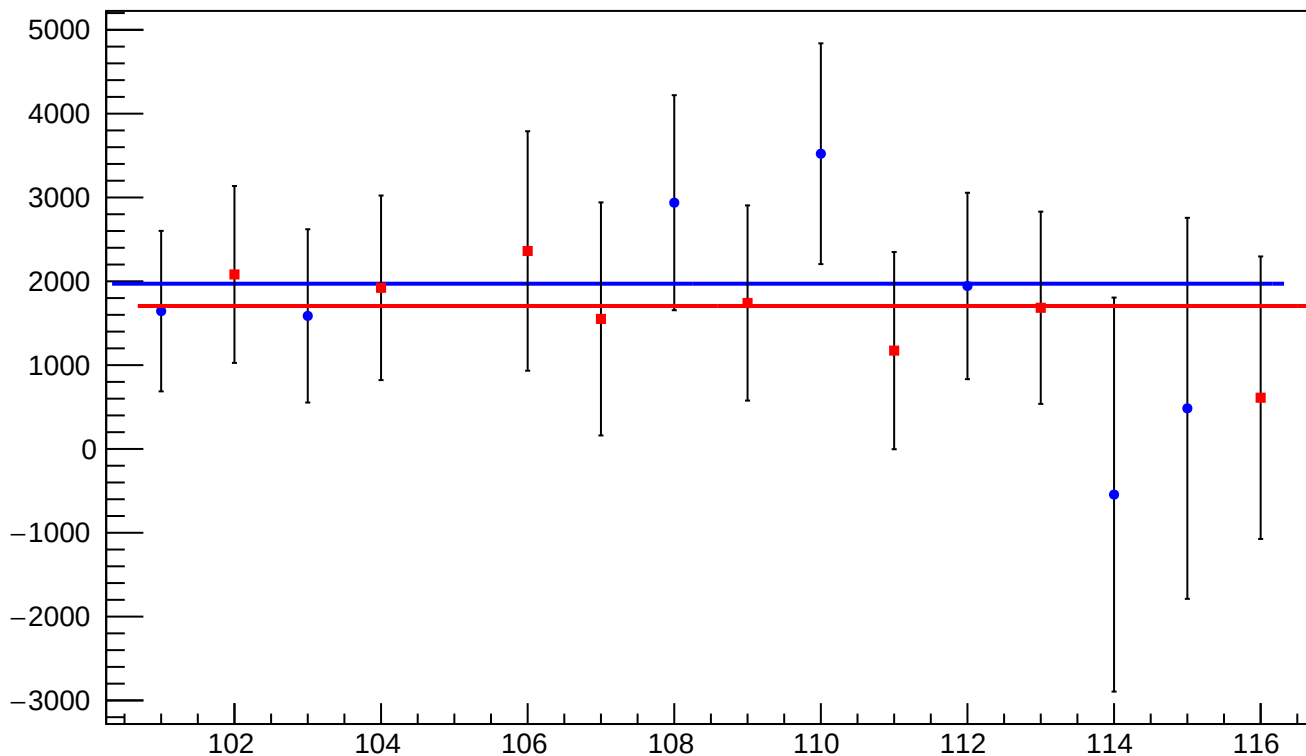


# dit\_asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 1971.390+/-477.003  $\chi^2/\text{NDF}$ : 3.8/6

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

Right Out: 1705.360+/-434.254  $\chi^2/\text{NDF}$ : 1.0/7

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

Left: 0.000+/-0.000

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

Right: 1825.922+/-321.116

$\chi^2/\text{NDF}$ : 5.0/14

In: 1971.390+/-477.003

$\chi^2/\text{NDF}$ : 3.8/6

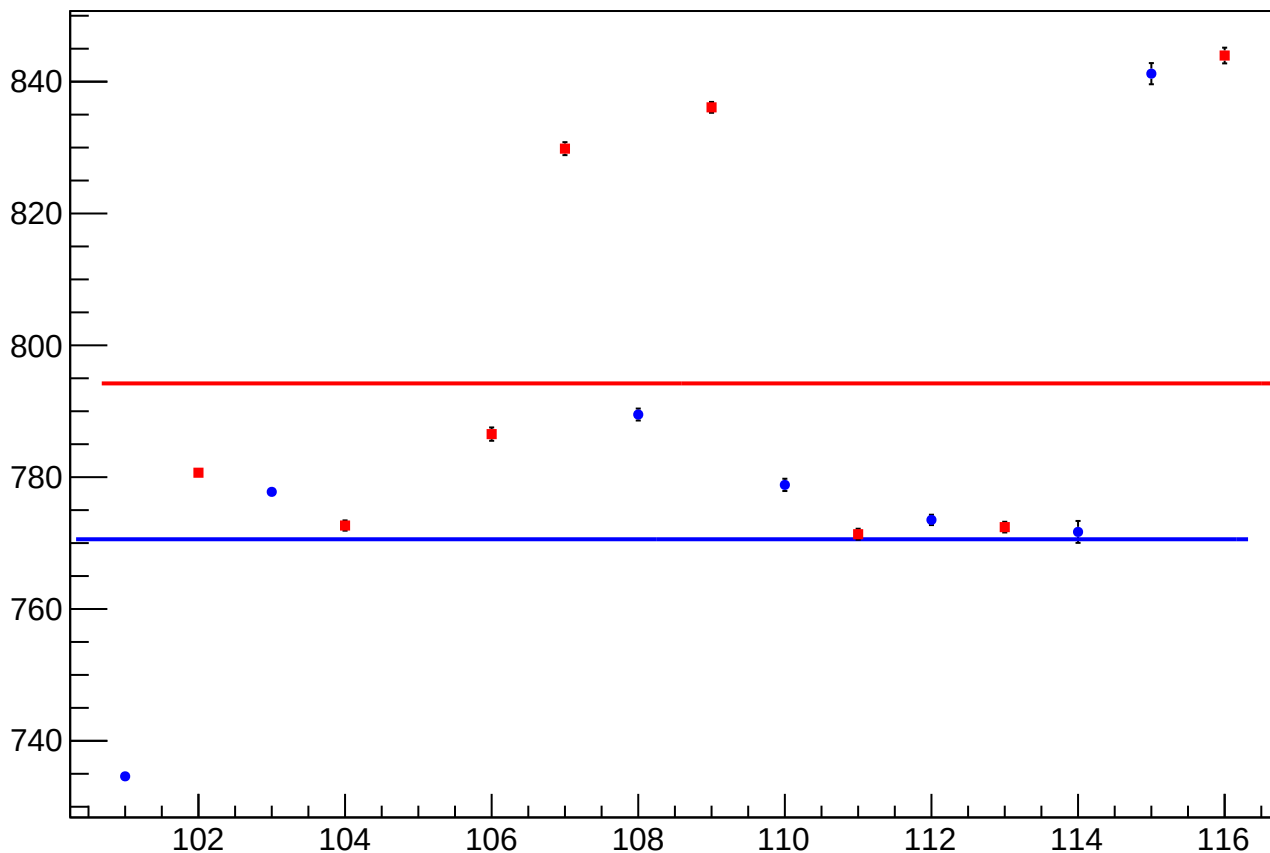
Out: 0.000+/-0.000

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

All: 1825.922+/-321.116

$\chi^2/\text{NDF}$ : 5.0/14

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



Right In: 770.579+/-0.337  $\chi^2/\text{NDF}$ : 5379.4/6

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

Right Out: 794.222+/-0.307  $\chi^2/\text{NDF}$ : 8275.3/7

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

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

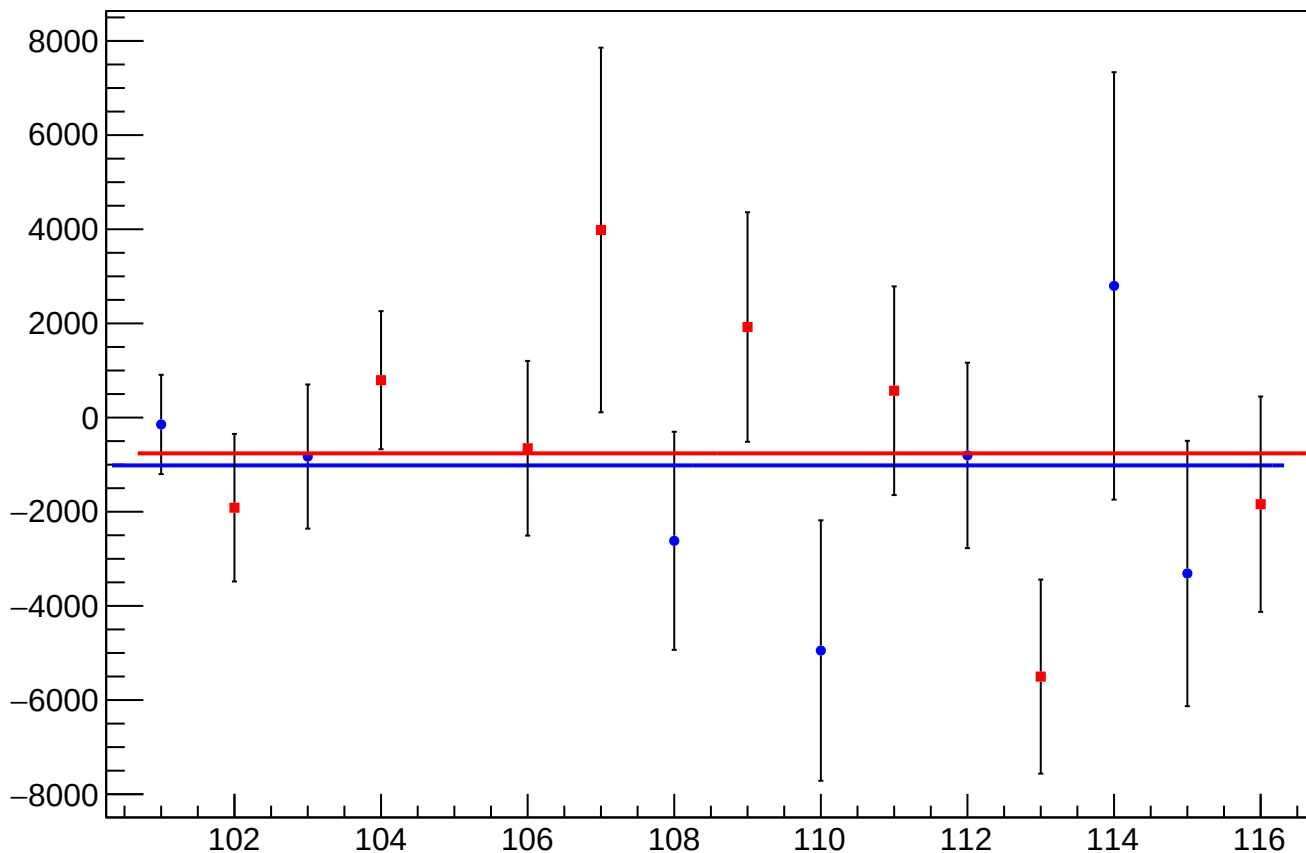
Right: 783.507+/-0.227  $\chi^2/\text{NDF}$ : 16341.5/14

In: 770.579+/-0.337  $\chi^2/\text{NDF}$ : 5379.4/6

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

All: 783.507+/-0.227  $\chi^2/\text{NDF}$ : 16341.5/14

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



Right In: -1015.705+/-694.202  $\chi^2/\text{NDF}$ : 4.6/6

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

Right Out: -760.036+/-702.250  $\chi^2/\text{NDF}$ : 10.3/7

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

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

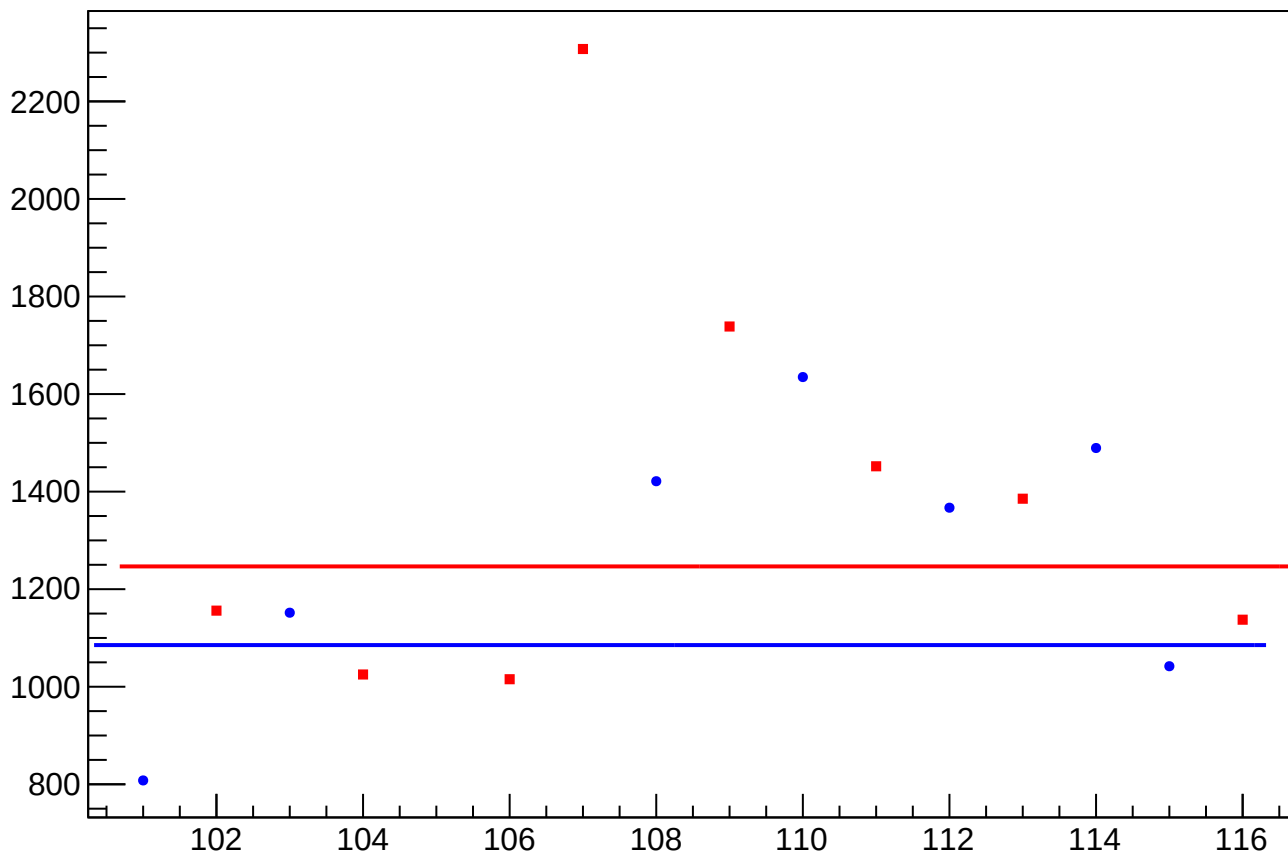
Right: -889.344+/-493.696  $\chi^2/\text{NDF}$ : 14.9/14

In: -1015.705+/-694.202  $\chi^2/\text{NDF}$ :4.6/6

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

All: -889.344+/-493.696  $\chi^2/\text{NDF}$ : 14.9/14

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



Right In: 1085.389+/-0.491  $\chi^2/\text{NDF}$ : 320413.7/6

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

Right Out: 1246.654+/-0.497  $\chi^2/\text{NDF}$ : 345666.8/7

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

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

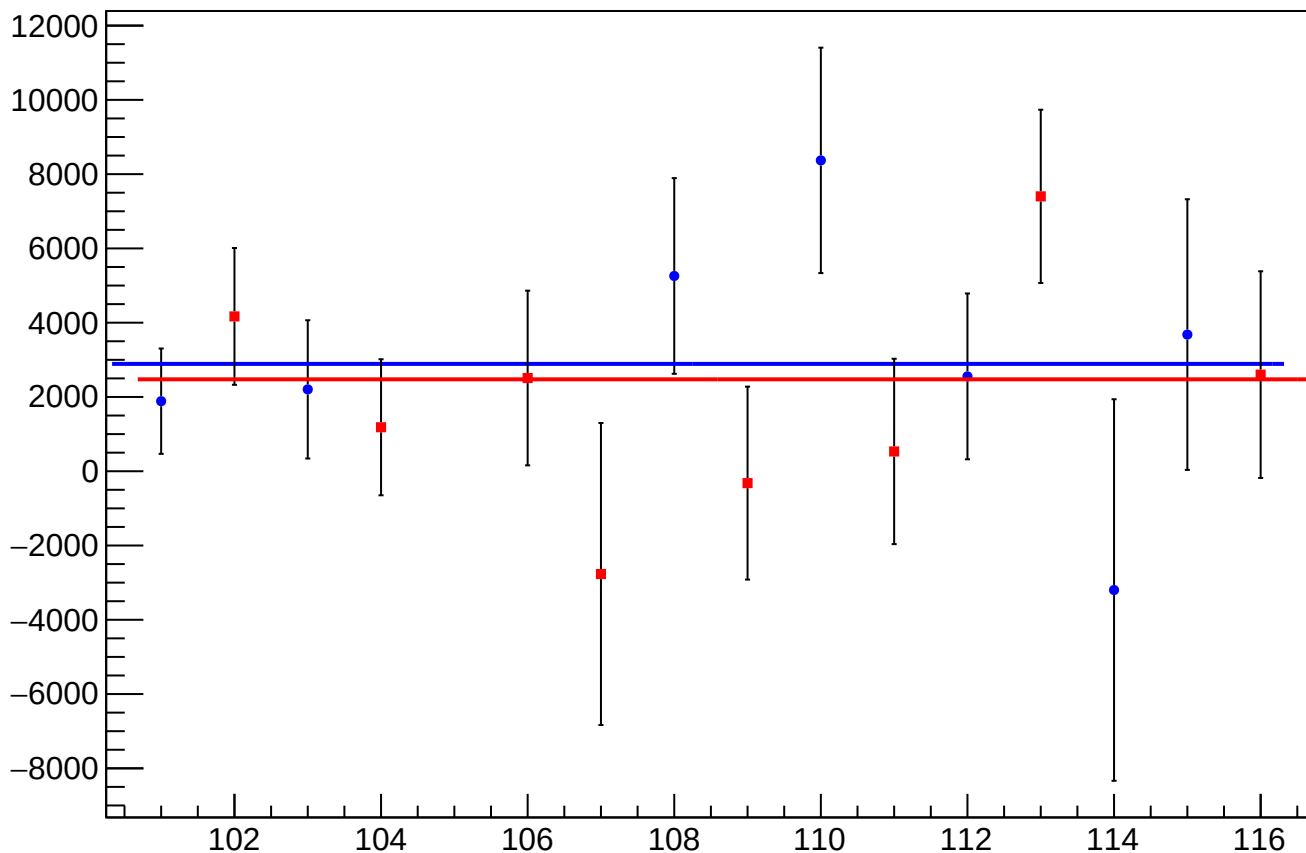
Right: 1165.092+/-0.349  $\chi^2/\text{NDF}$ : 719423.3/14

In: 1085.389+/-0.491  $\chi^2/\text{NDF}$ : 320413.7/6

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

All: 1165.092+/-0.349  $\chi^2/\text{NDF}$ : 719423.3/14

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



Right In: 2890.583+/-860.007  $\chi^2/\text{NDF}$ : 6.2/6

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

Right Out: 2474.774+/-828.847  $\chi^2/\text{NDF}$ : 9.2/7

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

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

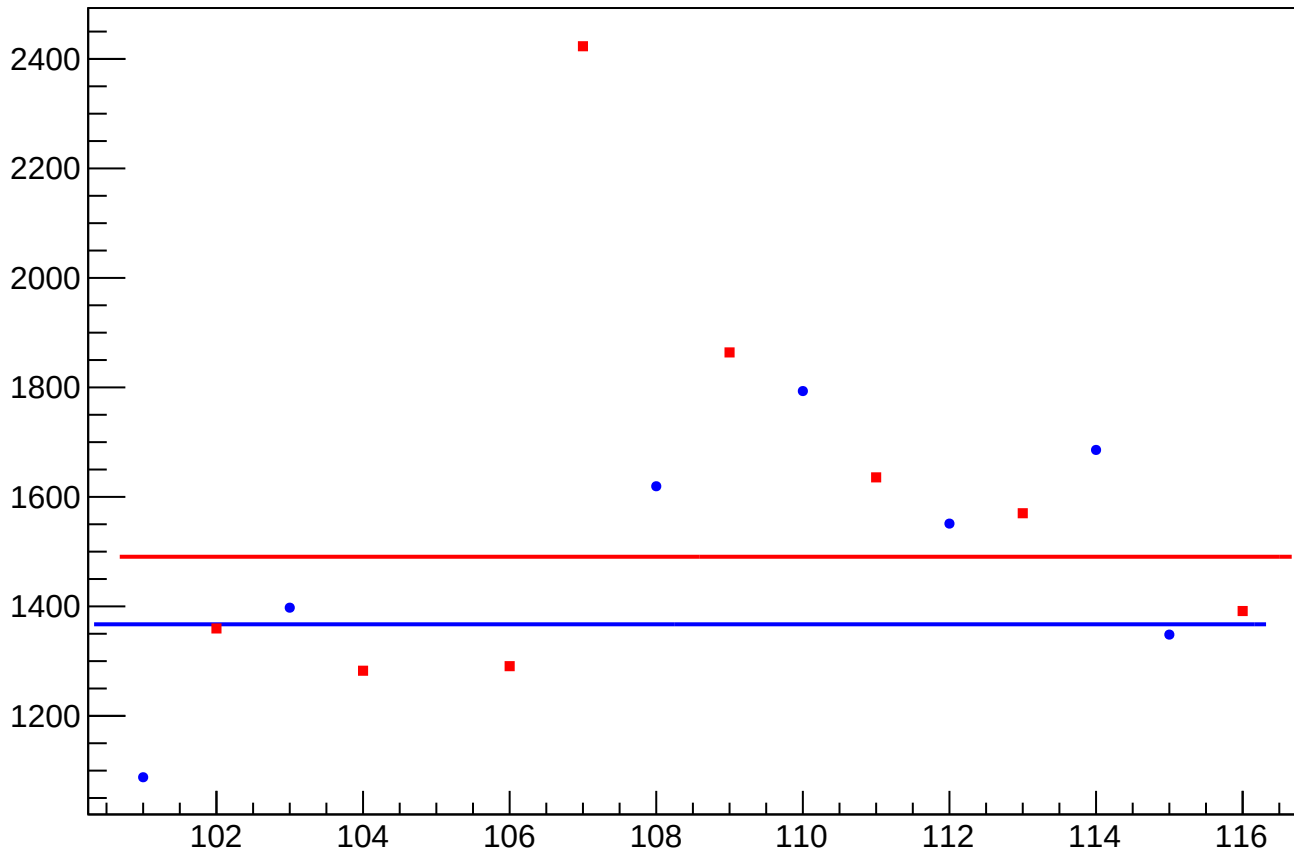
Right: 2675.009+/-596.795  $\chi^2/\text{NDF}$ : 15.5/14

In: 2890.583+/-860.007  $\chi^2/\text{NDF}$ : 6.2/6

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

All: 2675.009+/-596.795  $\chi^2/\text{NDF}$ : 15.5/14

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



Right In: 1367.284+/-0.608  $\chi^2/\text{NDF}$ : 157195.5/6

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

Right Out: 1490.671+/-0.586  $\chi^2/\text{NDF}$ : 208469.7/7

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

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

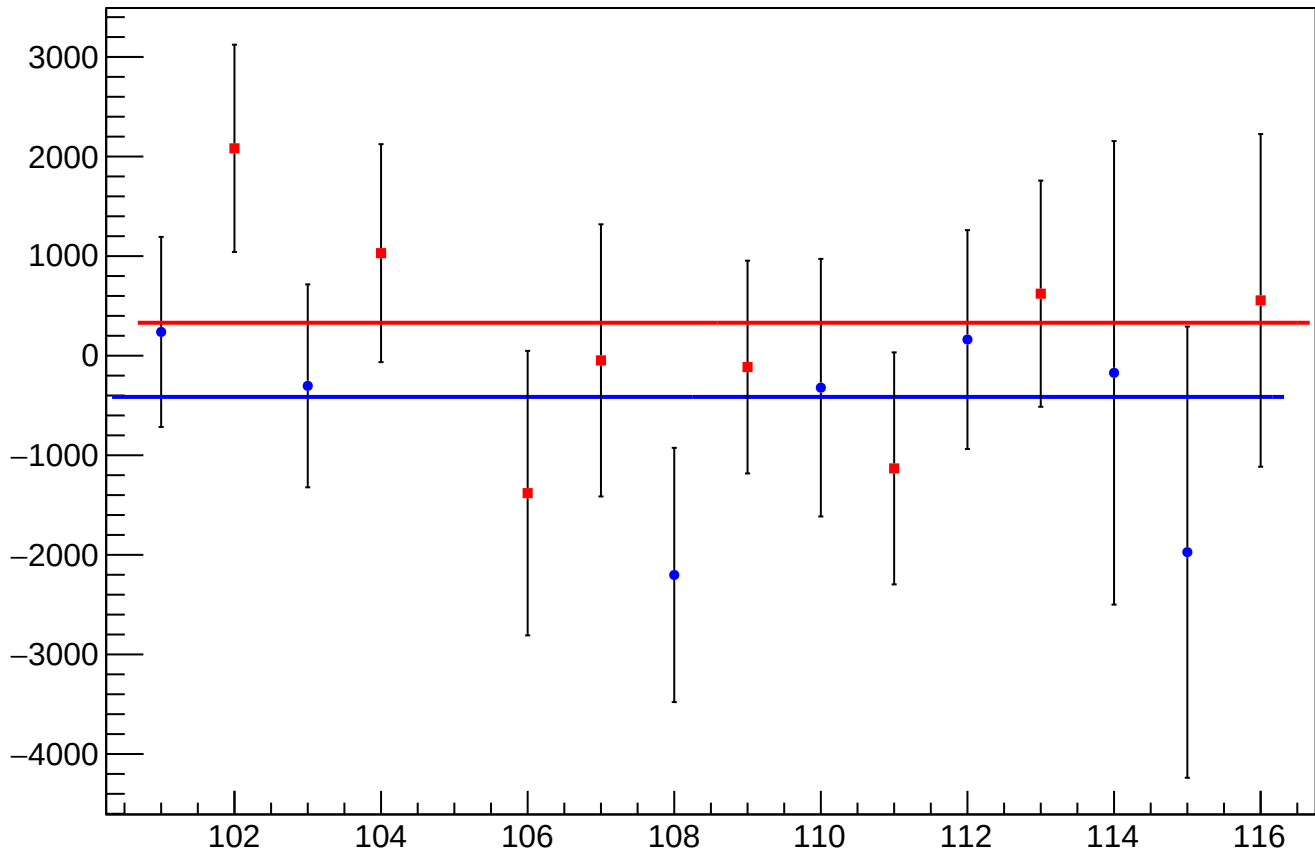
Right: 1431.253+/-0.422  $\chi^2/\text{NDF}$ : 387008.9/14

In: 1367.284+/-0.608  $\chi^2/\text{NDF}$ : 157195.5/6

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

All: 1431.253+/-0.422  $\chi^2/\text{NDF}$ : 387008.9/14

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



Right In: -413.959+/-472.485  $\chi^2/\text{NDF}$ : 3.2/6

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

Right Out: 330.781+/-425.220  $\chi^2/\text{NDF}$ : 6.6/7

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

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

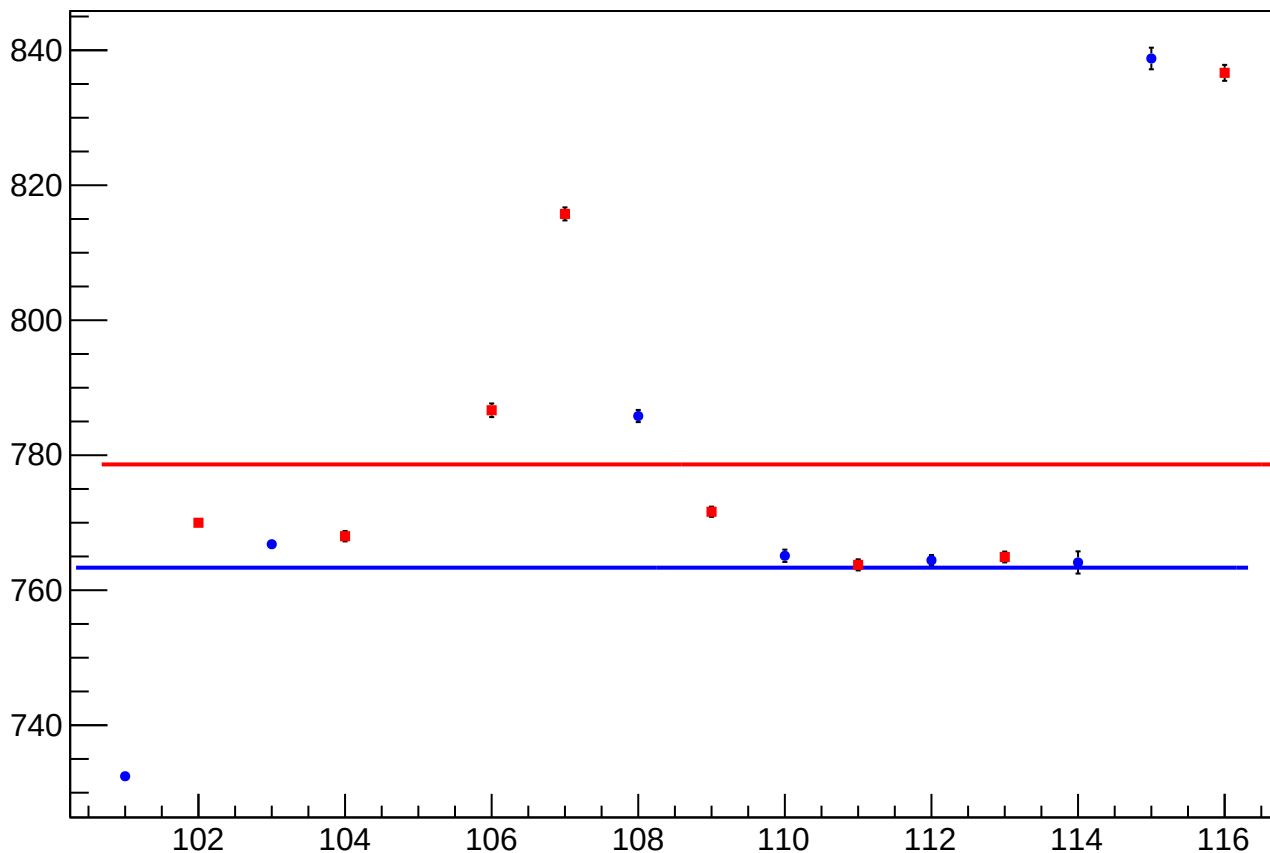
Right: -2.486+/-316.069  $\chi^2/\text{NDF}$ : 11.2/14

In: -413.959+/-472.485  $\chi^2/\text{NDF}$ : 3.2/6

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

All: -2.486+/-316.069  $\chi^2/\text{NDF}$ : 11.2/14

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



Right In: 763.341 $\pm$ 0.334  $\chi^2/\text{NDF}$ : 4961.3/6

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

Right Out: 778.638 $\pm$ 0.301  $\chi^2/\text{NDF}$ : 4981.8/7

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: 771.793 $\pm$ 0.223  $\chi^2/\text{NDF}$ : 11101.4/14

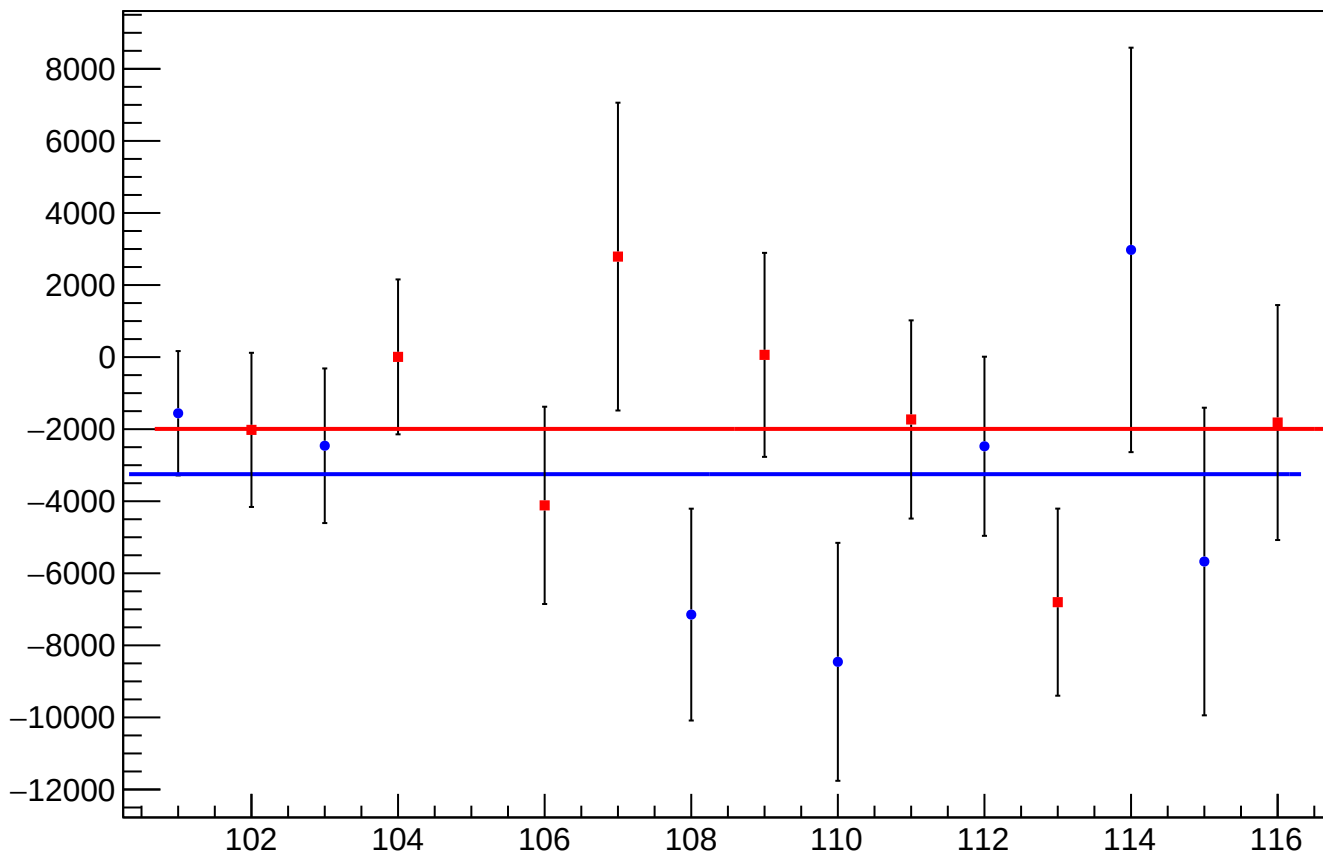
In: 763.341 $\pm$ 0.334  $\chi^2/\text{NDF}$ : 4961.3/6

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

All: 771.793 $\pm$ 0.223  $\chi^2/\text{NDF}$ : 11101.4/14



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



Right In: -3248.925+/-995.624  $\chi^2/\text{NDF}$ : 7.0/6

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

Right Out: -1992.739+/-943.863  $\chi^2/\text{NDF}$ : 6.7/7

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

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

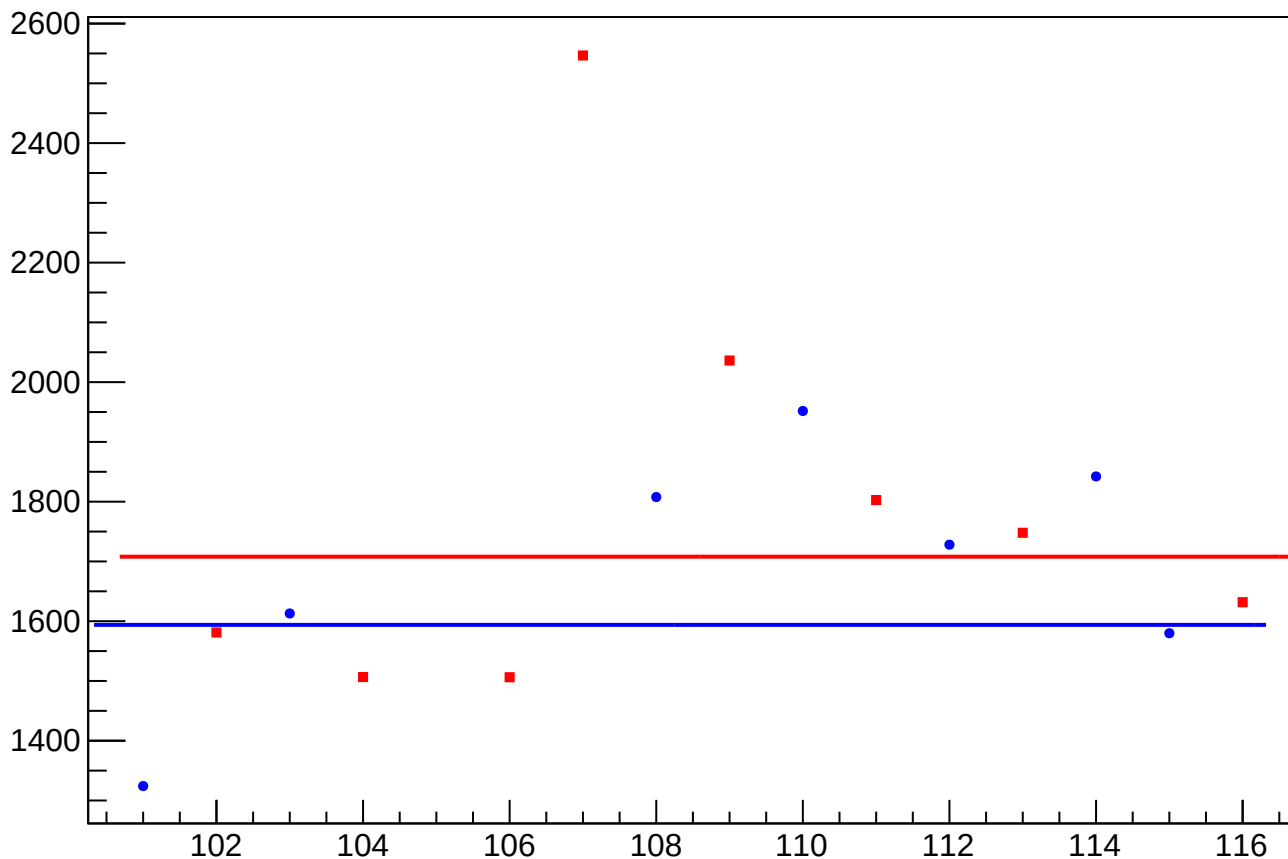
Right: -2587.331+/-684.980  $\chi^2/\text{NDF}$ : 14.5/14

In: -3248.925+/-995.624  $\chi^2/\text{NDF}$ : 7.0/6

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

All: -2587.331+/-684.980  $\chi^2/\text{NDF}$ : 14.5/14

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



Right In: 1593.854+/-0.704  $\chi^2/\text{NDF}$ : 92856.7/6

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

Right Out: 1707.971+/-0.667  $\chi^2/\text{NDF}$ : 143371.3/7

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

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

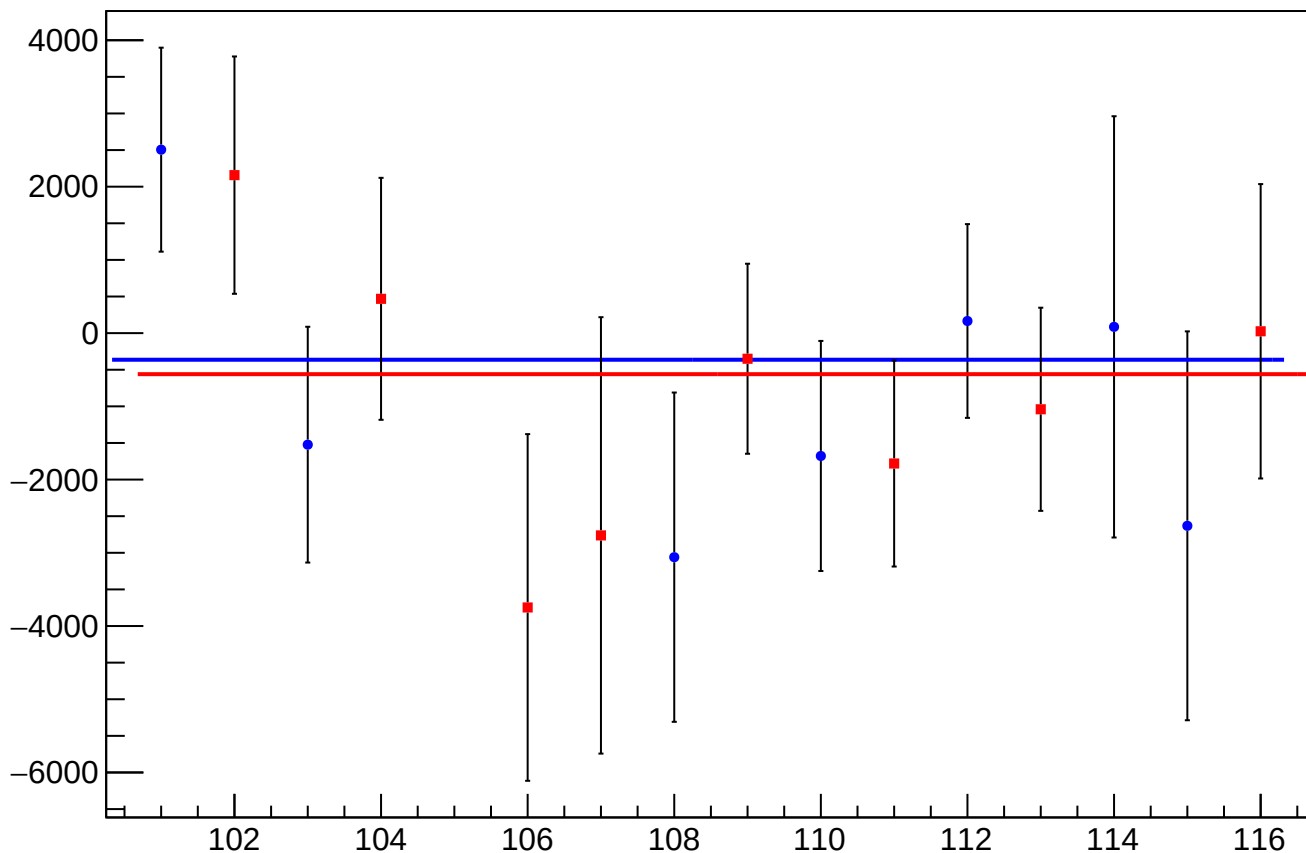
Right: 1653.956+/-0.484  $\chi^2/\text{NDF}$ : 250066.0/14

In: 1593.854+/-0.704  $\chi^2/\text{NDF}$ : 92856.7/6

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

All: 1653.956+/-0.484  $\chi^2/\text{NDF}$ : 250066.0/14

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



Right In: -363.355+/-654.004  $\chi^2/\text{NDF}$ : 7.8/6

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

Right Out: -560.467+/-586.784  $\chi^2/\text{NDF}$ : 6.5/7

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

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

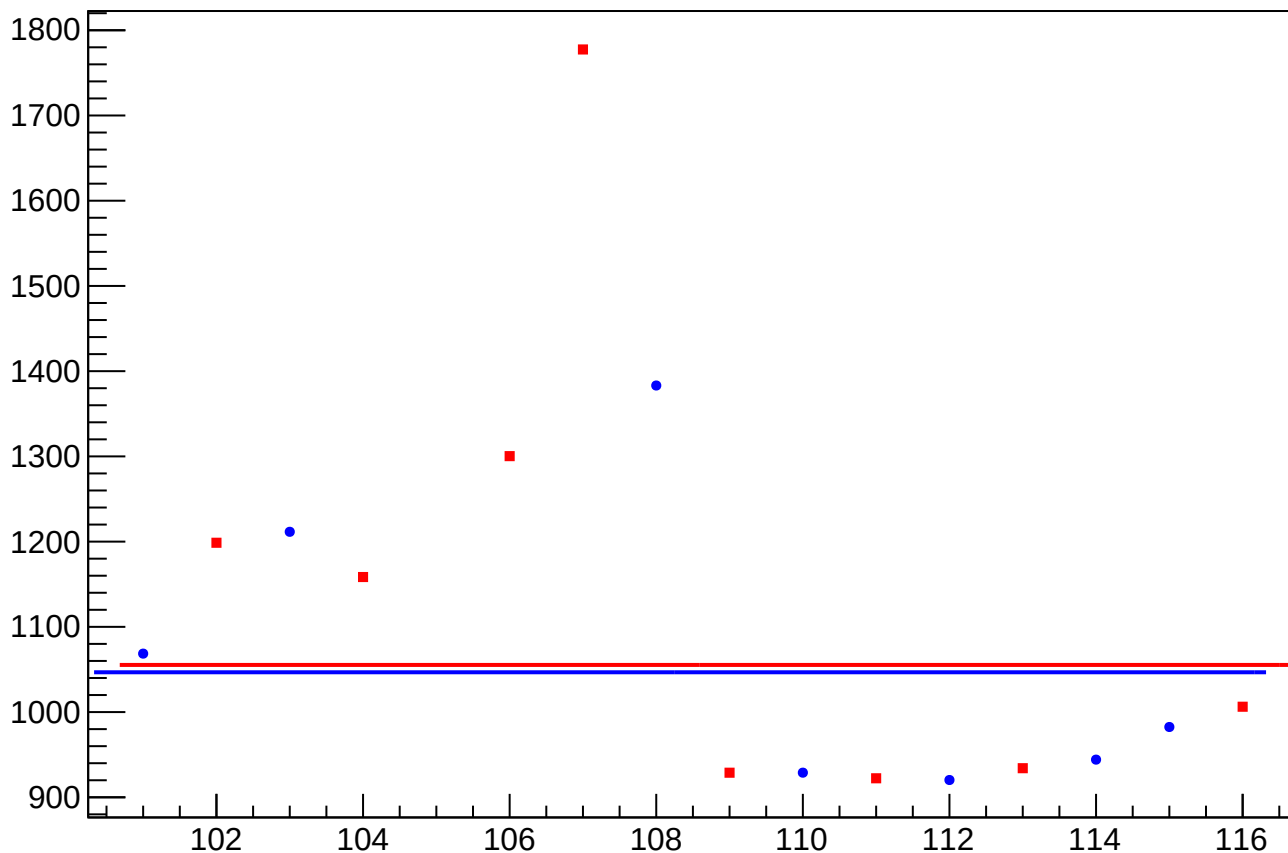
Right: -472.559+/-436.757  $\chi^2/\text{NDF}$ : 14.4/14

In: -363.355+/-654.004  $\chi^2/\text{NDF}$ : 7.8/6

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

All: -472.559+/-436.757  $\chi^2/\text{NDF}$ : 14.4/14

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



Right In: 1046.697+/-0.462  $\chi^2/\text{NDF}$ : 99443.1/6

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

Right Out: 1055.318+/-0.415  $\chi^2/\text{NDF}$ : 215631.6/7

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

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

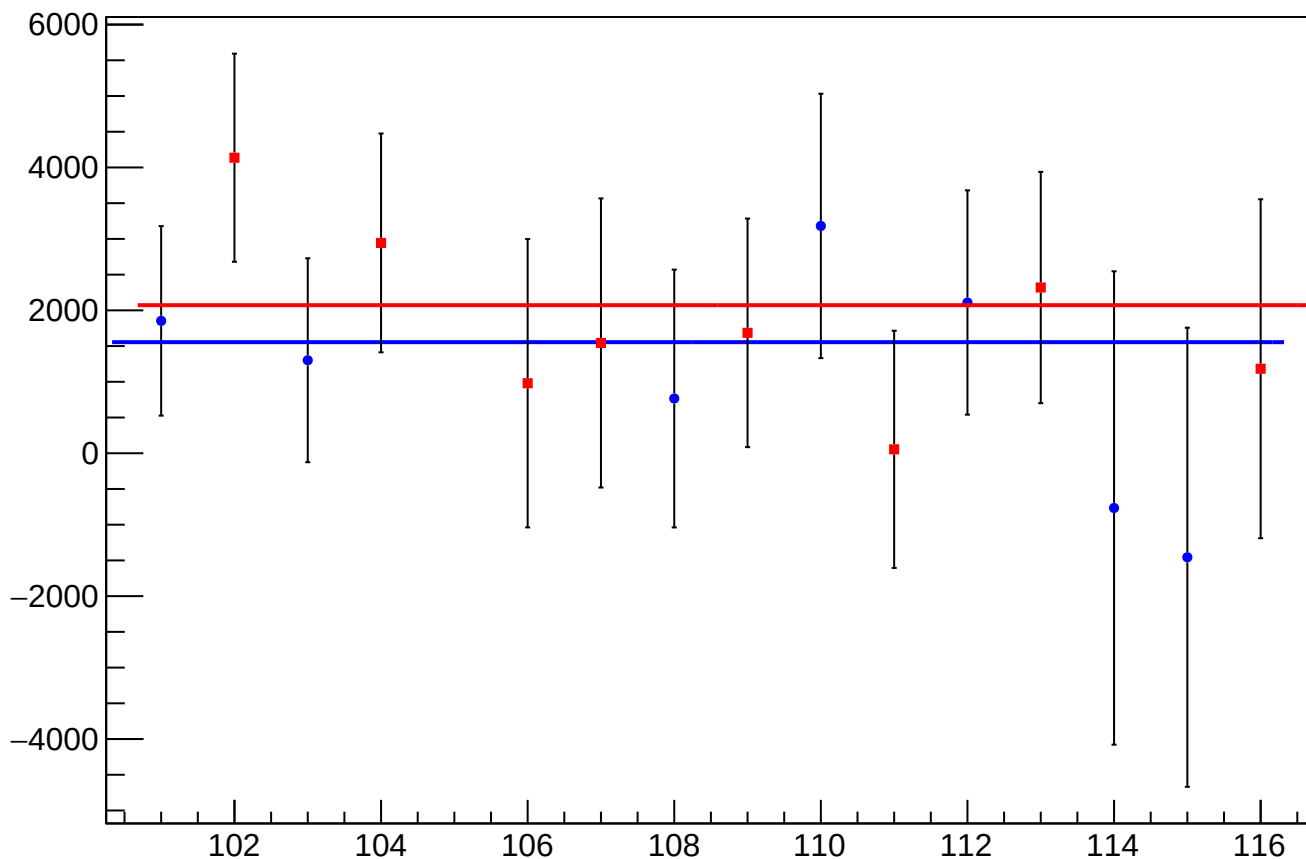
Right: 1051.473+/-0.309  $\chi^2/\text{NDF}$ : 315267.3/14

In: 1046.697+/-0.462  $\chi^2/\text{NDF}$ : 99443.1/6

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

All: 1051.473+/-0.309  $\chi^2/\text{NDF}$ : 315267.3/14

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



Right In: 1554.840+/-666.313  $\chi^2/\text{NDF}$ : 2.5/6

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

Right Out: 2072.388+/-608.490  $\chi^2/\text{NDF}$ : 4.4/7

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

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

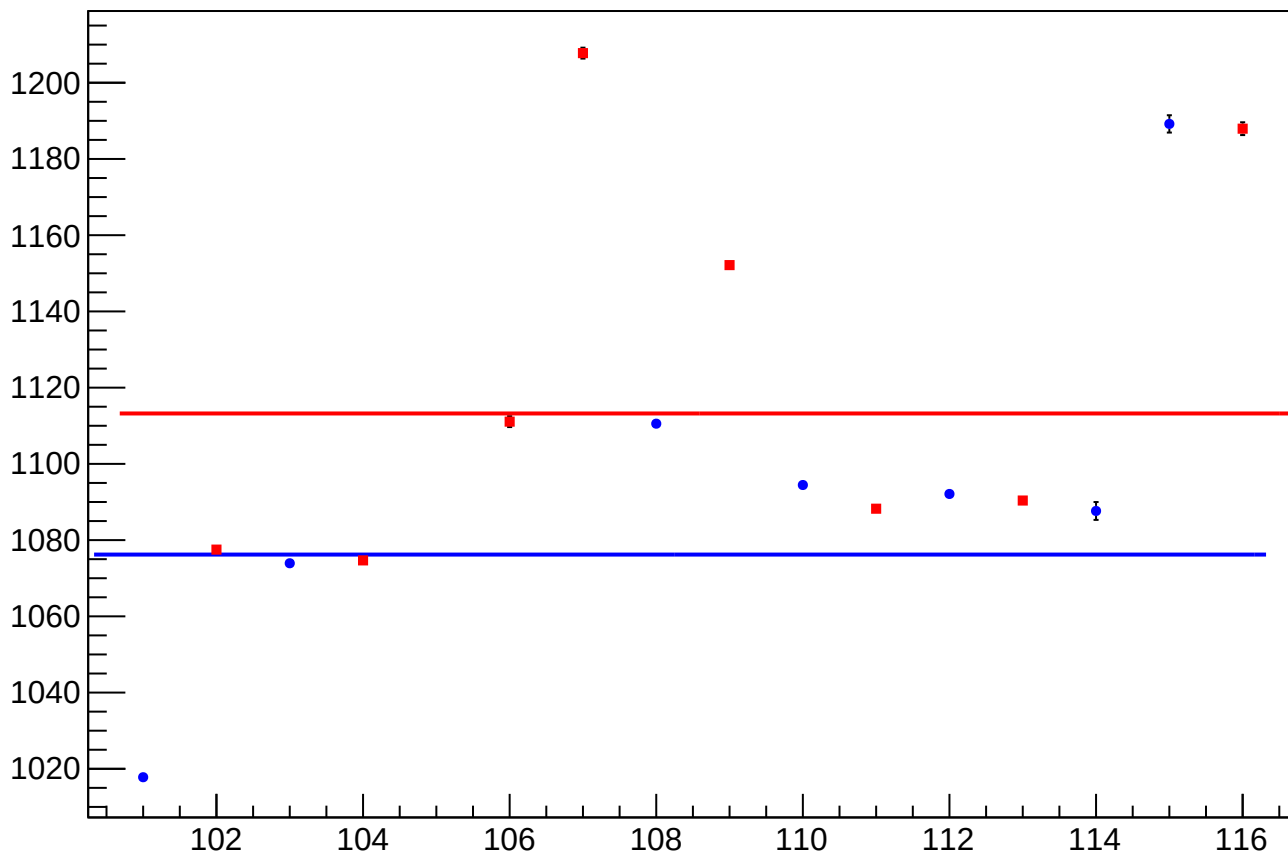
Right: 1837.041+/-449.322  $\chi^2/\text{NDF}$ : 7.3/14

In: 1554.840+/-666.313  $\chi^2/\text{NDF}$ : 2.5/6

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

All: 1837.041+/-449.322  $\chi^2/\text{NDF}$ : 7.3/14

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



Right In: 1076.207+/-0.471  $\chi^2/\text{NDF}$ : 7506.2/6

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

Right Out: 1113.227+/-0.430  $\chi^2/\text{NDF}$ : 10859.1/7

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

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

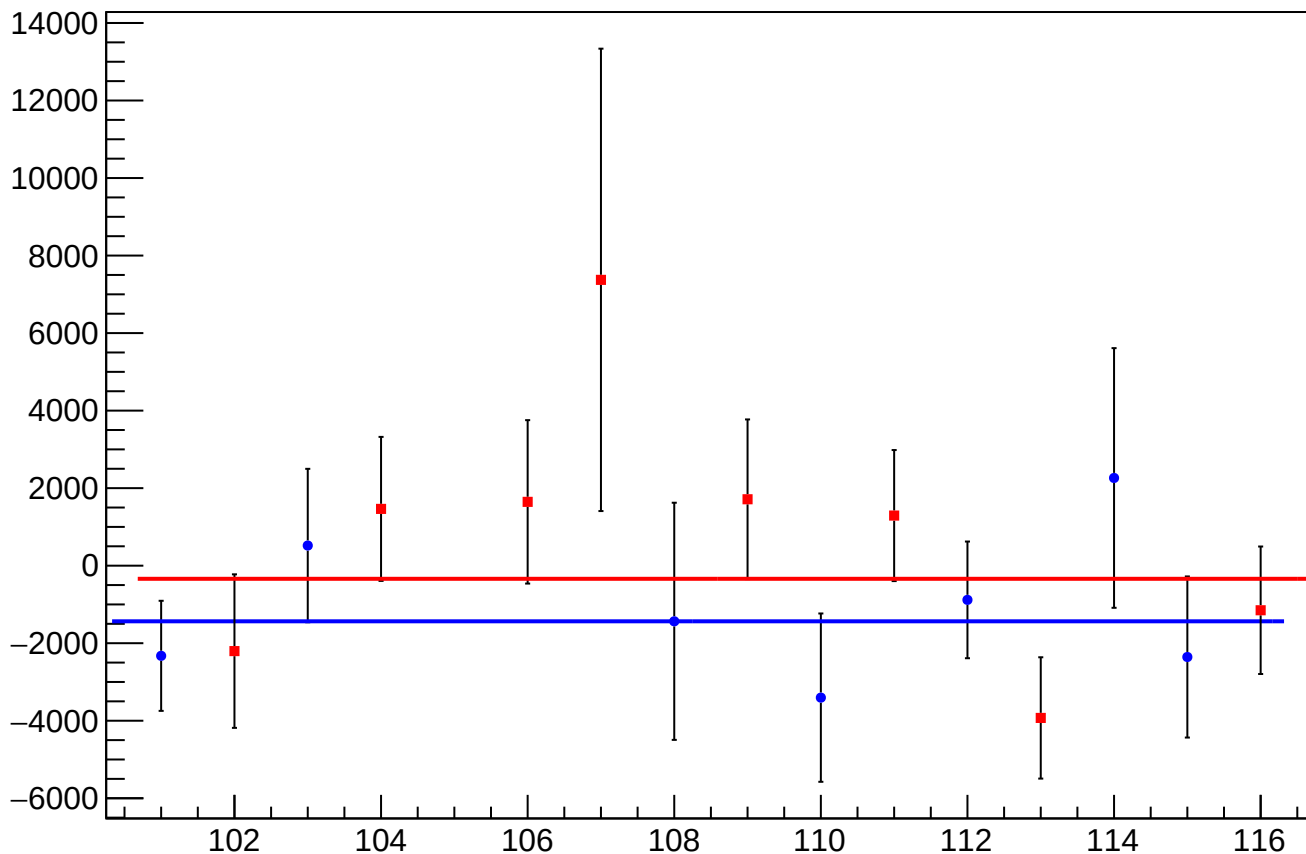
Right: 1096.393+/-0.318  $\chi^2/\text{NDF}$ : 21731.6/14

In: 1076.207+/-0.471  $\chi^2/\text{NDF}$ : 7506.2/6

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

All: 1096.393+/-0.318  $\chi^2/\text{NDF}$ : 21731.6/14

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



Right In: -1435.134+/-738.722  $\chi^2/\text{NDF}$ : 3.7/6

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

Right Out: -338.620+/-680.116  $\chi^2/\text{NDF}$ : 11.8/7

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

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

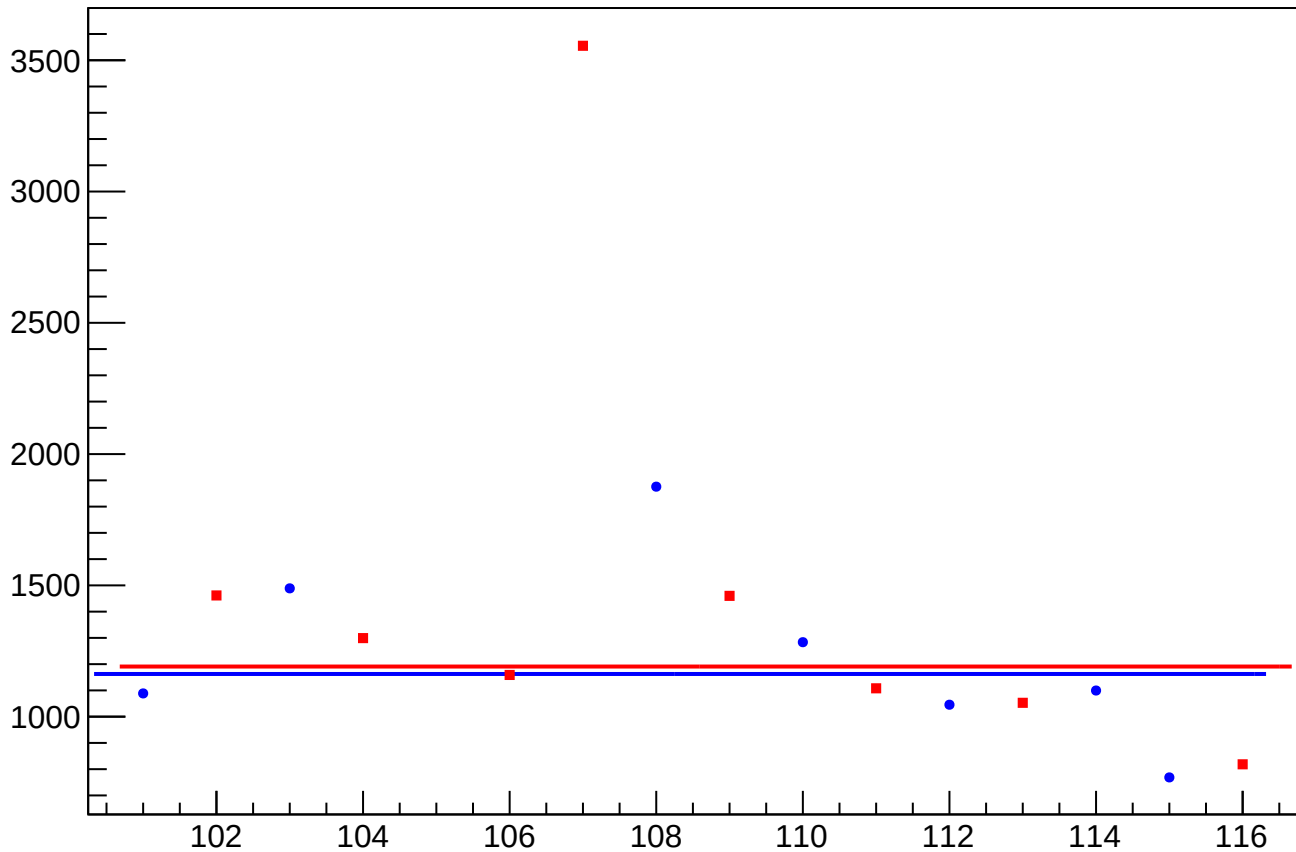
Right: -841.662+/-500.352  $\chi^2/\text{NDF}$ : 16.8/14

In: -1435.134+/-738.722  $\chi^2/\text{NDF}$ : 3.7/6

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

All: -841.662+/-500.352  $\chi^2/\text{NDF}$ : 16.8/14

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



Right In: 1162.558+/-0.522  $\chi^2/\text{NDF}$ : 259446.1/6

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

Right Out: 1190.907+/-0.481  $\chi^2/\text{NDF}$ : 516024.8/7

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

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

Right: 1177.902+/-0.354  $\chi^2/\text{NDF}$ : 777065.1/14

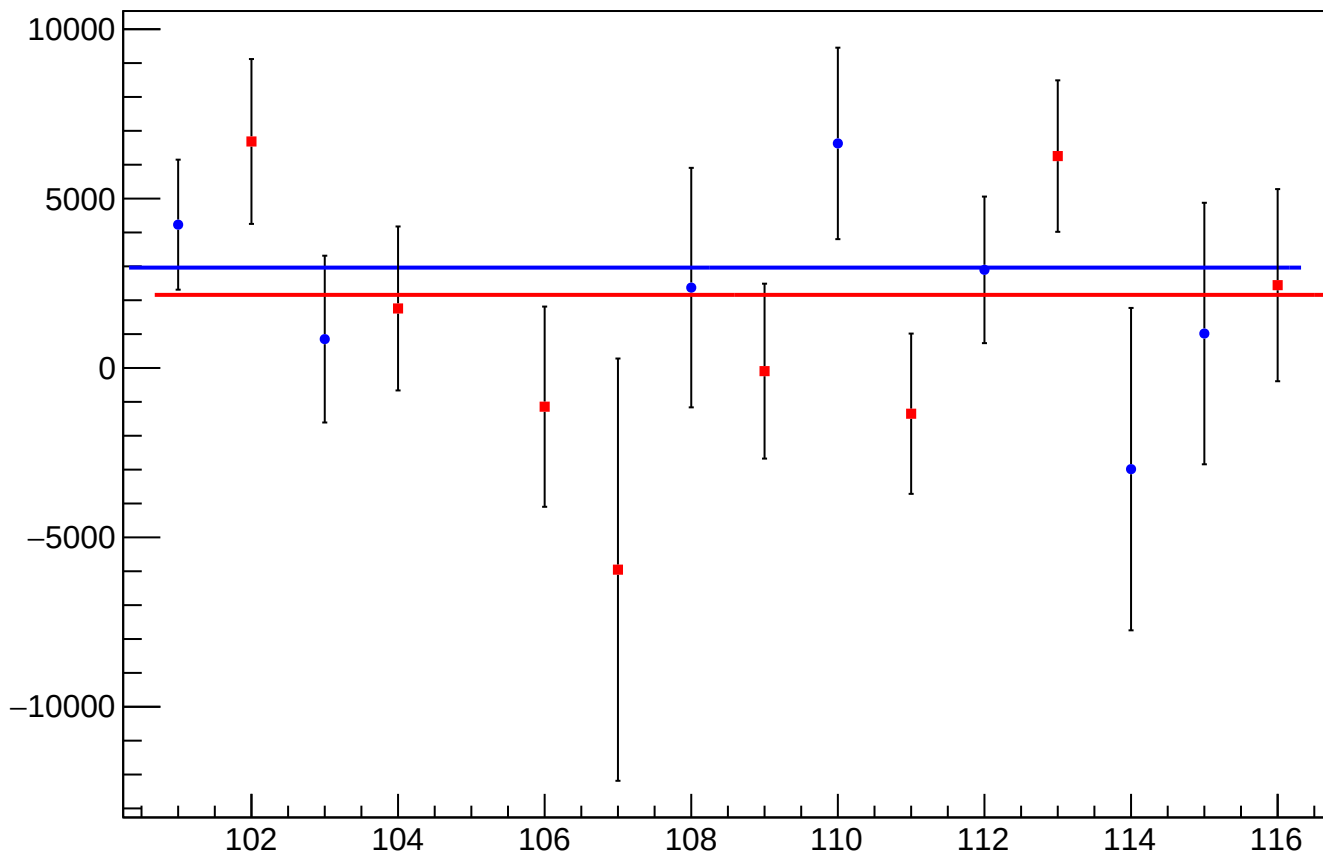
In: 1162.558+/-0.522  $\chi^2/\text{NDF}$ : 259446.1/6

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

All: 1177.902+/-0.354  $\chi^2/\text{NDF}$ : 777065.1/14



# asym\_usl\_mean vs Slug, Sign Corrected



Right In: 2963.103+/-1016.995  $\chi^2/\text{NDF}$ : 4.7/6

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

Right Out: 2158.061+/-939.427  $\chi^2/\text{NDF}$ : 12.8/7

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

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

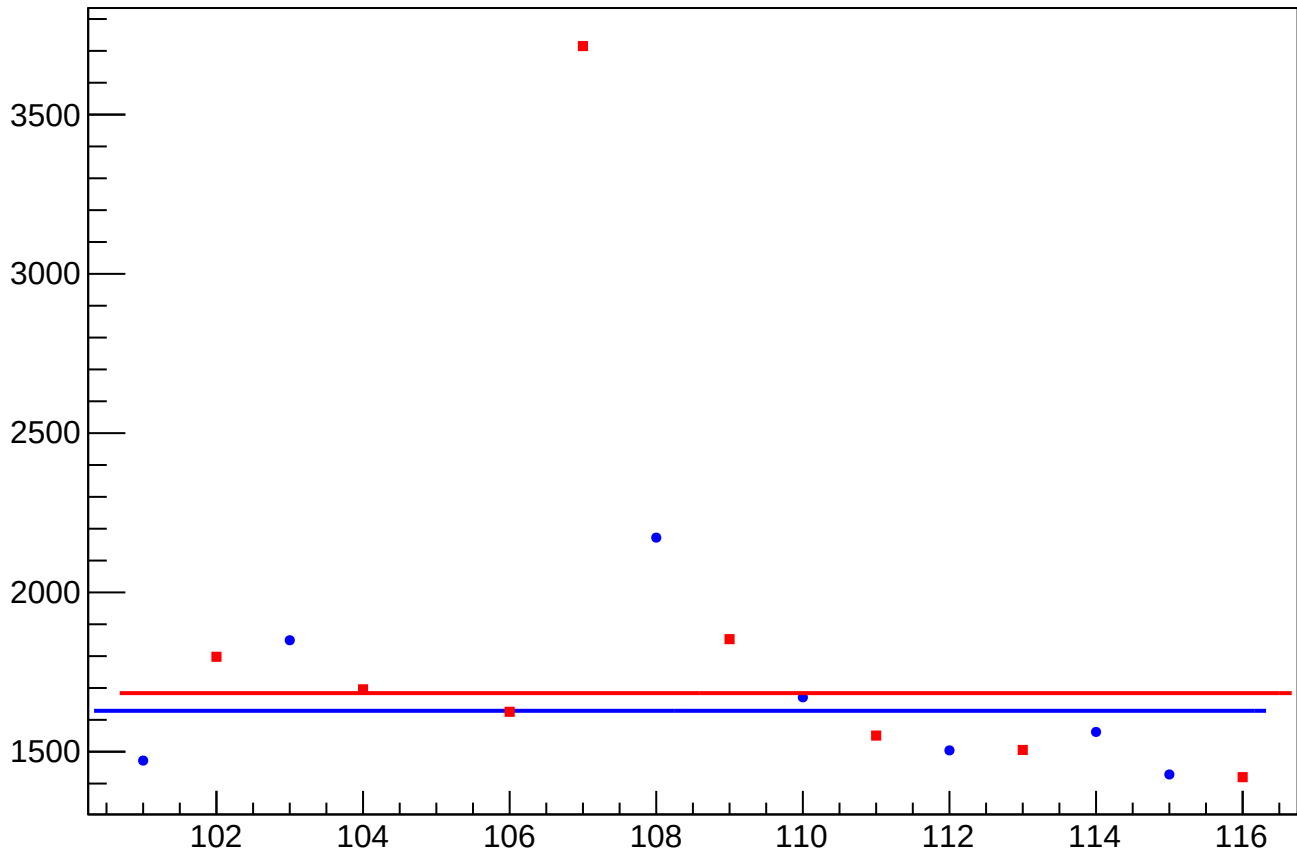
Right: 2528.713+/-690.070  $\chi^2/\text{NDF}$ : 17.8/14

In: 2963.103+/-1016.995  $\chi^2/\text{NDF}$ : 4.7/6

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

All: 2528.713+/-690.070  $\chi^2/\text{NDF}$ : 17.8/14

# asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1628.399+/-0.719  $\chi^2/\text{NDF}$ : 89550.0/6

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

Right Out: 1683.880+/-0.664  $\chi^2/\text{NDF}$ : 262680.4/7

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

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

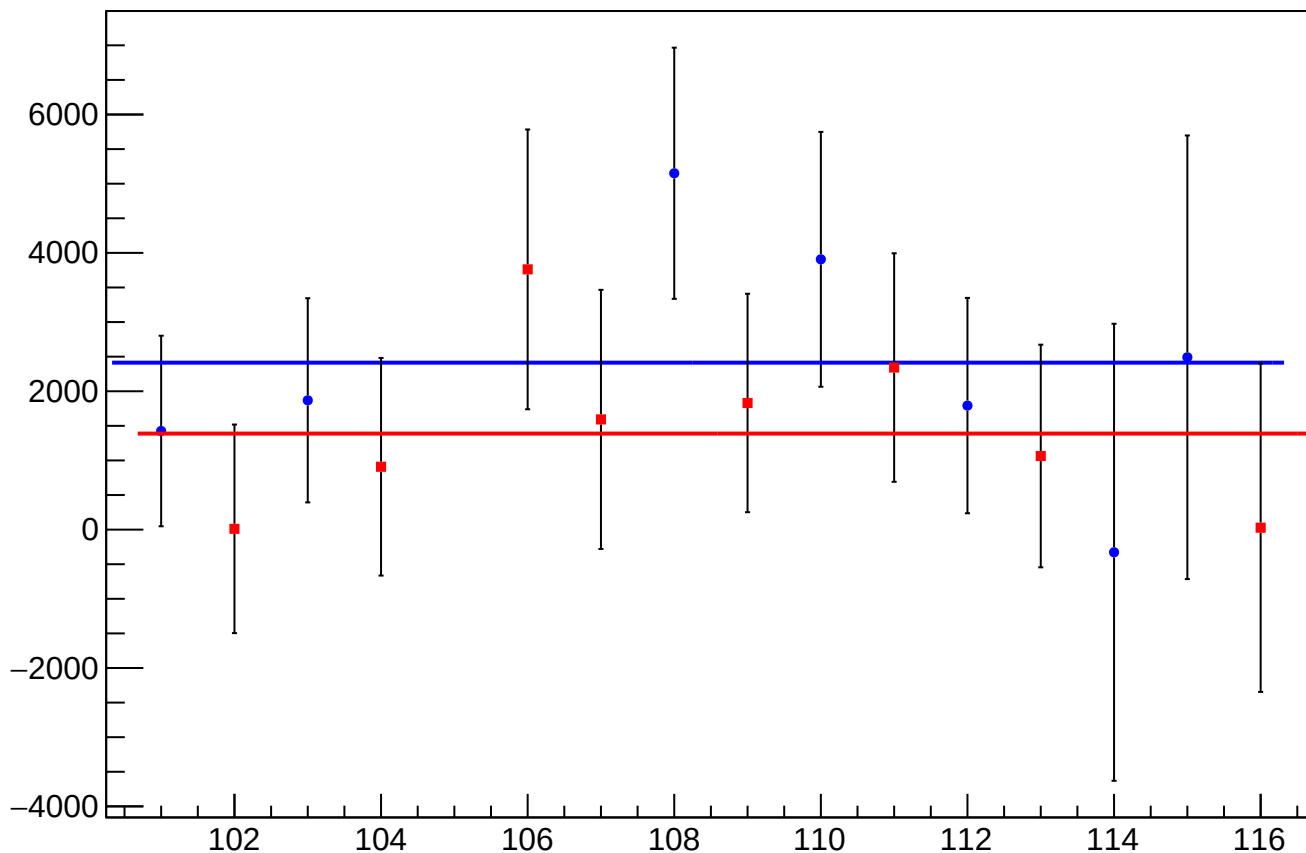
Right: 1658.336+/-0.488  $\chi^2/\text{NDF}$ : 355442.2/14

In: 1628.399+/-0.719  $\chi^2/\text{NDF}$ : 89550.0/6

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

All: 1658.336+/-0.488  $\chi^2/\text{NDF}$ : 355442.2/14

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



Right In: 2413.463+/-676.244  $\chi^2/\text{NDF}$ : 4.4/6

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

Right Out: 1388.170+/-607.961  $\chi^2/\text{NDF}$ : 3.1/7

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

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

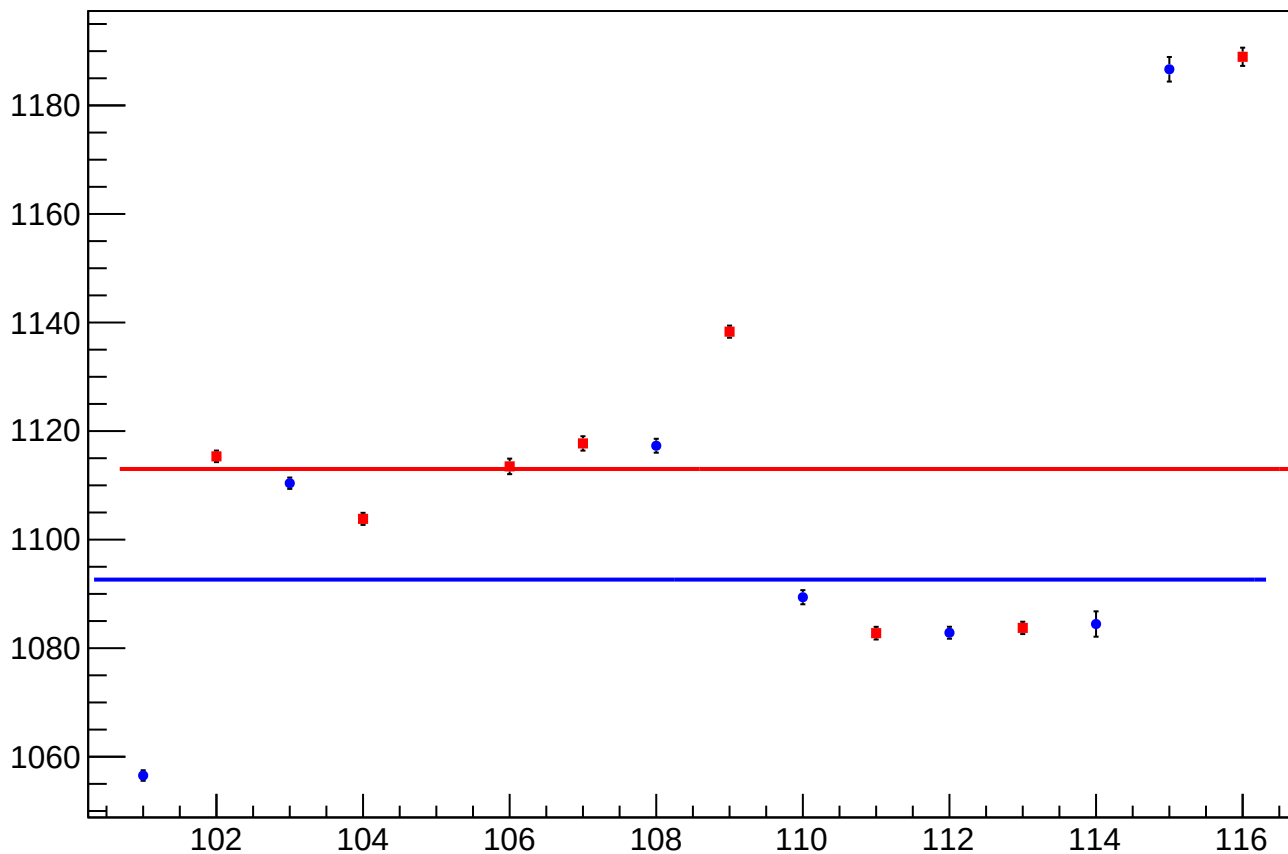
Right: 1846.454+/-452.112  $\chi^2/\text{NDF}$ : 8.8/14

In: 2413.463+/-676.244  $\chi^2/\text{NDF}$ : 4.4/6

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

All: 1846.454+/-452.112  $\chi^2/\text{NDF}$ : 8.8/14

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



Right In: 1092.636+/-0.478  $\chi^2/\text{NDF}$ : 3851.1/6

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

Right Out: 1113.016+/-0.430  $\chi^2/\text{NDF}$ : 3979.5/7

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

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

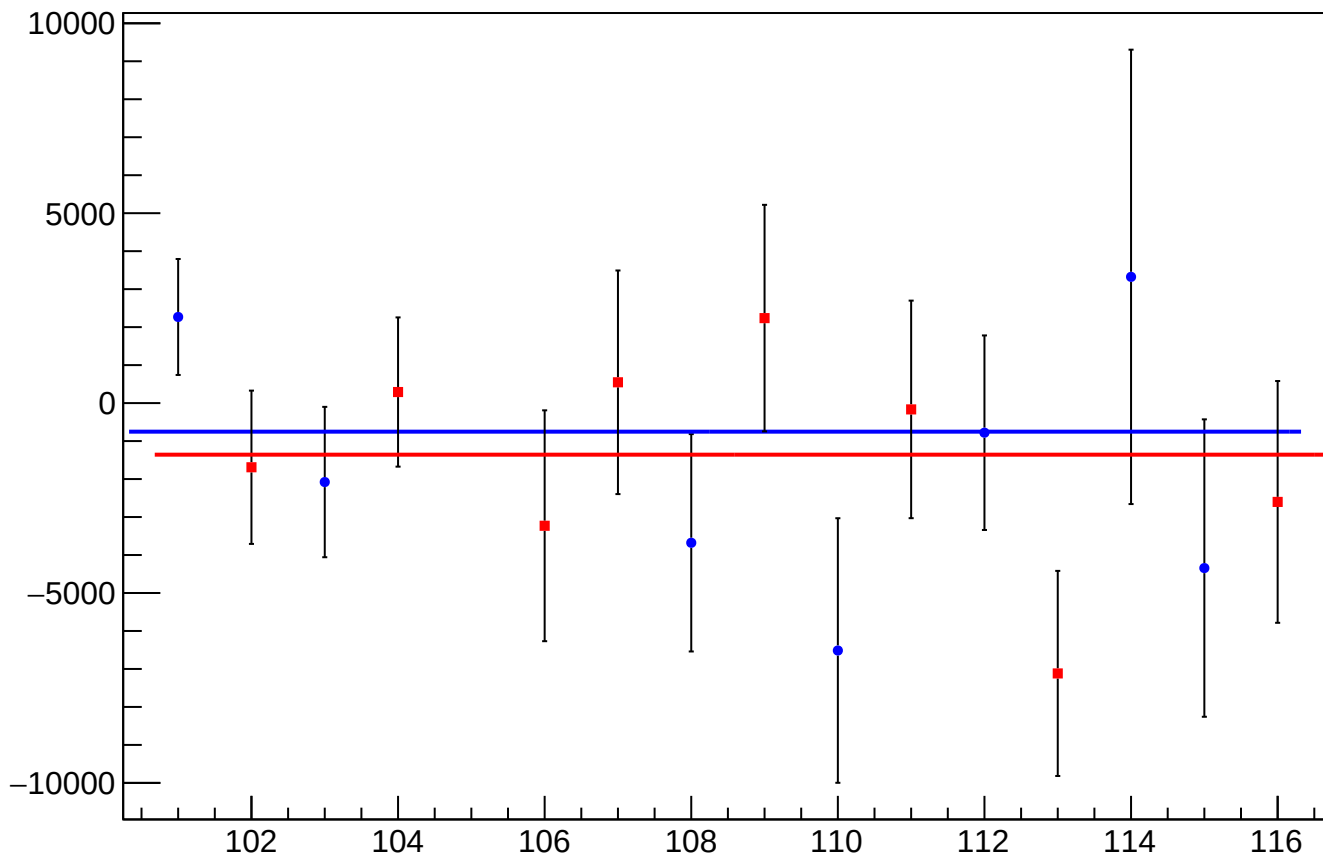
Right: 1103.906+/-0.320  $\chi^2/\text{NDF}$ : 8835.1/14

In: 1092.636+/-0.478  $\chi^2/\text{NDF}$ : 3851.1/6

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

All: 1103.906+/-0.320  $\chi^2/\text{NDF}$ : 8835.1/14

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



Right In: -752.202+/-938.892  $\chi^2/\text{NDF}$ : 9.4/6

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

Right Out: -1358.167+/-913.451  $\chi^2/\text{NDF}$ : 7.9/7

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

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

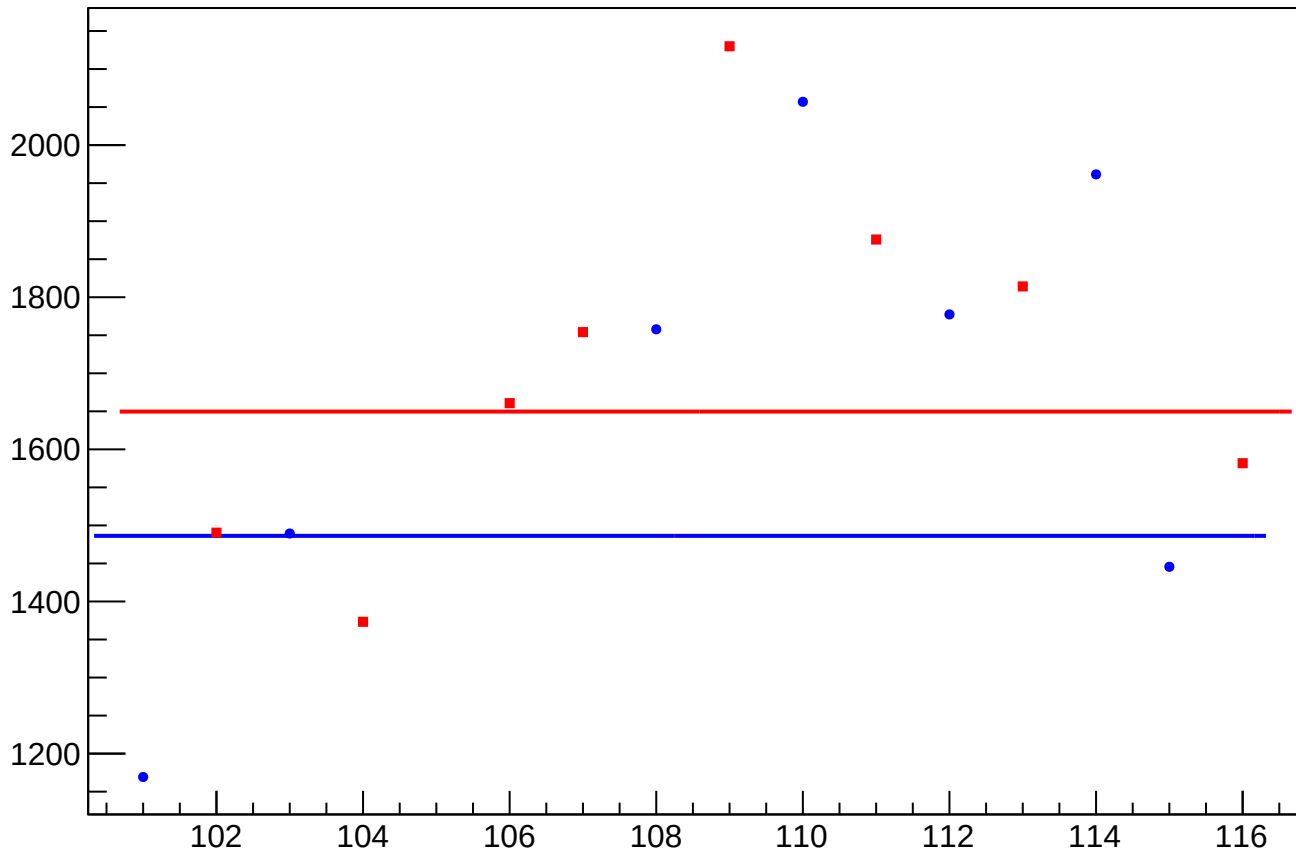
Right: -1063.505+/-654.717  $\chi^2/\text{NDF}$ : 17.5/14

In: -752.202+/-938.892  $\chi^2/\text{NDF}$ : 9.4/6

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

All: -1063.505+/-654.717  $\chi^2/\text{NDF}$ : 17.5/14

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



Right In: 1486.290+/-0.664  $\chi^2/\text{NDF}$ : 196610.9/6

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

Right Out: 1649.679+/-0.646  $\chi^2/\text{NDF}$ : 127241.7/7

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

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

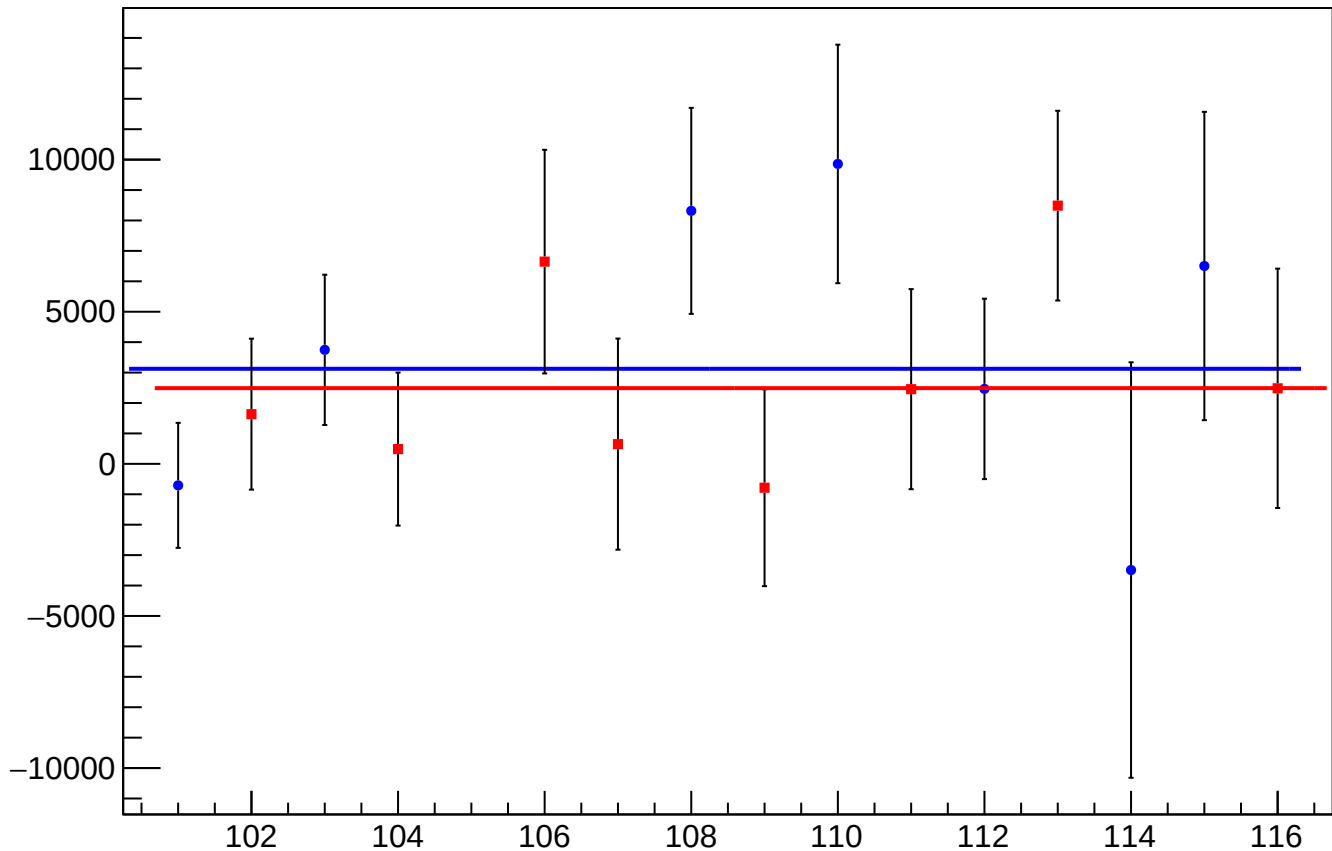
Right: 1570.228+/-0.463  $\chi^2/\text{NDF}$ : 354968.3/14

In: 1486.290+/-0.664  $\chi^2/\text{NDF}$ : 196610.9/6

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

All: 1570.228+/-0.463  $\chi^2/\text{NDF}$ : 354968.3/14

# asym\_usr\_mean vs Slug, Sign Corrected



Right In: 3124.764 $\pm$ 1172.635  $\chi^2$ /NDF: 10.3/6

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

Right Out: 2488.587 $\pm$ 1095.597  $\chi^2$ /NDF: 7.0/7

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

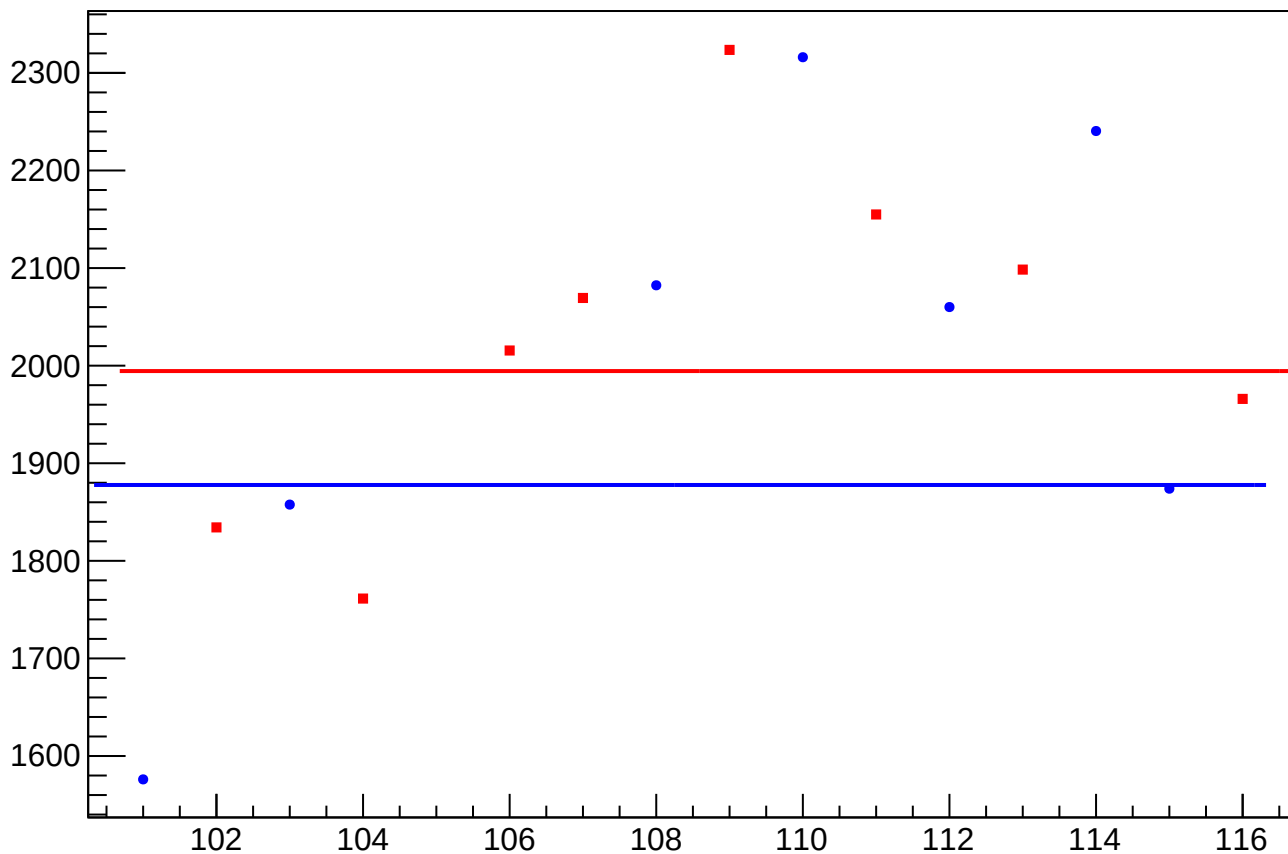
Right: 2785.093 $\pm$ 800.555  $\chi^2$ /NDF: 17.5/14

In: 3124.764 $\pm$ 1172.635  $\chi^2$ /NDF:10.3/6

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

All: 2785.093 $\pm$ 800.555  $\chi^2$ /NDF: 17.5/14

# asym\_usr\_rms vs Slug, Sign Corrected



Right In: 1877.731+/-0.829  $\chi^2/\text{NDF}$ : 88761.8/6

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

Right Out: 1994.466+/-0.775  $\chi^2/\text{NDF}$ : 54306.9/7

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

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

Right: 1940.059+/-0.566  $\chi^2/\text{NDF}$ : 153651.1/14

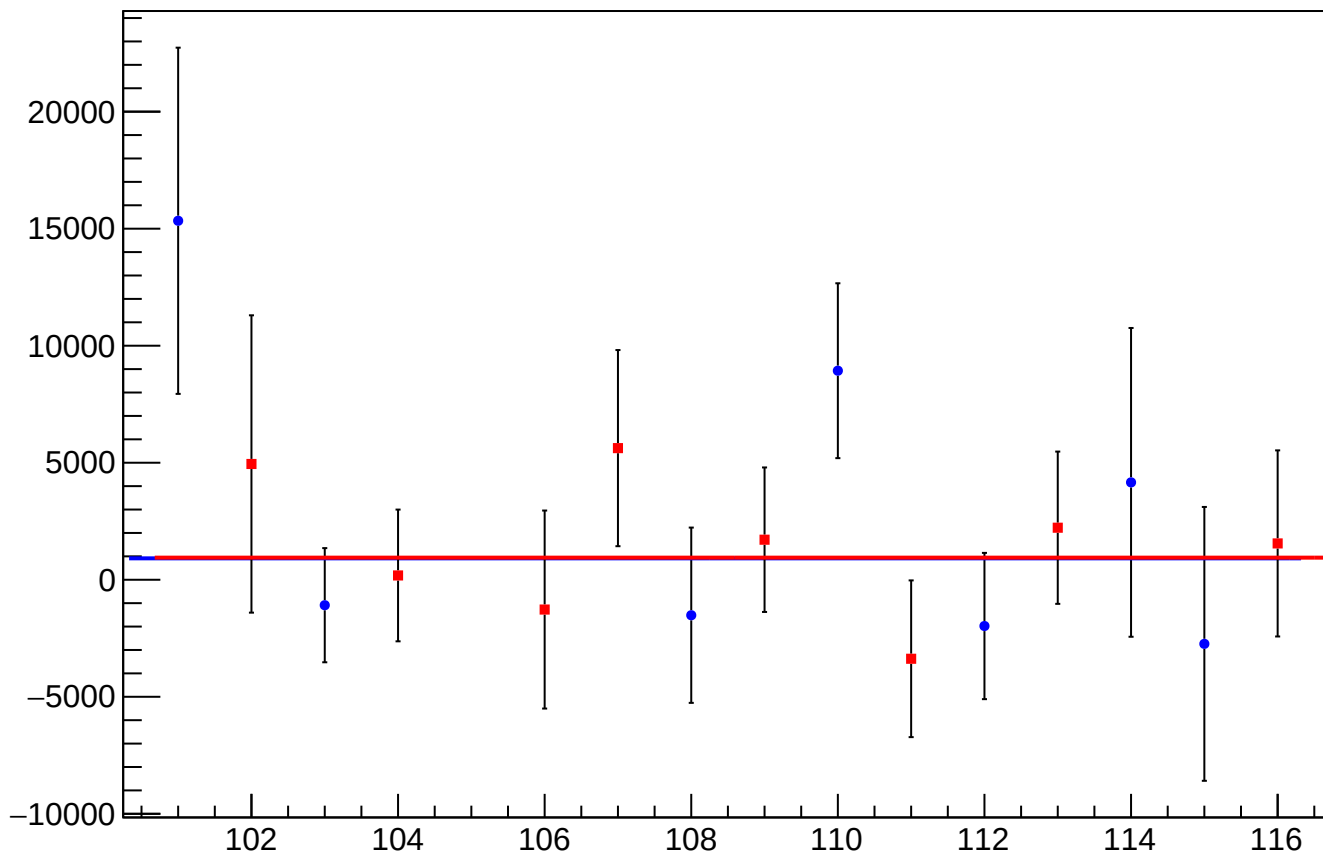
In: 1877.731+/-0.829  $\chi^2/\text{NDF}$ : 88761.8/6

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

All: 1940.059+/-0.566  $\chi^2/\text{NDF}$ : 153651.1/14



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



Right In: 915.011+/-1437.452  $\chi^2/\text{NDF}$ : 11.0/6

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

Right Out: 944.766+/-1274.360  $\chi^2/\text{NDF}$ : 3.9/7

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

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

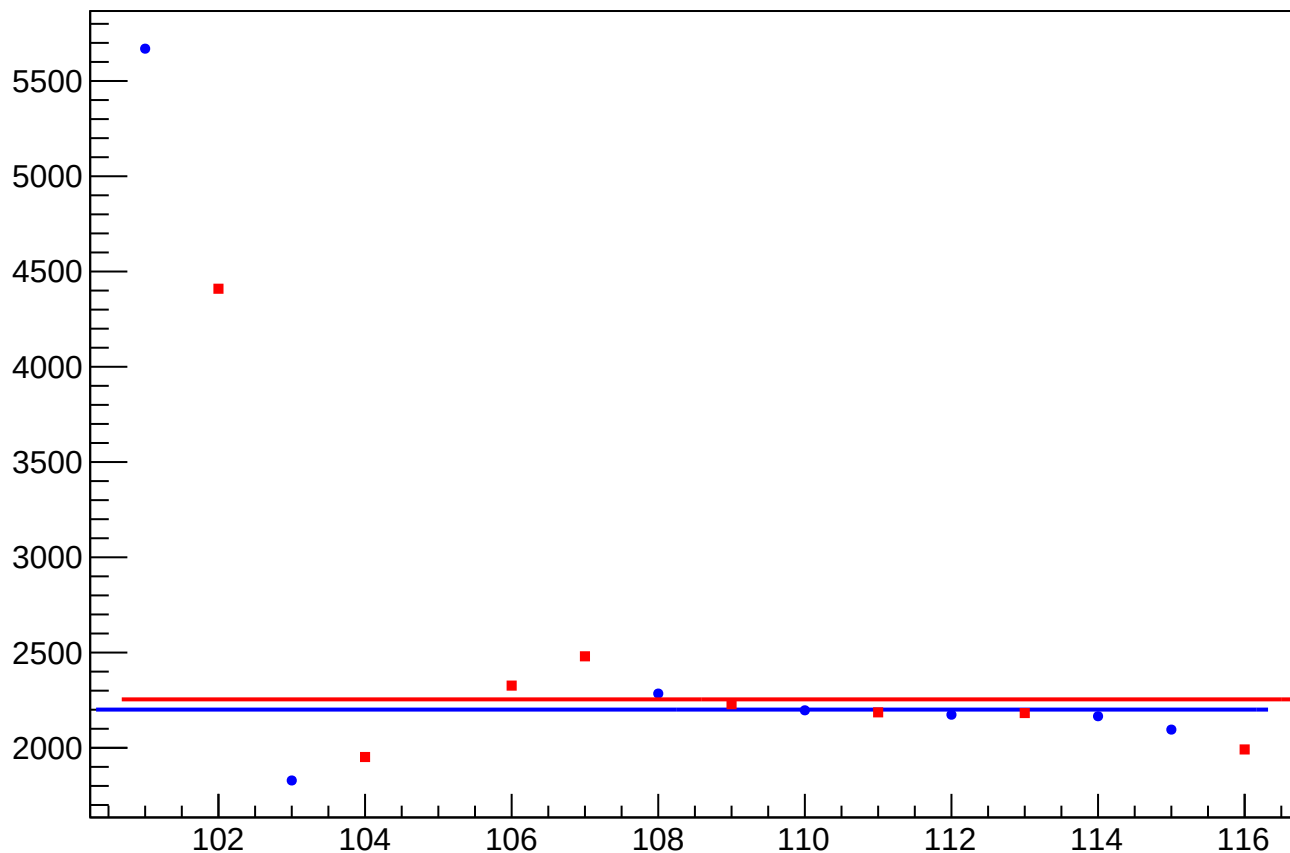
Right: 931.672+/-953.579  $\chi^2/\text{NDF}$ : 14.9/14

In: 915.011+/-1437.452  $\chi^2/\text{NDF}$ : 11.0/6

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

All: 931.672+/-953.579  $\chi^2/\text{NDF}$ : 14.9/14

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



Right In: 2200.664+/-1.016  $\chi^2/\text{NDF}$ : 488364.8/6

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

Right Out: 2254.328+/-0.901  $\chi^2/\text{NDF}$ : 270531.6/7

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

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

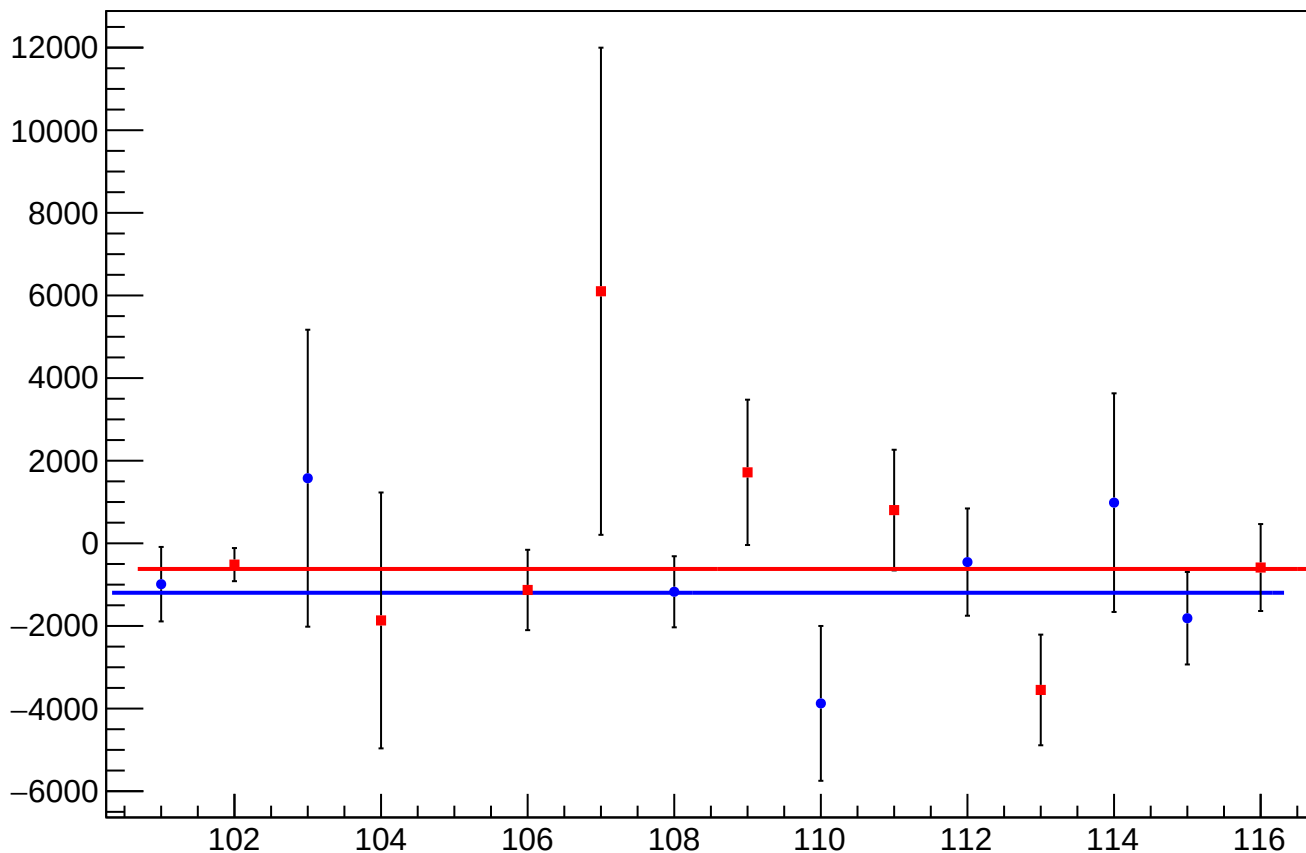
Right: 2230.712+/-0.674  $\chi^2/\text{NDF}$ : 760457.1/14

In: 2200.664+/-1.016  $\chi^2/\text{NDF}$ : 488364.8/6

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

All: 2230.712+/-0.674  $\chi^2/\text{NDF}$ : 760457.1/14

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



Right In: -1196.589+/-472.573  $\chi^2/\text{NDF}$ : 4.0/6

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

Right Out: -620.243+/-321.733  $\chi^2/\text{NDF}$ : 9.3/7

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

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

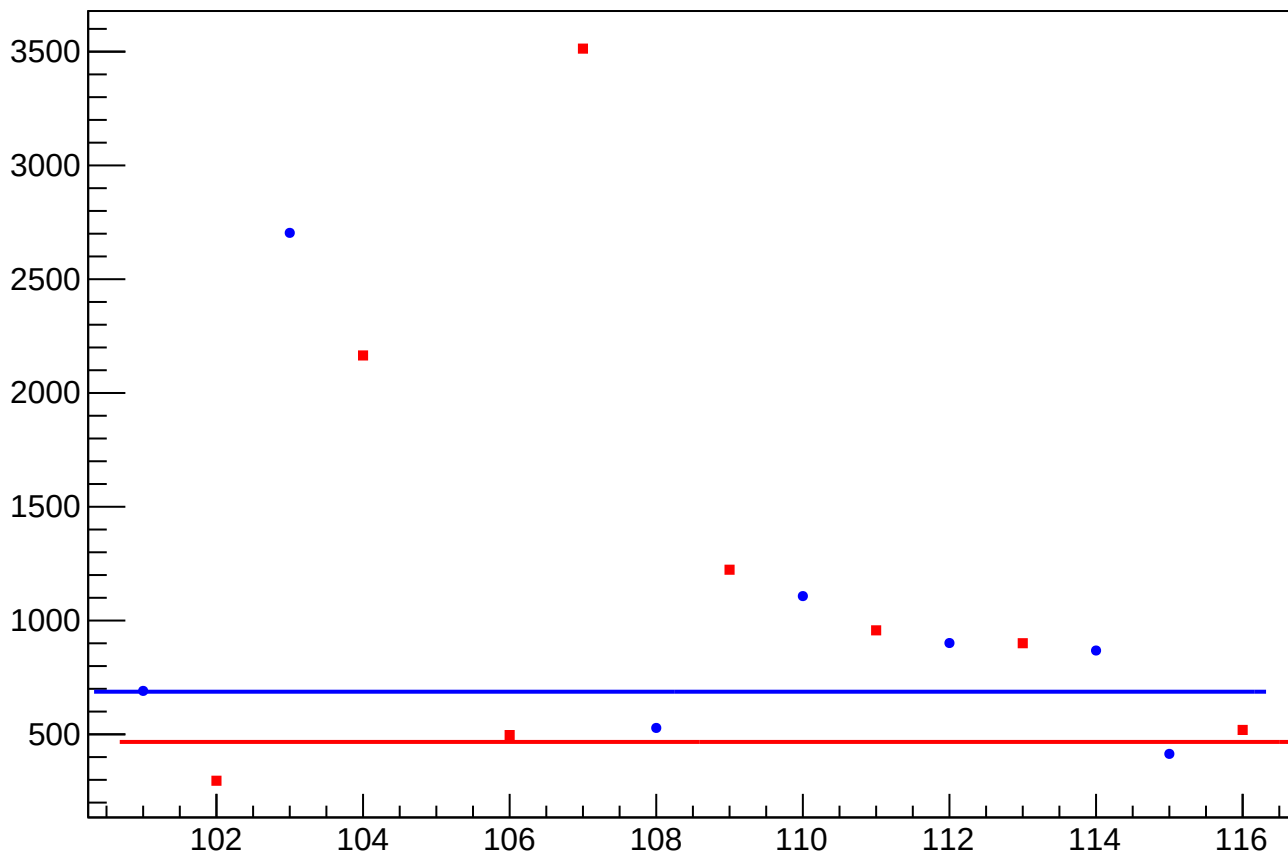
Right: -802.776+/-265.949  $\chi^2/\text{NDF}$ : 14.3/14

In: -1196.589+/-472.573  $\chi^2/\text{NDF}$ : 4.0/6

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

All: -802.776+/-265.949  $\chi^2/\text{NDF}$ : 14.3/14

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



Right In: 687.296+/-0.334  $\chi^2/\text{NDF}$ : 981213.8/6

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

Right Out: 466.630+/-0.227  $\chi^2/\text{NDF}$ : 2309287.8/7

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

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

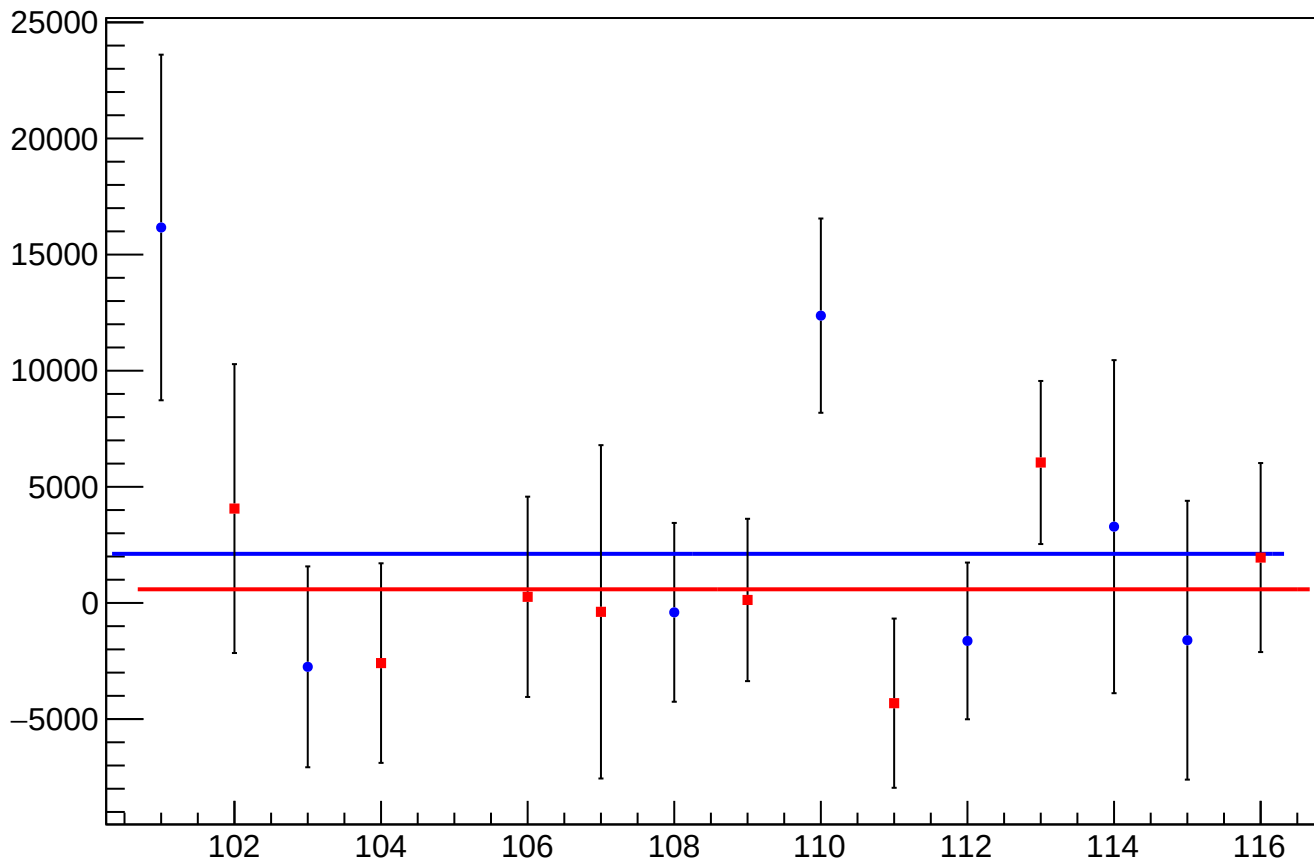
Right: 536.517+/-0.188  $\chi^2/\text{NDF}$ : 3588470.8/14

In: 687.296+/-0.334  $\chi^2/\text{NDF}$ : 981213.8/6

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

All: 536.517+/-0.188  $\chi^2/\text{NDF}$ : 3588470.8/14

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



Right In: 2114.803+/-1737.598  $\chi^2/\text{NDF}$ : 12.9/6

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

Right Out: 587.605+/-1487.605  $\chi^2/\text{NDF}$ : 5.2/7

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

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

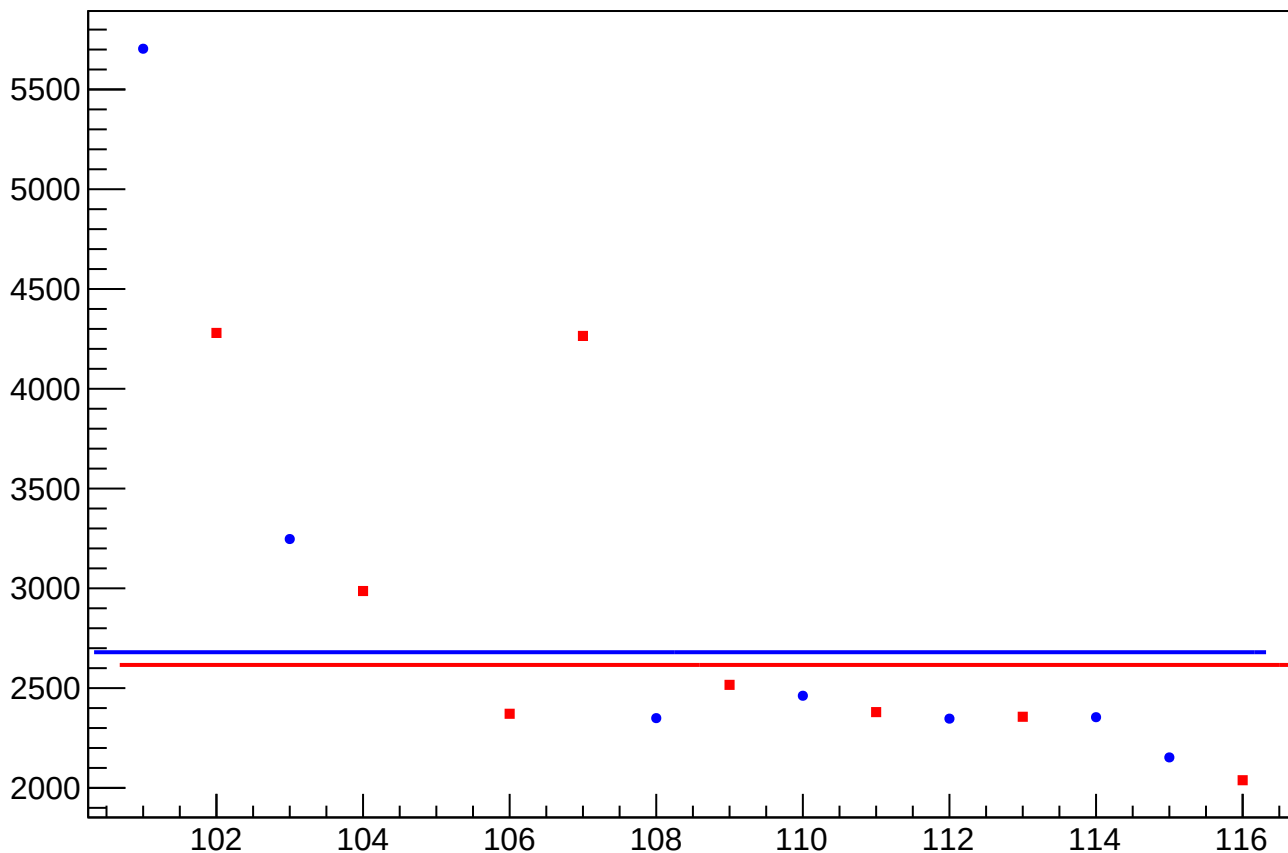
Right: 1233.534+/-1130.041  $\chi^2/\text{NDF}$ : 18.6/14

In: 2114.803+/-1737.598  $\chi^2/\text{NDF}$ : 12.9/6

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

All: 1233.534+/-1130.041  $\chi^2/\text{NDF}$ : 18.6/14

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



Right In: 2679.898+/-1.229  $\chi^2/\text{NDF}$ : 423951.0/6

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

Right Out: 2616.170+/-1.052  $\chi^2/\text{NDF}$ : 331285.0/7

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

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

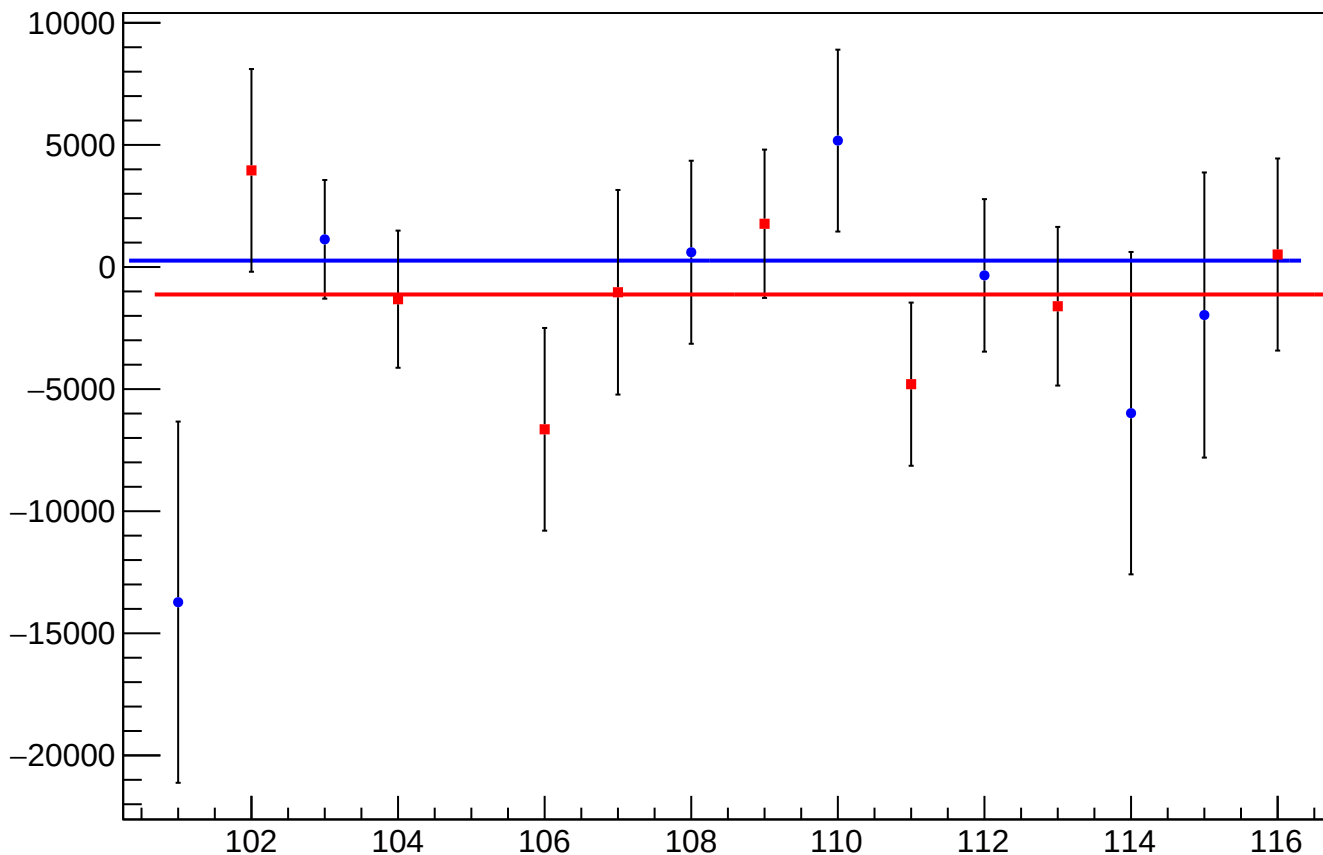
Right: 2643.124+/-0.799  $\chi^2/\text{NDF}$ : 756788.4/14

In: 2679.898+/-1.229  $\chi^2/\text{NDF}$ : 423951.0/6

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

All: 2643.124+/-0.799  $\chi^2/\text{NDF}$ : 756788.4/14

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



Right In: 262.187+/-1434.648  $\chi^2/\text{NDF}$ : 6.5/6

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

Right Out: -1124.204+/-1233.528  $\chi^2/\text{NDF}$ : 5.6/7

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

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

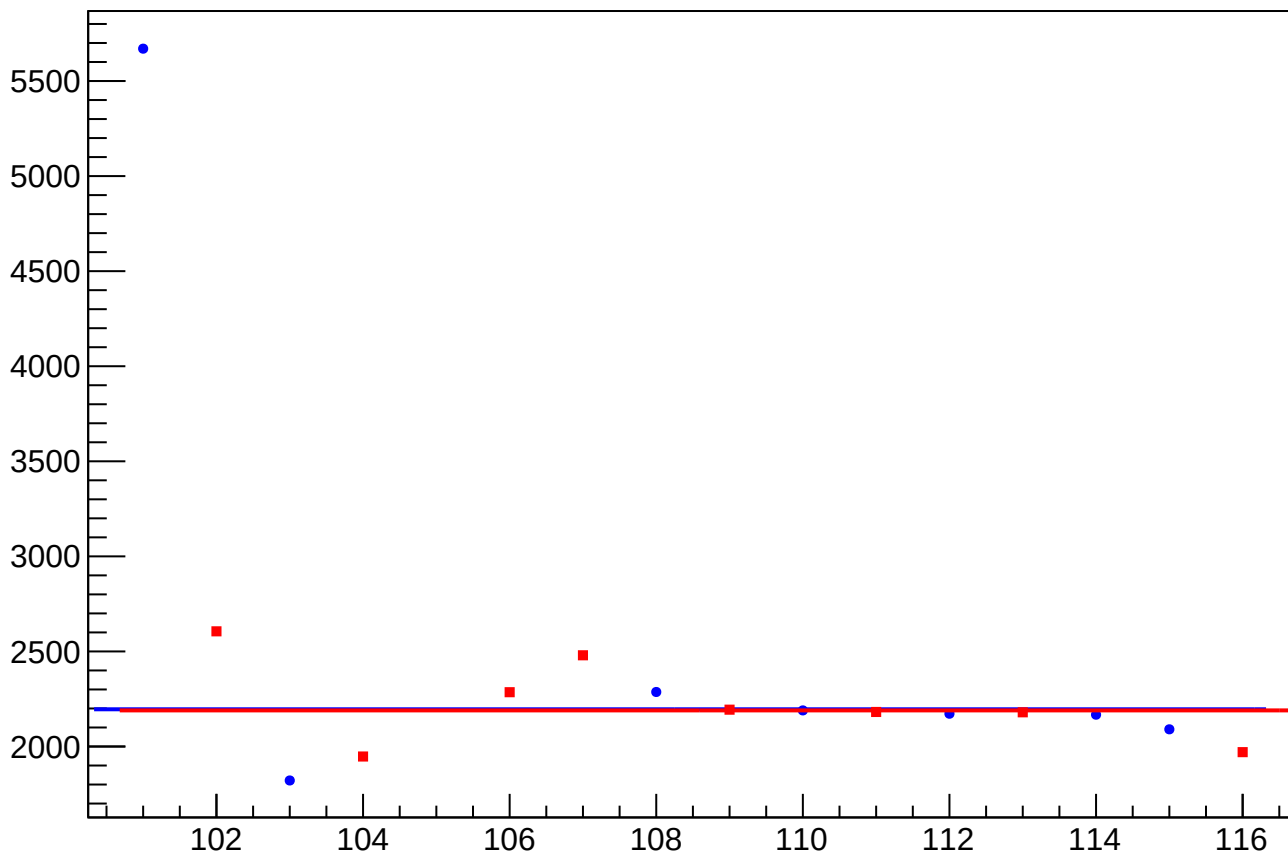
Right: -534.921+/-935.330  $\chi^2/\text{NDF}$ : 12.7/14

In: 262.187+/-1434.648  $\chi^2/\text{NDF}$ : 6.5/6

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

All: -534.921+/-935.330  $\chi^2/\text{NDF}$ : 12.7/14

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



Right In: 2195.750+/-1.014  $\chi^2/\text{NDF}$ : 490787.6/6

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

Right Out: 2189.898+/-0.872  $\chi^2/\text{NDF}$ : 51886.3/7

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

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

Right: 2192.386+/-0.661  $\chi^2/\text{NDF}$ : 542693.0/14

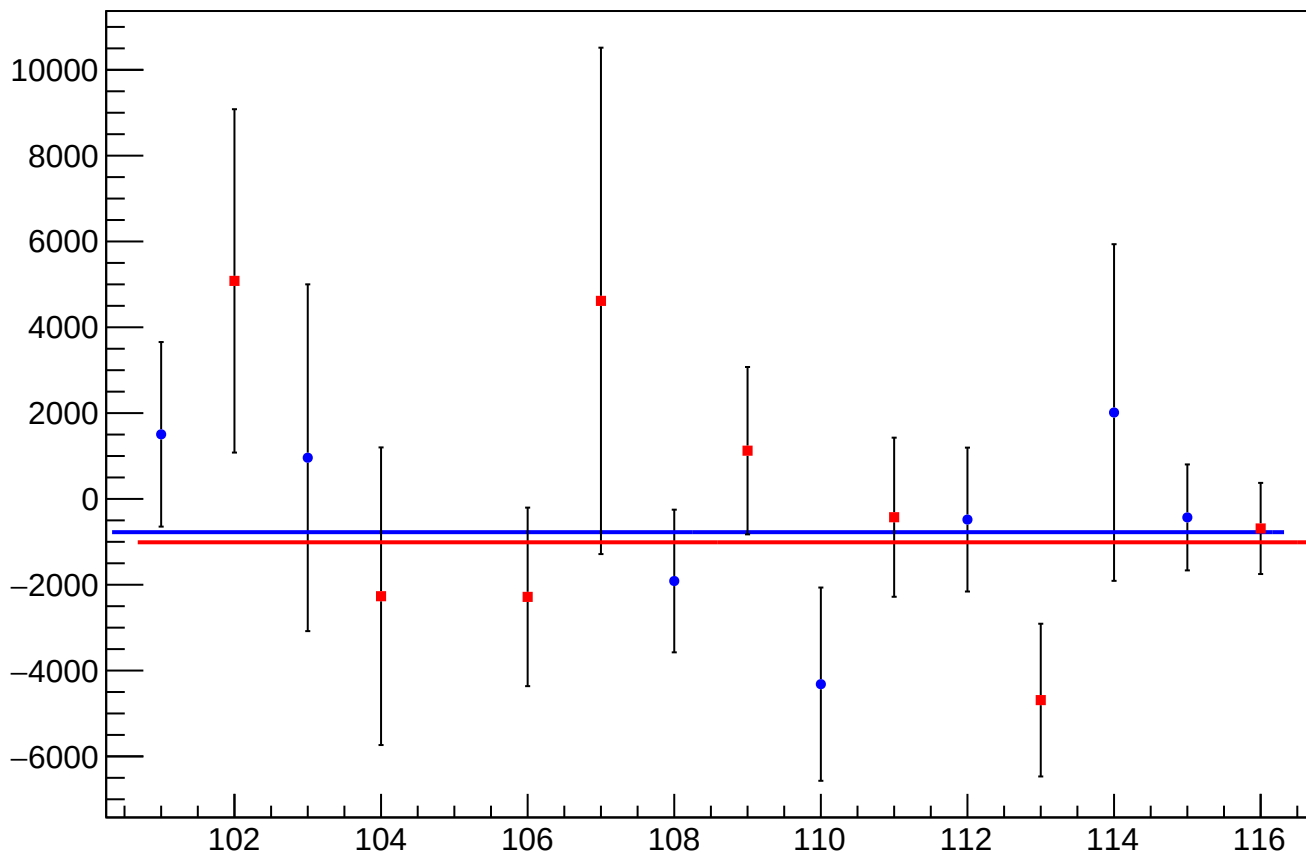
In: 2195.750+/-1.014  $\chi^2/\text{NDF}$ : 490787.6/6

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

All: 2192.386+/-0.661  $\chi^2/\text{NDF}$ : 542693.0/14



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



Right In: -774.874+/-723.036  $\chi^2/\text{NDF}$ : 4.9/6

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

Right Out: -1010.822+/-680.189  $\chi^2/\text{NDF}$ : 9.4/7

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

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

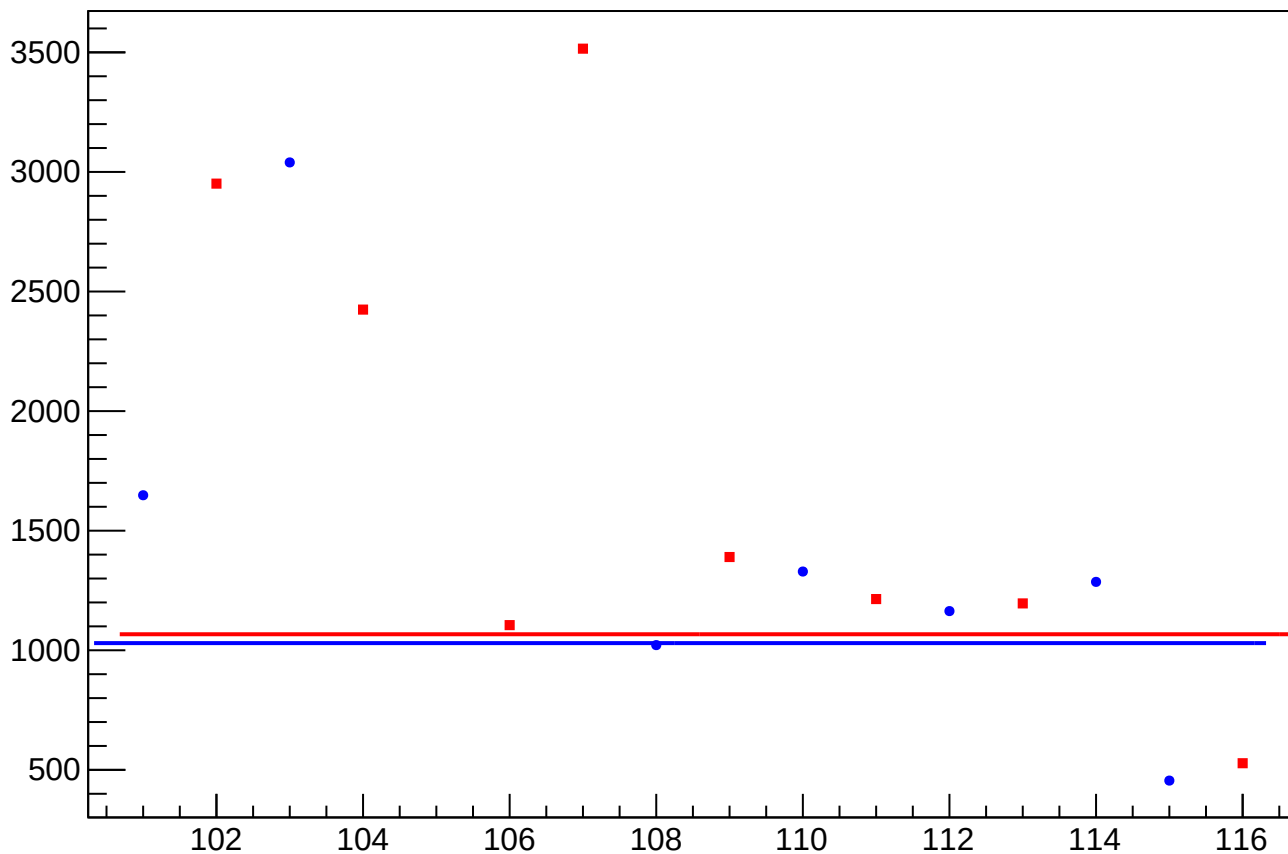
Right: -900.046+/-495.422  $\chi^2/\text{NDF}$ : 14.3/14

In: -774.874+/-723.036  $\chi^2/\text{NDF}$ : 4.9/6

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

All: -900.046+/-495.422  $\chi^2/\text{NDF}$ : 14.3/14

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



Right In: 1029.968+/-0.511  $\chi^2/\text{NDF}$ : 1150029.9/6

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

Right Out: 1067.021+/-0.481  $\chi^2/\text{NDF}$ : 1688358.4/7

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

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

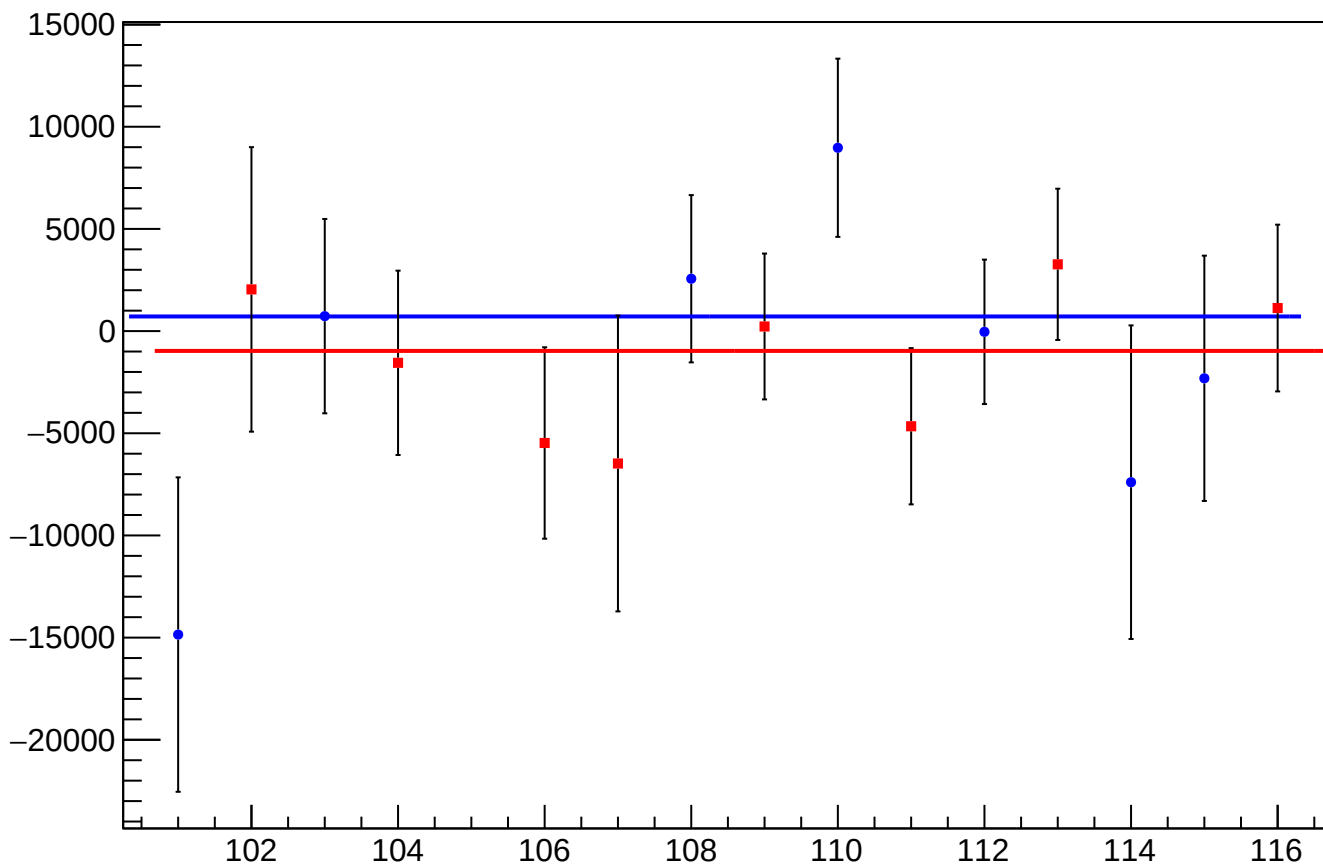
Right: 1049.625+/-0.350  $\chi^2/\text{NDF}$ : 2841174.8/14

In: 1029.968+/-0.511  $\chi^2/\text{NDF}$ : 1150029.9/6

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

All: 1049.625+/-0.350  $\chi^2/\text{NDF}$ : 2841174.8/14

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



Right In: 715.771 $\pm$ 1831.130  $\chi^2$ /NDF: 9.3/6

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

Right Out: -970.179 $\pm$ 1553.194  $\chi^2$ /NDF: 4.3/7

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

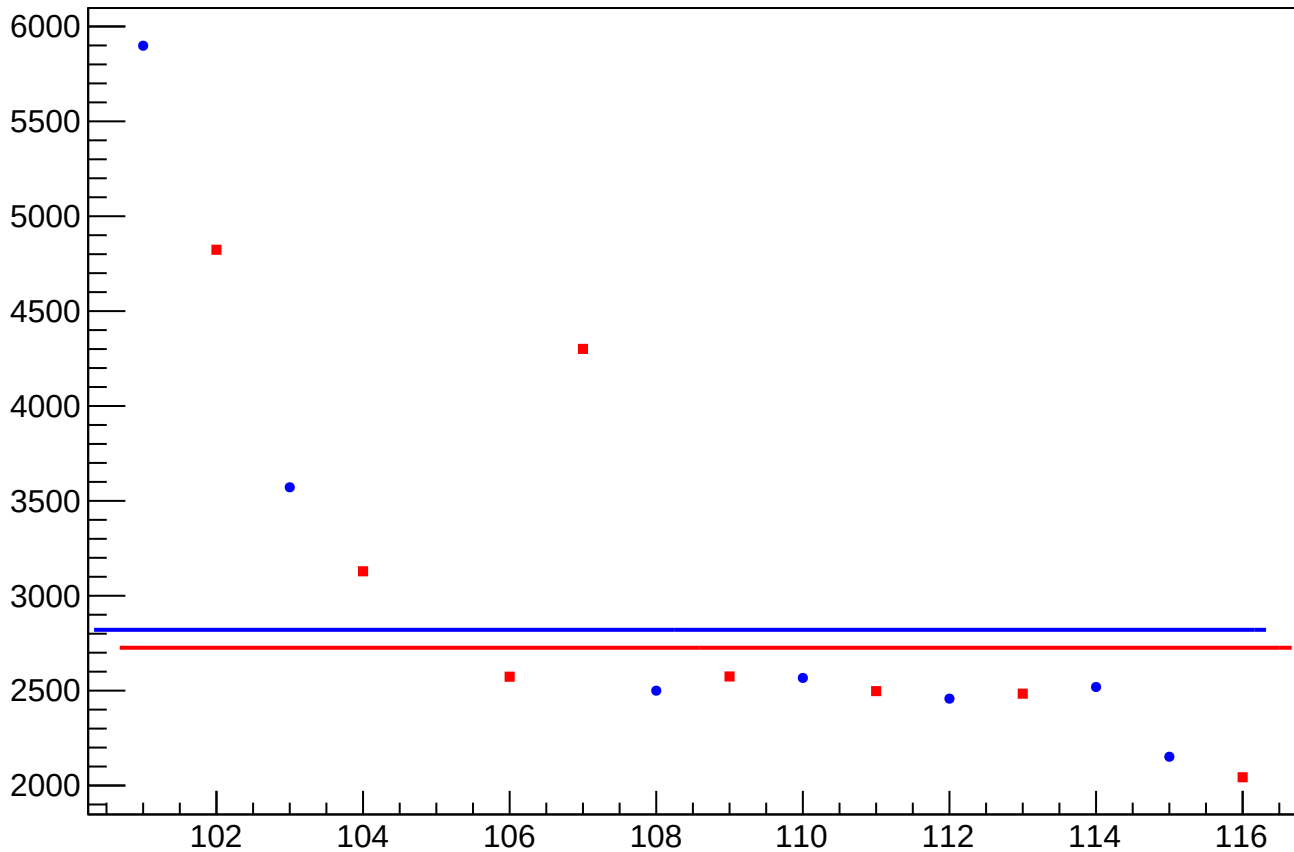
Right: -264.734 $\pm$ 1184.482  $\chi^2$ /NDF: 14.1/14

In: 715.771 $\pm$ 1831.130  $\chi^2$ /NDF: 9.3/6

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

All: -264.734 $\pm$ 1184.482  $\chi^2$ /NDF: 14.1/14

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



Right In: 2820.500+/-1.295  $\chi^2/\text{NDF}$ : 438092.6/6

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

Right Out: 2726.045+/-1.098  $\chi^2/\text{NDF}$ : 369653.9/7

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

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

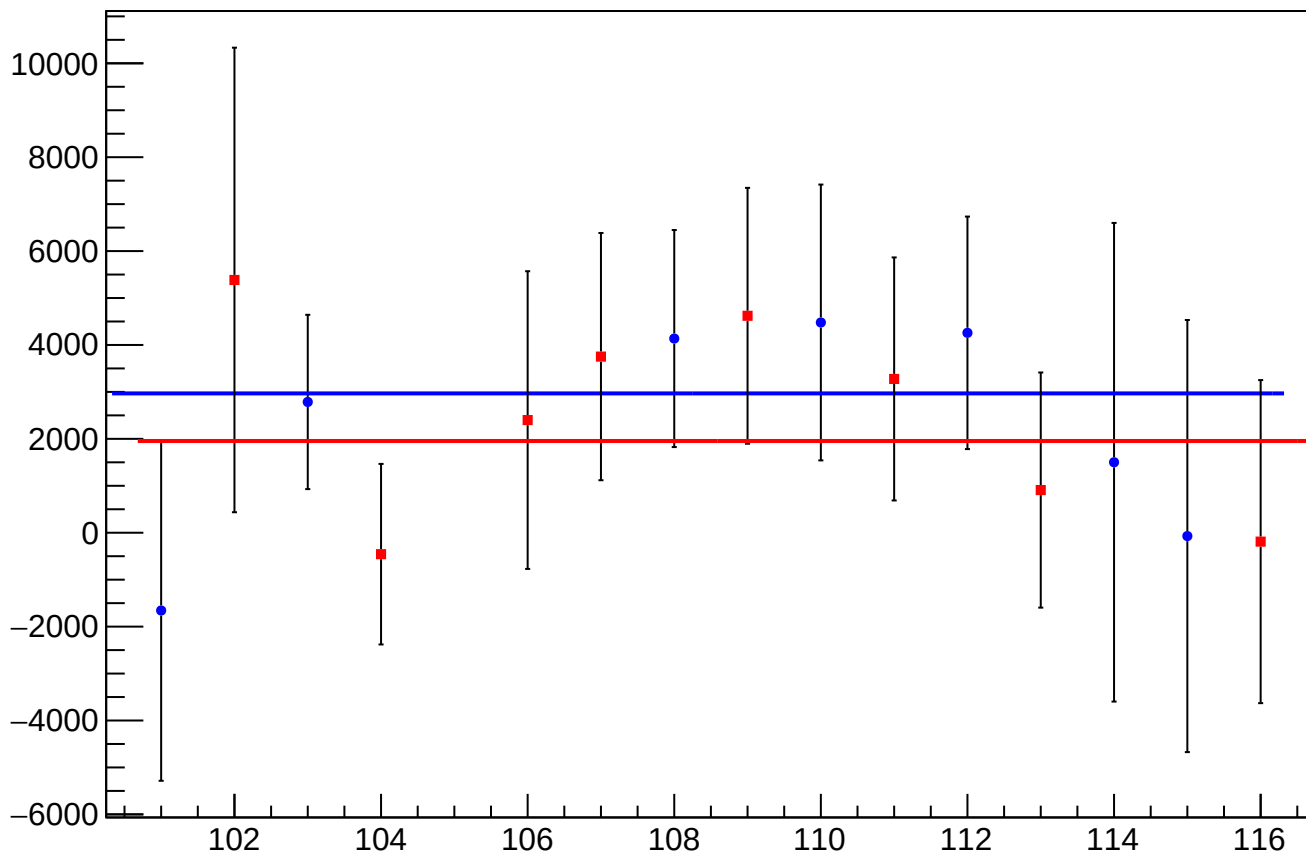
Right: 2765.567+/-0.838  $\chi^2/\text{NDF}$ : 810841.5/14

In: 2820.500+/-1.295  $\chi^2/\text{NDF}$ : 438092.6/6

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

All: 2765.567+/-0.838  $\chi^2/\text{NDF}$ : 810841.5/14

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



Right In: 2968.103+/-1043.828  $\chi^2/\text{NDF}$ : 2.9/6

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

Right Out: 1954.721+/-961.087  $\chi^2/\text{NDF}$ : 4.3/7

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

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

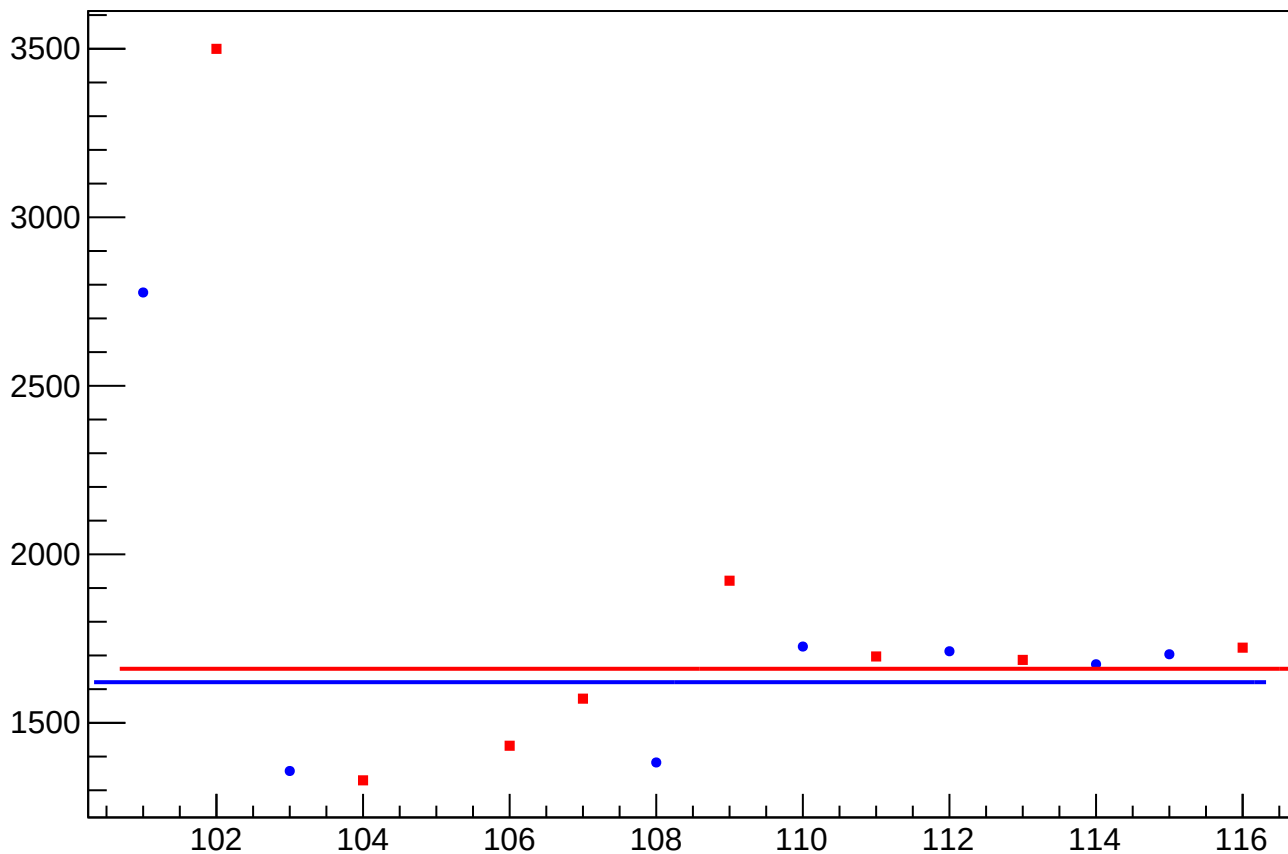
Right: 2419.662+/-707.035  $\chi^2/\text{NDF}$ : 7.8/14

In: 2968.103+/-1043.828  $\chi^2/\text{NDF}$ : 2.9/6

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

All: 2419.662+/-707.035  $\chi^2/\text{NDF}$ : 7.8/14

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



Right In: 1620.703+/-0.738  $\chi^2/\text{NDF}$ : 270842.4/6

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

Right Out: 1660.469+/-0.679  $\chi^2/\text{NDF}$ : 368012.4/7

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

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

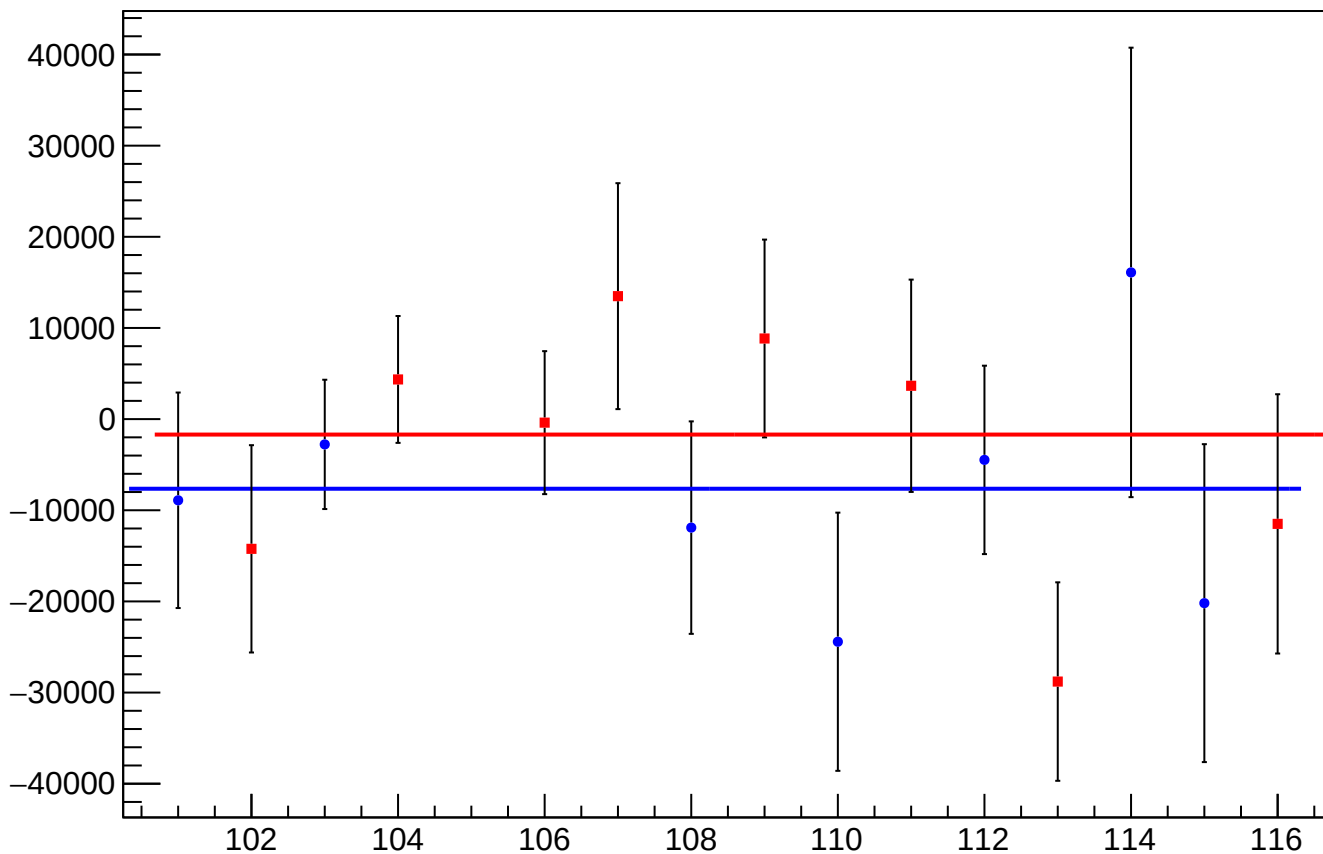
Right: 1642.235+/-0.500  $\chi^2/\text{NDF}$ : 640426.5/14

In: 1620.703+/-0.738  $\chi^2/\text{NDF}$ :270842.4/6

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

All: 1642.235+/-0.500  $\chi^2/\text{NDF}$ : 640426.5/14

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



Right In: -7639.059+/-4316.251  $\chi^2/\text{NDF}$ : 3.6/6

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

Right Out: -1695.876+/-3526.735  $\chi^2/\text{NDF}$ : 11.3/7

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

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

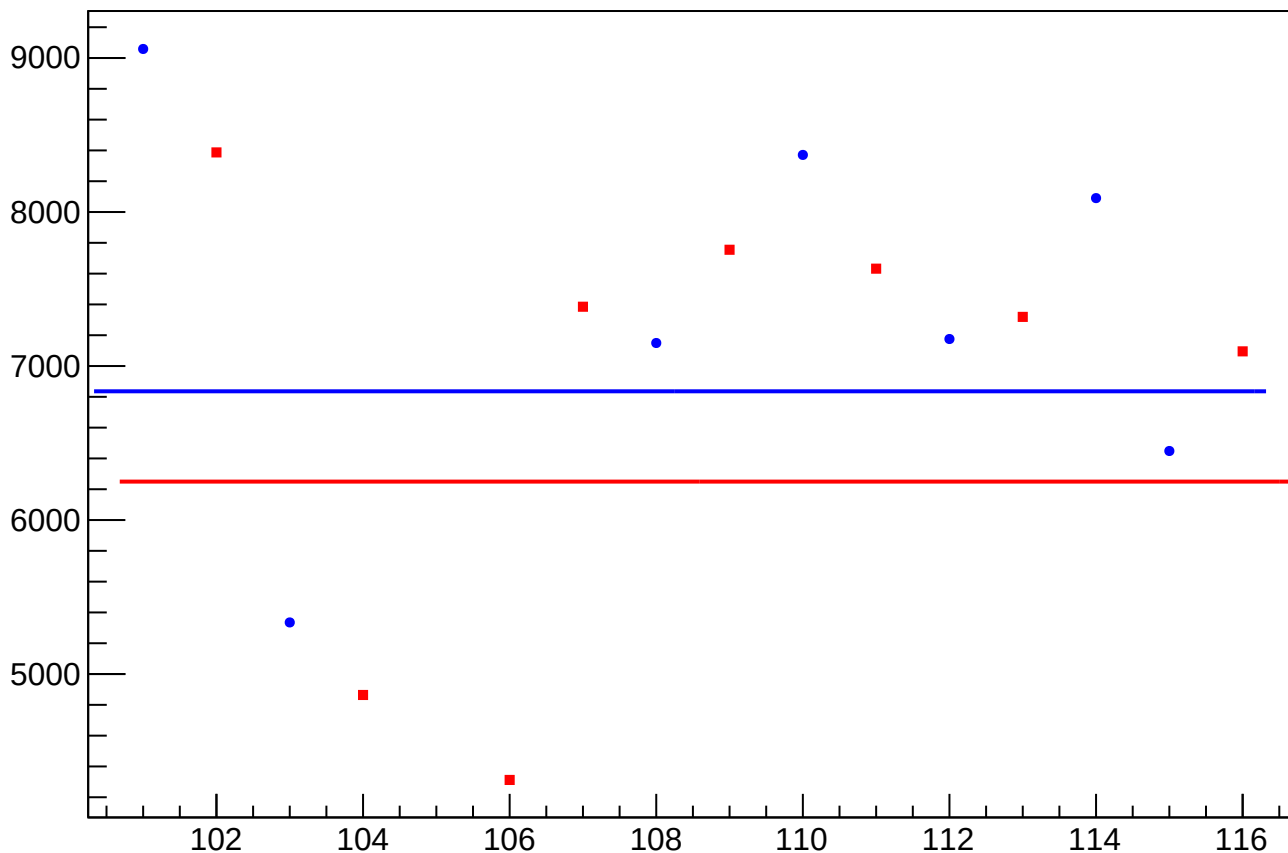
Right: -4075.198+/-2731.012  $\chi^2/\text{NDF}$ : 16.0/14

In: -7639.059+/-4316.251  $\chi^2/\text{NDF}$ :3.6/6

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

All: -4075.198+/-2731.012  $\chi^2/\text{NDF}$ : 16.0/14

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



Right In: 6835.902 $\pm$ 3.052  $\chi^2$ /NDF: 193529.4/6

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

Right Out: 6249.589 $\pm$ 2.494  $\chi^2$ /NDF: 381812.7/7

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: 6484.316 $\pm$ 1.931  $\chi^2$ /NDF: 597471.9/14

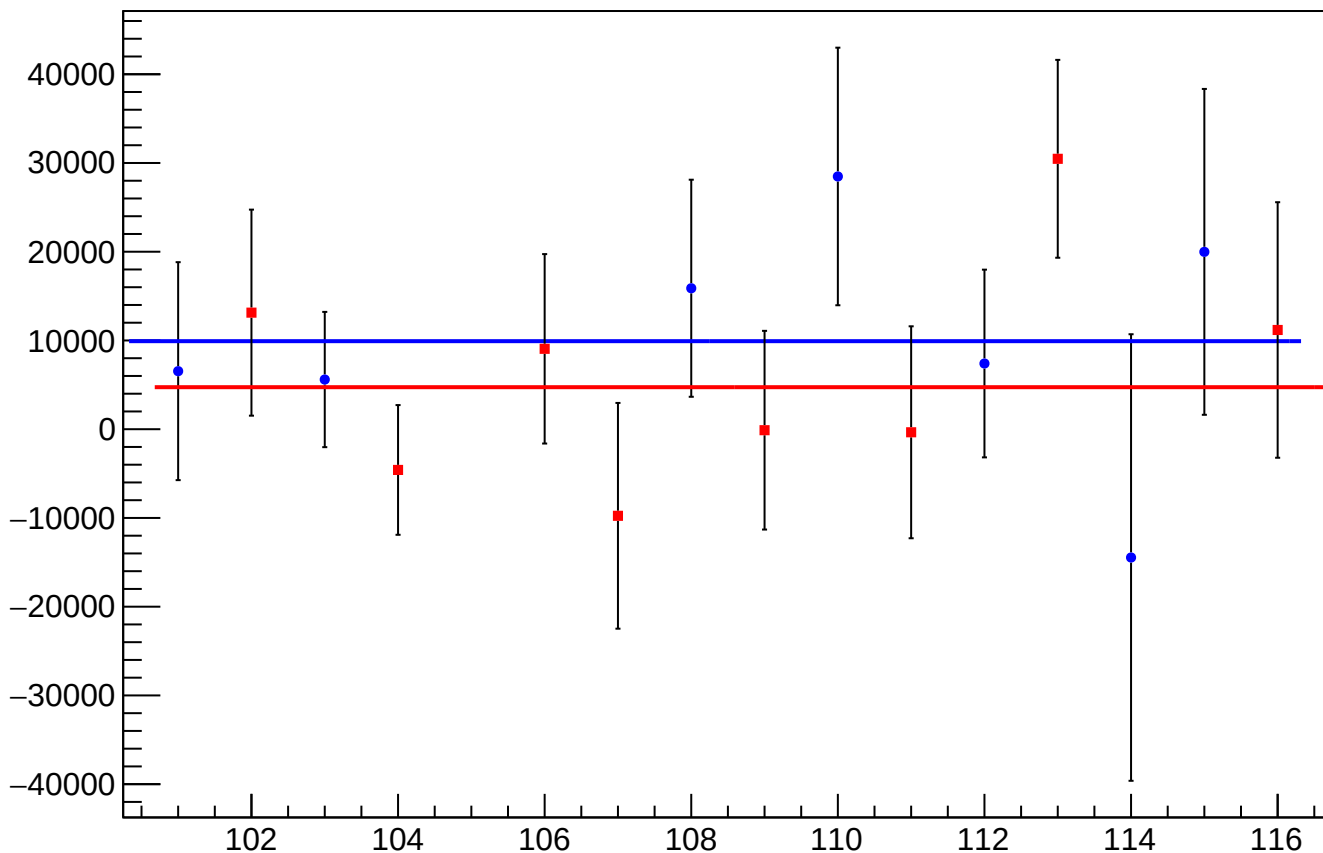
In: 6835.902 $\pm$ 3.052  $\chi^2$ /NDF:193529.4/6

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

All: 6484.316 $\pm$ 1.931  $\chi^2$ /NDF: 597471.9/14



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



Right In: 9920.506 $\pm$ 4528.496  $\chi^2$ /NDF: 3.6/6

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

Right Out: 4734.874 $\pm$ 3808.053  $\chi^2$ /NDF: 9.5/7

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

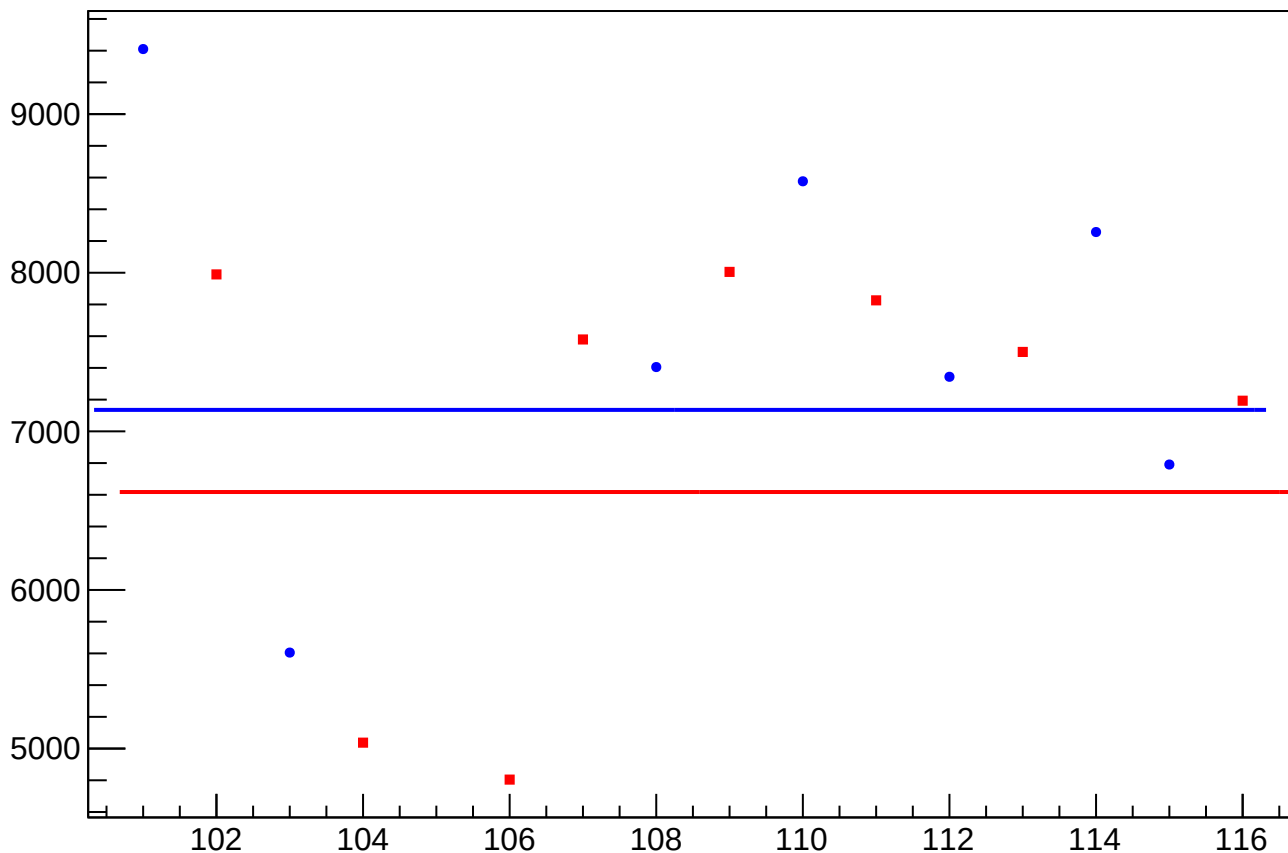
Right: 6882.871 $\pm$ 2914.540  $\chi^2$ /NDF: 13.8/14

In: 9920.506 $\pm$ 4528.496  $\chi^2$ /NDF:3.6/6

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

All: 6882.871 $\pm$ 2914.540  $\chi^2$ /NDF: 13.8/14

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



Right In: 7135.264+/-3.202  $\chi^2/\text{NDF}$ : 175420.2/6

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

Right Out: 6617.498+/-2.692  $\chi^2/\text{NDF}$ : 257746.6/7

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

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

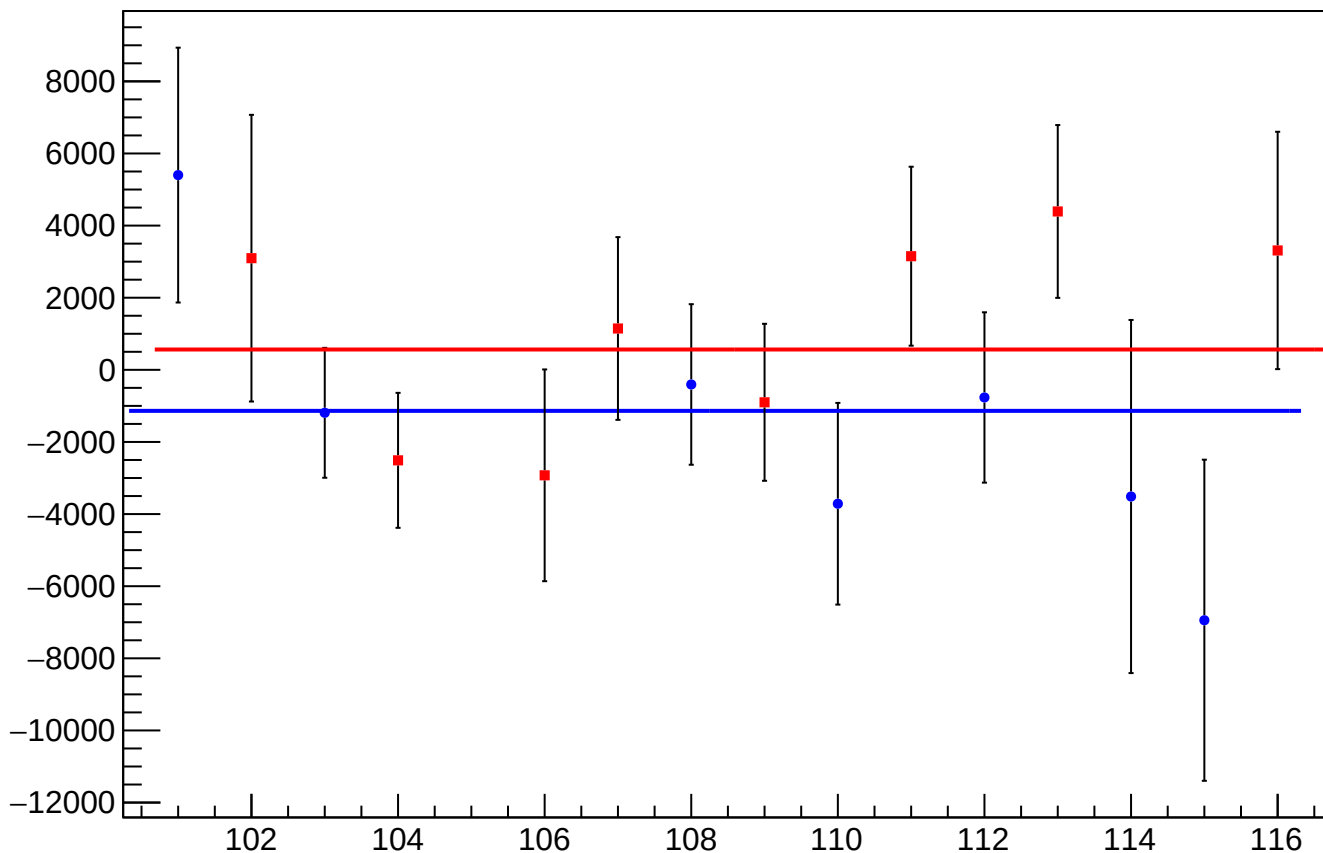
Right: 6831.922+/-2.061  $\chi^2/\text{NDF}$ : 448486.1/14

In: 7135.264+/-3.202  $\chi^2/\text{NDF}$ : 175420.2/6

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

All: 6831.922+/-2.061  $\chi^2/\text{NDF}$ : 448486.1/14

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



Right In: -1137.694+/-1005.343  $\chi^2/\text{NDF}$ : 6.3/6

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

Right Out: 563.988+/-890.654  $\chi^2/\text{NDF}$ : 9.4/7

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

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

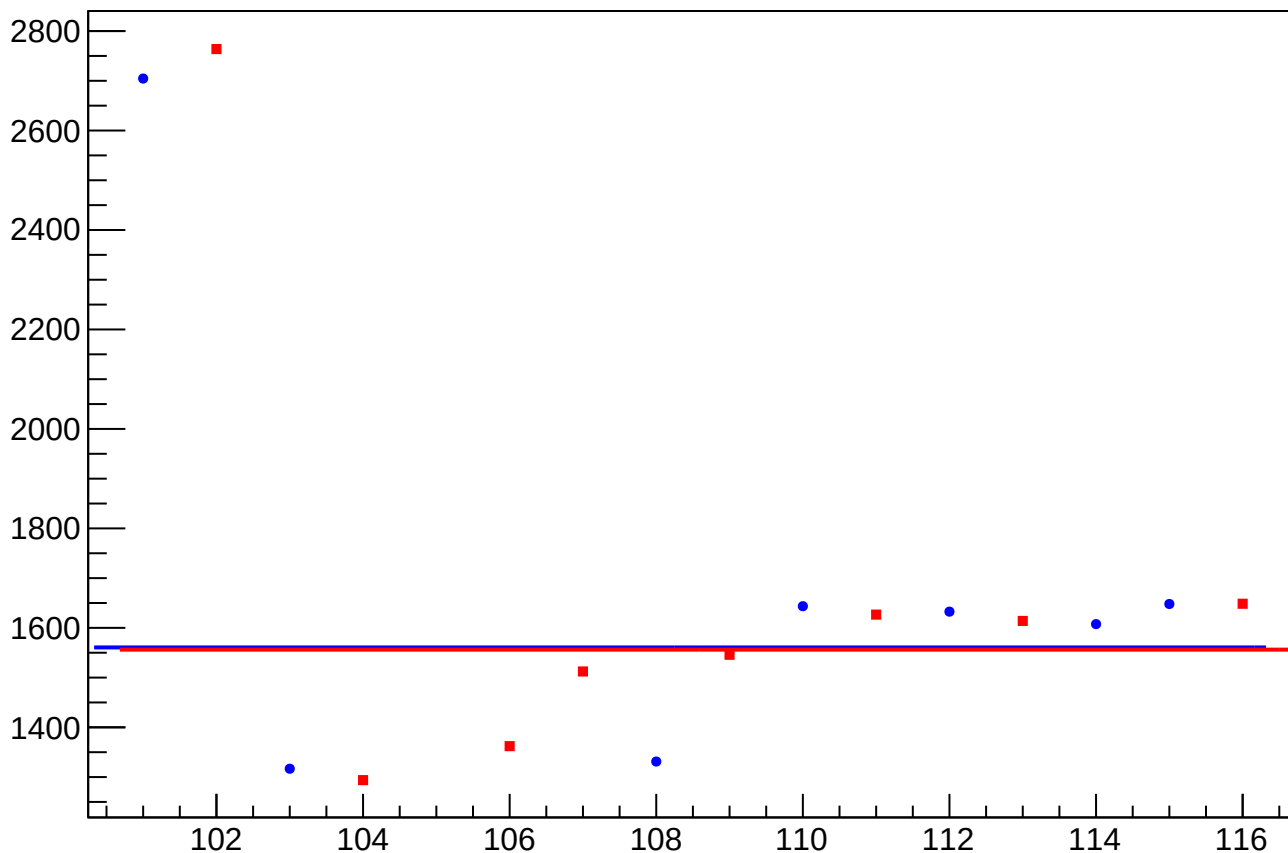
Right: -184.293+/-666.665  $\chi^2/\text{NDF}$ : 17.3/14

In: -1137.694+/-1005.343  $\chi^2/\text{NDF}$ : 6.3/6

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

All: -184.293+/-666.665  $\chi^2/\text{NDF}$ : 17.3/14

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



Right In: 1560.639+/-0.711  $\chi^2/\text{NDF}$ : 272077.3/6

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

Right Out: 1556.204+/-0.630  $\chi^2/\text{NDF}$ : 237643.4/7

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

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

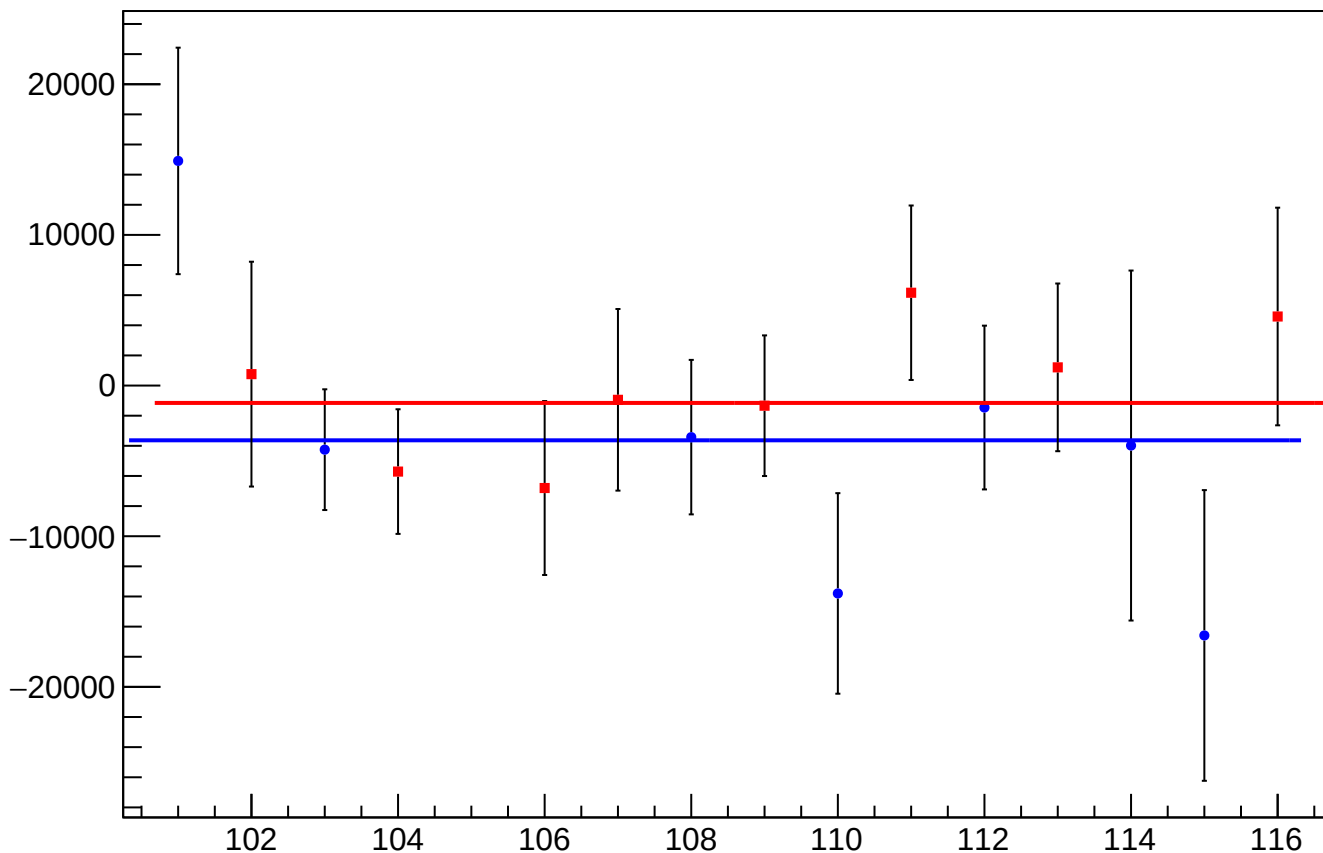
Right: 1558.155+/-0.471  $\chi^2/\text{NDF}$ : 509742.5/14

In: 1560.639+/-0.711  $\chi^2/\text{NDF}$ : 272077.3/6

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

All: 1558.155+/-0.471  $\chi^2/\text{NDF}$ : 509742.5/14

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



Right In: -3634.083+/-2278.571  $\chi^2/\text{NDF}$ : 10.4/6

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

Right Out: -1152.910+/-1956.885  $\chi^2/\text{NDF}$ : 4.6/7

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

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

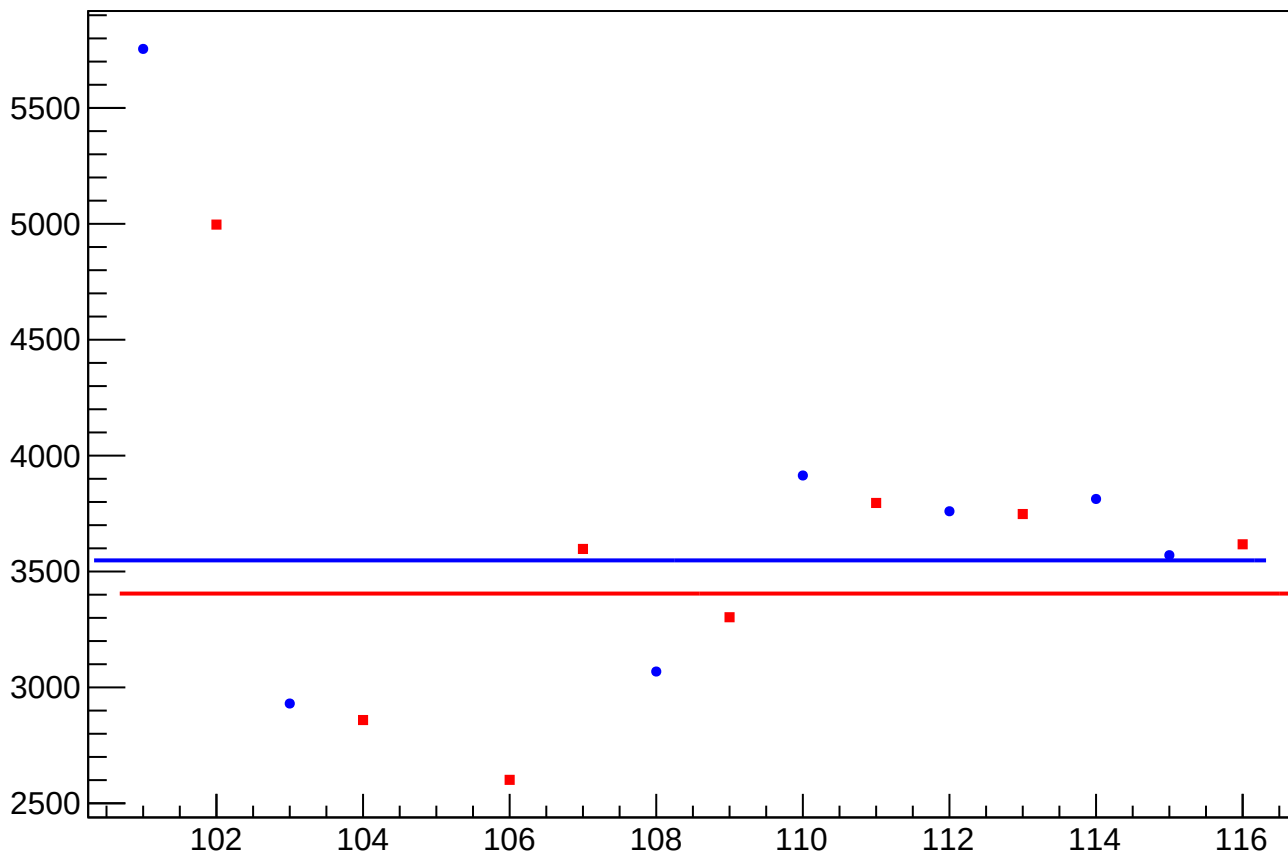
Right: -2206.130+/-1484.546  $\chi^2/\text{NDF}$ : 15.7/14

In: -3634.083+/-2278.571  $\chi^2/\text{NDF}$ : 10.4/6

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

All: -2206.130+/-1484.546  $\chi^2/\text{NDF}$ : 15.7/14

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



Right In: 3548.014+/-1.611  $\chi^2$ /NDF: 247523.4/6

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

Right Out: 3404.860+/-1.384  $\chi^2$ /NDF: 186106.3/7

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

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

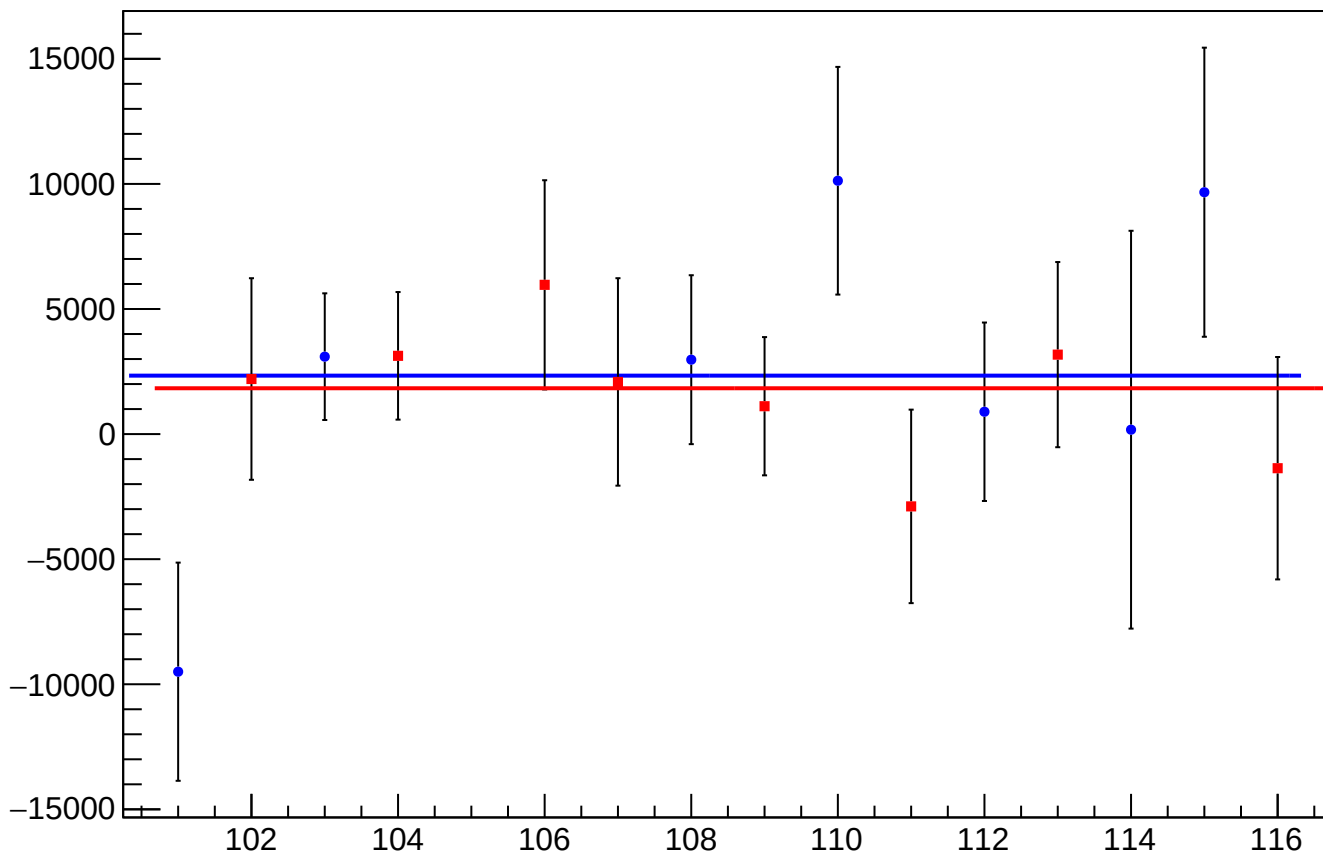
Right: 3465.624+/-1.050  $\chi^2$ /NDF: 438173.2/14

In: 3548.014+/-1.611  $\chi^2$ /NDF:247523.4/6

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

All: 3465.624+/-1.050  $\chi^2$ /NDF: 438173.2/14

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



Right In: 2336.462 $\pm$ 1460.213  $\chi^2$ /NDF: 12.3/6

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

Right Out: 1831.782 $\pm$ 1238.300  $\chi^2$ /NDF: 3.5/7

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

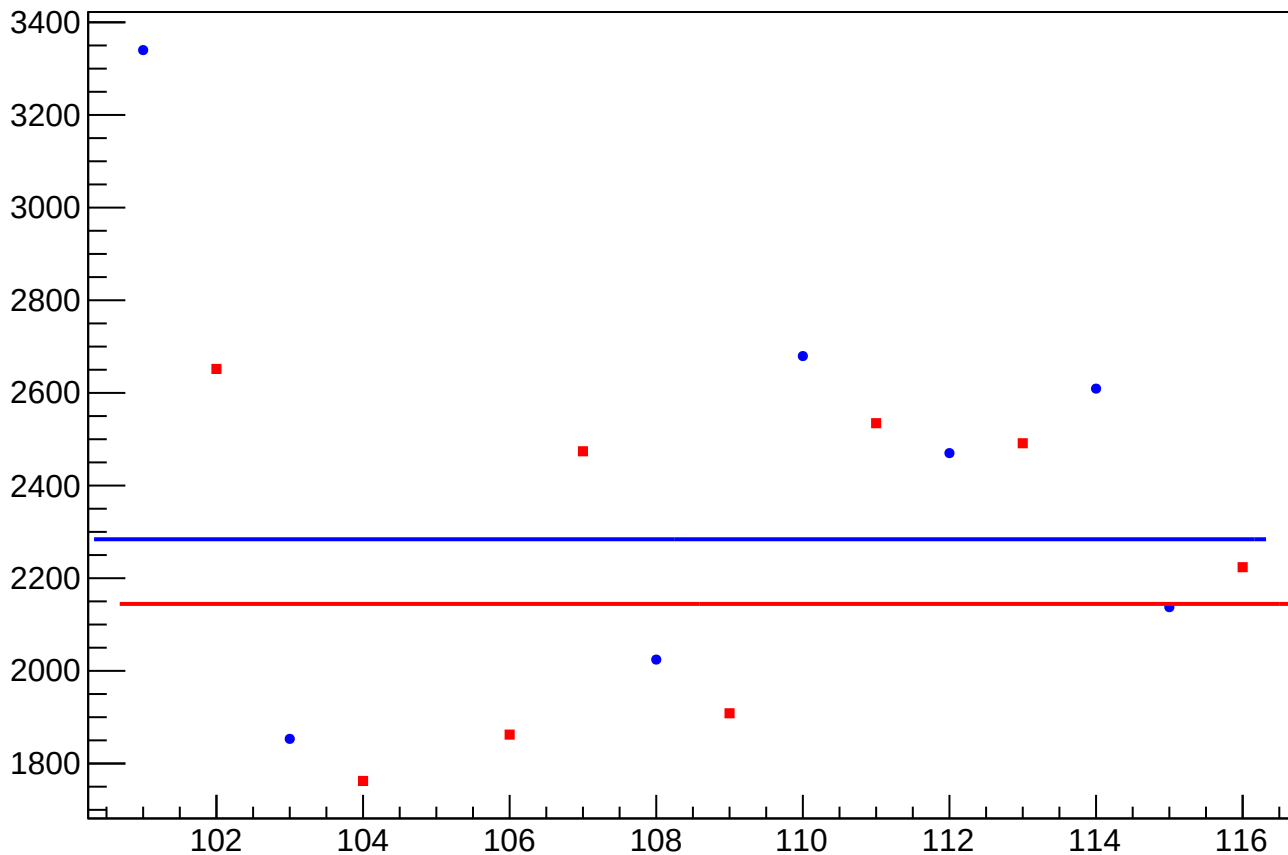
Right: 2042.898 $\pm$ 944.429  $\chi^2$ /NDF: 15.8/14

In: 2336.462 $\pm$ 1460.213  $\chi^2$ /NDF:12.3/6

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

All: 2042.898 $\pm$ 944.429  $\chi^2$ /NDF: 15.8/14

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



Right In: 2284.068+/-1.033  $\chi^2/\text{NDF}$ : 212191.8/6

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

Right Out: 2144.511+/-0.876  $\chi^2/\text{NDF}$ : 151496.2/7

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

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

Right: 2202.890+/-0.668  $\chi^2/\text{NDF}$ : 374314.6/14

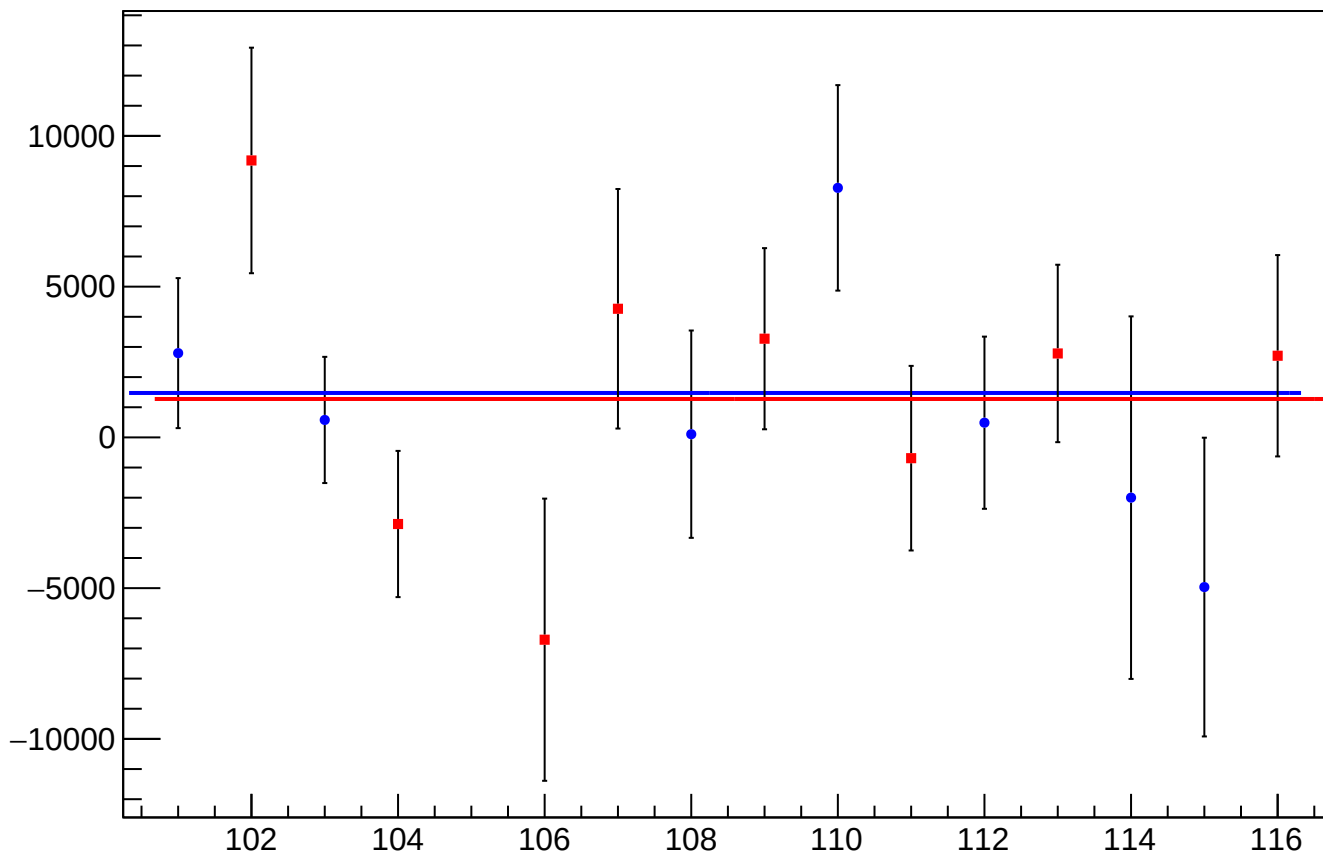
In: 2284.068+/-1.033  $\chi^2/\text{NDF}$ : 212191.8/6

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

All: 2202.890+/-0.668  $\chi^2/\text{NDF}$ : 374314.6/14



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



Right In: 1473.613+/-1153.501  $\chi^2/\text{NDF}$ : 6.7/6

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

Right Out: 1274.224+/-1137.196  $\chi^2/\text{NDF}$ : 12.2/7

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

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

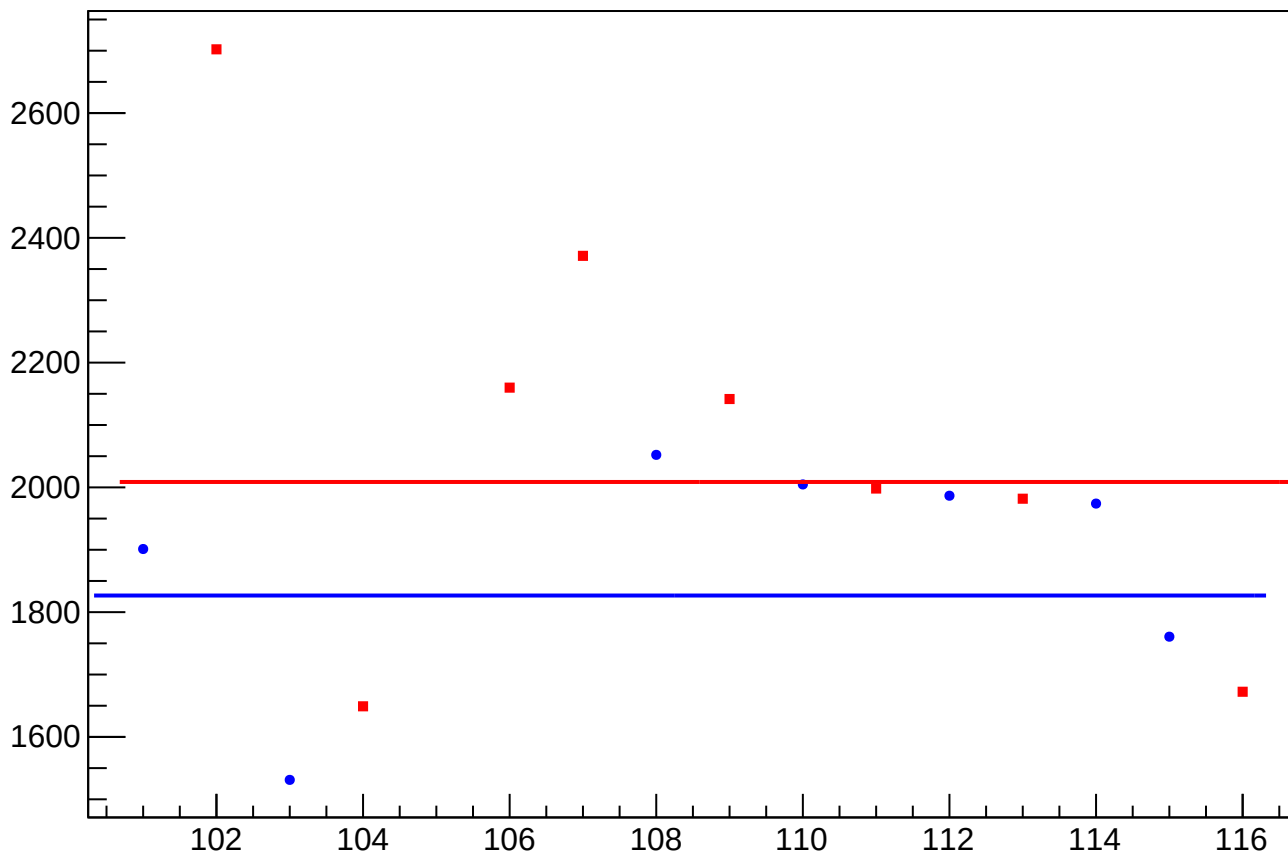
Right: 1372.500+/-809.822  $\chi^2/\text{NDF}$ : 18.9/14

In: 1473.613+/-1153.501  $\chi^2/\text{NDF}$ : 6.7/6

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

All: 1372.500+/-809.822  $\chi^2/\text{NDF}$ : 18.9/14

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



Right In: 1826.661+/-0.816  $\chi^2/\text{NDF}$ : 63563.0/6

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

Right Out: 2008.682+/-0.799  $\chi^2/\text{NDF}$ : 156285.6/7

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

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

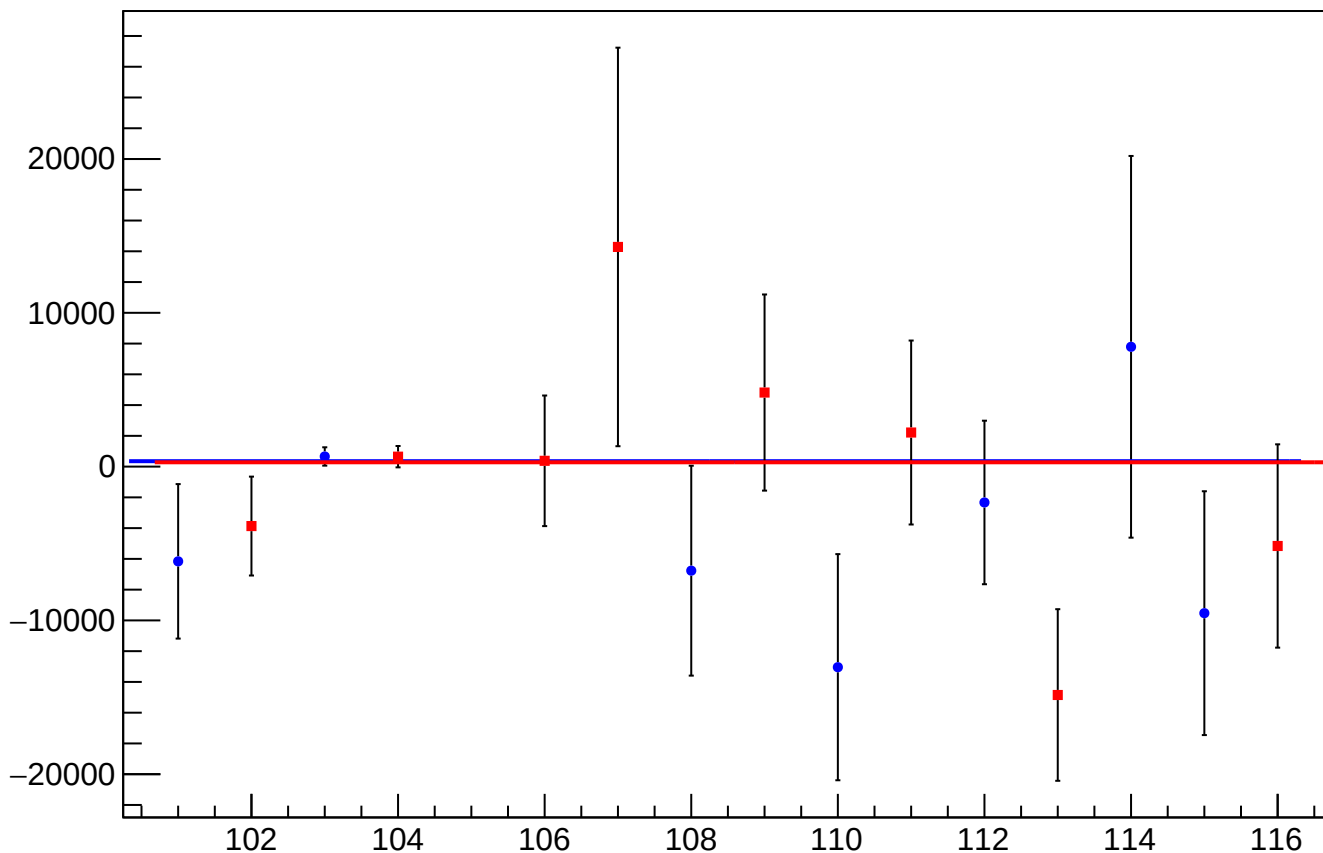
Right: 1919.499+/-0.571  $\chi^2/\text{NDF}$ : 245249.2/14

In: 1826.661+/-0.816  $\chi^2/\text{NDF}$ : 63563.0/6

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

All: 1919.499+/-0.571  $\chi^2/\text{NDF}$ : 245249.2/14

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



Right In: 352.721+/-582.383  $\chi^2/\text{NDF}$ : 8.5/6

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

Right Out: 280.982+/-653.618  $\chi^2/\text{NDF}$ : 11.8/7

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

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

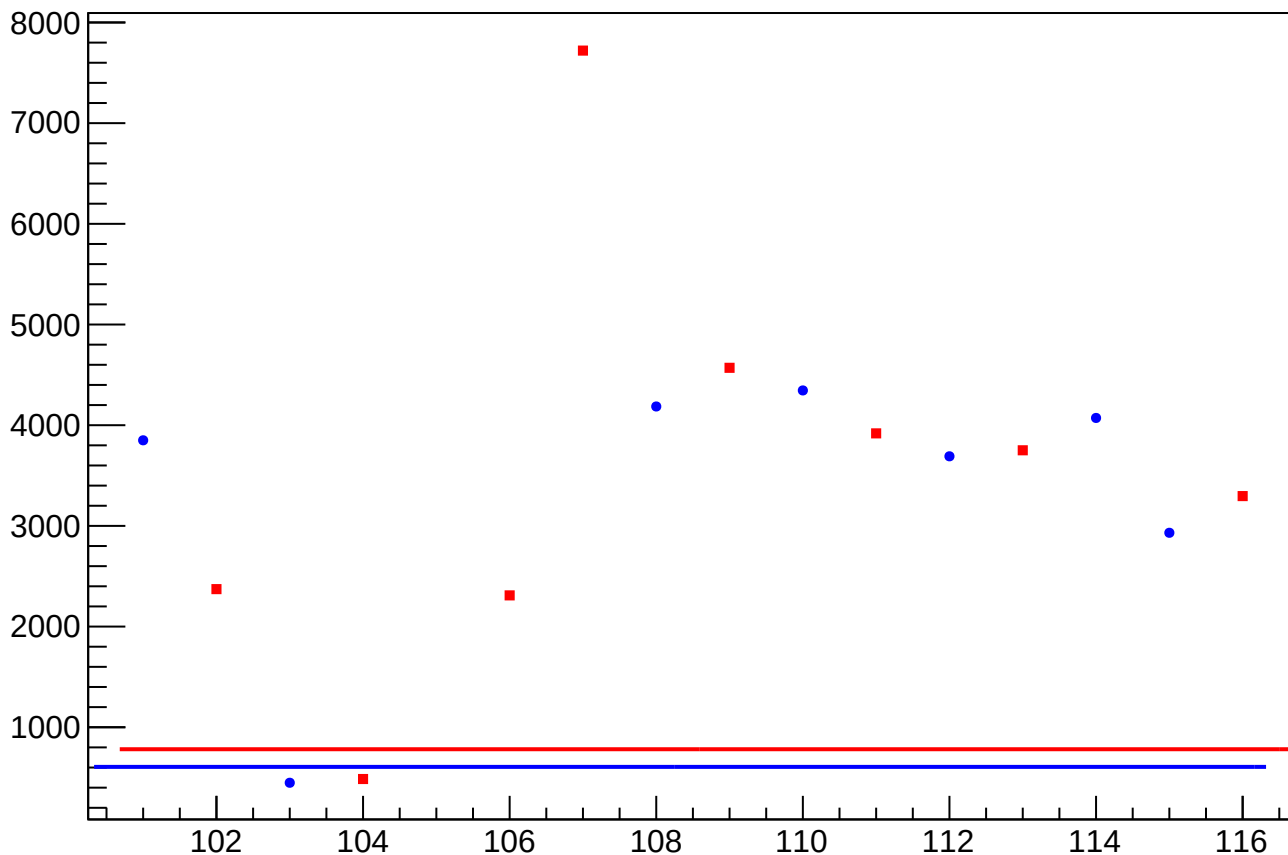
Right: 320.973+/-434.819  $\chi^2/\text{NDF}$ : 20.3/14

In: 352.721+/-582.383  $\chi^2/\text{NDF}$ : 8.5/6

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

All: 320.973+/-434.819  $\chi^2/\text{NDF}$ : 20.3/14

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



Right In: 606.438+/-0.412  $\chi^2/\text{NDF}$ : 3042612.3/6

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

Right Out: 781.727+/-0.462  $\chi^2/\text{NDF}$ : 3797231.4/7

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

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

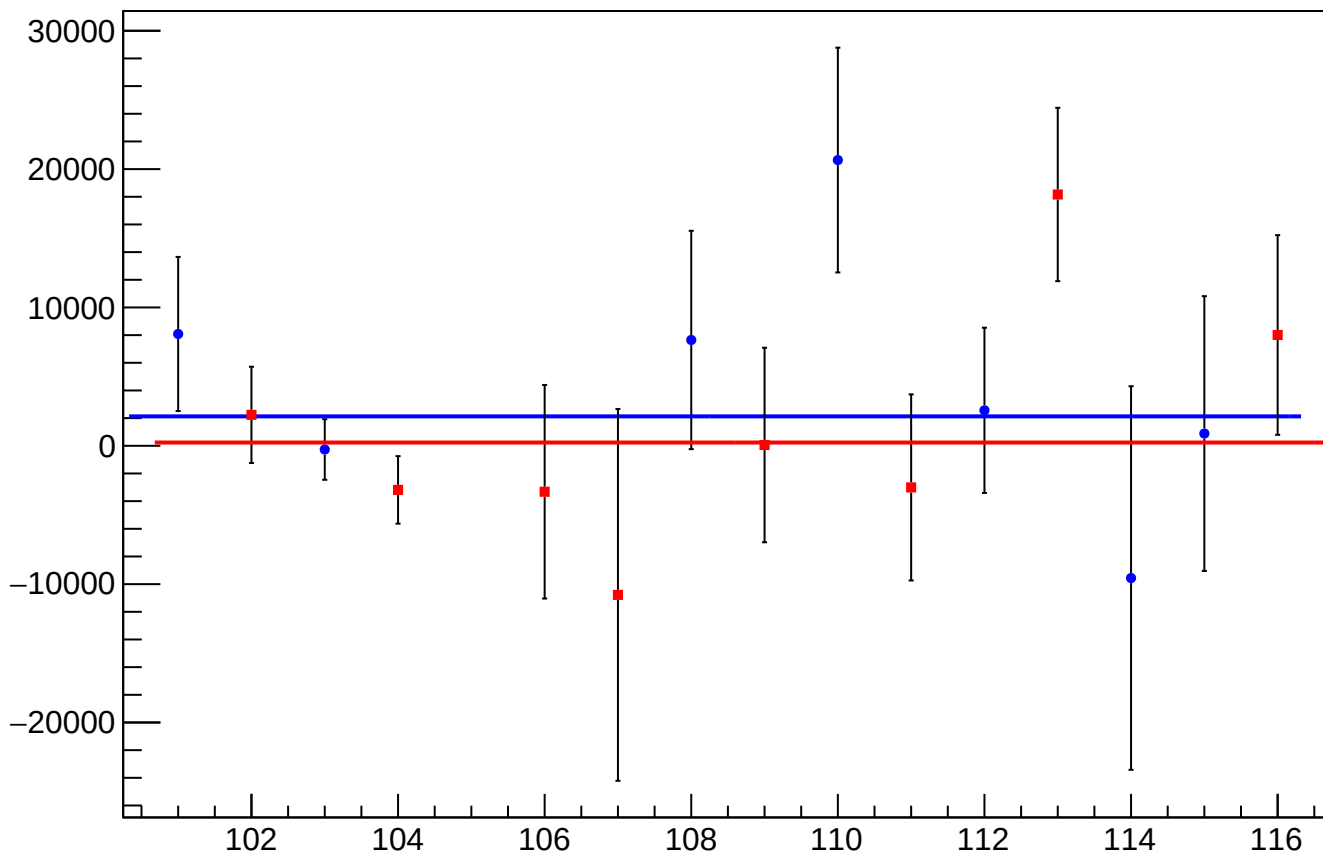
Right: 684.013+/-0.307  $\chi^2/\text{NDF}$ : 6920028.2/14

In: 606.438+/-0.412  $\chi^2/\text{NDF}$ : 3042612.3/6

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

All: 684.013+/-0.307  $\chi^2/\text{NDF}$ : 6920028.2/14

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



Right In: 2127.655+/-1780.000  $\chi^2/\text{NDF}$ : 8.8/6

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

Right Out: 236.788+/-1666.999  $\chi^2/\text{NDF}$ : 12.8/7

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

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

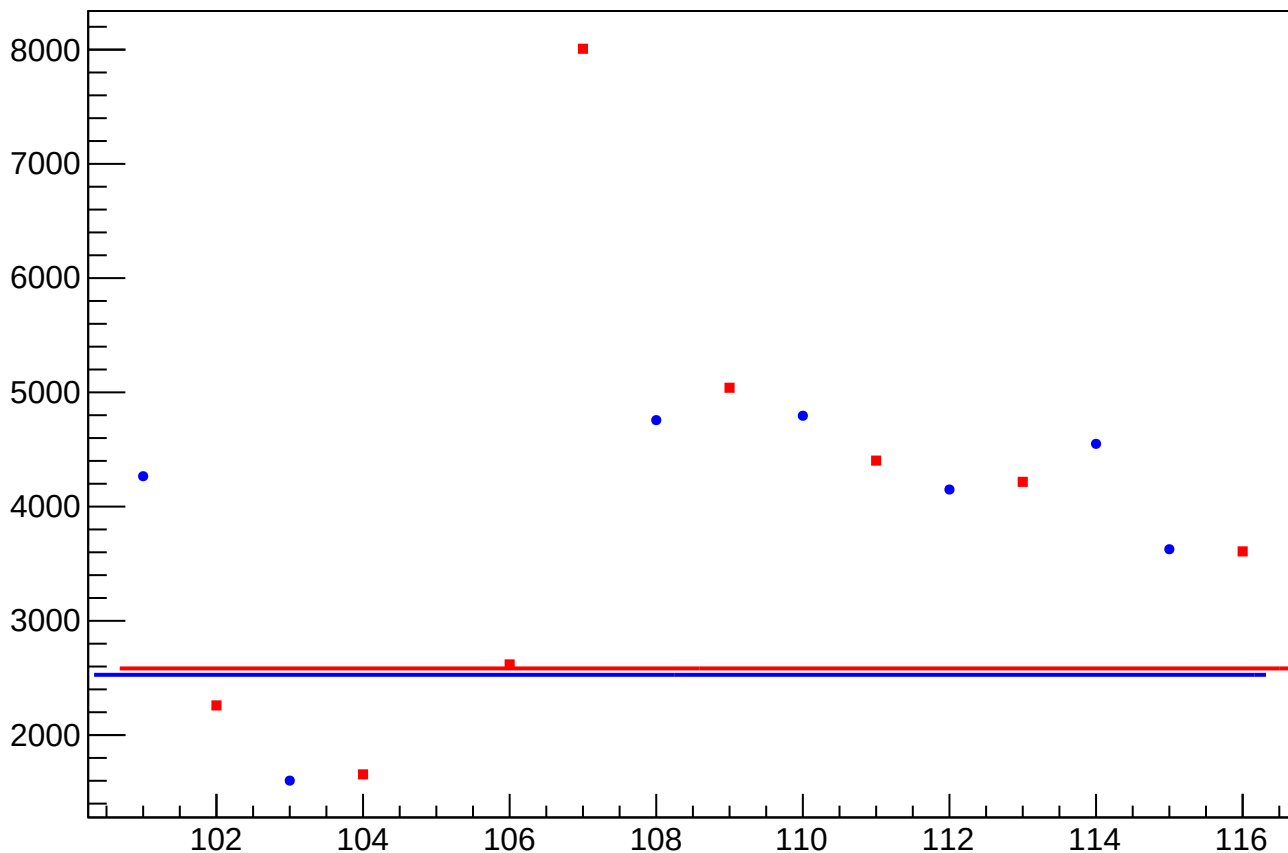
Right: 1120.301+/-1216.735  $\chi^2/\text{NDF}$ : 22.1/14

In: 2127.655+/-1780.000  $\chi^2/\text{NDF}$ : 8.8/6

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

All: 1120.301+/-1216.735  $\chi^2/\text{NDF}$ : 22.1/14

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



Right In: 2527.492+/-1.259  $\chi^2/\text{NDF}$ : 1083188.3/6

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

Right Out: 2583.284+/-1.150  $\chi^2/\text{NDF}$ : 1198928.3/7

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

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

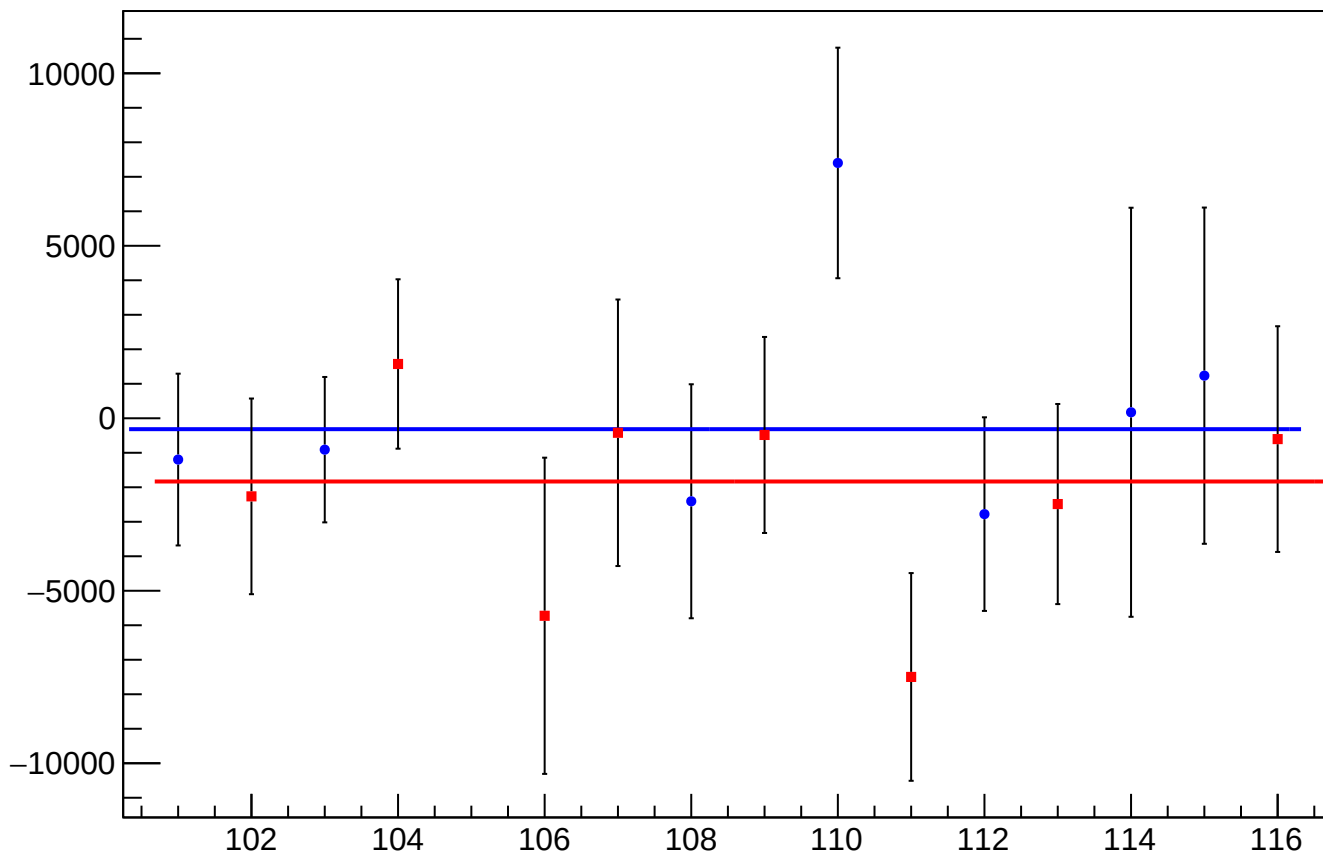
Right: 2557.887+/-0.849  $\chi^2/\text{NDF}$ : 2283187.1/14

In: 2527.492+/-1.259  $\chi^2/\text{NDF}$ : 1083188.3/6

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

All: 2557.887+/-0.849  $\chi^2/\text{NDF}$ : 2283187.1/14

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



Right In: -315.827+/-1146.703  $\chi^2/\text{NDF}$ : 6.8/6

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

Right Out: -1832.542+/-1083.814  $\chi^2/\text{NDF}$ : 6.8/7

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

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

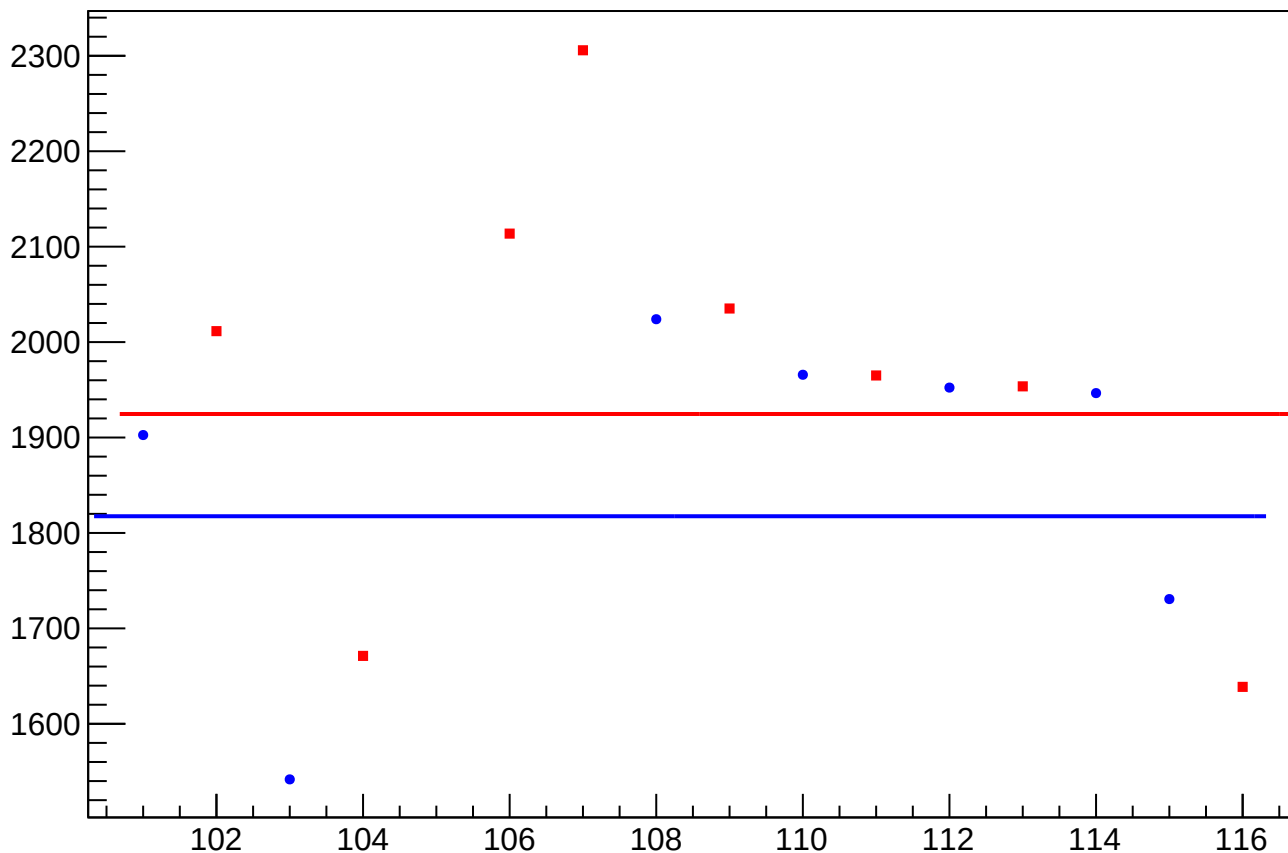
Right: -1116.913+/-787.667  $\chi^2/\text{NDF}$ : 14.5/14

In: -315.827+/-1146.703  $\chi^2/\text{NDF}$ : 6.8/6

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

All: -1116.913+/-787.667  $\chi^2/\text{NDF}$ : 14.5/14

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



Right In: 1817.515+/-0.811  $\chi^2/\text{NDF}$ : 54119.8/6

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

Right Out: 1924.656+/-0.762  $\chi^2/\text{NDF}$ : 65622.7/7

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

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

Right: 1874.407+/-0.555  $\chi^2/\text{NDF}$ : 129013.8/14

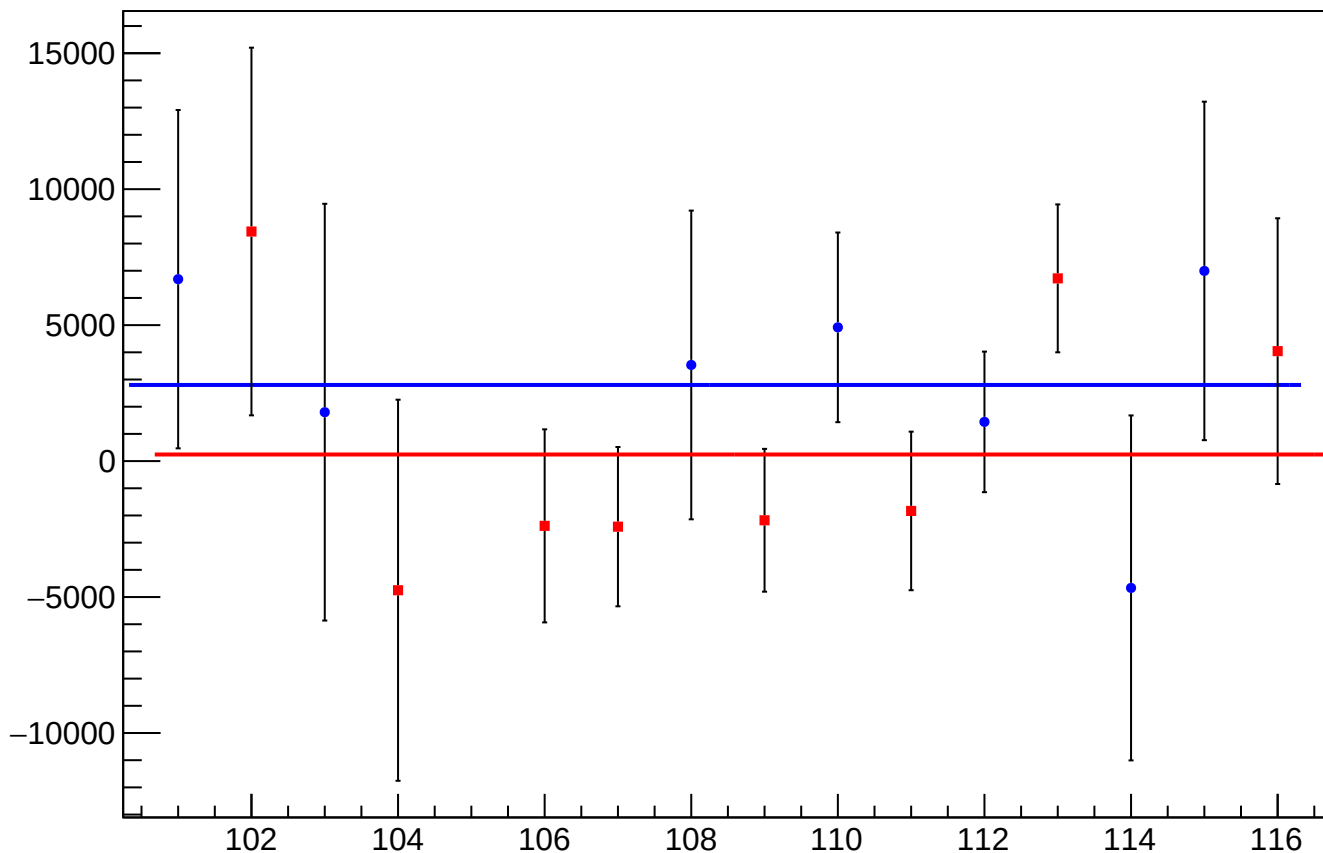
In: 1817.515+/-0.811  $\chi^2/\text{NDF}$ : 54119.8/6

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

All: 1874.407+/-0.555  $\chi^2/\text{NDF}$ : 129013.8/14



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



Right In: 2799.849+/-1675.044  $\chi^2/\text{NDF}$ : 2.9/6

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

Right Out: 242.248+/-1214.601  $\chi^2/\text{NDF}$ : 11.0/7

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

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

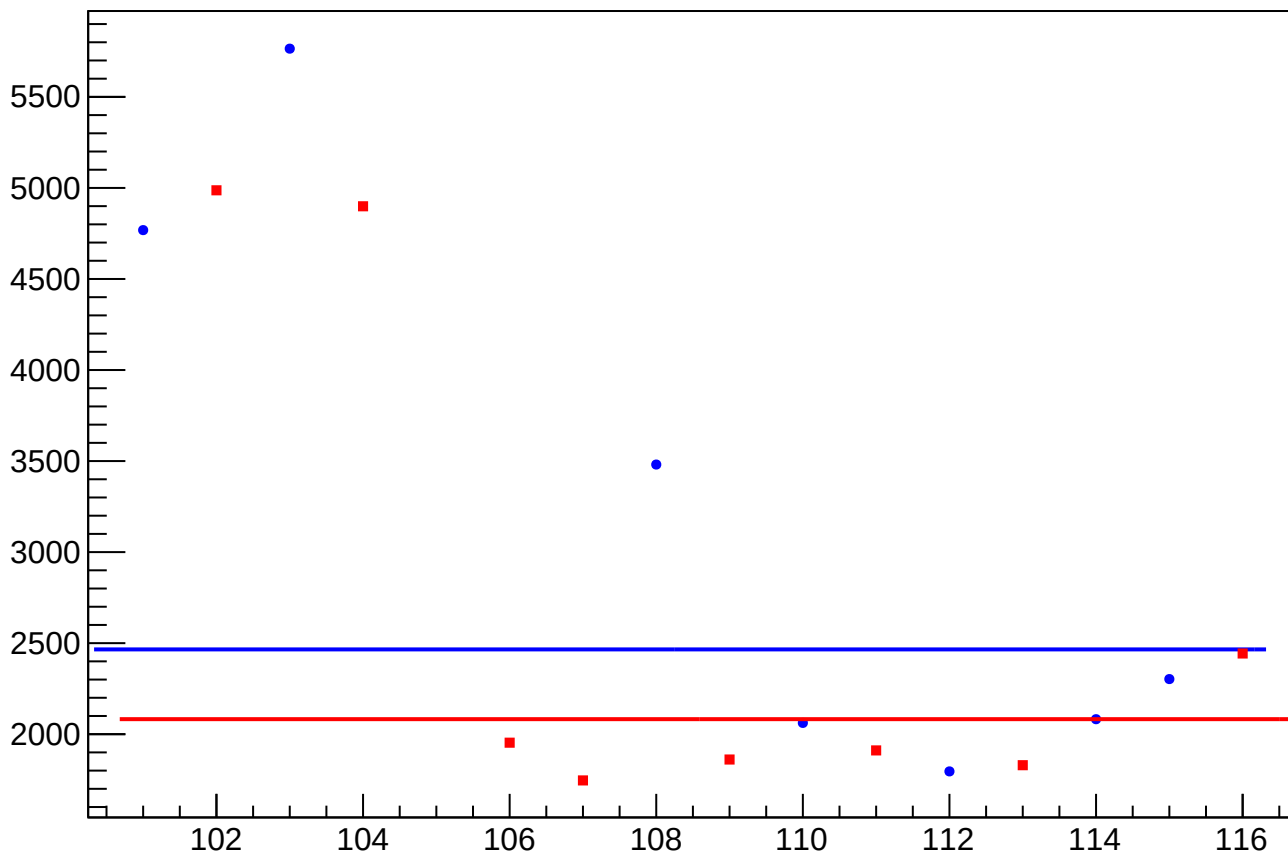
Right: 1123.605+/-983.299  $\chi^2/\text{NDF}$ : 15.4/14

In: 2799.849+/-1675.044  $\chi^2/\text{NDF}$ : 2.9/6

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

All: 1123.605+/-983.299  $\chi^2/\text{NDF}$ : 15.4/14

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



Right In: 2465.645+/-1.184  $\chi^2/\text{NDF}$ : 878424.0/6

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

Right Out: 2082.582+/-0.859  $\chi^2/\text{NDF}$ : 770590.3/7

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

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

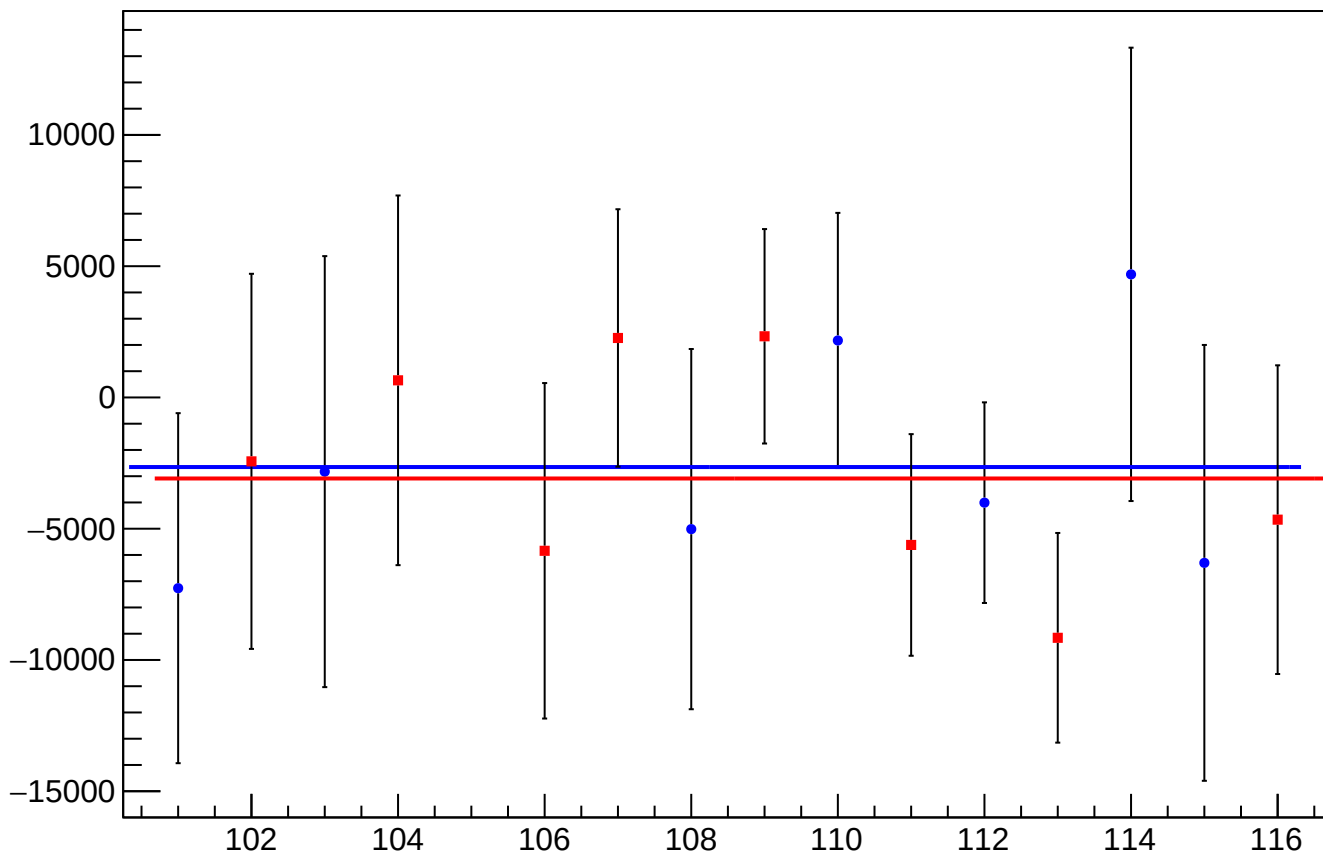
Right: 2214.587+/-0.695  $\chi^2/\text{NDF}$ : 1717566.8/14

In: 2465.645+/-1.184  $\chi^2/\text{NDF}$ : 878424.0/6

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

All: 2214.587+/-0.695  $\chi^2/\text{NDF}$ : 1717566.8/14

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



Right In: -2650.764+/-2251.188  $\chi^2/\text{NDF}$ : 2.6/6

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

Right Out: -3086.723+/-1785.957  $\chi^2/\text{NDF}$ : 6.2/7

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

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

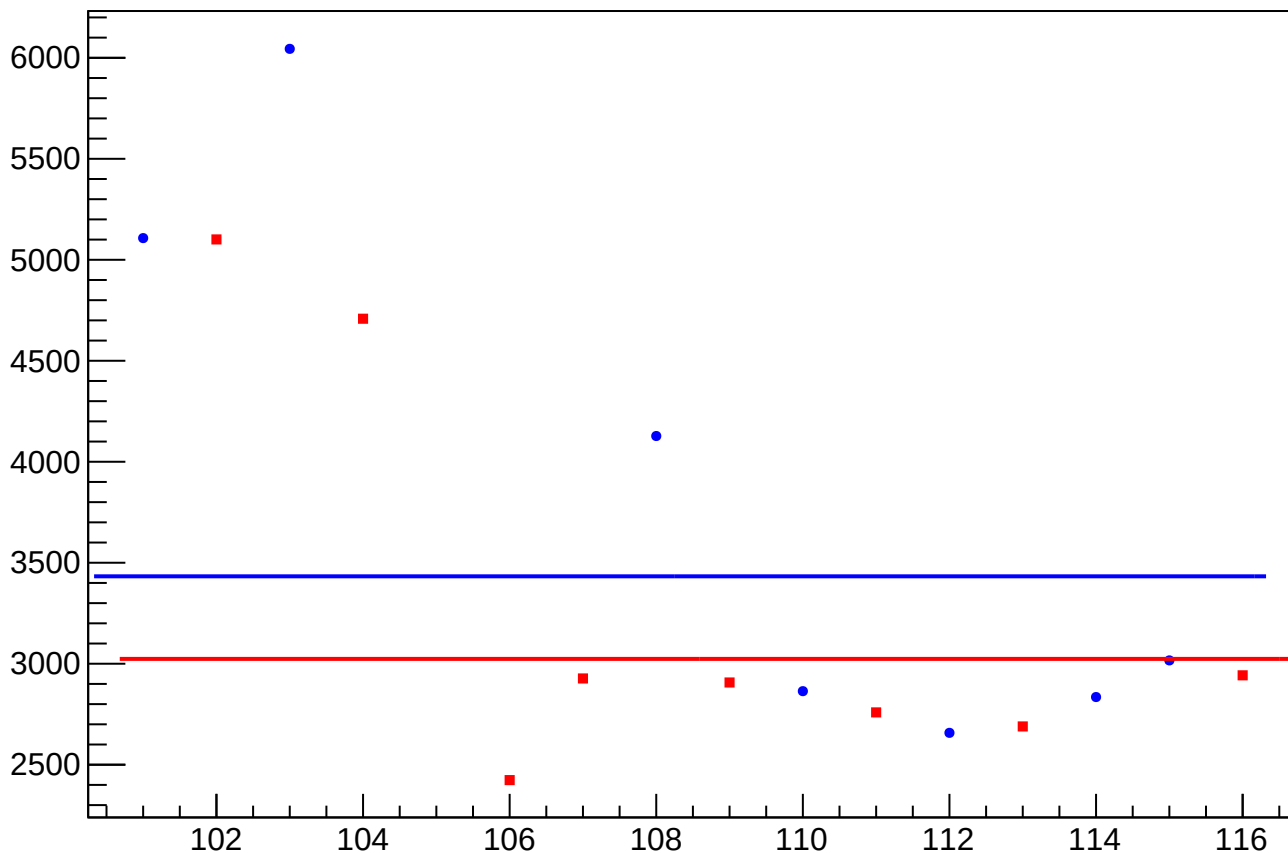
Right: -2918.324+/-1399.132  $\chi^2/\text{NDF}$ : 8.8/14

In: -2650.764+/-2251.188  $\chi^2/\text{NDF}$ : 2.6/6

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

All: -2918.324+/-1399.132  $\chi^2/\text{NDF}$ : 8.8/14

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



Right In: 3432.771+/-1.592  $\chi^2/\text{NDF}$ : 473426.1/6

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

Right Out: 3023.954+/-1.228  $\chi^2/\text{NDF}$ : 338690.0/7

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

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

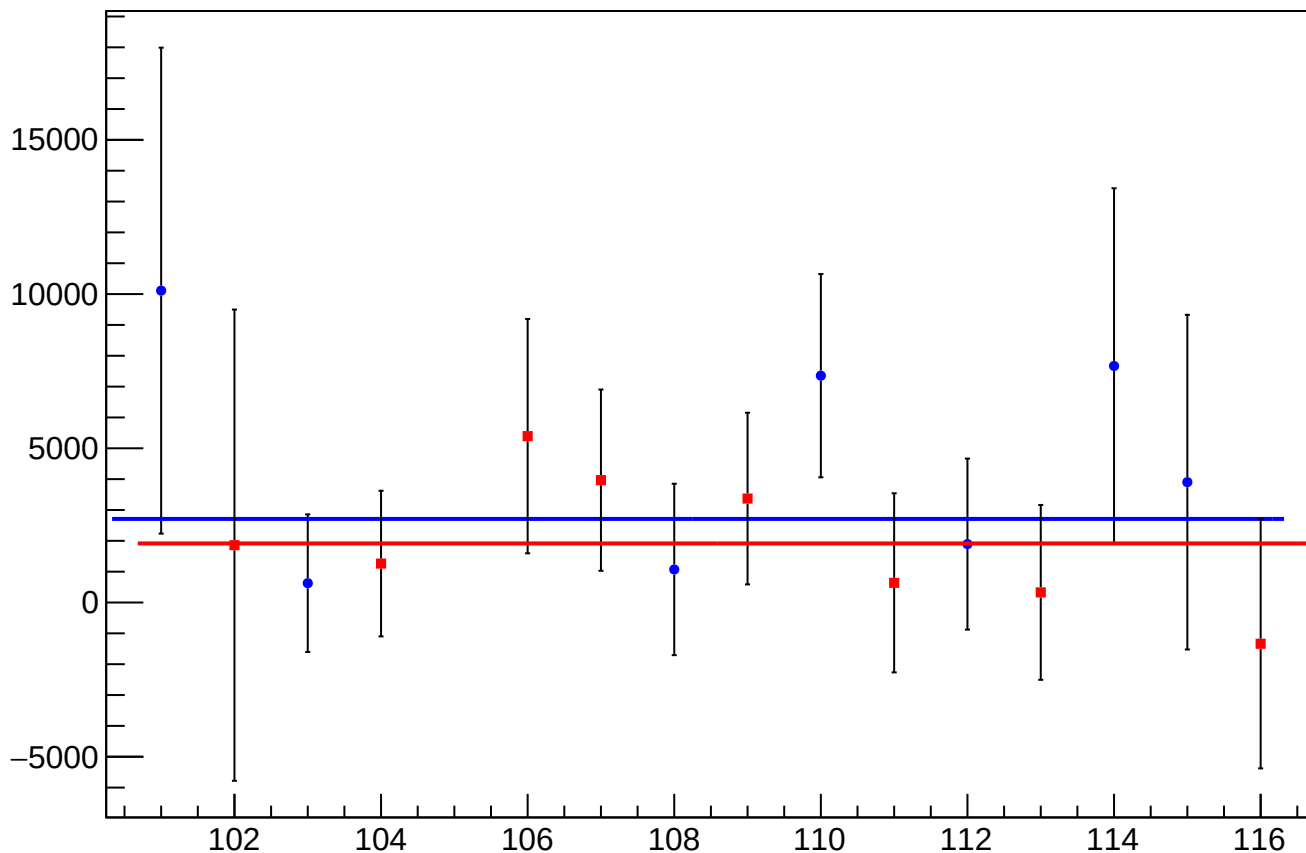
Right: 3176.529+/-0.972  $\chi^2/\text{NDF}$ : 853458.7/14

In: 3432.771+/-1.592  $\chi^2/\text{NDF}$ : 473426.1/6

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

All: 3176.529+/-0.972  $\chi^2/\text{NDF}$ : 853458.7/14

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



Right In: 2710.373+/-1257.109  $\chi^2/\text{NDF}$ : 5.0/6

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

Right Out: 1915.724+/-1107.698  $\chi^2/\text{NDF}$ : 2.8/7

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

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

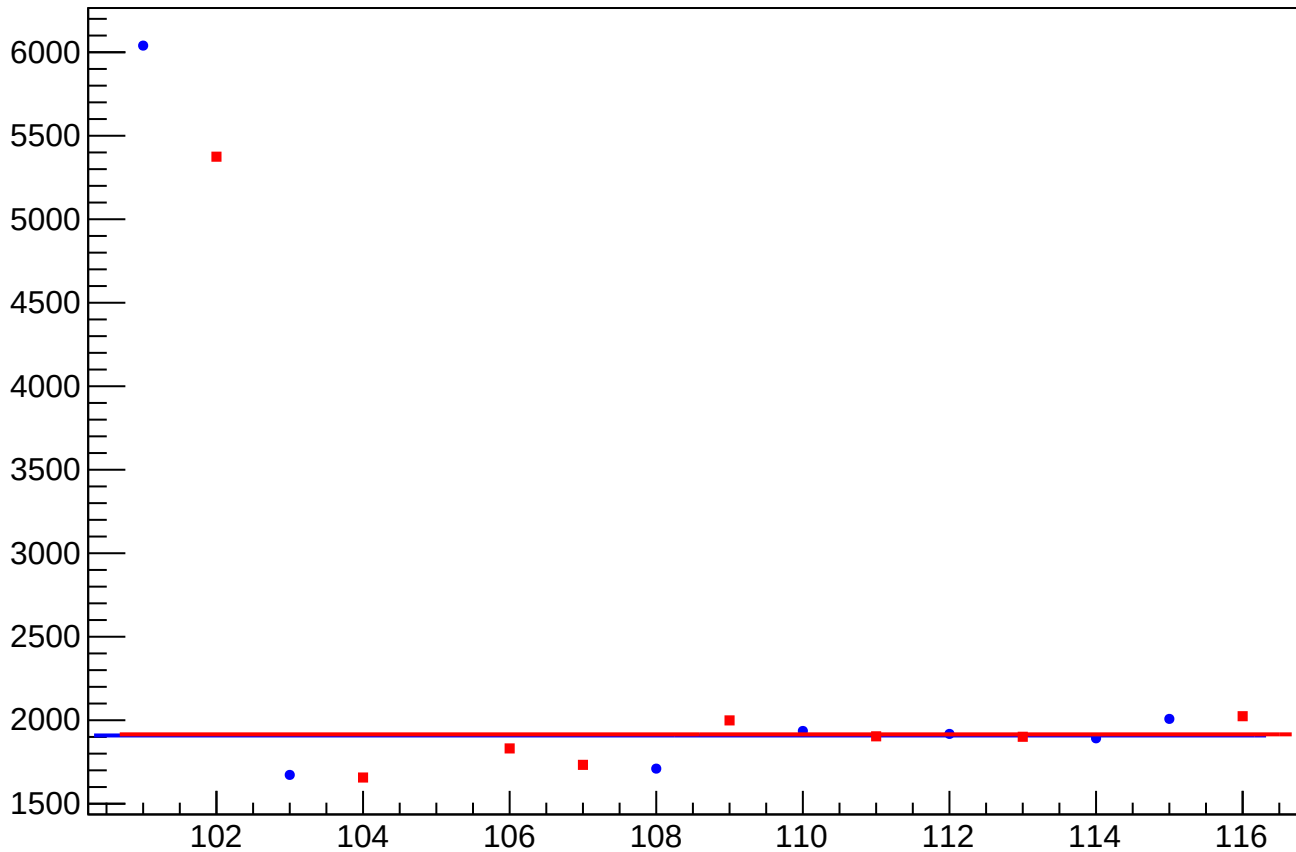
Right: 2263.041+/-831.091  $\chi^2/\text{NDF}$ : 8.0/14

In: 2710.373+/-1257.109  $\chi^2/\text{NDF}$ : 5.0/6

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

All: 2263.041+/-831.091  $\chi^2/\text{NDF}$ : 8.0/14

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



Right In: 1908.798+/-0.889  $\chi^2/\text{NDF}$ : 583409.2/6

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

Right Out: 1915.497+/-0.782  $\chi^2/\text{NDF}$ : 446315.4/7

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

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

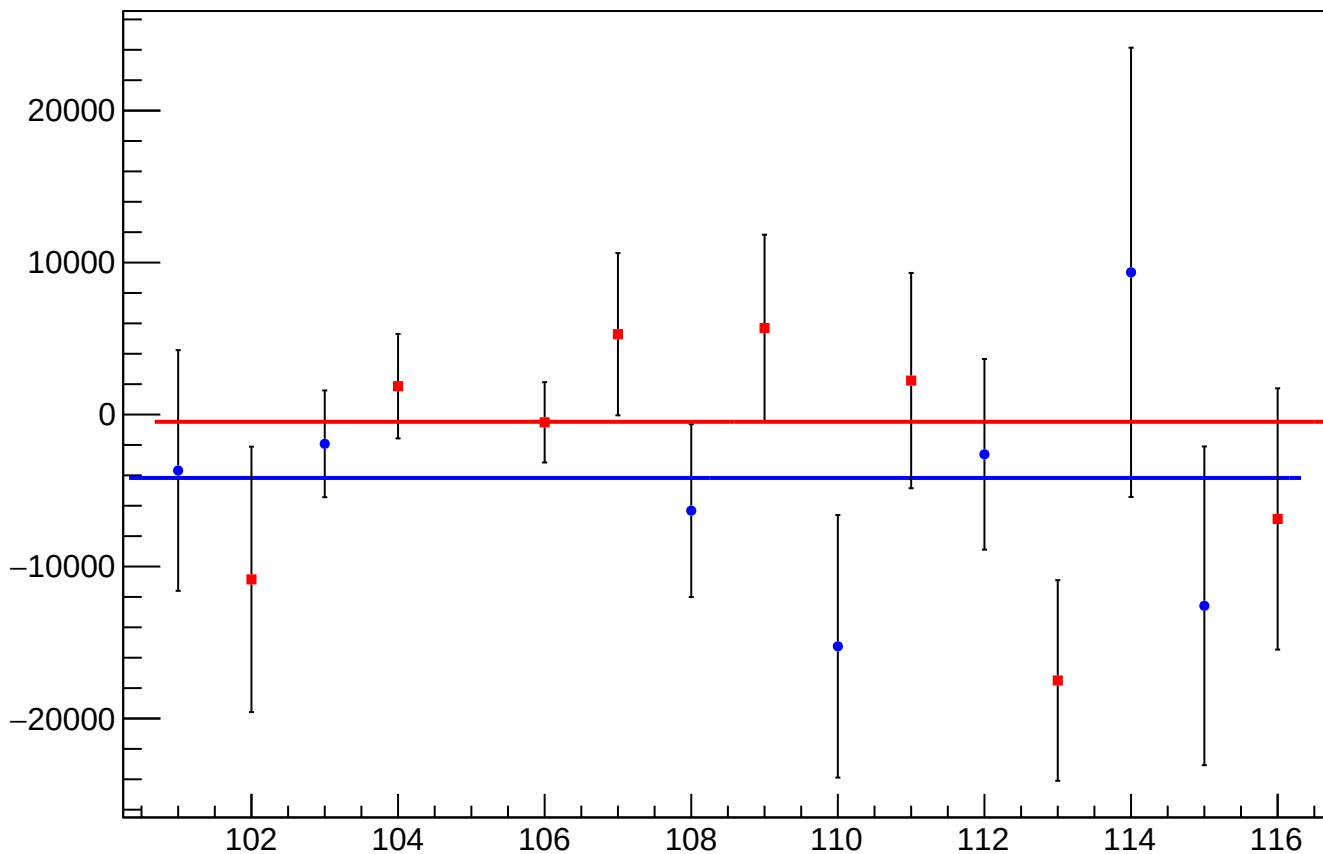
Right: 1912.573+/-0.587  $\chi^2/\text{NDF}$ : 1029756.6/14

In: 1908.798+/-0.889  $\chi^2/\text{NDF}$ : 583409.2/6

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

All: 1912.573+/-0.587  $\chi^2/\text{NDF}$ : 1029756.6/14

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



Right In: -4171.620+/-2354.333  $\chi^2/\text{NDF}$ : 3.7/6

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

Right Out: -476.634+/-1669.331  $\chi^2/\text{NDF}$ : 11.4/7

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

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

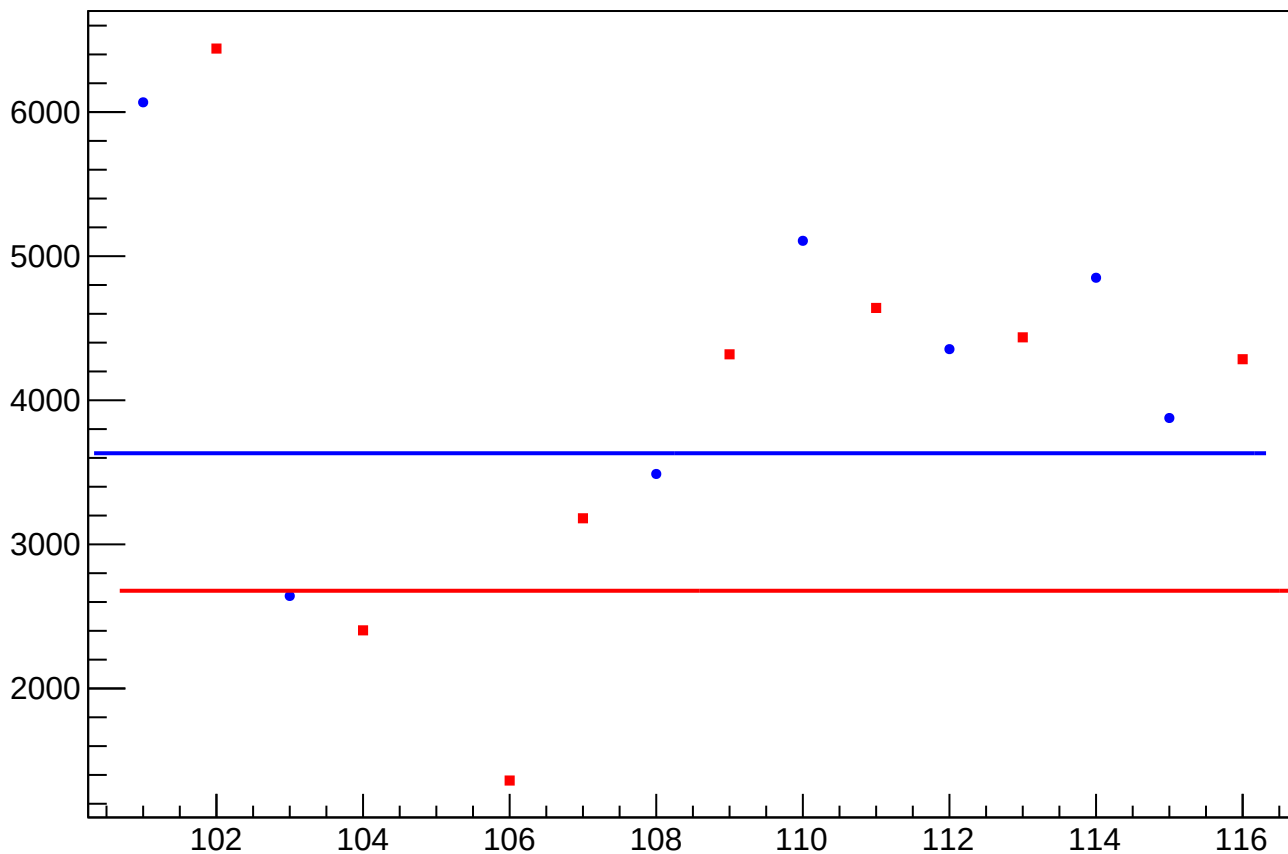
Right: -1712.798+/-1361.757  $\chi^2/\text{NDF}$ : 16.8/14

In: -4171.620+/-2354.333  $\chi^2/\text{NDF}$ : 3.7/6

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

All: -1712.798+/-1361.757  $\chi^2/\text{NDF}$ : 16.8/14

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



Right In: 3632.434+/-1.665  $\chi^2/\text{NDF}$ : 448834.8/6

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

Right Out: 2678.106+/-1.180  $\chi^2/\text{NDF}$ : 1406643.8/7

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

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

Right: 2997.378+/-0.963  $\chi^2/\text{NDF}$ : 2074156.0/14

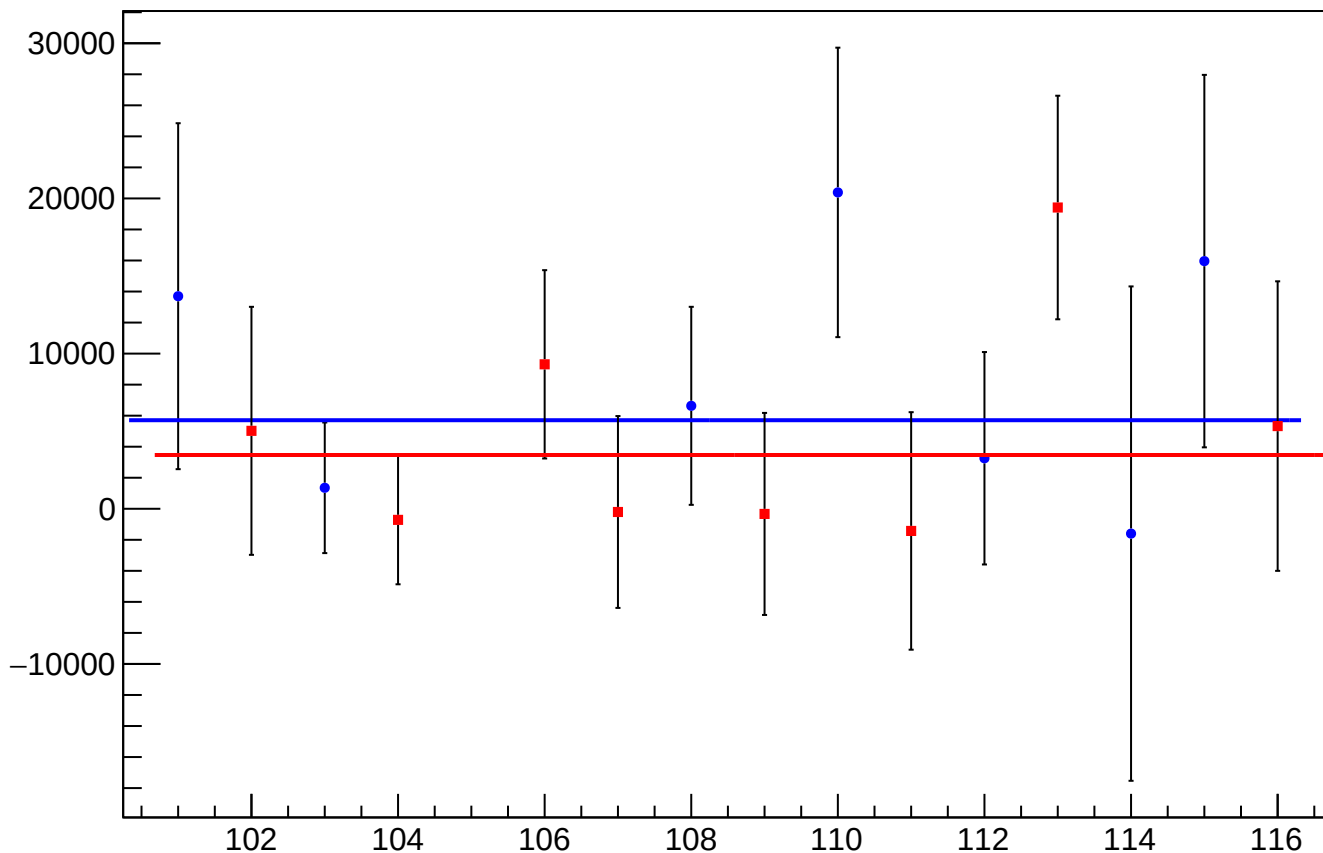
In: 3632.434+/-1.665  $\chi^2/\text{NDF}$ : 448834.8/6

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

All: 2997.378+/-0.963  $\chi^2/\text{NDF}$ : 2074156.0/14



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



Right In: 5707.240+/-2744.266  $\chi^2/\text{NDF}$ : 5.2/6

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

Right Out: 3465.882+/-2244.925  $\chi^2/\text{NDF}$ : 8.0/7

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

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

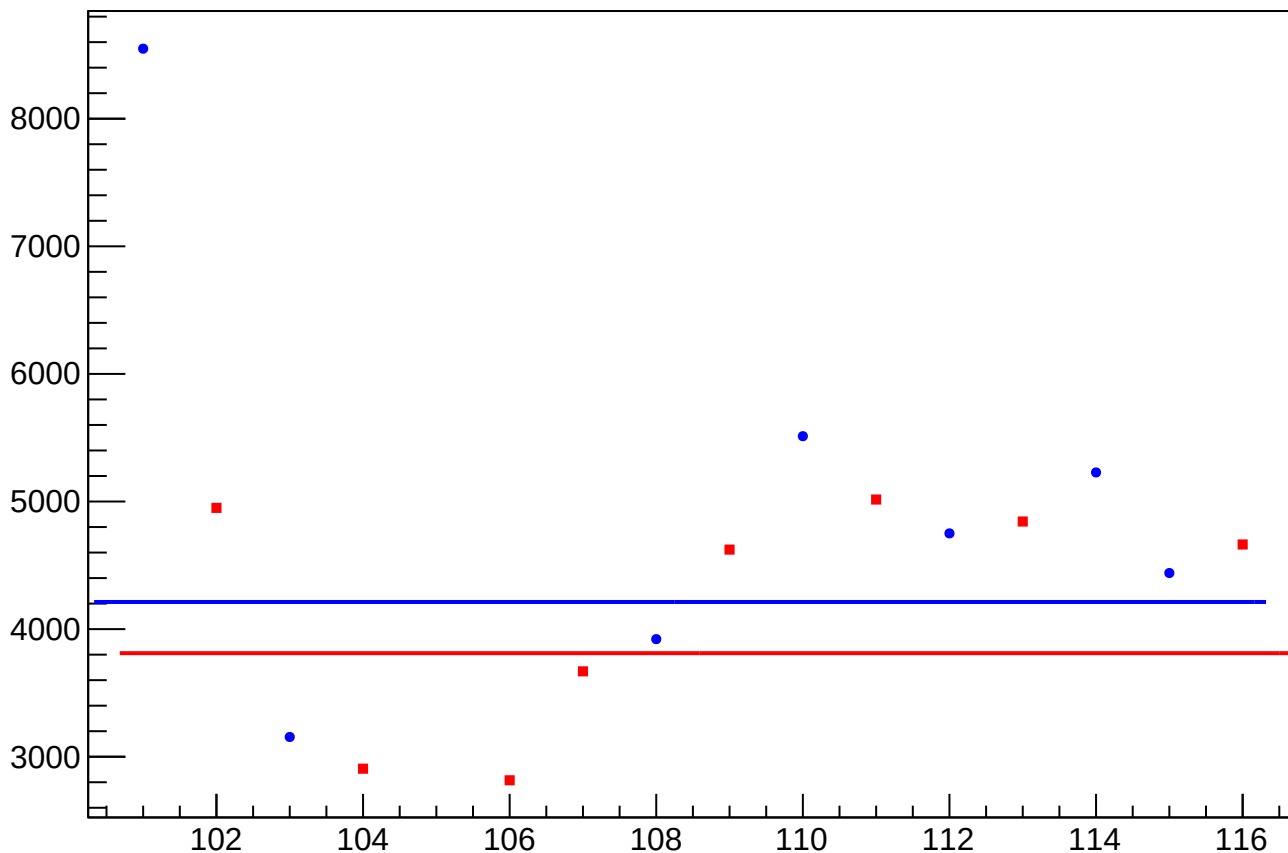
Right: 4364.460+/-1737.595  $\chi^2/\text{NDF}$ : 13.6/14

In: 5707.240+/-2744.266  $\chi^2/\text{NDF}$ : 5.2/6

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

All: 4364.460+/-1737.595  $\chi^2/\text{NDF}$ : 13.6/14

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



Right In: 4212.717+/-1.940  $\chi^2/\text{NDF}$ : 493148.9/6

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

Right Out: 3811.559+/-1.572  $\chi^2/\text{NDF}$ : 336741.6/7

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

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

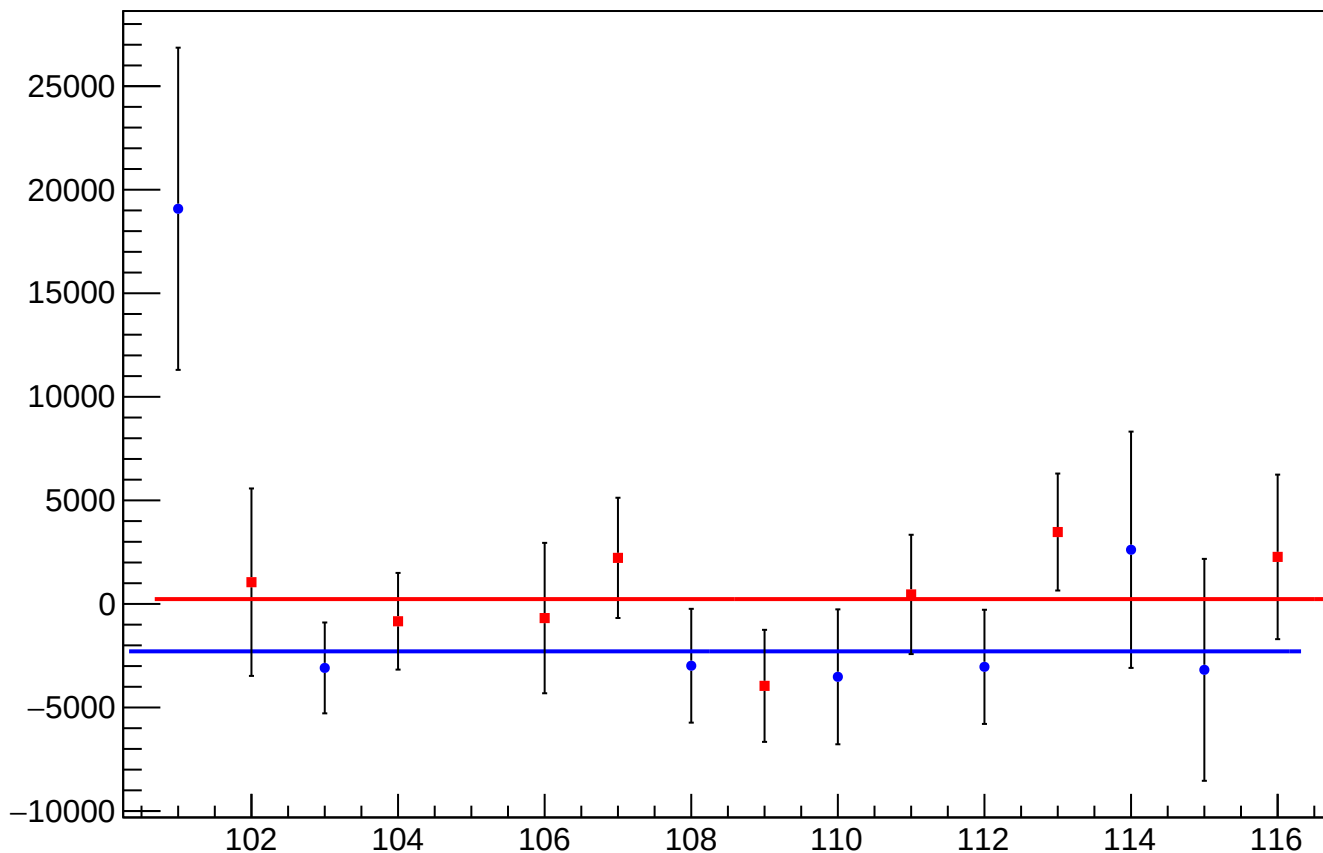
Right: 3970.508+/-1.221  $\chi^2/\text{NDF}$ : 855694.2/14

In: 4212.717+/-1.940  $\chi^2/\text{NDF}$ : 493148.9/6

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

All: 3970.508+/-1.221  $\chi^2/\text{NDF}$ : 855694.2/14

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



Right In: -2289.168+/-1241.976  $\chi^2/\text{NDF}$ : 8.7/6

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

Right Out: 233.620+/-1070.340  $\chi^2/\text{NDF}$ : 4.8/7

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

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

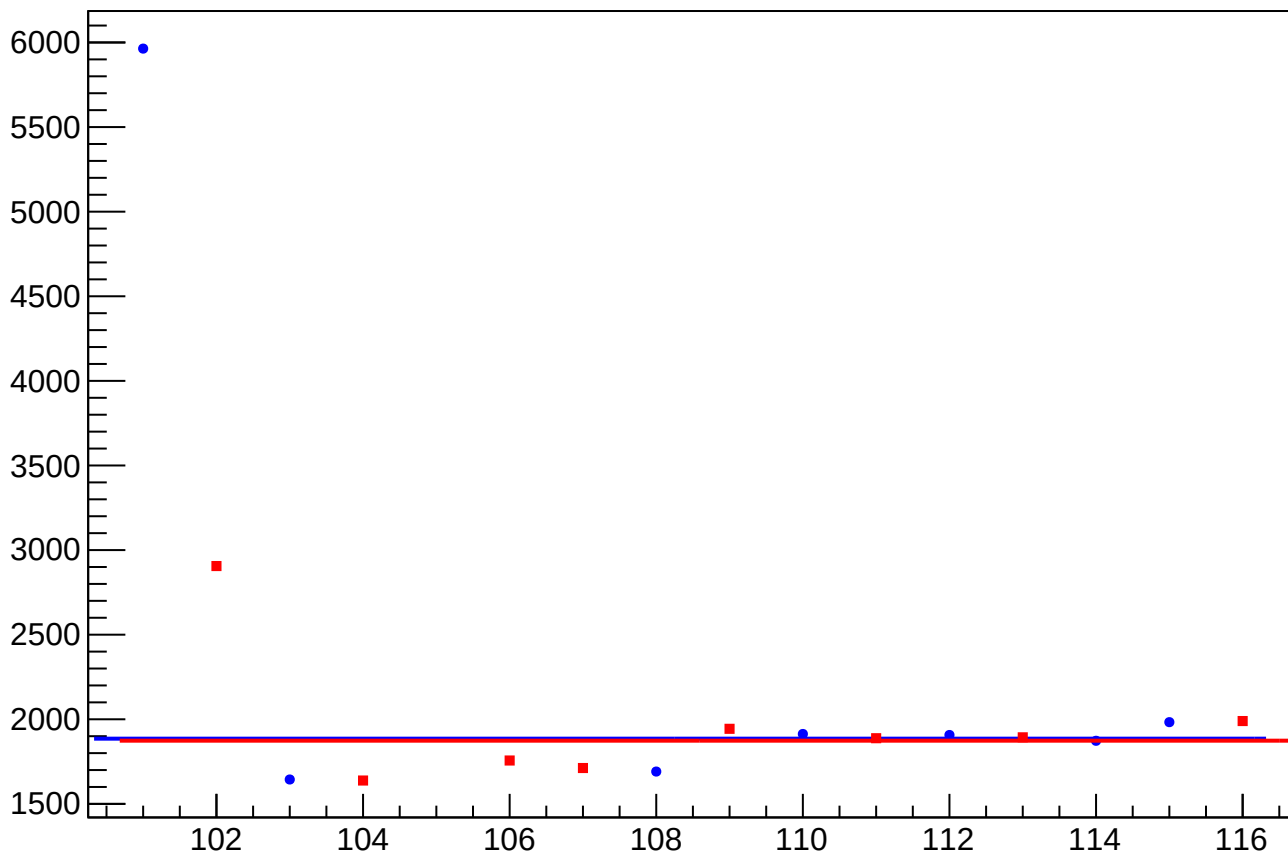
Right: -841.541+/-810.792  $\chi^2/\text{NDF}$ : 15.9/14

In: -2289.168+/-1241.976  $\chi^2/\text{NDF}$ : 8.7/6

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

All: -841.541+/-810.792  $\chi^2/\text{NDF}$ : 15.9/14

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



Right In: 1885.463+/-0.878  $\chi^2/\text{NDF}$ : 584930.3/6

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

Right Out: 1873.576+/-0.756  $\chi^2/\text{NDF}$ : 135950.1/7

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

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

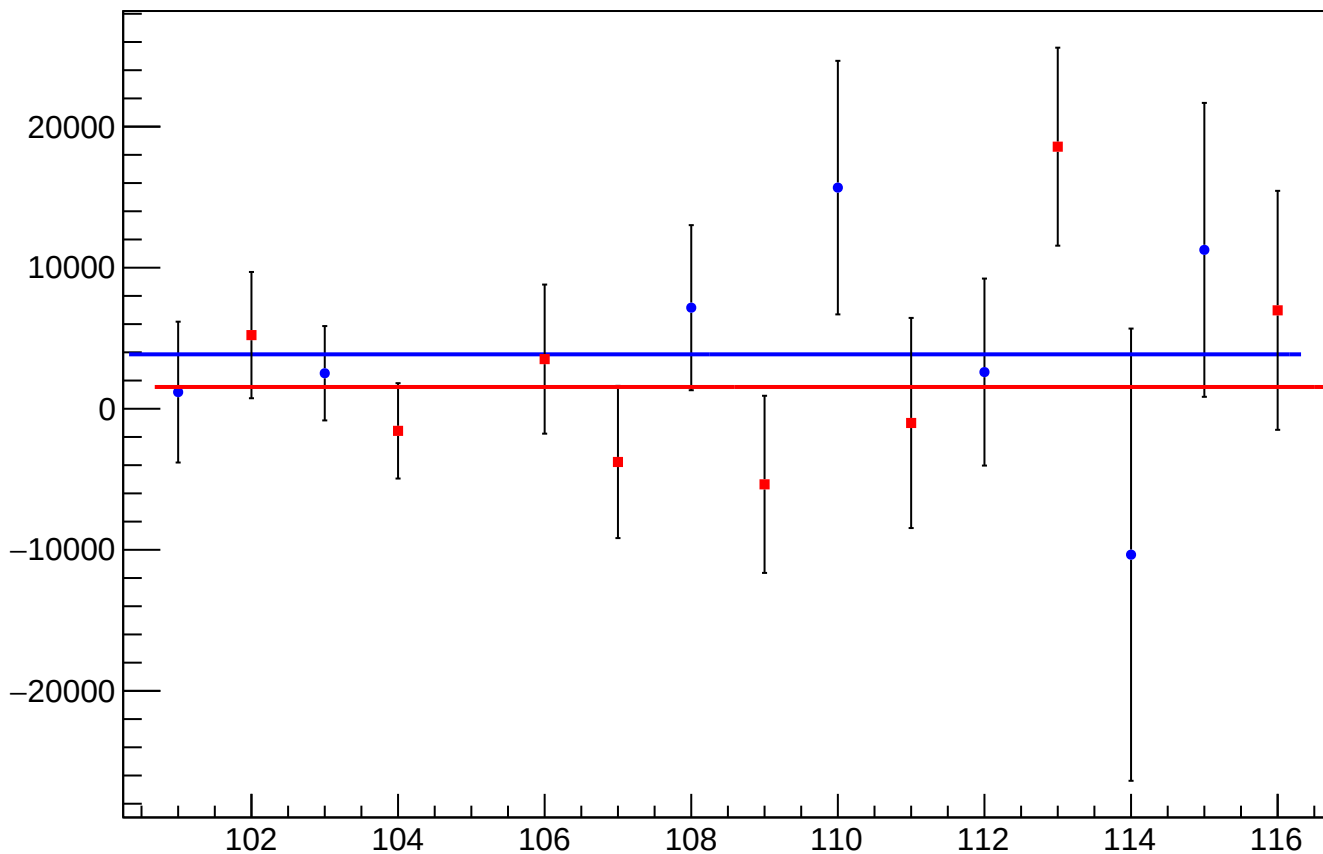
Right: 1878.633+/-0.573  $\chi^2/\text{NDF}$ : 720985.7/14

In: 1885.463+/-0.878  $\chi^2/\text{NDF}$ : 584930.3/6

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

All: 1878.633+/-0.573  $\chi^2/\text{NDF}$ : 720985.7/14

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



Right In: 3857.999 $\pm$ 2198.125  $\chi^2$ /NDF: 3.8/6

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

Right Out: 1543.890 $\pm$ 1872.608  $\chi^2$ /NDF: 10.3/7

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

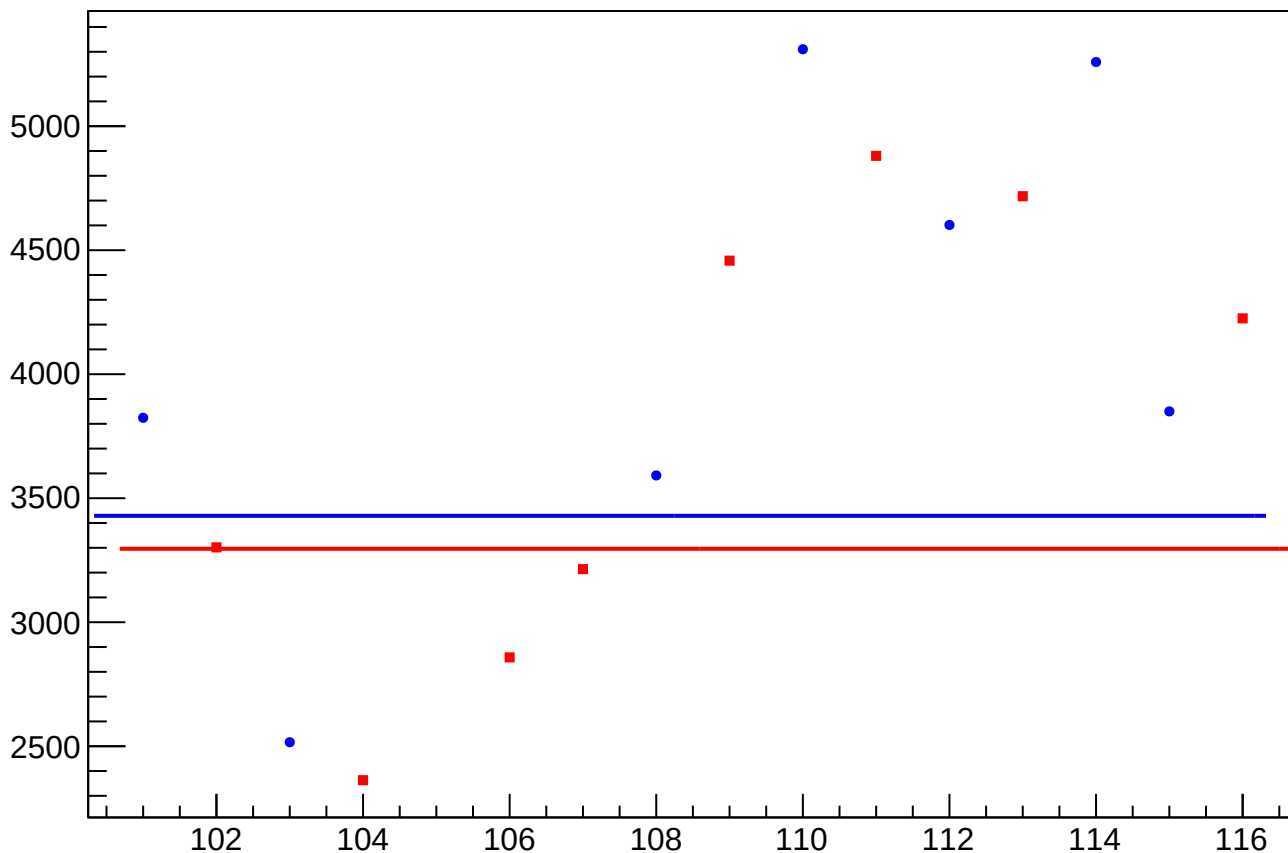
Right: 2517.072 $\pm$ 1425.468  $\chi^2$ /NDF: 14.7/14

In: 3857.999 $\pm$ 2198.125  $\chi^2$ /NDF:3.8/6

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

All: 2517.072 $\pm$ 1425.468  $\chi^2$ /NDF: 14.7/14

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



Right In: 3428.991+/-1.554  $\chi^2/\text{NDF}$ : 342642.4/6

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

Right Out: 3296.035+/-1.324  $\chi^2/\text{NDF}$ : 431569.5/7

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

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

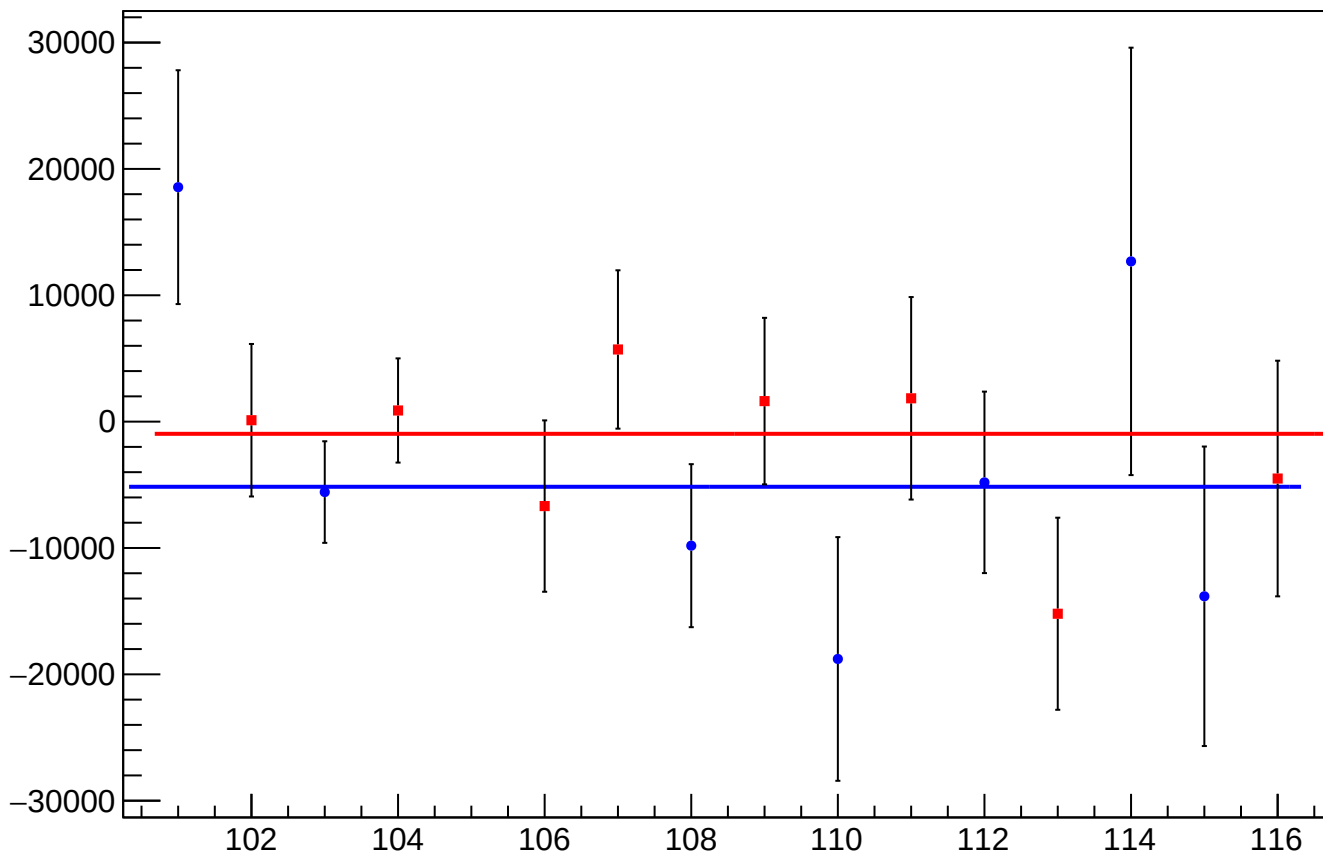
Right: 3351.949+/-1.008  $\chi^2/\text{NDF}$ : 778451.8/14

In: 3428.991+/-1.554  $\chi^2/\text{NDF}$ : 342642.4/6

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

All: 3351.949+/-1.008  $\chi^2/\text{NDF}$ : 778451.8/14

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



Right In: -5156.171+/-2688.497  $\chi^2/\text{NDF}$ : 10.7/6

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

Right Out: -964.401+/-2231.116  $\chi^2/\text{NDF}$ : 6.0/7

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

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

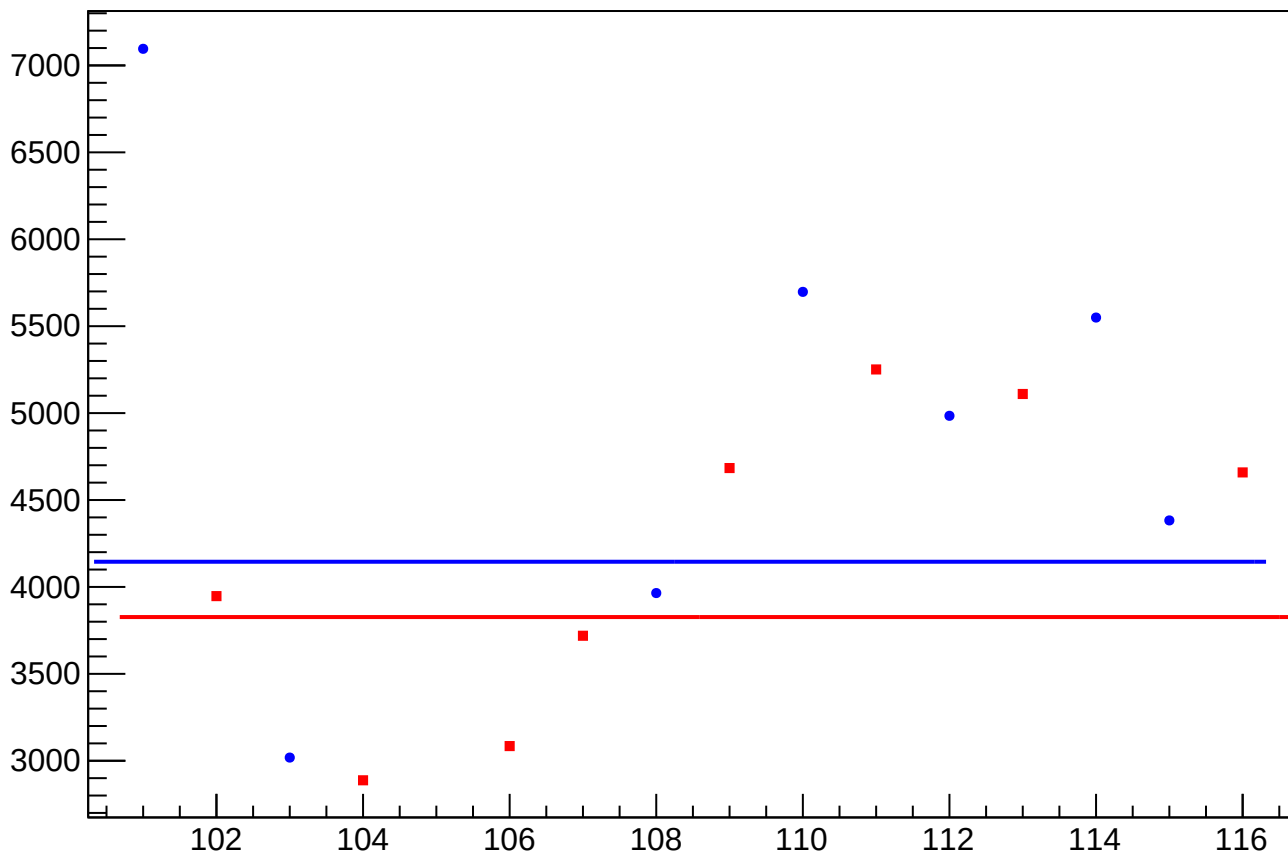
Right: -2673.913+/-1716.907  $\chi^2/\text{NDF}$ : 18.2/14

In: -5156.171+/-2688.497  $\chi^2/\text{NDF}$ : 10.7/6

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

All: -2673.913+/-1716.907  $\chi^2/\text{NDF}$ : 18.2/14

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



Right In: 4144.947+/-1.901  $\chi^2/\text{NDF}$ : 455768.0/6

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

Right Out: 3826.767+/-1.562  $\chi^2/\text{NDF}$ : 303325.9/7

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

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

Right: 3955.048+/-1.207  $\chi^2/\text{NDF}$ : 775812.7/14

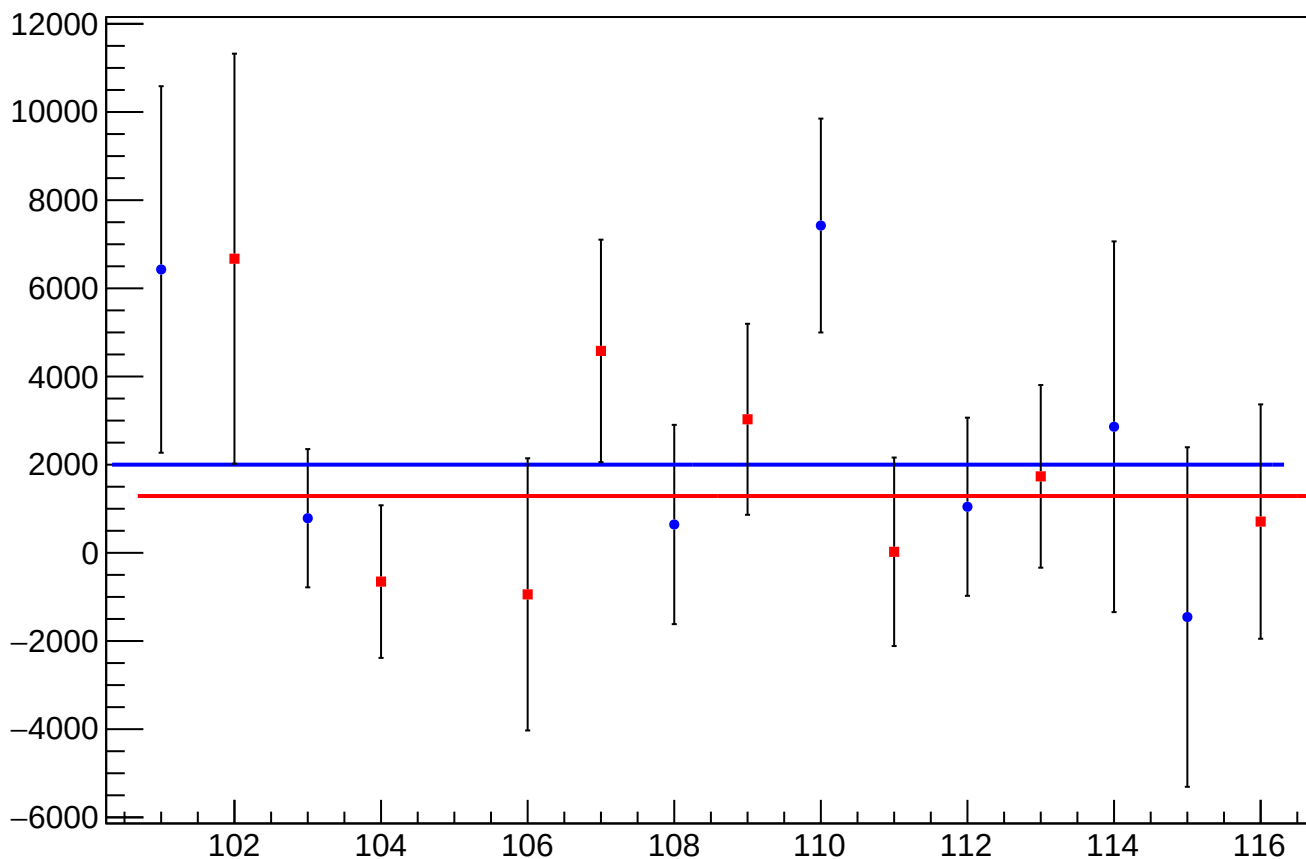
In: 4144.947+/-1.901  $\chi^2/\text{NDF}$ : 455768.0/6

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

All: 3955.048+/-1.207  $\chi^2/\text{NDF}$ : 775812.7/14



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



Right In: 2000.457+/-913.235  $\chi^2/\text{NDF}$ : 8.2/6

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

Right Out: 1289.010+/-830.979  $\chi^2/\text{NDF}$ : 5.9/7

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

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

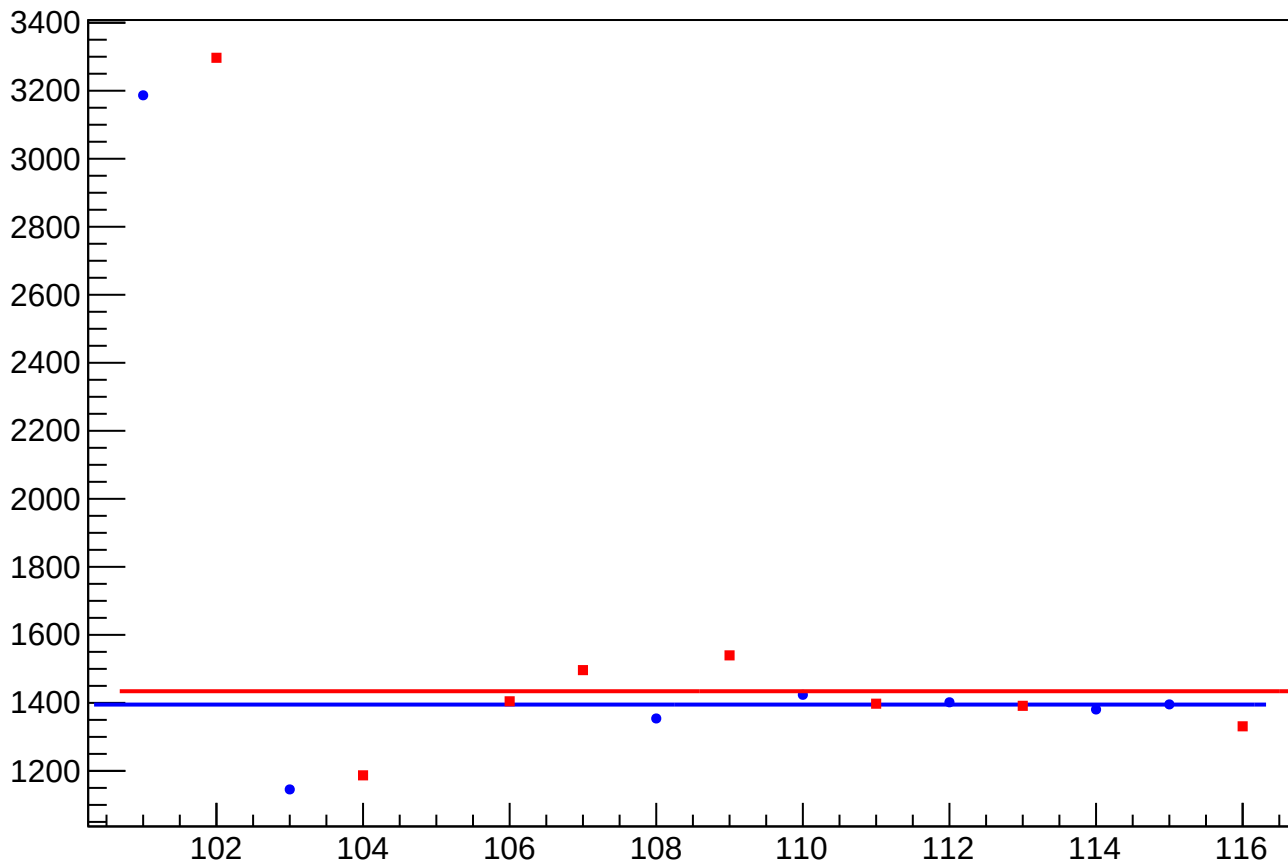
Right: 1611.256+/-614.618  $\chi^2/\text{NDF}$ : 14.4/14

In: 2000.457+/-913.235  $\chi^2/\text{NDF}$ : 8.2/6

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

All: 1611.256+/-614.618  $\chi^2/\text{NDF}$ : 14.4/14

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



Right In: 1395.013+/-0.646  $\chi^2/\text{NDF}$ : 423093.6/6

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

Right Out: 1434.262+/-0.587  $\chi^2/\text{NDF}$ : 372265.1/7

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

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

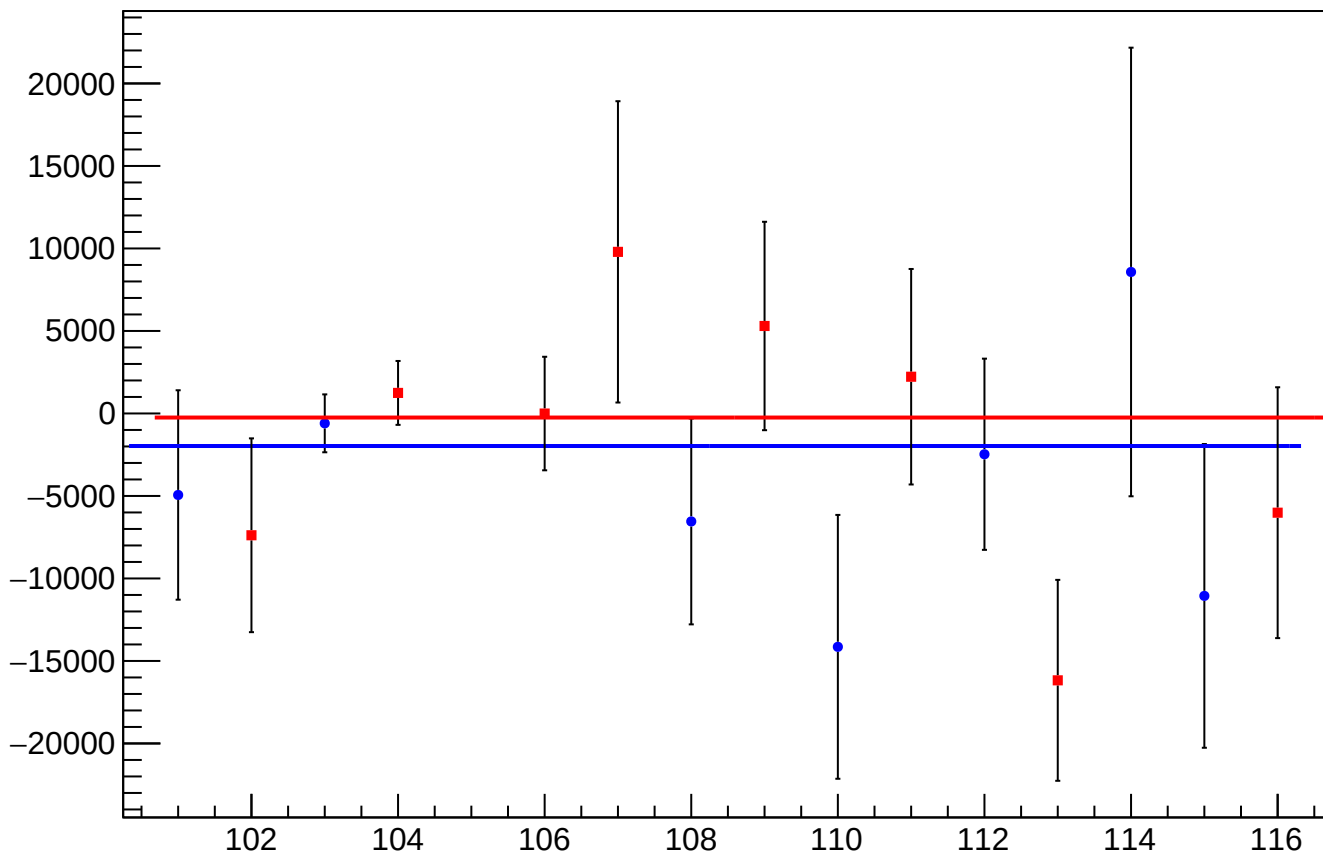
Right: 1416.505+/-0.434  $\chi^2/\text{NDF}$ : 797381.7/14

In: 1395.013+/-0.646  $\chi^2/\text{NDF}$ : 423093.6/6

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

All: 1416.505+/-0.434  $\chi^2/\text{NDF}$ : 797381.7/14

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



Right In: -1973.071+/-1510.854  $\chi^2/\text{NDF}$ : 5.3/6

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

Right Out: -247.477+/-1435.732  $\chi^2/\text{NDF}$ : 11.6/7

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

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

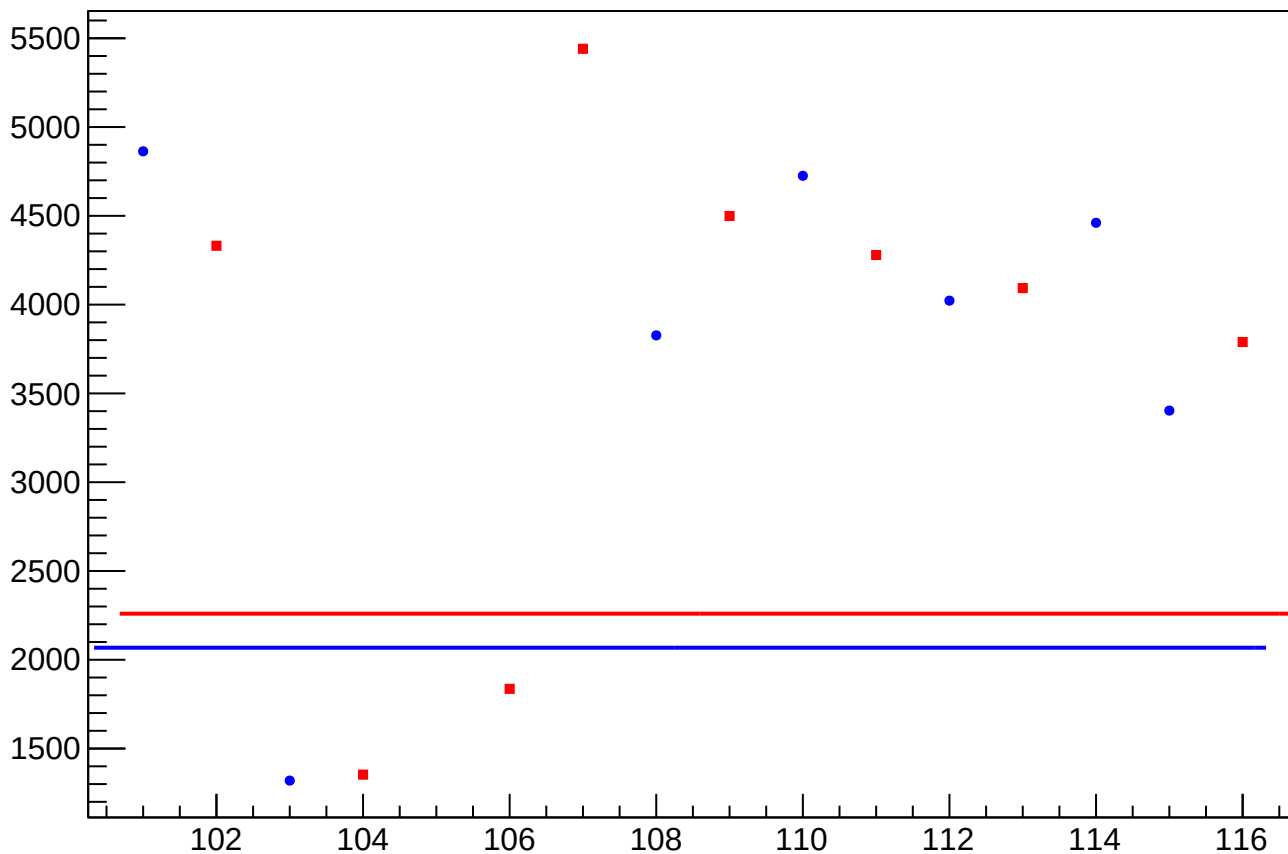
Right: -1066.309+/-1040.760  $\chi^2/\text{NDF}$ : 17.6/14

In: -1973.071+/-1510.854  $\chi^2/\text{NDF}$ : 5.3/6

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

All: -1066.309+/-1040.760  $\chi^2/\text{NDF}$ : 17.6/14

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



Right In: 2067.904+/-1.068  $\chi^2/\text{NDF}$ : 1463438.4/6

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

Right Out: 2259.671+/-1.015  $\chi^2/\text{NDF}$ : 1665617.7/7

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

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

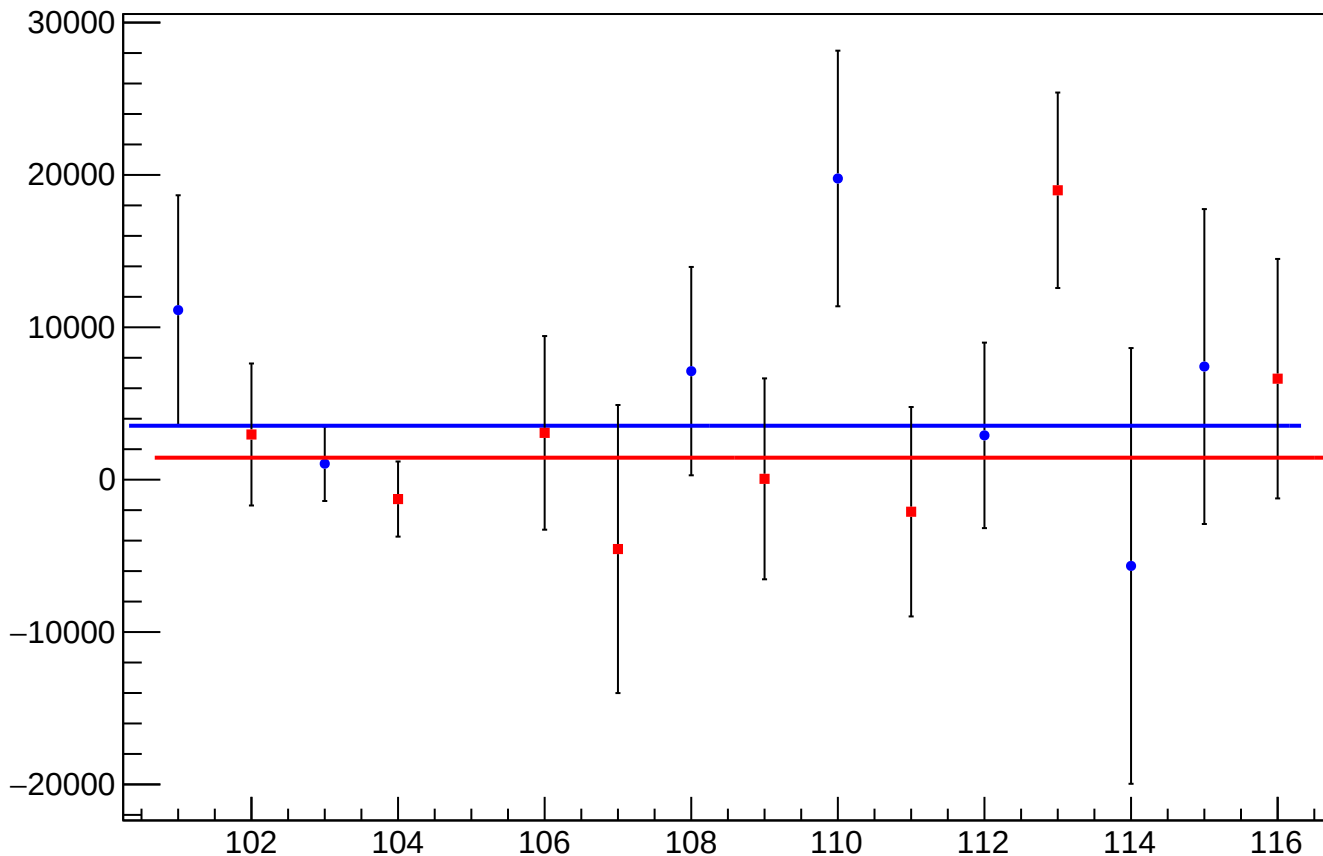
Right: 2168.674+/-0.736  $\chi^2/\text{NDF}$ : 3145987.2/14

In: 2067.904+/-1.068  $\chi^2/\text{NDF}$ :1463438.4/6

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

All: 2168.674+/-0.736  $\chi^2/\text{NDF}$ : 3145987.2/14

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



Right In: 3539.637+/-1956.568  $\chi^2/\text{NDF}$ : 6.6/6

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

Right Out: 1443.417+/-1737.598  $\chi^2/\text{NDF}$ : 10.0/7

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

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

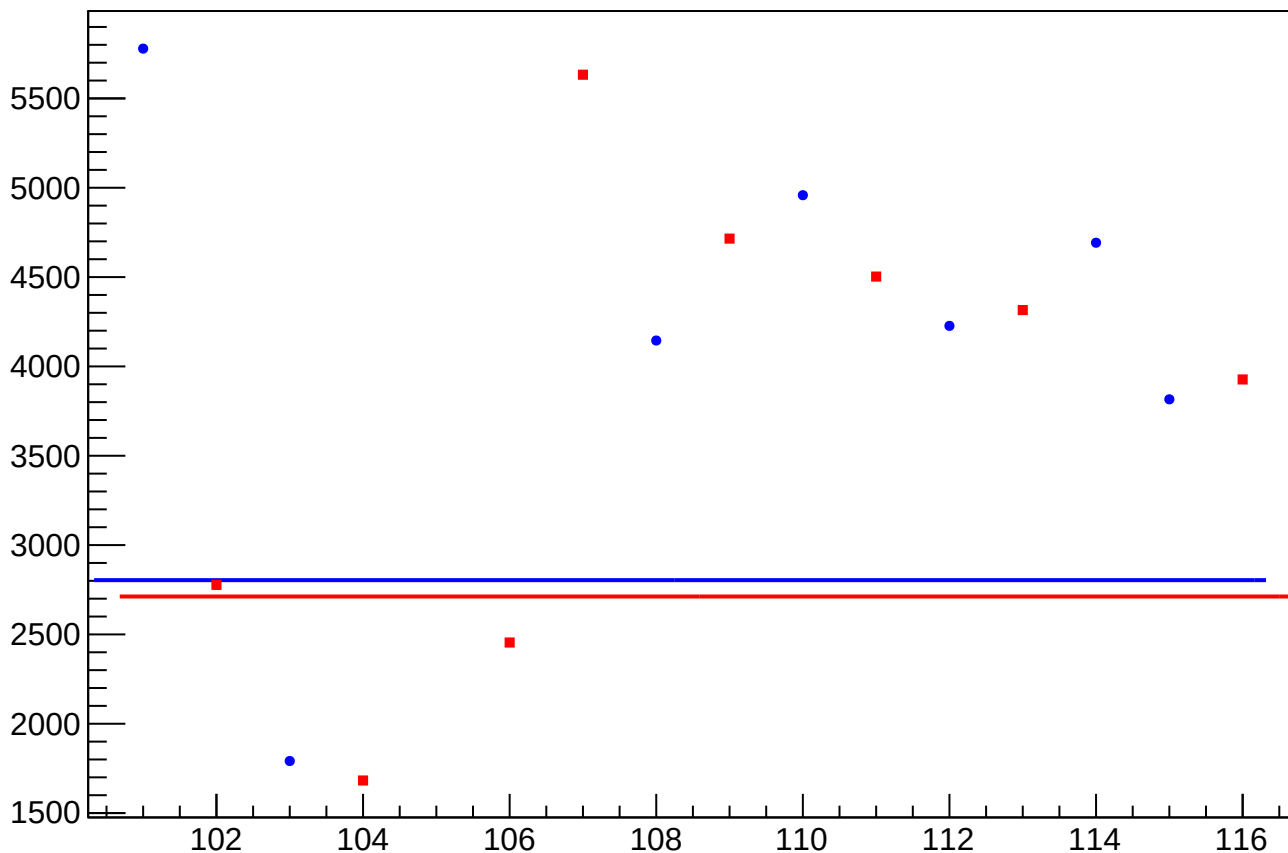
Right: 2367.710+/-1299.216  $\chi^2/\text{NDF}$ : 17.3/14

In: 3539.637+/-1956.568  $\chi^2/\text{NDF}$ :6.6/6

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

All: 2367.710+/-1299.216  $\chi^2/\text{NDF}$ : 17.3/14

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



Right In: 2803.693+/-1.383  $\chi^2/\text{NDF}$ : 1025840.2/6

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

Right Out: 2712.231+/-1.211  $\chi^2/\text{NDF}$ : 1037948.5/7

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

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

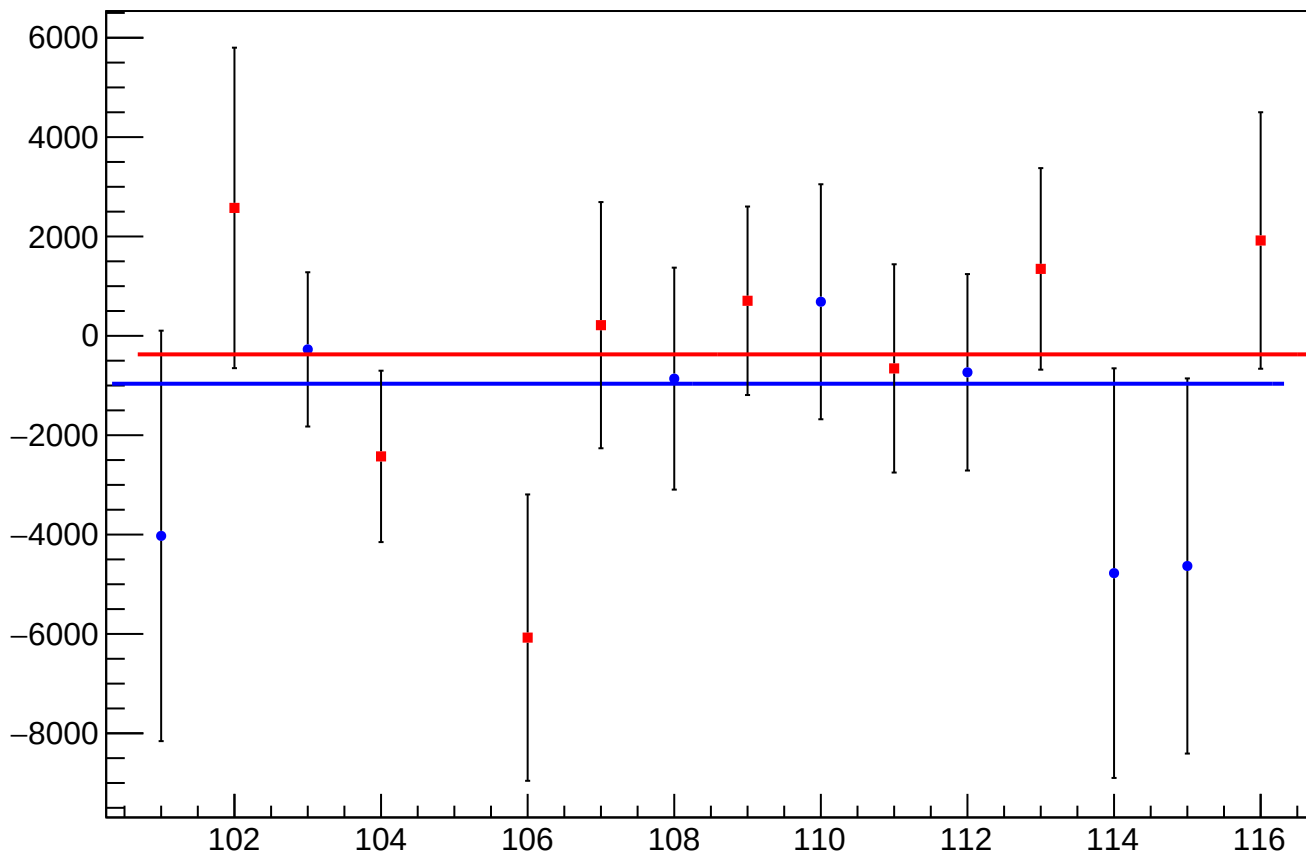
Right: 2751.912+/-0.911  $\chi^2/\text{NDF}$ : 2066263.2/14

In: 2803.693+/-1.383  $\chi^2/\text{NDF}$ : 1025840.2/6

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

All: 2751.912+/-0.911  $\chi^2/\text{NDF}$ : 2066263.2/14

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



Right In: -963.849+/-898.954  $\chi^2/\text{NDF}$ : 3.0/6

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

Right Out: -372.865+/-787.106  $\chi^2/\text{NDF}$ : 8.1/7

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

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

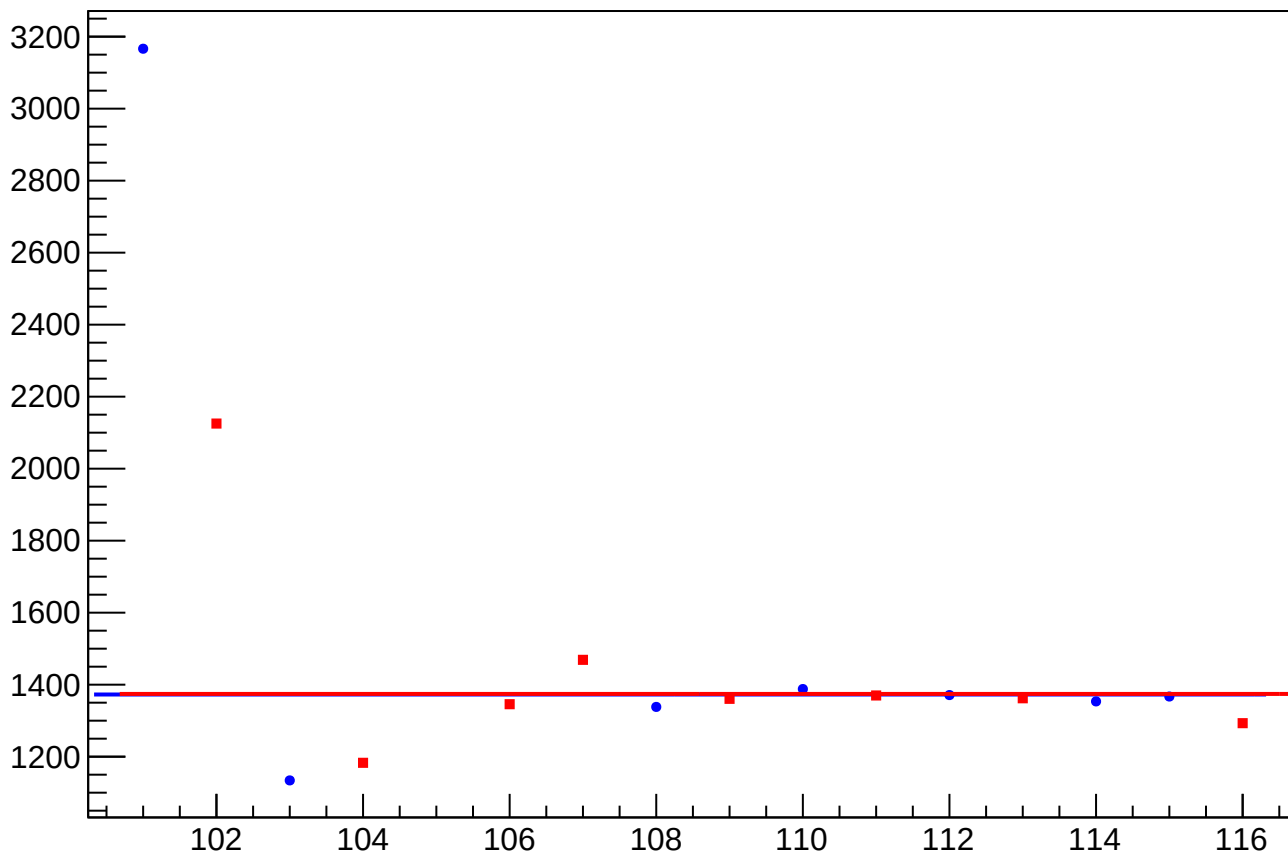
Right: -629.325+/-592.187  $\chi^2/\text{NDF}$ : 11.4/14

In: -963.849+/-898.954  $\chi^2/\text{NDF}$ : 3.0/6

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

All: -629.325+/-592.187  $\chi^2/\text{NDF}$ : 11.4/14

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



Right In: 1372.725+/-0.636  $\chi^2/\text{NDF}$ : 424958.2/6

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

Right Out: 1374.297+/-0.557  $\chi^2/\text{NDF}$ : 138317.5/7

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

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

Right: 1373.615+/-0.419  $\chi^2/\text{NDF}$ : 563279.2/14

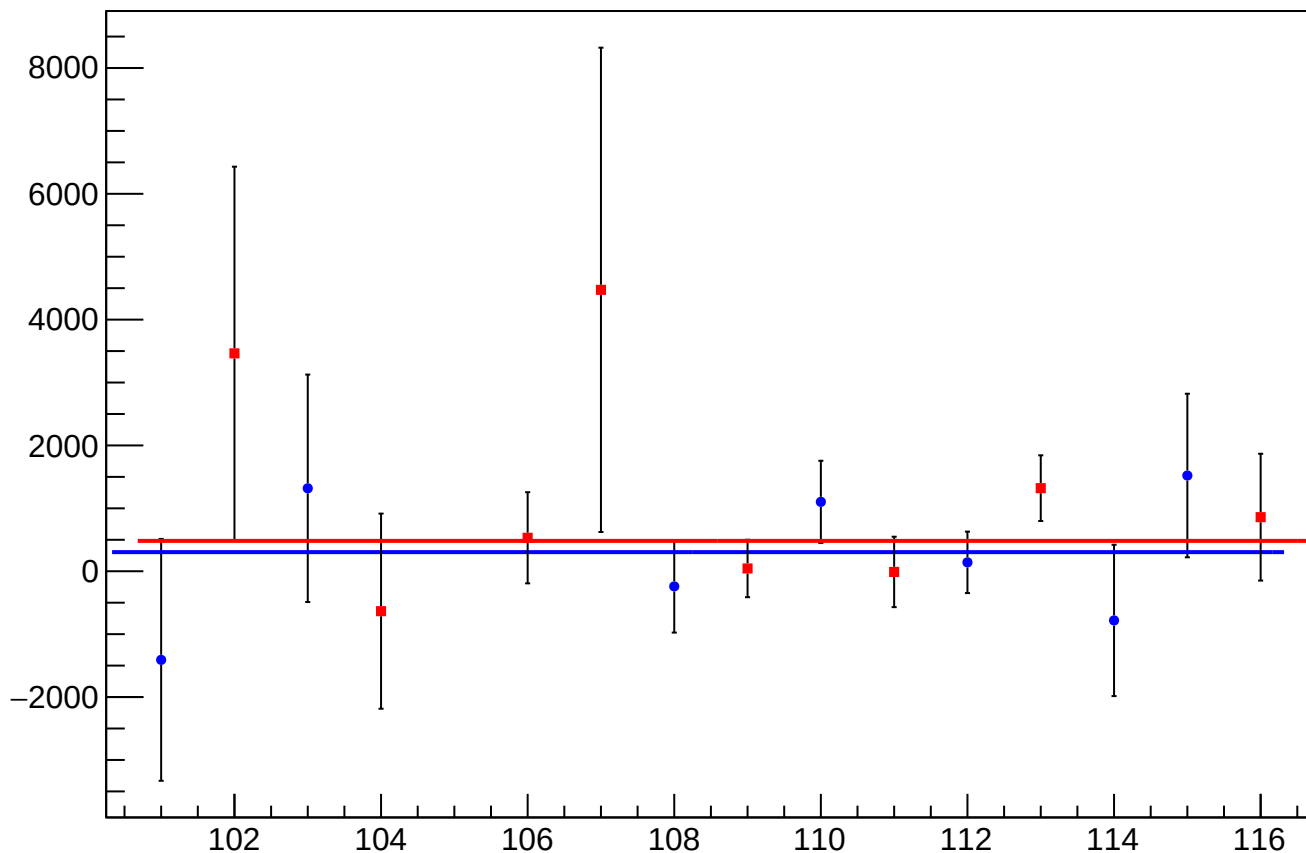
In: 1372.725+/-0.636  $\chi^2/\text{NDF}$ : 424958.2/6

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

All: 1373.615+/-0.419  $\chi^2/\text{NDF}$ : 563279.2/14



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



Right In: 303.684+/-312.503  $\chi^2/\text{NDF}$ : 5.0/6

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

Right Out: 482.773+/-256.990  $\chi^2/\text{NDF}$ : 7.0/7

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

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

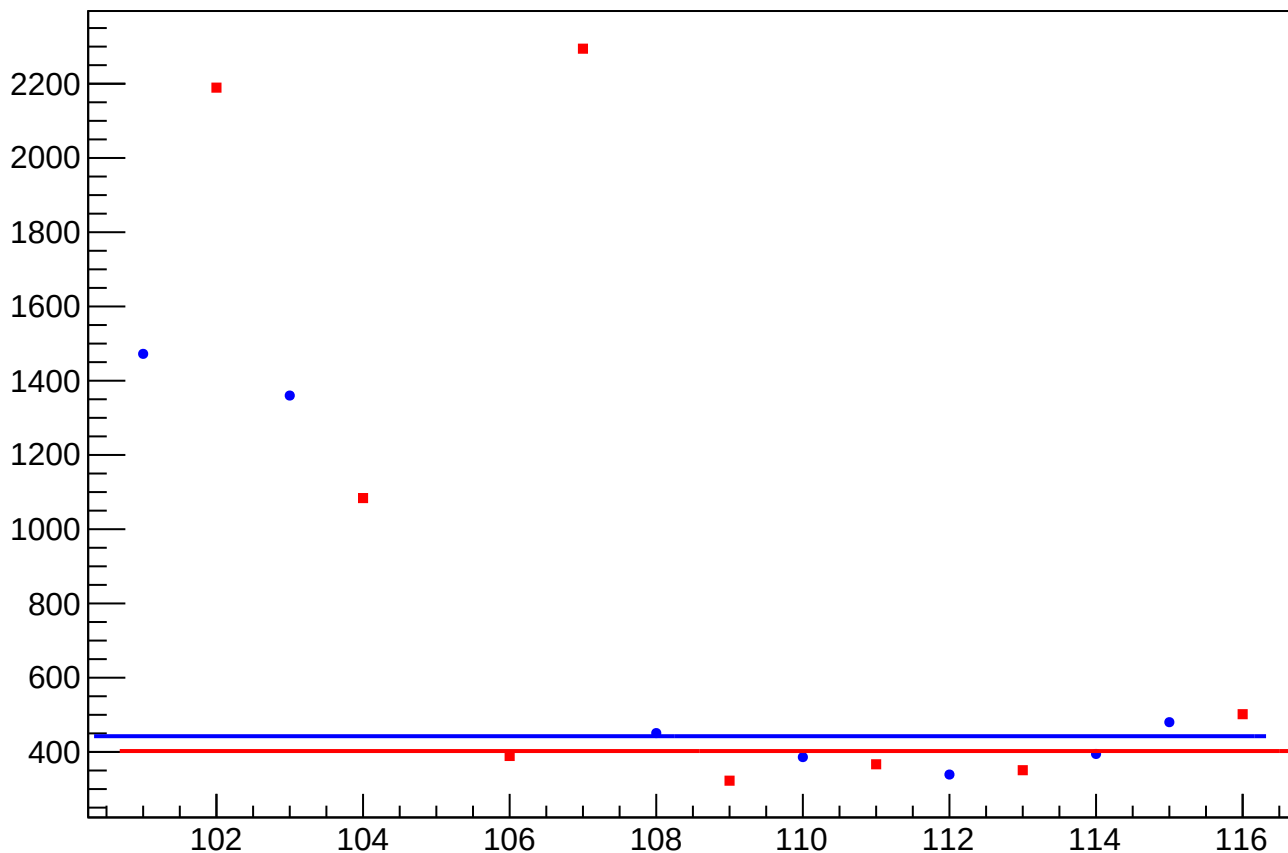
Right: 410.521+/-198.492  $\chi^2/\text{NDF}$ : 12.2/14

In: 303.684+/-312.503  $\chi^2/\text{NDF}$ : 5.0/6

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

All: 410.521+/-198.492  $\chi^2/\text{NDF}$ : 12.2/14

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



Right In: 442.413+/-0.221  $\chi^2/\text{NDF}$ : 1198514.3/6

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

Right Out: 402.439+/-0.182  $\chi^2/\text{NDF}$ : 1703063.3/7

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

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

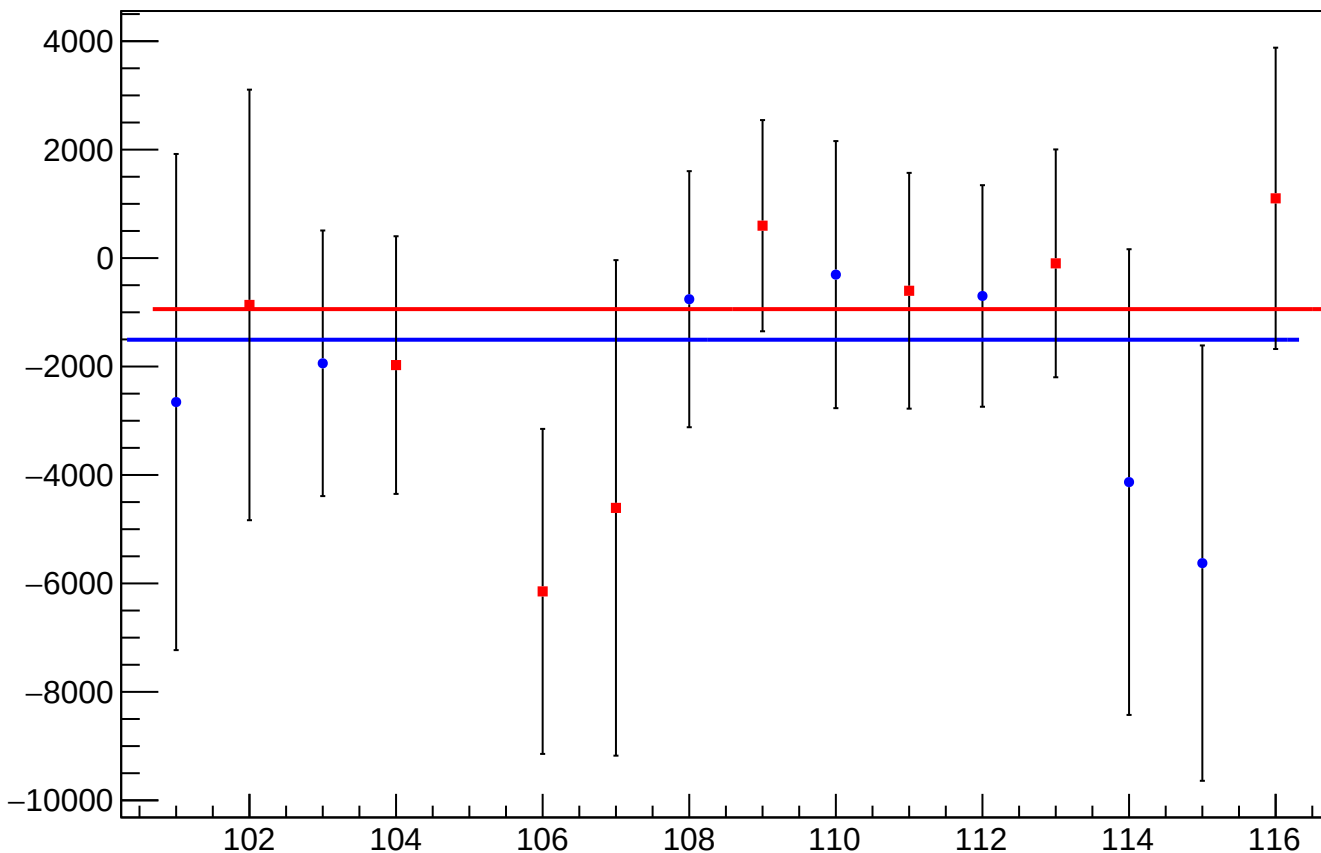
Right: 418.566+/-0.140  $\chi^2/\text{NDF}$ : 2921099.7/14

In: 442.413+/-0.221  $\chi^2/\text{NDF}$ : 1198514.3/6

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

All: 418.566+/-0.140  $\chi^2/\text{NDF}$ : 2921099.7/14

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



Right In: -1505.686+/-1045.646  $\chi^2/\text{NDF}$ : 2.0/6

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

Right Out: -941.219+/-901.254  $\chi^2/\text{NDF}$ : 5.2/7

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

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

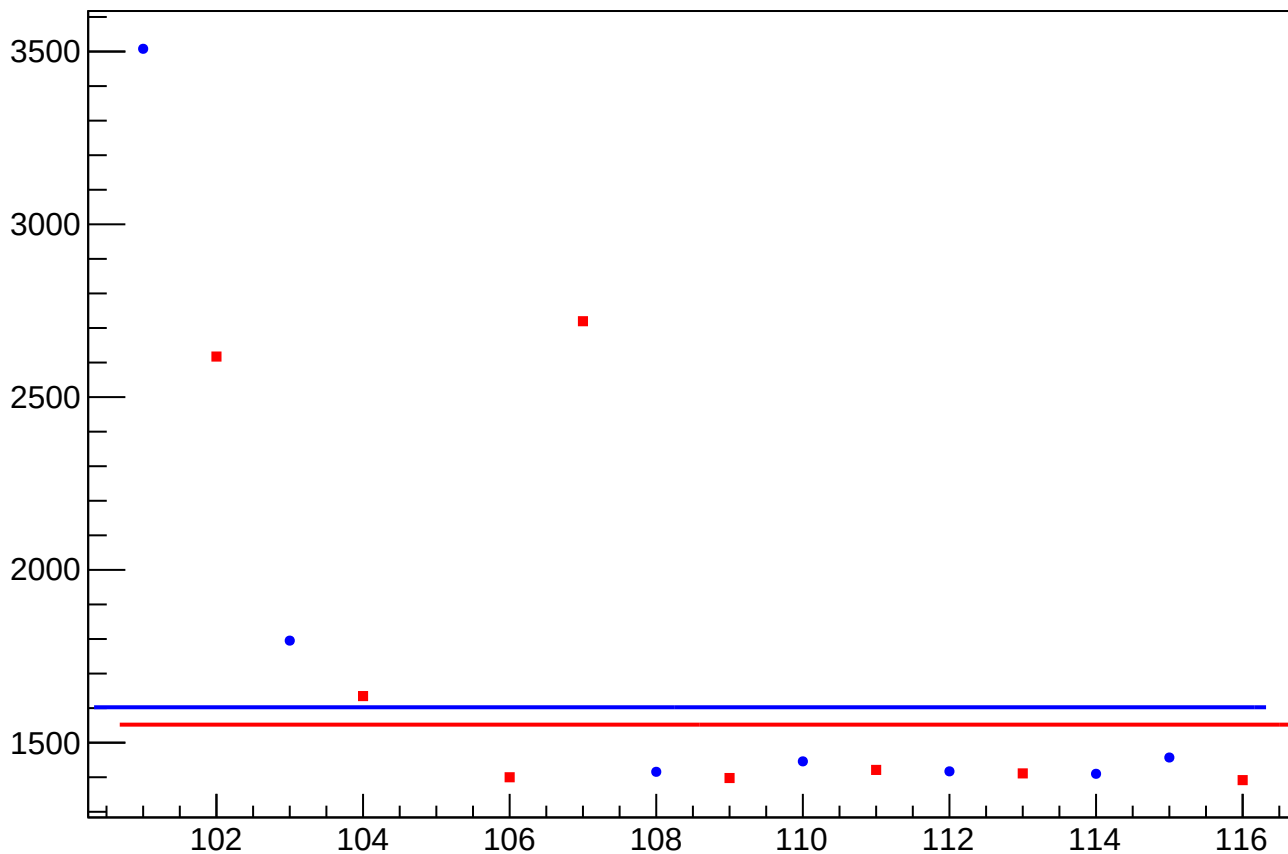
Right: -1181.818+/-682.672  $\chi^2/\text{NDF}$ : 7.4/14

In: -1505.686+/-1045.646  $\chi^2/\text{NDF}$ : 2.0/6

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

All: -1181.818+/-682.672  $\chi^2/\text{NDF}$ : 7.4/14

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



Right In: 1602.478+/-0.739  $\chi^2/\text{NDF}$ : 403071.1/6

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

Right Out: 1552.174+/-0.637  $\chi^2/\text{NDF}$ : 317640.7/7

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

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

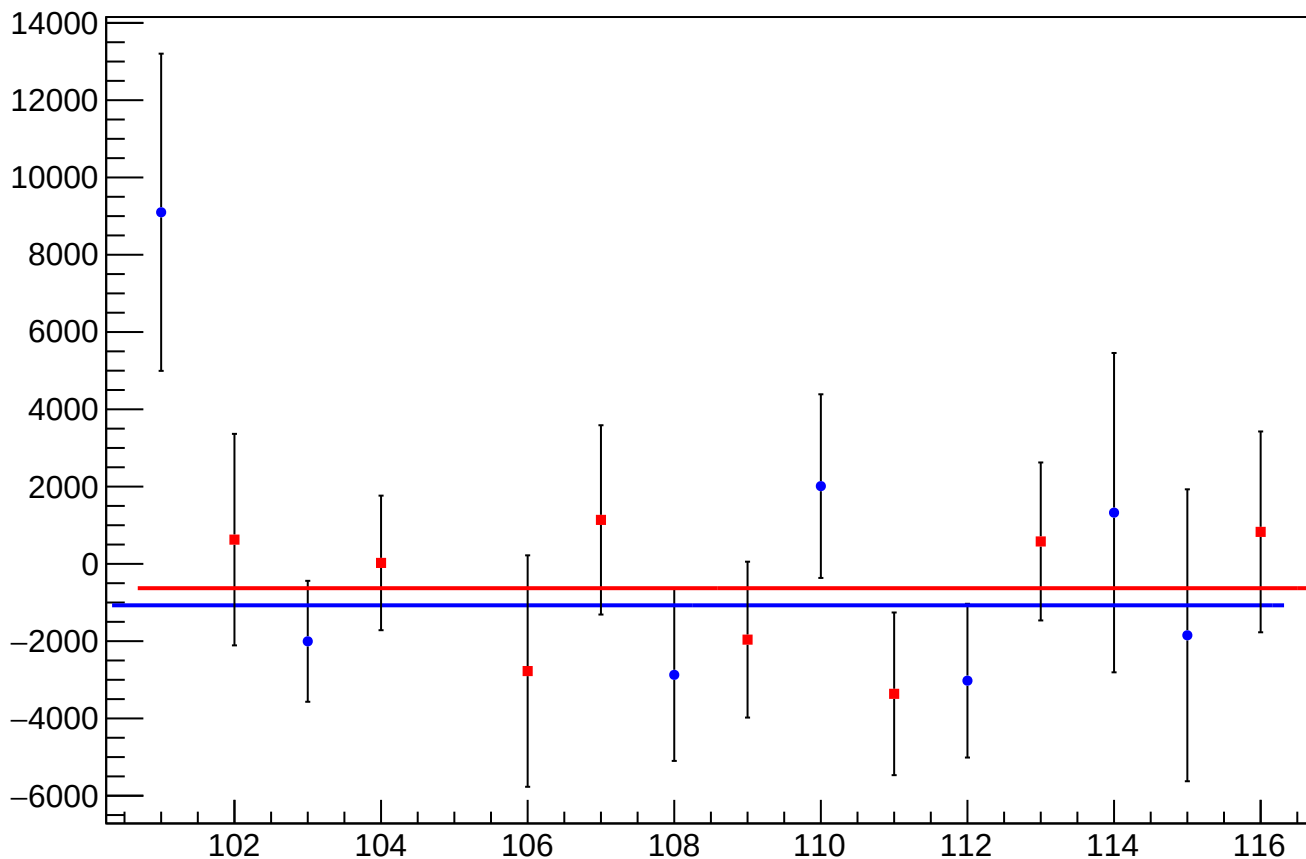
Right: 1573.616+/-0.483  $\chi^2/\text{NDF}$ : 723367.5/14

In: 1602.478+/-0.739  $\chi^2/\text{NDF}$ : 403071.1/6

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

All: 1573.616+/-0.483  $\chi^2/\text{NDF}$ : 723367.5/14

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



Right In: -1072.345+/-902.505  $\chi^2/\text{NDF}$ : 10.2/6

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

Right Out: -629.247+/-790.466  $\chi^2/\text{NDF}$ : 4.2/7

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

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

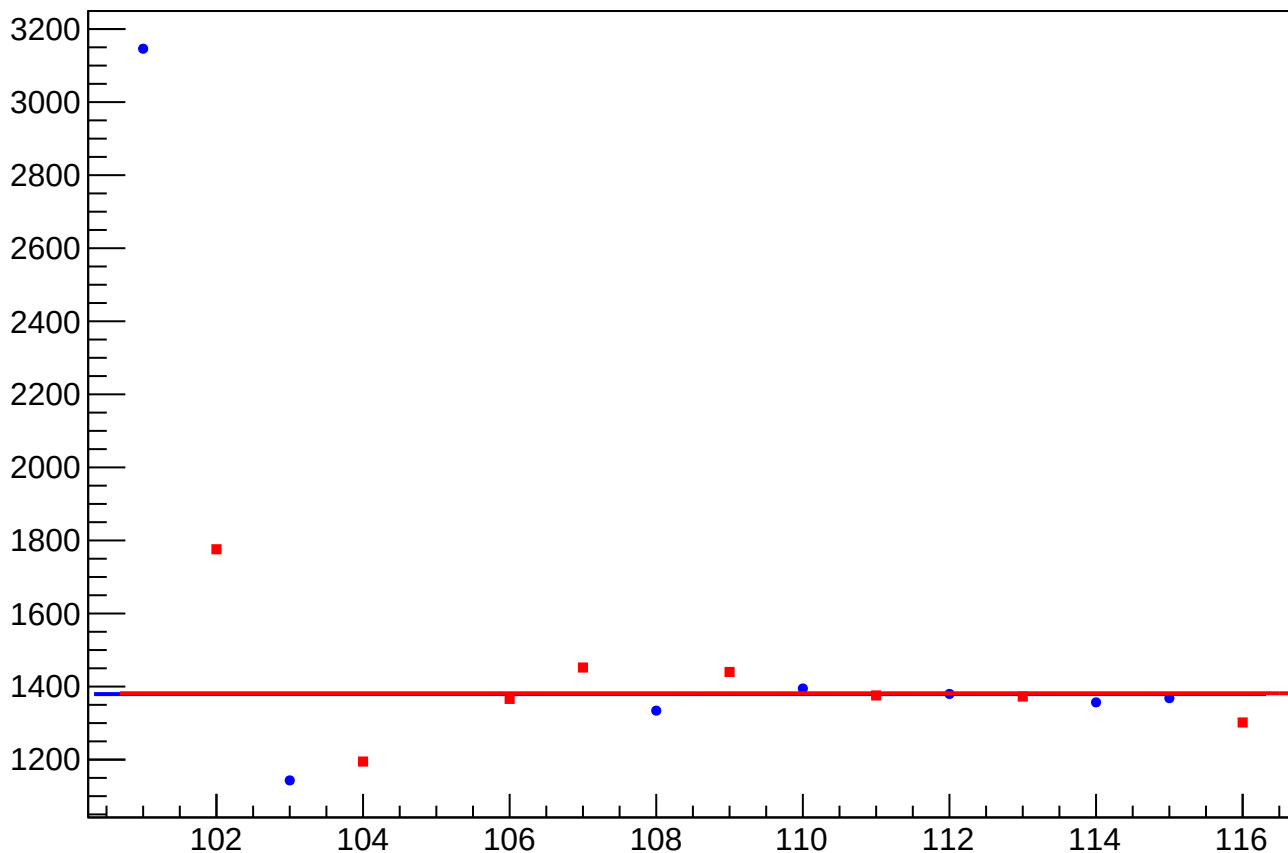
Right: -821.600+/-594.634  $\chi^2/\text{NDF}$ : 14.5/14

In: -1072.345+/-902.505  $\chi^2/\text{NDF}$ : 10.2/6

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

All: -821.600+/-594.634  $\chi^2/\text{NDF}$ : 14.5/14

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



Right In: 1379.387+/-0.638  $\chi^2/\text{NDF}$ : 417144.7/6

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

Right Out: 1381.613+/-0.558  $\chi^2/\text{NDF}$ : 69883.5/7

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

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

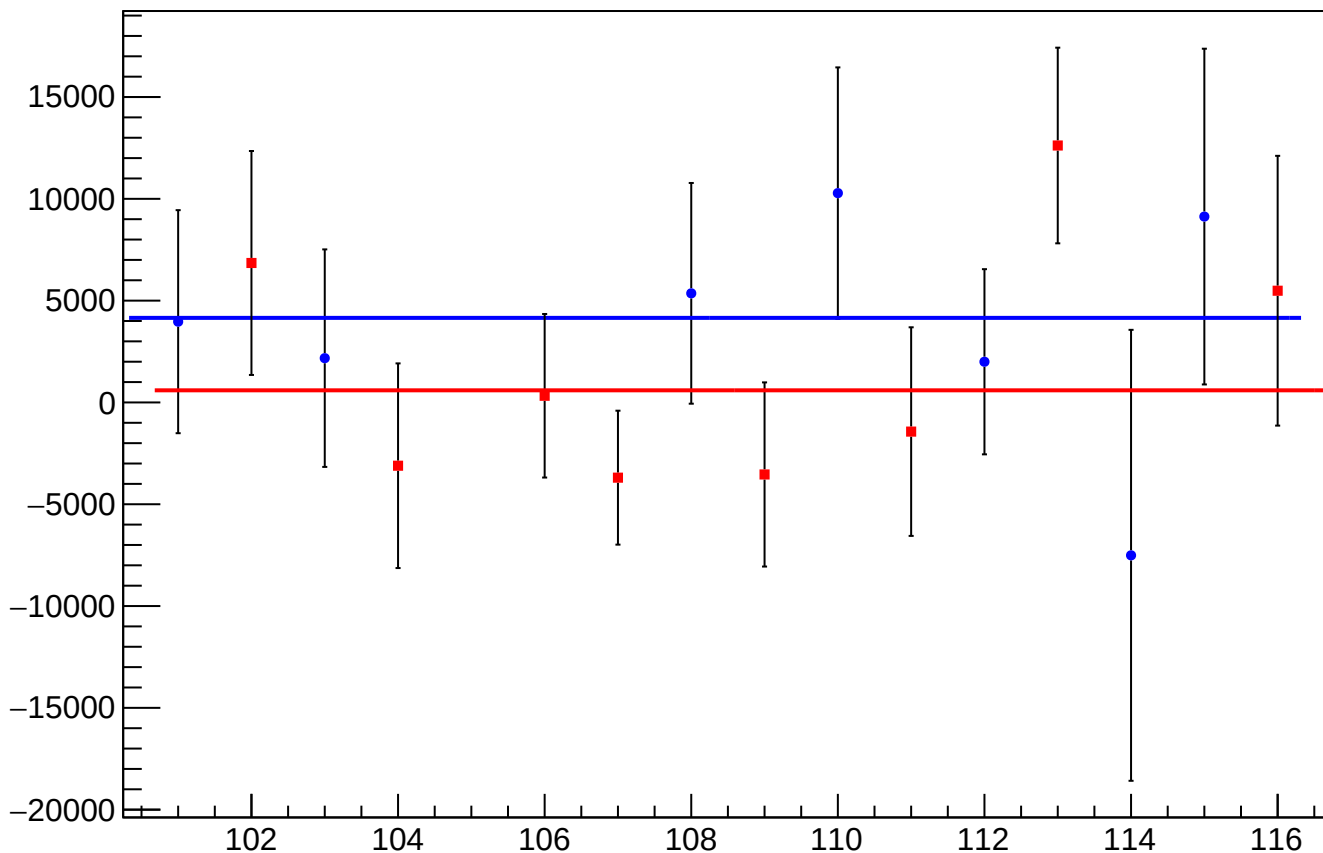
Right: 1380.648+/-0.420  $\chi^2/\text{NDF}$ : 487035.1/14

In: 1379.387+/-0.638  $\chi^2/\text{NDF}$ : 417144.7/6

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

All: 1380.648+/-0.420  $\chi^2/\text{NDF}$ : 487035.1/14

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



Right In: 4153.565+/-2236.799  $\chi^2/\text{NDF}$ : 2.9/6

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

Right Out: 595.078+/-1621.829  $\chi^2/\text{NDF}$ : 11.3/7

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

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

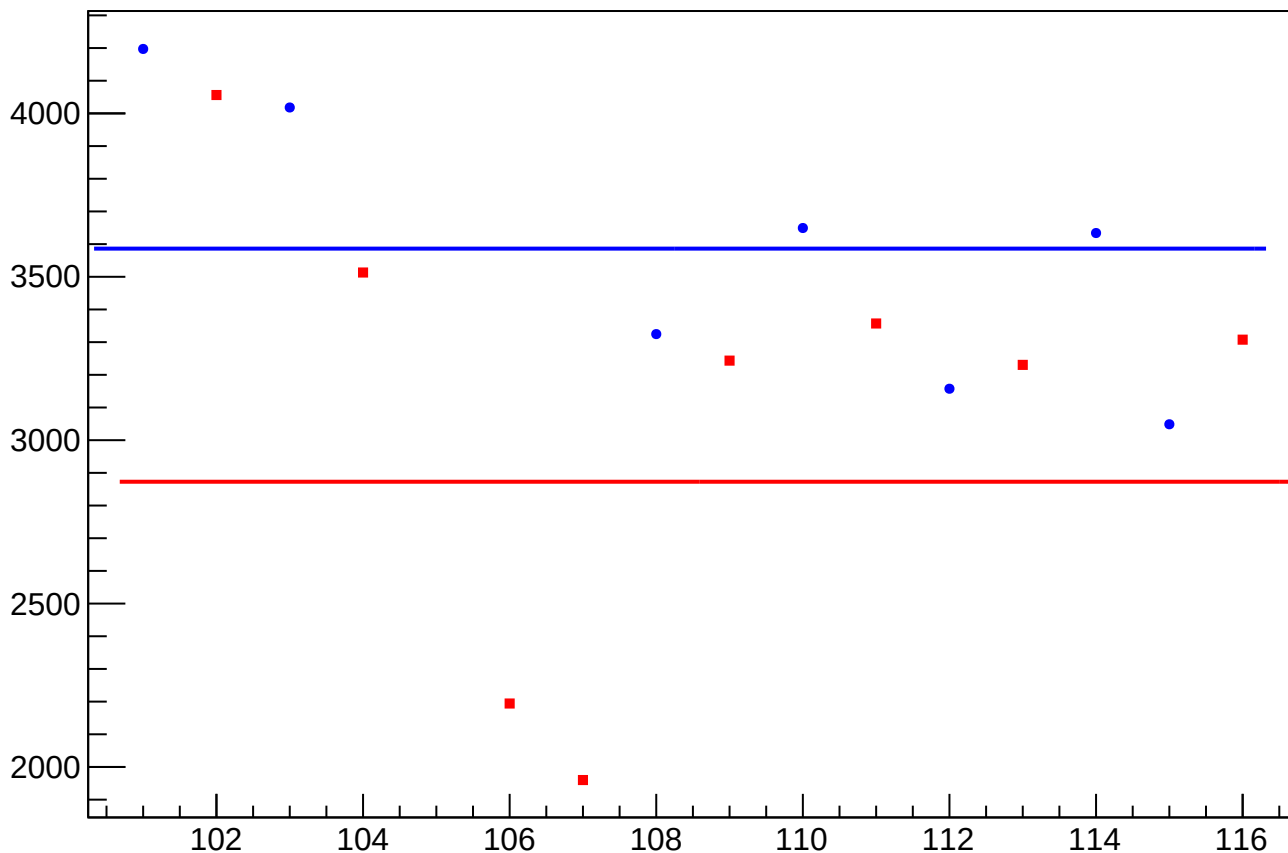
Right: 1821.235+/-1313.008  $\chi^2/\text{NDF}$ : 15.9/14

In: 4153.565+/-2236.799  $\chi^2/\text{NDF}$ : 2.9/6

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

All: 1821.235+/-1313.008  $\chi^2/\text{NDF}$ : 15.9/14

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



Right In: 3586.226+/-1.582  $\chi^2/\text{NDF}$ : 69146.9/6

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

Right Out: 2872.849+/-1.147  $\chi^2/\text{NDF}$ : 387211.8/7

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

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

Right: 3118.659+/-0.928  $\chi^2/\text{NDF}$ : 589692.1/14

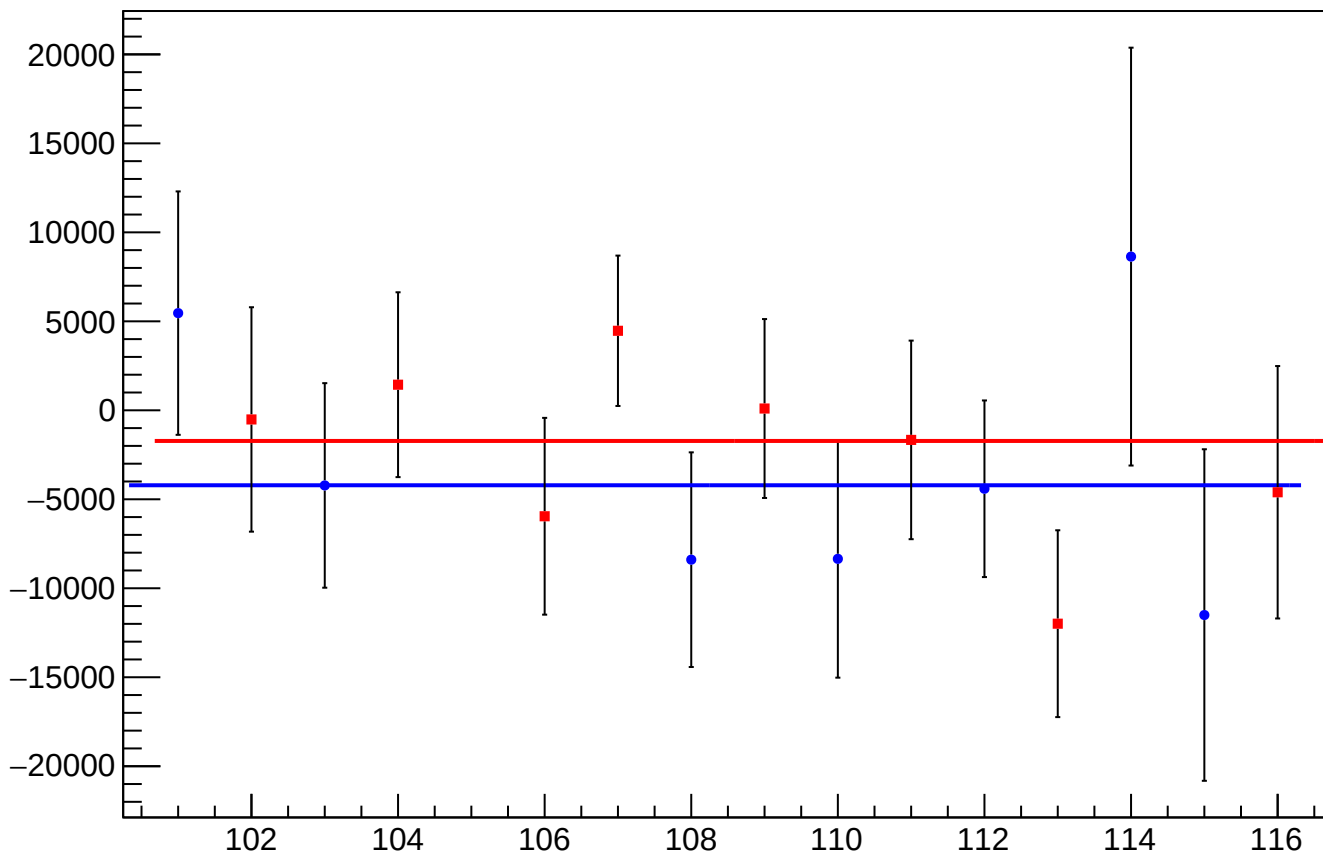
In: 3586.226+/-1.582  $\chi^2/\text{NDF}$ : 69146.9/6

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

All: 3118.659+/-0.928  $\chi^2/\text{NDF}$ : 589692.1/14



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



Right In: -4212.032+/-2492.449  $\chi^2/\text{NDF}$ : 4.7/6

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

Right Out: -1722.083+/-1893.740  $\chi^2/\text{NDF}$ : 7.3/7

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

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

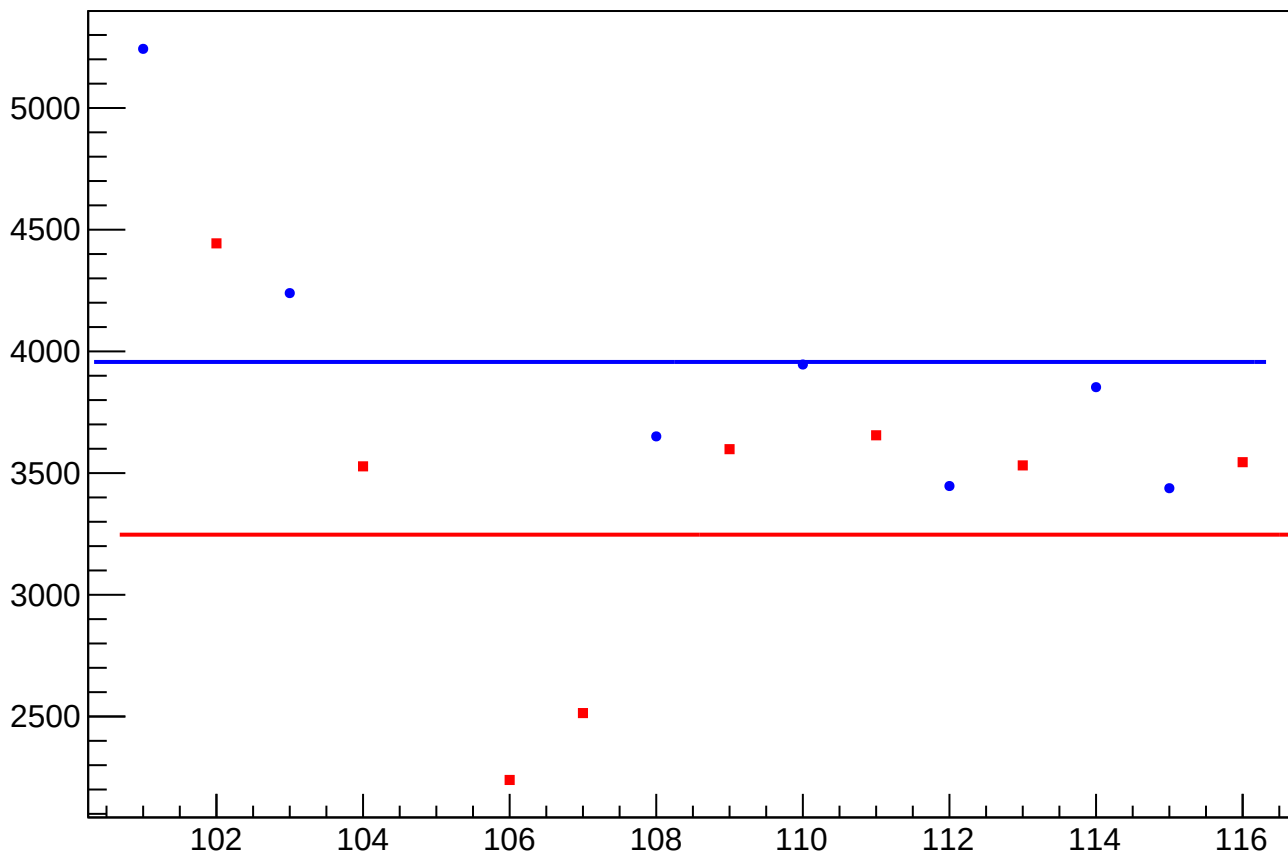
Right: -2633.399+/-1507.876  $\chi^2/\text{NDF}$ : 12.6/14

In: -4212.032+/-2492.449  $\chi^2/\text{NDF}$ : 4.7/6

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

All: -2633.399+/-1507.876  $\chi^2/\text{NDF}$ : 12.6/14

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



Right In: 3956.657+/-1.762  $\chi^2/\text{NDF}$ : 108218.1/6

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

Right Out: 3247.046+/-1.316  $\chi^2/\text{NDF}$ : 254109.8/7

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

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

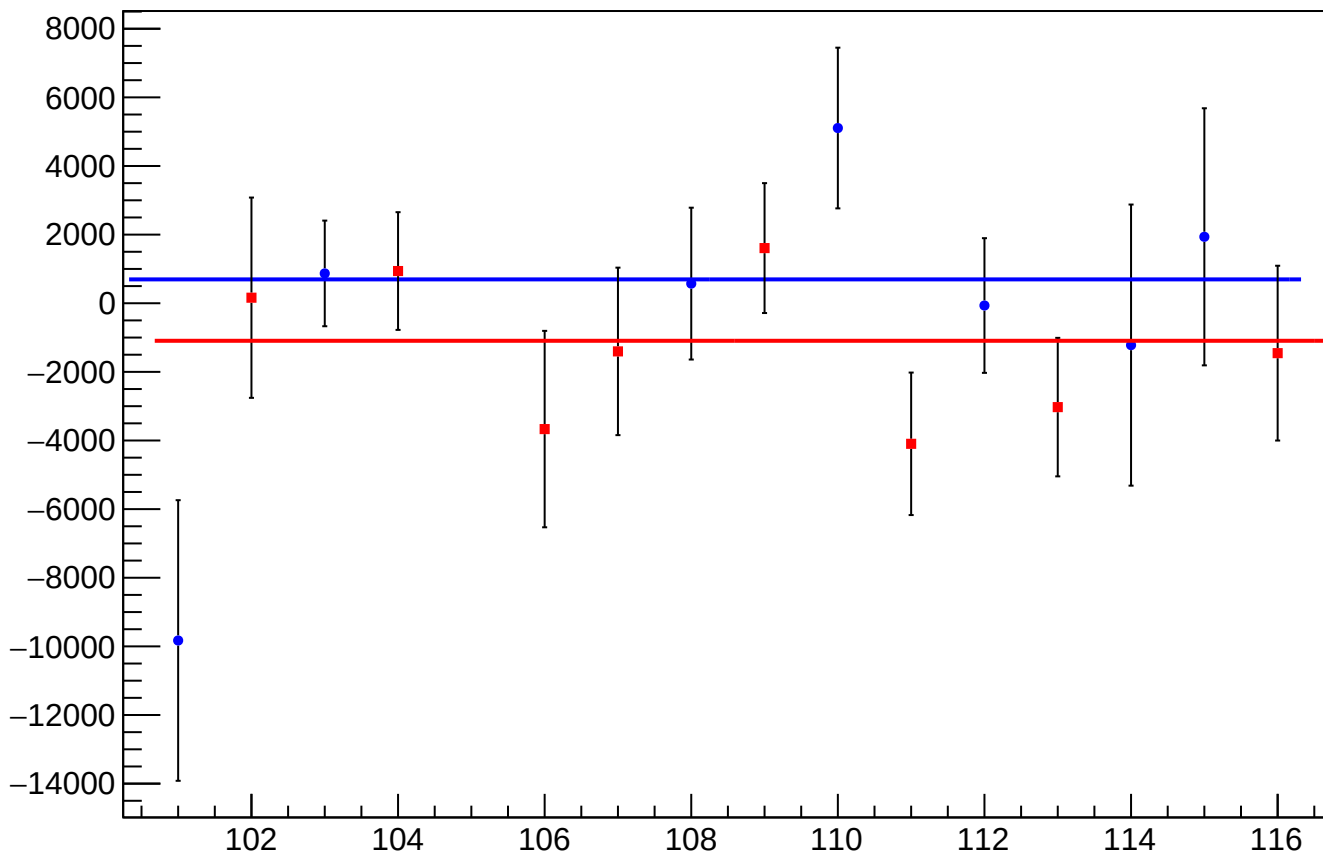
Right: 3501.185+/-1.055  $\chi^2/\text{NDF}$ : 466397.1/14

In: 3956.657+/-1.762  $\chi^2/\text{NDF}$ : 108218.1/6

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

All: 3501.185+/-1.055  $\chi^2/\text{NDF}$ : 466397.1/14

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



Right In: 695.209+/-891.251  $\chi^2/\text{NDF}$ : 10.7/6

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

Right Out: -1094.095+/-776.639  $\chi^2/\text{NDF}$ : 7.5/7

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

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

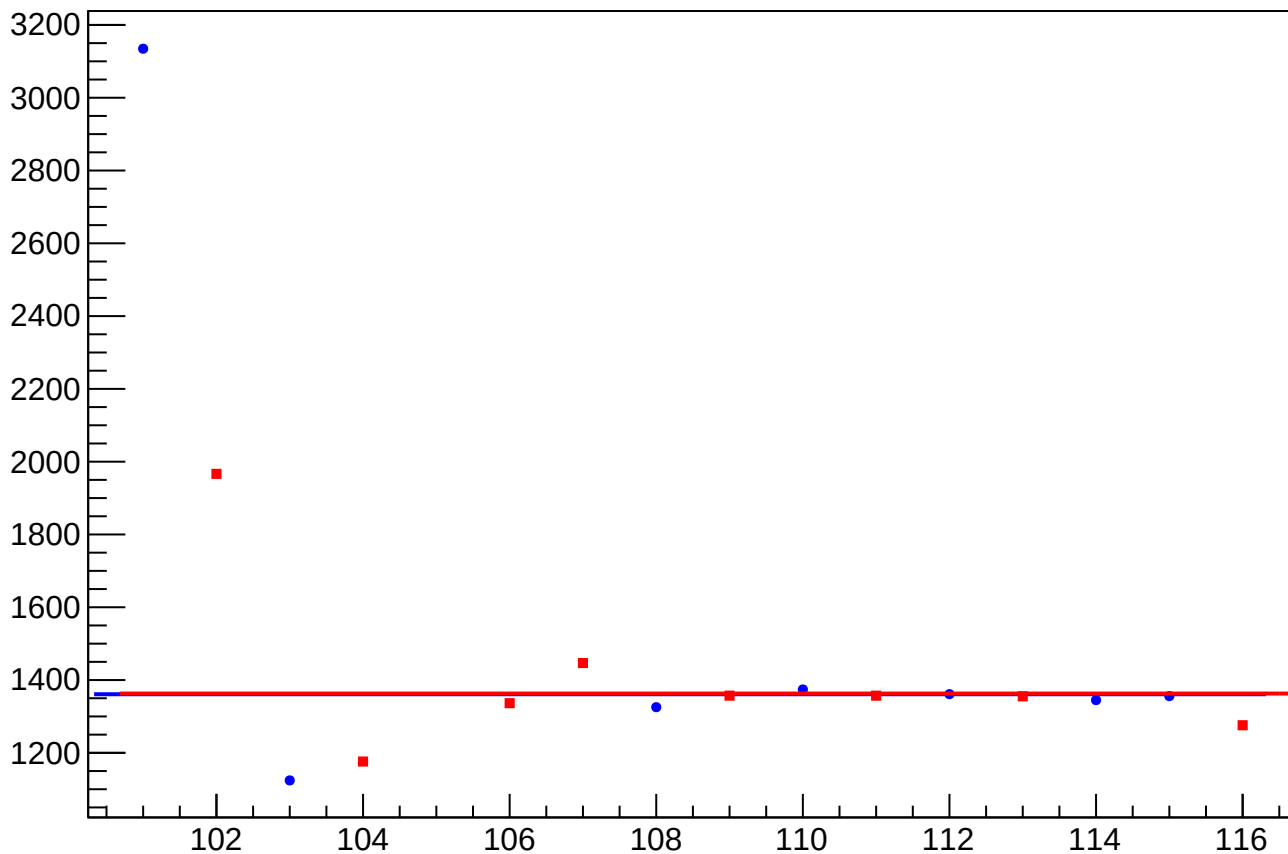
Right: -321.821+/-585.523  $\chi^2/\text{NDF}$ : 20.4/14

In: 695.209+/-891.251  $\chi^2/\text{NDF}$ : 10.7/6

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

All: -321.821+/-585.523  $\chi^2/\text{NDF}$ : 20.4/14

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



Right In: 1361.015+/-0.630  $\chi^2/\text{NDF}$ : 424200.2/6

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

Right Out: 1362.907+/-0.549  $\chi^2/\text{NDF}$ : 114219.0/7

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

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

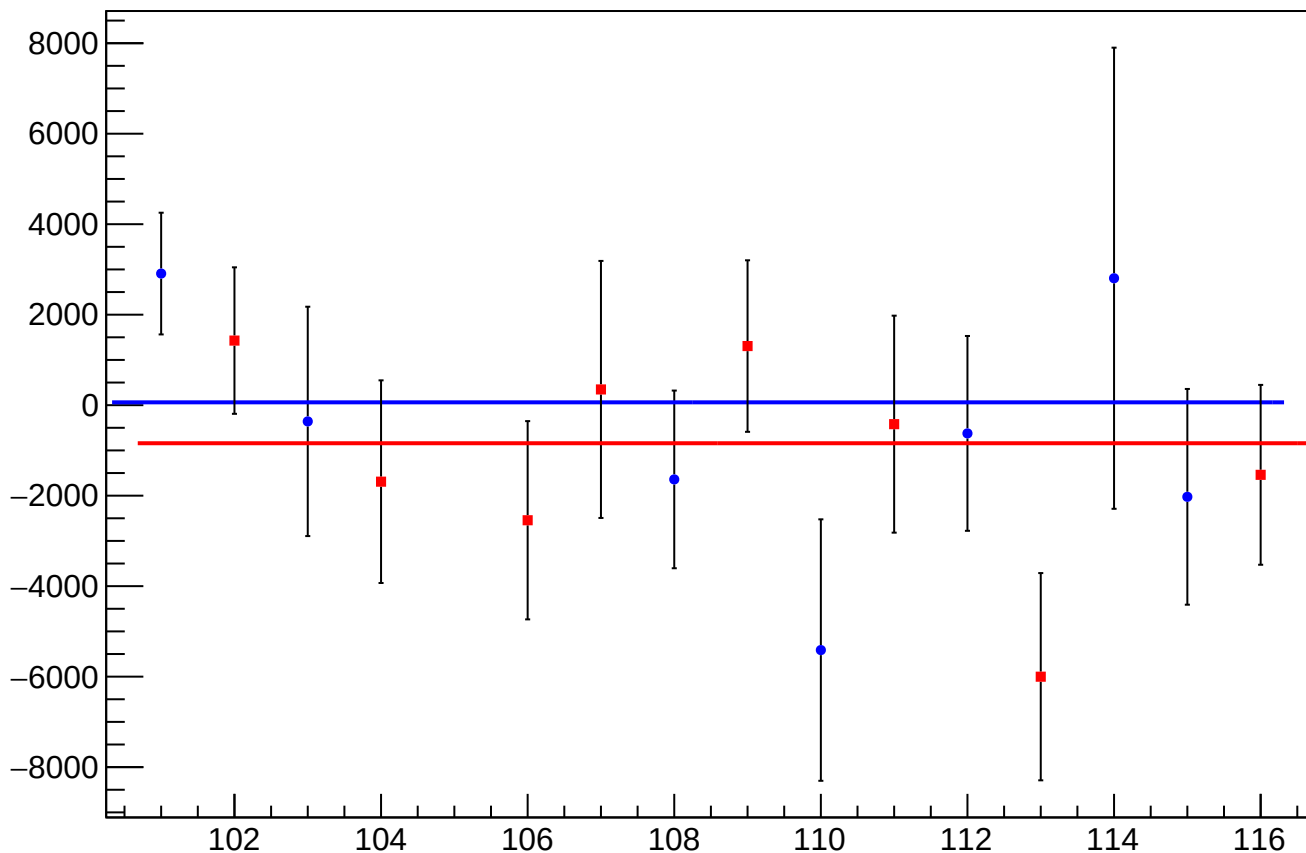
Right: 1362.090+/-0.414  $\chi^2/\text{NDF}$ : 538424.3/14

In: 1361.015+/-0.630  $\chi^2/\text{NDF}$ : 424200.2/6

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

All: 1362.090+/-0.414  $\chi^2/\text{NDF}$ : 538424.3/14

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



Right In: 62.633+/-811.737  $\chi^2/\text{NDF}$ : 10.0/6

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

Right Out: -841.373+/-743.461  $\chi^2/\text{NDF}$ : 9.4/7

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

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

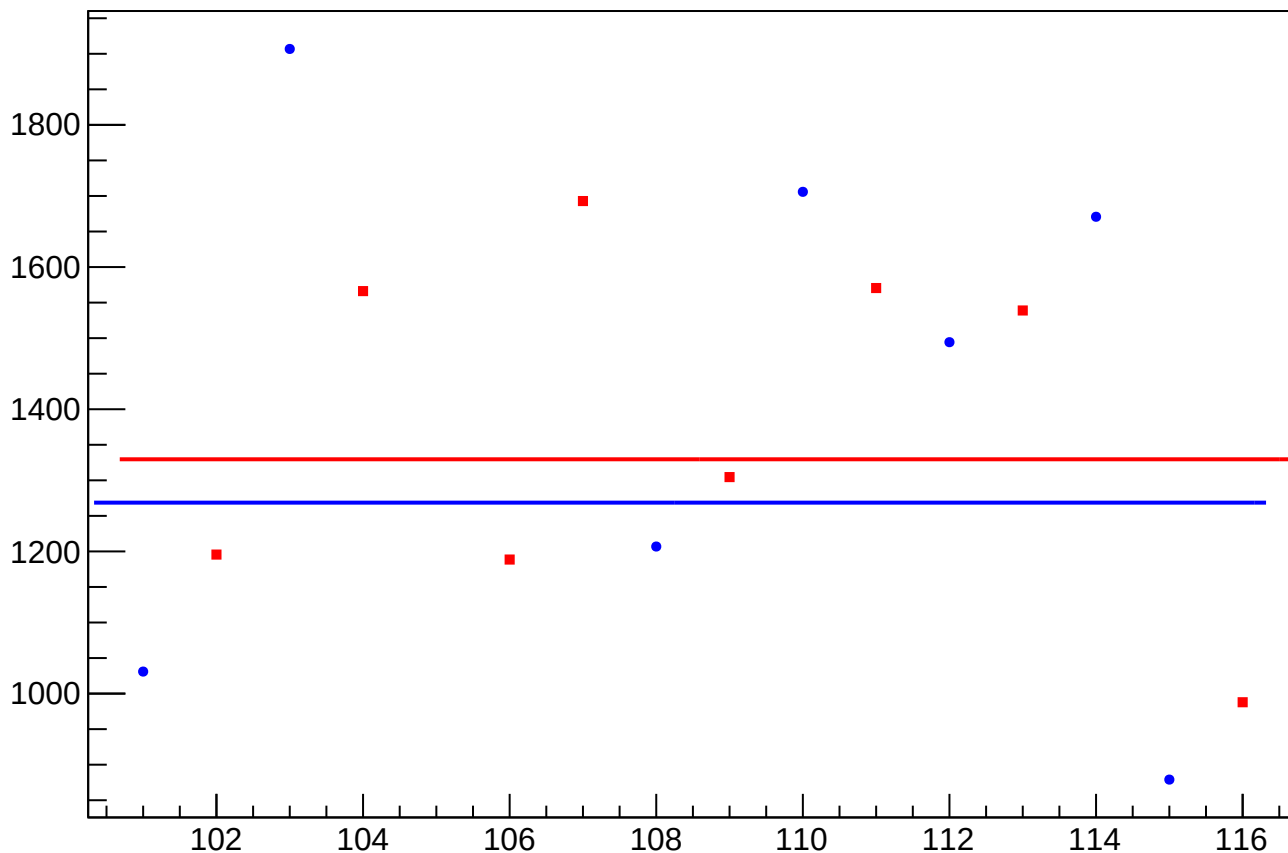
Right: -428.981+/-548.258  $\chi^2/\text{NDF}$ : 20.1/14

In: 62.633+/-811.737  $\chi^2/\text{NDF}$ : 10.0/6

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

All: -428.981+/-548.258  $\chi^2/\text{NDF}$ : 20.1/14

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



Right In: 1268.618+/-0.574  $\chi^2/\text{NDF}$ : 324835.1/6

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

Right Out: 1329.598+/-0.526  $\chi^2/\text{NDF}$ : 173398.0/7

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

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

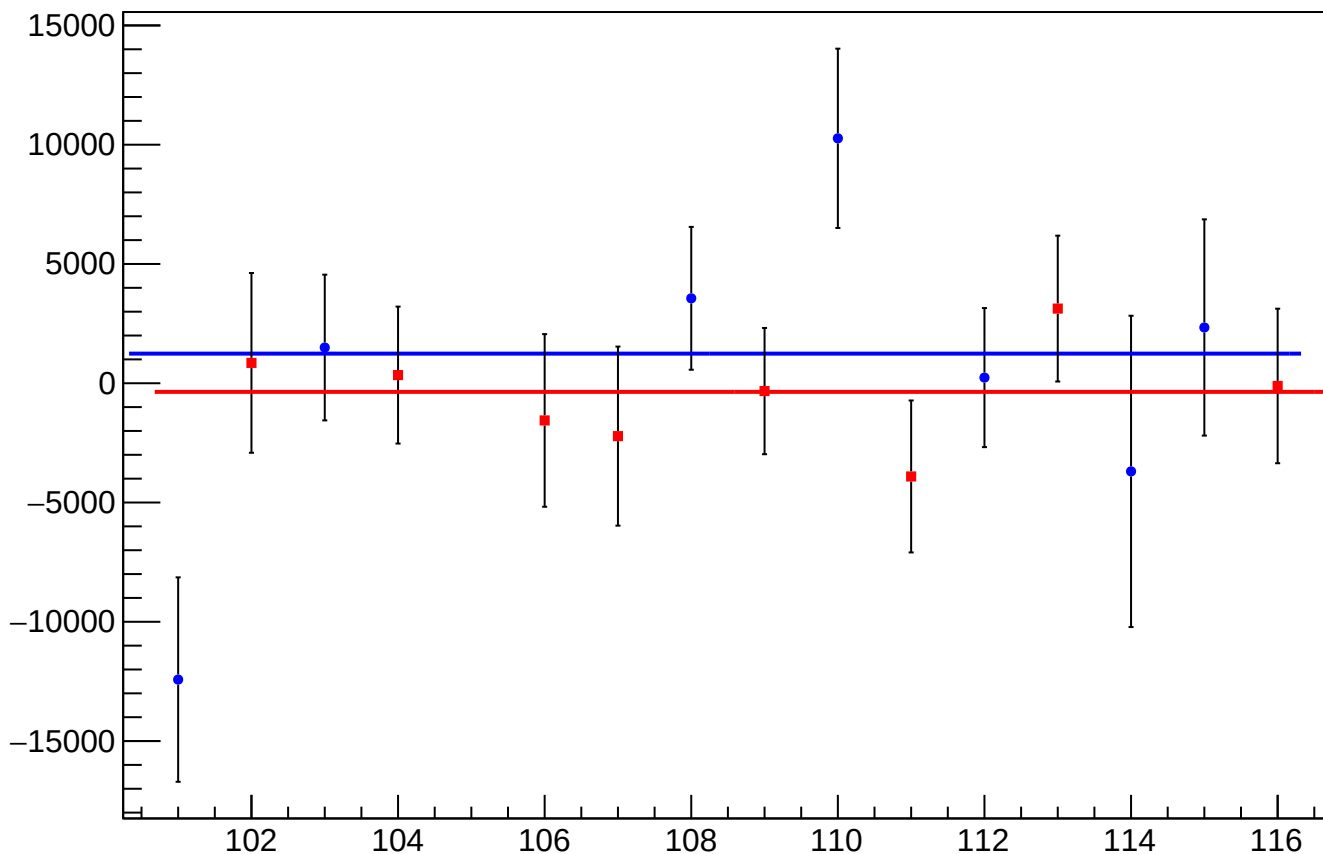
Right: 1301.780+/-0.388  $\chi^2/\text{NDF}$ : 504371.0/14

In: 1268.618+/-0.574  $\chi^2/\text{NDF}$ : 324835.1/6

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

All: 1301.780+/-0.388  $\chi^2/\text{NDF}$ : 504371.0/14

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



Right In: 1241.846+/-1368.704  $\chi^2/\text{NDF}$ : 17.3/6

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

Right Out: -361.556+/-1130.304  $\chi^2/\text{NDF}$ : 3.1/7

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

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

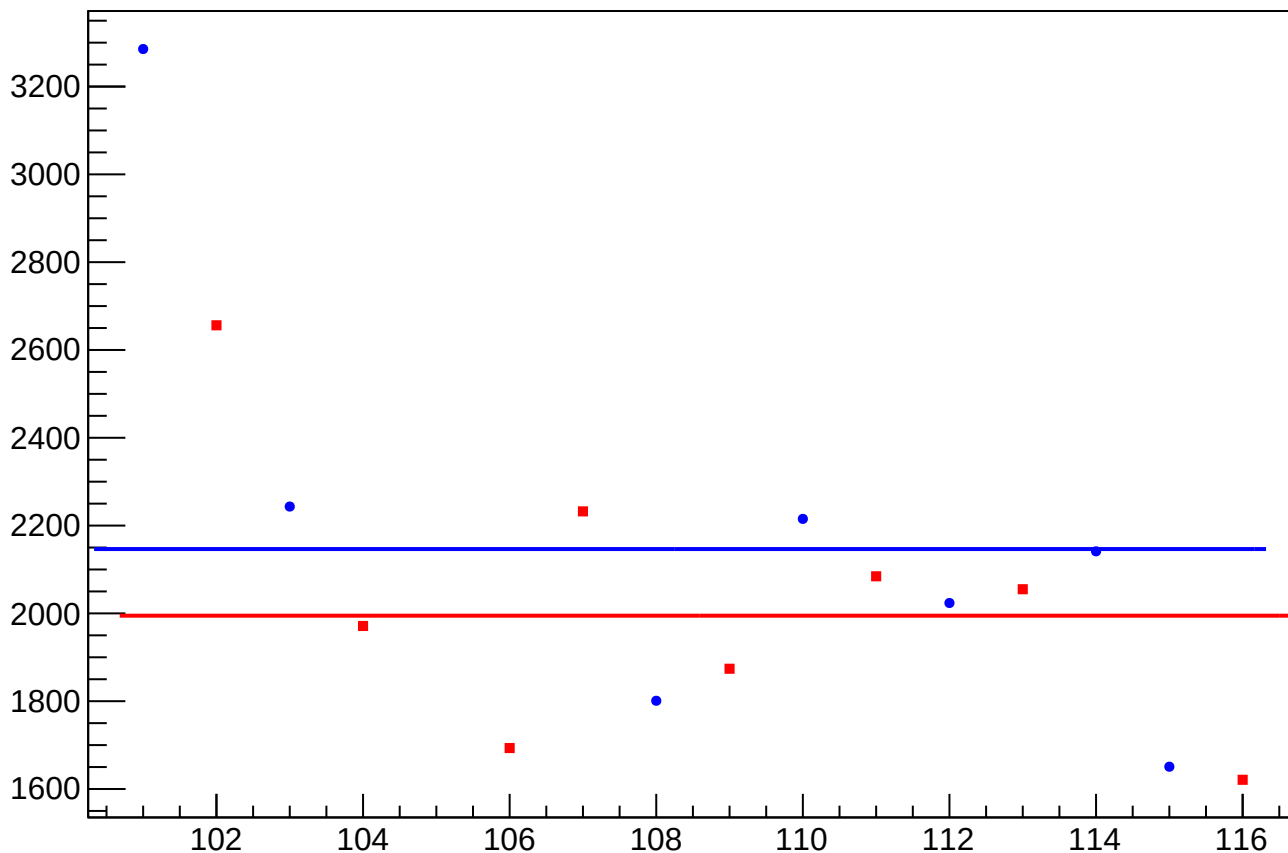
Right: 288.563+/-871.535  $\chi^2/\text{NDF}$ : 21.2/14

In: 1241.846+/-1368.704  $\chi^2/\text{NDF}$ : 17.3/6

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

All: 288.563+/-871.535  $\chi^2/\text{NDF}$ : 21.2/14

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



Right In: 2146.550+/-0.968  $\chi^2/\text{NDF}$ : 198092.1/6

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

Right Out: 1994.760+/-0.799  $\chi^2/\text{NDF}$ : 116845.9/7

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

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

Right: 2056.304+/-0.616  $\chi^2/\text{NDF}$ : 329563.1/14

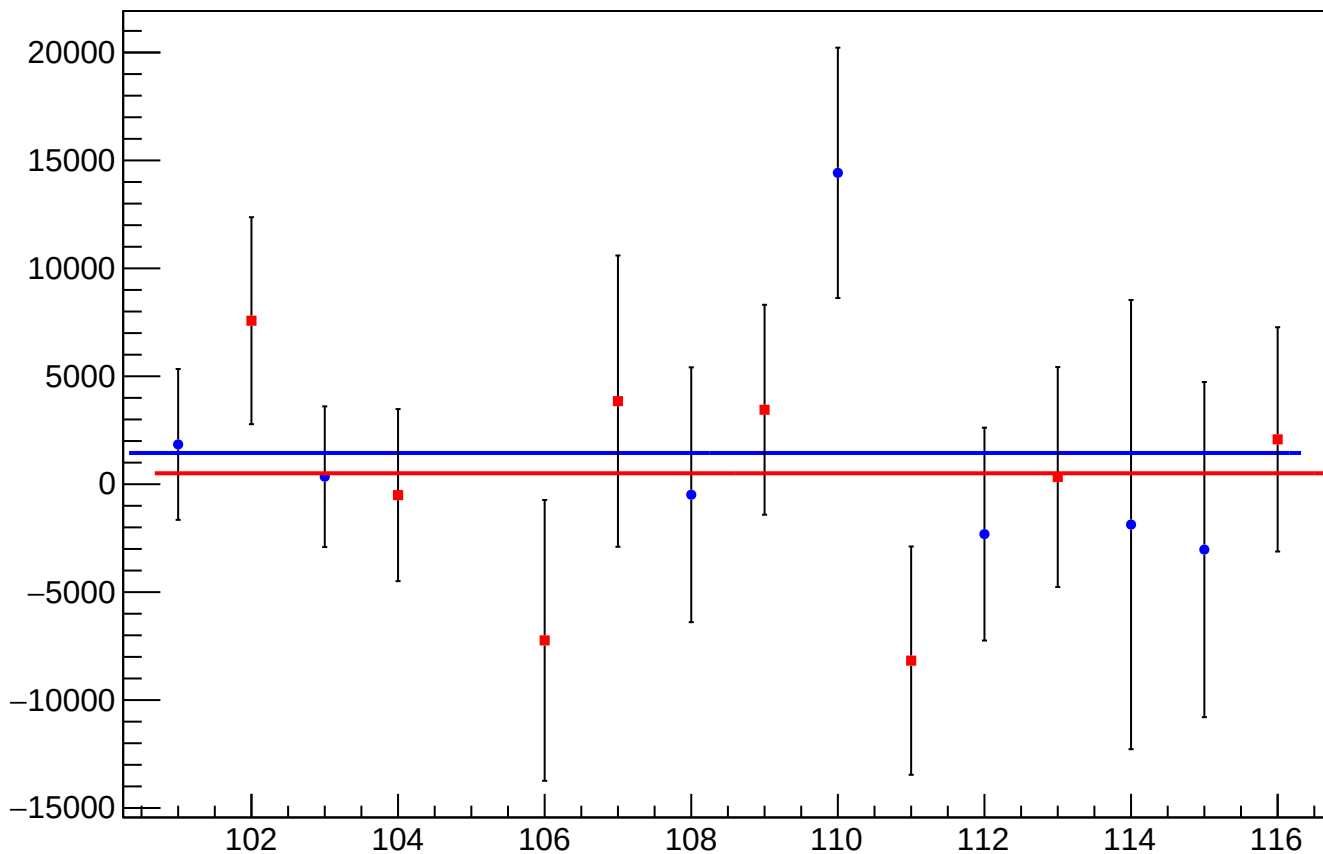
In: 2146.550+/-0.968  $\chi^2/\text{NDF}$ : 198092.1/6

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

All: 2056.304+/-0.616  $\chi^2/\text{NDF}$ : 329563.1/14



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



Right In: 1446.526+/-1821.370  $\chi^2/\text{NDF}$ : 6.3/6

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

Right Out: 506.100+/-1808.733  $\chi^2/\text{NDF}$ : 7.1/7

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

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

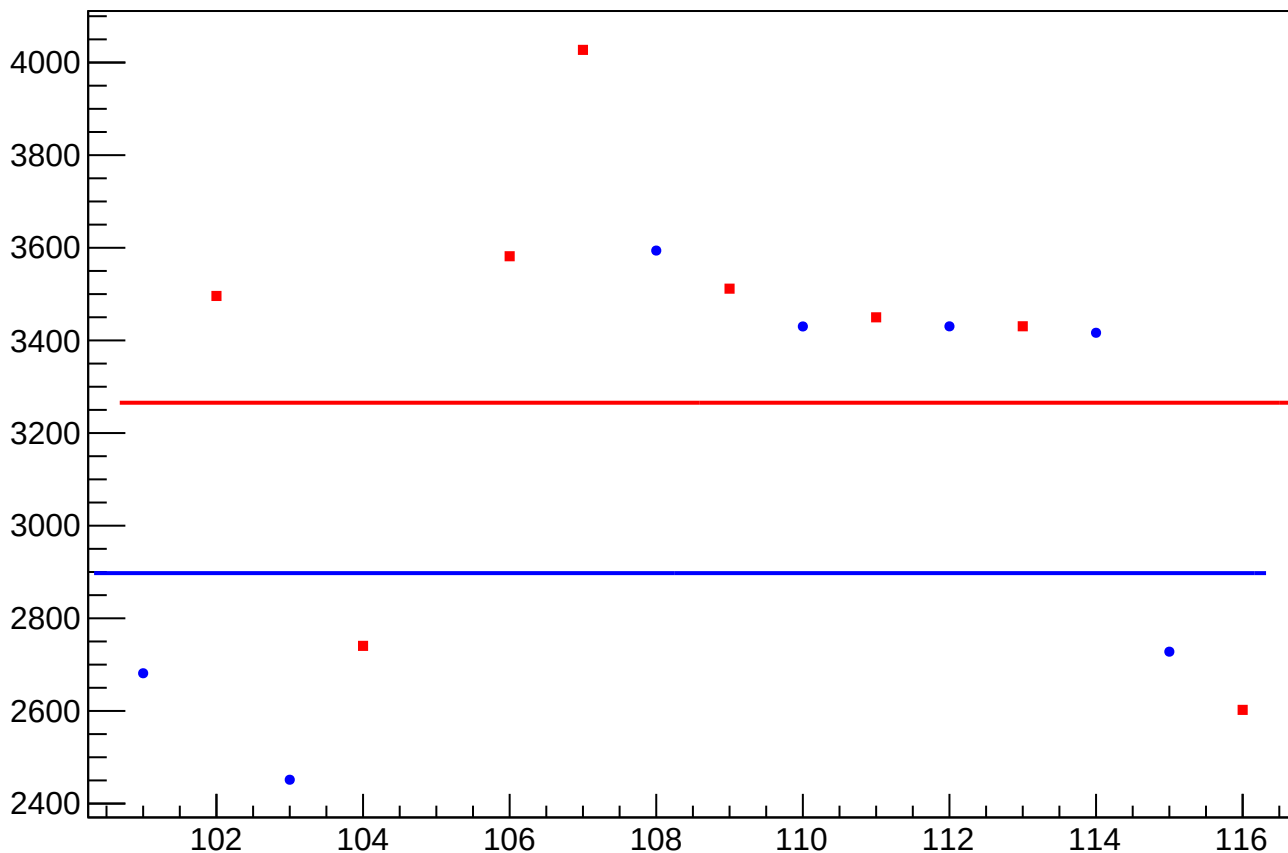
Right: 973.039+/-1283.412  $\chi^2/\text{NDF}$ : 13.4/14

In: 1446.526+/-1821.370  $\chi^2/\text{NDF}$ : 6.3/6

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

All: 973.039+/-1283.412  $\chi^2/\text{NDF}$ : 13.4/14

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



Right In:  $2897.568 \pm 1.288$   $\chi^2/\text{NDF}: 119110.2/6$

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

Right Out:  $3265.473 \pm 1.279$   $\chi^2/\text{NDF}: 111783.4/7$

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

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

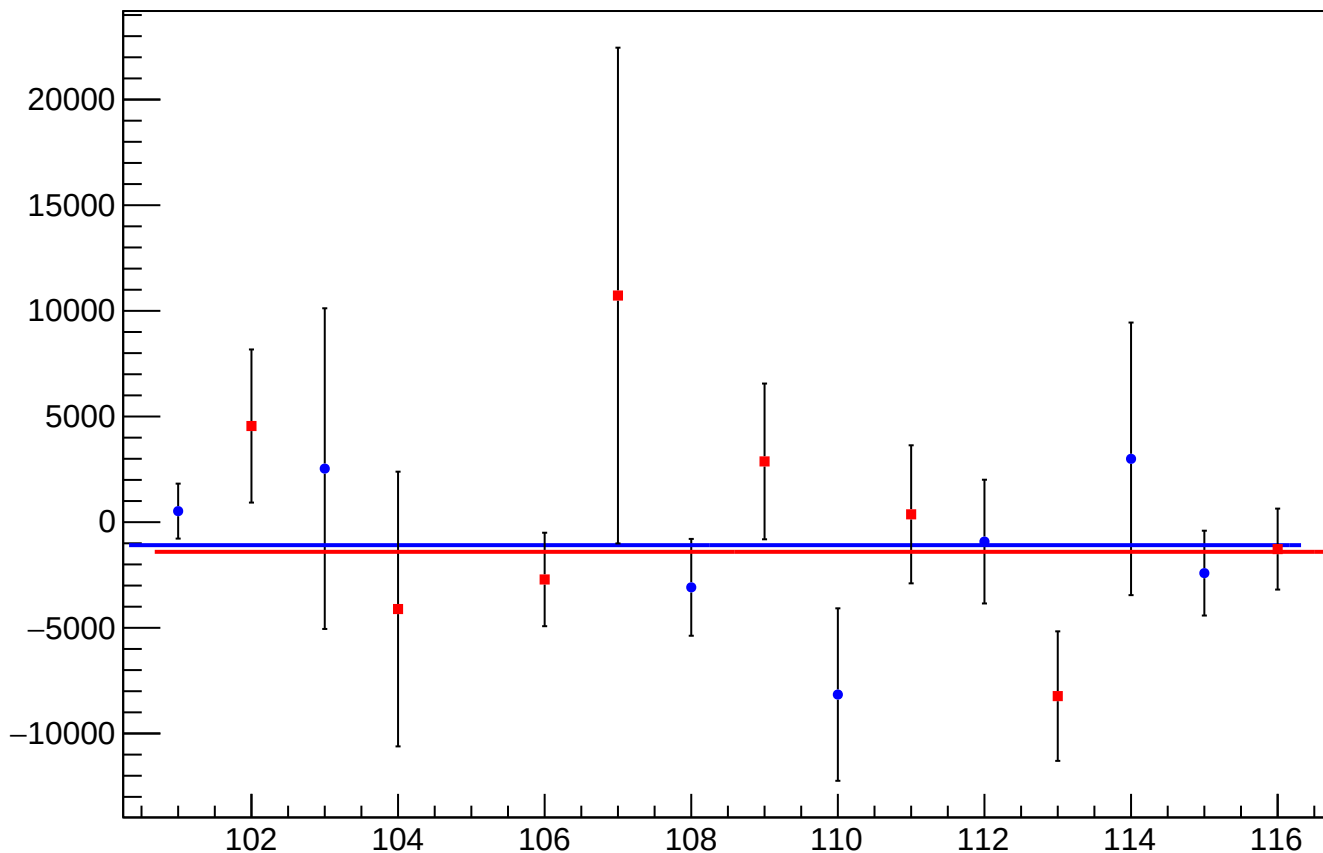
Right:  $3082.801 \pm 0.908$   $\chi^2/\text{NDF}: 271978.9/14$

In:  $2897.568 \pm 1.288$   $\chi^2/\text{NDF}: 119110.2/6$

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

All:  $3082.801 \pm 0.908$   $\chi^2/\text{NDF}: 271978.9/14$

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



Right In: -1087.820+/-895.163  $\chi^2/\text{NDF}$ : 6.4/6

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

Right Out: -1403.394+/-1079.770  $\chi^2/\text{NDF}$ : 10.9/7

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

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

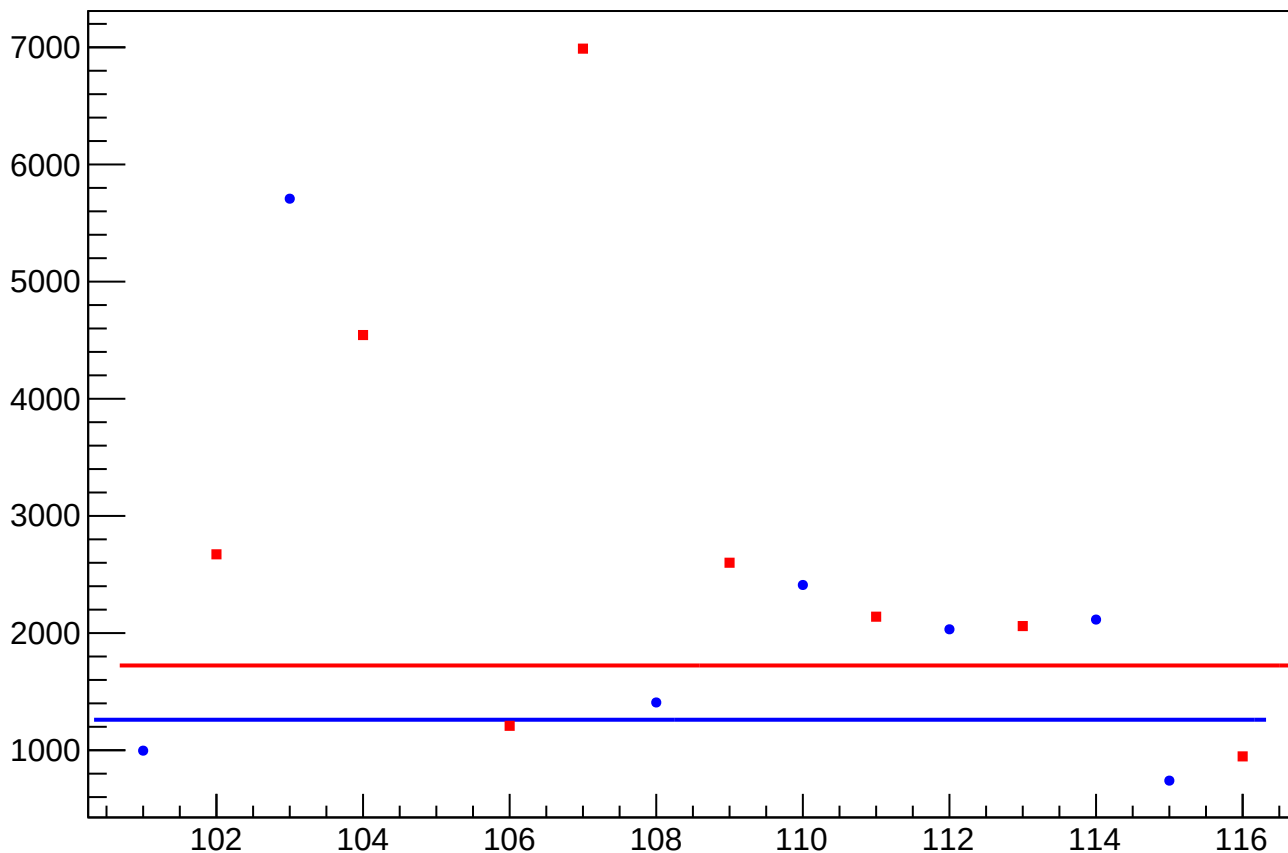
Right: -1216.364+/-689.139  $\chi^2/\text{NDF}$ : 17.3/14

In: -1087.820+/-895.163  $\chi^2/\text{NDF}$ : 6.4/6

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

All: -1216.364+/-689.139  $\chi^2/\text{NDF}$ : 17.3/14

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



Right In: 1260.248+/-0.633     $\chi^2/\text{NDF}$ : 1244920.2/6

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

Right Out: 1723.445+/-0.764     $\chi^2/\text{NDF}$ : 1523070.8/7

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

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

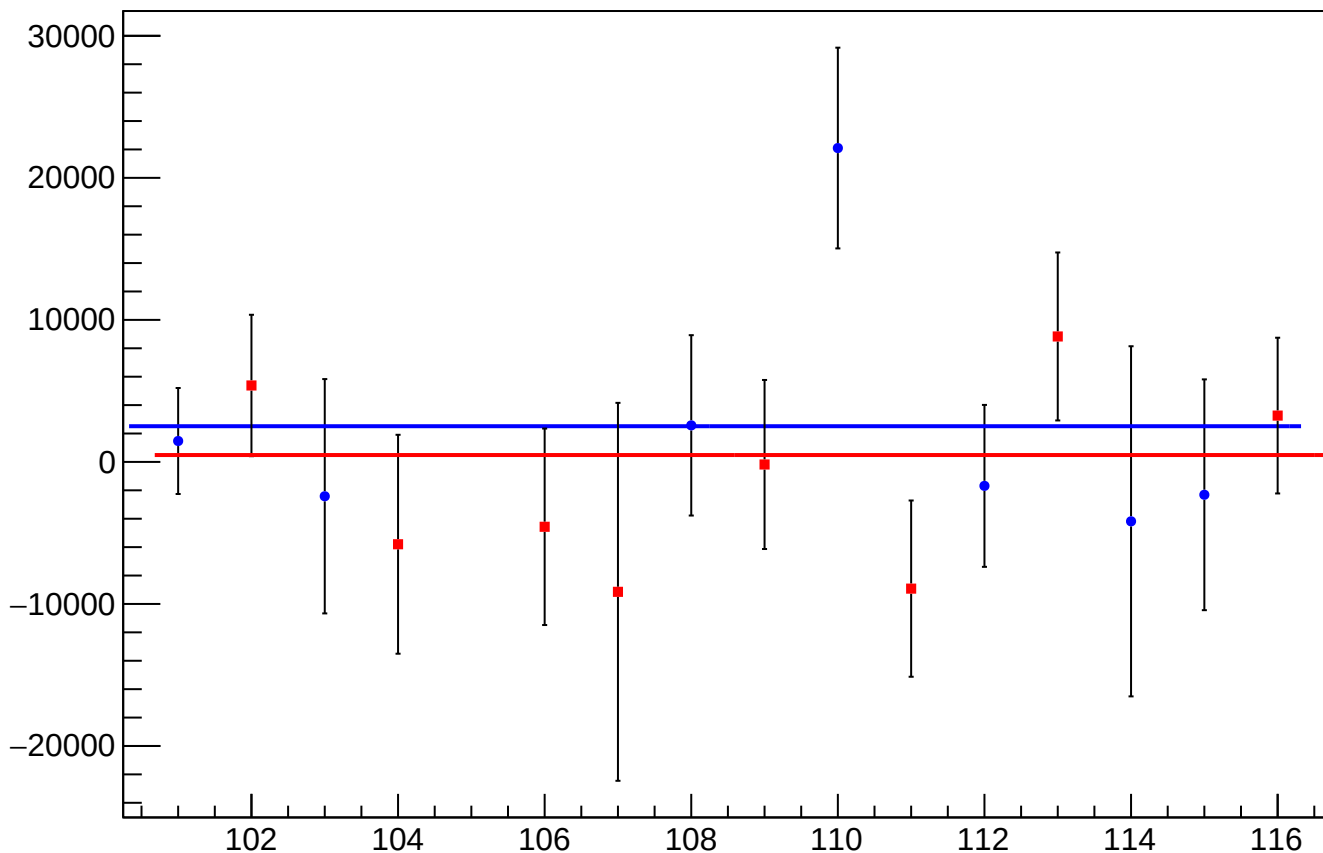
Right: 1448.924+/-0.487     $\chi^2/\text{NDF}$ : 2986116.8/14

In: 1260.248+/-0.633     $\chi^2/\text{NDF}$ : 1244920.2/6

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

All: 1448.924+/-0.487     $\chi^2/\text{NDF}$ : 2986116.8/14

# asym\_atl1\_mean vs Slug, Sign Corrected



Right In: 2513.645+/-2332.214  $\chi^2/\text{NDF}$ : 9.3/6

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

Right Out: 484.223+/-2236.987  $\chi^2/\text{NDF}$ : 7.3/7

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

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

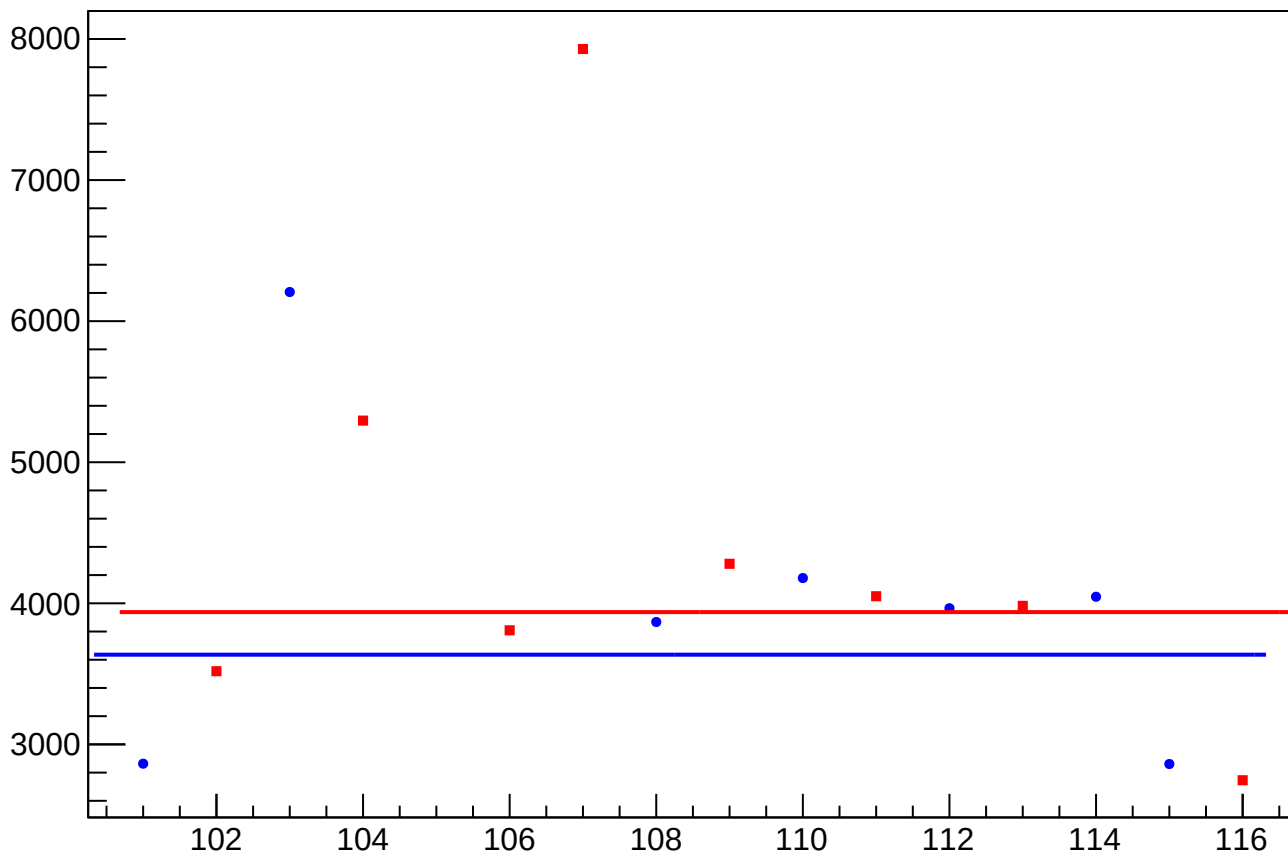
Right: 1456.657+/-1614.404  $\chi^2/\text{NDF}$ : 17.0/14

In: 2513.645+/-2332.214  $\chi^2/\text{NDF}$ : 9.3/6

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

All: 1456.657+/-1614.404  $\chi^2/\text{NDF}$ : 17.0/14

# asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 3635.859+/-1.649  $\chi^2/\text{NDF}$ : 321530.9/6

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

Right Out: 3937.683+/-1.582  $\chi^2/\text{NDF}$ : 358848.7/7

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

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

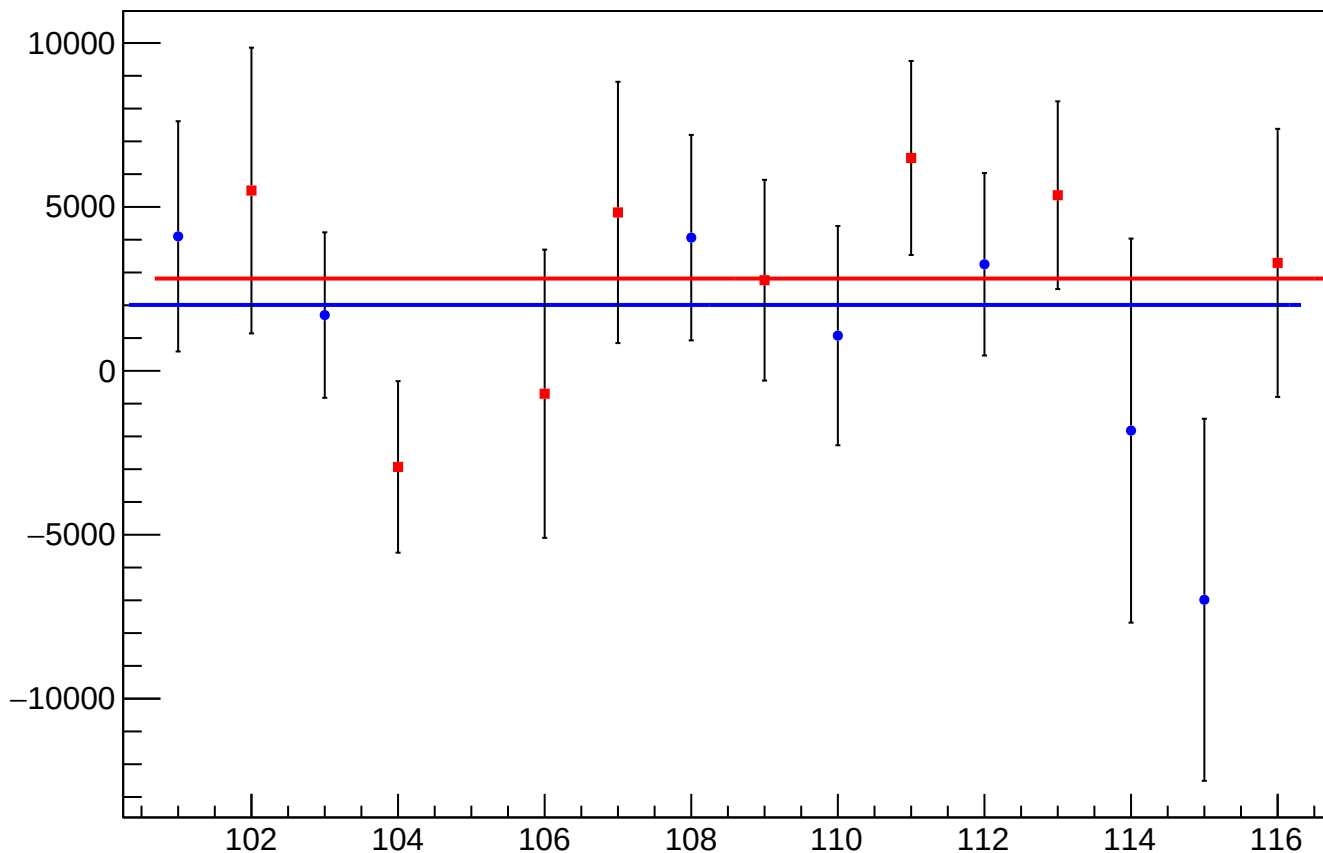
Right: 3793.058+/-1.142  $\chi^2/\text{NDF}$ : 697825.6/14

In: 3635.859+/-1.649  $\chi^2/\text{NDF}$ : 321530.9/6

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

All: 3793.058+/-1.142  $\chi^2/\text{NDF}$ : 697825.6/14

# dit\_asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 2010.269+/-1269.694  $\chi^2/\text{NDF}$ : 4.2/6

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

Right Out: 2815.159+/-1181.709  $\chi^2/\text{NDF}$ : 8.4/7

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

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

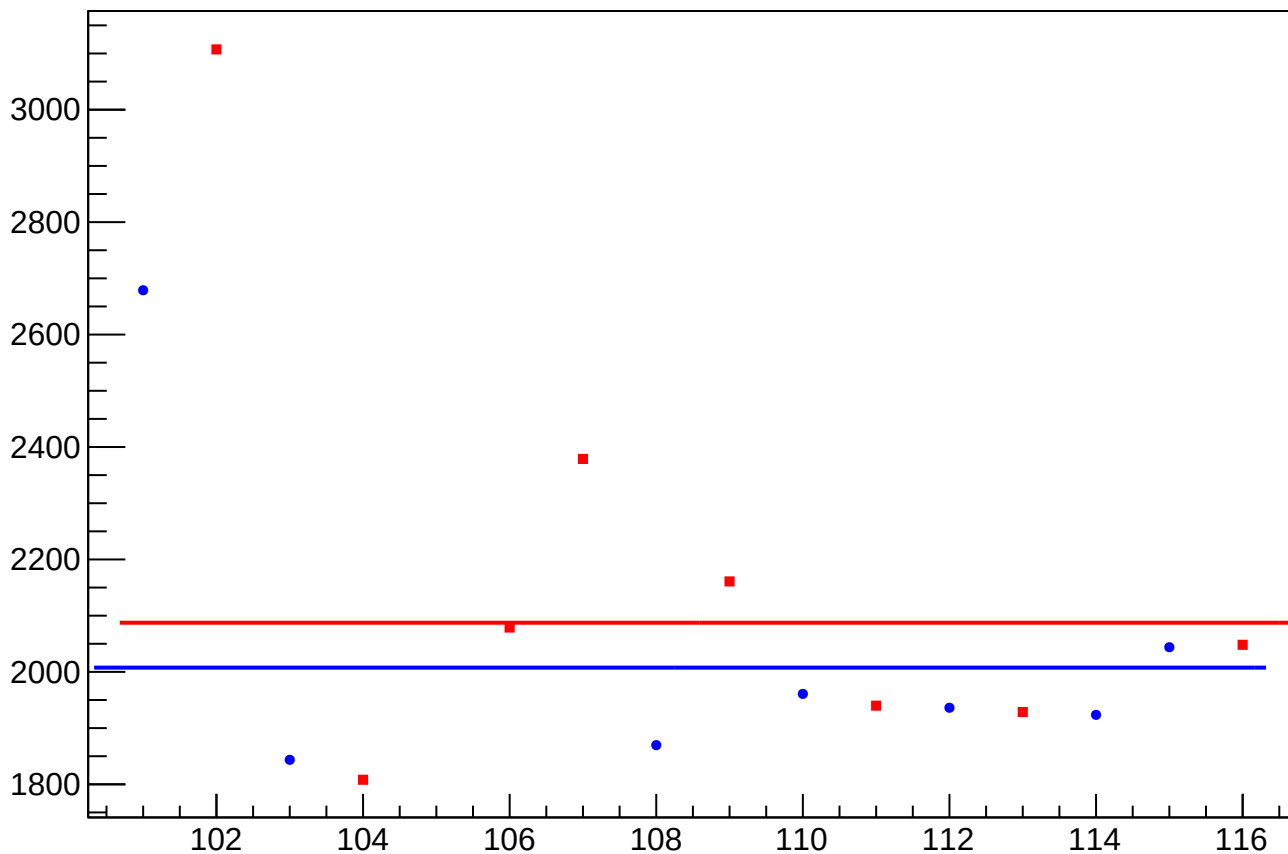
Right: 2441.565+/-865.029  $\chi^2/\text{NDF}$ : 12.8/14

In: 2010.269+/-1269.694  $\chi^2/\text{NDF}$ : 4.2/6

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

All: 2441.565+/-865.029  $\chi^2/\text{NDF}$ : 12.8/14

# dit\_asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 2007.583+/-0.898  $\chi^2/\text{NDF}$ : 87586.6/6

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

Right Out: 2087.487+/-0.833  $\chi^2/\text{NDF}$ : 155502.9/7

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

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

Right: 2050.523+/-0.611  $\chi^2/\text{NDF}$ : 247346.2/14

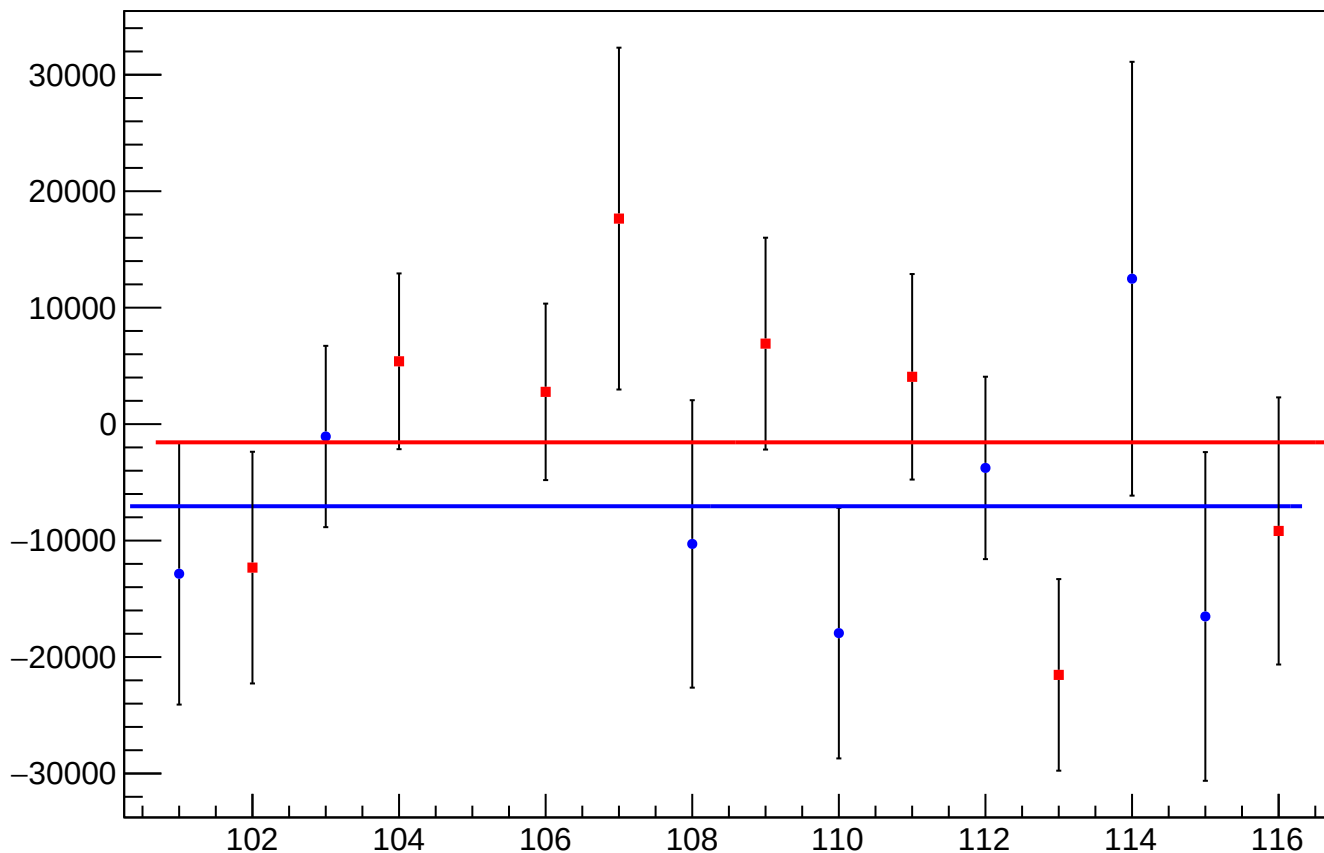
In: 2007.583+/-0.898  $\chi^2/\text{NDF}$ : 87586.6/6

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

All: 2050.523+/-0.611  $\chi^2/\text{NDF}$ : 247346.2/14



asym\_atl2\_correction\_mean vs Slug, Sign Corrected



Right In: -7050.607+/-3957.871  $\chi^2/\text{NDF}$ : 3.7/6

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

Right Out: -1563.163+/-3210.038  $\chi^2/\text{NDF}$ : 11.7/7

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

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

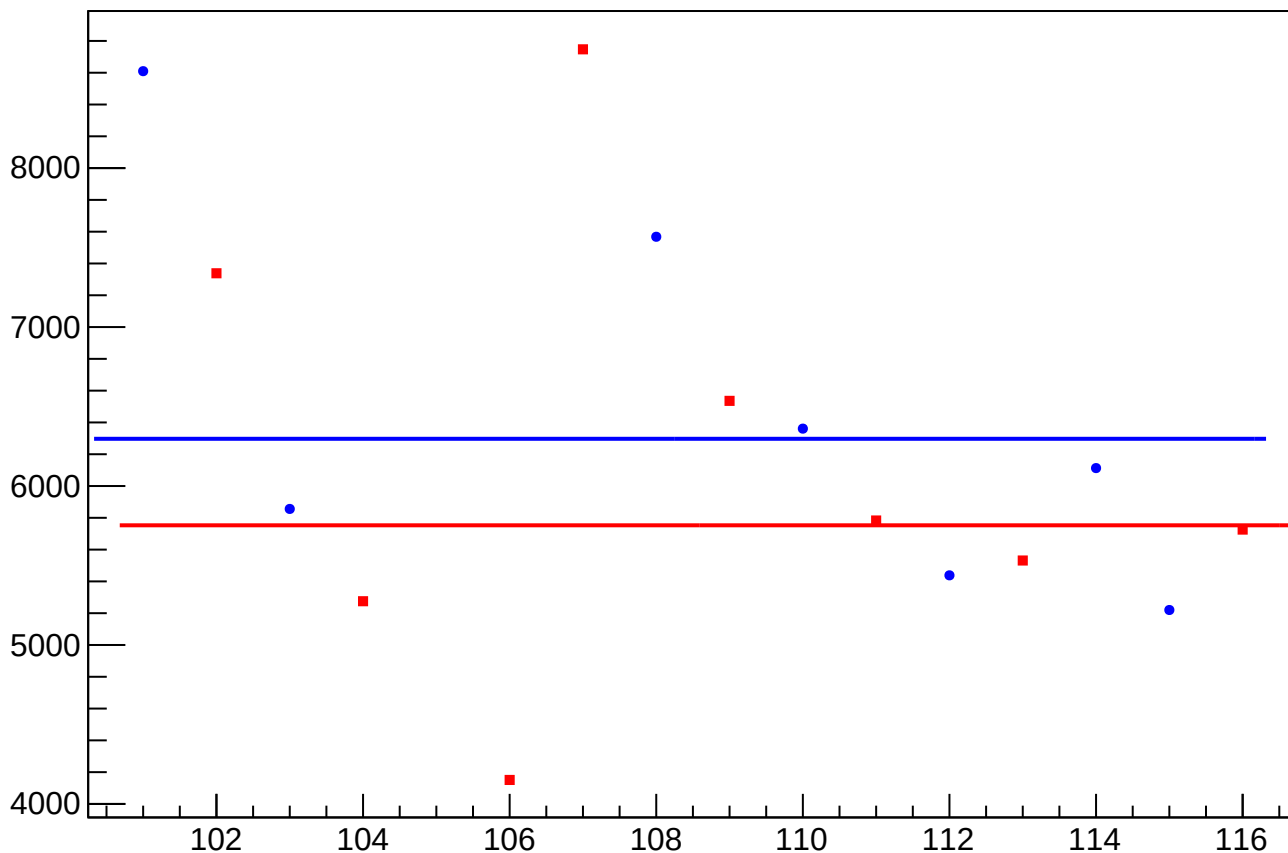
Right: -3740.541+/-2493.122  $\chi^2/\text{NDF}$ : 16.5/14

In: -7050.607+/-3957.871  $\chi^2/\text{NDF}$ : 3.7/6

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

All: -3740.541+/-2493.122  $\chi^2/\text{NDF}$ : 16.5/14

# asym\_atl2\_correction\_rms vs Slug, Sign Corrected



Right In: 6297.109+/-2.799  $\chi^2/\text{NDF}$ : 148383.4/6

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

Right Out: 5752.873+/-2.270  $\chi^2/\text{NDF}$ : 247782.4/7

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

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

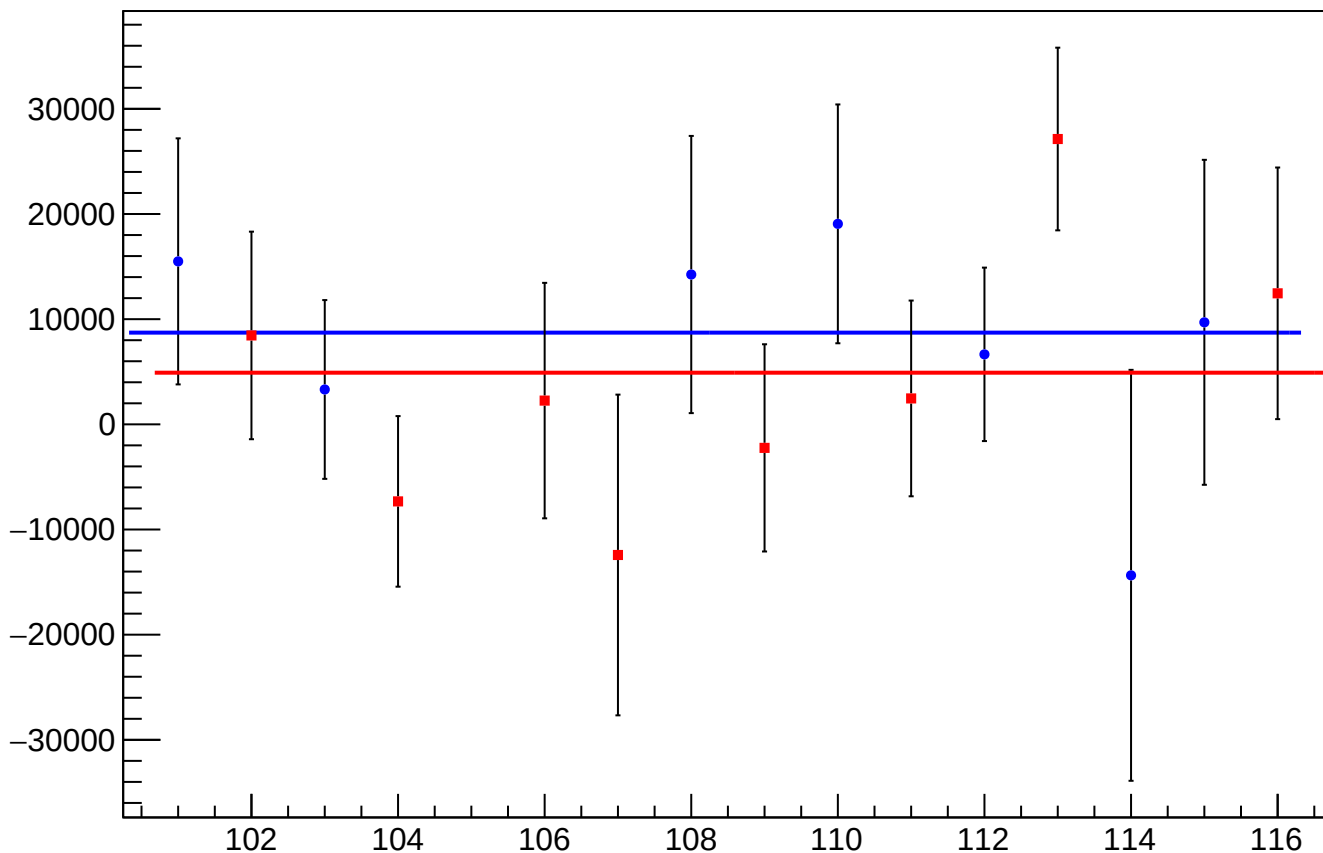
Right: 5968.822+/-1.763  $\chi^2/\text{NDF}$ : 418976.9/14

In: 6297.109+/-2.799  $\chi^2/\text{NDF}$ : 148383.4/6

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

All: 5968.822+/-1.763  $\chi^2/\text{NDF}$ : 418976.9/14

# asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 8720.806+/-4219.167  $\chi^2/\text{NDF}$ : 3.2/6

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

Right Out: 4911.094+/-3538.963  $\chi^2/\text{NDF}$ : 11.3/7

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

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

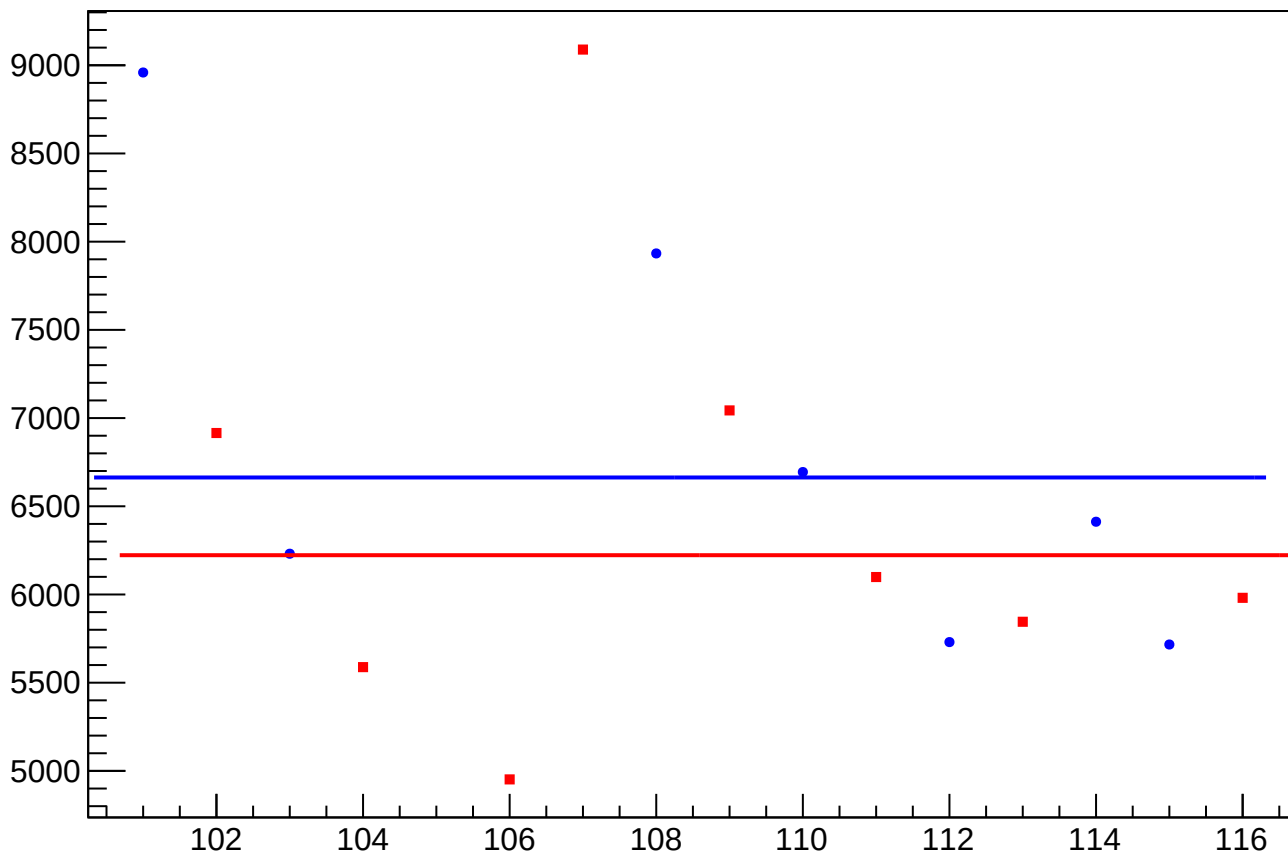
Right: 6484.477+/-2711.427  $\chi^2/\text{NDF}$ : 15.0/14

In: 8720.806+/-4219.167  $\chi^2/\text{NDF}$ : 3.2/6

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

All: 6484.477+/-2711.427  $\chi^2/\text{NDF}$ : 15.0/14

# asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 6663.276+/-2.983  $\chi^2/\text{NDF}$ : 134221.6/6

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

Right Out: 6222.708+/-2.502  $\chi^2/\text{NDF}$ : 137375.2/7

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

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

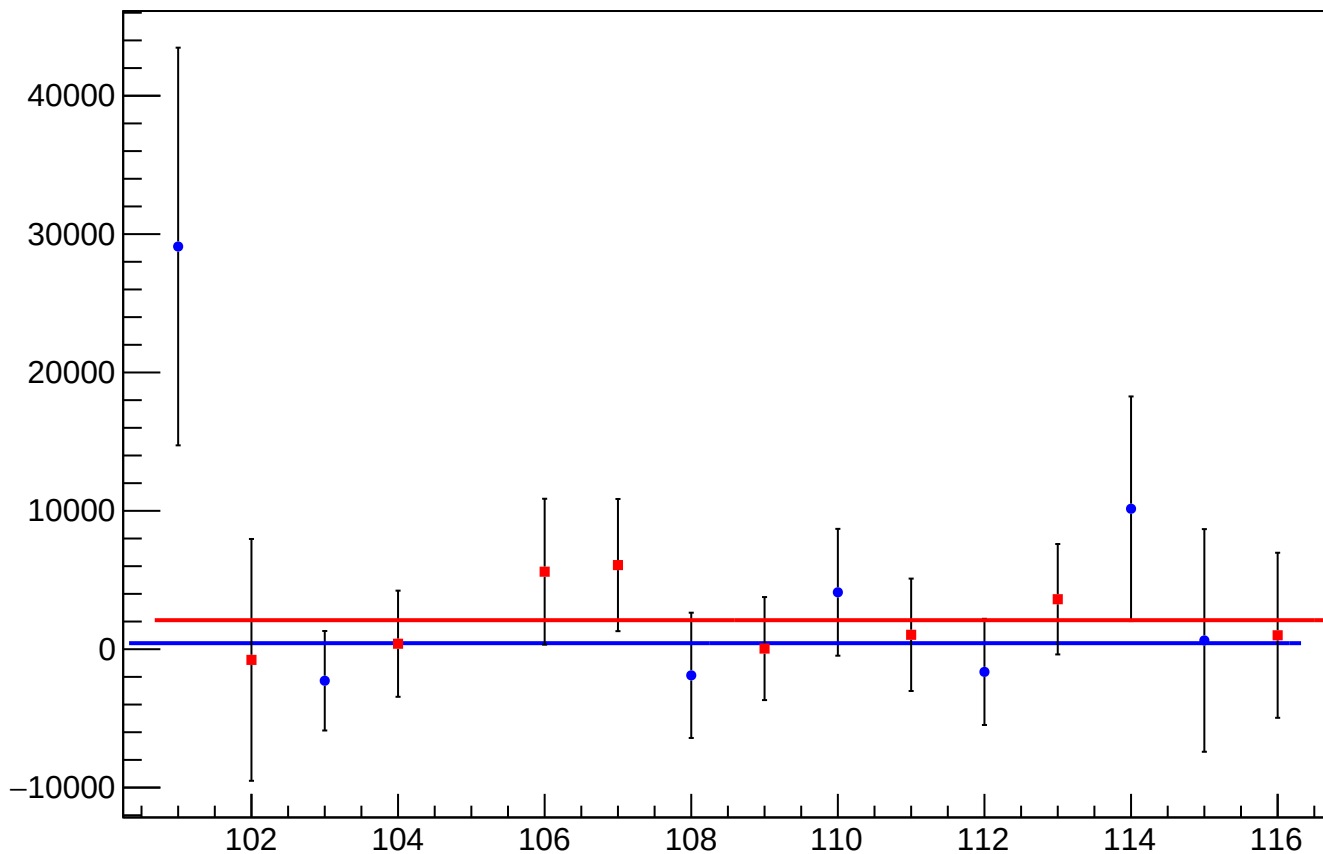
Right: 6404.641+/-1.917  $\chi^2/\text{NDF}$ : 284399.1/14

In: 6663.276+/-2.983  $\chi^2/\text{NDF}$ : 134221.6/6

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

All: 6404.641+/-1.917  $\chi^2/\text{NDF}$ : 284399.1/14

# dit\_asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 435.788+/-1899.540  $\chi^2/\text{NDF}$ : 7.2/6

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

Right Out: 2097.515+/-1612.544  $\chi^2/\text{NDF}$ : 2.0/7

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

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

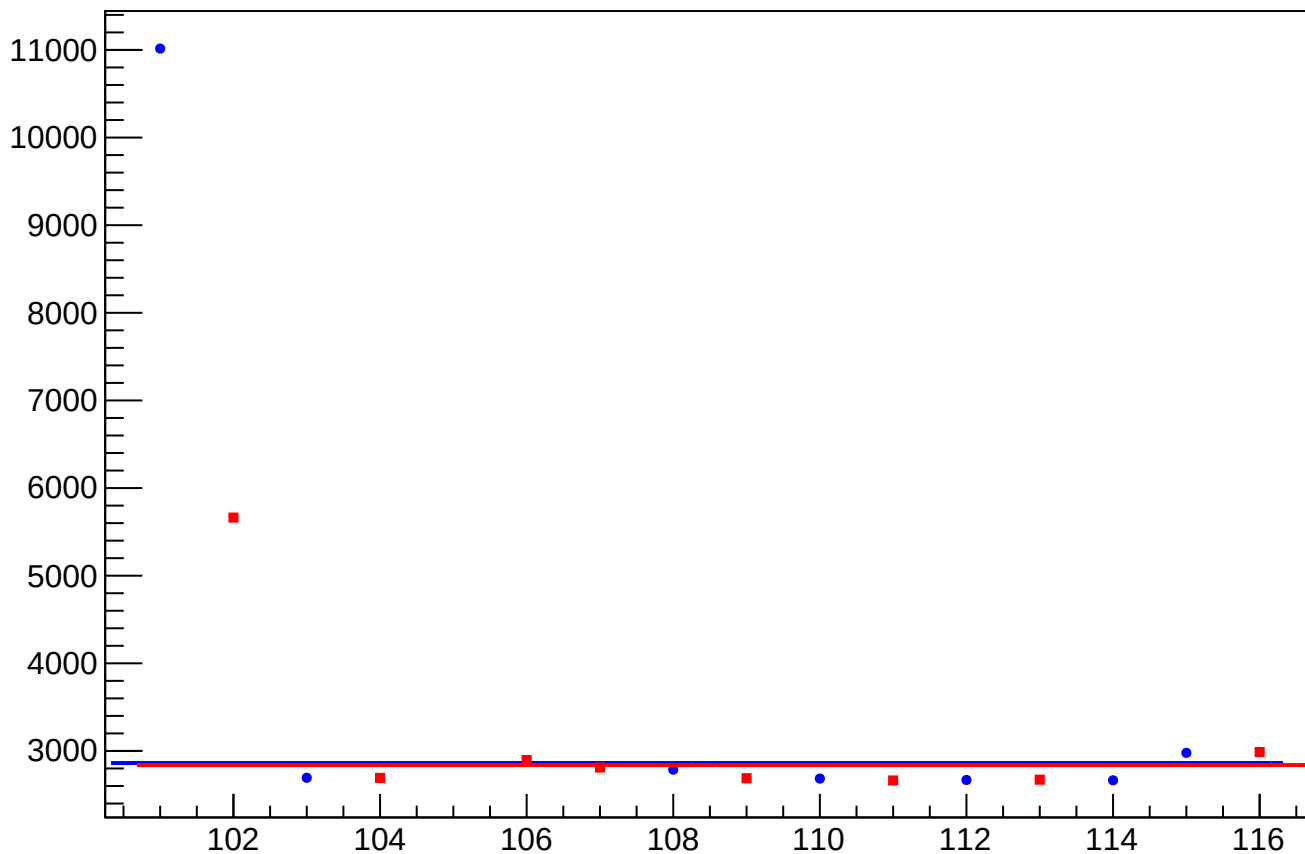
Right: 1401.541+/-1229.320  $\chi^2/\text{NDF}$ : 9.6/14

In: 435.788+/-1899.540  $\chi^2/\text{NDF}$ :7.2/6

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

All: 1401.541+/-1229.320  $\chi^2/\text{NDF}$ : 9.6/14

# dit\_asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2862.143+/-1.343  $\chi^2/\text{NDF}$ : 658407.5/6

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

Right Out: 2839.107+/-1.140  $\chi^2/\text{NDF}$ : 223922.8/7

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

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

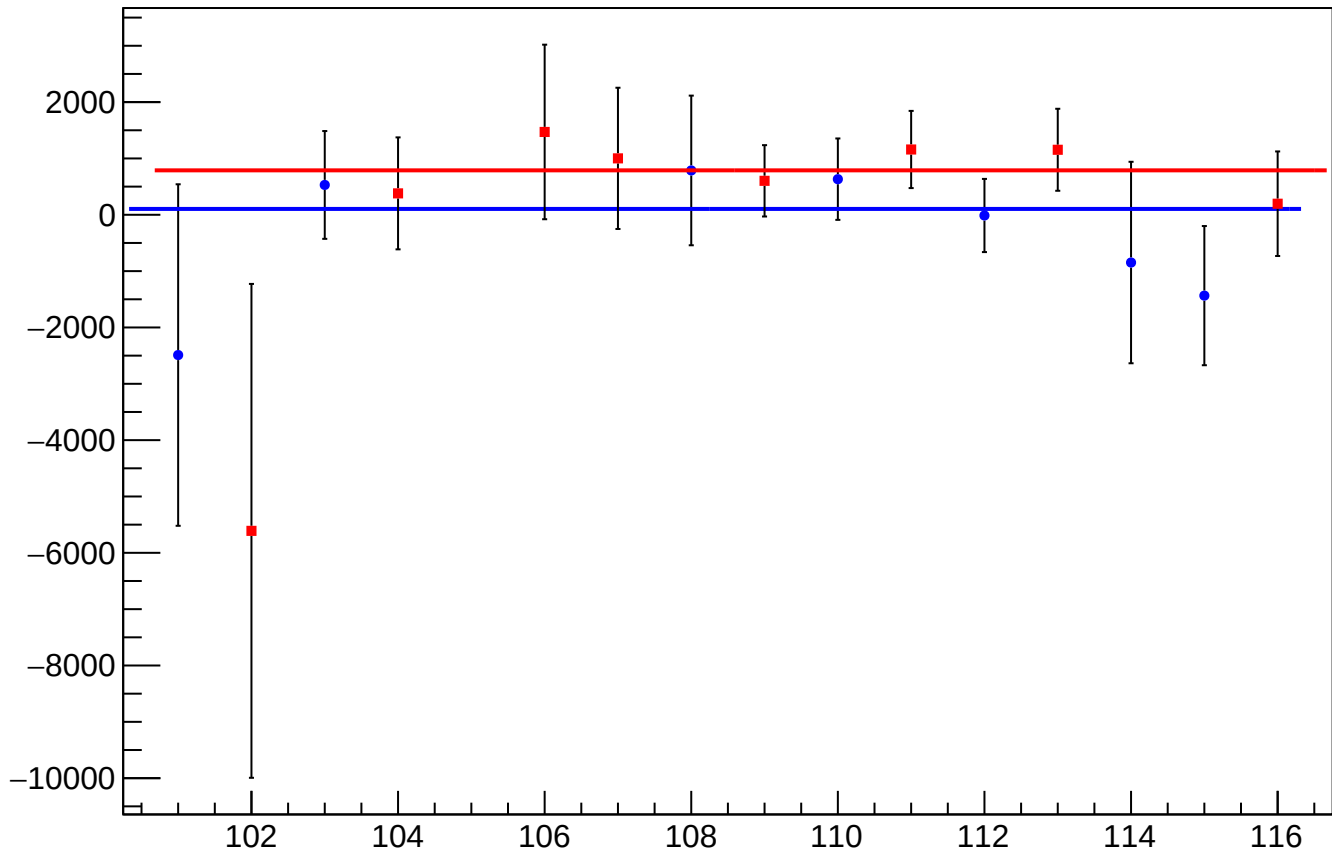
Right: 2848.755+/-0.869  $\chi^2/\text{NDF}$ : 882501.3/14

In: 2862.143+/-1.343  $\chi^2/\text{NDF}$ : 658407.5/6

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

All: 2848.755+/-0.869  $\chi^2/\text{NDF}$ : 882501.3/14

# asym\_atr1\_correction\_mean vs Slug, Sign Corrected



Right In: 103.920+/-377.349  $\chi^2/\text{NDF}$ : 3.6/6

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

Right Out: 788.664+/-319.549  $\chi^2/\text{NDF}$ : 3.6/7

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

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

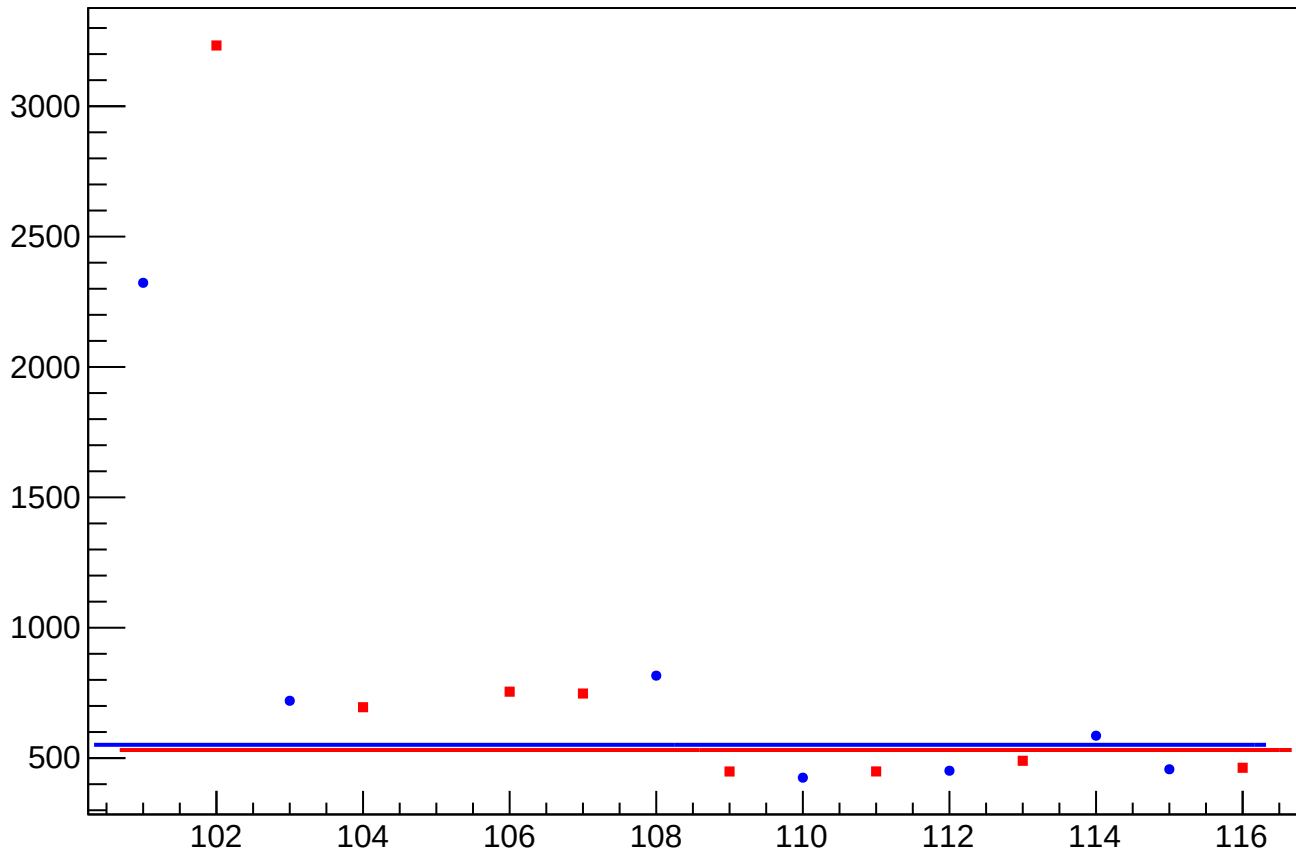
Right: 502.696+/-243.859  $\chi^2/\text{NDF}$ : 9.1/14

In: 103.920+/-377.349  $\chi^2/\text{NDF}$ : 3.6/6

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

All: 502.696+/-243.859  $\chi^2/\text{NDF}$ : 9.1/14

# asym\_atr1\_correction\_rms vs Slug, Sign Corrected



Right In: 550.990+/-0.267  $\chi^2/\text{NDF}$ : 945550.3/6

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

Right Out: 531.047+/-0.226  $\chi^2/\text{NDF}$ : 995909.7/7

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

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

Right: 539.376+/-0.172  $\chi^2/\text{NDF}$ : 1944713.5/14

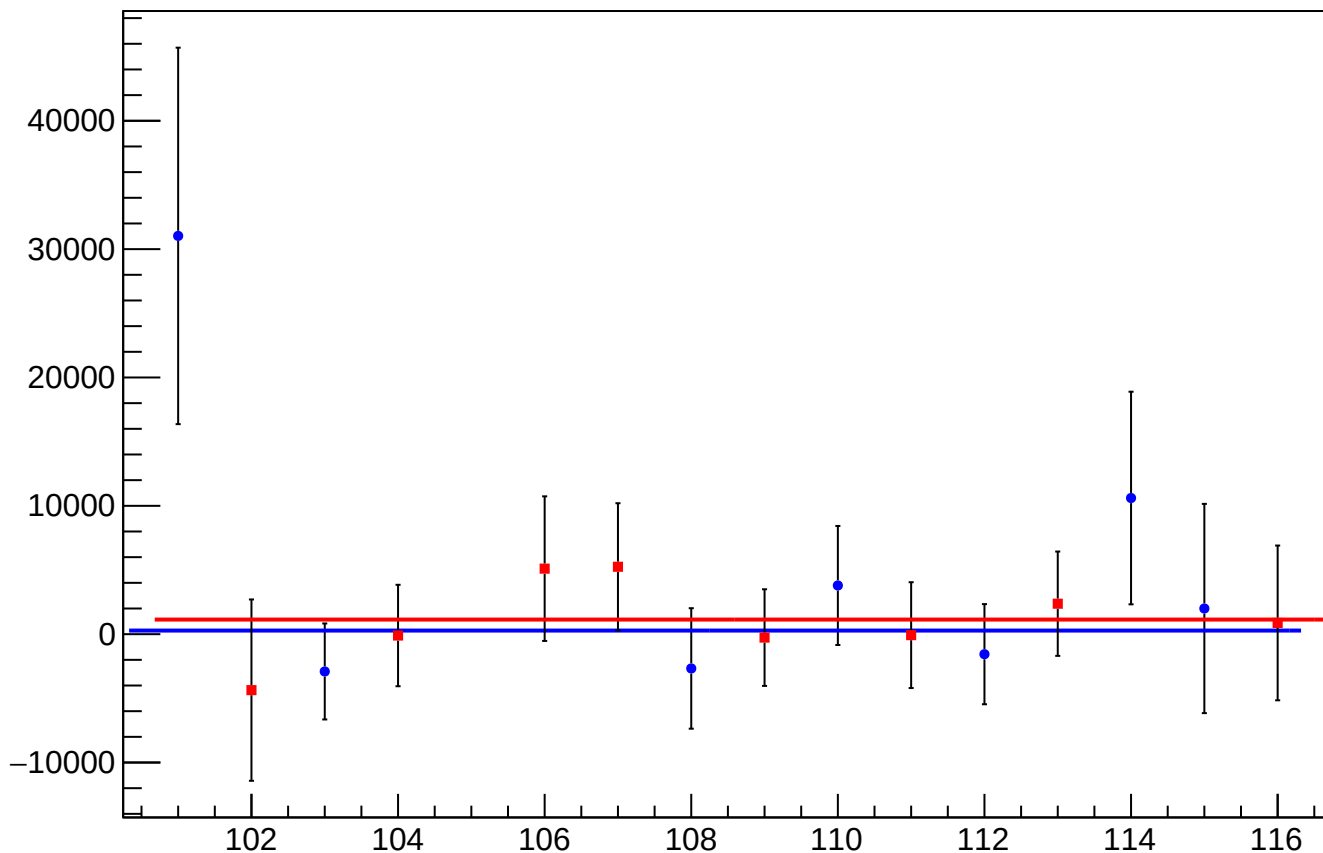
In: 550.990+/-0.267  $\chi^2/\text{NDF}$ : 945550.3/6

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

All: 539.376+/-0.172  $\chi^2/\text{NDF}$ : 1944713.5/14



# asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 281.230+/-1948.727  $\chi^2/\text{NDF}$ : 7.9/6

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

Right Out: 1138.792+/-1635.635  $\chi^2/\text{NDF}$ : 2.2/7

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

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

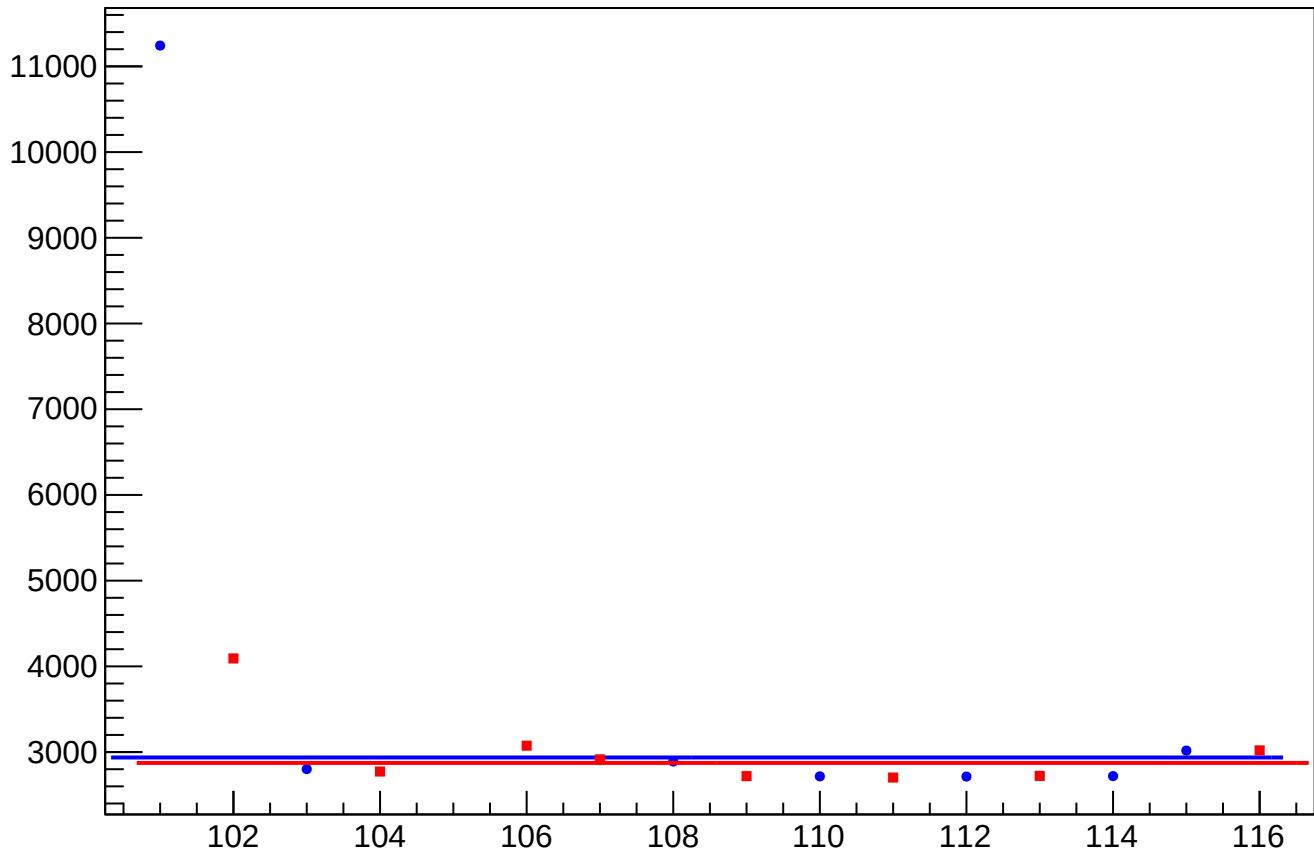
Right: 784.351+/-1252.824  $\chi^2/\text{NDF}$ : 10.2/14

In: 281.230+/-1948.727  $\chi^2/\text{NDF}$ : 7.9/6

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

All: 784.351+/-1252.824  $\chi^2/\text{NDF}$ : 10.2/14

# asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2936.902+/-1.378  $\chi^2/\text{NDF}$ : 656854.4/6

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

Right Out: 2873.550+/-1.157  $\chi^2/\text{NDF}$ : 74249.8/7

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

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

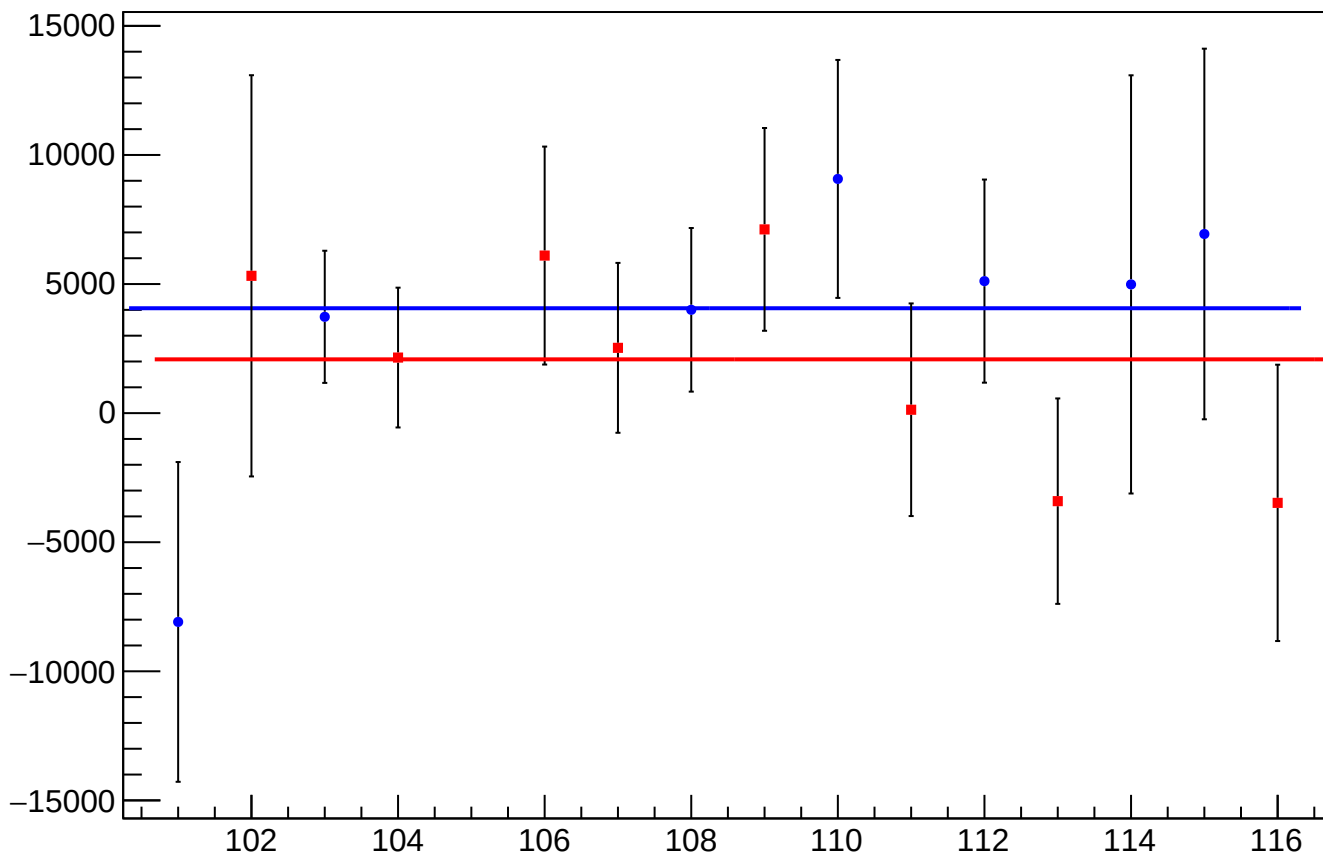
Right: 2899.734+/-0.886  $\chi^2/\text{NDF}$ : 732344.3/14

In: 2936.902+/-1.378  $\chi^2/\text{NDF}$ : 656854.4/6

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

All: 2899.734+/-0.886  $\chi^2/\text{NDF}$ : 732344.3/14

# dit\_asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 4062.828+/-1534.579  $\chi^2/\text{NDF}$ : 5.3/6

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

Right Out: 2083.151+/-1382.305  $\chi^2/\text{NDF}$ : 6.0/7

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

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

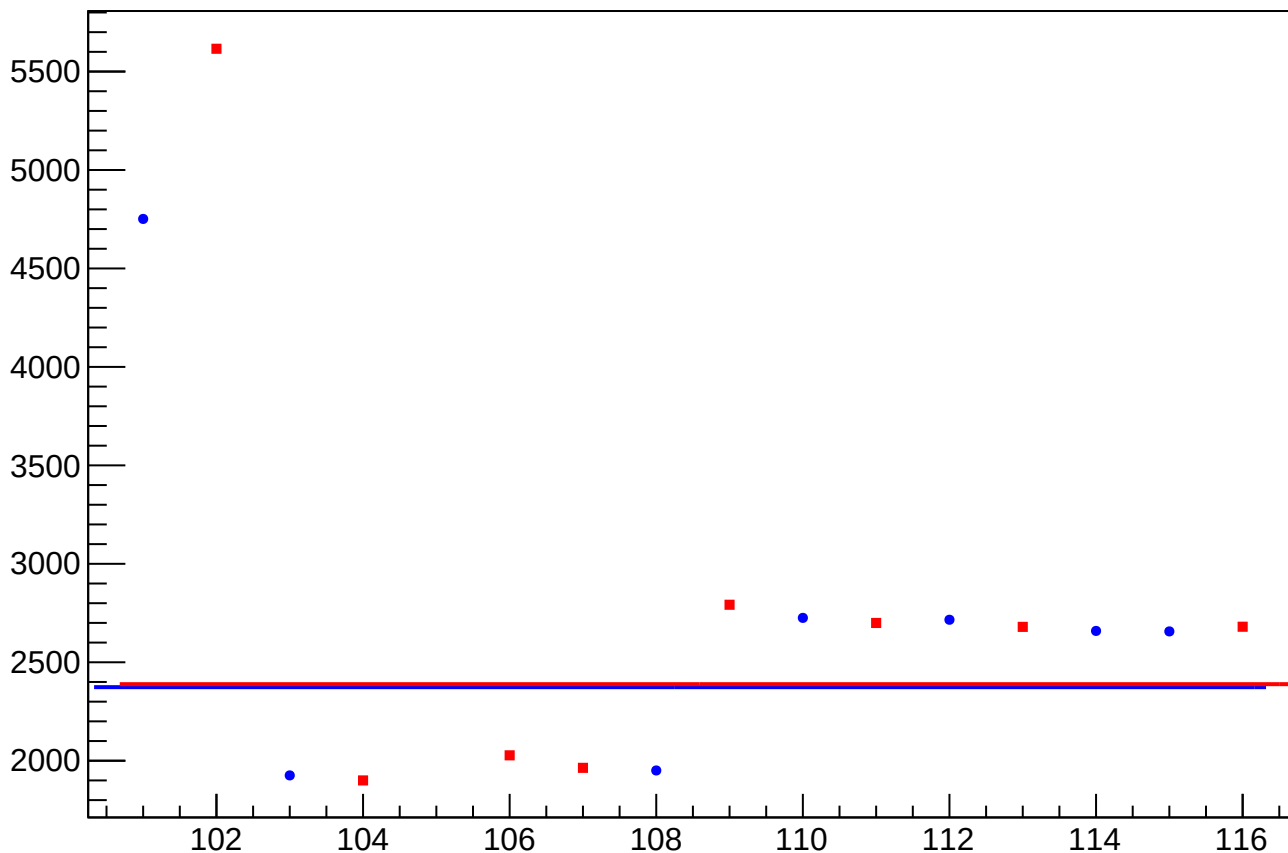
Right: 2969.923+/-1027.065  $\chi^2/\text{NDF}$ : 12.2/14

In: 4062.828+/-1534.579  $\chi^2/\text{NDF}$ : 5.3/6

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

All: 2969.923+/-1027.065  $\chi^2/\text{NDF}$ : 12.2/14

# dit\_asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 2373.640+/-1.085  $\chi^2/\text{NDF}$ : 424223.1/6

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

Right Out: 2388.791+/-0.977  $\chi^2/\text{NDF}$ : 507433.0/7

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

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

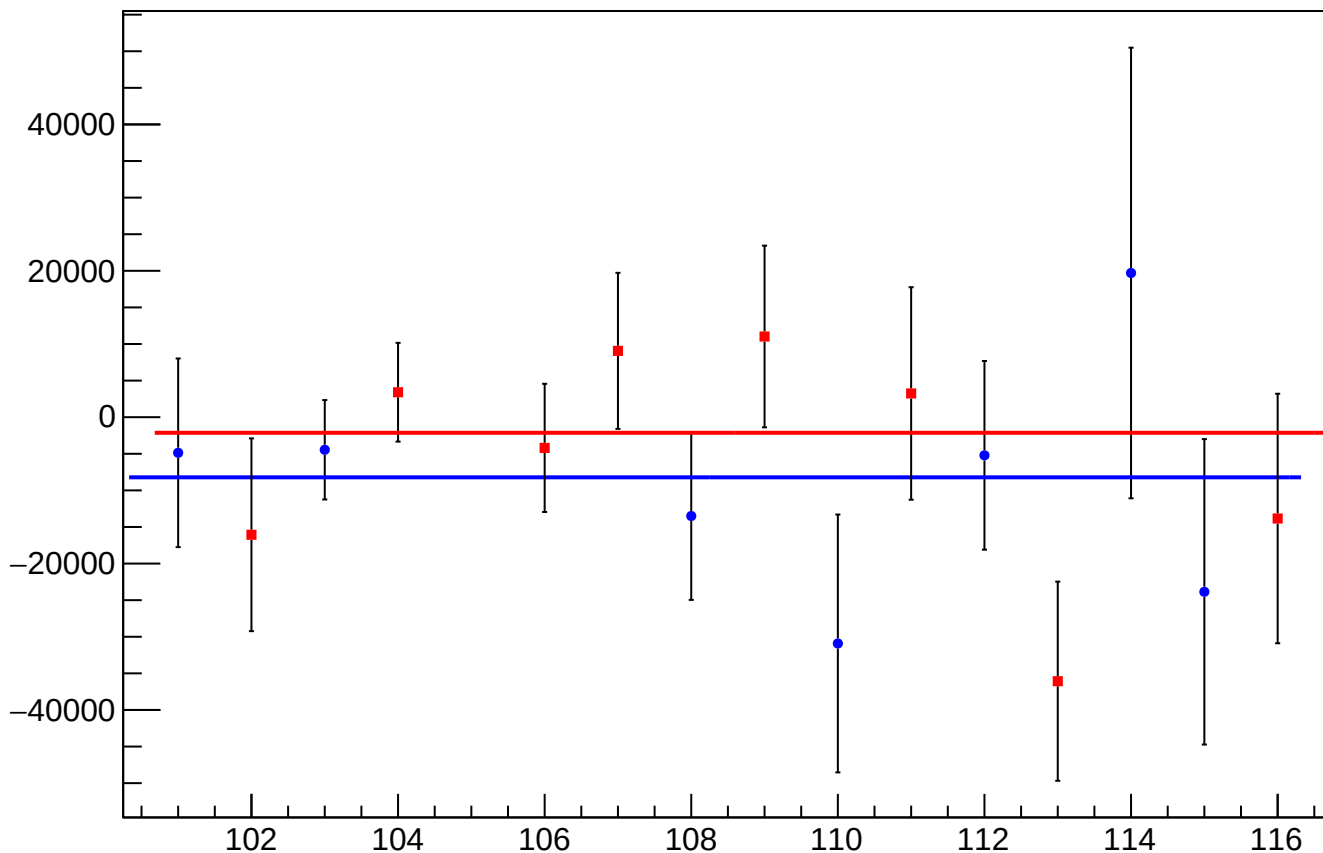
Right: 2382.010+/-0.726  $\chi^2/\text{NDF}$ : 931763.8/14

In: 2373.640+/-1.085  $\chi^2/\text{NDF}$ : 424223.1/6

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

All: 2382.010+/-0.726  $\chi^2/\text{NDF}$ : 931763.8/14

# asym\_atr2\_correction\_mean vs Slug, Sign Corrected



Right In: -8215.263+/-4569.026  $\chi^2/\text{NDF}$ : 3.7/6

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

Right Out: -2128.948+/-3789.329  $\chi^2/\text{NDF}$ : 10.9/7

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

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

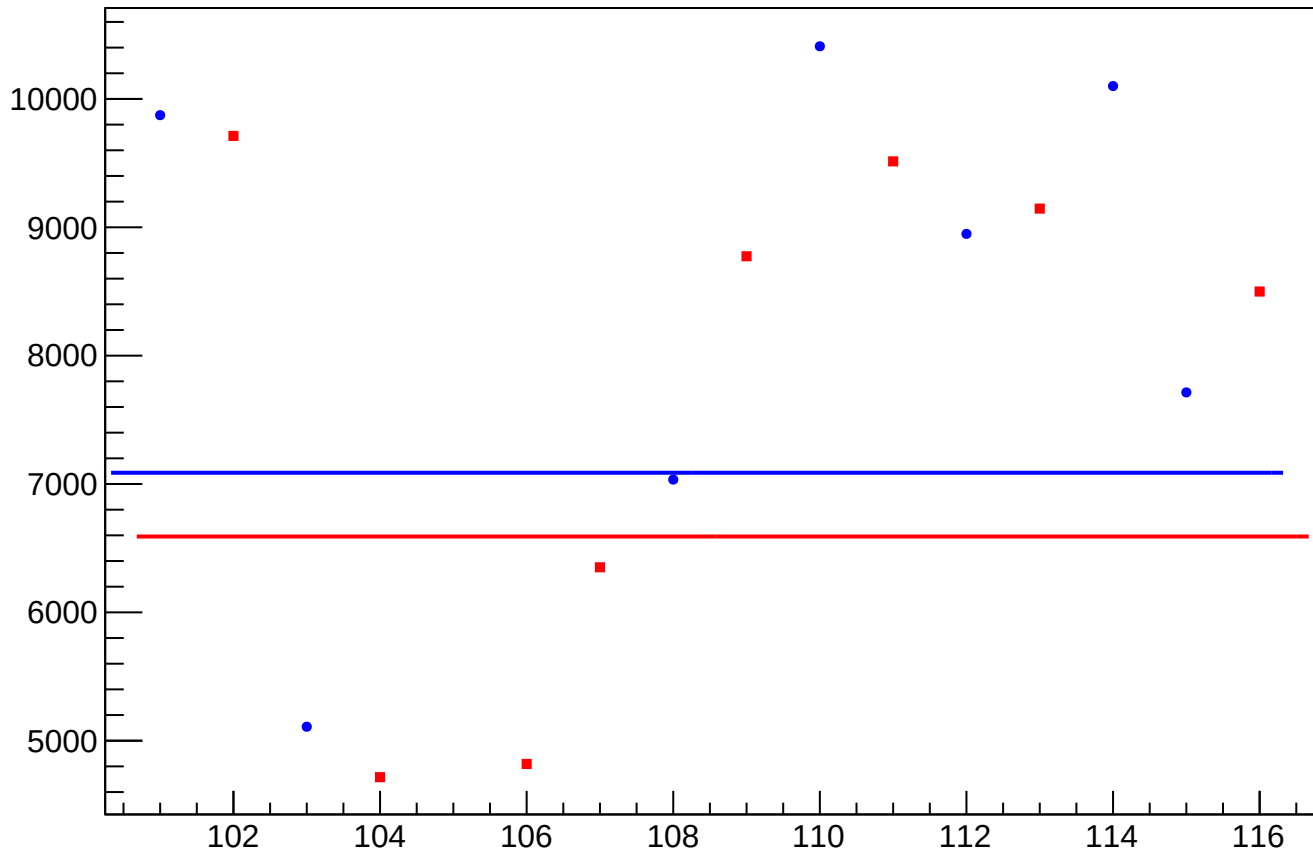
Right: -4609.251+/-2916.747  $\chi^2/\text{NDF}$ : 15.6/14

In: -8215.263+/-4569.026  $\chi^2/\text{NDF}$ : 3.7/6

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

All: -4609.251+/-2916.747  $\chi^2/\text{NDF}$ : 15.6/14

# asym\_atr2\_correction\_rms vs Slug, Sign Corrected



Right In: 7087.618+/-3.231  $\chi^2/\text{NDF}$ : 397054.0/6

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

Right Out: 6591.089+/-2.679  $\chi^2/\text{NDF}$ : 588178.2/7

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

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

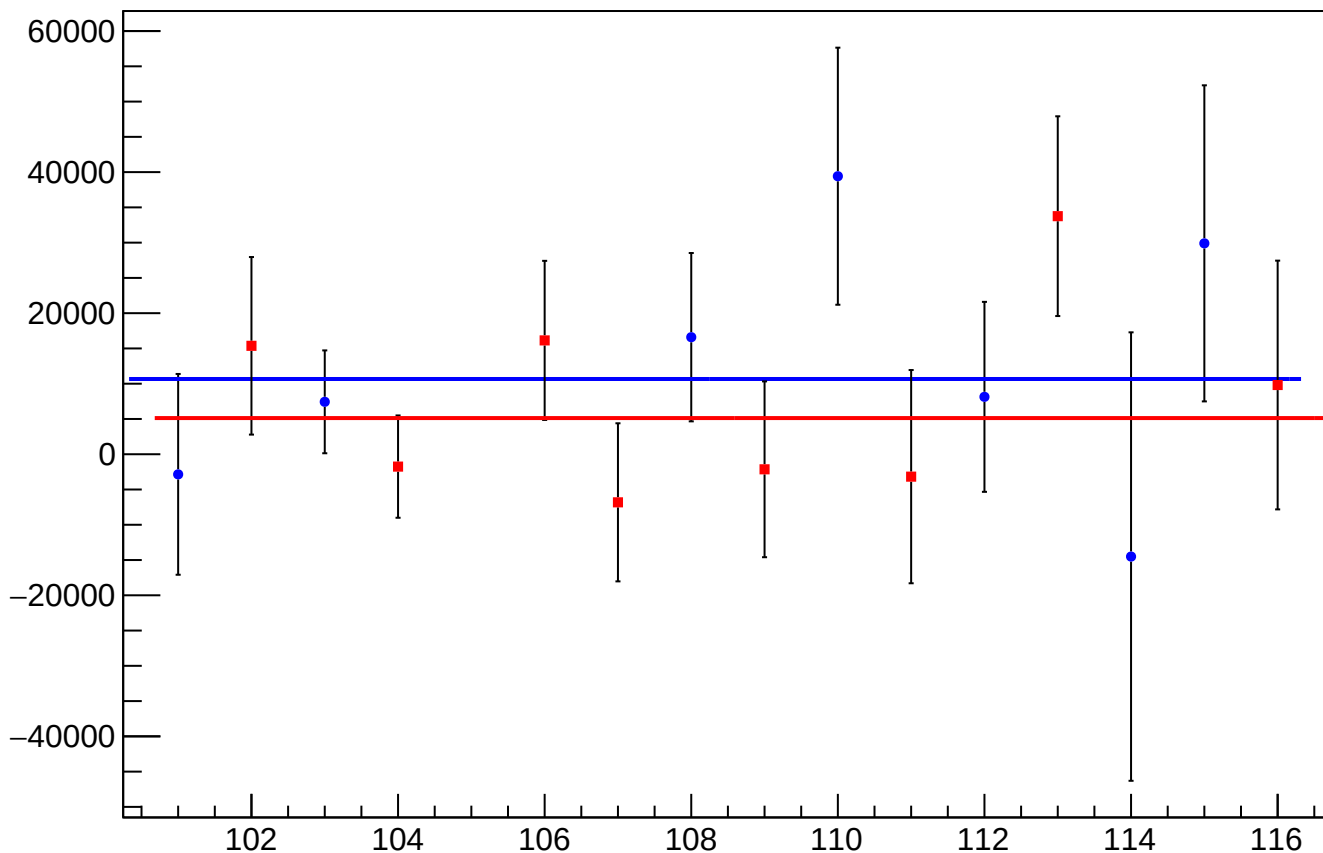
Right: 6793.435+/-2.062  $\chi^2/\text{NDF}$ : 999226.4/14

In: 7087.618+/-3.231  $\chi^2/\text{NDF}$ : 397054.0/6

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

All: 6793.435+/-2.062  $\chi^2/\text{NDF}$ : 999226.4/14

# asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 10668.265+/-4863.890  $\chi^2/\text{NDF}$ : 5.2/6

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

Right Out: 5128.025+/-4077.154  $\chi^2/\text{NDF}$ : 8.5/7

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

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

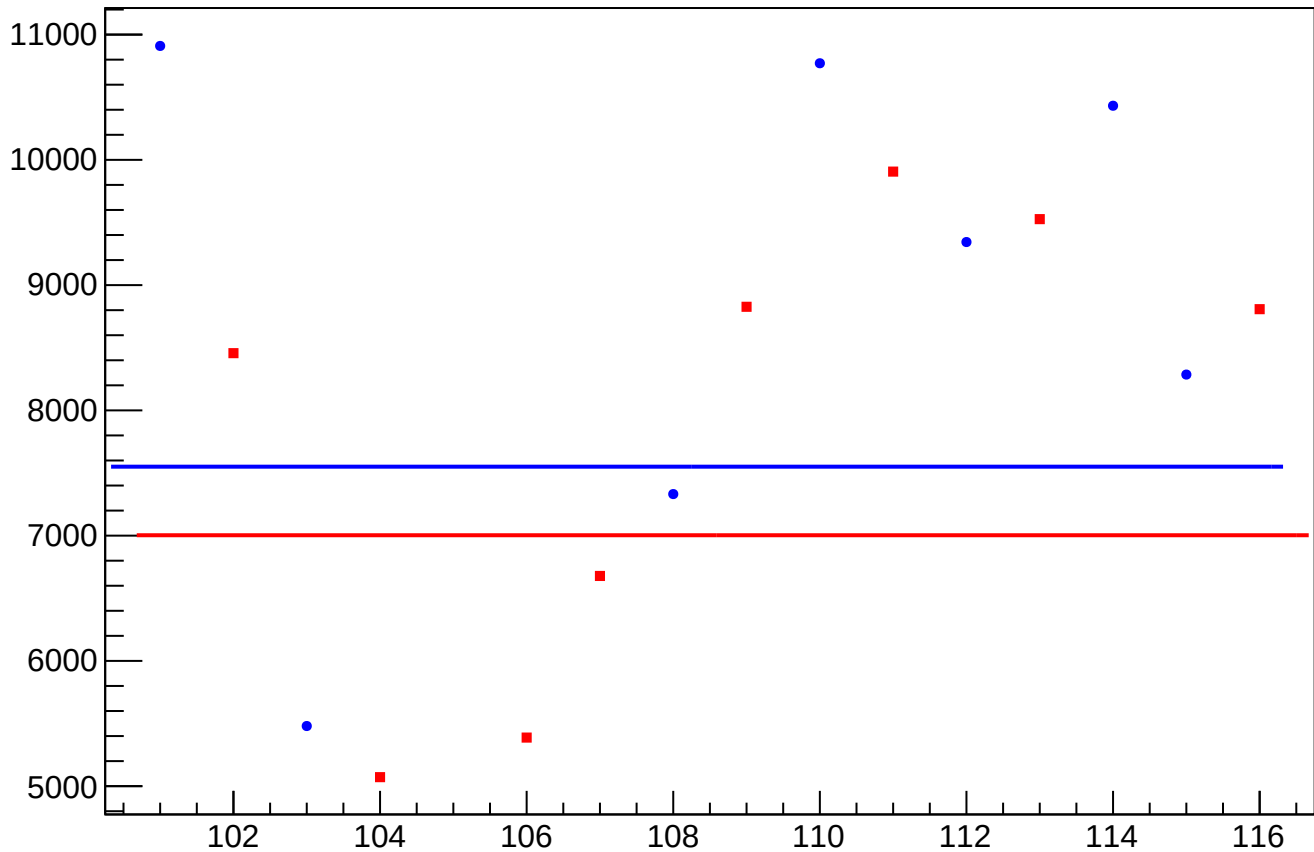
Right: 7414.396+/-3124.589  $\chi^2/\text{NDF}$ : 14.4/14

In: 10668.265+/-4863.890  $\chi^2/\text{NDF}$ : 5.2/6

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

All: 7414.396+/-3124.589  $\chi^2/\text{NDF}$ : 14.4/14

# asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 7550.596+/-3.439  $\chi^2/\text{NDF}$ : 389797.4/6

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

Right Out: 7003.177+/-2.883  $\chi^2/\text{NDF}$ : 412258.4/7

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

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

Right: 7229.073+/-2.209  $\chi^2/\text{NDF}$ : 816935.5/14

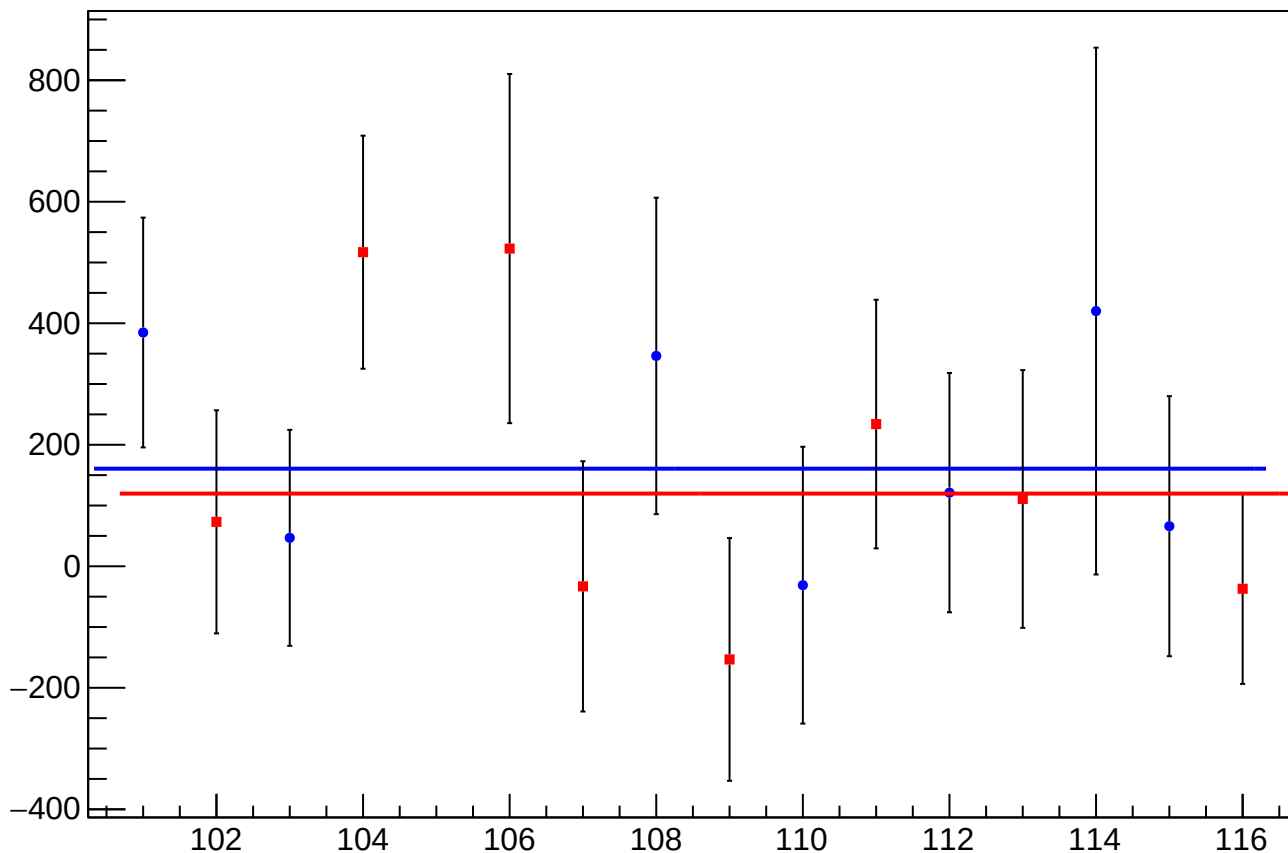
In: 7550.596+/-3.439  $\chi^2/\text{NDF}$ : 389797.4/6

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

All: 7229.073+/-2.209  $\chi^2/\text{NDF}$ : 816935.5/14



# dit\_asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 160.668 $\pm$ 82.604  $\chi^2$ /NDF: 3.6/6

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

Right Out: 119.659 $\pm$ 69.930  $\chi^2$ /NDF: 10.1/7

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

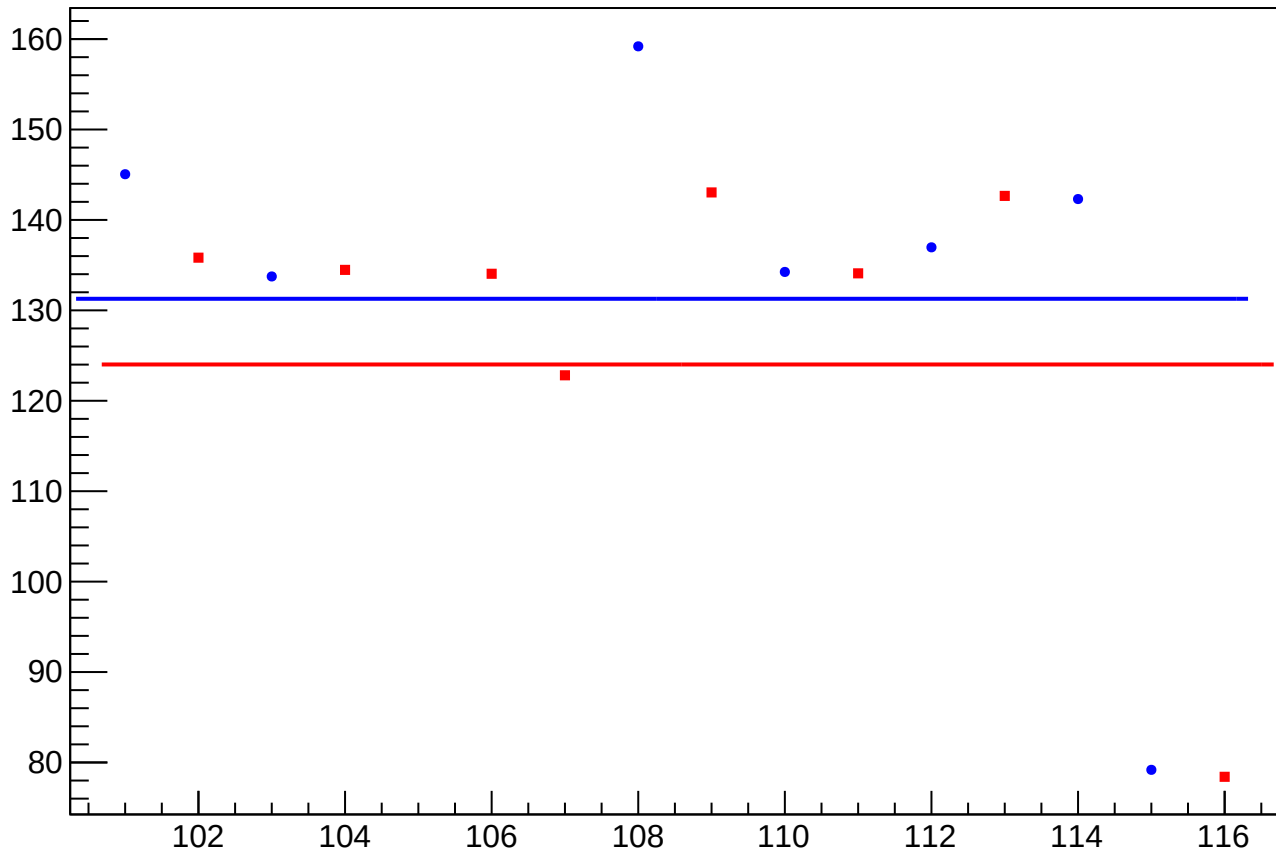
Right: 136.780 $\pm$ 53.373  $\chi^2$ /NDF: 13.8/14

In: 160.668 $\pm$ 82.604  $\chi^2$ /NDF: 3.6/6

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

All: 136.780 $\pm$ 53.373  $\chi^2$ /NDF: 13.8/14

# dit\_asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 131.279+/-0.058  $\chi^2/\text{NDF}$ : 155814.8/6

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

Right Out: 124.014+/-0.049  $\chi^2/\text{NDF}$ : 224800.7/7

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

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

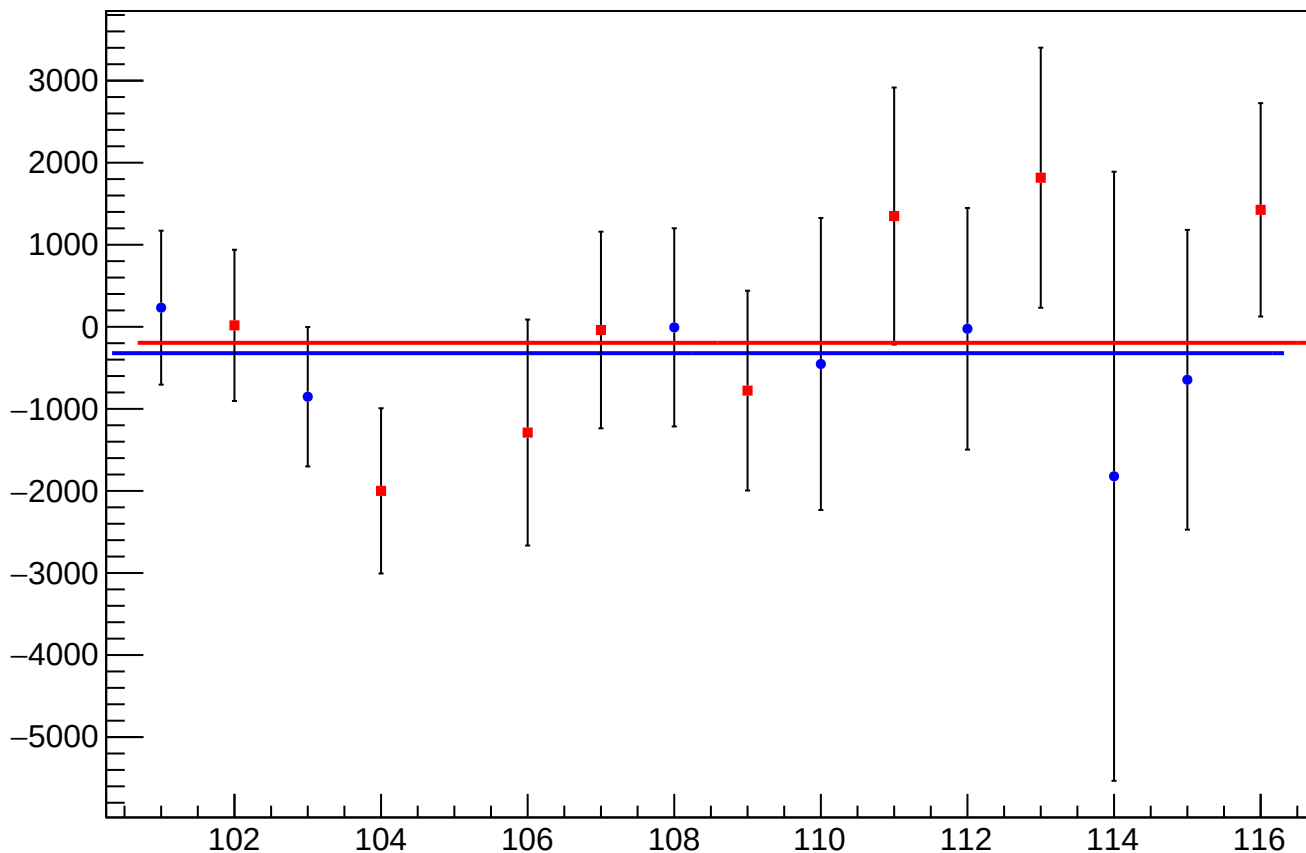
Right: 127.047+/-0.038  $\chi^2/\text{NDF}$ : 389627.5/14

In: 131.279+/-0.058  $\chi^2/\text{NDF}$ : 155814.8/6

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

All: 127.047+/-0.038  $\chi^2/\text{NDF}$ : 389627.5/14

asym\_sam1\_correction\_mean vs Slug, Sign Corrected



Right In: -321.362+/-479.049  $\chi^2/\text{NDF}$ : 1.0/6

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

Right Out: -194.804+/-427.932  $\chi^2/\text{NDF}$ : 8.3/7

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

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

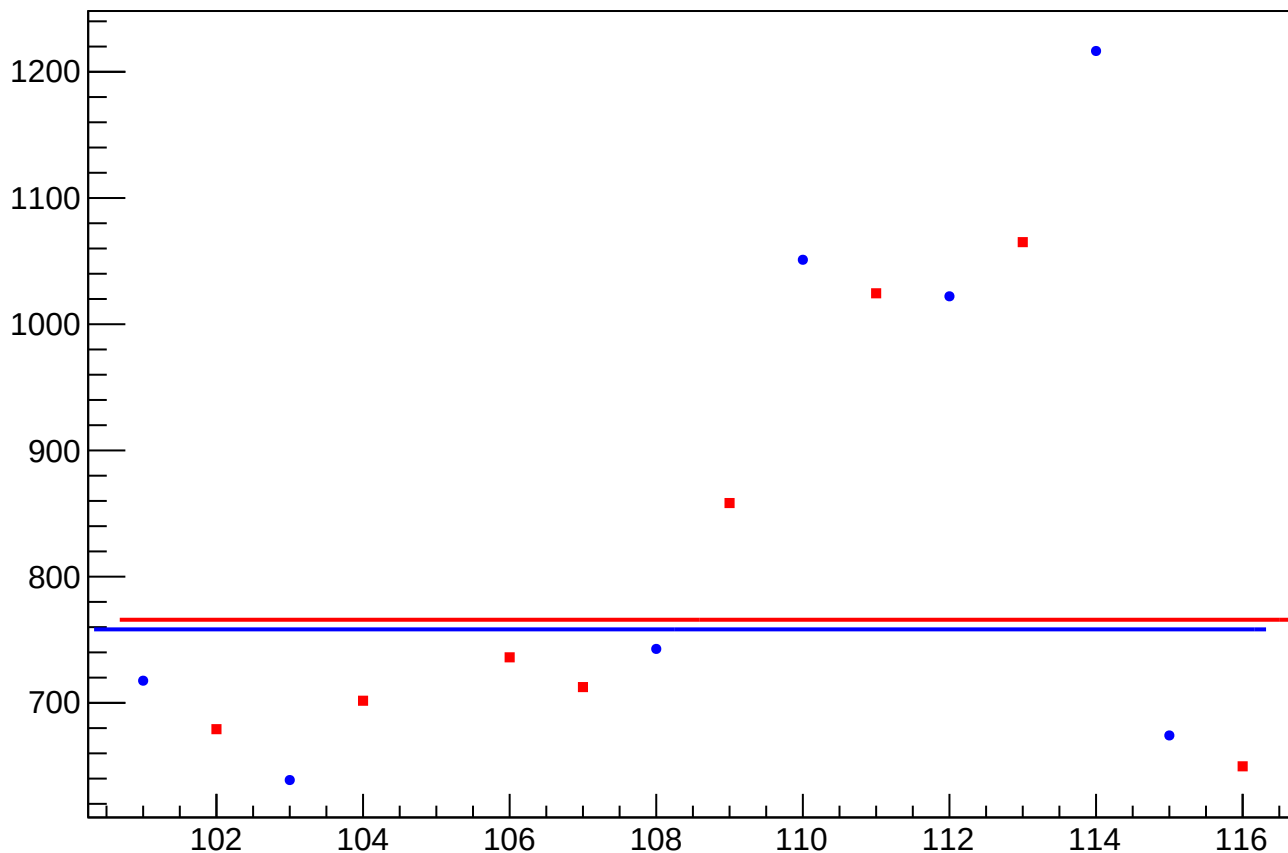
Right: -250.973+/-319.141  $\chi^2/\text{NDF}$ : 9.4/14

In: -321.362+/-479.049  $\chi^2/\text{NDF}$ : 1.0/6

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

All: -250.973+/-319.141  $\chi^2/\text{NDF}$ : 9.4/14

# asym\_sam1\_correction\_rms vs Slug, Sign Corrected



Right In: 758.229+/-0.339  $\chi^2/\text{NDF}$ : 196704.8/6

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

Right Out: 765.858+/-0.303  $\chi^2/\text{NDF}$ : 184077.2/7

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

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

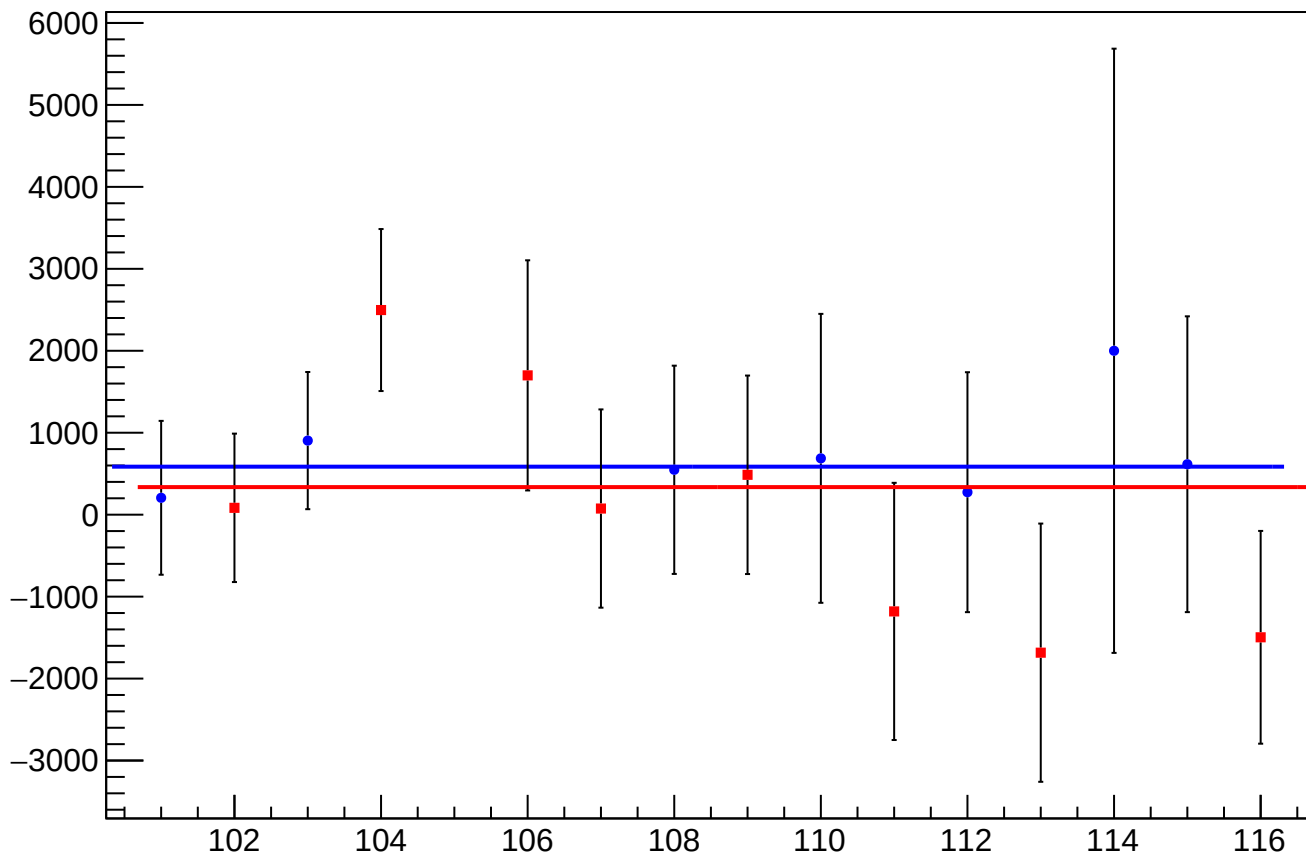
Right: 762.472+/-0.226  $\chi^2/\text{NDF}$ : 381064.2/14

In: 758.229+/-0.339  $\chi^2/\text{NDF}$ : 196704.8/6

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

All: 762.472+/-0.226  $\chi^2/\text{NDF}$ : 381064.2/14

# asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 585.829+/-479.422  $\chi^2/\text{NDF}$ : 0.5/6

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

Right Out: 336.510+/-425.710  $\chi^2/\text{NDF}$ : 10.4/7

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

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

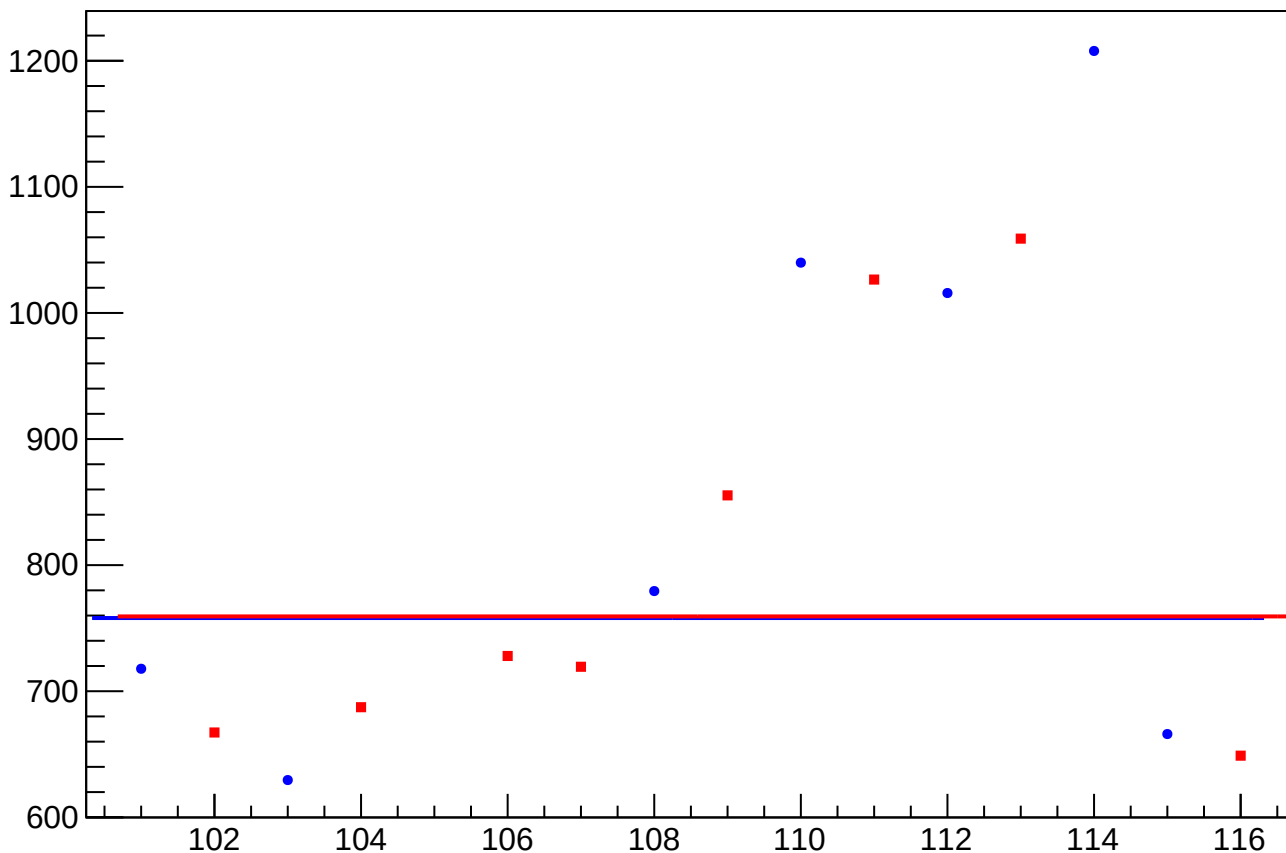
Right: 446.426+/-318.325  $\chi^2/\text{NDF}$ : 11.1/14

In: 585.829+/-479.422  $\chi^2/\text{NDF}$ : 0.5/6

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

All: 446.426+/-318.325  $\chi^2/\text{NDF}$ : 11.1/14

# asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 758.045+/-0.339  $\chi^2/\text{NDF}$ : 199495.7/6

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

Right Out: 759.325+/-0.301  $\chi^2/\text{NDF}$ : 191830.6/7

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

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

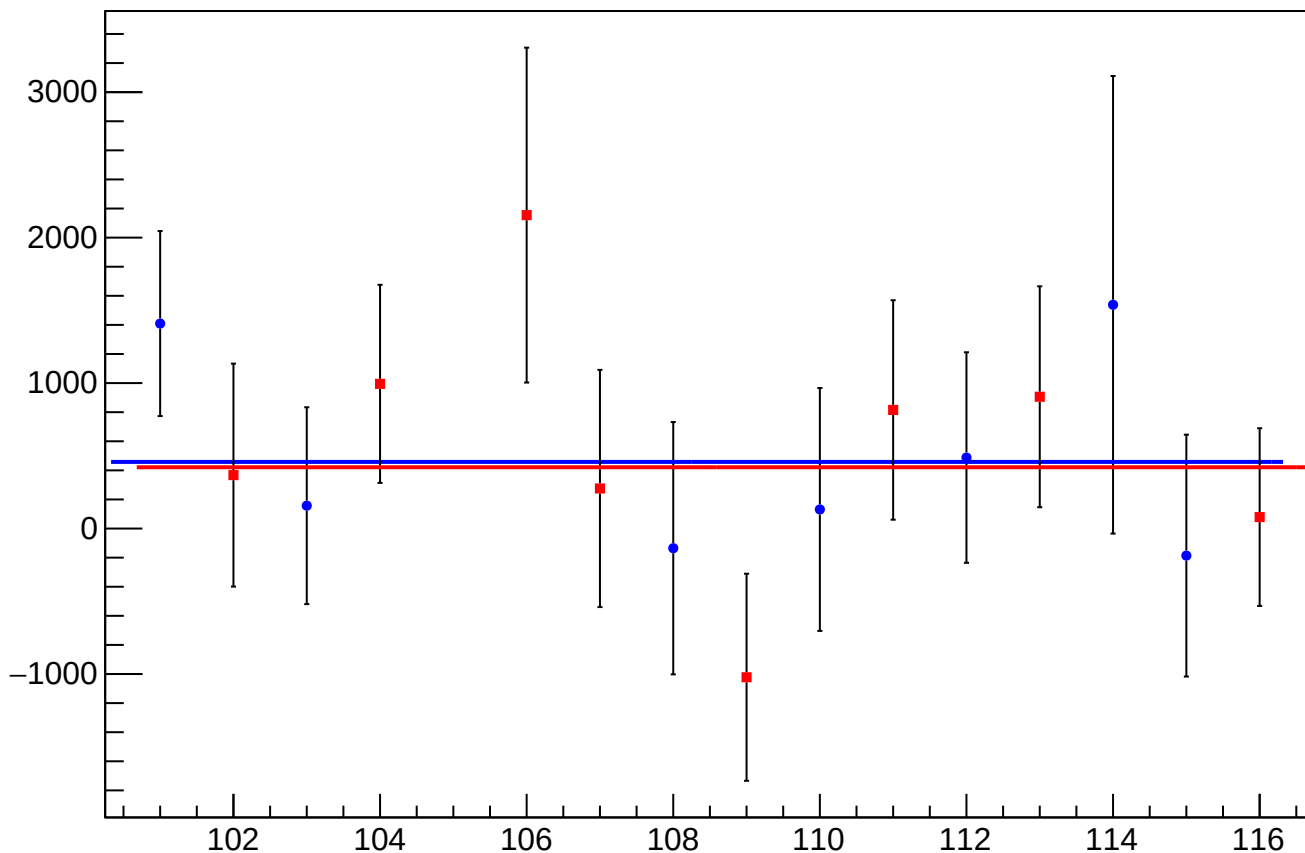
Right: 758.761+/-0.225  $\chi^2/\text{NDF}$ : 391334.3/14

In: 758.045+/-0.339  $\chi^2/\text{NDF}$ : 199495.7/6

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

All: 758.761+/-0.225  $\chi^2/\text{NDF}$ : 391334.3/14

# dit\_asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 458.075+/-299.045  $\chi^2/\text{NDF}$ : 4.1/6

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

Right Out: 421.270+/-264.763  $\chi^2/\text{NDF}$ : 8.1/7

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

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

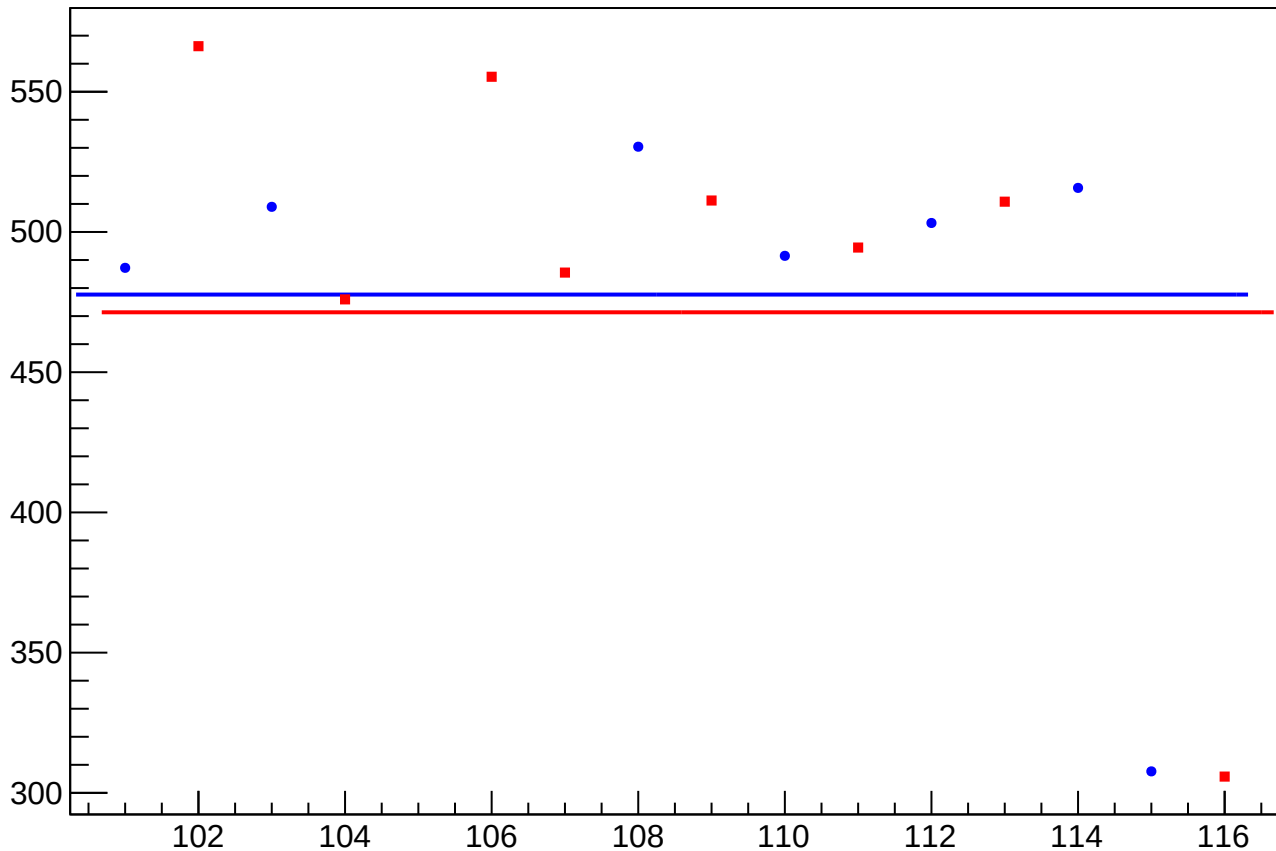
Right: 437.442+/-198.233  $\chi^2/\text{NDF}$ : 12.3/14

In: 458.075+/-299.045  $\chi^2/\text{NDF}$ : 4.1/6

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

All: 437.442+/-198.233  $\chi^2/\text{NDF}$ : 12.3/14

# dit\_asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 477.682 $\pm$ 0.211  $\chi^2$ /NDF: 99957.6/6

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

Right Out: 471.360 $\pm$ 0.187  $\chi^2$ /NDF: 202495.3/7

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: 474.138 $\pm$ 0.140  $\chi^2$ /NDF: 302954.0/14

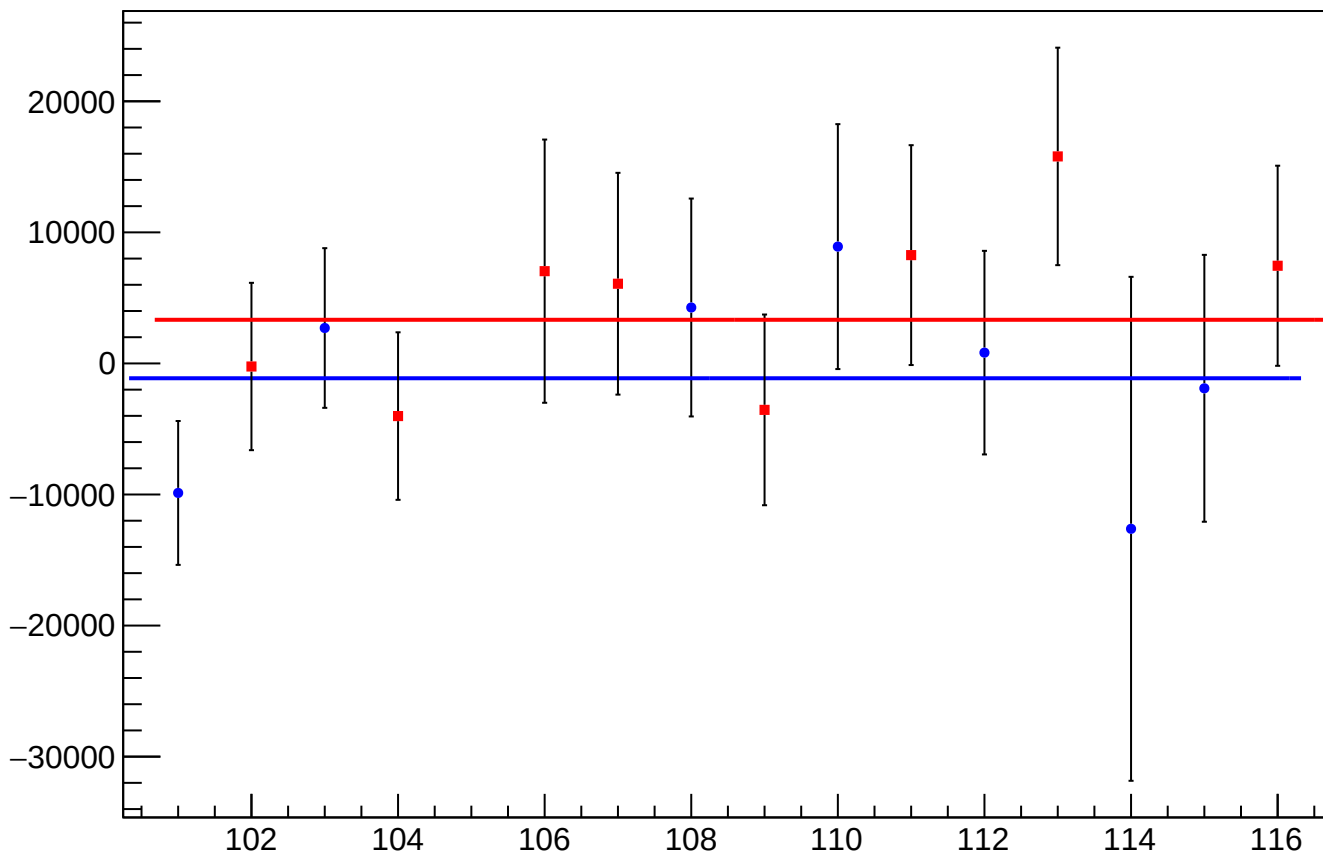
In: 477.682 $\pm$ 0.211  $\chi^2$ /NDF:99957.6/6

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

All: 474.138 $\pm$ 0.140  $\chi^2$ /NDF: 302954.0/14



asym\_sam2\_correction\_mean vs Slug, Sign Corrected



Right In: -1131.053+/-2948.730  $\chi^2/\text{NDF}$ : 4.9/6

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

Right Out: 3329.874+/-2694.703  $\chi^2/\text{NDF}$ : 5.7/7

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

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

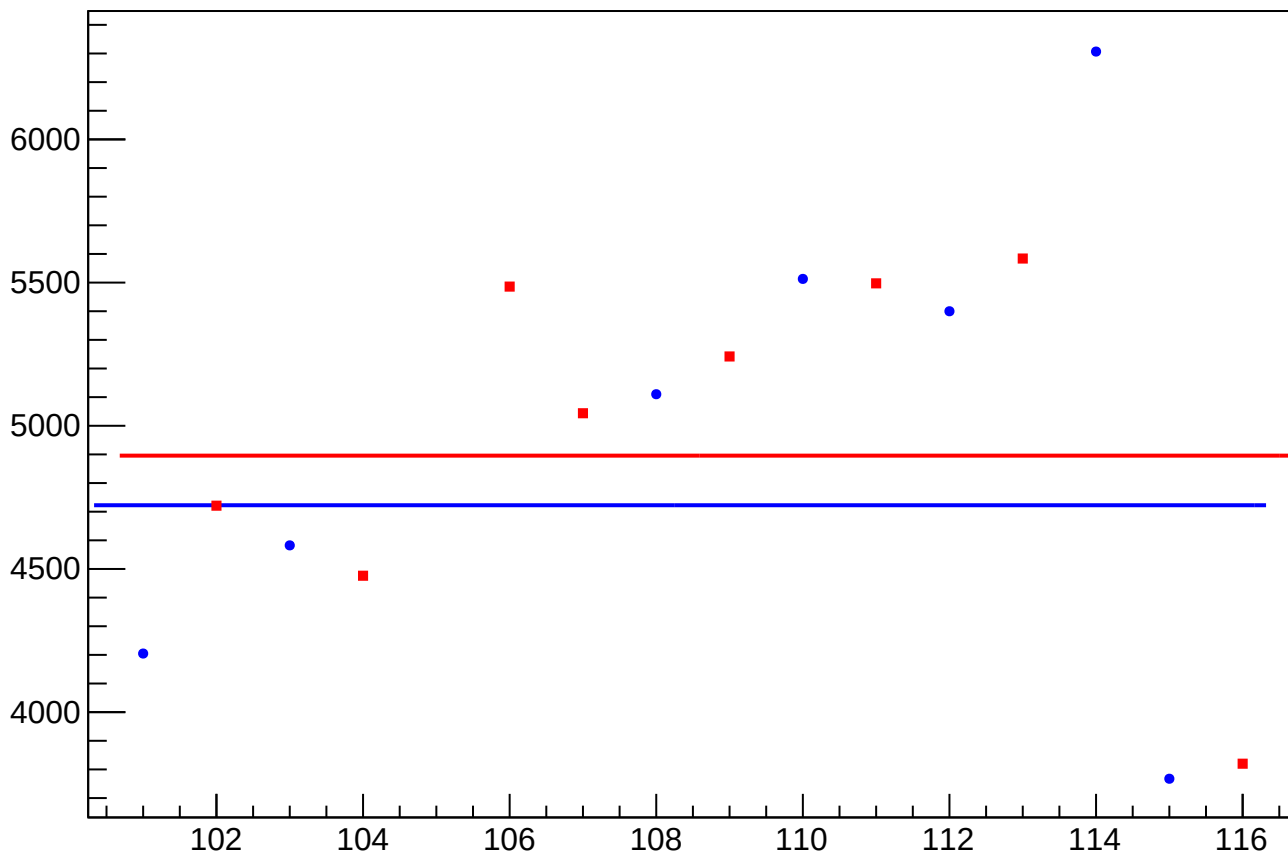
Right: 1299.804+/-1989.198  $\chi^2/\text{NDF}$ : 11.9/14

In: -1131.053+/-2948.730  $\chi^2/\text{NDF}$ : 4.9/6

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

All: 1299.804+/-1989.198  $\chi^2/\text{NDF}$ : 11.9/14

# asym\_sam2\_correction\_rms vs Slug, Sign Corrected



Right In: 4722.547+/-2.085  $\chi^2/\text{NDF}$ : 83920.8/6

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

Right Out: 4895.749+/-1.905  $\chi^2/\text{NDF}$ : 85938.5/7

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

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

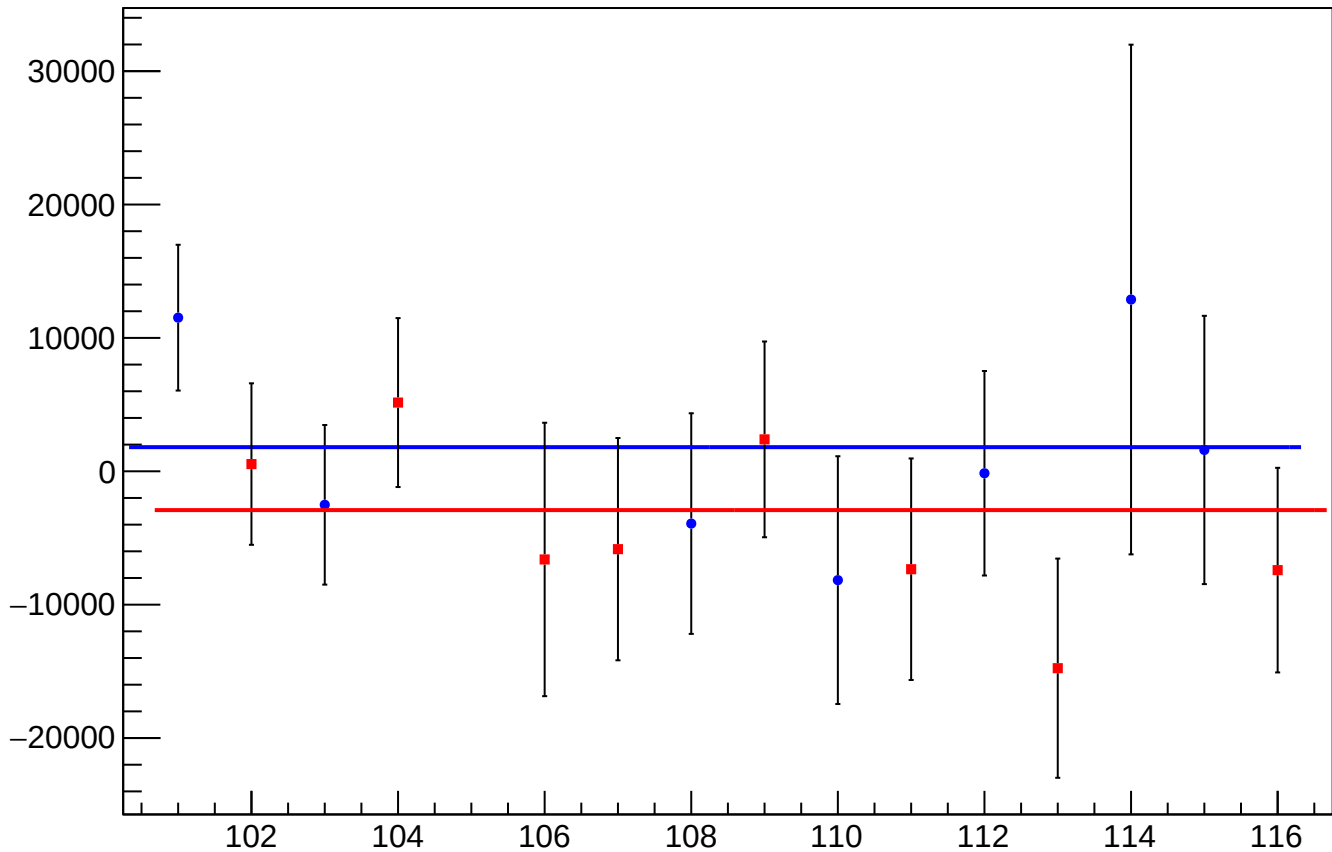
Right: 4816.928+/-1.407  $\chi^2/\text{NDF}$ : 173619.4/14

In: 4722.547+/-2.085  $\chi^2/\text{NDF}$ : 83920.8/6

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

All: 4816.928+/-1.407  $\chi^2/\text{NDF}$ : 173619.4/14

# asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 1809.174+/-2920.345  $\chi^2/\text{NDF}$ : 5.7/6

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

Right Out: -2910.092+/-2663.139  $\chi^2/\text{NDF}$ : 5.4/7

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

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

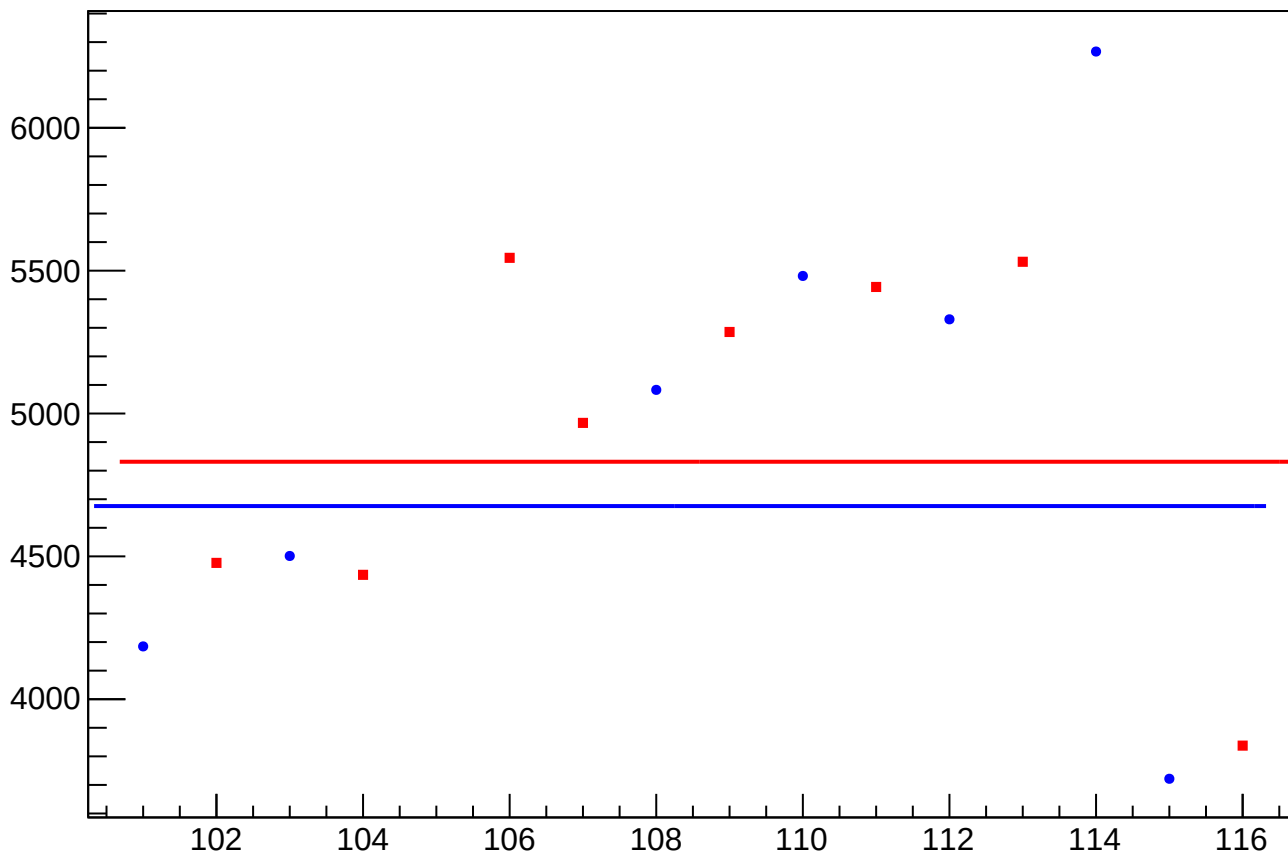
Right: -767.394+/-1967.784  $\chi^2/\text{NDF}$ : 12.6/14

In: 1809.174+/-2920.345  $\chi^2/\text{NDF}$ : 5.7/6

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

All: -767.394+/-1967.784  $\chi^2/\text{NDF}$ : 12.6/14

# asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 4676.078+/-2.065  $\chi^2/\text{NDF}$ : 84157.0/6

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

Right Out: 4831.215+/-1.883  $\chi^2/\text{NDF}$ : 91468.9/7

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

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

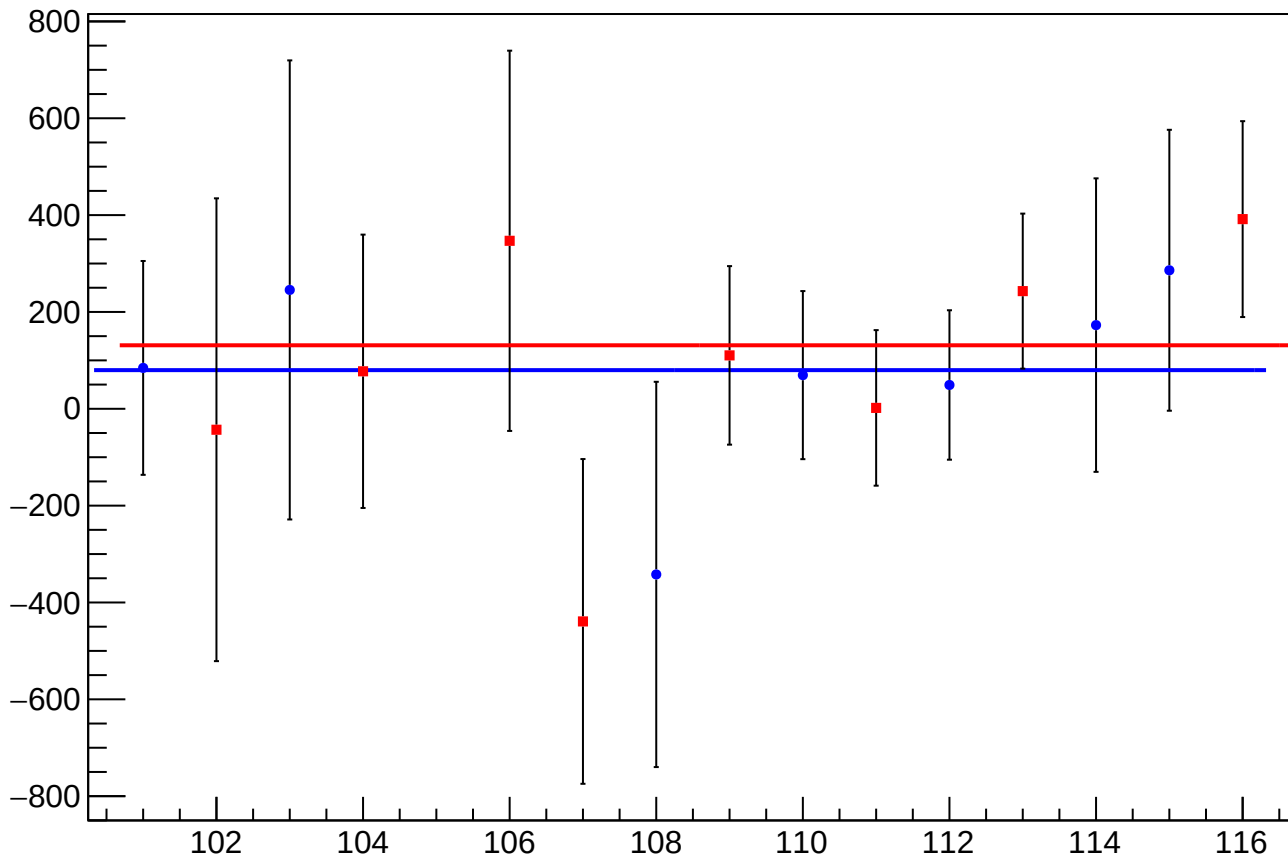
Right: 4760.778+/-1.391  $\chi^2/\text{NDF}$ : 178707.4/14

In: 4676.078+/-2.065  $\chi^2/\text{NDF}$ : 84157.0/6

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

All: 4760.778+/-1.391  $\chi^2/\text{NDF}$ : 178707.4/14

# dit\_asym\_sam3\_mean vs Slug, Sign Corrected



Right In: 79.838+/-87.962  $\chi^2/\text{NDF}$ : 1.9/6

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

Right Out: 131.158+/-78.096  $\chi^2/\text{NDF}$ : 6.2/7

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

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

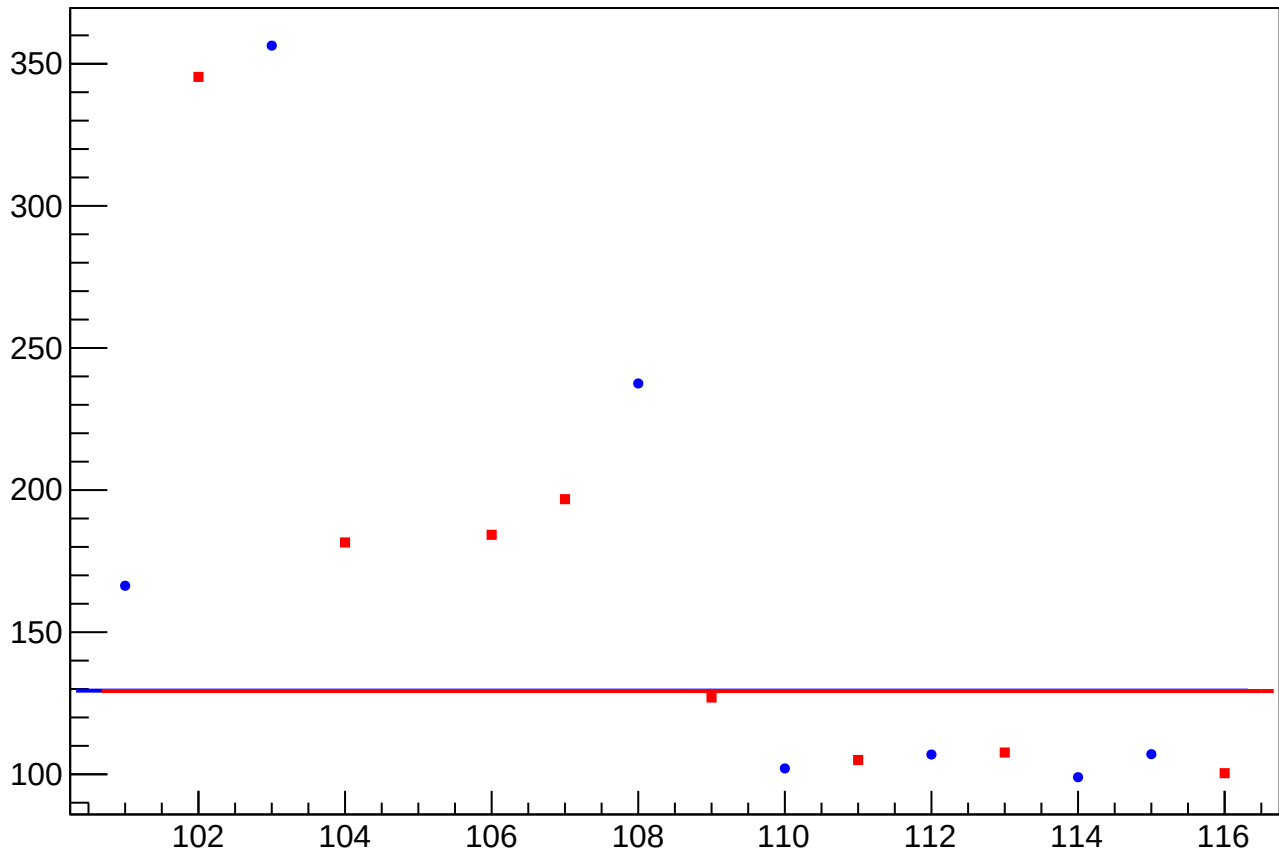
Right: 108.536+/-58.400  $\chi^2/\text{NDF}$ : 8.3/14

In: 79.838+/-87.962  $\chi^2/\text{NDF}$ : 1.9/6

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

All: 108.536+/-58.400  $\chi^2/\text{NDF}$ : 8.3/14

# dit\_asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 129.433+/-0.062  $\chi^2/\text{NDF}$ : 786209.4/6

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

Right Out: 129.298+/-0.055  $\chi^2/\text{NDF}$ : 721144.1/7

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

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

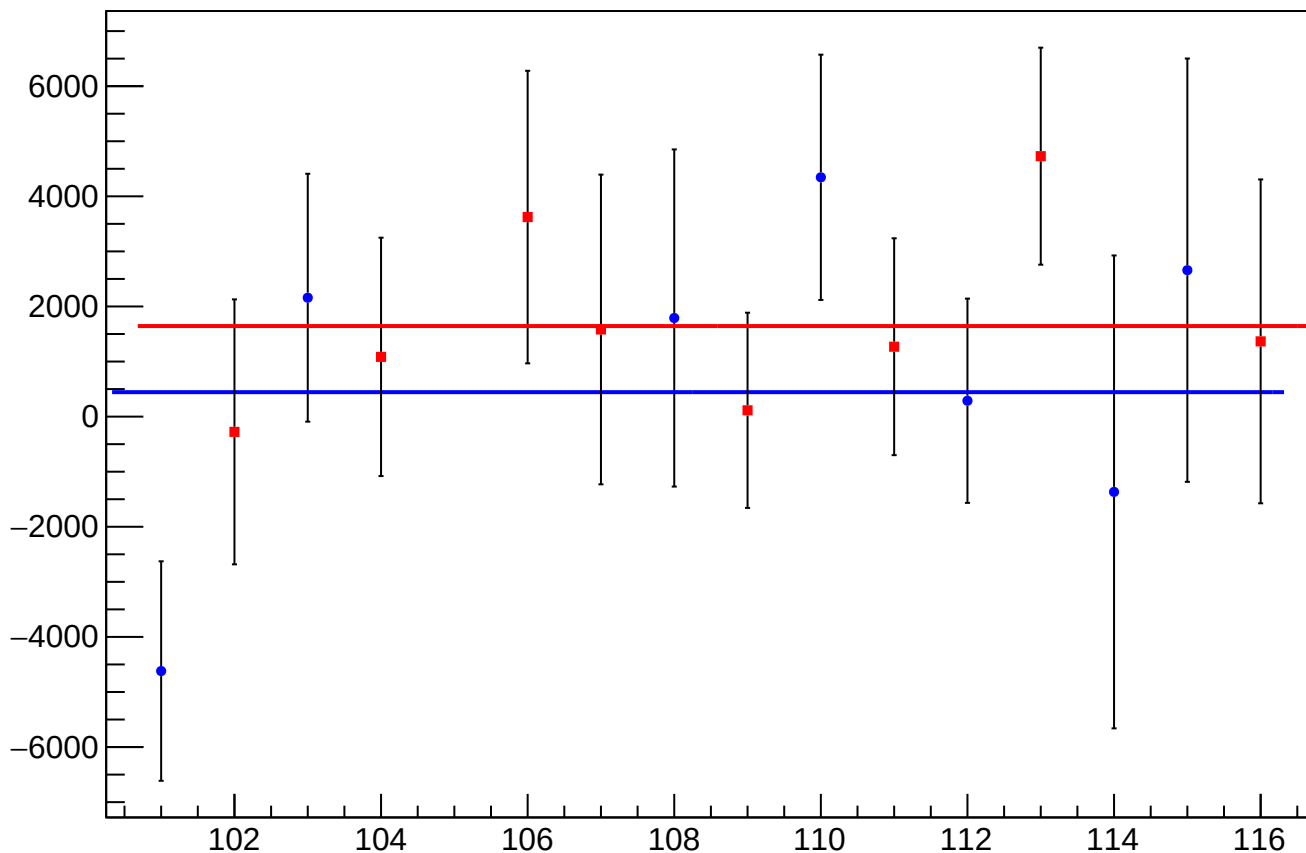
Right: 129.357+/-0.041  $\chi^2/\text{NDF}$ : 1507356.2/14

In: 129.433+/-0.062  $\chi^2/\text{NDF}$ : 786209.4/6

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

All: 129.357+/-0.041  $\chi^2/\text{NDF}$ : 1507356.2/14

asym\_sam3\_correction\_mean vs Slug, Sign Corrected



Right In: 444.146+/-924.376  $\chi^2/\text{NDF}$ : 10.8/6

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

Right Out: 1644.242+/-789.549  $\chi^2/\text{NDF}$ : 4.5/7

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

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

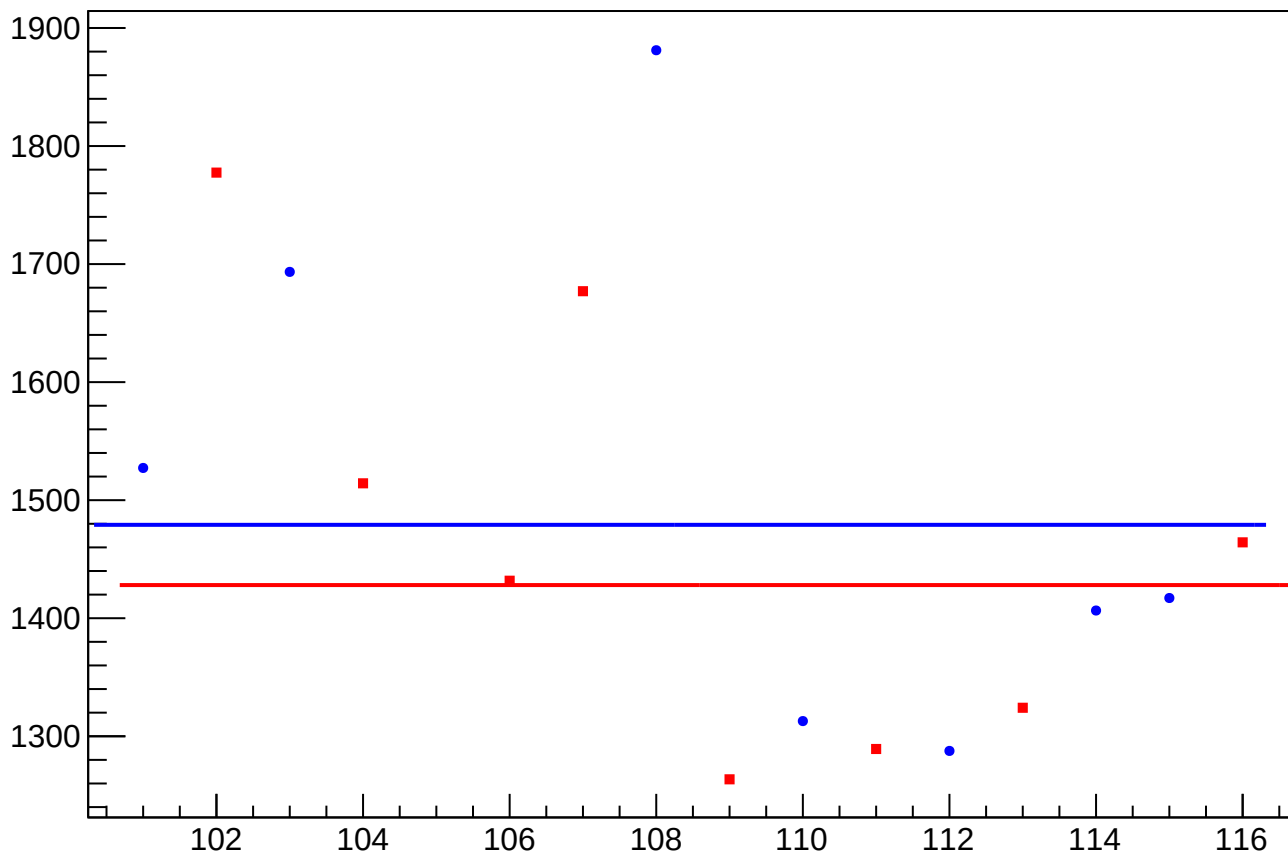
Right: 1138.020+/-600.359  $\chi^2/\text{NDF}$ : 16.3/14

In: 444.146+/-924.376  $\chi^2/\text{NDF}$ : 10.8/6

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

All: 1138.020+/-600.359  $\chi^2/\text{NDF}$ : 16.3/14

# asym\_sam3\_correction\_rms vs Slug, Sign Corrected



Right In: 1479.115+/-0.654  $\chi^2/\text{NDF}$ : 87367.9/6

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

Right Out: 1428.087+/-0.558  $\chi^2/\text{NDF}$ : 94109.5/7

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

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

Right: 1449.612+/-0.425  $\chi^2/\text{NDF}$ : 185001.2/14

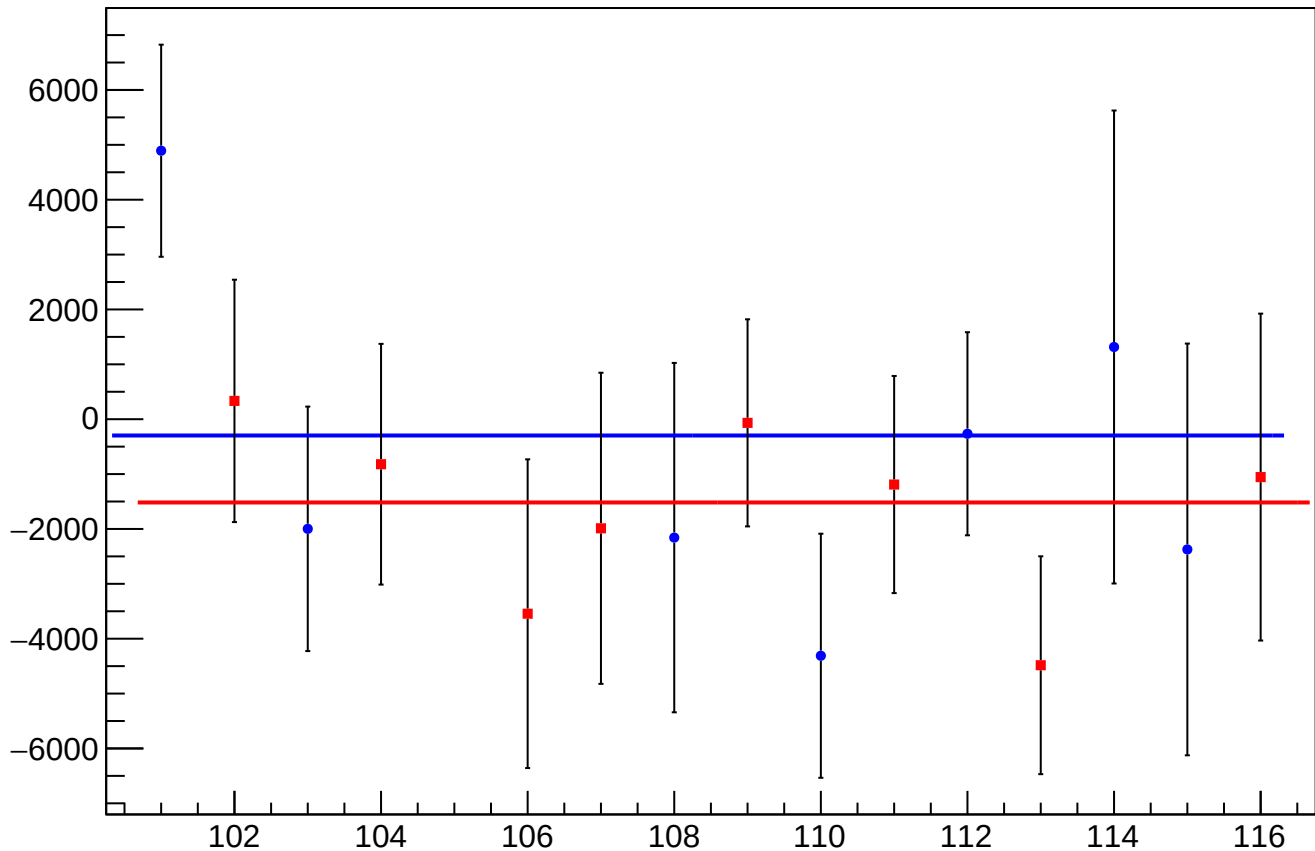
In: 1479.115+/-0.654  $\chi^2/\text{NDF}$ :87367.9/6

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

All: 1449.612+/-0.425  $\chi^2/\text{NDF}$ : 185001.2/14



# asym\_sam3\_mean vs Slug, Sign Corrected



Right In: -296.849+/-917.873  $\chi^2/\text{NDF}$ : 11.8/6

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

Right Out: -1517.440+/-799.019  $\chi^2/\text{NDF}$ : 4.2/7

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

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

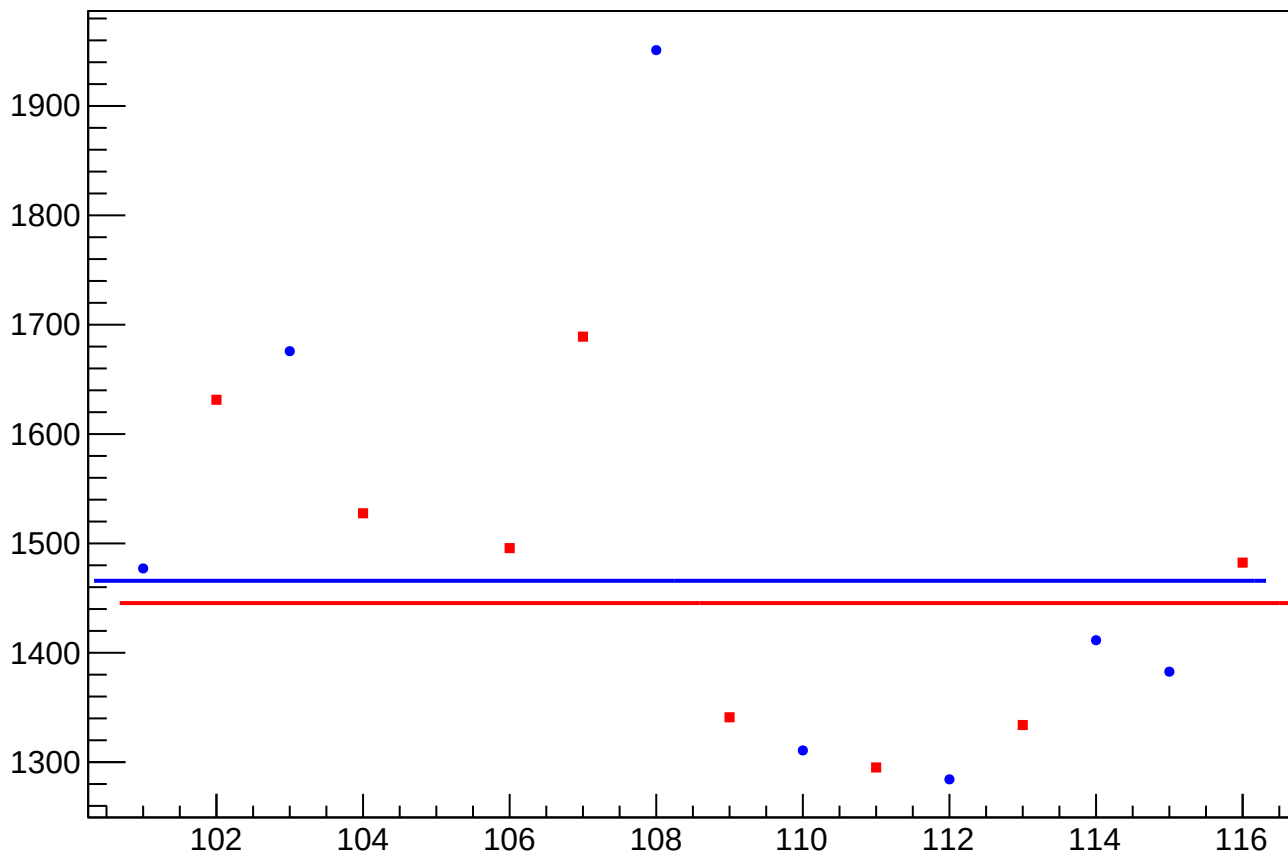
Right: -991.238+/-602.662  $\chi^2/\text{NDF}$ : 17.1/14

In: -296.849+/-917.873  $\chi^2/\text{NDF}$ : 11.8/6

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

All: -991.238+/-602.662  $\chi^2/\text{NDF}$ : 17.1/14

# asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 1465.834+/-0.649  $\chi^2/\text{NDF}$ : 94578.2/6

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

Right Out: 1445.462+/-0.565  $\chi^2/\text{NDF}$ : 56672.7/7

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

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

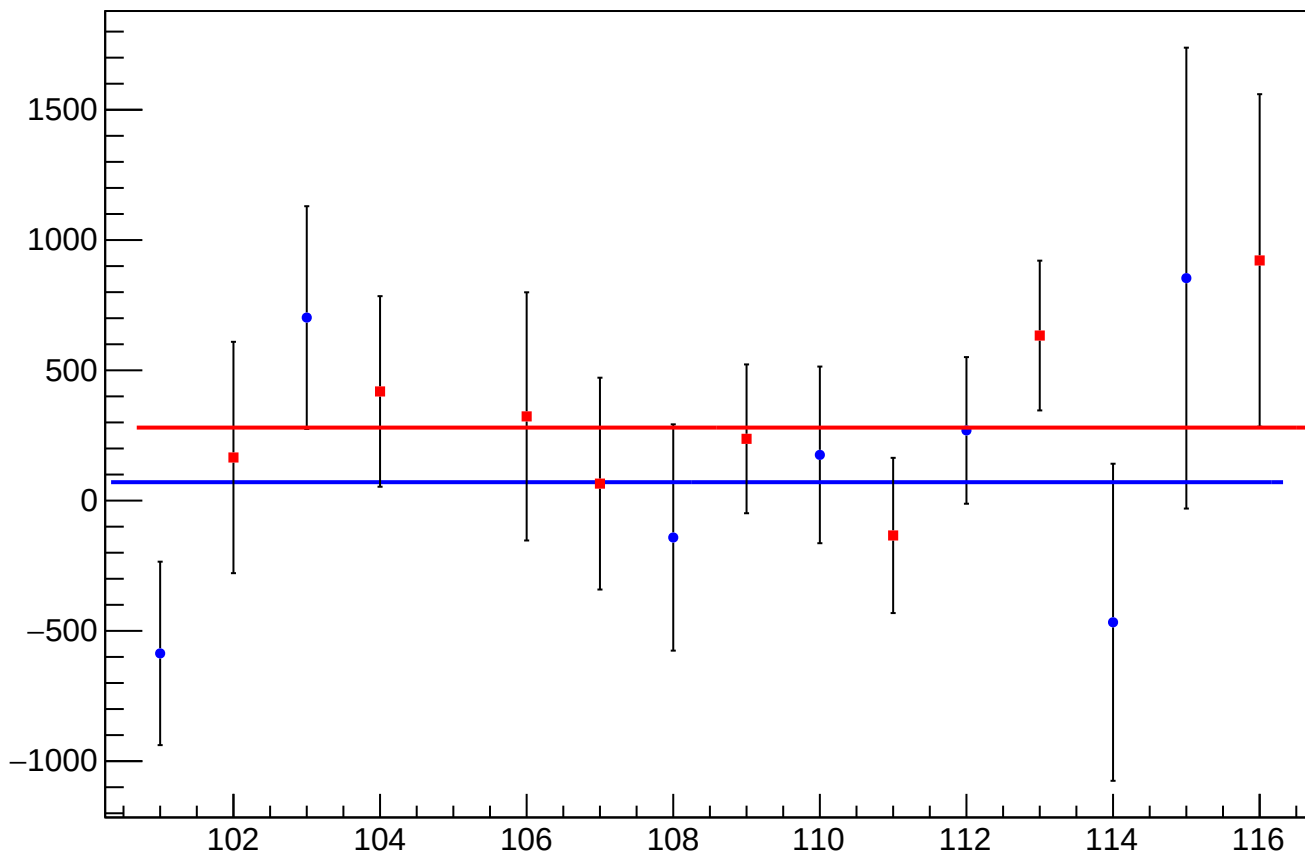
Right: 1454.244+/-0.426  $\chi^2/\text{NDF}$ : 151811.4/14

In: 1465.834+/-0.649  $\chi^2/\text{NDF}$ : 94578.2/6

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

All: 1454.244+/-0.426  $\chi^2/\text{NDF}$ : 151811.4/14

# dit\_asym\_sam4\_mean vs Slug, Sign Corrected



Right In: 70.679 $\pm$ 150.482  $\chi^2/\text{NDF}$ : 8.1/6

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

Right Out: 280.222 $\pm$ 127.927  $\chi^2/\text{NDF}$ : 5.0/7

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

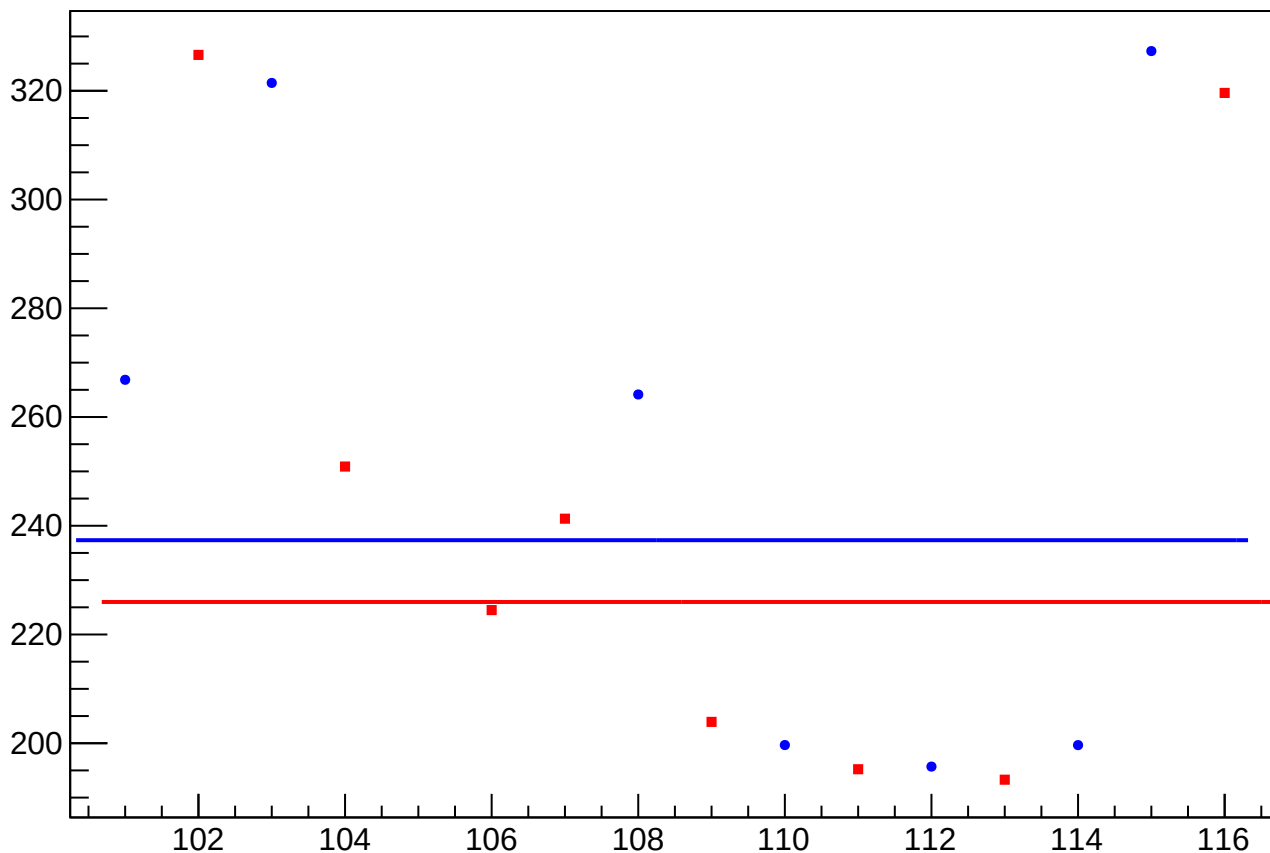
Right: 192.315 $\pm$ 97.467  $\chi^2/\text{NDF}$ : 14.2/14

In: 70.679 $\pm$ 150.482  $\chi^2/\text{NDF}$ : 8.1/6

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

All: 192.315 $\pm$ 97.467  $\chi^2/\text{NDF}$ : 14.2/14

# dit\_asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 237.343+/-0.106  $\chi^2/\text{NDF}$ : 195997.9/6

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

Right Out: 225.981+/-0.090  $\chi^2/\text{NDF}$ : 217068.4/7

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

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

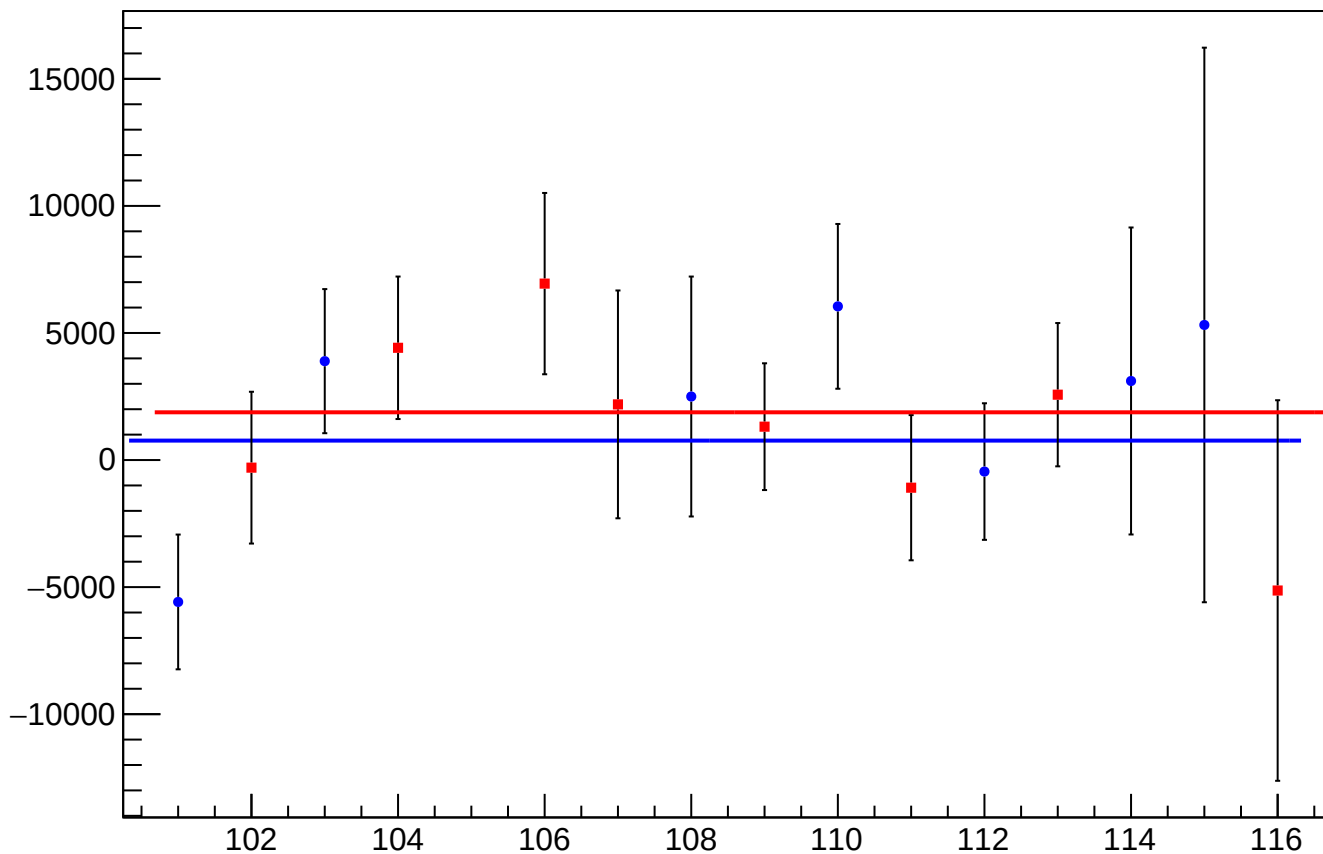
Right: 230.748+/-0.069  $\chi^2/\text{NDF}$ : 419685.1/14

In: 237.343+/-0.106  $\chi^2/\text{NDF}$ : 195997.9/6

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

All: 230.748+/-0.069  $\chi^2/\text{NDF}$ : 419685.1/14

asym\_sam4\_correction\_mean vs Slug, Sign Corrected



Right In: 765.131+/-1312.025  $\chi^2/\text{NDF}$ : 10.3/6

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

Right Out: 1878.526+/-1121.798  $\chi^2/\text{NDF}$ : 5.4/7

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

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

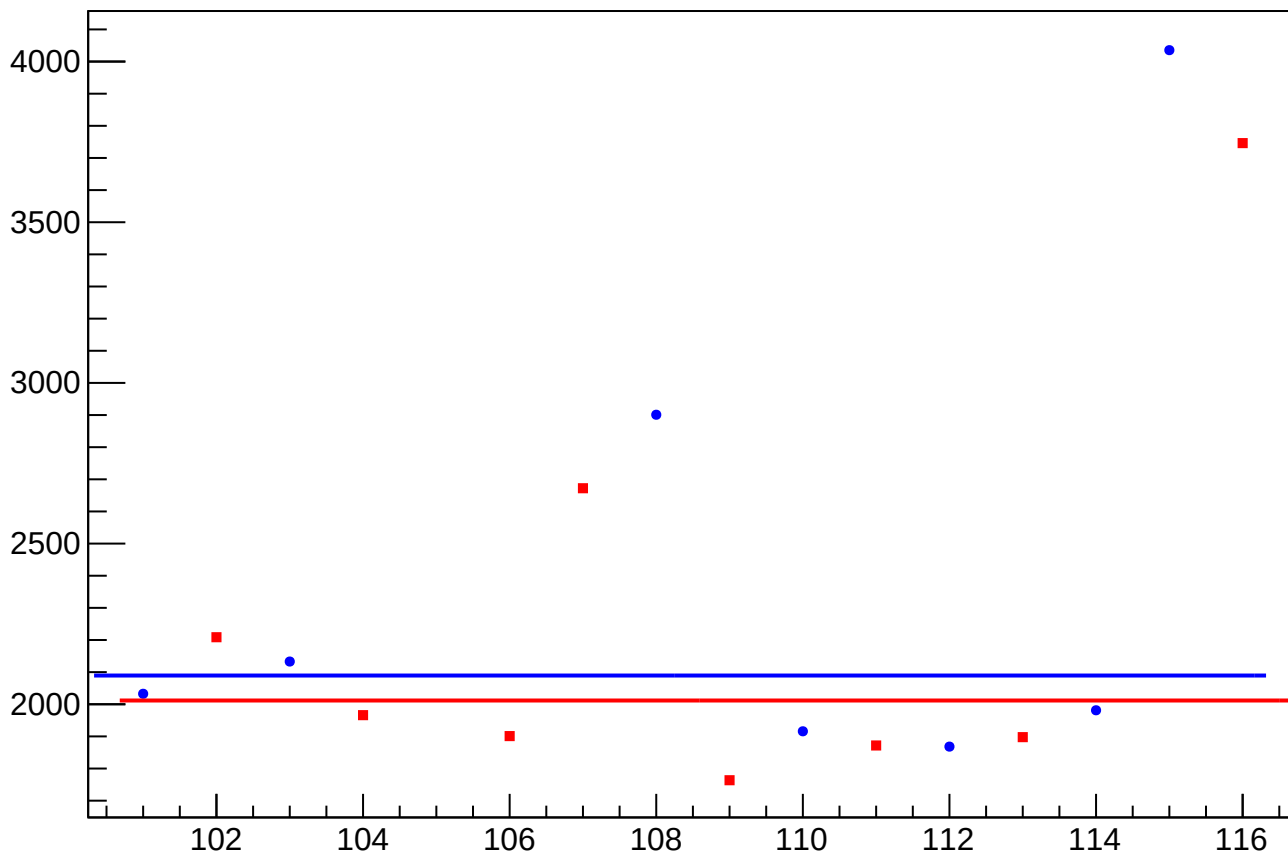
Right: 1408.323+/-852.629  $\chi^2/\text{NDF}$ : 16.1/14

In: 765.131+/-1312.025  $\chi^2/\text{NDF}$ : 10.3/6

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

All: 1408.323+/-852.629  $\chi^2/\text{NDF}$ : 16.1/14

# asym\_sam4\_correction\_rms vs Slug, Sign Corrected



Right In: 2089.428+/-0.928  $\chi^2/\text{NDF}$ : 144036.6/6

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

Right Out: 2011.718+/-0.793  $\chi^2/\text{NDF}$ : 189765.3/7

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

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

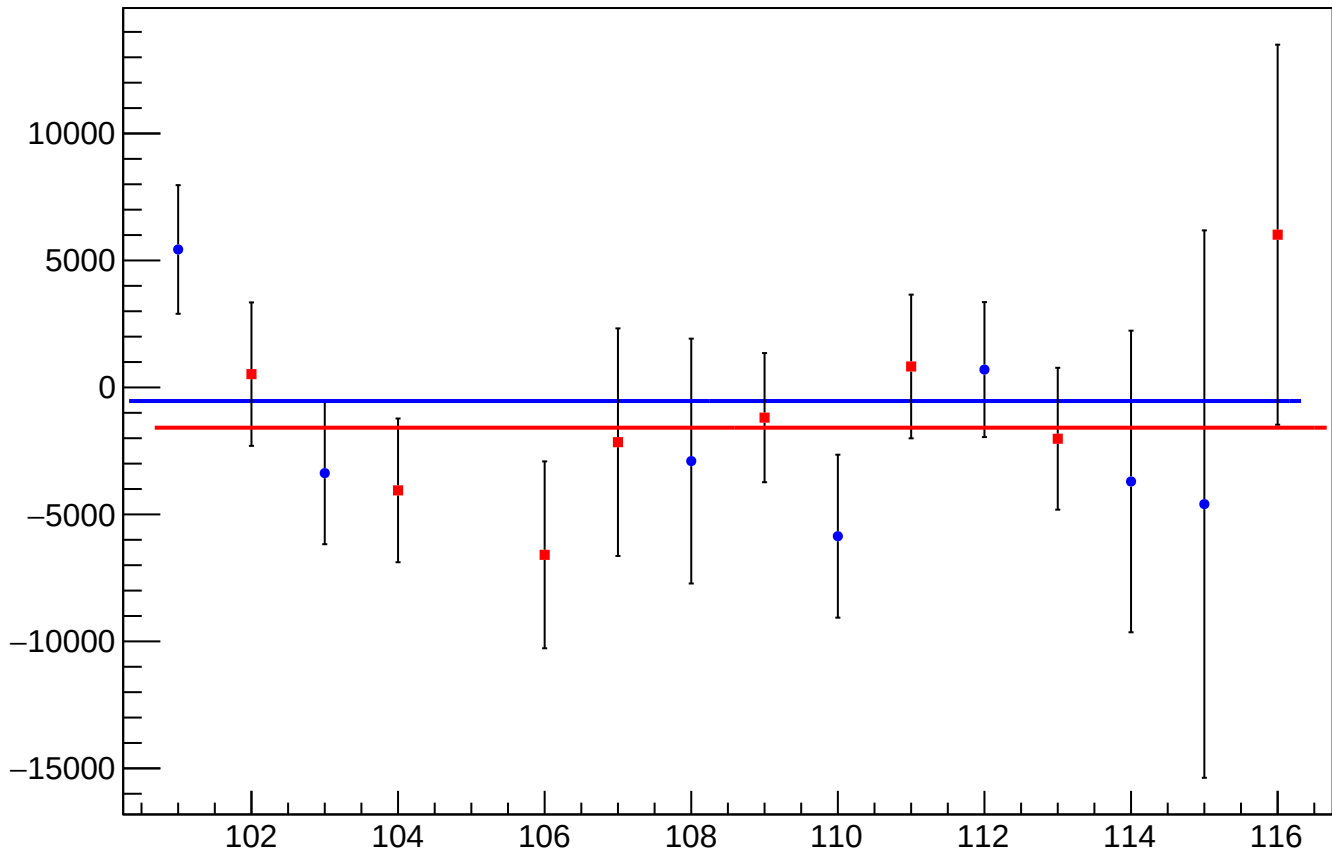
Right: 2044.536+/-0.603  $\chi^2/\text{NDF}$ : 337855.0/14

In: 2089.428+/-0.928  $\chi^2/\text{NDF}$ :144036.6/6

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

All: 2044.536+/-0.603  $\chi^2/\text{NDF}$ : 337855.0/14

# asym\_sam4\_mean vs Slug, Sign Corrected



Right In: -535.228+/-1288.654  $\chi^2/\text{NDF}$ : 10.2/6

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

Right Out: -1584.925+/-1118.264  $\chi^2/\text{NDF}$ : 5.0/7

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

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

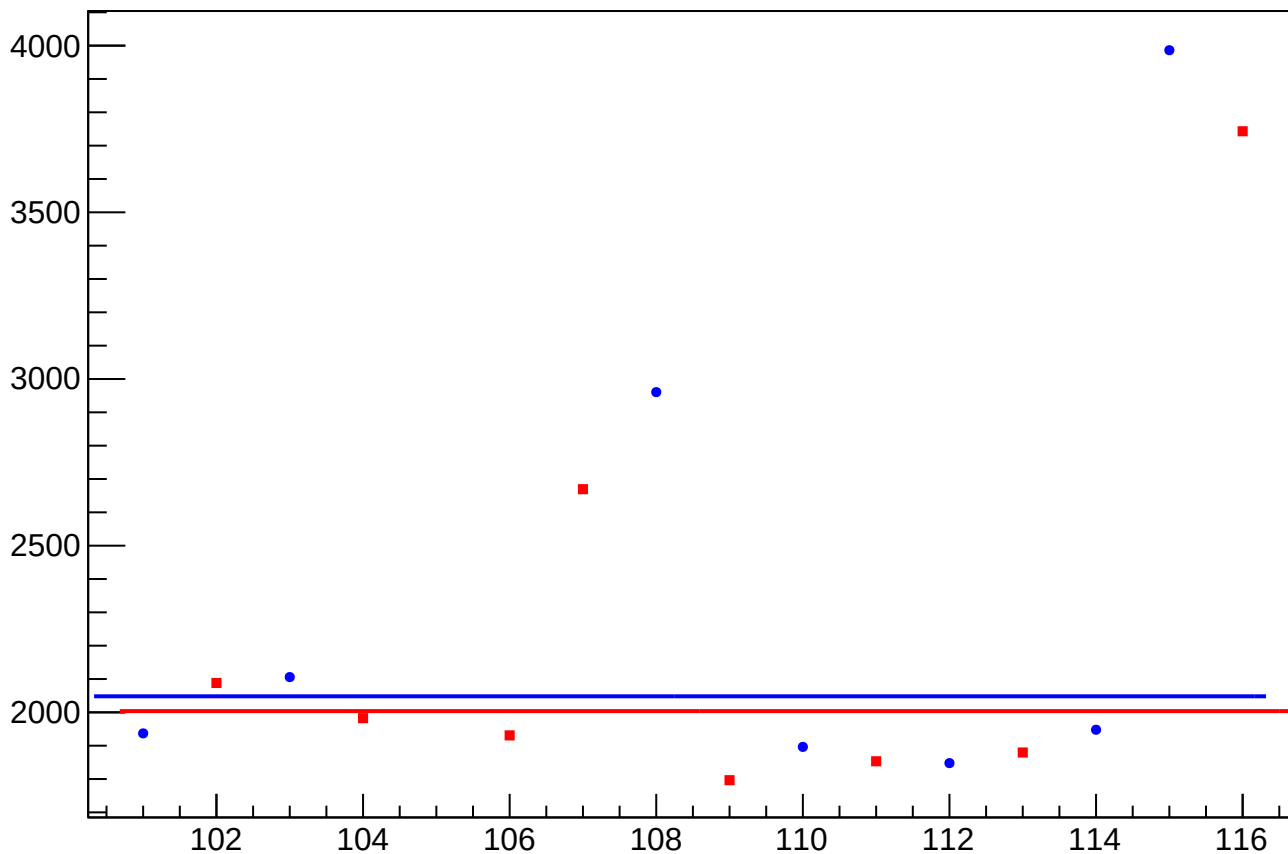
Right: -1134.016+/-844.596  $\chi^2/\text{NDF}$ : 15.6/14

In: -535.228+/-1288.654  $\chi^2/\text{NDF}$ : 10.2/6

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

All: -1134.016+/-844.596  $\chi^2/\text{NDF}$ : 15.6/14

# asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 2048.180+/-0.911  $\chi^2/\text{NDF}$ : 157443.6/6

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

Right Out: 2003.731+/-0.791  $\chi^2/\text{NDF}$ : 177797.4/7

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

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

Right: 2022.825+/-0.597  $\chi^2/\text{NDF}$ : 336598.3/14

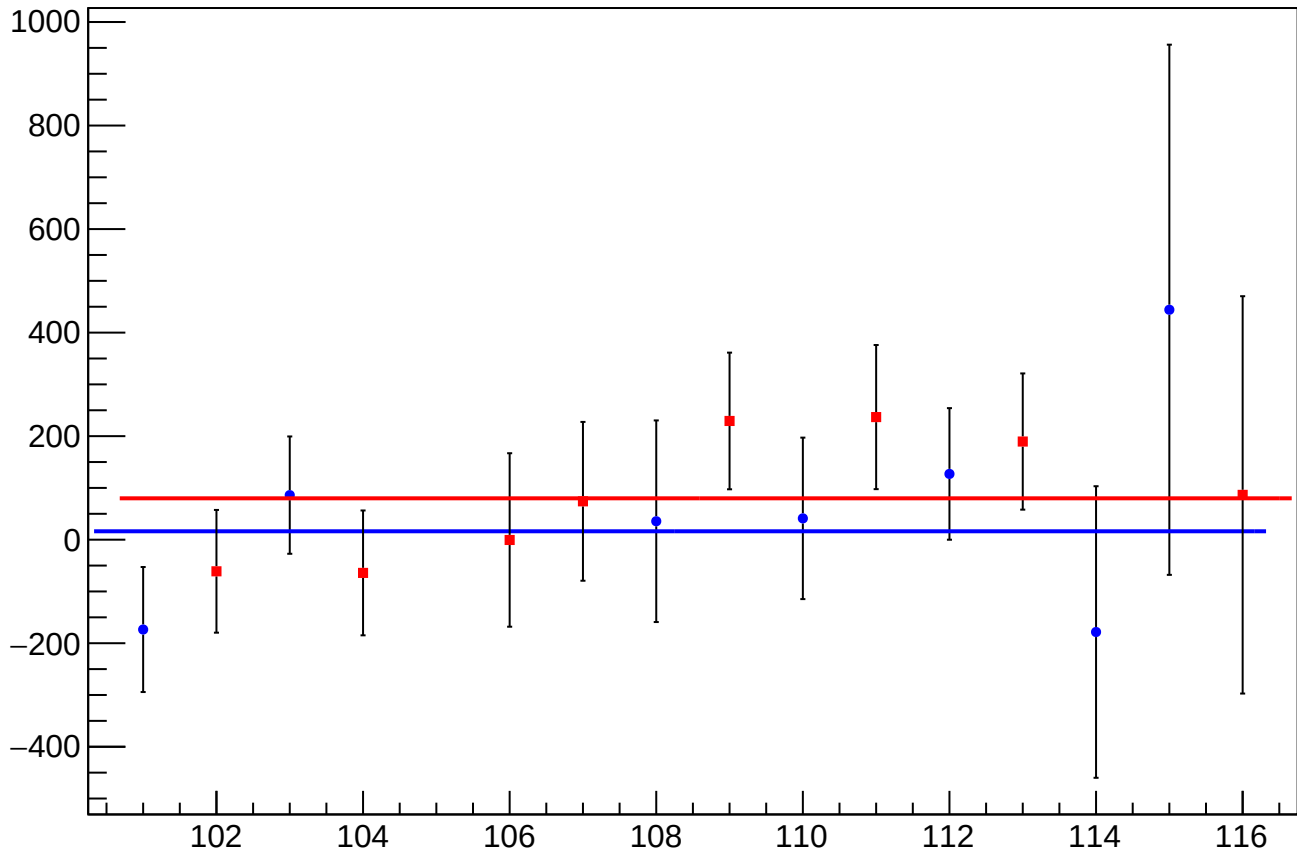
In: 2048.180+/-0.911  $\chi^2/\text{NDF}$ : 157443.6/6

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

All: 2022.825+/-0.597  $\chi^2/\text{NDF}$ : 336598.3/14



# dit\_asym\_sam5\_mean vs Slug, Sign Corrected



Right In: 16.236+/-58.492  $\chi^2/\text{NDF}$ : 4.8/6

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

Right Out: 79.912+/-50.533  $\chi^2/\text{NDF}$ : 6.3/7

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

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

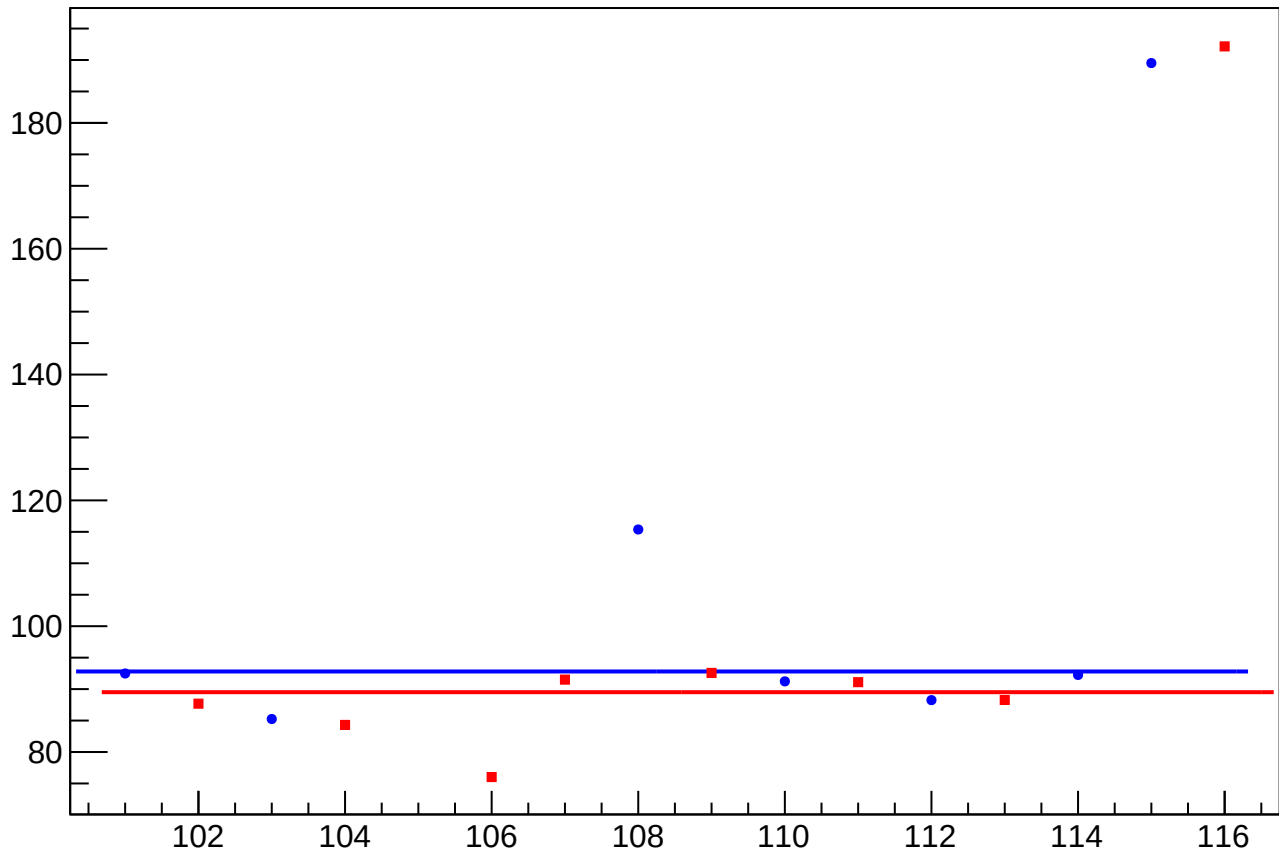
Right: 52.698+/-38.239  $\chi^2/\text{NDF}$ : 11.8/14

In: 16.236+/-58.492  $\chi^2/\text{NDF}$ : 4.8/6

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

All: 52.698+/-38.239  $\chi^2/\text{NDF}$ : 11.8/14

# dit\_asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 92.803+/-0.041  $\chi^2/\text{NDF}$ : 109884.5/6

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

Right Out: 89.510+/-0.036  $\chi^2/\text{NDF}$ : 162118.5/7

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

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

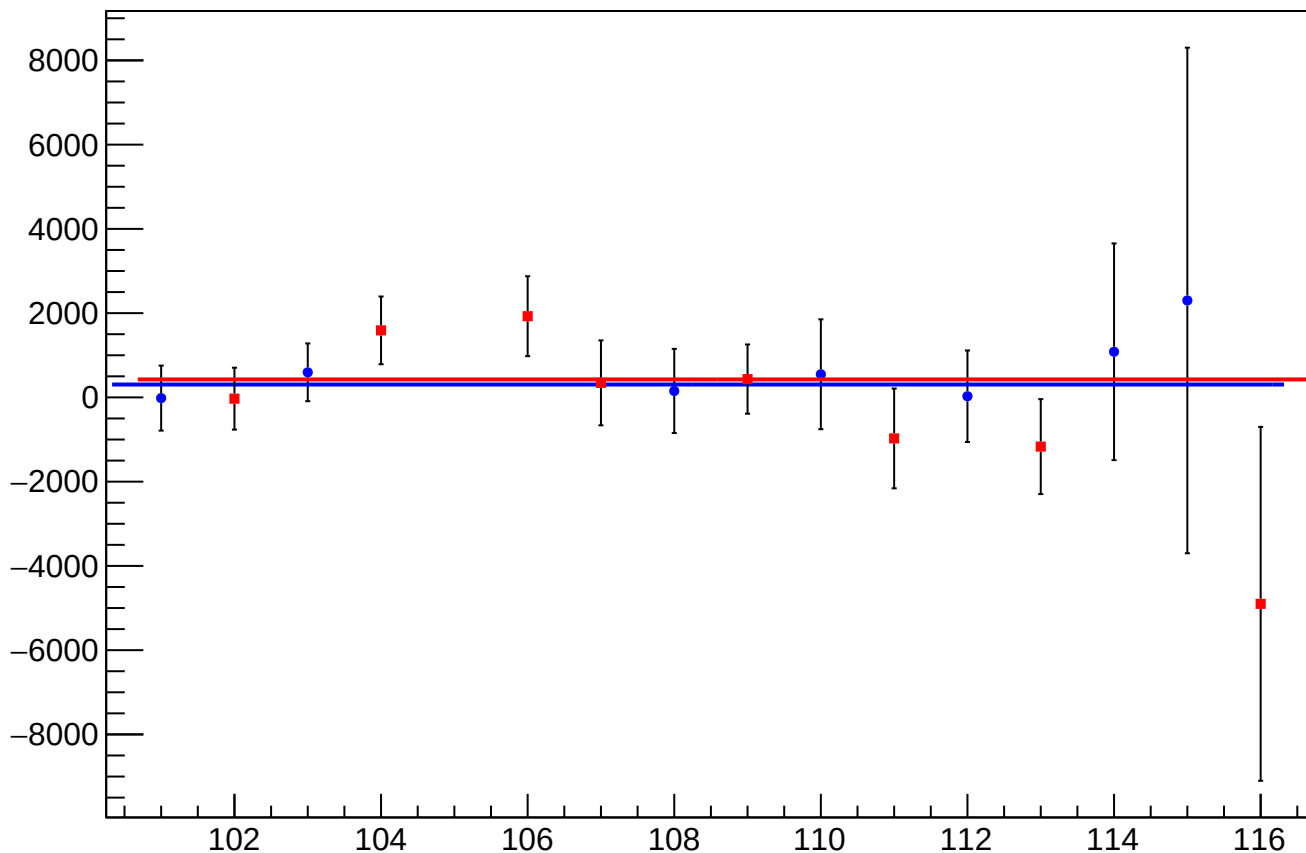
Right: 90.918+/-0.027  $\chi^2/\text{NDF}$ : 275632.5/14

In: 92.803+/-0.041  $\chi^2/\text{NDF}$ : 109884.5/6

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

All: 90.918+/-0.027  $\chi^2/\text{NDF}$ : 275632.5/14

asym\_sam5\_correction\_mean vs Slug, Sign Corrected



Right In: 305.976+/-394.636  $\chi^2/\text{NDF}$ : 0.7/6

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

Right Out: 426.805+/-342.323  $\chi^2/\text{NDF}$ : 10.0/7

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

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

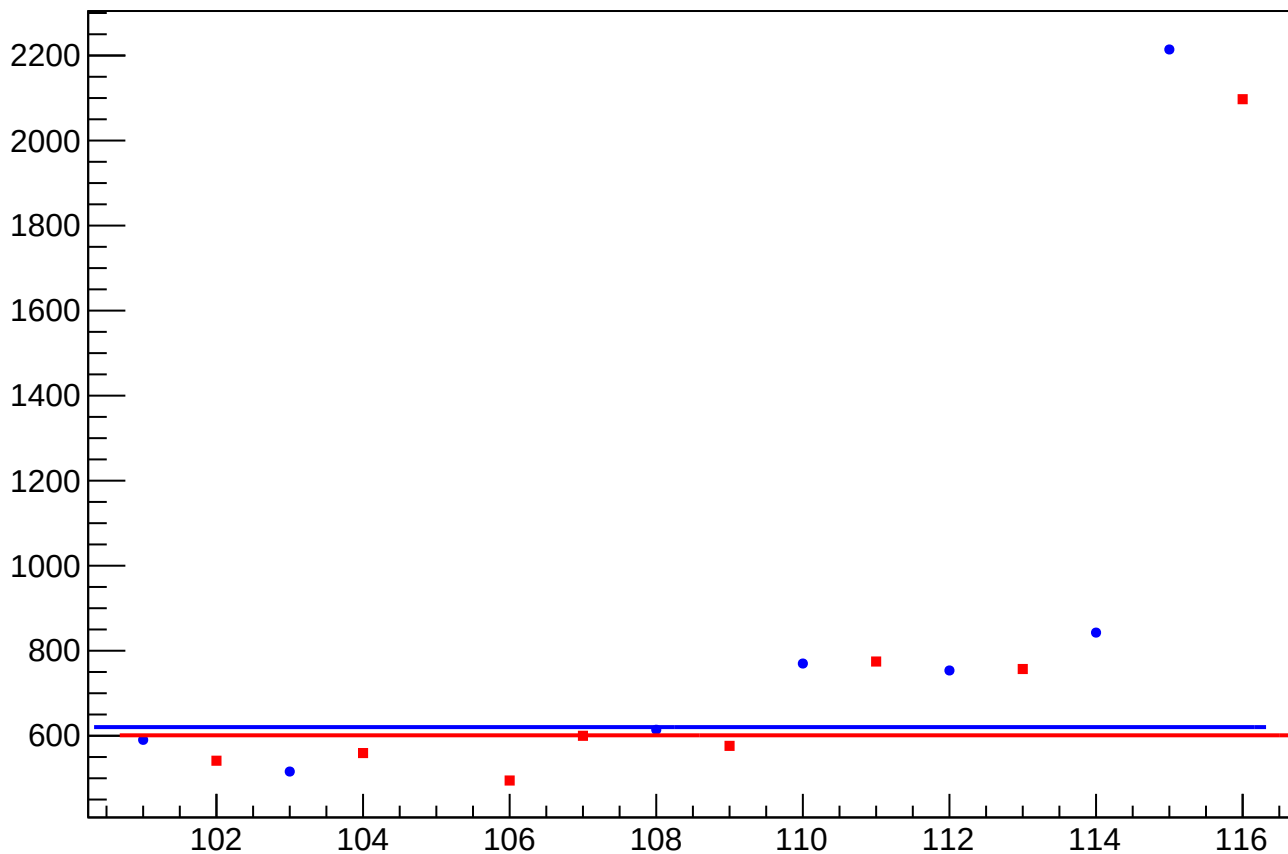
Right: 374.925+/-258.591  $\chi^2/\text{NDF}$ : 10.7/14

In: 305.976+/-394.636  $\chi^2/\text{NDF}$ : 0.7/6

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

All: 374.925+/-258.591  $\chi^2/\text{NDF}$ : 10.7/14

# asym\_sam5\_correction\_rms vs Slug, Sign Corrected



Right In: 620.370+/-0.279  $\chi^2/\text{NDF}$ : 261926.9/6

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

Right Out: 601.053+/-0.242  $\chi^2/\text{NDF}$ : 380515.3/7

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

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

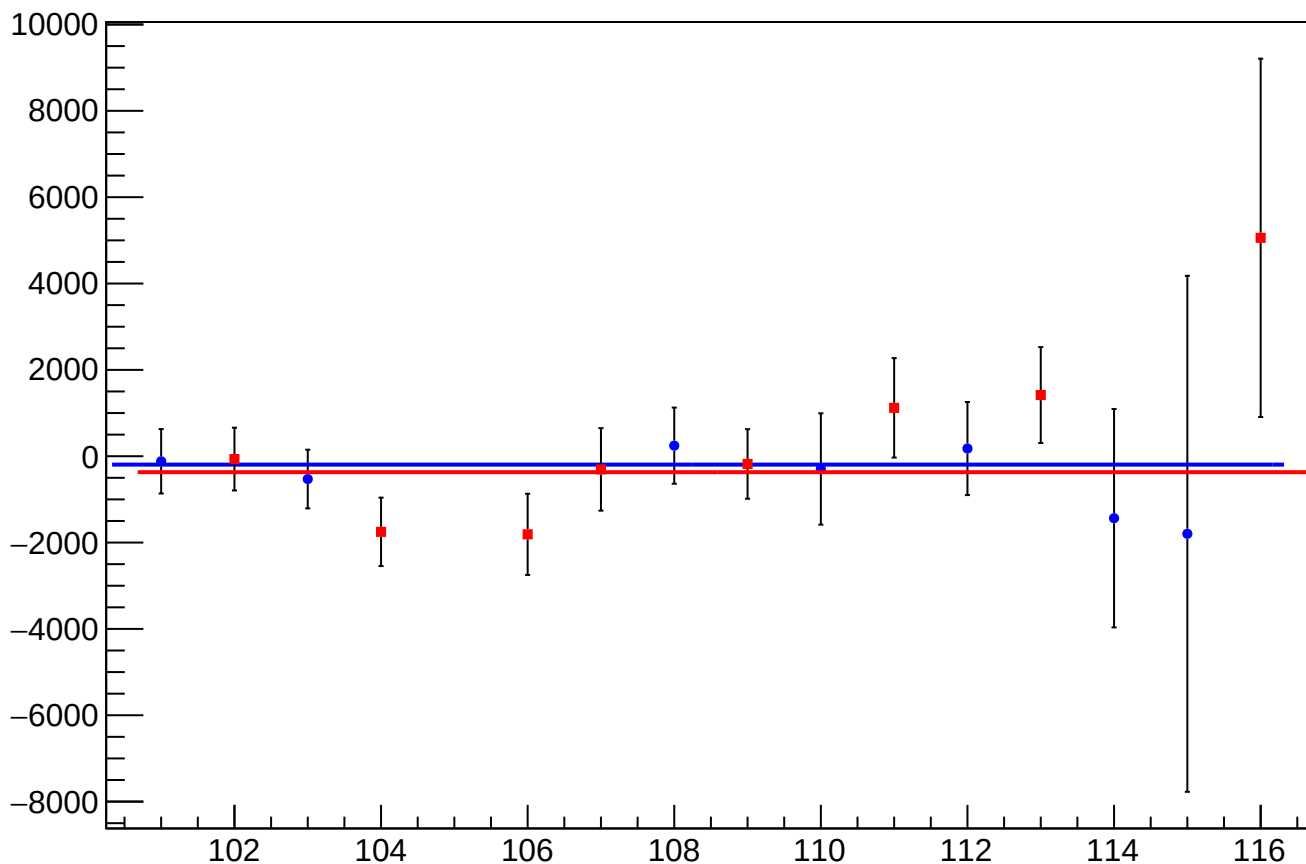
Right: 609.347+/-0.183  $\chi^2/\text{NDF}$ : 645176.8/14

In: 620.370+/-0.279  $\chi^2/\text{NDF}$ : 261926.9/6

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

All: 609.347+/-0.183  $\chi^2/\text{NDF}$ : 645176.8/14

# asym\_sam5\_mean vs Slug, Sign Corrected



Right In: -194.477+/-380.839  $\chi^2/\text{NDF}$ : 0.9/6

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

Right Out: -369.972+/-335.719  $\chi^2/\text{NDF}$ : 11.6/7

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

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

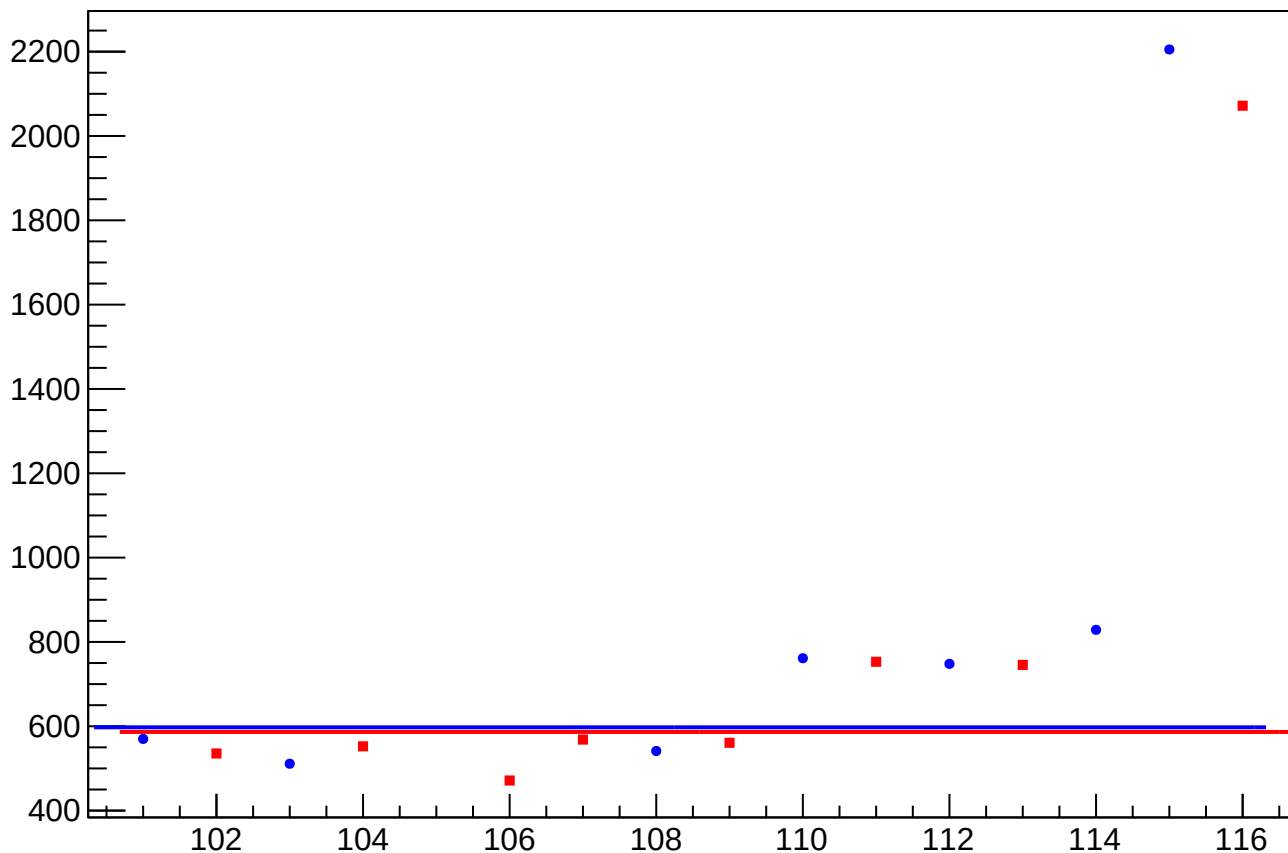
Right: -293.232+/-251.838  $\chi^2/\text{NDF}$ : 12.6/14

In: -194.477+/-380.839  $\chi^2/\text{NDF}$ : 0.9/6

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

All: -293.232+/-251.838  $\chi^2/\text{NDF}$ : 12.6/14

# asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 597.539+/-0.269  $\chi^2/\text{NDF}$ : 275911.8/6

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

Right Out: 586.515+/-0.237  $\chi^2/\text{NDF}$ : 385285.2/7

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

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

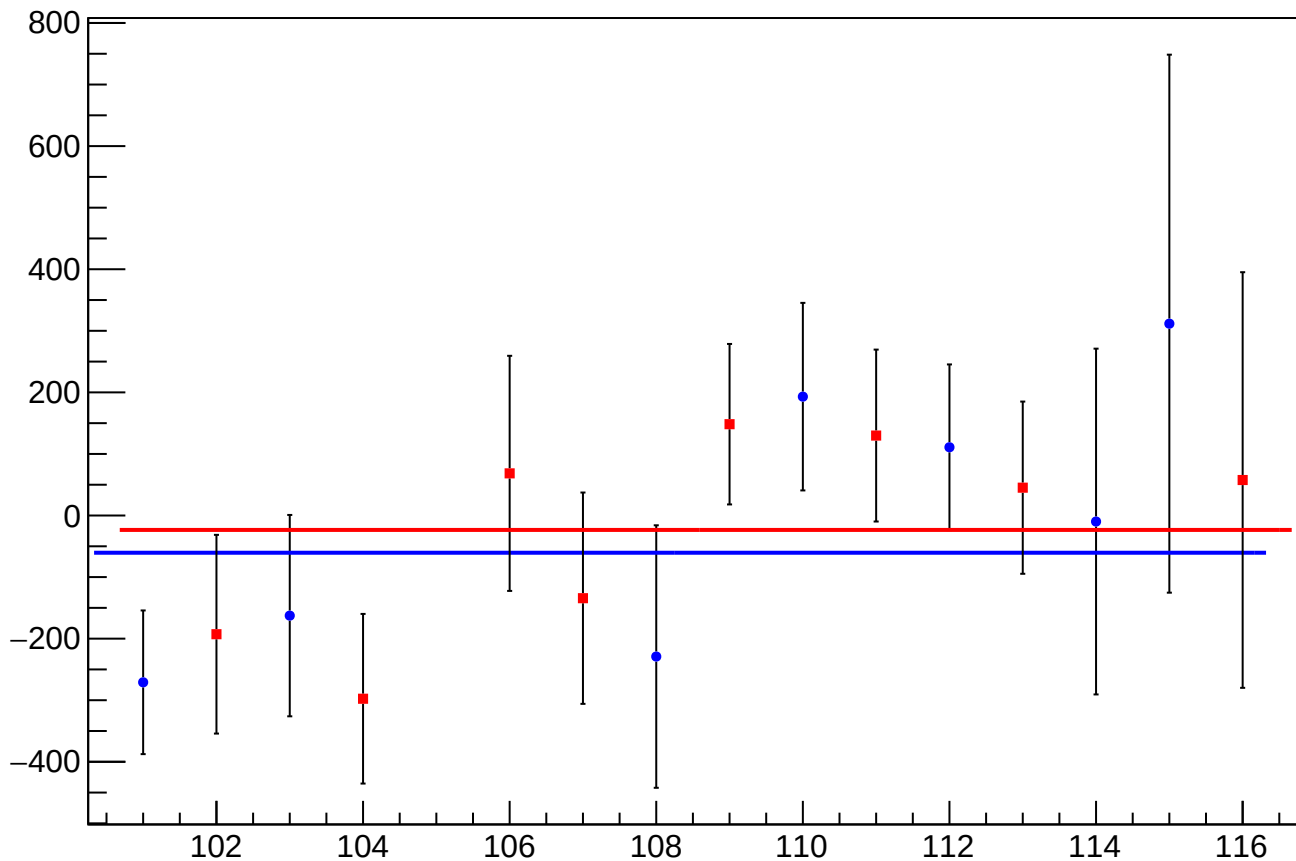
Right: 591.336+/-0.178  $\chi^2/\text{NDF}$ : 662140.1/14

In: 597.539+/-0.269  $\chi^2/\text{NDF}$ : 275911.8/6

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

All: 591.336+/-0.178  $\chi^2/\text{NDF}$ : 662140.1/14

# dit\_asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -60.463+/-63.355  $\chi^2/\text{NDF}$ : 9.4/6

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

Right Out: -23.416+/-55.681  $\chi^2/\text{NDF}$ : 9.0/7

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

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

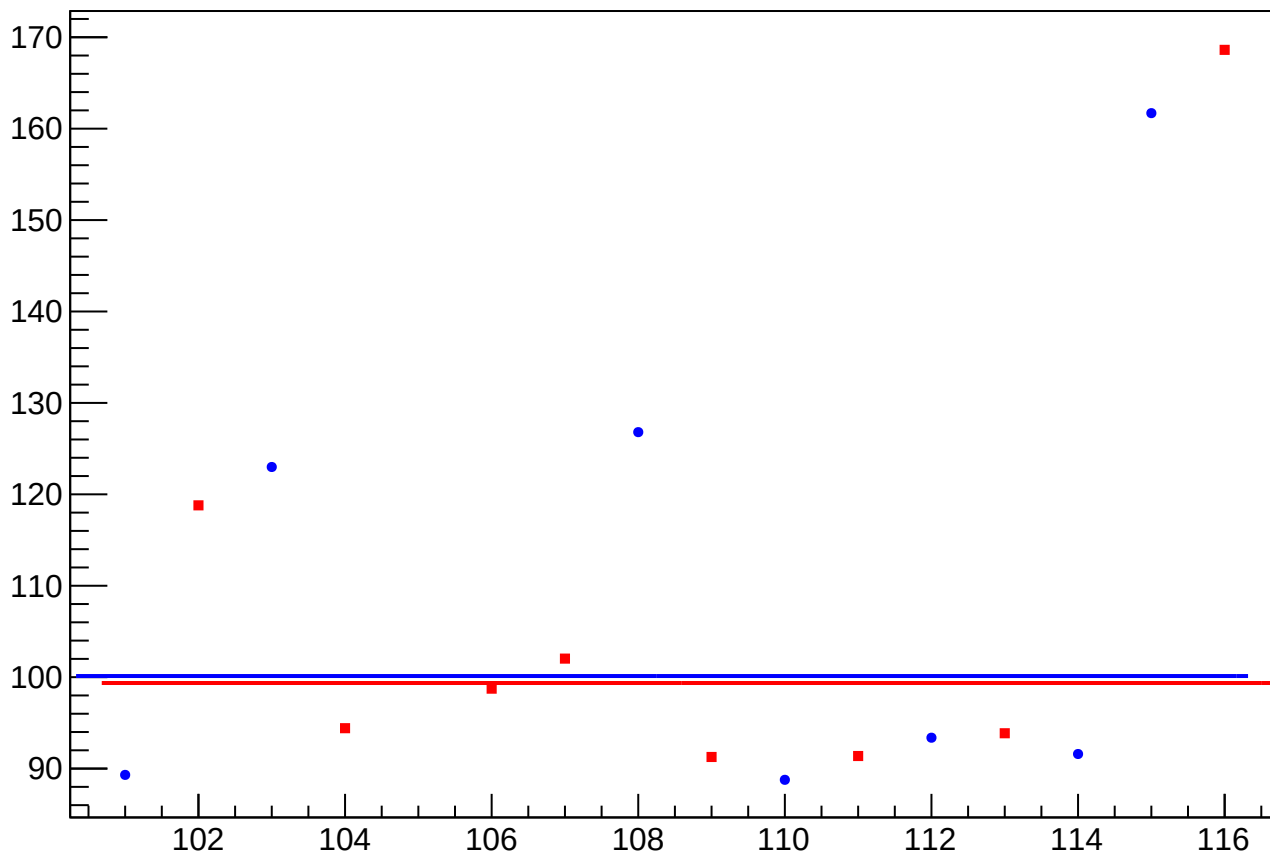
Right: -39.561+/-41.824  $\chi^2/\text{NDF}$ : 18.6/14

In: -60.463+/-63.355  $\chi^2/\text{NDF}$ :9.4/6

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

All: -39.561+/-41.824  $\chi^2/\text{NDF}$ : 18.6/14

# dit\_asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 100.124+/-0.045  $\chi^2/\text{NDF}$ : 145312.3/6

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

Right Out: 99.362+/-0.039  $\chi^2/\text{NDF}$ : 133625.6/7

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

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

Right: 99.694+/-0.030  $\chi^2/\text{NDF}$ : 279101.3/14

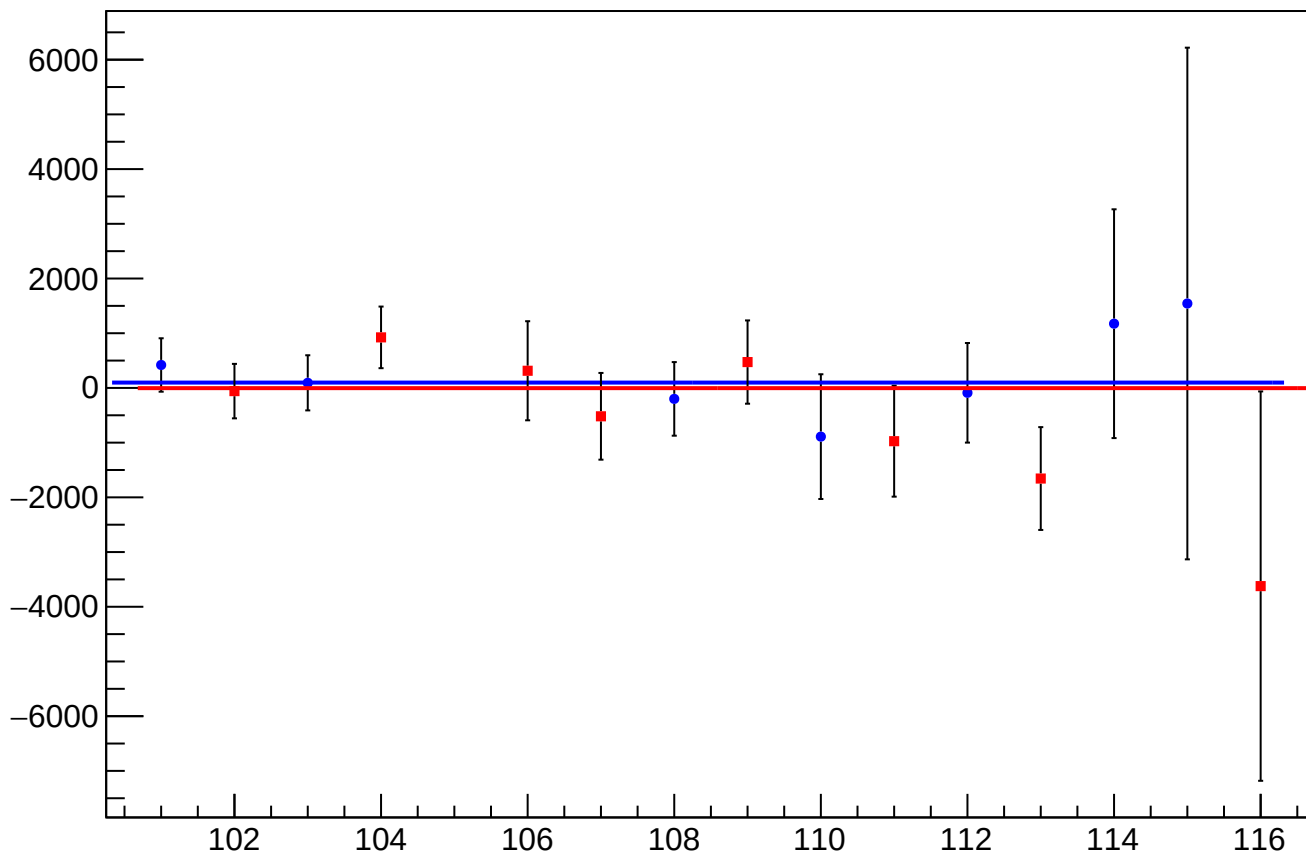
In: 100.124+/-0.045  $\chi^2/\text{NDF}$ : 145312.3/6

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

All: 99.694+/-0.030  $\chi^2/\text{NDF}$ : 279101.3/14



asym\_sam6\_correction\_mean vs Slug, Sign Corrected



Right In: 97.836+/-281.797  $\chi^2/\text{NDF}$ : 1.8/6

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

Right Out: -3.955+/-268.118  $\chi^2/\text{NDF}$ : 8.7/7

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

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

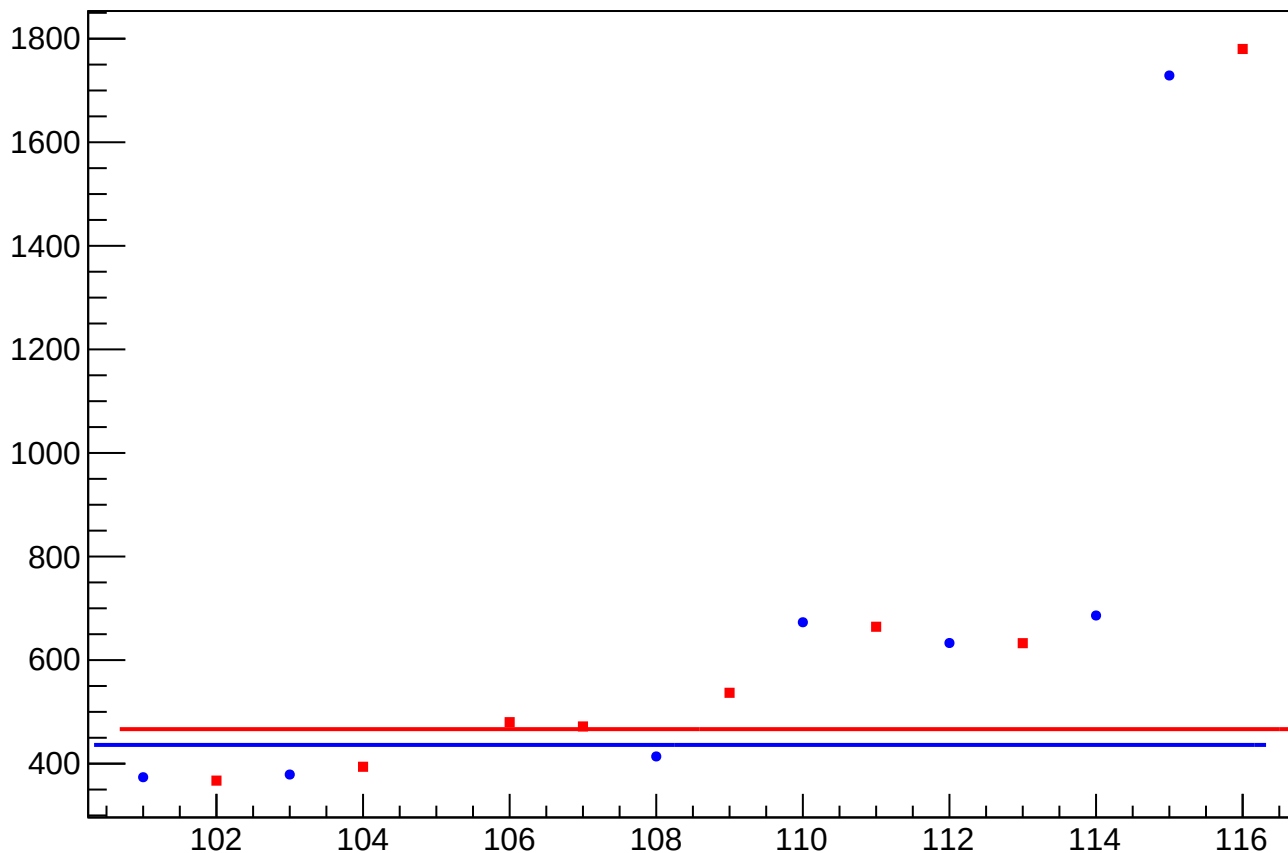
Right: 44.410+/-194.244  $\chi^2/\text{NDF}$ : 10.6/14

In: 97.836+/-281.797  $\chi^2/\text{NDF}$ : 1.8/6

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

All: 44.410+/-194.244  $\chi^2/\text{NDF}$ : 10.6/14

asym\_sam6\_correction\_rms vs Slug, Sign Corrected



Right In: 436.196+/-0.199  $\chi^2/\text{NDF}$ : 421819.9/6

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

Right Out: 466.647+/-0.190  $\chi^2/\text{NDF}$ : 541557.6/7

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

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

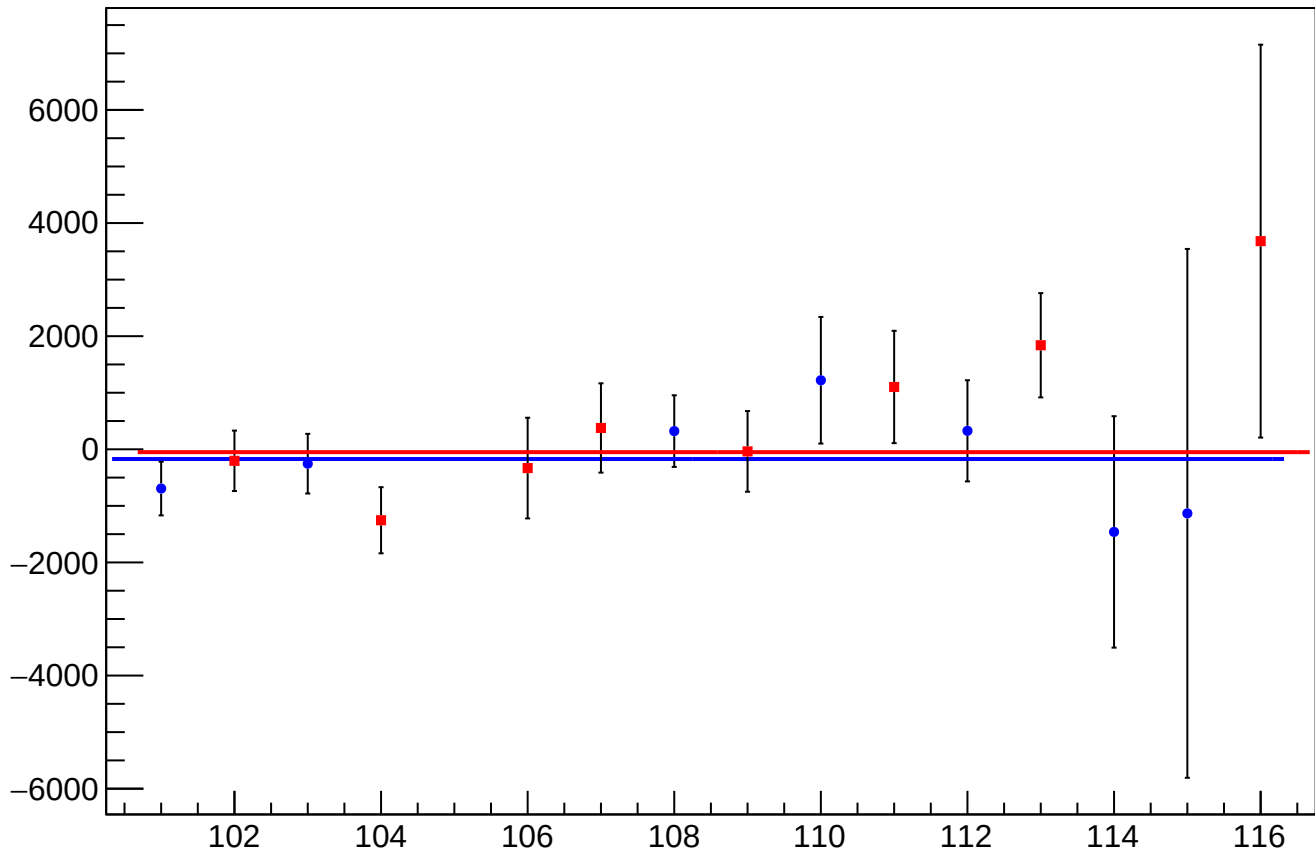
Right: 452.179+/-0.137  $\chi^2/\text{NDF}$ : 975635.6/14

In: 436.196+/-0.199  $\chi^2/\text{NDF}$ :421819.9/6

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

All: 452.179+/-0.137  $\chi^2/\text{NDF}$ : 975635.6/14

# asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -171.559+/-278.849  $\chi^2/\text{NDF}$ : 4.1/6

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

Right Out: -50.272+/-271.835  $\chi^2/\text{NDF}$ : 11.4/7

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

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

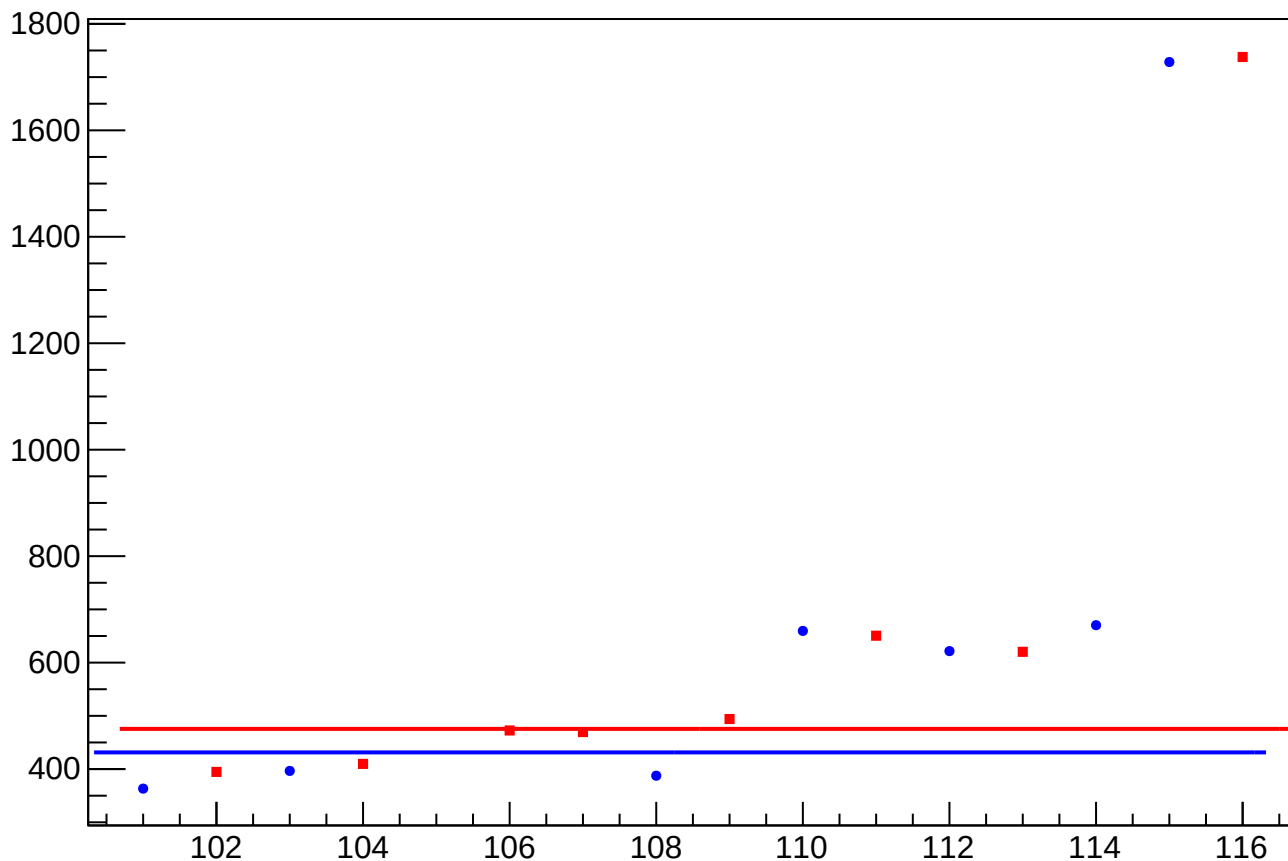
Right: -109.371+/-194.649  $\chi^2/\text{NDF}$ : 15.7/14

In: -171.559+/-278.849  $\chi^2/\text{NDF}$ : 4.1/6

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

All: -109.371+/-194.649  $\chi^2/\text{NDF}$ : 15.7/14

# asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 431.348+/-0.197  $\chi^2/\text{NDF}$ : 414320.2/6

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

Right Out: 475.525+/-0.192  $\chi^2/\text{NDF}$ : 448159.3/7

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

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

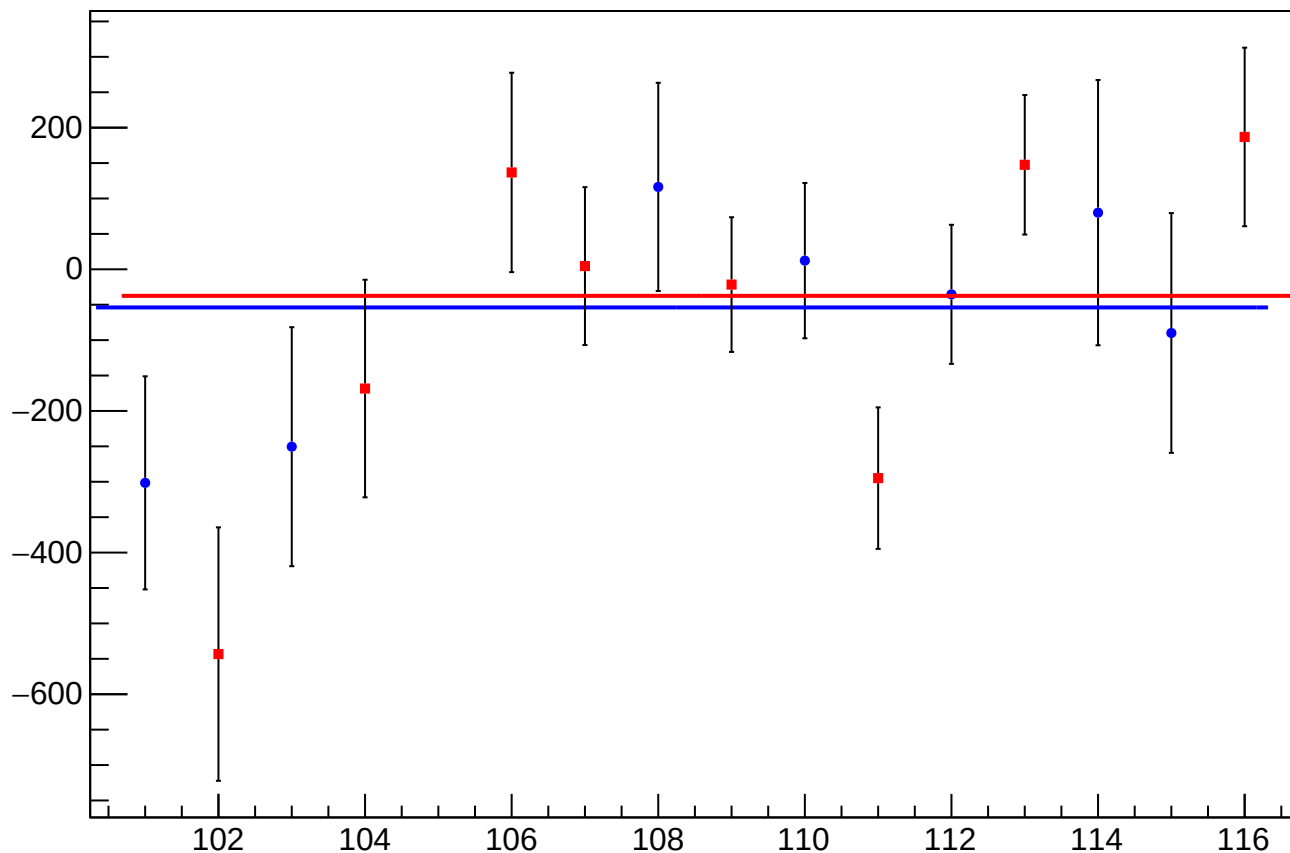
Right: 453.999+/-0.138  $\chi^2/\text{NDF}$ : 888217.4/14

In: 431.348+/-0.197  $\chi^2/\text{NDF}$ : 414320.2/6

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

All: 453.999+/-0.138  $\chi^2/\text{NDF}$ : 888217.4/14

# dit\_asym\_sam7\_mean vs Slug, Sign Corrected



Right In: -53.846 $\pm$ 51.581  $\chi^2$ /NDF: 6.4/6

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

Right Out: -37.477 $\pm$ 41.474  $\chi^2$ /NDF: 23.8/7

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

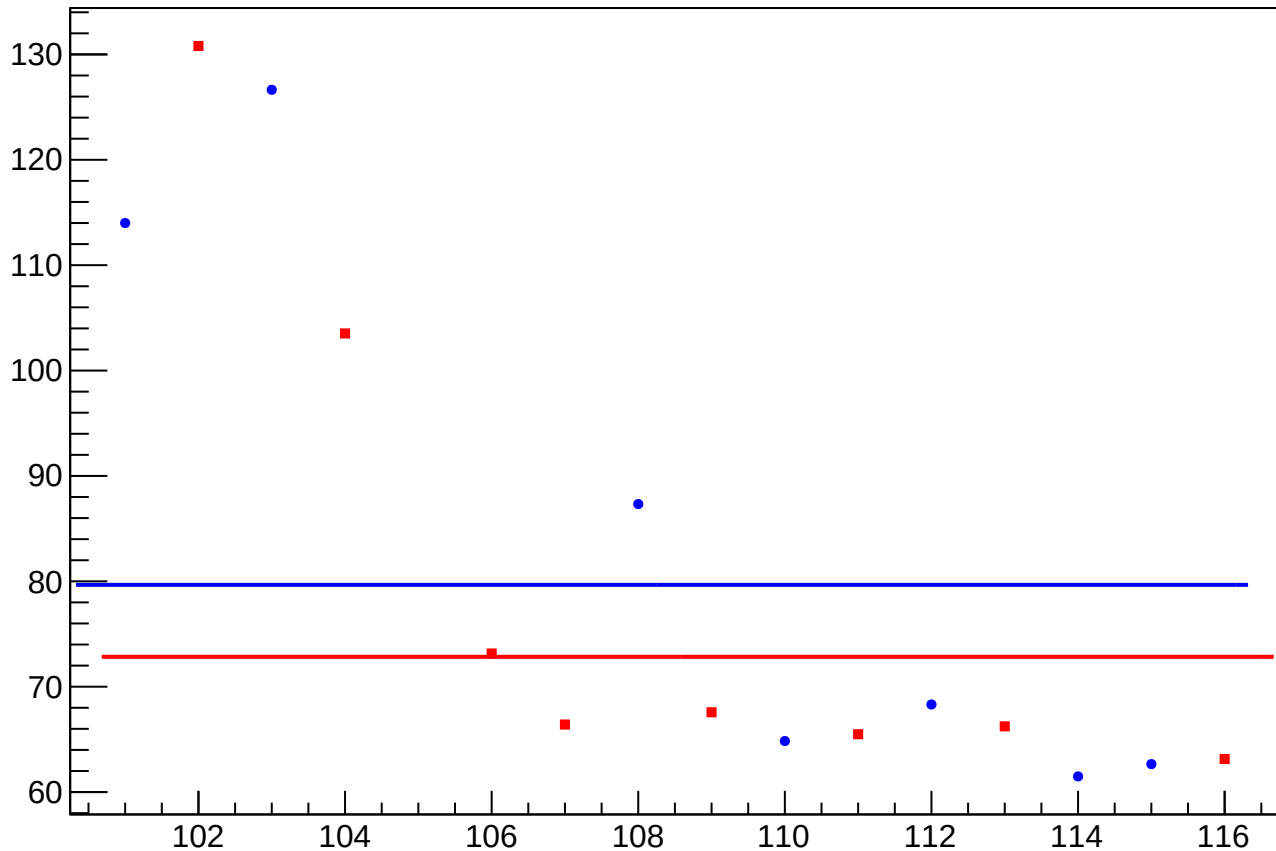
Right: -43.904 $\pm$ 32.322  $\chi^2$ /NDF: 30.2/14

In: -53.846 $\pm$ 51.581  $\chi^2$ /NDF:6.4/6

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

All: -43.904 $\pm$ 32.322  $\chi^2$ /NDF: 30.2/14

# dit\_asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 79.664 $\pm$ 0.036  $\chi^2$ /NDF: 366922.2/6

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

Right Out: 72.838 $\pm$ 0.029  $\chi^2$ /NDF: 334088.6/7

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

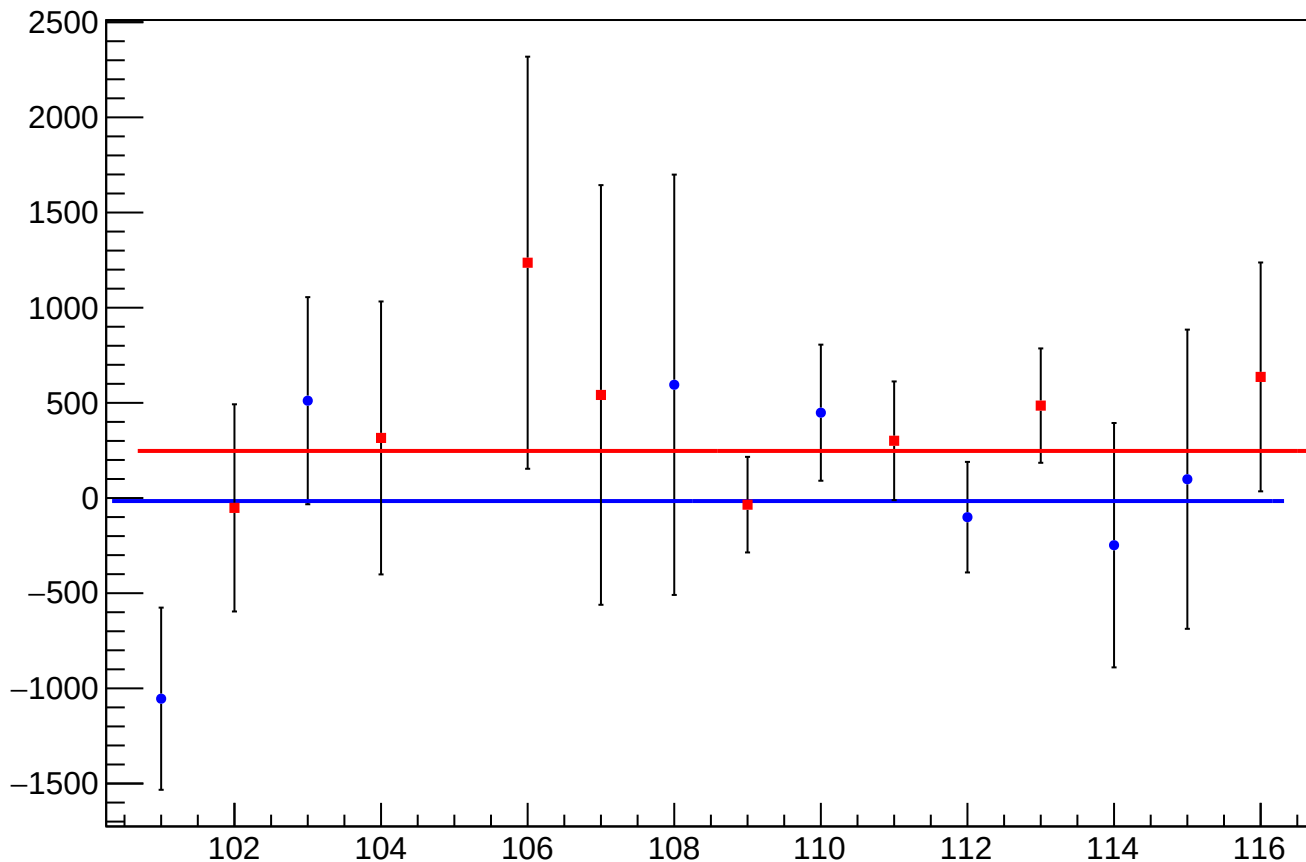
Right: 75.518 $\pm$ 0.023  $\chi^2$ /NDF: 722284.1/14

In: 79.664 $\pm$ 0.036  $\chi^2$ /NDF: 366922.2/6

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

All: 75.518 $\pm$ 0.023  $\chi^2$ /NDF: 722284.1/14

# asym\_sam7\_correction\_mean vs Slug, Sign Corrected



Right In: -15.874+/-175.994  $\chi^2/\text{NDF}$ : 7.9/6

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

Right Out: 247.387+/-145.881  $\chi^2/\text{NDF}$ : 3.6/7

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

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

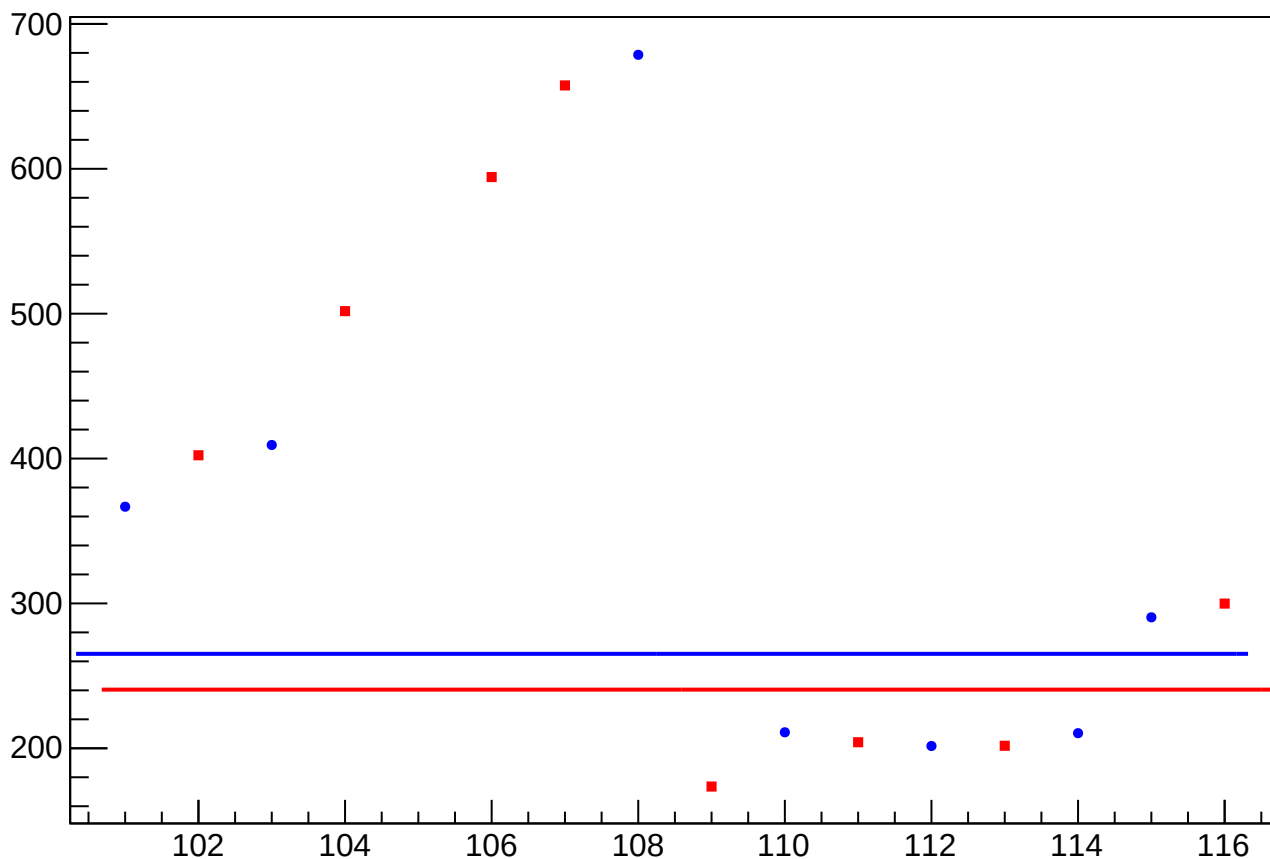
Right: 140.173+/-112.313  $\chi^2/\text{NDF}$ : 12.8/14

In: -15.874+/-175.994  $\chi^2/\text{NDF}$ :7.9/6

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

All: 140.173+/-112.313  $\chi^2/\text{NDF}$ : 12.8/14

asym\_sam7\_correction\_rms vs Slug, Sign Corrected



Right In: 265.191+/-0.124  $\chi^2/\text{NDF}$ : 669359.1/6

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

Right Out: 240.492+/-0.103  $\chi^2/\text{NDF}$ : 1163894.6/7

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

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

Right: 250.551+/-0.079  $\chi^2/\text{NDF}$ : 1856602.5/14

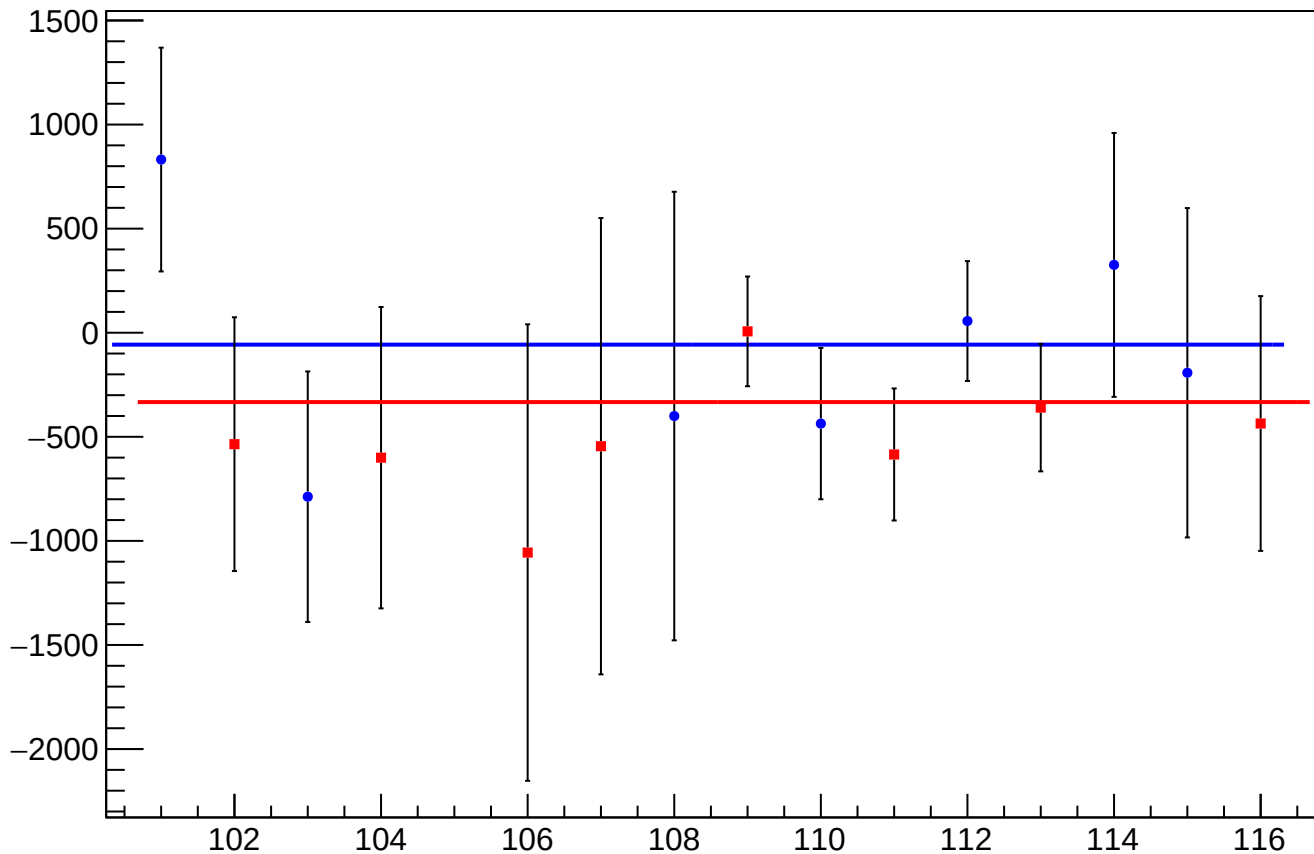
In: 265.191+/-0.124  $\chi^2/\text{NDF}$ : 669359.1/6

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

All: 250.551+/-0.079  $\chi^2/\text{NDF}$ : 1856602.5/14



# asym\_sam7\_mean vs Slug, Sign Corrected



Right In: -57.272 $\pm$ 180.178  $\chi^2$ /NDF: 6.0/6

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

Right Out: -333.240 $\pm$ 150.841  $\chi^2$ /NDF: 3.0/7

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

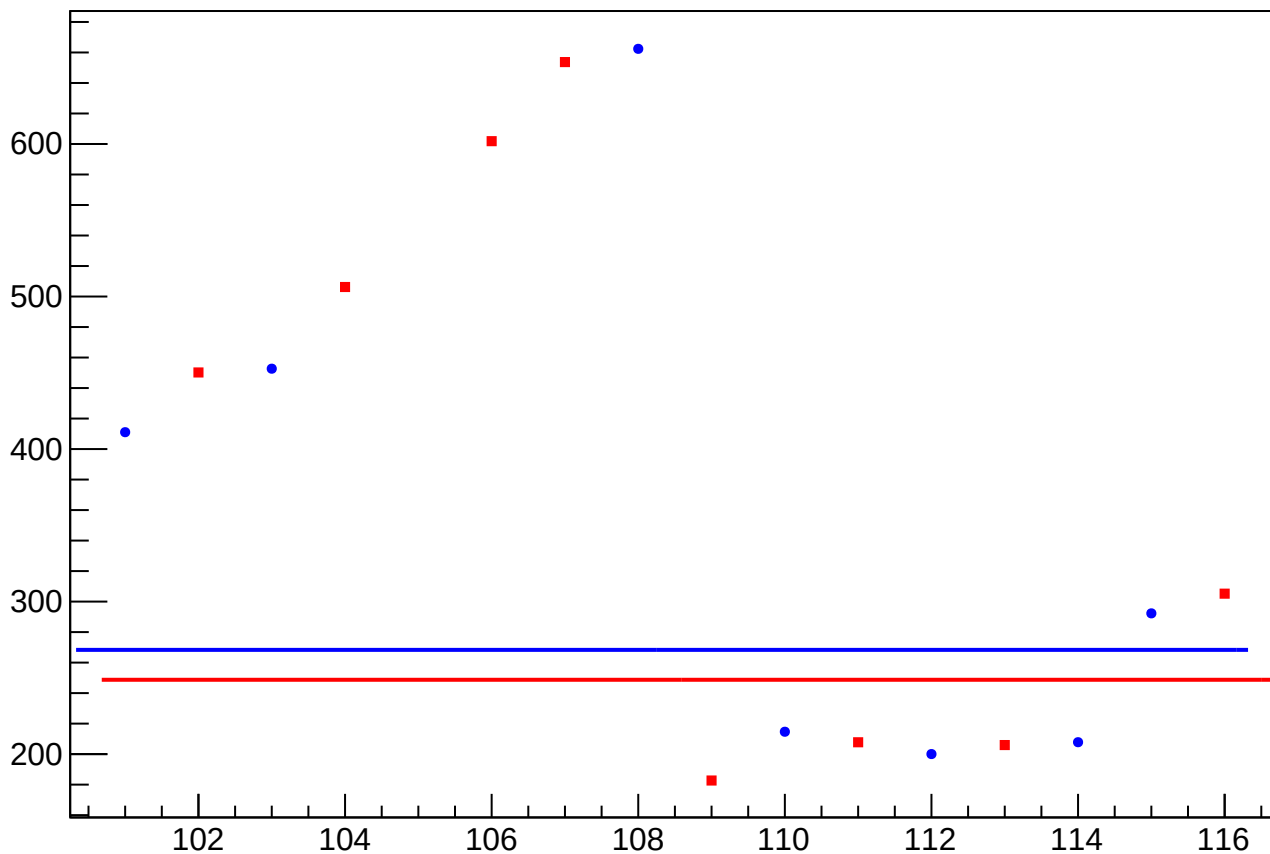
Right: -219.523 $\pm$ 115.660  $\chi^2$ /NDF: 10.4/14

In: -57.272 $\pm$ 180.178  $\chi^2$ /NDF:6.0/6

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

All: -219.523 $\pm$ 115.660  $\chi^2$ /NDF: 10.4/14

# asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 268.346+/-0.127  $\chi^2/\text{NDF}$ : 772504.3/6

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

Right Out: 248.740+/-0.107  $\chi^2/\text{NDF}$ : 1167135.6/7

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

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

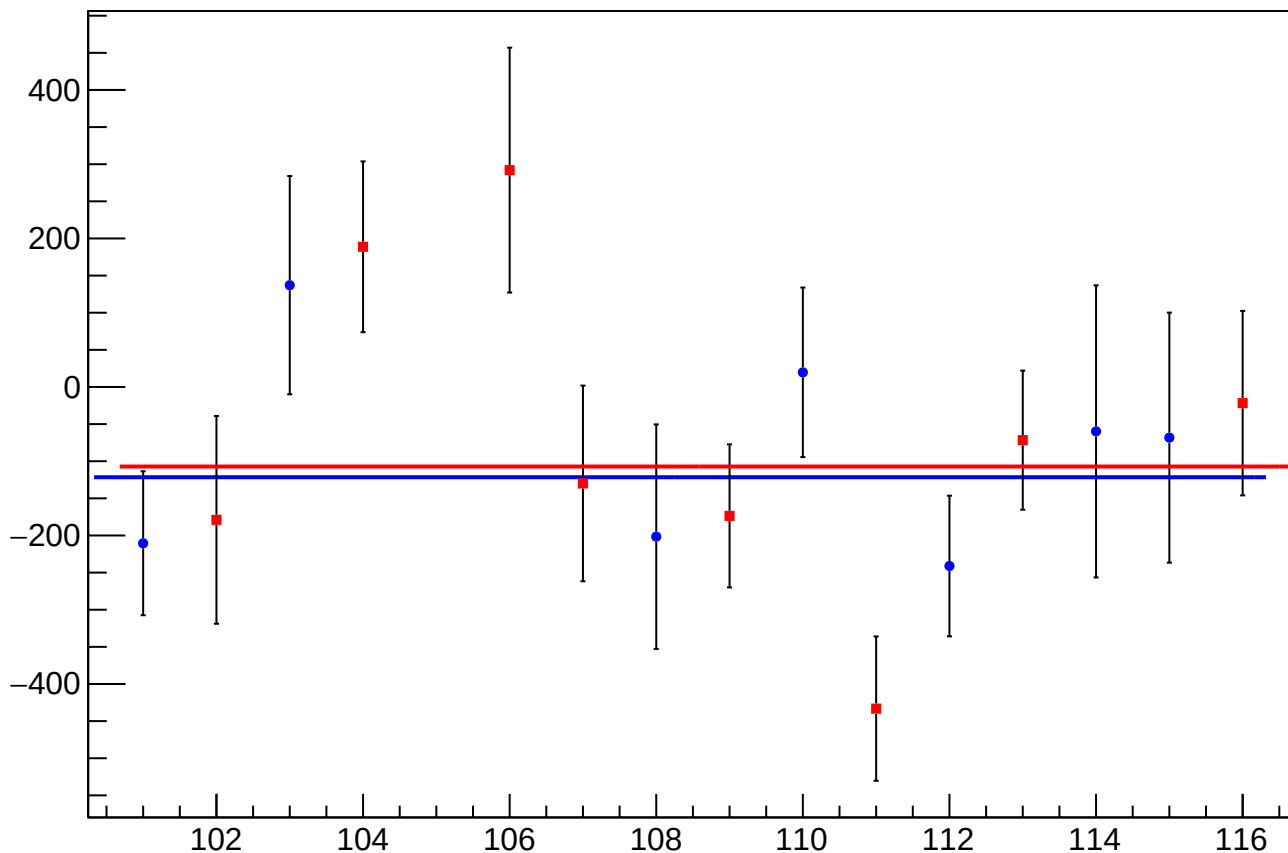
Right: 256.819+/-0.082  $\chi^2/\text{NDF}$ : 1953563.3/14

In: 268.346+/-0.127  $\chi^2/\text{NDF}$ : 772504.3/6

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

All: 256.819+/-0.082  $\chi^2/\text{NDF}$ : 1953563.3/14

# dit\_asym\_sam8\_mean vs Slug, Sign Corrected



Right In:  $-121.544 \pm 47.364$   $\chi^2/\text{NDF}$ : 7.5/6

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

Right Out:  $-107.152 \pm 40.380$   $\chi^2/\text{NDF}$ : 25.1/7

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

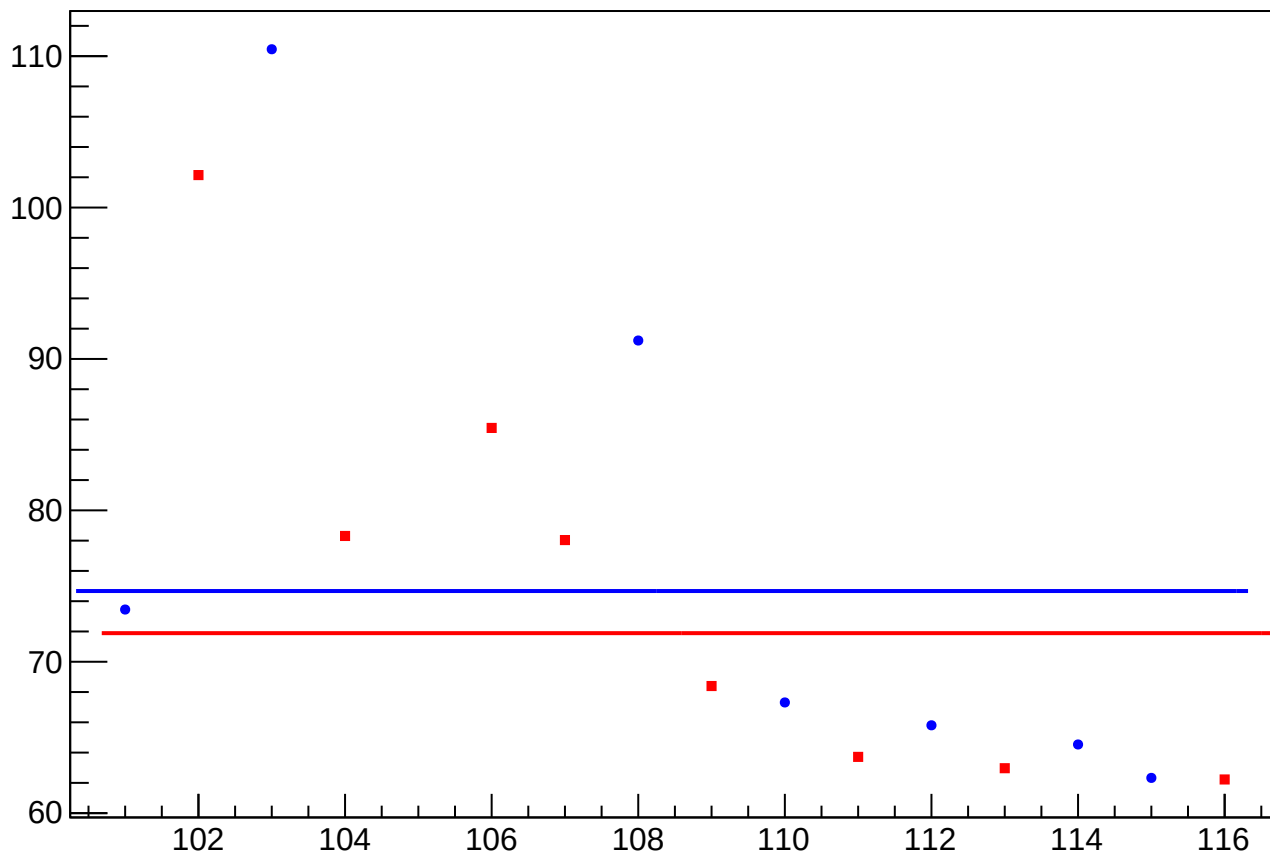
Right:  $-113.210 \pm 30.729$   $\chi^2/\text{NDF}$ : 32.7/14

In:  $-121.544 \pm 47.364$   $\chi^2/\text{NDF}$ : 7.5/6

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

All:  $-113.210 \pm 30.729$   $\chi^2/\text{NDF}$ : 32.7/14

# dit\_asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 74.671 $\pm$ 0.033  $\chi^2/\text{NDF}$ : 184754.2/6

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

Right Out: 71.889 $\pm$ 0.029  $\chi^2/\text{NDF}$ : 164608.3/7

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

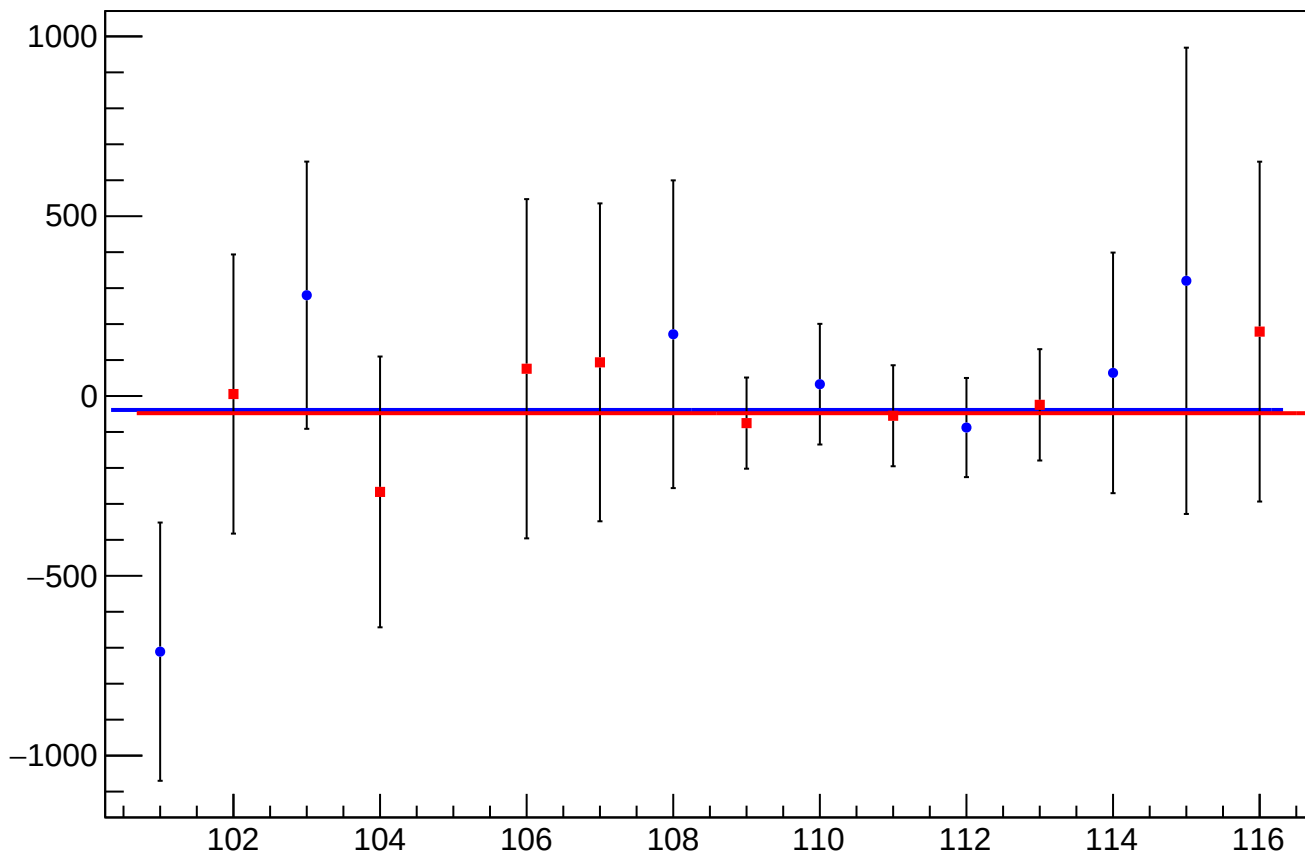
Right: 73.060 $\pm$ 0.022  $\chi^2/\text{NDF}$ : 353359.4/14

In: 74.671 $\pm$ 0.033  $\chi^2/\text{NDF}$ : 184754.2/6

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

All: 73.060 $\pm$ 0.022  $\chi^2/\text{NDF}$ : 353359.4/14

asym\_sam8\_correction\_mean vs Slug, Sign Corrected



Right In: -38.796+/-91.319  $\chi^2/\text{NDF}$ : 5.2/6

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

Right Out: -47.793+/-74.036  $\chi^2/\text{NDF}$ : 0.8/7

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

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

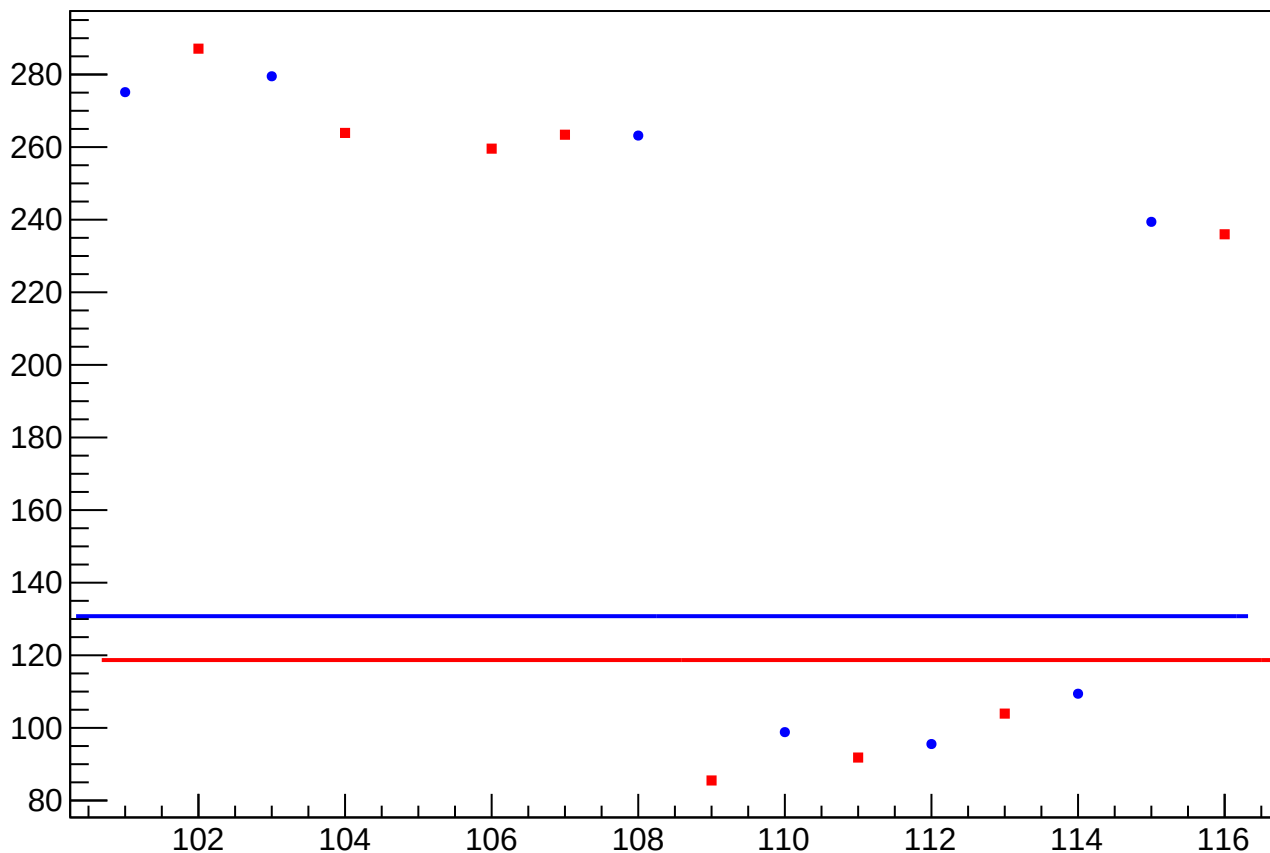
Right: -44.225+/-57.510  $\chi^2/\text{NDF}$ : 6.0/14

In: -38.796+/-91.319  $\chi^2/\text{NDF}$ : 5.2/6

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

All: -44.225+/-57.510  $\chi^2/\text{NDF}$ : 6.0/14

# asym\_sam8\_correction\_rms vs Slug, Sign Corrected



Right In: 130.775+/-0.065  $\chi^2/\text{NDF}$ : 1102636.9/6

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

Right Out: 118.686+/-0.052  $\chi^2/\text{NDF}$ : 1418425.5/7

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

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

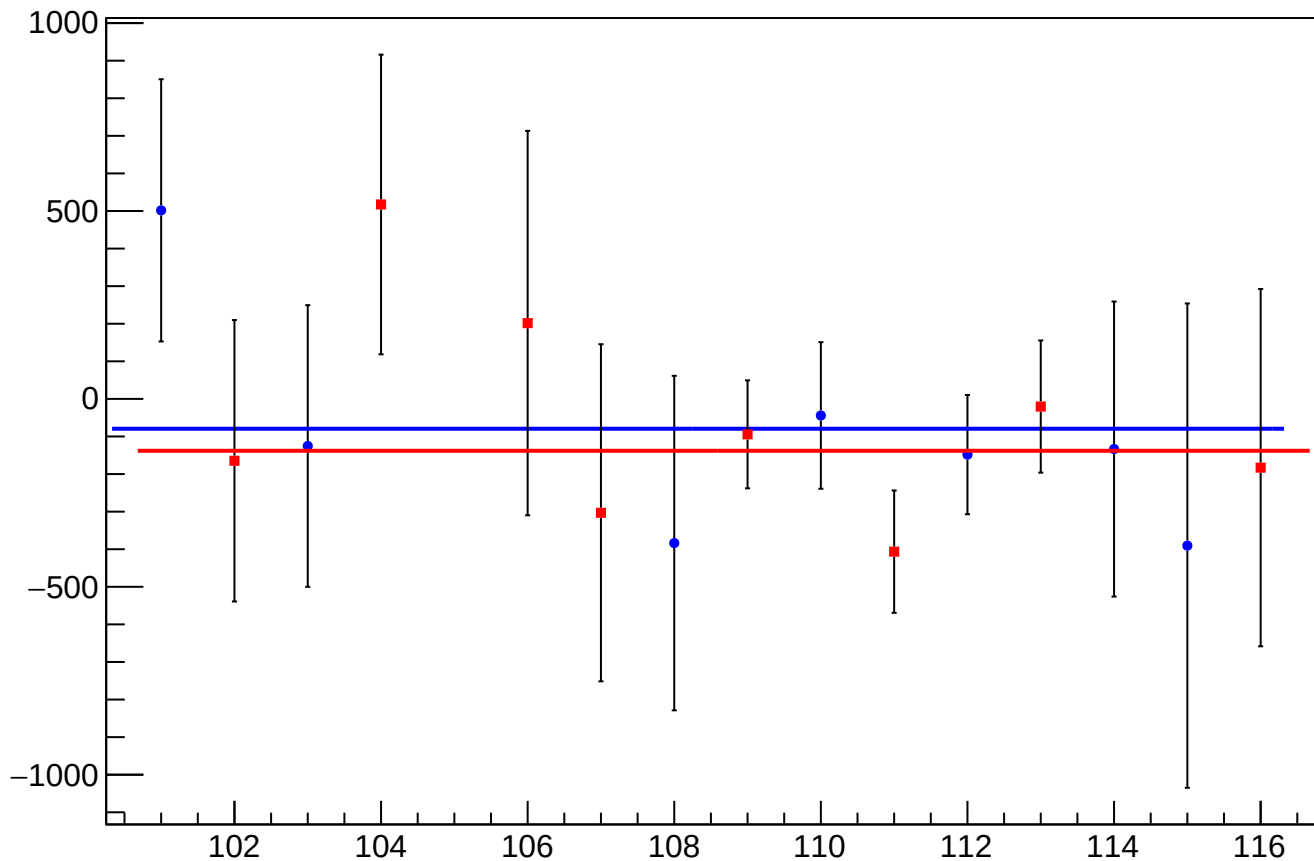
Right: 123.480+/-0.041  $\chi^2/\text{NDF}$ : 2542211.6/14

In: 130.775+/-0.065  $\chi^2/\text{NDF}$ : 1102636.9/6

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

All: 123.480+/-0.041  $\chi^2/\text{NDF}$ : 2542211.6/14

# asym\_sam8\_mean vs Slug, Sign Corrected



Right In:  $-79.371 \pm 102.422$   $\chi^2/\text{NDF}$ : 3.7/6

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

Right Out:  $-138.007 \pm 82.998$   $\chi^2/\text{NDF}$ : 6.6/7

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

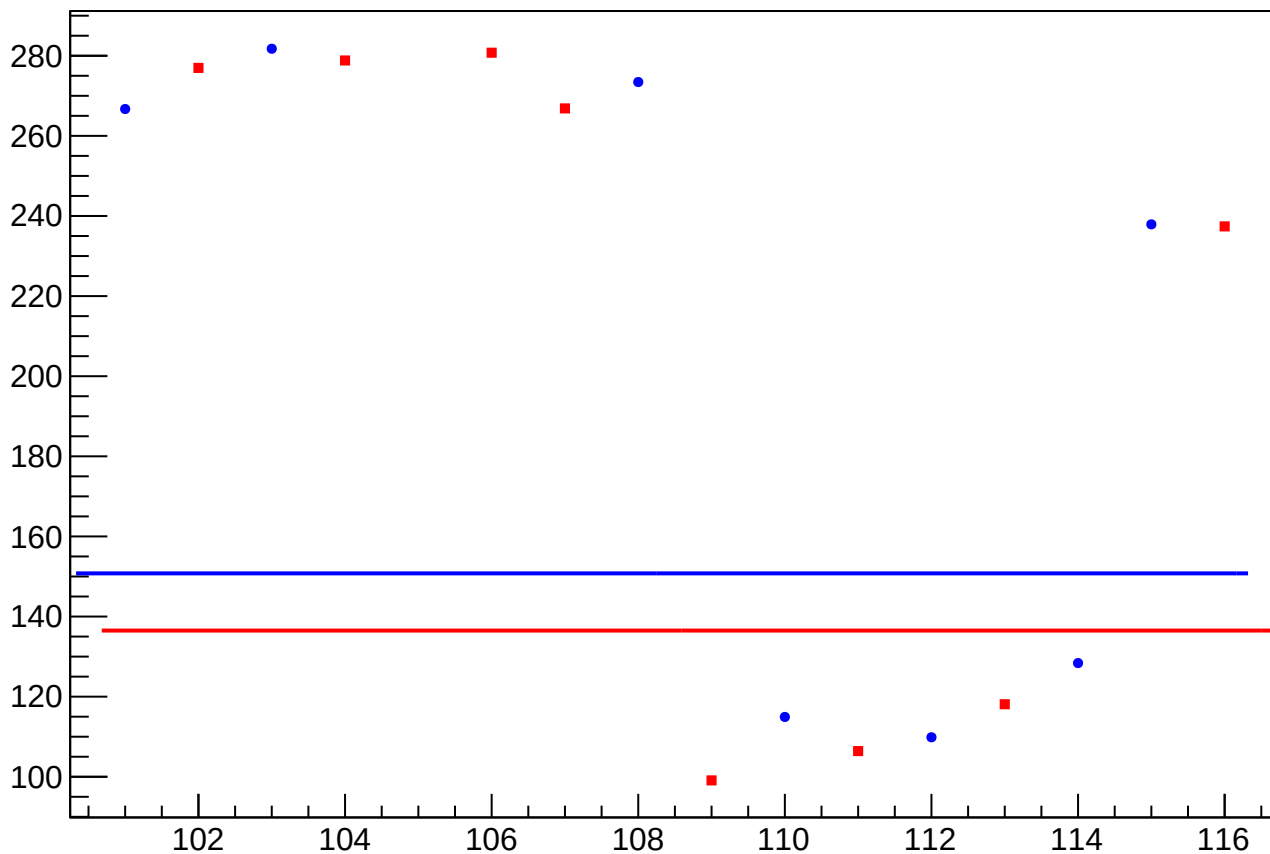
Right:  $-114.765 \pm 64.484$   $\chi^2/\text{NDF}$ : 10.5/14

In:  $-79.371 \pm 102.422$   $\chi^2/\text{NDF}$ : 3.7/6

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

All:  $-114.765 \pm 64.484$   $\chi^2/\text{NDF}$ : 10.5/14

# asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 150.778 $\pm$ 0.072  $\chi^2$ /NDF: 860822.2/6

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

Right Out: 136.505 $\pm$ 0.059  $\chi^2$ /NDF: 1180254.2/7

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

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

Right: 142.163 $\pm$ 0.046  $\chi^2$ /NDF: 2064522.3/14

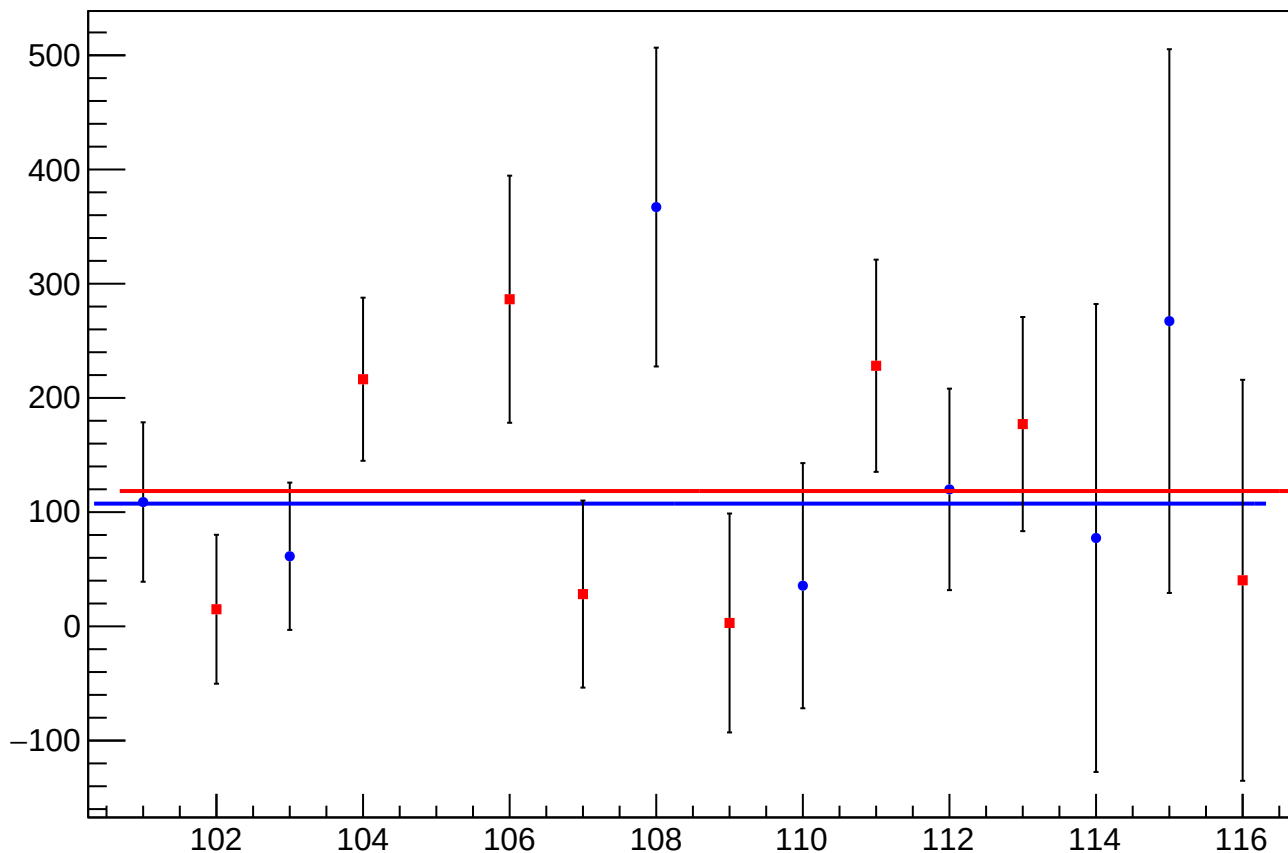
In: 150.778 $\pm$ 0.072  $\chi^2$ /NDF:860822.2/6

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

All: 142.163 $\pm$ 0.046  $\chi^2$ /NDF: 2064522.3/14



dit\_asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: 107.459+/-36.421  $\chi^2/\text{NDF}$ : 4.9/6

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

Right Out: 118.483+/-31.054  $\chi^2/\text{NDF}$ : 11.5/7

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

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

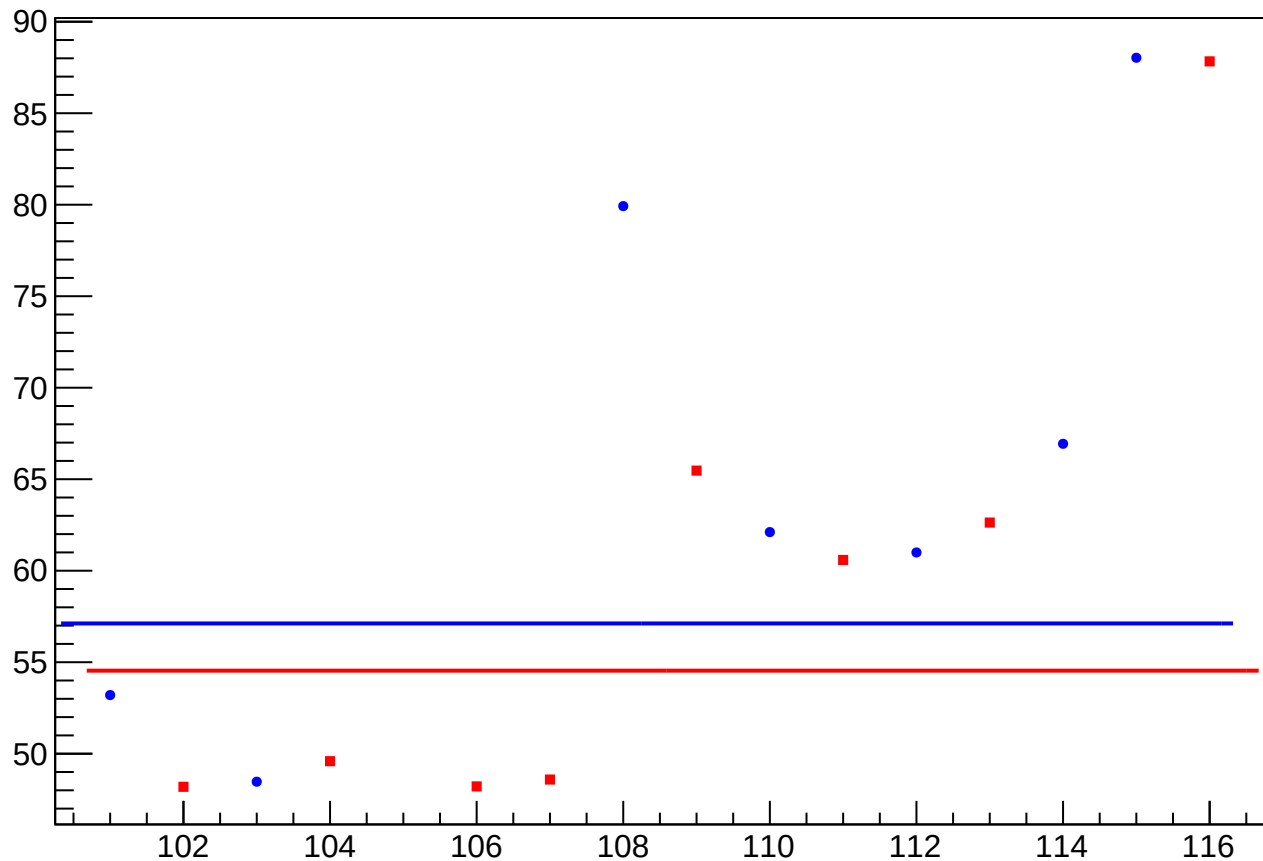
Right: 113.842+/-23.631  $\chi^2/\text{NDF}$ : 16.4/14

In: 107.459+/-36.421  $\chi^2/\text{NDF}$ : 4.9/6

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

All: 113.842+/-23.631  $\chi^2/\text{NDF}$ : 16.4/14

dit\_asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 57.118+/-0.026  $\chi^2/\text{NDF}$ : 142180.3/6

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

Right Out: 54.539+/-0.022  $\chi^2/\text{NDF}$ : 167302.3/7

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

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

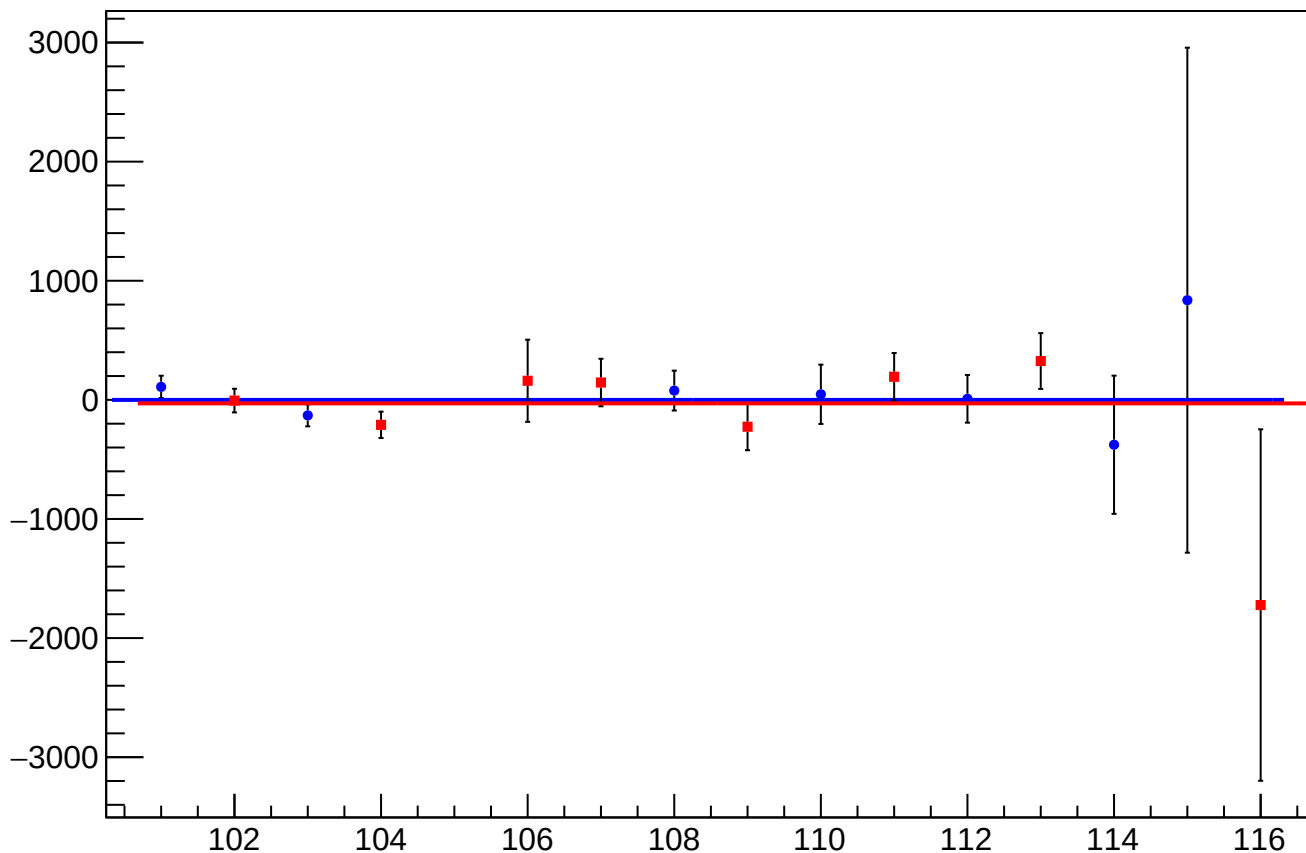
Right: 55.625+/-0.017  $\chi^2/\text{NDF}$ : 315288.1/14

In: 57.118+/-0.026  $\chi^2/\text{NDF}$ : 142180.3/6

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

All: 55.625+/-0.017  $\chi^2/\text{NDF}$ : 315288.1/14

asym\_sam\_15\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -0.418+/-56.528  $\chi^2/\text{NDF}$ : 4.2/6

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

Right Out: -29.599+/-59.136  $\chi^2/\text{NDF}$ : 9.6/7

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

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

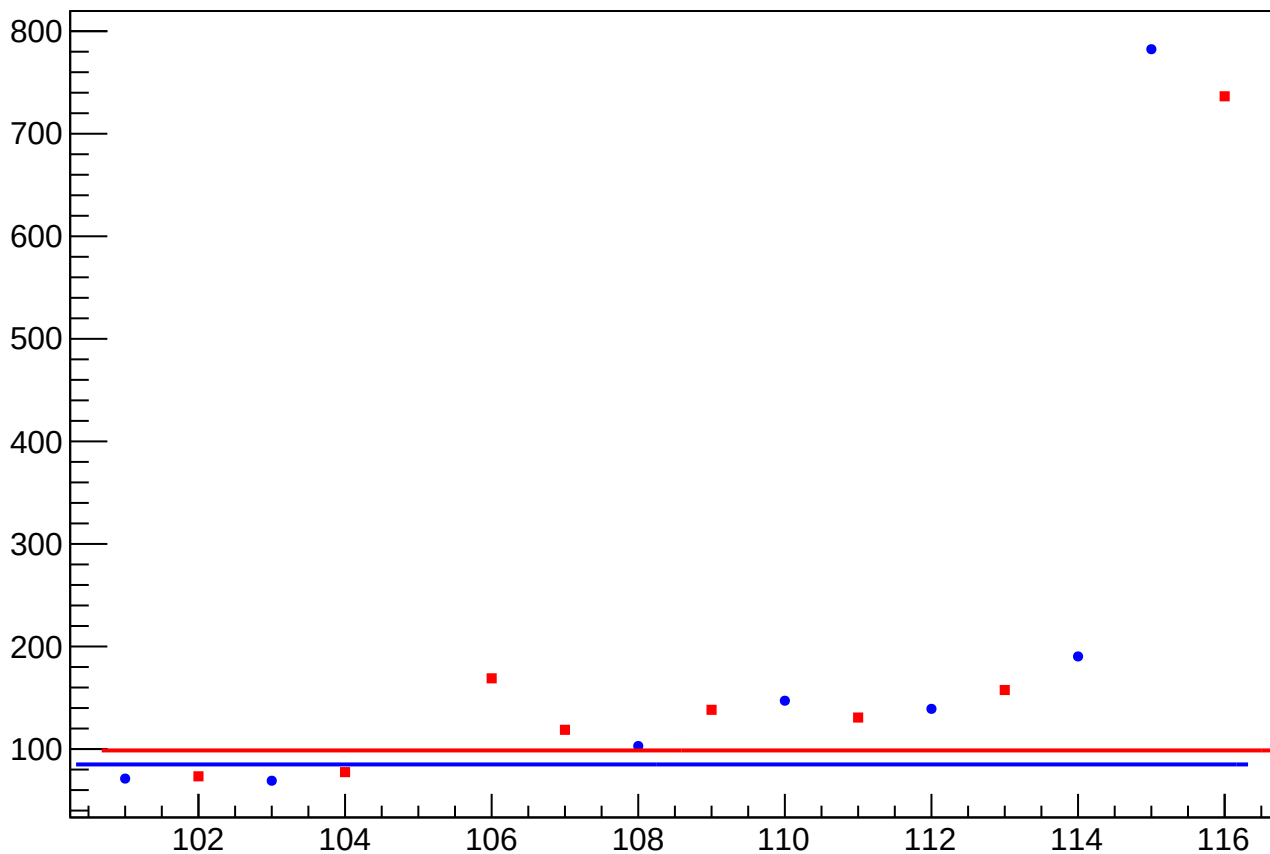
Right: -14.351+/-40.862  $\chi^2/\text{NDF}$ : 14.0/14

In: -0.418+/-56.528  $\chi^2/\text{NDF}$ : 4.2/6

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

All: -14.351+/-40.862  $\chi^2/\text{NDF}$ : 14.0/14

asym\_sam\_15\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 84.991+/-0.040  $\chi^2/\text{NDF}$ : 679847.1/6

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

Right Out: 98.652+/-0.042  $\chi^2/\text{NDF}$ : 938219.4/7

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

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

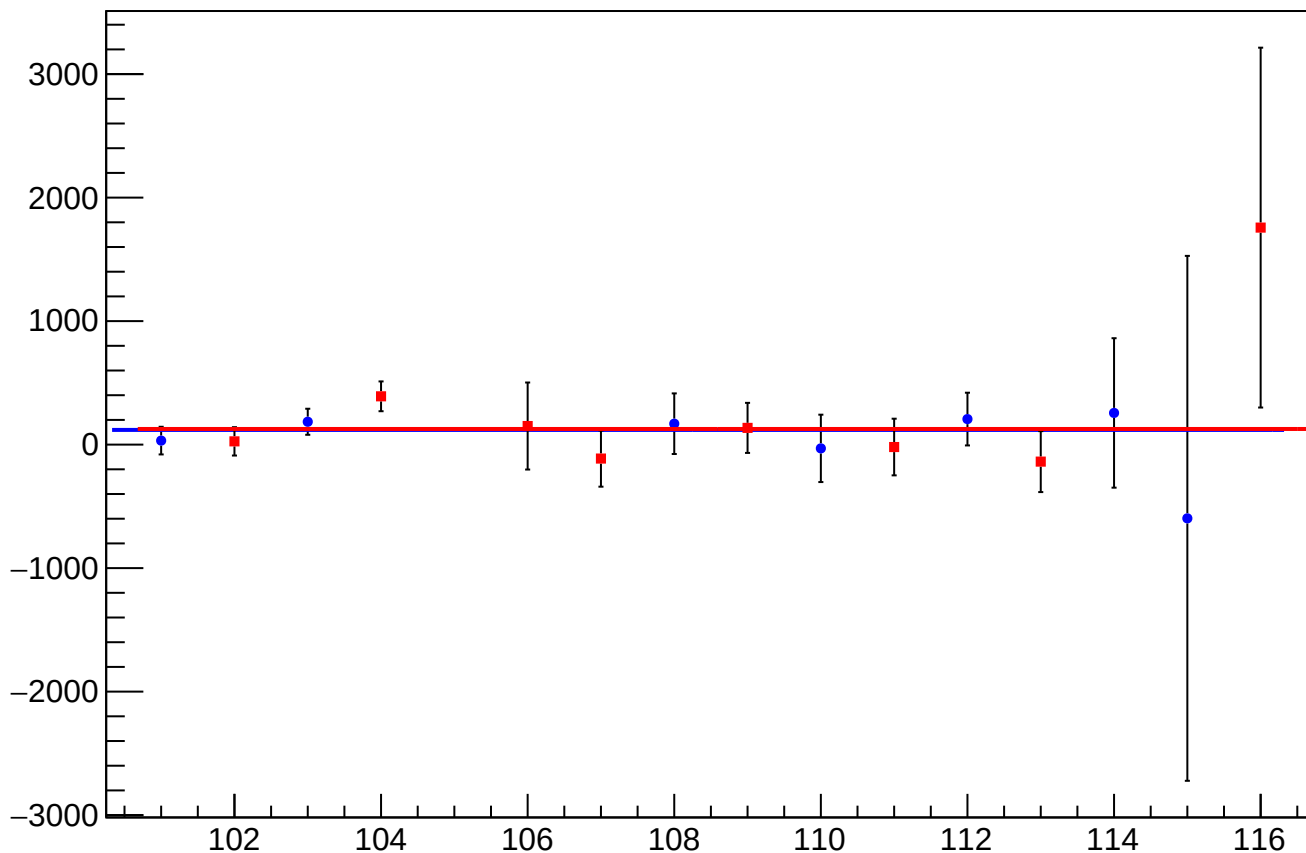
Right: 91.514+/-0.029  $\chi^2/\text{NDF}$ : 1673838.4/14

In: 84.991+/-0.040  $\chi^2/\text{NDF}$ : 679847.1/6

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

All: 91.514+/-0.029  $\chi^2/\text{NDF}$ : 1673838.4/14

# asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: 118.987+/-66.724  $\chi^2/\text{NDF}$ : 1.7/6

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

Right Out: 126.623+/-65.625  $\chi^2/\text{NDF}$ : 9.5/7

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

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

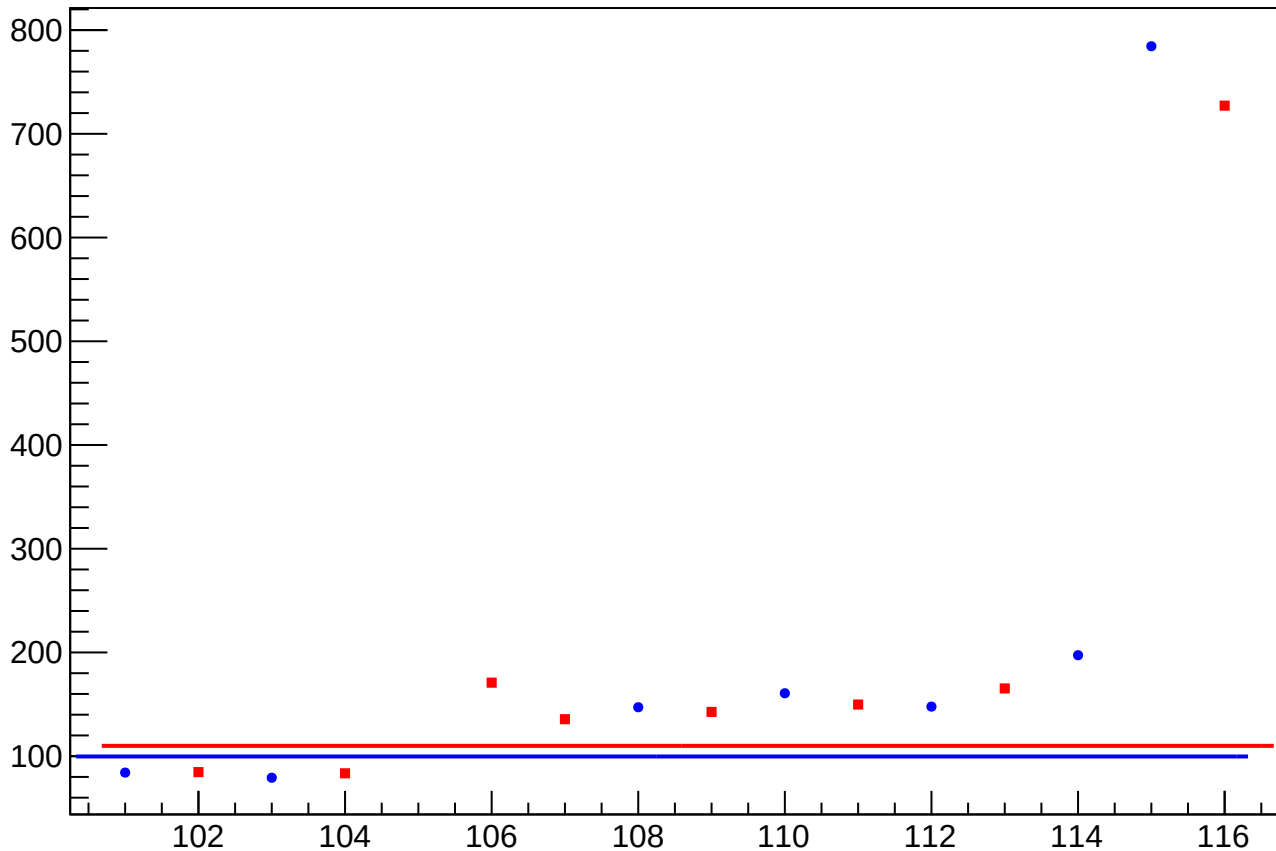
Right: 122.869+/-46.787  $\chi^2/\text{NDF}$ : 11.2/14

In: 118.987+/-66.724  $\chi^2/\text{NDF}$ : 1.7/6

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

All: 122.869+/-46.787  $\chi^2/\text{NDF}$ : 11.2/14

# asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 99.723+/-0.047  $\chi^2/\text{NDF}$ : 649737.5/6

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

Right Out: 109.963+/-0.046  $\chi^2/\text{NDF}$ : 850755.3/7

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

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

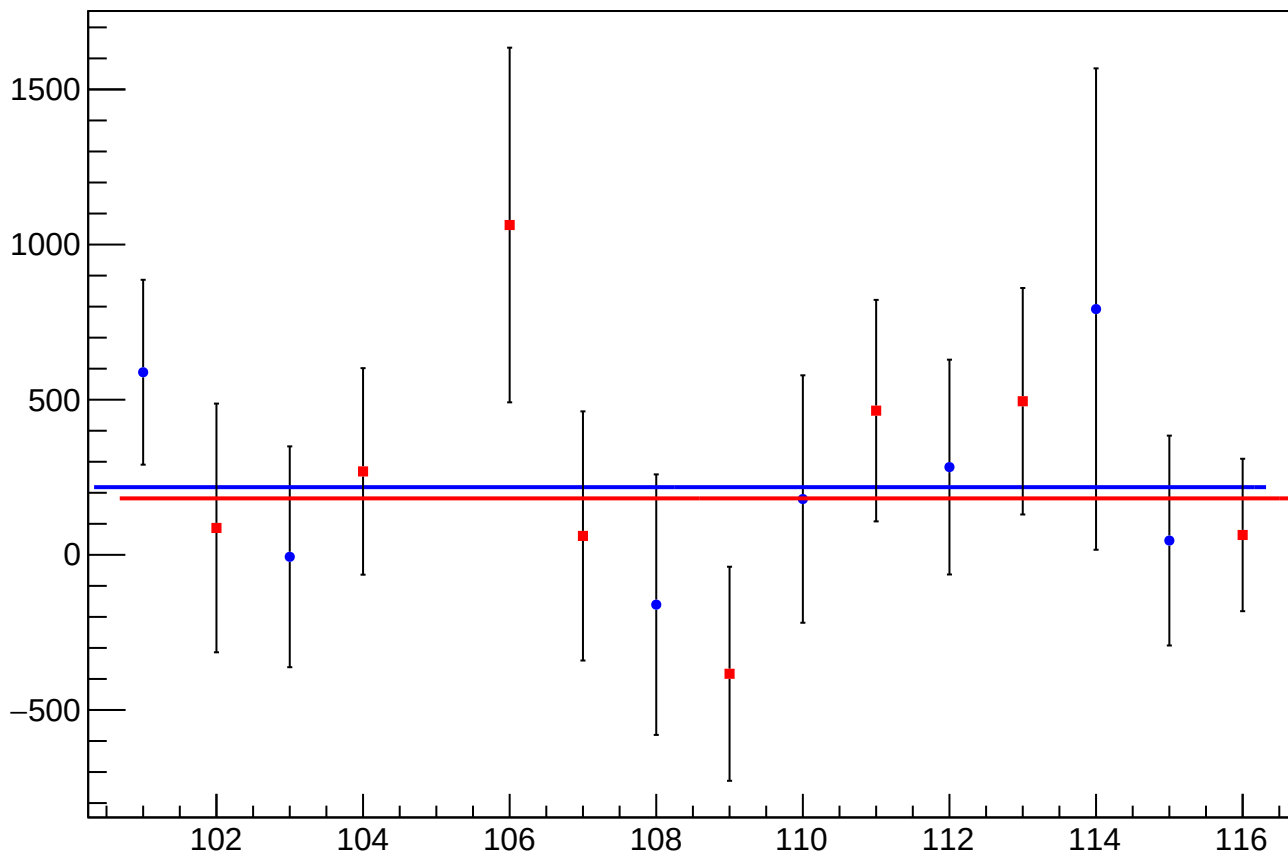
Right: 104.928+/-0.033  $\chi^2/\text{NDF}$ : 1524437.2/14

In: 99.723+/-0.047  $\chi^2/\text{NDF}$ : 649737.5/6

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

All: 104.928+/-0.033  $\chi^2/\text{NDF}$ : 1524437.2/14

dit\_asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In: 218.150+/-141.594  $\chi^2/\text{NDF}$ : 3.6/6

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

Right Out: 181.995+/-124.178  $\chi^2/\text{NDF}$ : 6.9/7

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

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

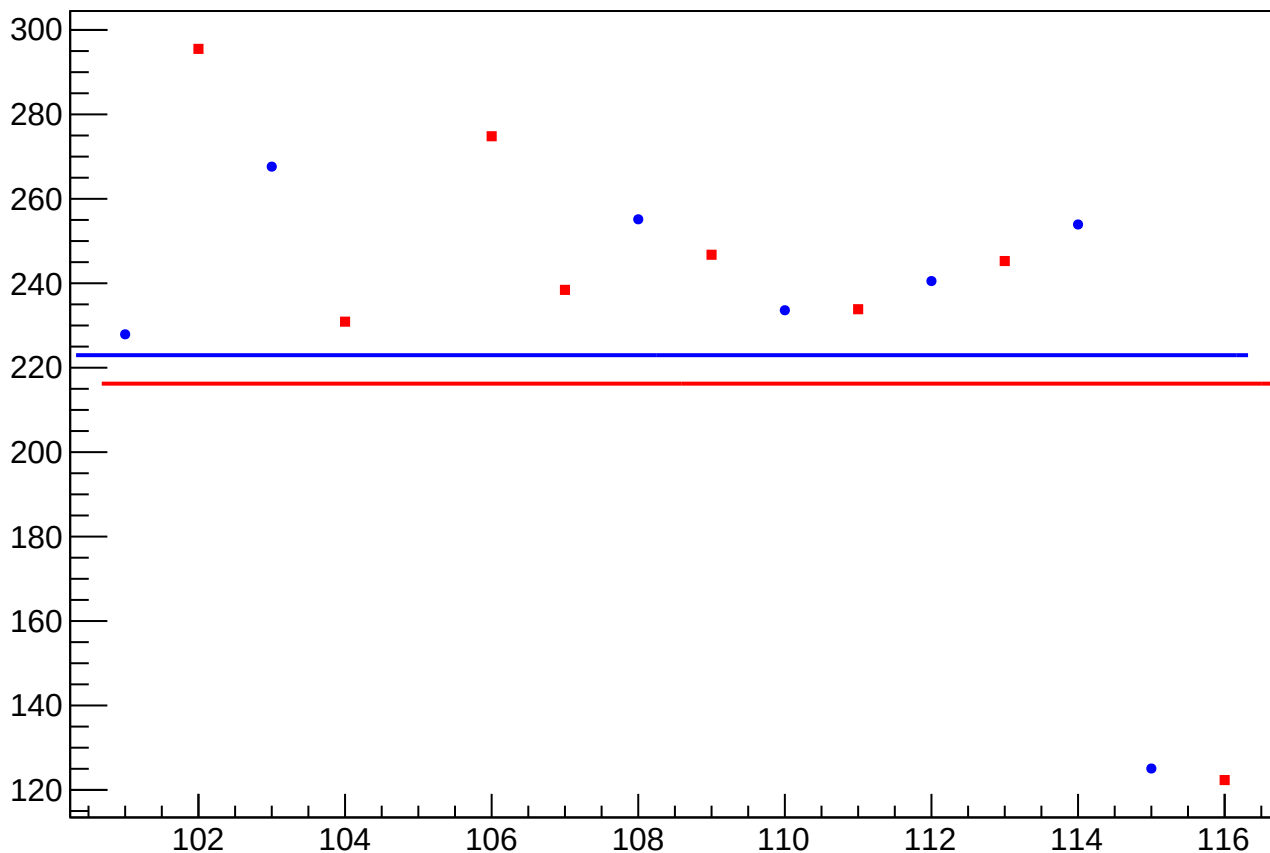
Right: 197.713+/-93.361  $\chi^2/\text{NDF}$ : 10.5/14

In: 218.150+/-141.594  $\chi^2/\text{NDF}$ :3.6/6

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

All: 197.713+/-93.361  $\chi^2/\text{NDF}$ : 10.5/14

dit\_asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 222.967 $\pm$ 0.100  $\chi^2$ /NDF: 221147.8/6

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

Right Out: 216.228 $\pm$ 0.088  $\chi^2$ /NDF: 434734.7/7

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: 219.158 $\pm$ 0.066  $\chi^2$ /NDF: 658443.9/14

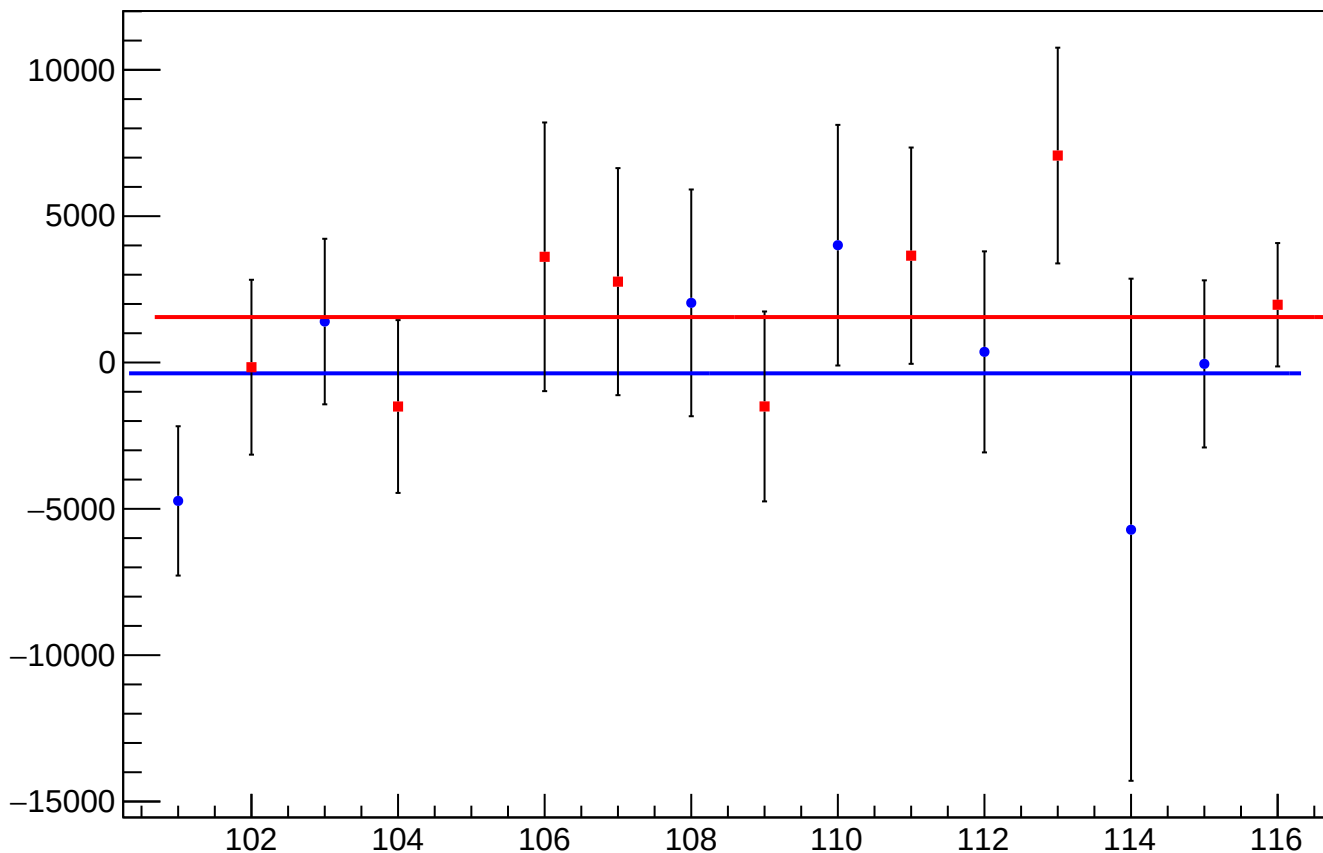
In: 222.967 $\pm$ 0.100  $\chi^2$ /NDF:221147.8/6

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

All: 219.158 $\pm$ 0.066  $\chi^2$ /NDF: 658443.9/14



asym\_sam\_26\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -370.027+/-1264.448  $\chi^2/\text{NDF}$ : 5.3/6

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

Right Out: 1552.704+/-1112.799  $\chi^2/\text{NDF}$ : 5.2/7

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

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

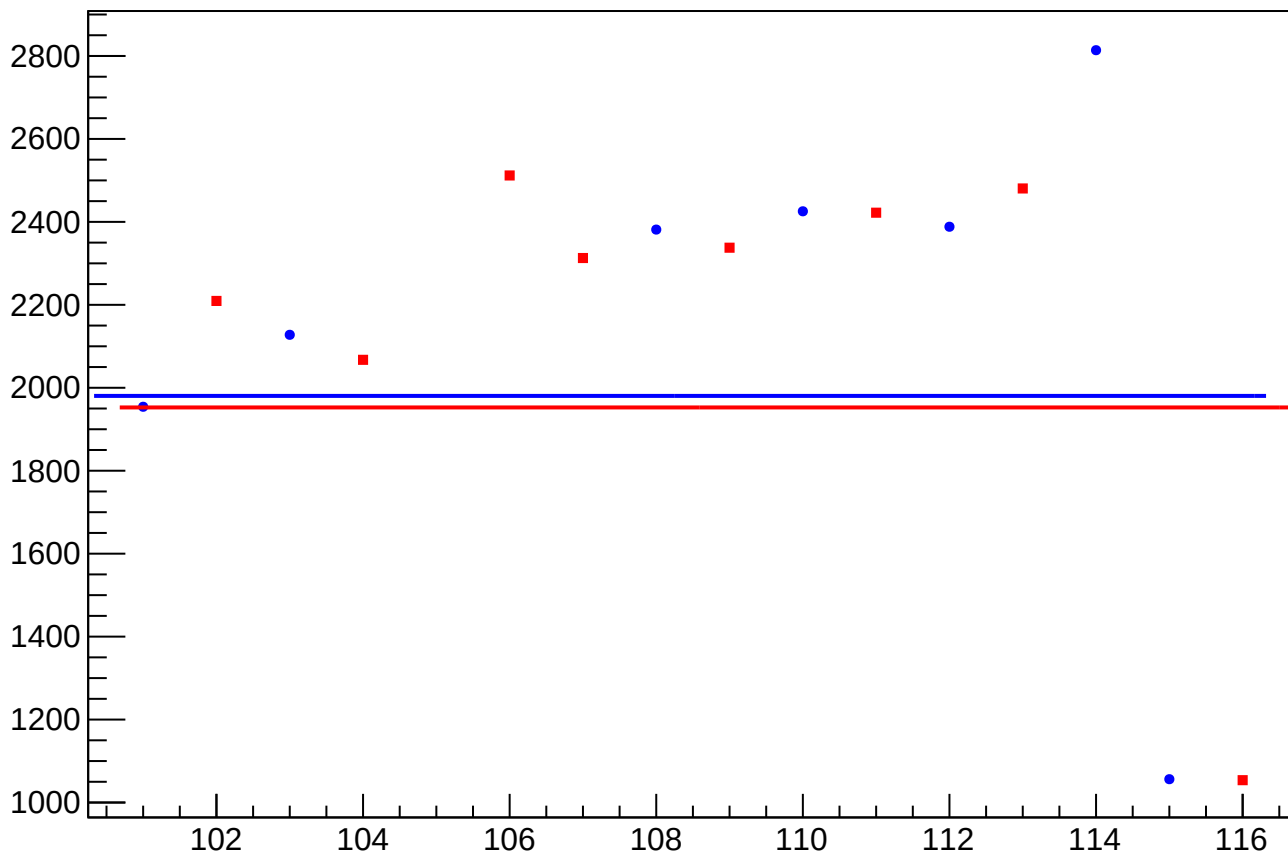
Right: 713.496+/-835.366  $\chi^2/\text{NDF}$ : 11.8/14

In: -370.027+/-1264.448  $\chi^2/\text{NDF}$ : 5.3/6

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

All: 713.496+/-835.366  $\chi^2/\text{NDF}$ : 11.8/14

asym\_sam\_26\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1980.407+/-0.894  $\chi^2/\text{NDF}$ : 307106.4/6

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

Right Out: 1952.582+/-0.787  $\chi^2/\text{NDF}$ : 529818.6/7

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

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

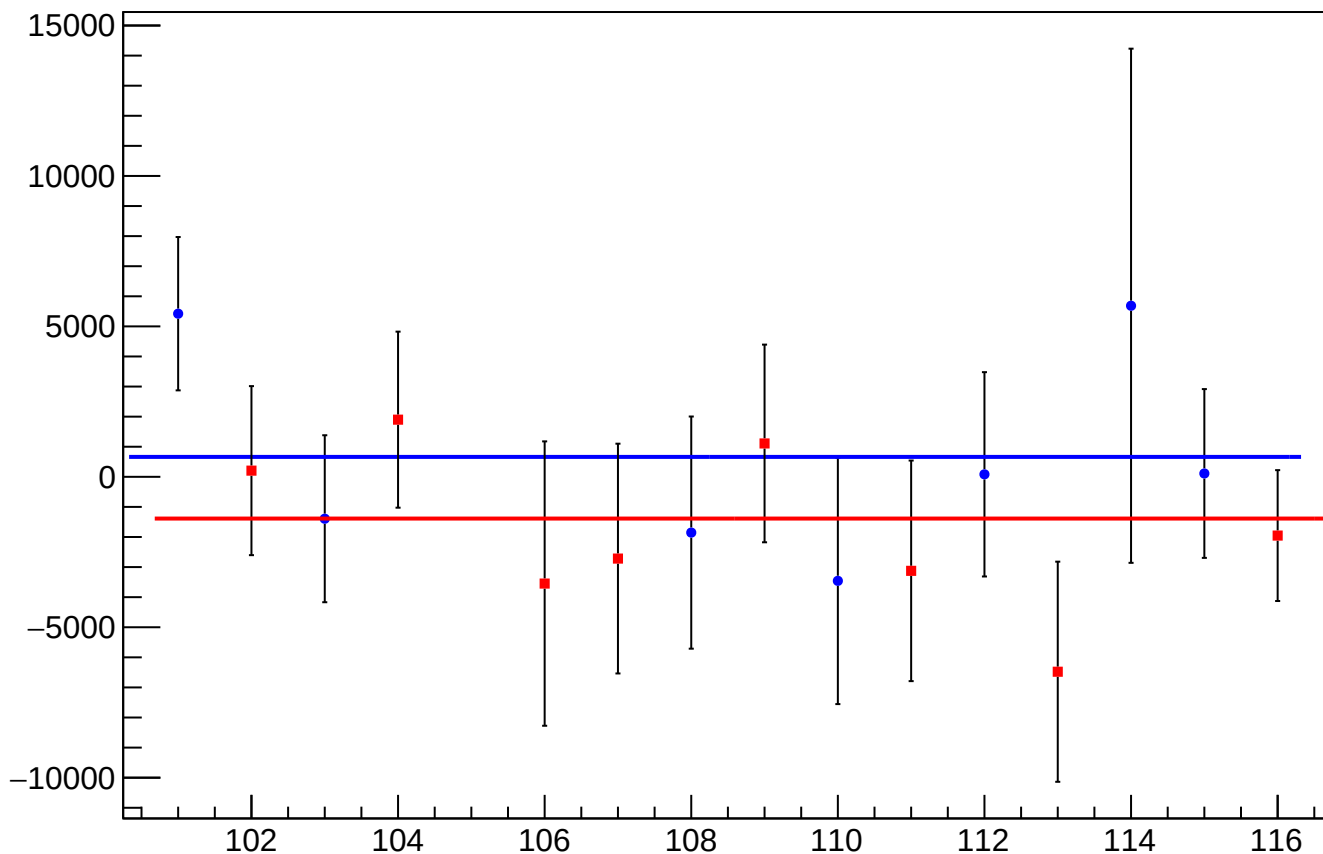
Right: 1964.727+/-0.591  $\chi^2/\text{NDF}$ : 837470.8/14

In: 1980.407+/-0.894  $\chi^2/\text{NDF}$ : 307106.4/6

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

All: 1964.727+/-0.591  $\chi^2/\text{NDF}$ : 837470.8/14

asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In: 662.100+/-1251.817  $\chi^2/\text{NDF}$ : 5.9/6

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

Right Out: -1387.344+/-1111.015  $\chi^2/\text{NDF}$ : 4.7/7

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

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

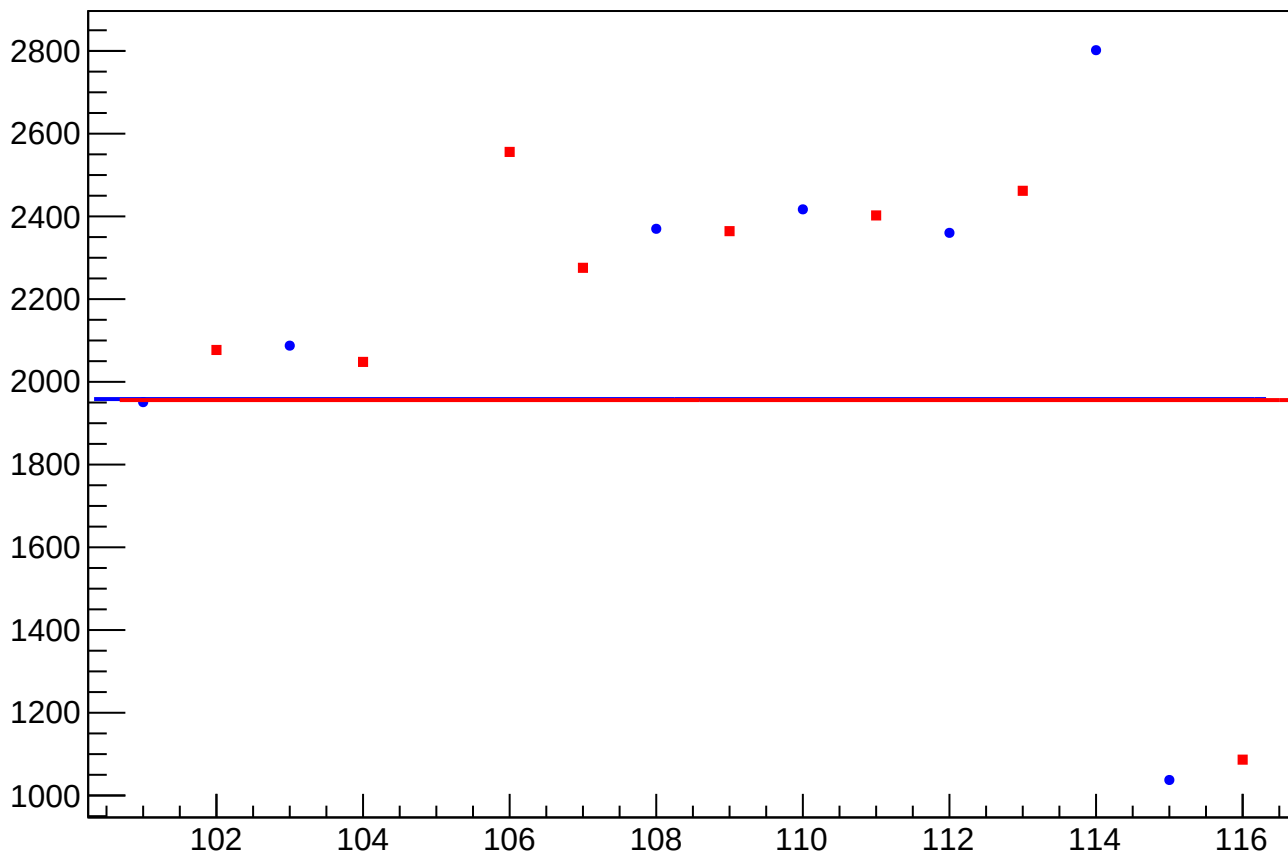
Right: -484.318+/-830.947  $\chi^2/\text{NDF}$ : 12.1/14

In: 662.100+/-1251.817  $\chi^2/\text{NDF}$ : 5.9/6

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

All: -484.318+/-830.947  $\chi^2/\text{NDF}$ : 12.1/14

# asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 1958.363+/-0.885  $\chi^2/\text{NDF}$ : 315251.0/6

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

Right Out: 1955.930+/-0.786  $\chi^2/\text{NDF}$ : 470338.2/7

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

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

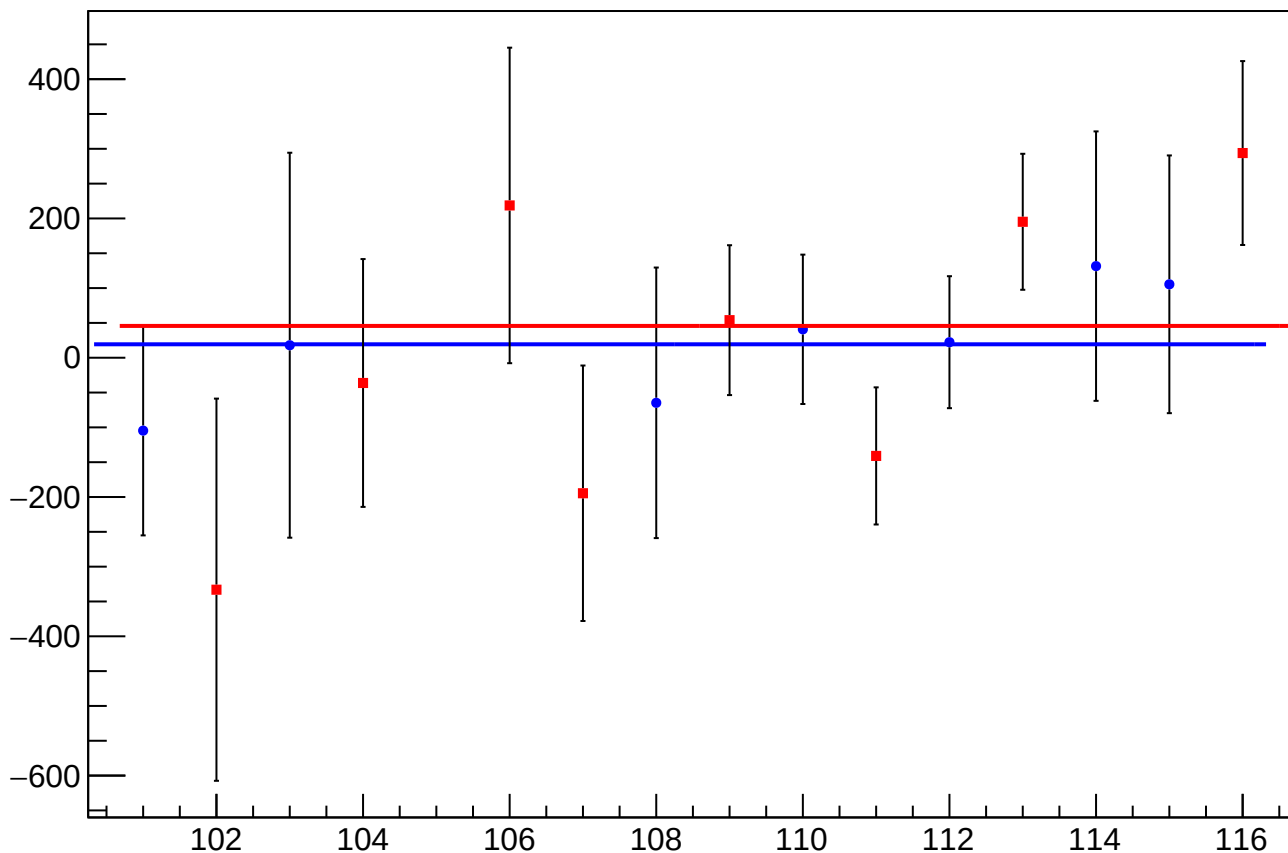
Right: 1957.002+/-0.588  $\chi^2/\text{NDF}$ : 785593.4/14

In: 1958.363+/-0.885  $\chi^2/\text{NDF}$ : 315251.0/6

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

All: 1957.002+/-0.588  $\chi^2/\text{NDF}$ : 785593.4/14

dit\_asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In: 19.294+/-54.389  $\chi^2/\text{NDF}$ : 1.5/6

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

Right Out: 45.674+/-47.356  $\chi^2/\text{NDF}$ : 13.9/7

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

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

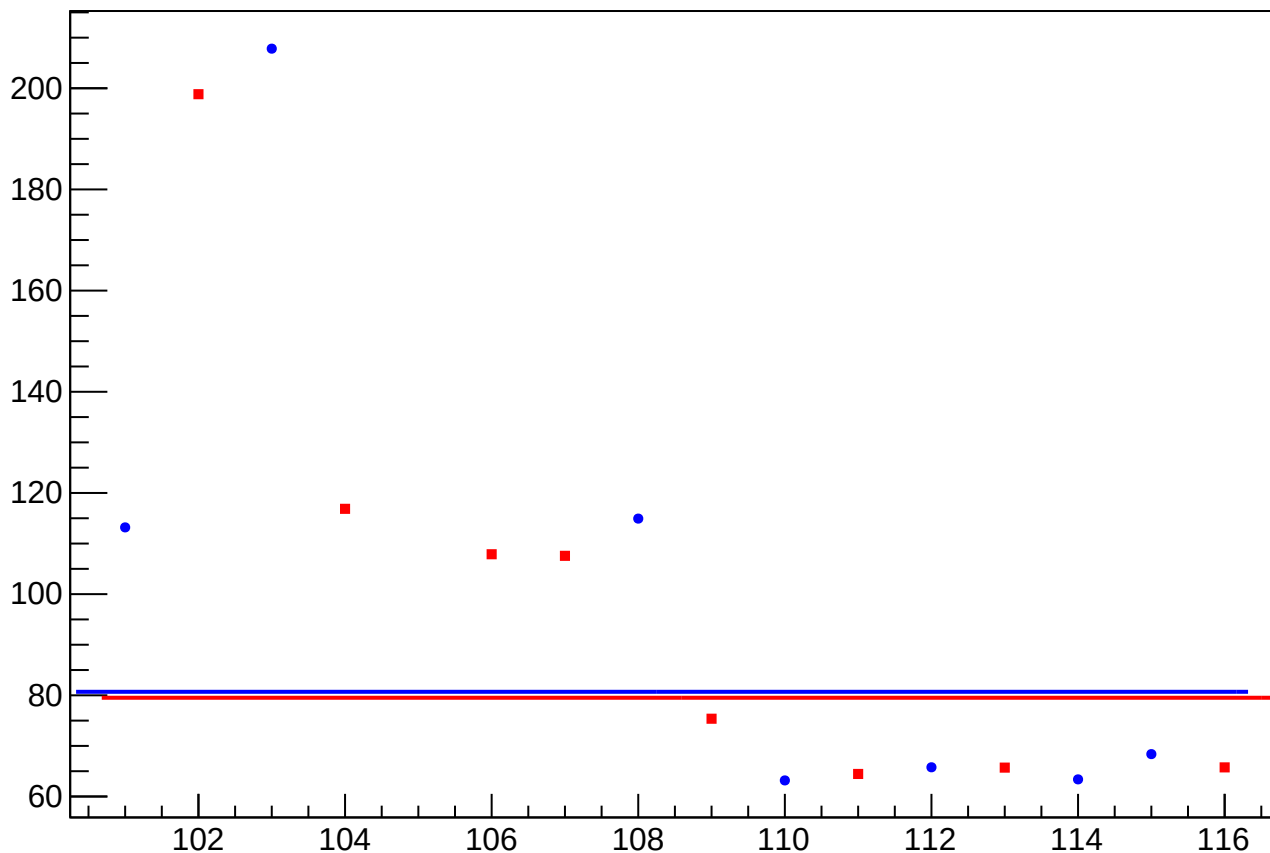
Right: 34.299+/-35.715  $\chi^2/\text{NDF}$ : 15.5/14

In: 19.294+/-54.389  $\chi^2/\text{NDF}$ : 1.5/6

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

All: 34.299+/-35.715  $\chi^2/\text{NDF}$ : 15.5/14

dit\_asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 80.696+/-0.038  $\chi^2/\text{NDF}$ : 706450.4/6

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

Right Out: 79.519+/-0.033  $\chi^2/\text{NDF}$ : 655907.9/7

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

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

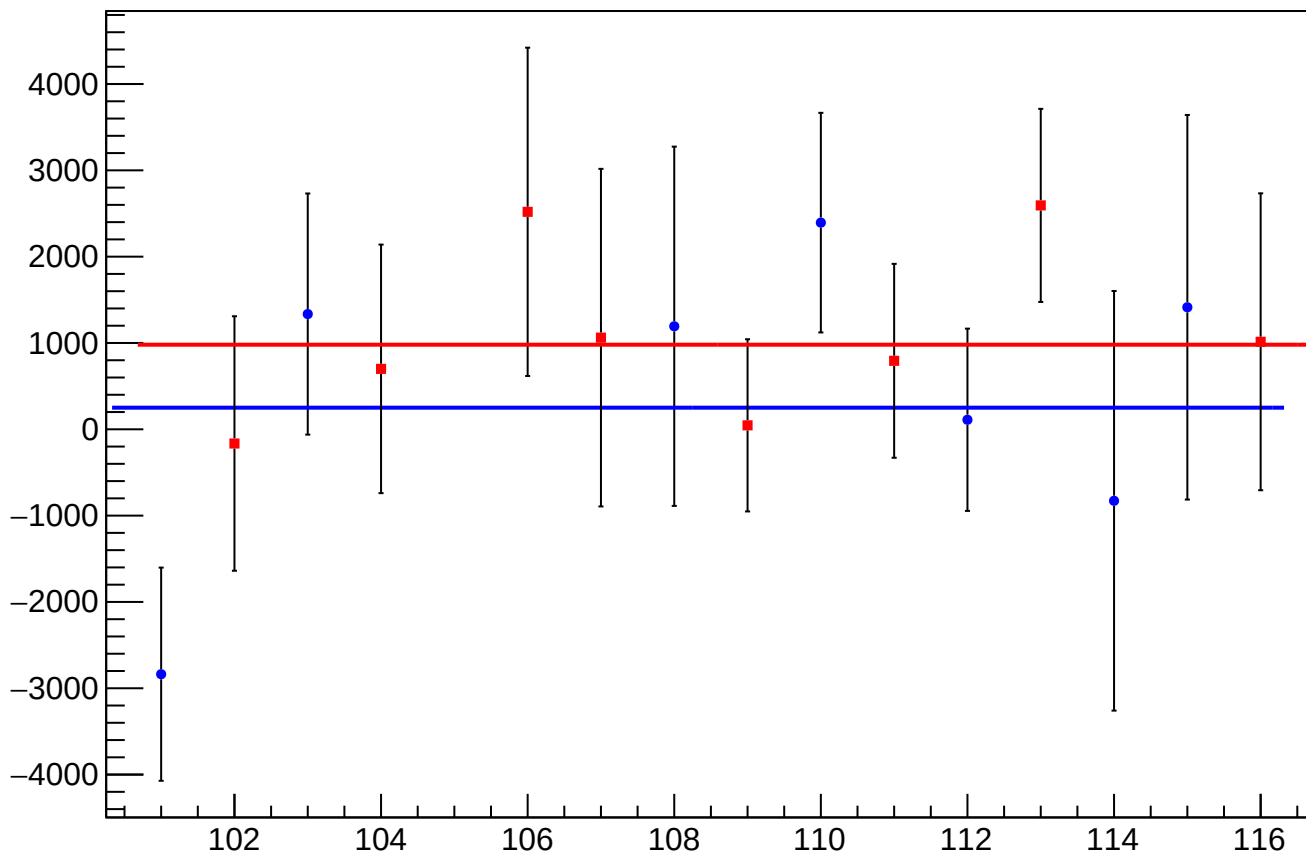
Right: 80.027+/-0.025  $\chi^2/\text{NDF}$ : 1362890.7/14

In: 80.696+/-0.038  $\chi^2/\text{NDF}$ : 706450.4/6

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

All: 80.027+/-0.025  $\chi^2/\text{NDF}$ : 1362890.7/14

asym\_sam\_37\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 250.496+/-551.743  $\chi^2/\text{NDF}$ : 10.4/6

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

Right Out: 980.041+/-475.884  $\chi^2/\text{NDF}$ : 4.3/7

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

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

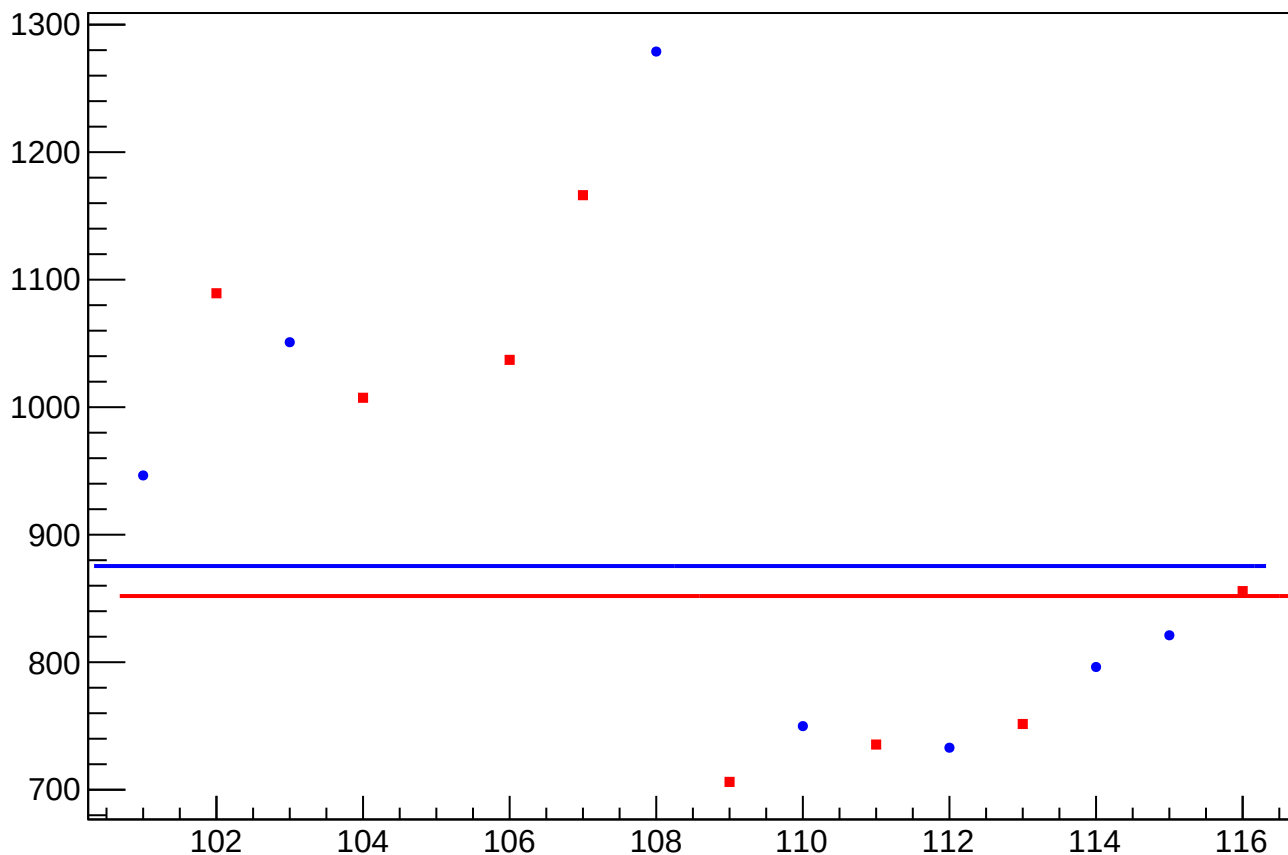
Right: 668.831+/-360.361  $\chi^2/\text{NDF}$ : 15.7/14

In: 250.496+/-551.743  $\chi^2/\text{NDF}$ : 10.4/6

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

All: 668.831+/-360.361  $\chi^2/\text{NDF}$ : 15.7/14

asym\_sam\_37\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 875.423+/-0.390  $\chi^2/\text{NDF}$ : 172596.7/6

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

Right Out: 851.900+/-0.337  $\chi^2/\text{NDF}$ : 226190.1/7

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

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

Right: 861.935+/-0.255  $\chi^2/\text{NDF}$ : 400871.4/14

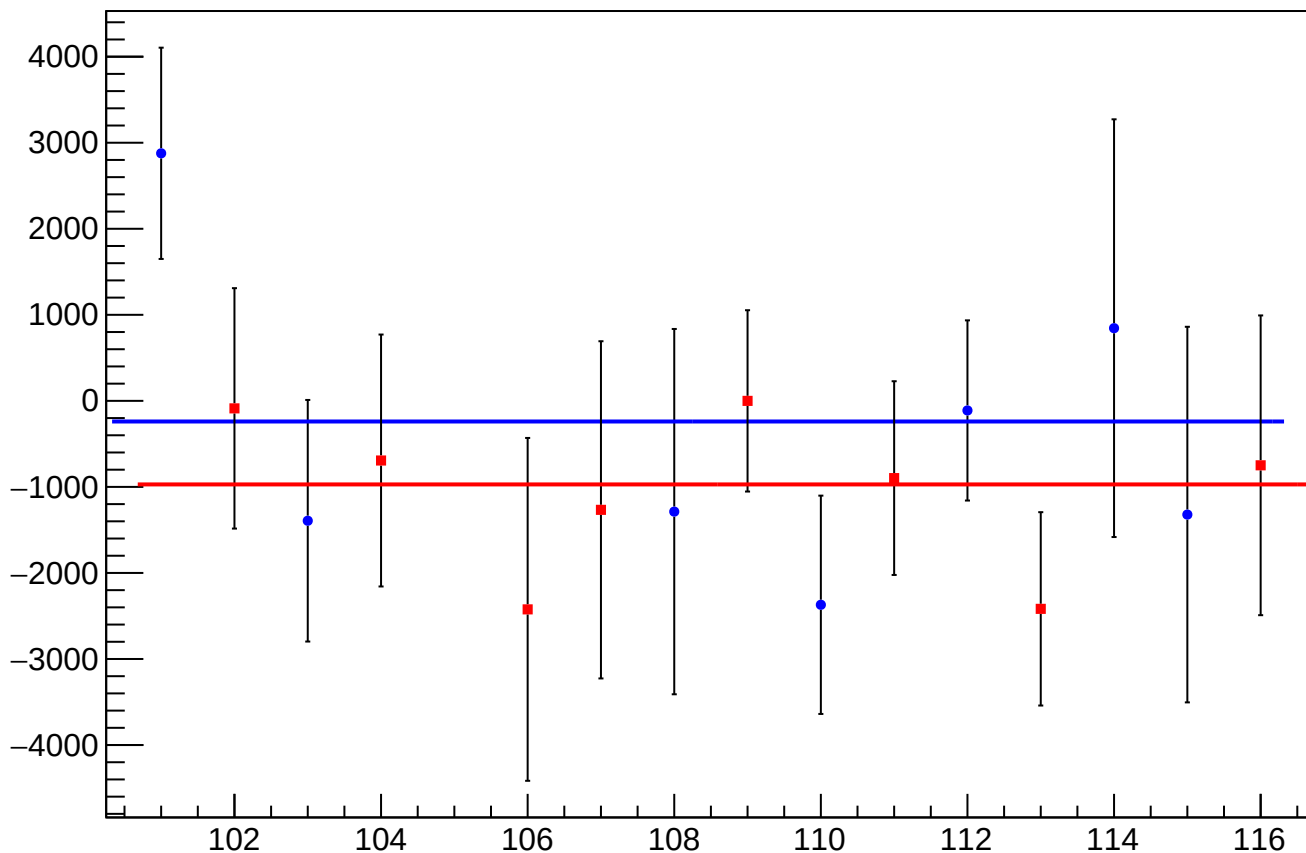
In: 875.423+/-0.390  $\chi^2/\text{NDF}$ : 172596.7/6

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

All: 861.935+/-0.255  $\chi^2/\text{NDF}$ : 400871.4/14



# asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In: -239.773+/-550.009  $\chi^2/\text{NDF}$ : 10.6/6

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

Right Out: -971.190+/-482.095  $\chi^2/\text{NDF}$ : 3.5/7

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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

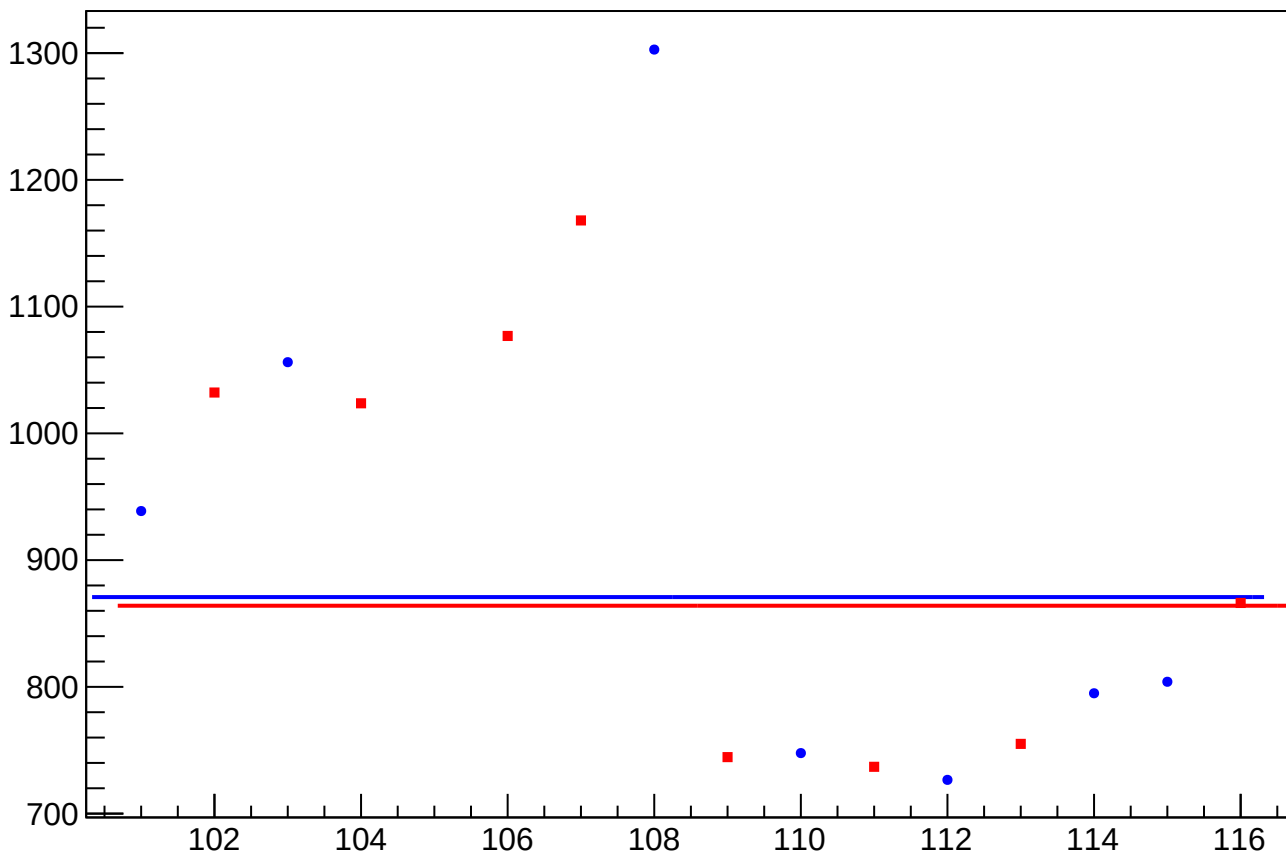
Right: -653.403+/-362.540  $\chi^2/\text{NDF}$ : 15.2/14

In: -239.773+/-550.009  $\chi^2/\text{NDF}$ : 10.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -653.403+/-362.540  $\chi^2/\text{NDF}$ : 15.2/14

# asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 870.835+/-0.389  $\chi^2/\text{NDF}$ : 184360.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 864.018+/-0.341  $\chi^2/\text{NDF}$ : 193747.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

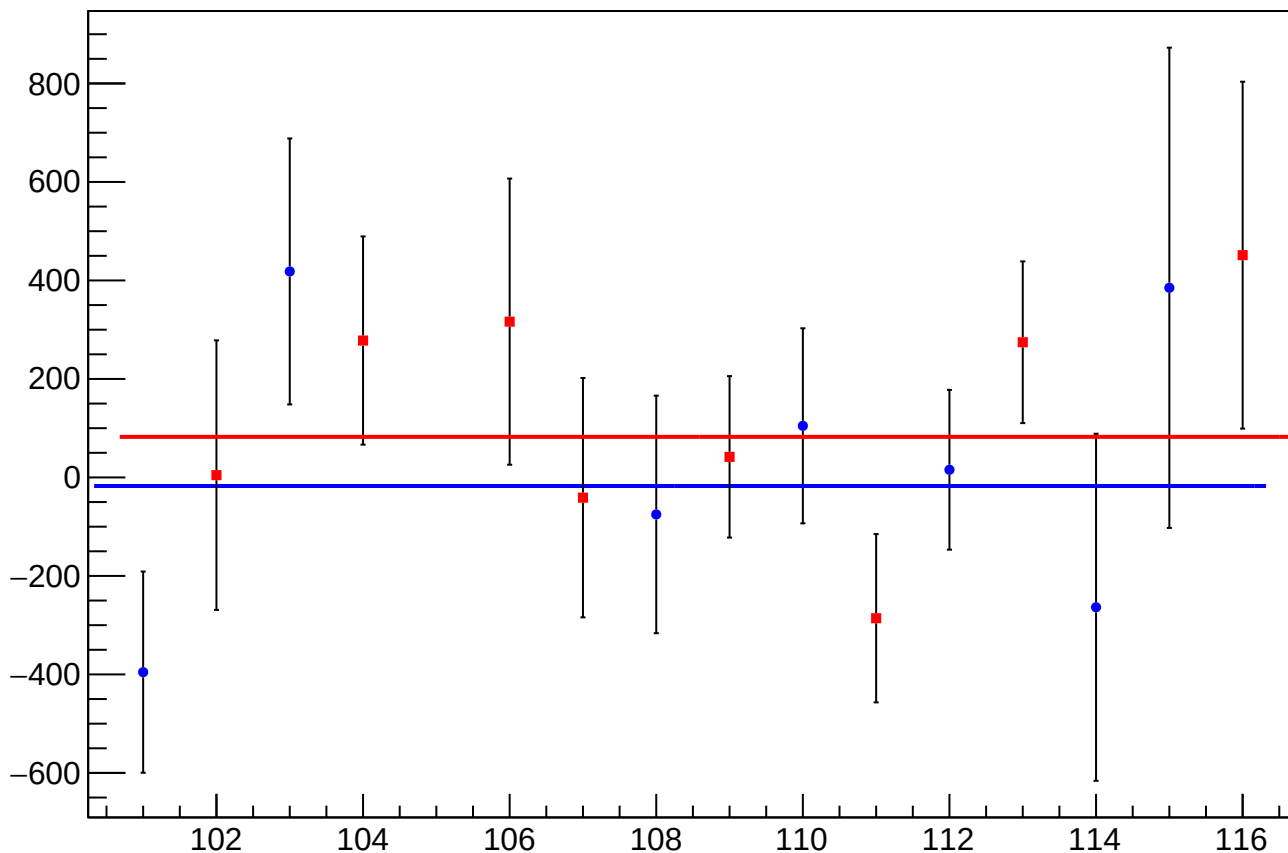
Right: 866.980+/-0.256  $\chi^2/\text{NDF}$ : 378281.9/14

In: 870.835+/-0.389  $\chi^2/\text{NDF}$ : 184360.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 866.980+/-0.256  $\chi^2/\text{NDF}$ : 378281.9/14

dit\_asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In: -17.393+/-87.500  $\chi^2/\text{NDF}$ : 7.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 82.368+/-74.300  $\chi^2/\text{NDF}$ : 9.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

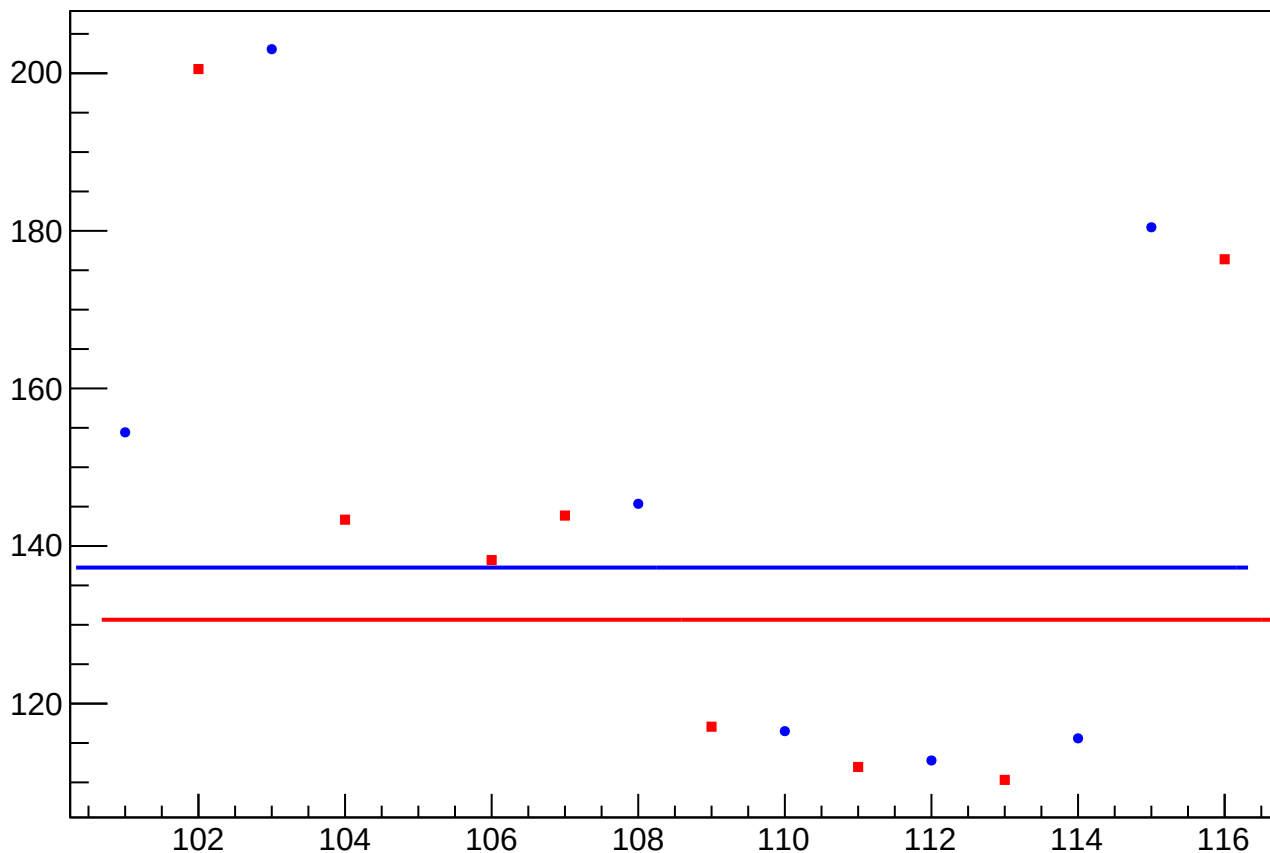
Right: 40.573+/-56.636  $\chi^2/\text{NDF}$ : 17.4/14

In: -17.393+/-87.500  $\chi^2/\text{NDF}$ : 7.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 40.573+/-56.636  $\chi^2/\text{NDF}$ : 17.4/14

dit\_asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 137.265+/-0.062  $\chi^2/\text{NDF}$ : 225865.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 130.645+/-0.053  $\chi^2/\text{NDF}$ : 246993.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

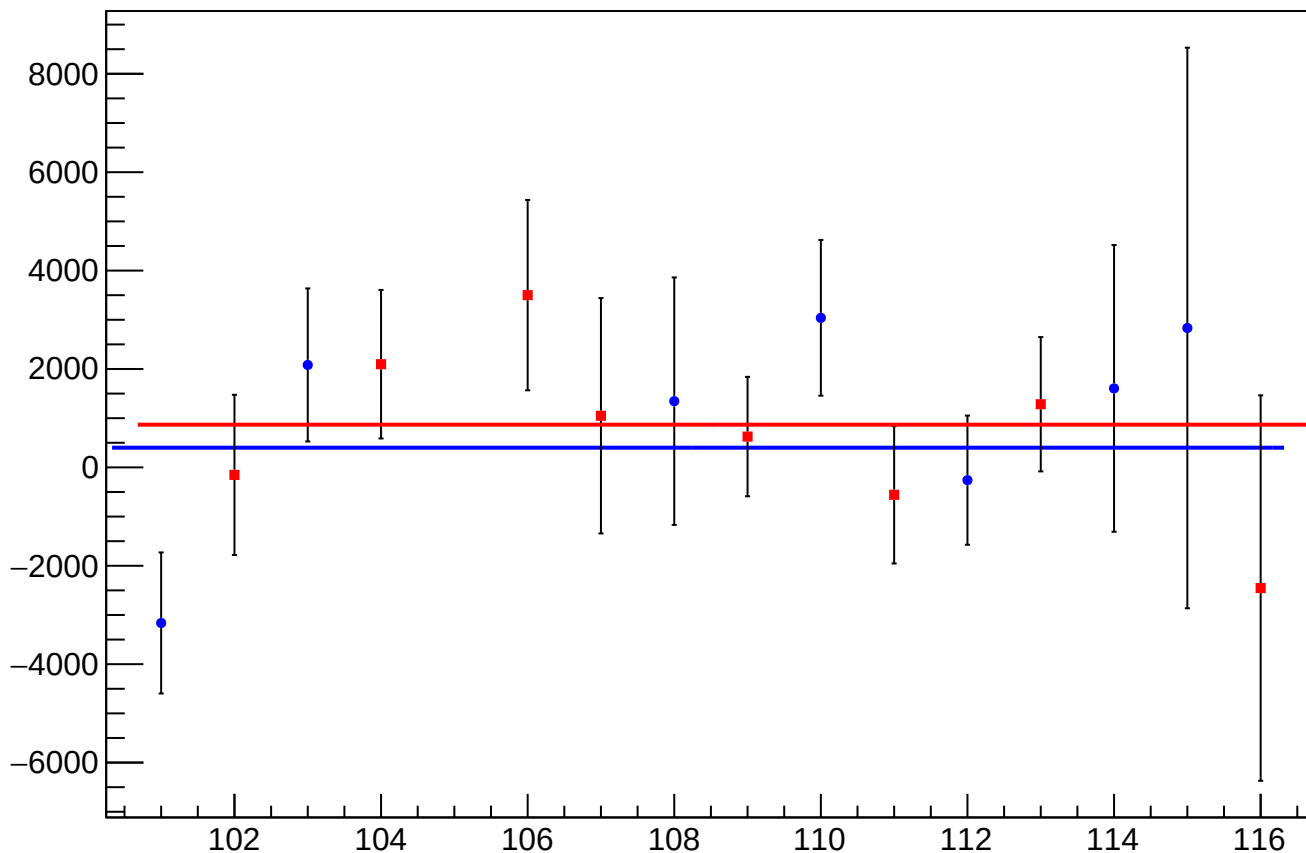
Right: 133.418+/-0.040  $\chi^2/\text{NDF}$ : 479510.2/14

In: 137.265+/-0.062  $\chi^2/\text{NDF}$ :225865.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 133.418+/-0.040  $\chi^2/\text{NDF}$ : 479510.2/14

asym\_sam\_48\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 400.408+/-676.384  $\chi^2/\text{NDF}$ : 10.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 868.254+/-572.467  $\chi^2/\text{NDF}$ : 4.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

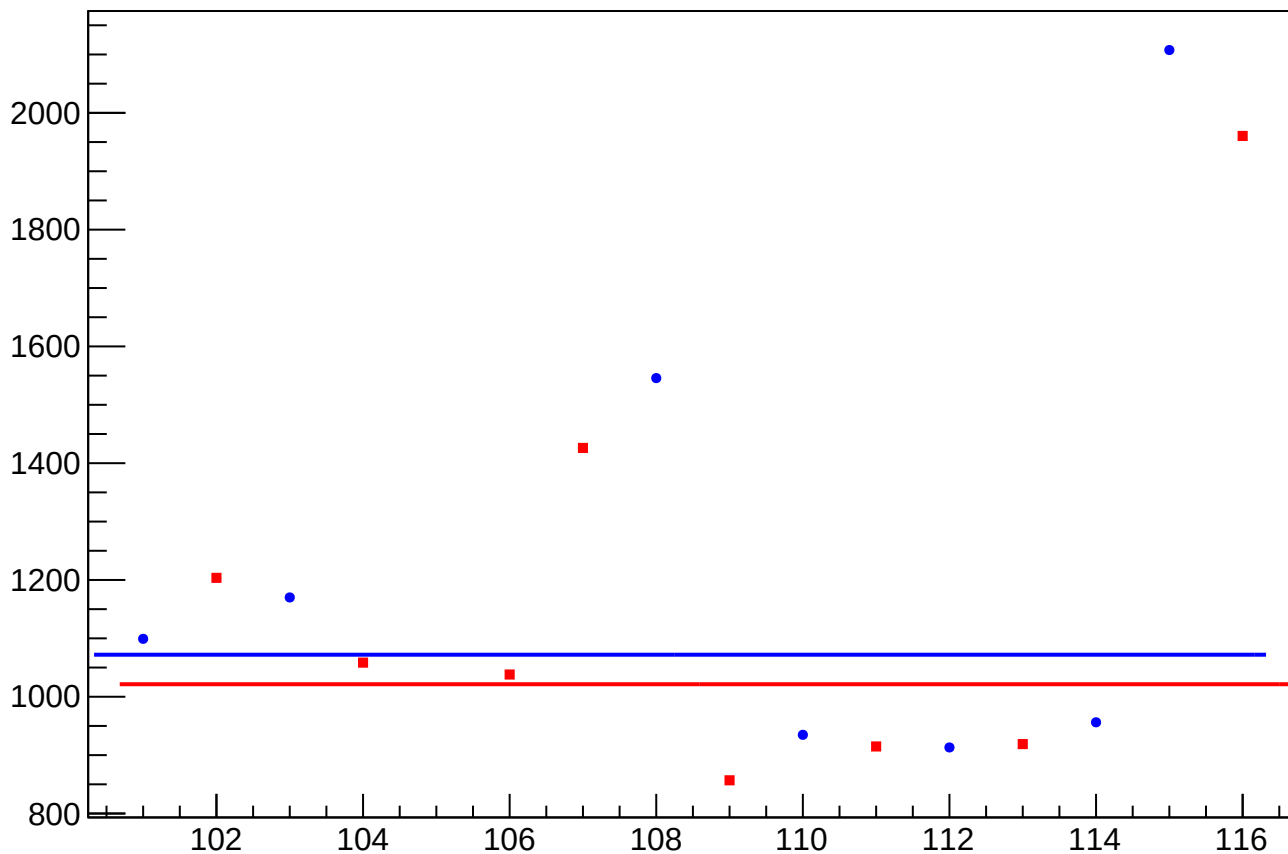
Right: 672.993+/-436.968  $\chi^2/\text{NDF}$ : 16.0/14

In: 400.408+/-676.384  $\chi^2/\text{NDF}$ : 10.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 672.993+/-436.968  $\chi^2/\text{NDF}$ : 16.0/14

asym\_sam\_48\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1071.990+/-0.478  $\chi^2/\text{NDF}$ : 193168.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1021.425+/-0.405  $\chi^2/\text{NDF}$ : 258249.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

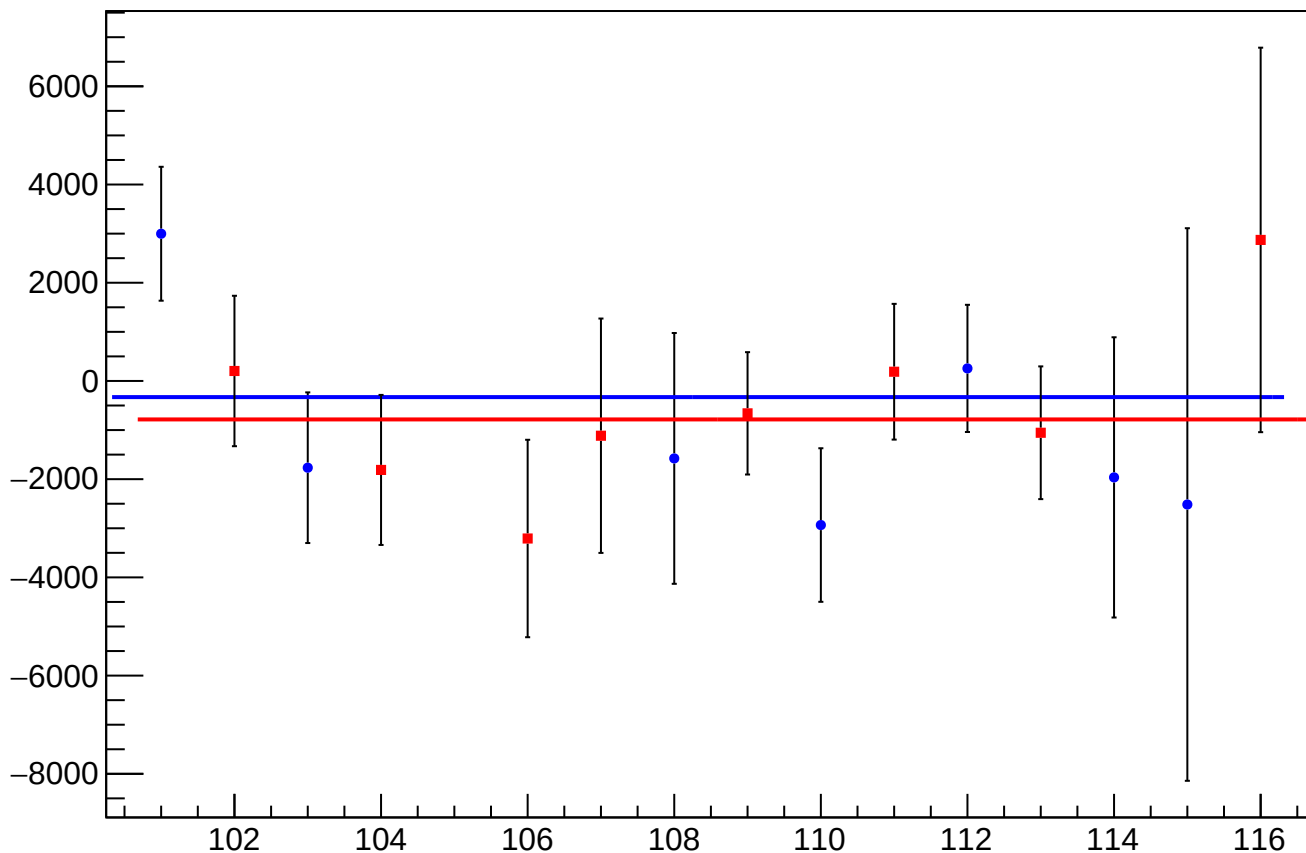
Right: 1042.529+/-0.309  $\chi^2/\text{NDF}$ : 457930.1/14

In: 1071.990+/-0.478  $\chi^2/\text{NDF}$ : 193168.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1042.529+/-0.309  $\chi^2/\text{NDF}$ : 457930.1/14

asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In: -328.826+/-662.822  $\chi^2/\text{NDF}$ : 10.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -783.481+/-571.799  $\chi^2/\text{NDF}$ : 3.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

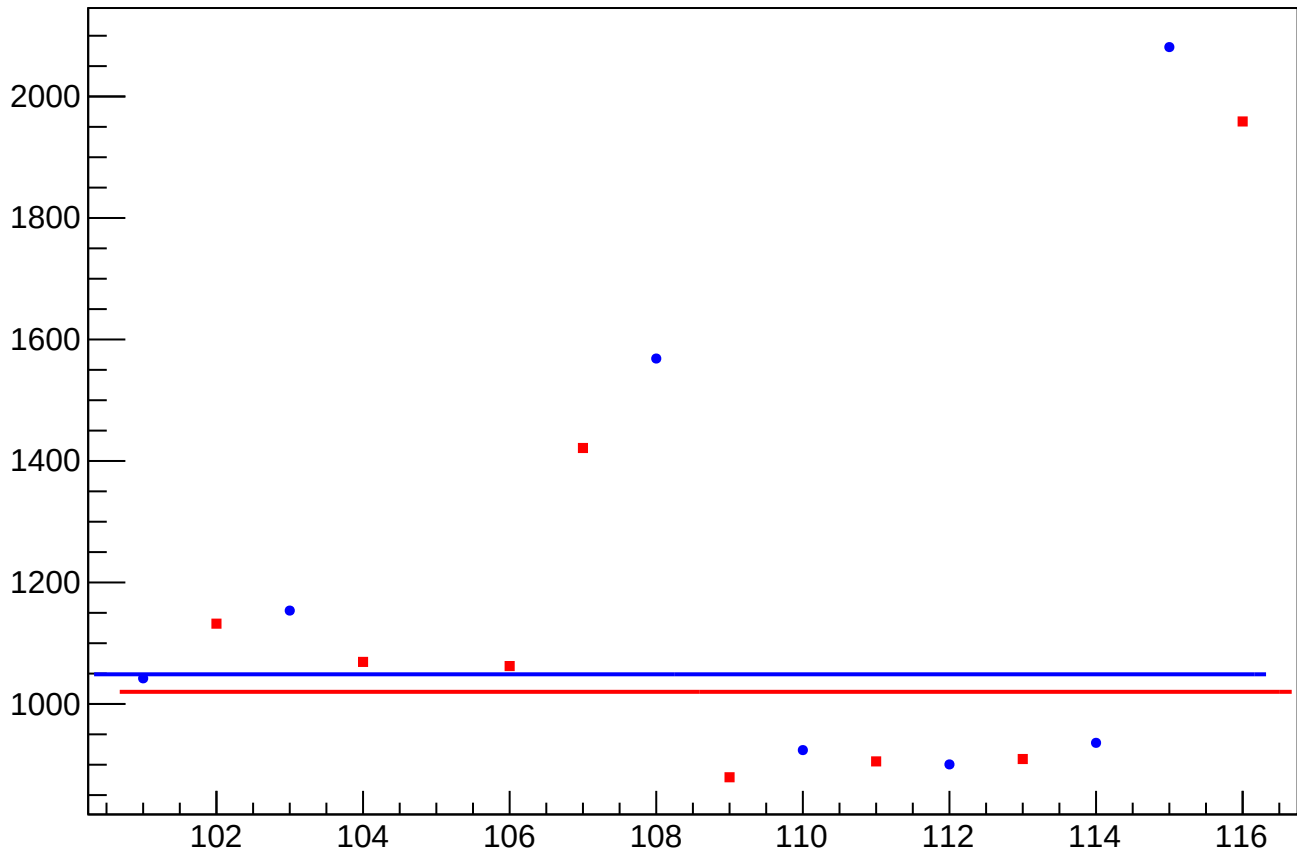
Right: -589.492+/-432.957  $\chi^2/\text{NDF}$ : 14.6/14

In: -328.826+/-662.822  $\chi^2/\text{NDF}$ : 10.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -589.492+/-432.957  $\chi^2/\text{NDF}$ : 14.6/14

# asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 1048.837+/-0.469  $\chi^2/\text{NDF}$ : 201729.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1019.996+/-0.404  $\chi^2/\text{NDF}$ : 237950.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 1032.302+/-0.306  $\chi^2/\text{NDF}$ : 441851.0/14

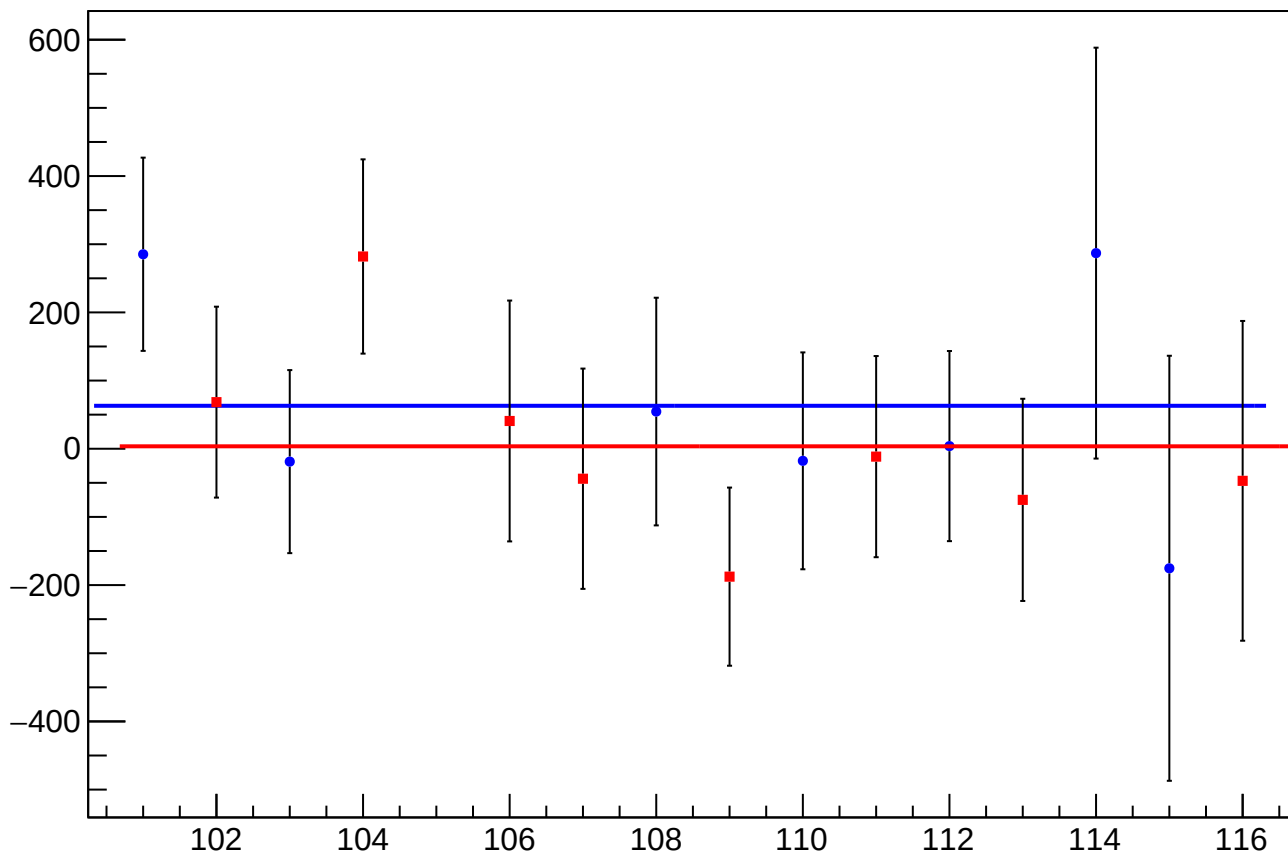
In: 1048.837+/-0.469  $\chi^2/\text{NDF}$ : 201729.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1032.302+/-0.306  $\chi^2/\text{NDF}$ : 441851.0/14



dit\_asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In: 63.009+/-62.824  $\chi^2/\text{NDF}$ : 4.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 3.566+/-54.332  $\chi^2/\text{NDF}$ : 6.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

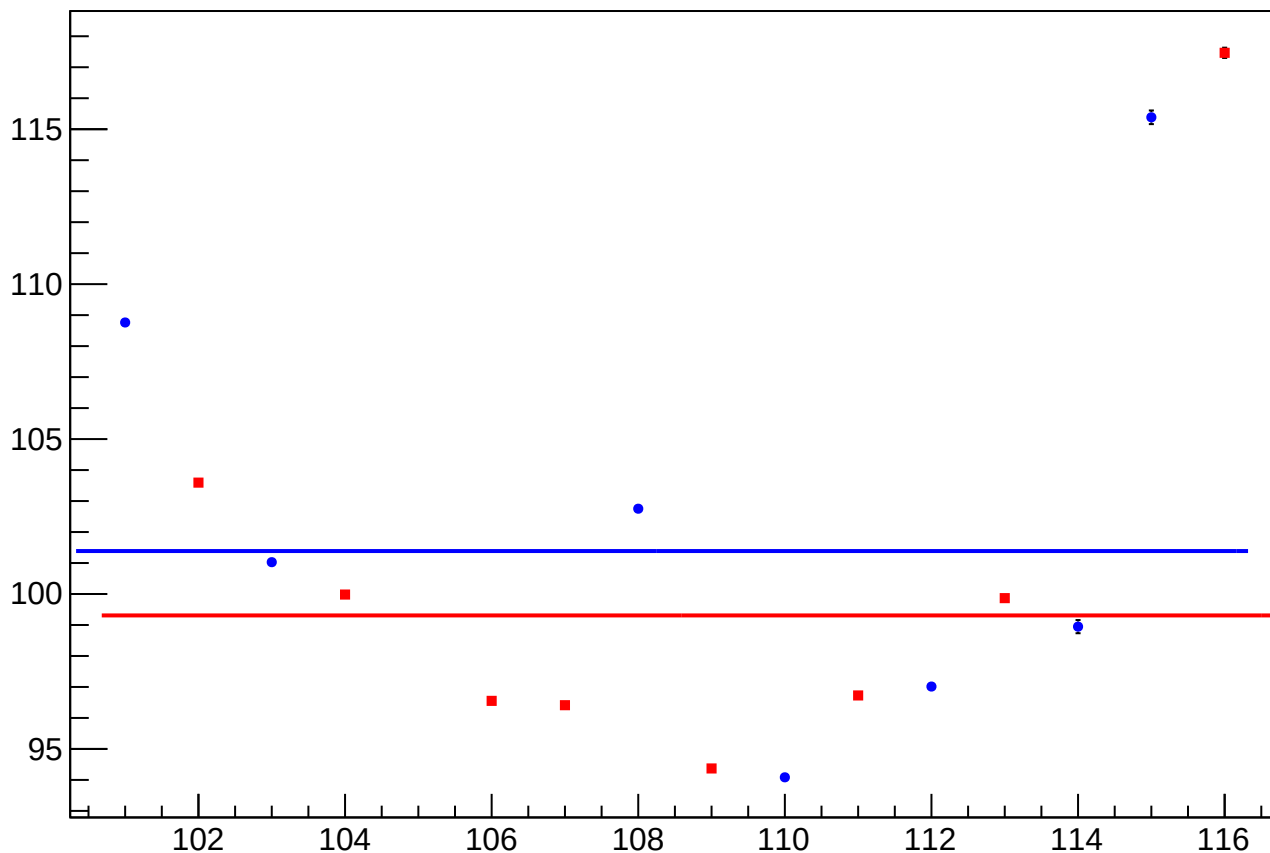
Right: 29.001+/-41.095  $\chi^2/\text{NDF}$ : 11.6/14

In: 63.009+/-62.824  $\chi^2/\text{NDF}$ :4.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 29.001+/-41.095  $\chi^2/\text{NDF}$ : 11.6/14

dit\_asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 101.386+/-0.044  $\chi^2/\text{NDF}$ : 15910.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 99.309+/-0.038  $\chi^2/\text{NDF}$ : 18533.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

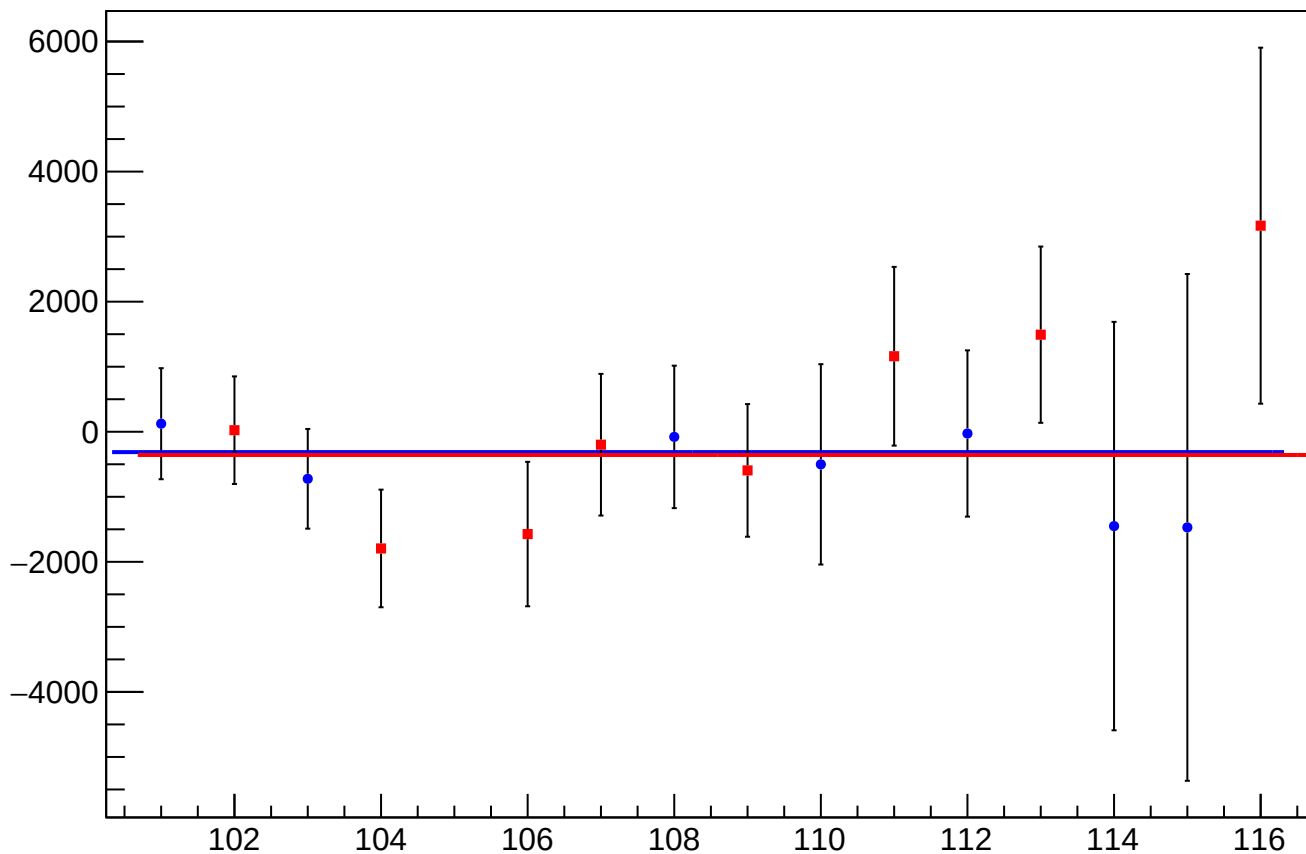
Right: 100.198+/-0.029  $\chi^2/\text{NDF}$ : 35695.3/14

In: 101.386+/-0.044  $\chi^2/\text{NDF}$ :15910.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 100.198+/-0.029  $\chi^2/\text{NDF}$ : 35695.3/14

asym\_sam\_15\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -313.008+/-442.441  $\chi^2/\text{NDF}$ : 0.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -357.128+/-392.005  $\chi^2/\text{NDF}$ : 8.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

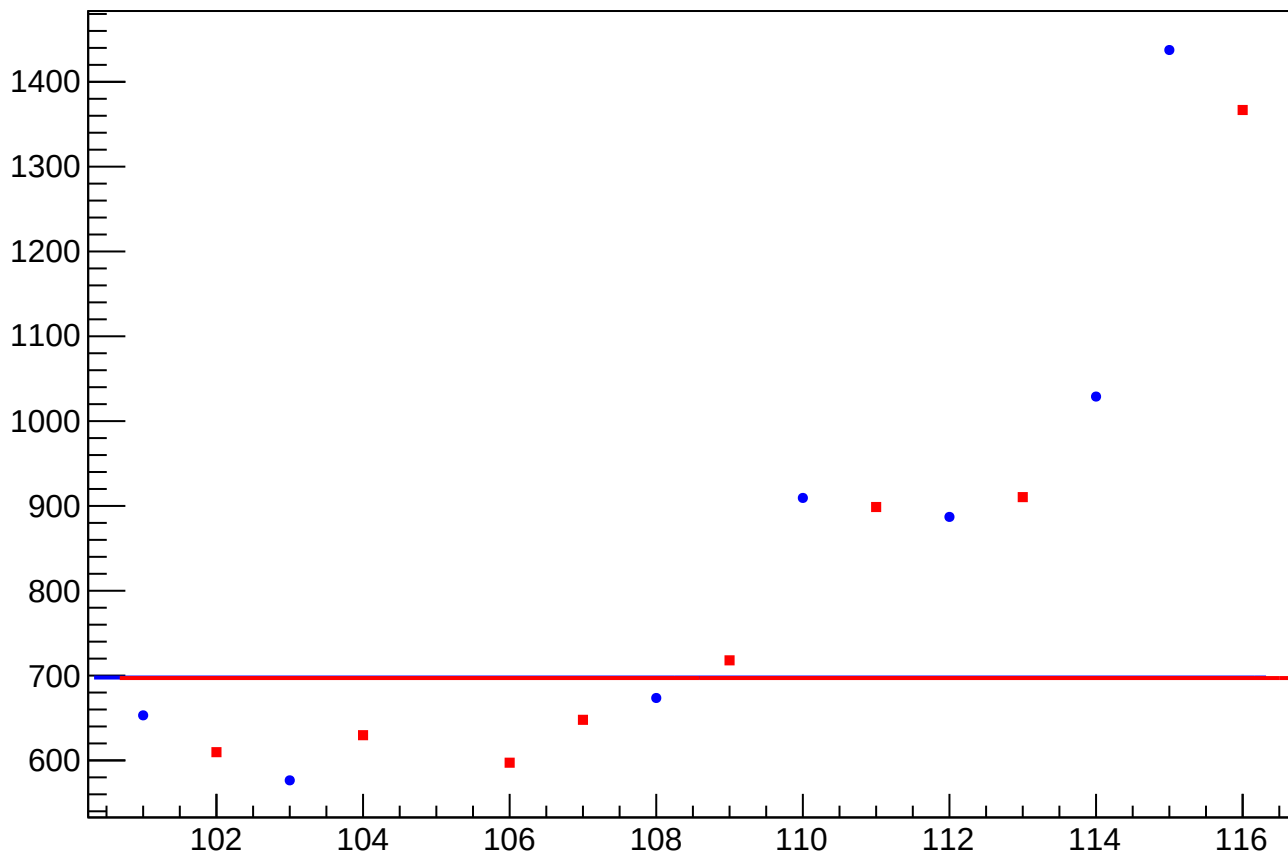
Right: -337.725+/-293.408  $\chi^2/\text{NDF}$ : 9.6/14

In: -313.008+/-442.441  $\chi^2/\text{NDF}$ : 0.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -337.725+/-293.408  $\chi^2/\text{NDF}$ : 9.6/14

asym\_sam\_15\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 697.694+/-0.313  $\chi^2/\text{NDF}$ : 232508.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 697.080+/-0.277  $\chi^2/\text{NDF}$ : 266884.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

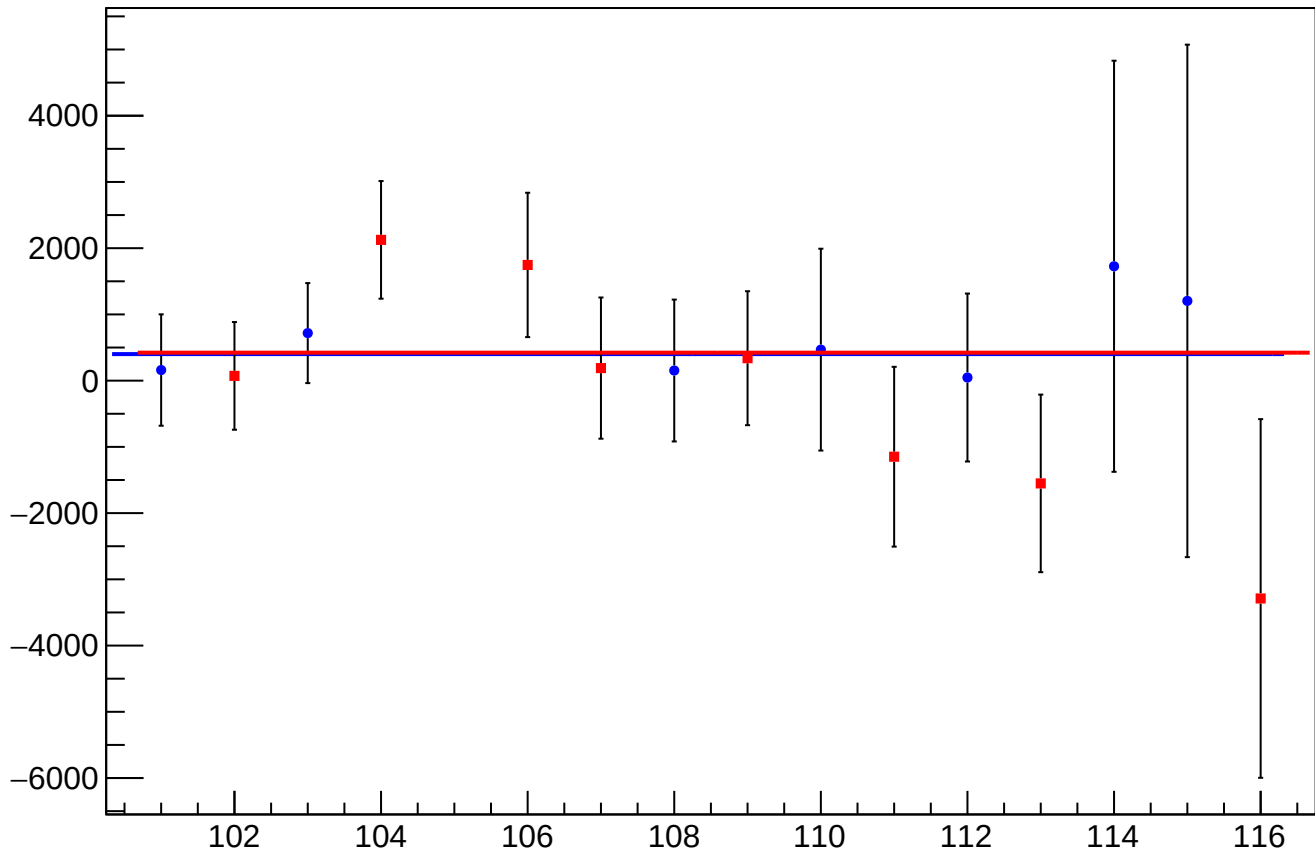
Right: 697.350+/-0.207  $\chi^2/\text{NDF}$ : 499395.3/14

In: 697.694+/-0.313  $\chi^2/\text{NDF}$ : 232508.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 697.350+/-0.207  $\chi^2/\text{NDF}$ : 499395.3/14

# asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In: 400.858+/-435.892  $\chi^2/\text{NDF}$ : 0.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 422.483+/-385.876  $\chi^2/\text{NDF}$ : 10.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

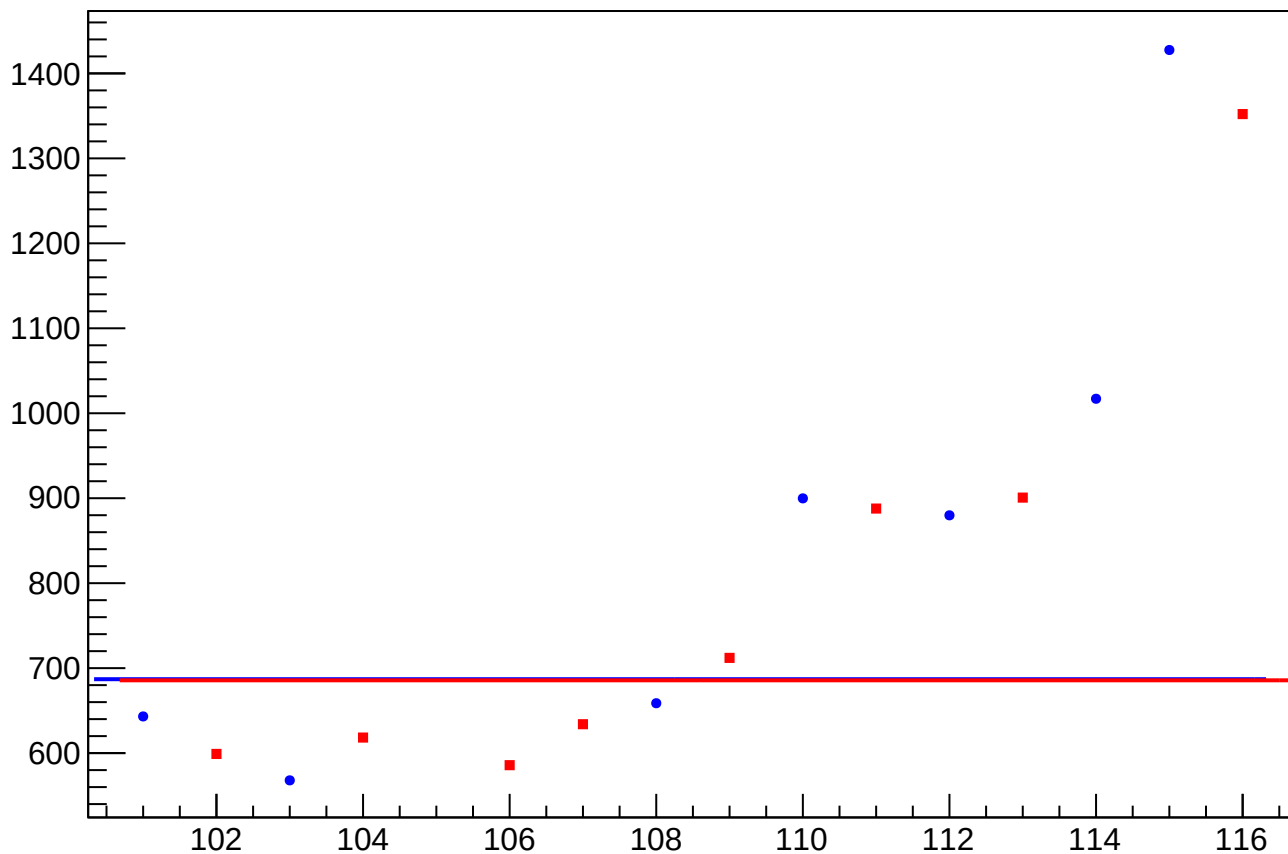
Right: 412.982+/-288.928  $\chi^2/\text{NDF}$ : 11.4/14

In: 400.858+/-435.892  $\chi^2/\text{NDF}$ : 0.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 412.982+/-288.928  $\chi^2/\text{NDF}$ : 11.4/14

# asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 686.987+/-0.308  $\chi^2/\text{NDF}$ : 237747.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 685.677+/-0.273  $\chi^2/\text{NDF}$ : 274084.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

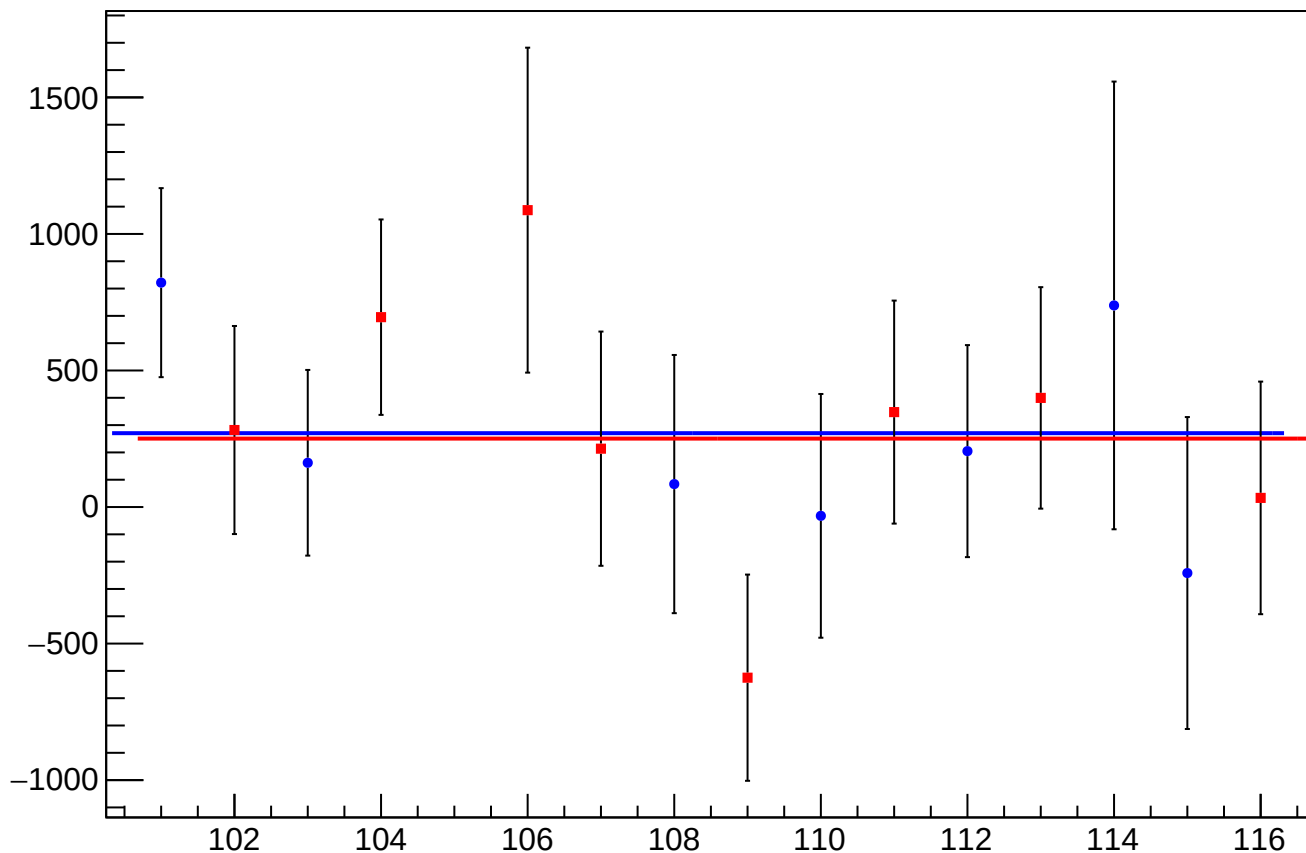
Right: 686.253+/-0.204  $\chi^2/\text{NDF}$ : 511842.1/14

In: 686.987+/-0.308  $\chi^2/\text{NDF}$ : 237747.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 686.253+/-0.204  $\chi^2/\text{NDF}$ : 511842.1/14

dit\_asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 270.457 $\pm$ 162.897  $\chi^2$ /NDF: 4.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 250.625 $\pm$ 144.989  $\chi^2$ /NDF: 9.4/7

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

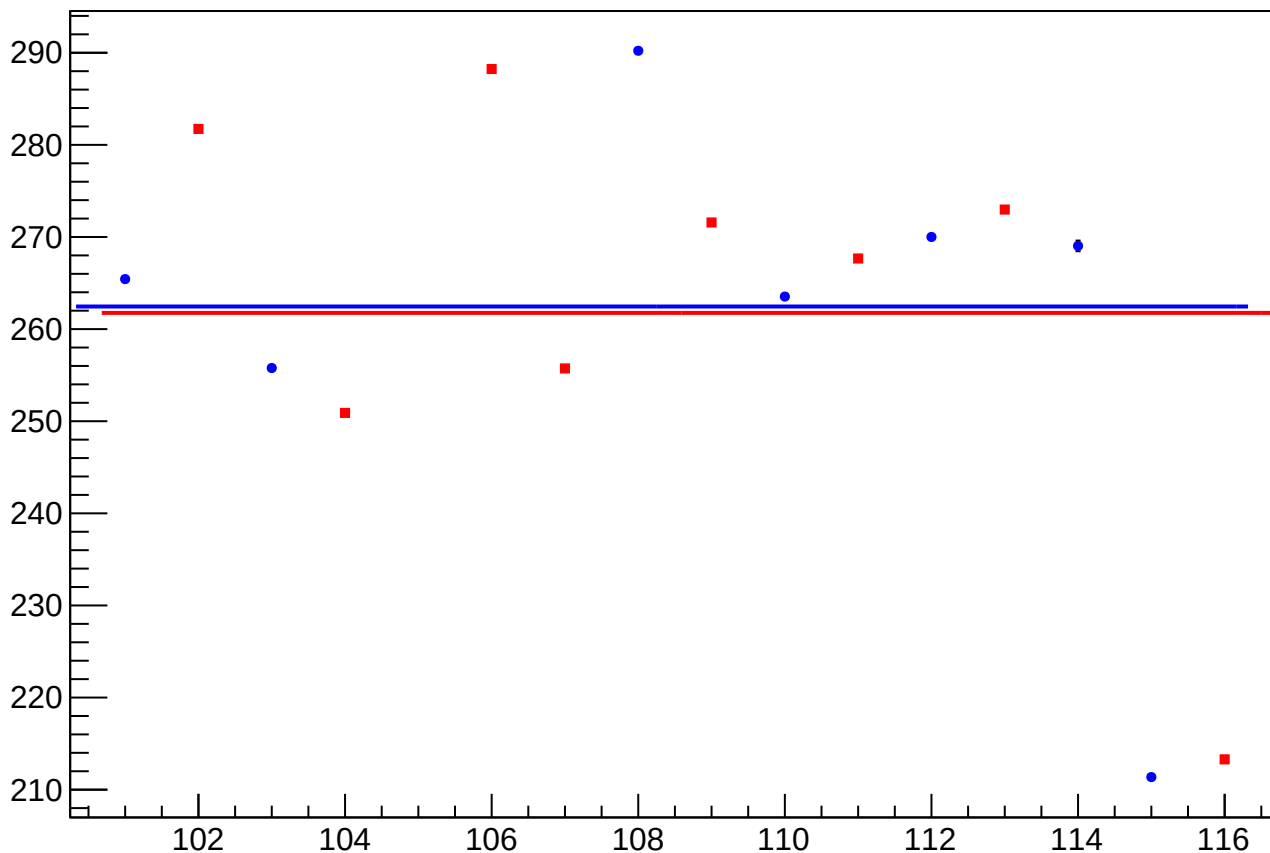
Right: 259.392 $\pm$ 108.303  $\chi^2$ /NDF: 13.8/14

In: 270.457 $\pm$ 162.897  $\chi^2$ /NDF:4.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 259.392 $\pm$ 108.303  $\chi^2$ /NDF: 13.8/14

dit\_asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 262.453+/-0.115  $\chi^2/\text{NDF}$ : 24716.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 261.761+/-0.103  $\chi^2/\text{NDF}$ : 40901.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 262.067+/-0.077  $\chi^2/\text{NDF}$ : 65638.2/14

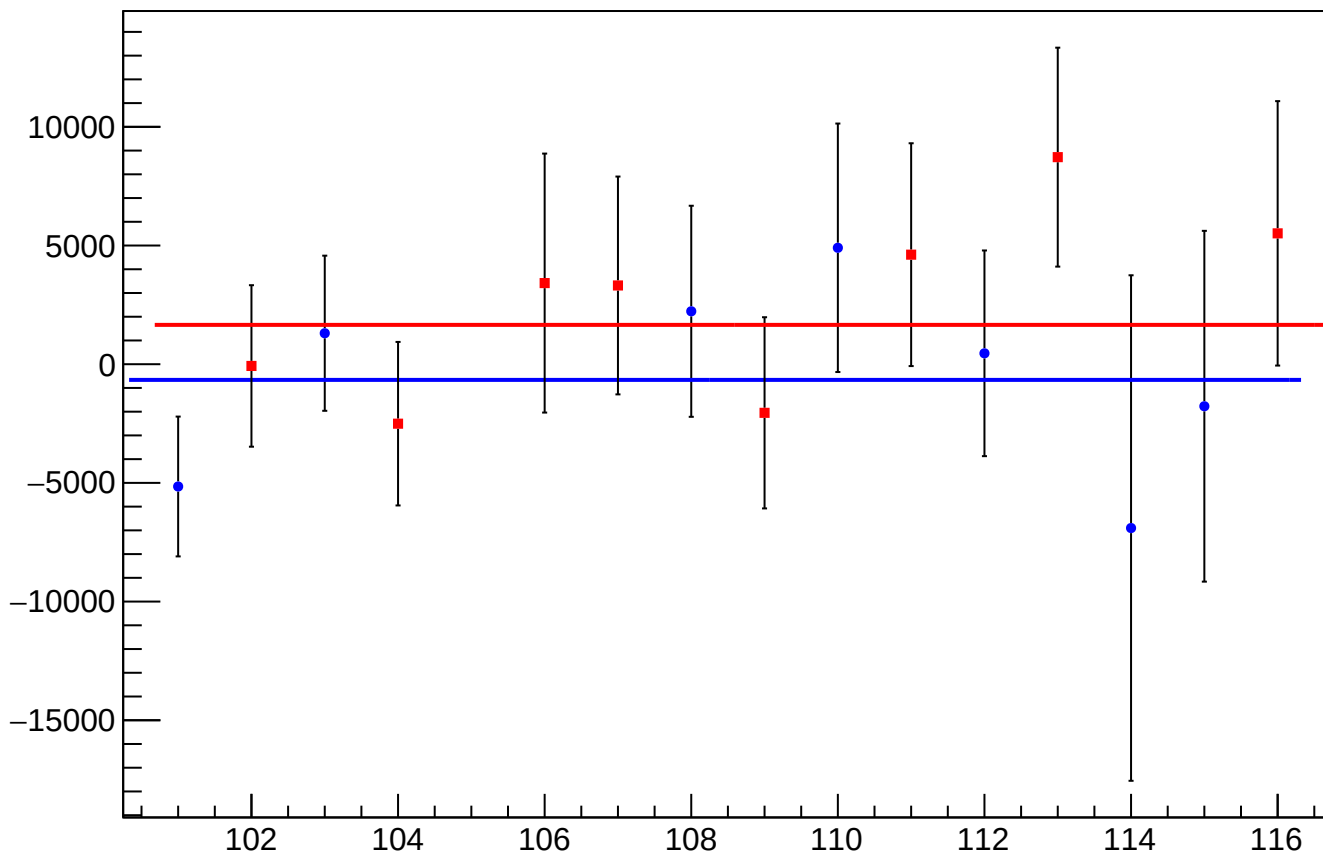
In: 262.453+/-0.115  $\chi^2/\text{NDF}$ : 24716.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 262.067+/-0.077  $\chi^2/\text{NDF}$ : 65638.2/14



asym\_sam\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -660.995+/-1629.929  $\chi^2/\text{NDF}$ : 4.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 1656.886+/-1510.899  $\chi^2/\text{NDF}$ : 6.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

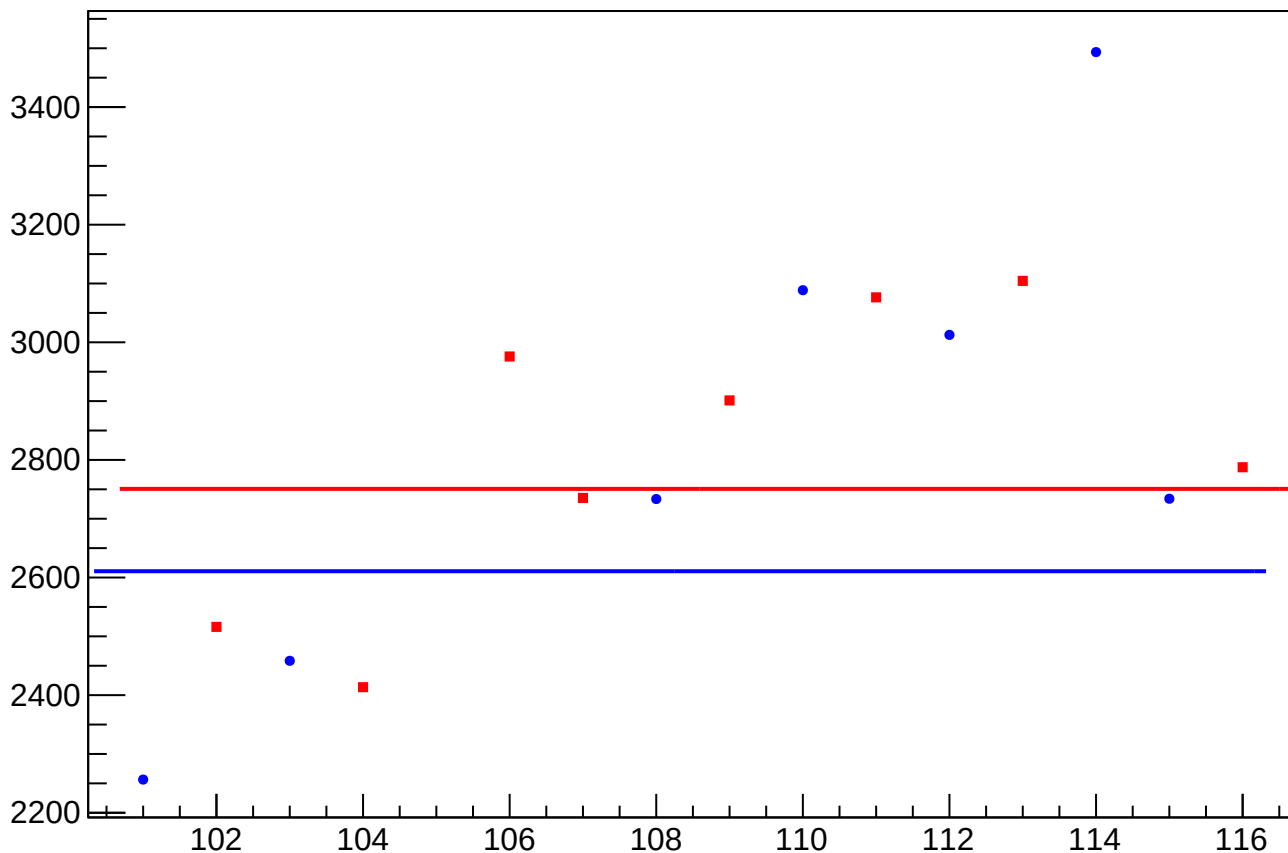
Right: 585.661+/-1108.060  $\chi^2/\text{NDF}$ : 11.8/14

In: -660.995+/-1629.929  $\chi^2/\text{NDF}$ :4.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 585.661+/-1108.060  $\chi^2/\text{NDF}$ : 11.8/14

asym\_sam\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 2610.730+/-1.153  $\chi^2/\text{NDF}$ : 82992.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2750.770+/-1.068  $\chi^2/\text{NDF}$ : 56378.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

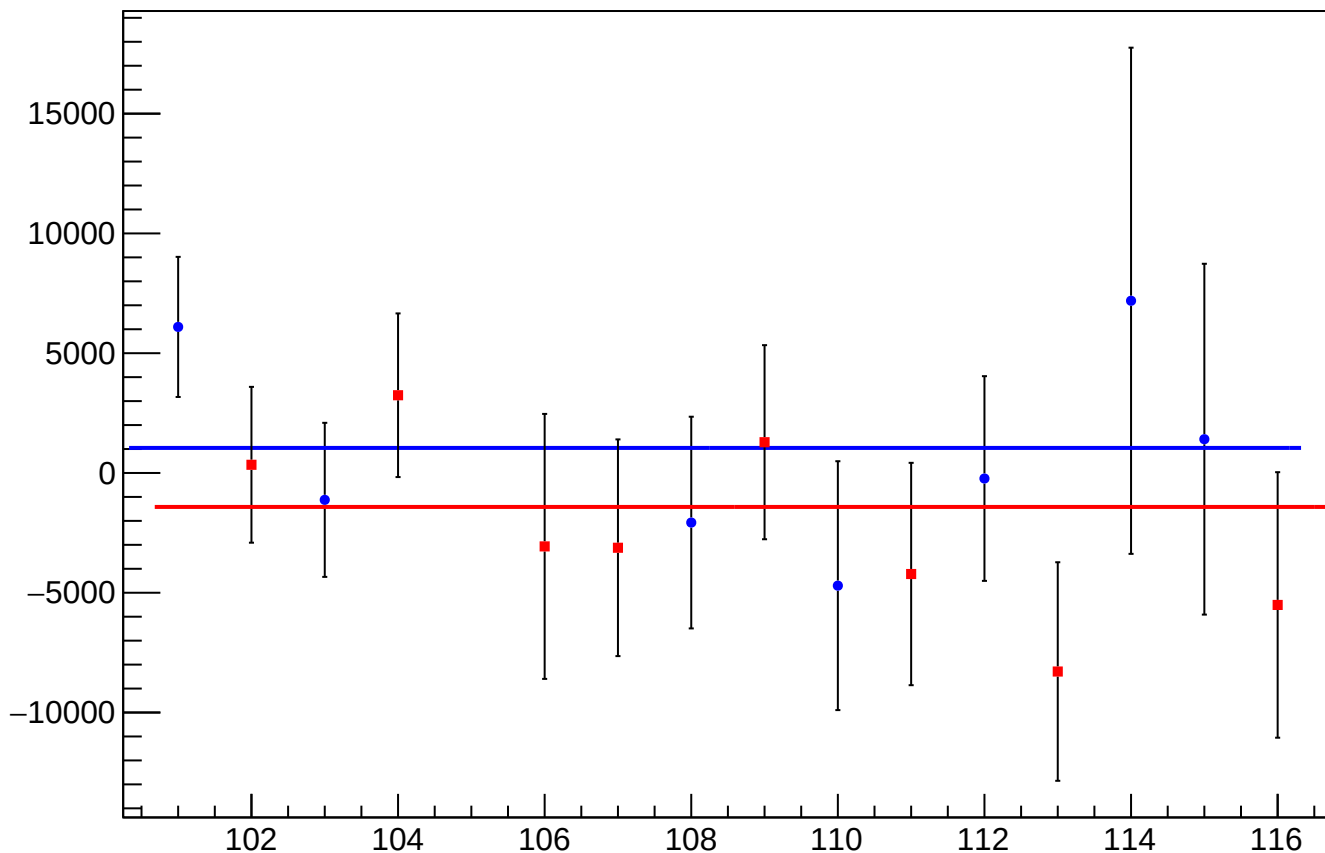
Right: 2686.050+/-0.784  $\chi^2/\text{NDF}$ : 147311.6/14

In: 2610.730+/-1.153  $\chi^2/\text{NDF}$ : 82992.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2686.050+/-0.784  $\chi^2/\text{NDF}$ : 147311.6/14

# asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 1045.770+/-1613.209  $\chi^2/\text{NDF}$ : 5.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1417.768+/-1491.137  $\chi^2/\text{NDF}$ : 6.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

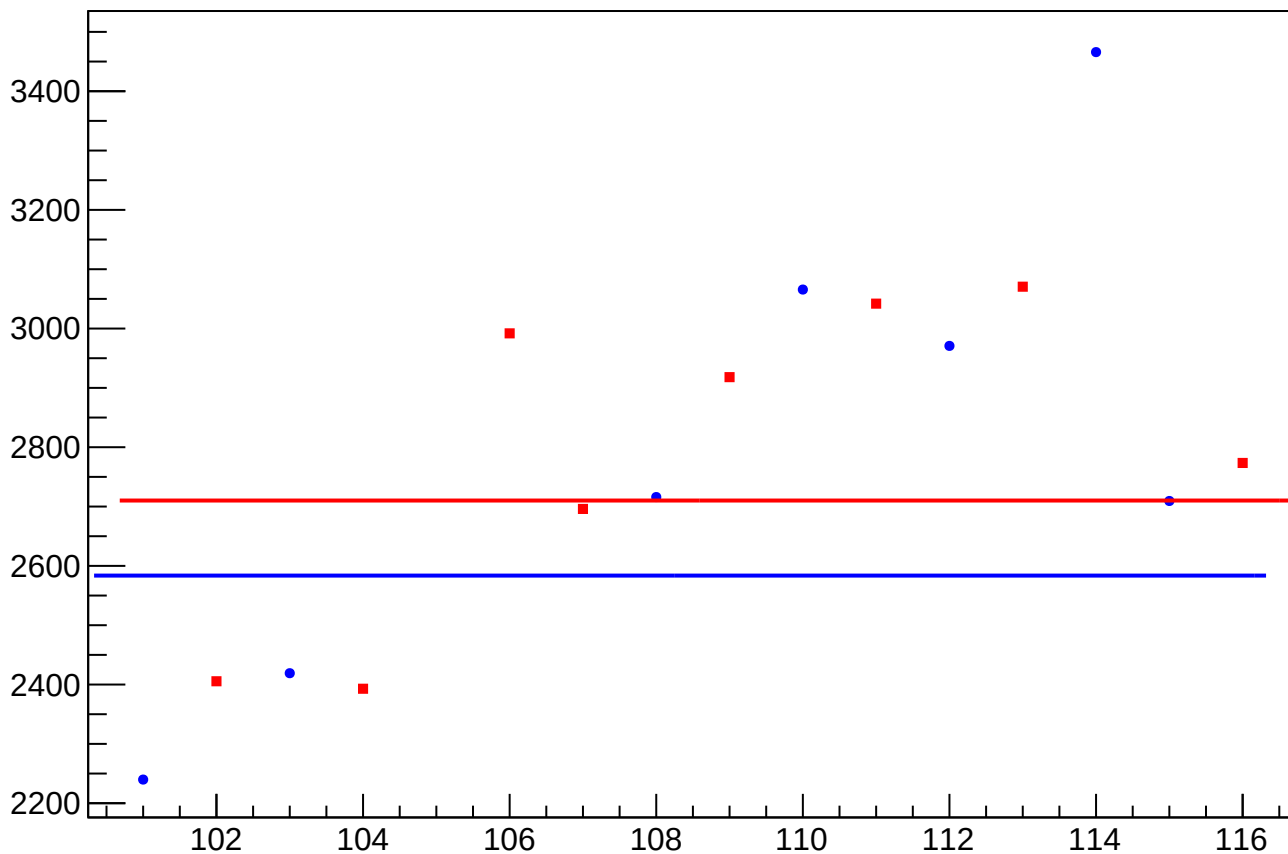
Right: -282.723+/-1095.008  $\chi^2/\text{NDF}$ : 12.9/14

In: 1045.770+/-1613.209  $\chi^2/\text{NDF}$ : 5.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -282.723+/-1095.008  $\chi^2/\text{NDF}$ : 12.9/14

# asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 2583.642 $\pm$ 1.141  $\chi^2$ /NDF: 82842.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2710.143 $\pm$ 1.054  $\chi^2$ /NDF: 68235.8/7

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

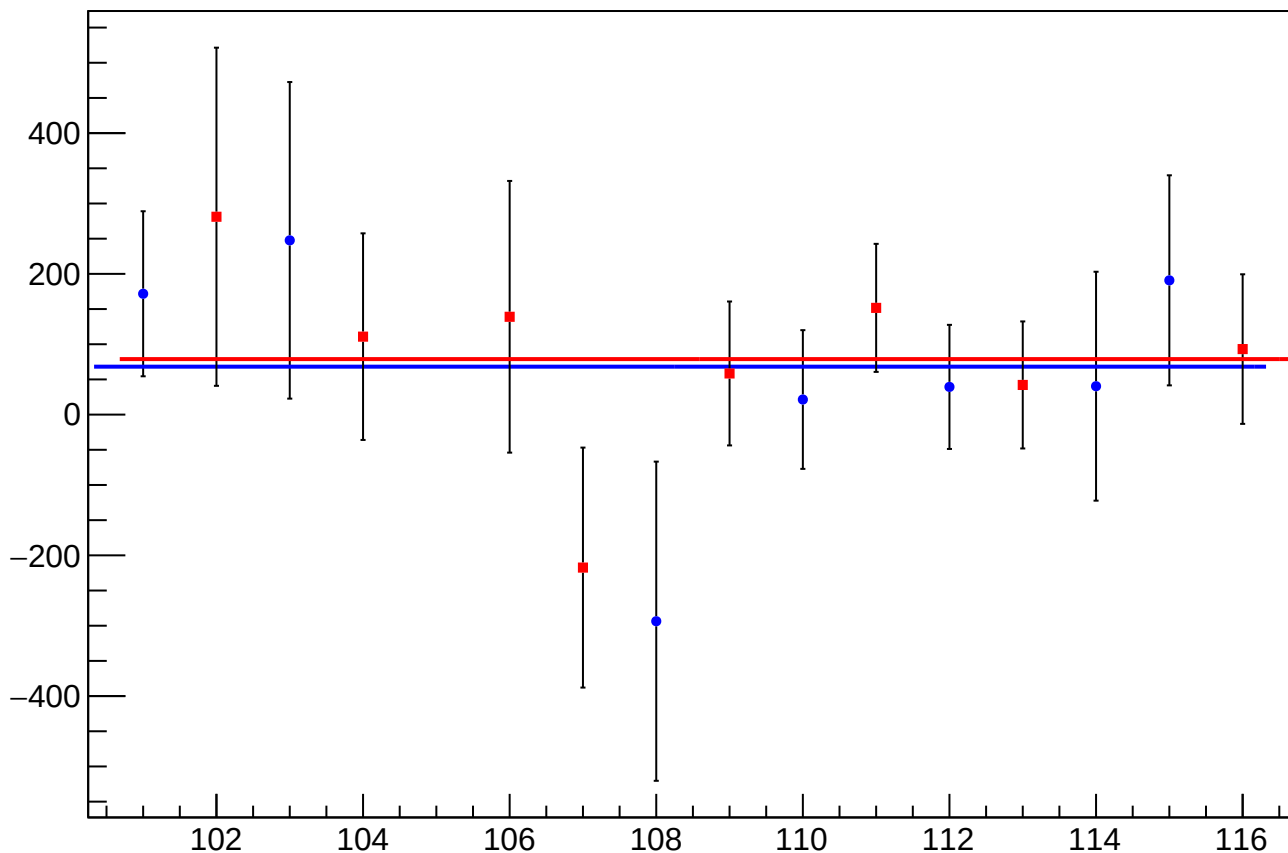
Right: 2651.859 $\pm$ 0.774  $\chi^2$ /NDF: 157710.2/14

In: 2583.642 $\pm$ 1.141  $\chi^2$ /NDF: 82842.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2651.859 $\pm$ 0.774  $\chi^2$ /NDF: 157710.2/14

dit\_asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 68.128+/-48.443  $\chi^2/\text{NDF}$ : 5.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 78.886+/-42.538  $\chi^2/\text{NDF}$ : 4.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

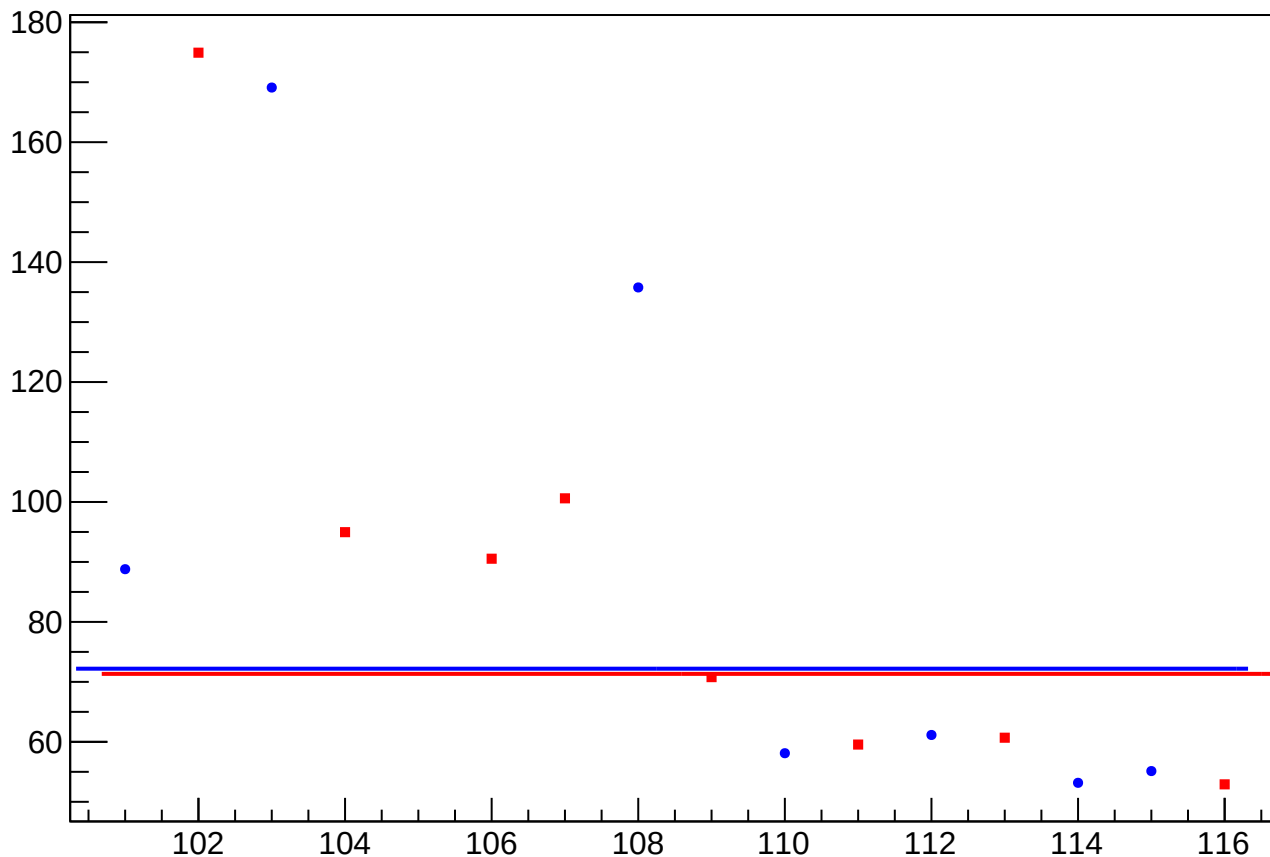
Right: 74.202+/-31.964  $\chi^2/\text{NDF}$ : 9.8/14

In: 68.128+/-48.443  $\chi^2/\text{NDF}$ : 5.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 74.202+/-31.964  $\chi^2/\text{NDF}$ : 9.8/14

dit\_asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 72.200+/-0.034  $\chi^2/\text{NDF}$ : 694265.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 71.334+/-0.030  $\chi^2/\text{NDF}$ : 623838.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

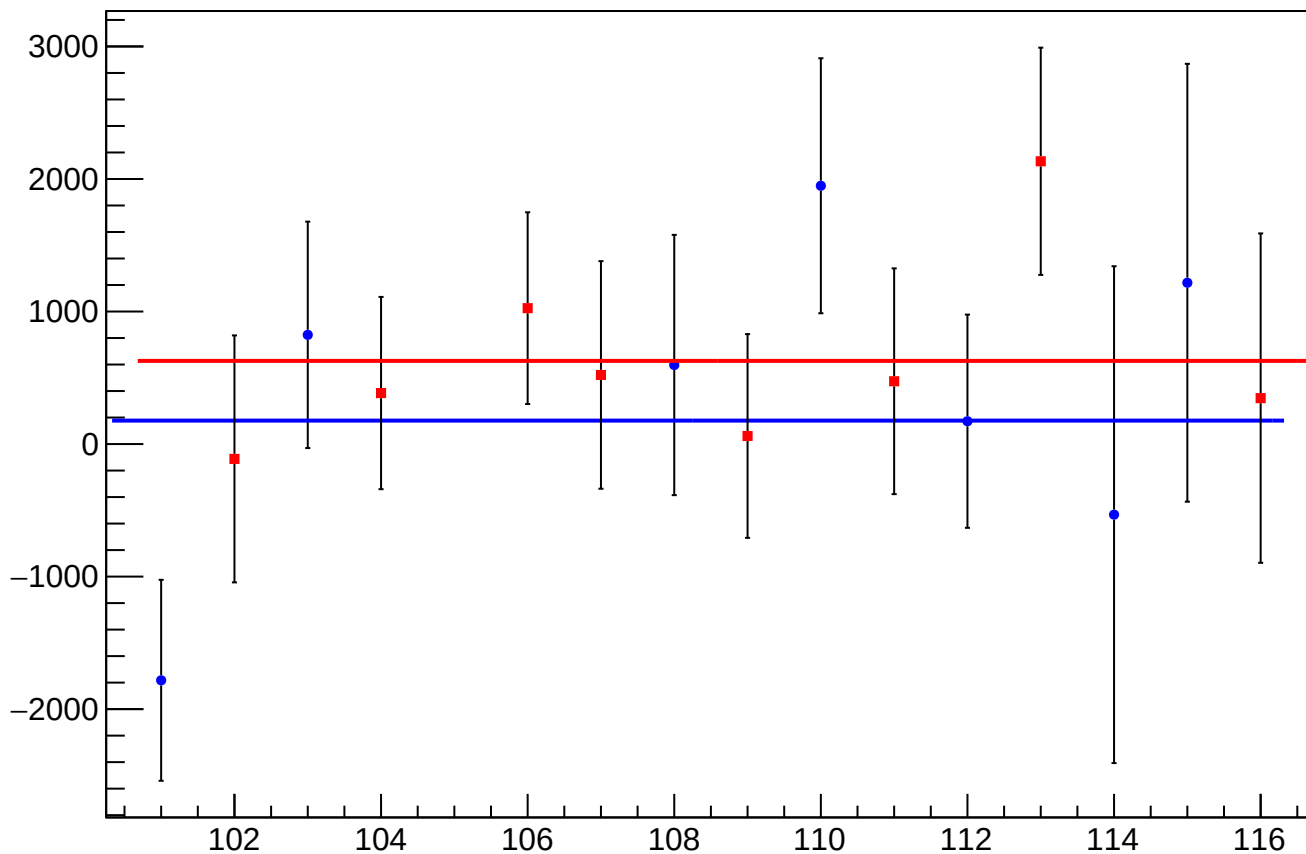
Right: 71.711+/-0.023  $\chi^2/\text{NDF}$ : 1318465.2/14

In: 72.200+/-0.034  $\chi^2/\text{NDF}$ : 694265.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 71.711+/-0.023  $\chi^2/\text{NDF}$ : 1318465.2/14

asym\_sam\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 176.900+/-367.018  $\chi^2/\text{NDF}$ : 11.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 627.462+/-296.188  $\chi^2/\text{NDF}$ : 4.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

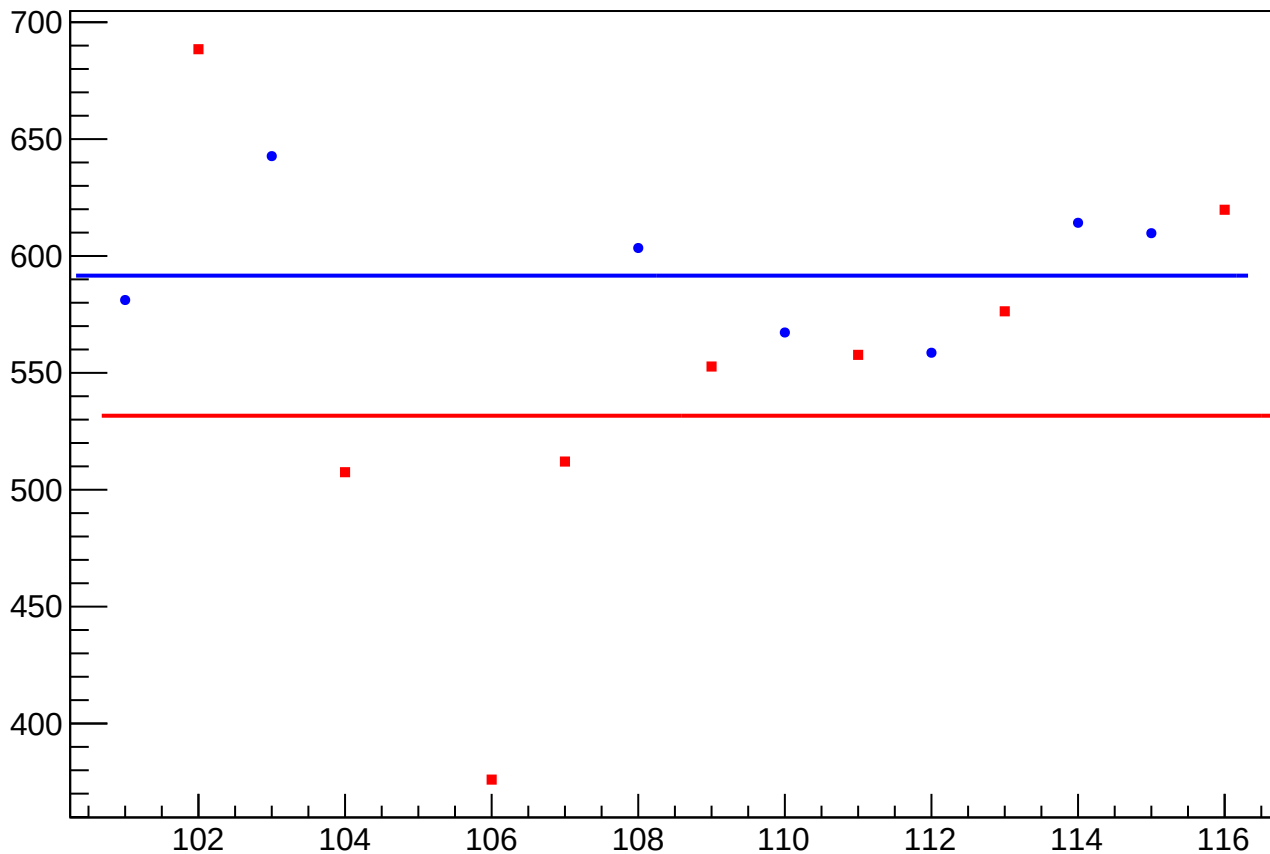
Right: 449.759+/-230.494  $\chi^2/\text{NDF}$ : 17.1/14

In: 176.900+/-367.018  $\chi^2/\text{NDF}$ : 11.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 449.759+/-230.494  $\chi^2/\text{NDF}$ : 17.1/14

asym\_sam\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 591.597 $\pm$ 0.260  $\chi^2$ /NDF: 13005.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 531.667 $\pm$ 0.209  $\chi^2$ /NDF: 171355.8/7

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: 555.304 $\pm$ 0.163  $\chi^2$ /NDF: 216655.7/14

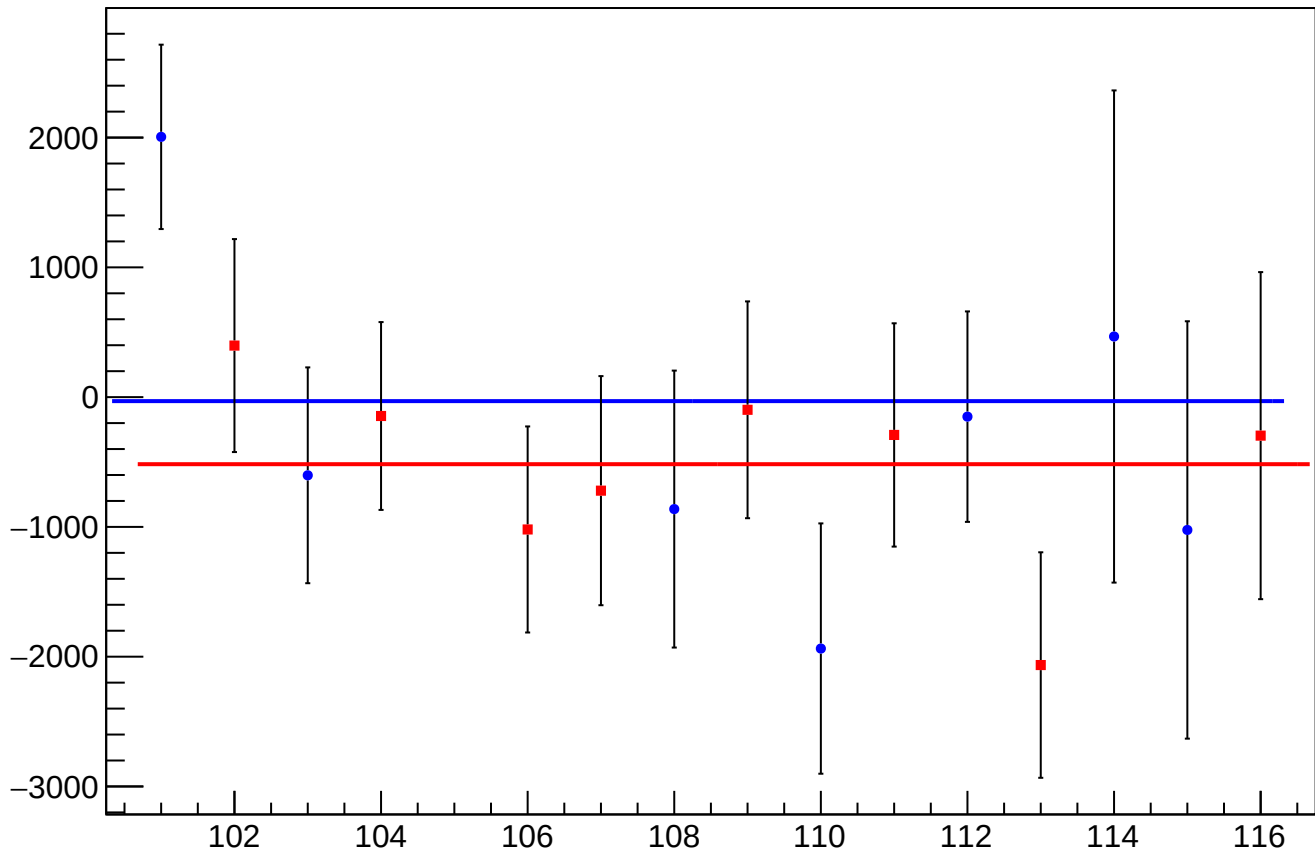
In: 591.597 $\pm$ 0.260  $\chi^2$ /NDF:13005.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 555.304 $\pm$ 0.163  $\chi^2$ /NDF: 216655.7/14



# asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In:  $-30.711 \pm 363.532$   $\chi^2/\text{NDF}$ : 13.7/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-516.722 \pm 301.466$   $\chi^2/\text{NDF}$ : 5.5/7

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

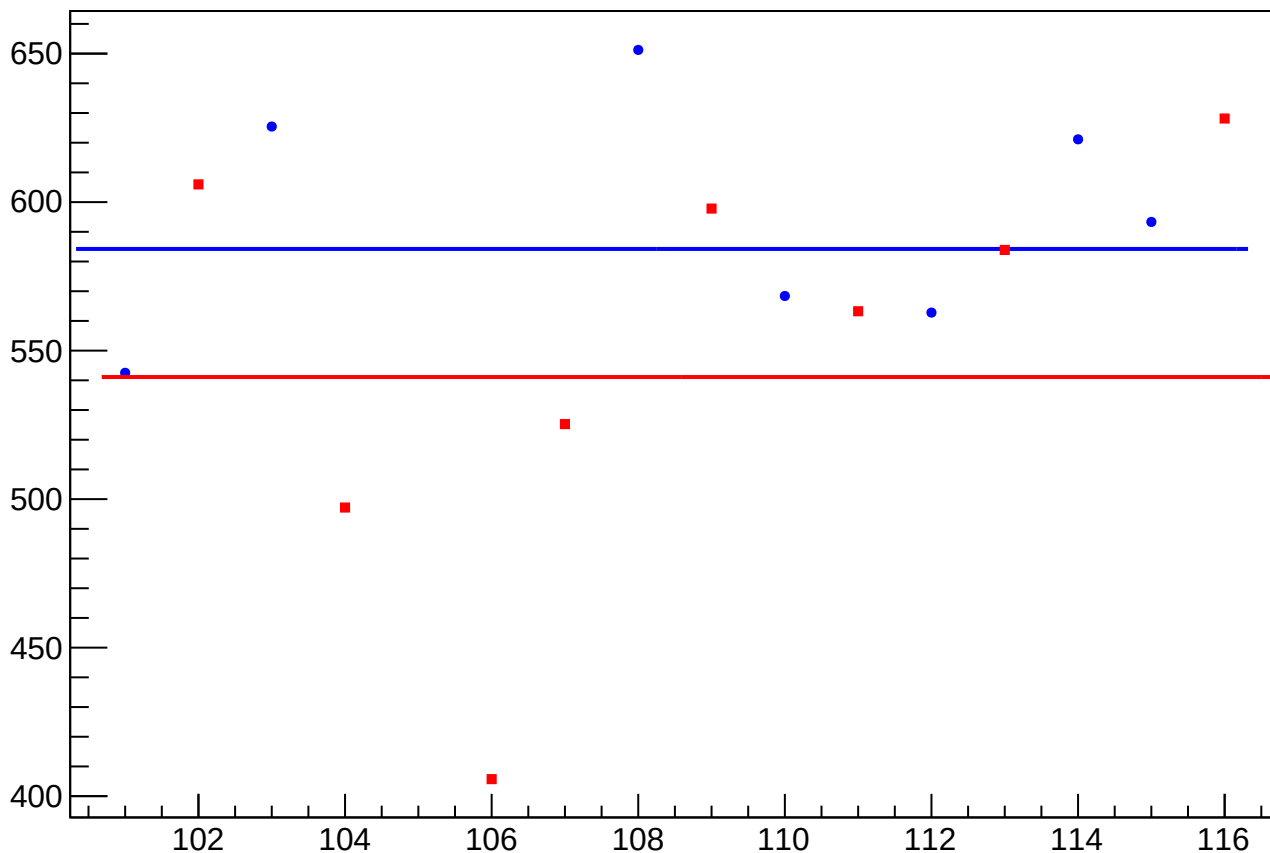
Right:  $-318.685 \pm 232.056$   $\chi^2/\text{NDF}$ : 20.2/14

In:  $-30.711 \pm 363.532$   $\chi^2/\text{NDF}$ : 13.7/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-318.685 \pm 232.056$   $\chi^2/\text{NDF}$ : 20.2/14

# asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 584.233+/-0.257  $\chi^2/\text{NDF}$ : 22448.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 541.110+/-0.213  $\chi^2/\text{NDF}$ : 103606.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

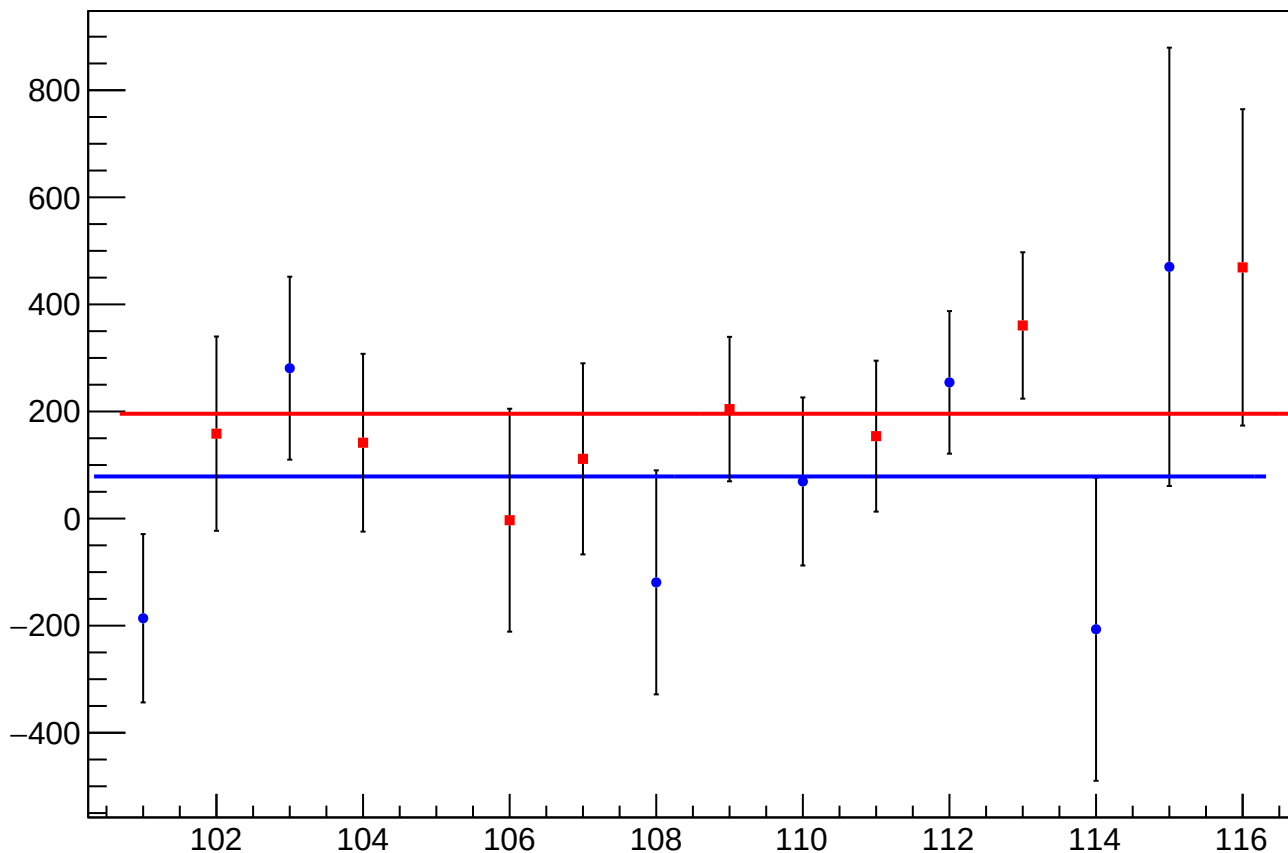
Right: 558.682+/-0.164  $\chi^2/\text{NDF}$ : 142729.3/14

In: 584.233+/-0.257  $\chi^2/\text{NDF}$ : 22448.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 558.682+/-0.164  $\chi^2/\text{NDF}$ : 142729.3/14

dit\_asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 78.657+/-68.515  $\chi^2/\text{NDF}$ : 8.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 195.780+/-58.586  $\chi^2/\text{NDF}$ : 3.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

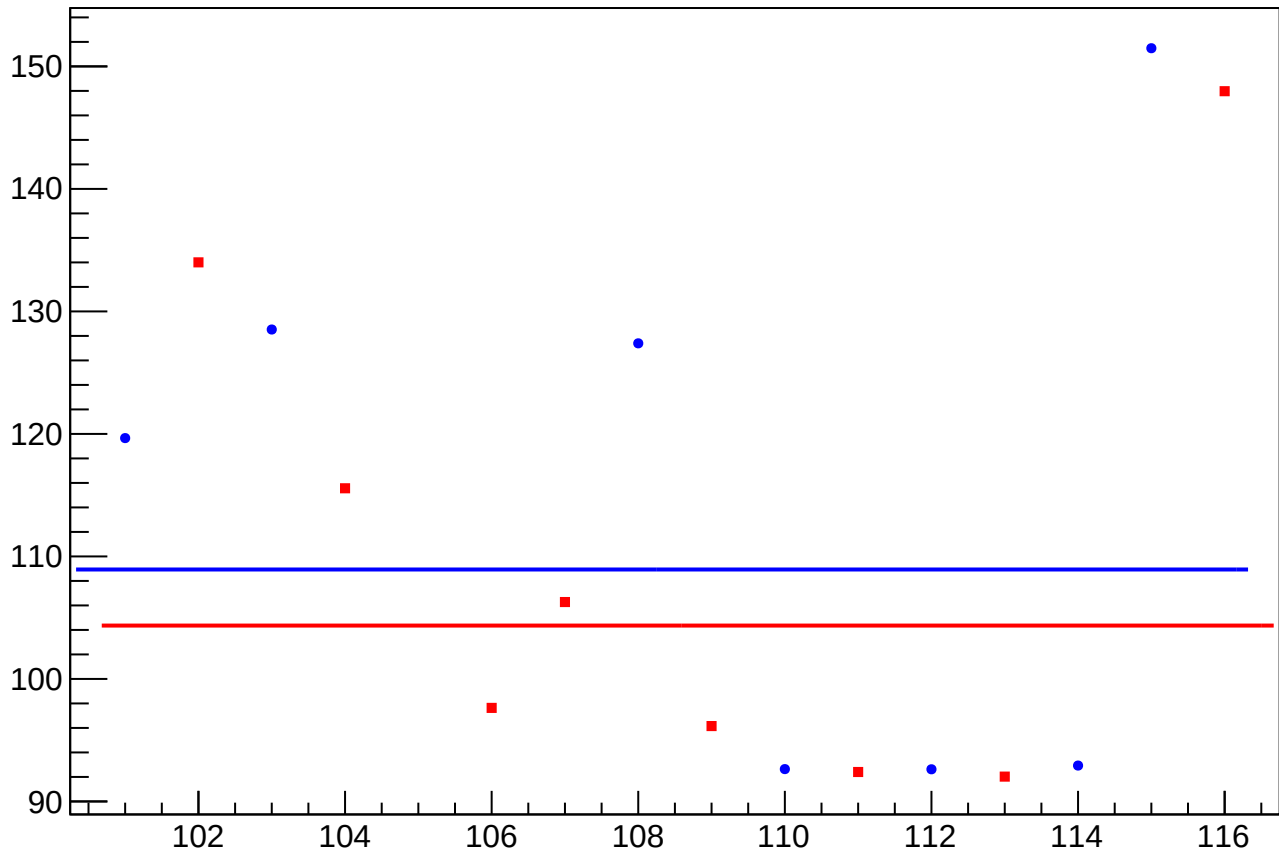
Right: 146.313+/-44.527  $\chi^2/\text{NDF}$ : 14.2/14

In: 78.657+/-68.515  $\chi^2/\text{NDF}$ : 8.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 146.313+/-44.527  $\chi^2/\text{NDF}$ : 14.2/14

dit\_asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 108.934+/-0.048  $\chi^2/\text{NDF}$ : 130743.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 104.356+/-0.041  $\chi^2/\text{NDF}$ : 146462.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

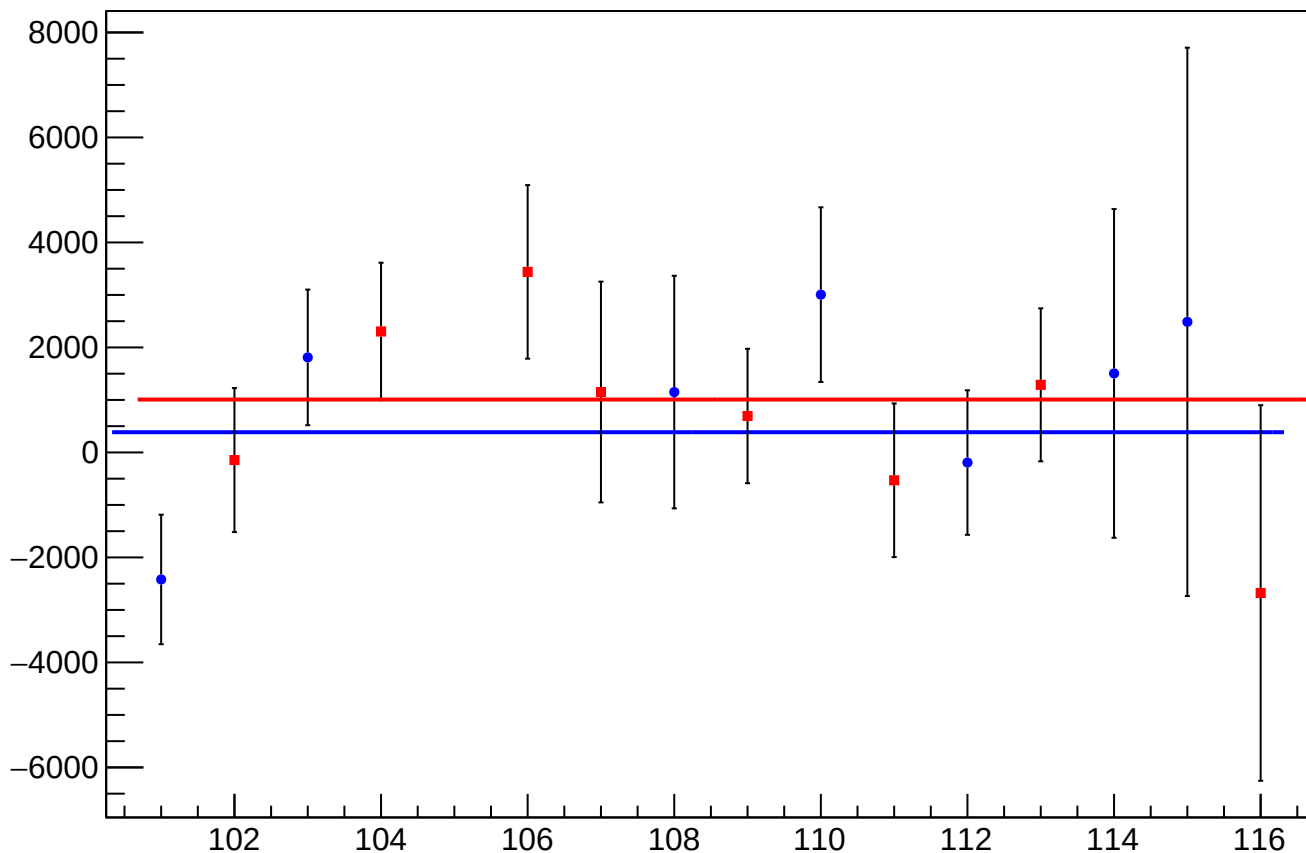
Right: 106.289+/-0.031  $\chi^2/\text{NDF}$ : 282361.6/14

In: 108.934+/-0.048  $\chi^2/\text{NDF}$ : 130743.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 106.289+/-0.031  $\chi^2/\text{NDF}$ : 282361.6/14

asym\_sam\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 385.030+/-634.065  $\chi^2/\text{NDF}$ : 9.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1007.647+/-547.761  $\chi^2/\text{NDF}$ : 6.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

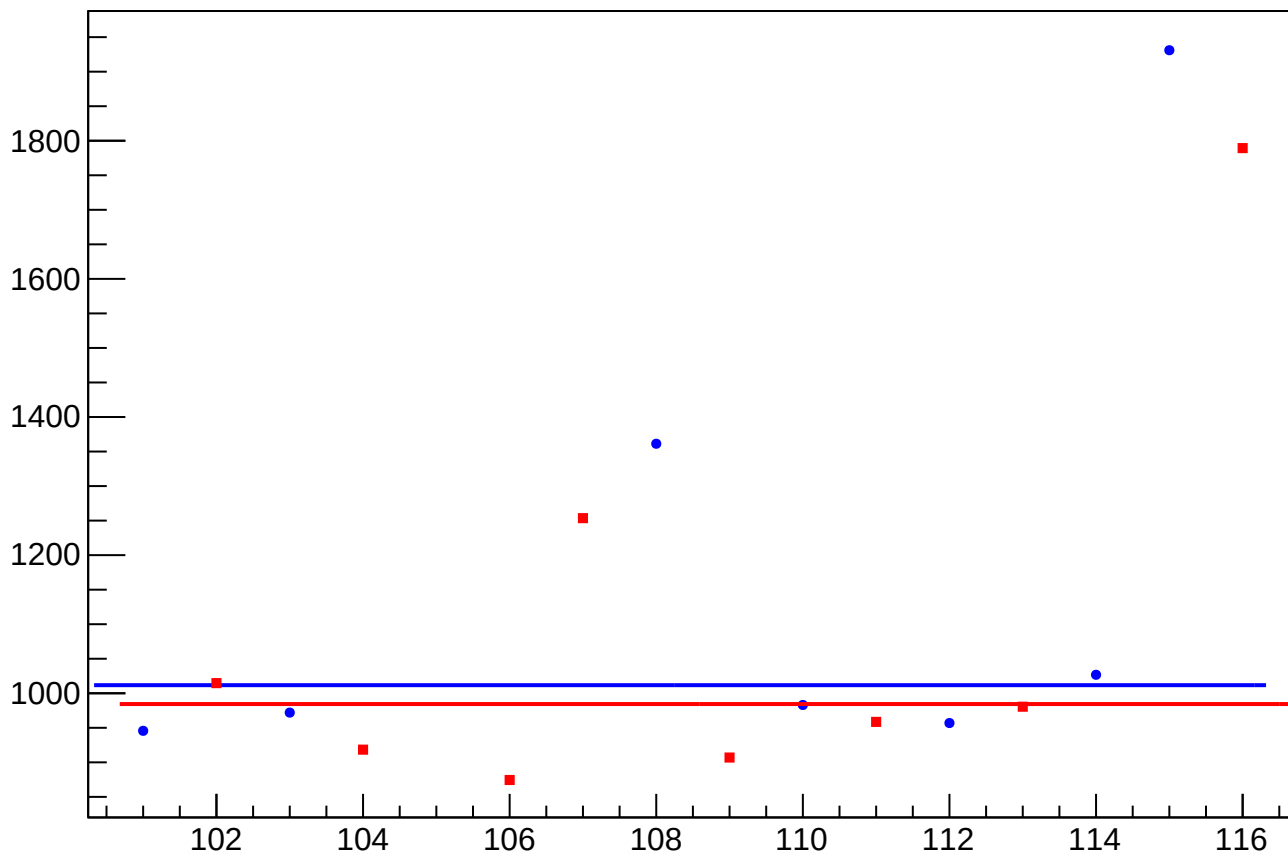
Right: 741.564+/-414.507  $\chi^2/\text{NDF}$ : 16.1/14

In: 385.030+/-634.065  $\chi^2/\text{NDF}$ : 9.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 741.564+/-414.507  $\chi^2/\text{NDF}$ : 16.1/14

asym\_sam\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1011.733+/-0.448  $\chi^2/\text{NDF}$ : 123207.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 984.399+/-0.387  $\chi^2/\text{NDF}$ : 156876.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

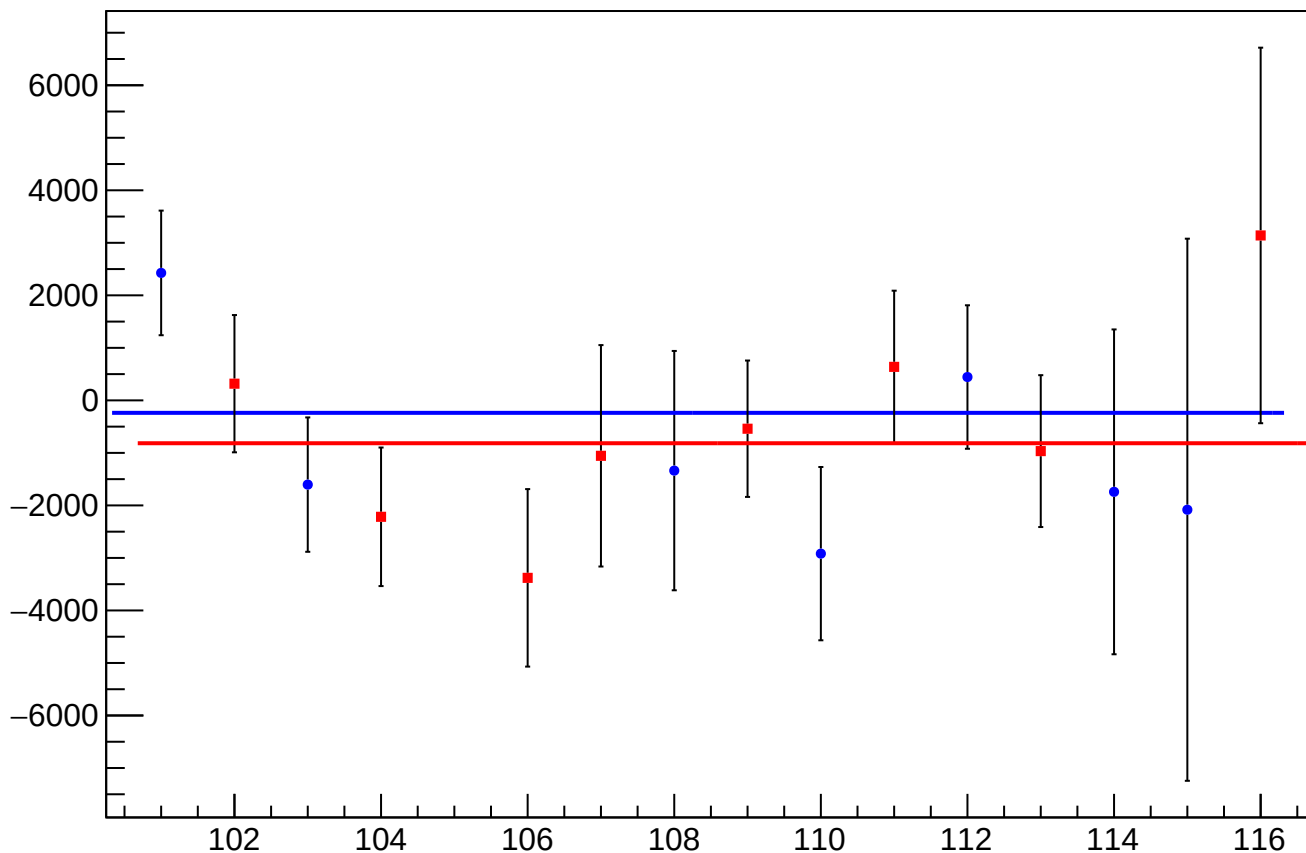
Right: 996.080+/-0.293  $\chi^2/\text{NDF}$ : 282212.9/14

In: 1011.733+/-0.448  $\chi^2/\text{NDF}$ : 123207.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 996.080+/-0.293  $\chi^2/\text{NDF}$ : 282212.9/14

# asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In: -237.392+/-625.039  $\chi^2$ /NDF: 9.7/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -816.174+/-545.497  $\chi^2$ /NDF: 6.5/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

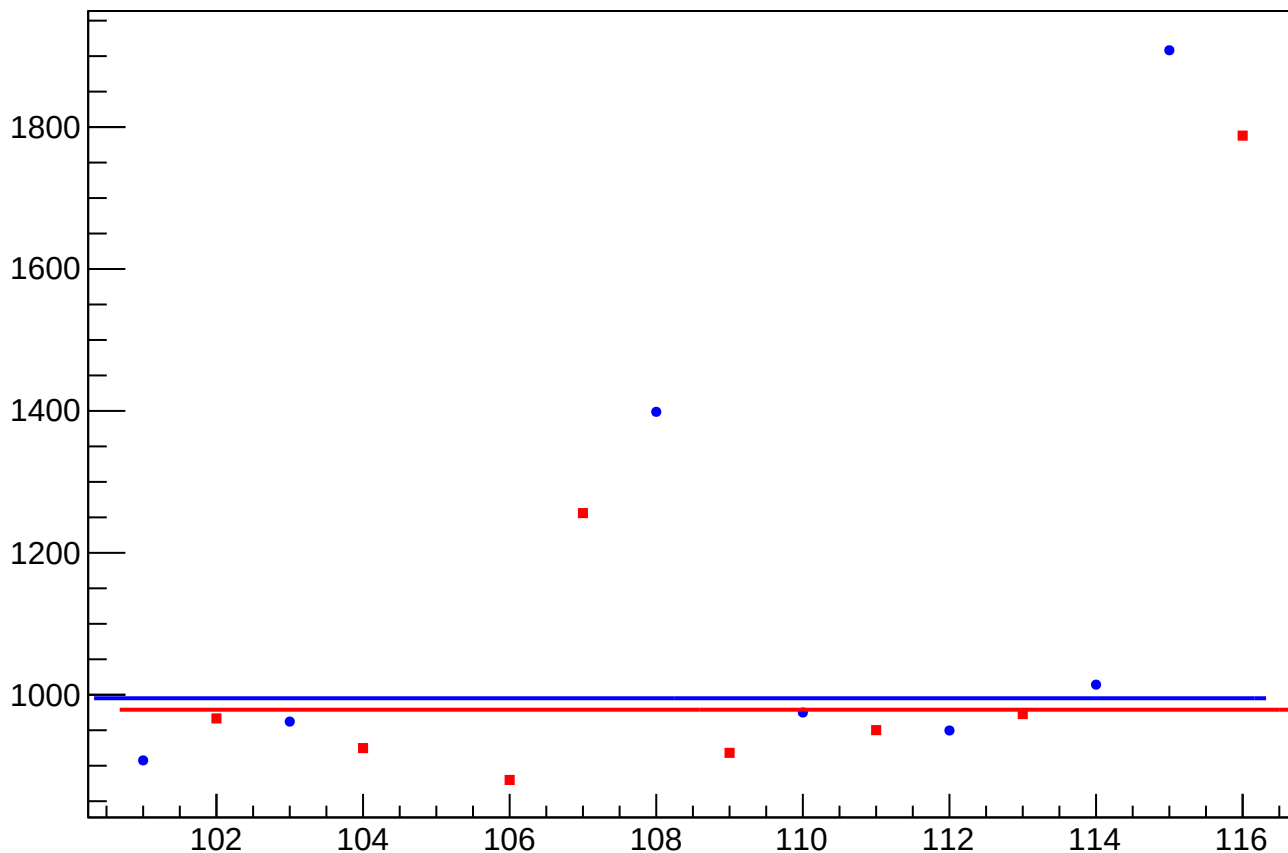
Right: -565.932+/-410.988  $\chi^2$ /NDF: 16.6/14

In: -237.392+/-625.039  $\chi^2$ /NDF:9.7/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -565.932+/-410.988  $\chi^2$ /NDF: 16.6/14

# asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 995.081+/-0.442  $\chi^2/\text{NDF}$ : 140186.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 978.945+/-0.386  $\chi^2/\text{NDF}$ : 152560.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 985.921+/-0.291  $\chi^2/\text{NDF}$ : 293504.2/14

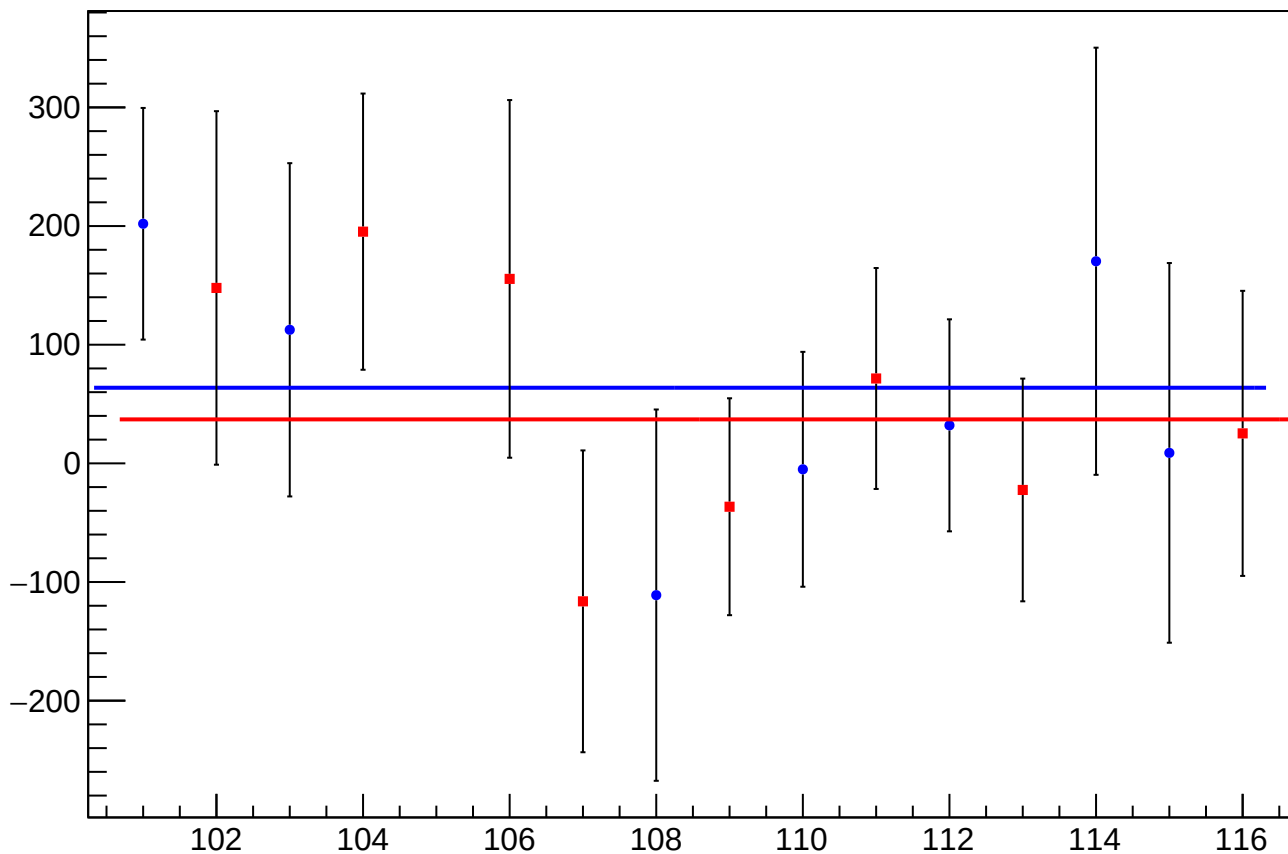
In: 995.081+/-0.442  $\chi^2/\text{NDF}$ : 140186.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 985.921+/-0.291  $\chi^2/\text{NDF}$ : 293504.2/14



dit\_asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 63.734+/-45.004  $\chi^2/\text{NDF}$ : 4.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 37.061+/-39.449  $\chi^2/\text{NDF}$ : 5.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

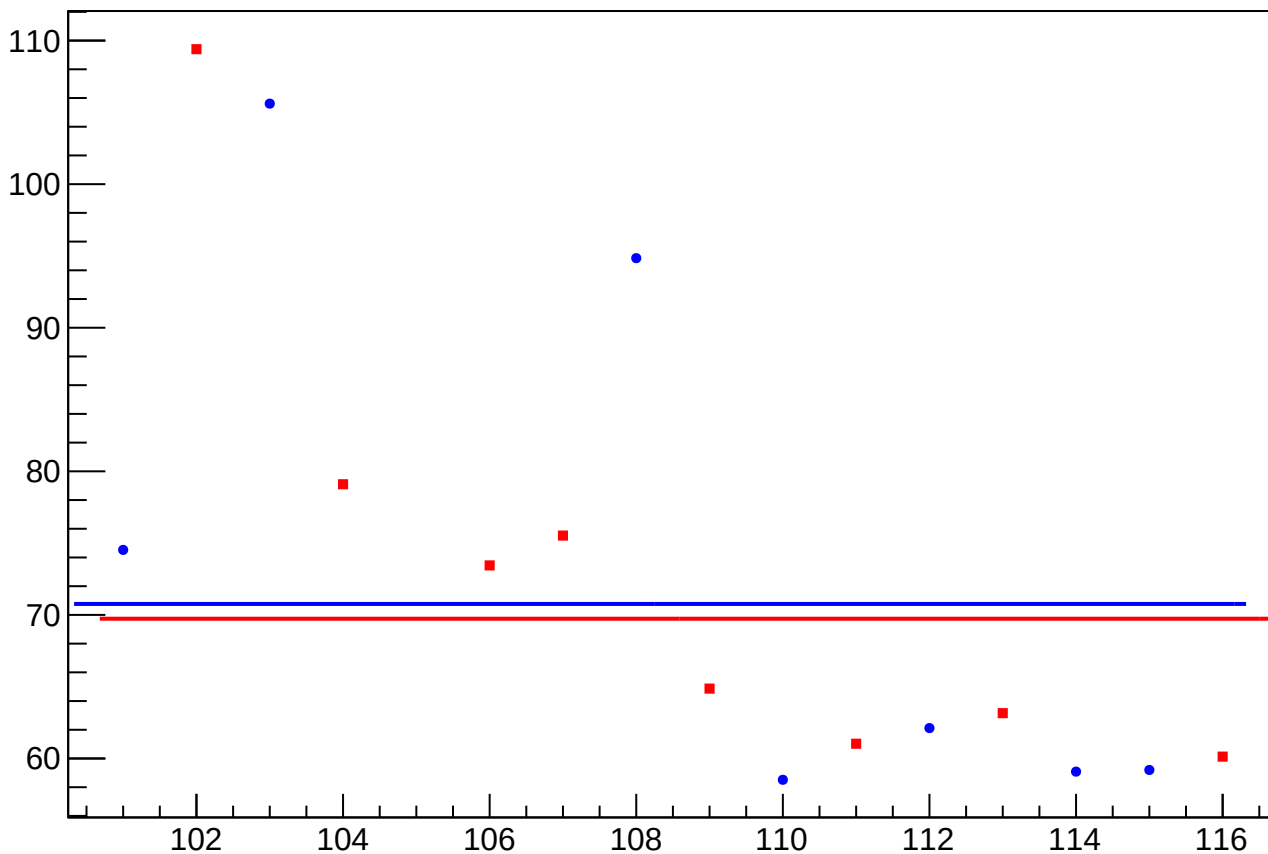
Right: 48.650+/-29.665  $\chi^2/\text{NDF}$ : 10.3/14

In: 63.734+/-45.004  $\chi^2/\text{NDF}$ :4.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 48.650+/-29.665  $\chi^2/\text{NDF}$ : 10.3/14

dit\_asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 70.764+/-0.032  $\chi^2/\text{NDF}$ : 241682.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 69.735+/-0.028  $\chi^2/\text{NDF}$ : 205863.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

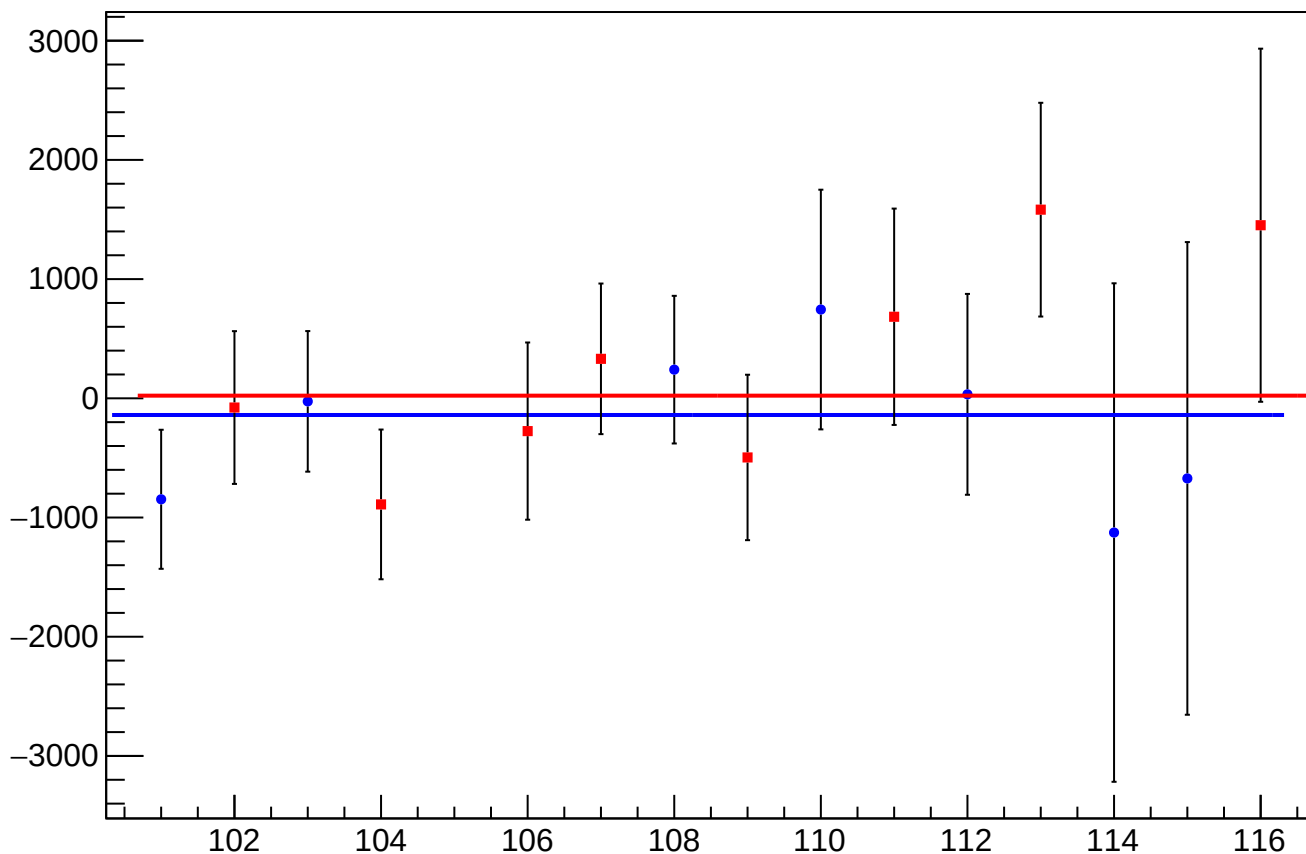
Right: 70.182+/-0.021  $\chi^2/\text{NDF}$ : 448136.8/14

In: 70.764+/-0.032  $\chi^2/\text{NDF}$ : 241682.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 70.182+/-0.021  $\chi^2/\text{NDF}$ : 448136.8/14

asym\_sam\_13\_57\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -139.867 $\pm$ 297.428  $\chi^2$ /NDF: 3.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 22.334 $\pm$ 264.635  $\chi^2$ /NDF: 7.6/7

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

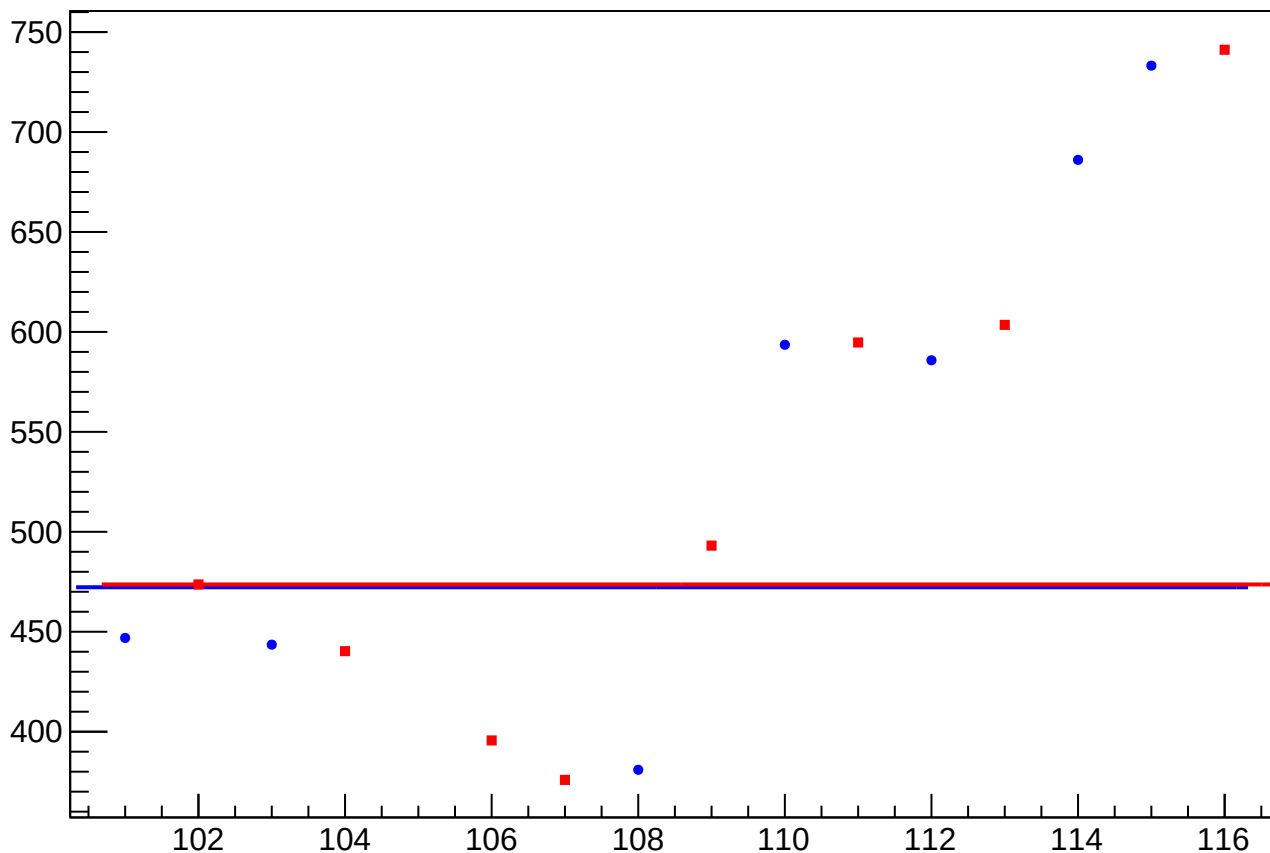
Right: -49.335 $\pm$ 197.707  $\chi^2$ /NDF: 10.7/14

In: -139.867 $\pm$ 297.428  $\chi^2$ /NDF:3.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -49.335 $\pm$ 197.707  $\chi^2$ /NDF: 10.7/14

asym\_sam\_13\_57\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 472.270+/-0.210  $\chi^2/\text{NDF}$ : 173032.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 473.658+/-0.187  $\chi^2/\text{NDF}$ : 219976.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

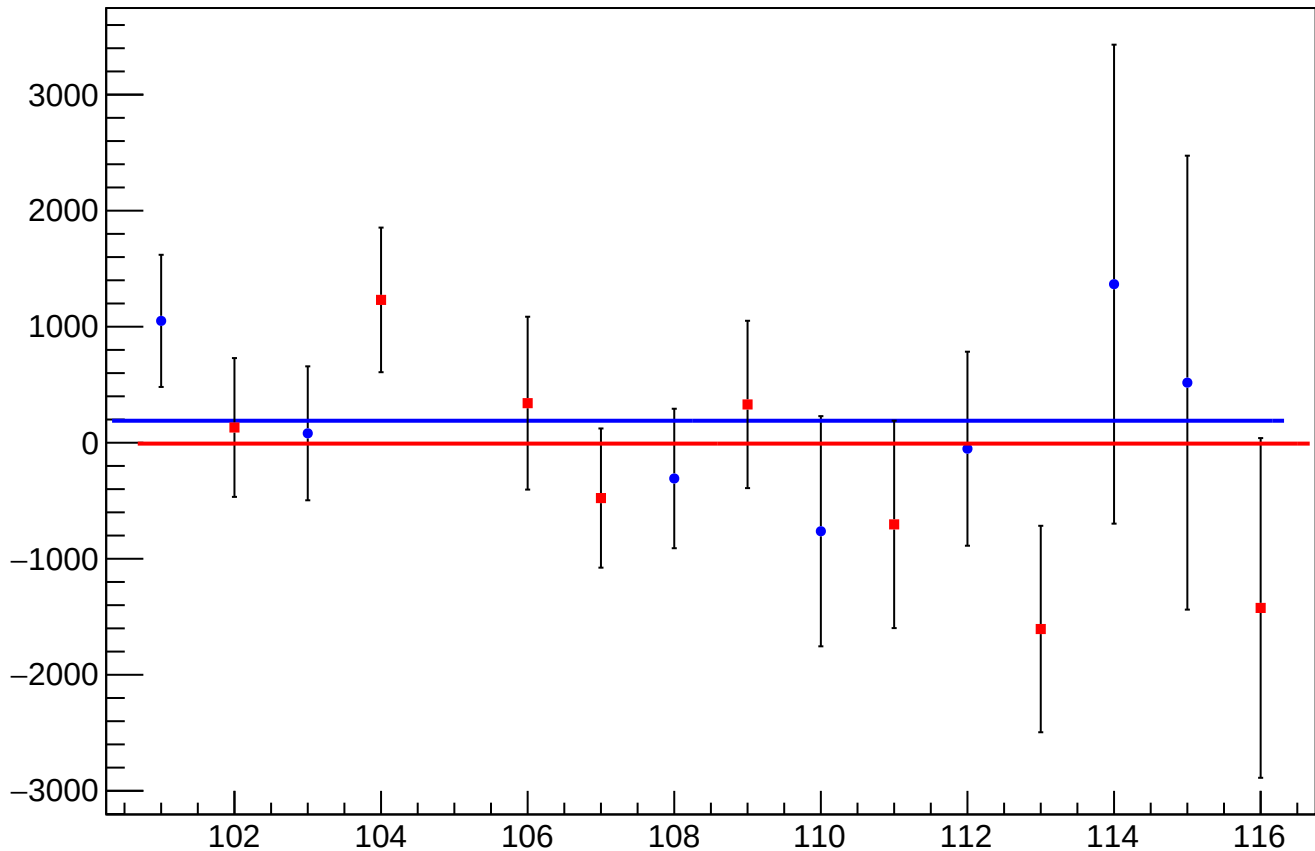
Right: 473.044+/-0.140  $\chi^2/\text{NDF}$ : 393033.5/14

In: 472.270+/-0.210  $\chi^2/\text{NDF}$ : 173032.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 473.044+/-0.140  $\chi^2/\text{NDF}$ : 393033.5/14

asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 189.532 $\pm$ 291.171  $\chi^2$ /NDF: 4.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7.596 $\pm$ 259.443  $\chi^2$ /NDF: 9.8/7

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

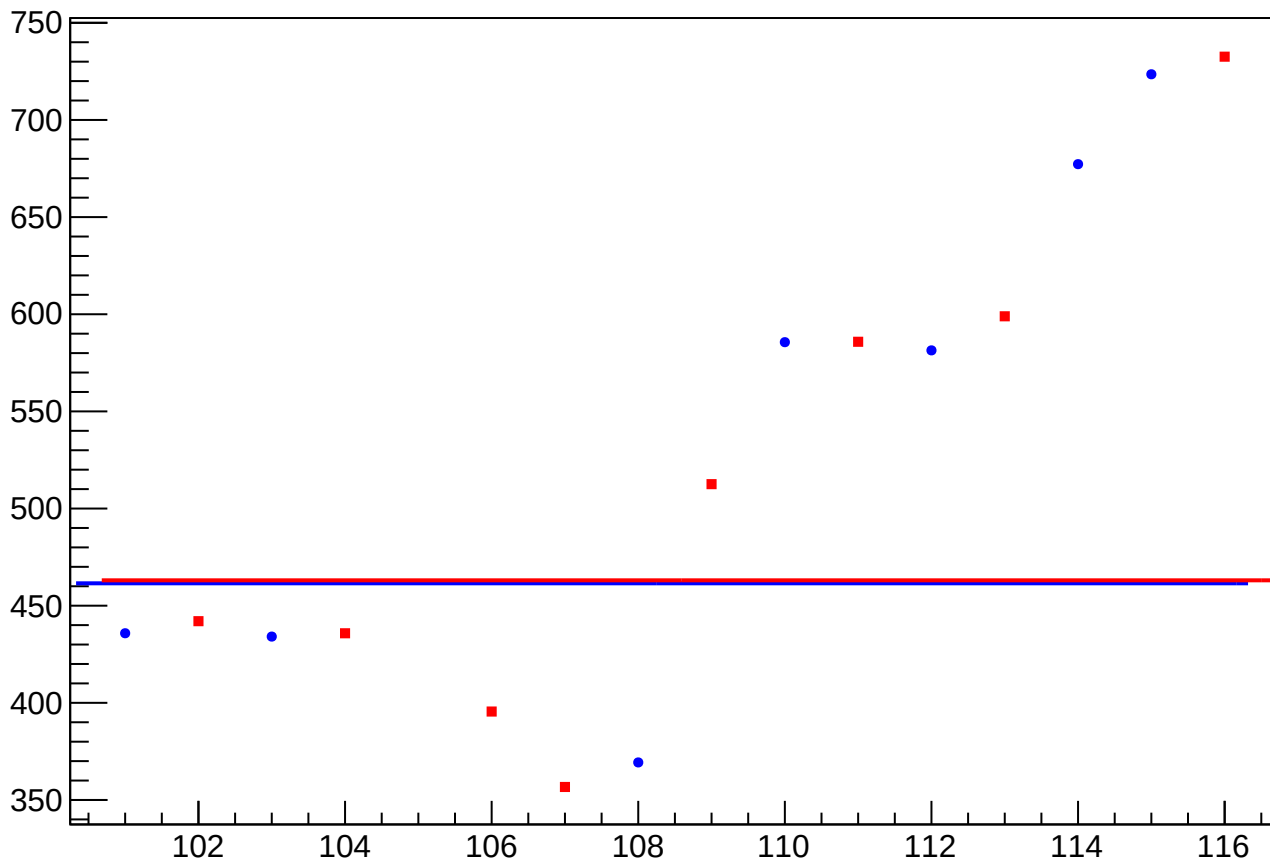
Right: 79.646 $\pm$ 193.704  $\chi^2$ /NDF: 14.4/14

In: 189.532 $\pm$ 291.171  $\chi^2$ /NDF:4.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 79.646 $\pm$ 193.704  $\chi^2$ /NDF: 14.4/14

asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 461.516+/-0.206  $\chi^2/\text{NDF}$ : 185803.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 463.055+/-0.183  $\chi^2/\text{NDF}$ : 247232.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

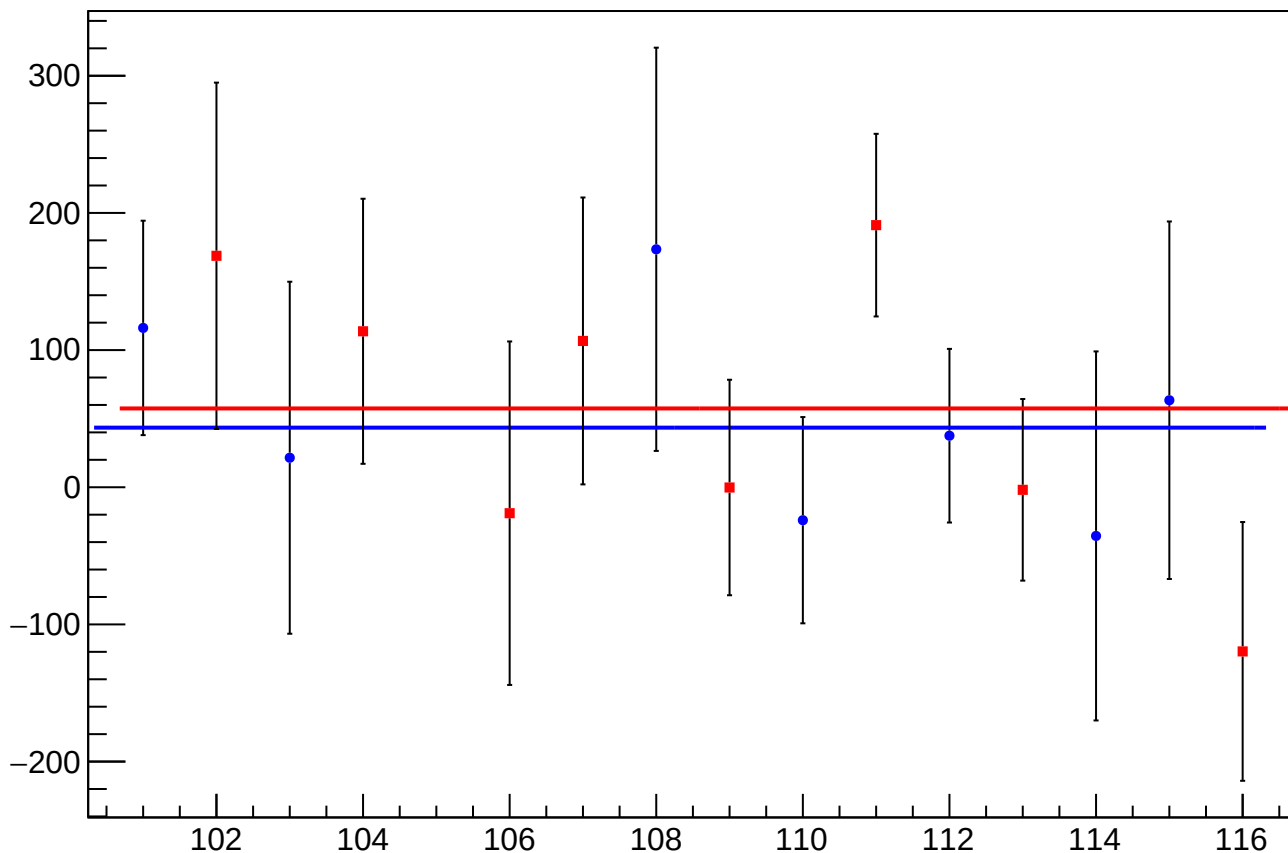
Right: 462.374+/-0.137  $\chi^2/\text{NDF}$ : 433067.3/14

In: 461.516+/-0.206  $\chi^2/\text{NDF}$ : 185803.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 462.374+/-0.137  $\chi^2/\text{NDF}$ : 433067.3/14

dit\_asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 43.455+/-35.109  $\chi^2/\text{NDF}$ : 2.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 57.456+/-30.813  $\chi^2/\text{NDF}$ : 10.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

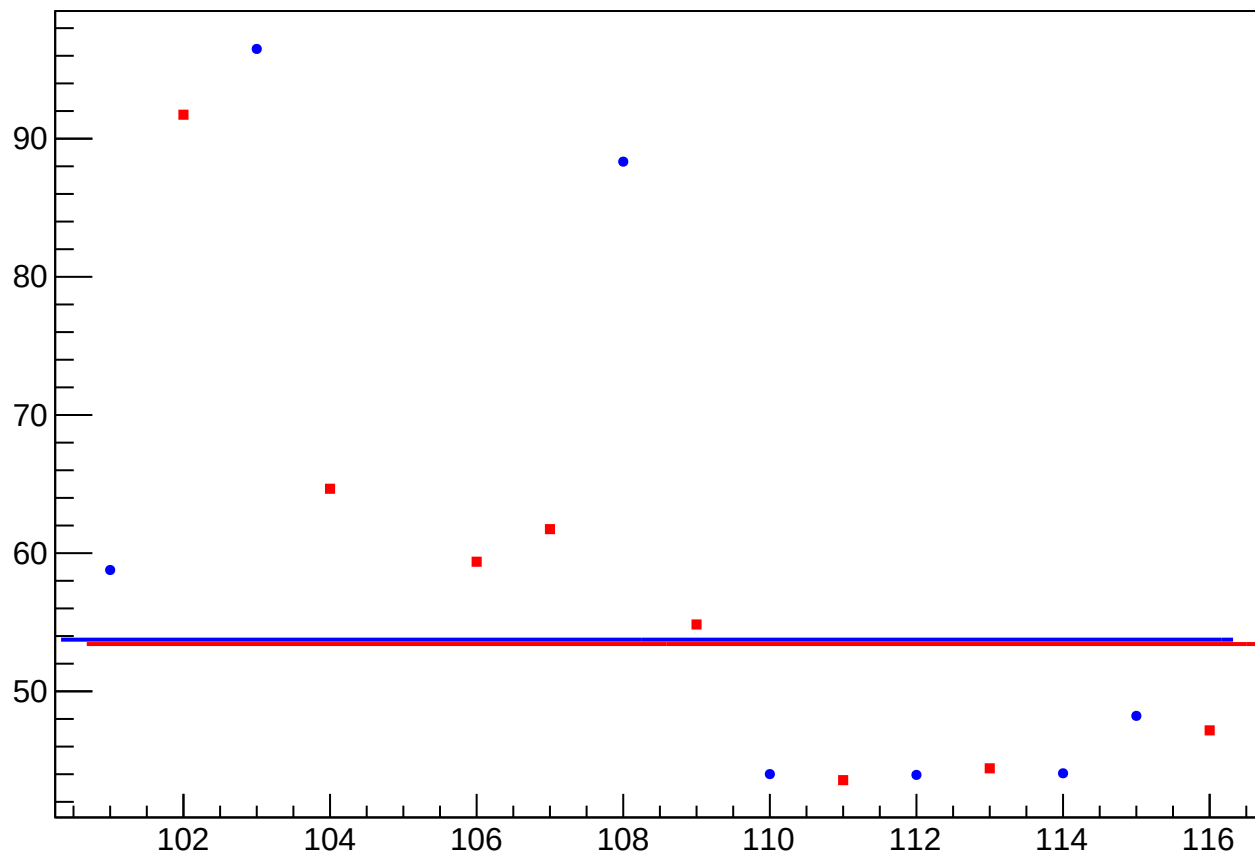
Right: 51.364+/-23.159  $\chi^2/\text{NDF}$ : 13.6/14

In: 43.455+/-35.109  $\chi^2/\text{NDF}$ : 2.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 51.364+/-23.159  $\chi^2/\text{NDF}$ : 13.6/14

dit\_asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 53.739+/-0.025  $\chi^2/\text{NDF}$ : 436403.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 53.422+/-0.022  $\chi^2/\text{NDF}$ : 318528.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 53.560+/-0.016  $\chi^2/\text{NDF}$ : 755024.2/14

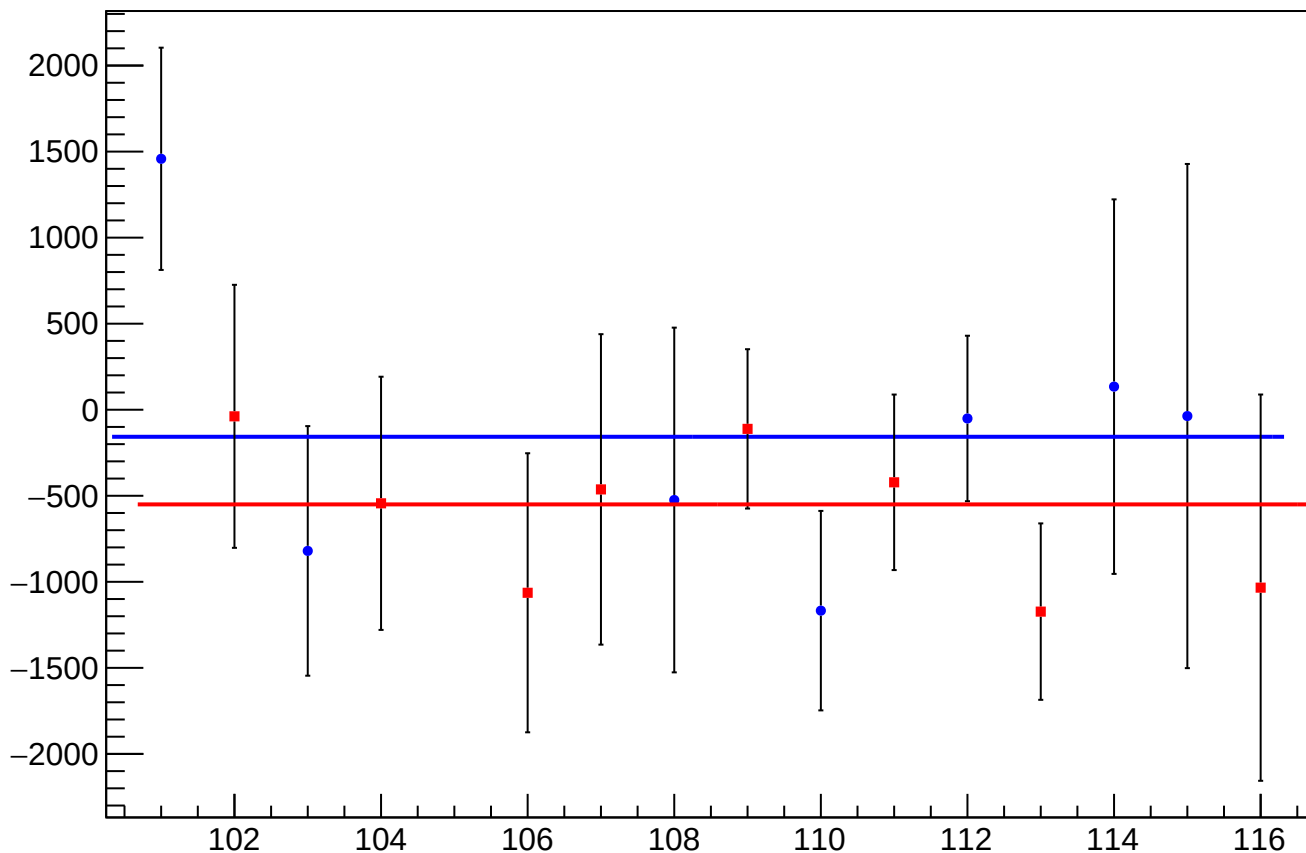
In: 53.739+/-0.025  $\chi^2/\text{NDF}$ : 436403.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 53.560+/-0.016  $\chi^2/\text{NDF}$ : 755024.2/14



asym\_sam\_15\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -157.177+/-268.139  $\chi^2$ /NDF: 10.4/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -550.118+/-226.916  $\chi^2$ /NDF: 3.5/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

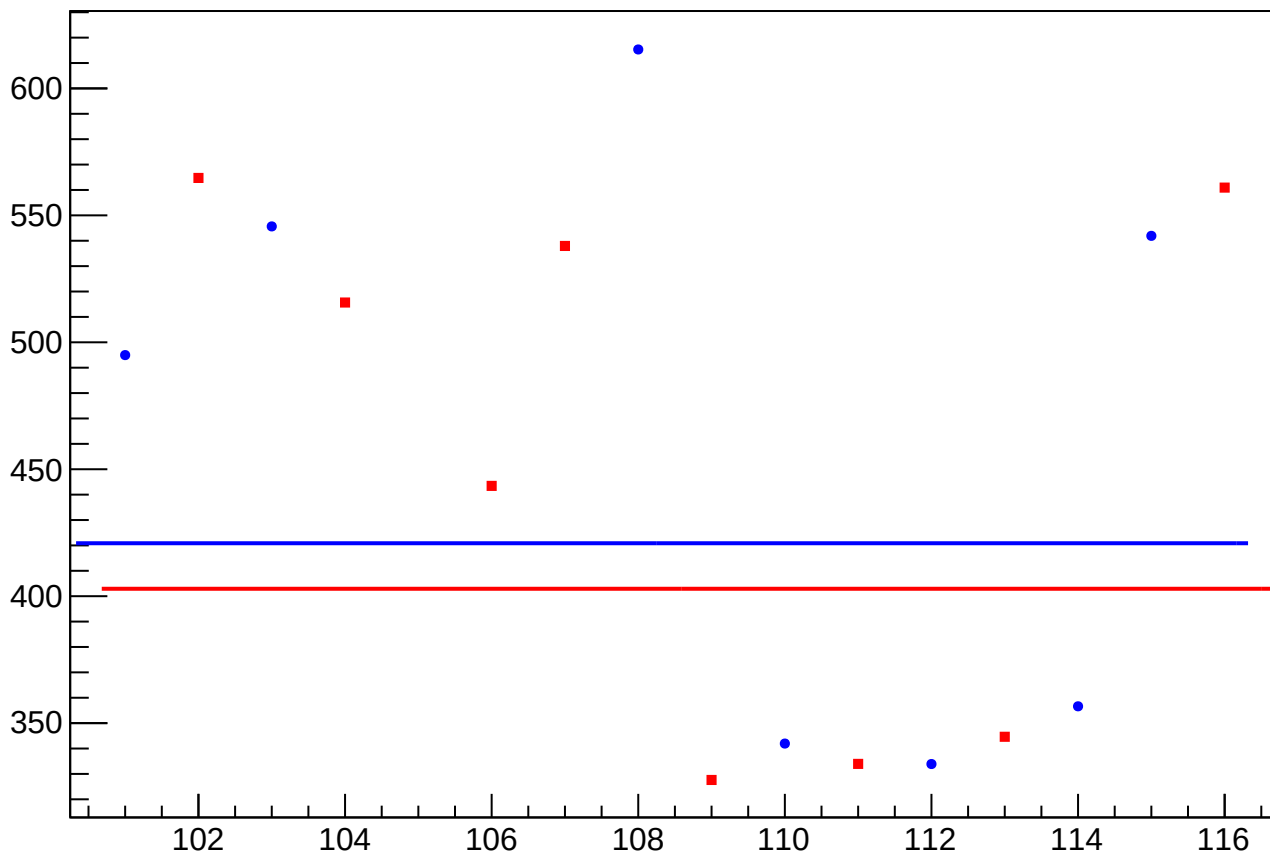
Right: -386.142+/-173.215  $\chi^2$ /NDF: 15.1/14

In: -157.177+/-268.139  $\chi^2$ /NDF:10.4/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -386.142+/-173.215  $\chi^2$ /NDF: 15.1/14

asym\_sam\_15\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 420.856 $\pm$ 0.190  $\chi^2$ /NDF: 284070.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 402.925 $\pm$ 0.160  $\chi^2$ /NDF: 341474.7/7

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

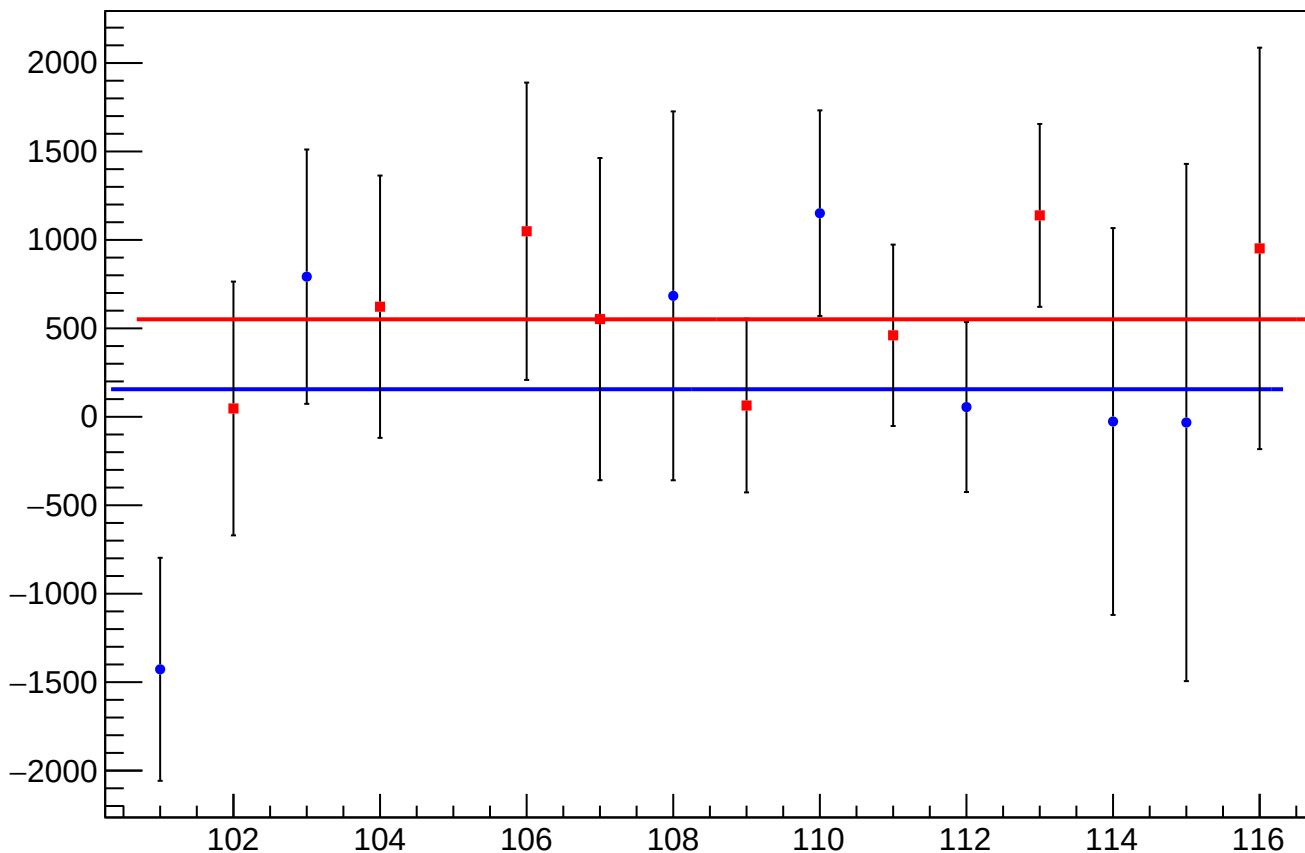
Right: 410.408 $\pm$ 0.122  $\chi^2$ /NDF: 630756.4/14

In: 420.856 $\pm$ 0.190  $\chi^2$ /NDF:284070.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 410.408 $\pm$ 0.122  $\chi^2$ /NDF: 630756.4/14

asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 155.873 $\pm$ 267.583  $\chi^2$ /NDF: 10.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 551.236 $\pm$ 230.304  $\chi^2$ /NDF: 3.3/7

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

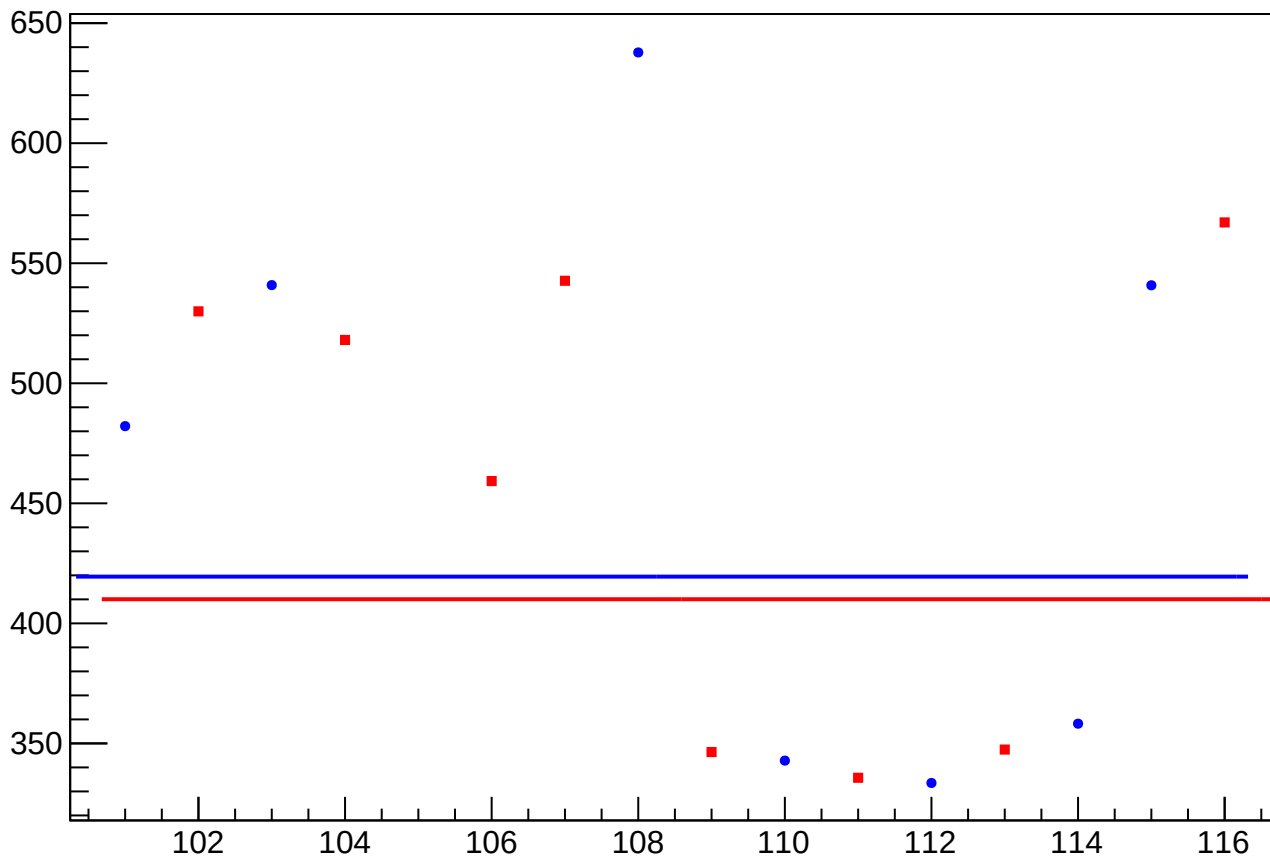
Right: 382.992 $\pm$ 174.554  $\chi^2$ /NDF: 14.9/14

In: 155.873 $\pm$ 267.583  $\chi^2$ /NDF:10.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 382.992 $\pm$ 174.554  $\chi^2$ /NDF: 14.9/14

asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 419.470+/-0.189  $\chi^2/\text{NDF}$ : 283337.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 410.053+/-0.163  $\chi^2/\text{NDF}$ : 290886.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

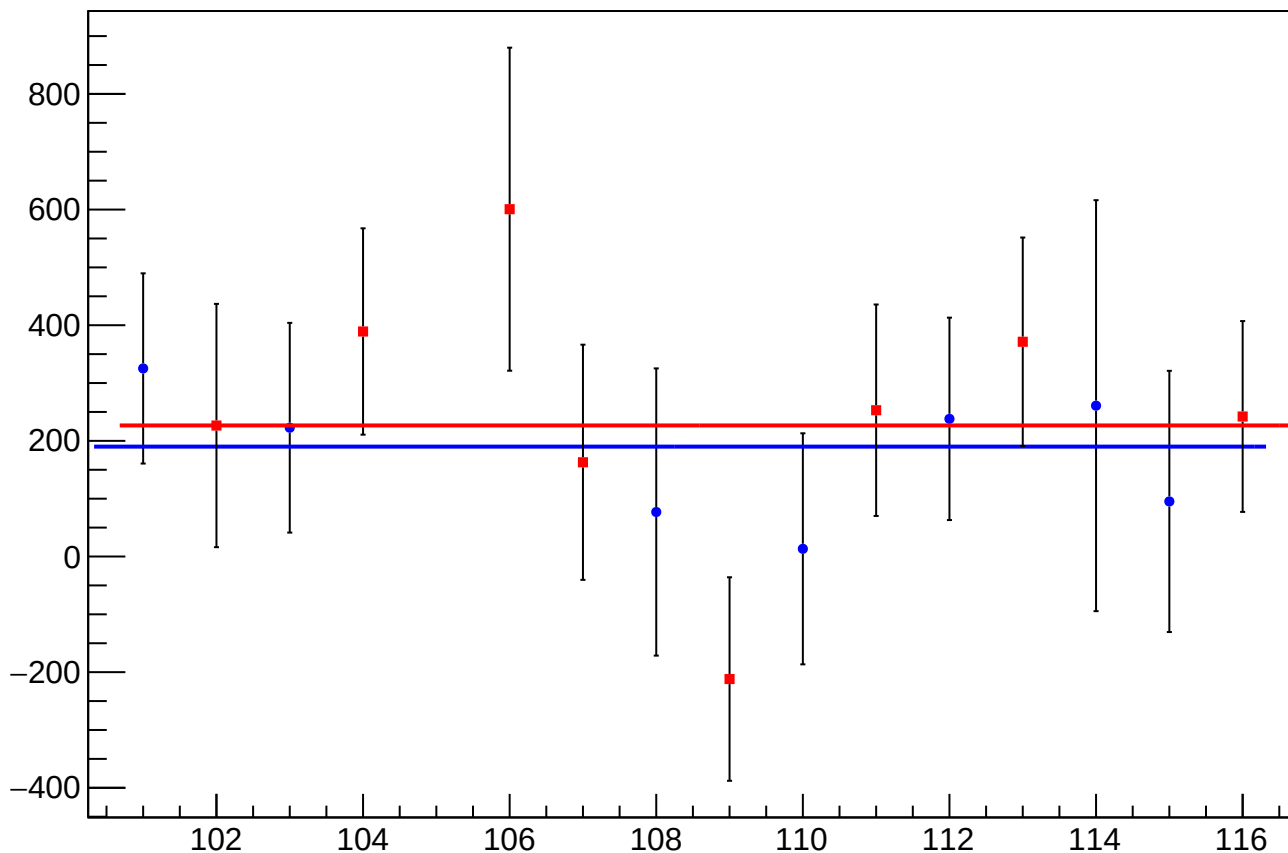
Right: 414.061+/-0.123  $\chi^2/\text{NDF}$ : 575646.8/14

In: 419.470+/-0.189  $\chi^2/\text{NDF}$ : 283337.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 414.061+/-0.123  $\chi^2/\text{NDF}$ : 575646.8/14

dit\_asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 190.041 $\pm$ 76.971  $\chi^2$ /NDF: 2.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 226.671 $\pm$ 67.313  $\chi^2$ /NDF: 9.6/7

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

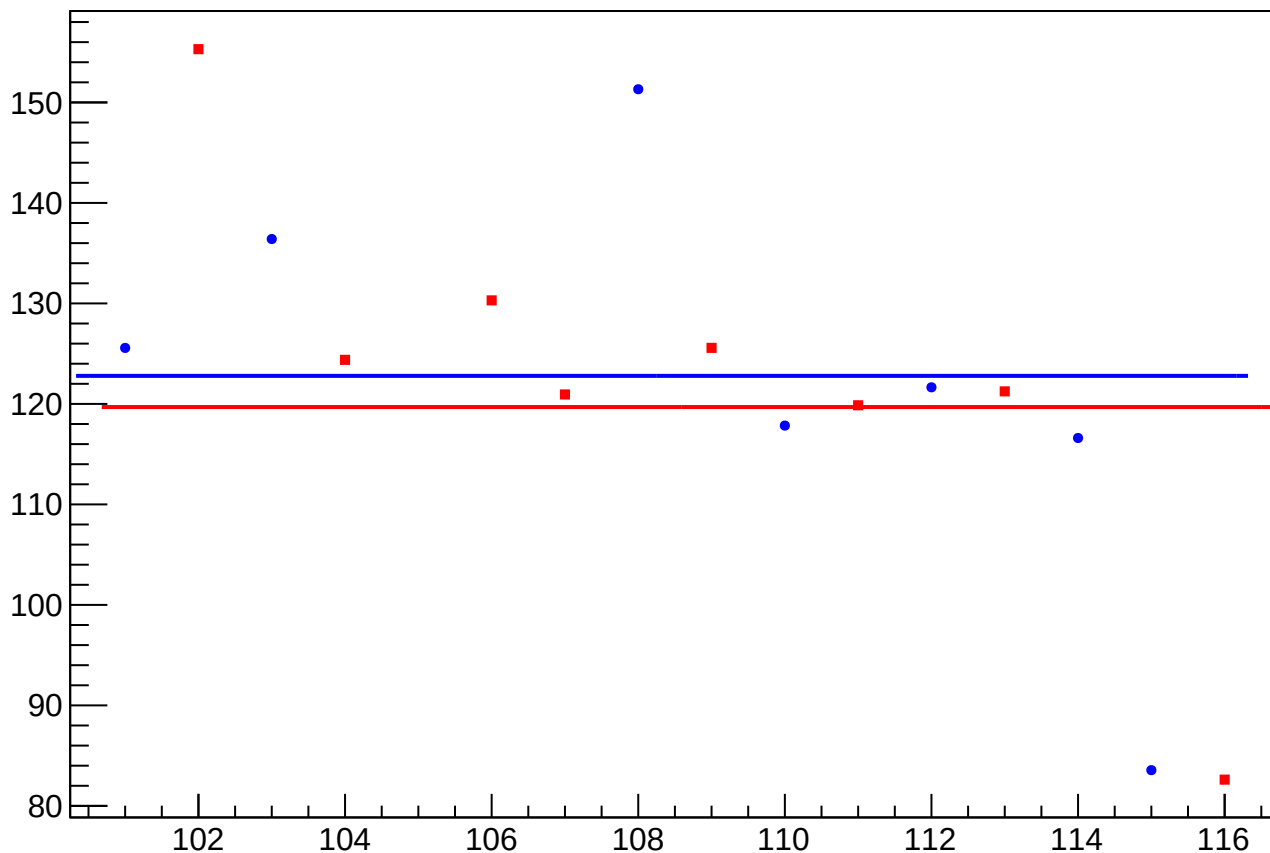
Right: 210.797 $\pm$ 50.670  $\chi^2$ /NDF: 11.7/14

In: 190.041 $\pm$ 76.971  $\chi^2$ /NDF:2.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 210.797 $\pm$ 50.670  $\chi^2$ /NDF: 11.7/14

dit\_asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 122.792 $\pm$ 0.054  $\chi^2$ /NDF: 100485.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 119.688 $\pm$ 0.048  $\chi^2$ /NDF: 165016.5/7

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

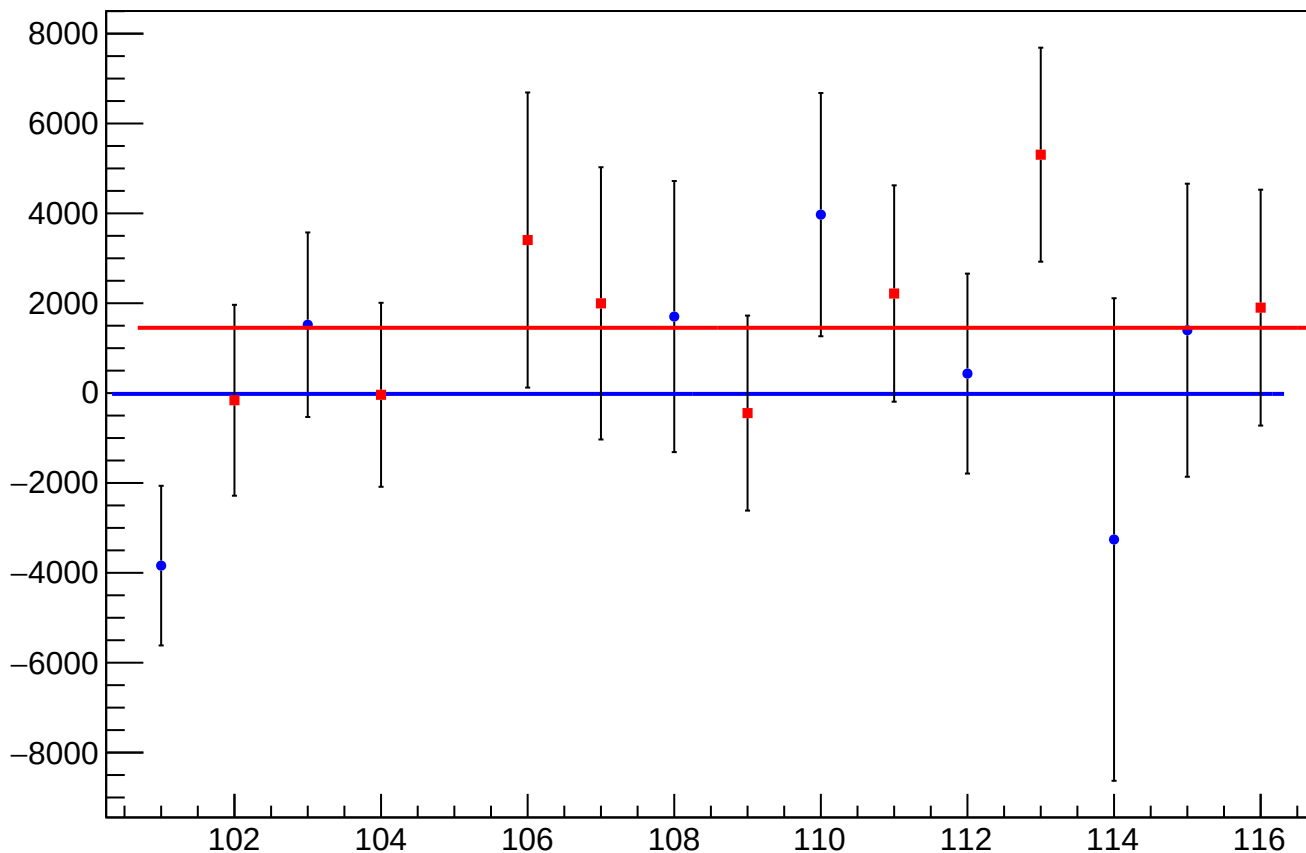
Right: 121.033 $\pm$ 0.036  $\chi^2$ /NDF: 267343.9/14

In: 122.792 $\pm$ 0.054  $\chi^2$ /NDF:100485.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 121.033 $\pm$ 0.036  $\chi^2$ /NDF: 267343.9/14

asym\_sam\_24\_68\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -17.731 $\pm$ 940.225  $\chi^2$ /NDF: 8.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1453.480 $\pm$ 854.947  $\chi^2$ /NDF: 5.0/7

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

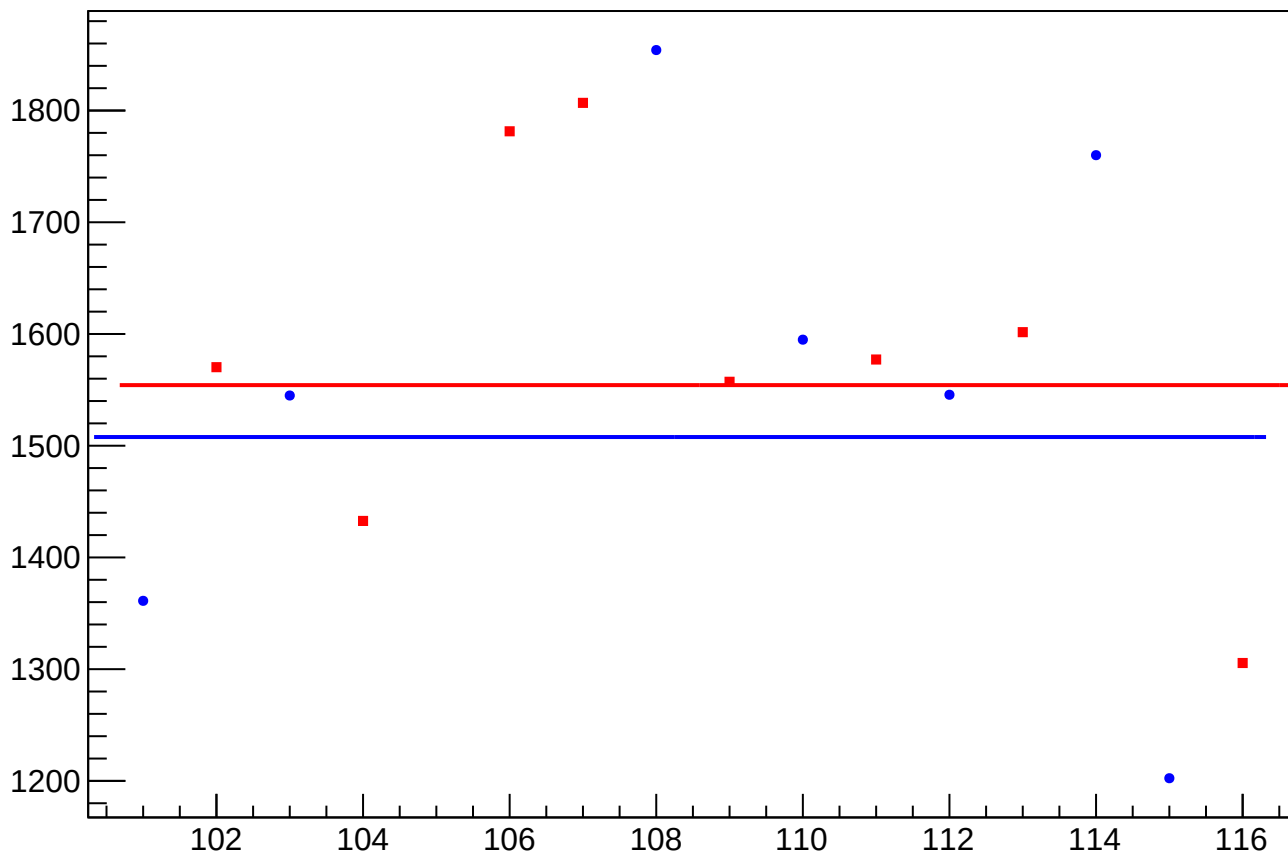
Right: 787.606 $\pm$ 632.544  $\chi^2$ /NDF: 14.6/14

In: -17.731 $\pm$ 940.225  $\chi^2$ /NDF:8.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 787.606 $\pm$ 632.544  $\chi^2$ /NDF: 14.6/14

asym\_sam\_24\_68\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1507.775+/-0.665  $\chi^2/\text{NDF}$ : 65242.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1554.240+/-0.605  $\chi^2/\text{NDF}$ : 49575.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 1533.209+/-0.447  $\chi^2/\text{NDF}$ : 117491.4/14

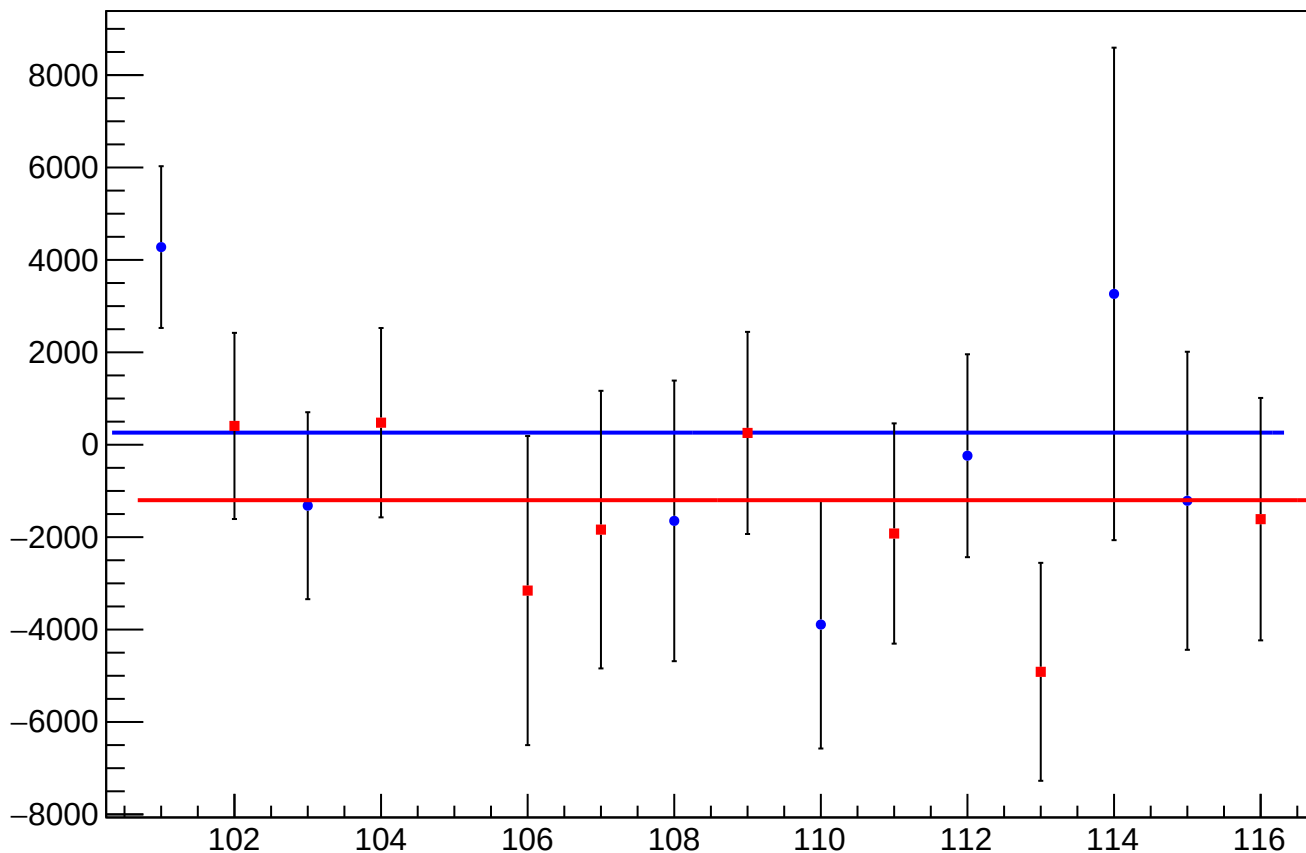
In: 1507.775+/-0.665  $\chi^2/\text{NDF}$ : 65242.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1533.209+/-0.447  $\chi^2/\text{NDF}$ : 117491.4/14



asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 262.169+/-929.706  $\chi^2/\text{NDF}$ : 9.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1200.060+/-846.677  $\chi^2/\text{NDF}$ : 4.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

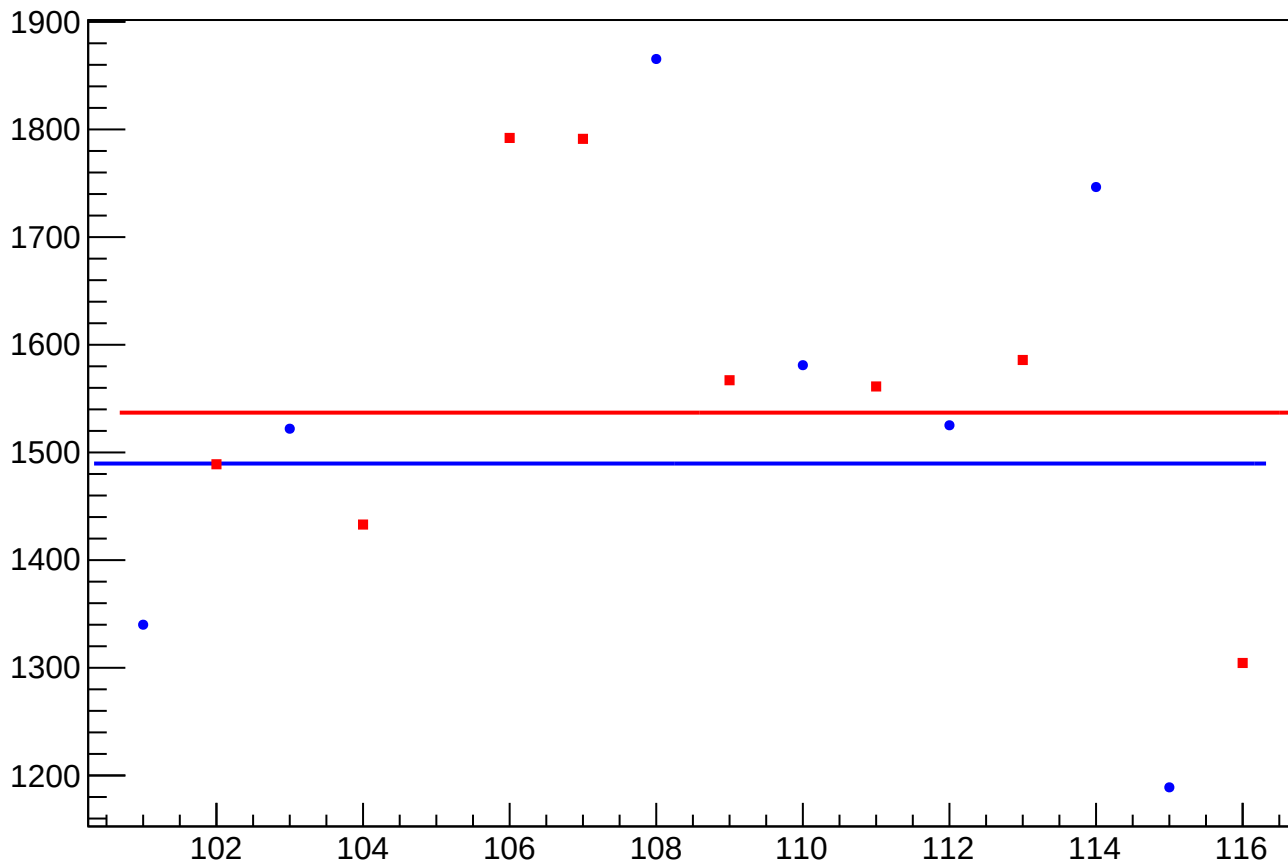
Right: -537.141+/-625.991  $\chi^2/\text{NDF}$ : 15.3/14

In: 262.169+/-929.706  $\chi^2/\text{NDF}$ : 9.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -537.141+/-625.991  $\chi^2/\text{NDF}$ : 15.3/14

asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 1489.701+/-0.657  $\chi^2/\text{NDF}$ : 70633.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1536.975+/-0.599  $\chi^2/\text{NDF}$ : 49403.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

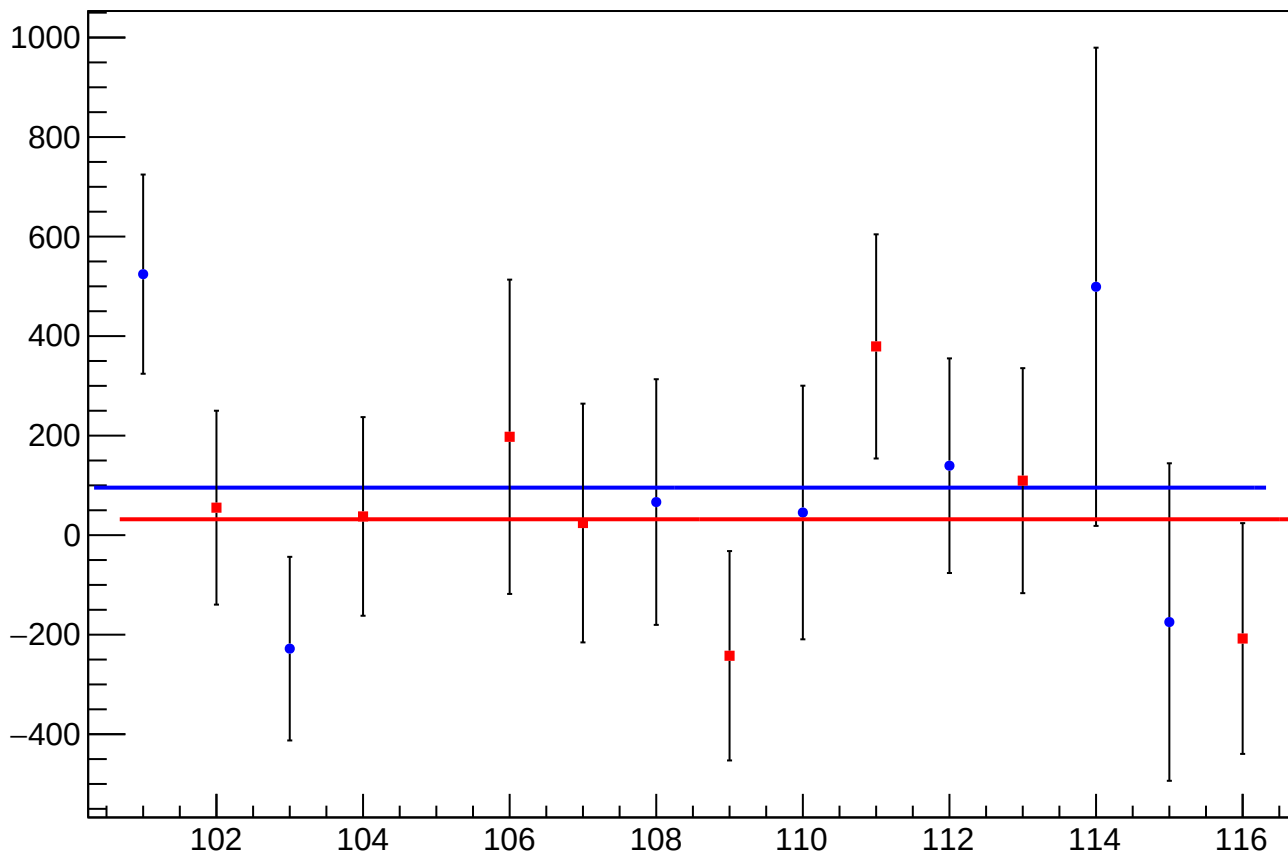
Right: 1515.543+/-0.443  $\chi^2/\text{NDF}$ : 122863.6/14

In: 1489.701+/-0.657  $\chi^2/\text{NDF}$ : 70633.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1515.543+/-0.443  $\chi^2/\text{NDF}$ : 122863.6/14

dit\_asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 95.485+/-90.608  $\chi^2/\text{NDF}$ : 9.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 31.905+/-79.225  $\chi^2/\text{NDF}$ : 5.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

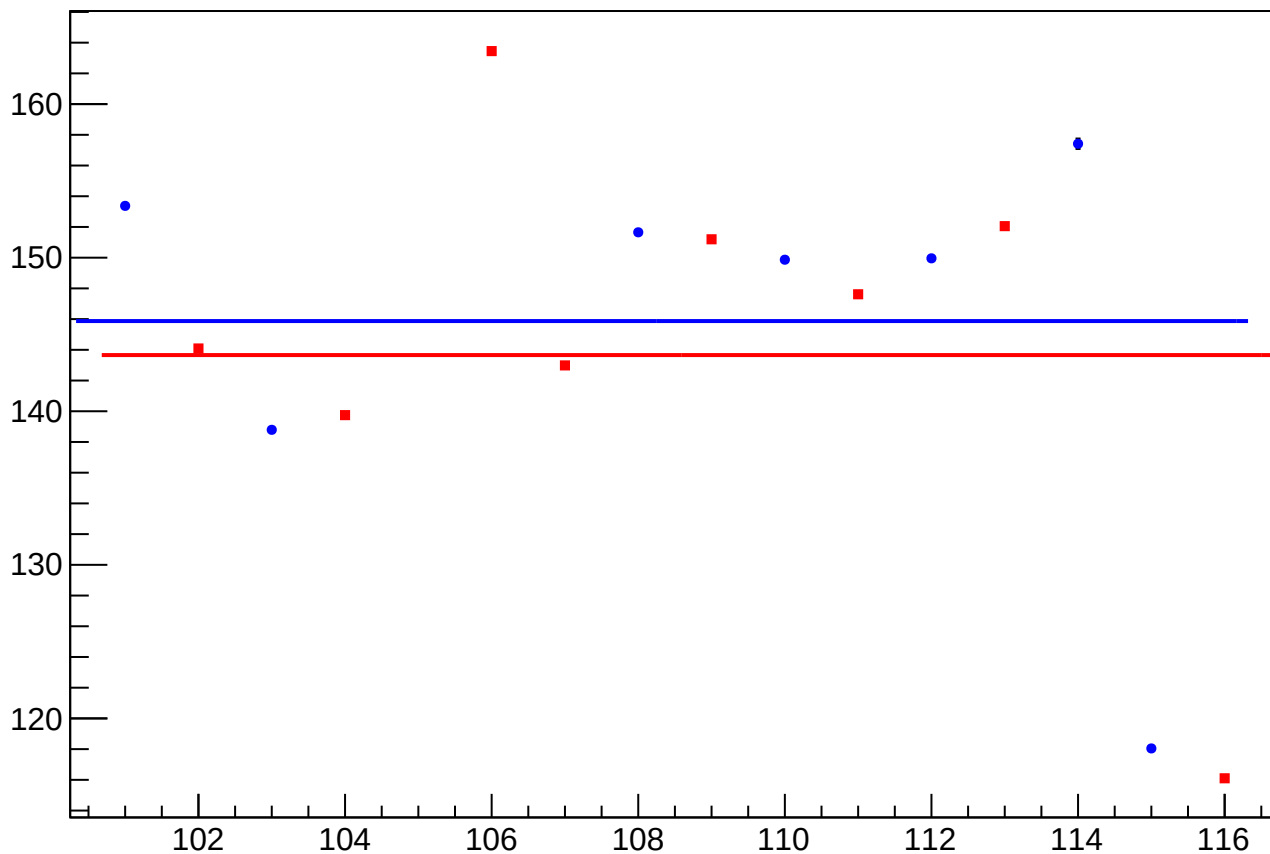
Right: 59.453+/-59.642  $\chi^2/\text{NDF}$ : 15.0/14

In: 95.485+/-90.608  $\chi^2/\text{NDF}$ : 9.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 59.453+/-59.642  $\chi^2/\text{NDF}$ : 15.0/14

dit\_asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 145.873+/-0.064  $\chi^2/\text{NDF}$ : 24431.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 143.658+/-0.056  $\chi^2/\text{NDF}$ : 42840.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

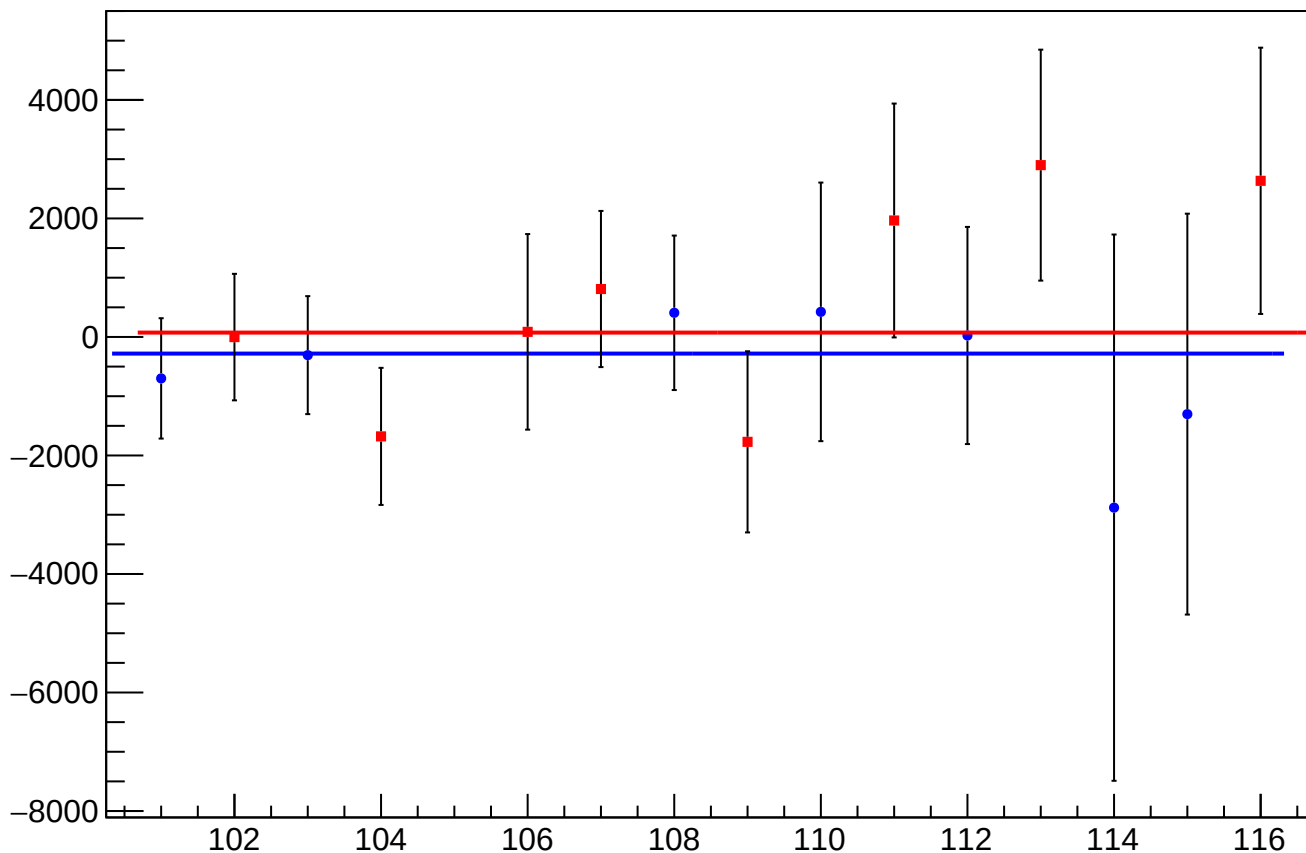
Right: 144.618+/-0.042  $\chi^2/\text{NDF}$ : 67948.0/14

In: 145.873+/-0.064  $\chi^2/\text{NDF}$ : 24431.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 144.618+/-0.042  $\chi^2/\text{NDF}$ : 67948.0/14

asym\_sam\_26\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -280.631+/-558.182  $\chi^2/\text{NDF}$ : 1.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 73.774+/-518.866  $\chi^2/\text{NDF}$ : 8.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

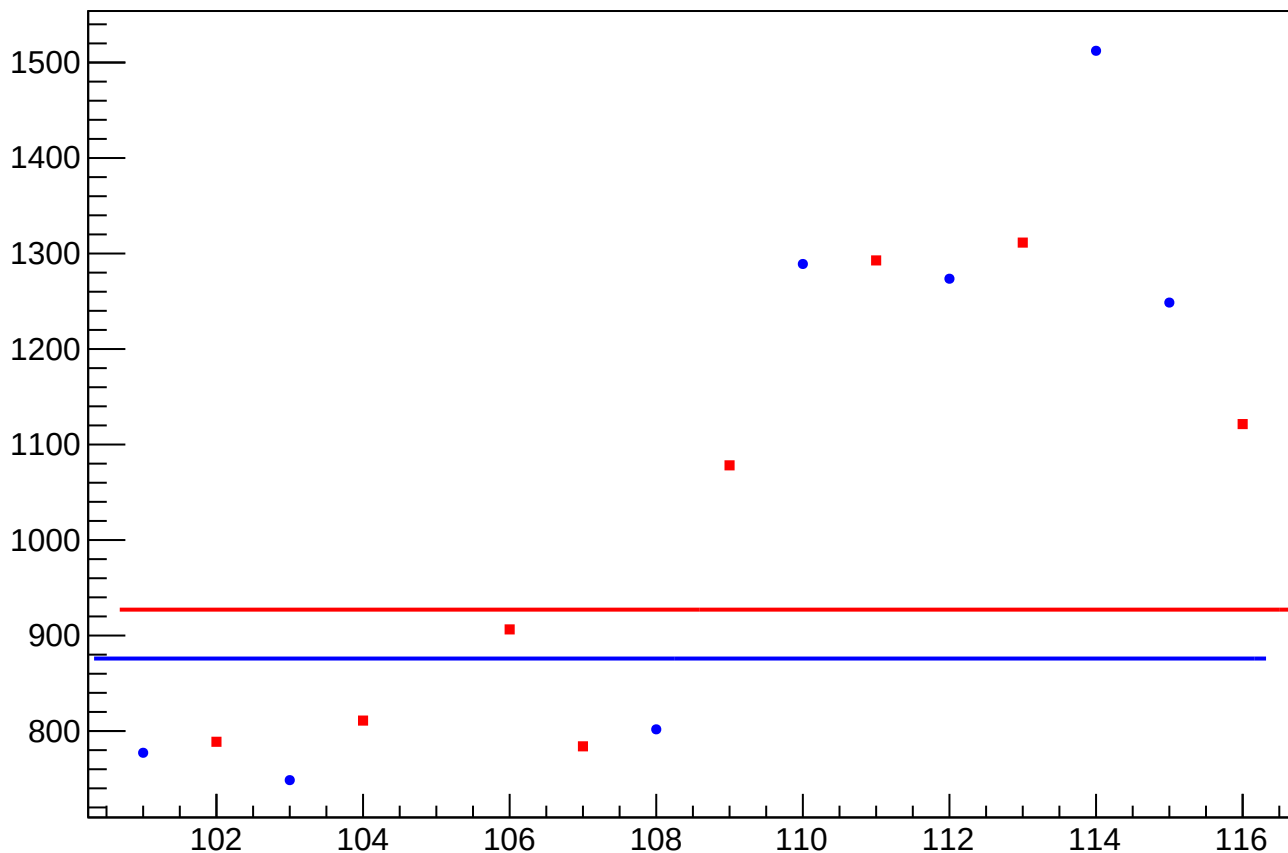
Right: -90.509+/-380.034  $\chi^2/\text{NDF}$ : 9.6/14

In: -280.631+/-558.182  $\chi^2/\text{NDF}$ :1.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -90.509+/-380.034  $\chi^2/\text{NDF}$ : 9.6/14

asym\_sam\_26\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 875.919+/-0.395  $\chi^2/\text{NDF}$ : 286384.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 927.119+/-0.367  $\chi^2/\text{NDF}$ : 258648.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

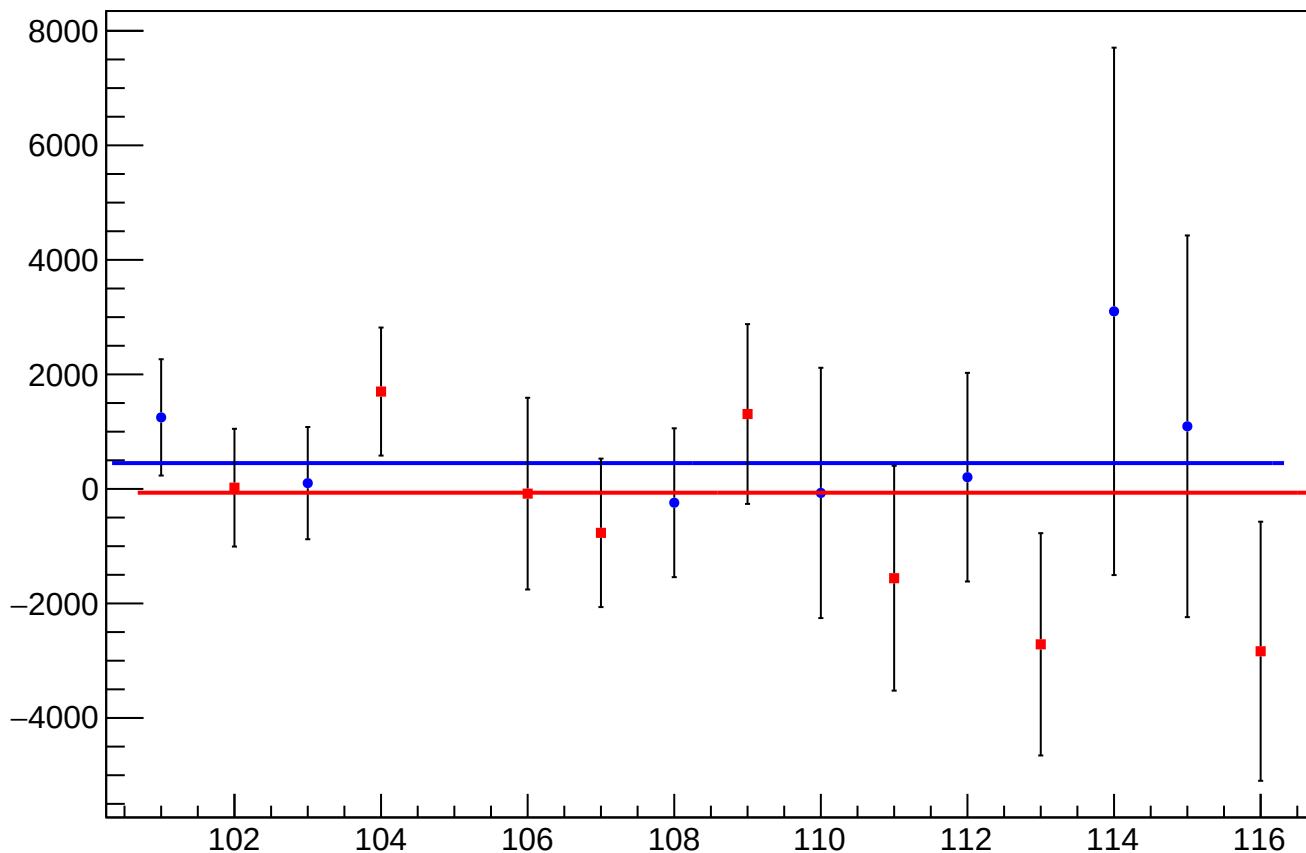
Right: 903.386+/-0.269  $\chi^2/\text{NDF}$ : 554060.5/14

In: 875.919+/-0.395  $\chi^2/\text{NDF}$ : 286384.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 903.386+/-0.269  $\chi^2/\text{NDF}$ : 554060.5/14

asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 451.067+/-554.649  $\chi^2/\text{NDF}$ : 1.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -66.154+/-511.394  $\chi^2/\text{NDF}$ : 7.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

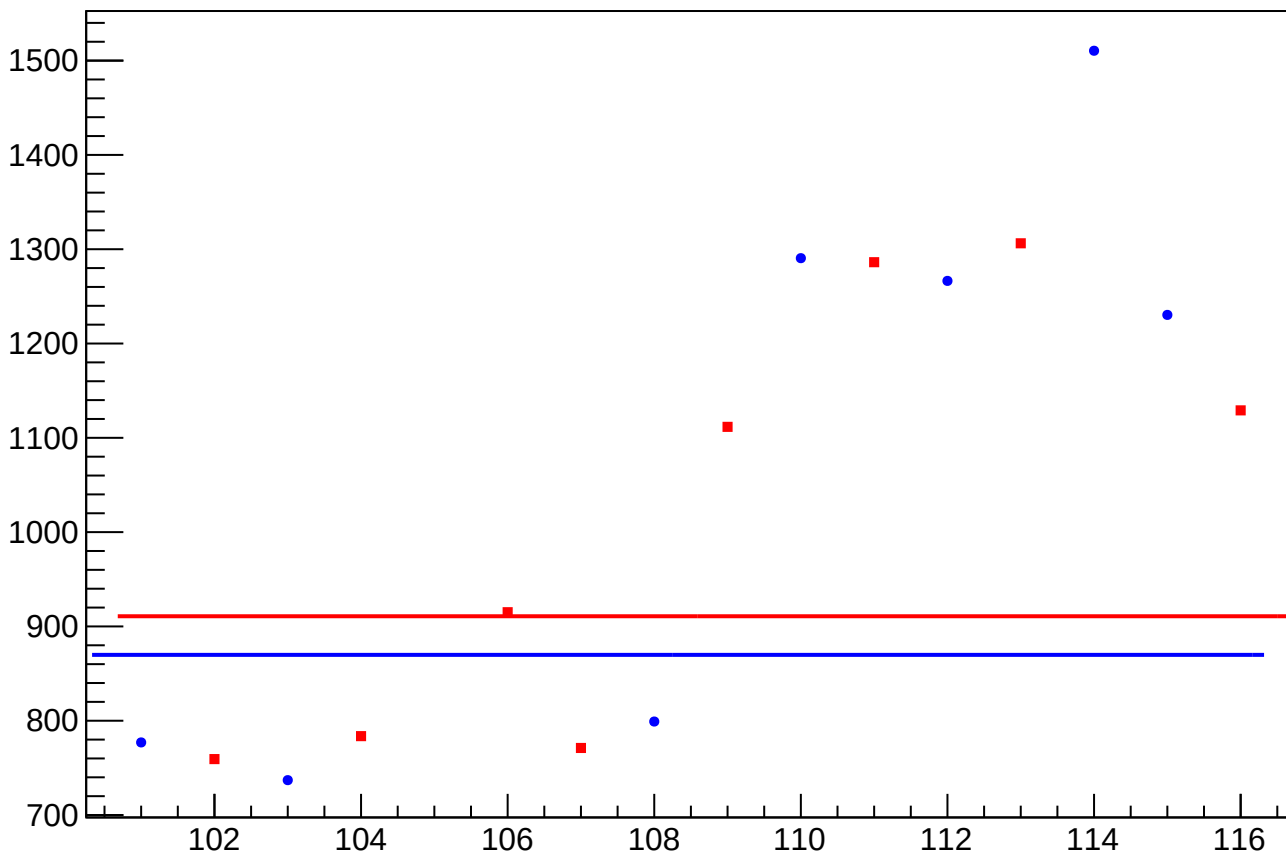
Right: 171.505+/-375.973  $\chi^2/\text{NDF}$ : 9.4/14

In: 451.067+/-554.649  $\chi^2/\text{NDF}$ : 1.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 171.505+/-375.973  $\chi^2/\text{NDF}$ : 9.4/14

asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 869.844+/-0.392  $\chi^2/\text{NDF}$ : 290343.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 910.790+/-0.362  $\chi^2/\text{NDF}$ : 300029.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 891.976+/-0.266  $\chi^2/\text{NDF}$ : 596265.2/14

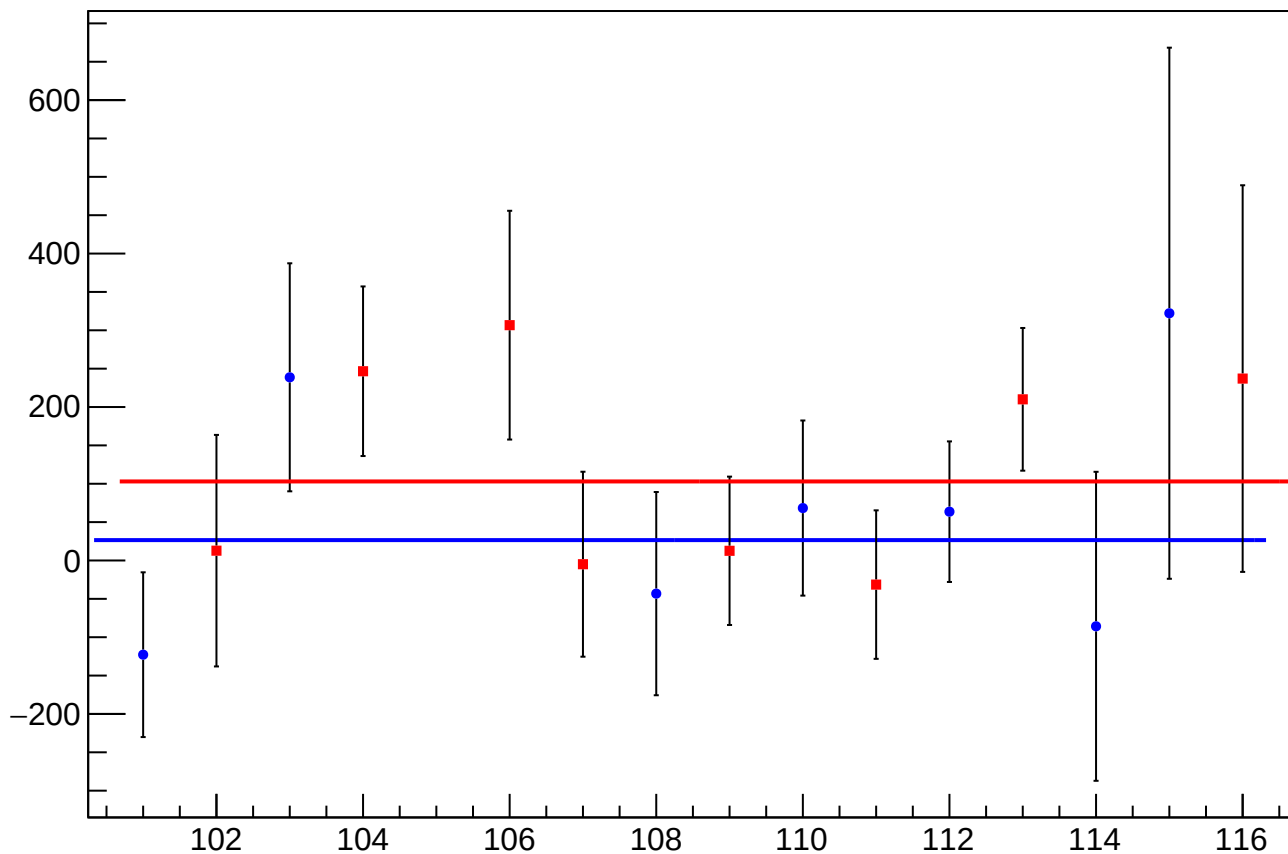
In: 869.844+/-0.392  $\chi^2/\text{NDF}$ : 290343.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 891.976+/-0.266  $\chi^2/\text{NDF}$ : 596265.2/14



dit\_asym\_sam\_1548\_avg\_mean vs Slug, Sign Corrected



Right In: 26.550+/-48.909  $\chi^2/\text{NDF}$ : 5.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 103.004+/-41.352  $\chi^2/\text{NDF}$ : 9.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

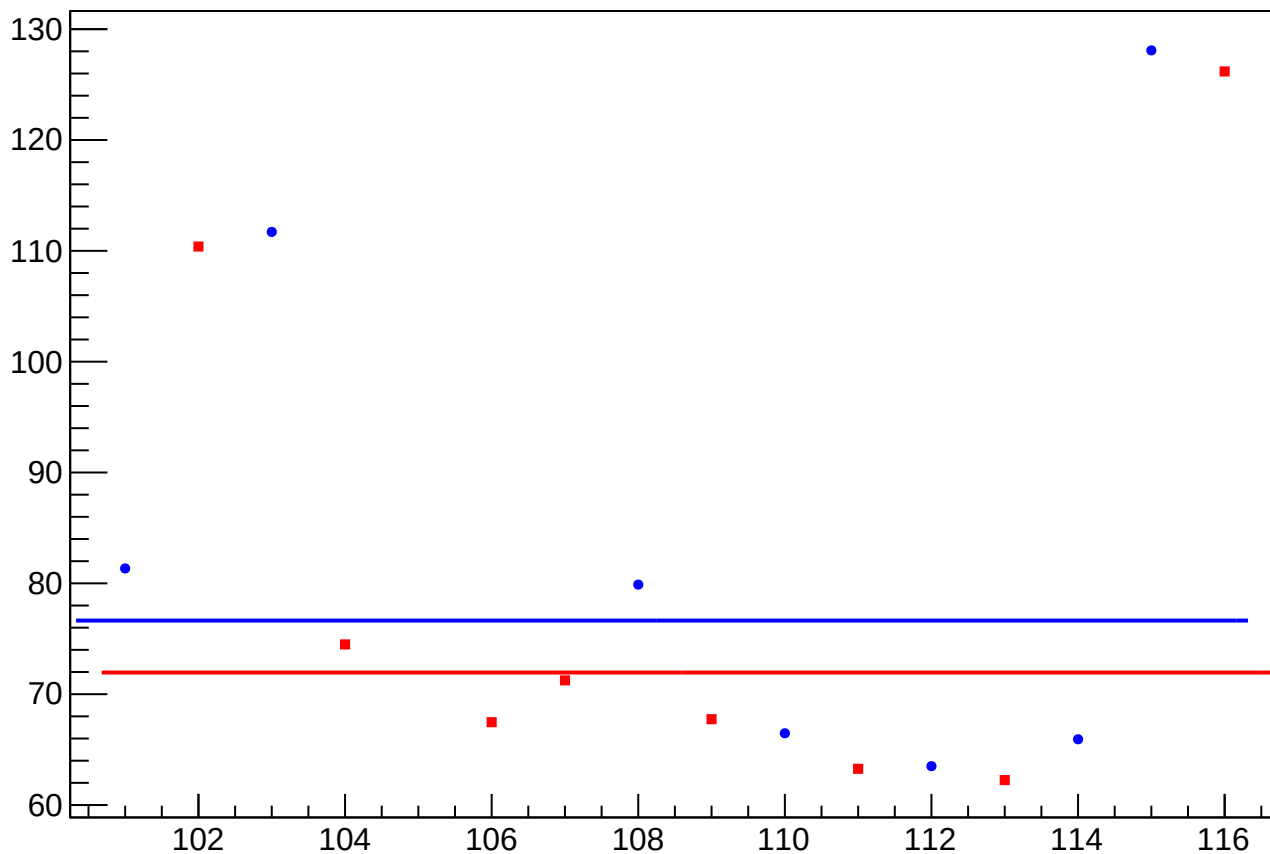
Right: 71.134+/-31.578  $\chi^2/\text{NDF}$ : 16.1/14

In: 26.550+/-48.909  $\chi^2/\text{NDF}$ : 5.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 71.134+/-31.578  $\chi^2/\text{NDF}$ : 16.1/14

dit\_asym\_sam\_1548\_avg\_rms vs Slug, Sign Corrected



Right In: 76.642 $\pm$ 0.035  $\chi^2$ /NDF: 223278.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 71.953 $\pm$ 0.029  $\chi^2$ /NDF: 267058.3/7

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

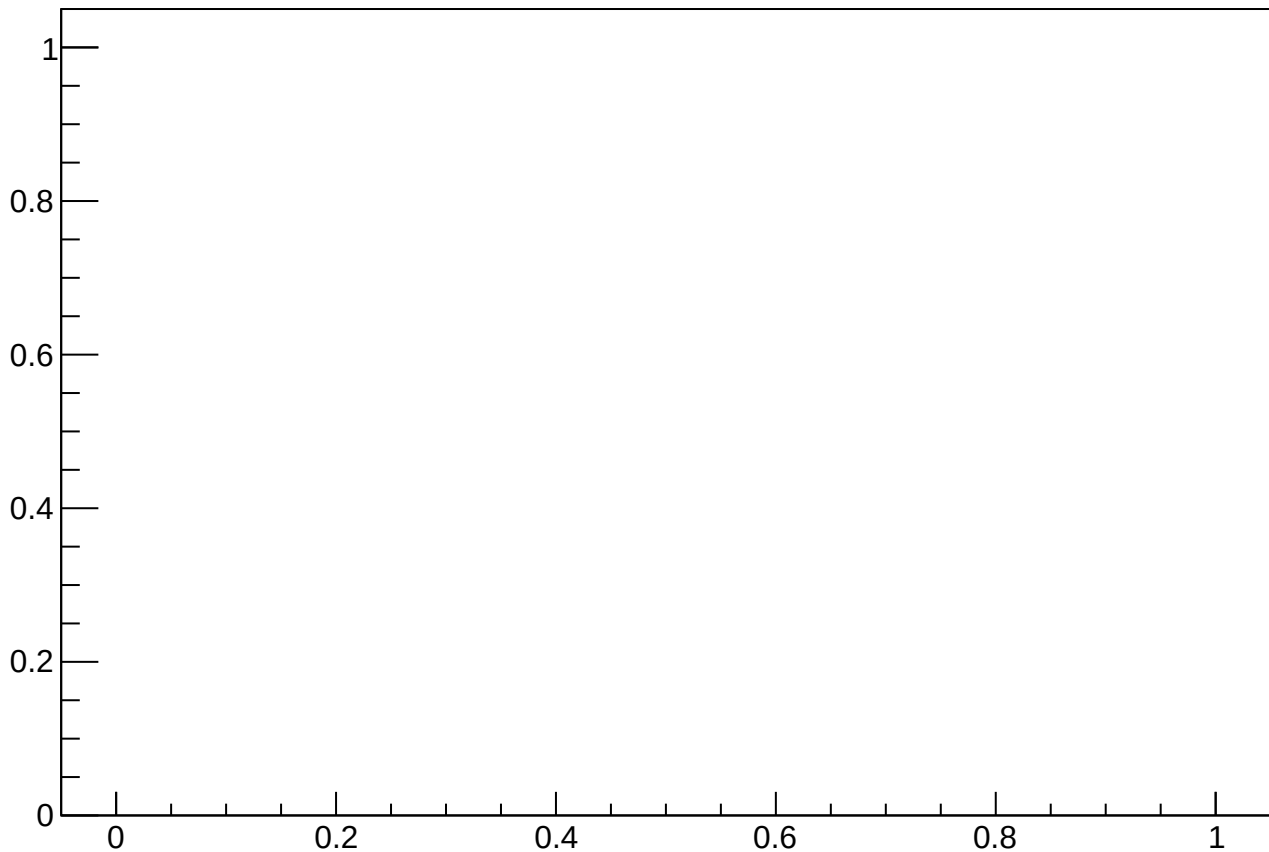
Right: 73.908 $\pm$ 0.022  $\chi^2$ /NDF: 501055.2/14

In: 76.642 $\pm$ 0.035  $\chi^2$ /NDF:223278.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 73.908 $\pm$ 0.022  $\chi^2$ /NDF: 501055.2/14

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

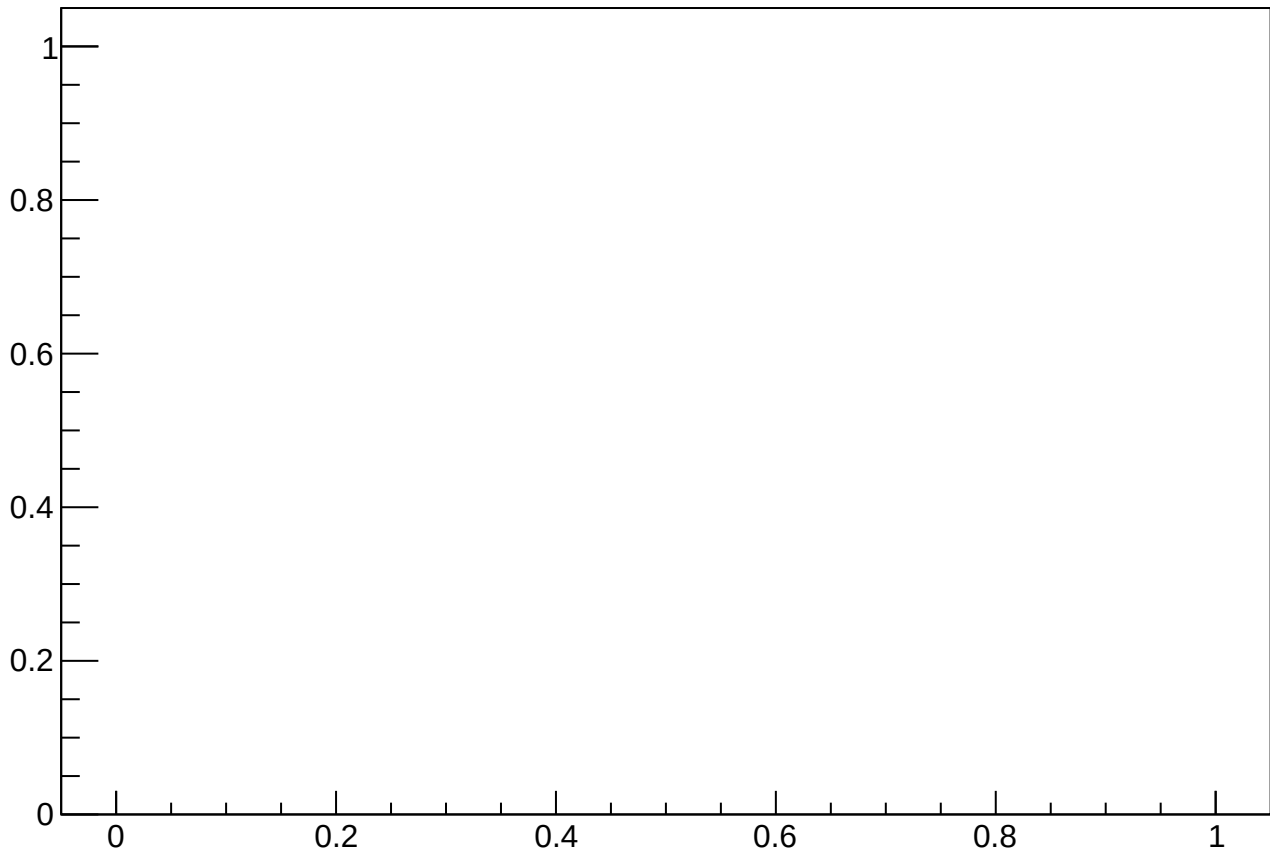
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

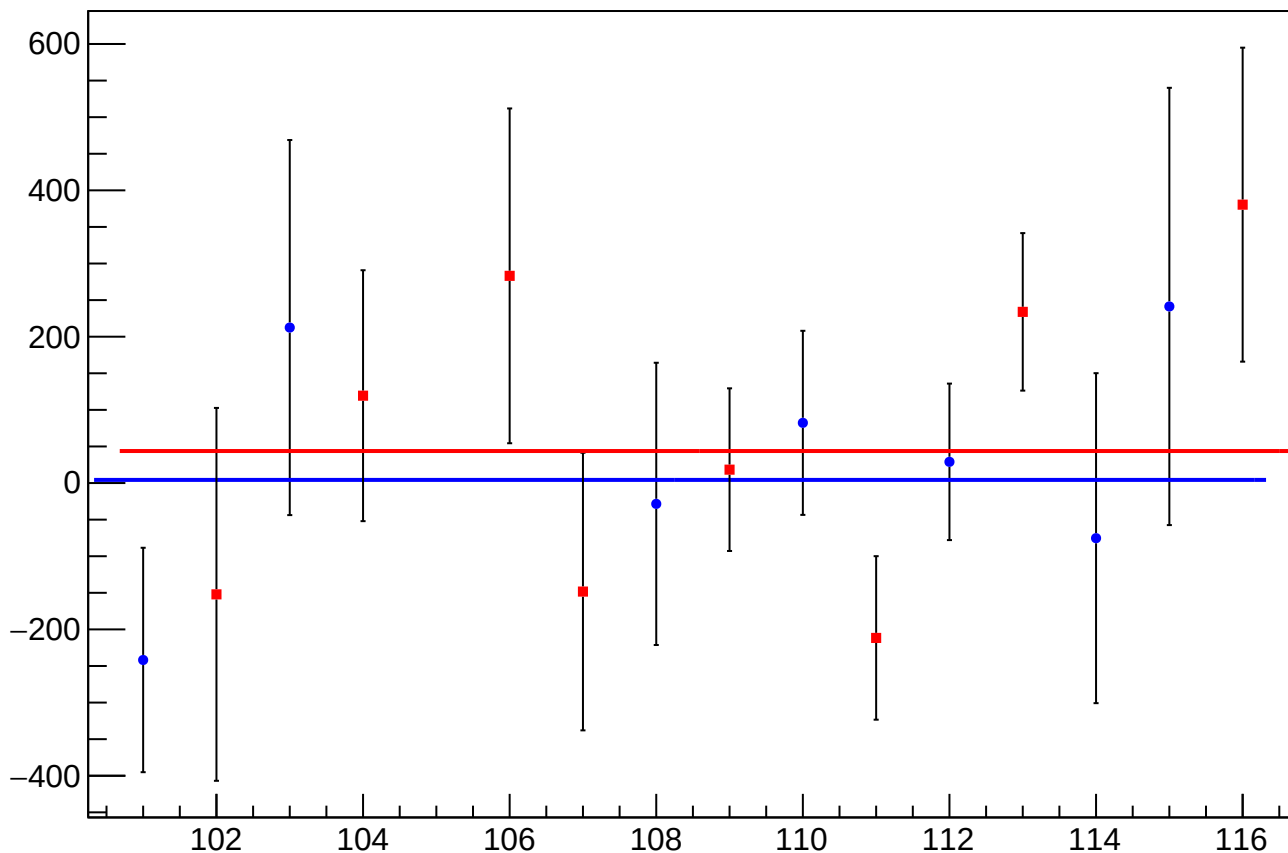
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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: 4.293+/-61.291  $\chi^2/\text{NDF}$ : 4.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 43.762+/-52.309  $\chi^2/\text{NDF}$ : 13.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

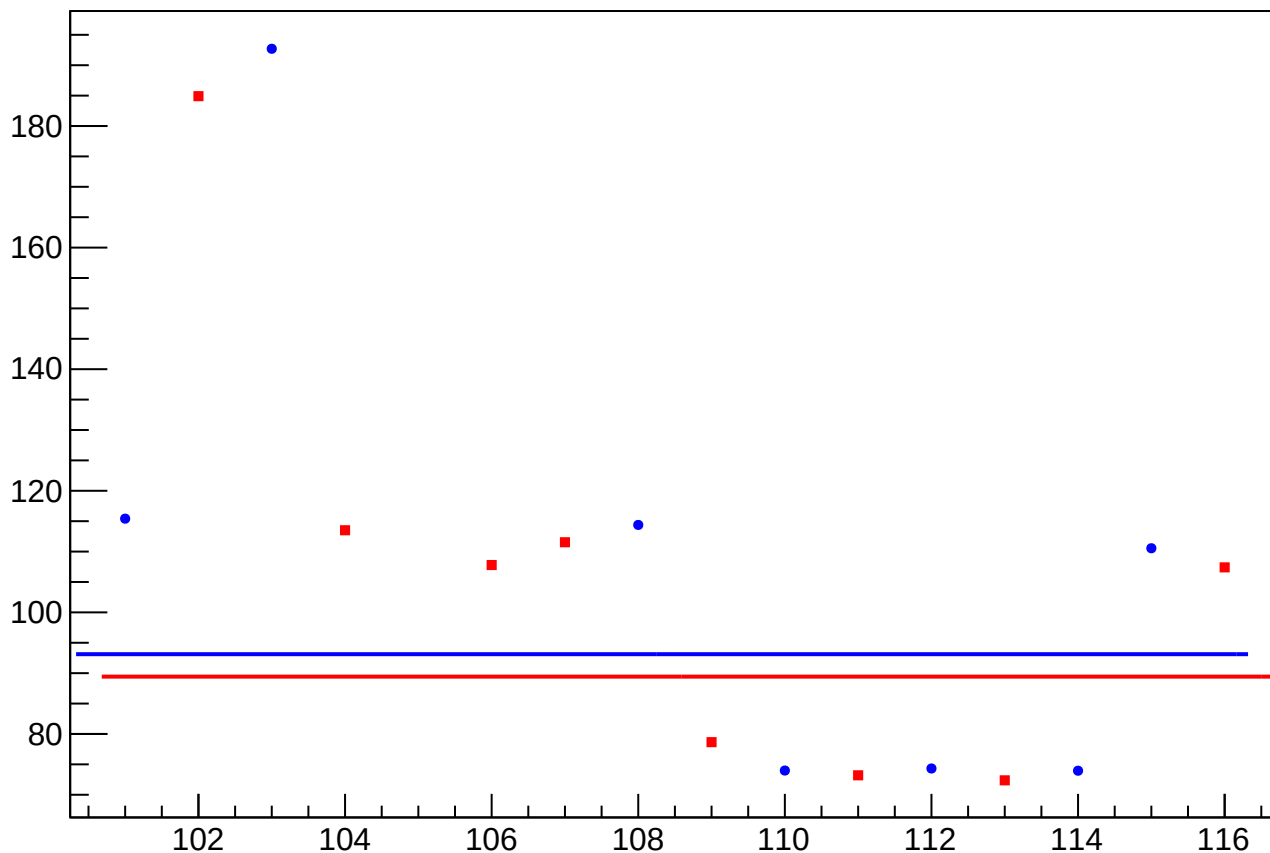
Right: 27.129+/-39.788  $\chi^2/\text{NDF}$ : 18.5/14

In: 4.293+/-61.291  $\chi^2/\text{NDF}$ :4.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 27.129+/-39.788  $\chi^2/\text{NDF}$ : 18.5/14

dit\_asym\_sam\_3748\_avg\_rms vs Slug, Sign Corrected



Right In: 93.121+/-0.043  $\chi^2/\text{NDF}$ : 497944.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 89.431+/-0.037  $\chi^2/\text{NDF}$ : 485653.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 90.986+/-0.028  $\chi^2/\text{NDF}$ : 987793.2/14

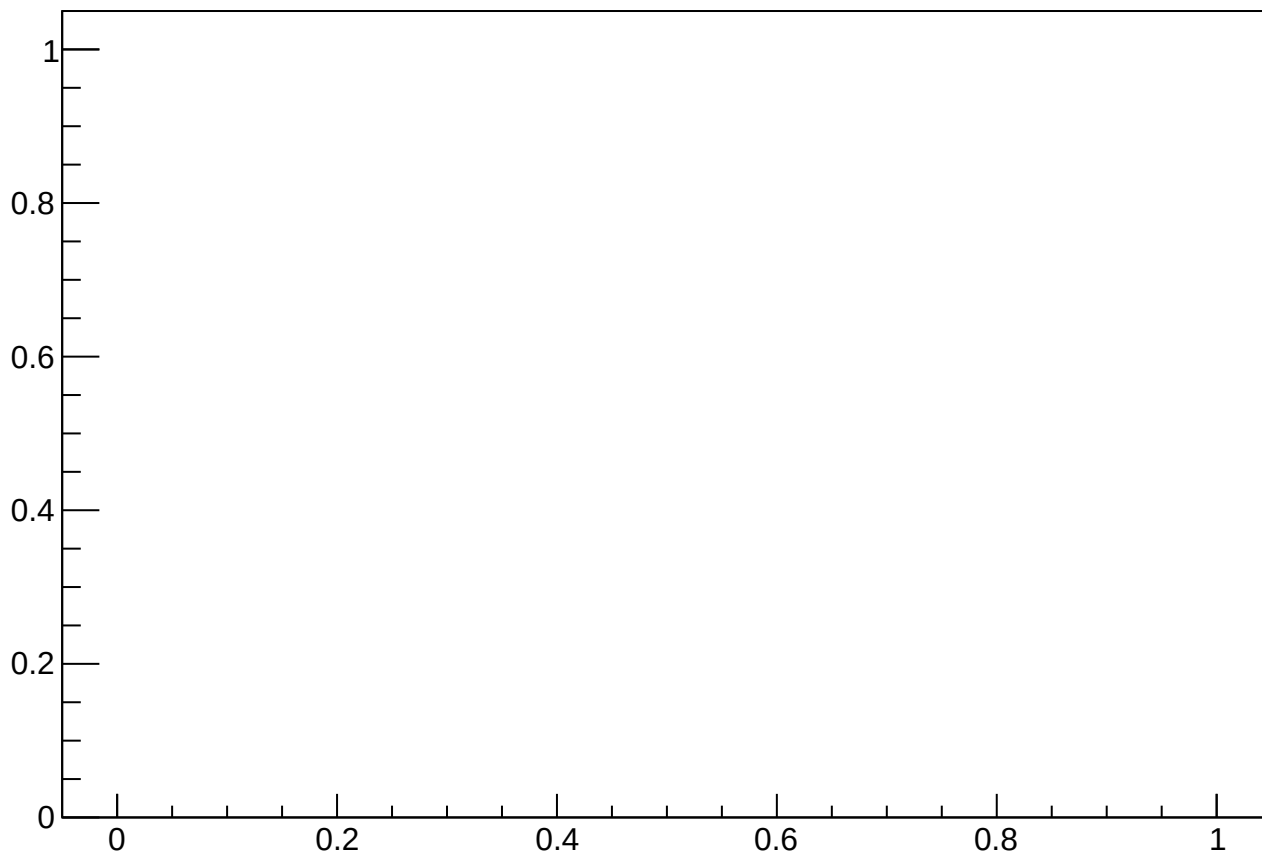
In: 93.121+/-0.043  $\chi^2/\text{NDF}$ : 497944.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 90.986+/-0.028  $\chi^2/\text{NDF}$ : 987793.2/14



asym\_sam\_3748\_avg\_correction\_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

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

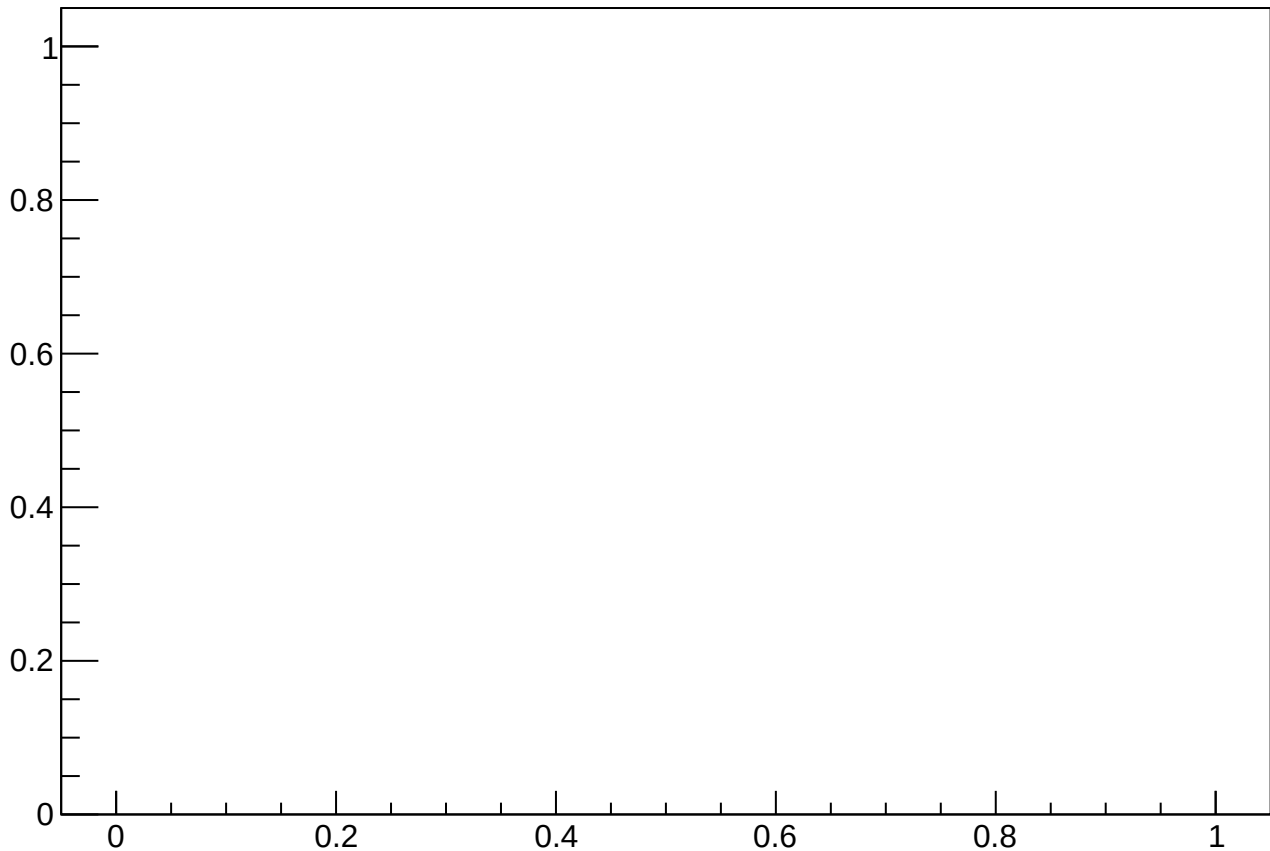
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

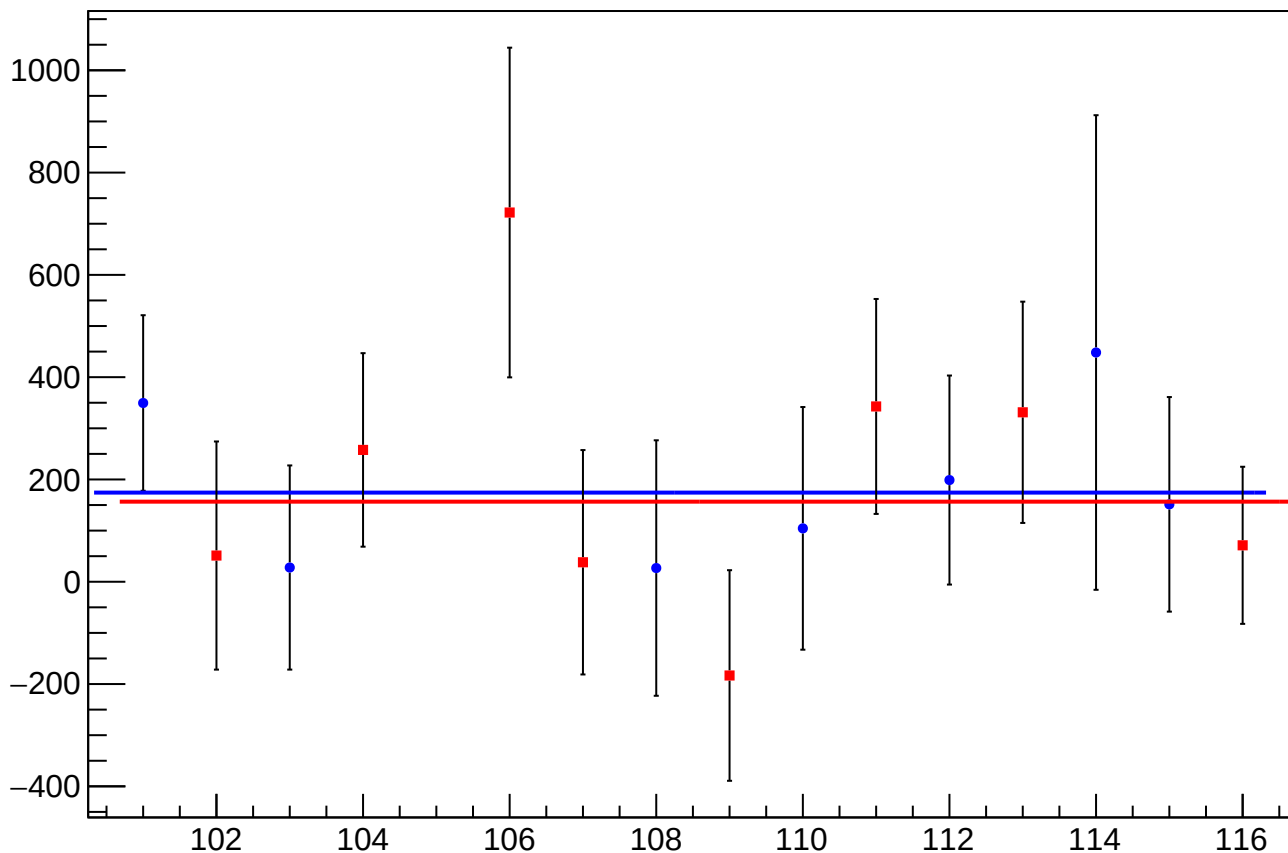
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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: 174.326+/-83.285  $\chi^2/\text{NDF}$ : 2.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 156.605+/-72.845  $\chi^2/\text{NDF}$ : 8.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

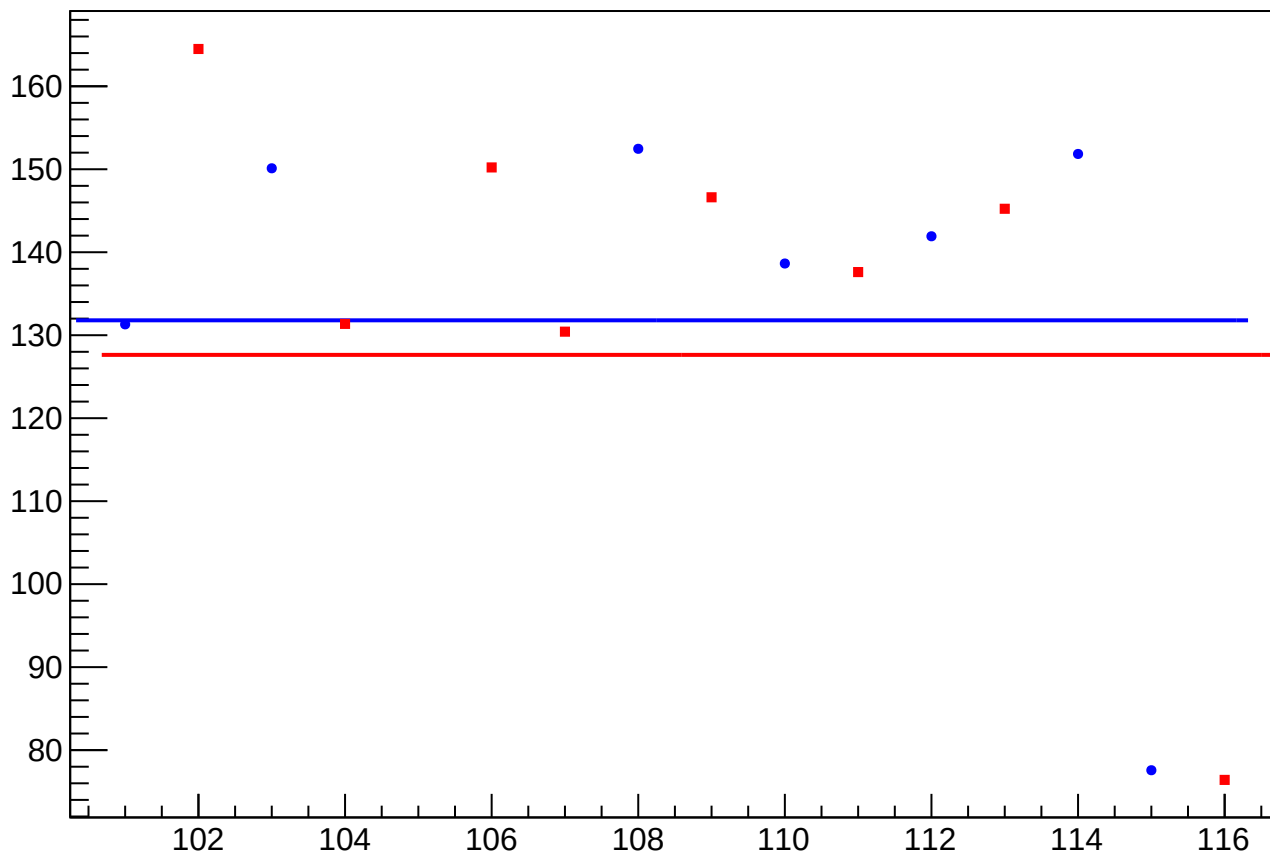
Right: 164.286+/-54.831  $\chi^2/\text{NDF}$ : 10.8/14

In: 174.326+/-83.285  $\chi^2/\text{NDF}$ : 2.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 164.286+/-54.831  $\chi^2/\text{NDF}$ : 10.8/14

dit\_asym\_sam\_1526\_avg\_rms vs Slug, Sign Corrected



Right In: 131.795+/-0.059  $\chi^2/\text{NDF}$ : 174488.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 127.630+/-0.052  $\chi^2/\text{NDF}$ : 322787.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 129.435+/-0.039  $\chi^2/\text{NDF}$ : 500110.2/14

In: 131.795+/-0.059  $\chi^2/\text{NDF}$ :174488.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 129.435+/-0.039  $\chi^2/\text{NDF}$ : 500110.2/14

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

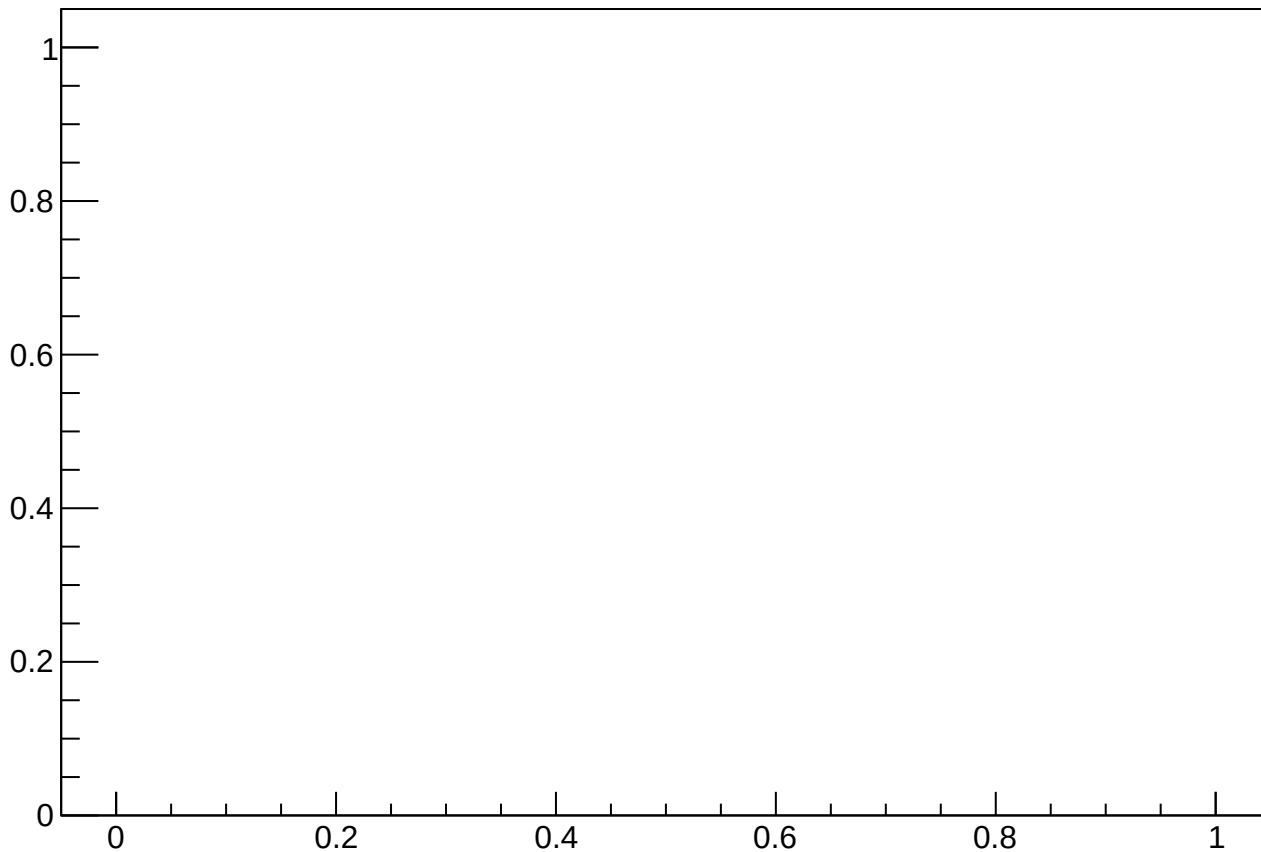
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

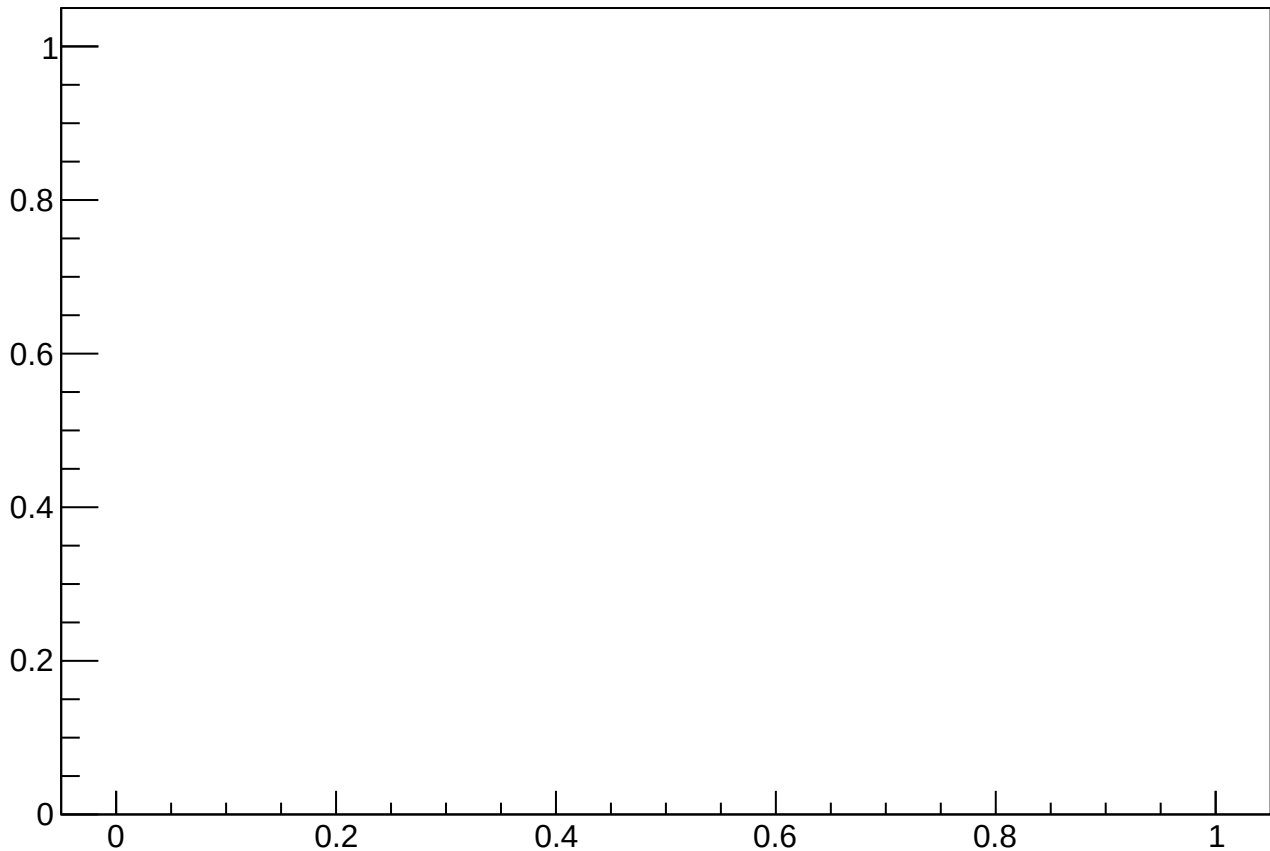
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

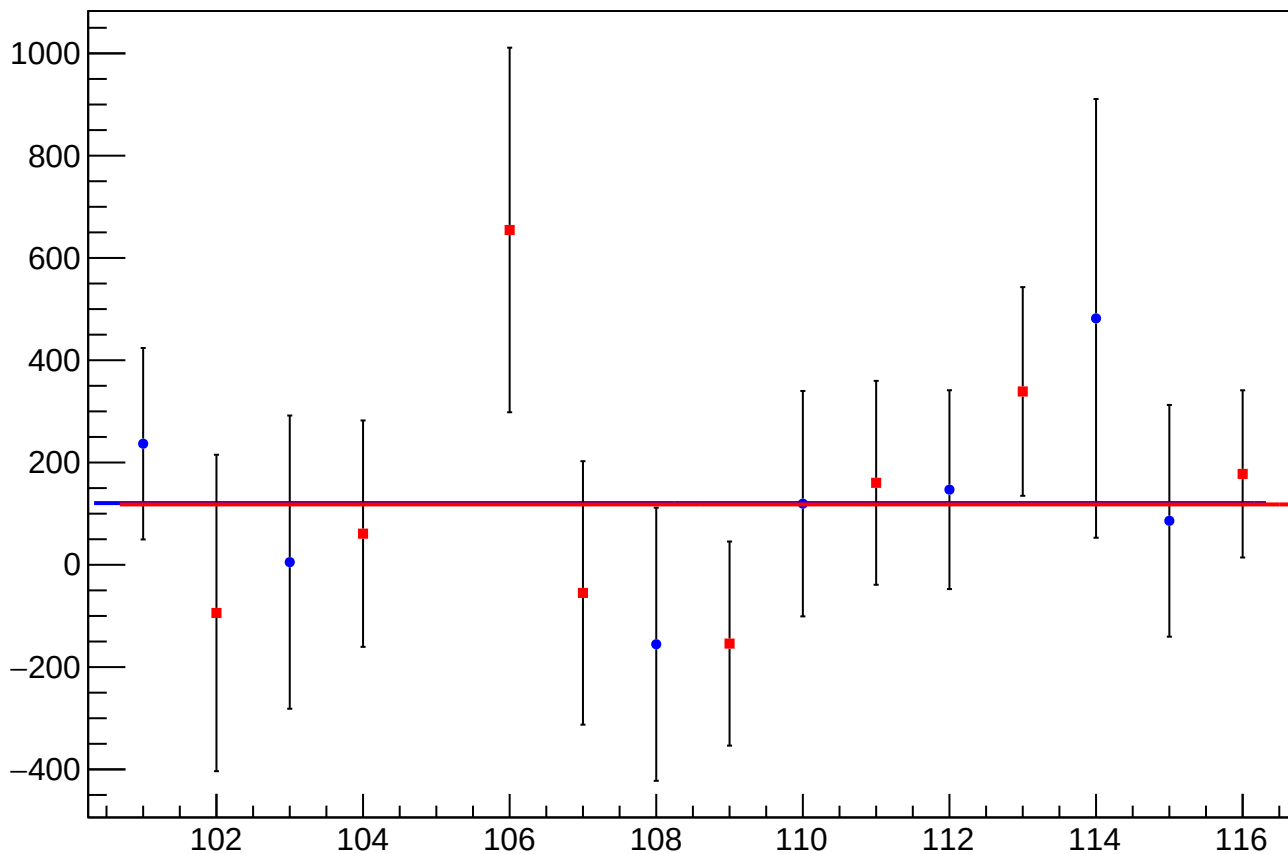
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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: 120.677 $\pm$ 88.840  $\chi^2$ /NDF: 2.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 118.081 $\pm$ 77.723  $\chi^2$ /NDF: 6.5/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

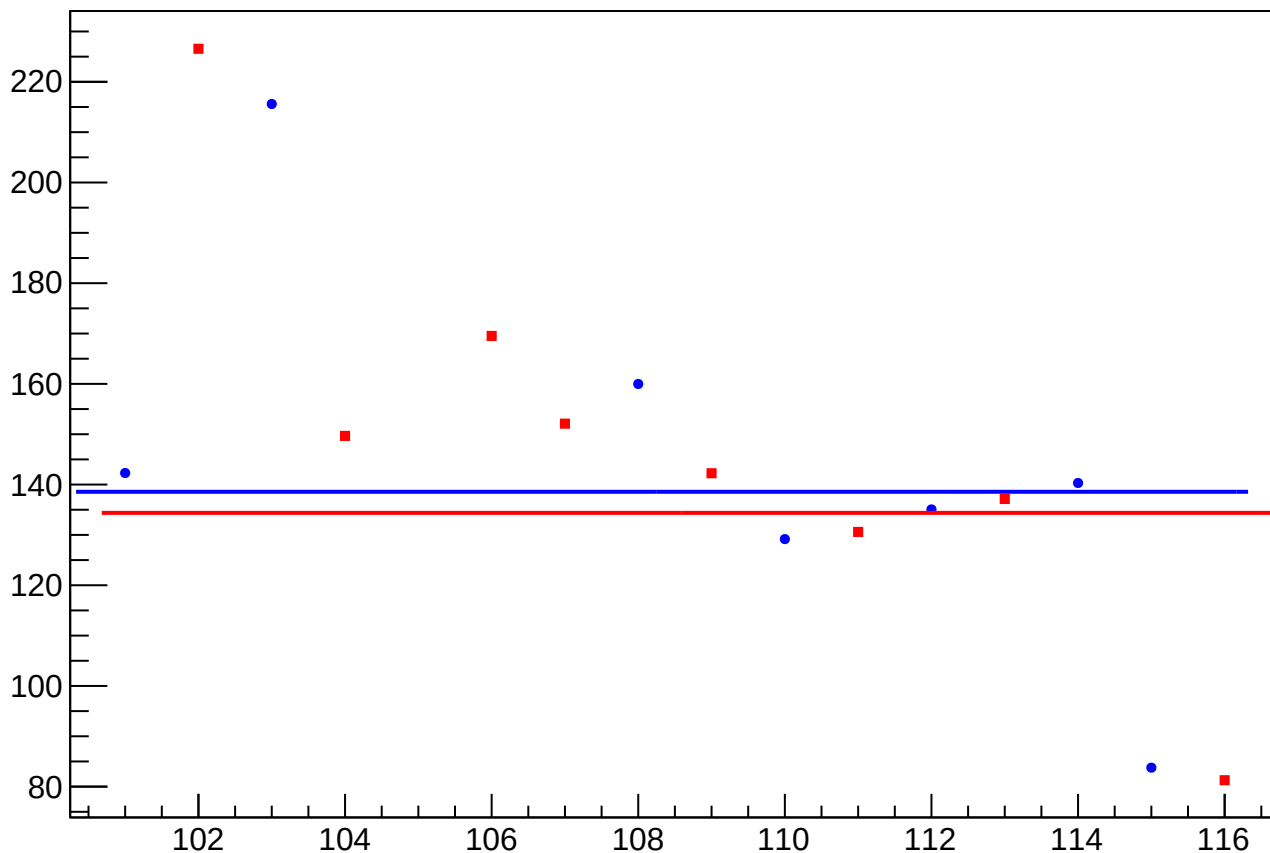
Right: 119.207 $\pm$ 58.497  $\chi^2$ /NDF: 8.8/14

In: 120.677 $\pm$ 88.840  $\chi^2$ /NDF: 2.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 119.207 $\pm$ 58.497  $\chi^2$ /NDF: 8.8/14

dit\_asym\_sam\_3726\_avg\_rms vs Slug, Sign Corrected



Right In: 138.567 $\pm$ 0.063  $\chi^2$ /NDF: 279346.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 134.379 $\pm$ 0.055  $\chi^2$ /NDF: 431278.4/7

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

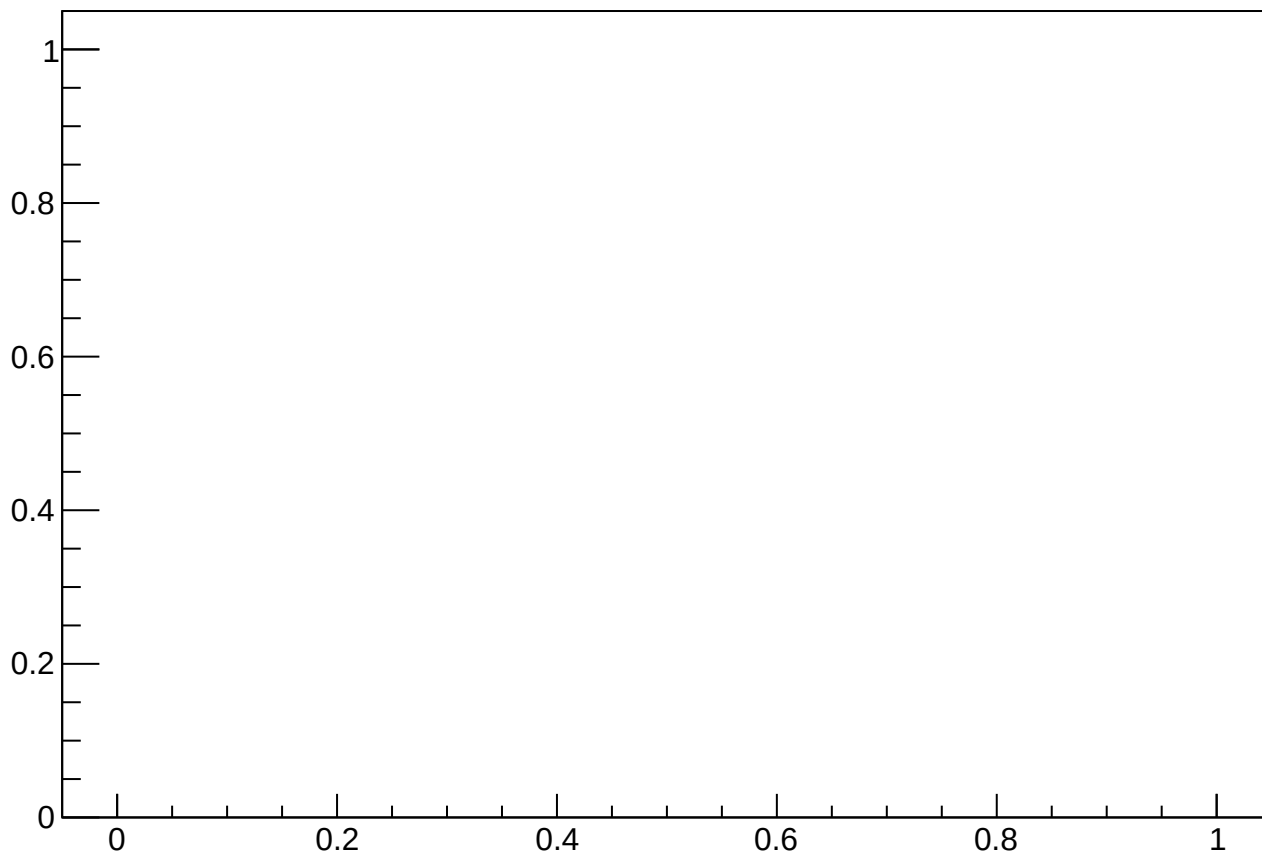
Right: 136.194 $\pm$ 0.041  $\chi^2$ /NDF: 713142.8/14

In: 138.567 $\pm$ 0.063  $\chi^2$ /NDF:279346.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 136.194 $\pm$ 0.041  $\chi^2$ /NDF: 713142.8/14

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

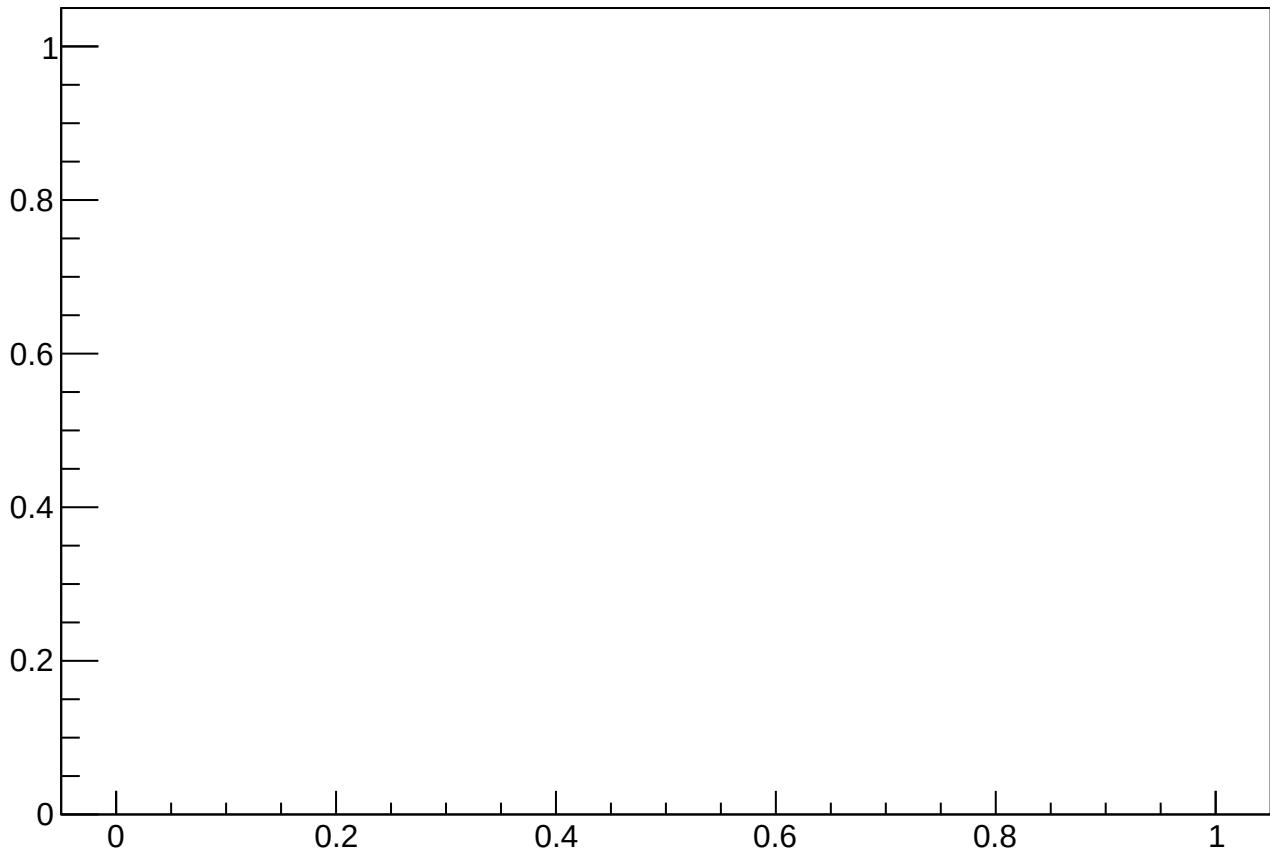
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

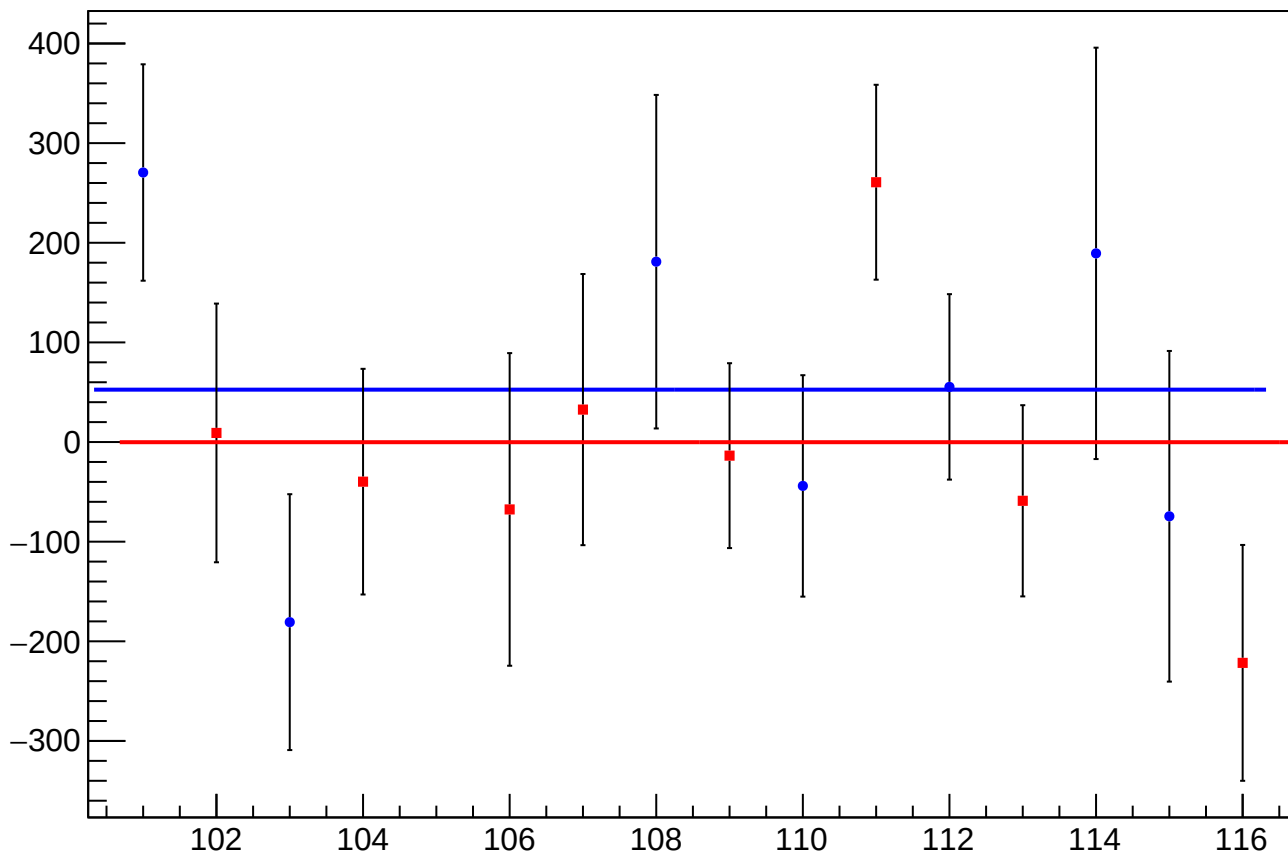
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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: 52.577+/-47.818  $\chi^2/\text{NDF}$ : 9.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.158+/-39.758  $\chi^2/\text{NDF}$ : 11.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

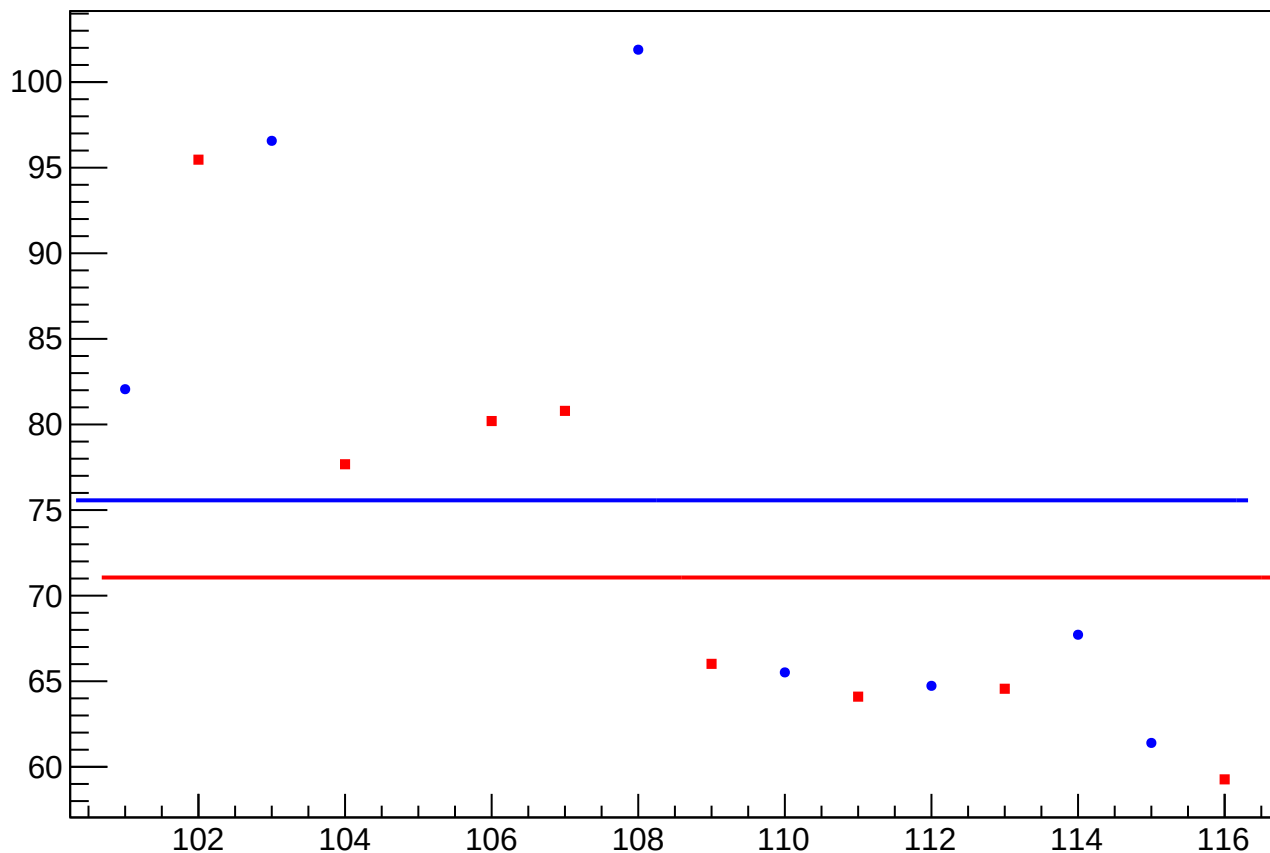
Right: 21.397+/-30.571  $\chi^2/\text{NDF}$ : 21.8/14

In: 52.577+/-47.818  $\chi^2/\text{NDF}$ : 9.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 21.397+/-30.571  $\chi^2/\text{NDF}$ : 21.8/14

dit\_asym\_sam\_15\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 75.568+/-0.034  $\chi^2/\text{NDF}$ : 171064.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 71.060+/-0.028  $\chi^2/\text{NDF}$ : 139602.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

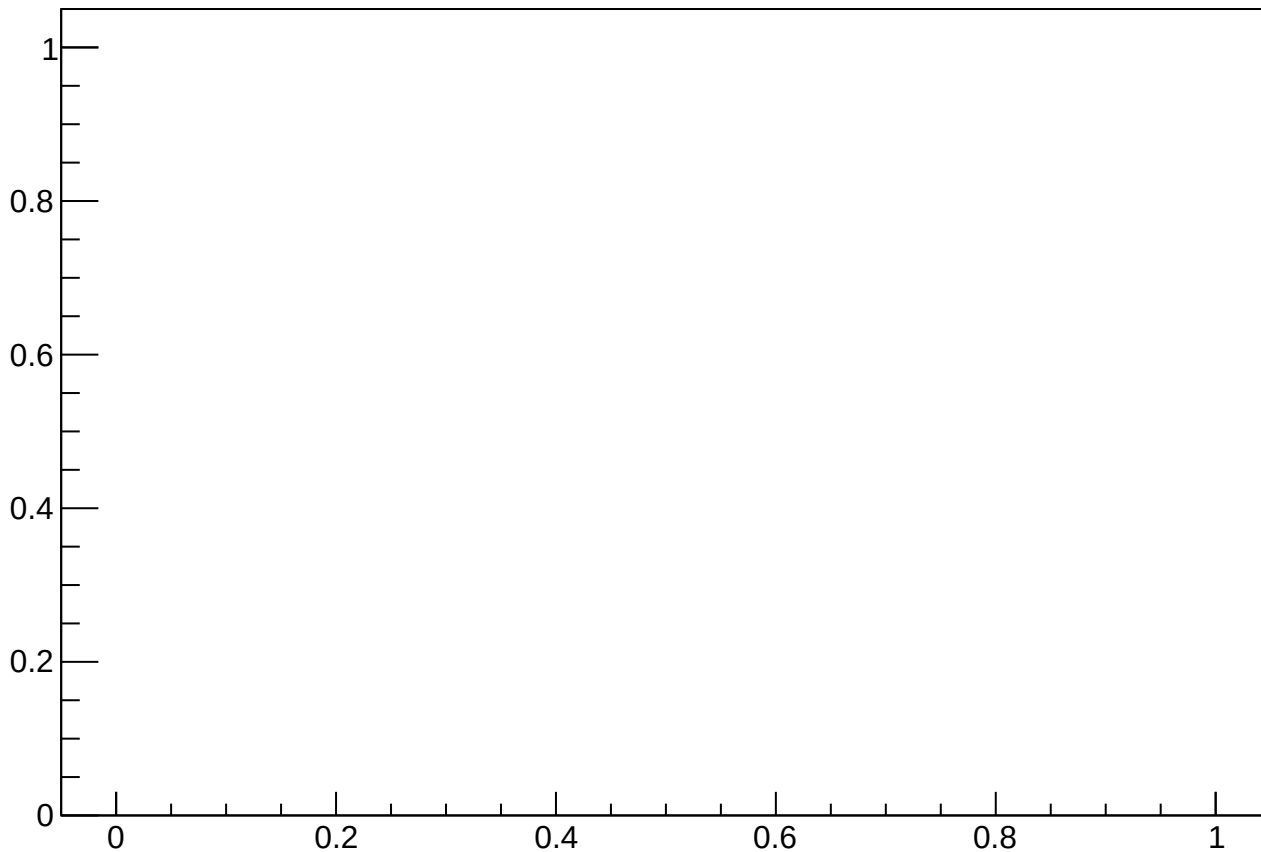
Right: 72.903+/-0.022  $\chi^2/\text{NDF}$ : 321176.7/14

In: 75.568+/-0.034  $\chi^2/\text{NDF}$ : 171064.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 72.903+/-0.022  $\chi^2/\text{NDF}$ : 321176.7/14

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

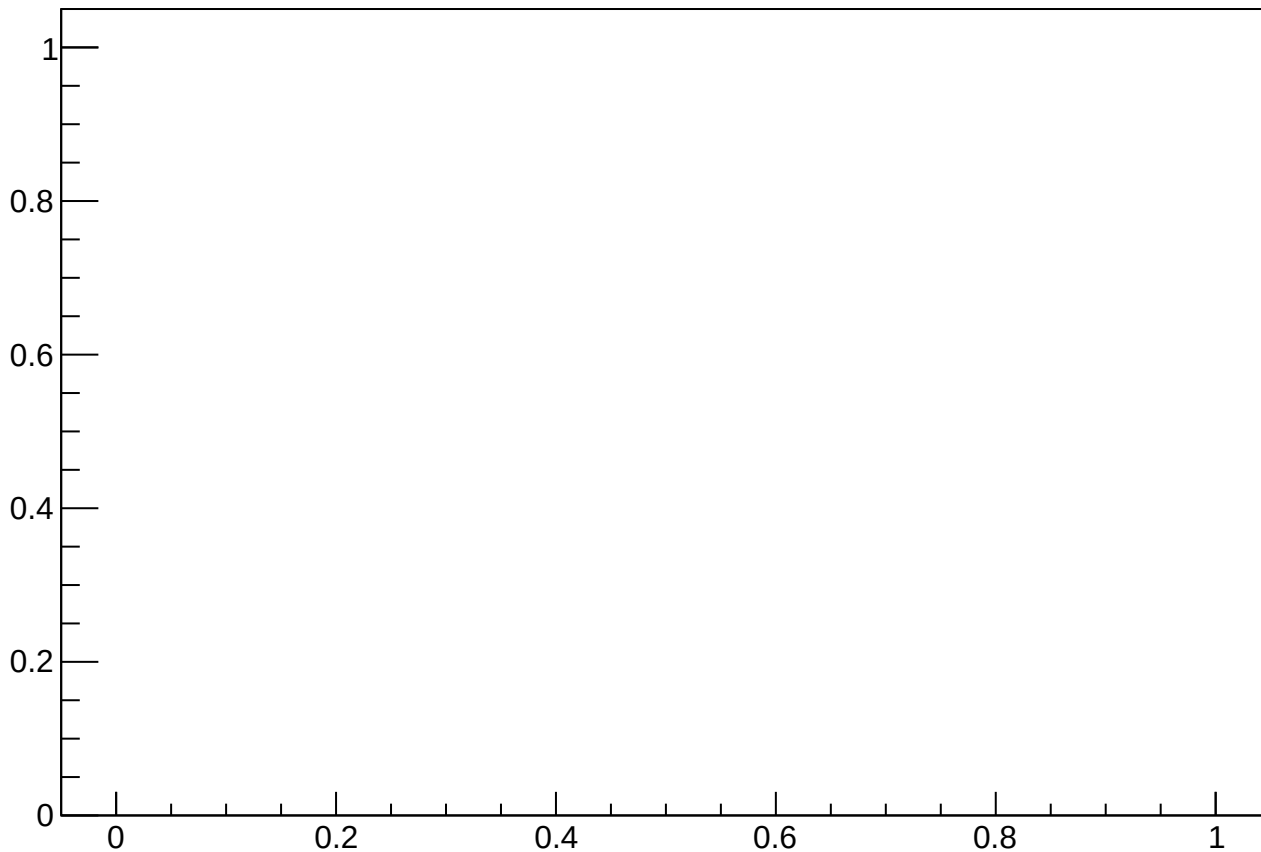
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

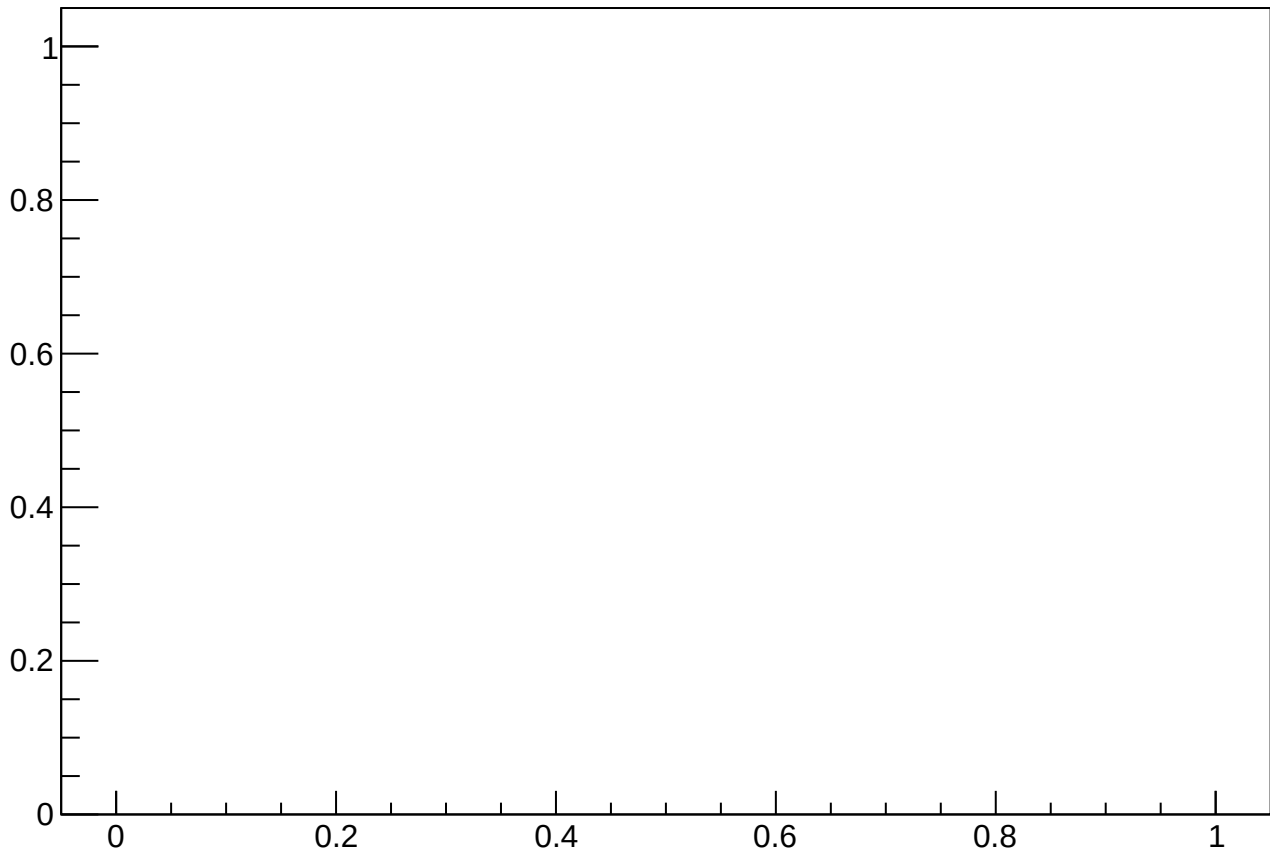
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

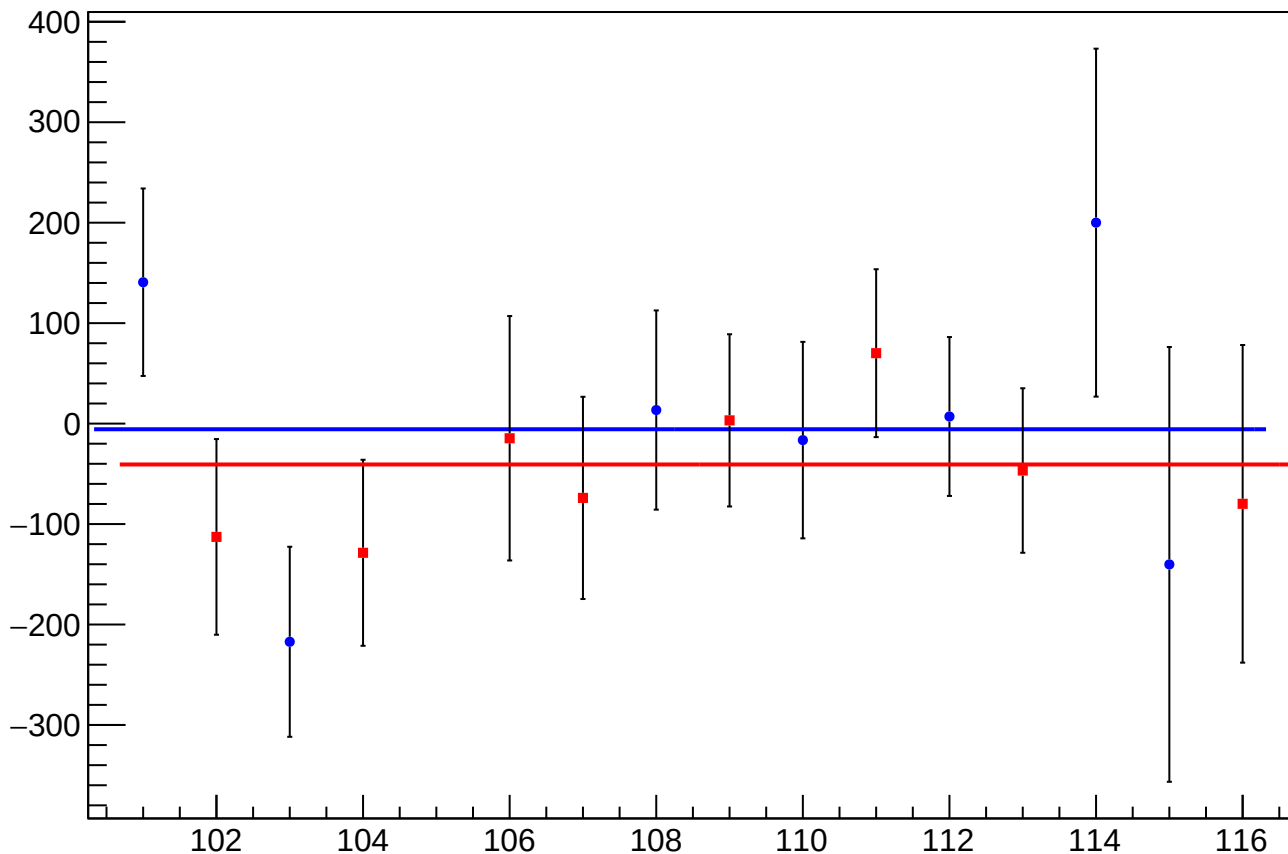
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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: -5.633+/-39.301  $\chi^2/\text{NDF}$ : 9.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -40.681+/-34.163  $\chi^2/\text{NDF}$ : 3.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

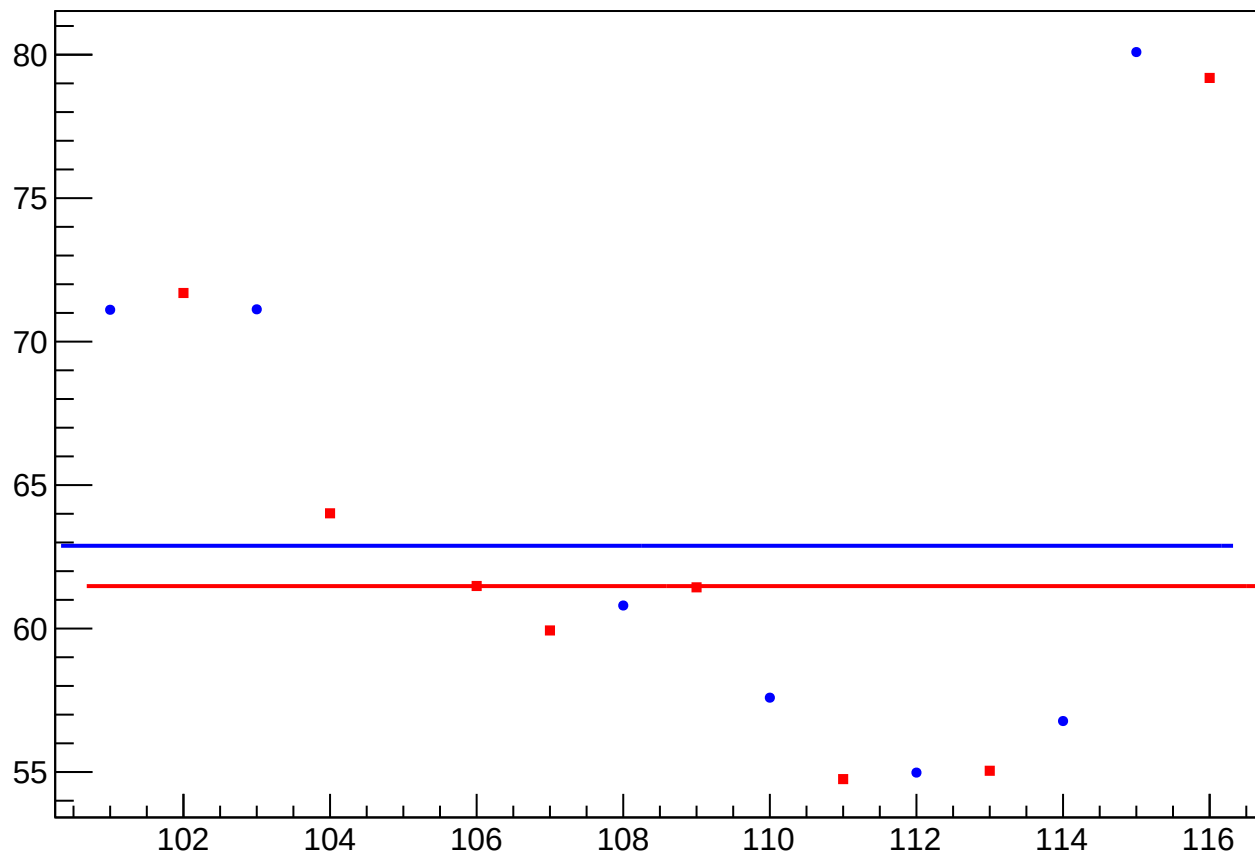
Right: -25.596+/-25.783  $\chi^2/\text{NDF}$ : 13.5/14

In: -5.633+/-39.301  $\chi^2/\text{NDF}$ : 9.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -25.596+/-25.783  $\chi^2/\text{NDF}$ : 13.5/14

dit\_asym\_sam\_37\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 62.885 $\pm$ 0.028  $\chi^2$ /NDF: 72570.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 61.480 $\pm$ 0.024  $\chi^2$ /NDF: 74387.1/7

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: 62.084 $\pm$ 0.018  $\chi^2$ /NDF: 148414.2/14

In: 62.885 $\pm$ 0.028  $\chi^2$ /NDF: 72570.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 62.084 $\pm$ 0.018  $\chi^2$ /NDF: 148414.2/14



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

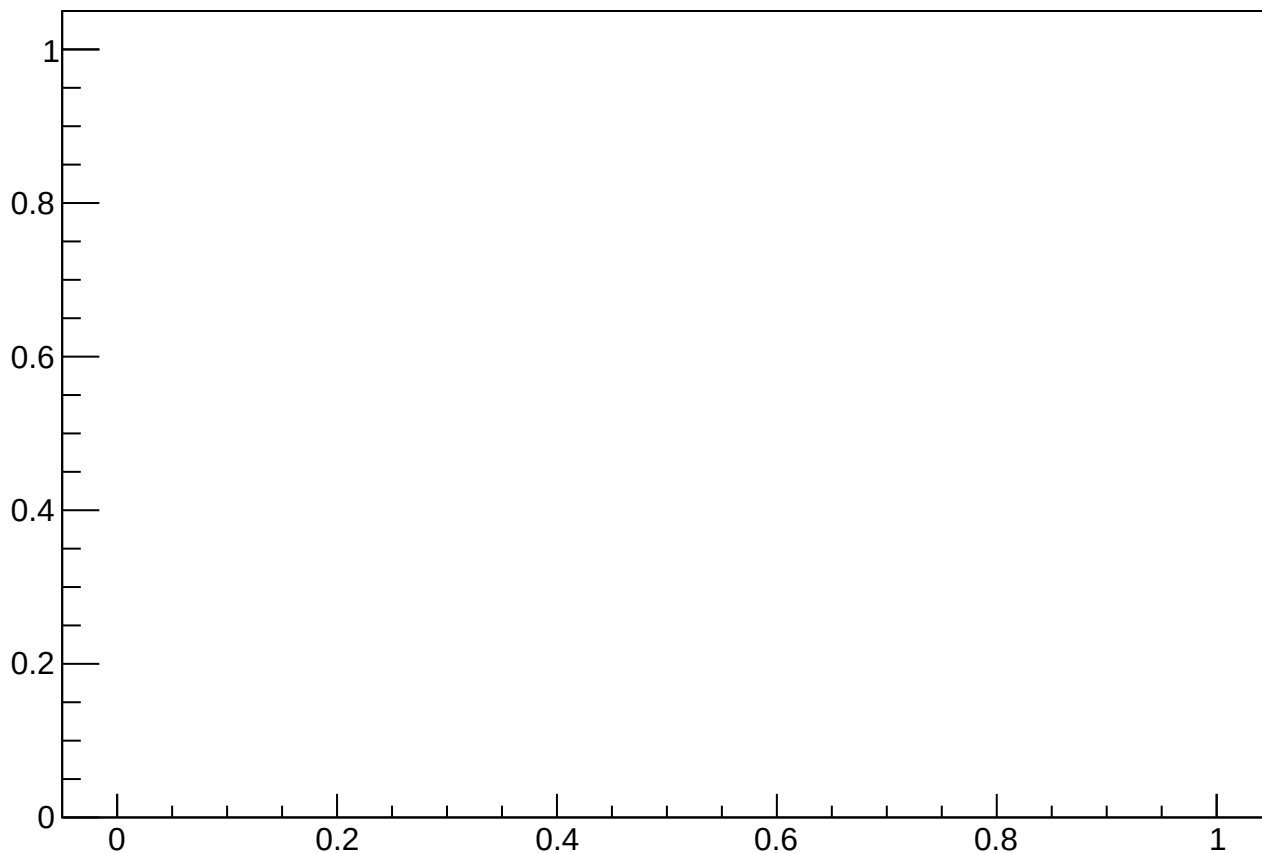
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

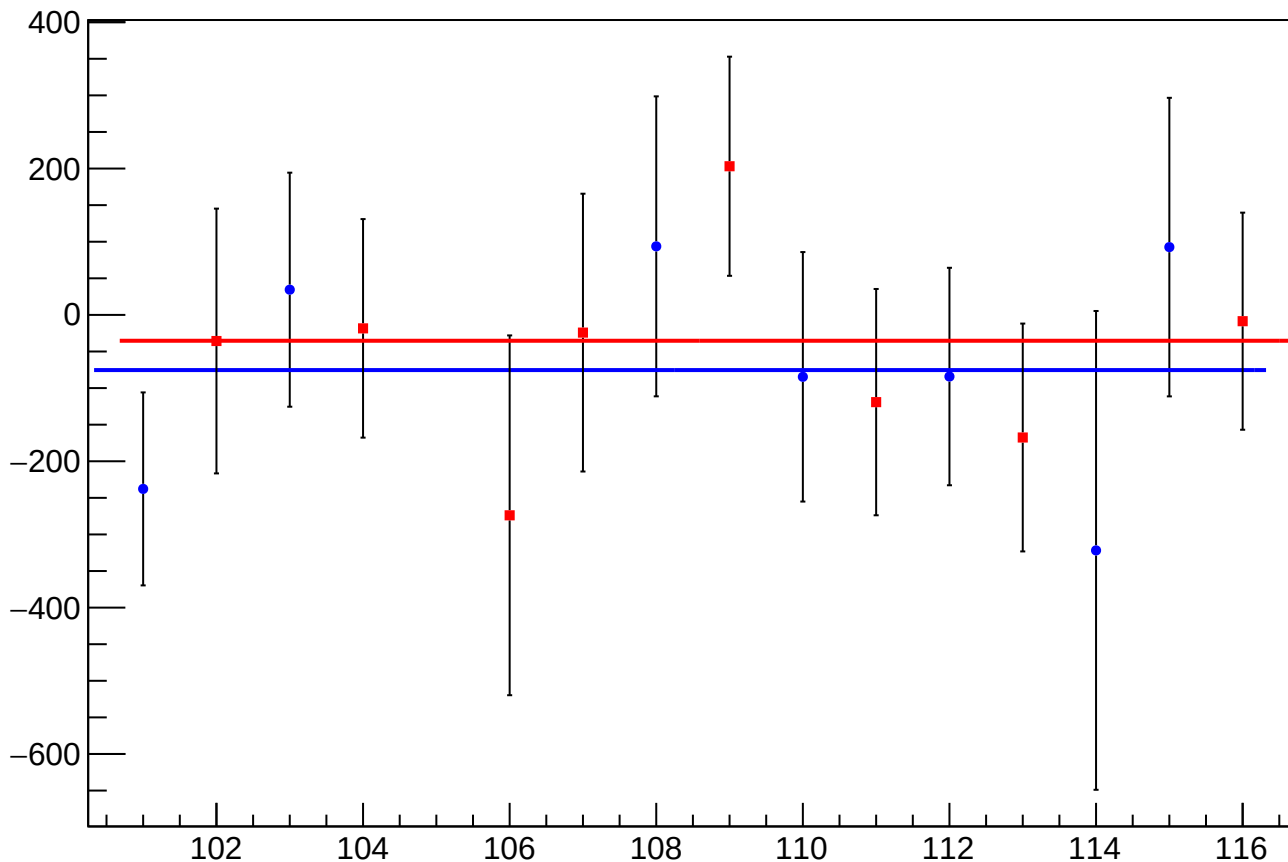
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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:  $-75.388 \pm 65.443$   $\chi^2/\text{NDF}$ : 3.9/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-35.323 \pm 58.437$   $\chi^2/\text{NDF}$ : 4.5/7

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

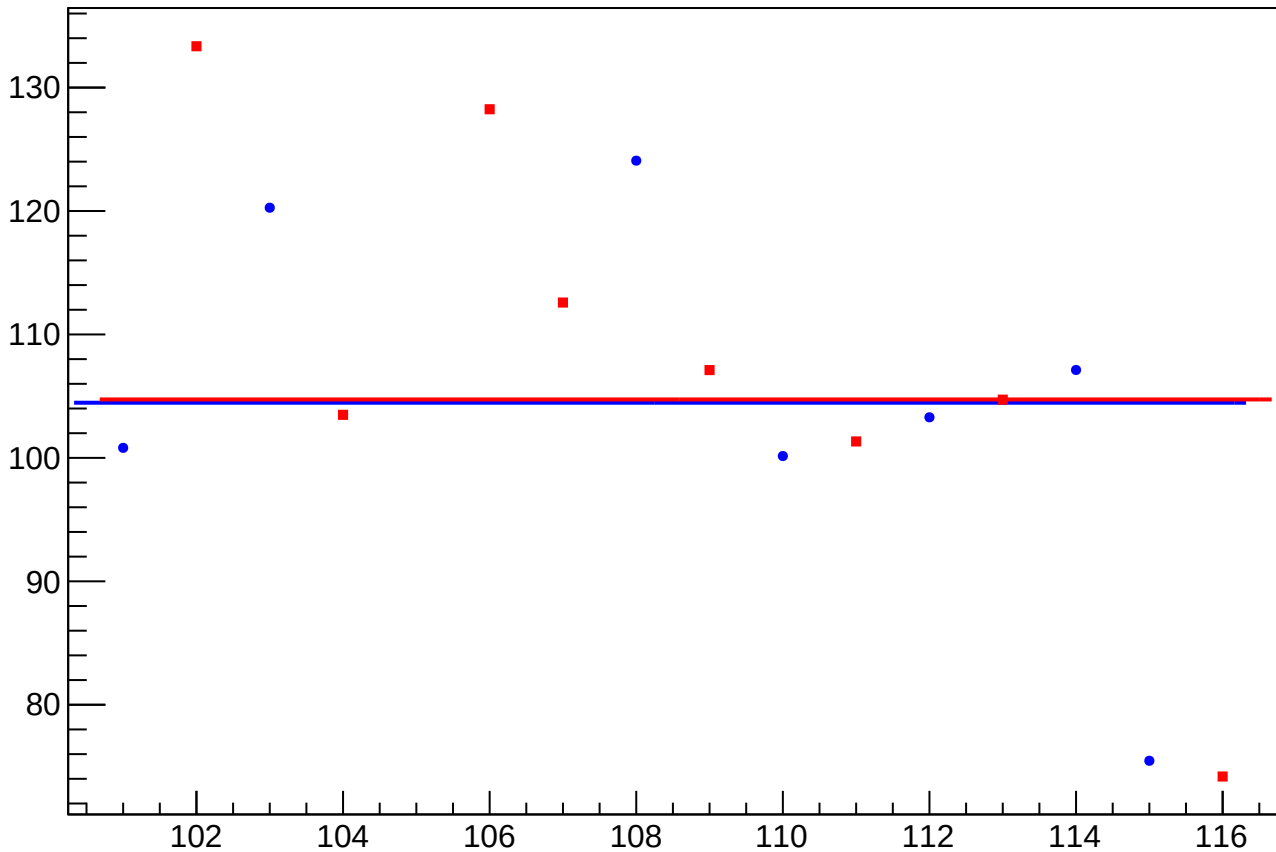
Right:  $-53.097 \pm 43.589$   $\chi^2/\text{NDF}$ : 8.7/14

In:  $-75.388 \pm 65.443$   $\chi^2/\text{NDF}$ : 3.9/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-53.097 \pm 43.589$   $\chi^2/\text{NDF}$ : 8.7/14

dit\_asym\_sam\_15\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 104.469+/-0.046  $\chi^2/\text{NDF}$ : 81348.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 104.734+/-0.041  $\chi^2/\text{NDF}$ : 158176.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

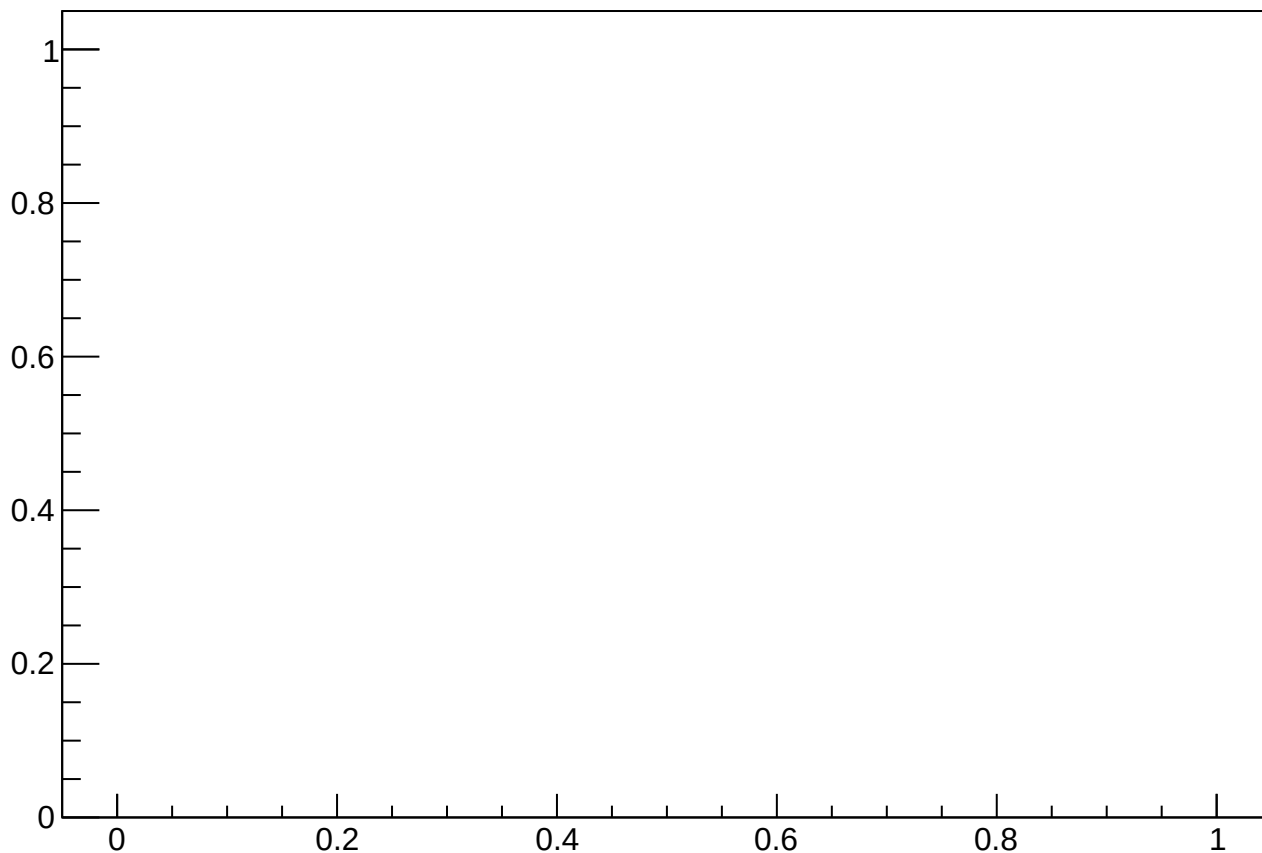
Right: 104.616+/-0.031  $\chi^2/\text{NDF}$ : 239543.0/14

In: 104.469+/-0.046  $\chi^2/\text{NDF}$ : 81348.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 104.616+/-0.031  $\chi^2/\text{NDF}$ : 239543.0/14

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

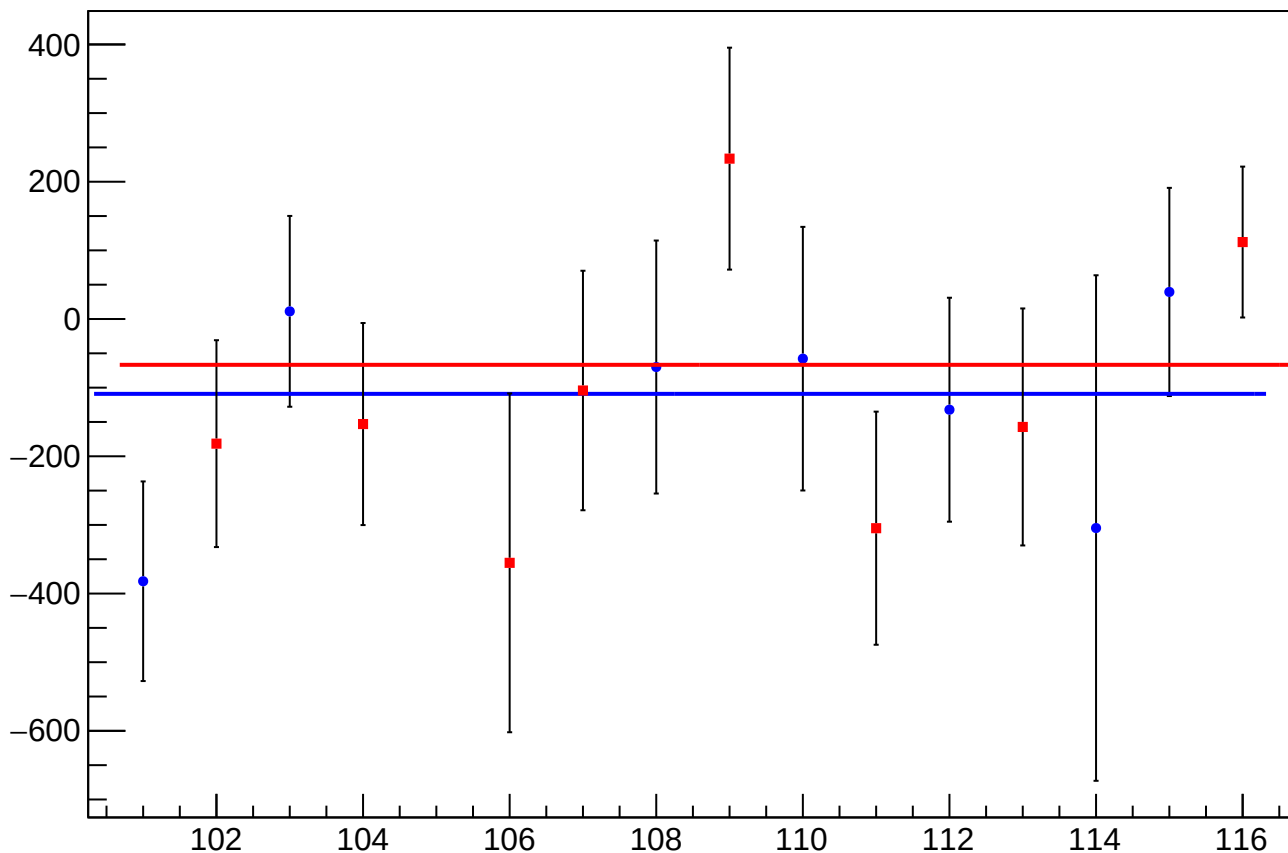
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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: -109.053+/-64.012  $\chi^2/\text{NDF}$ : 5.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -66.750+/-55.154  $\chi^2/\text{NDF}$ : 10.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

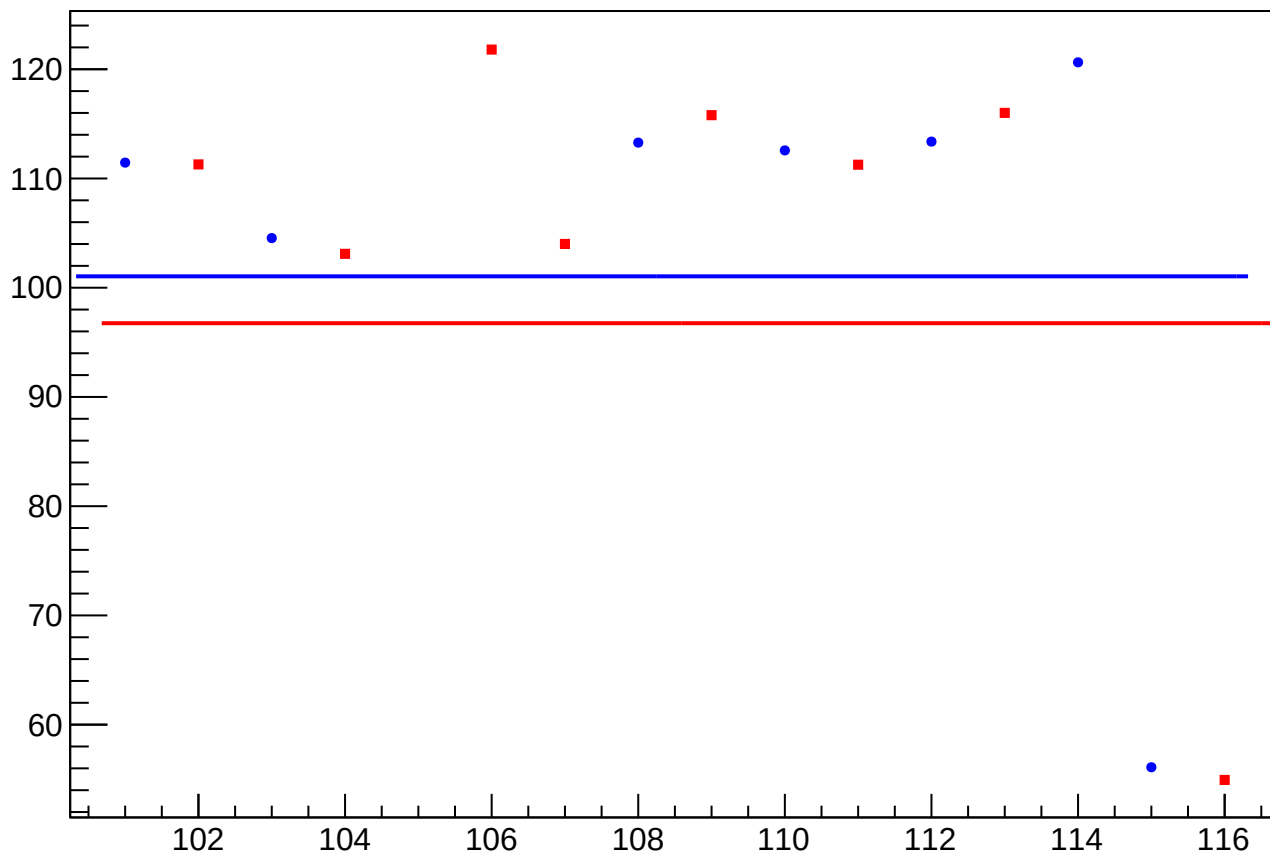
Right: -84.774+/-41.783  $\chi^2/\text{NDF}$ : 16.6/14

In: -109.053+/-64.012  $\chi^2/\text{NDF}$ : 5.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -84.774+/-41.783  $\chi^2/\text{NDF}$ : 16.6/14

dit\_asym\_sam\_37\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 101.042 $\pm$ 0.045  $\chi^2$ /NDF: 220312.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 96.750 $\pm$ 0.039  $\chi^2$ /NDF: 403060.3/7

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: 98.579 $\pm$ 0.030  $\chi^2$ /NDF: 628534.2/14

In: 101.042 $\pm$ 0.045  $\chi^2$ /NDF:220312.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 98.579 $\pm$ 0.030  $\chi^2$ /NDF: 628534.2/14

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

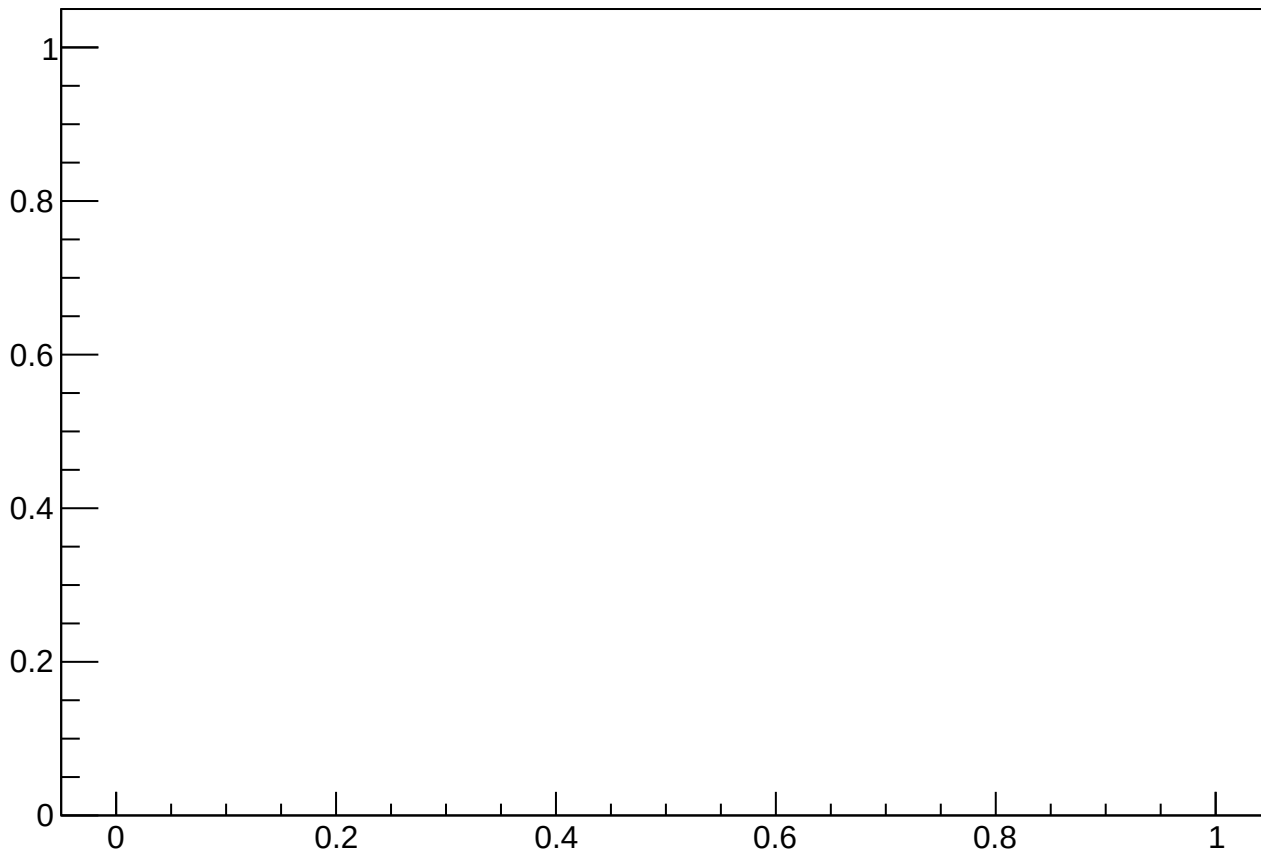
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

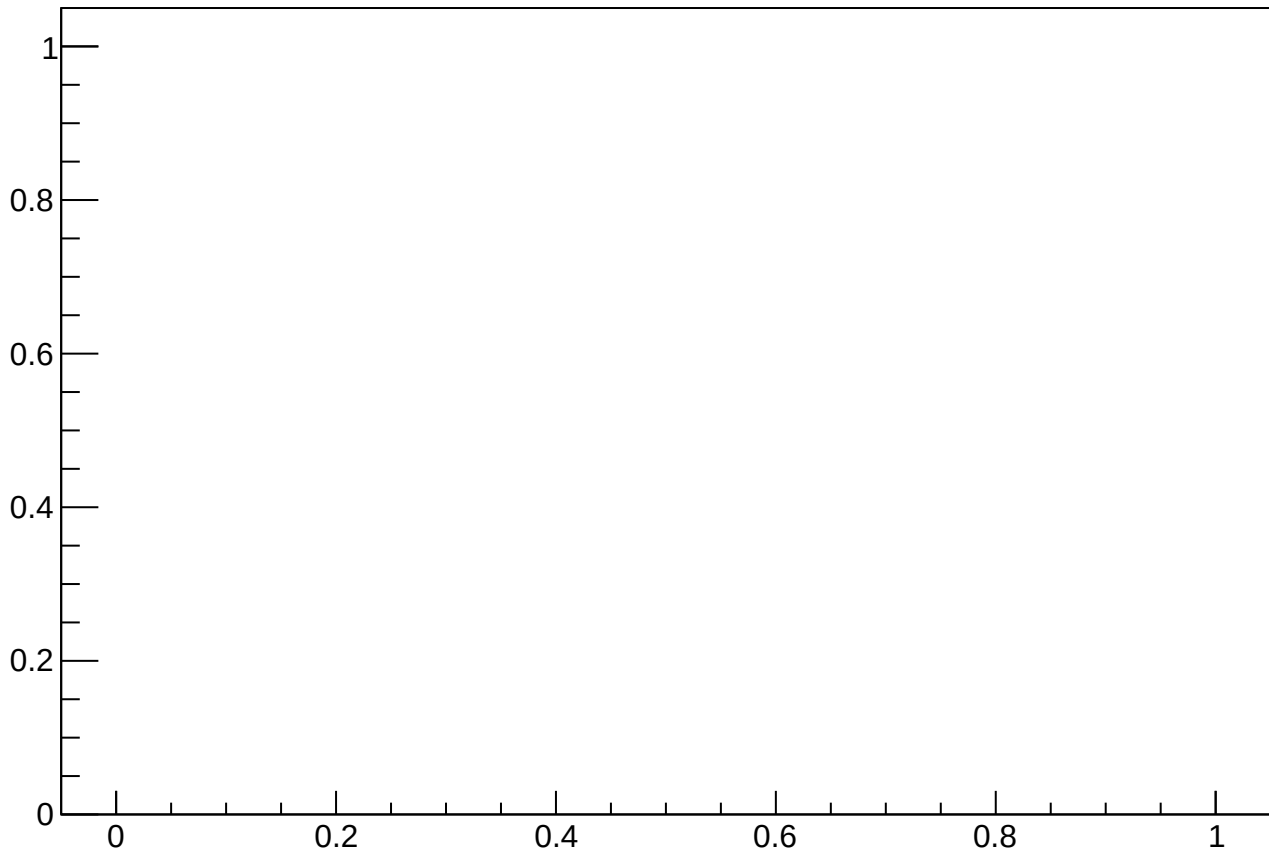
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

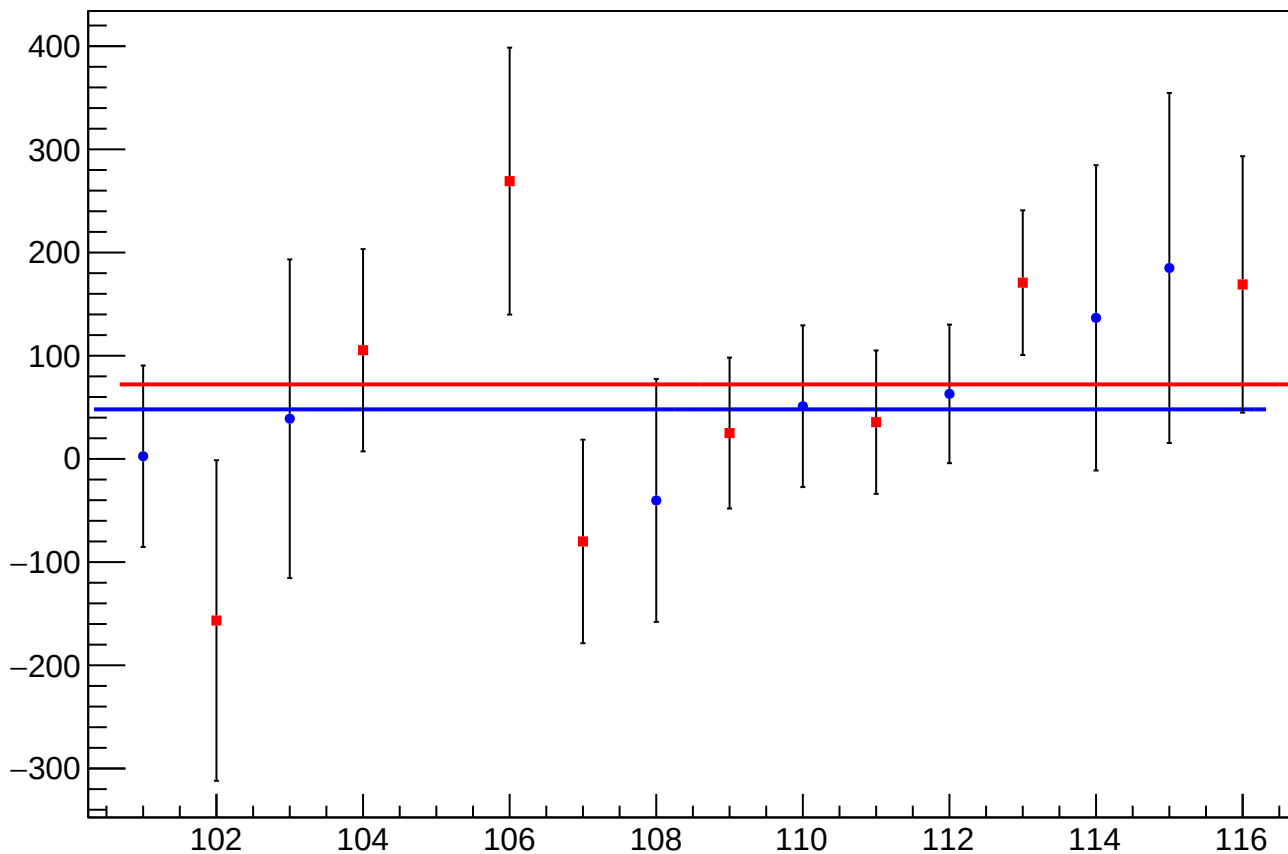
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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: 48.037+/-37.569  $\chi^2/\text{NDF}$ : 1.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 72.219+/-32.102  $\chi^2/\text{NDF}$ : 10.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

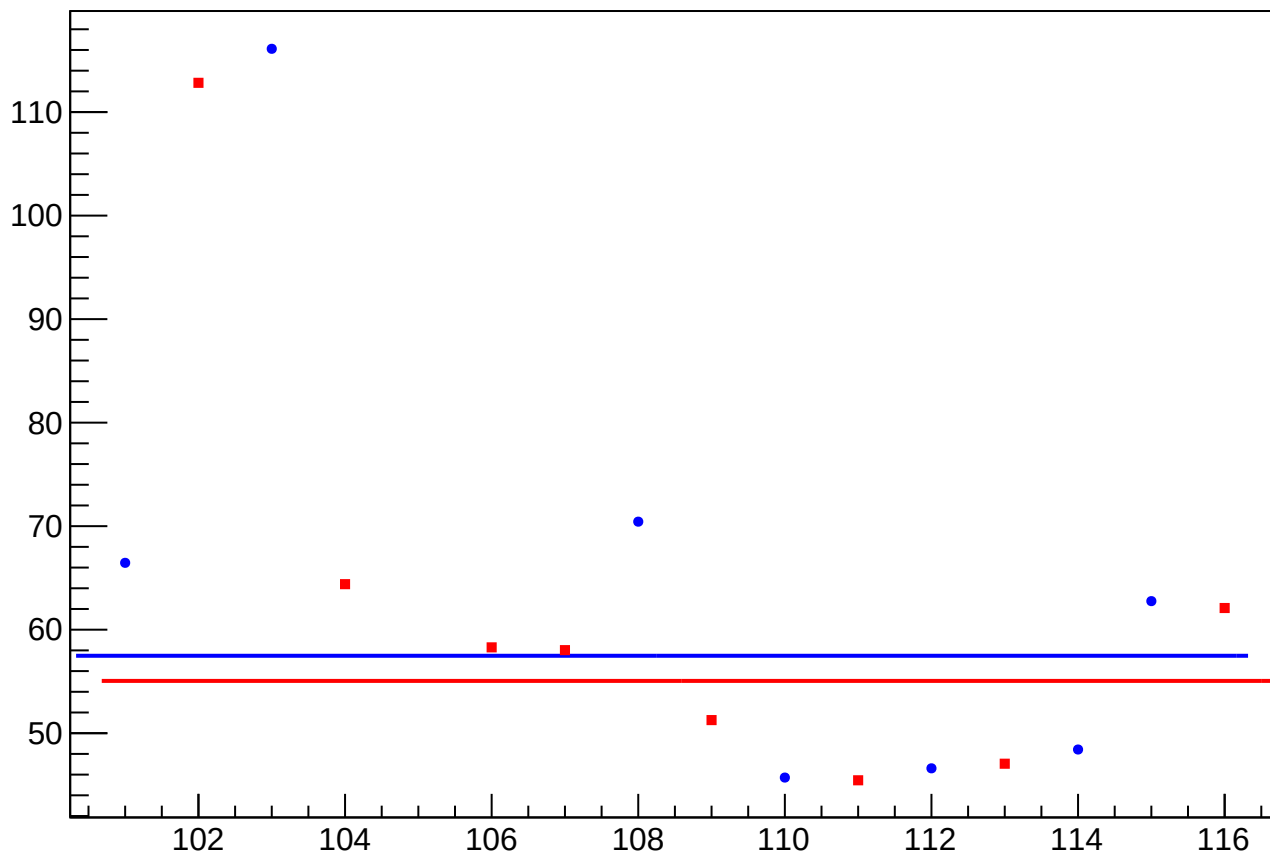
Right: 62.014+/-24.406  $\chi^2/\text{NDF}$ : 12.4/14

In: 48.037+/-37.569  $\chi^2/\text{NDF}$ : 1.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 62.014+/-24.406  $\chi^2/\text{NDF}$ : 12.4/14

dit\_asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 57.480+/-0.027  $\chi^2/\text{NDF}$ : 440374.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 55.052+/-0.023  $\chi^2/\text{NDF}$ : 373963.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

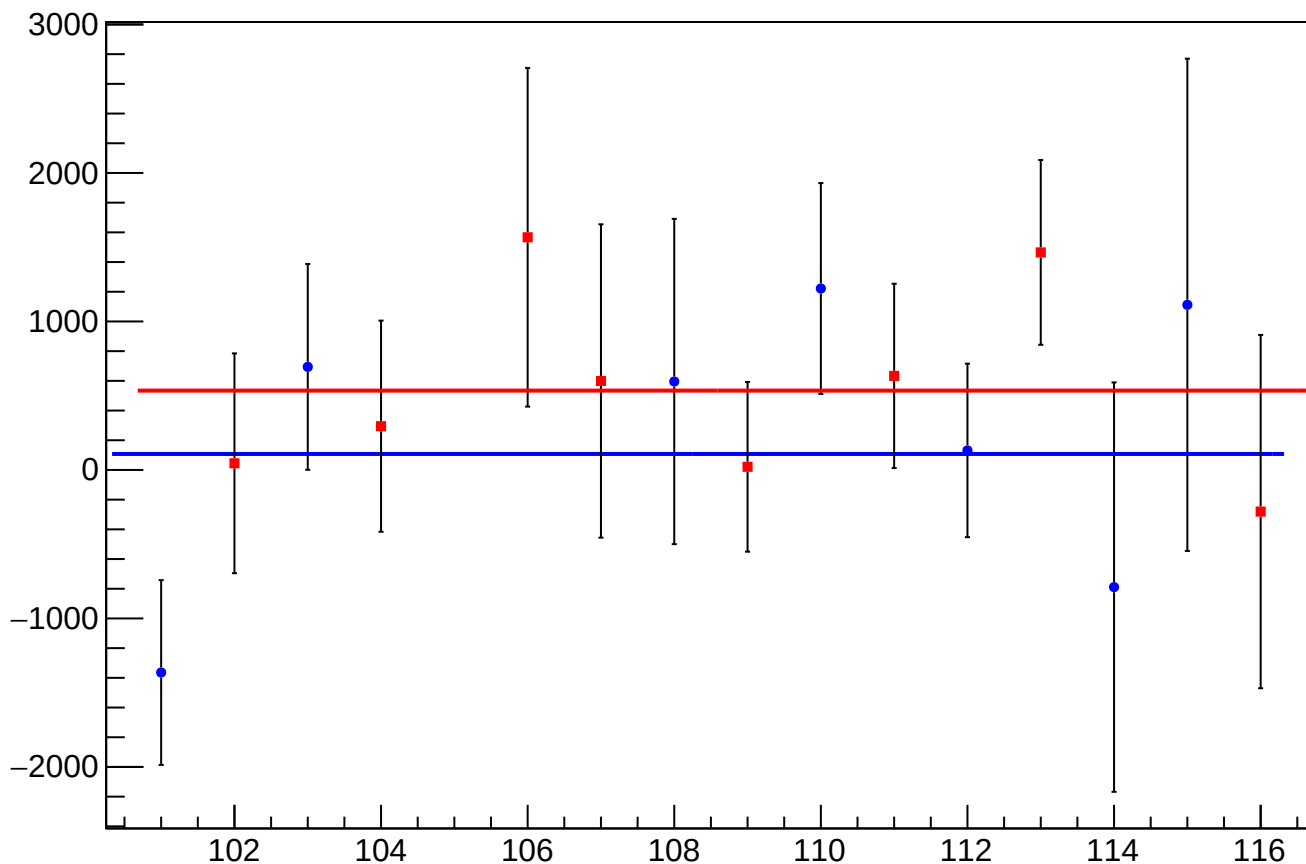
Right: 56.077+/-0.017  $\chi^2/\text{NDF}$ : 819166.0/14

In: 57.480+/-0.027  $\chi^2/\text{NDF}$ : 440374.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 56.077+/-0.017  $\chi^2/\text{NDF}$ : 819166.0/14

asym\_sam\_1357\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 107.621+/-297.462  $\chi^2/\text{NDF}$ : 9.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 534.314+/-263.348  $\chi^2/\text{NDF}$ : 4.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

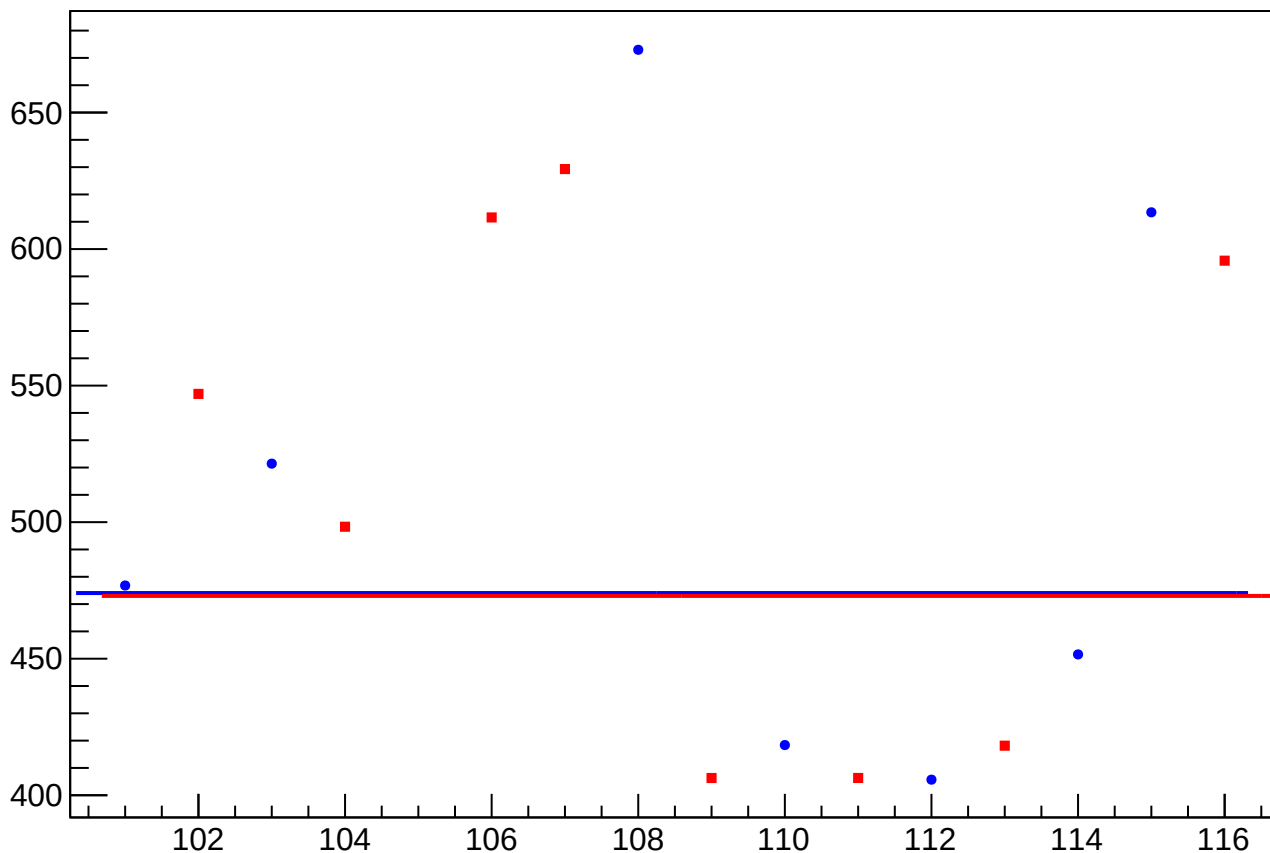
Right: 346.828+/-197.178  $\chi^2/\text{NDF}$ : 15.8/14

In: 107.621+/-297.462  $\chi^2/\text{NDF}$ :9.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 346.828+/-197.178  $\chi^2/\text{NDF}$ : 15.8/14

asym\_sam\_1357\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 474.044+/-0.210  $\chi^2/\text{NDF}$ : 129705.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 472.990+/-0.186  $\chi^2/\text{NDF}$ : 183094.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

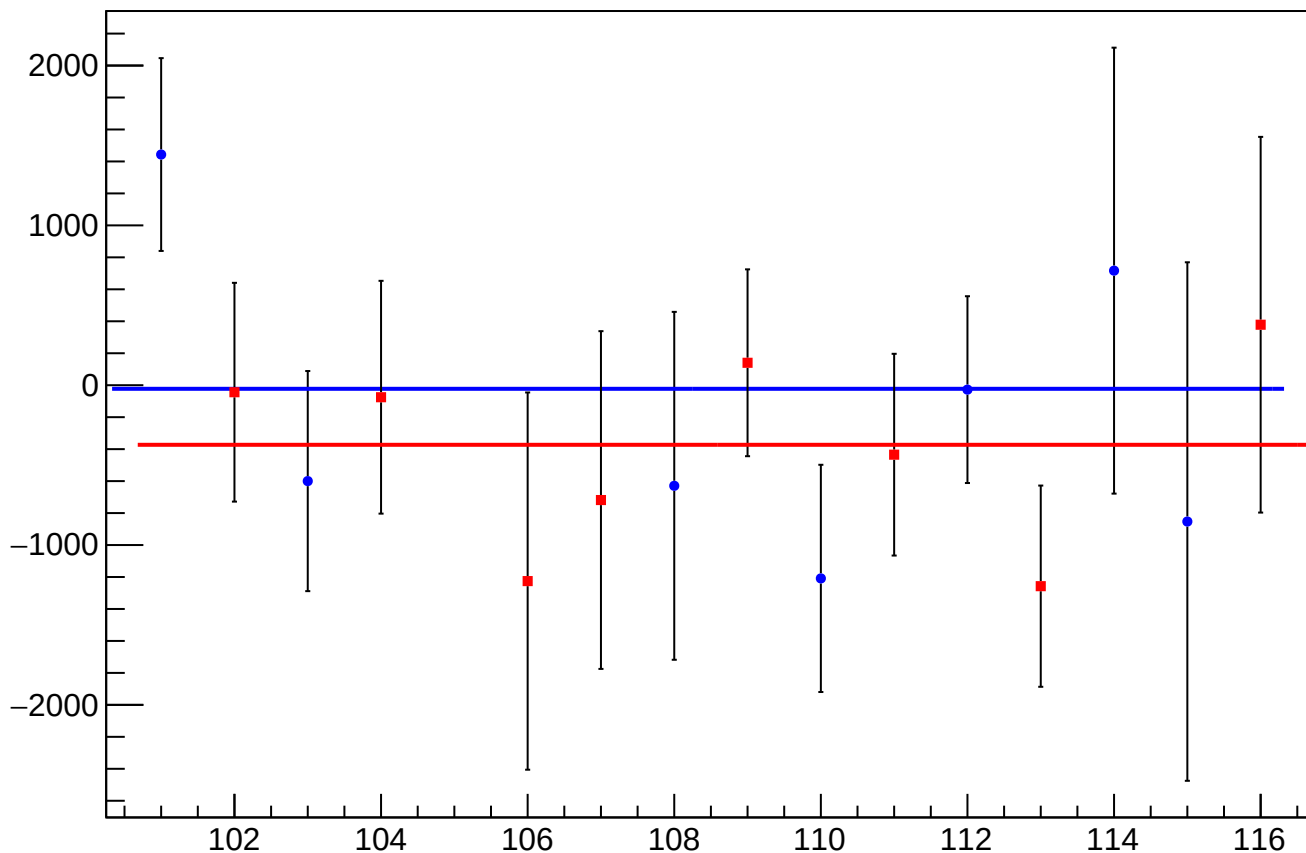
Right: 473.453+/-0.139  $\chi^2/\text{NDF}$ : 312813.9/14

In: 474.044+/-0.210  $\chi^2/\text{NDF}$ : 129705.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 473.453+/-0.139  $\chi^2/\text{NDF}$ : 312813.9/14

asym\_sam\_1357\_avg\_mean vs Slug, Sign Corrected



Right In:  $-22.498 \pm 294.845$   $\chi^2/\text{NDF}$ : 10.2/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-372.840 \pm 264.271$   $\chi^2/\text{NDF}$ : 4.2/7

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

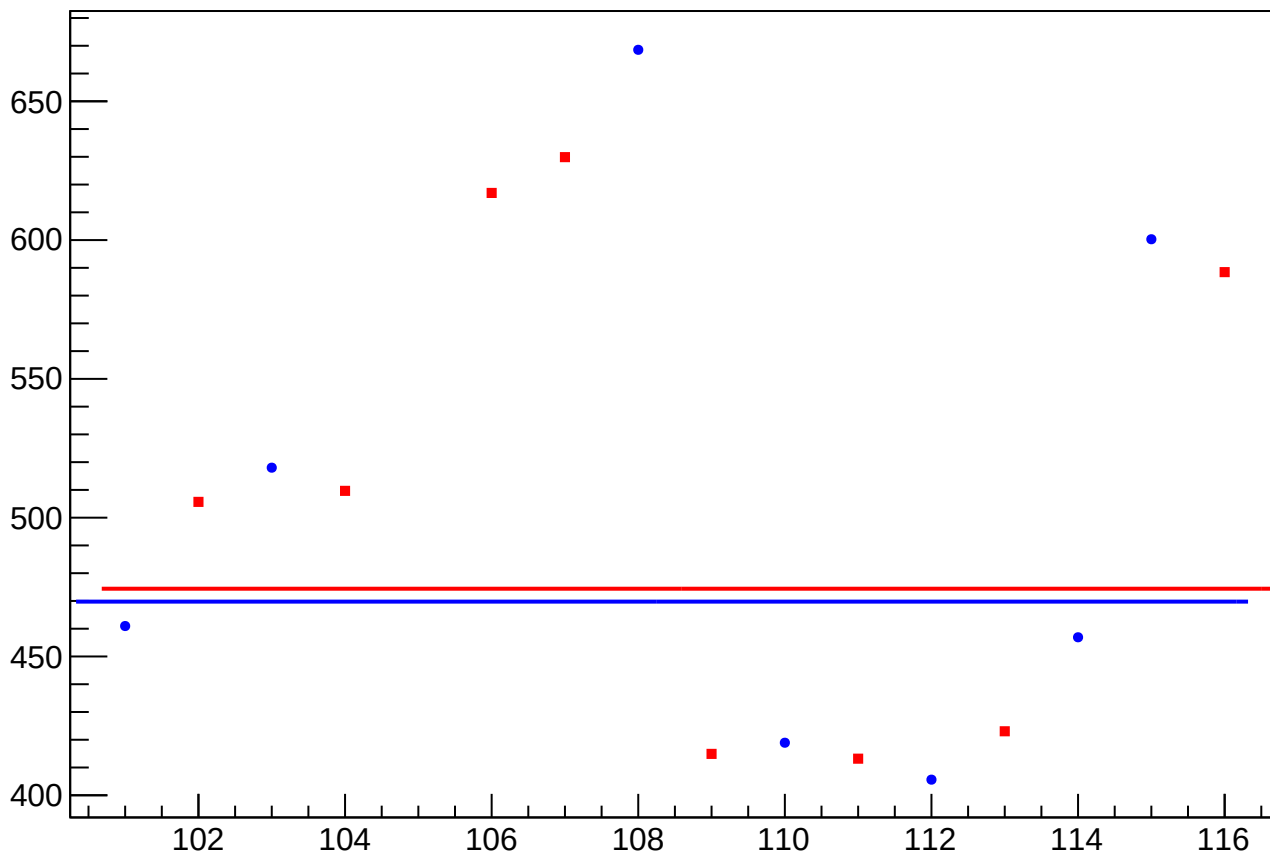
Right:  $-216.770 \pm 196.792$   $\chi^2/\text{NDF}$ : 15.2/14

In:  $-22.498 \pm 294.845$   $\chi^2/\text{NDF}$ : 10.2/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-216.770 \pm 196.792$   $\chi^2/\text{NDF}$ : 15.2/14

# asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 469.760 $\pm$ 0.208  $\chi^2$ /NDF: 124405.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 474.407 $\pm$ 0.187  $\chi^2$ /NDF: 153045.9/7

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

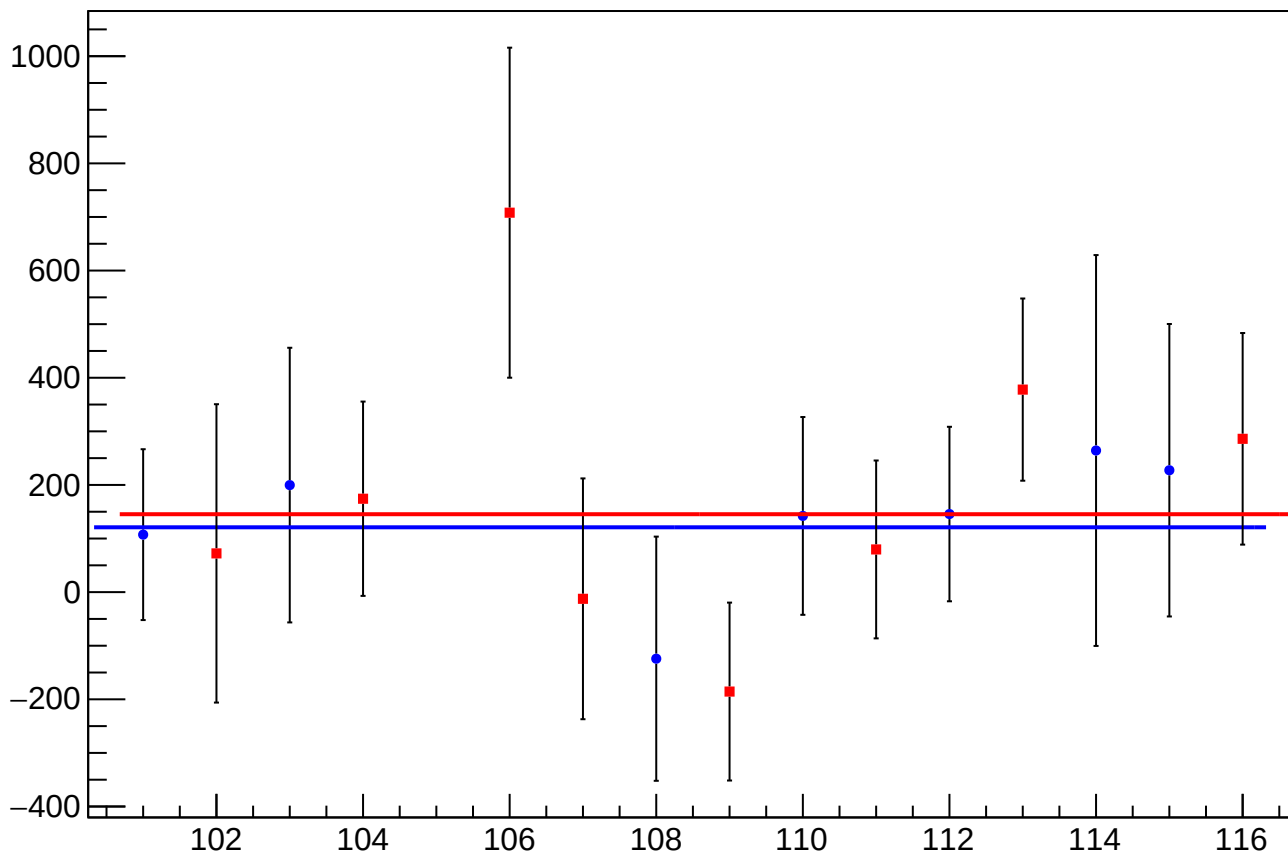
Right: 472.337 $\pm$ 0.139  $\chi^2$ /NDF: 277726.8/14

In: 469.760 $\pm$ 0.208  $\chi^2$ /NDF:124405.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 472.337 $\pm$ 0.139  $\chi^2$ /NDF: 277726.8/14

dit\_asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In: 120.962 $\pm$ 78.589  $\chi^2$ /NDF: 1.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 145.382 $\pm$ 69.576  $\chi^2$ /NDF: 10.4/7

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

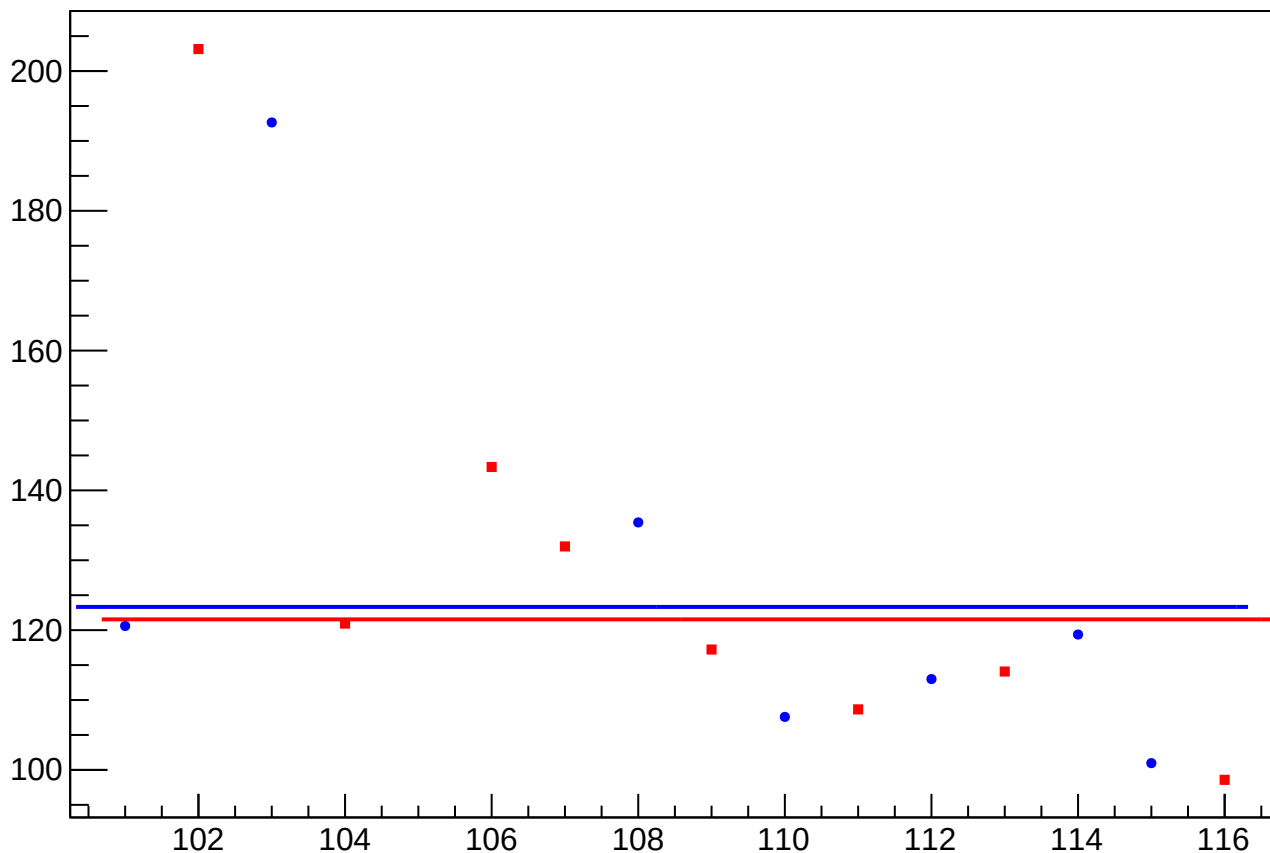
Right: 134.652 $\pm$ 52.094  $\chi^2$ /NDF: 12.1/14

In: 120.962 $\pm$ 78.589  $\chi^2$ /NDF:1.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 134.652 $\pm$ 52.094  $\chi^2$ /NDF: 12.1/14

dit\_asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 123.323+/-0.056  $\chi^2/\text{NDF}$ : 188850.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 121.540+/-0.049  $\chi^2/\text{NDF}$ : 230582.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 122.323+/-0.037  $\chi^2/\text{NDF}$ : 420009.3/14

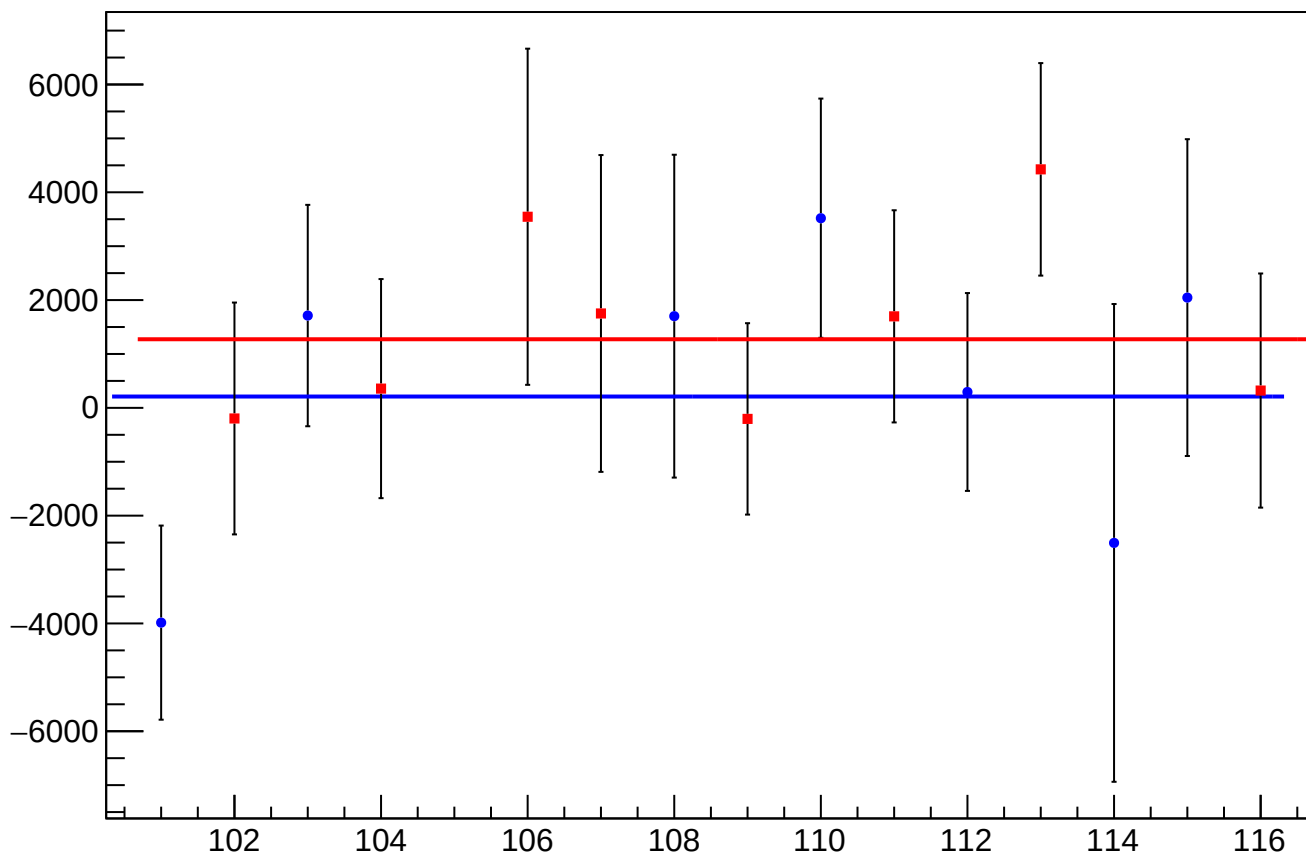
In: 123.323+/-0.056  $\chi^2/\text{NDF}$ : 188850.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 122.323+/-0.037  $\chi^2/\text{NDF}$ : 420009.3/14



asym\_sam\_2468\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 210.302 $\pm$ 869.303  $\chi^2$ /NDF: 9.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1272.971 $\pm$ 762.231  $\chi^2$ /NDF: 4.7/7

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

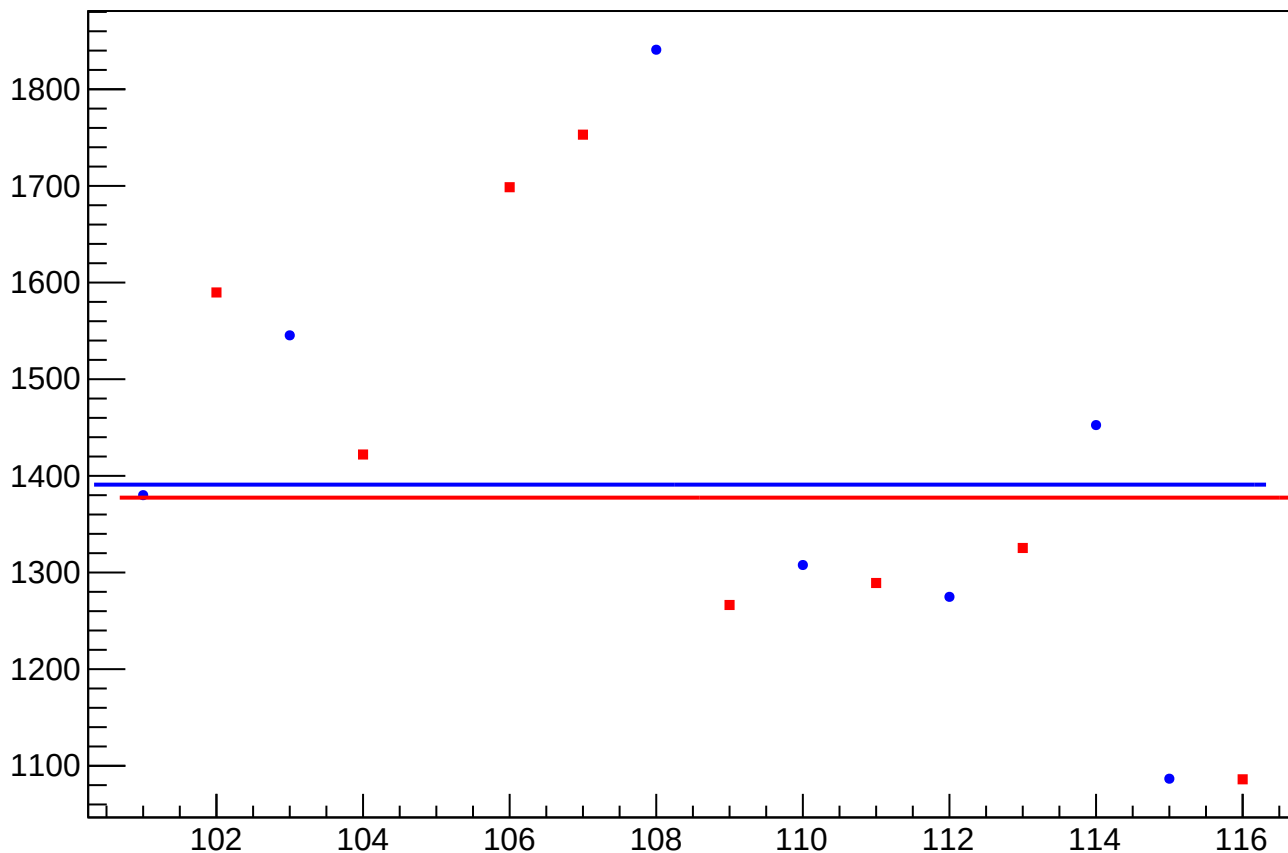
Right: 811.077 $\pm$ 573.117  $\chi^2$ /NDF: 14.8/14

In: 210.302 $\pm$ 869.303  $\chi^2$ /NDF:9.2/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 811.077 $\pm$ 573.117  $\chi^2$ /NDF: 14.8/14

asym\_sam\_2468\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1390.917+/-0.615  $\chi^2/\text{NDF}$ : 89152.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1377.463+/-0.539  $\chi^2/\text{NDF}$ : 123560.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

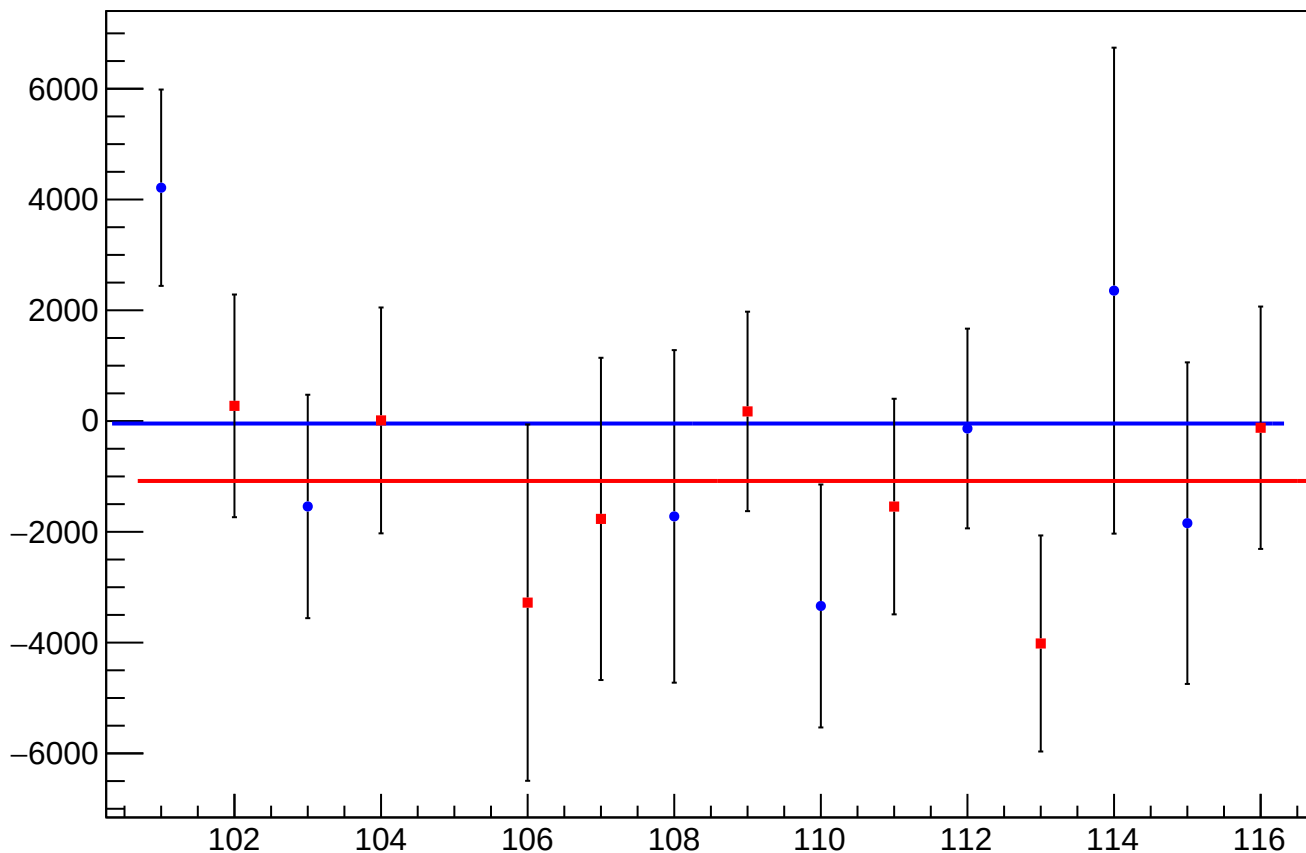
Right: 1383.311+/-0.405  $\chi^2/\text{NDF}$ : 212983.9/14

In: 1390.917+/-0.615  $\chi^2/\text{NDF}$ : 89152.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1383.311+/-0.405  $\chi^2/\text{NDF}$ : 212983.9/14

asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In: -44.538+/-857.130  $\chi^2/\text{NDF}$ : 9.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1081.558+/-756.620  $\chi^2/\text{NDF}$ : 4.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

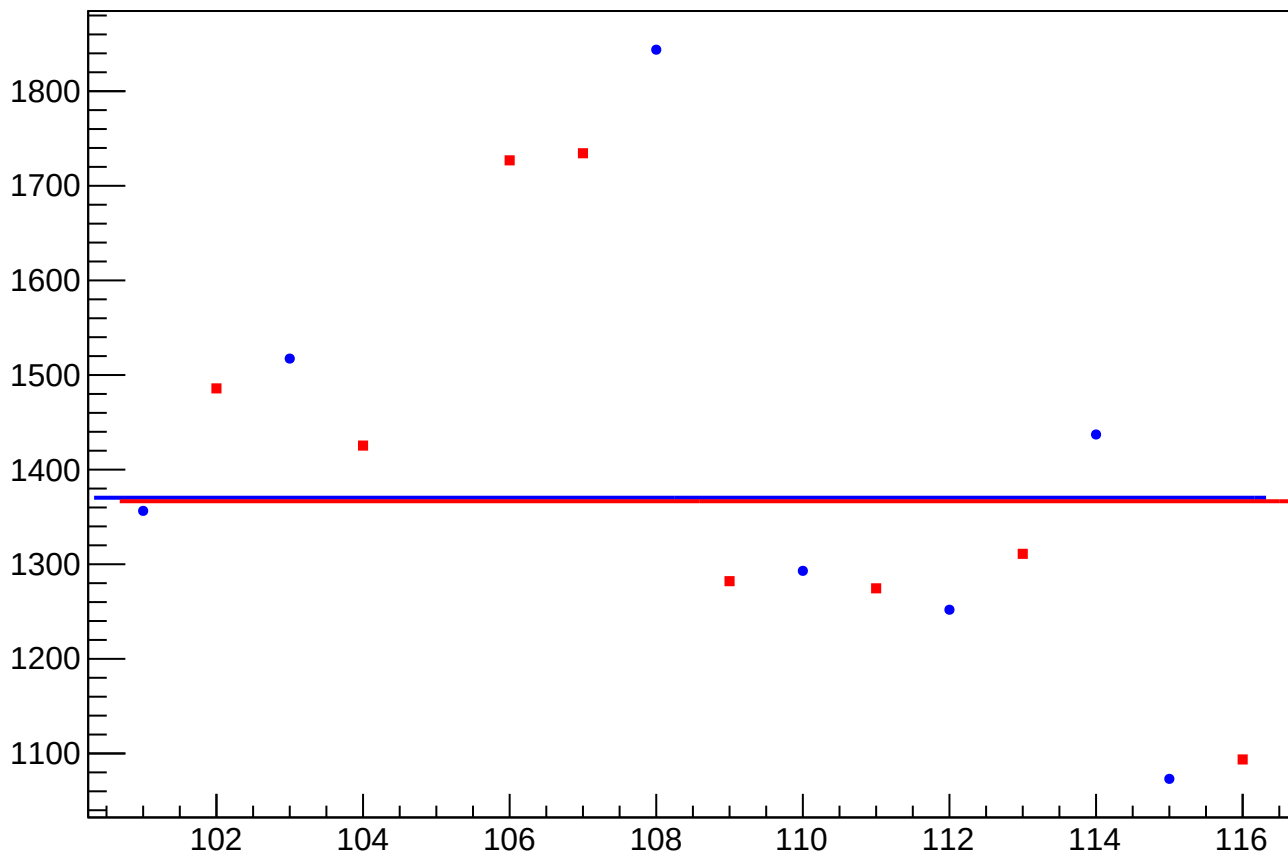
Right: -627.387+/-567.234  $\chi^2/\text{NDF}$ : 14.7/14

In: -44.538+/-857.130  $\chi^2/\text{NDF}$ : 9.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -627.387+/-567.234  $\chi^2/\text{NDF}$ : 14.7/14

# asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 1370.312+/-0.606  $\chi^2/\text{NDF}$ : 93045.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1366.584+/-0.535  $\chi^2/\text{NDF}$ : 107382.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

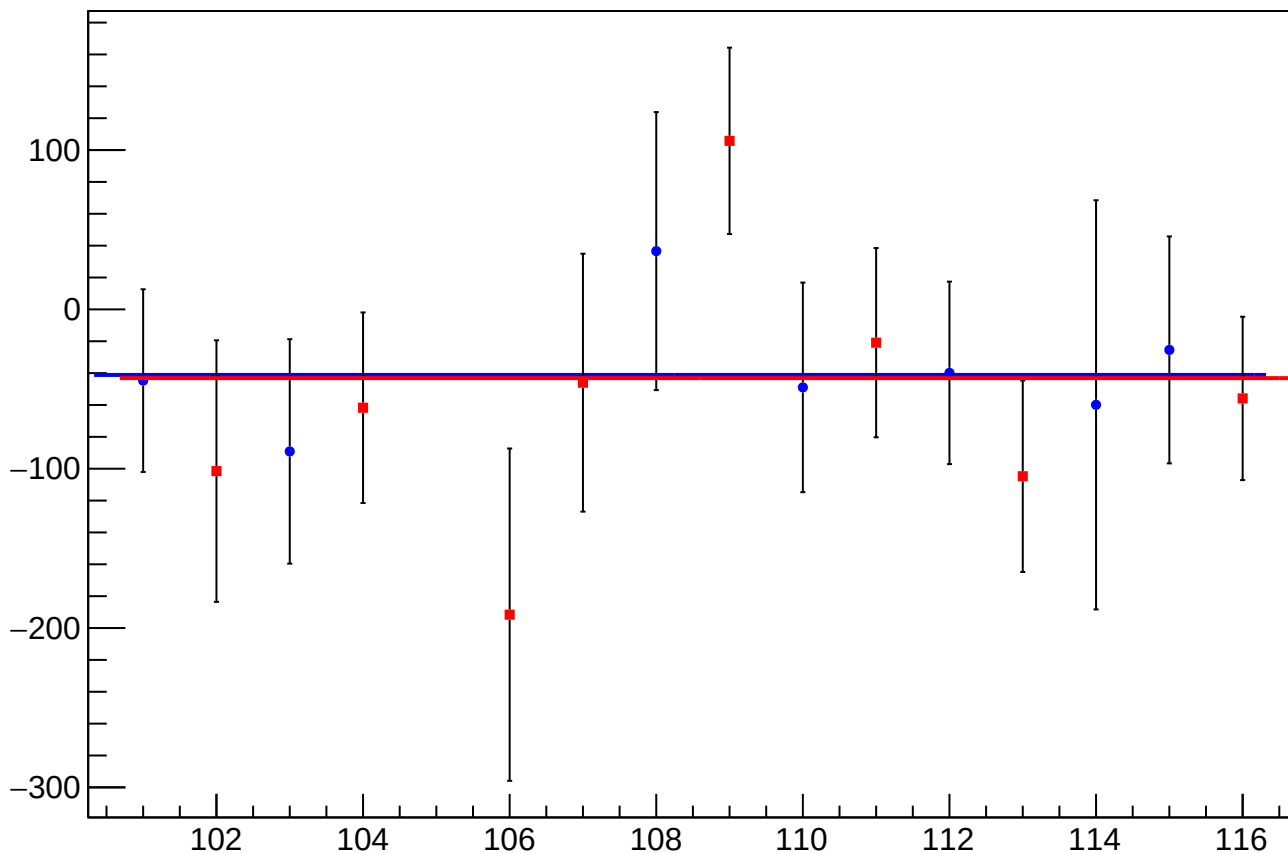
Right: 1368.216+/-0.401  $\chi^2/\text{NDF}$ : 200449.2/14

In: 1370.312+/-0.606  $\chi^2/\text{NDF}$ : 93045.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1368.216+/-0.401  $\chi^2/\text{NDF}$ : 200449.2/14

dit\_asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In: -41.145 $\pm$ 26.434  $\chi^2$ /NDF: 1.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -43.147 $\pm$ 22.906  $\chi^2$ /NDF: 10.4/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

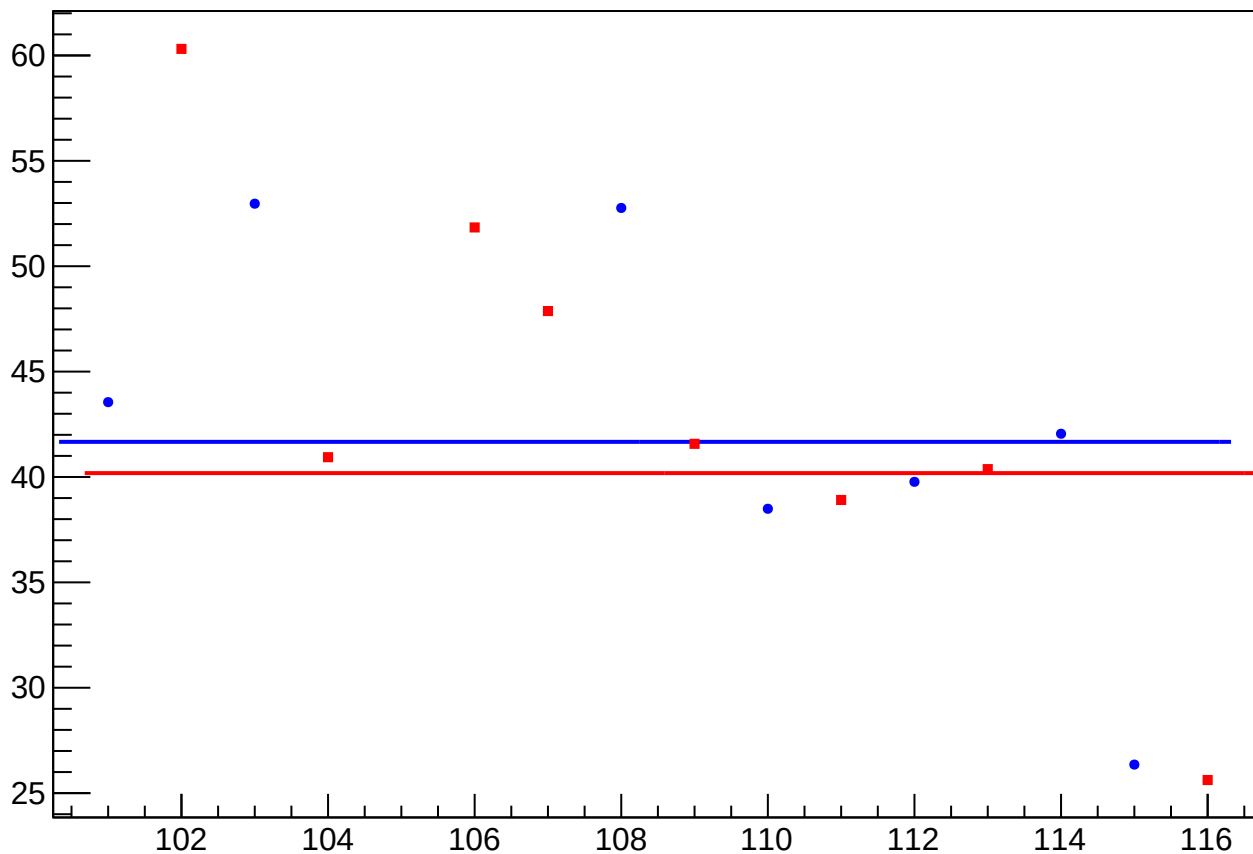
Right: -42.289 $\pm$ 17.311  $\chi^2$ /NDF: 11.7/14

In: -41.145 $\pm$ 26.434  $\chi^2$ /NDF:1.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -42.289 $\pm$ 17.311  $\chi^2$ /NDF: 11.7/14

dit\_asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 41.667 $\pm$ 0.019  $\chi^2$ /NDF: 185317.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 40.184 $\pm$ 0.016  $\chi^2$ /NDF: 327081.1/7

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

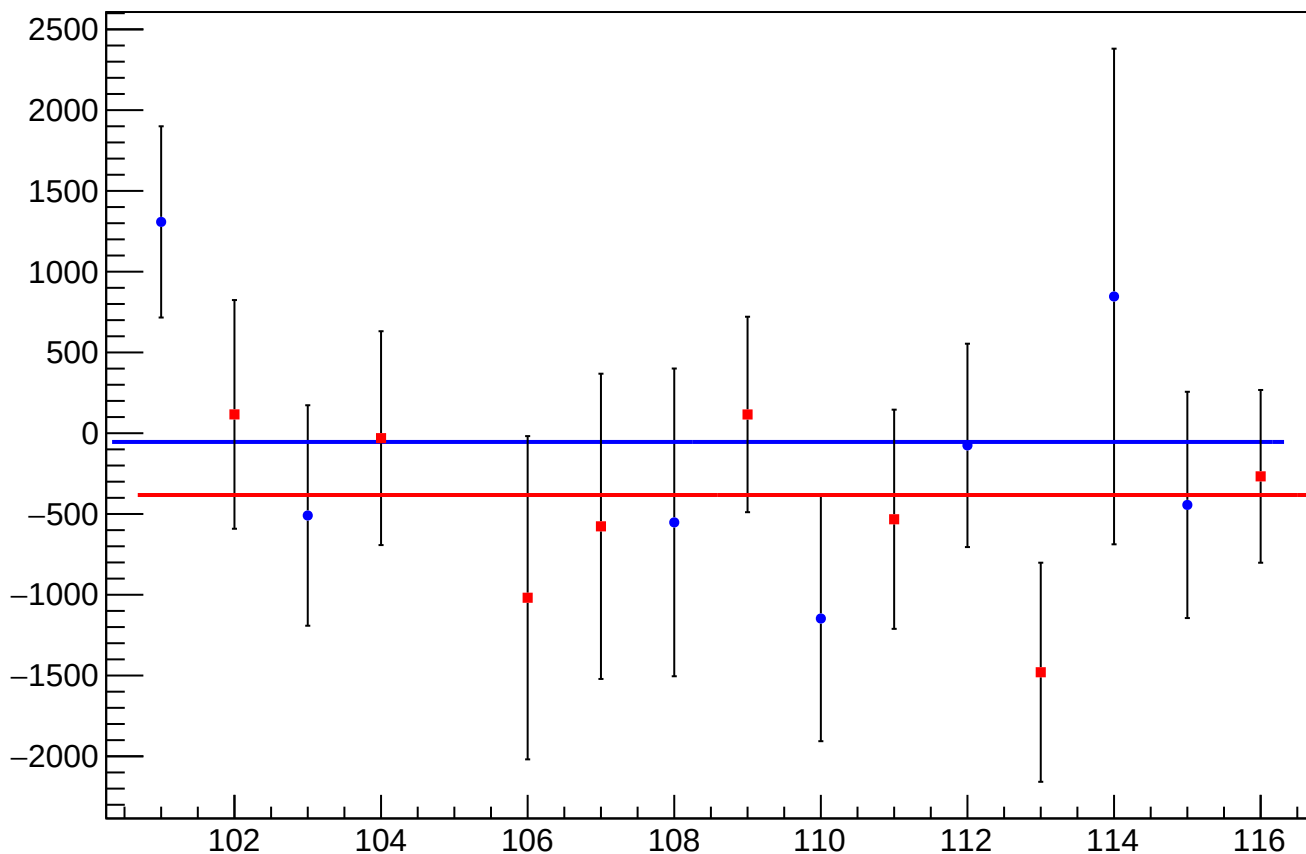
Right: 40.820 $\pm$ 0.012  $\chi^2$ /NDF: 515998.2/14

In: 41.667 $\pm$ 0.019  $\chi^2$ /NDF:185317.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 40.820 $\pm$ 0.012  $\chi^2$ /NDF: 515998.2/14

asym\_sam\_1357\_2468\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -54.039+/-279.236  $\chi^2/\text{NDF}$ : 8.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -382.465+/-242.719  $\chi^2/\text{NDF}$ : 4.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

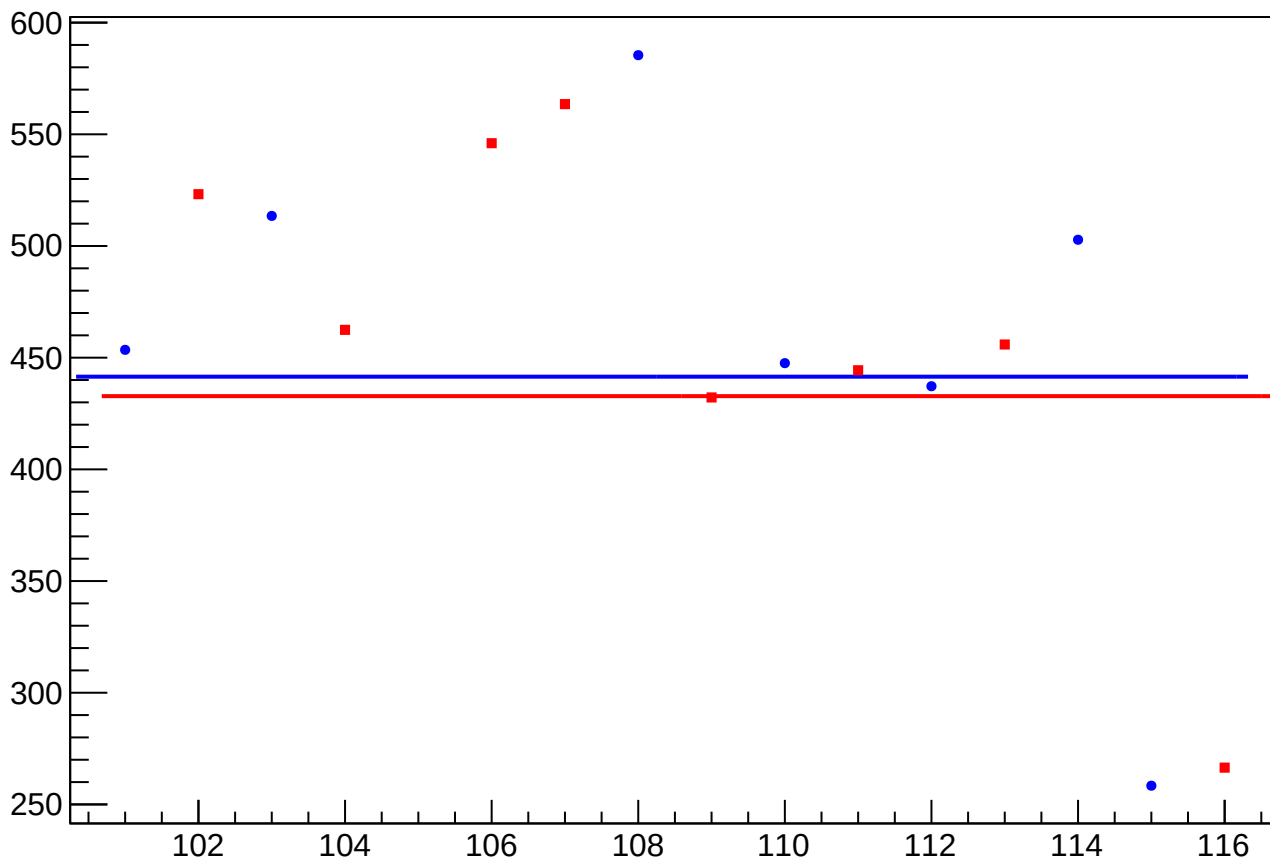
Right: -241.117+/-183.188  $\chi^2/\text{NDF}$ : 14.1/14

In: -54.039+/-279.236  $\chi^2/\text{NDF}$ : 8.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -241.117+/-183.188  $\chi^2/\text{NDF}$ : 14.1/14

asym\_sam\_1357\_2468\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 441.493+/-0.197  $\chi^2/\text{NDF}$ : 208841.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 432.778+/-0.172  $\chi^2/\text{NDF}$ : 296951.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 436.529+/-0.130  $\chi^2/\text{NDF}$ : 506902.0/14

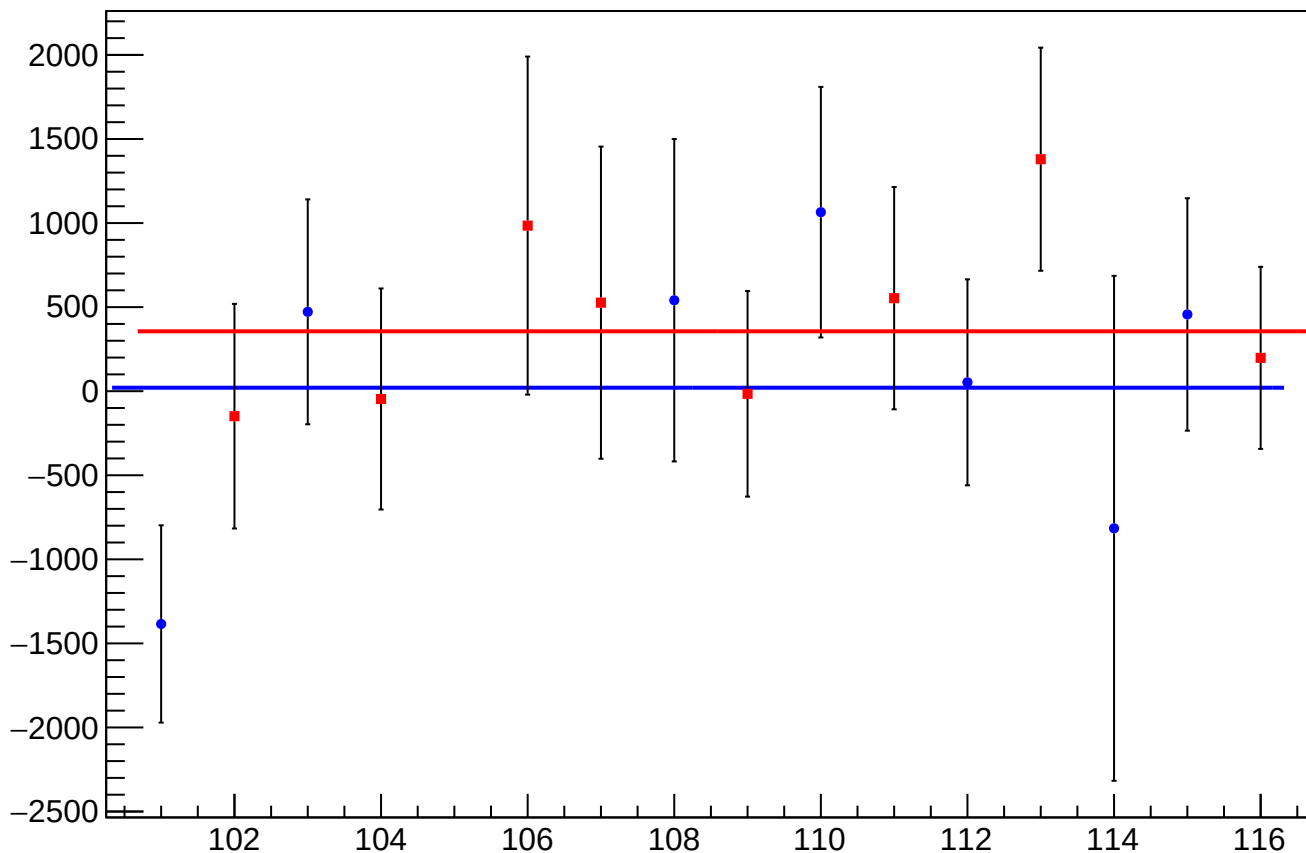
In: 441.493+/-0.197  $\chi^2/\text{NDF}$ :208841.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 436.529+/-0.130  $\chi^2/\text{NDF}$ : 506902.0/14



asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In: 20.680 $\pm$ 274.923  $\chi^2$ /NDF: 9.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 356.140 $\pm$ 240.074  $\chi^2$ /NDF: 4.3/7

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

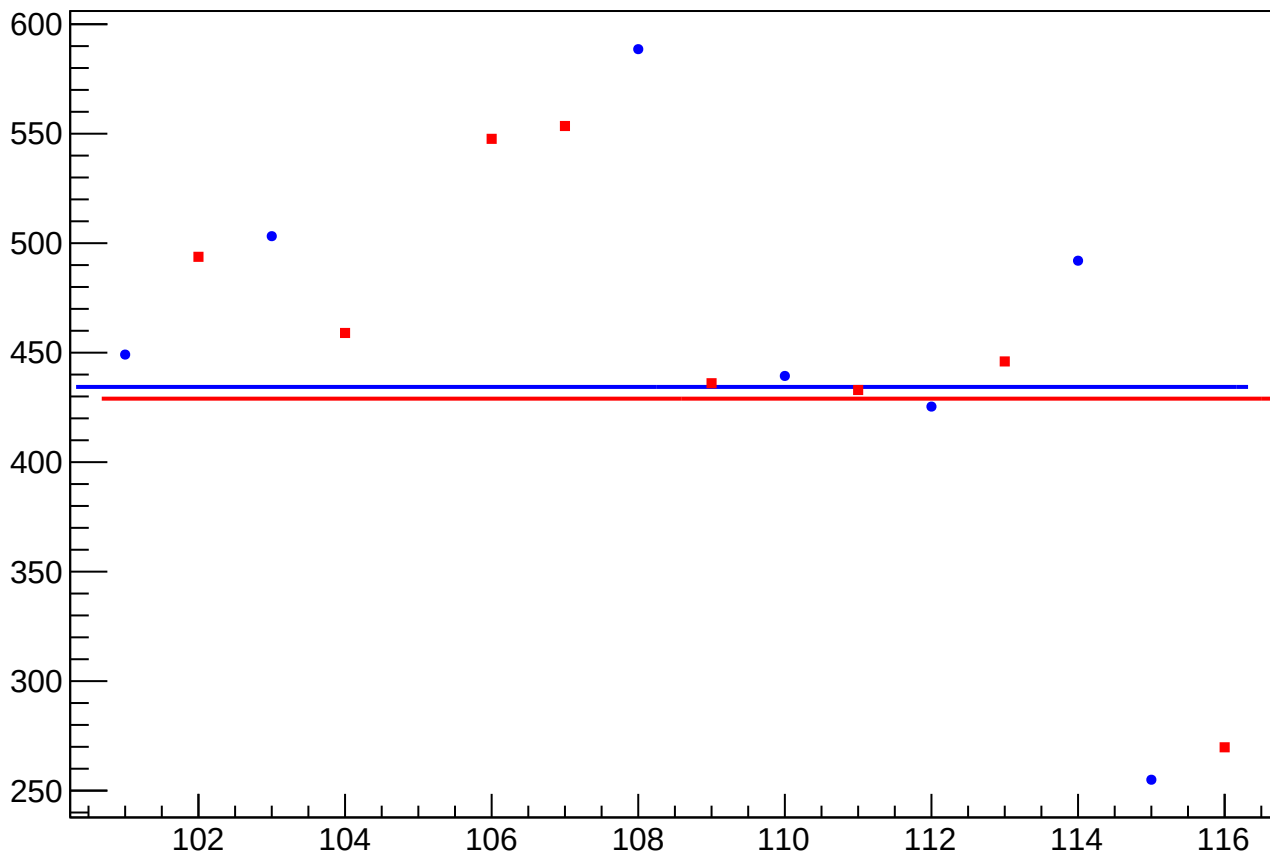
Right: 211.007 $\pm$ 180.832  $\chi^2$ /NDF: 14.3/14

In: 20.680 $\pm$ 274.923  $\chi^2$ /NDF:9.2/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 211.007 $\pm$ 180.832  $\chi^2$ /NDF: 14.3/14

asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 434.355+/-0.194  $\chi^2/\text{NDF}$ : 212383.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 429.001+/-0.170  $\chi^2/\text{NDF}$ : 261357.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

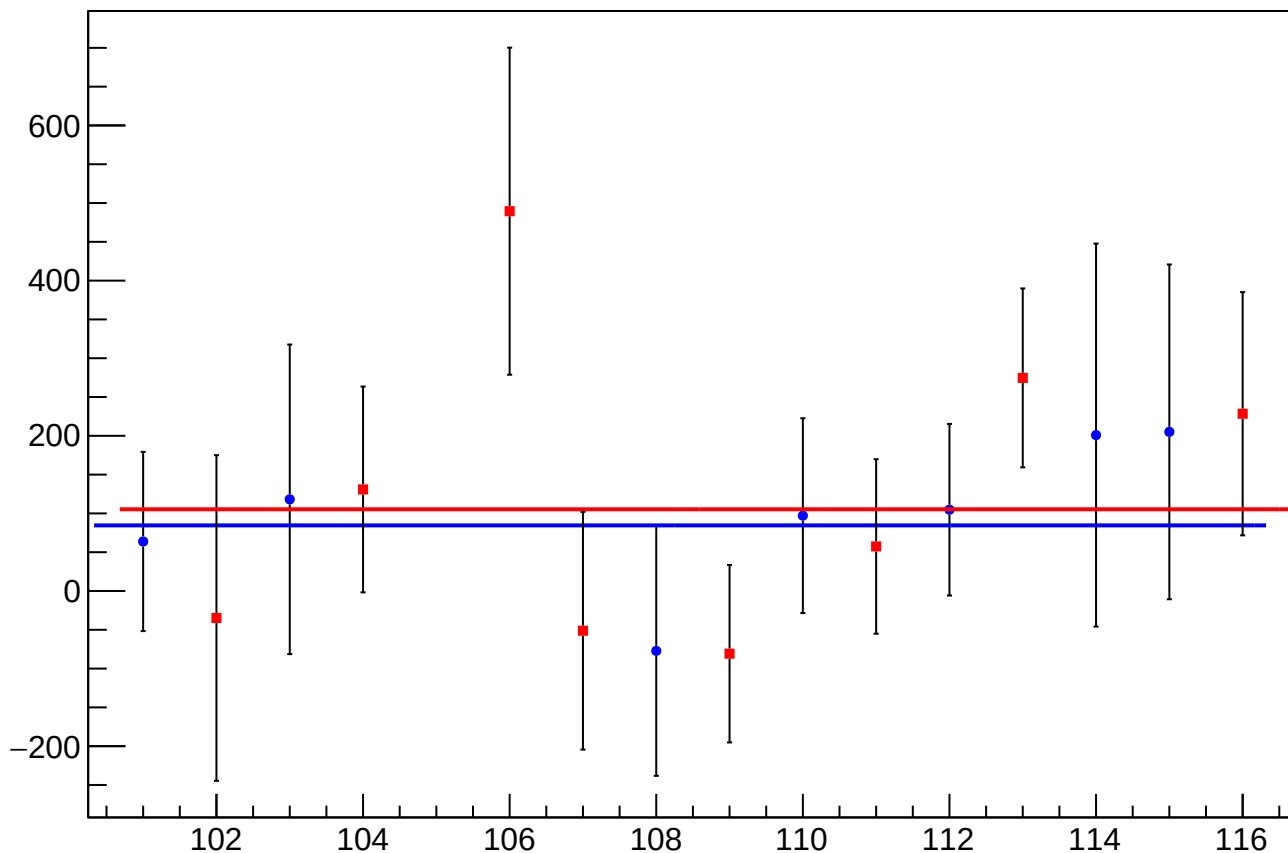
Right: 431.317+/-0.128  $\chi^2/\text{NDF}$ : 474171.3/14

In: 434.355+/-0.194  $\chi^2/\text{NDF}$ : 212383.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 431.317+/-0.128  $\chi^2/\text{NDF}$ : 474171.3/14

dit\_asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In: 84.560+/-55.746  $\chi^2/\text{NDF}$ : 1.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 105.315+/-49.027  $\chi^2/\text{NDF}$ : 10.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

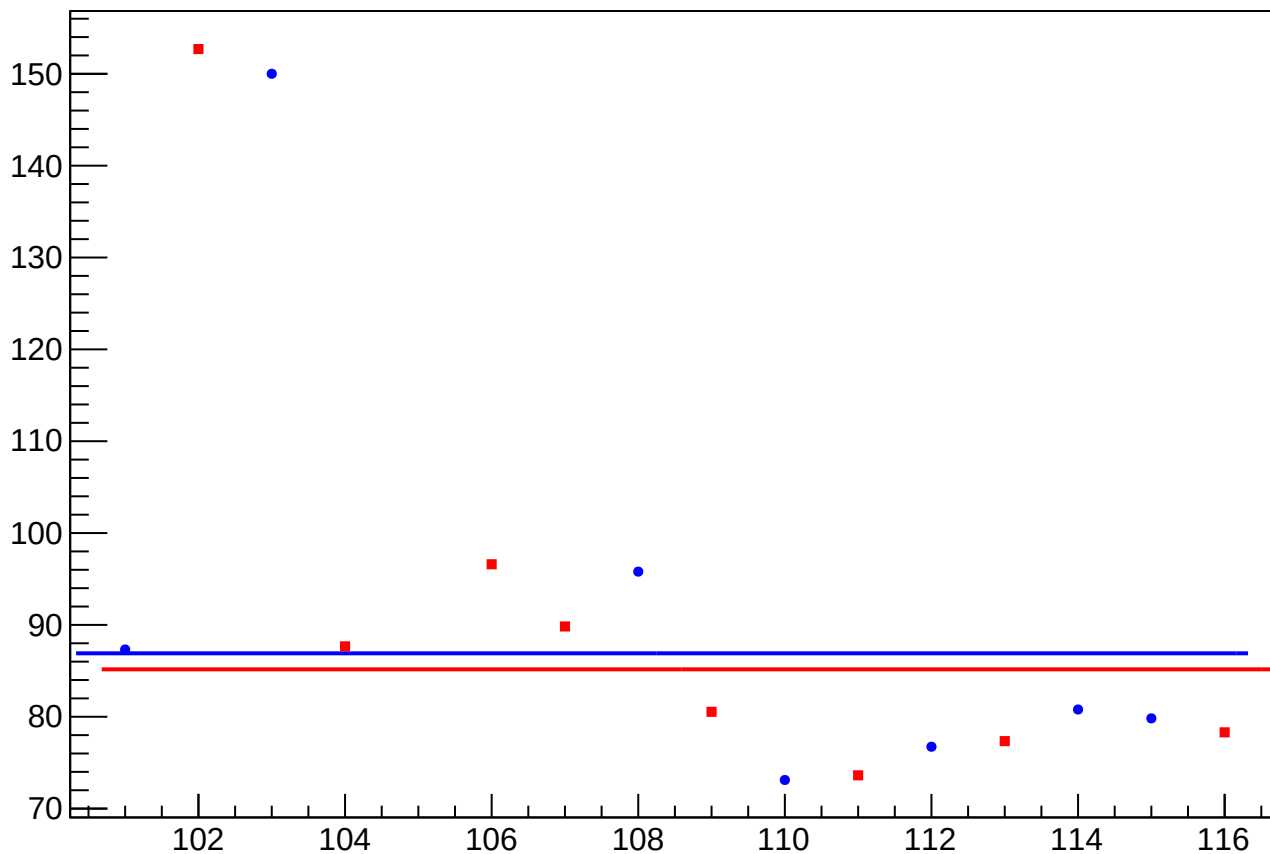
Right: 96.263+/-36.815  $\chi^2/\text{NDF}$ : 12.2/14

In: 84.560+/-55.746  $\chi^2/\text{NDF}$ : 1.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 96.263+/-36.815  $\chi^2/\text{NDF}$ : 12.2/14

dit\_asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 86.907 $\pm$ 0.039  $\chi^2$ /NDF: 250640.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 85.163 $\pm$ 0.035  $\chi^2$ /NDF: 252969.2/7

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

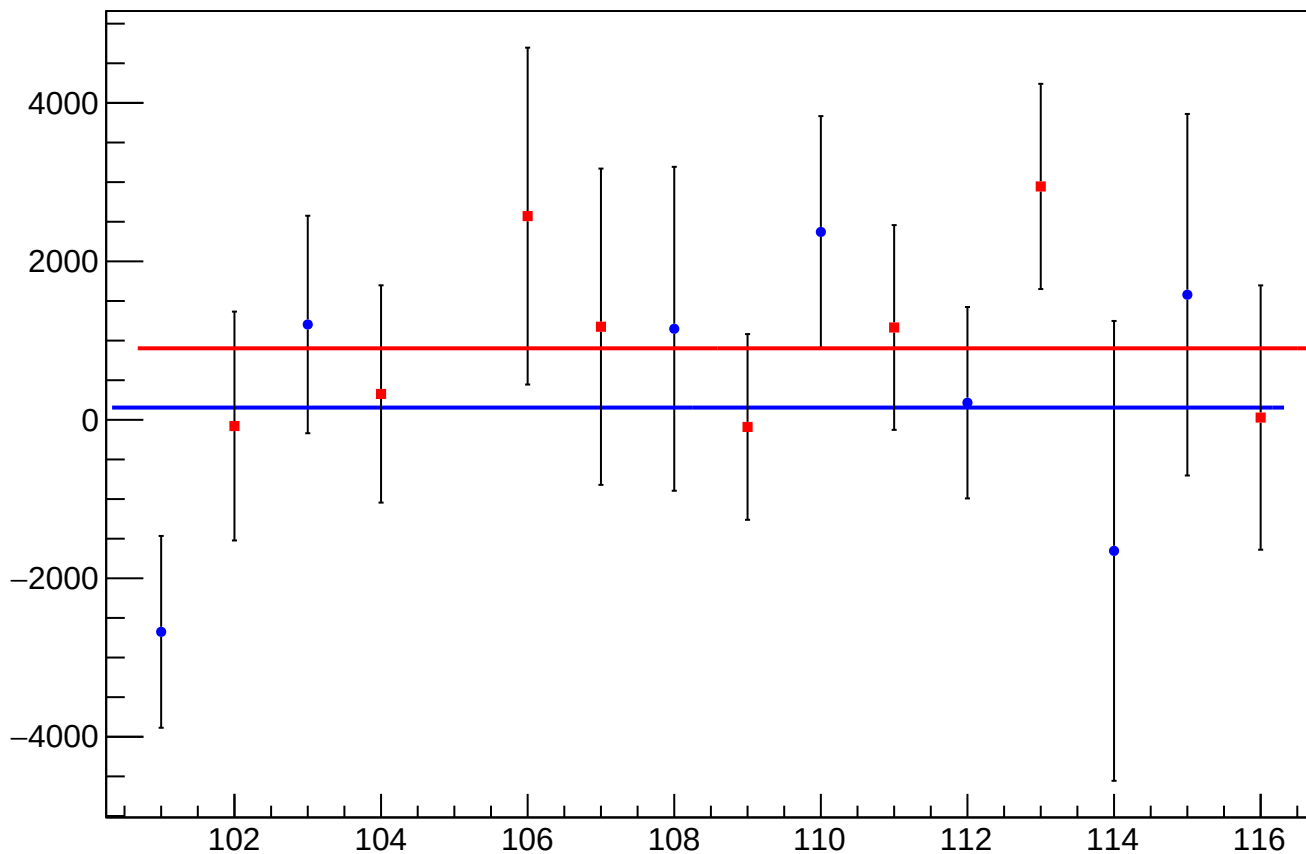
Right: 85.923 $\pm$ 0.026  $\chi^2$ /NDF: 504714.2/14

In: 86.907 $\pm$ 0.039  $\chi^2$ /NDF:250640.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 85.923 $\pm$ 0.026  $\chi^2$ /NDF: 504714.2/14

asym\_sam\_12345678\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 154.815+/-585.533  $\chi^2/\text{NDF}$ : 9.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 902.720+/-515.298  $\chi^2/\text{NDF}$ : 4.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

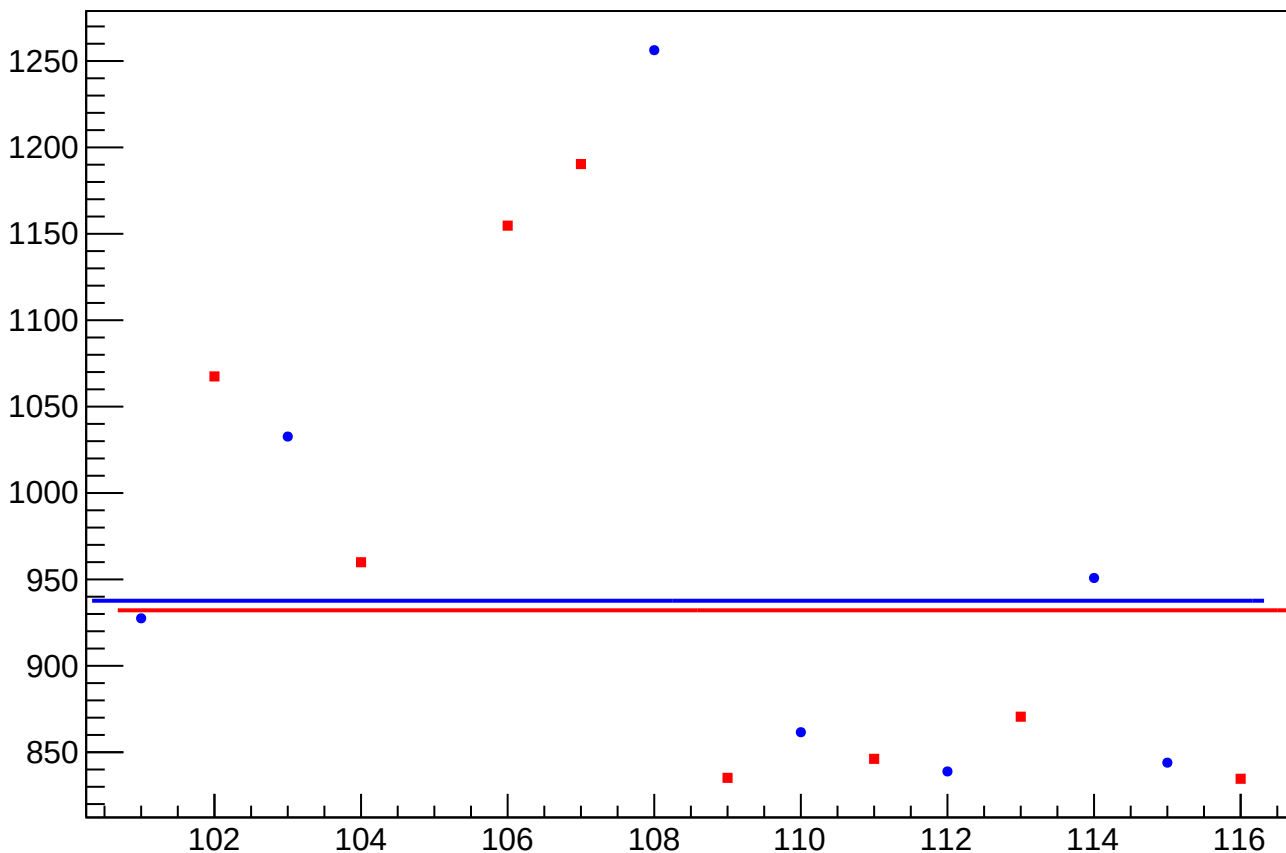
Right: 576.292+/-386.832  $\chi^2/\text{NDF}$ : 15.1/14

In: 154.815+/-585.533  $\chi^2/\text{NDF}$ : 9.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 576.292+/-386.832  $\chi^2/\text{NDF}$ : 15.1/14

asym\_sam\_12345678\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 937.673+/-0.414  $\chi^2/\text{NDF}$ : 80520.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 932.123+/-0.364  $\chi^2/\text{NDF}$ : 107686.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

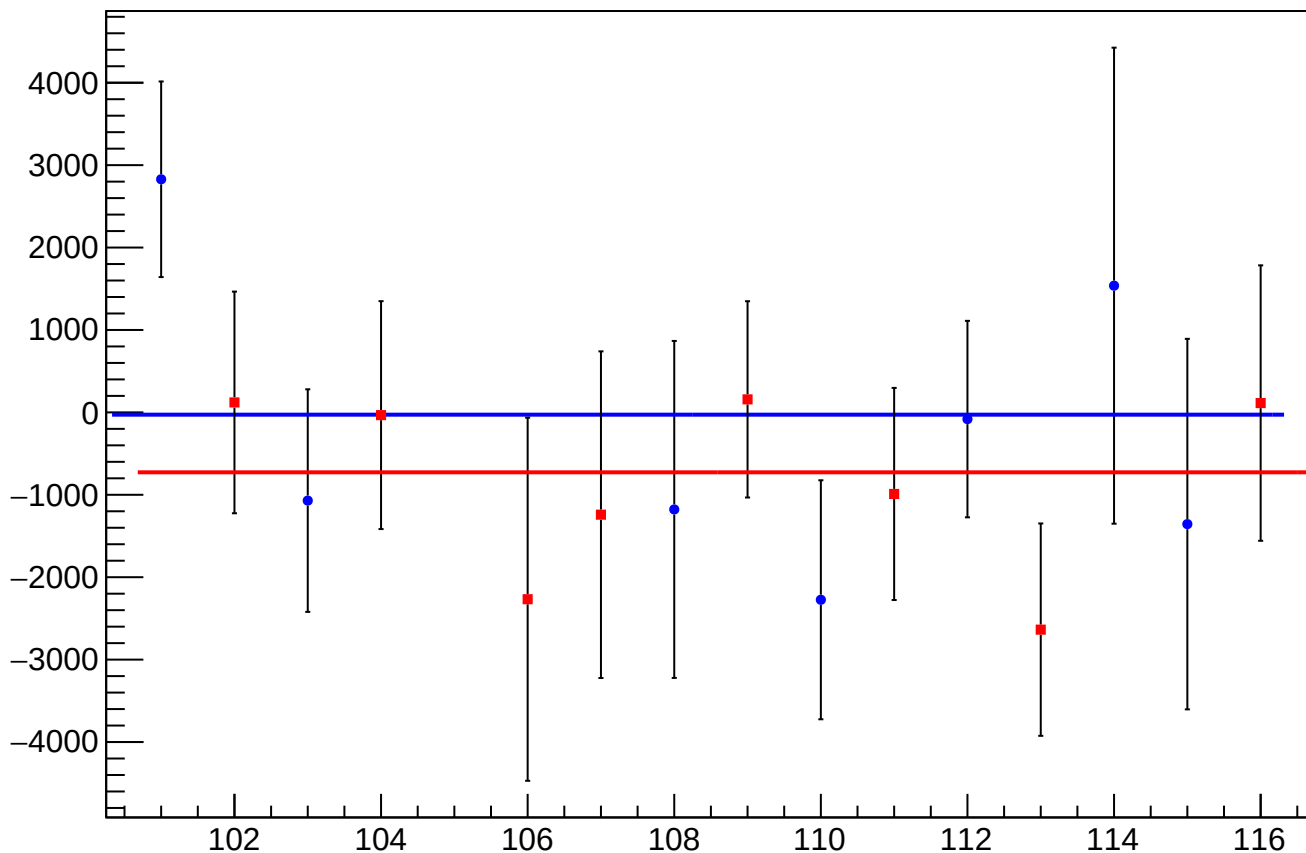
Right: 934.545+/-0.274  $\chi^2/\text{NDF}$ : 188308.0/14

In: 937.673+/-0.414  $\chi^2/\text{NDF}$ : 80520.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 934.545+/-0.274  $\chi^2/\text{NDF}$ : 188308.0/14

asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In: -27.748 $\pm$ 577.868  $\chi^2$ /NDF: 9.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -727.262 $\pm$ 512.599  $\chi^2$ /NDF: 4.2/7

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

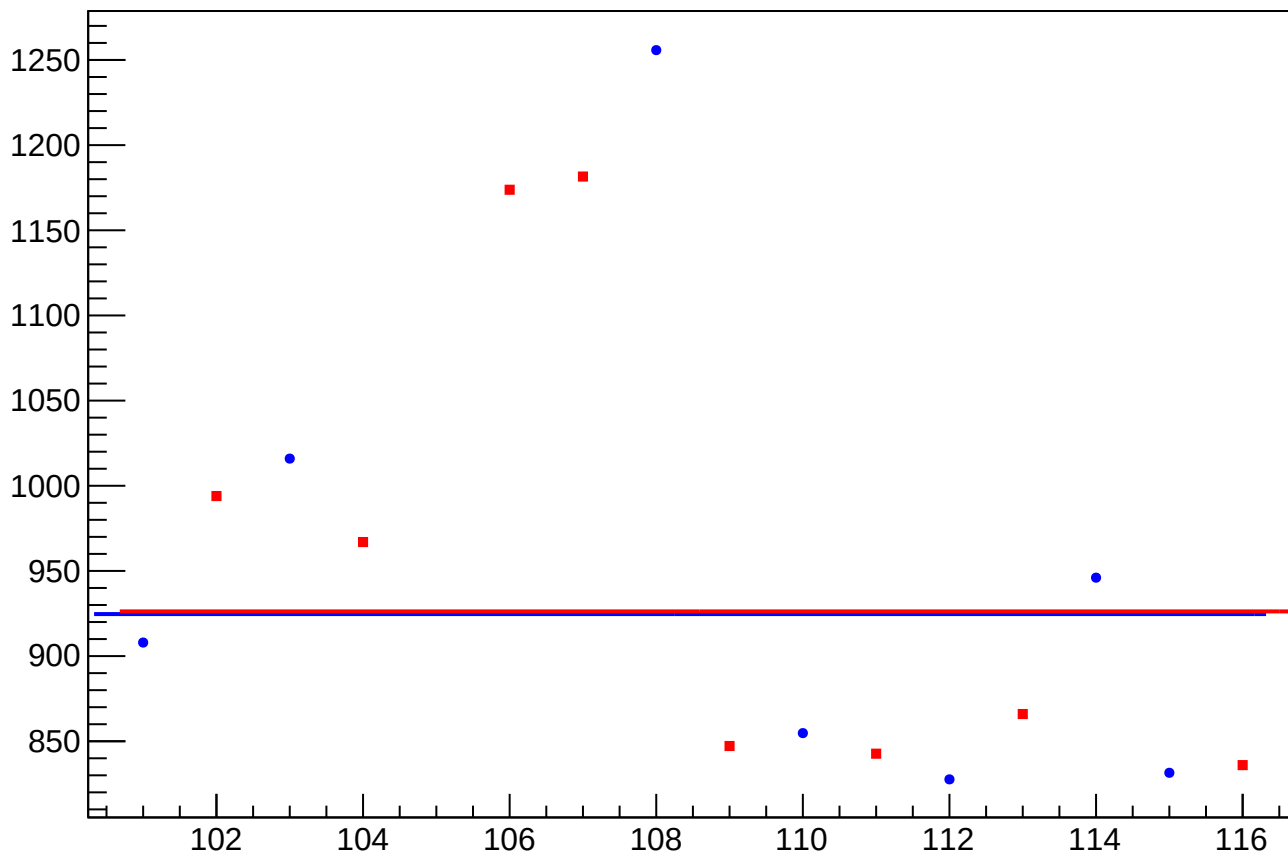
Right: -419.225 $\pm$ 383.471  $\chi^2$ /NDF: 14.8/14

In: -27.748 $\pm$ 577.868  $\chi^2$ /NDF:9.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -419.225 $\pm$ 383.471  $\chi^2$ /NDF: 14.8/14

asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 924.670+/-0.409  $\chi^2/\text{NDF}$ : 83437.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 926.239+/-0.362  $\chi^2/\text{NDF}$ : 92693.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 925.548+/-0.271  $\chi^2/\text{NDF}$ : 176139.9/14

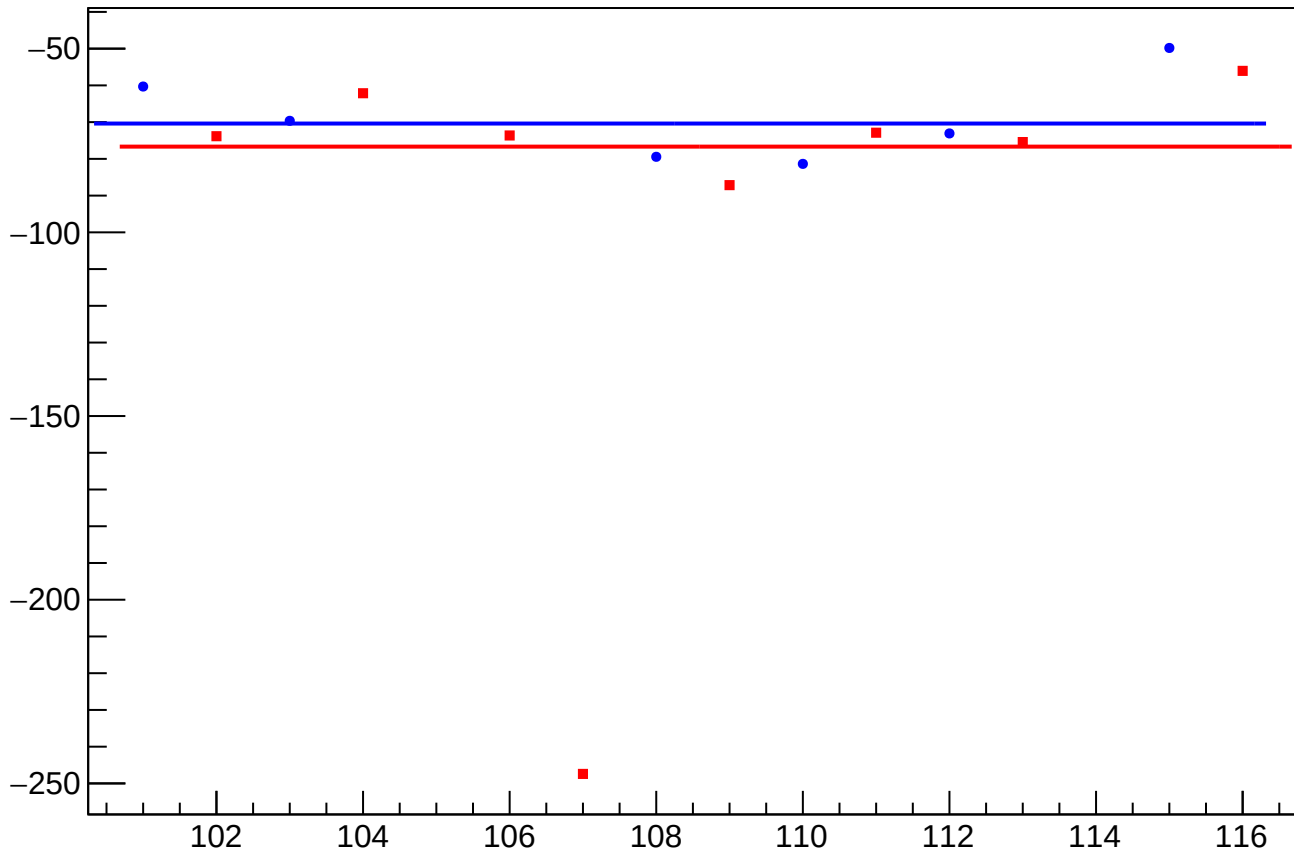
In: 924.670+/-0.409  $\chi^2/\text{NDF}$ : 83437.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 925.548+/-0.271  $\chi^2/\text{NDF}$ : 176139.9/14



# dit\_usl\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-70.386 \pm 0.183$   $\chi^2/\text{NDF}$ : 1580.8/5

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-76.667 \pm 0.134$   $\chi^2/\text{NDF}$ : 27864.0/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

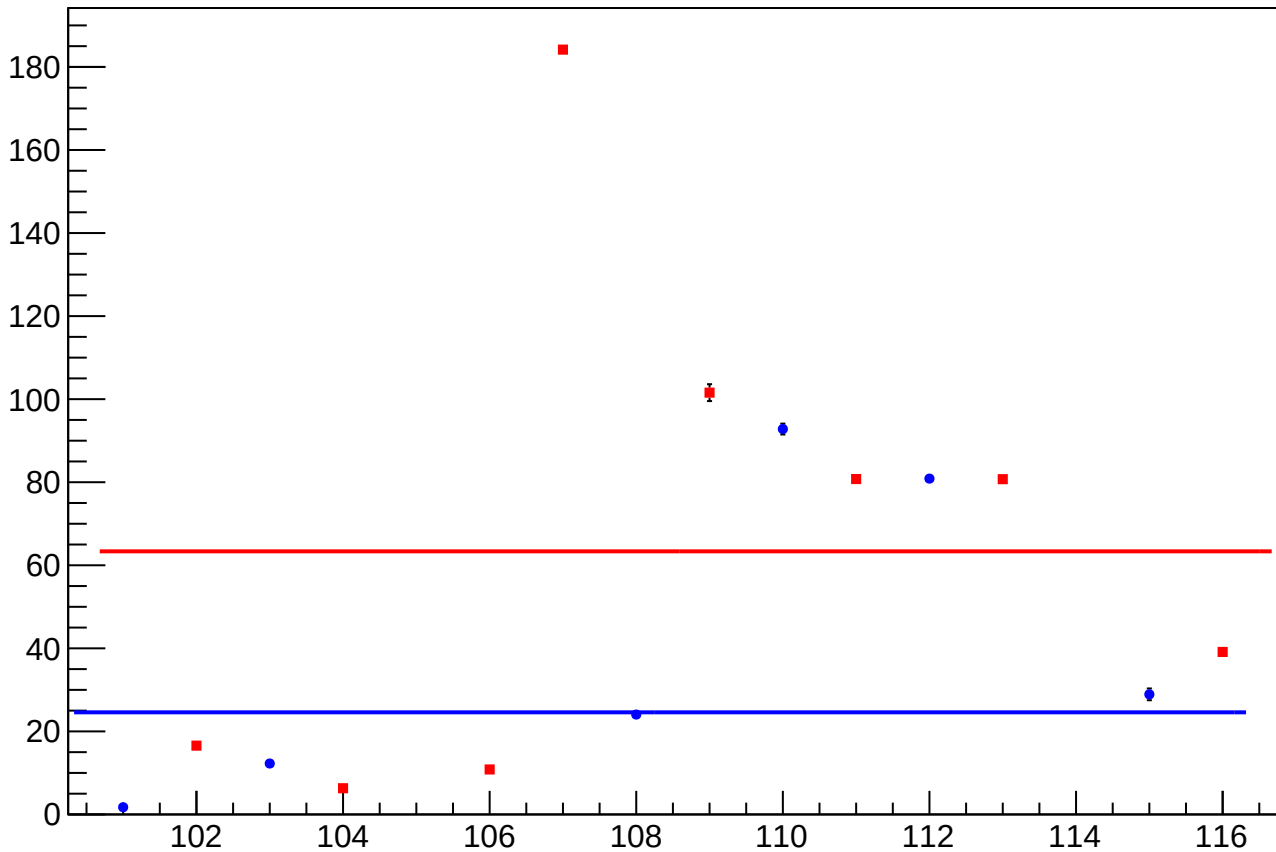
Right:  $-74.469 \pm 0.108$   $\chi^2/\text{NDF}$ : 30207.8/13

In:  $-70.386 \pm 0.183$   $\chi^2/\text{NDF}$ : 1580.8/5

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-74.469 \pm 0.108$   $\chi^2/\text{NDF}$ : 30207.8/13

# dit\_usl\_4eX\_slope vs Slug, Sign Corrected



Right In: 24.591+/-0.168  $\chi^2/\text{NDF}$ : 28974.6/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 63.357+/-0.167  $\chi^2/\text{NDF}$ : 57024.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

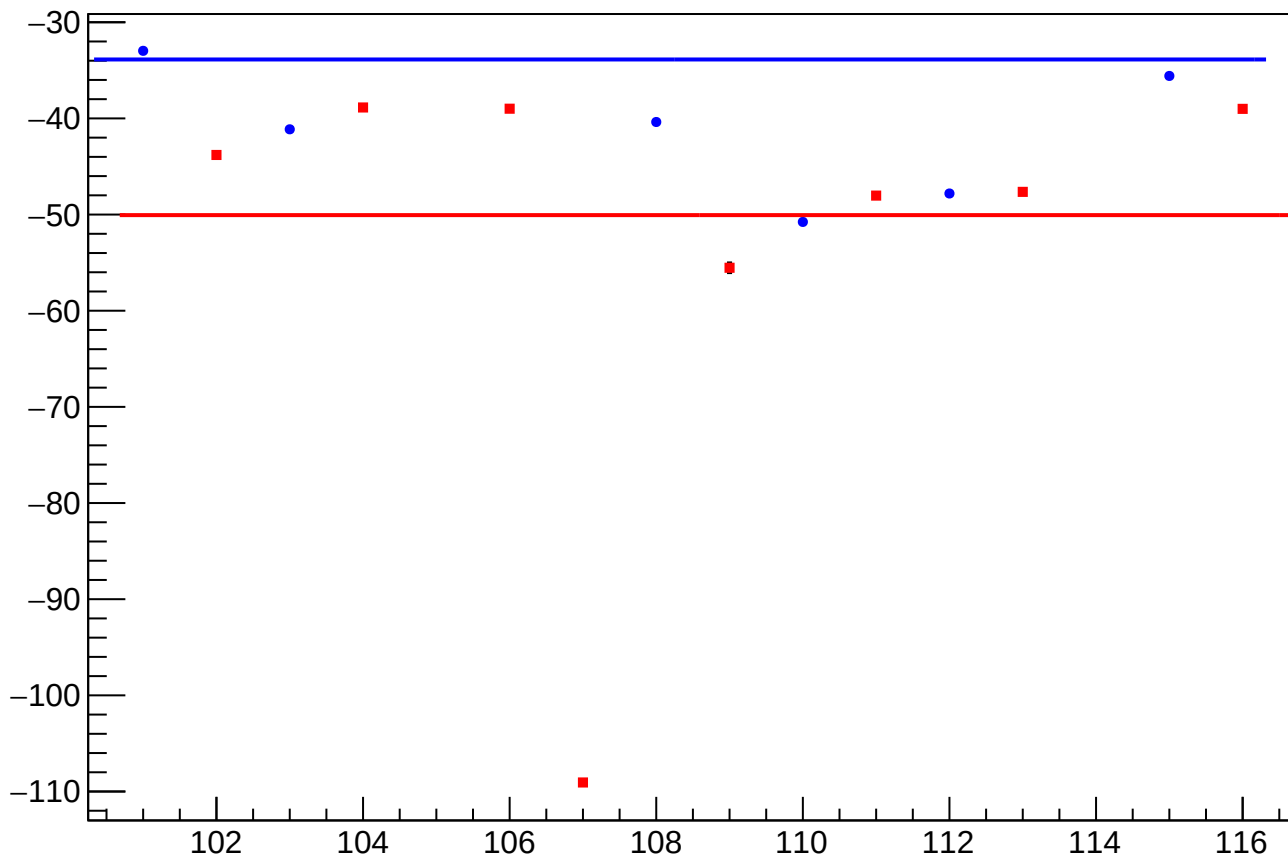
Right: 44.059+/-0.118  $\chi^2/\text{NDF}$ : 112806.9/13

In: 24.591+/-0.168  $\chi^2/\text{NDF}$ : 28974.6/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 44.059+/-0.118  $\chi^2/\text{NDF}$ : 112806.9/13

# dit\_usl\_11X12X\_slope vs Slug, Sign Corrected



Right In: -33.872 $\pm$ 0.015  $\chi^2$ /NDF: 48013.4/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -50.058 $\pm$ 0.040  $\chi^2$ /NDF: 212343.7/7

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

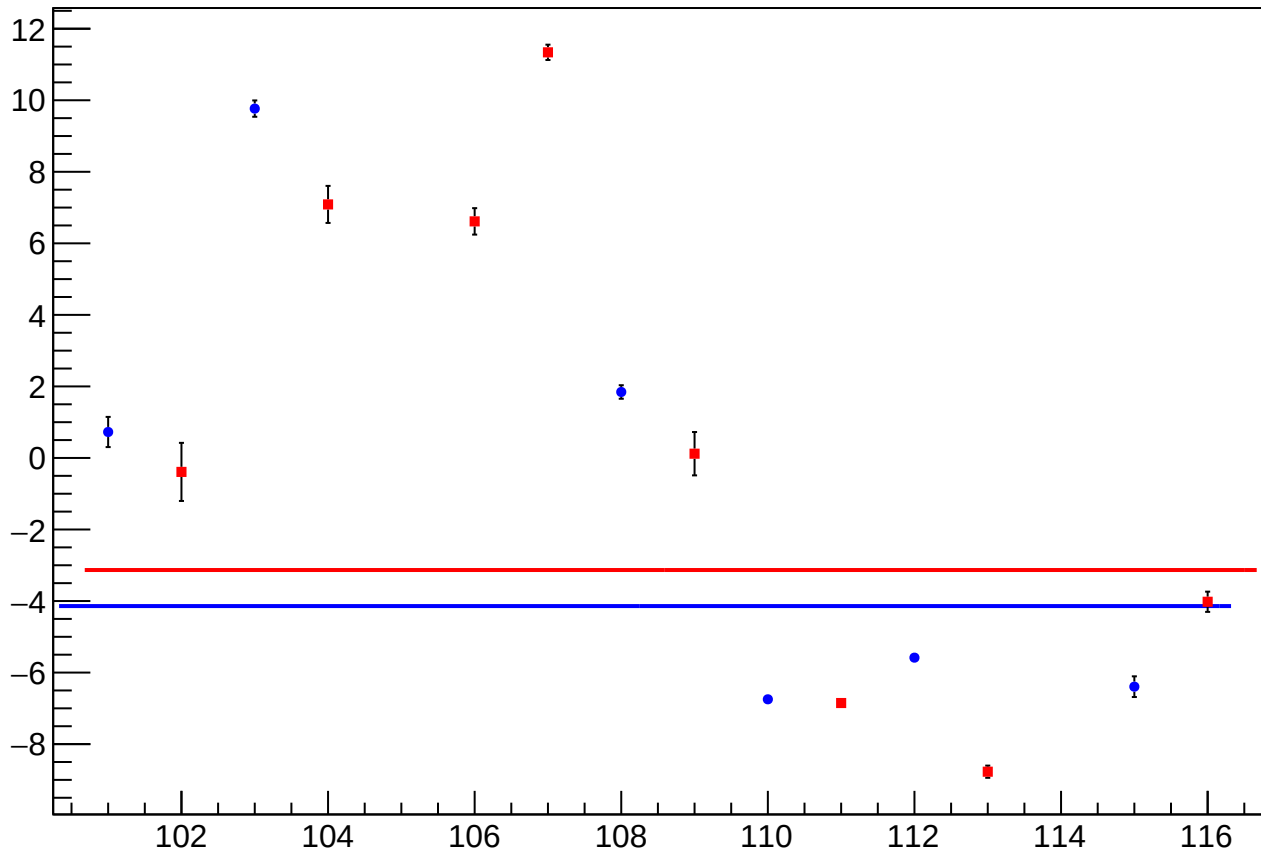
Right: -35.830 $\pm$ 0.014  $\chi^2$ /NDF: 401564.7/13

In: -33.872 $\pm$ 0.015  $\chi^2$ /NDF:48013.4/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -35.830 $\pm$ 0.014  $\chi^2$ /NDF: 401564.7/13

# dit\_usl\_4aY\_slope vs Slug, Sign Corrected



Right In: -4.141+/-0.056  $\chi^2/\text{NDF}$ : 5690.7/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.133+/-0.083  $\chi^2/\text{NDF}$ : 7660.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

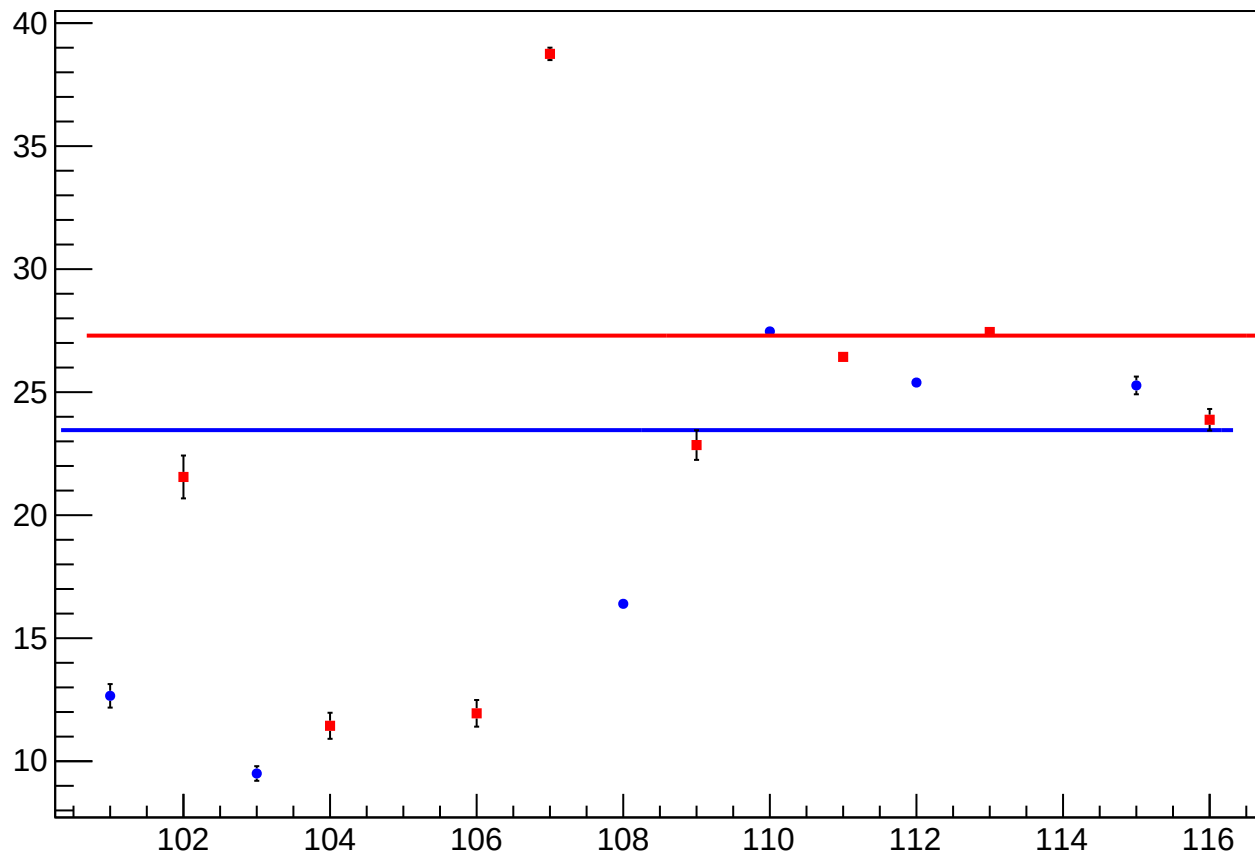
Right: -3.826+/-0.046  $\chi^2/\text{NDF}$ : 13453.7/13

In: -4.141+/-0.056  $\chi^2/\text{NDF}$ : 5690.7/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.826+/-0.046  $\chi^2/\text{NDF}$ : 13453.7/13

# dit\_usl\_4eY\_slope vs Slug, Sign Corrected



Right In: 23.457 $\pm$ 0.070  $\chi^2$ /NDF: 5406.3/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 27.298 $\pm$ 0.091  $\chi^2$ /NDF: 3956.2/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

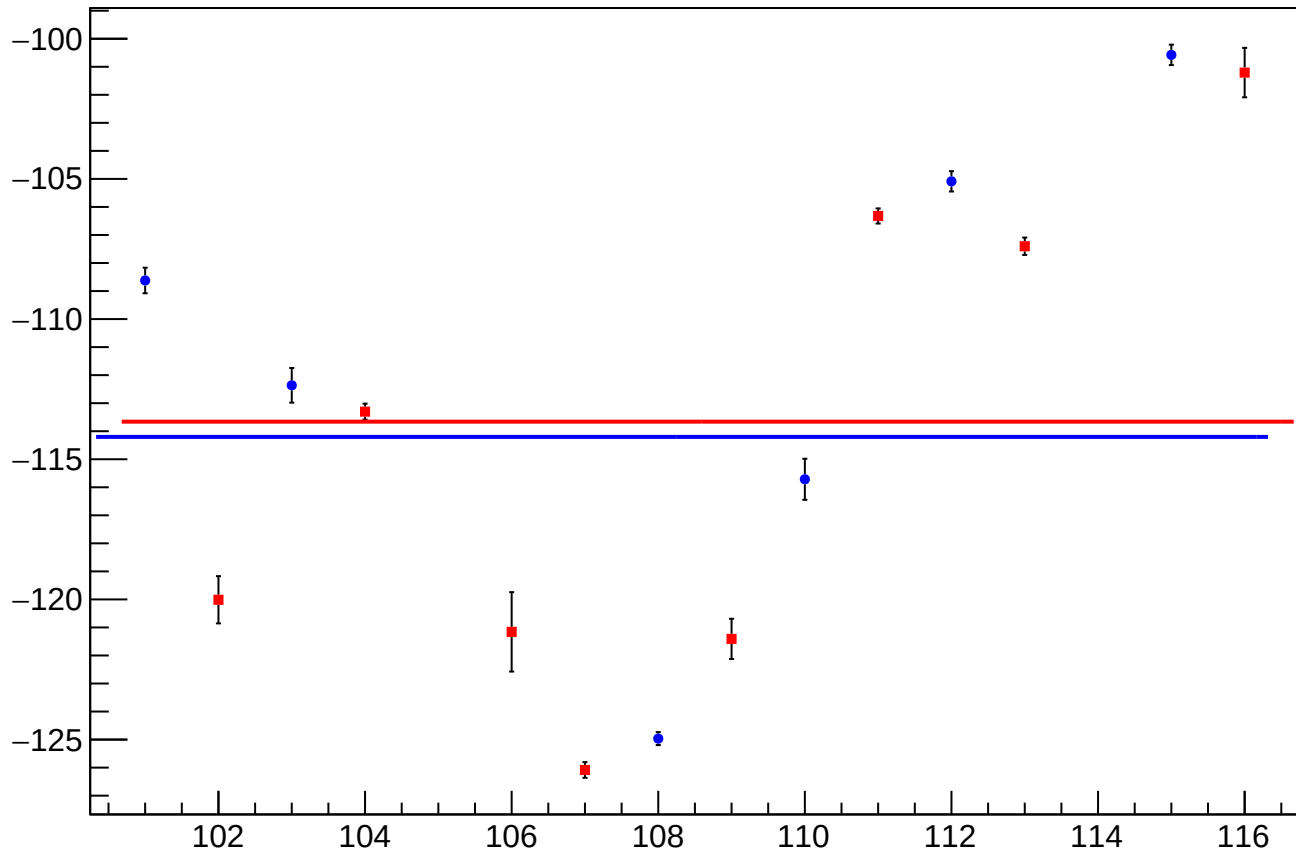
Right: 24.892 $\pm$ 0.056  $\chi^2$ /NDF: 10475.2/13

In: 23.457 $\pm$ 0.070  $\chi^2$ /NDF:5406.3/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 24.892 $\pm$ 0.056  $\chi^2$ /NDF: 10475.2/13

# dit\_usr\_4aX\_slope vs Slug, Sign Corrected



Right In: -114.203+/-0.152  $\chi^2/\text{NDF}$ : 4363.9/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -113.659+/-0.136  $\chi^2/\text{NDF}$ : 3527.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

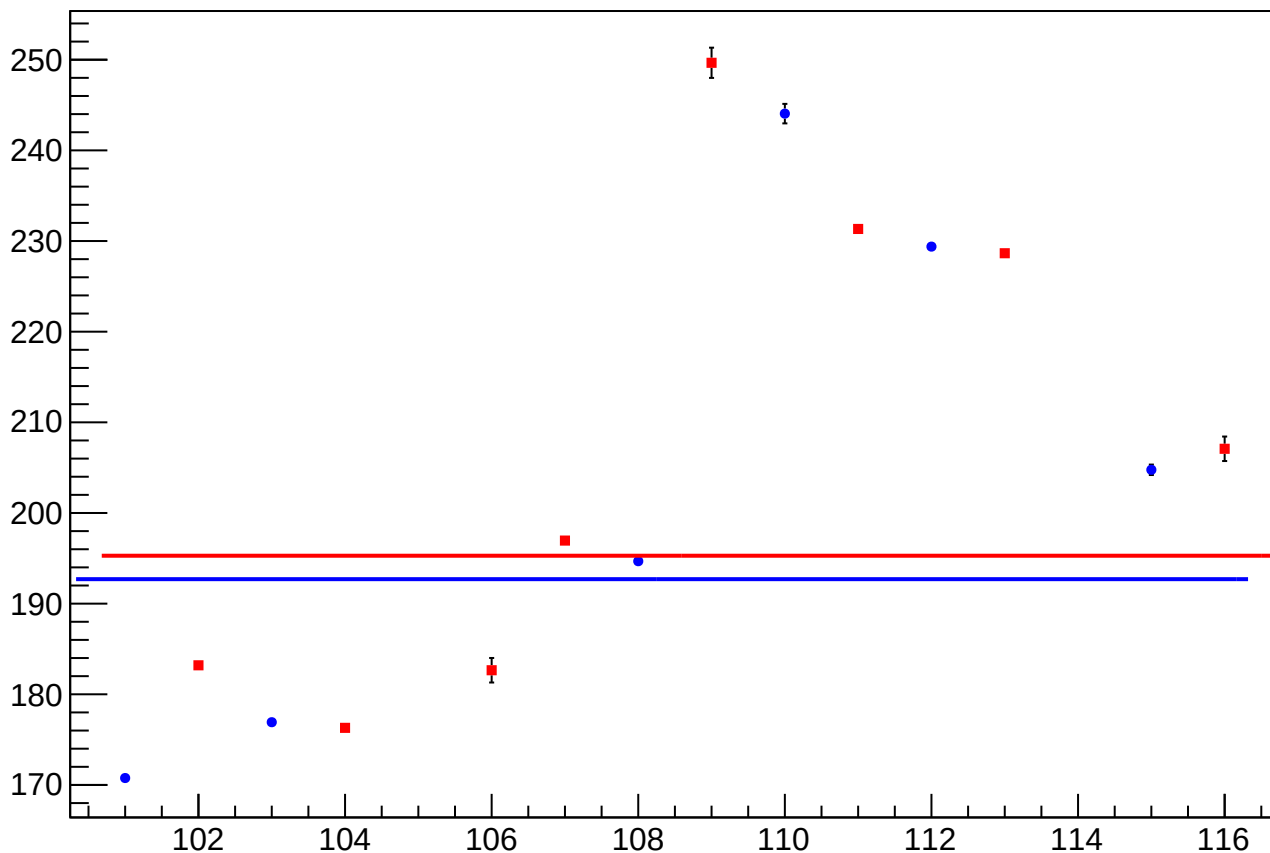
Right: -113.900+/-0.101  $\chi^2/\text{NDF}$ : 7898.1/13

In: -114.203+/-0.152  $\chi^2/\text{NDF}$ :4363.9/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -113.900+/-0.101  $\chi^2/\text{NDF}$ : 7898.1/13

# dit\_usr\_4eX\_slope vs Slug, Sign Corrected



Right In: 192.700+/-0.141  $\chi^2/\text{NDF}$ : 15379.6/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 195.285+/-0.128  $\chi^2/\text{NDF}$ : 28998.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

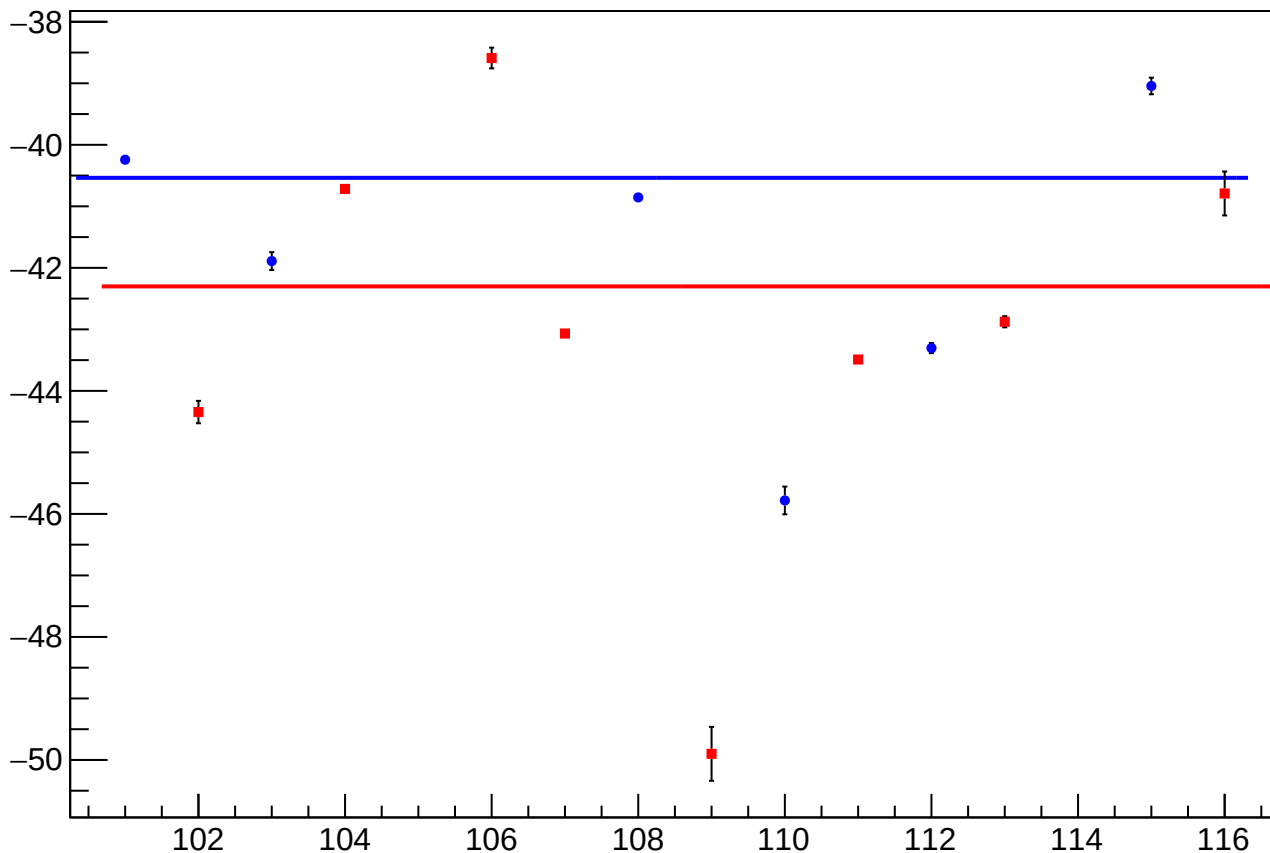
Right: 194.121+/-0.095  $\chi^2/\text{NDF}$ : 44563.4/13

In: 192.700+/-0.141  $\chi^2/\text{NDF}$ : 15379.6/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 194.121+/-0.095  $\chi^2/\text{NDF}$ : 44563.4/13

# dit\_usr\_11X12X\_slope vs Slug, Sign Corrected



Right In: -40.537 $\pm$ 0.020  $\chi^2$ /NDF: 2064.3/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -42.302 $\pm$ 0.033  $\chi^2$ /NDF: 2088.3/7

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: -41.005 $\pm$ 0.017  $\chi^2$ /NDF: 6212.6/13

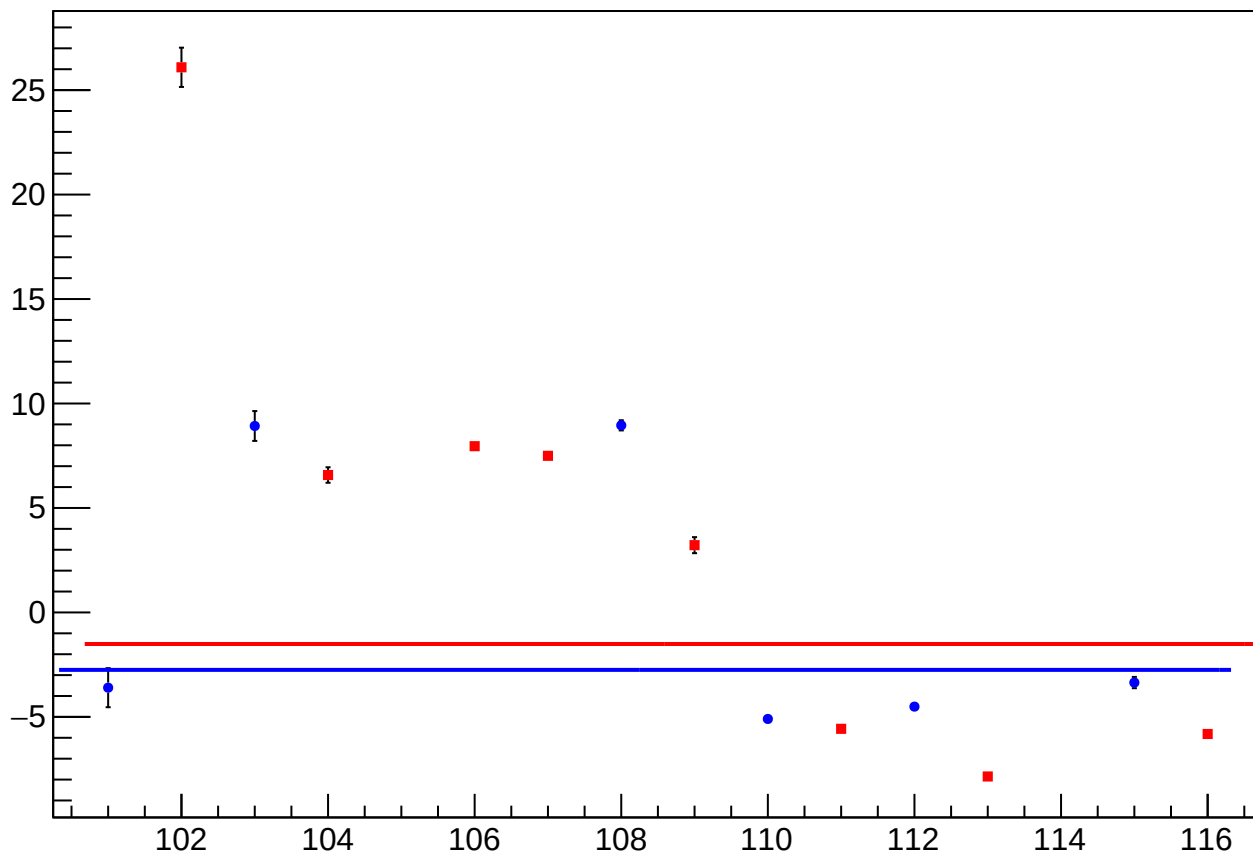
In: -40.537 $\pm$ 0.020  $\chi^2$ /NDF:2064.3/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -41.005 $\pm$ 0.017  $\chi^2$ /NDF: 6212.6/13



# dit\_usr\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-2.749 \pm 0.083$   $\chi^2/\text{NDF}$ : 2985.6/5

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.511 \pm 0.045$   $\chi^2/\text{NDF}$ : 20451.4/7

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

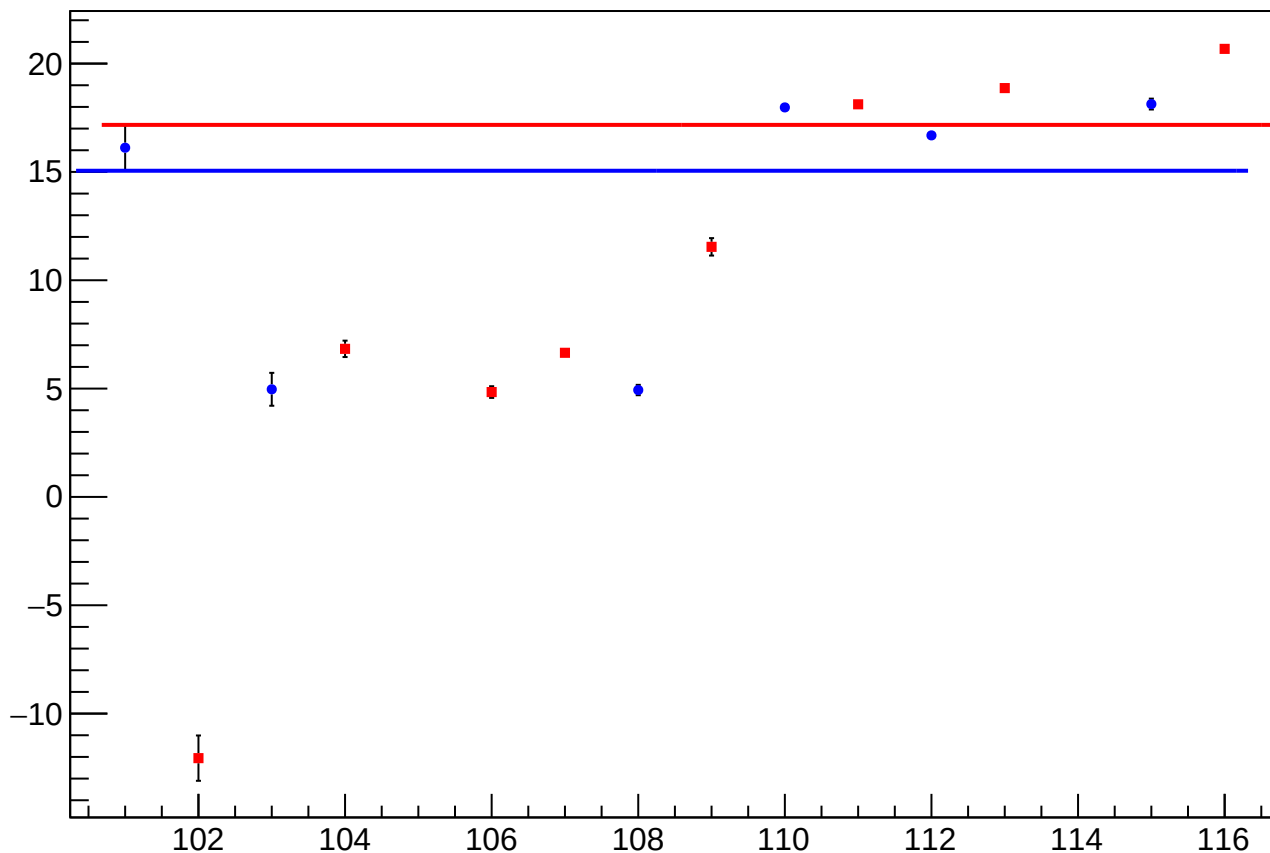
Right:  $-1.790 \pm 0.039$   $\chi^2/\text{NDF}$ : 23611.2/13

In:  $-2.749 \pm 0.083$   $\chi^2/\text{NDF}$ : 2985.6/5

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.790 \pm 0.039$   $\chi^2/\text{NDF}$ : 23611.2/13

# dit\_usr\_4eY\_slope vs Slug, Sign Corrected



Right In: 15.054+/-0.097  $\chi^2/\text{NDF}$ : 2442.1/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 17.171+/-0.042  $\chi^2/\text{NDF}$ : 18206.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

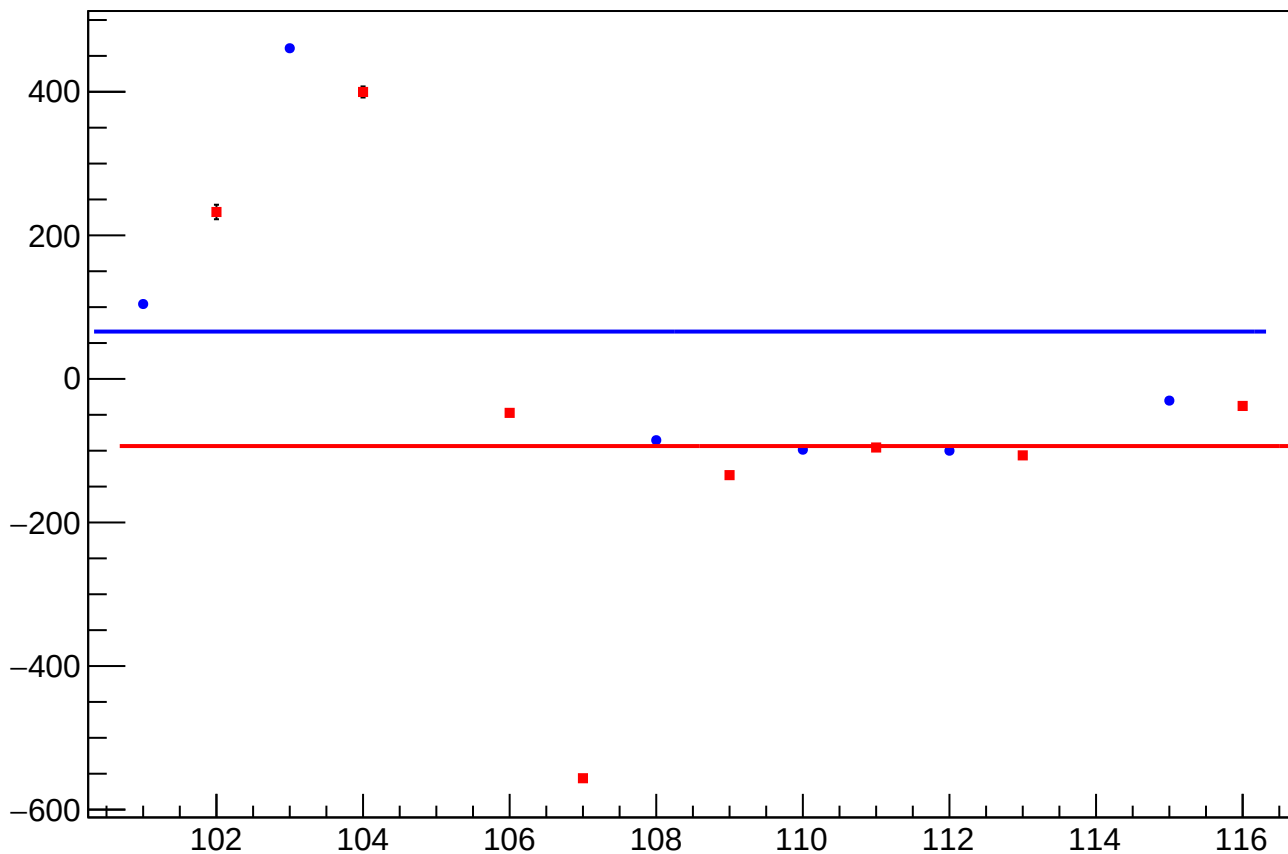
Right: 16.832+/-0.039  $\chi^2/\text{NDF}$ : 21046.7/13

In: 15.054+/-0.097  $\chi^2/\text{NDF}$ : 2442.1/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 16.832+/-0.039  $\chi^2/\text{NDF}$ : 21046.7/13

# dit\_atl1\_4aX\_slope vs Slug, Sign Corrected



Right In: 65.963+/-0.355  $\chi^2/\text{NDF}$ : 361702.5/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -93.537+/-0.379  $\chi^2/\text{NDF}$ : 26073.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

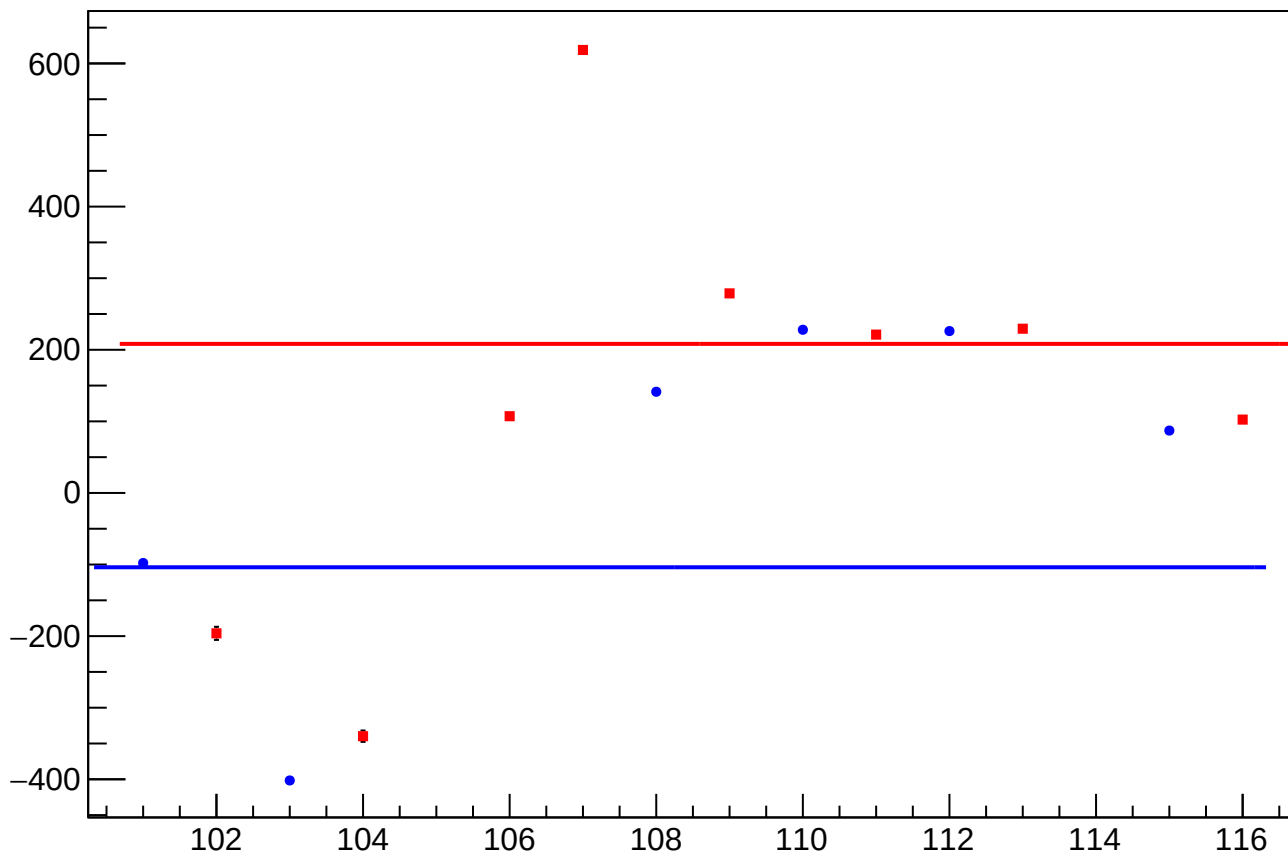
Right: -8.511+/-0.259  $\chi^2/\text{NDF}$ : 482236.8/13

In: 65.963+/-0.355  $\chi^2/\text{NDF}$ : 361702.5/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.511+/-0.259  $\chi^2/\text{NDF}$ : 482236.8/13

# dit\_atl1\_4eX\_slope vs Slug, Sign Corrected



Right In: -103.819+/-0.249  $\chi^2/\text{NDF}$ : 709933.5/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 208.246+/-0.510  $\chi^2/\text{NDF}$ : 32068.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

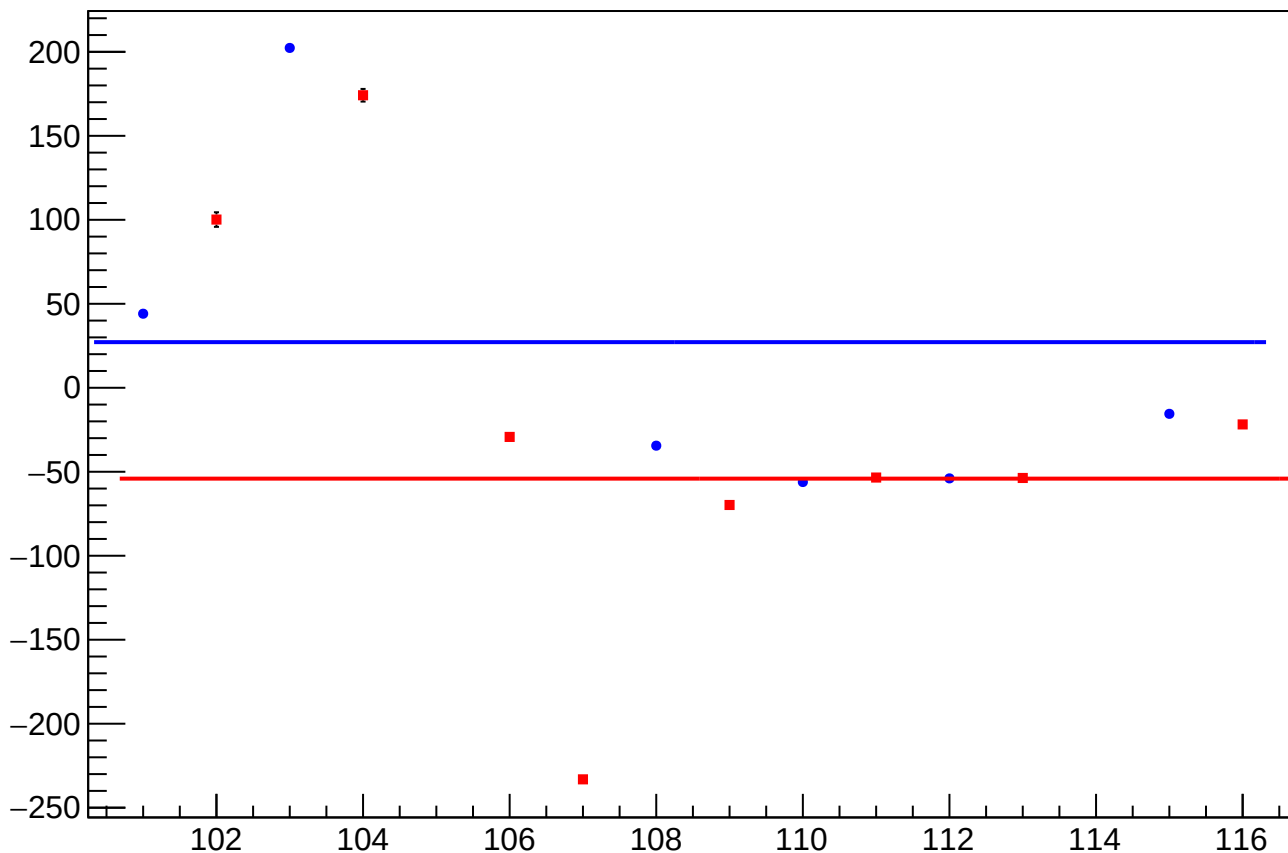
Right: -43.654+/-0.224  $\chi^2/\text{NDF}$ : 1043868.7/13

In: -103.819+/-0.249  $\chi^2/\text{NDF}$ : 709933.5/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -43.654+/-0.224  $\chi^2/\text{NDF}$ : 1043868.7/13

# dit\_atl1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 27.171+/-0.038  $\chi^2/\text{NDF}$ : 2664217.0/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -54.092+/-0.099  $\chi^2/\text{NDF}$ : 53567.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

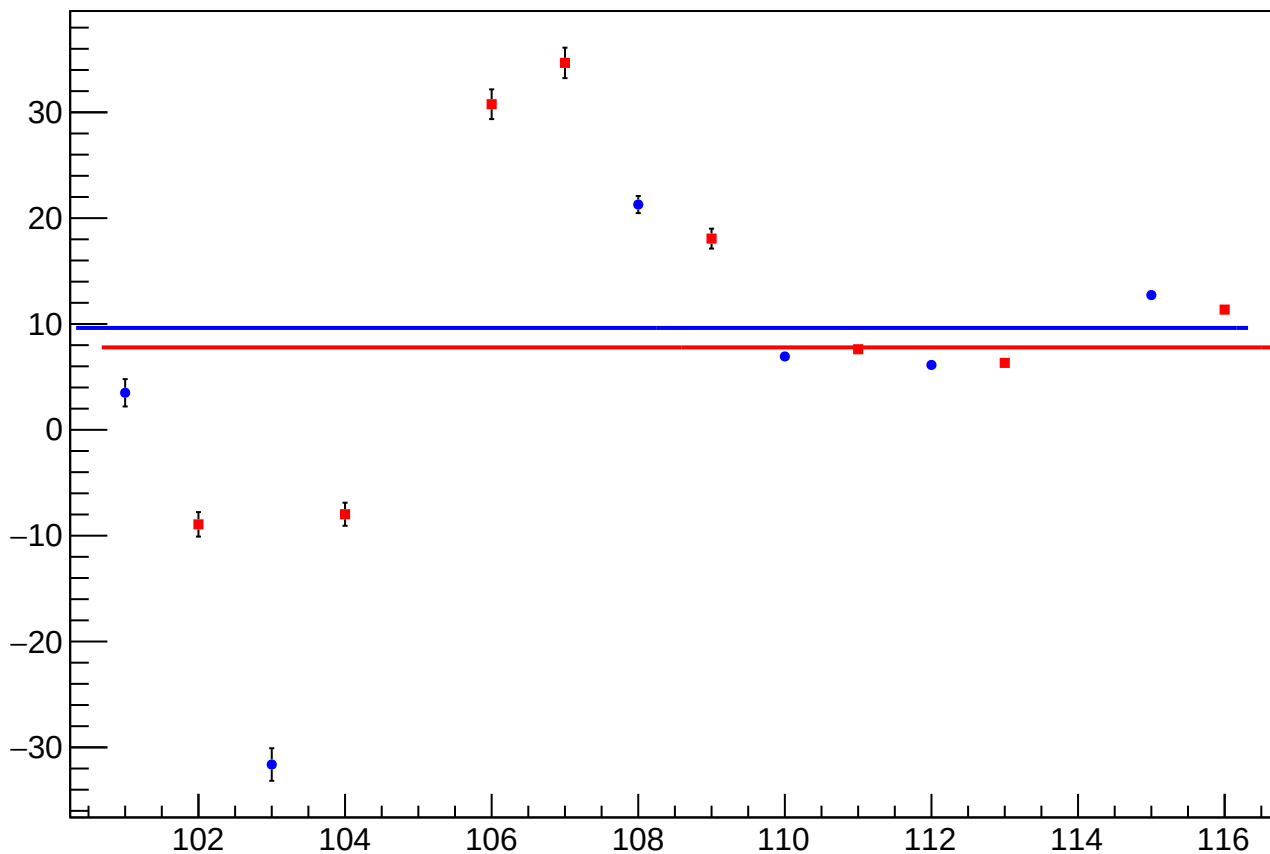
Right: 16.690+/-0.035  $\chi^2/\text{NDF}$ : 3308180.3/13

In: 27.171+/-0.038  $\chi^2/\text{NDF}$ : 2664217.0/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 16.690+/-0.035  $\chi^2/\text{NDF}$ : 3308180.3/13

# dit\_atl1\_4aY\_slope vs Slug, Sign Corrected



Right In: 9.627+/-0.161  $\chi^2/\text{NDF}$ : 1273.8/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.789+/-0.087  $\chi^2/\text{NDF}$ : 1328.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

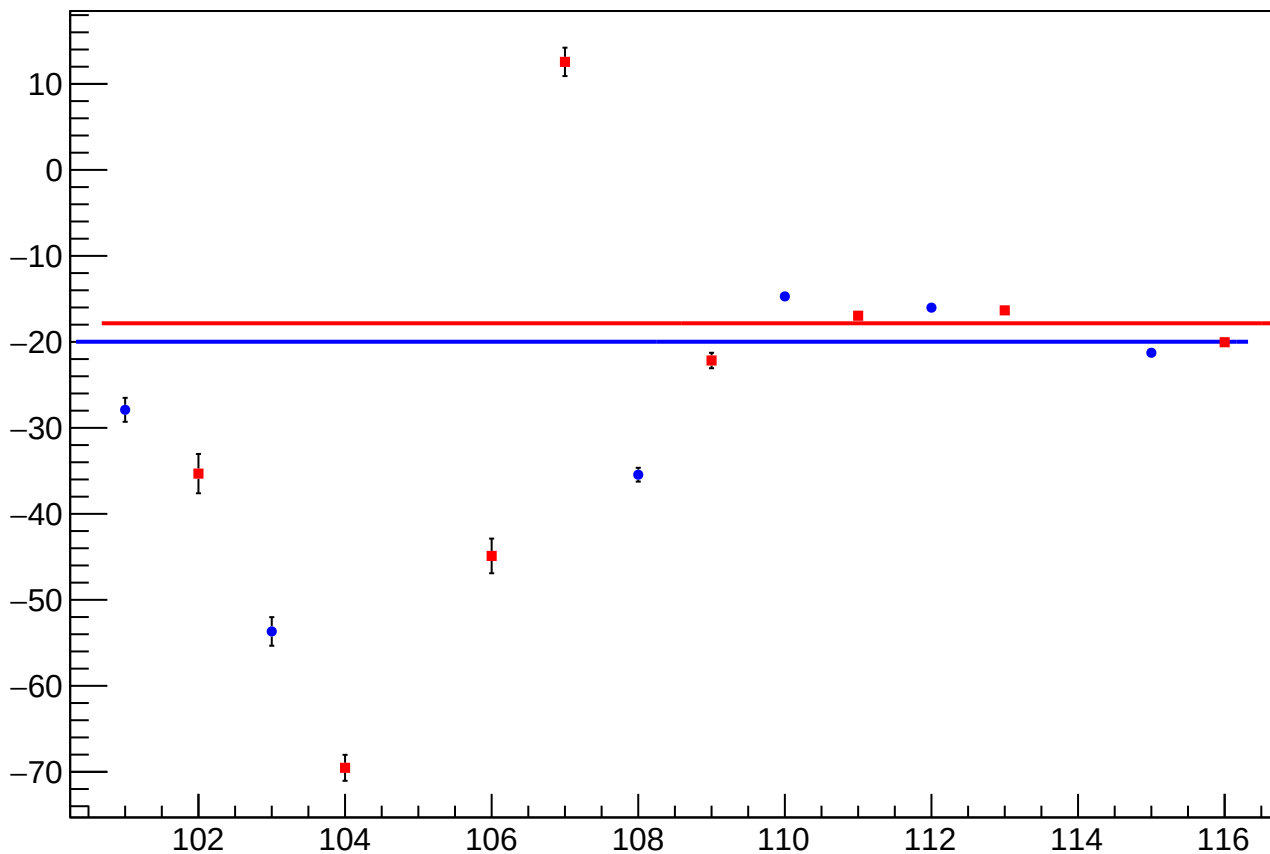
Right: 8.206+/-0.077  $\chi^2/\text{NDF}$ : 2702.4/13

In: 9.627+/-0.161  $\chi^2/\text{NDF}$ : 1273.8/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.206+/-0.077  $\chi^2/\text{NDF}$ : 2702.4/13

# dit\_atl1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-19.985 \pm 0.157$   $\chi^2/\text{NDF}: 1205.2/5$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-17.838 \pm 0.113$   $\chi^2/\text{NDF}: 1927.3/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

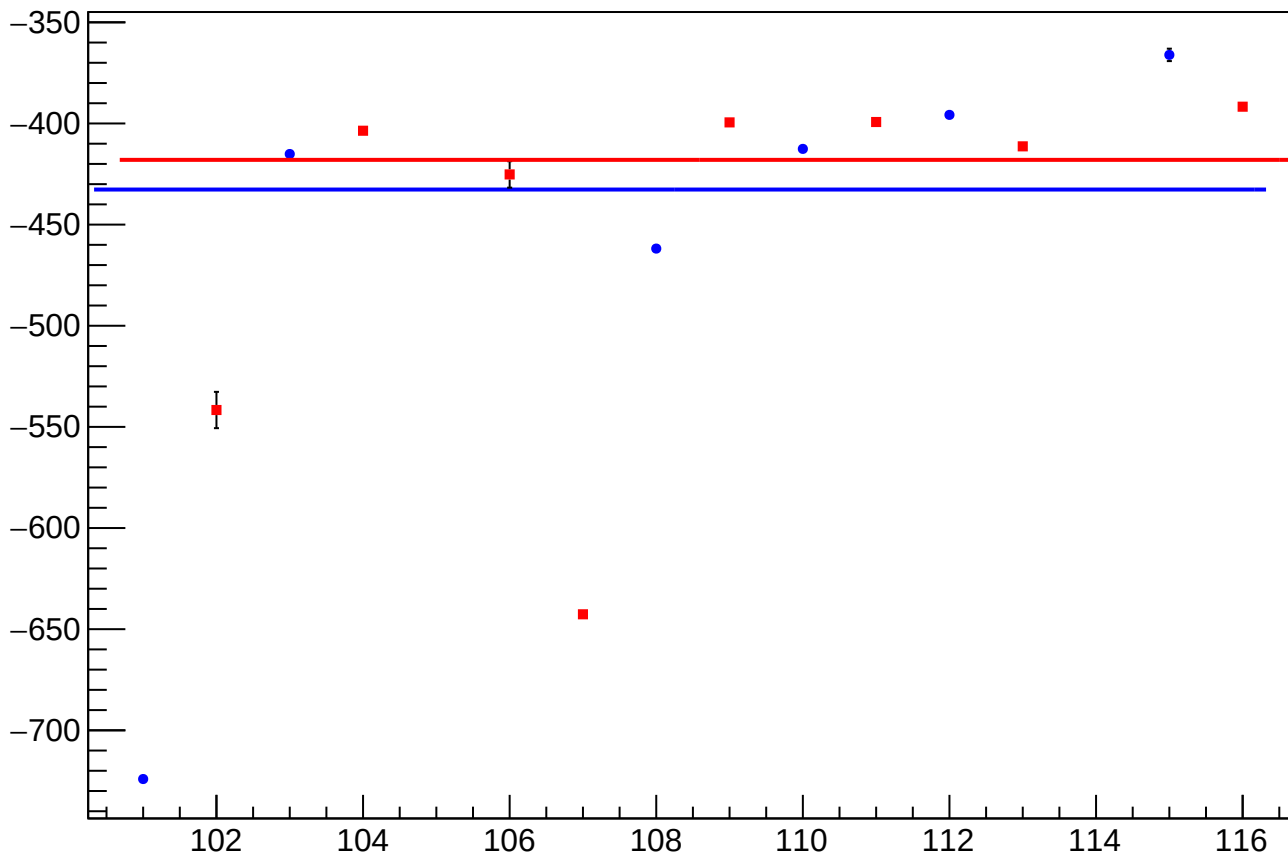
Right:  $-18.570 \pm 0.092$   $\chi^2/\text{NDF}: 3255.1/13$

In:  $-19.985 \pm 0.157$   $\chi^2/\text{NDF}: 1205.2/5$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-18.570 \pm 0.092$   $\chi^2/\text{NDF}: 3255.1/13$

# dit\_atl2\_4aX\_slope vs Slug, Sign Corrected



Right In: -432.664 $\pm$ 0.331  $\chi^2$ /NDF: 54080.6/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -417.993 $\pm$ 0.230  $\chi^2$ /NDF: 48888.3/7

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: -422.774 $\pm$ 0.189  $\chi^2$ /NDF: 104296.3/13

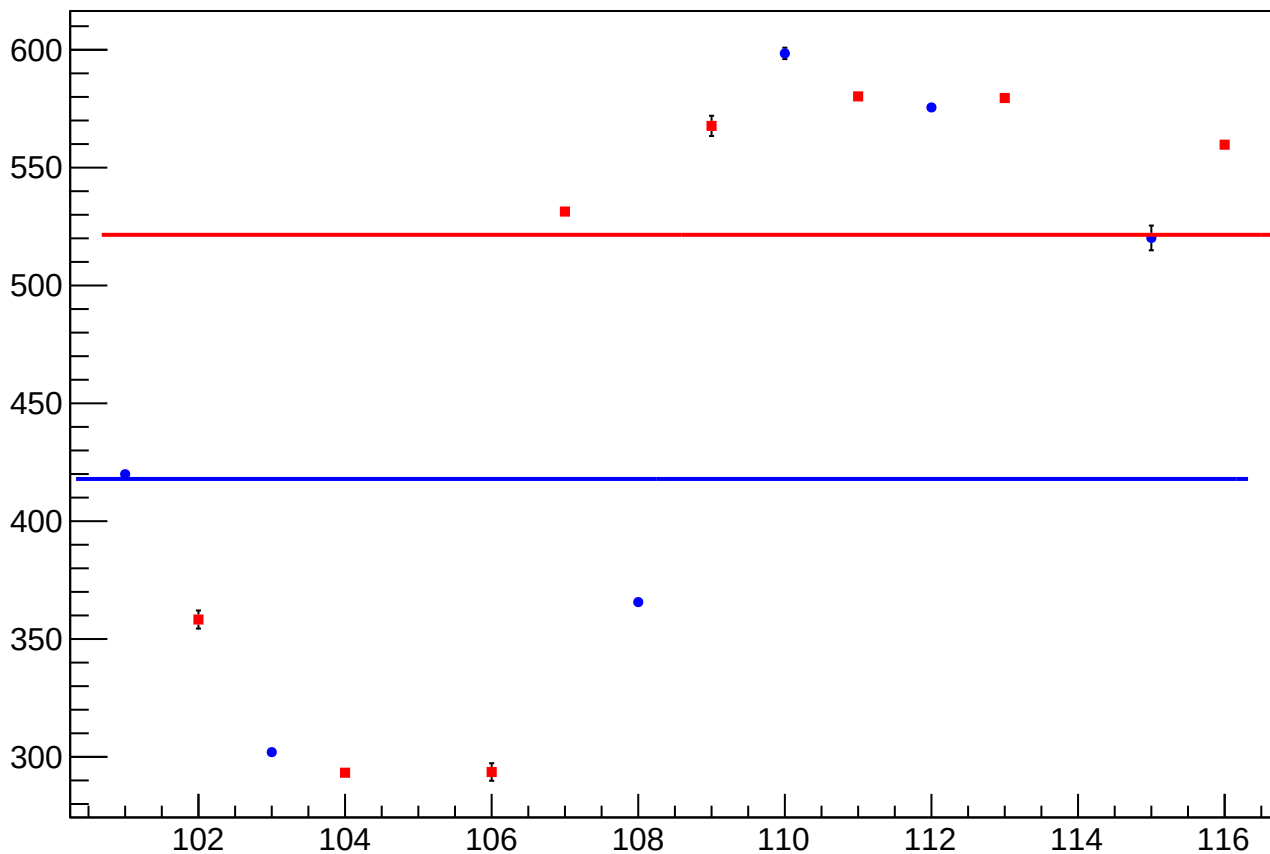
In: -432.664 $\pm$ 0.331  $\chi^2$ /NDF:54080.6/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -422.774 $\pm$ 0.189  $\chi^2$ /NDF: 104296.3/13



# dit\_atl2\_4eX\_slope vs Slug, Sign Corrected



Right In: 417.914 $\pm$ 0.321  $\chi^2$ /NDF: 99956.4/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 521.496 $\pm$ 0.286  $\chi^2$ /NDF: 144851.7/7

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

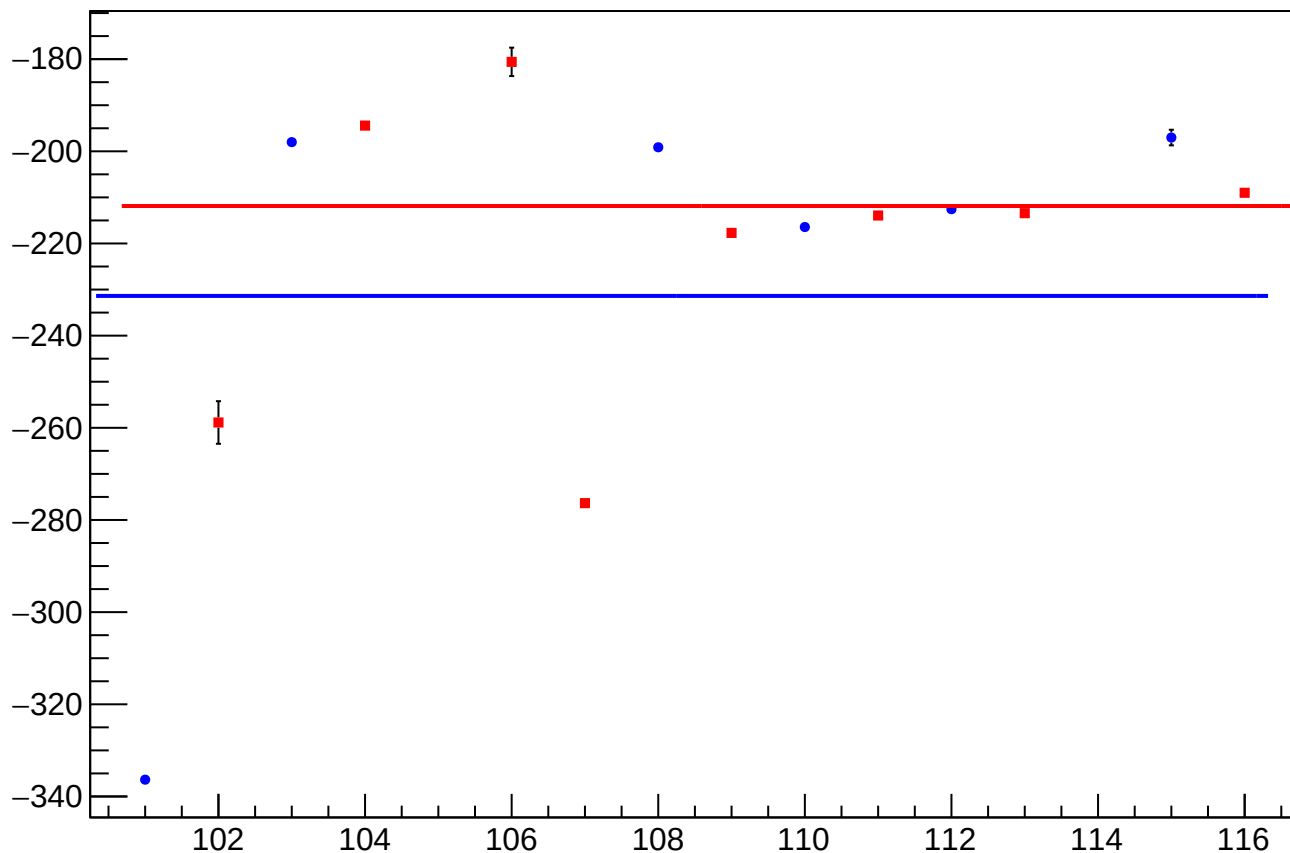
Right: 475.638 $\pm$ 0.214  $\chi^2$ /NDF: 302855.0/13

In: 417.914 $\pm$ 0.321  $\chi^2$ /NDF:99956.4/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 475.638 $\pm$ 0.214  $\chi^2$ /NDF: 302855.0/13

# dit\_atl2\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-231.380 \pm 0.102$   $\chi^2/\text{NDF}: 230492.8/5$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-211.872 \pm 0.066$   $\chi^2/\text{NDF}: 82367.9/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

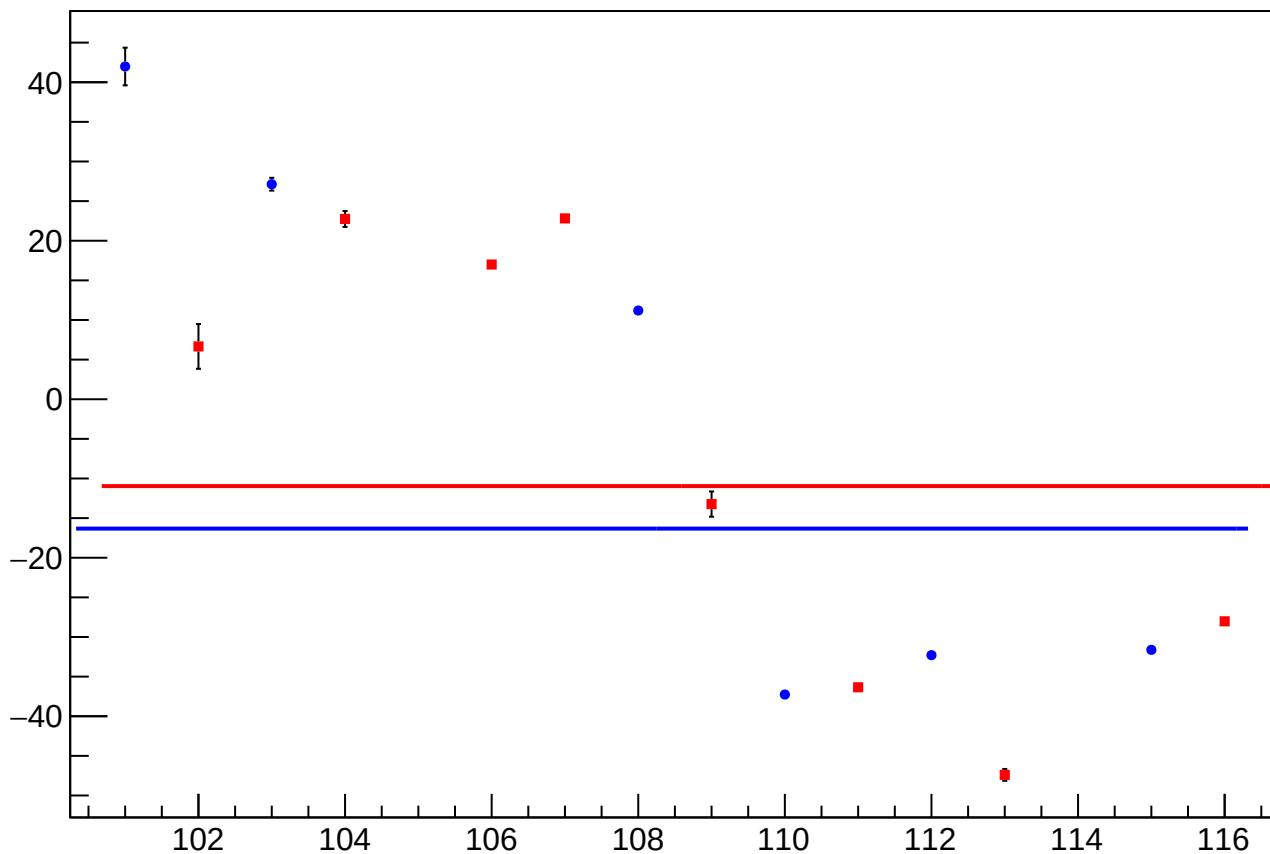
Right:  $-217.556 \pm 0.055$   $\chi^2/\text{NDF}: 338595.2/13$

In:  $-231.380 \pm 0.102$   $\chi^2/\text{NDF}: 230492.8/5$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-217.556 \pm 0.055$   $\chi^2/\text{NDF}: 338595.2/13$

# dit\_atl2\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-16.324 \pm 0.166$   $\chi^2/\text{NDF}$ : 19256.3/5

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-10.960 \pm 0.250$   $\chi^2/\text{NDF}$ : 12250.5/7

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

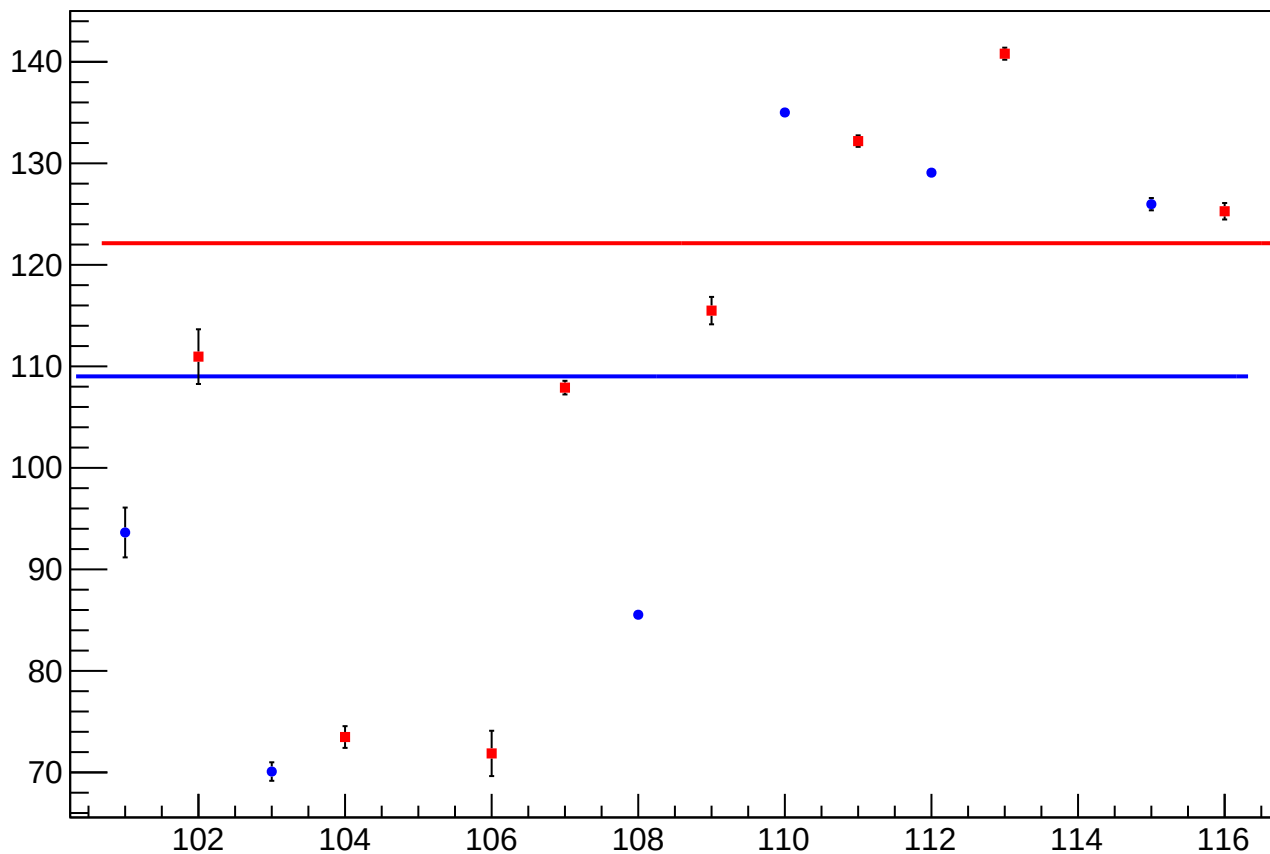
Right:  $-14.677 \pm 0.138$   $\chi^2/\text{NDF}$ : 31826.8/13

In:  $-16.324 \pm 0.166$   $\chi^2/\text{NDF}$ : 19256.3/5

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-14.677 \pm 0.138$   $\chi^2/\text{NDF}$ : 31826.8/13

# dit\_atl2\_4eY\_slope vs Slug, Sign Corrected



Right In: 109.013 $\pm$ 0.156  $\chi^2$ /NDF: 22227.1/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 122.132 $\pm$ 0.295  $\chi^2$ /NDF: 4386.8/7

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

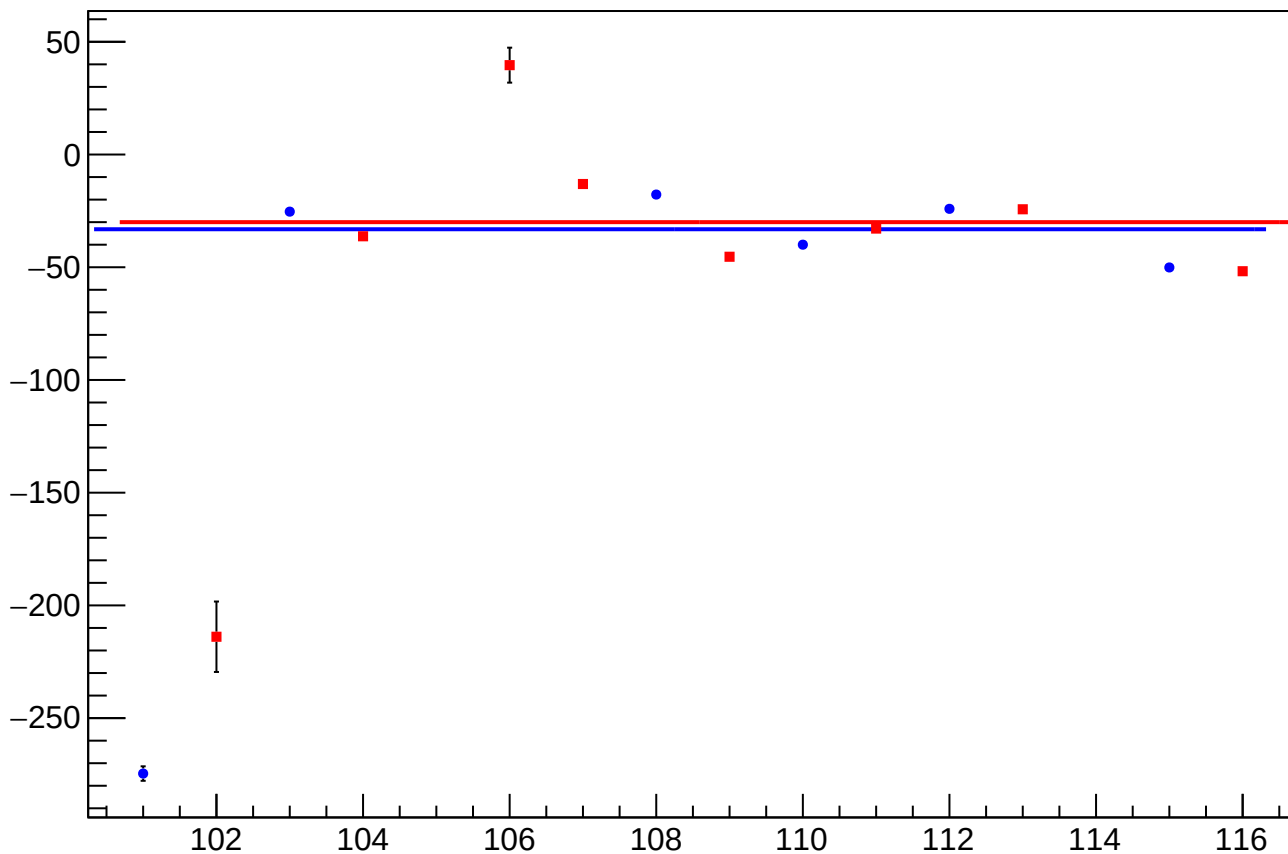
Right: 111.864 $\pm$ 0.138  $\chi^2$ /NDF: 28158.8/13

In: 109.013 $\pm$ 0.156  $\chi^2$ /NDF:22227.1/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 111.864 $\pm$ 0.138  $\chi^2$ /NDF: 28158.8/13

# dit\_atr1\_4aX\_slope vs Slug, Sign Corrected



Right In: -33.145+/-0.354  $\chi^2/\text{NDF}$ : 6399.6/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -29.995+/-0.259  $\chi^2/\text{NDF}$ : 1370.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

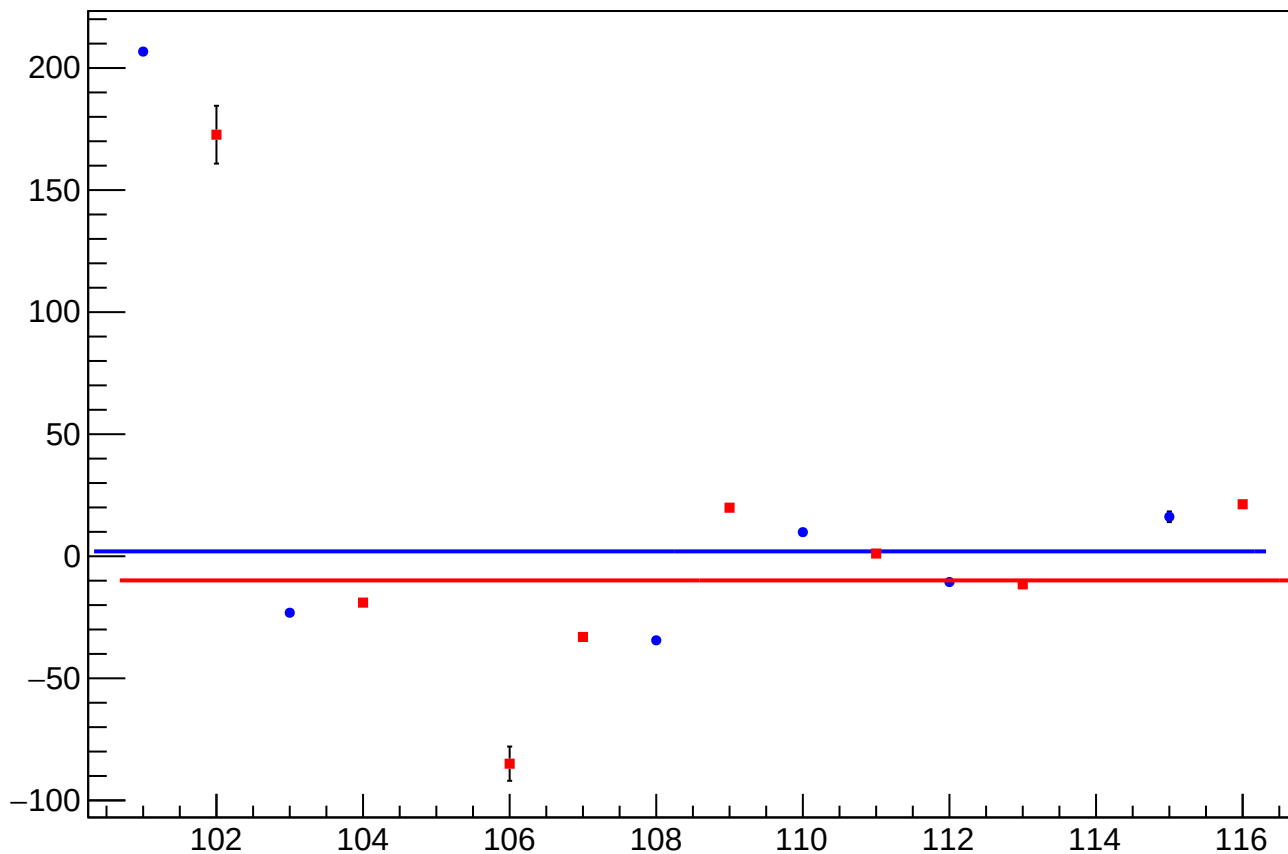
Right: -31.097+/-0.209  $\chi^2/\text{NDF}$ : 7821.8/13

In: -33.145+/-0.354  $\chi^2/\text{NDF}$ :6399.6/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -31.097+/-0.209  $\chi^2/\text{NDF}$ : 7821.8/13

# dit\_atr1\_4eX\_slope vs Slug, Sign Corrected



Right In: 1.999+/-0.402  $\chi^2/\text{NDF}$ : 18615.5/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.890+/-0.308  $\chi^2/\text{NDF}$ : 2139.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

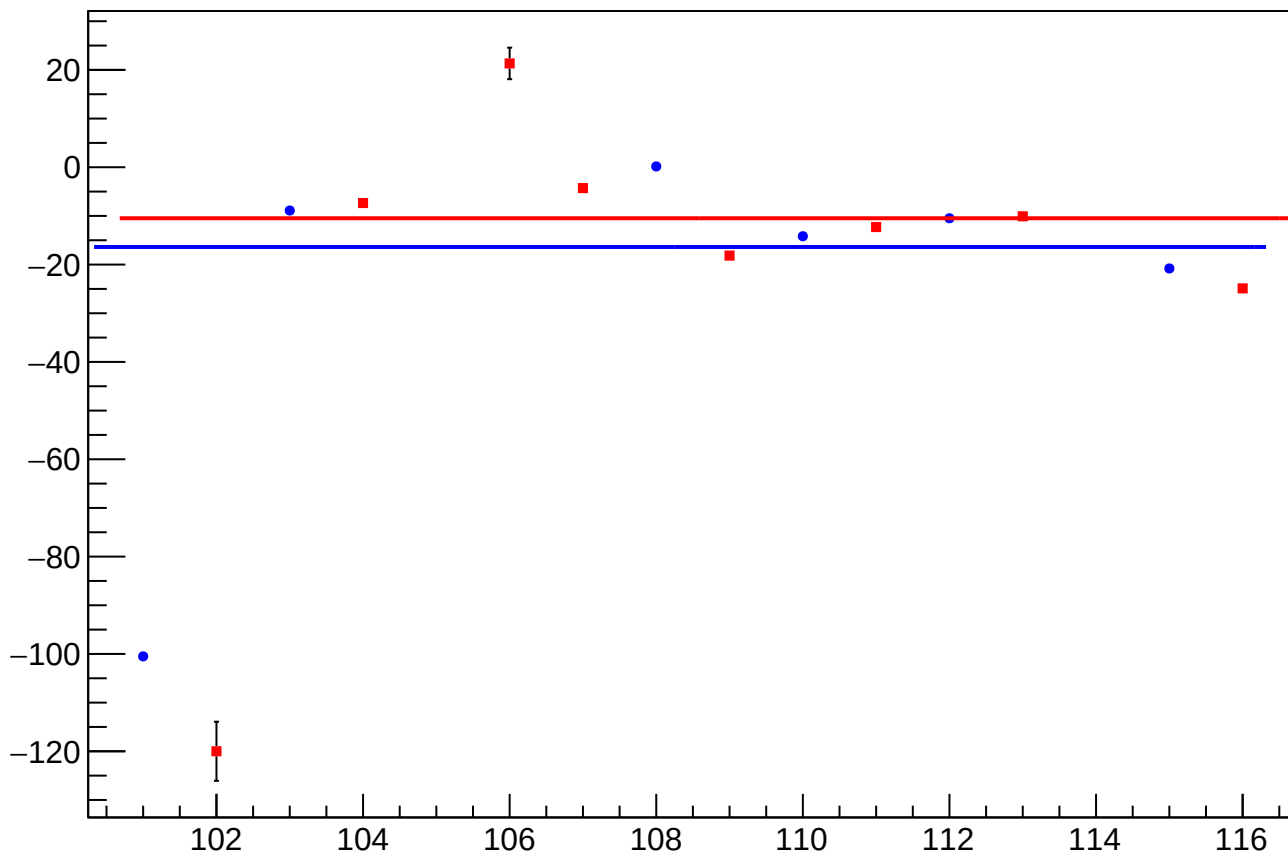
Right: -5.482+/-0.245  $\chi^2/\text{NDF}$ : 21306.5/13

In: 1.999+/-0.402  $\chi^2/\text{NDF}$ : 18615.5/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.482+/-0.245  $\chi^2/\text{NDF}$ : 21306.5/13

# dit\_atr1\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-16.386 \pm 0.087$   $\chi^2/\text{NDF}: 79749.3/5$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-10.482 \pm 0.056$   $\chi^2/\text{NDF}: 3180.8/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

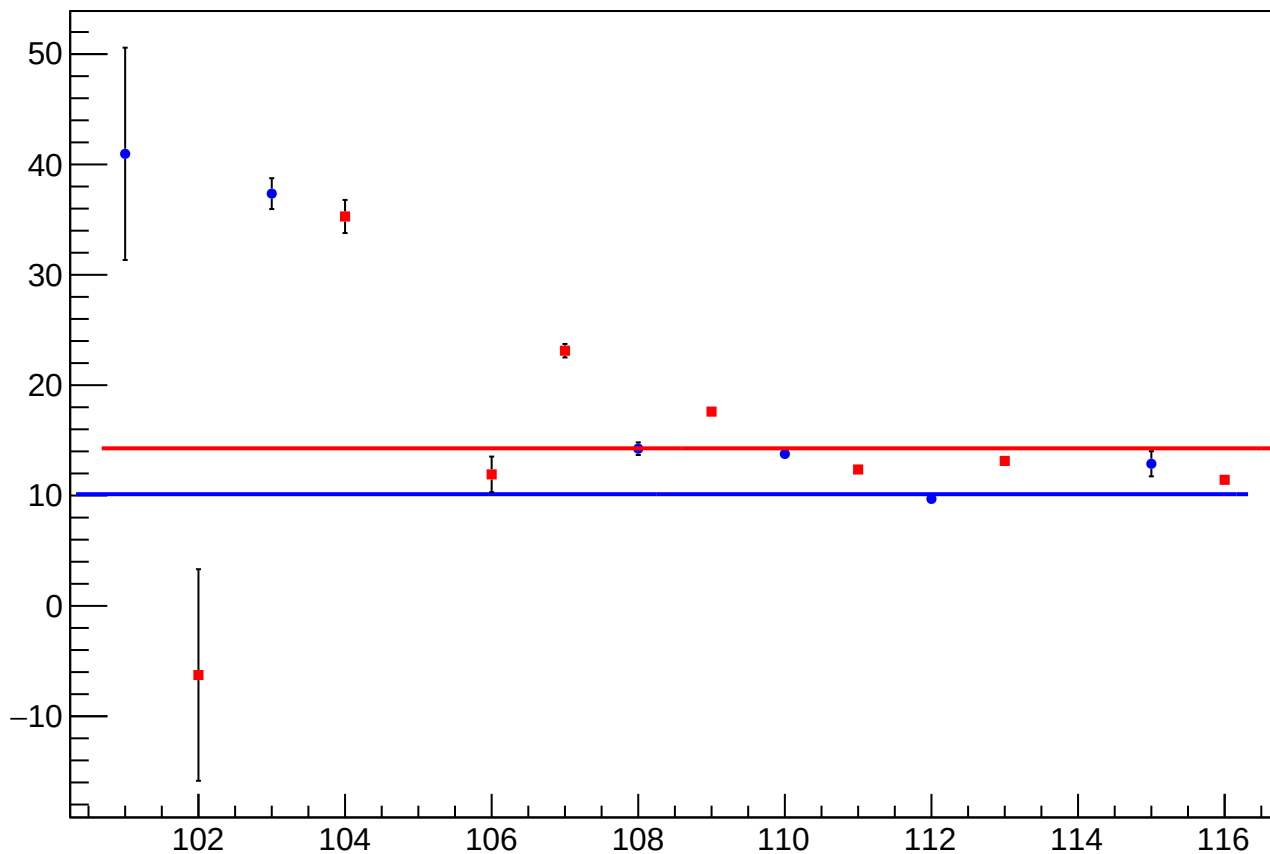
Right:  $-12.193 \pm 0.047$   $\chi^2/\text{NDF}: 86188.4/13$

In:  $-16.386 \pm 0.087$   $\chi^2/\text{NDF}: 79749.3/5$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-12.193 \pm 0.047$   $\chi^2/\text{NDF}: 86188.4/13$

# dit\_atr1\_4aY\_slope vs Slug, Sign Corrected



Right In: 10.120+/-0.080  $\chi^2/\text{NDF}$ : 594.0/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.275+/-0.111  $\chi^2/\text{NDF}$ : 810.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 11.530+/-0.065  $\chi^2/\text{NDF}$ : 2331.0/13

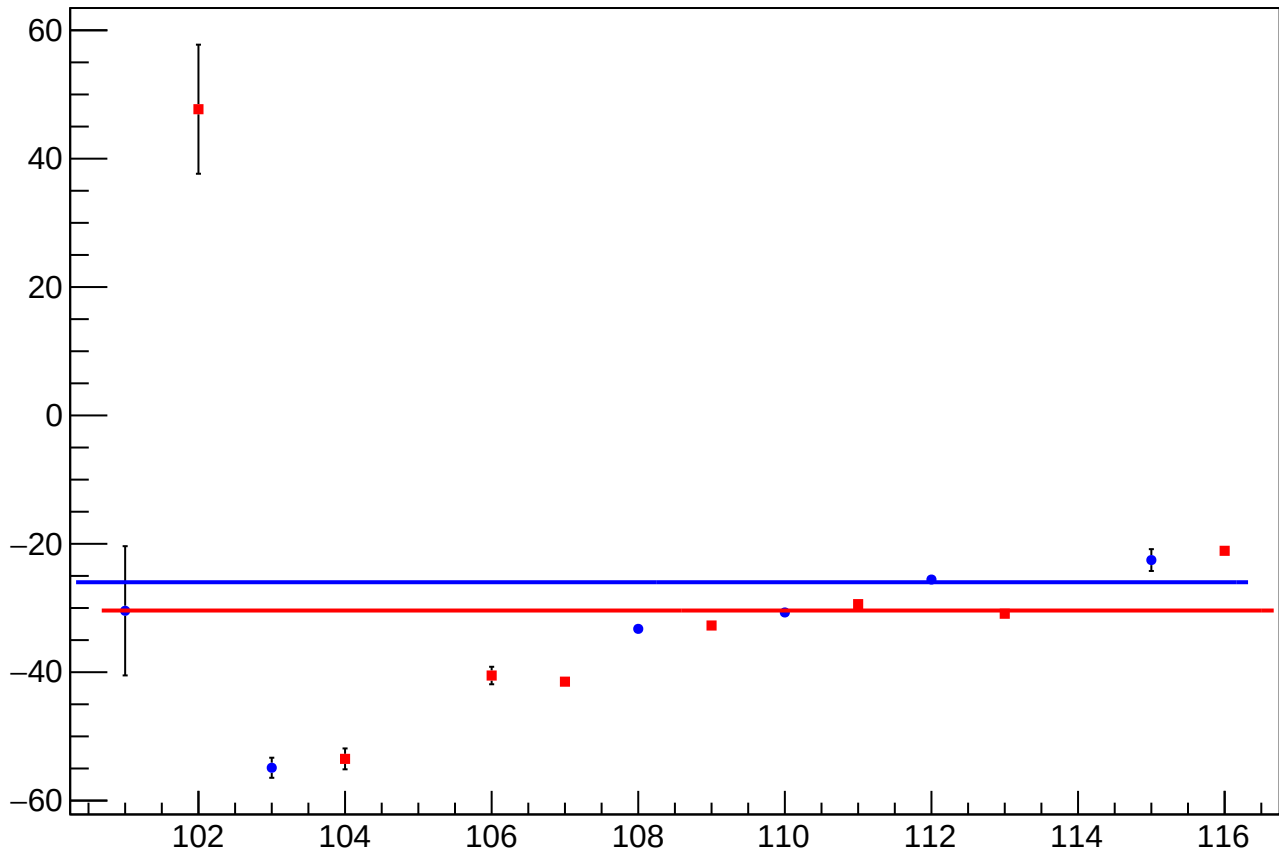
In: 10.120+/-0.080  $\chi^2/\text{NDF}$ : 594.0/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.530+/-0.065  $\chi^2/\text{NDF}$ : 2331.0/13



# dit\_atr1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-25.984 \pm 0.083$   $\chi^2/\text{NDF}$ : 632.5/5

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-30.391 \pm 0.104$   $\chi^2/\text{NDF}$ : 1223.1/7

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

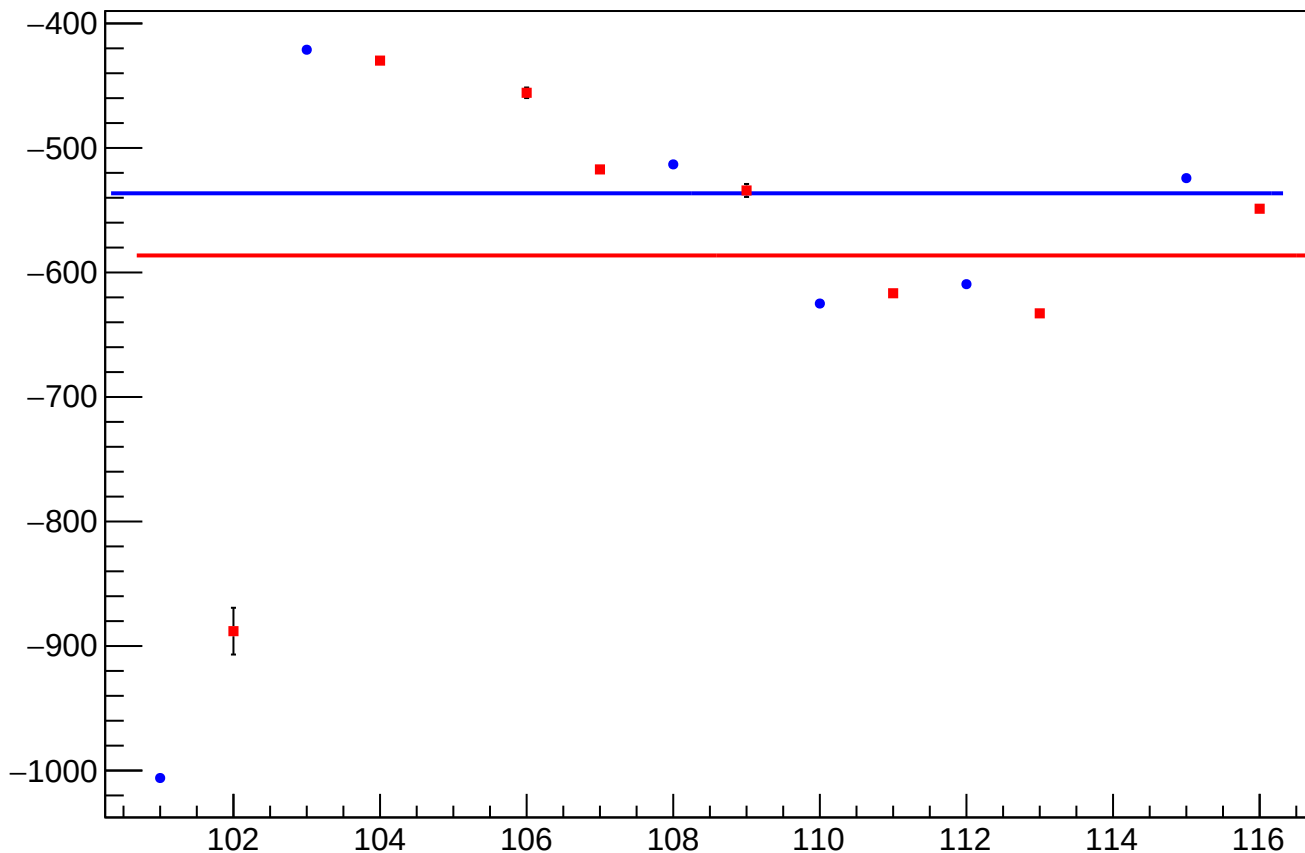
Right:  $-27.707 \pm 0.065$   $\chi^2/\text{NDF}$ : 2952.7/13

In:  $-25.984 \pm 0.083$   $\chi^2/\text{NDF}$ : 632.5/5

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-27.707 \pm 0.065$   $\chi^2/\text{NDF}$ : 2952.7/13

# dit\_atr2\_4aX\_slope vs Slug, Sign Corrected



Right In: -536.416+/-0.298  $\chi^2/\text{NDF}$ : 64492.8/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -586.331+/-0.323  $\chi^2/\text{NDF}$ : 40837.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

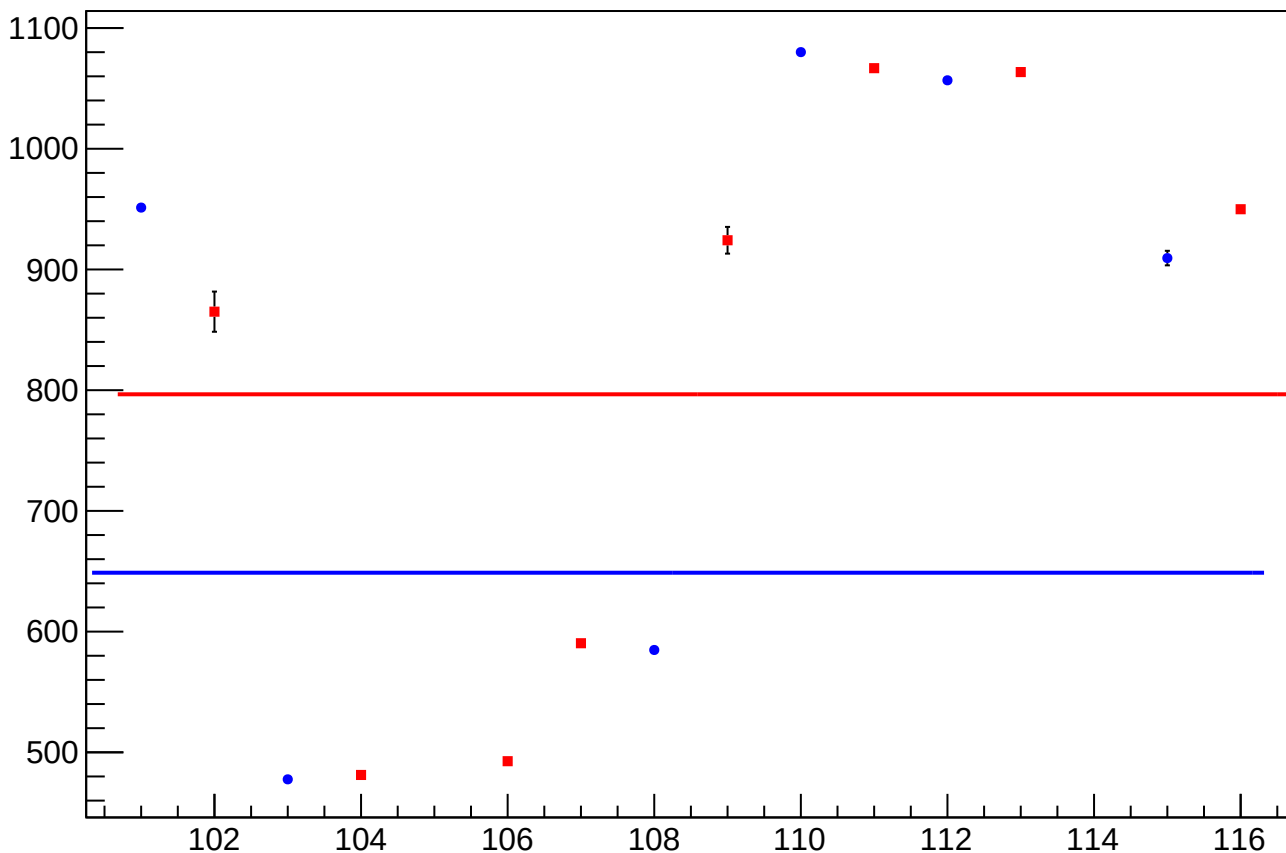
Right: -559.396+/-0.219  $\chi^2/\text{NDF}$ : 118211.9/13

In: -536.416+/-0.298  $\chi^2/\text{NDF}$ :64492.8/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -559.396+/-0.219  $\chi^2/\text{NDF}$ : 118211.9/13

# dit\_atr2\_4eX\_slope vs Slug, Sign Corrected



Right In: 648.784+/-0.296  $\chi^2/\text{NDF}$ : 319440.0/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 796.594+/-0.337  $\chi^2/\text{NDF}$ : 630306.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

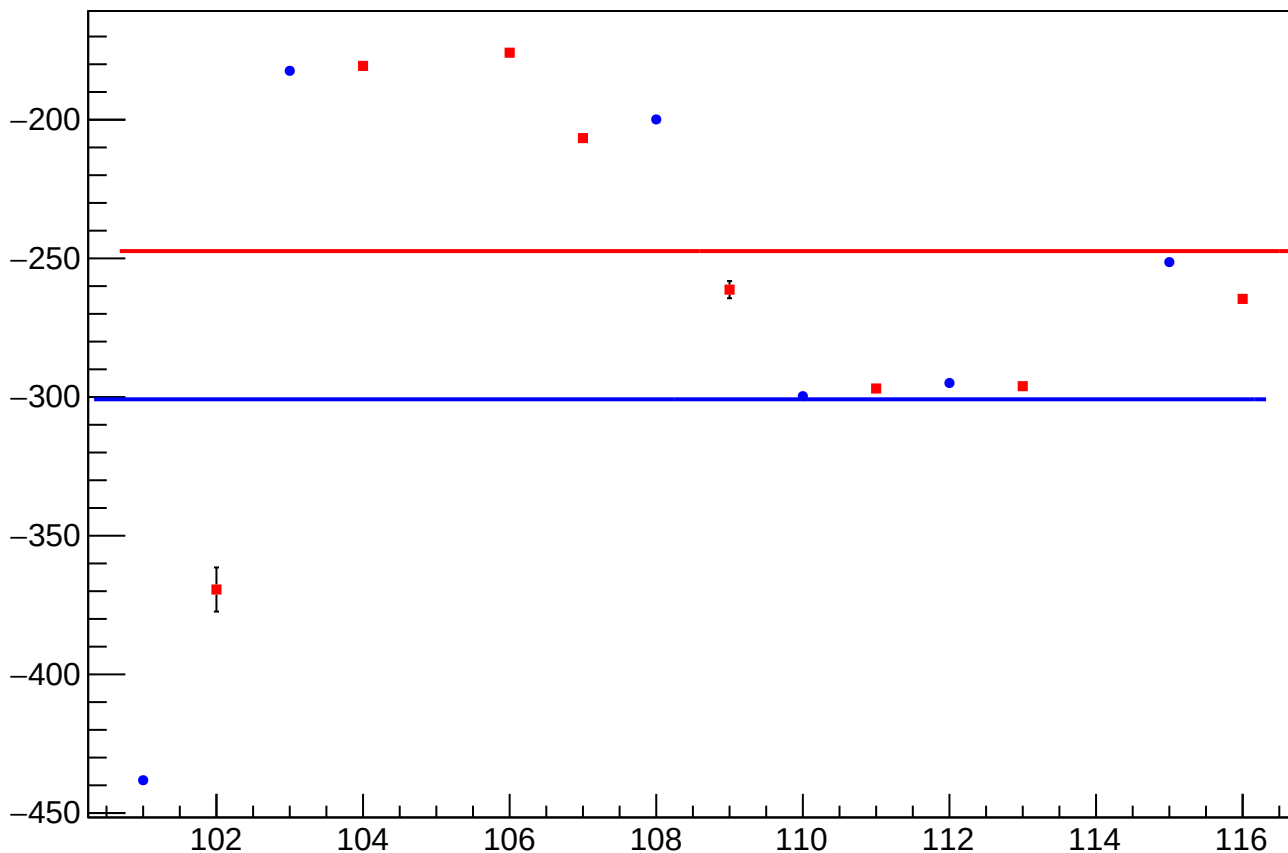
Right: 713.162+/-0.222  $\chi^2/\text{NDF}$ : 1058475.5/13

In: 648.784+/-0.296  $\chi^2/\text{NDF}$ : 319440.0/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 713.162+/-0.222  $\chi^2/\text{NDF}$ : 1058475.5/13

# dit\_atr2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -300.808+/-0.110  $\chi^2/\text{NDF}$ : 789465.8/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -247.365+/-0.103  $\chi^2/\text{NDF}$ : 259523.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

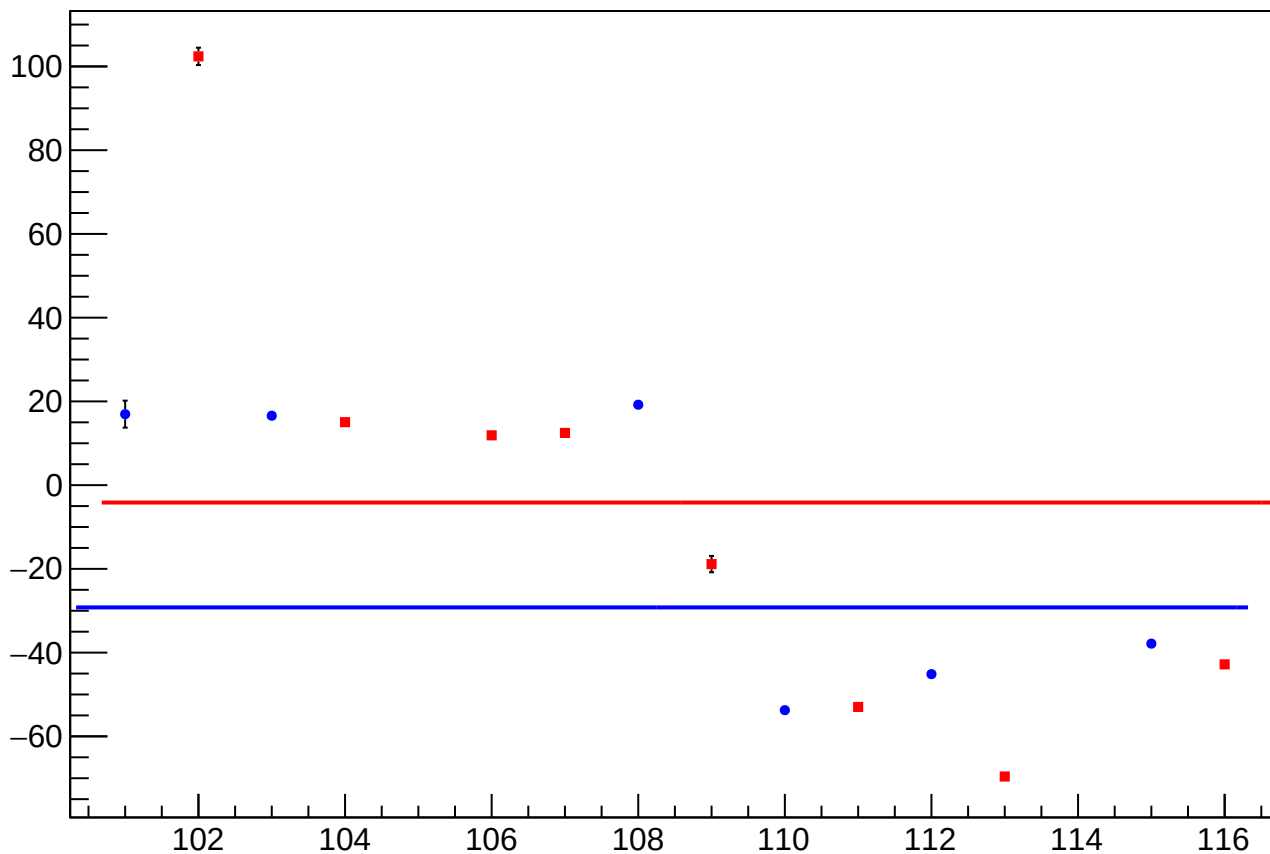
Right: -272.214+/-0.075  $\chi^2/\text{NDF}$ : 1175327.3/13

In: -300.808+/-0.110  $\chi^2/\text{NDF}$ : 789465.8/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -272.214+/-0.075  $\chi^2/\text{NDF}$ : 1175327.3/13

# dit\_atr2\_4aY\_slope vs Slug, Sign Corrected



Right In: -29.203+/-0.209  $\chi^2/\text{NDF}$ : 14312.6/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.155+/-0.236  $\chi^2/\text{NDF}$ : 17659.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

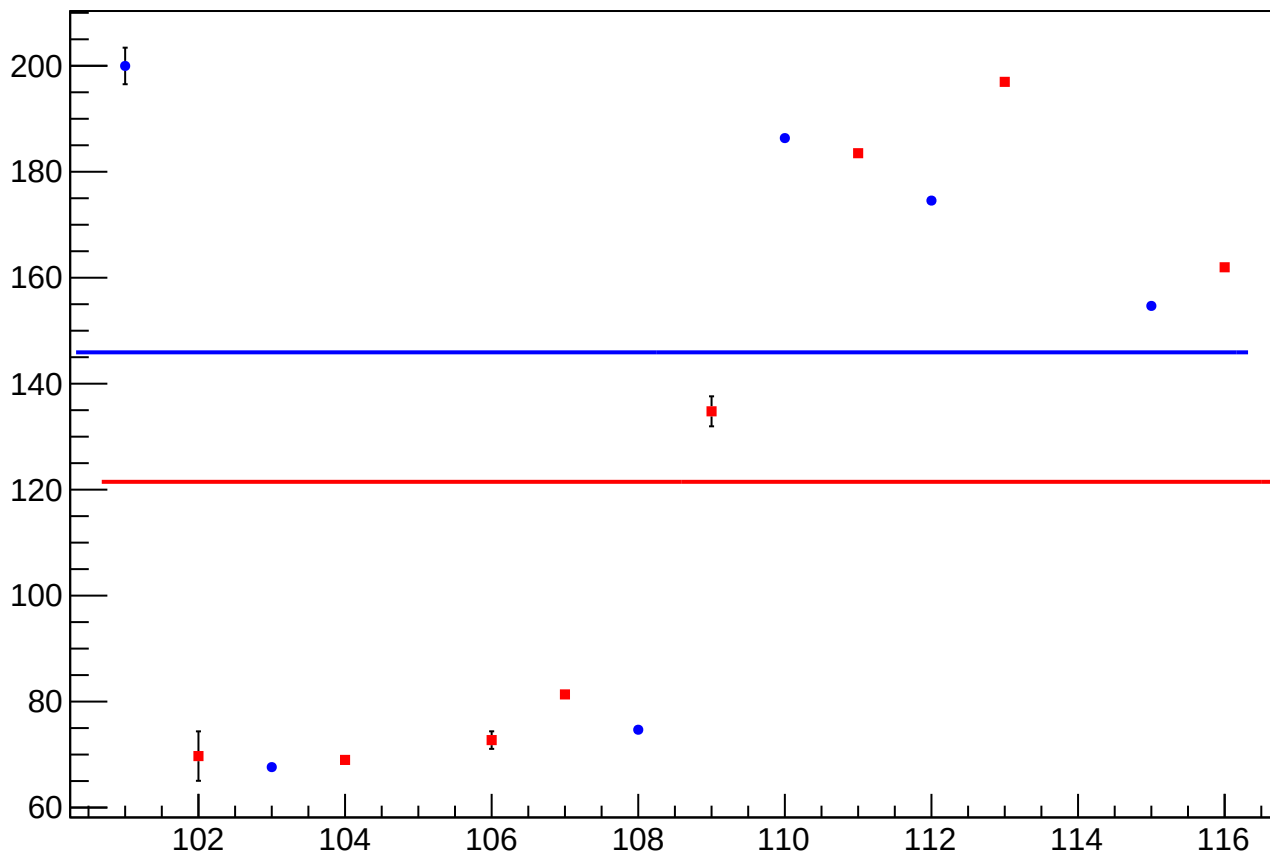
Right: -18.200+/-0.157  $\chi^2/\text{NDF}$ : 38272.4/13

In: -29.203+/-0.209  $\chi^2/\text{NDF}$ : 14312.6/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -18.200+/-0.157  $\chi^2/\text{NDF}$ : 38272.4/13

# dit\_atr2\_4eY\_slope vs Slug, Sign Corrected



Right In: 145.916 $\pm$ 0.229  $\chi^2$ /NDF: 34434.8/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 121.477 $\pm$ 0.282  $\chi^2$ /NDF: 32350.5/7

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

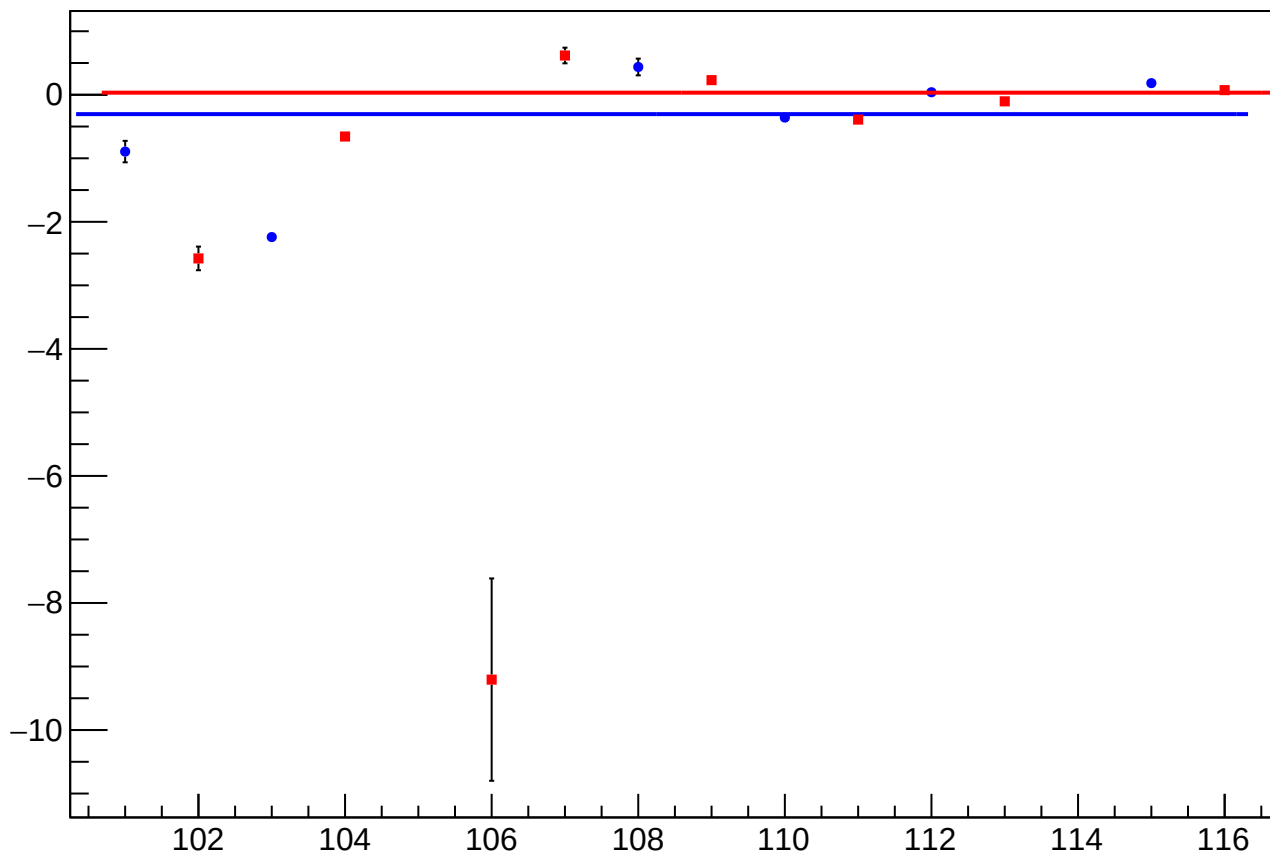
Right: 136.187 $\pm$ 0.178  $\chi^2$ /NDF: 71300.2/13

In: 145.916 $\pm$ 0.229  $\chi^2$ /NDF:34434.8/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 136.187 $\pm$ 0.178  $\chi^2$ /NDF: 71300.2/13

# dit\_sam1\_4aX\_slope vs Slug, Sign Corrected



Right In: -0.305+/-0.021  $\chi^2/\text{NDF}$ : 1158.7/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.033+/-0.008  $\chi^2/\text{NDF}$ : 497.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

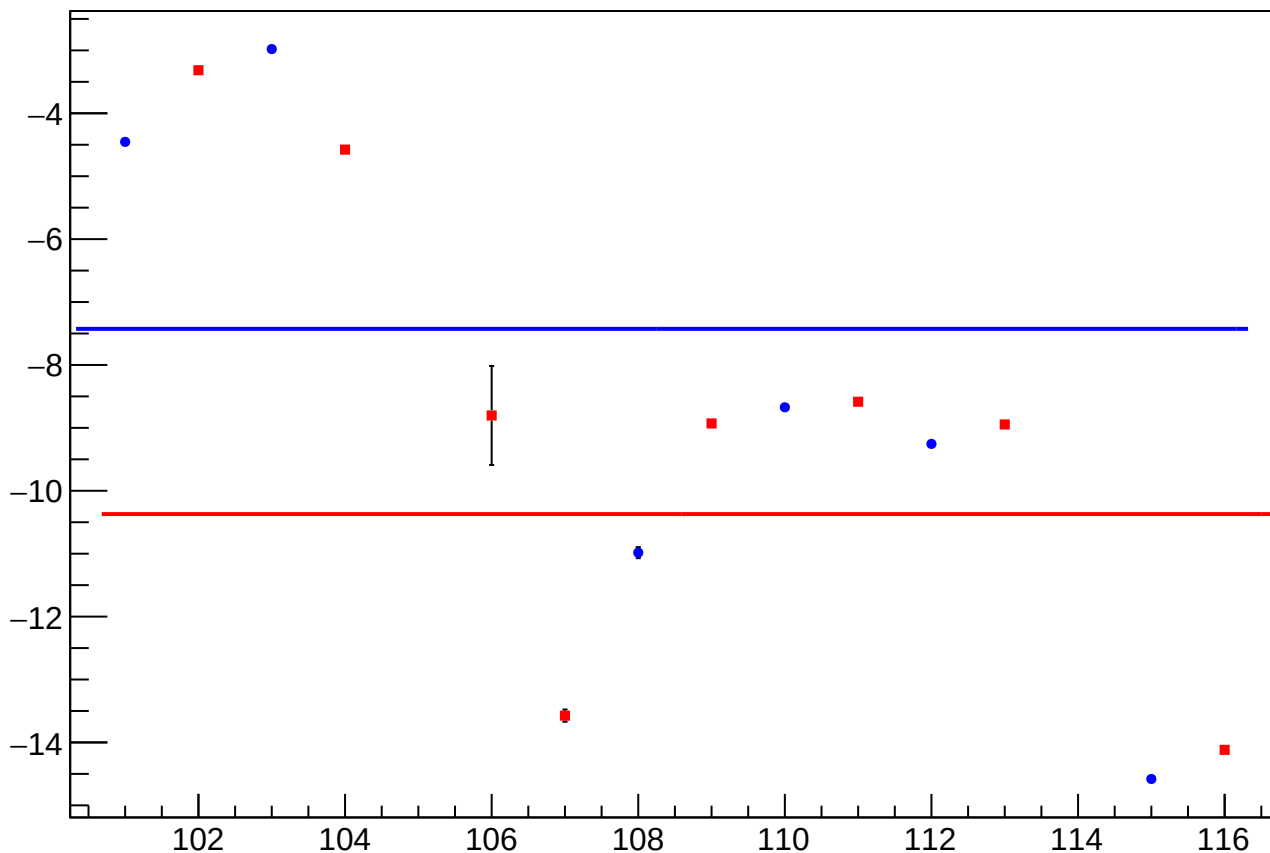
Right: -0.013+/-0.008  $\chi^2/\text{NDF}$ : 1887.4/13

In: -0.305+/-0.021  $\chi^2/\text{NDF}$ : 1158.7/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.013+/-0.008  $\chi^2/\text{NDF}$ : 1887.4/13

# dit\_sam1\_4eX\_slope vs Slug, Sign Corrected



Right In: -7.426+/-0.014  $\chi^2/\text{NDF}$ : 109402.8/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.370+/-0.015  $\chi^2/\text{NDF}$ : 78743.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -8.876+/-0.010  $\chi^2/\text{NDF}$ : 208484.3/13

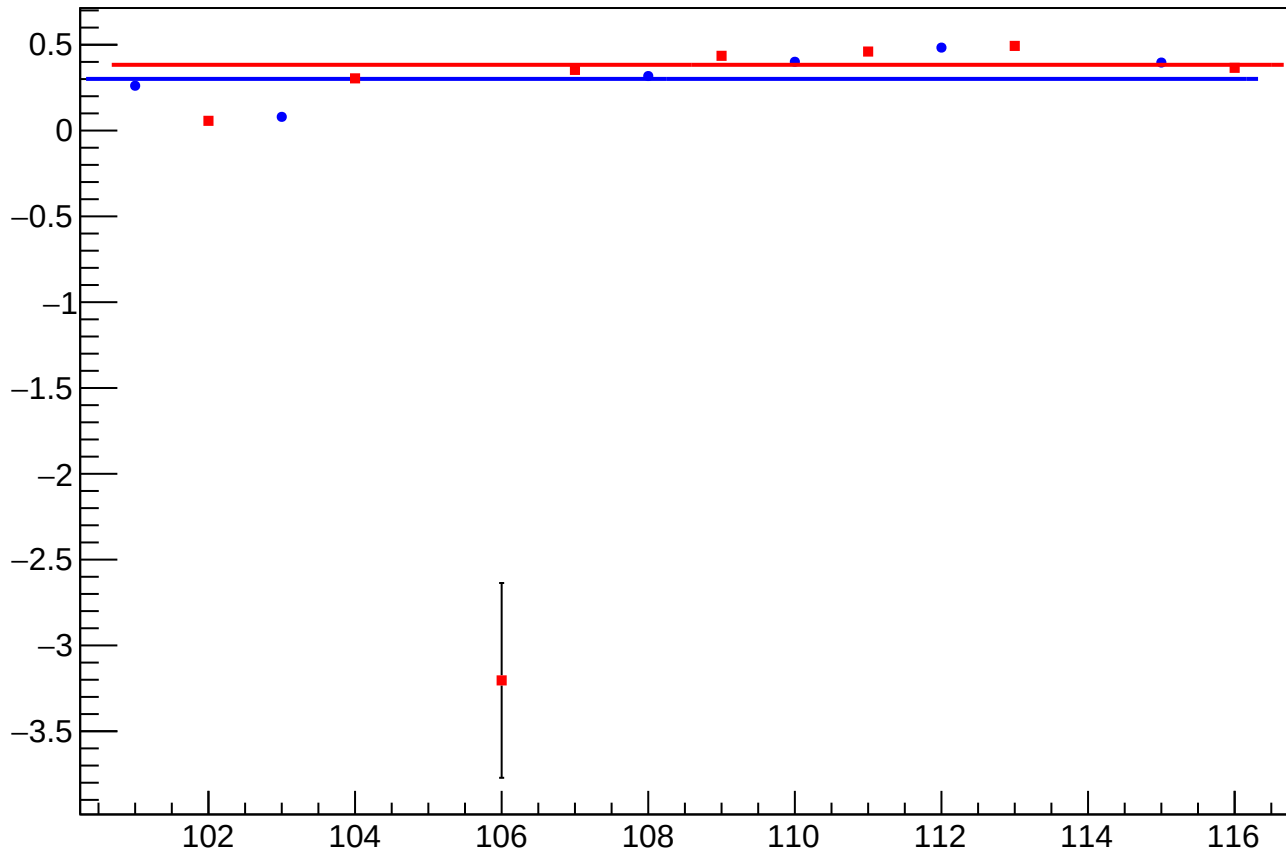
In: -7.426+/-0.014  $\chi^2/\text{NDF}$ : 109402.8/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.876+/-0.010  $\chi^2/\text{NDF}$ : 208484.3/13



dit\_sam1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.301+/-0.005  $\chi^2/\text{NDF}$ : 1045.5/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.383+/-0.002  $\chi^2/\text{NDF}$ : 744.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

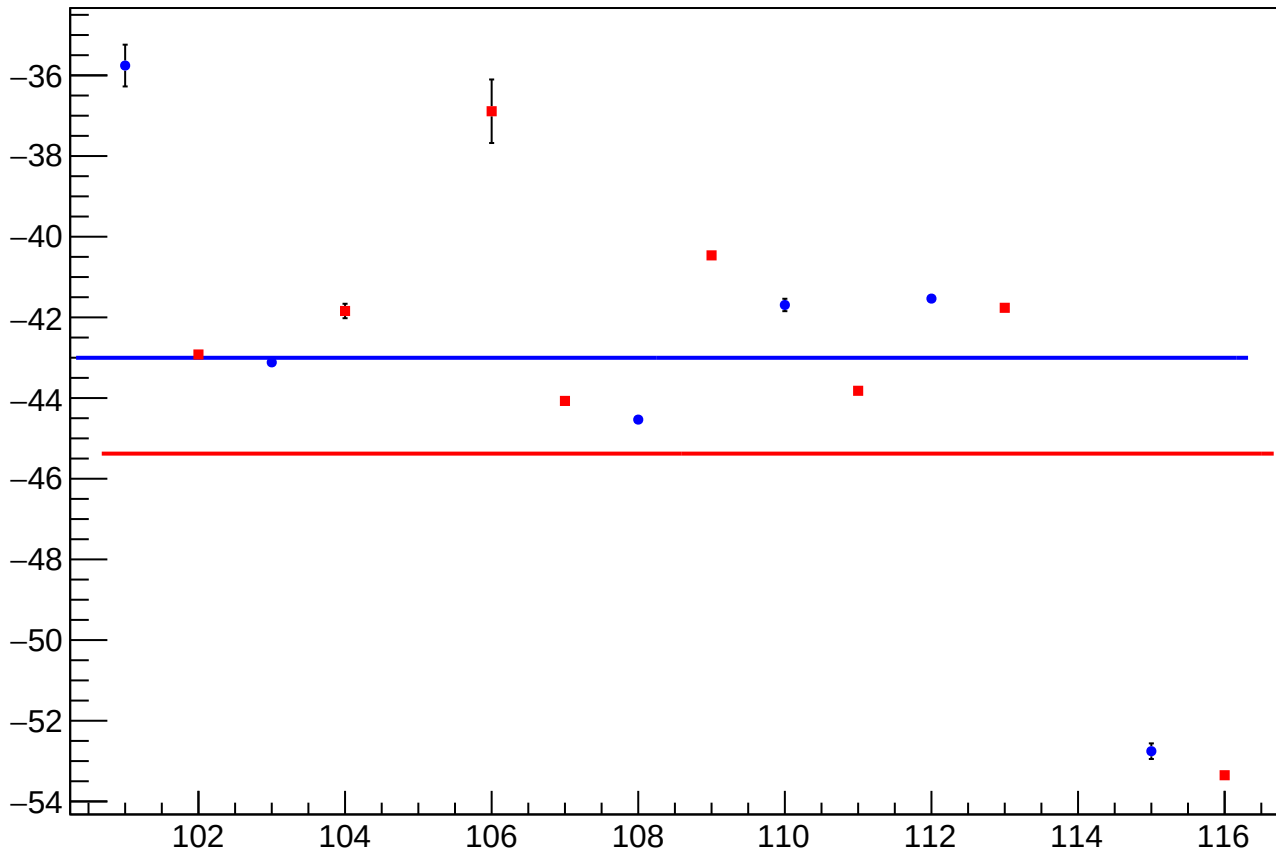
Right: 0.368+/-0.002  $\chi^2/\text{NDF}$ : 2017.9/13

In: 0.301+/-0.005  $\chi^2/\text{NDF}$ : 1045.5/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.368+/-0.002  $\chi^2/\text{NDF}$ : 2017.9/13

# dit\_sam1\_4aY\_slope vs Slug, Sign Corrected



Right In: -43.002 $\pm$ 0.047  $\chi^2$ /NDF: 3434.6/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -45.378 $\pm$ 0.034  $\chi^2$ /NDF: 23019.9/7

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

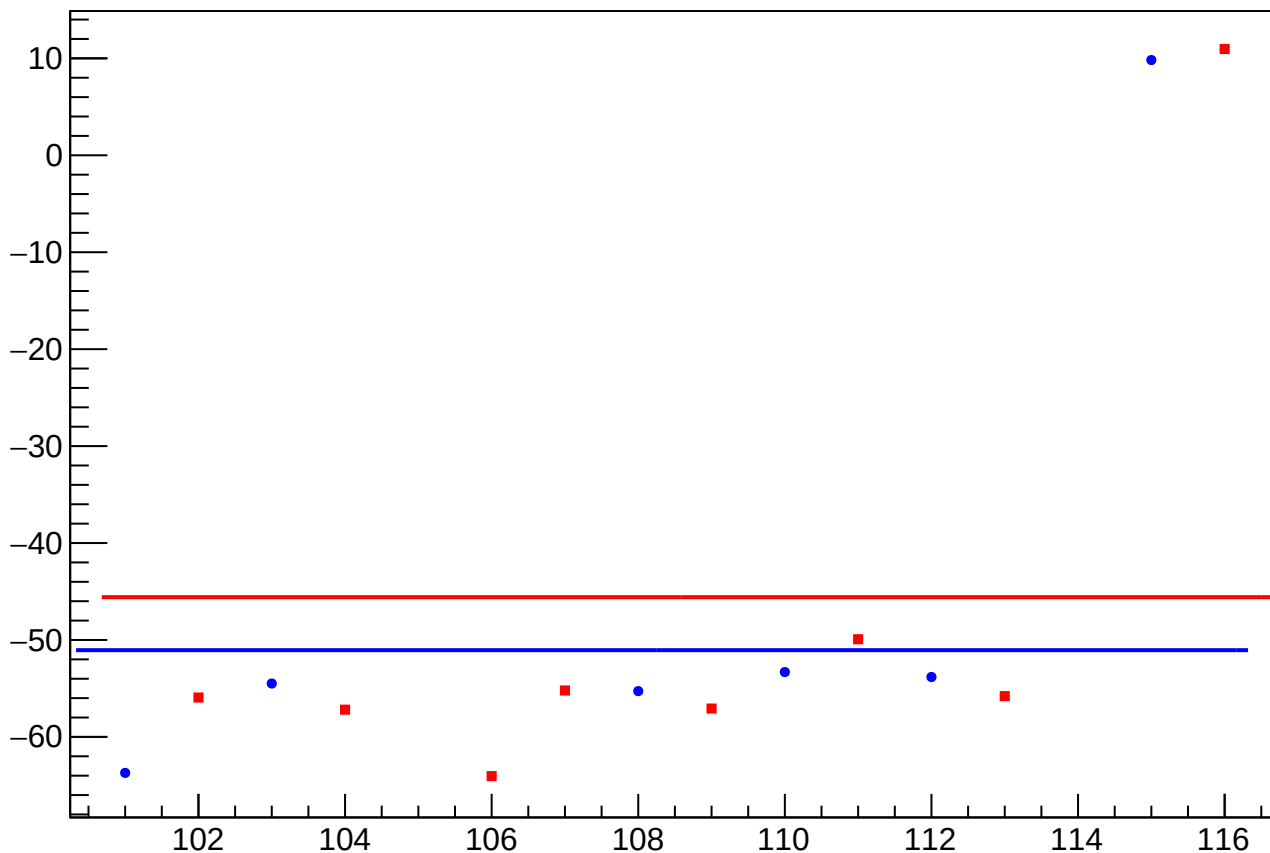
Right: -44.583 $\pm$ 0.027  $\chi^2$ /NDF: 28129.2/13

In: -43.002 $\pm$ 0.047  $\chi^2$ /NDF:3434.6/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -44.583 $\pm$ 0.027  $\chi^2$ /NDF: 28129.2/13

# dit\_sam1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-51.053 \pm 0.061$   $\chi^2/\text{NDF}: 59491.8/5$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-45.585 \pm 0.054$   $\chi^2/\text{NDF}: 197655.9/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

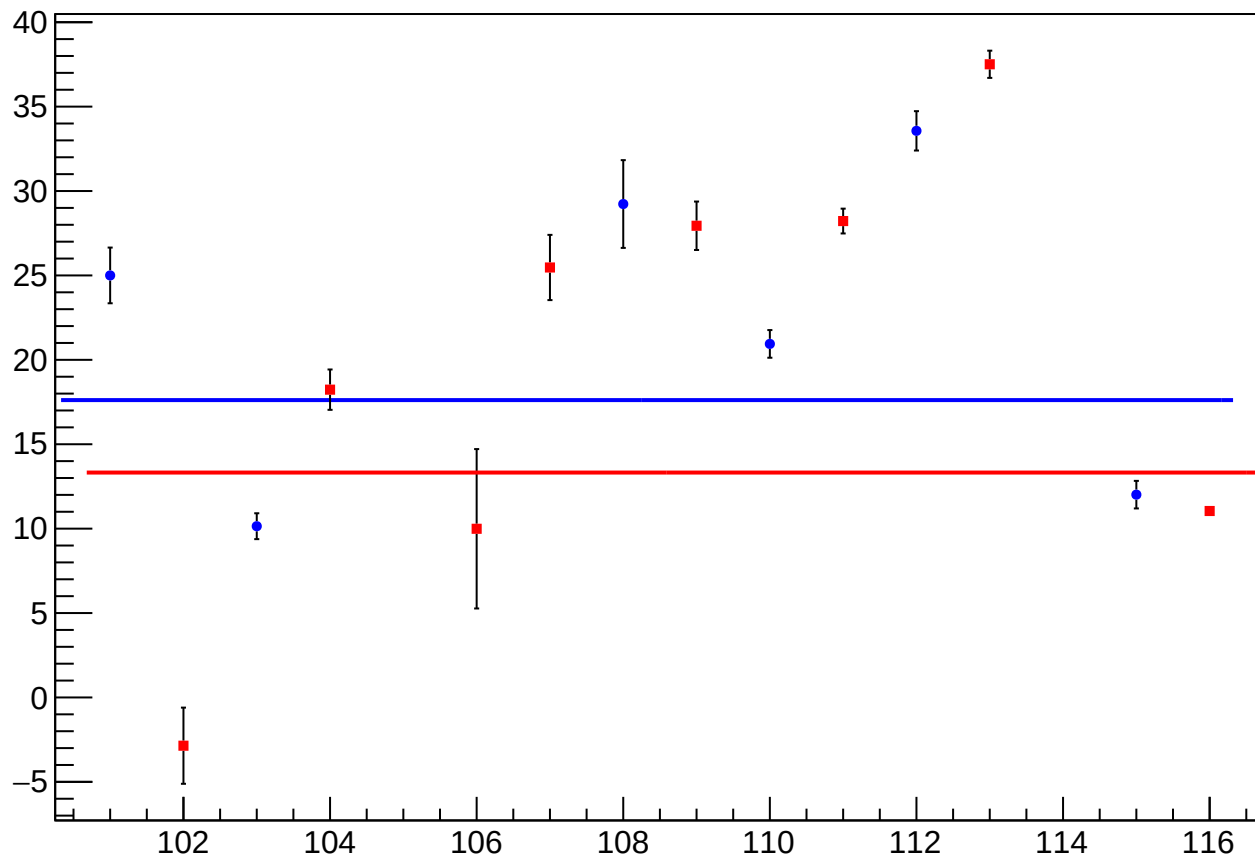
Right:  $-48.003 \pm 0.040$   $\chi^2/\text{NDF}: 261651.6/13$

In:  $-51.053 \pm 0.061$   $\chi^2/\text{NDF}: 59491.8/5$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-48.003 \pm 0.040$   $\chi^2/\text{NDF}: 261651.6/13$

# dit\_sam2\_4aX\_slope vs Slug, Sign Corrected



Right In: 17.615 $\pm$ 0.410  $\chi^2$ /NDF: 385.8/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.323 $\pm$ 0.162  $\chi^2$ /NDF: 1694.4/7

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

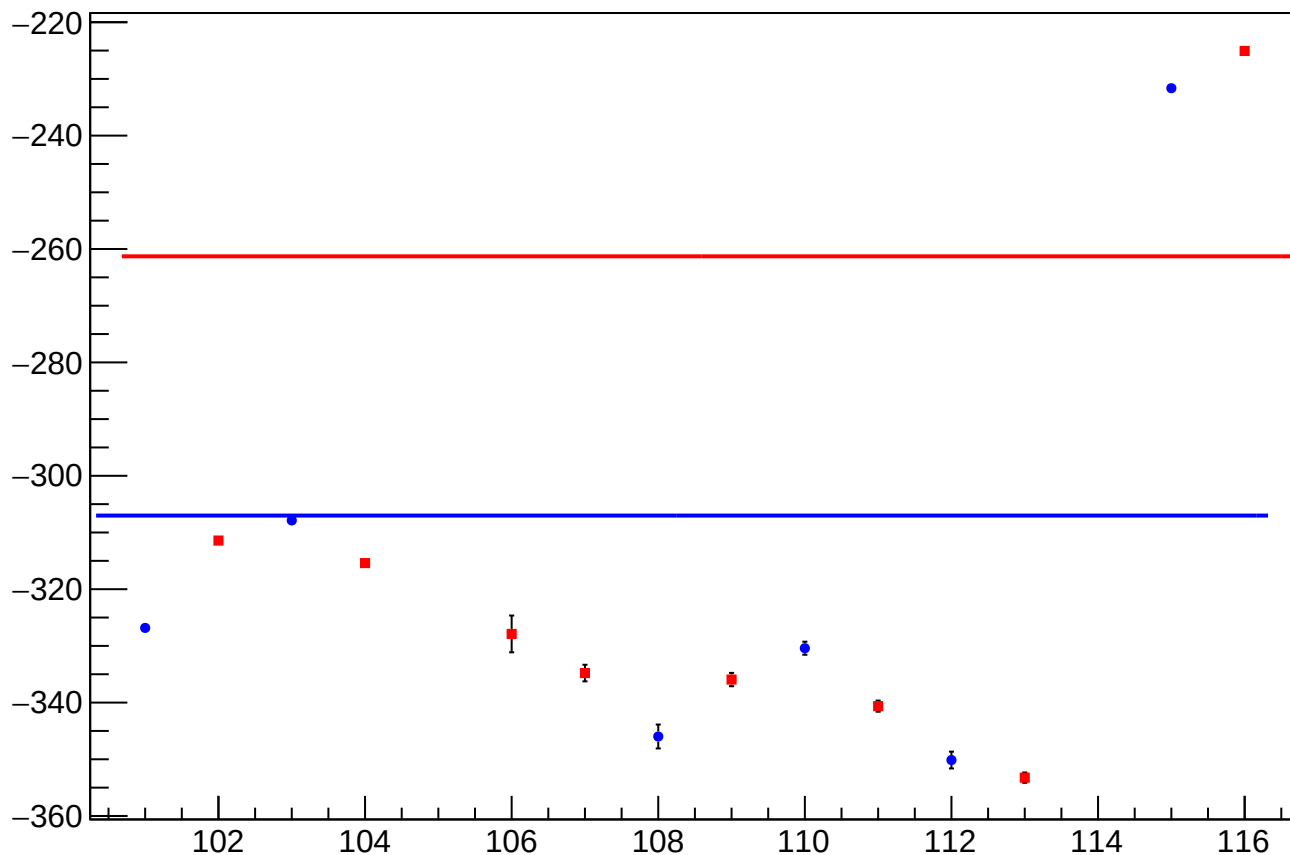
Right: 13.902 $\pm$ 0.151  $\chi^2$ /NDF: 2174.9/13

In: 17.615 $\pm$ 0.410  $\chi^2$ /NDF: 385.8/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 13.902 $\pm$ 0.151  $\chi^2$ /NDF: 2174.9/13

# dit\_sam2\_4eX\_slope vs Slug, Sign Corrected



Right In: -307.015+/-0.197  $\chi^2/\text{NDF}$ : 20895.8/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -261.290+/-0.183  $\chi^2/\text{NDF}$ : 68004.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

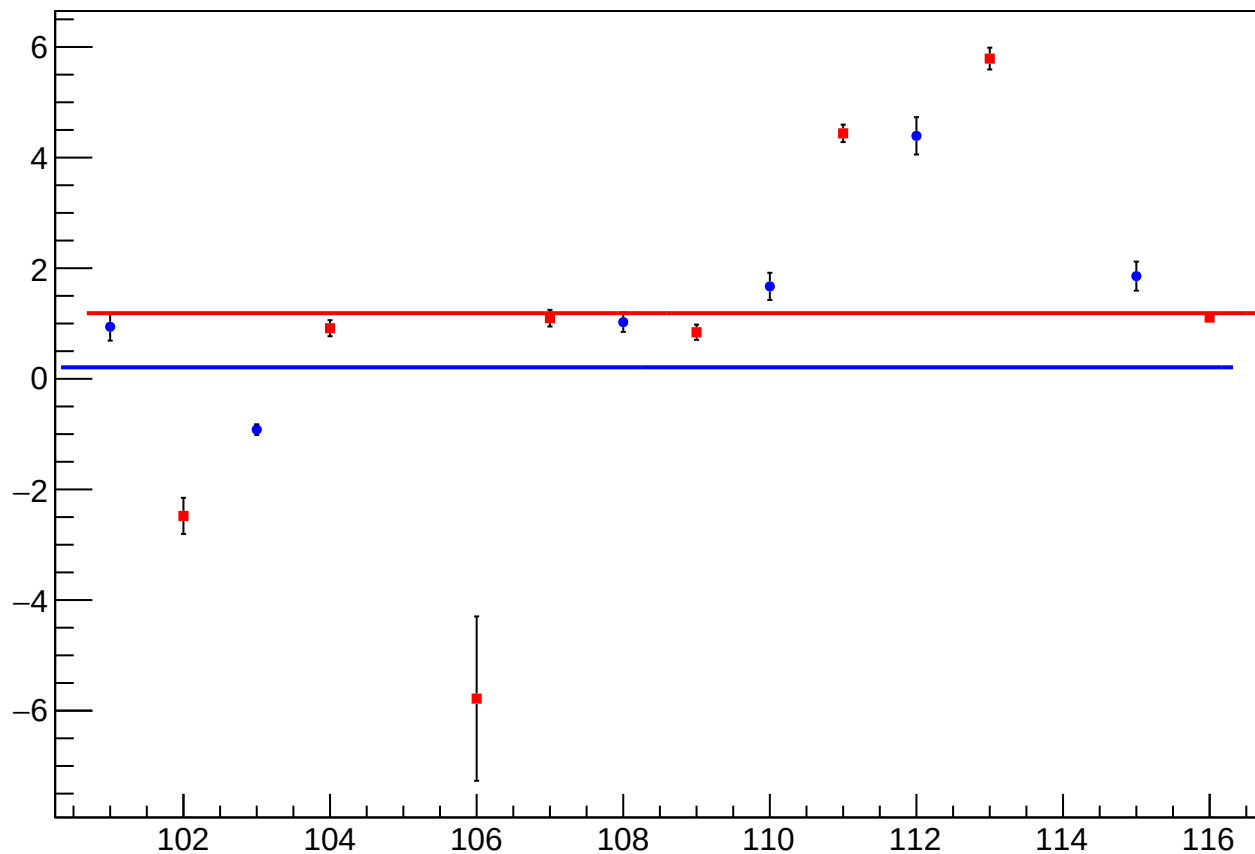
Right: -282.559+/-0.134  $\chi^2/\text{NDF}$ : 117822.3/13

In: -307.015+/-0.197  $\chi^2/\text{NDF}$ : 20895.8/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -282.559+/-0.134  $\chi^2/\text{NDF}$ : 117822.3/13

# dit\_sam2\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.208 $\pm$ 0.071  $\chi^2$ /NDF: 396.3/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.187 $\pm$ 0.020  $\chi^2$ /NDF: 1141.4/7

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

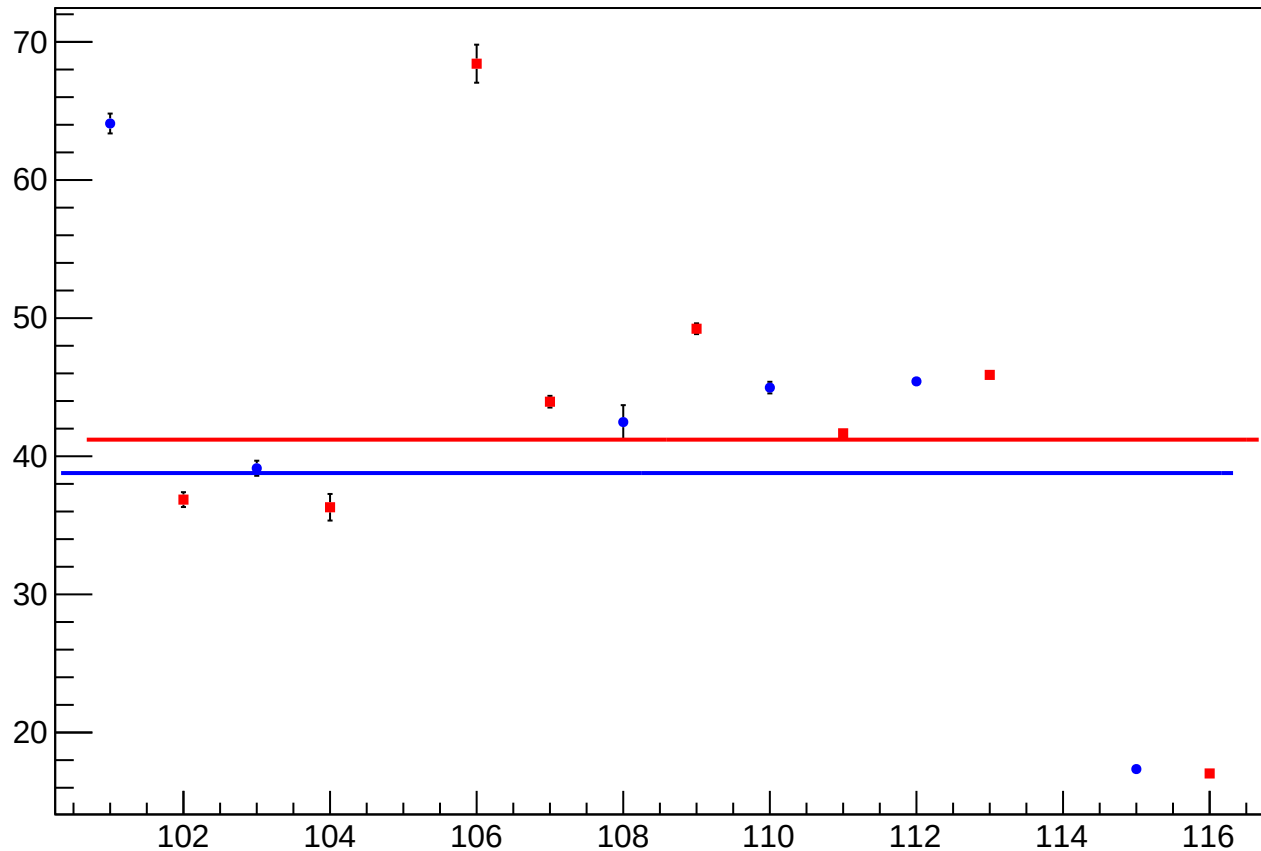
Right: 1.114 $\pm$ 0.020  $\chi^2$ /NDF: 1712.1/13

In: 0.208 $\pm$ 0.071  $\chi^2$ /NDF:396.3/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.114 $\pm$ 0.020  $\chi^2$ /NDF: 1712.1/13

# dit\_sam2\_4aY\_slope vs Slug, Sign Corrected



Right In: 38.784+/-0.158  $\chi^2/\text{NDF}$ : 6824.8/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 41.203+/-0.105  $\chi^2/\text{NDF}$ : 7696.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

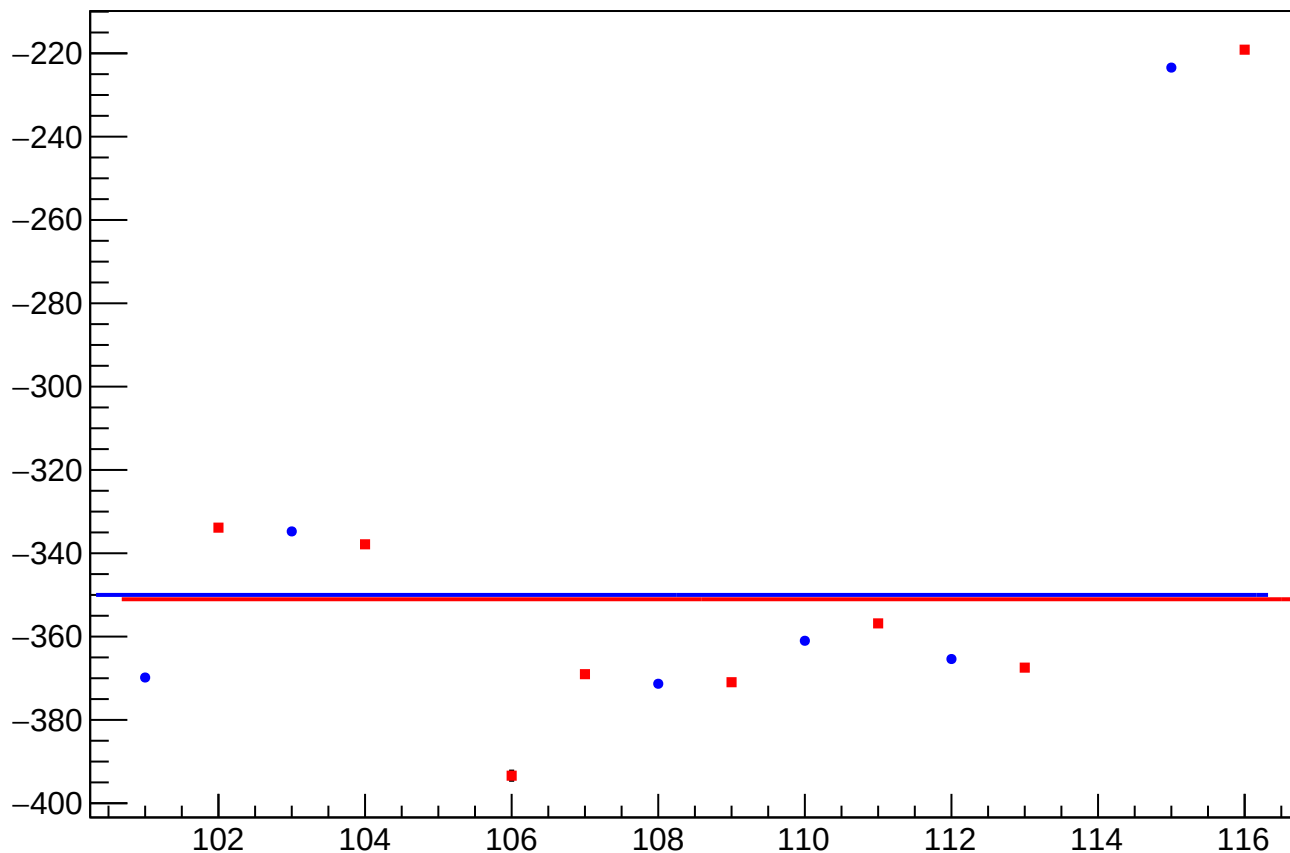
Right: 40.458+/-0.088  $\chi^2/\text{NDF}$ : 14684.3/13

In: 38.784+/-0.158  $\chi^2/\text{NDF}$ : 6824.8/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 40.458+/-0.088  $\chi^2/\text{NDF}$ : 14684.3/13

# dit\_sam2\_4eY\_slope vs Slug, Sign Corrected



Right In: -349.997 $\pm$ 0.161  $\chi^2$ /NDF: 61547.2/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -351.039 $\pm$ 0.148  $\chi^2$ /NDF: 85711.7/7

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: -350.564 $\pm$ 0.109  $\chi^2$ /NDF: 147281.5/13

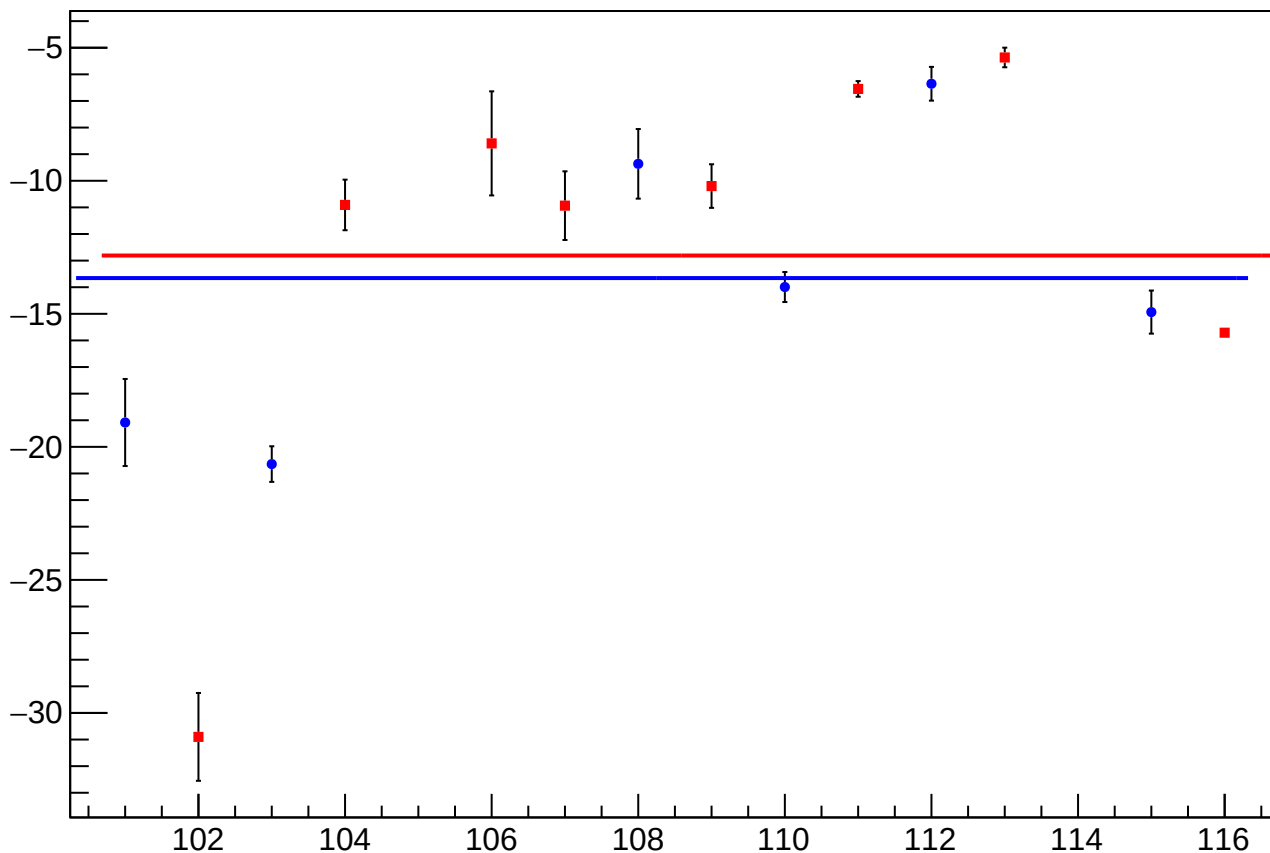
In: -349.997 $\pm$ 0.161  $\chi^2$ /NDF:61547.2/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -350.564 $\pm$ 0.109  $\chi^2$ /NDF: 147281.5/13



# dit\_sam3\_4aX\_slope vs Slug, Sign Corrected



Right In: -13.656+/-0.311  $\chi^2/\text{NDF}$ : 266.4/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -12.809+/-0.122  $\chi^2/\text{NDF}$ : 1376.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

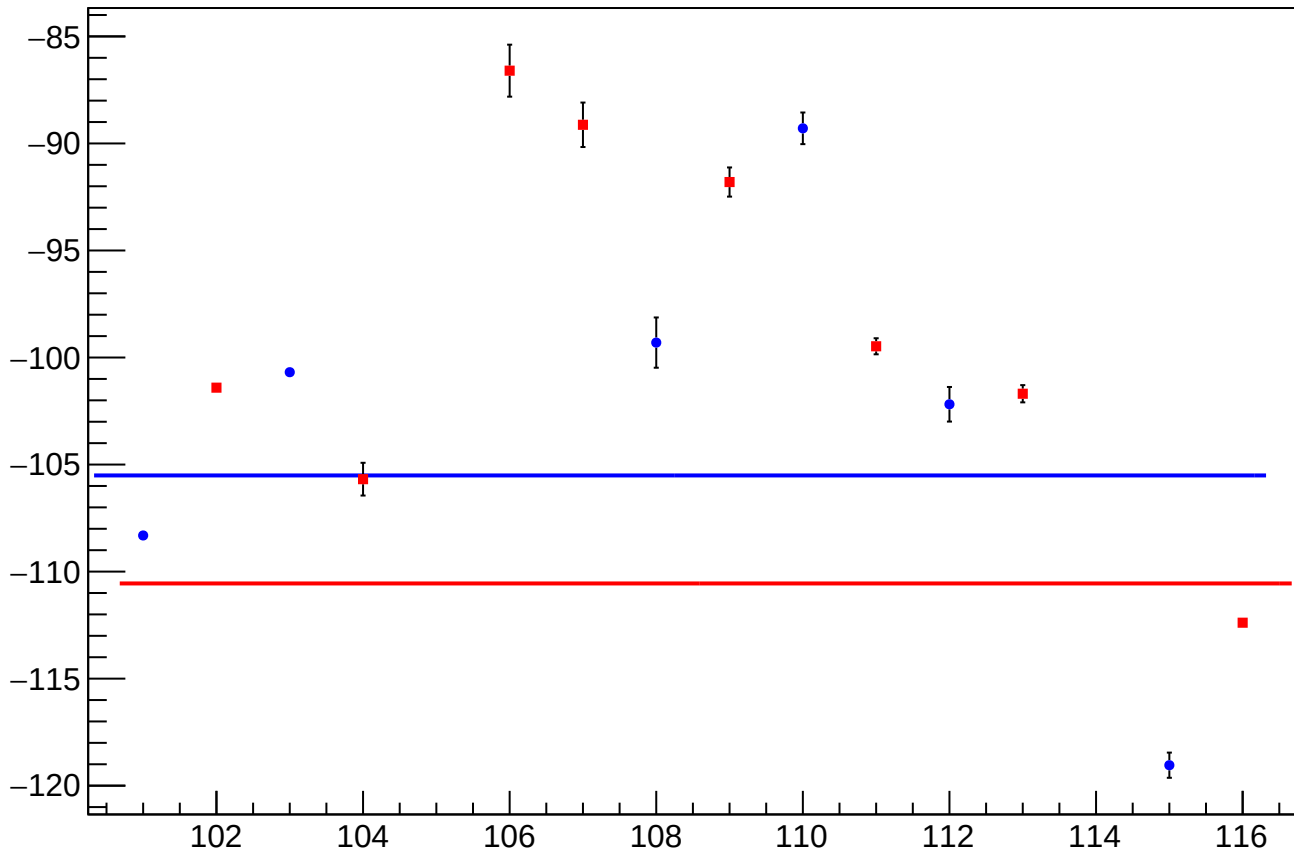
Right: -12.922+/-0.114  $\chi^2/\text{NDF}$ : 1649.2/13

In: -13.656+/-0.311  $\chi^2/\text{NDF}$ :266.4/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -12.922+/-0.114  $\chi^2/\text{NDF}$ : 1649.2/13

# dit\_sam3\_4eX\_slope vs Slug, Sign Corrected



Right In: -105.508+/-0.124  $\chi^2/\text{NDF}$ : 1837.8/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -110.554+/-0.051  $\chi^2/\text{NDF}$ : 7476.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

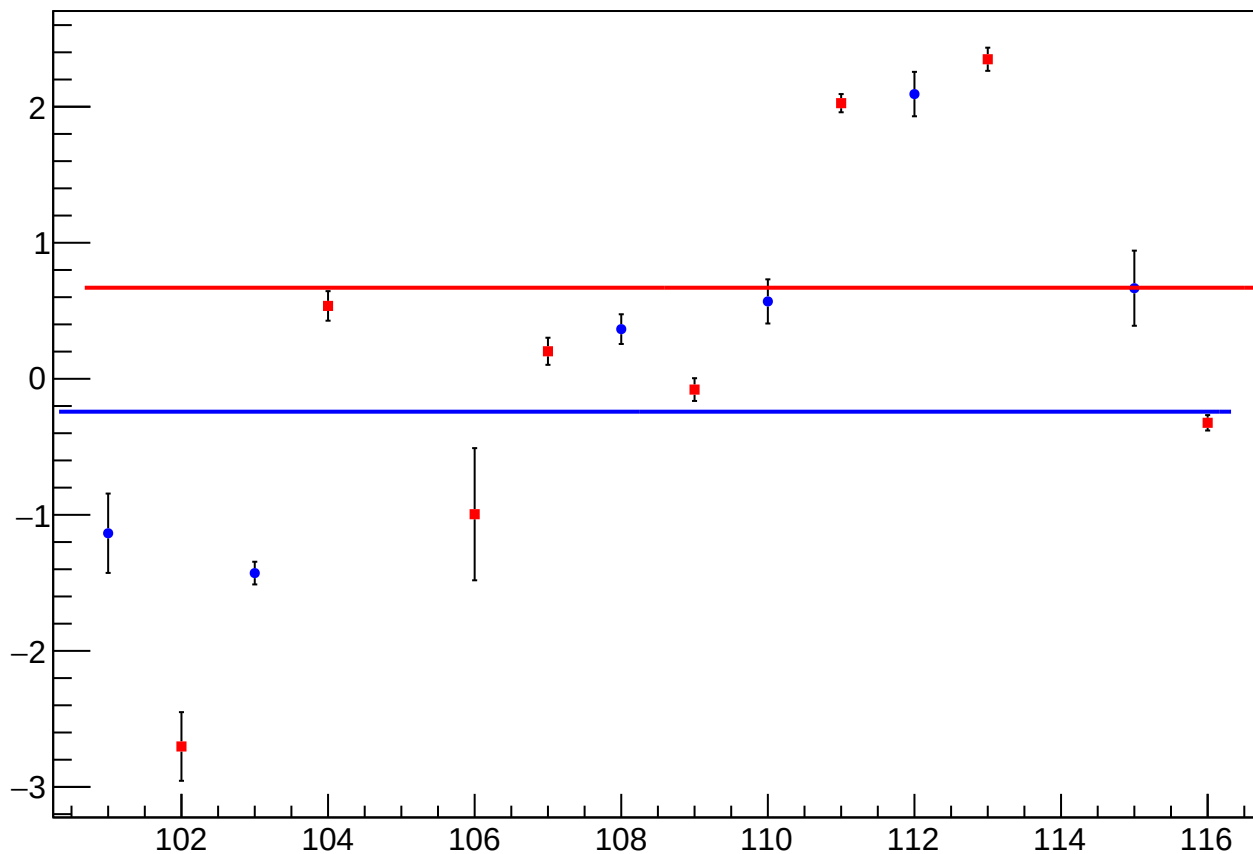
Right: -109.823+/-0.047  $\chi^2/\text{NDF}$ : 10725.7/13

In: -105.508+/-0.124  $\chi^2/\text{NDF}$ : 1837.8/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -109.823+/-0.047  $\chi^2/\text{NDF}$ : 10725.7/13

# dit\_sam3\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-0.242 \pm 0.055$   $\chi^2/\text{NDF}$ : 482.7/5

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.670 \pm 0.031$   $\chi^2/\text{NDF}$ : 1400.9/7

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

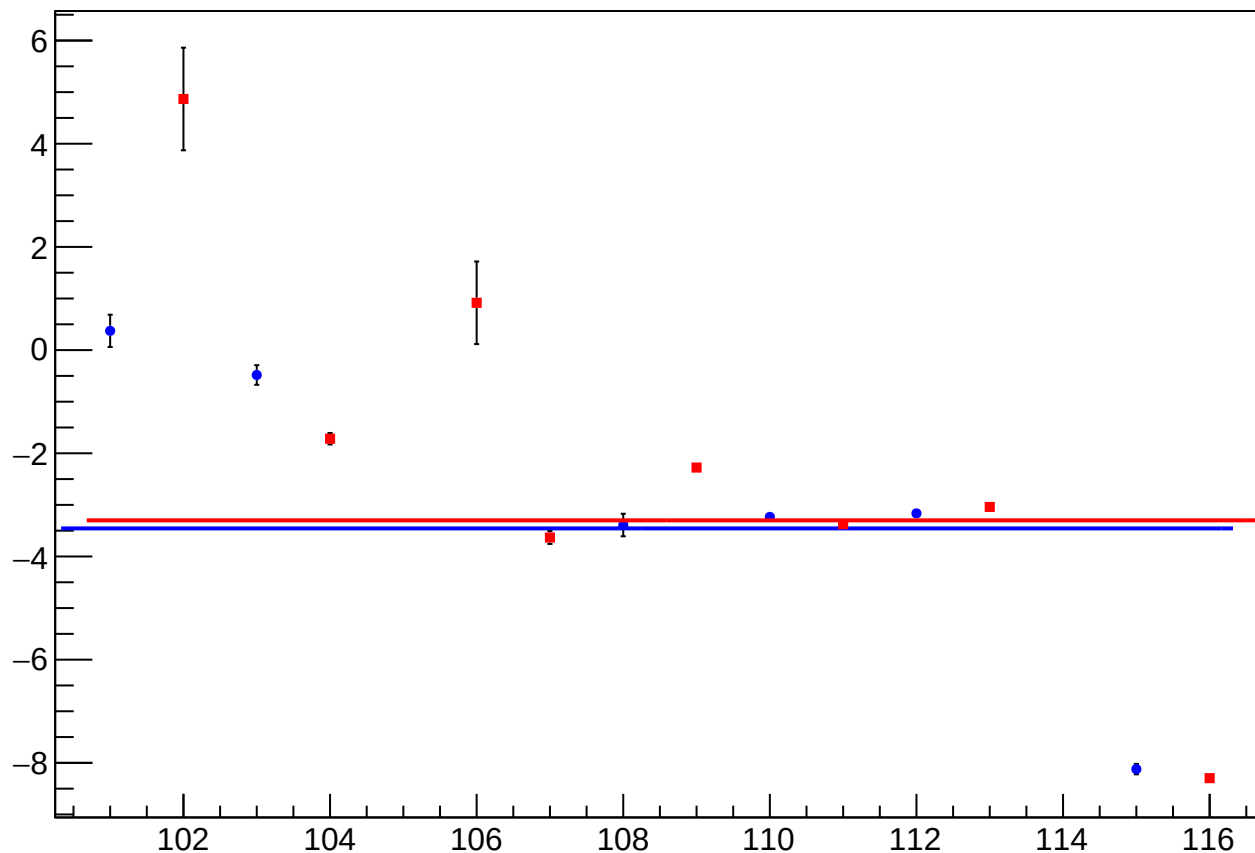
Right:  $0.448 \pm 0.027$   $\chi^2/\text{NDF}$ : 2089.7/13

In:  $-0.242 \pm 0.055$   $\chi^2/\text{NDF}$ : 482.7/5

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.448 \pm 0.027$   $\chi^2/\text{NDF}$ : 2089.7/13

# dit\_sam3\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-3.456 \pm 0.026$   $\chi^2/\text{NDF}$ : 2613.6/5

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.300 \pm 0.014$   $\chi^2/\text{NDF}$ : 11188.0/7

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

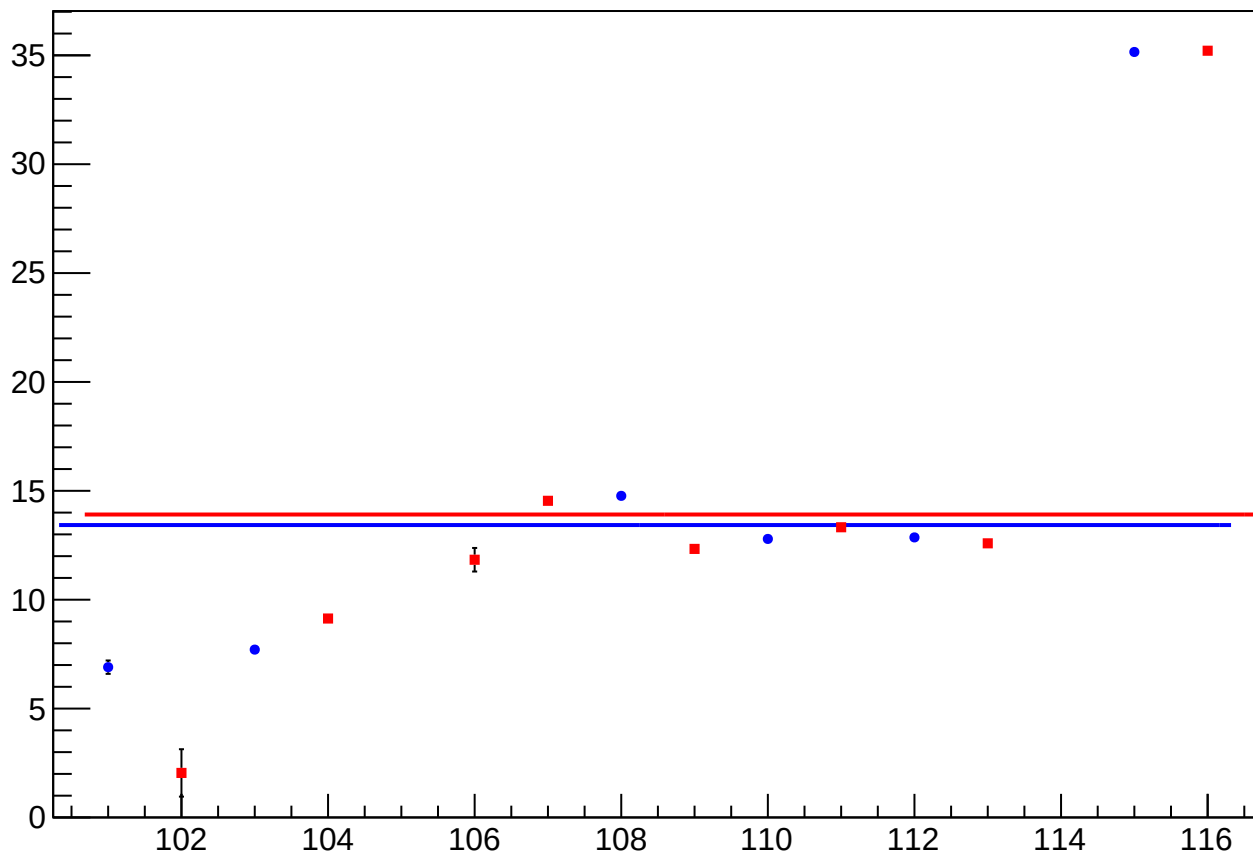
Right:  $-3.335 \pm 0.012$   $\chi^2/\text{NDF}$ : 13829.7/13

In:  $-3.456 \pm 0.026$   $\chi^2/\text{NDF}$ : 2613.6/5

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.335 \pm 0.012$   $\chi^2/\text{NDF}$ : 13829.7/13

# dit\_sam3\_4eY\_slope vs Slug, Sign Corrected



Right In: 13.429+/-0.030  $\chi^2/\text{NDF}$ : 19529.9/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.912+/-0.020  $\chi^2/\text{NDF}$ : 76419.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

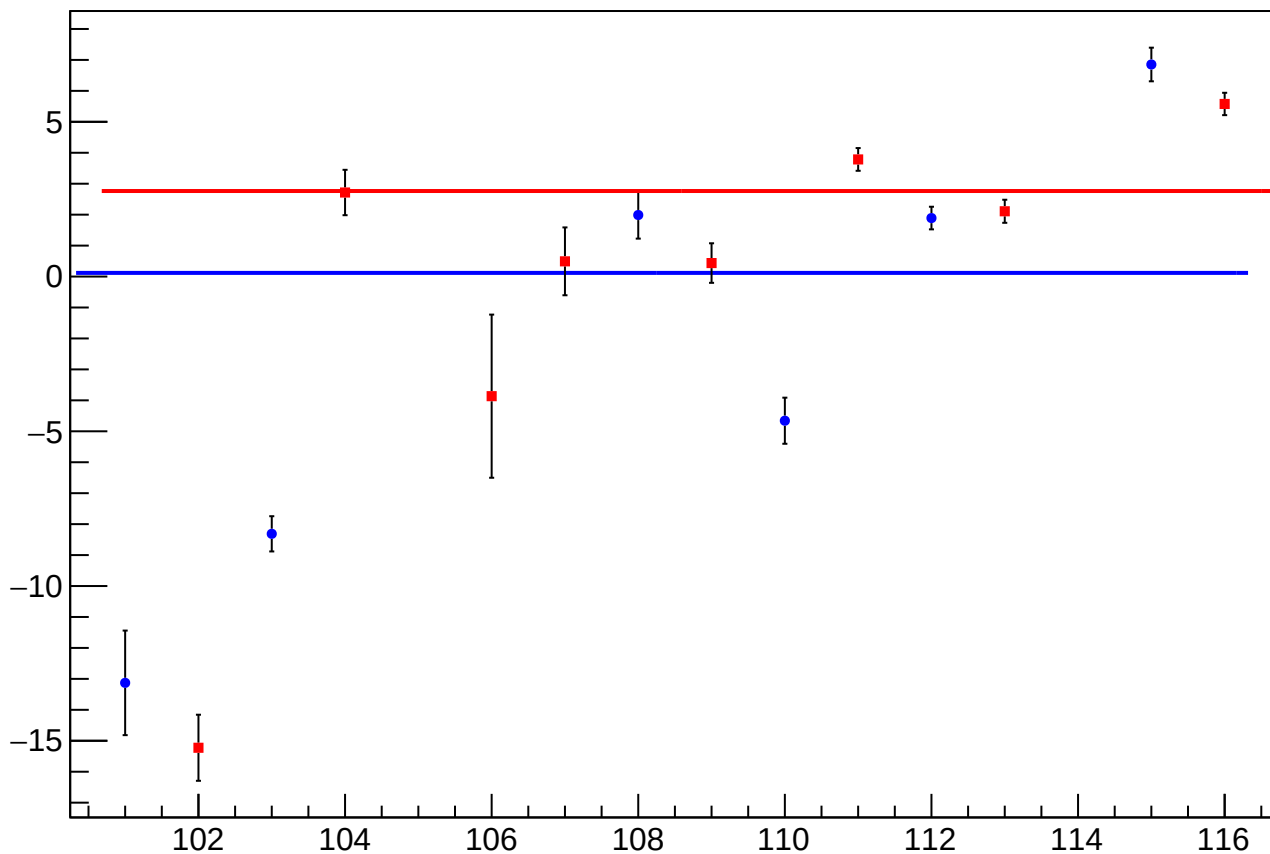
Right: 13.765+/-0.016  $\chi^2/\text{NDF}$ : 96132.8/13

In: 13.429+/-0.030  $\chi^2/\text{NDF}$ : 19529.9/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 13.765+/-0.016  $\chi^2/\text{NDF}$ : 96132.8/13

# dit\_sam4\_4aX\_slope vs Slug, Sign Corrected



Right In: 0.118 $\pm$ 0.237  $\chi^2$ /NDF: 505.1/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.764 $\pm$ 0.187  $\chi^2$ /NDF: 379.3/7

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

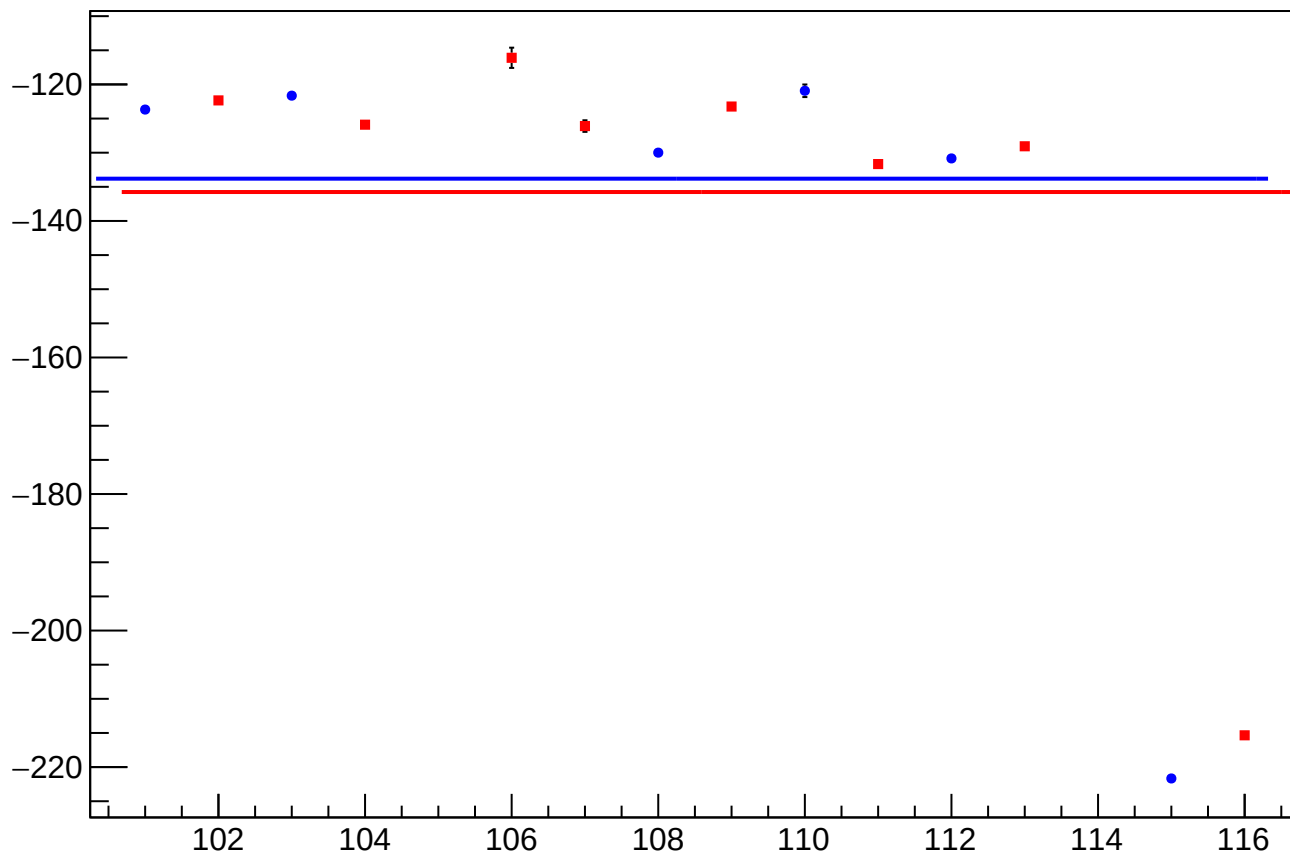
Right: 1.745 $\pm$ 0.147  $\chi^2$ /NDF: 961.2/13

In: 0.118 $\pm$ 0.237  $\chi^2$ /NDF:505.1/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.745 $\pm$ 0.147  $\chi^2$ /NDF: 961.2/13

# dit\_sam4\_4eX\_slope vs Slug, Sign Corrected



Right In: -133.806+/-0.111  $\chi^2/\text{NDF}$ : 74206.2/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -135.761+/-0.120  $\chi^2/\text{NDF}$ : 66314.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

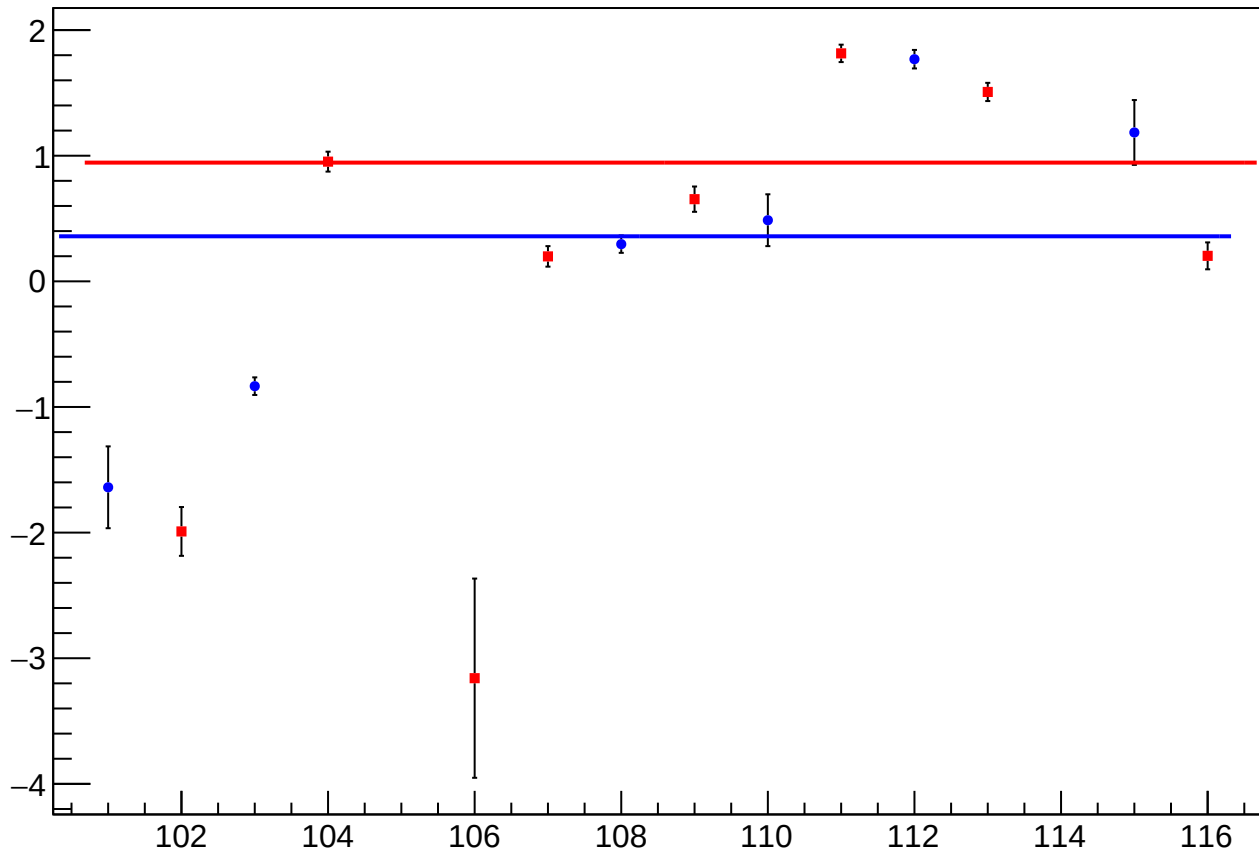
Right: -134.706+/-0.081  $\chi^2/\text{NDF}$ : 140664.4/13

In: -133.806+/-0.111  $\chi^2/\text{NDF}$ : 74206.2/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -134.706+/-0.081  $\chi^2/\text{NDF}$ : 140664.4/13

# dit\_sam4\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $0.359 \pm 0.039$   $\chi^2/\text{NDF}$ : 704.9/5

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.945 \pm 0.033$   $\chi^2/\text{NDF}$ : 612.7/7

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:  $0.704 \pm 0.025$   $\chi^2/\text{NDF}$ : 1448.1/13

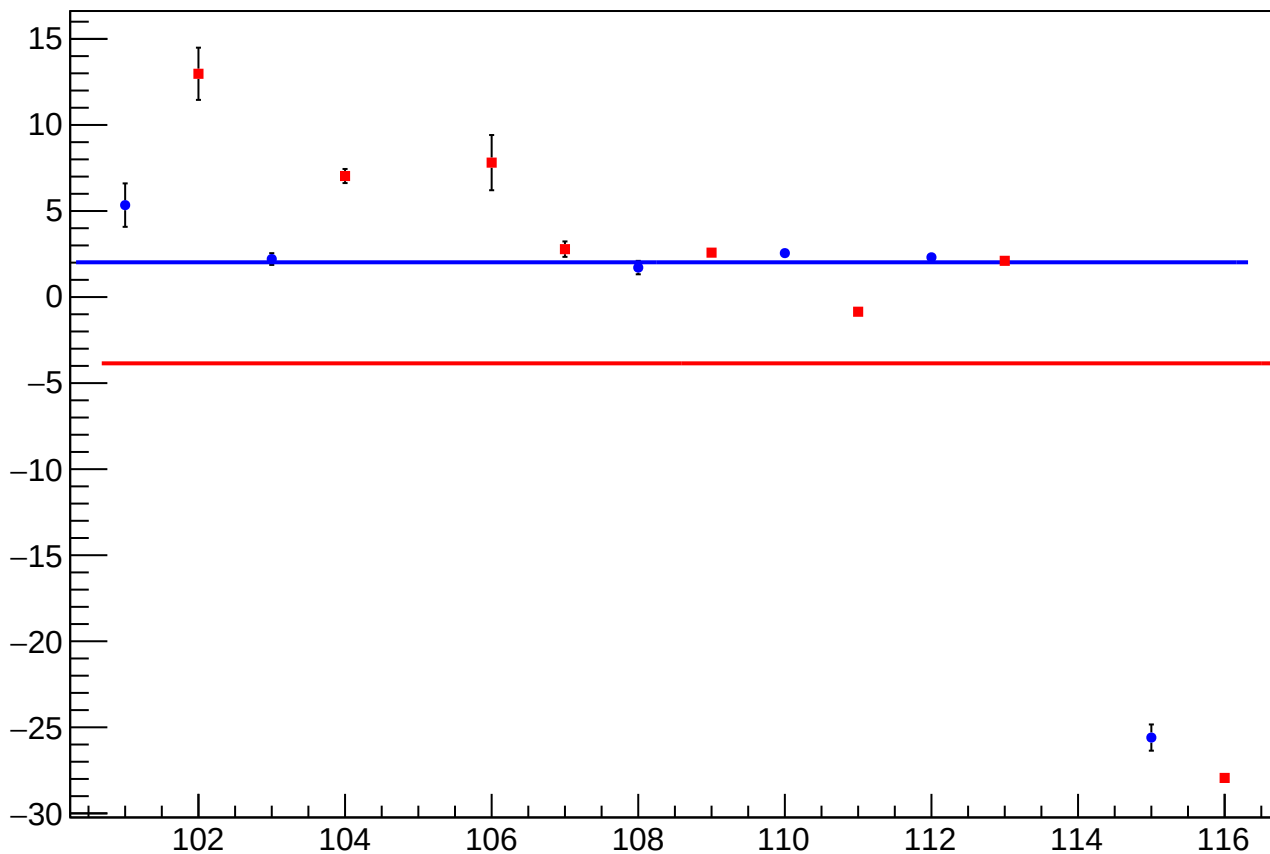
In:  $0.359 \pm 0.039$   $\chi^2/\text{NDF}$ : 704.9/5

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.704 \pm 0.025$   $\chi^2/\text{NDF}$ : 1448.1/13



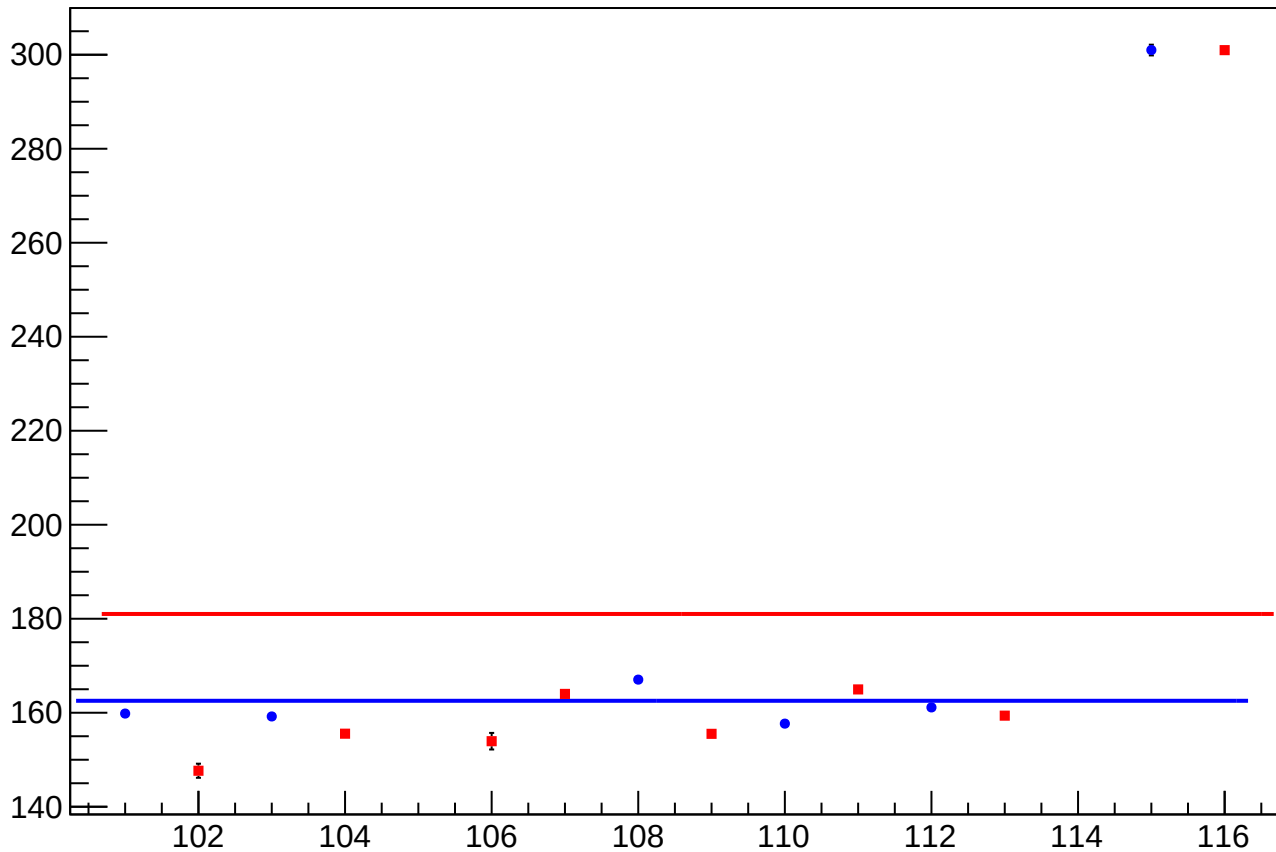
# dit\_sam4\_4aY\_slope vs Slug, Sign Corrected



Right In: 2.020+/-0.084  $\chi^2/\text{NDF}$ : 1339.8/5  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -3.852+/-0.072  $\chi^2/\text{NDF}$ : 26262.3/7  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right: -1.383+/-0.055  $\chi^2/\text{NDF}$ : 30422.8/13  
 In: 2.020+/-0.084  $\chi^2/\text{NDF}$ : 1339.8/5  
 Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 All: -1.383+/-0.055  $\chi^2/\text{NDF}$ : 30422.8/13

# dit\_sam4\_4eY\_slope vs Slug, Sign Corrected



Right In: 162.543+/-0.141  $\chi^2/\text{NDF}$ : 15306.1/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 181.016+/-0.110  $\chi^2/\text{NDF}$ : 223914.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

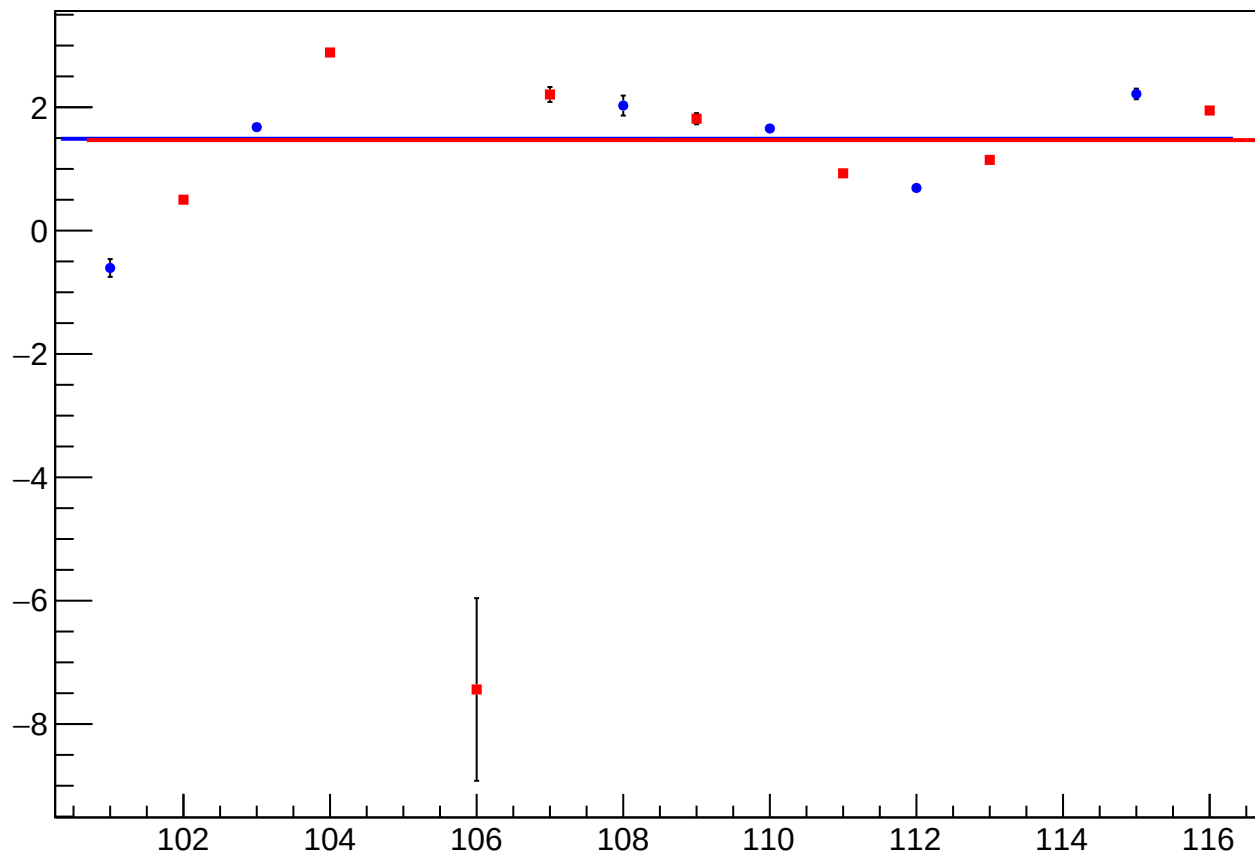
Right: 174.028+/-0.087  $\chi^2/\text{NDF}$ : 249900.5/13

In: 162.543+/-0.141  $\chi^2/\text{NDF}$ : 15306.1/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 174.028+/-0.087  $\chi^2/\text{NDF}$ : 249900.5/13

# dit\_sam5\_4aX\_slope vs Slug, Sign Corrected



Right In: 1.489 $\pm$ 0.030  $\chi^2$ /NDF: 428.2/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.467 $\pm$ 0.015  $\chi^2$ /NDF: 1407.9/7

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

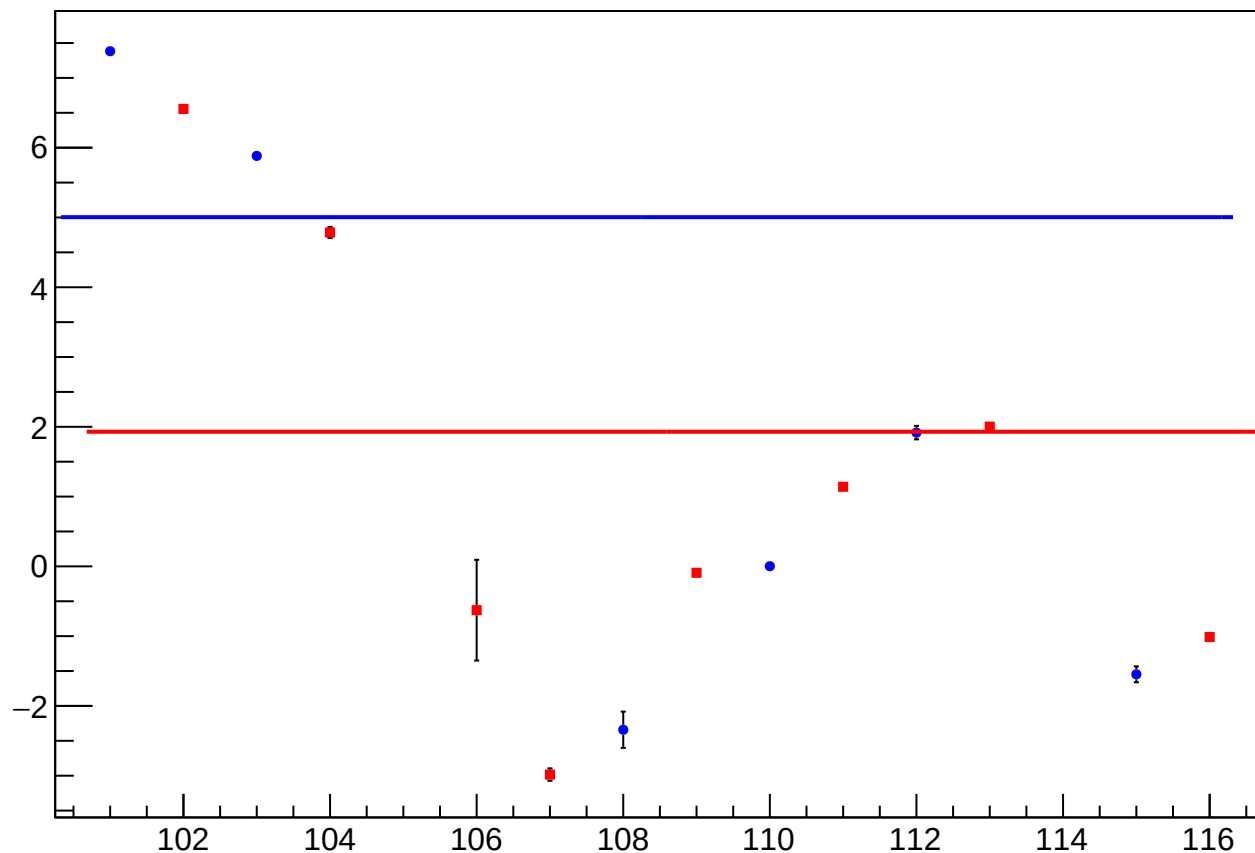
Right: 1.471 $\pm$ 0.014  $\chi^2$ /NDF: 1836.5/13

In: 1.489 $\pm$ 0.030  $\chi^2$ /NDF: 428.2/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.471 $\pm$ 0.014  $\chi^2$ /NDF: 1836.5/13

# dit\_sam5\_4eX\_slope vs Slug, Sign Corrected



Right In: 5.005 $\pm$ 0.022  $\chi^2$ /NDF: 14000.1/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.929 $\pm$ 0.015  $\chi^2$ /NDF: 37567.0/7

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

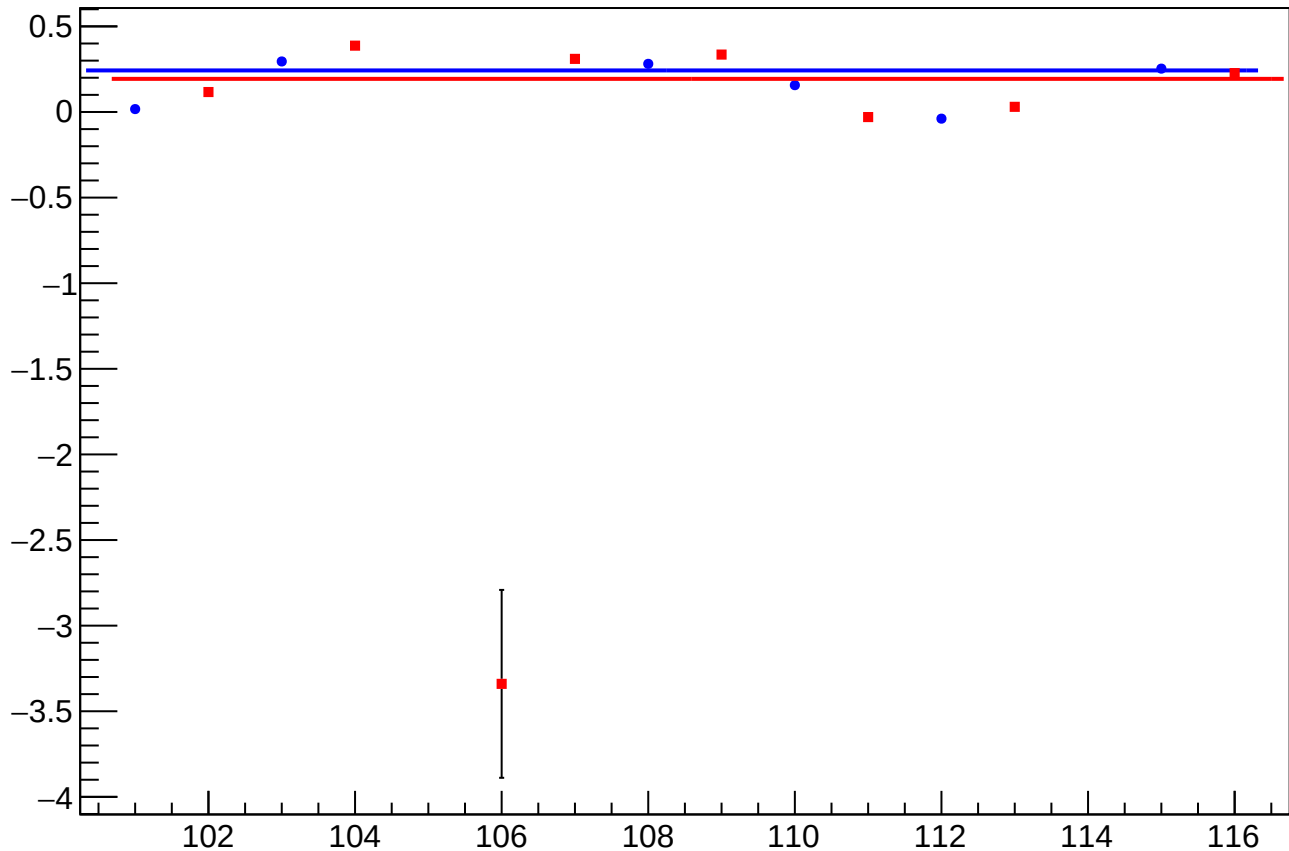
Right: 2.925 $\pm$ 0.012  $\chi^2$ /NDF: 65212.0/13

In: 5.005 $\pm$ 0.022  $\chi^2$ /NDF:14000.1/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.925 $\pm$ 0.012  $\chi^2$ /NDF: 65212.0/13

# dit\_sam5\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.243+/-0.004  $\chi^2/\text{NDF}$ : 498.1/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.193+/-0.003  $\chi^2/\text{NDF}$ : 3253.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

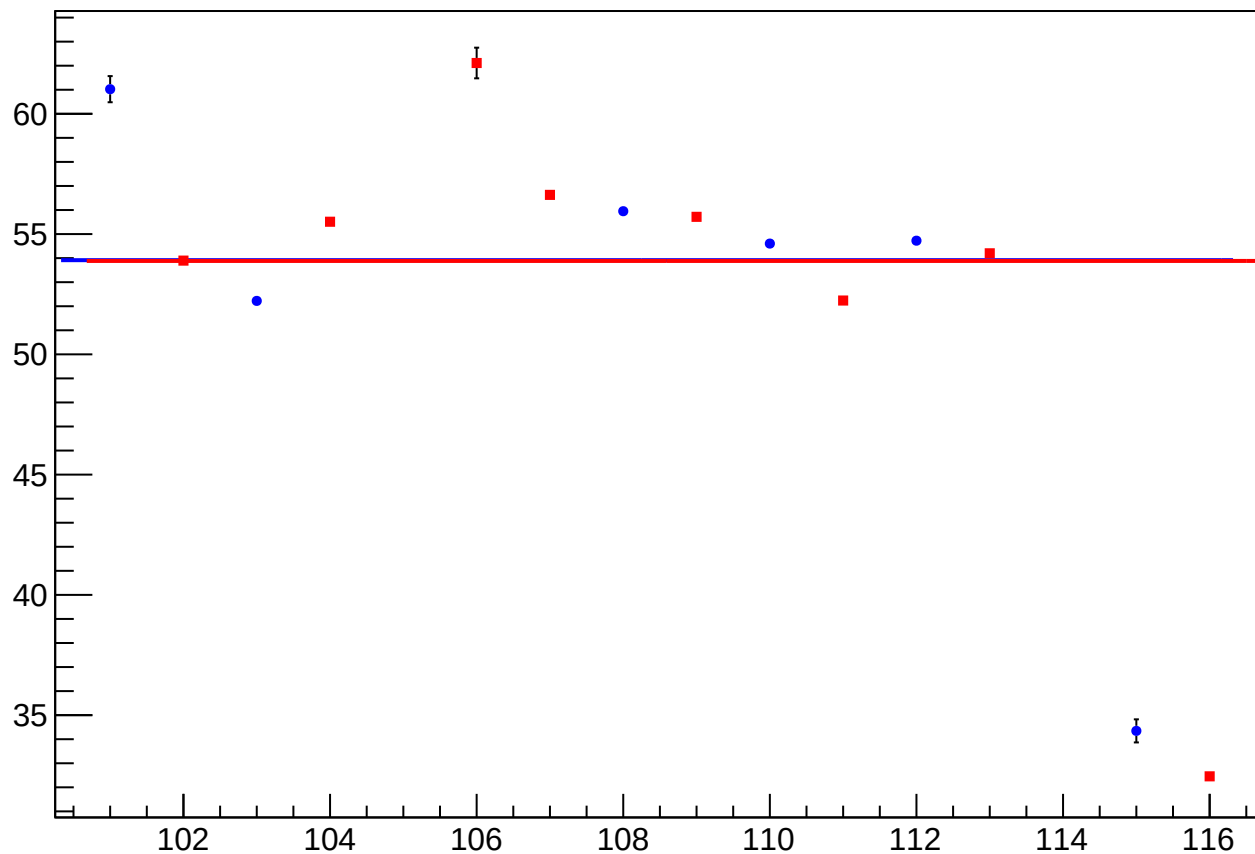
Right: 0.208+/-0.002  $\chi^2/\text{NDF}$ : 3841.4/13

In: 0.243+/-0.004  $\chi^2/\text{NDF}$ : 498.1/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.208+/-0.002  $\chi^2/\text{NDF}$ : 3841.4/13

# dit\_sam5\_4aY\_slope vs Slug, Sign Corrected



Right In:  $53.915 \pm 0.040$   $\chi^2/\text{NDF}: 3332.9/5$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $53.884 \pm 0.039$   $\chi^2/\text{NDF}: 15457.6/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

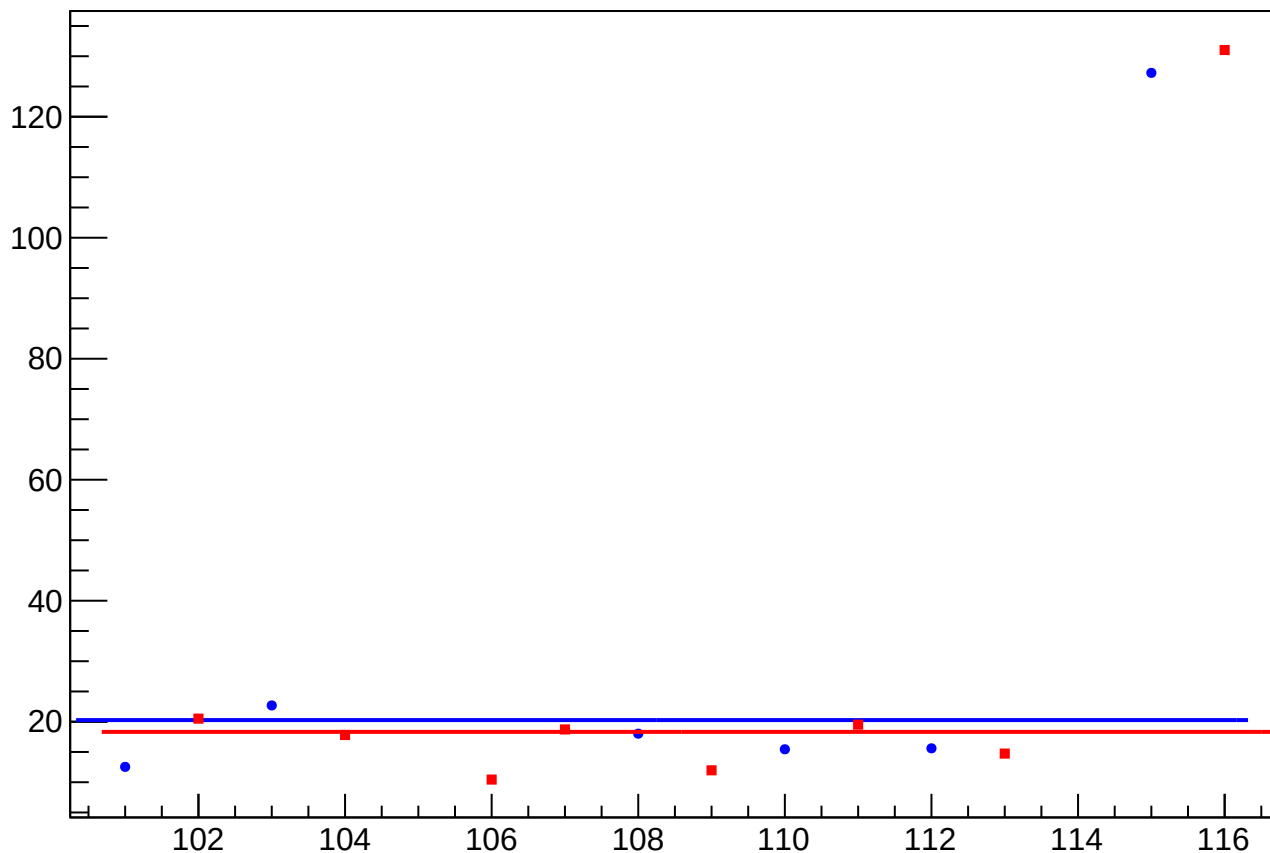
Right:  $53.899 \pm 0.028$   $\chi^2/\text{NDF}: 18790.7/13$

In:  $53.915 \pm 0.040$   $\chi^2/\text{NDF}: 3332.9/5$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $53.899 \pm 0.028$   $\chi^2/\text{NDF}: 18790.7/13$

# dit\_sam5\_4eY\_slope vs Slug, Sign Corrected



Right In: 20.269+/-0.049  $\chi^2/\text{NDF}$ : 37781.5/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 18.322+/-0.054  $\chi^2/\text{NDF}$ : 89326.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

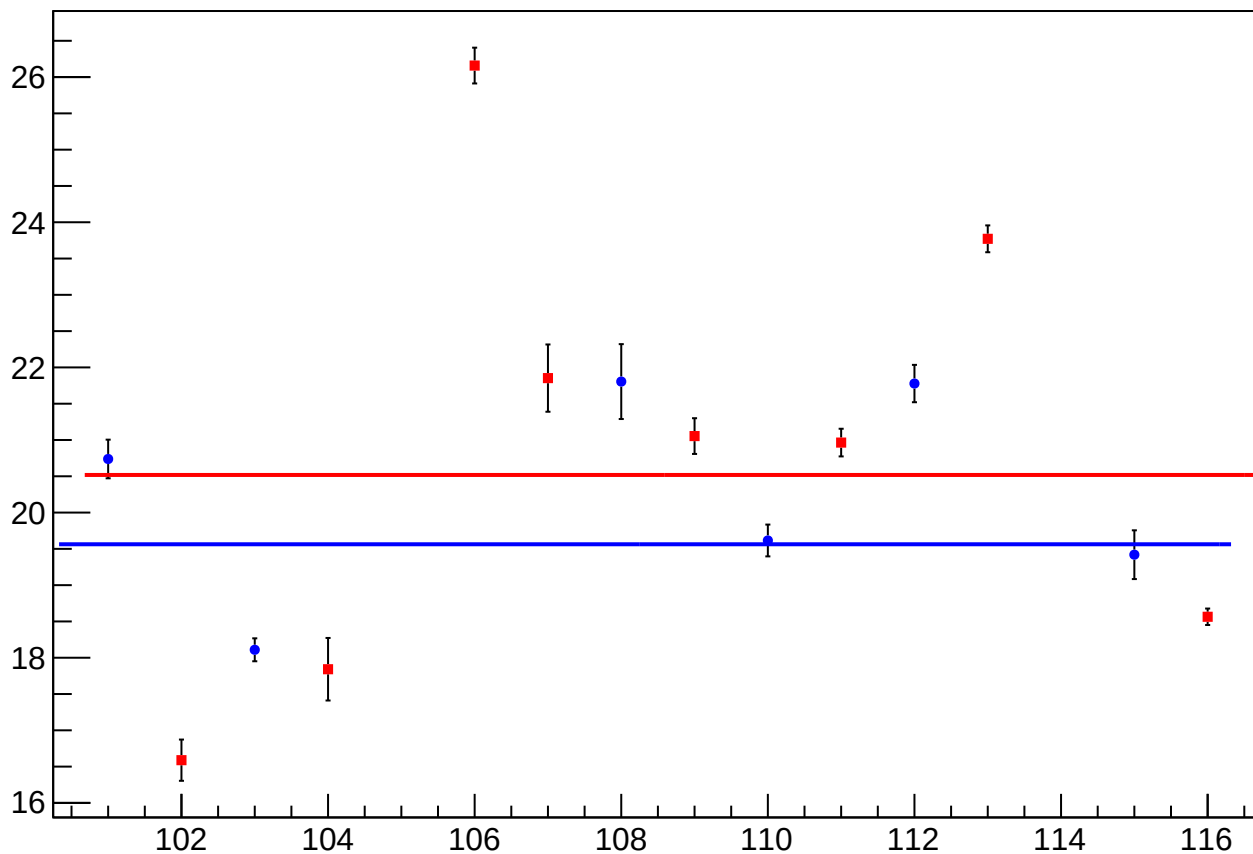
Right: 19.404+/-0.036  $\chi^2/\text{NDF}$ : 127822.0/13

In: 20.269+/-0.049  $\chi^2/\text{NDF}$ : 37781.5/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 19.404+/-0.036  $\chi^2/\text{NDF}$ : 127822.0/13

# dit\_sam6\_4aX\_slope vs Slug, Sign Corrected



Right In: 19.563+/-0.099  $\chi^2$ /NDF: 197.3/5

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 20.518+/-0.073  $\chi^2$ /NDF: 1378.7/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 20.183+/-0.058  $\chi^2$ /NDF: 1636.8/13

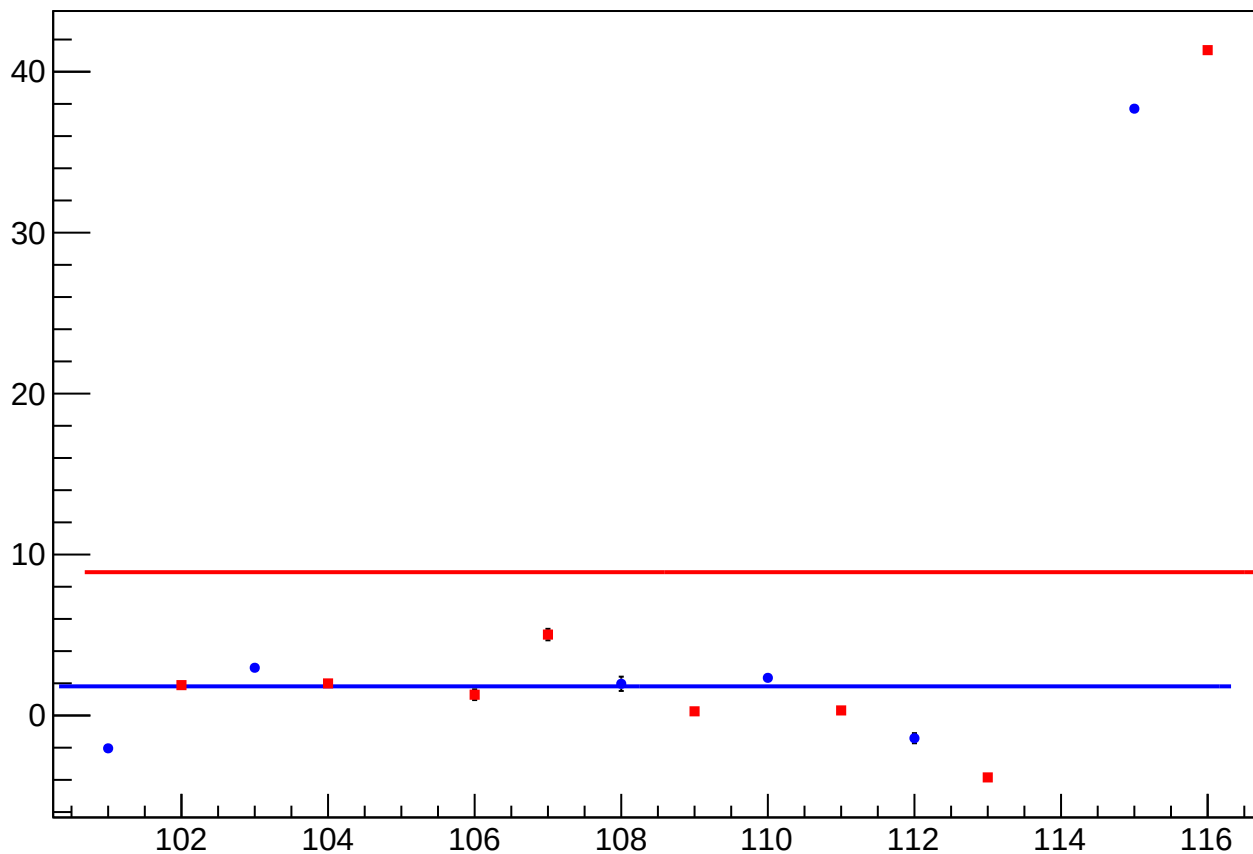
In: 19.563+/-0.099  $\chi^2$ /NDF: 197.3/5

Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 20.183+/-0.058  $\chi^2$ /NDF: 1636.8/13



# dit\_sam6\_4eX\_slope vs Slug, Sign Corrected



Right In: 1.811+/-0.050  $\chi^2/\text{NDF}$ : 19071.9/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.905+/-0.068  $\chi^2/\text{NDF}$ : 57124.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

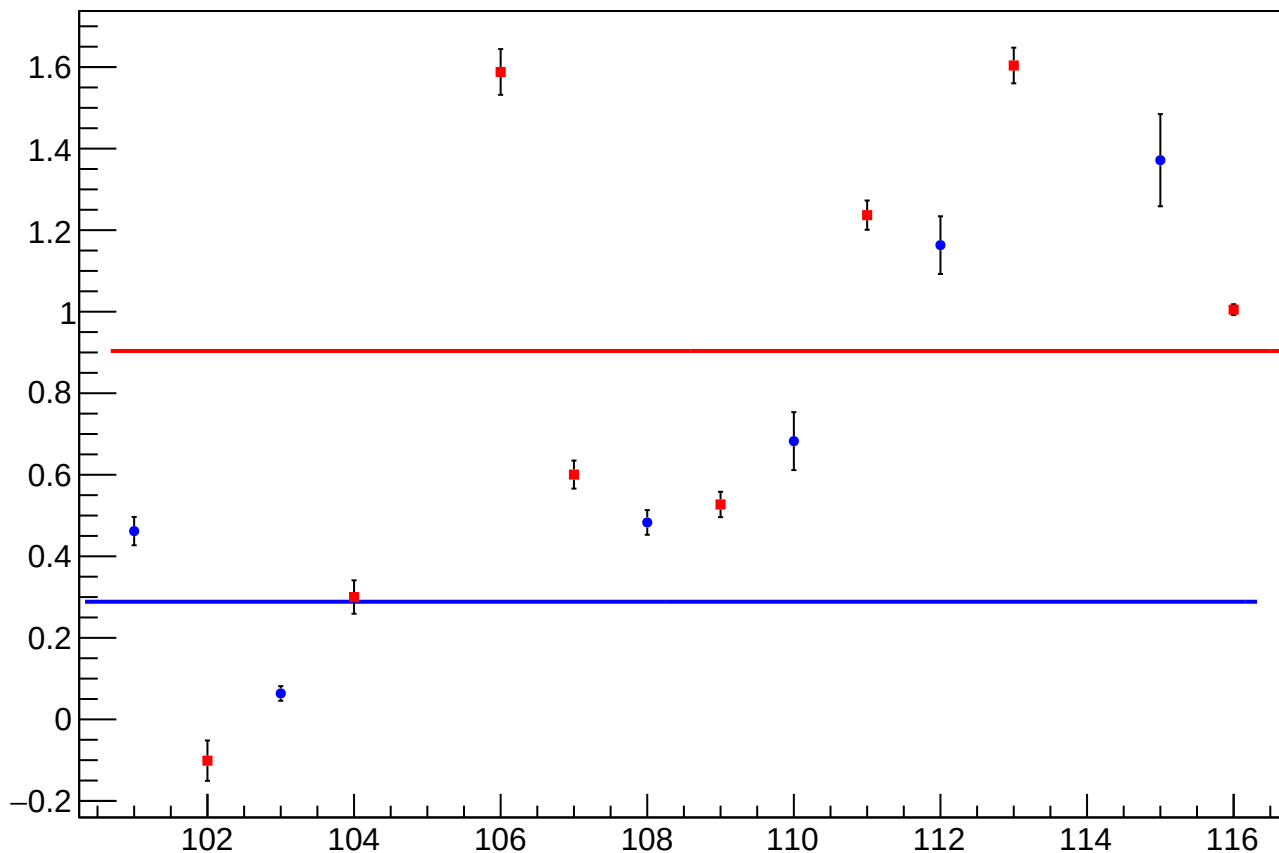
Right: 4.278+/-0.040  $\chi^2/\text{NDF}$ : 83197.1/13

In: 1.811+/-0.050  $\chi^2/\text{NDF}$ : 19071.9/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.278+/-0.040  $\chi^2/\text{NDF}$ : 83197.1/13

# dit\_sam6\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $0.289 \pm 0.014$   $\chi^2/\text{NDF}: 497.9/5$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.904 \pm 0.010$   $\chi^2/\text{NDF}: 1404.5/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

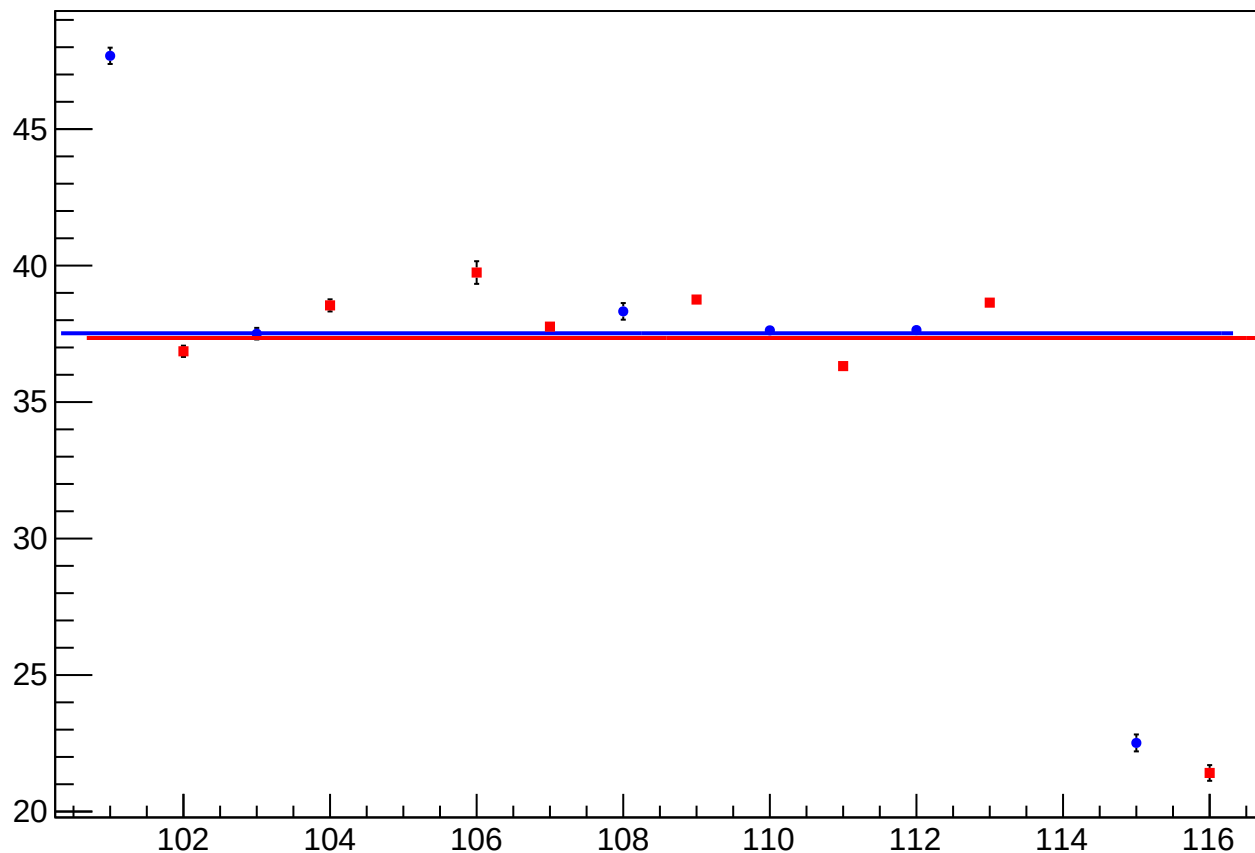
Right:  $0.688 \pm 0.008$   $\chi^2/\text{NDF}: 3250.6/13$

In:  $0.289 \pm 0.014$   $\chi^2/\text{NDF}: 497.9/5$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $0.688 \pm 0.008$   $\chi^2/\text{NDF}: 3250.6/13$

# dit\_sam6\_4aY\_slope vs Slug, Sign Corrected



Right In: 37.520 $\pm$ 0.054  $\chi^2$ /NDF: 3509.1/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 37.347 $\pm$ 0.042  $\chi^2$ /NDF: 3775.6/7

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

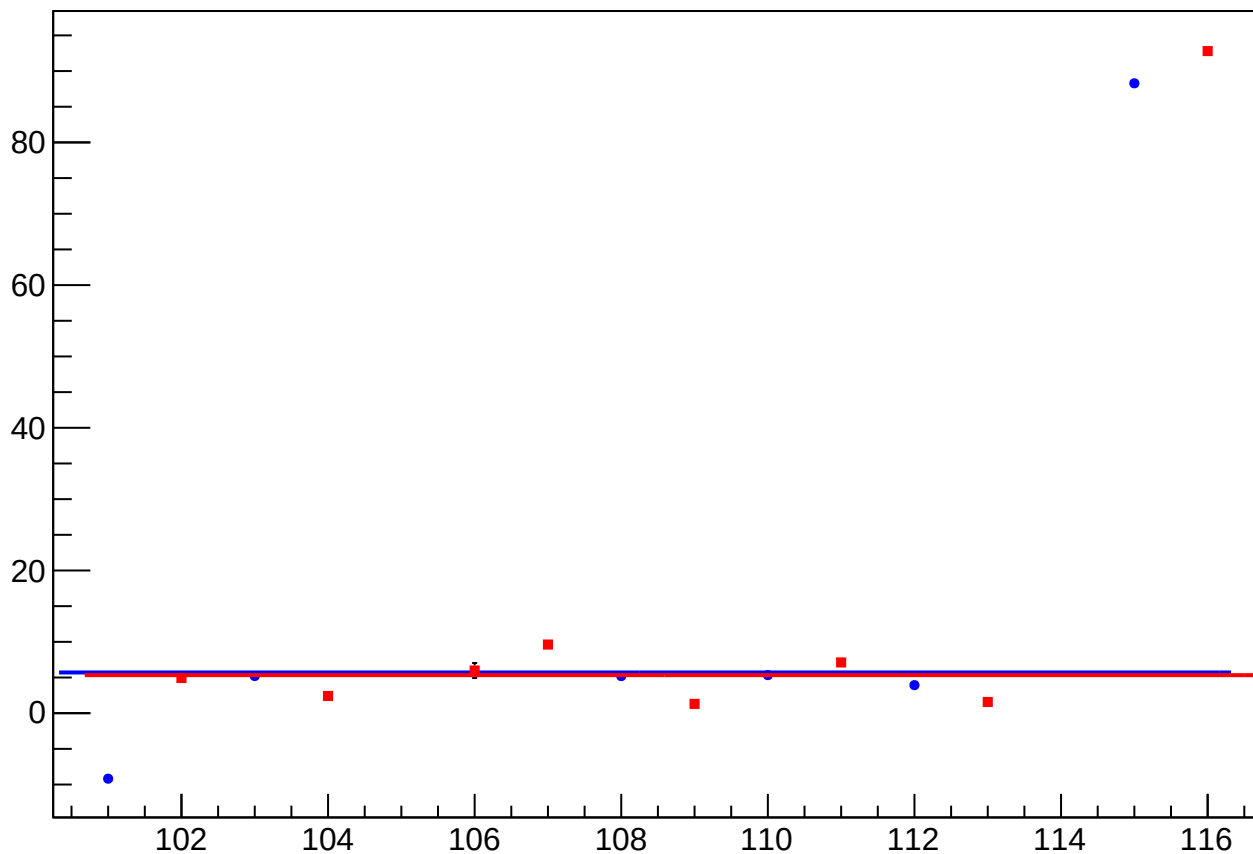
Right: 37.412 $\pm$ 0.033  $\chi^2$ /NDF: 7291.2/13

In: 37.520 $\pm$ 0.054  $\chi^2$ /NDF:3509.1/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 37.412 $\pm$ 0.033  $\chi^2$ /NDF: 7291.2/13

# dit\_sam6\_4eY\_slope vs Slug, Sign Corrected



Right In: 5.708+/-0.058  $\chi^2/\text{NDF}$ : 48442.4/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.330+/-0.060  $\chi^2/\text{NDF}$ : 36906.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

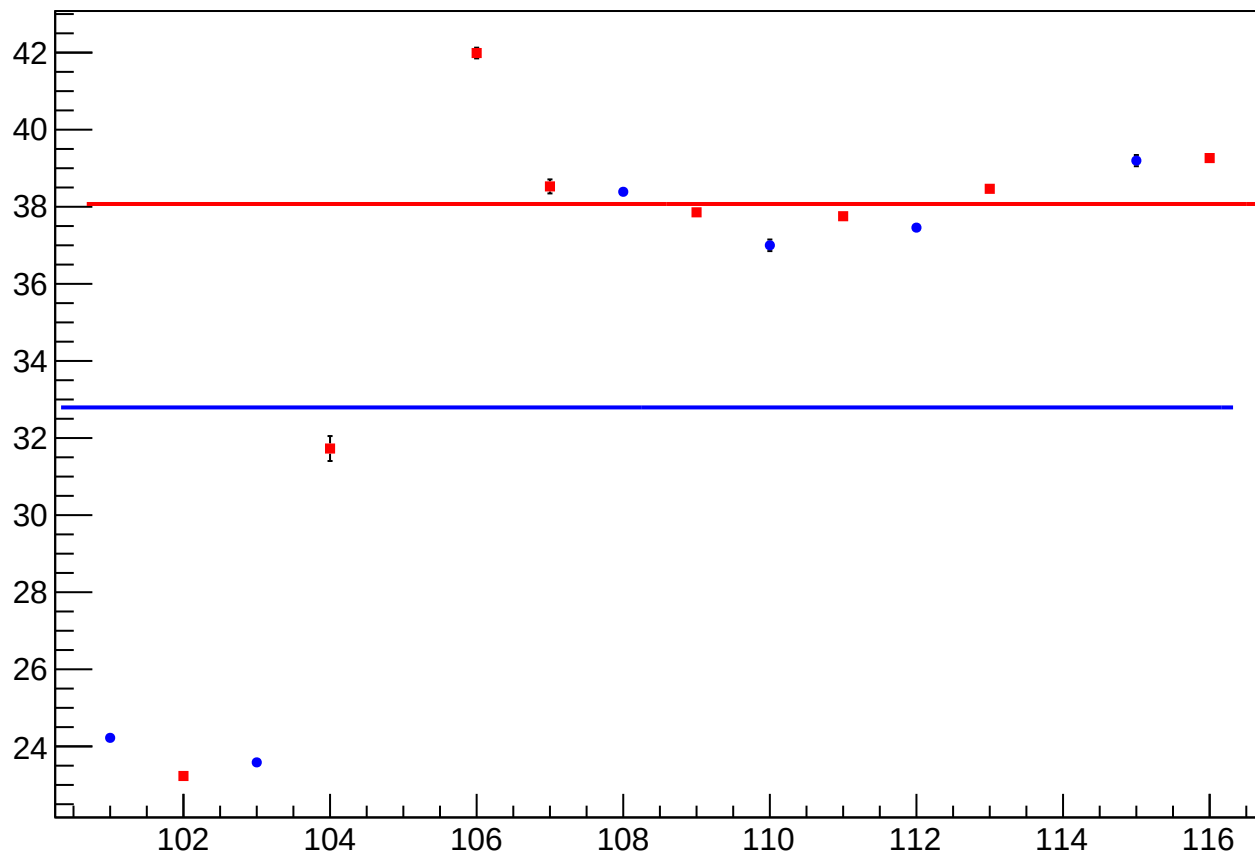
Right: 5.527+/-0.042  $\chi^2/\text{NDF}$ : 85368.9/13

In: 5.708+/-0.058  $\chi^2/\text{NDF}$ : 48442.4/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.527+/-0.042  $\chi^2/\text{NDF}$ : 85368.9/13

# dit\_sam7\_4aX\_slope vs Slug, Sign Corrected



Right In: 32.794+/-0.037  $\chi^2/\text{NDF}$ : 33133.4/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 38.072+/-0.022  $\chi^2/\text{NDF}$ : 16533.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

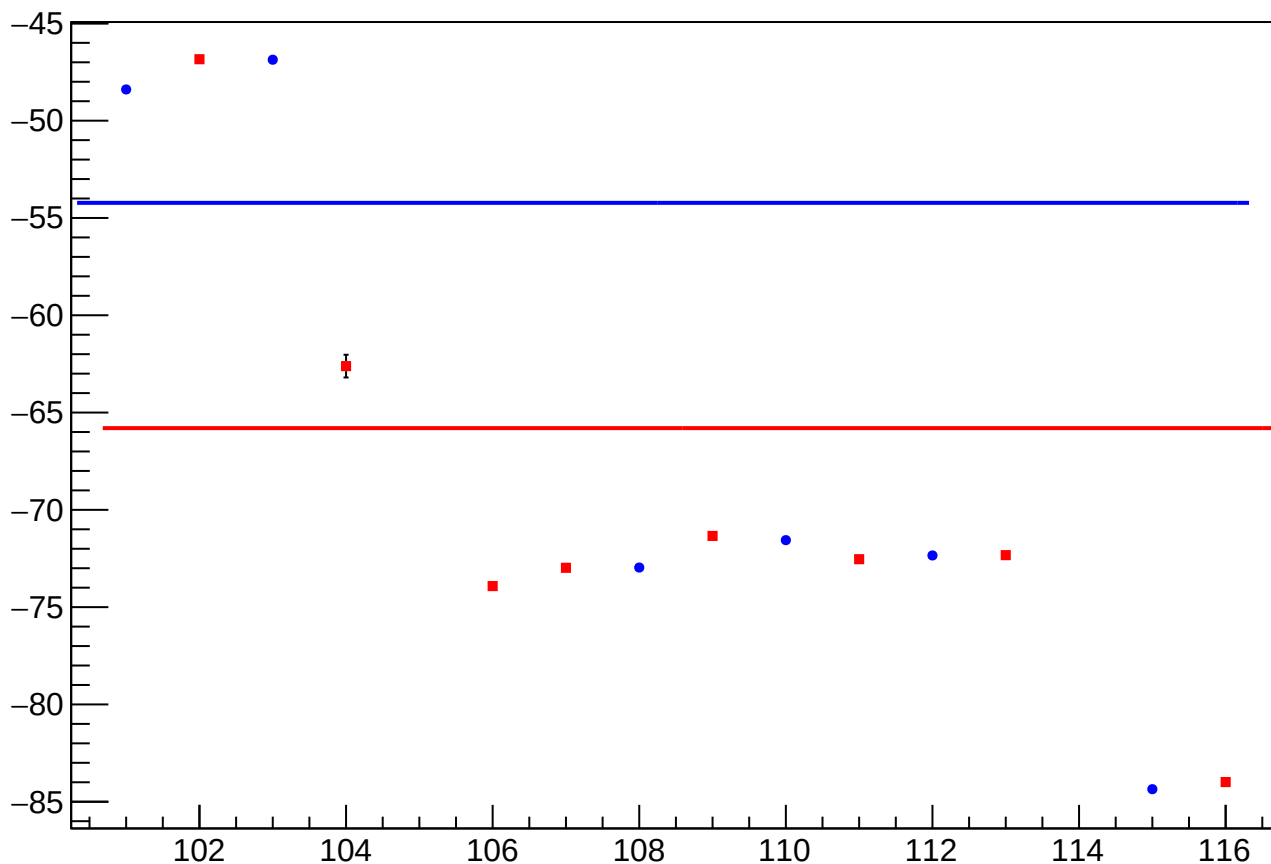
Right: 36.720+/-0.019  $\chi^2/\text{NDF}$ : 64995.7/13

In: 32.794+/-0.037  $\chi^2/\text{NDF}$ : 33133.4/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 36.720+/-0.019  $\chi^2/\text{NDF}$ : 64995.7/13

# dit\_sam7\_4eX\_slope vs Slug, Sign Corrected



Right In: -54.223+/-0.022  $\chi^2/\text{NDF}$ : 280874.6/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -65.800+/-0.016  $\chi^2/\text{NDF}$ : 749425.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

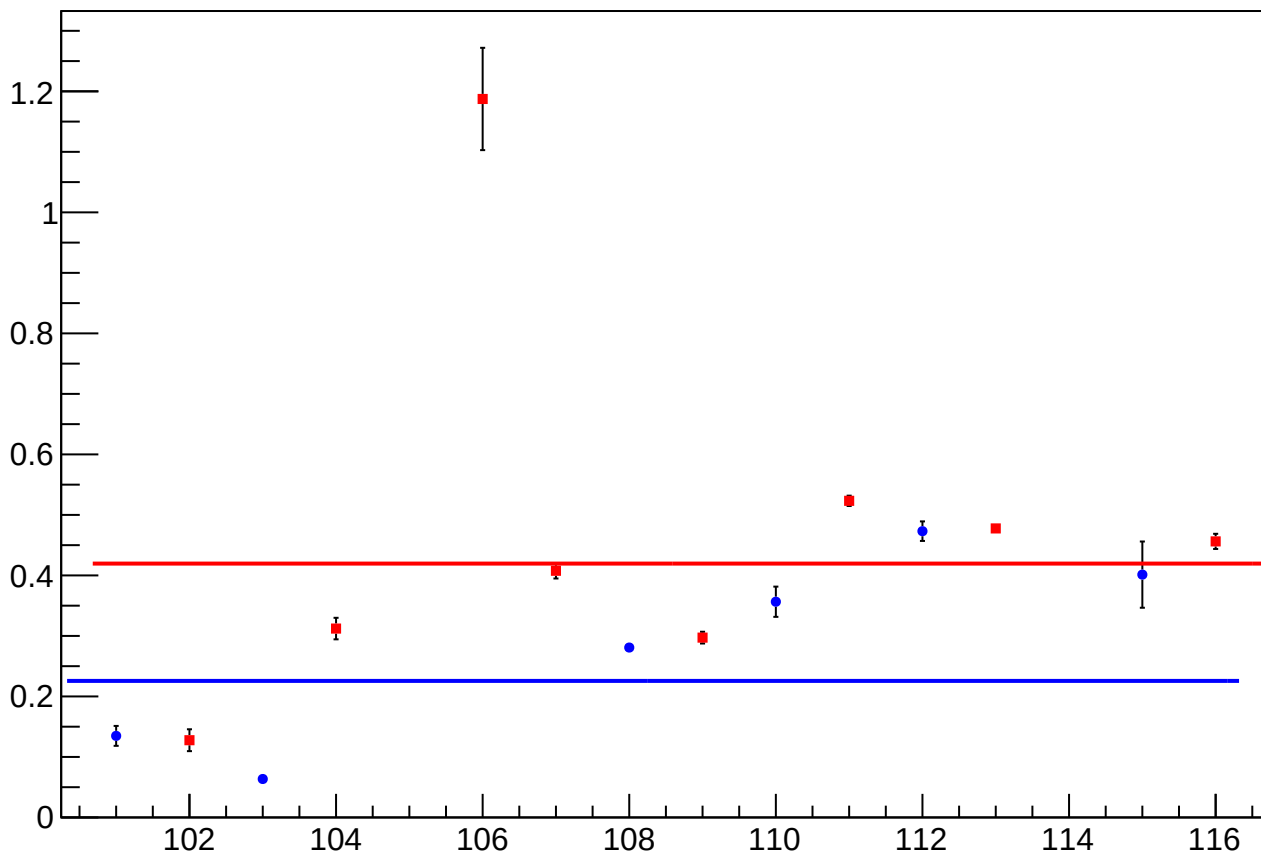
Right: -61.768+/-0.013  $\chi^2/\text{NDF}$ : 1205394.6/13

In: -54.223+/-0.022  $\chi^2/\text{NDF}$ : 280874.6/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -61.768+/-0.013  $\chi^2/\text{NDF}$ : 1205394.6/13

# dit\_sam7\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.226+/-0.004  $\chi^2/\text{NDF}$ : 811.6/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.420+/-0.004  $\chi^2/\text{NDF}$ : 744.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

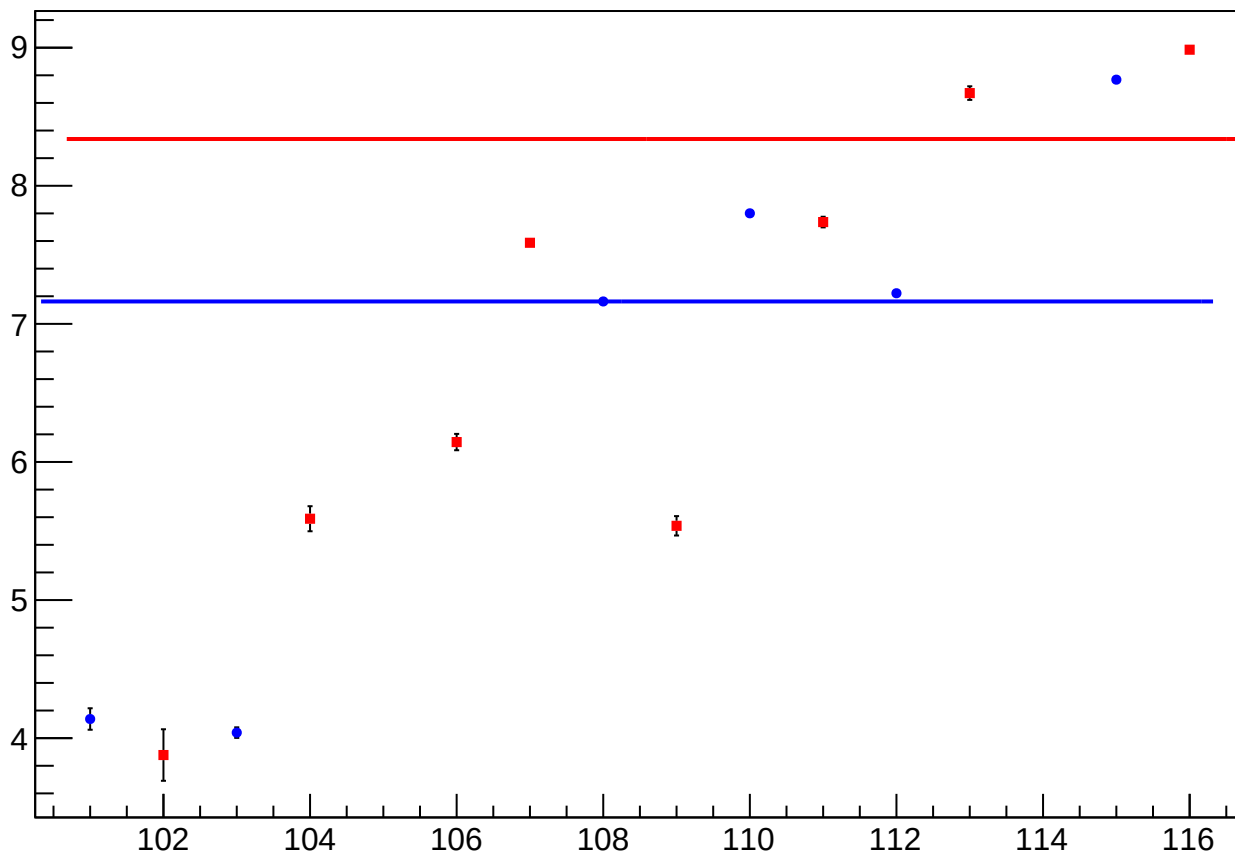
Right: 0.324+/-0.003  $\chi^2/\text{NDF}$ : 2621.6/13

In: 0.226+/-0.004  $\chi^2/\text{NDF}$ : 811.6/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.324+/-0.003  $\chi^2/\text{NDF}$ : 2621.6/13

# dit\_sam7\_4aY\_slope vs Slug, Sign Corrected



Right In: 7.162 $\pm$ 0.013  $\chi^2$ /NDF: 11825.5/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.339 $\pm$ 0.011  $\chi^2$ /NDF: 7438.7/7

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: 7.829 $\pm$ 0.009  $\chi^2$ /NDF: 23872.1/13

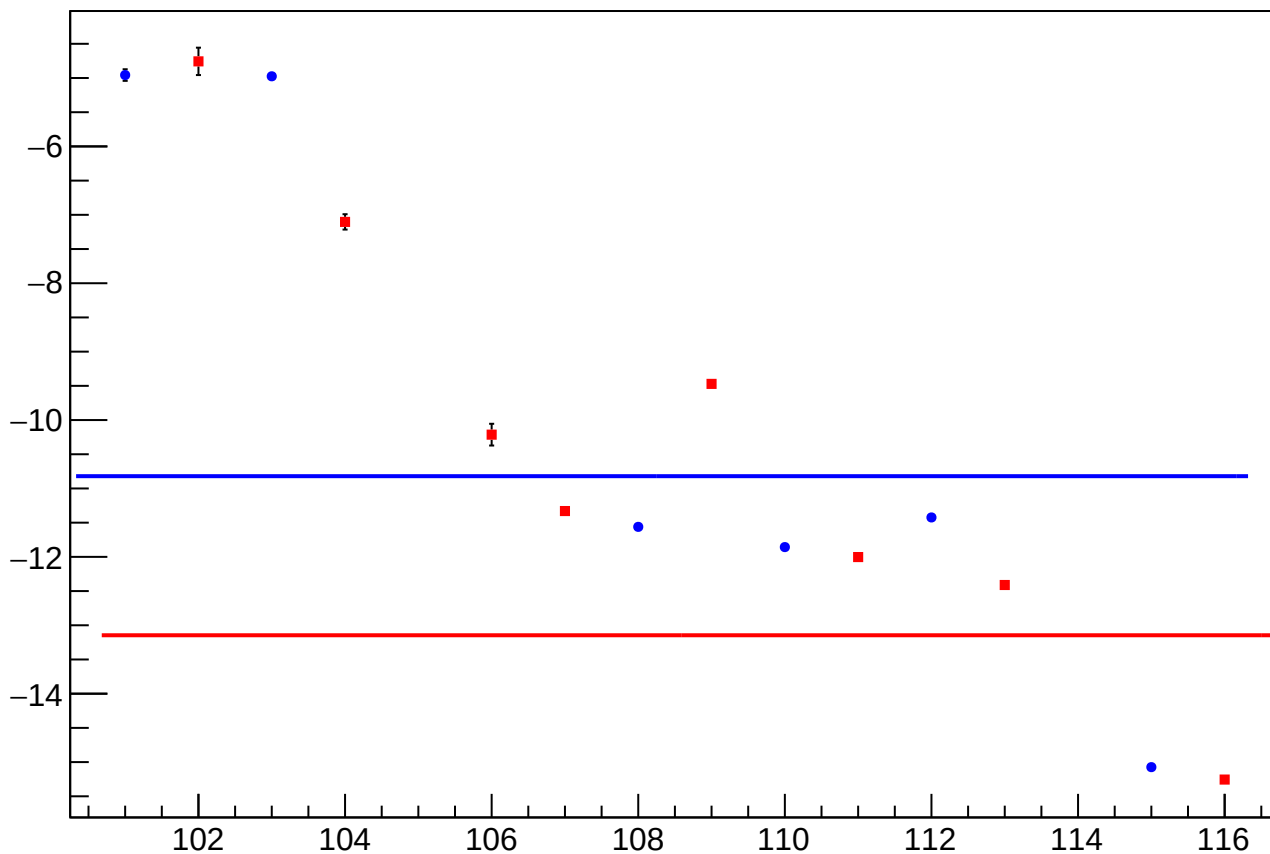
In: 7.162 $\pm$ 0.013  $\chi^2$ /NDF:11825.5/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 7.829 $\pm$ 0.009  $\chi^2$ /NDF: 23872.1/13



# dit\_sam7\_4eY\_slope vs Slug, Sign Corrected



Right In: -10.820 $\pm$ 0.016  $\chi^2$ /NDF: 38858.1/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -13.146 $\pm$ 0.012  $\chi^2$ /NDF: 29222.4/7

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

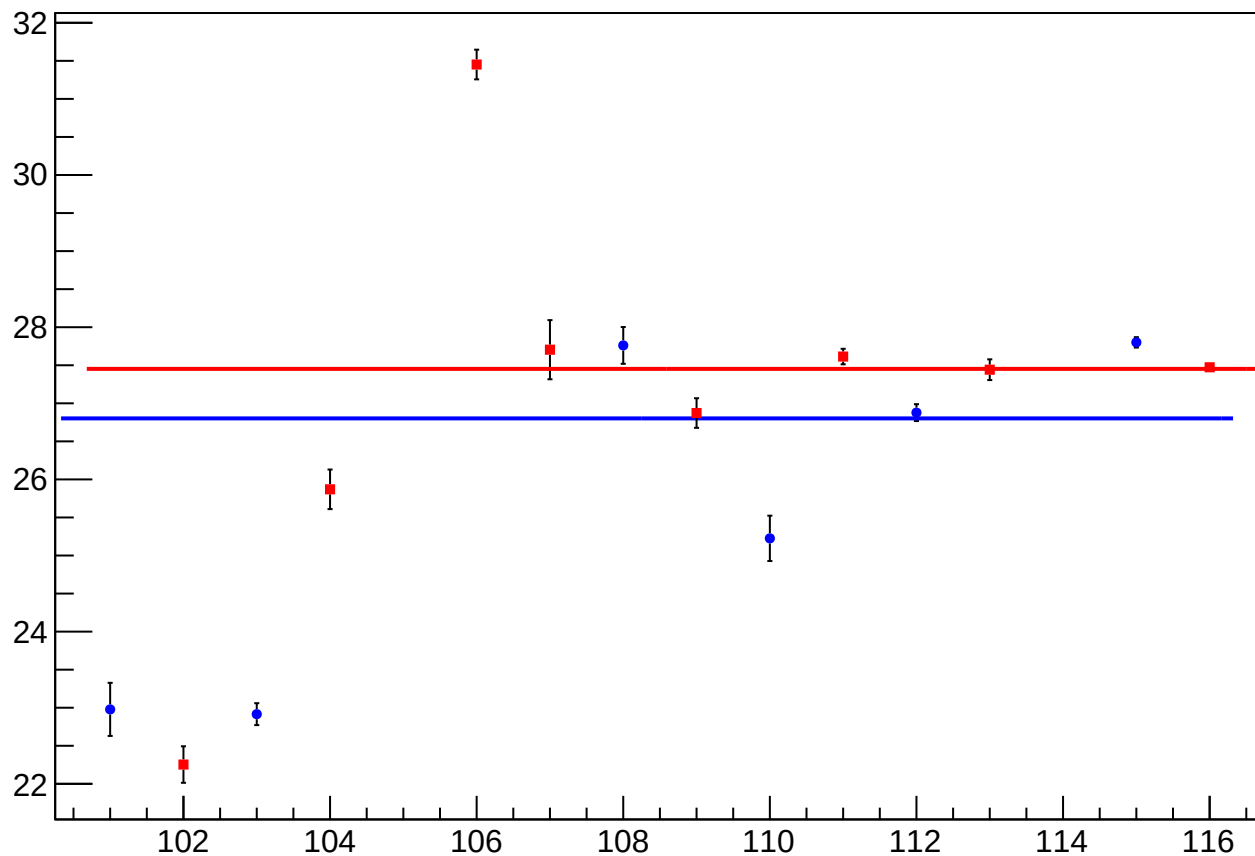
Right: -12.304 $\pm$ 0.010  $\chi^2$ /NDF: 81352.1/13

In: -10.820 $\pm$ 0.016  $\chi^2$ /NDF:38858.1/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -12.304 $\pm$ 0.010  $\chi^2$ /NDF: 81352.1/13

# dit\_sam8\_4aX\_slope vs Slug, Sign Corrected



Right In: 26.802 $\pm$ 0.051  $\chi^2$ /NDF: 1106.6/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 27.453 $\pm$ 0.041  $\chi^2$ /NDF: 939.5/7

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

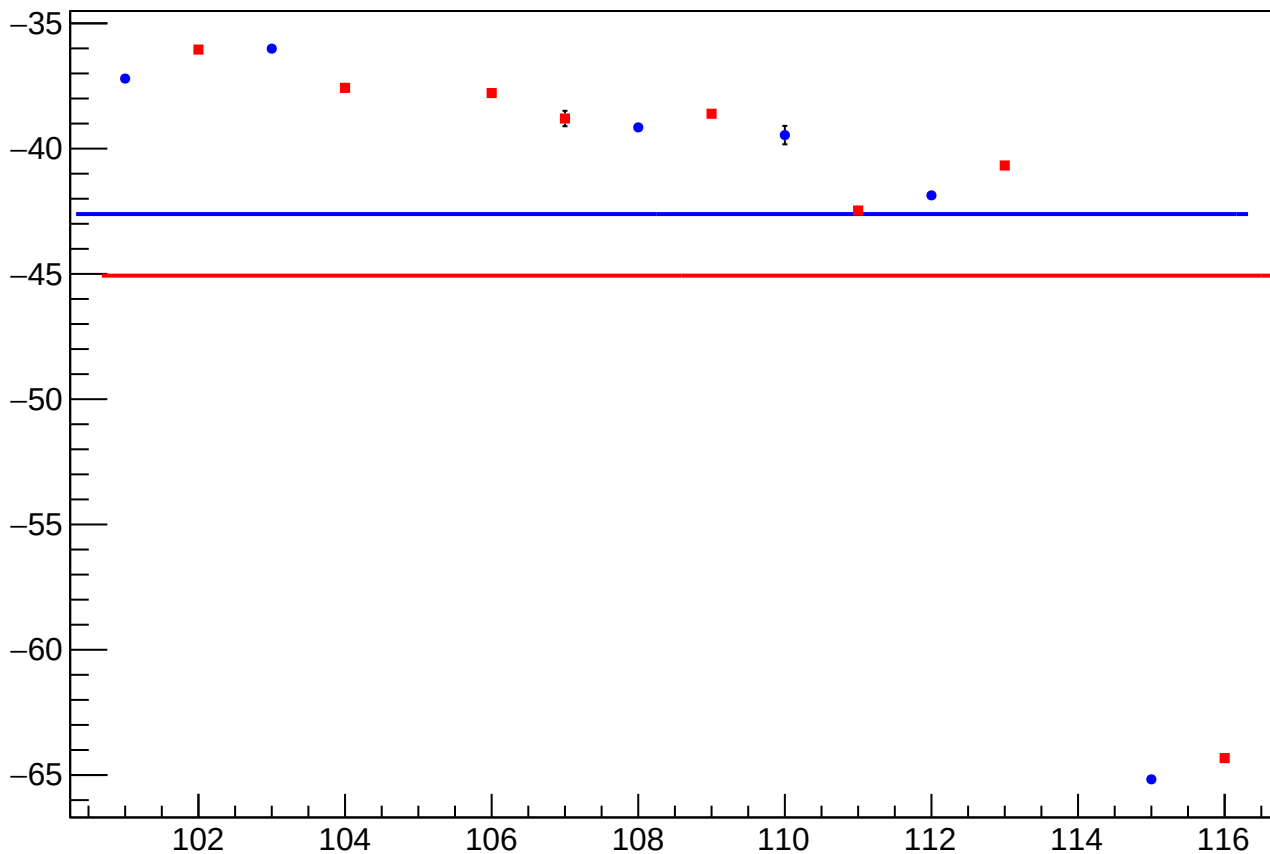
Right: 27.198 $\pm$ 0.032  $\chi^2$ /NDF: 2144.2/13

In: 26.802 $\pm$ 0.051  $\chi^2$ /NDF:1106.6/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 27.198 $\pm$ 0.032  $\chi^2$ /NDF: 2144.2/13

# dit\_sam8\_4eX\_slope vs Slug, Sign Corrected



Right In: -42.612 $\pm$ 0.026  $\chi^2$ /NDF: 190600.7/5

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -45.069 $\pm$ 0.027  $\chi^2$ /NDF: 214286.8/7

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

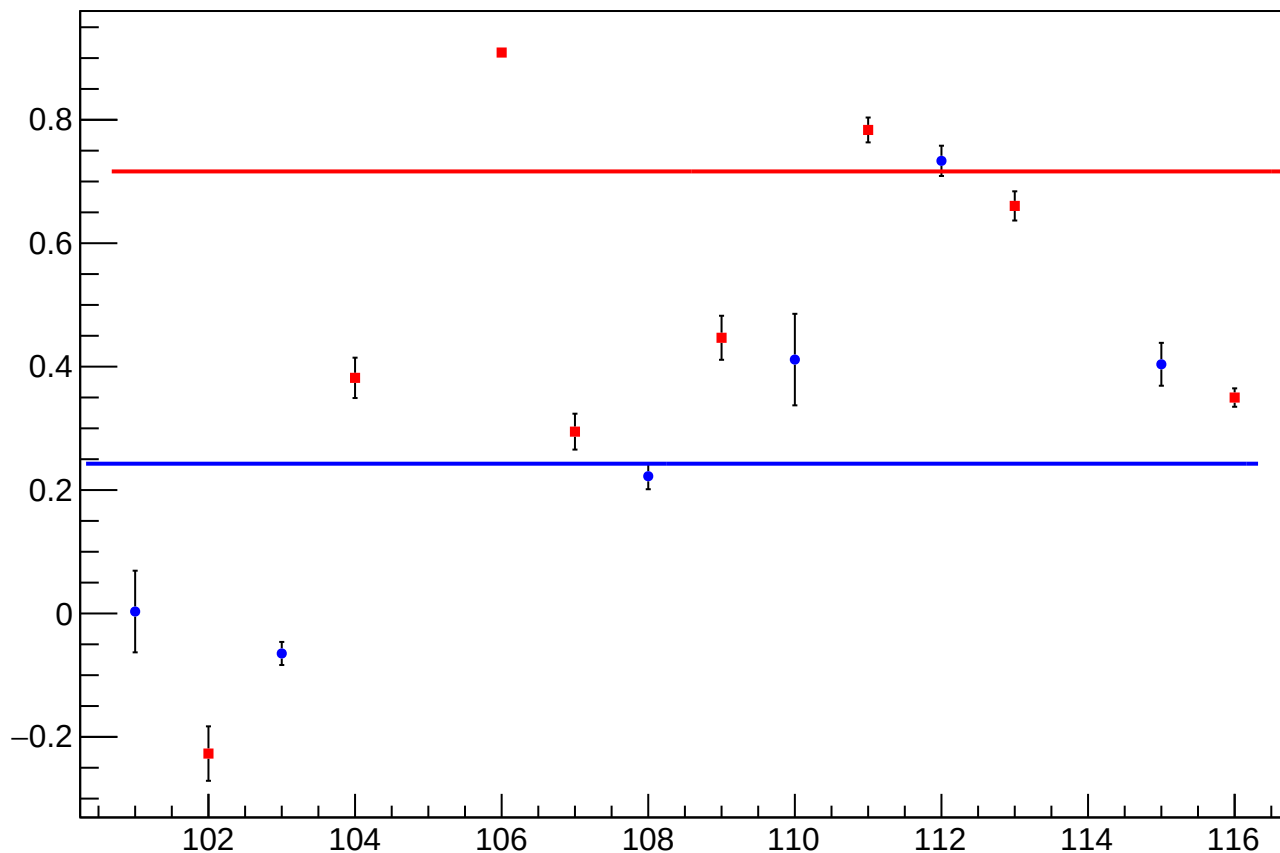
Right: -43.801 $\pm$ 0.019  $\chi^2$ /NDF: 409113.6/13

In: -42.612 $\pm$ 0.026  $\chi^2$ /NDF: 190600.7/5

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -43.801 $\pm$ 0.019  $\chi^2$ /NDF: 409113.6/13

# dit\_sam8\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.243+/-0.011  $\chi^2/\text{NDF}$ : 711.3/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.716+/-0.006  $\chi^2/\text{NDF}$ : 2043.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

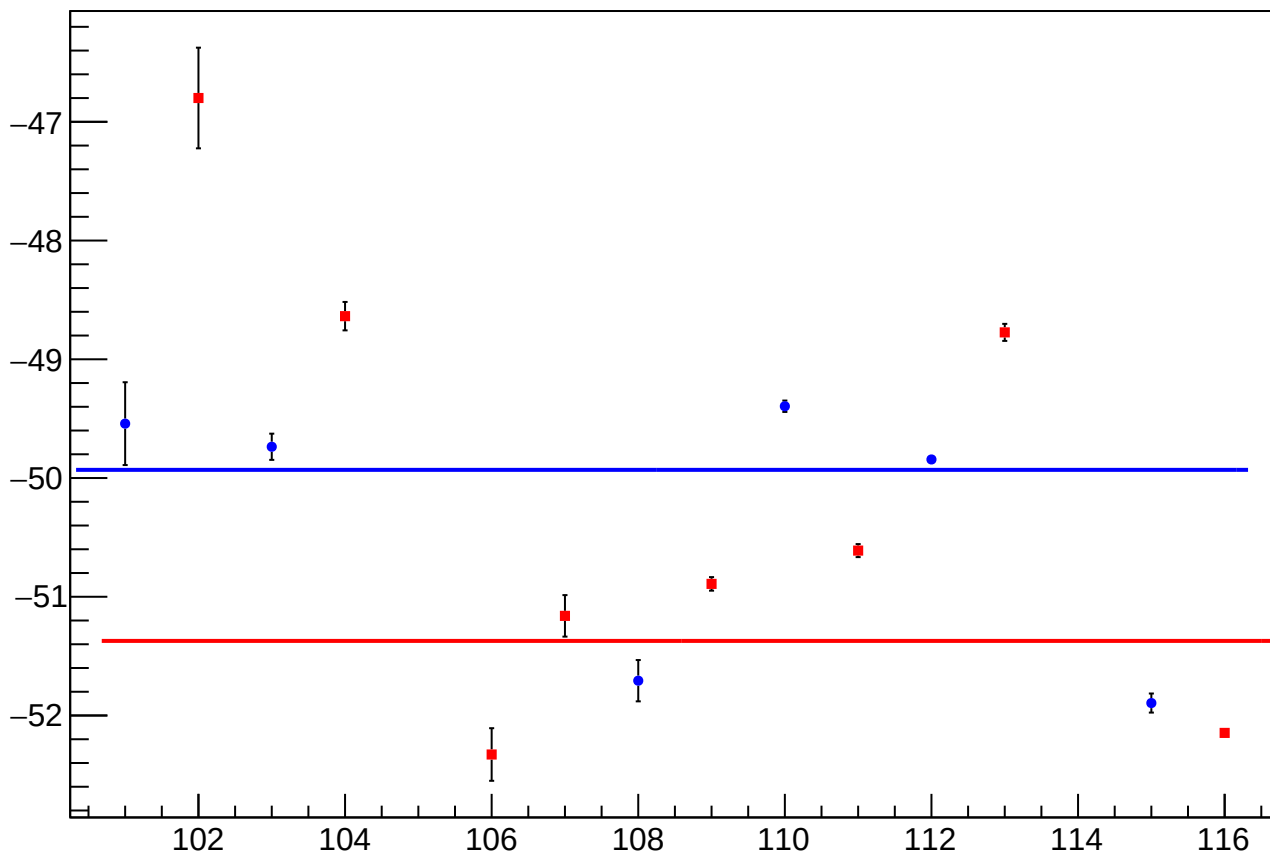
Right: 0.612+/-0.005  $\chi^2/\text{NDF}$ : 4152.7/13

In: 0.243+/-0.011  $\chi^2/\text{NDF}$ : 711.3/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.612+/-0.005  $\chi^2/\text{NDF}$ : 4152.7/13

# dit\_sam8\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-49.931 \pm 0.022$   $\chi^2/\text{NDF}$ : 840.6/5

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-51.372 \pm 0.020$   $\chi^2/\text{NDF}$ : 3094.1/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

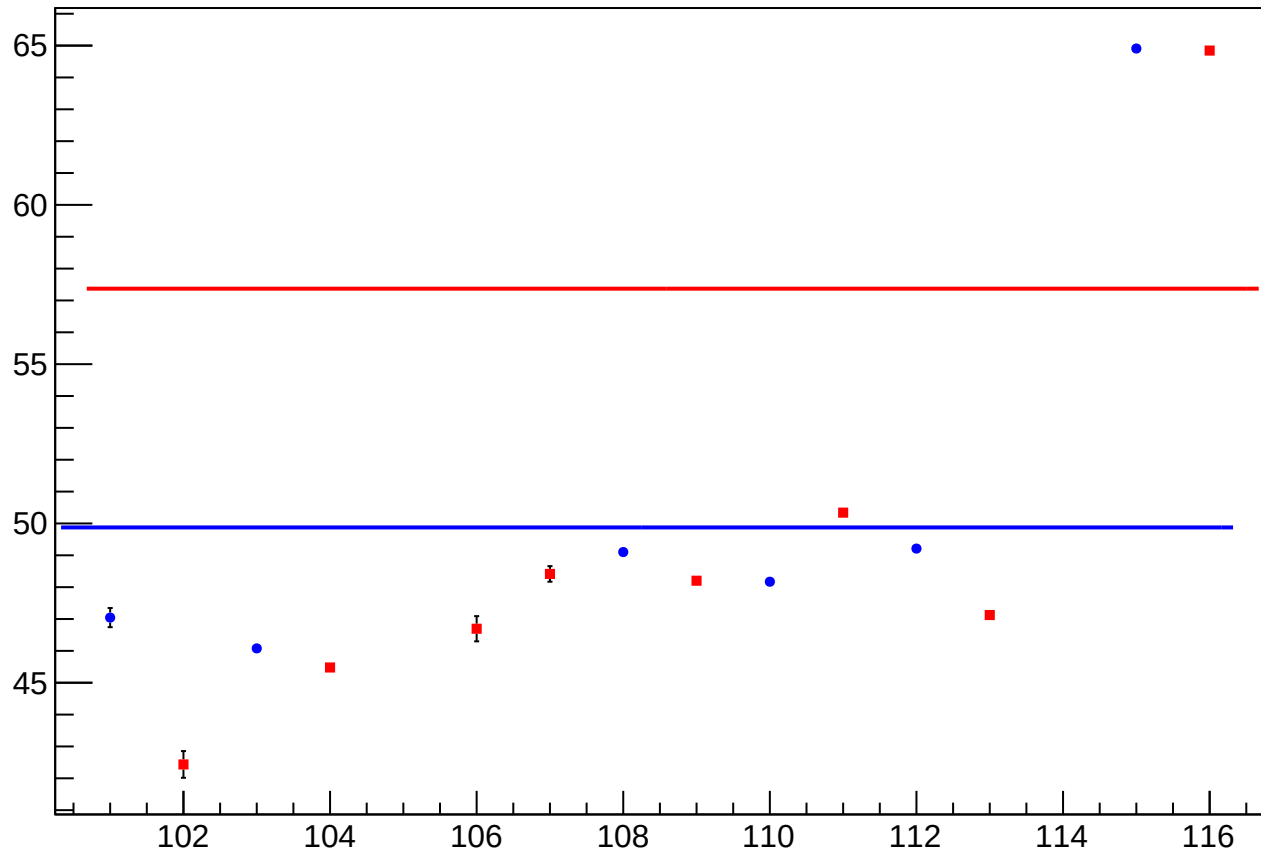
Right:  $-50.720 \pm 0.015$   $\chi^2/\text{NDF}$ : 6182.3/13

In:  $-49.931 \pm 0.022$   $\chi^2/\text{NDF}$ : 840.6/5

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-50.720 \pm 0.015$   $\chi^2/\text{NDF}$ : 6182.3/13

# dit\_sam8\_4eY\_slope vs Slug, Sign Corrected



Right In: 49.875+/-0.038  $\chi^2/\text{NDF}$ : 17901.4/5

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 57.370+/-0.024  $\chi^2/\text{NDF}$ : 131746.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 55.308+/-0.020  $\chi^2/\text{NDF}$ : 177266.3/13

In: 49.875+/-0.038  $\chi^2/\text{NDF}$ : 17901.4/5

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 55.308+/-0.020  $\chi^2/\text{NDF}$ : 177266.3/13

# 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

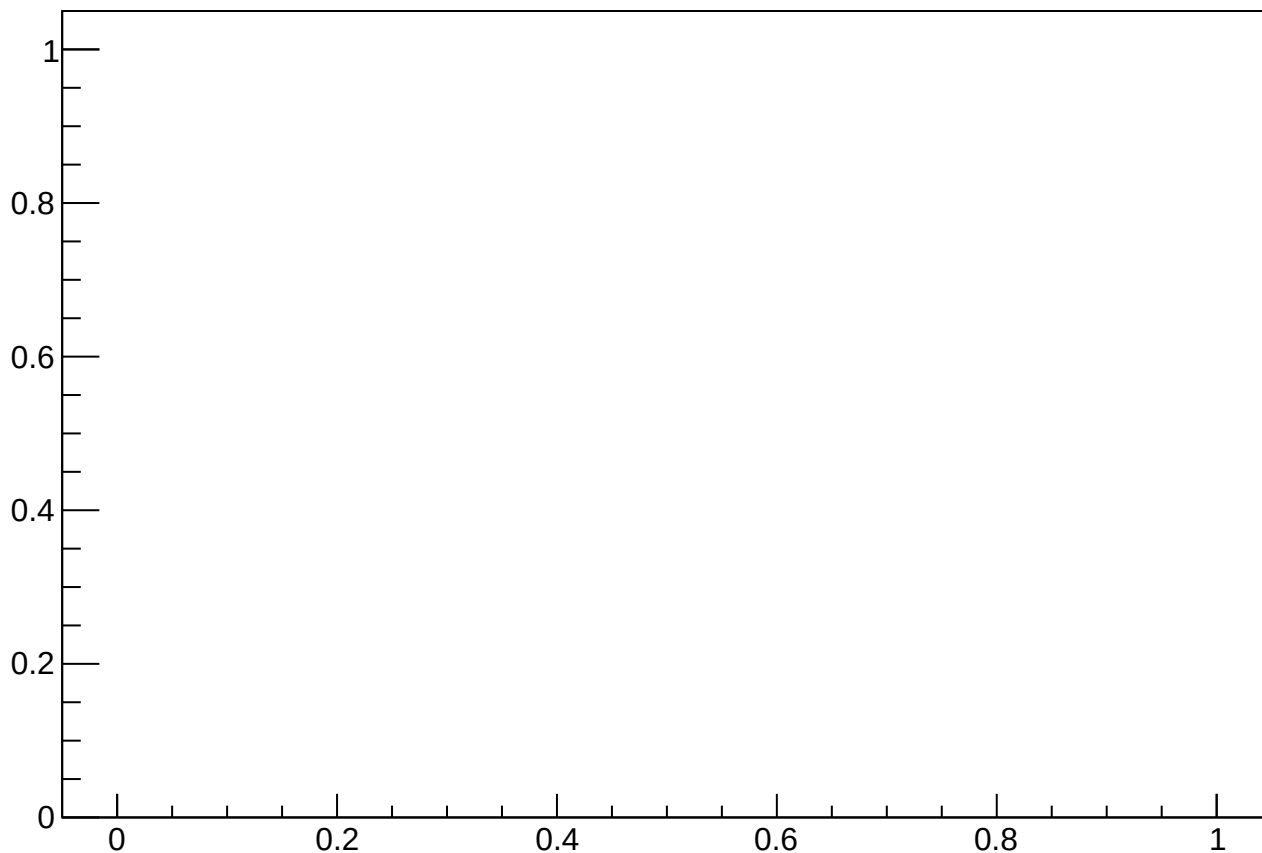
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

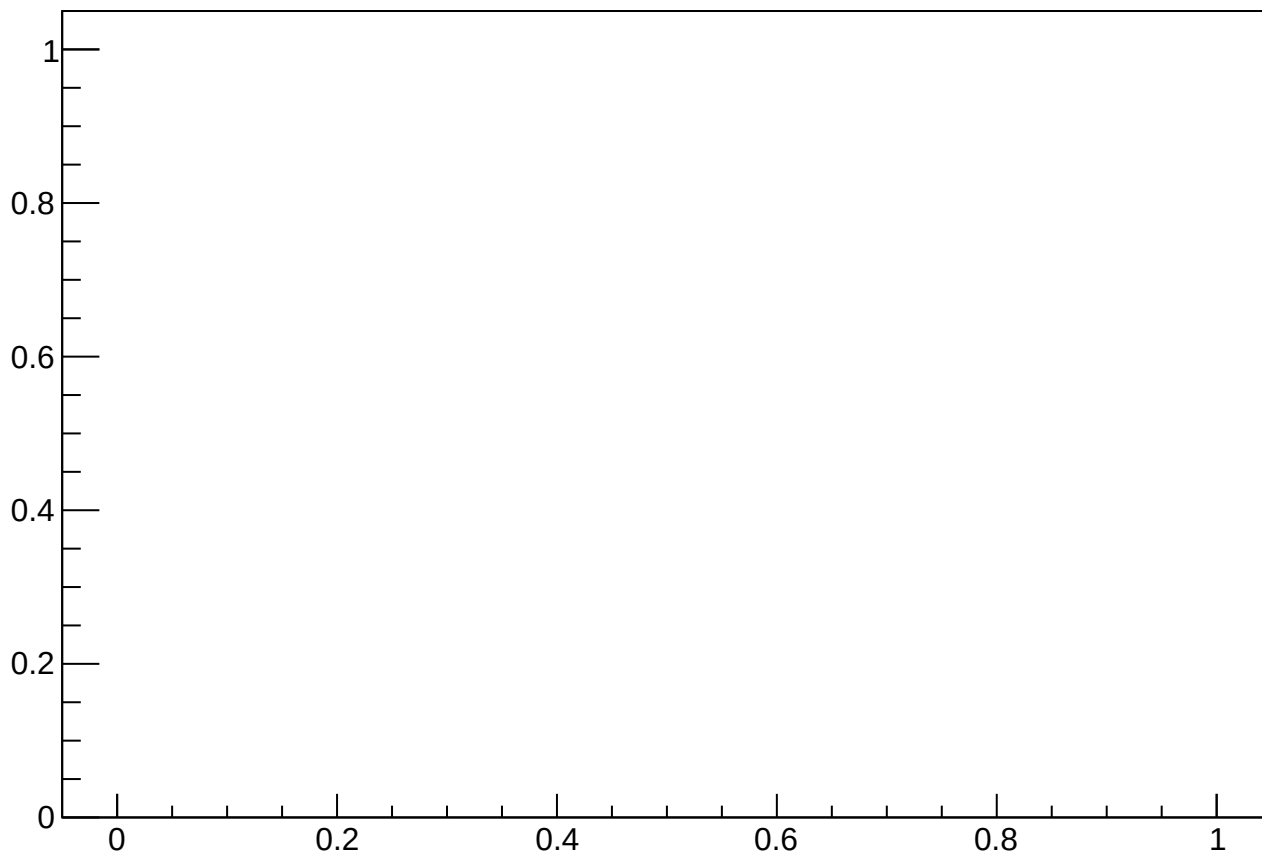
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_4aY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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

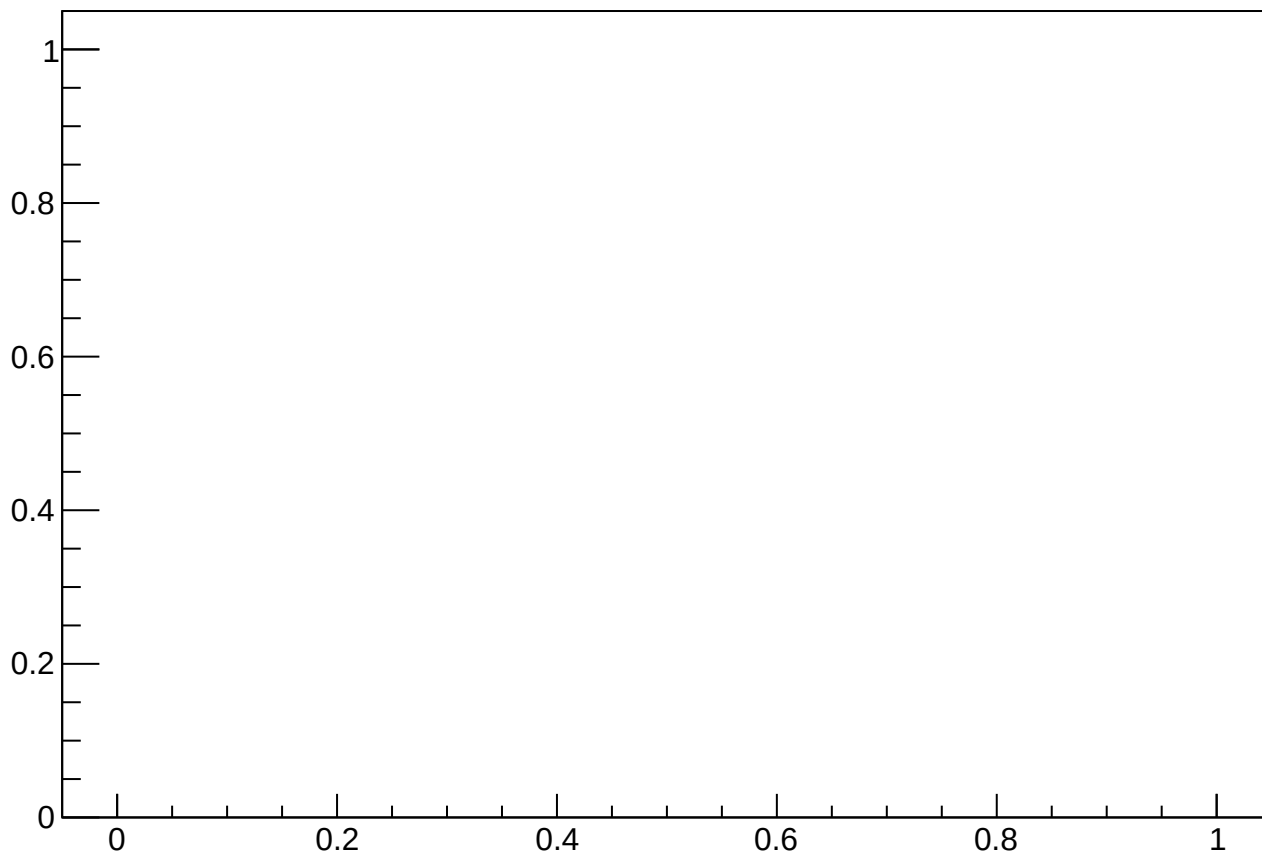
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

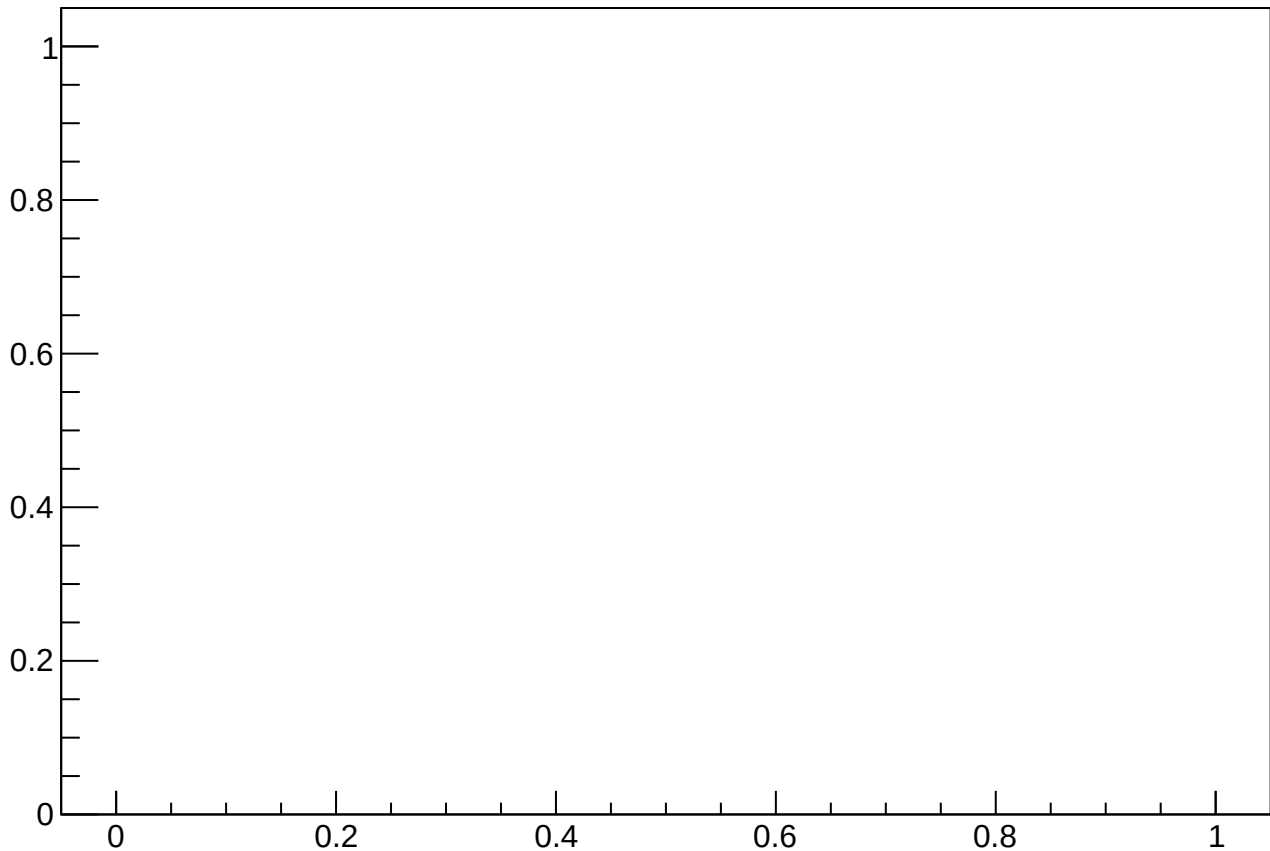
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

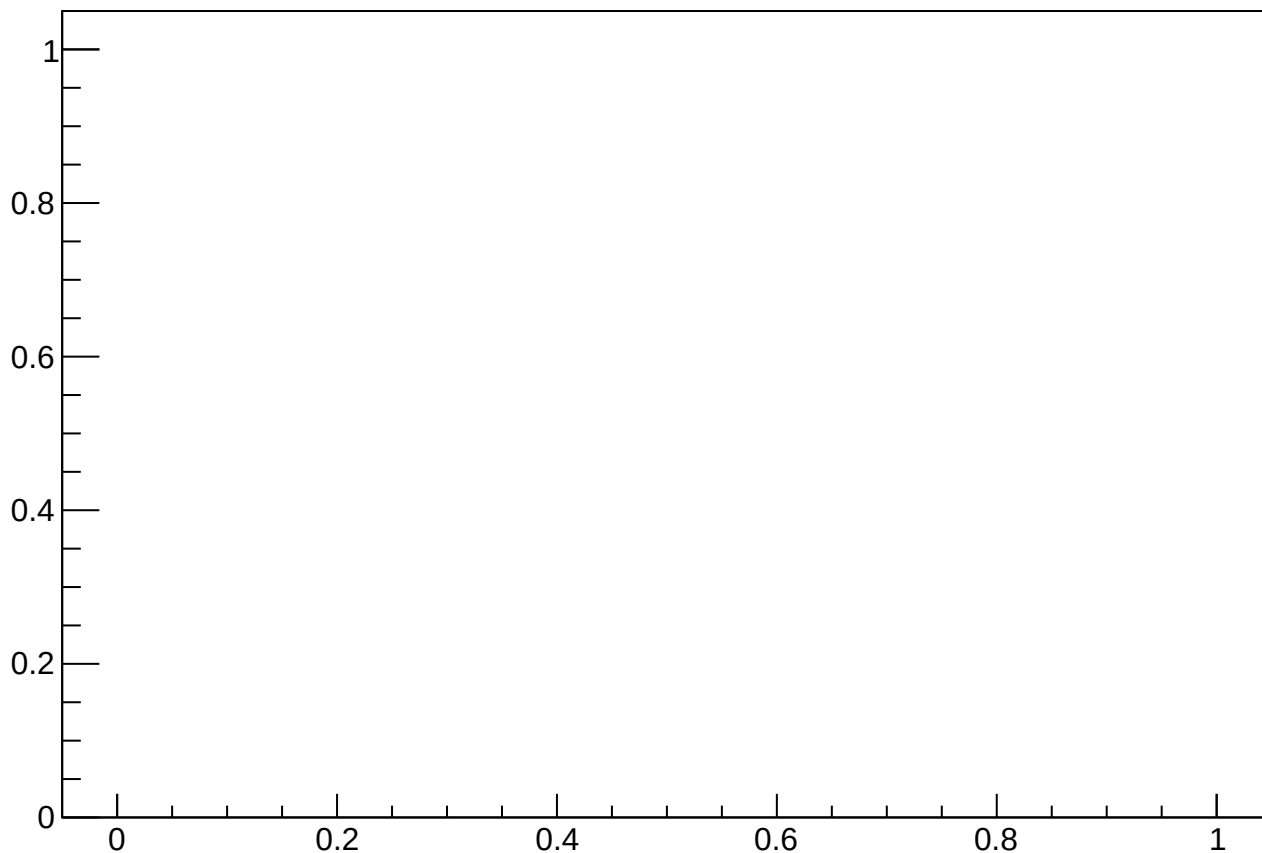
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

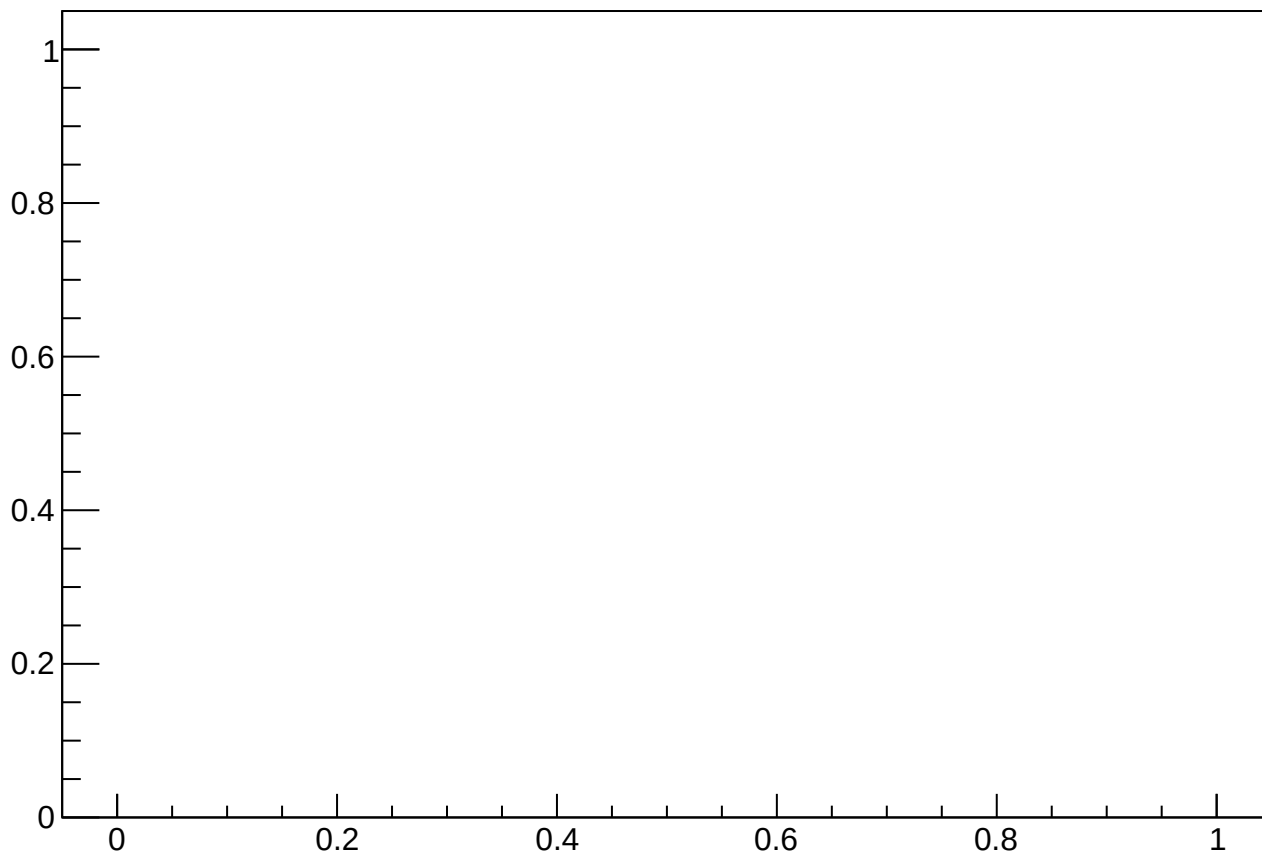
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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

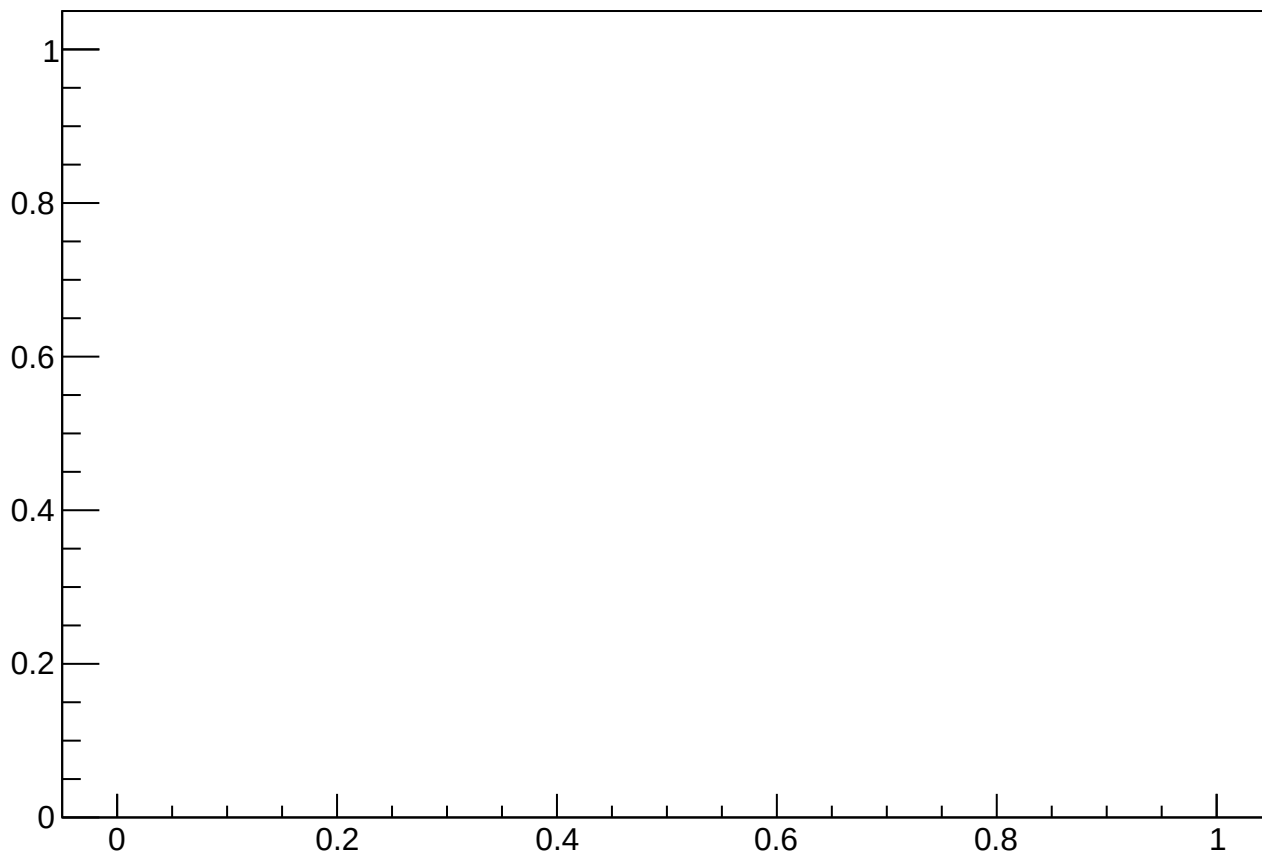
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

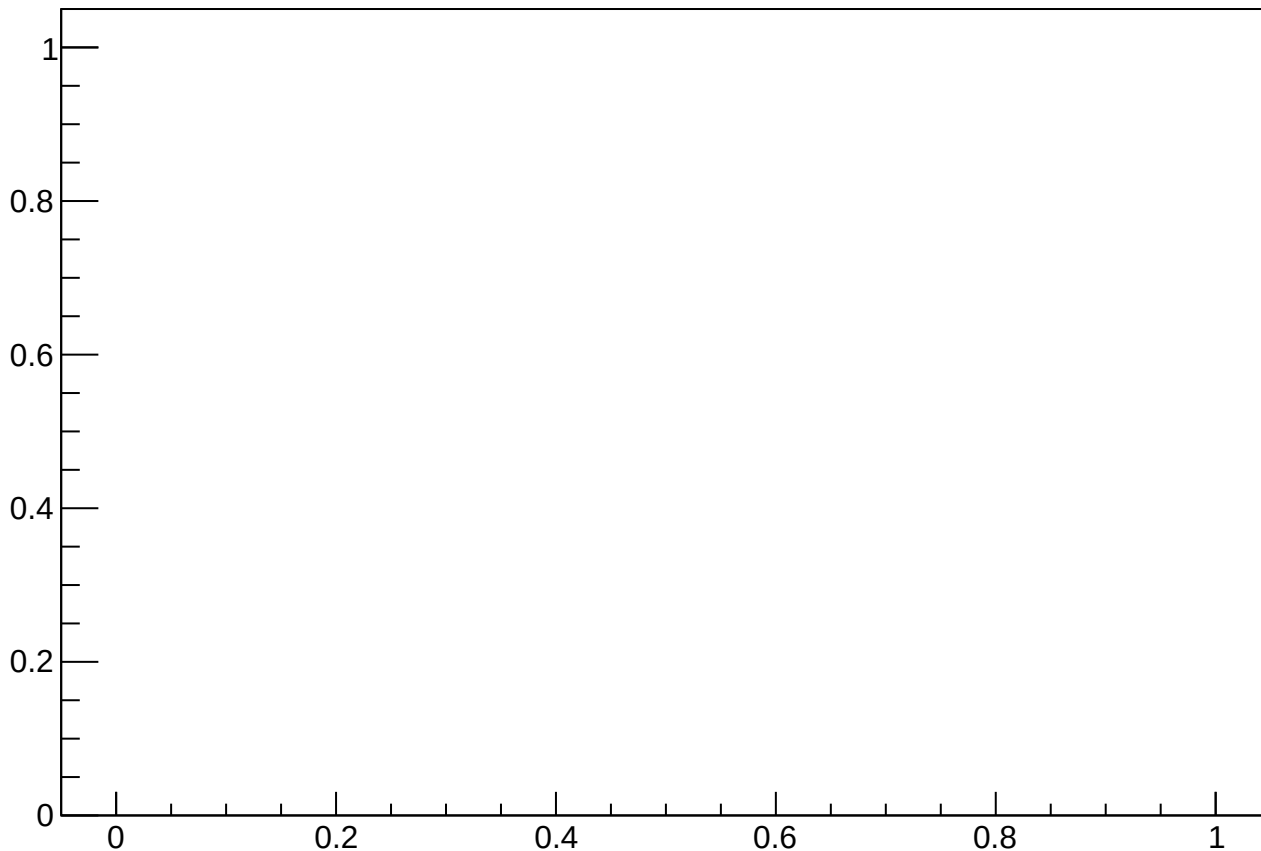
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

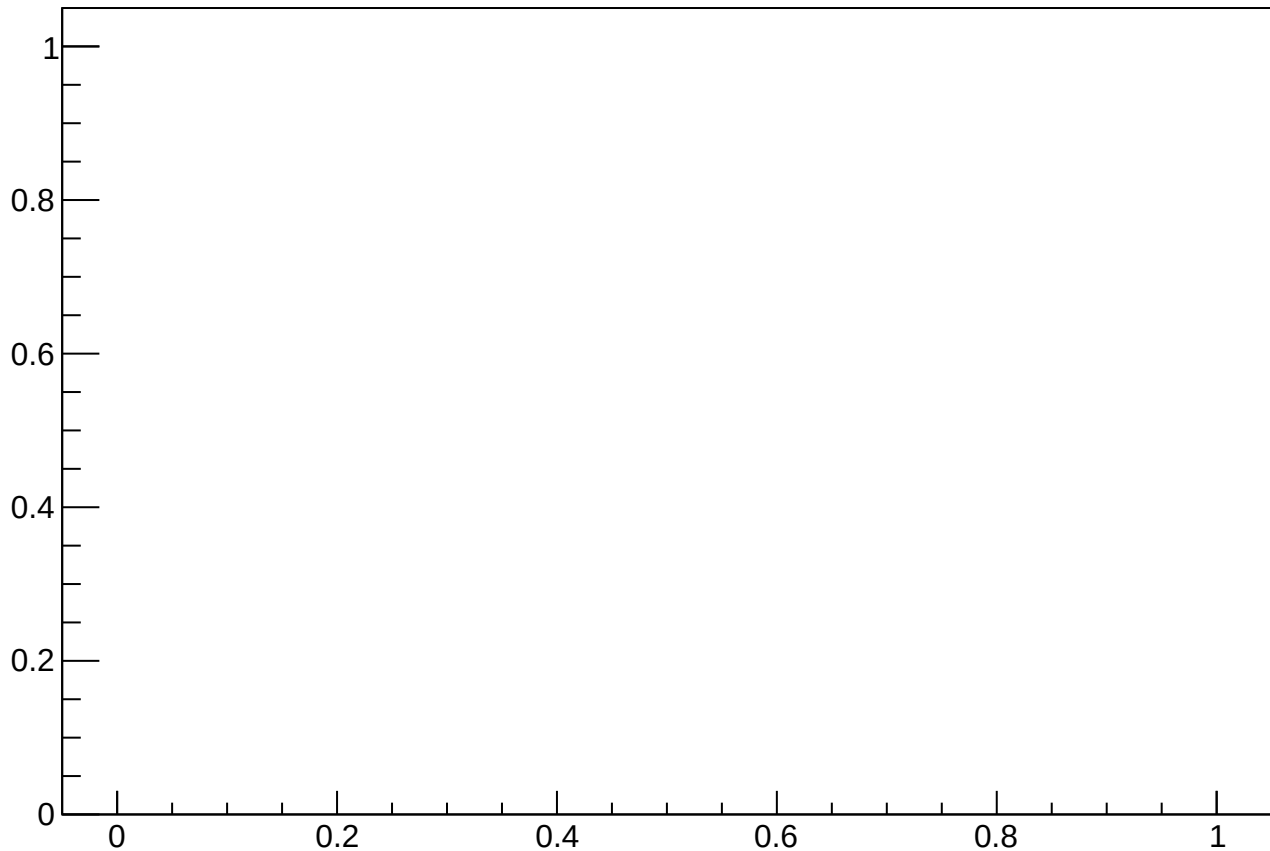
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0



# dit\_sam4\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_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

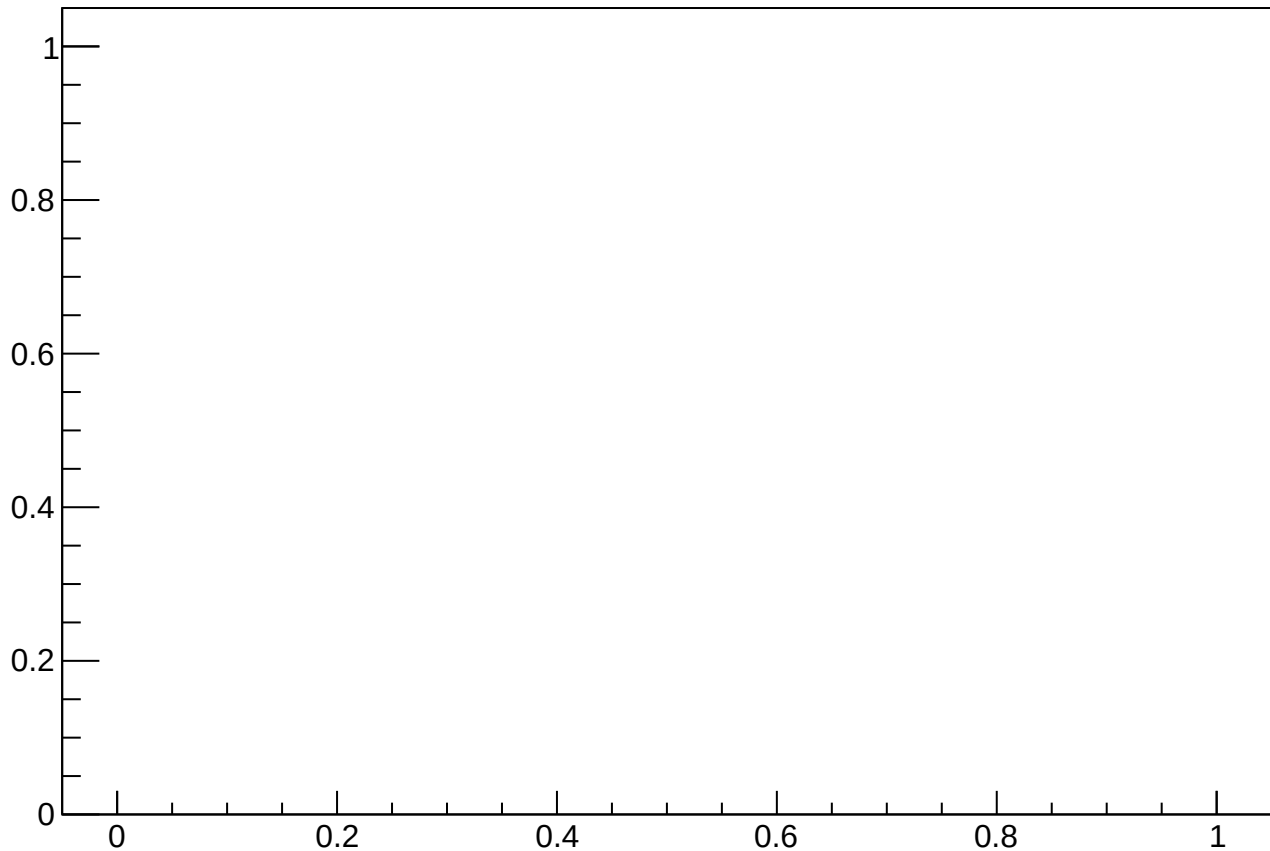
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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

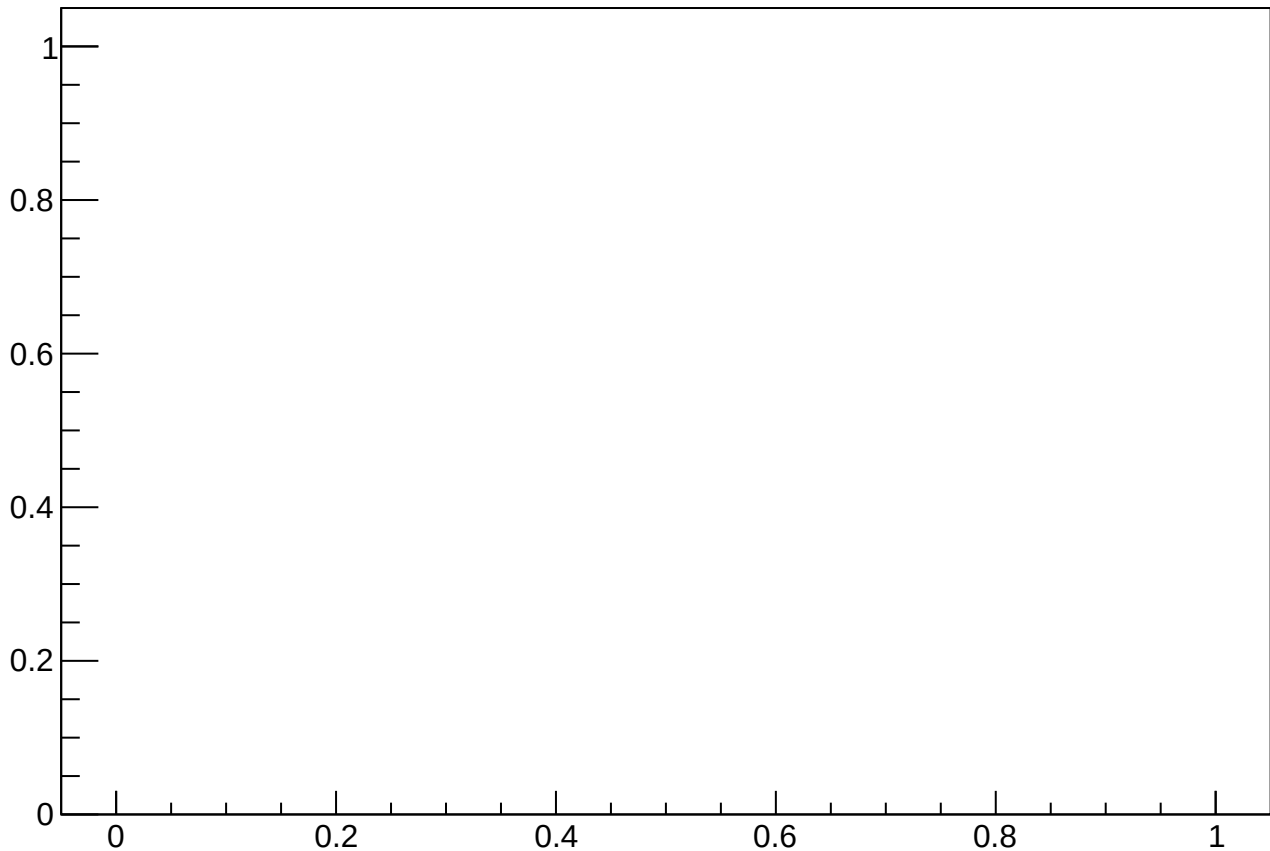
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

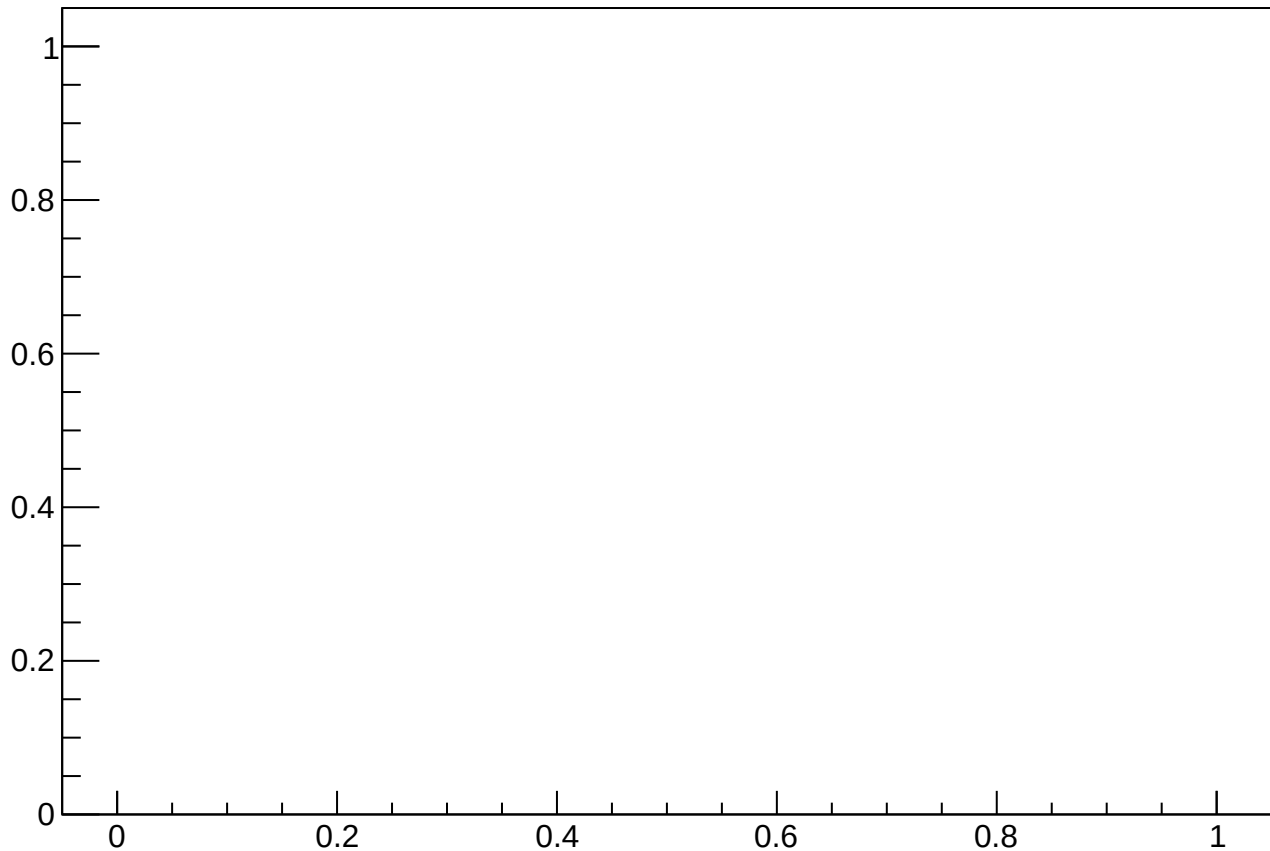
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

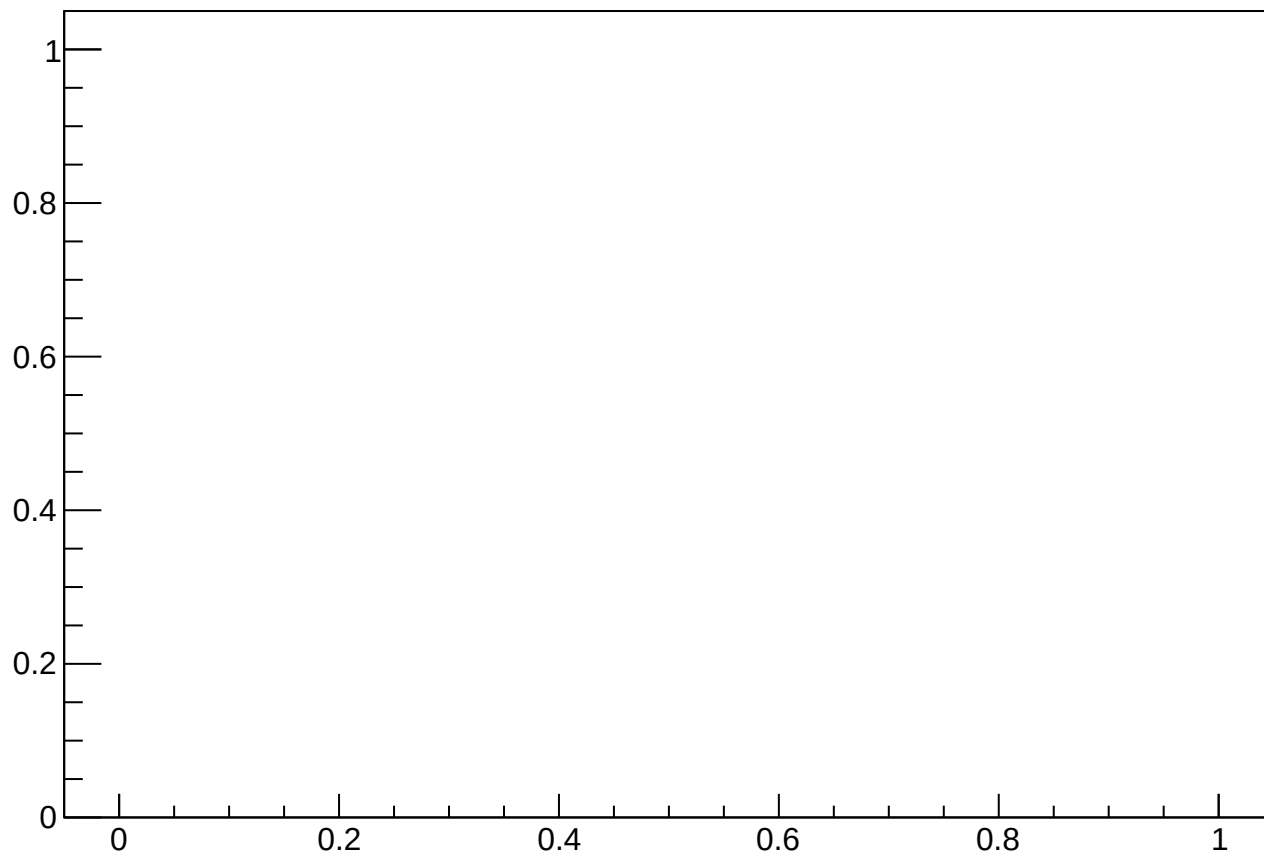
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

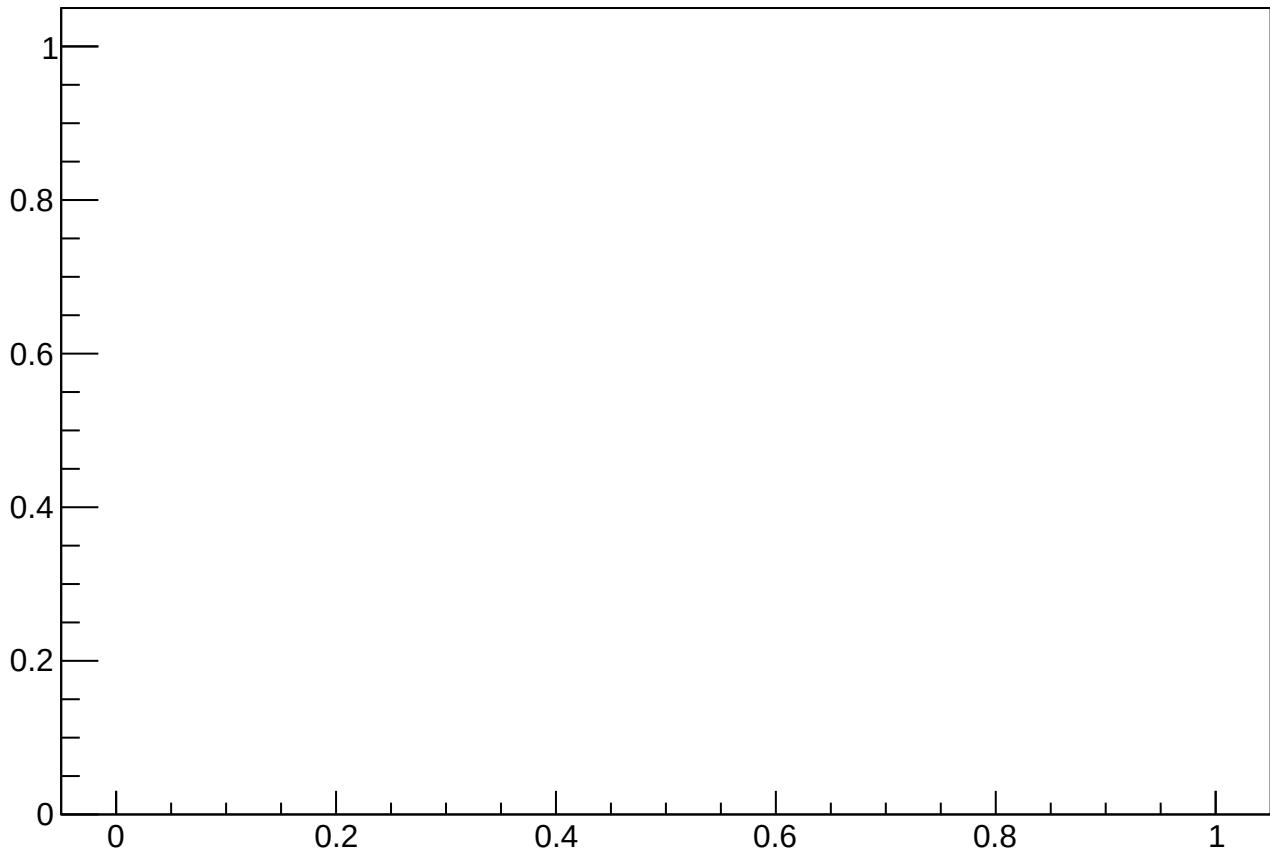
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

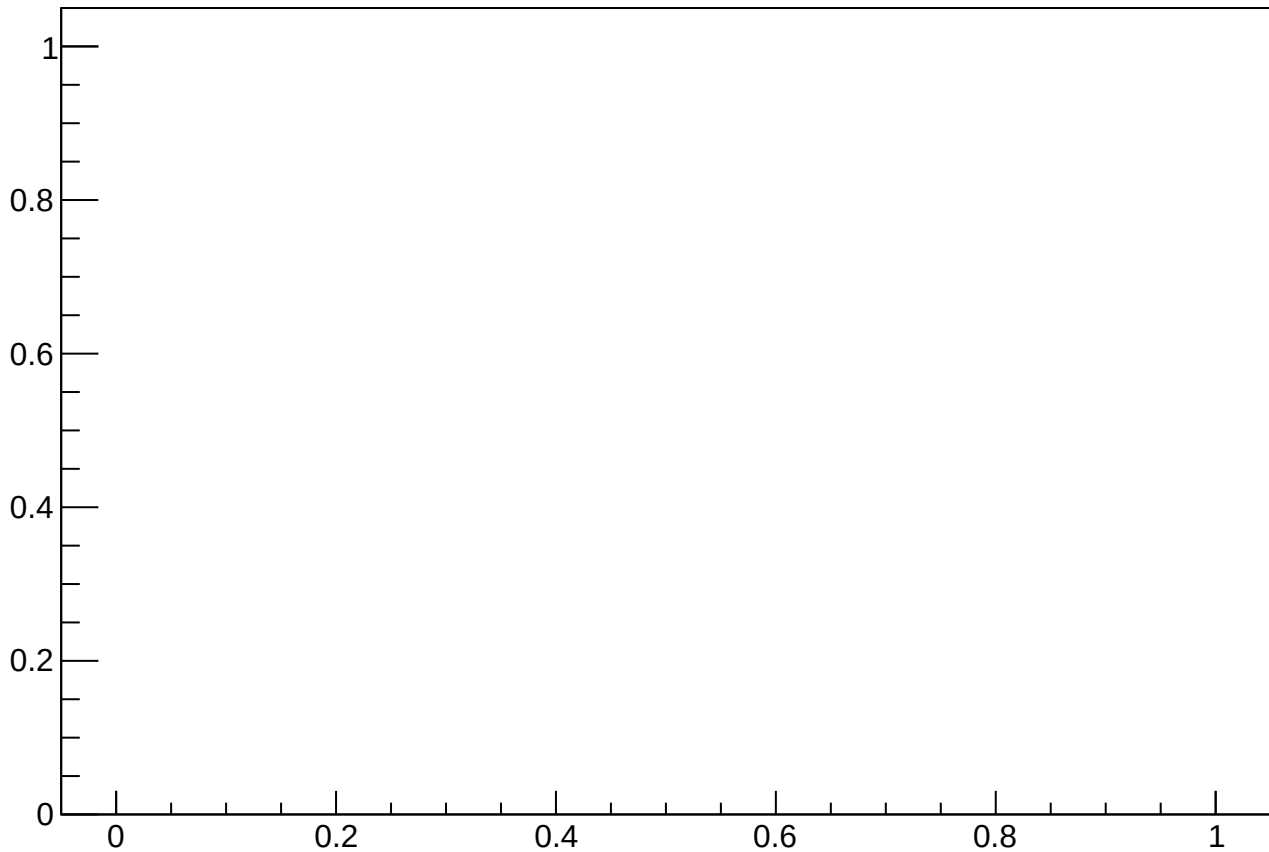
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

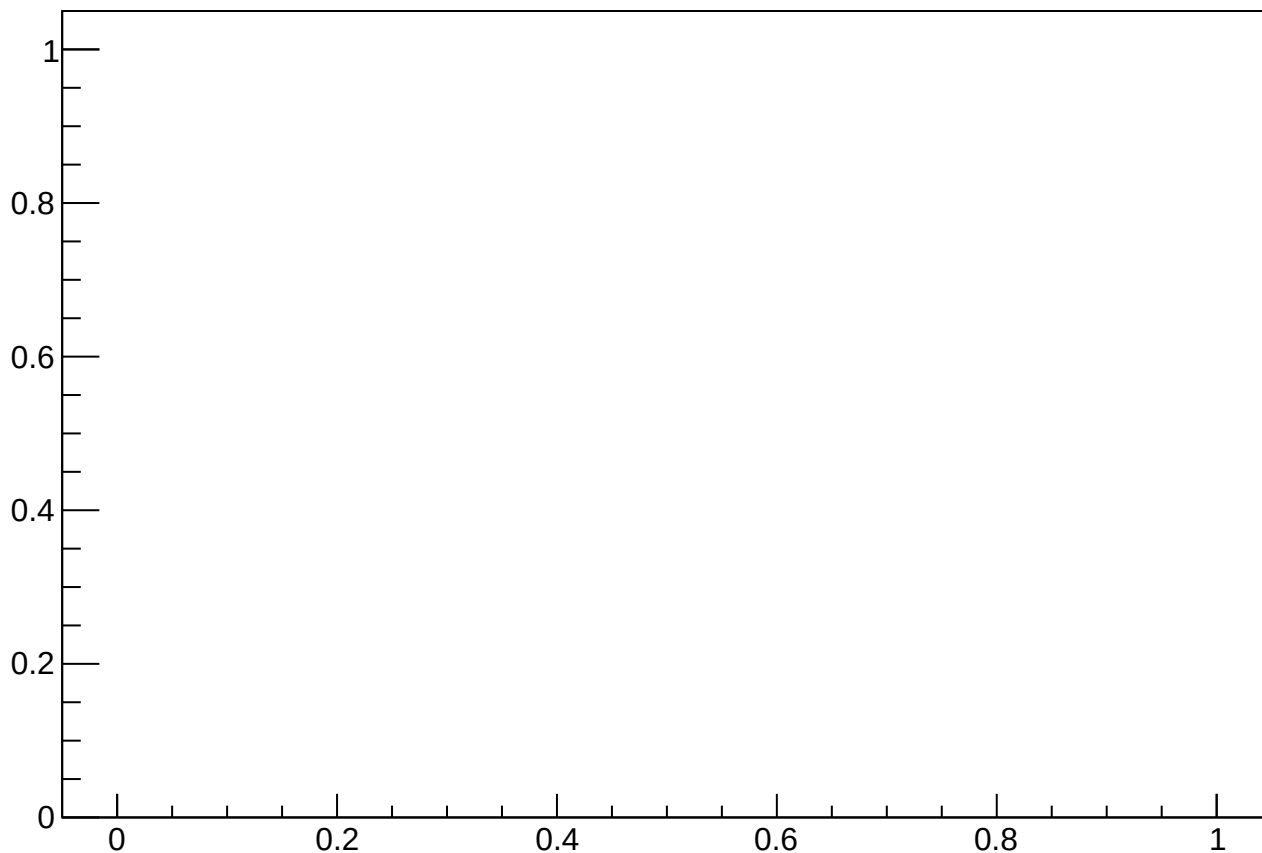
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

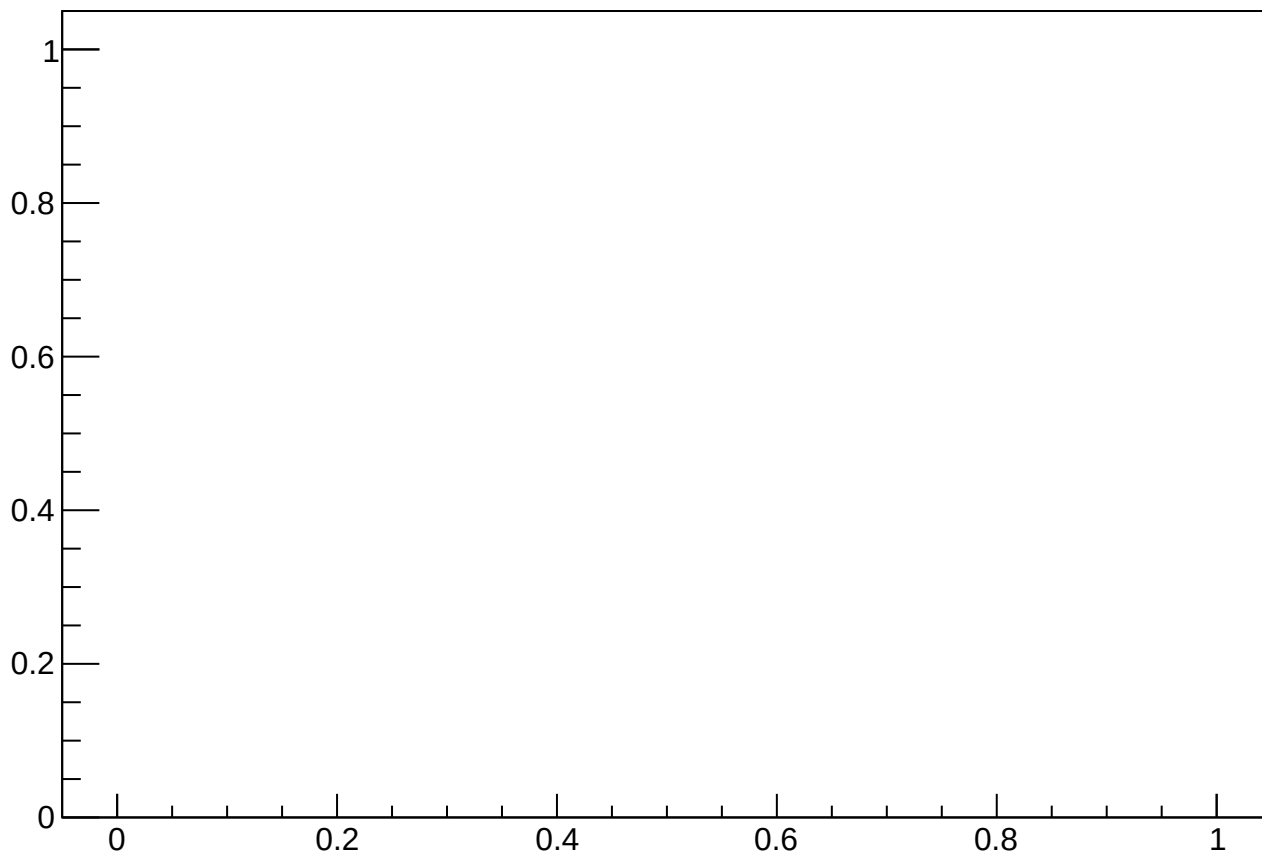
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_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

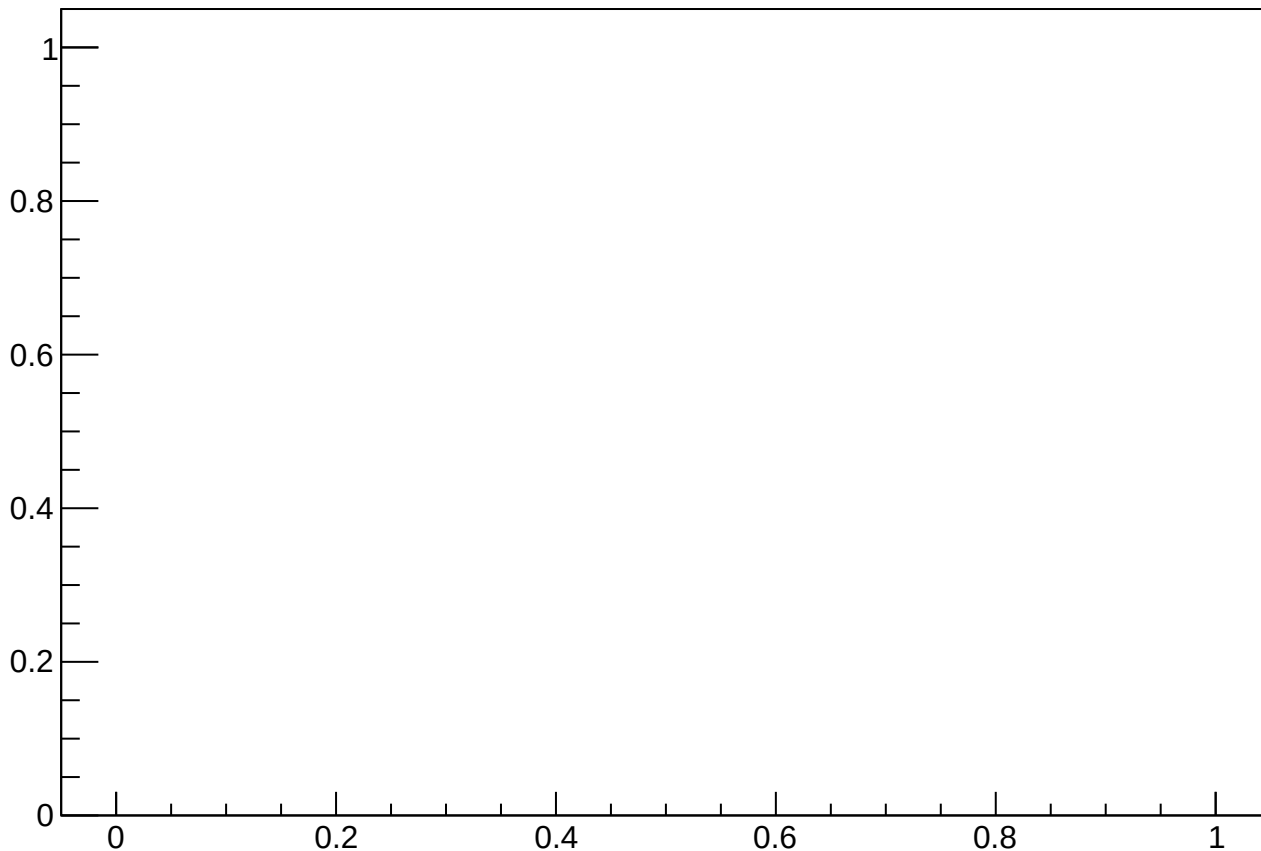
Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

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\_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\_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

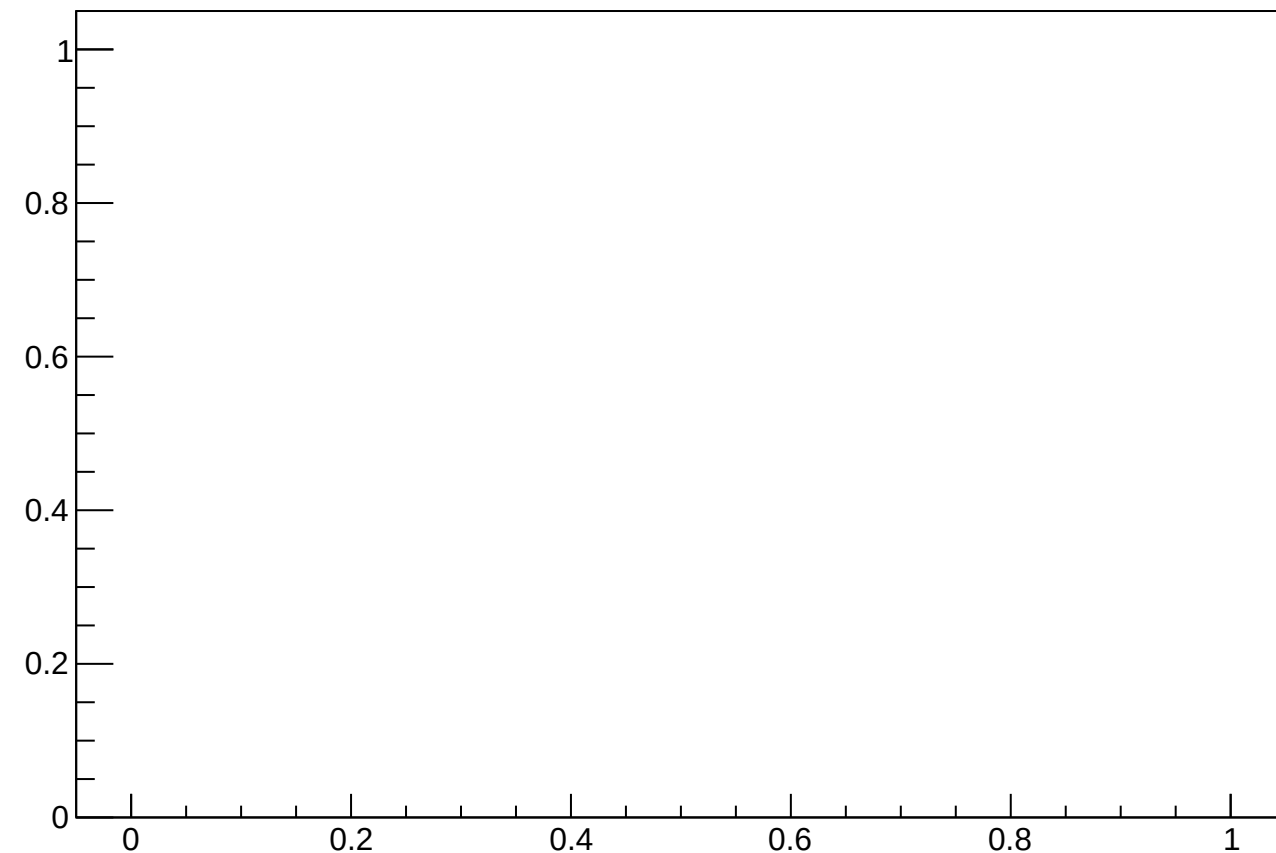
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

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\_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

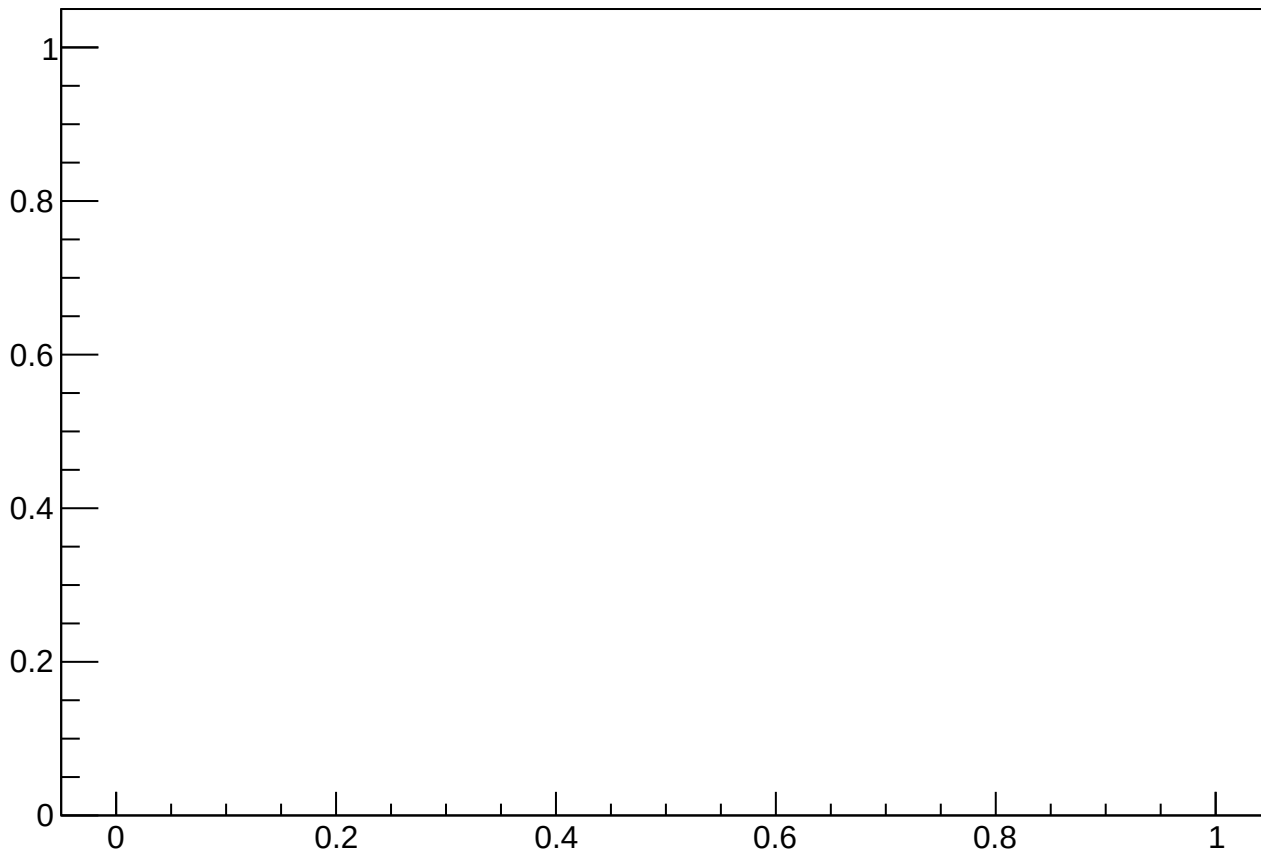
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

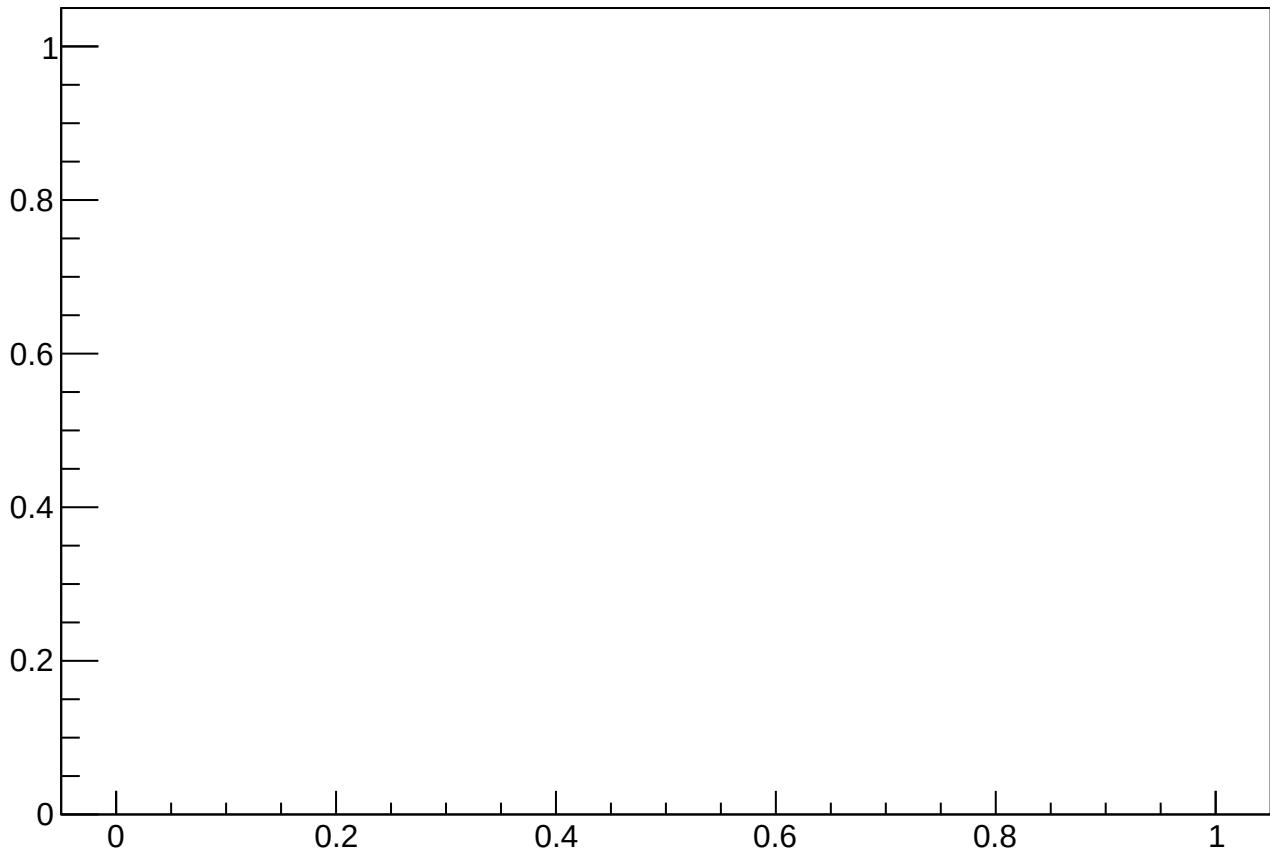
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

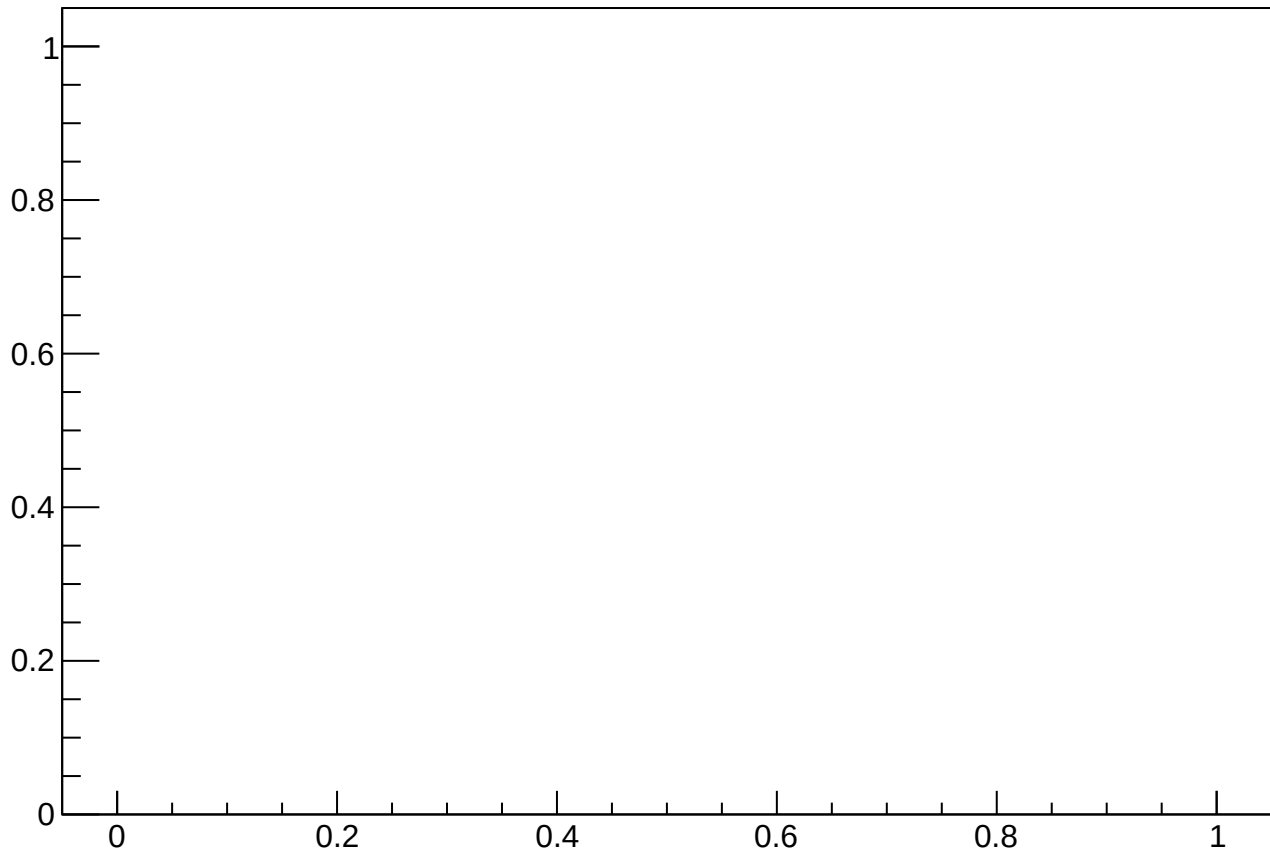
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

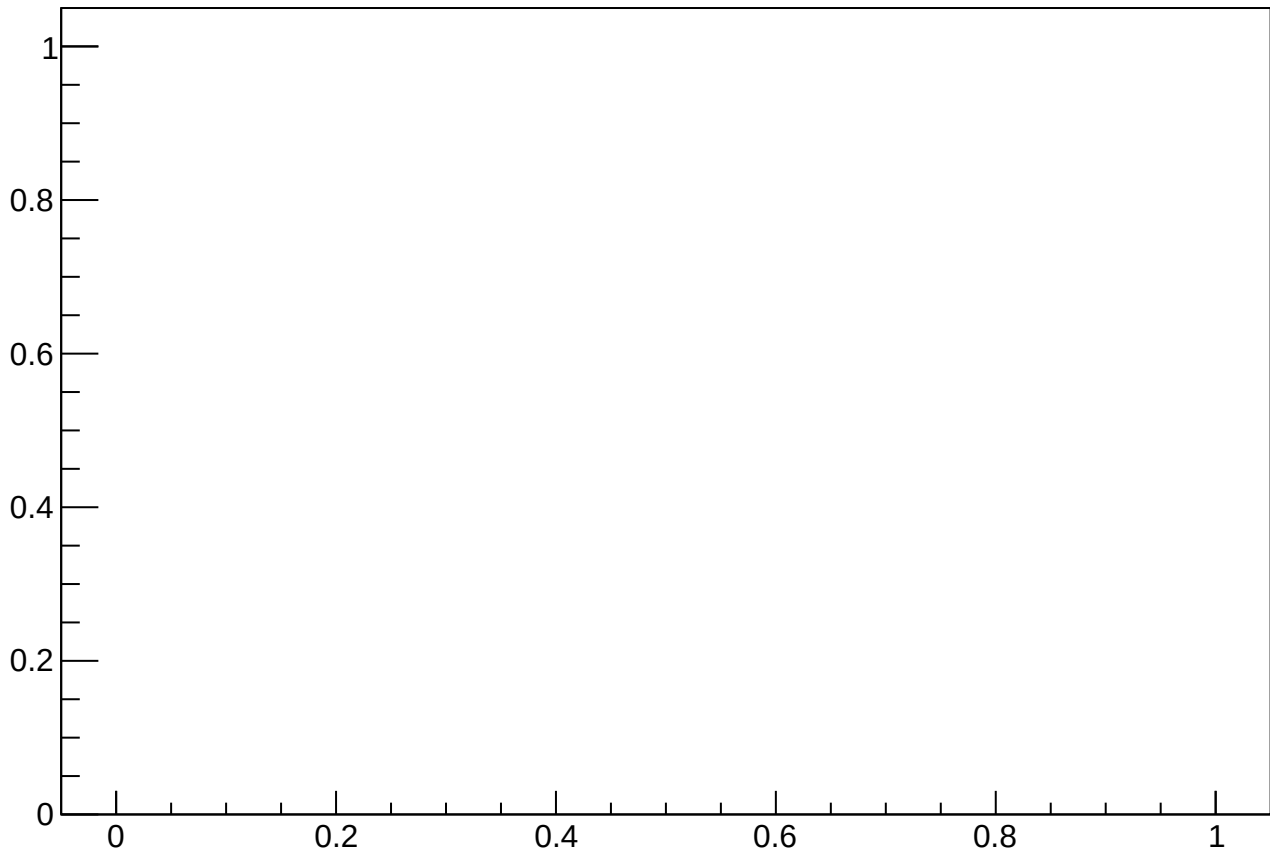
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

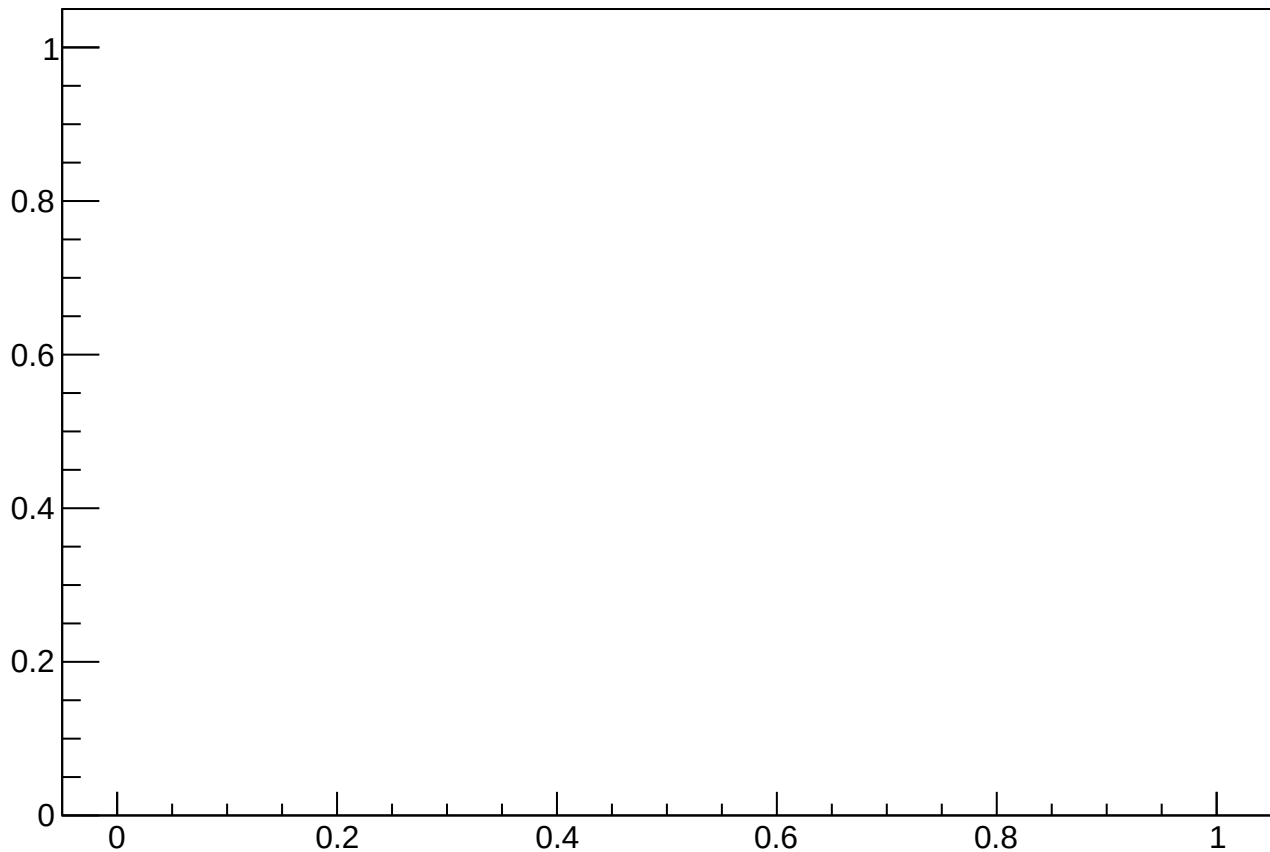
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_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

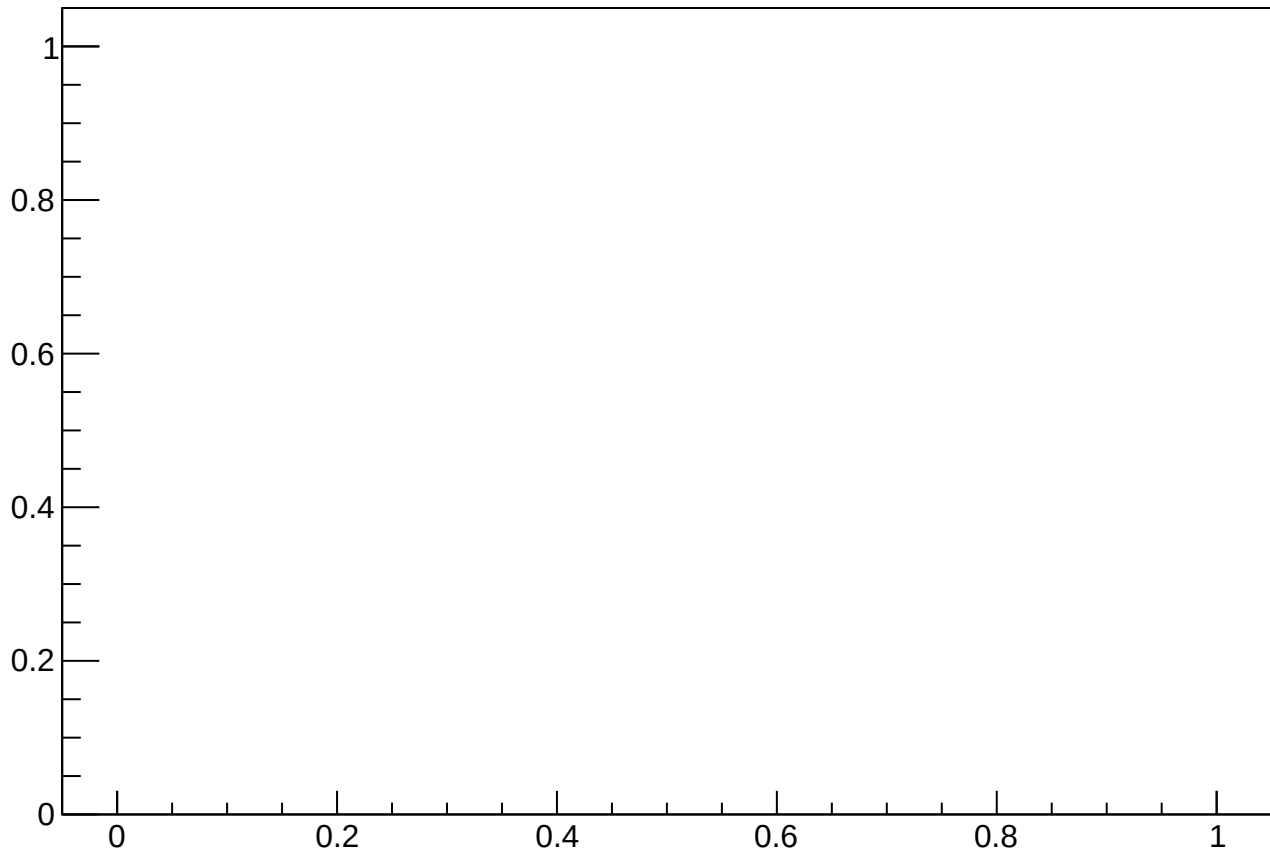
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

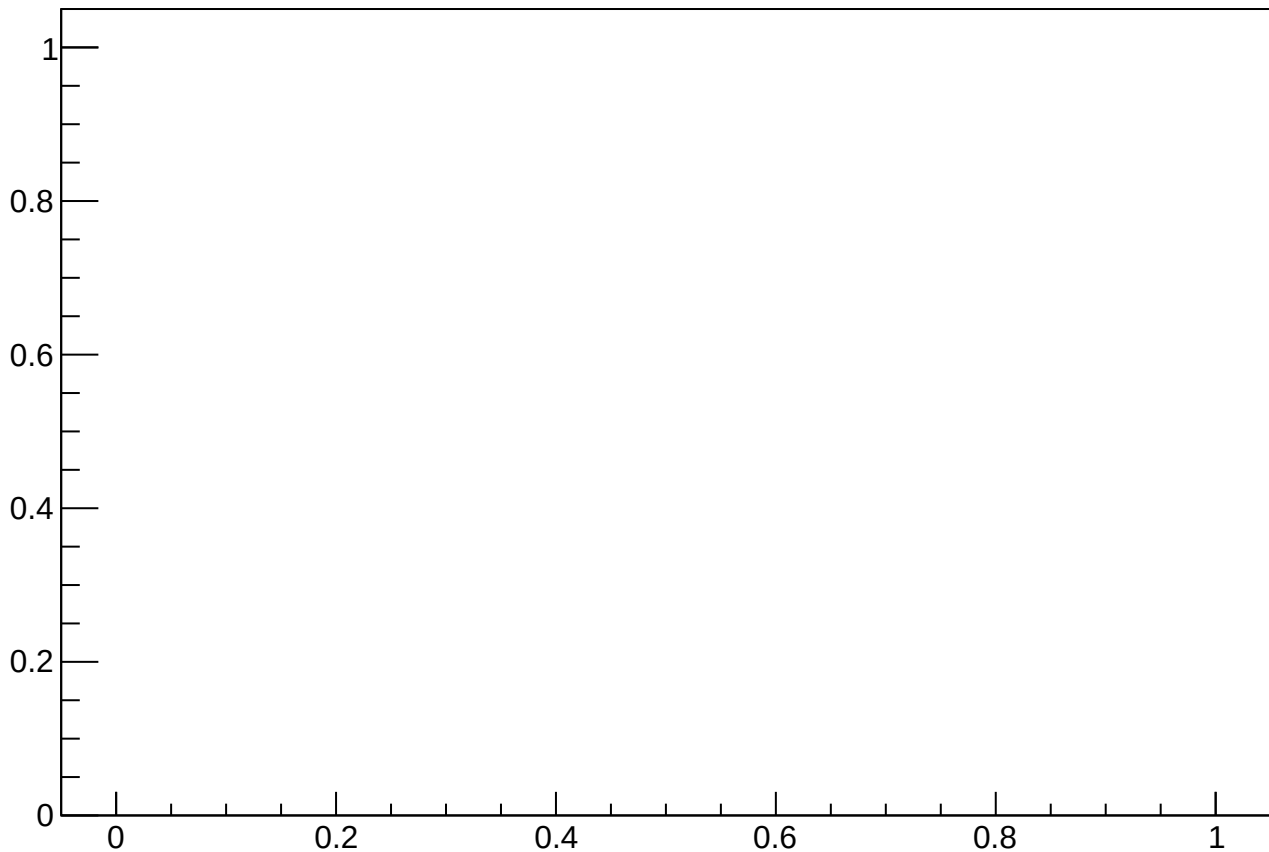
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

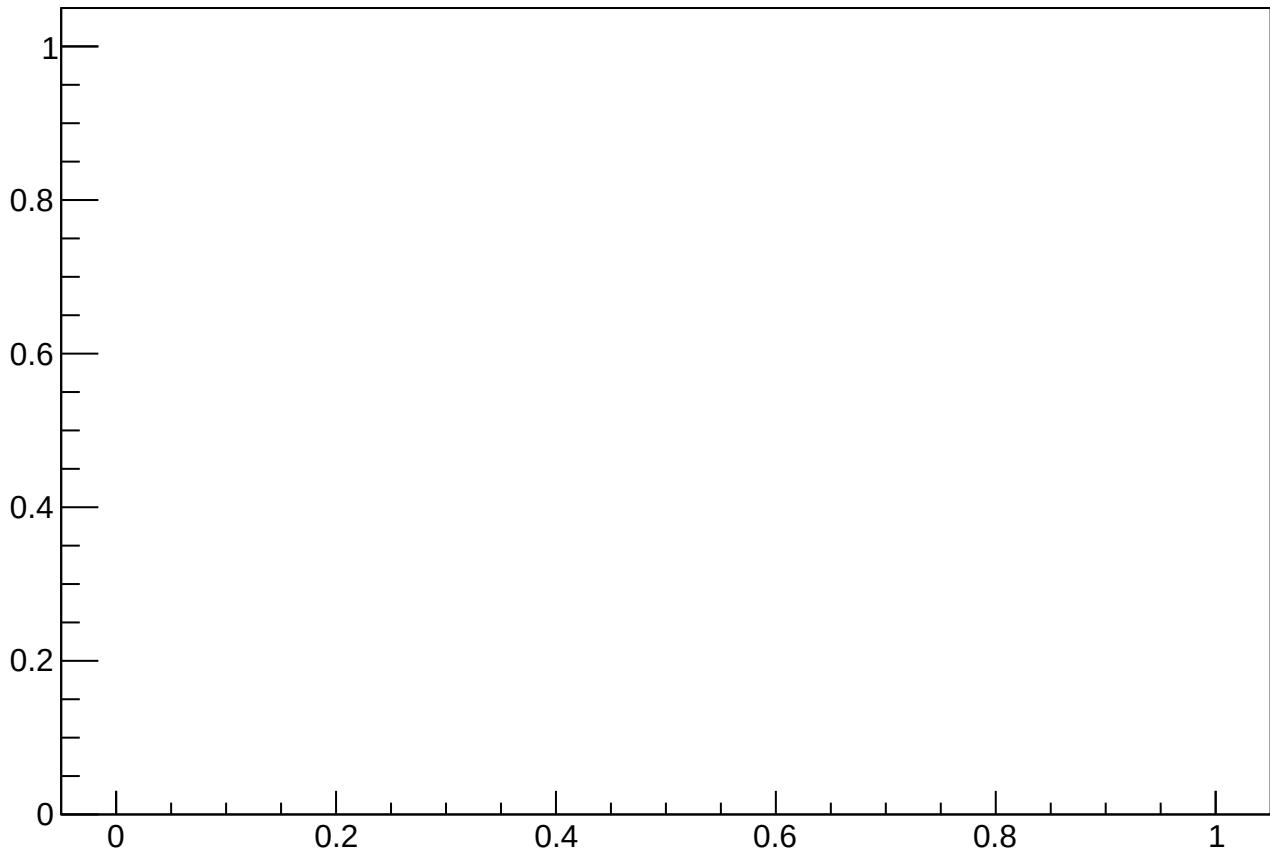
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

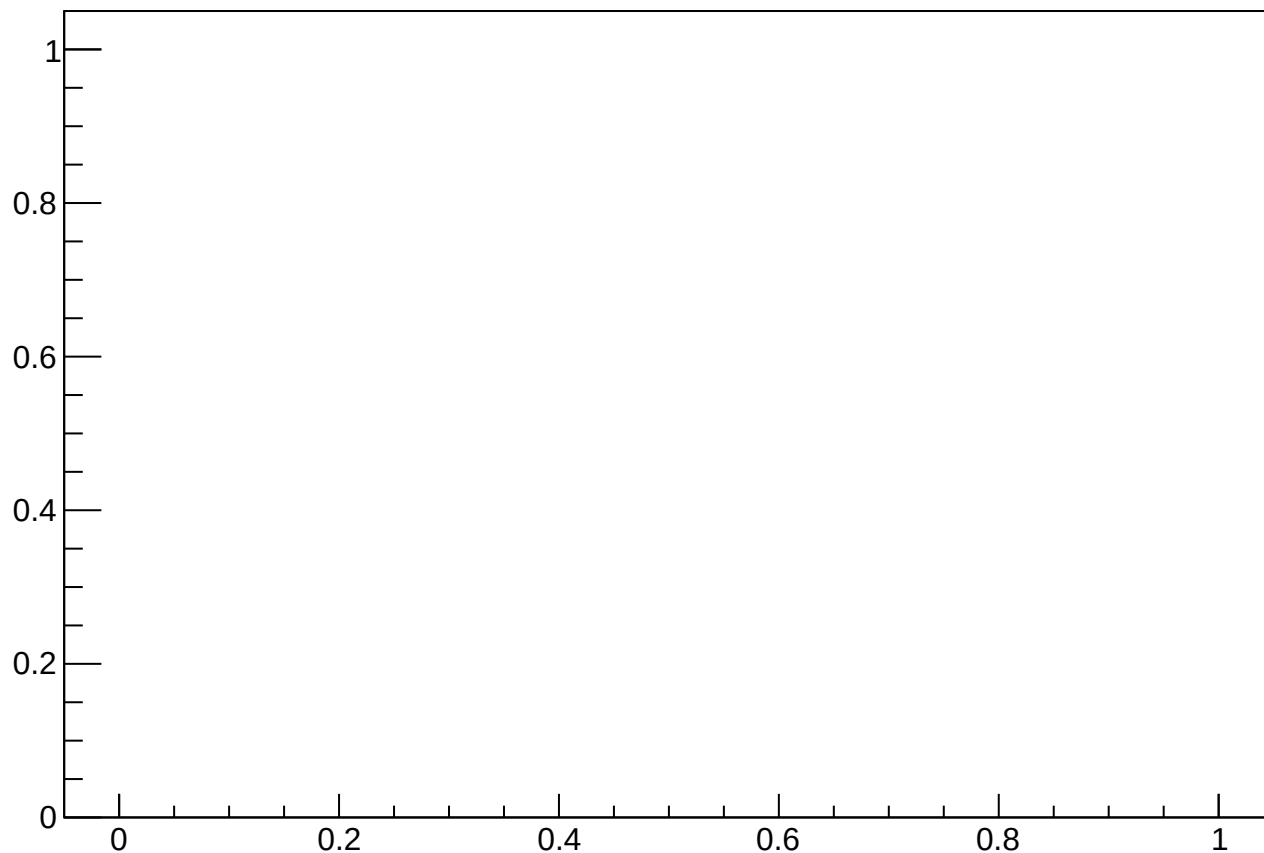
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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

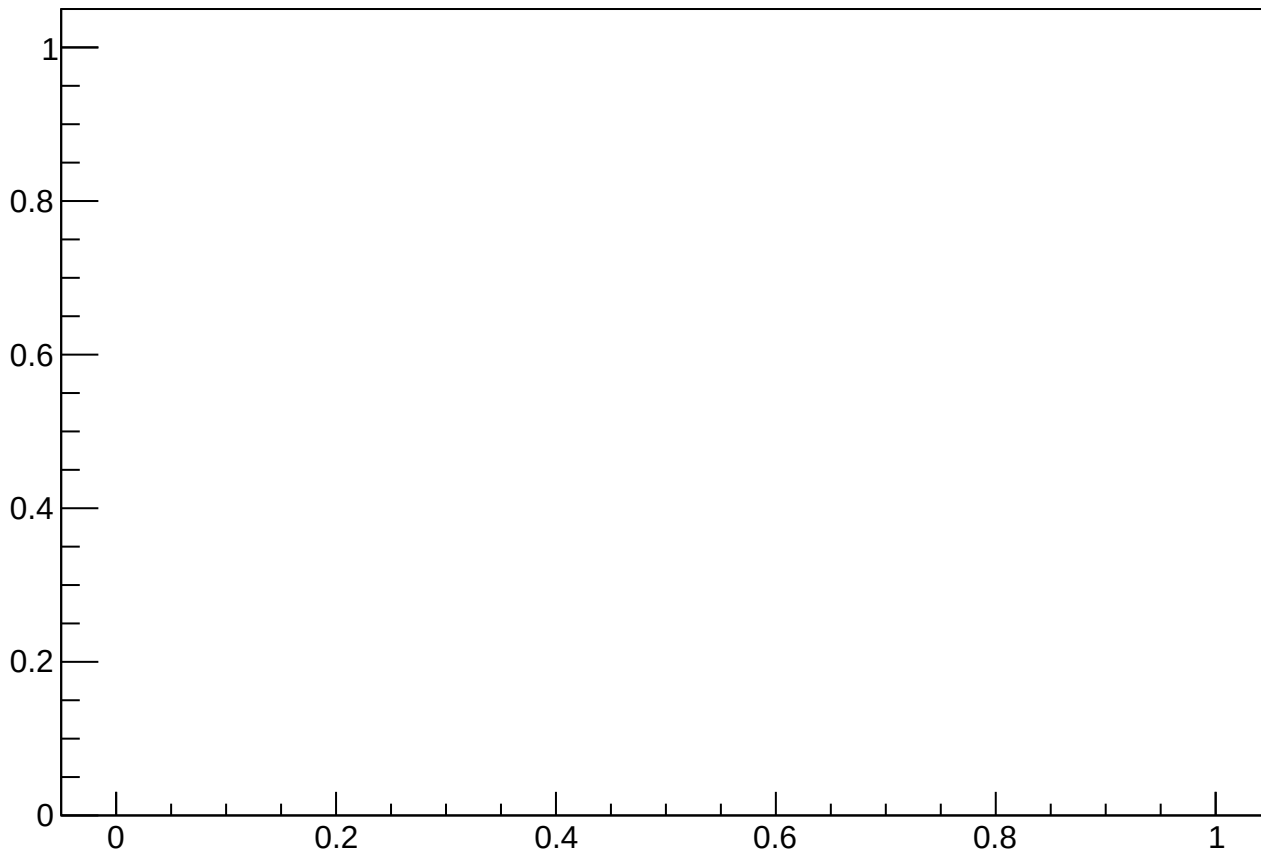
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

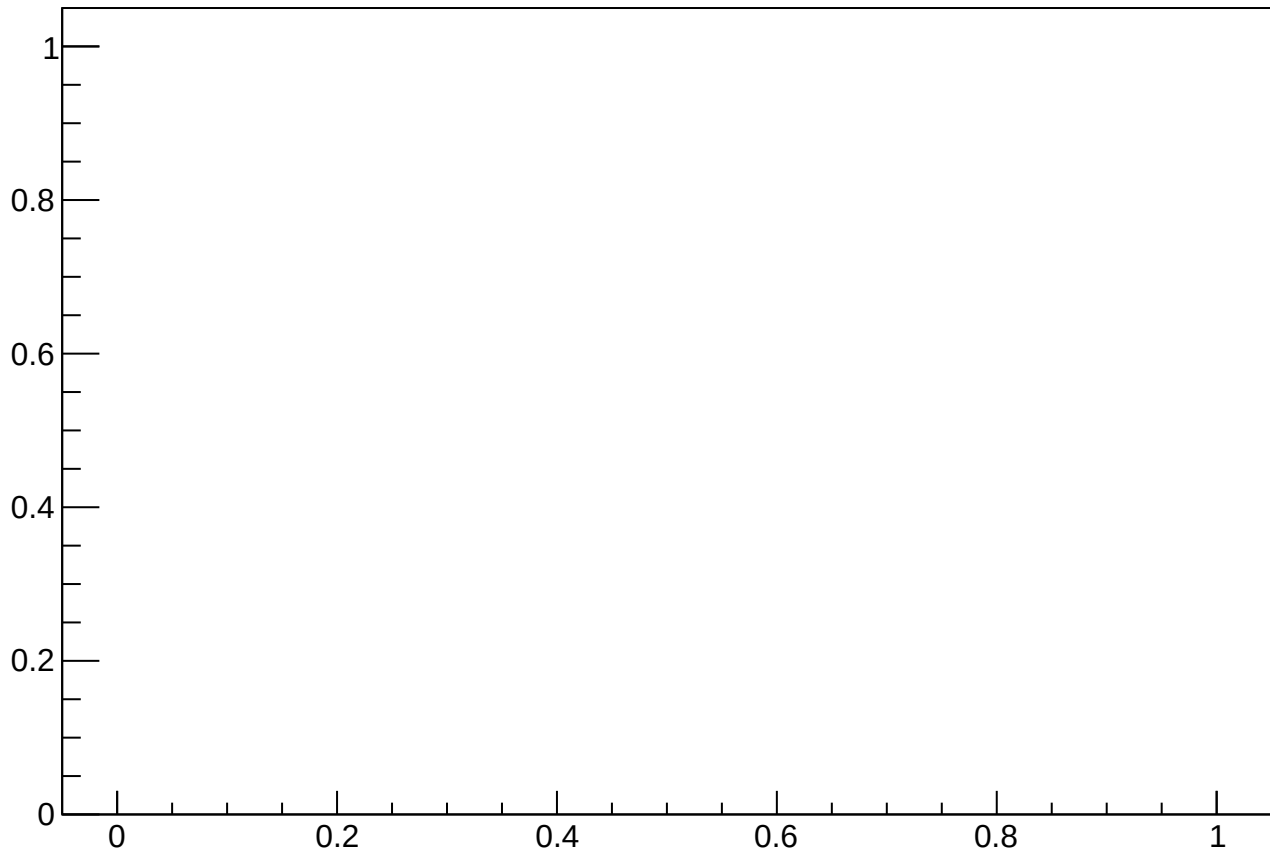
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

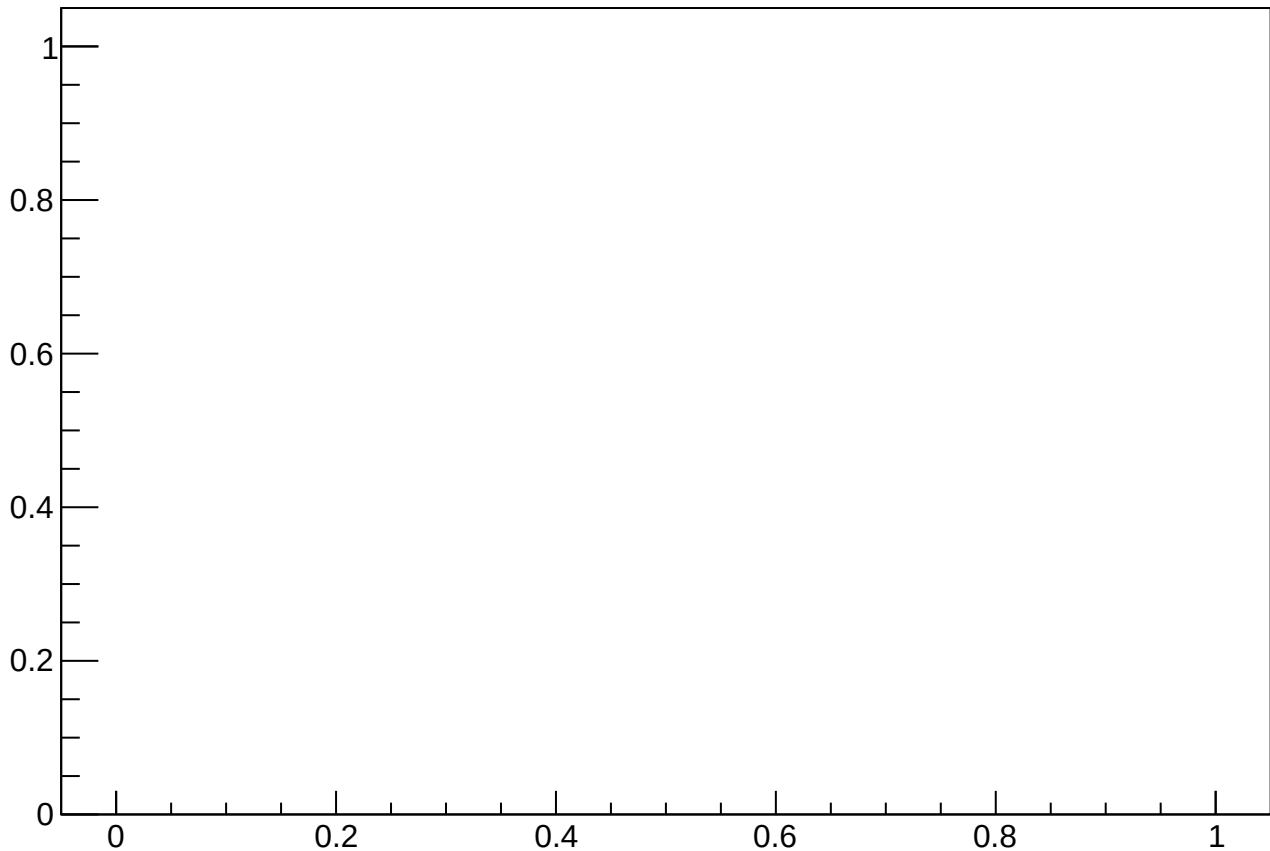
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

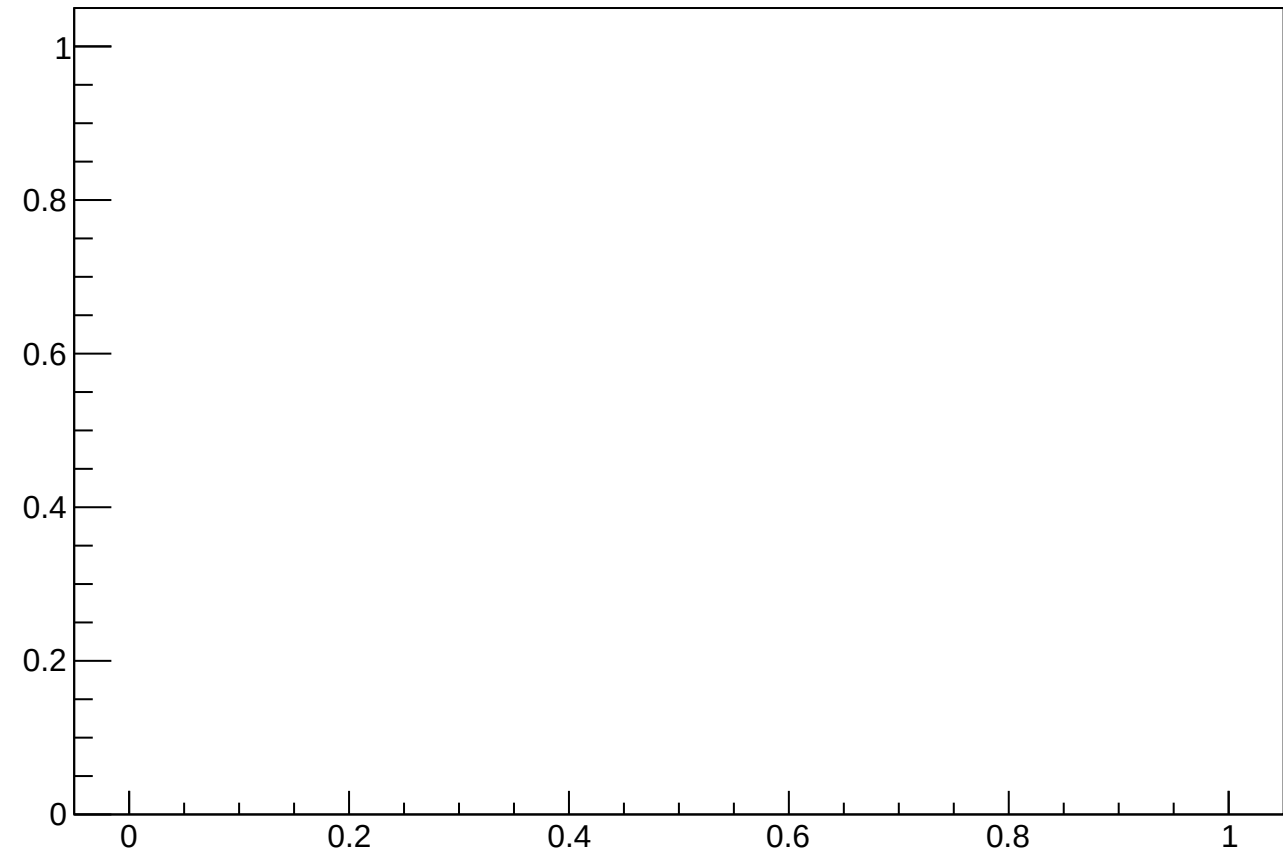
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

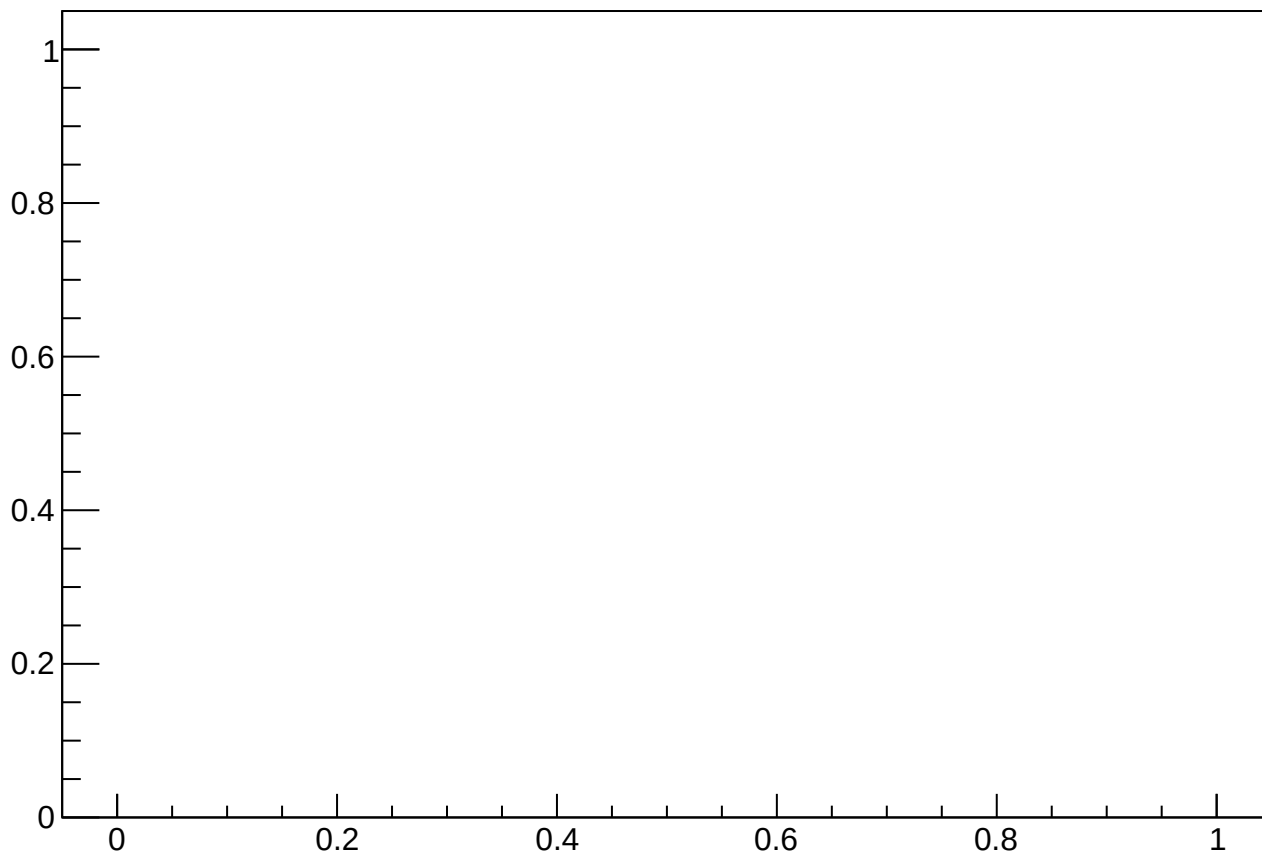
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

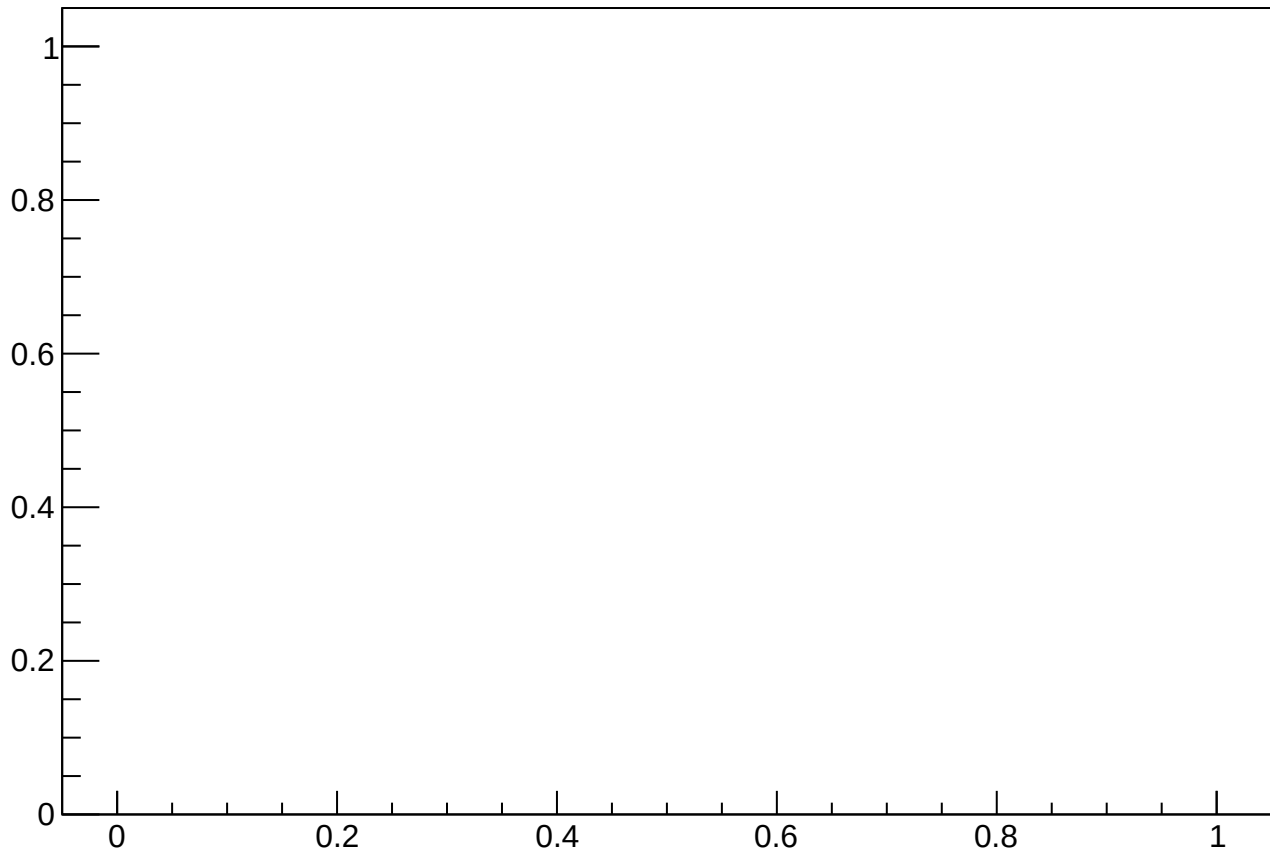
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

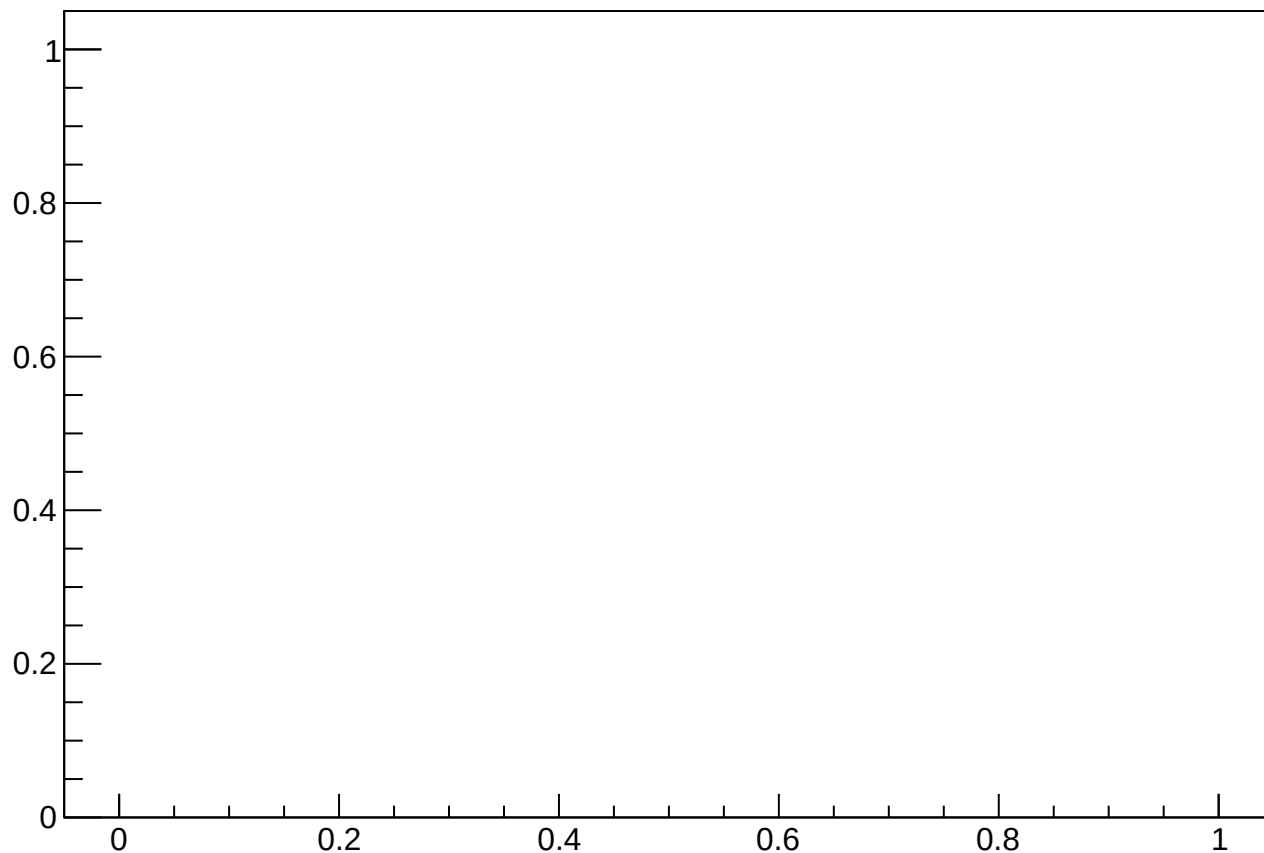
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 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  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

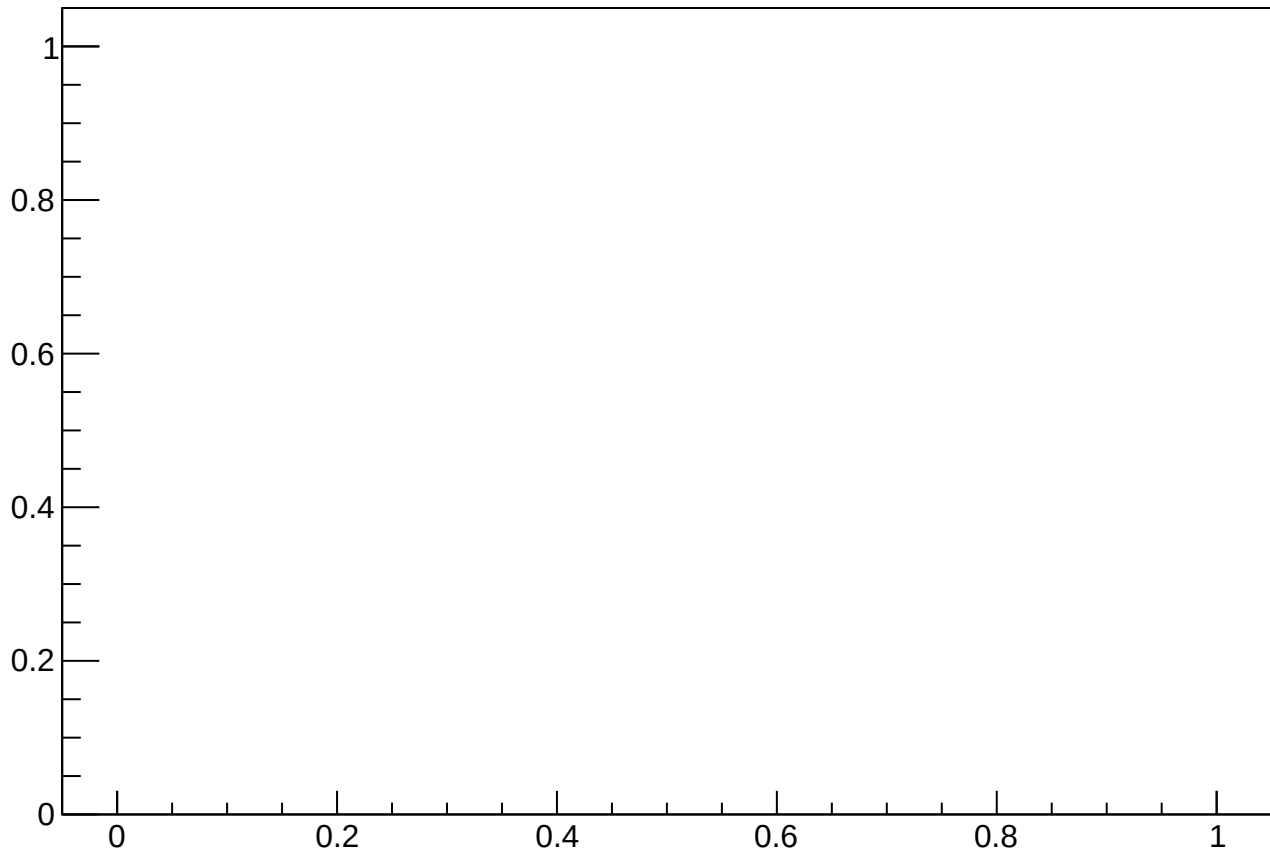
Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_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

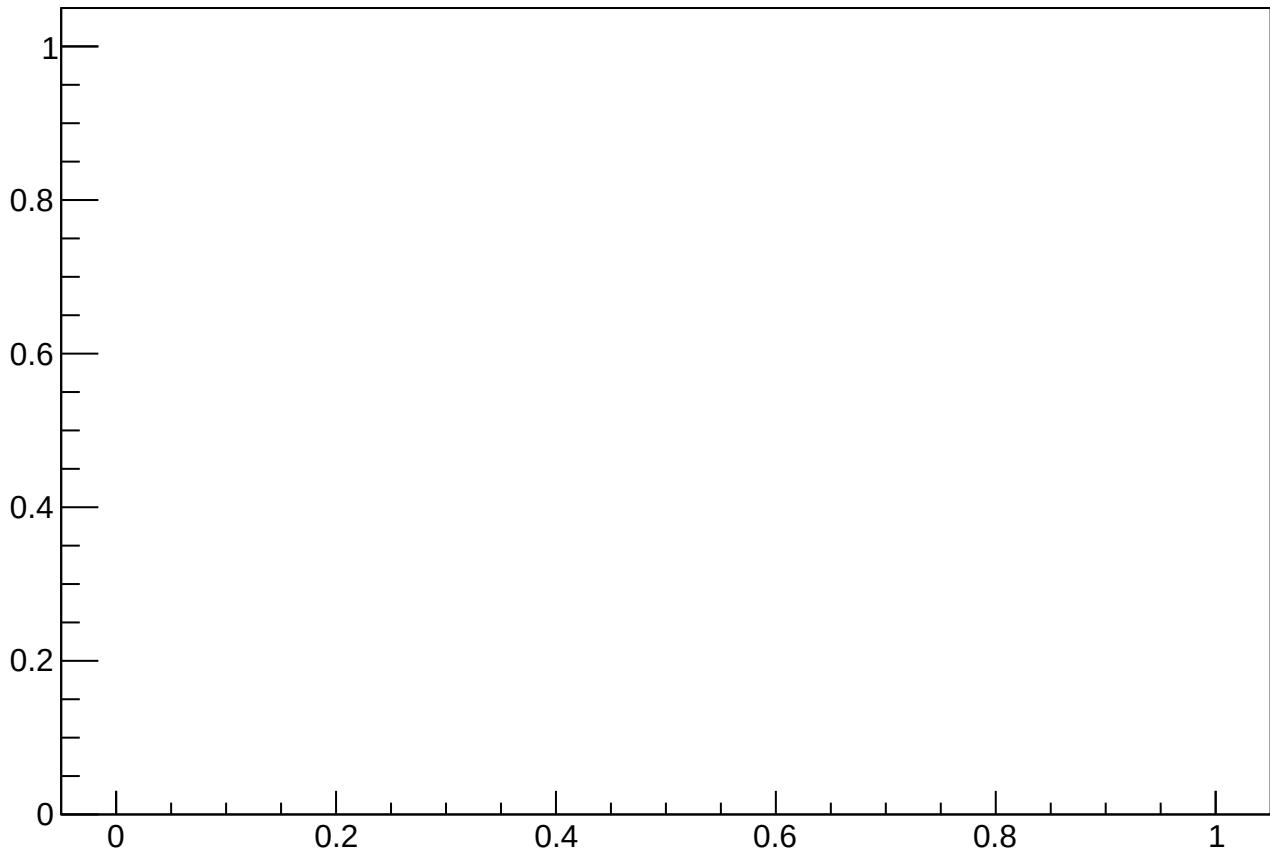
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

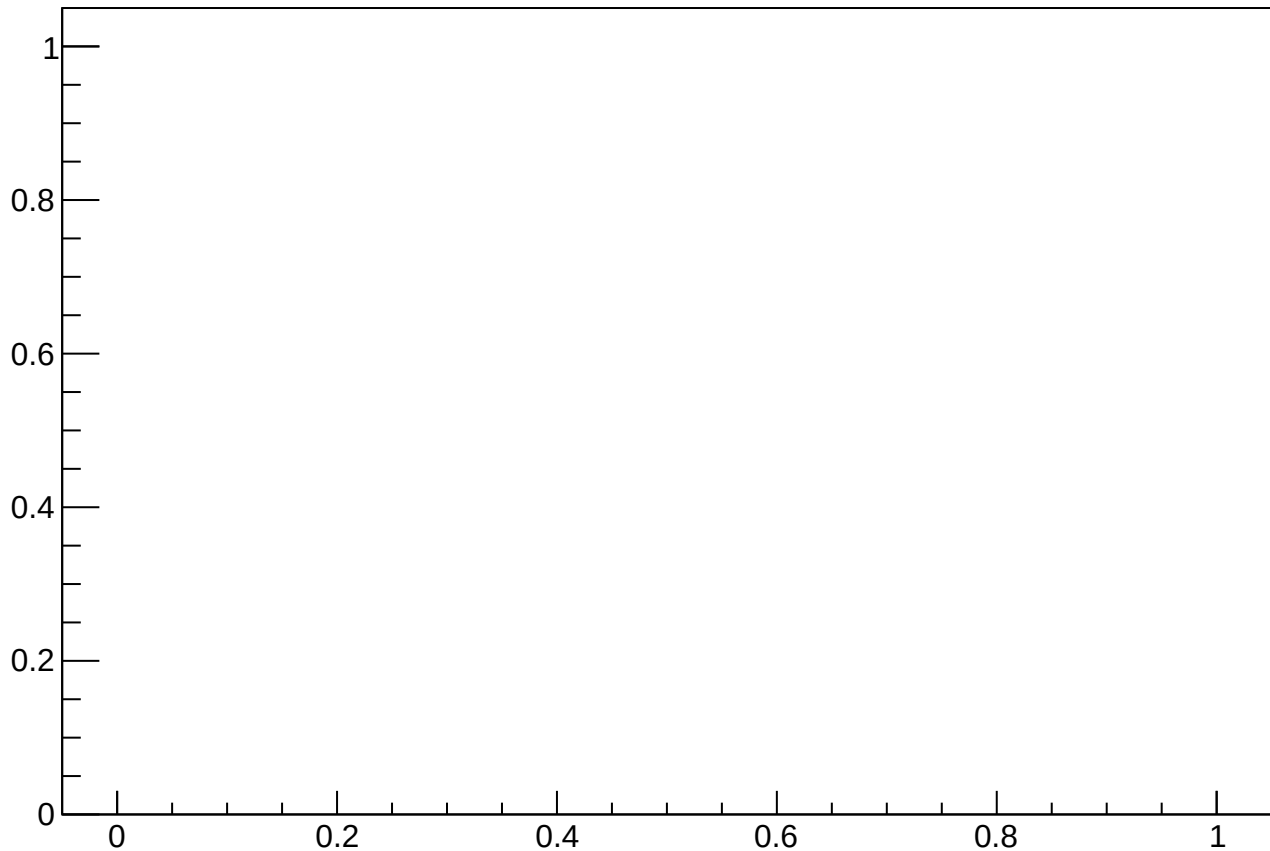
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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

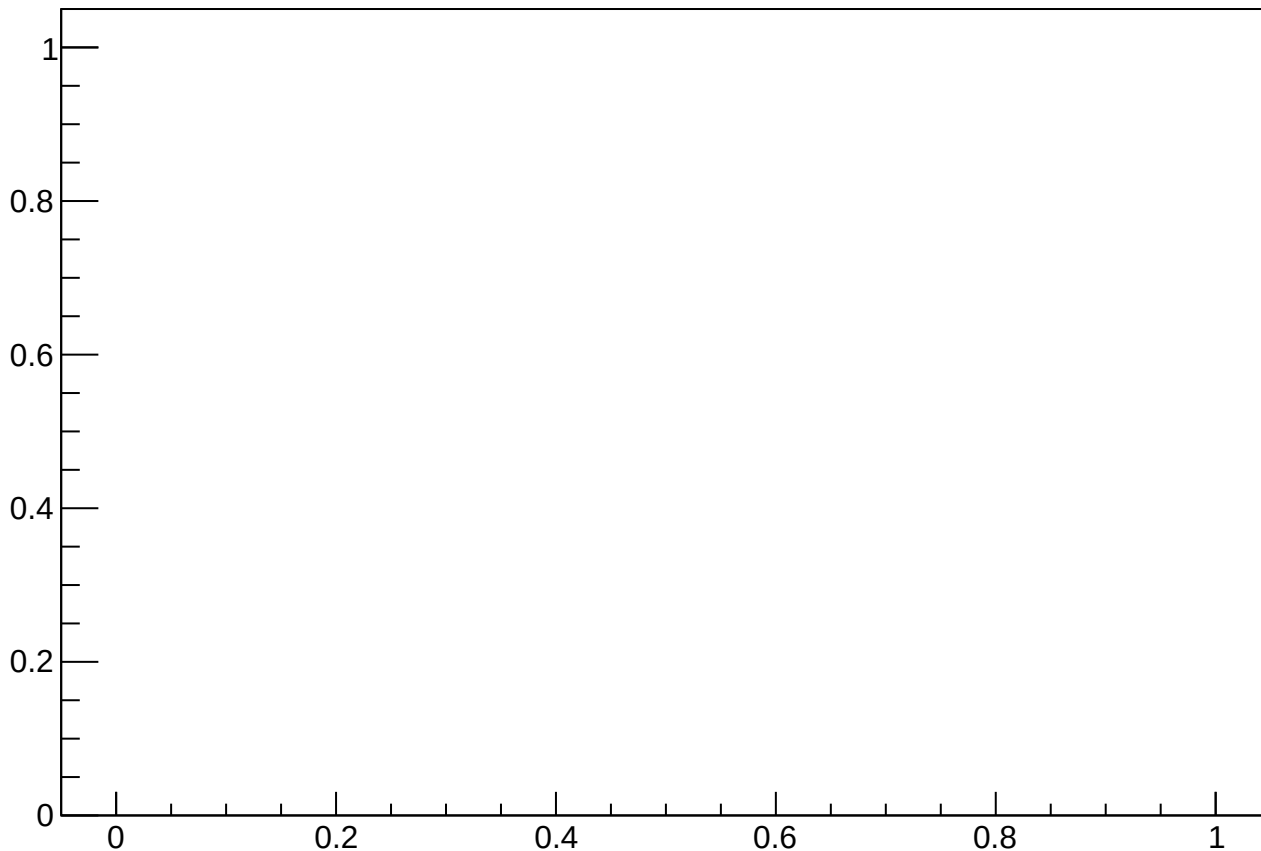
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 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

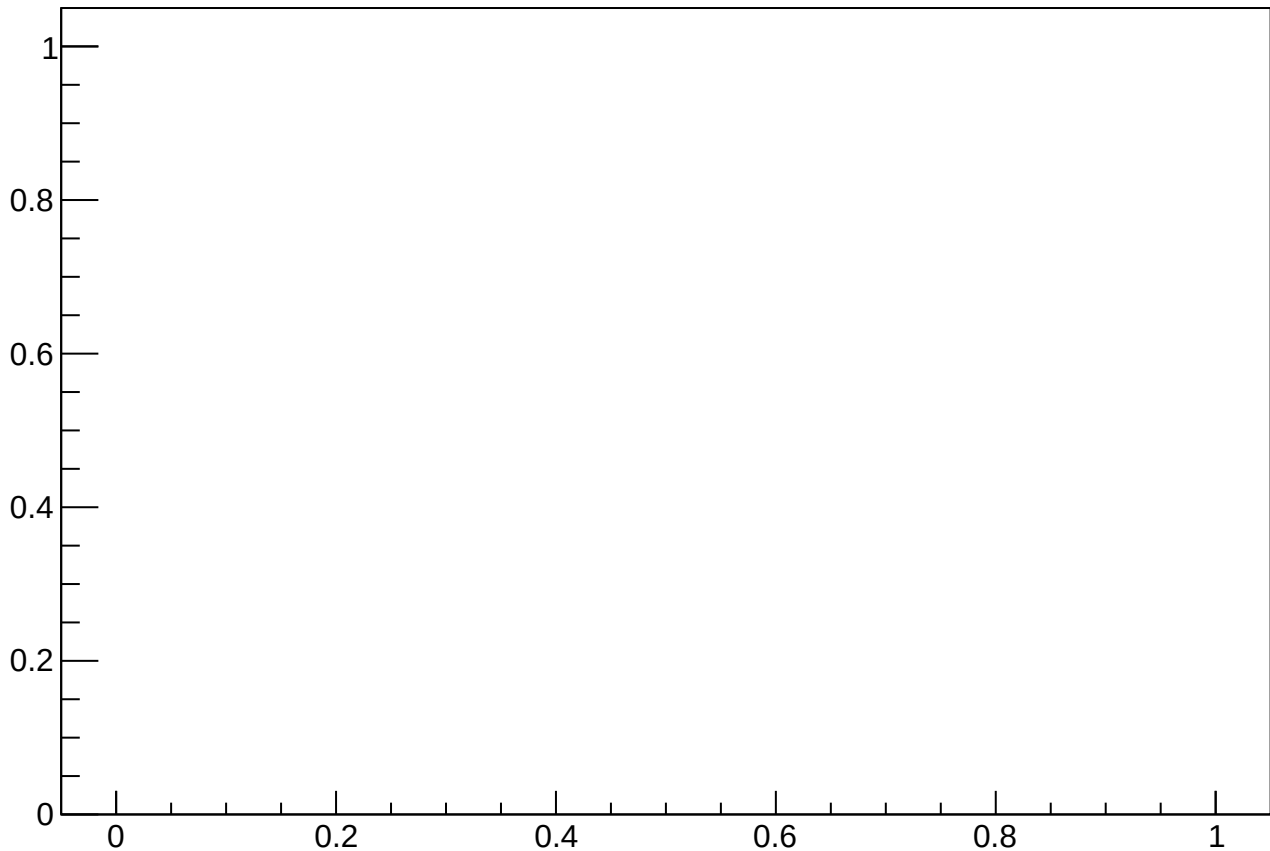
Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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\_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

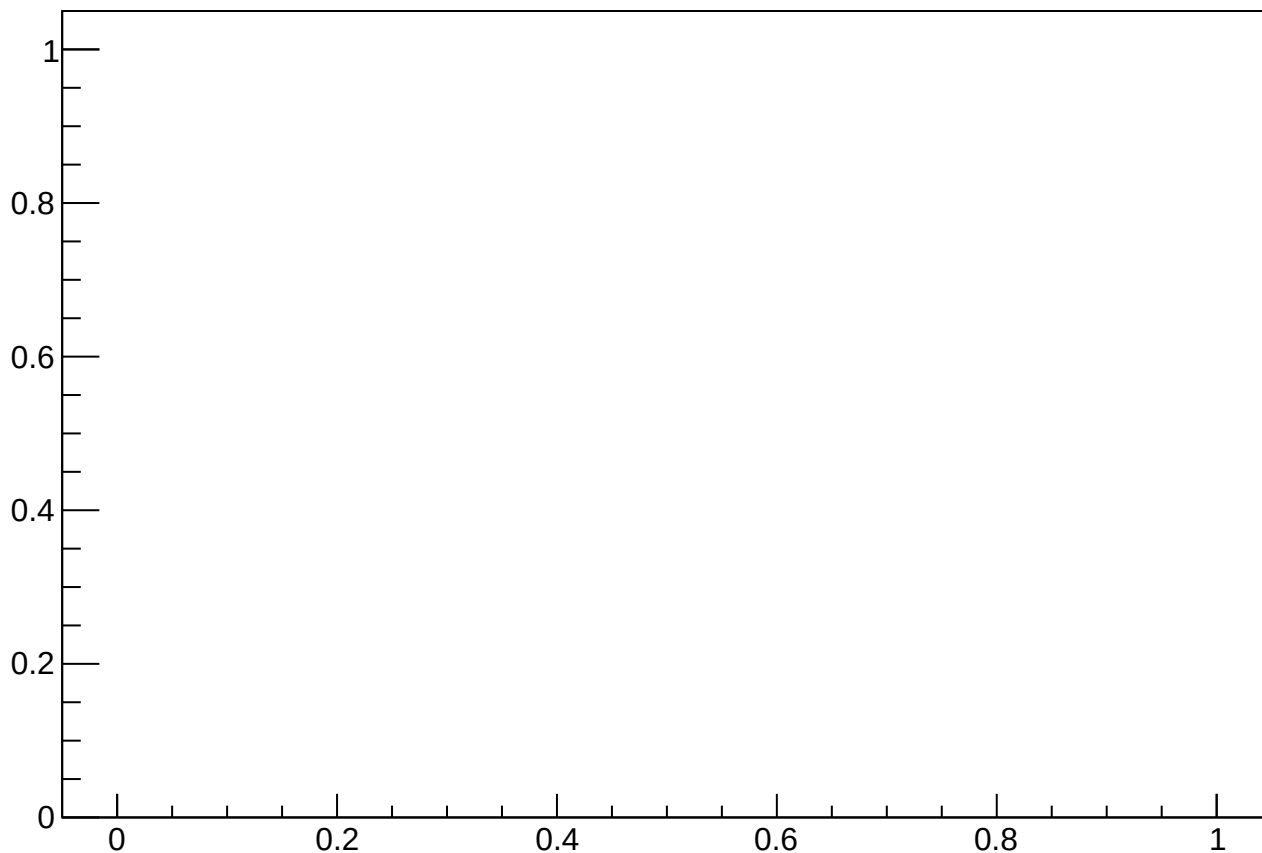
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

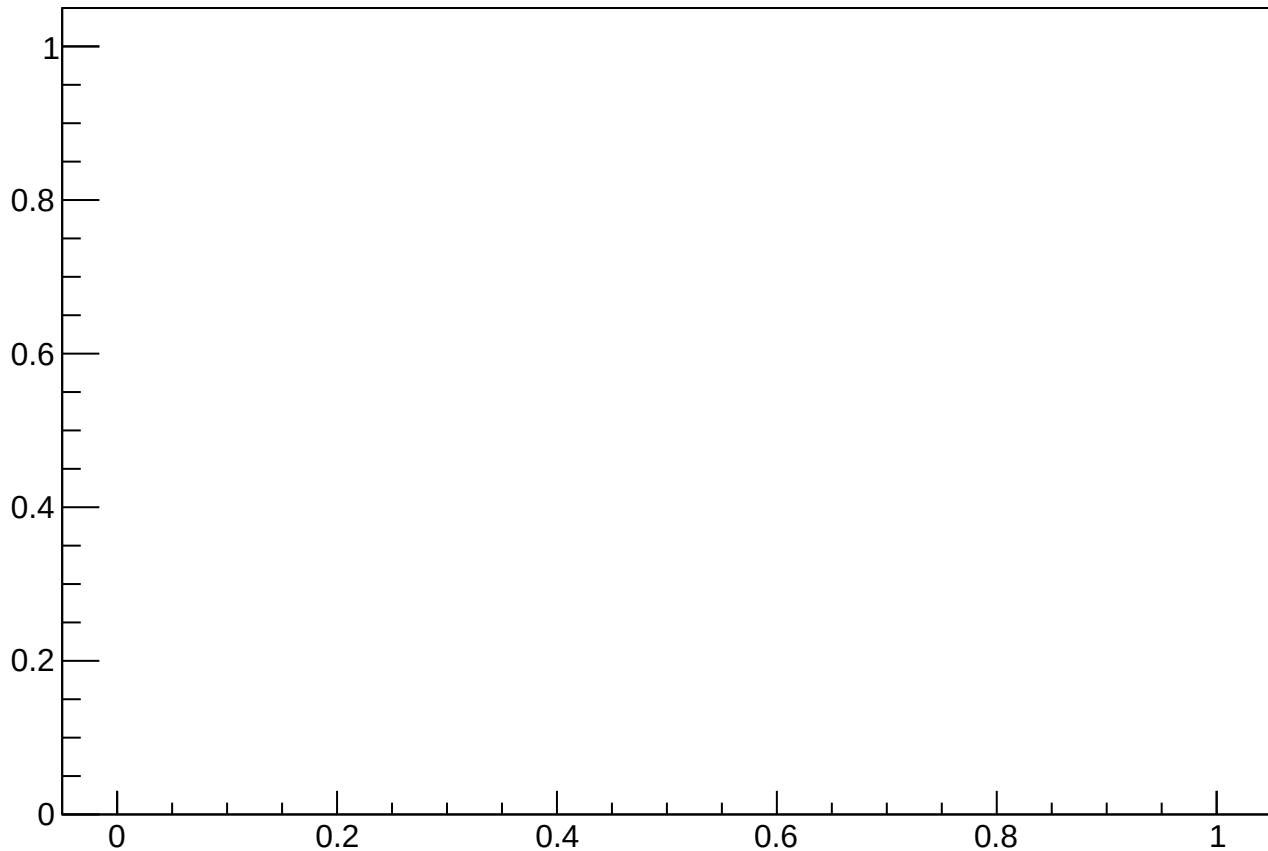
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

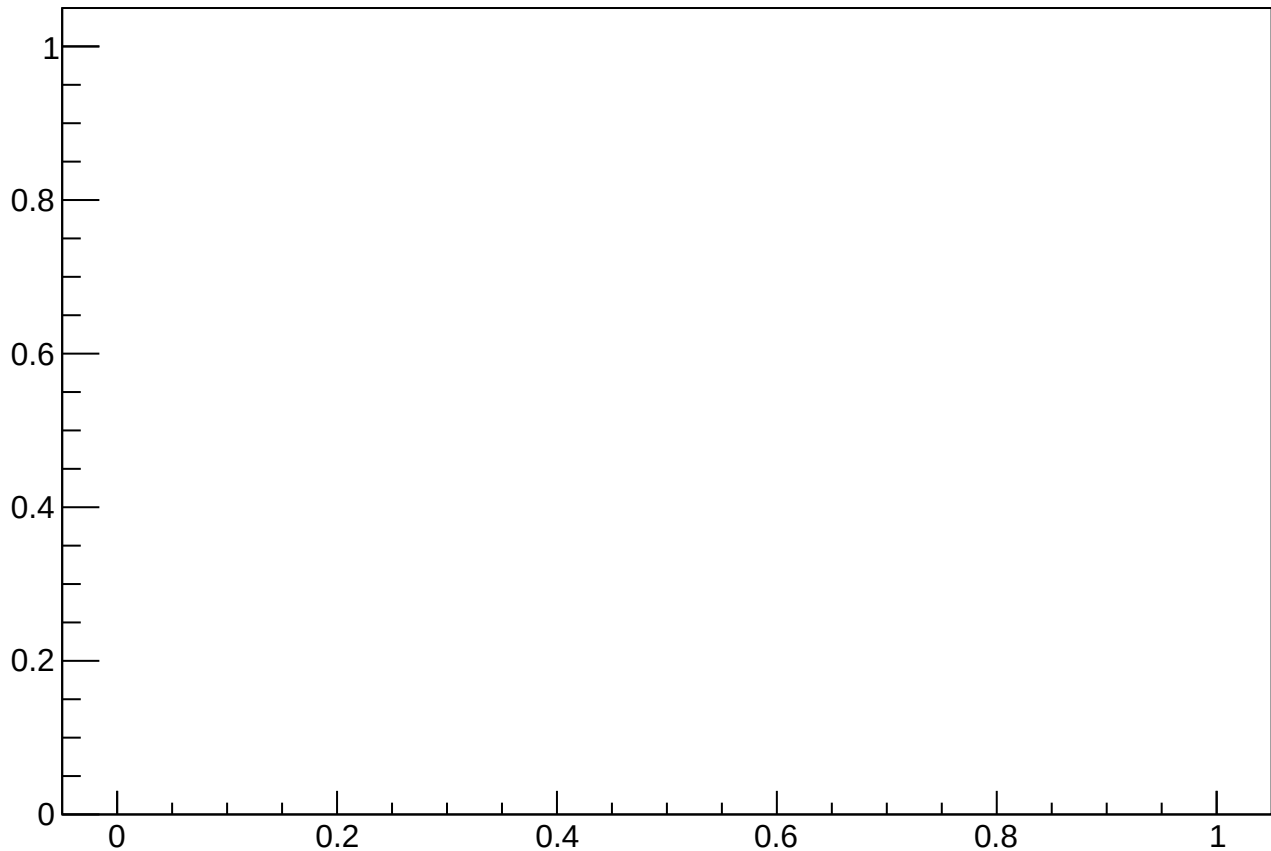
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 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

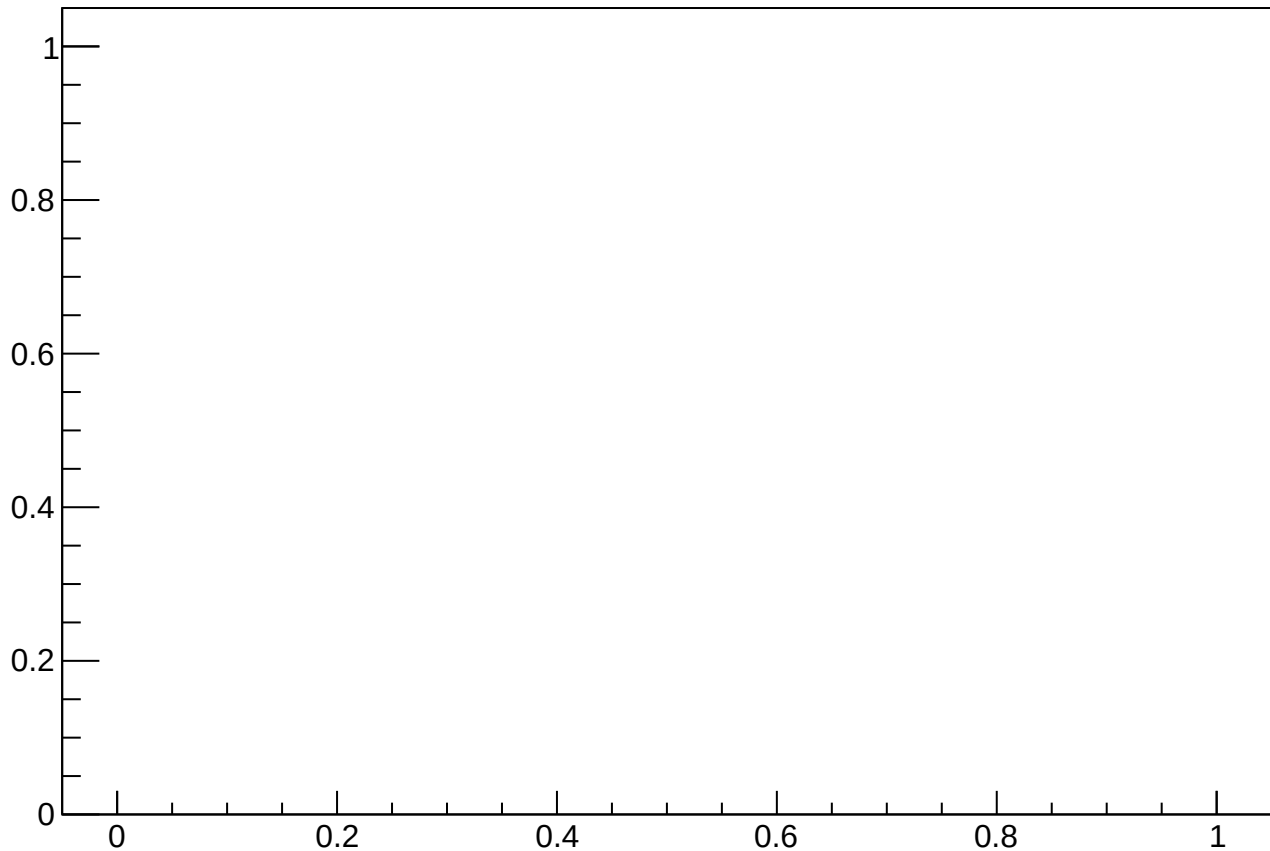
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 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\_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

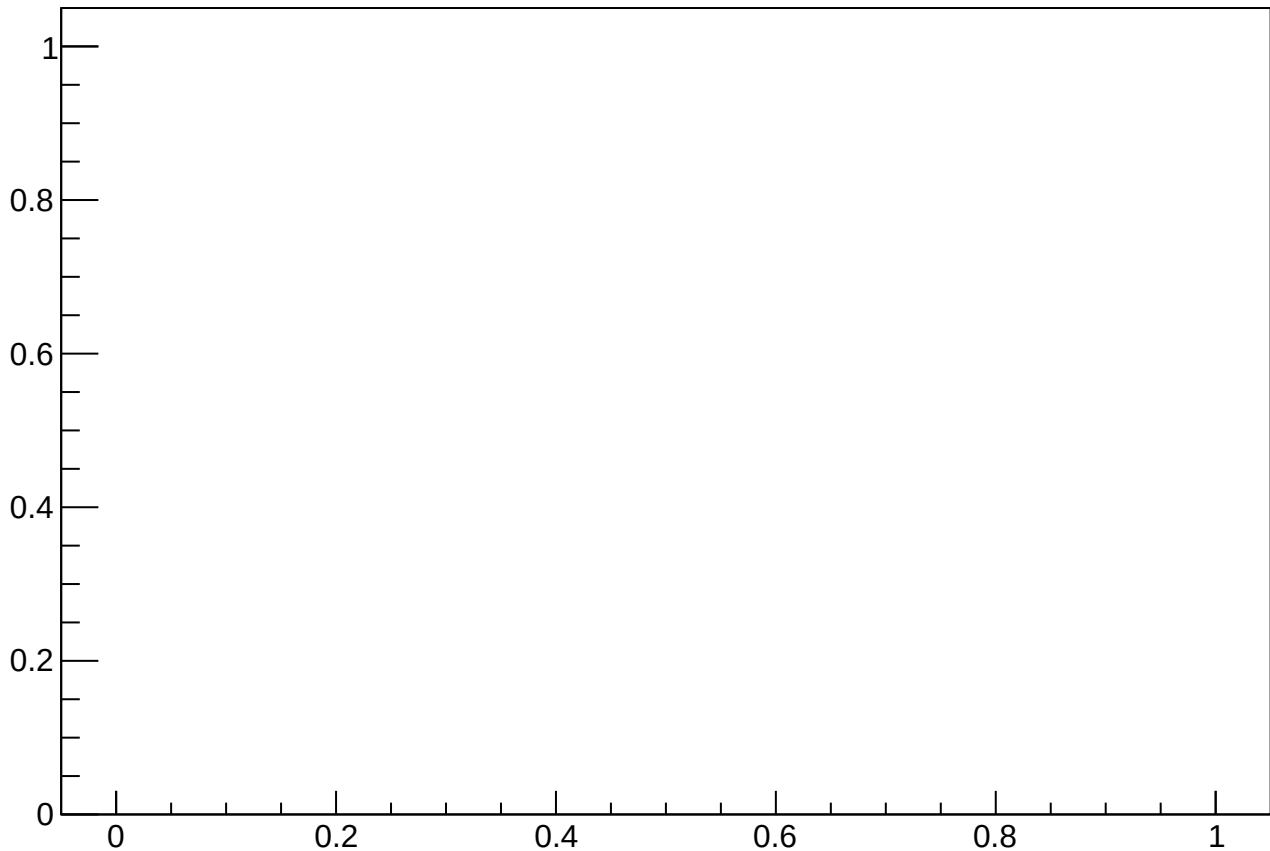
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

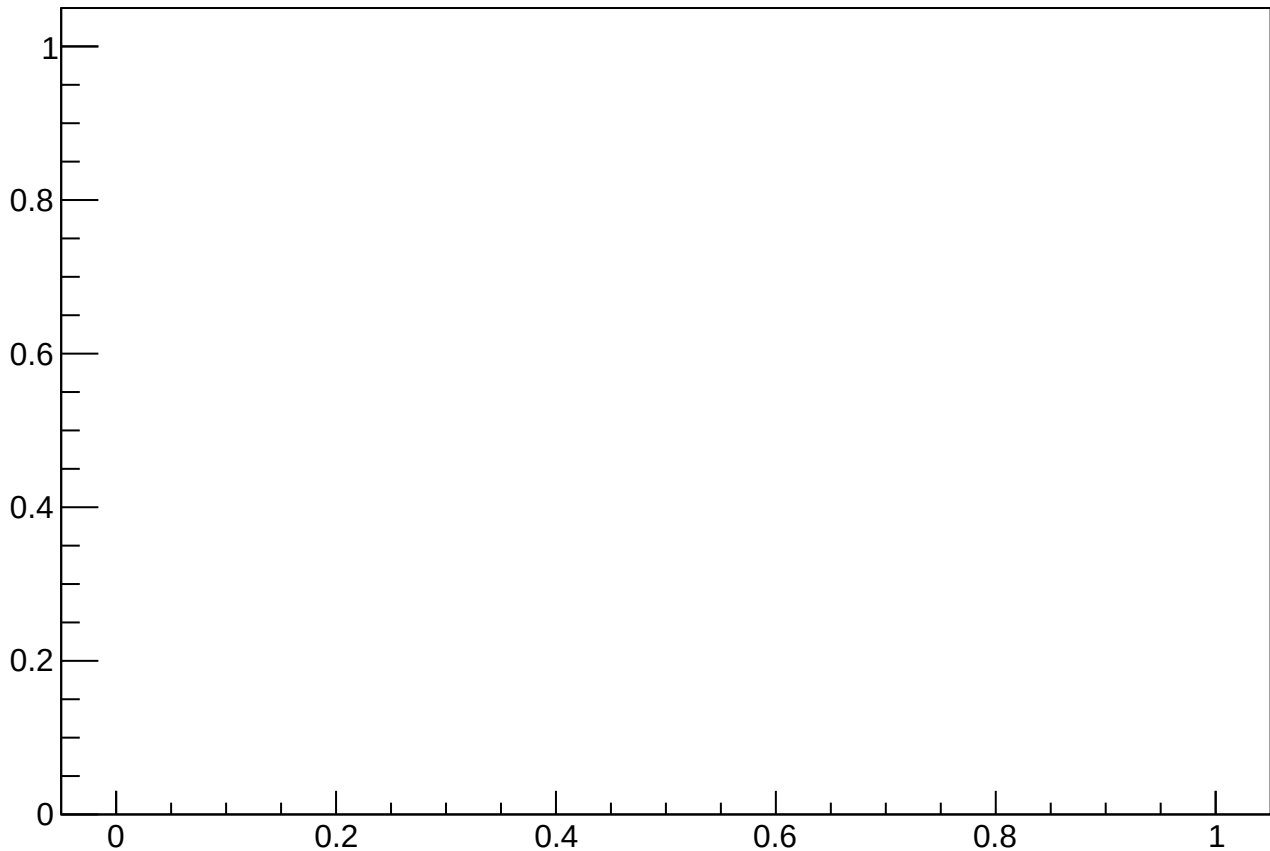
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

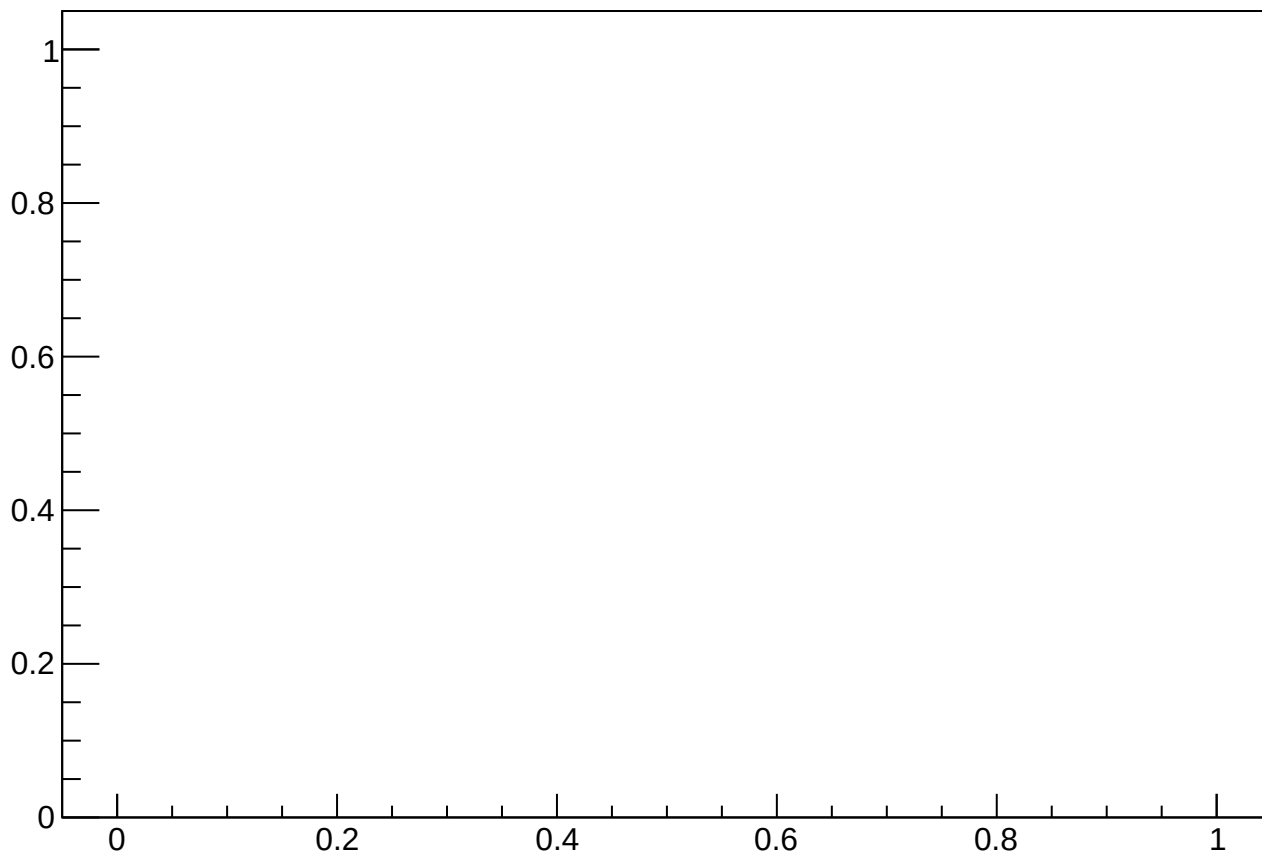
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

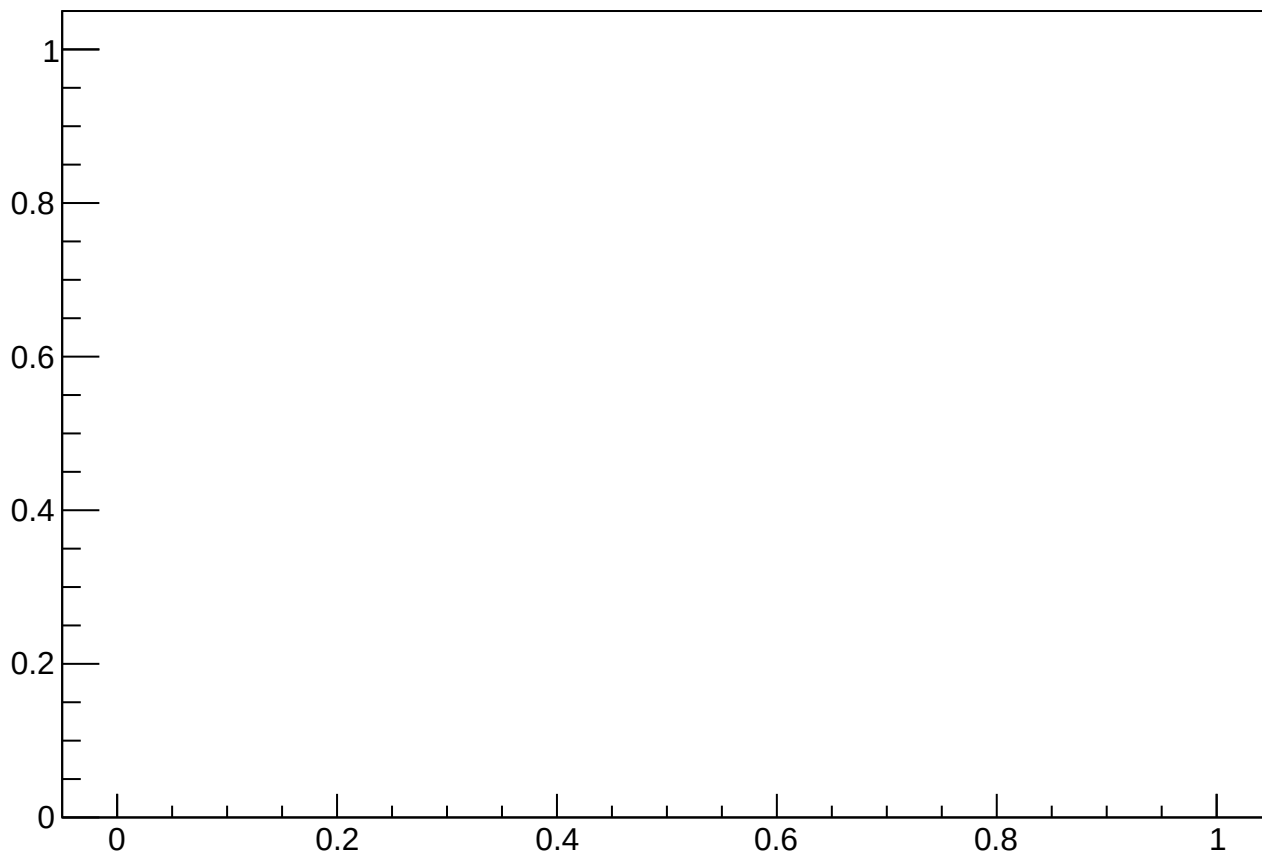
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

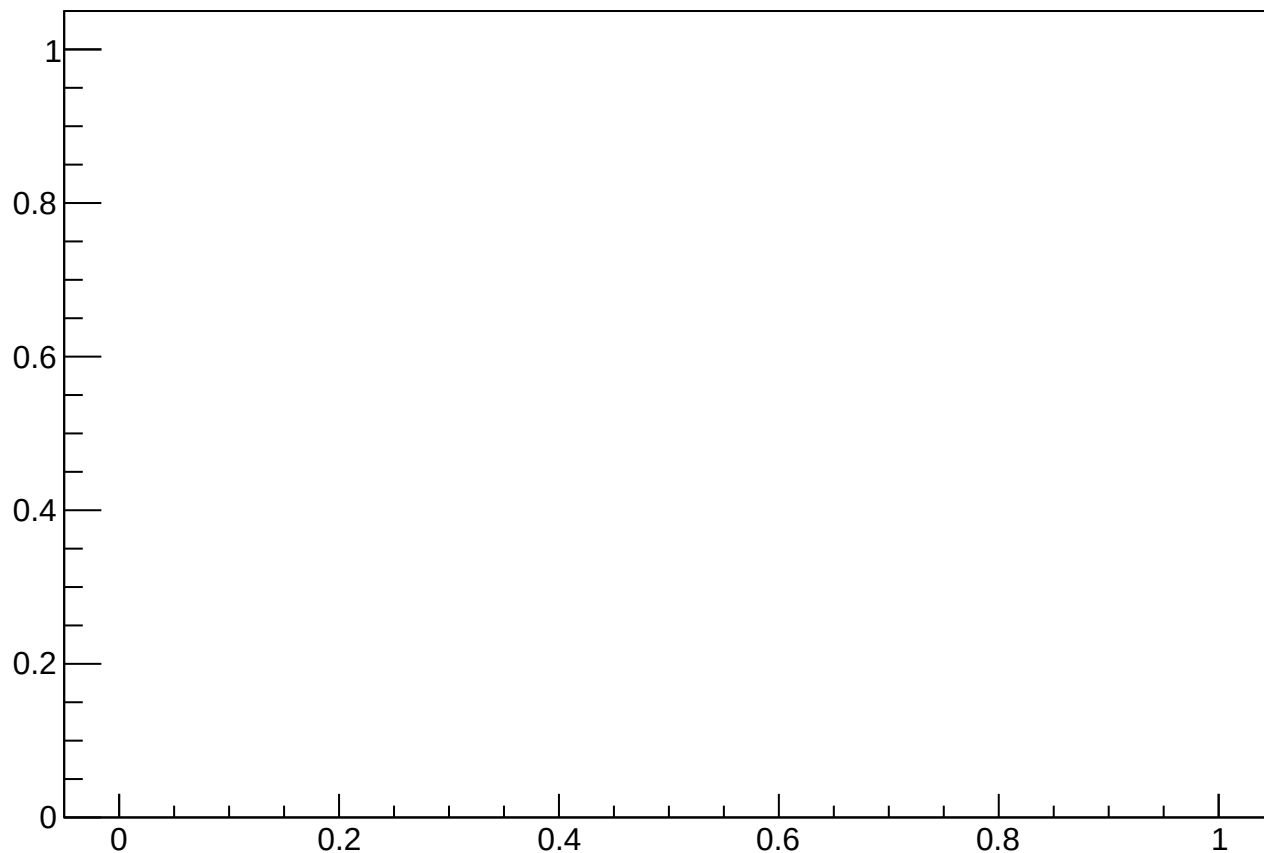
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_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

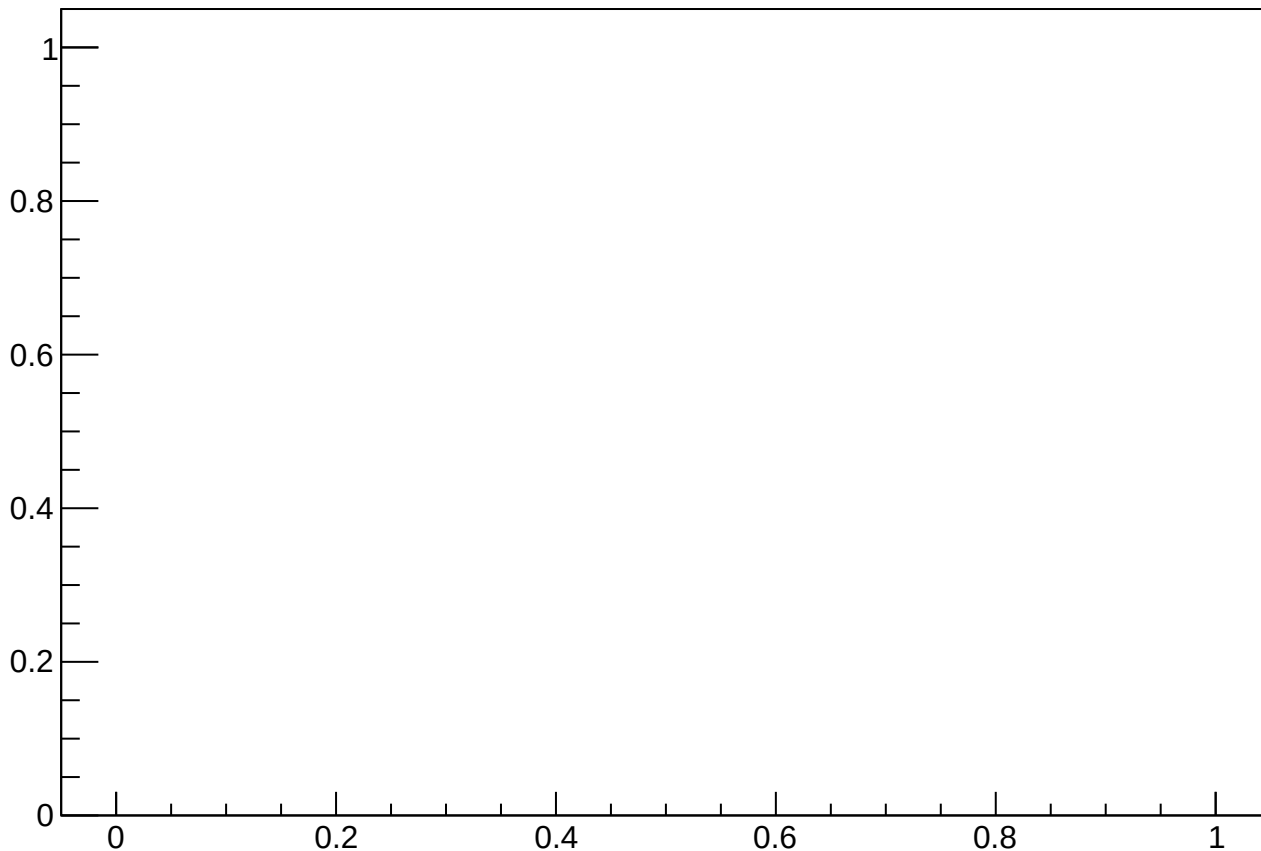
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 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\_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

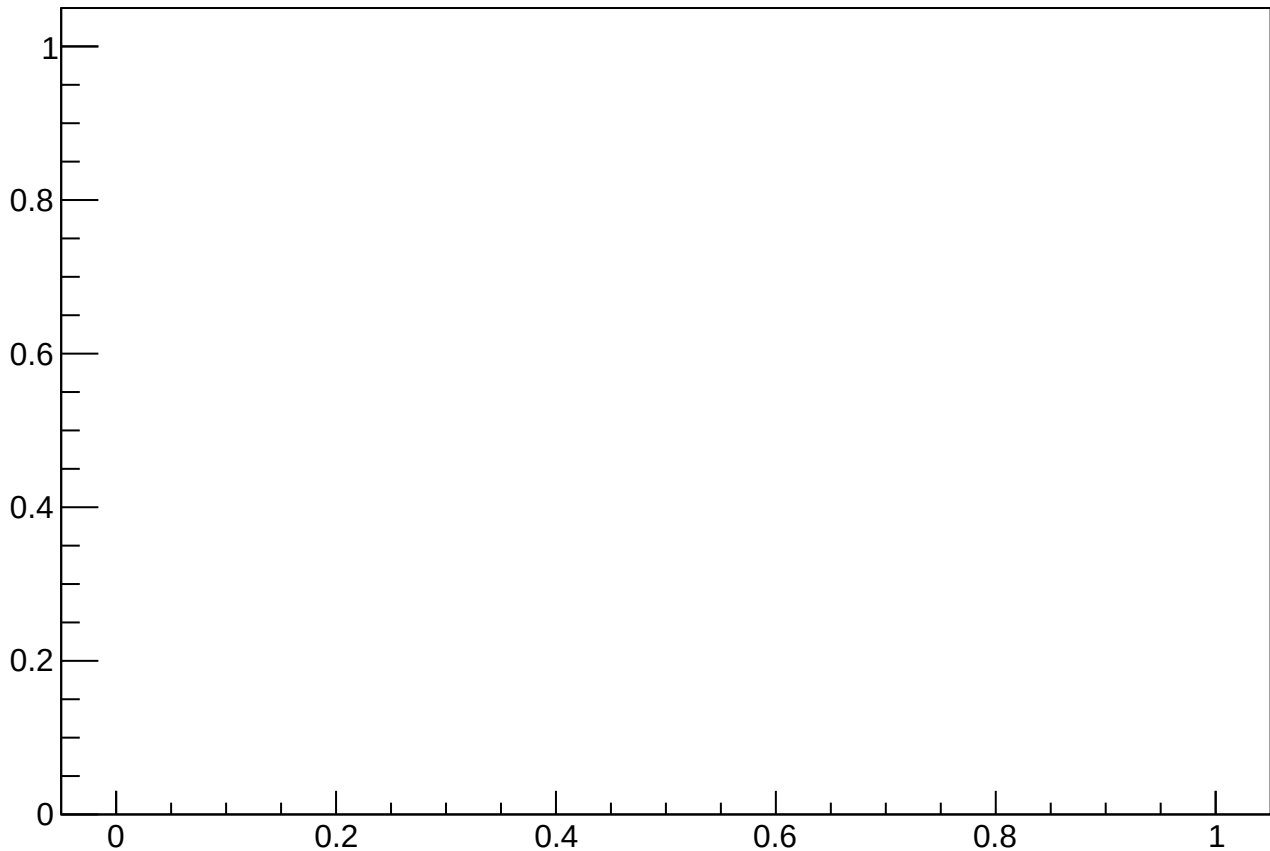
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

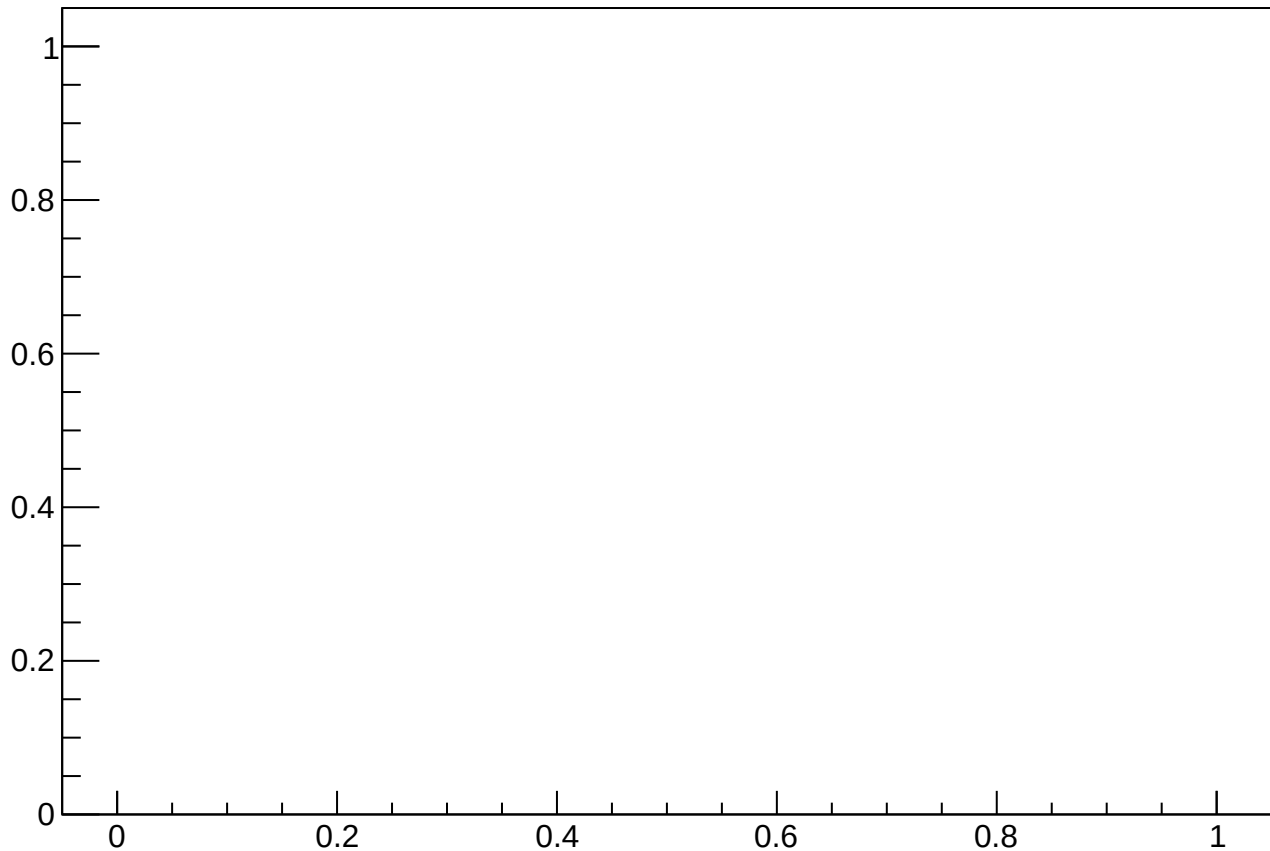
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

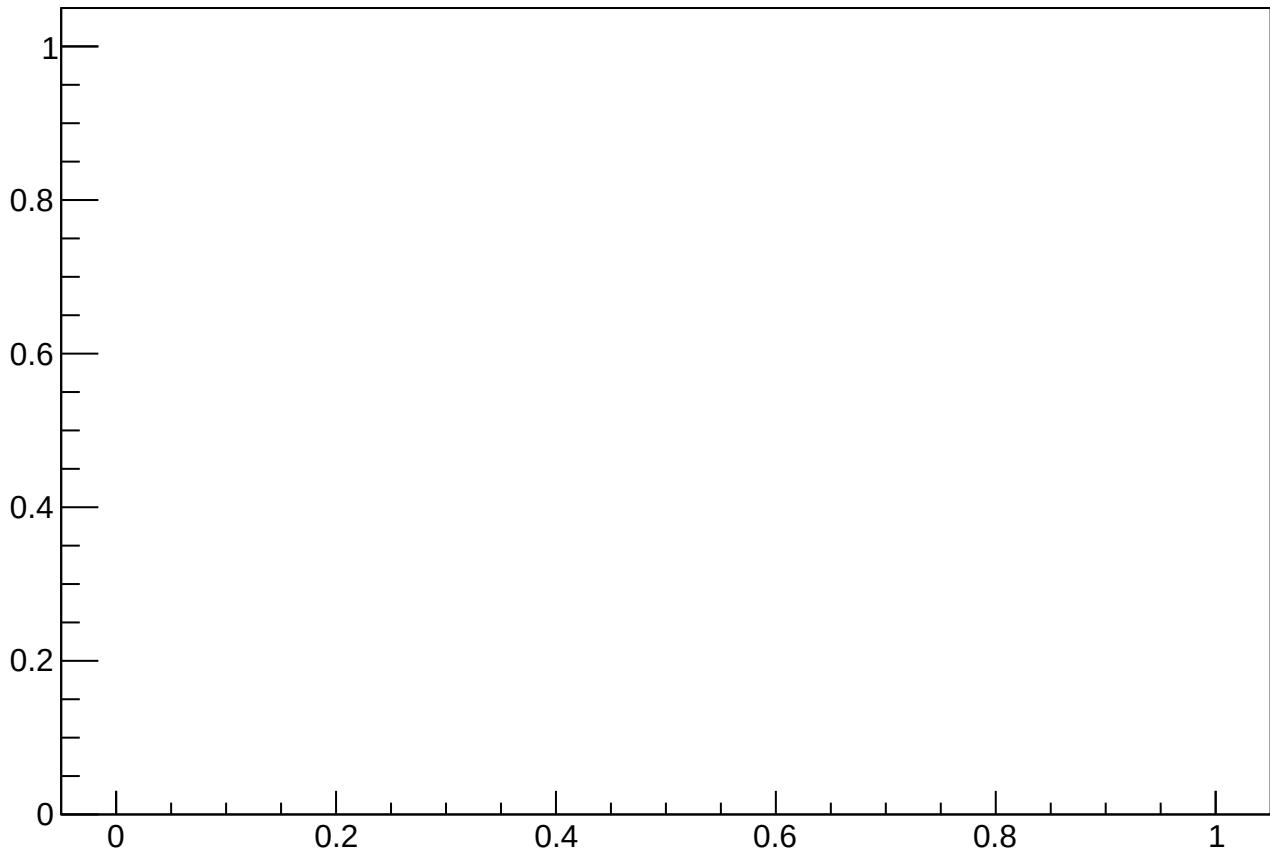
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

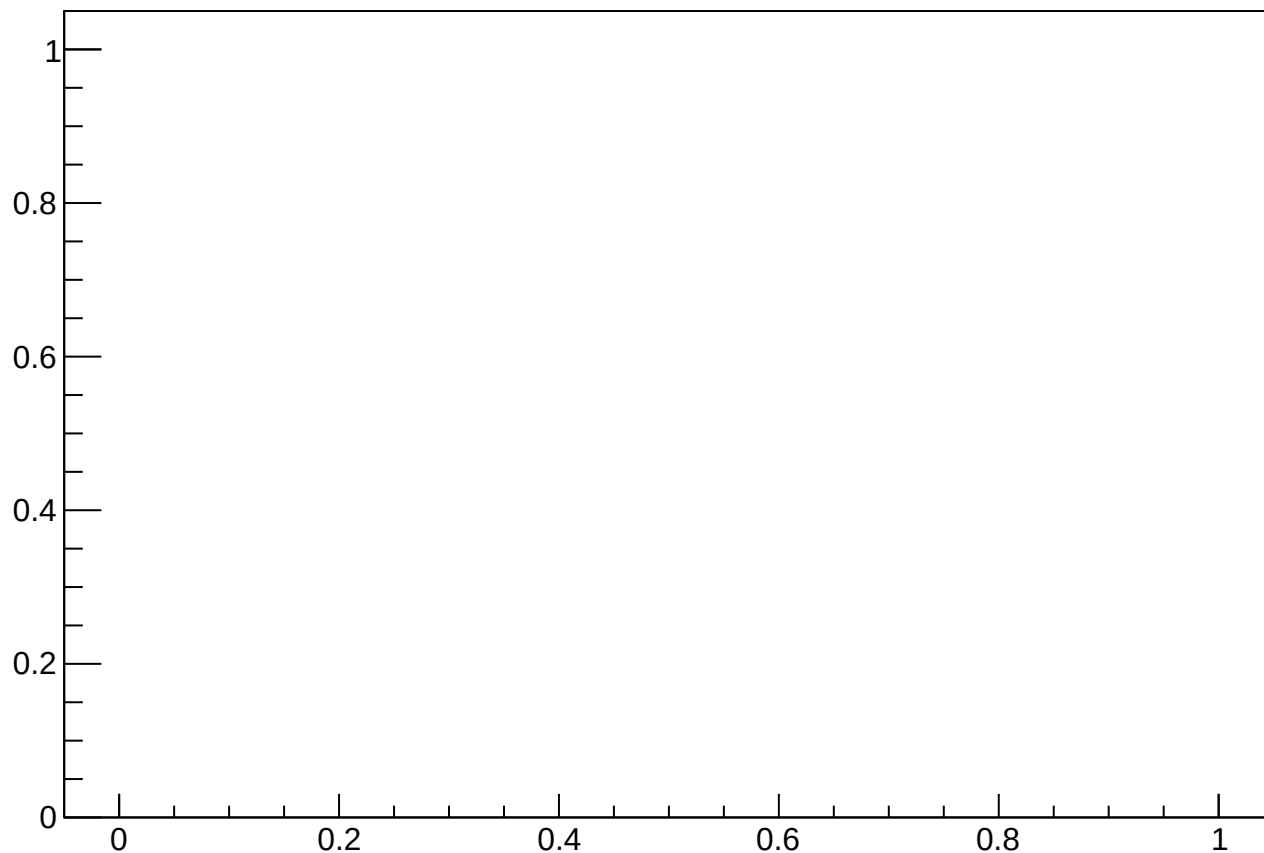
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

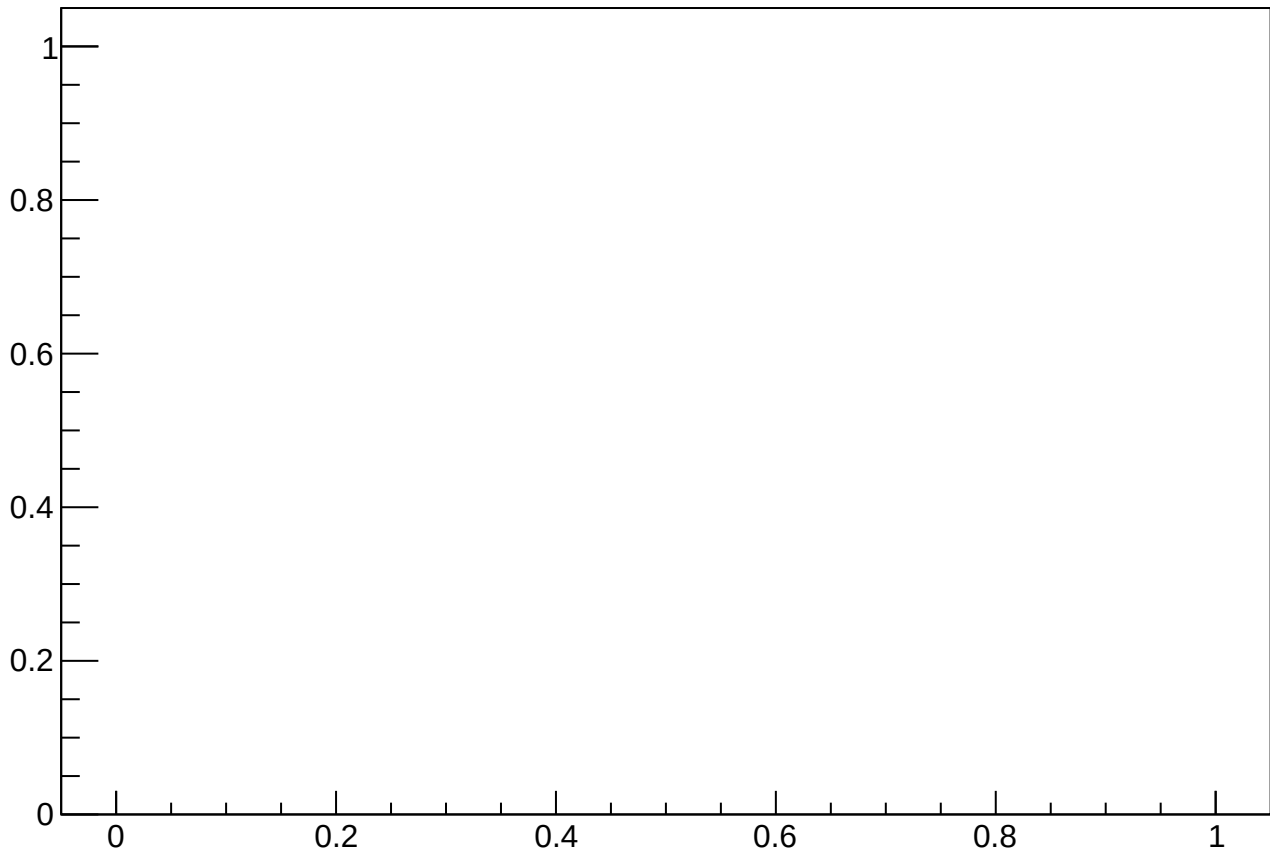
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 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

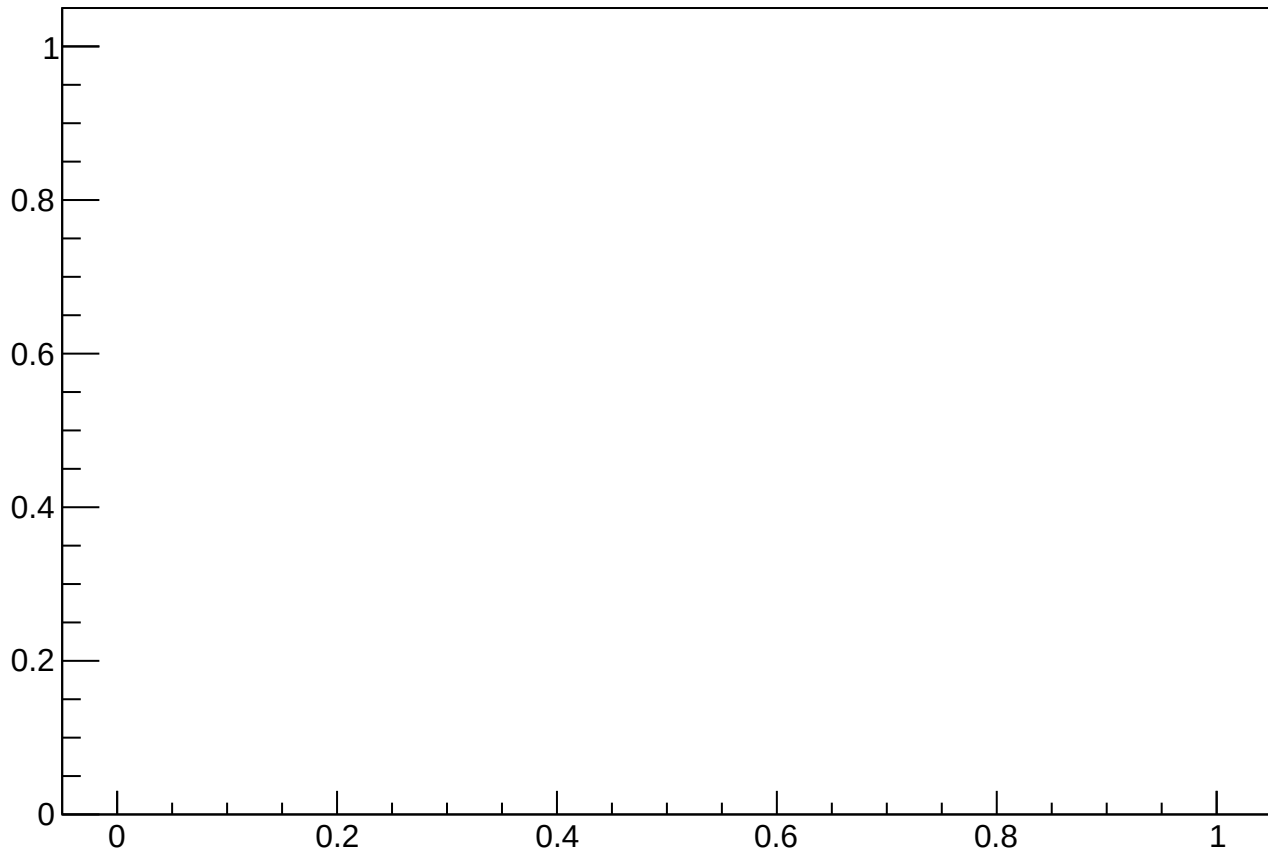
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

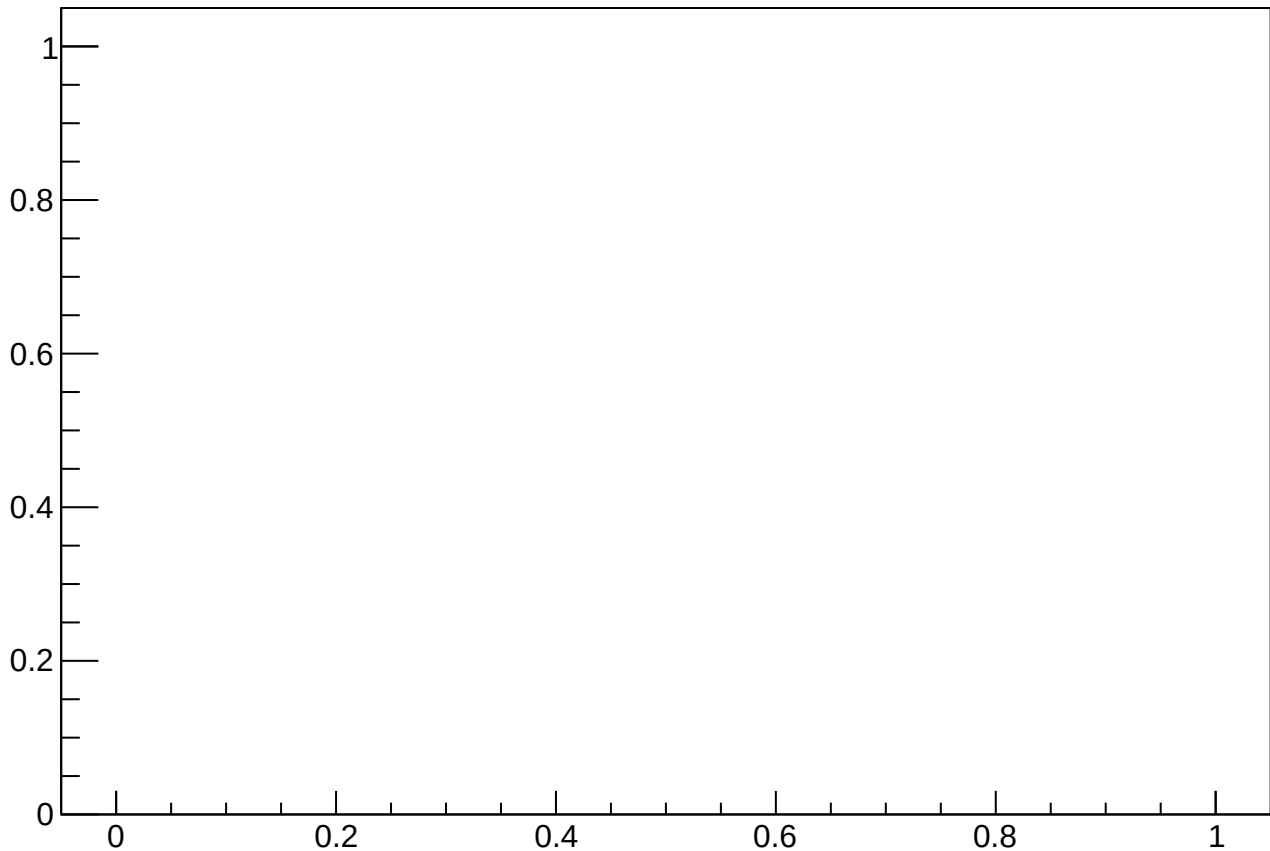
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

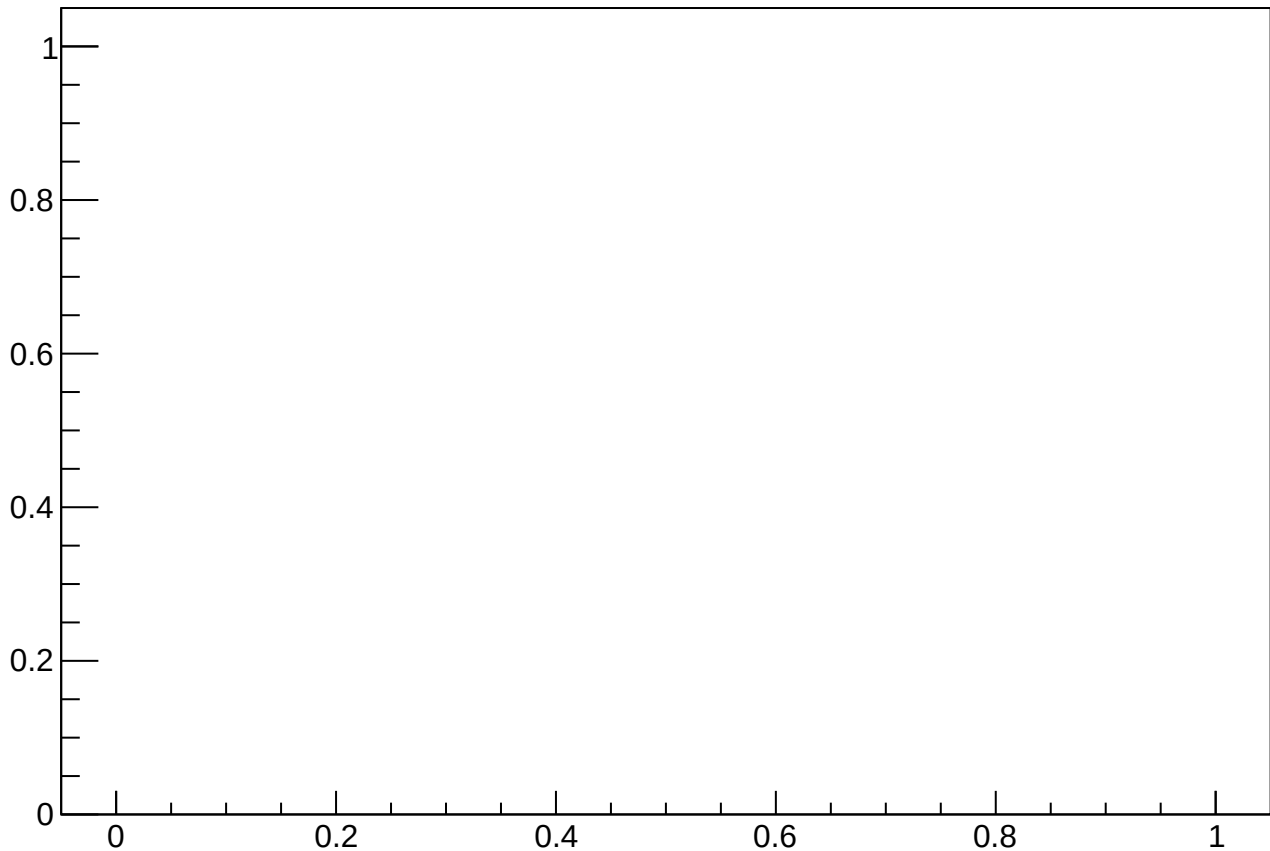
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

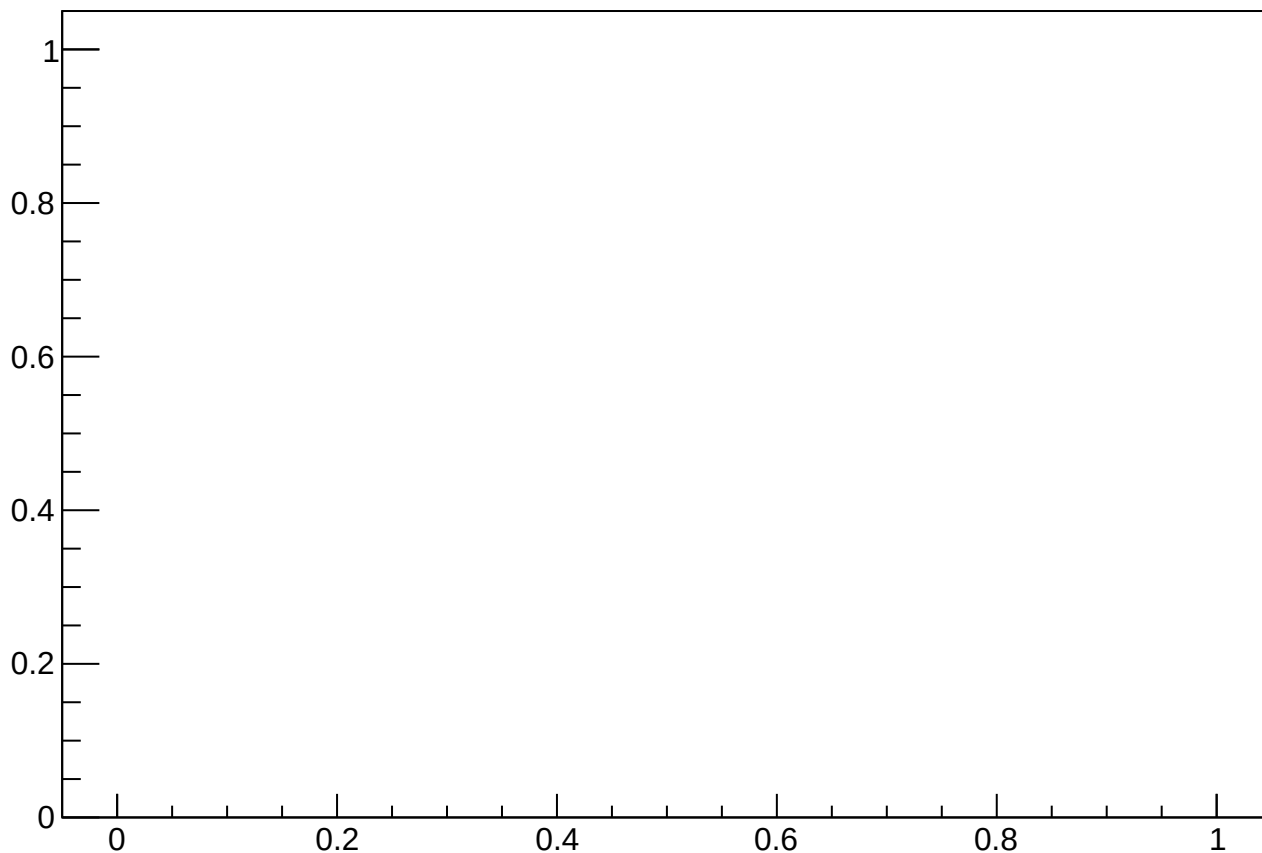
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

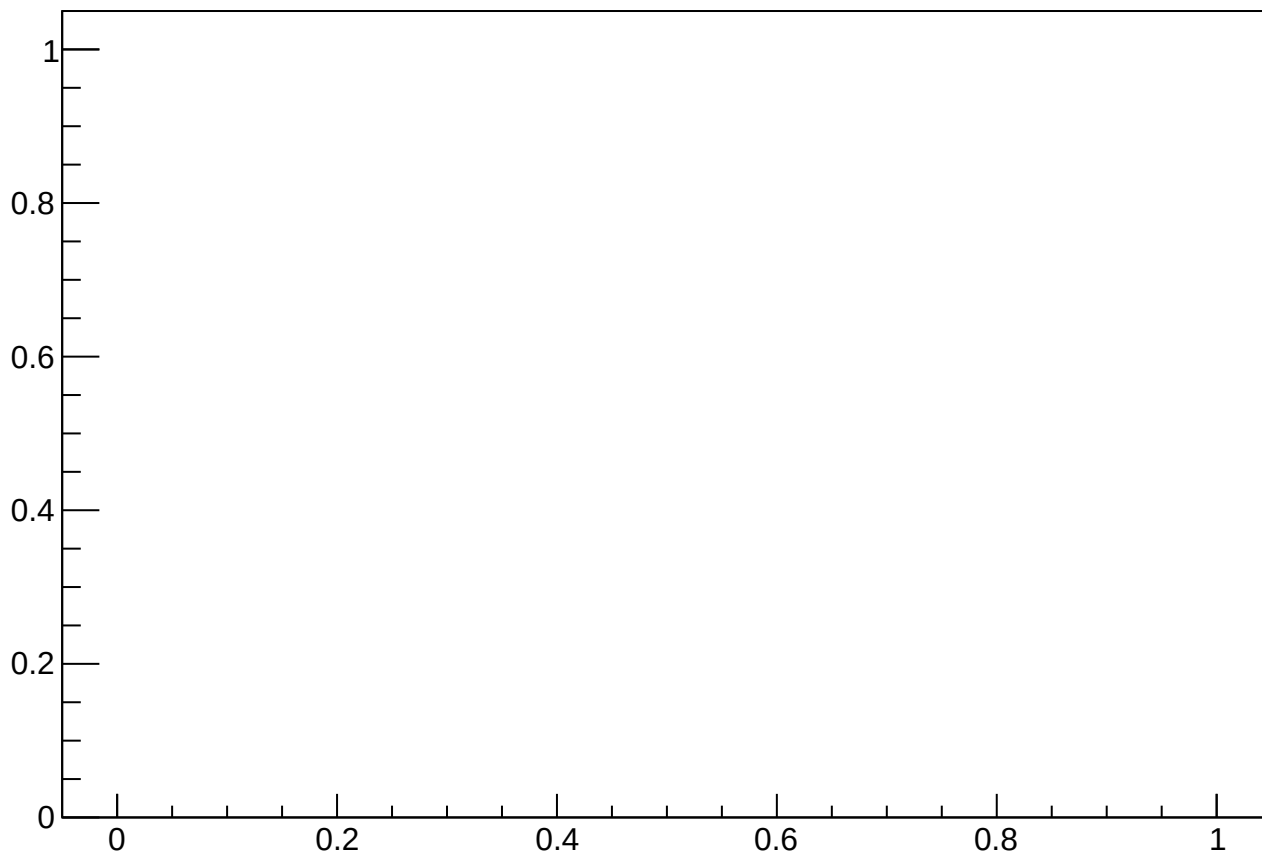
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

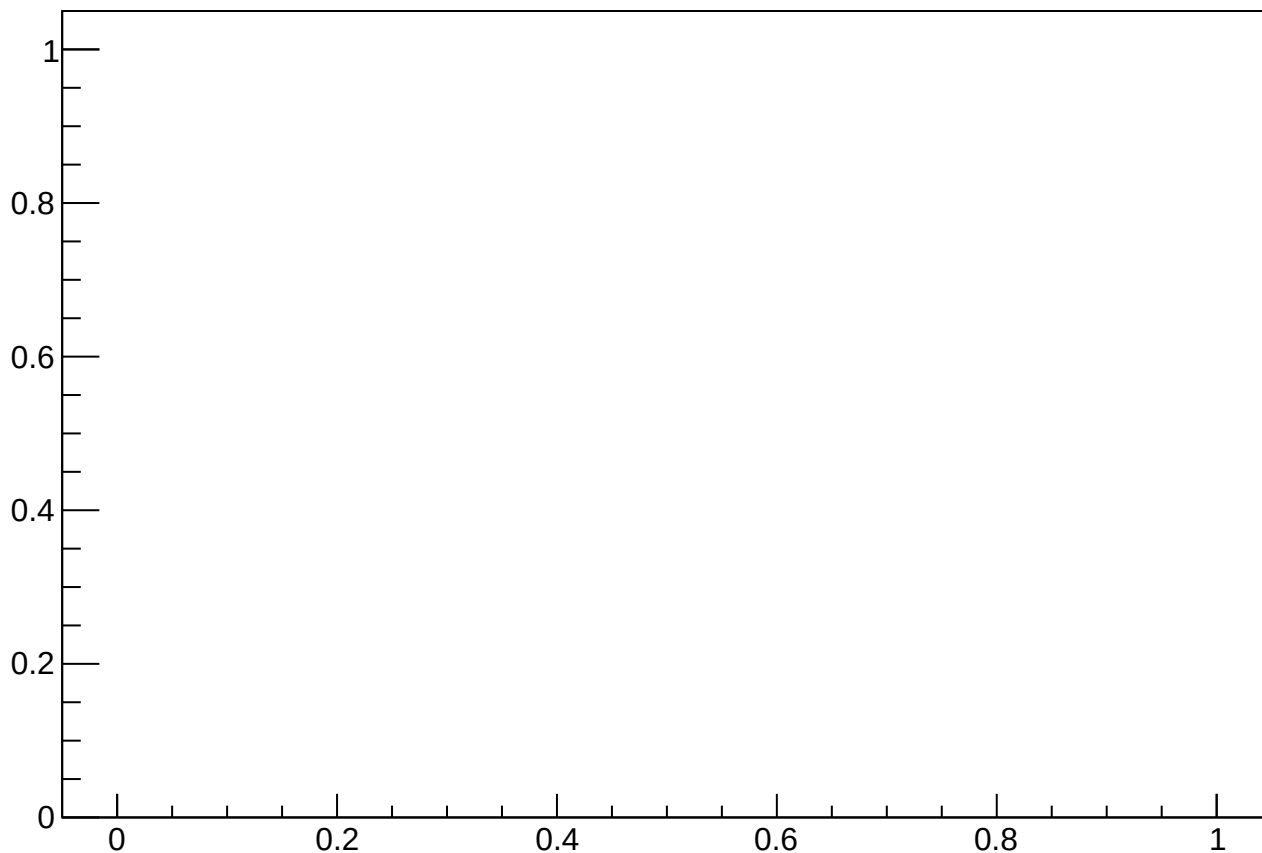
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 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

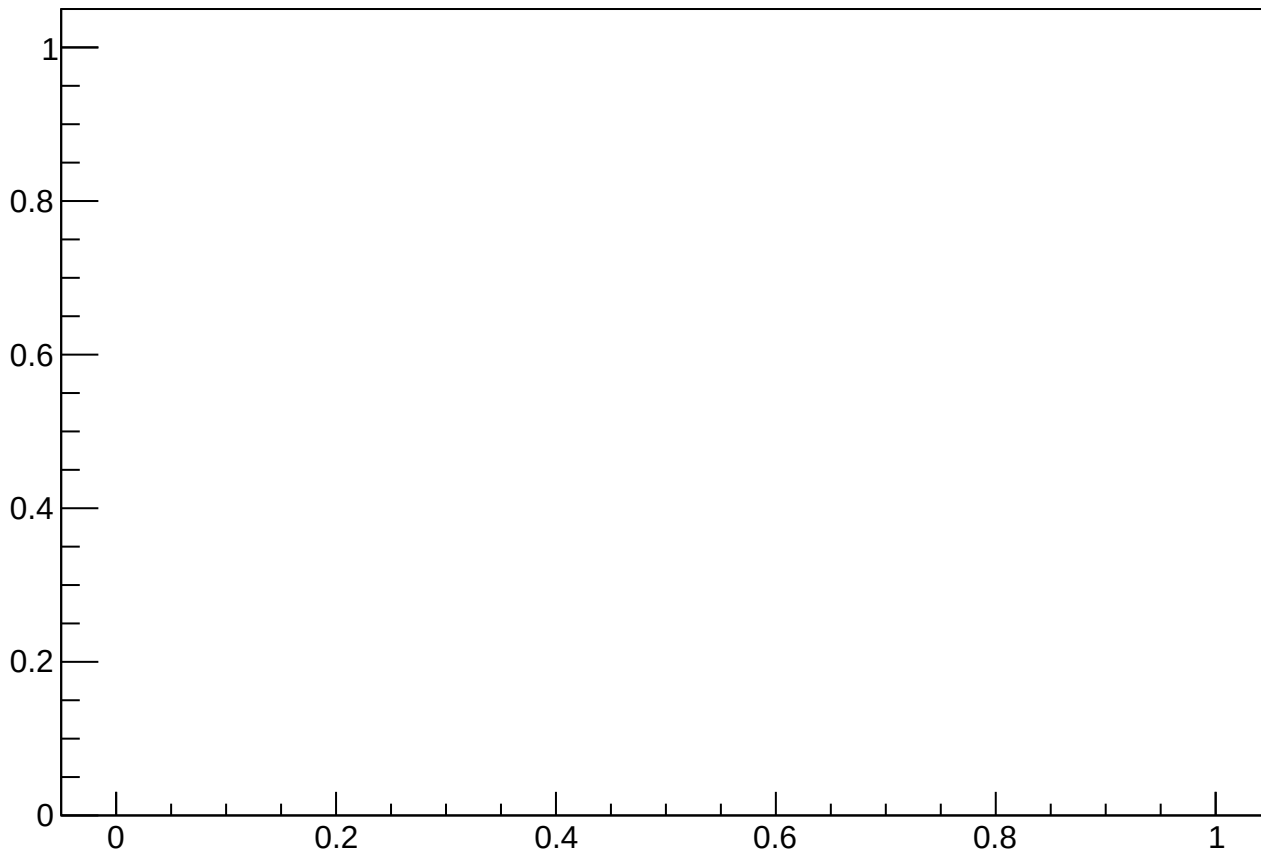
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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\_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

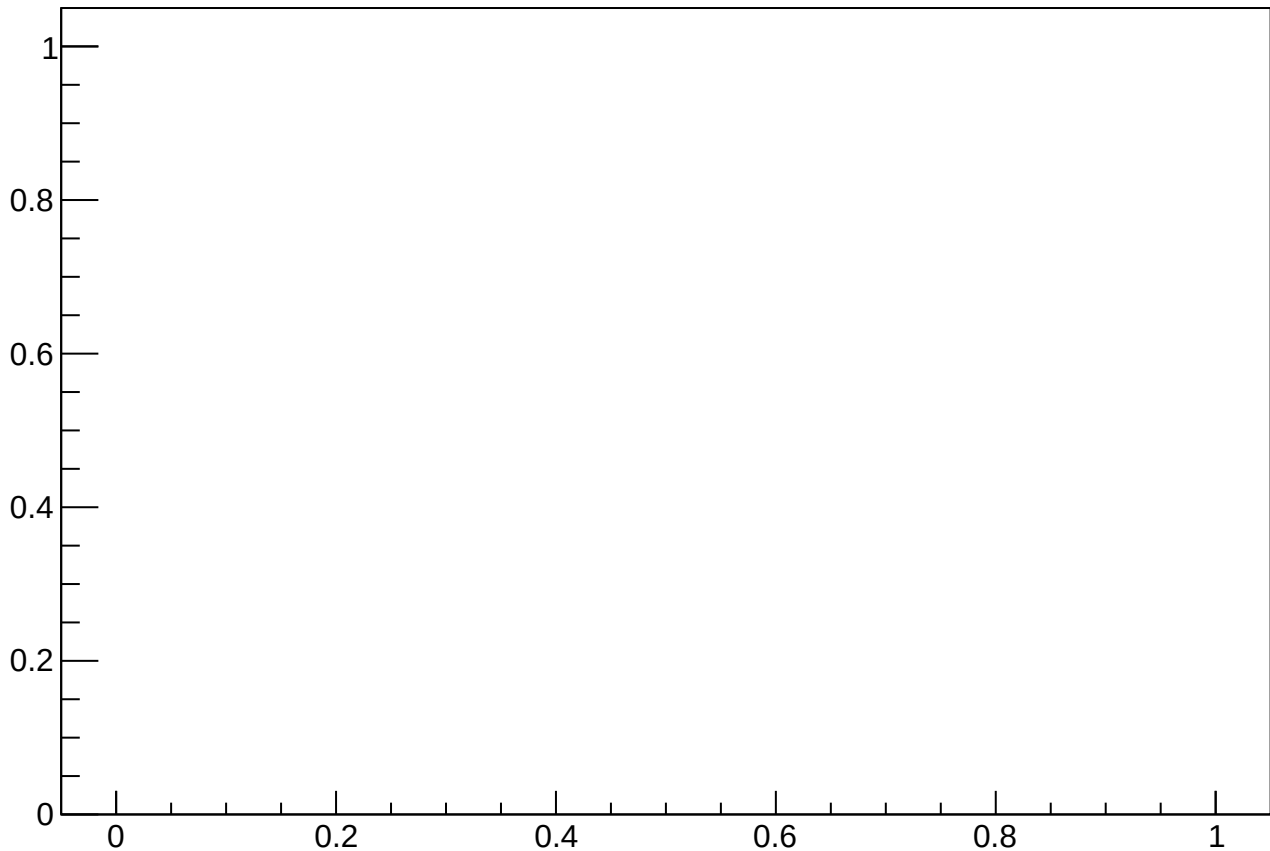
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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

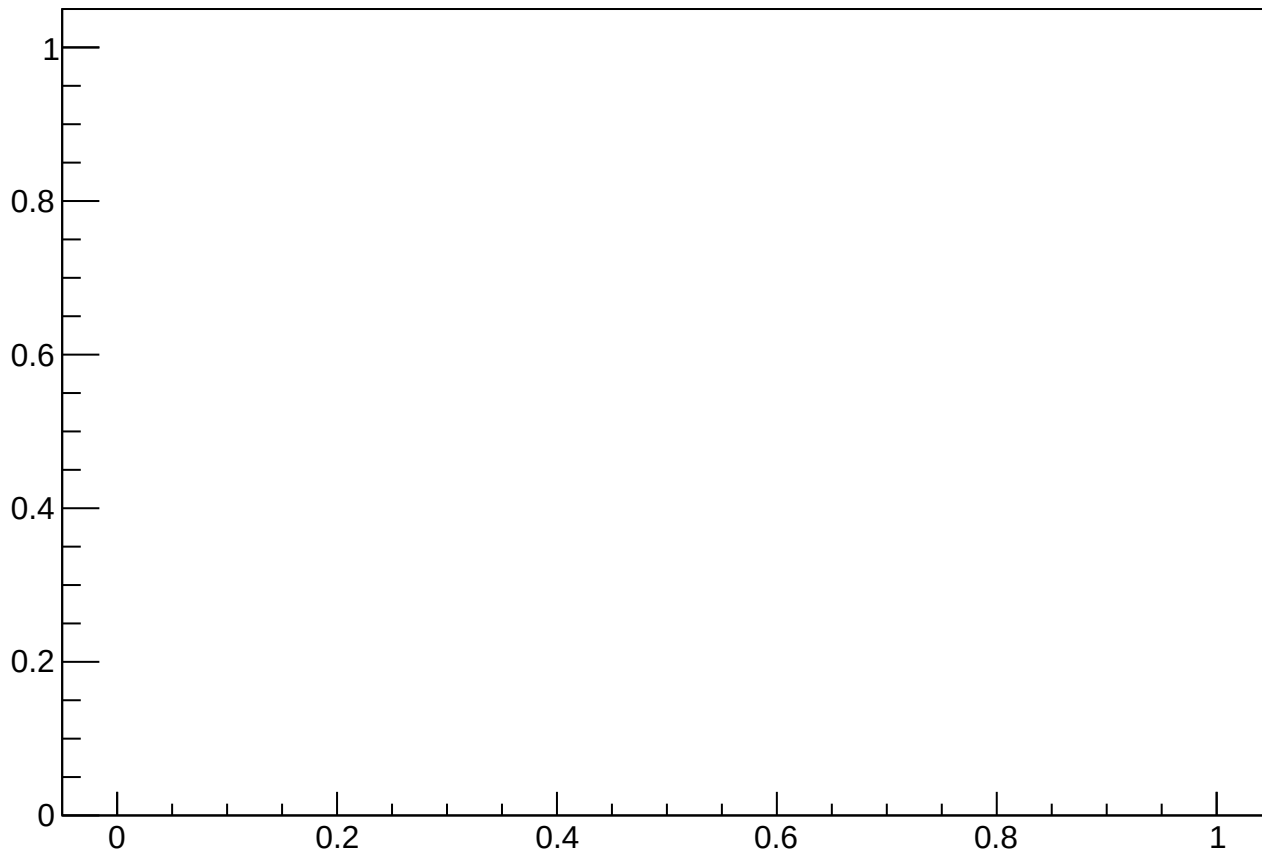
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

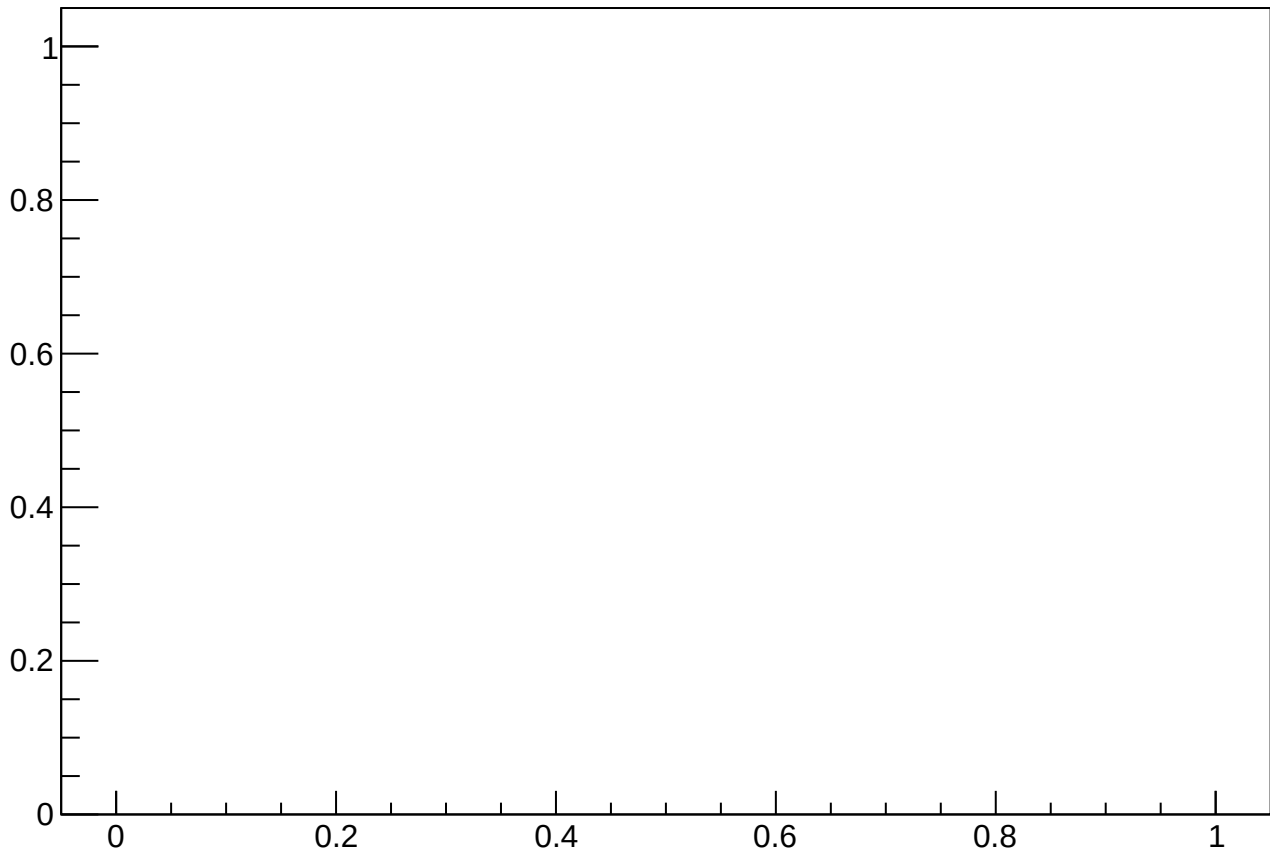
# dit\_run\_mean vs Slug, Sign Corrected



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

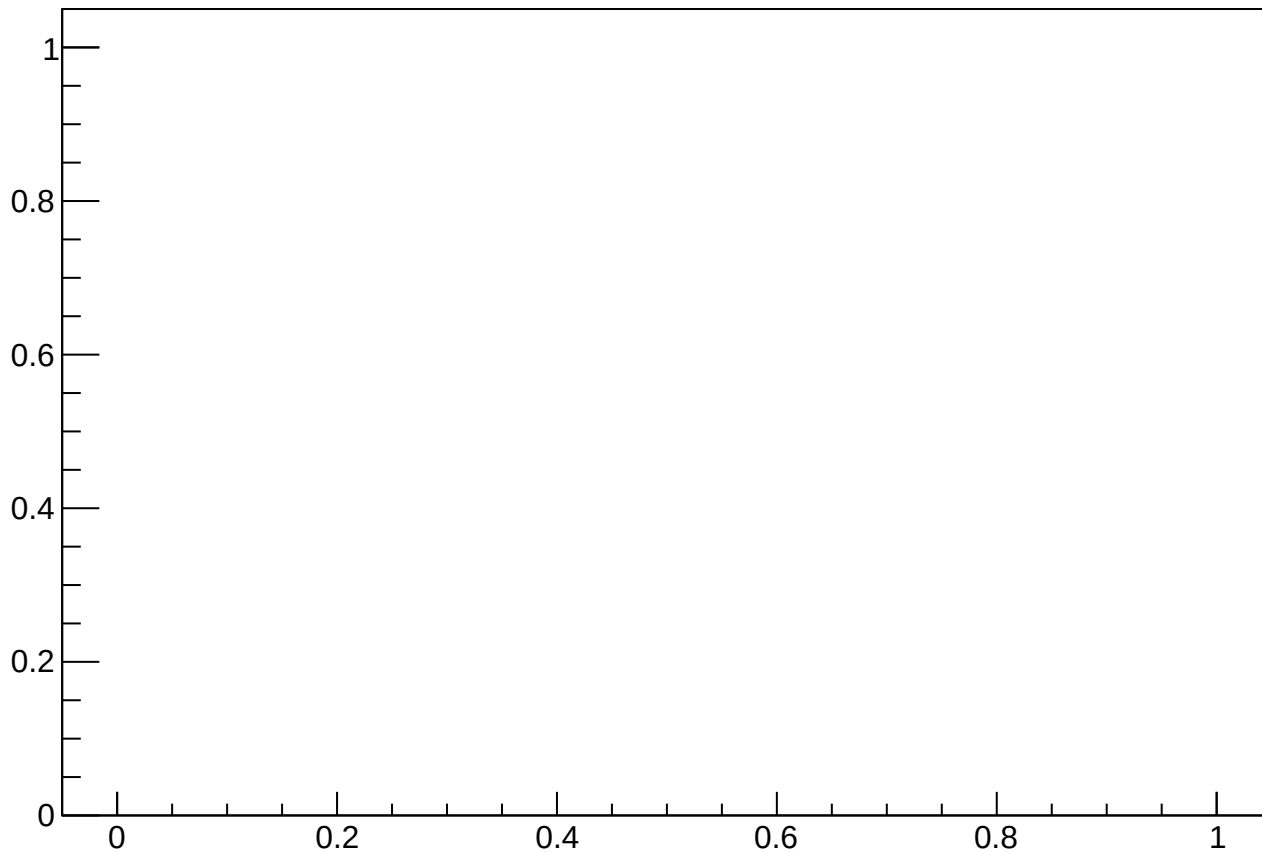
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

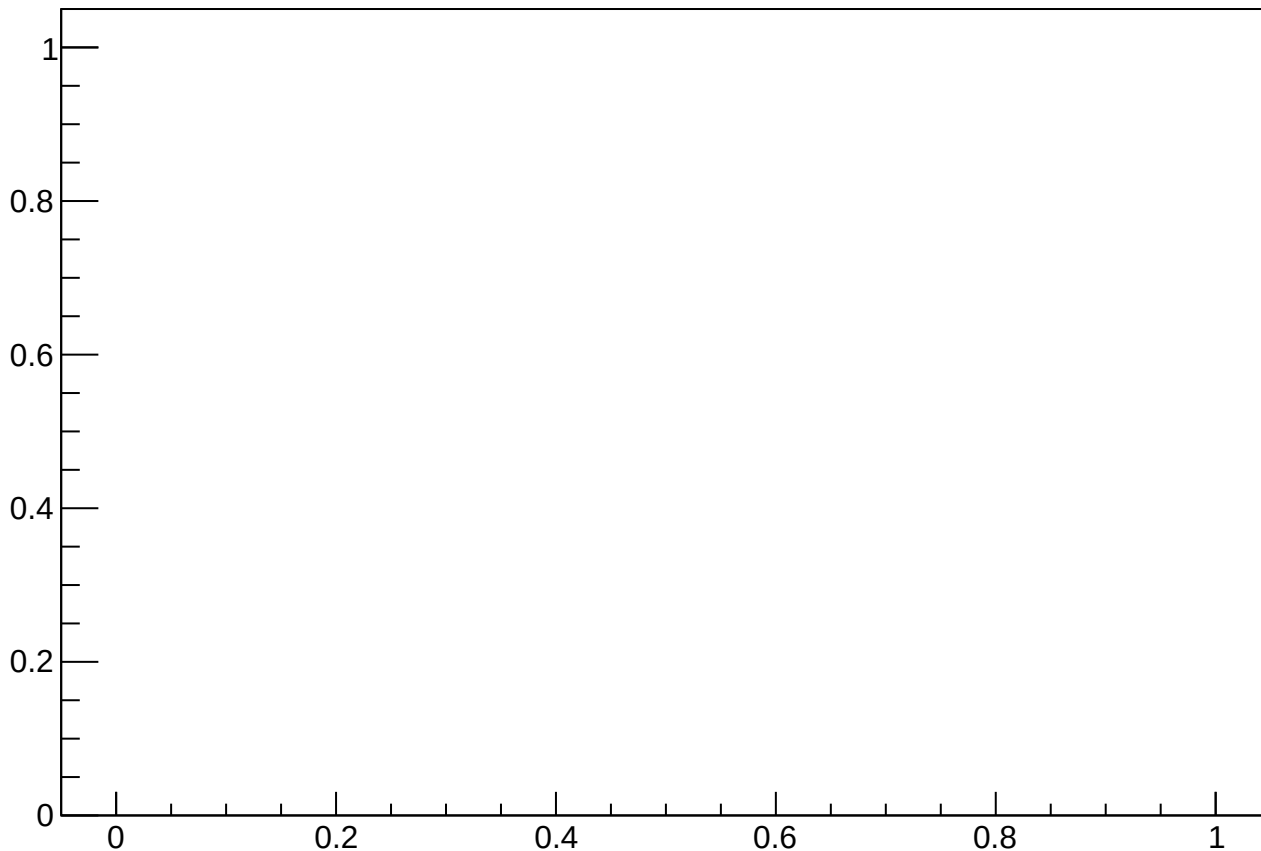
# dit\_slug\_slope vs Slug, Sign Corrected



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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

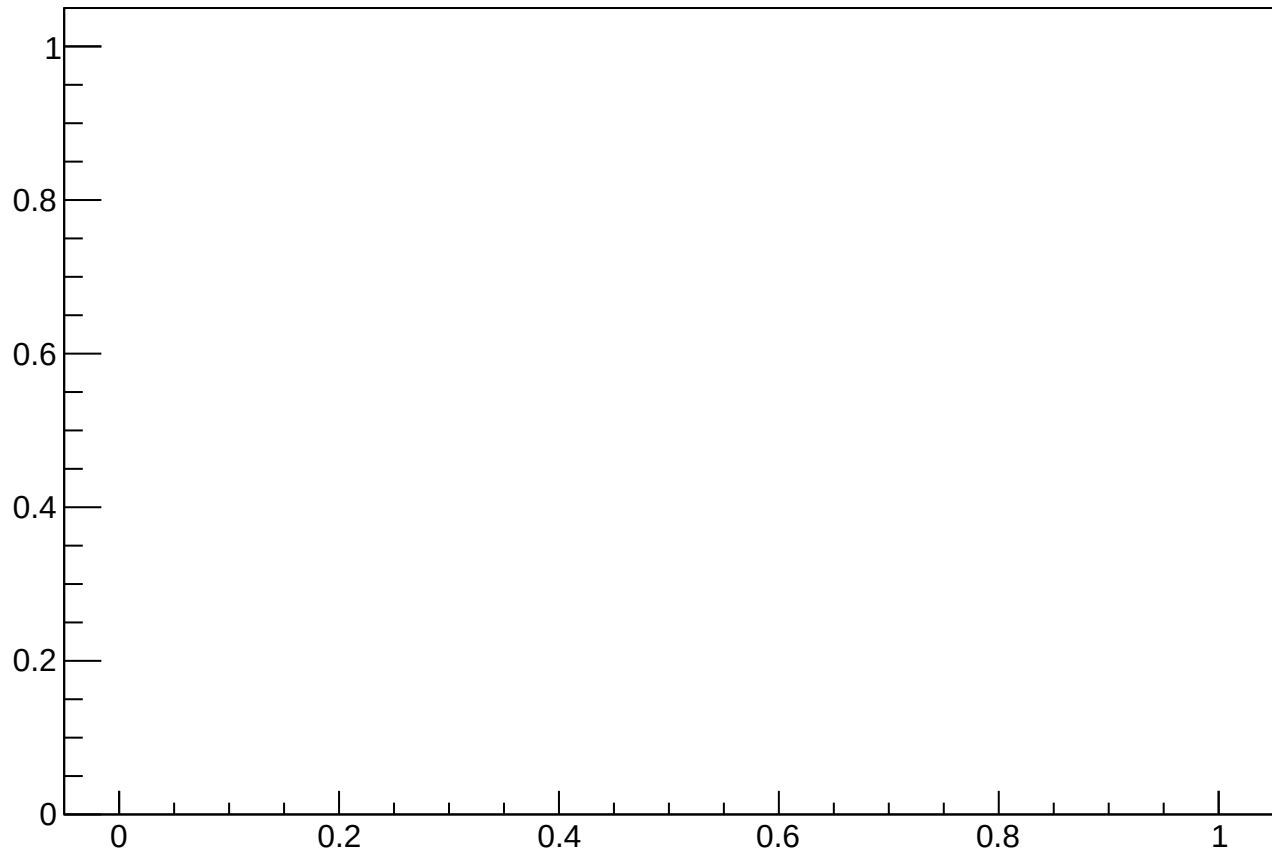
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 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  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Out: 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\_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

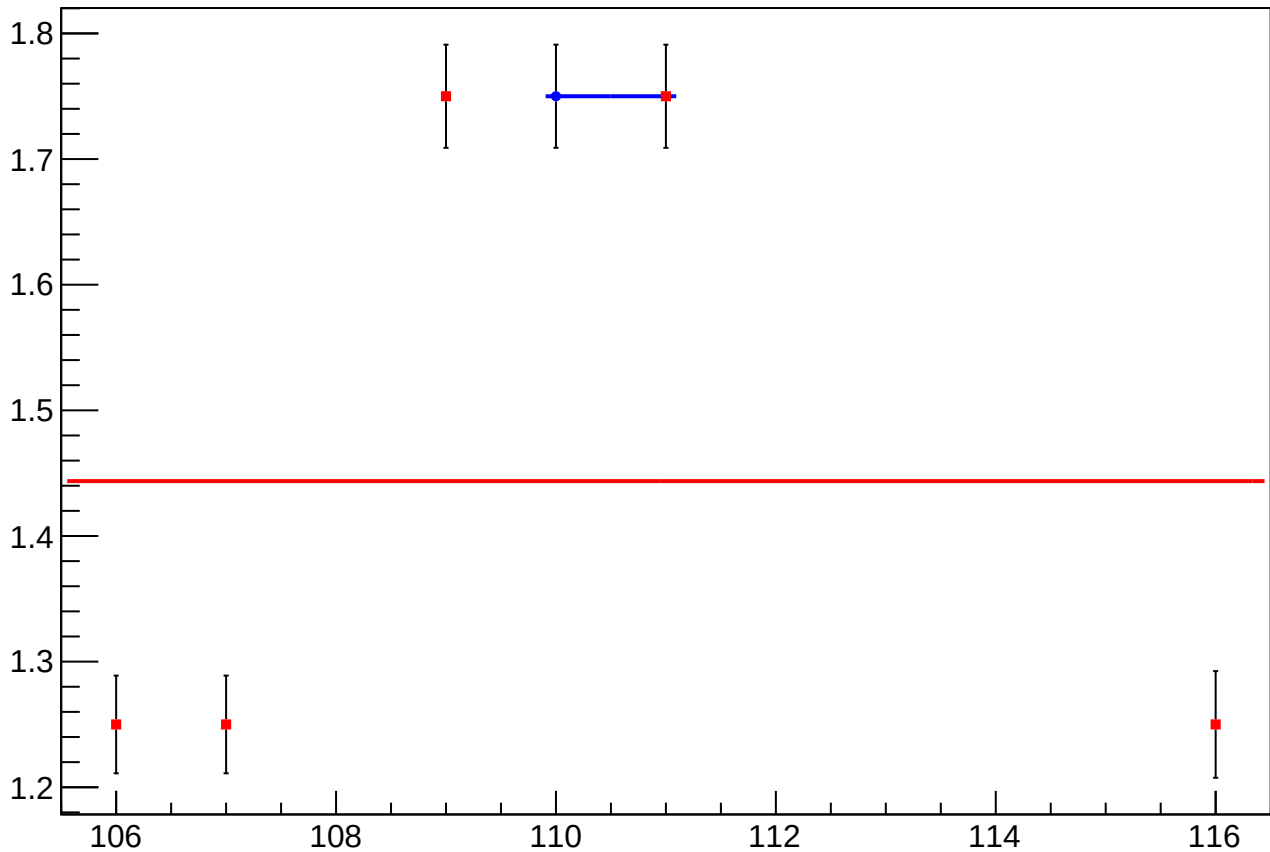
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_segment\_slope vs Slug, Sign Corrected



Right In: 1.750 $\pm$ 0.041  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.444 $\pm$ 0.018  $\chi^2$ /NDF: 181.8/4

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

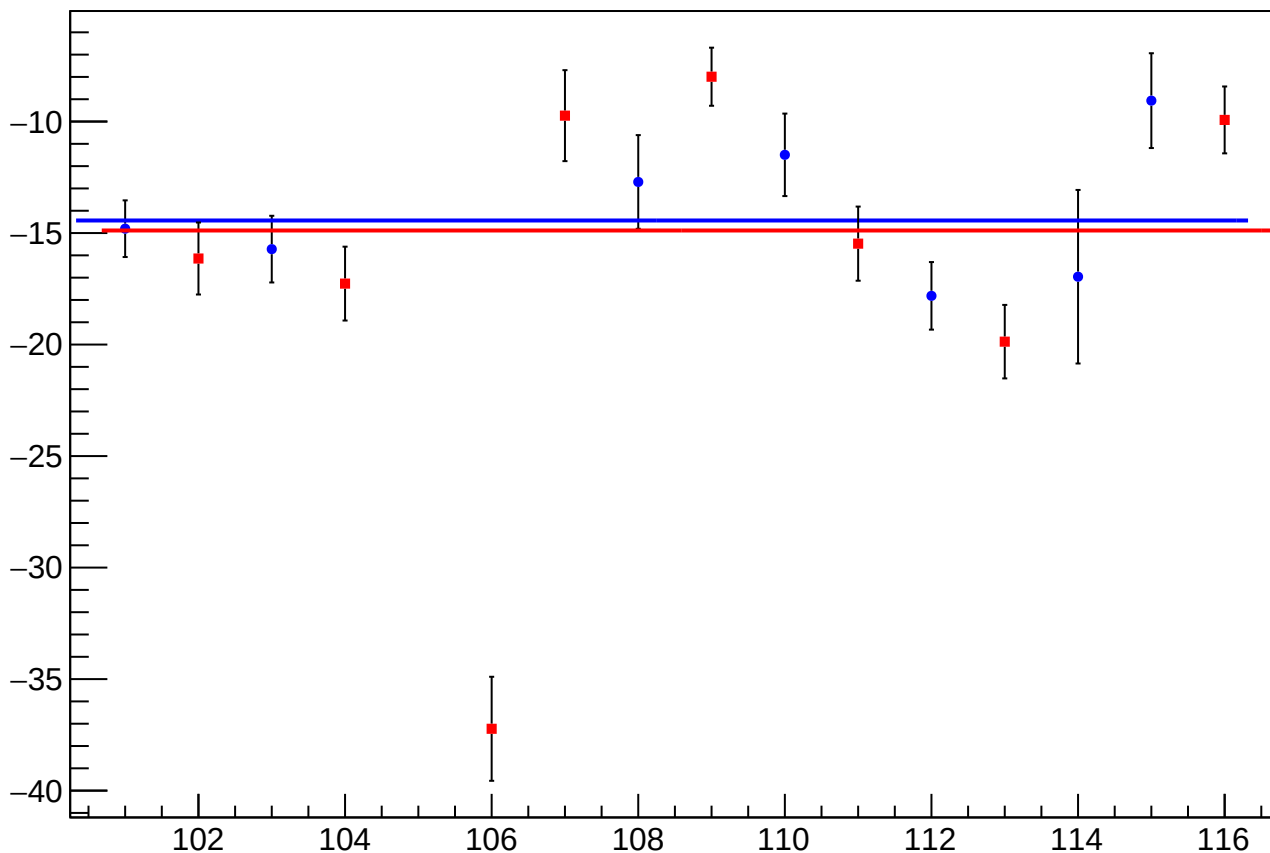
Right: 1.493 $\pm$ 0.017  $\chi^2$ /NDF: 228.4/5

In: 1.750 $\pm$ 0.041  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.493 $\pm$ 0.017  $\chi^2$ /NDF: 228.4/5

reg\_asym\_sam1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -14.437 $\pm$ 0.658  $\chi^2$ /NDF: 15.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -14.885 $\pm$ 0.583  $\chi^2$ /NDF: 149.1/7

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: -14.688 $\pm$ 0.437  $\chi^2$ /NDF: 165.1/14

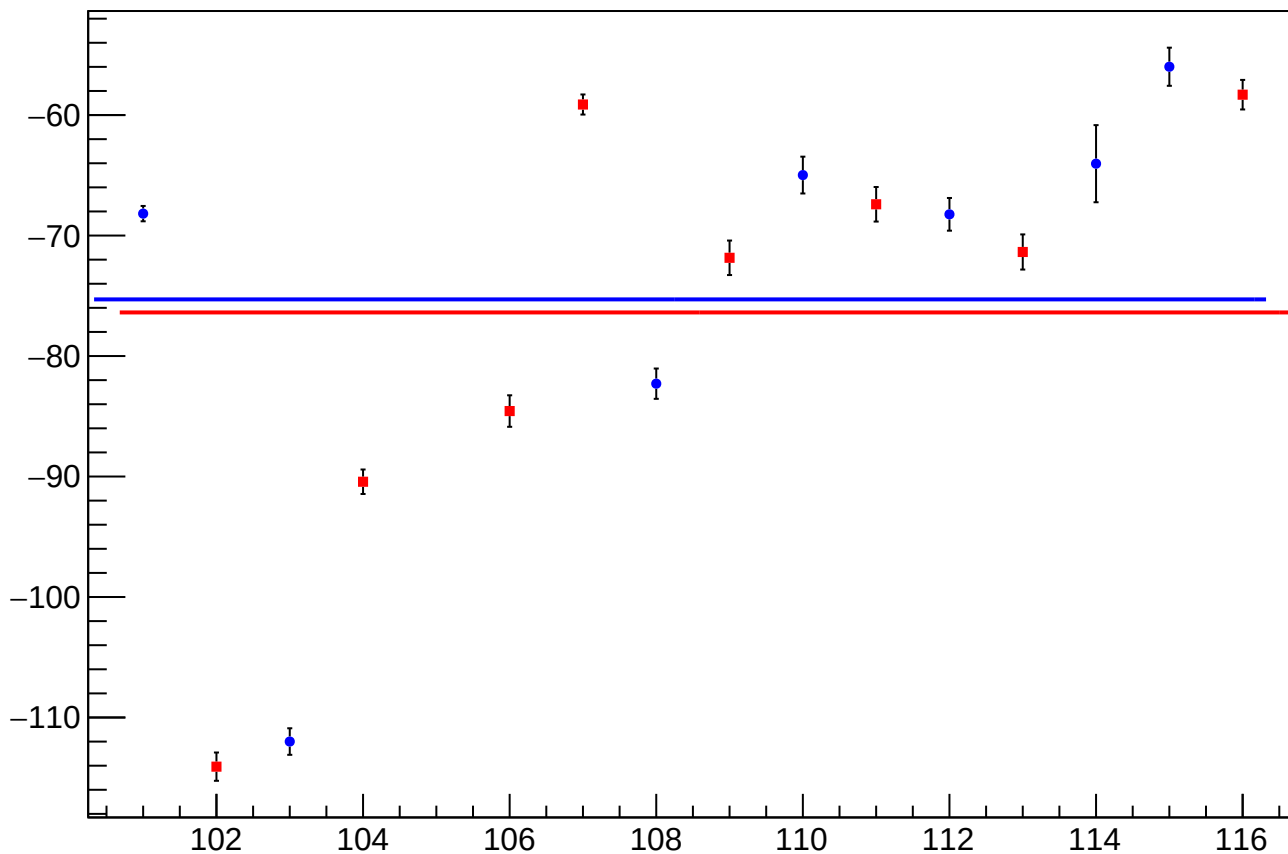
In: -14.437 $\pm$ 0.658  $\chi^2$ /NDF:15.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -14.688 $\pm$ 0.437  $\chi^2$ /NDF: 165.1/14



reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-75.299 \pm 0.431$   $\chi^2/\text{NDF}$ : 1498.5/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-76.382 \pm 0.414$   $\chi^2/\text{NDF}$ : 1968.3/7

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

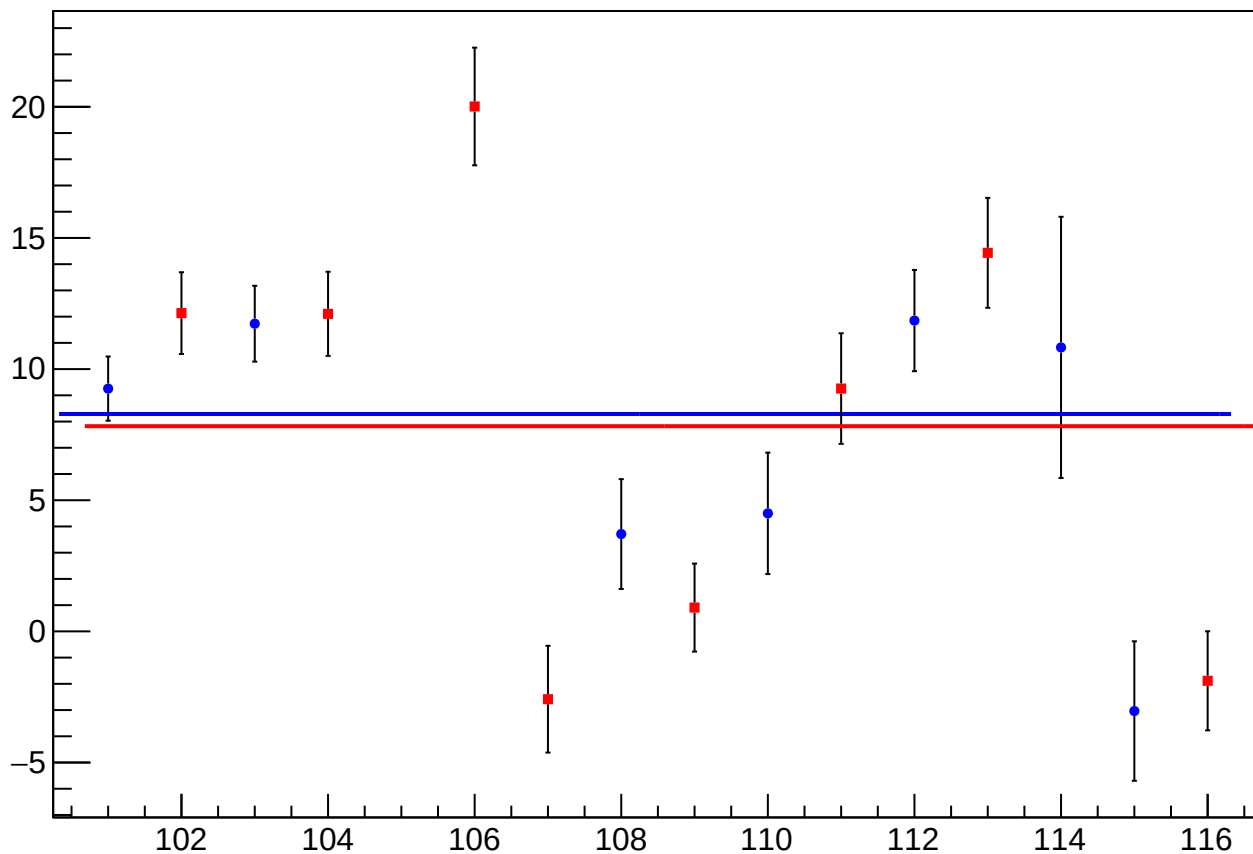
Right:  $-75.861 \pm 0.299$   $\chi^2/\text{NDF}$ : 3470.0/14

In:  $-75.299 \pm 0.431$   $\chi^2/\text{NDF}$ : 1498.5/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-75.861 \pm 0.299$   $\chi^2/\text{NDF}$ : 3470.0/14

reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 8.288+/-0.705  $\chi^2/\text{NDF}$ : 35.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.823+/-0.655  $\chi^2/\text{NDF}$ : 124.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

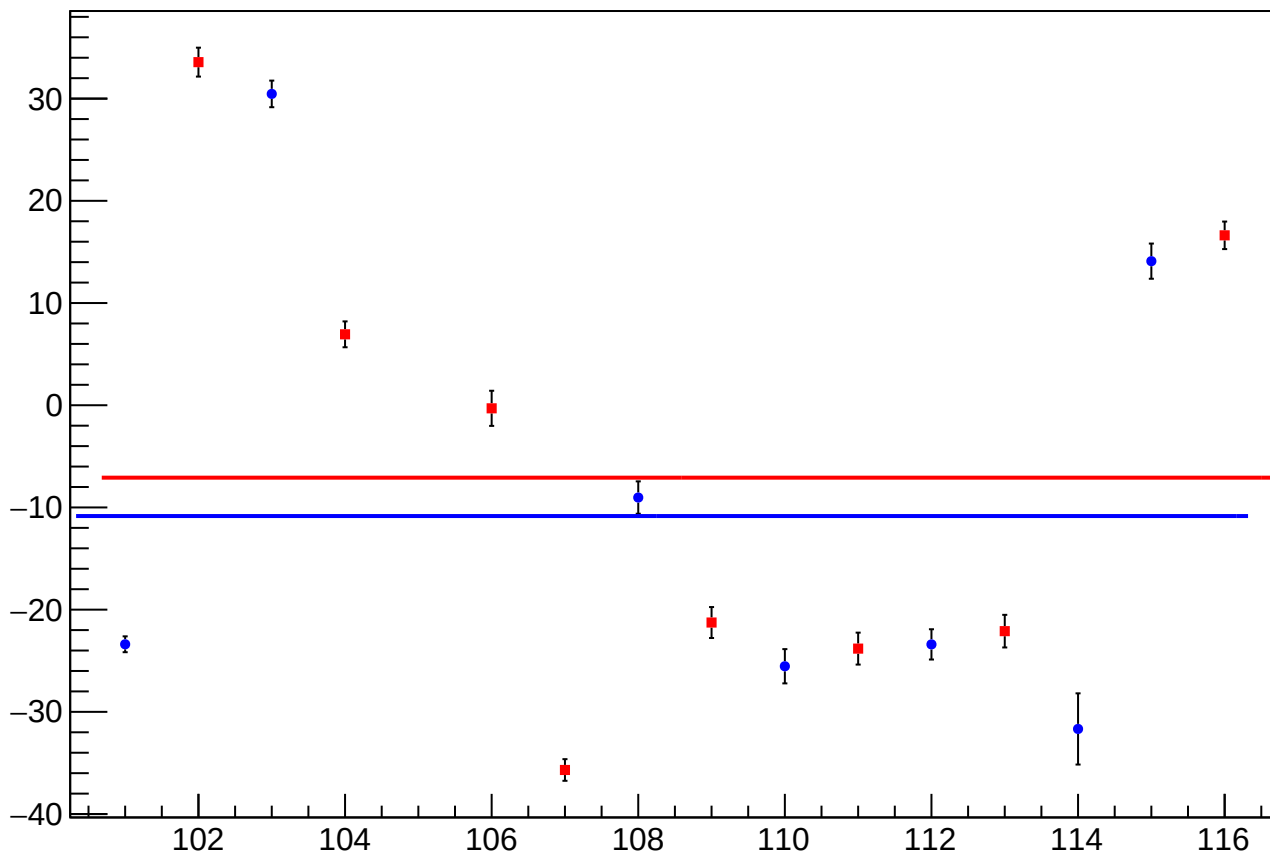
Right: 8.038+/-0.480  $\chi^2/\text{NDF}$ : 160.1/14

In: 8.288+/-0.705  $\chi^2/\text{NDF}$ : 35.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.038+/-0.480  $\chi^2/\text{NDF}$ : 160.1/14

reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-10.841 \pm 0.507$   $\chi^2/\text{NDF}$ : 1664.6/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-7.086 \pm 0.491$   $\chi^2/\text{NDF}$ : 2293.6/7

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

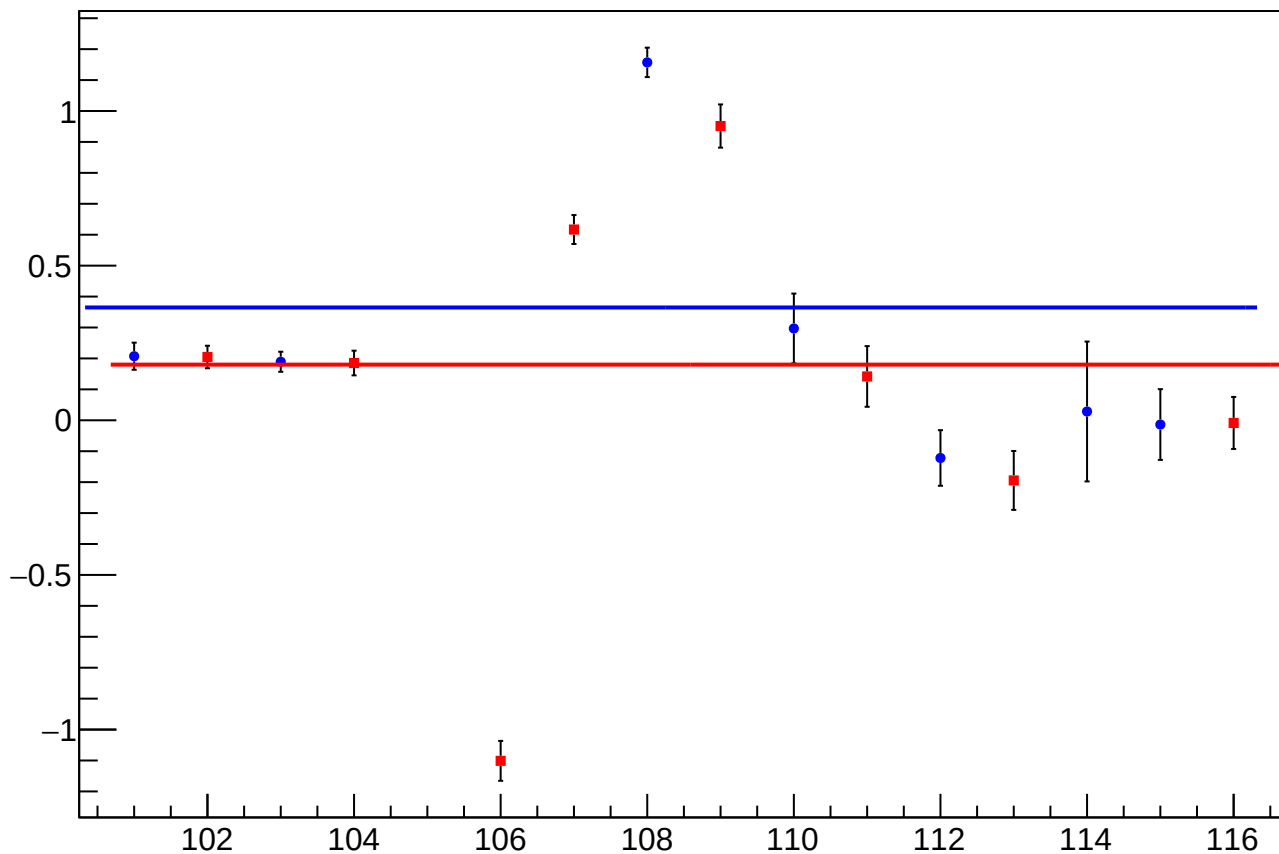
Right:  $-8.903 \pm 0.353$   $\chi^2/\text{NDF}$ : 3986.5/14

In:  $-10.841 \pm 0.507$   $\chi^2/\text{NDF}$ : 1664.6/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-8.903 \pm 0.353$   $\chi^2/\text{NDF}$ : 3986.5/14

reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.365+/-0.021  $\chi^2/\text{NDF}$ : 362.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.180+/-0.019  $\chi^2/\text{NDF}$ : 624.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

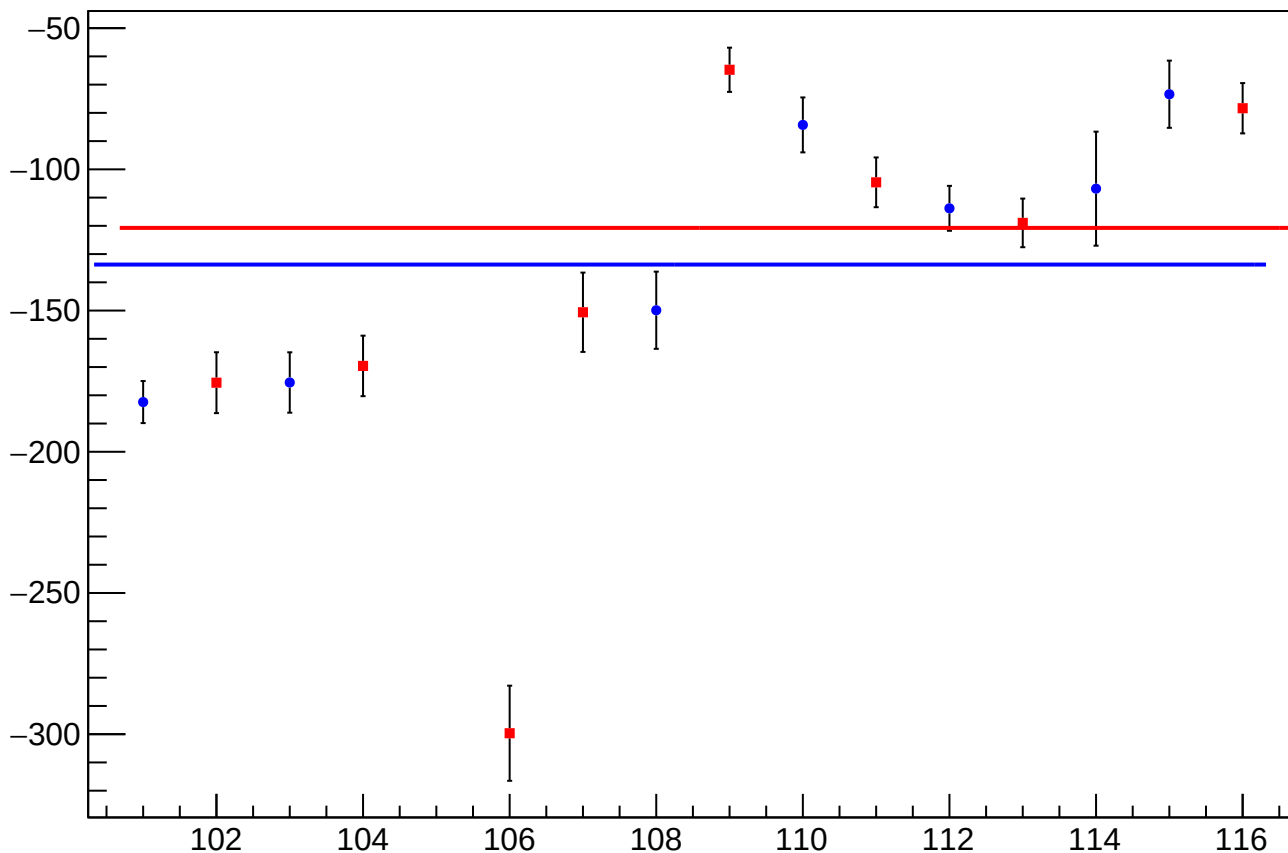
Right: 0.264+/-0.014  $\chi^2/\text{NDF}$ : 1028.1/14

In: 0.365+/-0.021  $\chi^2/\text{NDF}$ : 362.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.264+/-0.014  $\chi^2/\text{NDF}$ : 1028.1/14

reg\_asym\_sam2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -133.712+/-3.833  $\chi^2/\text{NDF}$ : 119.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -120.728+/-3.508  $\chi^2/\text{NDF}$ : 241.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

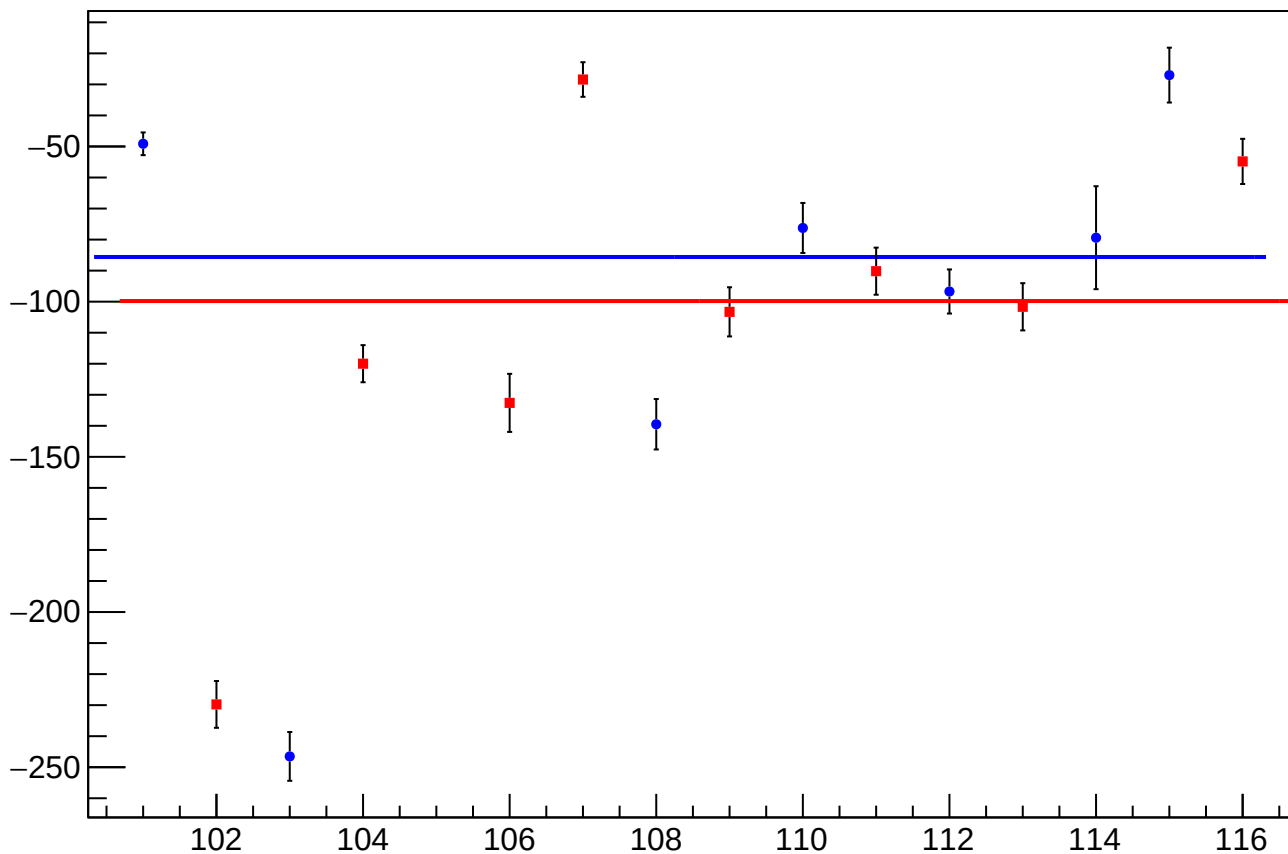
Right: -126.647+/-2.588  $\chi^2/\text{NDF}$ : 366.6/14

In: -133.712+/-3.833  $\chi^2/\text{NDF}$ : 119.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -126.647+/-2.588  $\chi^2/\text{NDF}$ : 366.6/14

reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -85.611 $\pm$ 2.519  $\chi^2$ /NDF: 610.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -99.798 $\pm$ 2.510  $\chi^2$ /NDF: 525.3/7

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

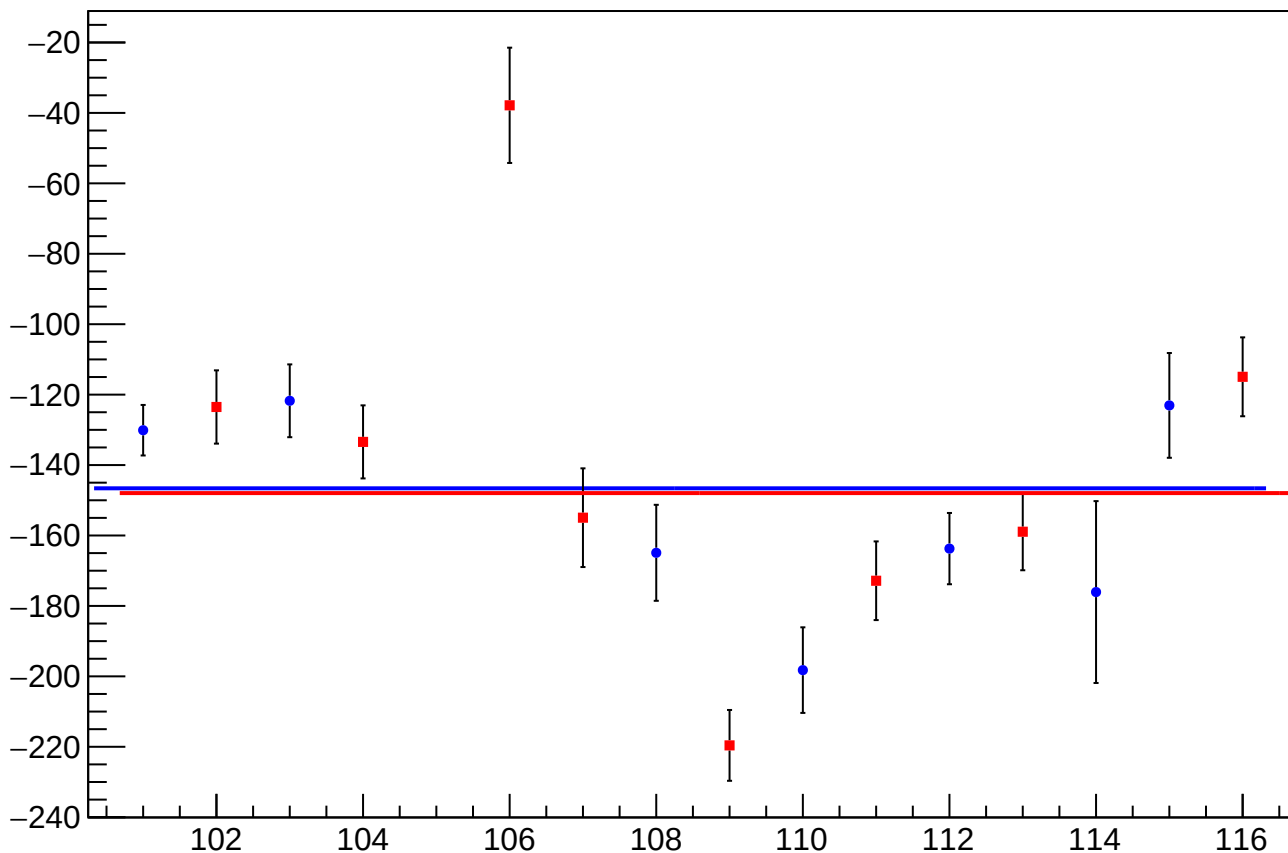
Right: -92.729 $\pm$ 1.778  $\chi^2$ /NDF: 1151.5/14

In: -85.611 $\pm$ 2.519  $\chi^2$ /NDF:610.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -92.729 $\pm$ 1.778  $\chi^2$ /NDF: 1151.5/14

reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -146.602+/-4.199  $\chi^2/\text{NDF}$ : 37.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -147.958+/-4.030  $\chi^2/\text{NDF}$ : 118.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

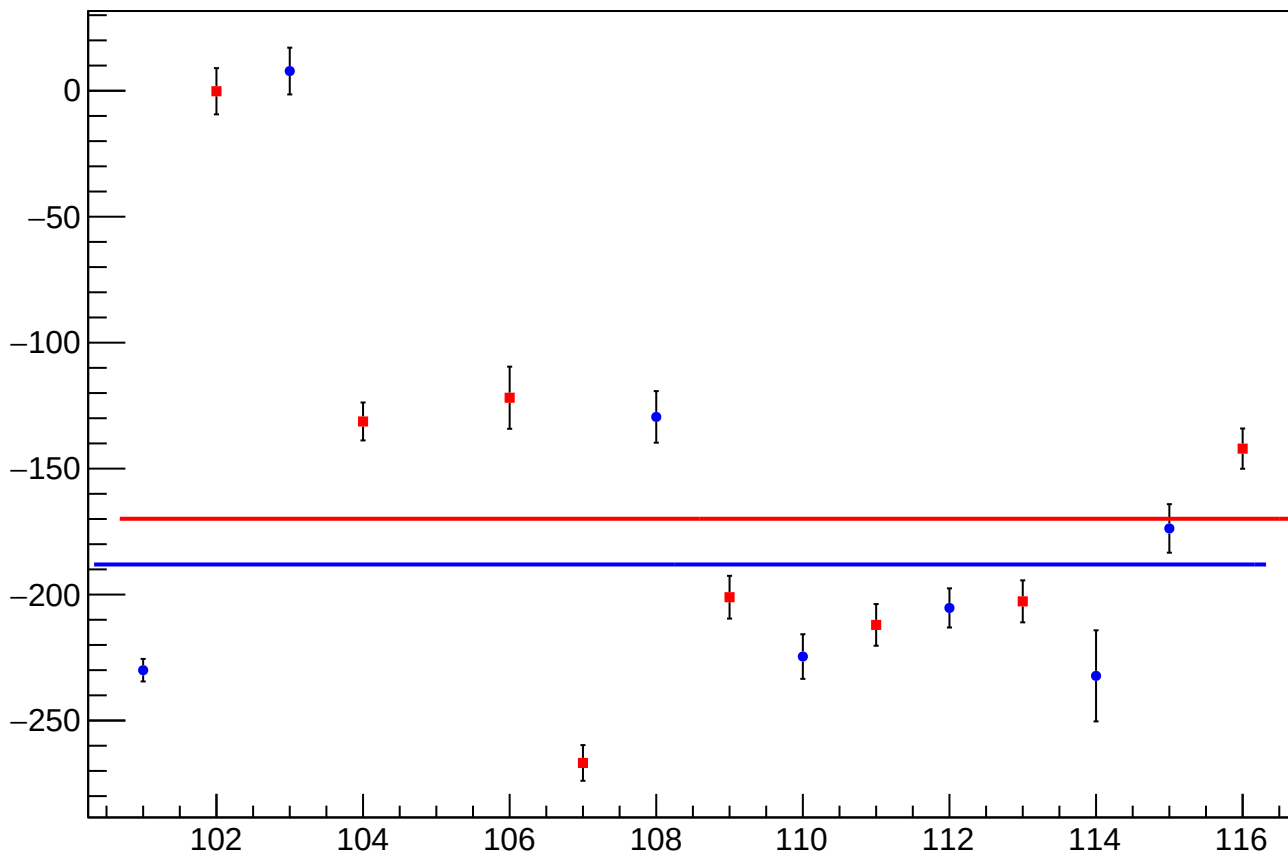
Right: -147.308+/-2.907  $\chi^2/\text{NDF}$ : 156.0/14

In: -146.602+/-4.199  $\chi^2/\text{NDF}$ : 37.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -147.308+/-2.907  $\chi^2/\text{NDF}$ : 156.0/14

reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -188.055+/-2.957  $\chi^2/\text{NDF}$ : 596.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -169.906+/-2.954  $\chi^2/\text{NDF}$ : 637.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -178.971+/-2.090  $\chi^2/\text{NDF}$ : 1252.9/14

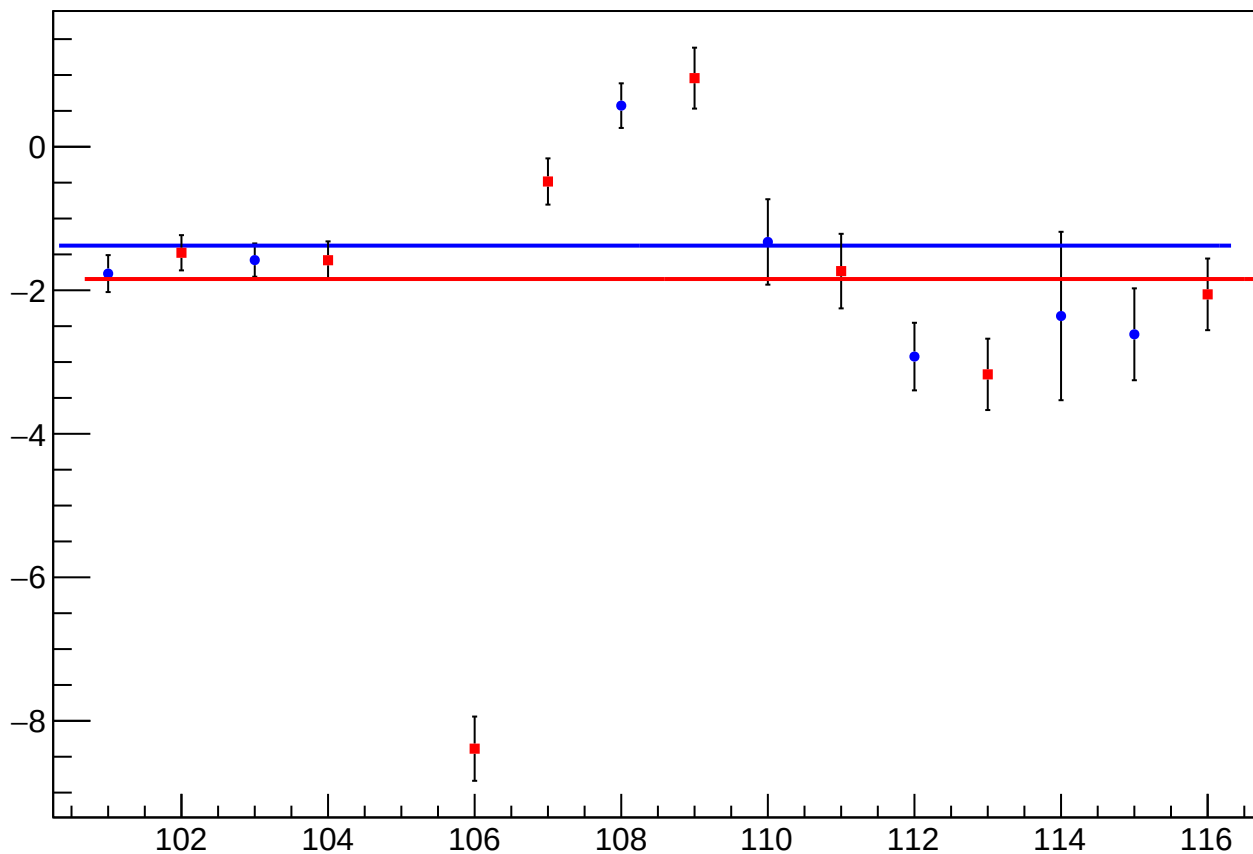
In: -188.055+/-2.957  $\chi^2/\text{NDF}$ : 596.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -178.971+/-2.090  $\chi^2/\text{NDF}$ : 1252.9/14



reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.378+/-0.135  $\chi^2/\text{NDF}$ : 57.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.843+/-0.126  $\chi^2/\text{NDF}$ : 285.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

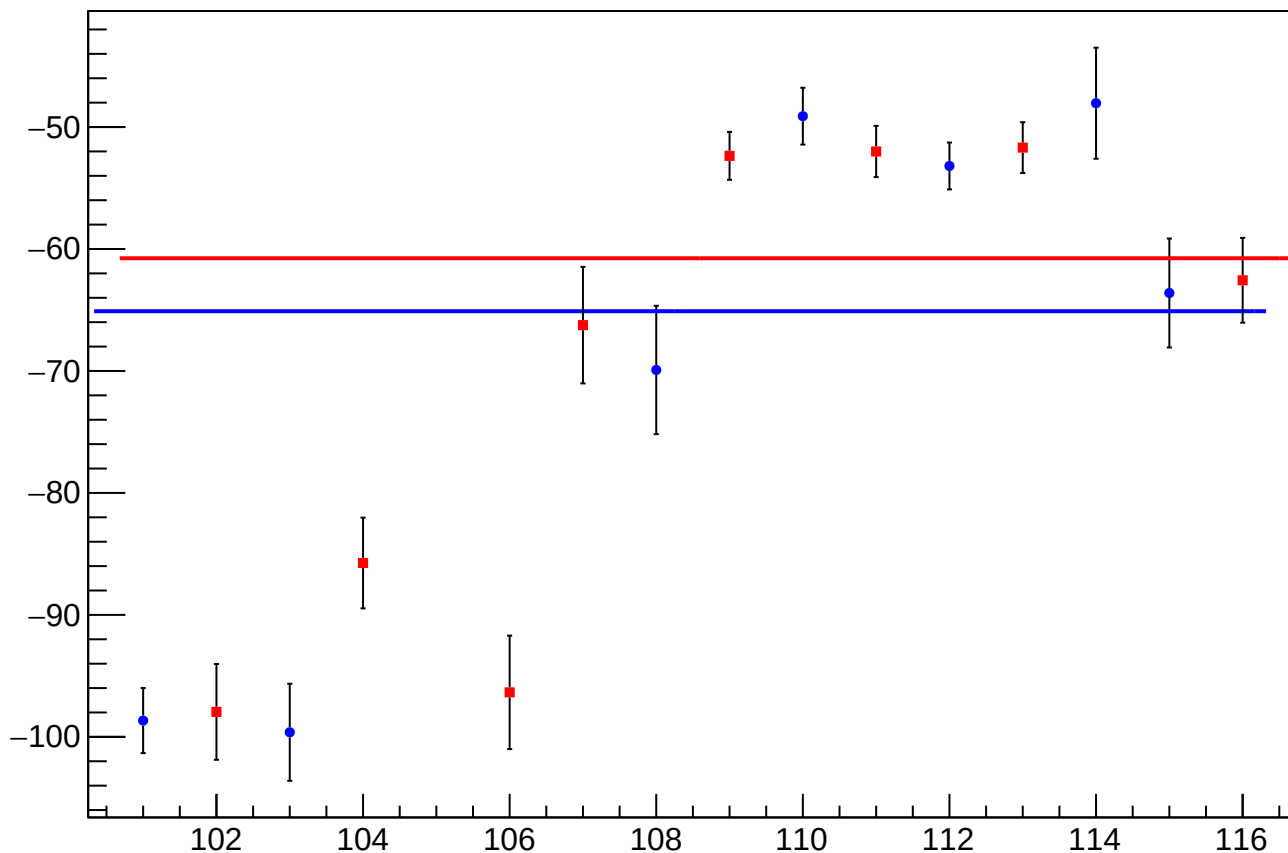
Right: -1.627+/-0.092  $\chi^2/\text{NDF}$ : 349.6/14

In: -1.378+/-0.135  $\chi^2/\text{NDF}$ : 57.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.627+/-0.092  $\chi^2/\text{NDF}$ : 349.6/14

reg\_asym\_sam3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -65.100+/-1.123  $\chi^2/\text{NDF}$ : 334.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -60.759+/-0.987  $\chi^2/\text{NDF}$ : 249.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

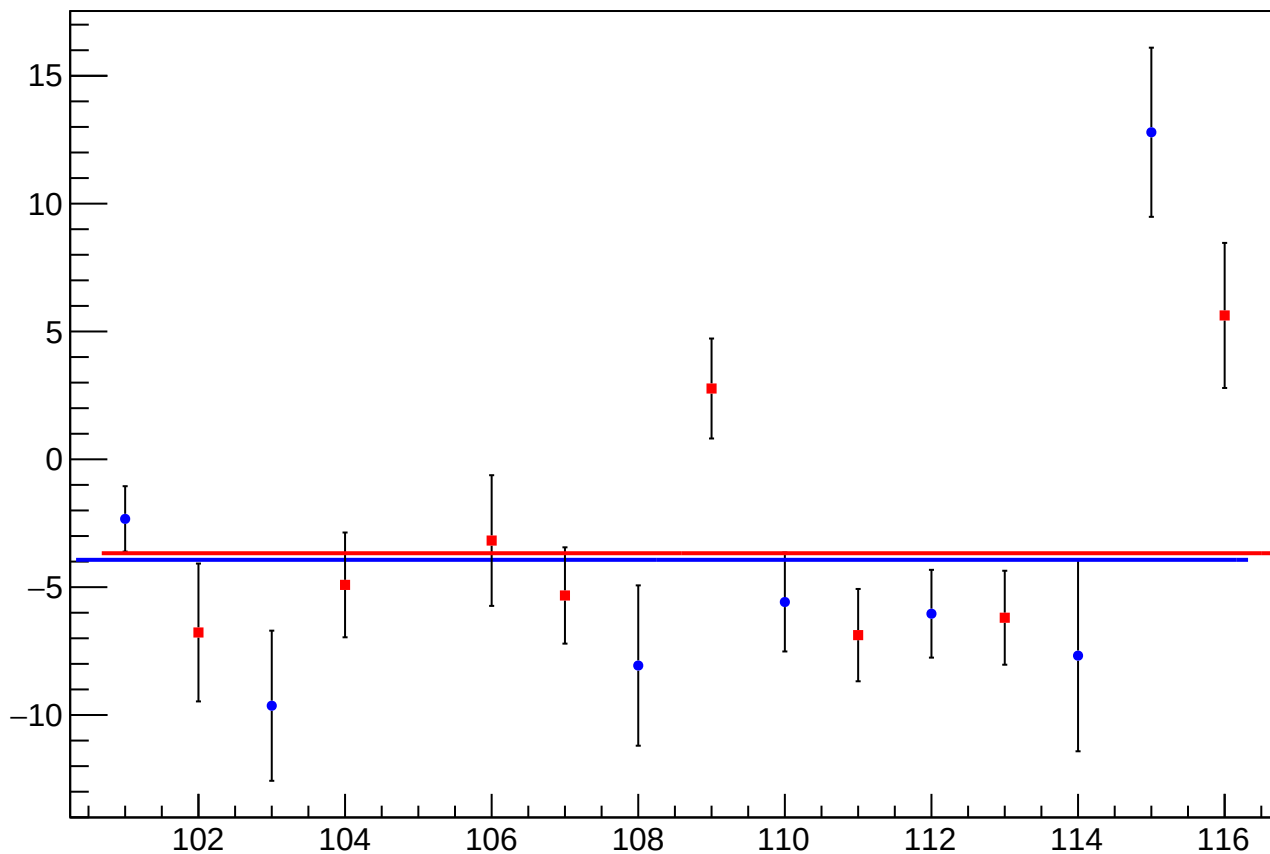
Right: -62.652+/-0.741  $\chi^2/\text{NDF}$ : 592.1/14

In: -65.100+/-1.123  $\chi^2/\text{NDF}$ : 334.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -62.652+/-0.741  $\chi^2/\text{NDF}$ : 592.1/14

reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.931+/-0.791  $\chi^2/\text{NDF}$ : 35.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -3.673+/-0.745  $\chi^2/\text{NDF}$ : 29.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

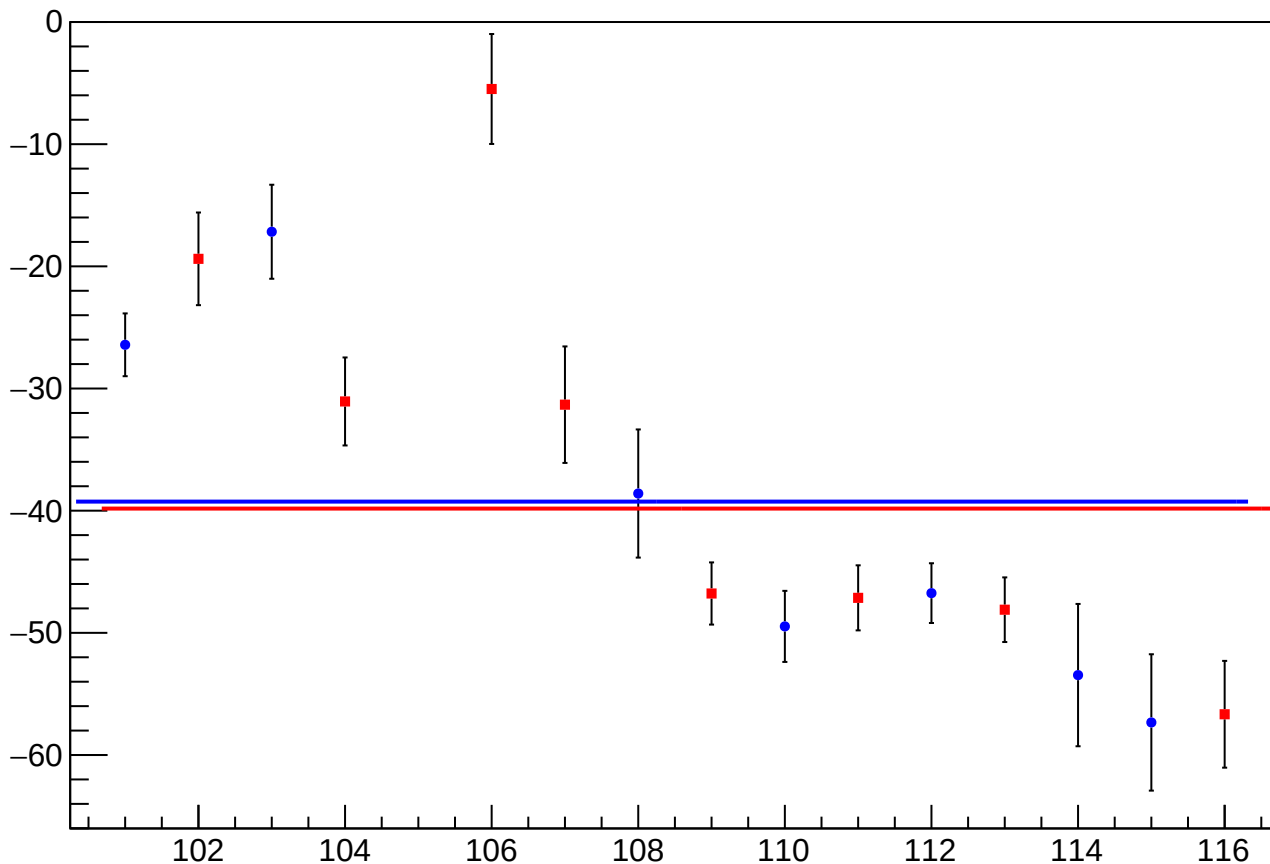
Right: -3.794+/-0.542  $\chi^2/\text{NDF}$ : 65.1/14

In: -3.931+/-0.791  $\chi^2/\text{NDF}$ :35.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -3.794+/-0.542  $\chi^2/\text{NDF}$ : 65.1/14

reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -39.257+/-1.289  $\chi^2/\text{NDF}$ : 96.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -39.828+/-1.170  $\chi^2/\text{NDF}$ : 136.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

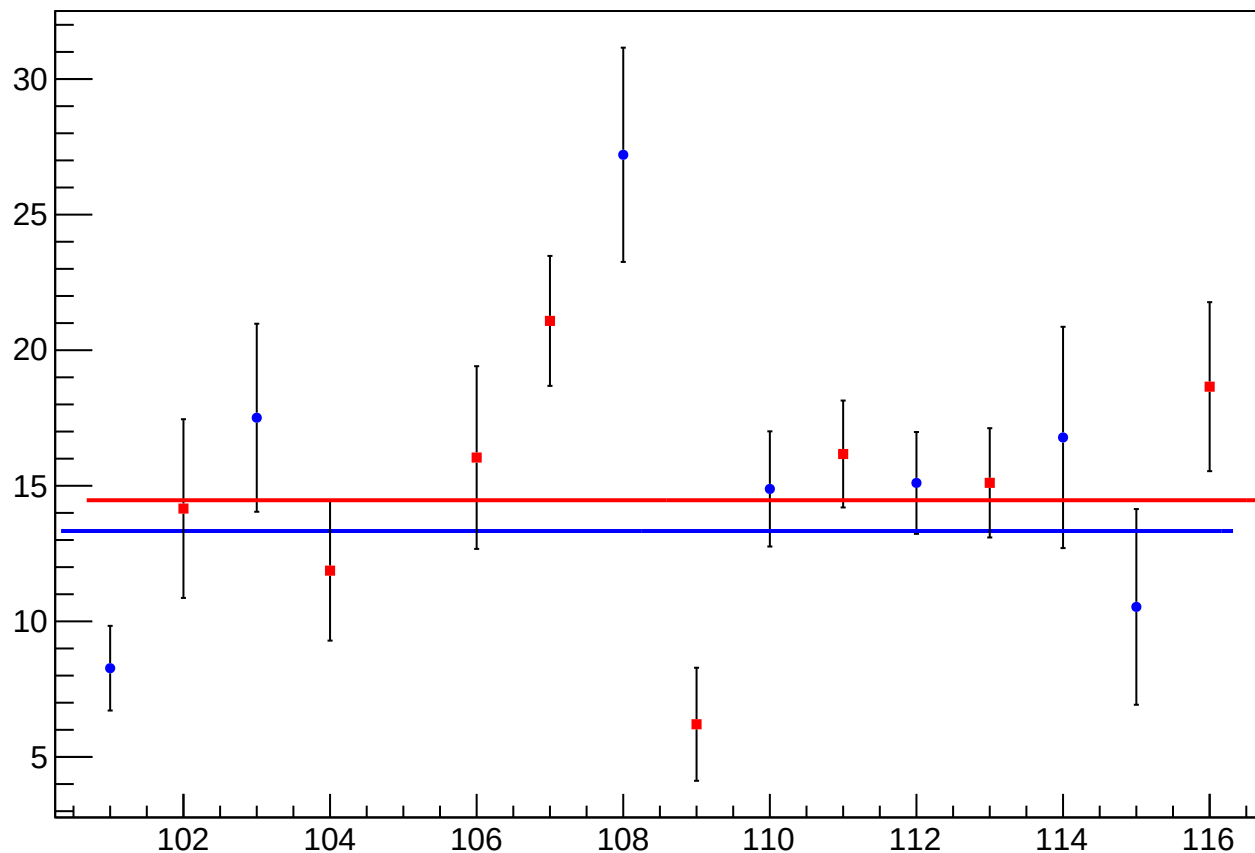
Right: -39.570+/-0.866  $\chi^2/\text{NDF}$ : 232.2/14

In: -39.257+/-1.289  $\chi^2/\text{NDF}$ : 96.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -39.570+/-0.866  $\chi^2/\text{NDF}$ : 232.2/14

reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 13.332 $\pm$ 0.913  $\chi^2$ /NDF: 27.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 14.467 $\pm$ 0.863  $\chi^2$ /NDF: 27.2/7

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

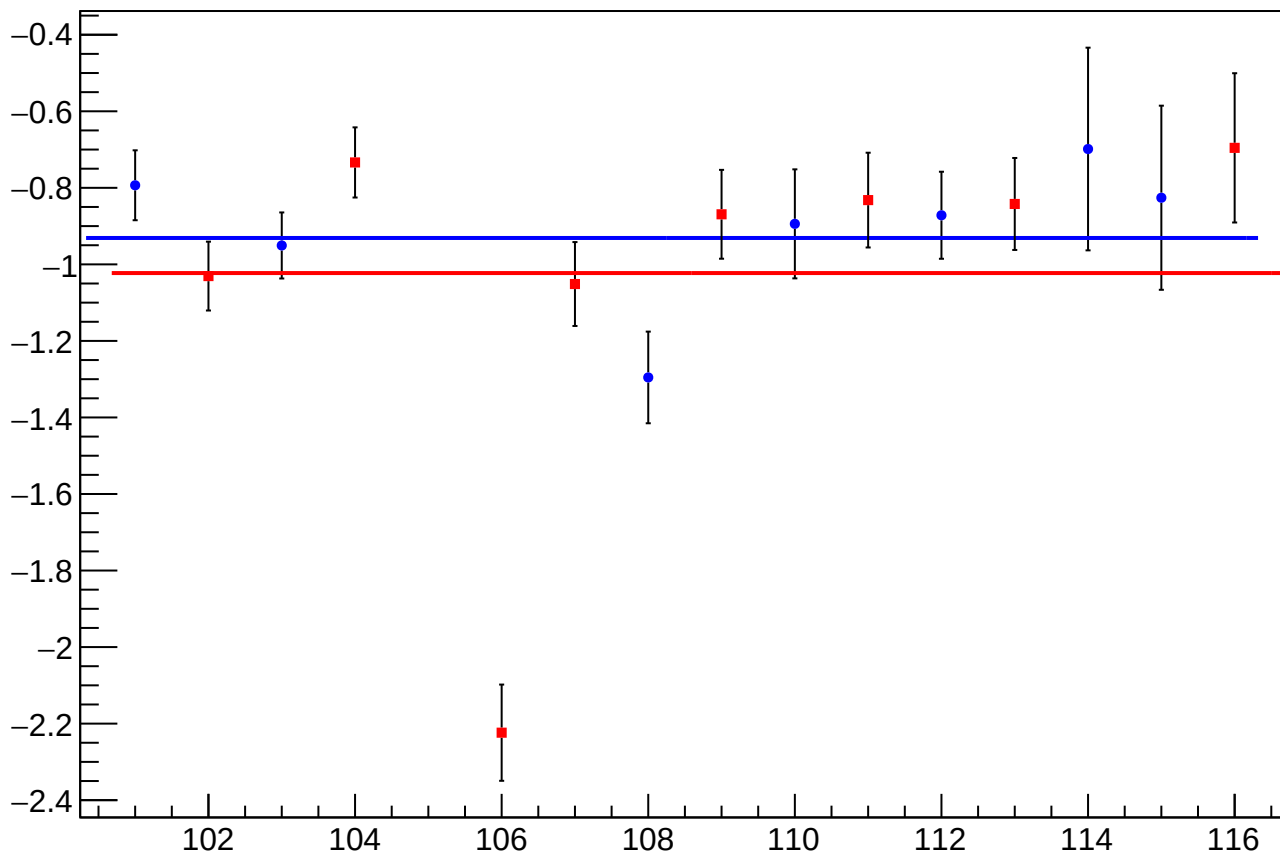
Right: 13.931 $\pm$ 0.627  $\chi^2$ /NDF: 55.1/14

In: 13.332 $\pm$ 0.913  $\chi^2$ /NDF:27.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 13.931 $\pm$ 0.627  $\chi^2$ /NDF: 55.1/14

reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.931 \pm 0.046$   $\chi^2/\text{NDF}$ : 12.9/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.023 \pm 0.040$   $\chi^2/\text{NDF}$ : 110.5/7

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

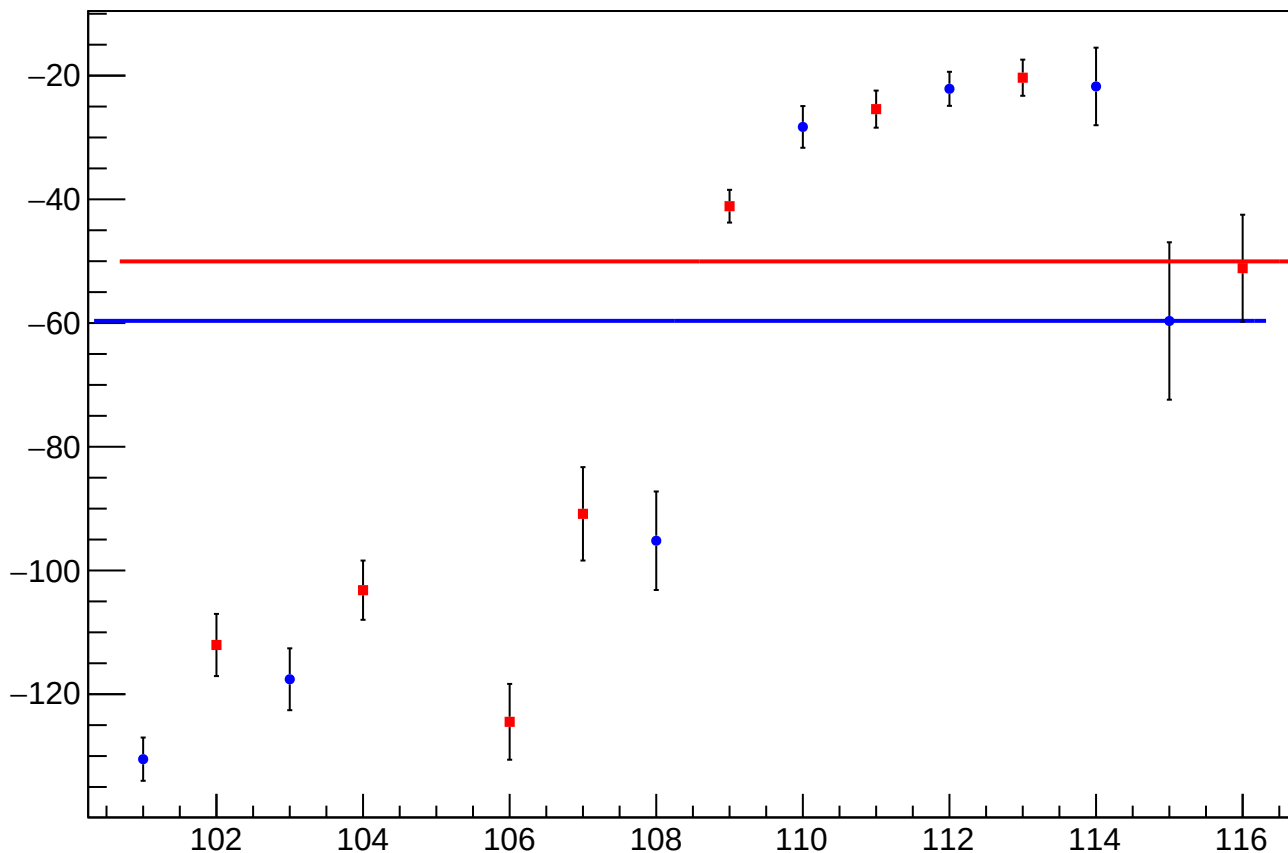
Right:  $-0.983 \pm 0.030$   $\chi^2/\text{NDF}$ : 125.6/14

In:  $-0.931 \pm 0.046$   $\chi^2/\text{NDF}$ : 12.9/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.983 \pm 0.030$   $\chi^2/\text{NDF}$ : 125.6/14

reg\_asym\_sam4\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -59.646 $\pm$ 1.603  $\chi^2$ /NDF: 873.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -50.034 $\pm$ 1.398  $\chi^2$ /NDF: 634.2/7

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

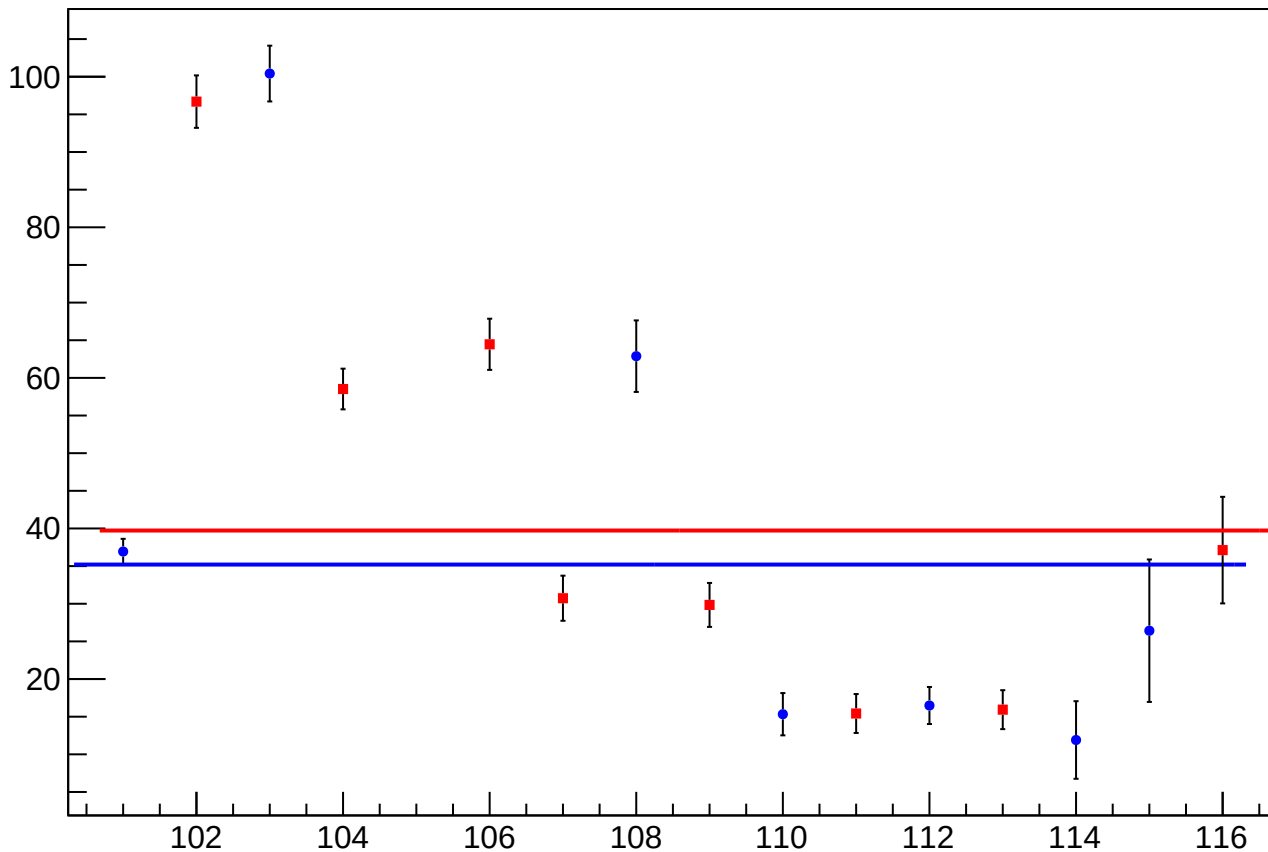
Right: -54.186 $\pm$ 1.054  $\chi^2$ /NDF: 1528.3/14

In: -59.646 $\pm$ 1.603  $\chi^2$ /NDF:873.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -54.186 $\pm$ 1.054  $\chi^2$ /NDF: 1528.3/14

reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 35.205+/-1.112  $\chi^2/\text{NDF}$ : 474.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 39.725+/-1.082  $\chi^2/\text{NDF}$ : 562.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 37.527+/-0.776  $\chi^2/\text{NDF}$ : 1045.0/14

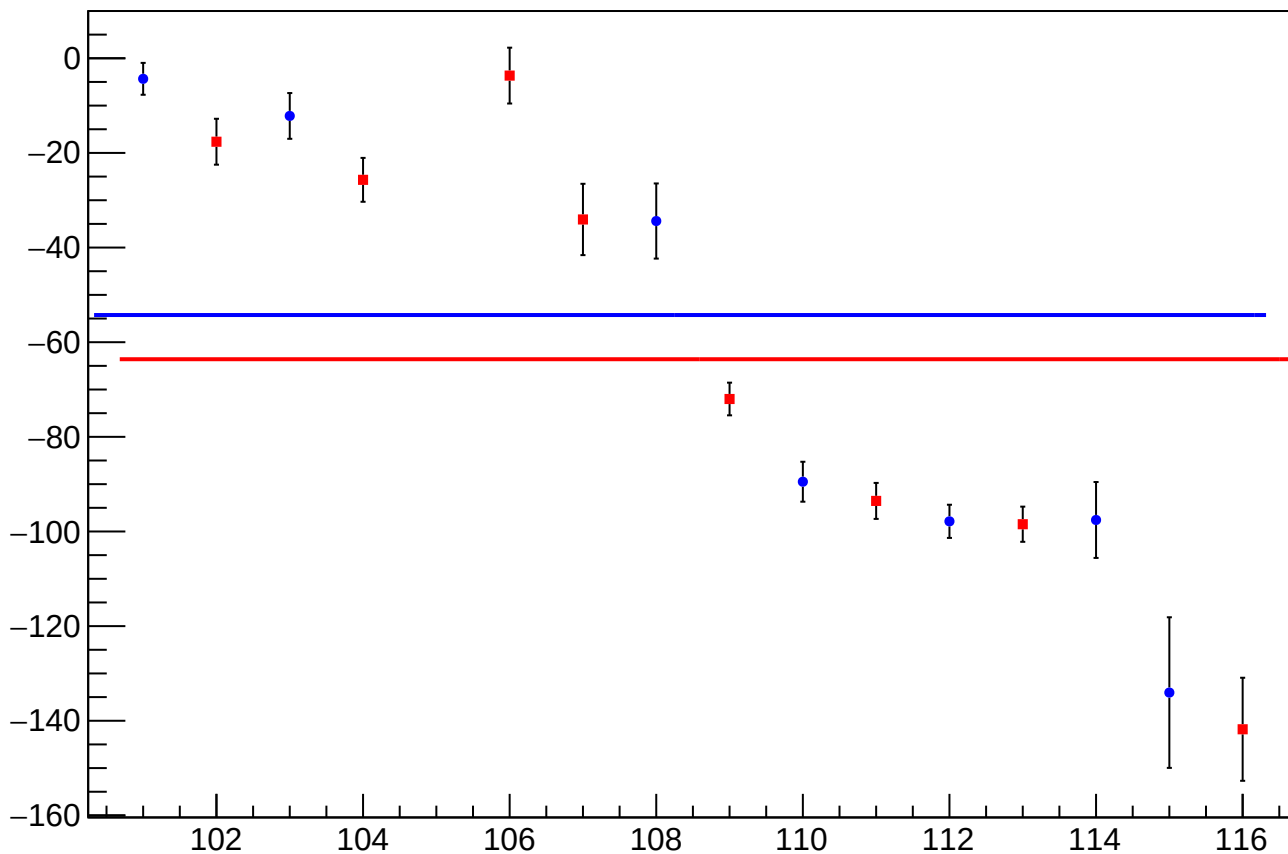
In: 35.205+/-1.112  $\chi^2/\text{NDF}$ : 474.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 37.527+/-0.776  $\chi^2/\text{NDF}$ : 1045.0/14



reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.257+/-1.814  $\chi^2/\text{NDF}$ : 580.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -63.598+/-1.646  $\chi^2/\text{NDF}$ : 482.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

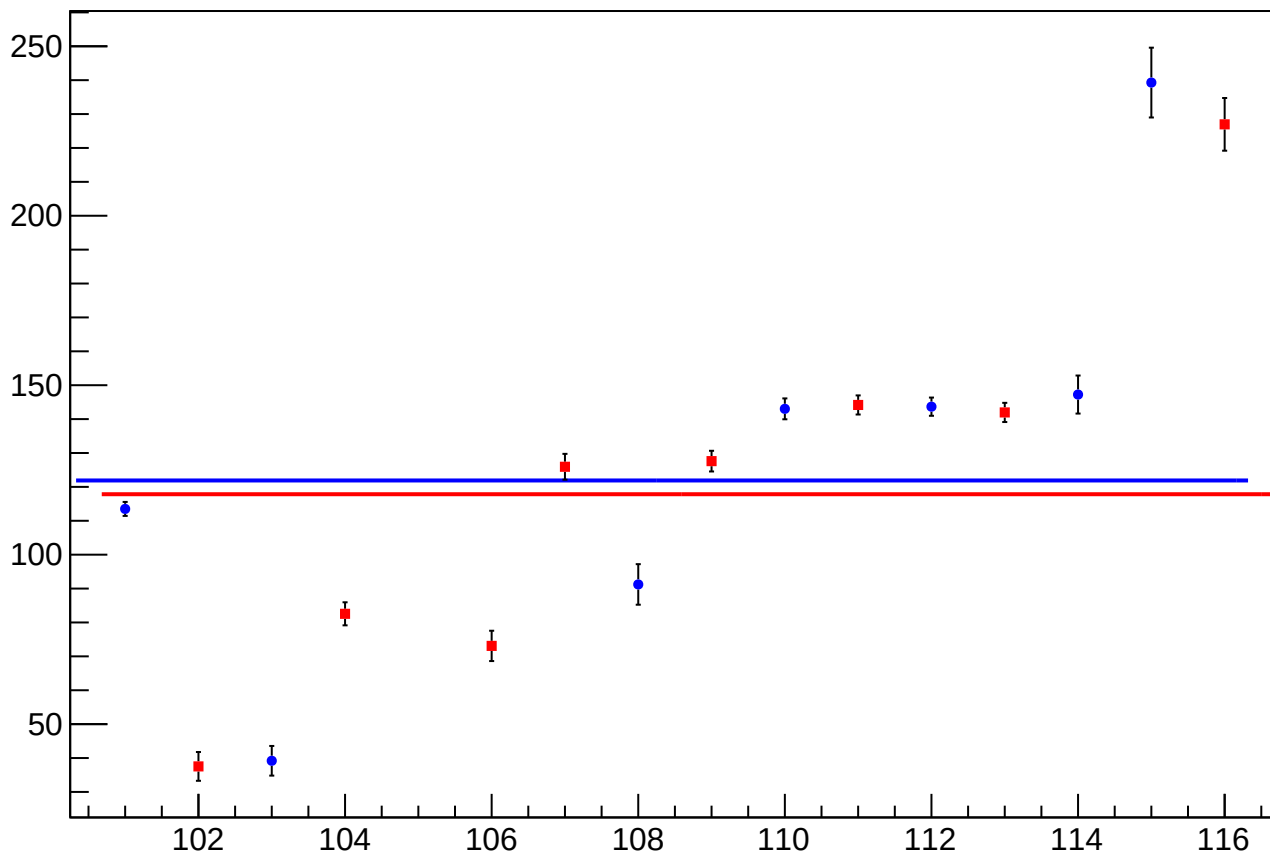
Right: -59.381+/-1.219  $\chi^2/\text{NDF}$ : 1077.4/14

In: -54.257+/-1.814  $\chi^2/\text{NDF}$ : 580.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -59.381+/-1.219  $\chi^2/\text{NDF}$ : 1077.4/14

reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 121.894 $\pm$ 1.291  $\chi^2$ /NDF: 663.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 117.836 $\pm$ 1.254  $\chi^2$ /NDF: 937.2/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

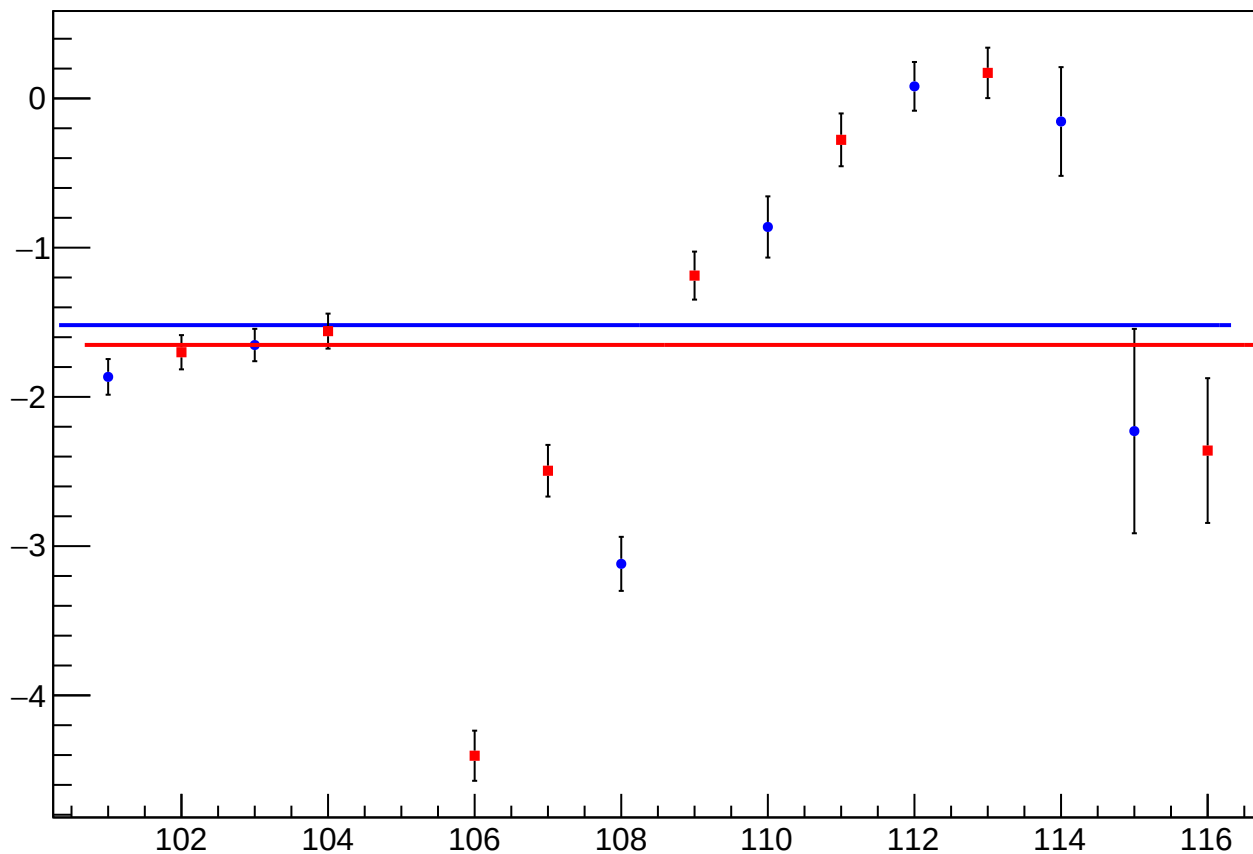
Right: 119.807 $\pm$ 0.900  $\chi^2$ /NDF: 1605.3/14

In: 121.894 $\pm$ 1.291  $\chi^2$ /NDF:663.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 119.807 $\pm$ 0.900  $\chi^2$ /NDF: 1605.3/14

reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.519+/-0.062  $\chi^2/\text{NDF}$ : 209.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.652+/-0.055  $\chi^2/\text{NDF}$ : 480.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

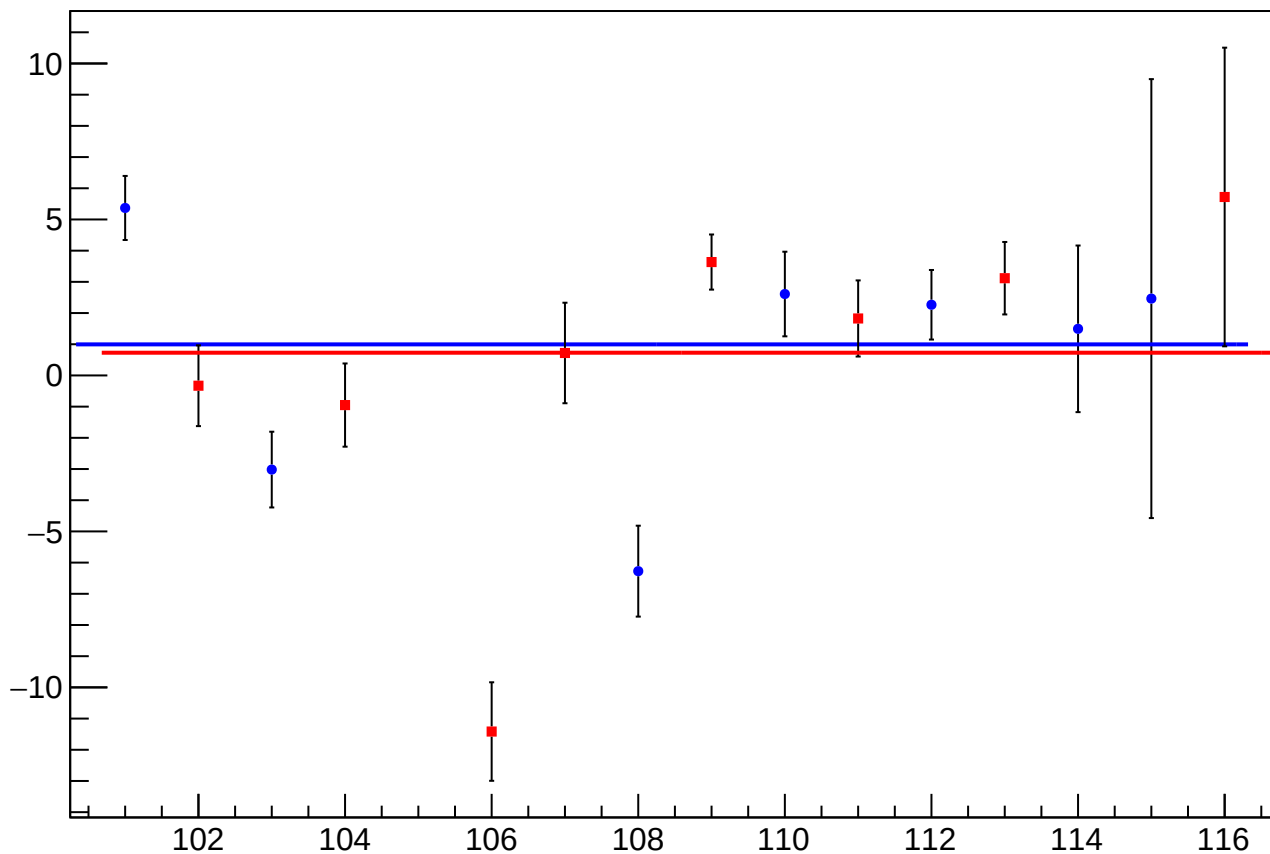
Right: -1.593+/-0.041  $\chi^2/\text{NDF}$ : 692.1/14

In: -1.519+/-0.062  $\chi^2/\text{NDF}$ : 209.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.593+/-0.041  $\chi^2/\text{NDF}$ : 692.1/14

reg\_asym\_sam5\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 0.996 $\pm$ 0.527  $\chi^2$ /NDF: 56.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.728 $\pm$ 0.462  $\chi^2$ /NDF: 78.3/7

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

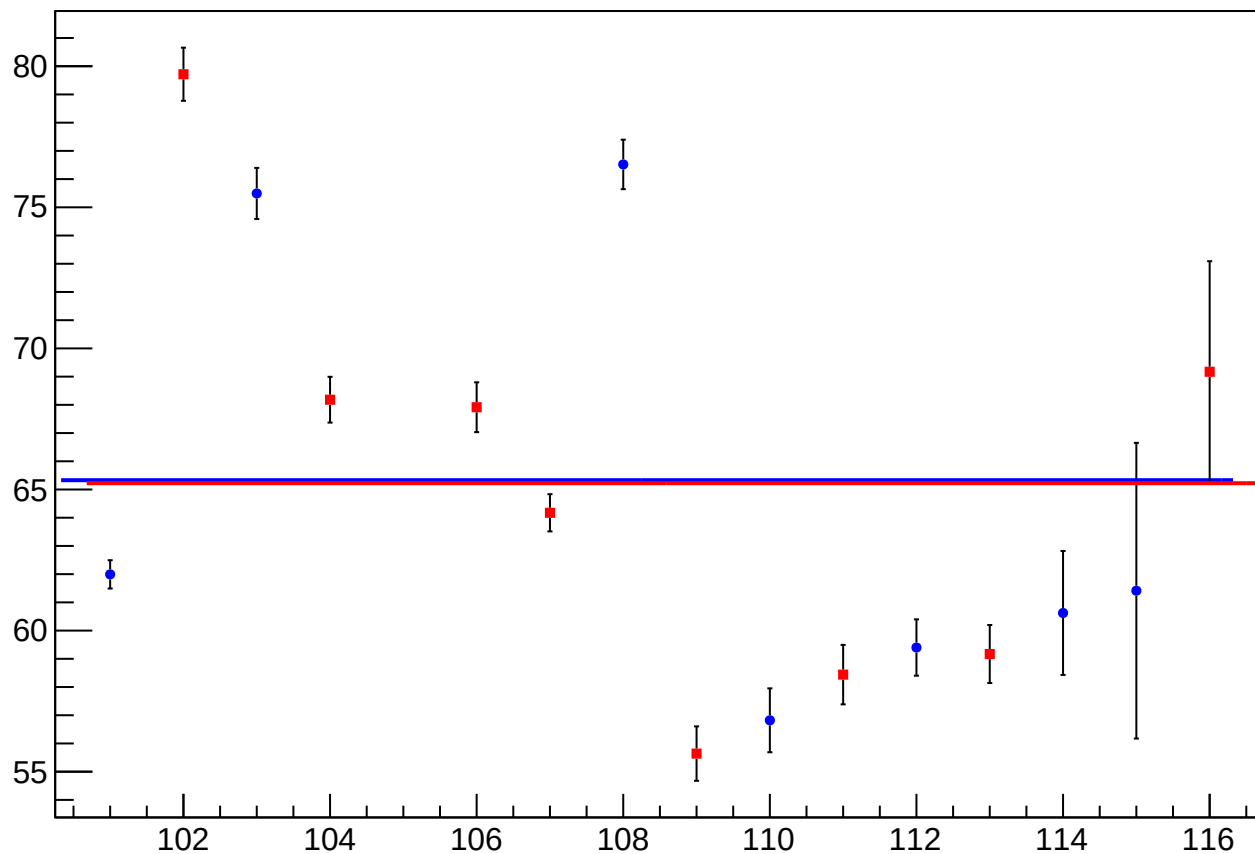
Right: 0.845 $\pm$ 0.347  $\chi^2$ /NDF: 135.2/14

In: 0.996 $\pm$ 0.527  $\chi^2$ /NDF:56.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.845 $\pm$ 0.347  $\chi^2$ /NDF: 135.2/14

reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 65.330+/-0.343  $\chi^2/\text{NDF}$ : 429.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 65.223+/-0.329  $\chi^2/\text{NDF}$ : 437.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

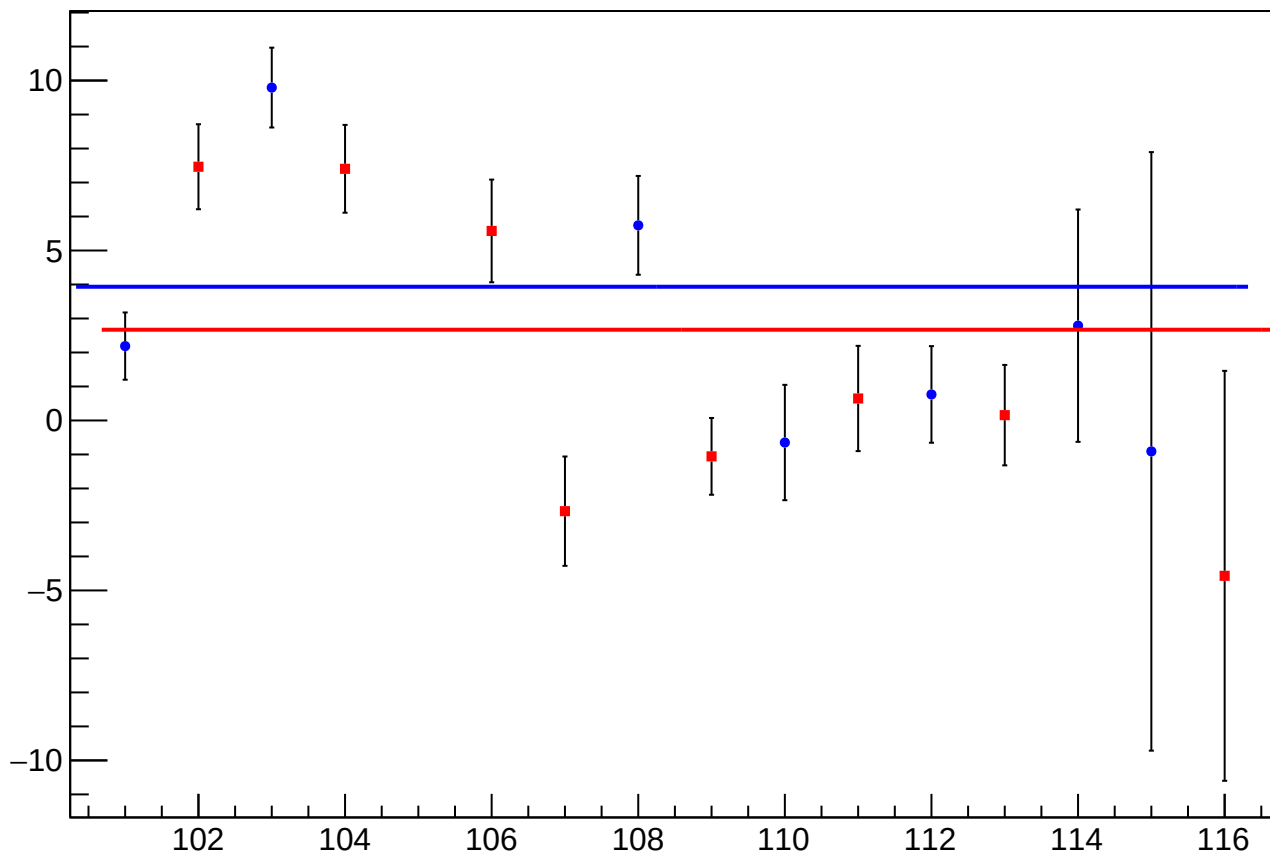
Right: 65.274+/-0.237  $\chi^2/\text{NDF}$ : 867.9/14

In: 65.330+/-0.343  $\chi^2/\text{NDF}$ : 429.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 65.274+/-0.237  $\chi^2/\text{NDF}$ : 867.9/14

reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 3.934+/-0.562  $\chi^2/\text{NDF}$ : 42.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.670+/-0.516  $\chi^2/\text{NDF}$ : 59.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

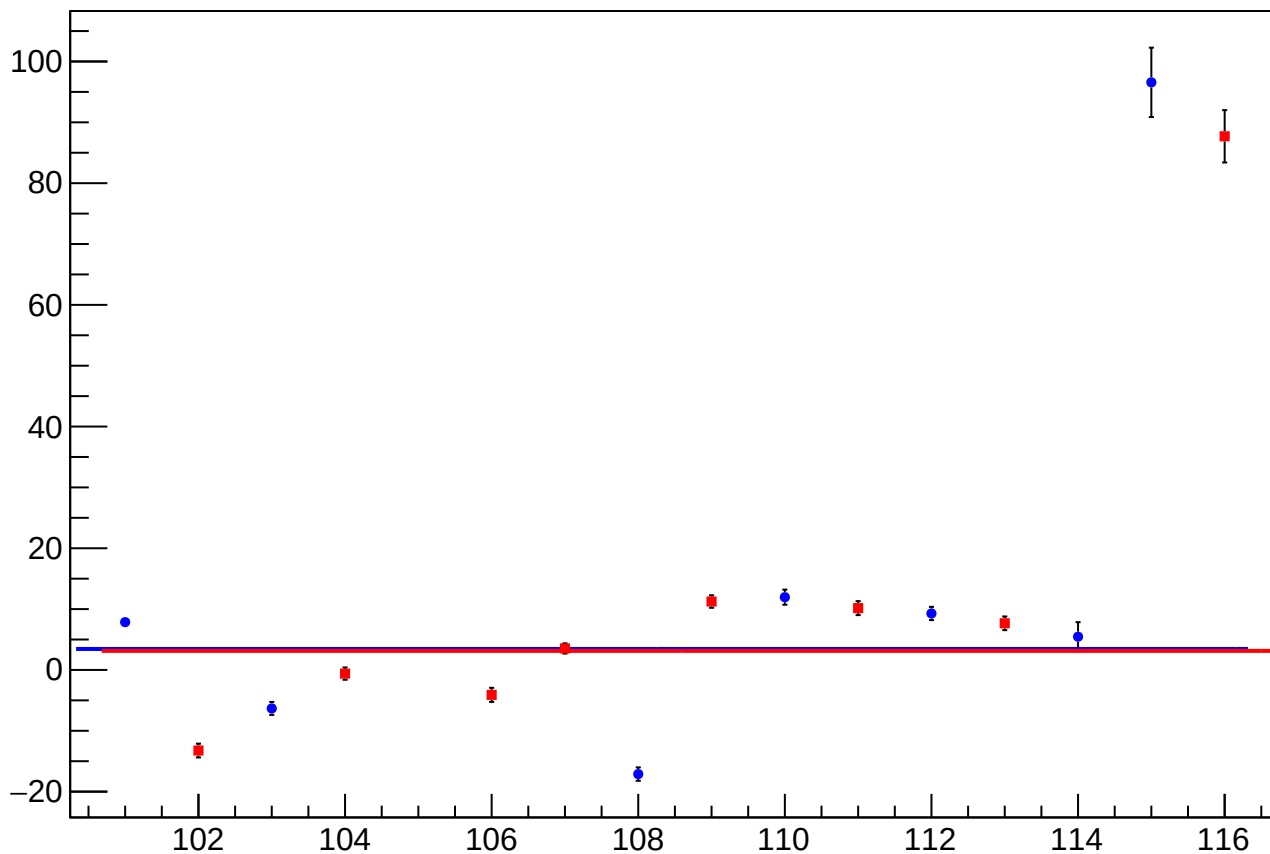
Right: 3.248+/-0.380  $\chi^2/\text{NDF}$ : 104.8/14

In: 3.934+/-0.562  $\chi^2/\text{NDF}$ : 42.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.248+/-0.380  $\chi^2/\text{NDF}$ : 104.8/14

reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 3.447+/-0.406  $\chi^2/\text{NDF}$ : 826.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.132+/-0.393  $\chi^2/\text{NDF}$ : 763.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

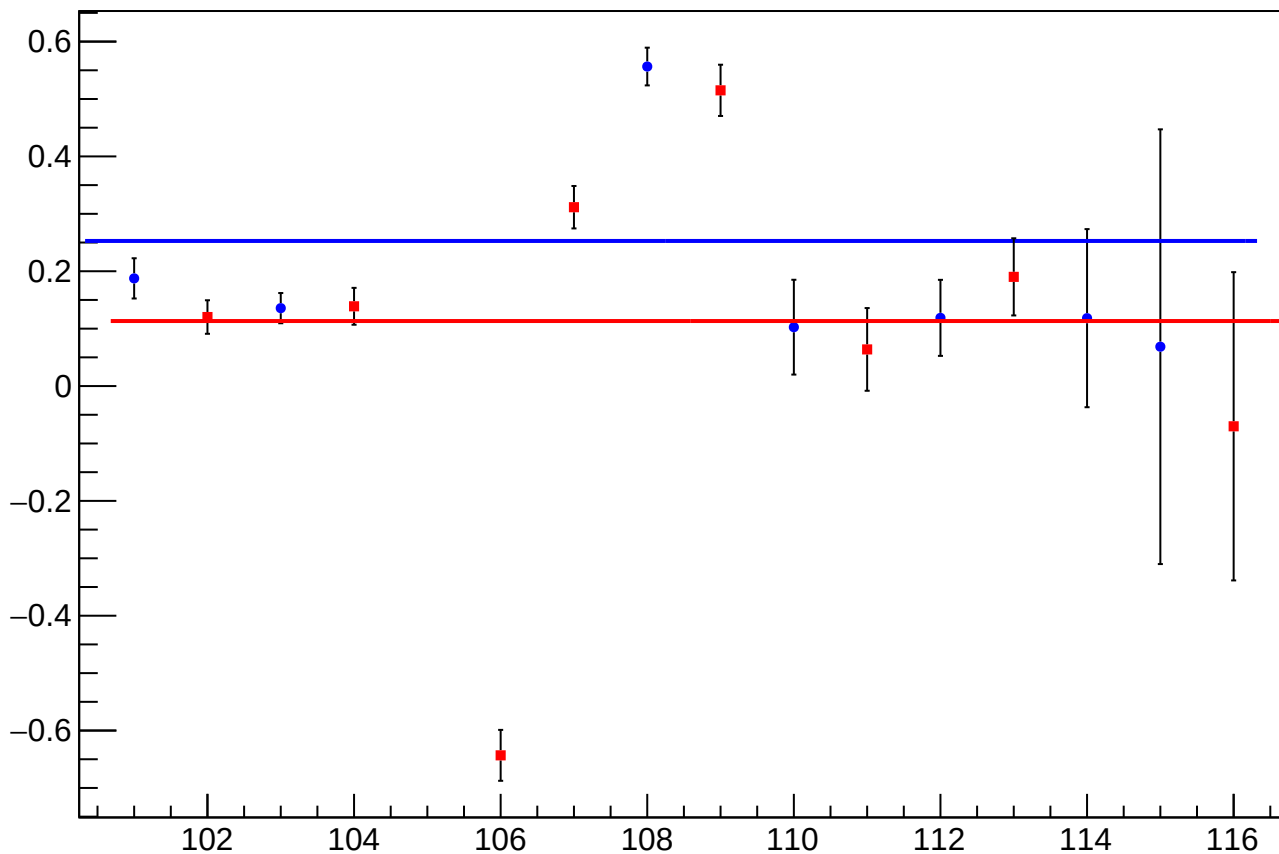
Right: 3.284+/-0.282  $\chi^2/\text{NDF}$ : 1589.9/14

In: 3.447+/-0.406  $\chi^2/\text{NDF}$ : 826.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.284+/-0.282  $\chi^2/\text{NDF}$ : 1589.9/14

reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.017  $\chi^2/\text{NDF}$ : 117.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.113+/-0.015  $\chi^2/\text{NDF}$ : 403.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.177+/-0.011  $\chi^2/\text{NDF}$ : 559.2/14

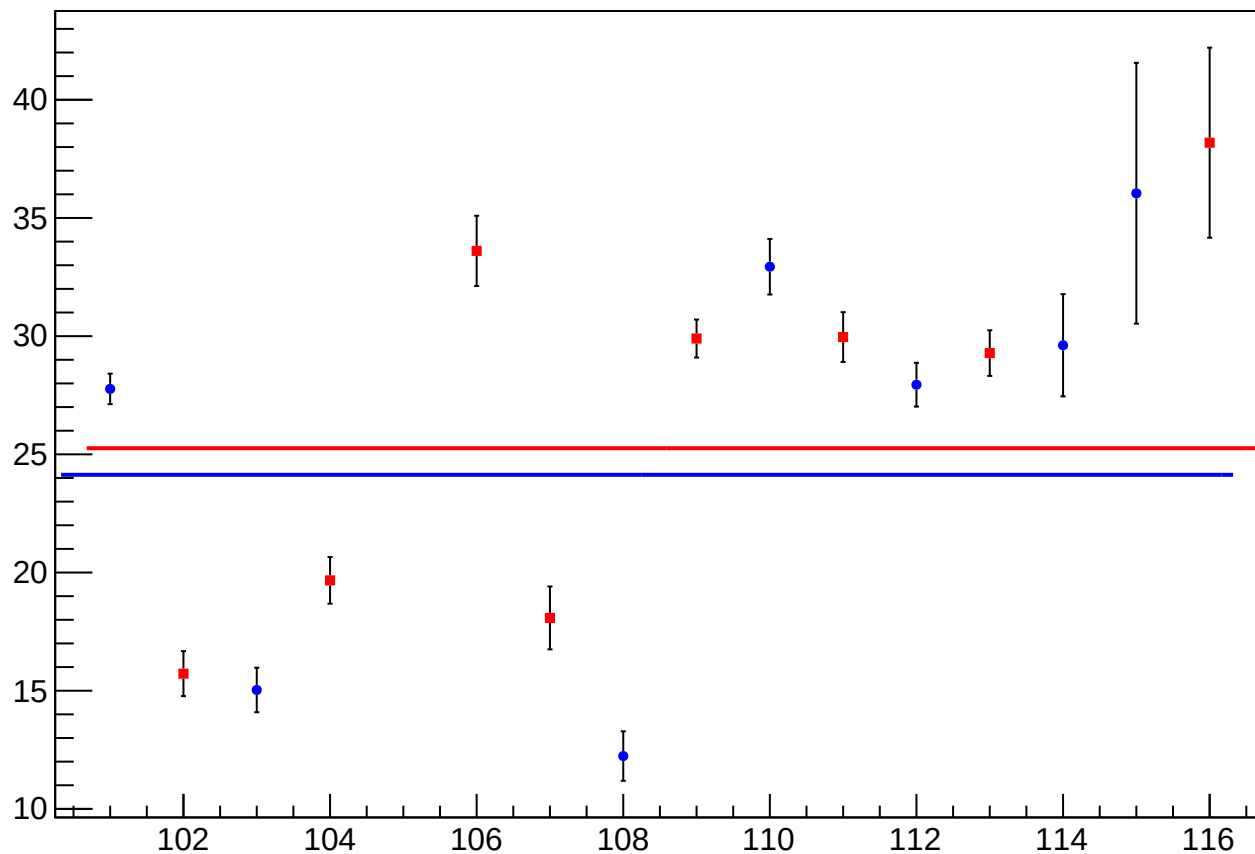
In: 0.253+/-0.017  $\chi^2/\text{NDF}$ : 117.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.177+/-0.011  $\chi^2/\text{NDF}$ : 559.2/14



reg\_asym\_sam6\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 24.135+/-0.390  $\chi^2/\text{NDF}$ : 338.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 25.260+/-0.385  $\chi^2/\text{NDF}$ : 274.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

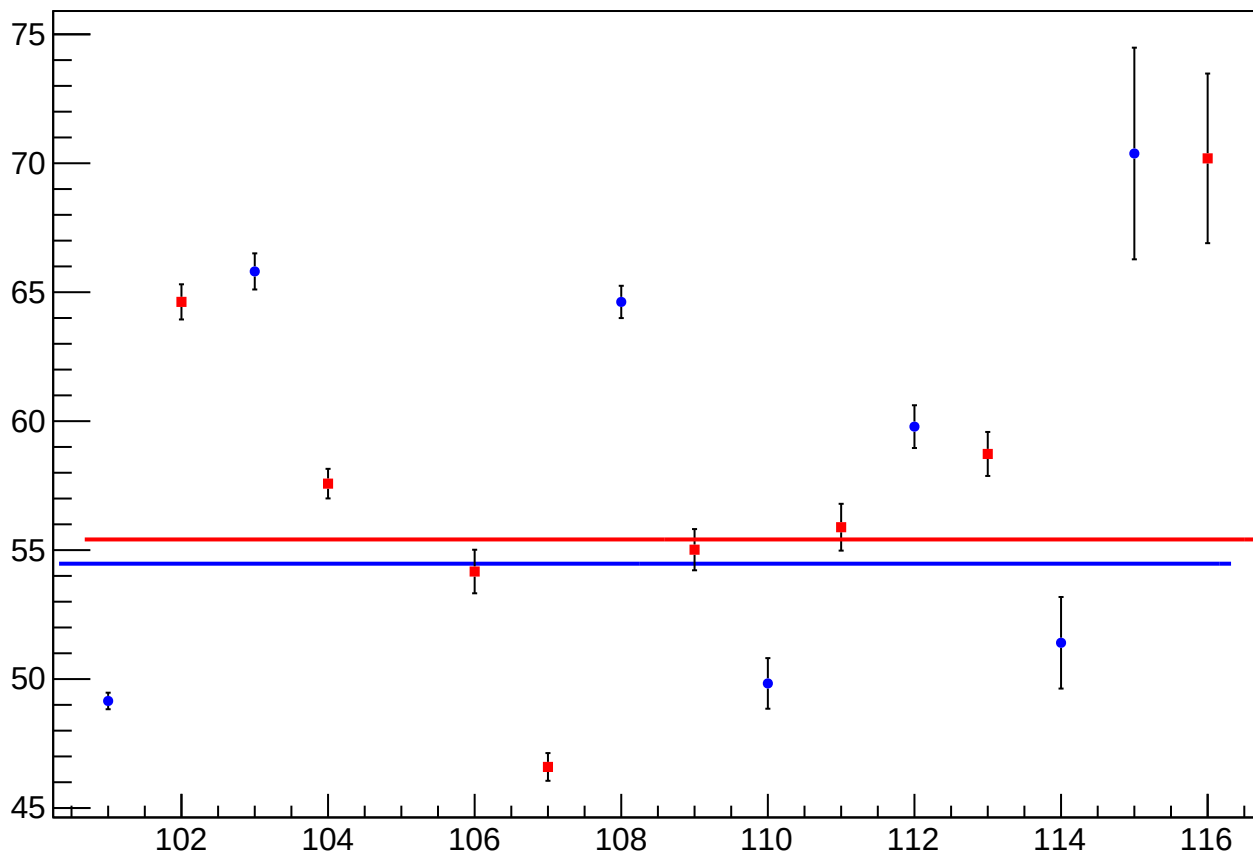
Right: 24.704+/-0.274  $\chi^2/\text{NDF}$ : 616.9/14

In: 24.135+/-0.390  $\chi^2/\text{NDF}$ : 338.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 24.704+/-0.274  $\chi^2/\text{NDF}$ : 616.9/14

reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 54.474 $\pm$ 0.241  $\chi^2$ /NDF: 882.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 55.413 $\pm$ 0.264  $\chi^2$ /NDF: 504.1/7

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

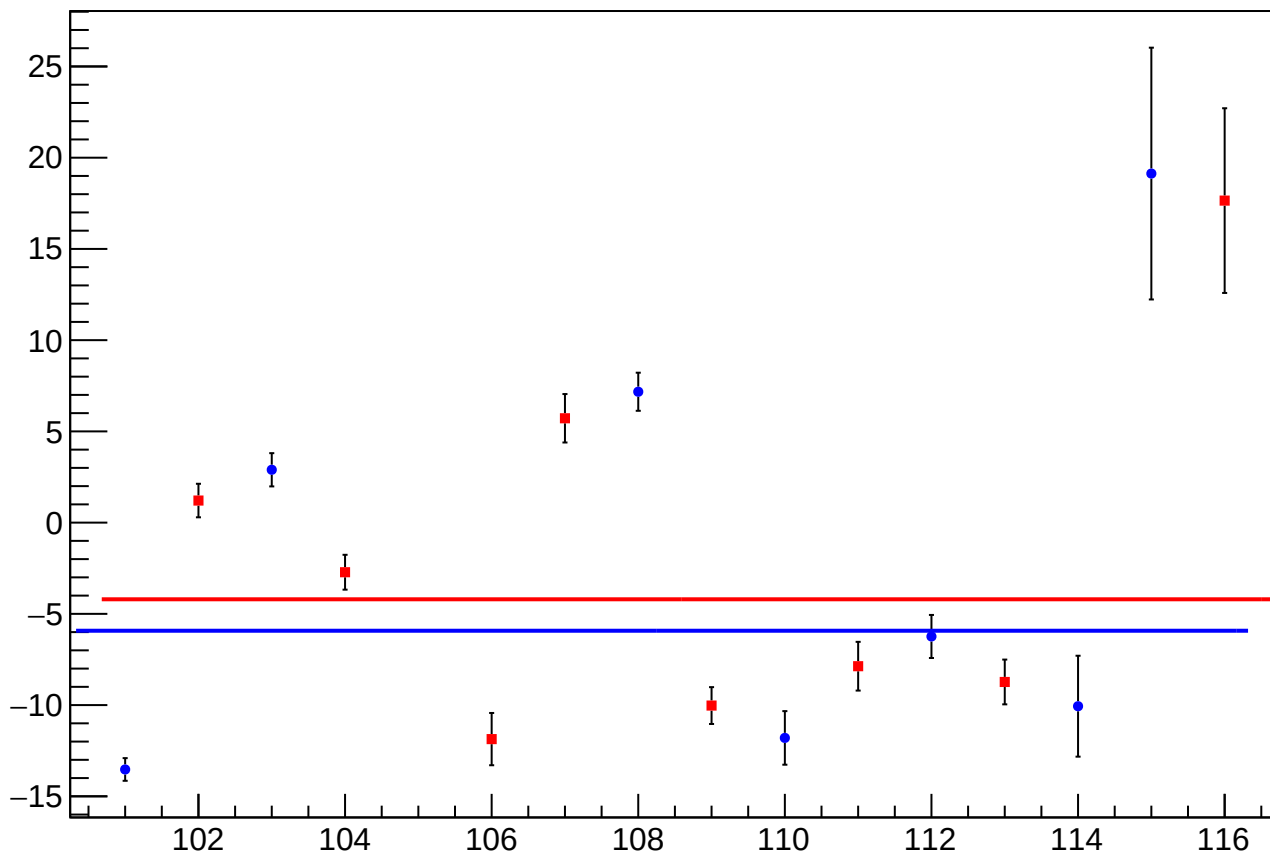
Right: 54.900 $\pm$ 0.178  $\chi^2$ /NDF: 1393.2/14

In: 54.474 $\pm$ 0.241  $\chi^2$ /NDF:882.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 54.900 $\pm$ 0.178  $\chi^2$ /NDF: 1393.2/14

reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-5.925 \pm 0.407$   $\chi^2/\text{NDF}$ : 432.3/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4.202 \pm 0.423$   $\chi^2/\text{NDF}$ : 194.7/7

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

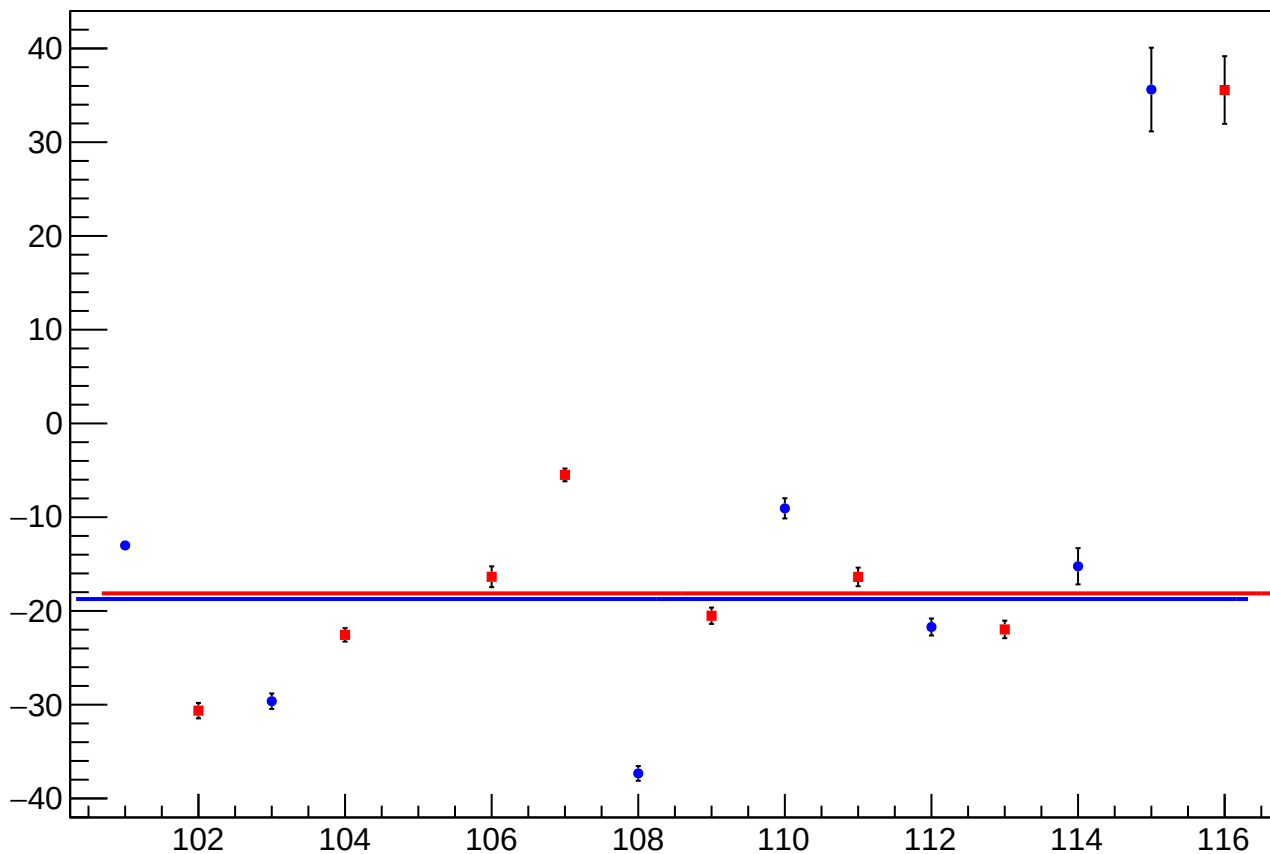
Right:  $-5.098 \pm 0.293$   $\chi^2/\text{NDF}$ : 635.6/14

In:  $-5.925 \pm 0.407$   $\chi^2/\text{NDF}$ : 432.3/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-5.098 \pm 0.293$   $\chi^2/\text{NDF}$ : 635.6/14

reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -18.731 $\pm$ 0.288  $\chi^2$ /NDF: 1188.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -18.127 $\pm$ 0.318  $\chi^2$ /NDF: 861.3/7

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

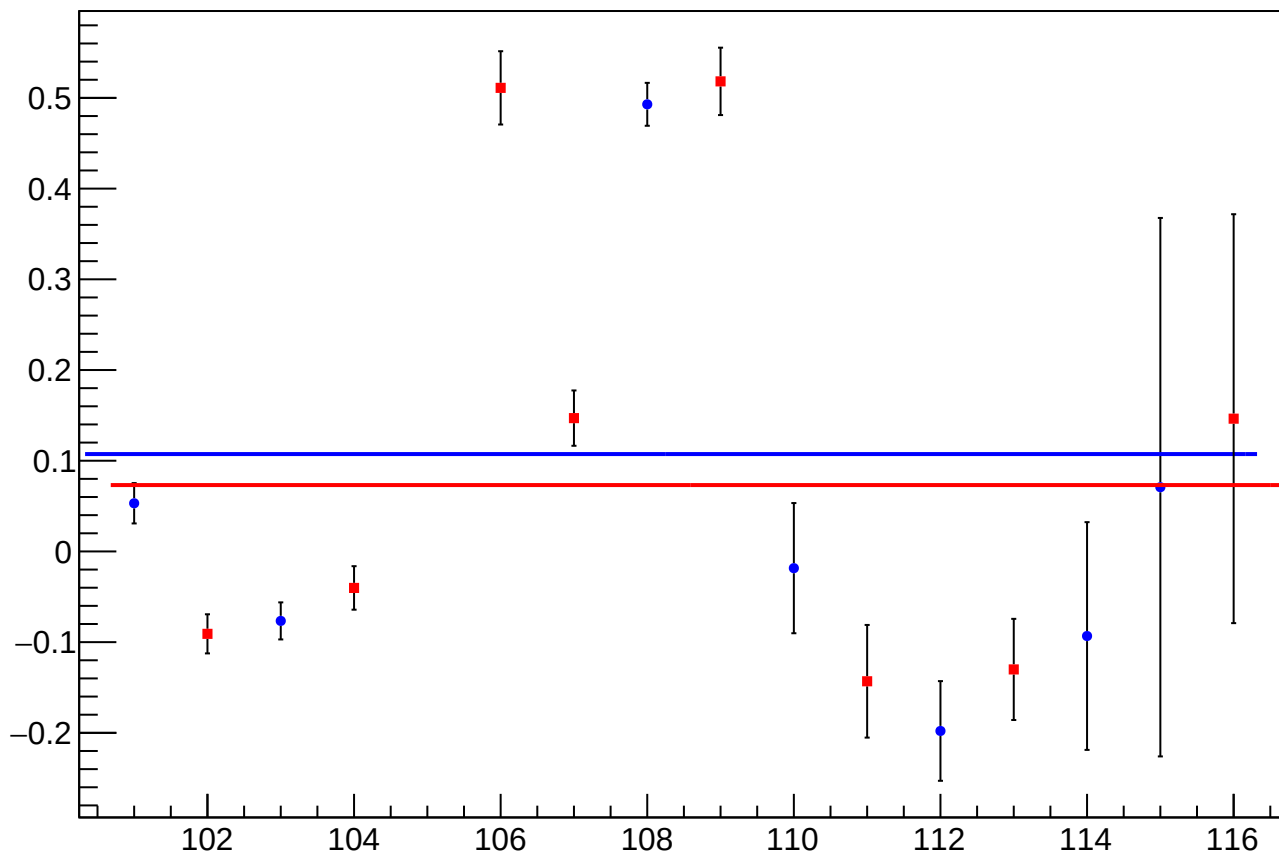
Right: -18.458 $\pm$ 0.213  $\chi^2$ /NDF: 2051.4/14

In: -18.731 $\pm$ 0.288  $\chi^2$ /NDF:1188.2/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -18.458 $\pm$ 0.213  $\chi^2$ /NDF: 2051.4/14

reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.107+/-0.012  $\chi^2/\text{NDF}$ : 389.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.073+/-0.012  $\chi^2/\text{NDF}$ : 372.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

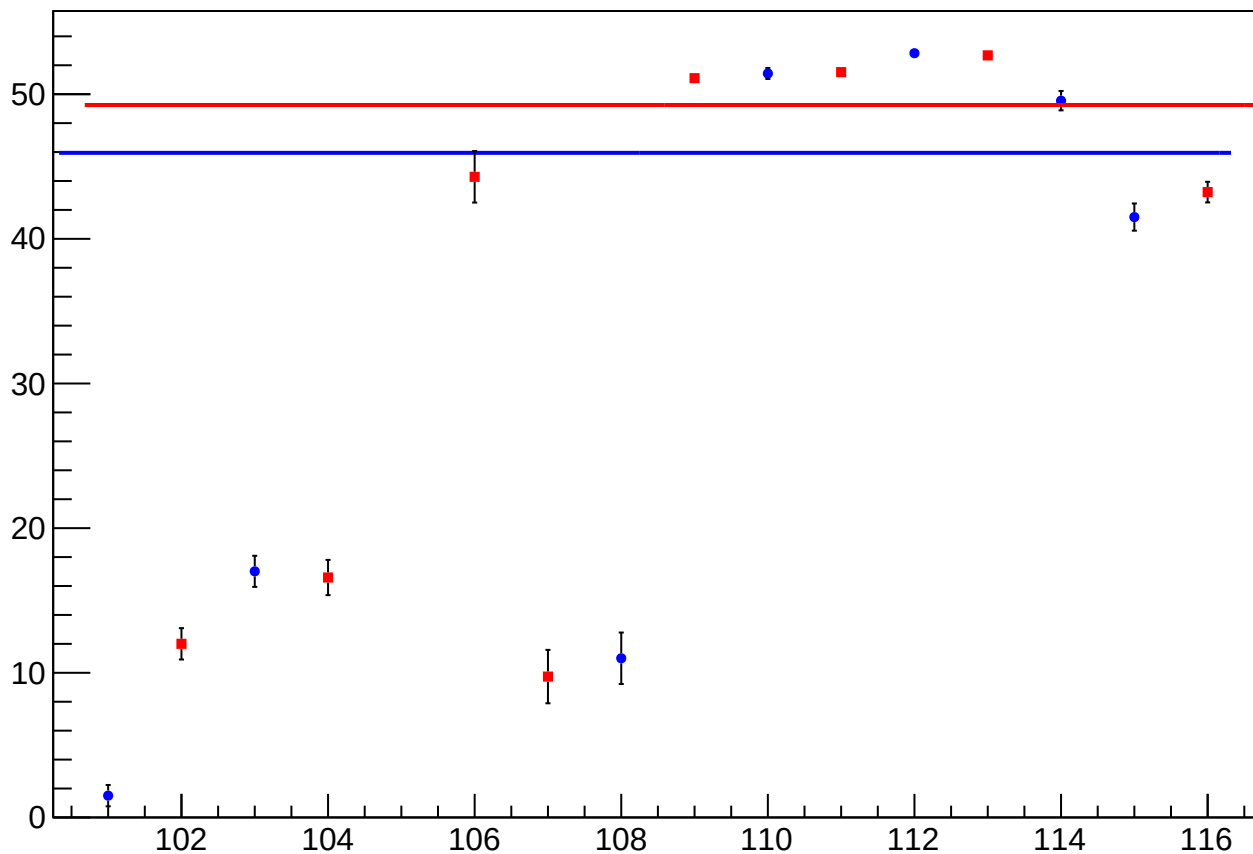
Right: 0.090+/-0.009  $\chi^2/\text{NDF}$ : 765.8/14

In: 0.107+/-0.012  $\chi^2/\text{NDF}$ : 389.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.090+/-0.009  $\chi^2/\text{NDF}$ : 765.8/14

reg\_asym\_sam7\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 45.946 $\pm$ 0.202  $\chi^2$ /NDF: 5538.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 49.254 $\pm$ 0.166  $\chi^2$ /NDF: 2641.8/7

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

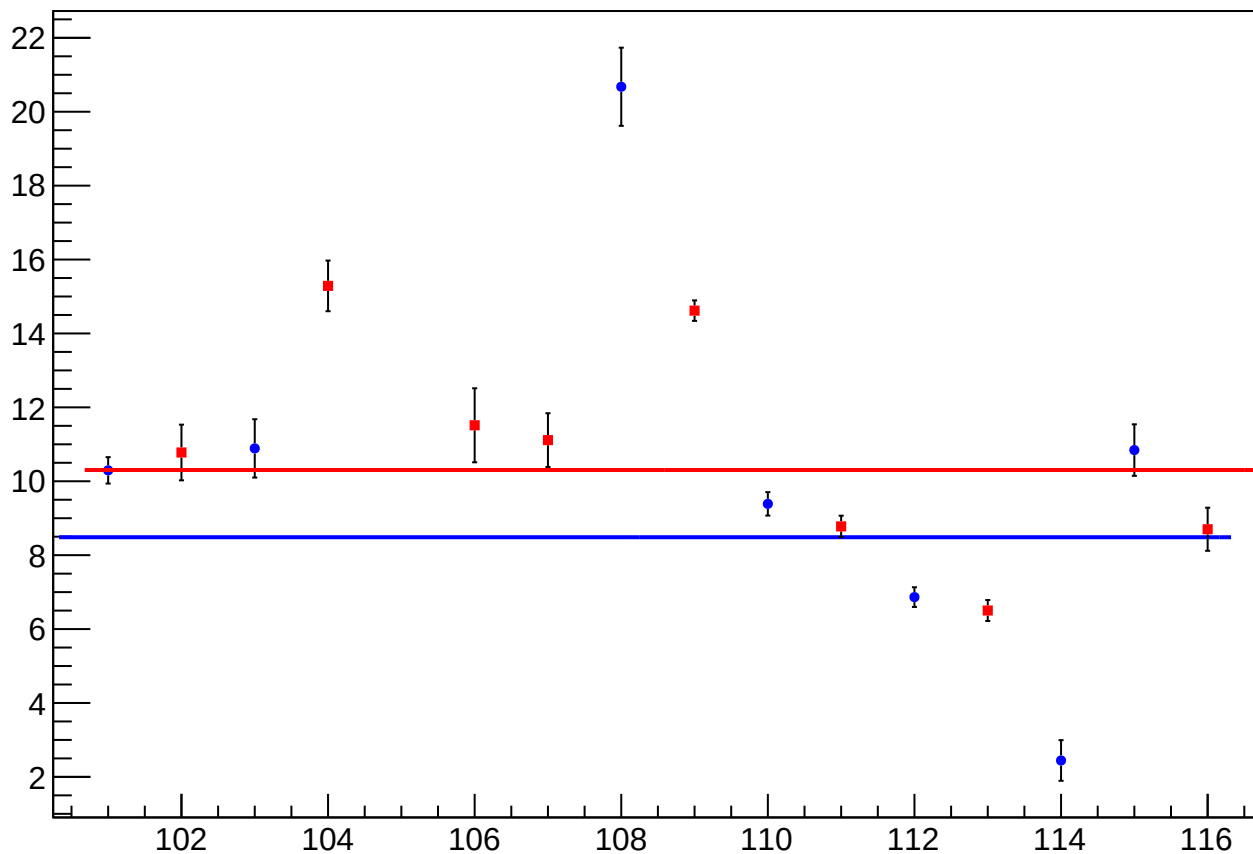
Right: 47.922 $\pm$ 0.128  $\chi^2$ /NDF: 8339.7/14

In: 45.946 $\pm$ 0.202  $\chi^2$ /NDF:5538.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 47.922 $\pm$ 0.128  $\chi^2$ /NDF: 8339.7/14

reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.485+/-0.159  $\chi^2/\text{NDF}$ : 344.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 10.304+/-0.146  $\chi^2/\text{NDF}$ : 513.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

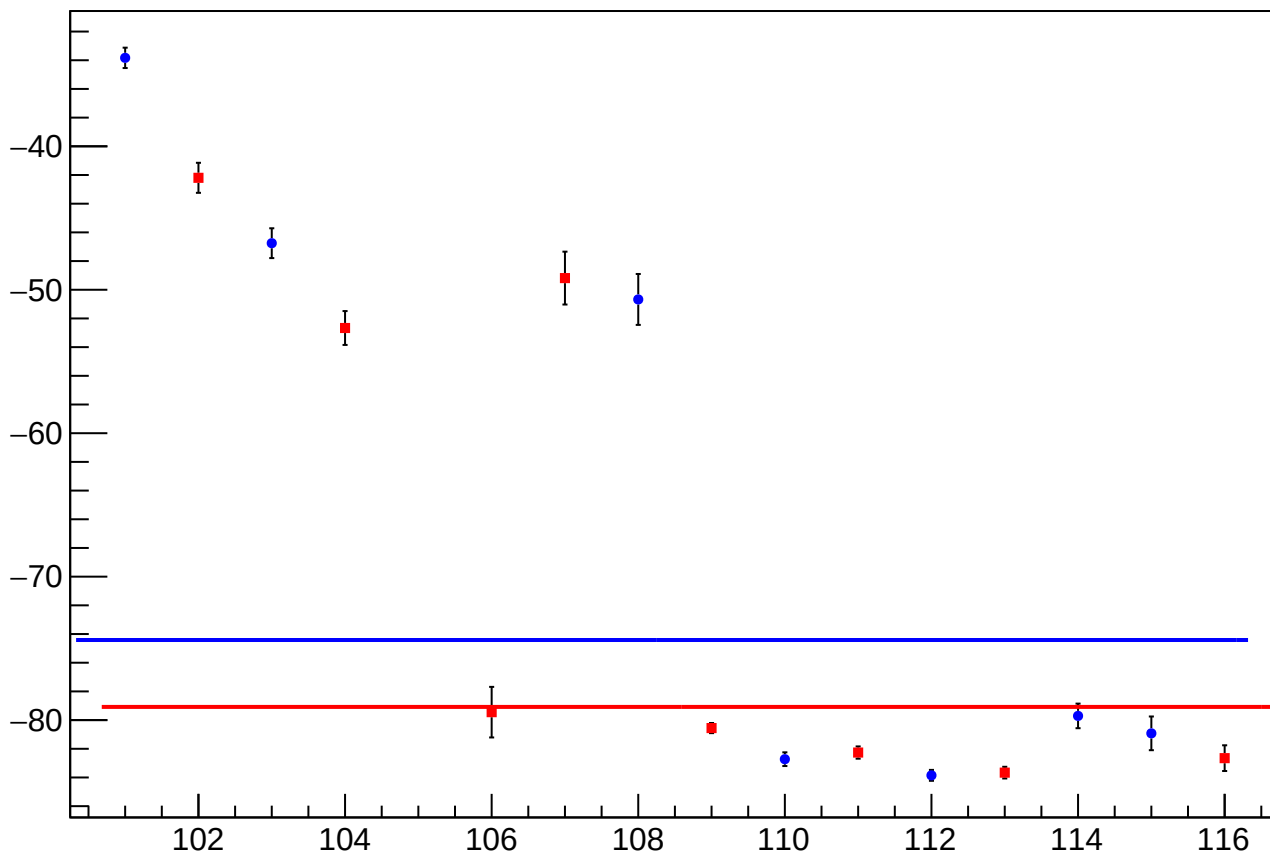
Right: 9.473+/-0.107  $\chi^2/\text{NDF}$ : 929.3/14

In: 8.485+/-0.159  $\chi^2/\text{NDF}$ :344.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 9.473+/-0.107  $\chi^2/\text{NDF}$ : 929.3/14

reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-74.417 \pm 0.245$   $\chi^2/\text{NDF}$ : 5144.1/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-79.081 \pm 0.208$   $\chi^2/\text{NDF}$ : 2220.5/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right:  $-77.125 \pm 0.159$   $\chi^2/\text{NDF}$ : 7574.6/14

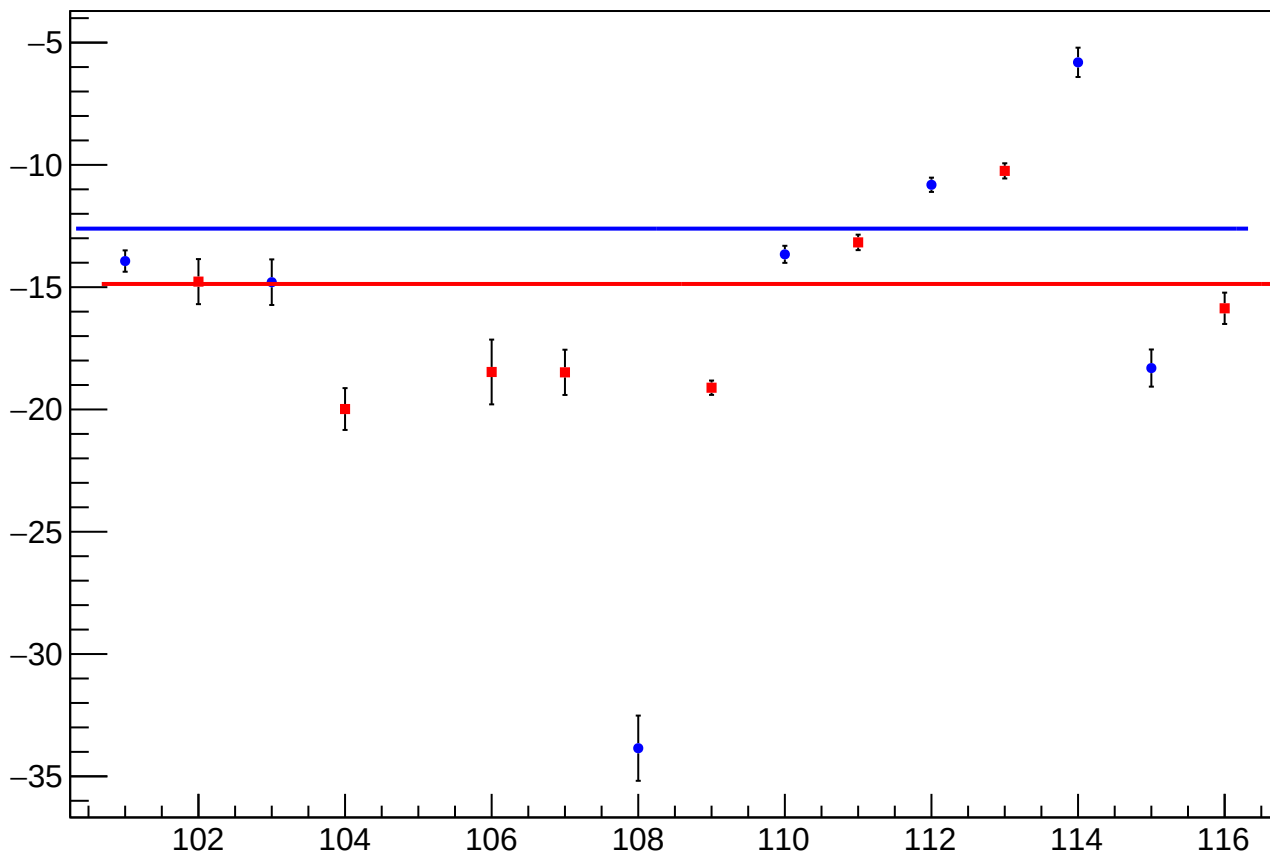
In:  $-74.417 \pm 0.245$   $\chi^2/\text{NDF}$ : 5144.1/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-77.125 \pm 0.159$   $\chi^2/\text{NDF}$ : 7574.6/14



reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -12.606 $\pm$ 0.178  $\chi^2$ /NDF: 500.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -14.869 $\pm$ 0.161  $\chi^2$ /NDF: 521.0/7

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

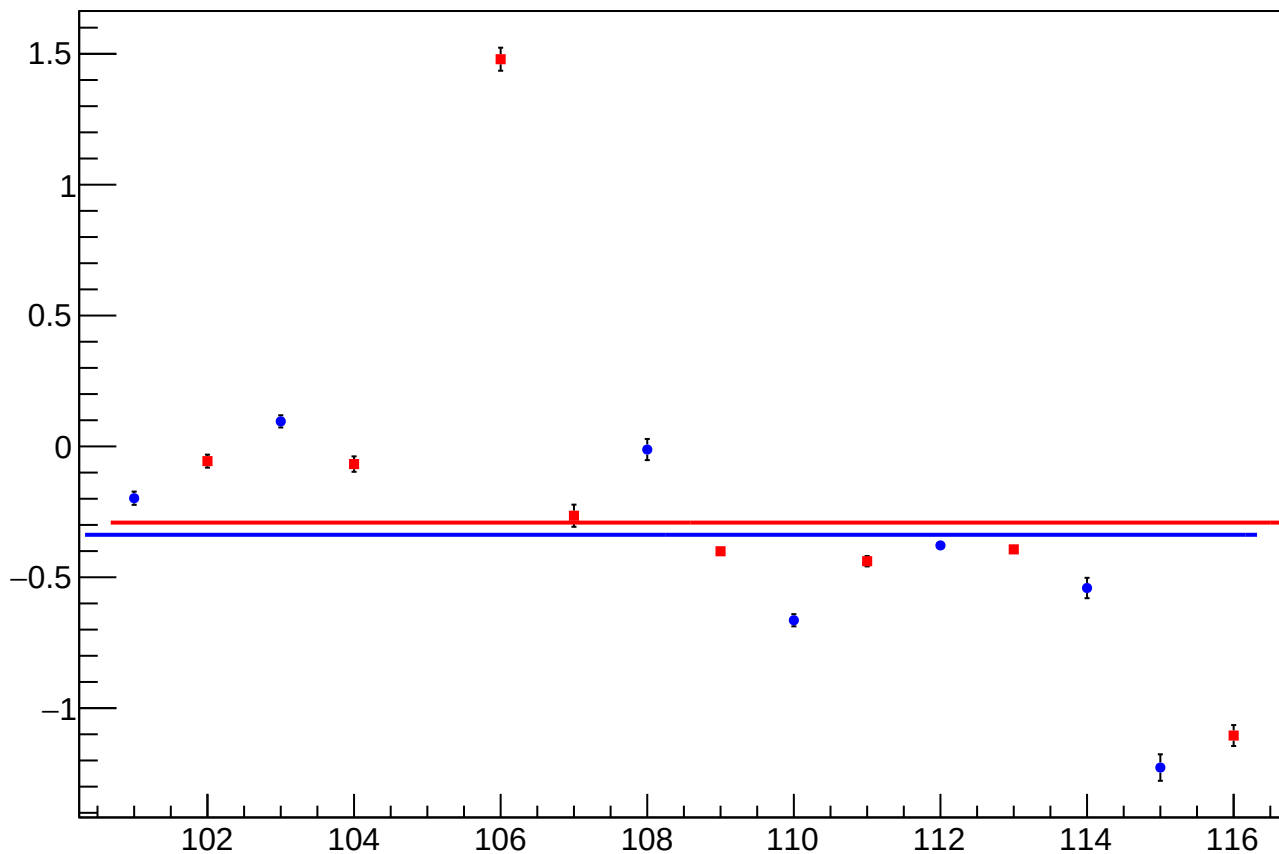
Right: -13.855 $\pm$ 0.119  $\chi^2$ /NDF: 1110.1/14

In: -12.606 $\pm$ 0.178  $\chi^2$ /NDF:500.2/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -13.855 $\pm$ 0.119  $\chi^2$ /NDF: 1110.1/14

reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.338 \pm 0.010$   $\chi^2/\text{NDF}$ : 979.6/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.291 \pm 0.009$   $\chi^2/\text{NDF}$ : 2303.1/7

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

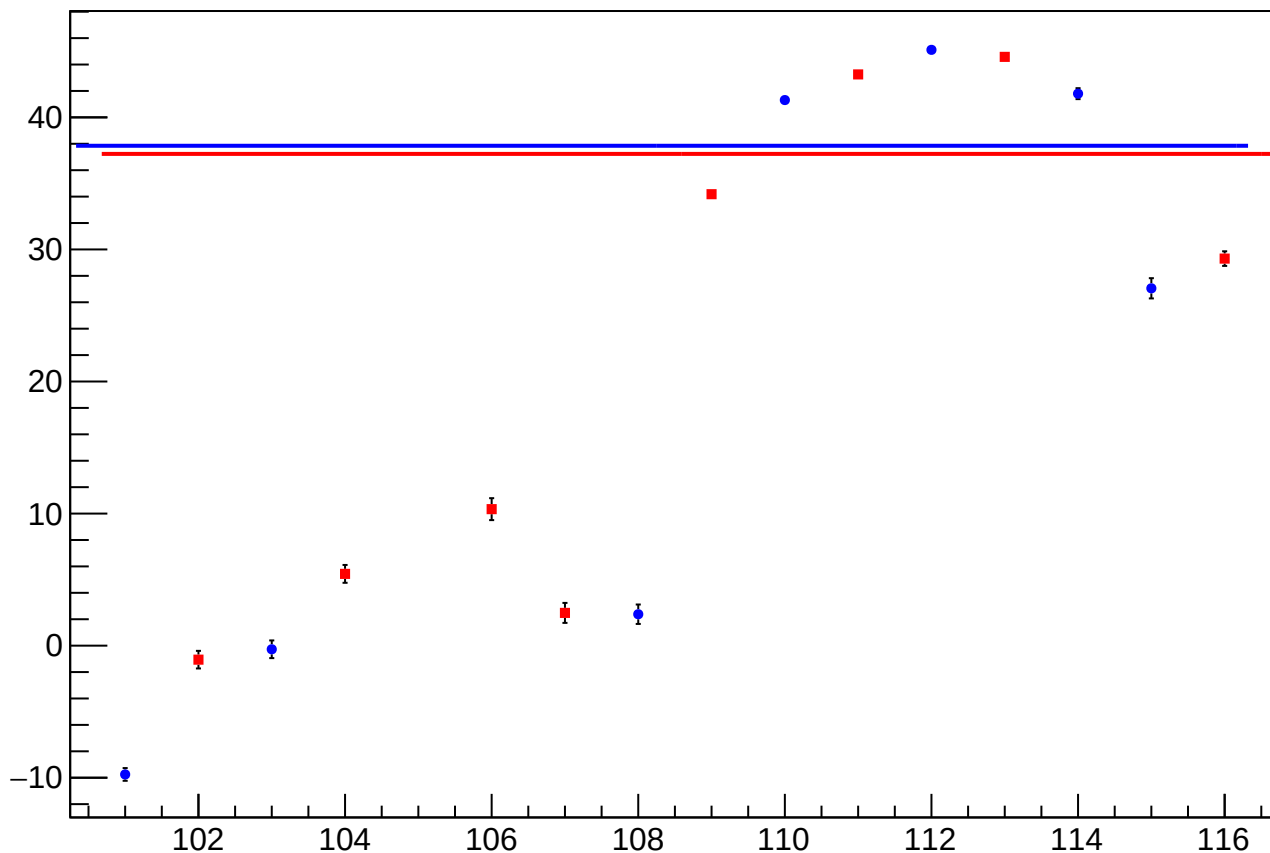
Right:  $-0.311 \pm 0.007$   $\chi^2/\text{NDF}$ : 3295.2/14

In:  $-0.338 \pm 0.010$   $\chi^2/\text{NDF}$ : 979.6/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.311 \pm 0.007$   $\chi^2/\text{NDF}$ : 3295.2/14

reg\_asym\_sam8\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 37.850+/-0.114  $\chi^2/\text{NDF}$ : 17849.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 37.233+/-0.092  $\chi^2/\text{NDF}$ : 12114.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

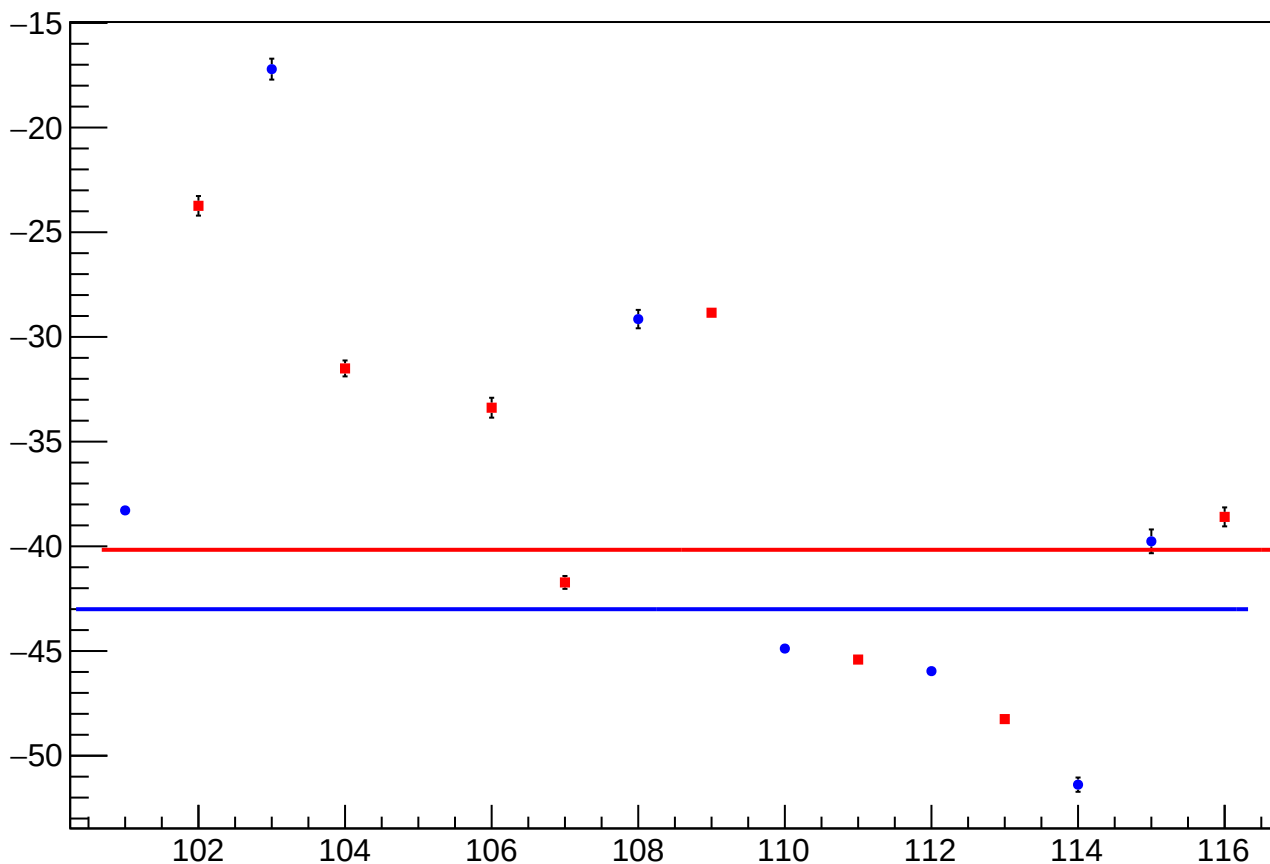
Right: 37.474+/-0.071  $\chi^2/\text{NDF}$ : 29981.5/14

In: 37.850+/-0.114  $\chi^2/\text{NDF}$ : 17849.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 37.474+/-0.071  $\chi^2/\text{NDF}$ : 29981.5/14

reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -43.003 $\pm$ 0.092  $\chi^2$ /NDF: 5224.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -40.166 $\pm$ 0.082  $\chi^2$ /NDF: 10065.7/7

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

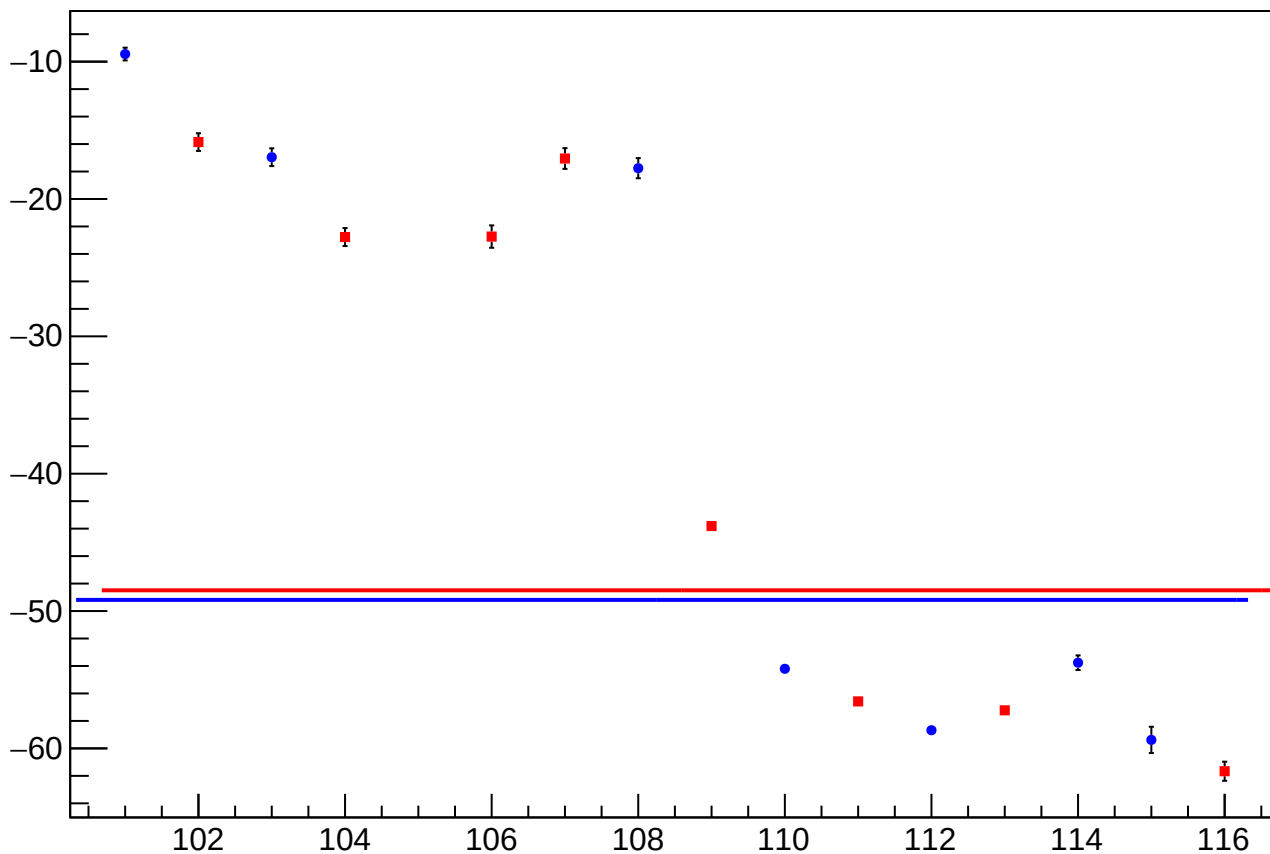
Right: -41.429 $\pm$ 0.061  $\chi^2$ /NDF: 15821.5/14

In: -43.003 $\pm$ 0.092  $\chi^2$ /NDF:5224.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -41.429 $\pm$ 0.061  $\chi^2$ /NDF: 15821.5/14

reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -49.188+/-0.139  $\chi^2/\text{NDF}$ : 14259.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -48.490+/-0.115  $\chi^2/\text{NDF}$ : 10546.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

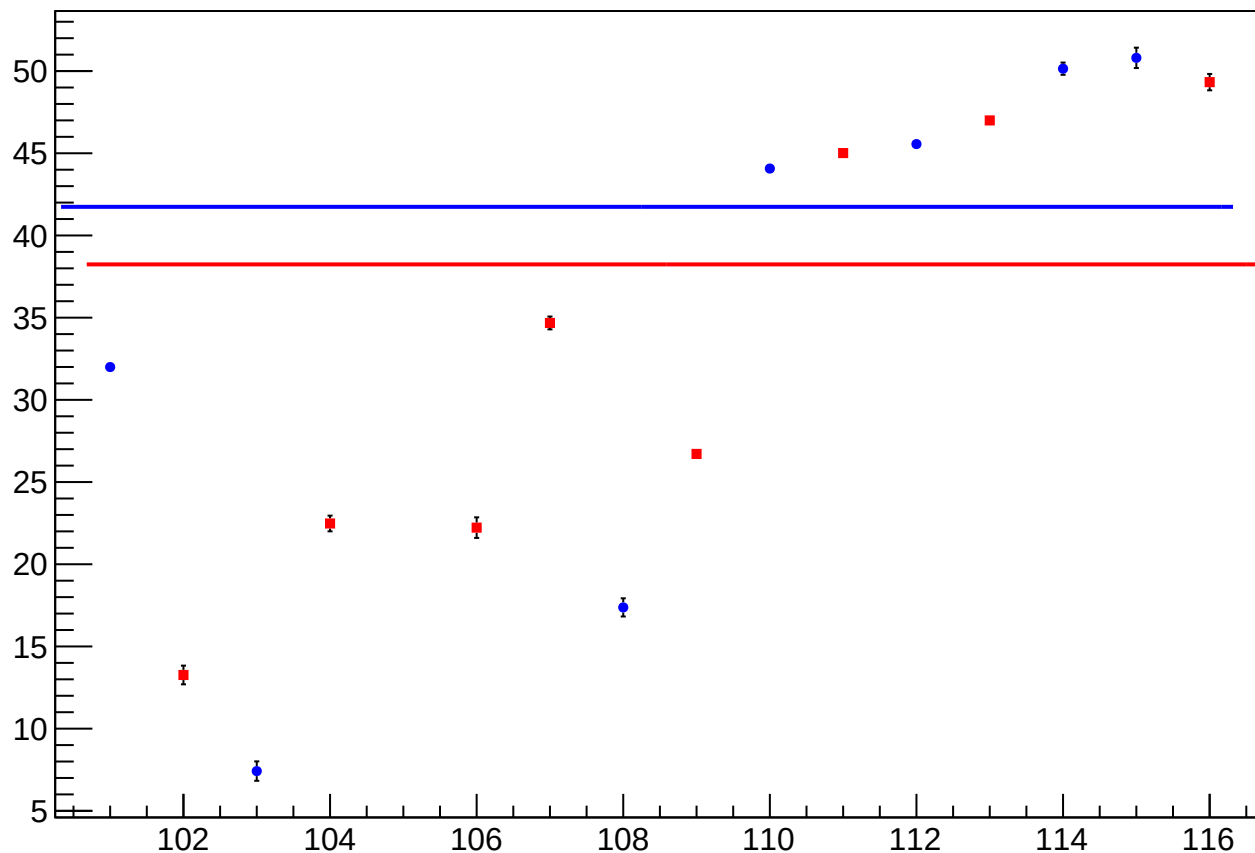
Right: -48.773+/-0.089  $\chi^2/\text{NDF}$ : 24820.6/14

In: -49.188+/-0.139  $\chi^2/\text{NDF}$ :14259.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -48.773+/-0.089  $\chi^2/\text{NDF}$ : 24820.6/14

reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 41.741 $\pm$ 0.103  $\chi^2$ /NDF: 7928.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 38.240 $\pm$ 0.090  $\chi^2$ /NDF: 12654.8/7

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

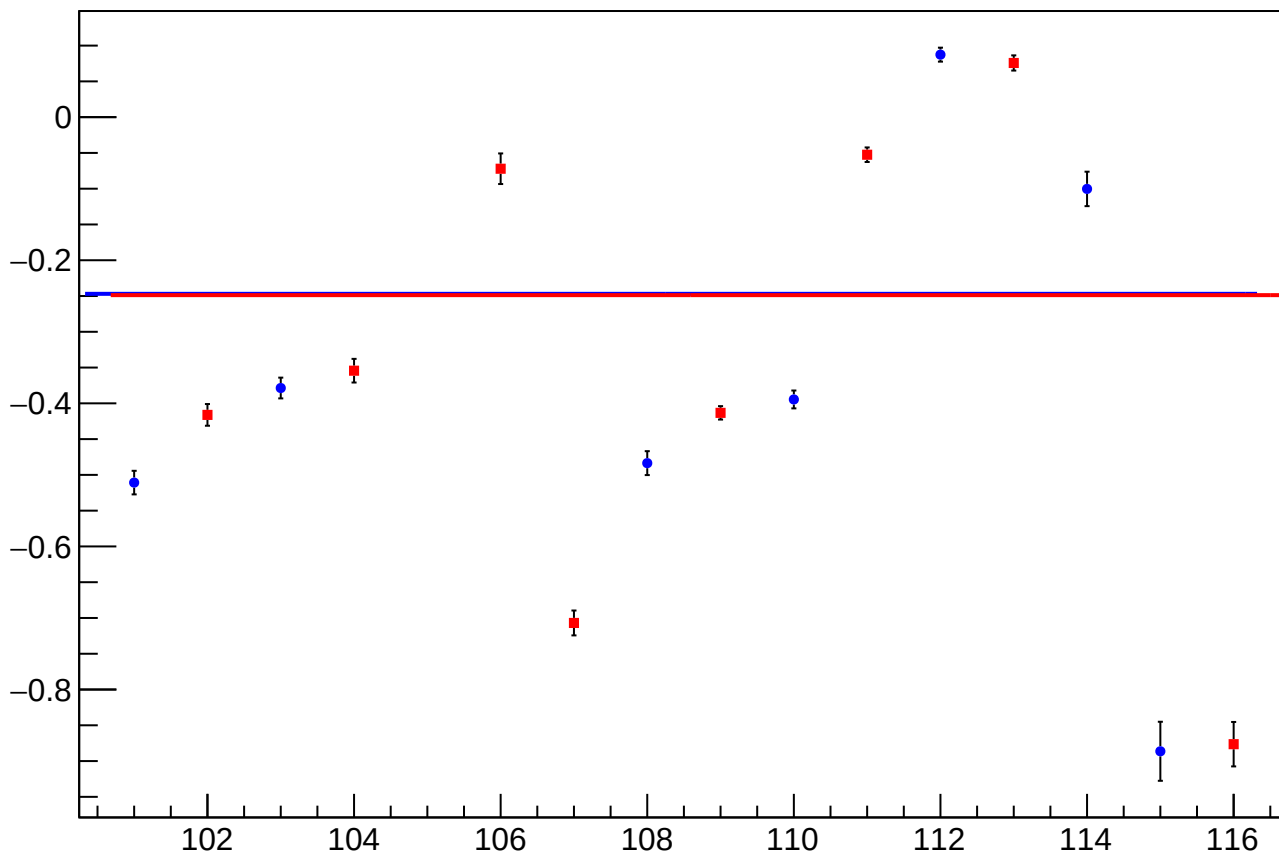
Right: 39.772 $\pm$ 0.068  $\chi^2$ /NDF: 21238.2/14

In: 41.741 $\pm$ 0.103  $\chi^2$ /NDF: 7928.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 39.772 $\pm$ 0.068  $\chi^2$ /NDF: 21238.2/14

reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.247+/-0.006  $\chi^2/\text{NDF}$ : 2131.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.249+/-0.005  $\chi^2/\text{NDF}$ : 2946.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

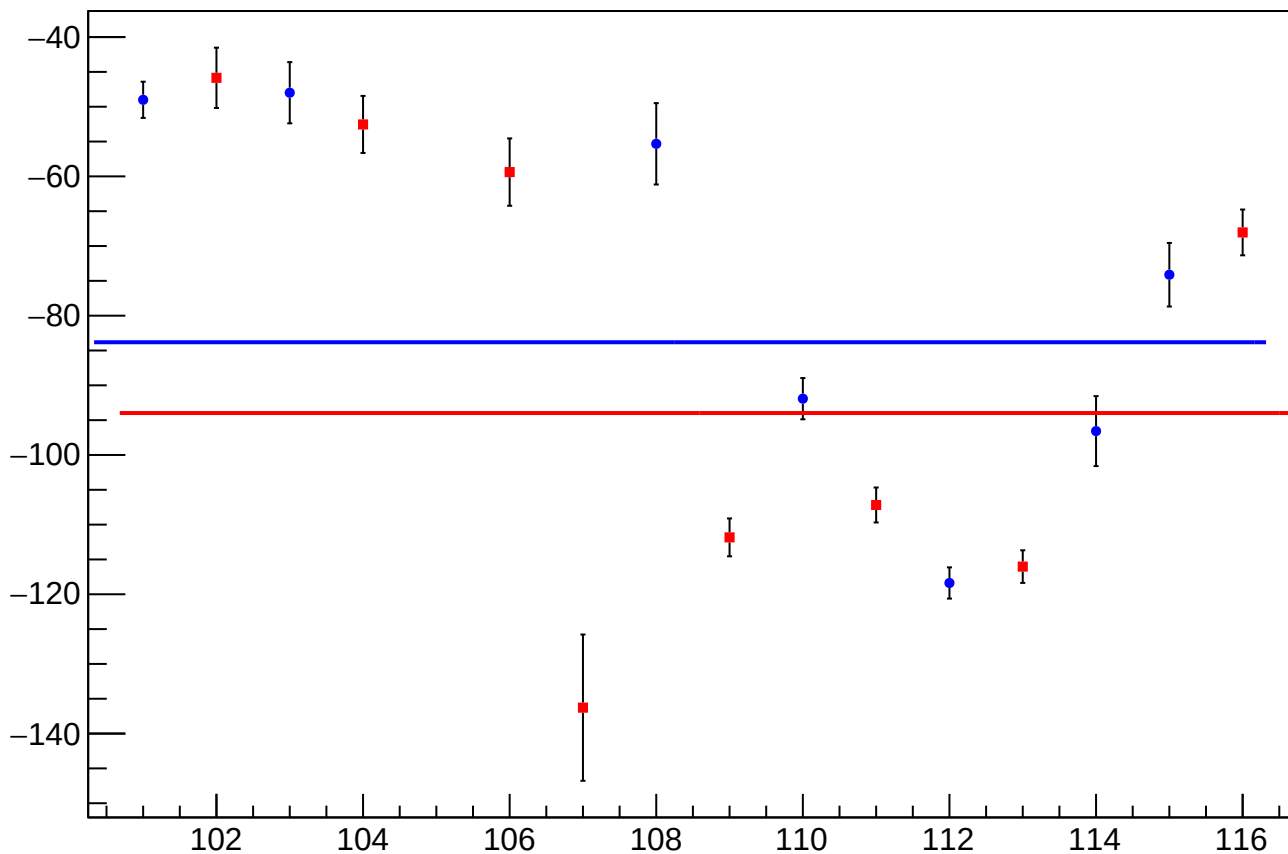
Right: -0.248+/-0.004  $\chi^2/\text{NDF}$ : 5078.0/14

In: -0.247+/-0.006  $\chi^2/\text{NDF}$ : 2131.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.248+/-0.004  $\chi^2/\text{NDF}$ : 5078.0/14

reg\_asym\_usl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -83.815 $\pm$ 1.260  $\chi^2$ /NDF: 525.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -93.976 $\pm$ 1.167  $\chi^2$ /NDF: 515.1/7

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: -89.284 $\pm$ 0.856  $\chi^2$ /NDF: 1075.8/14

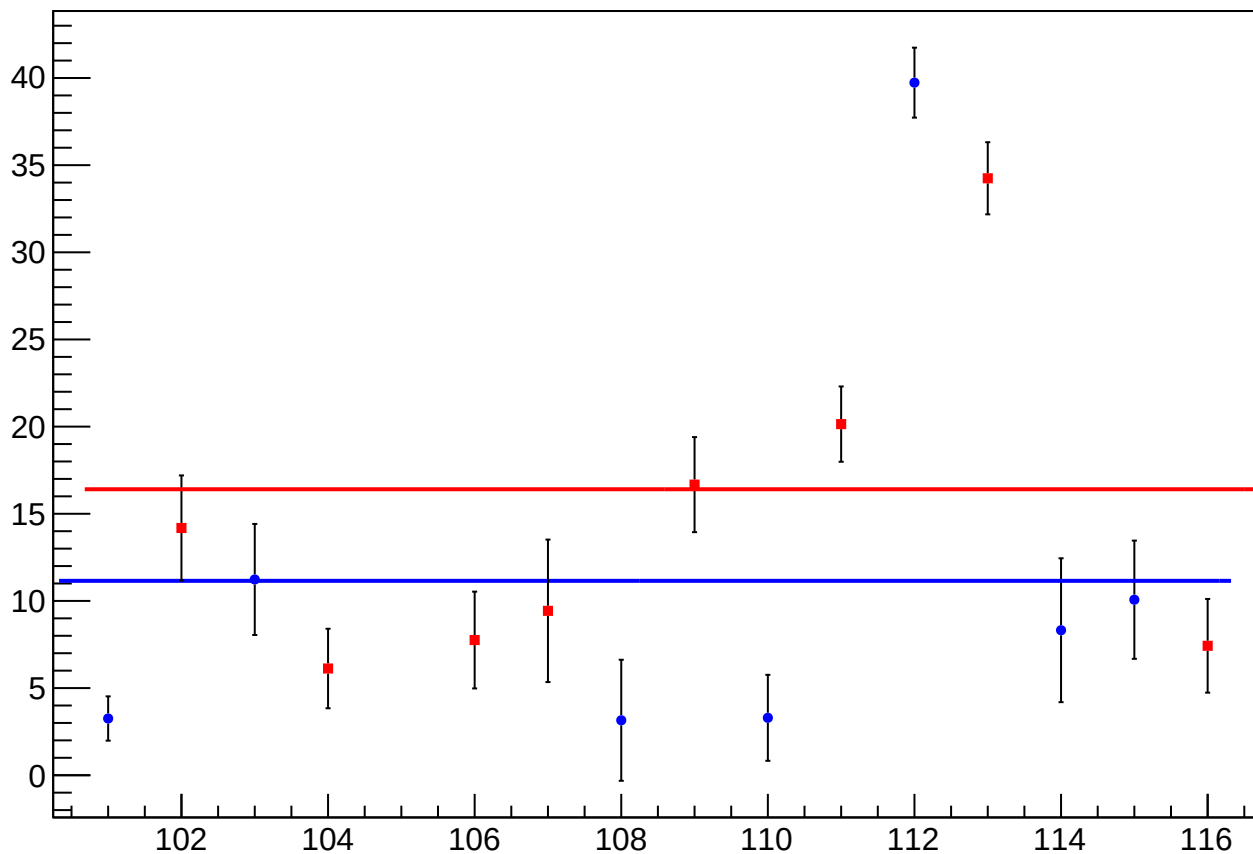
In: -83.815 $\pm$ 1.260  $\chi^2$ /NDF:525.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -89.284 $\pm$ 0.856  $\chi^2$ /NDF: 1075.8/14



reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 11.152+/-0.858  $\chi^2/\text{NDF}$ : 257.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 16.406+/-0.908  $\chi^2/\text{NDF}$ : 122.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

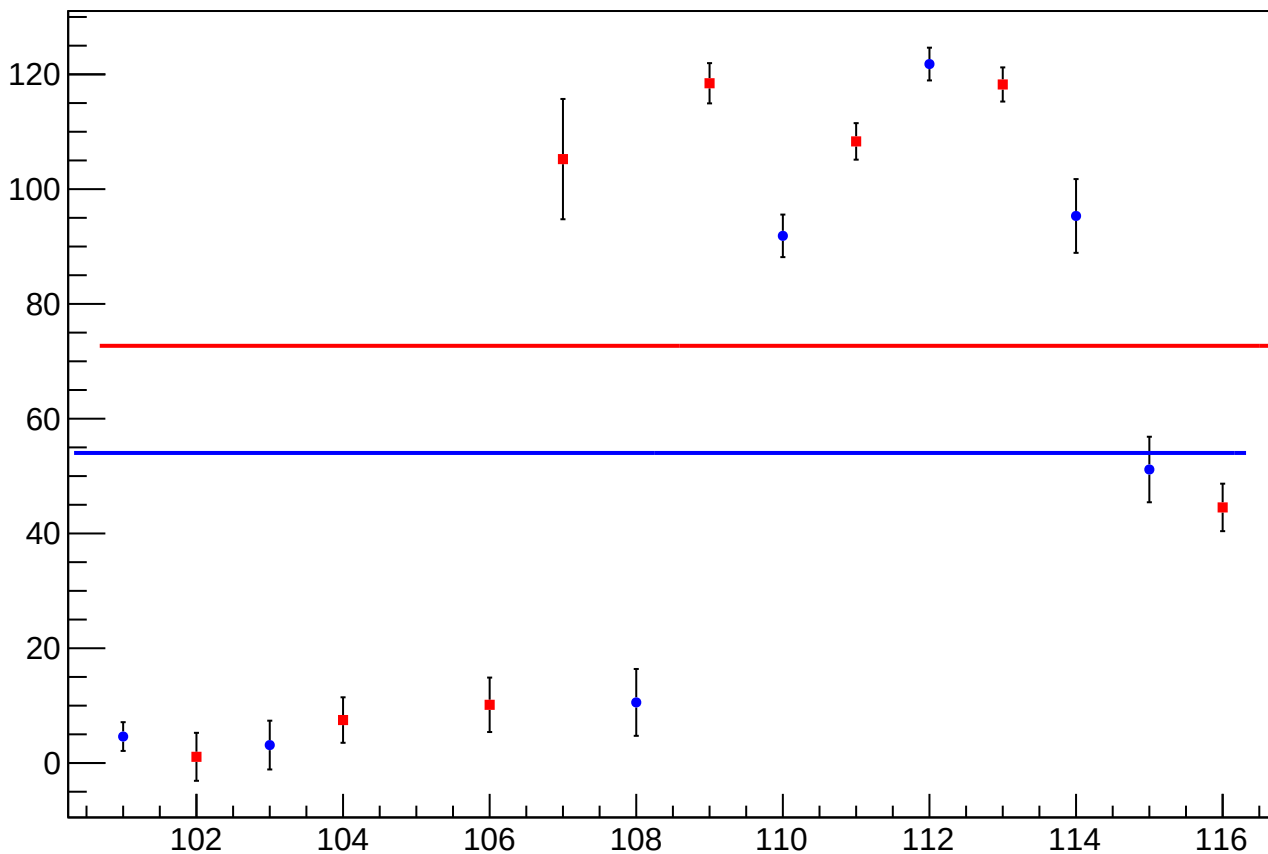
Right: 13.629+/-0.624  $\chi^2/\text{NDF}$ : 397.3/14

In: 11.152+/-0.858  $\chi^2/\text{NDF}$ : 257.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 13.629+/-0.624  $\chi^2/\text{NDF}$ : 397.3/14

reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 54.031+/-1.422  $\chi^2/\text{NDF}$ : 1297.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 72.700+/-1.379  $\chi^2/\text{NDF}$ : 1323.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

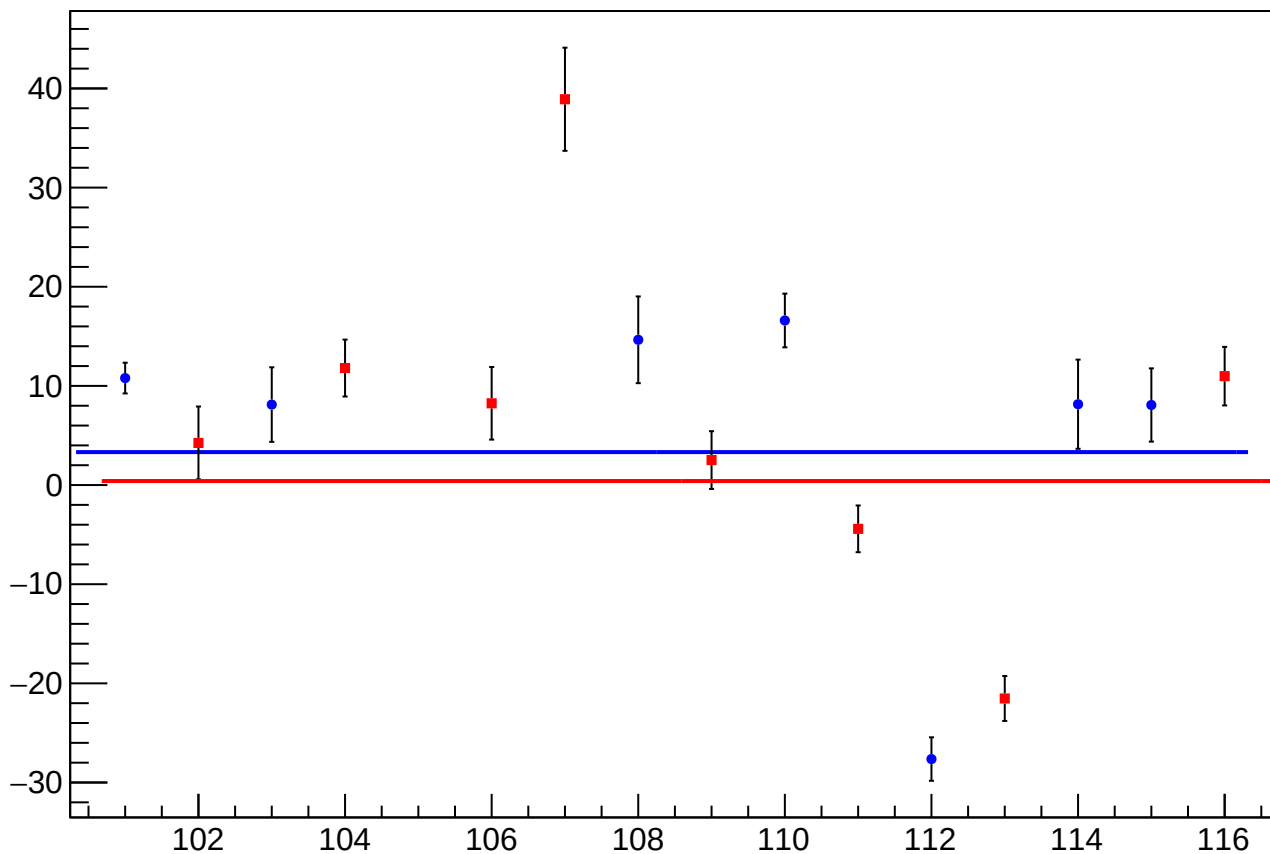
Right: 63.650+/-0.990  $\chi^2/\text{NDF}$ : 2710.1/14

In: 54.031+/-1.422  $\chi^2/\text{NDF}$ : 1297.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 63.650+/-0.990  $\chi^2/\text{NDF}$ : 2710.1/14

reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 3.323+/-0.997  $\chi^2/\text{NDF}$ : 257.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.406+/-1.046  $\chi^2/\text{NDF}$ : 187.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

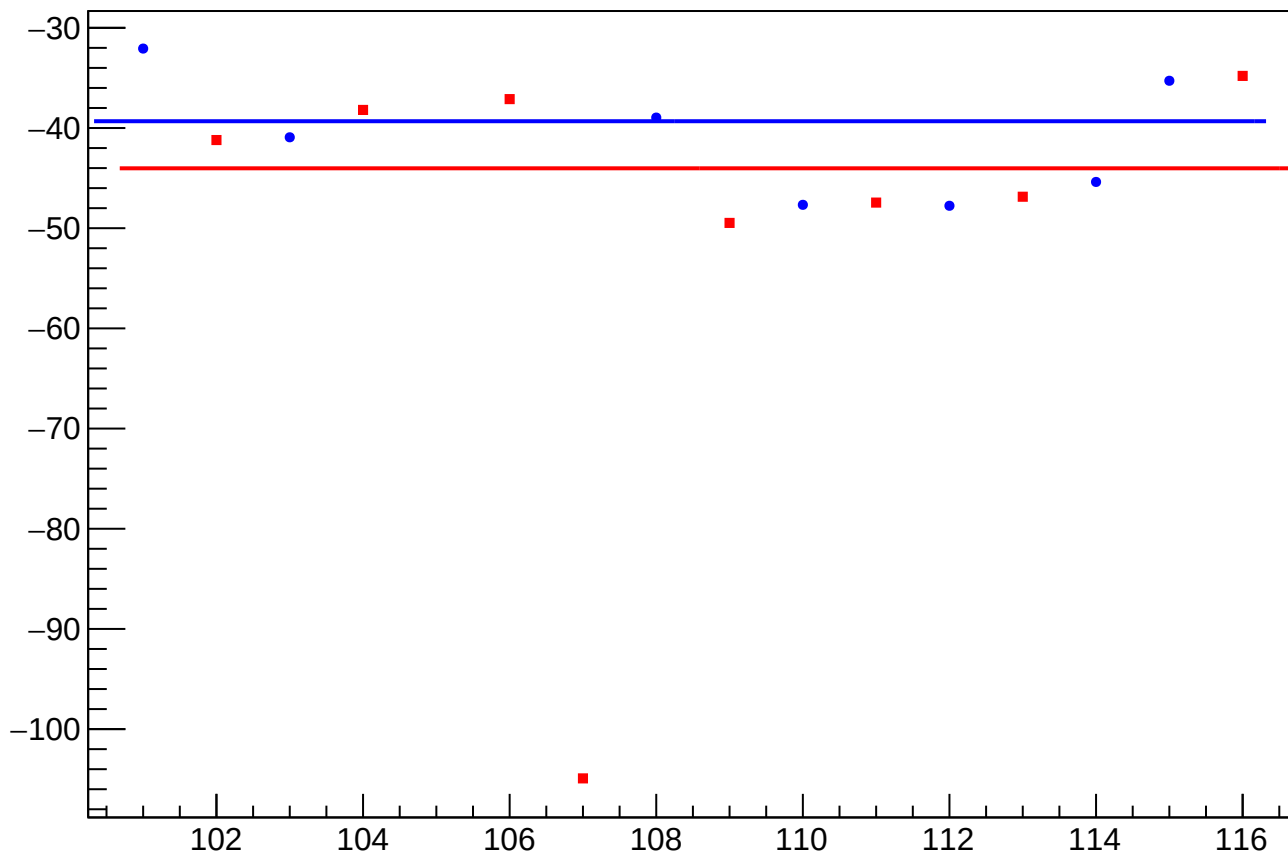
Right: 1.934+/-0.721  $\chi^2/\text{NDF}$ : 449.3/14

In: 3.323+/-0.997  $\chi^2/\text{NDF}$ : 257.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.934+/-0.721  $\chi^2/\text{NDF}$ : 449.3/14

reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -39.321+/-0.050  $\chi^2/\text{NDF}$ : 13636.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -44.022+/-0.047  $\chi^2/\text{NDF}$ : 75930.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

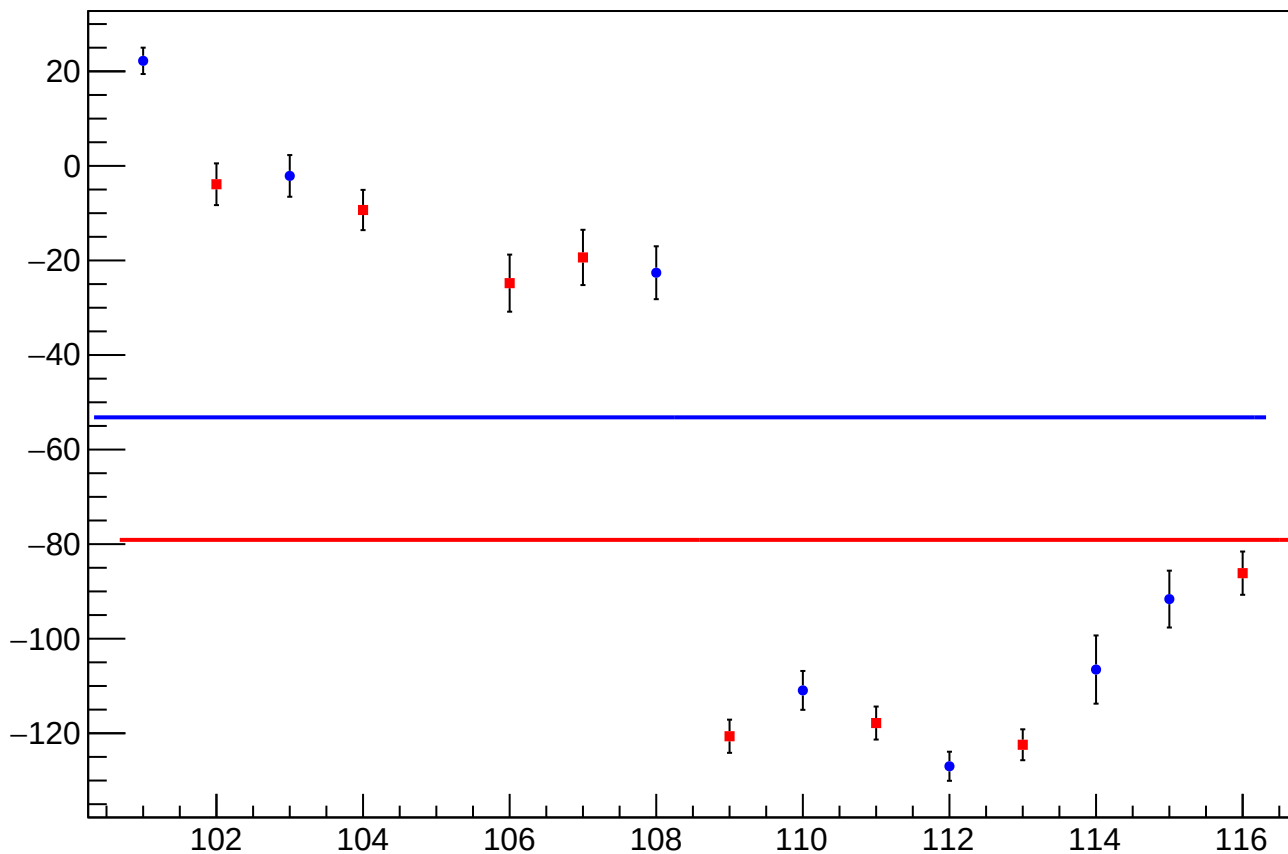
Right: -41.810+/-0.034  $\chi^2/\text{NDF}$ : 94311.1/14

In: -39.321+/-0.050  $\chi^2/\text{NDF}$ : 13636.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -41.810+/-0.034  $\chi^2/\text{NDF}$ : 94311.1/14

reg\_asym\_usr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -53.182 $\pm$ 1.536  $\chi^2$ /NDF: 1764.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -79.100 $\pm$ 1.462  $\chi^2$ /NDF: 1185.7/7

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

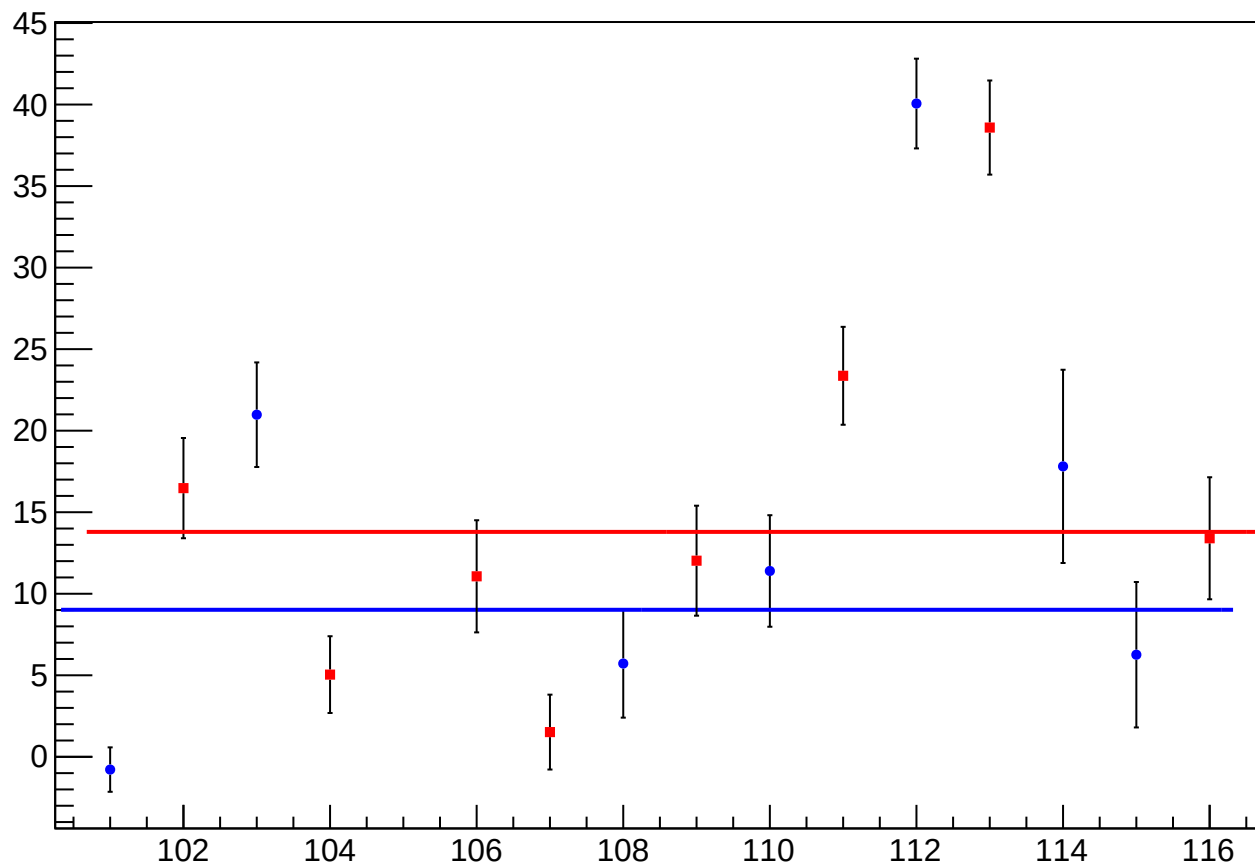
Right: -66.780 $\pm$ 1.059  $\chi^2$ /NDF: 3099.4/14

In: -53.182 $\pm$ 1.536  $\chi^2$ /NDF:1764.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -66.780 $\pm$ 1.059  $\chi^2$ /NDF: 3099.4/14

reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.017+/-0.989  $\chi^2/\text{NDF}$ : 197.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.794+/-1.025  $\chi^2/\text{NDF}$ : 128.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

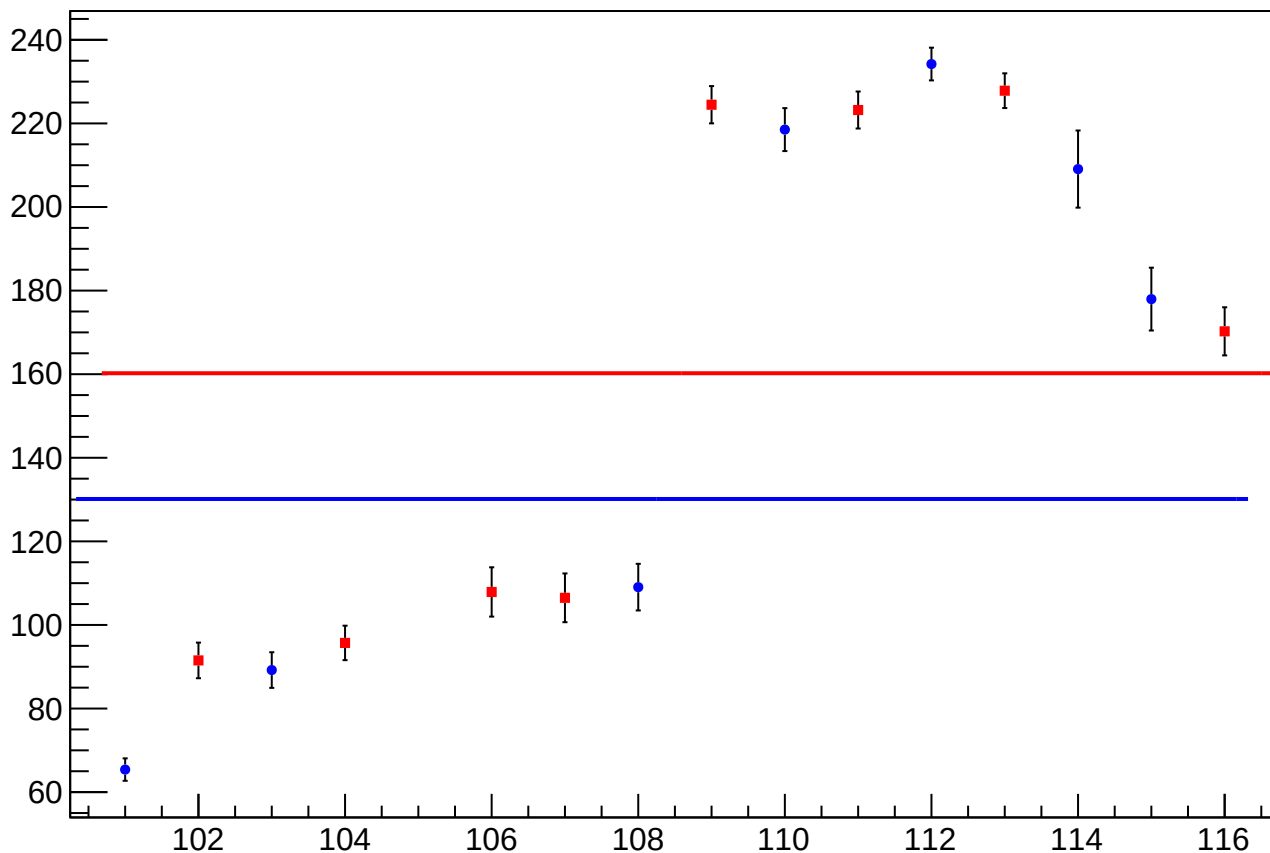
Right: 11.318+/-0.712  $\chi^2/\text{NDF}$ : 336.3/14

In: 9.017+/-0.989  $\chi^2/\text{NDF}$ : 197.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.318+/-0.712  $\chi^2/\text{NDF}$ : 336.3/14

# reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 130.139+/-1.671  $\chi^2/\text{NDF}$ : 1803.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 160.229+/-1.663  $\chi^2/\text{NDF}$ : 1346.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

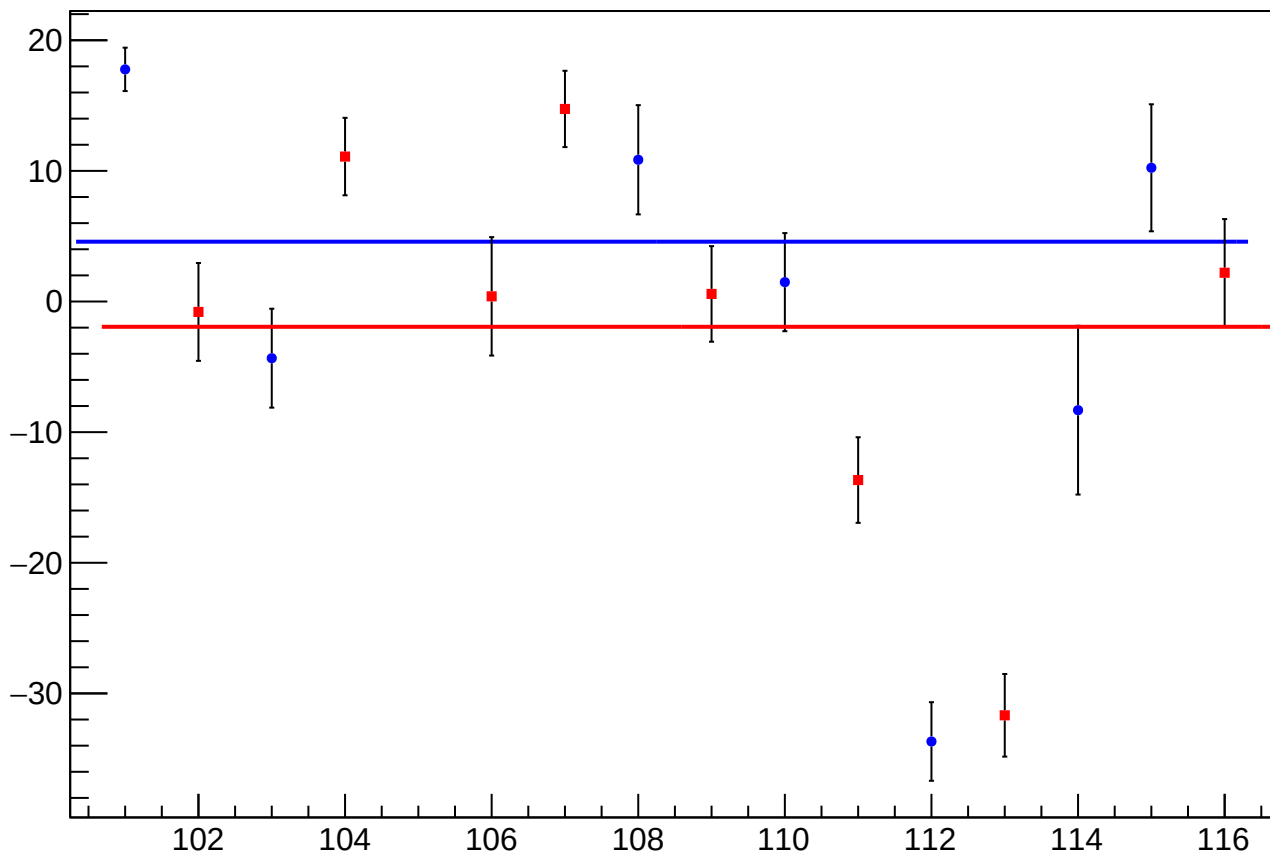
Right: 145.251+/-1.179  $\chi^2/\text{NDF}$ : 3312.3/14

In: 130.139+/-1.671  $\chi^2/\text{NDF}$ : 1803.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 145.251+/-1.179  $\chi^2/\text{NDF}$ : 3312.3/14

reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.580 $\pm$ 1.165  $\chi^2$ /NDF: 238.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.935 $\pm$ 1.214  $\chi^2$ /NDF: 155.0/7

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: 1.458 $\pm$ 0.841  $\chi^2$ /NDF: 408.5/14

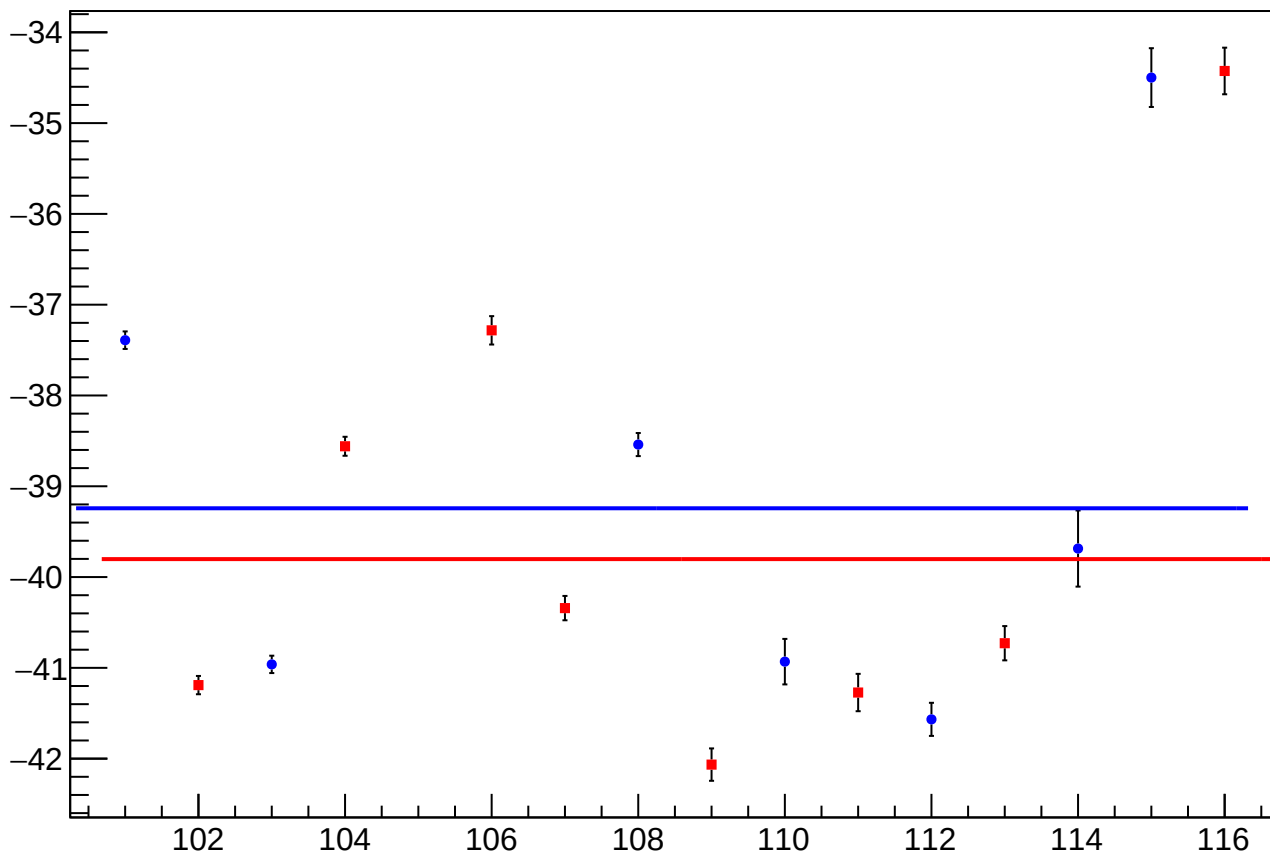
In: 4.580 $\pm$ 1.165  $\chi^2$ /NDF:238.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.458 $\pm$ 0.841  $\chi^2$ /NDF: 408.5/14



reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -39.242 $\pm$ 0.054  $\chi^2$ /NDF: 1145.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -39.802 $\pm$ 0.051  $\chi^2$ /NDF: 1282.0/7

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

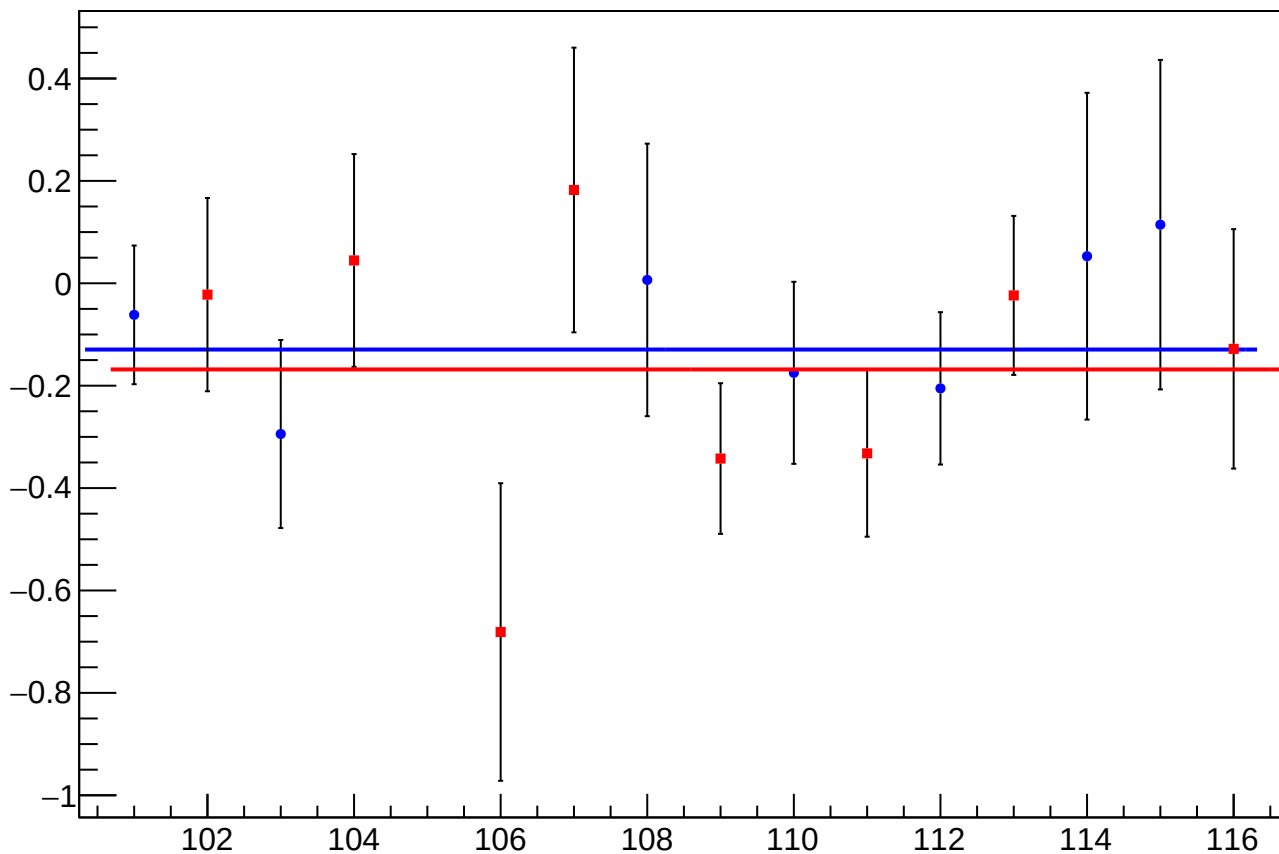
Right: -39.540 $\pm$ 0.037  $\chi^2$ /NDF: 2483.8/14

In: -39.242 $\pm$ 0.054  $\chi^2$ /NDF:1145.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -39.540 $\pm$ 0.037  $\chi^2$ /NDF: 2483.8/14

reg\_asym\_dsl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.129 \pm 0.072$   $\chi^2/\text{NDF}$ : 2.5/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.168 \pm 0.067$   $\chi^2/\text{NDF}$ : 9.7/7

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

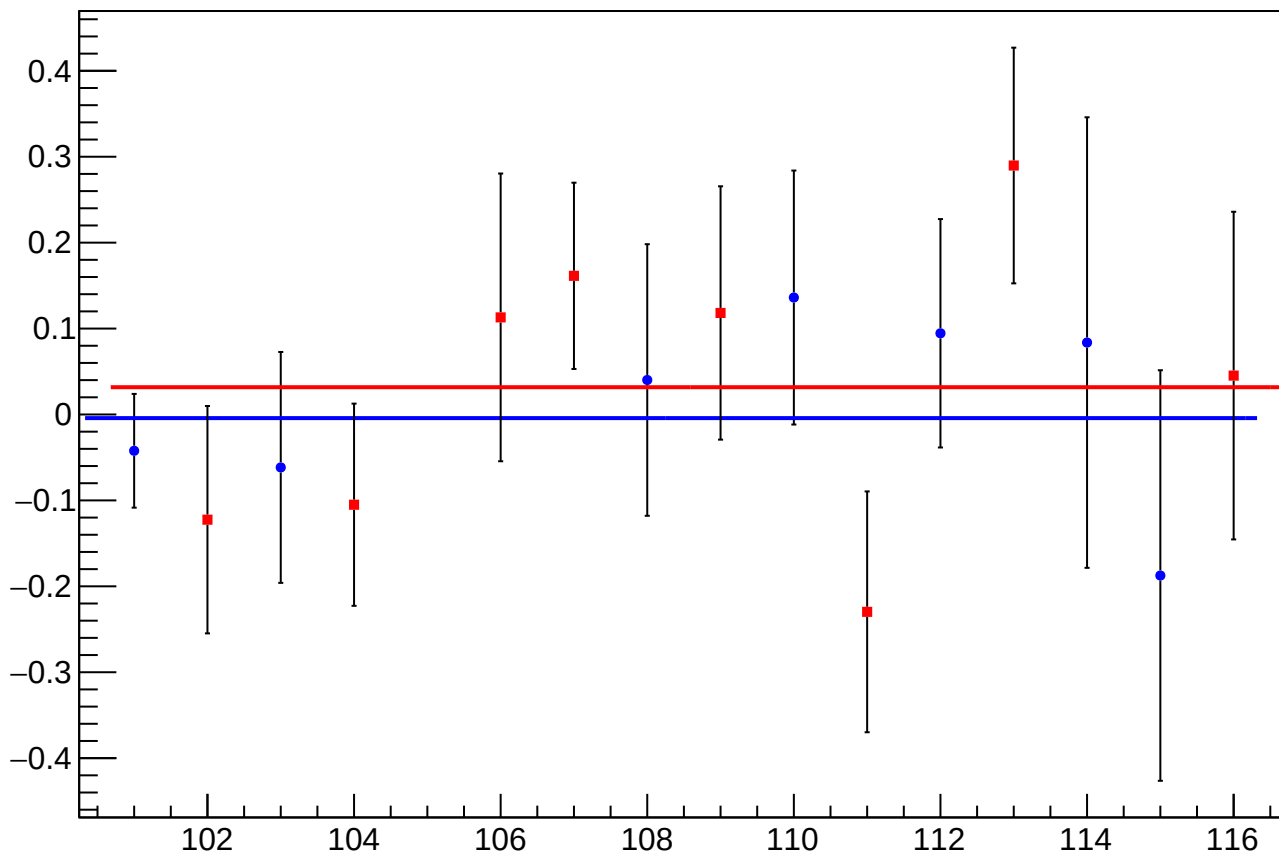
Right:  $-0.150 \pm 0.049$   $\chi^2/\text{NDF}$ : 12.4/14

In:  $-0.129 \pm 0.072$   $\chi^2/\text{NDF}$ : 2.5/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.150 \pm 0.049$   $\chi^2/\text{NDF}$ : 12.4/14

reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.004 $\pm$ 0.047  $\chi^2$ /NDF: 2.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.032 $\pm$ 0.048  $\chi^2$ /NDF: 11.7/7

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

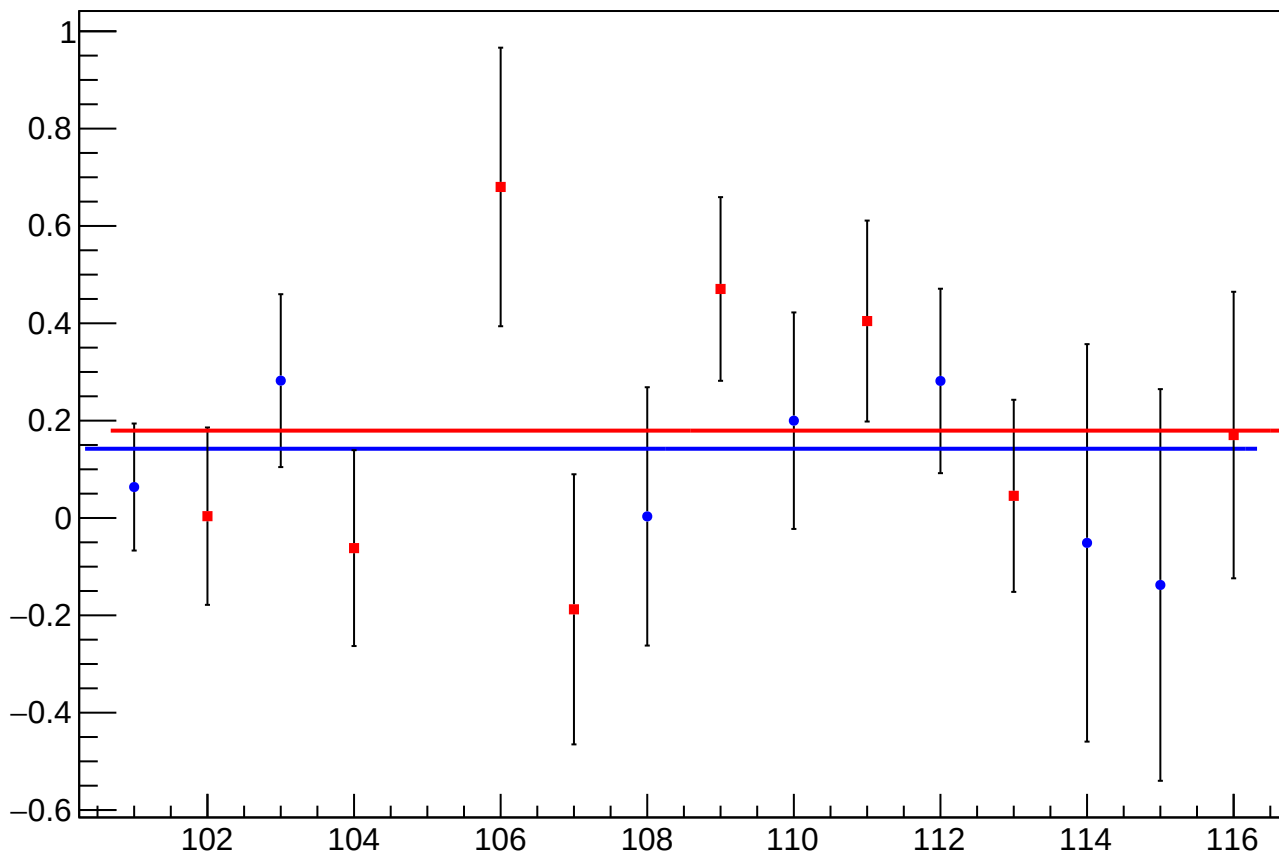
Right: 0.013 $\pm$ 0.034  $\chi^2$ /NDF: 14.8/14

In: -0.004 $\pm$ 0.047  $\chi^2$ /NDF:2.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.013 $\pm$ 0.034  $\chi^2$ /NDF: 14.8/14

reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.078  $\chi^2$ /NDF: 2.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.179 $\pm$ 0.077  $\chi^2$ /NDF: 11.2/7

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

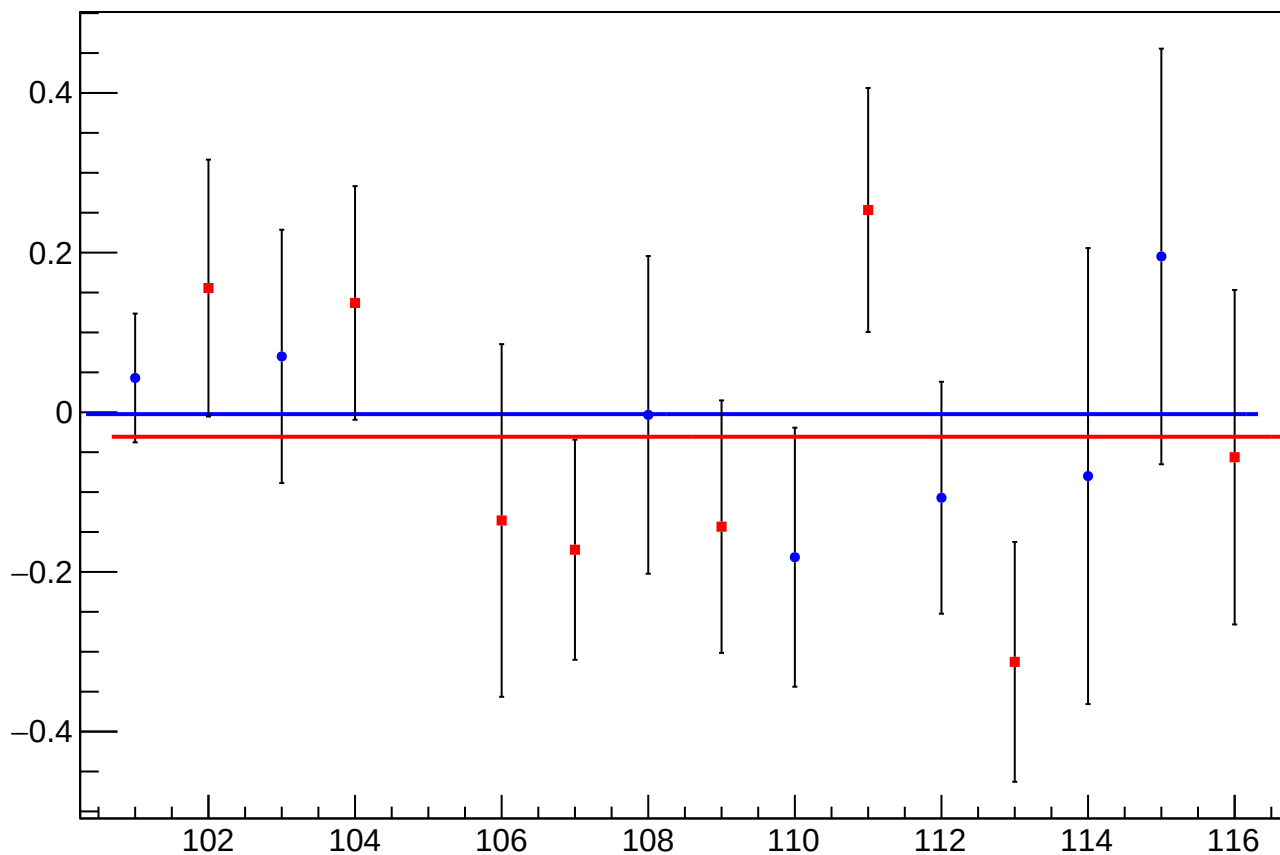
Right: 0.161 $\pm$ 0.055  $\chi^2$ /NDF: 13.9/14

In: 0.142 $\pm$ 0.078  $\chi^2$ /NDF:2.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.161 $\pm$ 0.055  $\chi^2$ /NDF: 13.9/14

reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -0.002 $\pm$ 0.055  $\chi^2$ /NDF: 2.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.031 $\pm$ 0.057  $\chi^2$ /NDF: 11.4/7

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

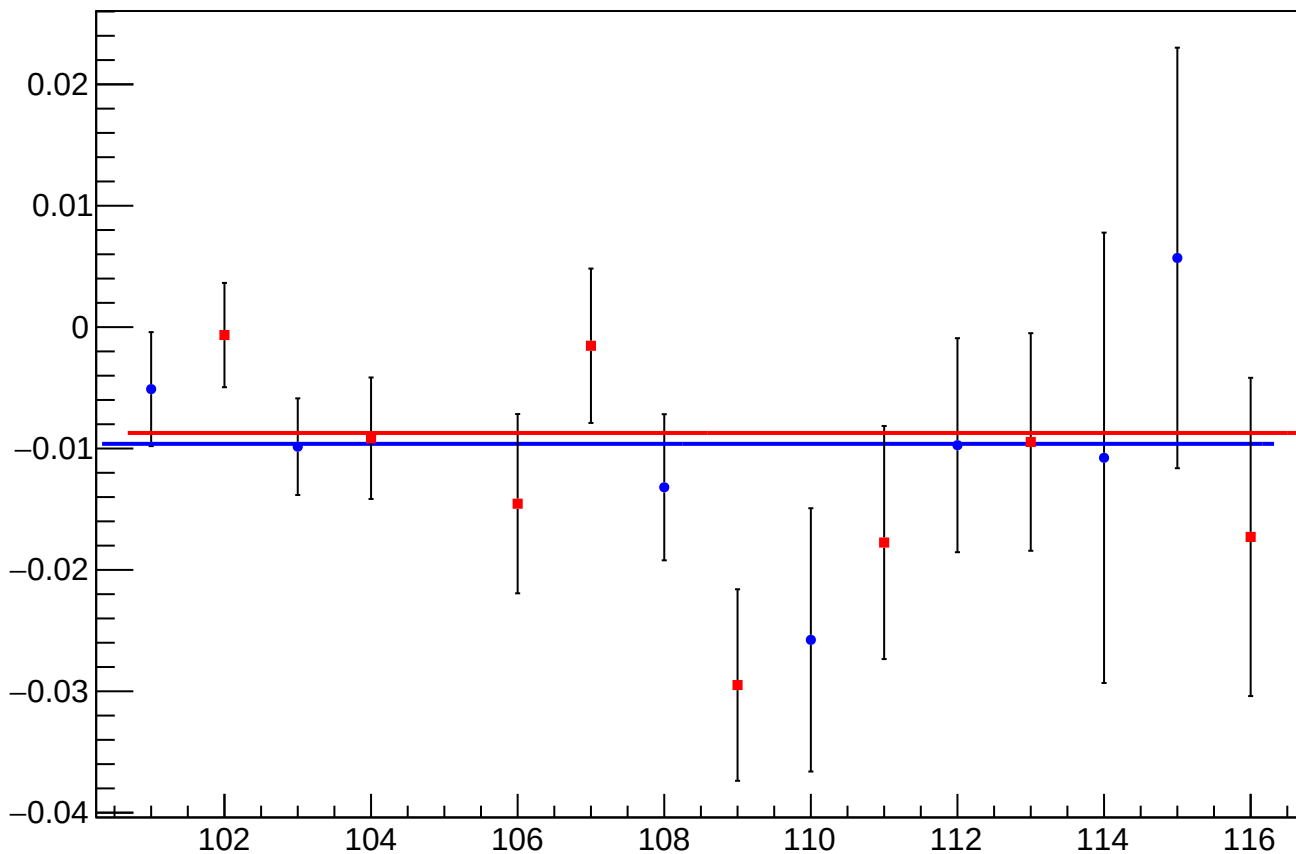
Right: -0.016 $\pm$ 0.040  $\chi^2$ /NDF: 14.5/14

In: -0.002 $\pm$ 0.055  $\chi^2$ /NDF:2.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.016 $\pm$ 0.040  $\chi^2$ /NDF: 14.5/14

reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.002  $\chi^2/\text{NDF}$ : 4.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.009+/-0.002  $\chi^2/\text{NDF}$ : 13.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

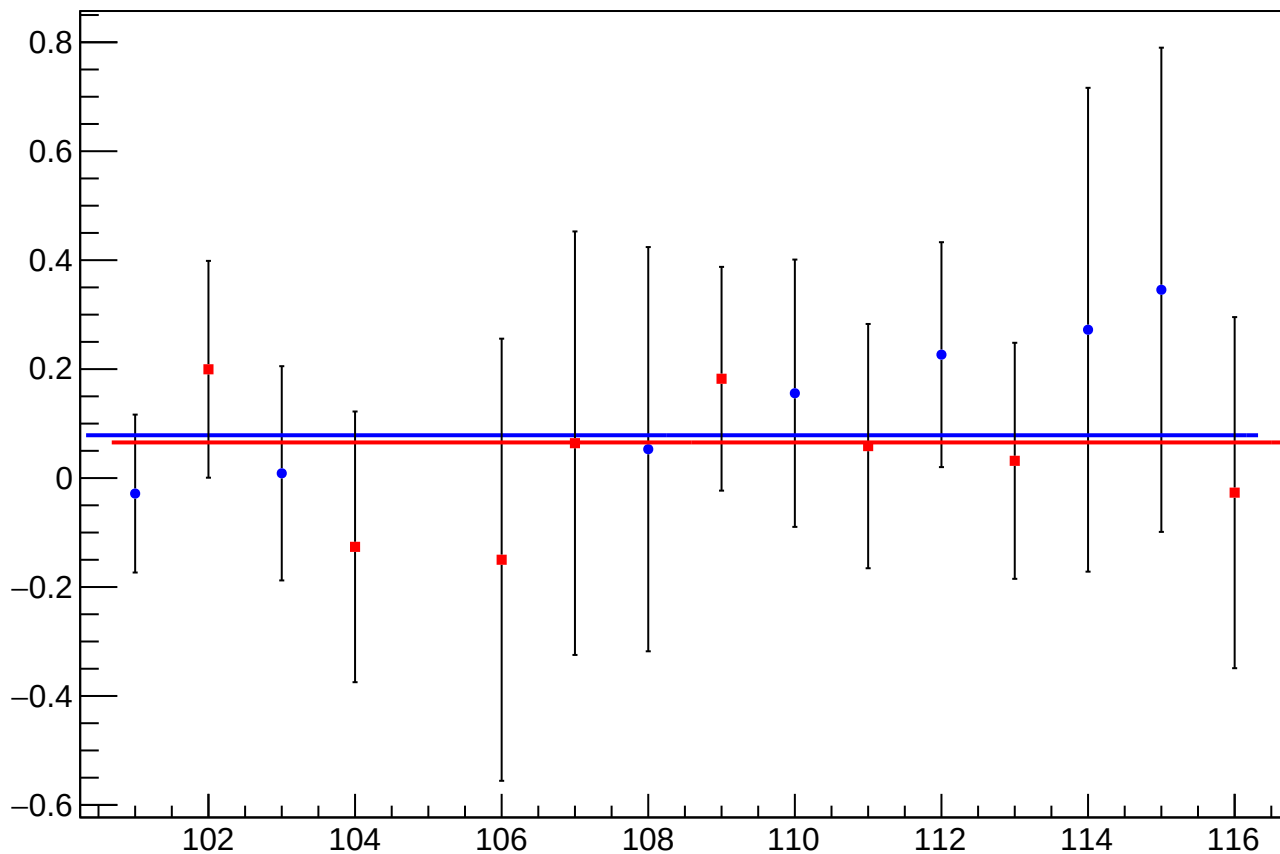
Right: -0.009+/-0.002  $\chi^2/\text{NDF}$ : 18.0/14

In: -0.010+/-0.002  $\chi^2/\text{NDF}$ :4.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.009+/-0.002  $\chi^2/\text{NDF}$ : 18.0/14

reg\_asym\_dsr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 0.079+/-0.087  $\chi^2/\text{NDF}$ : 1.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.065+/-0.088  $\chi^2/\text{NDF}$ : 1.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

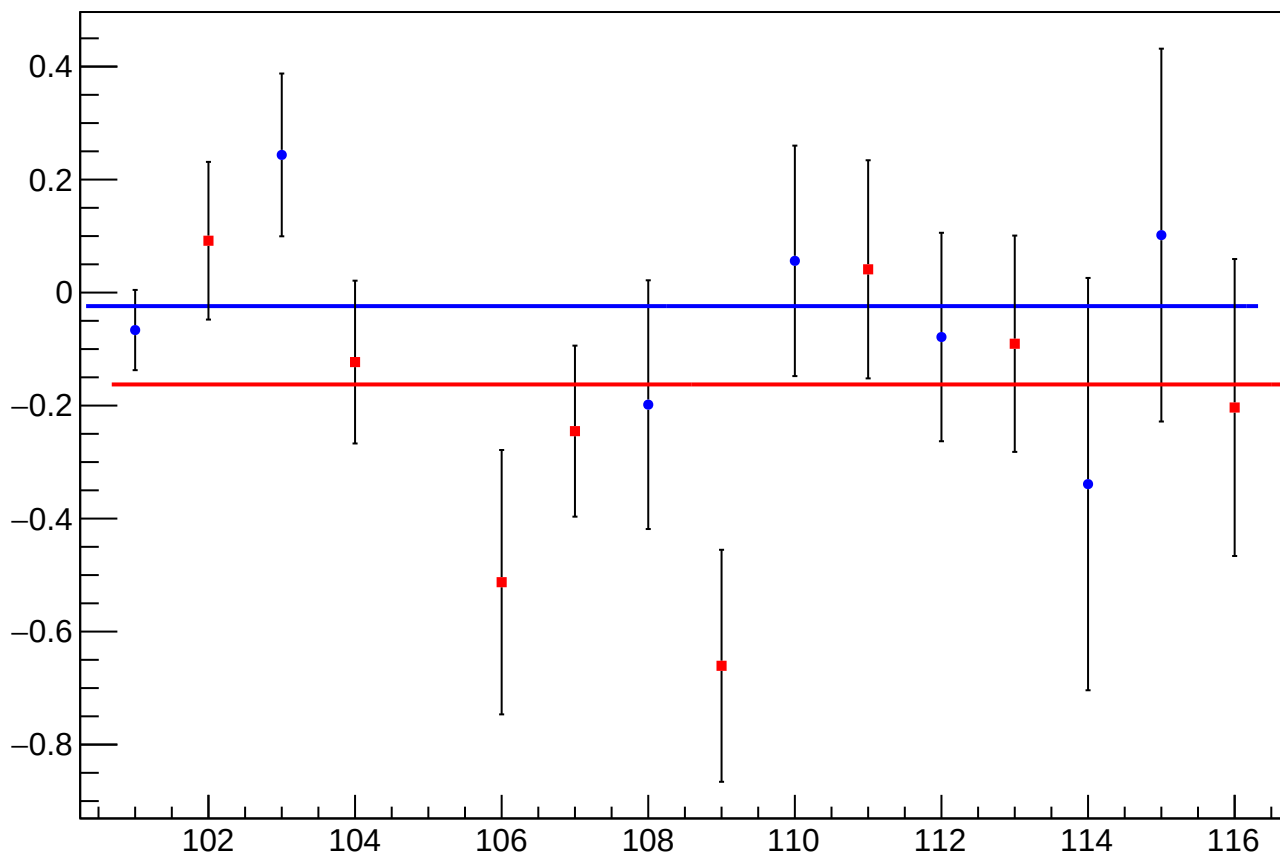
Right: 0.072+/-0.062  $\chi^2/\text{NDF}$ : 3.6/14

In: 0.079+/-0.087  $\chi^2/\text{NDF}$ : 1.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.072+/-0.062  $\chi^2/\text{NDF}$ : 3.6/14

reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.054  $\chi^2/\text{NDF}$ : 5.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.163+/-0.063  $\chi^2/\text{NDF}$ : 13.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -0.083+/-0.041  $\chi^2/\text{NDF}$ : 21.4/14

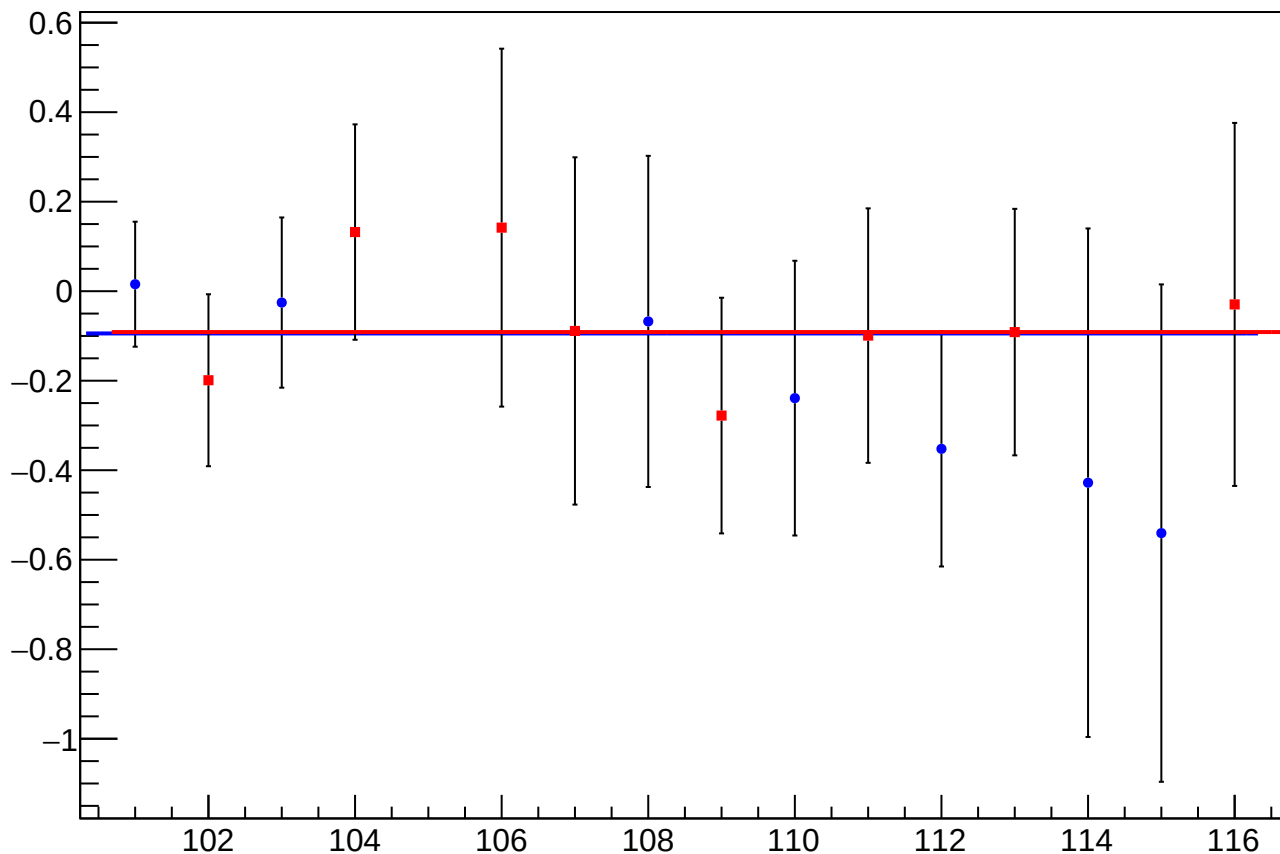
In: -0.024+/-0.054  $\chi^2/\text{NDF}$ :5.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.083+/-0.041  $\chi^2/\text{NDF}$ : 21.4/14



reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -0.094+/-0.092  $\chi^2/\text{NDF}$ : 2.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.091+/-0.098  $\chi^2/\text{NDF}$ : 2.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

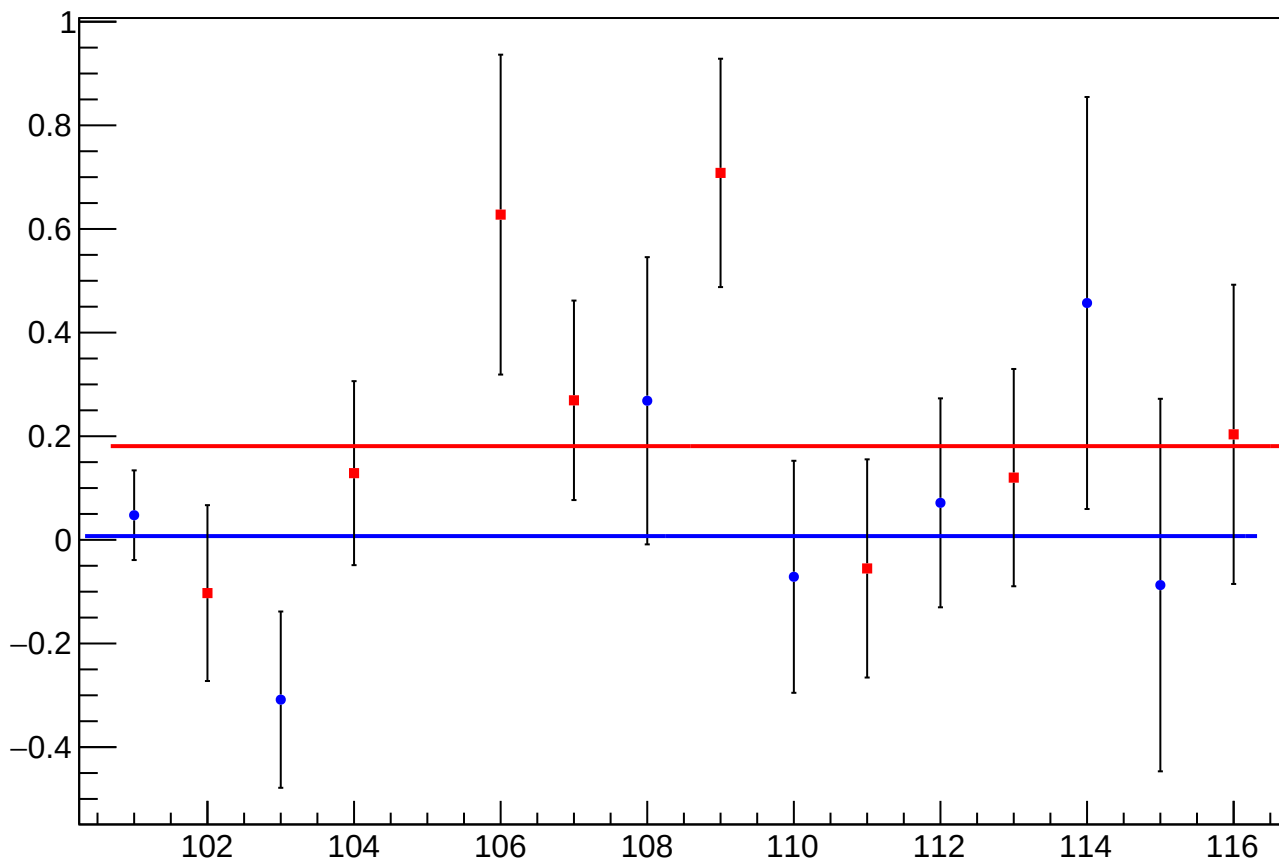
Right: -0.093+/-0.067  $\chi^2/\text{NDF}$ : 5.0/14

In: -0.094+/-0.092  $\chi^2/\text{NDF}$ : 2.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.093+/-0.067  $\chi^2/\text{NDF}$ : 5.0/14

reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.065  $\chi^2$ /NDF: 6.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.181 $\pm$ 0.074  $\chi^2$ /NDF: 12.3/7

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

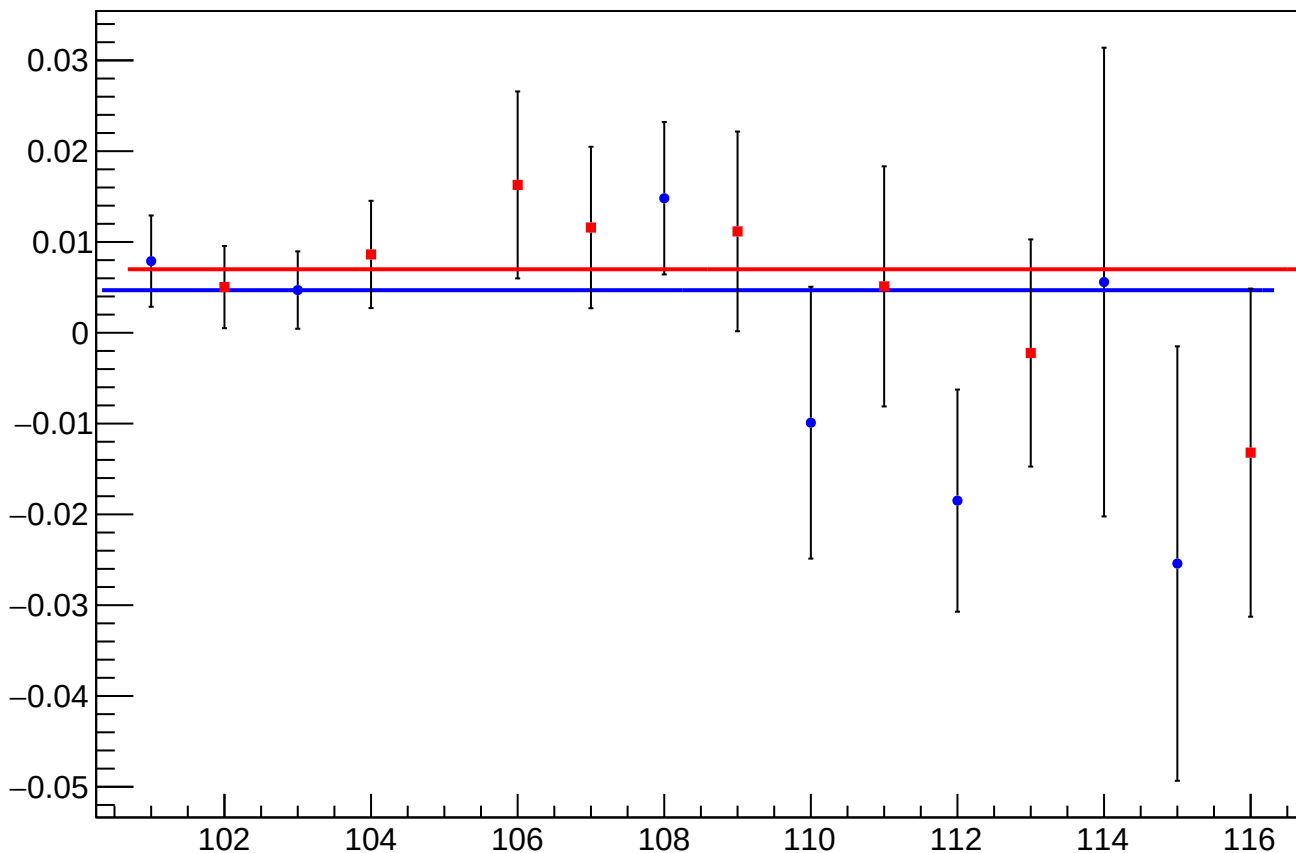
Right: 0.082 $\pm$ 0.049  $\chi^2$ /NDF: 21.5/14

In: 0.007 $\pm$ 0.065  $\chi^2$ /NDF:6.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.082 $\pm$ 0.049  $\chi^2$ /NDF: 21.5/14

reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.005+/-0.003  $\chi^2/\text{NDF}$ : 8.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.007+/-0.003  $\chi^2/\text{NDF}$ : 3.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

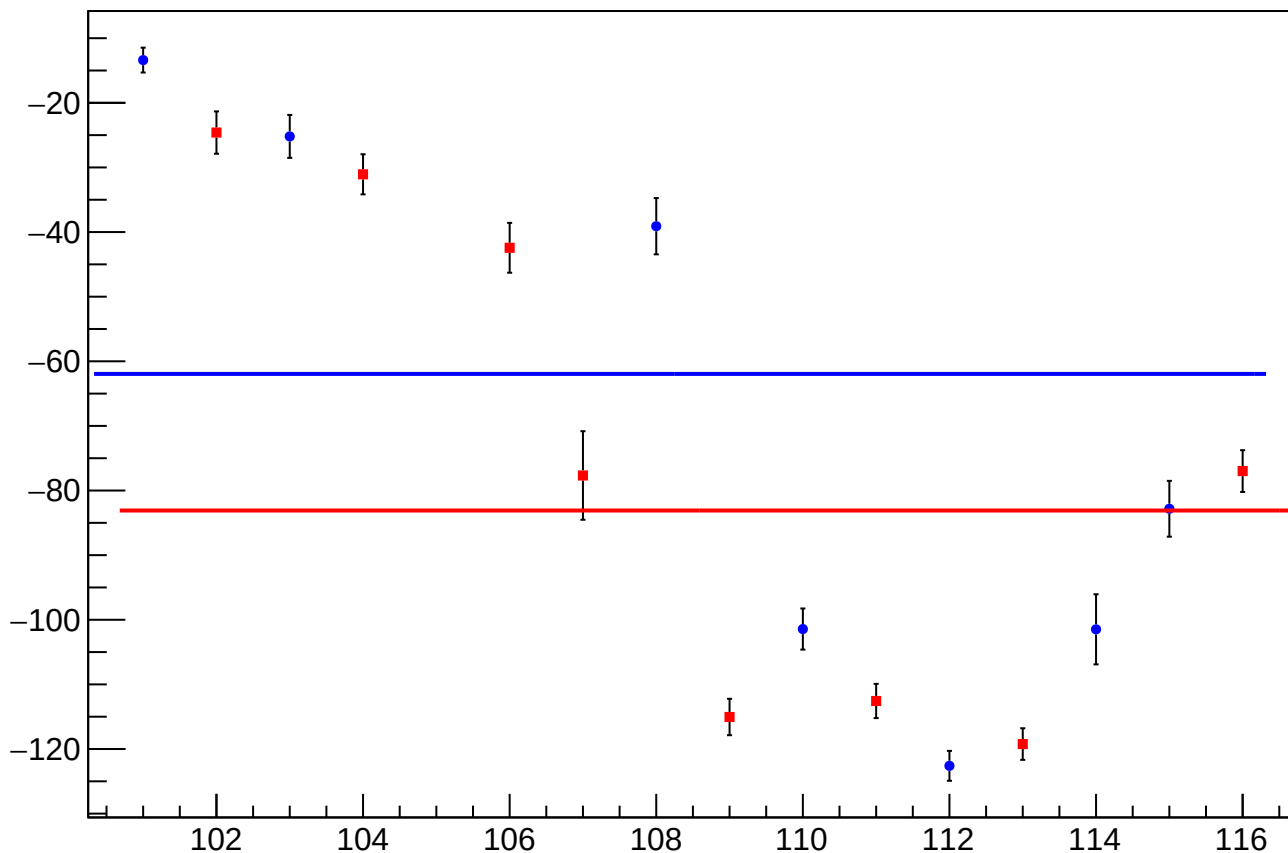
Right: 0.006+/-0.002  $\chi^2/\text{NDF}$ : 11.6/14

In: 0.005+/-0.003  $\chi^2/\text{NDF}$ : 8.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.006+/-0.002  $\chi^2/\text{NDF}$ : 11.6/14

reg\_asym\_us\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -61.952 $\pm$ 1.127  $\chi^2$ /NDF: 1704.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -83.093 $\pm$ 1.106  $\chi^2$ /NDF: 1185.7/7

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

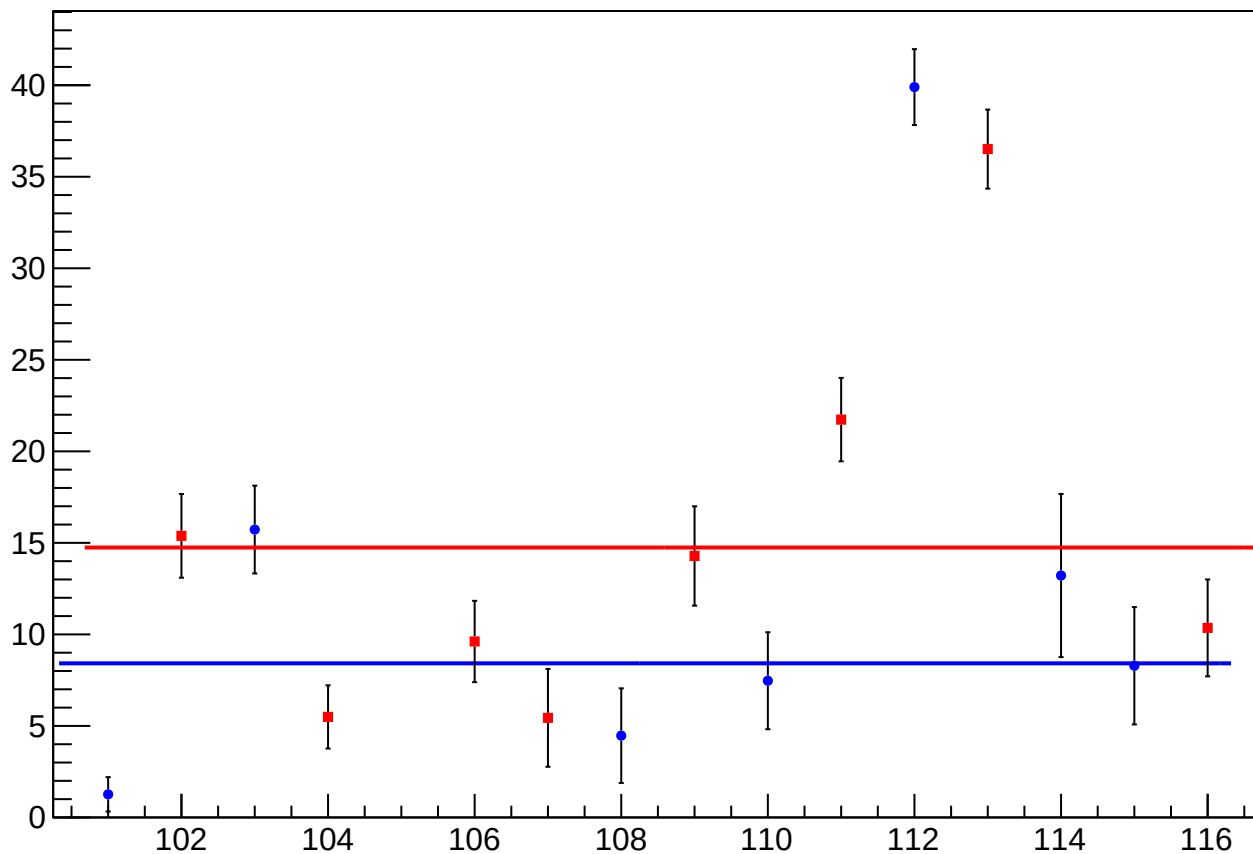
Right: -72.722 $\pm$ 0.790  $\chi^2$ /NDF: 3069.0/14

In: -61.952 $\pm$ 1.127  $\chi^2$ /NDF:1704.2/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -72.722 $\pm$ 0.790  $\chi^2$ /NDF: 3069.0/14

reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.419+/-0.711  $\chi^2/\text{NDF}$ : 301.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.747+/-0.802  $\chi^2/\text{NDF}$ : 160.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

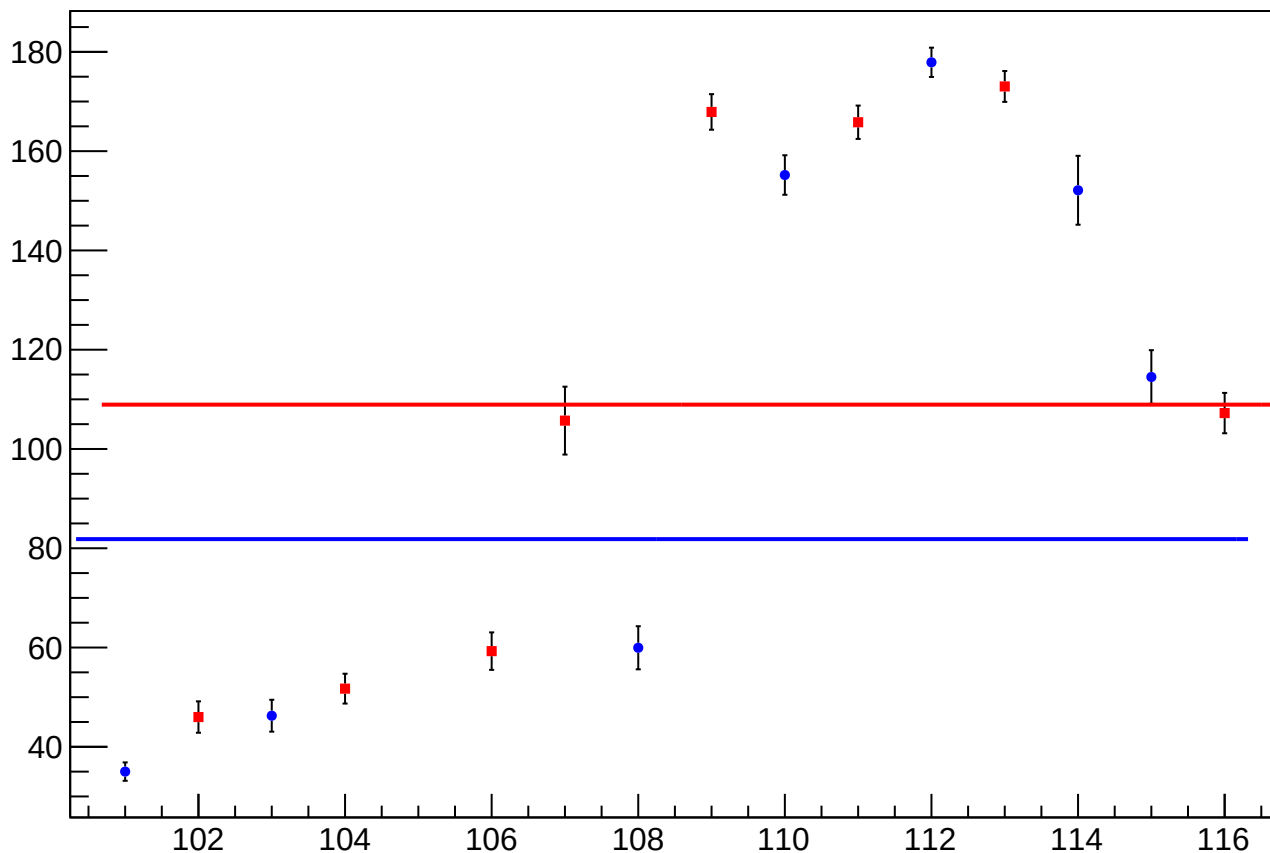
Right: 11.204+/-0.532  $\chi^2/\text{NDF}$ : 496.3/14

In: 8.419+/-0.711  $\chi^2/\text{NDF}$ : 301.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.204+/-0.532  $\chi^2/\text{NDF}$ : 496.3/14

reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 81.842 $\pm$ 1.218  $\chi^2$ /NDF: 2326.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 108.932 $\pm$ 1.257  $\chi^2$ /NDF: 1915.2/7

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

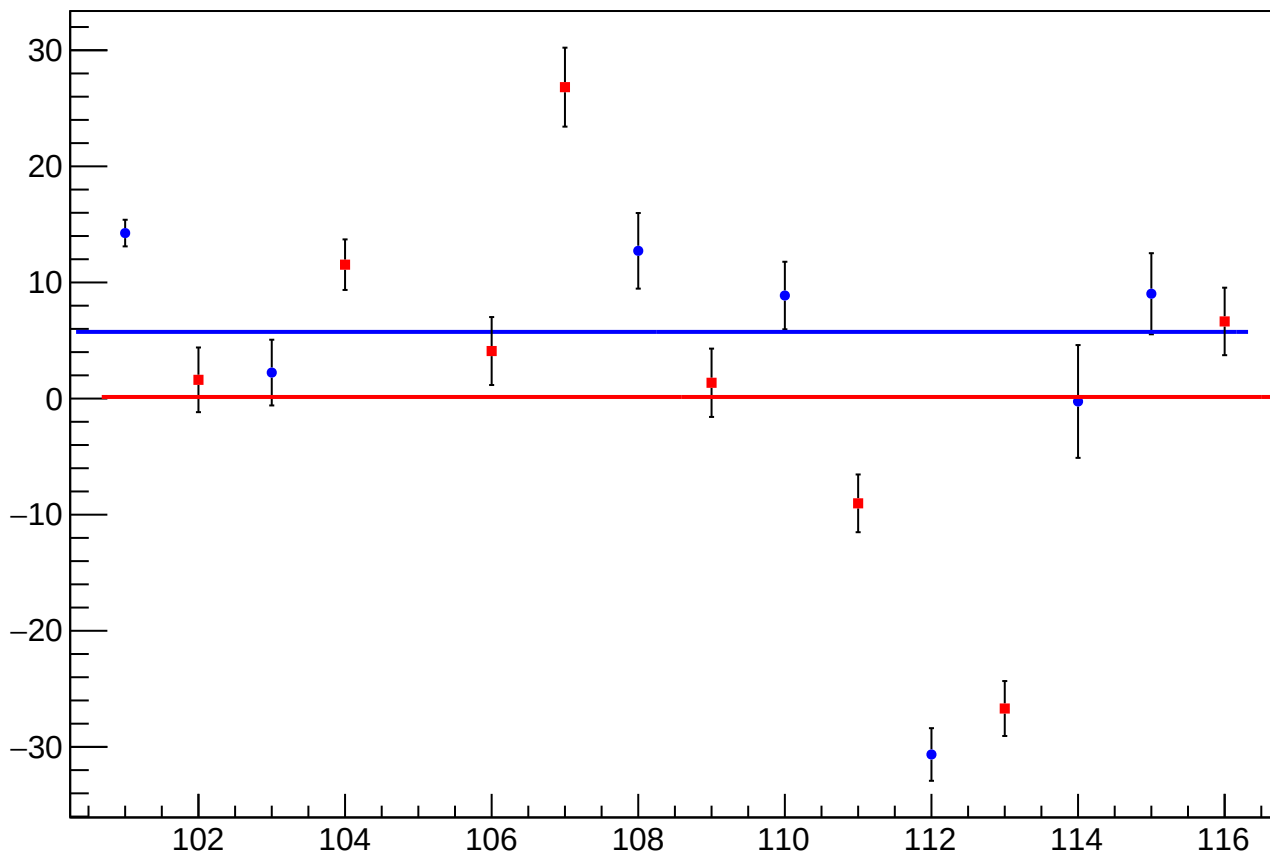
Right: 94.956 $\pm$ 0.875  $\chi^2$ /NDF: 4481.7/14

In: 81.842 $\pm$ 1.218  $\chi^2$ /NDF:2326.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 94.956 $\pm$ 0.875  $\chi^2$ /NDF: 4481.7/14

reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.742 $\pm$ 0.840  $\chi^2$ /NDF: 322.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.138 $\pm$ 0.946  $\chi^2$ /NDF: 238.4/7

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

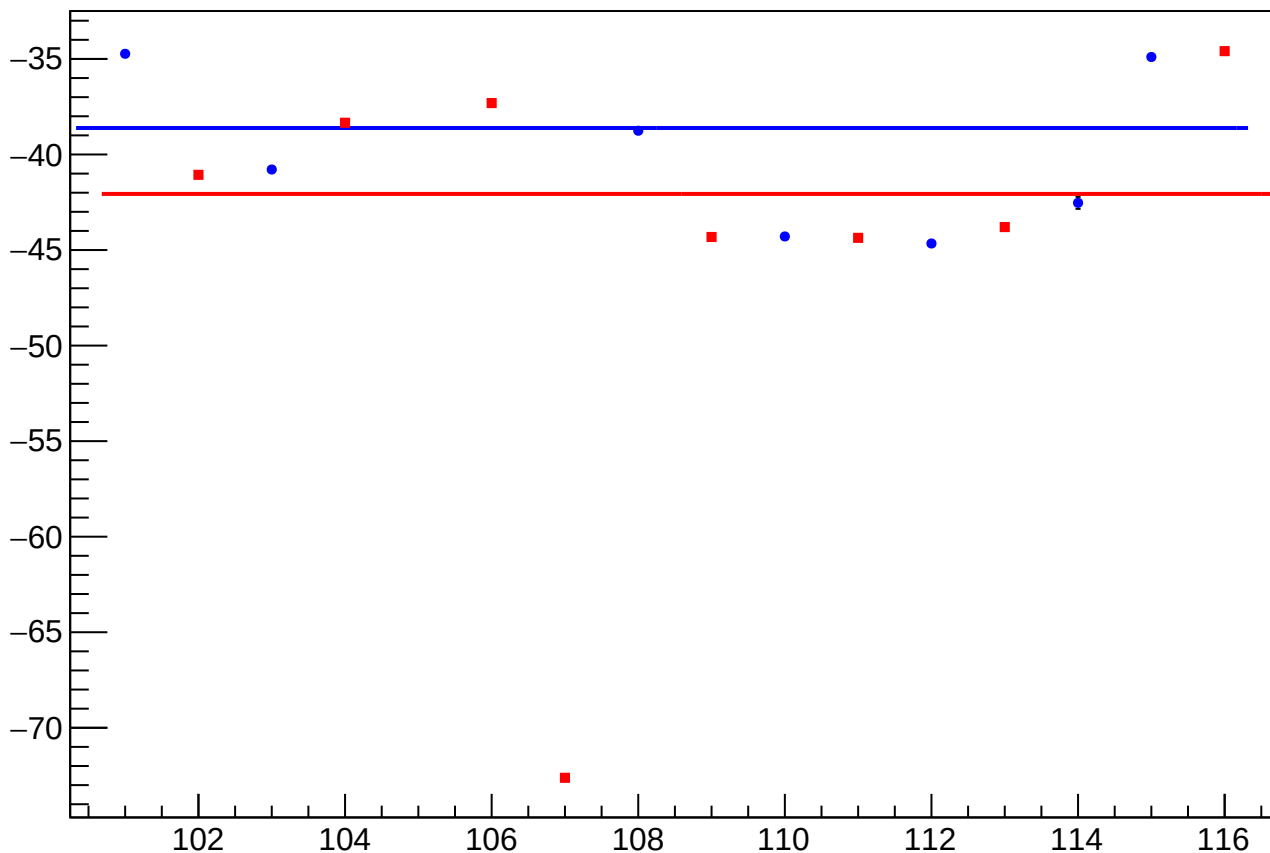
Right: 3.272 $\pm$ 0.628  $\chi^2$ /NDF: 580.8/14

In: 5.742 $\pm$ 0.840  $\chi^2$ /NDF:322.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 3.272 $\pm$ 0.628  $\chi^2$ /NDF: 580.8/14

reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.614 $\pm$ 0.040  $\chi^2$ /NDF: 7509.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -42.063 $\pm$ 0.039  $\chi^2$ /NDF: 44896.9/7

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: -40.385 $\pm$ 0.028  $\chi^2$ /NDF: 56241.5/14

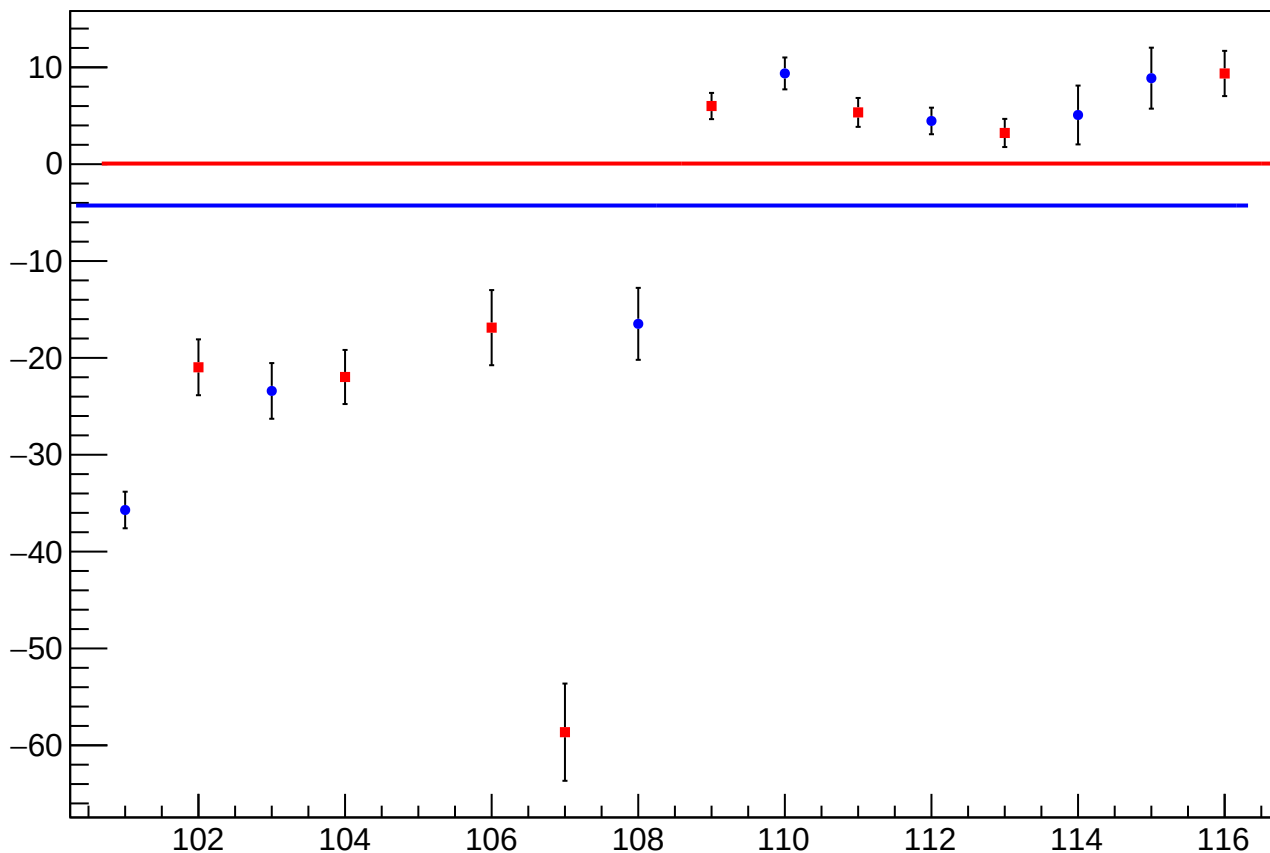
In: -38.614 $\pm$ 0.040  $\chi^2$ /NDF:7509.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -40.385 $\pm$ 0.028  $\chi^2$ /NDF: 56241.5/14



reg\_asym\_us\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -4.269+/-0.795  $\chi^2/\text{NDF}$ : 468.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.063+/-0.706  $\chi^2/\text{NDF}$ : 323.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

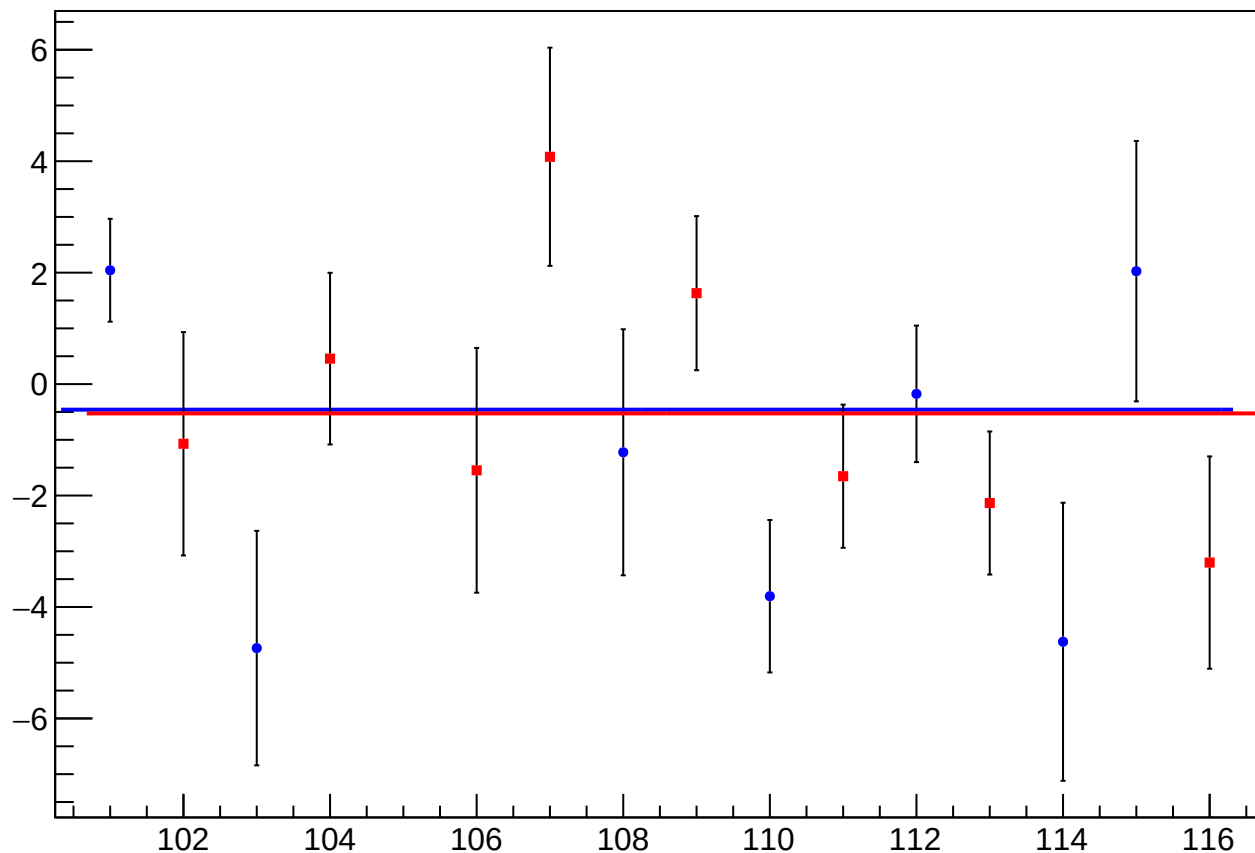
Right: -1.848+/-0.528  $\chi^2/\text{NDF}$ : 808.7/14

In: -4.269+/-0.795  $\chi^2/\text{NDF}$ : 468.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.848+/-0.528  $\chi^2/\text{NDF}$ : 808.7/14

reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.459+/-0.563  $\chi^2/\text{NDF}$ : 21.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.526+/-0.563  $\chi^2/\text{NDF}$ : 13.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

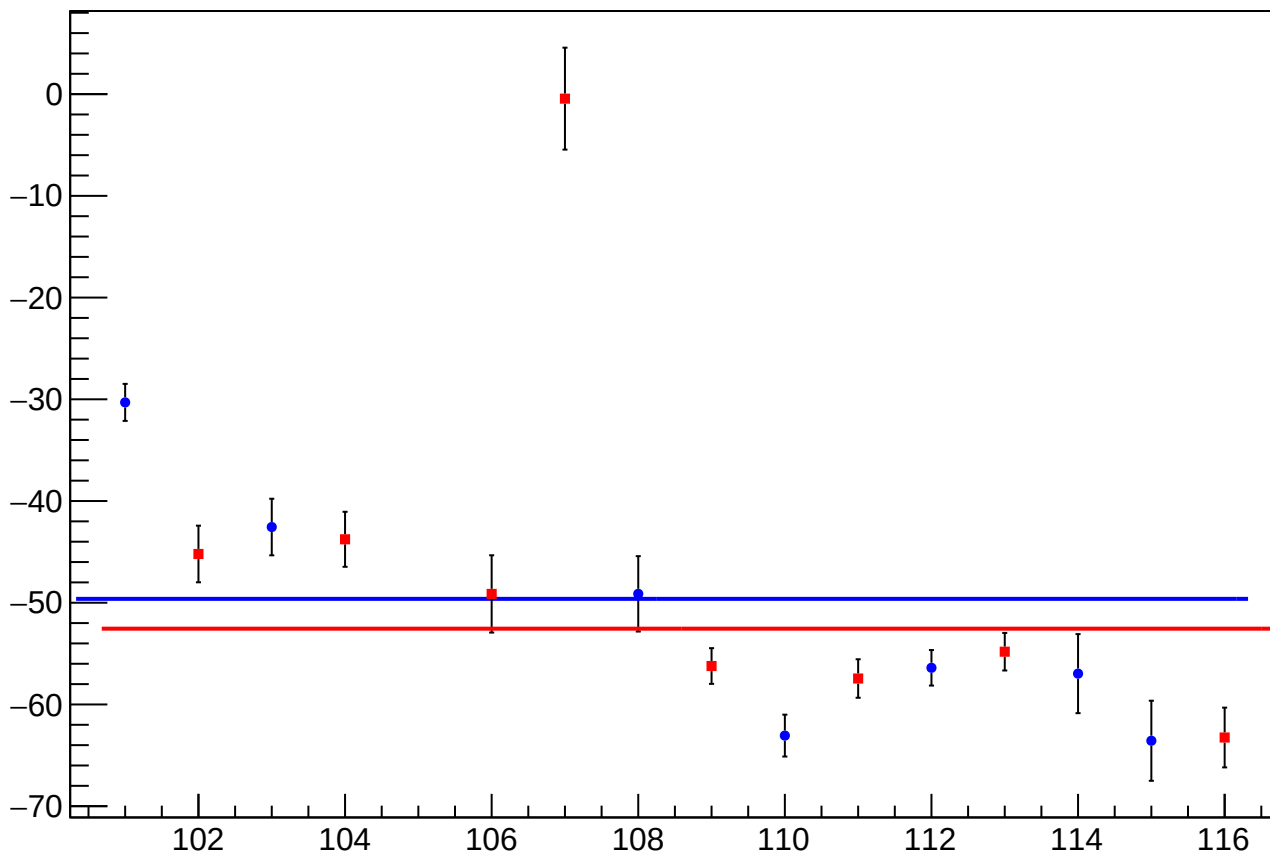
Right: -0.493+/-0.398  $\chi^2/\text{NDF}$ : 34.5/14

In: -0.459+/-0.563  $\chi^2/\text{NDF}$ :21.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.493+/-0.398  $\chi^2/\text{NDF}$ : 34.5/14

reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -49.618+/-0.913  $\chi^2/\text{NDF}$ : 193.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -52.550+/-0.849  $\chi^2/\text{NDF}$ : 152.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

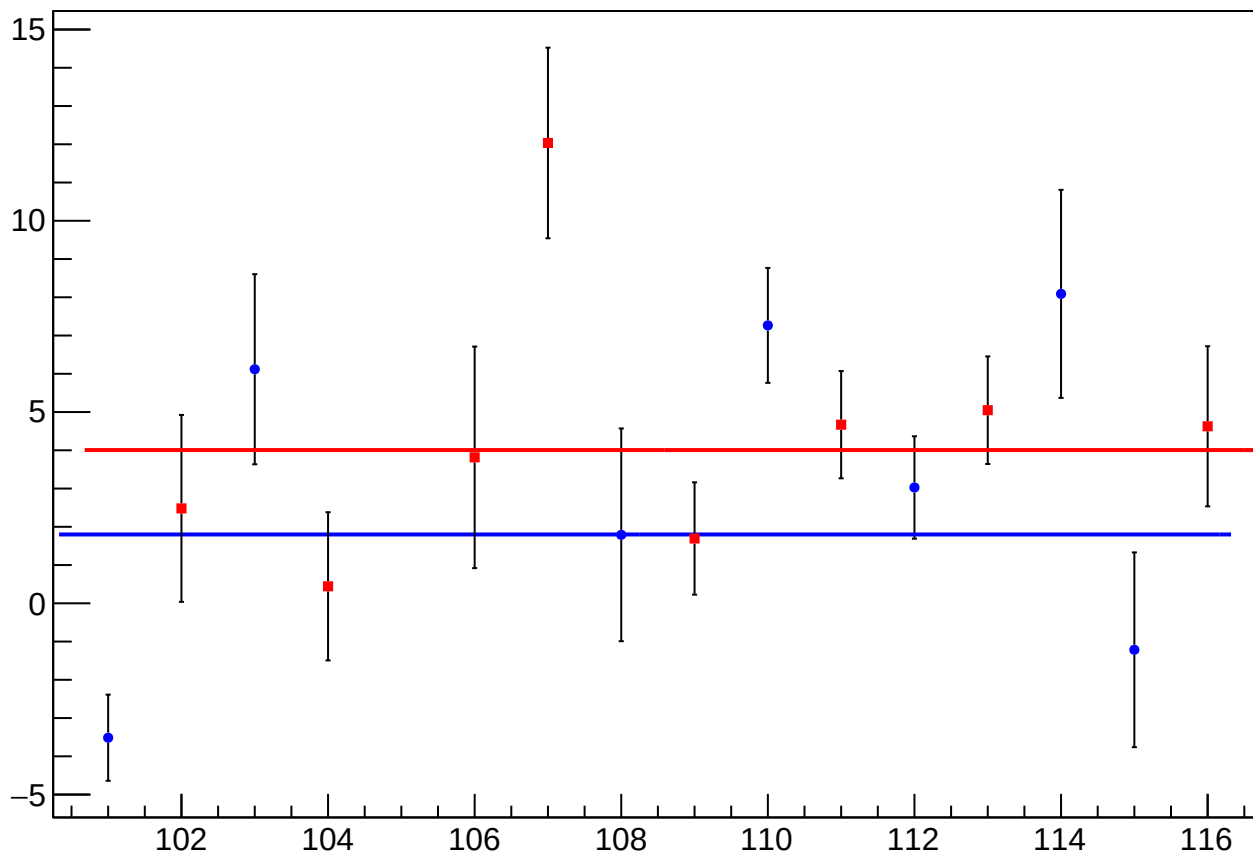
Right: -51.191+/-0.622  $\chi^2/\text{NDF}$ : 350.9/14

In: -49.618+/-0.913  $\chi^2/\text{NDF}$ : 193.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -51.191+/-0.622  $\chi^2/\text{NDF}$ : 350.9/14

reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.799+/-0.649  $\chi^2/\text{NDF}$ : 46.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.006+/-0.643  $\chi^2/\text{NDF}$ : 17.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

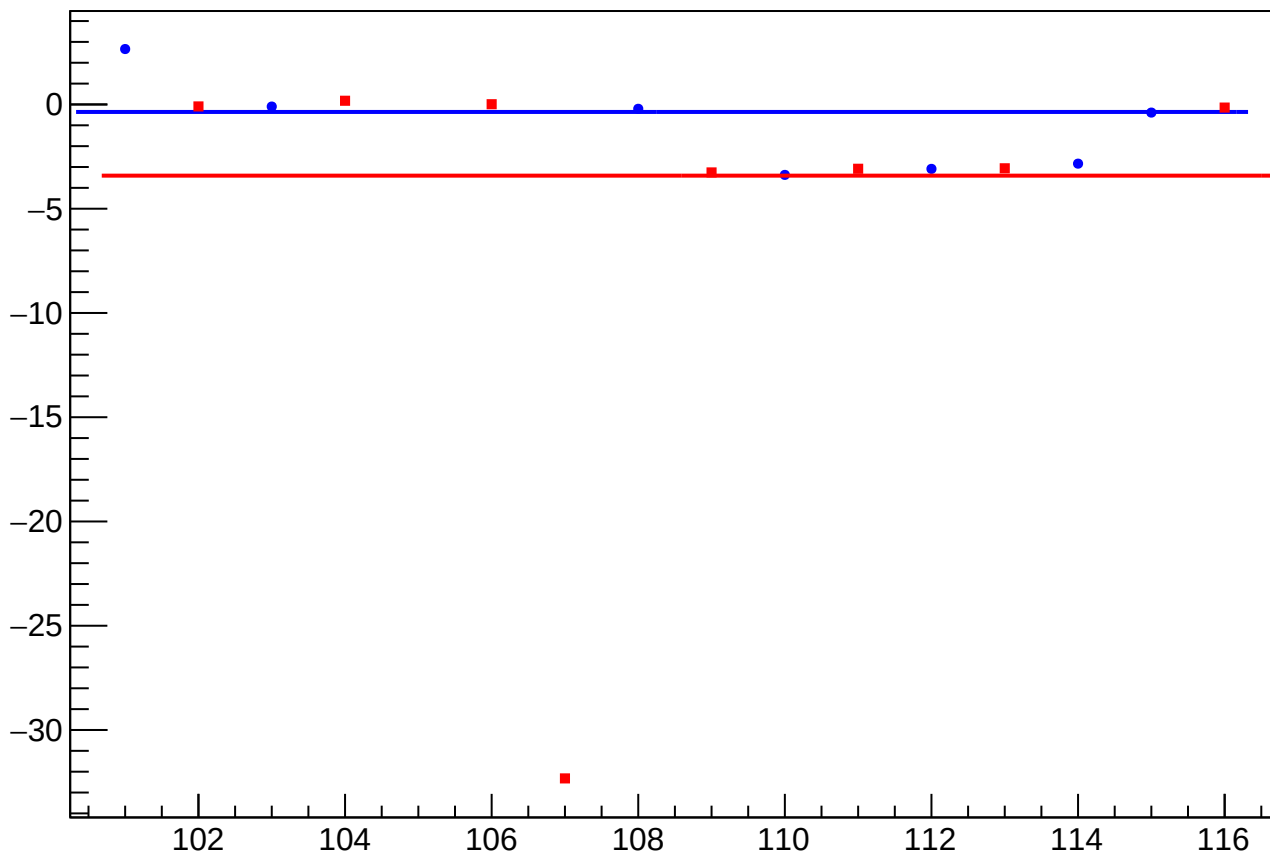
Right: 2.914+/-0.457  $\chi^2/\text{NDF}$ : 69.5/14

In: 1.799+/-0.649  $\chi^2/\text{NDF}$ : 46.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.914+/-0.457  $\chi^2/\text{NDF}$ : 69.5/14

reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.359 \pm 0.032$   $\chi^2/\text{NDF}: 4378.3/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-3.414 \pm 0.030$   $\chi^2/\text{NDF}: 70270.3/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

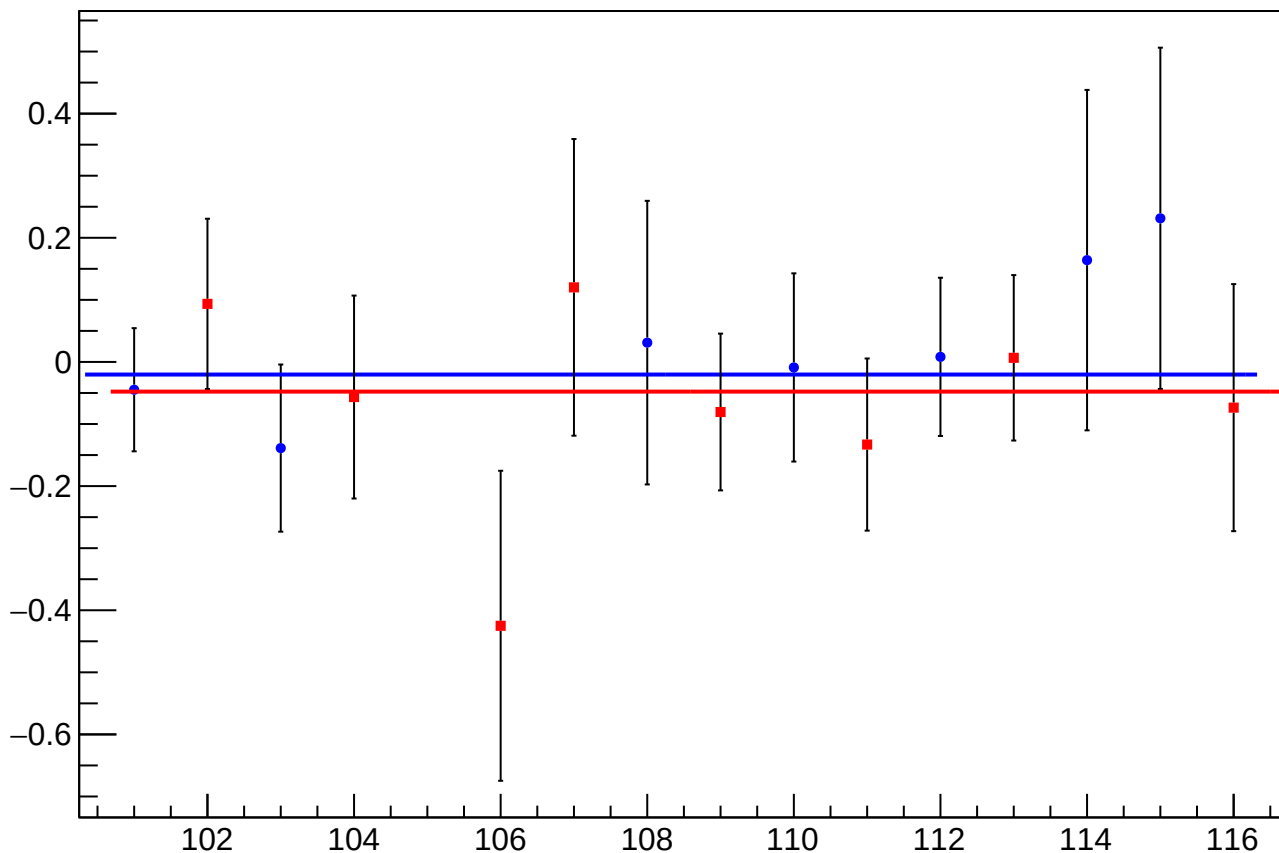
Right:  $-2.004 \pm 0.022$   $\chi^2/\text{NDF}: 79416.4/14$

In:  $-0.359 \pm 0.032$   $\chi^2/\text{NDF}: 4378.3/6$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-2.004 \pm 0.022$   $\chi^2/\text{NDF}: 79416.4/14$

reg\_asym\_ds\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.020+/-0.057  $\chi^2/\text{NDF}$ : 2.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.048+/-0.056  $\chi^2/\text{NDF}$ : 4.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

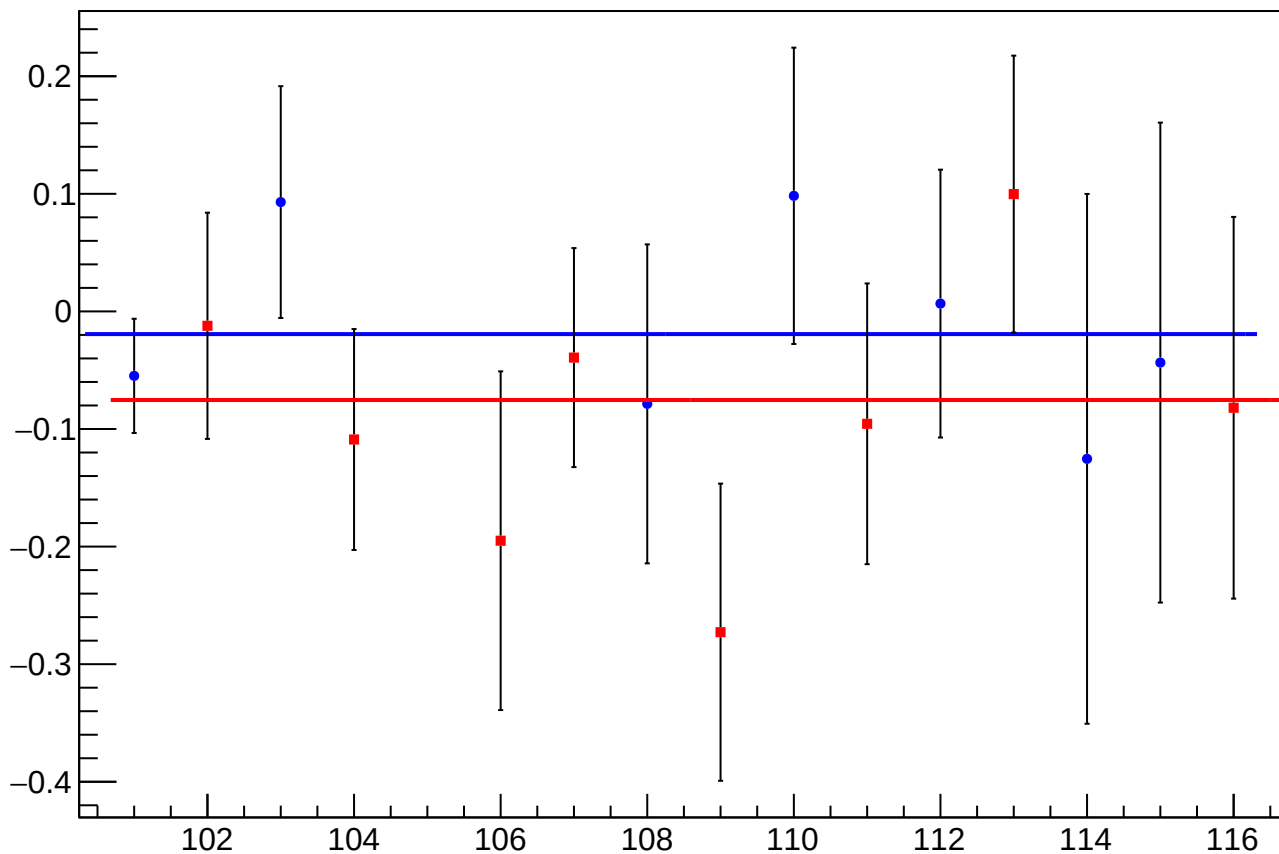
Right: -0.034+/-0.040  $\chi^2/\text{NDF}$ : 6.8/14

In: -0.020+/-0.057  $\chi^2/\text{NDF}$ : 2.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.034+/-0.040  $\chi^2/\text{NDF}$ : 6.8/14

reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.019+/-0.036  $\chi^2/\text{NDF}$ : 3.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.075+/-0.040  $\chi^2/\text{NDF}$ : 6.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

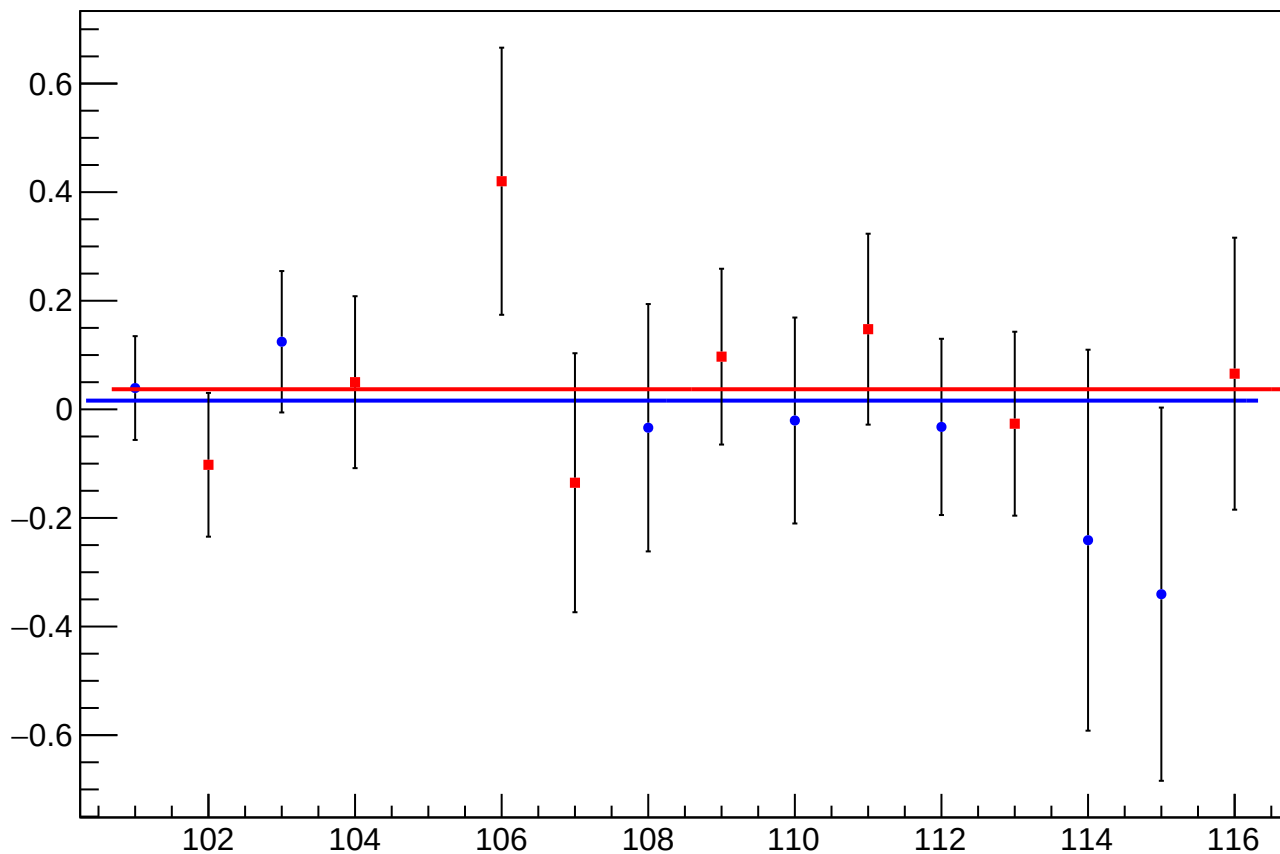
Right: -0.045+/-0.027  $\chi^2/\text{NDF}$ : 10.3/14

In: -0.019+/-0.036  $\chi^2/\text{NDF}$ :3.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.045+/-0.027  $\chi^2/\text{NDF}$ : 10.3/14

reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.016 $\pm$ 0.061  $\chi^2$ /NDF: 2.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.037 $\pm$ 0.063  $\chi^2$ /NDF: 4.7/7

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 $\pm$ 0.044  $\chi^2$ /NDF: 7.3/14

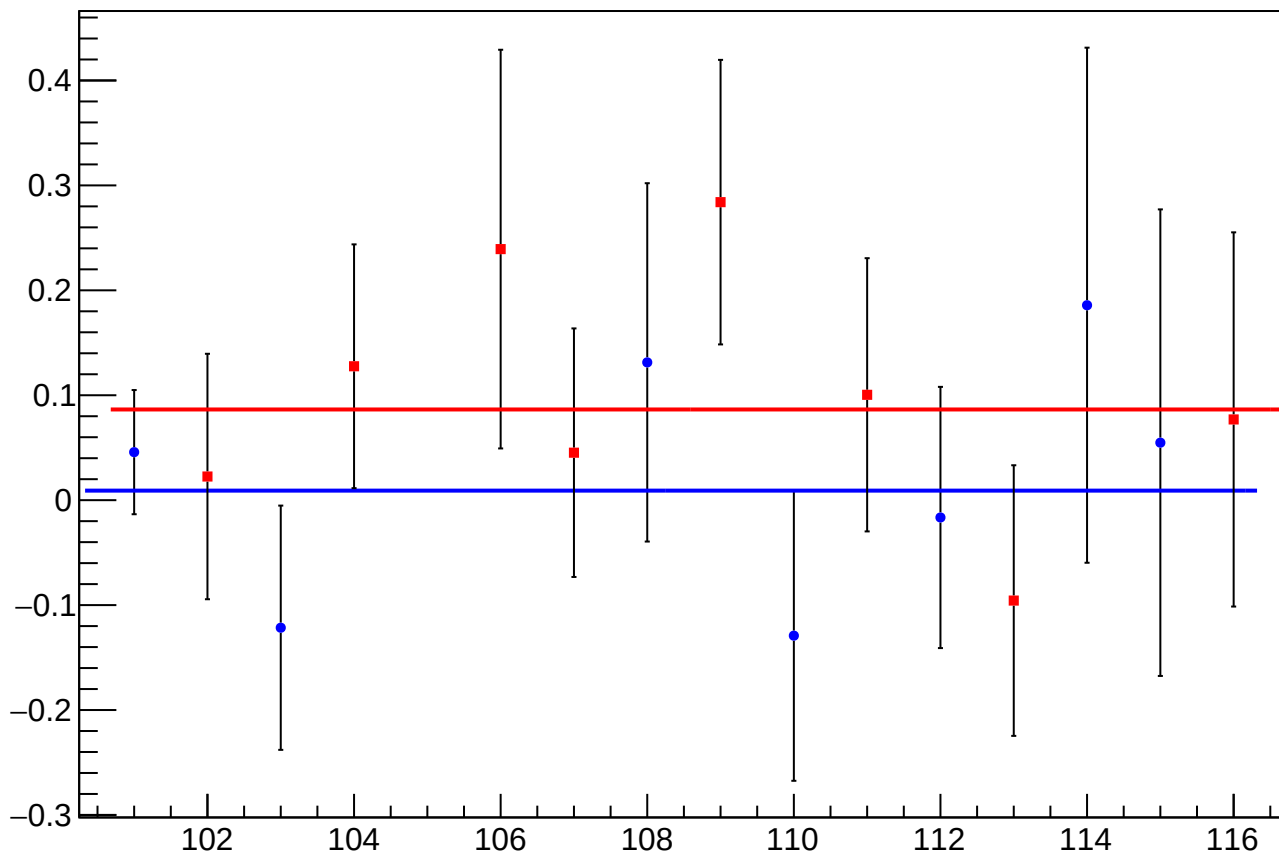
In: 0.016 $\pm$ 0.061  $\chi^2$ /NDF:2.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.026 $\pm$ 0.044  $\chi^2$ /NDF: 7.3/14



reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.009+/-0.043  $\chi^2/\text{NDF}$ : 3.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.086+/-0.047  $\chi^2/\text{NDF}$ : 5.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

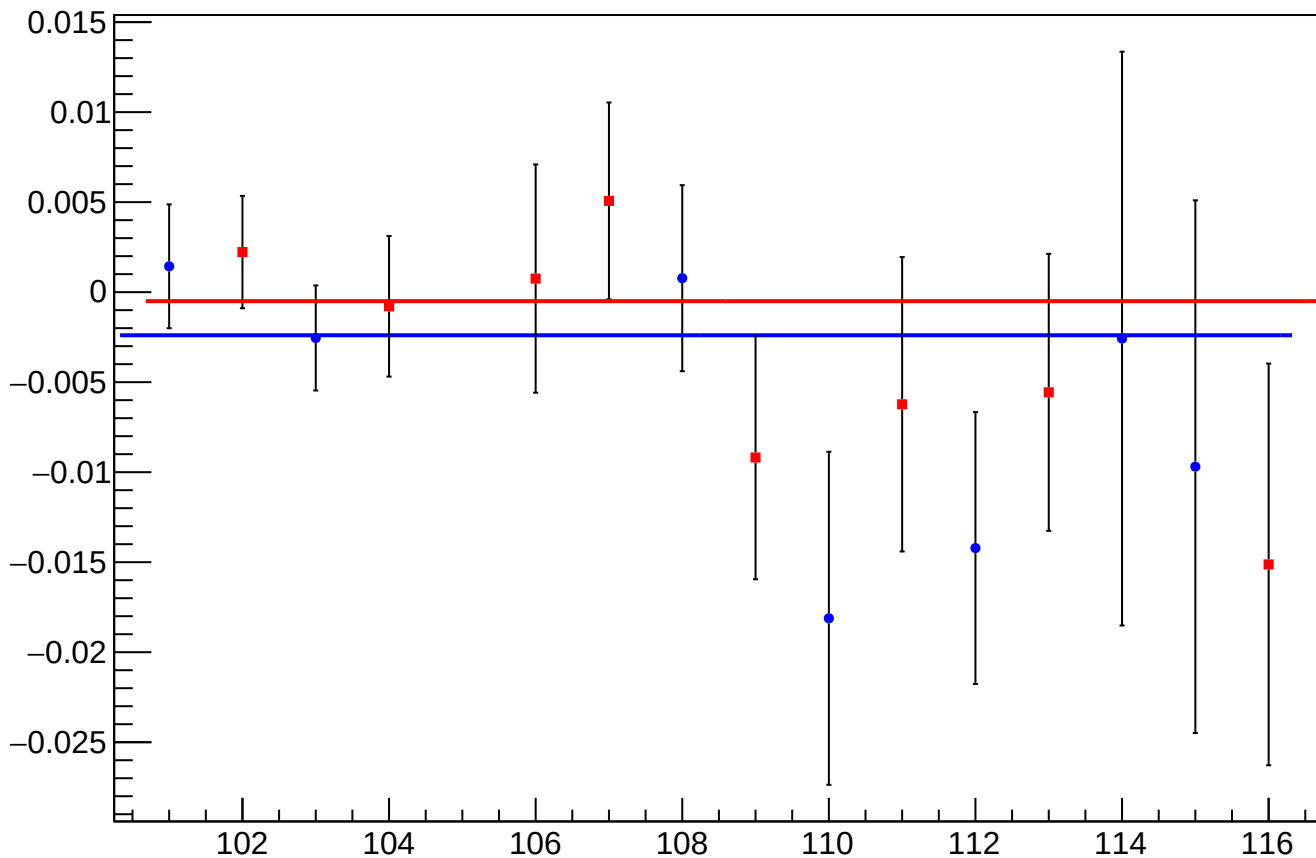
Right: 0.044+/-0.032  $\chi^2/\text{NDF}$ : 10.6/14

In: 0.009+/-0.043  $\chi^2/\text{NDF}$ : 3.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.044+/-0.032  $\chi^2/\text{NDF}$ : 10.6/14

reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.002 $\pm$ 0.002  $\chi^2$ /NDF: 7.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.000 $\pm$ 0.002  $\chi^2$ /NDF: 6.1/7

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

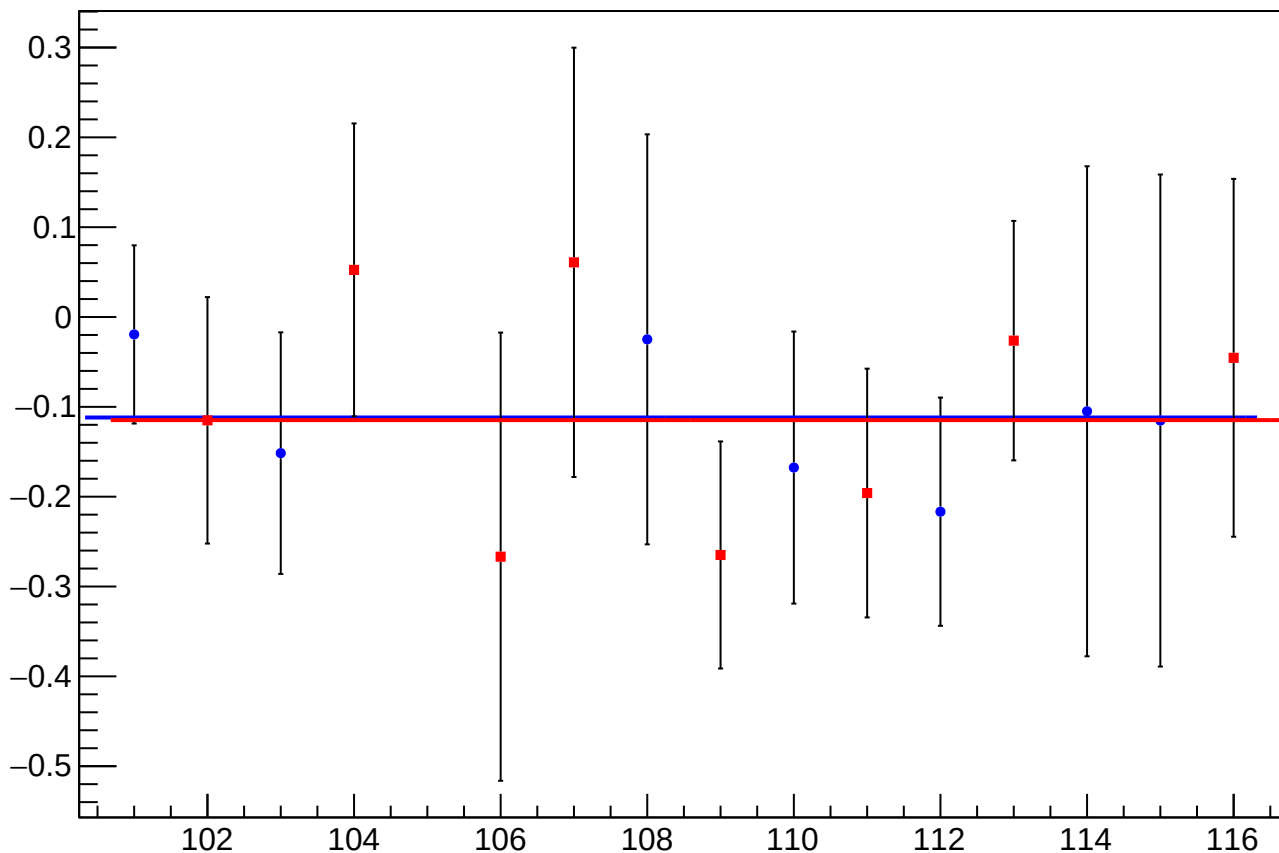
Right: -0.001 $\pm$ 0.001  $\chi^2$ /NDF: 13.8/14

In: -0.002 $\pm$ 0.002  $\chi^2$ /NDF:7.2/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.001 $\pm$ 0.001  $\chi^2$ /NDF: 13.8/14

reg\_asym\_ds\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.112+/-0.057  $\chi^2/\text{NDF}$ : 1.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.115+/-0.056  $\chi^2/\text{NDF}$ : 4.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

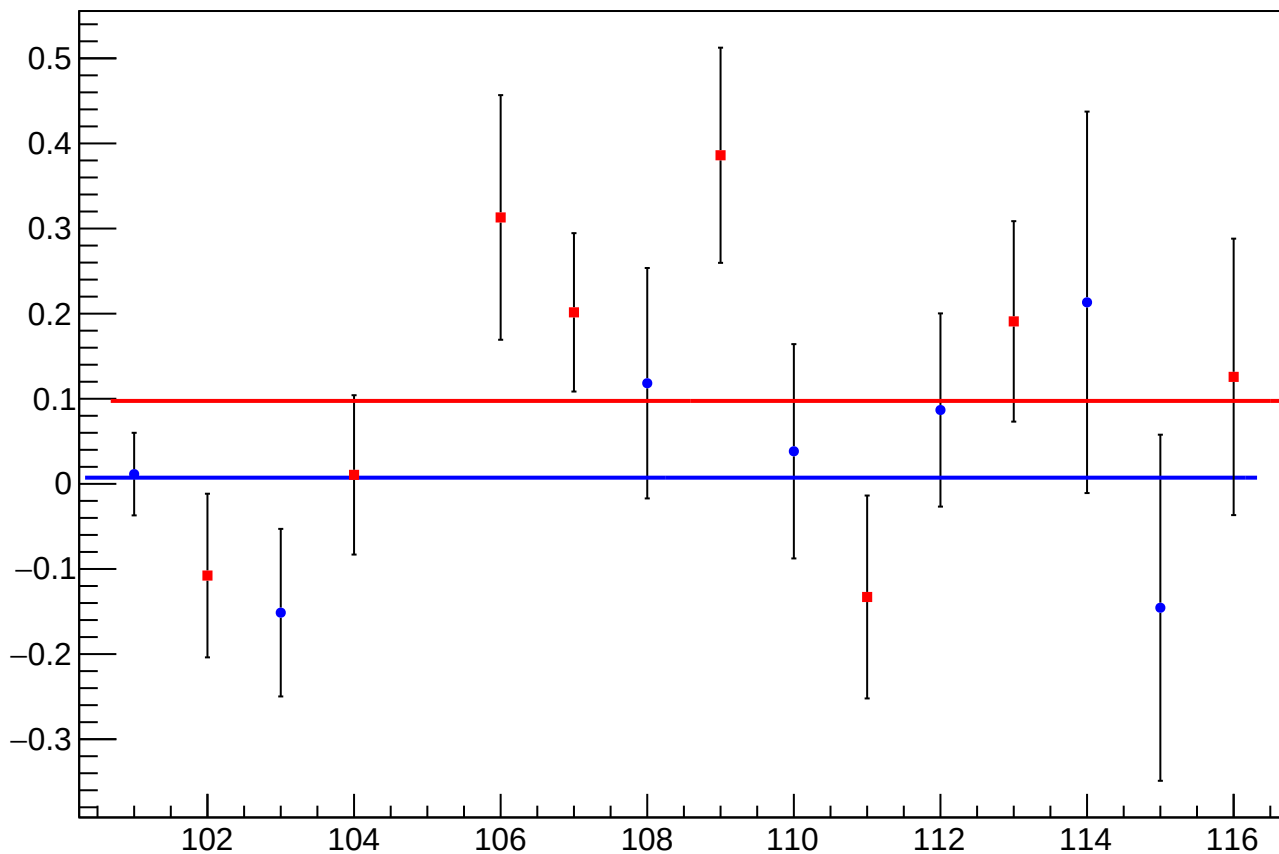
Right: -0.113+/-0.040  $\chi^2/\text{NDF}$ : 6.2/14

In: -0.112+/-0.057  $\chi^2/\text{NDF}$ :1.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.113+/-0.040  $\chi^2/\text{NDF}$ : 6.2/14

reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.007+/-0.036  $\chi^2/\text{NDF}$ : 5.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.097+/-0.040  $\chi^2/\text{NDF}$ : 18.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

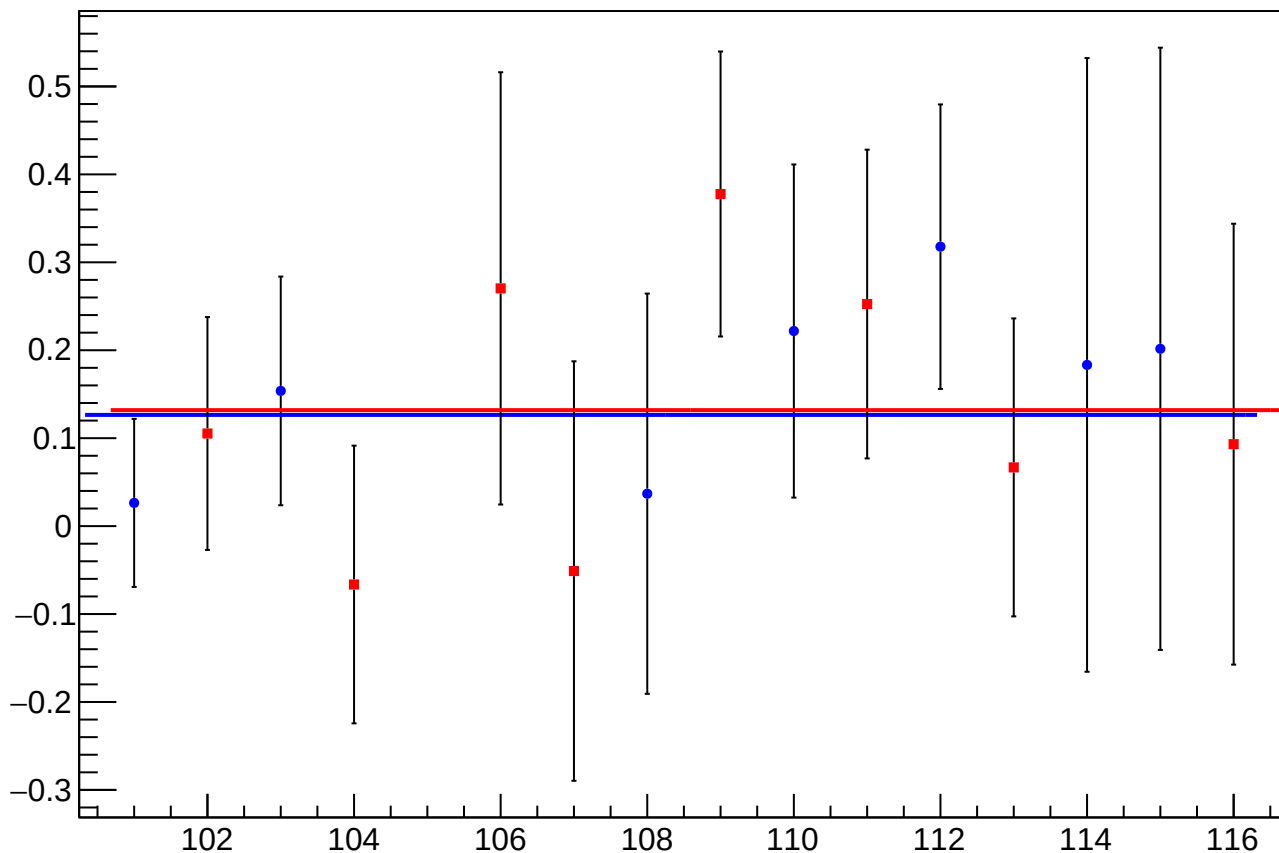
Right: 0.048+/-0.027  $\chi^2/\text{NDF}$ : 26.6/14

In: 0.007+/-0.036  $\chi^2/\text{NDF}$ : 5.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.048+/-0.027  $\chi^2/\text{NDF}$ : 26.6/14

reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.126 $\pm$ 0.061  $\chi^2$ /NDF: 3.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.132 $\pm$ 0.063  $\chi^2$ /NDF: 5.5/7

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

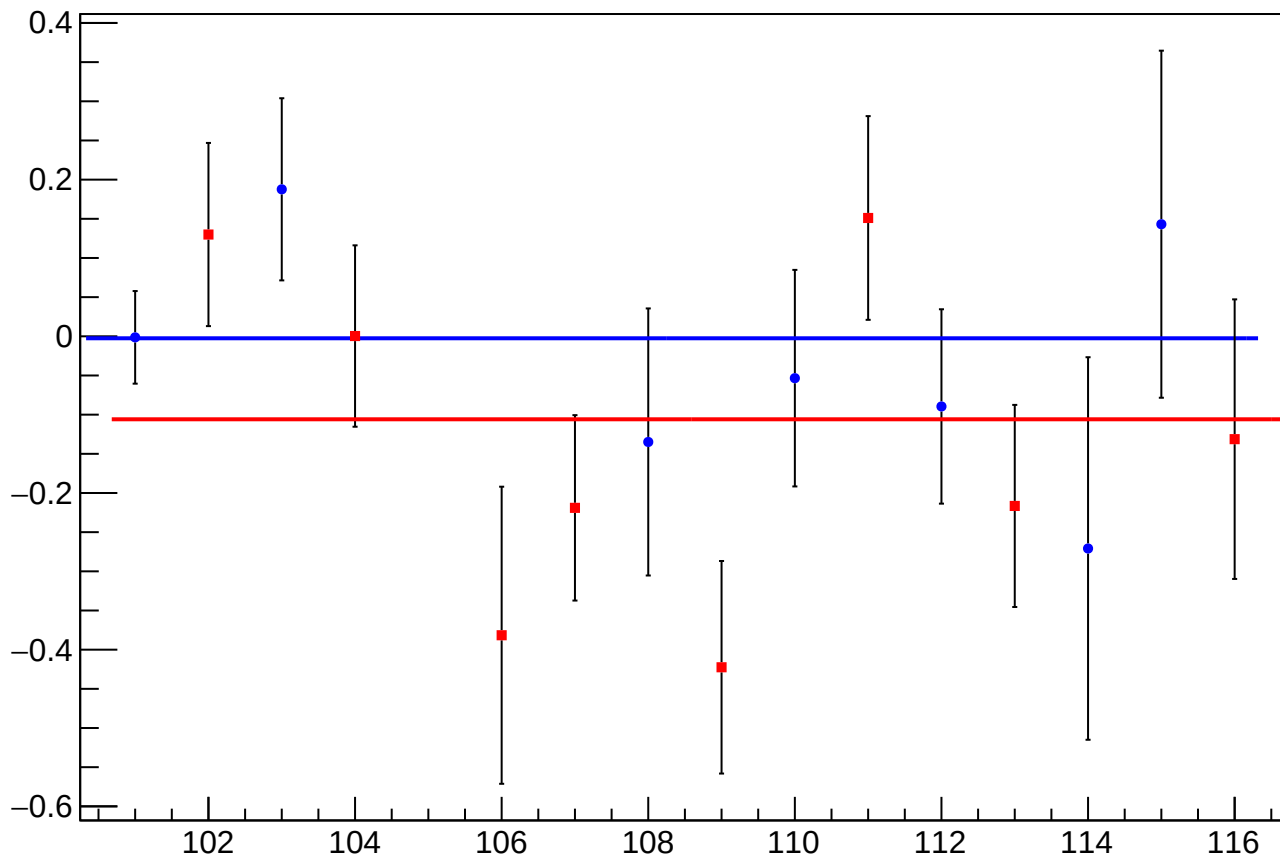
Right: 0.129 $\pm$ 0.044  $\chi^2$ /NDF: 8.5/14

In: 0.126 $\pm$ 0.061  $\chi^2$ /NDF:3.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.129 $\pm$ 0.044  $\chi^2$ /NDF: 8.5/14

reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -0.003+/-0.043  $\chi^2/\text{NDF}$ : 5.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.106+/-0.047  $\chi^2/\text{NDF}$ : 18.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

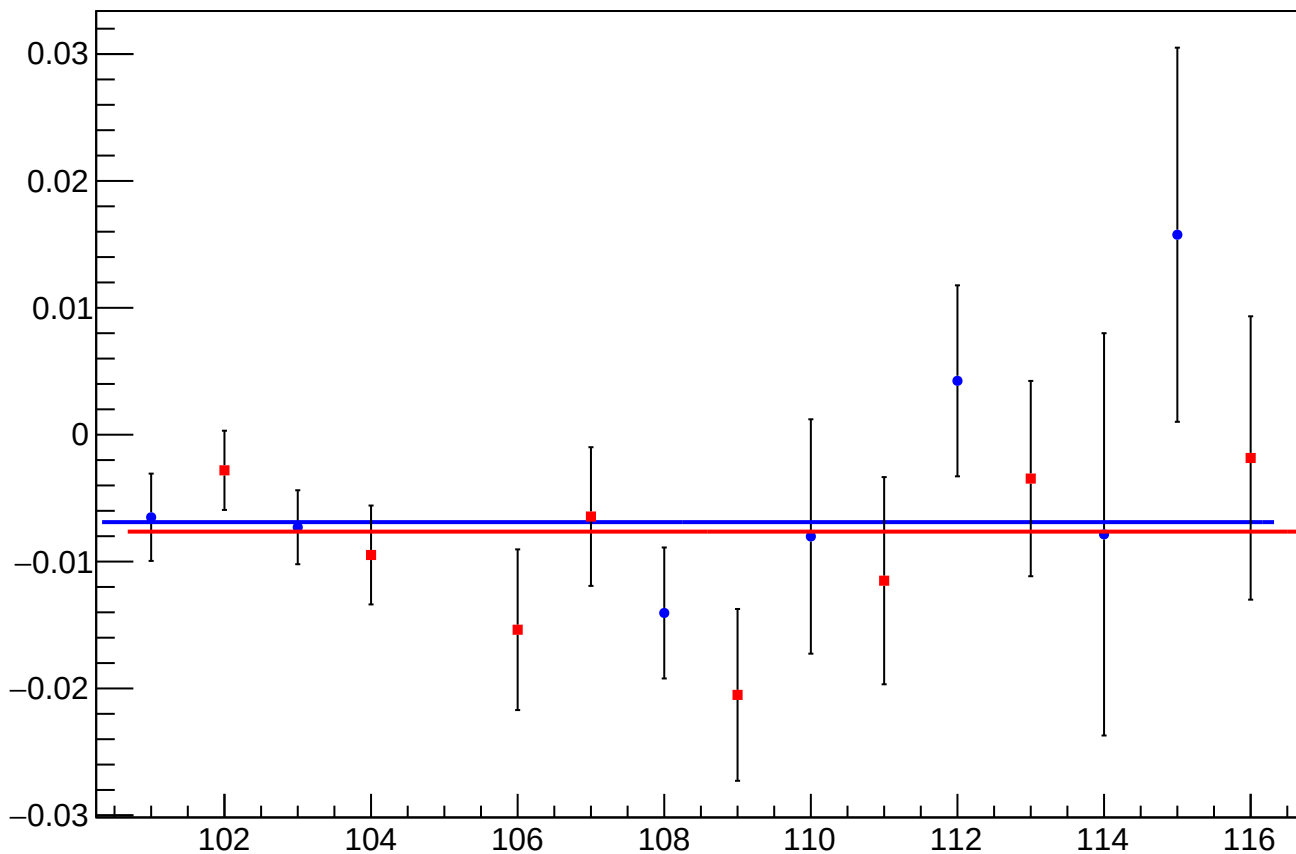
Right: -0.049+/-0.032  $\chi^2/\text{NDF}$ : 26.2/14

In: -0.003+/-0.043  $\chi^2/\text{NDF}$ :5.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.049+/-0.032  $\chi^2/\text{NDF}$ : 26.2/14

reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.007 $\pm$ 0.002  $\chi^2$ /NDF: 6.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.008 $\pm$ 0.002  $\chi^2$ /NDF: 8.6/7

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

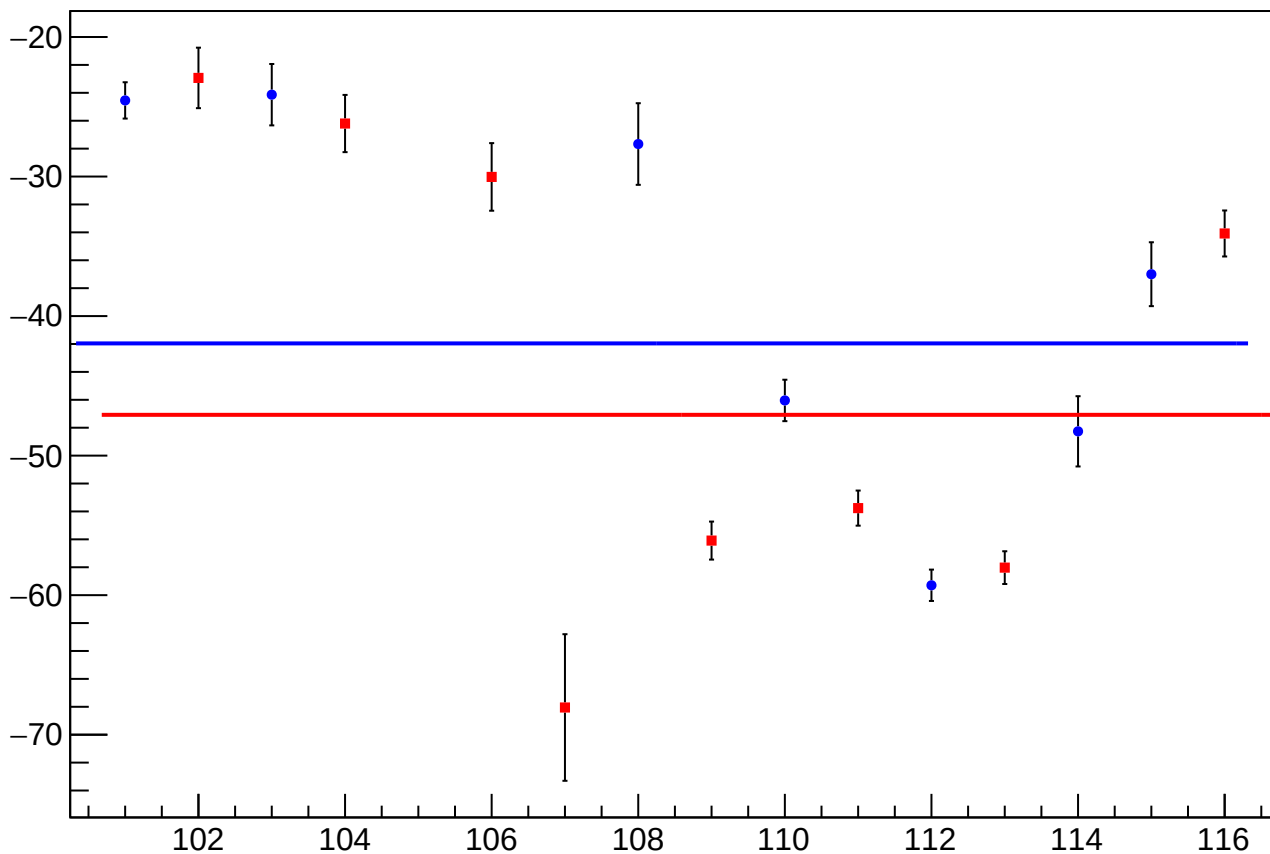
Right: -0.007 $\pm$ 0.001  $\chi^2$ /NDF: 15.2/14

In: -0.007 $\pm$ 0.002  $\chi^2$ /NDF:6.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.007 $\pm$ 0.001  $\chi^2$ /NDF: 15.2/14

reg\_asym\_left\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -41.958 $\pm$ 0.631  $\chi^2$ /NDF: 525.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -47.077 $\pm$ 0.585  $\chi^2$ /NDF: 514.4/7

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: -44.713 $\pm$ 0.429  $\chi^2$ /NDF: 1074.8/14

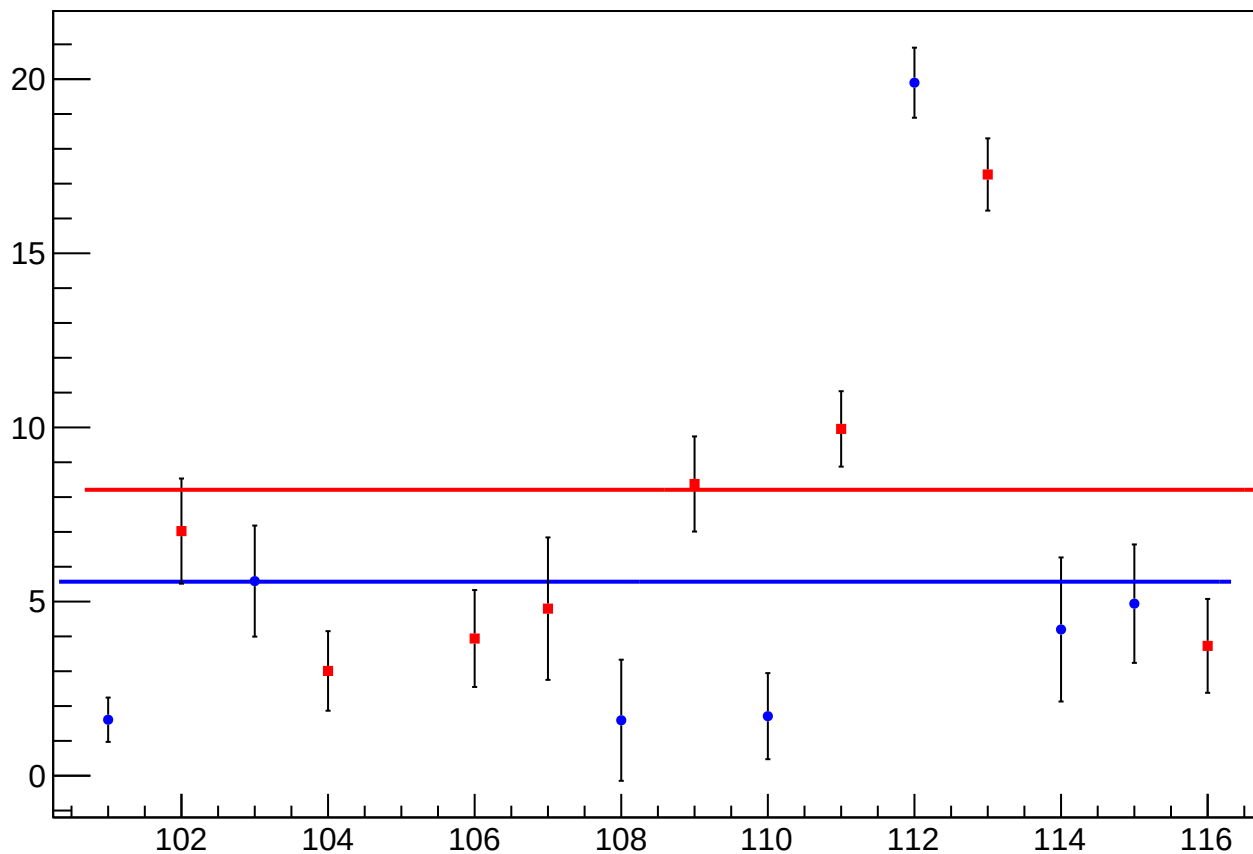
In: -41.958 $\pm$ 0.631  $\chi^2$ /NDF:525.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -44.713 $\pm$ 0.429  $\chi^2$ /NDF: 1074.8/14



reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.571+/-0.430  $\chi^2/\text{NDF}$ : 257.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.210+/-0.455  $\chi^2/\text{NDF}$ : 123.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

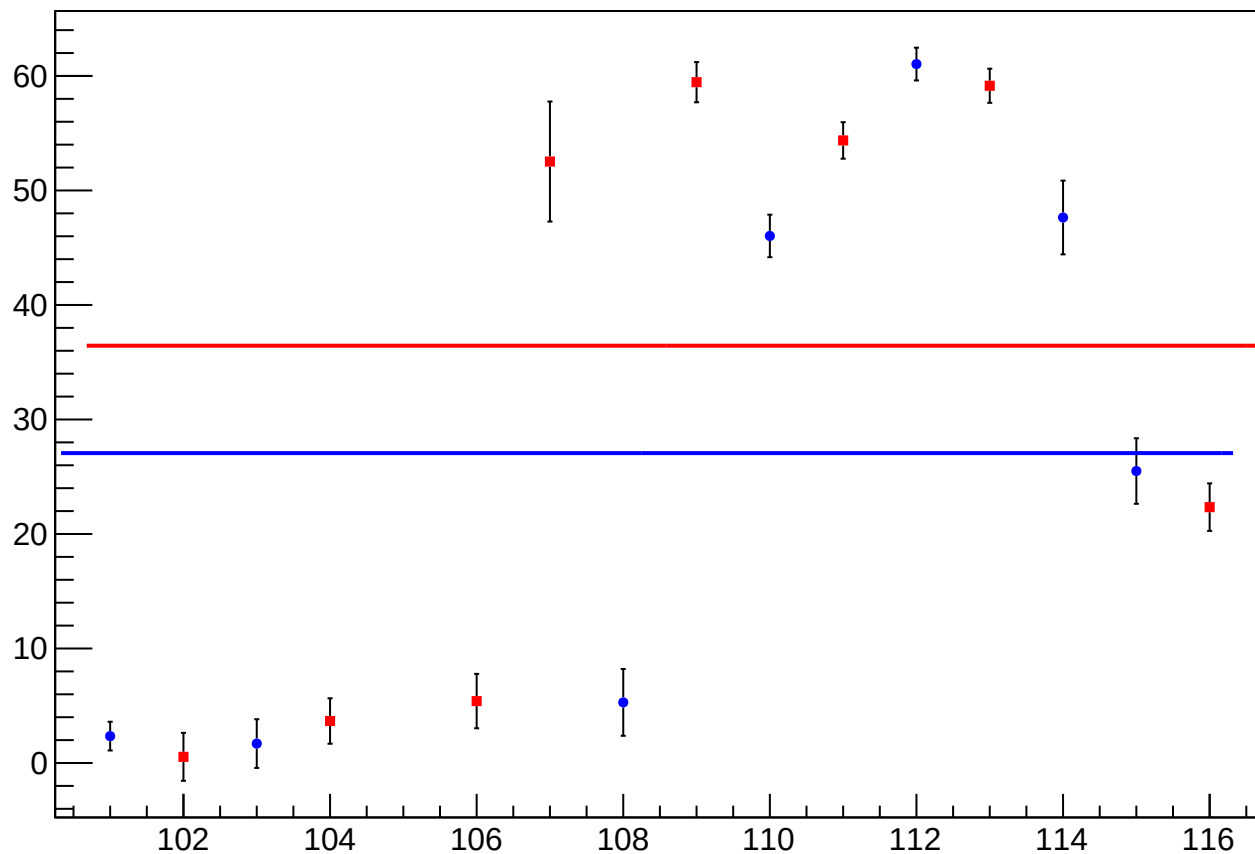
Right: 6.815+/-0.312  $\chi^2/\text{NDF}$ : 398.5/14

In: 5.571+/-0.430  $\chi^2/\text{NDF}$ : 257.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.815+/-0.312  $\chi^2/\text{NDF}$ : 398.5/14

reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 27.064+/-0.712  $\chi^2/\text{NDF}$ : 1295.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 36.443+/-0.691  $\chi^2/\text{NDF}$ : 1322.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

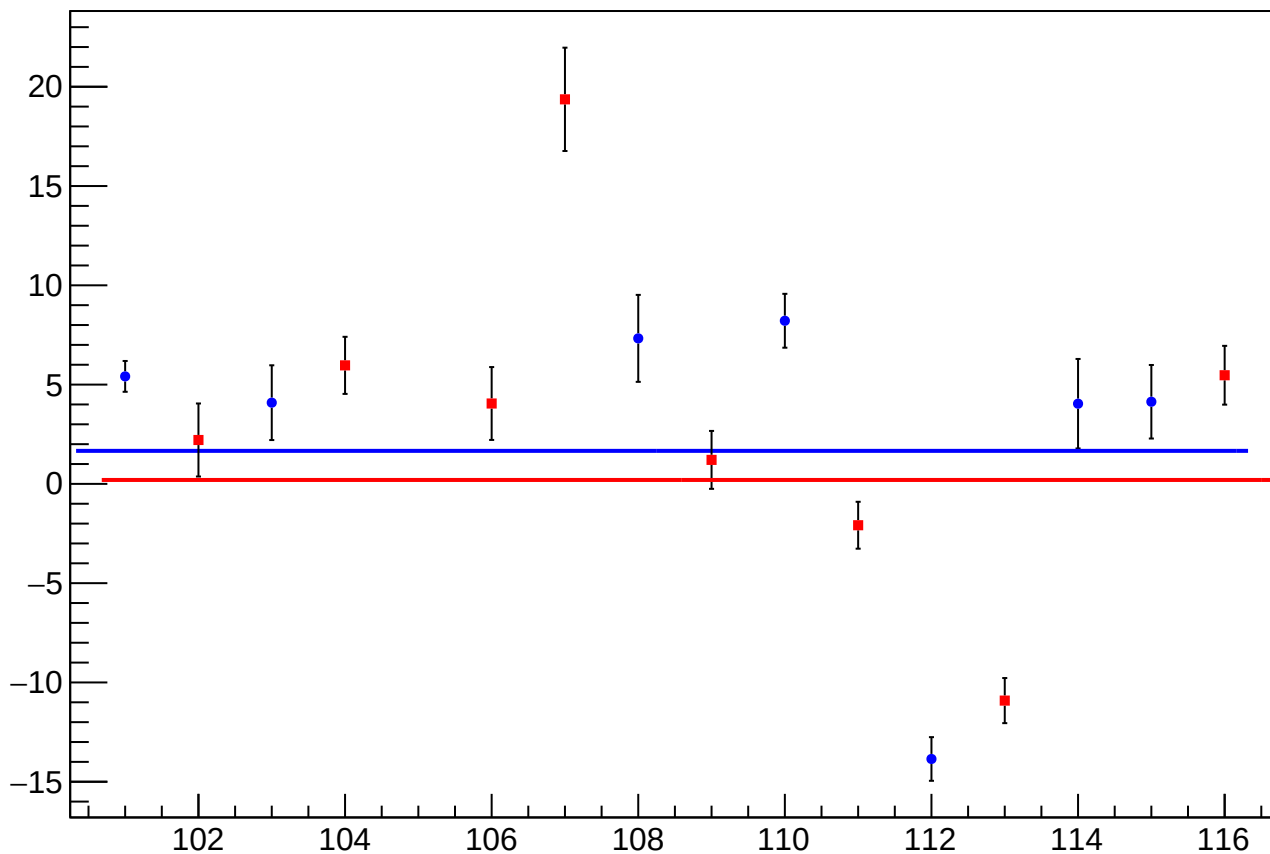
Right: 31.896+/-0.496  $\chi^2/\text{NDF}$ : 2707.1/14

In: 27.064+/-0.712  $\chi^2/\text{NDF}$ : 1295.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 31.896+/-0.496  $\chi^2/\text{NDF}$ : 2707.1/14

reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.663 $\pm$ 0.499  $\chi^2$ /NDF: 257.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.198 $\pm$ 0.524  $\chi^2$ /NDF: 188.6/7

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

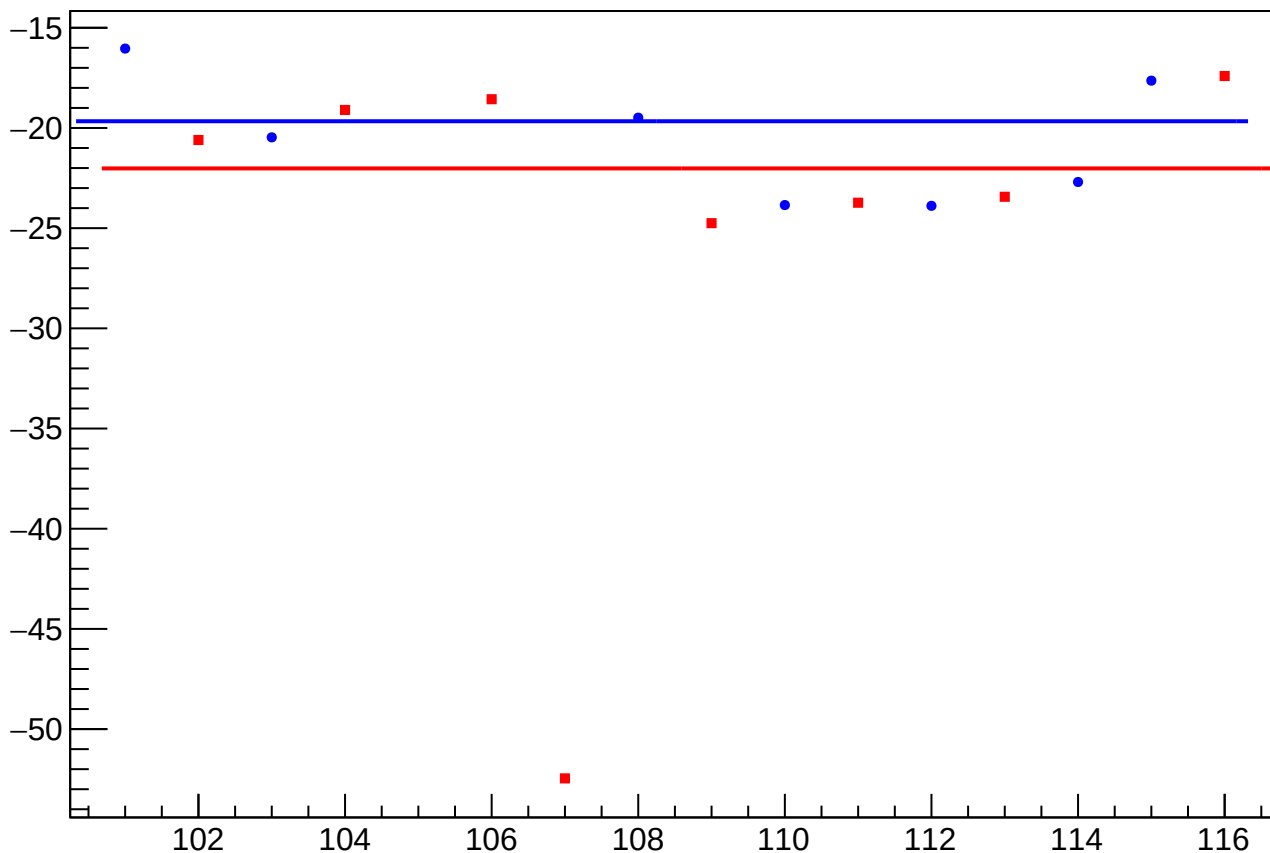
Right: 0.966 $\pm$ 0.361  $\chi^2$ /NDF: 449.9/14

In: 1.663 $\pm$ 0.499  $\chi^2$ /NDF:257.2/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.966 $\pm$ 0.361  $\chi^2$ /NDF: 449.9/14

reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.664 $\pm$ 0.025  $\chi^2$ /NDF: 13600.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -22.019 $\pm$ 0.023  $\chi^2$ /NDF: 75811.1/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

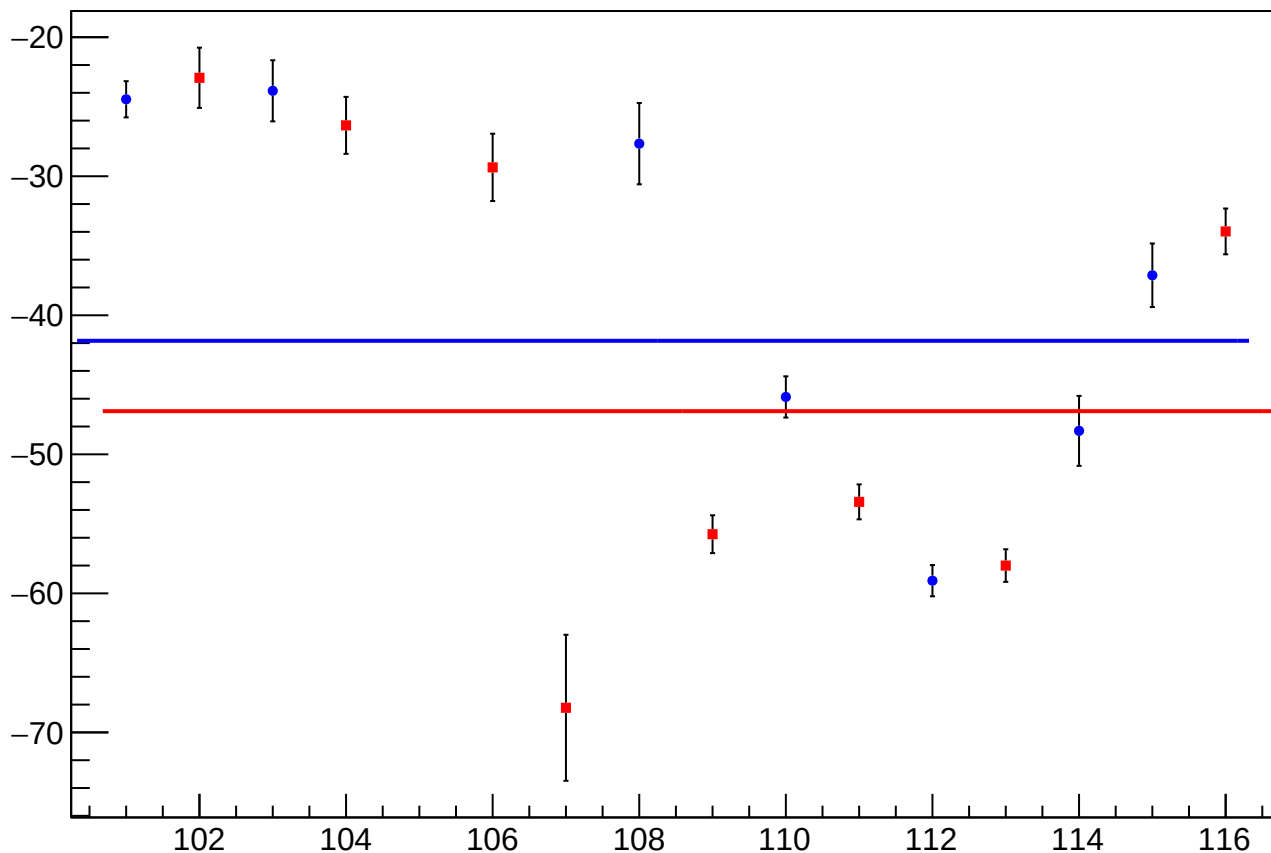
Right: -20.911 $\pm$ 0.017  $\chi^2$ /NDF: 94158.8/14

In: -19.664 $\pm$ 0.025  $\chi^2$ /NDF:13600.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -20.911 $\pm$ 0.017  $\chi^2$ /NDF: 94158.8/14

reg\_asym\_left\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -41.835 $\pm$ 0.631  $\chi^2$ /NDF: 523.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -46.894 $\pm$ 0.585  $\chi^2$ /NDF: 512.4/7

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

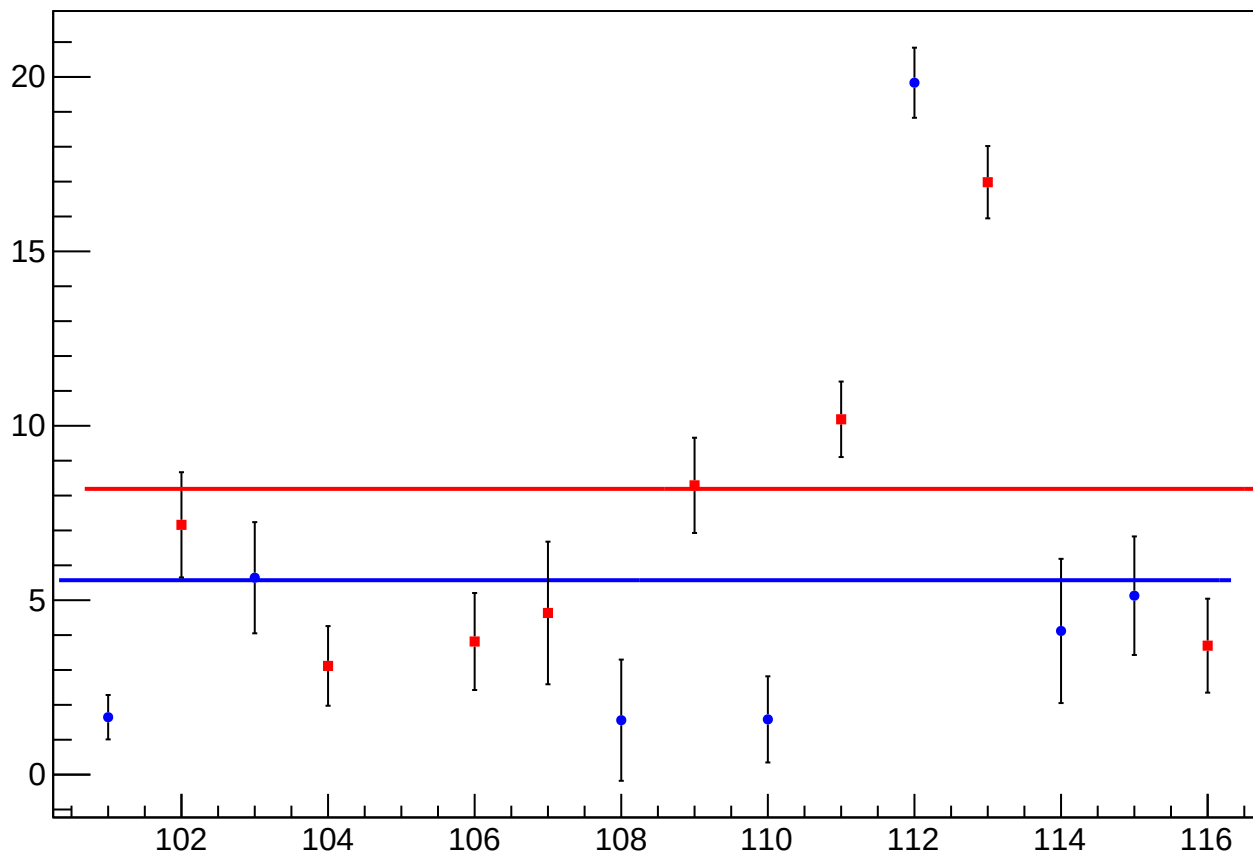
Right: -44.558 $\pm$ 0.429  $\chi^2$ /NDF: 1070.0/14

In: -41.835 $\pm$ 0.631  $\chi^2$ /NDF:523.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -44.558 $\pm$ 0.429  $\chi^2$ /NDF: 1070.0/14

reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.573 $\pm$ 0.429  $\chi^2$ /NDF: 255.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.192 $\pm$ 0.455  $\chi^2$ /NDF: 119.7/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

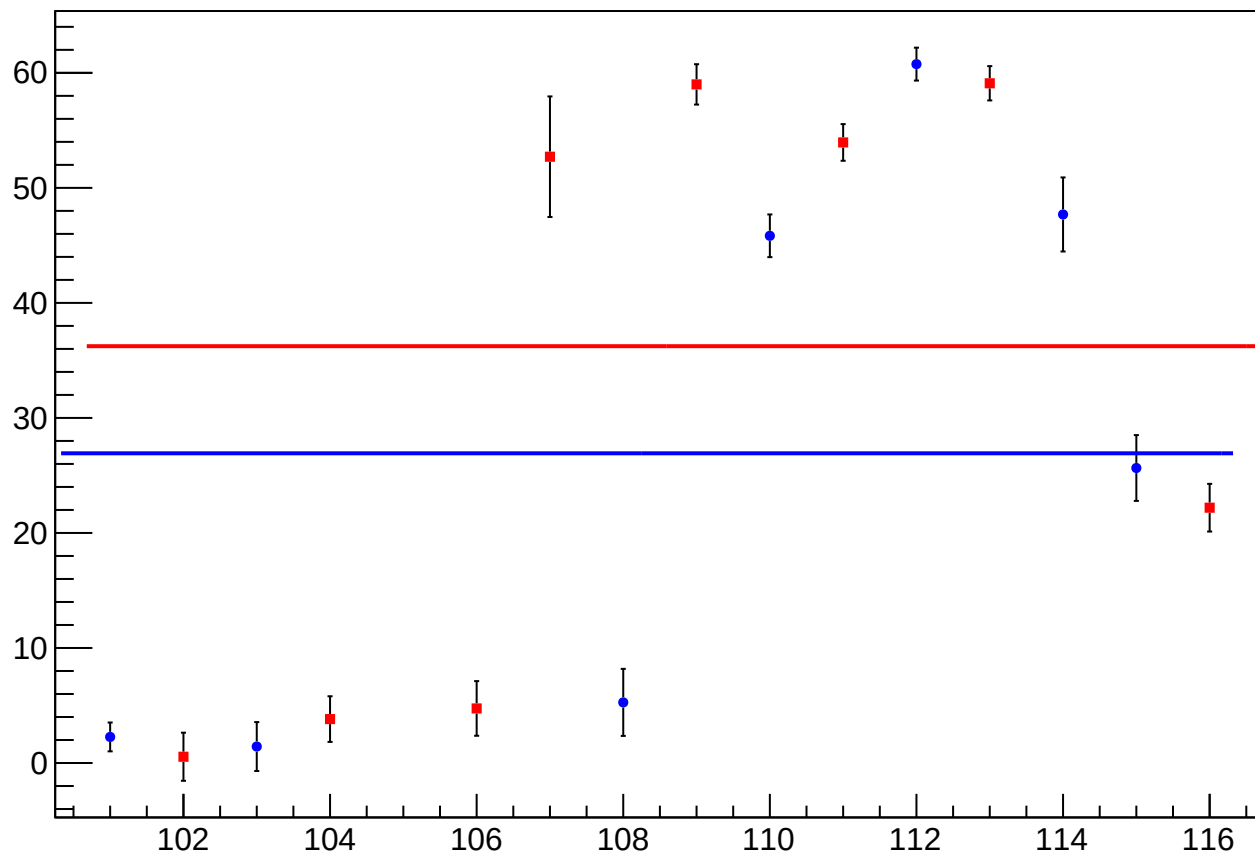
Right: 6.808 $\pm$ 0.312  $\chi^2$ /NDF: 392.9/14

In: 5.573 $\pm$ 0.429  $\chi^2$ /NDF:255.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 6.808 $\pm$ 0.312  $\chi^2$ /NDF: 392.9/14

reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 26.925+/-0.712  $\chi^2/\text{NDF}$ : 1291.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 36.237+/-0.691  $\chi^2/\text{NDF}$ : 1316.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

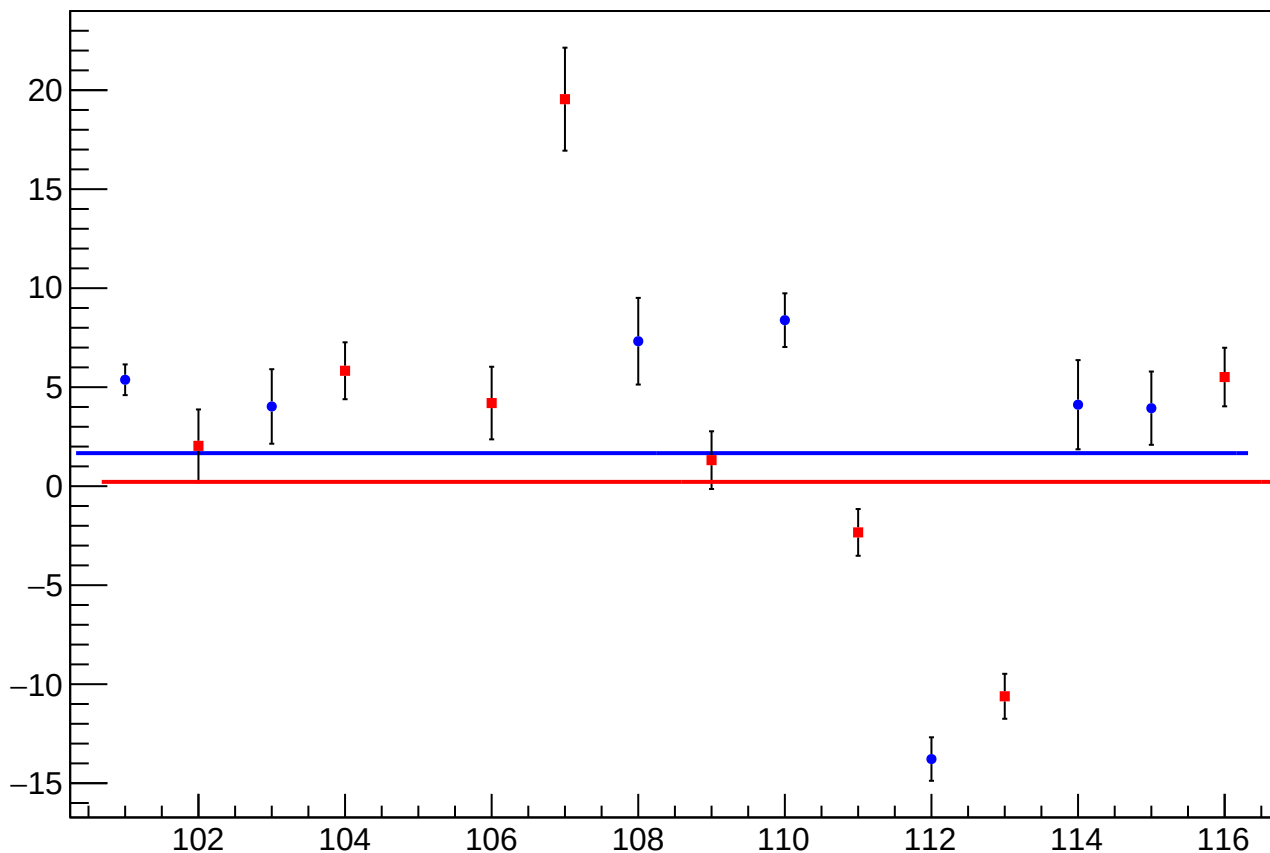
Right: 31.722+/-0.496  $\chi^2/\text{NDF}$ : 2695.5/14

In: 26.925+/-0.712  $\chi^2/\text{NDF}$ : 1291.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 31.722+/-0.496  $\chi^2/\text{NDF}$ : 2695.5/14

reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.669+/-0.499  $\chi^2/\text{NDF}$ : 256.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.217+/-0.524  $\chi^2/\text{NDF}$ : 185.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.978+/-0.361  $\chi^2/\text{NDF}$ : 445.3/14

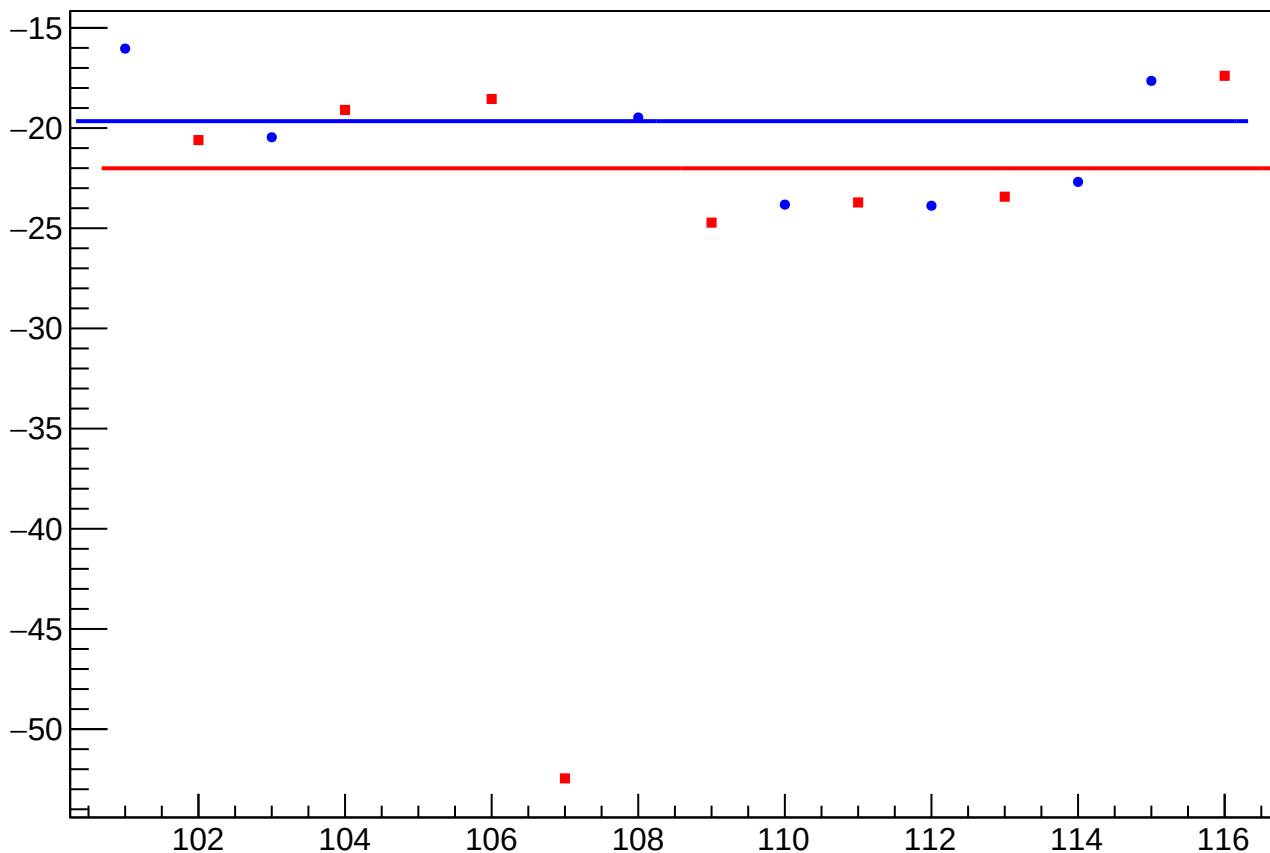
In: 1.669+/-0.499  $\chi^2/\text{NDF}$ : 256.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.978+/-0.361  $\chi^2/\text{NDF}$ : 445.3/14



reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.655+/-0.025  $\chi^2/\text{NDF}$ : 13579.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -22.008+/-0.023  $\chi^2/\text{NDF}$ : 75871.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

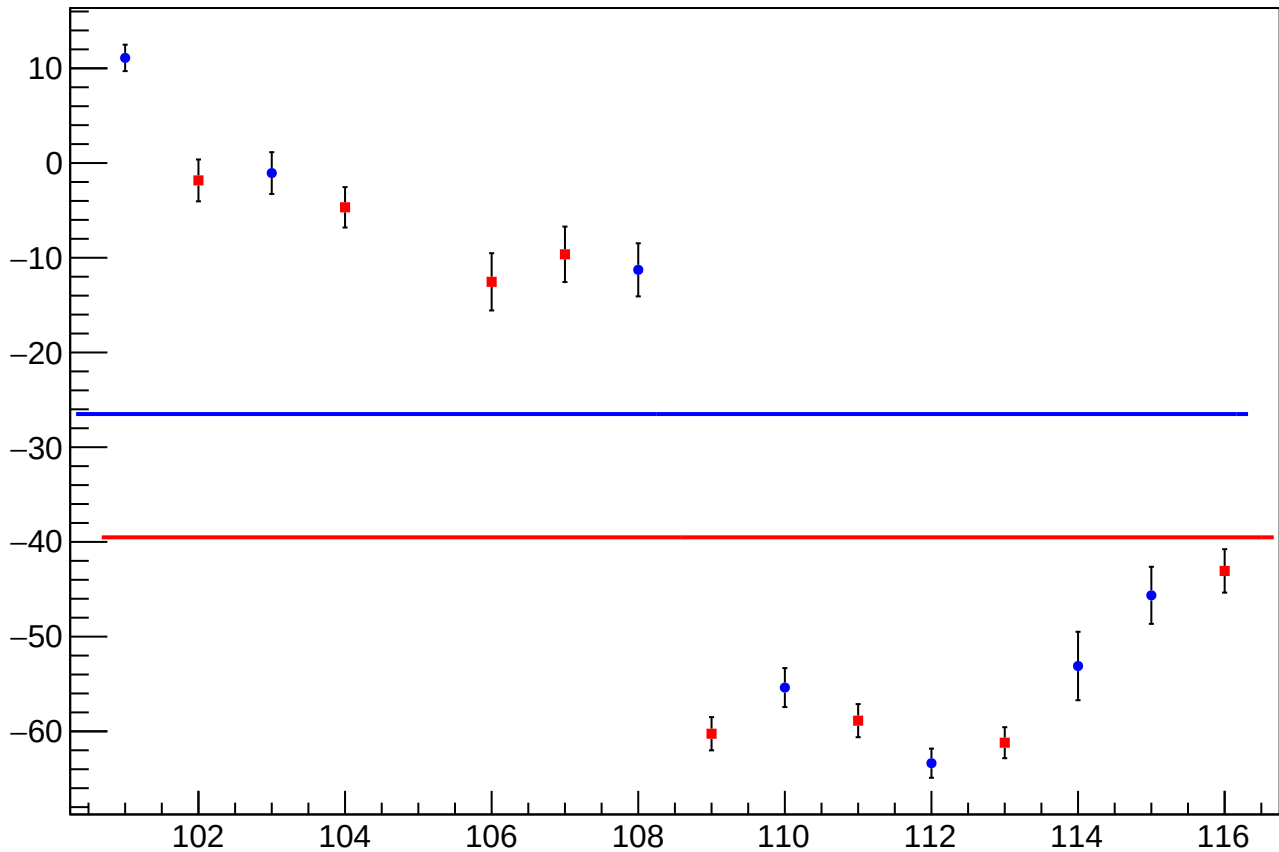
Right: -20.901+/-0.017  $\chi^2/\text{NDF}$ : 94194.4/14

In: -19.655+/-0.025  $\chi^2/\text{NDF}$ : 13579.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -20.901+/-0.017  $\chi^2/\text{NDF}$ : 94194.4/14

reg\_asym\_right\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-26.500 \pm 0.769$   $\chi^2/\text{NDF}$ : 1752.3/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.518 \pm 0.732$   $\chi^2/\text{NDF}$ : 1181.0/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

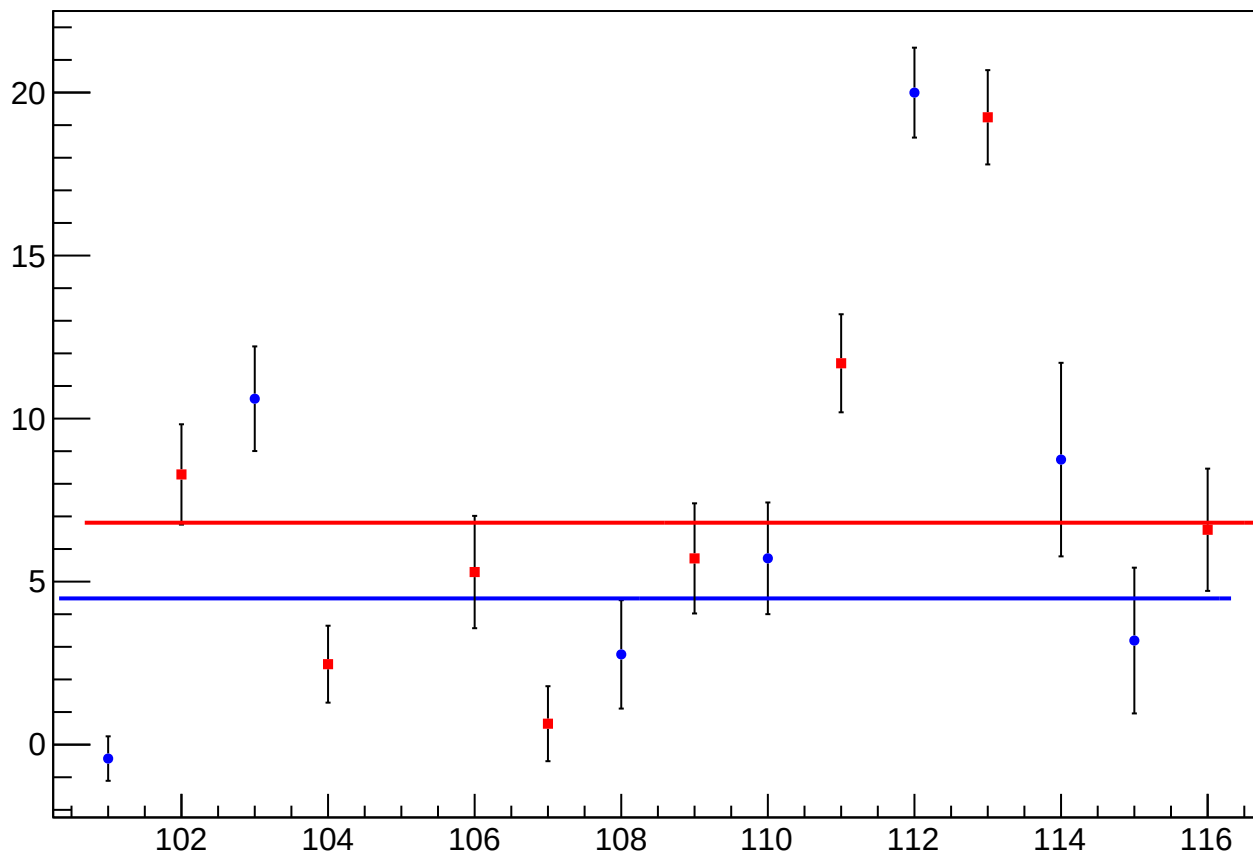
Right:  $-33.329 \pm 0.530$   $\chi^2/\text{NDF}$ : 3083.6/14

In:  $-26.500 \pm 0.769$   $\chi^2/\text{NDF}$ : 1752.3/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-33.329 \pm 0.530$   $\chi^2/\text{NDF}$ : 3083.6/14

reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.485+/-0.495  $\chi^2/\text{NDF}$ : 197.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.807+/-0.514  $\chi^2/\text{NDF}$ : 128.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

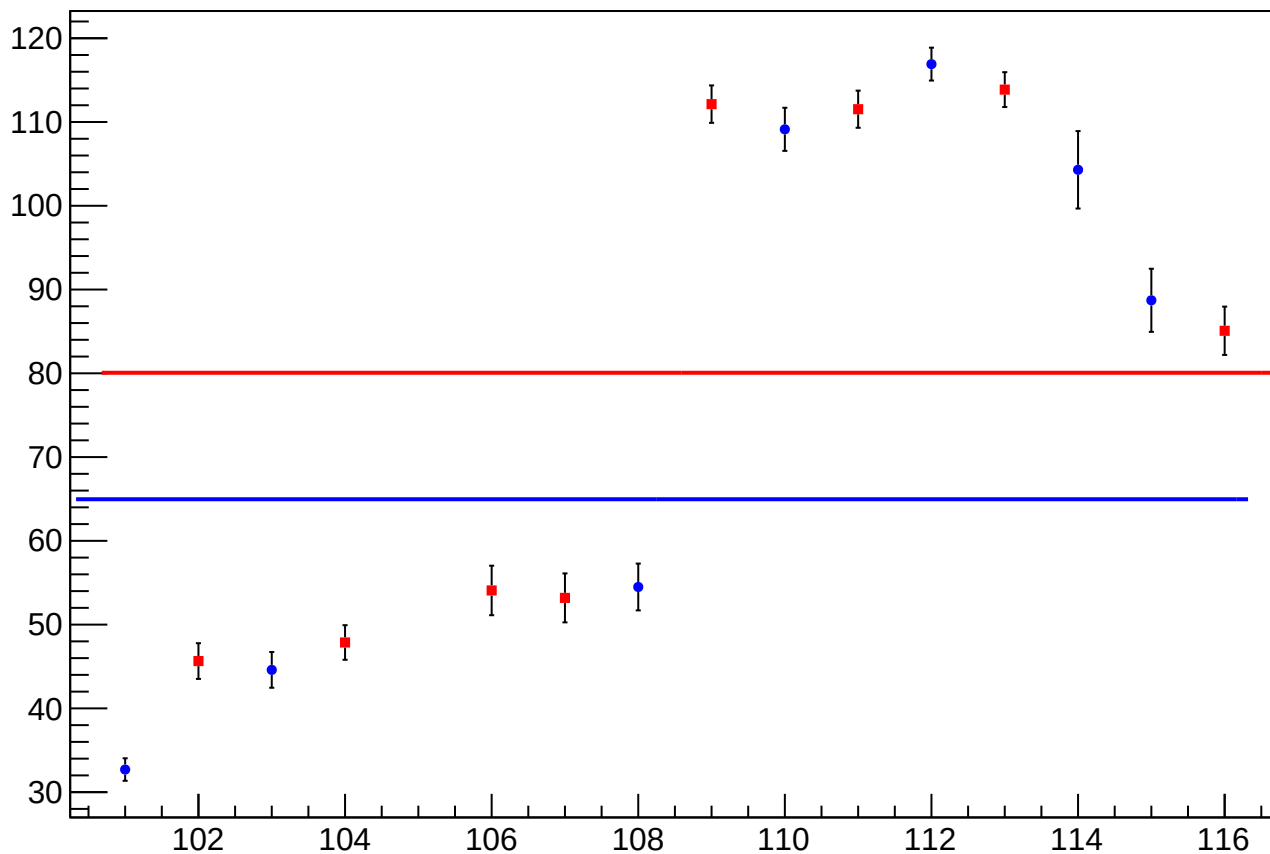
Right: 5.603+/-0.356  $\chi^2/\text{NDF}$ : 336.5/14

In: 4.485+/-0.495  $\chi^2/\text{NDF}$ : 197.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.603+/-0.356  $\chi^2/\text{NDF}$ : 336.5/14

reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 64.966+/-0.837  $\chi^2/\text{NDF}$ : 1788.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 80.066+/-0.833  $\chi^2/\text{NDF}$ : 1339.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

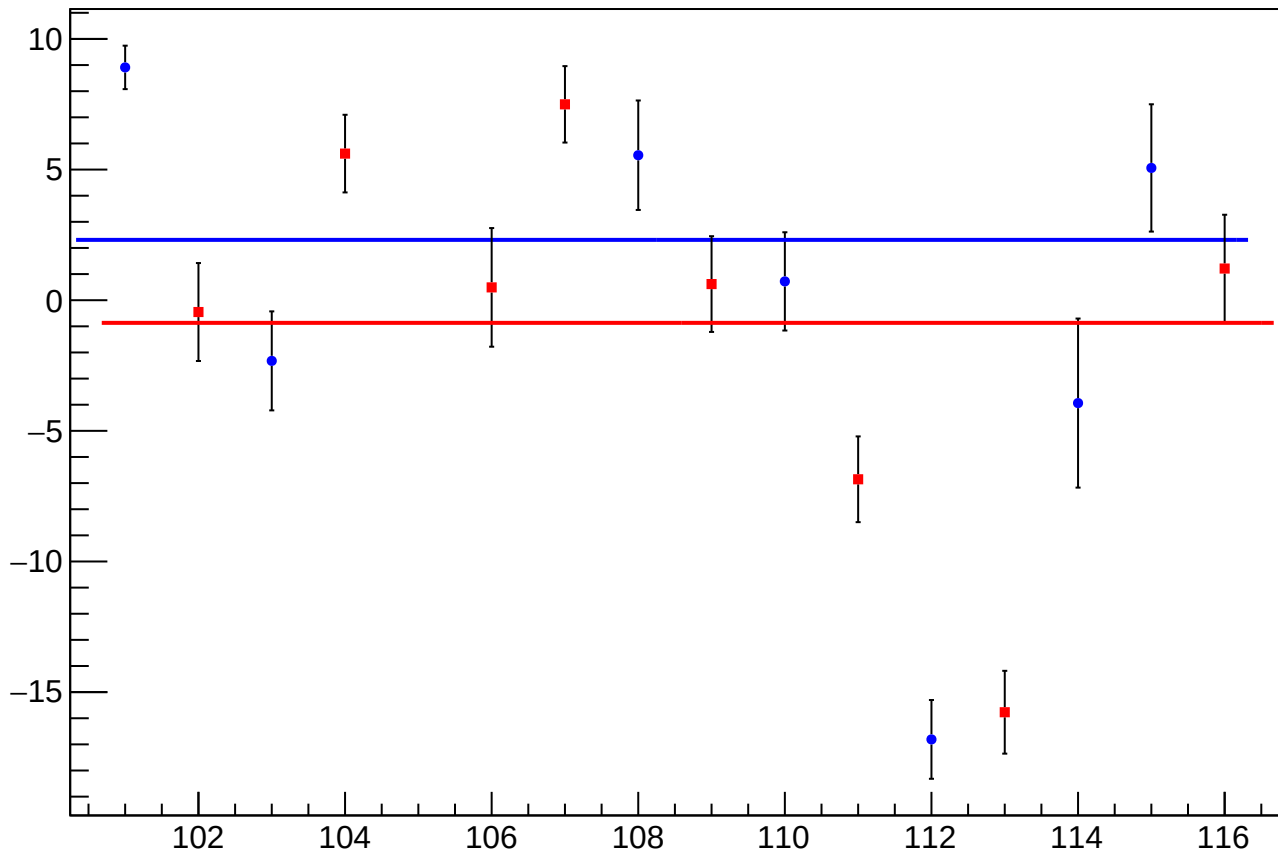
Right: 72.547+/-0.590  $\chi^2/\text{NDF}$ : 3291.9/14

In: 64.966+/-0.837  $\chi^2/\text{NDF}$ : 1788.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 72.547+/-0.590  $\chi^2/\text{NDF}$ : 3291.9/14

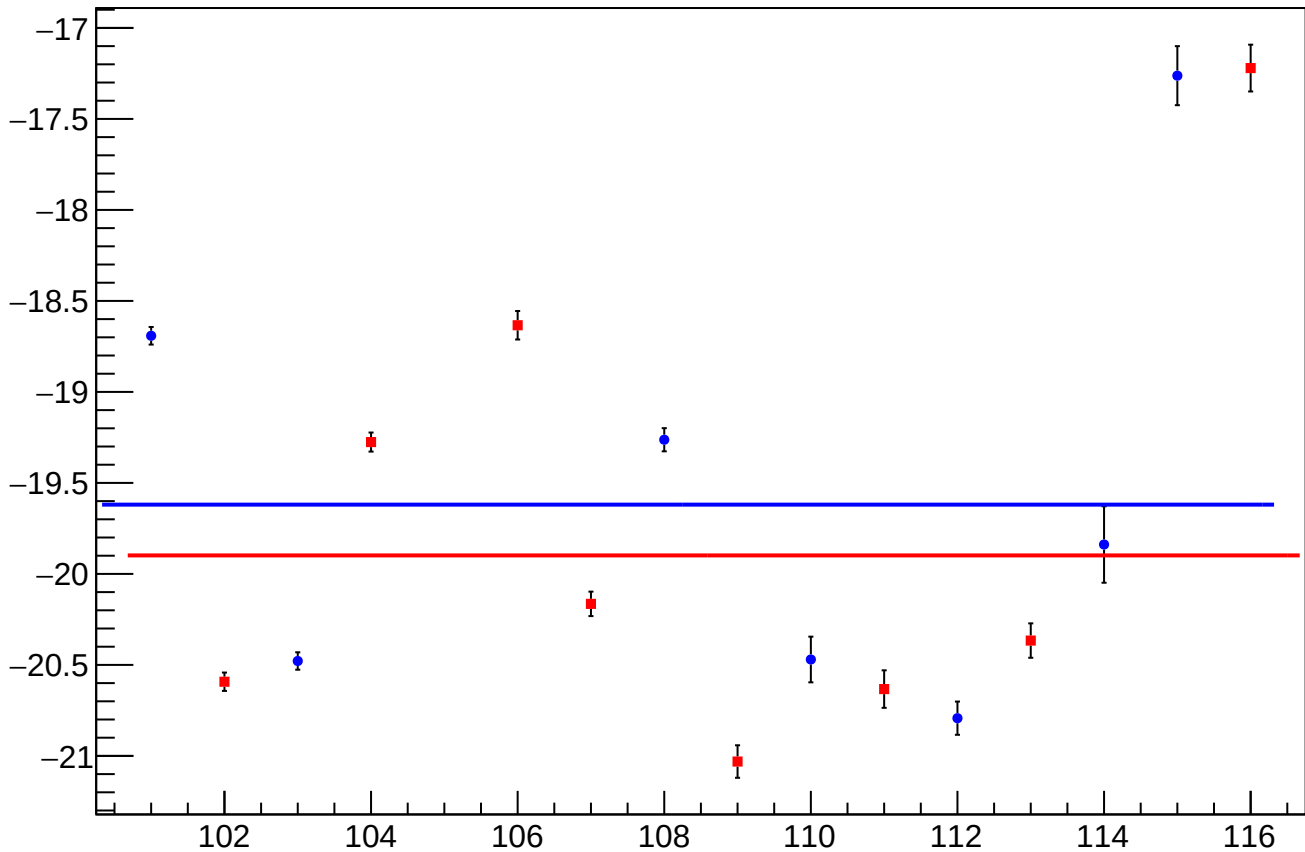
reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 2.309+/-0.583  $\chi^2/\text{NDF}$ : 237.9/6  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -0.867+/-0.608  $\chi^2/\text{NDF}$ : 155.5/7  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right: 0.788+/-0.421  $\chi^2/\text{NDF}$ : 407.6/14  
 In: 2.309+/-0.583  $\chi^2/\text{NDF}$ : 237.9/6  
 Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 All: 0.788+/-0.421  $\chi^2/\text{NDF}$ : 407.6/14

reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.619 \pm 0.027$   $\chi^2/\text{NDF}$ : 1145.3/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-19.898 \pm 0.026$   $\chi^2/\text{NDF}$ : 1277.1/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

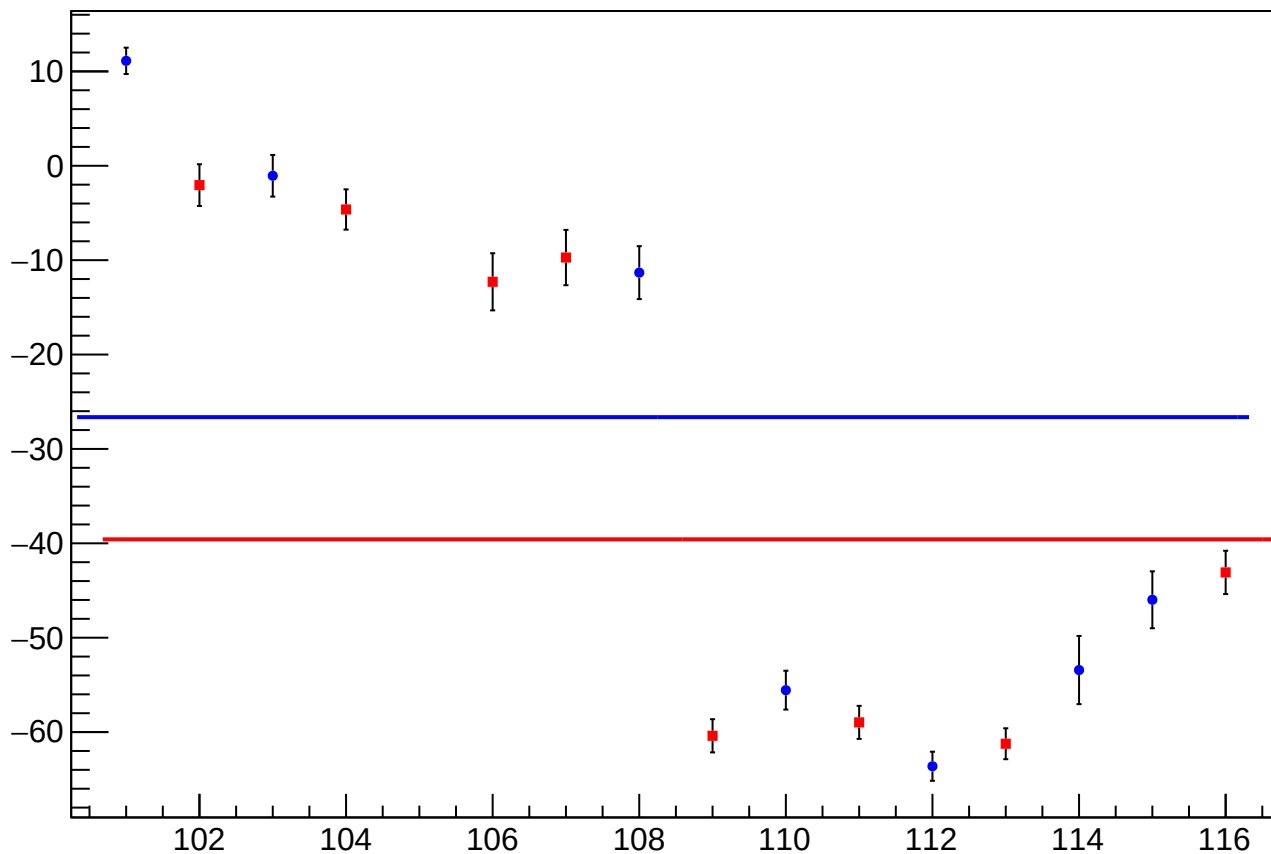
Right:  $-19.767 \pm 0.019$   $\chi^2/\text{NDF}$ : 2478.4/14

In:  $-19.619 \pm 0.027$   $\chi^2/\text{NDF}$ : 1145.3/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-19.767 \pm 0.019$   $\chi^2/\text{NDF}$ : 2478.4/14

reg\_asym\_right\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-26.631 \pm 0.770$   $\chi^2/\text{NDF}$ : 1764.3/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.576 \pm 0.733$   $\chi^2/\text{NDF}$ : 1181.7/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

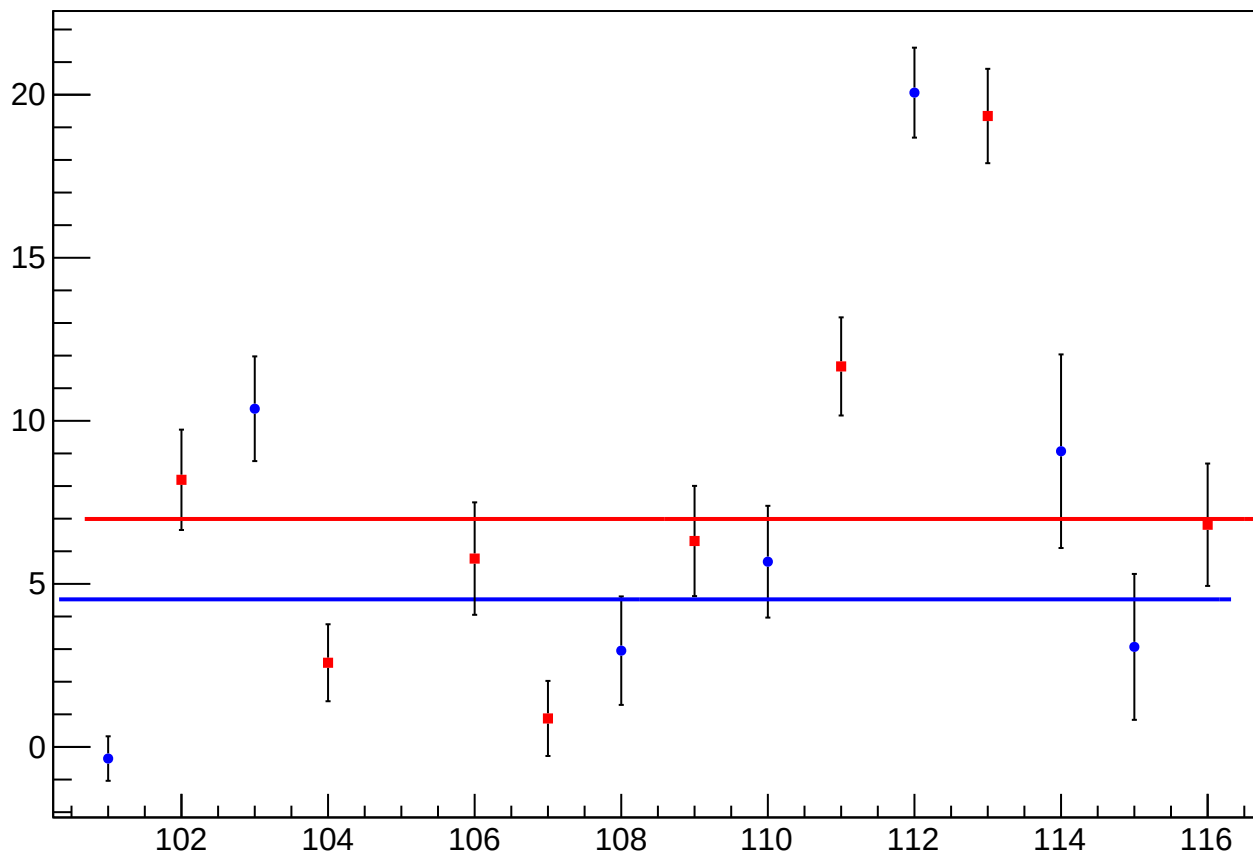
Right:  $-33.421 \pm 0.531$   $\chi^2/\text{NDF}$ : 3094.5/14

In:  $-26.631 \pm 0.770$   $\chi^2/\text{NDF}$ : 1764.3/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-33.421 \pm 0.531$   $\chi^2/\text{NDF}$ : 3094.5/14

reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.526+/-0.495  $\chi^2/\text{NDF}$ : 195.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.991+/-0.514  $\chi^2/\text{NDF}$ : 126.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 5.712+/-0.357  $\chi^2/\text{NDF}$ : 333.5/14

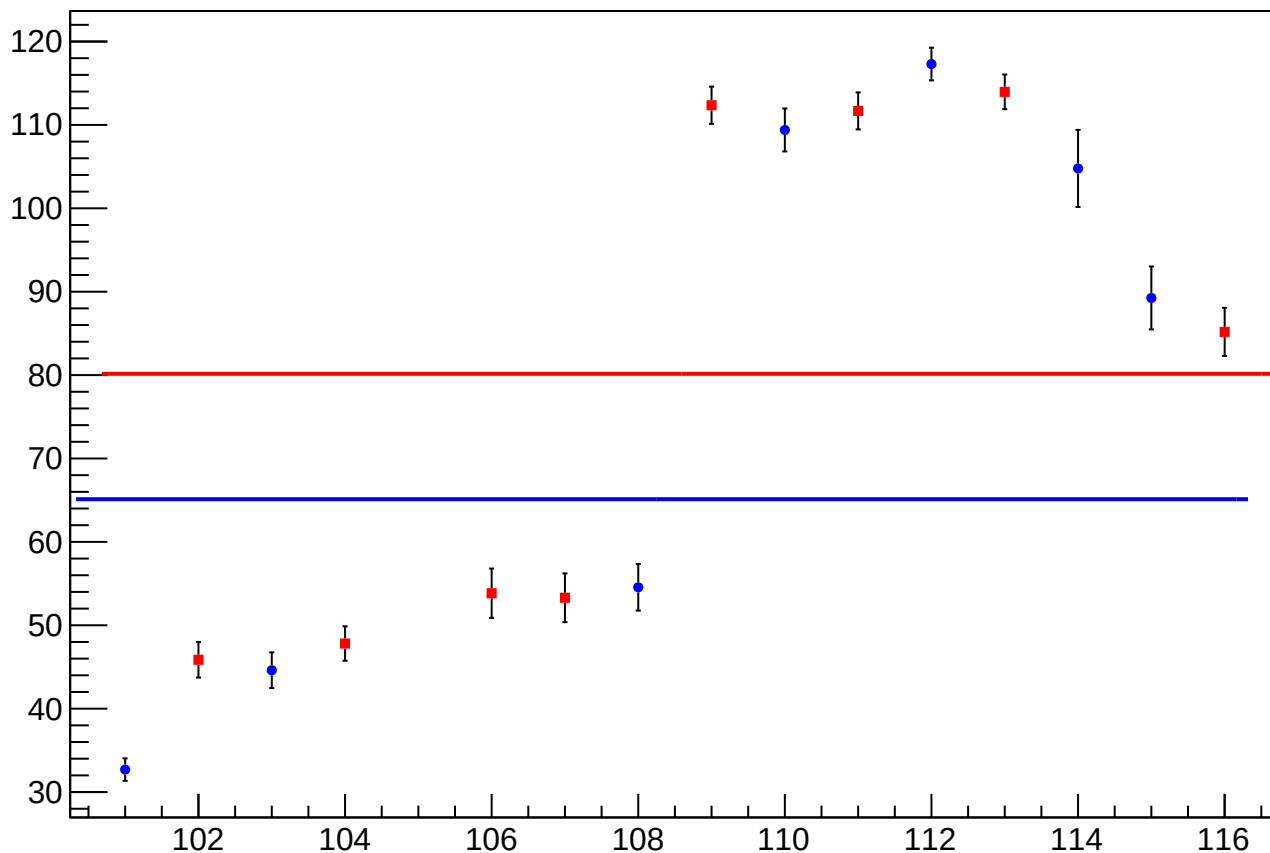
In: 4.526+/-0.495  $\chi^2/\text{NDF}$ : 195.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.712+/-0.357  $\chi^2/\text{NDF}$ : 333.5/14



reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 65.120+/-0.837  $\chi^2/\text{NDF}$ : 1804.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 80.154+/-0.834  $\chi^2/\text{NDF}$ : 1343.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

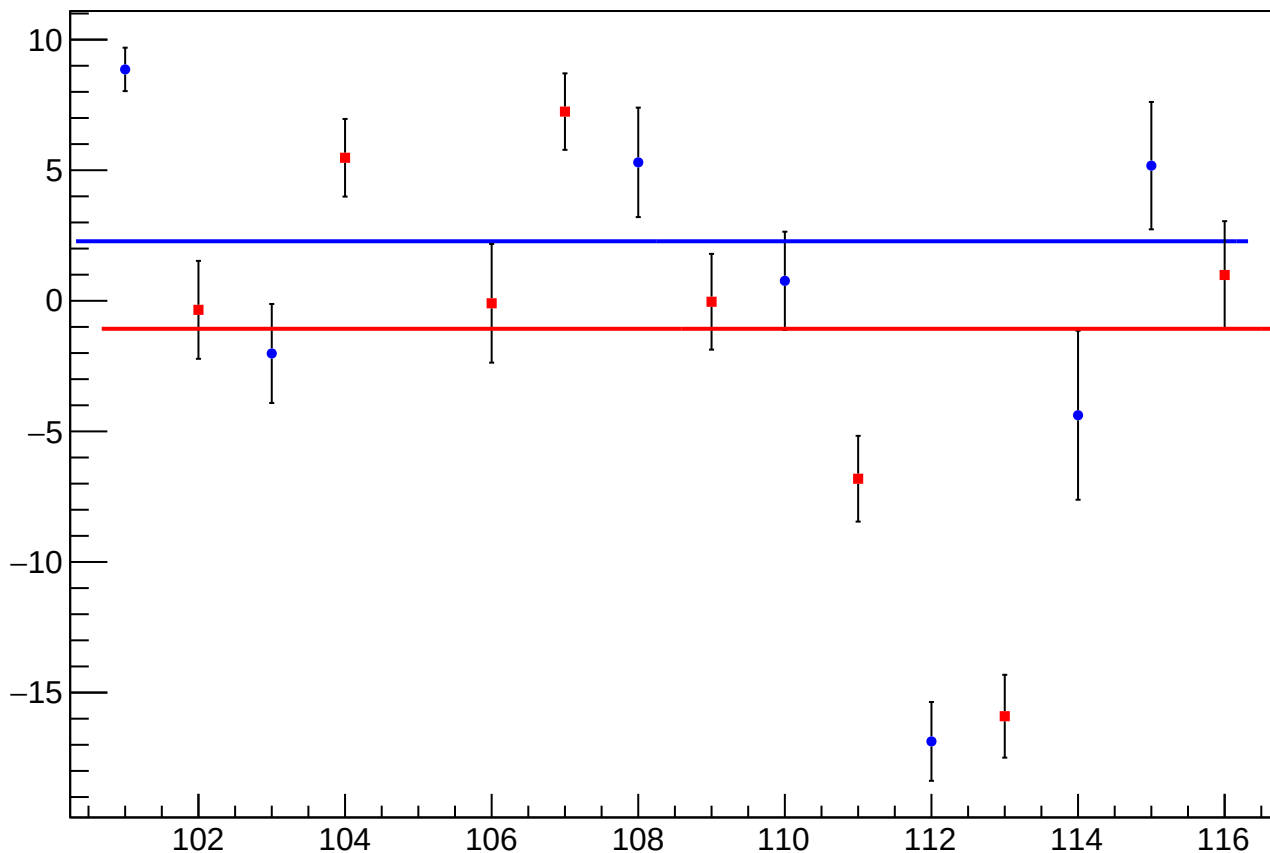
Right: 72.668+/-0.591  $\chi^2/\text{NDF}$ : 3309.6/14

In: 65.120+/-0.837  $\chi^2/\text{NDF}$ : 1804.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 72.668+/-0.591  $\chi^2/\text{NDF}$ : 3309.6/14

reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 2.280+/-0.584  $\chi^2/\text{NDF}$ : 237.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.071+/-0.609  $\chi^2/\text{NDF}$ : 153.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

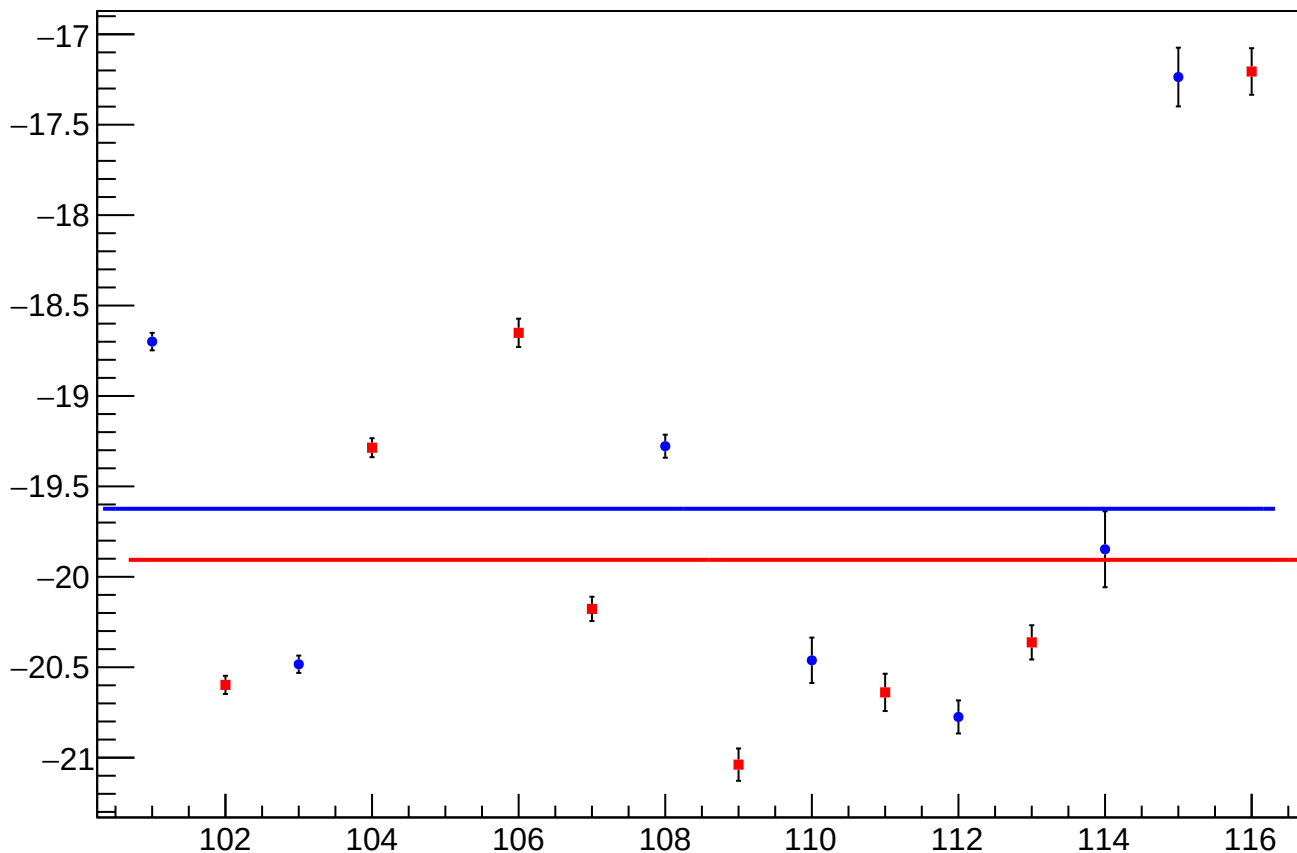
Right: 0.675+/-0.421  $\chi^2/\text{NDF}$ : 406.1/14

In: 2.280+/-0.584  $\chi^2/\text{NDF}$ : 237.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.675+/-0.421  $\chi^2/\text{NDF}$ : 406.1/14

reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.624 $\pm$ 0.027  $\chi^2$ /NDF: 1137.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -19.906 $\pm$ 0.026  $\chi^2$ /NDF: 1275.3/7

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

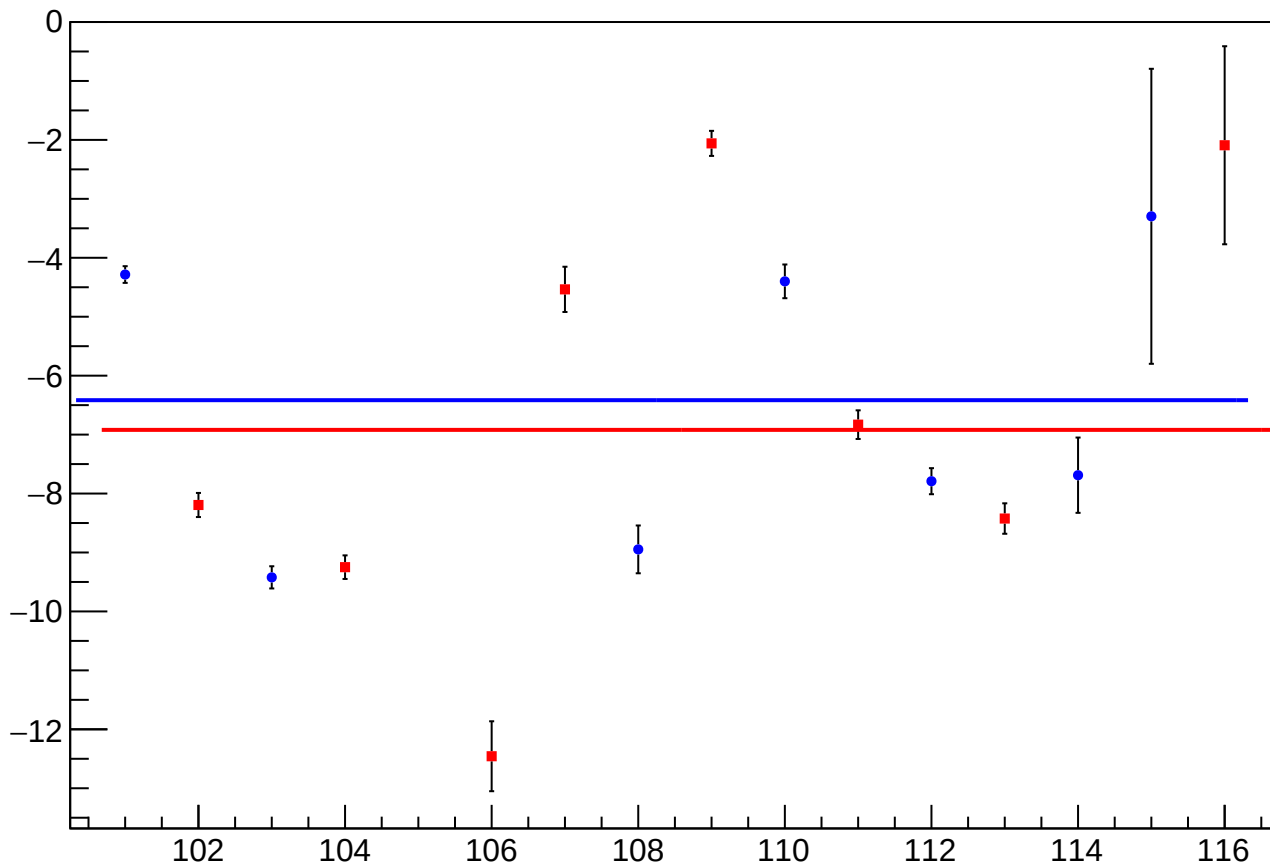
Right: -19.774 $\pm$ 0.019  $\chi^2$ /NDF: 2470.6/14

In: -19.624 $\pm$ 0.027  $\chi^2$ /NDF:1137.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -19.774 $\pm$ 0.019  $\chi^2$ /NDF: 2470.6/14

reg\_asym\_sam\_15\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -6.416+/-0.092  $\chi^2/\text{NDF}$ : 614.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.920+/-0.094  $\chi^2/\text{NDF}$ : 865.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

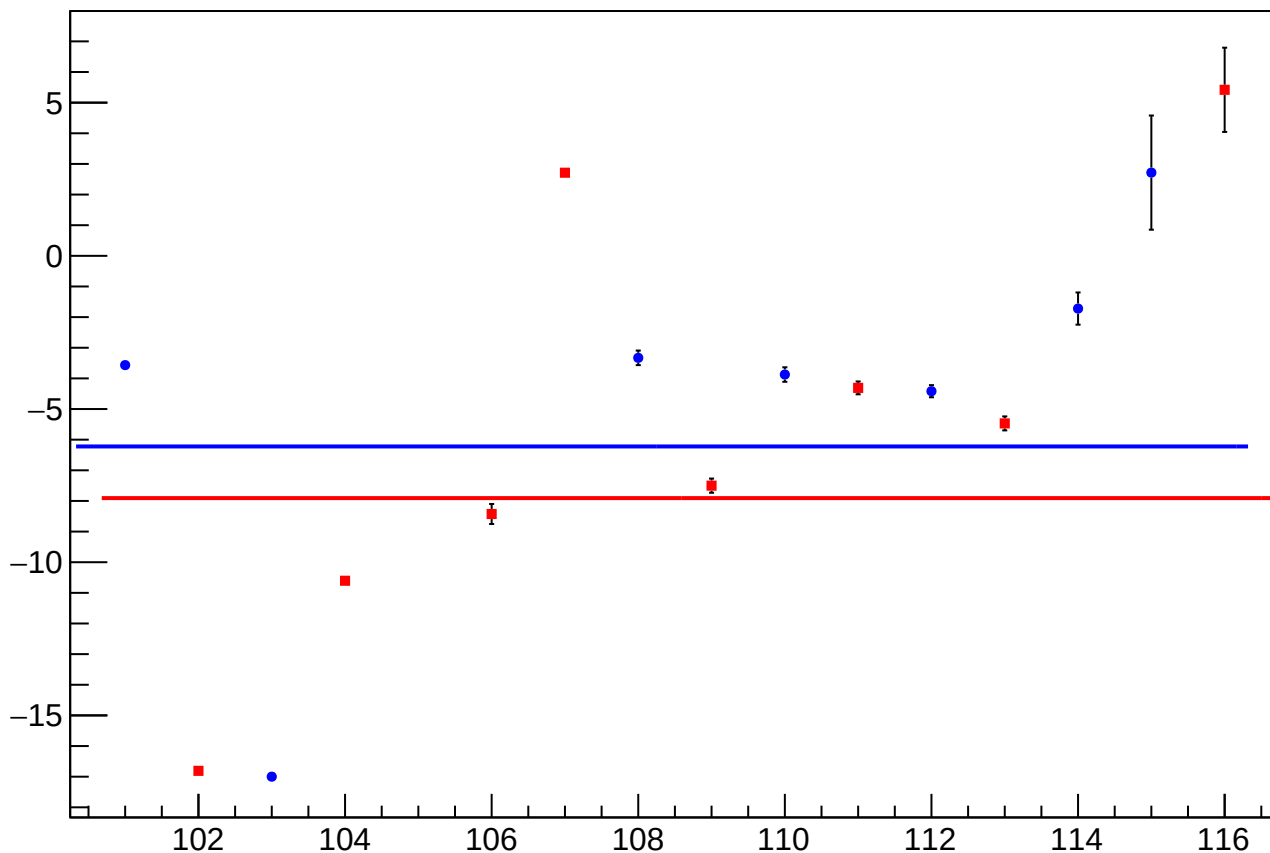
Right: -6.661+/-0.066  $\chi^2/\text{NDF}$ : 1494.2/14

In: -6.416+/-0.092  $\chi^2/\text{NDF}$ : 614.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.661+/-0.066  $\chi^2/\text{NDF}$ : 1494.2/14

reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.222+/-0.059  $\chi^2/\text{NDF}$ : 7953.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.907+/-0.067  $\chi^2/\text{NDF}$ : 9446.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

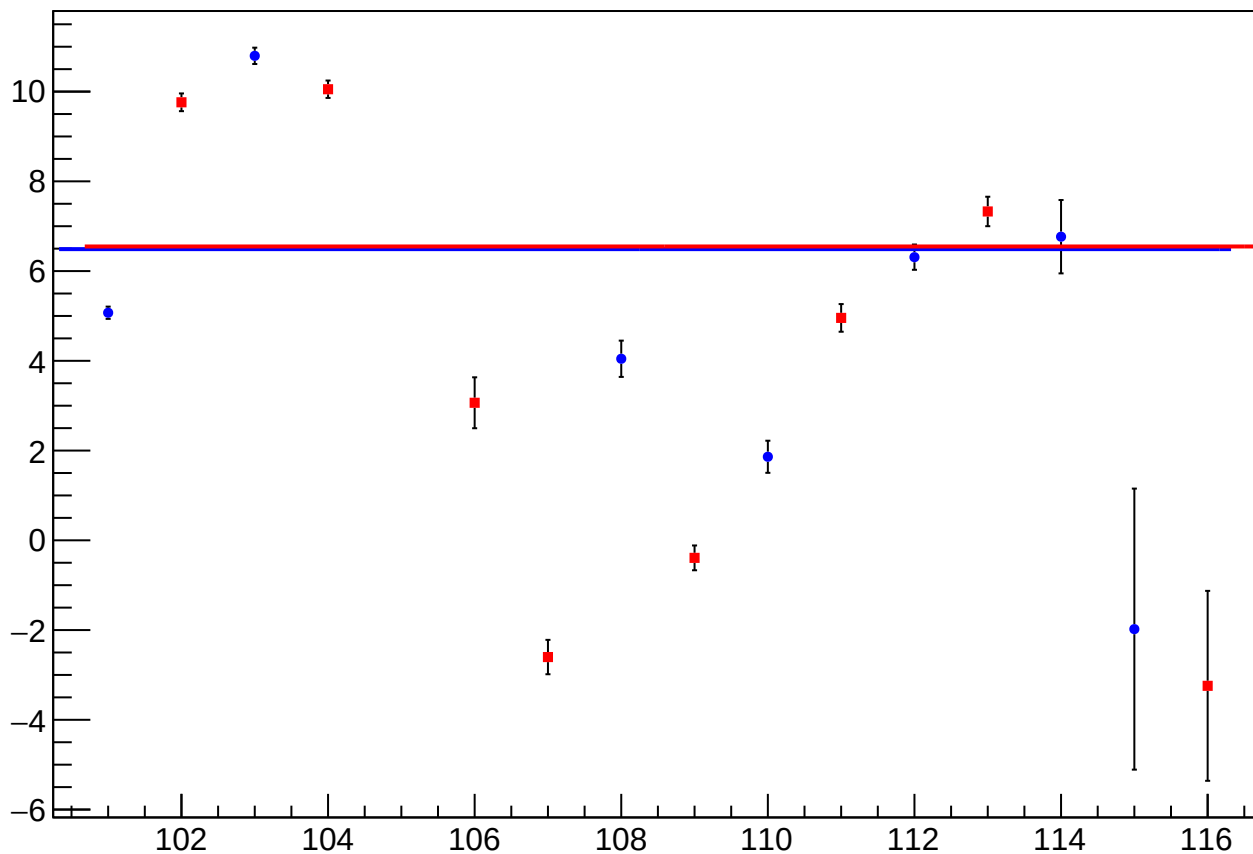
Right: -6.970+/-0.044  $\chi^2/\text{NDF}$ : 17757.3/14

In: -6.222+/-0.059  $\chi^2/\text{NDF}$ : 7953.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.970+/-0.044  $\chi^2/\text{NDF}$ : 17757.3/14

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.489+/-0.095  $\chi^2/\text{NDF}$ : 879.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.548+/-0.102  $\chi^2/\text{NDF}$ : 1884.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

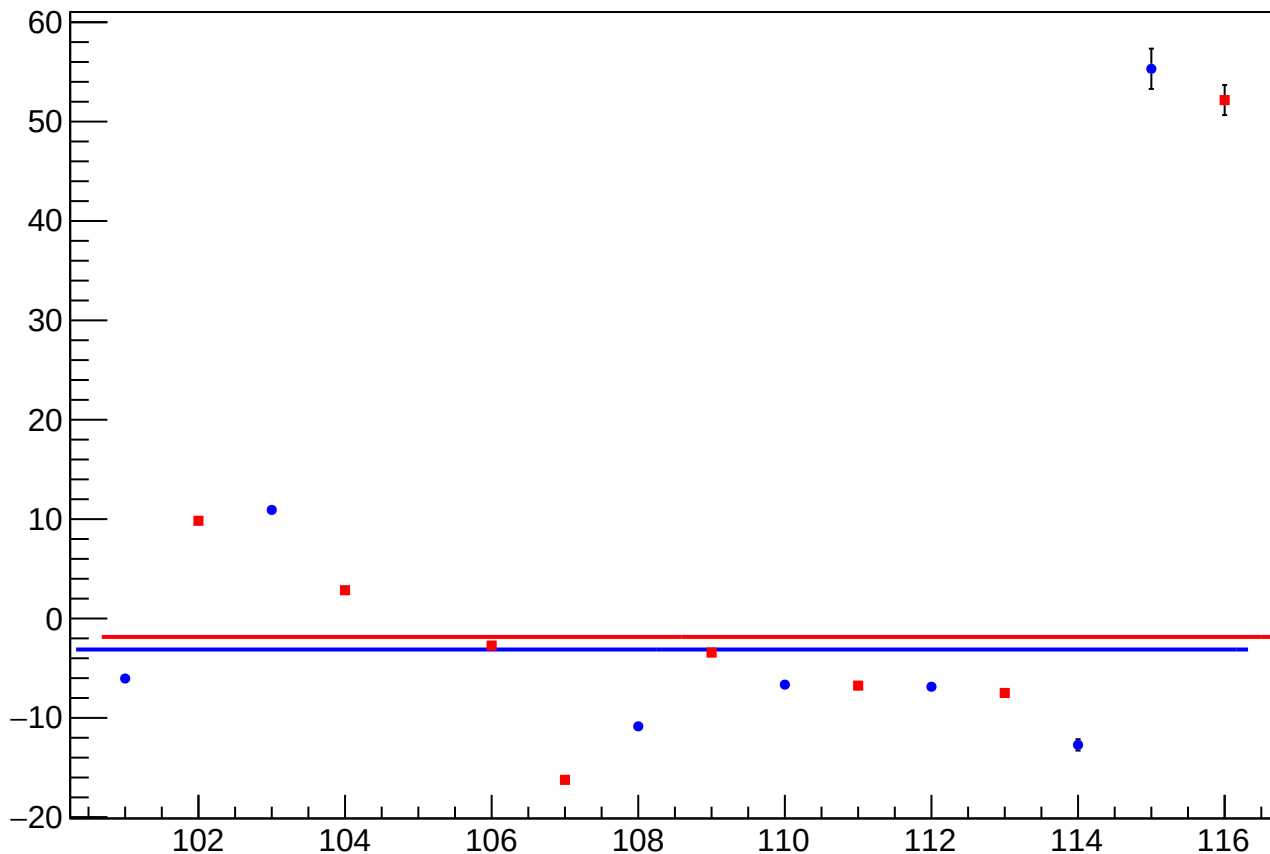
Right: 6.516+/-0.069  $\chi^2/\text{NDF}$ : 2763.3/14

In: 6.489+/-0.095  $\chi^2/\text{NDF}$ : 879.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.516+/-0.069  $\chi^2/\text{NDF}$ : 2763.3/14

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -3.120+/-0.071  $\chi^2/\text{NDF}$ : 10980.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.852+/-0.079  $\chi^2/\text{NDF}$ : 12997.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

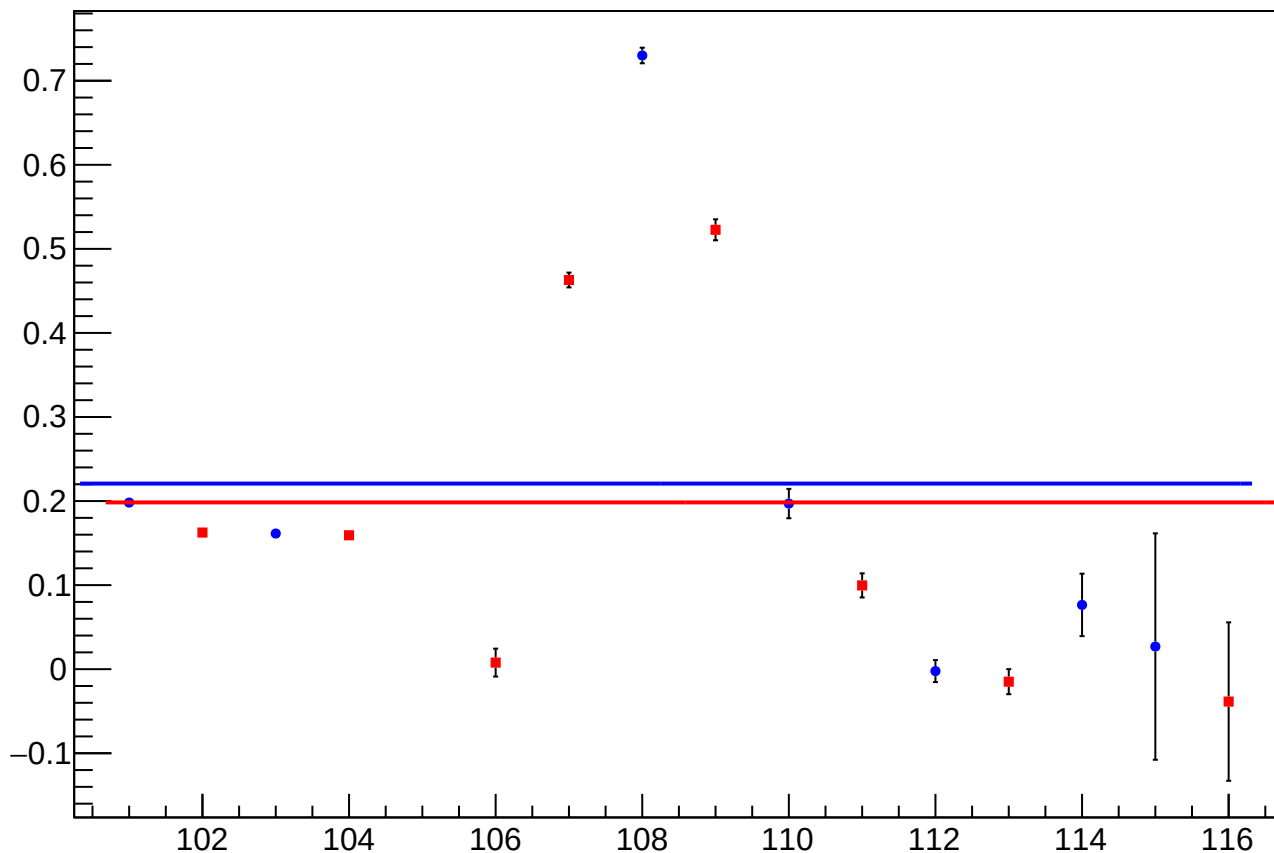
Right: -2.559+/-0.053  $\chi^2/\text{NDF}$ : 24119.5/14

In: -3.120+/-0.071  $\chi^2/\text{NDF}$ : 10980.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.559+/-0.053  $\chi^2/\text{NDF}$ : 24119.5/14

reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.221+/-0.003  $\chi^2/\text{NDF}$ : 3547.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.198+/-0.003  $\chi^2/\text{NDF}$ : 2090.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.209+/-0.002  $\chi^2/\text{NDF}$ : 5668.4/14

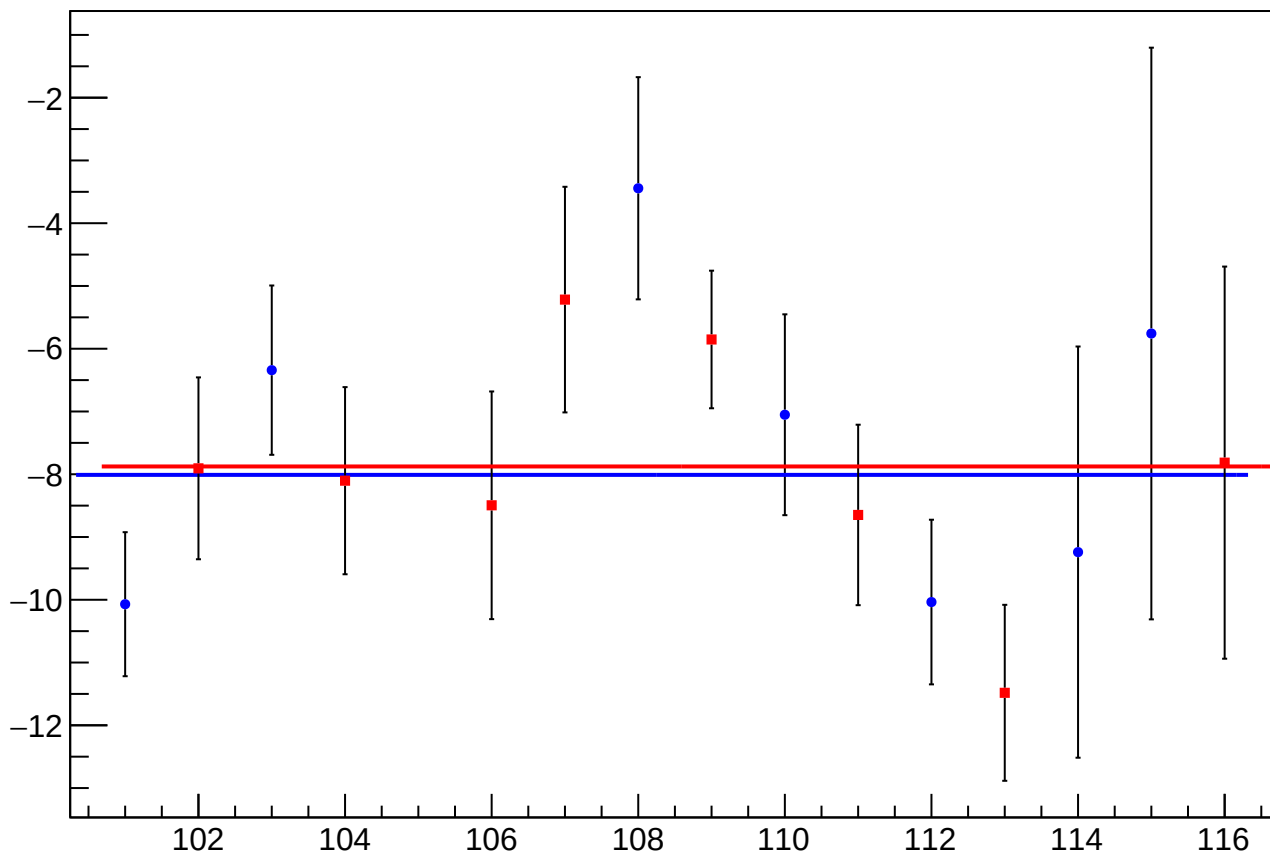
In: 0.221+/-0.003  $\chi^2/\text{NDF}$ :3547.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.209+/-0.002  $\chi^2/\text{NDF}$ : 5668.4/14



reg\_asym\_sam\_15\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -8.010+/-0.604  $\chi^2/\text{NDF}$ : 14.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -7.876+/-0.537  $\chi^2/\text{NDF}$ : 12.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

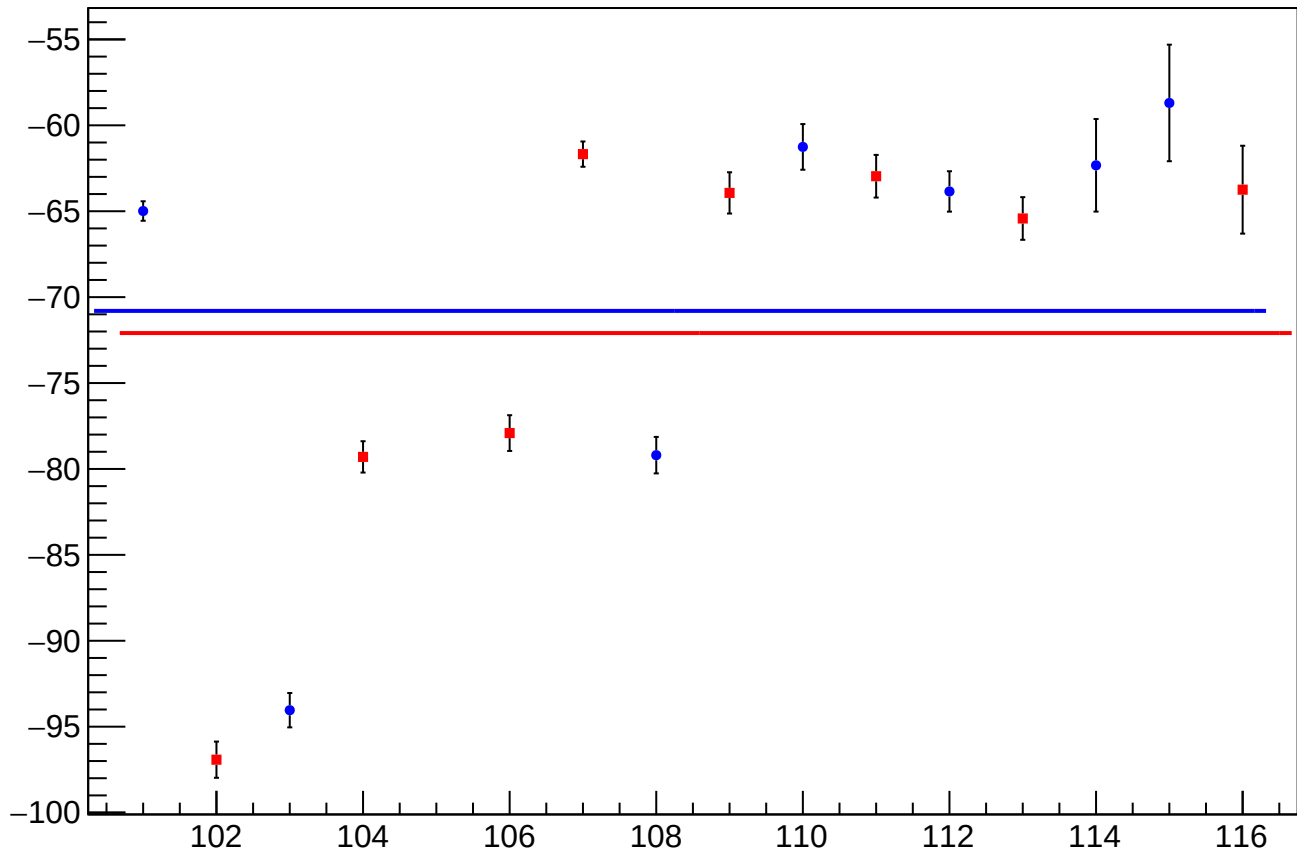
Right: -7.935+/-0.401  $\chi^2/\text{NDF}$ : 27.2/14

In: -8.010+/-0.604  $\chi^2/\text{NDF}$ :14.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -7.935+/-0.401  $\chi^2/\text{NDF}$ : 27.2/14

reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -70.800+/-0.392  $\chi^2/\text{NDF}$ : 816.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -72.090+/-0.377  $\chi^2/\text{NDF}$ : 989.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

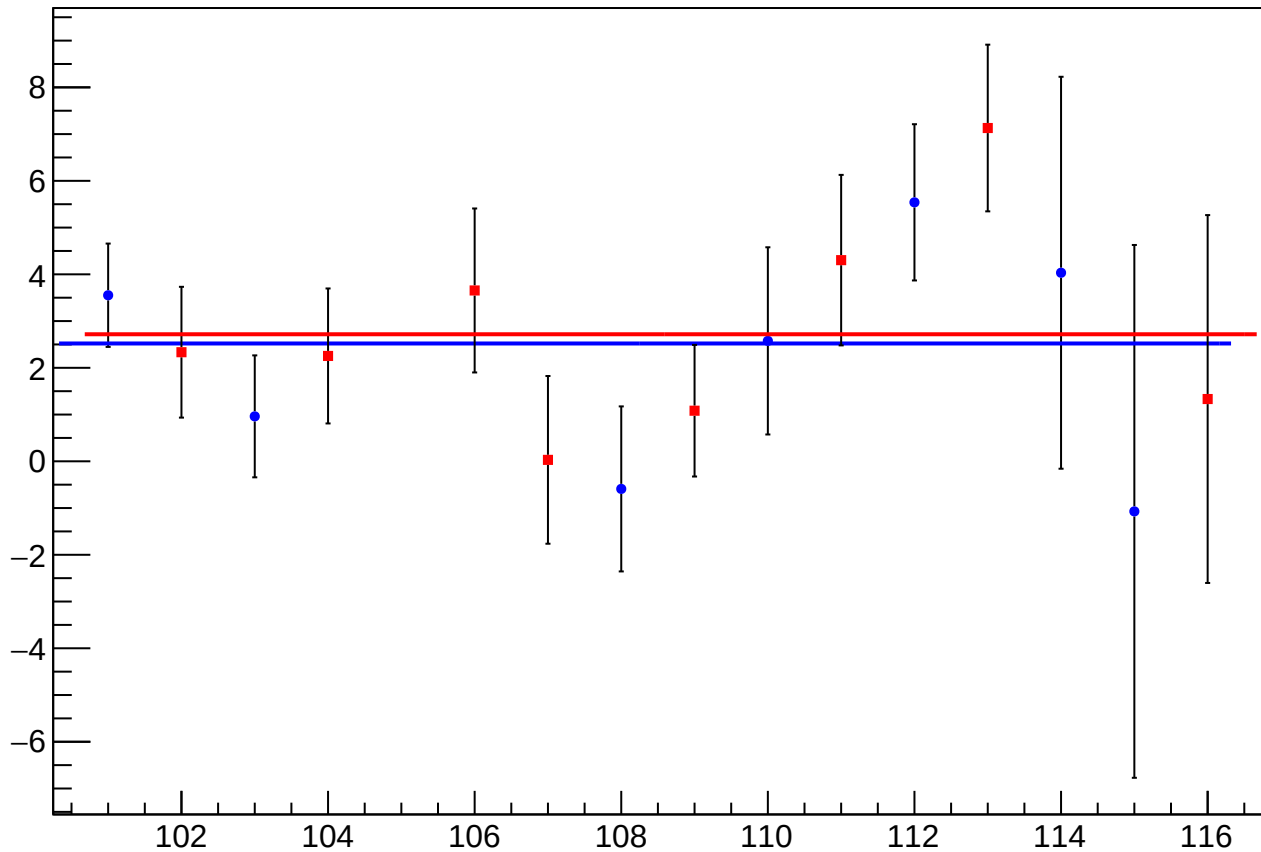
Right: -71.470+/-0.272  $\chi^2/\text{NDF}$ : 1811.4/14

In: -70.800+/-0.392  $\chi^2/\text{NDF}$ : 816.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -71.470+/-0.272  $\chi^2/\text{NDF}$ : 1811.4/14

reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.521+/-0.643  $\chi^2/\text{NDF}$ : 9.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.718+/-0.596  $\chi^2/\text{NDF}$ : 11.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

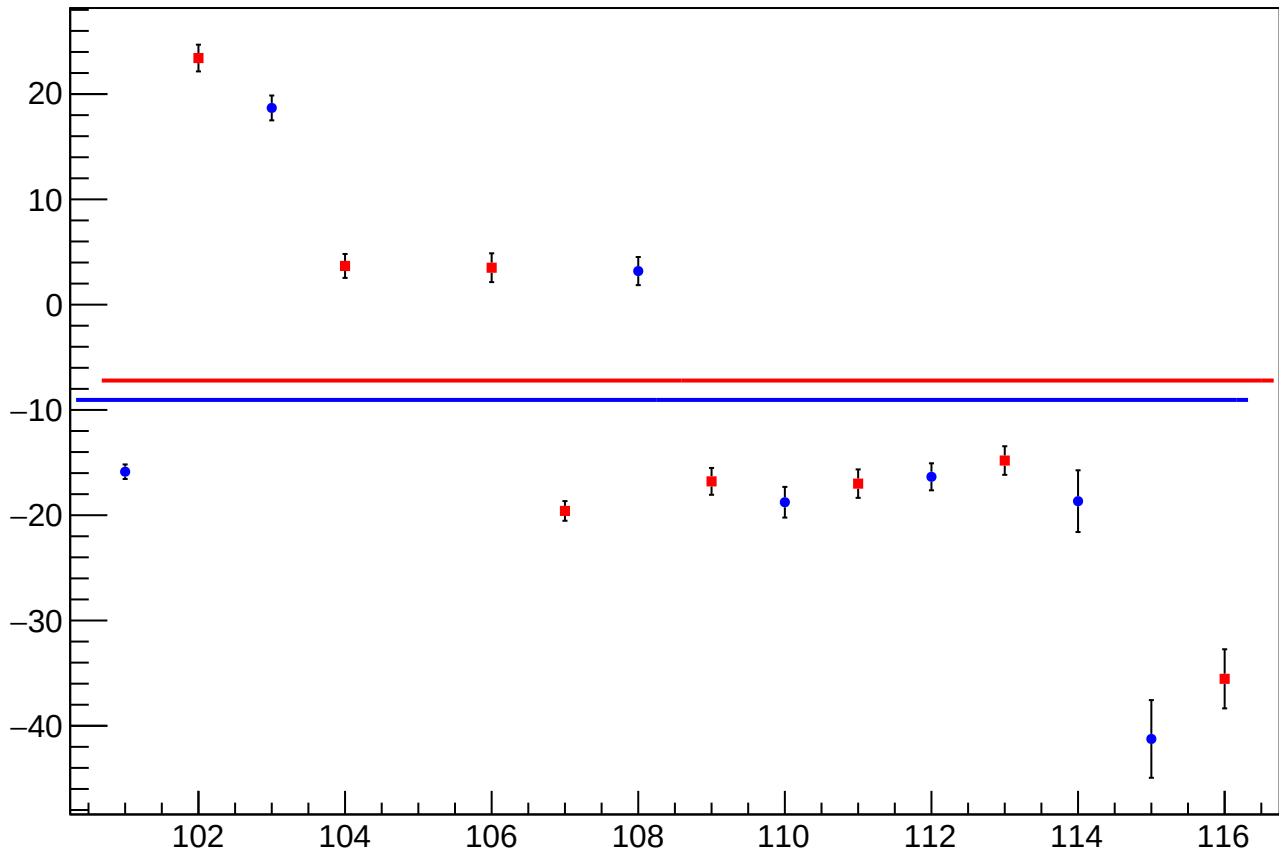
Right: 2.627+/-0.437  $\chi^2/\text{NDF}$ : 20.3/14

In: 2.521+/-0.643  $\chi^2/\text{NDF}$ : 9.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.627+/-0.437  $\chi^2/\text{NDF}$ : 20.3/14

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -9.048 $\pm$ 0.465  $\chi^2$ /NDF: 896.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7.208 $\pm$ 0.451  $\chi^2$ /NDF: 1152.1/7

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

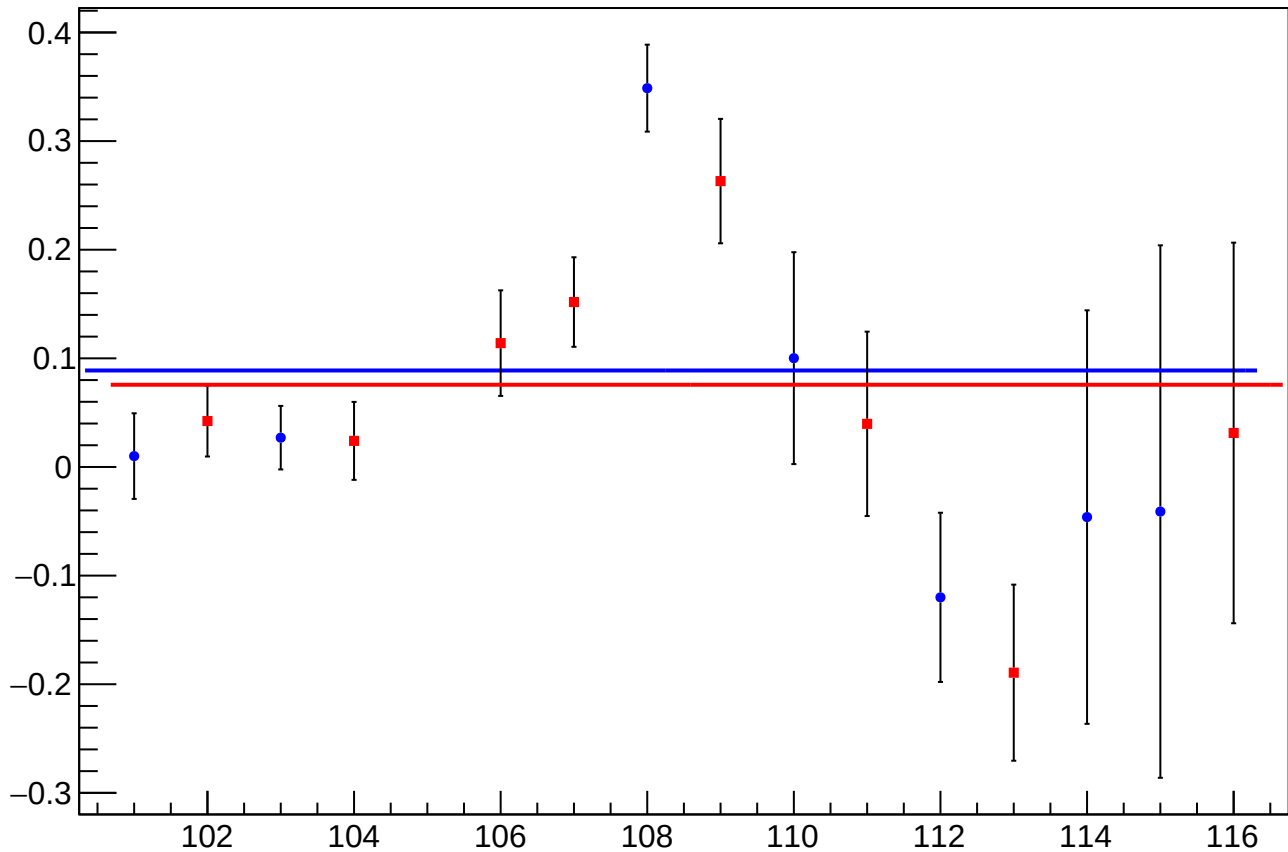
Right: -8.102 $\pm$ 0.324  $\chi^2$ /NDF: 2056.5/14

In: -9.048 $\pm$ 0.465  $\chi^2$ /NDF:896.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -8.102 $\pm$ 0.324  $\chi^2$ /NDF: 2056.5/14

reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.089 $\pm$ 0.019  $\chi^2$ /NDF: 58.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.076 $\pm$ 0.017  $\chi^2$ /NDF: 28.8/7

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

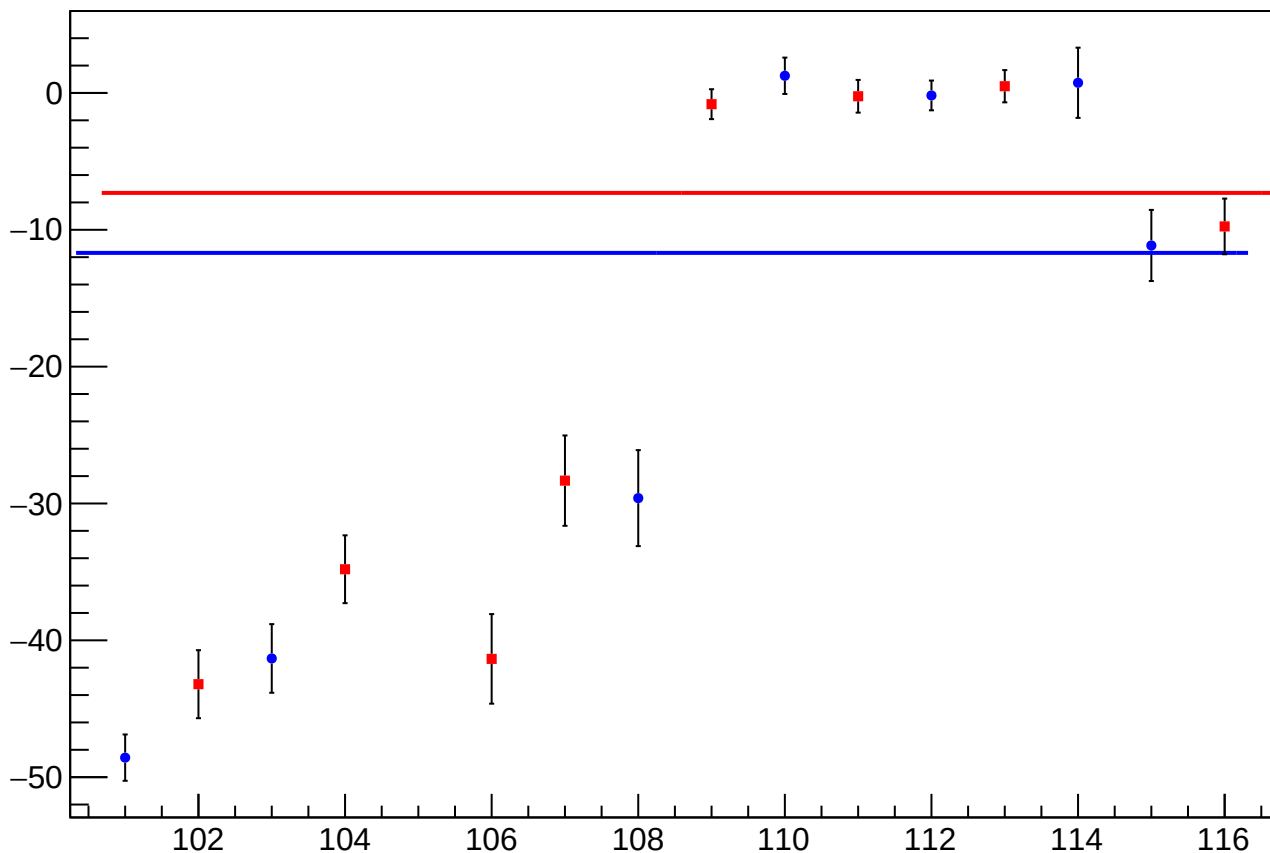
Right: 0.082 $\pm$ 0.013  $\chi^2$ /NDF: 87.7/14

In: 0.089 $\pm$ 0.019  $\chi^2$ /NDF:58.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.082 $\pm$ 0.013  $\chi^2$ /NDF: 87.7/14

reg\_asym\_sam\_37\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-11.687 \pm 0.659$   $\chi^2/\text{NDF}$ : 870.9/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-7.304 \pm 0.576$   $\chi^2/\text{NDF}$ : 595.9/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

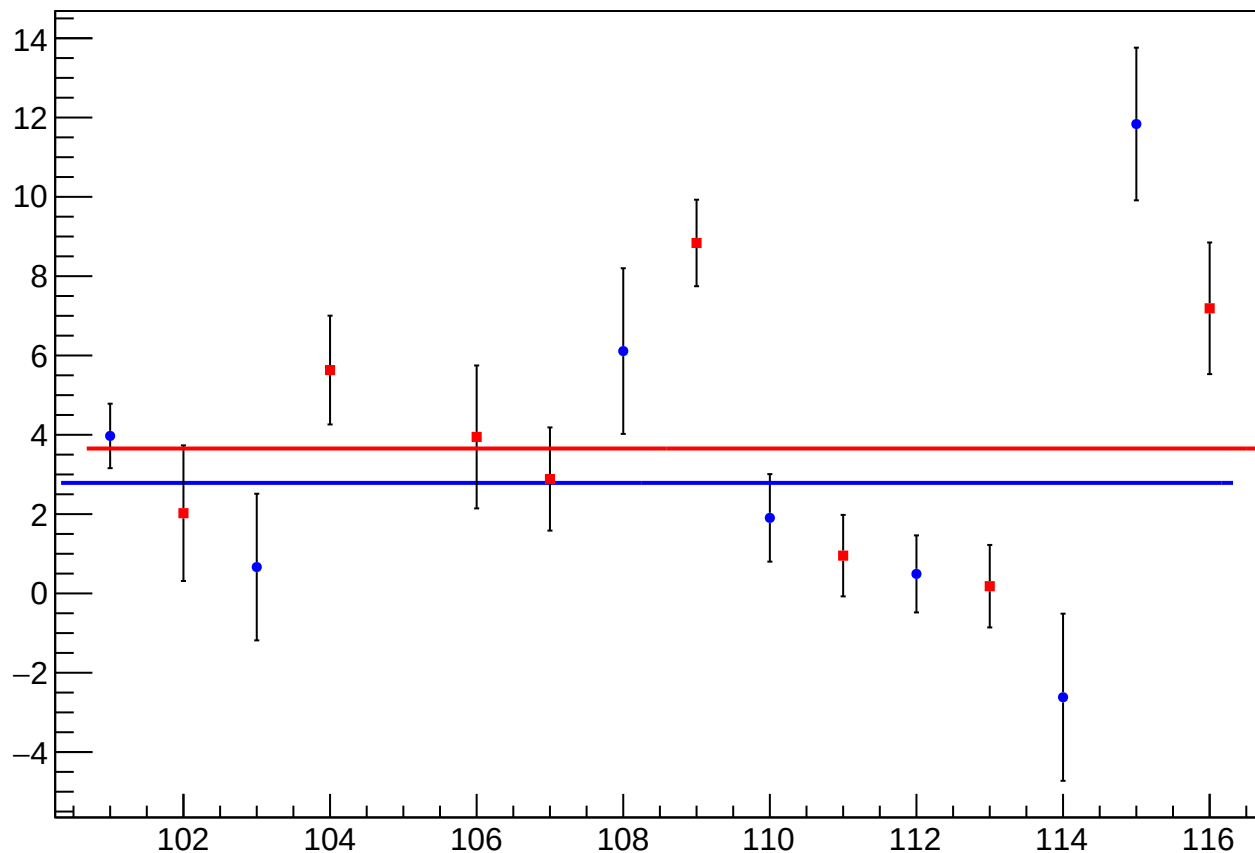
Right:  $-9.204 \pm 0.434$   $\chi^2/\text{NDF}$ : 1491.8/14

In:  $-11.687 \pm 0.659$   $\chi^2/\text{NDF}$ : 870.9/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-9.204 \pm 0.434$   $\chi^2/\text{NDF}$ : 1491.8/14

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.787 $\pm$ 0.476  $\chi^2$ /NDF: 40.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3.654 $\pm$ 0.454  $\chi^2$ /NDF: 48.5/7

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

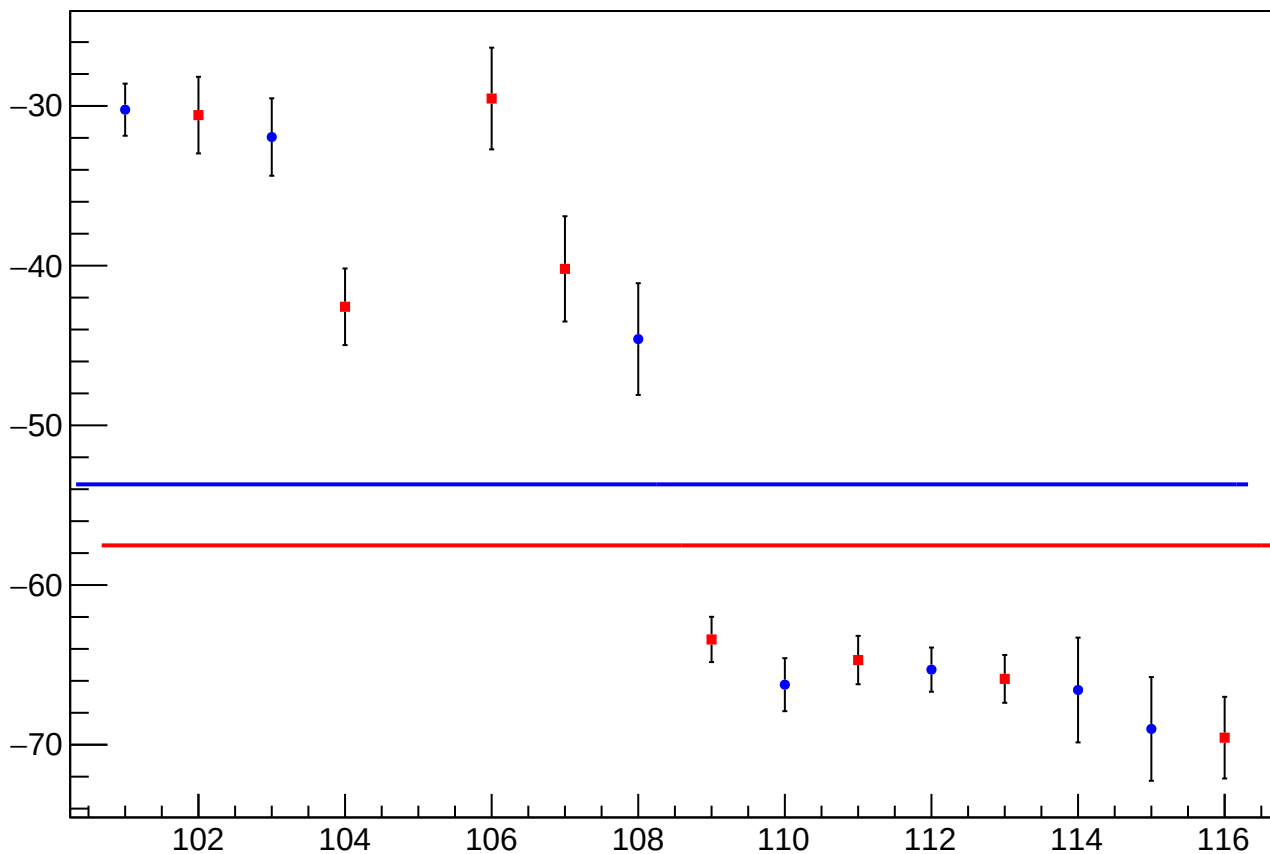
Right: 3.241 $\pm$ 0.329  $\chi^2$ /NDF: 91.2/14

In: 2.787 $\pm$ 0.476  $\chi^2$ /NDF:40.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 3.241 $\pm$ 0.329  $\chi^2$ /NDF: 91.2/14

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -53.696+/-0.767  $\chi^2/\text{NDF}$ : 459.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -57.517+/-0.695  $\chi^2/\text{NDF}$ : 362.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -55.794+/-0.515  $\chi^2/\text{NDF}$ : 835.6/14

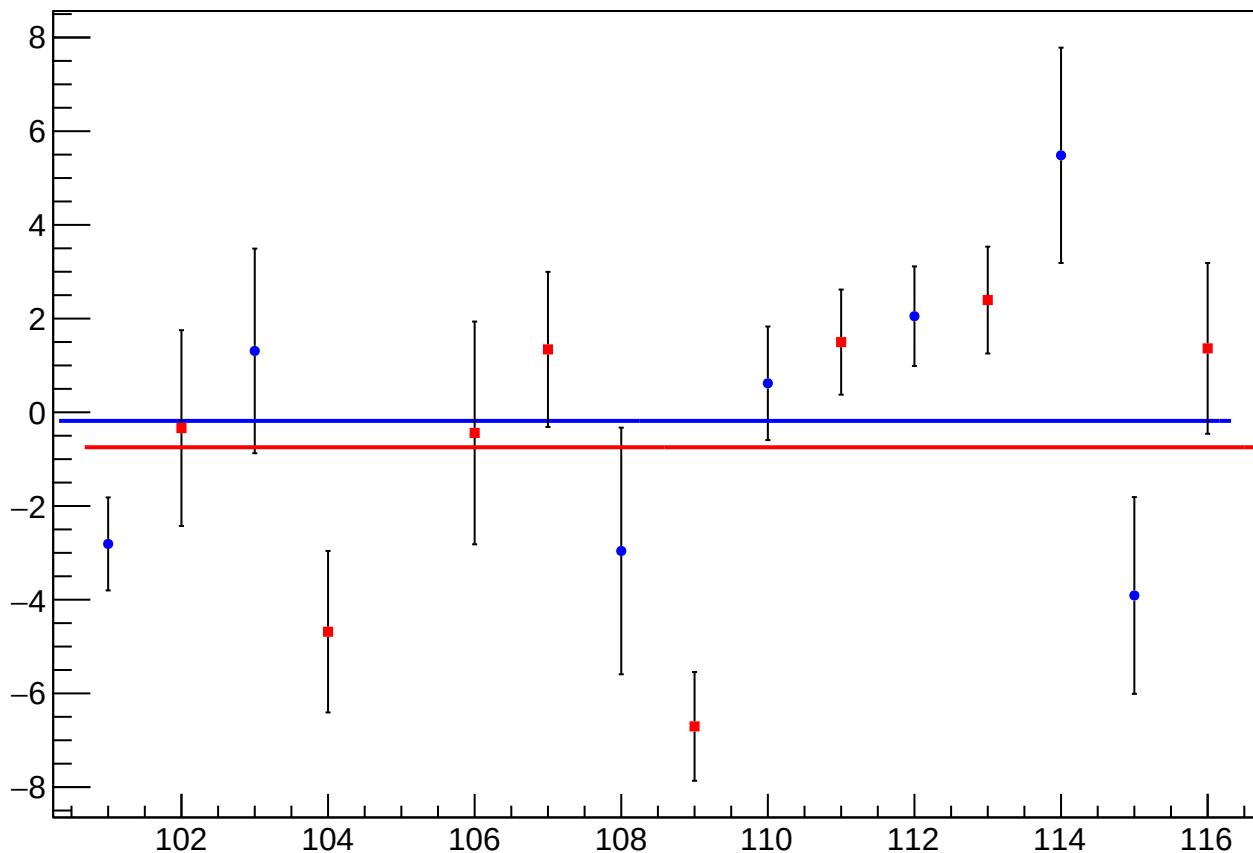
In: -53.696+/-0.767  $\chi^2/\text{NDF}$ : 459.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -55.794+/-0.515  $\chi^2/\text{NDF}$ : 835.6/14



reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -0.183+/-0.546  $\chi^2/\text{NDF}$ : 22.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.746+/-0.519  $\chi^2/\text{NDF}$ : 46.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

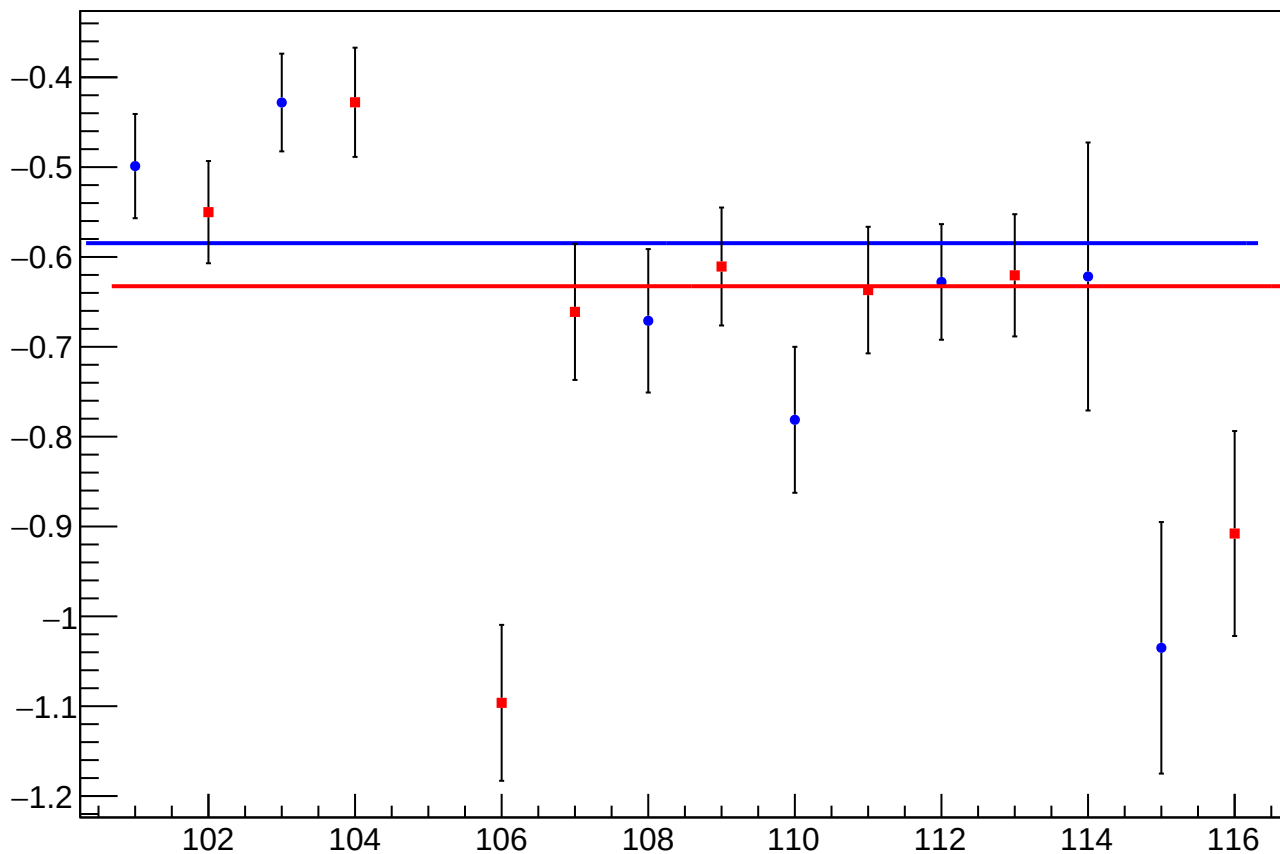
Right: -0.479+/-0.376  $\chi^2/\text{NDF}$ : 69.4/14

In: -0.183+/-0.546  $\chi^2/\text{NDF}$ : 22.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.479+/-0.376  $\chi^2/\text{NDF}$ : 69.4/14

reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.585+/-0.028  $\chi^2/\text{NDF}$ : 28.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.633+/-0.025  $\chi^2/\text{NDF}$ : 48.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

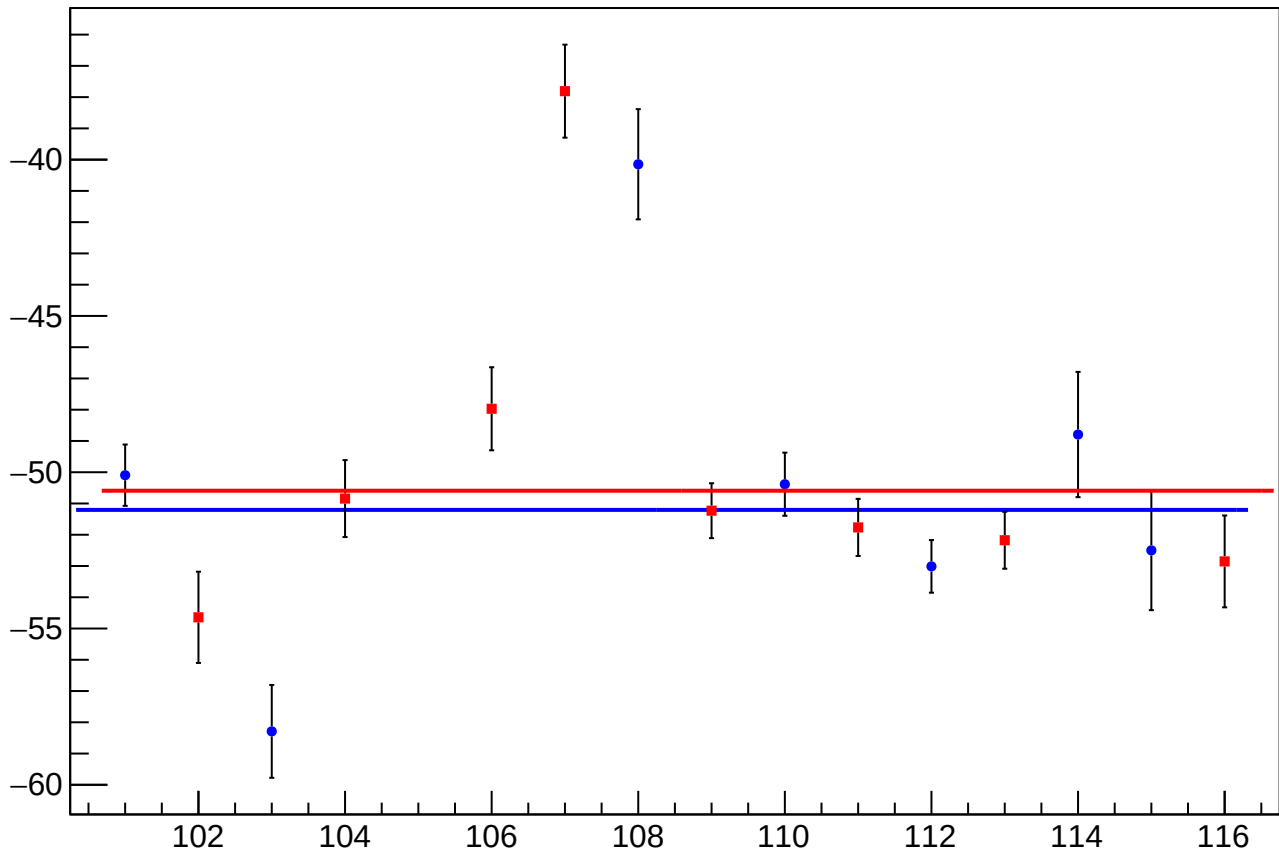
Right: -0.611+/-0.019  $\chi^2/\text{NDF}$ : 78.1/14

In: -0.585+/-0.028  $\chi^2/\text{NDF}$ : 28.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.611+/-0.019  $\chi^2/\text{NDF}$ : 78.1/14

reg\_asym\_sam\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -51.205 $\pm$ 0.460  $\chi^2$ /NDF: 70.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -50.592 $\pm$ 0.398  $\chi^2$ /NDF: 93.0/7

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

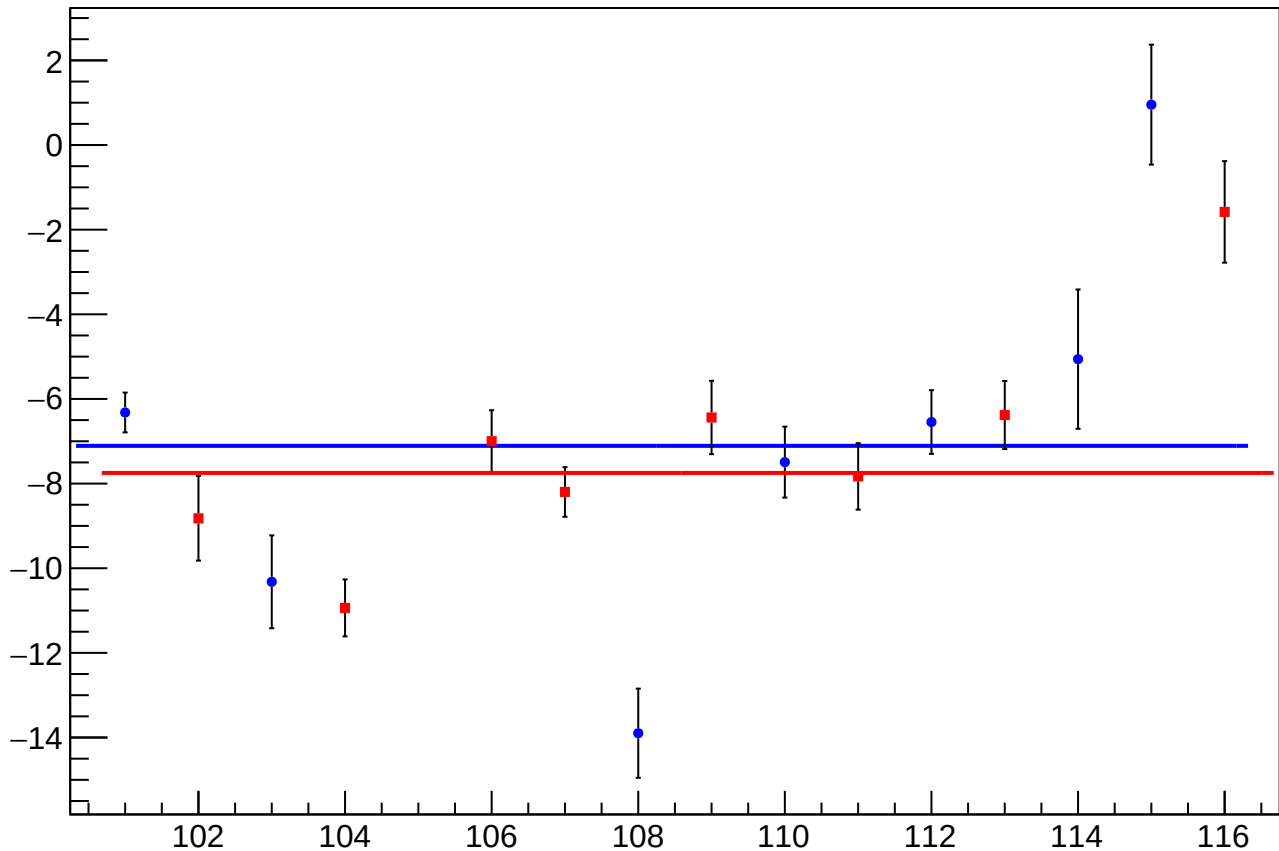
Right: -50.854 $\pm$ 0.301  $\chi^2$ /NDF: 164.6/14

In: -51.205 $\pm$ 0.460  $\chi^2$ /NDF: 70.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -50.854 $\pm$ 0.301  $\chi^2$ /NDF: 164.6/14

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -7.108 $\pm$ 0.311  $\chi^2$ /NDF: 87.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7.748 $\pm$ 0.276  $\chi^2$ /NDF: 56.9/7

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

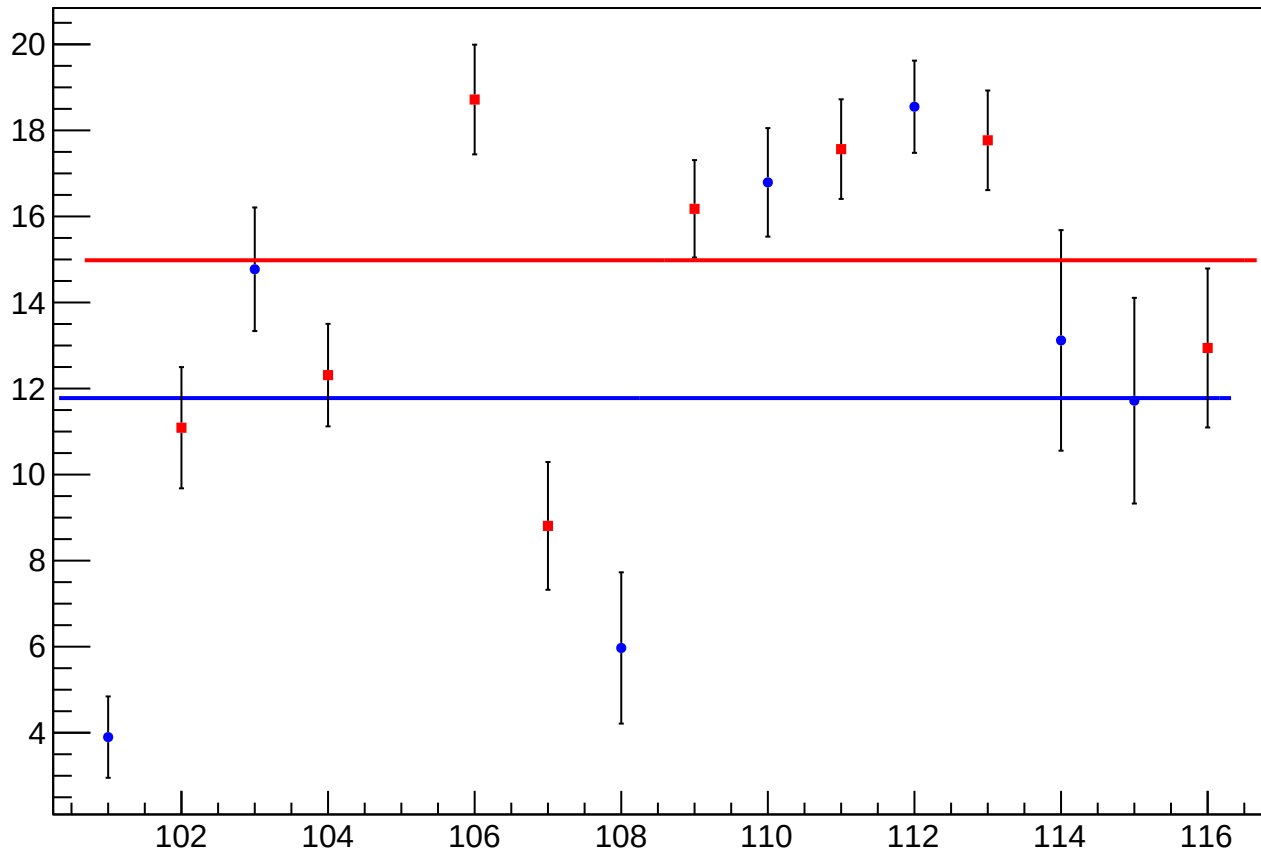
Right: -7.467 $\pm$ 0.206  $\chi^2$ /NDF: 146.8/14

In: -7.108 $\pm$ 0.311  $\chi^2$ /NDF:87.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -7.467 $\pm$ 0.206  $\chi^2$ /NDF: 146.8/14

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 11.778 $\pm$ 0.516  $\chi^2$ /NDF: 140.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 14.981 $\pm$ 0.454  $\chi^2$ /NDF: 51.6/7

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

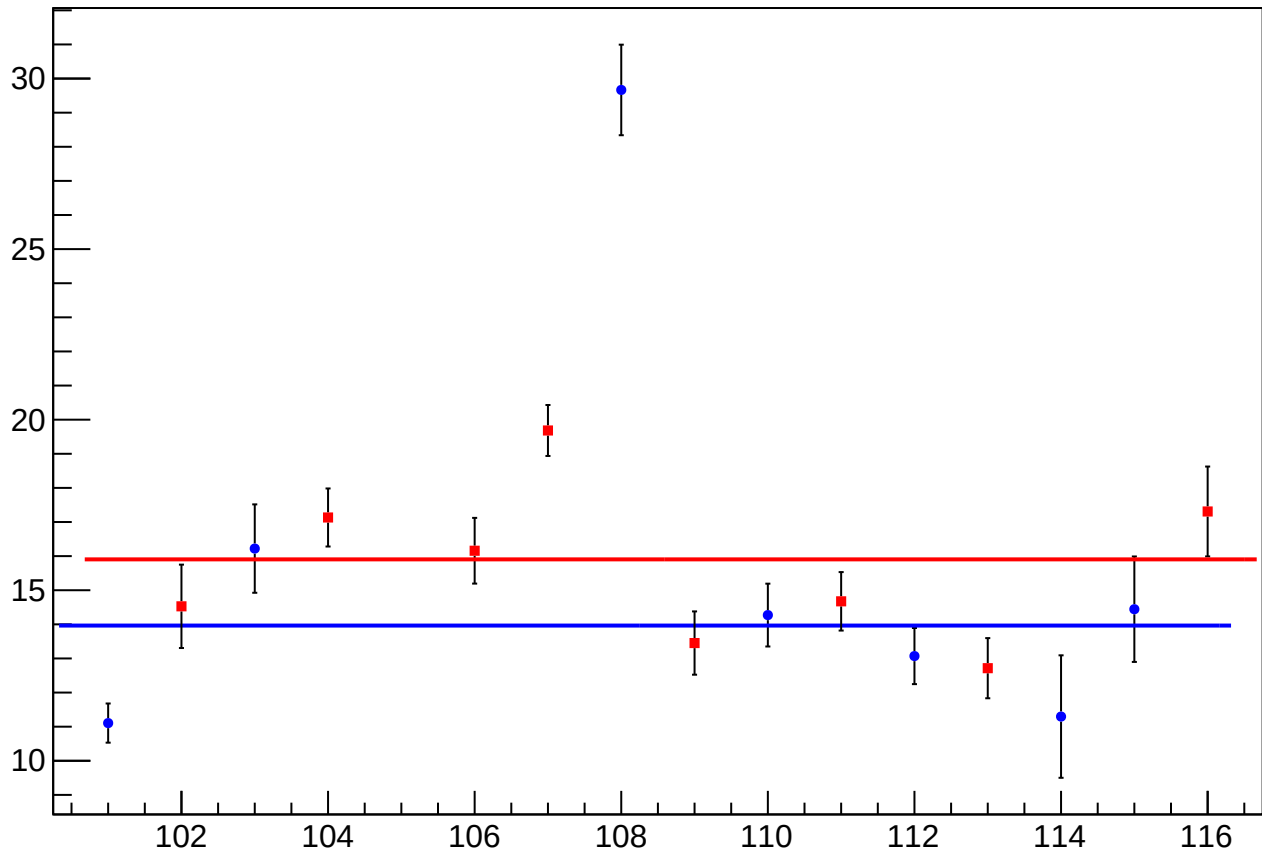
Right: 13.583 $\pm$ 0.341  $\chi^2$ /NDF: 214.1/14

In: 11.778 $\pm$ 0.516  $\chi^2$ /NDF:140.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 13.583 $\pm$ 0.341  $\chi^2$ /NDF: 214.1/14

reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 13.964 $\pm$ 0.363  $\chi^2$ /NDF: 171.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 15.905 $\pm$ 0.328  $\chi^2$ /NDF: 52.3/7

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

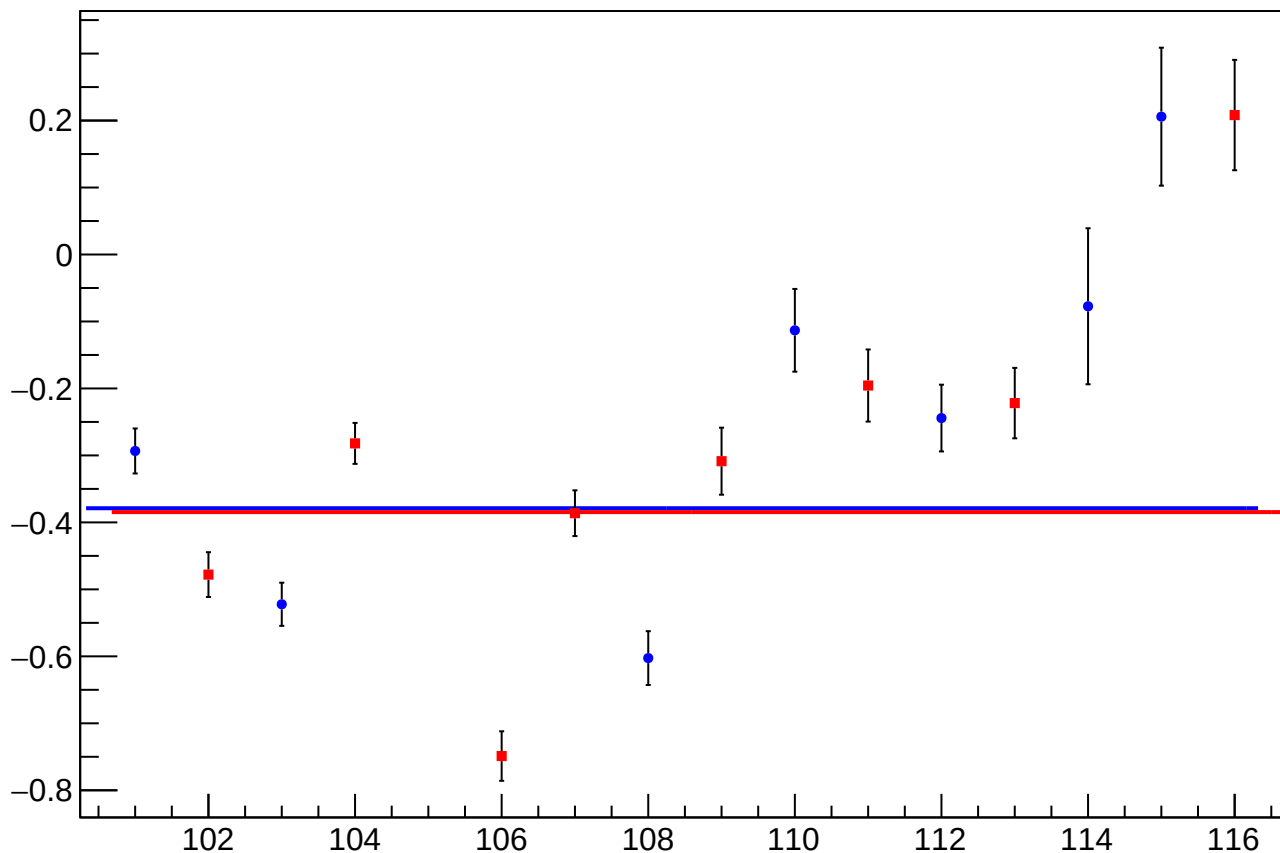
Right: 15.033 $\pm$ 0.243  $\chi^2$ /NDF: 239.4/14

In: 13.964 $\pm$ 0.363  $\chi^2$ /NDF: 171.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 15.033 $\pm$ 0.243  $\chi^2$ /NDF: 239.4/14

reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.379 \pm 0.017$   $\chi^2/\text{NDF}$ : 122.0/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.385 \pm 0.014$   $\chi^2/\text{NDF}$ : 192.1/7

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

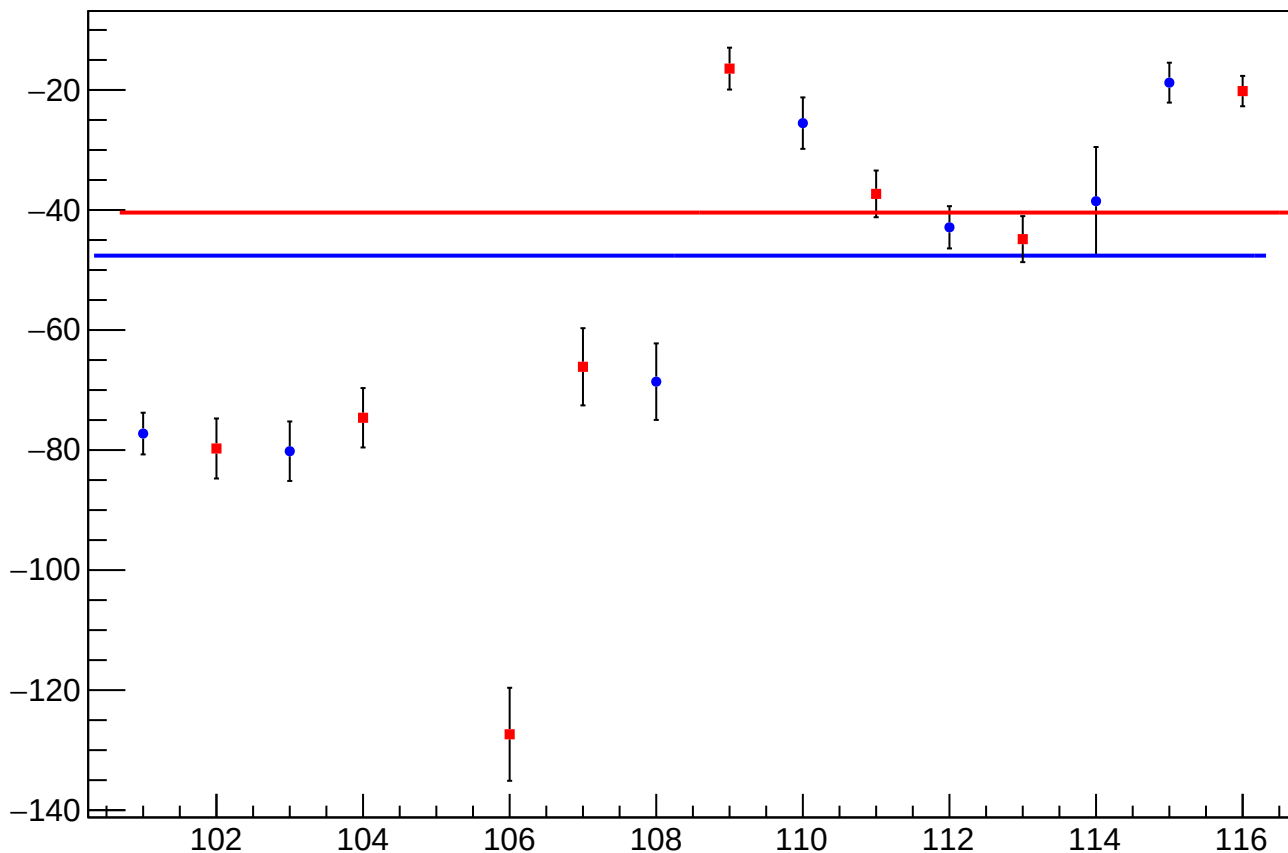
Right:  $-0.382 \pm 0.011$   $\chi^2/\text{NDF}$ : 314.2/14

In:  $-0.379 \pm 0.017$   $\chi^2/\text{NDF}$ : 122.0/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.382 \pm 0.011$   $\chi^2/\text{NDF}$ : 314.2/14

reg\_asym\_sam\_26\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -47.605 $\pm$ 1.610  $\chi^2$ /NDF: 231.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -40.427 $\pm$ 1.423  $\chi^2$ /NDF: 364.6/7

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: -43.574 $\pm$ 1.066  $\chi^2$ /NDF: 607.1/14

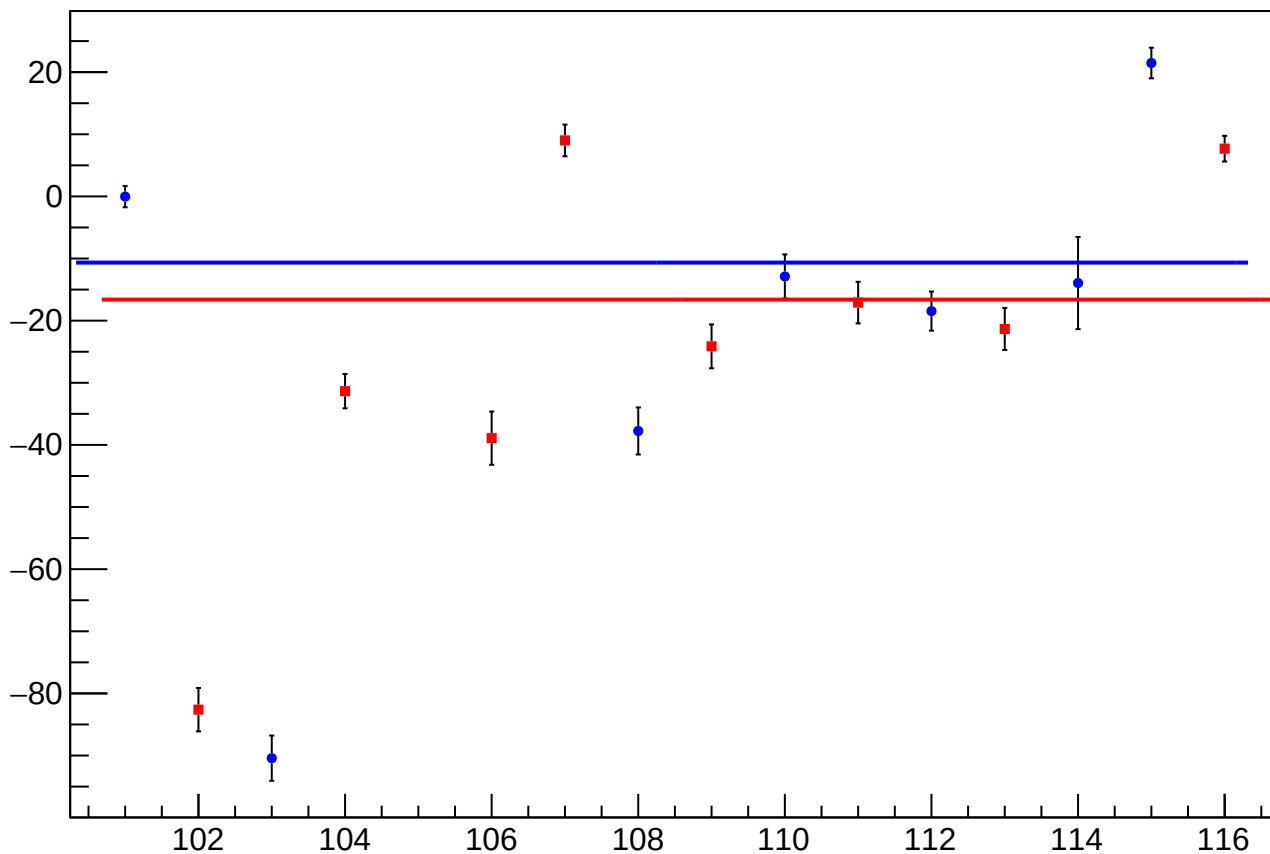
In: -47.605 $\pm$ 1.610  $\chi^2$ /NDF:231.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -43.574 $\pm$ 1.066  $\chi^2$ /NDF: 607.1/14



reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-10.657 \pm 1.084$   $\chi^2/\text{NDF}$ : 745.6/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-16.613 \pm 1.047$   $\chi^2/\text{NDF}$ : 659.1/7

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

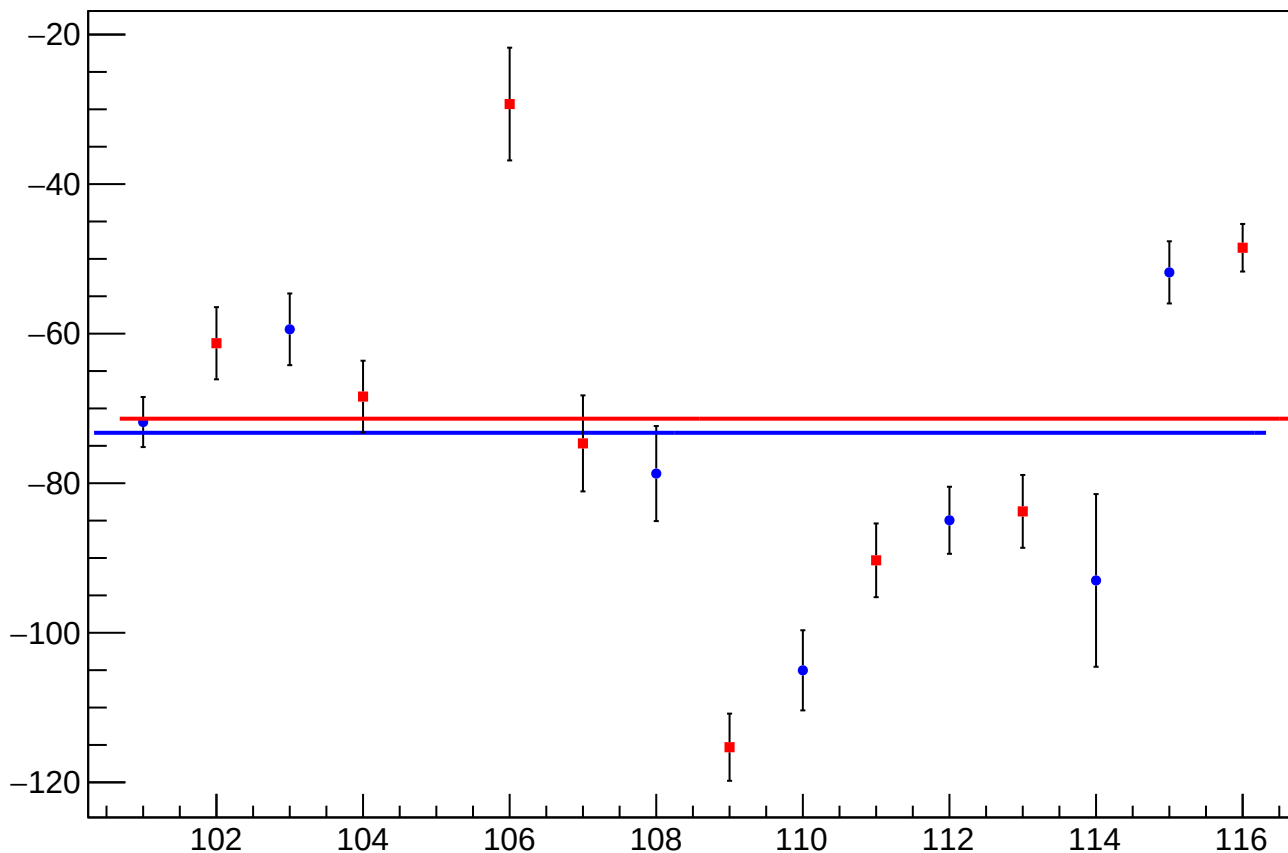
Right:  $-13.738 \pm 0.753$   $\chi^2/\text{NDF}$ : 1420.3/14

In:  $-10.657 \pm 1.084$   $\chi^2/\text{NDF}$ : 745.6/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-13.738 \pm 0.753$   $\chi^2/\text{NDF}$ : 1420.3/14

reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -73.257+/-1.804  $\chi^2/\text{NDF}$ : 80.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -71.371+/-1.667  $\chi^2/\text{NDF}$ : 204.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

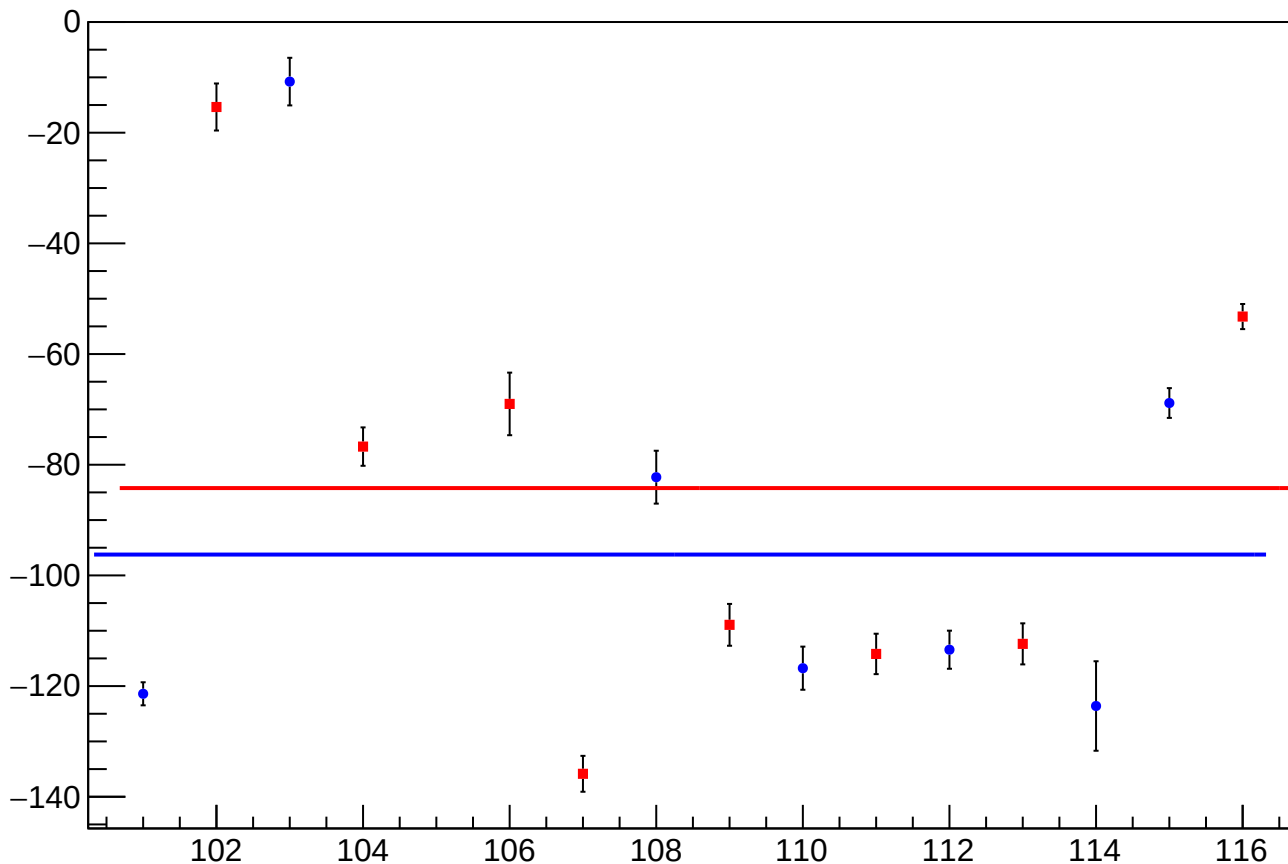
Right: -72.240+/-1.224  $\chi^2/\text{NDF}$ : 286.0/14

In: -73.257+/-1.804  $\chi^2/\text{NDF}$ : 80.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -72.240+/-1.224  $\chi^2/\text{NDF}$ : 286.0/14

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -96.233+/-1.258  $\chi^2/\text{NDF}$ : 716.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -84.219+/-1.216  $\chi^2/\text{NDF}$ : 881.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

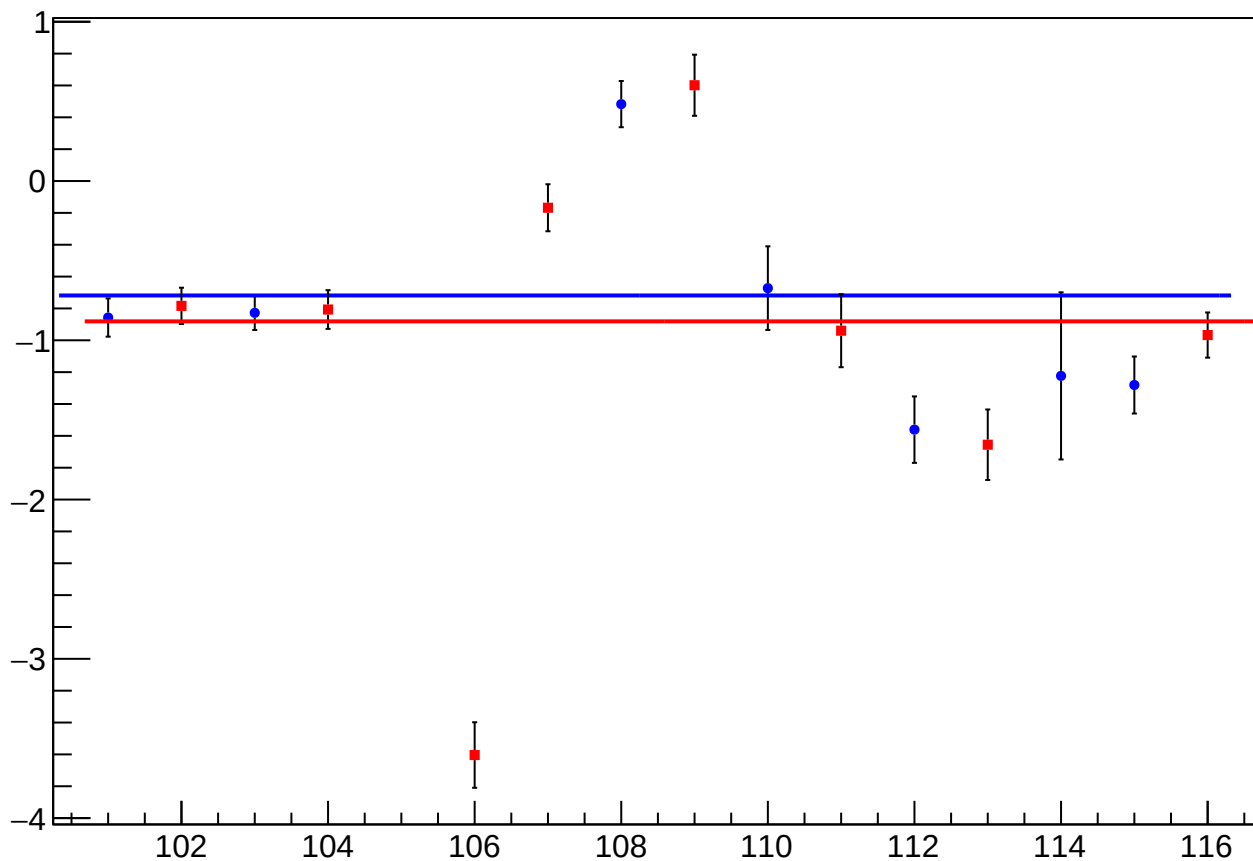
Right: -90.021+/-0.874  $\chi^2/\text{NDF}$ : 1646.0/14

In: -96.233+/-1.258  $\chi^2/\text{NDF}$ : 716.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -90.021+/-0.874  $\chi^2/\text{NDF}$ : 1646.0/14

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.719+/-0.060  $\chi^2/\text{NDF}$ : 98.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.881+/-0.055  $\chi^2/\text{NDF}$ : 272.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

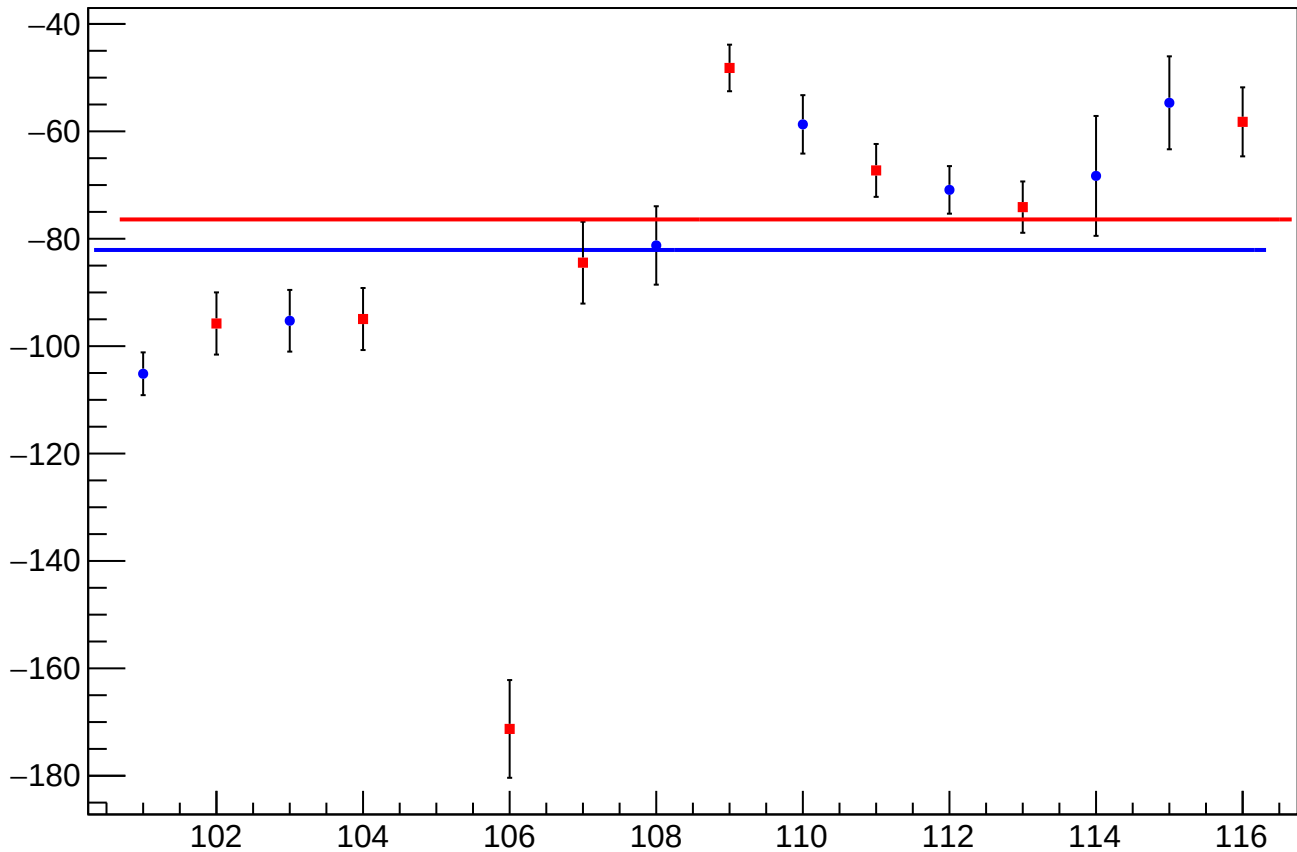
Right: -0.807+/-0.041  $\chi^2/\text{NDF}$ : 374.0/14

In: -0.719+/-0.060  $\chi^2/\text{NDF}$ :98.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.807+/-0.041  $\chi^2/\text{NDF}$ : 374.0/14

reg\_asym\_sam\_26\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-82.090 \pm 2.141$   $\chi^2/\text{NDF}: 75.2/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-76.404 \pm 1.994$   $\chi^2/\text{NDF}: 185.3/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

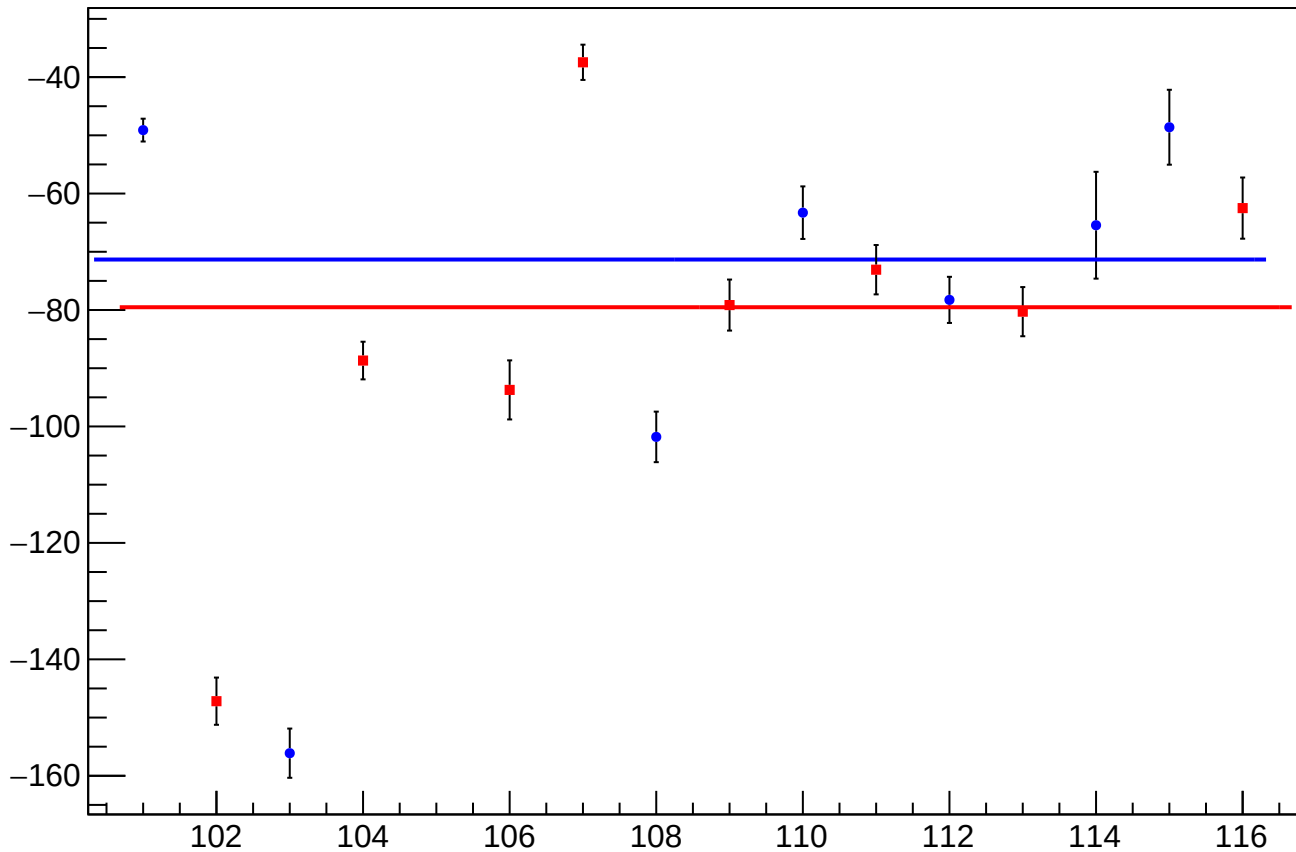
Right:  $-79.045 \pm 1.459$   $\chi^2/\text{NDF}: 264.2/14$

In:  $-82.090 \pm 2.141$   $\chi^2/\text{NDF}: 75.2/6$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-79.045 \pm 1.459$   $\chi^2/\text{NDF}: 264.2/14$

reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-71.331 \pm 1.389$   $\chi^2/\text{NDF}: 599.3/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-79.524 \pm 1.408$   $\chi^2/\text{NDF}: 500.1/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

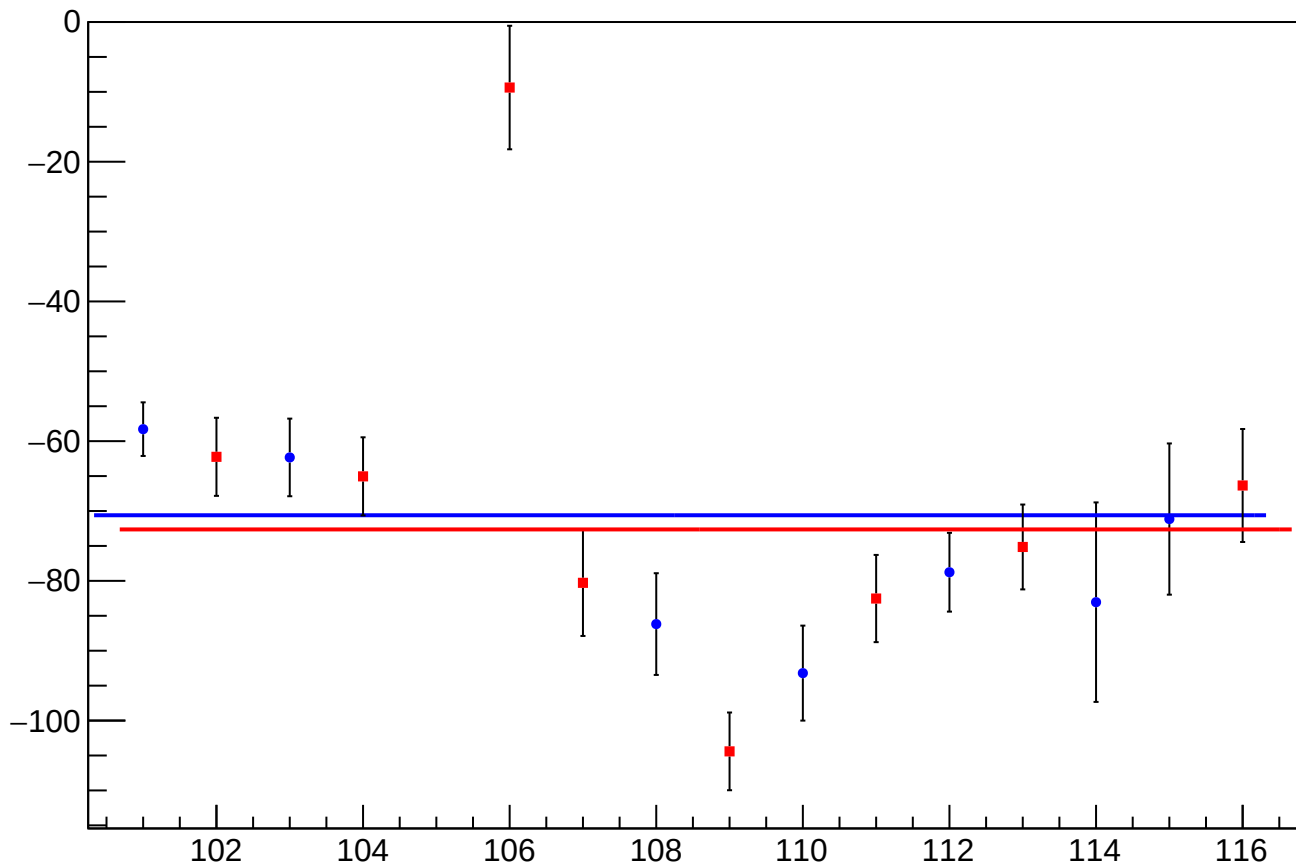
Right:  $-75.372 \pm 0.989$   $\chi^2/\text{NDF}: 1116.6/14$

In:  $-71.331 \pm 1.389$   $\chi^2/\text{NDF}: 599.3/6$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-75.372 \pm 0.989$   $\chi^2/\text{NDF}: 1116.6/14$

reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -70.607 $\pm$ 2.321  $\chi^2$ /NDF: 31.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -72.637 $\pm$ 2.268  $\chi^2$ /NDF: 93.4/7

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

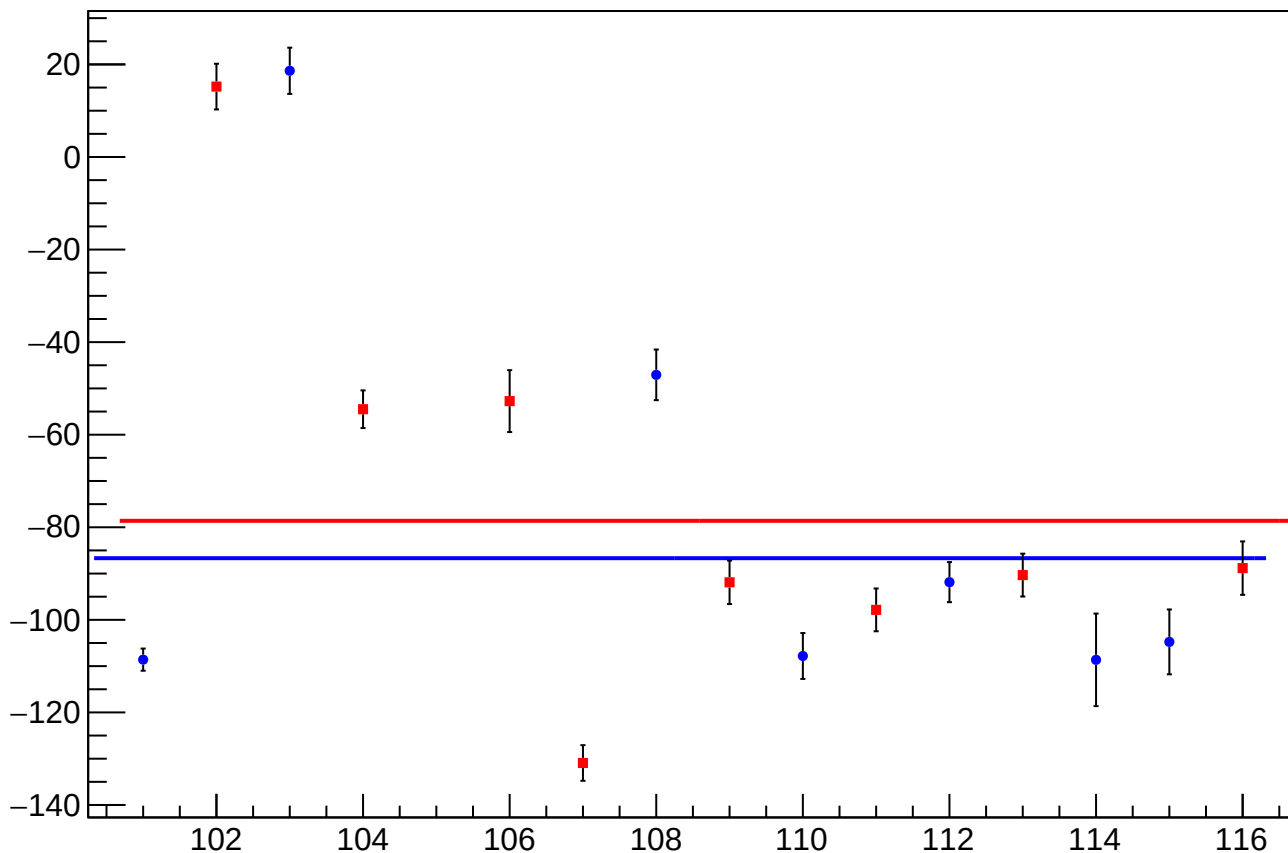
Right: -71.645 $\pm$ 1.622  $\chi^2$ /NDF: 124.8/14

In: -70.607 $\pm$ 2.321  $\chi^2$ /NDF:31.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -71.645 $\pm$ 1.622  $\chi^2$ /NDF: 124.8/14

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -86.681 $\pm$ 1.638  $\chi^2$ /NDF: 612.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -78.602 $\pm$ 1.666  $\chi^2$ /NDF: 630.8/7

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: -82.710 $\pm$ 1.168  $\chi^2$ /NDF: 1255.1/14

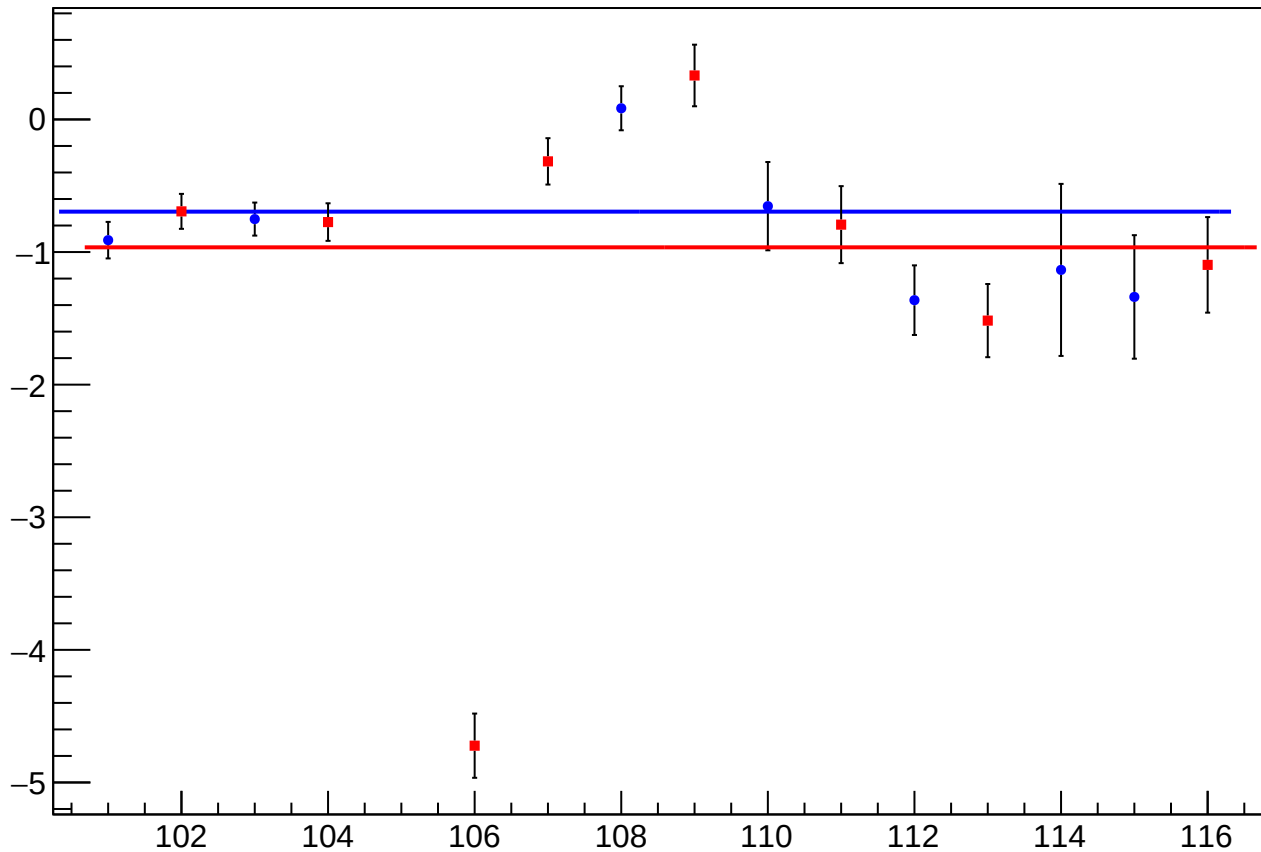
In: -86.681 $\pm$ 1.638  $\chi^2$ /NDF:612.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -82.710 $\pm$ 1.168  $\chi^2$ /NDF: 1255.1/14



reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.695 \pm 0.074$   $\chi^2/\text{NDF}$ : 33.5/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.964 \pm 0.069$   $\chi^2/\text{NDF}$ : 296.2/7

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

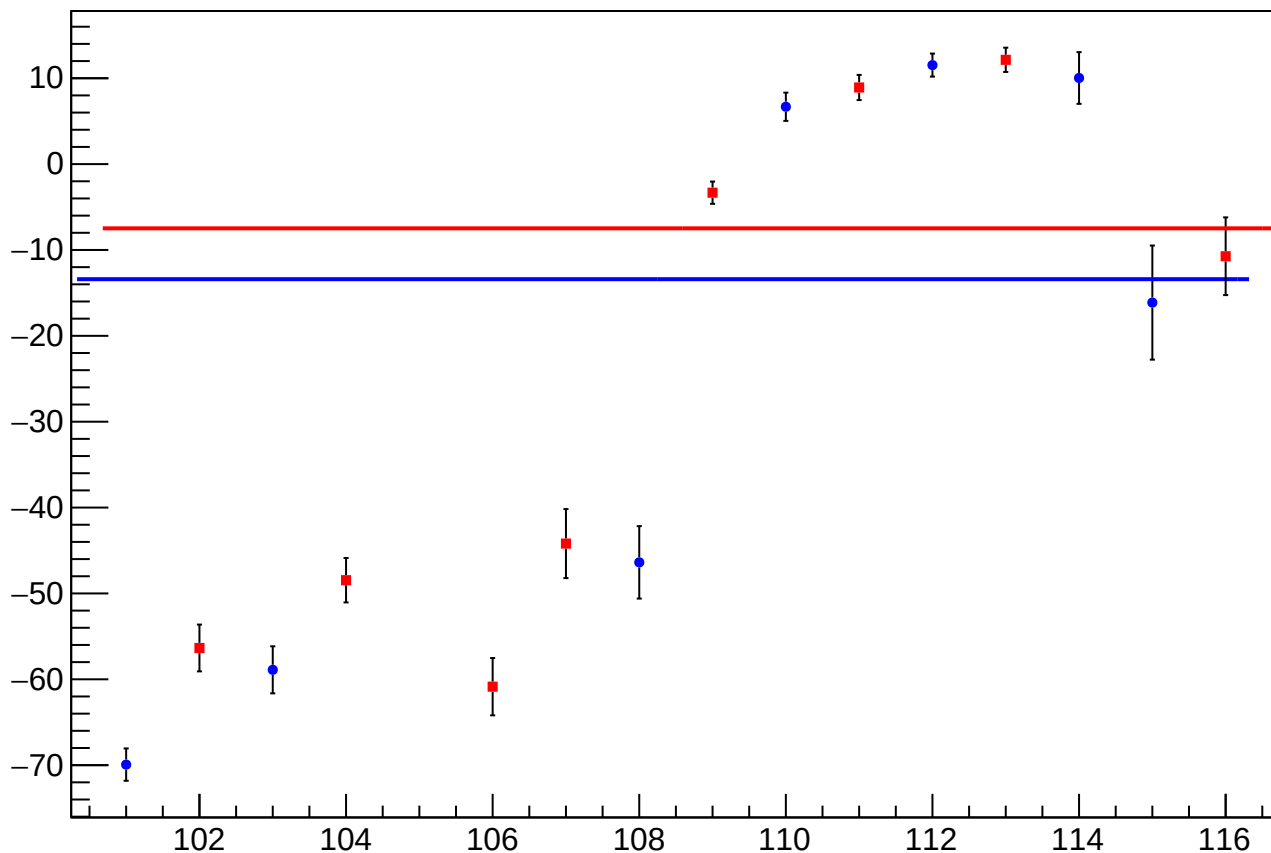
Right:  $-0.838 \pm 0.050$   $\chi^2/\text{NDF}$ : 336.8/14

In:  $-0.695 \pm 0.074$   $\chi^2/\text{NDF}$ : 33.5/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.838 \pm 0.050$   $\chi^2/\text{NDF}$ : 336.8/14

reg\_asym\_sam\_48\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -13.403 $\pm$ 0.808  $\chi^2$ /NDF: 1791.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7.481 $\pm$ 0.699  $\chi^2$ /NDF: 1240.4/7

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

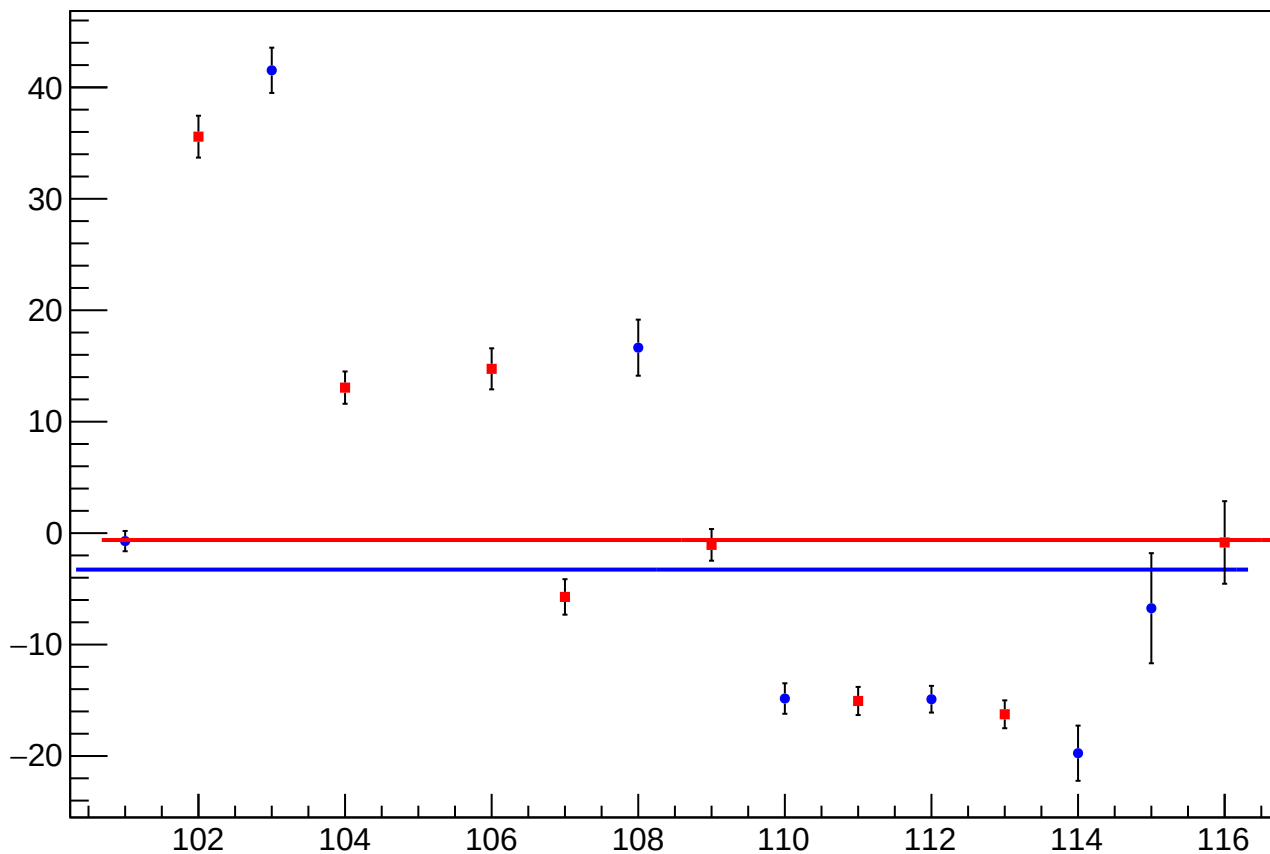
Right: -10.014 $\pm$ 0.529  $\chi^2$ /NDF: 3062.7/14

In: -13.403 $\pm$ 0.808  $\chi^2$ /NDF:1791.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -10.014 $\pm$ 0.529  $\chi^2$ /NDF: 3062.7/14

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-3.271 \pm 0.573$   $\chi^2/\text{NDF}$ : 767.0/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.618 \pm 0.552$   $\chi^2/\text{NDF}$ : 827.0/7

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

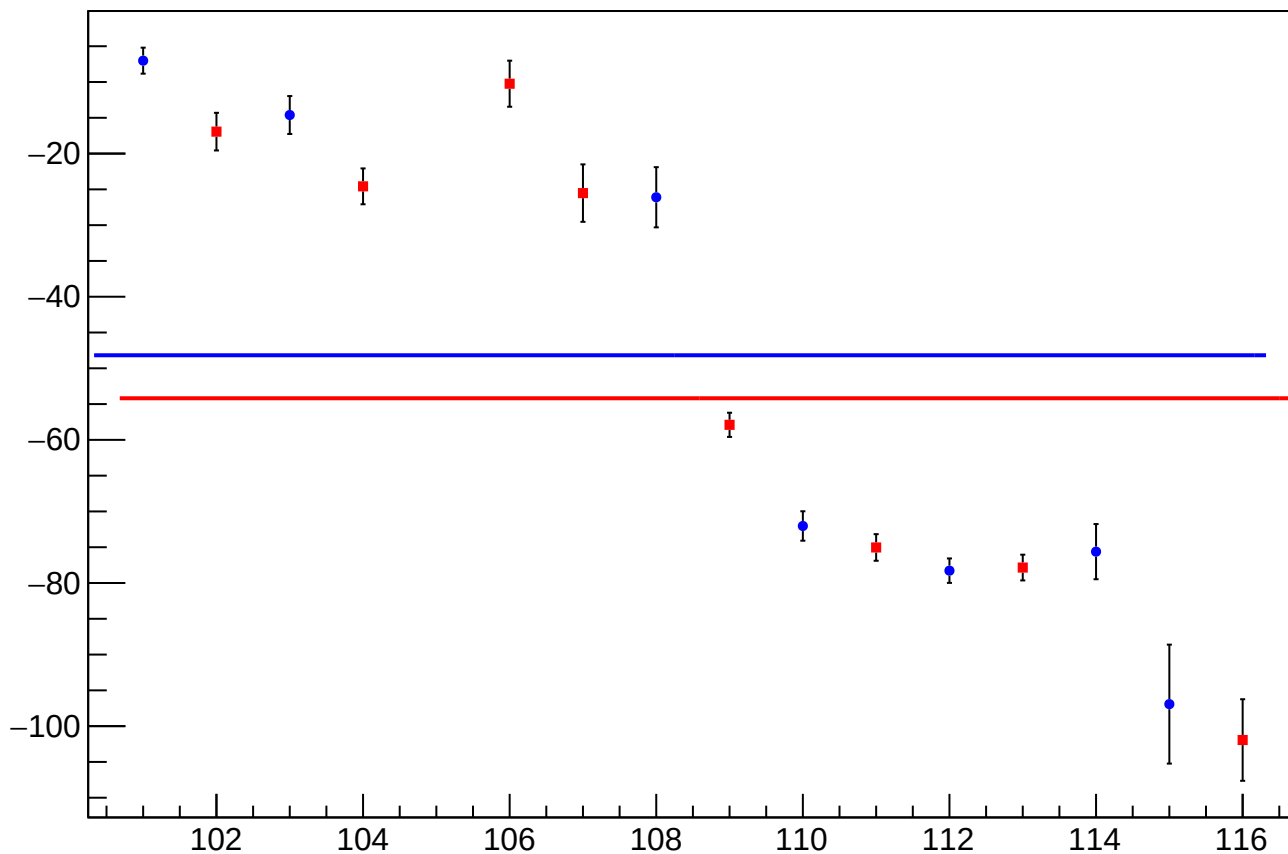
Right:  $-1.894 \pm 0.398$   $\chi^2/\text{NDF}$ : 1605.1/14

In:  $-3.271 \pm 0.573$   $\chi^2/\text{NDF}$ : 767.0/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.894 \pm 0.398$   $\chi^2/\text{NDF}$ : 1605.1/14

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -48.179+/-0.927  $\chi^2/\text{NDF}$ : 1231.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -54.188+/-0.833  $\chi^2/\text{NDF}$ : 951.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

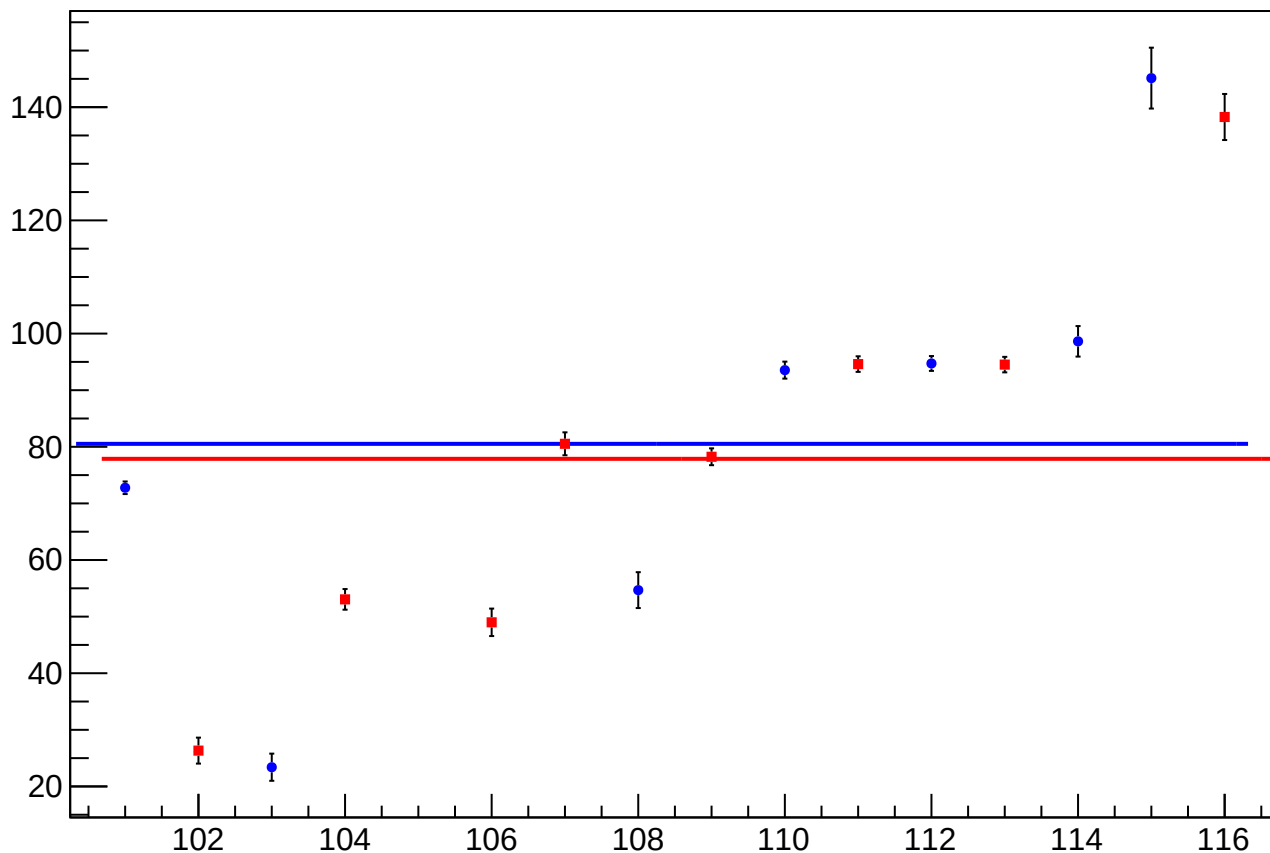
Right: -51.505+/-0.620  $\chi^2/\text{NDF}$ : 2206.3/14

In: -48.179+/-0.927  $\chi^2/\text{NDF}$ : 1231.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -51.505+/-0.620  $\chi^2/\text{NDF}$ : 2206.3/14

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 80.522+/-0.662  $\chi^2/\text{NDF}$ : 1063.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 77.876+/-0.635  $\chi^2/\text{NDF}$ : 1349.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

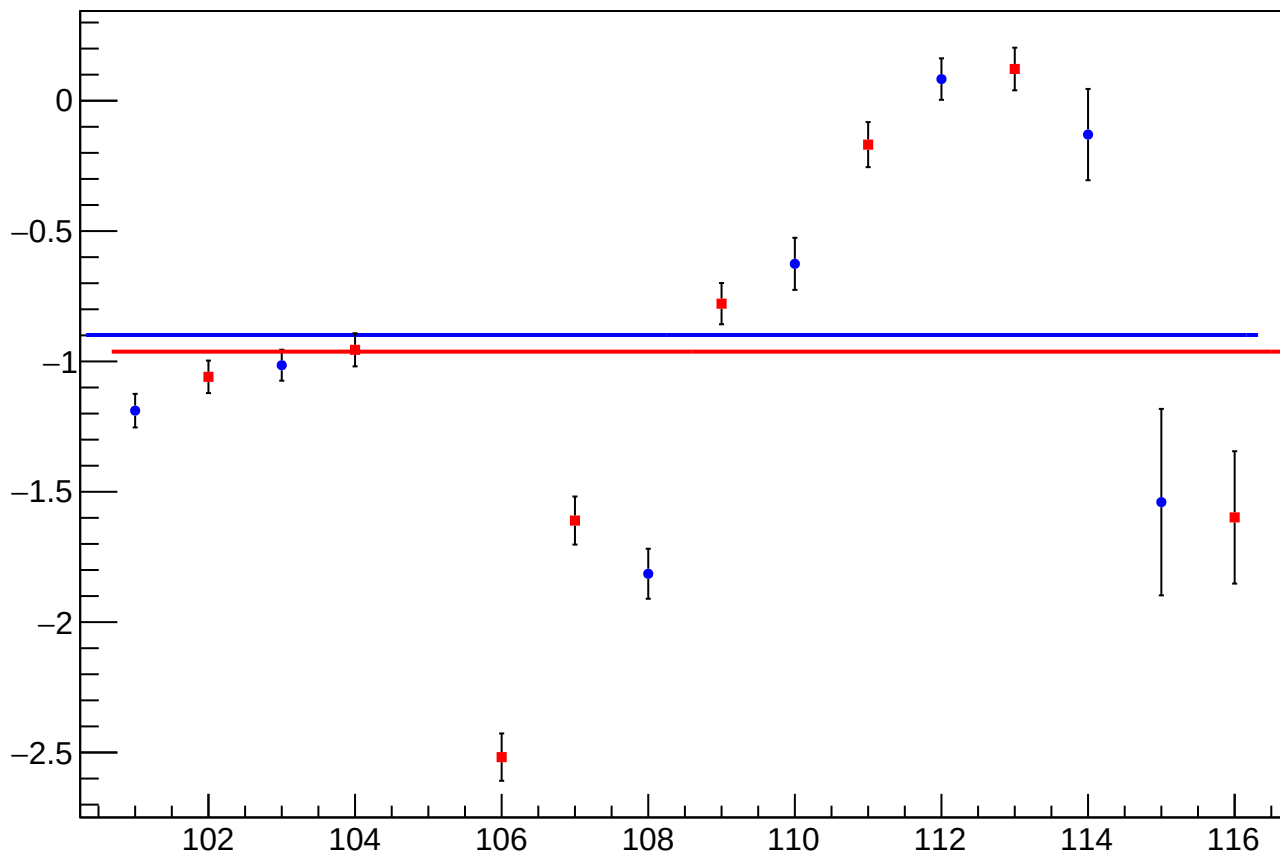
Right: 79.144+/-0.458  $\chi^2/\text{NDF}$ : 2421.4/14

In: 80.522+/-0.662  $\chi^2/\text{NDF}$ : 1063.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 79.144+/-0.458  $\chi^2/\text{NDF}$ : 2421.4/14

reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.899 \pm 0.033$   $\chi^2/\text{NDF}$ : 297.5/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.962 \pm 0.029$   $\chi^2/\text{NDF}$ : 617.0/7

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

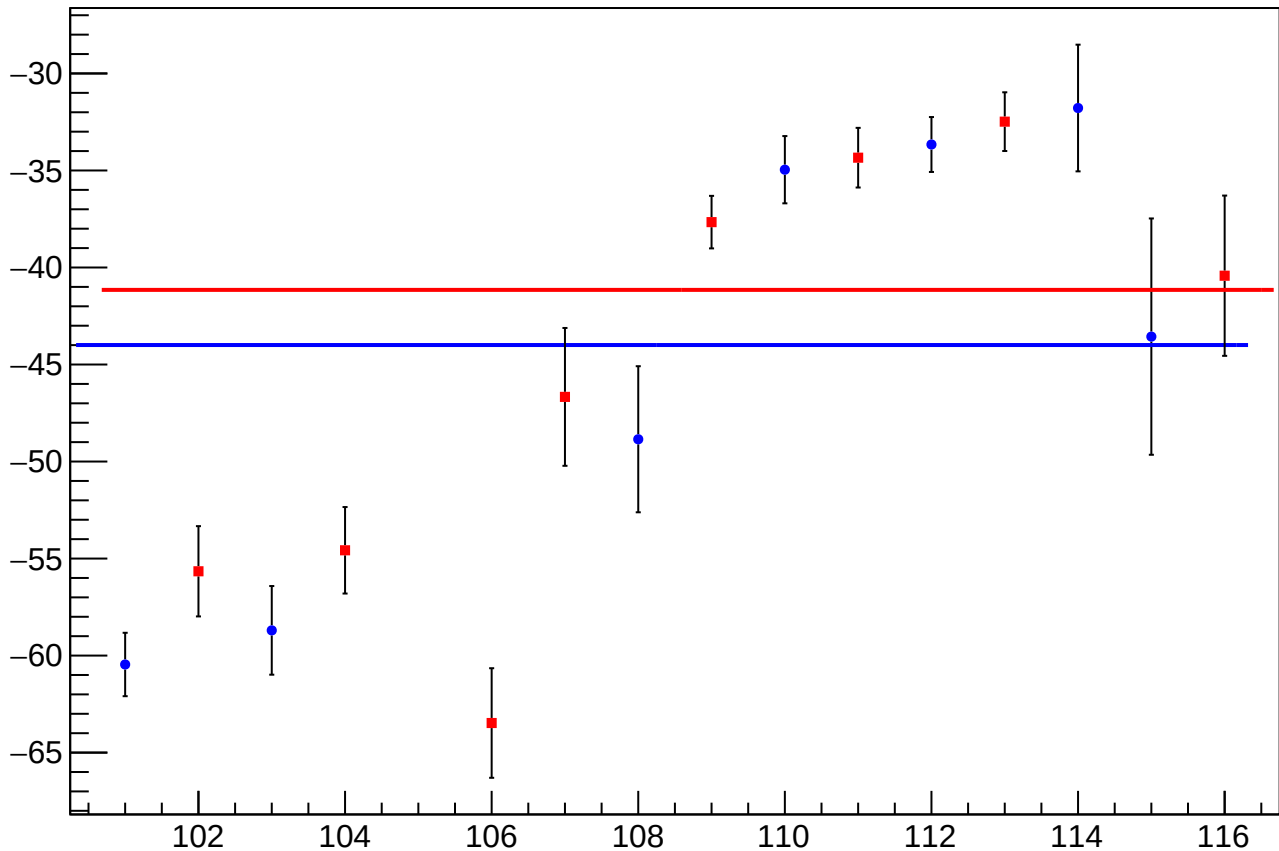
Right:  $-0.935 \pm 0.022$   $\chi^2/\text{NDF}$ : 916.6/14

In:  $-0.899 \pm 0.033$   $\chi^2/\text{NDF}$ : 297.5/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.935 \pm 0.022$   $\chi^2/\text{NDF}$ : 916.6/14

reg\_asym\_sam\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-43.995 \pm 0.793$   $\chi^2/\text{NDF}$ : 239.2/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-41.154 \pm 0.698$   $\chi^2/\text{NDF}$ : 199.2/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

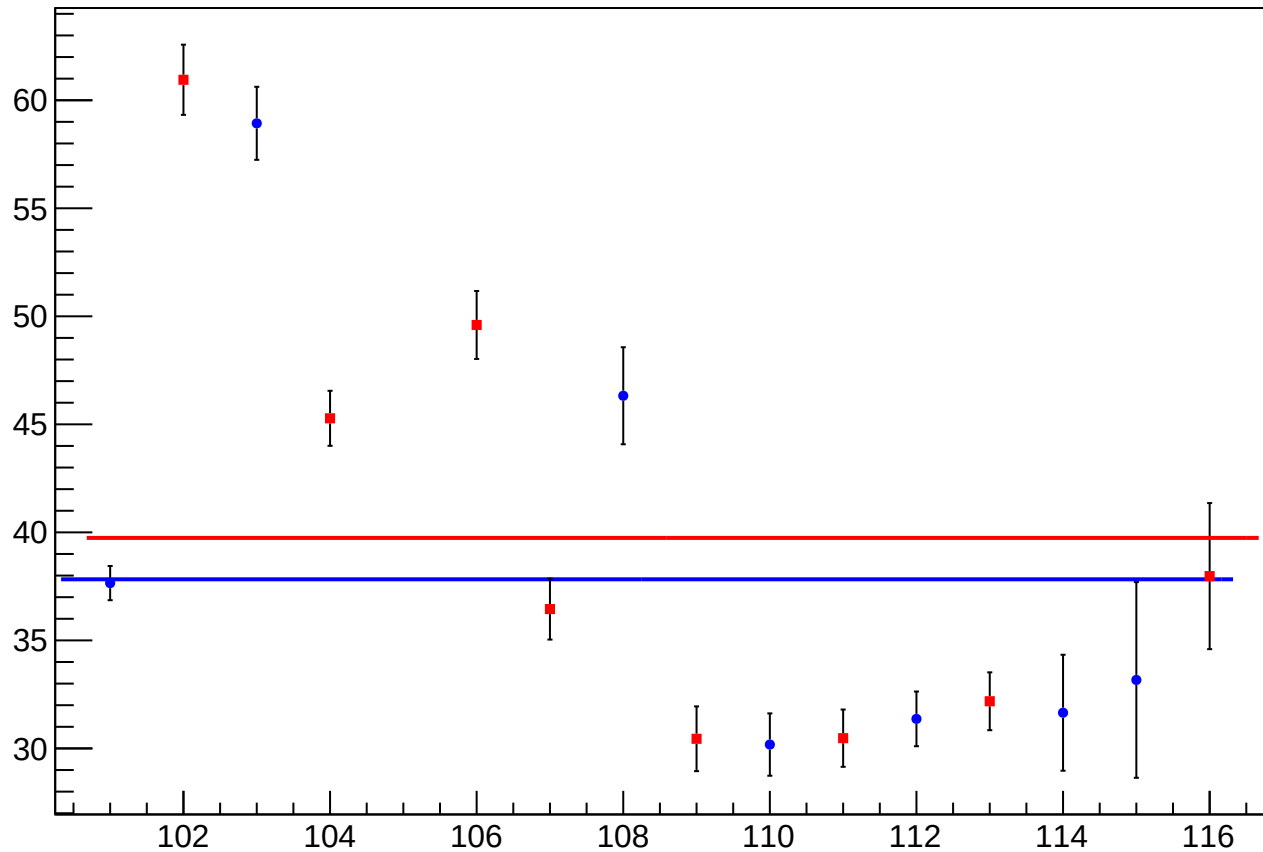
Right:  $-42.393 \pm 0.524$   $\chi^2/\text{NDF}$ : 445.6/14

In:  $-43.995 \pm 0.793$   $\chi^2/\text{NDF}$ : 239.2/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-42.393 \pm 0.524$   $\chi^2/\text{NDF}$ : 445.6/14

reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 37.827+/-0.539  $\chi^2/\text{NDF}$ : 230.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 39.744+/-0.530  $\chi^2/\text{NDF}$ : 353.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 38.802+/-0.378  $\chi^2/\text{NDF}$ : 590.7/14

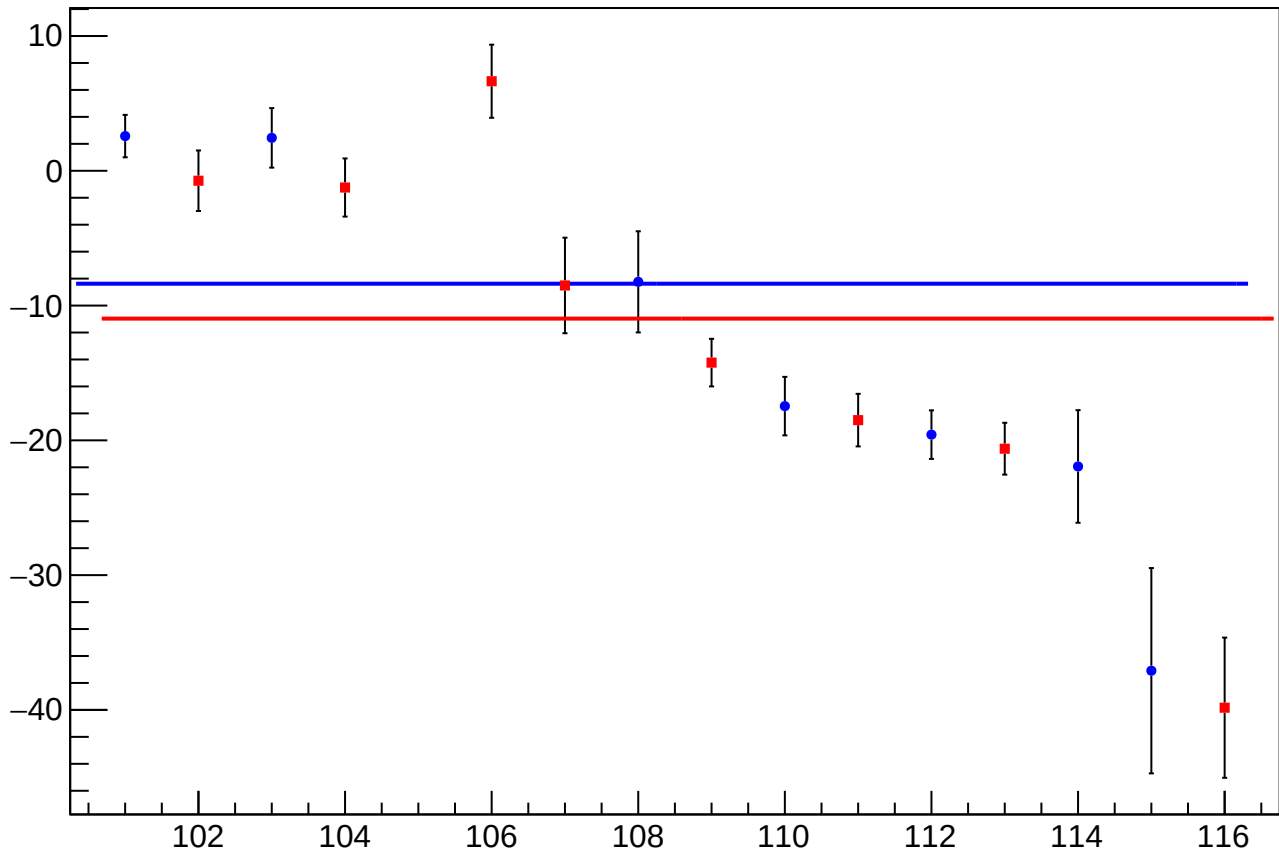
In: 37.827+/-0.539  $\chi^2/\text{NDF}$ : 230.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 38.802+/-0.378  $\chi^2/\text{NDF}$ : 590.7/14



reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -8.378+/-0.886  $\chi^2/\text{NDF}$ : 153.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.967+/-0.811  $\chi^2/\text{NDF}$ : 158.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

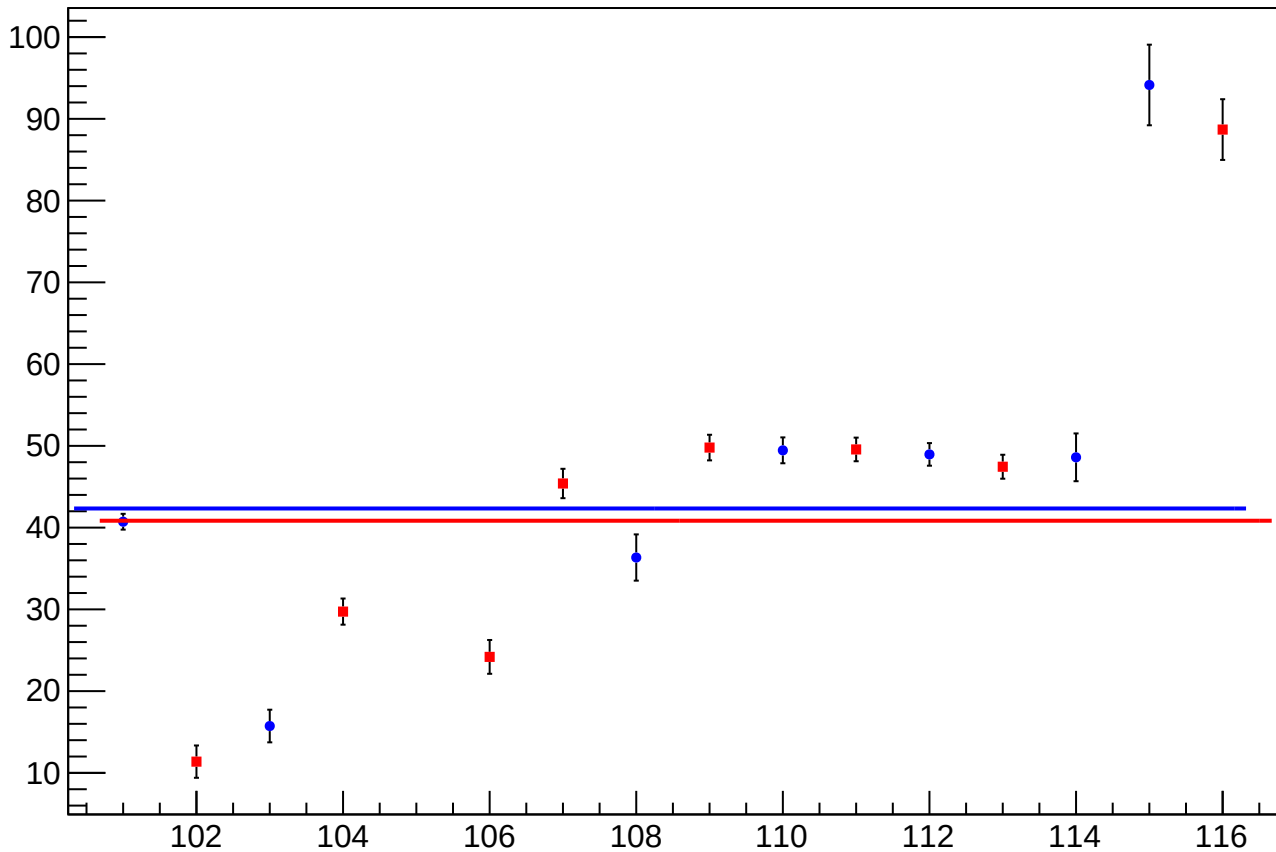
Right: -9.786+/-0.598  $\chi^2/\text{NDF}$ : 316.0/14

In: -8.378+/-0.886  $\chi^2/\text{NDF}$ : 153.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -9.786+/-0.598  $\chi^2/\text{NDF}$ : 316.0/14

reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 42.341+/-0.629  $\chi^2/\text{NDF}$ : 343.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.842+/-0.618  $\chi^2/\text{NDF}$ : 597.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

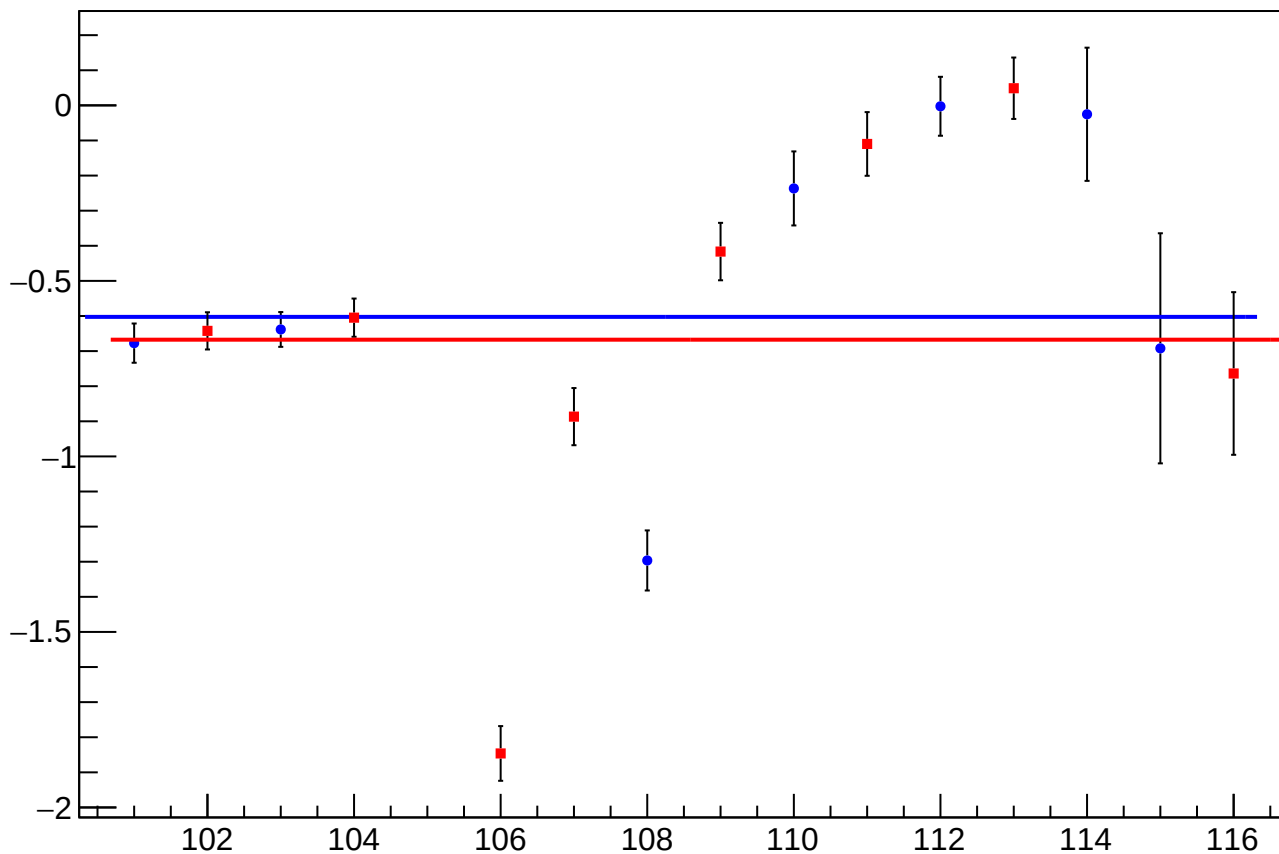
Right: 41.579+/-0.441  $\chi^2/\text{NDF}$ : 943.1/14

In: 42.341+/-0.629  $\chi^2/\text{NDF}$ : 343.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 41.579+/-0.441  $\chi^2/\text{NDF}$ : 943.1/14

reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.603 \pm 0.030$   $\chi^2/\text{NDF}: 140.5/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.667 \pm 0.026$   $\chi^2/\text{NDF}: 352.1/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

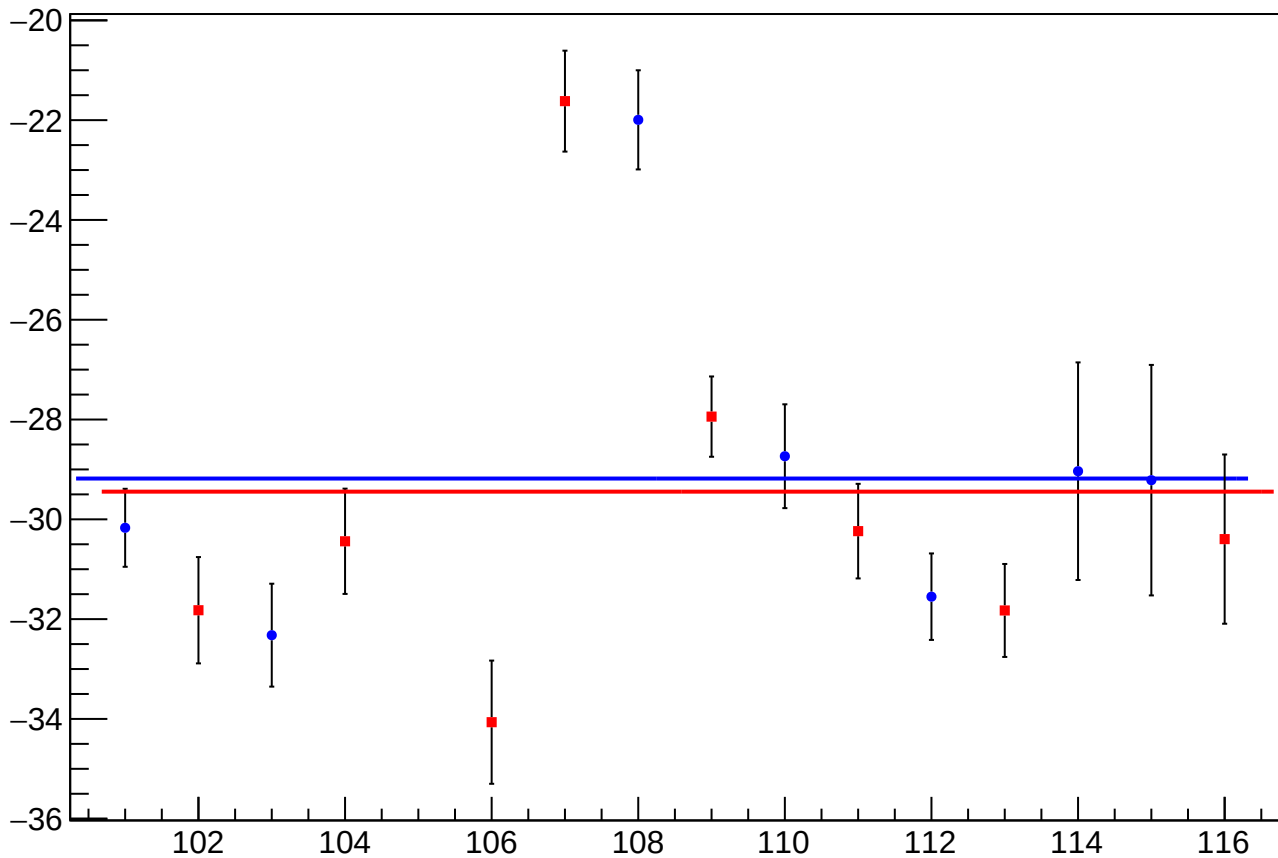
Right:  $-0.639 \pm 0.020$   $\chi^2/\text{NDF}: 495.2/14$

In:  $-0.603 \pm 0.030$   $\chi^2/\text{NDF}: 140.5/6$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.639 \pm 0.020$   $\chi^2/\text{NDF}: 495.2/14$

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -29.183 $\pm$ 0.400  $\chi^2$ /NDF: 70.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -29.445 $\pm$ 0.363  $\chi^2$ /NDF: 90.8/7

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

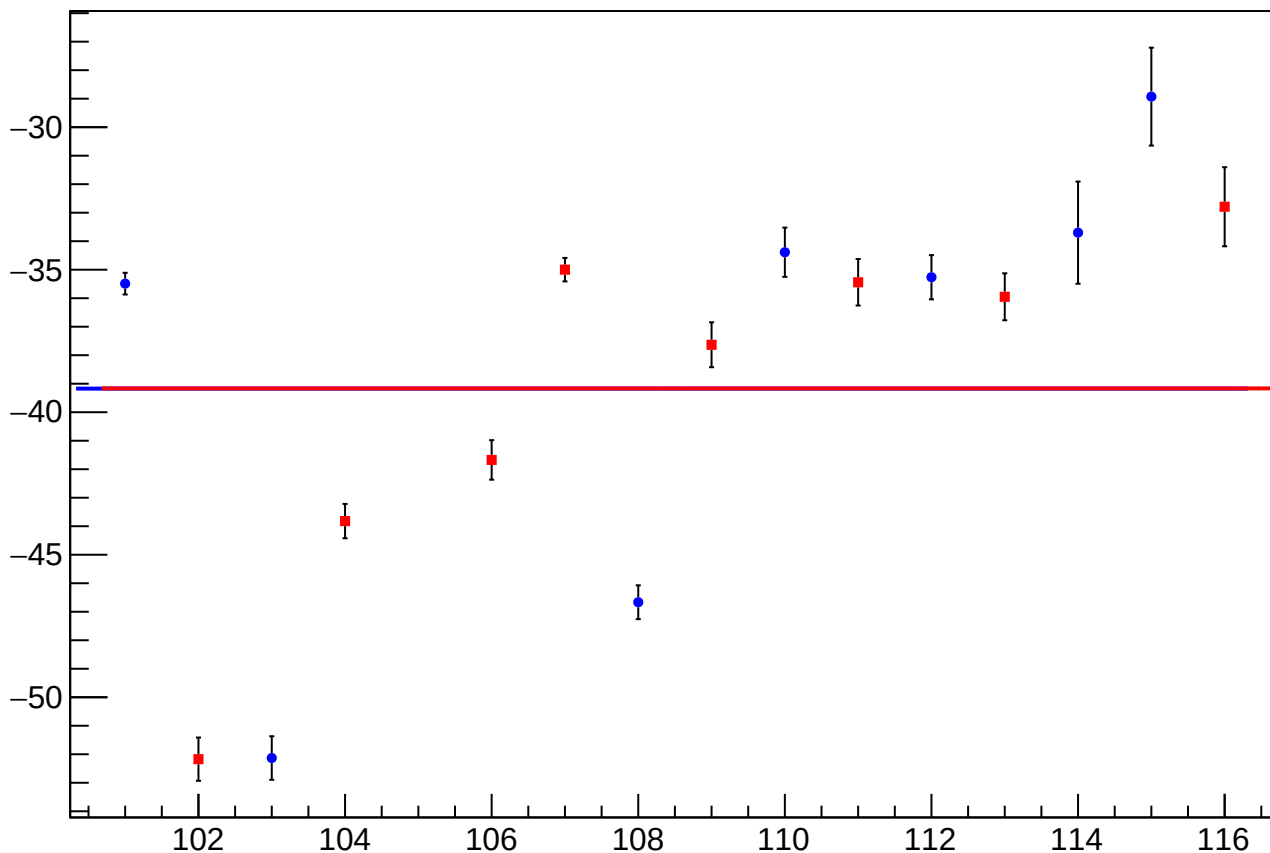
Right: -29.326 $\pm$ 0.269  $\chi^2$ /NDF: 161.9/14

In: -29.183 $\pm$ 0.400  $\chi^2$ /NDF:70.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -29.326 $\pm$ 0.269  $\chi^2$ /NDF: 161.9/14

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-39.172 \pm 0.257$   $\chi^2/\text{NDF}$ : 642.2/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.164 \pm 0.239$   $\chi^2/\text{NDF}$ : 530.0/7

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

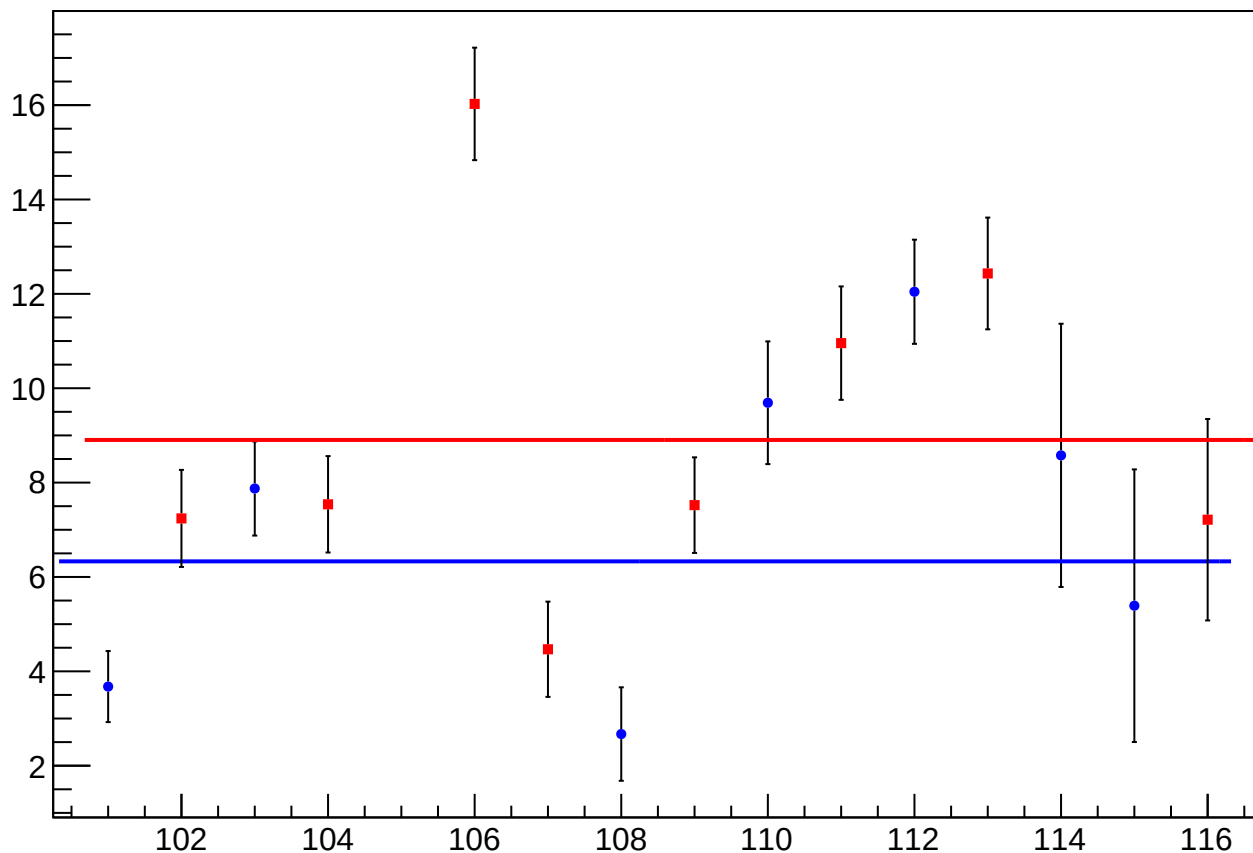
Right:  $-39.168 \pm 0.175$   $\chi^2/\text{NDF}$ : 1172.2/14

In:  $-39.172 \pm 0.257$   $\chi^2/\text{NDF}$ : 642.2/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-39.168 \pm 0.175$   $\chi^2/\text{NDF}$ : 1172.2/14

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.331+/-0.428  $\chi^2/\text{NDF}$ : 62.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.904+/-0.402  $\chi^2/\text{NDF}$ : 73.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

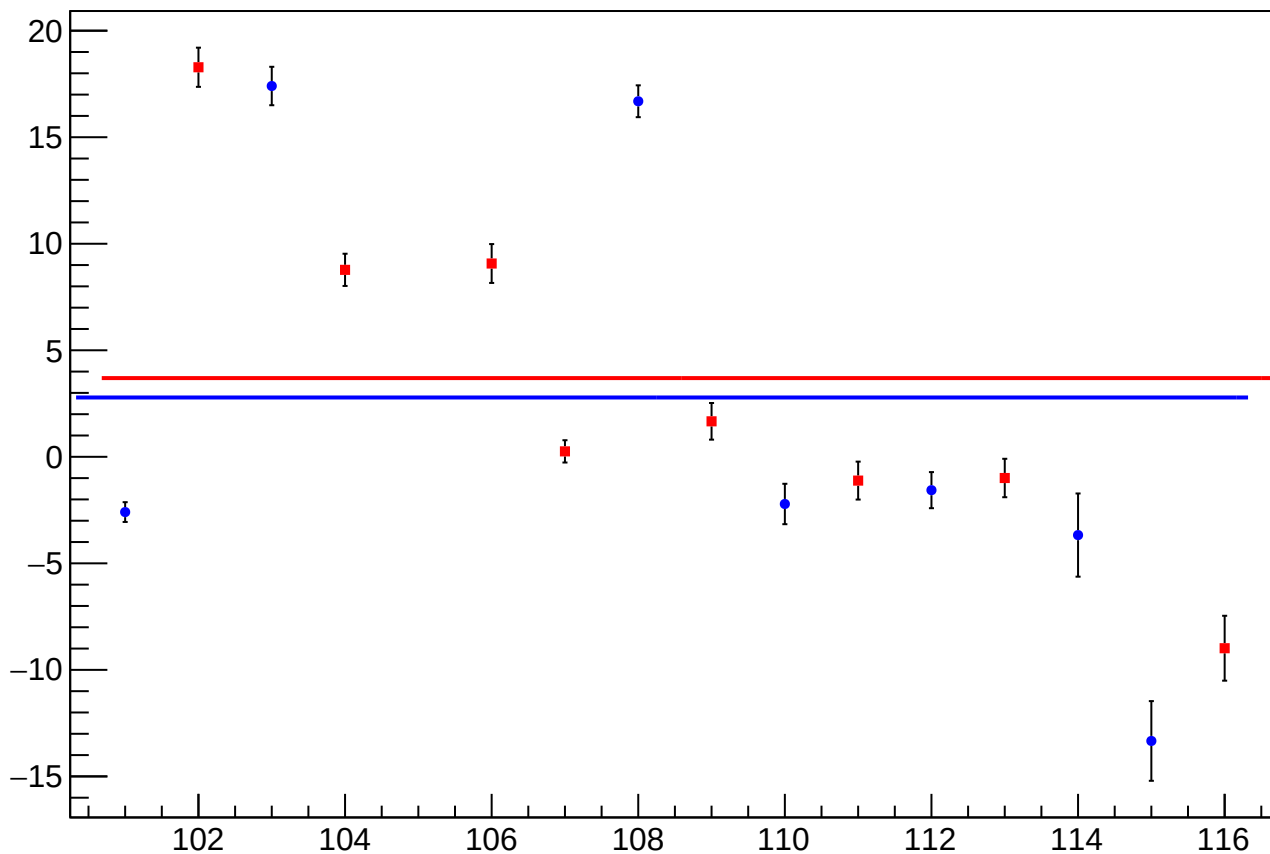
Right: 7.699+/-0.293  $\chi^2/\text{NDF}$ : 155.6/14

In: 6.331+/-0.428  $\chi^2/\text{NDF}$ : 62.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.699+/-0.293  $\chi^2/\text{NDF}$ : 155.6/14

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 2.784+/-0.306  $\chi^2/\text{NDF}$ : 882.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.694+/-0.288  $\chi^2/\text{NDF}$ : 505.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

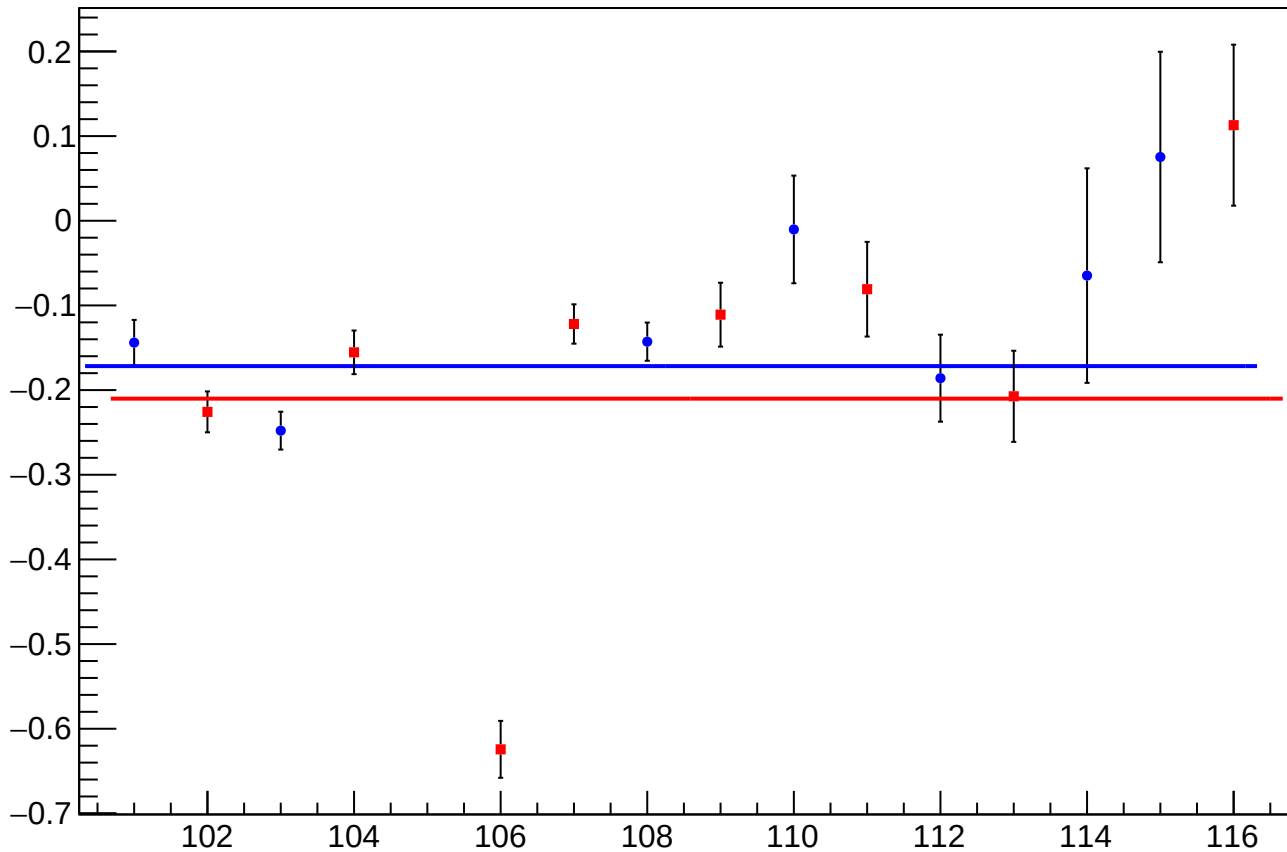
Right: 3.266+/-0.210  $\chi^2/\text{NDF}$ : 1392.8/14

In: 2.784+/-0.306  $\chi^2/\text{NDF}$ : 882.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.266+/-0.210  $\chi^2/\text{NDF}$ : 1392.8/14

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.172 \pm 0.013$   $\chi^2/\text{NDF}$ : 25.5/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.210 \pm 0.012$   $\chi^2/\text{NDF}$ : 195.0/7

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:  $-0.193 \pm 0.009$   $\chi^2/\text{NDF}$ : 225.5/14

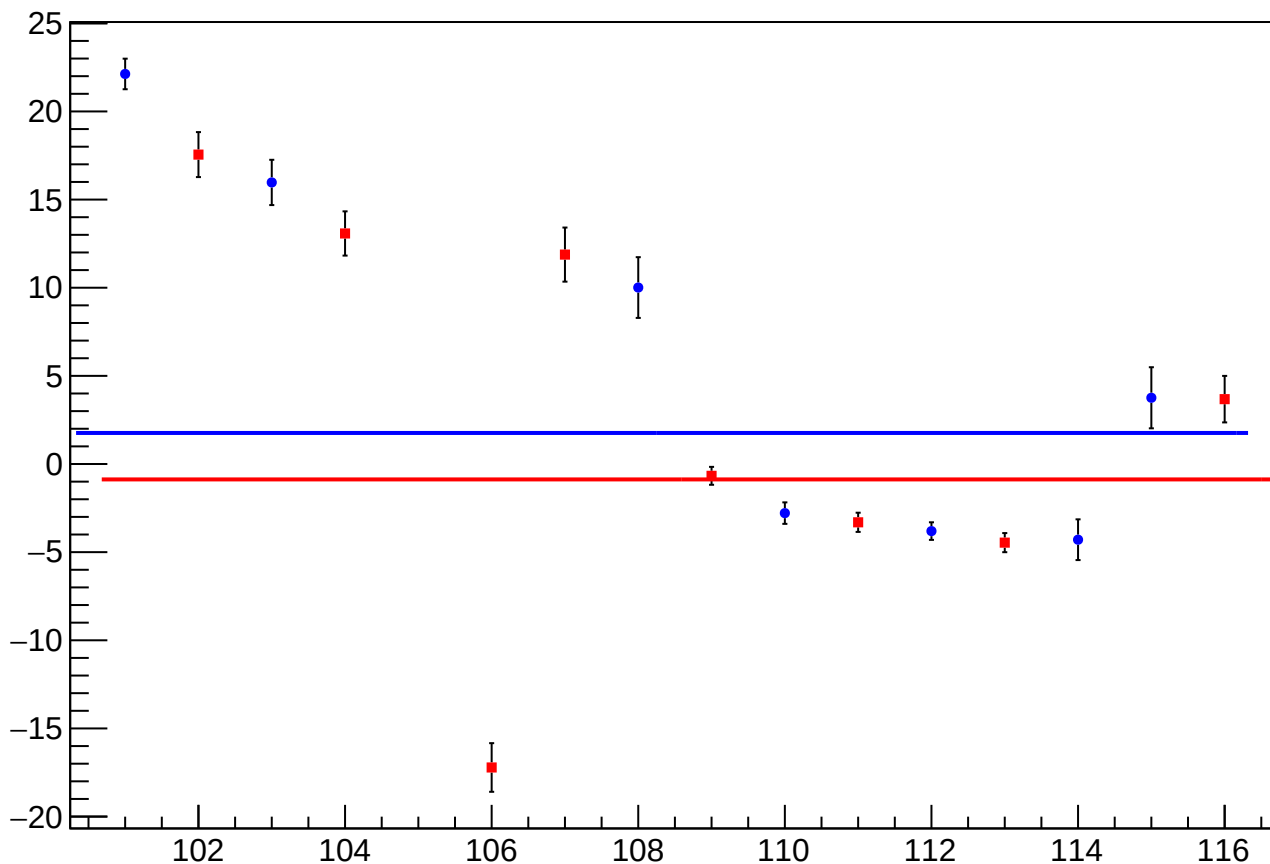
In:  $-0.172 \pm 0.013$   $\chi^2/\text{NDF}$ : 25.5/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.193 \pm 0.009$   $\chi^2/\text{NDF}$ : 225.5/14



reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.762 $\pm$ 0.315  $\chi^2$ /NDF: 906.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.874 $\pm$ 0.273  $\chi^2$ /NDF: 617.3/7

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

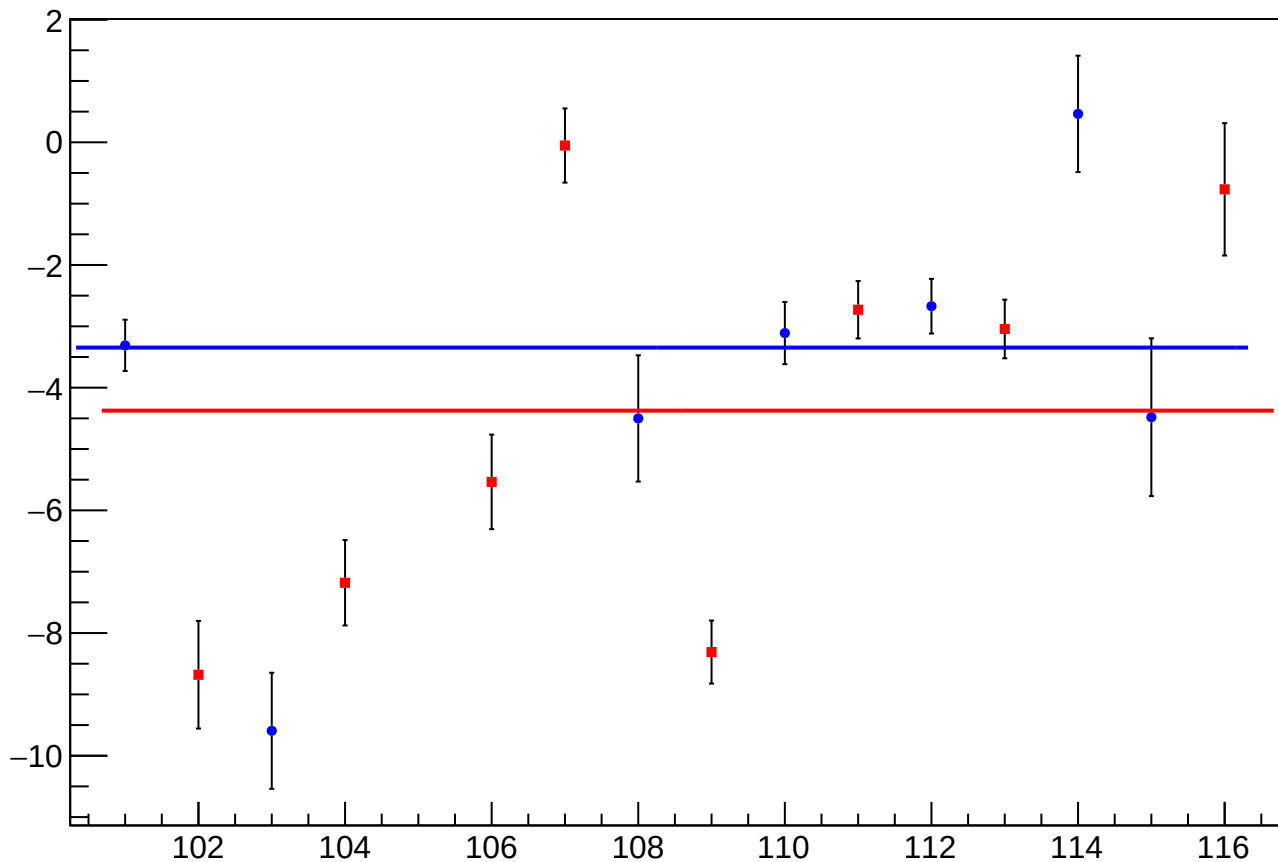
Right: 0.255 $\pm$ 0.206  $\chi^2$ /NDF: 1563.3/14

In: 1.762 $\pm$ 0.315  $\chi^2$ /NDF: 906.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.255 $\pm$ 0.206  $\chi^2$ /NDF: 1563.3/14

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.346+/-0.233  $\chi^2/\text{NDF}$ : 64.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.374+/-0.216  $\chi^2/\text{NDF}$ : 183.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

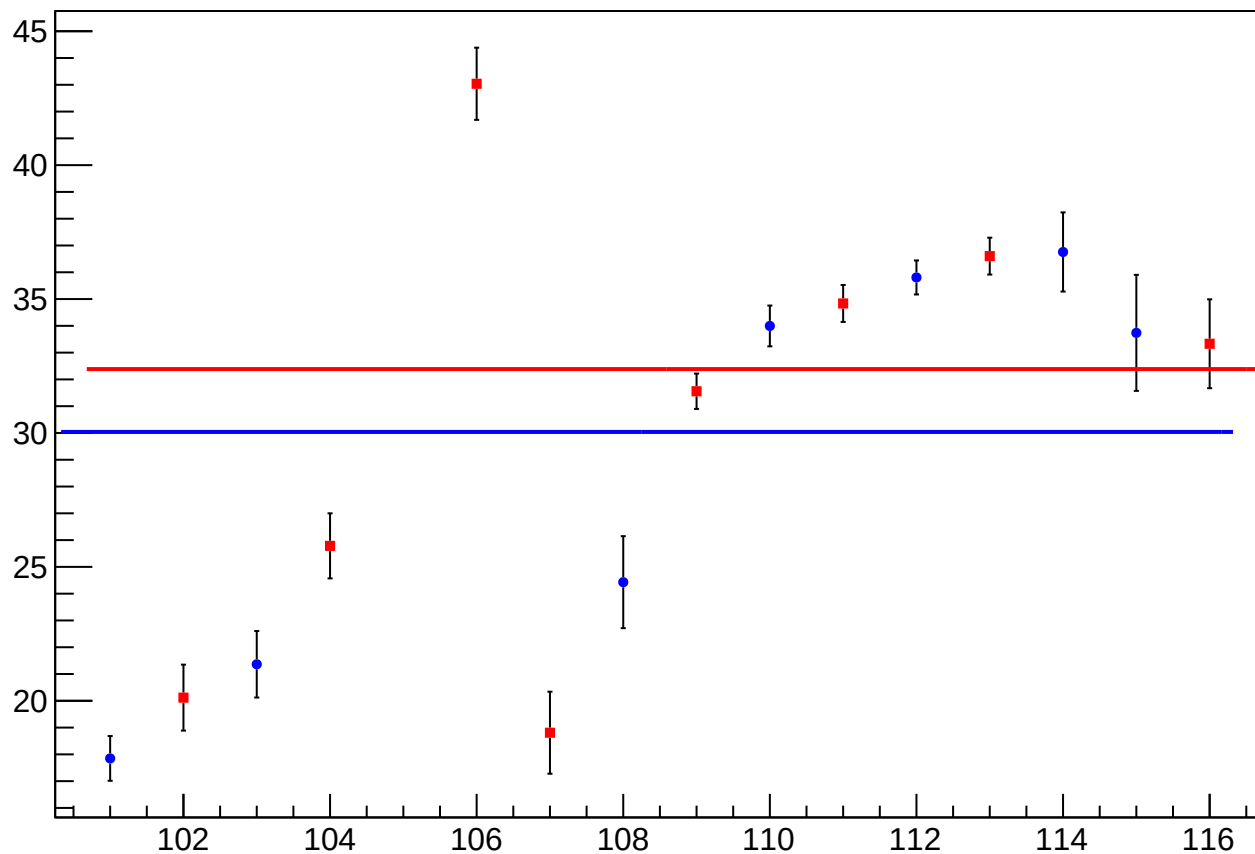
Right: -3.898+/-0.159  $\chi^2/\text{NDF}$ : 258.3/14

In: -3.346+/-0.233  $\chi^2/\text{NDF}$ : 64.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.898+/-0.159  $\chi^2/\text{NDF}$ : 258.3/14

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 30.039 $\pm$ 0.370  $\chi^2$ /NDF: 405.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 32.385 $\pm$ 0.330  $\chi^2$ /NDF: 321.8/7

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

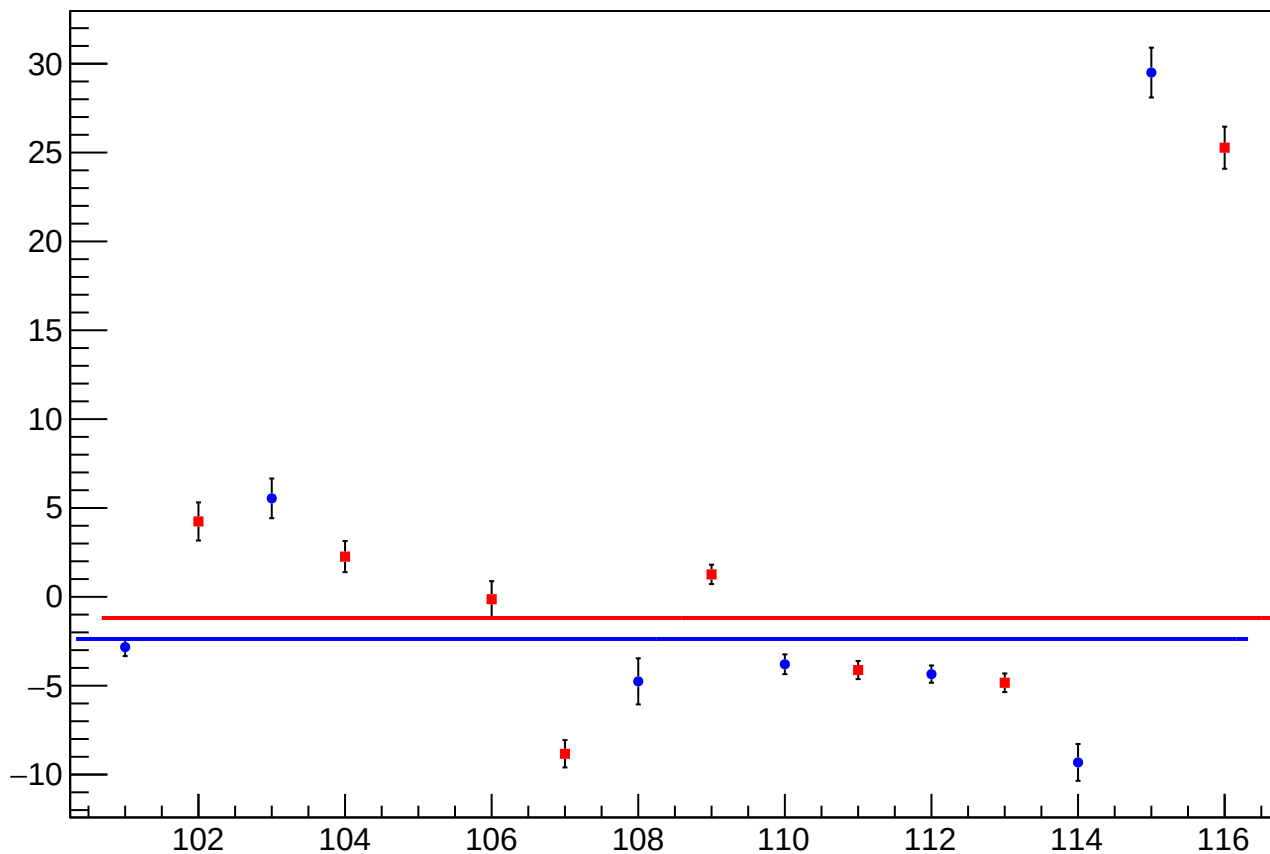
Right: 31.346 $\pm$ 0.246  $\chi^2$ /NDF: 749.7/14

In: 30.039 $\pm$ 0.370  $\chi^2$ /NDF:405.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 31.346 $\pm$ 0.246  $\chi^2$ /NDF: 749.7/14

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.372+/-0.266  $\chi^2/\text{NDF}$ : 639.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.191+/-0.247  $\chi^2/\text{NDF}$ : 741.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

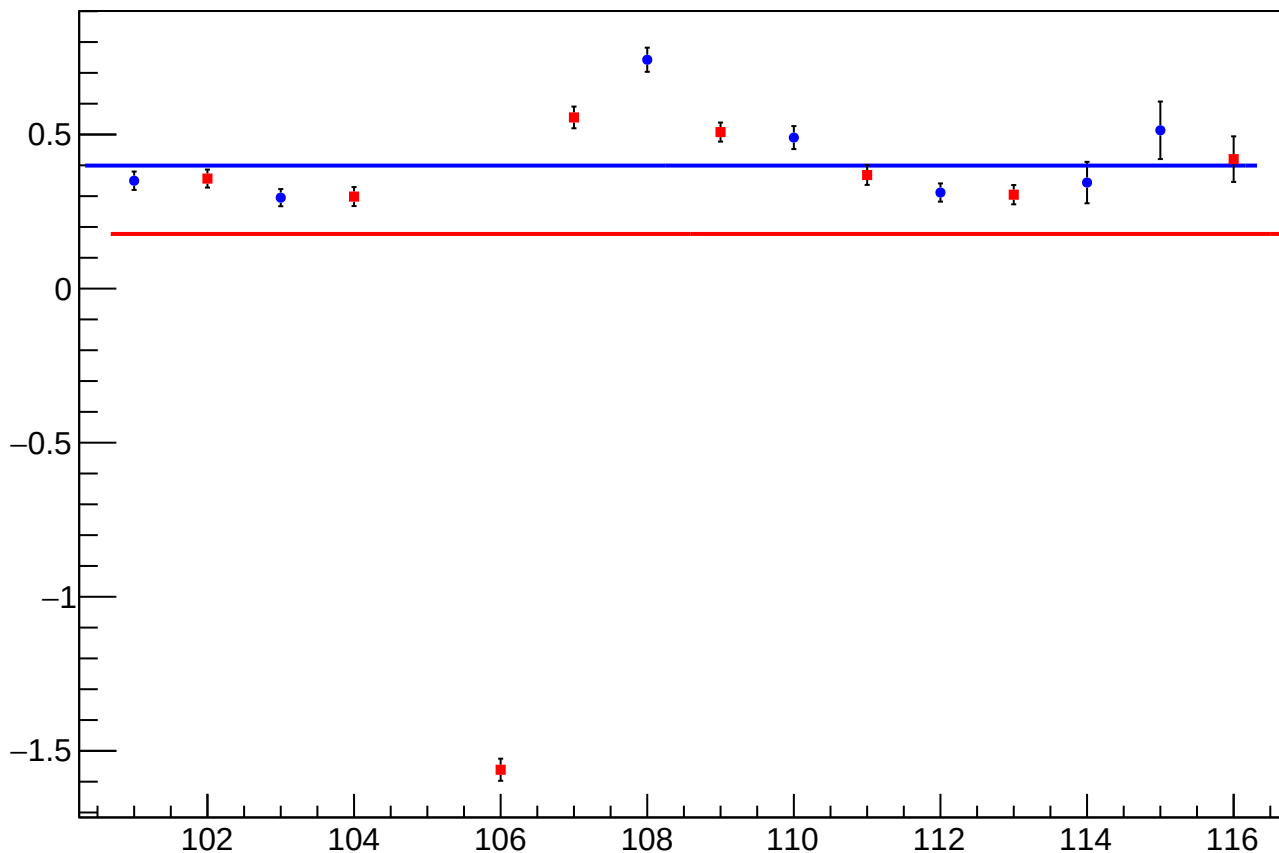
Right: -1.738+/-0.181  $\chi^2/\text{NDF}$ : 1391.1/14

In: -2.372+/-0.266  $\chi^2/\text{NDF}$ : 639.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.738+/-0.181  $\chi^2/\text{NDF}$ : 1391.1/14

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.399 $\pm$ 0.014  $\chi^2$ /NDF: 110.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.177 $\pm$ 0.012  $\chi^2$ /NDF: 2692.4/7

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

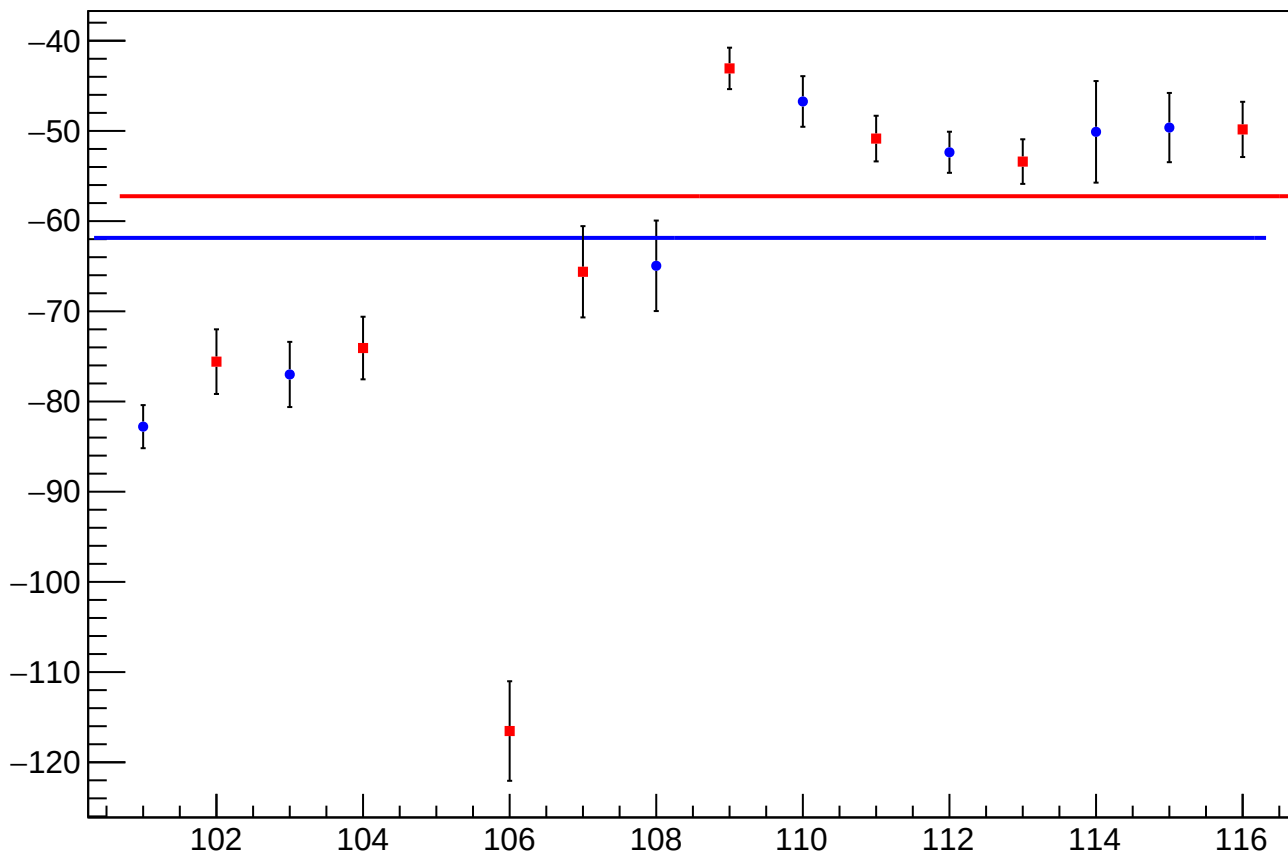
Right: 0.272 $\pm$ 0.009  $\chi^2$ /NDF: 2951.1/14

In: 0.399 $\pm$ 0.014  $\chi^2$ /NDF:110.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.272 $\pm$ 0.009  $\chi^2$ /NDF: 2951.1/14

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -61.860+/-1.186  $\chi^2/\text{NDF}$ : 155.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -57.239+/-1.086  $\chi^2/\text{NDF}$ : 220.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

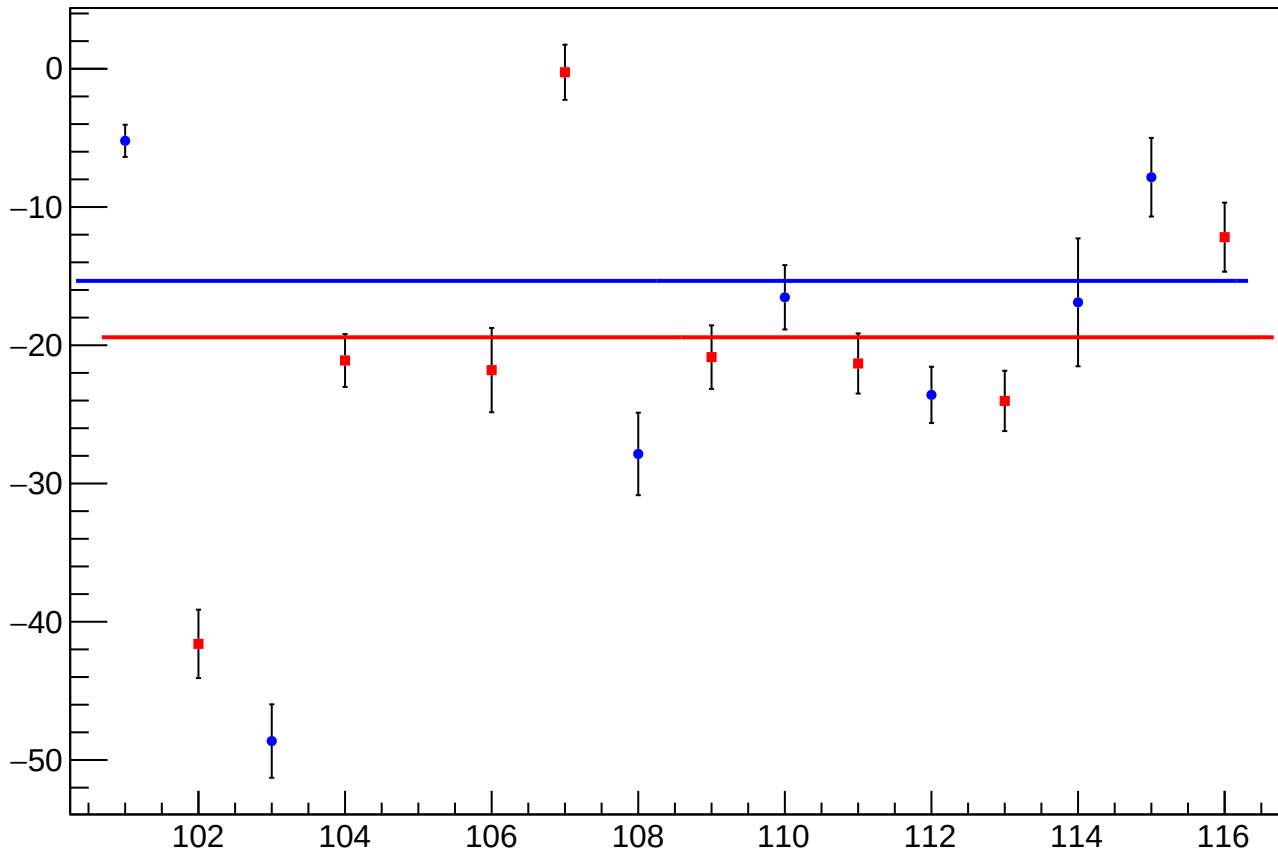
Right: -59.345+/-0.801  $\chi^2/\text{NDF}$ : 384.4/14

In: -61.860+/-1.186  $\chi^2/\text{NDF}$ : 155.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -59.345+/-0.801  $\chi^2/\text{NDF}$ : 384.4/14

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-15.342 \pm 0.794$   $\chi^2/\text{NDF}$ : 274.1/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-19.422 \pm 0.799$   $\chi^2/\text{NDF}$ : 188.0/7

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

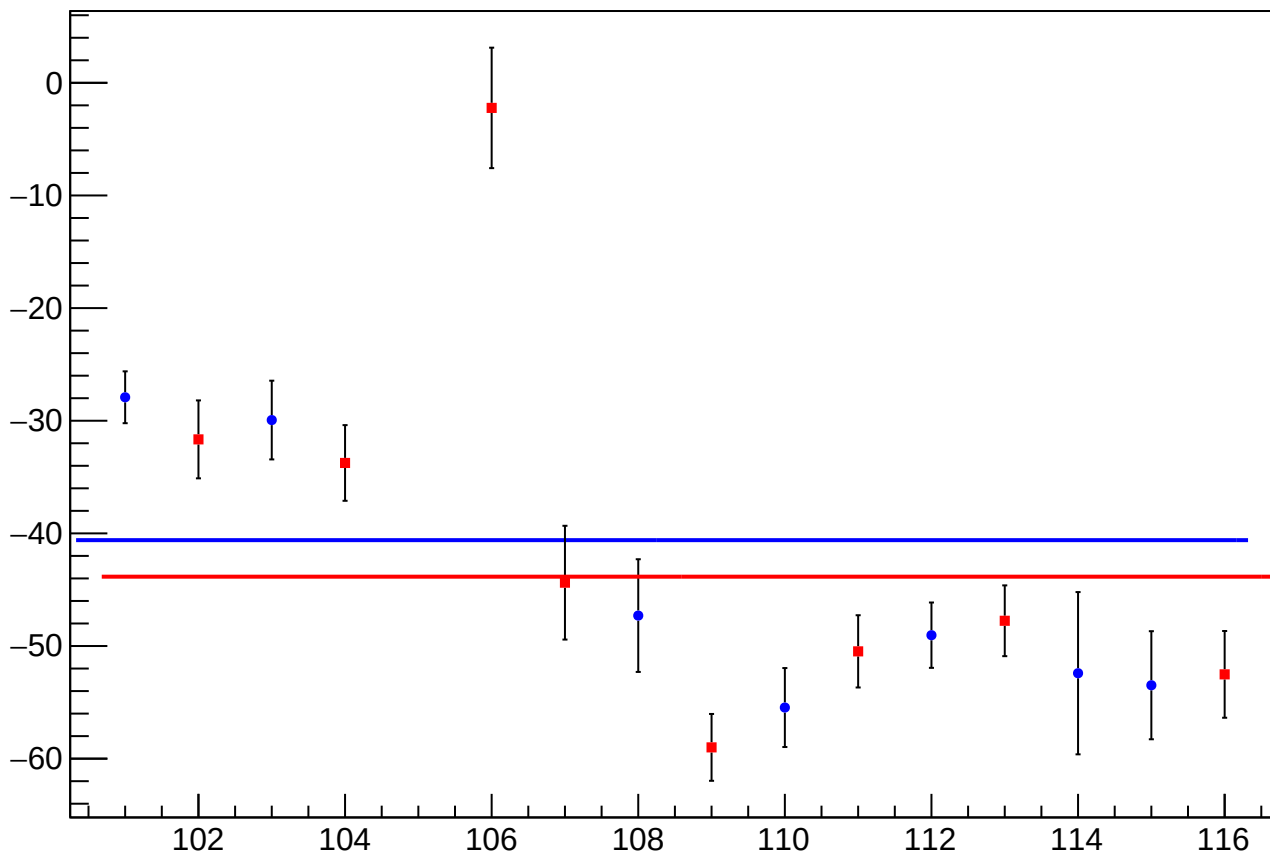
Right:  $-17.368 \pm 0.563$   $\chi^2/\text{NDF}$ : 475.2/14

In:  $-15.342 \pm 0.794$   $\chi^2/\text{NDF}$ : 274.1/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-17.368 \pm 0.563$   $\chi^2/\text{NDF}$ : 475.2/14

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-40.601 \pm 1.320$   $\chi^2/\text{NDF}$ : 77.8/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-43.844 \pm 1.264$   $\chi^2/\text{NDF}$ : 119.0/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right:  $-42.294 \pm 0.913$   $\chi^2/\text{NDF}$ : 200.0/14

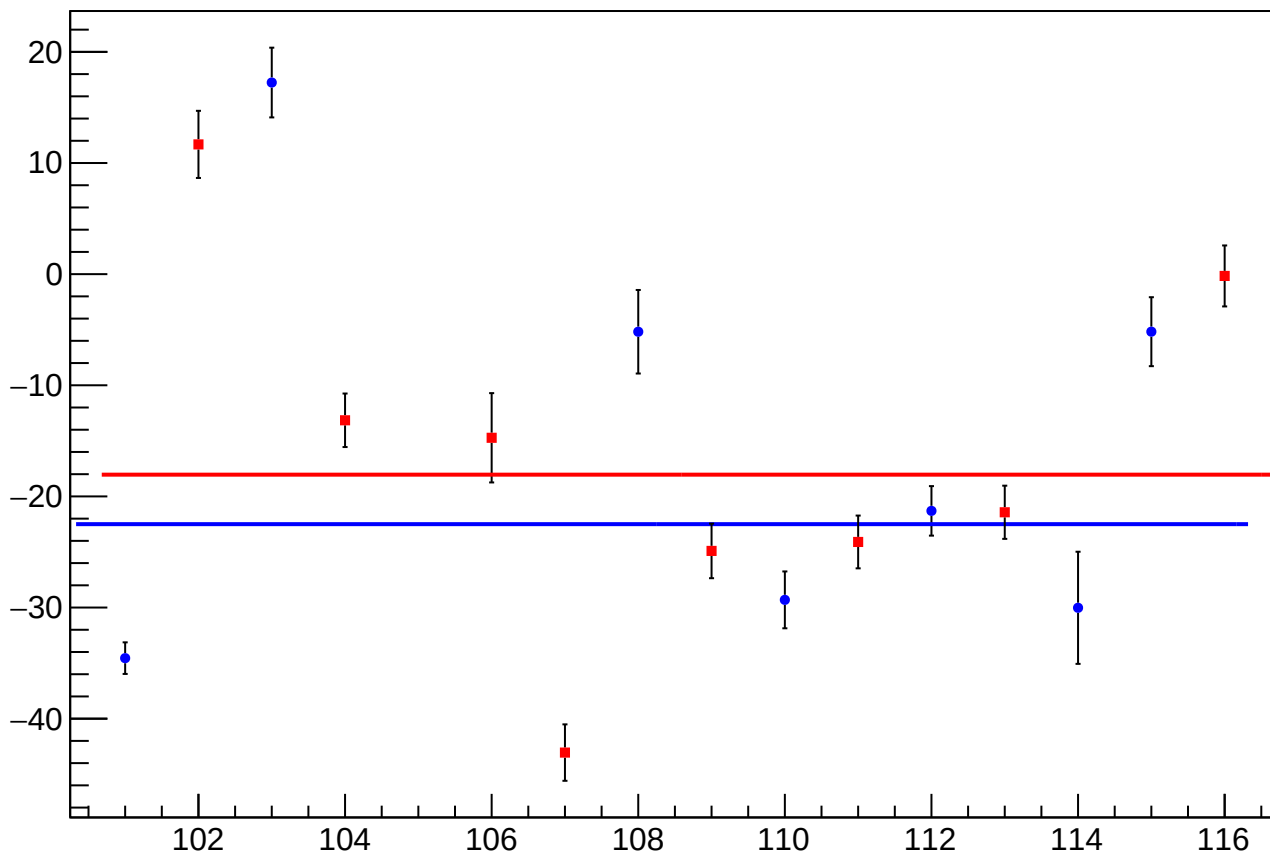
In:  $-40.601 \pm 1.320$   $\chi^2/\text{NDF}$ : 77.8/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-42.294 \pm 0.913$   $\chi^2/\text{NDF}$ : 200.0/14



reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -22.496 $\pm$ 0.927  $\chi^2$ /NDF: 294.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -18.043 $\pm$ 0.933  $\chi^2$ /NDF: 257.4/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

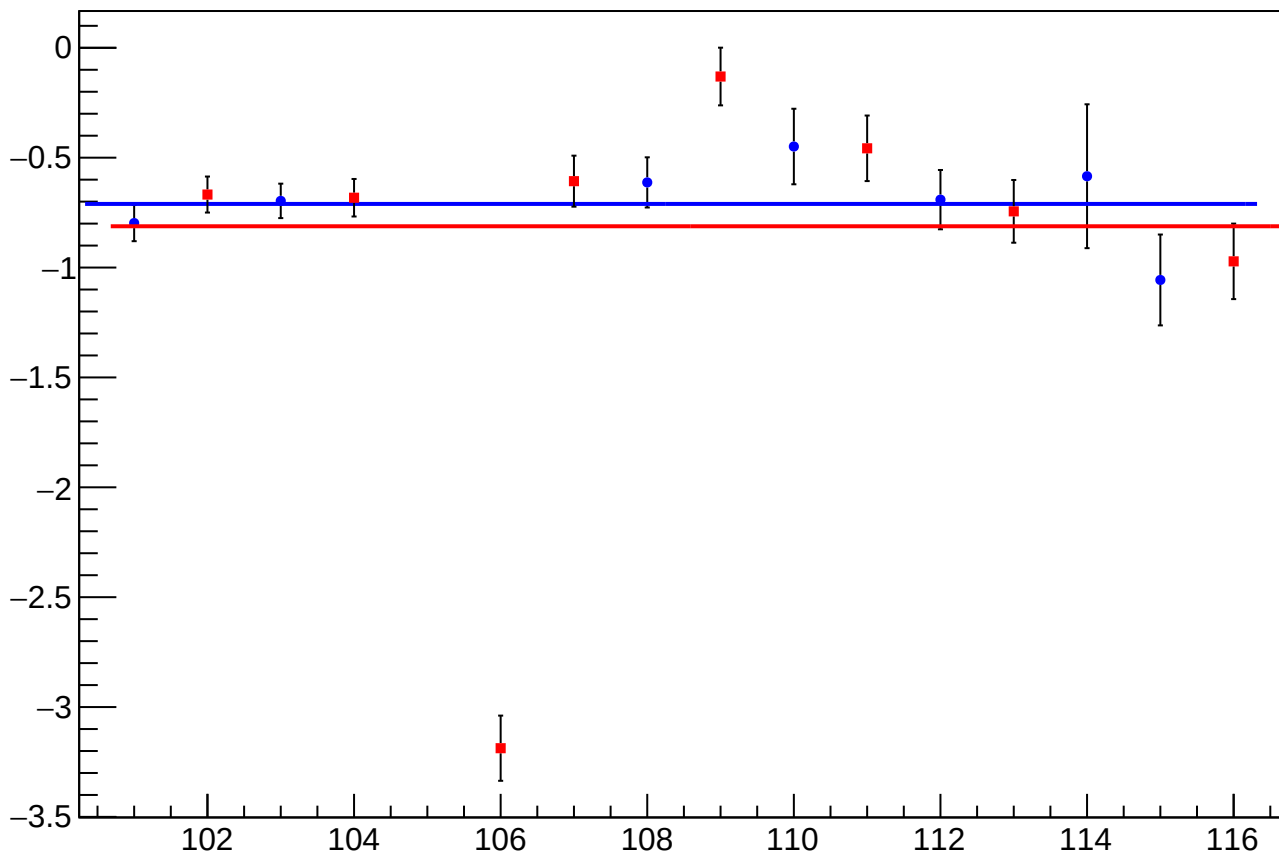
Right: -20.284 $\pm$ 0.657  $\chi^2$ /NDF: 563.2/14

In: -22.496 $\pm$ 0.927  $\chi^2$ /NDF:294.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -20.284 $\pm$ 0.657  $\chi^2$ /NDF: 563.2/14

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.710 \pm 0.044$   $\chi^2/\text{NDF}: 7.2/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.812 \pm 0.041$   $\chi^2/\text{NDF}: 298.6/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

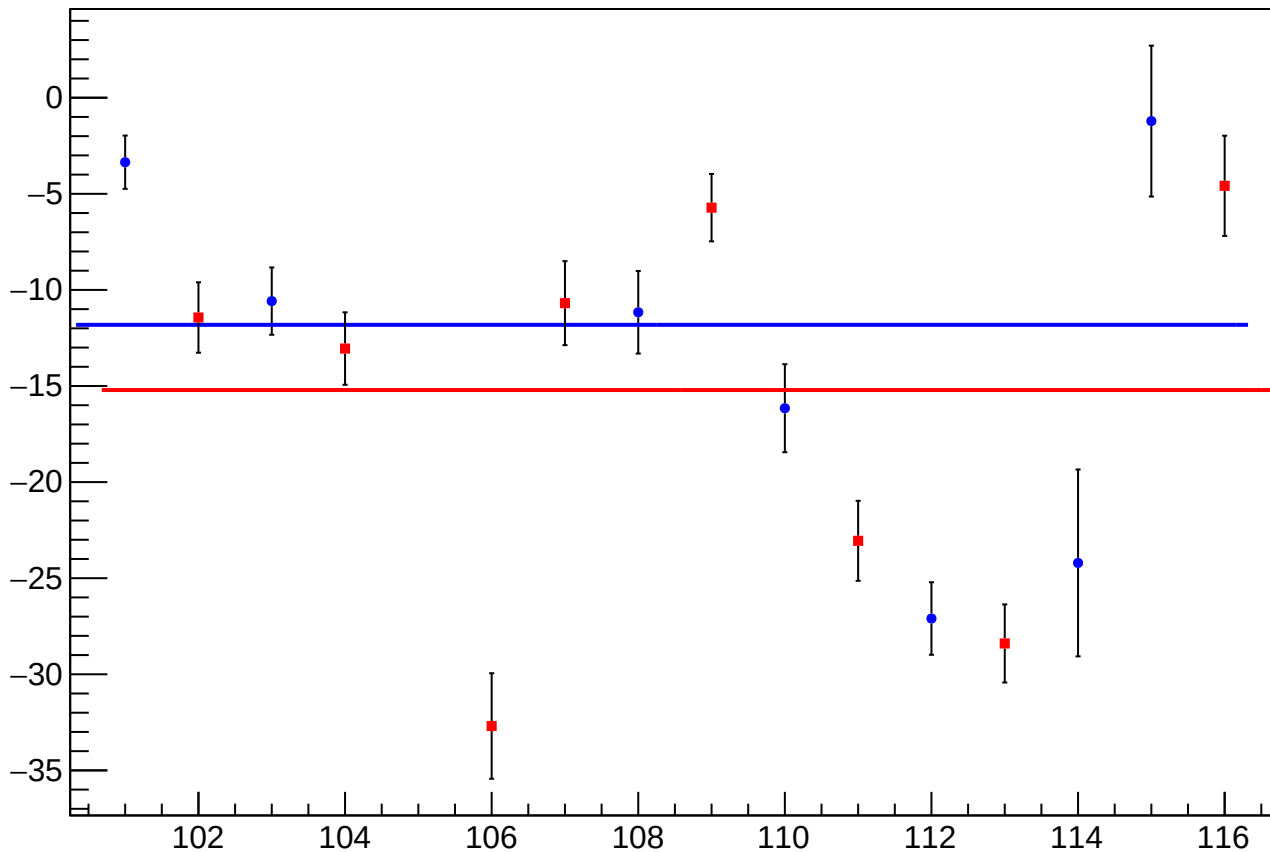
Right:  $-0.765 \pm 0.030$   $\chi^2/\text{NDF}: 308.6/14$

In:  $-0.710 \pm 0.044$   $\chi^2/\text{NDF}: 7.2/6$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.765 \pm 0.030$   $\chi^2/\text{NDF}: 308.6/14$

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -11.817 $\pm$ 0.780  $\chi^2$ /NDF: 120.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -15.210 $\pm$ 0.732  $\chi^2$ /NDF: 152.6/7

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

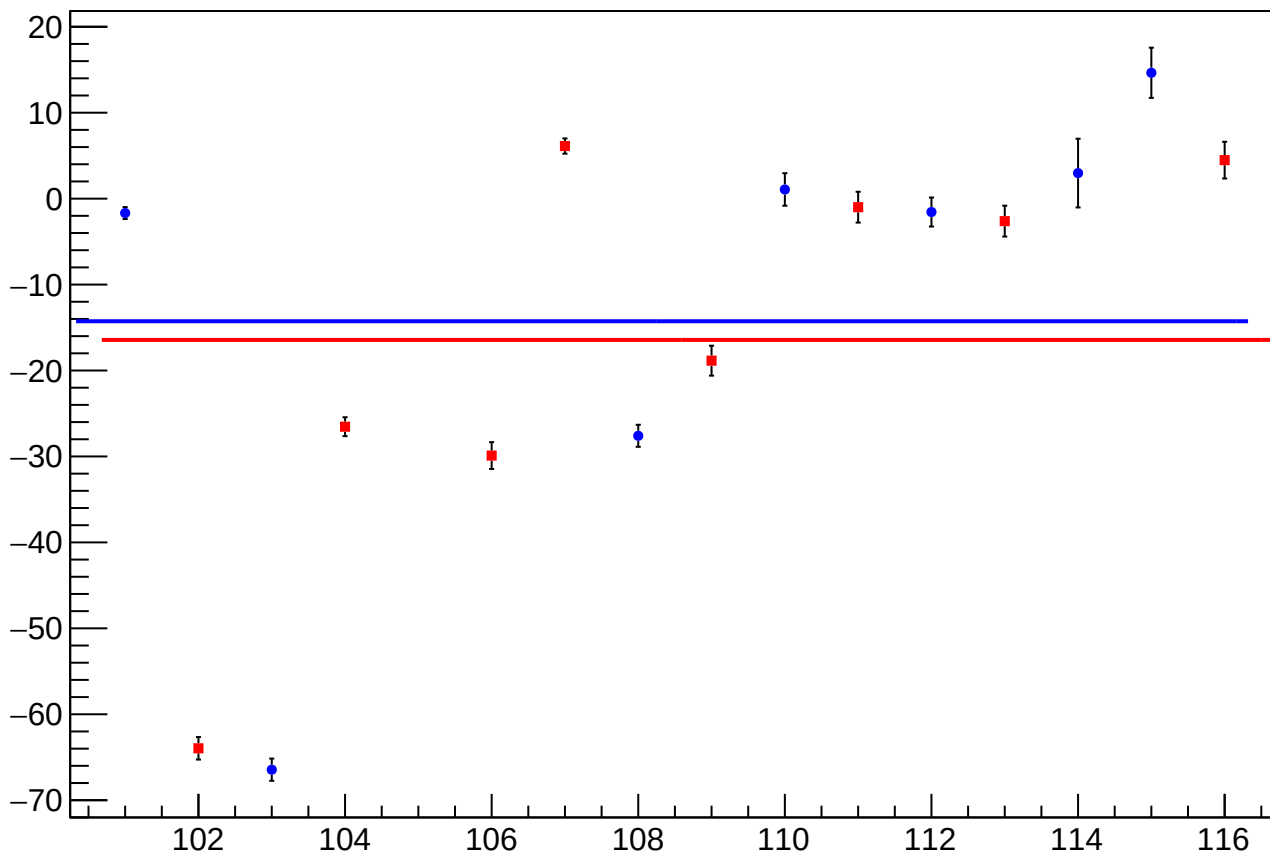
Right: -13.622 $\pm$ 0.534  $\chi^2$ /NDF: 283.5/14

In: -11.817 $\pm$ 0.780  $\chi^2$ /NDF:120.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -13.622 $\pm$ 0.534  $\chi^2$ /NDF: 283.5/14

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -14.268 $\pm$ 0.495  $\chi^2$ /NDF: 2303.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -16.438 $\pm$ 0.485  $\chi^2$ /NDF: 2349.4/7

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

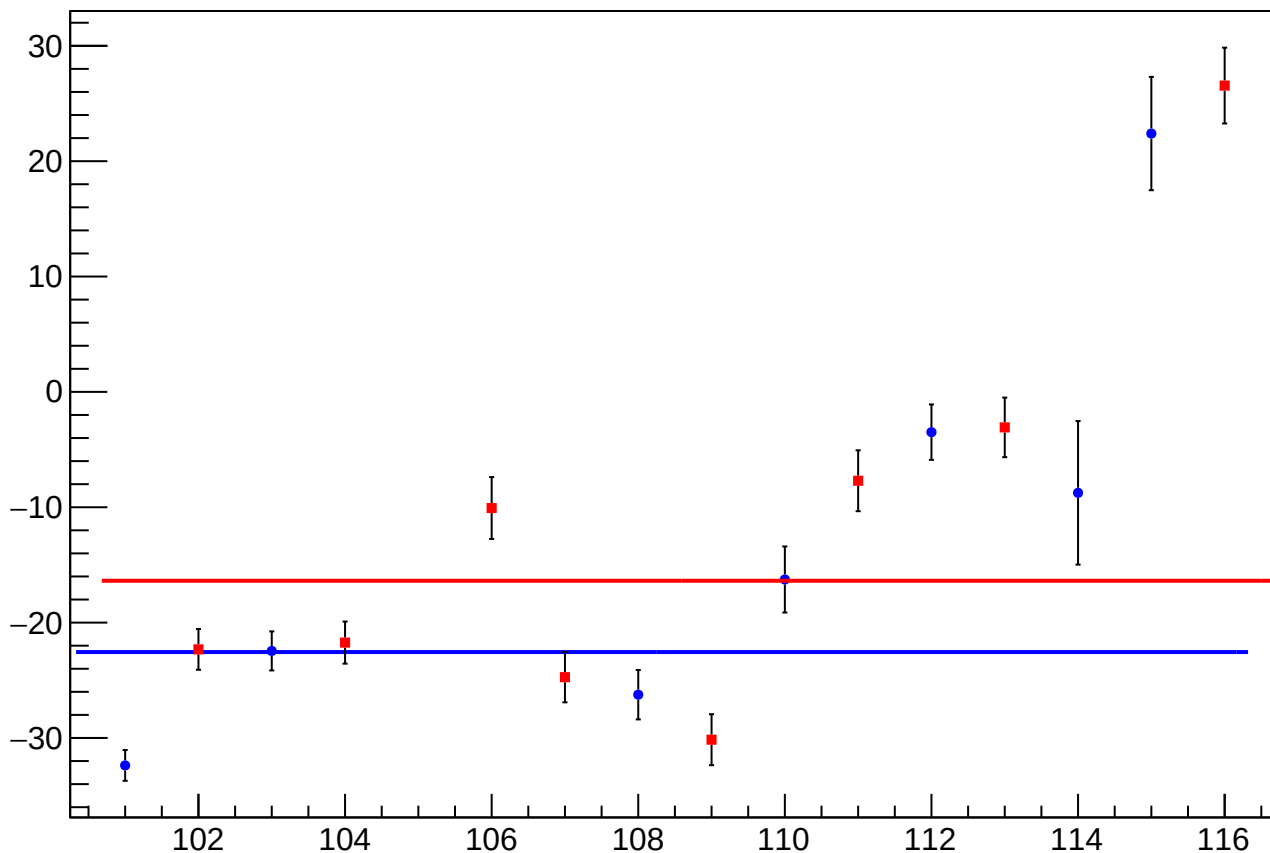
Right: -15.375 $\pm$ 0.346  $\chi^2$ /NDF: 4663.2/14

In: -14.268 $\pm$ 0.495  $\chi^2$ /NDF:2303.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -15.375 $\pm$ 0.346  $\chi^2$ /NDF: 4663.2/14

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -22.552 $\pm$ 0.819  $\chi^2$ /NDF: 213.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -16.371 $\pm$ 0.801  $\chi^2$ /NDF: 286.9/7

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

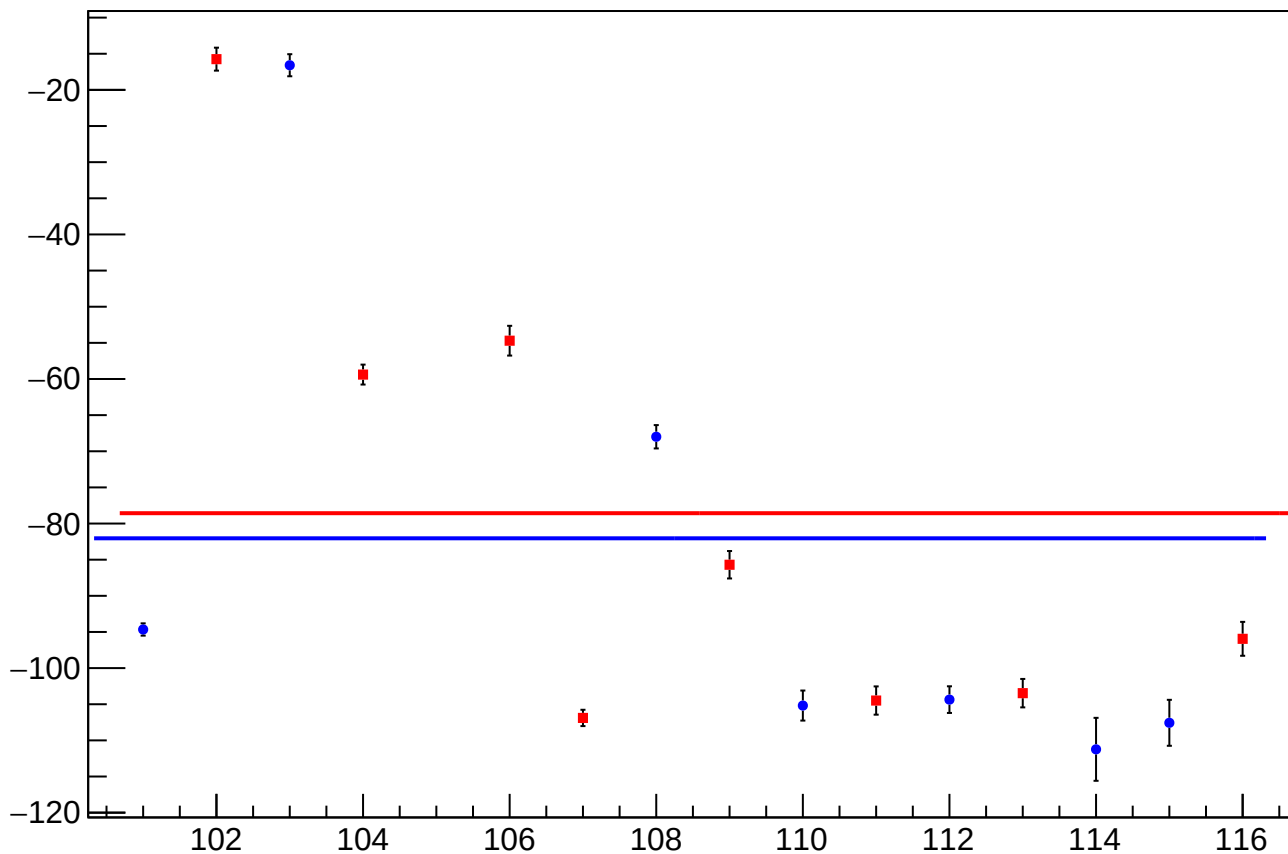
Right: -19.390 $\pm$ 0.573  $\chi^2$ /NDF: 529.6/14

In: -22.552 $\pm$ 0.819  $\chi^2$ /NDF:213.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -19.390 $\pm$ 0.573  $\chi^2$ /NDF: 529.6/14

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -82.042 $\pm$ 0.590  $\chi^2$ /NDF: 2513.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -78.568 $\pm$ 0.585  $\chi^2$ /NDF: 2928.6/7

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

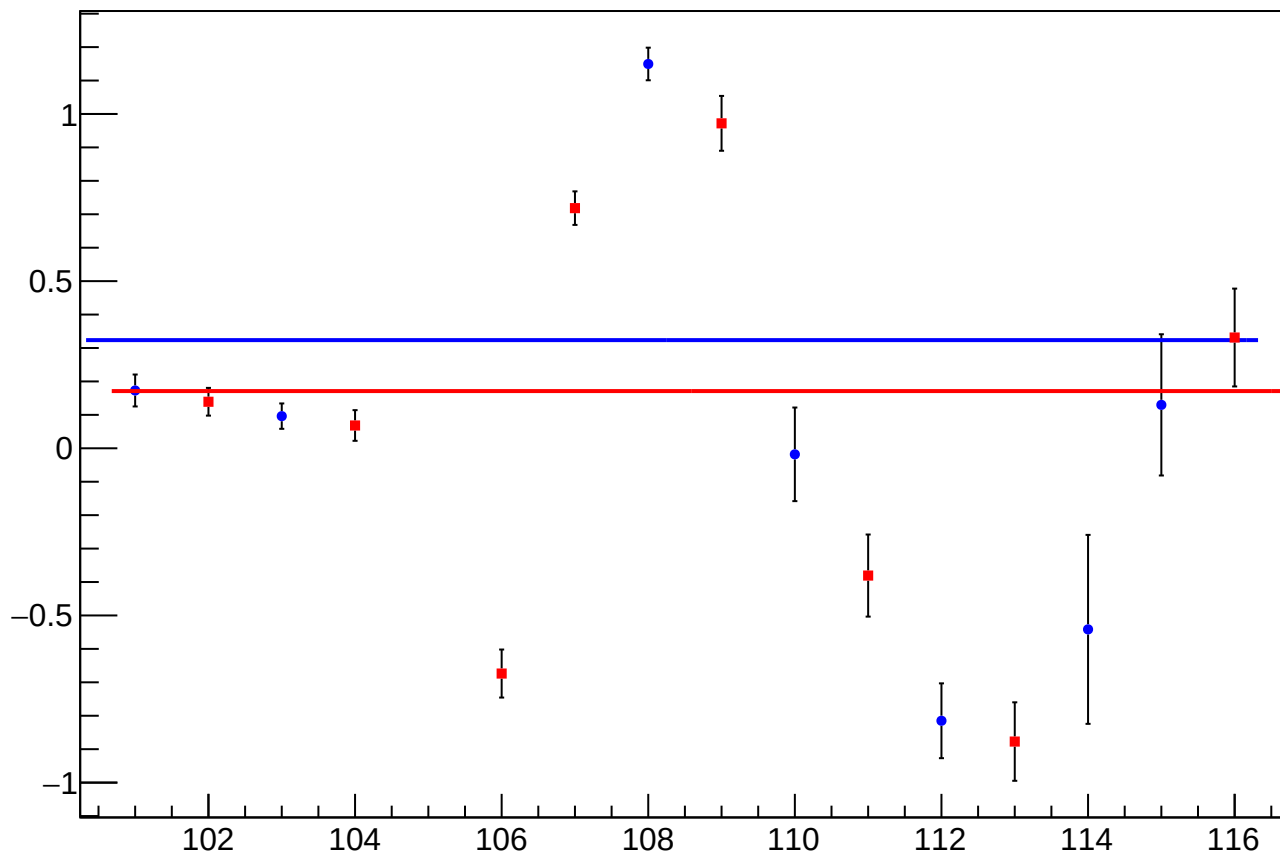
Right: -80.290 $\pm$ 0.415  $\chi^2$ /NDF: 5459.3/14

In: -82.042 $\pm$ 0.590  $\chi^2$ /NDF:2513.2/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -80.290 $\pm$ 0.415  $\chi^2$ /NDF: 5459.3/14

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.324 $\pm$ 0.024  $\chi^2$ /NDF: 452.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.171 $\pm$ 0.022  $\chi^2$ /NDF: 459.4/7

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

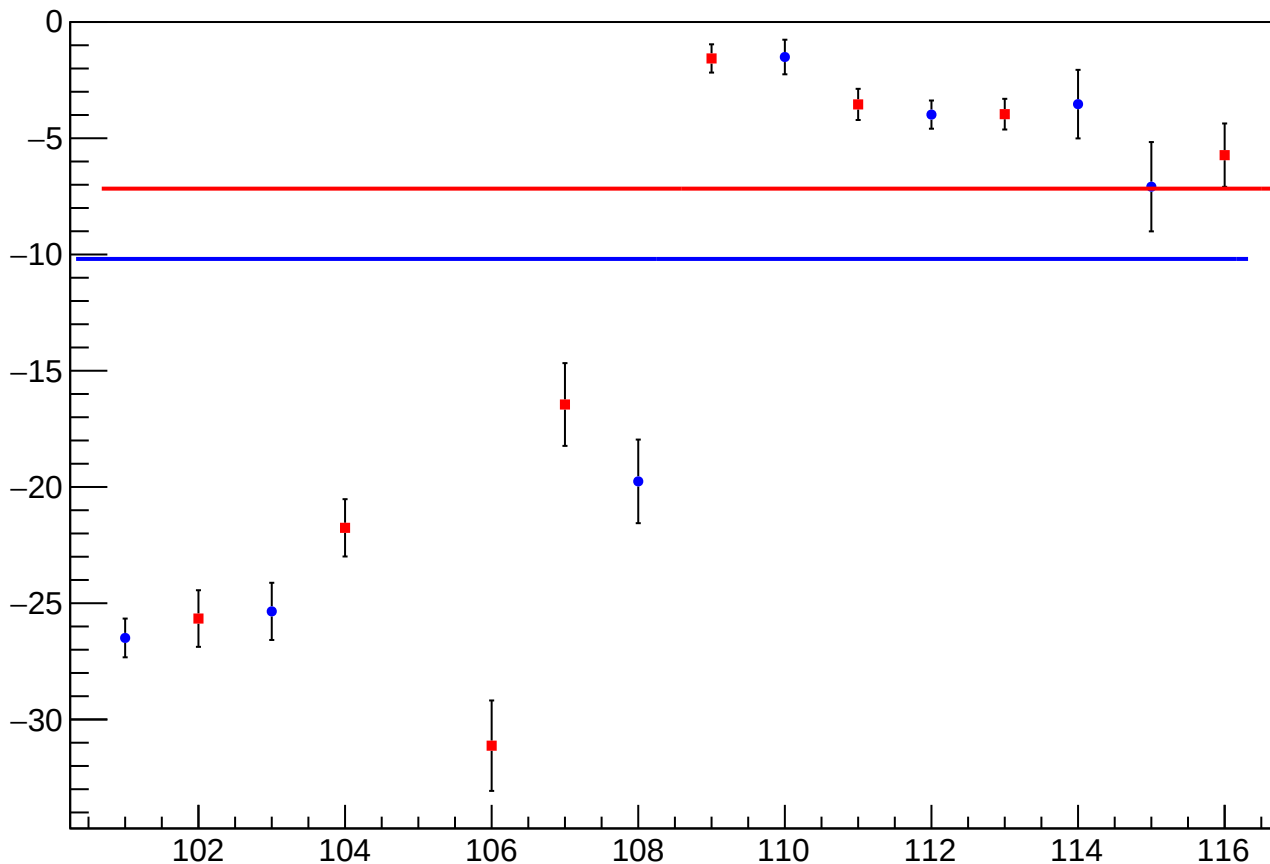
Right: 0.242 $\pm$ 0.016  $\chi^2$ /NDF: 933.2/14

In: 0.324 $\pm$ 0.024  $\chi^2$ /NDF:452.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.242 $\pm$ 0.016  $\chi^2$ /NDF: 933.2/14

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -10.191+/-0.361  $\chi^2/\text{NDF}$ : 827.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.167+/-0.321  $\chi^2/\text{NDF}$ : 688.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -8.504+/-0.240  $\chi^2/\text{NDF}$ : 1554.7/14

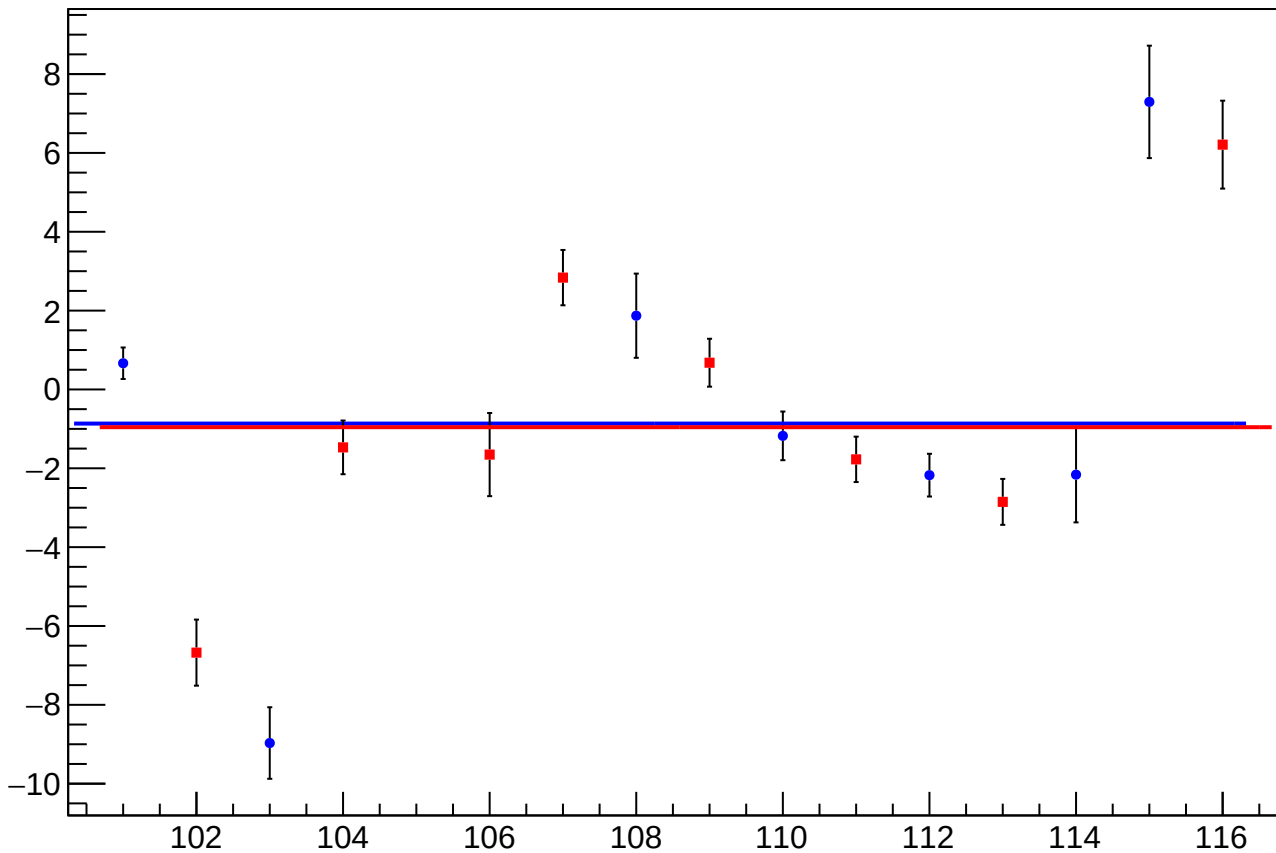
In: -10.191+/-0.361  $\chi^2/\text{NDF}$ : 827.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.504+/-0.240  $\chi^2/\text{NDF}$ : 1554.7/14



reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.866+/-0.254  $\chi^2/\text{NDF}$ : 141.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.958+/-0.250  $\chi^2/\text{NDF}$ : 137.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

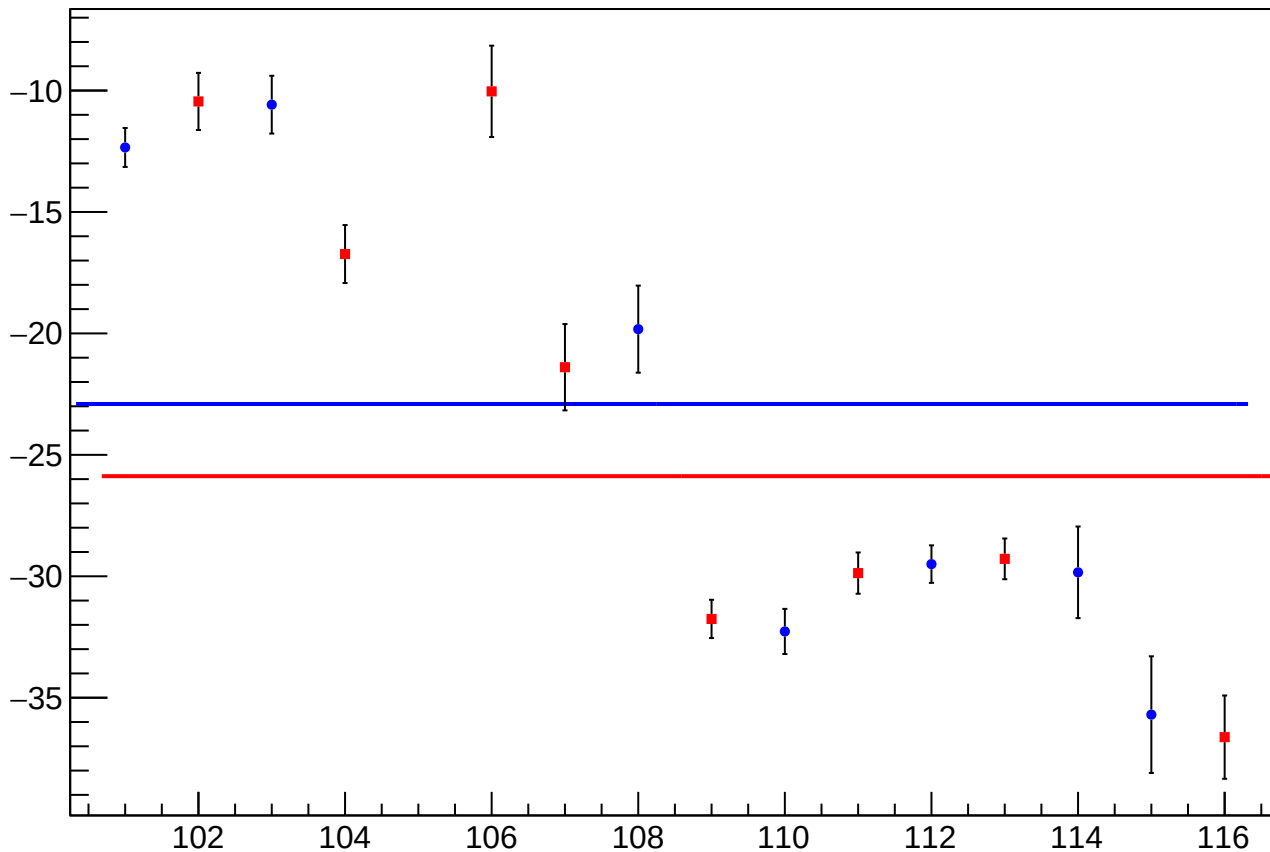
Right: -0.912+/-0.178  $\chi^2/\text{NDF}$ : 279.0/14

In: -0.866+/-0.254  $\chi^2/\text{NDF}$ : 141.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.912+/-0.178  $\chi^2/\text{NDF}$ : 279.0/14

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -22.907 $\pm$ 0.413  $\chi^2$ /NDF: 499.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -25.878 $\pm$ 0.384  $\chi^2$ /NDF: 441.8/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

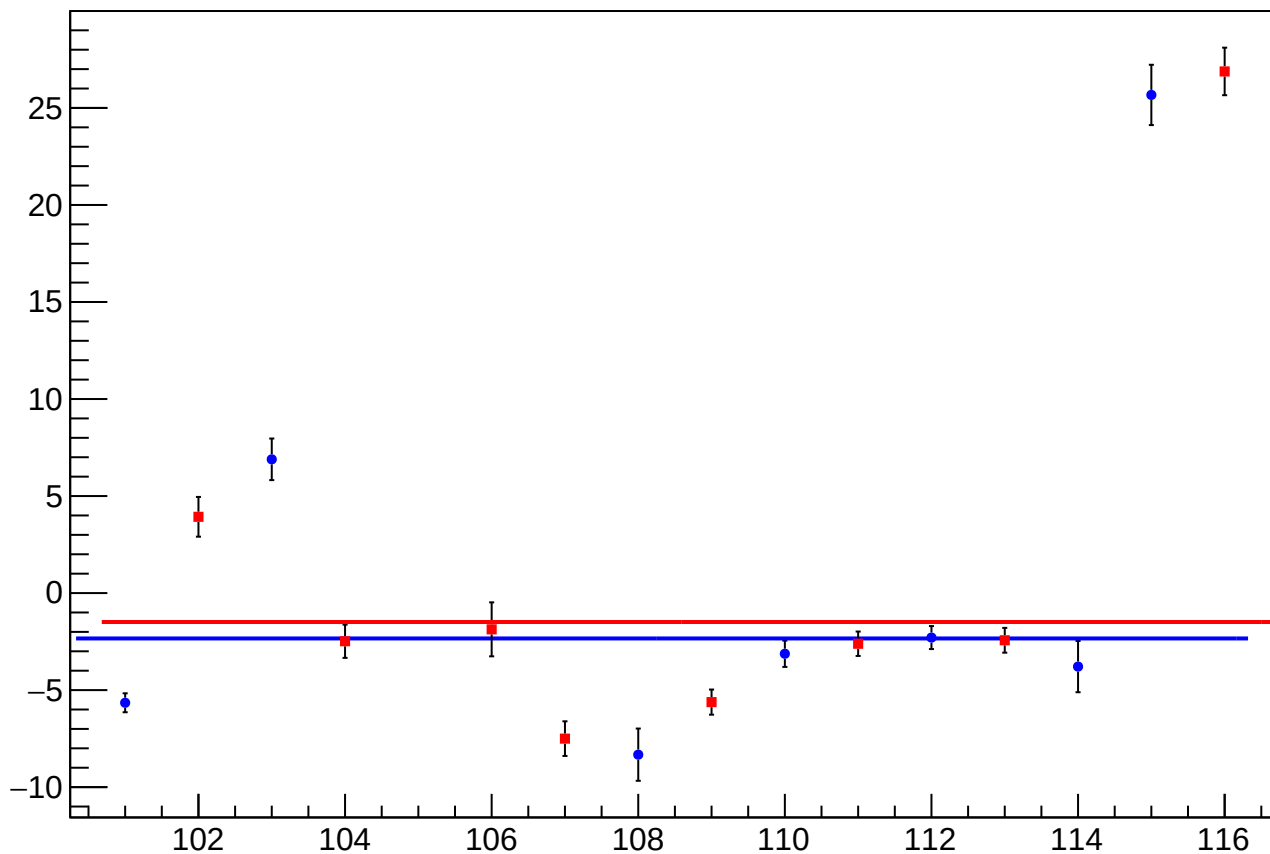
Right: -24.501 $\pm$ 0.281  $\chi^2$ /NDF: 969.4/14

In: -22.907 $\pm$ 0.413  $\chi^2$ /NDF:499.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -24.501 $\pm$ 0.281  $\chi^2$ /NDF: 969.4/14

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.338+/-0.293  $\chi^2/\text{NDF}$ : 467.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -1.491+/-0.287  $\chi^2/\text{NDF}$ : 657.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

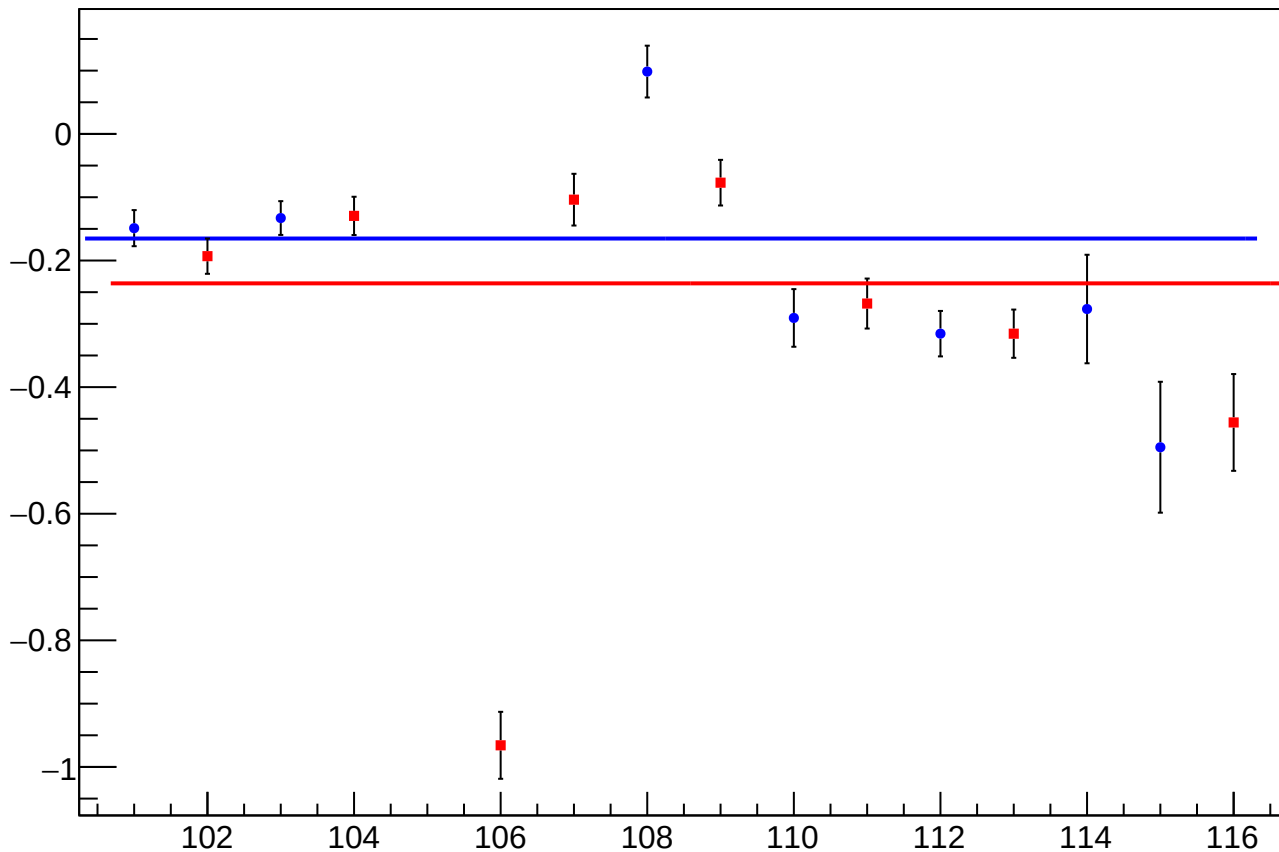
Right: -1.906+/-0.205  $\chi^2/\text{NDF}$ : 1129.3/14

In: -2.338+/-0.293  $\chi^2/\text{NDF}$ :467.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -1.906+/-0.205  $\chi^2/\text{NDF}$ : 1129.3/14

reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.165+/-0.015  $\chi^2/\text{NDF}$ : 80.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.236+/-0.013  $\chi^2/\text{NDF}$ : 248.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

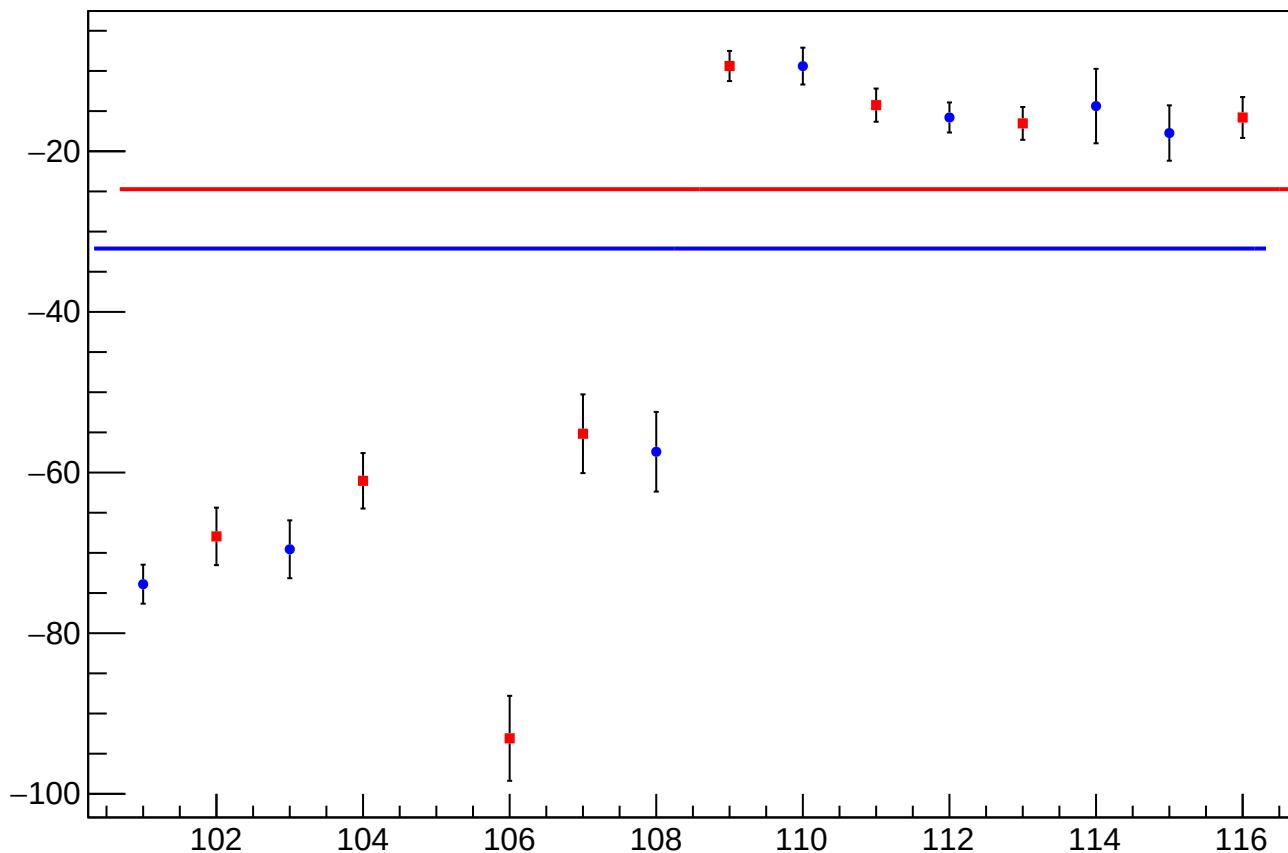
Right: -0.204+/-0.010  $\chi^2/\text{NDF}$ : 341.5/14

In: -0.165+/-0.015  $\chi^2/\text{NDF}$ :80.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.204+/-0.010  $\chi^2/\text{NDF}$ : 341.5/14

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -32.111+/-1.058  $\chi^2/\text{NDF}$ : 636.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -24.719+/-0.932  $\chi^2/\text{NDF}$ : 582.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

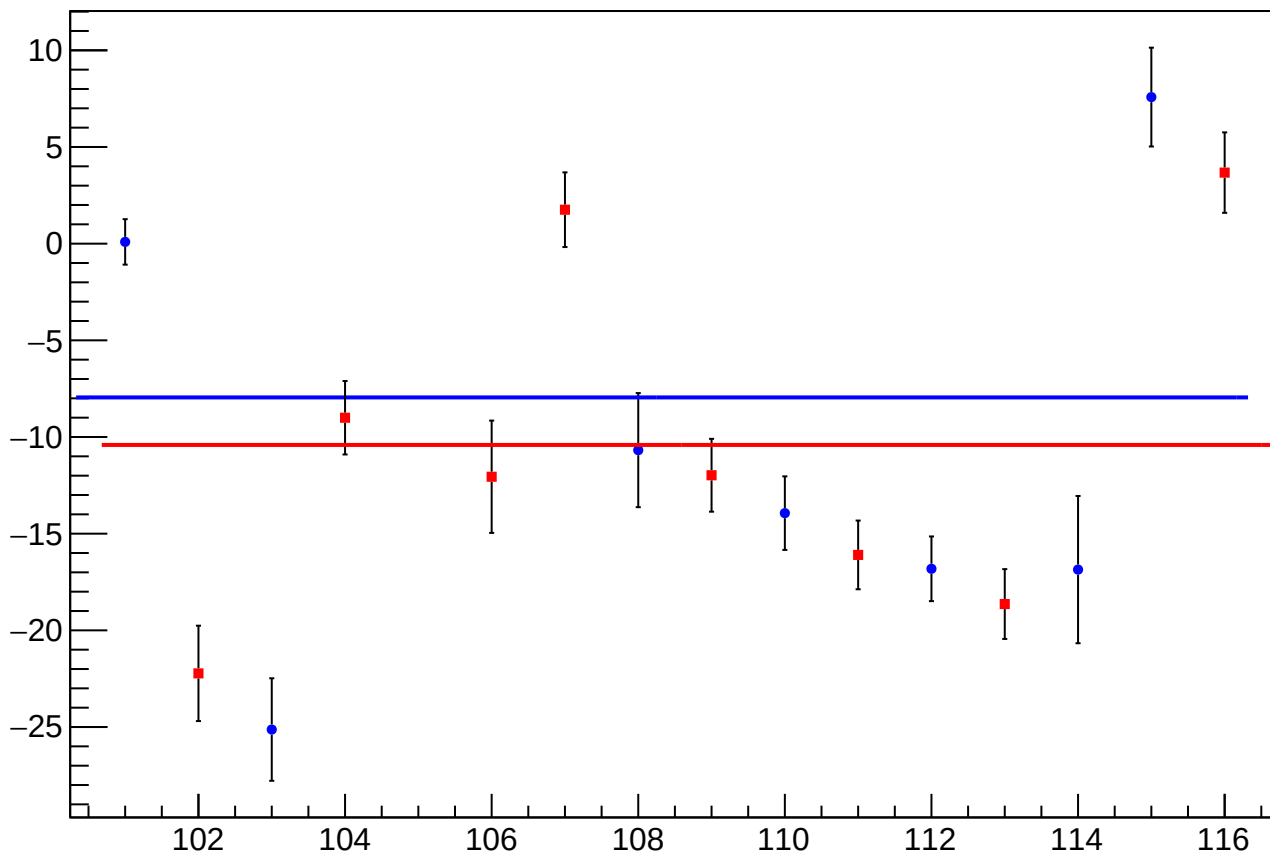
Right: -27.950+/-0.699  $\chi^2/\text{NDF}$ : 1247.0/14

In: -32.111+/-1.058  $\chi^2/\text{NDF}$ :636.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -27.950+/-0.699  $\chi^2/\text{NDF}$ : 1247.0/14

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -7.953+/-0.738  $\chi^2/\text{NDF}$ : 170.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.411+/-0.713  $\chi^2/\text{NDF}$ : 141.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

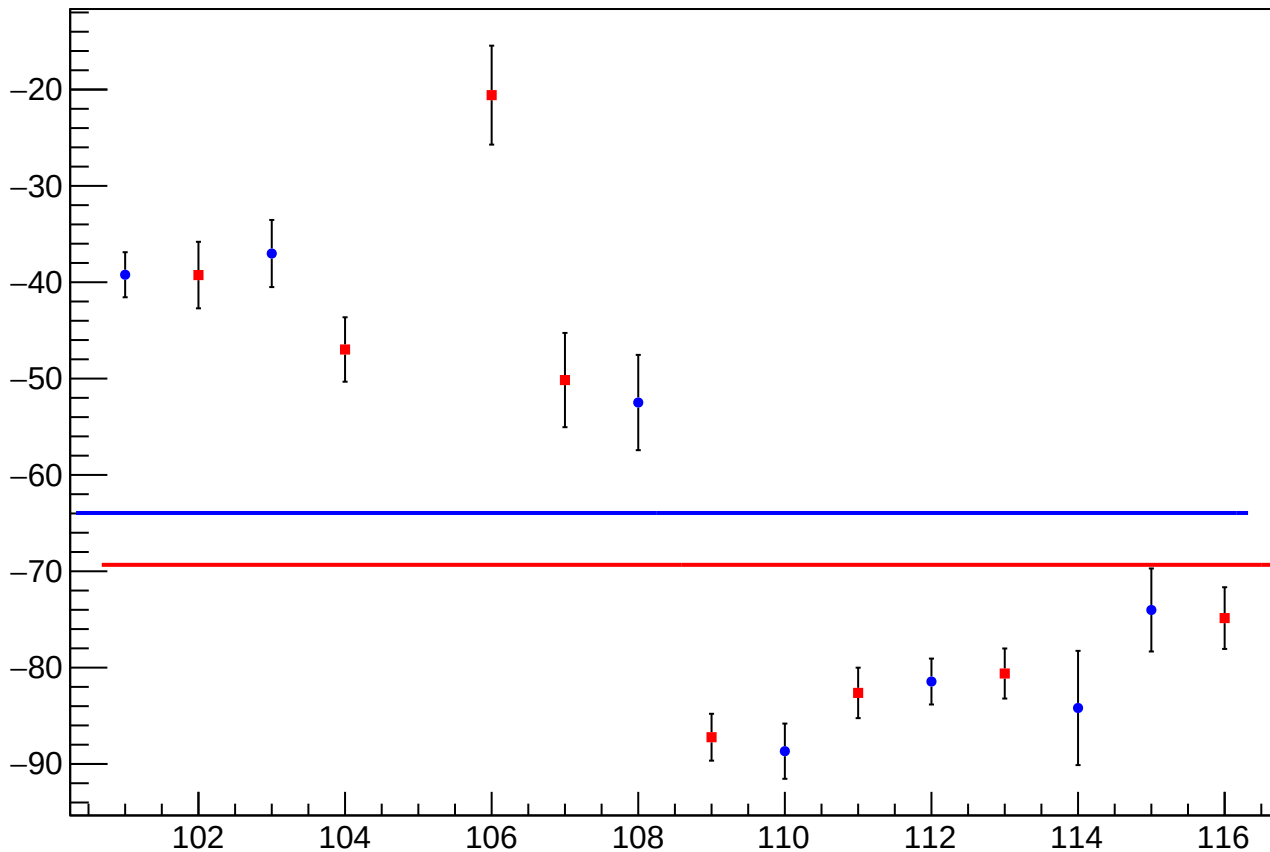
Right: -9.223+/-0.513  $\chi^2/\text{NDF}$ : 316.8/14

In: -7.953+/-0.738  $\chi^2/\text{NDF}$ : 170.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -9.223+/-0.513  $\chi^2/\text{NDF}$ : 316.8/14

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -63.949 $\pm$ 1.207  $\chi^2$ /NDF: 322.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -69.331 $\pm$ 1.109  $\chi^2$ /NDF: 327.8/7

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

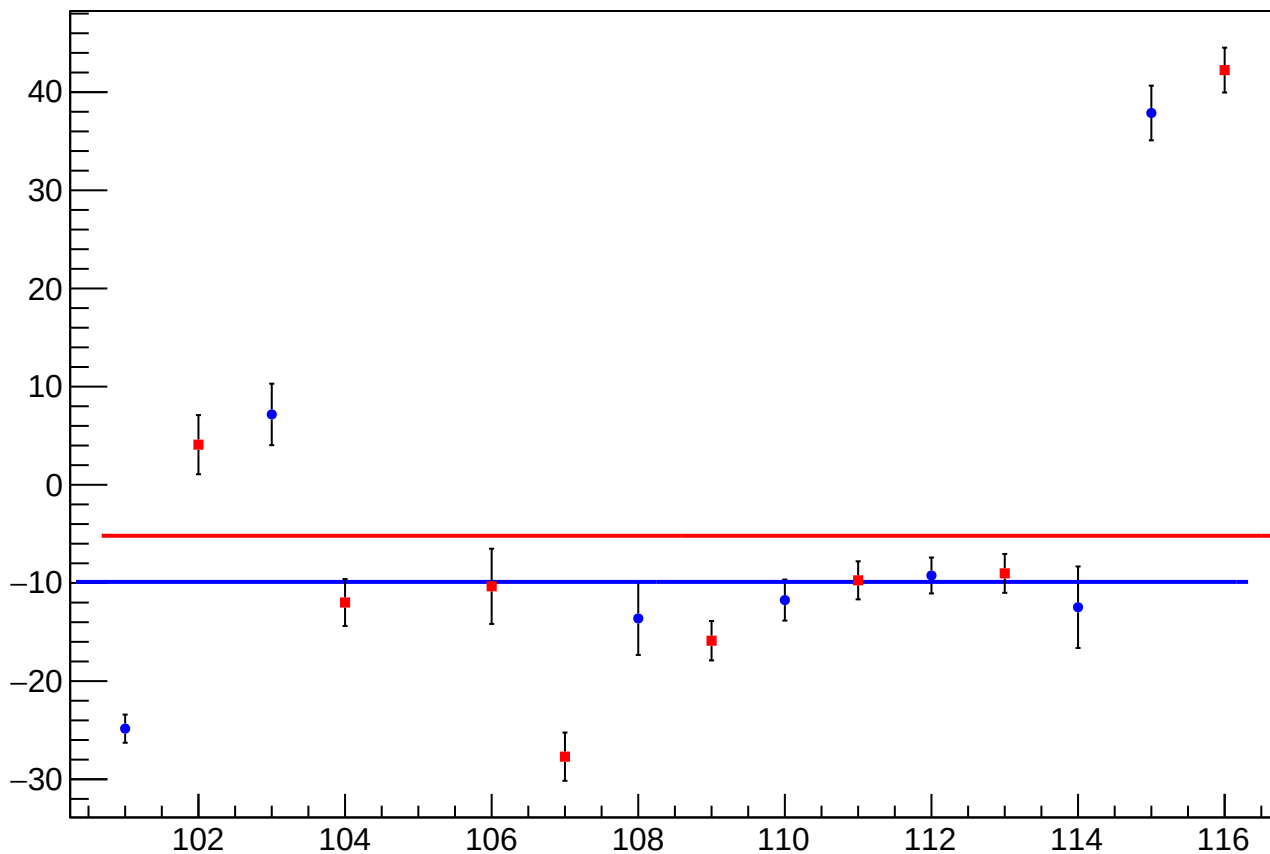
Right: -66.868 $\pm$ 0.817  $\chi^2$ /NDF: 660.9/14

In: -63.949 $\pm$ 1.207  $\chi^2$ /NDF:322.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -66.868 $\pm$ 0.817  $\chi^2$ /NDF: 660.9/14

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -9.894+/-0.853  $\chi^2/\text{NDF}$ : 434.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.192+/-0.822  $\chi^2/\text{NDF}$ : 571.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -7.456+/-0.592  $\chi^2/\text{NDF}$ : 1021.8/14

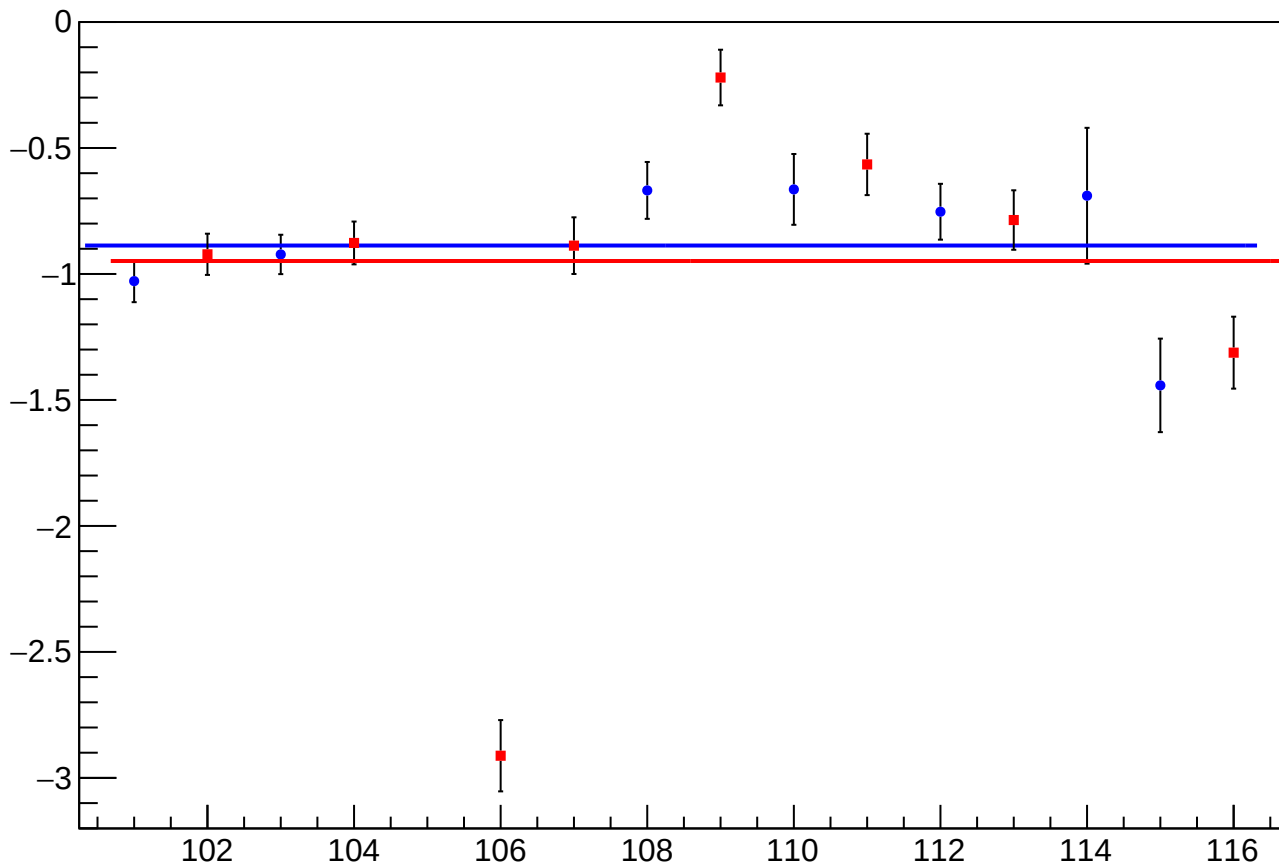
In: -9.894+/-0.853  $\chi^2/\text{NDF}$ : 434.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -7.456+/-0.592  $\chi^2/\text{NDF}$ : 1021.8/14



reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.887 \pm 0.042$   $\chi^2/\text{NDF}$ : 20.3/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.948 \pm 0.038$   $\chi^2/\text{NDF}$ : 255.6/7

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

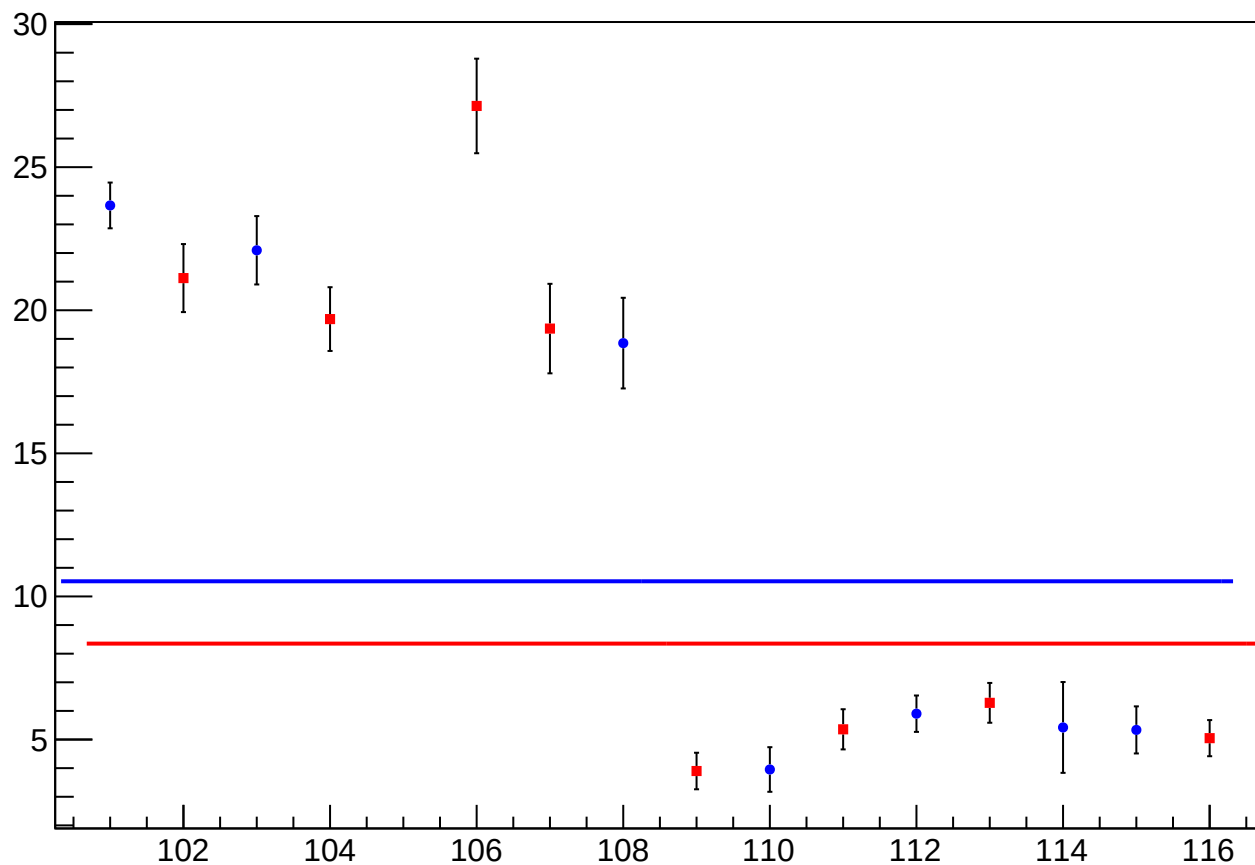
Right:  $-0.921 \pm 0.028$   $\chi^2/\text{NDF}$ : 277.0/14

In:  $-0.887 \pm 0.042$   $\chi^2/\text{NDF}$ : 20.3/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.921 \pm 0.028$   $\chi^2/\text{NDF}$ : 277.0/14

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 0.340  $\chi^2$ /NDF: 565.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 8.352 $\pm$ 0.297  $\chi^2$ /NDF: 501.0/7

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

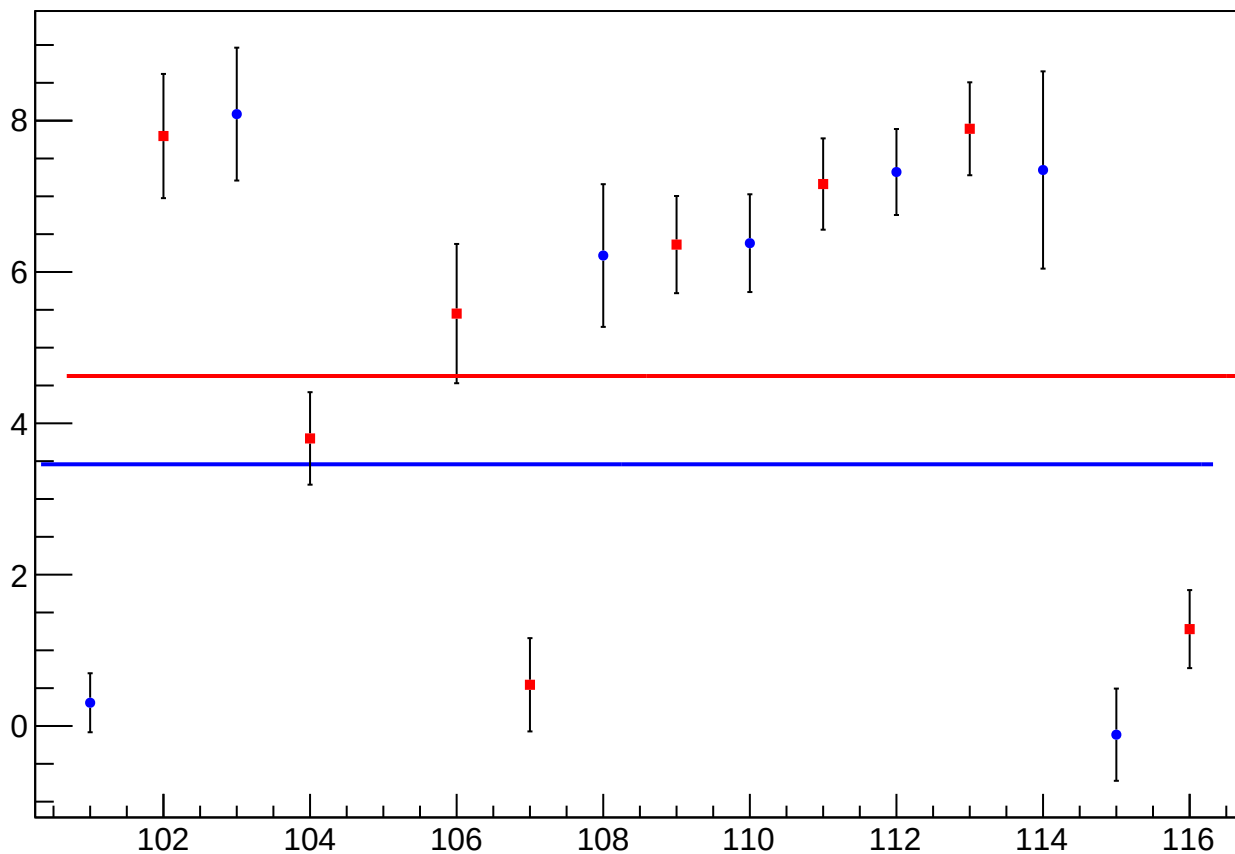
Right: 9.294 $\pm$ 0.224  $\chi^2$ /NDF: 1089.9/14

In: 10.530 $\pm$ 0.340  $\chi^2$ /NDF: 565.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 9.294 $\pm$ 0.224  $\chi^2$ /NDF: 1089.9/14

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.459+/-0.237  $\chi^2/\text{NDF}$ : 211.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.625+/-0.226  $\chi^2/\text{NDF}$ : 156.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

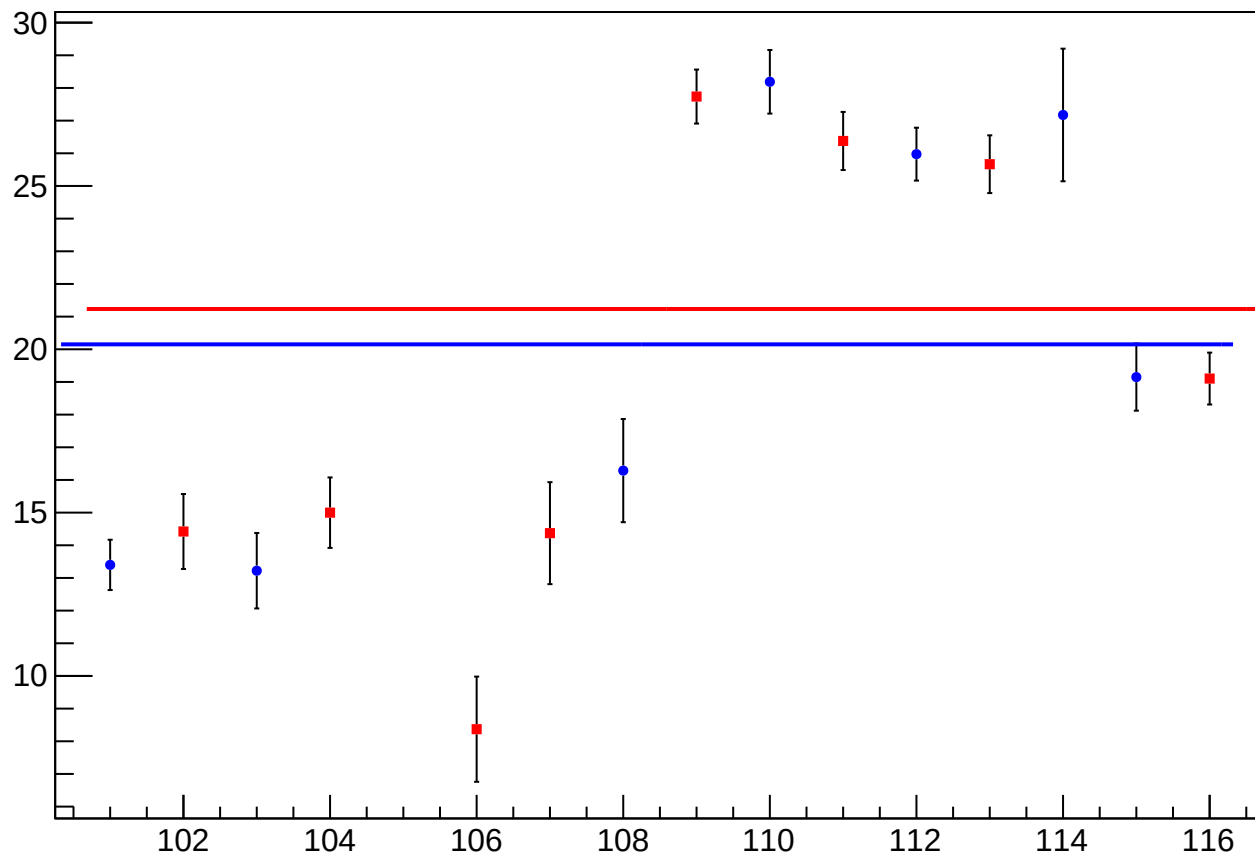
Right: 4.070+/-0.164  $\chi^2/\text{NDF}$ : 381.1/14

In: 3.459+/-0.237  $\chi^2/\text{NDF}$ : 211.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.070+/-0.164  $\chi^2/\text{NDF}$ : 381.1/14

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 20.151+/-0.389  $\chi^2/\text{NDF}$ : 251.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.234+/-0.353  $\chi^2/\text{NDF}$ : 279.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

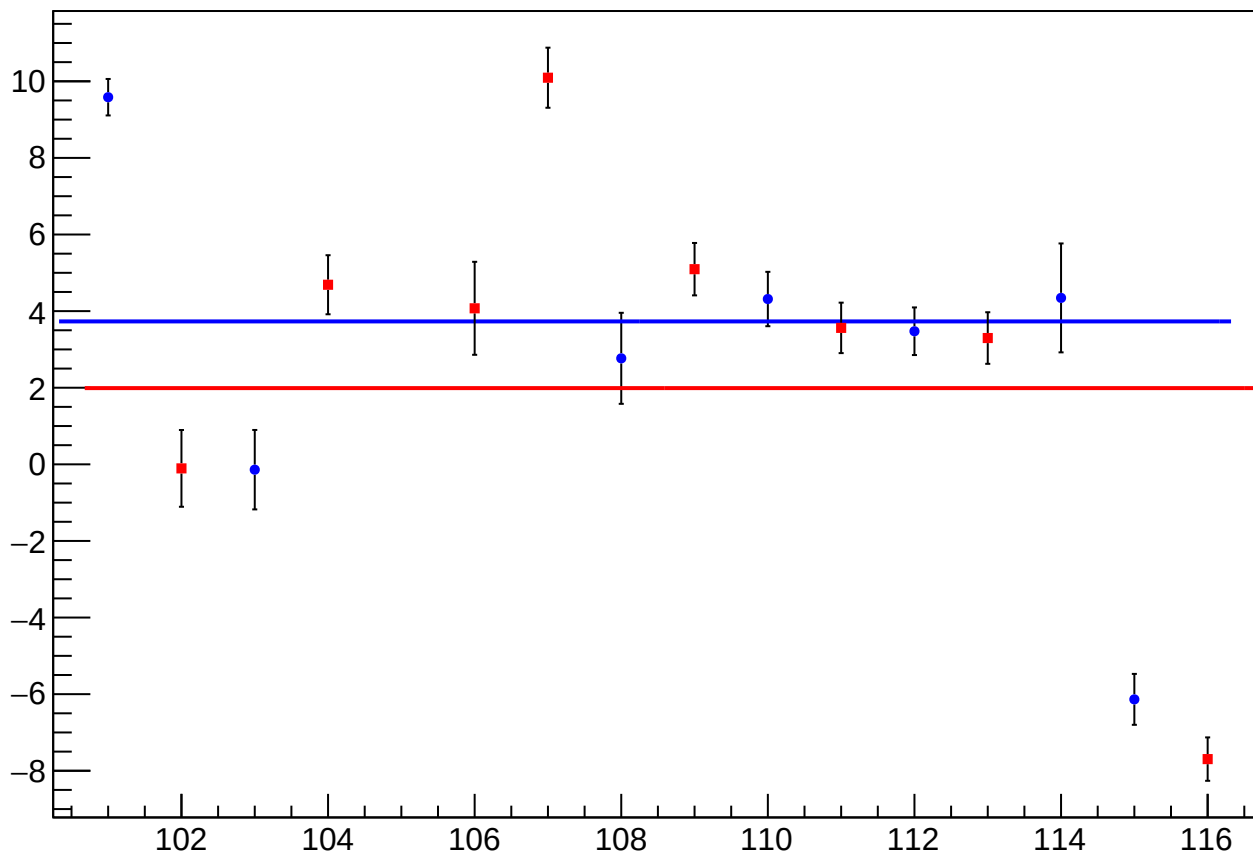
Right: 20.744+/-0.262  $\chi^2/\text{NDF}$ : 535.3/14

In: 20.151+/-0.389  $\chi^2/\text{NDF}$ : 251.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 20.744+/-0.262  $\chi^2/\text{NDF}$ : 535.3/14

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 3.731 $\pm$ 0.273  $\chi^2$ /NDF: 387.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.990 $\pm$ 0.260  $\chi^2$ /NDF: 448.7/7

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

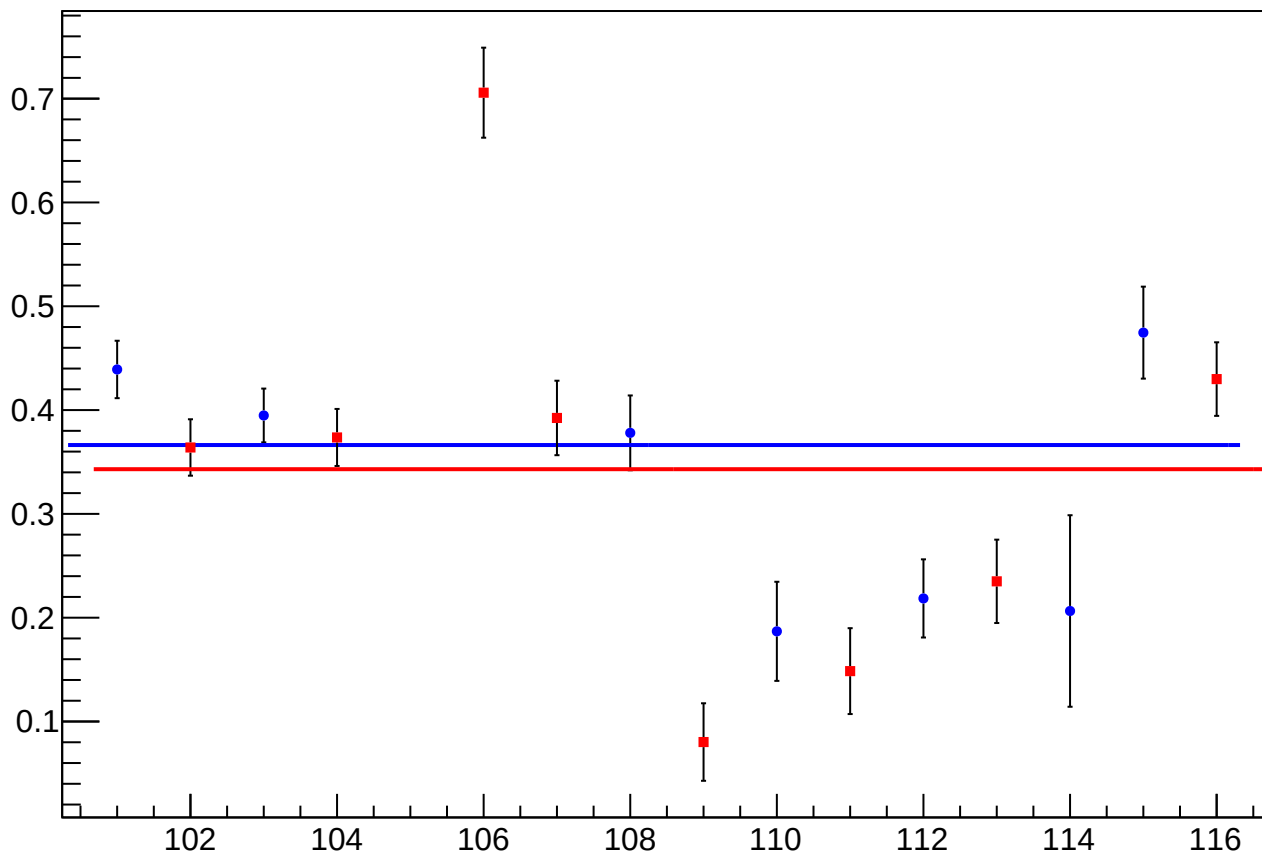
Right: 2.818 $\pm$ 0.189  $\chi^2$ /NDF: 857.1/14

In: 3.731 $\pm$ 0.273  $\chi^2$ /NDF:387.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.818 $\pm$ 0.189  $\chi^2$ /NDF: 857.1/14

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.366 $\pm$ 0.014  $\chi^2$ /NDF: 46.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.343 $\pm$ 0.012  $\chi^2$ /NDF: 158.6/7

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

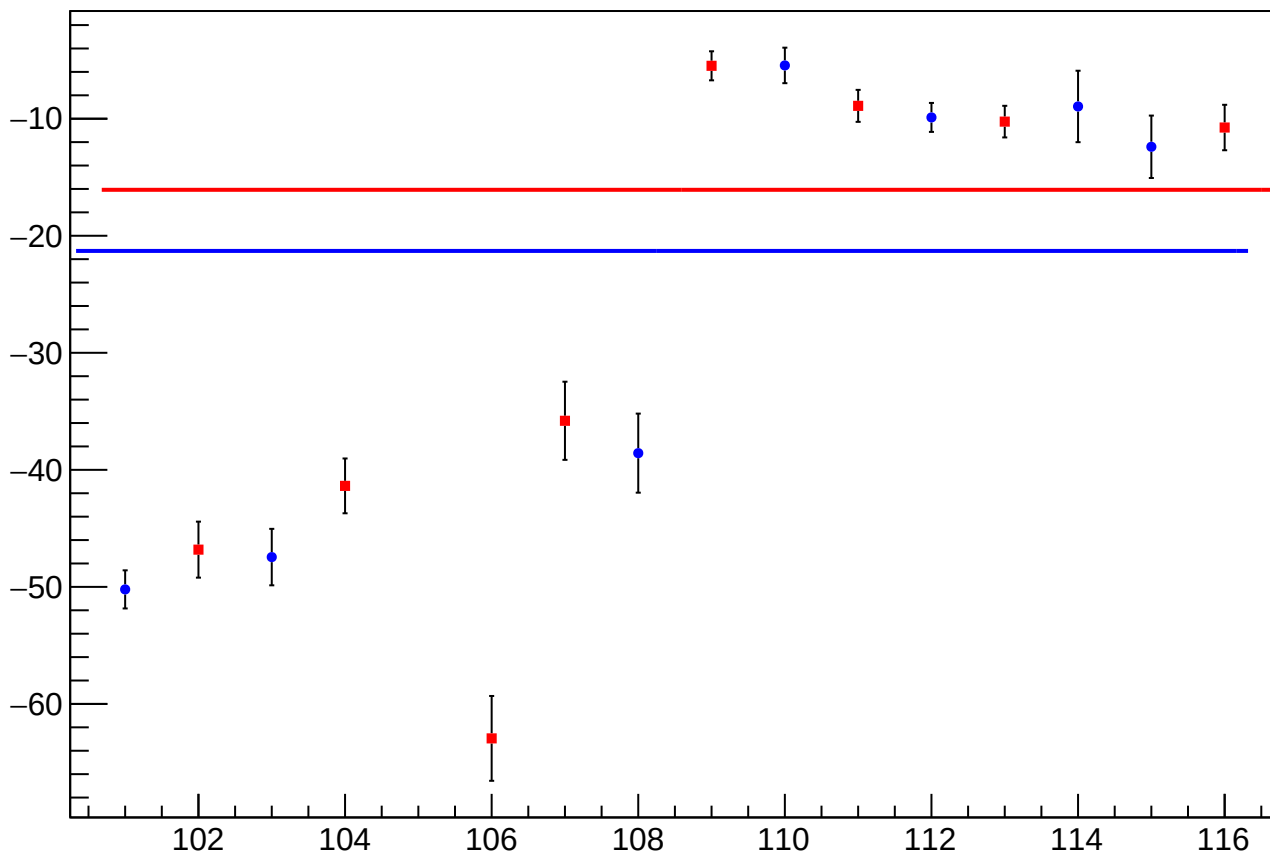
Right: 0.353 $\pm$ 0.009  $\chi^2$ /NDF: 207.0/14

In: 0.366 $\pm$ 0.014  $\chi^2$ /NDF:46.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.353 $\pm$ 0.009  $\chi^2$ /NDF: 207.0/14

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -21.296+/-0.712  $\chi^2/\text{NDF}$ : 680.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -16.074+/-0.630  $\chi^2/\text{NDF}$ : 610.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

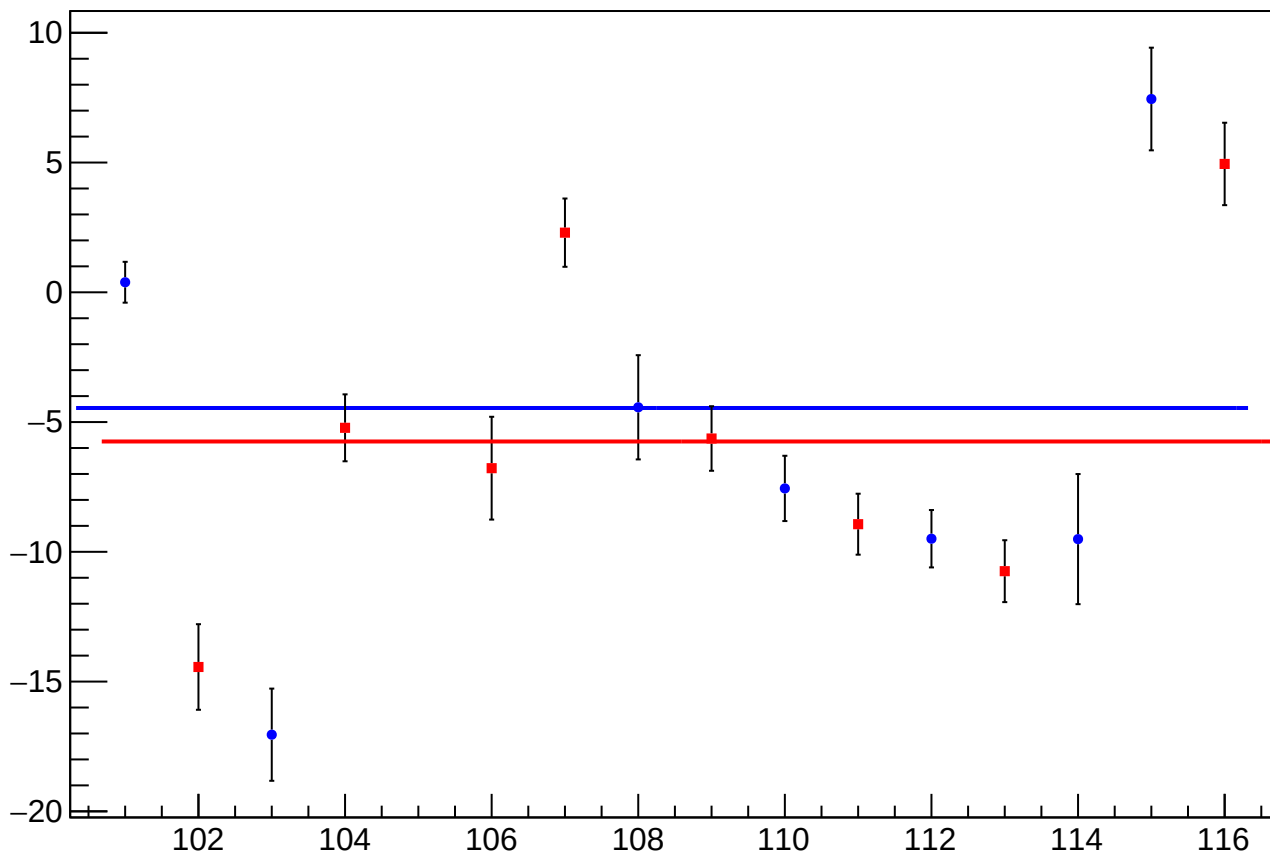
Right: -18.366+/-0.472  $\chi^2/\text{NDF}$ : 1321.4/14

In: -21.296+/-0.712  $\chi^2/\text{NDF}$ :680.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -18.366+/-0.472  $\chi^2/\text{NDF}$ : 1321.4/14

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -4.458+/-0.497  $\chi^2/\text{NDF}$ : 155.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.748+/-0.484  $\chi^2/\text{NDF}$ : 135.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -5.121+/-0.347  $\chi^2/\text{NDF}$ : 294.6/14

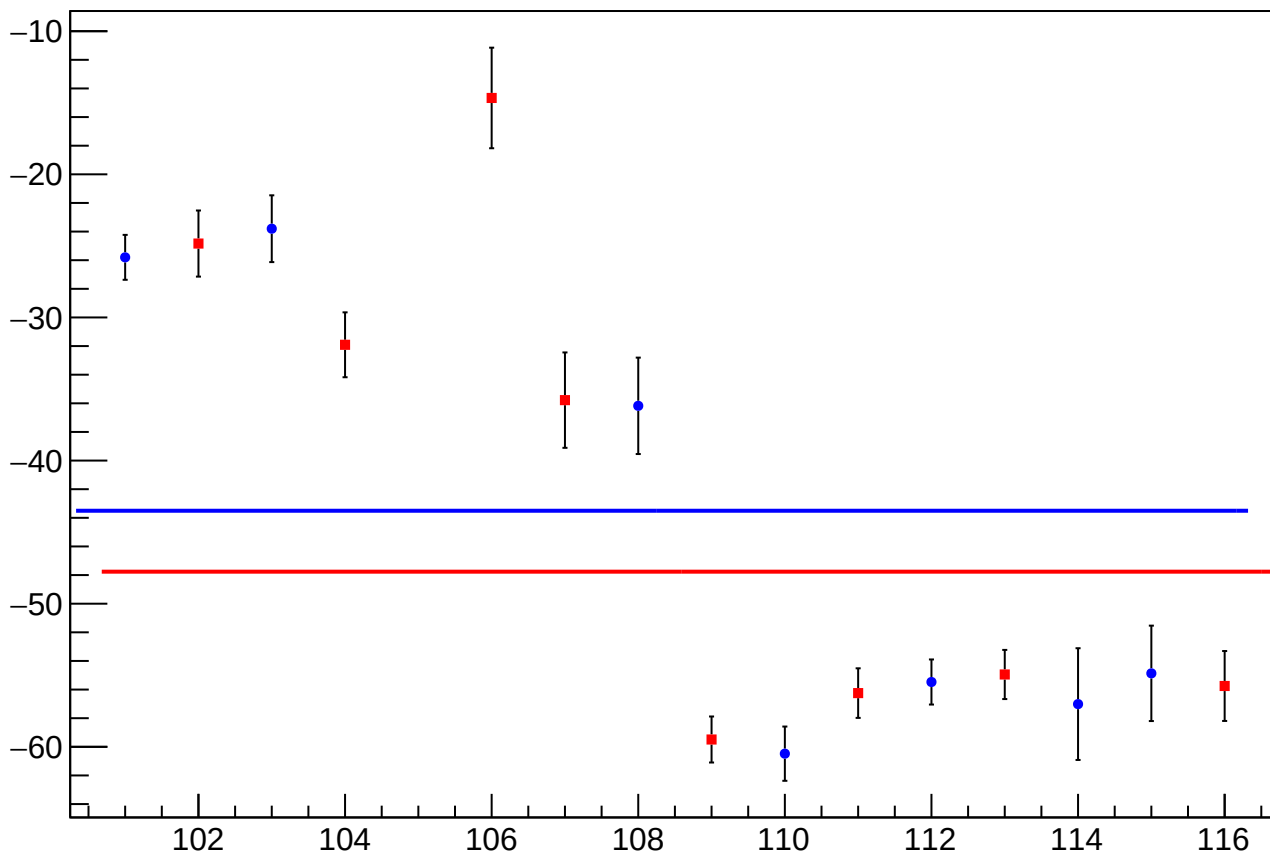
In: -4.458+/-0.497  $\chi^2/\text{NDF}$ : 155.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.121+/-0.347  $\chi^2/\text{NDF}$ : 294.6/14



reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -43.506+/-0.812  $\chi^2/\text{NDF}$ : 364.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -47.762+/-0.749  $\chi^2/\text{NDF}$ : 354.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

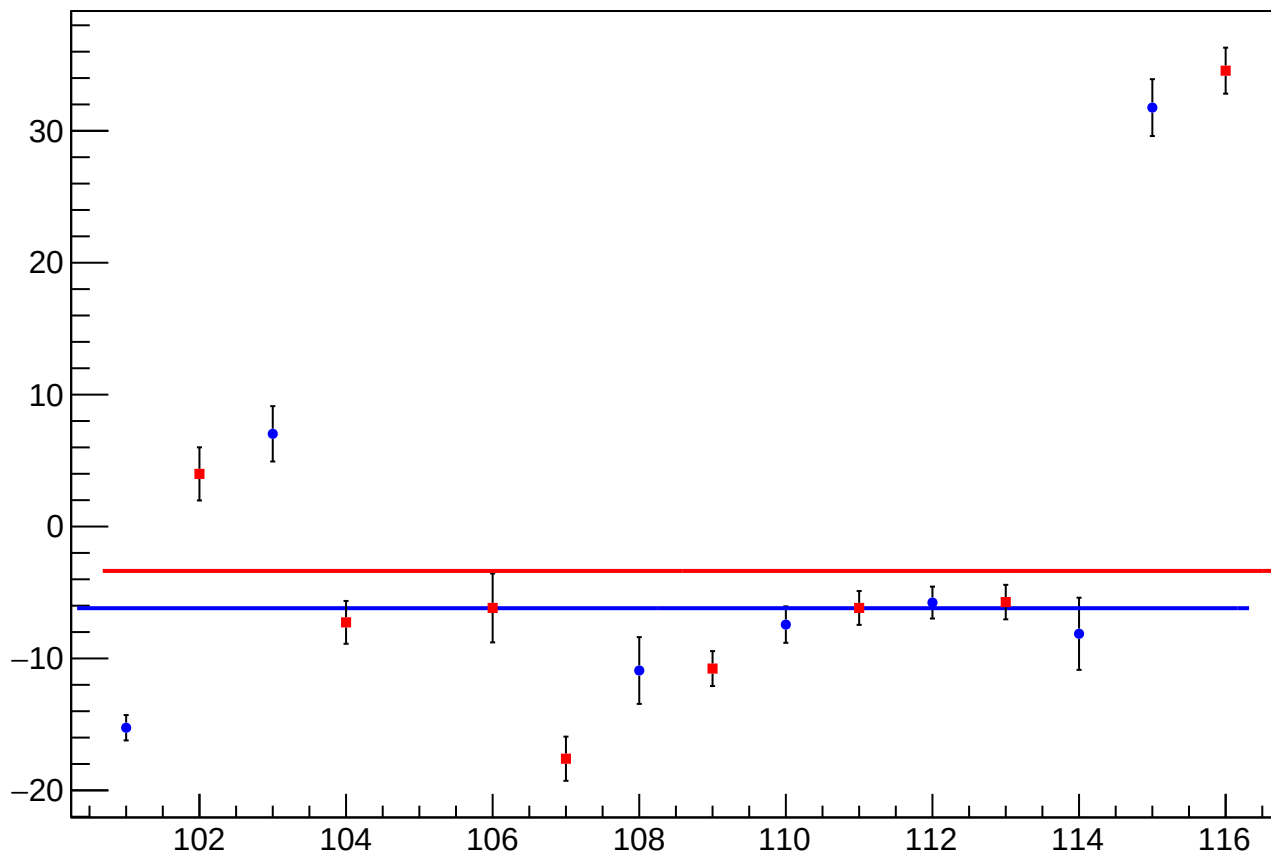
Right: -45.805+/-0.551  $\chi^2/\text{NDF}$ : 734.2/14

In: -43.506+/-0.812  $\chi^2/\text{NDF}$ : 364.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -45.805+/-0.551  $\chi^2/\text{NDF}$ : 734.2/14

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -6.190+/-0.575  $\chi^2/\text{NDF}$ : 443.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -3.364+/-0.557  $\chi^2/\text{NDF}$ : 604.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

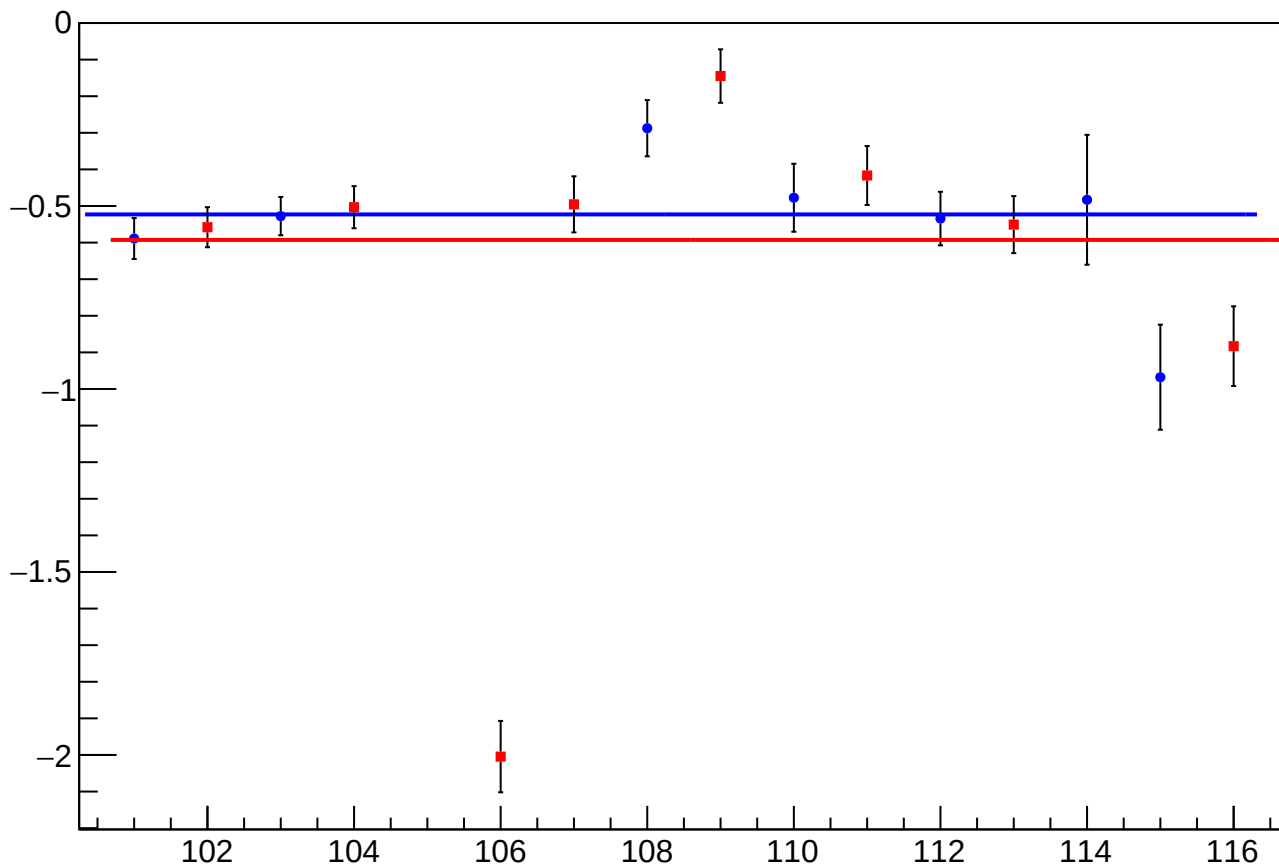
Right: -4.732+/-0.400  $\chi^2/\text{NDF}$ : 1060.5/14

In: -6.190+/-0.575  $\chi^2/\text{NDF}$ :443.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -4.732+/-0.400  $\chi^2/\text{NDF}$ : 1060.5/14

reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.523+/-0.028  $\chi^2/\text{NDF}$ : 20.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.593+/-0.026  $\chi^2/\text{NDF}$ : 263.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

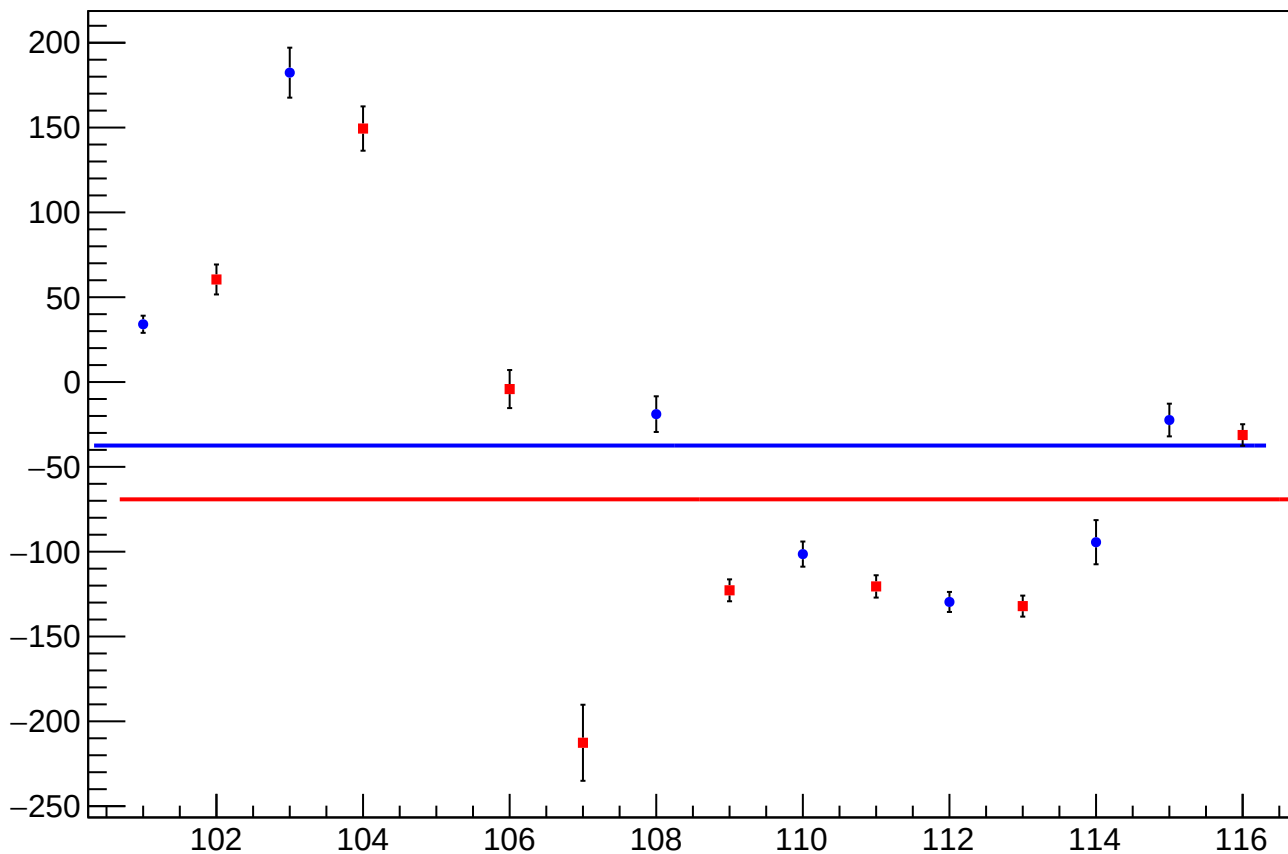
Right: -0.561+/-0.019  $\chi^2/\text{NDF}$ : 287.7/14

In: -0.523+/-0.028  $\chi^2/\text{NDF}$ : 20.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.561+/-0.019  $\chi^2/\text{NDF}$ : 287.7/14

reg\_asym\_atl1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-37.434 \pm 2.931$   $\chi^2/\text{NDF}$ : 765.7/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-69.149 \pm 2.812$   $\chi^2/\text{NDF}$ : 838.4/7

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

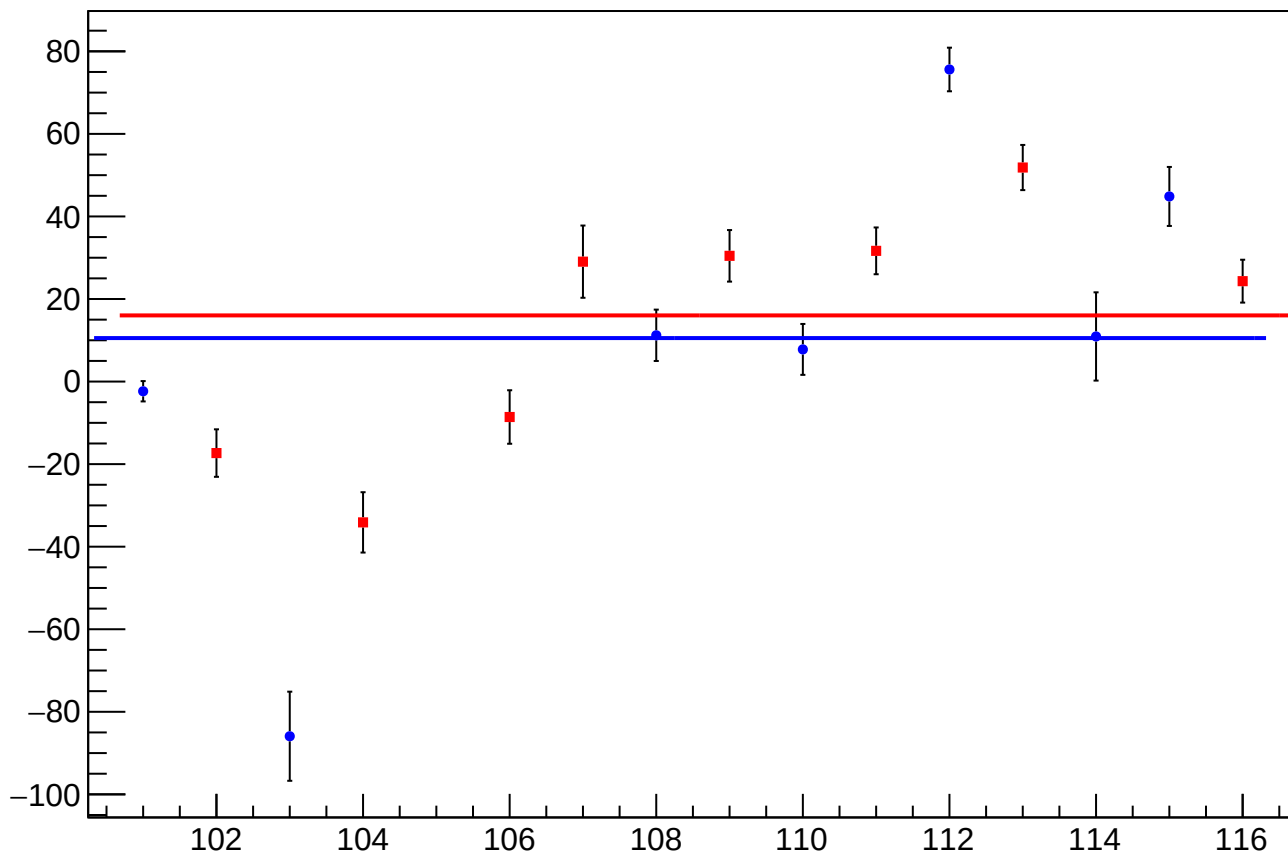
Right:  $-53.949 \pm 2.029$   $\chi^2/\text{NDF}$ : 1665.1/14

In:  $-37.434 \pm 2.931$   $\chi^2/\text{NDF}$ : 765.7/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-53.949 \pm 2.029$   $\chi^2/\text{NDF}$ : 1665.1/14

reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.536 $\pm$ 1.858  $\chi^2$ /NDF: 282.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 16.027 $\pm$ 2.166  $\chi^2$ /NDF: 155.7/7

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

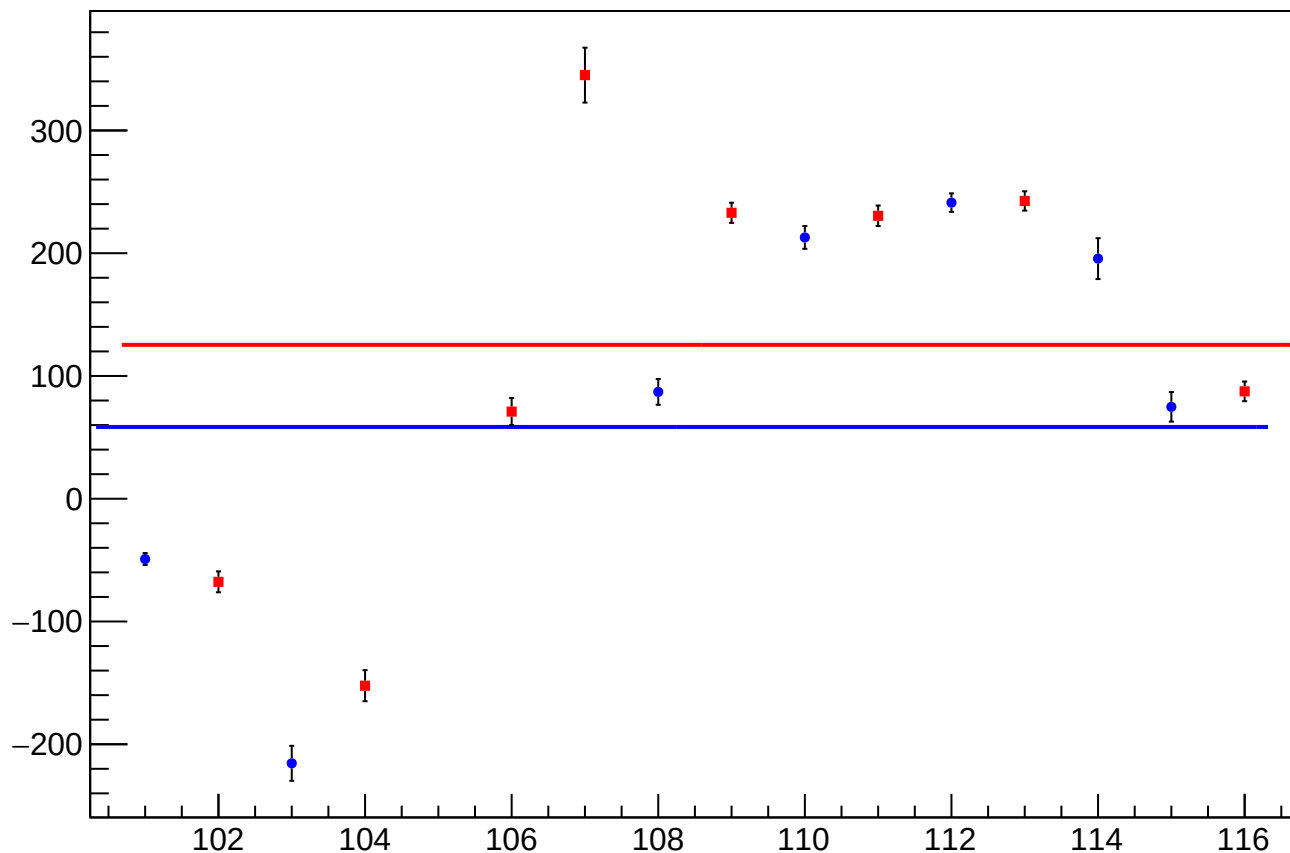
Right: 12.863 $\pm$ 1.410  $\chi^2$ /NDF: 441.5/14

In: 10.536 $\pm$ 1.858  $\chi^2$ /NDF:282.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 12.863 $\pm$ 1.410  $\chi^2$ /NDF: 441.5/14

reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 58.481+/-3.227  $\chi^2/\text{NDF}$ : 1803.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 125.366+/-3.312  $\chi^2/\text{NDF}$ : 1690.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

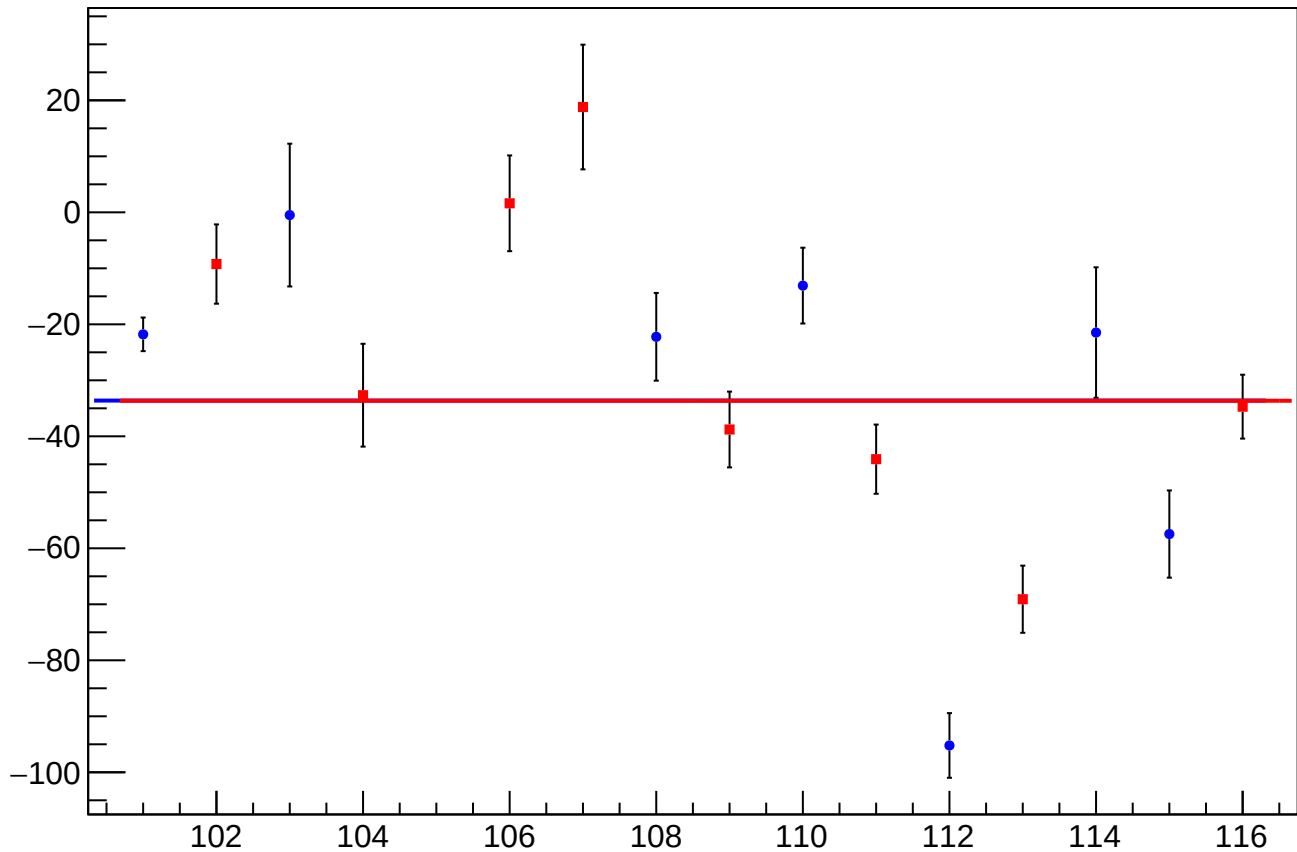
Right: 91.048+/-2.311  $\chi^2/\text{NDF}$ : 3703.2/14

In: 58.481+/-3.227  $\chi^2/\text{NDF}$ : 1803.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 91.048+/-2.311  $\chi^2/\text{NDF}$ : 3703.2/14

reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -33.616 $\pm$ 2.187  $\chi^2$ /NDF: 157.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -33.648 $\pm$ 2.499  $\chi^2$ /NDF: 89.5/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

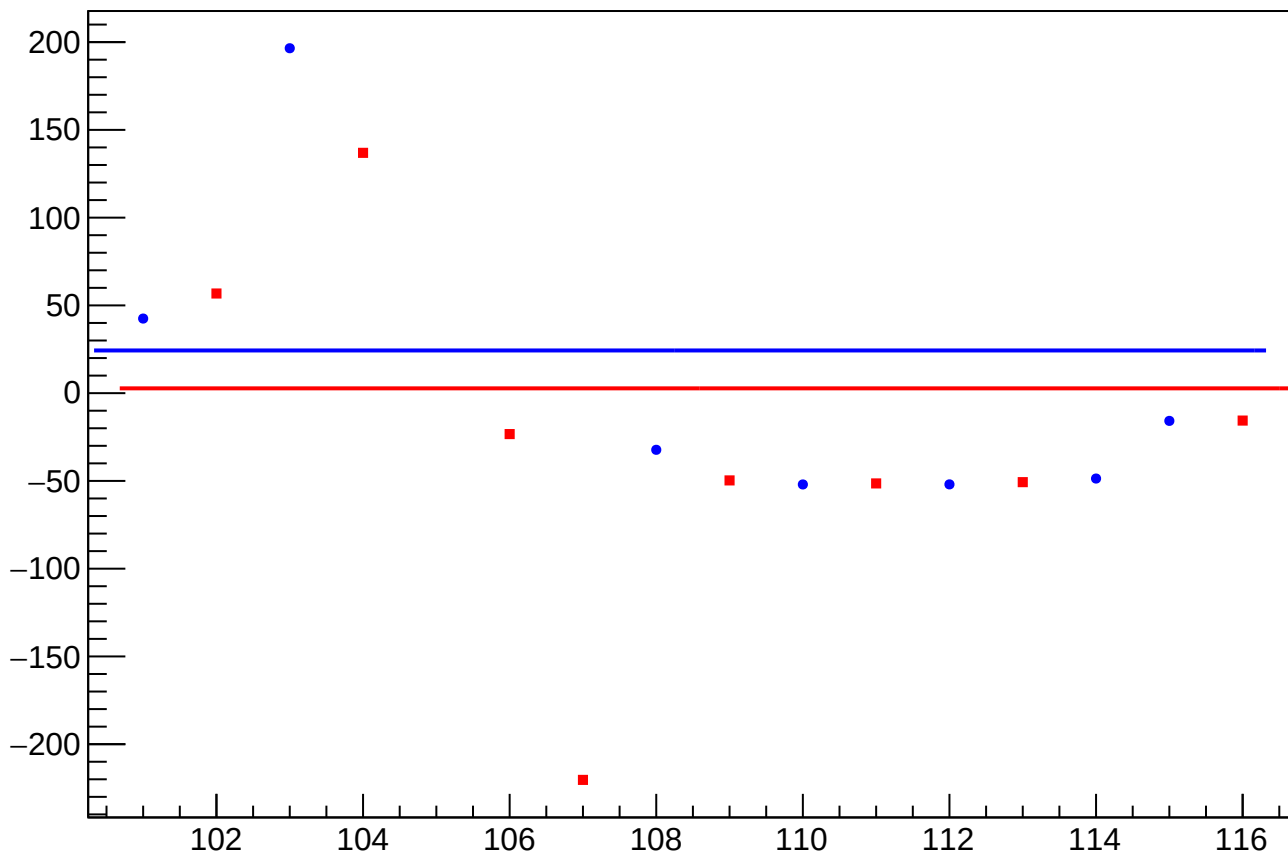
Right: -33.630 $\pm$ 1.646  $\chi^2$ /NDF: 247.3/14

In: -33.616 $\pm$ 2.187  $\chi^2$ /NDF:157.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -33.630 $\pm$ 1.646  $\chi^2$ /NDF: 247.3/14

reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 24.329+/-0.113  $\chi^2/\text{NDF}$ : 449521.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.737+/-0.111  $\chi^2/\text{NDF}$ : 509133.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 13.372+/-0.079  $\chi^2/\text{NDF}$ : 977301.9/14

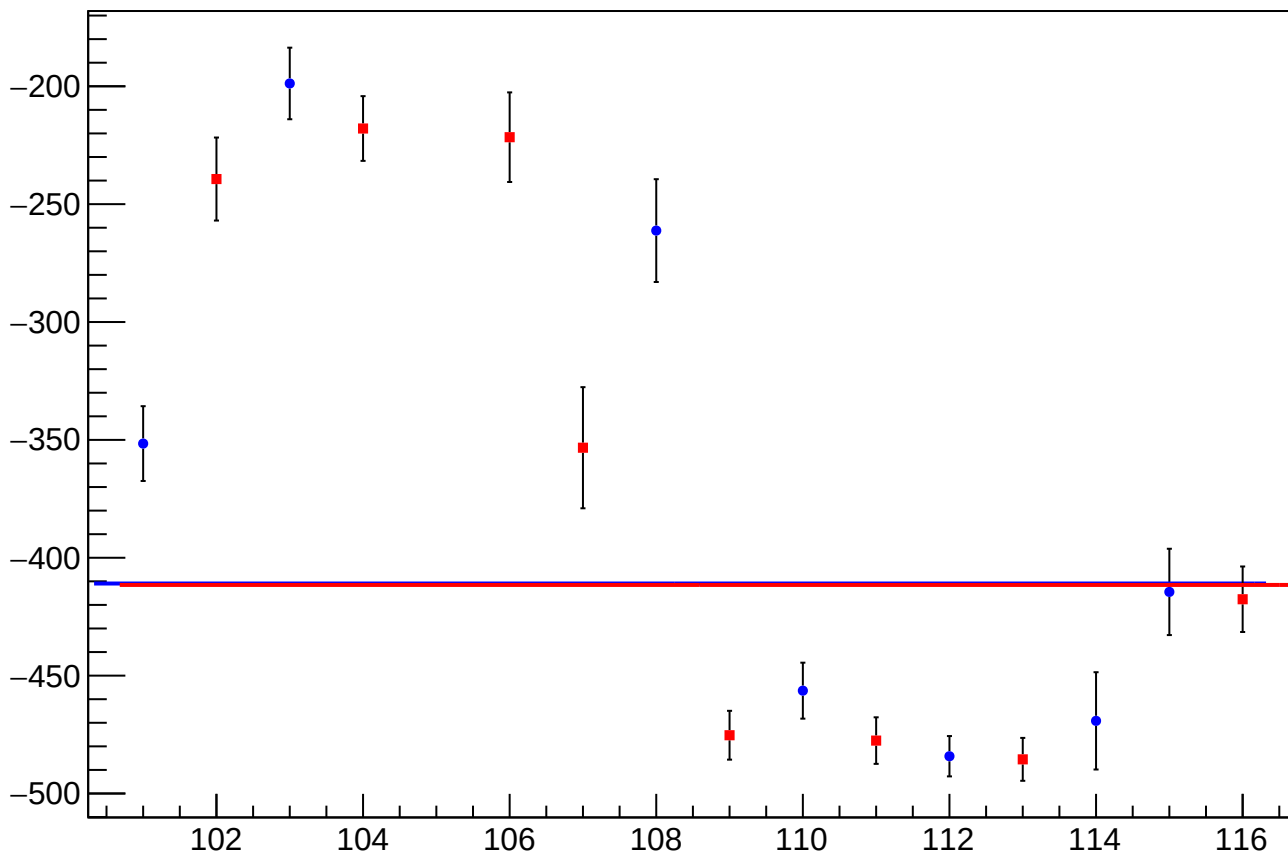
In: 24.329+/-0.113  $\chi^2/\text{NDF}$ : 449521.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

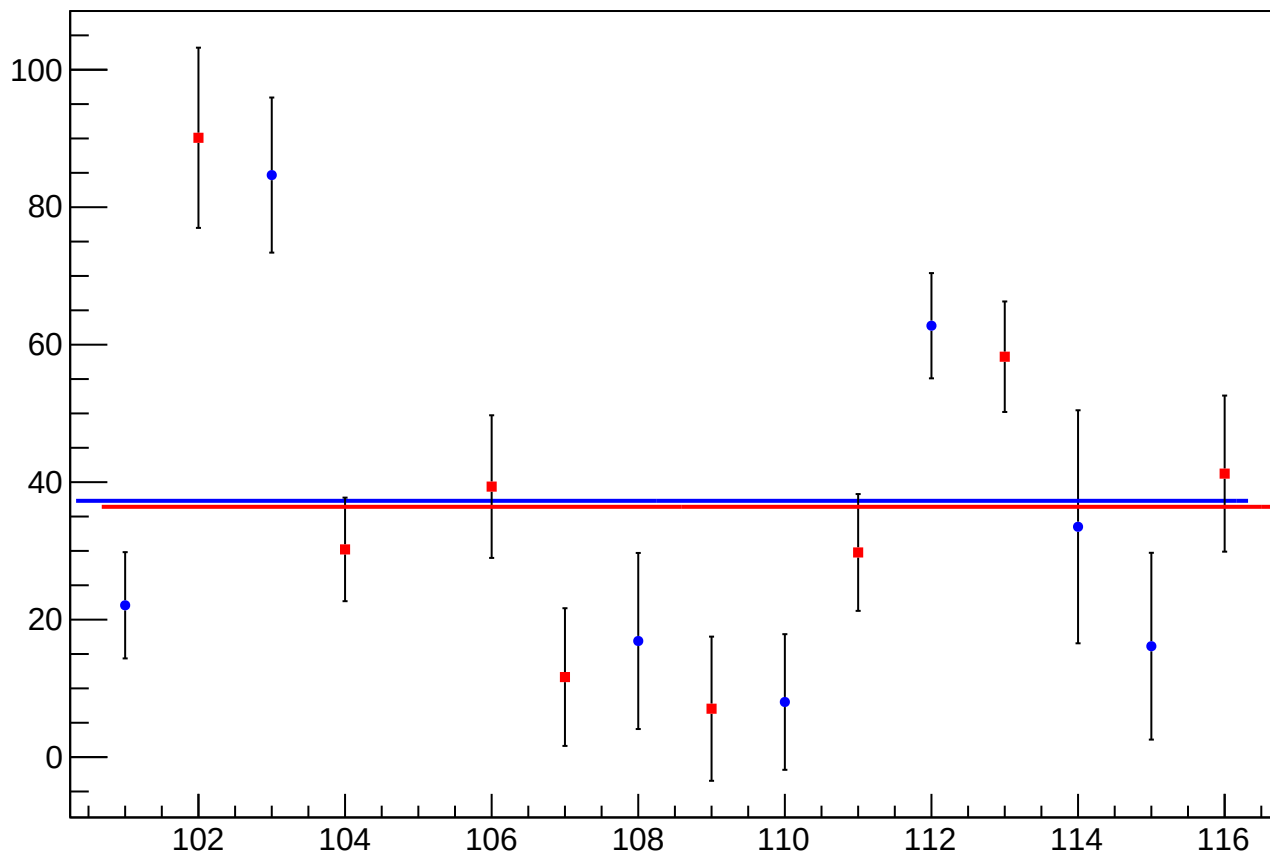
All: 13.372+/-0.079  $\chi^2/\text{NDF}$ : 977301.9/14



reg\_asym\_atl2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 37.286 $\pm$ 3.866  $\chi^2$ /NDF: 46.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 36.413 $\pm$ 3.354  $\chi^2$ /NDF: 39.7/7

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

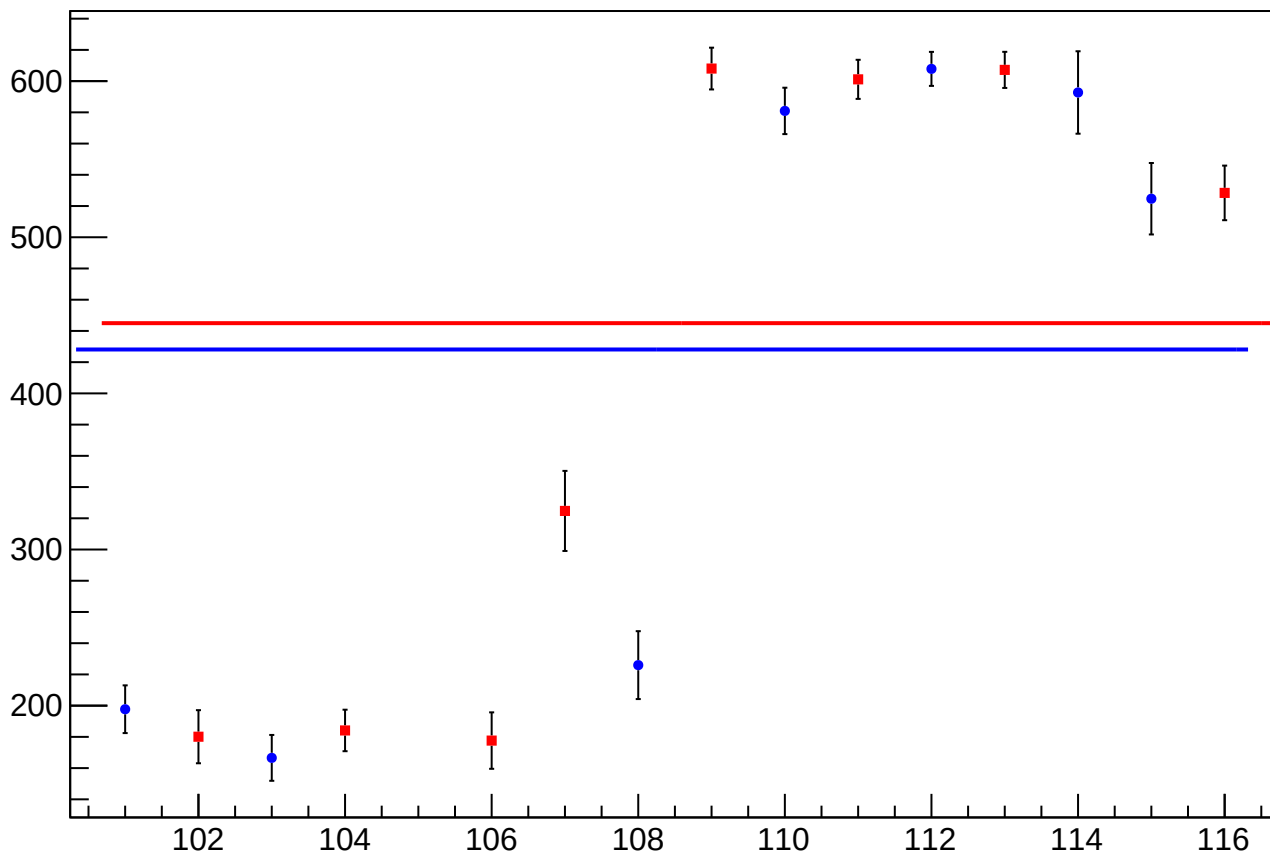
Right: 36.788 $\pm$ 2.533  $\chi^2$ /NDF: 86.1/14

In: 37.286 $\pm$ 3.866  $\chi^2$ /NDF:46.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 36.788 $\pm$ 2.533  $\chi^2$ /NDF: 86.1/14

reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 428.116+/-6.048  $\chi^2/\text{NDF}$ : 1065.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 444.979+/-5.241  $\chi^2/\text{NDF}$ : 1392.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

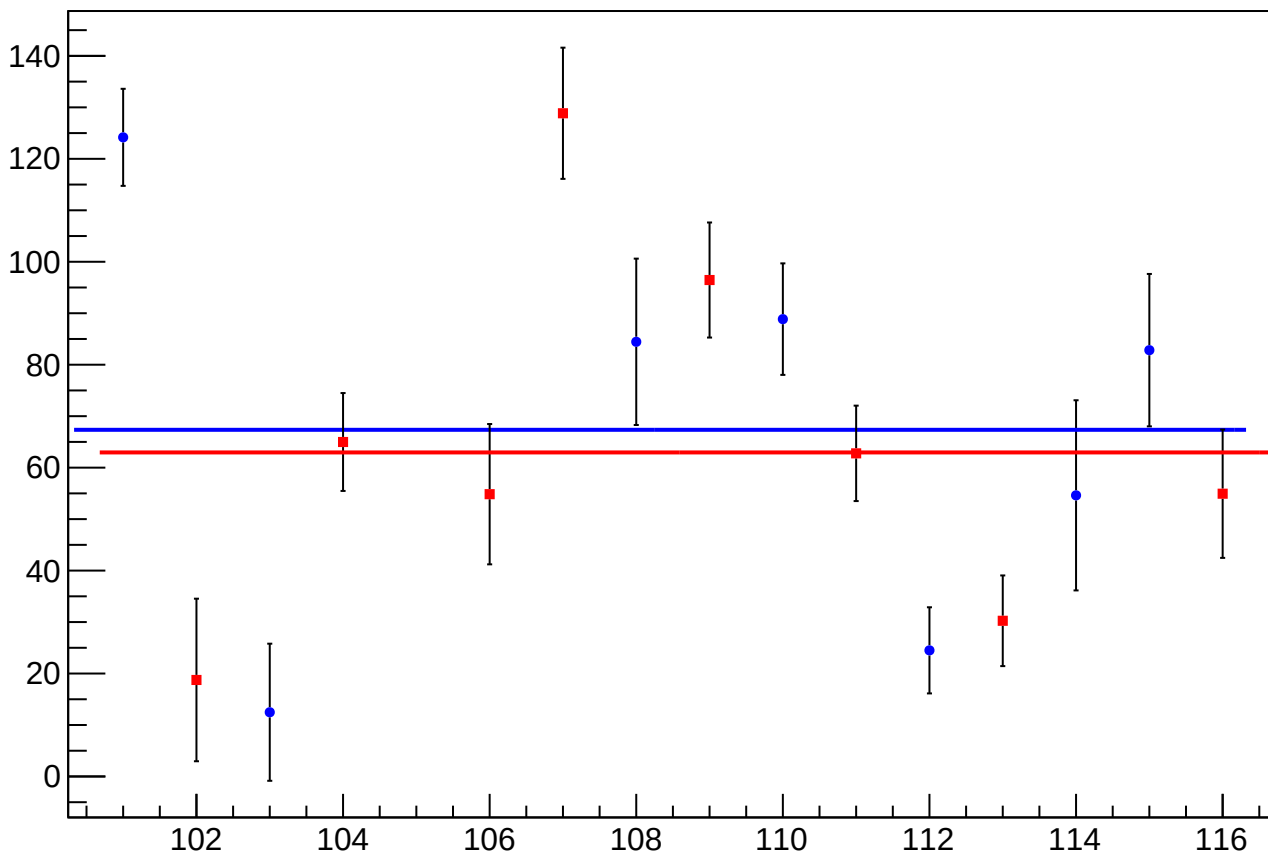
Right: 437.748+/-3.961  $\chi^2/\text{NDF}$ : 2462.2/14

In: 428.116+/-6.048  $\chi^2/\text{NDF}$ : 1065.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 437.748+/-3.961  $\chi^2/\text{NDF}$ : 2462.2/14

reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 67.352 $\pm$ 4.428  $\chi^2$ /NDF: 86.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 62.956 $\pm$ 3.905  $\chi^2$ /NDF: 58.2/7

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

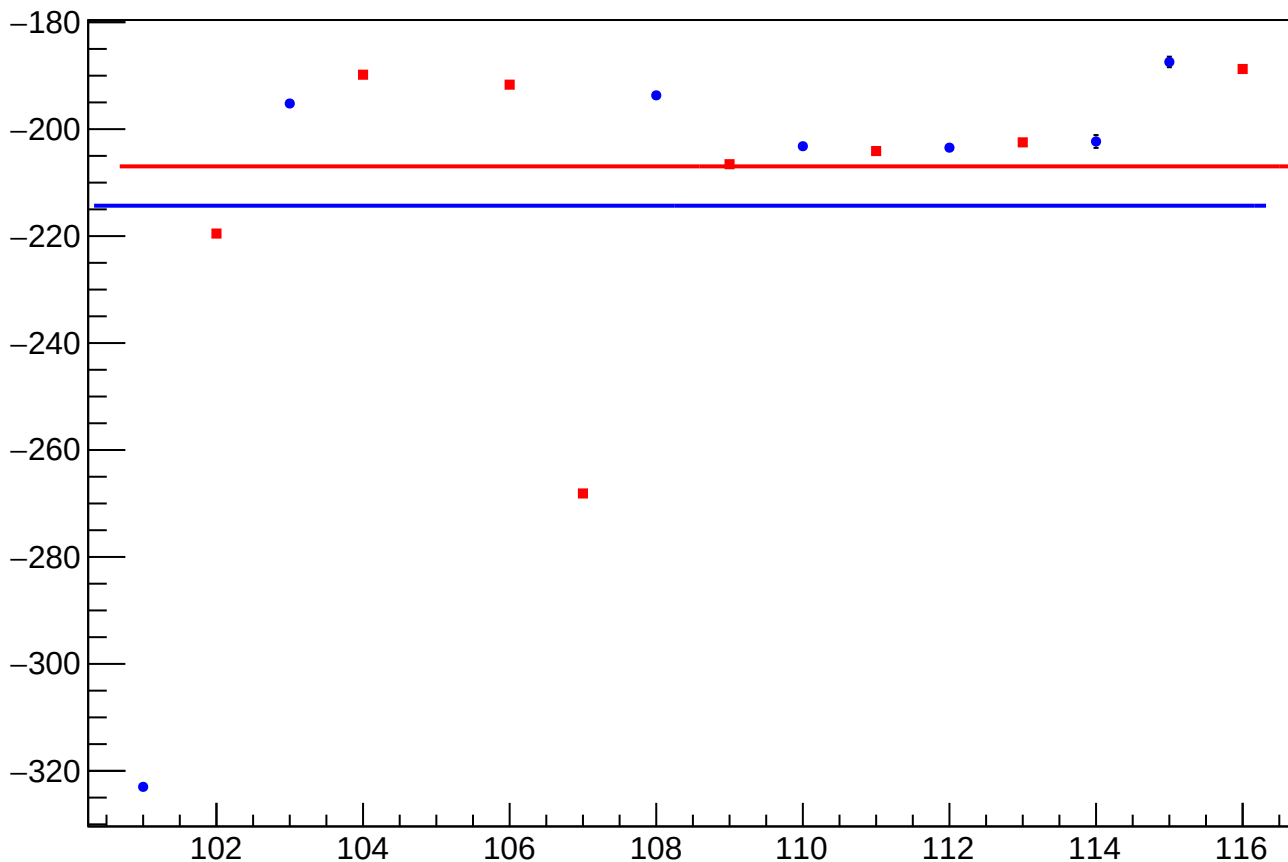
Right: 64.879 $\pm$ 2.929  $\chi^2$ /NDF: 144.8/14

In: 67.352 $\pm$ 4.428  $\chi^2$ /NDF:86.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 64.879 $\pm$ 2.929  $\chi^2$ /NDF: 144.8/14

reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -214.316+/-0.204  $\chi^2/\text{NDF}$ : 45554.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -206.961+/-0.176  $\chi^2/\text{NDF}$ : 15760.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

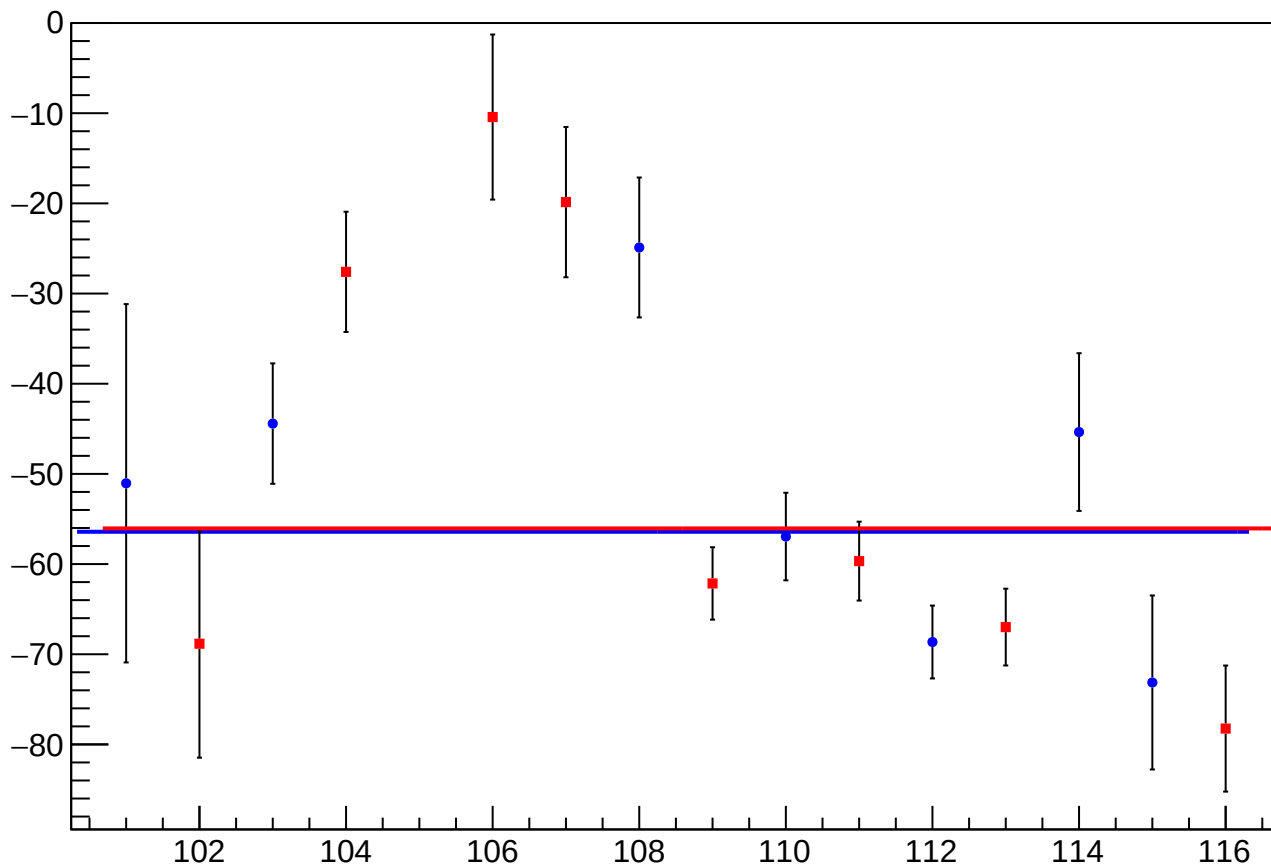
Right: -210.093+/-0.133  $\chi^2/\text{NDF}$ : 62061.3/14

In: -214.316+/-0.204  $\chi^2/\text{NDF}$ : 45554.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -210.093+/-0.133  $\chi^2/\text{NDF}$ : 62061.3/14

reg\_asym\_atr1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -56.417+/-2.432  $\chi^2/\text{NDF}$ : 33.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -56.048+/-2.020  $\chi^2/\text{NDF}$ : 82.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

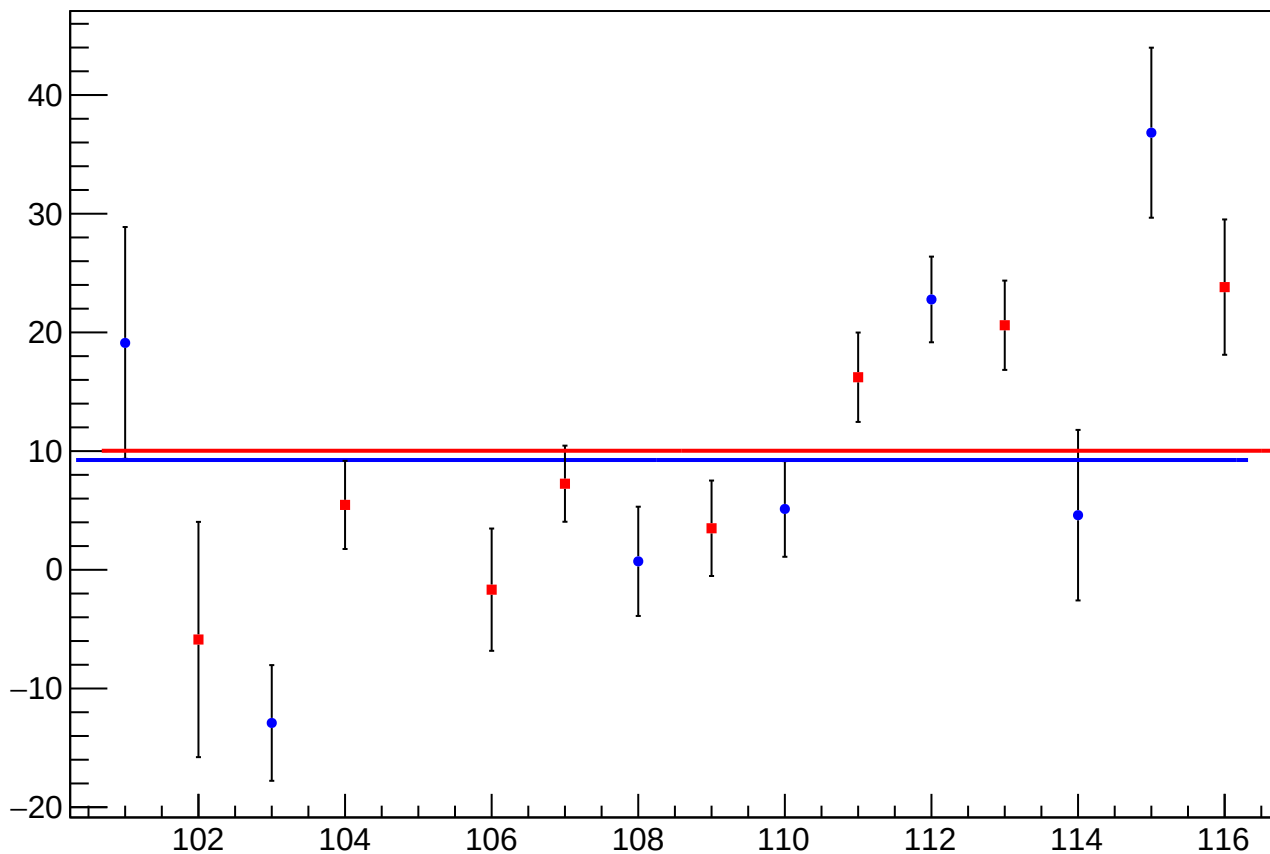
Right: -56.199+/-1.554  $\chi^2/\text{NDF}$ : 116.2/14

In: -56.417+/-2.432  $\chi^2/\text{NDF}$ : 33.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -56.199+/-1.554  $\chi^2/\text{NDF}$ : 116.2/14

reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.250+/-1.900  $\chi^2/\text{NDF}$ : 55.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.030+/-1.488  $\chi^2/\text{NDF}$ : 29.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

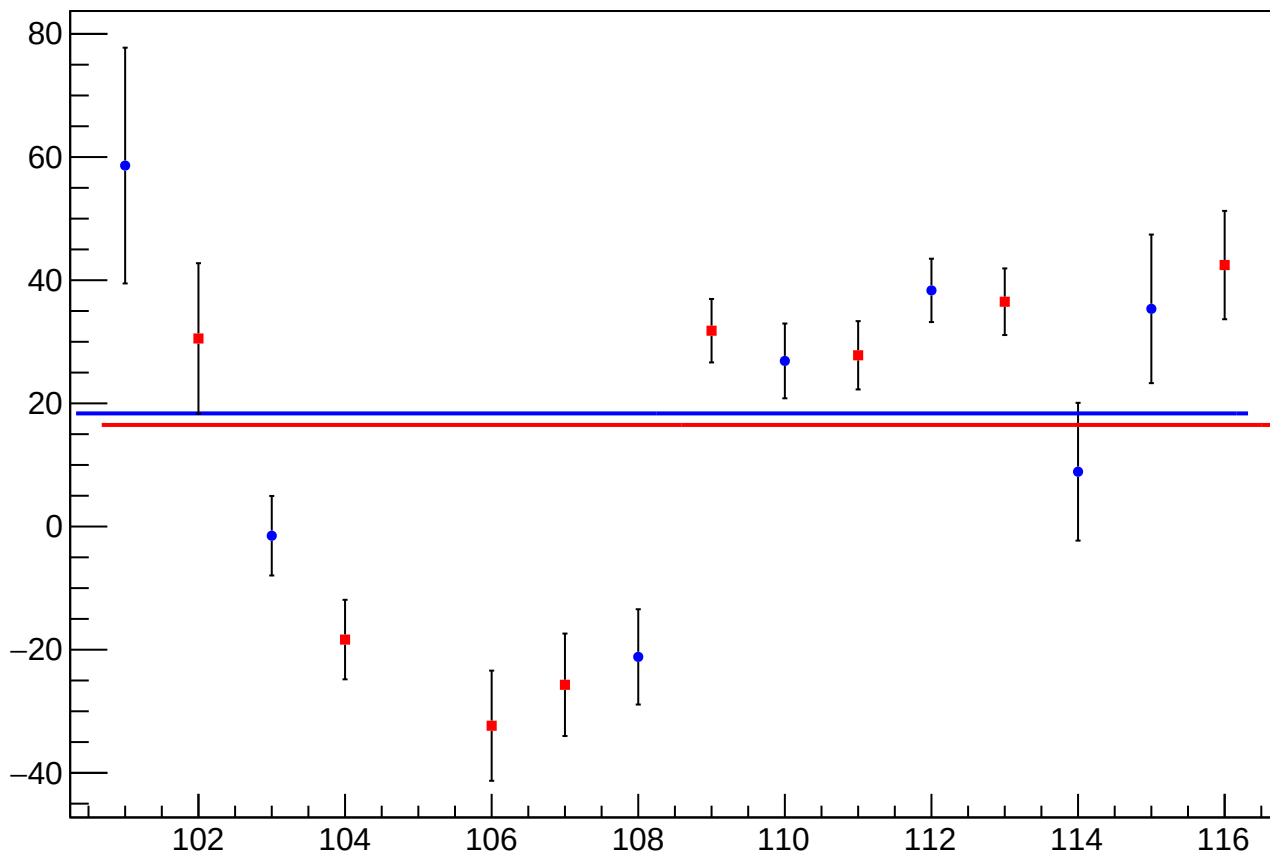
Right: 9.734+/-1.172  $\chi^2/\text{NDF}$ : 84.7/14

In: 9.250+/-1.900  $\chi^2/\text{NDF}$ : 55.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.734+/-1.172  $\chi^2/\text{NDF}$ : 84.7/14

reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 18.370 $\pm$ 2.849  $\chi^2$ /NDF: 59.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 16.498 $\pm$ 2.391  $\chi^2$ /NDF: 121.4/7

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: 17.271 $\pm$ 1.832  $\chi^2$ /NDF: 181.4/14

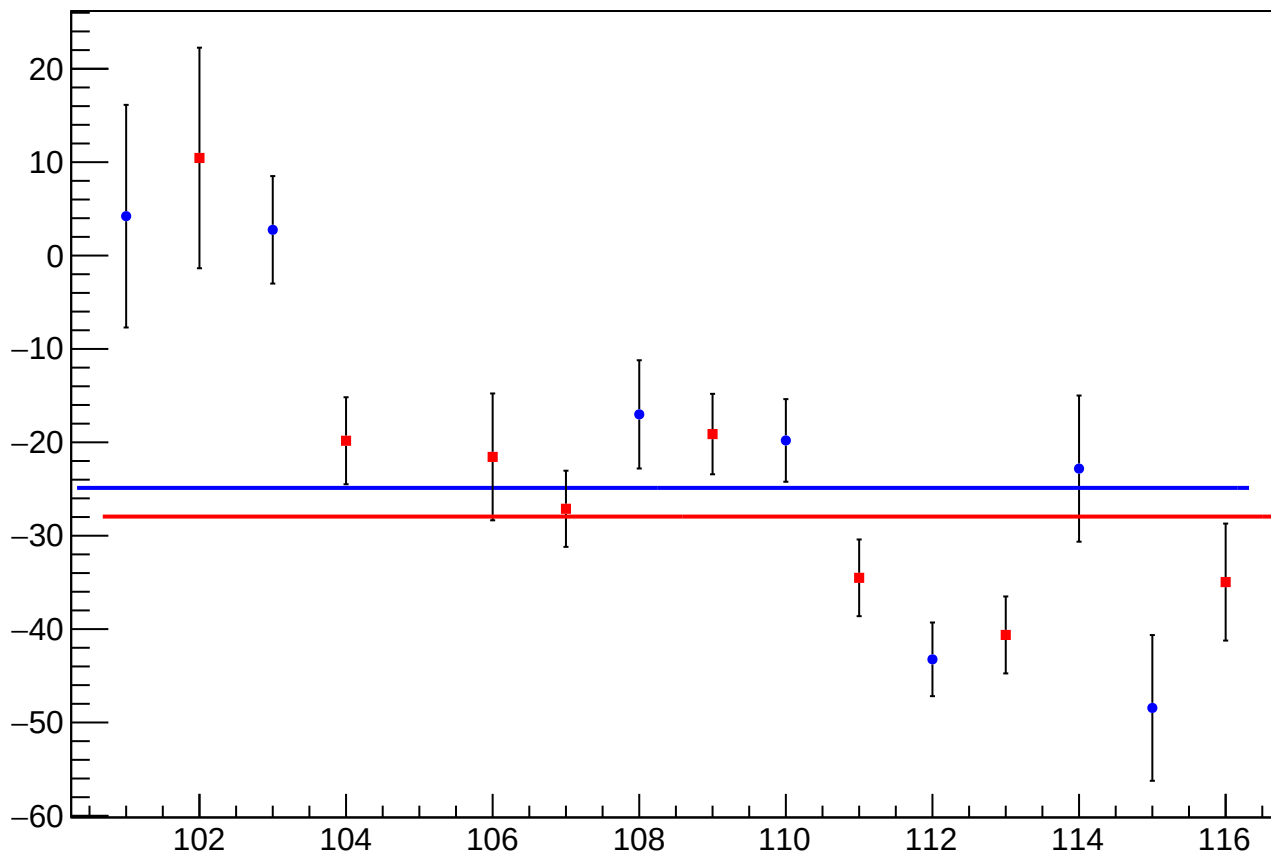
In: 18.370 $\pm$ 2.849  $\chi^2$ /NDF: 59.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.271 $\pm$ 1.832  $\chi^2$ /NDF: 181.4/14



reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-24.879 \pm 2.156$   $\chi^2/\text{NDF}$ : 63.0/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-27.950 \pm 1.734$   $\chi^2/\text{NDF}$ : 32.0/7

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

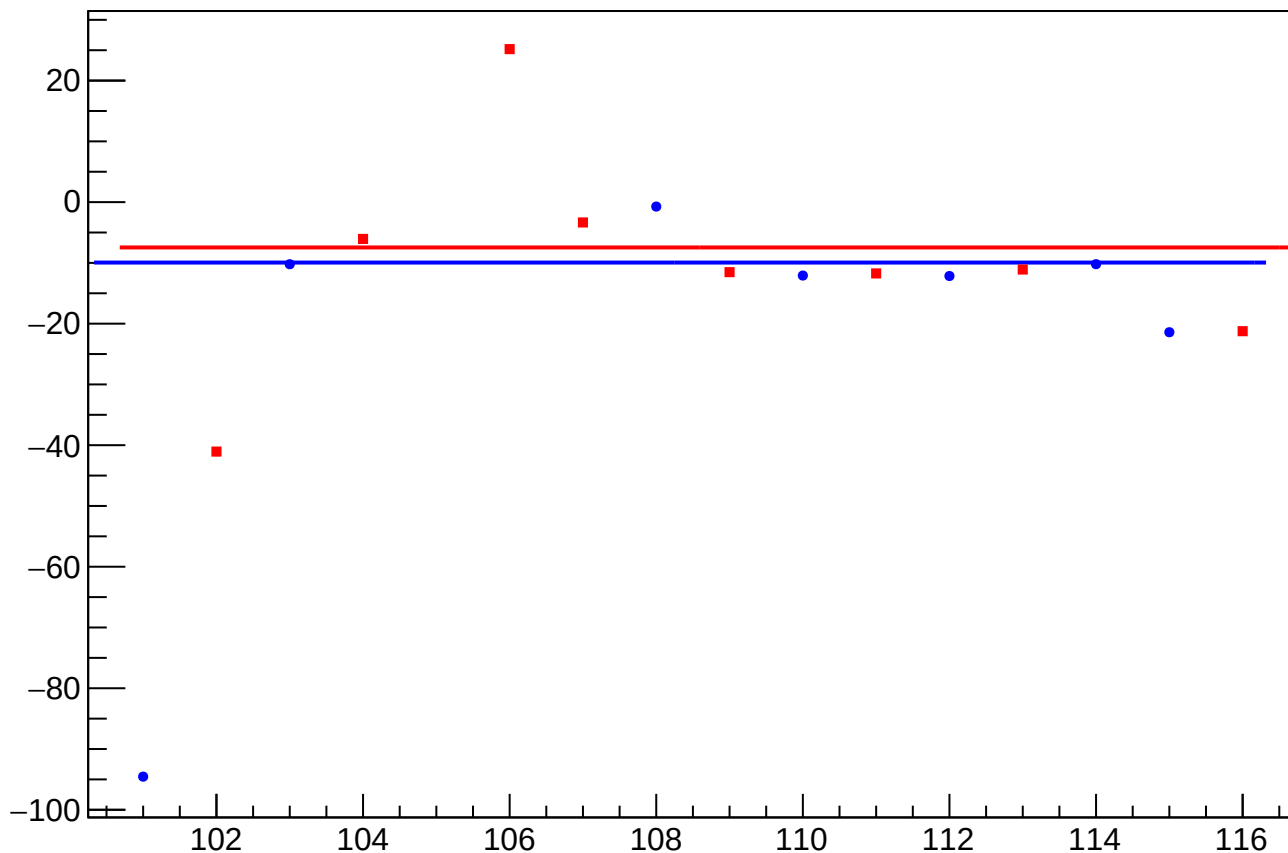
Right:  $-26.744 \pm 1.351$   $\chi^2/\text{NDF}$ : 96.3/14

In:  $-24.879 \pm 2.156$   $\chi^2/\text{NDF}$ : 63.0/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-26.744 \pm 1.351$   $\chi^2/\text{NDF}$ : 96.3/14

reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -9.945+/-0.092  $\chi^2/\text{NDF}$ : 18569.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.459+/-0.080  $\chi^2/\text{NDF}$ : 35600.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

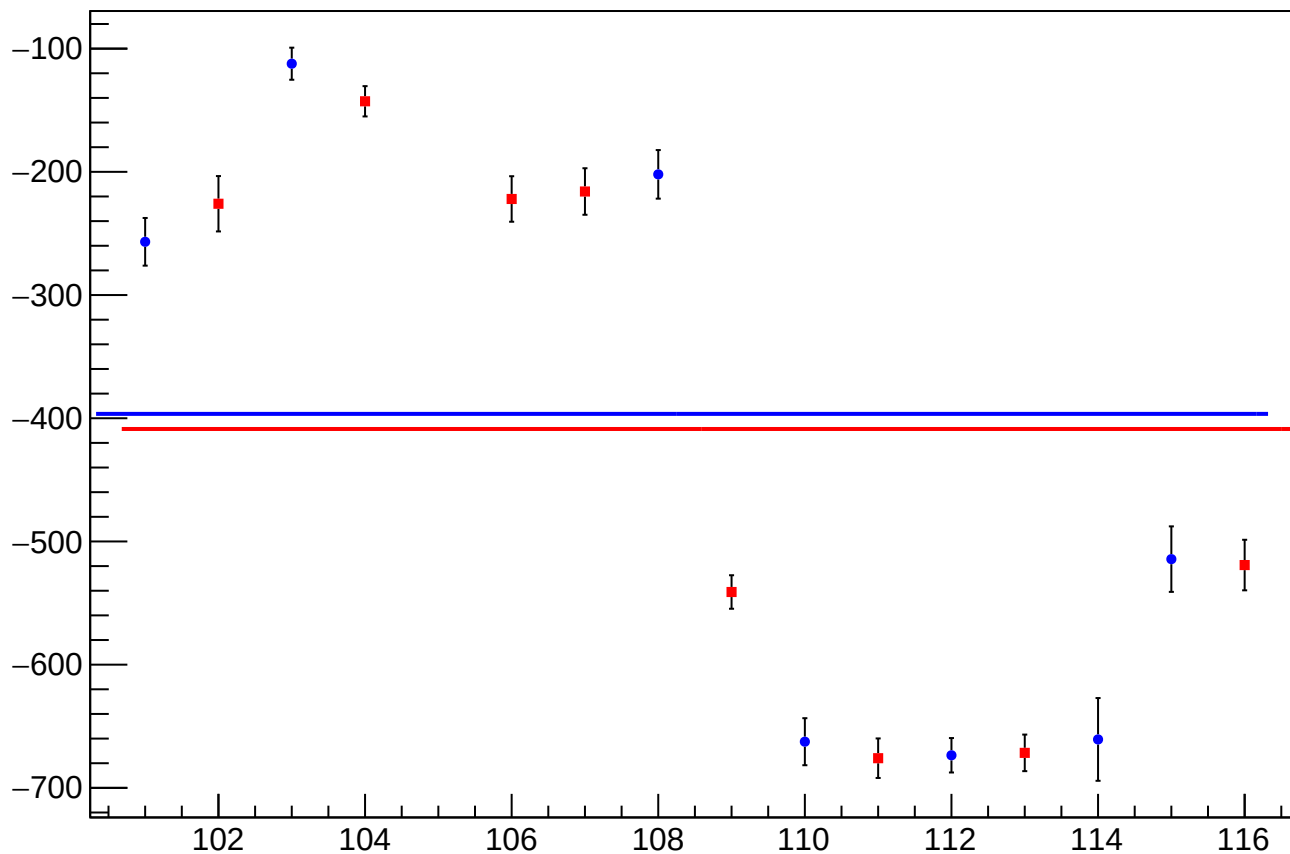
Right: -8.537+/-0.060  $\chi^2/\text{NDF}$ : 54585.6/14

In: -9.945+/-0.092  $\chi^2/\text{NDF}$ : 18569.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.537+/-0.060  $\chi^2/\text{NDF}$ : 54585.6/14

reg\_asym\_atr2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -396.453+/-6.850  $\chi^2/\text{NDF}$ : 1295.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -408.711+/-5.722  $\chi^2/\text{NDF}$ : 1455.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

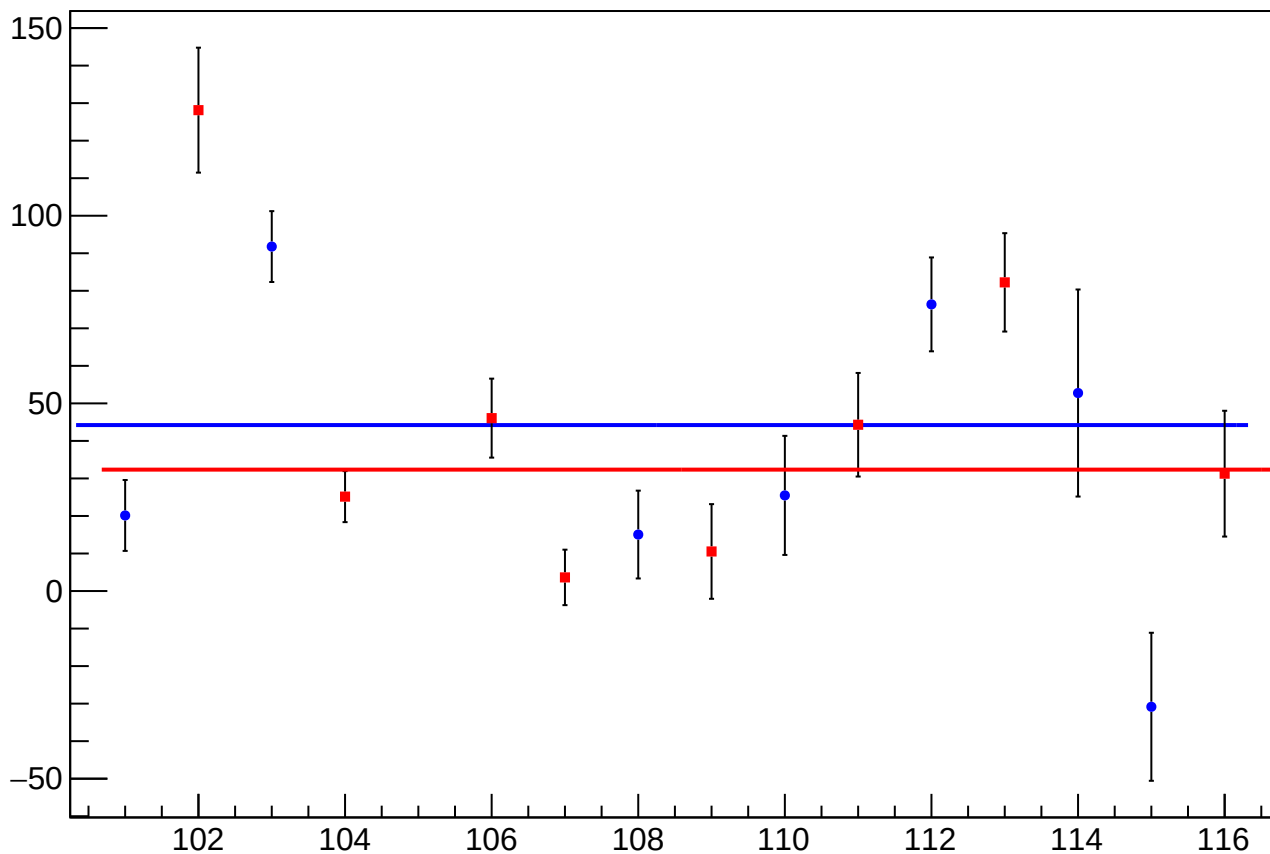
Right: -403.673+/-4.392  $\chi^2/\text{NDF}$ : 2752.4/14

In: -396.453+/-6.850  $\chi^2/\text{NDF}$ : 1295.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -403.673+/-4.392  $\chi^2/\text{NDF}$ : 2752.4/14

reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 44.222 $\pm$ 4.768  $\chi^2$ /NDF: 60.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 32.350 $\pm$ 3.688  $\chi^2$ /NDF: 69.3/7

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

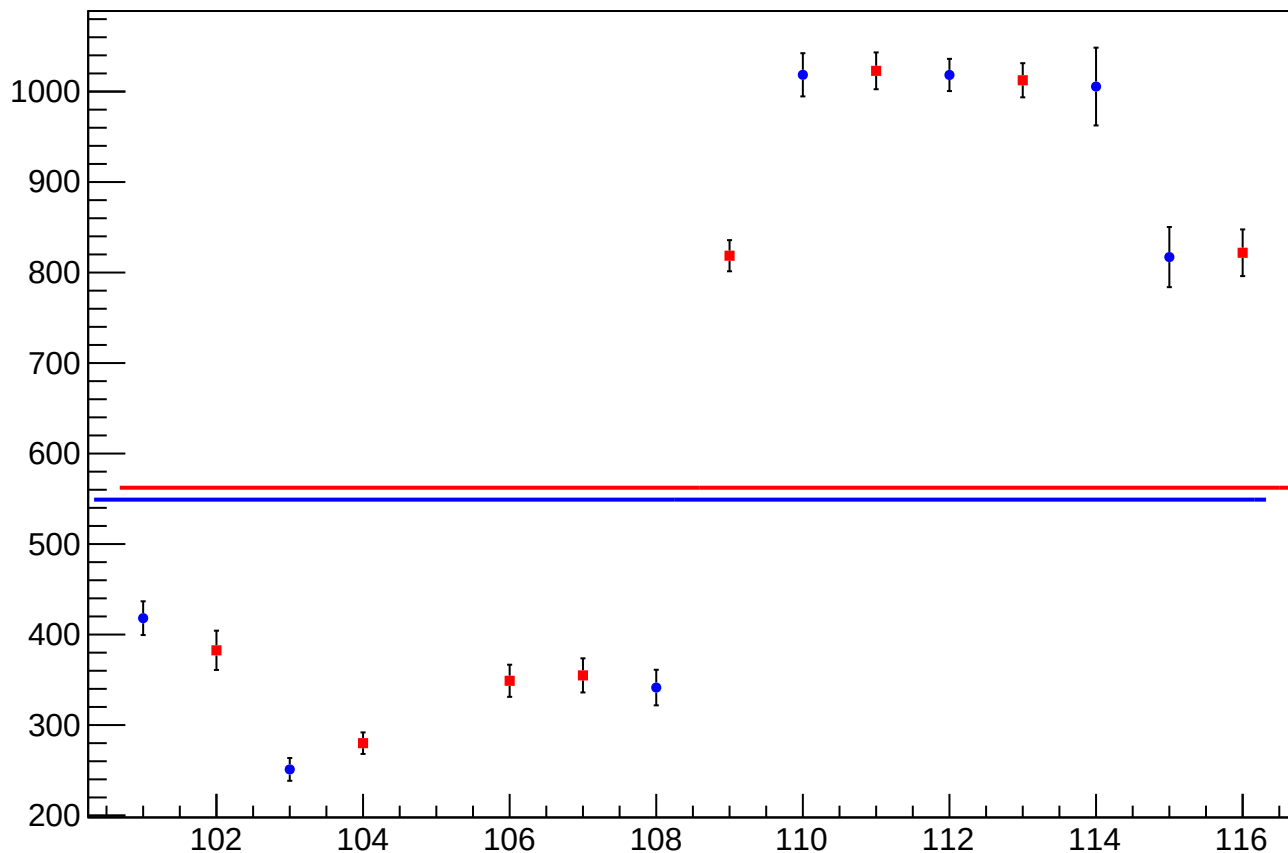
Right: 36.794 $\pm$ 2.917  $\chi^2$ /NDF: 133.8/14

In: 44.222 $\pm$ 4.768  $\chi^2$ /NDF: 60.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 36.794 $\pm$ 2.917  $\chi^2$ /NDF: 133.8/14

reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 549.095+/-7.426  $\chi^2/\text{NDF}$ : 1981.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 562.244+/-6.290  $\chi^2/\text{NDF}$ : 2301.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

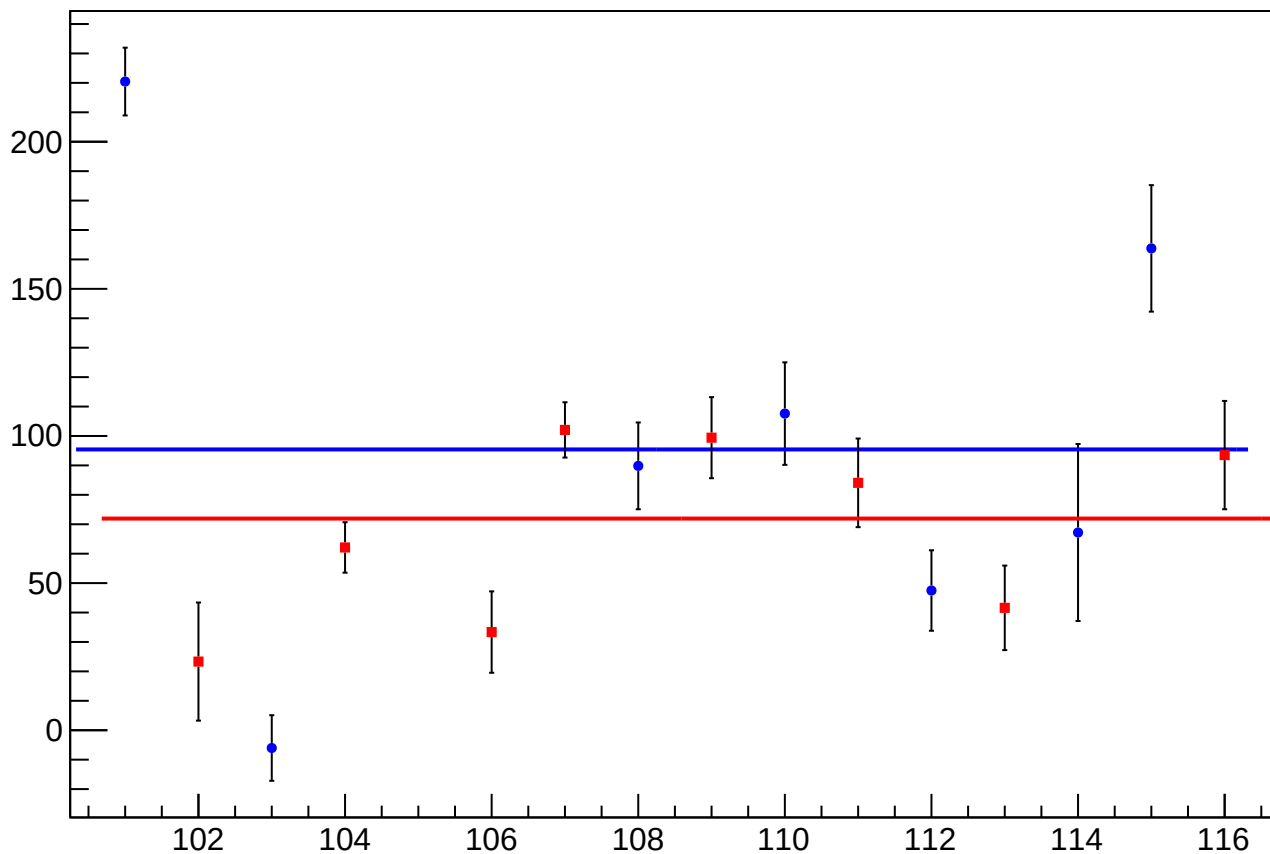
Right: 556.751+/-4.800  $\chi^2/\text{NDF}$ : 4284.9/14

In: 549.095+/-7.426  $\chi^2/\text{NDF}$ : 1981.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 556.751+/-4.800  $\chi^2/\text{NDF}$ : 4284.9/14

reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 95.428+/-5.581  $\chi^2$ /NDF: 224.6/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 71.937+/-4.467  $\chi^2$ /NDF: 35.7/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

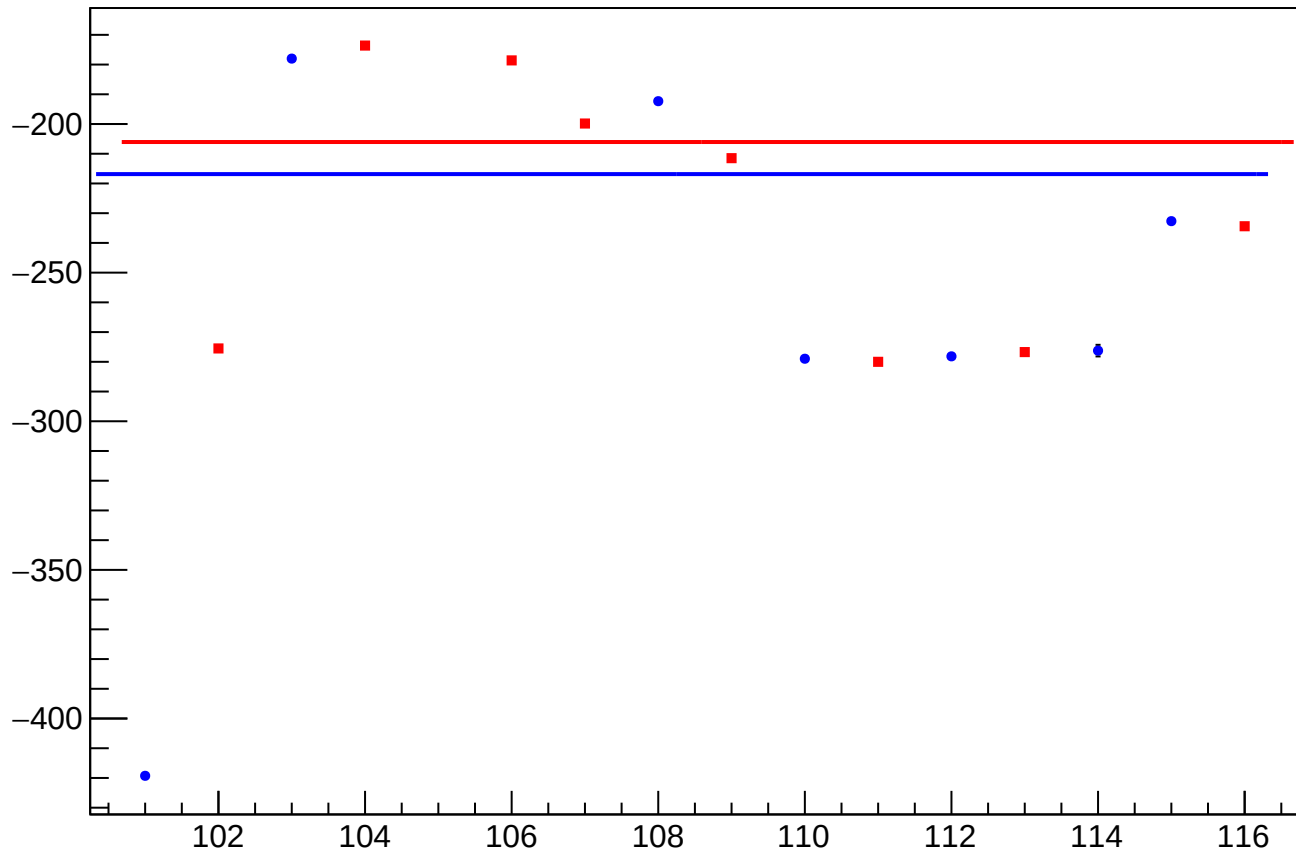
Right: 81.110+/-3.488  $\chi^2$ /NDF: 271.1/14

In: 95.428+/-5.581  $\chi^2$ /NDF:224.6/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 81.110+/-3.488  $\chi^2$ /NDF: 271.1/14

reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -216.851+/-0.210  $\chi^2/\text{NDF}$ : 122479.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -206.057+/-0.185  $\chi^2/\text{NDF}$ : 47094.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

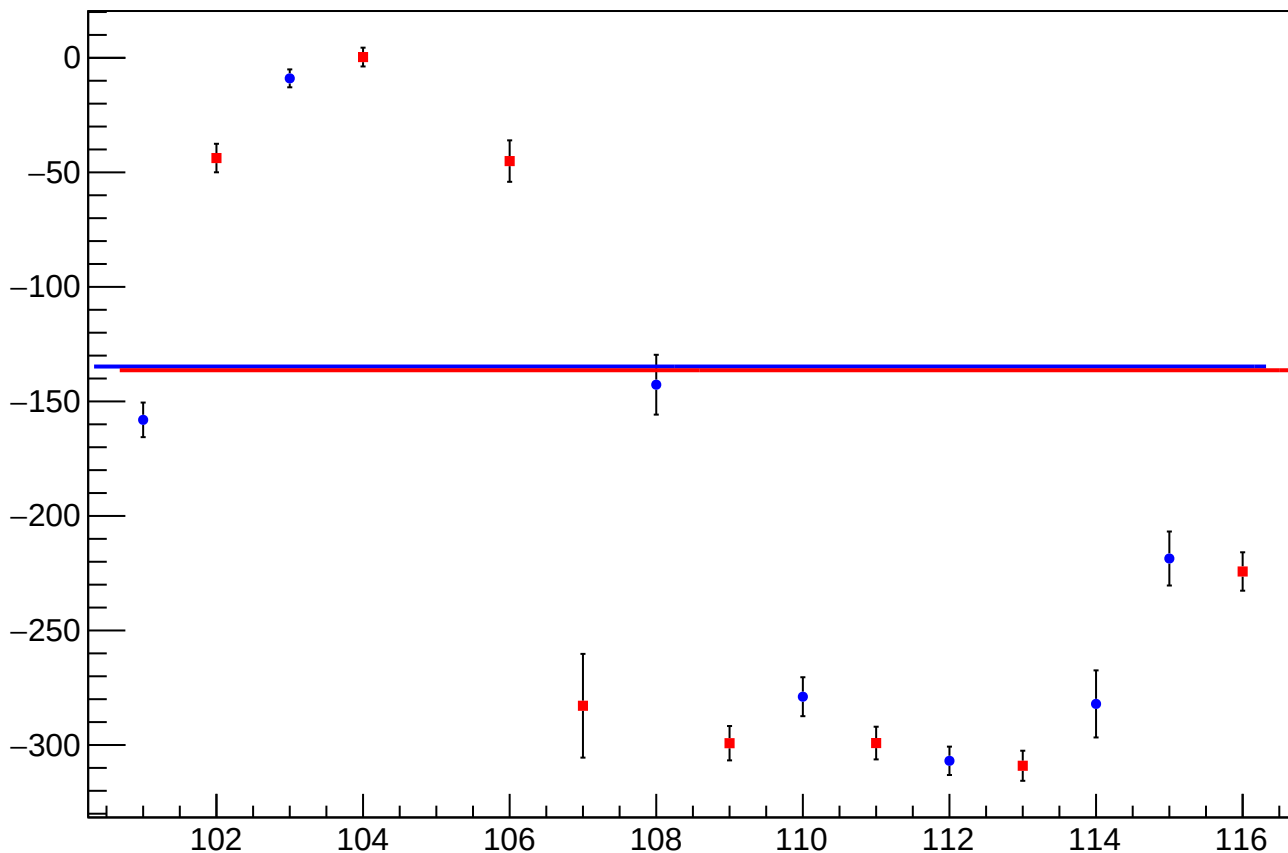
Right: -210.766+/-0.139  $\chi^2/\text{NDF}$ : 171062.2/14

In: -216.851+/-0.210  $\chi^2/\text{NDF}$ : 122479.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -210.766+/-0.139  $\chi^2/\text{NDF}$ : 171062.2/14

reg\_asym\_atl\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -134.771+/-2.667  $\chi^2/\text{NDF}$ : 2256.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -136.393+/-2.395  $\chi^2/\text{NDF}$ : 3270.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -135.669+/-1.782  $\chi^2/\text{NDF}$ : 5527.0/14

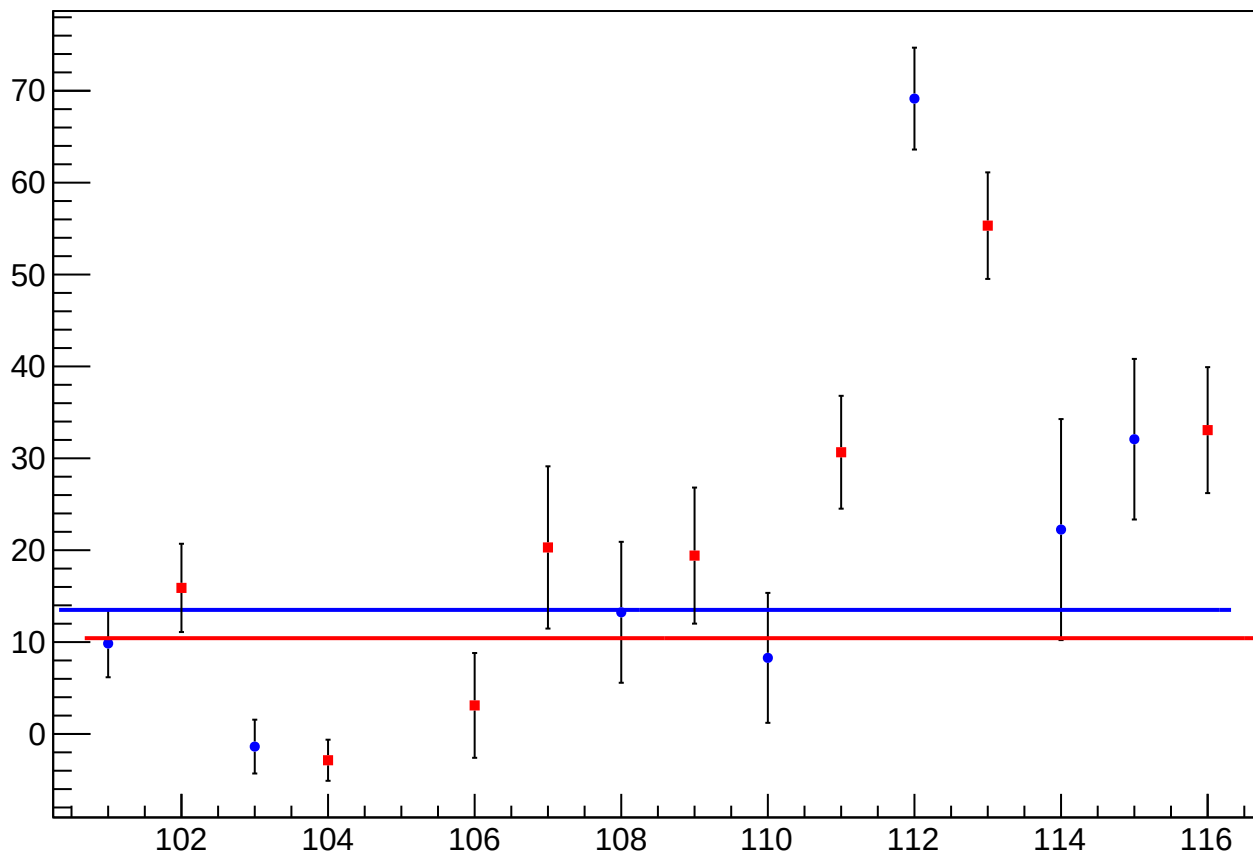
In: -134.771+/-2.667  $\chi^2/\text{NDF}$ : 2256.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -135.669+/-1.782  $\chi^2/\text{NDF}$ : 5527.0/14



reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 13.503+/-1.889  $\chi^2/\text{NDF}$ : 133.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.425+/-1.617  $\chi^2/\text{NDF}$ : 122.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

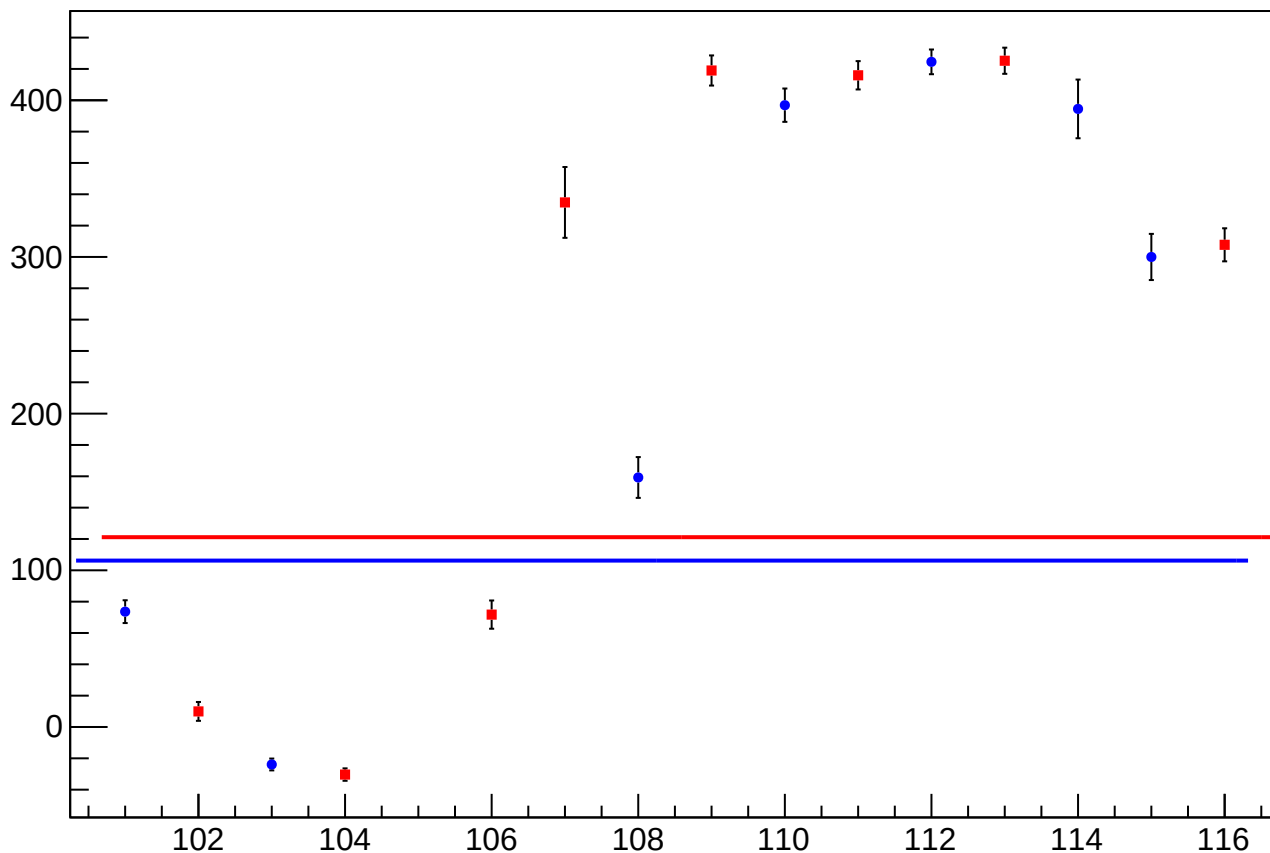
Right: 11.726+/-1.228  $\chi^2/\text{NDF}$ : 257.4/14

In: 13.503+/-1.889  $\chi^2/\text{NDF}$ : 133.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.726+/-1.228  $\chi^2/\text{NDF}$ : 257.4/14

reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 106.204+/-2.805  $\chi^2/\text{NDF}$ : 4005.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 121.140+/-2.568  $\chi^2/\text{NDF}$ : 5578.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

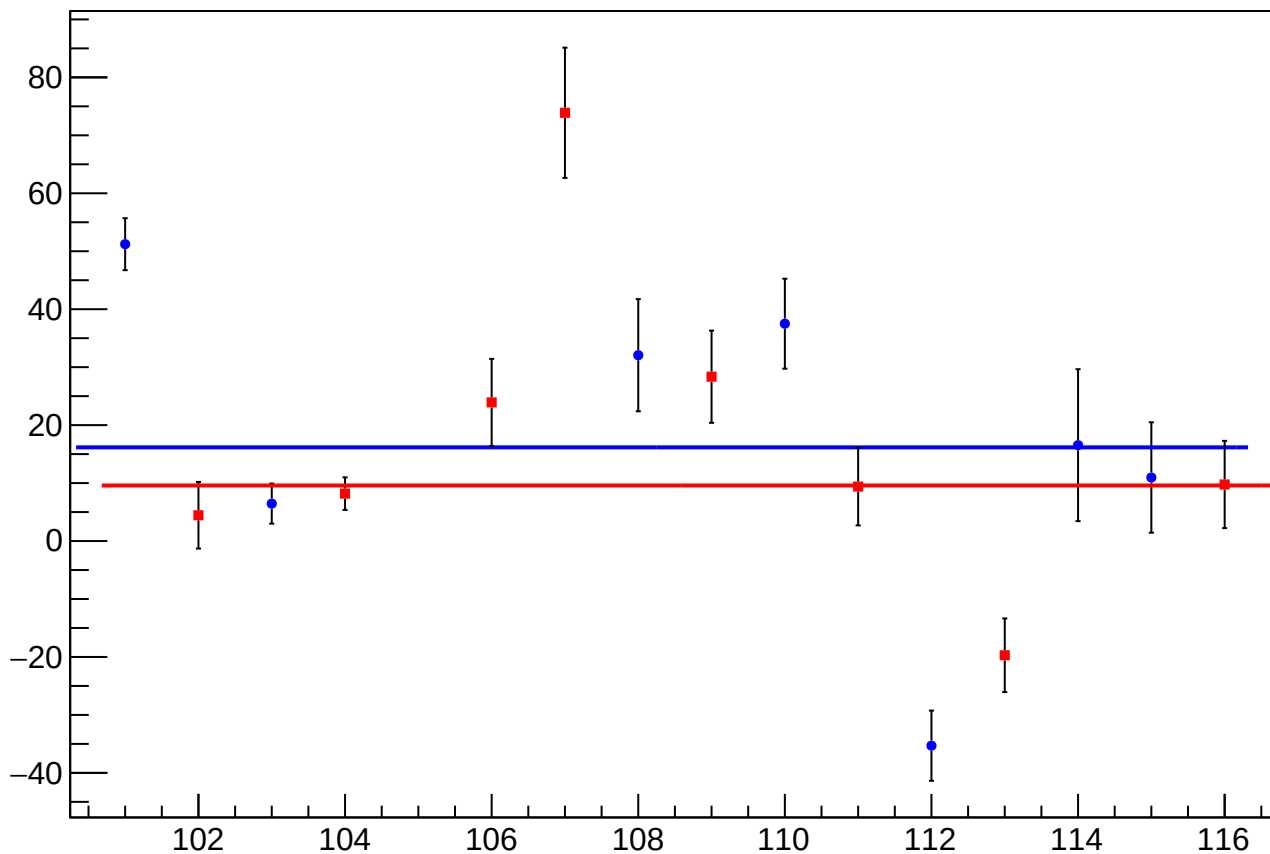
Right: 114.331+/-1.894  $\chi^2/\text{NDF}$ : 9599.9/14

In: 106.204+/-2.805  $\chi^2/\text{NDF}$ : 4005.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 114.331+/-1.894  $\chi^2/\text{NDF}$ : 9599.9/14

reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 16.161 $\pm$ 2.210  $\chi^2$ /NDF: 151.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 9.583 $\pm$ 1.950  $\chi^2$ /NDF: 64.3/7

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

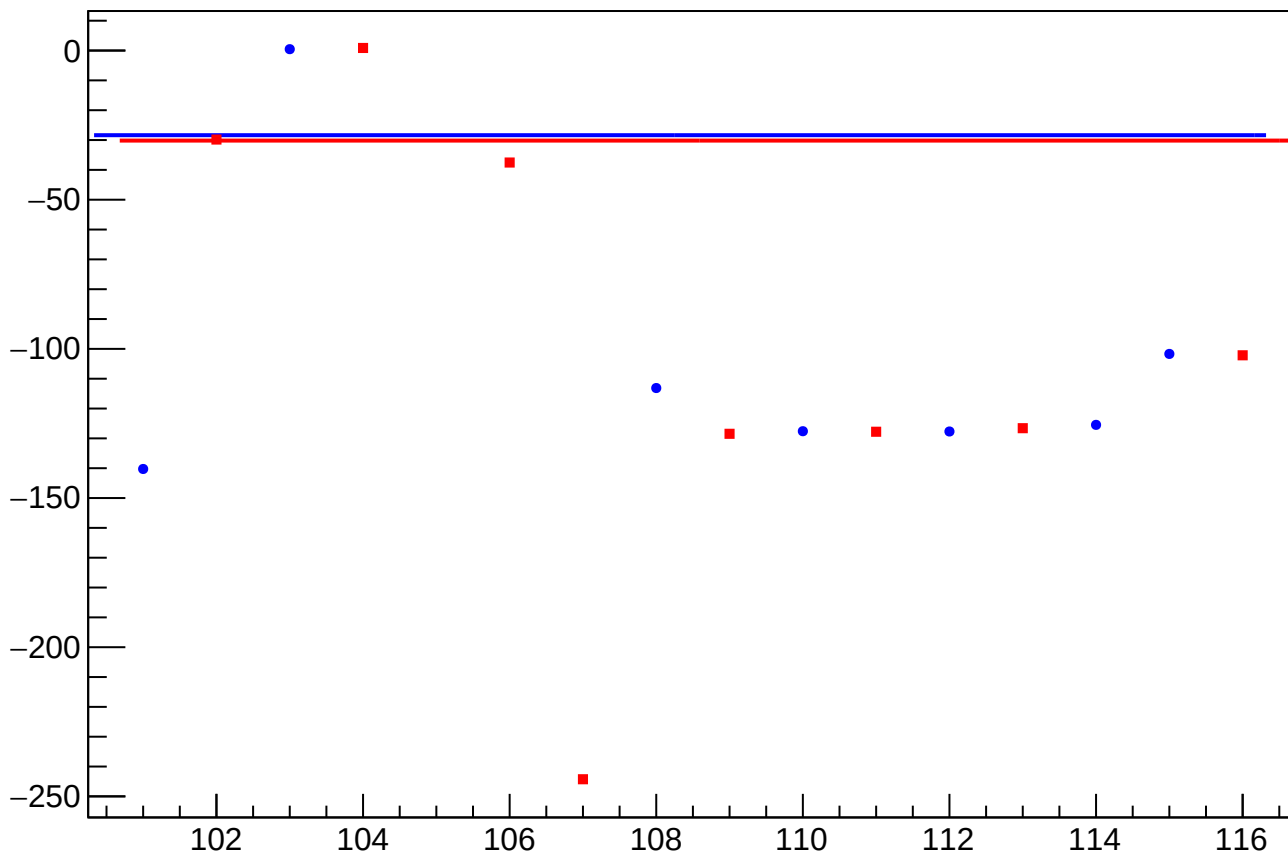
Right: 12.462 $\pm$ 1.462  $\chi^2$ /NDF: 221.0/14

In: 16.161 $\pm$ 2.210  $\chi^2$ /NDF:151.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 12.462 $\pm$ 1.462  $\chi^2$ /NDF: 221.0/14

reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -28.375 $\pm$ 0.075  $\chi^2$ /NDF: 514933.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -30.182 $\pm$ 0.070  $\chi^2$ /NDF: 467808.8/7

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

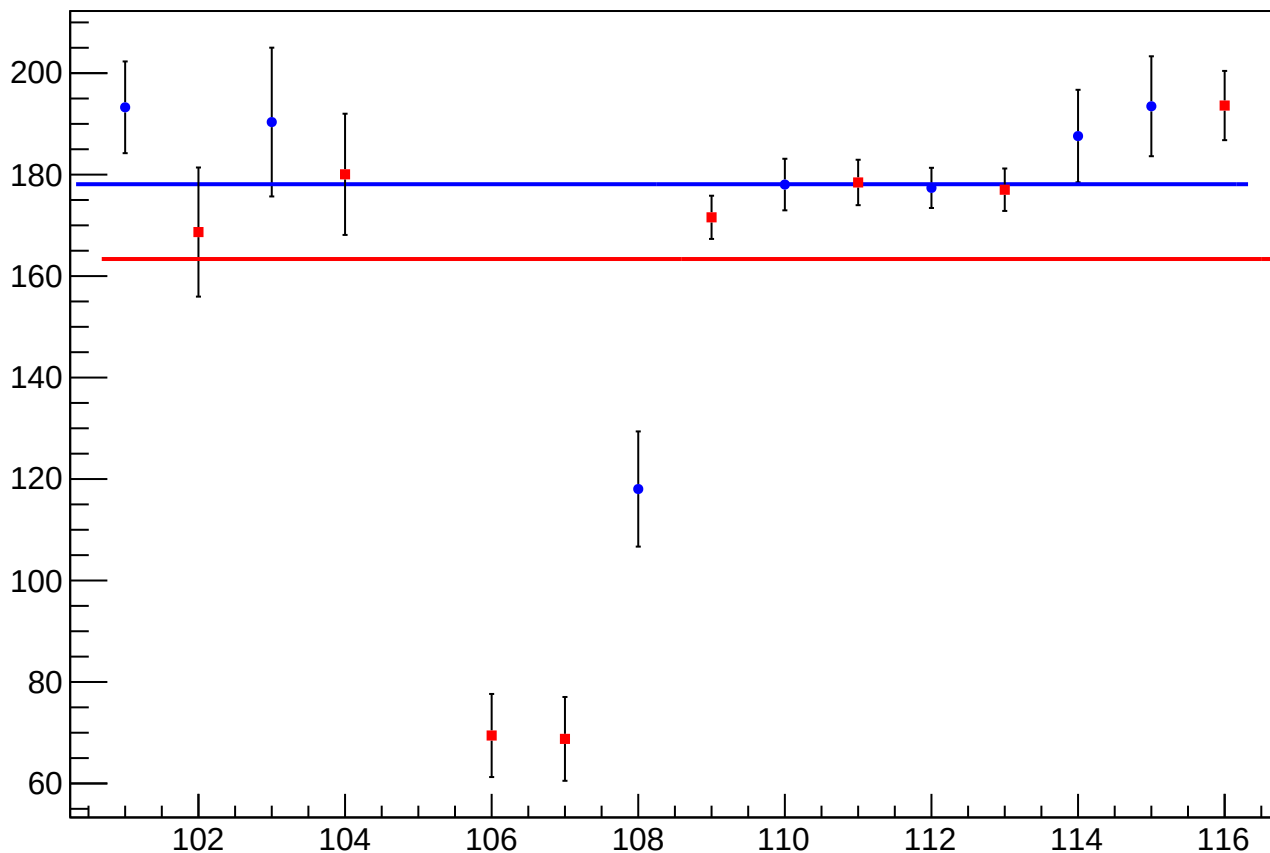
Right: -29.330 $\pm$ 0.051  $\chi^2$ /NDF: 983052.7/14

In: -28.375 $\pm$ 0.075  $\chi^2$ /NDF:514933.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -29.330 $\pm$ 0.051  $\chi^2$ /NDF: 983052.7/14

reg\_asym\_atl\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 178.110 $\pm$ 2.586  $\chi^2$ /NDF: 35.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 163.366 $\pm$ 2.101  $\chi^2$ /NDF: 310.2/7

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

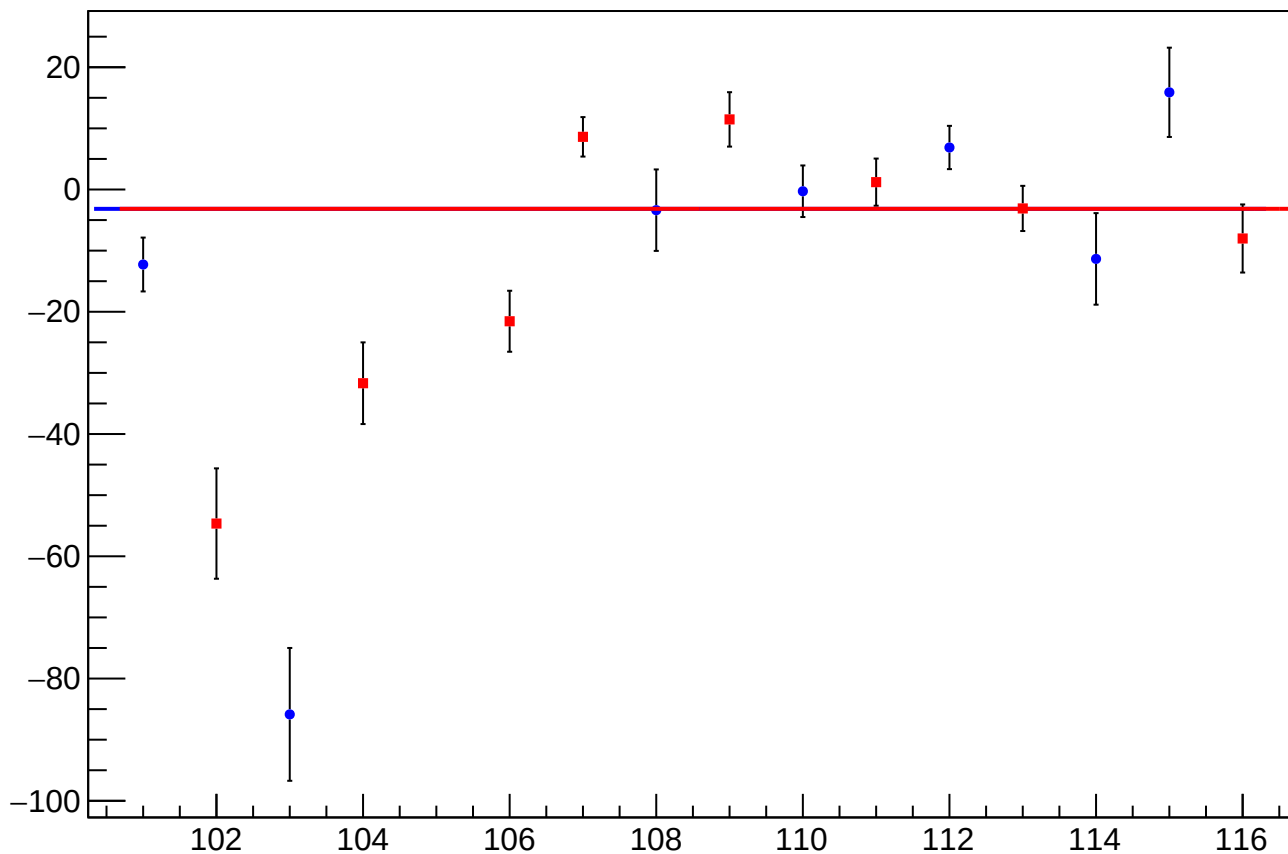
Right: 169.229 $\pm$ 1.631  $\chi^2$ /NDF: 364.8/14

In: 178.110 $\pm$ 2.586  $\chi^2$ /NDF:35.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 169.229 $\pm$ 1.631  $\chi^2$ /NDF: 364.8/14

reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.166+/-1.980  $\chi^2/\text{NDF}$ : 78.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.159+/-1.593  $\chi^2/\text{NDF}$ : 90.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

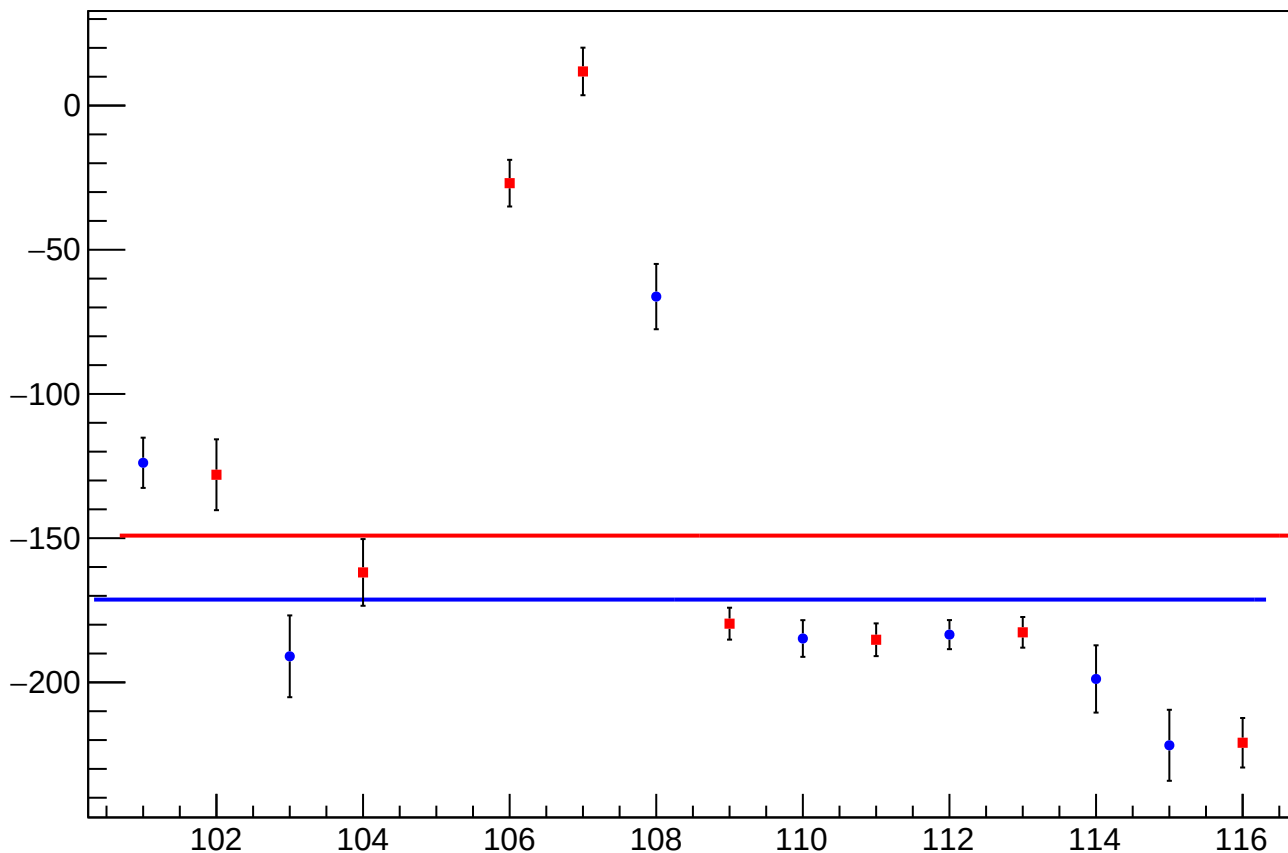
Right: -3.162+/-1.241  $\chi^2/\text{NDF}$ : 169.2/14

In: -3.166+/-1.980  $\chi^2/\text{NDF}$ : 78.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.162+/-1.241  $\chi^2/\text{NDF}$ : 169.2/14

reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -171.293+/-3.101  $\chi^2$ /NDF: 150.4/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -149.111+/-2.526  $\chi^2$ /NDF: 794.1/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

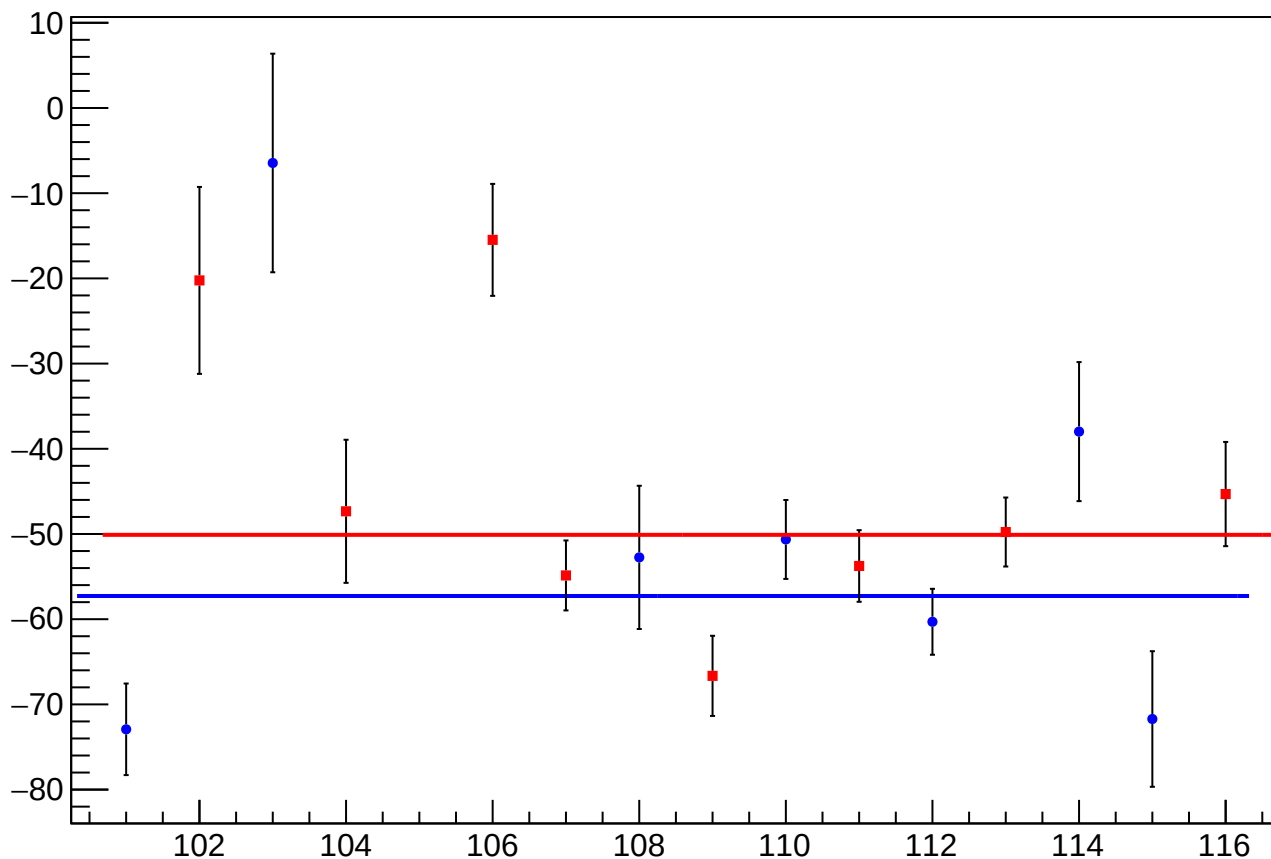
Right: -157.957+/-1.959  $\chi^2$ /NDF: 975.2/14

In: -171.293+/-3.101  $\chi^2$ /NDF:150.4/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -157.957+/-1.959  $\chi^2$ /NDF: 975.2/14

reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -57.277 $\pm$ 2.241  $\chi^2$ /NDF: 36.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -50.099 $\pm$ 1.843  $\chi^2$ /NDF: 50.4/7

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: -52.995 $\pm$ 1.423  $\chi^2$ /NDF: 92.5/14

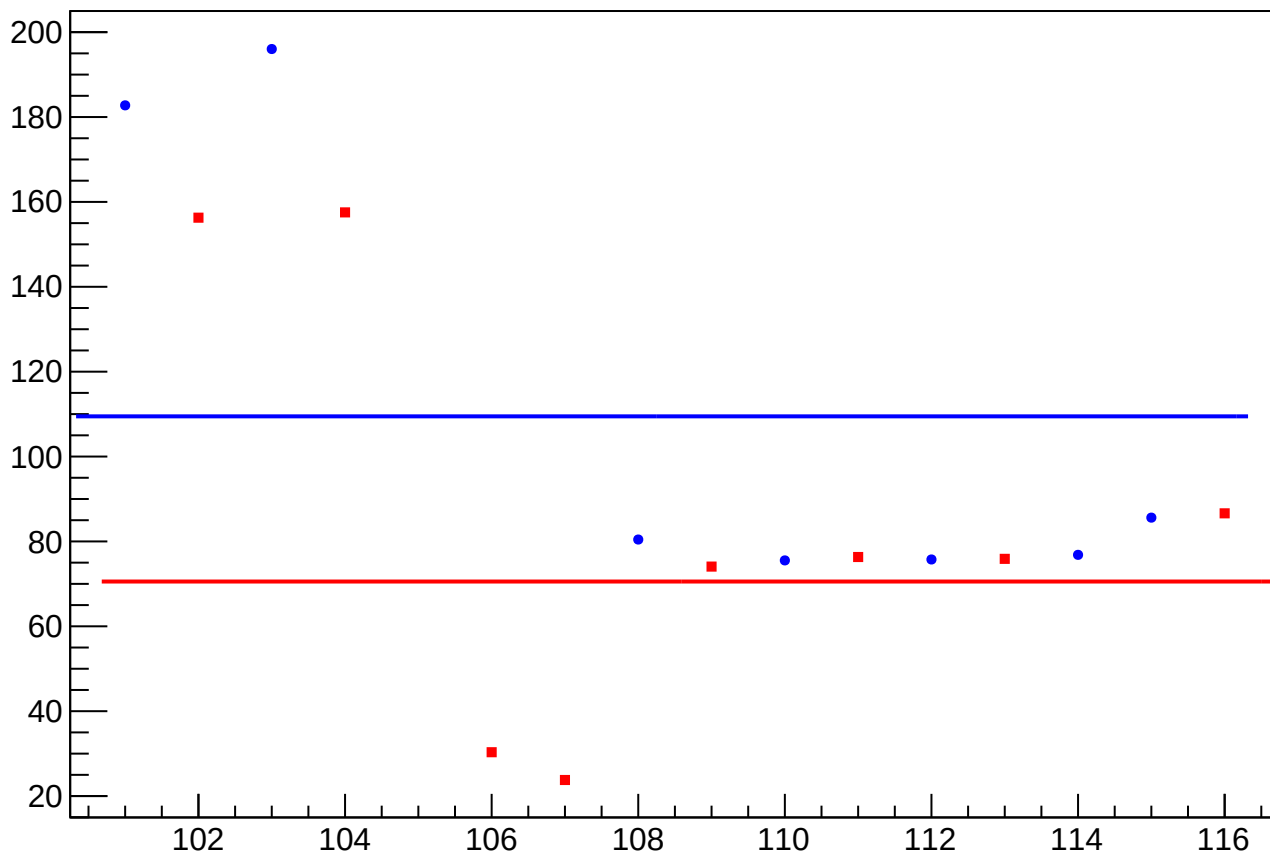
In: -57.277 $\pm$ 2.241  $\chi^2$ /NDF:36.0/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -52.995 $\pm$ 1.423  $\chi^2$ /NDF: 92.5/14



reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 109.473+/-0.119  $\chi^2/\text{NDF}$ : 179487.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 70.552+/-0.087  $\chi^2/\text{NDF}$ : 279749.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

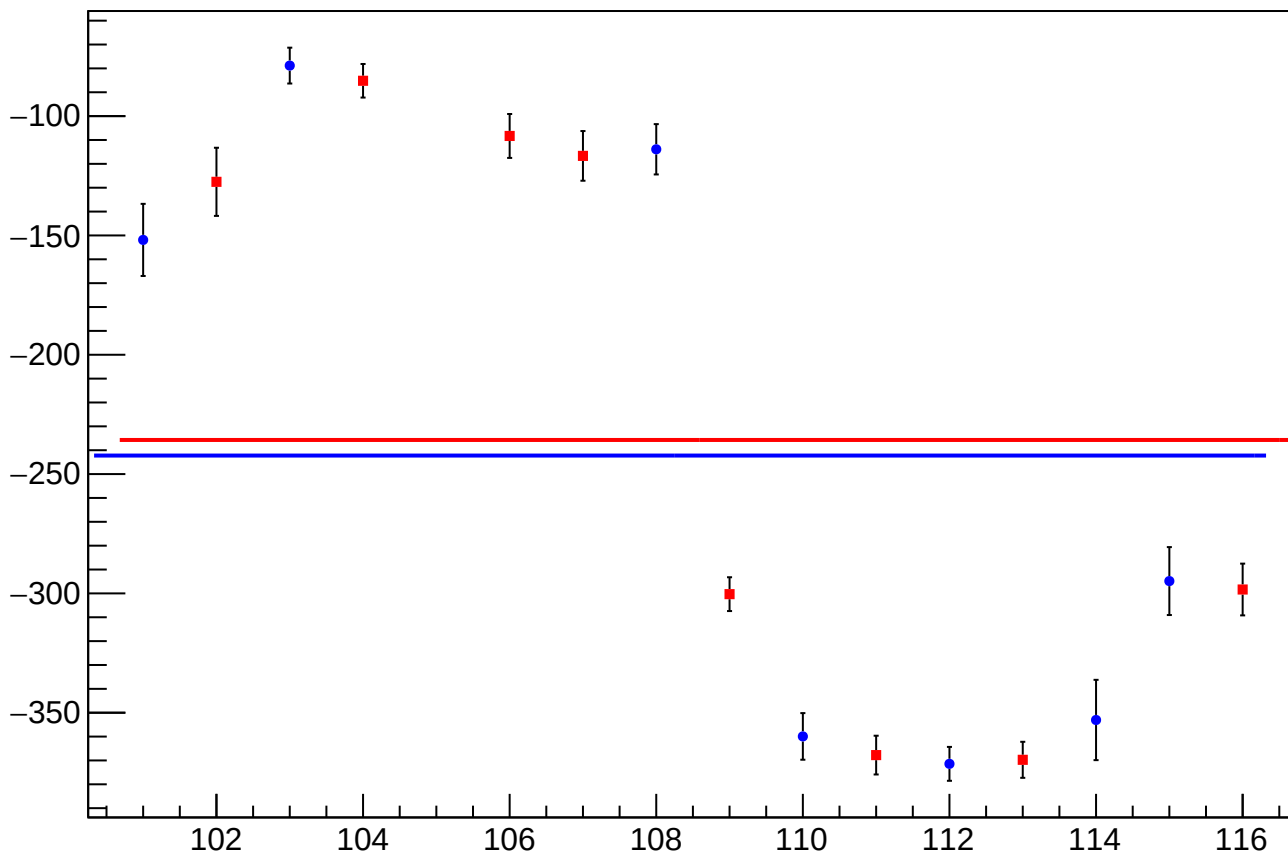
Right: 84.174+/-0.070  $\chi^2/\text{NDF}$ : 528753.9/14

In: 109.473+/-0.119  $\chi^2/\text{NDF}$ : 179487.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 84.174+/-0.070  $\chi^2/\text{NDF}$ : 528753.9/14

reg\_asym\_atr\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -242.238+/-3.783  $\chi^2/\text{NDF}$ : 1190.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -235.705+/-3.053  $\chi^2/\text{NDF}$ : 1533.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

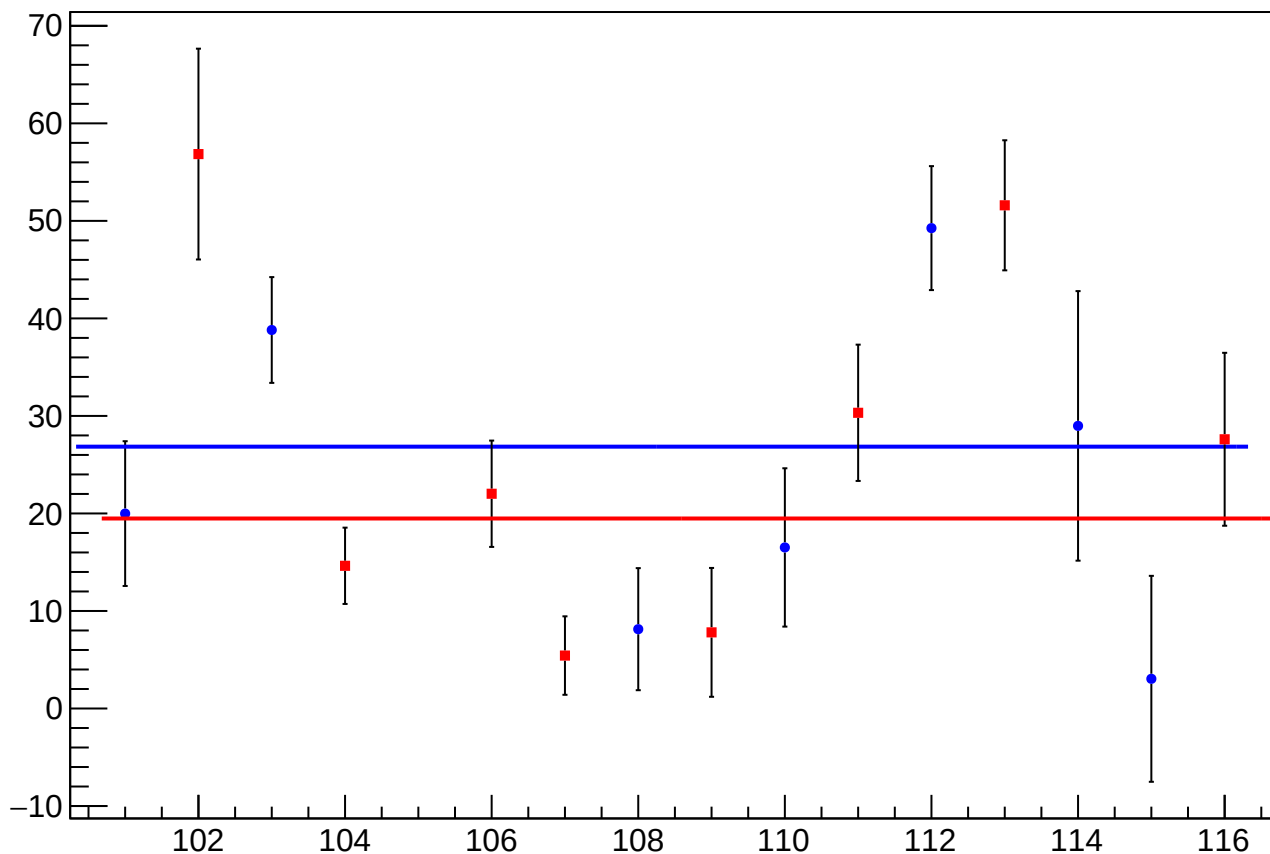
Right: -238.282+/-2.376  $\chi^2/\text{NDF}$ : 2726.0/14

In: -242.238+/-3.783  $\chi^2/\text{NDF}$ : 1190.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -238.282+/-2.376  $\chi^2/\text{NDF}$ : 2726.0/14

reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 26.849 $\pm$ 2.754  $\chi^2$ /NDF: 33.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 19.482 $\pm$ 2.008  $\chi^2$ /NDF: 55.5/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

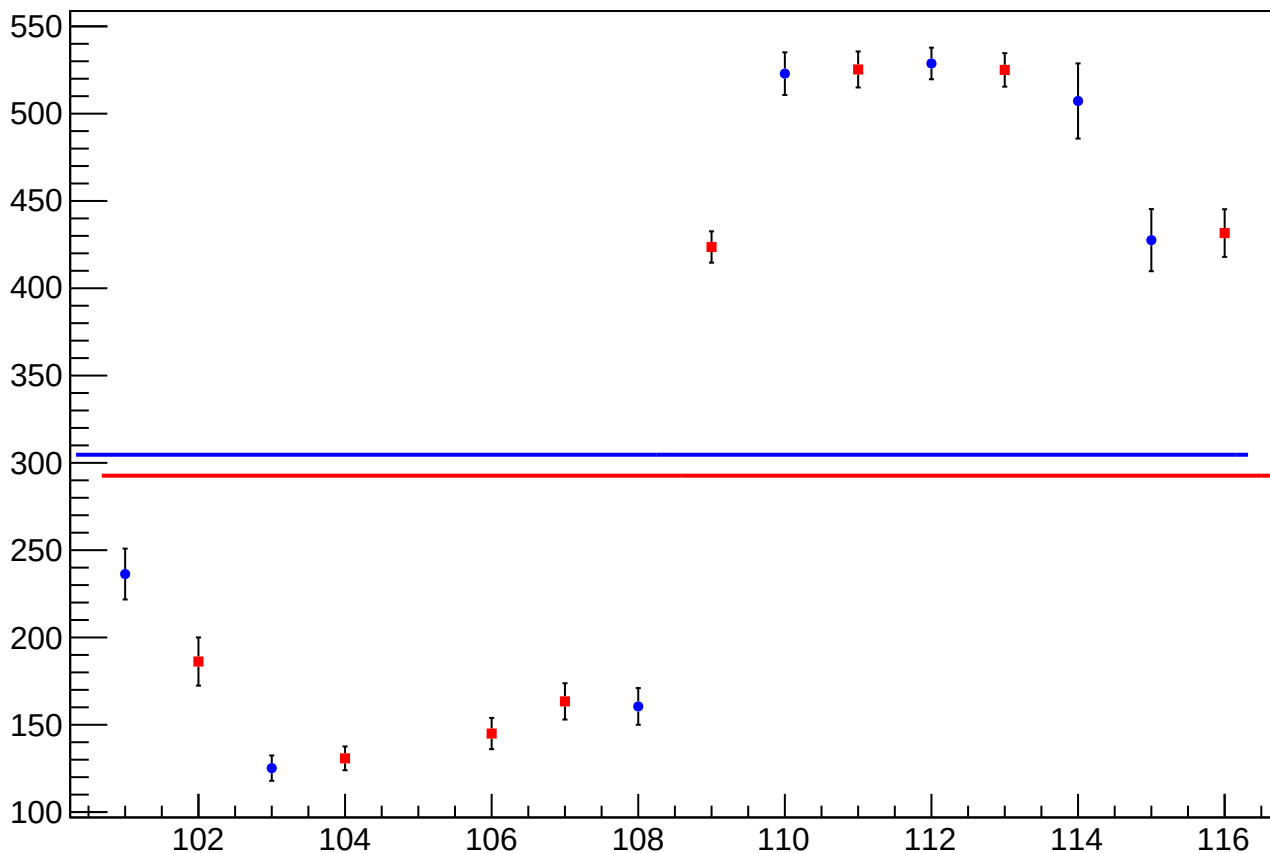
Right: 22.039 $\pm$ 1.623  $\chi^2$ /NDF: 94.0/14

In: 26.849 $\pm$ 2.754  $\chi^2$ /NDF: 33.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 22.039 $\pm$ 1.623  $\chi^2$ /NDF: 94.0/14

reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 304.654+/-4.190  $\chi^2/\text{NDF}$ : 1889.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 292.666+/-3.398  $\chi^2/\text{NDF}$ : 2465.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

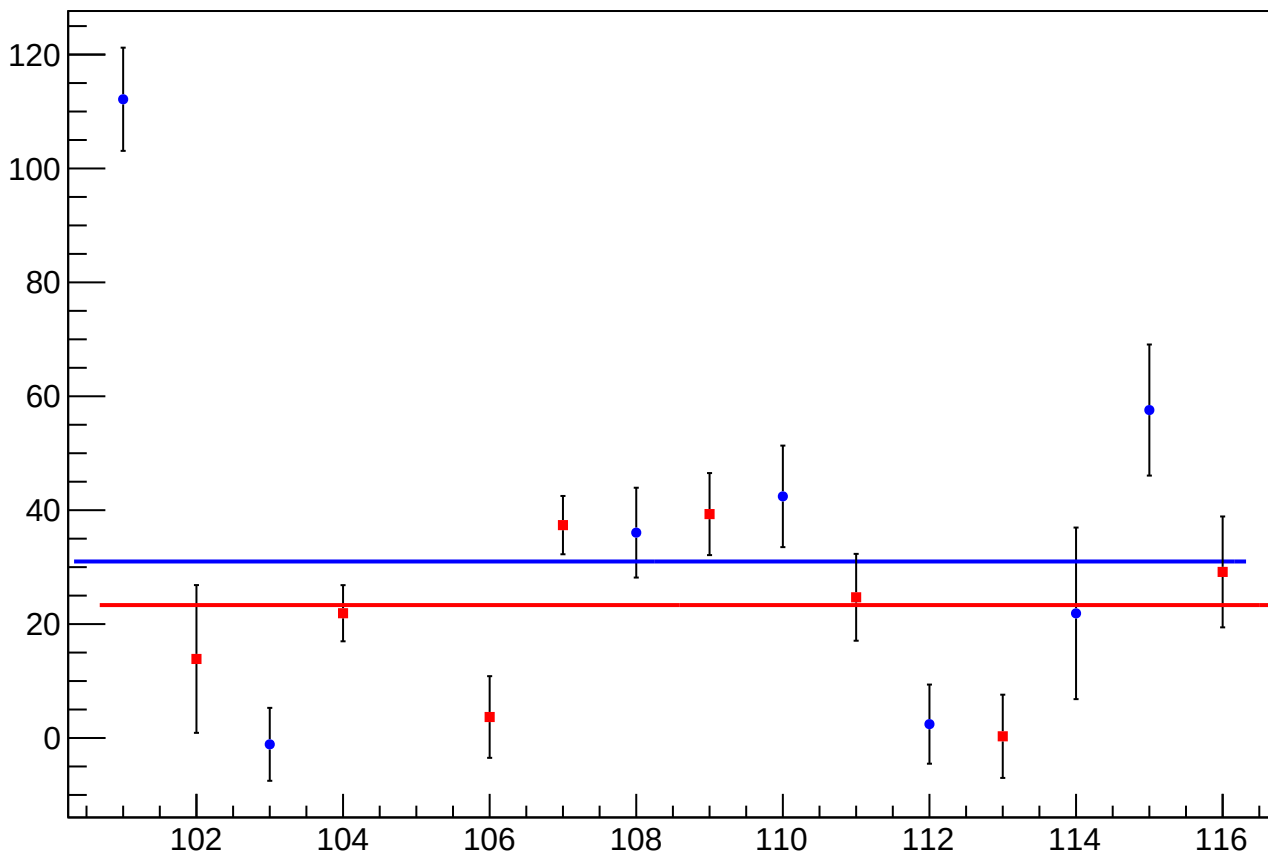
Right: 297.422+/-2.639  $\chi^2/\text{NDF}$ : 4360.0/14

In: 304.654+/-4.190  $\chi^2/\text{NDF}$ : 1889.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 297.422+/-2.639  $\chi^2/\text{NDF}$ : 4360.0/14

reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 30.992+/-3.196  $\chi^2/\text{NDF}$ : 130.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 23.339+/-2.422  $\chi^2/\text{NDF}$ : 30.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

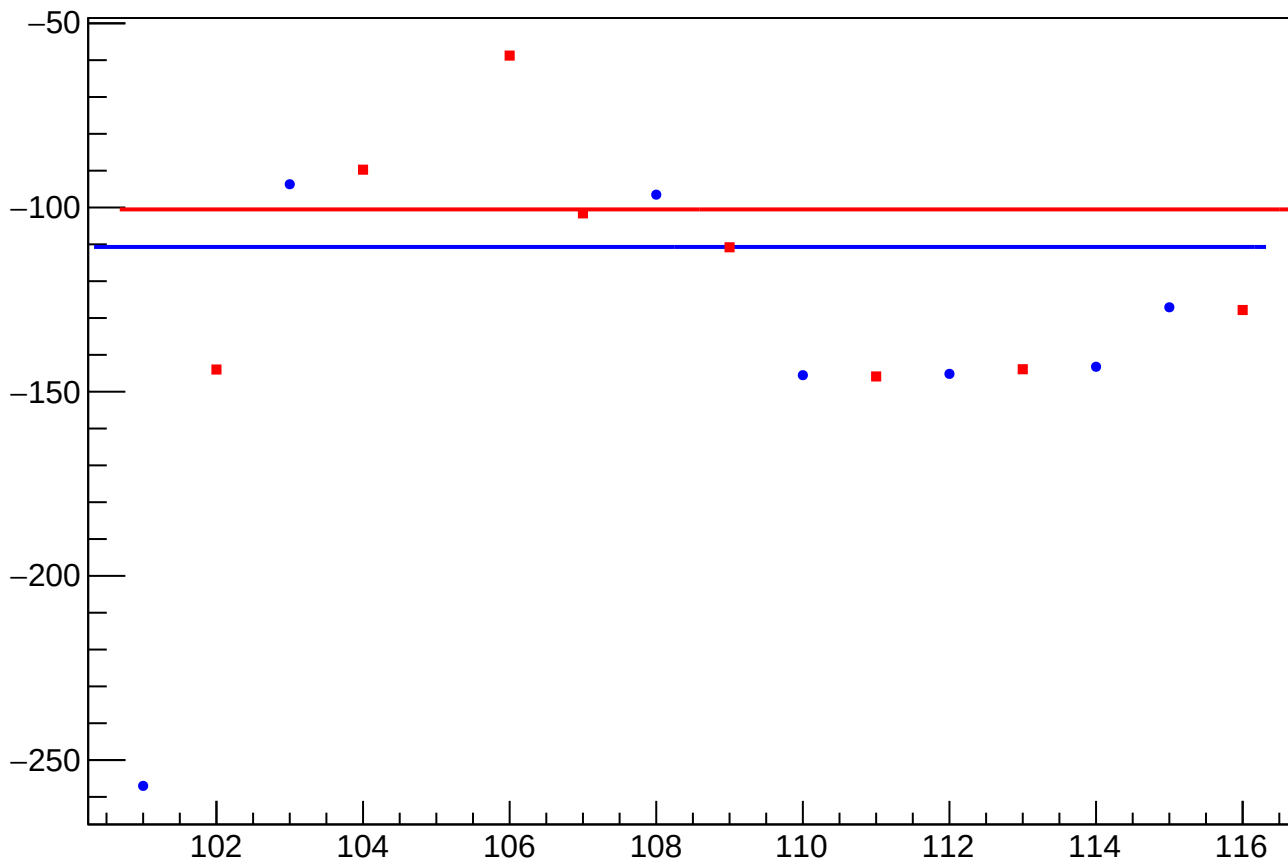
Right: 26.131+/-1.930  $\chi^2/\text{NDF}$ : 164.6/14

In: 30.992+/-3.196  $\chi^2/\text{NDF}$ : 130.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 26.131+/-1.930  $\chi^2/\text{NDF}$ : 164.6/14

reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -110.703+/-0.120  $\chi^2/\text{NDF}$ : 104180.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -100.517+/-0.101  $\chi^2/\text{NDF}$ : 72462.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

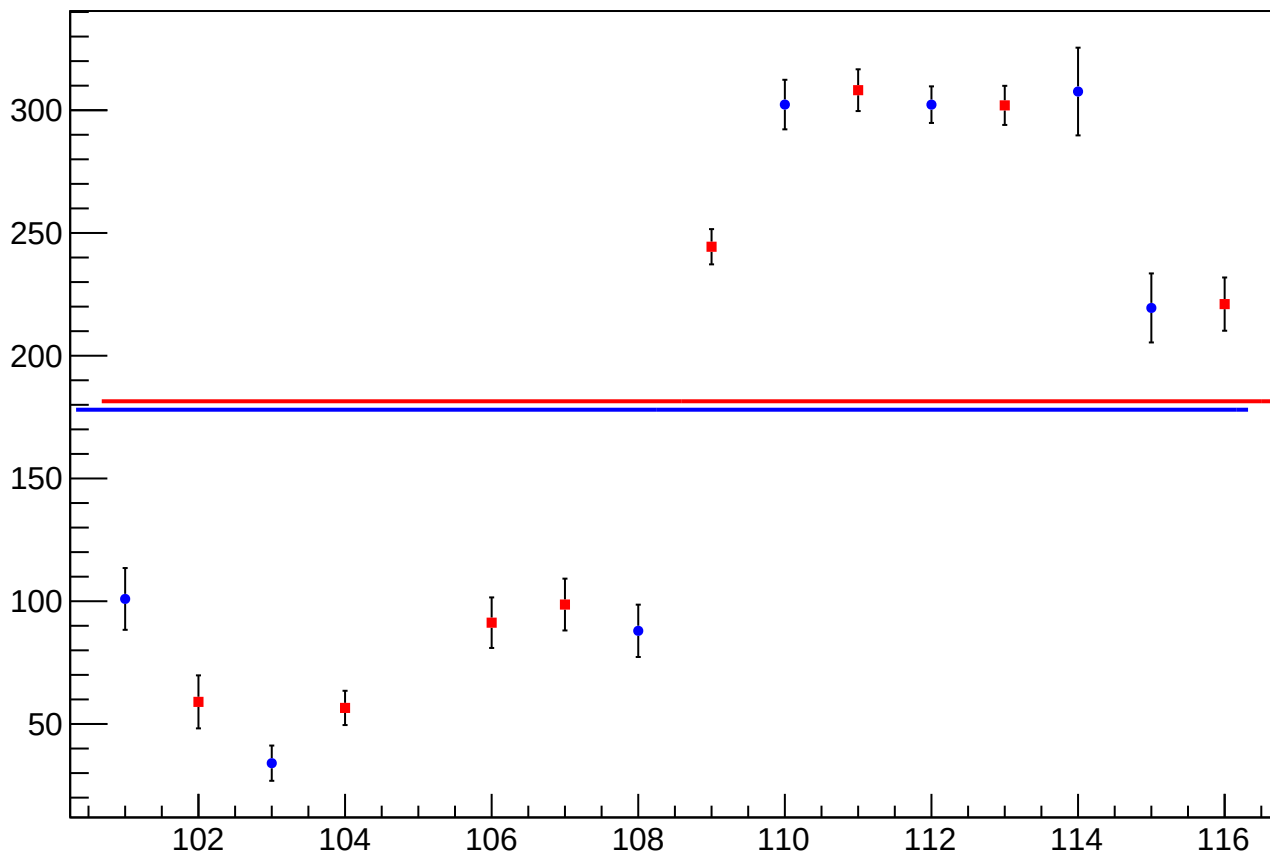
Right: -104.770+/-0.077  $\chi^2/\text{NDF}$ : 180867.2/14

In: -110.703+/-0.120  $\chi^2/\text{NDF}$ : 104180.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -104.770+/-0.077  $\chi^2/\text{NDF}$ : 180867.2/14

reg\_asym\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 178.007+/-3.765  $\chi^2$ /NDF: 1002.3/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 181.447+/-3.086  $\chi^2$ /NDF: 1128.4/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

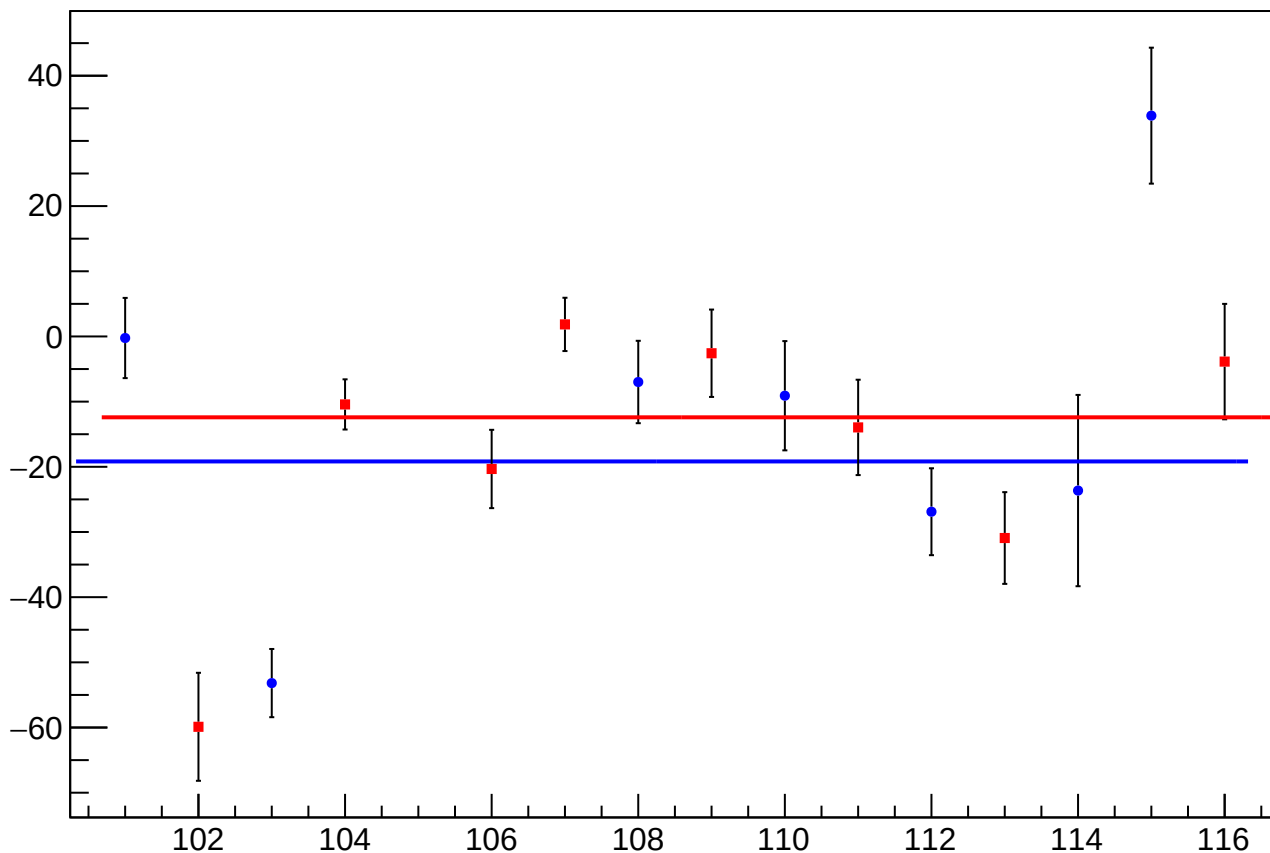
Right: 180.065+/-2.387  $\chi^2$ /NDF: 2131.2/14

In: 178.007+/-3.765  $\chi^2$ /NDF:1002.3/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 180.065+/-2.387  $\chi^2$ /NDF: 2131.2/14

reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-19.176 \pm 2.687$   $\chi^2/\text{NDF}$ : 84.2/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-12.407 \pm 2.027$   $\chi^2/\text{NDF}$ : 57.1/7

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:  $-14.862 \pm 1.618$   $\chi^2/\text{NDF}$ : 145.3/14

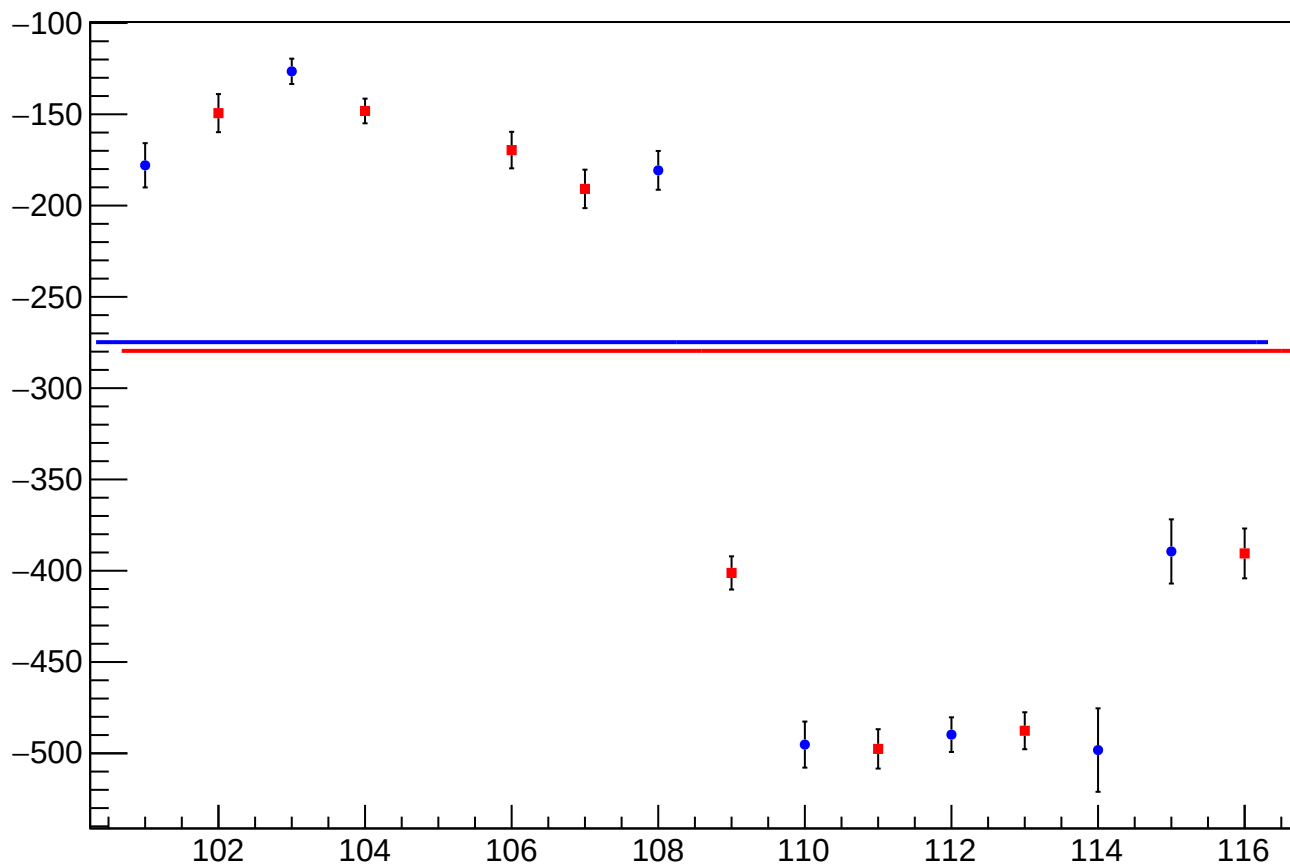
In:  $-19.176 \pm 2.687$   $\chi^2/\text{NDF}$ : 84.2/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-14.862 \pm 1.618$   $\chi^2/\text{NDF}$ : 145.3/14



reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -274.803+/-4.119  $\chi^2/\text{NDF}$ : 1555.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -279.564+/-3.412  $\chi^2/\text{NDF}$ : 1801.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

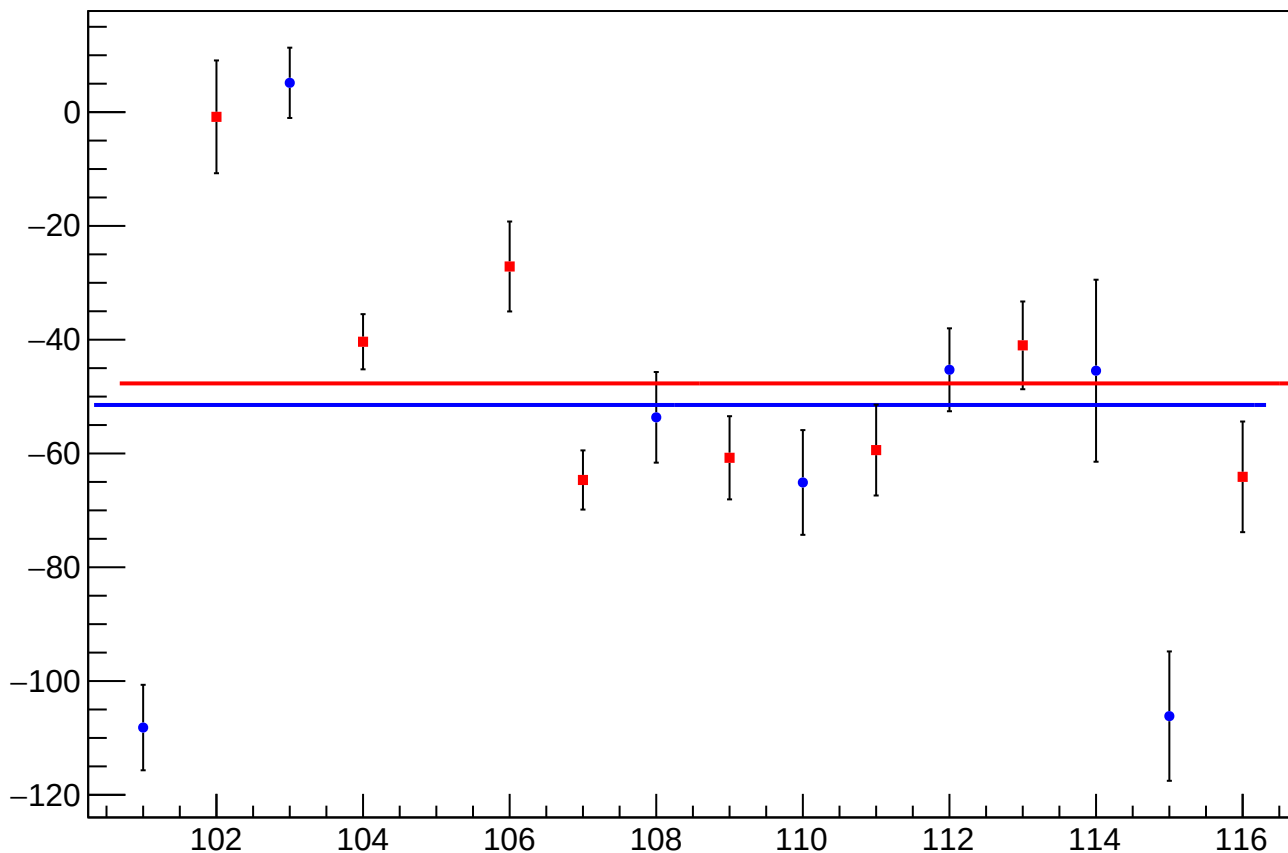
Right: -277.627+/-2.627  $\chi^2/\text{NDF}$ : 3357.6/14

In: -274.803+/-4.119  $\chi^2/\text{NDF}$ : 1555.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -277.627+/-2.627  $\chi^2/\text{NDF}$ : 3357.6/14

reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-51.472 \pm 3.132$   $\chi^2/\text{NDF}: 167.2/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-47.684 \pm 2.444$   $\chi^2/\text{NDF}: 51.0/7$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

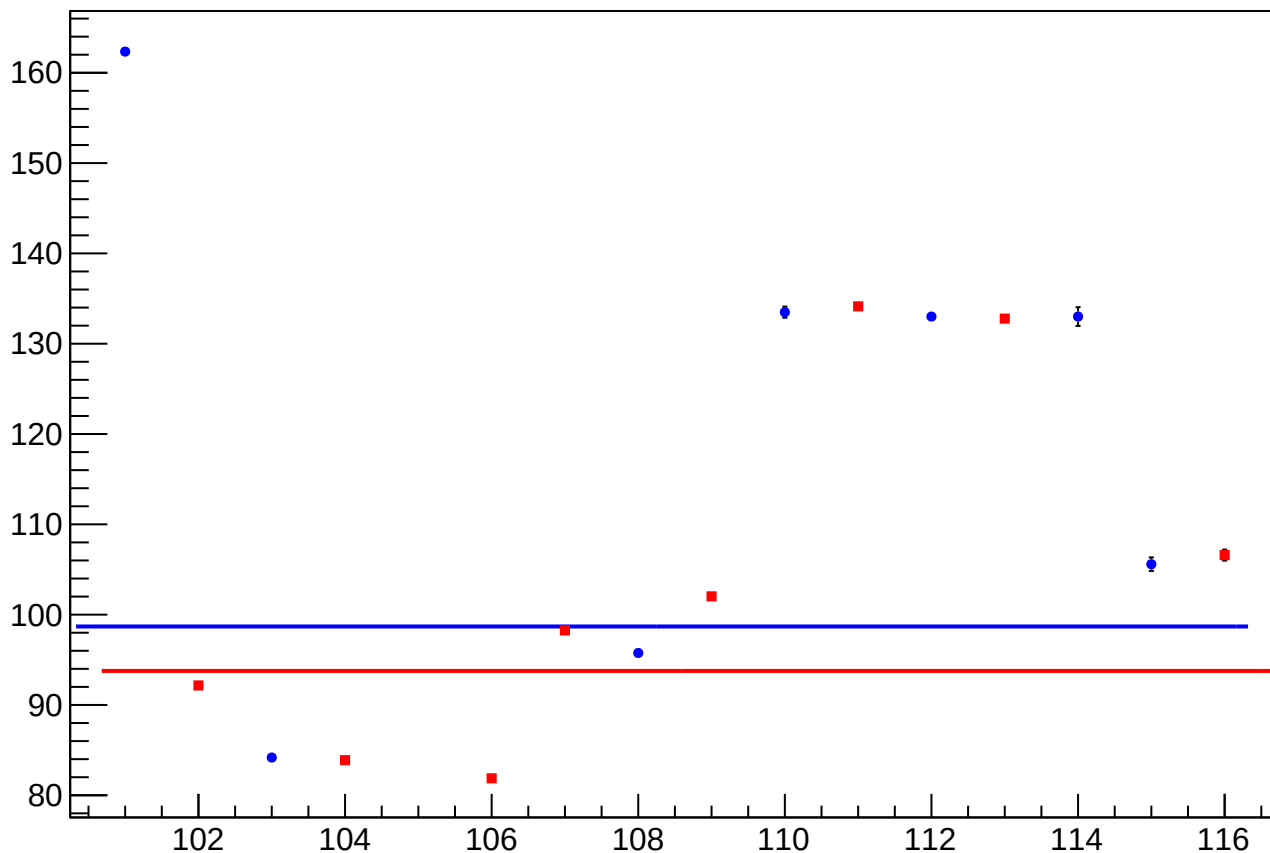
Right:  $-49.117 \pm 1.927$   $\chi^2/\text{NDF}: 219.1/14$

In:  $-51.472 \pm 3.132$   $\chi^2/\text{NDF}: 167.2/6$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-49.117 \pm 1.927$   $\chi^2/\text{NDF}: 219.1/14$

reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 98.690 $\pm$ 0.116  $\chi^2$ /NDF: 40708.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 93.770 $\pm$ 0.099  $\chi^2$ /NDF: 20253.6/7

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

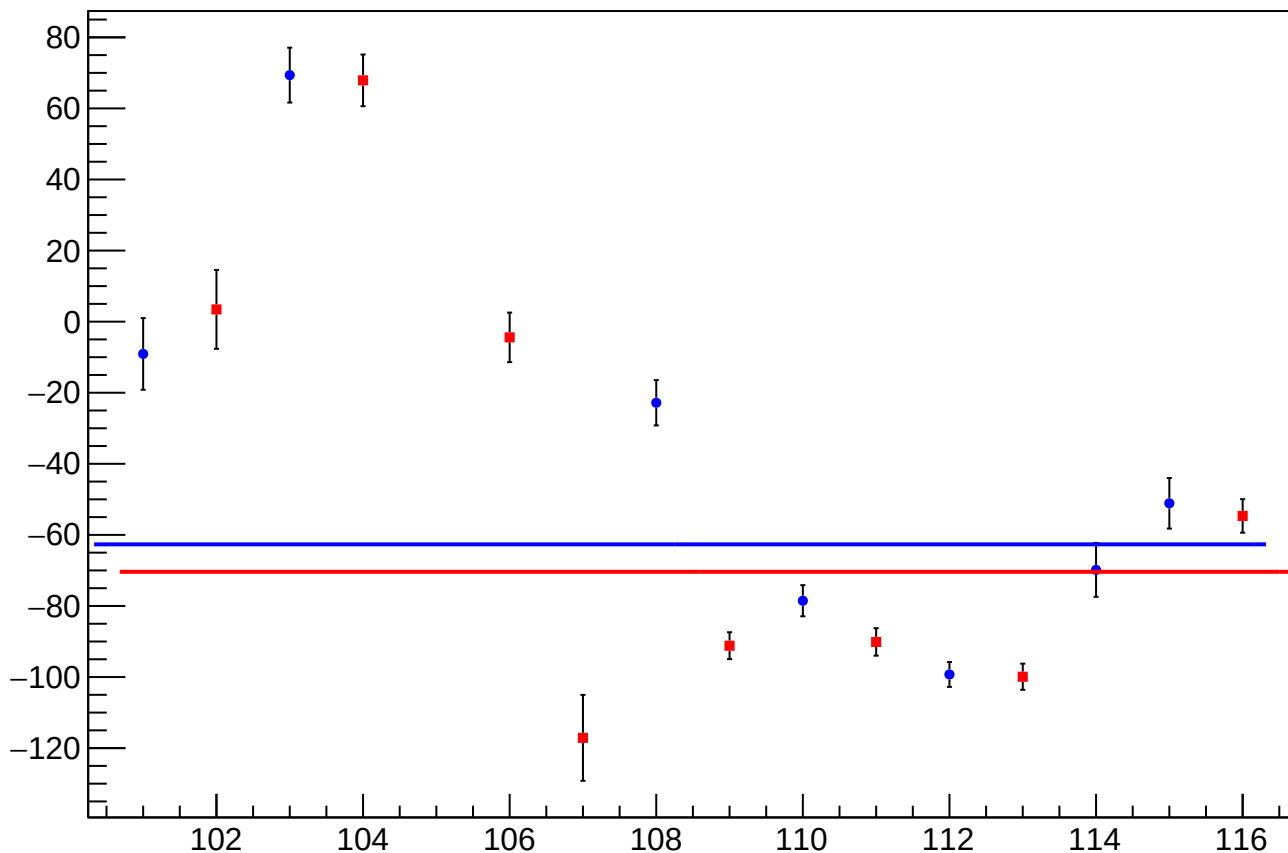
Right: 95.849 $\pm$ 0.076  $\chi^2$ /NDF: 61996.1/14

In: 98.690 $\pm$ 0.116  $\chi^2$ /NDF:40708.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 95.849 $\pm$ 0.076  $\chi^2$ /NDF: 61996.1/14

reg\_asym\_at1\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -62.663+/-2.121  $\chi^2/\text{NDF}$ : 485.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -70.385+/-1.795  $\chi^2/\text{NDF}$ : 642.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

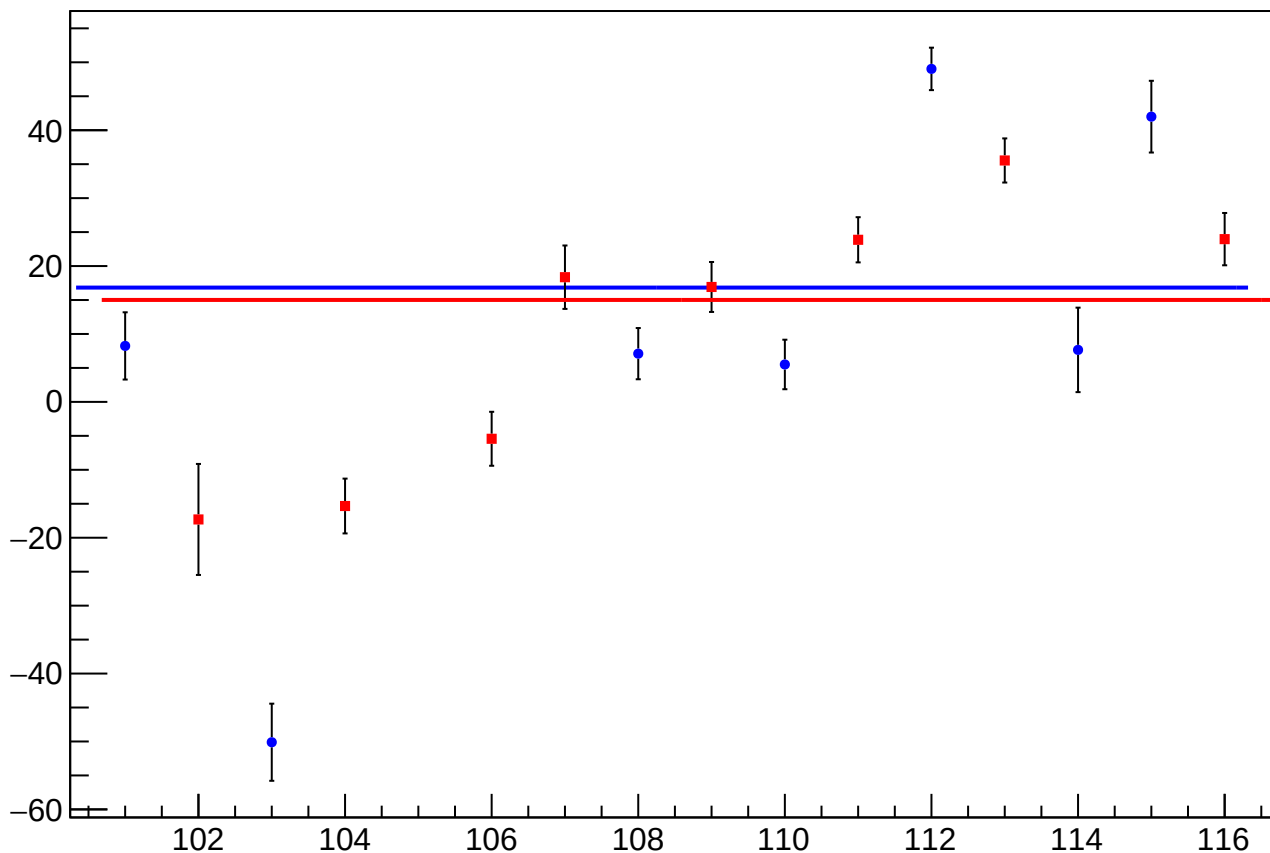
Right: -67.162+/-1.370  $\chi^2/\text{NDF}$ : 1136.0/14

In: -62.663+/-2.121  $\chi^2/\text{NDF}$ : 485.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -67.162+/-1.370  $\chi^2/\text{NDF}$ : 1136.0/14

reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 16.830+/-1.619  $\chi^2/\text{NDF}$ : 289.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 15.011+/-1.397  $\chi^2/\text{NDF}$ : 151.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

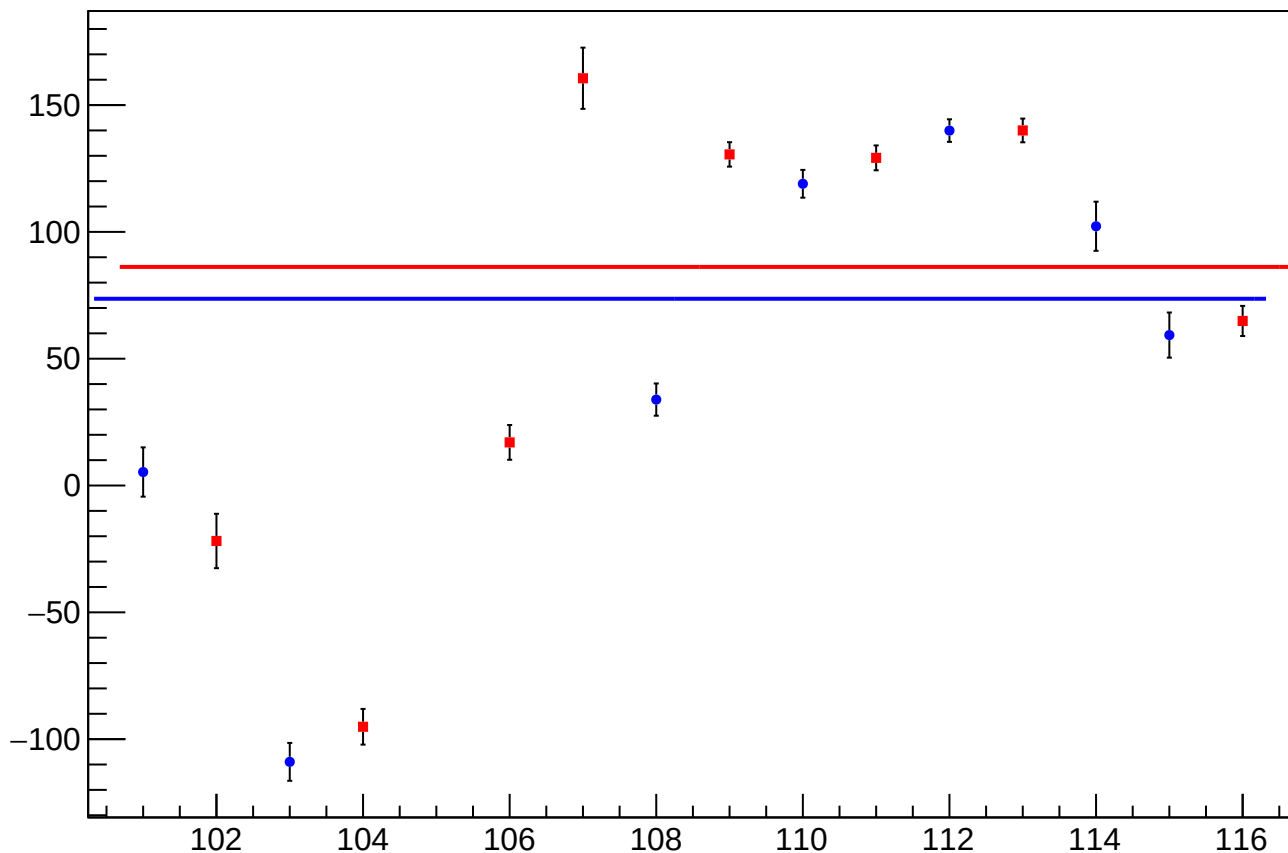
Right: 15.788+/-1.058  $\chi^2/\text{NDF}$ : 442.0/14

In: 16.830+/-1.619  $\chi^2/\text{NDF}$ : 289.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 15.788+/-1.058  $\chi^2/\text{NDF}$ : 442.0/14

reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 73.634+/-2.498  $\chi^2/\text{NDF}$ : 987.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 86.196+/-2.152  $\chi^2/\text{NDF}$ : 1212.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

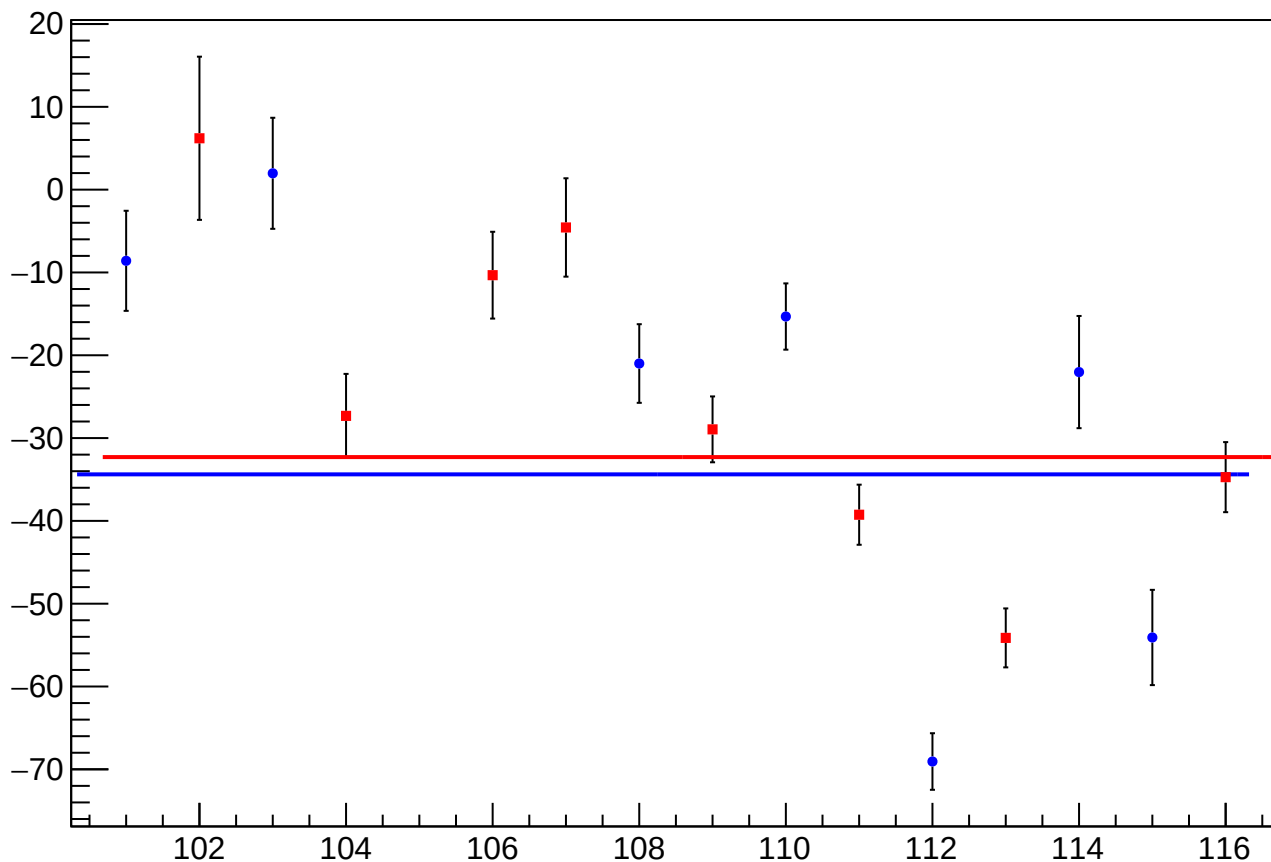
Right: 80.845+/-1.630  $\chi^2/\text{NDF}$ : 2214.4/14

In: 73.634+/-2.498  $\chi^2/\text{NDF}$ : 987.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 80.845+/-1.630  $\chi^2/\text{NDF}$ : 2214.4/14

reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -34.382 $\pm$ 1.844  $\chi^2$ /NDF: 196.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -32.295 $\pm$ 1.606  $\chi^2$ /NDF: 97.9/7

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

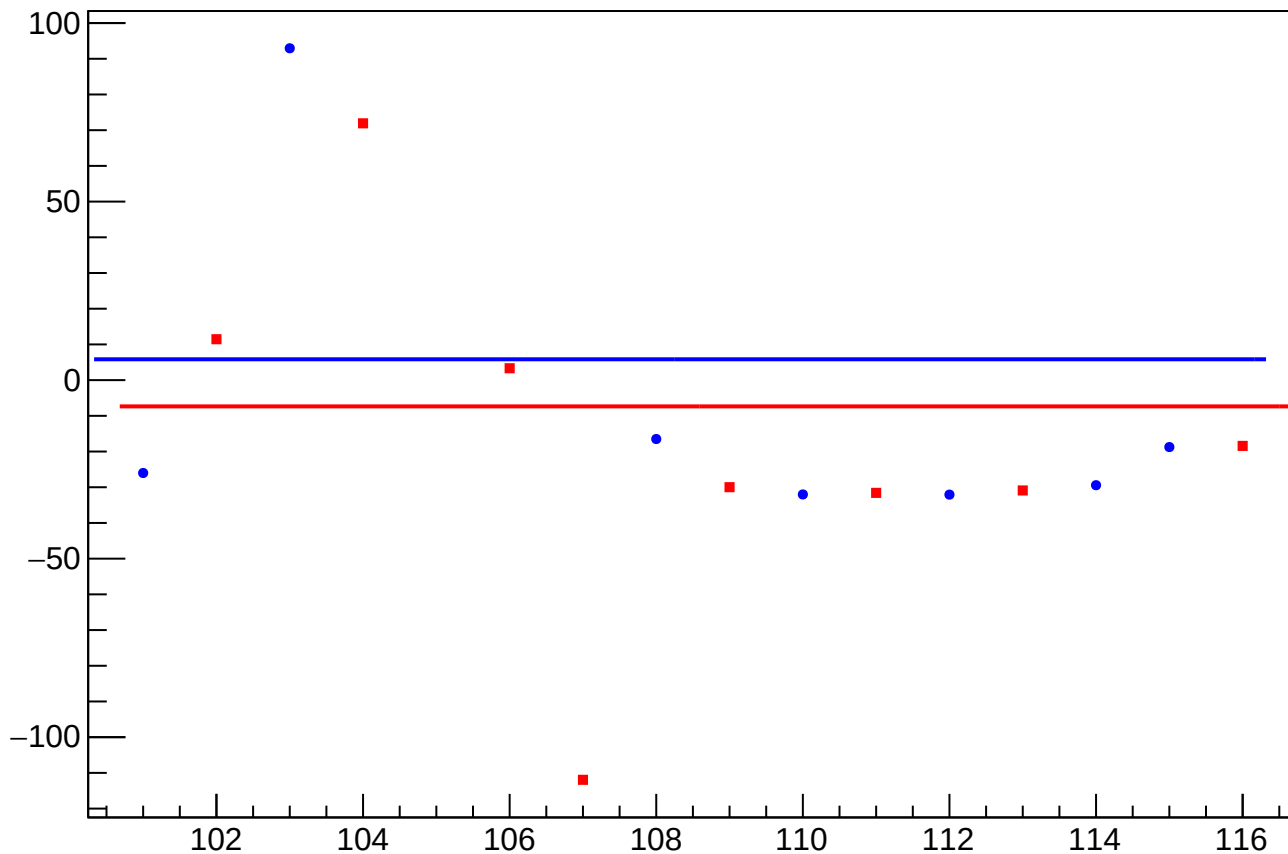
Right: -33.195 $\pm$ 1.211  $\chi^2$ /NDF: 295.0/14

In: -34.382 $\pm$ 1.844  $\chi^2$ /NDF:196.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -33.195 $\pm$ 1.211  $\chi^2$ /NDF: 295.0/14

reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 5.834+/-0.084  $\chi^2/\text{NDF}$ : 367025.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.353+/-0.076  $\chi^2/\text{NDF}$ : 386811.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -1.434+/-0.056  $\chi^2/\text{NDF}$ : 767407.4/14

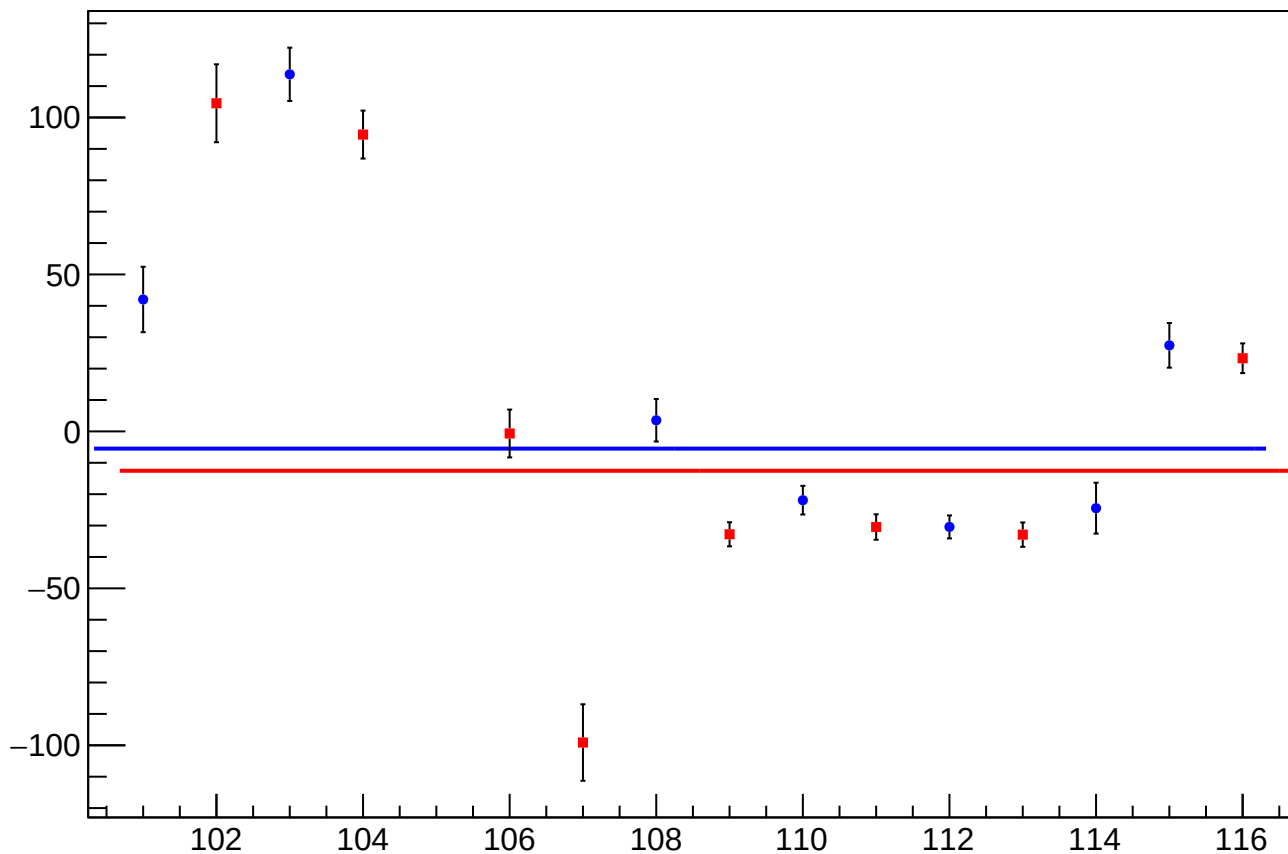
In: 5.834+/-0.084  $\chi^2/\text{NDF}$ : 367025.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.434+/-0.056  $\chi^2/\text{NDF}$ : 767407.4/14



reg\_asym\_at1\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-5.480 \pm 2.223$   $\chi^2/\text{NDF}$ : 306.0/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-12.539 \pm 1.865$   $\chi^2/\text{NDF}$ : 470.6/7

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

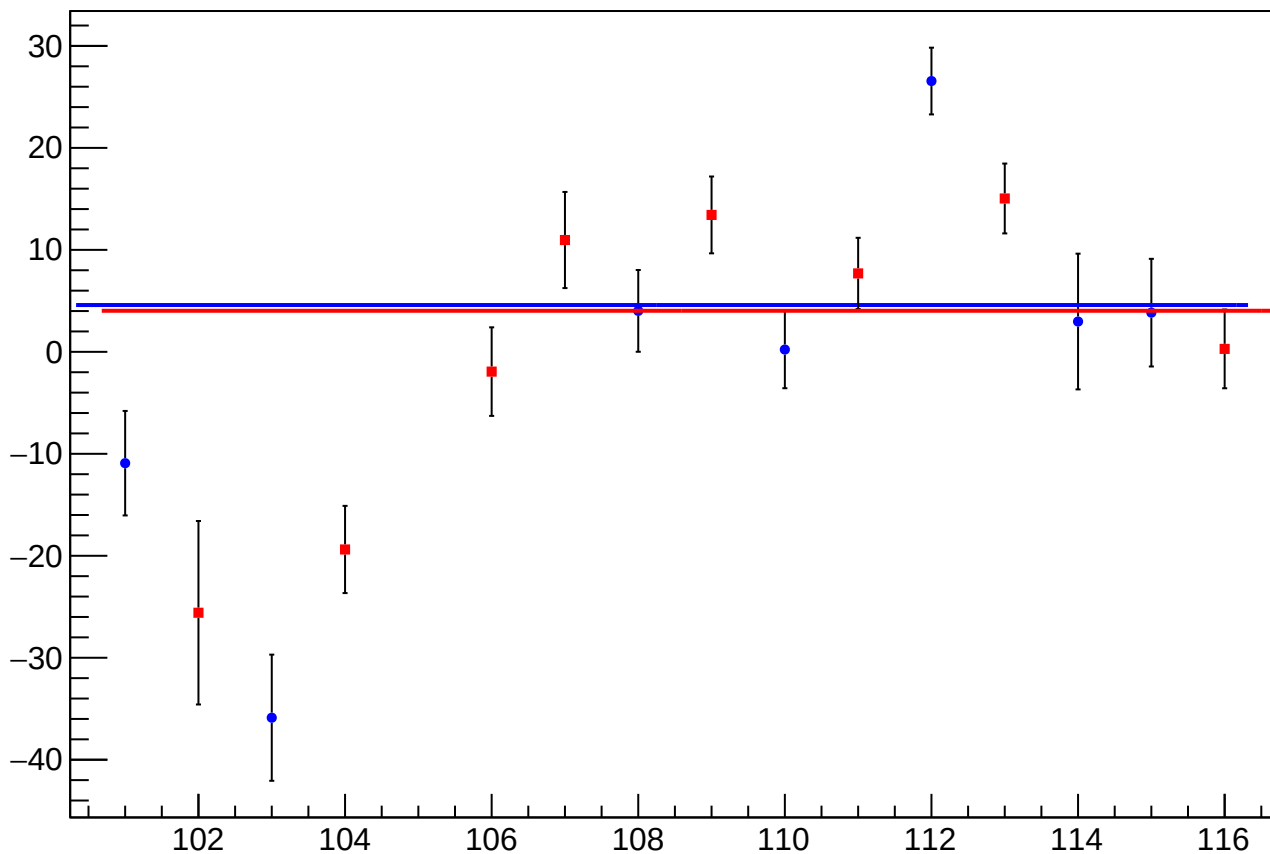
Right:  $-9.622 \pm 1.429$   $\chi^2/\text{NDF}$ : 782.5/14

In:  $-5.480 \pm 2.223$   $\chi^2/\text{NDF}$ : 306.0/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-9.622 \pm 1.429$   $\chi^2/\text{NDF}$ : 782.5/14

reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.590+/-1.696  $\chi^2/\text{NDF}$ : 98.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.029+/-1.459  $\chi^2/\text{NDF}$ : 63.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

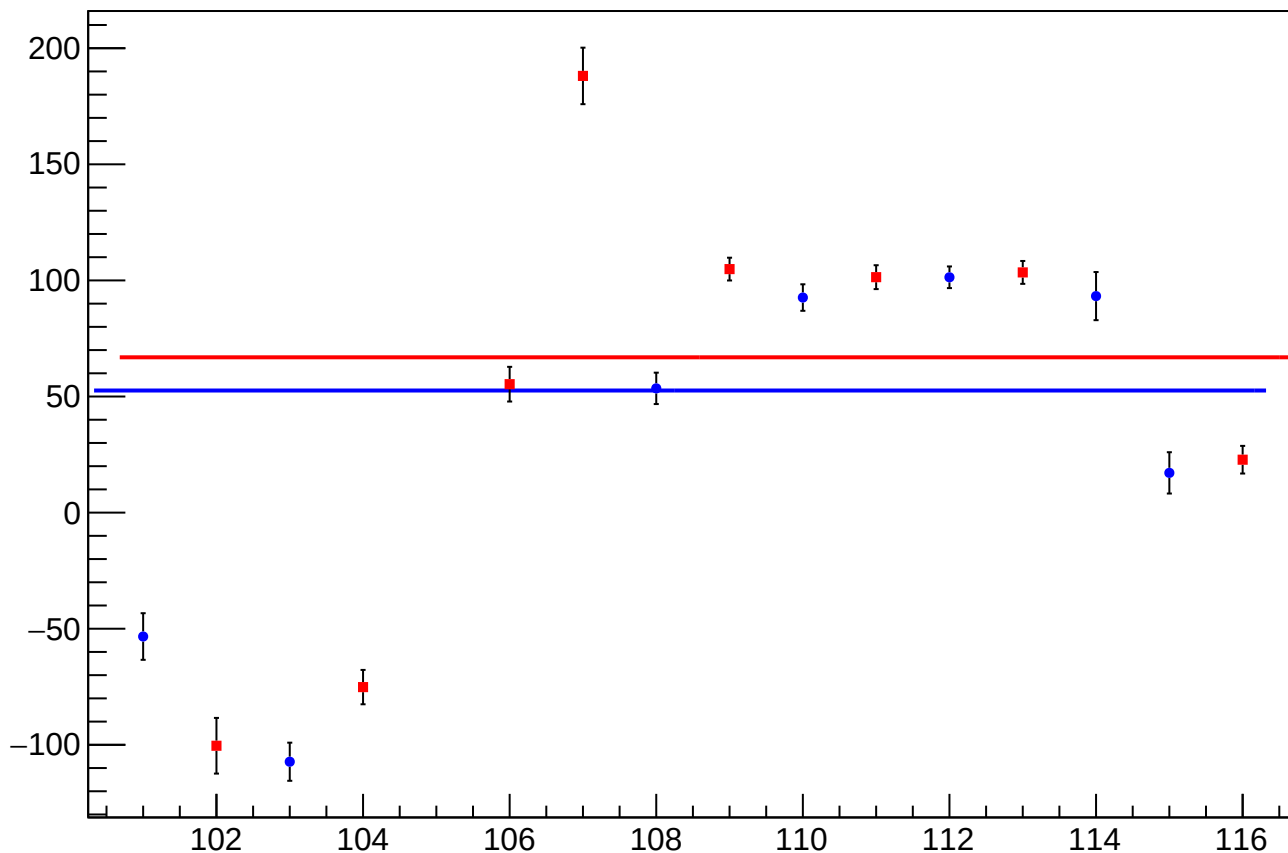
Right: 4.267+/-1.106  $\chi^2/\text{NDF}$ : 162.0/14

In: 4.590+/-1.696  $\chi^2/\text{NDF}$ : 98.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.267+/-1.106  $\chi^2/\text{NDF}$ : 162.0/14

reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 52.586 $\pm$ 2.624  $\chi^2$ /NDF: 680.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 66.885 $\pm$ 2.243  $\chi^2$ /NDF: 879.9/7

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

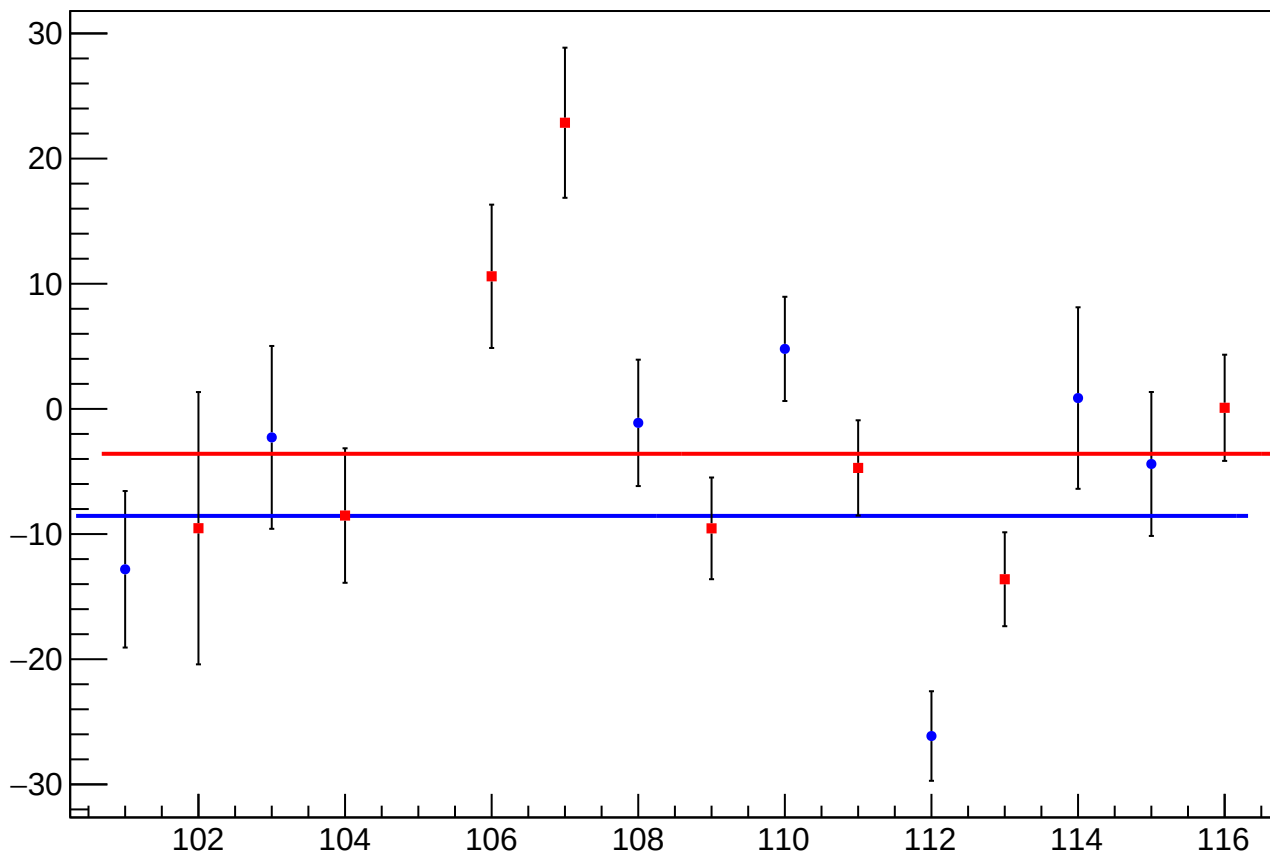
Right: 60.846 $\pm$ 1.705  $\chi^2$ /NDF: 1577.5/14

In: 52.586 $\pm$ 2.624  $\chi^2$ /NDF: 680.4/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 60.846 $\pm$ 1.705  $\chi^2$ /NDF: 1577.5/14

reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -8.549+/-1.930  $\chi^2/\text{NDF}$ : 40.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.586+/-1.672  $\chi^2/\text{NDF}$ : 36.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

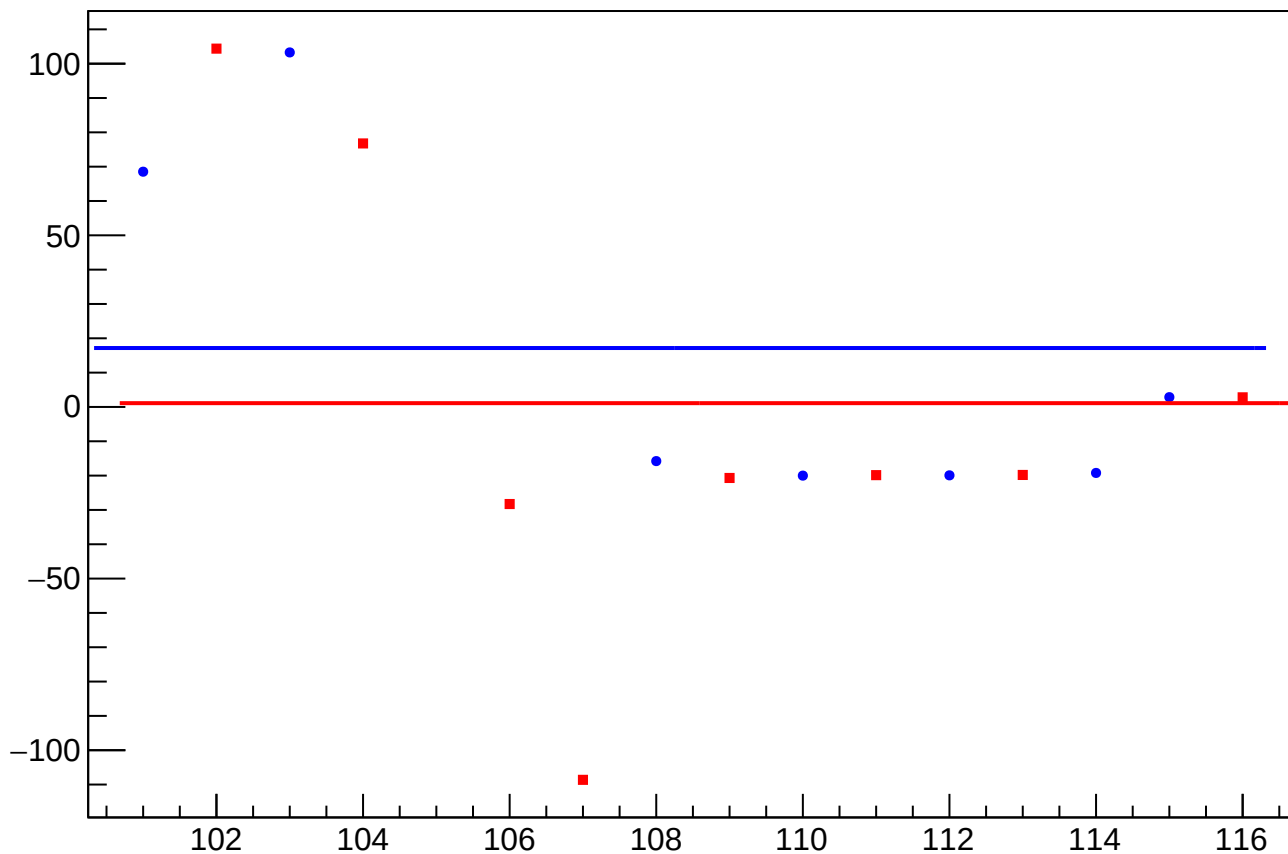
Right: -5.715+/-1.264  $\chi^2/\text{NDF}$ : 80.6/14

In: -8.549+/-1.930  $\chi^2/\text{NDF}$ : 40.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.715+/-1.264  $\chi^2/\text{NDF}$ : 80.6/14

reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 17.167+/-0.089  $\chi^2/\text{NDF}$ : 339735.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.105+/-0.080  $\chi^2/\text{NDF}$ : 503338.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

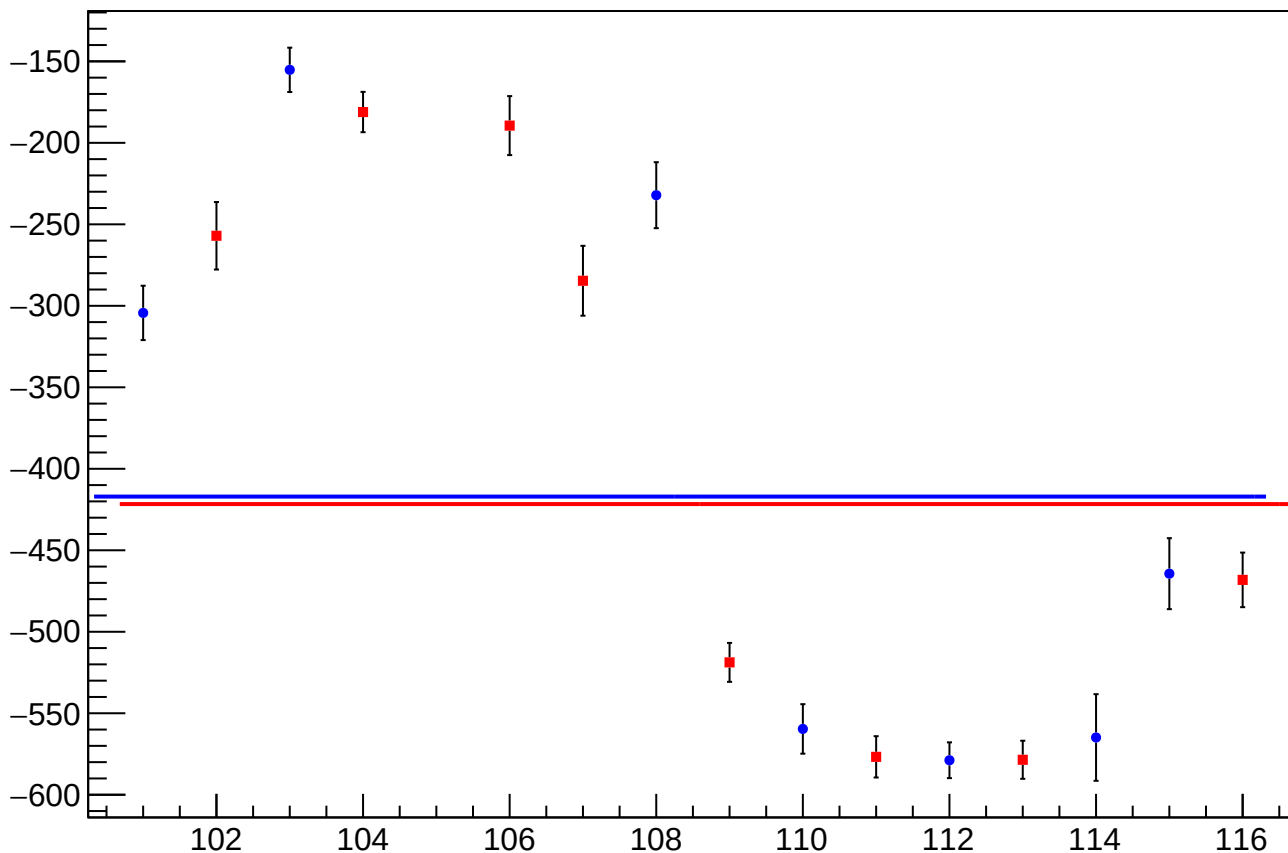
Right: 8.257+/-0.060  $\chi^2/\text{NDF}$ : 861016.4/14

In: 17.167+/-0.089  $\chi^2/\text{NDF}$ : 339735.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.257+/-0.060  $\chi^2/\text{NDF}$ : 861016.4/14

reg\_asym\_at2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -417.046+/-6.020  $\chi^2/\text{NDF}$ : 840.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -421.650+/-5.115  $\chi^2/\text{NDF}$ : 1050.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

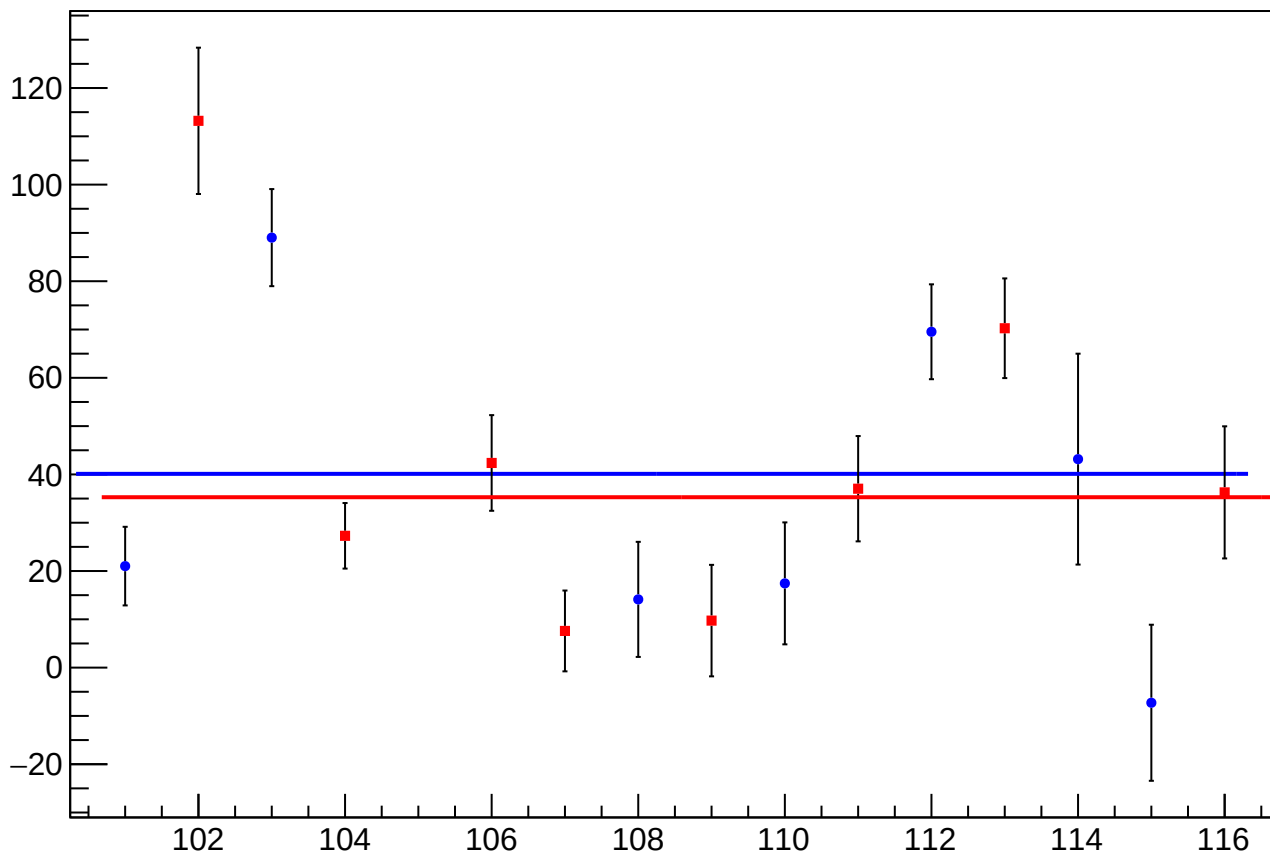
Right: -419.720+/-3.898  $\chi^2/\text{NDF}$ : 1891.1/14

In: -417.046+/-6.020  $\chi^2/\text{NDF}$ : 840.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -419.720+/-3.898  $\chi^2/\text{NDF}$ : 1891.1/14

reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 40.117 $\pm$ 4.279  $\chi^2$ /NDF: 54.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 35.278 $\pm$ 3.509  $\chi^2$ /NDF: 55.7/7

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

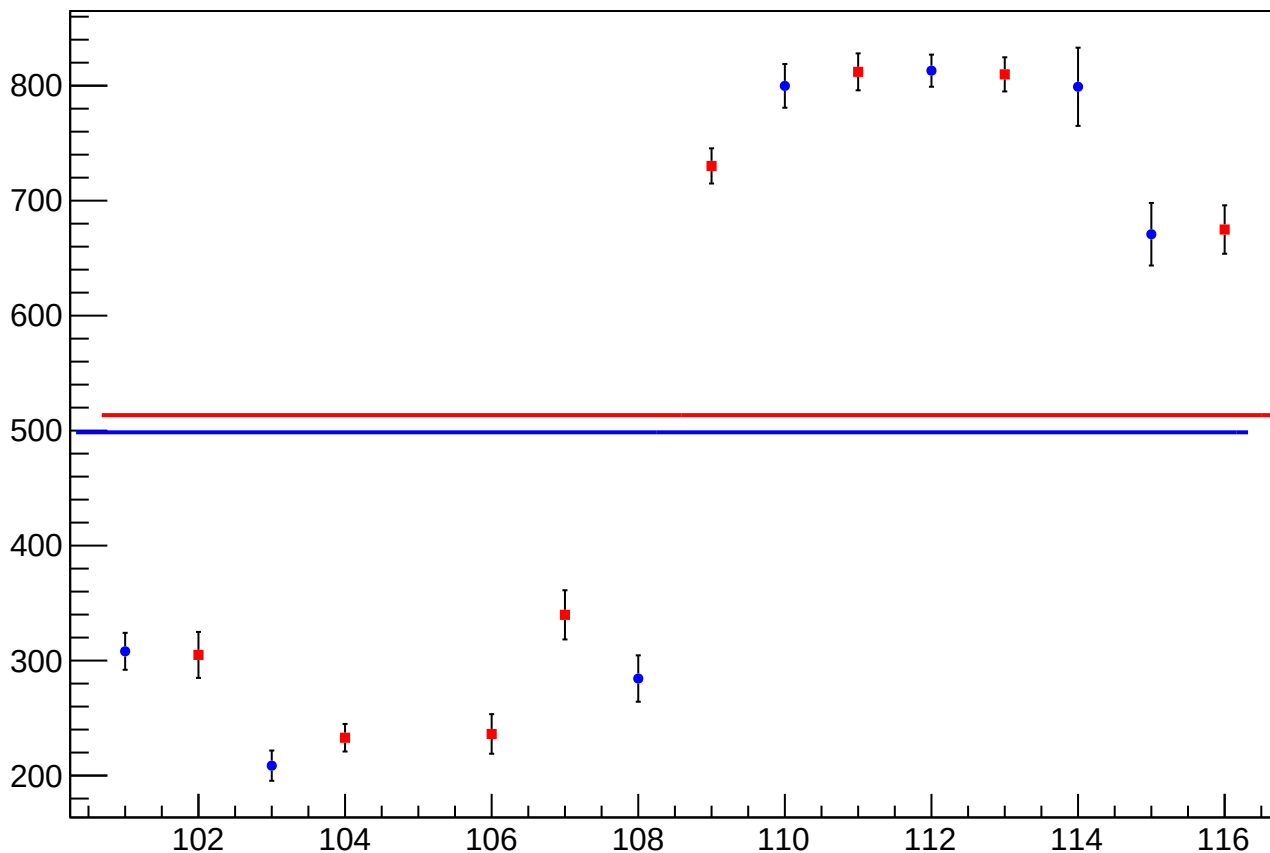
Right: 37.224 $\pm$ 2.713  $\chi^2$ /NDF: 111.3/14

In: 40.117 $\pm$ 4.279  $\chi^2$ /NDF:54.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 37.224 $\pm$ 2.713  $\chi^2$ /NDF: 111.3/14

reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 498.526+/-6.711  $\chi^2/\text{NDF}$ : 1614.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 513.492+/-5.778  $\chi^2/\text{NDF}$ : 1985.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 507.121+/-4.379  $\chi^2/\text{NDF}$ : 3602.2/14

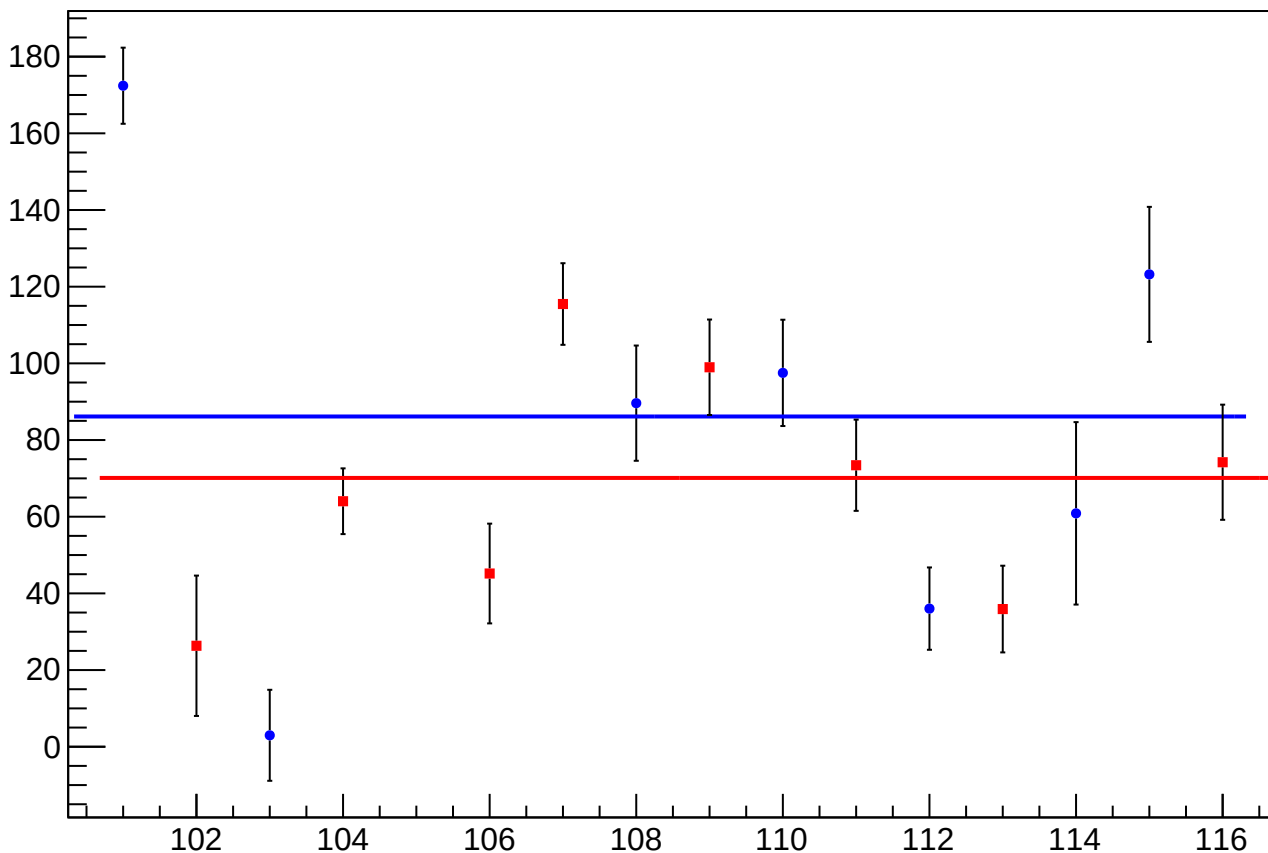
In: 498.526+/-6.711  $\chi^2/\text{NDF}$ :1614.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 507.121+/-4.379  $\chi^2/\text{NDF}$ : 3602.2/14



reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 86.140+/-4.966  $\chi^2/\text{NDF}$ : 152.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 70.114+/-4.185  $\chi^2/\text{NDF}$ : 42.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

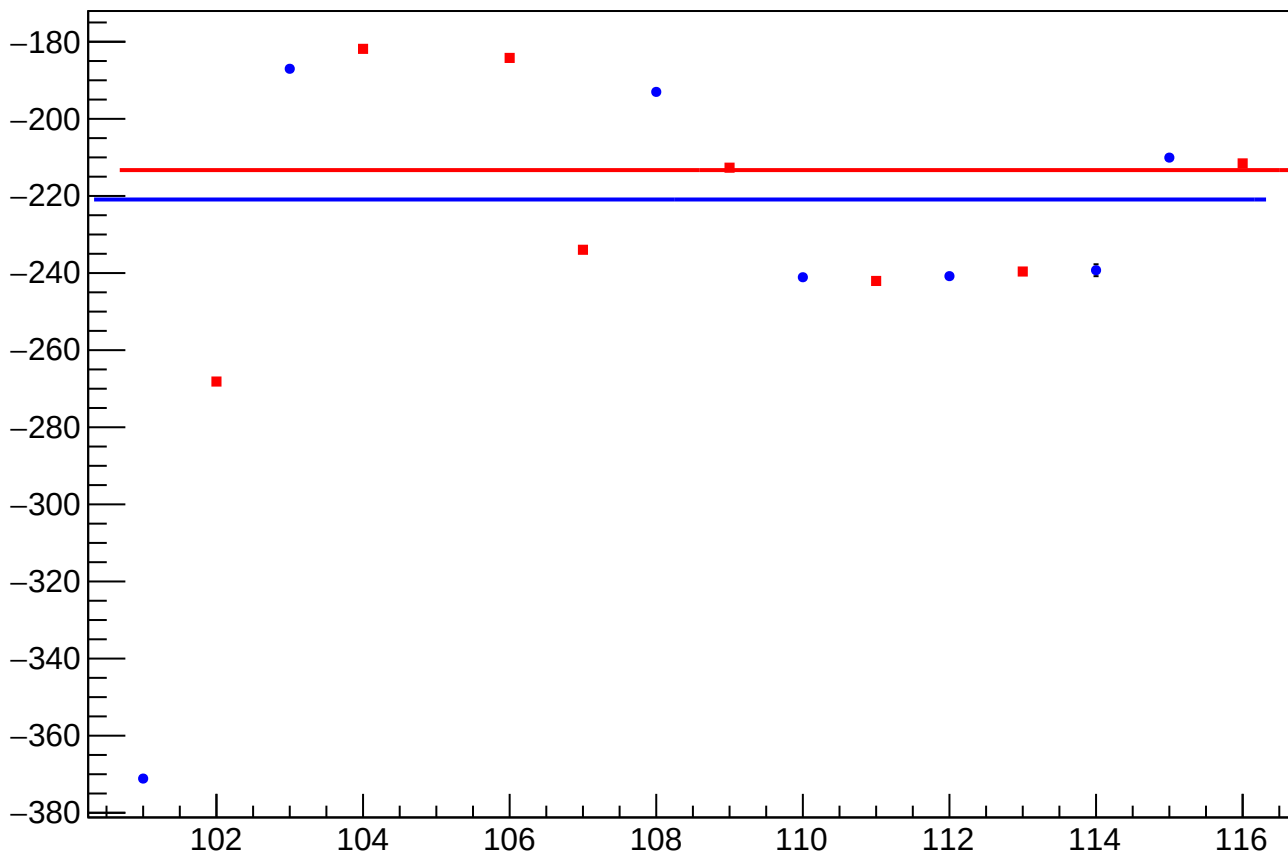
Right: 76.769+/-3.200  $\chi^2/\text{NDF}$ : 201.5/14

In: 86.140+/-4.966  $\chi^2/\text{NDF}$ : 152.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 76.769+/-3.200  $\chi^2/\text{NDF}$ : 201.5/14

reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -220.920+/-0.205  $\chi^2/\text{NDF}$ : 85886.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -213.293+/-0.180  $\chi^2/\text{NDF}$ : 32381.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

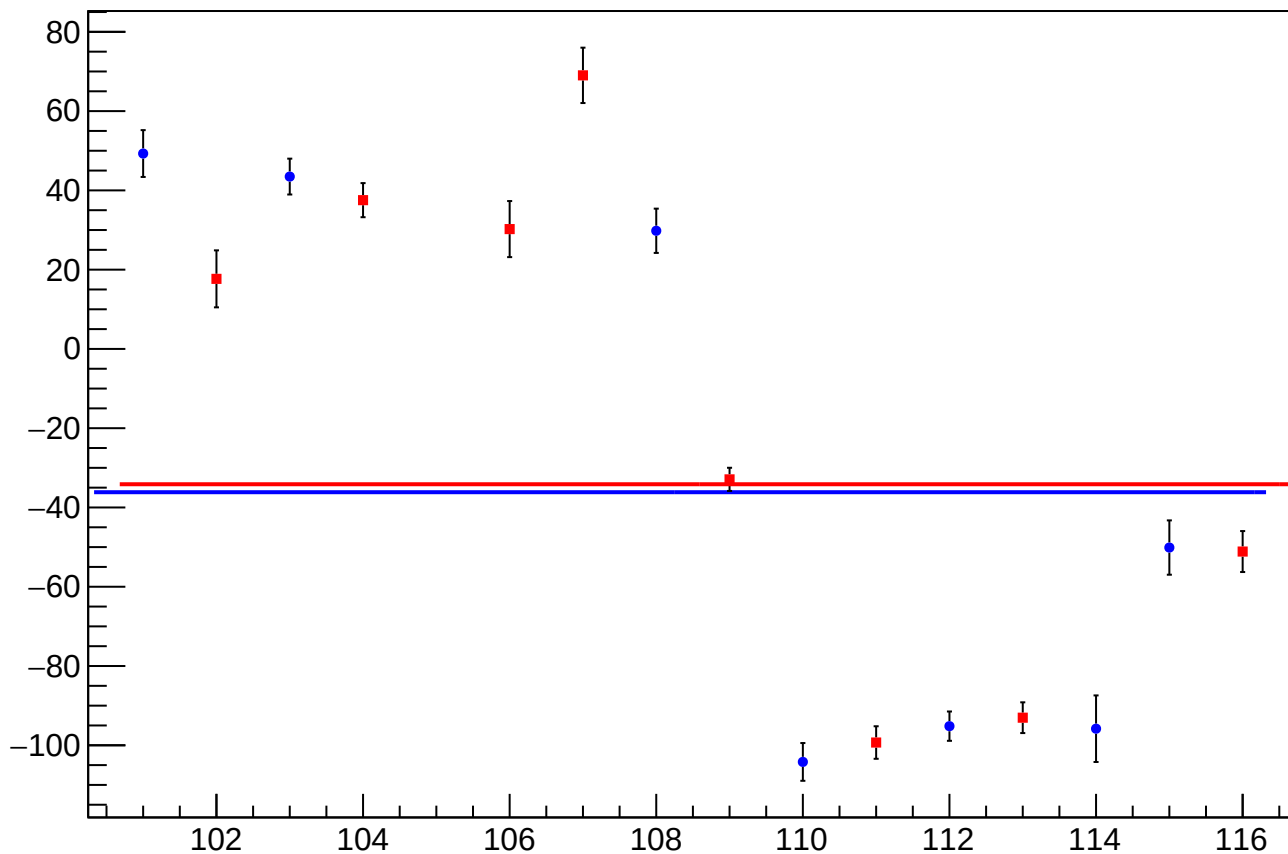
Right: -216.620+/-0.135  $\chi^2/\text{NDF}$ : 119048.3/14

In: -220.920+/-0.205  $\chi^2/\text{NDF}$ :85886.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -216.620+/-0.135  $\chi^2/\text{NDF}$ : 119048.3/14

reg\_asym\_at2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -36.150+/-1.953  $\chi^2/\text{NDF}$ : 1171.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -34.140+/-1.593  $\chi^2/\text{NDF}$ : 1124.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

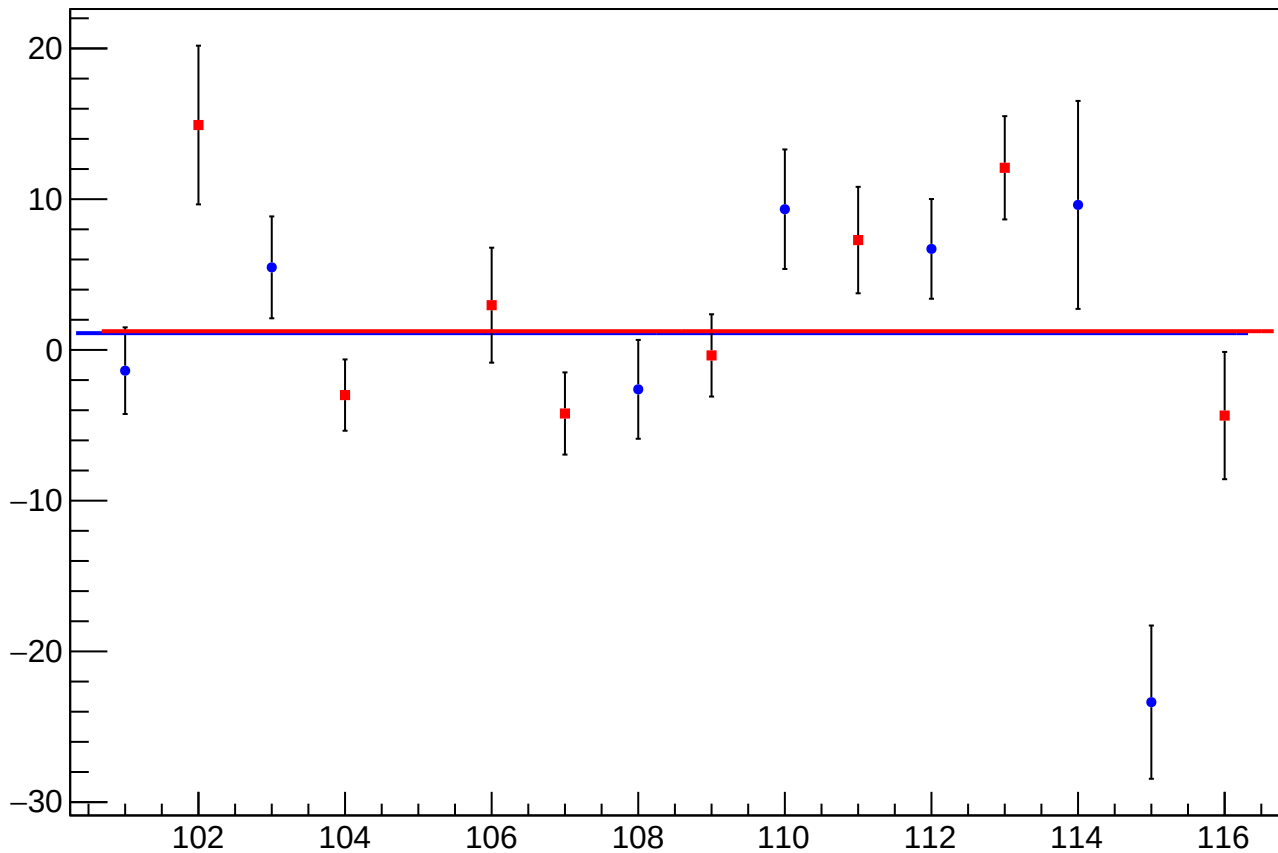
Right: -34.943+/-1.234  $\chi^2/\text{NDF}$ : 2296.5/14

In: -36.150+/-1.953  $\chi^2/\text{NDF}$ : 1171.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -34.943+/-1.234  $\chi^2/\text{NDF}$ : 2296.5/14

reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.113+/-1.392  $\chi^2/\text{NDF}$ : 35.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.242+/-1.137  $\chi^2/\text{NDF}$ : 29.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

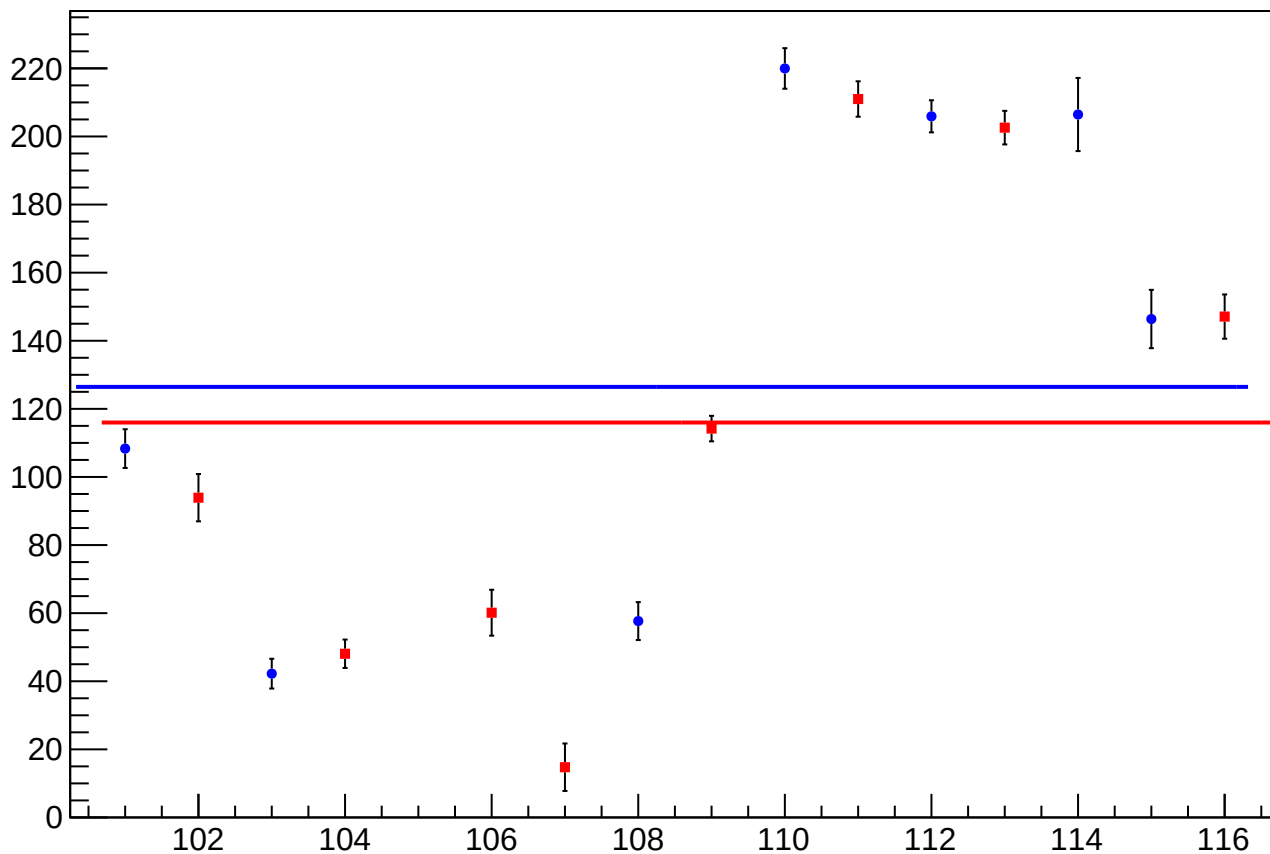
Right: 1.190+/-0.880  $\chi^2/\text{NDF}$ : 64.8/14

In: 1.113+/-1.392  $\chi^2/\text{NDF}$ : 35.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.190+/-0.880  $\chi^2/\text{NDF}$ : 64.8/14

reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 126.453+/-2.178  $\chi^2/\text{NDF}$ : 1124.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 115.988+/-1.844  $\chi^2/\text{NDF}$ : 1220.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

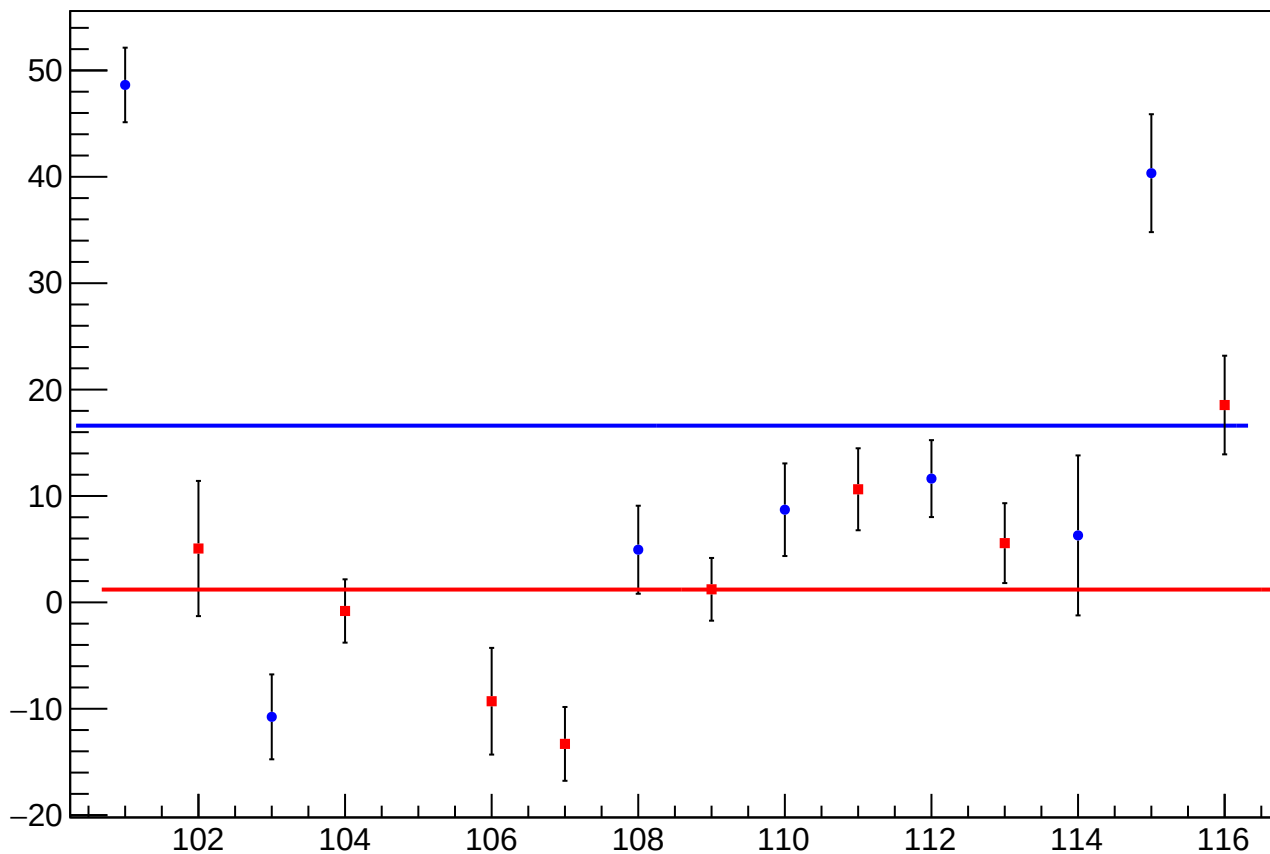
Right: 120.359+/-1.407  $\chi^2/\text{NDF}$ : 2358.8/14

In: 126.453+/-2.178  $\chi^2/\text{NDF}$ : 1124.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 120.359+/-1.407  $\chi^2/\text{NDF}$ : 2358.8/14

reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 16.611 $\pm$ 1.618  $\chi^2$ /NDF: 163.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.204 $\pm$ 1.336  $\chi^2$ /NDF: 44.0/7

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

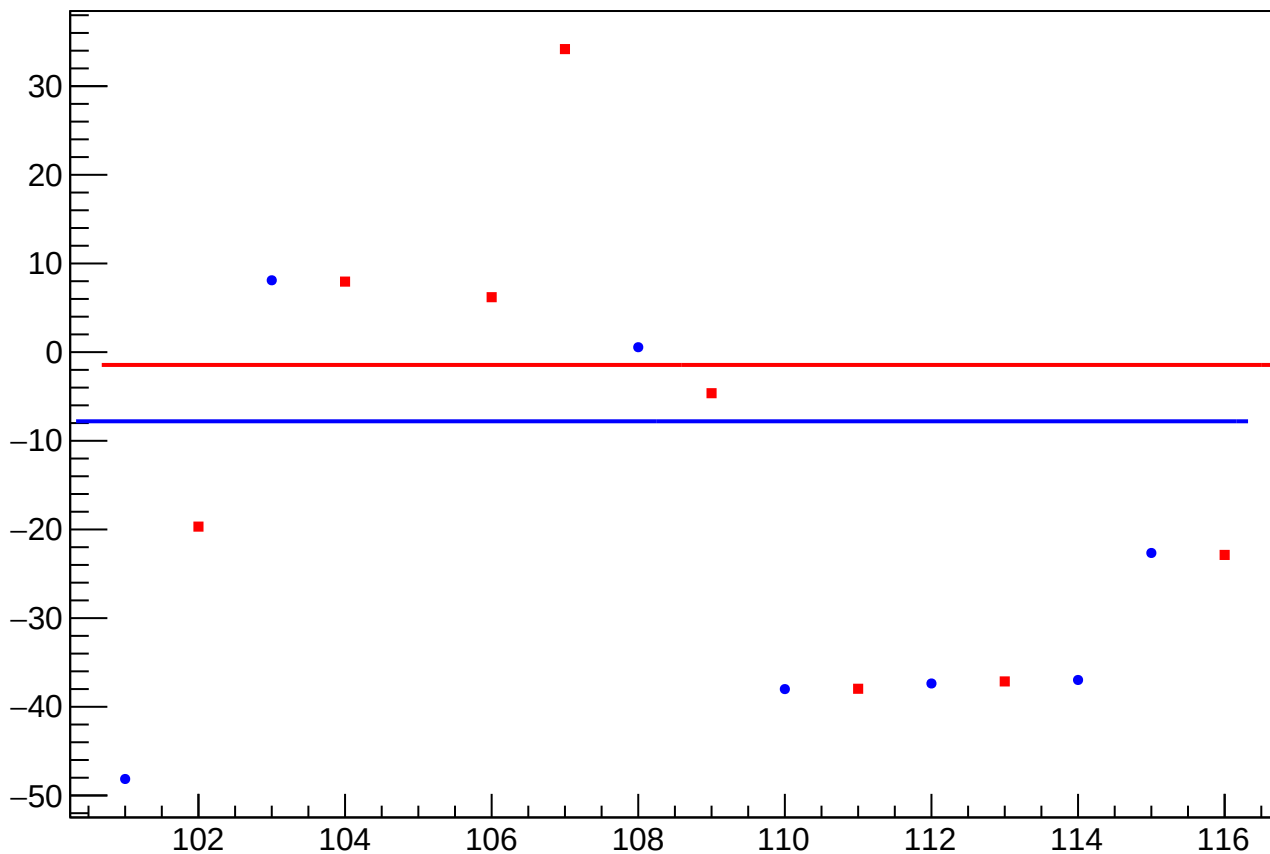
Right: 7.451 $\pm$ 1.030  $\chi^2$ /NDF: 261.9/14

In: 16.611 $\pm$ 1.618  $\chi^2$ /NDF: 163.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.451 $\pm$ 1.030  $\chi^2$ /NDF: 261.9/14

reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -7.799+/-0.065  $\chi^2/\text{NDF}$ : 103554.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.444+/-0.060  $\chi^2/\text{NDF}$ : 125790.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

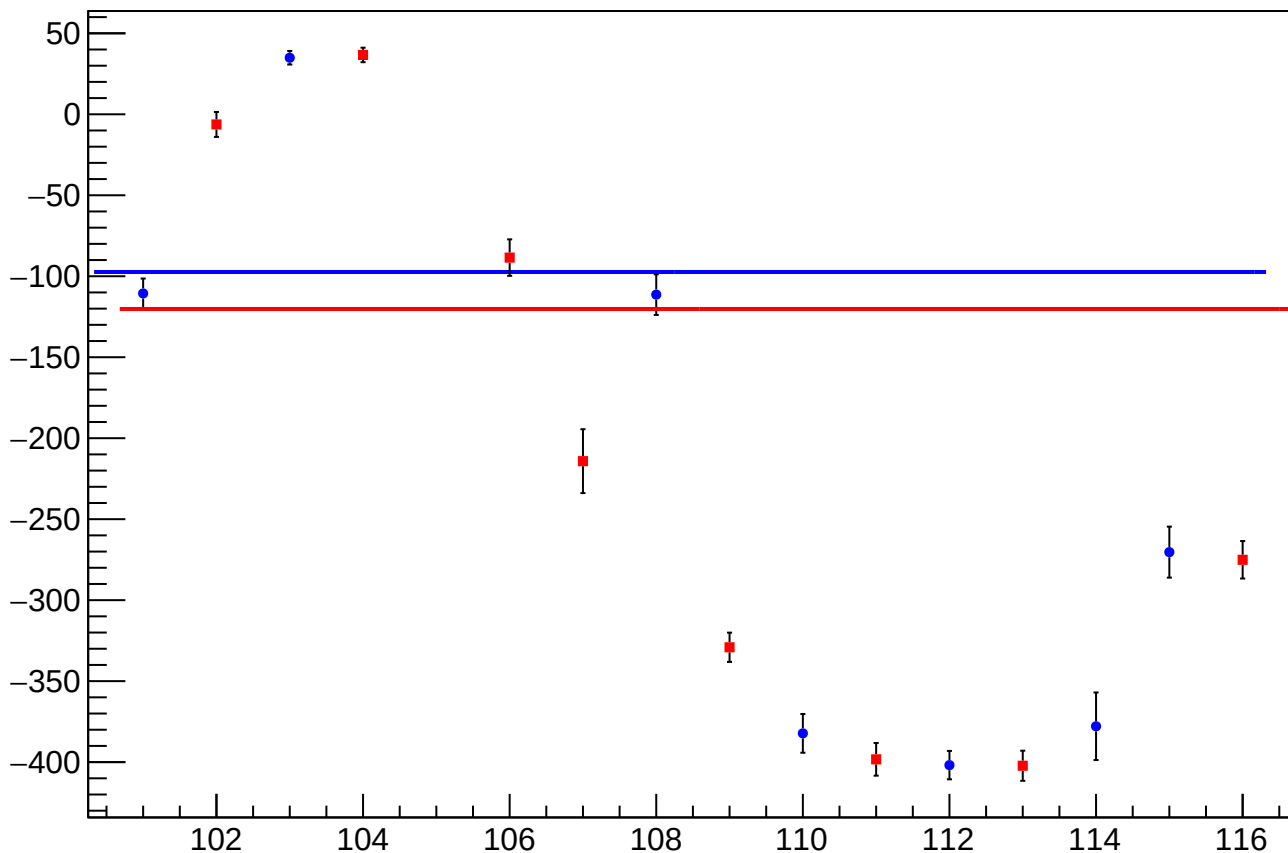
Right: -4.329+/-0.044  $\chi^2/\text{NDF}$ : 234495.8/14

In: -7.799+/-0.065  $\chi^2/\text{NDF}$ : 103554.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -4.329+/-0.044  $\chi^2/\text{NDF}$ : 234495.8/14

reg\_asym\_atl1r2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -97.369+/-3.139  $\chi^2/\text{NDF}$ : 3075.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -120.211+/-2.910  $\chi^2/\text{NDF}$ : 3864.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -109.651+/-2.134  $\chi^2/\text{NDF}$ : 6968.5/14

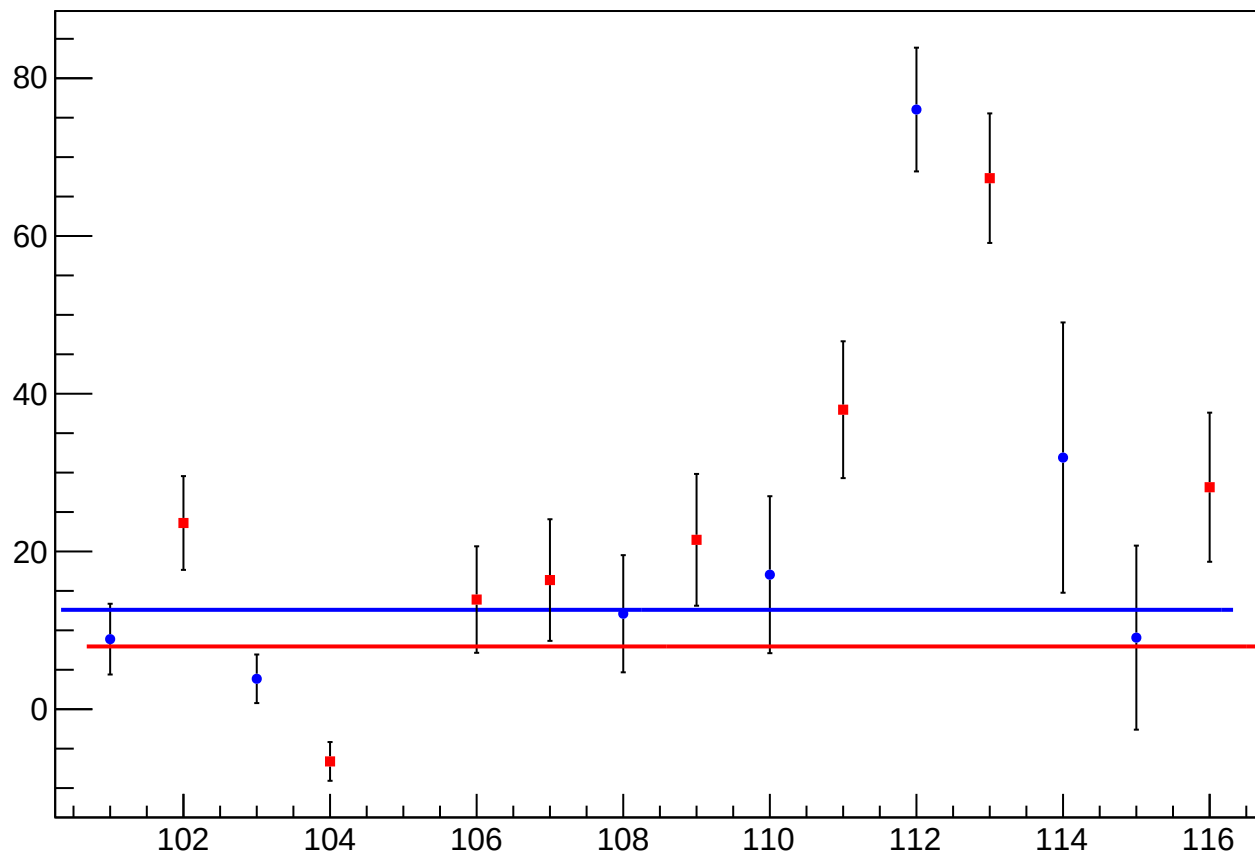
In: -97.369+/-3.139  $\chi^2/\text{NDF}$ : 3075.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -109.651+/-2.134  $\chi^2/\text{NDF}$ : 6968.5/14



reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 12.601+/-2.181  $\chi^2/\text{NDF}$ : 75.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.956+/-1.869  $\chi^2/\text{NDF}$ : 115.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

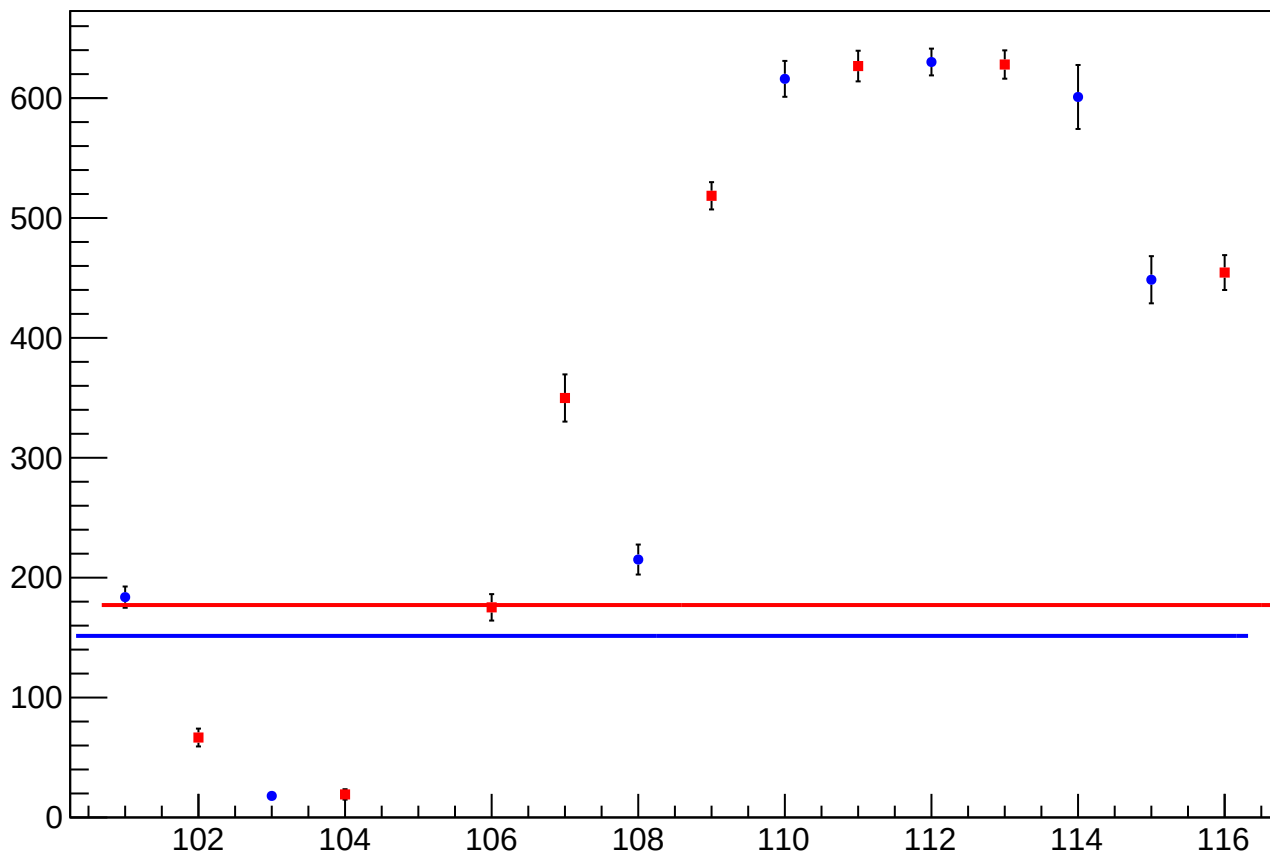
Right: 9.923+/-1.419  $\chi^2/\text{NDF}$ : 193.8/14

In: 12.601+/-2.181  $\chi^2/\text{NDF}$ : 75.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.923+/-1.419  $\chi^2/\text{NDF}$ : 193.8/14

reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 151.435+/-3.218  $\chi^2/\text{NDF}$ : 4438.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 177.165+/-3.050  $\chi^2/\text{NDF}$ : 5571.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

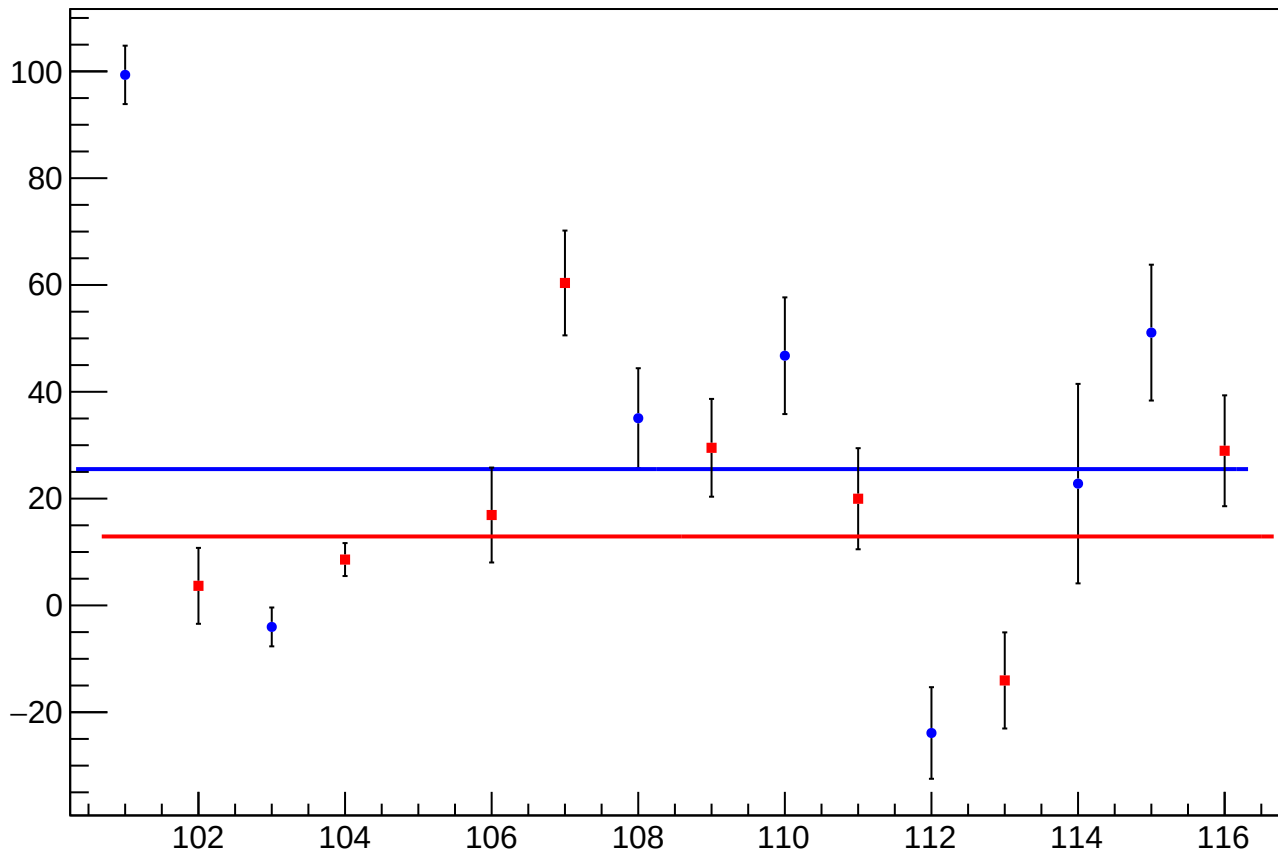
Right: 164.989+/-2.214  $\chi^2/\text{NDF}$ : 10043.4/14

In: 151.435+/-3.218  $\chi^2/\text{NDF}$ : 4438.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 164.989+/-2.214  $\chi^2/\text{NDF}$ : 10043.4/14

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 25.524+/-2.570  $\chi^2/\text{NDF}$ : 290.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 12.910+/-2.279  $\chi^2/\text{NDF}$ : 42.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

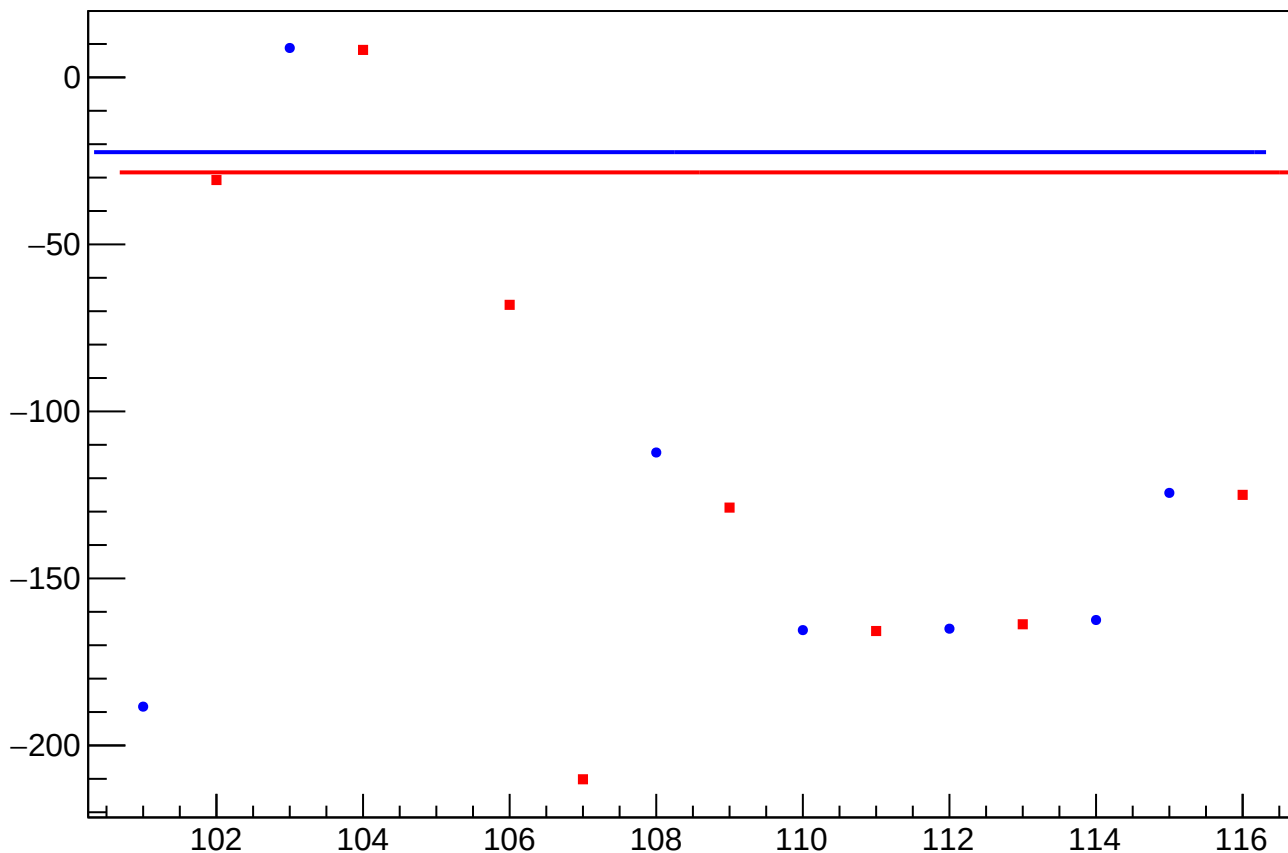
Right: 18.463+/-1.705  $\chi^2/\text{NDF}$ : 346.2/14

In: 25.524+/-2.570  $\chi^2/\text{NDF}$ : 290.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 18.463+/-1.705  $\chi^2/\text{NDF}$ : 346.2/14

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -22.384+/-0.081  $\chi^2/\text{NDF}$ : 631149.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -28.440+/-0.082  $\chi^2/\text{NDF}$ : 484655.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

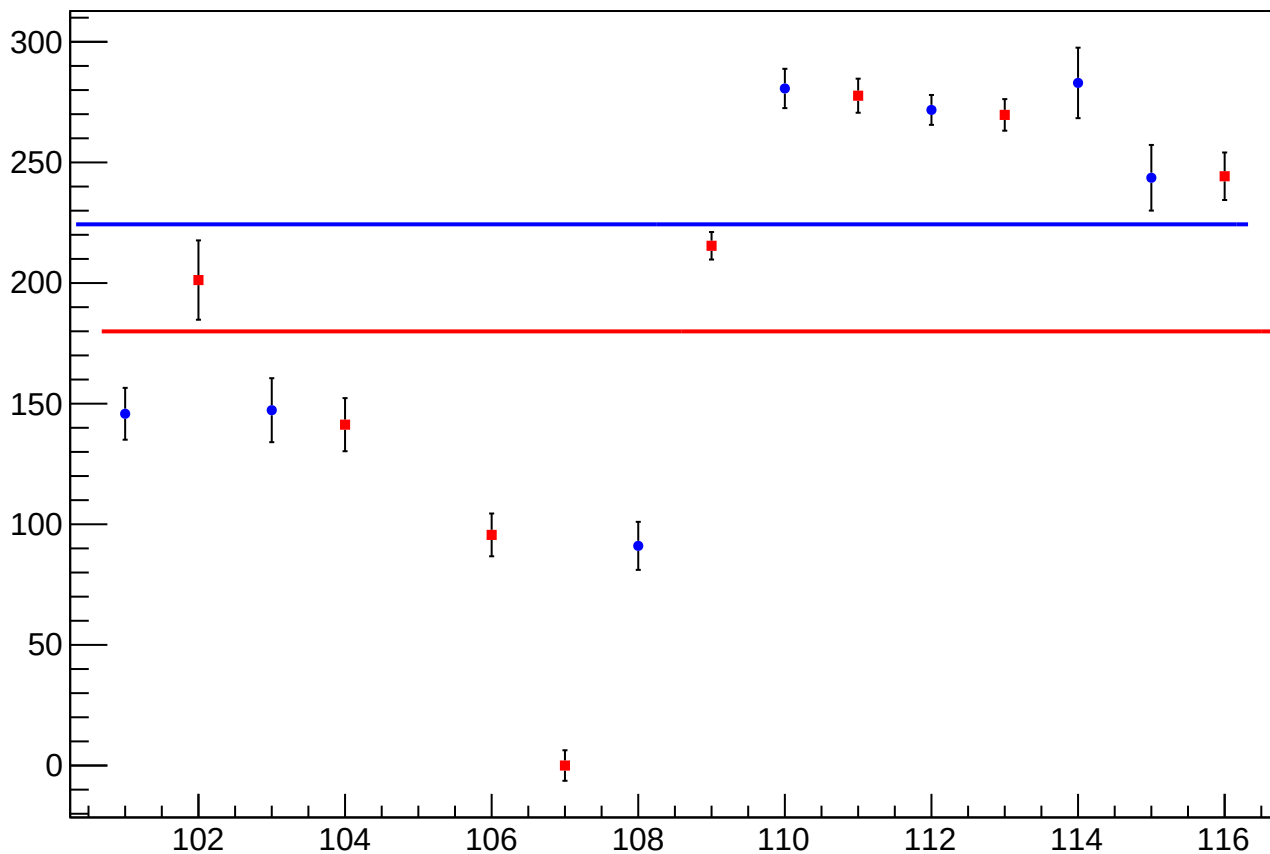
Right: -25.387+/-0.058  $\chi^2/\text{NDF}$ : 1118552.8/14

In: -22.384+/-0.081  $\chi^2/\text{NDF}$ : 631149.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -25.387+/-0.058  $\chi^2/\text{NDF}$ : 1118552.8/14

reg\_asym\_atl1r2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 224.341+/-3.636  $\chi^2/\text{NDF}$ : 391.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 179.960+/-2.731  $\chi^2/\text{NDF}$ : 1373.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

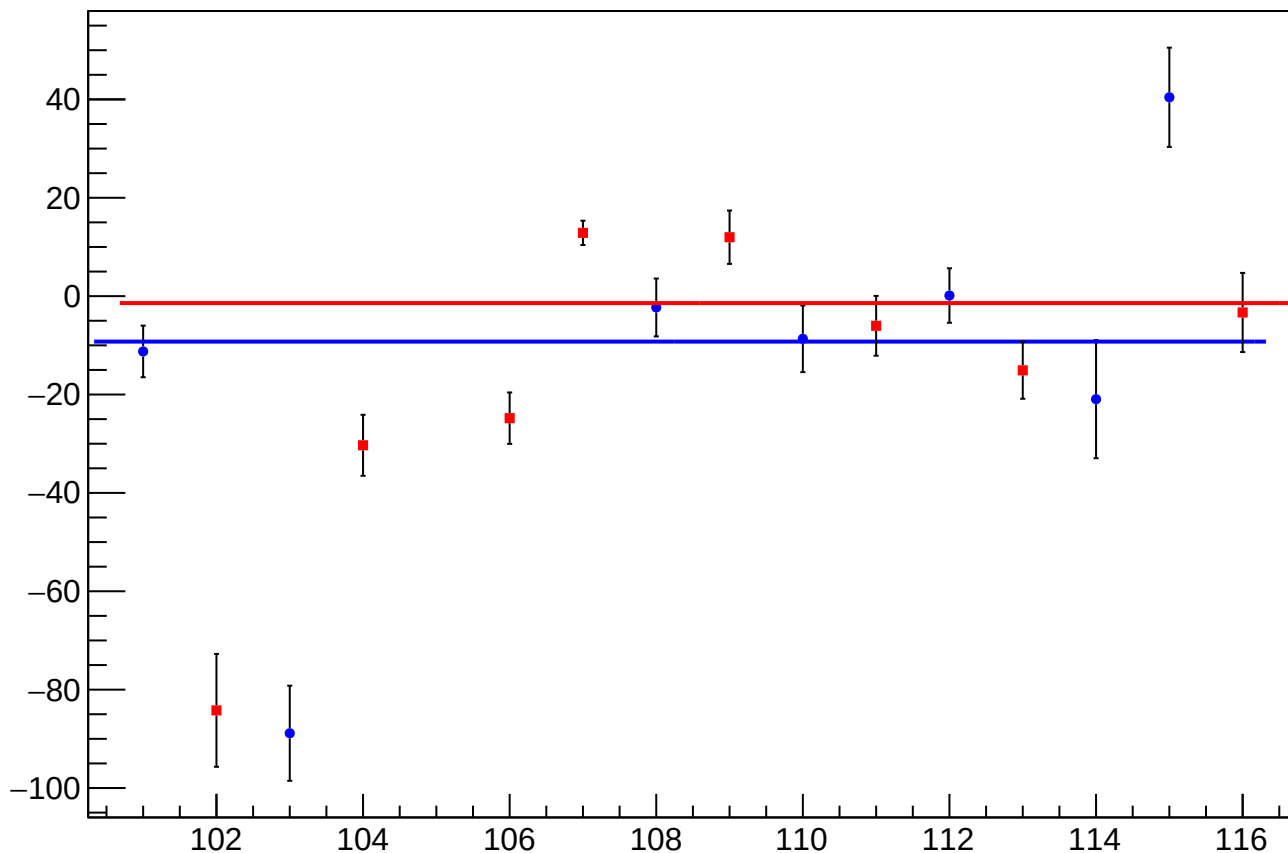
Right: 195.969+/-2.184  $\chi^2/\text{NDF}$ : 1860.0/14

In: 224.341+/-3.636  $\chi^2/\text{NDF}$ : 391.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 195.969+/-2.184  $\chi^2/\text{NDF}$ : 1860.0/14

reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -9.239+/-2.608  $\chi^2/\text{NDF}$ : 97.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -1.410+/-1.713  $\chi^2/\text{NDF}$ : 139.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

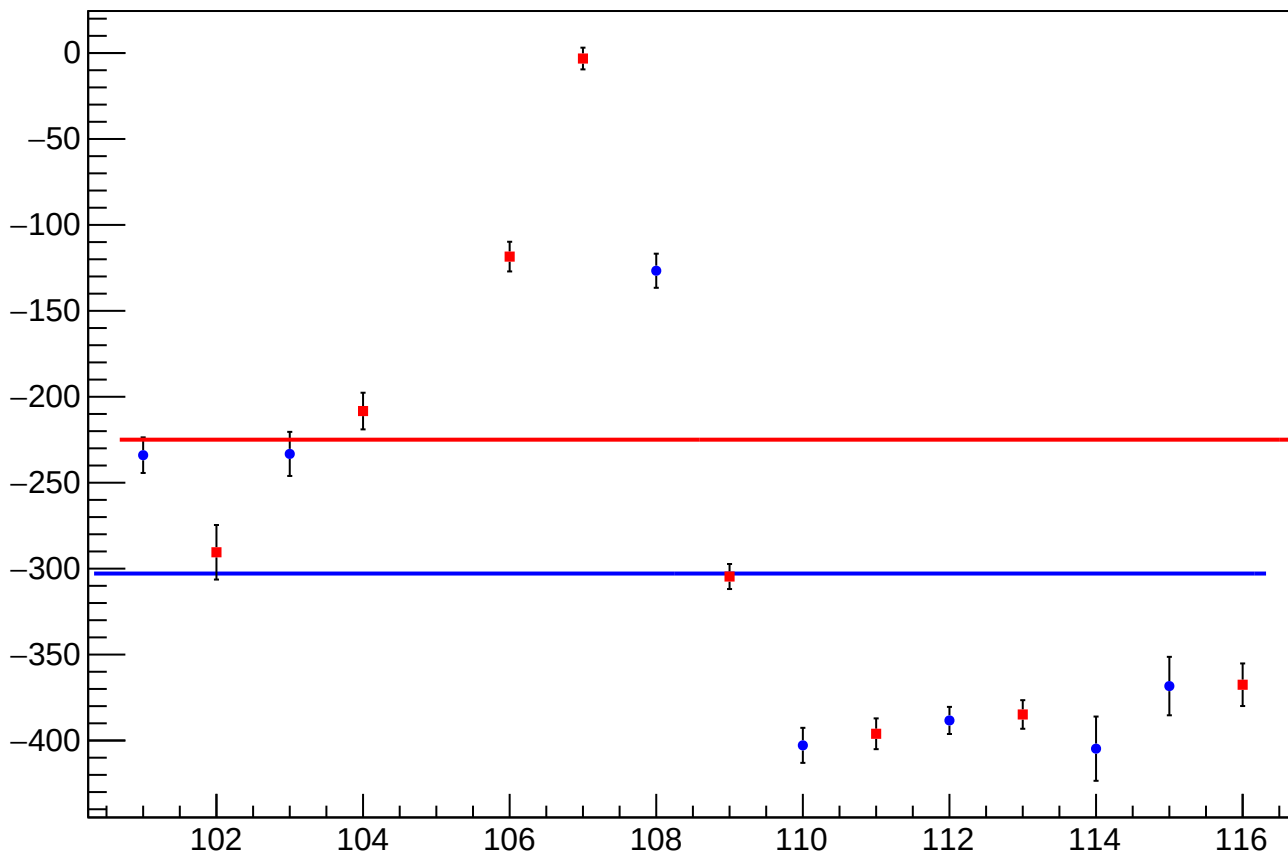
Right: -3.769+/-1.432  $\chi^2/\text{NDF}$ : 243.4/14

In: -9.239+/-2.608  $\chi^2/\text{NDF}$ :97.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -3.769+/-1.432  $\chi^2/\text{NDF}$ : 243.4/14

reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -302.851+/-4.168  $\chi^2/\text{NDF}$ : 646.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -224.961+/-3.108  $\chi^2/\text{NDF}$ : 2390.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

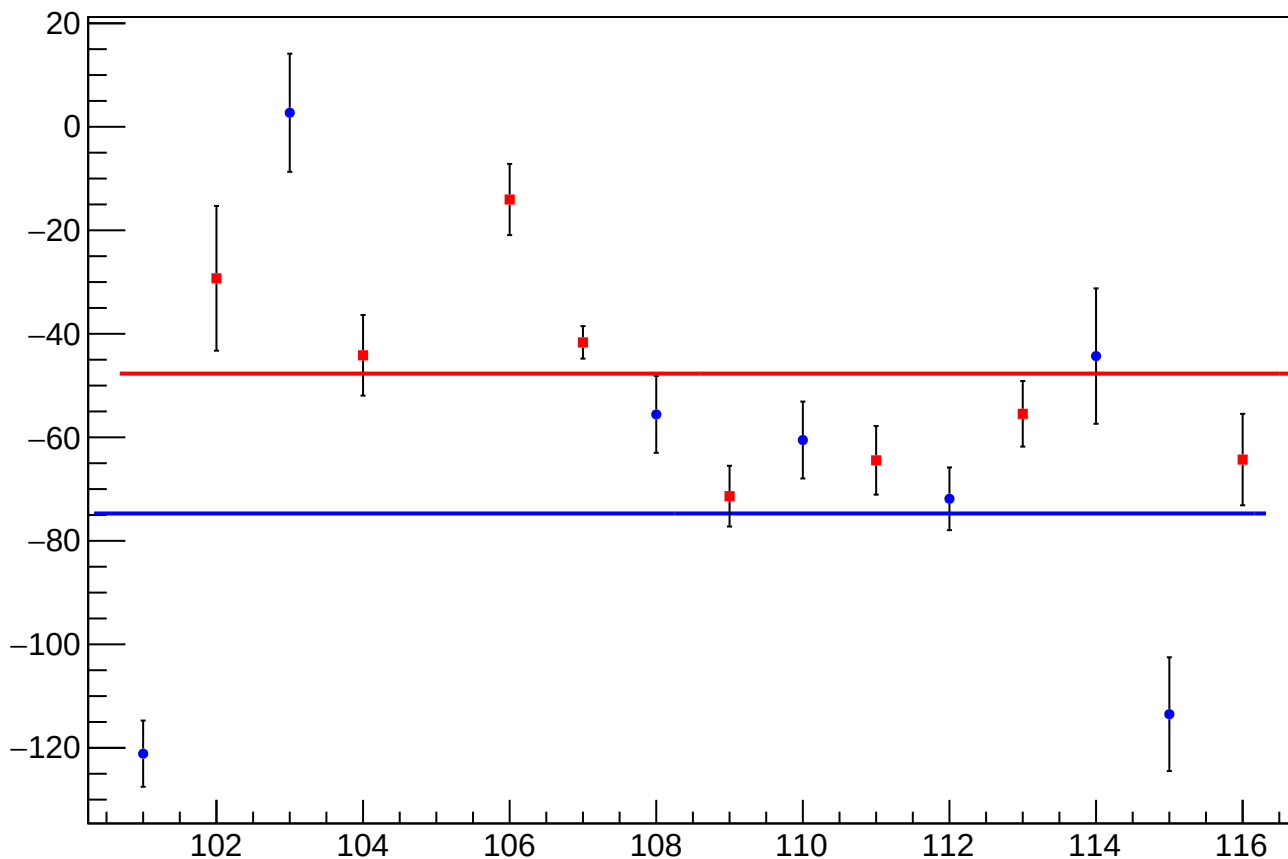
Right: -252.795+/-2.491  $\chi^2/\text{NDF}$ : 3261.9/14

In: -302.851+/-4.168  $\chi^2/\text{NDF}$ : 646.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -252.795+/-2.491  $\chi^2/\text{NDF}$ : 3261.9/14

reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-74.710 \pm 3.018$   $\chi^2/\text{NDF}$ : 127.0/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-47.678 \pm 2.068$   $\chi^2/\text{NDF}$ : 57.3/7

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:  $-56.315 \pm 1.706$   $\chi^2/\text{NDF}$ : 238.8/14

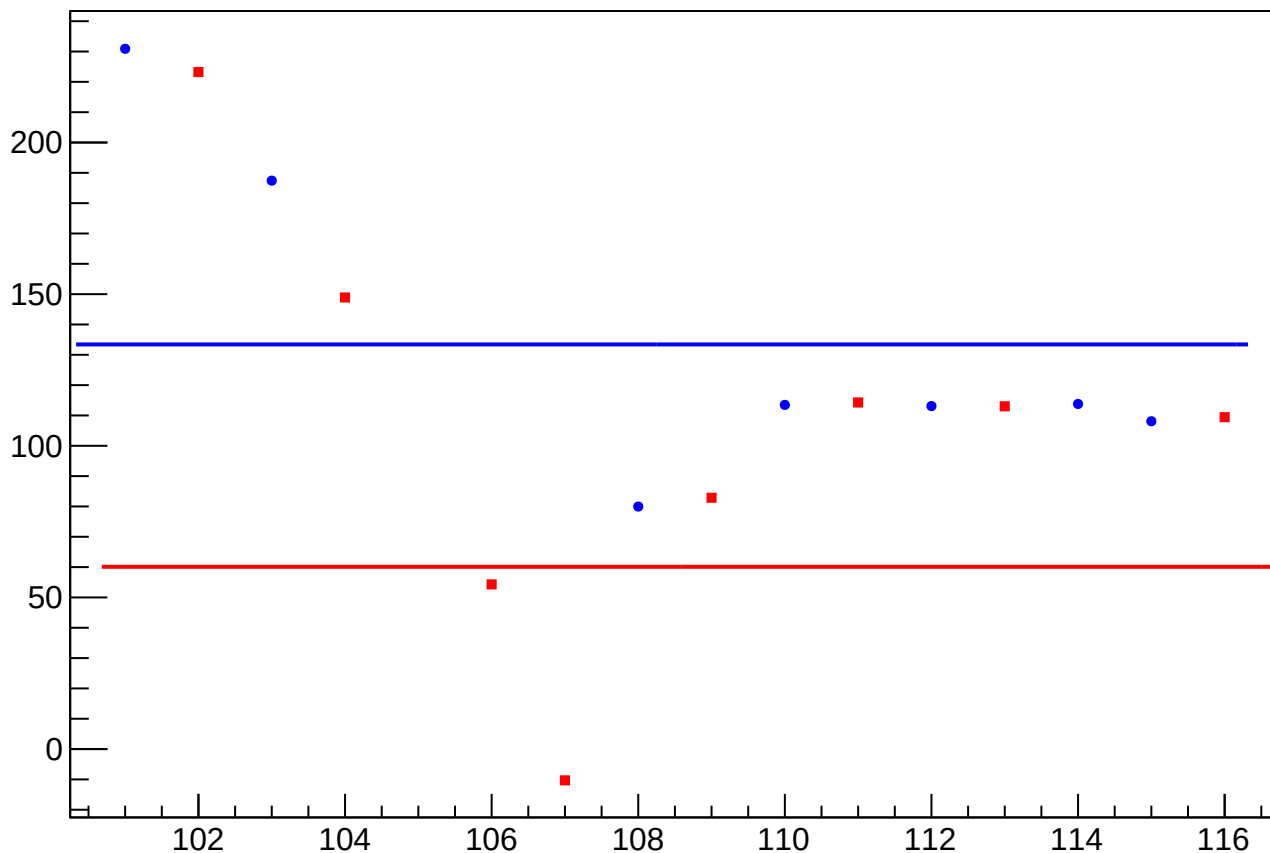
In:  $-74.710 \pm 3.018$   $\chi^2/\text{NDF}$ : 127.0/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-56.315 \pm 1.706$   $\chi^2/\text{NDF}$ : 238.8/14



reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 133.421+/-0.137  $\chi^2/\text{NDF}$ : 166269.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 60.108+/-0.094  $\chi^2/\text{NDF}$ : 583036.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

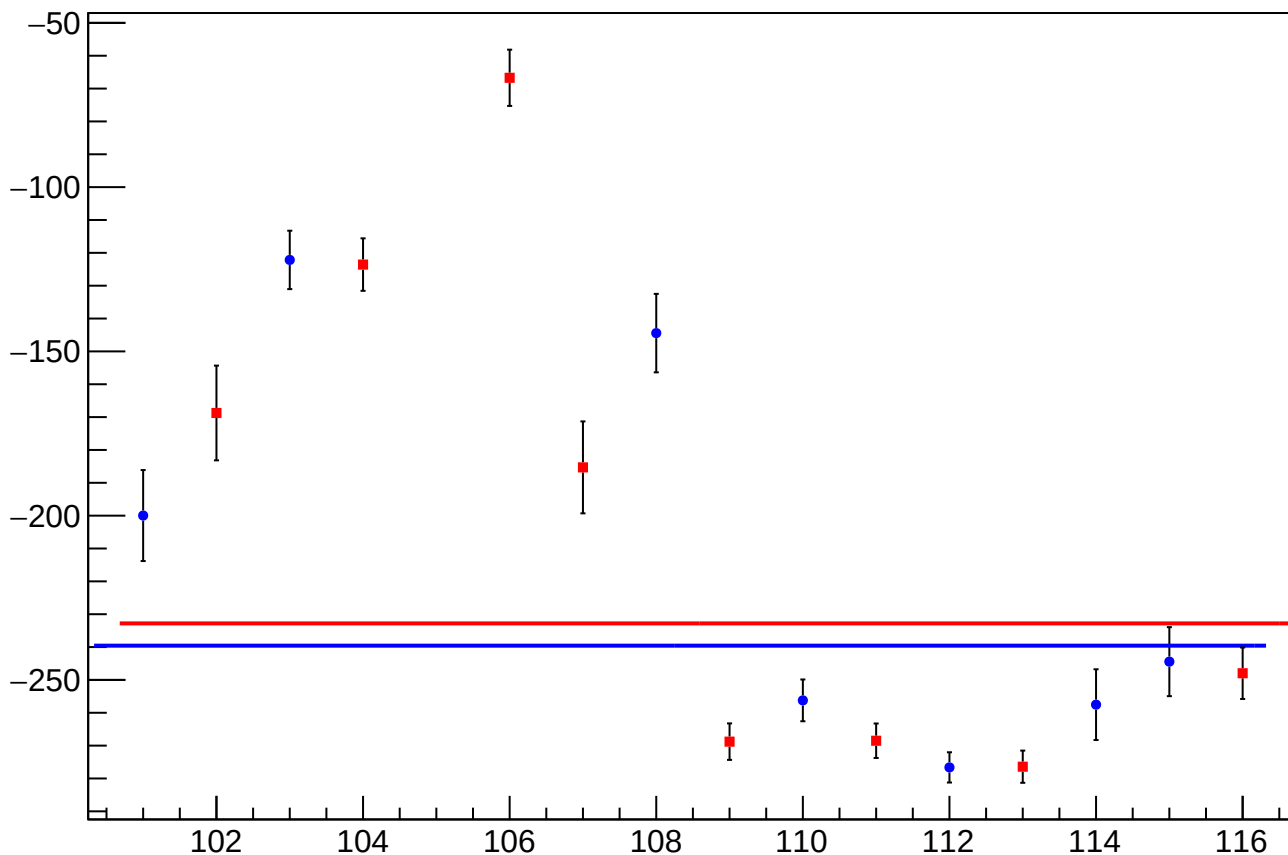
Right: 83.641+/-0.077  $\chi^2/\text{NDF}$ : 945034.3/14

In: 133.421+/-0.137  $\chi^2/\text{NDF}$ : 166269.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 83.641+/-0.077  $\chi^2/\text{NDF}$ : 945034.3/14

reg\_asym\_atr1l2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -239.572 $\pm$ 2.956  $\chi^2$ /NDF: 320.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -232.795 $\pm$ 2.455  $\chi^2$ /NDF: 765.9/7

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

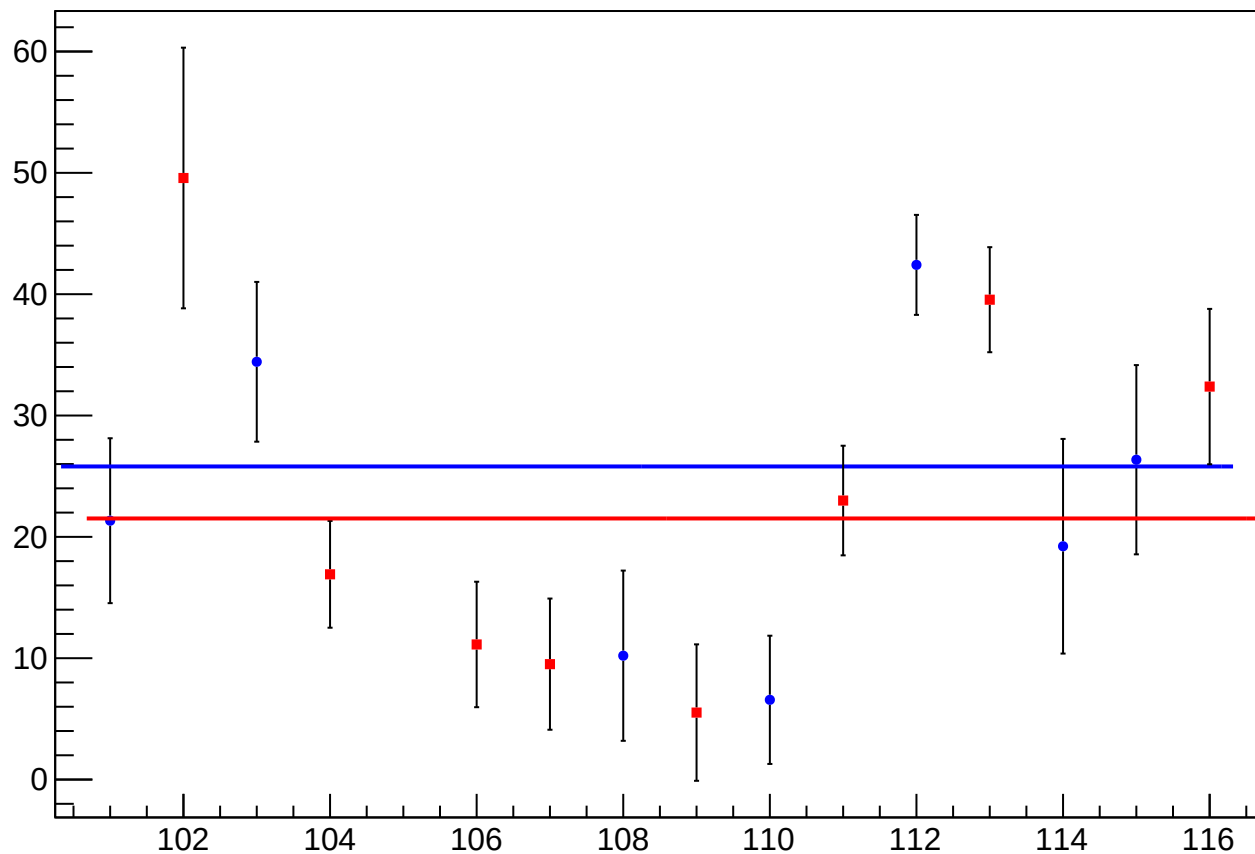
Right: -235.561 $\pm$ 1.888  $\chi^2$ /NDF: 1089.8/14

In: -239.572 $\pm$ 2.956  $\chi^2$ /NDF:320.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -235.561 $\pm$ 1.888  $\chi^2$ /NDF: 1089.8/14

reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 25.803+/-2.300  $\chi^2/\text{NDF}$ : 37.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.516+/-1.856  $\chi^2/\text{NDF}$ : 45.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

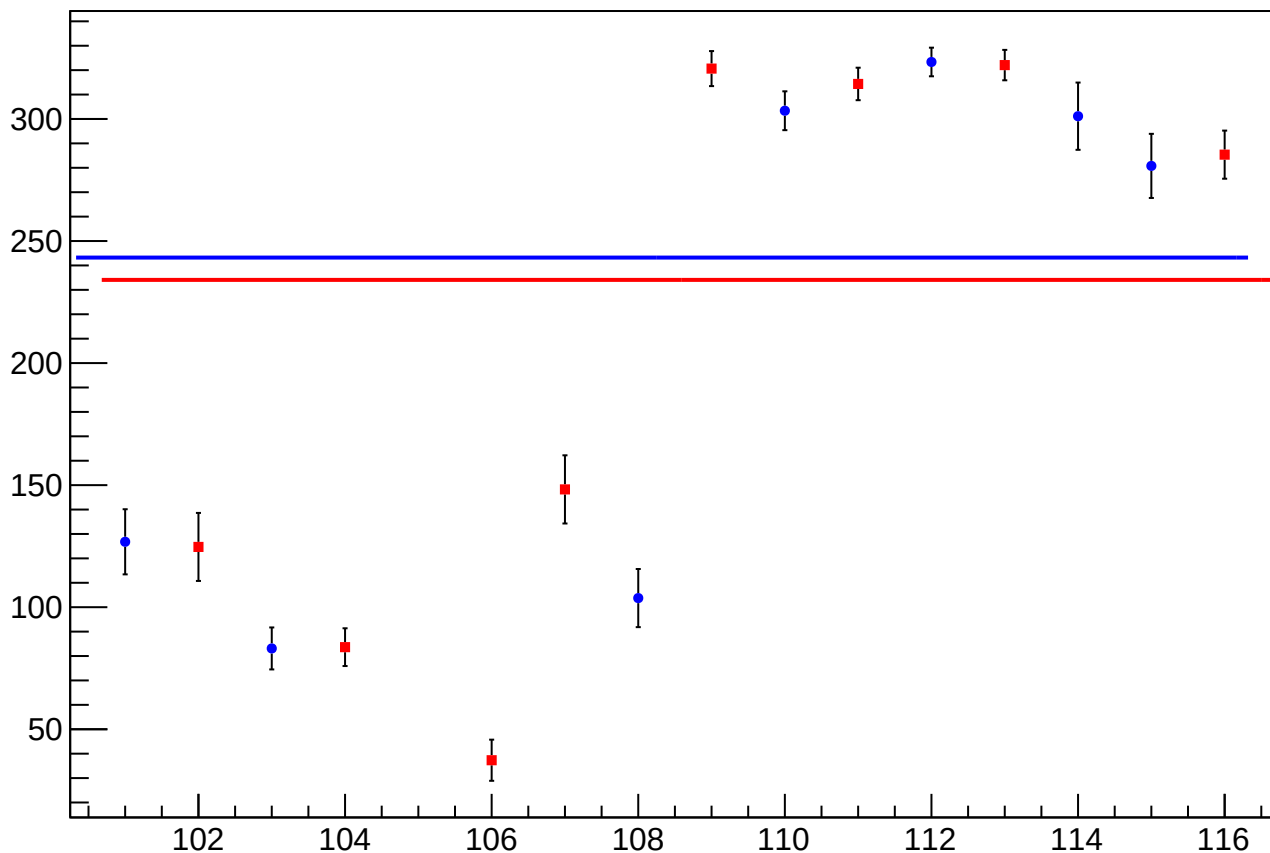
Right: 23.207+/-1.444  $\chi^2/\text{NDF}$ : 84.6/14

In: 25.803+/-2.300  $\chi^2/\text{NDF}$ : 37.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 23.207+/-1.444  $\chi^2/\text{NDF}$ : 84.6/14

reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 243.221+/-3.489  $\chi^2/\text{NDF}$ : 829.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 234.079+/-2.897  $\chi^2/\text{NDF}$ : 1541.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

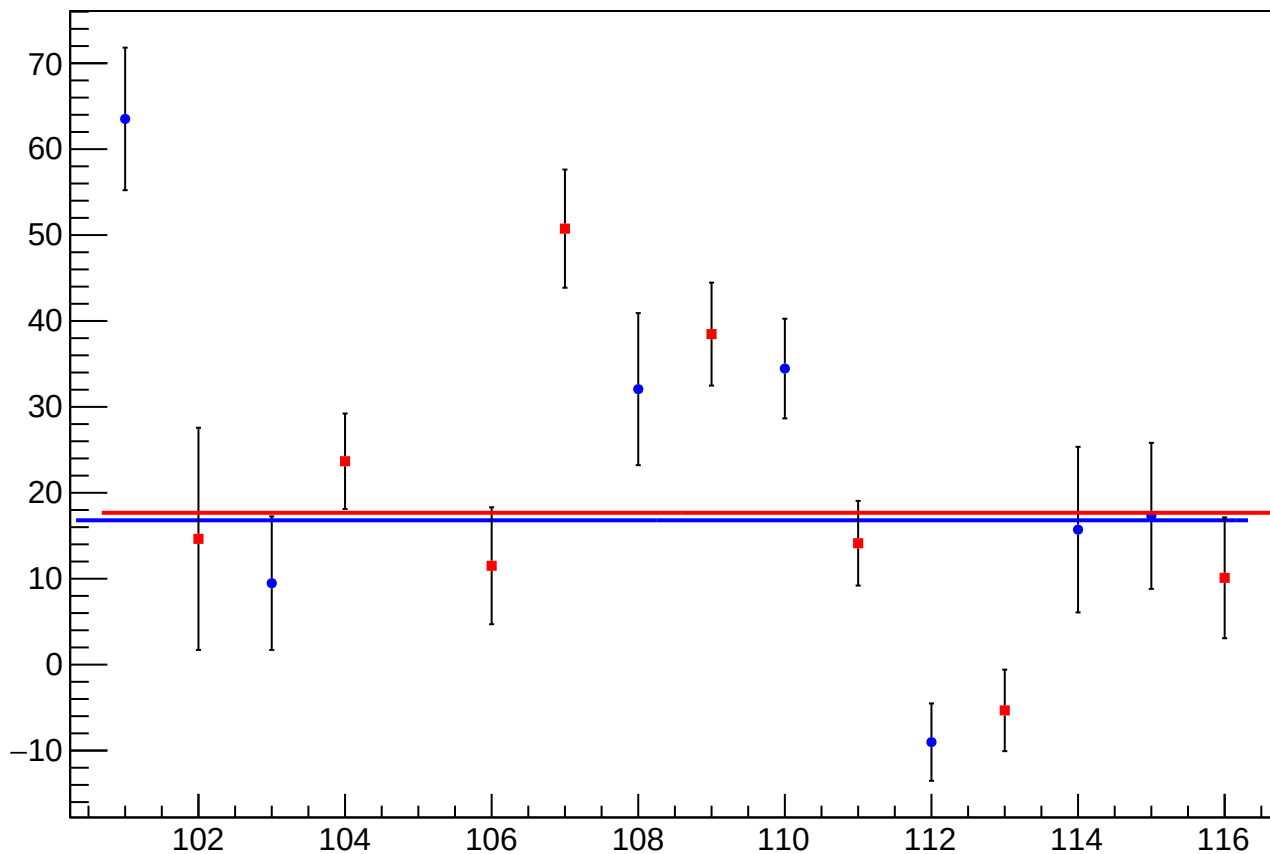
Right: 237.809+/-2.229  $\chi^2/\text{NDF}$ : 2375.0/14

In: 243.221+/-3.489  $\chi^2/\text{NDF}$ : 829.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 237.809+/-2.229  $\chi^2/\text{NDF}$ : 2375.0/14

reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 16.800 $\pm$ 2.604  $\chi^2$ /NDF: 77.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.675 $\pm$ 2.157  $\chi^2$ /NDF: 62.4/7

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

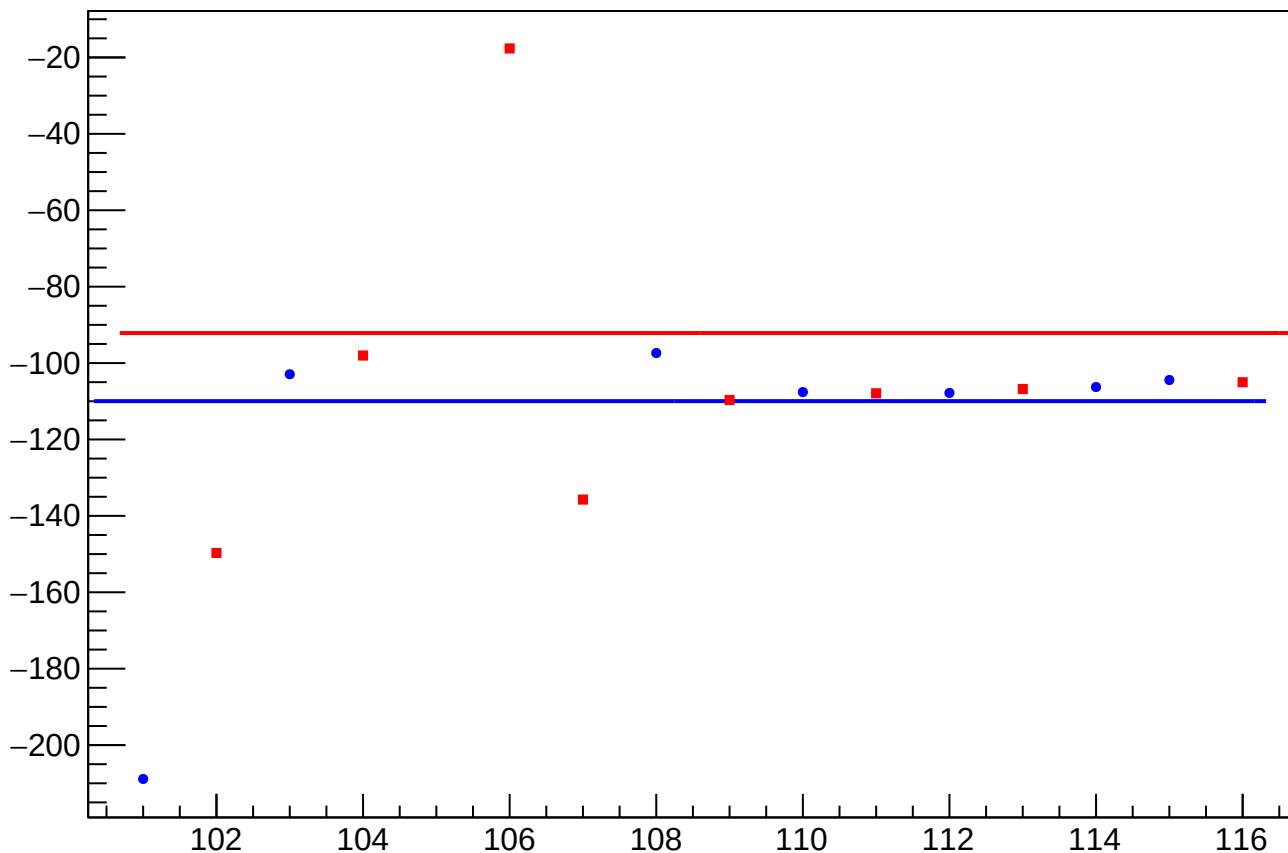
Right: 17.319 $\pm$ 1.661  $\chi^2$ /NDF: 140.2/14

In: 16.800 $\pm$ 2.604  $\chi^2$ /NDF: 77.7/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.319 $\pm$ 1.661  $\chi^2$ /NDF: 140.2/14

reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -109.963+/-0.119  $\chi^2/\text{NDF}$ : 46169.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -92.138+/-0.097  $\chi^2/\text{NDF}$ : 188516.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

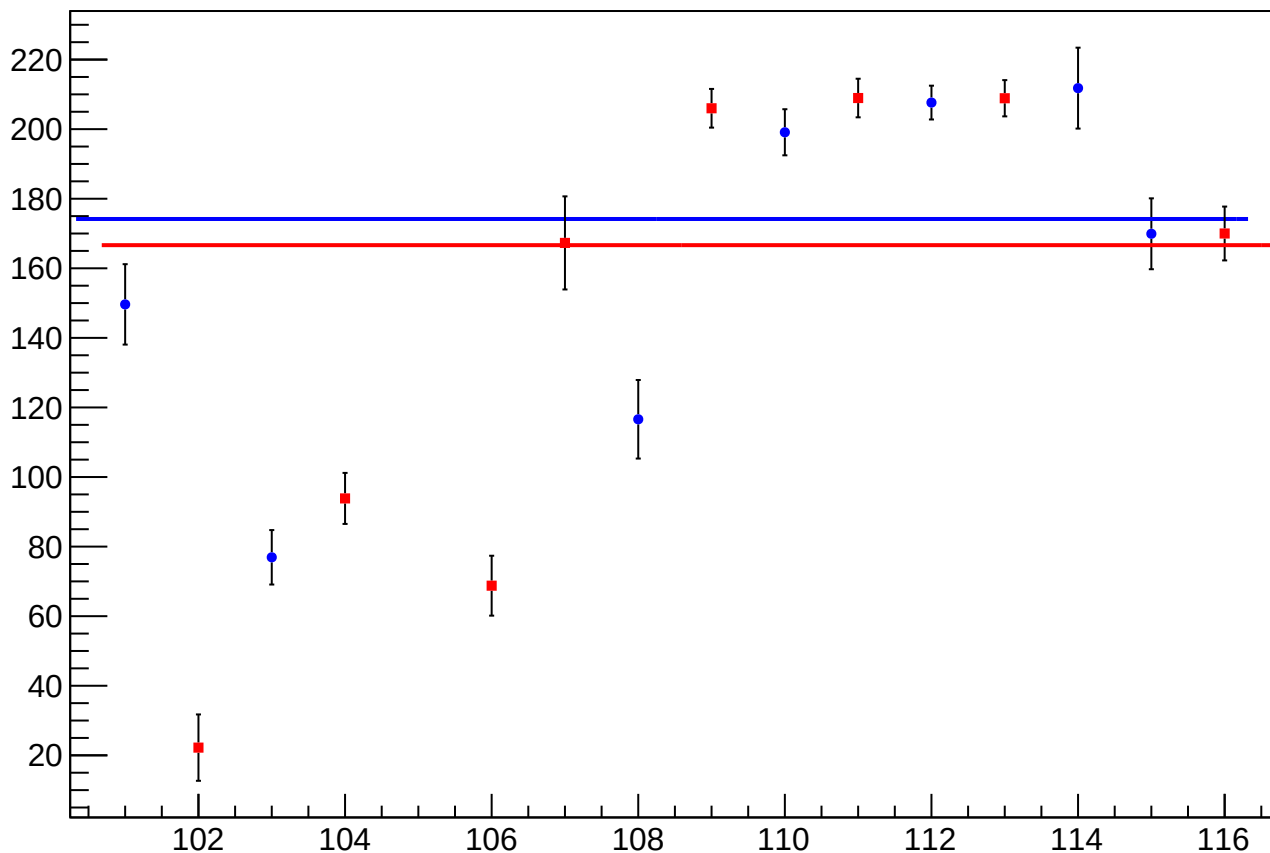
Right: -99.238+/-0.075  $\chi^2/\text{NDF}$ : 248130.2/14

In: -109.963+/-0.119  $\chi^2/\text{NDF}$ : 46169.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -99.238+/-0.075  $\chi^2/\text{NDF}$ : 248130.2/14

reg\_asym\_atr1l2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 174.175+/-2.964  $\chi^2/\text{NDF}$ : 257.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 166.653+/-2.447  $\chi^2/\text{NDF}$ : 631.2/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

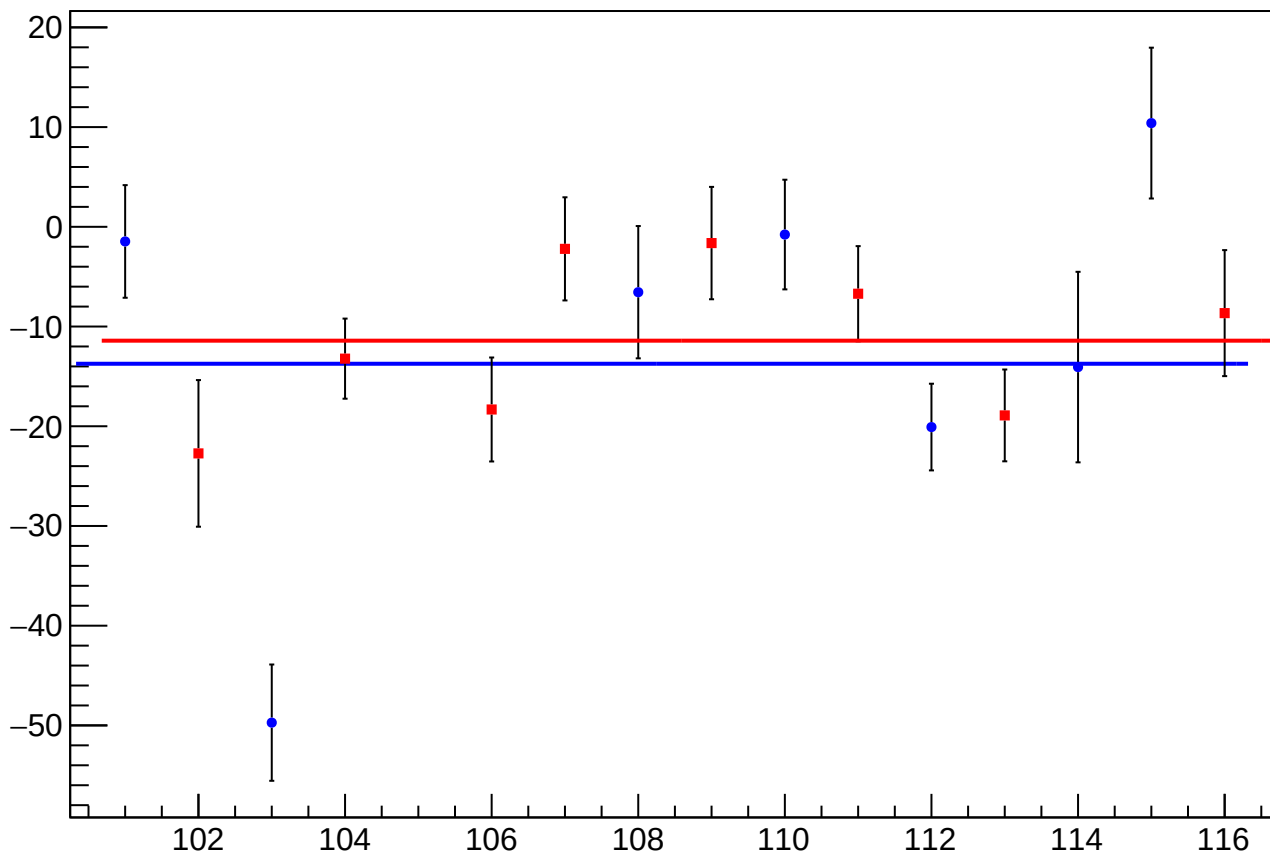
Right: 169.702+/-1.887  $\chi^2/\text{NDF}$ : 892.1/14

In: 174.175+/-2.964  $\chi^2/\text{NDF}$ : 257.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 169.702+/-1.887  $\chi^2/\text{NDF}$ : 892.1/14

reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -13.733+/-2.248  $\chi^2/\text{NDF}$ : 61.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -11.418+/-1.819  $\chi^2/\text{NDF}$ : 14.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -12.334+/-1.414  $\chi^2/\text{NDF}$ : 76.8/14

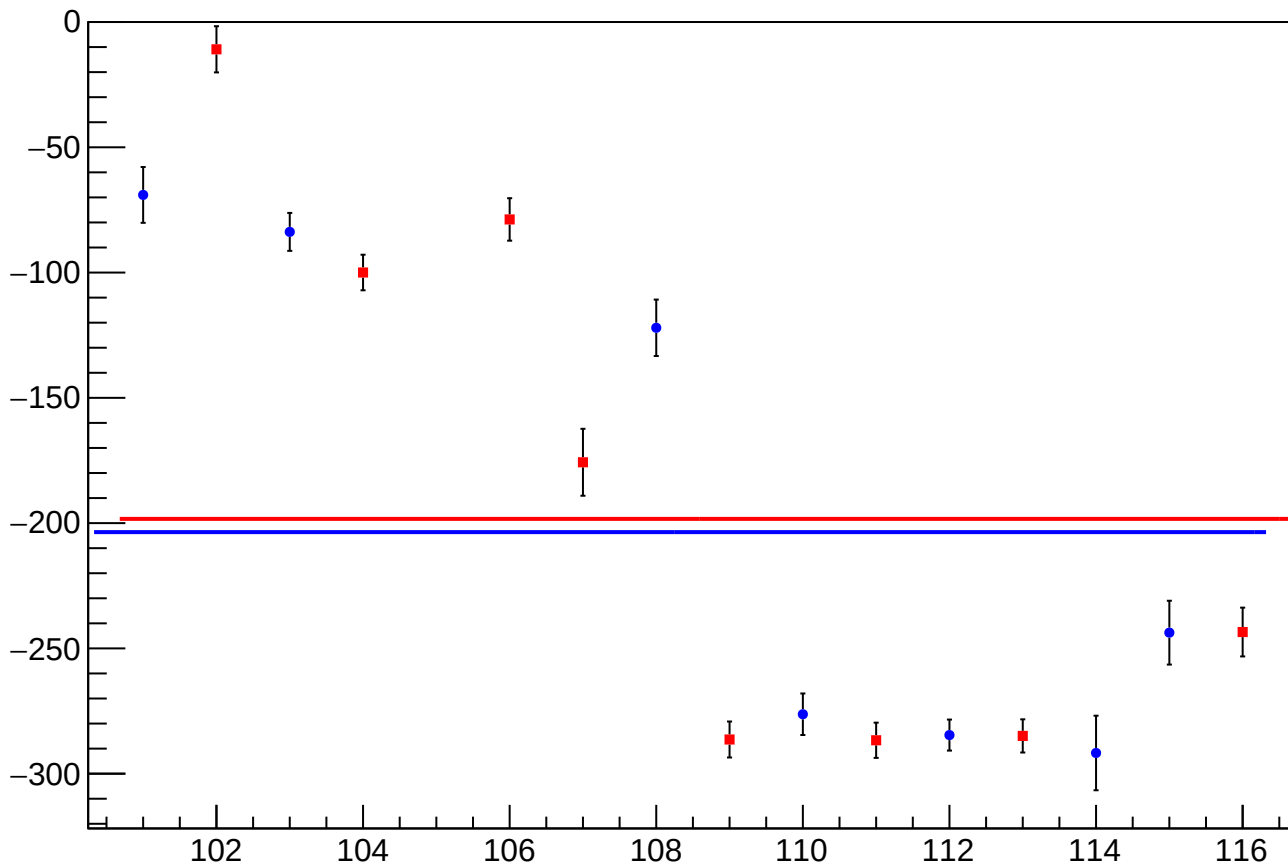
In: -13.733+/-2.248  $\chi^2/\text{NDF}$ : 61.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -12.334+/-1.414  $\chi^2/\text{NDF}$ : 76.8/14



reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -203.594+/-3.435  $\chi^2$ /NDF: 742.4/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -198.307+/-2.839  $\chi^2$ /NDF: 1307.7/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

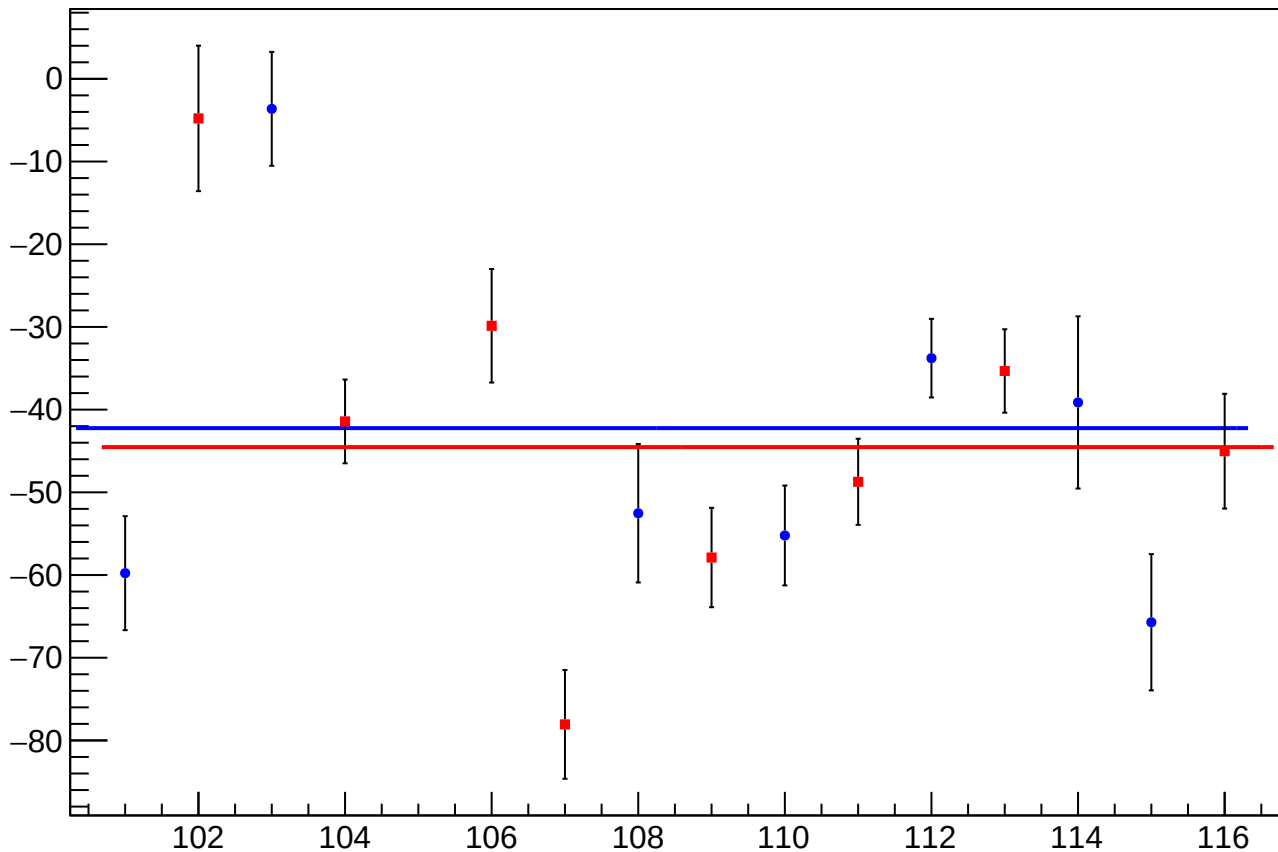
Right: -200.452+/-2.188  $\chi^2$ /NDF: 2051.6/14

In: -203.594+/-3.435  $\chi^2$ /NDF:742.4/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -200.452+/-2.188  $\chi^2$ /NDF: 2051.6/14

reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -42.236+/-2.564  $\chi^2/\text{NDF}$ : 55.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -44.533+/-2.128  $\chi^2/\text{NDF}$ : 60.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

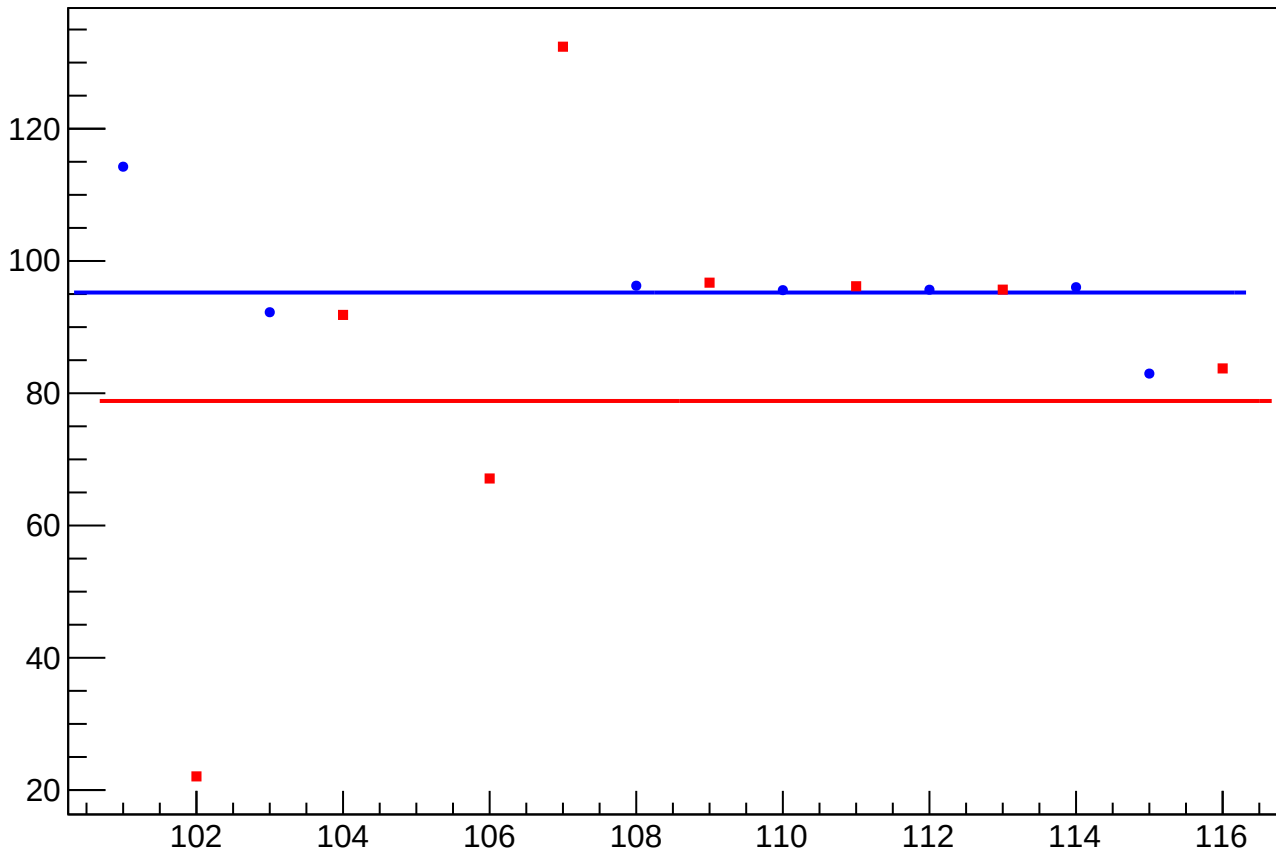
Right: -43.597+/-1.637  $\chi^2/\text{NDF}$ : 116.2/14

In: -42.236+/-2.564  $\chi^2/\text{NDF}$ : 55.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -43.597+/-1.637  $\chi^2/\text{NDF}$ : 116.2/14

reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 95.230 $\pm$ 0.112  $\chi^2$ /NDF: 3097.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 78.832 $\pm$ 0.091  $\chi^2$ /NDF: 119395.0/7

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

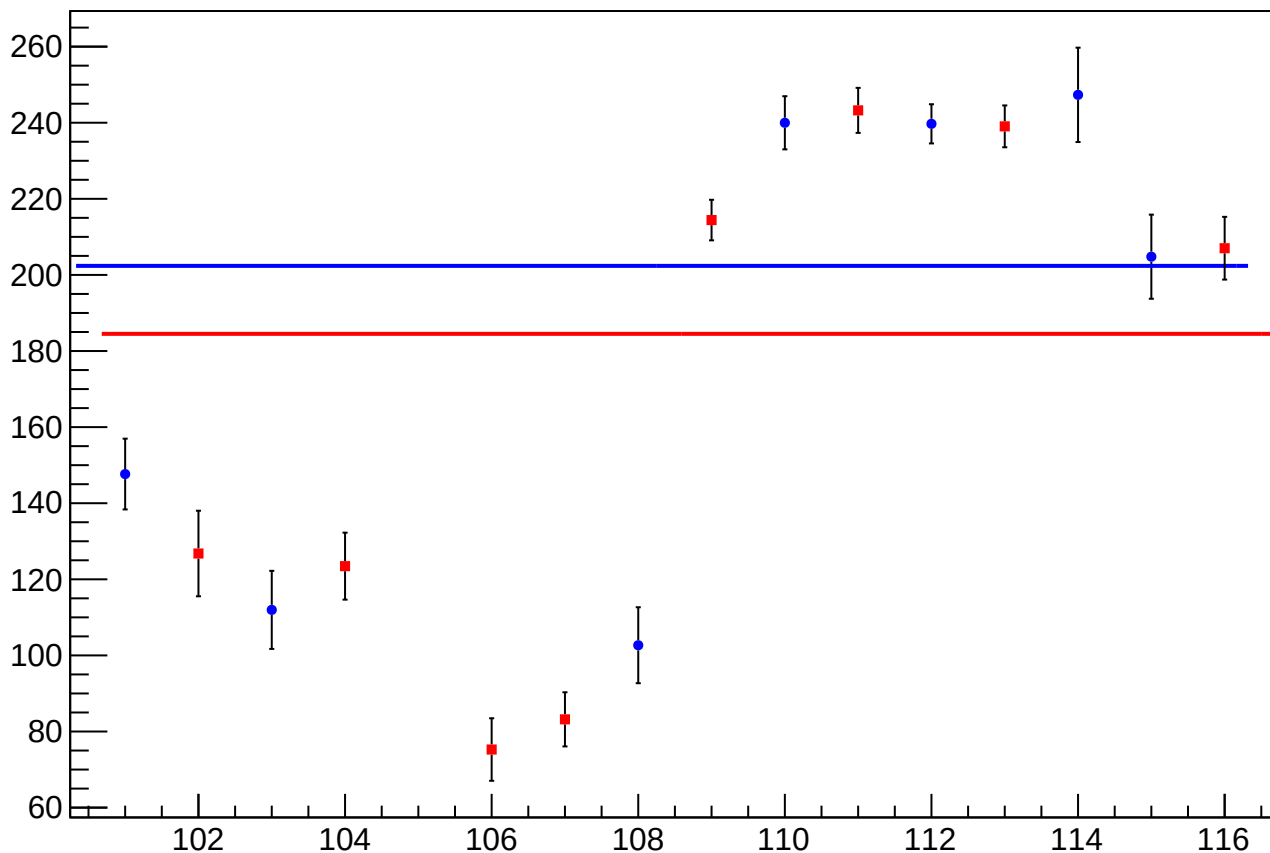
Right: 85.307 $\pm$ 0.070  $\chi^2$ /NDF: 135444.1/14

In: 95.230 $\pm$ 0.112  $\chi^2$ /NDF:3097.6/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 85.307 $\pm$ 0.070  $\chi^2$ /NDF: 135444.1/14

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 202.380 $\pm$ 3.100  $\chi^2$ /NDF: 306.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 184.515 $\pm$ 2.448  $\chi^2$ /NDF: 689.6/7

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

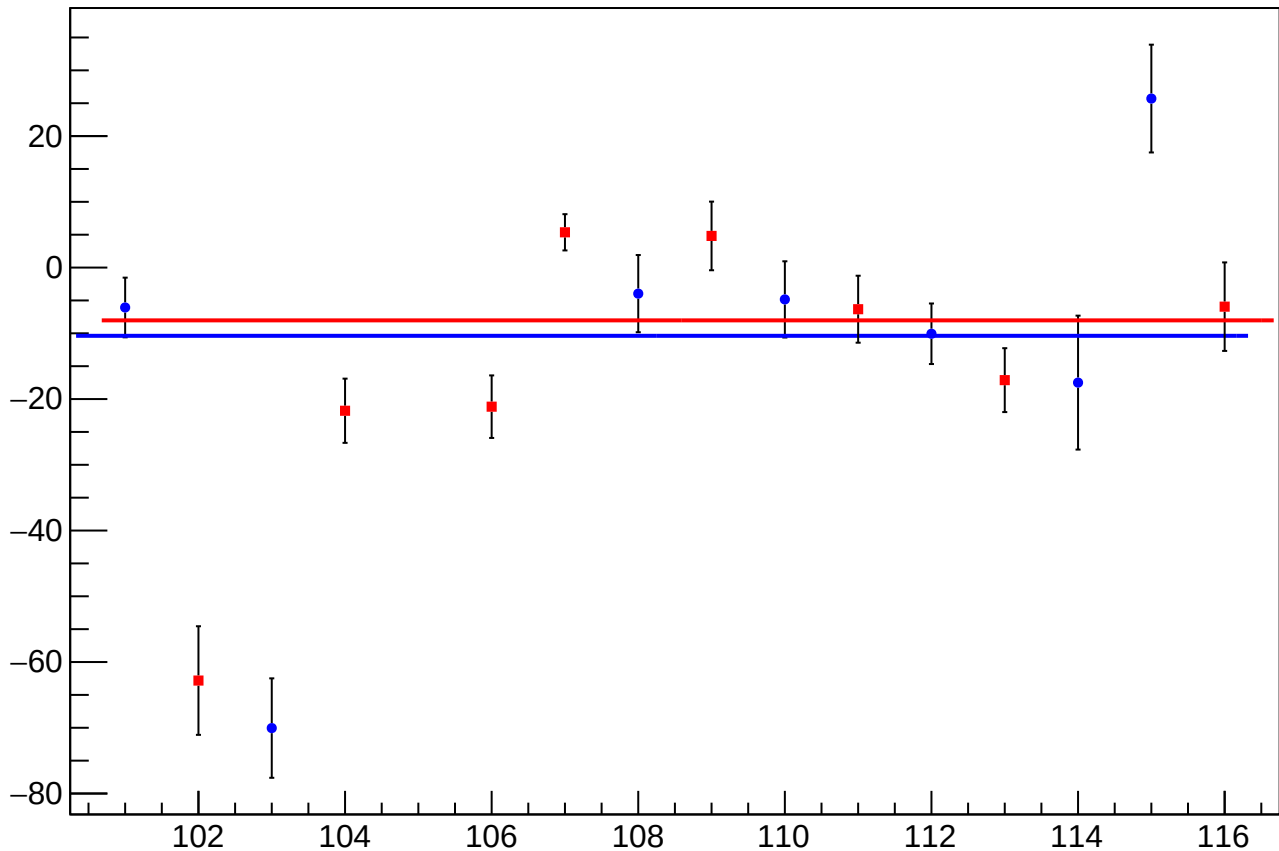
Right: 191.375 $\pm$ 1.921  $\chi^2$ /NDF: 1016.9/14

In: 202.380 $\pm$ 3.100  $\chi^2$ /NDF:306.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 191.375 $\pm$ 1.921  $\chi^2$ /NDF: 1016.9/14

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -10.379 $\pm$ 2.256  $\chi^2$ /NDF: 85.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -8.030 $\pm$ 1.640  $\chi^2$ /NDF: 92.9/7

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

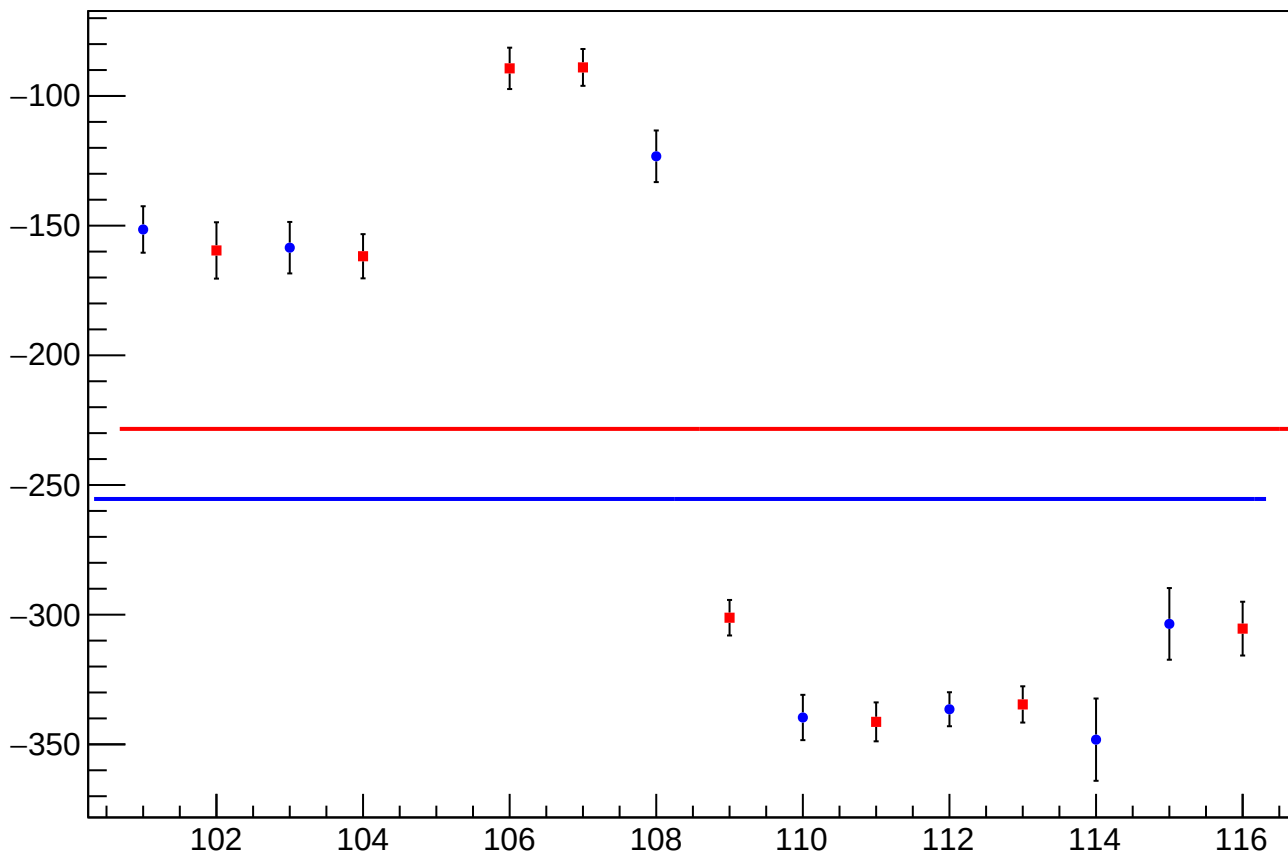
Right: -8.842 $\pm$ 1.326  $\chi^2$ /NDF: 178.7/14

In: -10.379 $\pm$ 2.256  $\chi^2$ /NDF:85.1/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -8.842 $\pm$ 1.326  $\chi^2$ /NDF: 178.7/14

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -255.389+/-3.574  $\chi^2/\text{NDF}$ : 698.5/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -228.369+/-2.810  $\chi^2/\text{NDF}$ : 1415.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

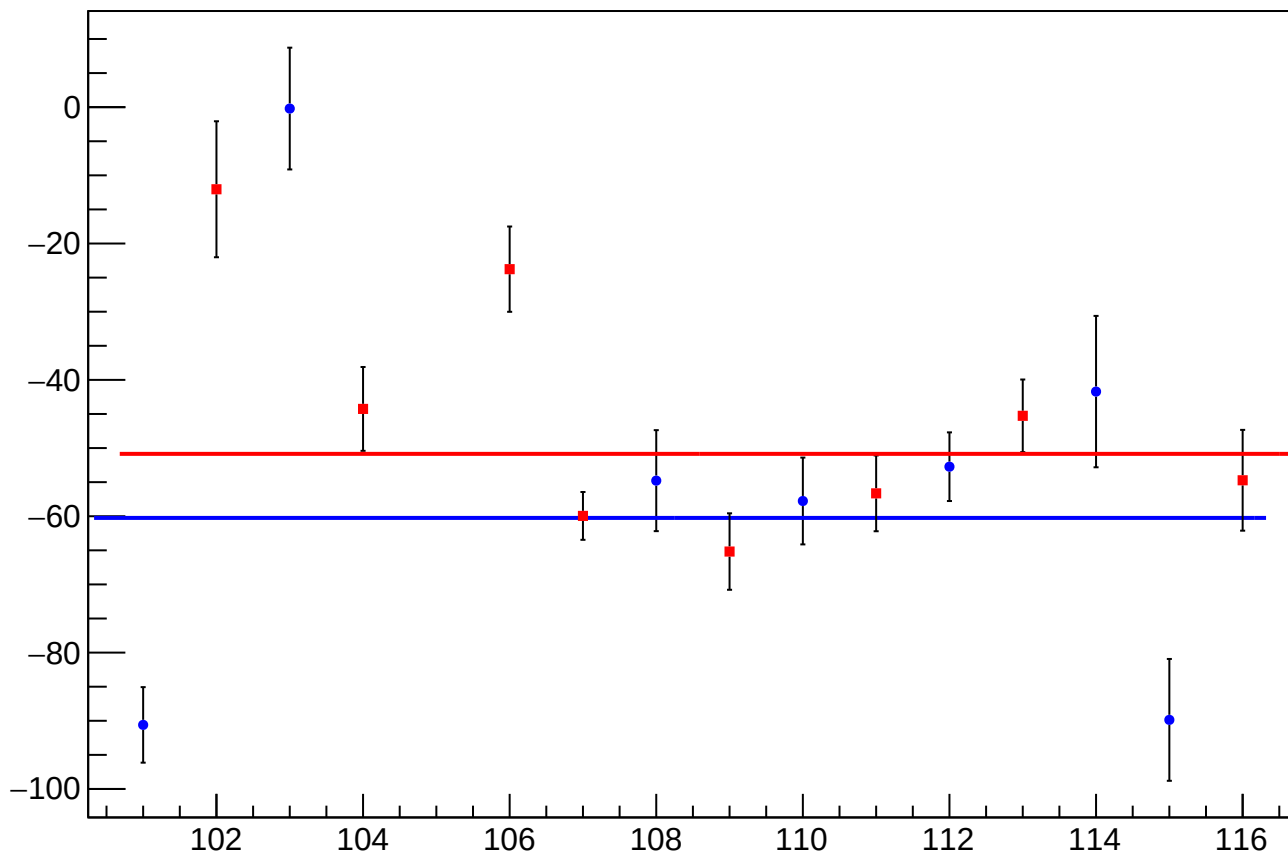
Right: -238.693+/-2.209  $\chi^2/\text{NDF}$ : 2149.3/14

In: -255.389+/-3.574  $\chi^2/\text{NDF}$ : 698.5/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -238.693+/-2.209  $\chi^2/\text{NDF}$ : 2149.3/14

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -60.245+/-2.598  $\chi^2/\text{NDF}$ : 91.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -50.850+/-1.957  $\chi^2/\text{NDF}$ : 50.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

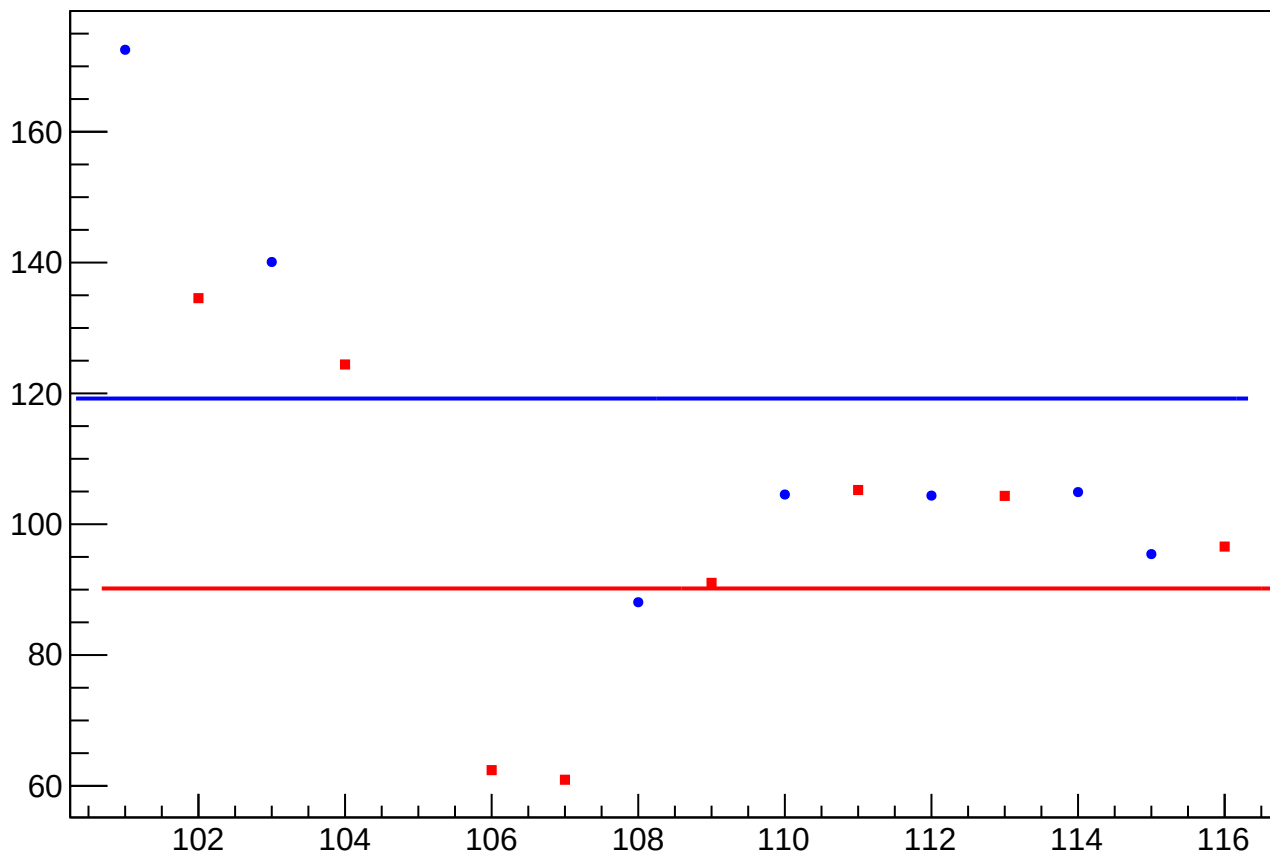
Right: -54.250+/-1.563  $\chi^2/\text{NDF}$ : 151.0/14

In: -60.245+/-2.598  $\chi^2/\text{NDF}$ : 91.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -54.250+/-1.563  $\chi^2/\text{NDF}$ : 151.0/14

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 119.215+/-0.119  $\chi^2/\text{NDF}$ : 60525.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 90.177+/-0.087  $\chi^2/\text{NDF}$ : 108476.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 100.310+/-0.071  $\chi^2/\text{NDF}$ : 207486.7/14

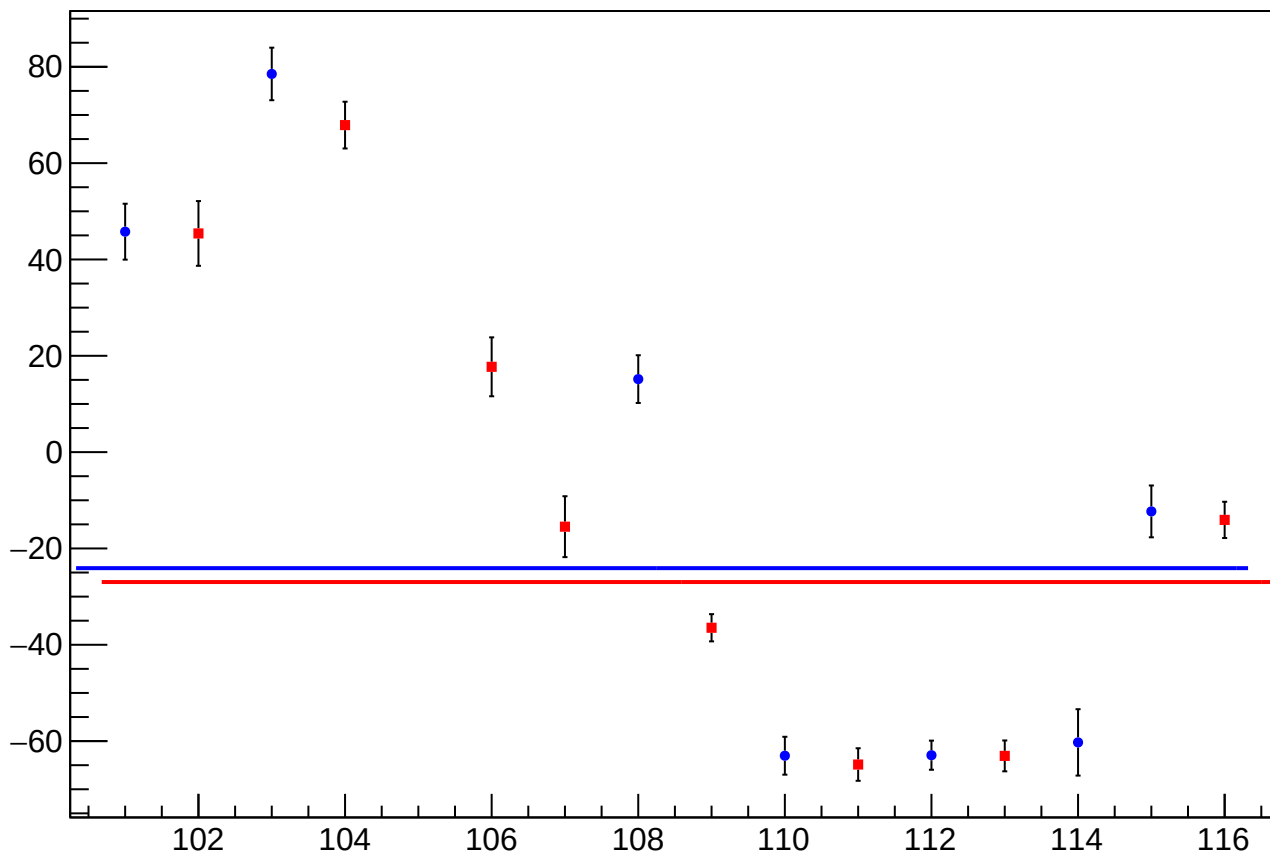
In: 119.215+/-0.119  $\chi^2/\text{NDF}$ : 60525.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 100.310+/-0.071  $\chi^2/\text{NDF}$ : 207486.7/14



reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -24.090+/-1.731  $\chi^2/\text{NDF}$ : 856.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -26.972+/-1.418  $\chi^2/\text{NDF}$ : 830.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

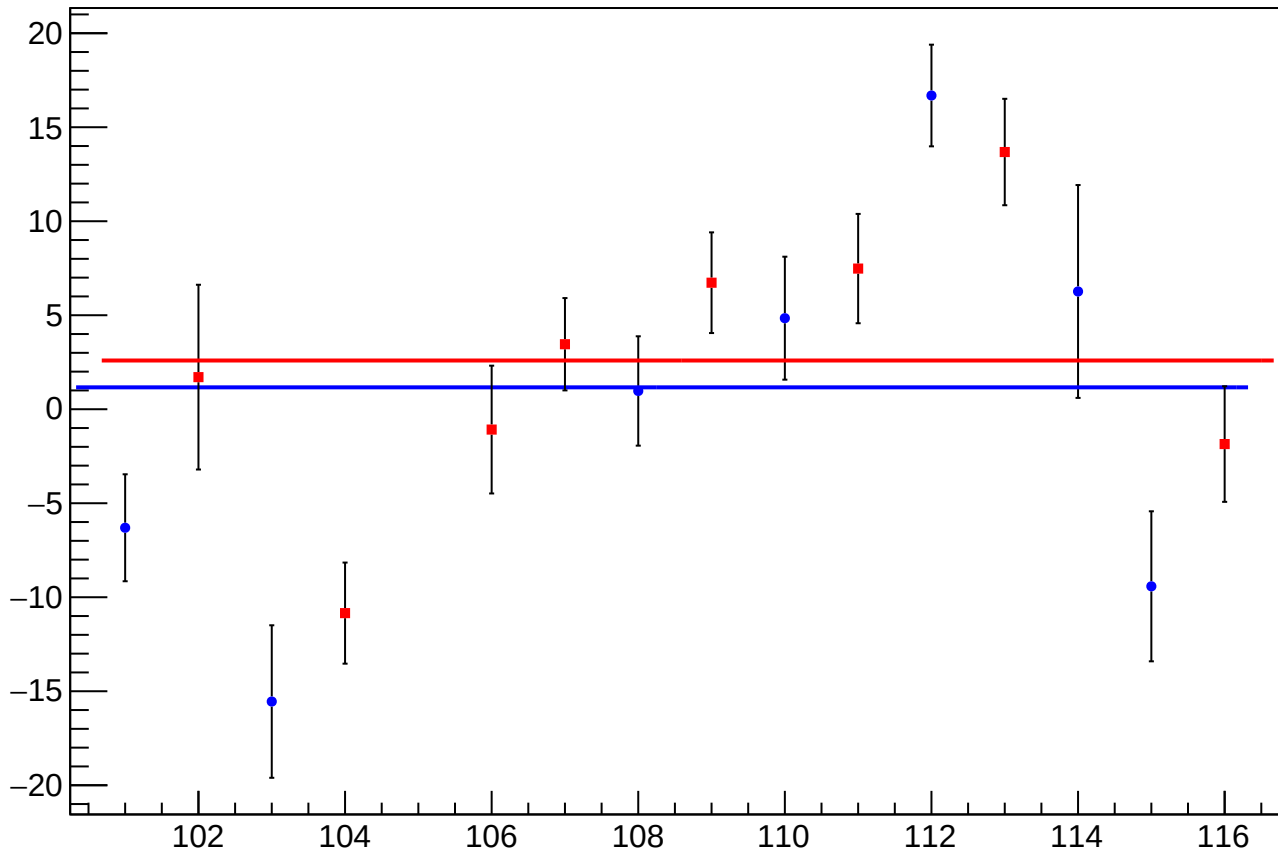
Right: -25.815+/-1.097  $\chi^2/\text{NDF}$ : 1688.9/14

In: -24.090+/-1.731  $\chi^2/\text{NDF}$ : 856.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -25.815+/-1.097  $\chi^2/\text{NDF}$ : 1688.9/14

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.164+/-1.263  $\chi^2/\text{NDF}$ : 65.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.592+/-1.042  $\chi^2/\text{NDF}$ : 49.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

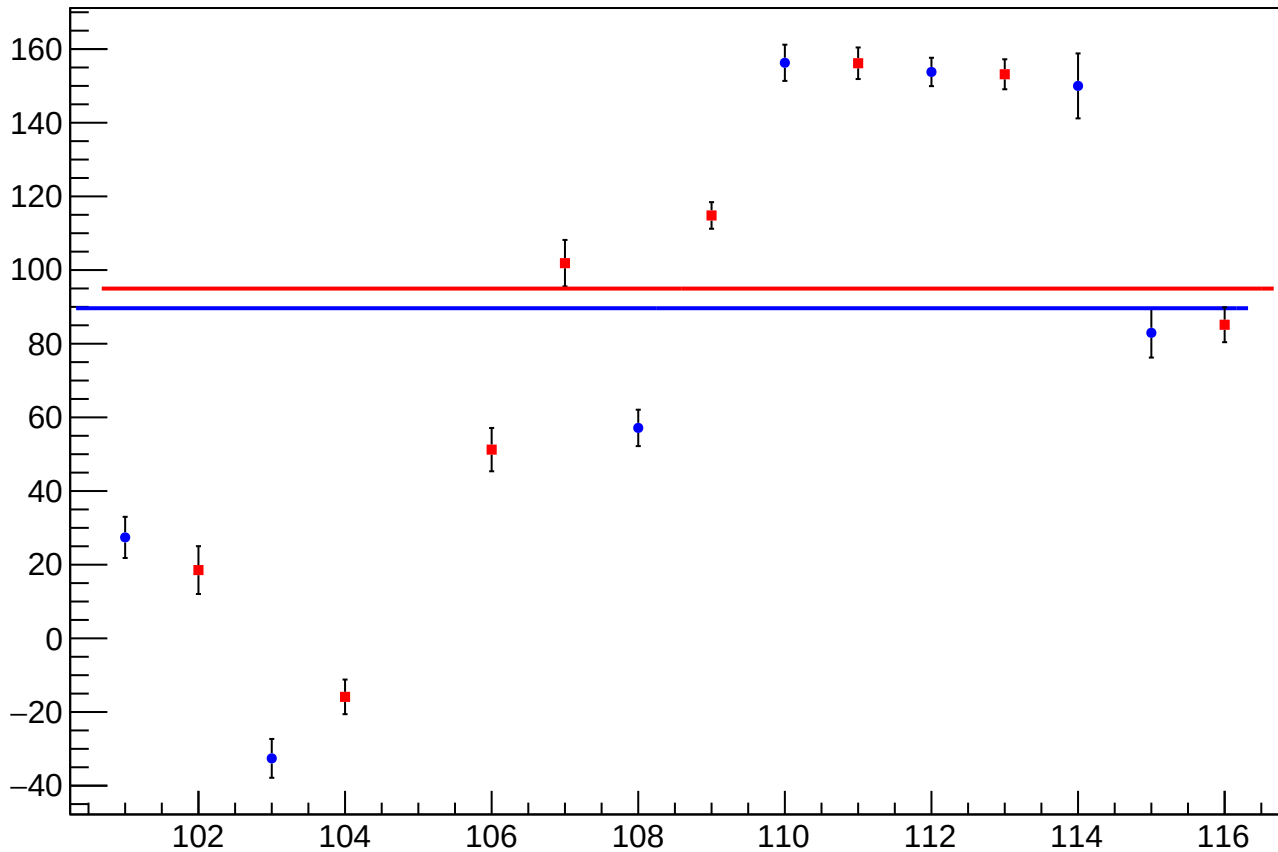
Right: 2.014+/-0.804  $\chi^2/\text{NDF}$ : 115.7/14

In: 1.164+/-1.263  $\chi^2/\text{NDF}$ : 65.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.014+/-0.804  $\chi^2/\text{NDF}$ : 115.7/14

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 89.634+/-1.990  $\chi^2/\text{NDF}$ : 1212.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 94.974+/-1.669  $\chi^2/\text{NDF}$ : 1194.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

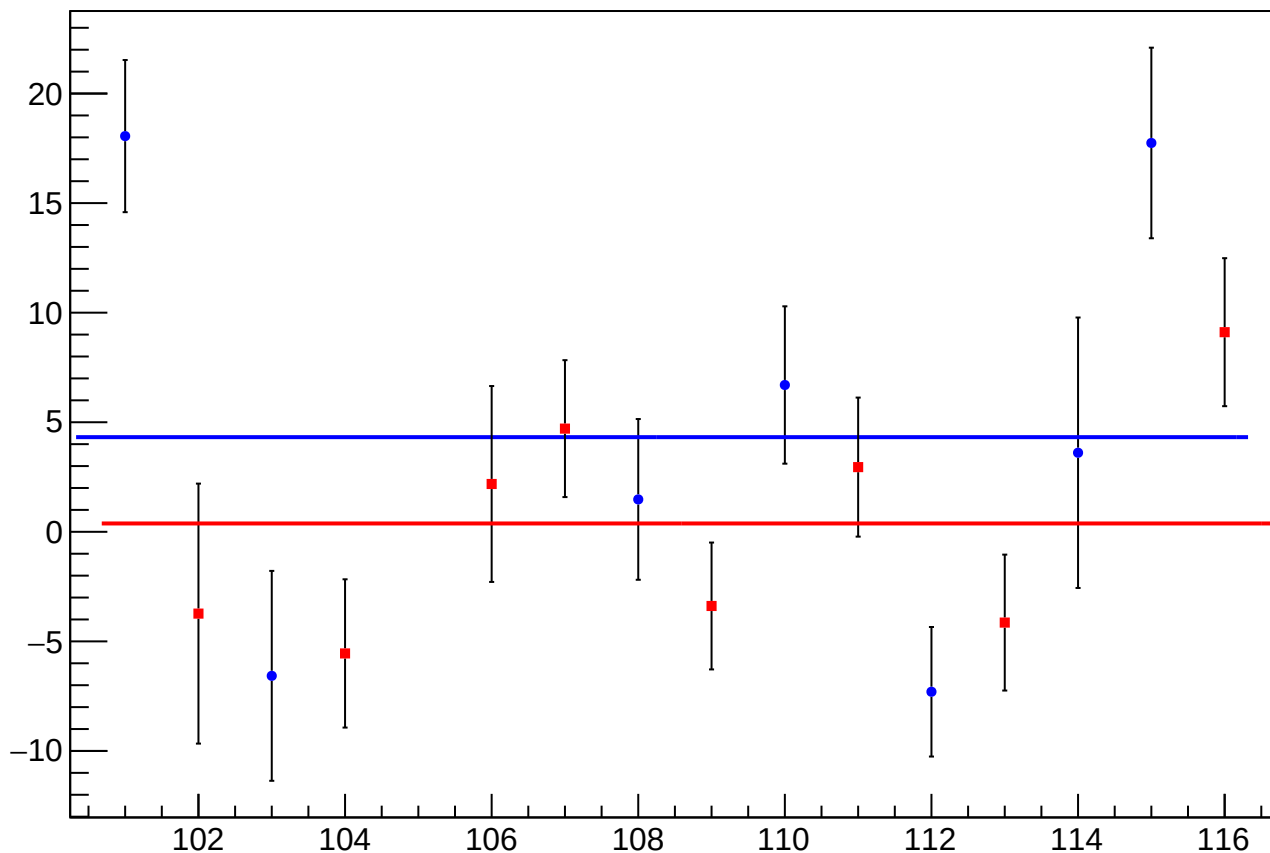
Right: 92.769+/-1.279  $\chi^2/\text{NDF}$ : 2411.3/14

In: 89.634+/-1.990  $\chi^2/\text{NDF}$ : 1212.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 92.769+/-1.279  $\chi^2/\text{NDF}$ : 2411.3/14

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.320+/-1.455  $\chi^2/\text{NDF}$ : 46.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.381+/-1.214  $\chi^2/\text{NDF}$ : 16.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

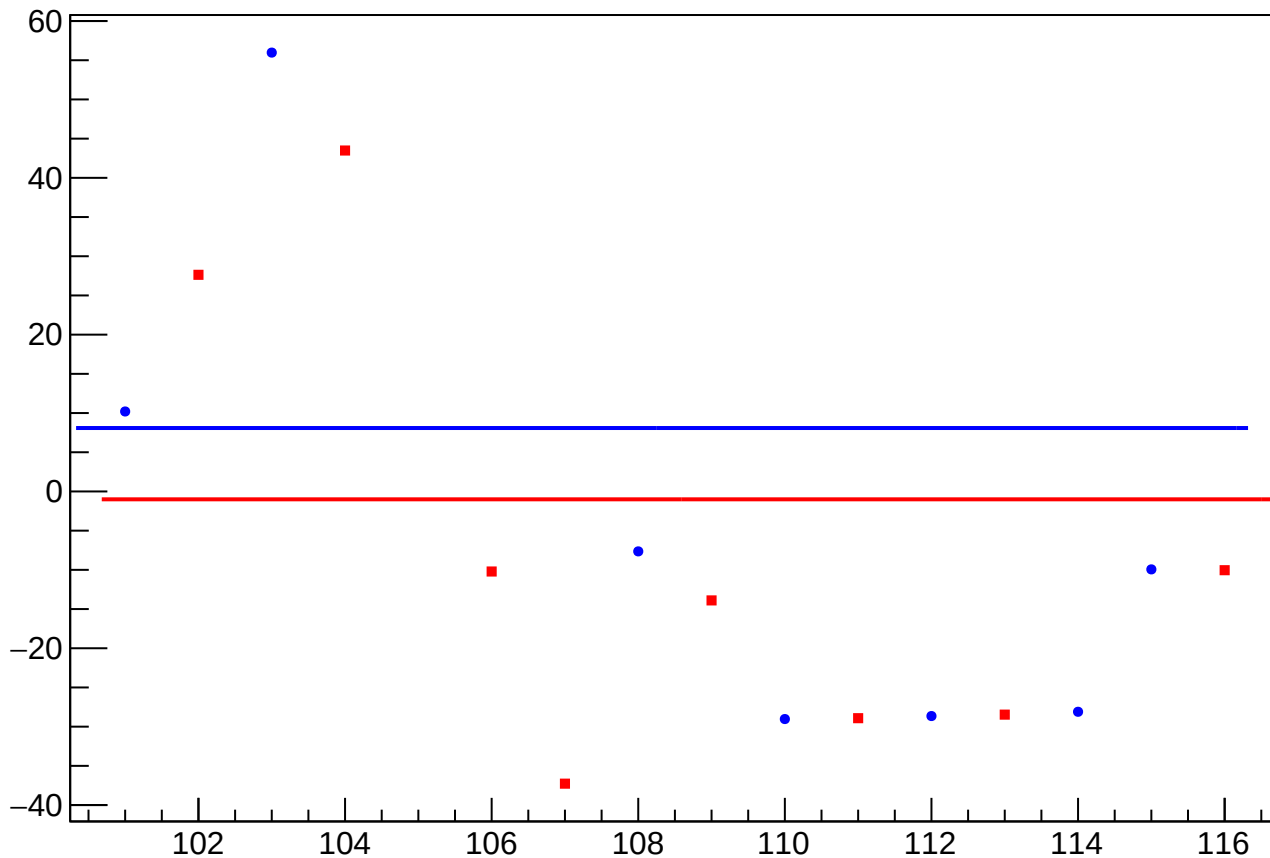
Right: 1.997+/-0.932  $\chi^2/\text{NDF}$ : 68.0/14

In: 4.320+/-1.455  $\chi^2/\text{NDF}$ : 46.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.997+/-0.932  $\chi^2/\text{NDF}$ : 68.0/14

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 8.090 $\pm$ 0.064  $\chi^2$ /NDF: 261037.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.004 $\pm$ 0.056  $\chi^2$ /NDF: 290597.5/7

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

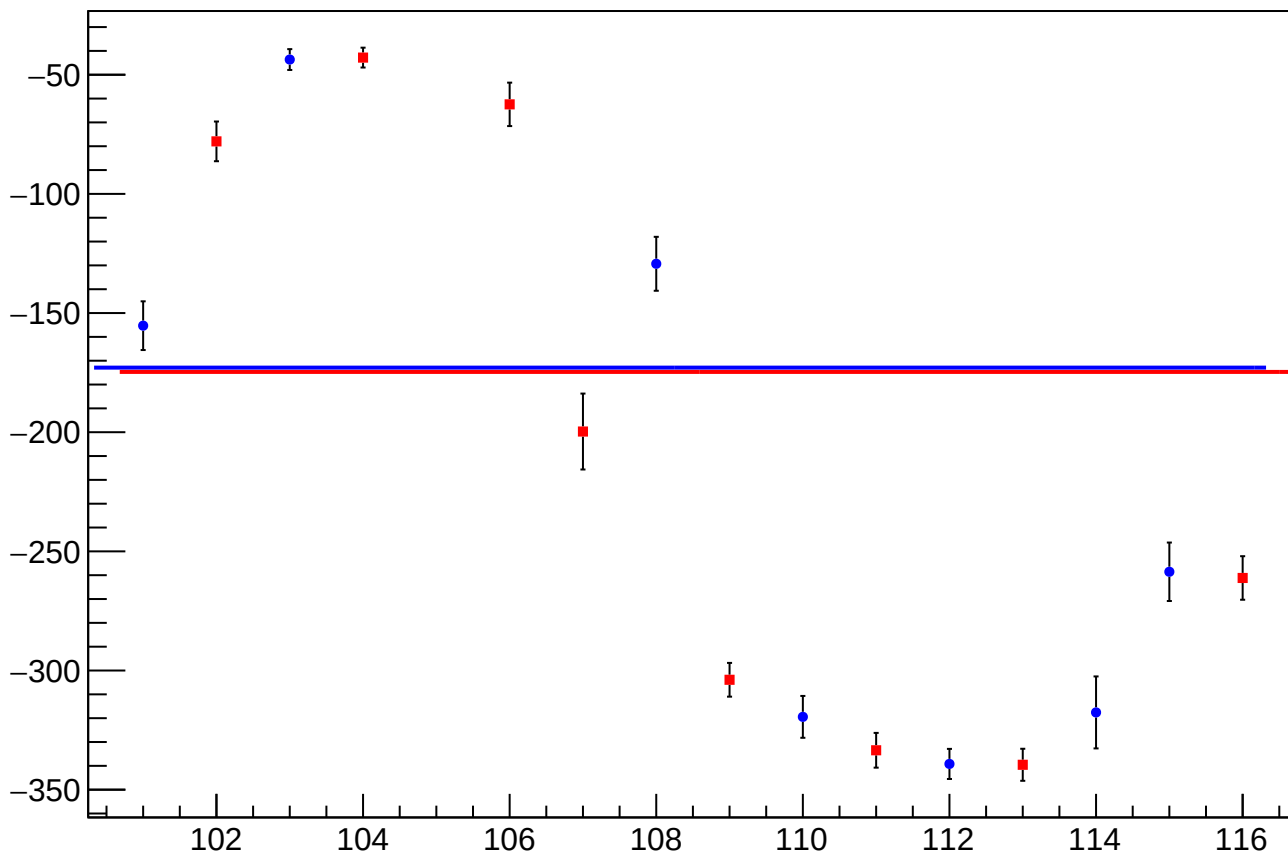
Right: 2.914 $\pm$ 0.042  $\chi^2$ /NDF: 563010.7/14

In: 8.090 $\pm$ 0.064  $\chi^2$ /NDF:261037.8/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.914 $\pm$ 0.042  $\chi^2$ /NDF: 563010.7/14

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -172.900+/-2.901  $\chi^2$ /NDF: 2004.8/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -174.702+/-2.493  $\chi^2$ /NDF: 2789.0/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

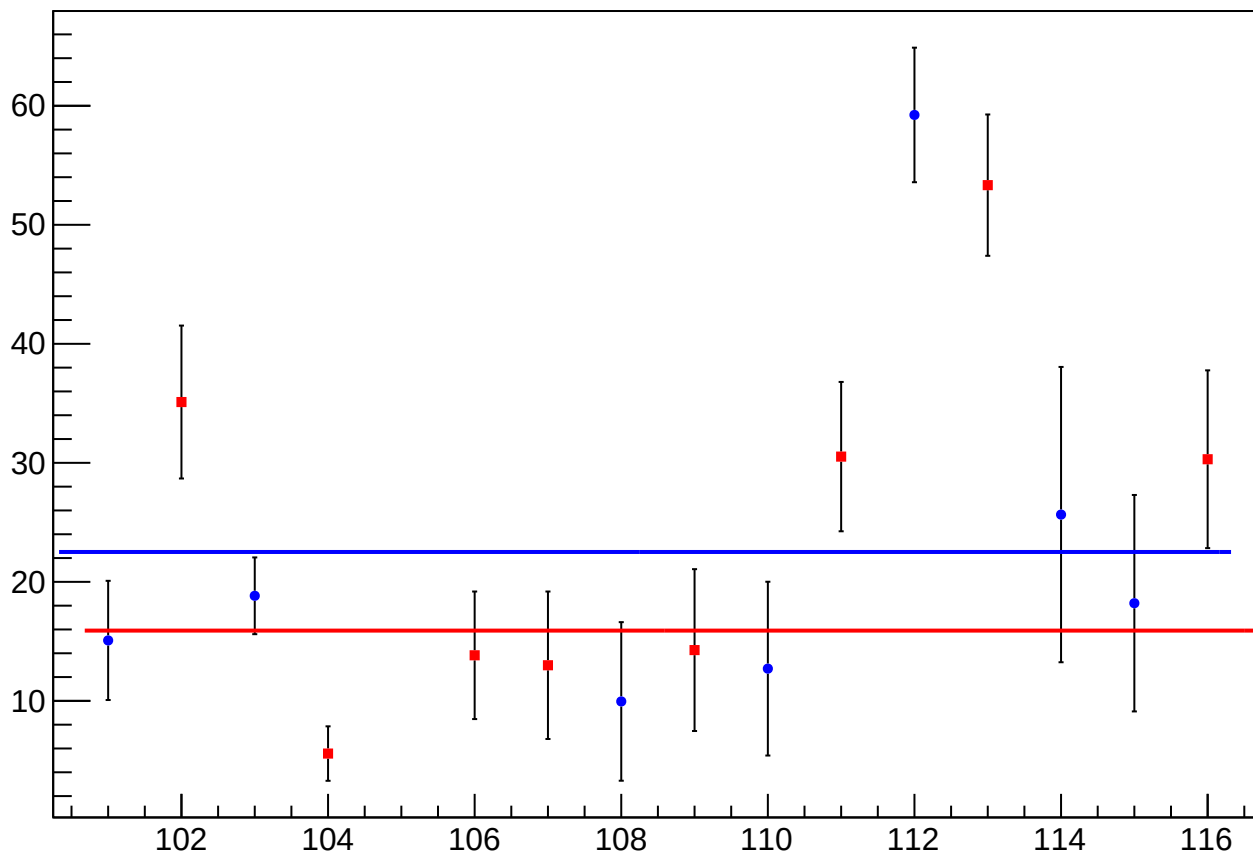
Right: -173.936+/-1.891  $\chi^2$ /NDF: 4794.1/14

In: -172.900+/-2.901  $\chi^2$ /NDF:2004.8/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -173.936+/-1.891  $\chi^2$ /NDF: 4794.1/14

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 22.511+/-2.098  $\chi^2/\text{NDF}$ : 51.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 15.905+/-1.645  $\chi^2/\text{NDF}$ : 78.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

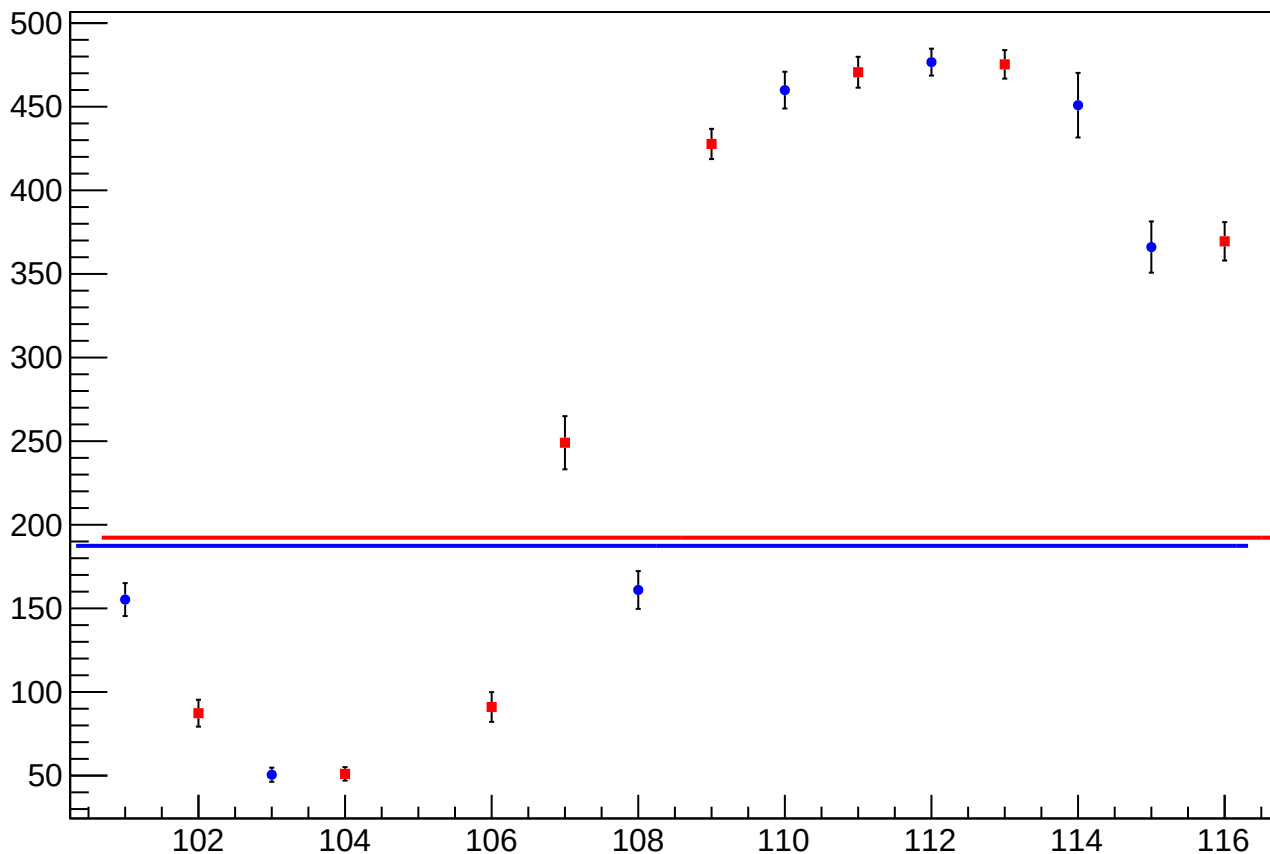
Right: 18.421+/-1.295  $\chi^2/\text{NDF}$ : 136.1/14

In: 22.511+/-2.098  $\chi^2/\text{NDF}$ : 51.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 18.421+/-1.295  $\chi^2/\text{NDF}$ : 136.1/14

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 187.396+/-3.089  $\chi^2/\text{NDF}$ : 3295.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 192.294+/-2.685  $\chi^2/\text{NDF}$ : 4458.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 190.186+/-2.027  $\chi^2/\text{NDF}$ : 7754.9/14

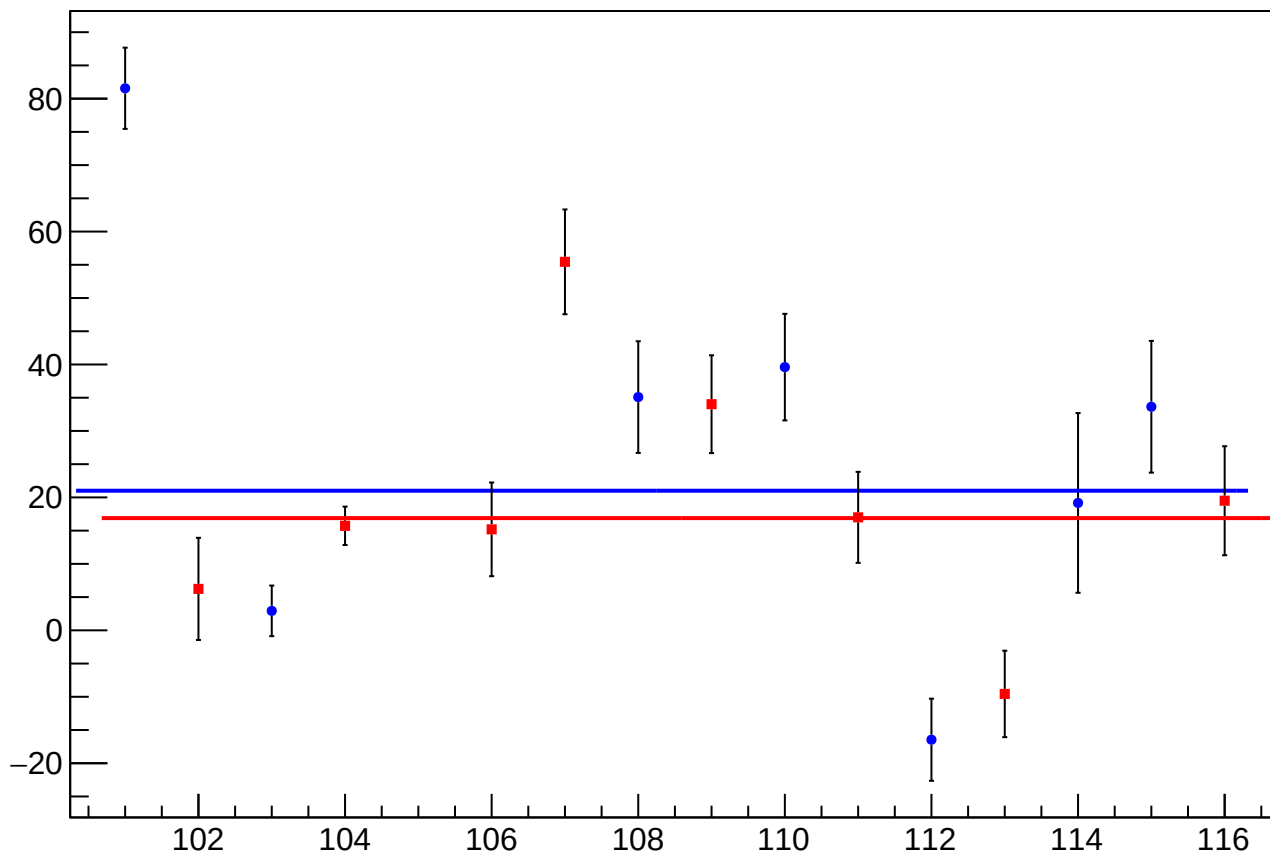
In: 187.396+/-3.089  $\chi^2/\text{NDF}$ : 3295.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 190.186+/-2.027  $\chi^2/\text{NDF}$ : 7754.9/14



reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 21.006+/-2.444  $\chi^2/\text{NDF}$ : 167.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 16.886+/-1.995  $\chi^2/\text{NDF}$ : 48.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

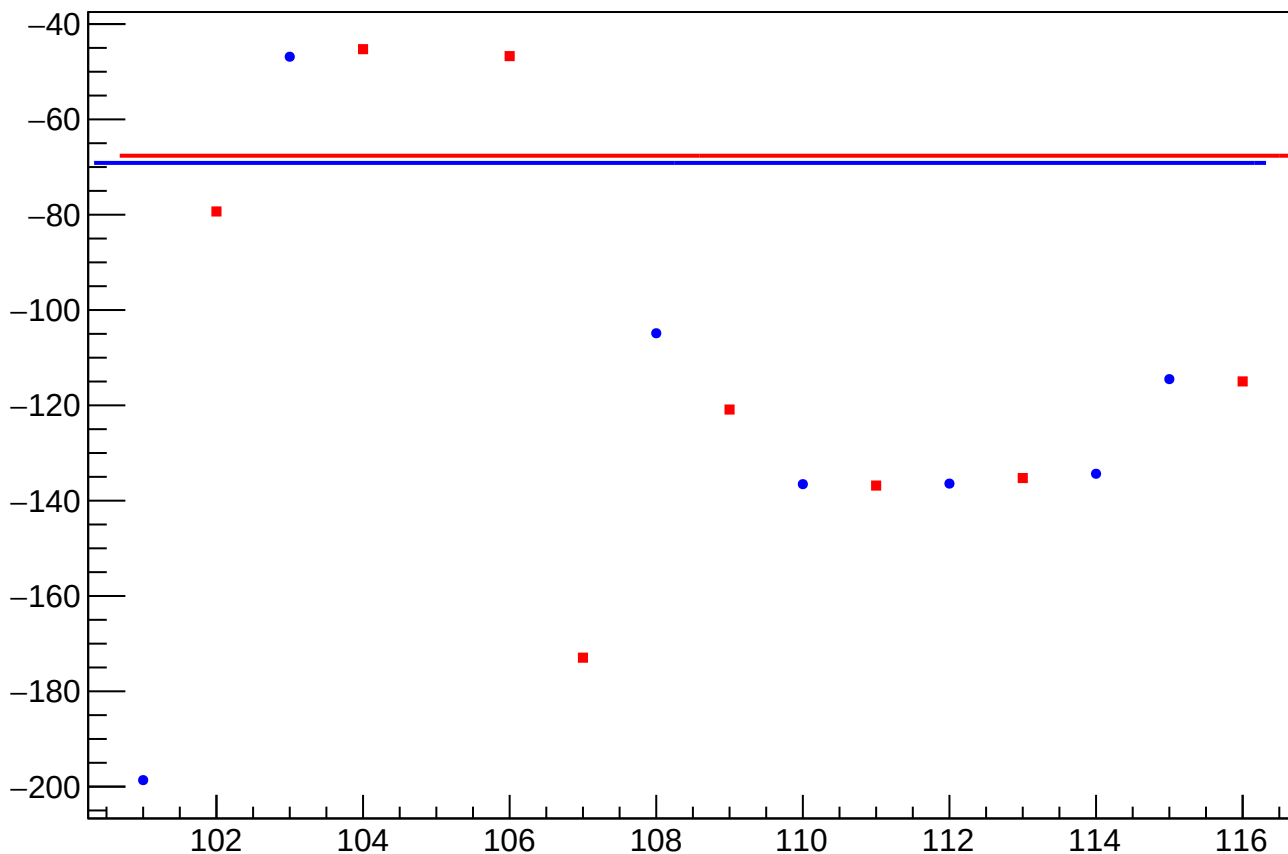
Right: 18.533+/-1.546  $\chi^2/\text{NDF}$ : 217.2/14

In: 21.006+/-2.444  $\chi^2/\text{NDF}$ : 167.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 18.533+/-1.546  $\chi^2/\text{NDF}$ : 217.2/14

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -69.129+/-0.082  $\chi^2/\text{NDF}$ : 266193.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -67.623+/-0.076  $\chi^2/\text{NDF}$ : 228676.8/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

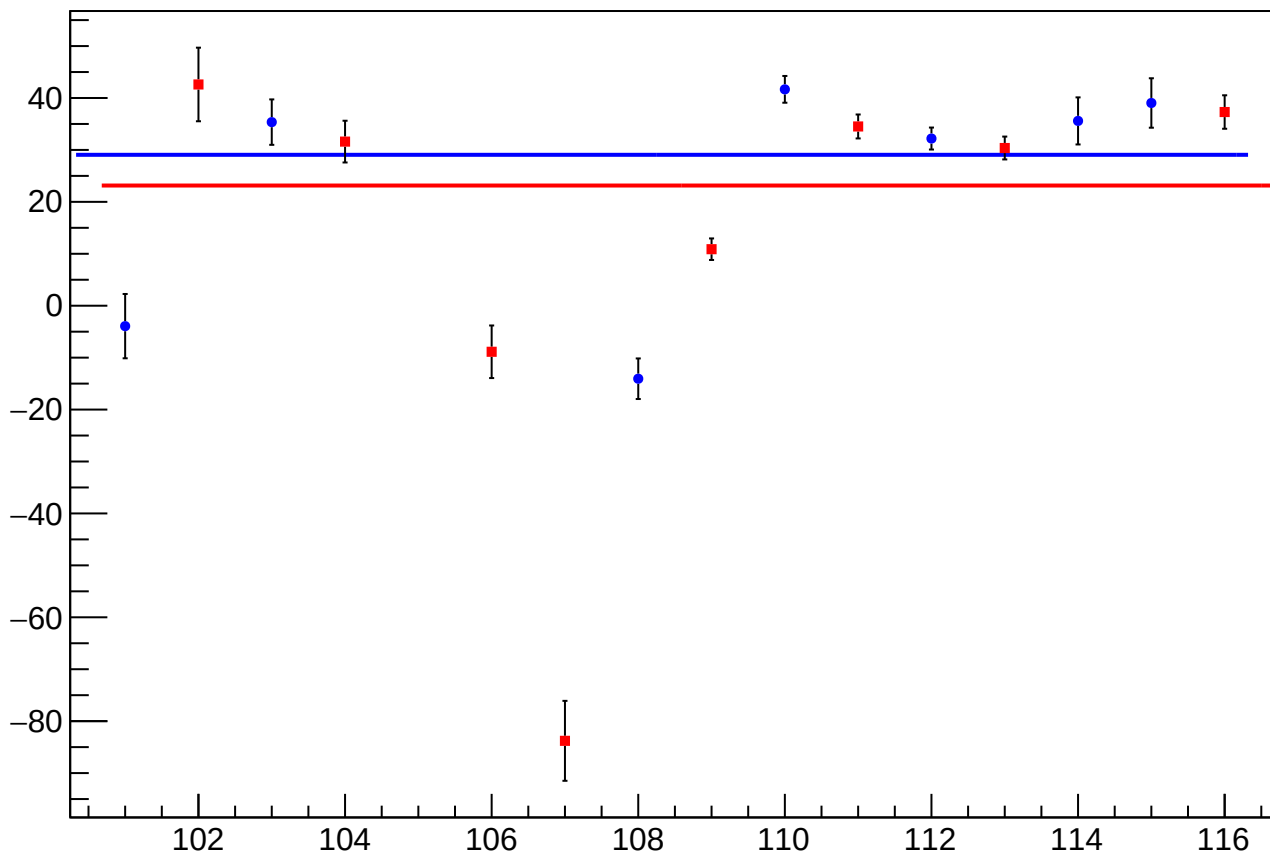
Right: -68.315+/-0.056  $\chi^2/\text{NDF}$ : 495052.0/14

In: -69.129+/-0.082  $\chi^2/\text{NDF}$ : 266193.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -68.315+/-0.056  $\chi^2/\text{NDF}$ : 495052.0/14

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 29.059+/-1.280  $\chi^2$ /NDF: 184.9/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 23.145+/-1.078  $\chi^2$ /NDF: 334.4/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

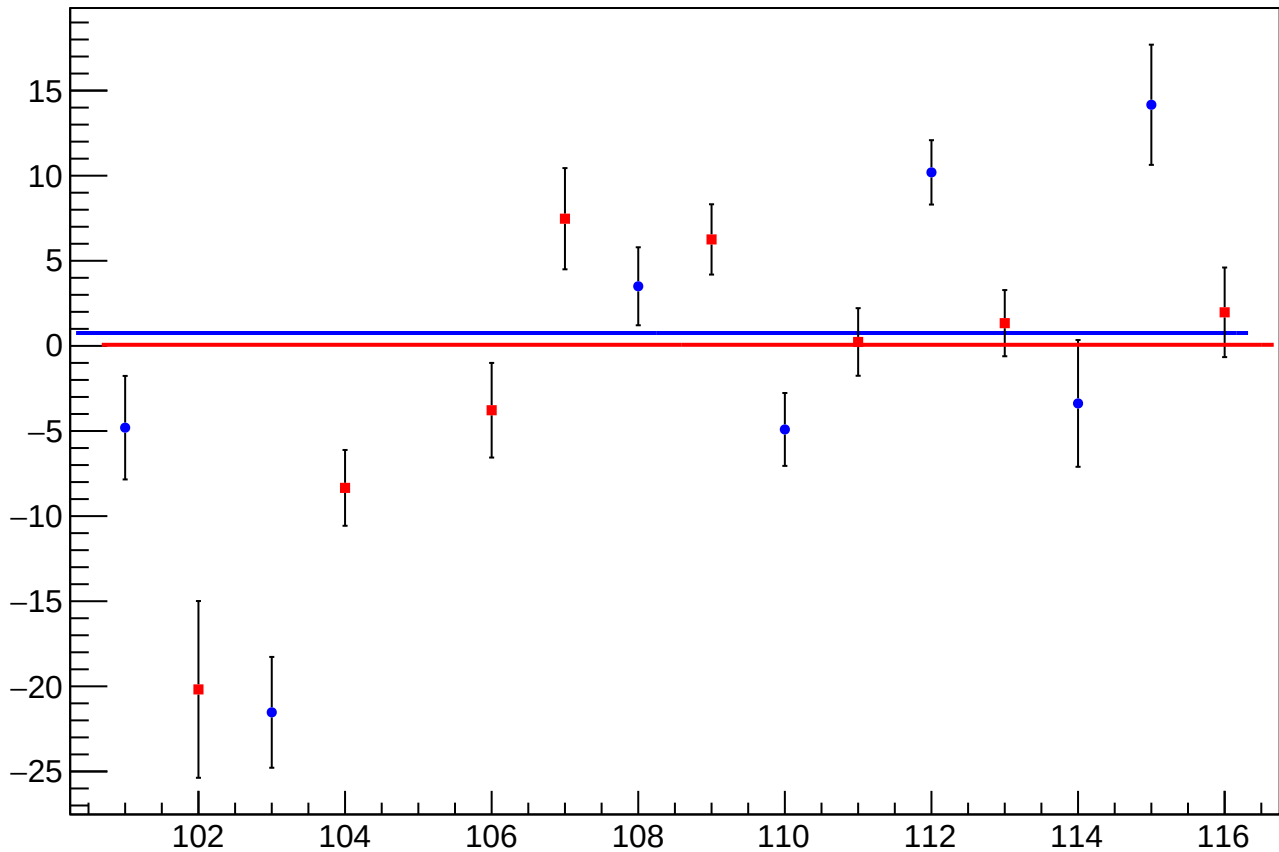
Right: 25.598+/-0.824  $\chi^2$ /NDF: 531.7/14

In: 29.059+/-1.280  $\chi^2$ /NDF:184.9/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 25.598+/-0.824  $\chi^2$ /NDF: 531.7/14

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.757+/-0.979  $\chi^2/\text{NDF}$ : 99.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.064+/-0.852  $\chi^2/\text{NDF}$ : 47.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

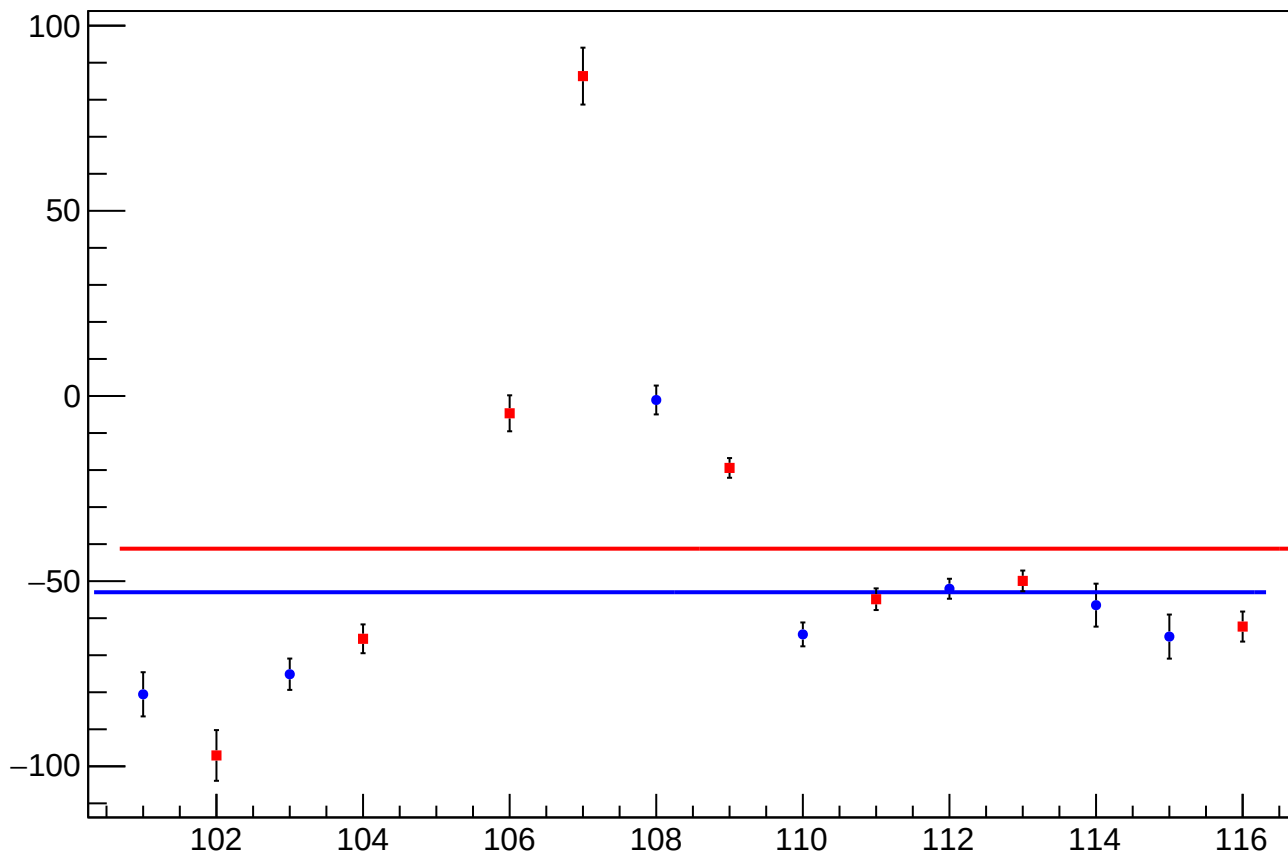
Right: 0.363+/-0.643  $\chi^2/\text{NDF}$ : 147.0/14

In: 0.757+/-0.979  $\chi^2/\text{NDF}$ : 99.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.363+/-0.643  $\chi^2/\text{NDF}$ : 147.0/14

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -52.990 $\pm$ 1.505  $\chi^2$ /NDF: 243.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -41.229 $\pm$ 1.298  $\chi^2$ /NDF: 563.6/7

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

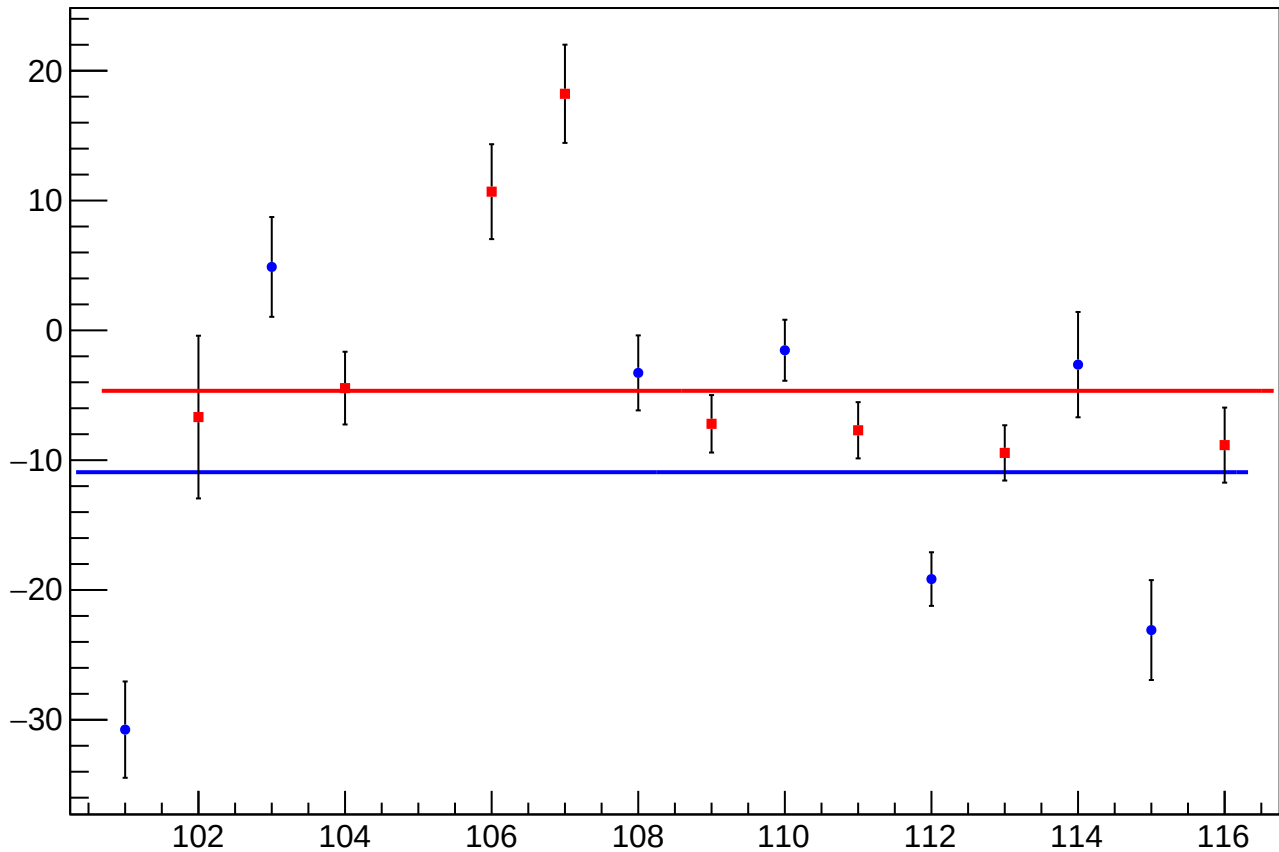
Right: -46.248 $\pm$ 0.983  $\chi^2$ /NDF: 842.0/14

In: -52.990 $\pm$ 1.505  $\chi^2$ /NDF:243.3/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -46.248 $\pm$ 0.983  $\chi^2$ /NDF: 842.0/14

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -10.926 $\pm$ 1.115  $\chi^2$ /NDF: 98.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -4.657 $\pm$ 0.974  $\chi^2$ /NDF: 64.7/7

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

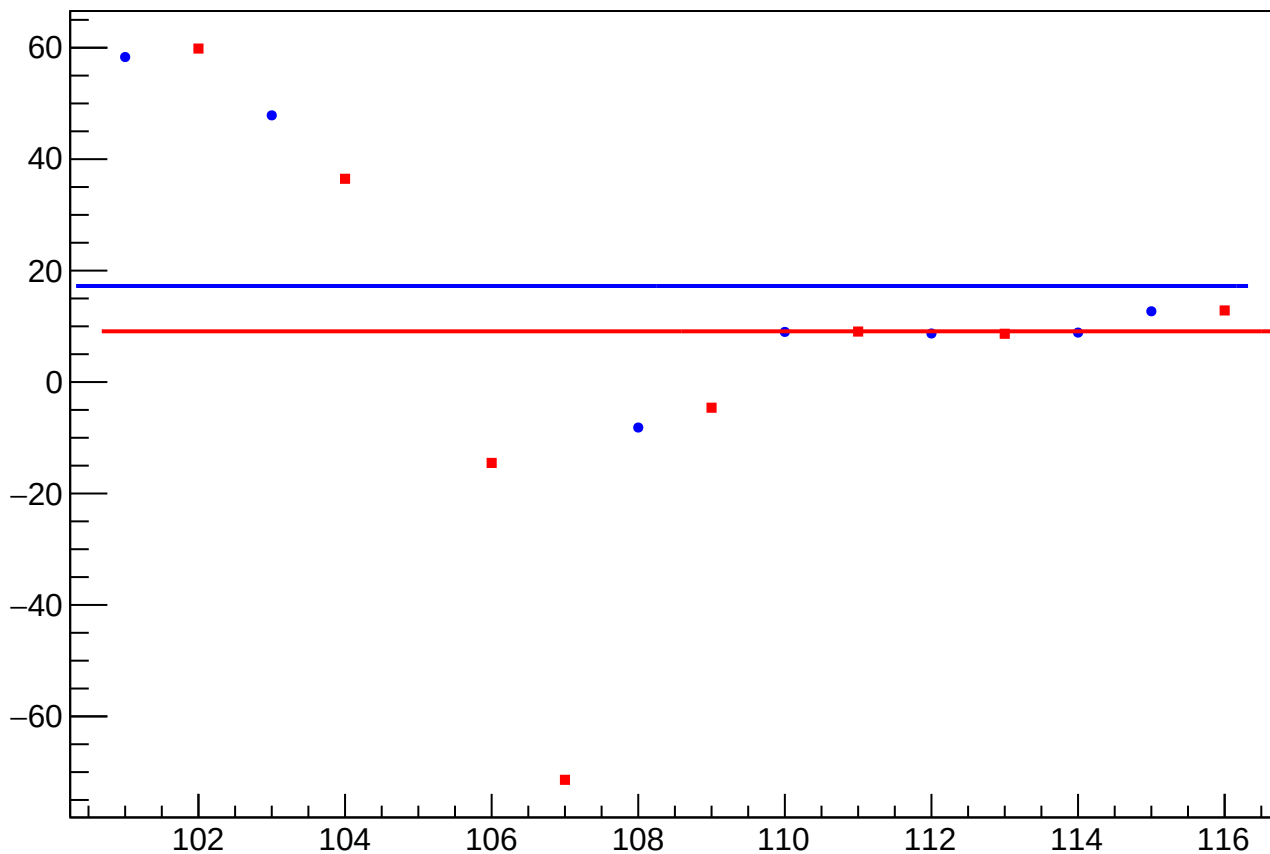
Right: -7.368 $\pm$ 0.733  $\chi^2$ /NDF: 181.2/14

In: -10.926 $\pm$ 1.115  $\chi^2$ /NDF:98.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -7.368 $\pm$ 0.733  $\chi^2$ /NDF: 181.2/14

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 17.240+/-0.050  $\chi^2/\text{NDF}$ : 231452.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.106+/-0.047  $\chi^2/\text{NDF}$ : 430933.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

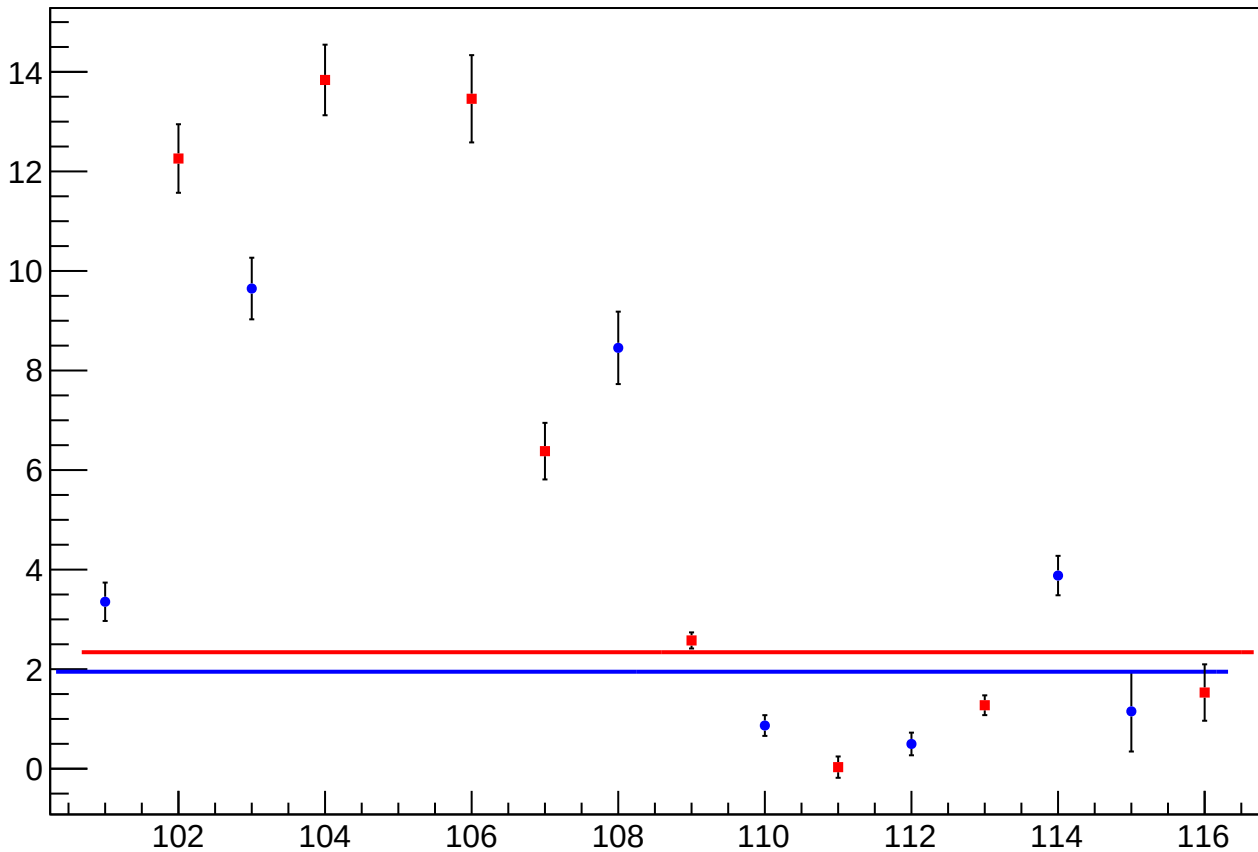
Right: 12.893+/-0.034  $\chi^2/\text{NDF}$ : 676290.5/14

In: 17.240+/-0.050  $\chi^2/\text{NDF}$ : 231452.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 12.893+/-0.034  $\chi^2/\text{NDF}$ : 676290.5/14

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.949+/-0.128  $\chi^2/\text{NDF}$ : 340.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.341+/-0.102  $\chi^2/\text{NDF}$ : 830.9/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 2.188+/-0.079  $\chi^2/\text{NDF}$ : 1177.0/14

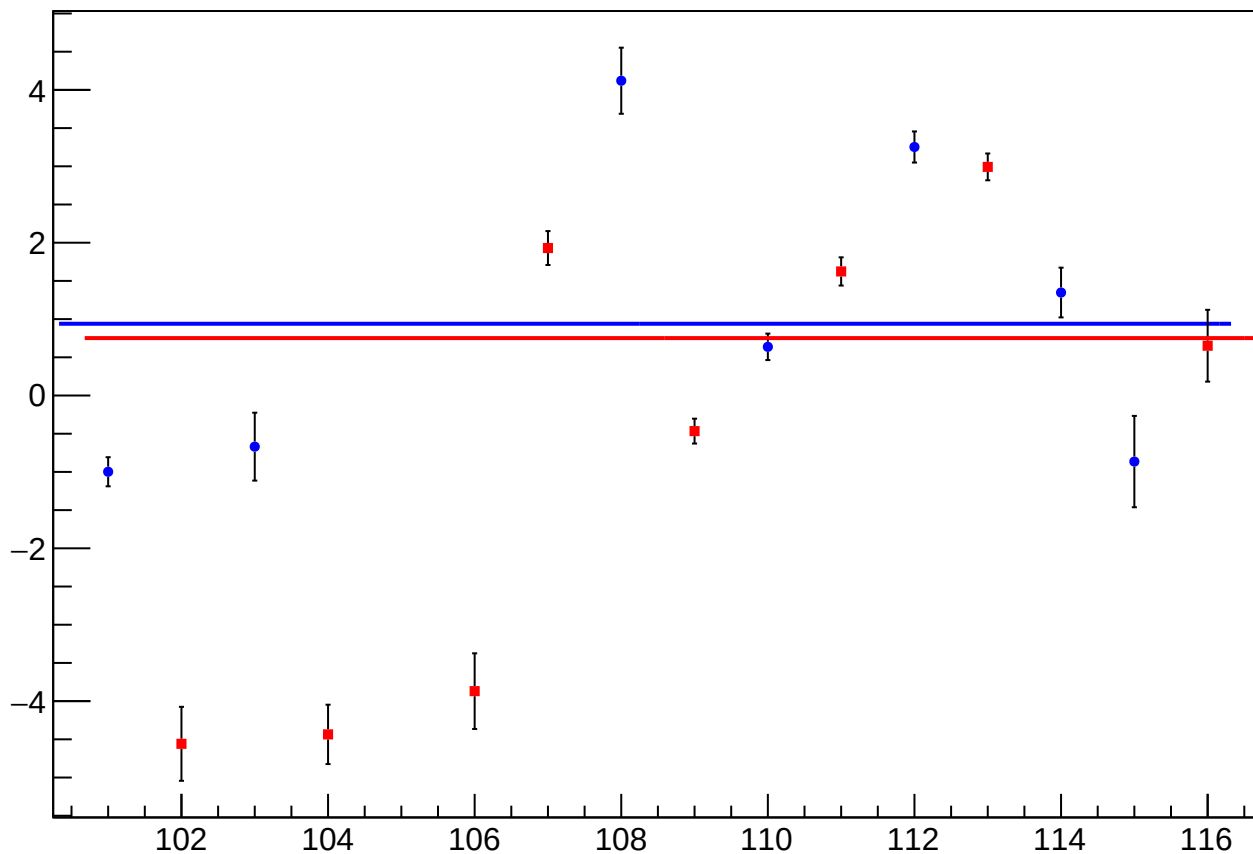
In: 1.949+/-0.128  $\chi^2/\text{NDF}$ : 340.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.188+/-0.079  $\chi^2/\text{NDF}$ : 1177.0/14



reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.939+/-0.096  $\chi^2/\text{NDF}$ : 313.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.752+/-0.085  $\chi^2/\text{NDF}$ : 655.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

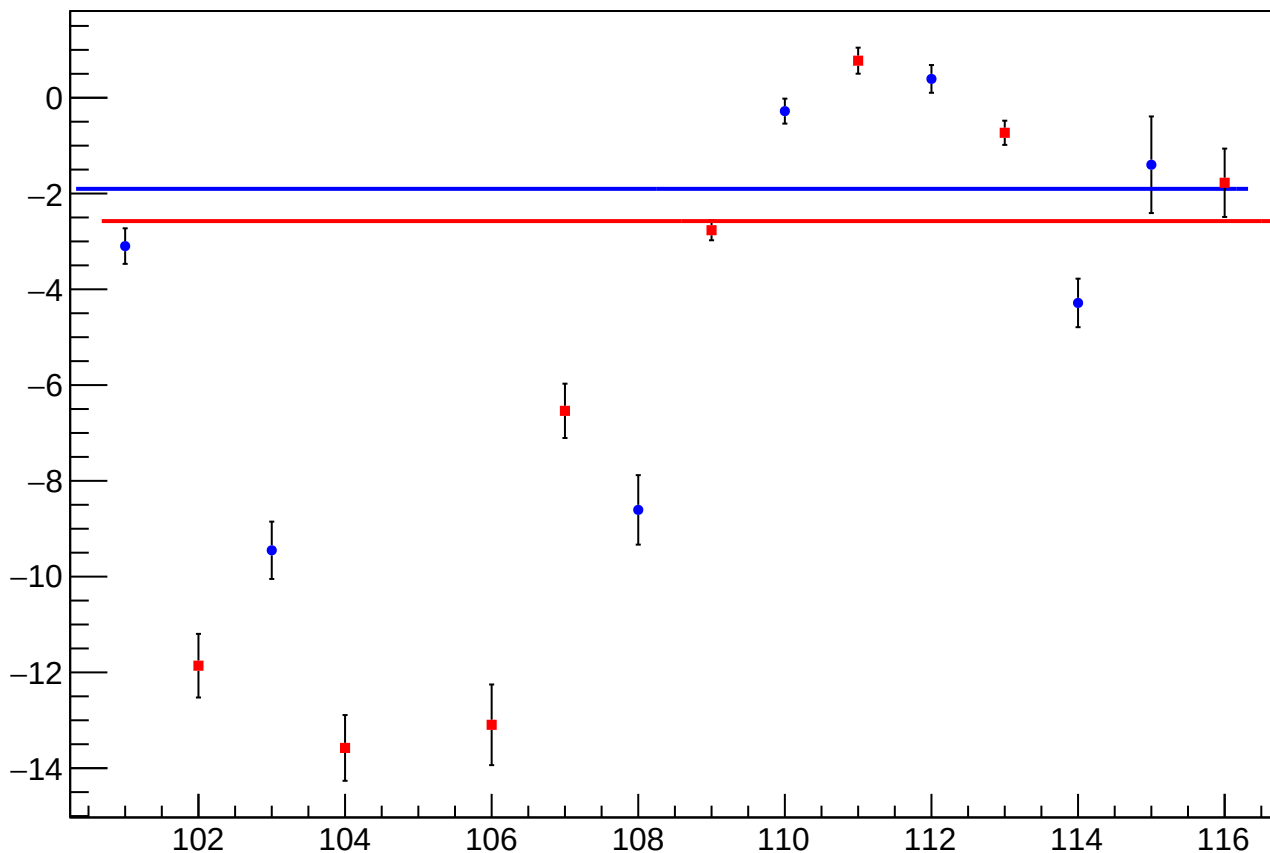
Right: 0.833+/-0.064  $\chi^2/\text{NDF}$ : 970.8/14

In: 0.939+/-0.096  $\chi^2/\text{NDF}$ : 313.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.833+/-0.064  $\chi^2/\text{NDF}$ : 970.8/14

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.902 \pm 0.152$   $\chi^2/\text{NDF}$ : 378.7/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.575 \pm 0.126$   $\chi^2/\text{NDF}$ : 864.4/7

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

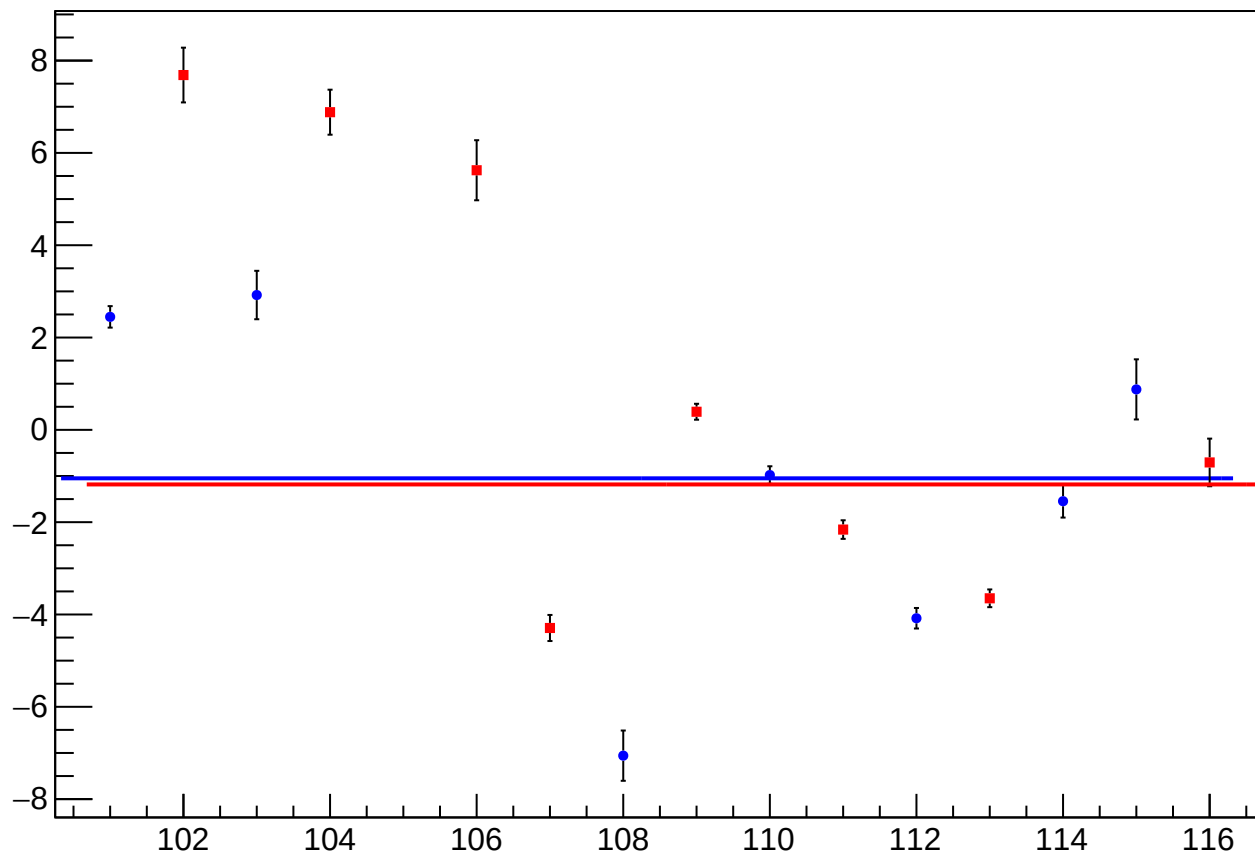
Right:  $-2.300 \pm 0.097$   $\chi^2/\text{NDF}$ : 1254.7/14

In:  $-1.902 \pm 0.152$   $\chi^2/\text{NDF}$ : 378.7/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.300 \pm 0.097$   $\chi^2/\text{NDF}$ : 1254.7/14

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.050+/-0.109  $\chi^2/\text{NDF}$ : 601.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -1.182+/-0.095  $\chi^2/\text{NDF}$ : 1000.5/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

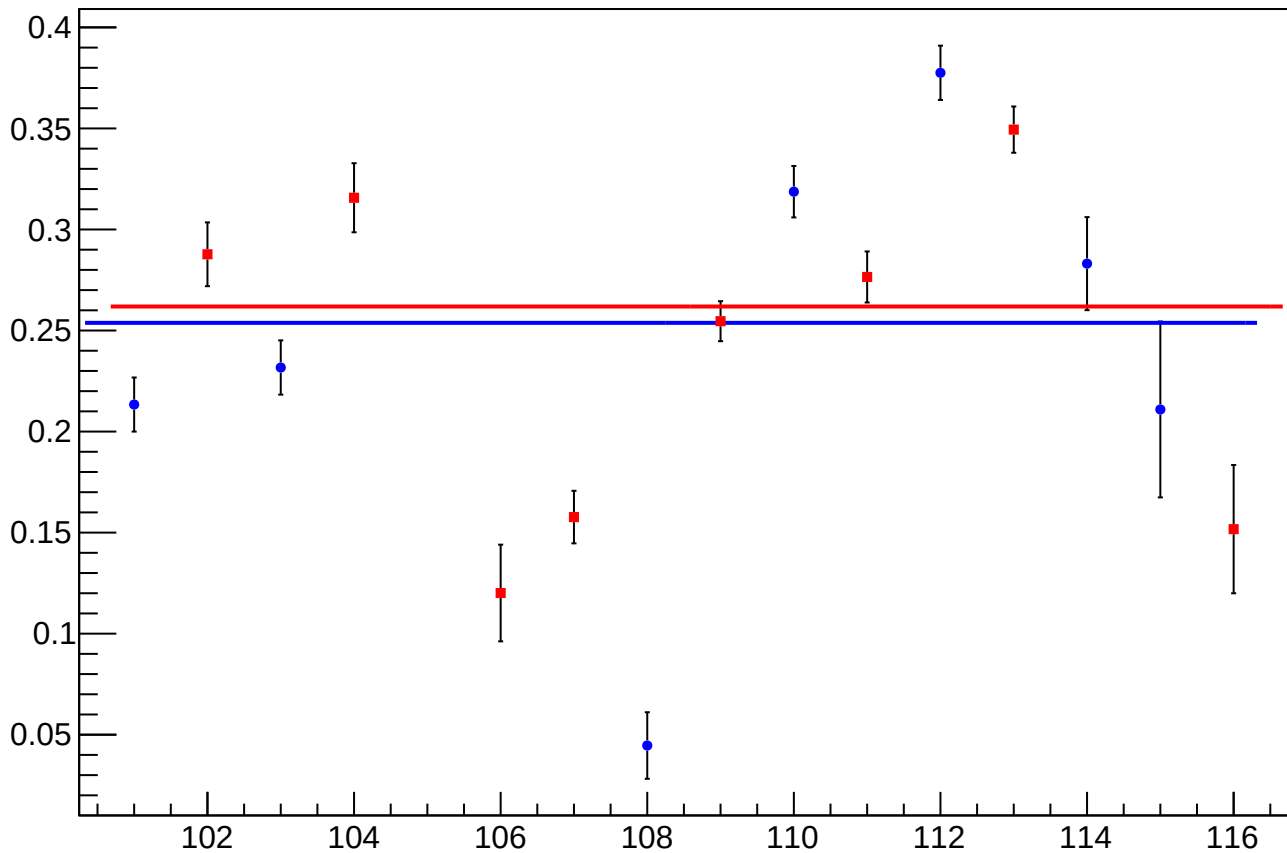
Right: -1.126+/-0.072  $\chi^2/\text{NDF}$ : 1602.7/14

In: -1.050+/-0.109  $\chi^2/\text{NDF}$ :601.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -1.126+/-0.072  $\chi^2/\text{NDF}$ : 1602.7/14

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.254+/-0.006  $\chi^2/\text{NDF}$ : 286.6/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.262+/-0.005  $\chi^2/\text{NDF}$ : 184.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

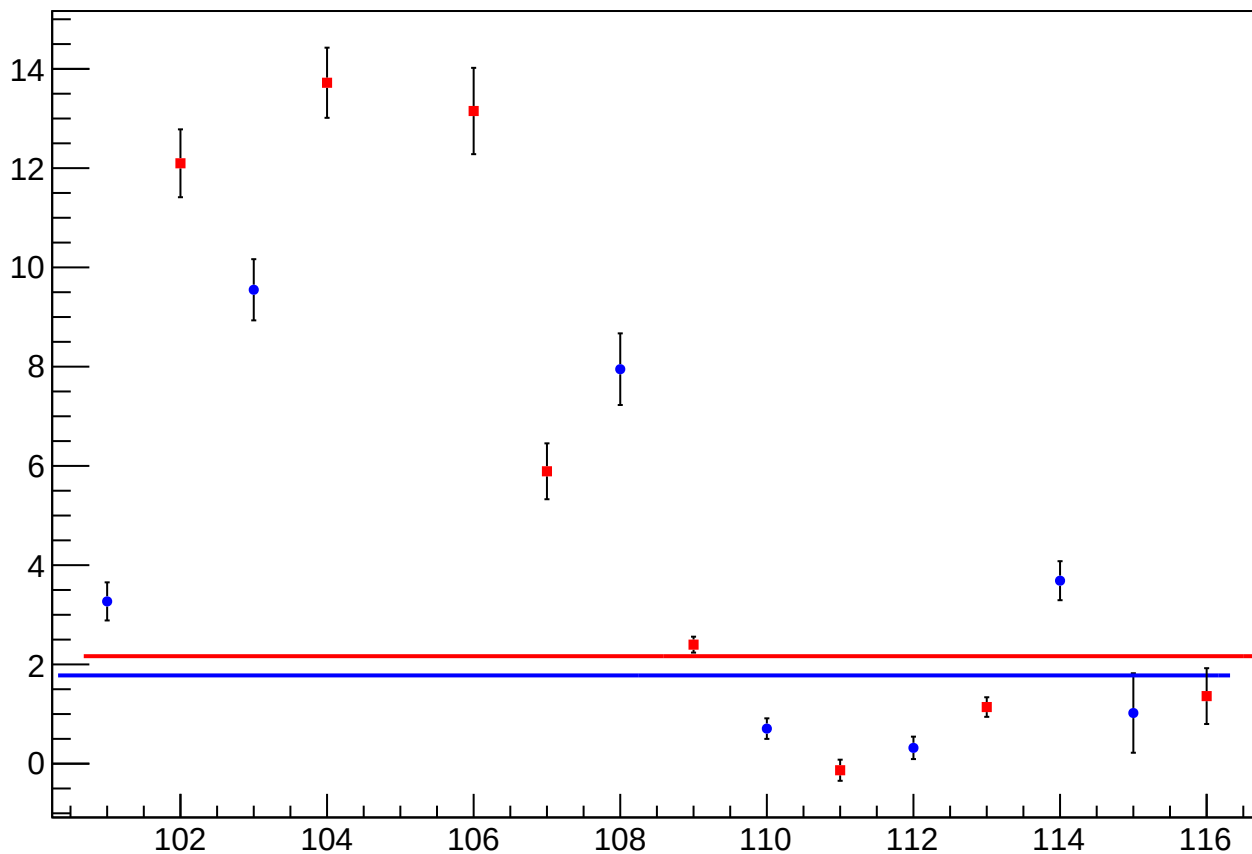
Right: 0.258+/-0.004  $\chi^2/\text{NDF}$ : 472.0/14

In: 0.254+/-0.006  $\chi^2/\text{NDF}$ : 286.6/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.258+/-0.004  $\chi^2/\text{NDF}$ : 472.0/14

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.778+/-0.127  $\chi^2/\text{NDF}$ : 340.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.166+/-0.101  $\chi^2/\text{NDF}$ : 829.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

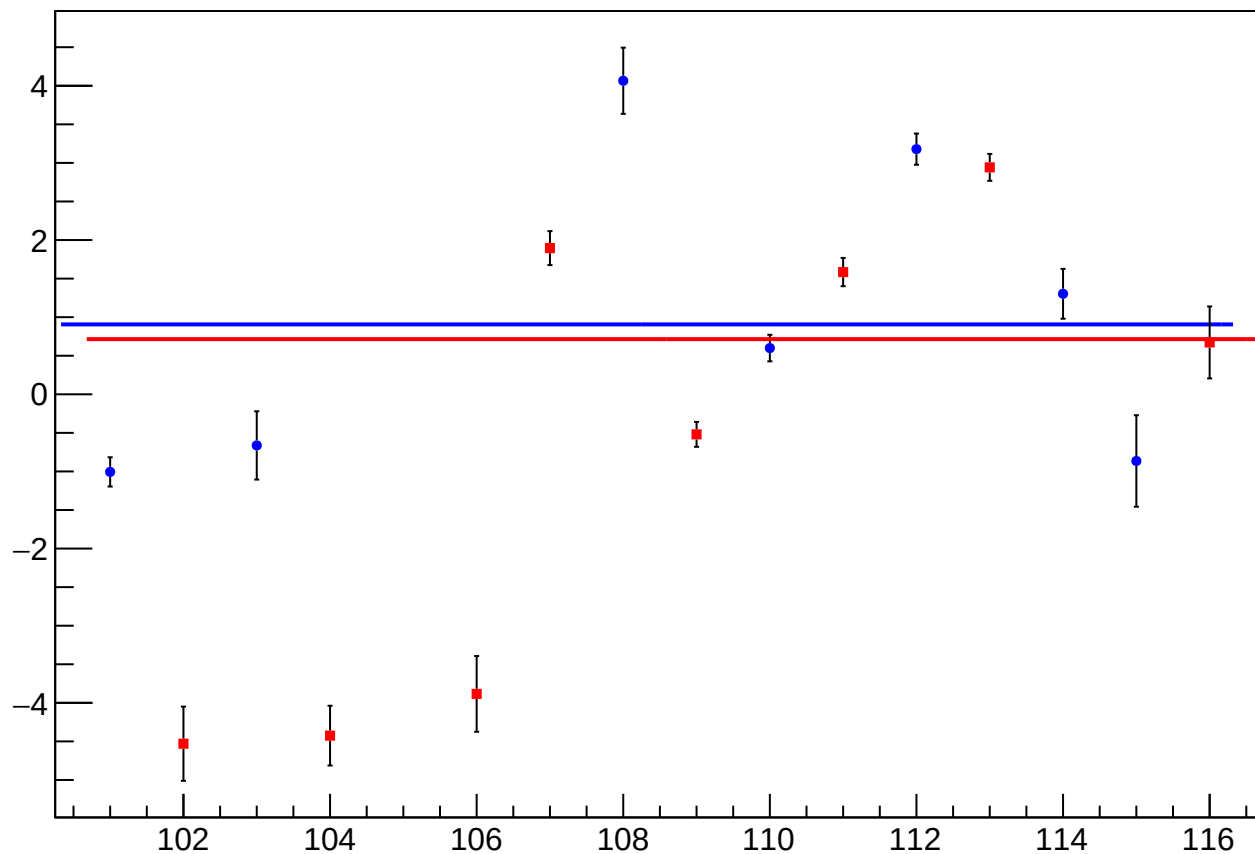
Right: 2.016+/-0.079  $\chi^2/\text{NDF}$ : 1175.2/14

In: 1.778+/-0.127  $\chi^2/\text{NDF}$ : 340.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.016+/-0.079  $\chi^2/\text{NDF}$ : 1175.2/14

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.906+/-0.096  $\chi^2/\text{NDF}$ : 308.3/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.715+/-0.084  $\chi^2/\text{NDF}$ : 656.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

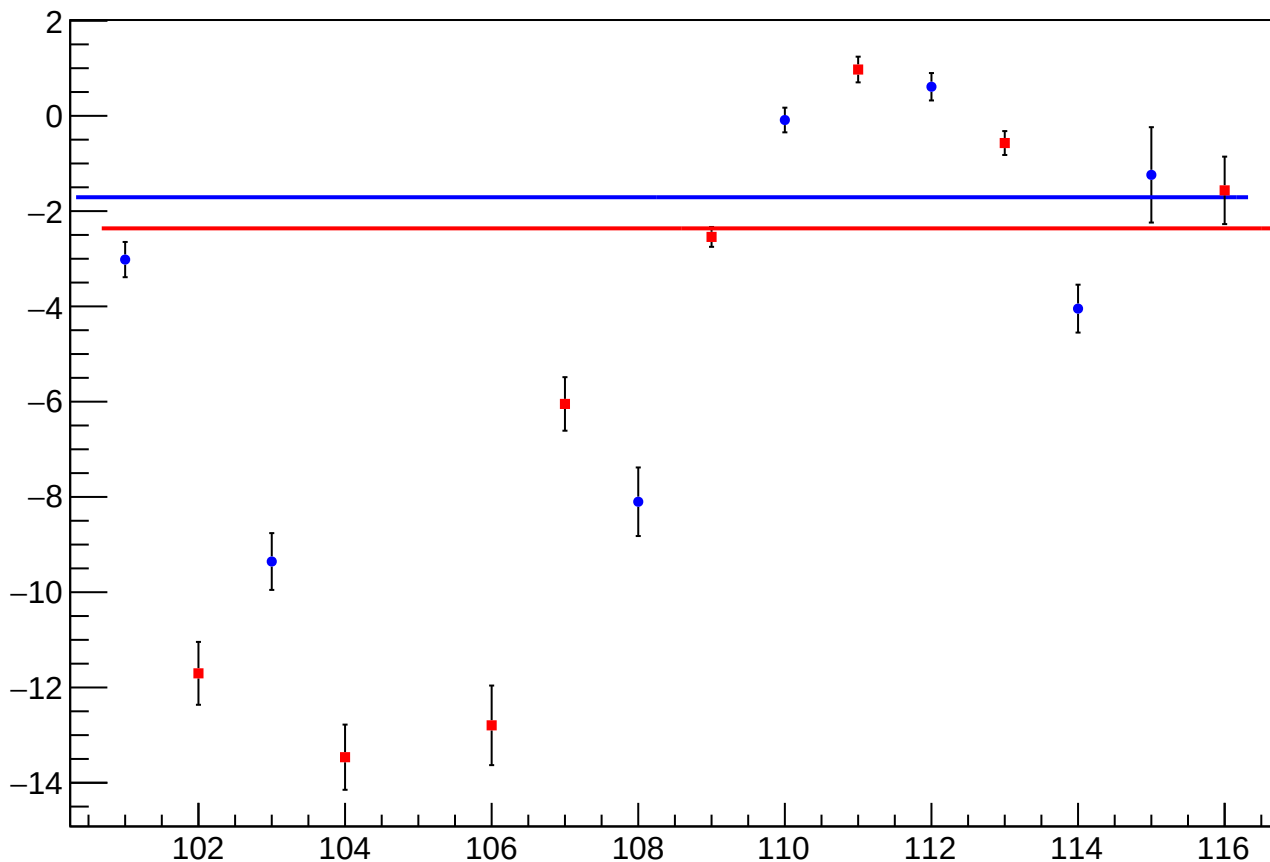
Right: 0.798+/-0.063  $\chi^2/\text{NDF}$ : 966.5/14

In: 0.906+/-0.096  $\chi^2/\text{NDF}$ : 308.3/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.798+/-0.063  $\chi^2/\text{NDF}$ : 966.5/14

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.709+/-0.151  $\chi^2/\text{NDF}$ : 382.0/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.362+/-0.125  $\chi^2/\text{NDF}$ : 868.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

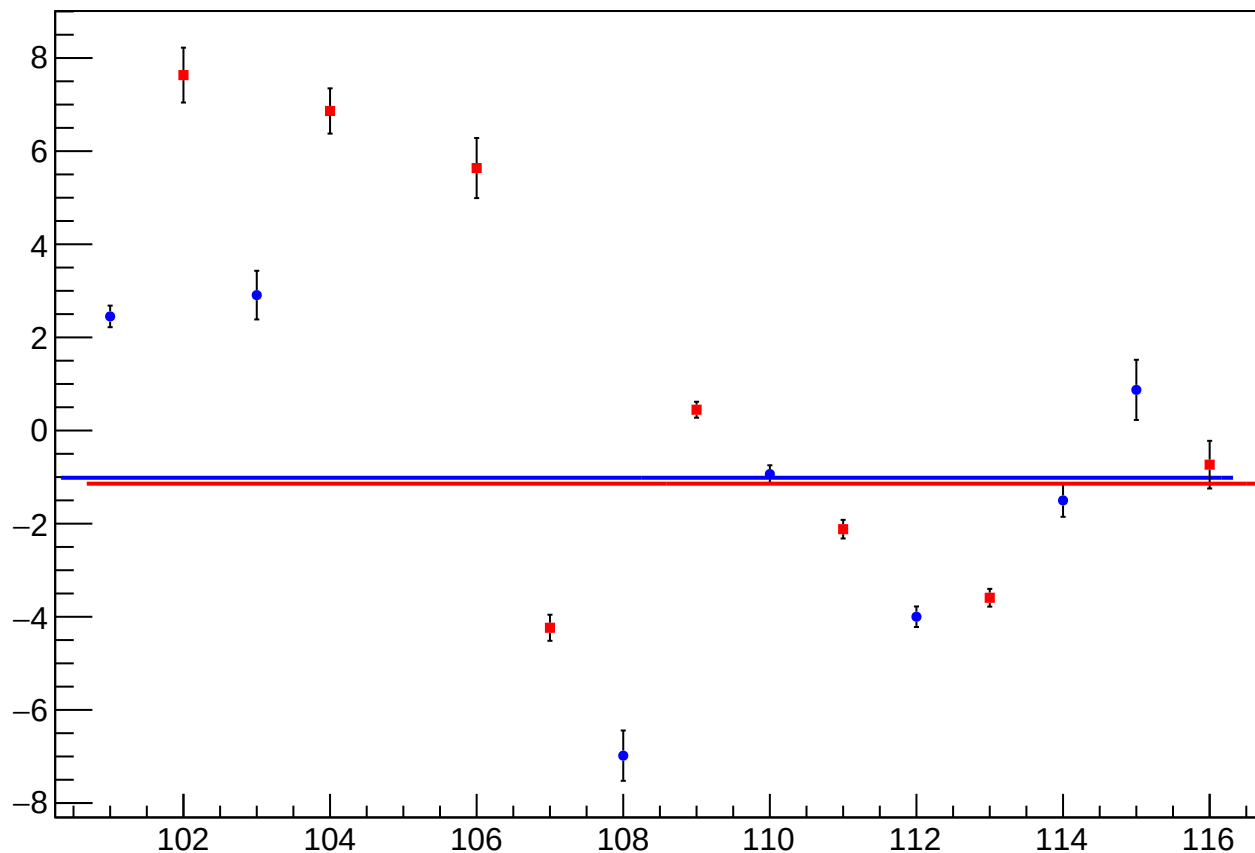
Right: -2.095+/-0.096  $\chi^2/\text{NDF}$ : 1261.4/14

In: -1.709+/-0.151  $\chi^2/\text{NDF}$ : 382.0/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.095+/-0.096  $\chi^2/\text{NDF}$ : 1261.4/14

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.014 $\pm$ 0.109  $\chi^2$ /NDF: 595.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.141 $\pm$ 0.094  $\chi^2$ /NDF: 1001.1/7

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: -1.087 $\pm$ 0.071  $\chi^2$ /NDF: 1597.0/14

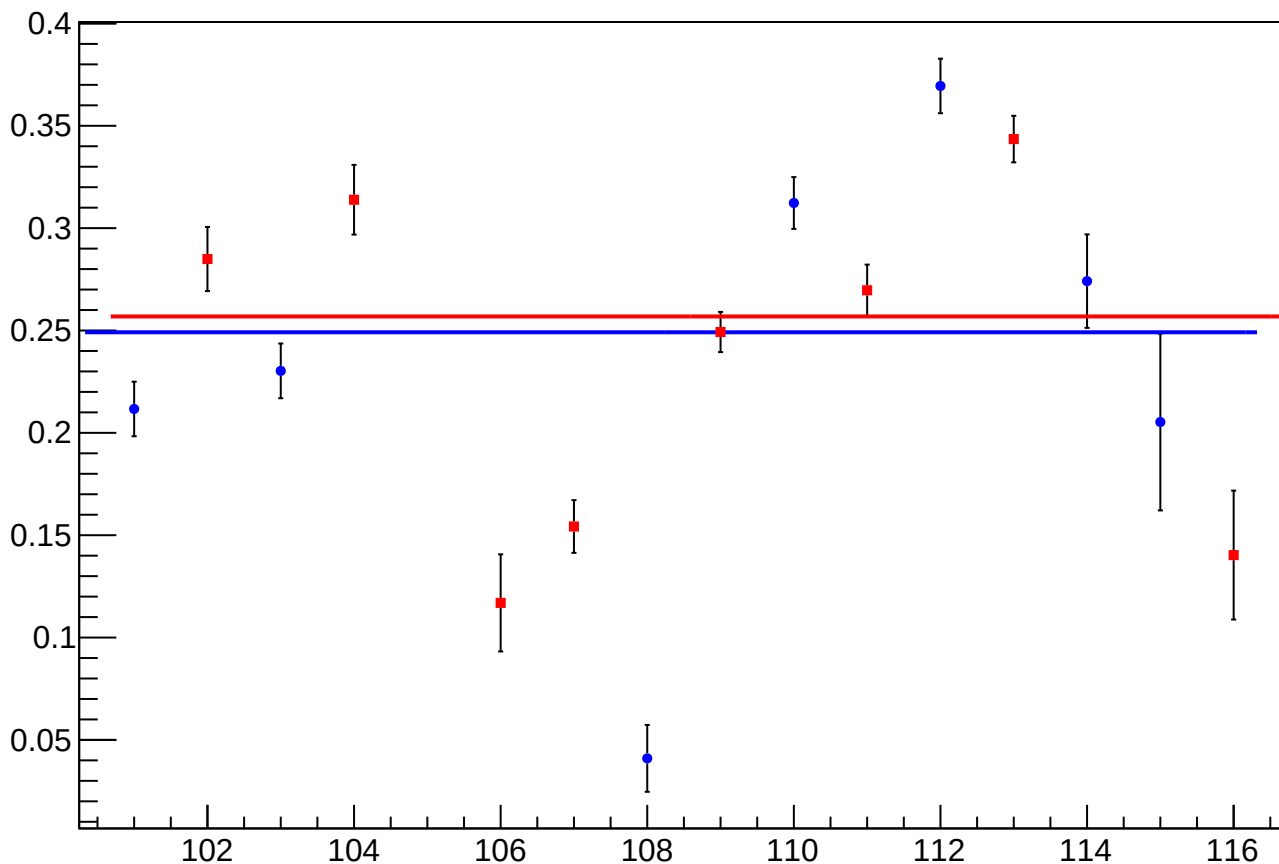
In: -1.014 $\pm$ 0.109  $\chi^2$ /NDF:595.2/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -1.087 $\pm$ 0.071  $\chi^2$ /NDF: 1597.0/14



reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.249+/-0.006  $\chi^2/\text{NDF}$ : 280.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.257+/-0.005  $\chi^2/\text{NDF}$ : 186.0/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

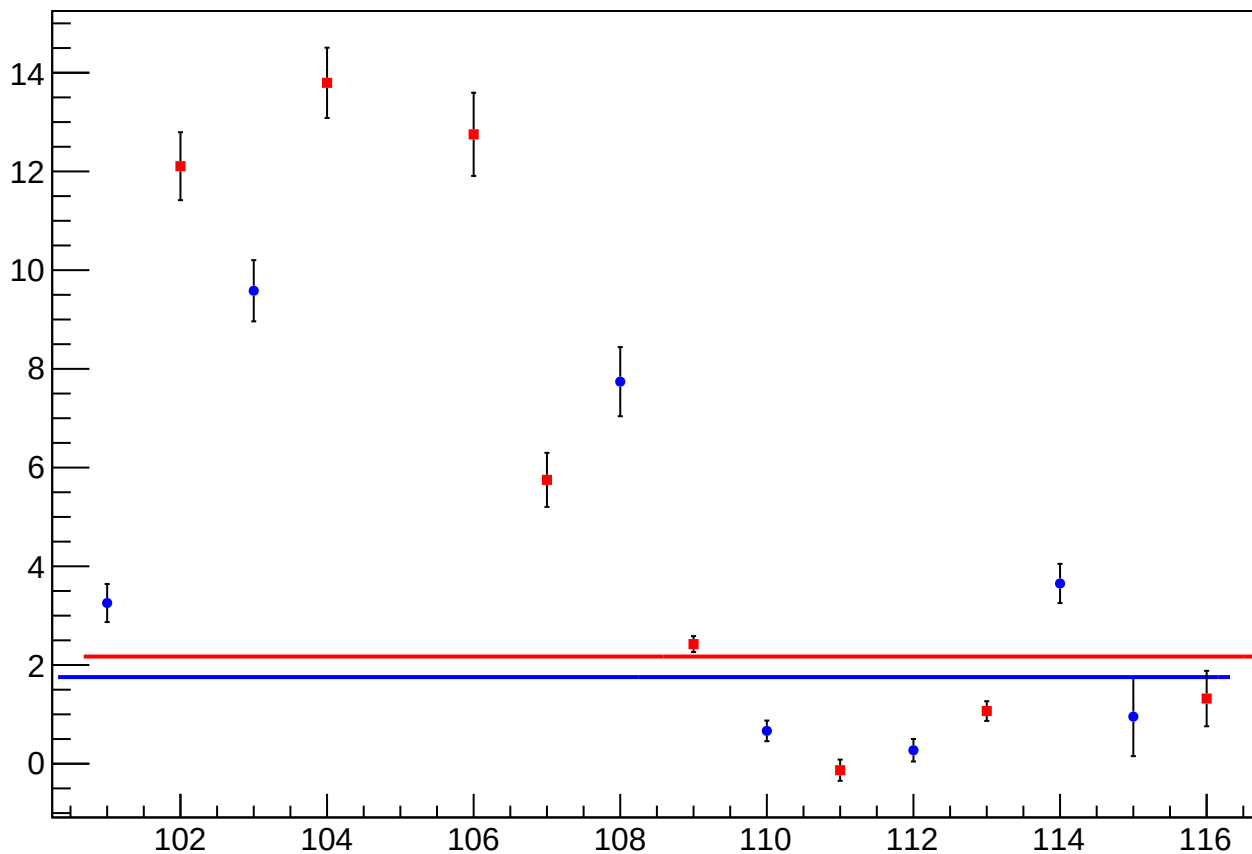
Right: 0.254+/-0.004  $\chi^2/\text{NDF}$ : 467.9/14

In: 0.249+/-0.006  $\chi^2/\text{NDF}$ : 280.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.254+/-0.004  $\chi^2/\text{NDF}$ : 467.9/14

reg\_asym\_bcm\_an\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.755+/-0.128  $\chi^2/\text{NDF}$ : 340.1/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.171+/-0.102  $\chi^2/\text{NDF}$ : 825.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

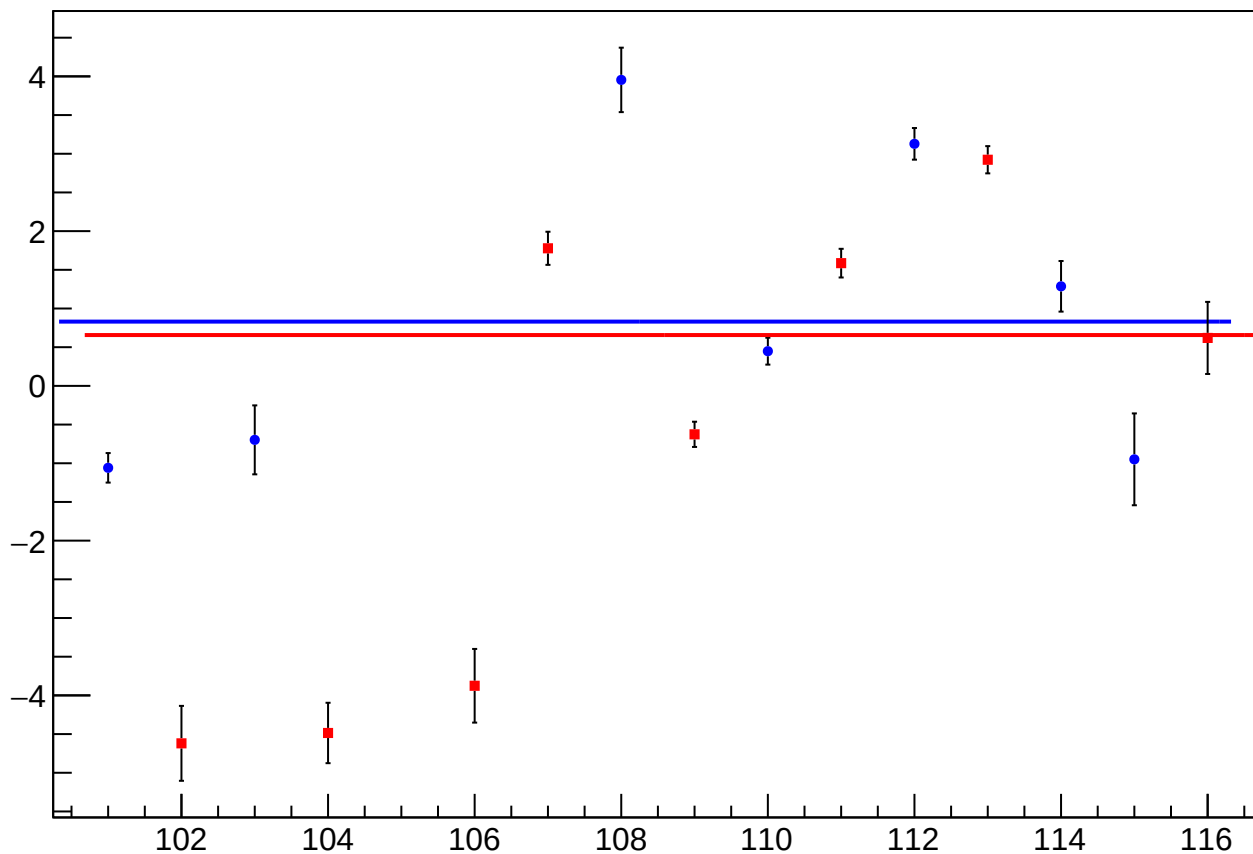
Right: 2.010+/-0.080  $\chi^2/\text{NDF}$ : 1171.6/14

In: 1.755+/-0.128  $\chi^2/\text{NDF}$ : 340.1/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.010+/-0.080  $\chi^2/\text{NDF}$ : 1171.6/14

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.831+/-0.096  $\chi^2/\text{NDF}$ : 308.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.657+/-0.084  $\chi^2/\text{NDF}$ : 663.4/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

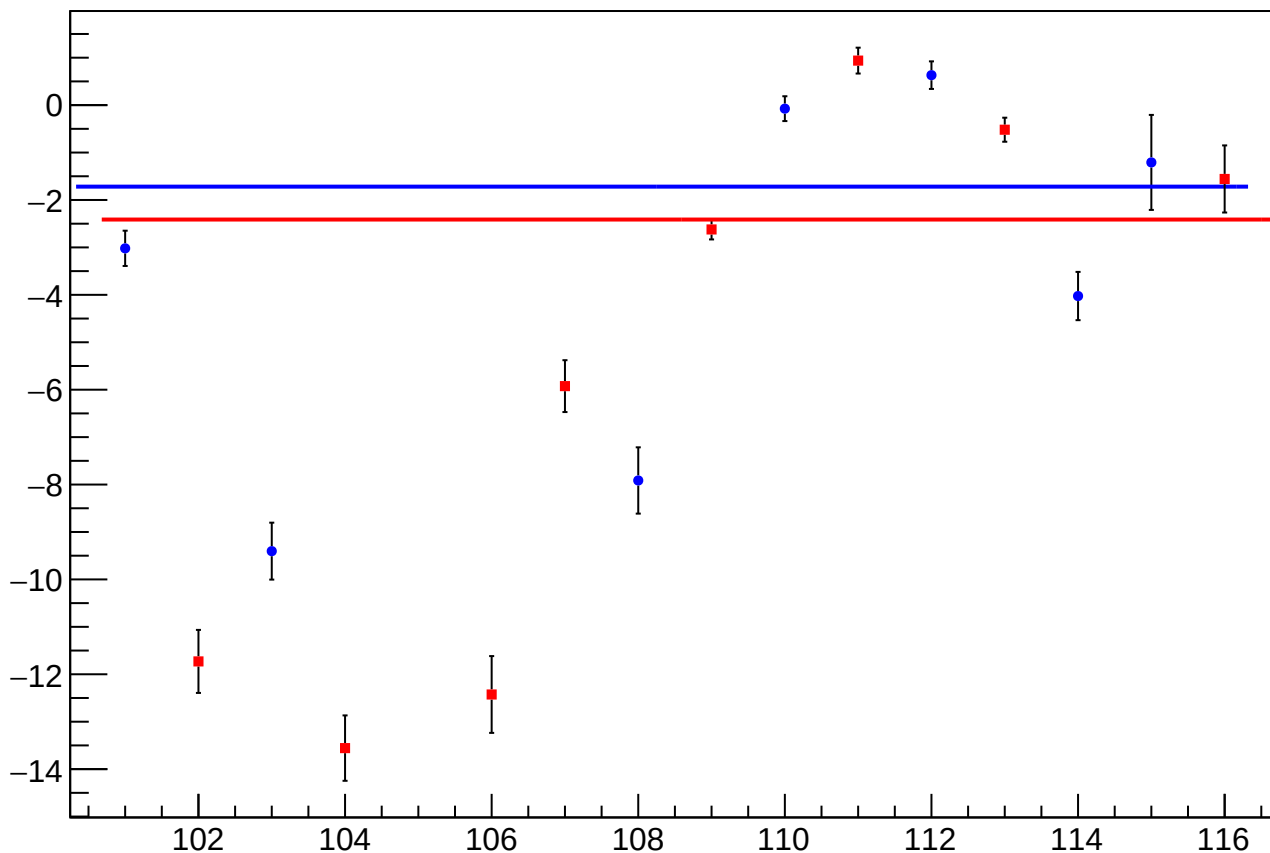
Right: 0.732+/-0.063  $\chi^2/\text{NDF}$ : 973.4/14

In: 0.831+/-0.096  $\chi^2/\text{NDF}$ : 308.2/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.732+/-0.063  $\chi^2/\text{NDF}$ : 973.4/14

reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.719+/-0.152  $\chi^2/\text{NDF}$ : 380.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.413+/-0.126  $\chi^2/\text{NDF}$ : 861.6/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

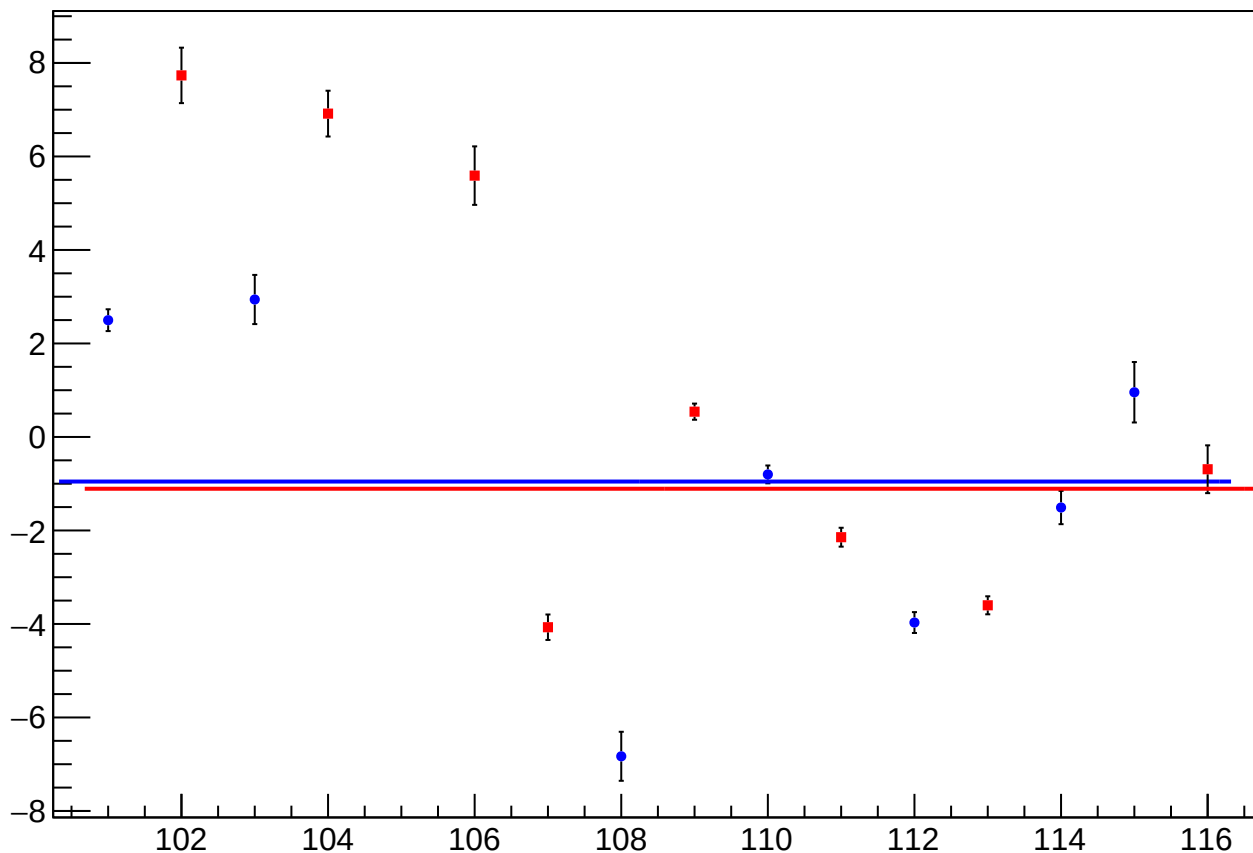
Right: -2.129+/-0.097  $\chi^2/\text{NDF}$ : 1254.3/14

In: -1.719+/-0.152  $\chi^2/\text{NDF}$ : 380.4/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.129+/-0.097  $\chi^2/\text{NDF}$ : 1254.3/14

reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-0.953 \pm 0.109$   $\chi^2/\text{NDF}$ : 593.8/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.108 \pm 0.095$   $\chi^2/\text{NDF}$ : 1009.0/7

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

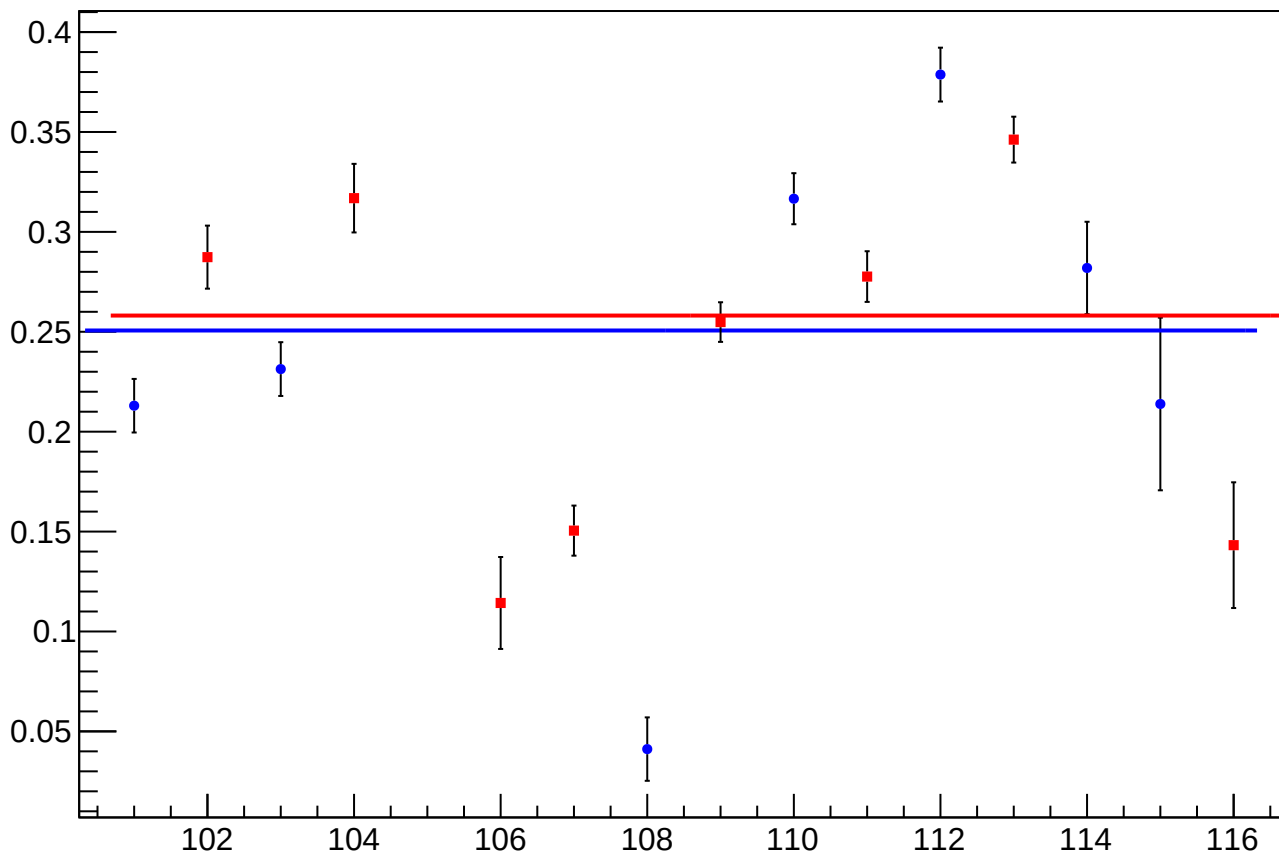
Right:  $-1.042 \pm 0.072$   $\chi^2/\text{NDF}$ : 1603.9/14

In:  $-0.953 \pm 0.109$   $\chi^2/\text{NDF}$ : 593.8/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.042 \pm 0.072$   $\chi^2/\text{NDF}$ : 1603.9/14

reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.251+/-0.006  $\chi^2/\text{NDF}$ : 303.7/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.258+/-0.005  $\chi^2/\text{NDF}$ : 202.7/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

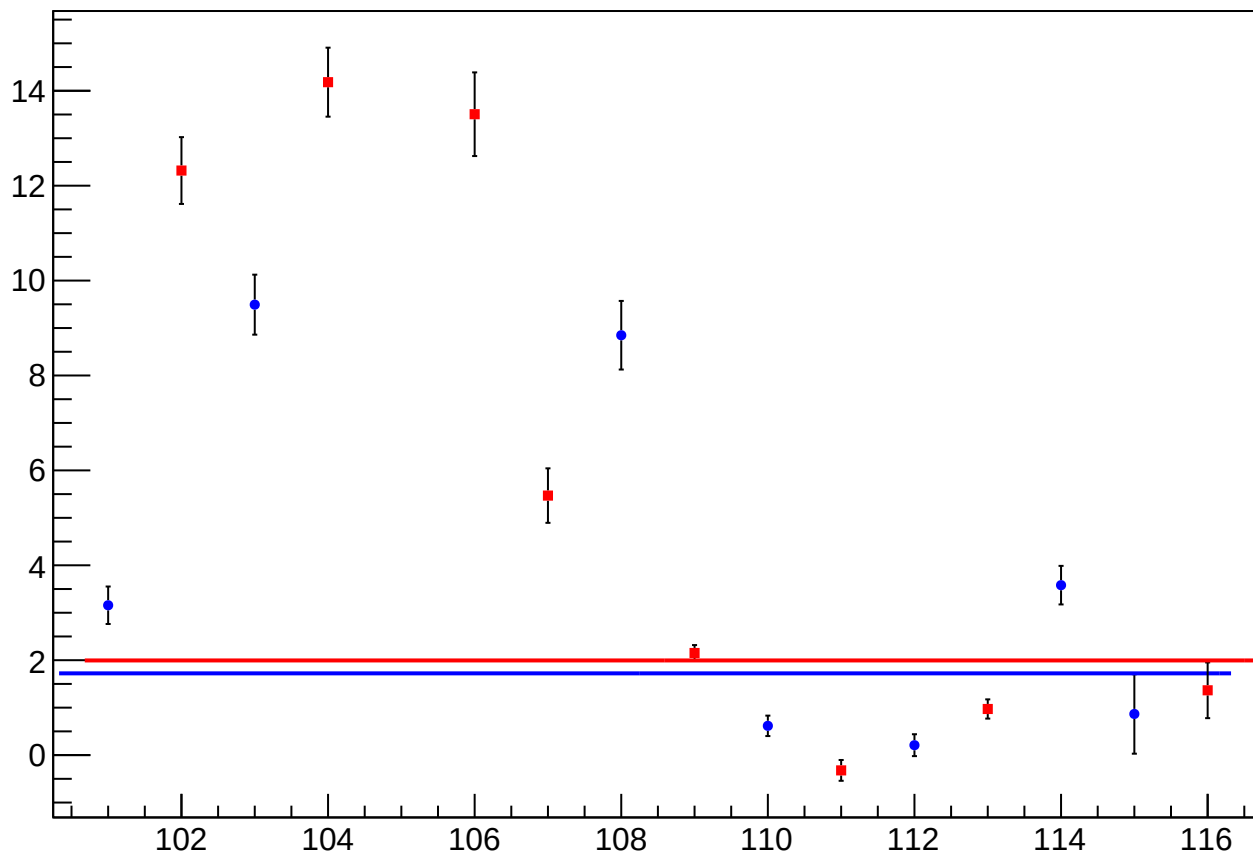
Right: 0.255+/-0.004  $\chi^2/\text{NDF}$ : 507.4/14

In: 0.251+/-0.006  $\chi^2/\text{NDF}$ :303.7/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.255+/-0.004  $\chi^2/\text{NDF}$ : 507.4/14

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.723+/-0.131  $\chi^2/\text{NDF}$ : 352.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 1.995+/-0.104  $\chi^2/\text{NDF}$ : 842.1/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

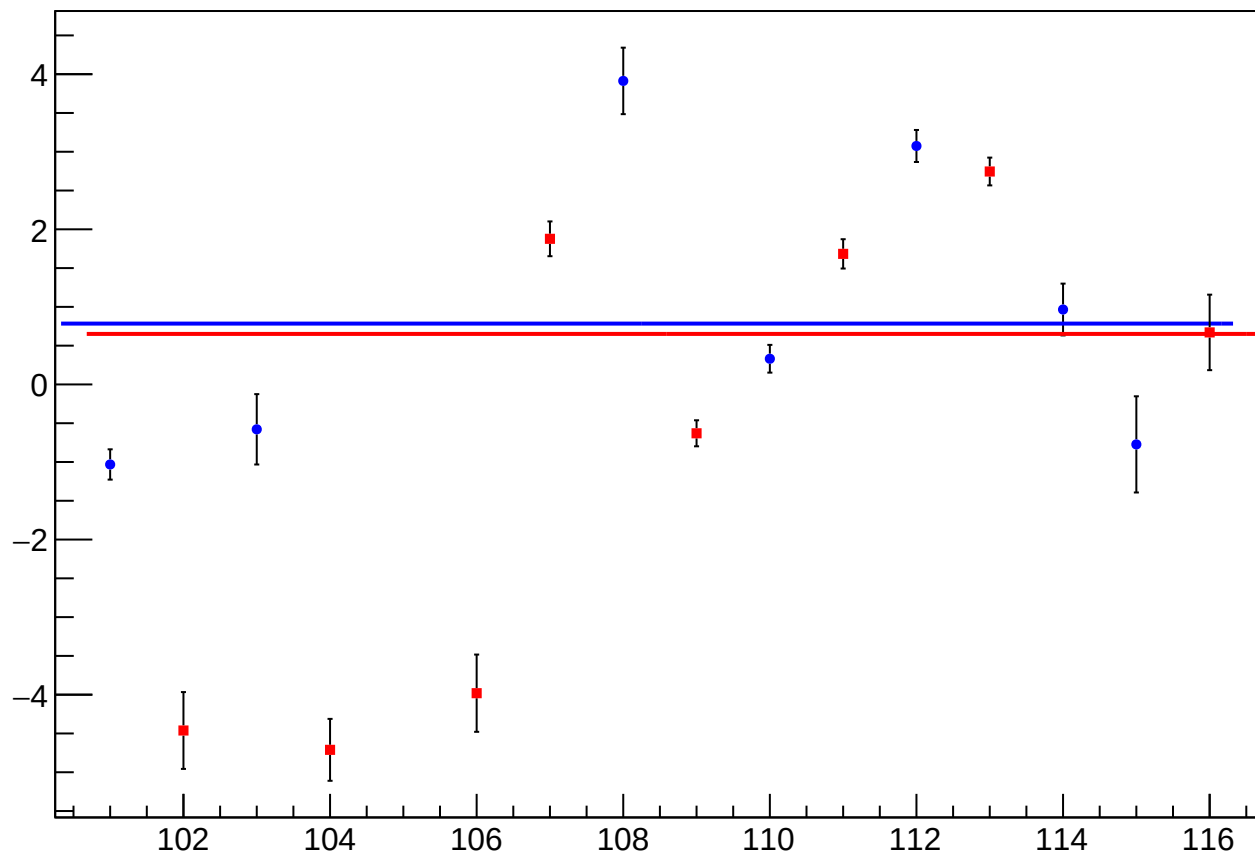
Right: 1.889+/-0.081  $\chi^2/\text{NDF}$ : 1197.7/14

In: 1.723+/-0.131  $\chi^2/\text{NDF}$ :352.8/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 1.889+/-0.081  $\chi^2/\text{NDF}$ : 1197.7/14

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.784+/-0.099  $\chi^2/\text{NDF}$ : 284.9/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.651+/-0.087  $\chi^2/\text{NDF}$ : 628.3/7

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.709+/-0.065  $\chi^2/\text{NDF}$ : 914.2/14

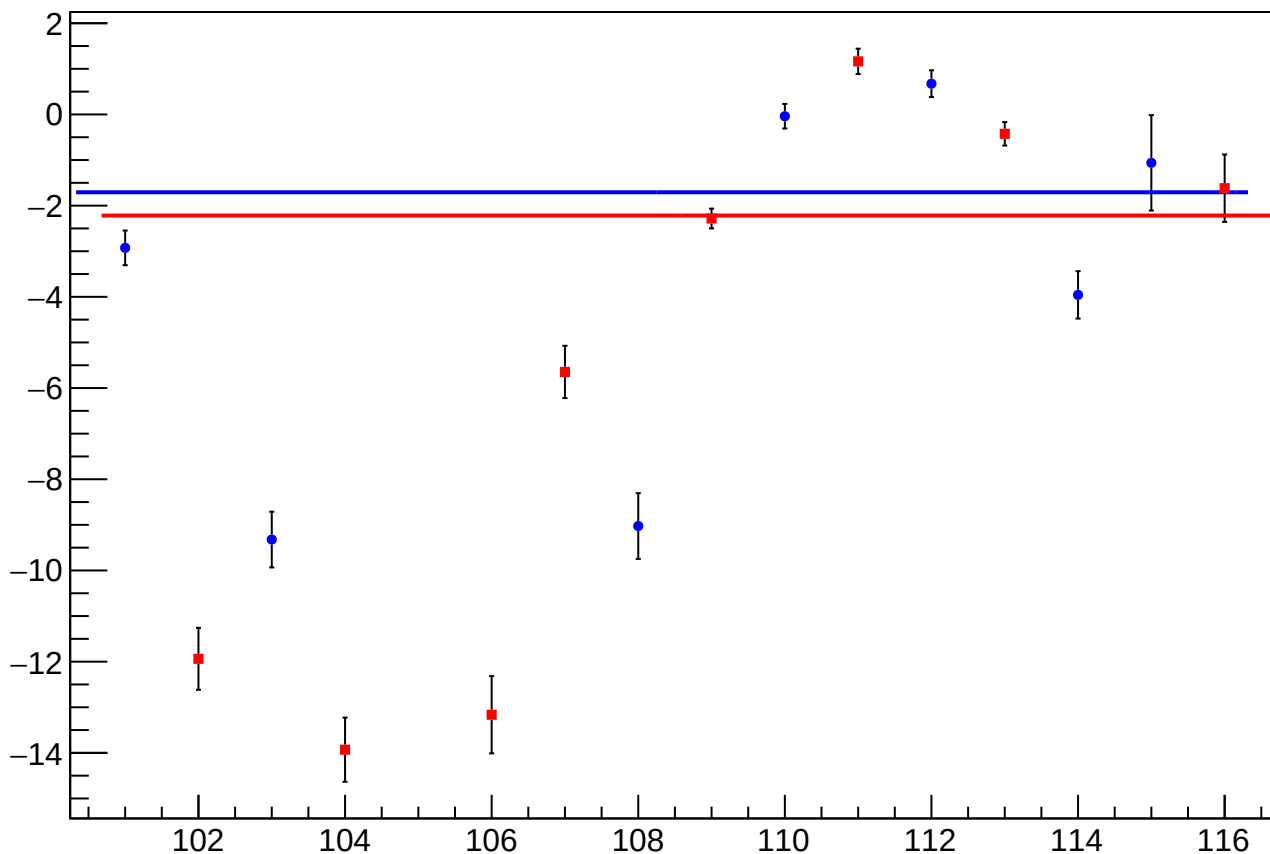
In: 0.784+/-0.099  $\chi^2/\text{NDF}$ :284.9/6

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.709+/-0.065  $\chi^2/\text{NDF}$ : 914.2/14



reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.707 \pm 0.155$   $\chi^2/\text{NDF}$ : 391.7/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.217 \pm 0.129$   $\chi^2/\text{NDF}$ : 881.1/7

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

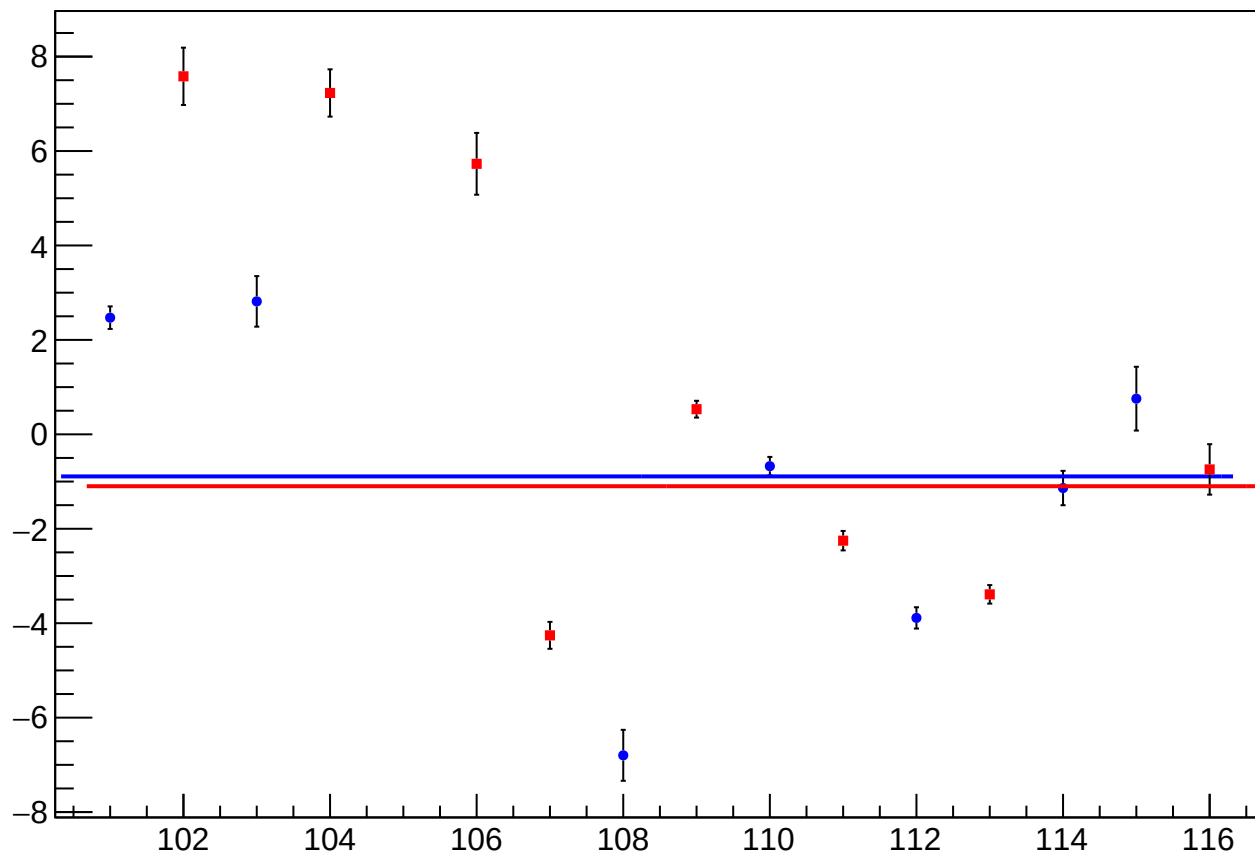
Right:  $-2.008 \pm 0.099$   $\chi^2/\text{NDF}$ : 1279.2/14

In:  $-1.707 \pm 0.155$   $\chi^2/\text{NDF}$ : 391.7/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.008 \pm 0.099$   $\chi^2/\text{NDF}$ : 1279.2/14

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-0.891 \pm 0.112$   $\chi^2/\text{NDF}$ : 550.3/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.099 \pm 0.097$   $\chi^2/\text{NDF}$ : 964.9/7

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

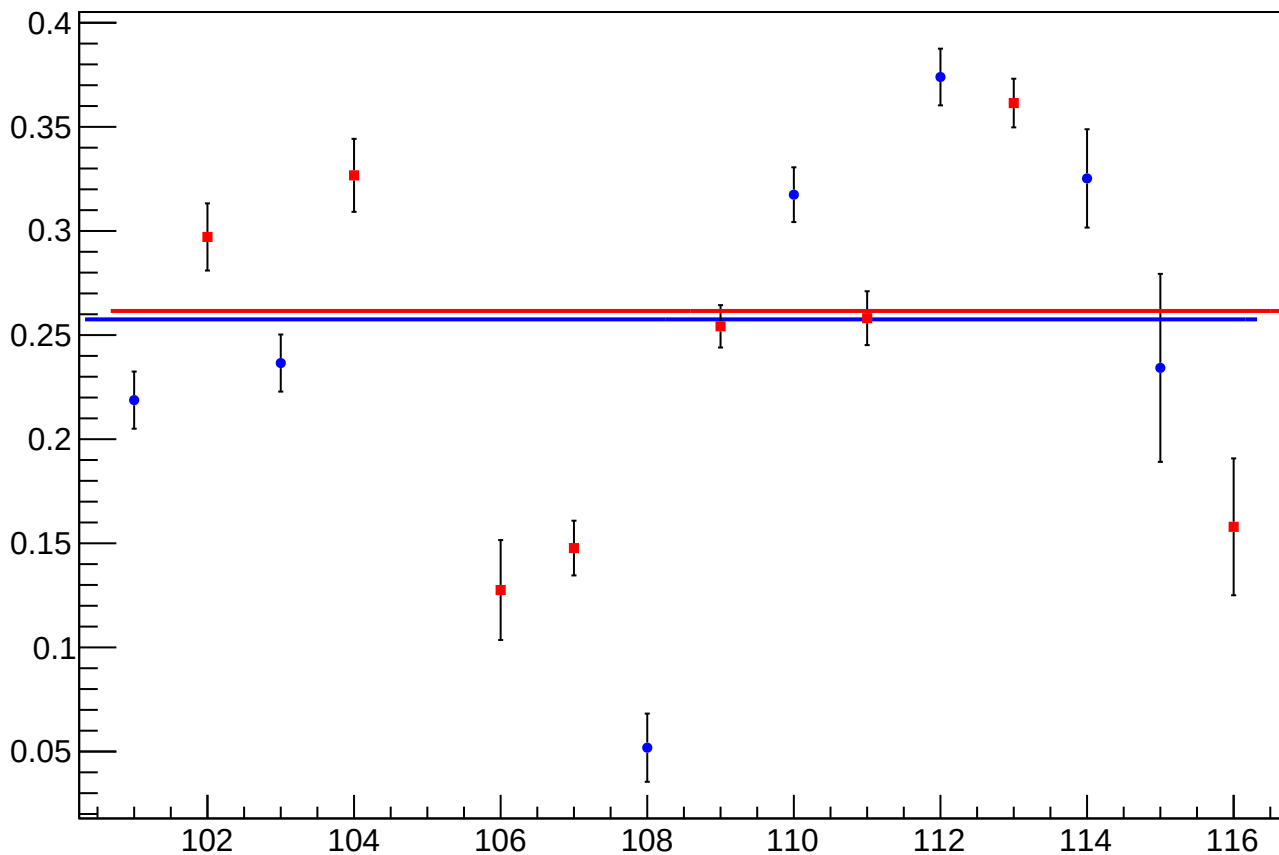
Right:  $-1.010 \pm 0.073$   $\chi^2/\text{NDF}$ : 1517.2/14

In:  $-0.891 \pm 0.112$   $\chi^2/\text{NDF}$ : 550.3/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.010 \pm 0.073$   $\chi^2/\text{NDF}$ : 1517.2/14

reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.258 $\pm$ 0.006  $\chi^2$ /NDF: 270.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.262 $\pm$ 0.005  $\chi^2$ /NDF: 208.5/7

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

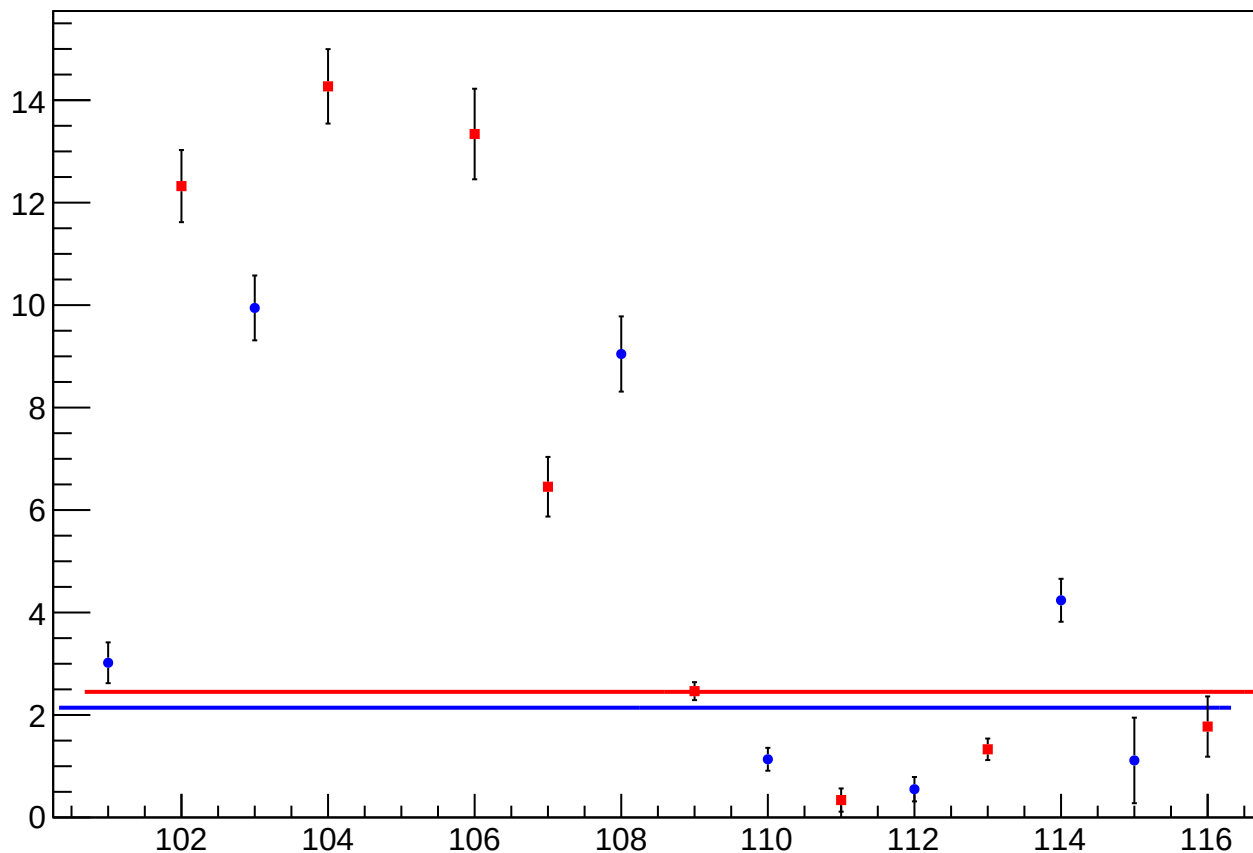
Right: 0.260 $\pm$ 0.004  $\chi^2$ /NDF: 479.3/14

In: 0.258 $\pm$ 0.006  $\chi^2$ /NDF:270.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.260 $\pm$ 0.004  $\chi^2$ /NDF: 479.3/14

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.142 $\pm$ 0.134  $\chi^2$ /NDF: 336.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.452 $\pm$ 0.108  $\chi^2$ /NDF: 777.3/7

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

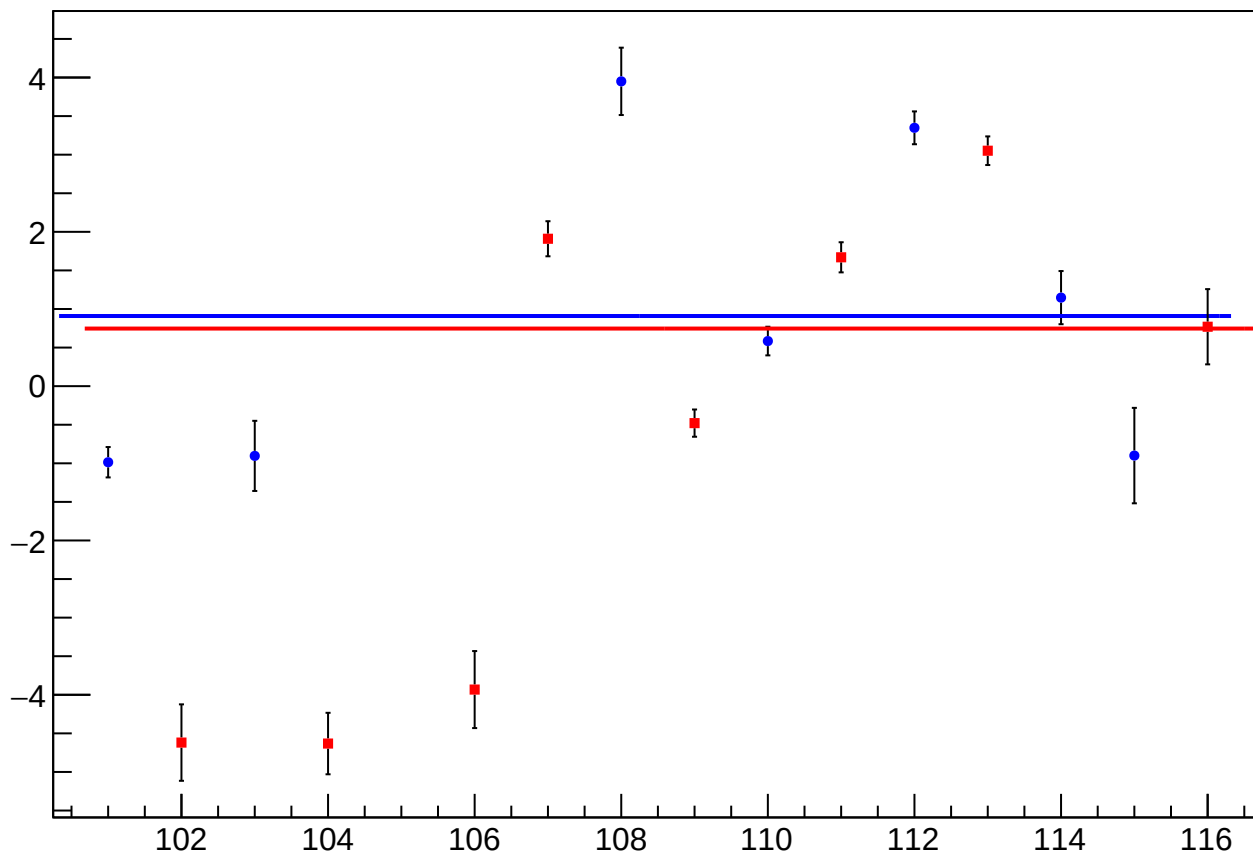
Right: 2.330 $\pm$ 0.084  $\chi^2$ /NDF: 1117.4/14

In: 2.142 $\pm$ 0.134  $\chi^2$ /NDF:336.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.330 $\pm$ 0.084  $\chi^2$ /NDF: 1117.4/14

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.909 $\pm$ 0.101  $\chi^2$ /NDF: 300.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.746 $\pm$ 0.089  $\chi^2$ /NDF: 638.7/7

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

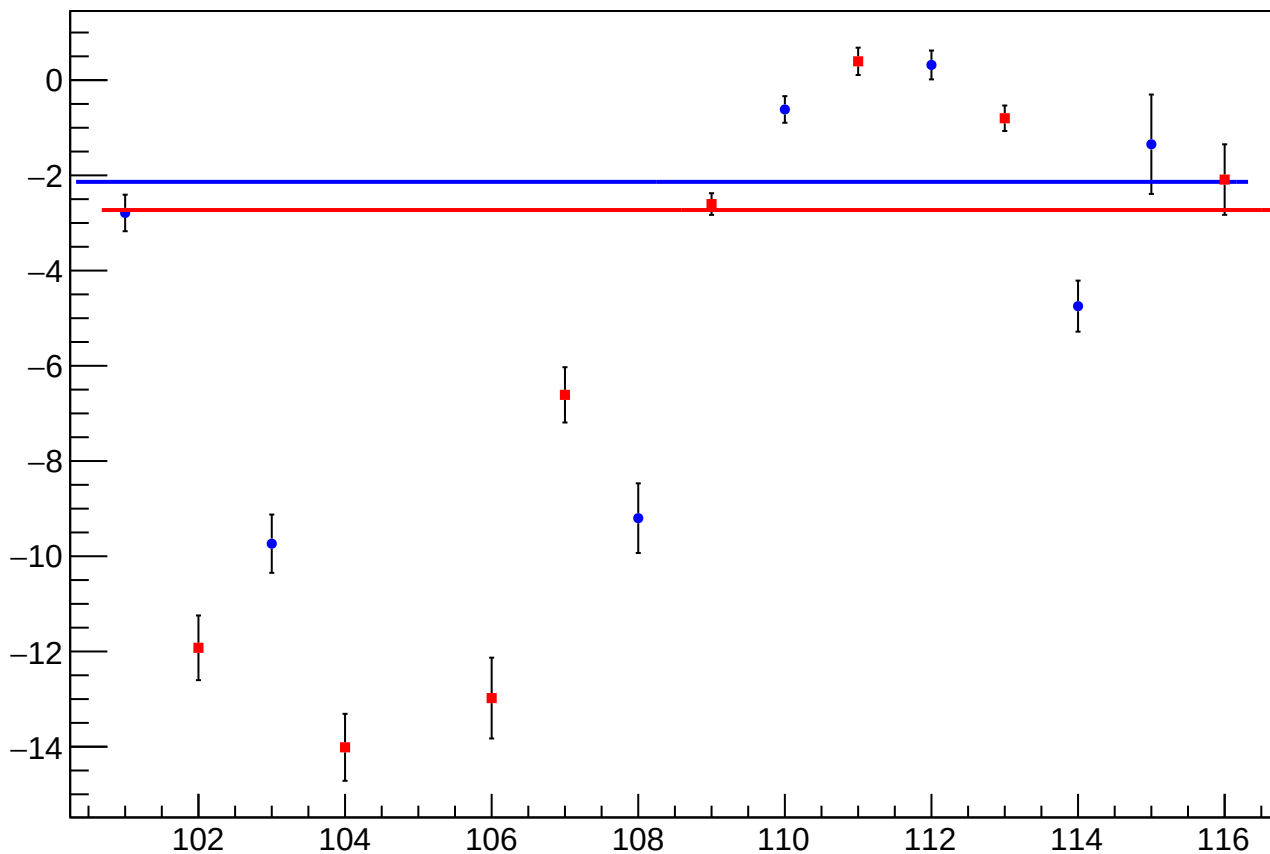
Right: 0.818 $\pm$ 0.067  $\chi^2$ /NDF: 940.7/14

In: 0.909 $\pm$ 0.101  $\chi^2$ /NDF:300.5/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.818 $\pm$ 0.067  $\chi^2$ /NDF: 940.7/14

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.136+/-0.159  $\chi^2$ /NDF: 369.9/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.728+/-0.134  $\chi^2$ /NDF: 802.6/7

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

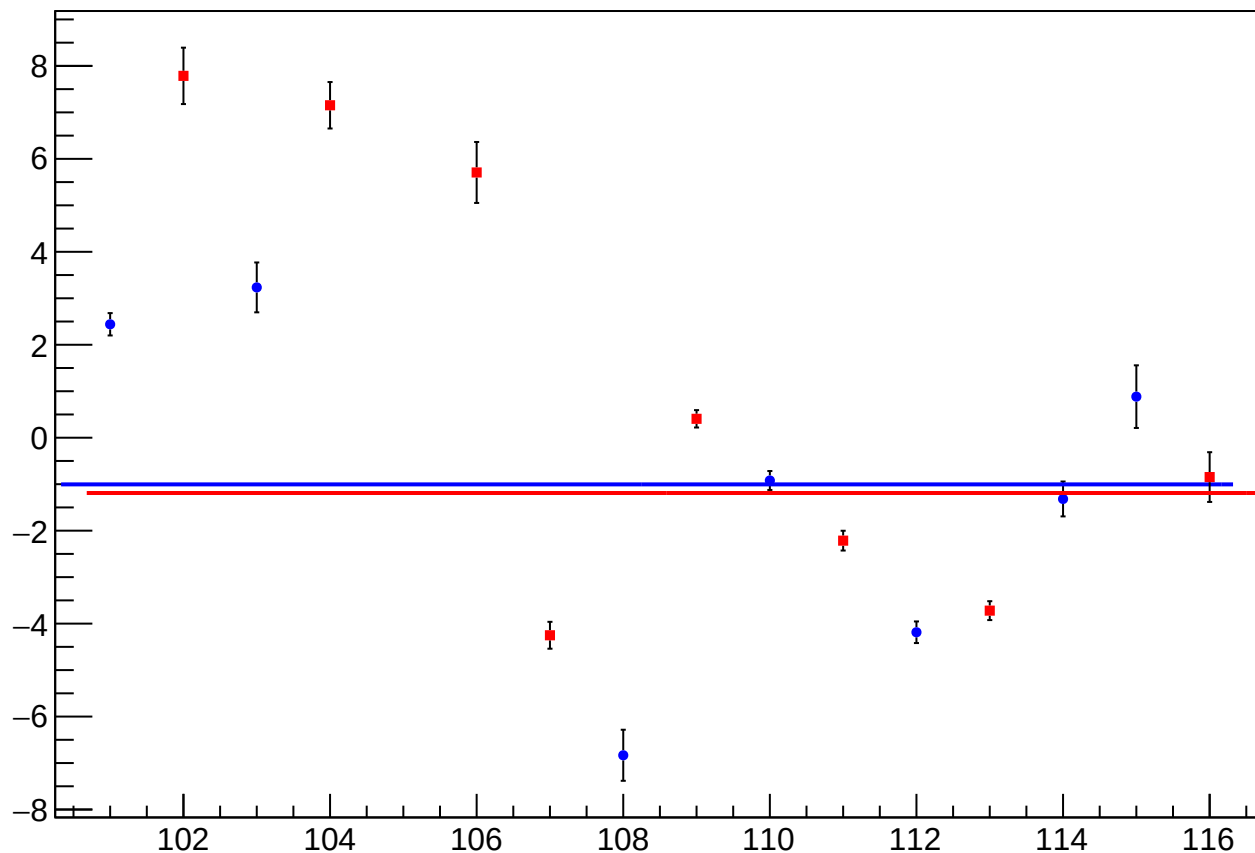
Right: -2.483+/-0.102  $\chi^2$ /NDF: 1180.5/14

In: -2.136+/-0.159  $\chi^2$ /NDF:369.9/6

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.483+/-0.102  $\chi^2$ /NDF: 1180.5/14

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-1.004 \pm 0.115$   $\chi^2/\text{NDF}$ : 576.0/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.190 \pm 0.100$   $\chi^2/\text{NDF}$ : 971.6/7

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

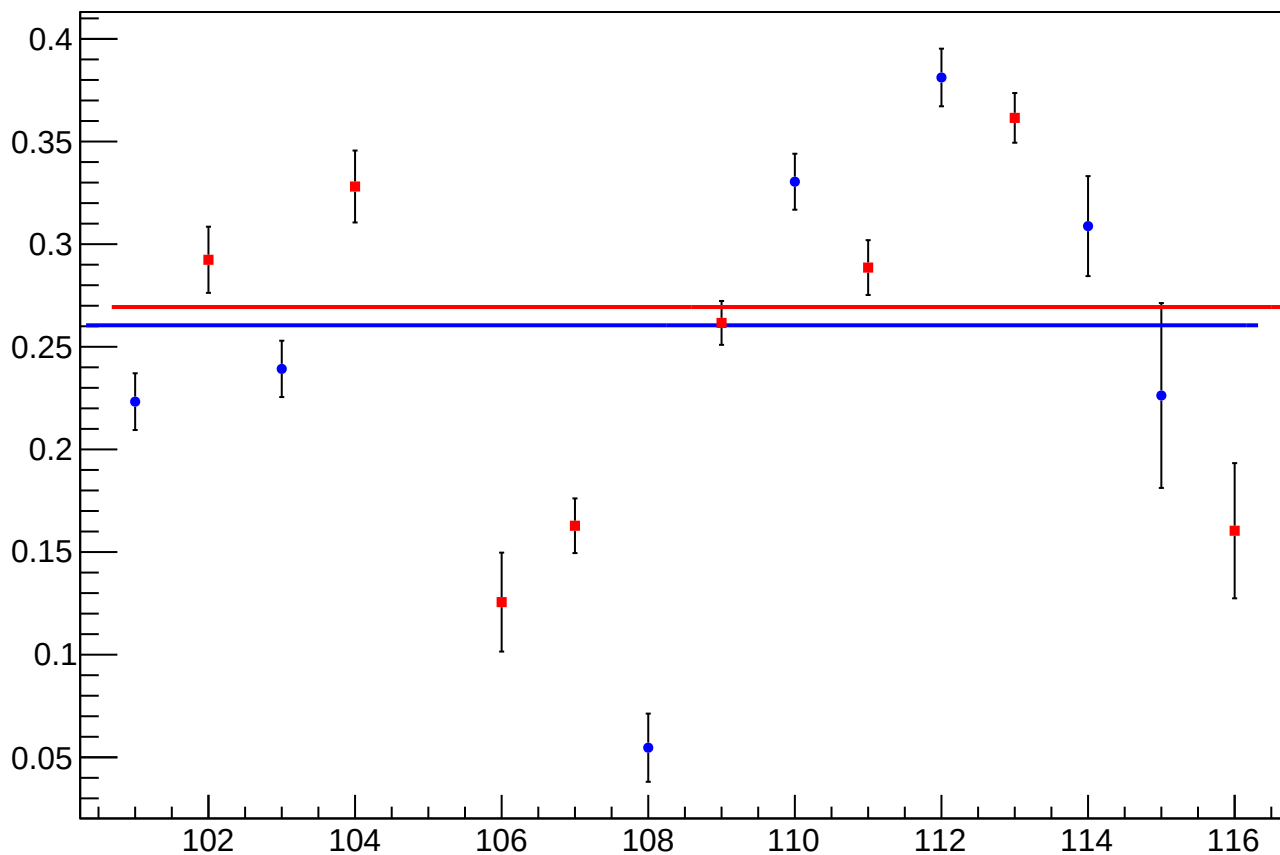
Right:  $-1.109 \pm 0.076$   $\chi^2/\text{NDF}$ : 1549.1/14

In:  $-1.004 \pm 0.115$   $\chi^2/\text{NDF}$ : 576.0/6

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.109 \pm 0.076$   $\chi^2/\text{NDF}$ : 1549.1/14

reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.260 $\pm$ 0.006  $\chi^2$ /NDF: 267.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.269 $\pm$ 0.005  $\chi^2$ /NDF: 184.4/7

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: 0.266 $\pm$ 0.004  $\chi^2$ /NDF: 453.5/14

In: 0.260 $\pm$ 0.006  $\chi^2$ /NDF:267.9/6

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.266 $\pm$ 0.004  $\chi^2$ /NDF: 453.5/14