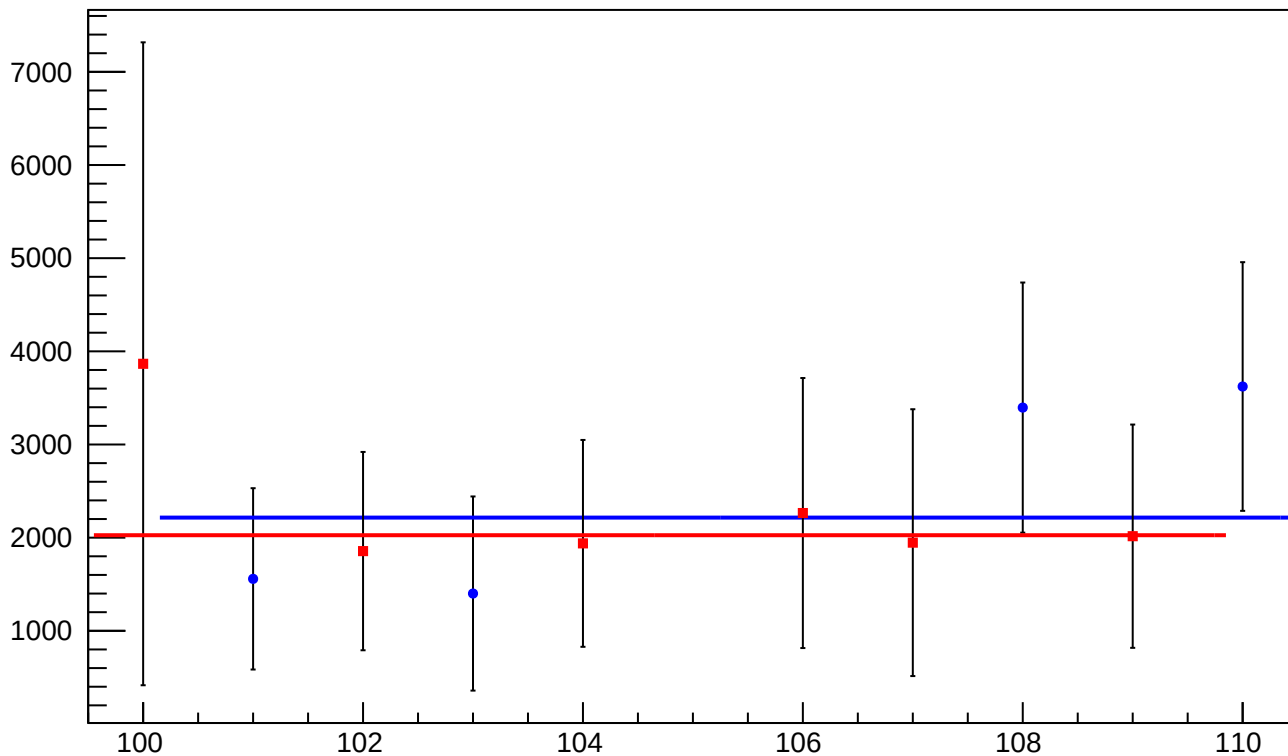


# dit\_asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 2215.391+/-568.558  $\chi^2/\text{NDF}$ : 3.0/3

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

Right Out: 2026.259+/-539.326  $\chi^2/\text{NDF}$ : 0.3/5

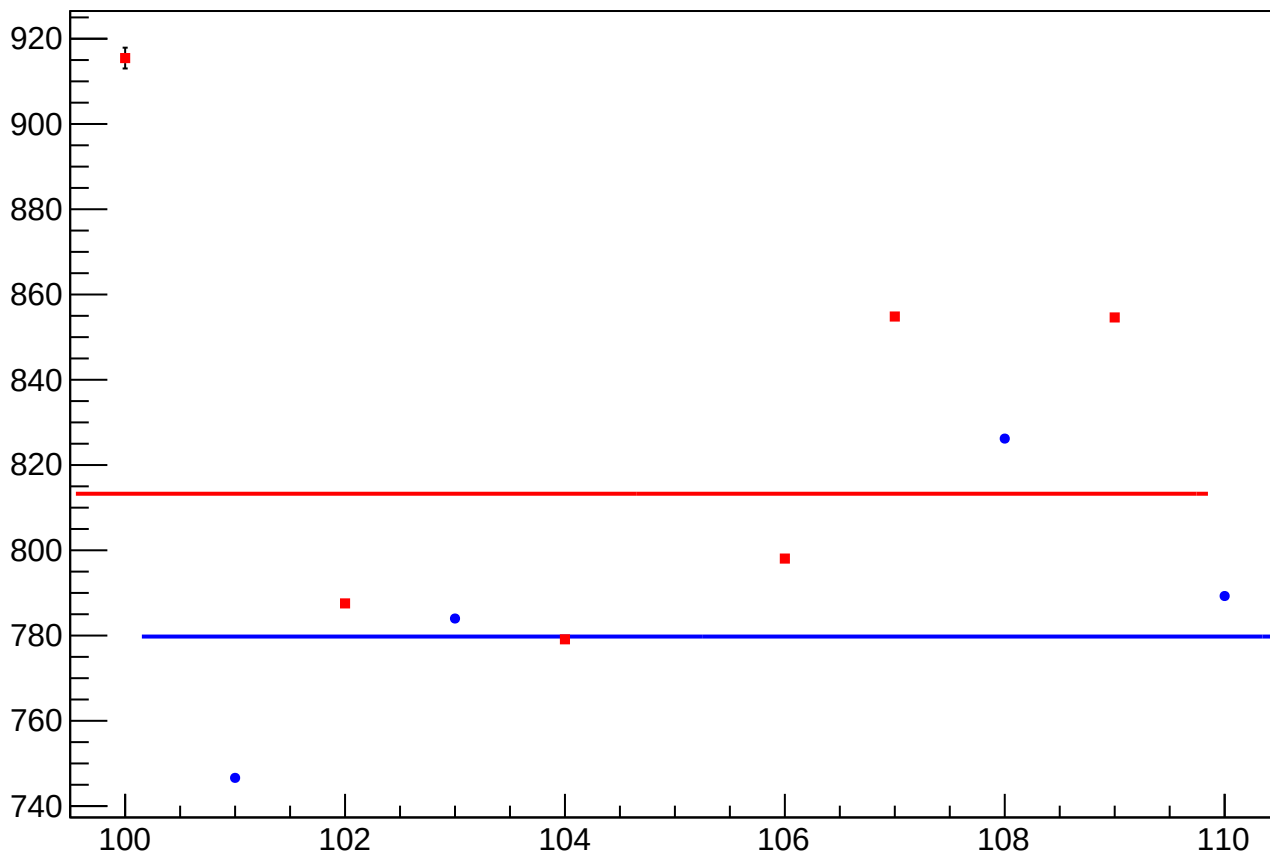
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2215.391+/-568.558  $\chi^2/\text{NDF}$ : 3.0/3

2115.838+/-391.287  $\chi^2/\text{NDF}$ : 3.4/9

2026.259+/-539.326  $\chi^2/\text{NDF}$ : 0.3/5

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



Right In: 779.767 $\pm$ 0.402  $\chi^2$ /NDF: 4848.7/3

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

Right Out: 813.266 $\pm$ 0.381  $\chi^2$ /NDF: 9101.4/5

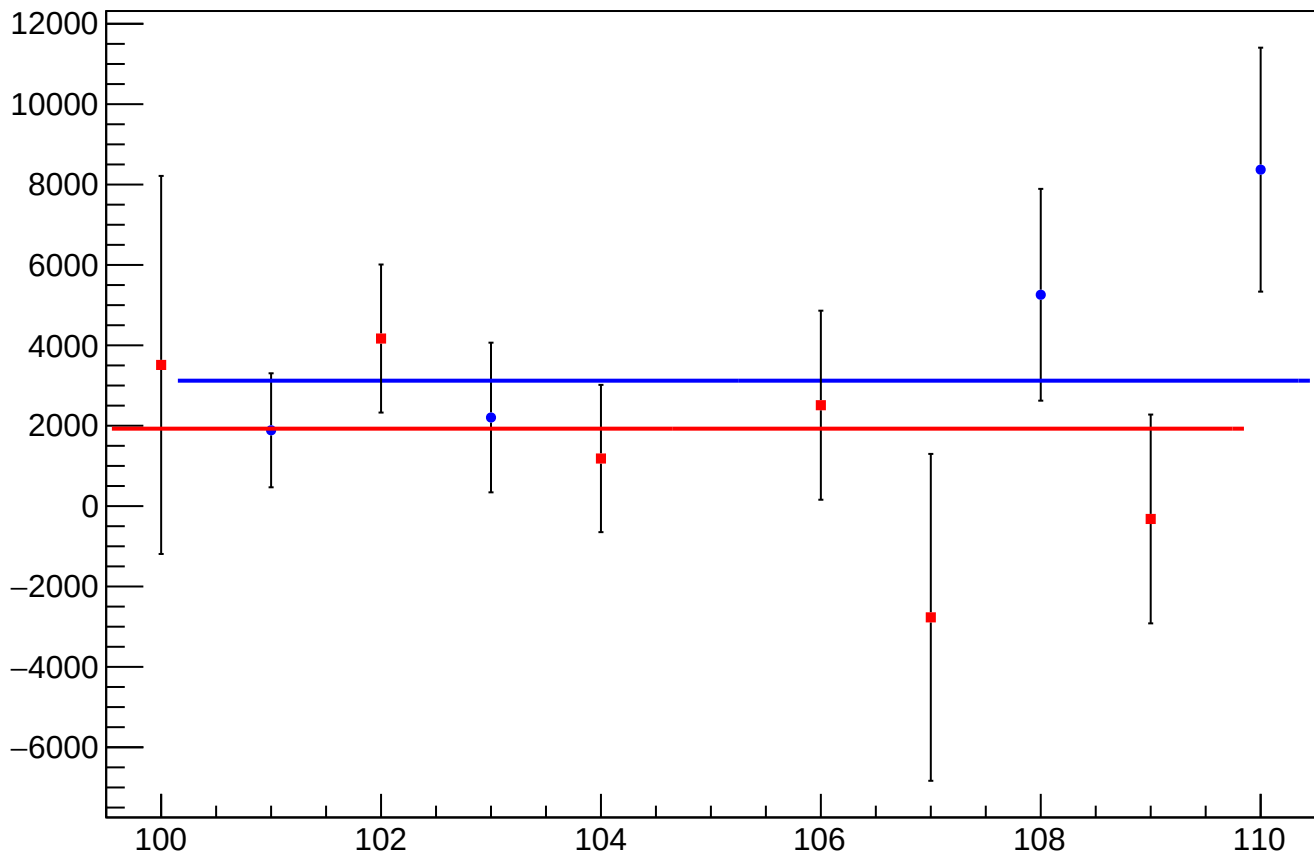
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

779.767 $\pm$ 0.402  $\chi^2$ /NDF: 4848.7/3

797.400 $\pm$ 0.277  $\chi^2$ /NDF: 17604.7/9

813.266 $\pm$ 0.381  $\chi^2$ /NDF: 9101.4/5

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



Right In: 3120.576 $\pm$ 981.415  $\chi^2$ /NDF: 4.7/3

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

Right Out: 1926.834 $\pm$ 986.550  $\chi^2$ /NDF: 3.9/5

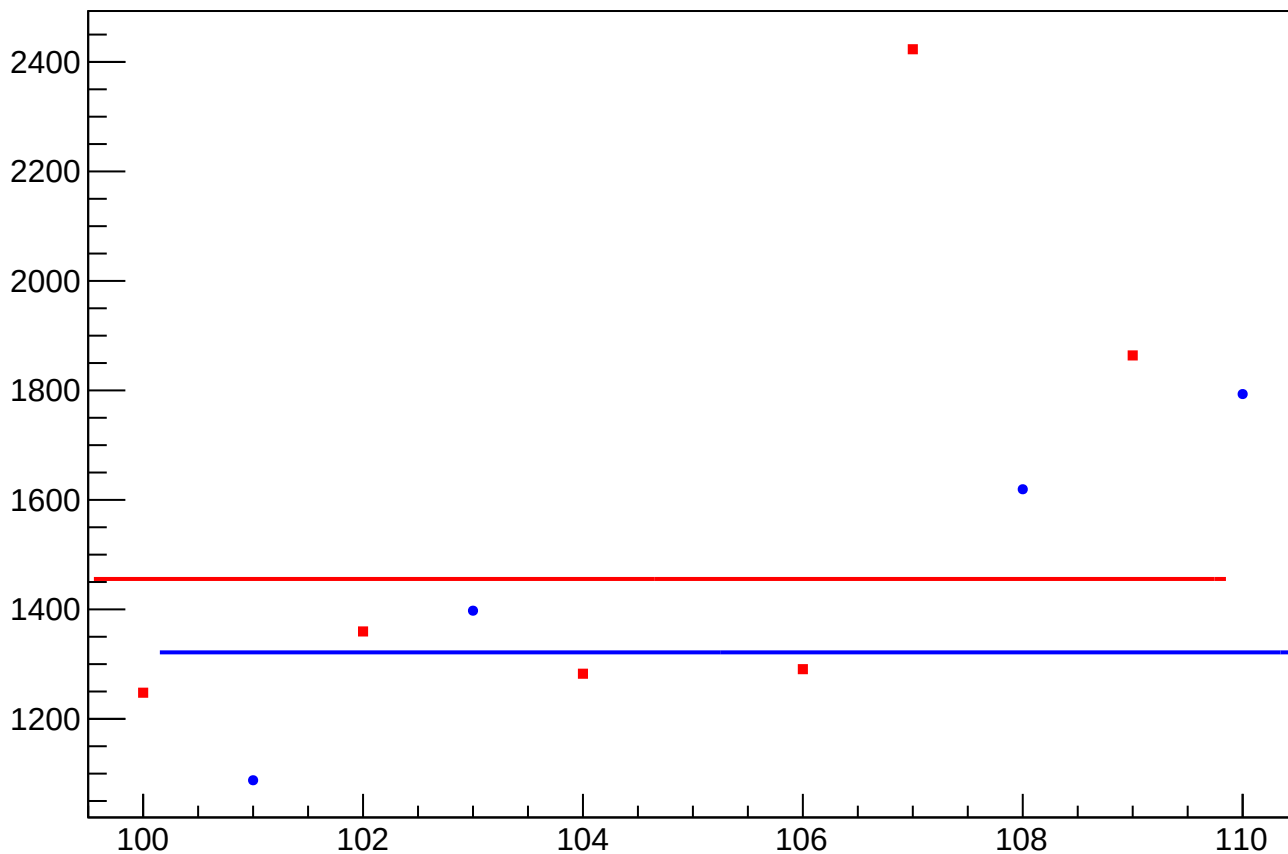
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

3120.576 $\pm$ 981.415  $\chi^2$ /NDF: 4.7/3

2526.820 $\pm$ 695.773  $\chi^2$ /NDF: 9.3/9

1926.834 $\pm$ 986.550  $\chi^2$ /NDF: 3.9/5

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



Right In: 1321.482 $\pm$ 0.694  $\chi^2$ /NDF: 131522.3/3

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

Right Out: 1455.577 $\pm$ 0.698  $\chi^2$ /NDF: 199661.6/5

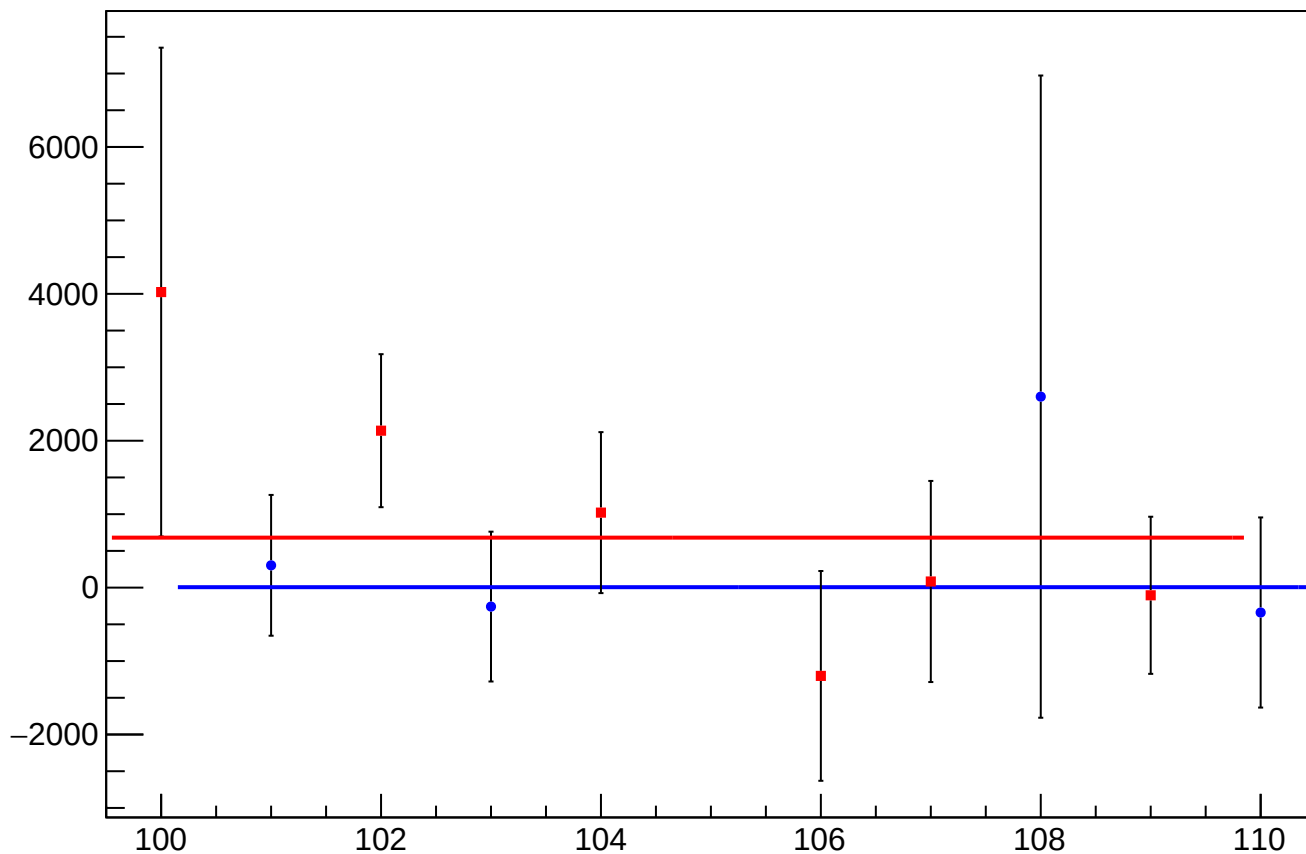
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1321.482 $\pm$ 0.694  $\chi^2$ /NDF: 131522.3/3

1388.180 $\pm$ 0.492  $\chi^2$ /NDF: 349755.5/9

1455.577 $\pm$ 0.698  $\chi^2$ /NDF: 199661.6/5

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



Right In: 5.917+/-608.727  $\chi^2/\text{NDF}$ : 0.6/3

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

Right Out: 680.526+/-516.961  $\chi^2/\text{NDF}$ : 5.5/5

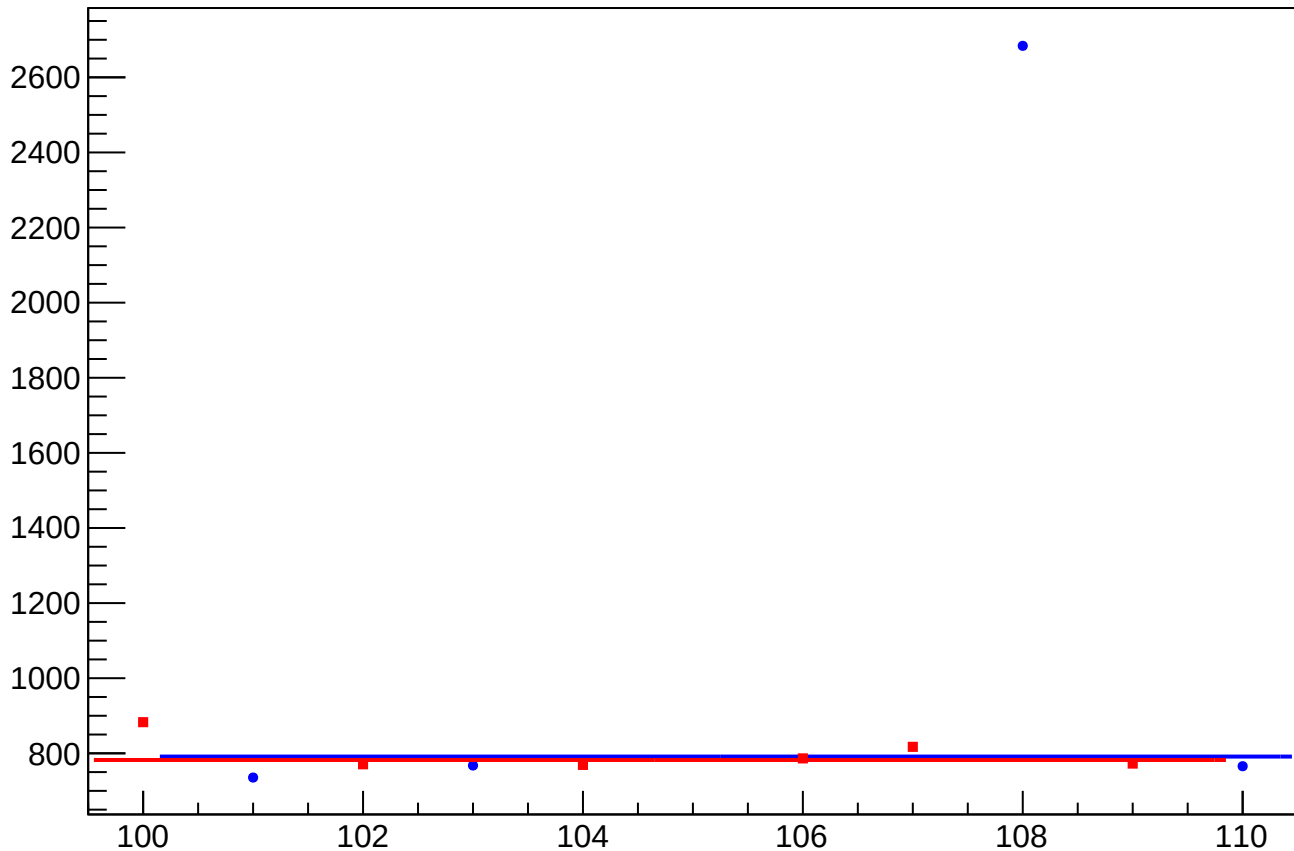
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.917+/-608.727  $\chi^2/\text{NDF}$ : 0.6/3

397.853+/-394.039  $\chi^2/\text{NDF}$ : 6.8/9

680.526+/-516.961  $\chi^2/\text{NDF}$ : 5.5/5

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



Right In: 791.346+/-0.430  $\chi^2/\text{NDF}$ : 383379.5/3

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

Right Out: 782.257+/-0.366  $\chi^2/\text{NDF}$ : 3843.0/5

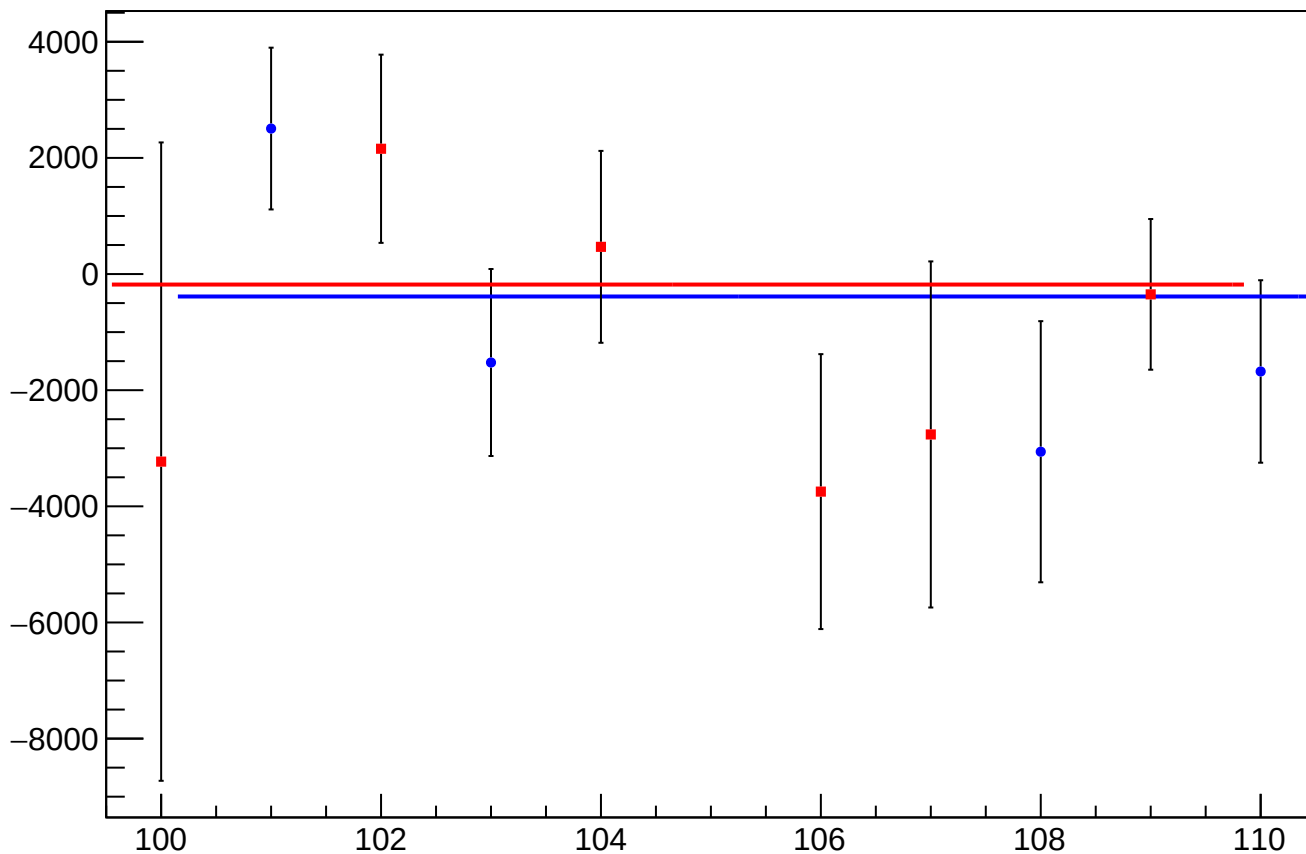
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

791.346+/-0.430  $\chi^2/\text{NDF}$ : 383379.5/3

786.066+/-0.279  $\chi^2/\text{NDF}$ : 387481.5/9

782.257+/-0.366  $\chi^2/\text{NDF}$ : 3843.0/5

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



Right In: -386.503+/-815.403  $\chi^2/\text{NDF}$ : 6.9/3

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

Right Out: -180.849+/-774.937  $\chi^2/\text{NDF}$ : 5.6/5

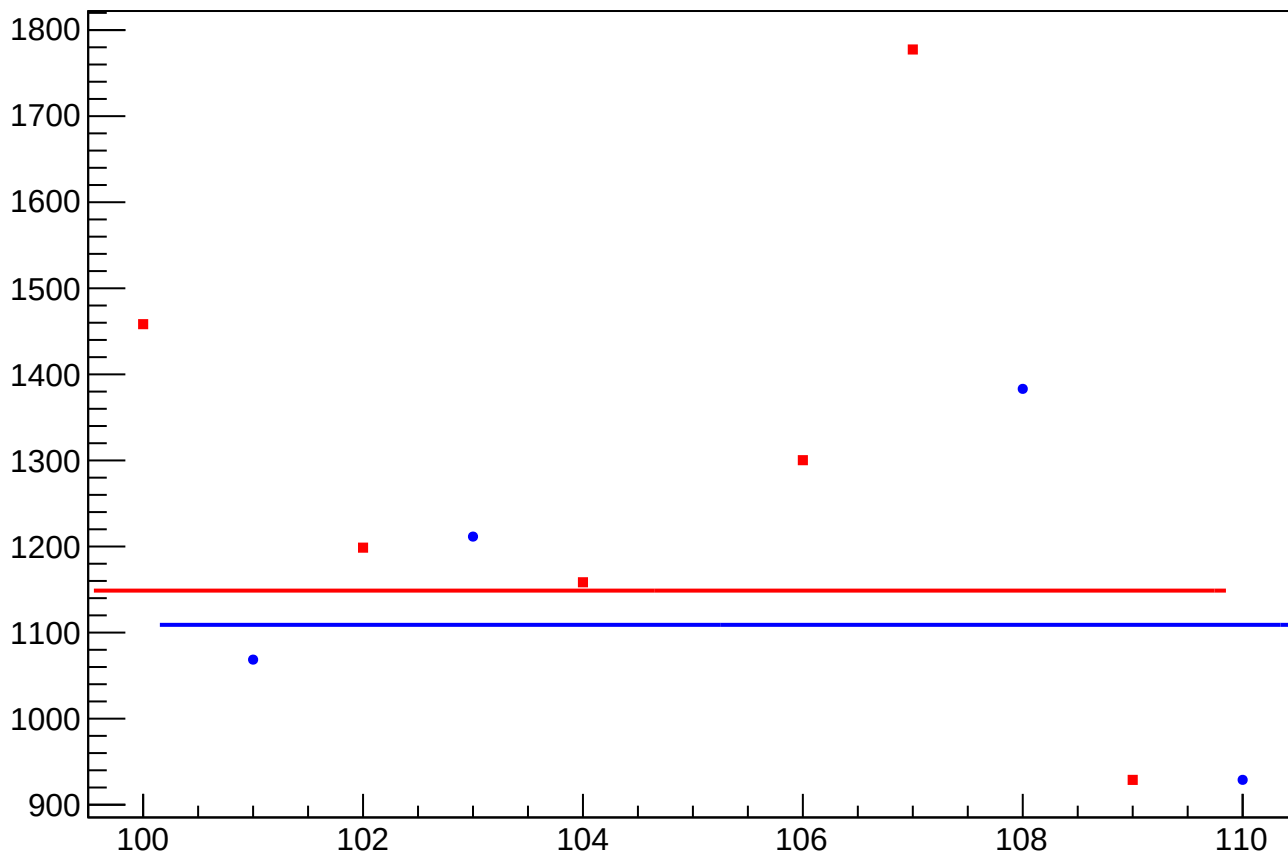
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-386.503+/-815.403  $\chi^2/\text{NDF}$ : 6.9/3

-278.447+/-561.724  $\chi^2/\text{NDF}$ : 12.5/9

-180.849+/-774.937  $\chi^2/\text{NDF}$ : 5.6/5

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



Right In: 1108.995 $\pm$ 0.577  $\chi^2$ /NDF: 65807.4/3

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

Right Out: 1148.775 $\pm$ 0.548  $\chi^2$ /NDF: 162973.4/5

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

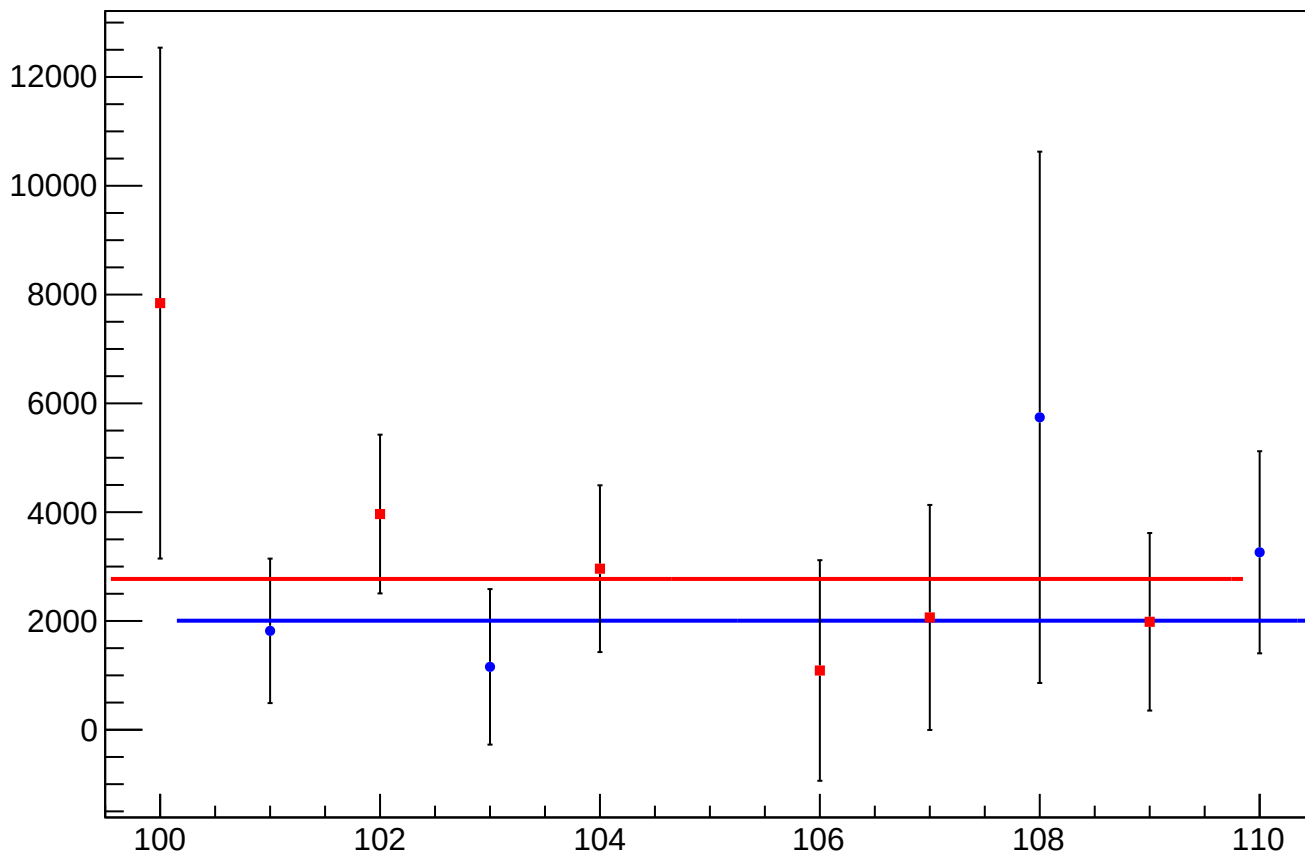
1108.995 $\pm$ 0.577  $\chi^2$ /NDF: 65807.4/3

1129.897 $\pm$ 0.397  $\chi^2$ /NDF: 231281.8/9

1148.775 $\pm$ 0.548  $\chi^2$ /NDF: 162973.4/5



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



Right In: 2004.980+/-848.799  $\chi^2/\text{NDF}$ : 1.4/3

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

Right Out: 2772.531+/-746.838  $\chi^2/\text{NDF}$ : 2.9/5

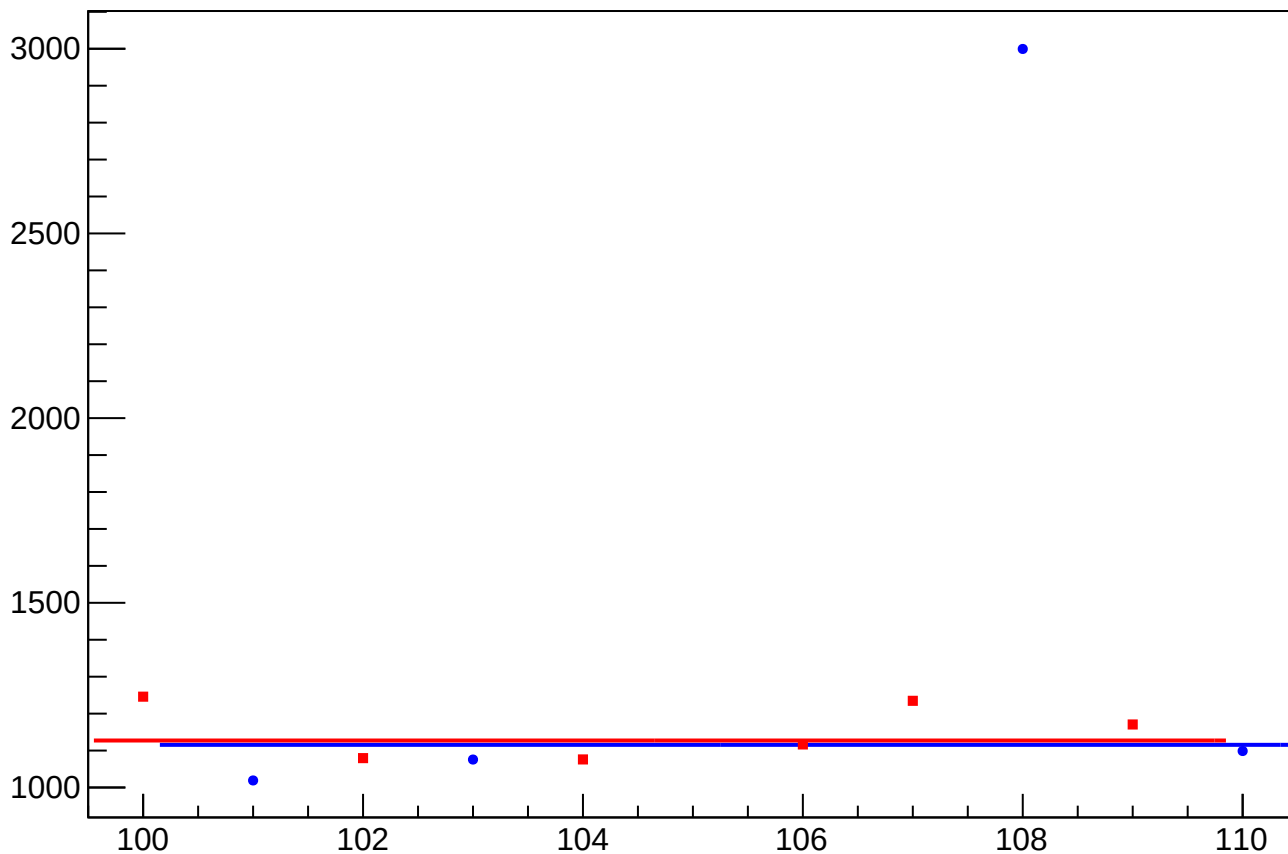
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2004.980+/-848.799  $\chi^2/\text{NDF}$ : 1.4/3

2437.602+/-560.696  $\chi^2/\text{NDF}$ : 4.8/9

2772.531+/-746.838  $\chi^2/\text{NDF}$ : 2.9/5

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



Right In: 1115.497 $\pm$ 0.600  $\chi^2$ /NDF: 309921.2/3

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

Right Out: 1127.222 $\pm$ 0.528  $\chi^2$ /NDF: 12513.8/5

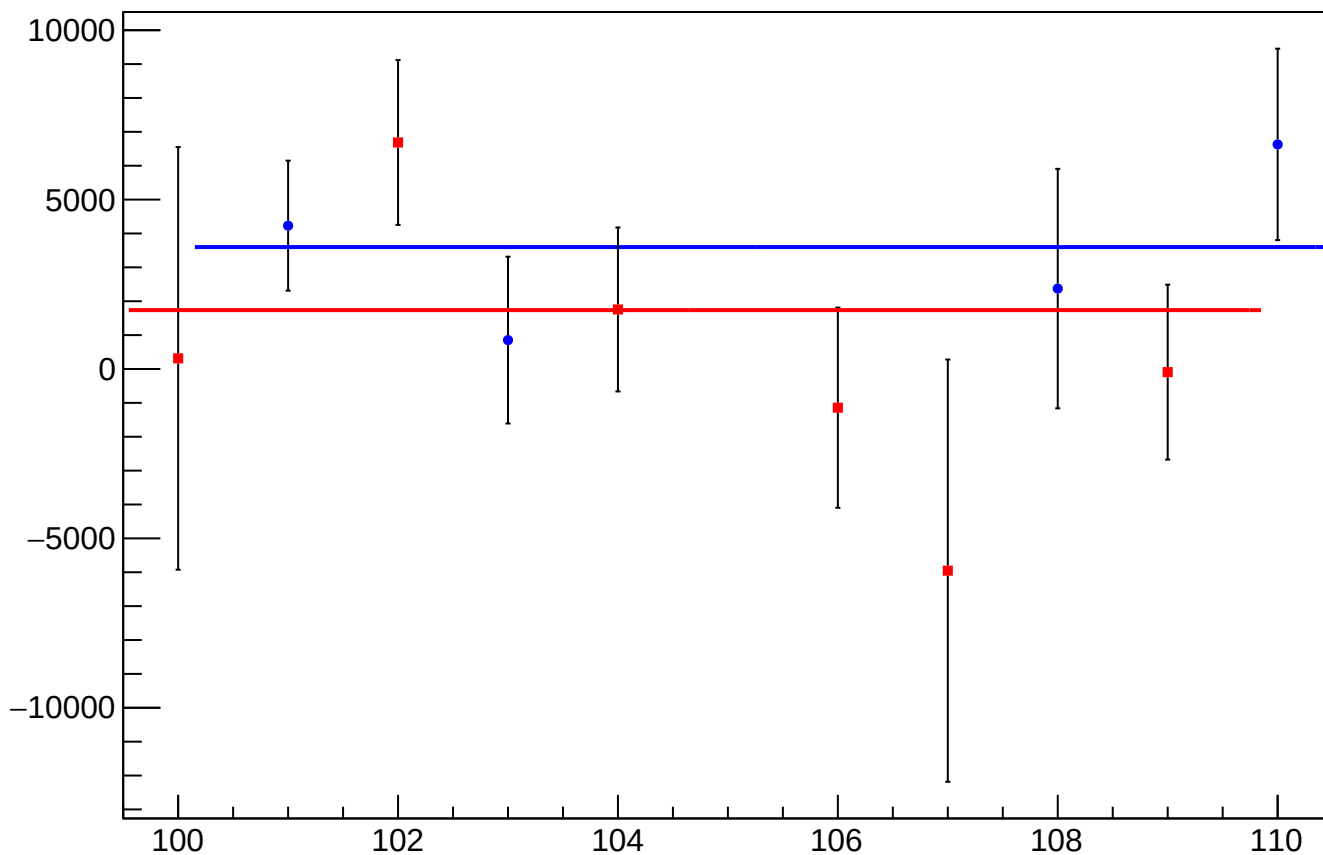
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1115.497 $\pm$ 0.600  $\chi^2$ /NDF: 309921.2/3

1122.106 $\pm$ 0.396  $\chi^2$ /NDF: 322650.0/9

1127.222 $\pm$ 0.528  $\chi^2$ /NDF: 12513.8/5

# asym\_usl\_mean vs Slug, Sign Corrected



Right In: 3598.228 $\pm$ 1248.201  $\chi^2$ /NDF: 2.6/3

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

Right Out: 1737.434 $\pm$ 1234.957  $\chi^2$ /NDF: 7.2/5

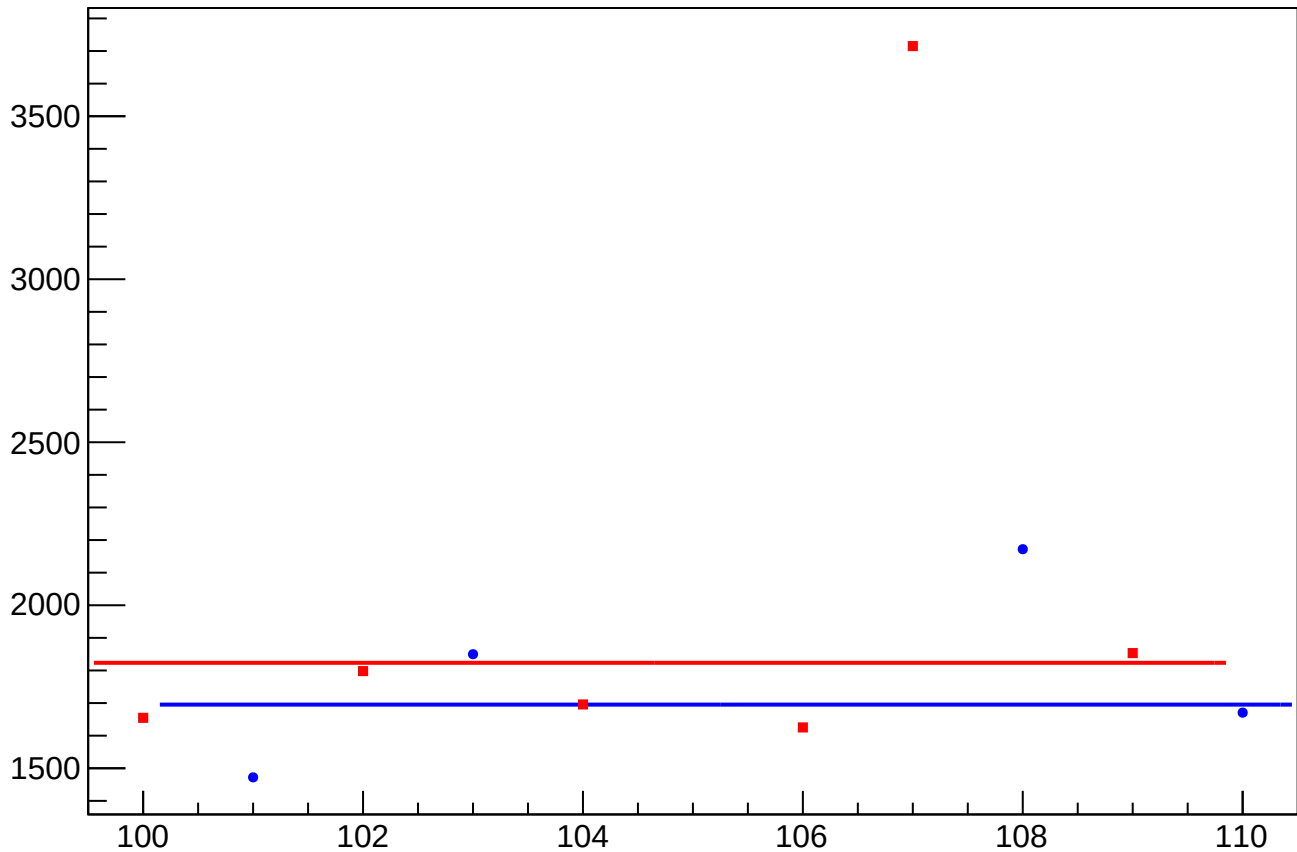
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

3598.228 $\pm$ 1248.201  $\chi^2$ /NDF: 2.6/3

2657.907 $\pm$ 877.891  $\chi^2$ /NDF: 10.9/9

1737.434 $\pm$ 1234.957  $\chi^2$ /NDF: 7.2/5

# asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1695.248 $\pm$ 0.883  $\chi^2$ /NDF: 71459.8/3

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

Right Out: 1823.517 $\pm$ 0.873  $\chi^2$ /NDF: 200766.8/5

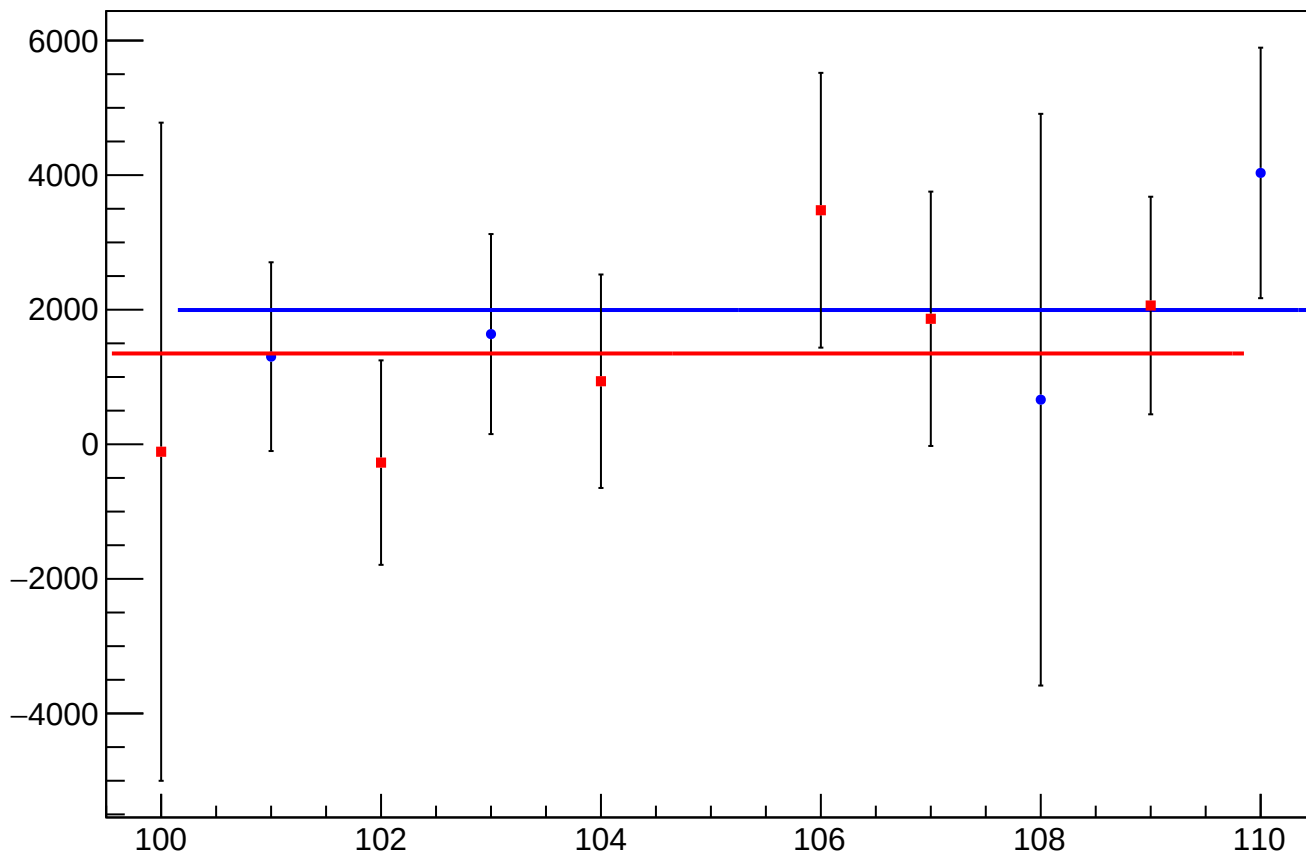
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1695.248 $\pm$ 0.883  $\chi^2$ /NDF: 71459.8/3

1760.067 $\pm$ 0.621  $\chi^2$ /NDF: 282899.5/9

1823.517 $\pm$ 0.873  $\chi^2$ /NDF: 200766.8/5

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



Right In: 1995.459 $\pm$ 875.363  $\chi^2$ /NDF: 1.6/3

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

Right Out: 1349.525 $\pm$ 750.603  $\chi^2$ /NDF: 2.7/5

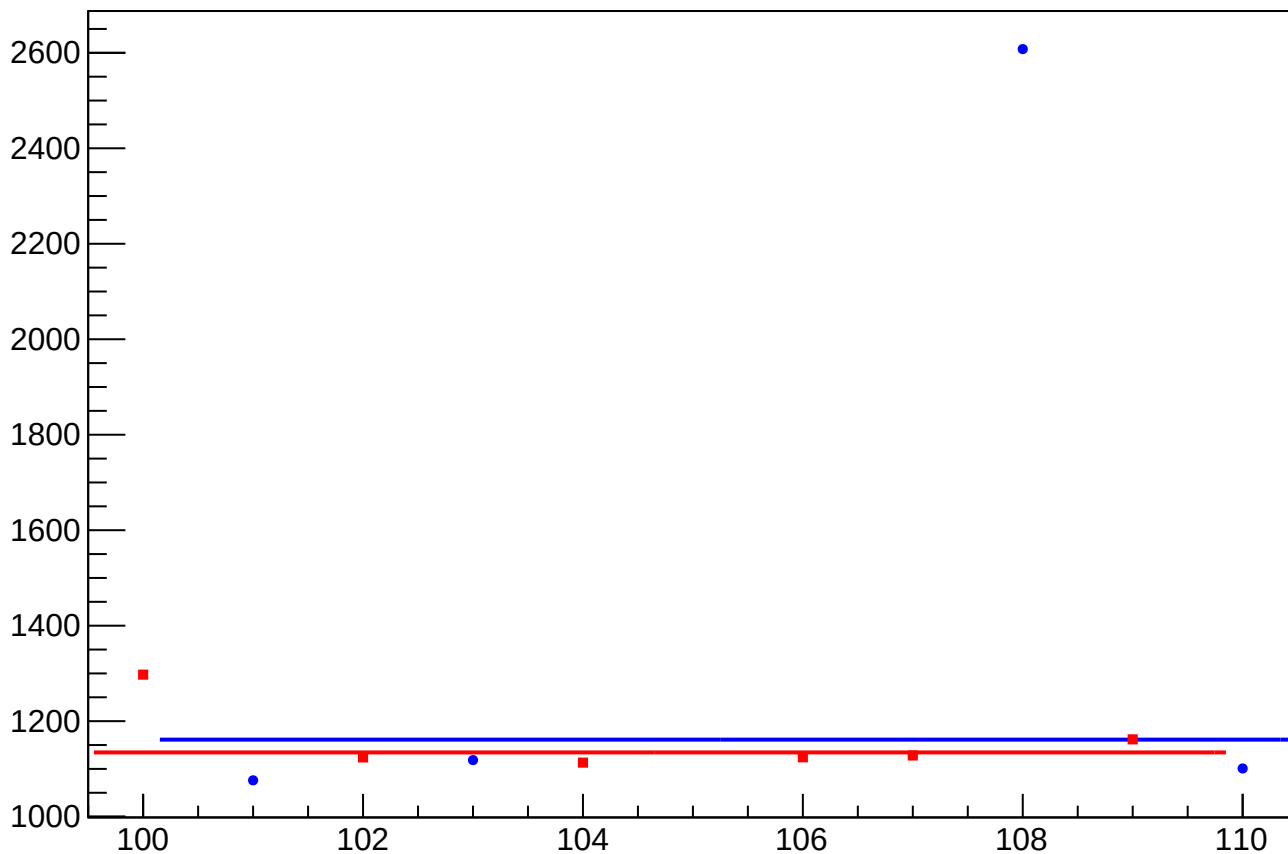
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1995.459 $\pm$ 875.363  $\chi^2$ /NDF: 1.6/3

1623.220 $\pm$ 569.807  $\chi^2$ /NDF: 4.6/9

1349.525 $\pm$ 750.603  $\chi^2$ /NDF: 2.7/5

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



Right In: 1161.306 $\pm$ 0.619  $\chi^2$ /NDF: 243031.5/3

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

Right Out: 1134.528 $\pm$ 0.531  $\chi^2$ /NDF: 3321.2/5

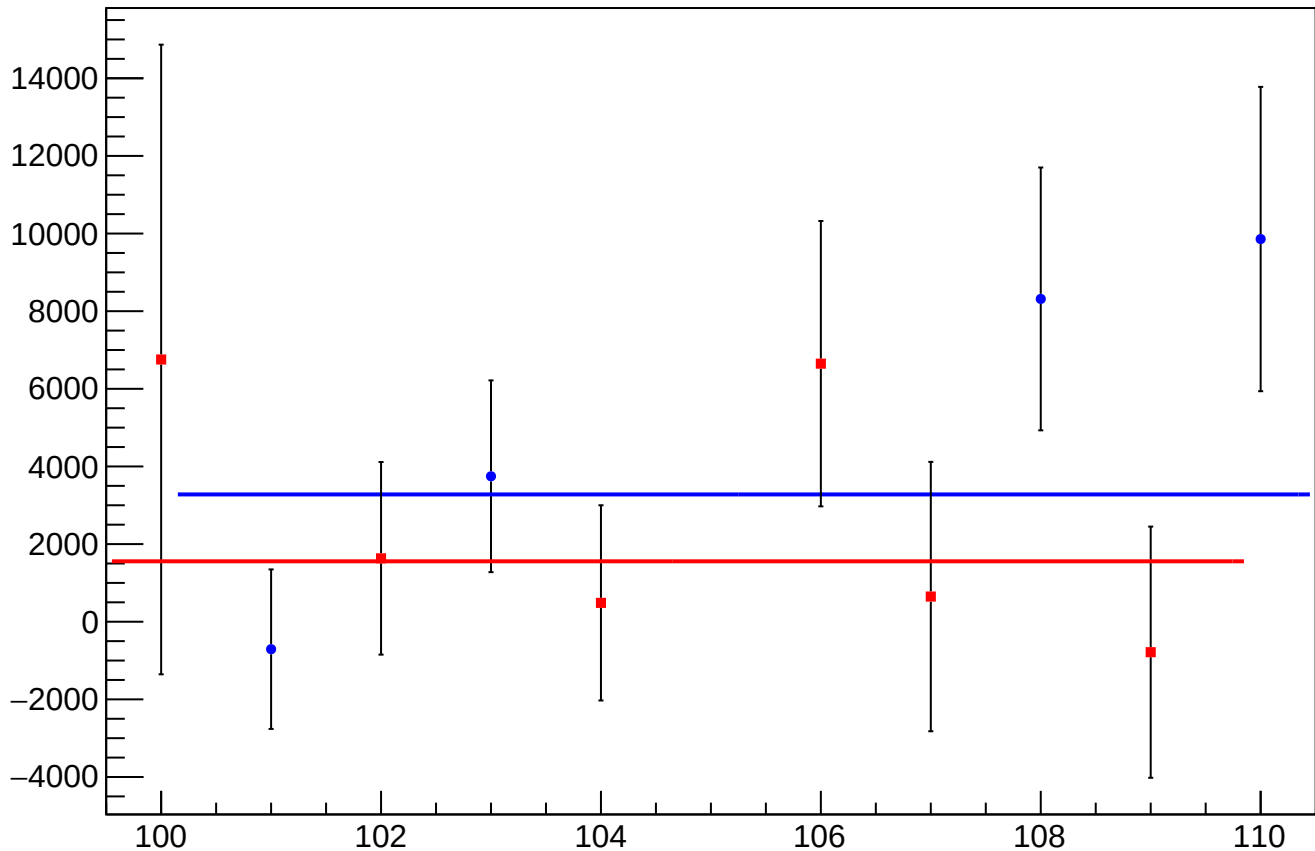
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1161.306 $\pm$ 0.619  $\chi^2$ /NDF: 243031.5/3

1145.874 $\pm$ 0.403  $\chi^2$ /NDF: 247431.4/9

1134.528 $\pm$ 0.531  $\chi^2$ /NDF: 3321.2/5

# asym\_usr\_mean vs Slug, Sign Corrected



Right In: 3279.340+/-1344.632  $\chi^2/\text{NDF}$ : 8.8/3

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

Right Out: 1556.446+/-1303.646  $\chi^2/\text{NDF}$ : 3.1/5

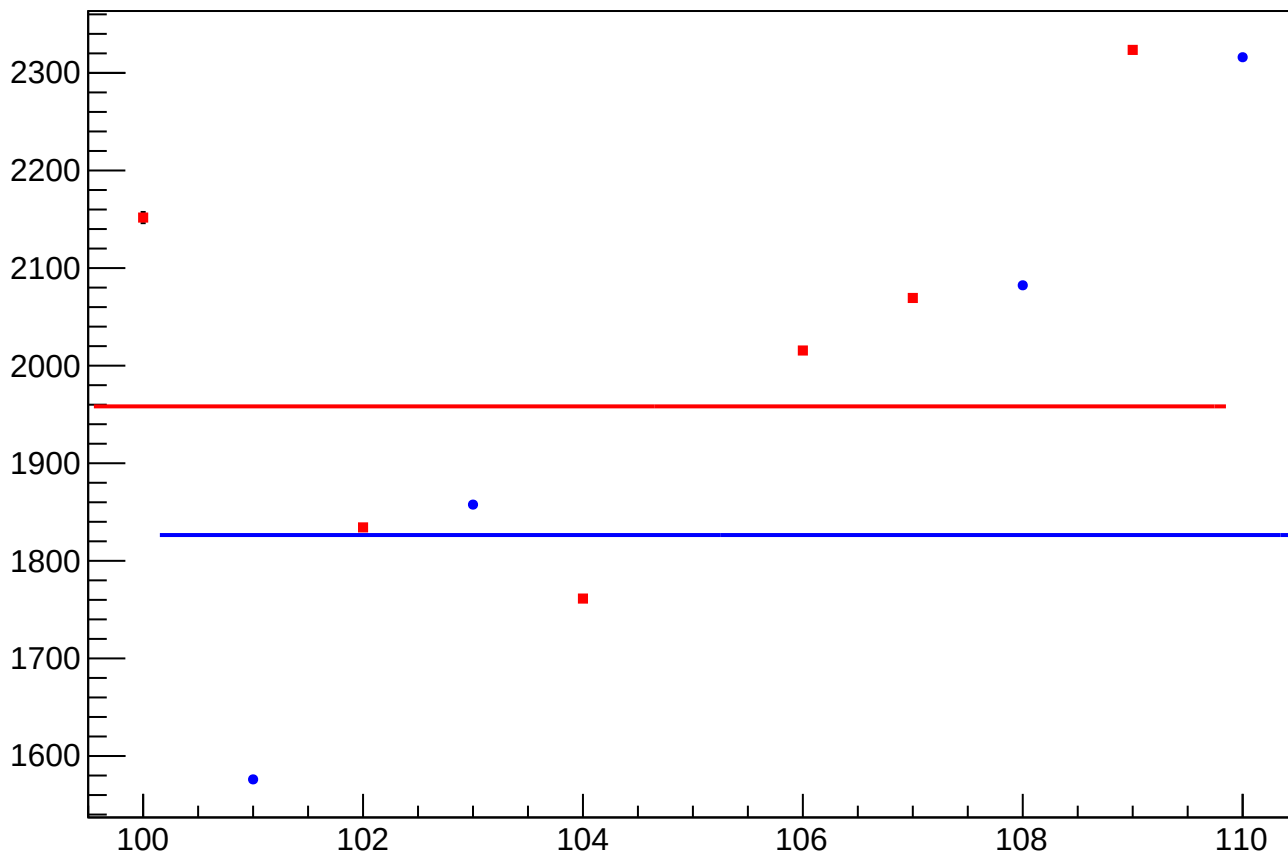
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3279.340+/-1344.632  $\chi^2/\text{NDF}$ : 8.8/3

2391.235+/-935.971  $\chi^2/\text{NDF}$ : 12.8/9

1556.446+/-1303.646  $\chi^2/\text{NDF}$ : 3.1/5

# asym\_usr\_rms vs Slug, Sign Corrected



Right In: 1826.435+/-0.951  $\chi^2/\text{NDF}$ : 72644.2/3

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

Right Out: 1958.278+/-0.922  $\chi^2/\text{NDF}$ : 46428.0/5

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

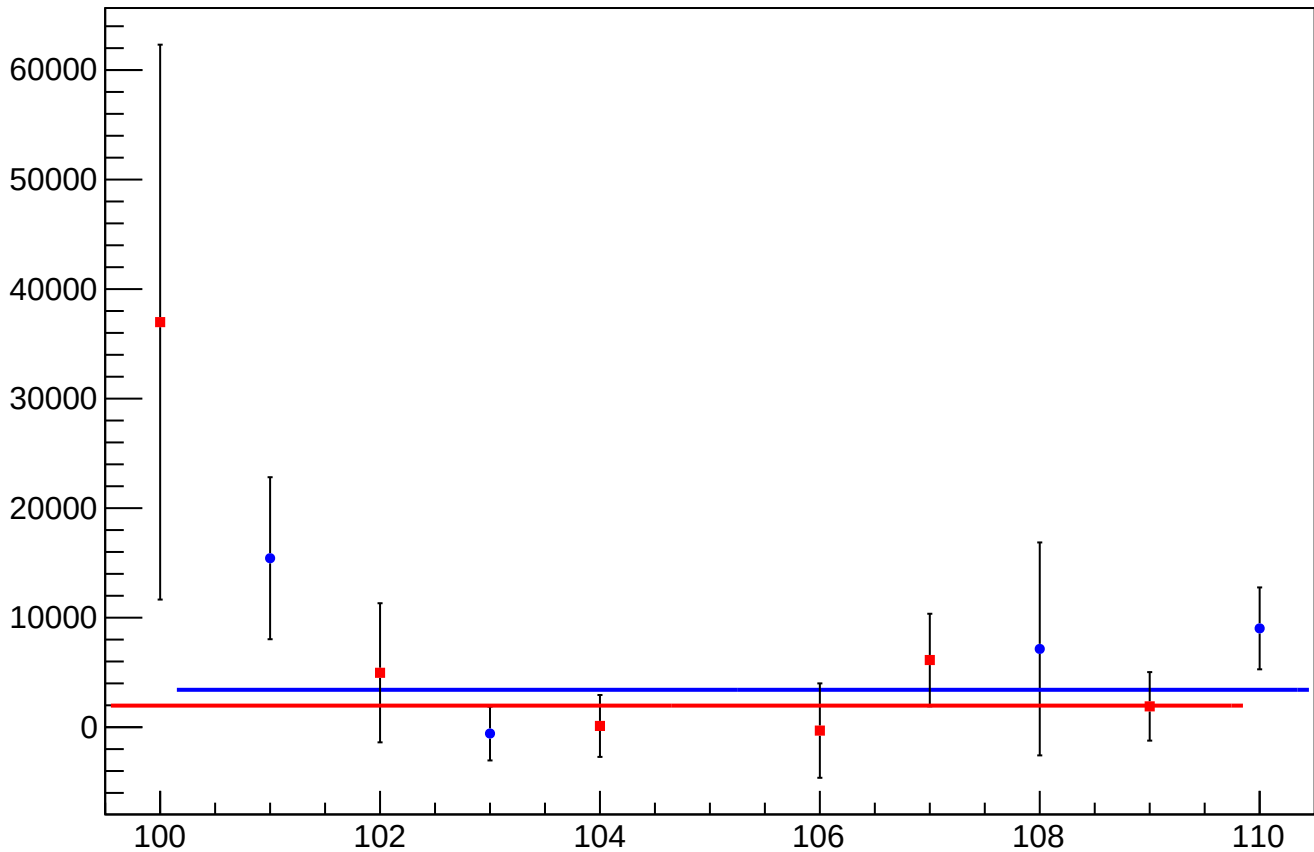
1826.435+/-0.951  $\chi^2/\text{NDF}$ : 72644.2/3

1894.397+/-0.662  $\chi^2/\text{NDF}$ : 128983.9/9

1958.278+/-0.922  $\chi^2/\text{NDF}$ : 46428.0/5



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



Right In: 3414.462+/-1939.488  $\chi^2/\text{NDF}$ : 7.7/3

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

Right Out: 1971.261+/-1658.395  $\chi^2/\text{NDF}$ : 3.8/5

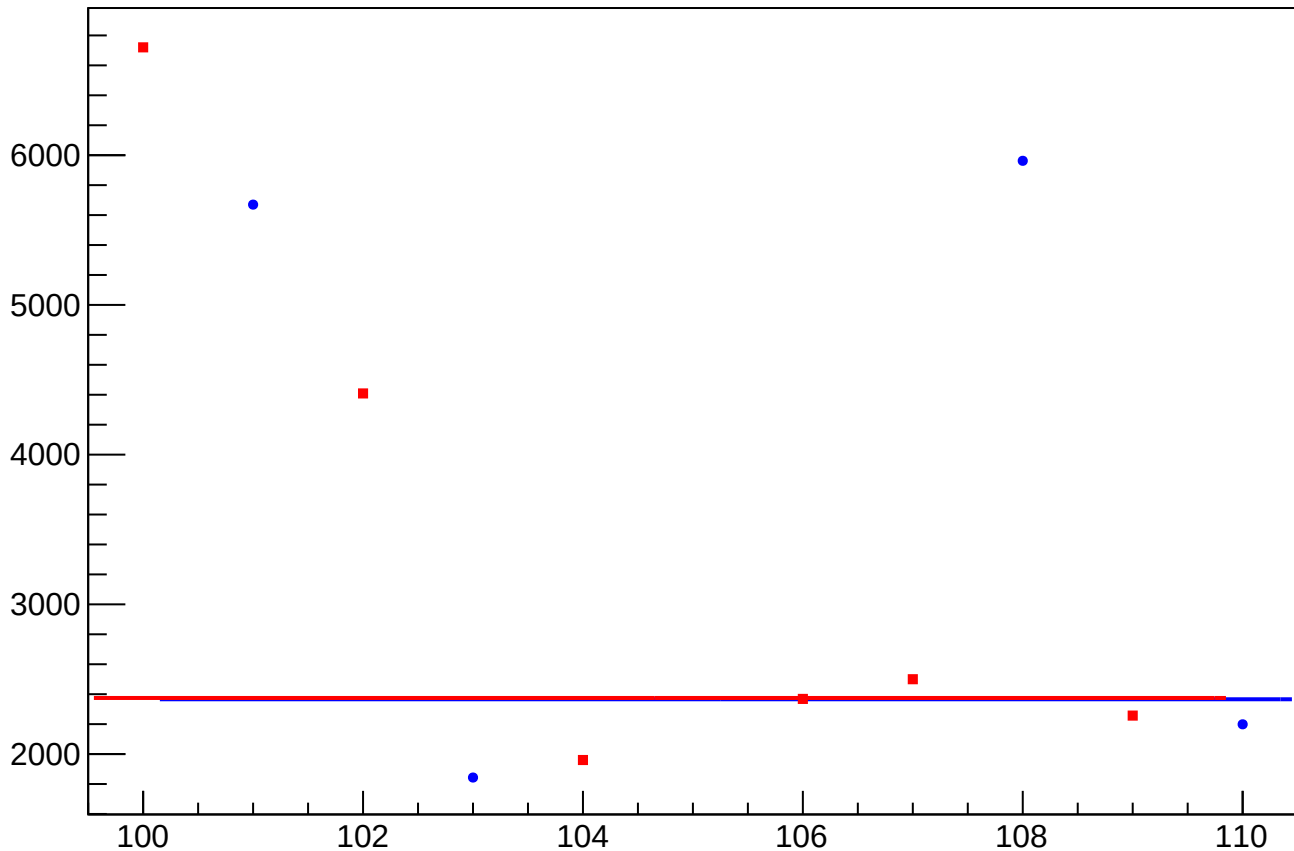
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3414.462+/-1939.488  $\chi^2/\text{NDF}$ : 7.7/3

2580.792+/-1260.439  $\chi^2/\text{NDF}$ : 11.8/9

1971.261+/-1658.395  $\chi^2/\text{NDF}$ : 3.8/5

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



Right In: 2366.017 $\pm$ 1.371  $\chi^2$ /NDF: 767235.3/3

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

Right Out: 2374.704 $\pm$ 1.173  $\chi^2$ /NDF: 311656.0/5

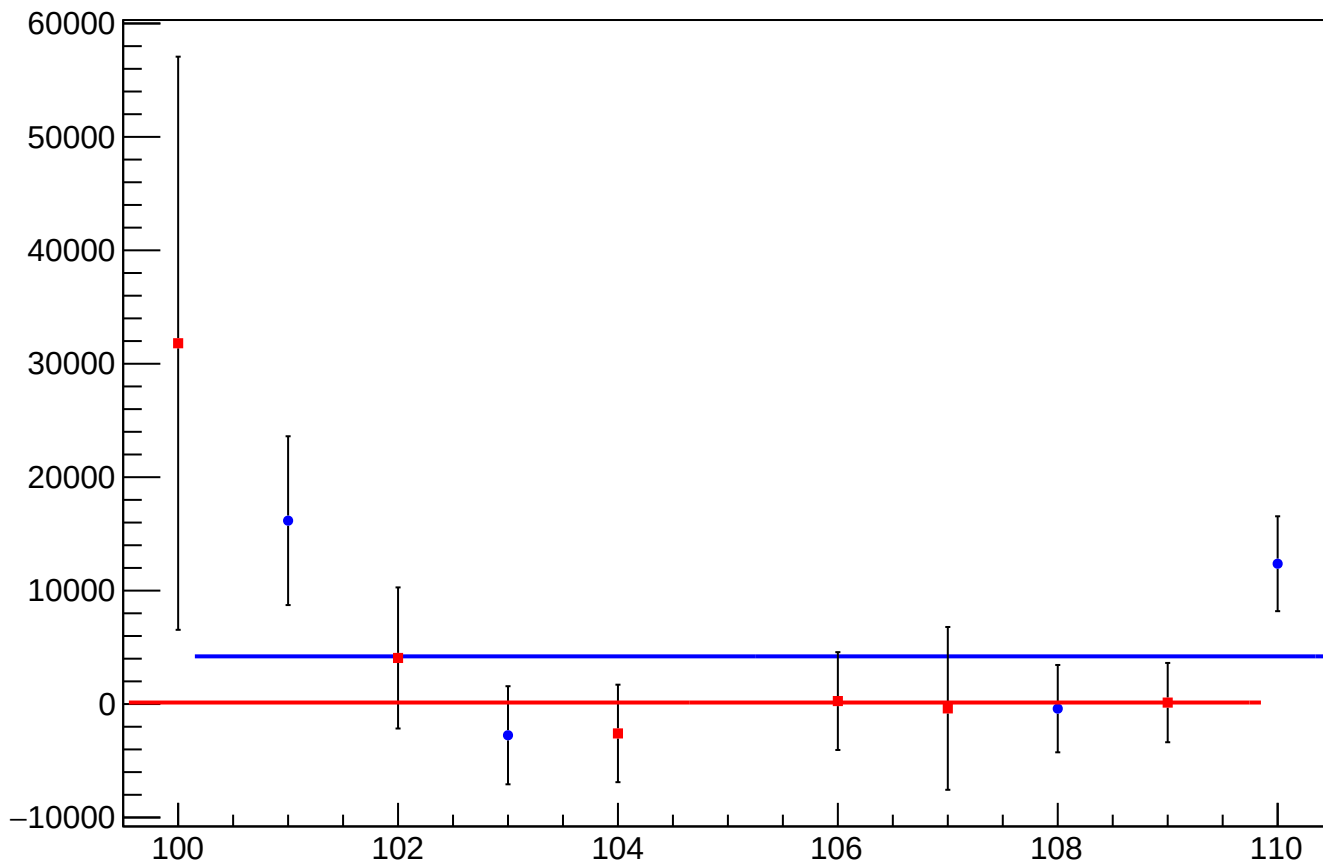
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2366.017 $\pm$ 1.371  $\chi^2$ /NDF: 767235.3/3

2371.035 $\pm$ 0.891  $\chi^2$ /NDF: 1078914.5/9

2374.704 $\pm$ 1.173  $\chi^2$ /NDF: 311656.0/5

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



Right In: 4204.462+/-2257.841  $\chi^2/\text{NDF}$ : 10.4/3

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

Right Out: 134.949+/-2055.807  $\chi^2/\text{NDF}$ : 2.4/5

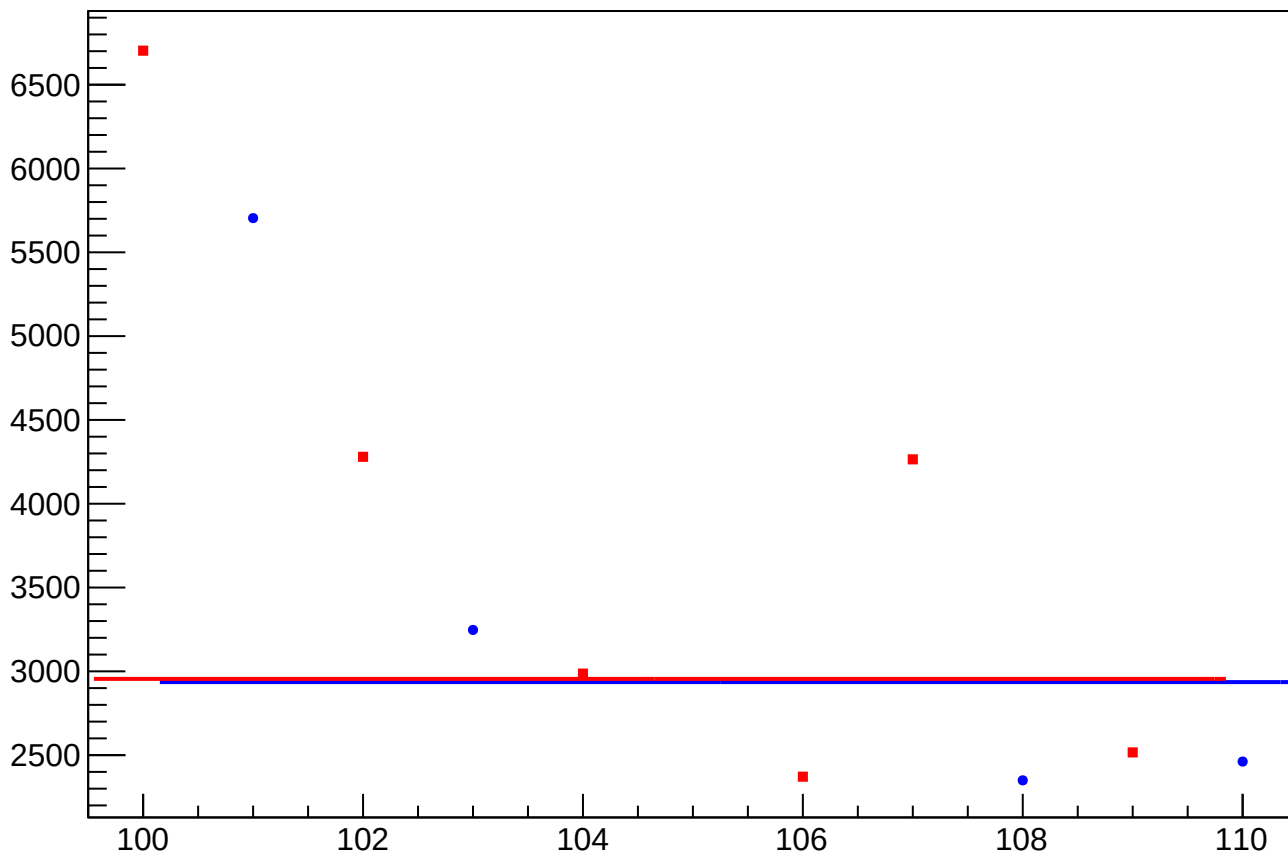
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4204.462+/-2257.841  $\chi^2/\text{NDF}$ : 10.4/3

1979.522+/-1520.093  $\chi^2/\text{NDF}$ : 14.6/9

134.949+/-2055.807  $\chi^2/\text{NDF}$ : 2.4/5

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



Right In: 2935.824+/-1.597  $\chi^2/\text{NDF}$ : 359241.1/3

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

Right Out: 2954.957+/-1.454  $\chi^2/\text{NDF}$ : 269637.7/5

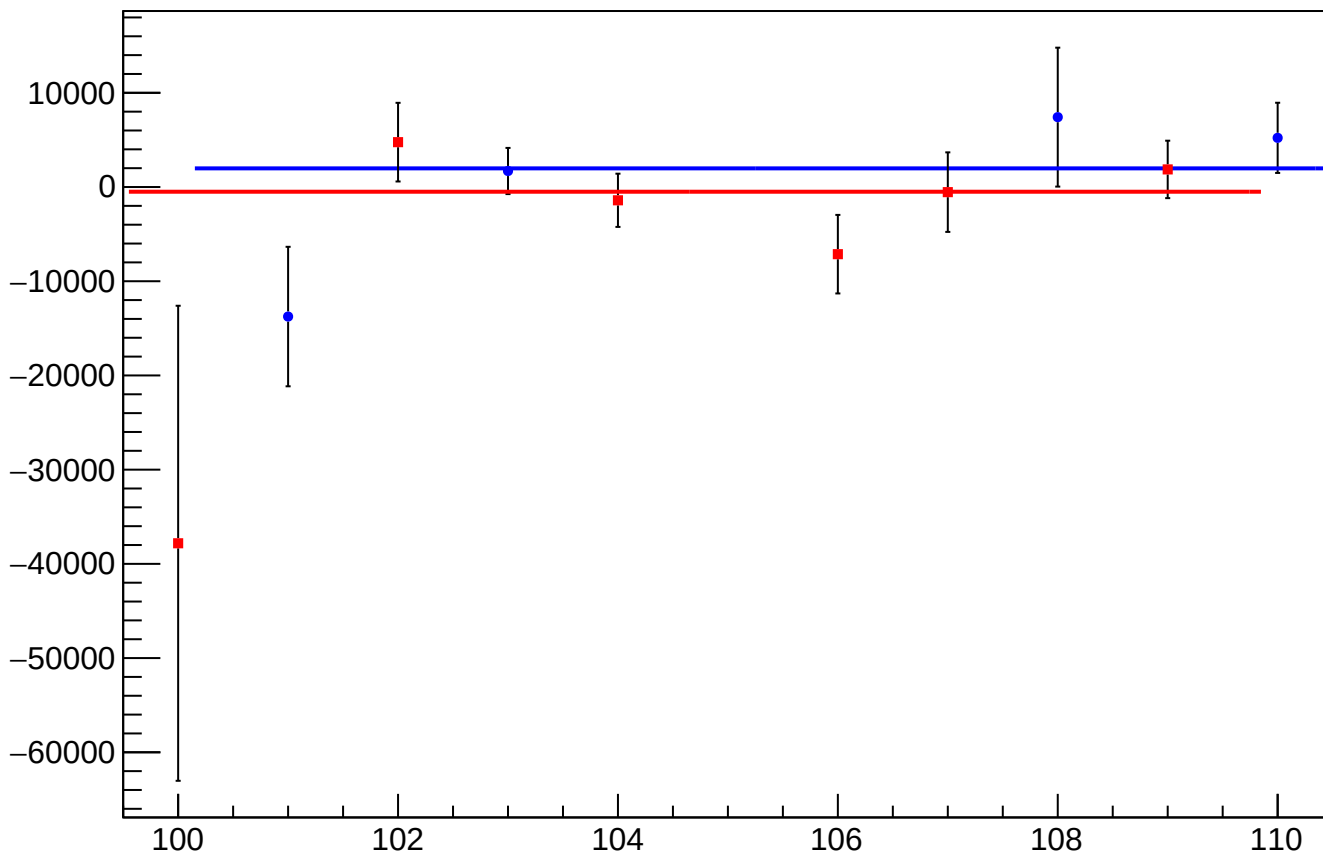
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2935.824+/-1.597  $\chi^2/\text{NDF}$ : 359241.1/3

2946.285+/-1.075  $\chi^2/\text{NDF}$ : 628957.4/9

2954.957+/-1.454  $\chi^2/\text{NDF}$ : 269637.7/5

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



Right In: 1979.643+/-1906.063  $\chi^2/\text{NDF}$ : 5.8/3

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

Right Out: -498.974+/-1570.247  $\chi^2/\text{NDF}$ : 7.0/5

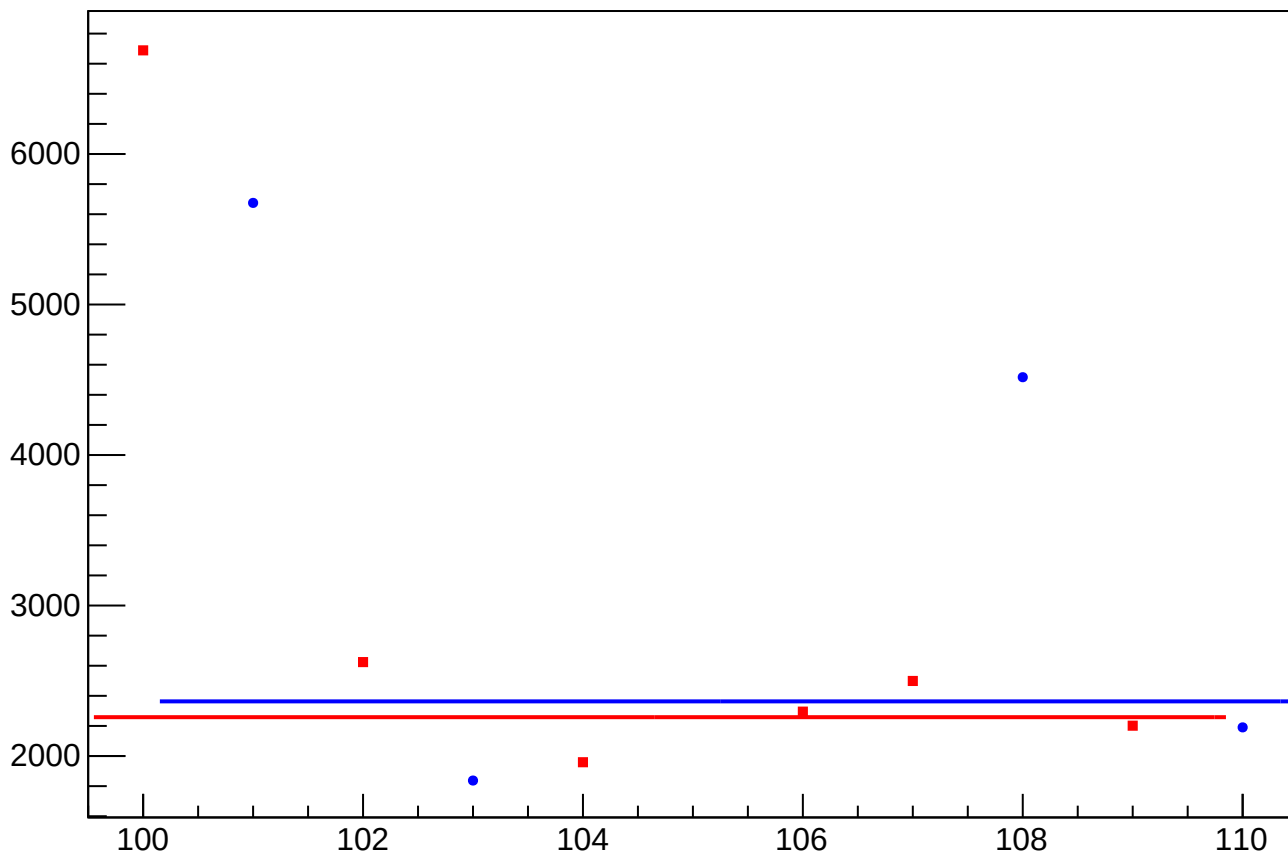
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1979.643+/-1906.063  $\chi^2/\text{NDF}$ : 5.8/3

503.110+/-1211.950  $\chi^2/\text{NDF}$ : 13.9/9

-498.974+/-1570.247  $\chi^2/\text{NDF}$ : 7.0/5

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



Right In: 2363.199+/-1.348  $\chi^2/\text{NDF}$ : 667407.4/3

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

Right Out: 2258.180+/-1.110  $\chi^2/\text{NDF}$ : 106940.7/5

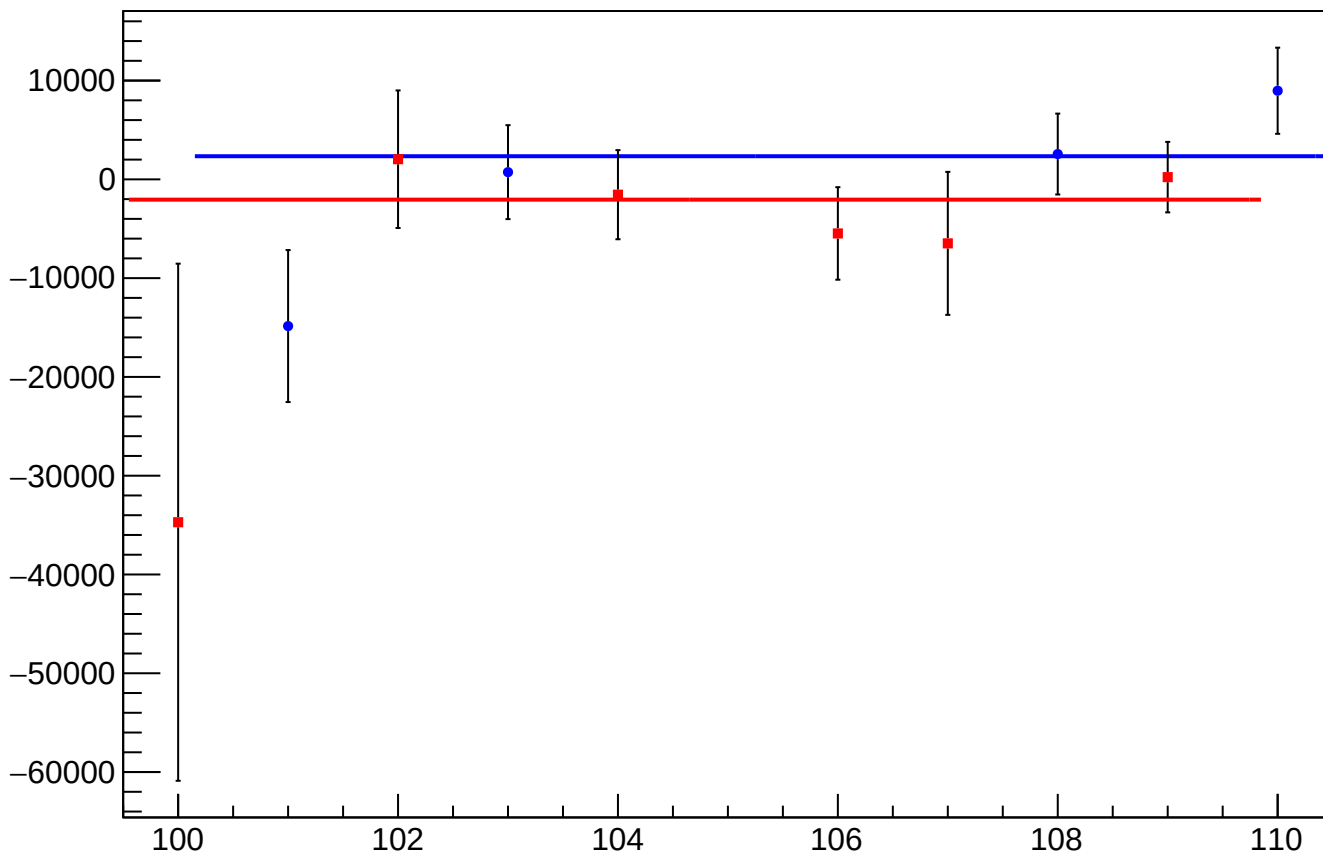
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2363.199+/-1.348  $\chi^2/\text{NDF}$ : 667407.4/3

2300.638+/-0.857  $\chi^2/\text{NDF}$ : 777964.9/9

2258.180+/-1.110  $\chi^2/\text{NDF}$ : 106940.7/5

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



Right In: 2342.160+/-2401.537  $\chi^2/\text{NDF}$ : 7.4/3

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

Right Out: -2053.835+/-2159.366  $\chi^2/\text{NDF}$ : 3.2/5

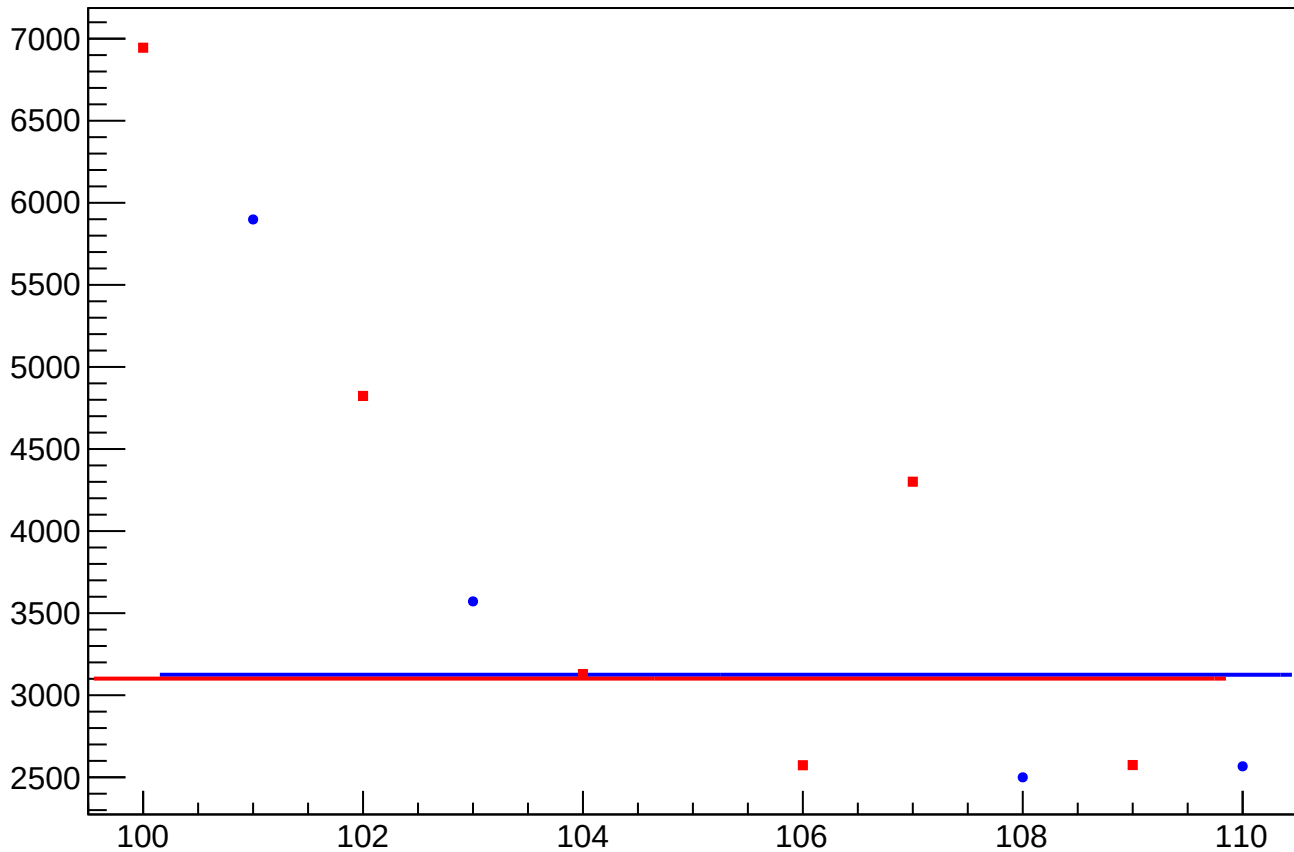
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2342.160+/-2401.537  $\chi^2/\text{NDF}$ : 7.4/3

-88.595+/-1605.715  $\chi^2/\text{NDF}$ : 12.5/9

-2053.835+/-2159.366  $\chi^2/\text{NDF}$ : 3.2/5

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



Right In: 3124.695+/-1.698  $\chi^2/\text{NDF}$ : 356999.9/3

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

Right Out: 3101.271+/-1.527  $\chi^2/\text{NDF}$ : 289548.7/5

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

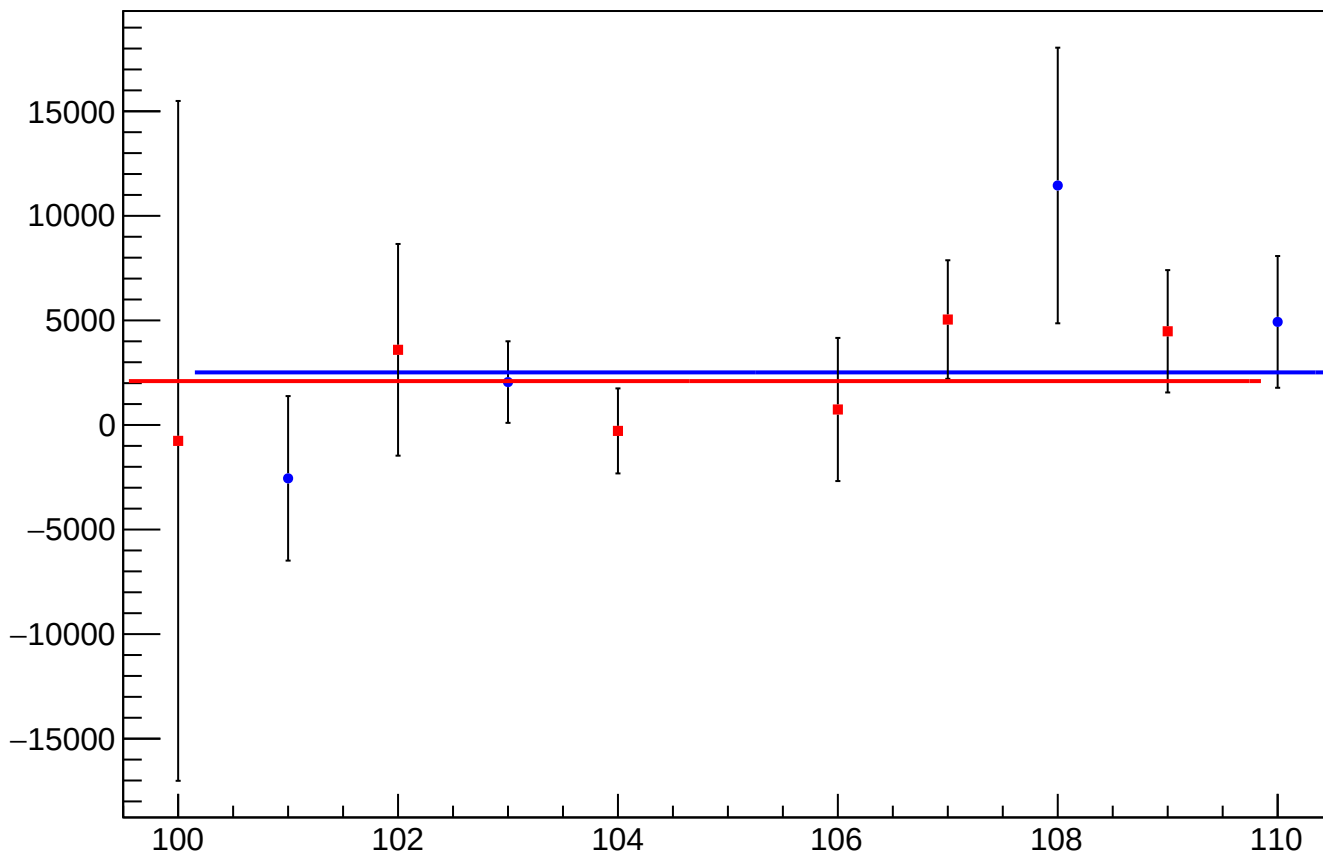
3124.695+/-1.698  $\chi^2/\text{NDF}$ : 356999.9/3

3111.742+/-1.135  $\chi^2/\text{NDF}$ : 646653.9/9

3101.271+/-1.527  $\chi^2/\text{NDF}$ : 289548.7/5



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



Right In: 2514.691 $\pm$ 1488.579  $\chi^2$ /NDF: 4.1/3

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

Right Out: 2098.086 $\pm$ 1278.751  $\chi^2$ /NDF: 3.4/5

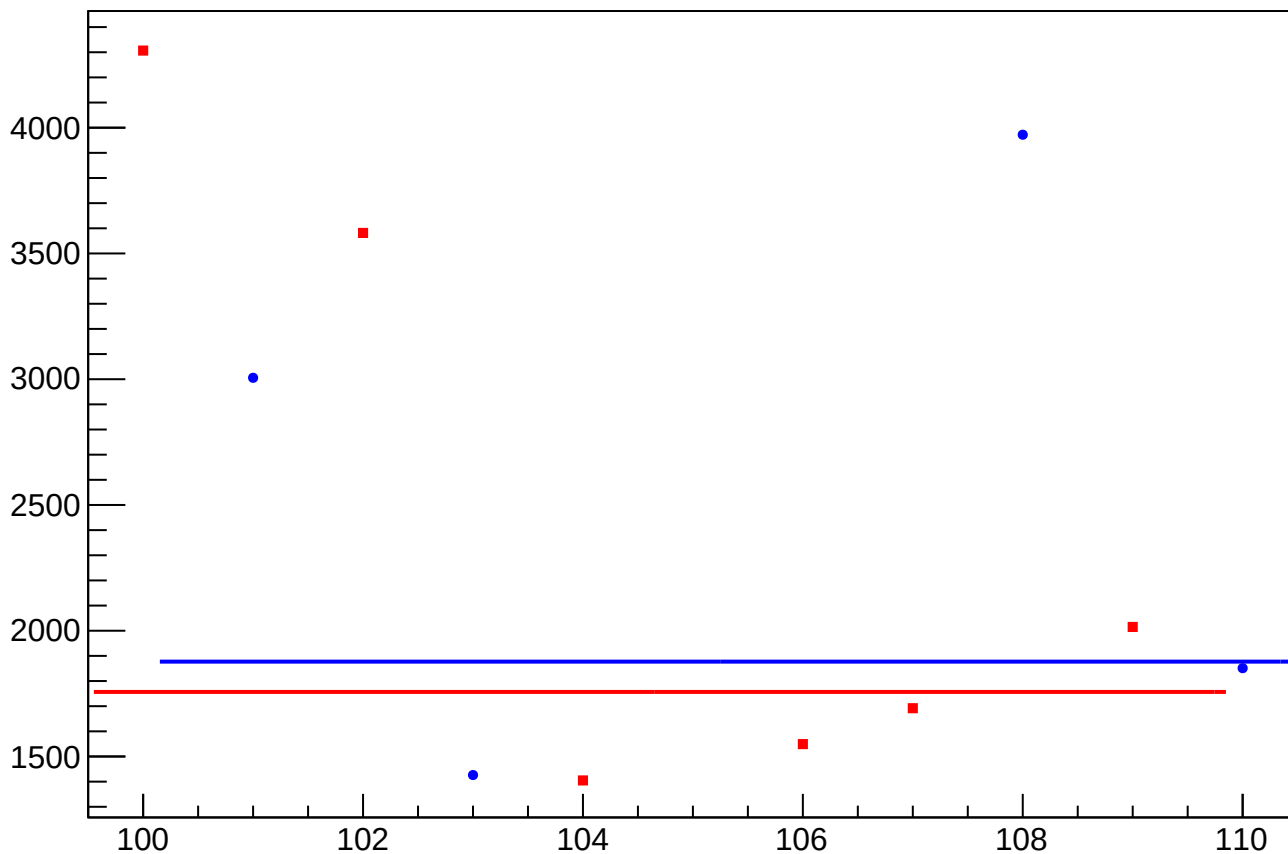
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2514.691 $\pm$ 1488.579  $\chi^2$ /NDF: 4.1/3

2274.981 $\pm$ 969.990  $\chi^2$ /NDF: 7.6/9

2098.086 $\pm$ 1278.751  $\chi^2$ /NDF: 3.4/5

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



Right In: 1877.179+/-1.053  $\chi^2/\text{NDF}$ : 473761.4/3

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

Right Out: 1756.679+/-0.904  $\chi^2/\text{NDF}$ : 393201.3/5

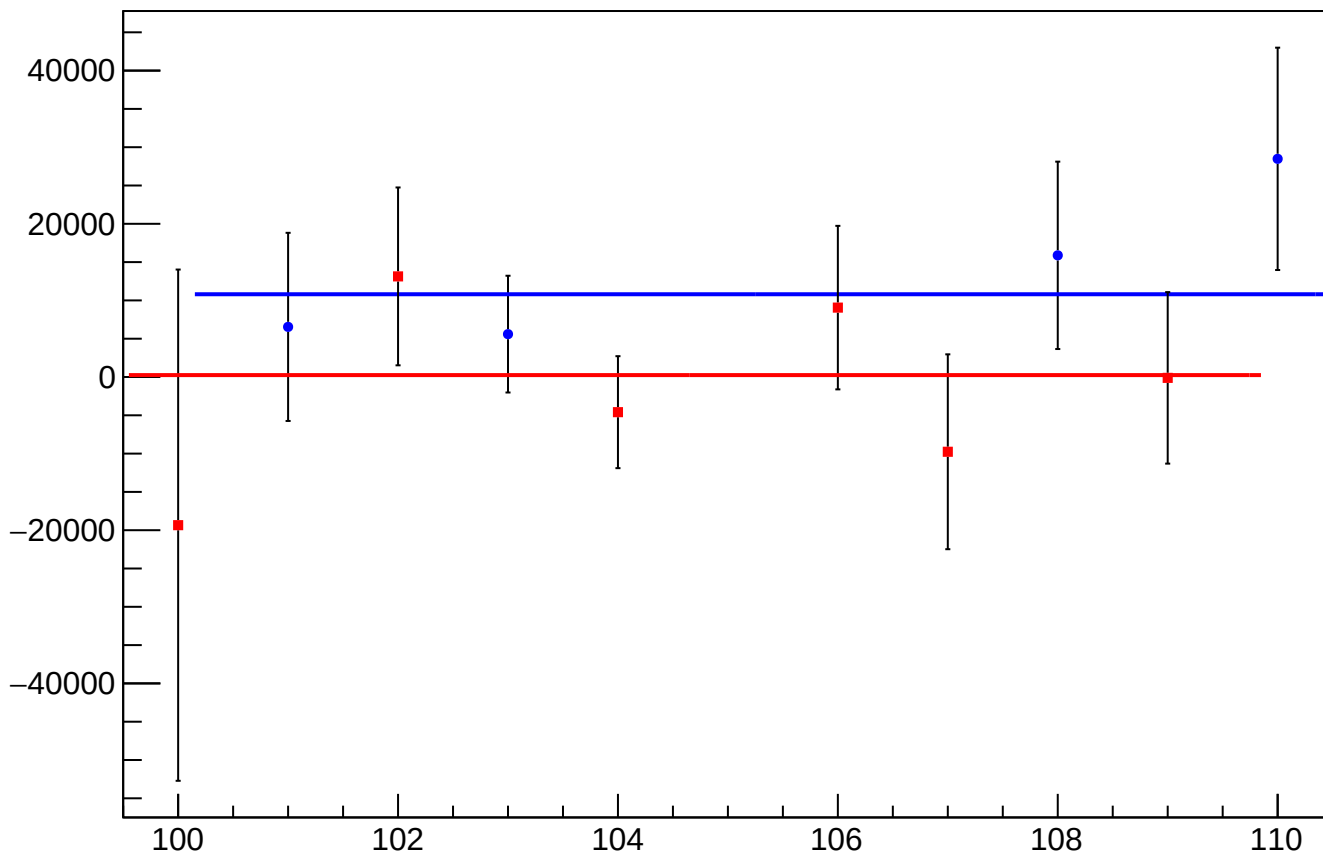
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1877.179+/-1.053  $\chi^2/\text{NDF}$ : 473761.4/3

1807.813+/-0.686  $\chi^2/\text{NDF}$ : 874507.1/9

1756.679+/-0.904  $\chi^2/\text{NDF}$ : 393201.3/5

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



Right In: 10803.916 $\pm$ 5324.027  $\chi^2$ /NDF: 2.2/3

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

Right Out: 249.400 $\pm$ 4473.245  $\chi^2$ /NDF: 3.3/5

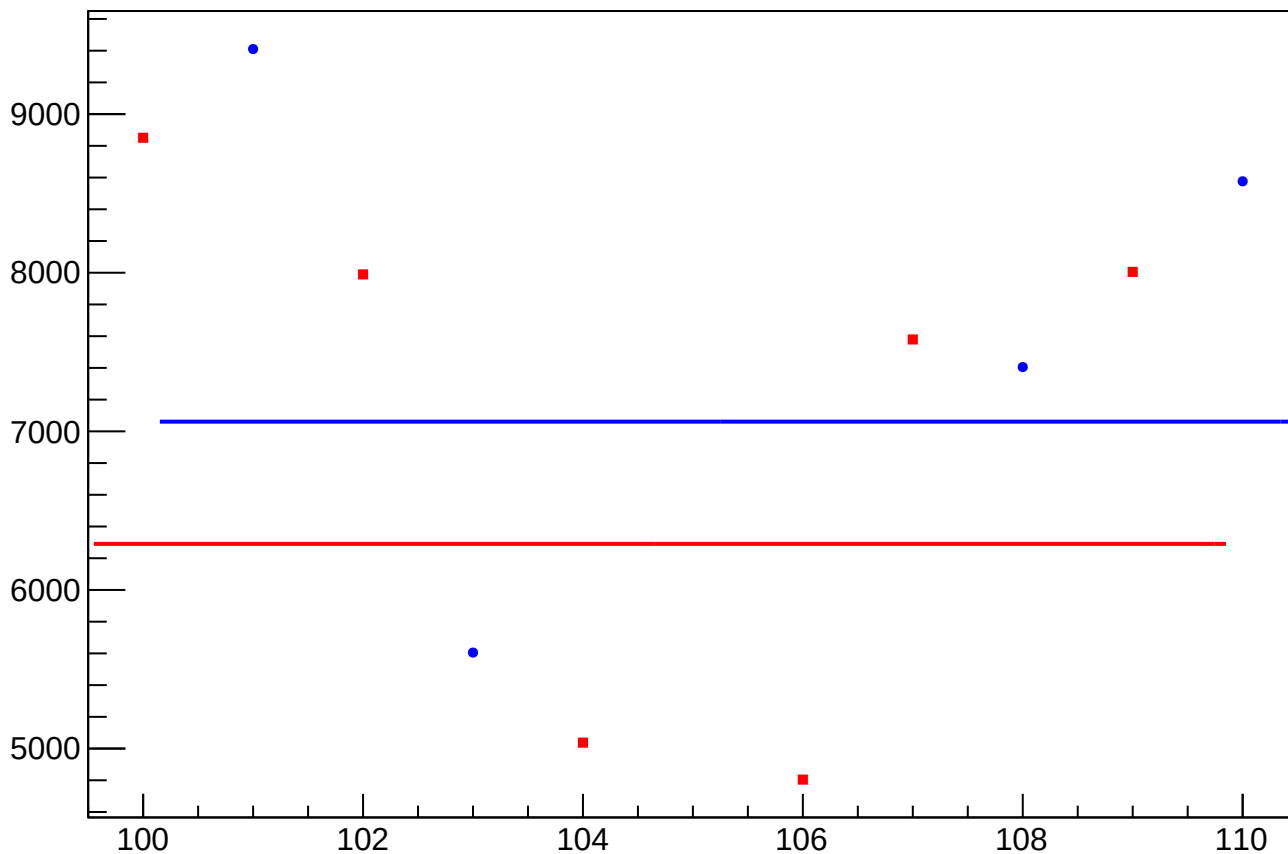
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

10803.916 $\pm$ 5324.027  $\chi^2$ /NDF: 2.2/3

4616.978 $\pm$ 3424.849  $\chi^2$ /NDF: 7.9/9

249.400 $\pm$ 4473.245  $\chi^2$ /NDF: 3.3/5

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



Right In: 7061.140+/-3.764  $\chi^2/\text{NDF}$ : 169577.0/3

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

Right Out: 6290.524+/-3.162  $\chi^2/\text{NDF}$ : 219782.7/5

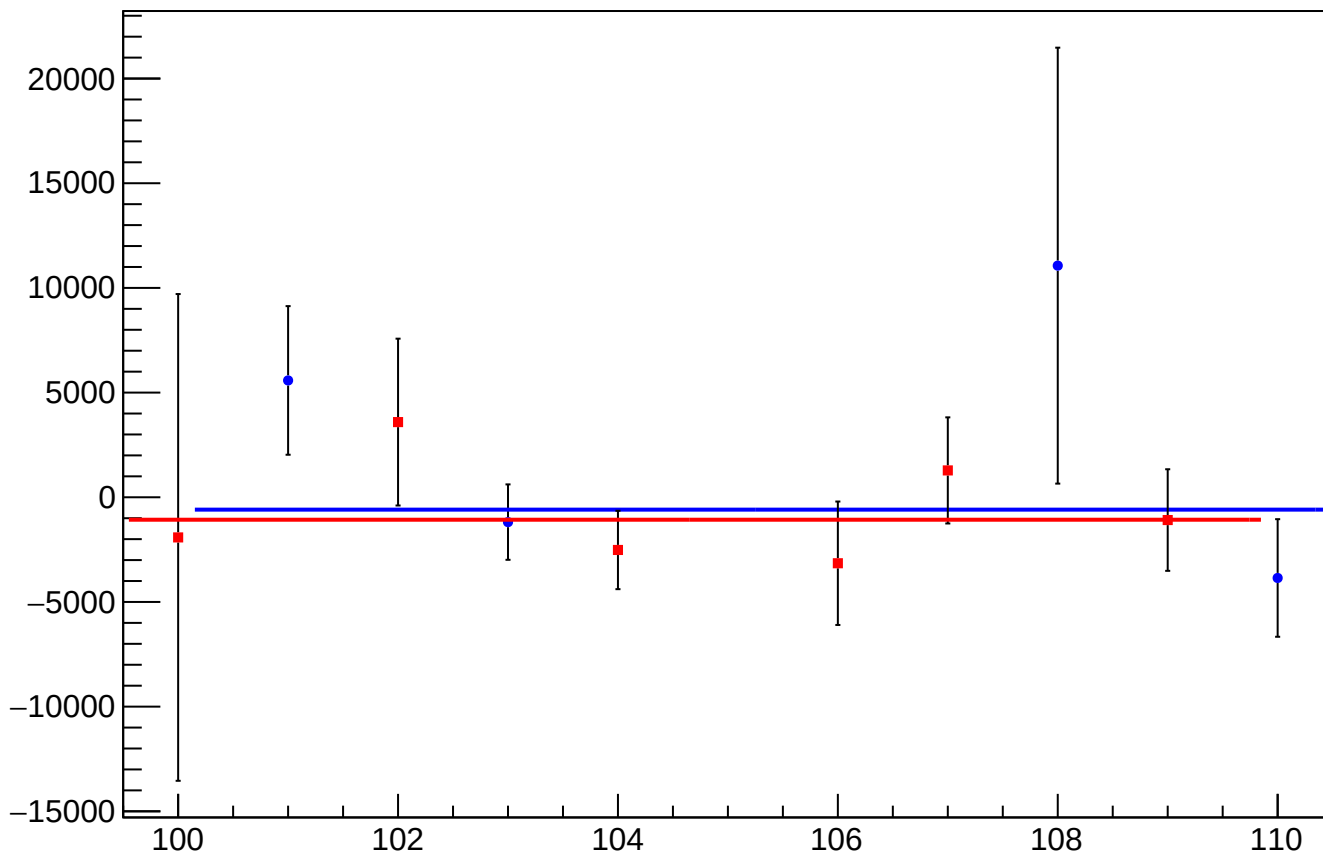
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

7061.140+/-3.764  $\chi^2/\text{NDF}$ : 169577.0/3

6609.321+/-2.421  $\chi^2/\text{NDF}$ : 413930.7/9

6290.524+/-3.162  $\chi^2/\text{NDF}$ : 219782.7/5

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



Right In: -590.493+/-1381.960  $\chi^2/\text{NDF}$ : 5.7/3

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

Right Out: -1072.351+/-1120.566  $\chi^2/\text{NDF}$ : 3.3/5

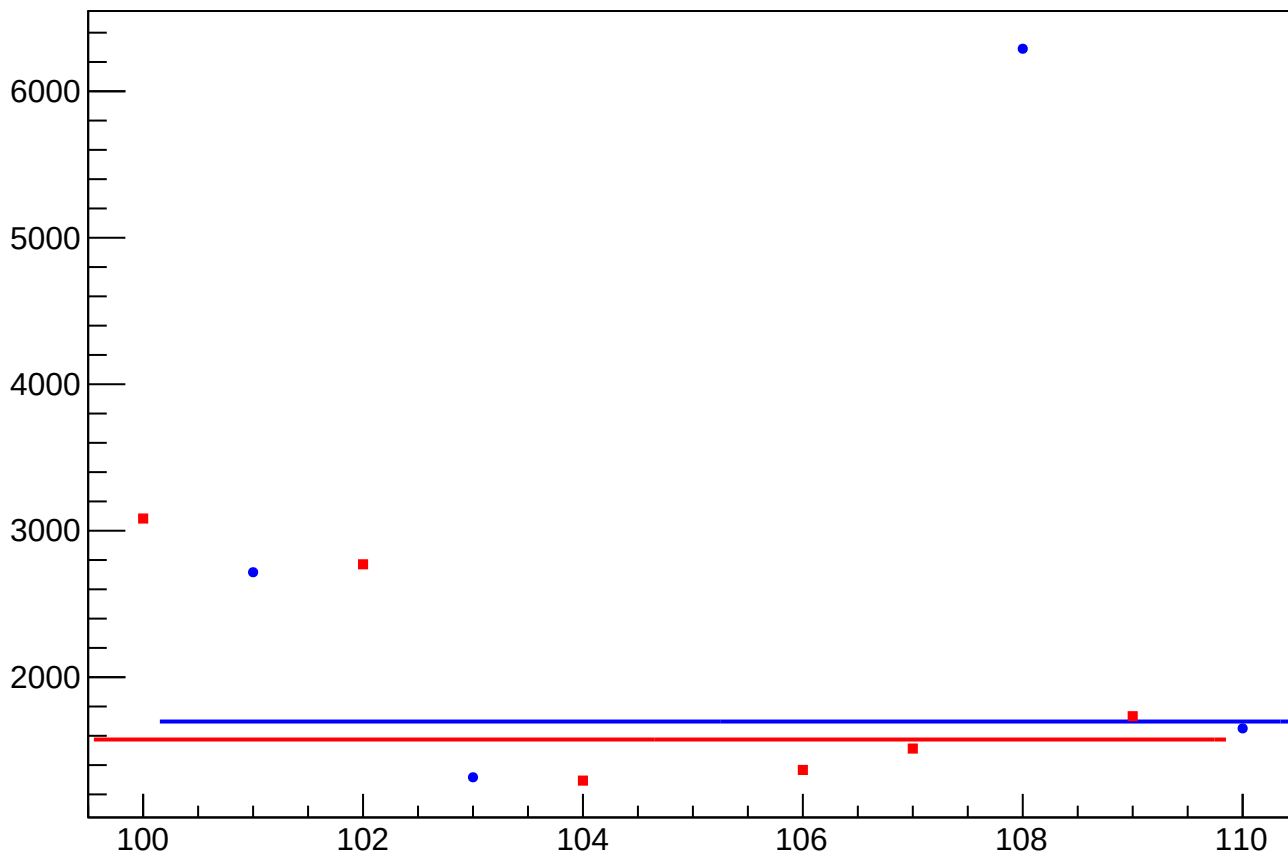
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-590.493+/-1381.960  $\chi^2/\text{NDF}$ : 5.7/3

-881.210+/-870.388  $\chi^2/\text{NDF}$ : 9.1/9

-1072.351+/-1120.566  $\chi^2/\text{NDF}$ : 3.3/5

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



Right In: 1697.454+/-0.977  $\chi^2/\text{NDF}$ : 644084.8/3

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

Right Out: 1574.632+/-0.792  $\chi^2/\text{NDF}$ : 278592.9/5

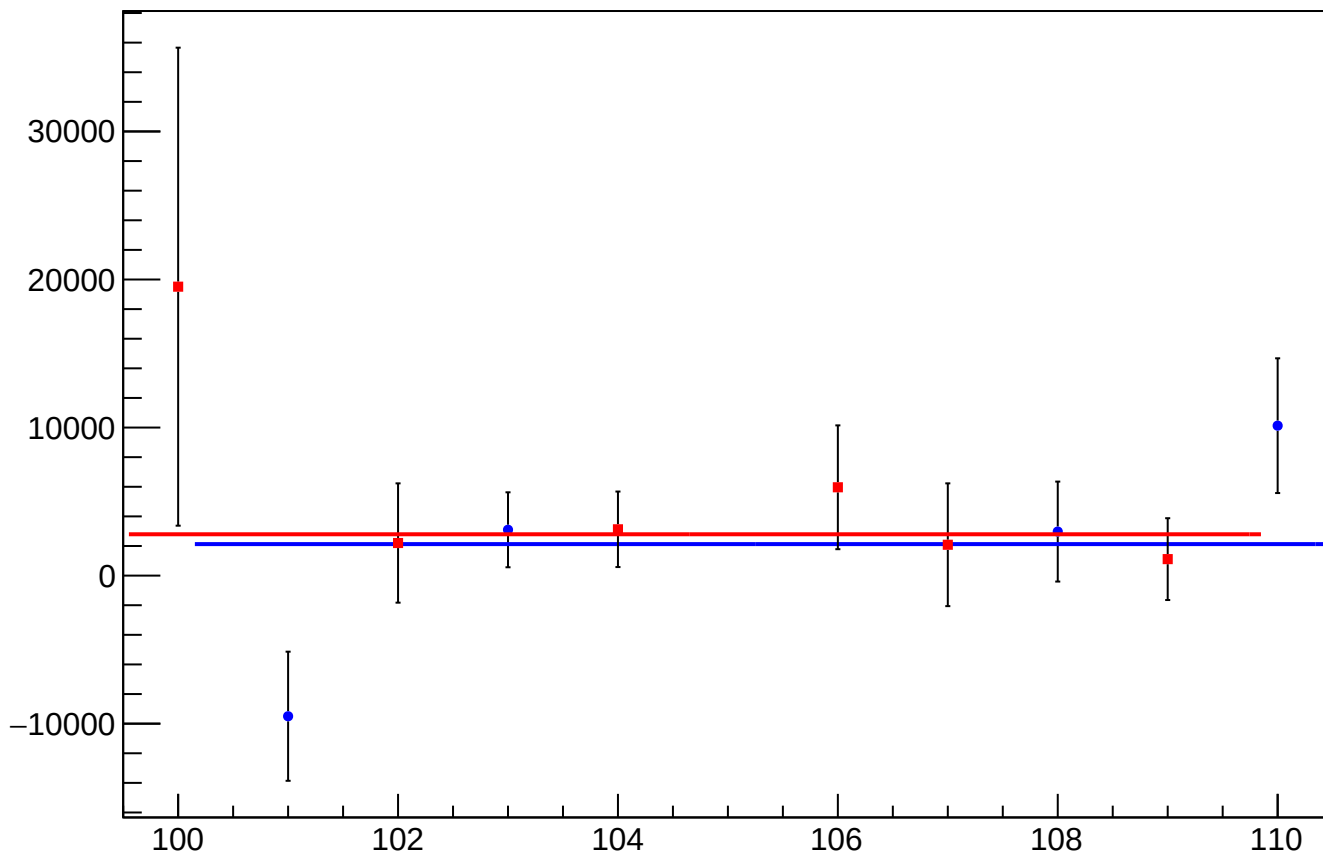
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1697.454+/-0.977  $\chi^2/\text{NDF}$ : 644084.8/3

1623.352+/-0.615  $\chi^2/\text{NDF}$ : 932208.9/9

1574.632+/-0.792  $\chi^2/\text{NDF}$ : 278592.9/5

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



Right In: 2127.787+/-1703.469  $\chi^2/\text{NDF}$ : 10.4/3

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

Right Out: 2792.209+/-1465.632  $\chi^2/\text{NDF}$ : 2.1/5

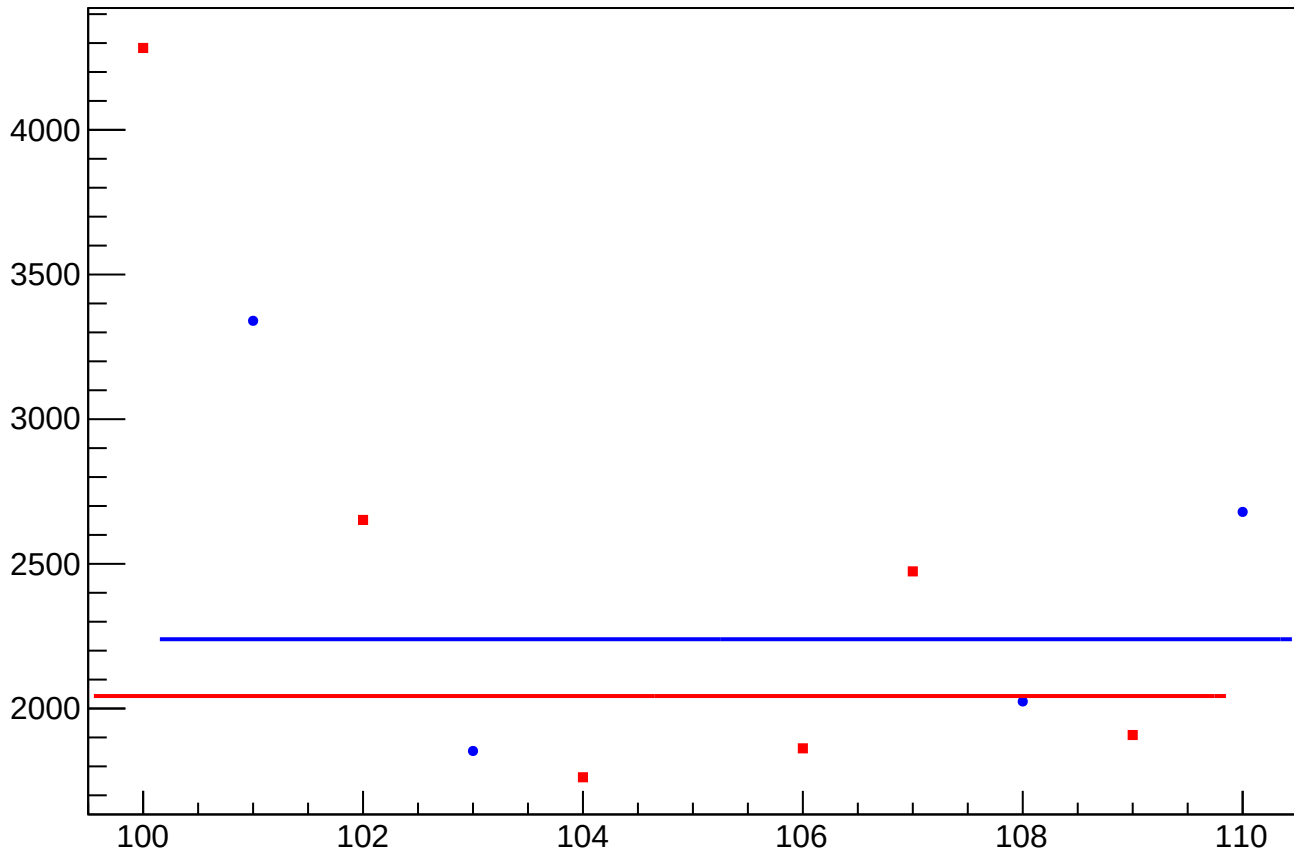
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2127.787+/-1703.469  $\chi^2/\text{NDF}$ : 10.4/3

2509.583+/-1111.011  $\chi^2/\text{NDF}$ : 12.6/9

2792.209+/-1465.632  $\chi^2/\text{NDF}$ : 2.1/5

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



Right In: 2239.450+/-1.205  $\chi^2/\text{NDF}$ : 200748.2/3

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

Right Out: 2043.113+/-1.036  $\chi^2/\text{NDF}$ : 138472.2/5

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

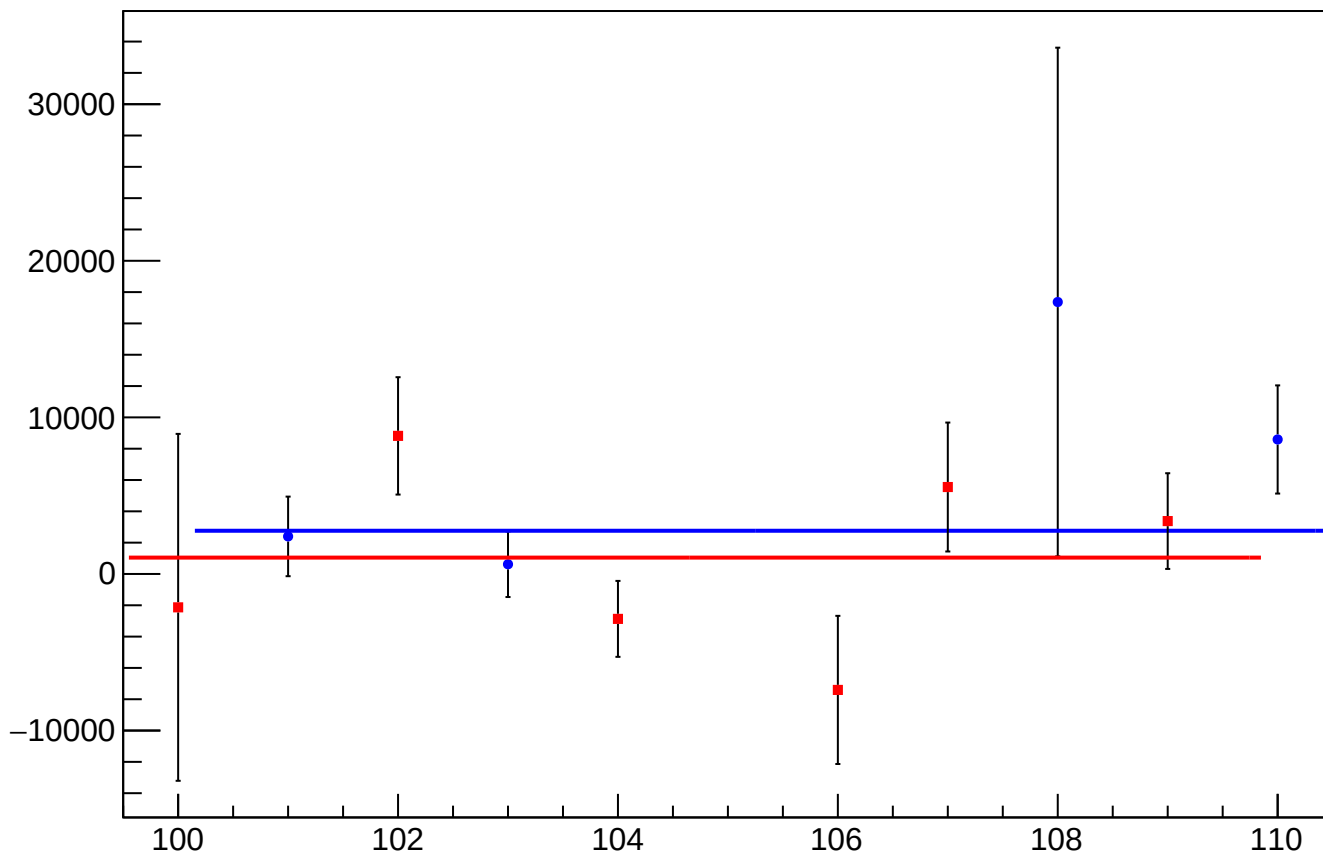
2239.450+/-1.205  $\chi^2/\text{NDF}$ : 200748.2/3

2126.629+/-0.786  $\chi^2/\text{NDF}$ : 354487.7/9

2043.113+/-1.036  $\chi^2/\text{NDF}$ : 138472.2/5



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



Right In: 2759.576 $\pm$ 1457.614  $\chi^2$ /NDF: 4.7/3

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

Right Out: 1045.108 $\pm$ 1474.110  $\chi^2$ /NDF: 12.0/5

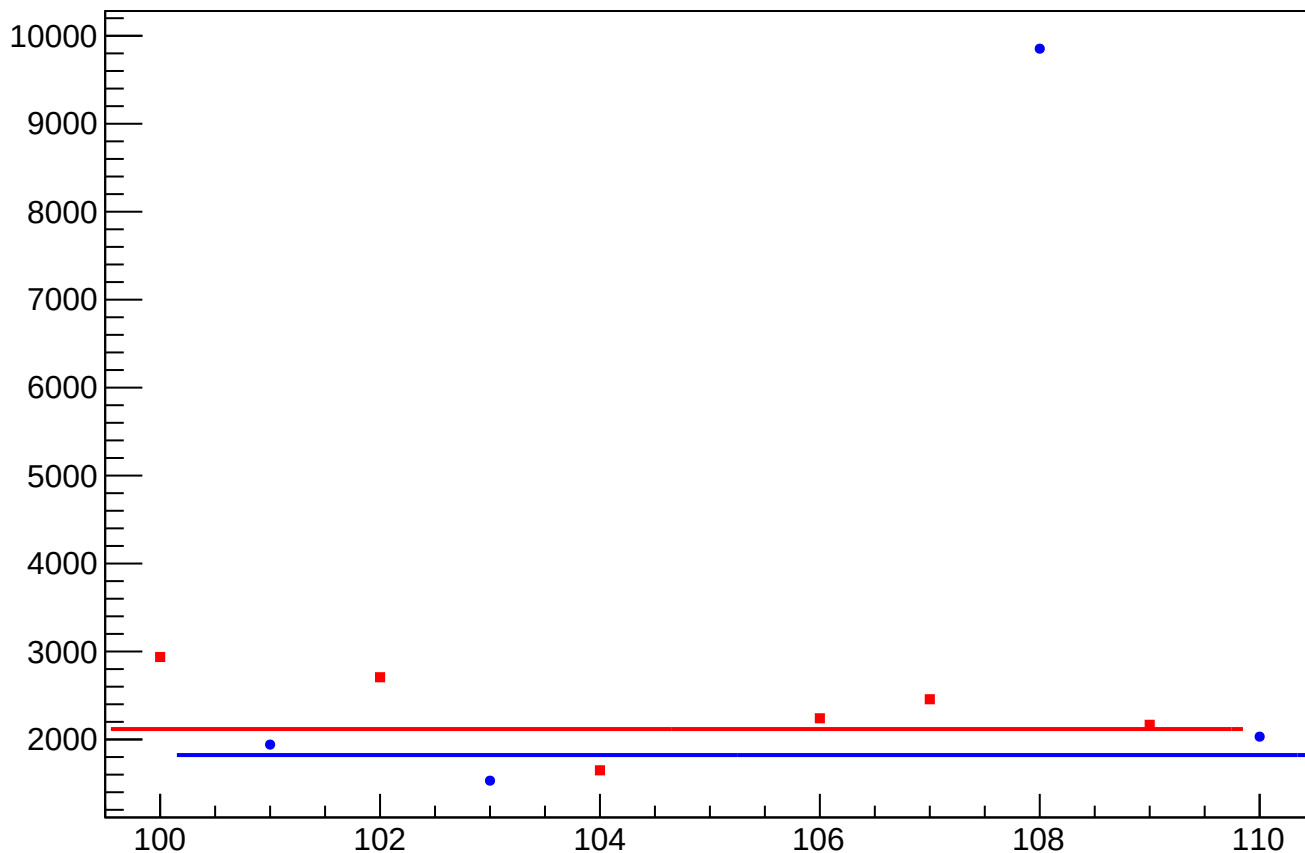
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2759.576 $\pm$ 1457.614  $\chi^2$ /NDF: 4.7/3

1911.988 $\pm$ 1036.472  $\chi^2$ /NDF: 17.4/9

1045.108 $\pm$ 1474.110  $\chi^2$ /NDF: 12.0/5

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



Right In: 1822.567+/-1.031  $\chi^2$ /NDF: 539538.4/3

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

Right Out: 2118.401+/-1.037  $\chi^2$ /NDF: 150757.2/5

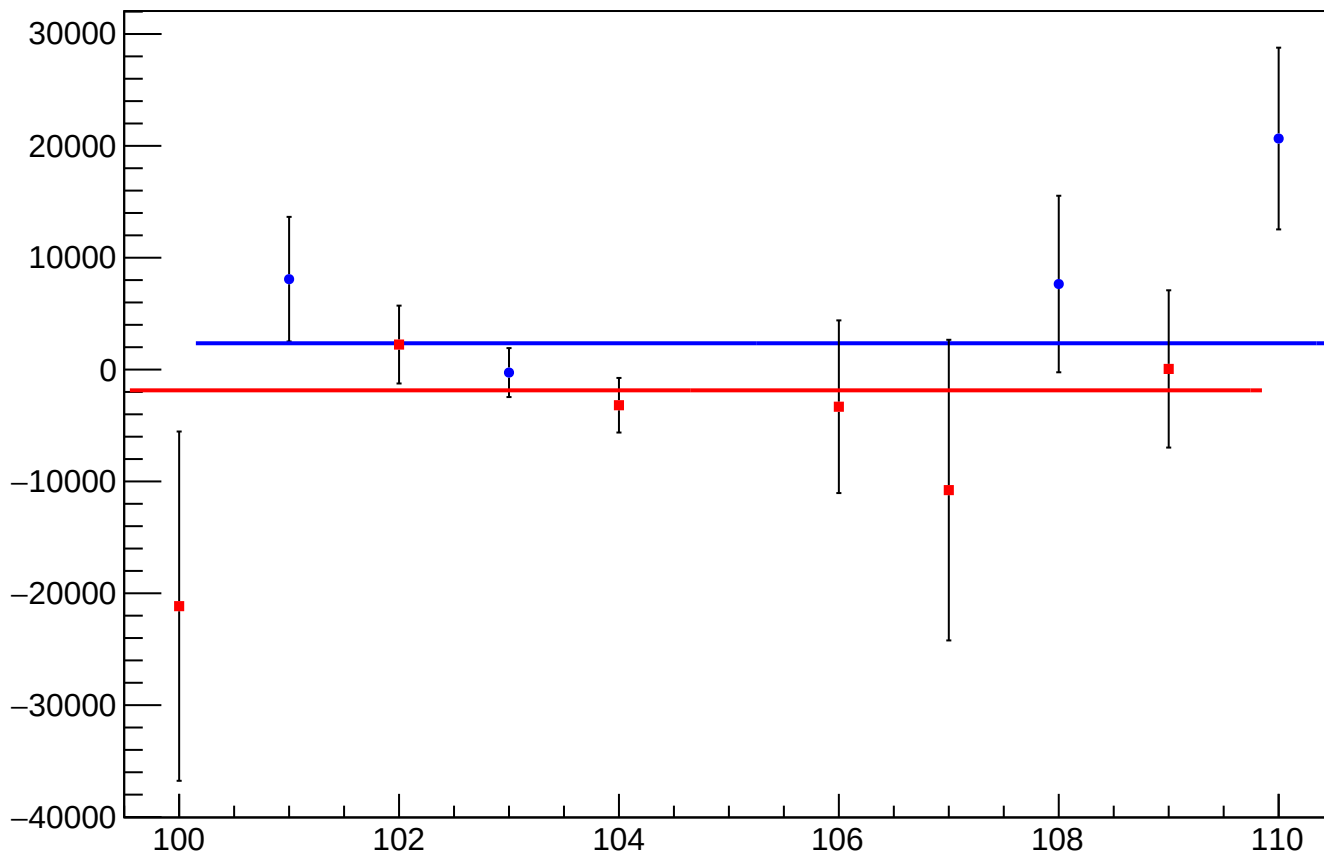
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

1822.567+/-1.031  $\chi^2$ /NDF: 539538.4/3

1969.582+/-0.731  $\chi^2$ /NDF: 731236.8/9

2118.401+/-1.037  $\chi^2$ /NDF: 150757.2/5

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



Right In: 2352.301+/-1916.614  $\chi^2/\text{NDF}$ : 8.0/3

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

Right Out: -1856.316+/-1834.395  $\chi^2/\text{NDF}$ : 3.8/5

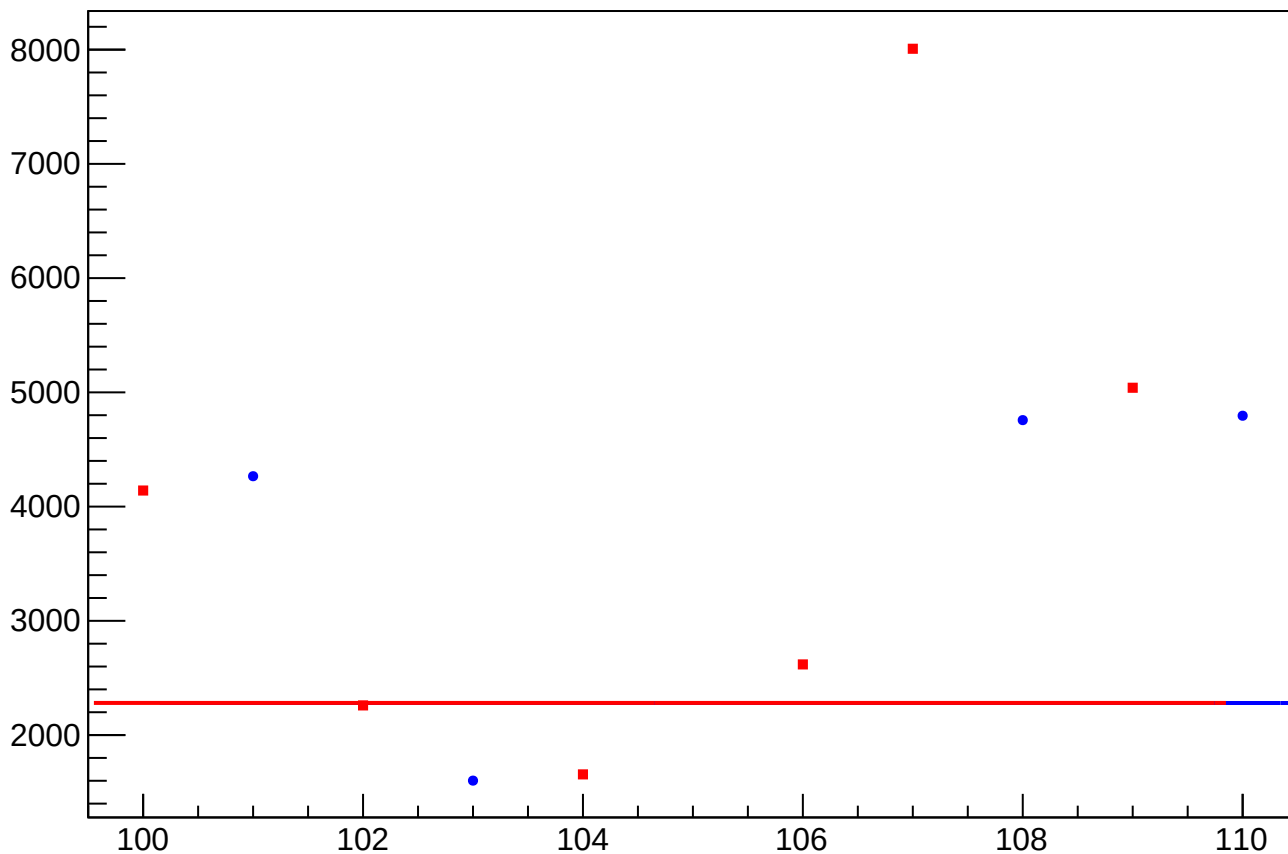
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2352.301+/-1916.614  $\chi^2/\text{NDF}$ : 8.0/3

155.788+/-1325.226  $\chi^2/\text{NDF}$ : 14.3/9

-1856.316+/-1834.395  $\chi^2/\text{NDF}$ : 3.8/5

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



Right In: 2280.800+/-1.355  $\chi^2/\text{NDF}$ : 835439.7/3

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

Right Out: 2281.401+/-1.260  $\chi^2/\text{NDF}$ : 838817.1/5

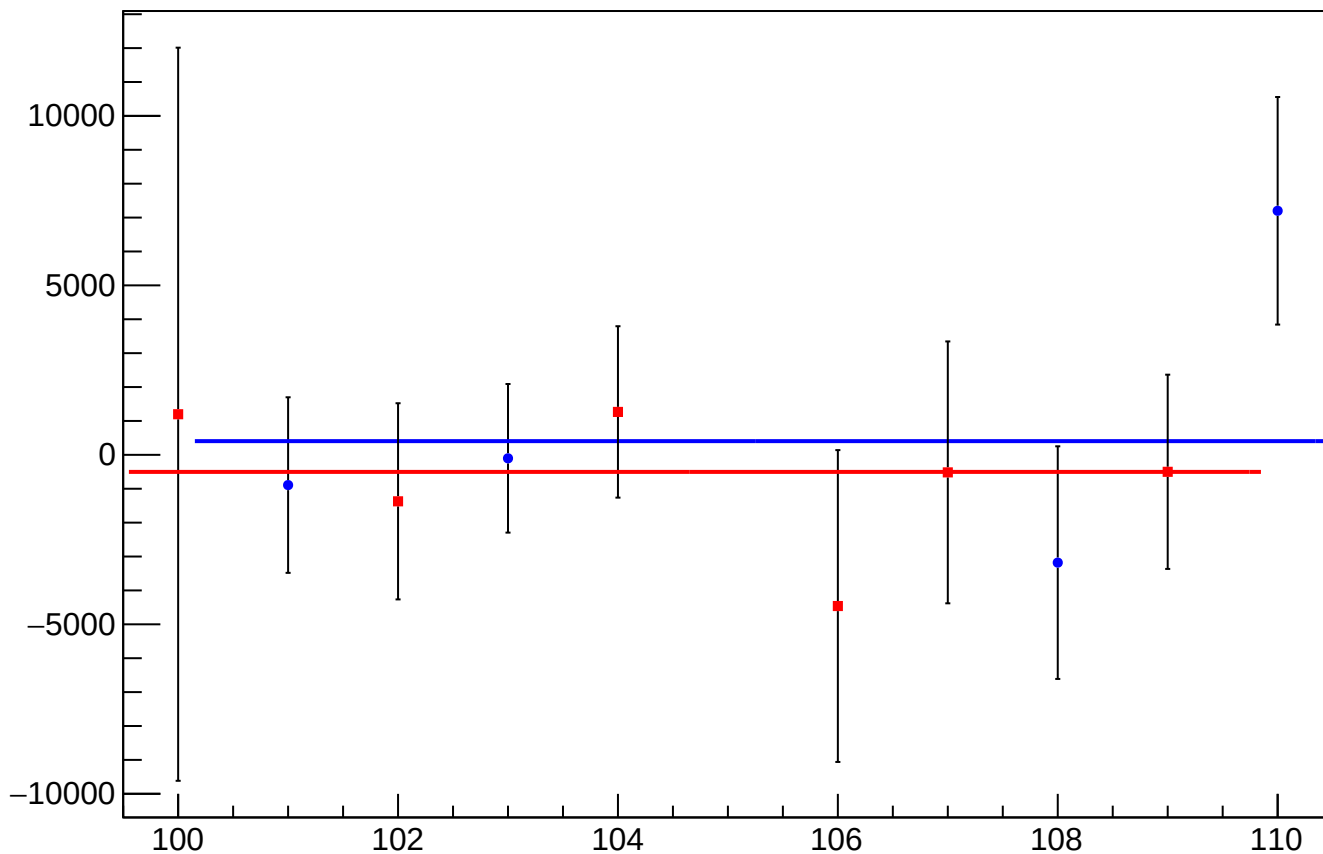
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2280.800+/-1.355  $\chi^2/\text{NDF}$ : 835439.7/3

2281.122+/-0.923  $\chi^2/\text{NDF}$ : 1674256.9/9

2281.401+/-1.260  $\chi^2/\text{NDF}$ : 838817.1/5

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



Right In: 404.428+/-1372.604  $\chi^2/\text{NDF}$ : 5.5/3

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

Right Out: -503.144+/-1386.179  $\chi^2/\text{NDF}$ : 1.3/5

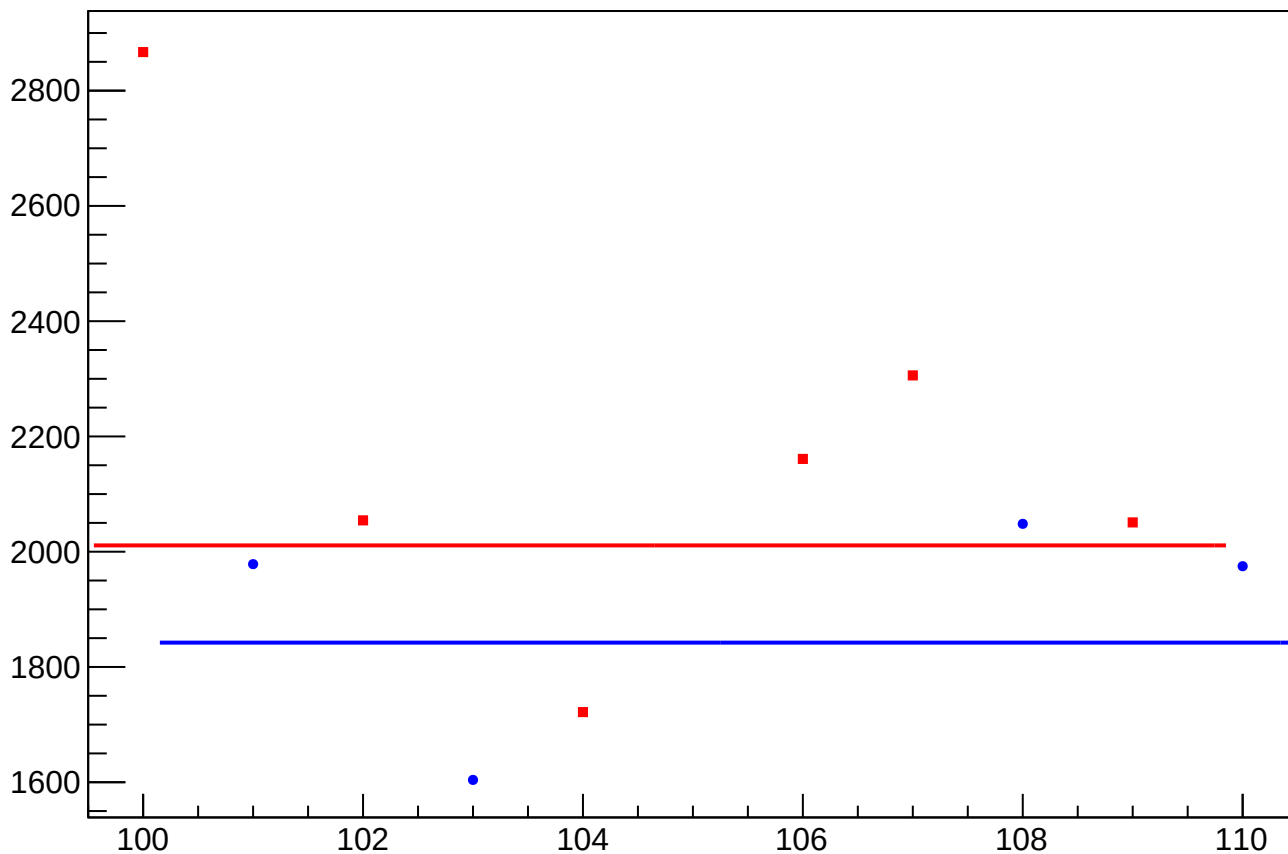
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

404.428+/-1372.604  $\chi^2/\text{NDF}$ : 5.5/3

-44.892+/-975.342  $\chi^2/\text{NDF}$ : 7.1/9

-503.144+/-1386.179  $\chi^2/\text{NDF}$ : 1.3/5

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



Right In: 1842.244+/-0.971  $\chi^2/\text{NDF}$ : 39476.6/3

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

Right Out: 2010.930+/-0.974  $\chi^2/\text{NDF}$ : 53636.6/5

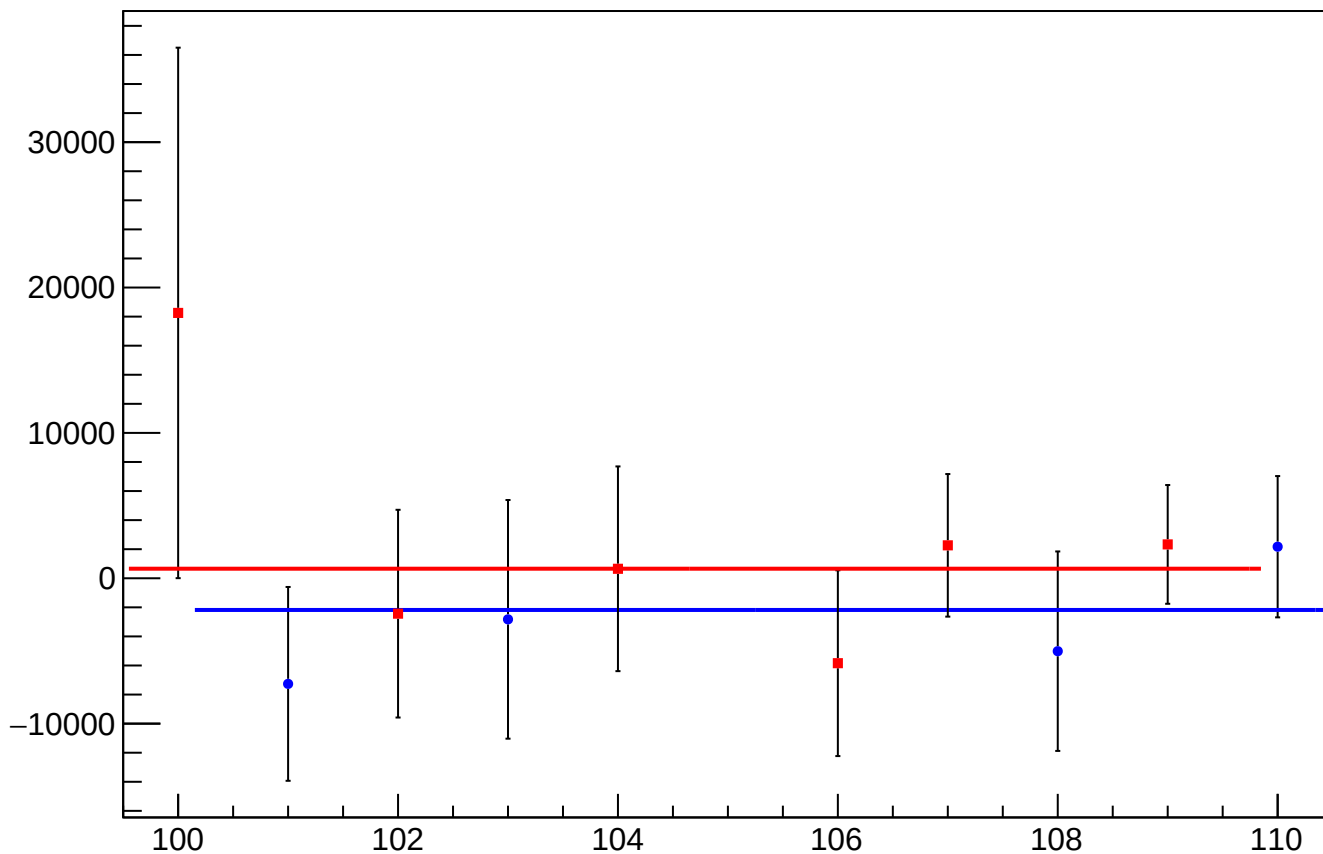
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1842.244+/-0.971  $\chi^2/\text{NDF}$ : 39476.6/3

1926.304+/-0.687  $\chi^2/\text{NDF}$ : 108165.9/9

2010.930+/-0.974  $\chi^2/\text{NDF}$ : 53636.6/5

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



Right In: -2180.189+/-3147.847  $\chi^2/\text{NDF}$ : 1.6/3

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

Right Out: 658.251+/-2434.131  $\chi^2/\text{NDF}$ : 2.4/5

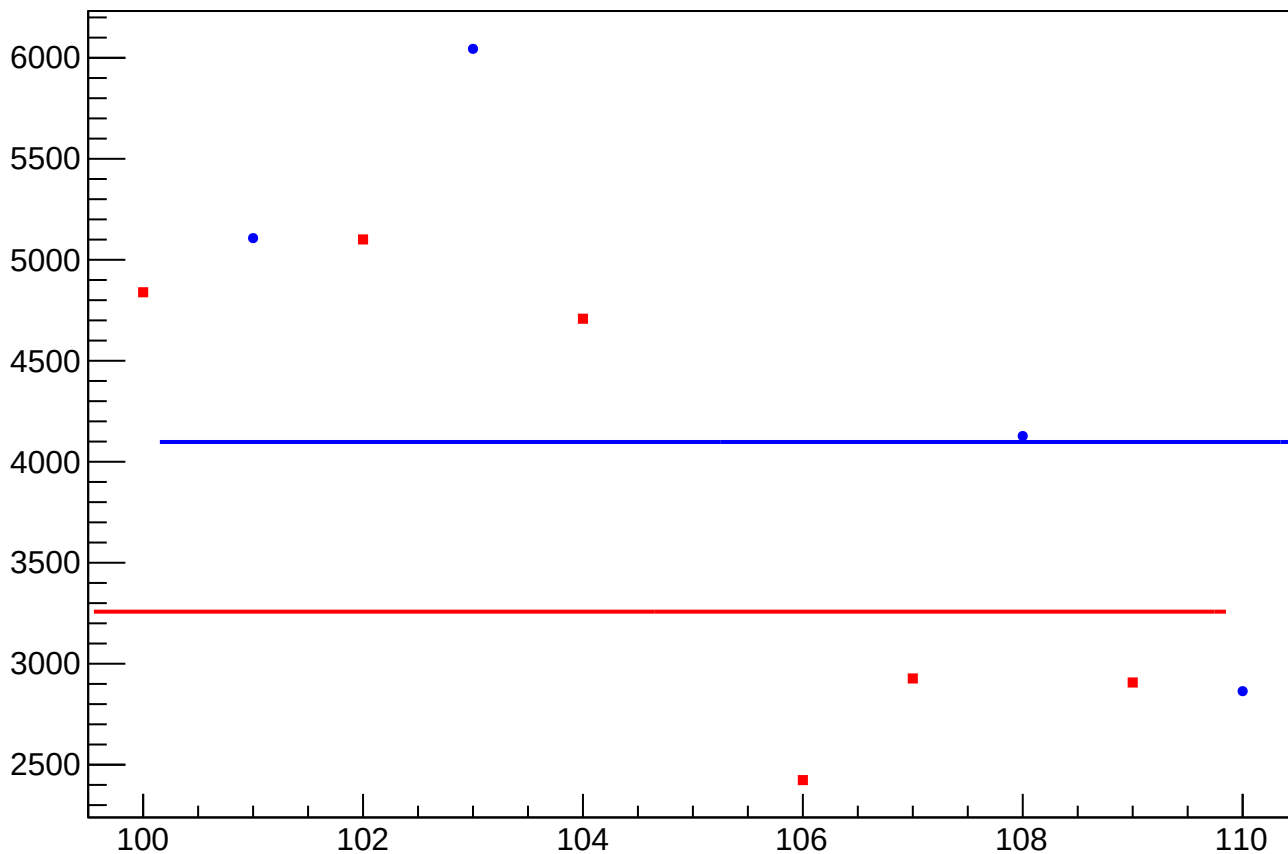
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2180.189+/-3147.847  $\chi^2/\text{NDF}$ : 1.6/3

-403.882+/-1925.587  $\chi^2/\text{NDF}$ : 4.5/9

658.251+/-2434.131  $\chi^2/\text{NDF}$ : 2.4/5

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



Right In: 4097.891+/-2.226  $\chi^2/\text{NDF}$ : 287265.0/3

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

Right Out: 3257.771+/-1.637  $\chi^2/\text{NDF}$ : 315785.6/5

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

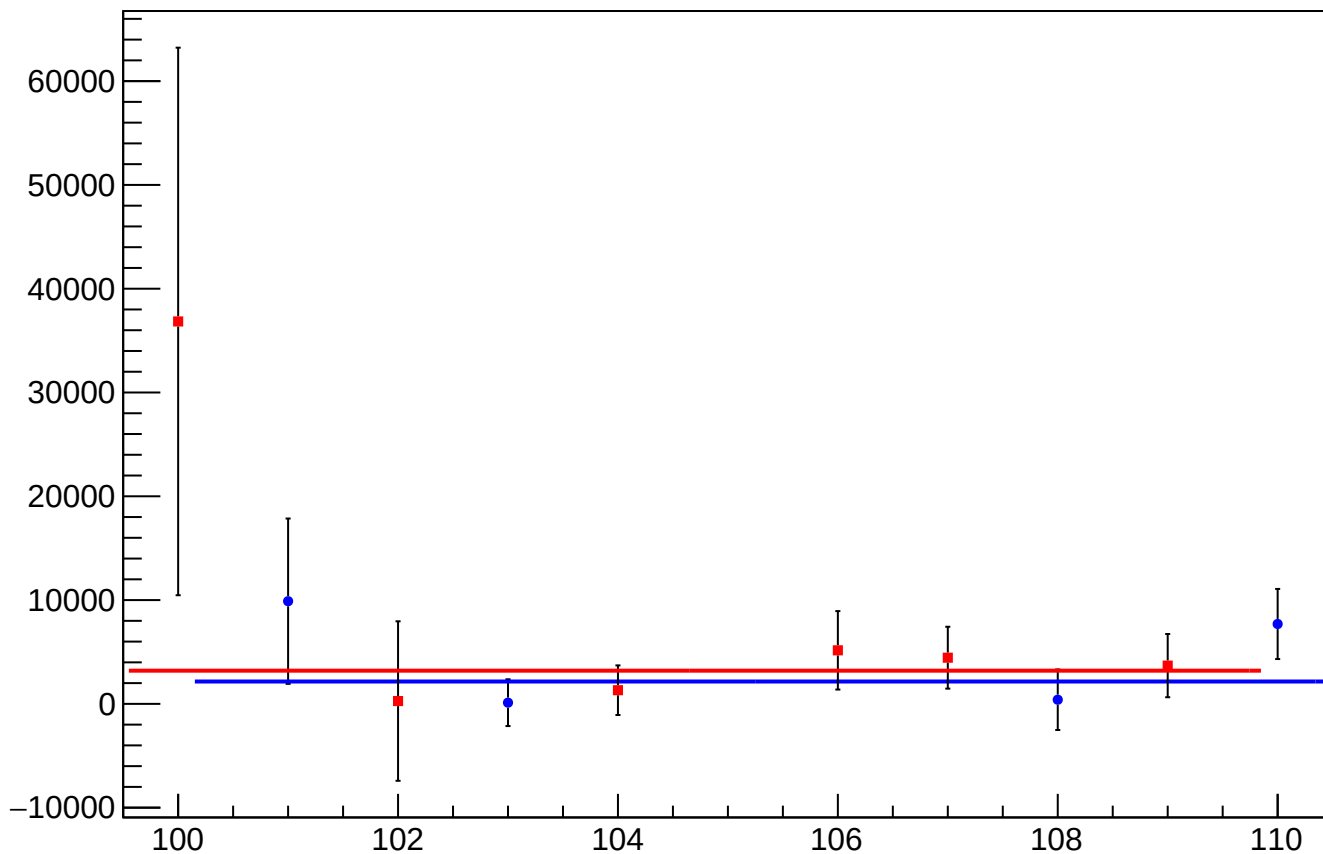
4097.891+/-2.226  $\chi^2/\text{NDF}$ : 287265.0/3

3552.596+/-1.319  $\chi^2/\text{NDF}$ : 695520.6/9

3257.771+/-1.637  $\chi^2/\text{NDF}$ : 315785.6/5



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



Right In: 2154.659+/-1546.950  $\chi^2/\text{NDF}$ : 4.8/3

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

Right Out: 3198.207+/-1437.891  $\chi^2/\text{NDF}$ : 2.9/5

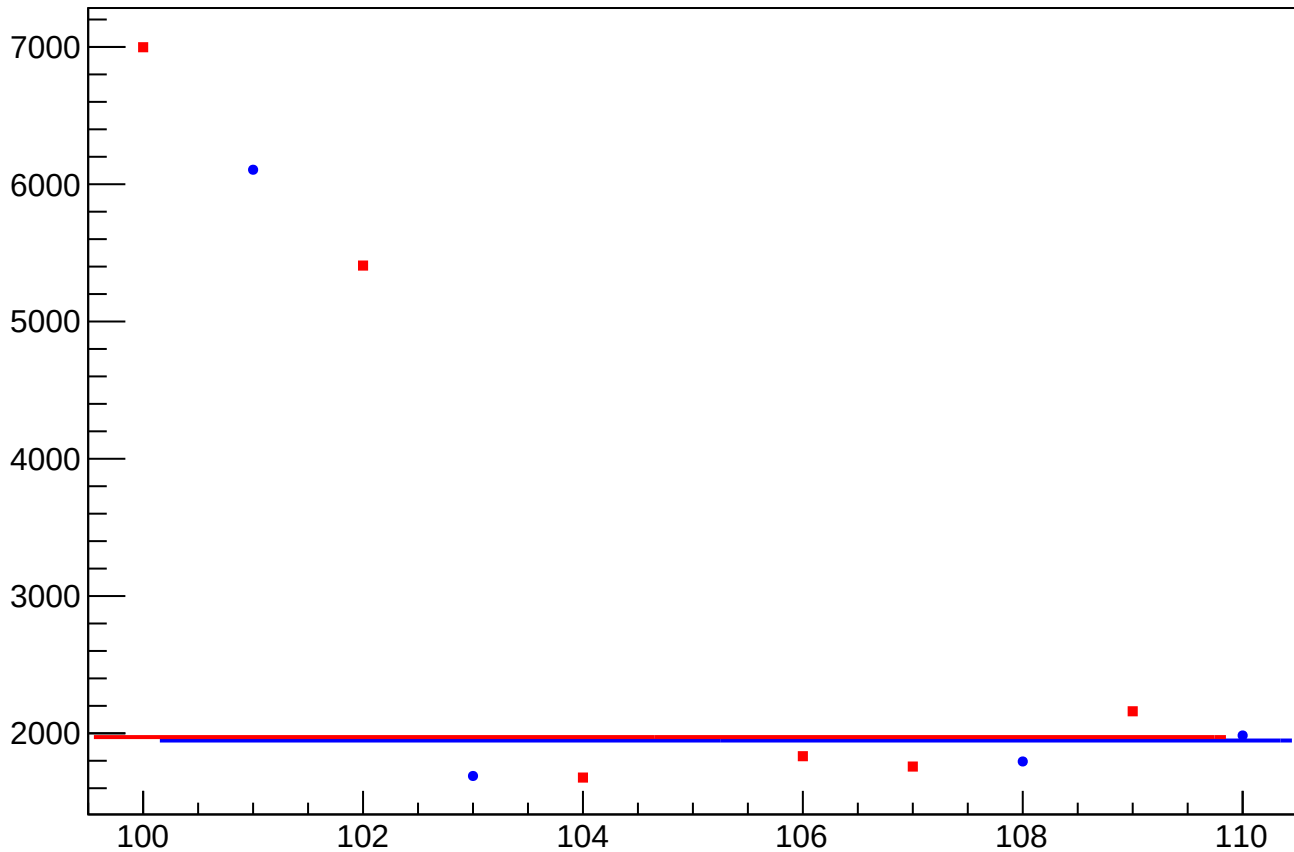
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2154.659+/-1546.950  $\chi^2/\text{NDF}$ : 4.8/3

2714.511+/-1053.189  $\chi^2/\text{NDF}$ : 7.9/9

3198.207+/-1437.891  $\chi^2/\text{NDF}$ : 2.9/5

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



Right In: 1947.483+/-1.094  $\chi^2/\text{NDF}$ : 577170.7/3

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

Right Out: 1972.555+/-1.016  $\chi^2/\text{NDF}$ : 523659.7/5

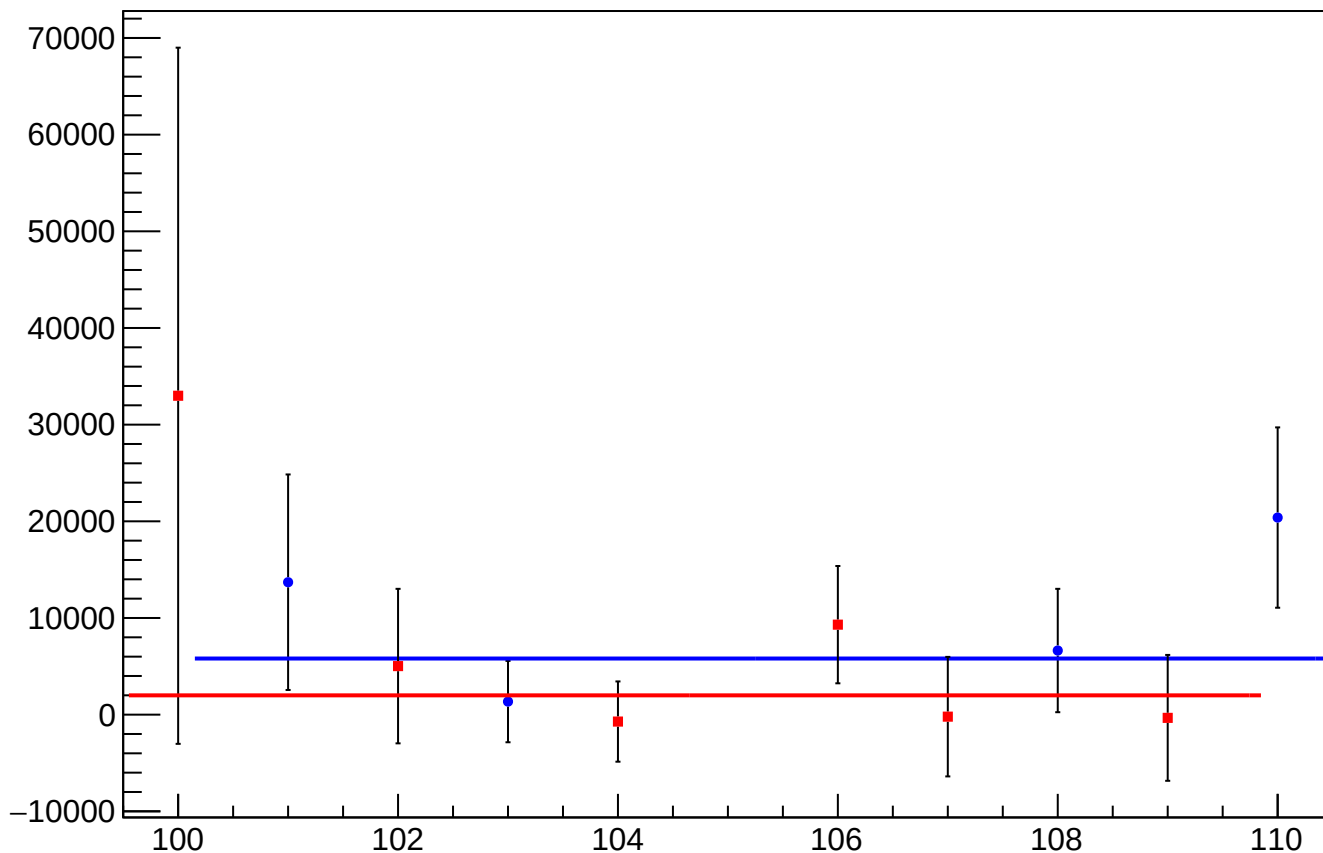
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1947.483+/-1.094  $\chi^2/\text{NDF}$ : 577170.7/3

1960.948+/-0.744  $\chi^2/\text{NDF}$ : 110112.5/9

1972.555+/-1.016  $\chi^2/\text{NDF}$ : 523659.7/5

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



Right In: 5806.073+/-3153.476  $\chi^2/\text{NDF}$ : 4.1/3

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

Right Out: 1996.694+/-2570.308  $\chi^2/\text{NDF}$ : 3.0/5

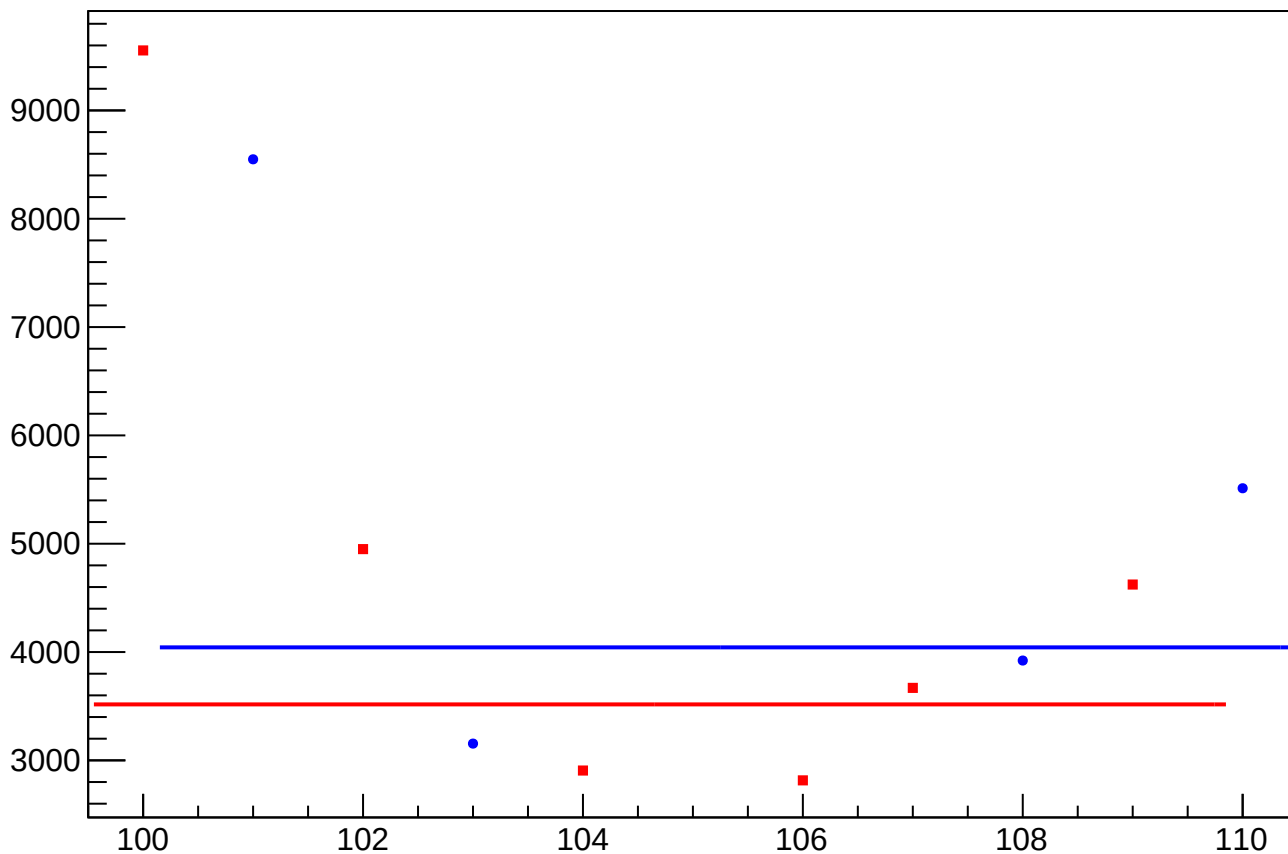
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5806.073+/-3153.476  $\chi^2/\text{NDF}$ : 4.1/3

3517.252+/-1992.342  $\chi^2/\text{NDF}$ : 8.0/9

1996.694+/-2570.308  $\chi^2/\text{NDF}$ : 3.0/5

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



Right In: 4043.154+/-2.230  $\chi^2/\text{NDF}$ : 466190.2/3

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

Right Out: 3516.646+/-1.794  $\chi^2/\text{NDF}$ : 253397.7/5

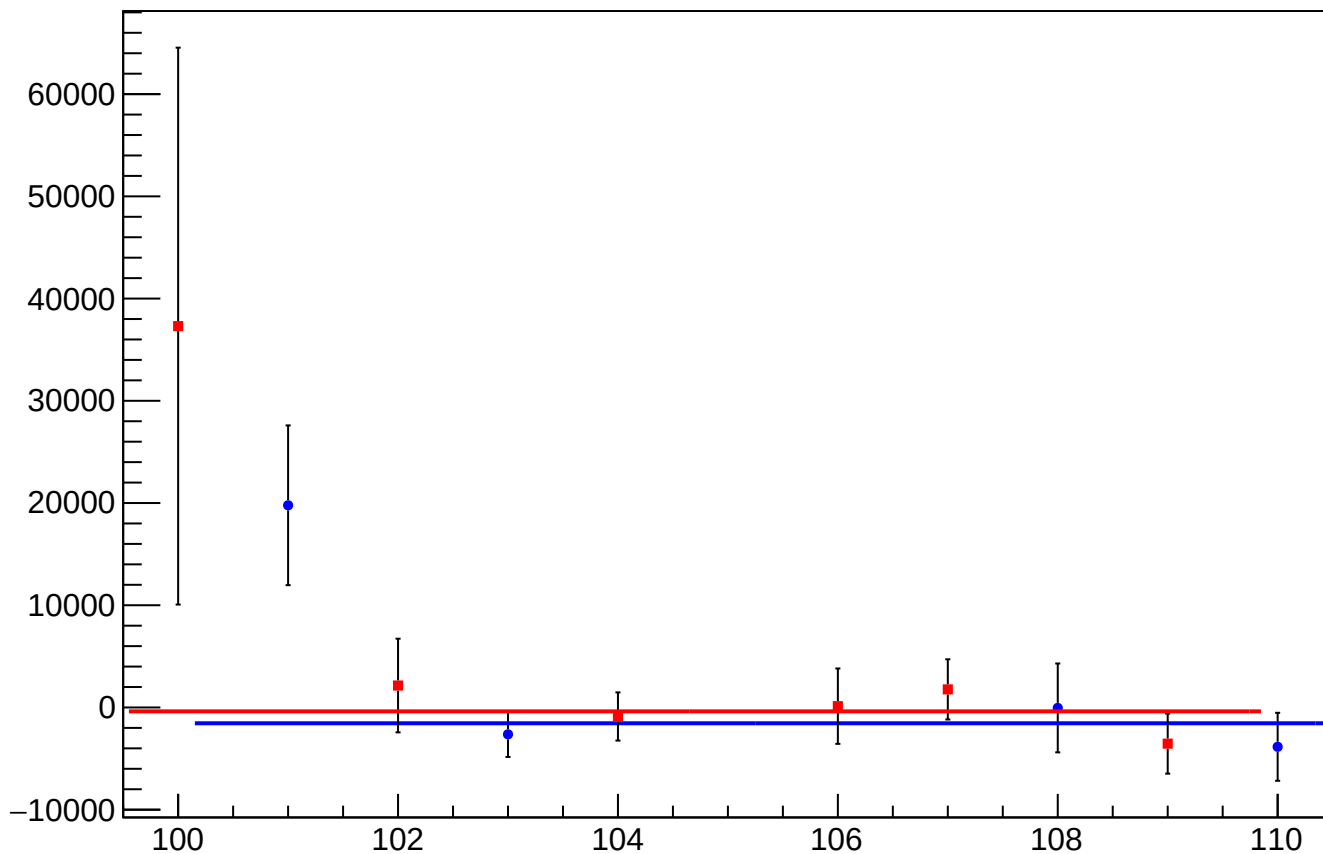
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4043.154+/-2.230  $\chi^2/\text{NDF}$ : 466190.2/3

3723.593+/-1.398  $\chi^2/\text{NDF}$ : 753426.4/9

3516.646+/-1.794  $\chi^2/\text{NDF}$ : 253397.7/5

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



Right In: -1546.009+/-1658.255  $\chi^2/\text{NDF}$ : 8.3/3

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

Right Out: -381.216+/-1368.631  $\chi^2/\text{NDF}$ : 4.0/5

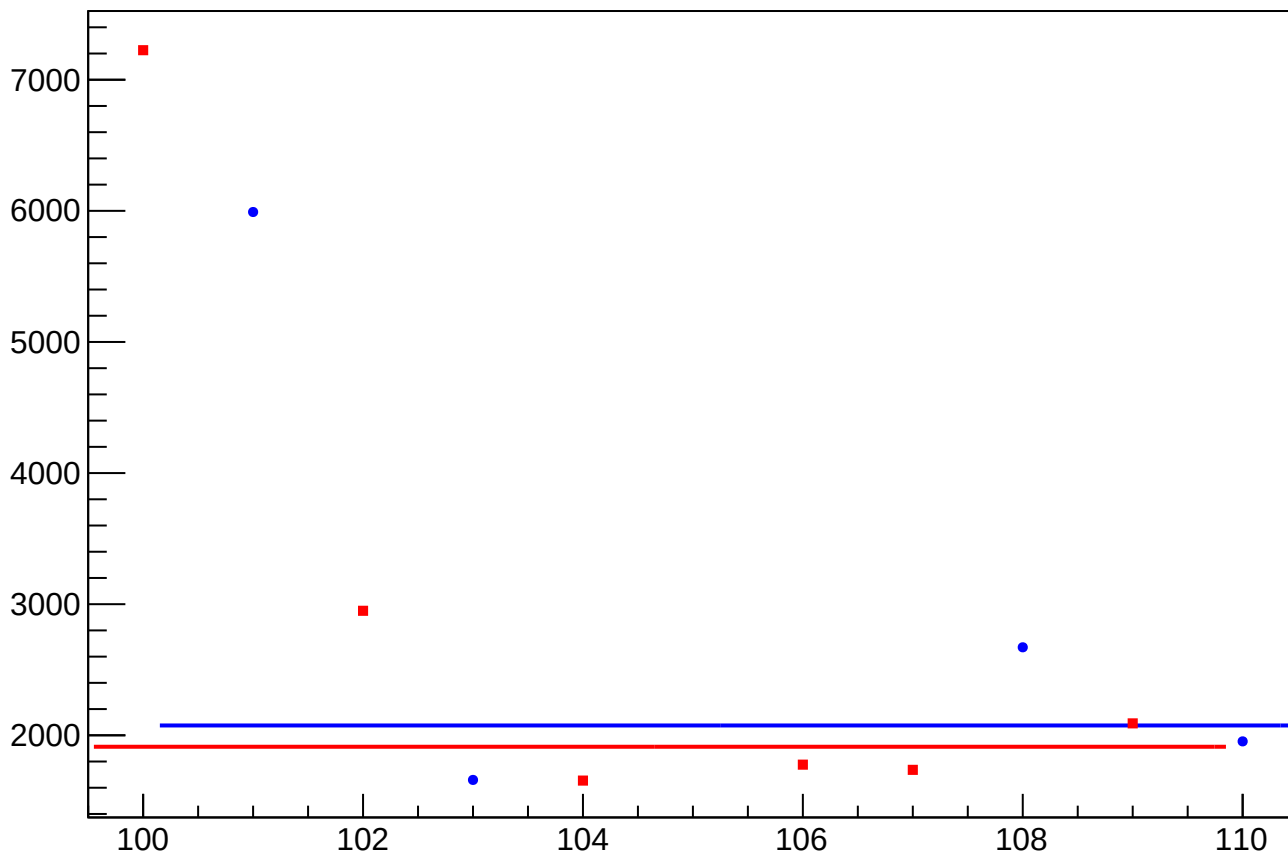
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1546.009+/-1658.255  $\chi^2/\text{NDF}$ : 8.3/3

-853.172+/-1055.547  $\chi^2/\text{NDF}$ : 12.6/9

-381.216+/-1368.631  $\chi^2/\text{NDF}$ : 4.0/5

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



Right In: 2074.970+/-1.173  $\chi^2/\text{NDF}$ : 612943.8/3

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

Right Out: 1912.659+/-0.964  $\chi^2/\text{NDF}$ : 219961.6/5

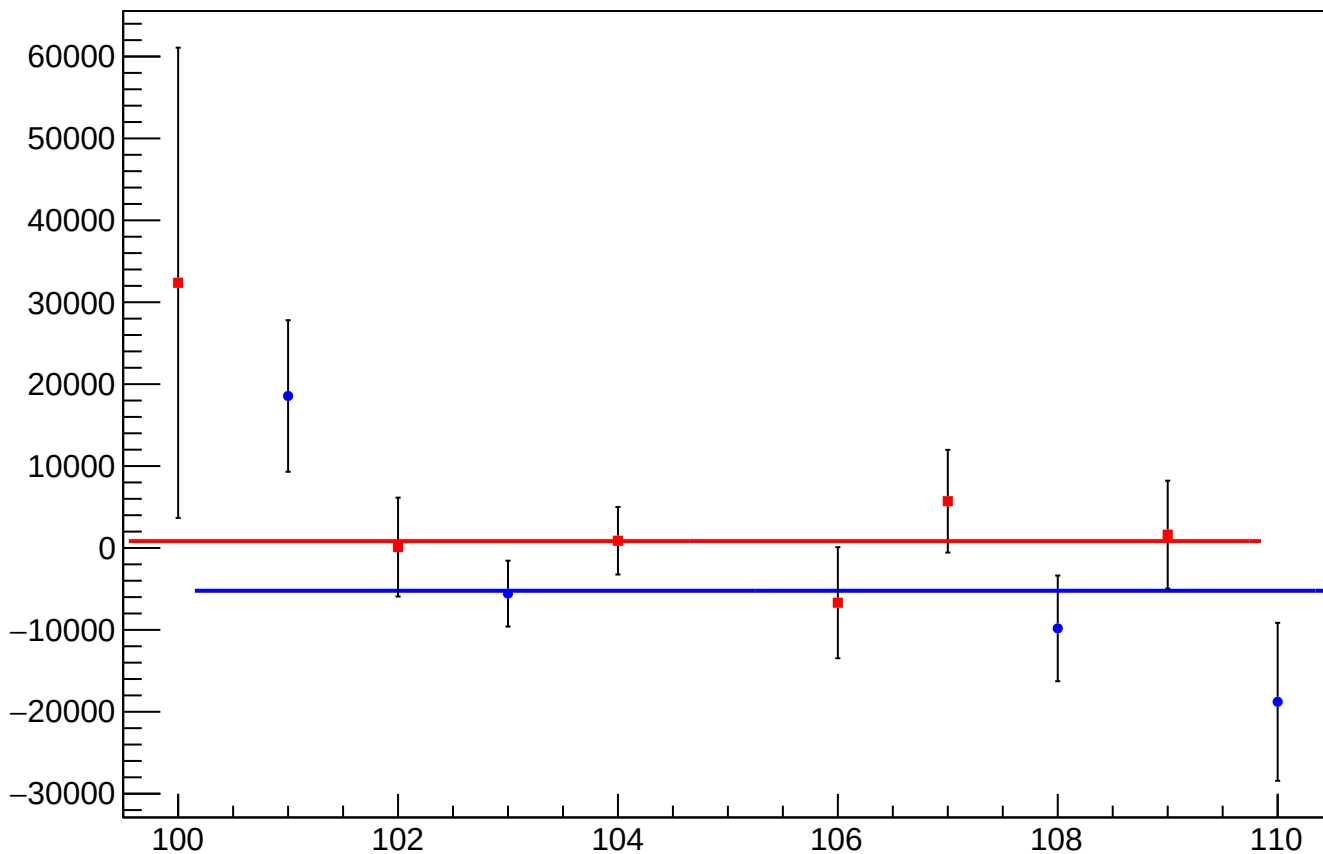
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2074.970+/-1.173  $\chi^2/\text{NDF}$ : 612943.8/3

1978.156+/-0.745  $\chi^2/\text{NDF}$ : 844334.7/9

1912.659+/-0.964  $\chi^2/\text{NDF}$ : 219961.6/5

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



Right In: -5224.950+/-3038.052  $\chi^2/\text{NDF}$ : 9.1/3

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

Right Out: 835.122+/-2517.999  $\chi^2/\text{NDF}$ : 3.1/5

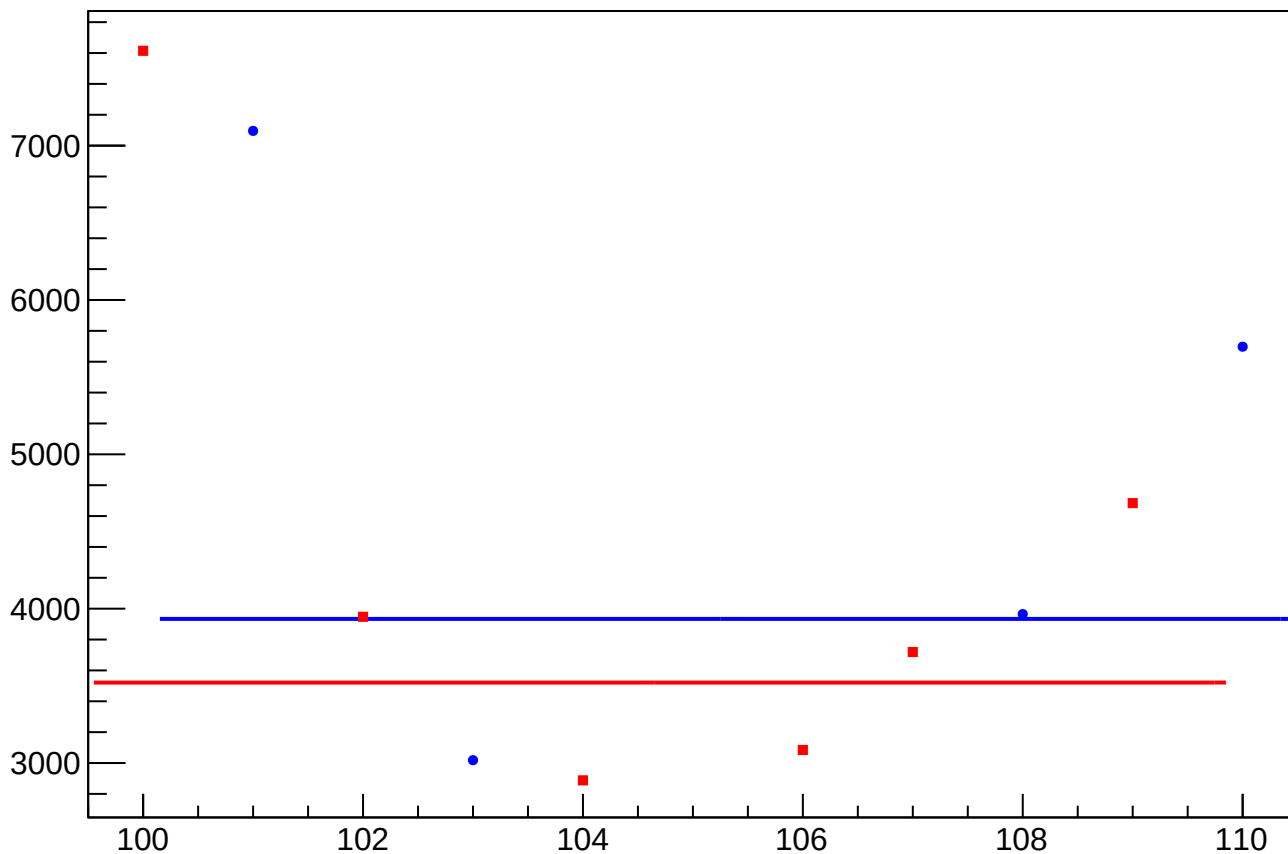
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-5224.950+/-3038.052  $\chi^2/\text{NDF}$ : 9.1/3

-1632.611+/-1938.676  $\chi^2/\text{NDF}$ : 14.5/9

835.122+/-2517.999  $\chi^2/\text{NDF}$ : 3.1/5

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



Right In: 3933.757+/-2.148  $\chi^2/\text{NDF}$ : 404170.6/3

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

Right Out: 3521.368+/-1.759  $\chi^2/\text{NDF}$ : 171883.5/5

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

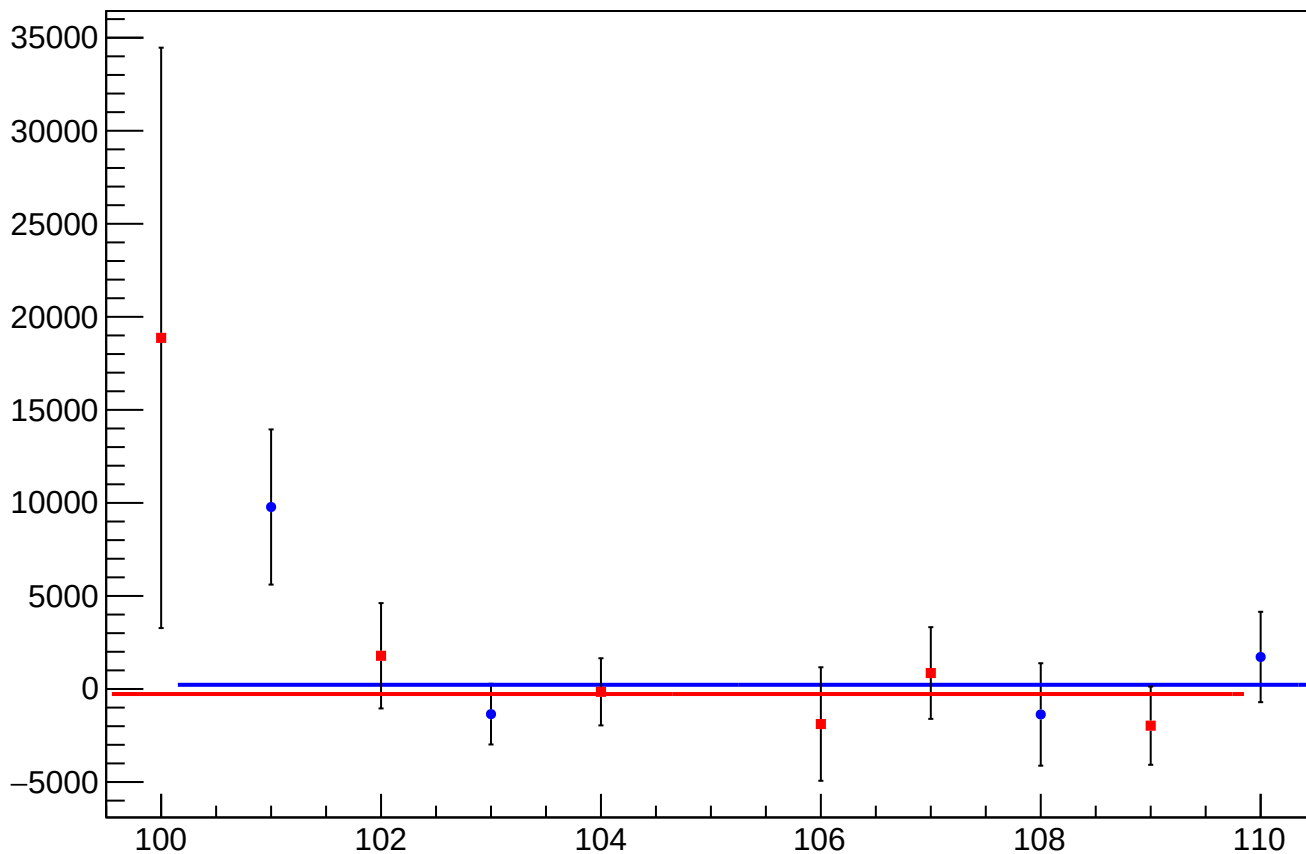
3933.757+/-2.148  $\chi^2/\text{NDF}$ : 404170.6/3

3686.863+/-1.361  $\chi^2/\text{NDF}$ : 598116.8/9

3521.368+/-1.759  $\chi^2/\text{NDF}$ : 171883.5/5



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



Right In: 225.172+/-1166.448  $\chi^2/\text{NDF}$ : 6.9/3

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

Right Out: -270.793+/-1034.582  $\chi^2/\text{NDF}$ : 3.2/5

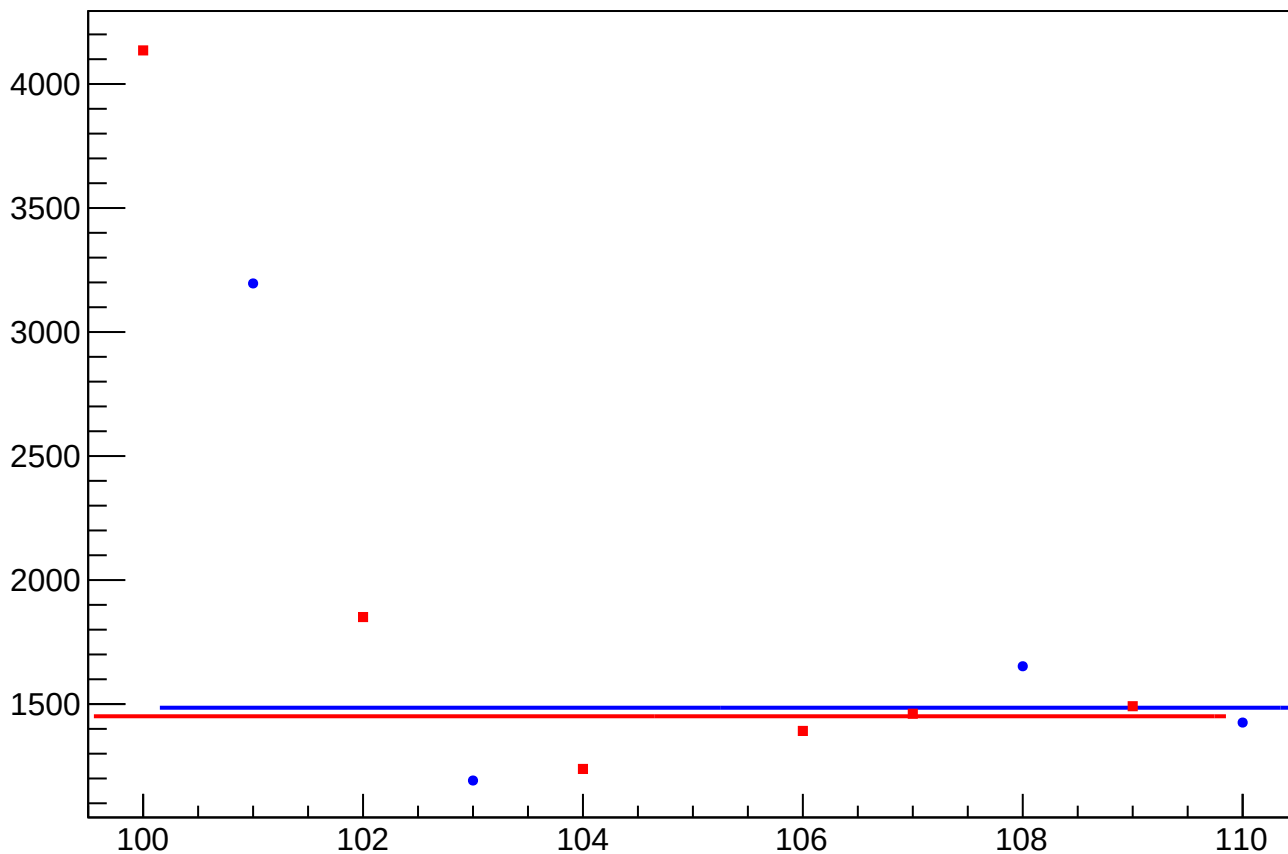
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

225.172+/-1166.448  $\chi^2/\text{NDF}$ : 6.9/3

-52.418+/-774.001  $\chi^2/\text{NDF}$ : 10.2/9

-270.793+/-1034.582  $\chi^2/\text{NDF}$ : 3.2/5

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



Right In: 1485.296 $\pm$ 0.825  $\chi^2$ /NDF: 409975.5/3

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

Right Out: 1450.823 $\pm$ 0.730  $\chi^2$ /NDF: 128502.1/5

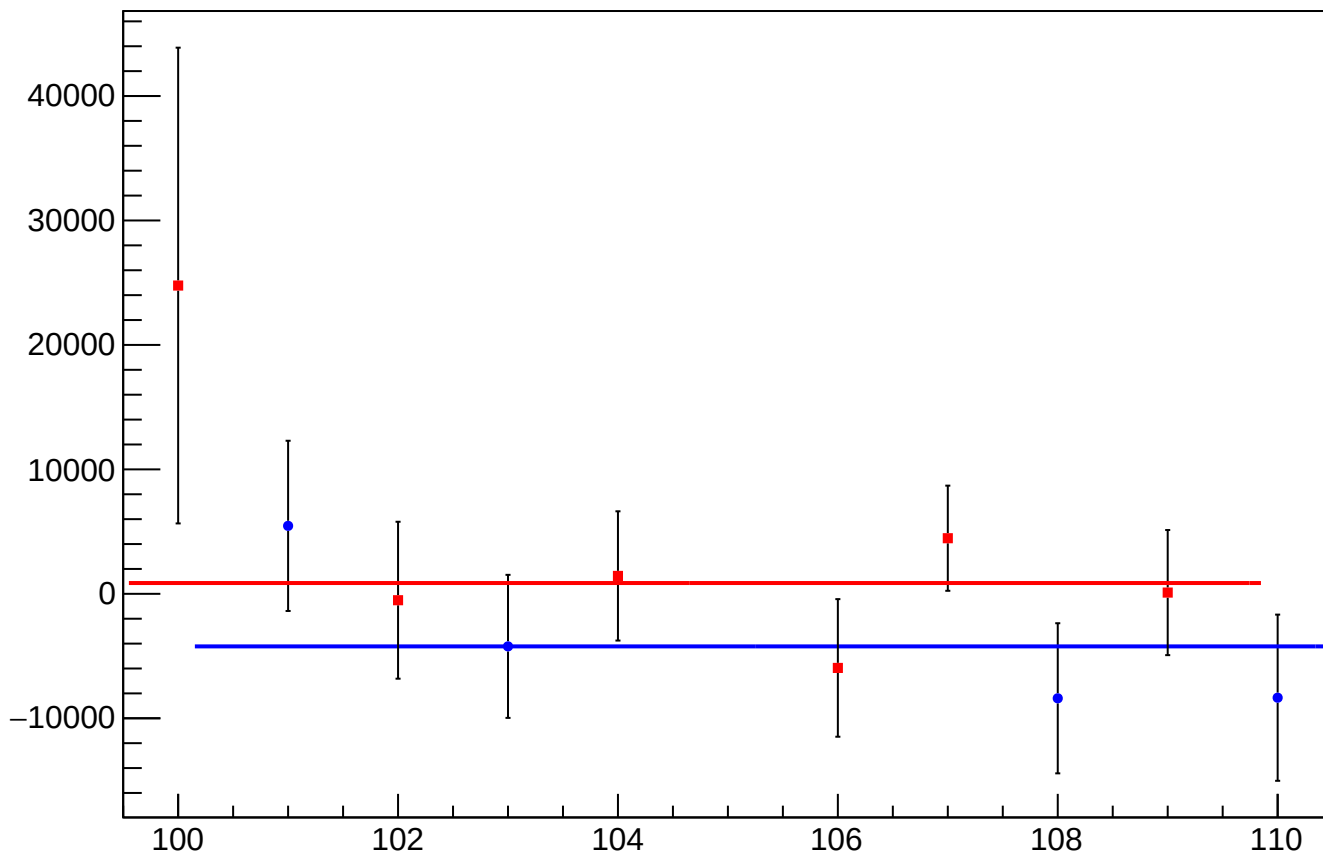
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1485.296 $\pm$ 0.825  $\chi^2$ /NDF: 409975.5/3

1465.966 $\pm$ 0.547  $\chi^2$ /NDF: 539457.2/9

1450.823 $\pm$ 0.730  $\chi^2$ /NDF: 128502.1/5

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



Right In: -4223.680+/-3137.505  $\chi^2/\text{NDF}$ : 2.9/3

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

Right Out: 867.865+/-2274.596  $\chi^2/\text{NDF}$ : 3.9/5

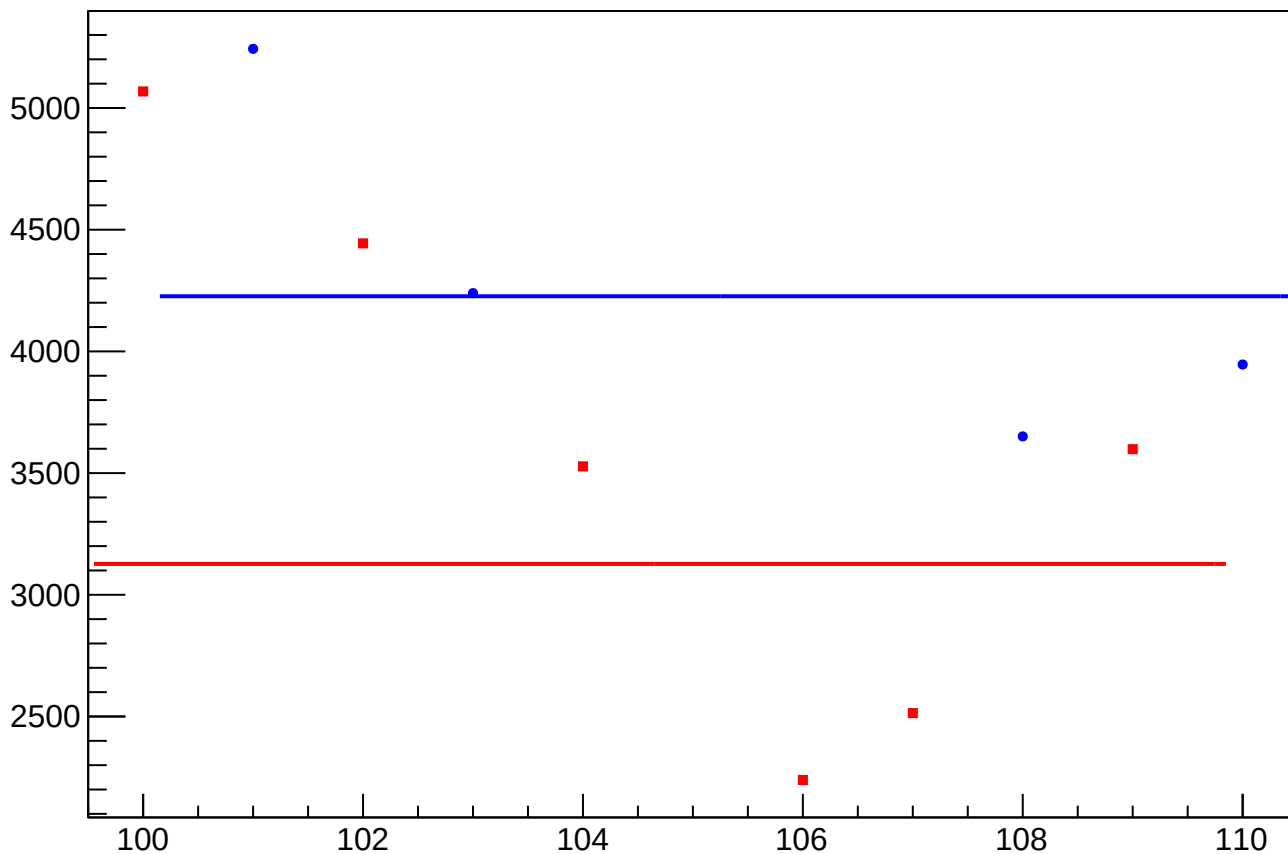
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4223.680+/-3137.505  $\chi^2/\text{NDF}$ : 2.9/3

-886.234+/-1841.563  $\chi^2/\text{NDF}$ : 8.5/9

867.865+/-2274.596  $\chi^2/\text{NDF}$ : 3.9/5

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



Right In: 4226.599+/-2.218  $\chi^2/\text{NDF}$ : 65950.3/3

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

Right Out: 3126.925+/-1.570  $\chi^2/\text{NDF}$ : 246289.1/5

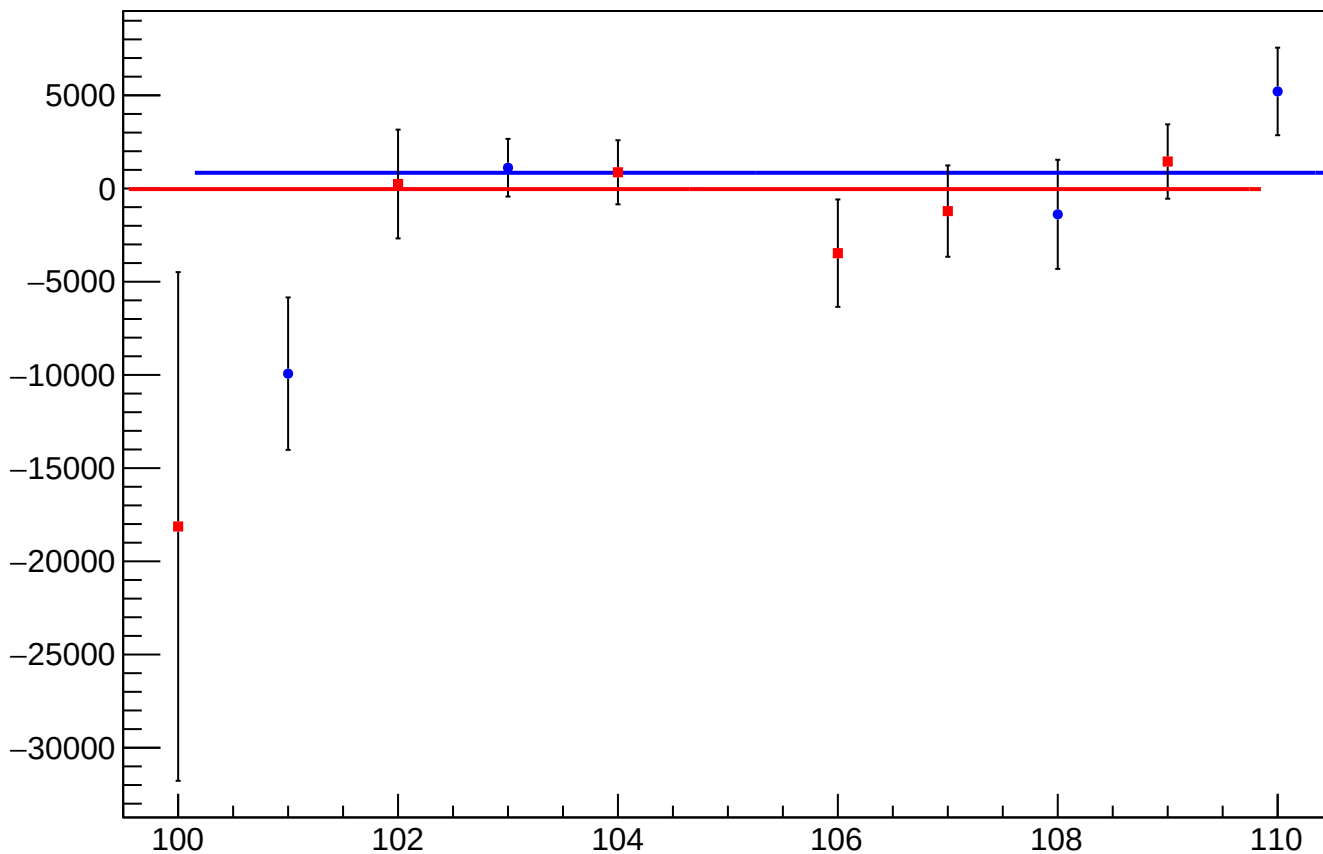
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4226.599+/-2.218  $\chi^2/\text{NDF}$ : 65950.3/3

3493.774+/-1.281  $\chi^2/\text{NDF}$ : 476005.5/9

3126.925+/-1.570  $\chi^2/\text{NDF}$ : 246289.1/5

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



Right In: 844.399+/-1135.099  $\chi^2/\text{NDF}$ : 11.0/3

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

Right Out: -30.611+/-1000.235  $\chi^2/\text{NDF}$ : 4.2/5

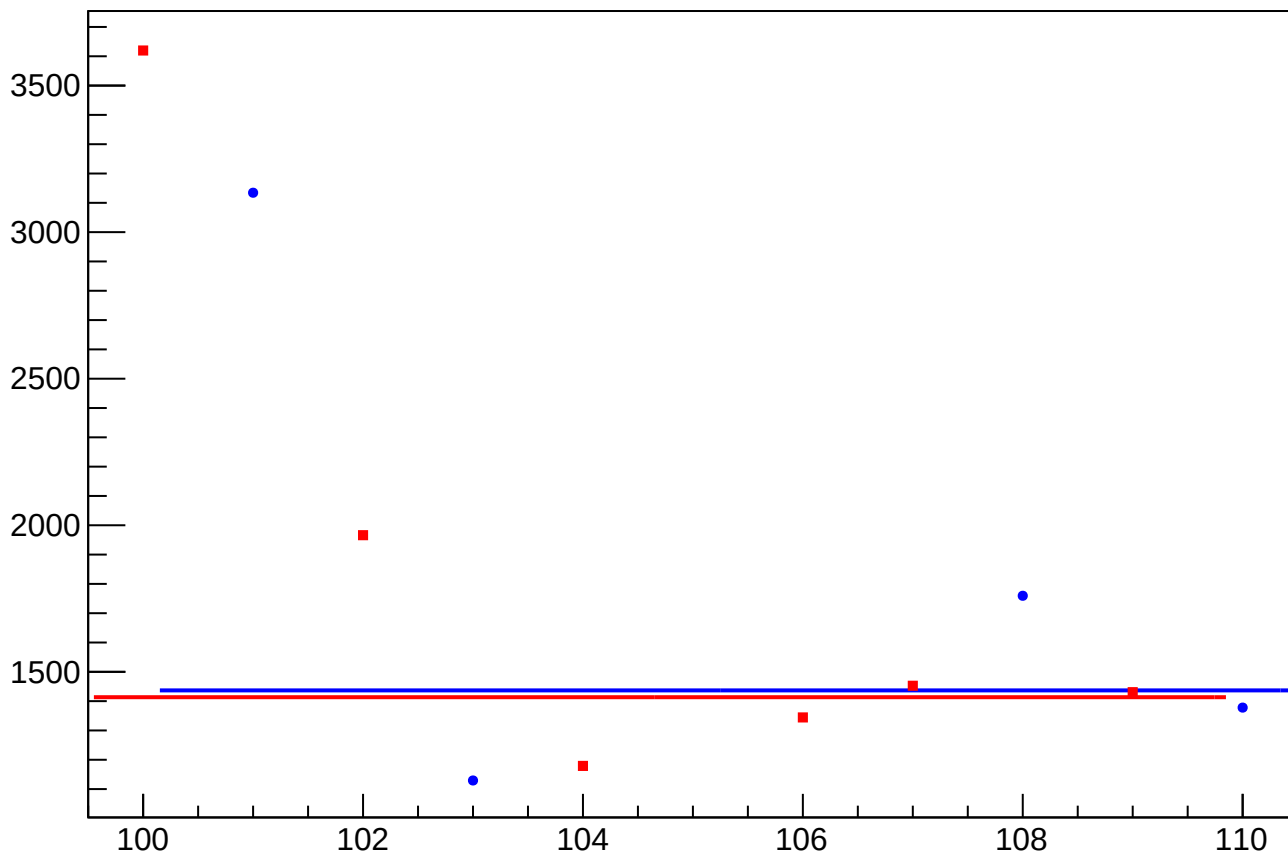
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

844.399+/-1135.099  $\chi^2/\text{NDF}$ : 11.0/3

351.850+/-750.448  $\chi^2/\text{NDF}$ : 15.6/9

-30.611+/-1000.235  $\chi^2/\text{NDF}$ : 4.2/5

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



Right In: 1436.674+/-0.803  $\chi^2/\text{NDF}$ : 449401.6/3

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

Right Out: 1413.427+/-0.707  $\chi^2/\text{NDF}$ : 163020.7/5

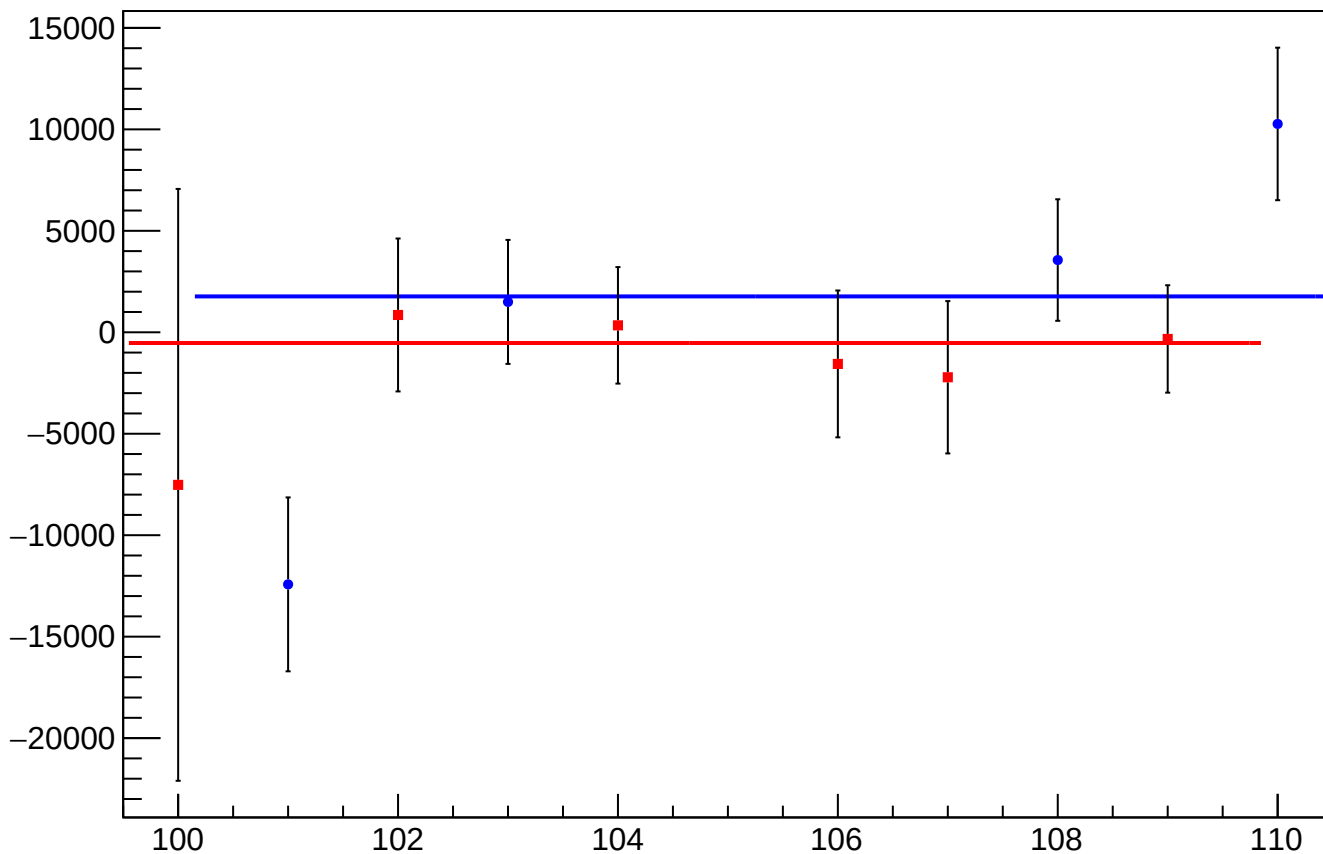
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1436.674+/-0.803  $\chi^2/\text{NDF}$ : 449401.6/3

1423.588+/-0.531  $\chi^2/\text{NDF}$ : 612894.5/9

1413.427+/-0.707  $\chi^2/\text{NDF}$ : 163020.7/5

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



Right In: 1767.704+/-1705.062  $\chi^2/\text{NDF}$ : 16.4/3

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

Right Out: -528.298+/-1433.530  $\chi^2/\text{NDF}$ : 0.7/5

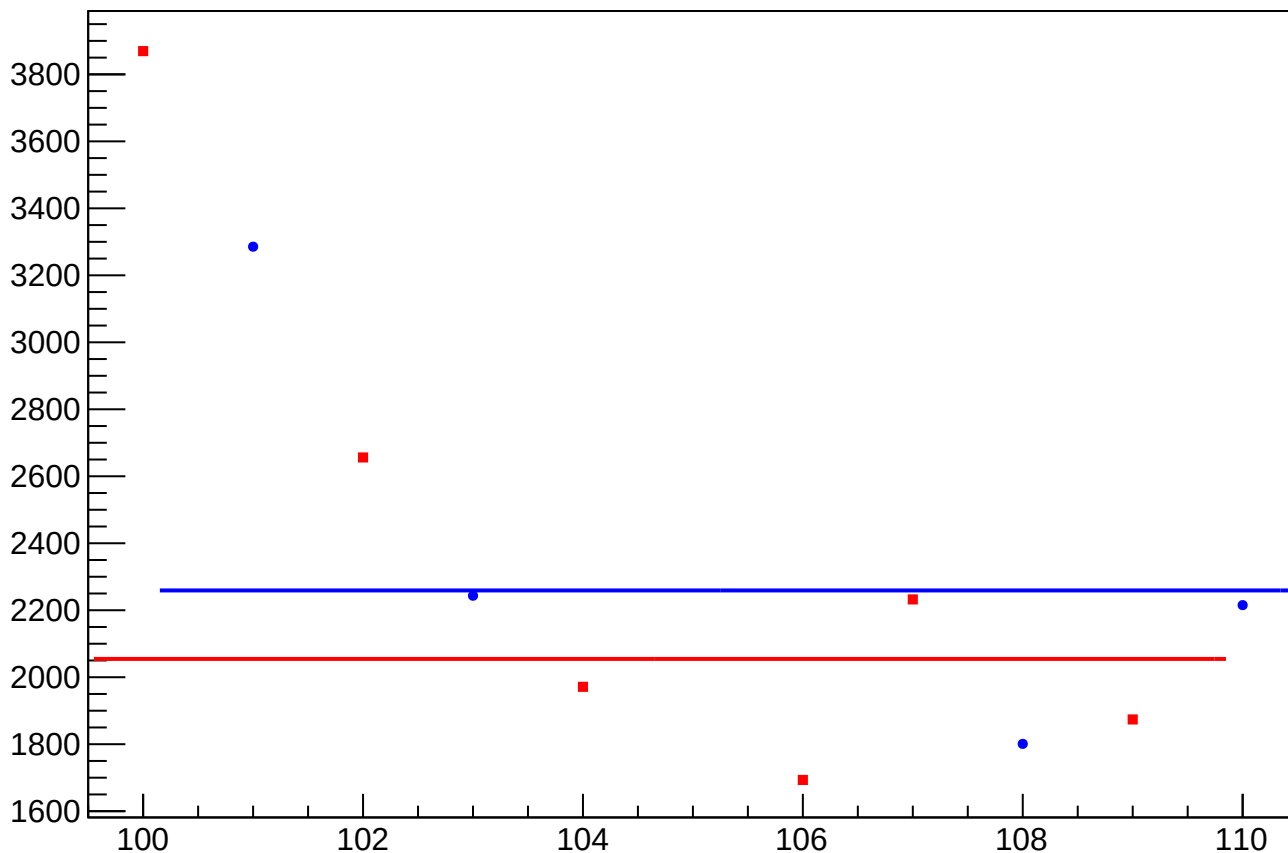
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1767.704+/-1705.062  $\chi^2/\text{NDF}$ : 16.4/3

422.542+/-1097.256  $\chi^2/\text{NDF}$ : 18.3/9

-528.298+/-1433.530  $\chi^2/\text{NDF}$ : 0.7/5

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



Right In: 2259.092 $\pm$ 1.206  $\chi^2$ /NDF: 161895.4/3

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

Right Out: 2054.643 $\pm$ 1.014  $\chi^2$ /NDF: 117410.7/5

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

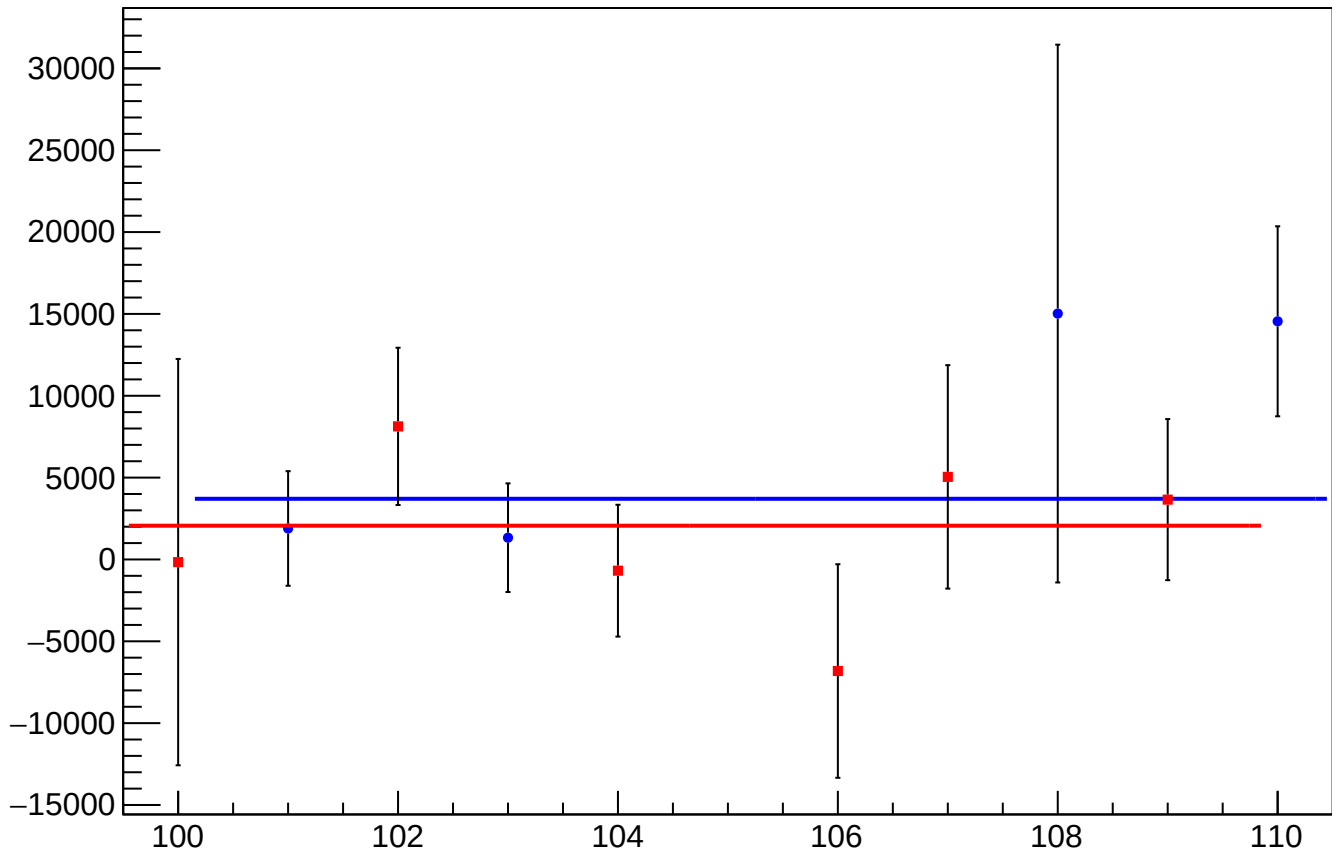
2259.092 $\pm$ 1.206  $\chi^2$ /NDF: 161895.4/3

2139.309 $\pm$ 0.776  $\chi^2$ /NDF: 296154.4/9

2054.643 $\pm$ 1.014  $\chi^2$ /NDF: 117410.7/5



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



Right In: 3706.119 $\pm$ 2204.253  $\chi^2$ /NDF: 4.7/3

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

Right Out: 2062.499 $\pm$ 2248.905  $\chi^2$ /NDF: 4.2/5

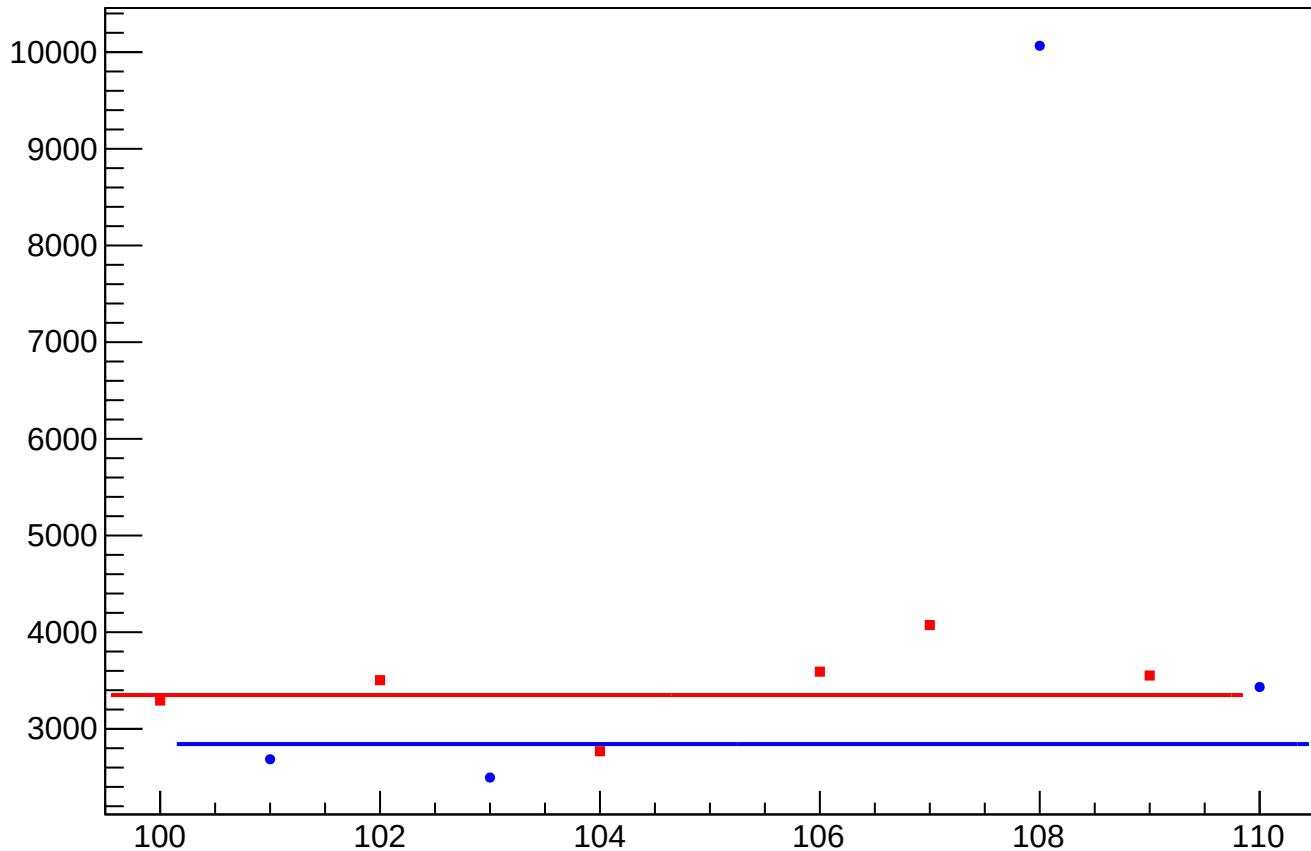
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

3706.119 $\pm$ 2204.253  $\chi^2$ /NDF: 4.7/3

2900.788 $\pm$ 1574.191  $\chi^2$ /NDF: 9.3/9

2062.499 $\pm$ 2248.905  $\chi^2$ /NDF: 4.2/5

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



Right In: 2842.979+/-1.559  $\chi^2/\text{NDF}$ : 433139.2/3

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

Right Out: 3350.155+/-1.590  $\chi^2/\text{NDF}$ : 72388.8/5

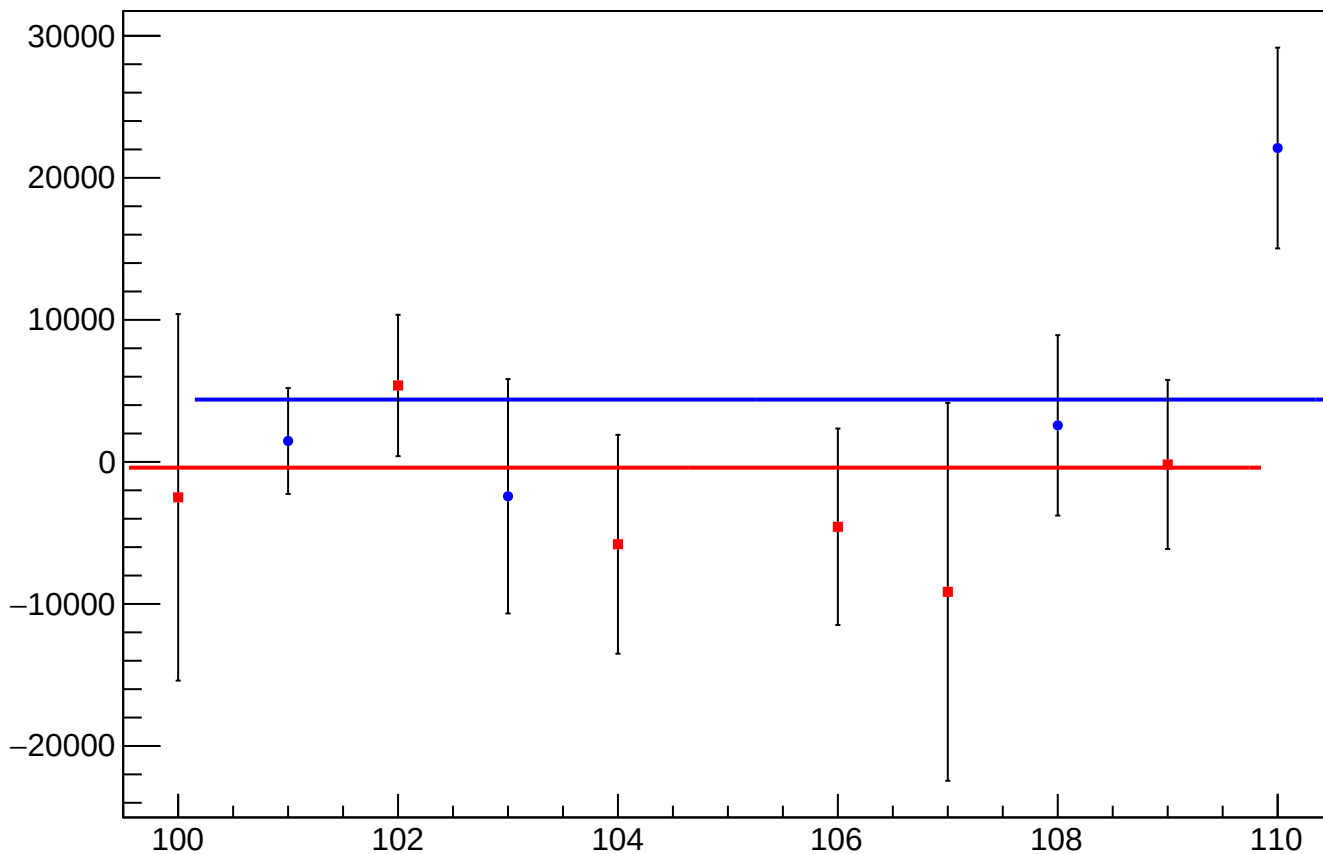
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2842.979+/-1.559  $\chi^2/\text{NDF}$ : 433139.2/3

3091.482+/-1.113  $\chi^2/\text{NDF}$ : 557407.7/9

3350.155+/-1.590  $\chi^2/\text{NDF}$ : 72388.8/5

# asym\_atl1\_mean vs Slug, Sign Corrected



Right In: 4390.122+/-2759.244  $\chi^2/\text{NDF}$ : 7.7/3

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

Right Out: -403.614+/-2911.151  $\chi^2/\text{NDF}$ : 2.7/5

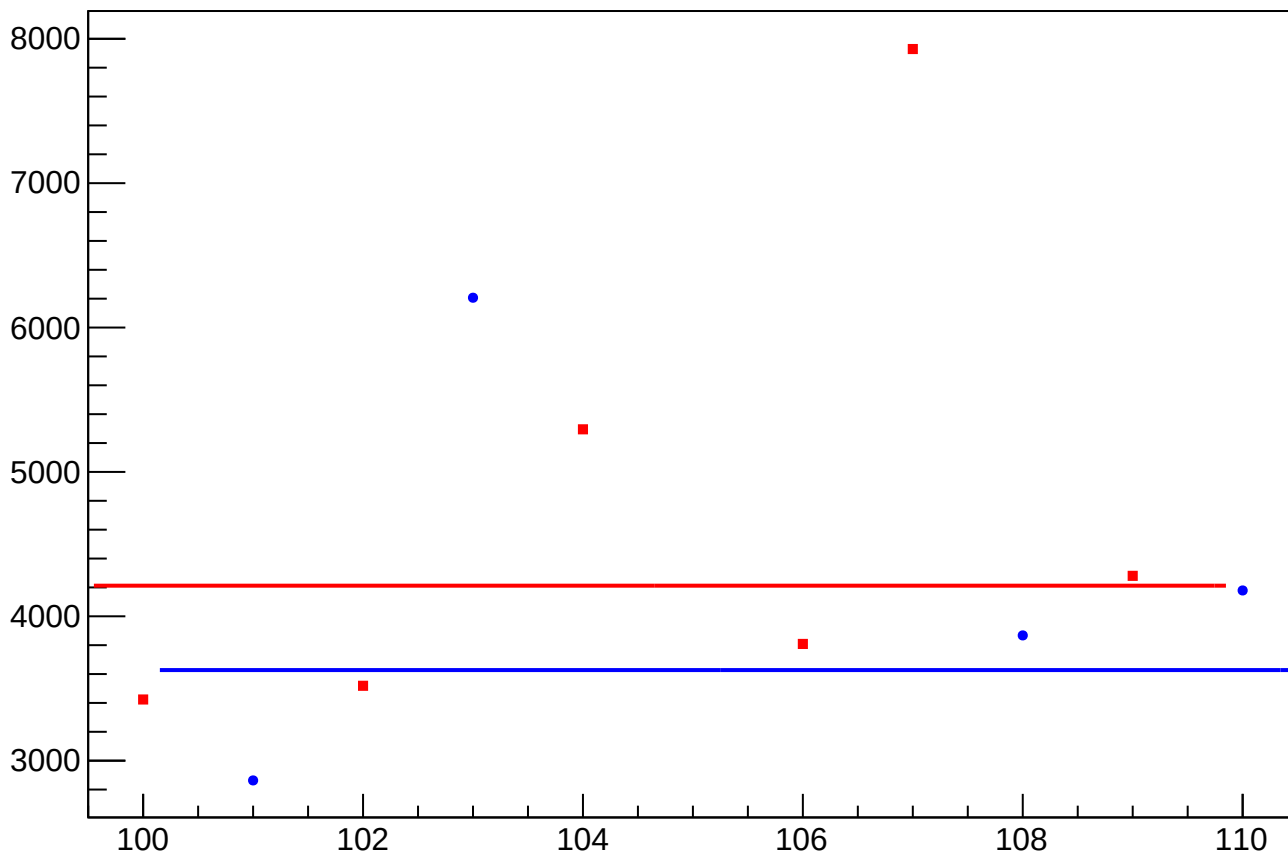
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4390.122+/-2759.244  $\chi^2/\text{NDF}$ : 7.7/3

2121.584+/-2002.630  $\chi^2/\text{NDF}$ : 11.7/9

-403.614+/-2911.151  $\chi^2/\text{NDF}$ : 2.7/5

# asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 3627.556 $\pm$ 1.951  $\chi^2$ /NDF: 294423.0/3

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

Right Out: 4212.123 $\pm$ 2.058  $\chi^2$ /NDF: 248949.3/5

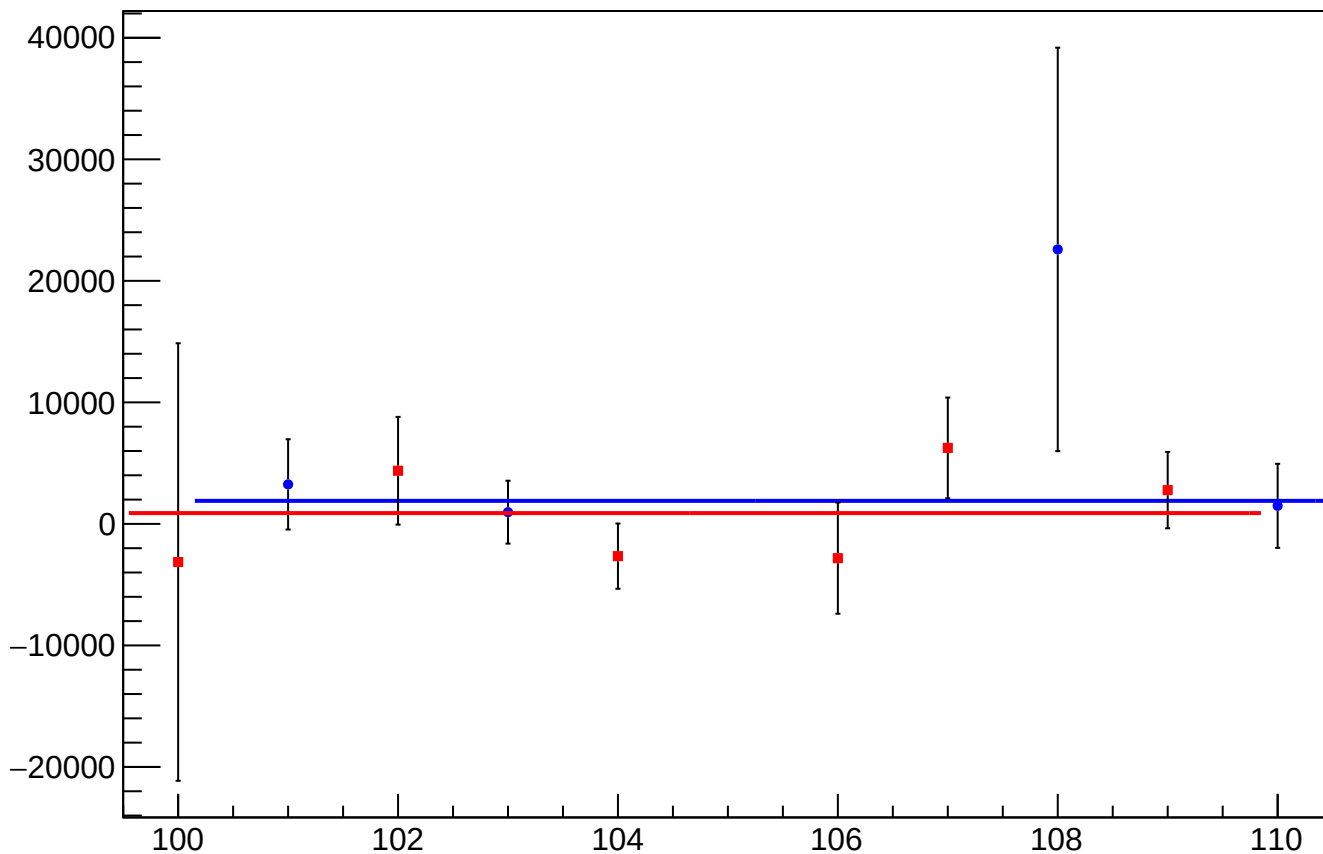
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

3627.556 $\pm$ 1.951  $\chi^2$ /NDF: 294423.0/3

3904.190 $\pm$ 1.416  $\chi^2$ /NDF: 585852.8/9

4212.123 $\pm$ 2.058  $\chi^2$ /NDF: 248949.3/5

# dit\_asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 1896.750+/-1798.293  $\chi^2/\text{NDF}$ : 1.8/3

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

Right Out: 889.899+/-1581.193  $\chi^2/\text{NDF}$ : 5.1/5

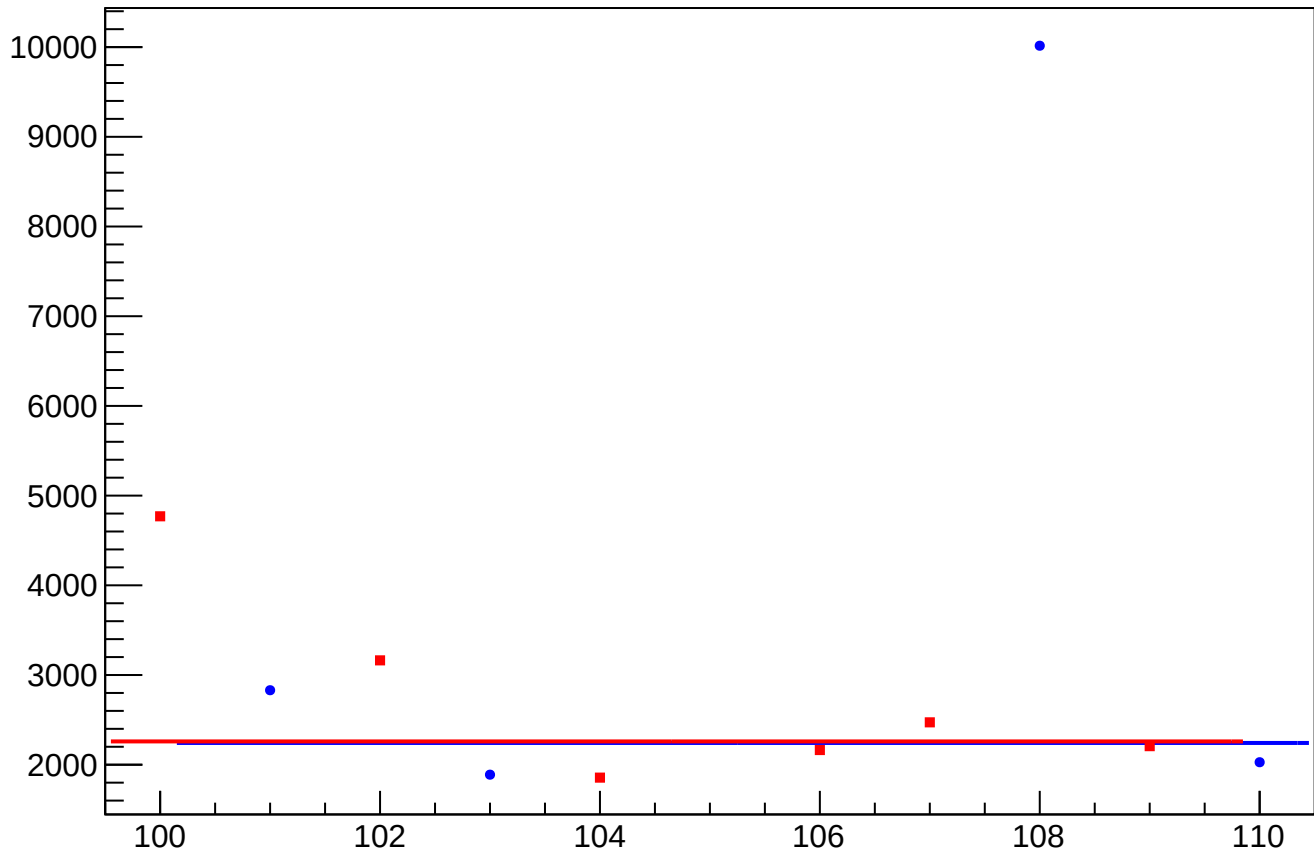
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1896.750+/-1798.293  $\chi^2/\text{NDF}$ : 1.8/3

1328.910+/-1187.450  $\chi^2/\text{NDF}$ : 7.1/9

889.899+/-1581.193  $\chi^2/\text{NDF}$ : 5.1/5

# dit\_asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 2242.609+/-1.272  $\chi^2/\text{NDF}$ : 533751.8/3

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

Right Out: 2259.731+/-1.115  $\chi^2/\text{NDF}$ : 173933.8/5

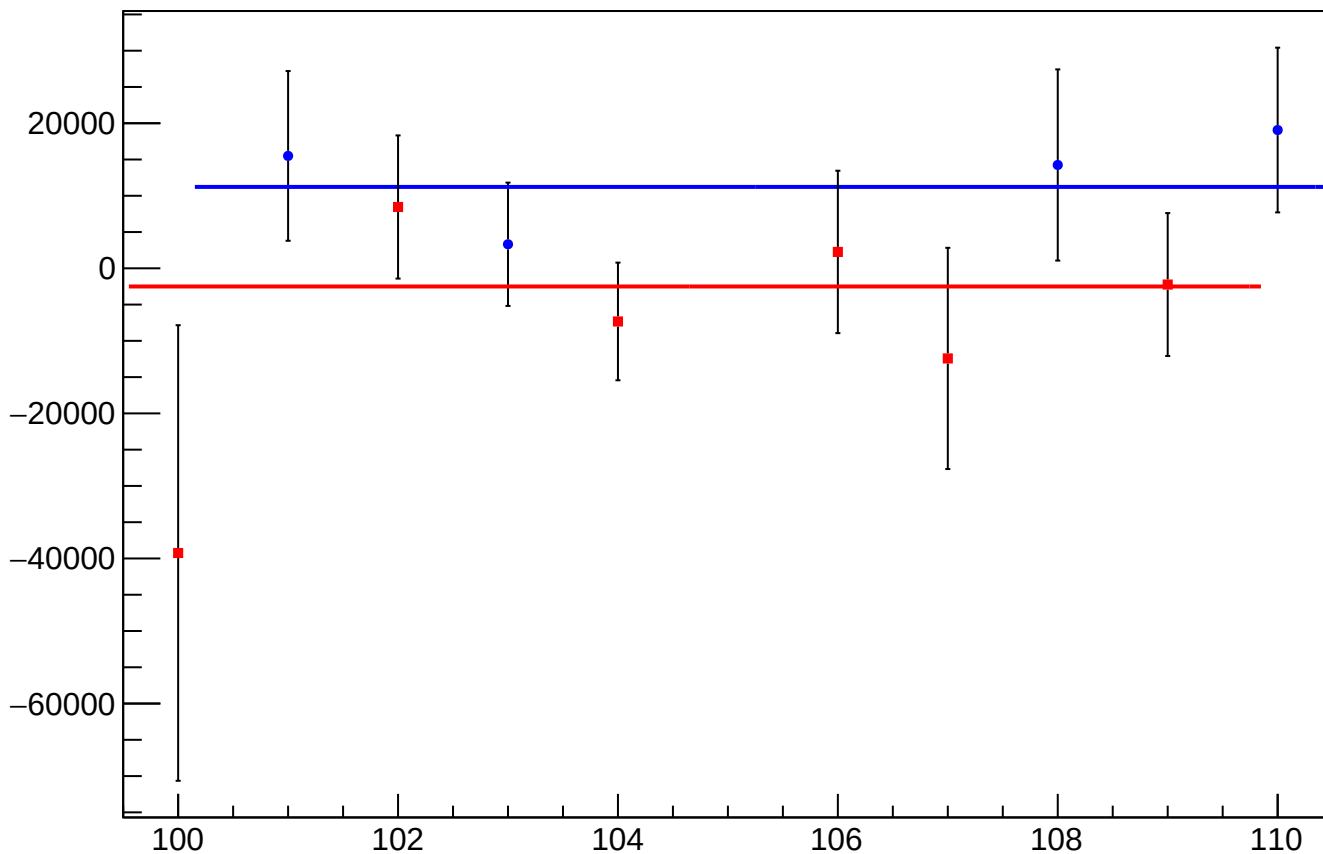
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2242.609+/-1.272  $\chi^2/\text{NDF}$ : 533751.8/3

2252.286+/-0.838  $\chi^2/\text{NDF}$ : 707788.1/9

2259.731+/-1.115  $\chi^2/\text{NDF}$ : 173933.8/5

# asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 11222.568 $\pm$ 5371.156  $\chi^2$ /NDF: 1.5/3

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

Right Out: -2503.572 $\pm$ 4514.486  $\chi^2$ /NDF: 3.6/5

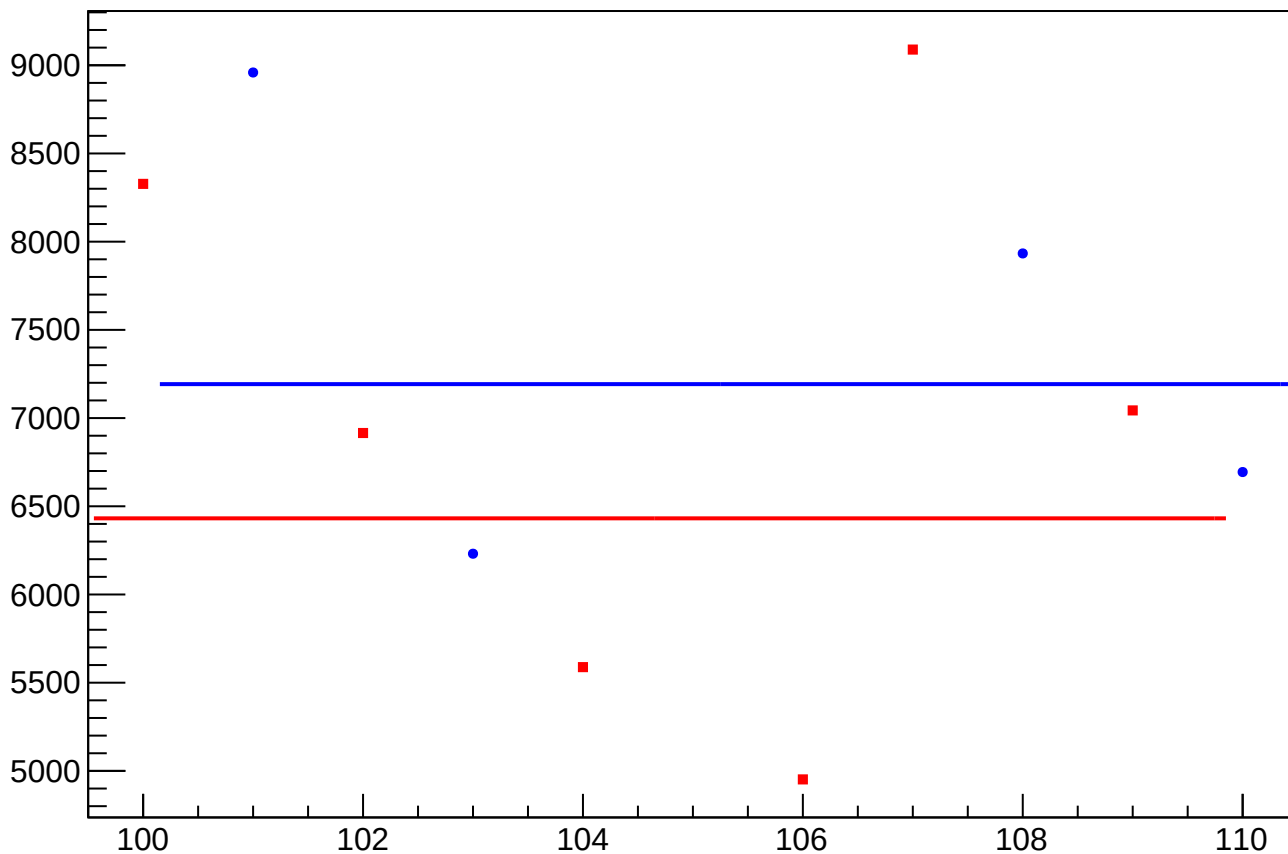
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

11222.568 $\pm$ 5371.156  $\chi^2$ /NDF: 1.5/3

3178.883 $\pm$ 3455.903  $\chi^2$ /NDF: 8.9/9

-2503.572 $\pm$ 4514.486  $\chi^2$ /NDF: 3.6/5

# asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 7192.451+/-3.798  $\chi^2/\text{NDF}$ : 81363.1/3

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

Right Out: 6431.621+/-3.192  $\chi^2/\text{NDF}$ : 137131.0/5

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

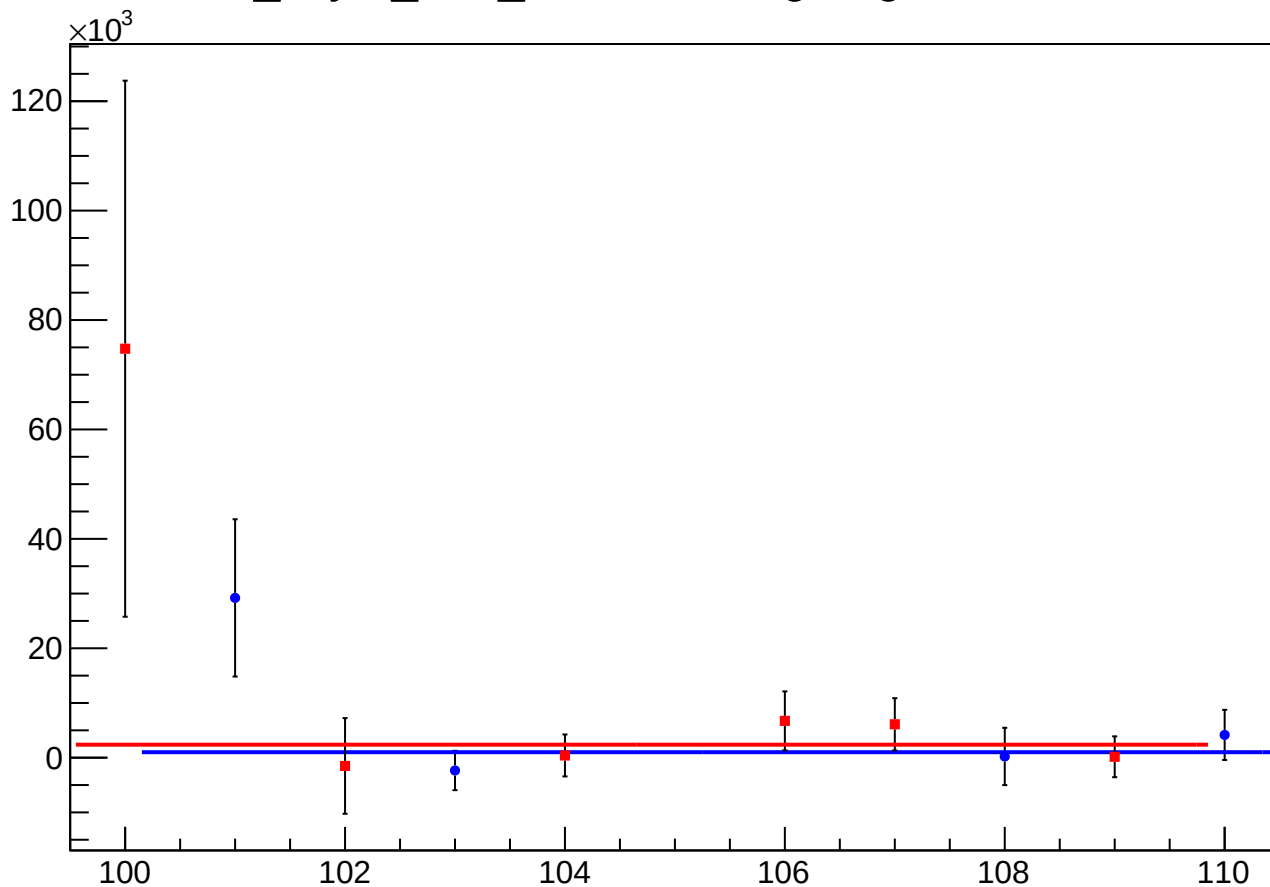
7192.451+/-3.798  $\chi^2/\text{NDF}$ : 81363.1/3

6746.544+/-2.443  $\chi^2/\text{NDF}$ : 242014.5/9

6431.621+/-3.192  $\chi^2/\text{NDF}$ : 137131.0/5



# dit\_asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 1002.539 $\pm$ 2452.752  $\chi^2/\text{NDF}$ : 5.2/3

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

Right Out: 2378.168 $\pm$ 2078.644  $\chi^2/\text{NDF}$ : 4.3/5

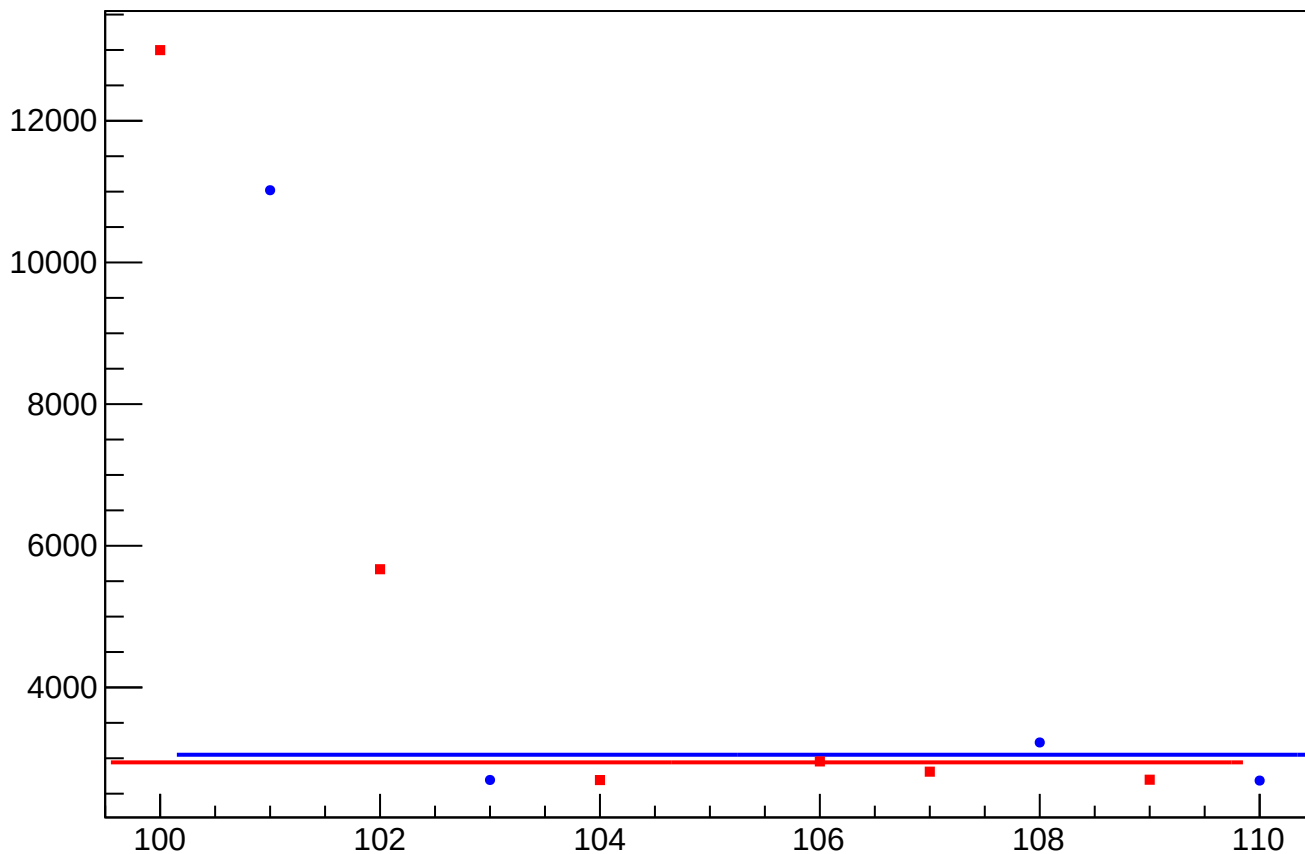
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

1002.539 $\pm$ 2452.752  $\chi^2/\text{NDF}$ : 5.2/3

1803.156 $\pm$ 1585.775  $\chi^2/\text{NDF}$ : 9.6/9

2378.168 $\pm$ 2078.644  $\chi^2/\text{NDF}$ : 4.3/5

# dit\_asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 3049.675+/-1.734  $\chi^2/\text{NDF}$ : 649157.4/3

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

Right Out: 2942.090+/-1.470  $\chi^2/\text{NDF}$ : 297306.2/5

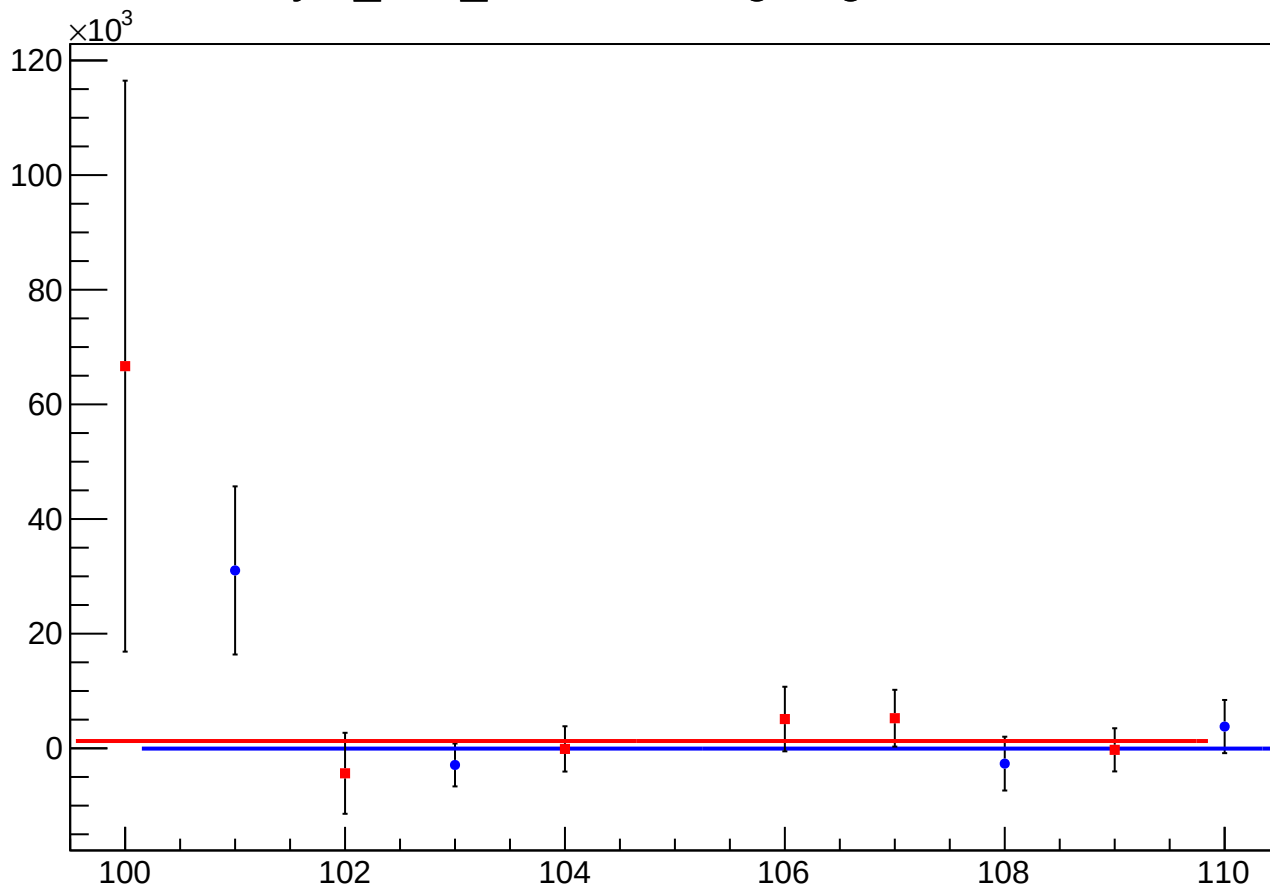
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3049.675+/-1.734  $\chi^2/\text{NDF}$ : 649157.4/3

2987.060+/-1.121  $\chi^2/\text{NDF}$ : 948703.1/9

2942.090+/-1.470  $\chi^2/\text{NDF}$ : 297306.2/5

# asym\_atr1\_mean vs Slug, Sign Corrected



Right In:  $-48.860 \pm 2439.654$   $\chi^2/\text{NDF}$ : 6.1/3

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

Right Out:  $1272.101 \pm 2097.348$   $\chi^2/\text{NDF}$ : 3.8/5

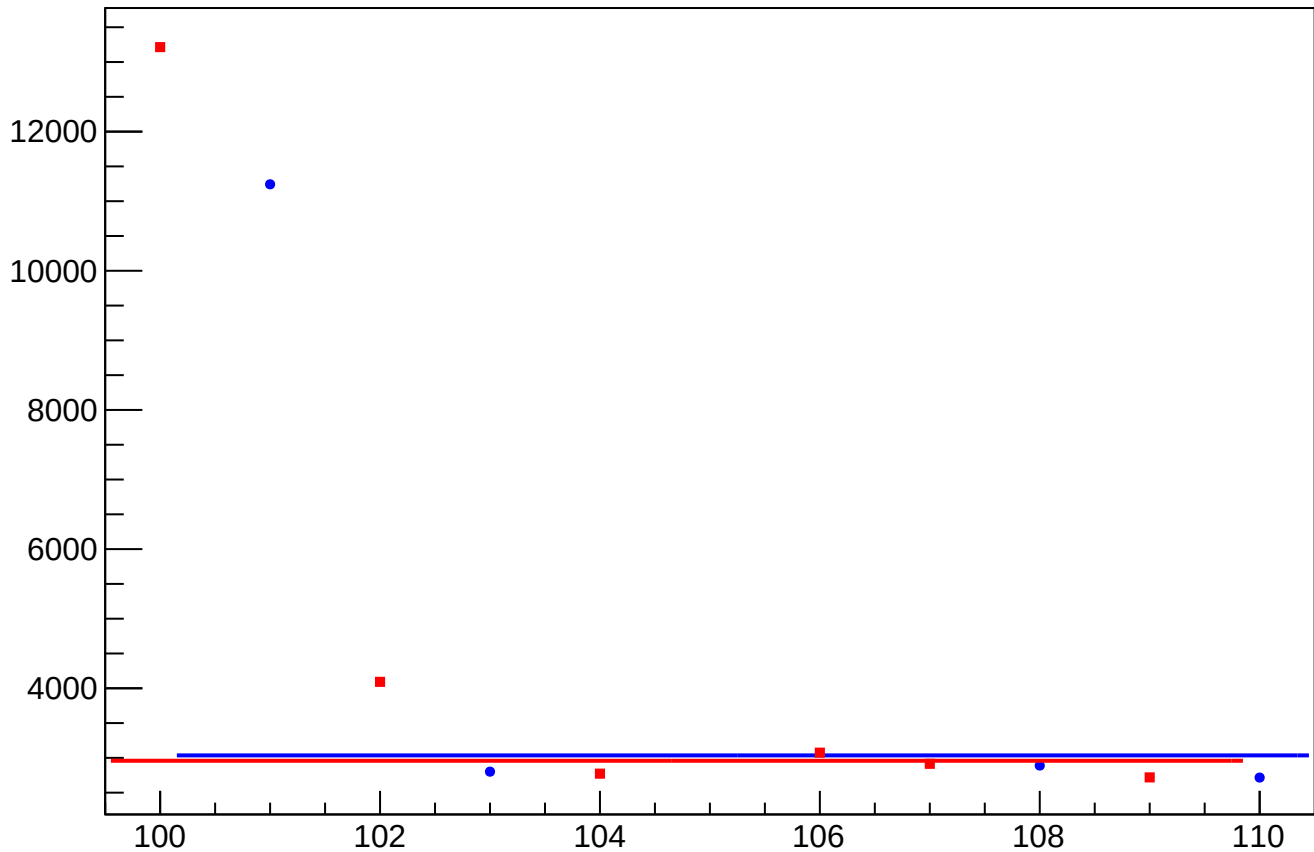
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-48.860 \pm 2439.654$   $\chi^2/\text{NDF}$ : 6.1/3

$710.720 \pm 1590.421$   $\chi^2/\text{NDF}$ : 10.0/9

$1272.101 \pm 2097.348$   $\chi^2/\text{NDF}$ : 3.8/5

# asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 3035.546 $\pm$ 1.725  $\chi^2$ /NDF: 645506.4/3

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

Right Out: 2958.558 $\pm$ 1.483  $\chi^2$ /NDF: 149813.1/5

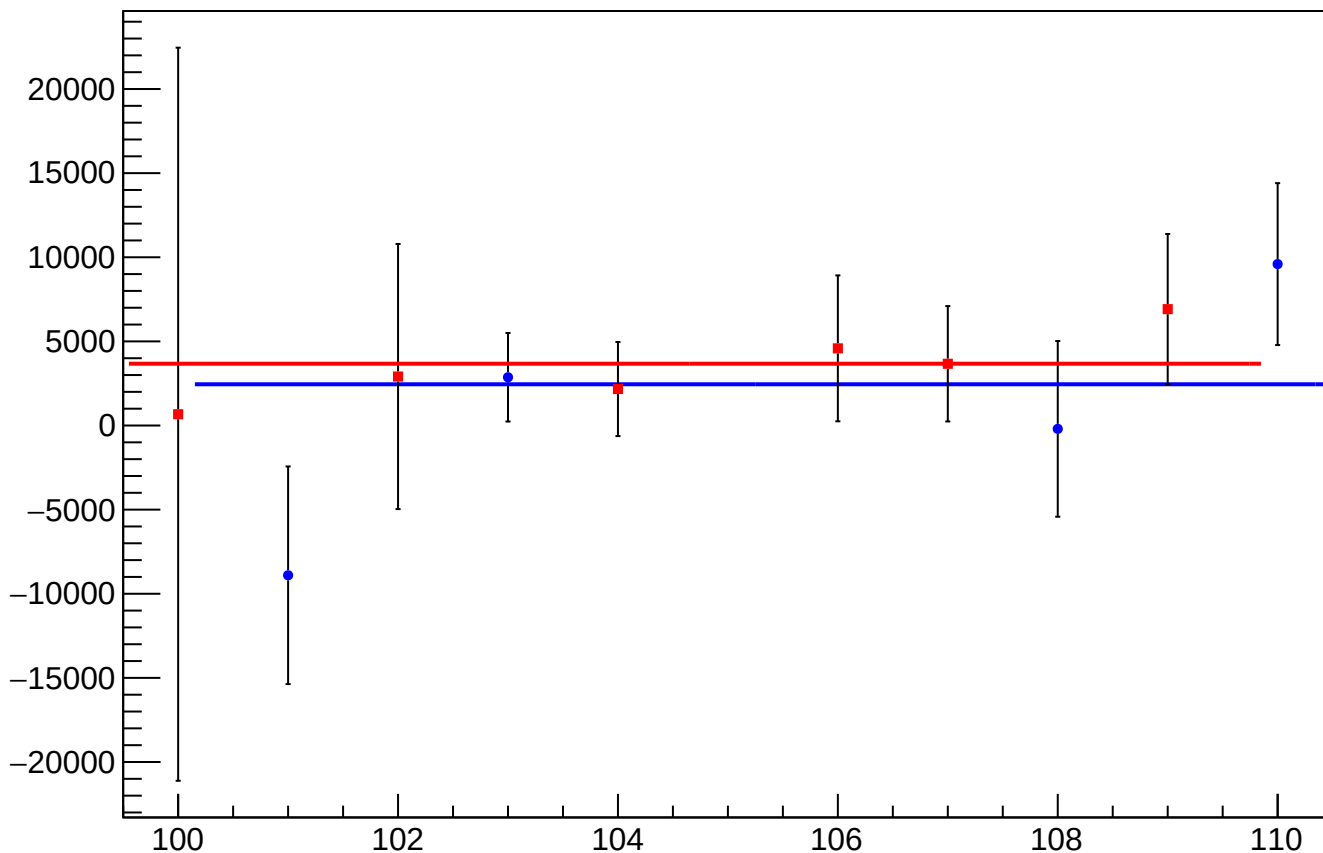
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

3035.546 $\pm$ 1.725  $\chi^2$ /NDF: 645506.4/3

2991.276 $\pm$ 1.125  $\chi^2$ /NDF: 796464.7/9

2958.558 $\pm$ 1.483  $\chi^2$ /NDF: 149813.1/5

# dit\_asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 2451.108 $\pm$ 2007.518  $\chi^2$ /NDF: 5.6/3

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

Right Out: 3673.098 $\pm$ 1729.409  $\chi^2$ /NDF: 0.9/5

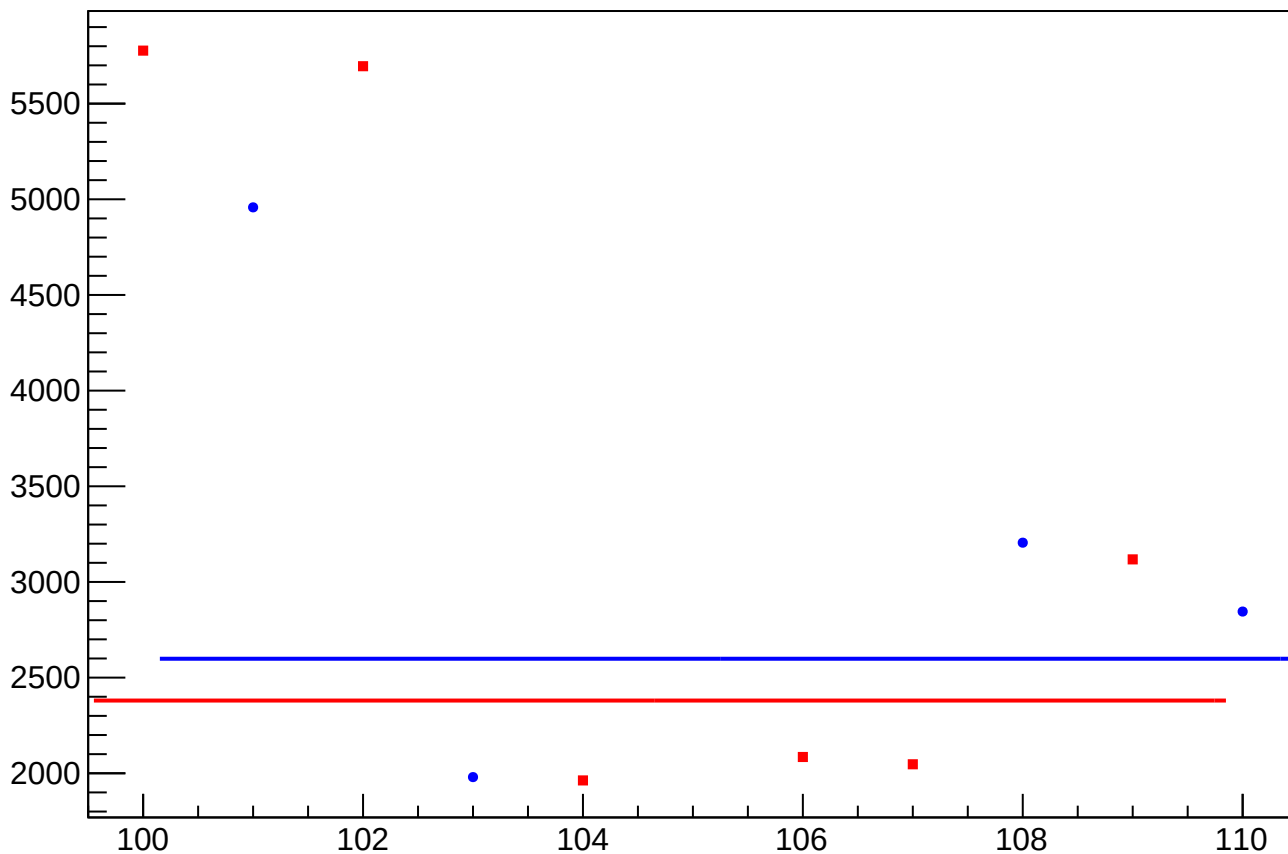
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2451.108 $\pm$ 2007.518  $\chi^2$ /NDF: 5.6/3

3152.545 $\pm$ 1310.262  $\chi^2$ /NDF: 6.7/9

3673.098 $\pm$ 1729.409  $\chi^2$ /NDF: 0.9/5

# dit\_asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 2598.639+/-1.420  $\chi^2/\text{NDF}$ : 408881.2/3

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

Right Out: 2380.173+/-1.222  $\chi^2/\text{NDF}$ : 530091.0/5

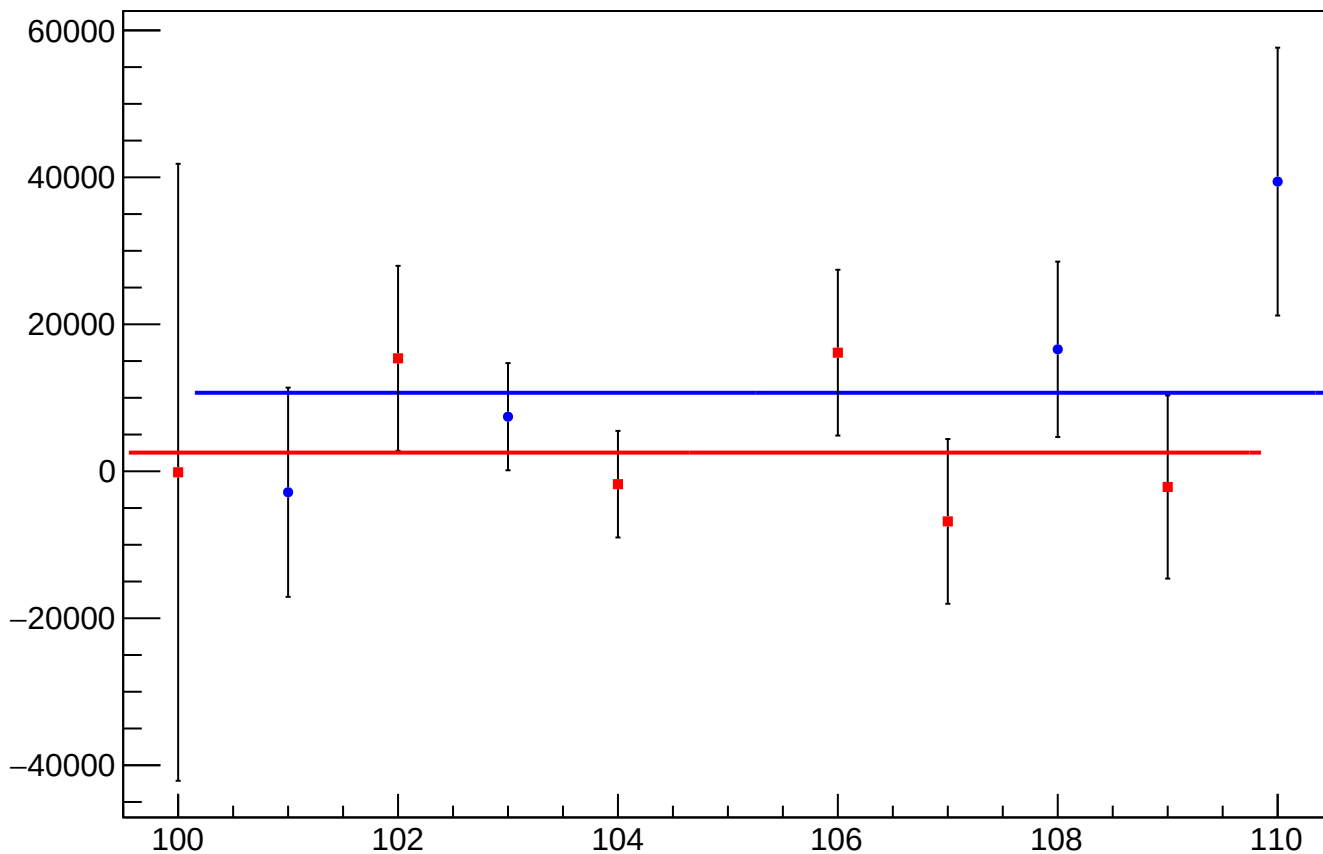
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2598.639+/-1.420  $\chi^2/\text{NDF}$ : 408881.2/3

2473.142+/-0.926  $\chi^2/\text{NDF}$ : 952578.3/9

2380.173+/-1.222  $\chi^2/\text{NDF}$ : 530091.0/5

# asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 10685.002 $\pm$ 5441.237  $\chi^2$ /NDF: 3.8/3

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

Right Out: 2542.635 $\pm$ 4557.445  $\chi^2$ /NDF: 3.7/5

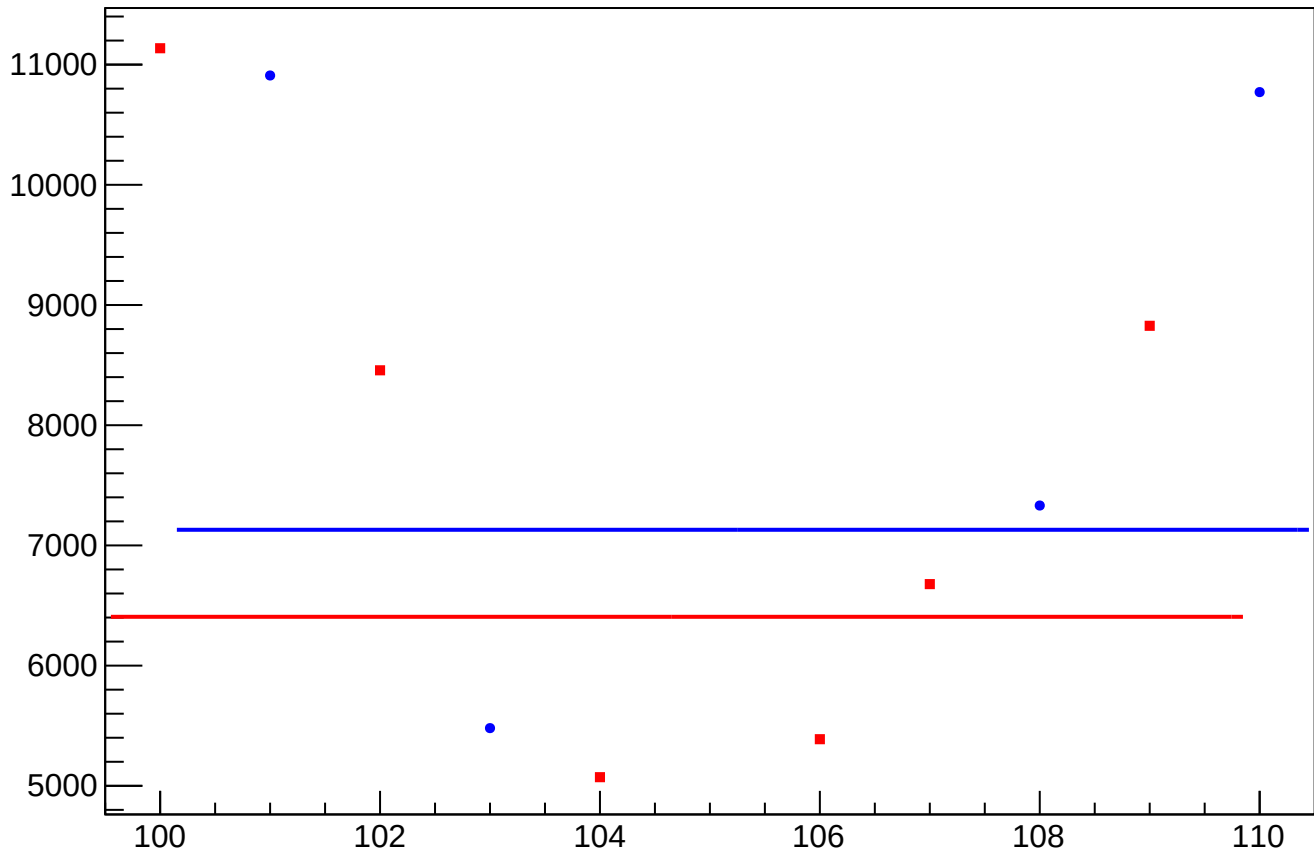
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

10685.002 $\pm$ 5441.237  $\chi^2$ /NDF: 3.8/3

5899.688 $\pm$ 3493.827  $\chi^2$ /NDF: 8.8/9

2542.635 $\pm$ 4557.445  $\chi^2$ /NDF: 3.7/5

# asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 7130.106+/-3.848  $\chi^2/\text{NDF}$ : 323809.6/3

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

Right Out: 6406.170+/-3.222  $\chi^2/\text{NDF}$ : 239089.4/5

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

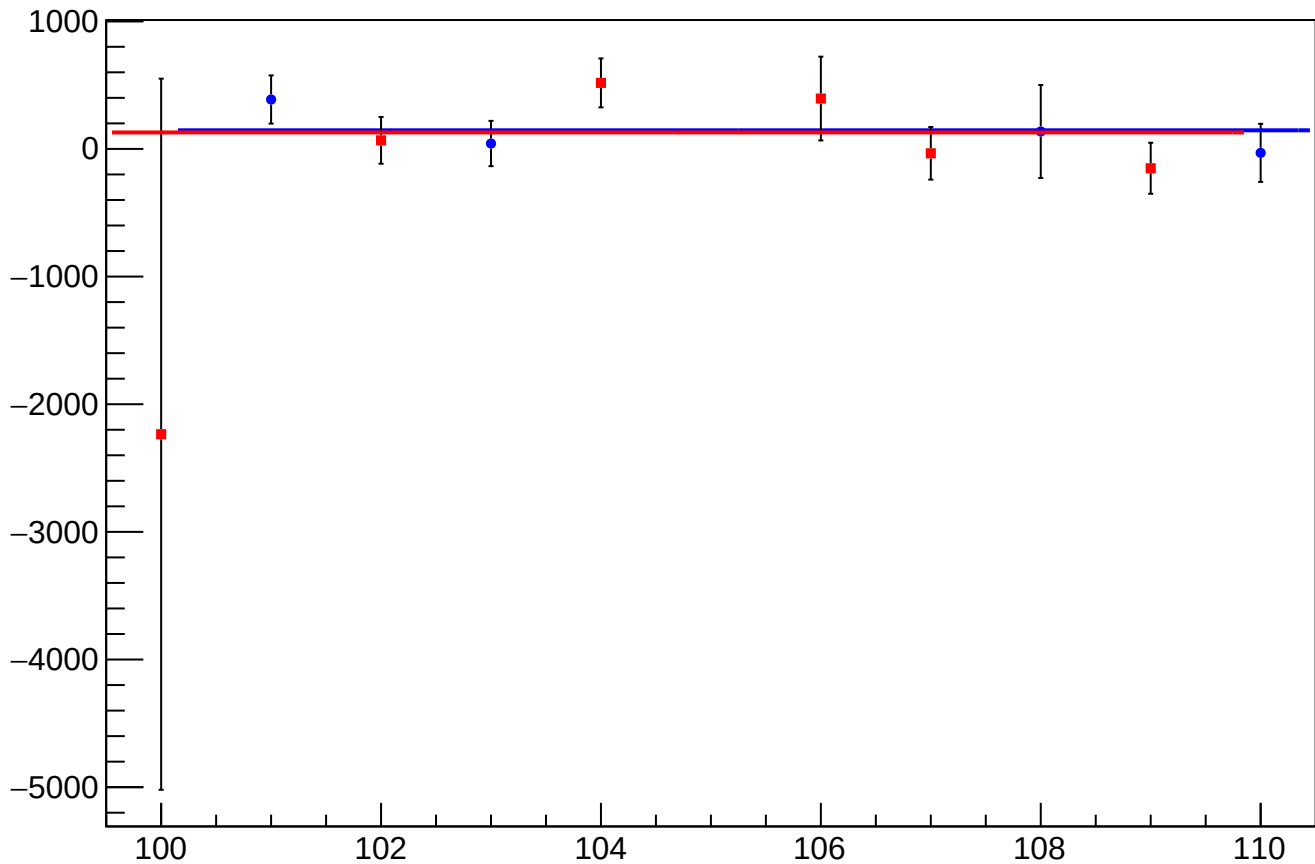
7130.106+/-3.848  $\chi^2/\text{NDF}$ : 323809.6/3

6704.618+/-2.470  $\chi^2/\text{NDF}$ : 583706.6/9

6406.170+/-3.222  $\chi^2/\text{NDF}$ : 239089.4/5



# dit\_asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 145.738 $\pm$ 107.407  $\chi^2$ /NDF: 2.6/3

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

Right Out: 129.027 $\pm$ 93.238  $\chi^2$ /NDF: 8.2/5

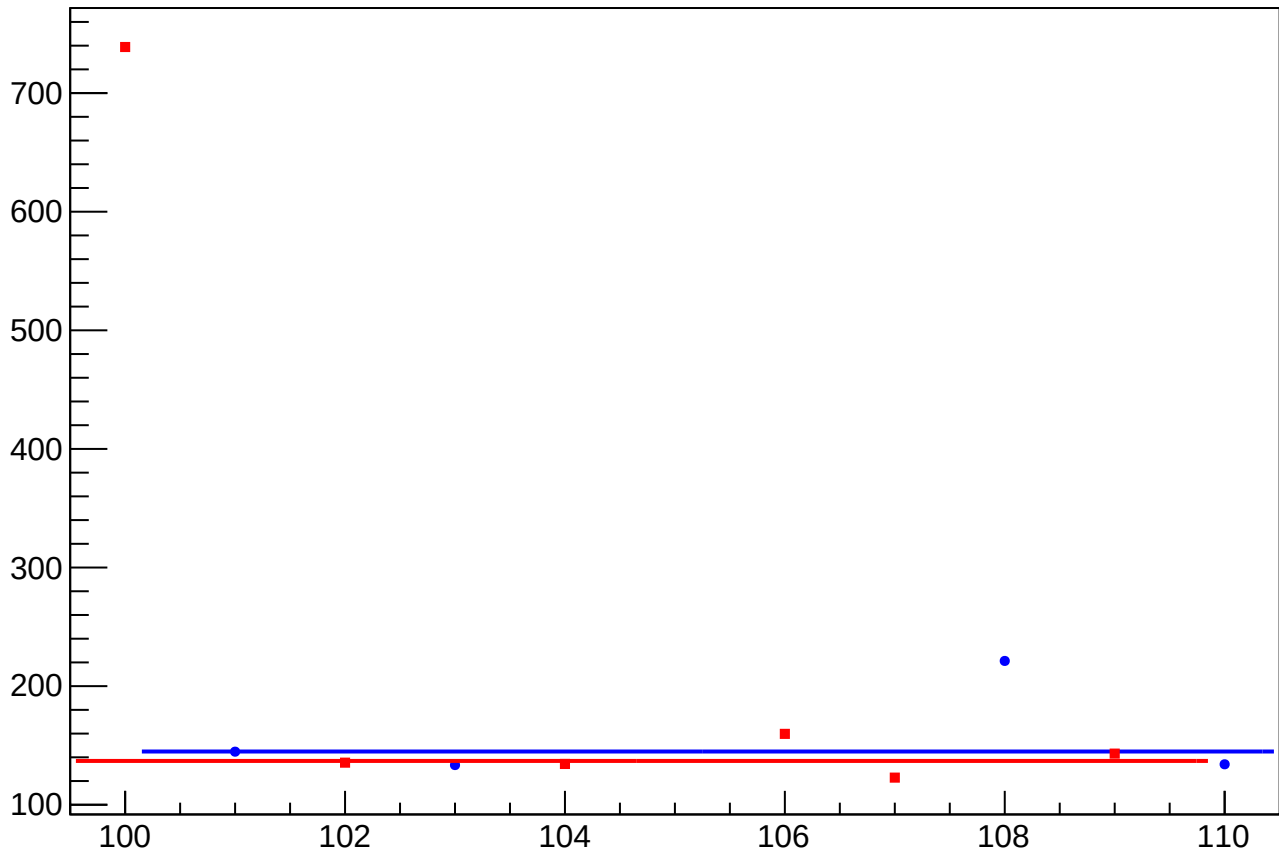
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

145.738 $\pm$ 107.407  $\chi^2$ /NDF: 2.6/3

136.208 $\pm$ 70.410  $\chi^2$ /NDF: 10.8/9

129.027 $\pm$ 93.238  $\chi^2$ /NDF: 8.2/5

# dit\_asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 144.893+/-0.076  $\chi^2/\text{NDF}$ : 100594.9/3

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

Right Out: 136.944+/-0.066  $\chi^2/\text{NDF}$ : 114781.2/5

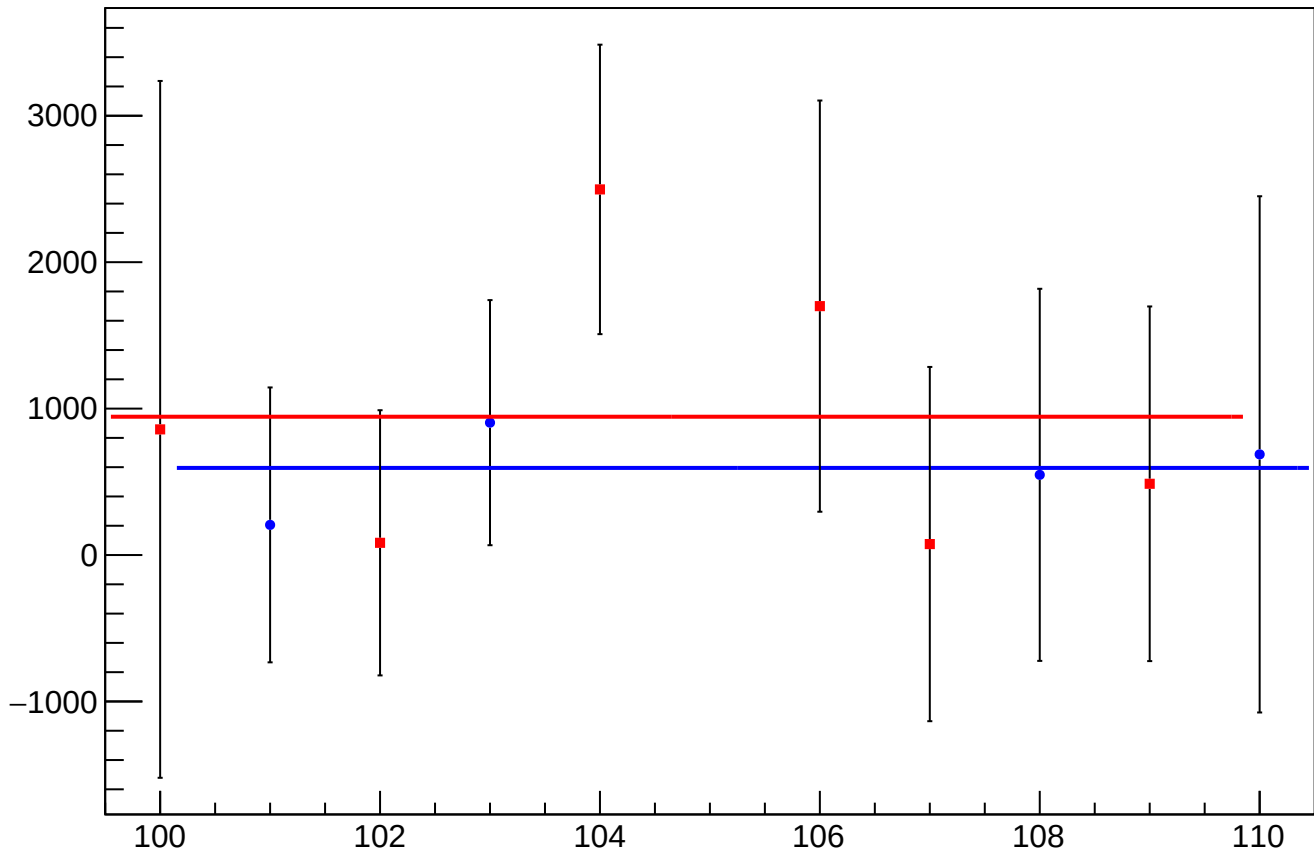
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

144.893+/-0.076  $\chi^2/\text{NDF}$ : 100594.9/3

140.360+/-0.050  $\chi^2/\text{NDF}$ : 221623.4/9

136.944+/-0.066  $\chi^2/\text{NDF}$ : 114781.2/5

# asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 594.997 $\pm$ 534.255  $\chi^2$ /NDF: 0.3/3

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

Right Out: 944.593 $\pm$ 482.692  $\chi^2$ /NDF: 4.3/5

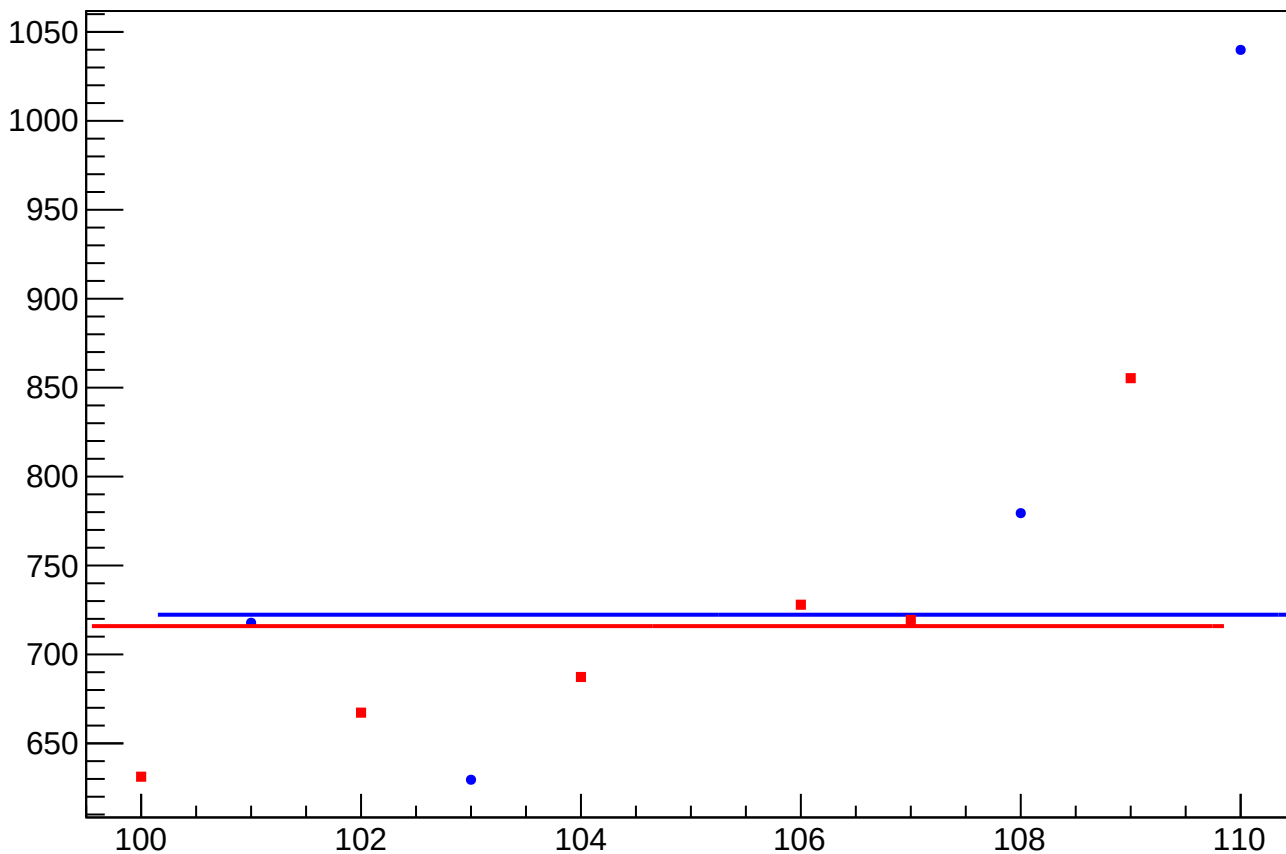
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

594.997 $\pm$ 534.255  $\chi^2$ /NDF: 0.3/3

787.476 $\pm$ 358.161  $\chi^2$ /NDF: 4.9/9

944.593 $\pm$ 482.692  $\chi^2$ /NDF: 4.3/5

# asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 722.329+/-0.378  $\chi^2/\text{NDF}$ : 93576.1/3

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

Right Out: 715.917+/-0.341  $\chi^2/\text{NDF}$ : 36648.4/5

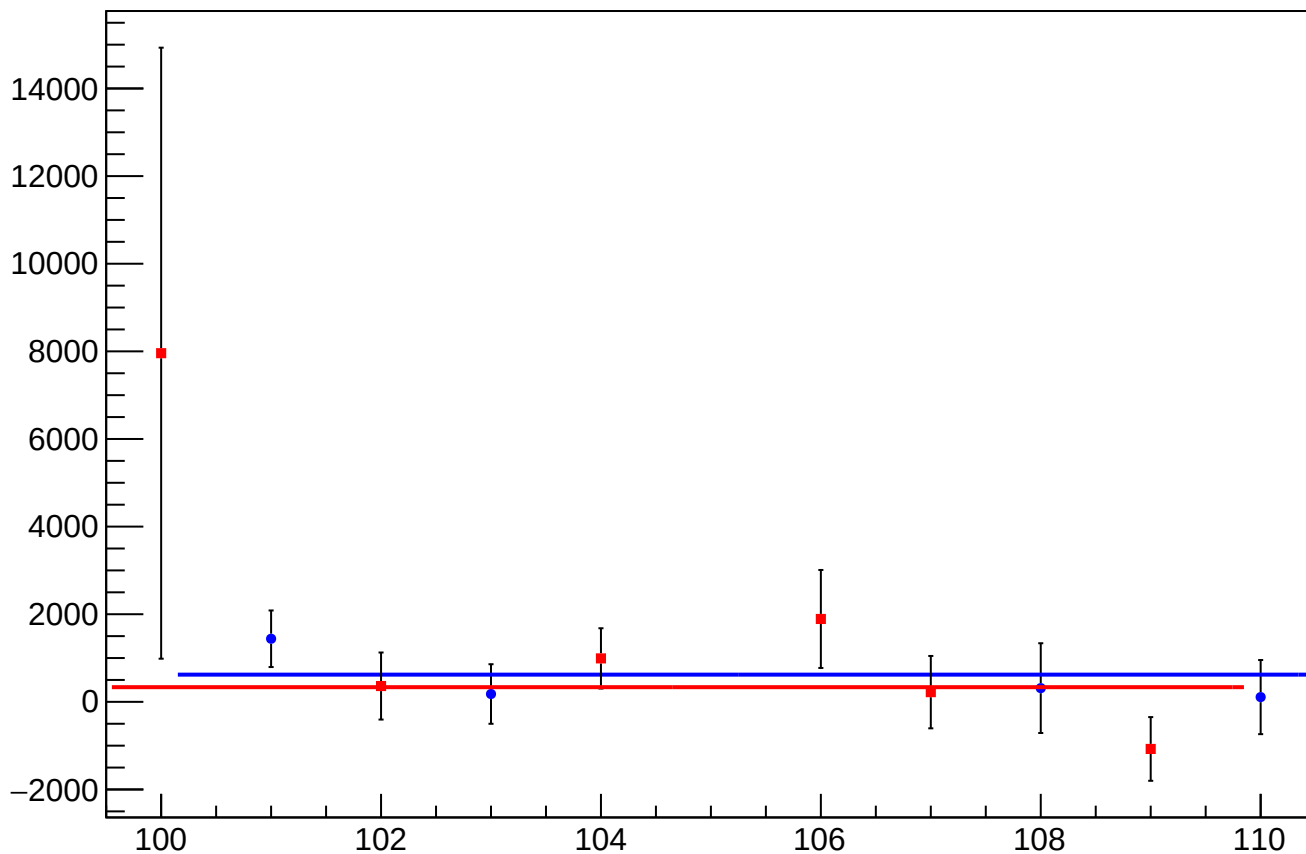
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

722.329+/-0.378  $\chi^2/\text{NDF}$ : 93576.1/3

718.798+/-0.253  $\chi^2/\text{NDF}$ : 130383.2/9

715.917+/-0.341  $\chi^2/\text{NDF}$ : 36648.4/5

# dit\_asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 620.981+/-380.344  $\chi^2/\text{NDF}$ : 2.5/3

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

Right Out: 334.897+/-353.576  $\chi^2/\text{NDF}$ : 7.8/5

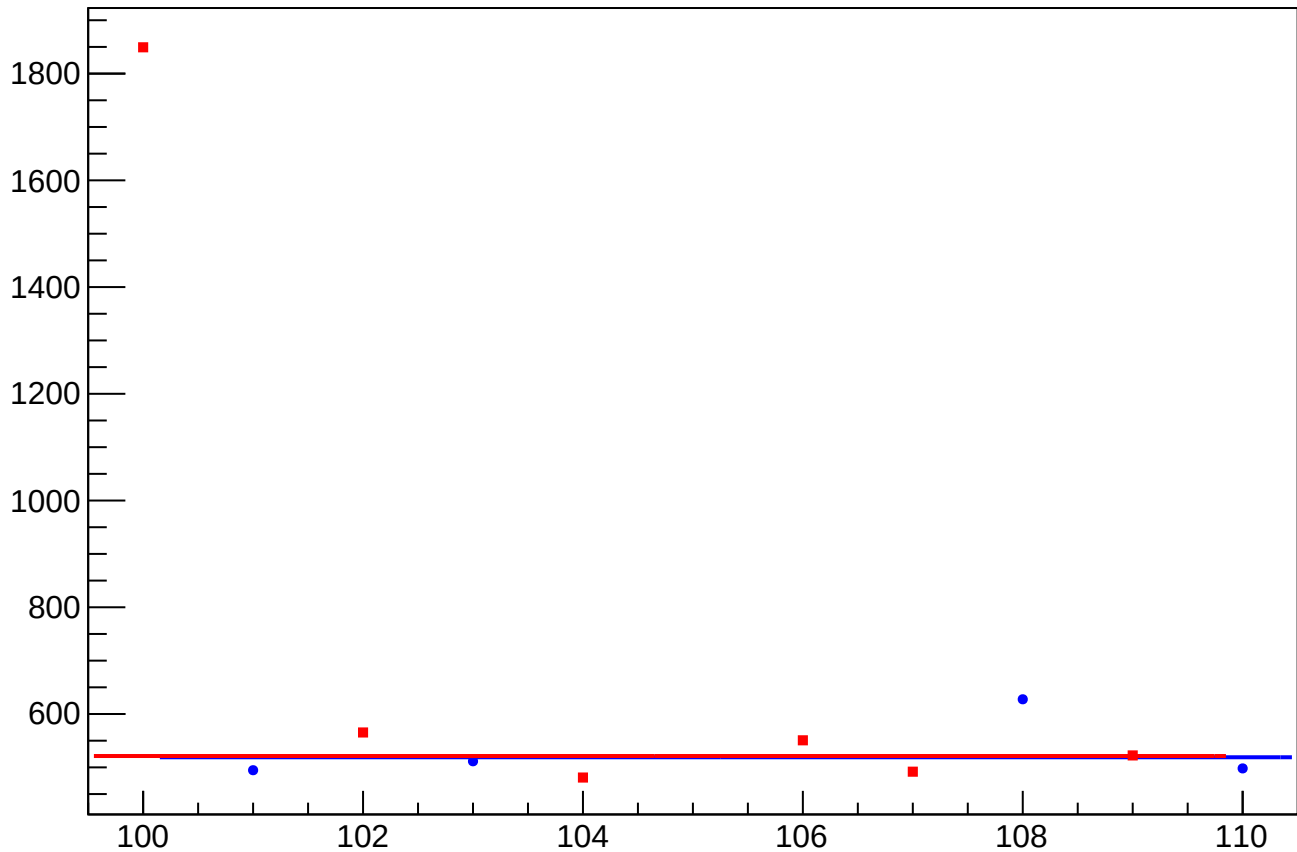
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

620.981+/-380.344  $\chi^2/\text{NDF}$ : 2.5/3

467.518+/-258.963  $\chi^2/\text{NDF}$ : 10.6/9

334.897+/-353.576  $\chi^2/\text{NDF}$ : 7.8/5

# dit\_asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 518.934 $\pm$ 0.269  $\chi^2$ /NDF: 26787.0/3

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

Right Out: 521.277 $\pm$ 0.250  $\chi^2$ /NDF: 89972.7/5

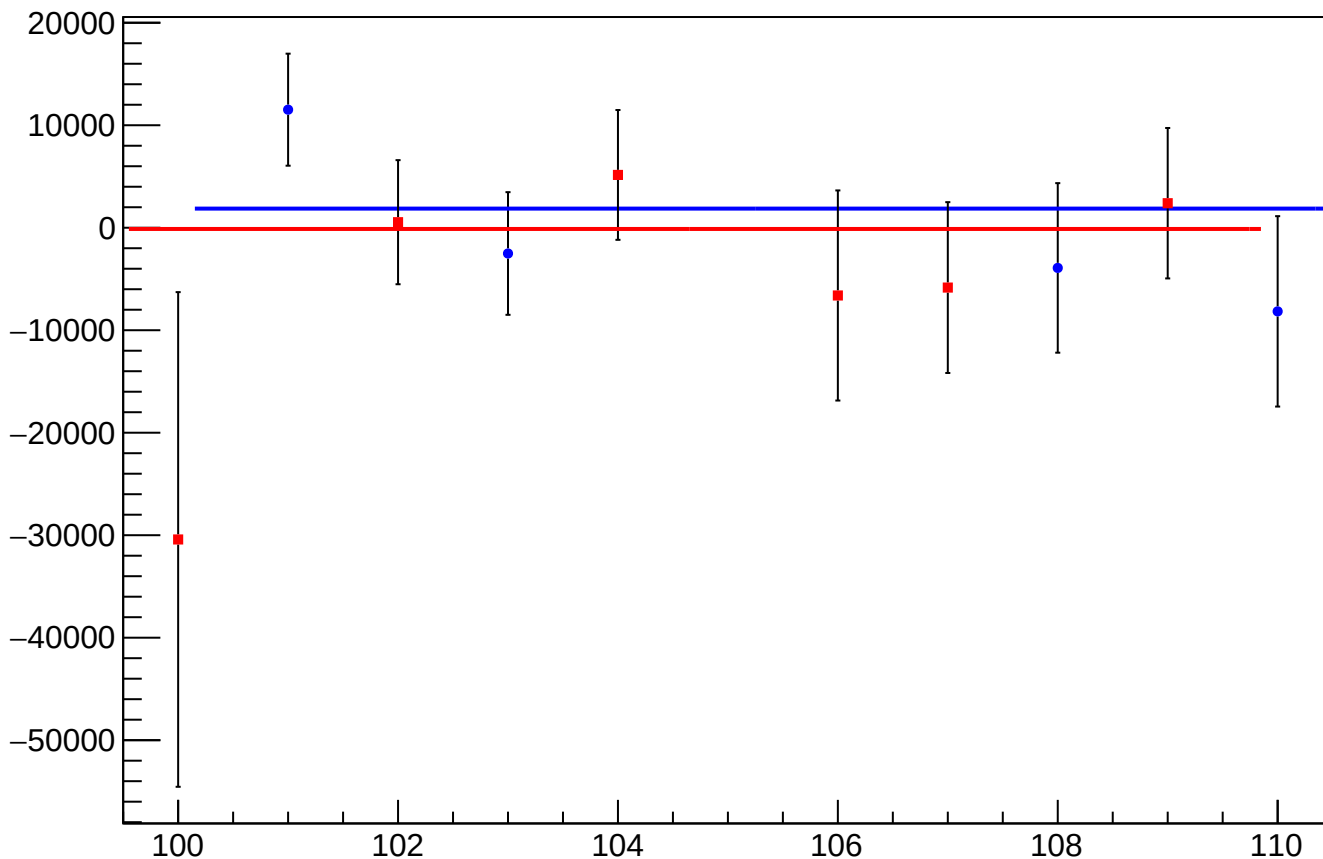
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

518.934 $\pm$ 0.269  $\chi^2$ /NDF: 26787.0/3

520.191 $\pm$ 0.183  $\chi^2$ /NDF: 116800.4/9

521.277 $\pm$ 0.250  $\chi^2$ /NDF: 89972.7/5

# asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 1866.712 $\pm$ 3378.419  $\chi^2$ /NDF: 5.3/3

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

Right Out: -119.663 $\pm$ 3220.603  $\chi^2$ /NDF: 3.3/5

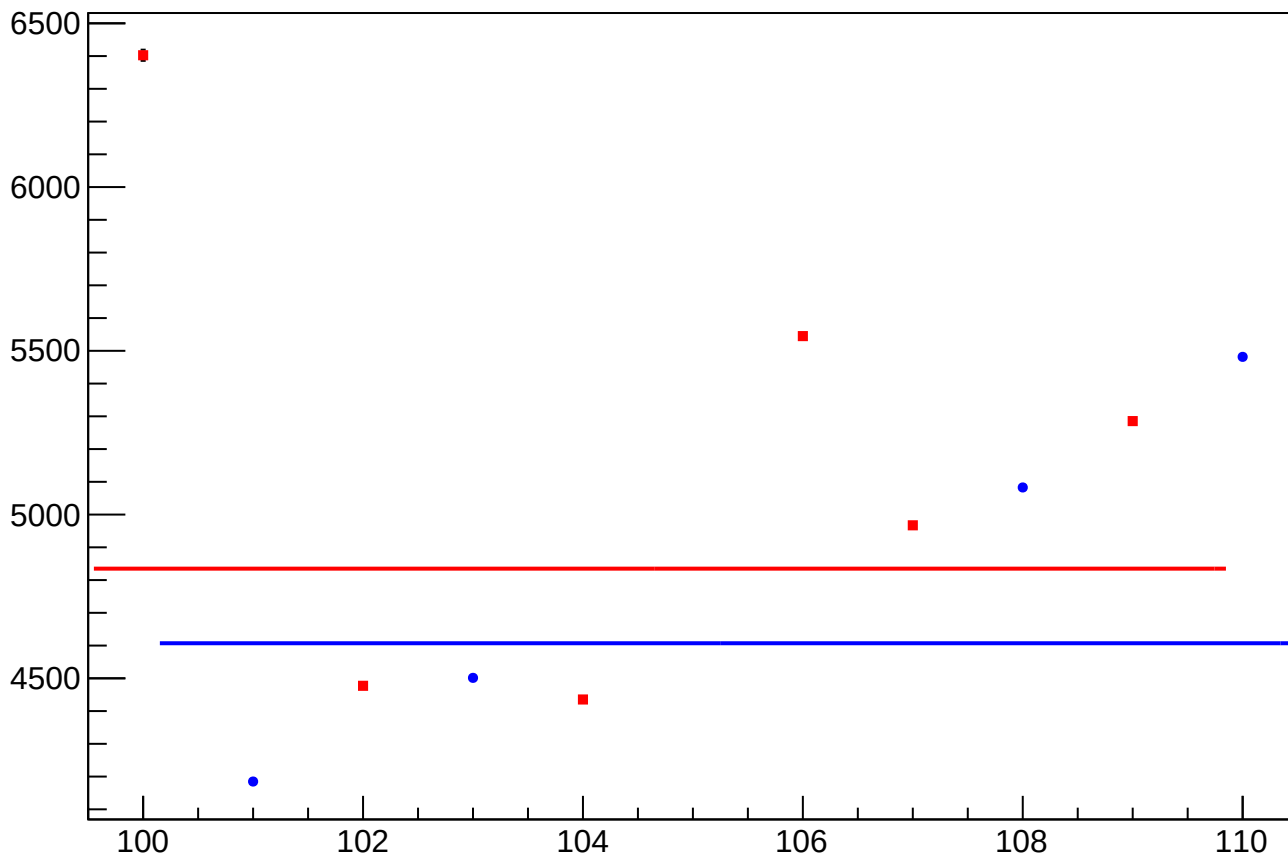
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1866.712 $\pm$ 3378.419  $\chi^2$ /NDF: 5.3/3

826.047 $\pm$ 2331.106  $\chi^2$ /NDF: 8.8/9

-119.663 $\pm$ 3220.603  $\chi^2$ /NDF: 3.3/5

# asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 4607.107+/-2.389  $\chi^2/\text{NDF}$ : 36902.7/3

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

Right Out: 4834.893+/-2.277  $\chi^2/\text{NDF}$ : 41018.0/5

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

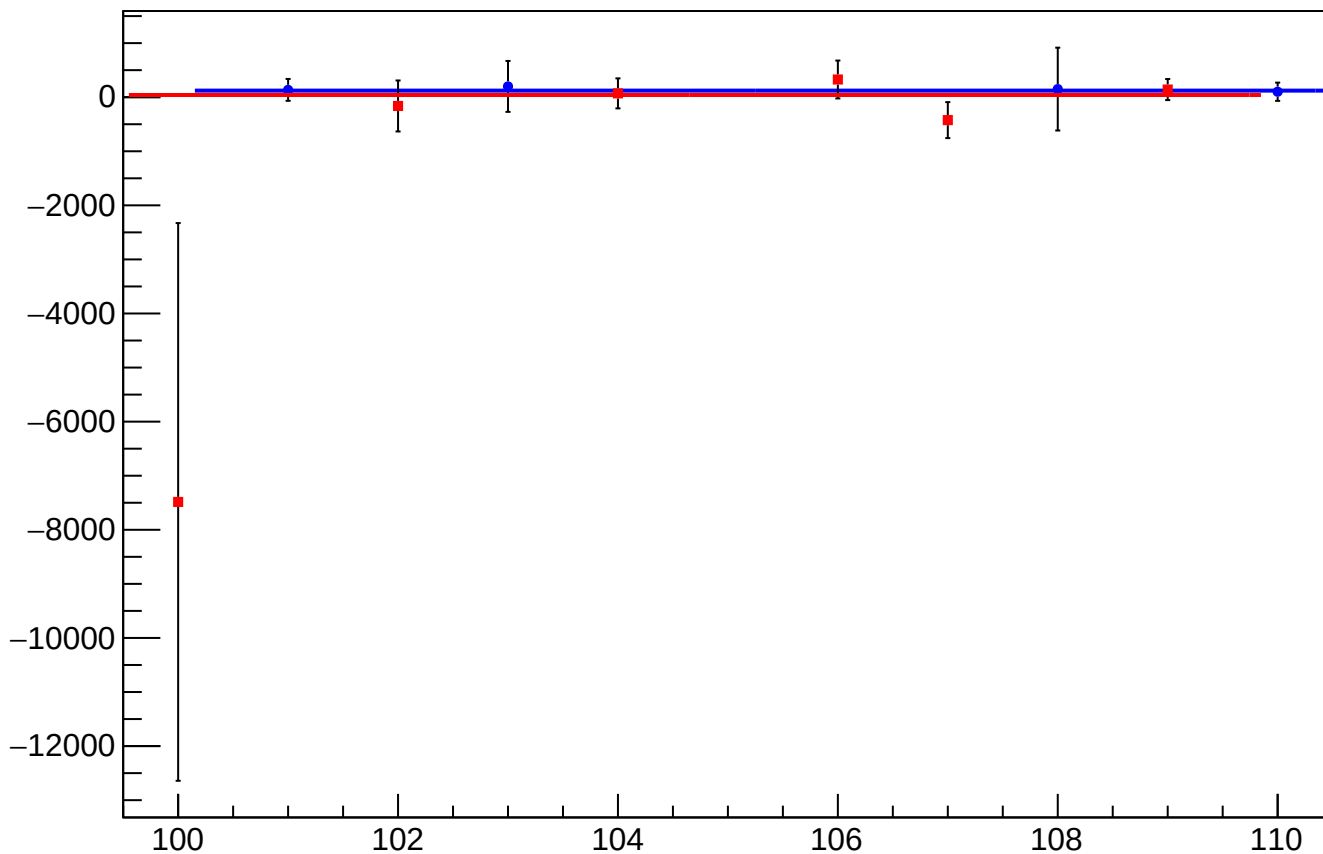
4607.107+/-2.389  $\chi^2/\text{NDF}$ : 36902.7/3

4726.444+/-1.648  $\chi^2/\text{NDF}$ : 82684.1/9

4834.893+/-2.277  $\chi^2/\text{NDF}$ : 41018.0/5



# dit\_asym\_sam3\_mean vs Slug, Sign Corrected



Right In: 121.582+/-123.281  $\chi^2/\text{NDF}$ : 0.0/3

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

Right Out: 40.493+/-127.978  $\chi^2/\text{NDF}$ : 5.2/5

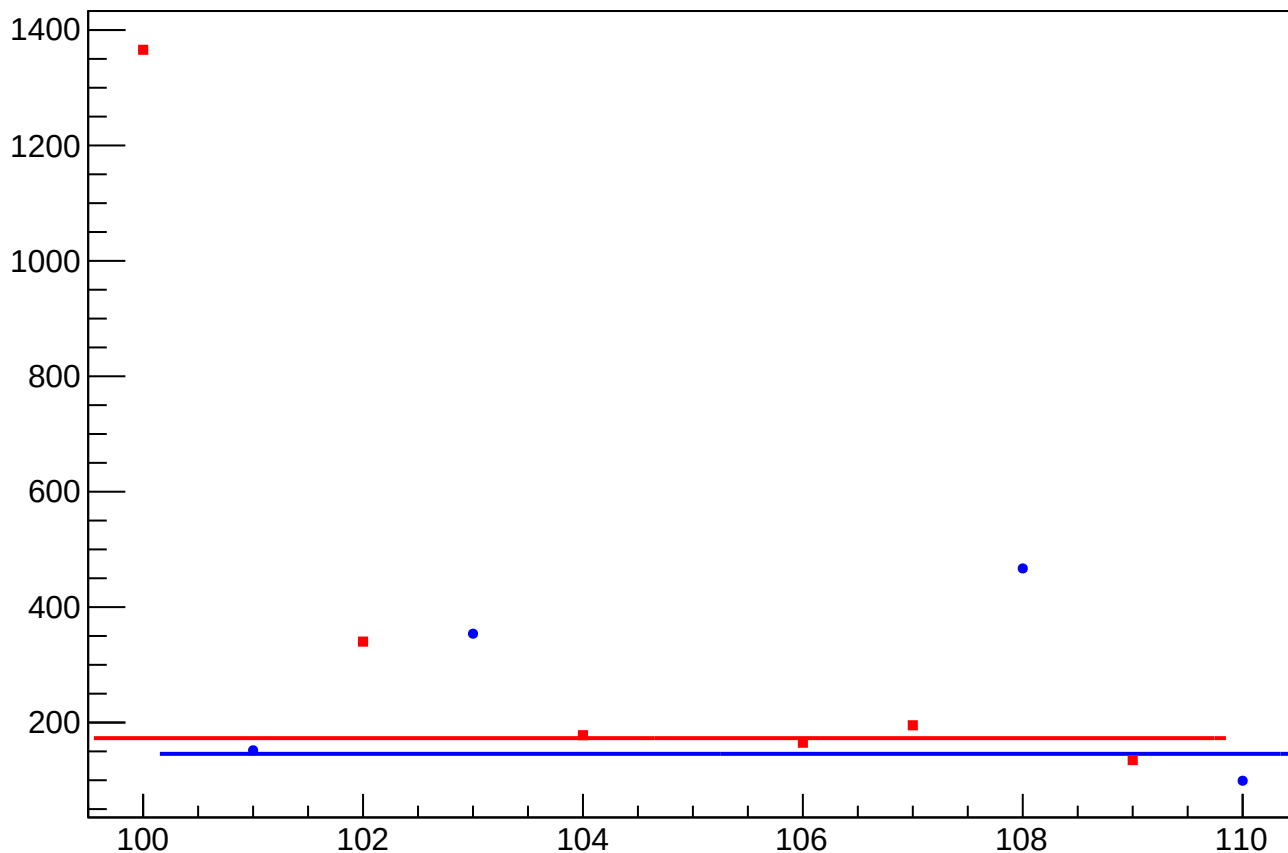
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

121.582+/-123.281  $\chi^2/\text{NDF}$ : 0.0/3

82.552+/-88.787  $\chi^2/\text{NDF}$ : 5.5/9

40.493+/-127.978  $\chi^2/\text{NDF}$ : 5.2/5

# dit\_asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 145.735+/-0.087  $\chi^2/\text{NDF}$ : 897426.5/3

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

Right Out: 172.944+/-0.090  $\chi^2/\text{NDF}$ : 445471.8/5

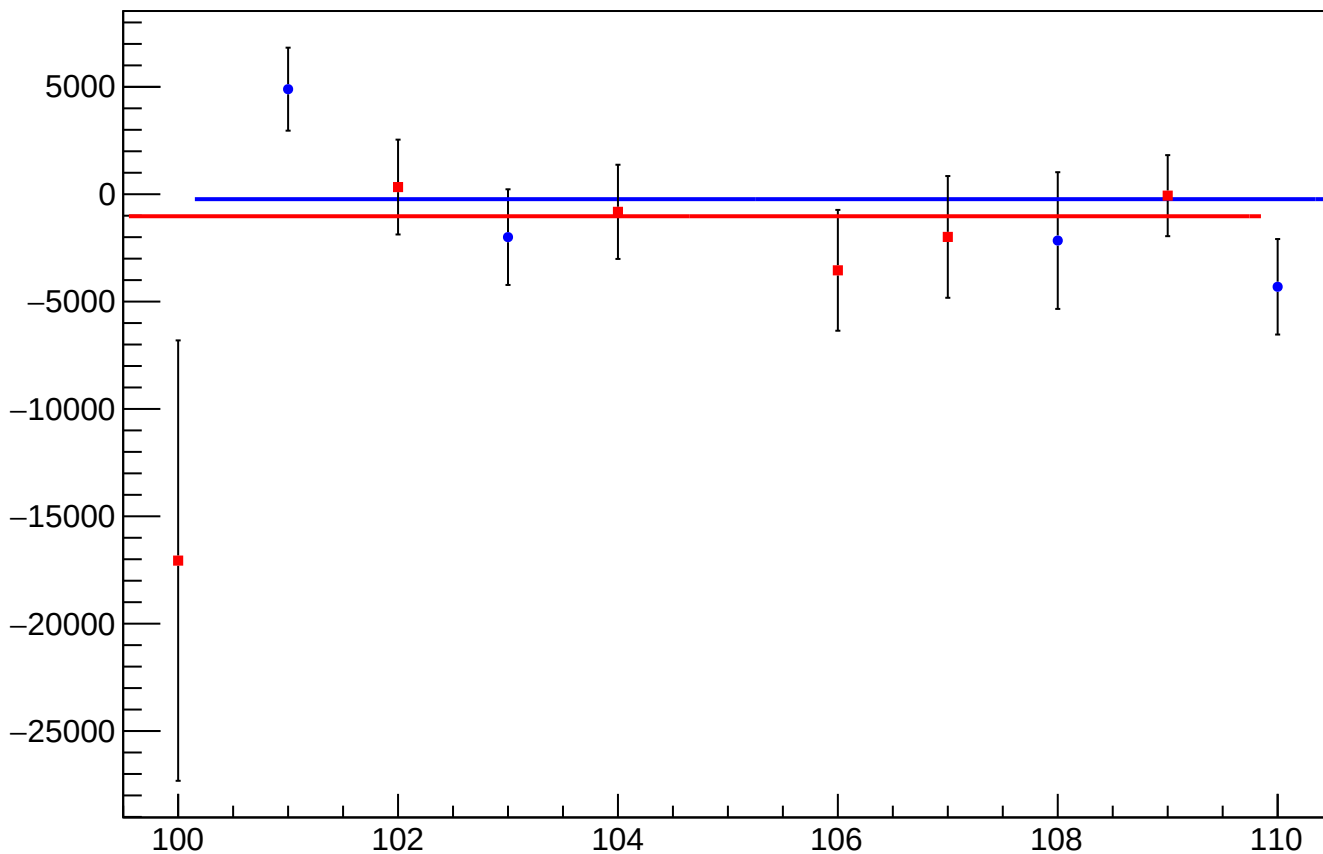
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

145.735+/-0.087  $\chi^2/\text{NDF}$ : 897426.5/3

158.831+/-0.063  $\chi^2/\text{NDF}$ : 1389790.8/9

172.944+/-0.090  $\chi^2/\text{NDF}$ : 445471.8/5

# asym\_sam3\_mean vs Slug, Sign Corrected



Right In: -229.987+/-1139.554  $\chi^2/\text{NDF}$ : 11.4/3

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

Right Out: -1025.498+/-1023.872  $\chi^2/\text{NDF}$ : 4.0/5

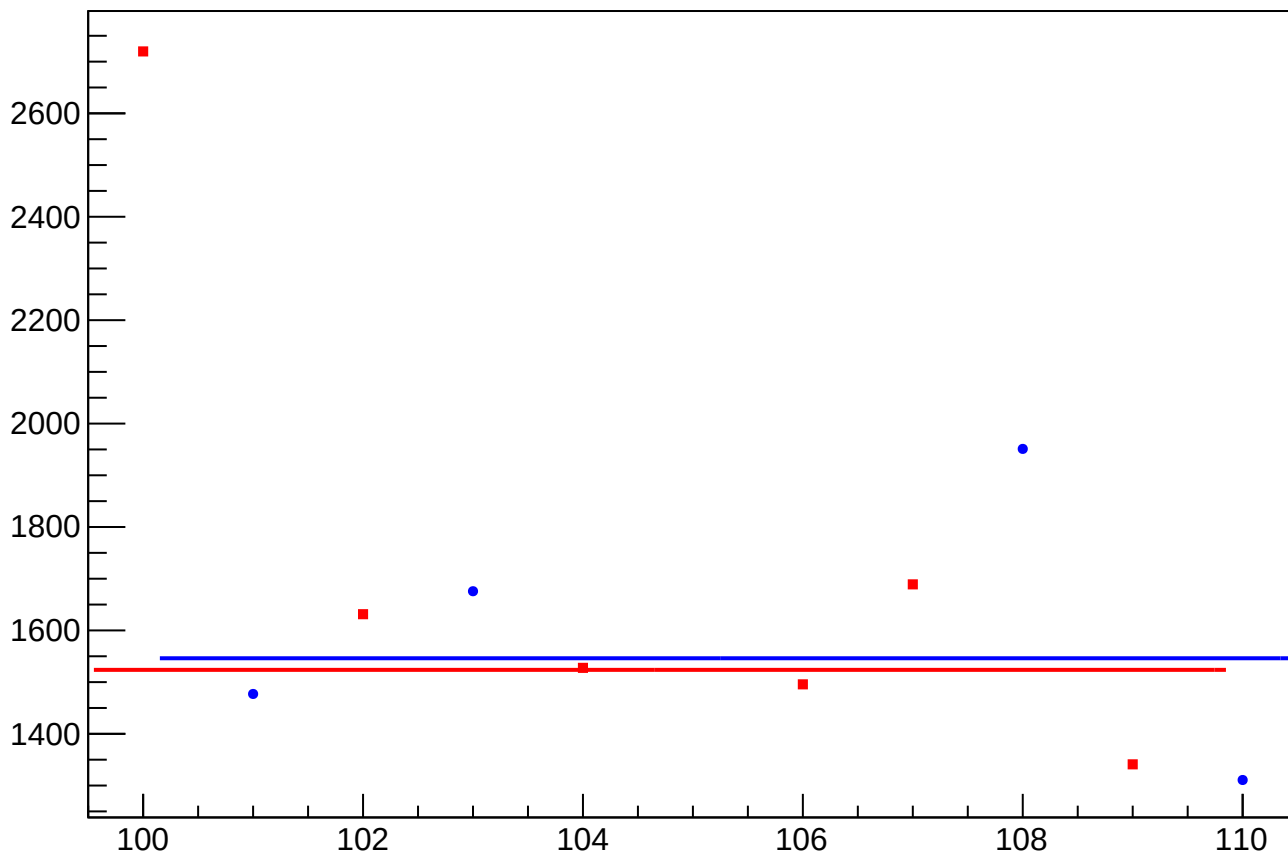
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-229.987+/-1139.554  $\chi^2/\text{NDF}$ : 11.4/3

-670.159+/-761.611  $\chi^2/\text{NDF}$ : 15.7/9

-1025.498+/-1023.872  $\chi^2/\text{NDF}$ : 4.0/5

# asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 1546.154+/-0.806  $\chi^2/\text{NDF}$ : 64087.0/3

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

Right Out: 1523.711+/-0.724  $\chi^2/\text{NDF}$ : 57709.7/5

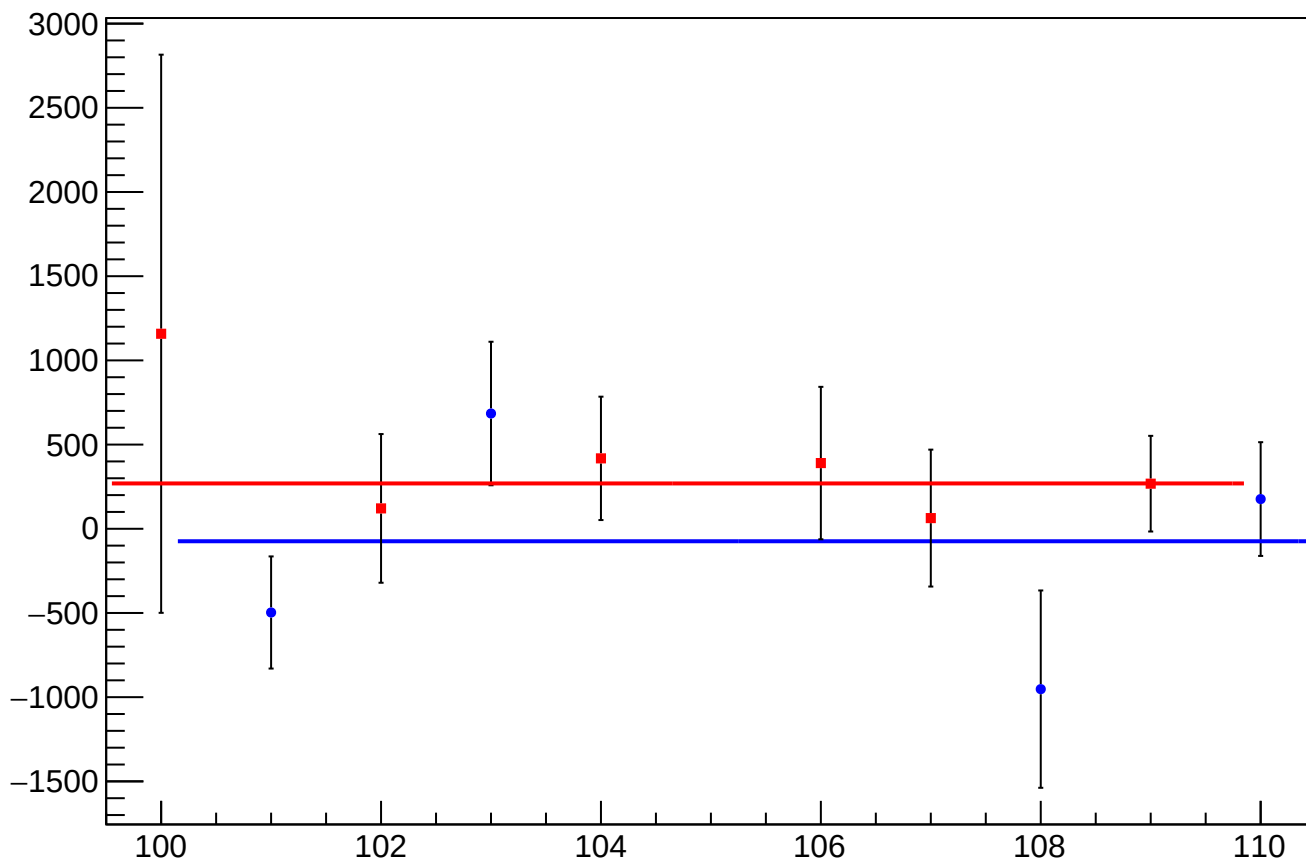
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1546.154+/-0.806  $\chi^2/\text{NDF}$ : 64087.0/3

1533.736+/-0.539  $\chi^2/\text{NDF}$ : 122225.9/9

1523.711+/-0.724  $\chi^2/\text{NDF}$ : 57709.7/5

# dit\_asym\_sam4\_mean vs Slug, Sign Corrected



Right In: -74.063 $\pm$ 195.342  $\chi^2$ /NDF: 7.6/3

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

Right Out: 269.273 $\pm$ 166.045  $\chi^2$ /NDF: 0.9/5

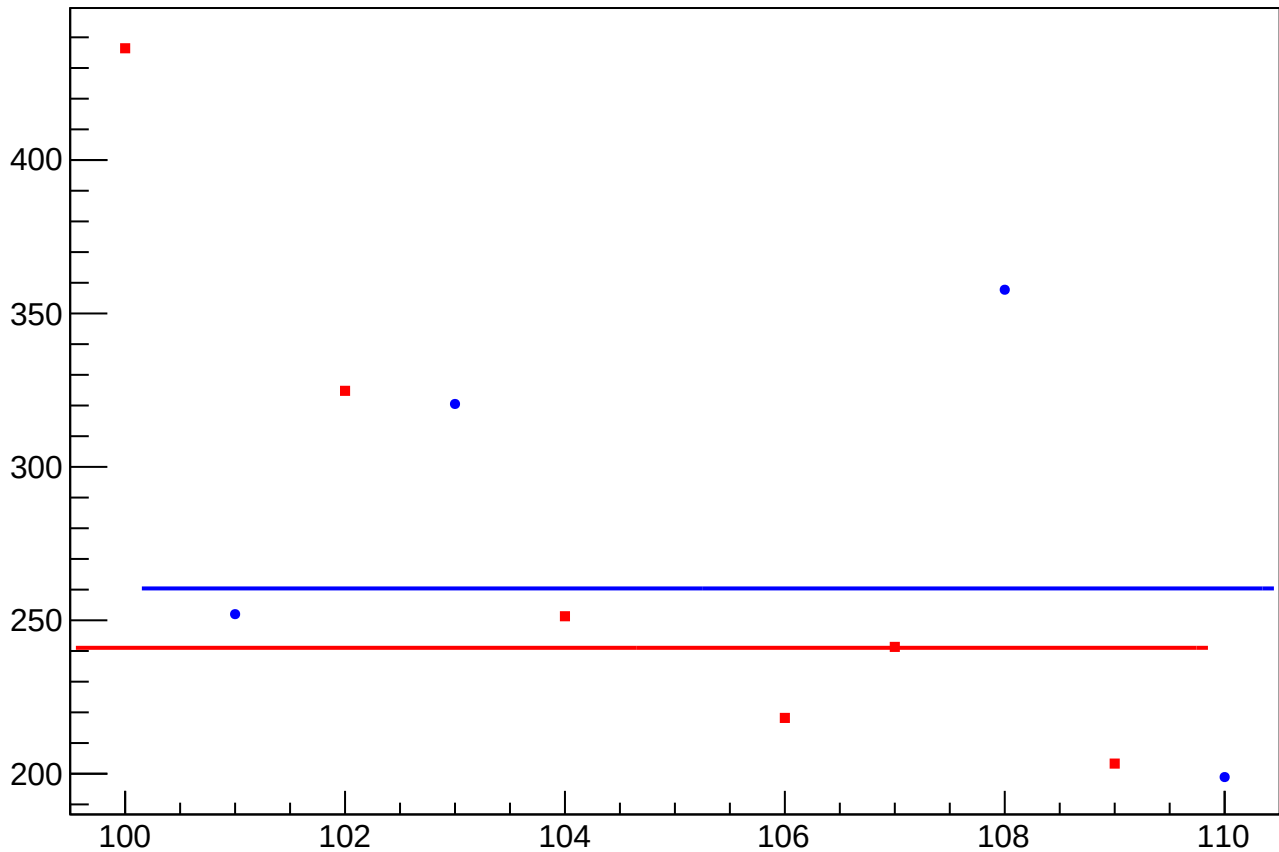
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-74.063 $\pm$ 195.342  $\chi^2$ /NDF: 7.6/3

125.257 $\pm$ 126.515  $\chi^2$ /NDF: 10.3/9

269.273 $\pm$ 166.045  $\chi^2$ /NDF: 0.9/5

# dit\_asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 260.388 $\pm$ 0.138  $\chi^2$ /NDF: 162559.2/3

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

Right Out: 241.036 $\pm$ 0.117  $\chi^2$ /NDF: 141726.3/5

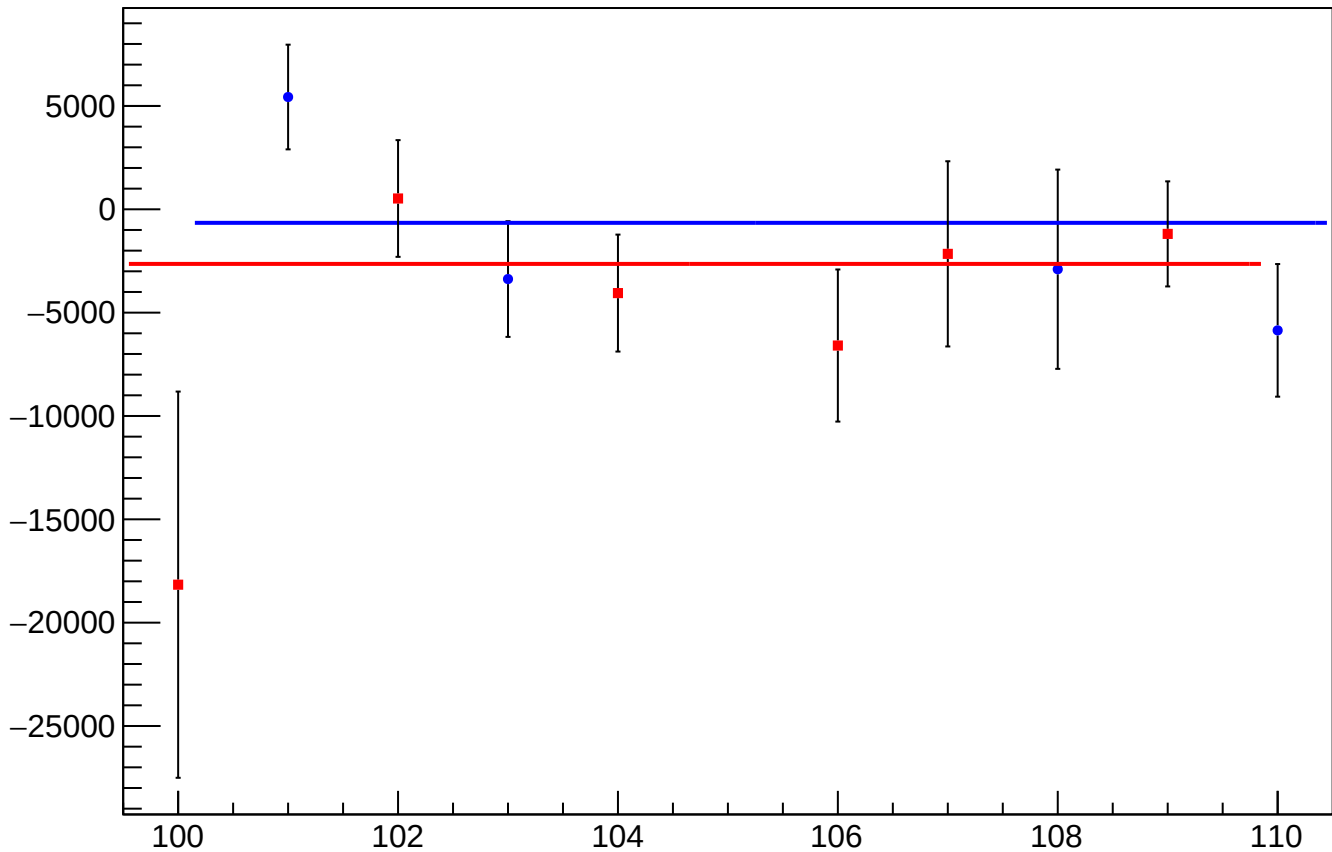
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

260.388 $\pm$ 0.138  $\chi^2$ /NDF: 162559.2/3

249.154 $\pm$ 0.089  $\chi^2$ /NDF: 315680.7/9

241.036 $\pm$ 0.117  $\chi^2$ /NDF: 141726.3/5

# asym\_sam4\_mean vs Slug, Sign Corrected



Right In: -654.436+/-1536.438  $\chi^2/\text{NDF}$ : 9.6/3

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

Right Out: -2641.919+/-1360.667  $\chi^2/\text{NDF}$ : 5.8/5

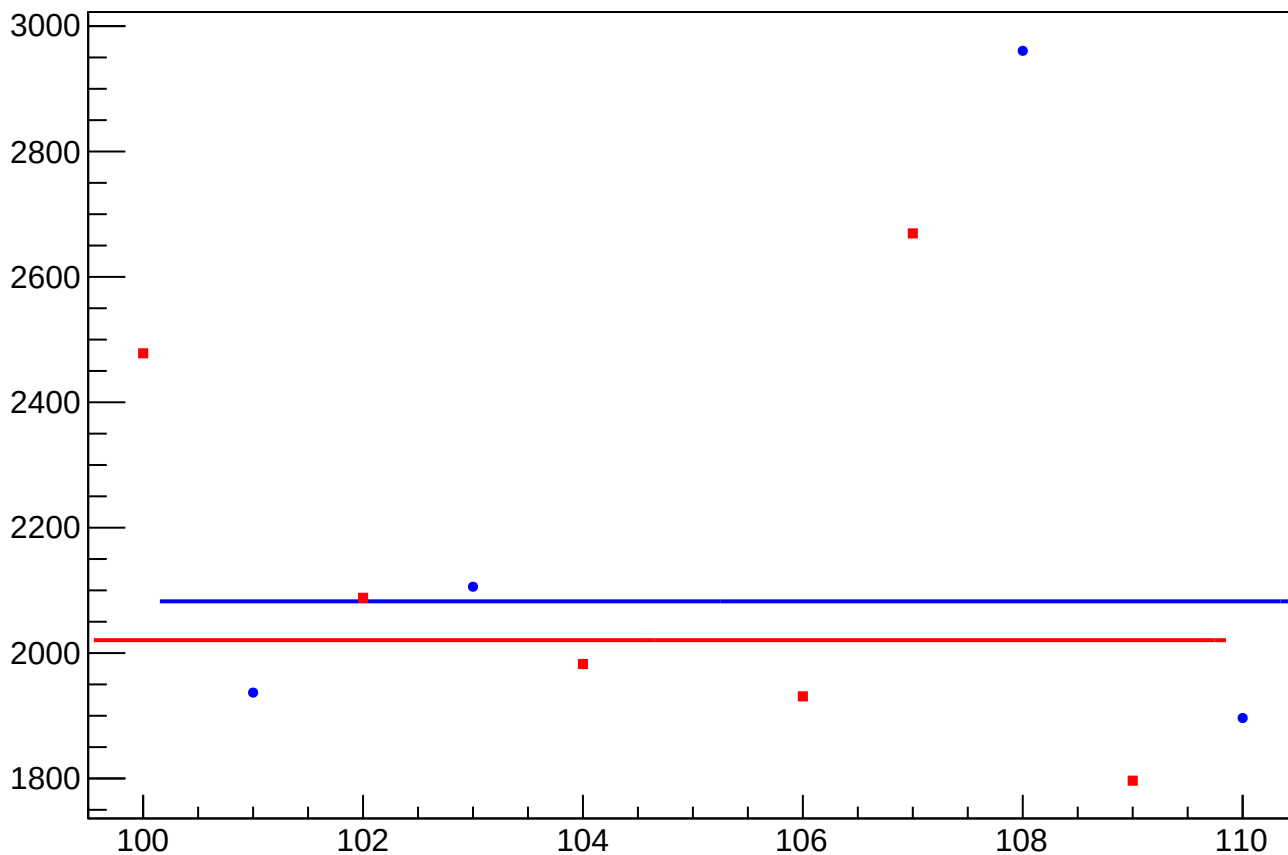
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-654.436+/-1536.438  $\chi^2/\text{NDF}$ : 9.6/3

-1768.319+/-1018.638  $\chi^2/\text{NDF}$ : 16.3/9

-2641.919+/-1360.667  $\chi^2/\text{NDF}$ : 5.8/5

# asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 2082.513+/-1.086  $\chi^2/\text{NDF}$ : 79828.3/3

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

Right Out: 2020.558+/-0.962  $\chi^2/\text{NDF}$ : 64963.3/5

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

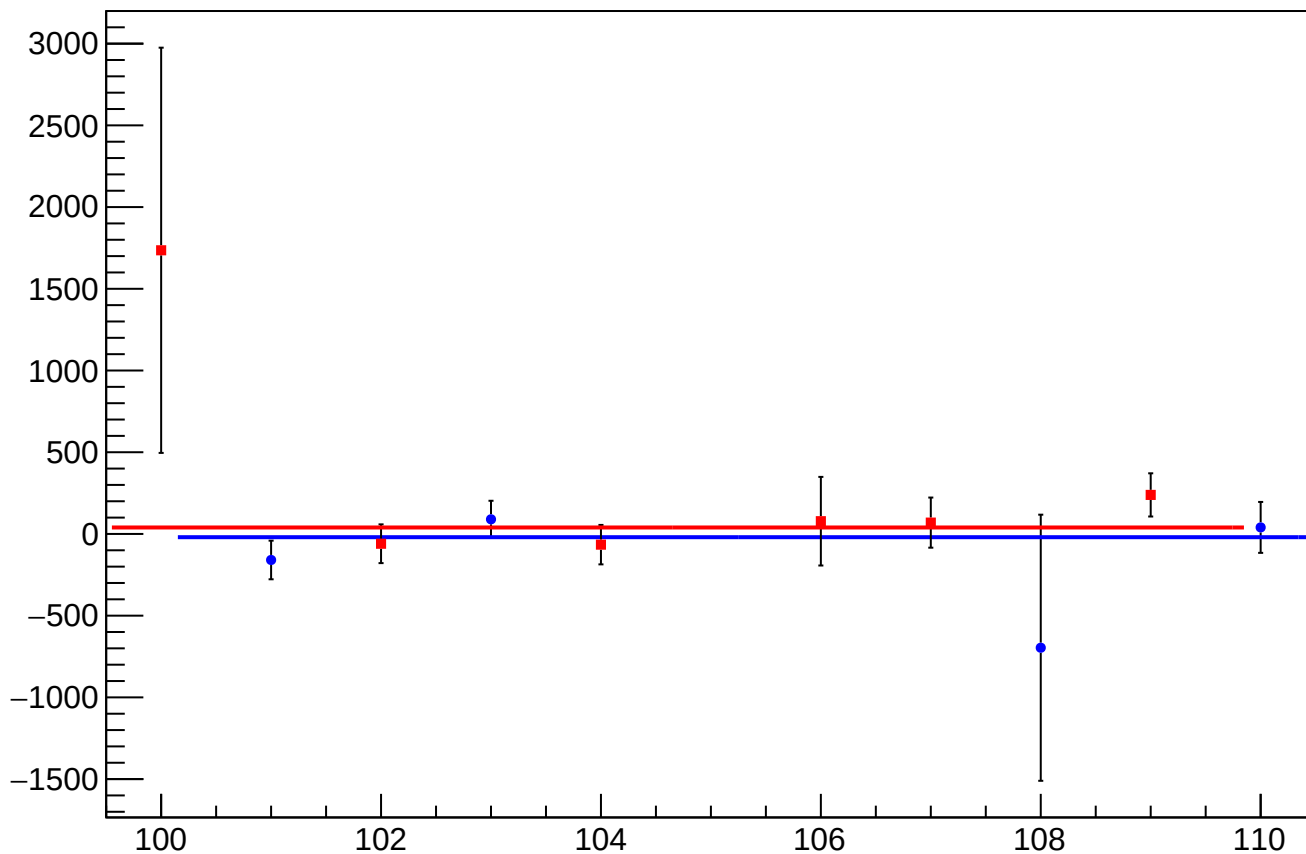
2082.513+/-1.086  $\chi^2/\text{NDF}$ : 79828.3/3

2047.790+/-0.720  $\chi^2/\text{NDF}$ : 146614.2/9

2020.558+/-0.962  $\chi^2/\text{NDF}$ : 64963.3/5



# dit\_asym\_sam5\_mean vs Slug, Sign Corrected



Right In:  $-19.897 \pm 72.128$   $\chi^2/\text{NDF}$ : 3.2/3

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

Right Out:  $39.556 \pm 62.764$   $\chi^2/\text{NDF}$ : 5.7/5

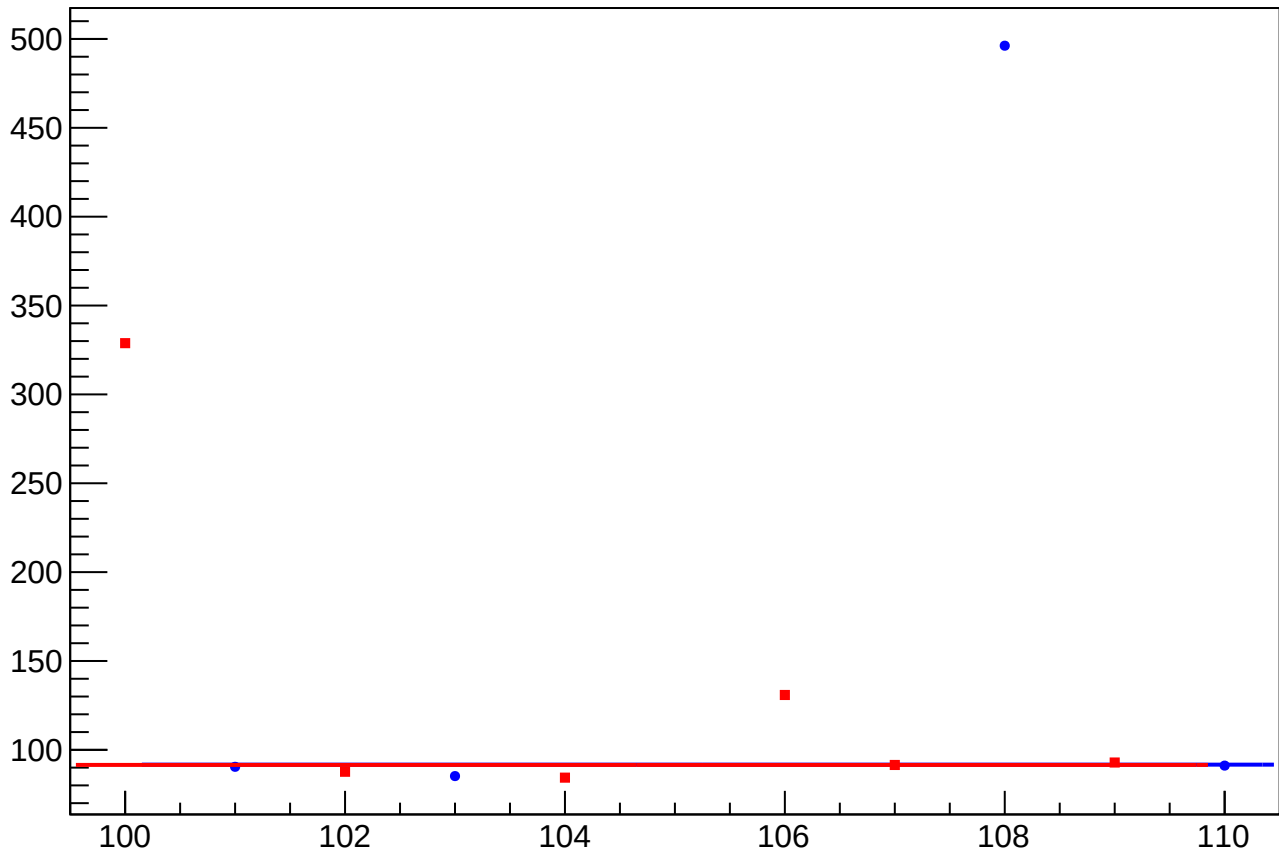
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-19.897 \pm 72.128$   $\chi^2/\text{NDF}$ : 3.2/3

$13.937 \pm 47.348$   $\chi^2/\text{NDF}$ : 9.2/9

$39.556 \pm 62.764$   $\chi^2/\text{NDF}$ : 5.7/5

# dit\_asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 91.674 $\pm$ 0.051  $\chi^2$ /NDF: 500451.4/3

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

Right Out: 91.522 $\pm$ 0.044  $\chi^2$ /NDF: 124776.5/5

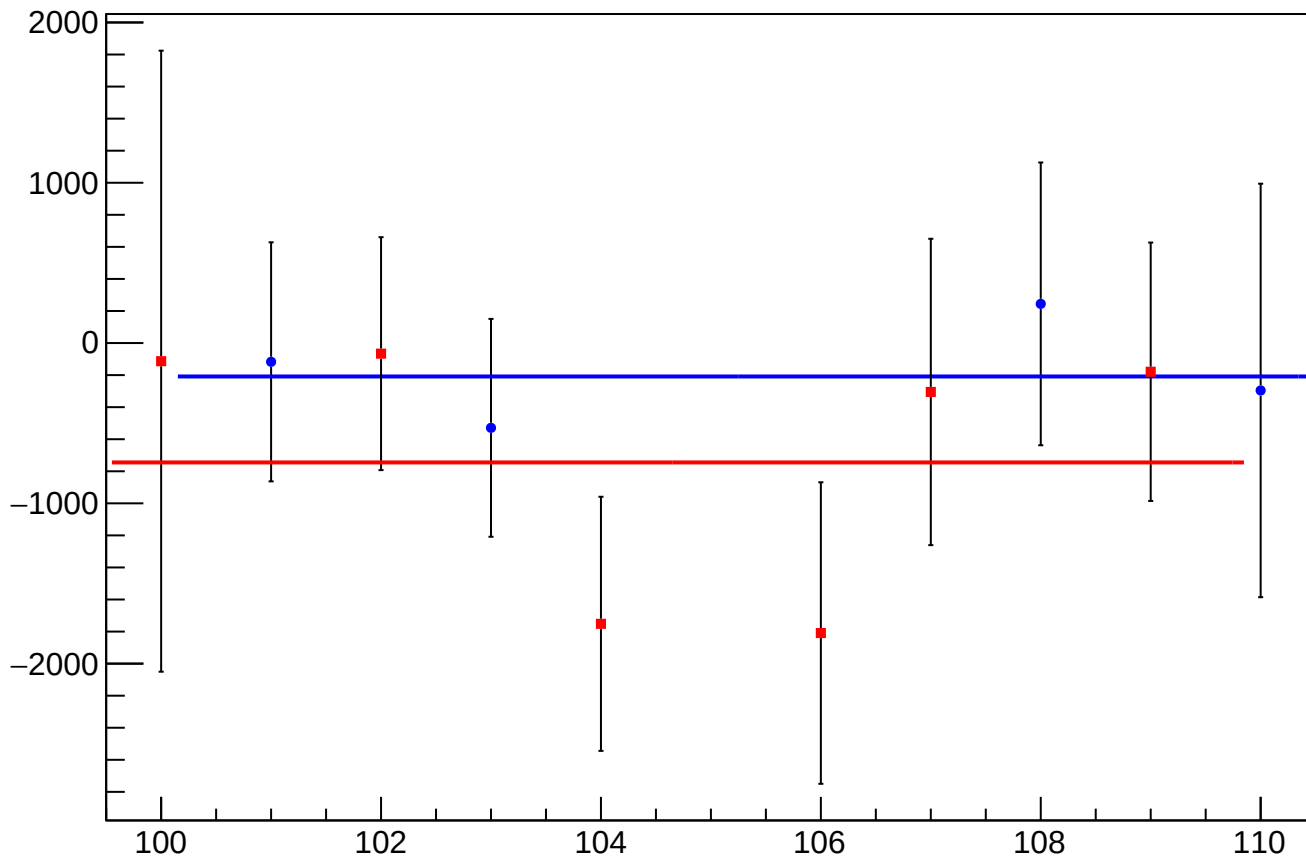
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

91.674 $\pm$ 0.051  $\chi^2$ /NDF: 500451.4/3

91.588 $\pm$ 0.033  $\chi^2$ /NDF: 625233.0/9

91.522 $\pm$ 0.044  $\chi^2$ /NDF: 124776.5/5

# asym\_sam5\_mean vs Slug, Sign Corrected



Right In: -208.477+/-413.456  $\chi^2/\text{NDF}$ : 0.5/3

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

Right Out: -744.782+/-364.733  $\chi^2/\text{NDF}$ : 4.6/5

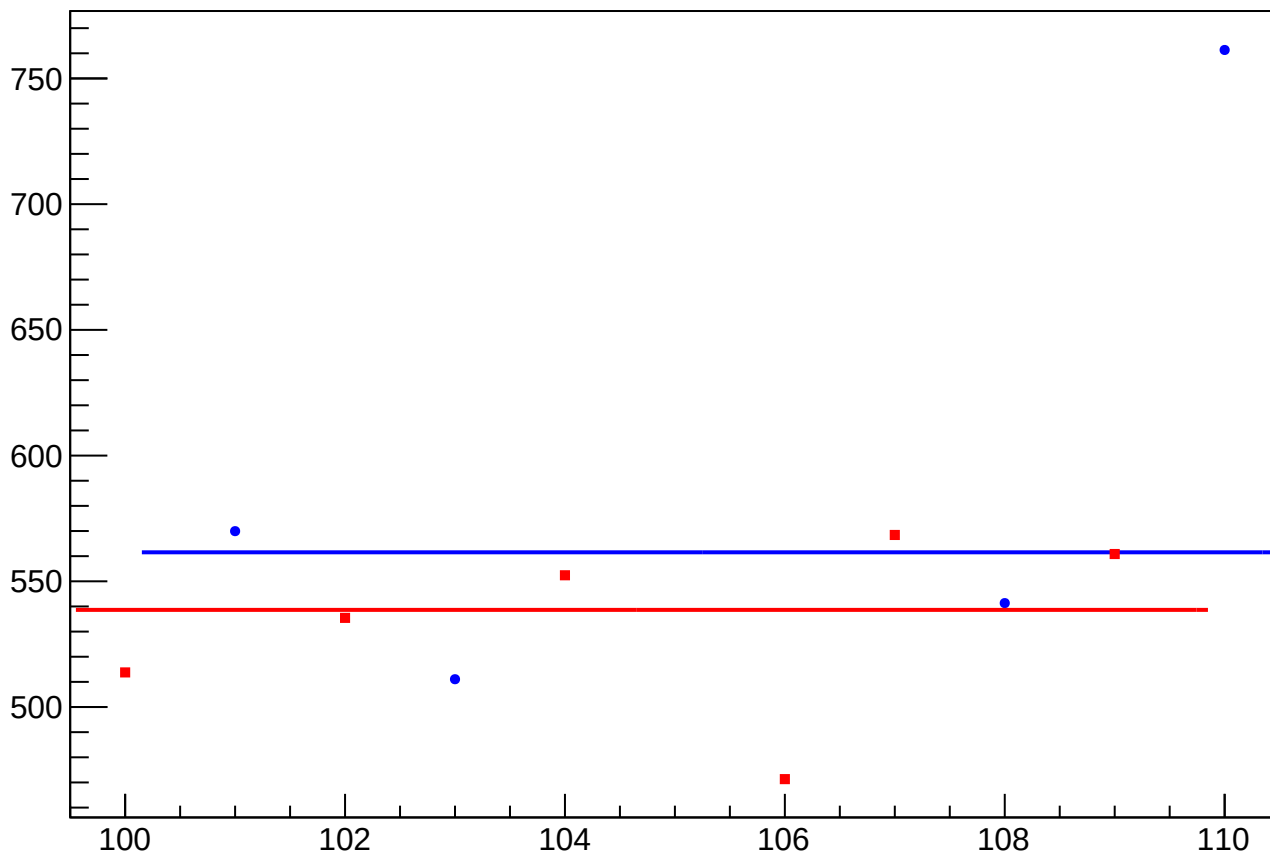
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-208.477+/-413.456  $\chi^2/\text{NDF}$ : 0.5/3

-510.077+/-273.517  $\chi^2/\text{NDF}$ : 6.0/9

-744.782+/-364.733  $\chi^2/\text{NDF}$ : 4.6/5

# asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 561.531+/-0.292  $\chi^2/\text{NDF}$ : 60321.5/3

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

Right Out: 538.634+/-0.258  $\chi^2/\text{NDF}$ : 14679.2/5

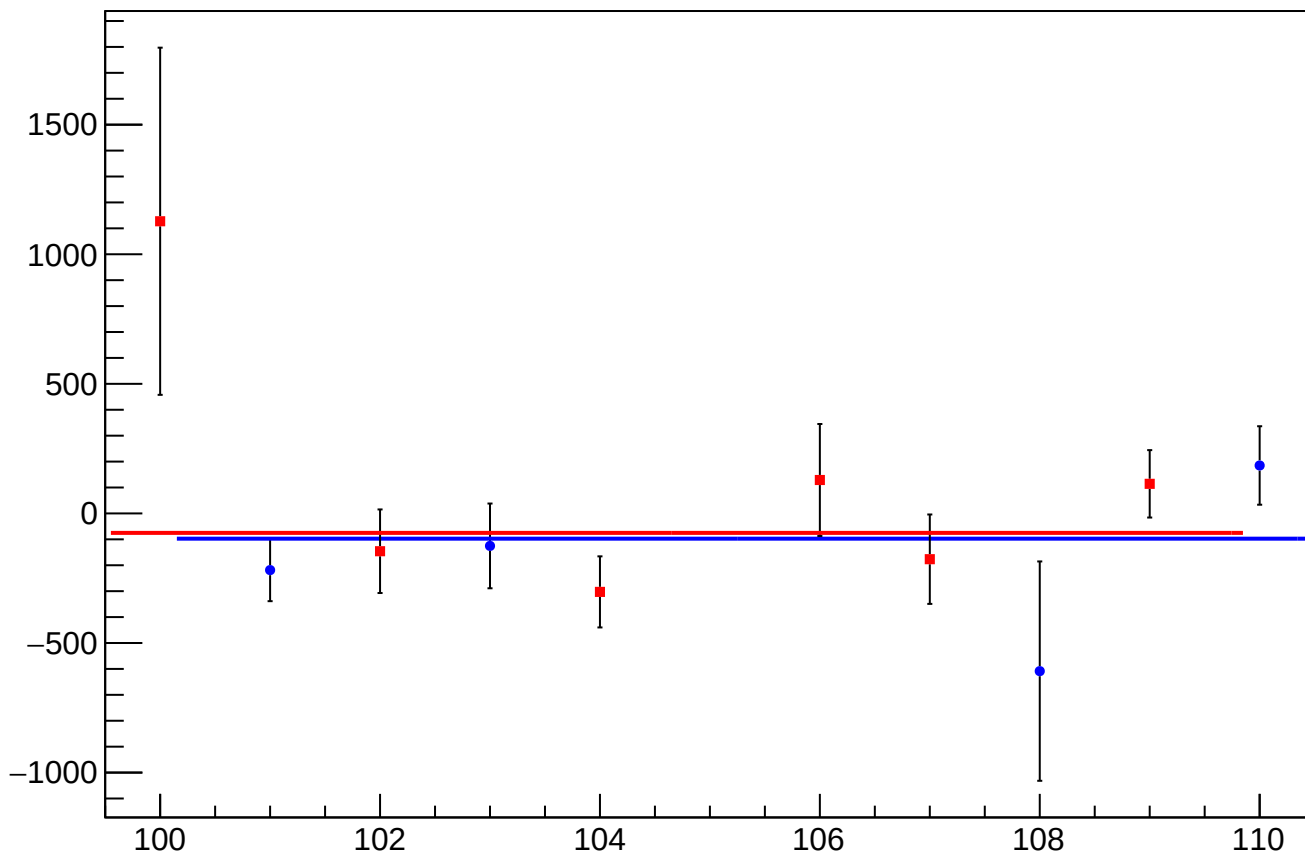
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

561.531+/-0.292  $\chi^2/\text{NDF}$ : 60321.5/3

548.655+/-0.193  $\chi^2/\text{NDF}$ : 78450.2/9

538.634+/-0.258  $\chi^2/\text{NDF}$ : 14679.2/5

# dit\_asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -97.428+/-80.040  $\chi^2$ /NDF: 6.0/3

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

Right Out: -75.096+/-69.341  $\chi^2$ /NDF: 9.5/5

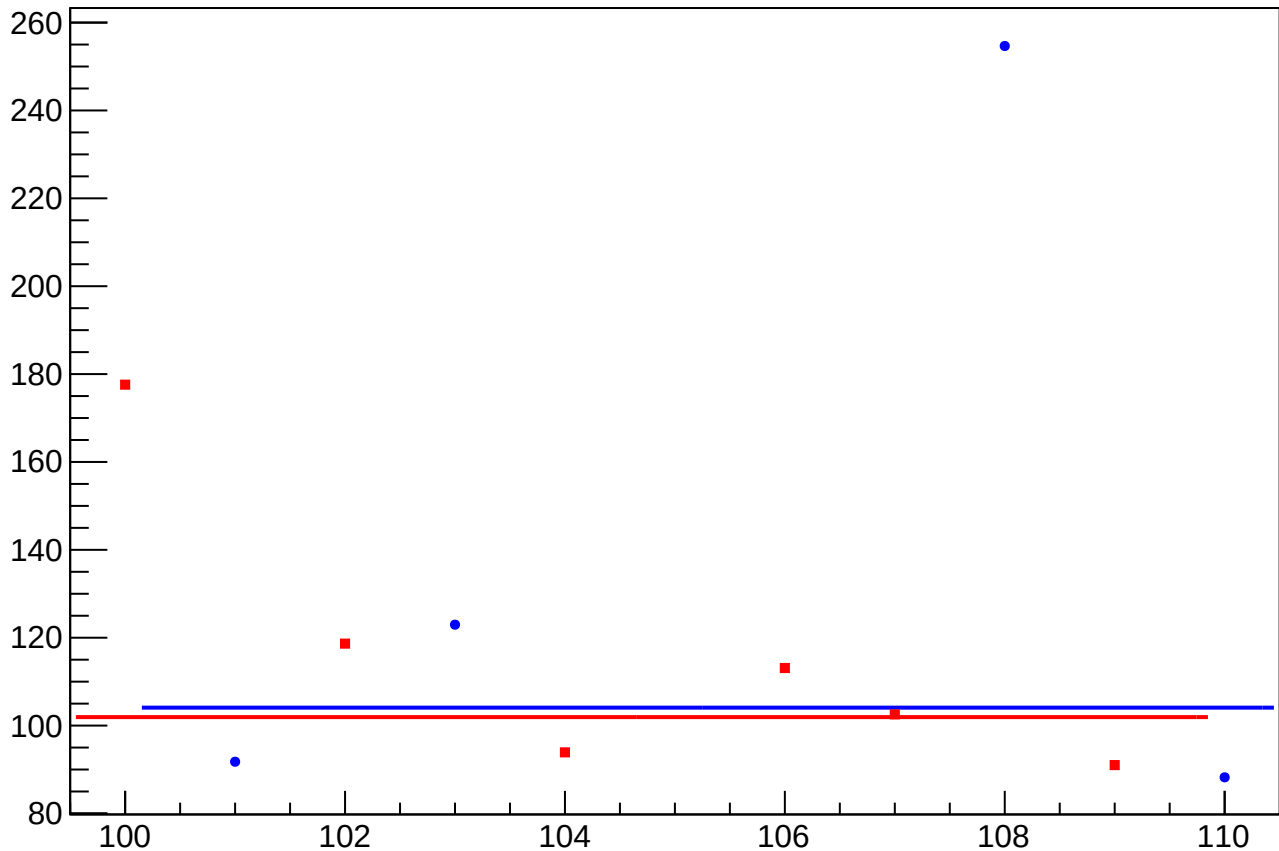
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-97.428+/-80.040  $\chi^2$ /NDF: 6.0/3

-84.671+/-52.409  $\chi^2$ /NDF: 15.6/9

-75.096+/-69.341  $\chi^2$ /NDF: 9.5/5

# dit\_asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 104.085 $\pm$ 0.057  $\chi^2$ /NDF: 322915.2/3

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

Right Out: 101.931 $\pm$ 0.049  $\chi^2$ /NDF: 73353.7/5

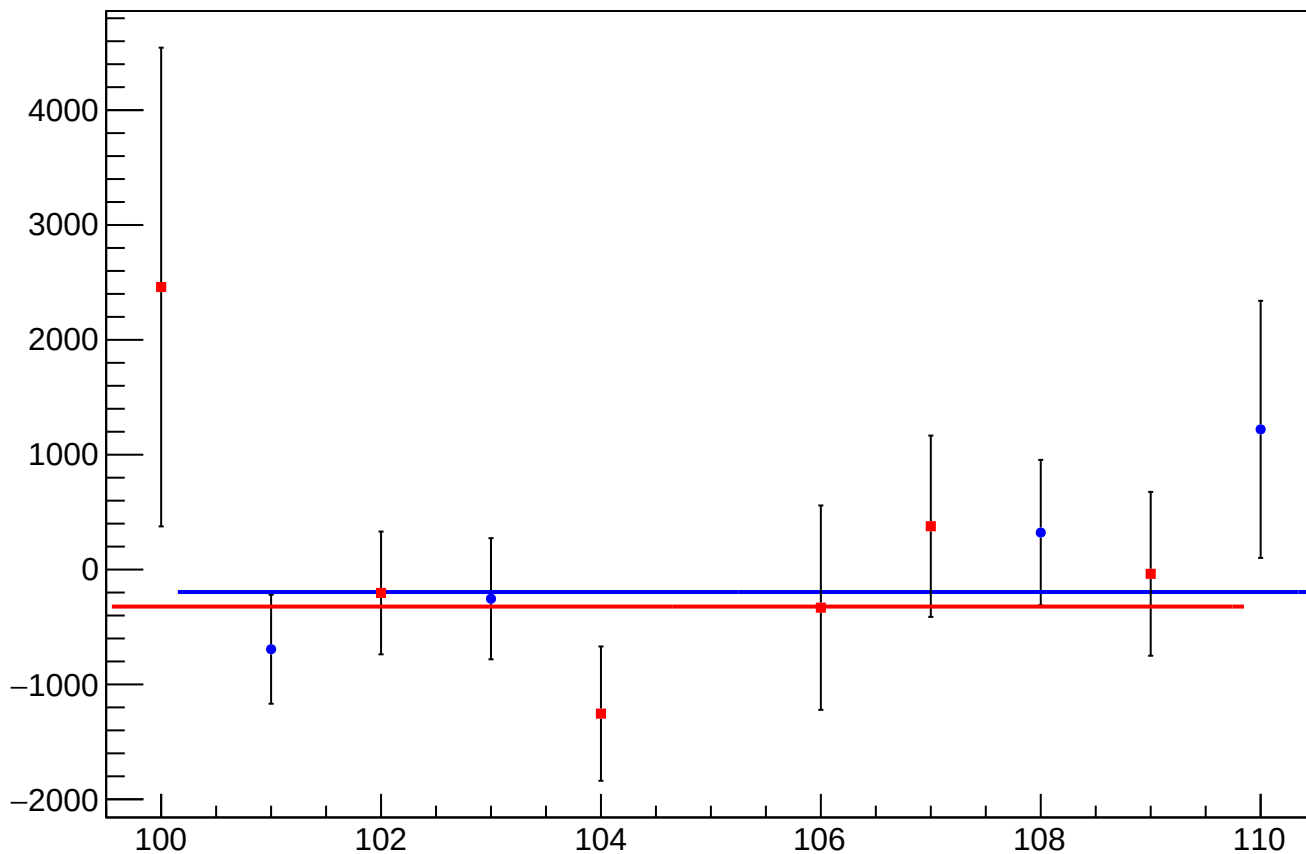
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

104.085 $\pm$ 0.057  $\chi^2$ /NDF: 322915.2/3

102.854 $\pm$ 0.037  $\chi^2$ /NDF: 397096.5/9

101.931 $\pm$ 0.049  $\chi^2$ /NDF: 73353.7/5

# asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -195.464+/-297.143  $\chi^2/\text{NDF}$ : 3.4/3

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

Right Out: -322.130+/-295.021  $\chi^2/\text{NDF}$ : 5.3/5

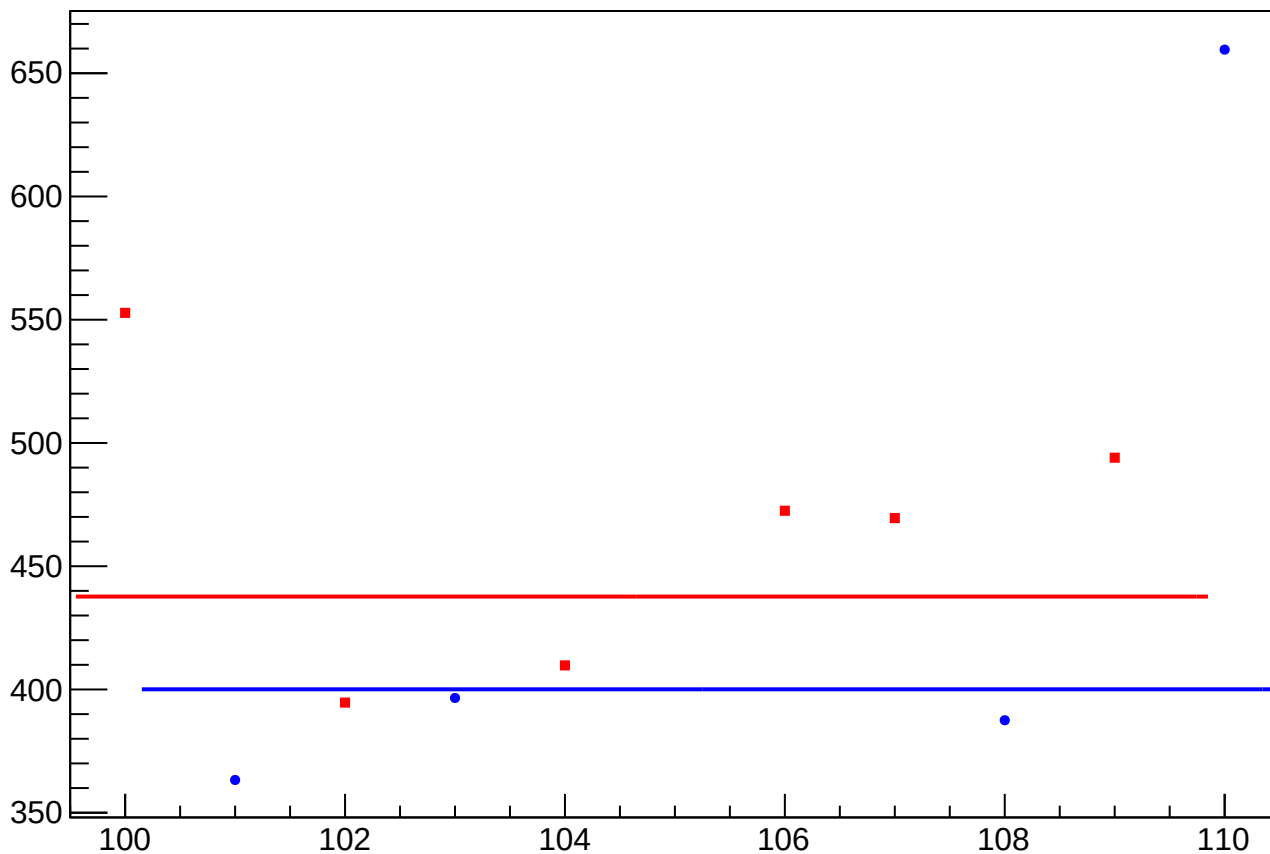
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-195.464+/-297.143  $\chi^2/\text{NDF}$ : 3.4/3

-259.250+/-209.358  $\chi^2/\text{NDF}$ : 8.8/9

-322.130+/-295.021  $\chi^2/\text{NDF}$ : 5.3/5

# asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 400.064+/-0.210  $\chi^2/\text{NDF}$ : 120396.7/3

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

Right Out: 437.690+/-0.209  $\chi^2/\text{NDF}$ : 42403.5/5

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

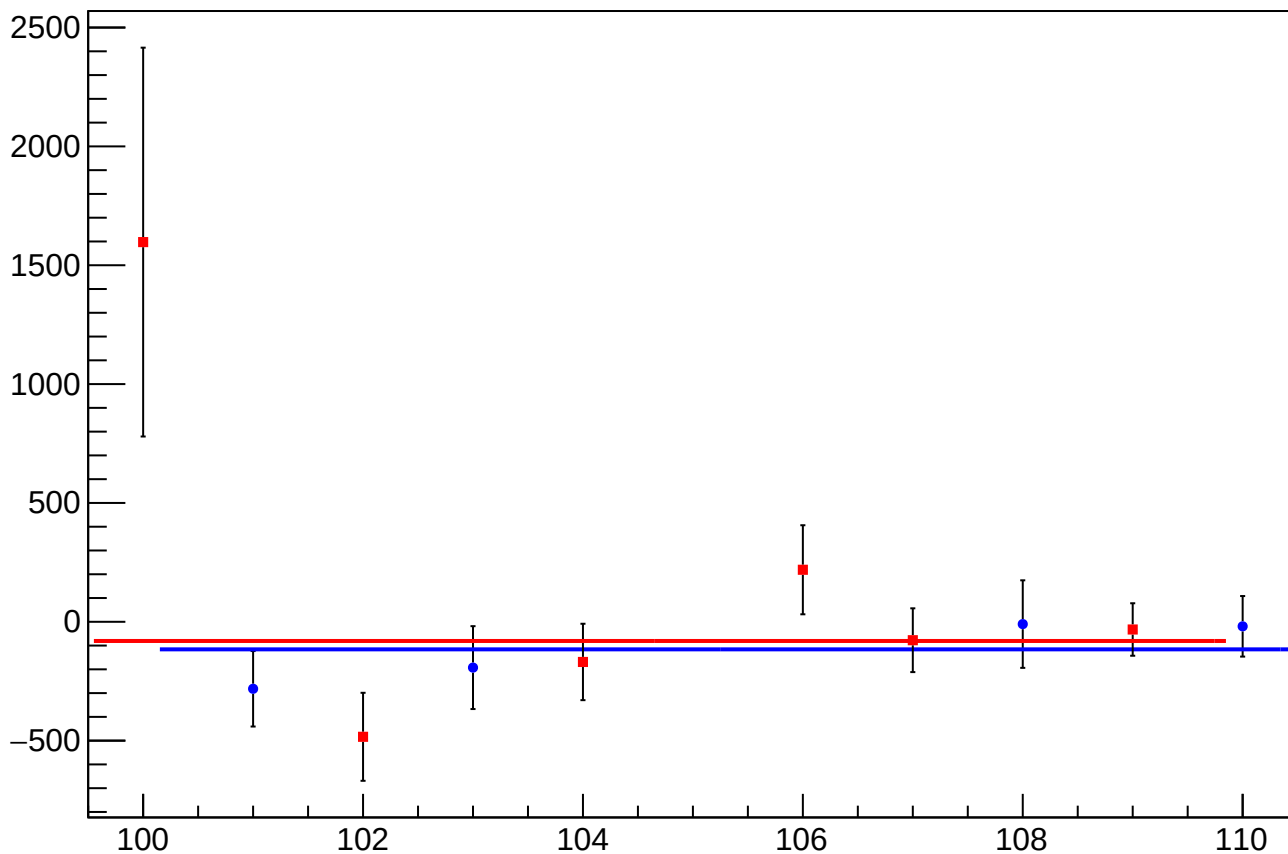
400.064+/-0.210  $\chi^2/\text{NDF}$ : 120396.7/3

419.012+/-0.148  $\chi^2/\text{NDF}$ : 178949.0/9

437.690+/-0.209  $\chi^2/\text{NDF}$ : 42403.5/5



# dit\_asym\_sam7\_mean vs Slug, Sign Corrected



Right In: -115.947+/-78.160  $\chi^2/\text{NDF}$ : 2.2/3

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

Right Out: -80.688+/-65.162  $\chi^2/\text{NDF}$ : 12.0/5

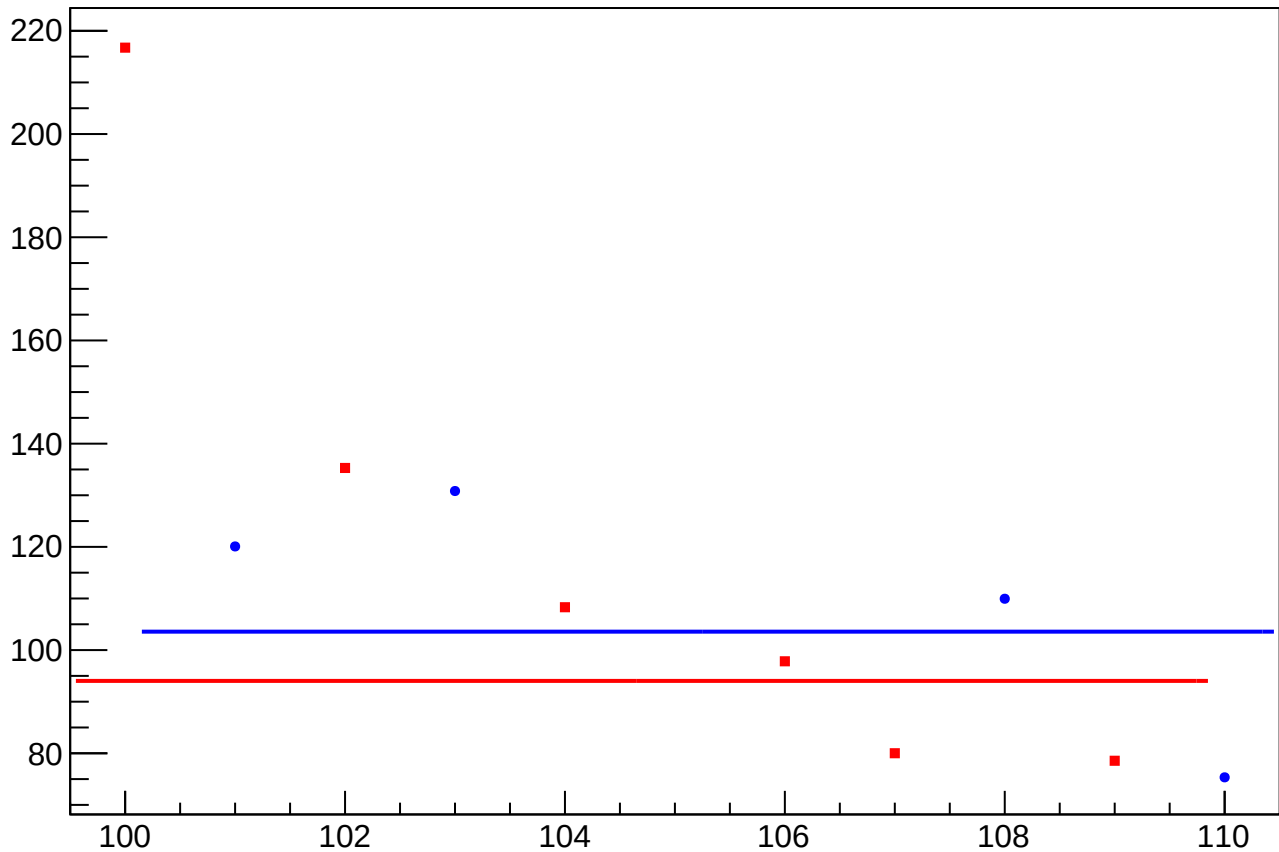
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-115.947+/-78.160  $\chi^2/\text{NDF}$ : 2.2/3

-95.146+/-50.050  $\chi^2/\text{NDF}$ : 14.3/9

-80.688+/-65.162  $\chi^2/\text{NDF}$ : 12.0/5

# dit\_asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 103.571 $\pm$ 0.055  $\chi^2$ /NDF: 171154.9/3

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

Right Out: 94.028 $\pm$ 0.046  $\chi^2$ /NDF: 222145.2/5

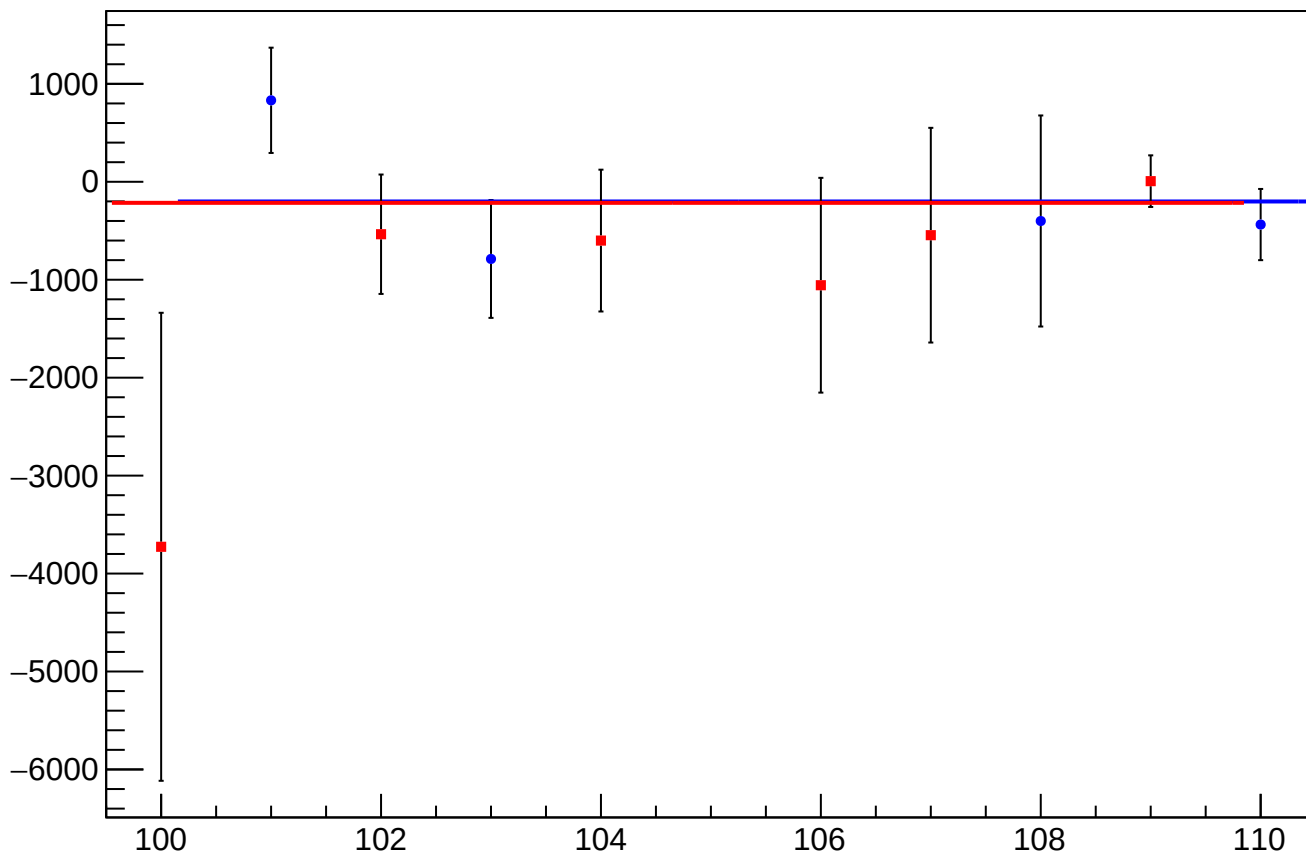
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

103.571 $\pm$ 0.055  $\chi^2$ /NDF: 171154.9/3

97.941 $\pm$ 0.035  $\chi^2$ /NDF: 410891.2/9

94.028 $\pm$ 0.046  $\chi^2$ /NDF: 222145.2/5

# asym\_sam7\_mean vs Slug, Sign Corrected



Right In: -201.017+/-261.243  $\chi^2/\text{NDF}$ : 5.1/3

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

Right Out: -214.879+/-219.054  $\chi^2/\text{NDF}$ : 4.1/5

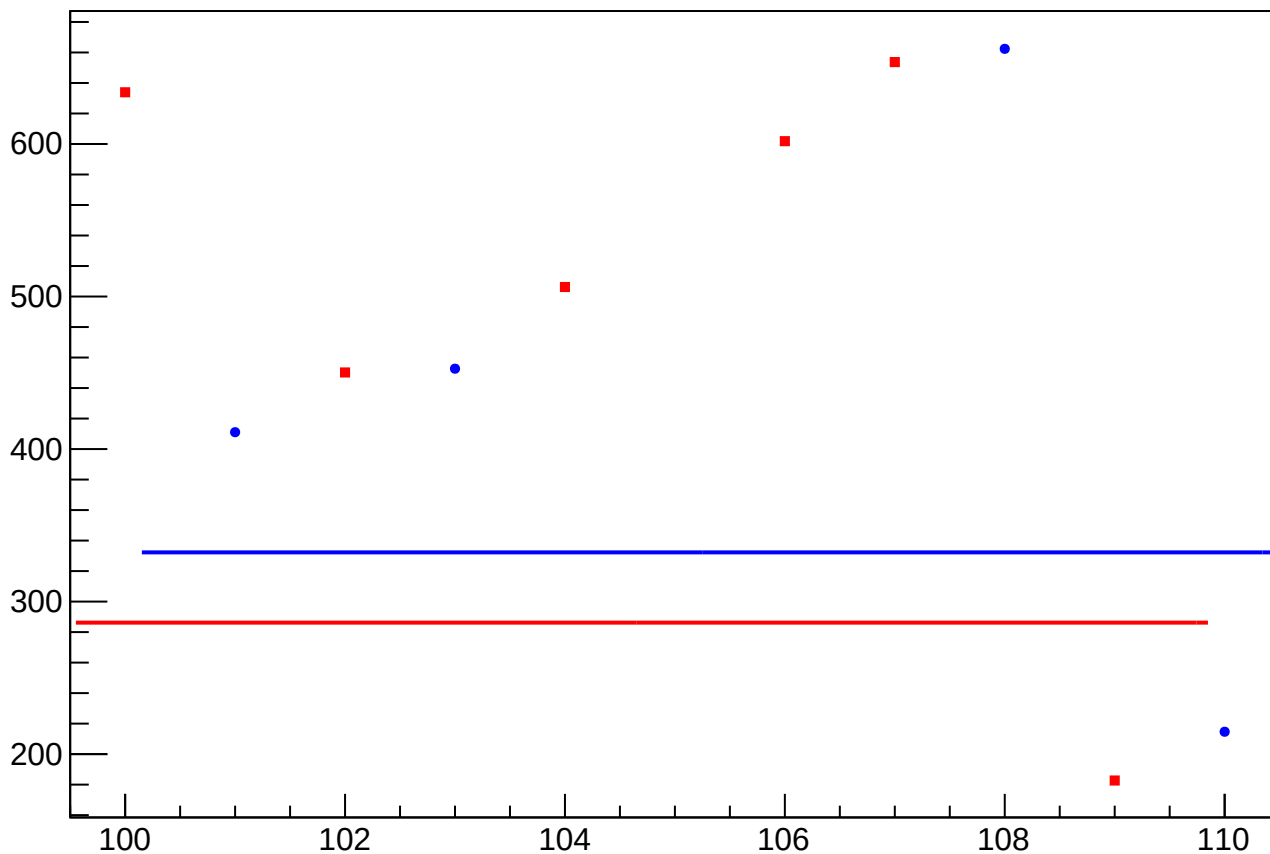
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-201.017+/-261.243  $\chi^2/\text{NDF}$ : 5.1/3

-209.156+/-167.854  $\chi^2/\text{NDF}$ : 9.2/9

-214.879+/-219.054  $\chi^2/\text{NDF}$ : 4.1/5

# asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 332.260+/-0.185  $\chi^2/\text{NDF}$ : 520139.8/3

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

Right Out: 286.207+/-0.155  $\chi^2/\text{NDF}$ : 1071112.0/5

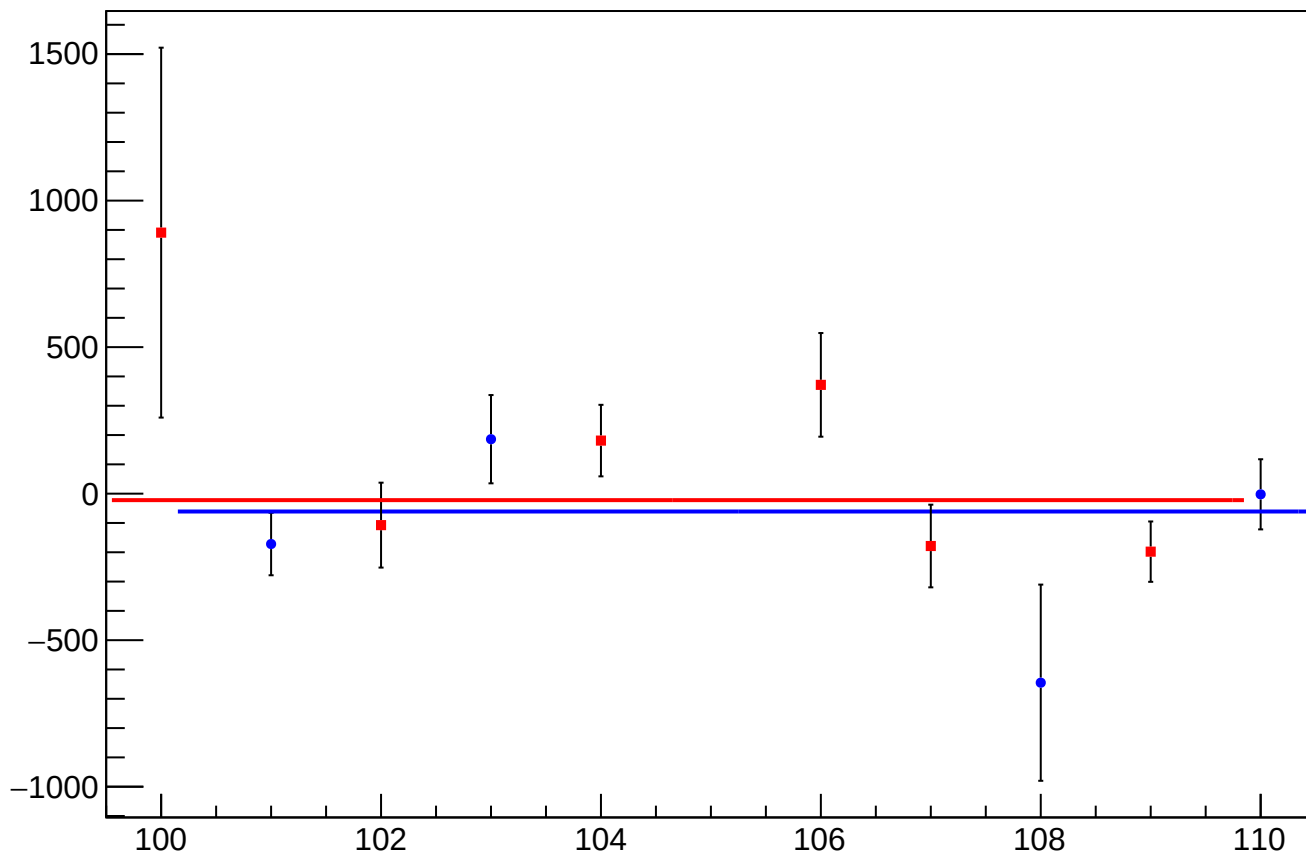
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

332.260+/-0.185  $\chi^2/\text{NDF}$ : 520139.8/3

305.219+/-0.119  $\chi^2/\text{NDF}$ : 1627746.3/9

286.207+/-0.155  $\chi^2/\text{NDF}$ : 1071112.0/5

# dit\_asym\_sam8\_mean vs Slug, Sign Corrected



Right In: -60.901+/-68.881  $\chi^2$ /NDF: 7.1/3

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

Right Out: -22.125+/-58.336  $\chi^2$ /NDF: 14.3/5

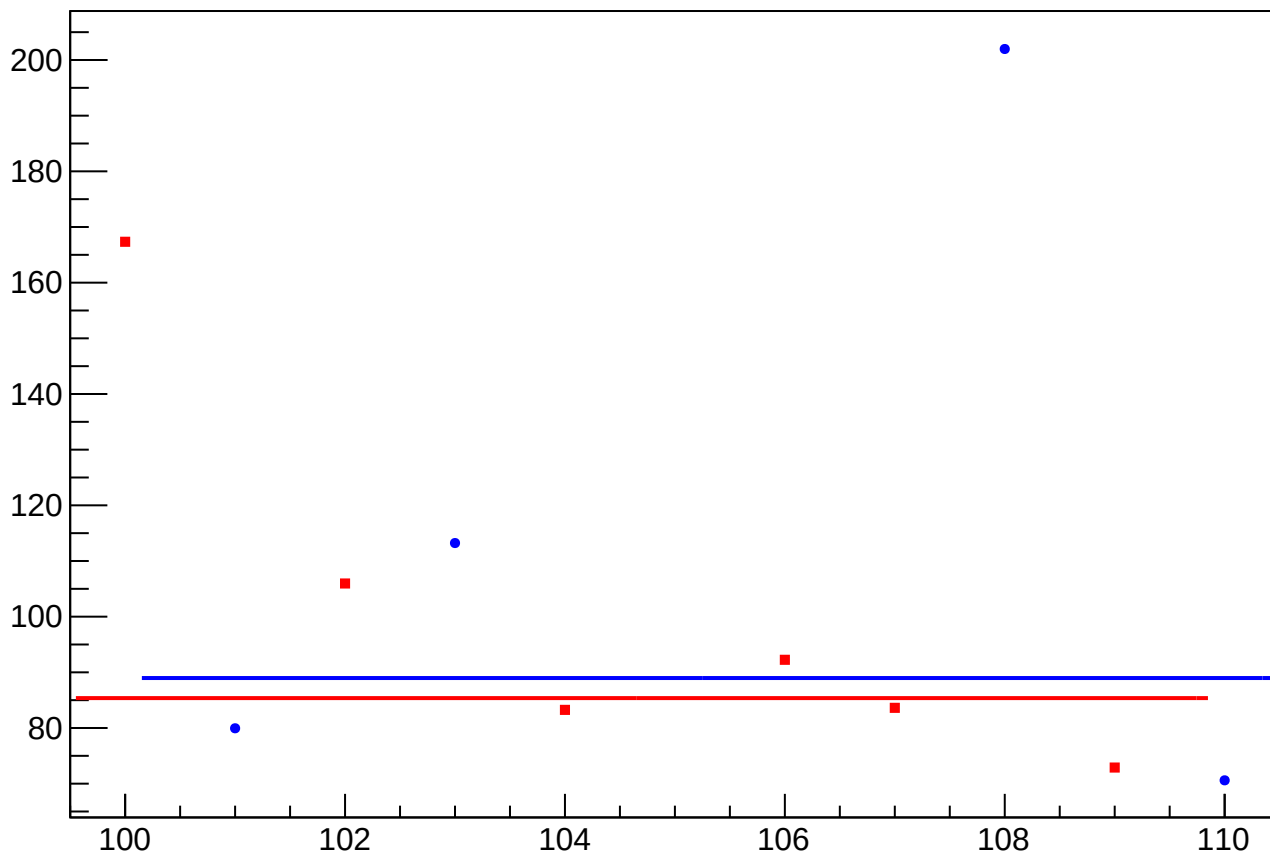
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-60.901+/-68.881  $\chi^2$ /NDF: 7.1/3

-38.321+/-44.516  $\chi^2$ /NDF: 21.5/9

-22.125+/-58.336  $\chi^2$ /NDF: 14.3/5

# dit\_asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 88.976 $\pm$ 0.049  $\chi^2$ /NDF: 341218.7/3

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

Right Out: 85.371 $\pm$ 0.041  $\chi^2$ /NDF: 107422.0/5

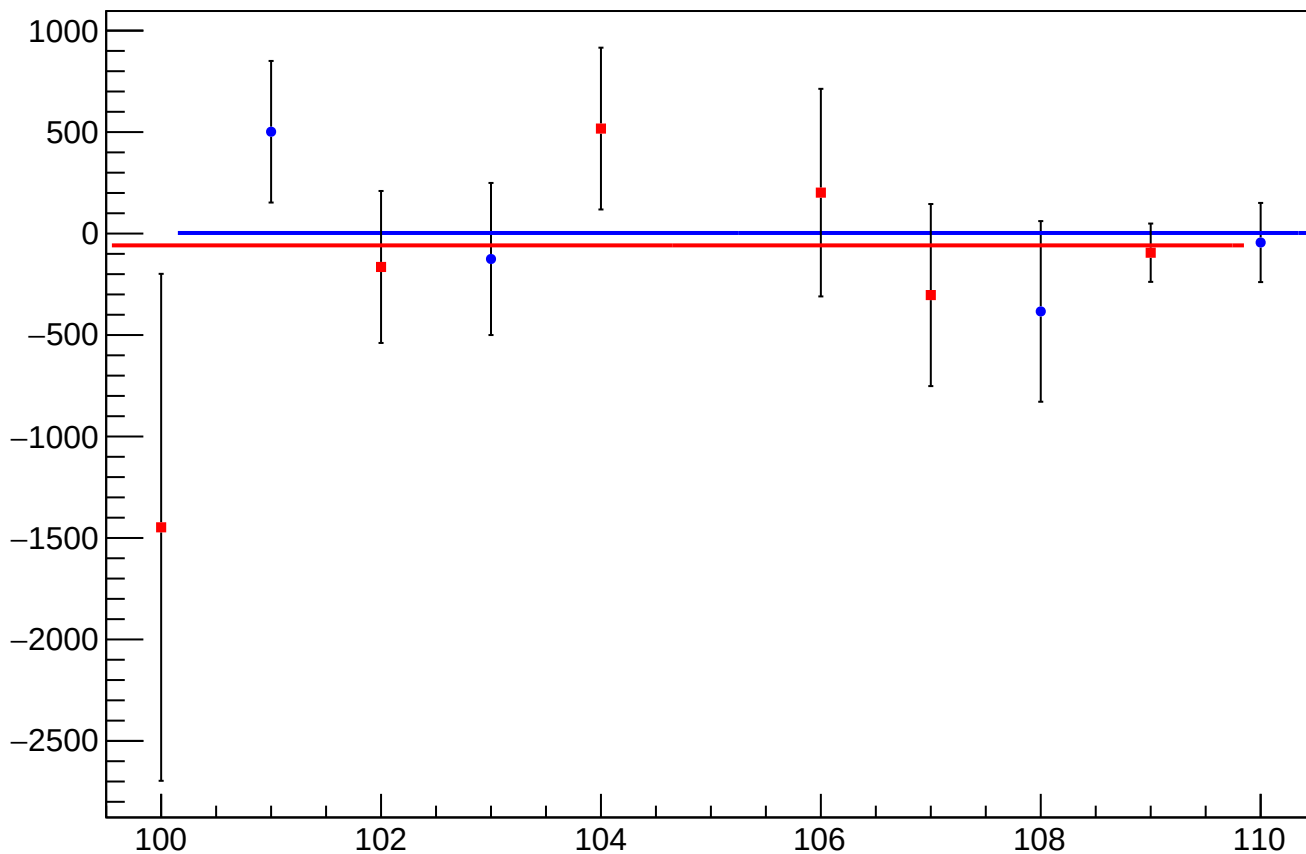
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

88.976 $\pm$ 0.049  $\chi^2$ /NDF: 341218.7/3

86.876 $\pm$ 0.031  $\chi^2$ /NDF: 451831.5/9

85.371 $\pm$ 0.041  $\chi^2$ /NDF: 107422.0/5

# asym\_sam8\_mean vs Slug, Sign Corrected



Right In:  $2.882 \pm 146.381$   $\chi^2/\text{NDF}$ : 3.0/3

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

Right Out:  $-58.220 \pm 118.420$   $\chi^2/\text{NDF}$ : 4.0/5

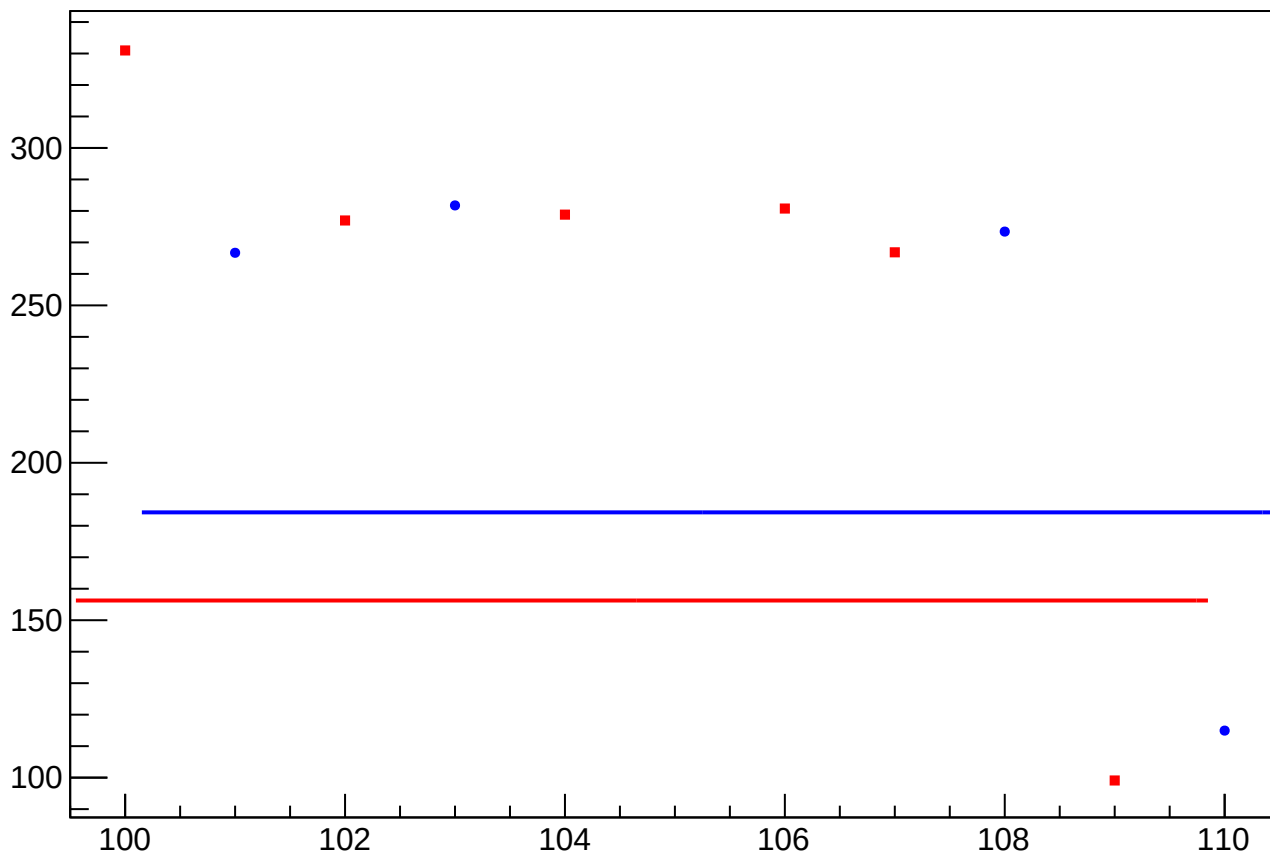
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$2.882 \pm 146.381$   $\chi^2/\text{NDF}$ : 3.0/3

$-34.050 \pm 92.065$   $\chi^2/\text{NDF}$ : 7.1/9

$-58.220 \pm 118.420$   $\chi^2/\text{NDF}$ : 4.0/5

# asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 184.257 $\pm$ 0.104  $\chi^2$ /NDF: 579987.7/3

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

Right Out: 156.260 $\pm$ 0.084  $\chi^2$ /NDF: 992746.6/5

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

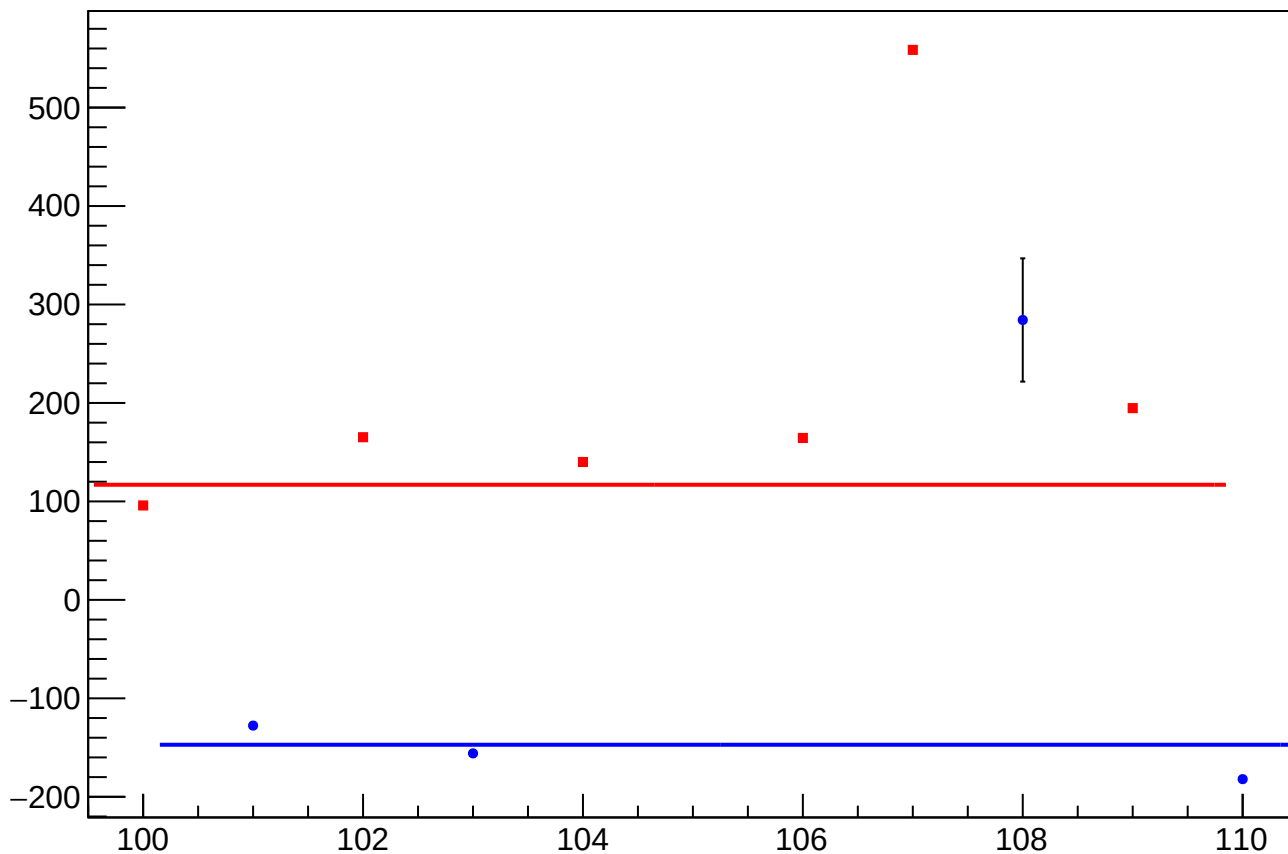
184.257 $\pm$ 0.104  $\chi^2$ /NDF: 579987.7/3

167.335 $\pm$ 0.065  $\chi^2$ /NDF: 1616953.7/9

156.260 $\pm$ 0.084  $\chi^2$ /NDF: 992746.6/5



# dit\_usl\_4aX\_slope vs Slug, Sign Corrected



Right In: -147.133+/-0.558  $\chi^2/\text{NDF}$ : 1099.8/3

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

Right Out: 116.921+/-0.346  $\chi^2/\text{NDF}$ : 45466.3/5

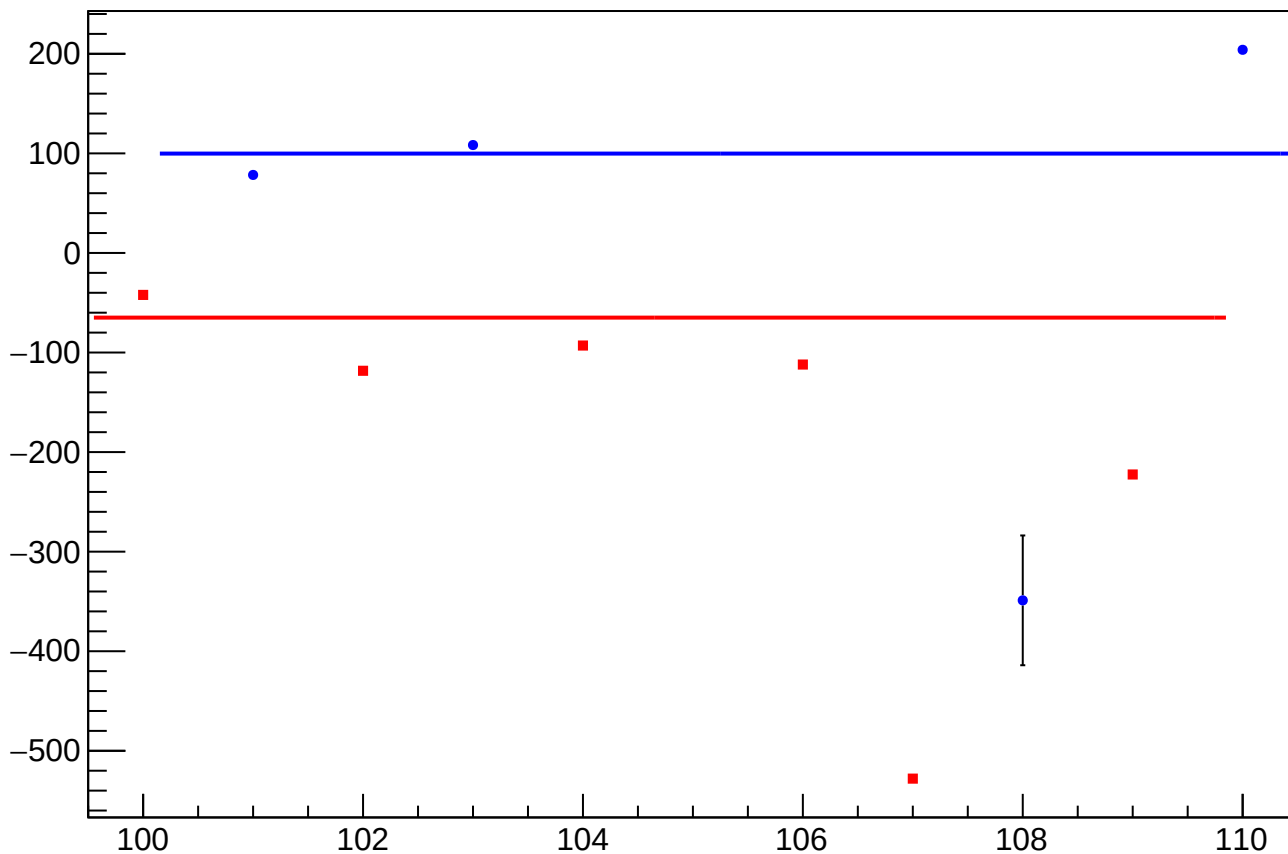
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-147.133+/-0.558  $\chi^2/\text{NDF}$ : 1099.8/3

43.598+/-0.294  $\chi^2/\text{NDF}$ : 208490.0/9

116.921+/-0.346  $\chi^2/\text{NDF}$ : 45466.3/5

# dit\_usl\_4eX\_slope vs Slug, Sign Corrected



Right In: 99.796+/-0.549  $\chi^2/\text{NDF}$ : 3293.6/3

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

Right Out: -64.944+/-0.346  $\chi^2/\text{NDF}$ : 53607.7/5

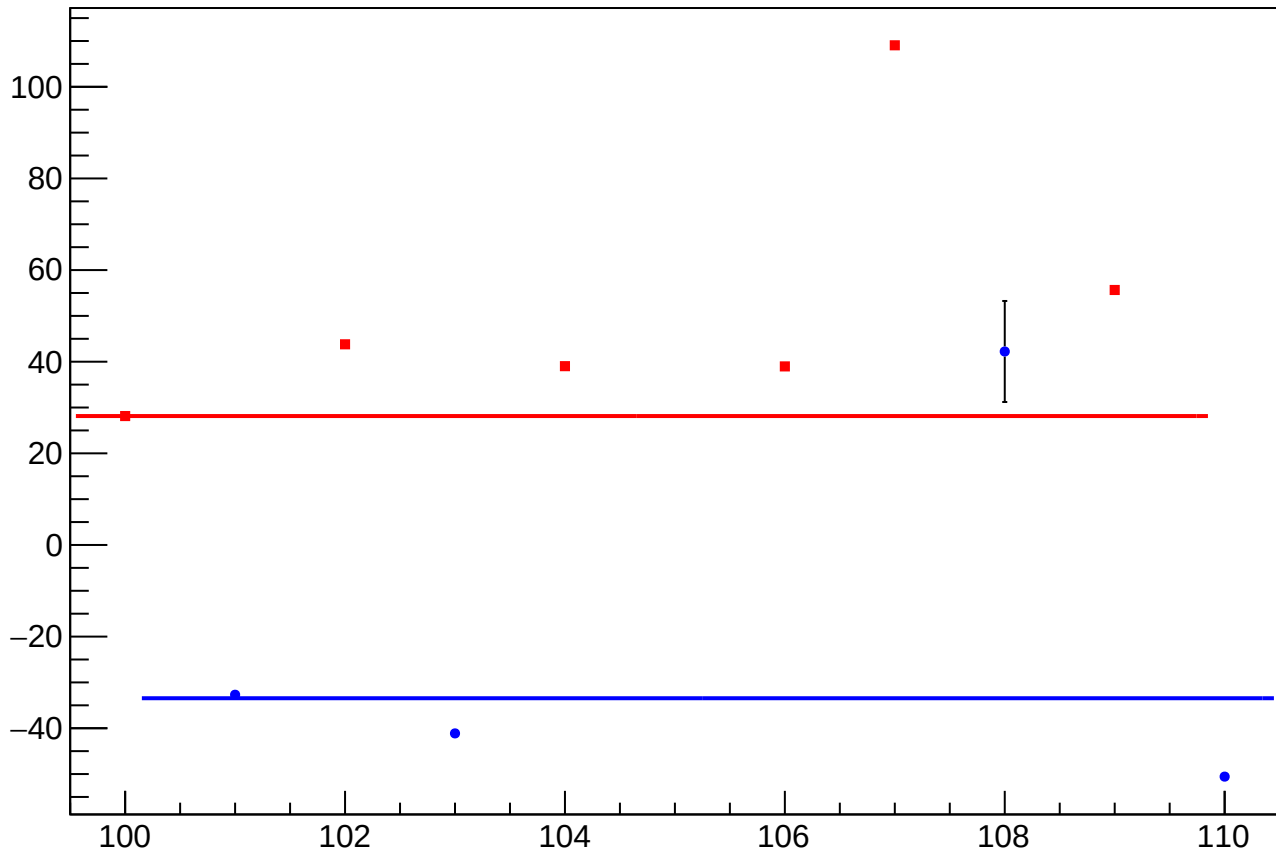
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

99.796+/-0.549  $\chi^2/\text{NDF}$ : 3293.6/3

-18.121+/-0.293  $\chi^2/\text{NDF}$ : 121285.3/9

-64.944+/-0.346  $\chi^2/\text{NDF}$ : 53607.7/5

# dit\_usl\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-33.453 \pm 0.035$   $\chi^2/\text{NDF}$ : 7317.7/3

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

Right Out:  $28.139 \pm 0.000$   $\chi^2/\text{NDF}$ : 383114.8/5

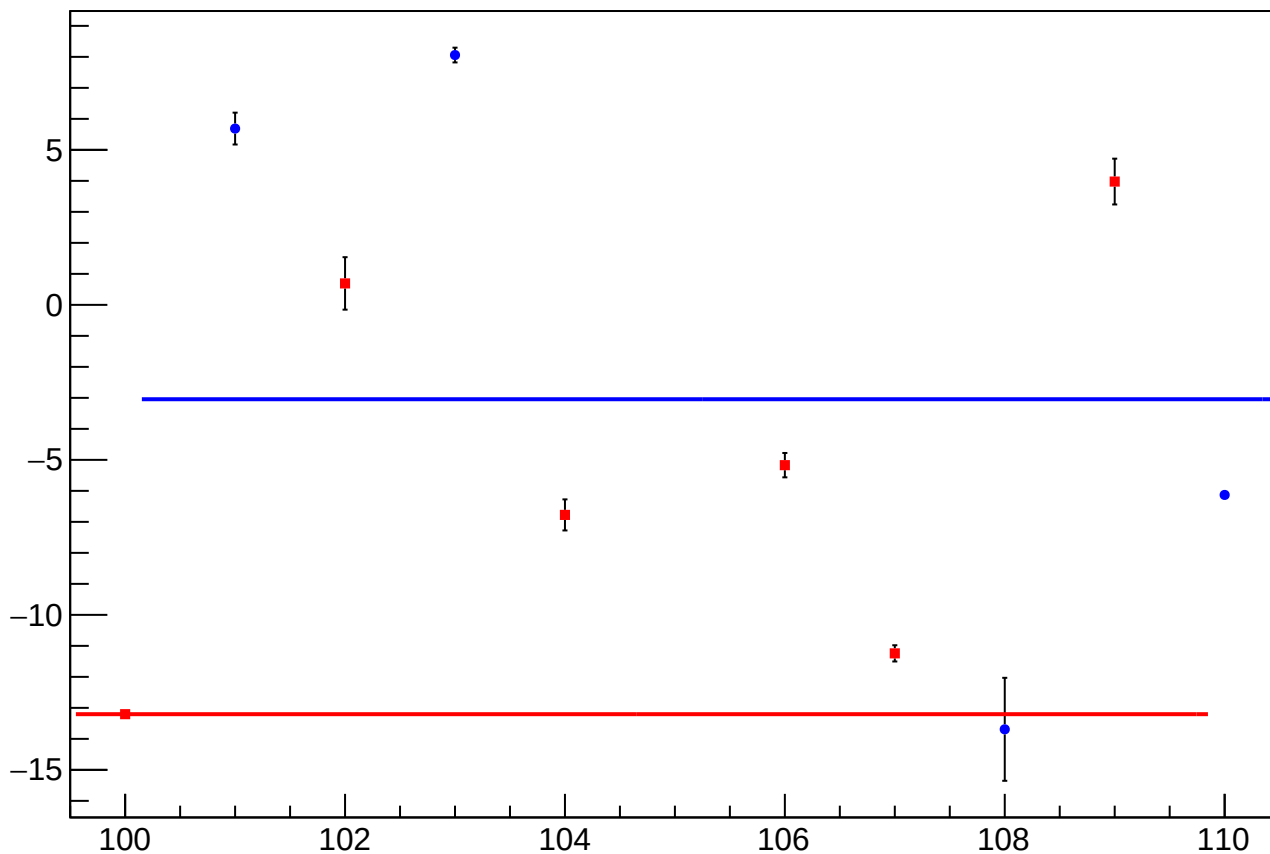
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-33.453 \pm 0.035$   $\chi^2/\text{NDF}$ : 7317.7/3

$28.139 \pm 0.000$   $\chi^2/\text{NDF}$ : 3451345.8/9

$28.139 \pm 0.000$   $\chi^2/\text{NDF}$ : 383114.8/5

# dit\_usl\_4aY\_slope vs Slug, Sign Corrected



Right In: -3.044+/-0.103  $\chi^2$ /NDF: 3202.4/3

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

Right Out: -13.204+/-0.000  $\chi^2$ /NDF: 1455.4/5

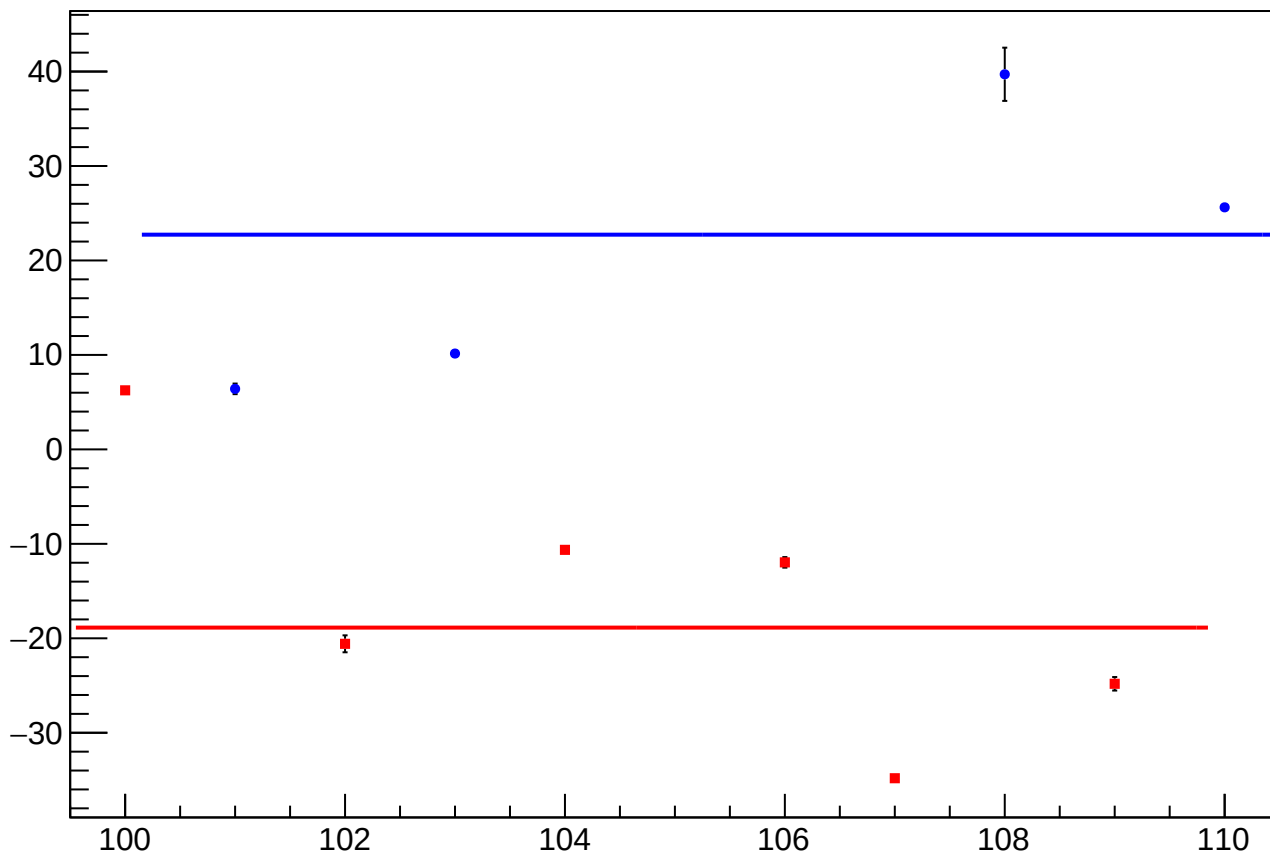
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-3.044+/-0.103  $\chi^2$ /NDF: 3202.4/3

-13.204+/-0.000  $\chi^2$ /NDF: 14442.8/9

-13.204+/-0.000  $\chi^2$ /NDF: 1455.4/5

# dit\_usl\_4eY\_slope vs Slug, Sign Corrected



Right In: 22.730+/-0.106  $\chi^2/\text{NDF}$ : 3542.0/3

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

Right Out: -18.867+/-0.180  $\chi^2/\text{NDF}$ : 8363.5/5

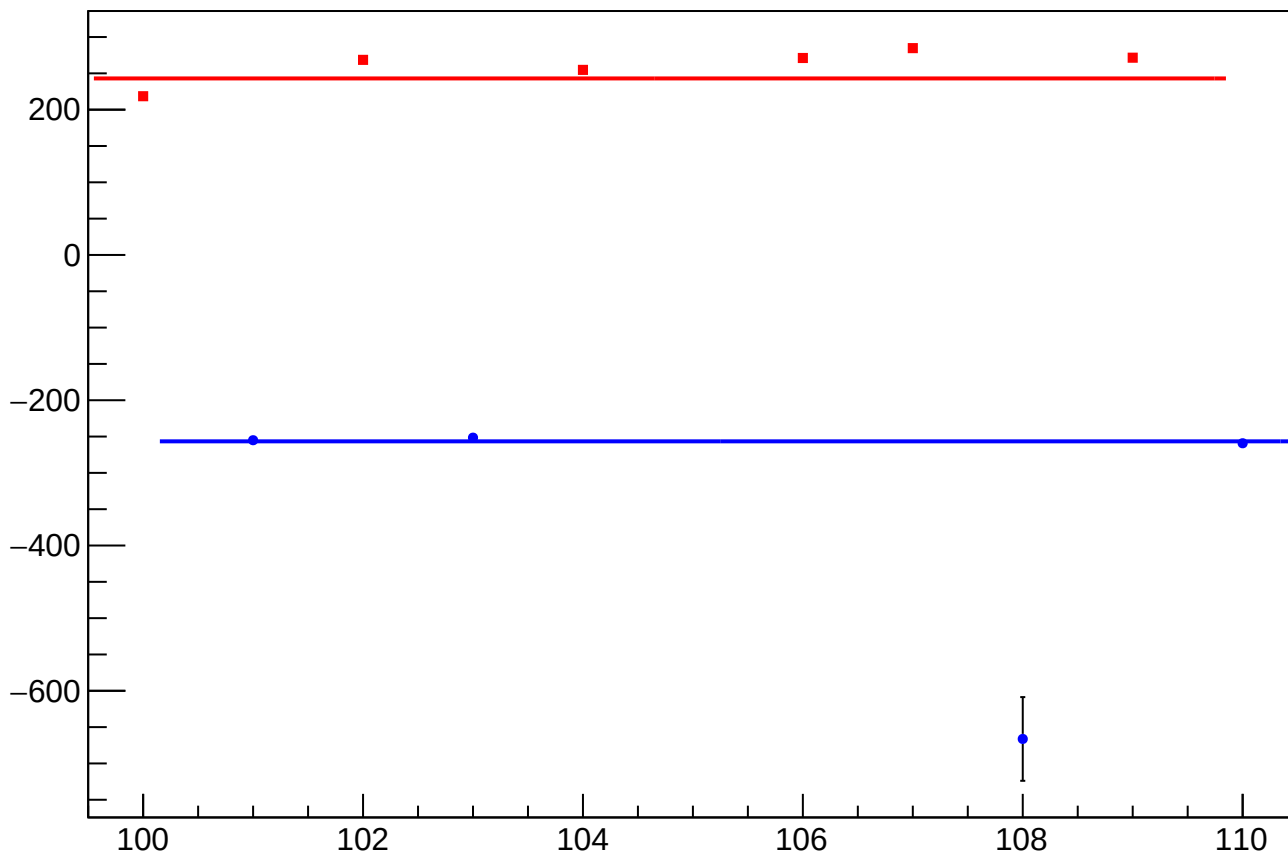
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

22.730+/-0.106  $\chi^2/\text{NDF}$ : 3542.0/3

12.055+/-0.091  $\chi^2/\text{NDF}$ : 51676.0/9

-18.867+/-0.180  $\chi^2/\text{NDF}$ : 8363.5/5

# dit\_usr\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-256.586 \pm 0.774$   $\chi^2/\text{NDF}: 70.1/3$

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

Right Out:  $243.001 \pm 0.267$   $\chi^2/\text{NDF}: 9722.9/5$

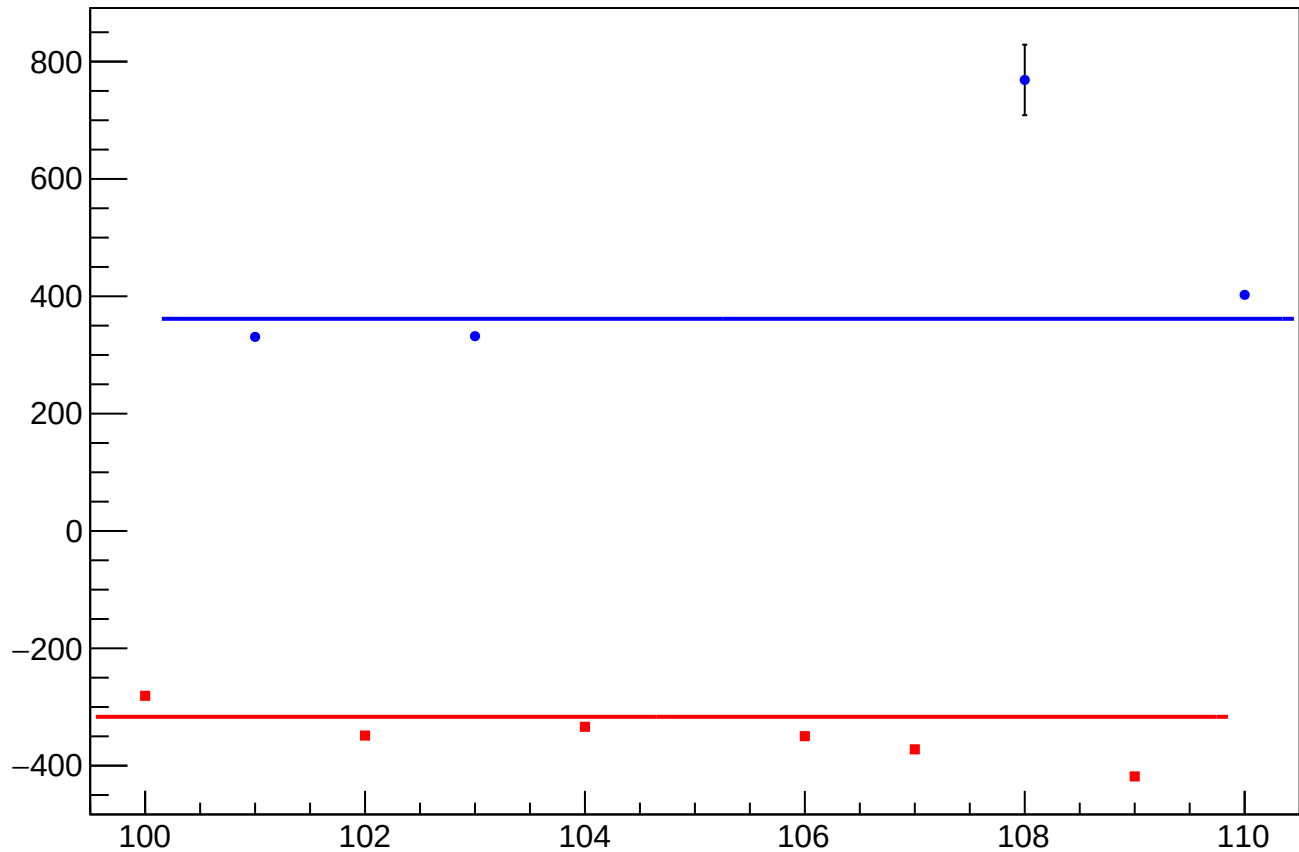
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-256.586 \pm 0.774$   $\chi^2/\text{NDF}: 70.1/3$

$189.951 \pm 0.252$   $\chi^2/\text{NDF}: 382392.4/9$

$243.001 \pm 0.267$   $\chi^2/\text{NDF}: 9722.9/5$

# dit\_usr\_4eX\_slope vs Slug, Sign Corrected



Right In: 361.630 $\pm$ 0.858  $\chi^2$ /NDF: 1711.0/3

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

Right Out: -316.704 $\pm$ 0.258  $\chi^2$ /NDF: 20100.4/5

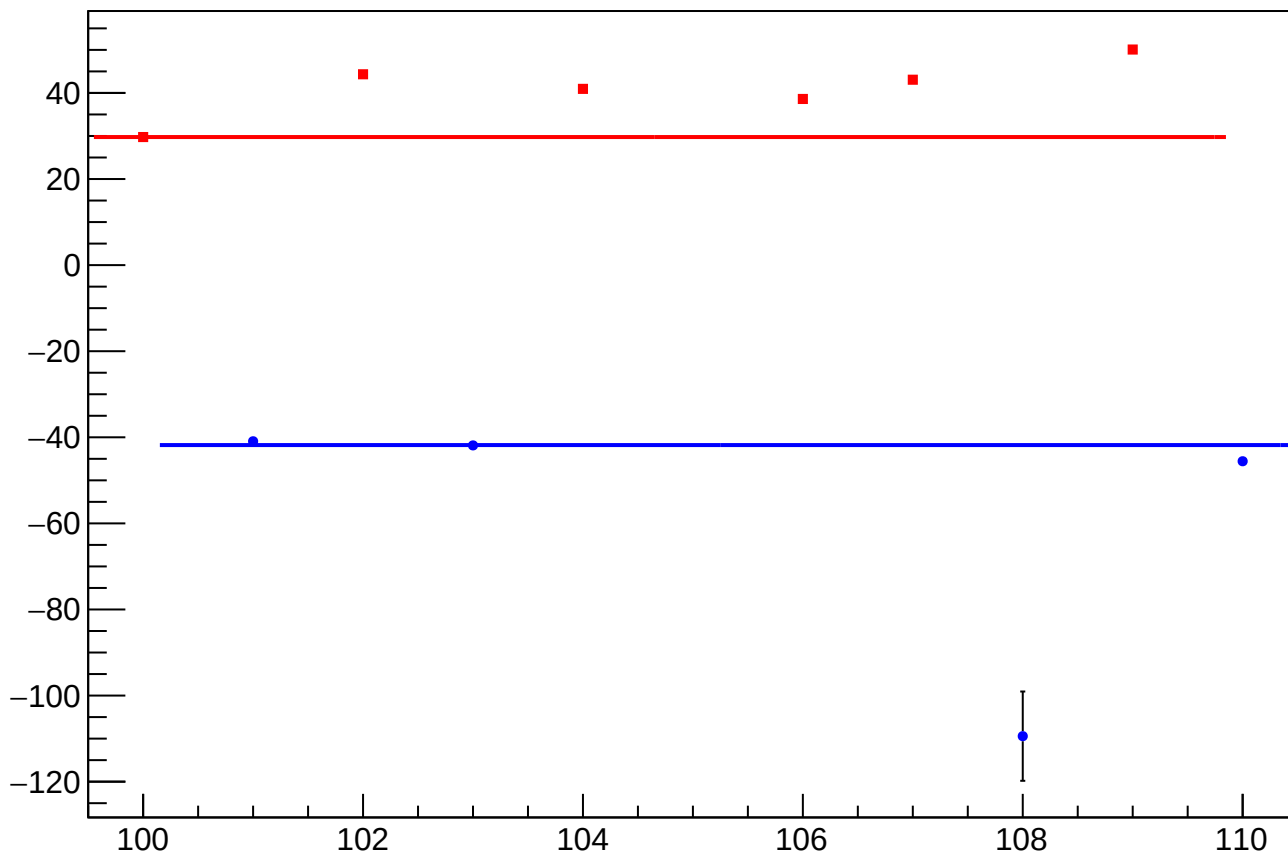
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

361.630 $\pm$ 0.858  $\chi^2$ /NDF: 1711.0/3

-260.299 $\pm$ 0.247  $\chi^2$ /NDF: 594812.7/9

-316.704 $\pm$ 0.258  $\chi^2$ /NDF: 20100.4/5

# dit\_usr\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-41.805 \pm 0.068$   $\chi^2/\text{NDF}: 591.5/3$

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

Right Out:  $29.754 \pm 0.000$   $\chi^2/\text{NDF}: 126037.7/5$

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

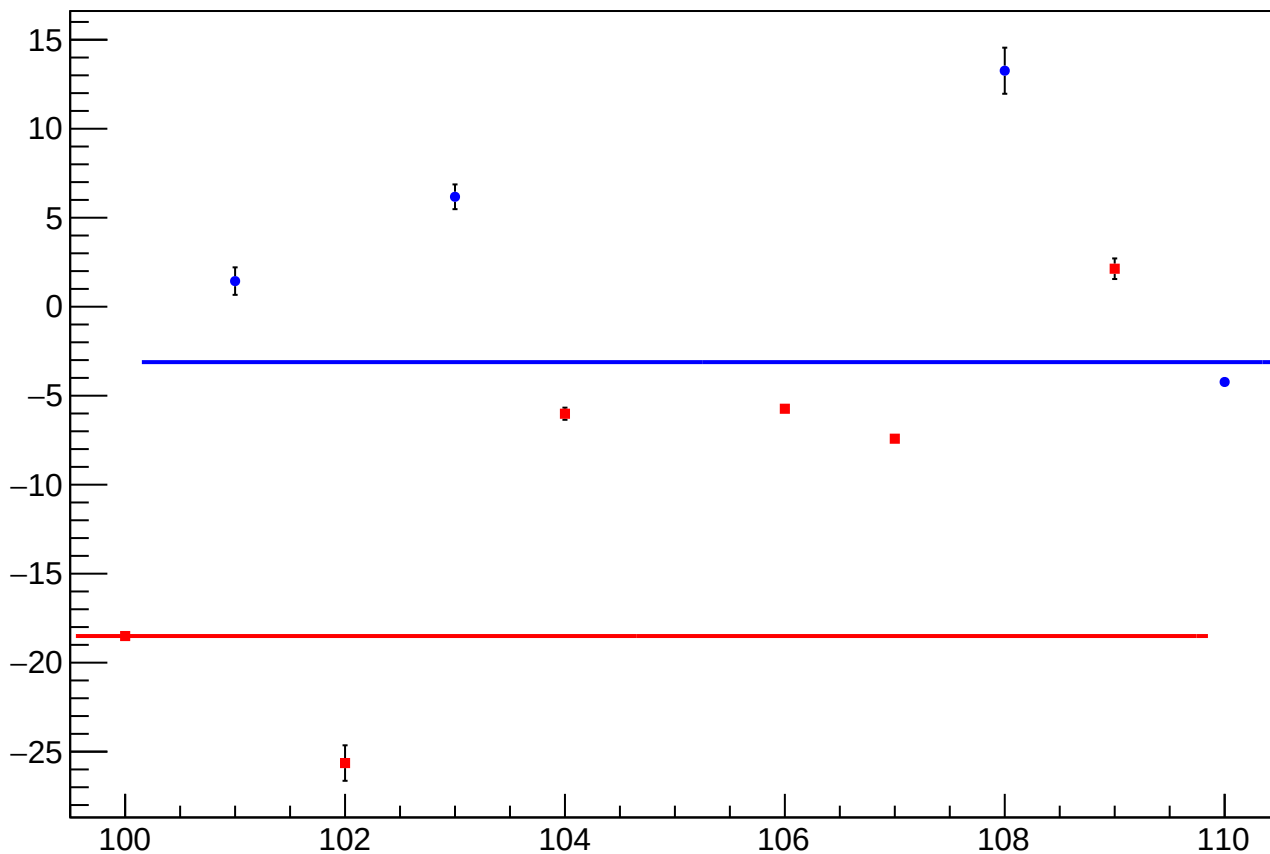
$-41.805 \pm 0.068$   $\chi^2/\text{NDF}: 591.5/3$

$29.754 \pm 0.000$   $\chi^2/\text{NDF}: 1220315.5/9$

$29.754 \pm 0.000$   $\chi^2/\text{NDF}: 126037.7/5$



# dit\_usr\_4aY\_slope vs Slug, Sign Corrected



Right In: -3.114+/-0.164  $\chi^2$ /NDF: 413.9/3

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

Right Out: -18.504+/-0.000  $\chi^2$ /NDF: 25523.8/5

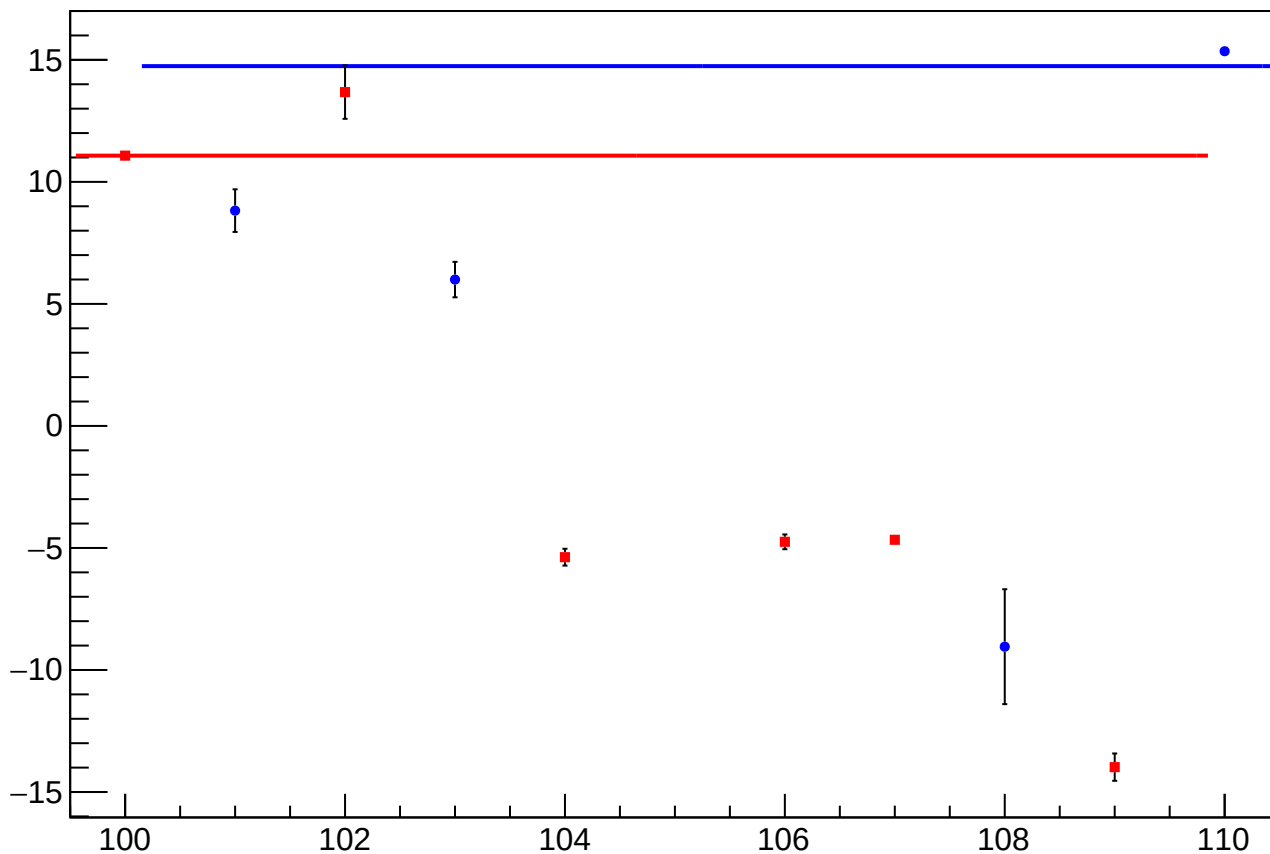
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-3.114+/-0.164  $\chi^2$ /NDF: 413.9/3

-18.504+/-0.000  $\chi^2$ /NDF: 34737.6/9

-18.504+/-0.000  $\chi^2$ /NDF: 25523.8/5

# dit\_usr\_4eY\_slope vs Slug, Sign Corrected



Right In: 14.743+/-0.141  $\chi^2/\text{NDF}$ : 310.6/3

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

Right Out: 11.075+/-0.000  $\chi^2/\text{NDF}$ : 38326.0/5

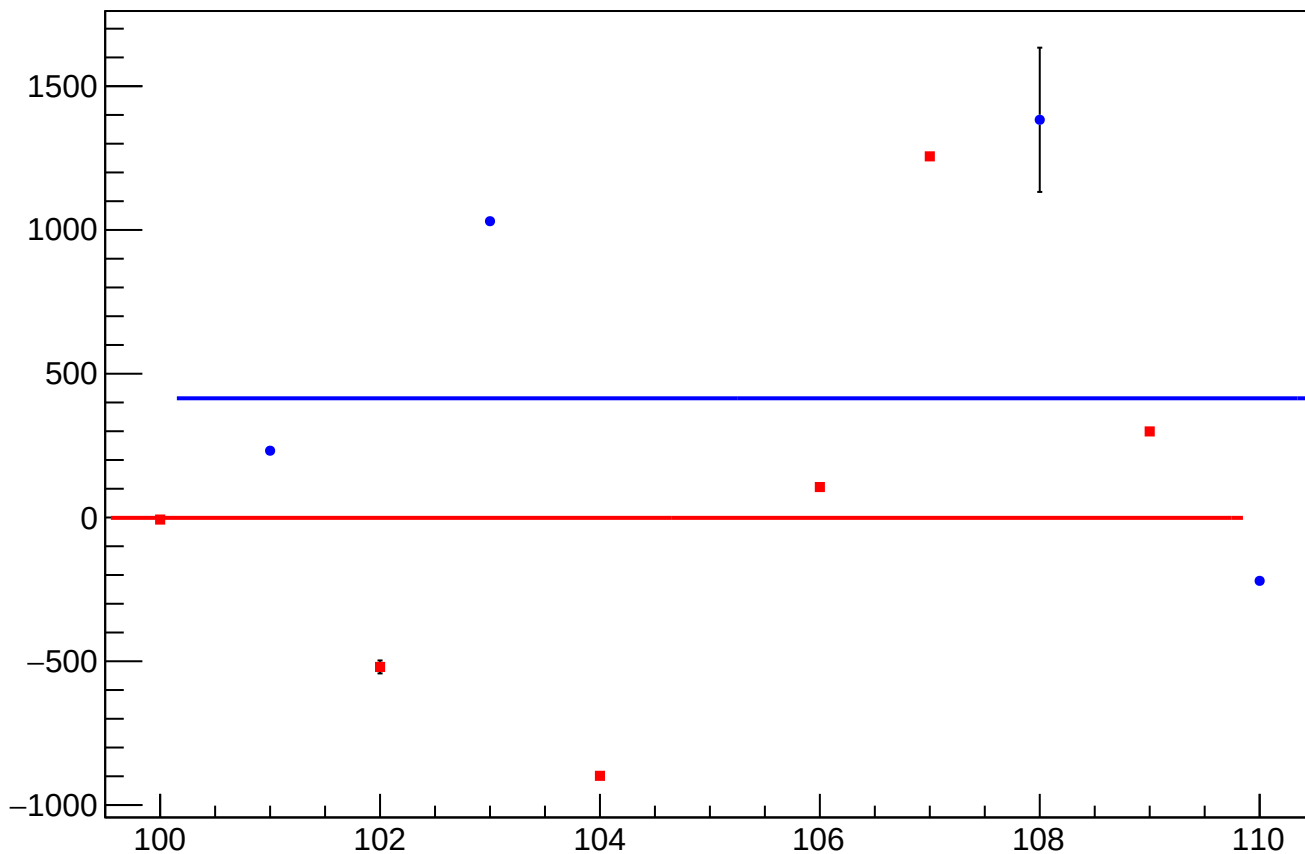
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

14.743+/-0.141  $\chi^2/\text{NDF}$ : 310.6/3

11.075+/-0.000  $\chi^2/\text{NDF}$ : 39313.1/9

11.075+/-0.000  $\chi^2/\text{NDF}$ : 38326.0/5

# dit\_atl1\_4aX\_slope vs Slug, Sign Corrected



Right In: 414.553+/-1.090  $\chi^2/\text{NDF}$ : 171974.1/3

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

Right Out: -1.259+/-0.374  $\chi^2/\text{NDF}$ : 34648.7/5

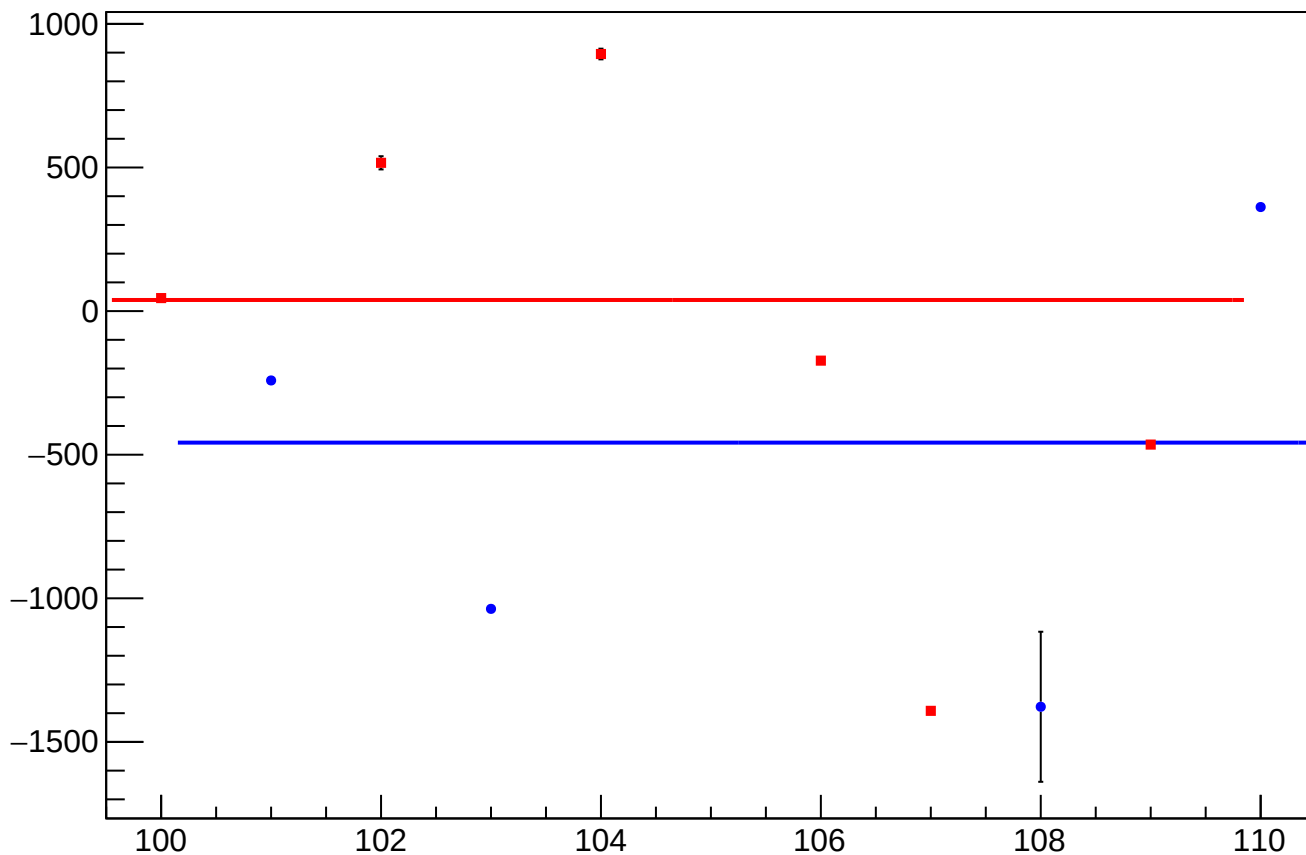
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

414.553+/-1.090  $\chi^2/\text{NDF}$ : 171974.1/3

42.497+/-0.354  $\chi^2/\text{NDF}$ : 336848.7/9

-1.259+/-0.374  $\chi^2/\text{NDF}$ : 34648.7/5

# dit\_atl1\_4eX\_slope vs Slug, Sign Corrected



Right In: -457.930+/-0.992  $\chi^2/\text{NDF}$ : 198659.4/3

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

Right Out: 38.701+/-0.375  $\chi^2/\text{NDF}$ : 43535.0/5

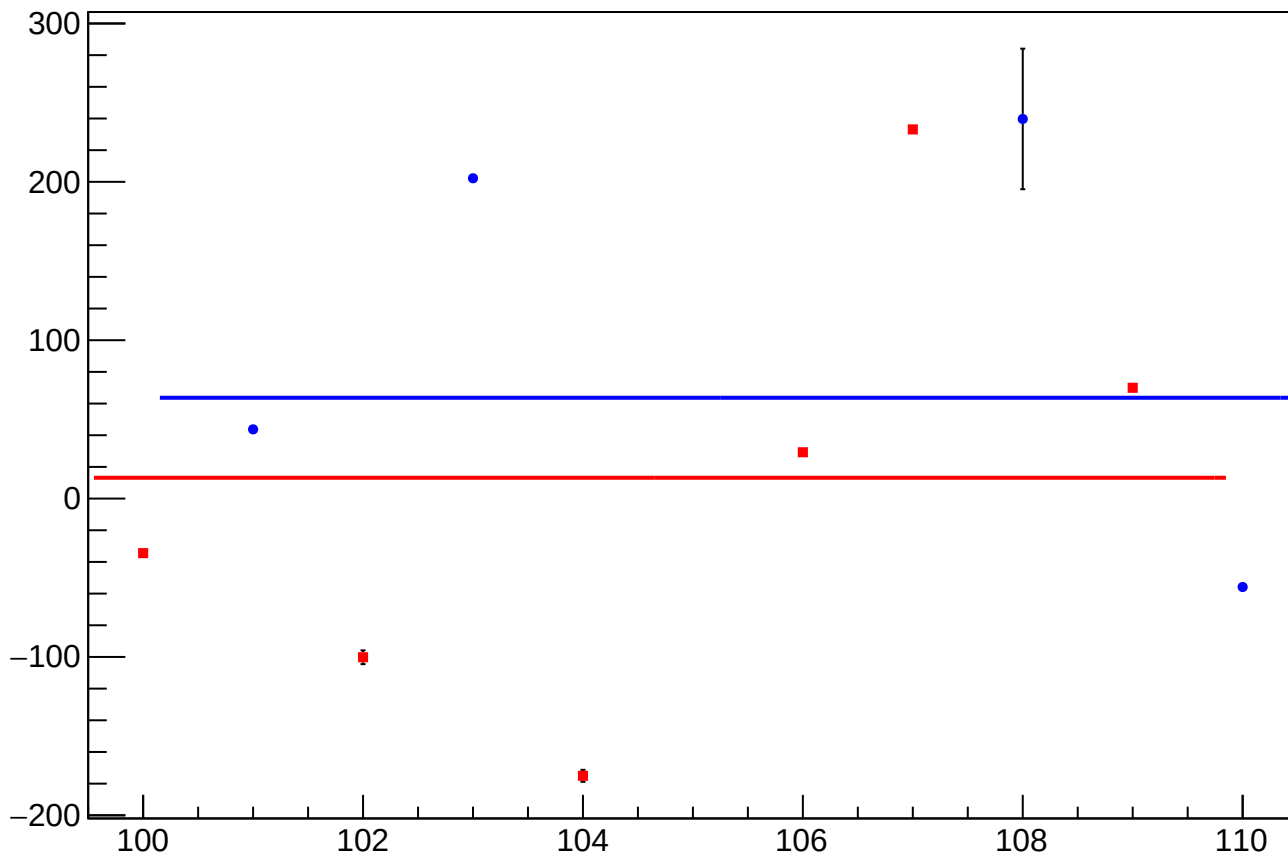
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-457.930+/-0.992  $\chi^2/\text{NDF}$ : 198659.4/3

-23.311+/-0.351  $\chi^2/\text{NDF}$ : 461484.9/9

38.701+/-0.375  $\chi^2/\text{NDF}$ : 43535.0/5

# dit\_atl1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 63.668 $\pm$ 0.057  $\chi^2$ /NDF: 978516.0/3

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

Right Out: 13.153 $\pm$ 0.317  $\chi^2$ /NDF: 87396.7/5

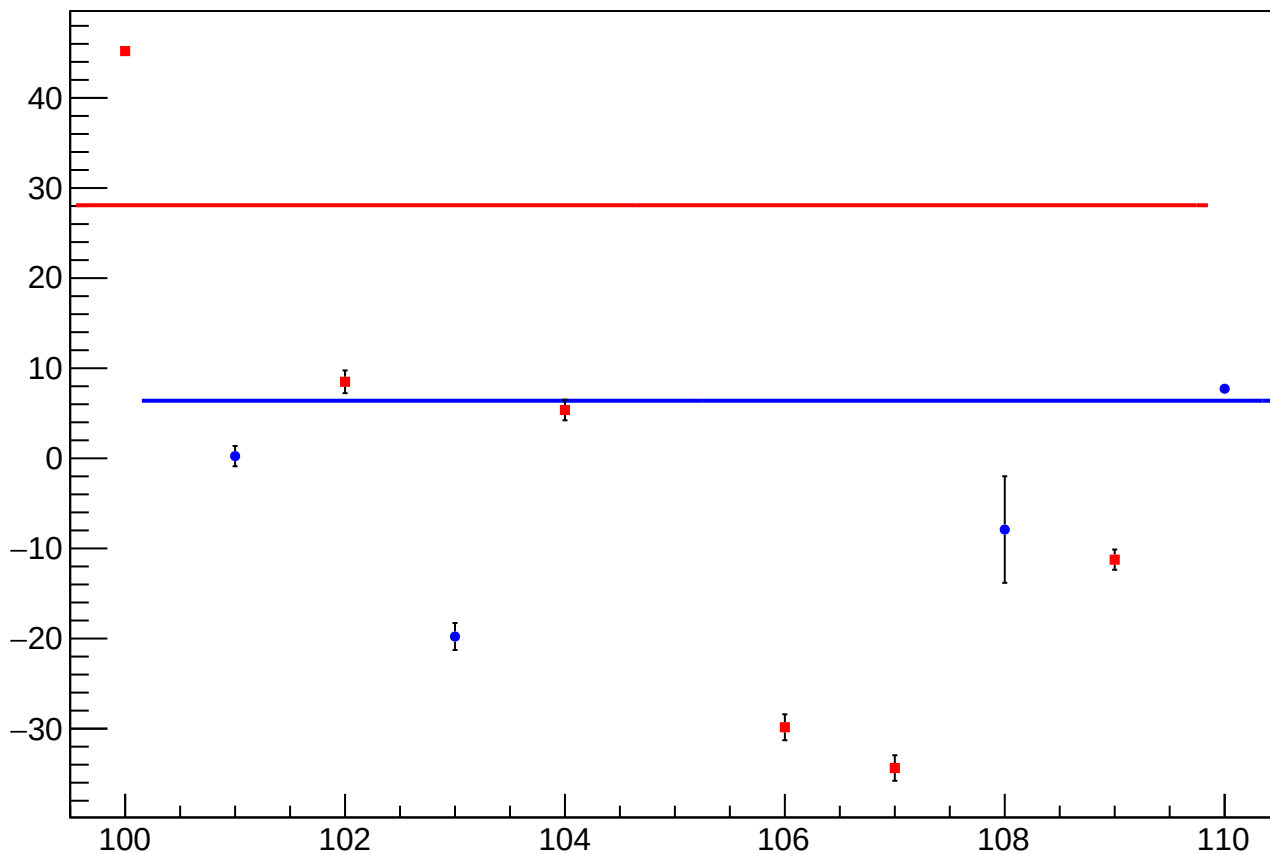
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

63.668 $\pm$ 0.057  $\chi^2$ /NDF: 978516.0/3

62.098 $\pm$ 0.056  $\chi^2$ /NDF: 1090496.2/9

13.153 $\pm$ 0.317  $\chi^2$ /NDF: 87396.7/5

# dit\_atl1\_4aY\_slope vs Slug, Sign Corrected



Right In: 6.394+/-0.268  $\chi^2/\text{NDF}$ : 362.6/3

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

Right Out: 28.089+/-0.314  $\chi^2/\text{NDF}$ : 7467.1/5

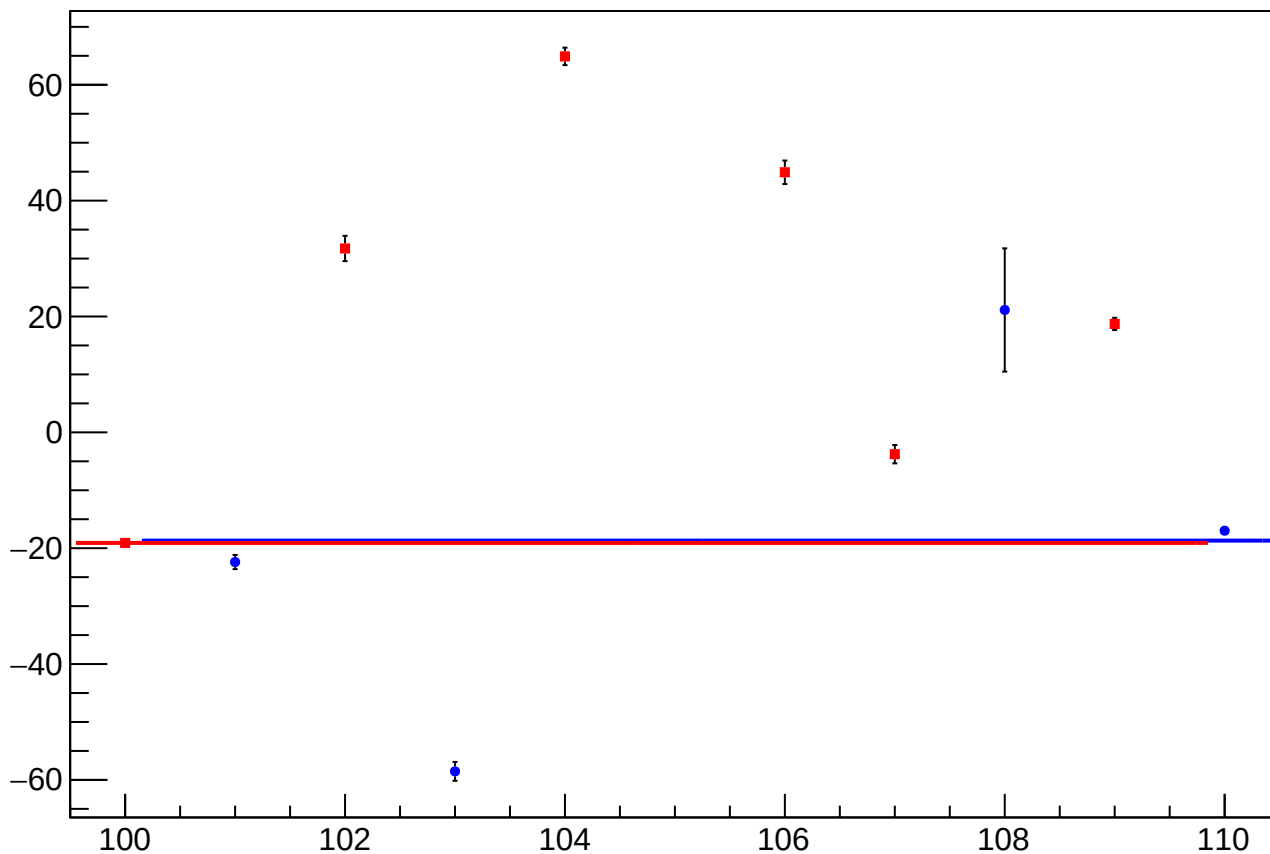
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.394+/-0.268  $\chi^2/\text{NDF}$ : 362.6/3

15.539+/-0.204  $\chi^2/\text{NDF}$ : 10596.8/9

28.089+/-0.314  $\chi^2/\text{NDF}$ : 7467.1/5

# dit\_atl1\_4eY\_slope vs Slug, Sign Corrected



Right In: -18.690+/-0.301  $\chi^2/\text{NDF}$ : 650.8/3

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

Right Out: -19.086+/-0.000  $\chi^2/\text{NDF}$ : 6015.6/5

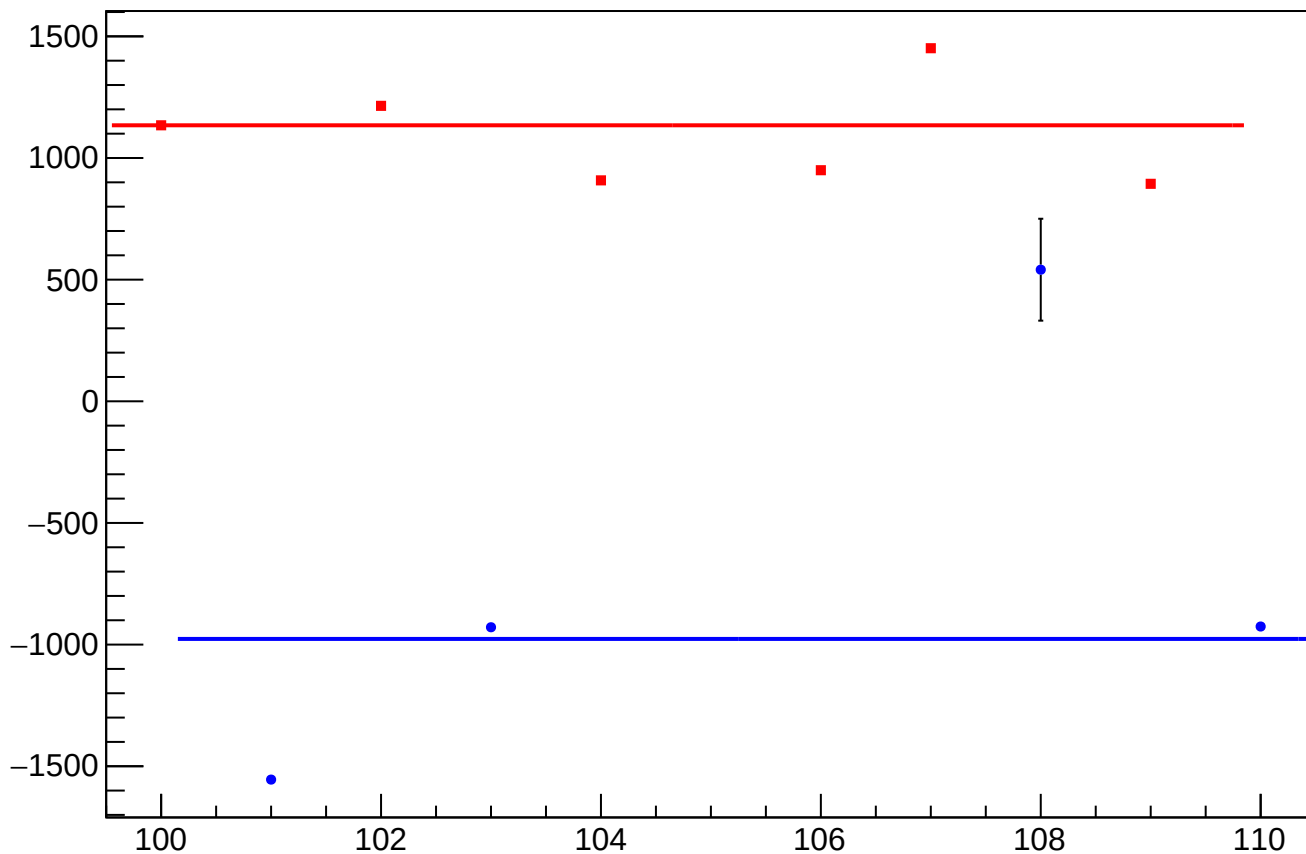
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-18.690+/-0.301  $\chi^2/\text{NDF}$ : 650.8/3

-19.086+/-0.000  $\chi^2/\text{NDF}$ : 6668.1/9

-19.086+/-0.000  $\chi^2/\text{NDF}$ : 6015.6/5

# dit\_atl2\_4aX\_slope vs Slug, Sign Corrected



Right In: -976.710+/-1.388  $\chi^2$ /NDF: 14916.2/3

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

Right Out: 1134.421+/-0.000  $\chi^2$ /NDF: 34474.2/5

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

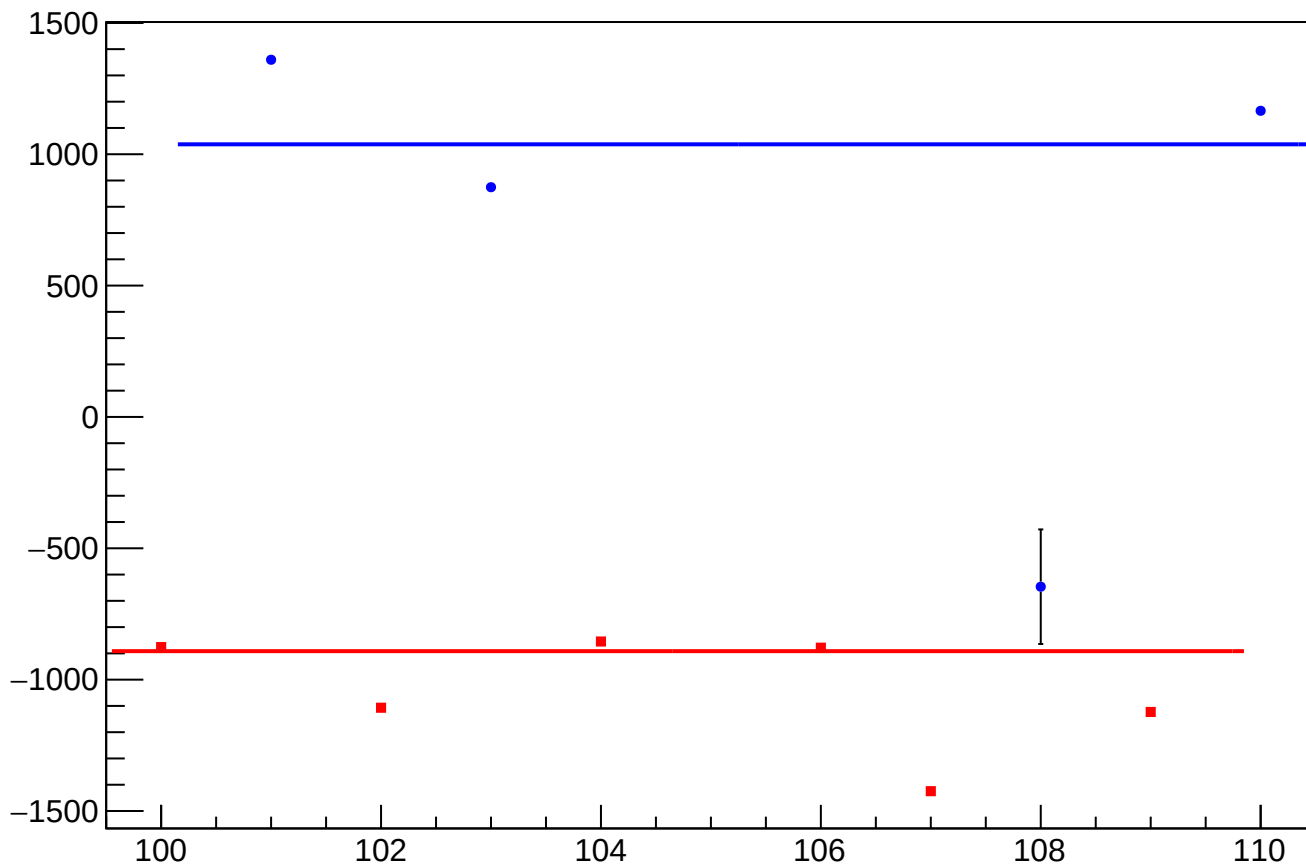
-976.710+/-1.388  $\chi^2$ /NDF: 14916.2/3

1134.421+/-0.000  $\chi^2$ /NDF: 2362839.8/9

1134.421+/-0.000  $\chi^2$ /NDF: 34474.2/5



# dit\_atl2\_4eX\_slope vs Slug, Sign Corrected



Right In: 1037.715+/-1.484  $\chi^2/\text{NDF}$ : 15053.7/3

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

Right Out: -891.542+/-0.366  $\chi^2/\text{NDF}$ : 58297.3/5

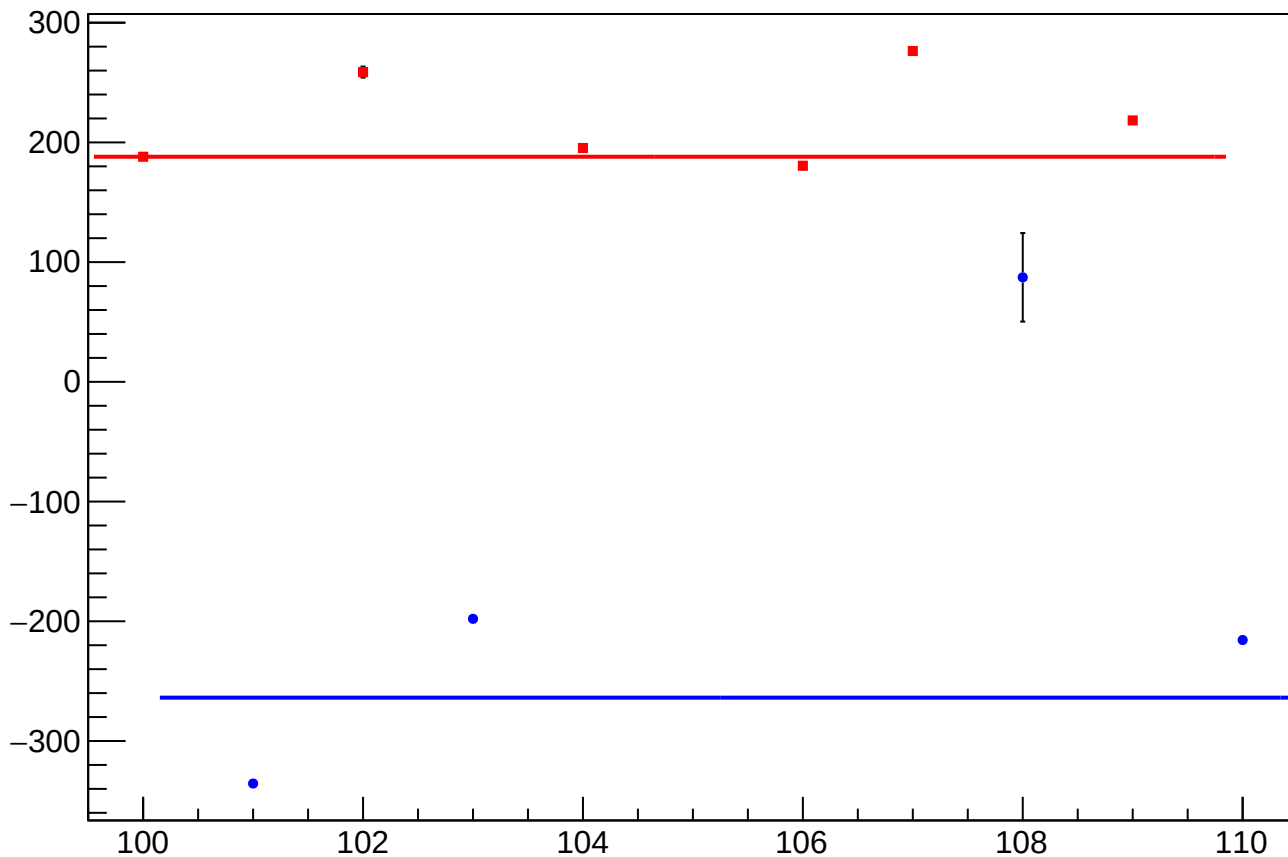
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1037.715+/-1.484  $\chi^2/\text{NDF}$ : 15053.7/3

-780.830+/-0.355  $\chi^2/\text{NDF}$ : 1667108.2/9

-891.542+/-0.366  $\chi^2/\text{NDF}$ : 58297.3/5

# dit\_atl2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -263.791+/-0.149  $\chi^2/\text{NDF}$ : 179294.0/3

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

Right Out: 188.033+/-0.000  $\chi^2/\text{NDF}$ : 105769.1/5

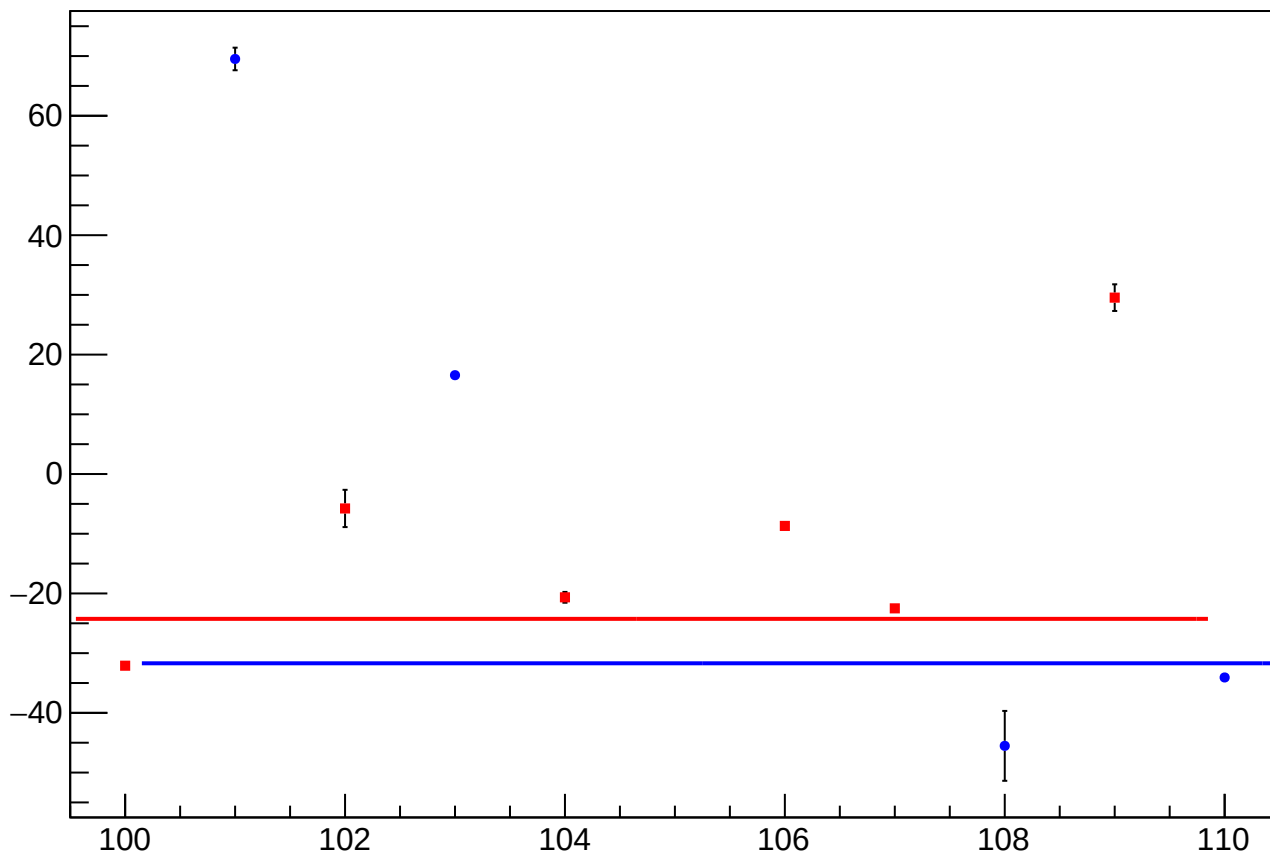
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-263.791+/-0.149  $\chi^2/\text{NDF}$ : 179294.0/3

188.033+/-0.000  $\chi^2/\text{NDF}$ : 9506967.8/9

188.033+/-0.000  $\chi^2/\text{NDF}$ : 105769.1/5

# dit\_atl2\_4aY\_slope vs Slug, Sign Corrected



Right In: -31.698 $\pm$ 0.149  $\chi^2$ /NDF: 6682.0/3

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

Right Out: -24.256 $\pm$ 0.278  $\chi^2$ /NDF: 1597.8/5

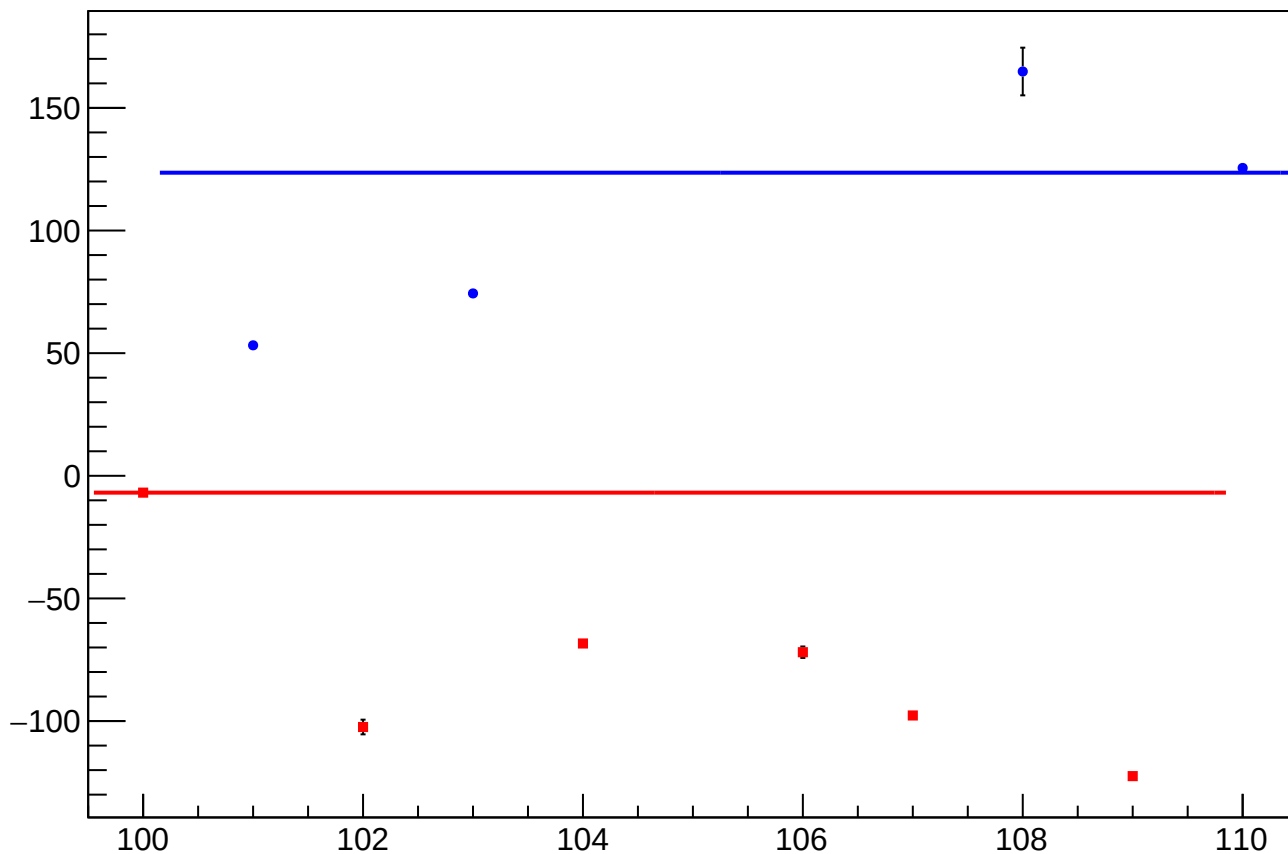
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-31.698 $\pm$ 0.149  $\chi^2$ /NDF: 6682.0/3

-30.033 $\pm$ 0.132  $\chi^2$ /NDF: 8834.6/9

-24.256 $\pm$ 0.278  $\chi^2$ /NDF: 1597.8/5

# dit\_atl2\_4eY\_slope vs Slug, Sign Corrected



Right In: 123.584 $\pm$ 0.141  $\chi^2$ /NDF: 5194.8/3

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

Right Out: -6.866 $\pm$ 0.000  $\chi^2$ /NDF: 26532.2/5

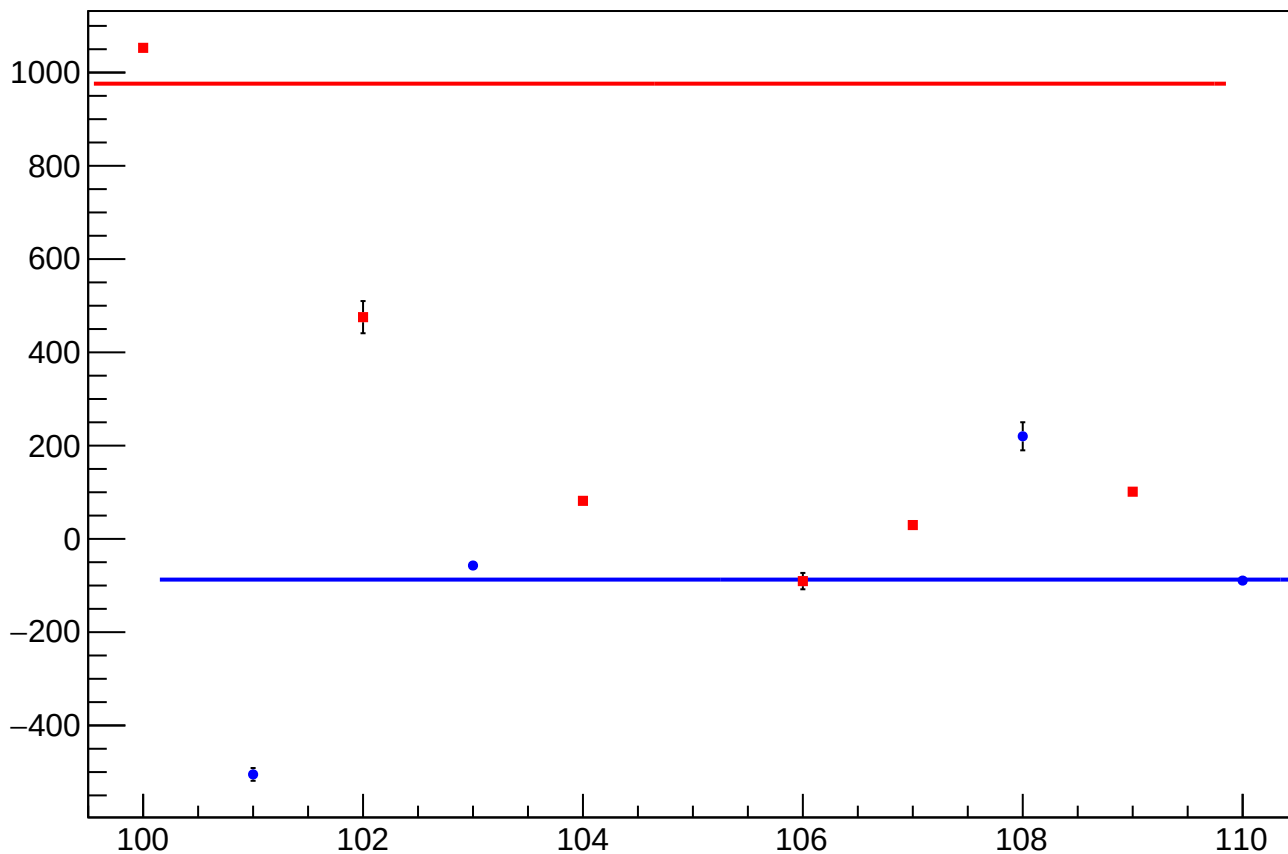
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

123.584 $\pm$ 0.141  $\chi^2$ /NDF: 5194.8/3

-6.866 $\pm$ 0.000  $\chi^2$ /NDF: 881783.5/9

-6.866 $\pm$ 0.000  $\chi^2$ /NDF: 26532.2/5

# dit\_atr1\_4aX\_slope vs Slug, Sign Corrected



Right In: -87.272 $\pm$ 1.248  $\chi^2$ /NDF: 1129.5/3

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

Right Out: 976.128 $\pm$ 0.363  $\chi^2$ /NDF: 525590.0/5

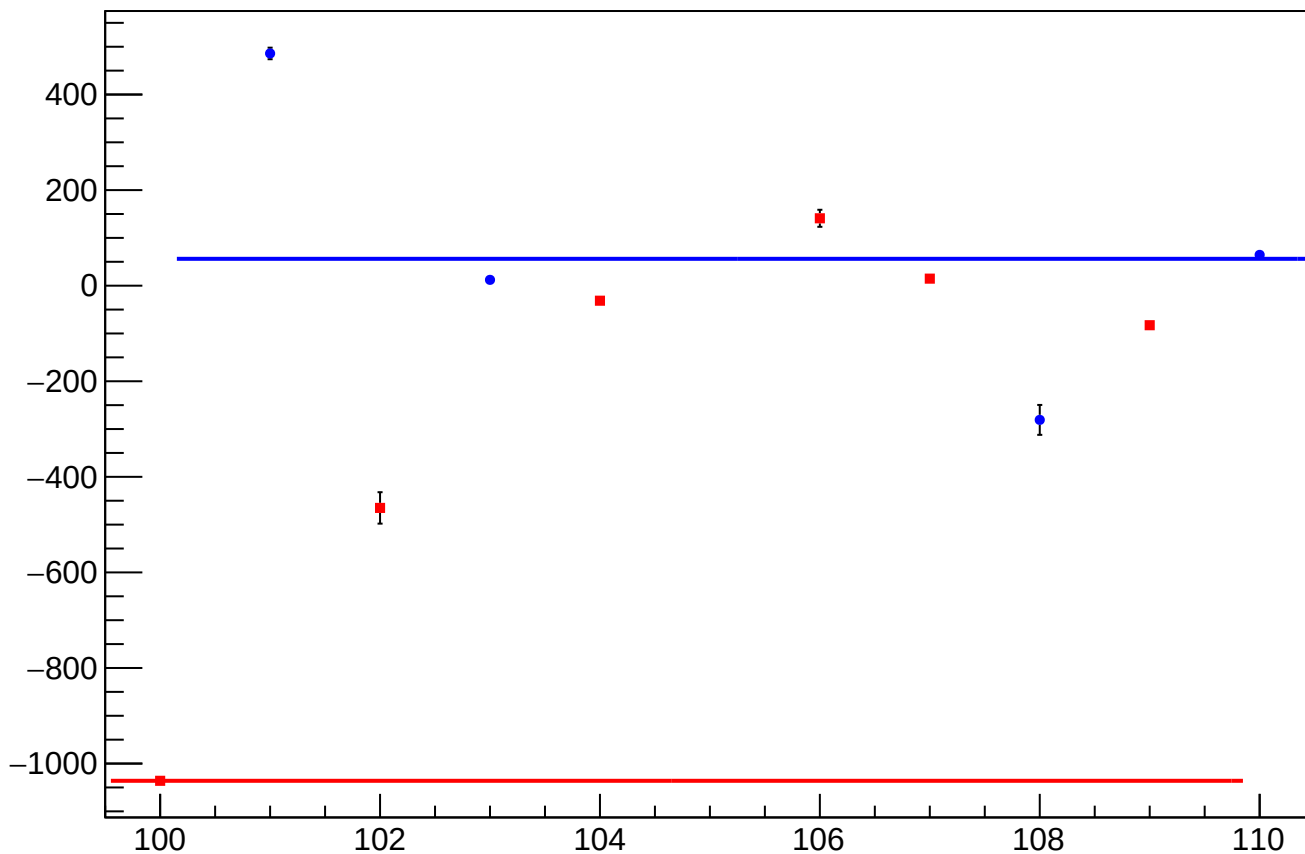
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-87.272 $\pm$ 1.248  $\chi^2$ /NDF: 1129.5/3

893.278 $\pm$ 0.348  $\chi^2$ /NDF: 1196109.0/9

976.128 $\pm$ 0.363  $\chi^2$ /NDF: 525590.0/5

# dit\_atr1\_4eX\_slope vs Slug, Sign Corrected



Right In: 56.214+/-1.451  $\chi^2/\text{NDF}$ : 1641.5/3

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

Right Out: -1036.068+/-0.000  $\chi^2/\text{NDF}$ : 512619.5/5

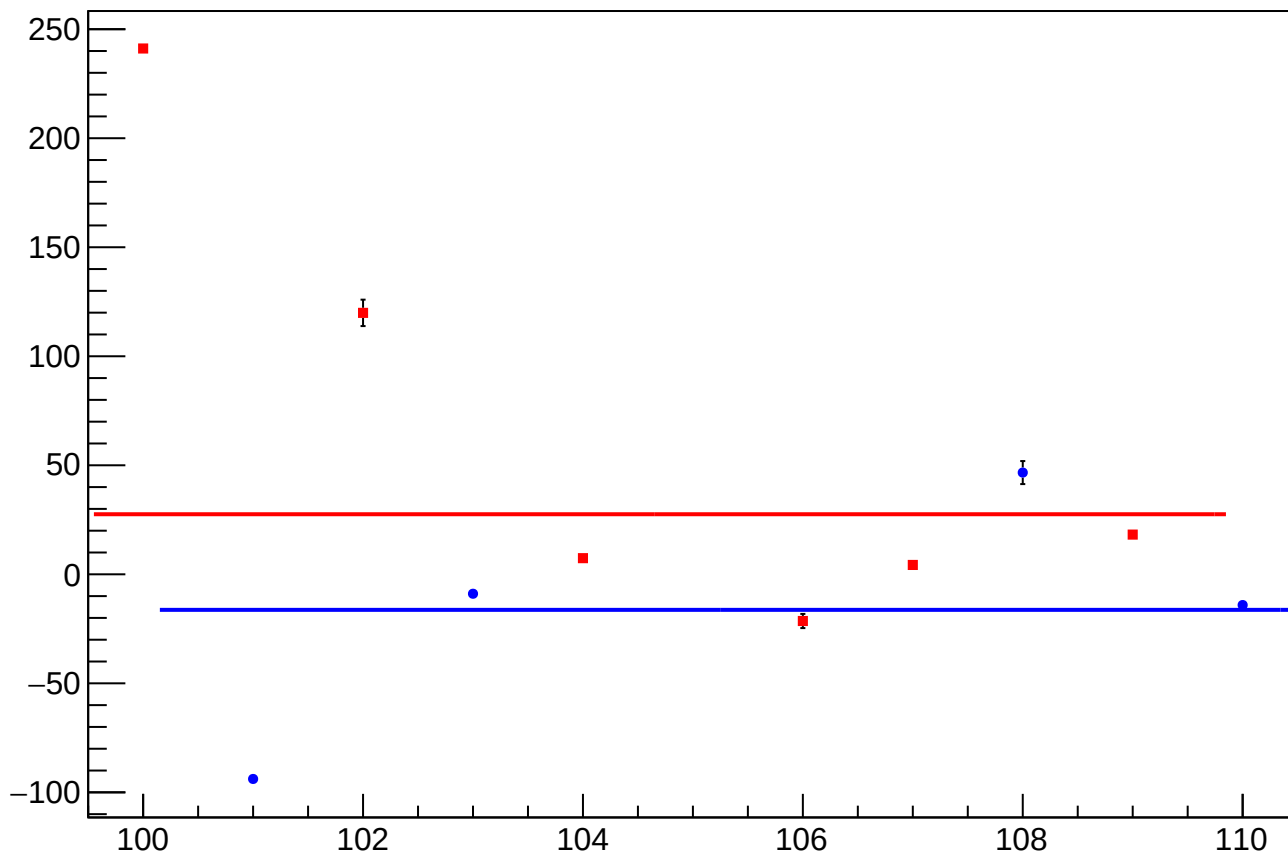
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

56.214+/-1.451  $\chi^2/\text{NDF}$ : 1641.5/3

-1036.068+/-0.000  $\chi^2/\text{NDF}$ : 1080630.3/9

-1036.068+/-0.000  $\chi^2/\text{NDF}$ : 512619.5/5

# dit\_atr1\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-16.304 \pm 0.177$   $\chi^2/\text{NDF}$ : 9036.0/3

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

Right Out:  $27.550 \pm 0.111$   $\chi^2/\text{NDF}$ : 350884.4/5

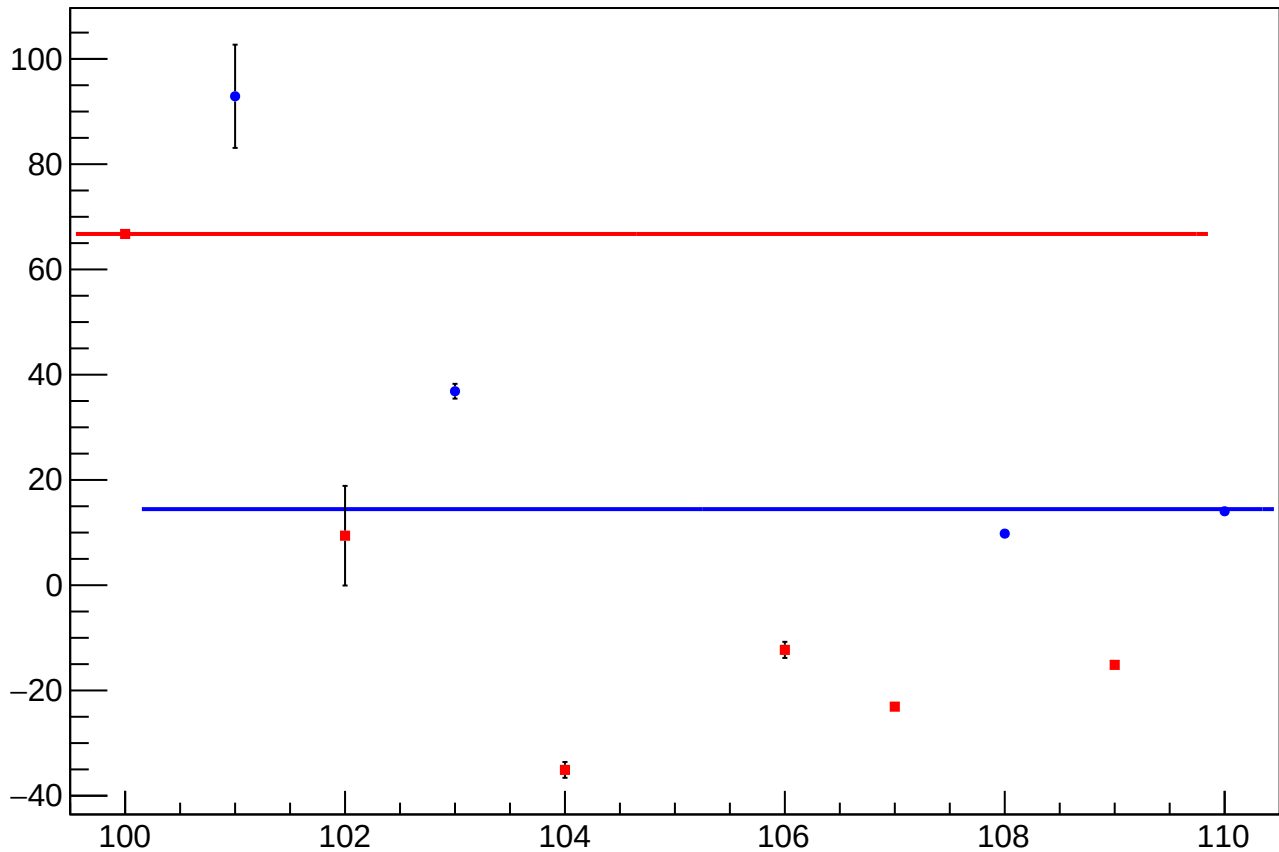
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-16.304 \pm 0.177$   $\chi^2/\text{NDF}$ : 9036.0/3

$15.136 \pm 0.094$   $\chi^2/\text{NDF}$ : 403785.8/9

$27.550 \pm 0.111$   $\chi^2/\text{NDF}$ : 350884.4/5

# dit\_atr1\_4aY\_slope vs Slug, Sign Corrected



Right In: 14.456+/-0.301  $\chi^2/\text{NDF}$ : 360.5/3

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

Right Out: 66.739+/-0.000  $\chi^2/\text{NDF}$ : 101108.9/5

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

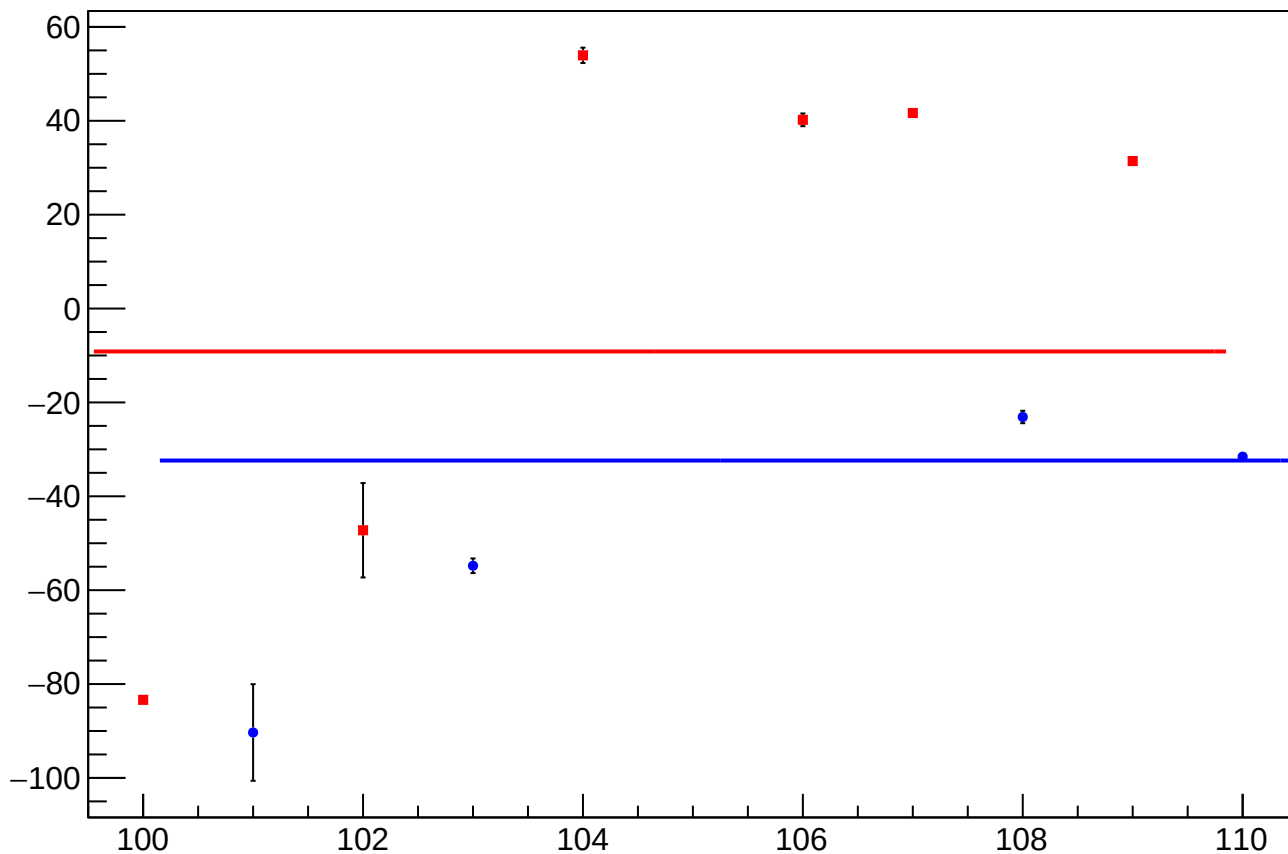
14.456+/-0.301  $\chi^2/\text{NDF}$ : 360.5/3

66.739+/-0.000  $\chi^2/\text{NDF}$ : 131631.6/9

66.739+/-0.000  $\chi^2/\text{NDF}$ : 101108.9/5



# dit\_atr1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-32.382 \pm 0.396$   $\chi^2/\text{NDF}$ : 291.4/3

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

Right Out:  $-9.145 \pm 0.231$   $\chi^2/\text{NDF}$ : 61997.7/5

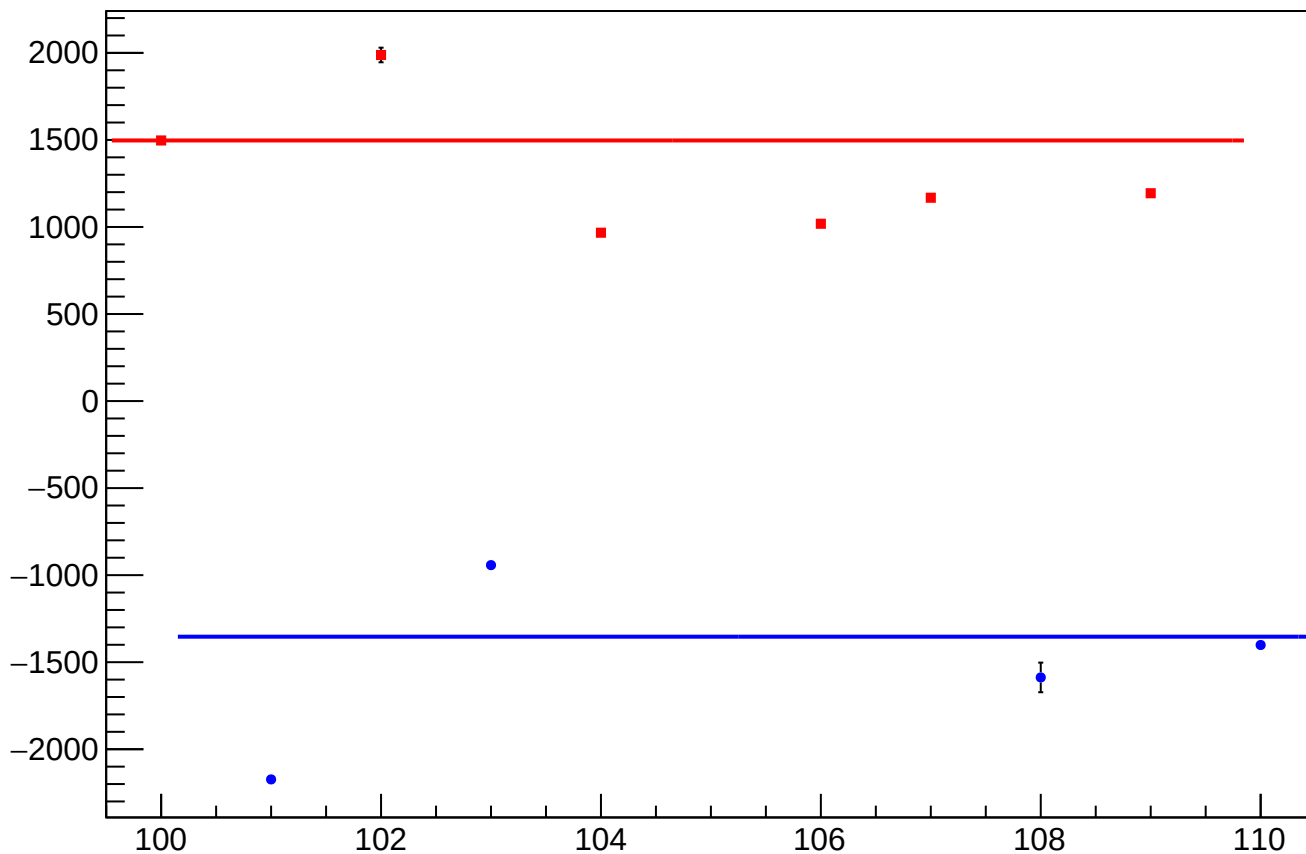
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-32.382 \pm 0.396$   $\chi^2/\text{NDF}$ : 291.4/3

$-15.054 \pm 0.199$   $\chi^2/\text{NDF}$ : 64862.1/9

$-9.145 \pm 0.231$   $\chi^2/\text{NDF}$ : 61997.7/5

# dit\_atr2\_4aX\_slope vs Slug, Sign Corrected



Right In: -1353.540 $\pm$ 1.660  $\chi^2/\text{NDF}$ : 22138.1/3

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

Right Out: 1496.932 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 88006.3/5

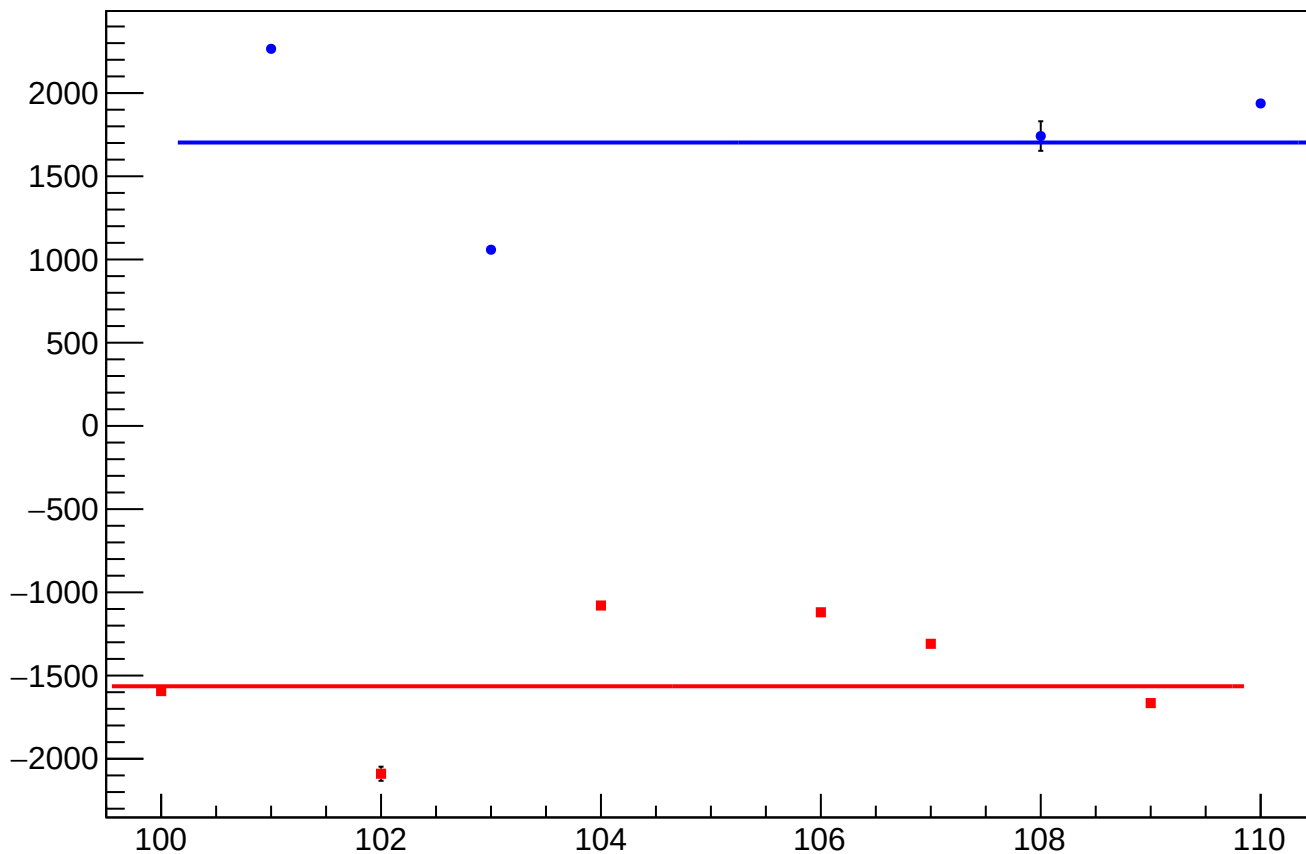
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1353.540 $\pm$ 1.660  $\chi^2/\text{NDF}$ : 22138.1/3

1496.932 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 3058145.1/9

1496.932 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 88006.3/5

# dit\_atr2\_4eX\_slope vs Slug, Sign Corrected



Right In:  $1702.864 \pm 2.032$   $\chi^2/\text{NDF}: 44788.4/3$

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

Right Out:  $-1564.280 \pm 0.363$   $\chi^2/\text{NDF}: 86160.3/5$

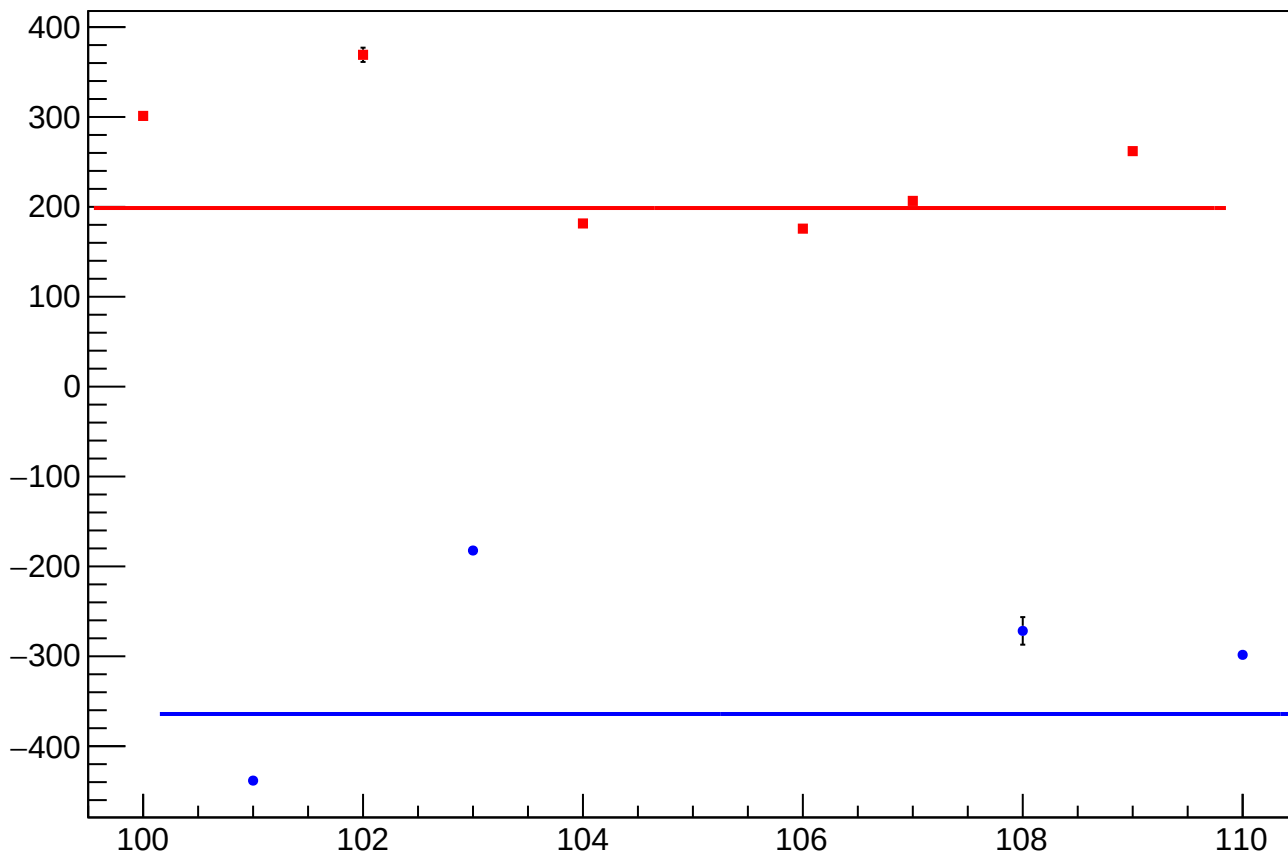
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$1702.864 \pm 2.032$   $\chi^2/\text{NDF}: 44788.4/3$

$-1463.054 \pm 0.358$   $\chi^2/\text{NDF}: 2636083.6/9$

$-1564.280 \pm 0.363$   $\chi^2/\text{NDF}: 86160.3/5$

# dit\_atr2\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-364.191 \pm 0.173$   $\chi^2/\text{NDF}$ : 359906.3/3

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

Right Out:  $198.713 \pm 0.113$   $\chi^2/\text{NDF}$ : 90799.2/5

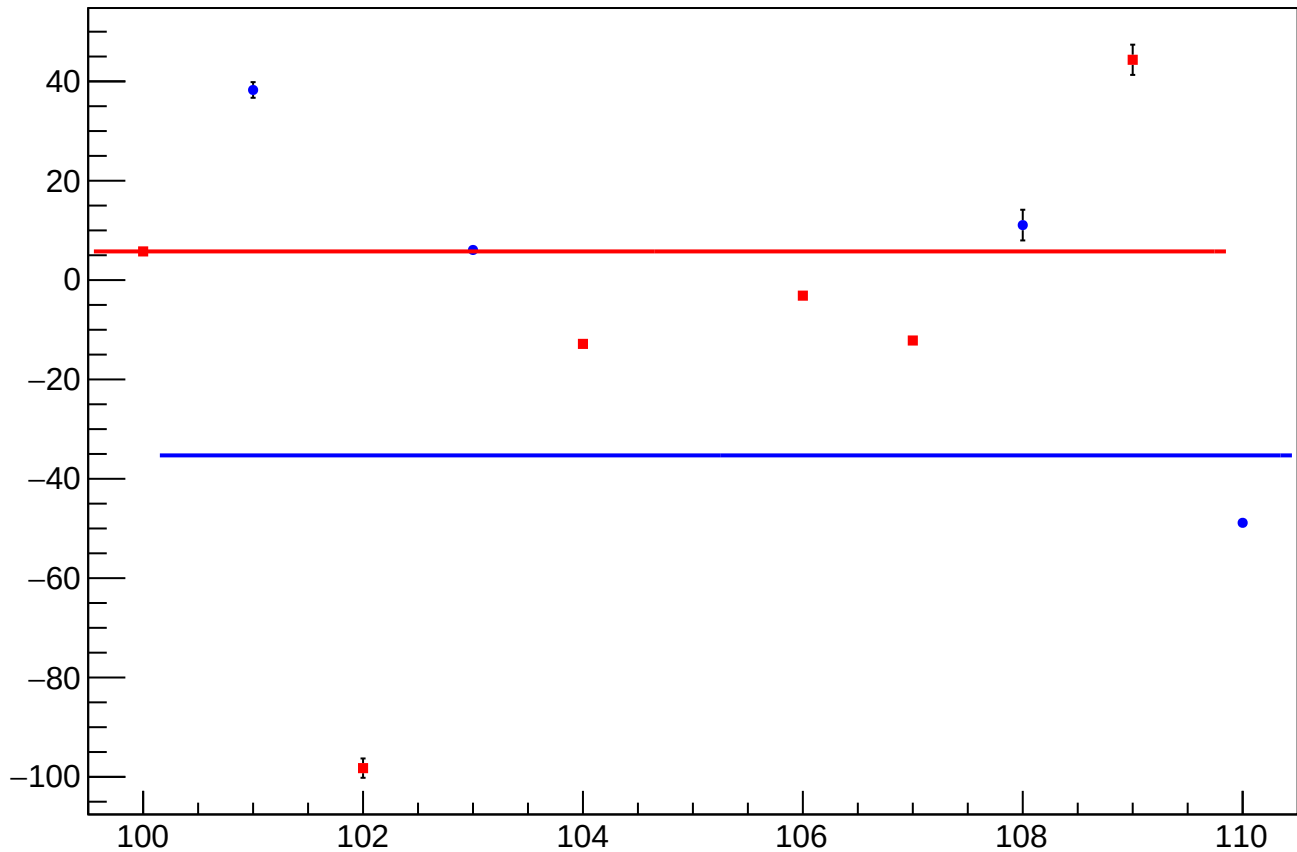
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-364.191 \pm 0.173$   $\chi^2/\text{NDF}$ : 359906.3/3

$29.659 \pm 0.095$   $\chi^2/\text{NDF}$ : 7870959.5/9

$198.713 \pm 0.113$   $\chi^2/\text{NDF}$ : 90799.2/5

# dit\_atr2\_4aY\_slope vs Slug, Sign Corrected



Right In: -35.289+/-0.305  $\chi^2/\text{NDF}$ : 7181.4/3

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

Right Out: 5.769+/-0.000  $\chi^2/\text{NDF}$ : 5289.7/5

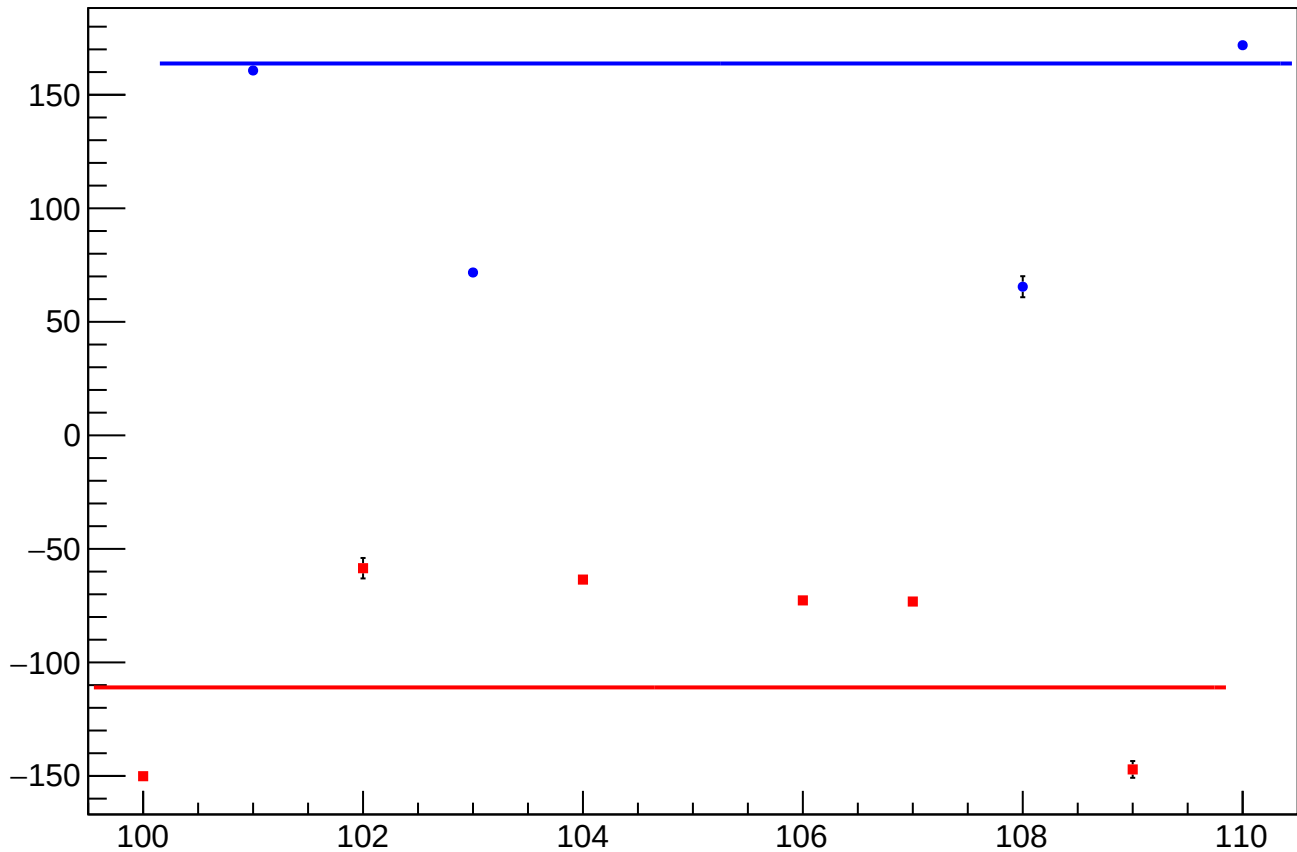
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-35.289+/-0.305  $\chi^2/\text{NDF}$ : 7181.4/3

5.769+/-0.000  $\chi^2/\text{NDF}$ : 30564.0/9

5.769+/-0.000  $\chi^2/\text{NDF}$ : 5289.7/5

# dit\_atr2\_4eY\_slope vs Slug, Sign Corrected



Right In:  $163.785 \pm 0.225$   $\chi^2/\text{NDF}$ : 14339.2/3

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

Right Out:  $-111.012 \pm 0.272$   $\chi^2/\text{NDF}$ : 22763.5/5

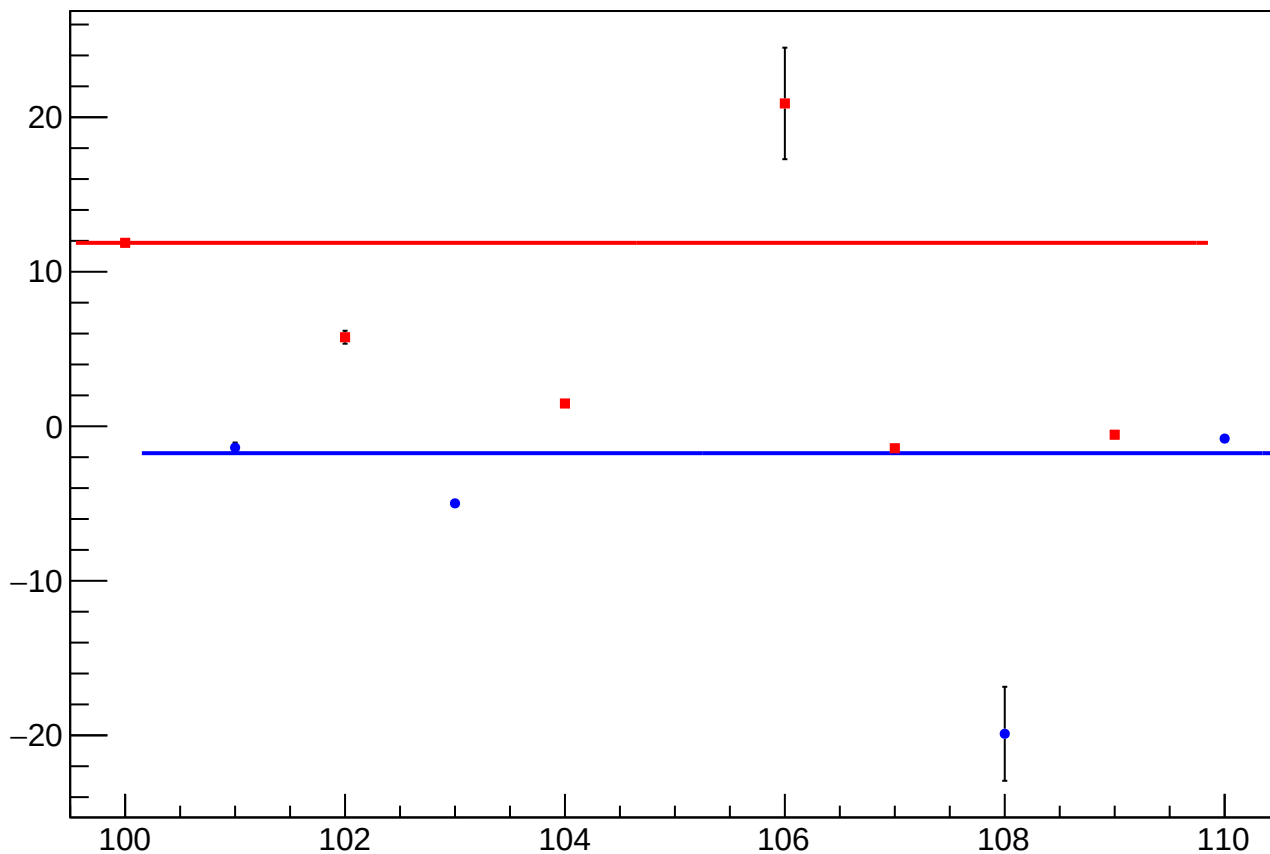
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$163.785 \pm 0.225$   $\chi^2/\text{NDF}$ : 14339.2/3

$52.006 \pm 0.173$   $\chi^2/\text{NDF}$ : 643796.2/9

$-111.012 \pm 0.272$   $\chi^2/\text{NDF}$ : 22763.5/5

# dit\_sam1\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-1.740 \pm 0.066$   $\chi^2/\text{NDF}: 722.8/3$

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

Right Out:  $11.872 \pm 0.000$   $\chi^2/\text{NDF}: 12218.3/5$

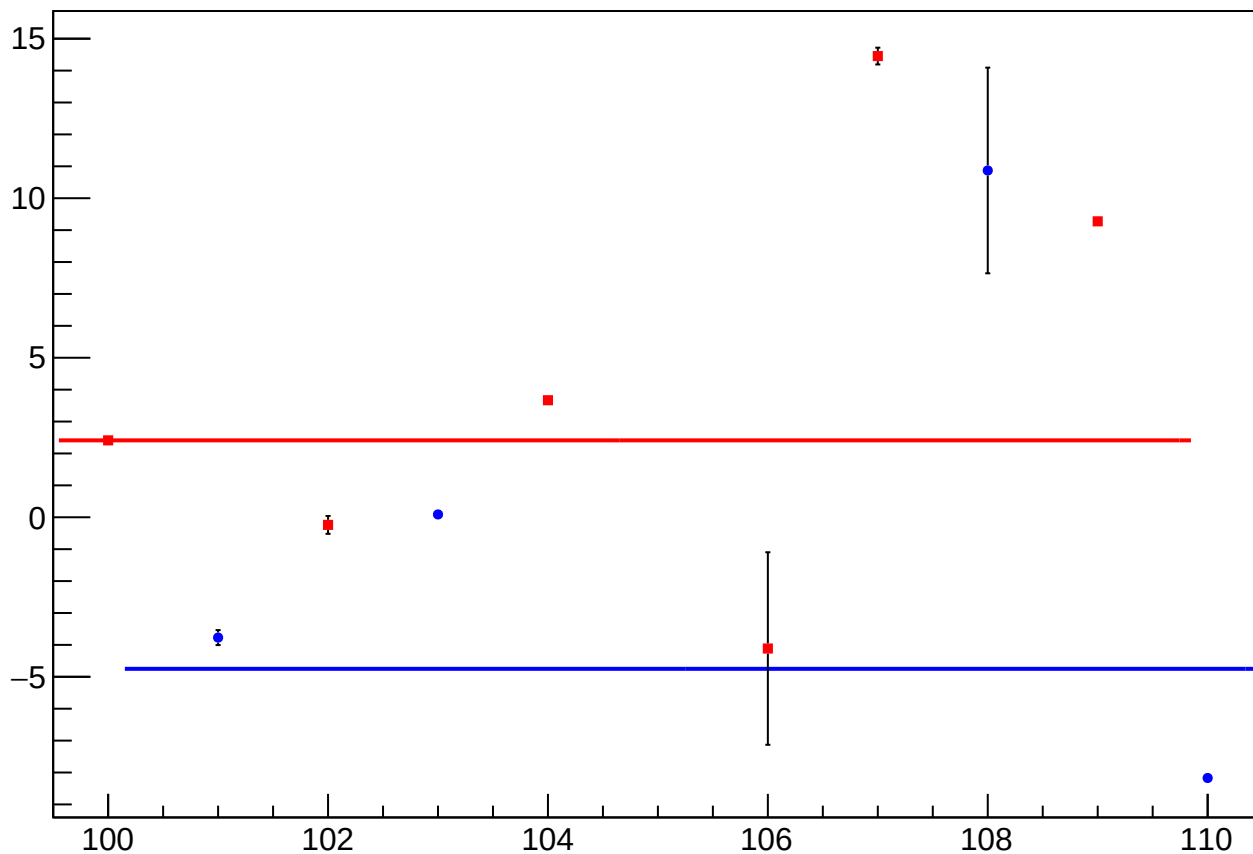
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-1.740 \pm 0.066$   $\chi^2/\text{NDF}: 722.8/3$

$11.872 \pm 0.000$   $\chi^2/\text{NDF}: 55945.2/9$

$11.872 \pm 0.000$   $\chi^2/\text{NDF}: 12218.3/5$

# dit\_sam1\_4eX\_slope vs Slug, Sign Corrected



Right In: -4.750+/-0.065  $\chi^2/\text{NDF}$ : 3611.9/3

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

Right Out: 2.410+/-0.000  $\chi^2/\text{NDF}$ : 4235.3/5

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

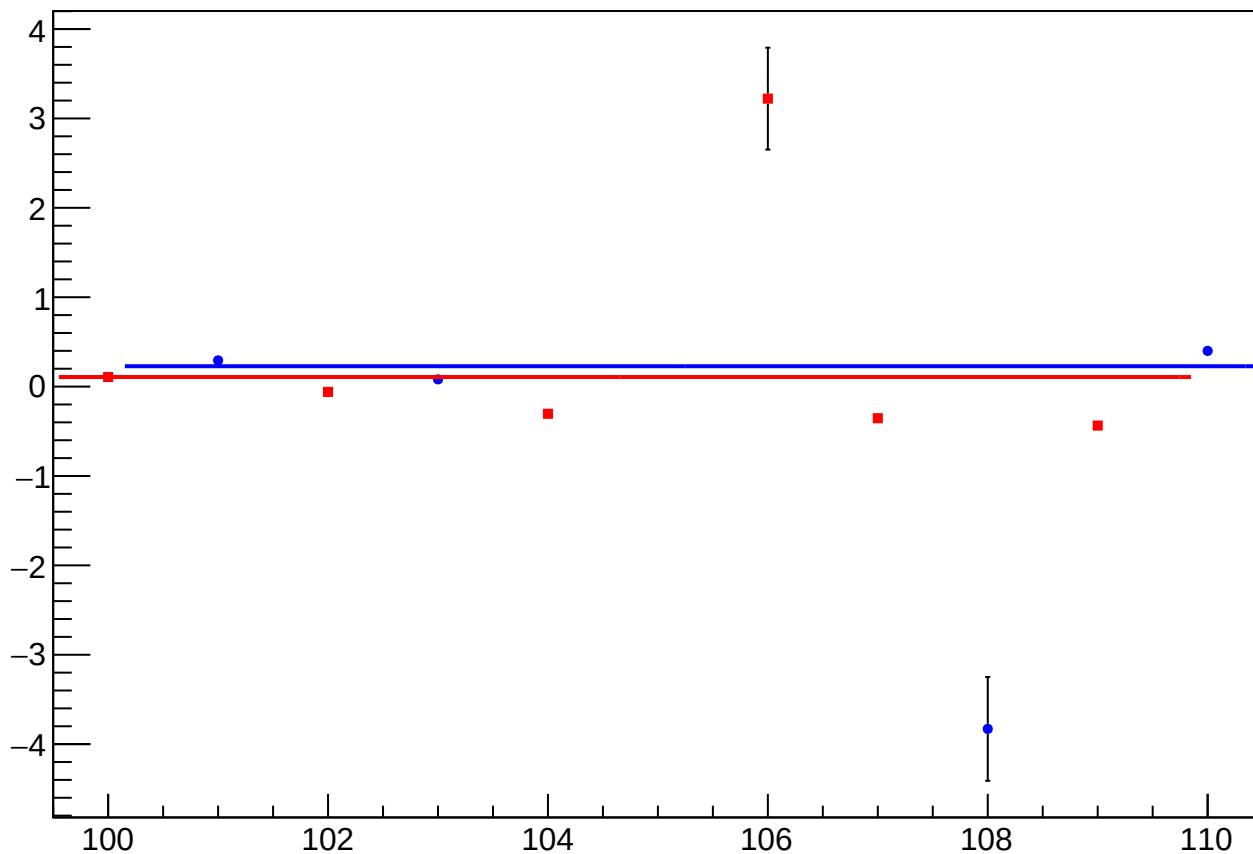
-4.750+/-0.065  $\chi^2/\text{NDF}$ : 3611.9/3

2.410+/-0.000  $\chi^2/\text{NDF}$ : 19924.1/9

2.410+/-0.000  $\chi^2/\text{NDF}$ : 4235.3/5



dit\_sam1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.228+/-0.006  $\chi^2/\text{NDF}$ : 661.5/3

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

Right Out: 0.107+/-0.000  $\chi^2/\text{NDF}$ : 7421.4/5

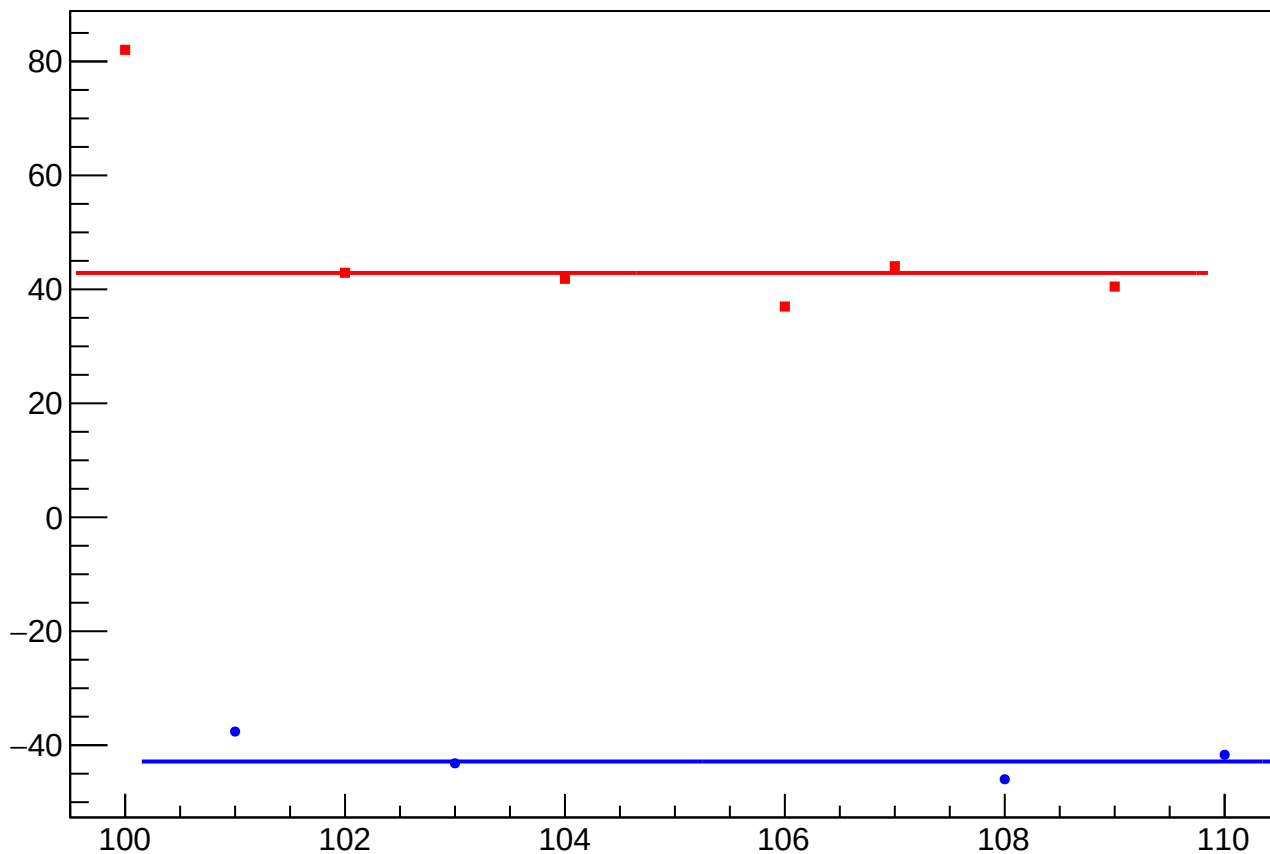
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.228+/-0.006  $\chi^2/\text{NDF}$ : 661.5/3

0.107+/-0.000  $\chi^2/\text{NDF}$ : 8461.8/9

0.107+/-0.000  $\chi^2/\text{NDF}$ : 7421.4/5

# dit\_sam1\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-42.861 \pm 0.083$   $\chi^2/\text{NDF}$ : 312.1/3

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

Right Out:  $42.883 \pm 0.055$   $\chi^2/\text{NDF}$ : 11727.6/5

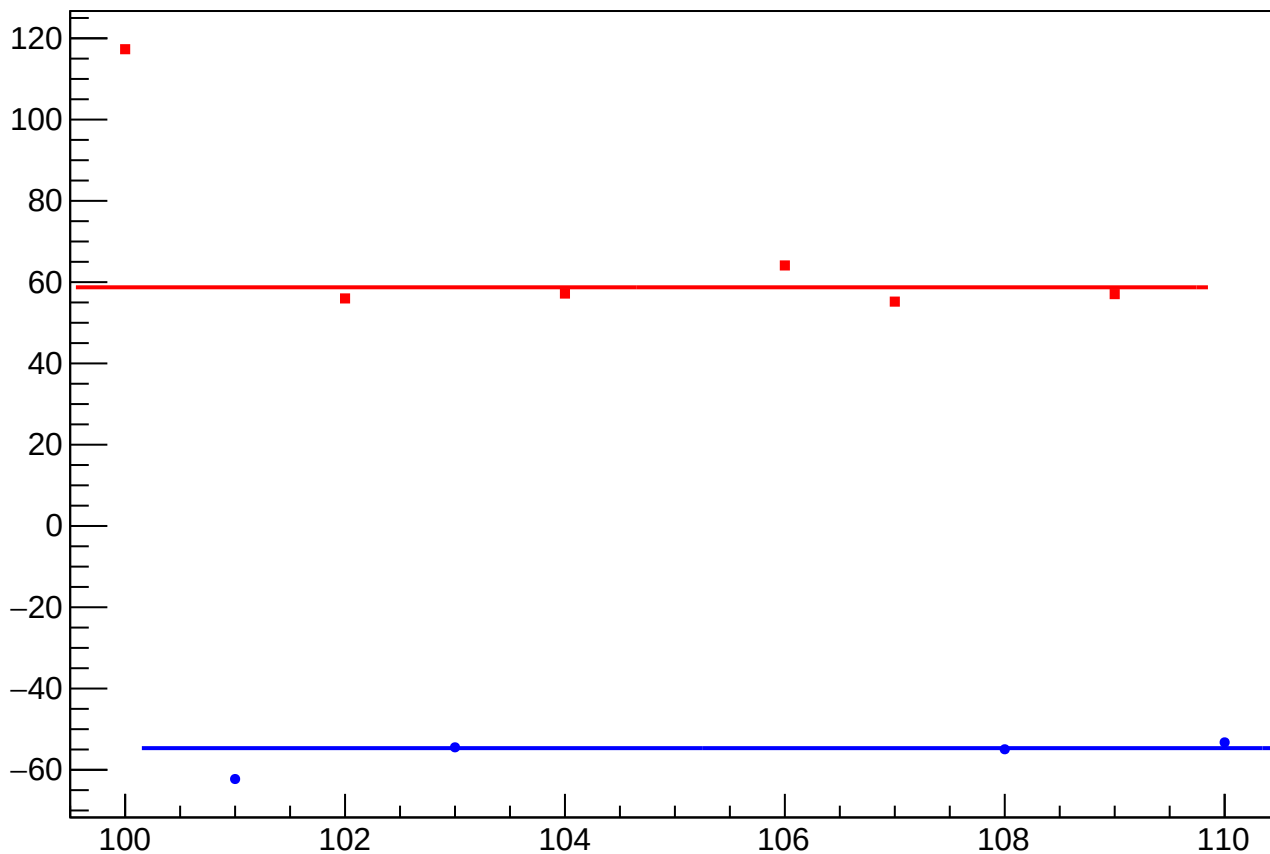
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-42.861 \pm 0.083$   $\chi^2/\text{NDF}$ : 312.1/3

$16.723 \pm 0.046$   $\chi^2/\text{NDF}$ : 751209.7/9

$42.883 \pm 0.055$   $\chi^2/\text{NDF}$ : 11727.6/5

# dit\_sam1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-54.665 \pm 0.079$   $\chi^2/\text{NDF}$ : 361.6/3

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

Right Out:  $58.729 \pm 0.074$   $\chi^2/\text{NDF}$ : 25381.9/5

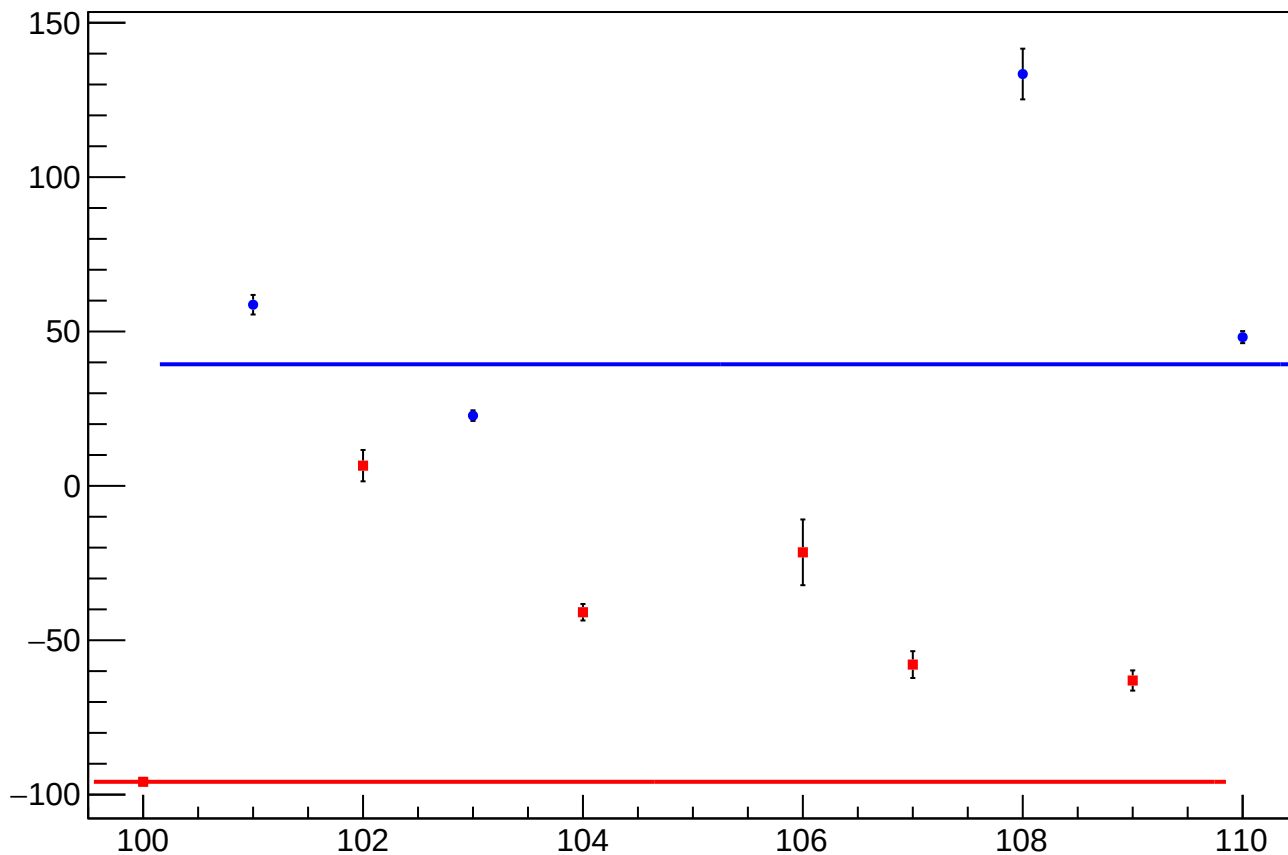
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-54.665 \pm 0.079$   $\chi^2/\text{NDF}$ : 361.6/3

$5.510 \pm 0.054$   $\chi^2/\text{NDF}$ : 1113354.7/9

$58.729 \pm 0.074$   $\chi^2/\text{NDF}$ : 25381.9/5

# dit\_sam2\_4aX\_slope vs Slug, Sign Corrected



Right In: 39.382+/-1.181  $\chi^2/\text{NDF}$ : 282.1/3

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

Right Out: -95.846+/-0.000  $\chi^2/\text{NDF}$ : 1054.2/5

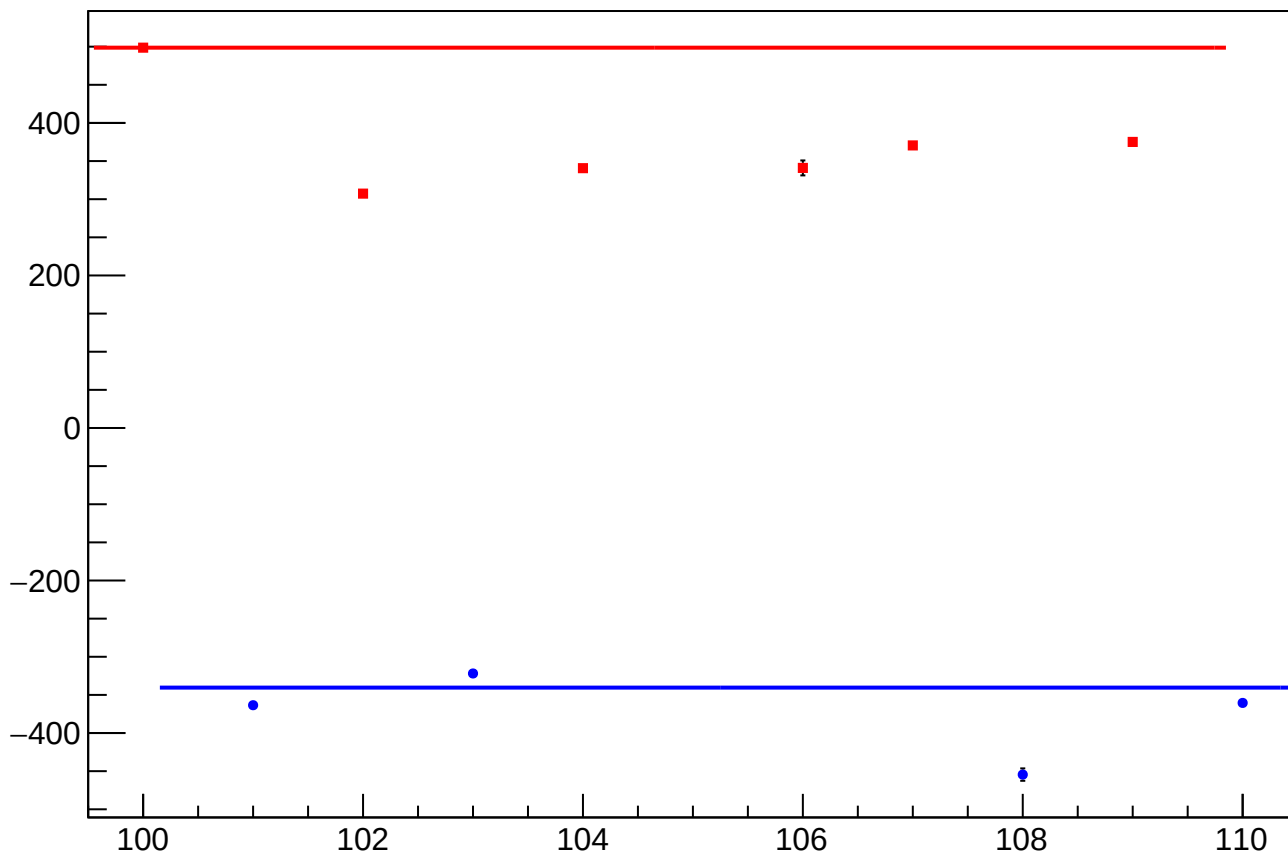
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

39.382+/-1.181  $\chi^2/\text{NDF}$ : 282.1/3

-95.846+/-0.000  $\chi^2/\text{NDF}$ : 14442.1/9

-95.846+/-0.000  $\chi^2/\text{NDF}$ : 1054.2/5

# dit\_sam2\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-340.433 \pm 0.998$   $\chi^2/\text{NDF}$ : 591.3/3

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

Right Out:  $498.692 \pm 0.000$   $\chi^2/\text{NDF}$ : 12044.6/5

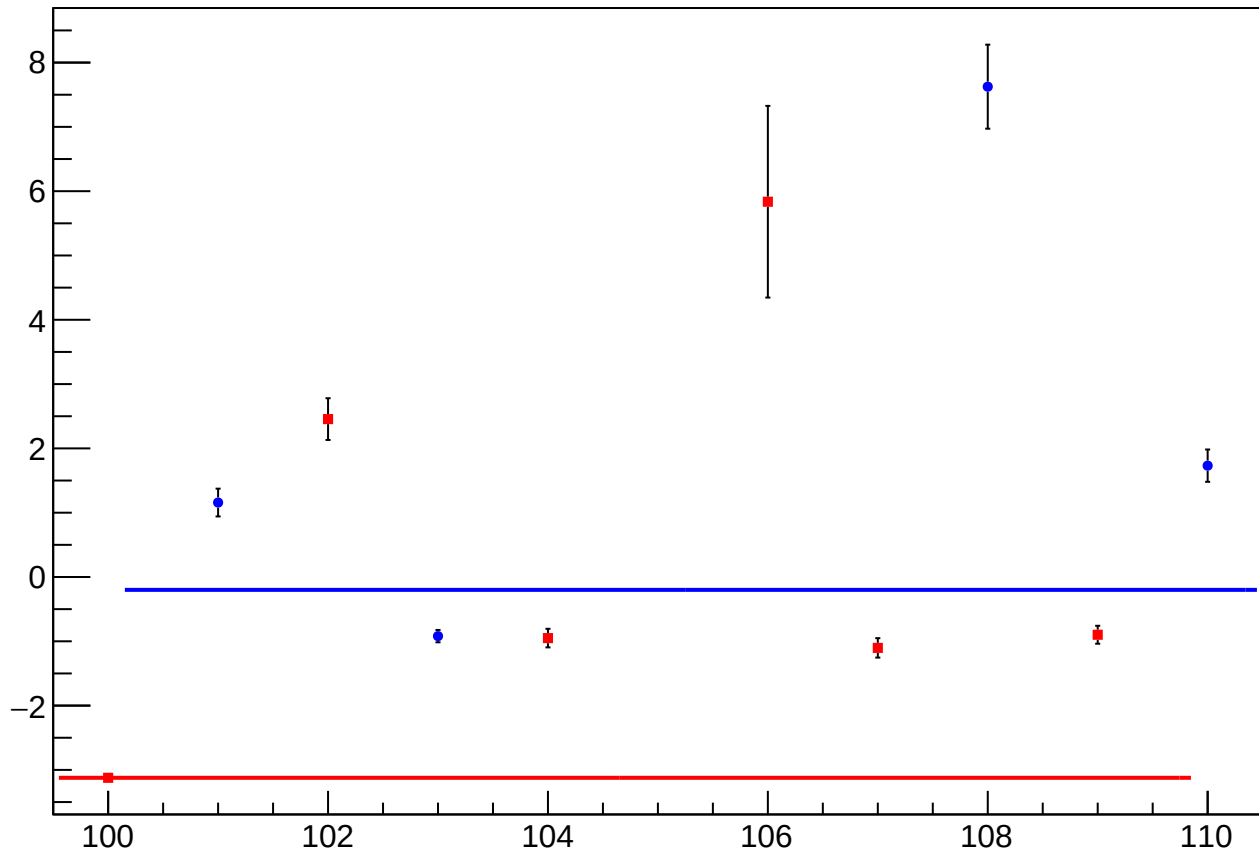
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-340.433 \pm 0.998$   $\chi^2/\text{NDF}$ : 591.3/3

$498.692 \pm 0.000$   $\chi^2/\text{NDF}$ : 719359.3/9

$498.692 \pm 0.000$   $\chi^2/\text{NDF}$ : 12044.6/5

# dit\_sam2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -0.200 $\pm$ 0.082  $\chi^2$ /NDF: 298.1/3

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

Right Out: -3.123 $\pm$ 0.000  $\chi^2$ /NDF: 990.9/5

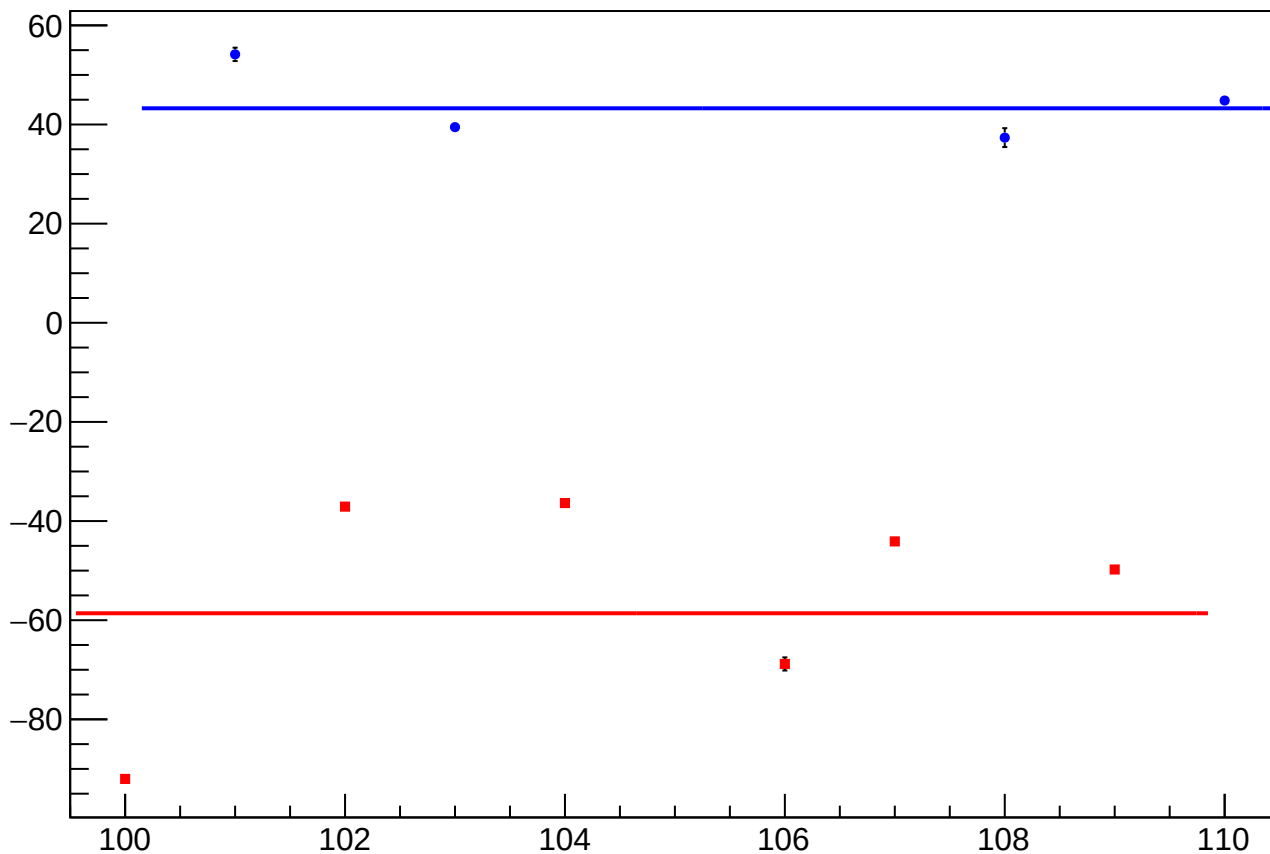
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.200 $\pm$ 0.082  $\chi^2$ /NDF: 298.1/3

-3.123 $\pm$ 0.000  $\chi^2$ /NDF: 2553.5/9

-3.123 $\pm$ 0.000  $\chi^2$ /NDF: 990.9/5

# dit\_sam2\_4aY\_slope vs Slug, Sign Corrected



Right In: 43.269+/-0.319  $\chi^2/\text{NDF}$ : 138.3/3

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

Right Out: -58.603+/-0.201  $\chi^2/\text{NDF}$ : 11705.8/5

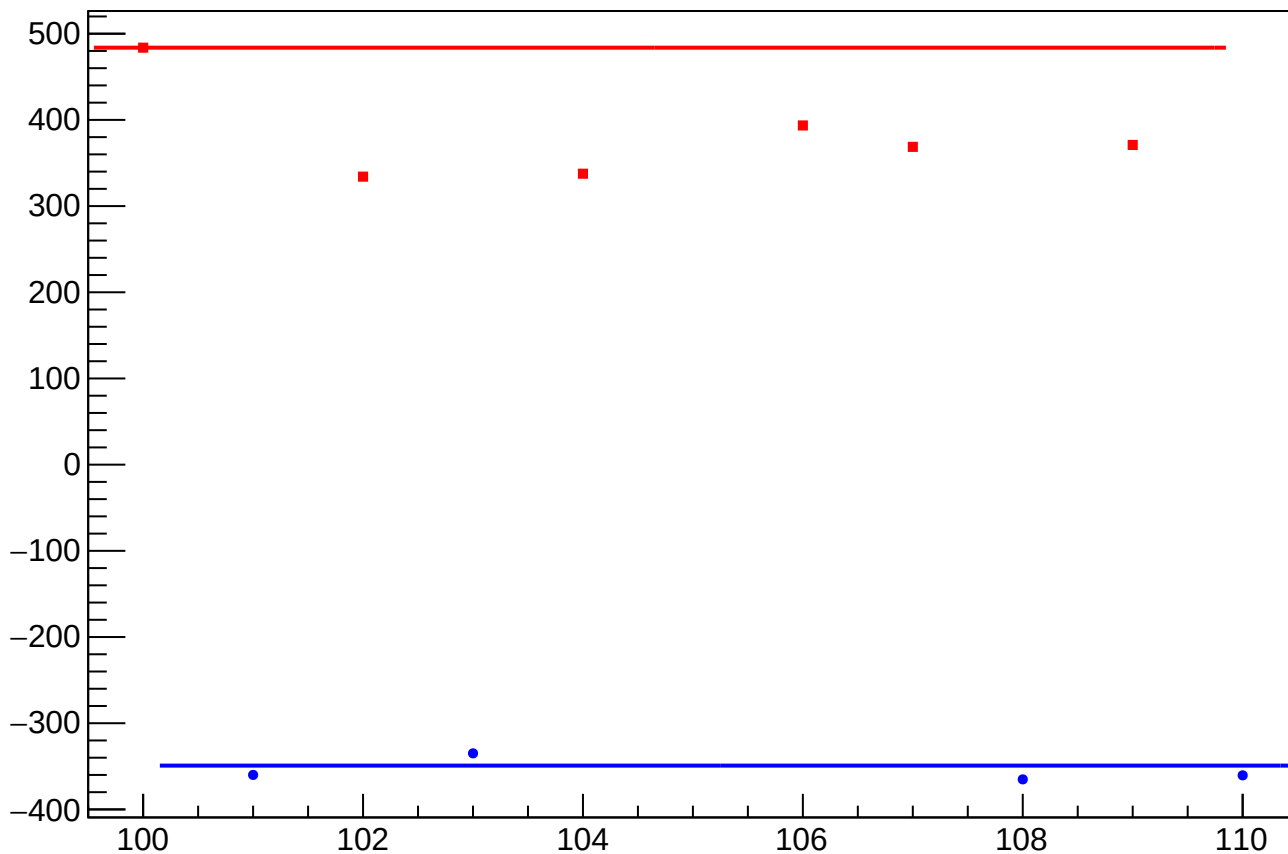
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

43.269+/-0.319  $\chi^2/\text{NDF}$ : 138.3/3

-29.542+/-0.170  $\chi^2/\text{NDF}$ : 84827.5/9

-58.603+/-0.201  $\chi^2/\text{NDF}$ : 11705.8/5

# dit\_sam2\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-349.170 \pm 0.322$   $\chi^2/\text{NDF}: 1598.9/3$

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

Right Out:  $483.800 \pm 0.000$   $\chi^2/\text{NDF}: 131538.5/5$

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

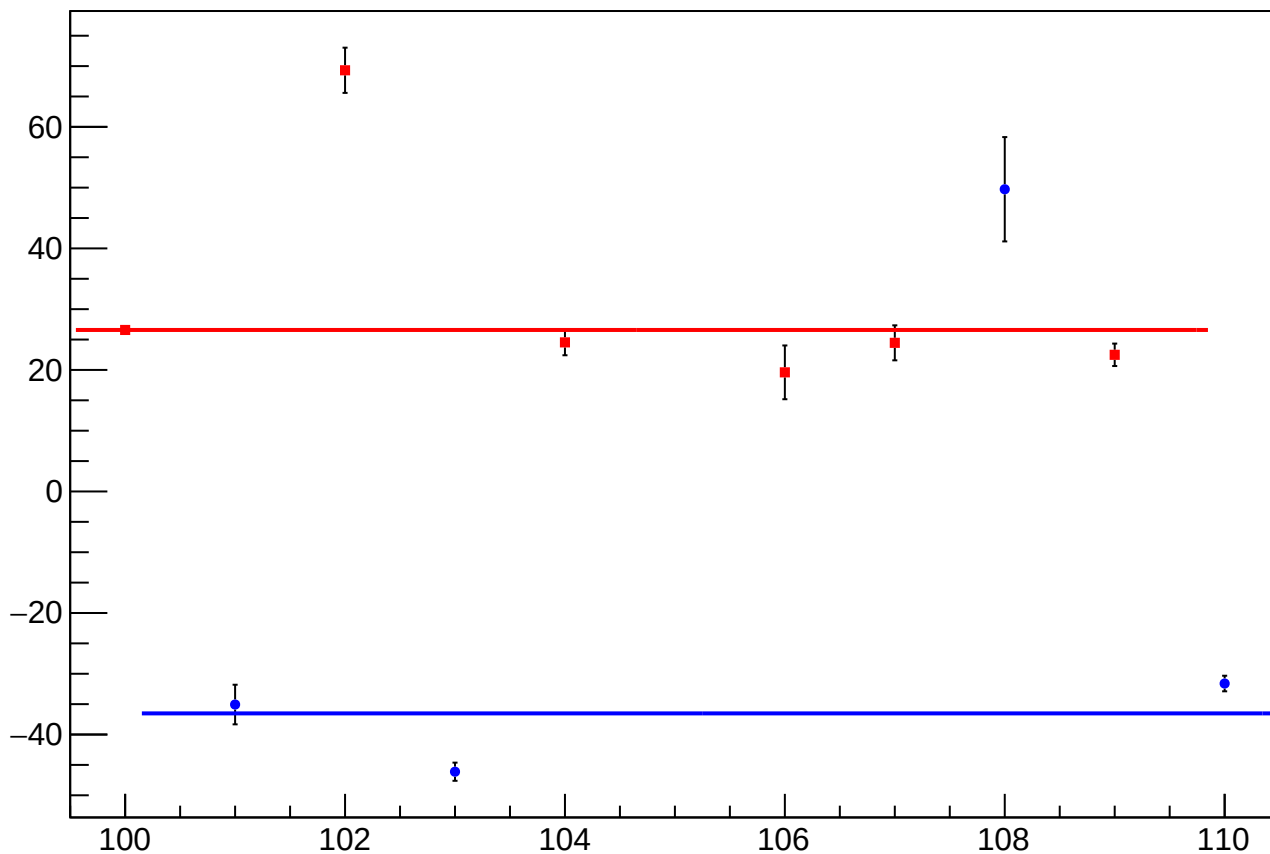
$-349.170 \pm 0.322$   $\chi^2/\text{NDF}: 1598.9/3$

$483.800 \pm 0.000$   $\chi^2/\text{NDF}: 6838309.9/9$

$483.800 \pm 0.000$   $\chi^2/\text{NDF}: 131538.5/5$



# dit\_sam3\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-36.522 \pm 0.927$   $\chi^2/\text{NDF}$ : 157.1/3

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

Right Out:  $26.577 \pm 0.000$   $\chi^2/\text{NDF}$ : 142.2/5

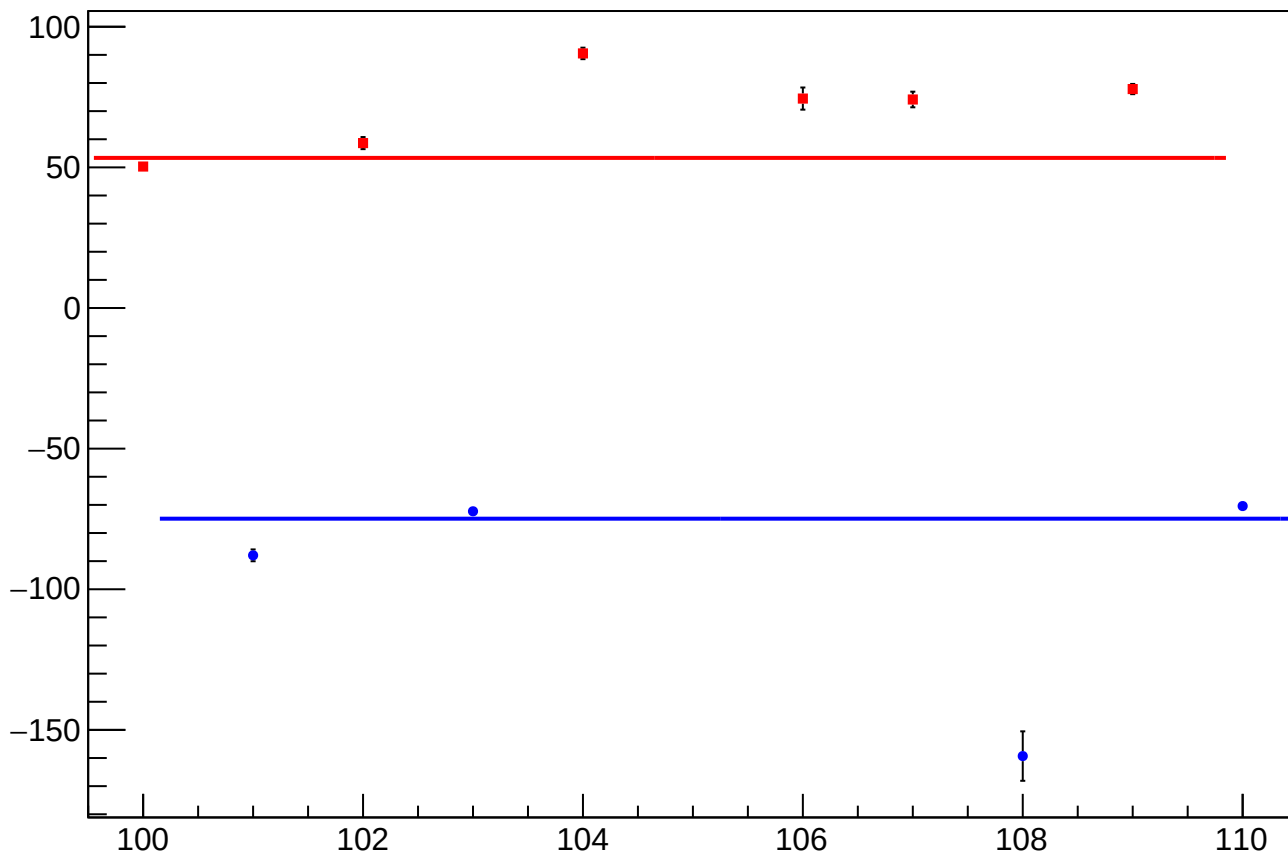
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-36.522 \pm 0.927$   $\chi^2/\text{NDF}$ : 157.1/3

$26.577 \pm 0.000$   $\chi^2/\text{NDF}$ : 4931.7/9

$26.577 \pm 0.000$   $\chi^2/\text{NDF}$ : 142.2/5

# dit\_sam3\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-74.905 \pm 0.826$   $\chi^2/\text{NDF}: 144.9/3$

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

Right Out:  $53.372 \pm 0.355$   $\chi^2/\text{NDF}: 669.0/5$

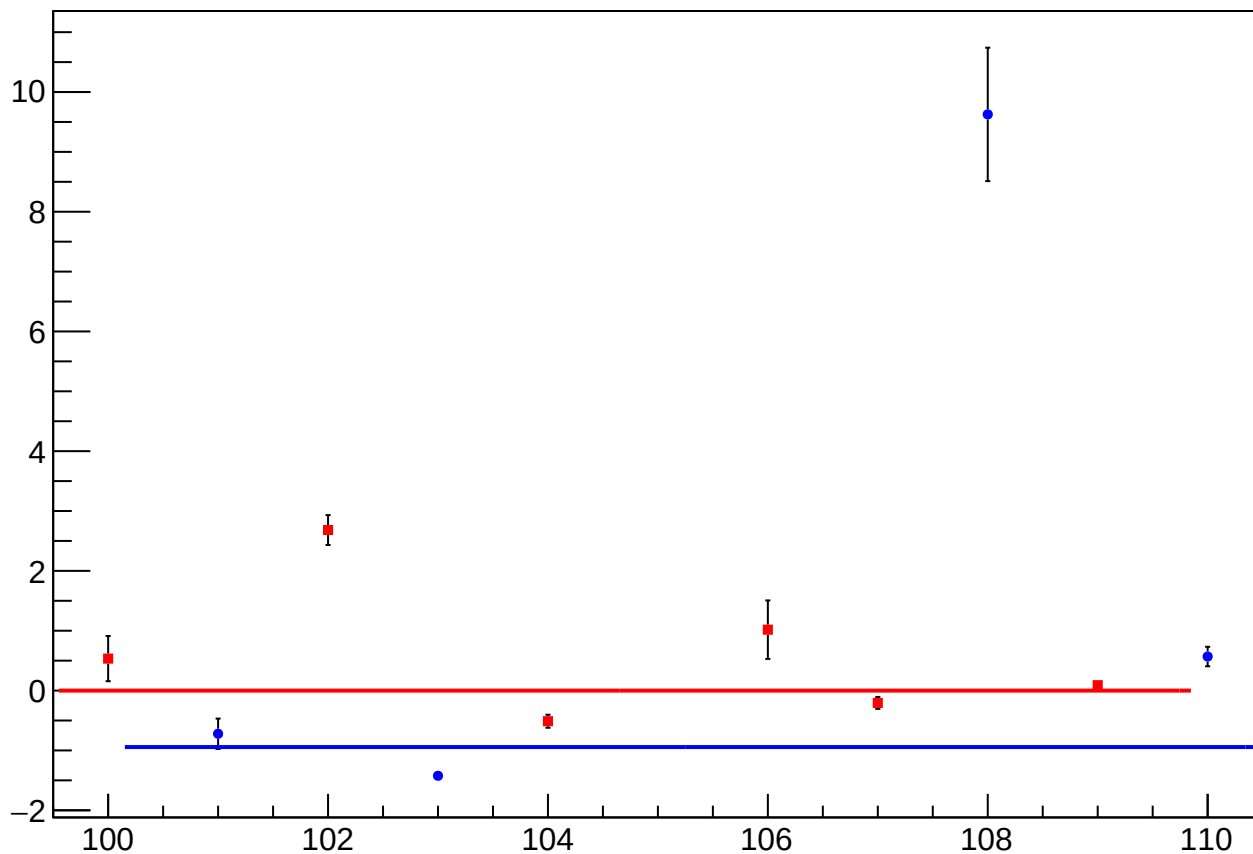
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-74.905 \pm 0.826$   $\chi^2/\text{NDF}: 144.9/3$

$33.430 \pm 0.326$   $\chi^2/\text{NDF}: 21158.7/9$

$53.372 \pm 0.355$   $\chi^2/\text{NDF}: 669.0/5$

# dit\_sam3\_11X12X\_slope vs Slug, Sign Corrected



Right In: -0.944+/-0.071  $\chi^2$ /NDF: 210.1/3

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

Right Out: -0.000+/-0.053  $\chi^2$ /NDF: 149.3/5

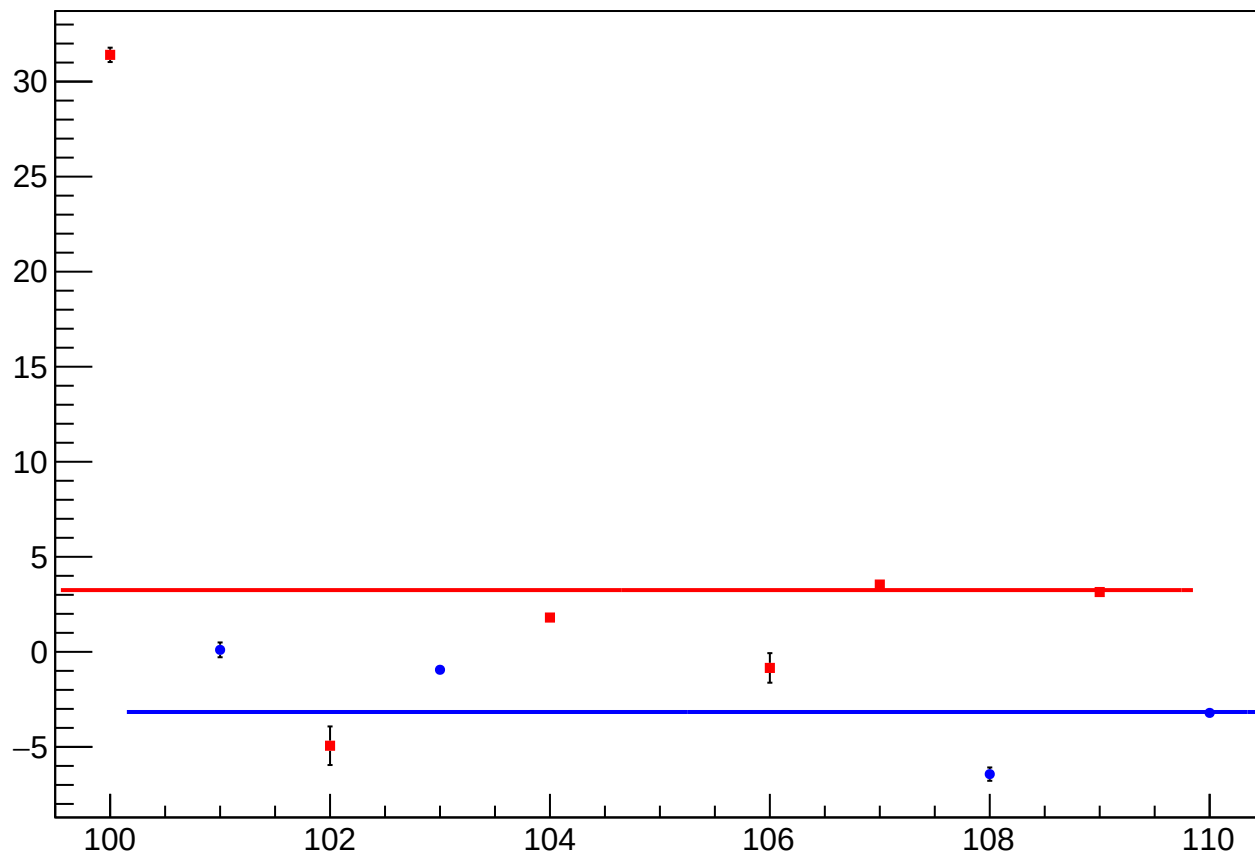
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-0.944+/-0.071  $\chi^2$ /NDF: 210.1/3

-0.337+/-0.042  $\chi^2$ /NDF: 472.5/9

-0.000+/-0.053  $\chi^2$ /NDF: 149.3/5

# dit\_sam3\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-3.163 \pm 0.029$   $\chi^2/\text{NDF}$ : 295.0/3

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

Right Out:  $3.249 \pm 0.033$   $\chi^2/\text{NDF}$ : 5826.9/5

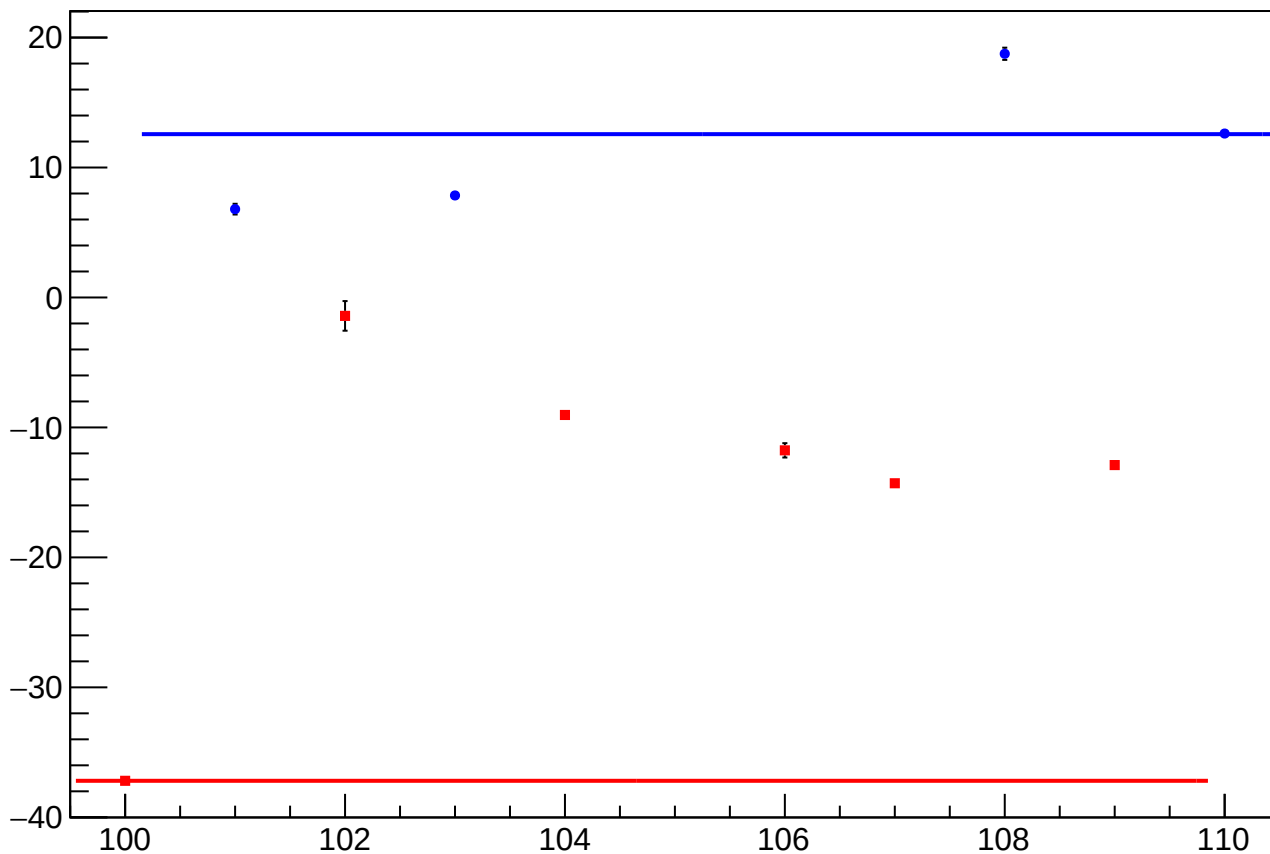
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-3.163 \pm 0.029$   $\chi^2/\text{NDF}$ : 295.0/3

$-0.395 \pm 0.022$   $\chi^2/\text{NDF}$ : 27943.3/9

$3.249 \pm 0.033$   $\chi^2/\text{NDF}$ : 5826.9/5

# dit\_sam3\_4eY\_slope vs Slug, Sign Corrected



Right In: 12.567 $\pm$ 0.020  $\chi^2$ /NDF: 871.6/3

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

Right Out: -37.191 $\pm$ 0.000  $\chi^2$ /NDF: 267666.0/5

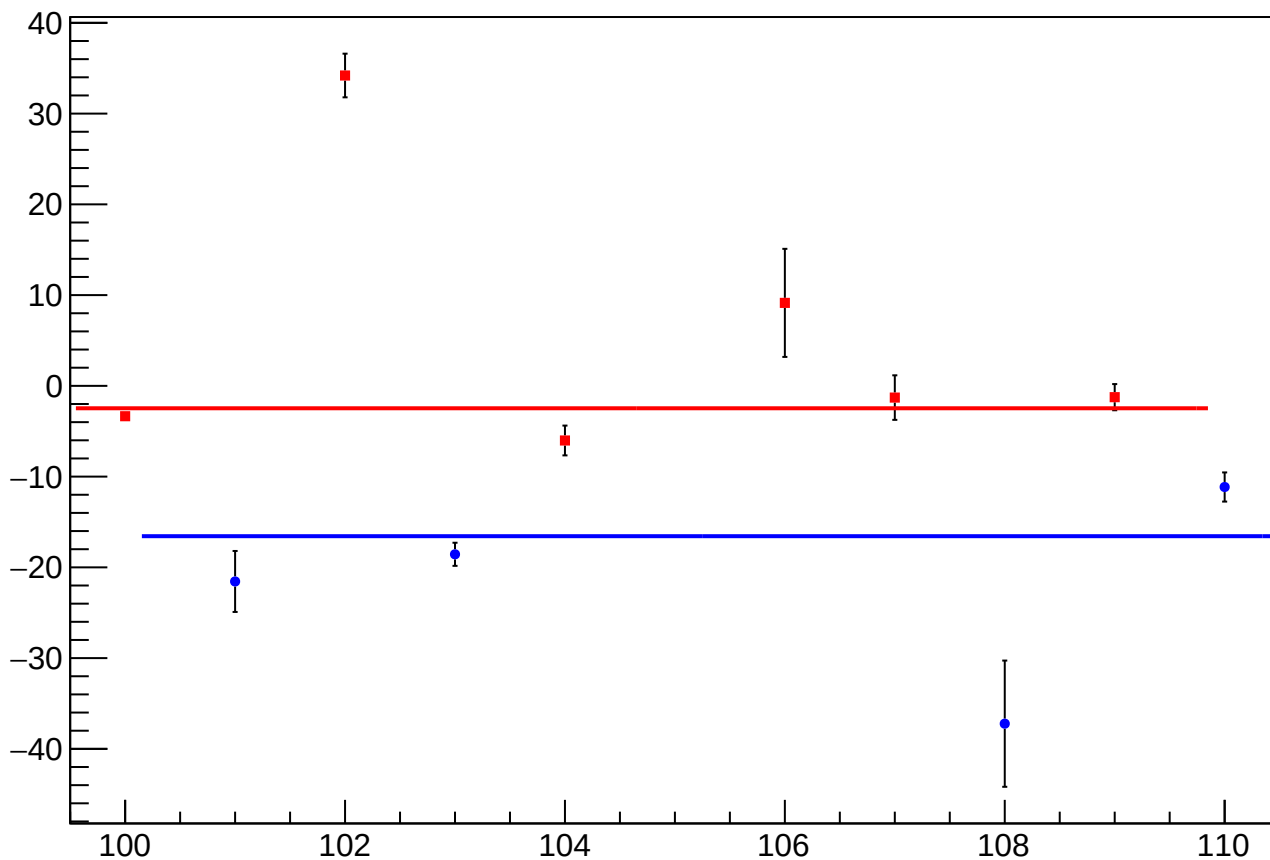
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

12.567 $\pm$ 0.020  $\chi^2$ /NDF: 871.6/3

-37.191 $\pm$ 0.000  $\chi^2$ /NDF: 6175958.0/9

-37.191 $\pm$ 0.000  $\chi^2$ /NDF: 267666.0/5

# dit\_sam4\_4aX\_slope vs Slug, Sign Corrected



Right In: -16.566 $\pm$ 0.948  $\chi^2$ /NDF: 24.9/3

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

Right Out: -2.470 $\pm$ 0.349  $\chi^2$ /NDF: 247.2/5

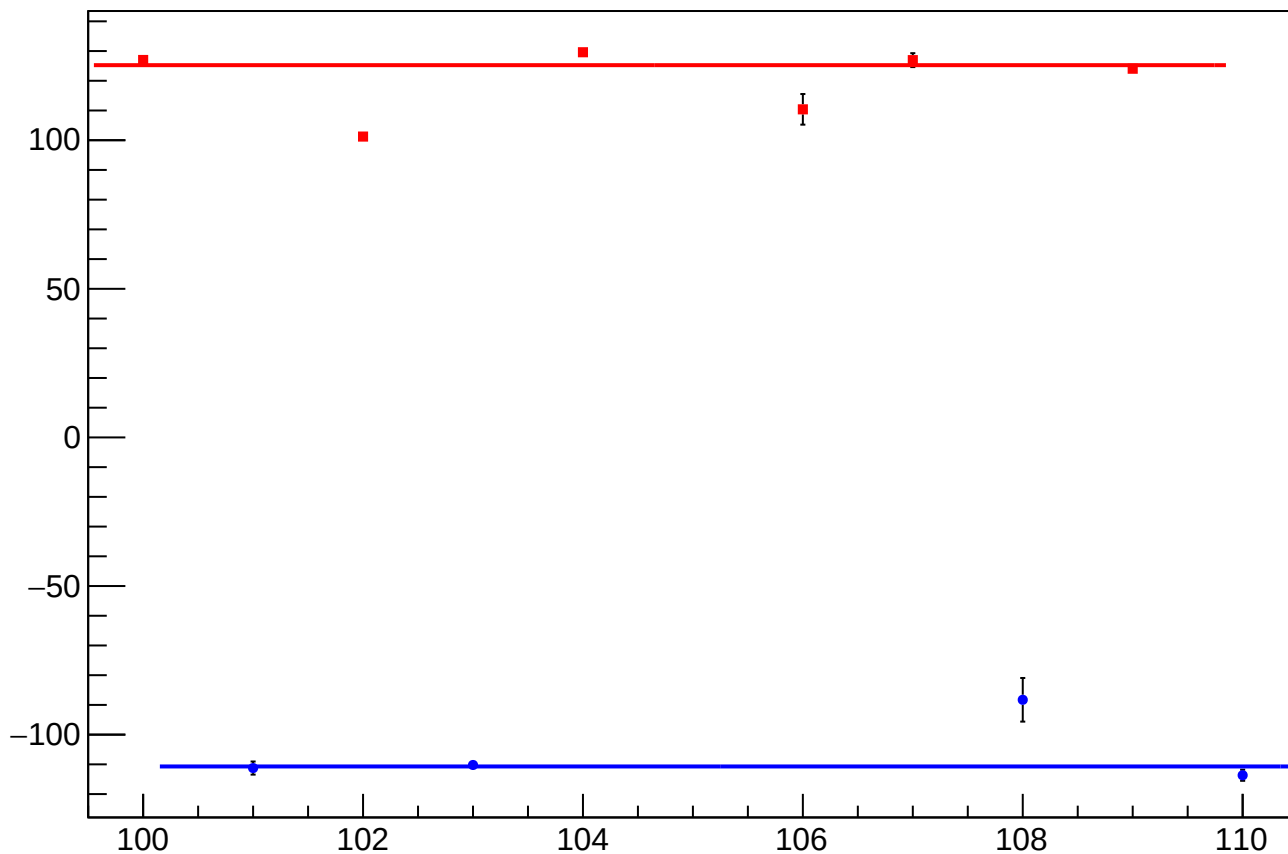
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-16.566 $\pm$ 0.948  $\chi^2$ /NDF: 24.9/3

-4.152 $\pm$ 0.327  $\chi^2$ /NDF: 466.8/9

-2.470 $\pm$ 0.349  $\chi^2$ /NDF: 247.2/5

# dit\_sam4\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-110.707 \pm 0.787$   $\chi^2/\text{NDF}: 12.2/3$

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

Right Out:  $125.251 \pm 0.339$   $\chi^2/\text{NDF}: 355.1/5$

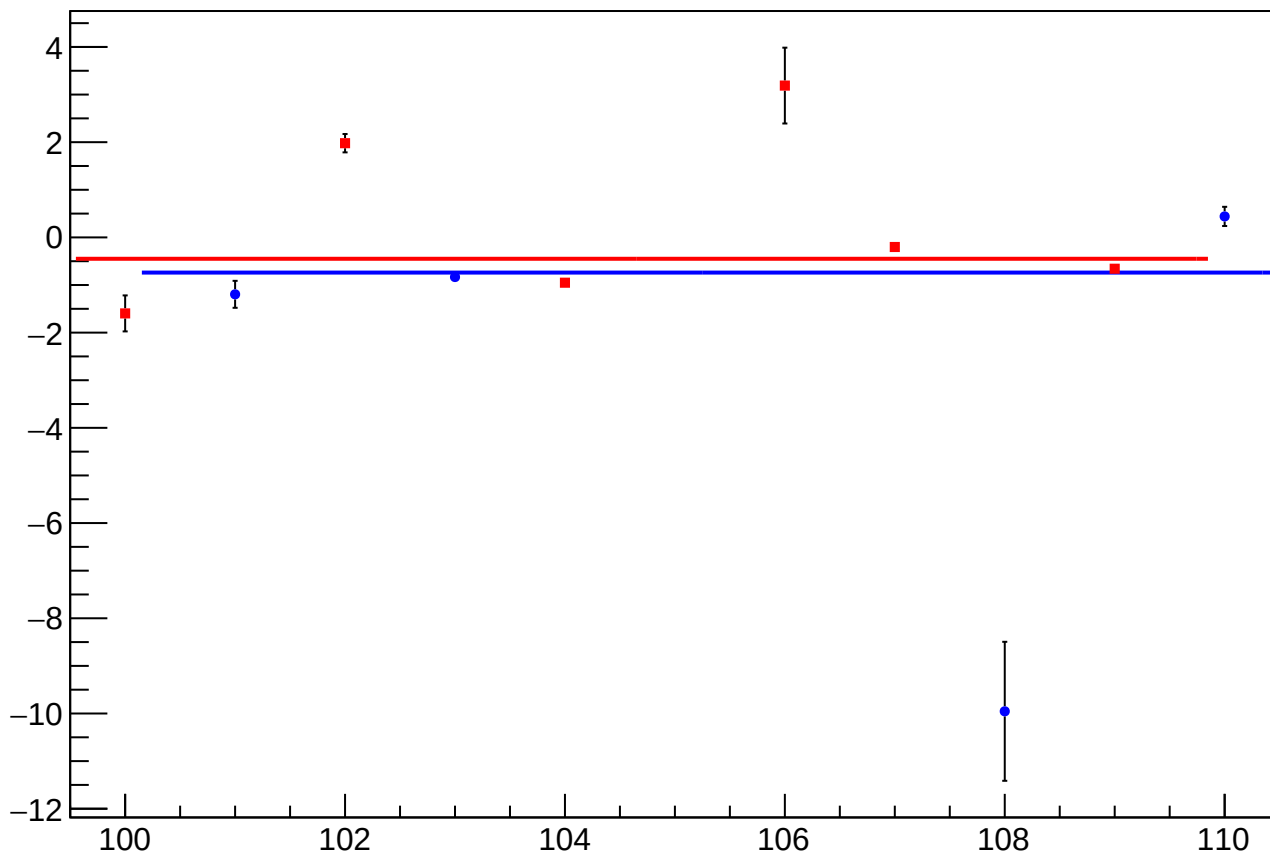
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-110.707 \pm 0.787$   $\chi^2/\text{NDF}: 12.2/3$

$88.292 \pm 0.311$   $\chi^2/\text{NDF}: 76255.0/9$

$125.251 \pm 0.339$   $\chi^2/\text{NDF}: 355.1/5$

# dit\_sam4\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-0.739 \pm 0.064$   $\chi^2/\text{NDF}$ : 78.5/3

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

Right Out:  $-0.449 \pm 0.048$   $\chi^2/\text{NDF}$ : 242.0/5

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

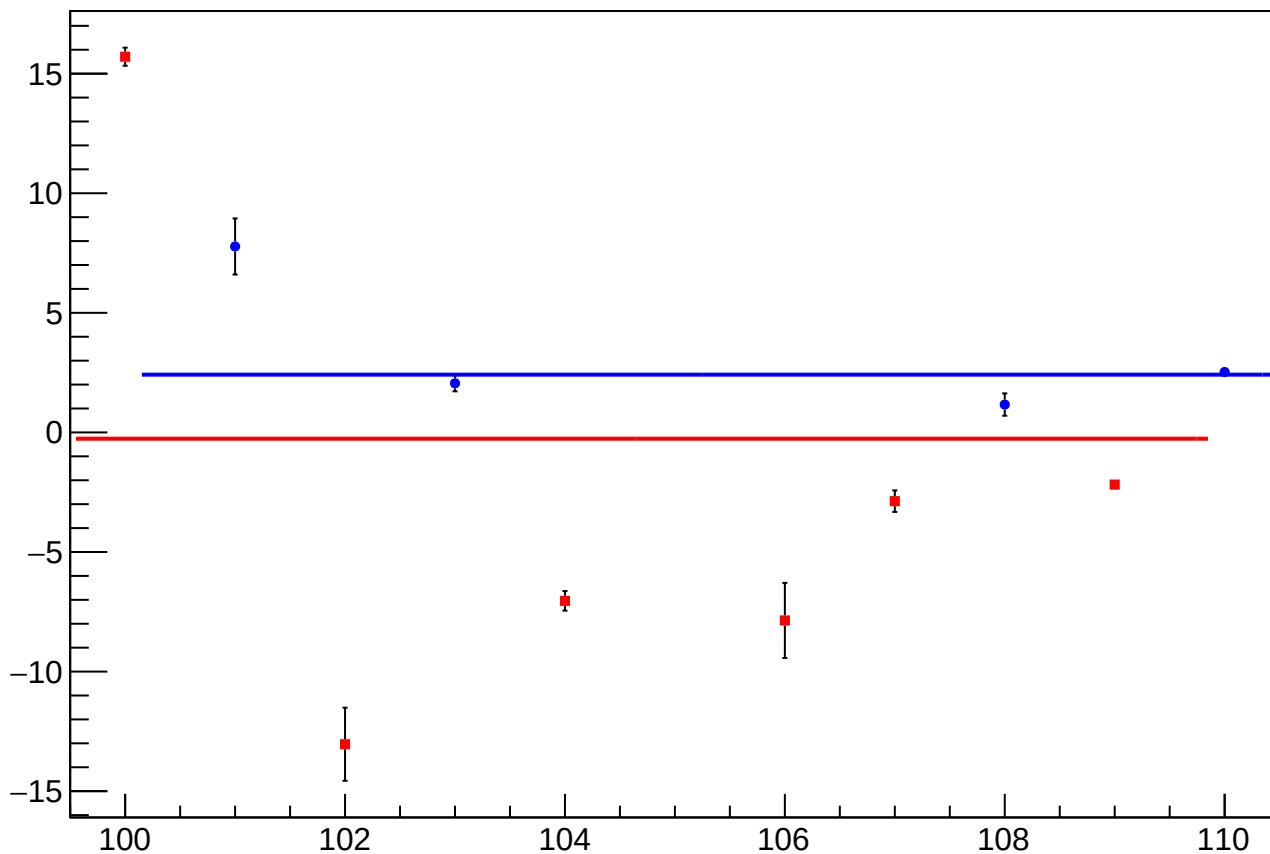
$-0.739 \pm 0.064$   $\chi^2/\text{NDF}$ : 78.5/3

$-0.552 \pm 0.038$   $\chi^2/\text{NDF}$ : 333.6/9

$-0.449 \pm 0.048$   $\chi^2/\text{NDF}$ : 242.0/5



# dit\_sam4\_4aY\_slope vs Slug, Sign Corrected



Right In: 2.415+/-0.129  $\chi^2/\text{NDF}$ : 29.8/3

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

Right Out: -0.264+/-0.150  $\chi^2/\text{NDF}$ : 2283.3/5

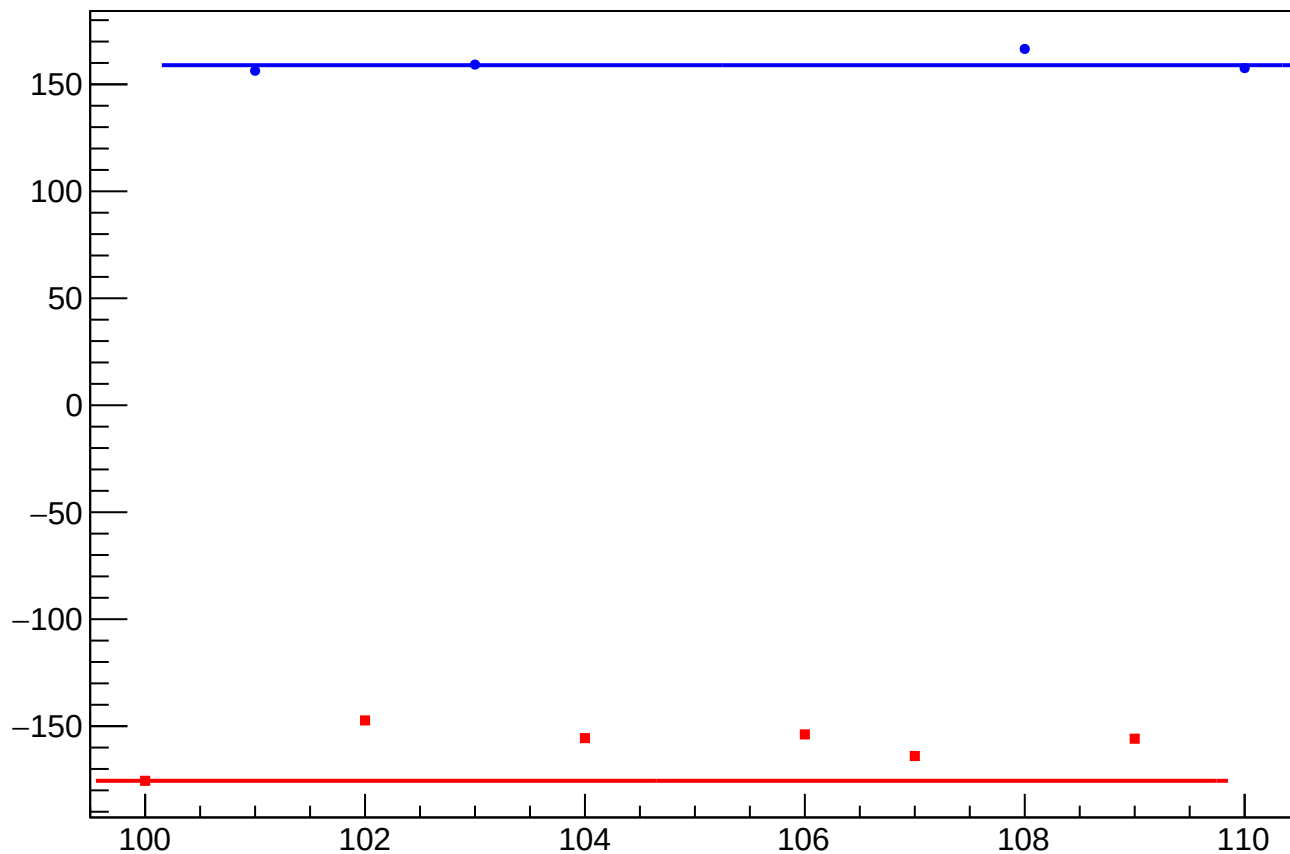
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.415+/-0.129  $\chi^2/\text{NDF}$ : 29.8/3

1.272+/-0.098  $\chi^2/\text{NDF}$ : 2497.1/9

-0.264+/-0.150  $\chi^2/\text{NDF}$ : 2283.3/5

# dit\_sam4\_4eY\_slope vs Slug, Sign Corrected



Right In: 158.956 $\pm$ 0.185  $\chi^2$ /NDF: 204.9/3

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

Right Out: -175.536 $\pm$ 0.000  $\chi^2$ /NDF: 10077.3/5

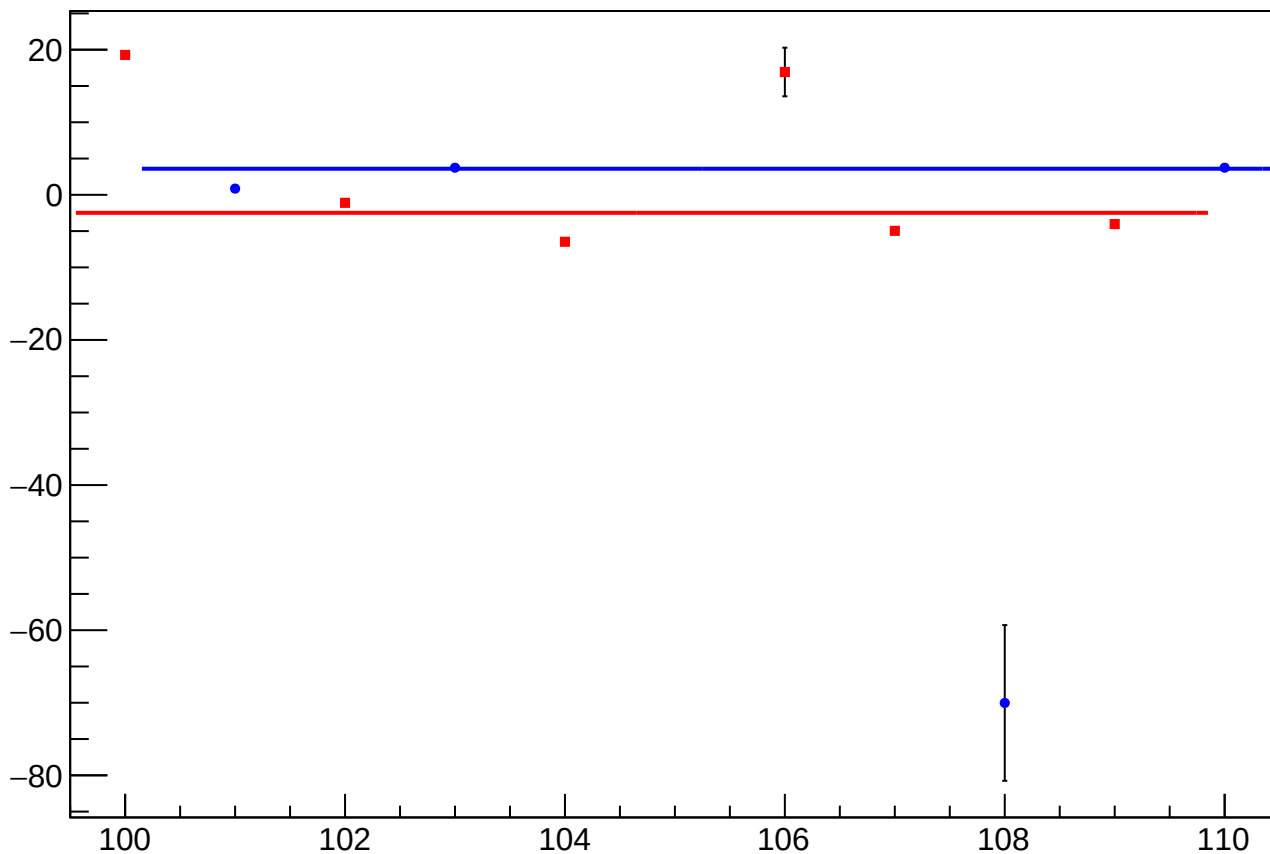
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

158.956 $\pm$ 0.185  $\chi^2$ /NDF: 204.9/3

-175.536 $\pm$ 0.000  $\chi^2$ /NDF: 3282116.5/9

-175.536 $\pm$ 0.000  $\chi^2$ /NDF: 10077.3/5

# dit\_sam5\_4aX\_slope vs Slug, Sign Corrected



Right In:  $3.595 \pm 0.083$   $\chi^2/\text{NDF}$ : 102.3/3

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

Right Out:  $-2.479 \pm 0.092$   $\chi^2/\text{NDF}$ : 4106.4/5

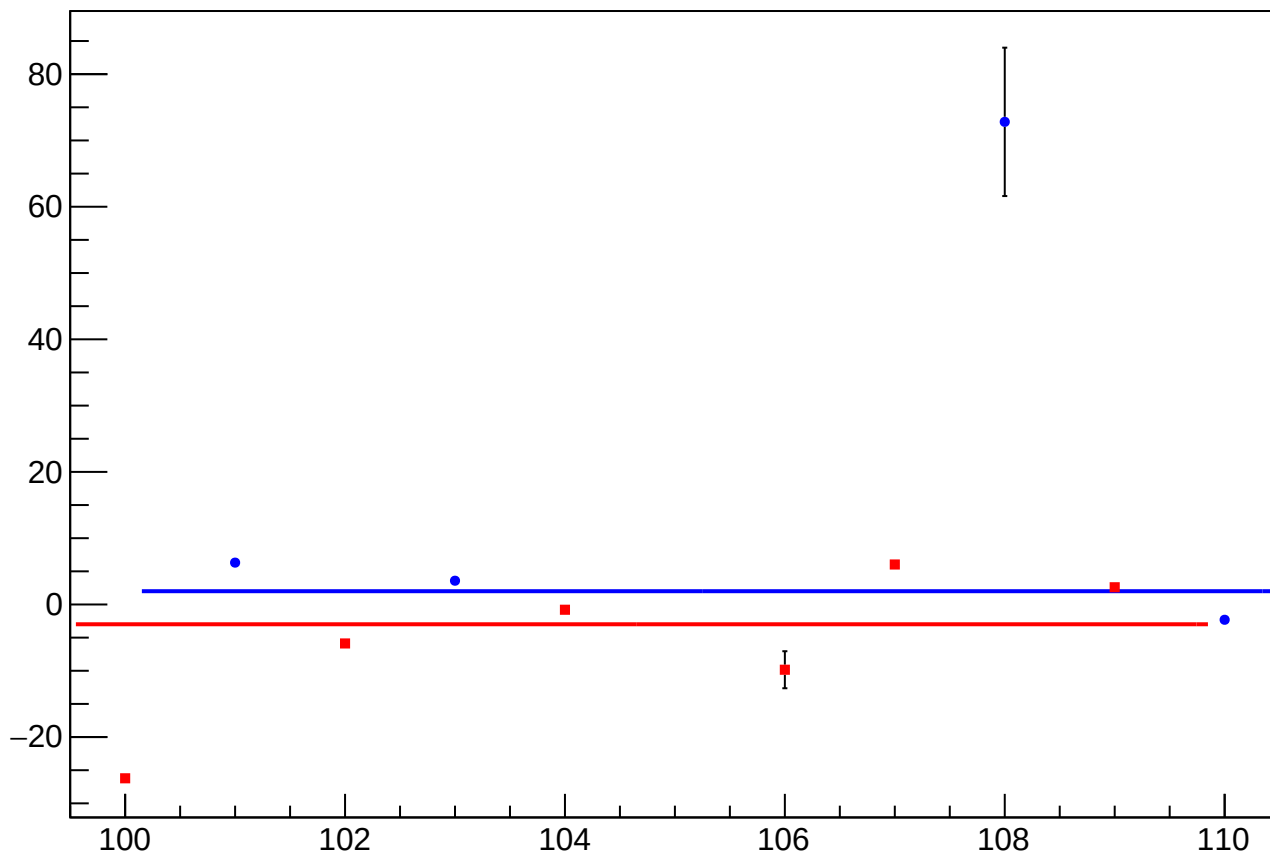
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$3.595 \pm 0.083$   $\chi^2/\text{NDF}$ : 102.3/3

$0.881 \pm 0.061$   $\chi^2/\text{NDF}$ : 6629.1/9

$-2.479 \pm 0.092$   $\chi^2/\text{NDF}$ : 4106.4/5

# dit\_sam5\_4eX\_slope vs Slug, Sign Corrected



Right In: 2.004+/-0.078  $\chi^2/\text{NDF}$ : 1416.0/3

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

Right Out: -2.985+/-0.080  $\chi^2/\text{NDF}$ : 6693.5/5

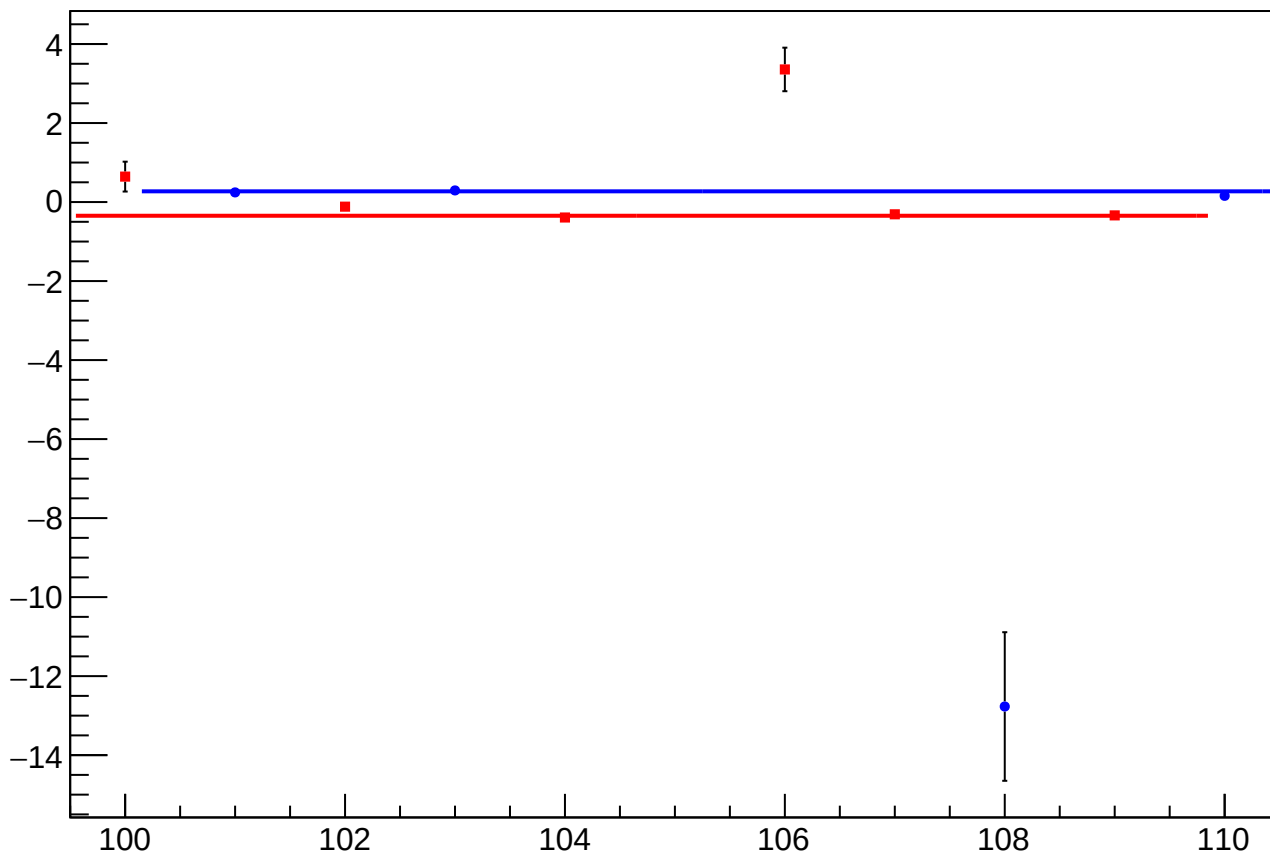
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.004+/-0.078  $\chi^2/\text{NDF}$ : 1416.0/3

-0.416+/-0.056  $\chi^2/\text{NDF}$ : 10098.8/9

-2.985+/-0.080  $\chi^2/\text{NDF}$ : 6693.5/5

# dit\_sam5\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.271+/-0.005  $\chi^2/\text{NDF}$ : 151.3/3

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

Right Out: -0.347+/-0.004  $\chi^2/\text{NDF}$ : 362.1/5

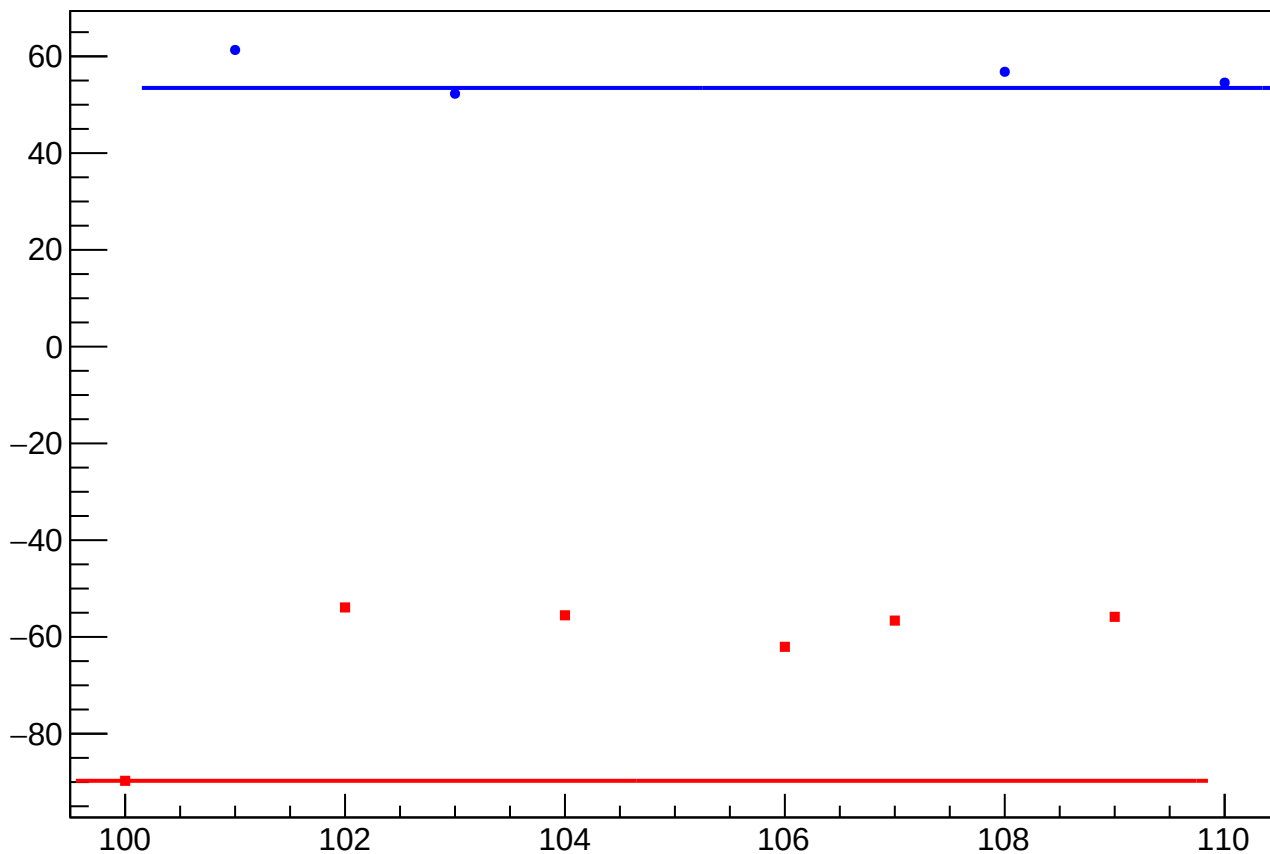
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.271+/-0.005  $\chi^2/\text{NDF}$ : 151.3/3

-0.081+/-0.003  $\chi^2/\text{NDF}$ : 9472.0/9

-0.347+/-0.004  $\chi^2/\text{NDF}$ : 362.1/5

# dit\_sam5\_4aY\_slope vs Slug, Sign Corrected



Right In: 53.471+/-0.052  $\chi^2/\text{NDF}$ : 1479.1/3

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

Right Out: -89.735+/-0.000  $\chi^2/\text{NDF}$ : 400234.4/5

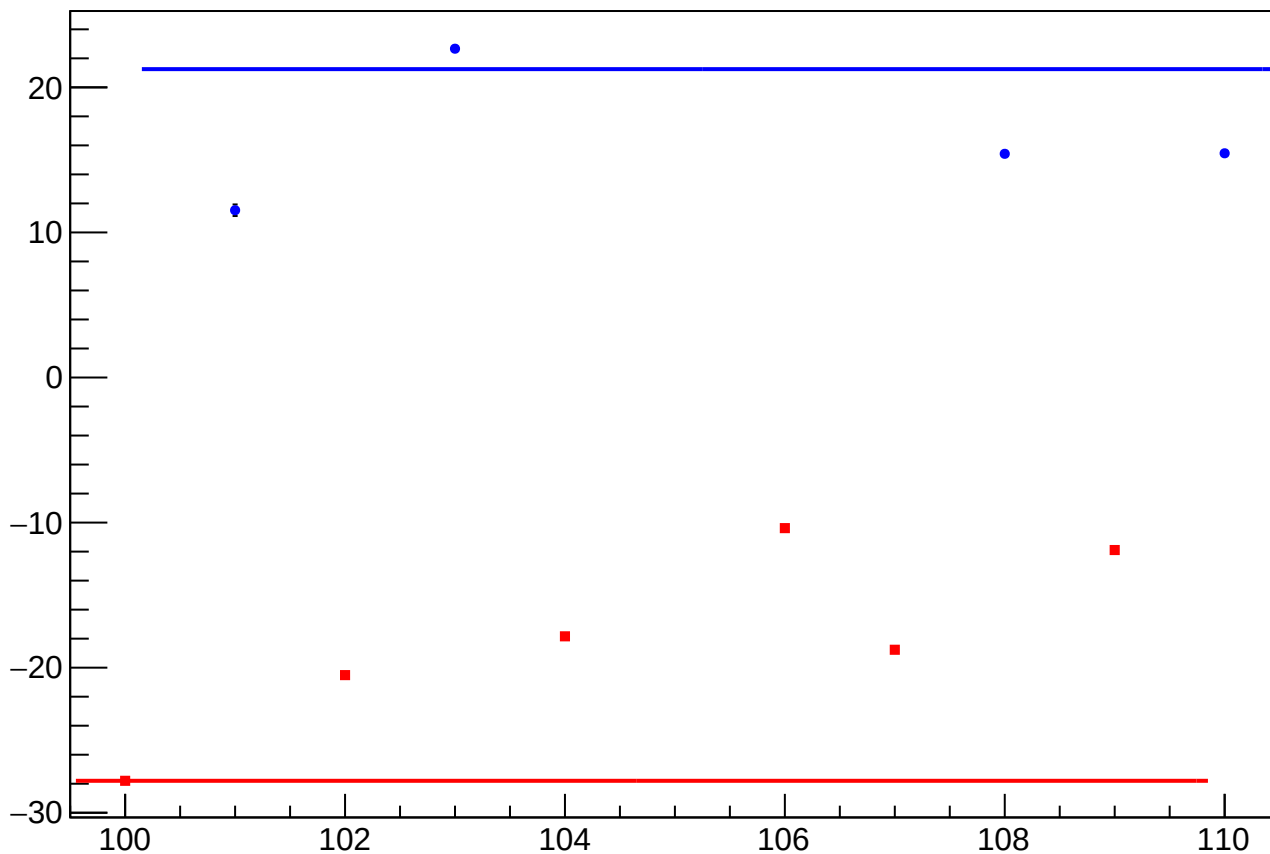
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

53.471+/-0.052  $\chi^2/\text{NDF}$ : 1479.1/3

-89.735+/-0.000  $\chi^2/\text{NDF}$ : 8017351.9/9

-89.735+/-0.000  $\chi^2/\text{NDF}$ : 400234.4/5

# dit\_sam5\_4eY\_slope vs Slug, Sign Corrected



Right In: 21.256+/-0.064  $\chi^2/\text{NDF}$ : 2261.6/3

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

Right Out: -27.798+/-0.000  $\chi^2/\text{NDF}$ : 30230.2/5

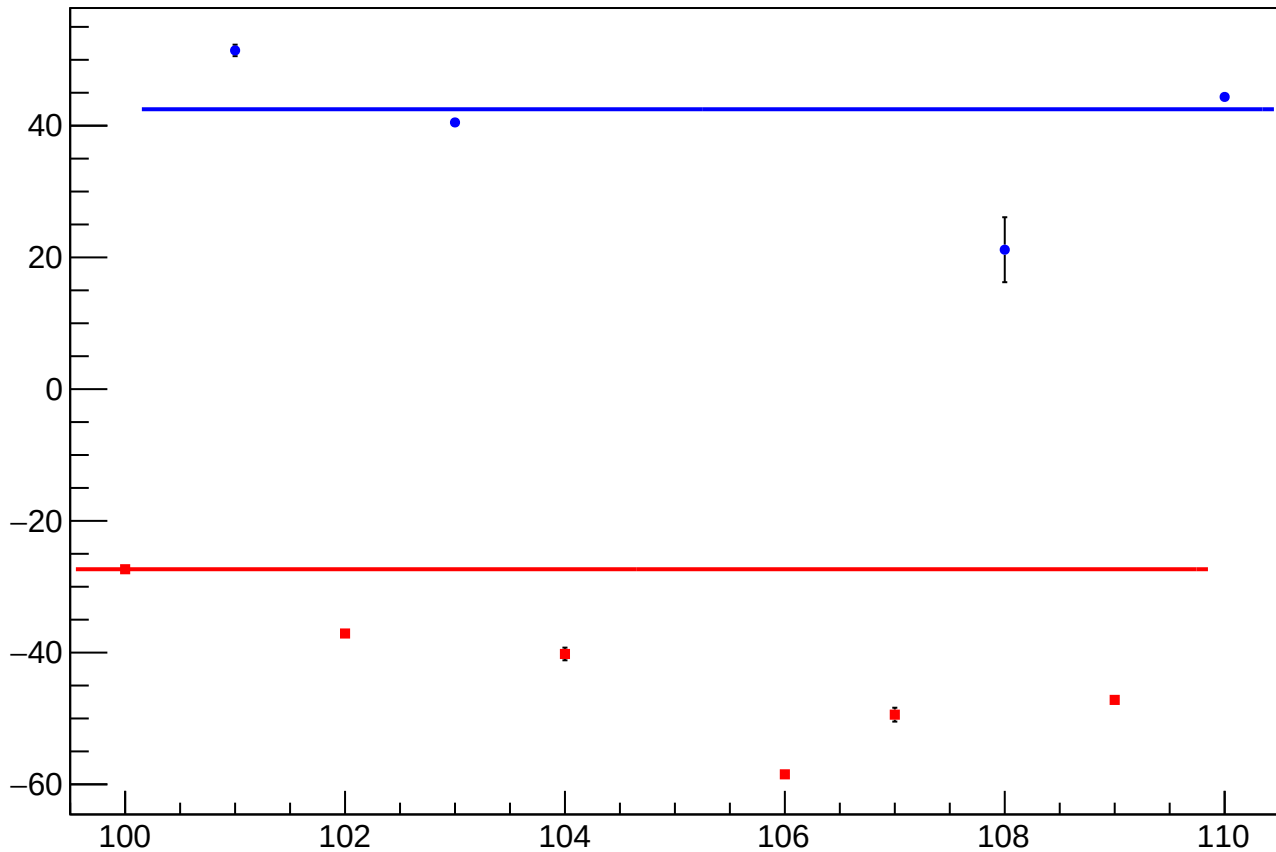
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

21.256+/-0.064  $\chi^2/\text{NDF}$ : 2261.6/3

-27.798+/-0.000  $\chi^2/\text{NDF}$ : 616894.0/9

-27.798+/-0.000  $\chi^2/\text{NDF}$ : 30230.2/5

# dit\_sam6\_4aX\_slope vs Slug, Sign Corrected



Right In: 42.494 $\pm$ 0.283  $\chi^2$ /NDF: 166.7/3

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

Right Out: -27.342 $\pm$ 0.000  $\chi^2$ /NDF: 5563.9/5

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

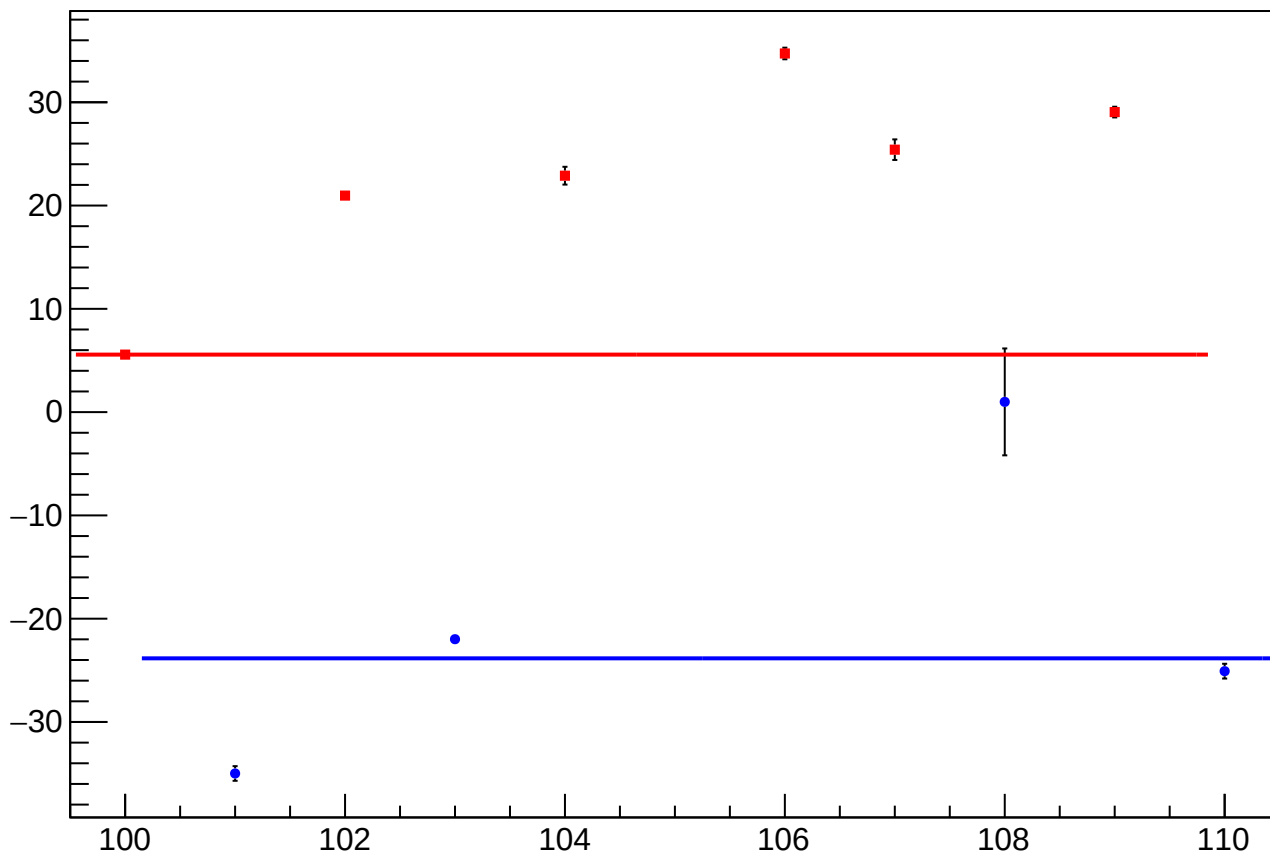
42.494 $\pm$ 0.283  $\chi^2$ /NDF: 166.7/3

-27.342 $\pm$ 0.000  $\chi^2$ /NDF: 66538.3/9

-27.342 $\pm$ 0.000  $\chi^2$ /NDF: 5563.9/5



# dit\_sam6\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-23.839 \pm 0.244$   $\chi^2/\text{NDF}$ : 317.0/3

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

Right Out:  $5.568 \pm 0.000$   $\chi^2/\text{NDF}$ : 8770.4/5

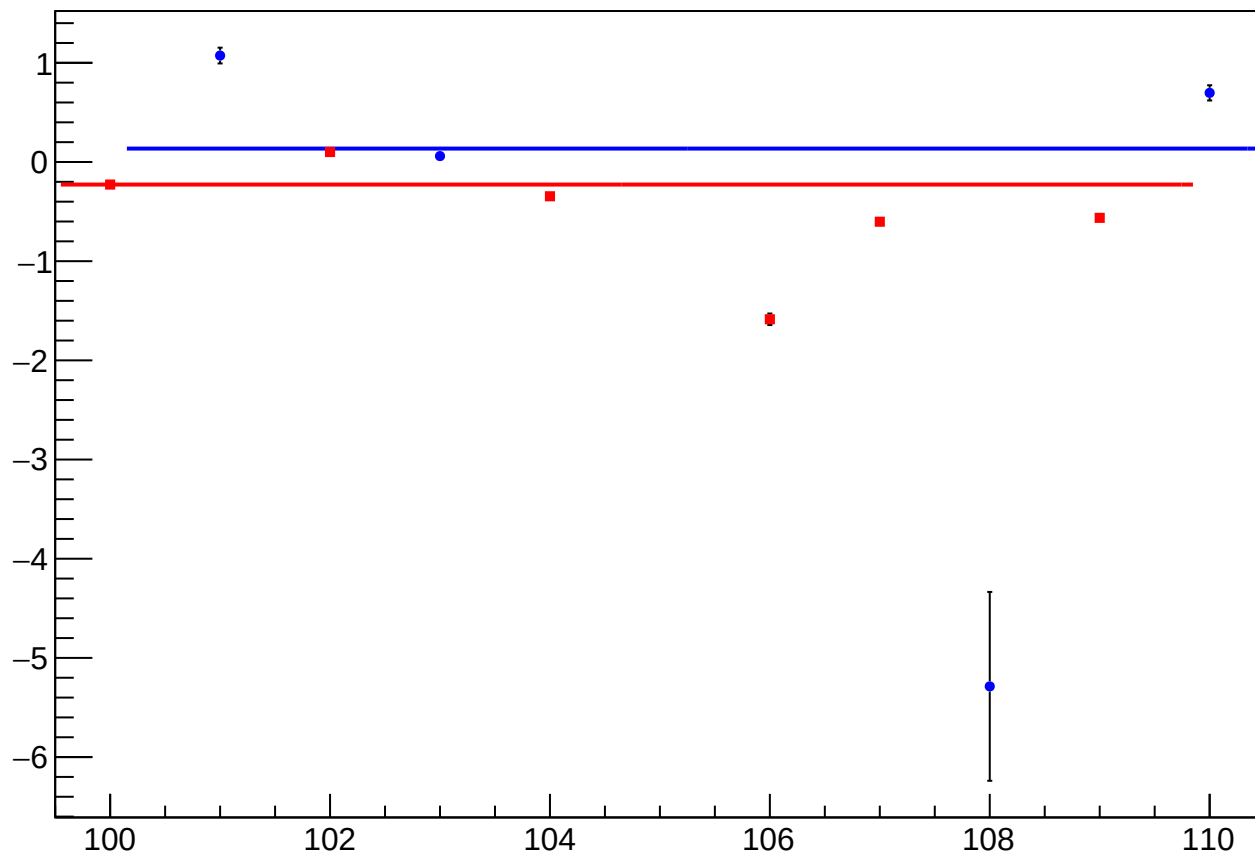
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-23.839 \pm 0.244$   $\chi^2/\text{NDF}$ : 317.0/3

$5.568 \pm 0.000$   $\chi^2/\text{NDF}$ : 23564.6/9

$5.568 \pm 0.000$   $\chi^2/\text{NDF}$ : 8770.4/5

# dit\_sam6\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.135+/-0.017  $\chi^2/\text{NDF}$ : 243.0/3

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

Right Out: -0.227+/-0.000  $\chi^2/\text{NDF}$ : 834.4/5

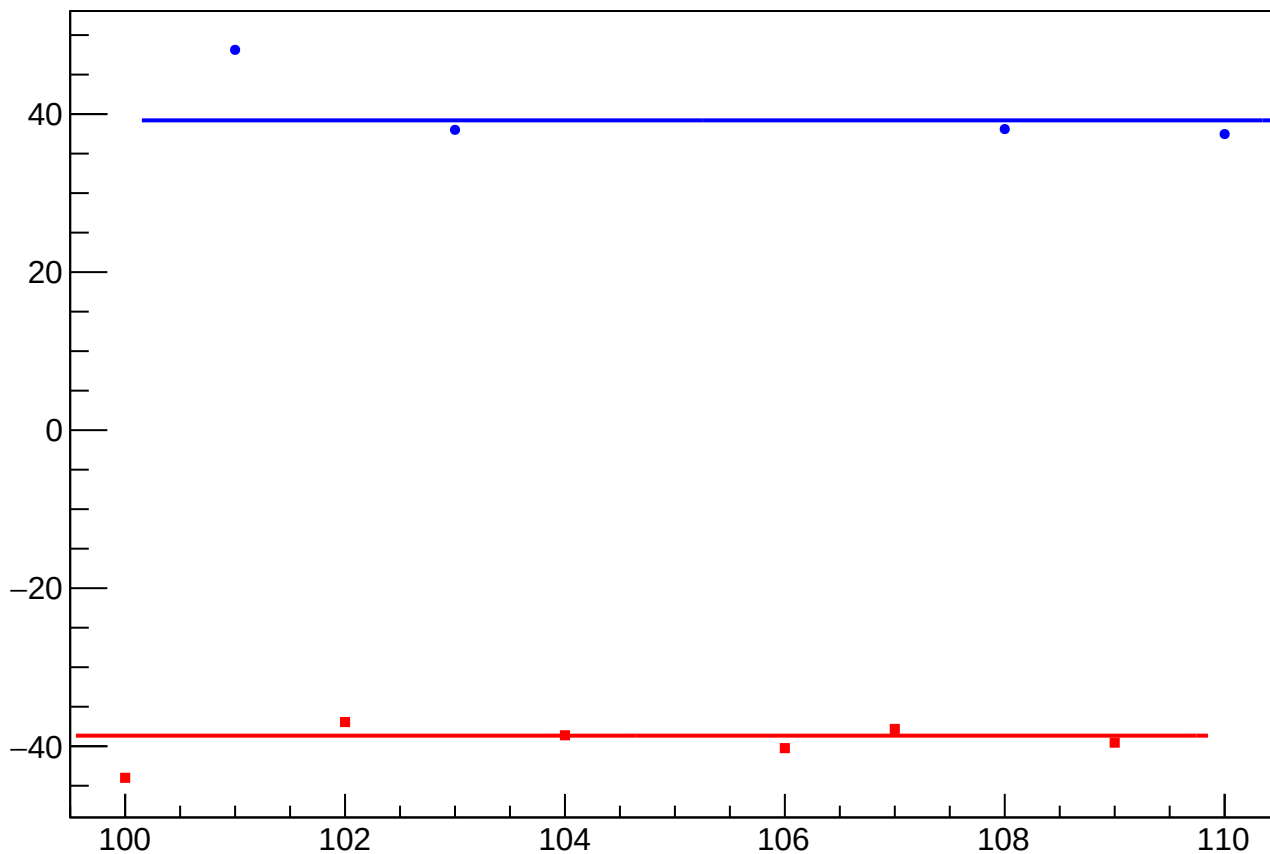
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.135+/-0.017  $\chi^2/\text{NDF}$ : 243.0/3

-0.227+/-0.000  $\chi^2/\text{NDF}$ : 1534.7/9

-0.227+/-0.000  $\chi^2/\text{NDF}$ : 834.4/5

# dit\_sam6\_4aY\_slope vs Slug, Sign Corrected



Right In: 39.209+/-0.105  $\chi^2$ /NDF: 1228.6/3

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

Right Out: -38.663+/-0.069  $\chi^2$ /NDF: 398.9/5

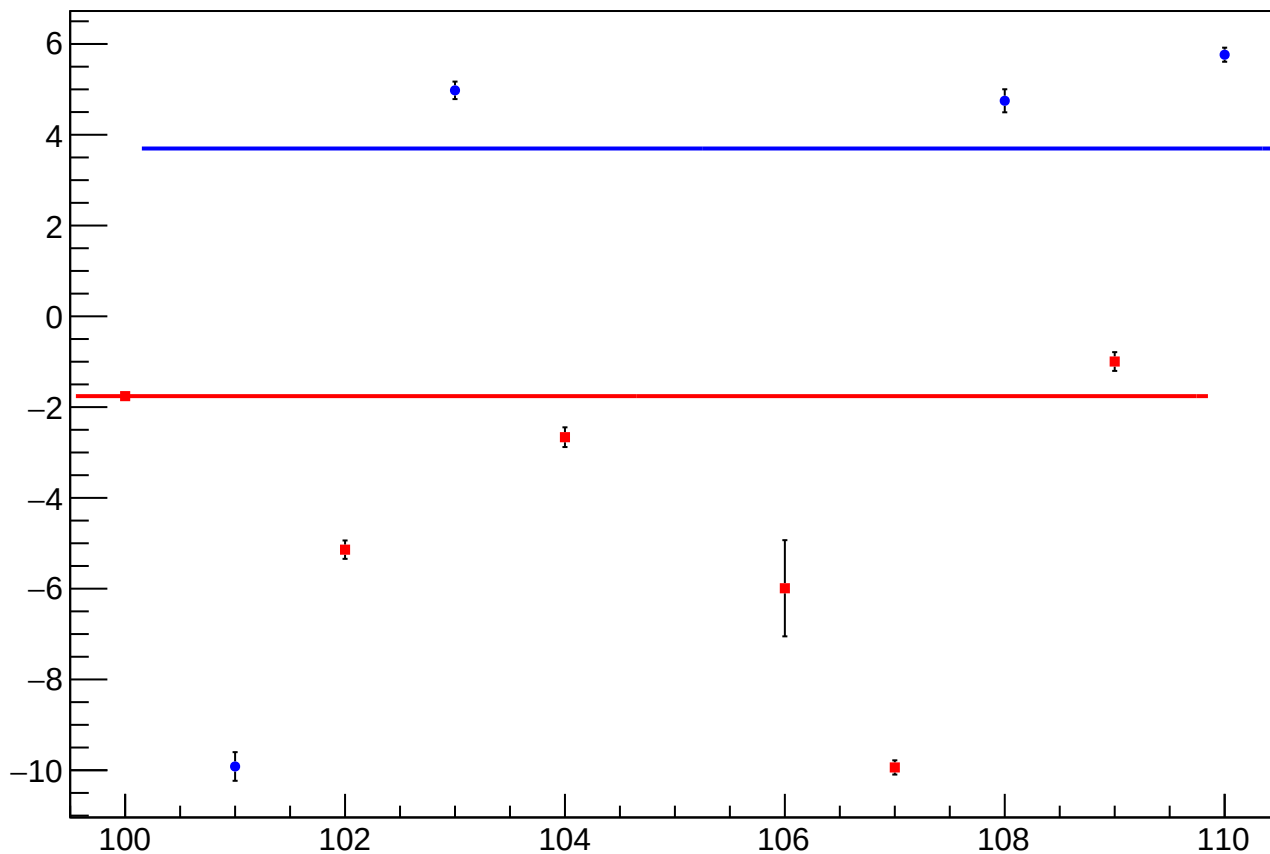
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

39.209+/-0.105  $\chi^2$ /NDF: 1228.6/3

-15.024+/-0.058  $\chi^2$ /NDF: 385043.8/9

-38.663+/-0.069  $\chi^2$ /NDF: 398.9/5

# dit\_sam6\_4eY\_slope vs Slug, Sign Corrected



Right In:  $3.697 \pm 0.103$   $\chi^2/\text{NDF}$ : 2099.0/3

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

Right Out:  $-1.758 \pm 0.000$   $\chi^2/\text{NDF}$ : 3039.2/5

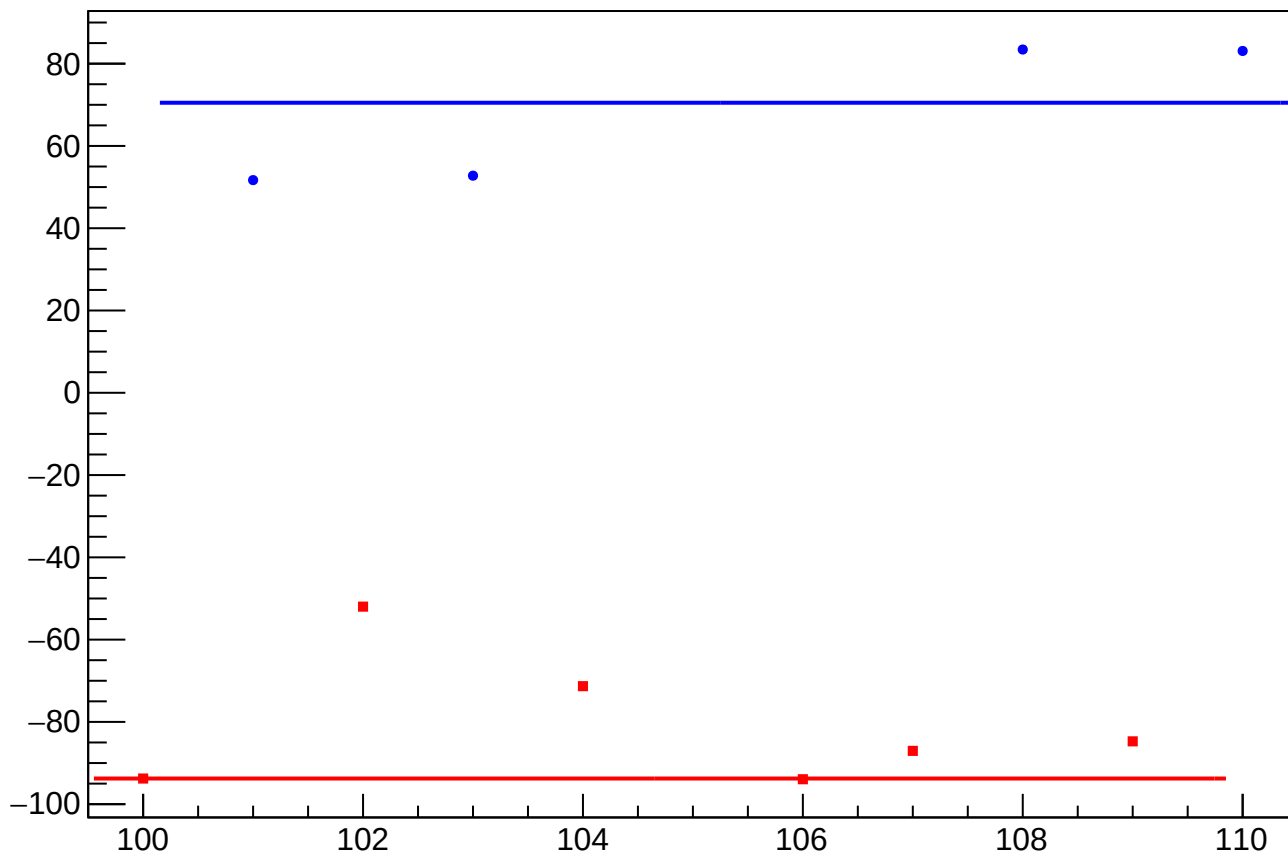
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$3.697 \pm 0.103$   $\chi^2/\text{NDF}$ : 2099.0/3

$-1.758 \pm 0.000$   $\chi^2/\text{NDF}$ : 7936.2/9

$-1.758 \pm 0.000$   $\chi^2/\text{NDF}$ : 3039.2/5

# dit\_sam7\_4aX\_slope vs Slug, Sign Corrected



Right In: 70.502 $\pm$ 0.095  $\chi^2$ /NDF: 25323.8/3

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

Right Out: -93.762 $\pm$ 0.000  $\chi^2$ /NDF: 26397.1/5

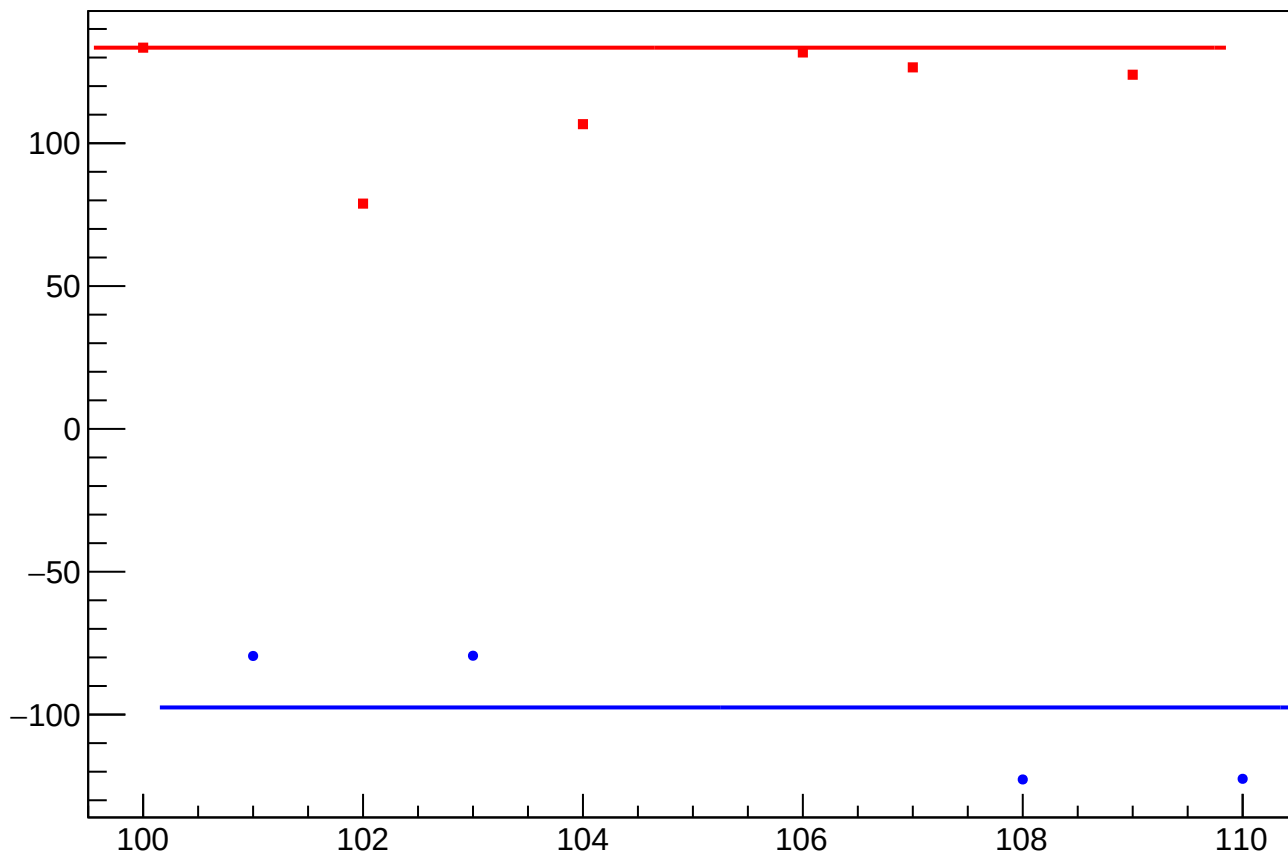
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

70.502 $\pm$ 0.095  $\chi^2$ /NDF: 25323.8/3

-93.762 $\pm$ 0.000  $\chi^2$ /NDF: 3050386.7/9

-93.762 $\pm$ 0.000  $\chi^2$ /NDF: 26397.1/5

# dit\_sam7\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-97.507 \pm 0.089$   $\chi^2/\text{NDF}: 56886.5/3$

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

Right Out:  $133.456 \pm 0.000$   $\chi^2/\text{NDF}: 94086.4/5$

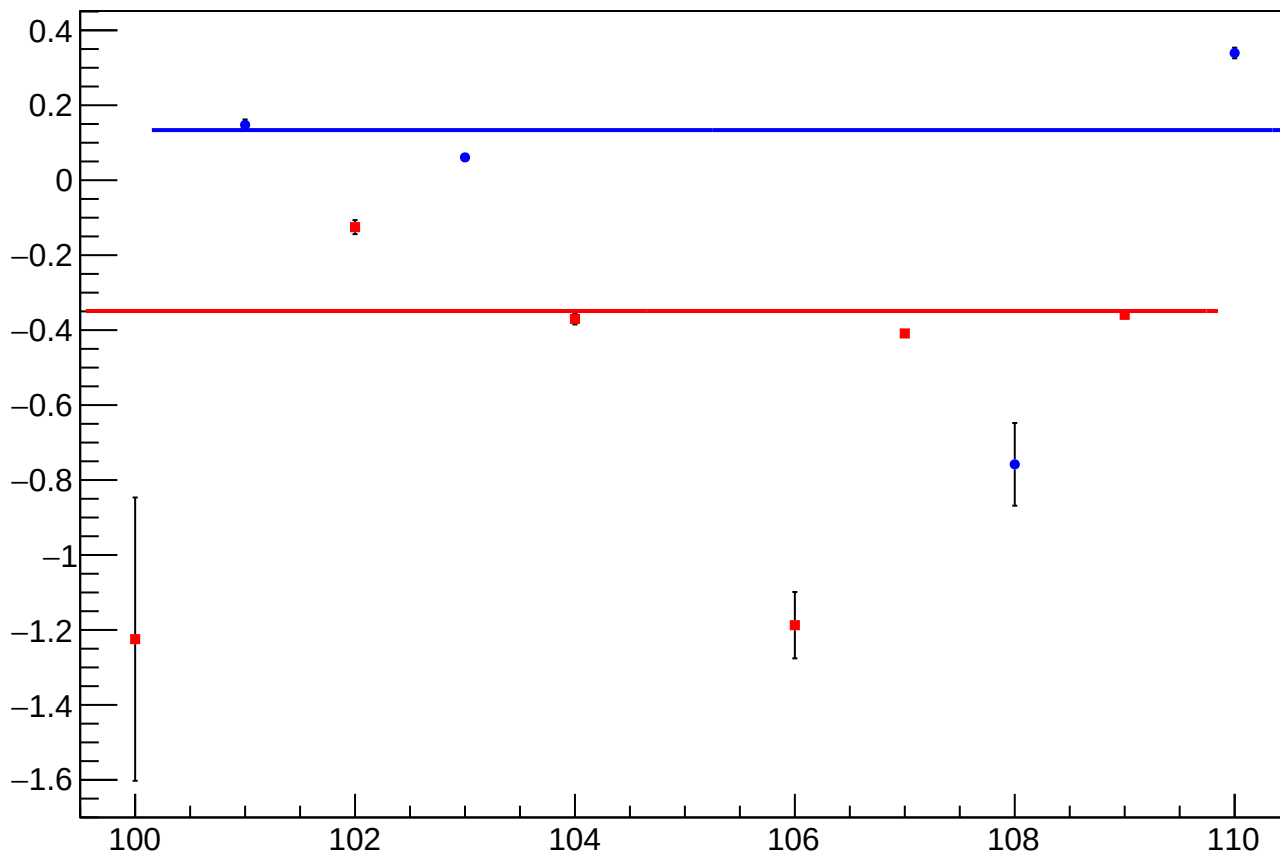
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-97.507 \pm 0.089$   $\chi^2/\text{NDF}: 56886.5/3$

$133.456 \pm 0.000$   $\chi^2/\text{NDF}: 6863343.3/9$

$133.456 \pm 0.000$   $\chi^2/\text{NDF}: 94086.4/5$

# dit\_sam7\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.134 $\pm$ 0.006  $\chi^2$ /NDF: 349.4/3

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

Right Out: -0.349 $\pm$ 0.007  $\chi^2$ /NDF: 262.3/5

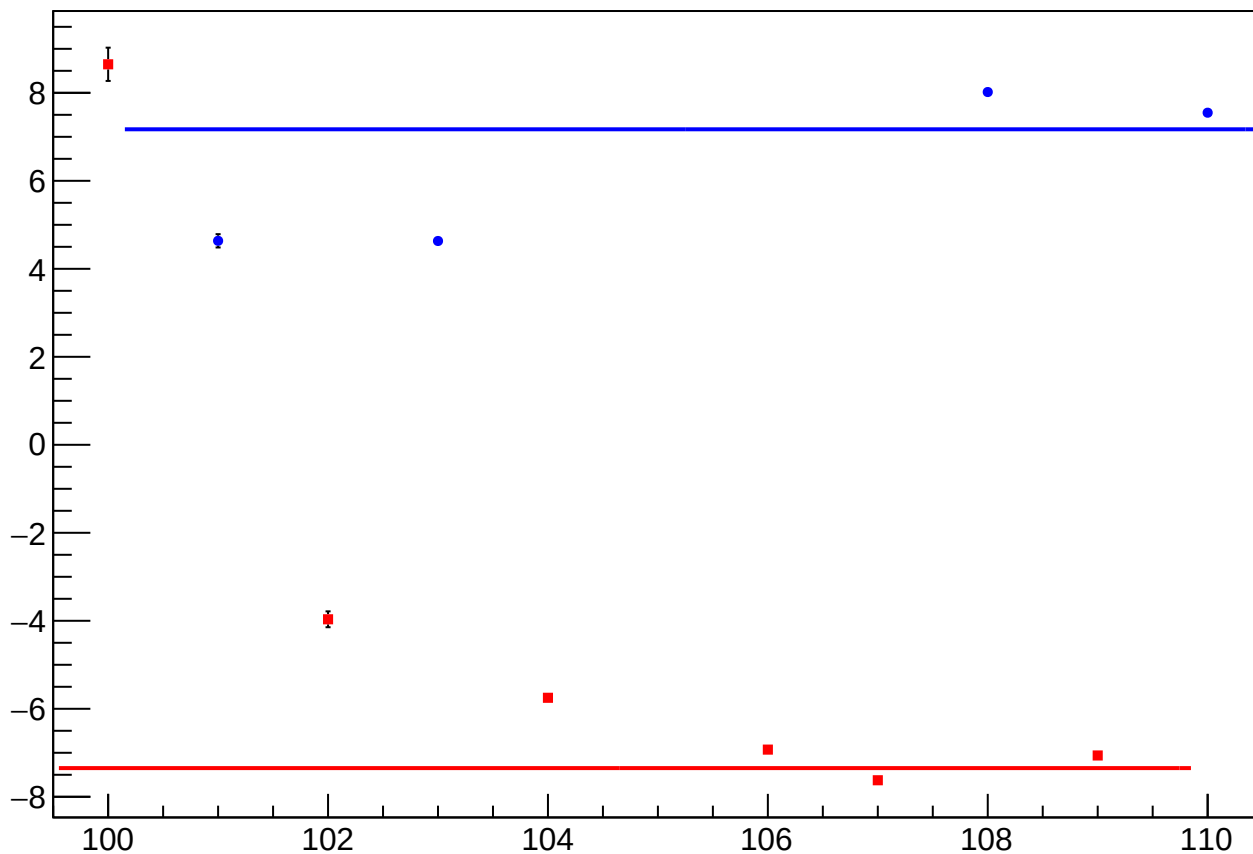
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.134 $\pm$ 0.006  $\chi^2$ /NDF: 349.4/3

-0.093 $\pm$ 0.005  $\chi^2$ /NDF: 3199.4/9

-0.349 $\pm$ 0.007  $\chi^2$ /NDF: 262.3/5

# dit\_sam7\_4aY\_slope vs Slug, Sign Corrected



Right In: 7.171+/-0.014  $\chi^2/\text{NDF}$ : 5624.2/3

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

Right Out: -7.348+/-0.009  $\chi^2/\text{NDF}$ : 3351.2/5

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

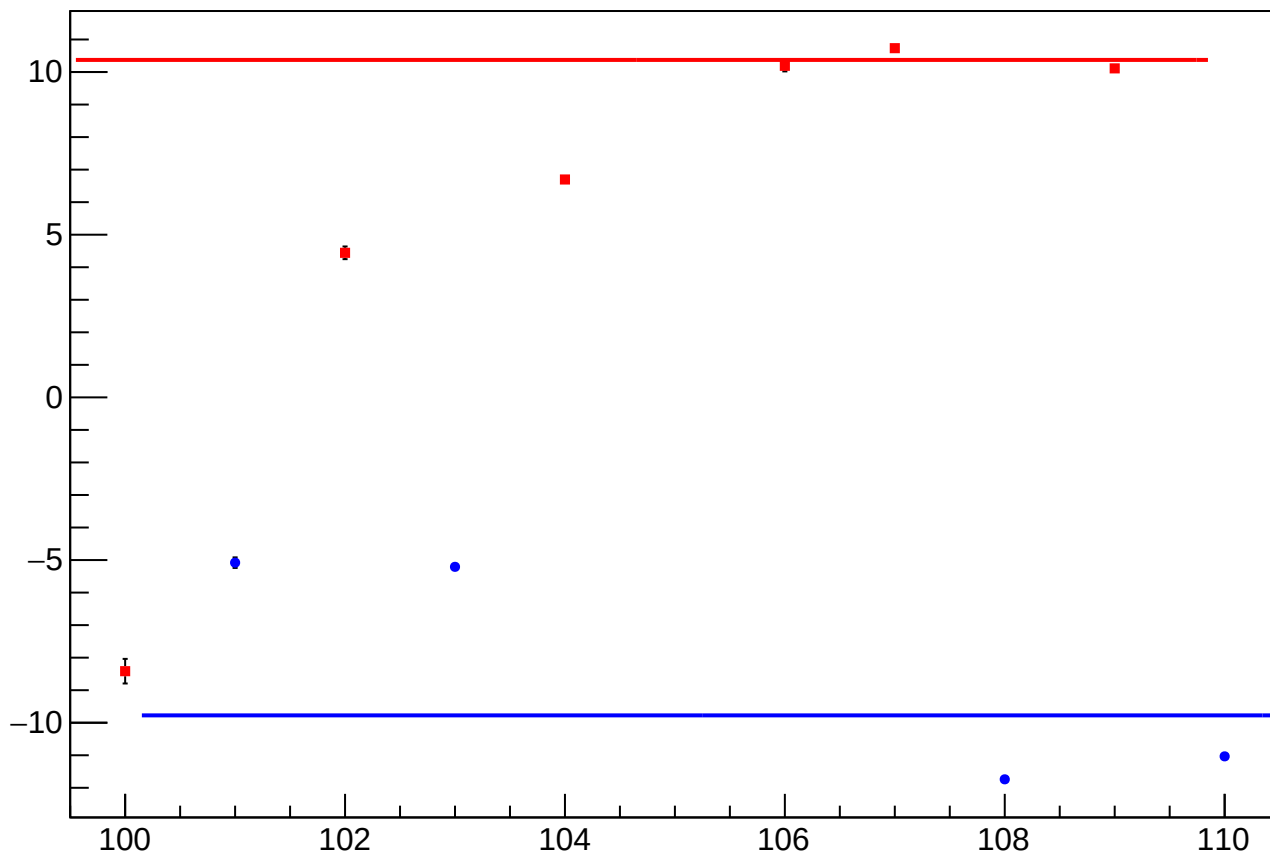
7.171+/-0.014  $\chi^2/\text{NDF}$ : 5624.2/3

-2.960+/-0.008  $\chi^2/\text{NDF}$ : 736293.1/9

-7.348+/-0.009  $\chi^2/\text{NDF}$ : 3351.2/5



# dit\_sam7\_4eY\_slope vs Slug, Sign Corrected



Right In: -9.774+/-0.020  $\chi^2/\text{NDF}$ : 15986.0/3

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

Right Out: 10.372+/-0.011  $\chi^2/\text{NDF}$ : 5315.1/5

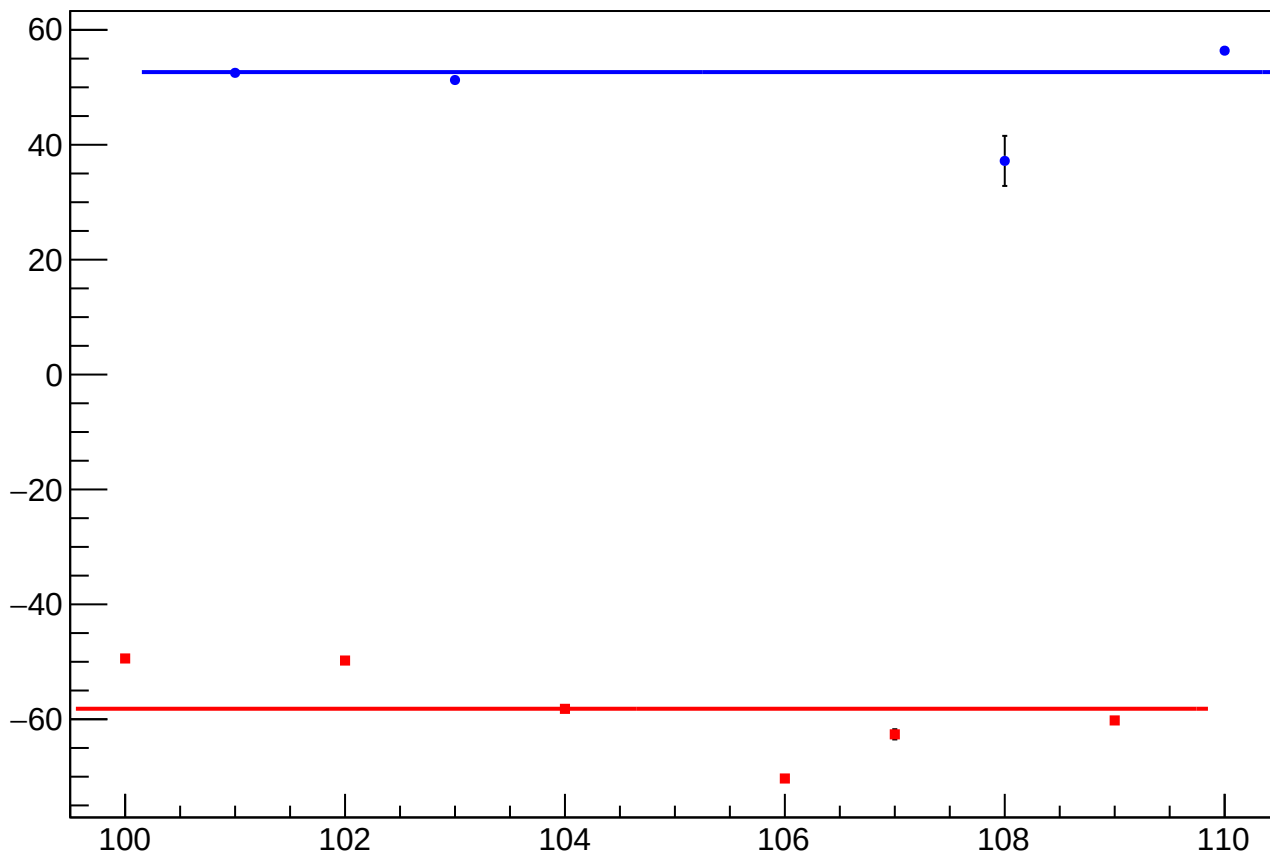
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9.774+/-0.020  $\chi^2/\text{NDF}$ : 15986.0/3

5.634+/-0.010  $\chi^2/\text{NDF}$ : 762210.0/9

10.372+/-0.011  $\chi^2/\text{NDF}$ : 5315.1/5

# dit\_sam8\_4aX\_slope vs Slug, Sign Corrected



Right In: 52.653+/-0.259  $\chi^2/\text{NDF}$ : 81.3/3

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

Right Out: -58.173+/-0.198  $\chi^2/\text{NDF}$ : 1742.2/5

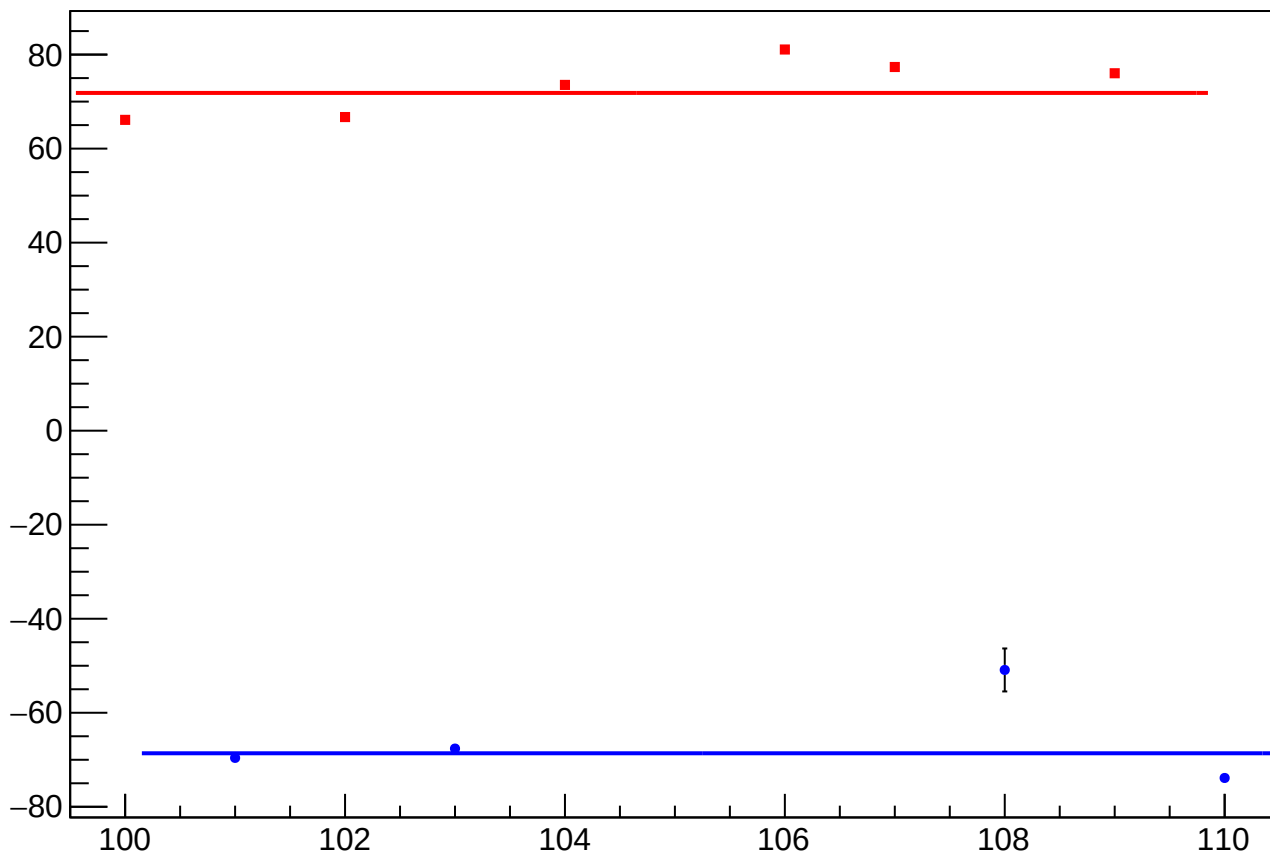
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

52.653+/-0.259  $\chi^2/\text{NDF}$ : 81.3/3

-17.432+/-0.157  $\chi^2/\text{NDF}$ : 117246.6/9

-58.173+/-0.198  $\chi^2/\text{NDF}$ : 1742.2/5

# dit\_sam8\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-68.618 \pm 0.202$   $\chi^2/\text{NDF}$ : 112.1/3

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

Right Out:  $71.844 \pm 0.167$   $\chi^2/\text{NDF}$ : 1250.5/5

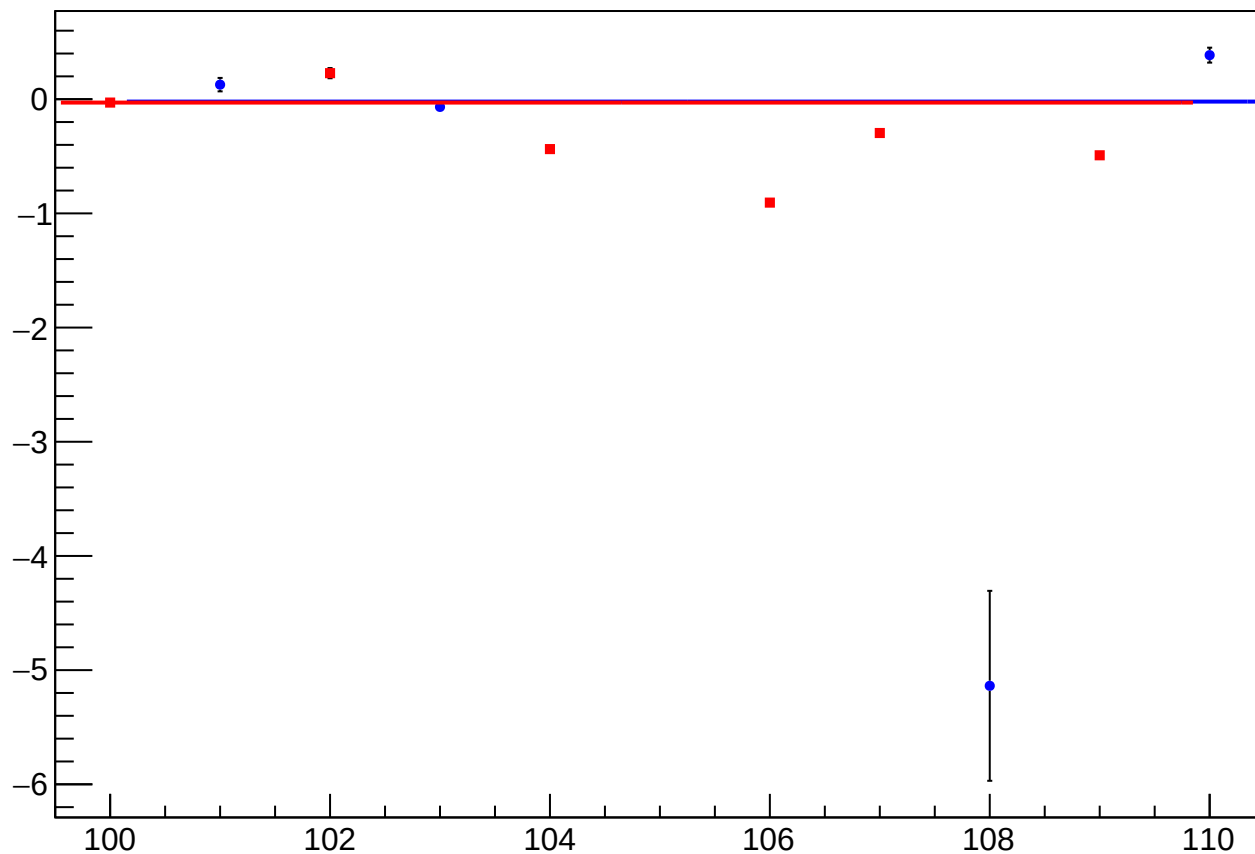
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-68.618 \pm 0.202$   $\chi^2/\text{NDF}$ : 112.1/3

$14.574 \pm 0.129$   $\chi^2/\text{NDF}$ : 289118.8/9

$71.844 \pm 0.167$   $\chi^2/\text{NDF}$ : 1250.5/5

dit\_sam8\_11X12X\_slope vs Slug, Sign Corrected



Right In: -0.021+/-0.017  $\chi^2/\text{NDF}$ : 88.8/3

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

Right Out: -0.030+/-0.000  $\chi^2/\text{NDF}$ : 12239.0/5

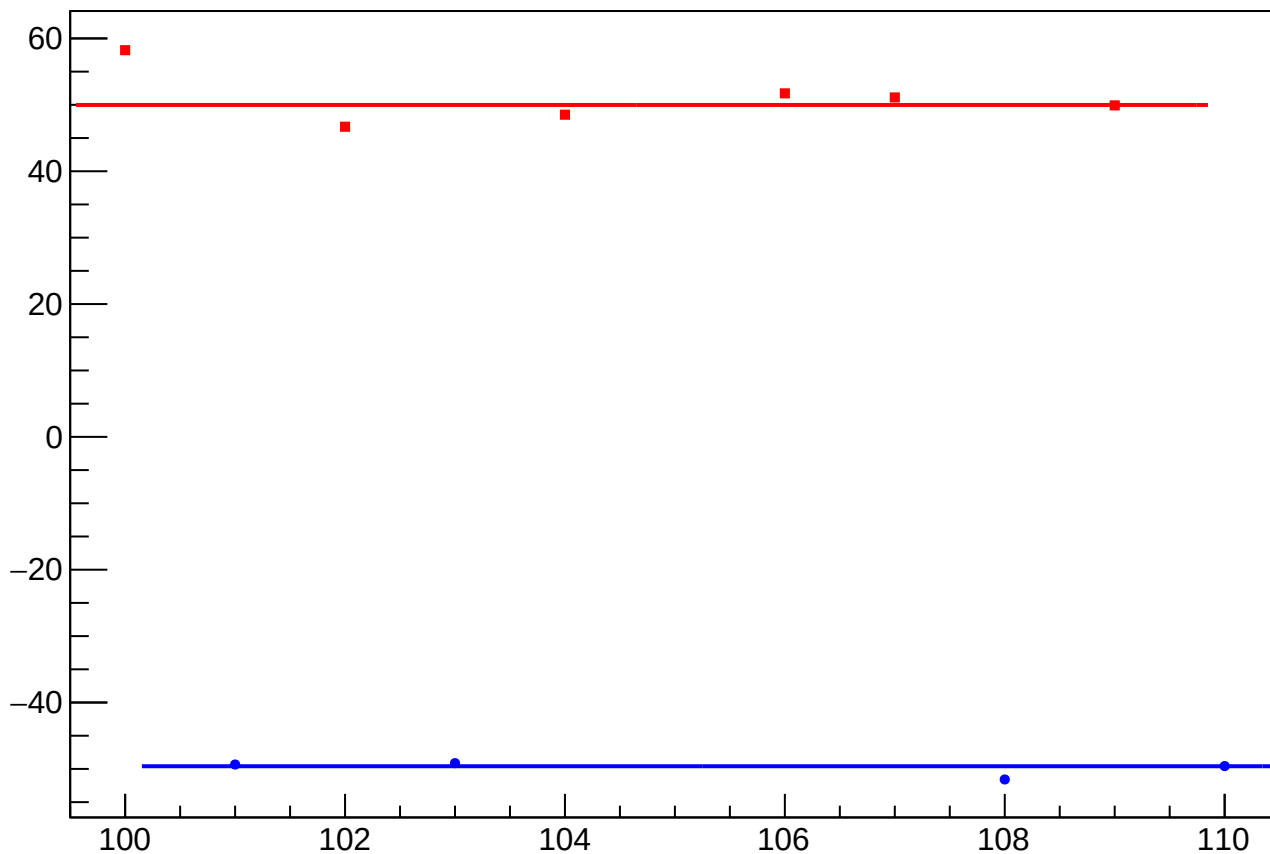
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.021+/-0.017  $\chi^2/\text{NDF}$ : 88.8/3

-0.030+/-0.000  $\chi^2/\text{NDF}$ : 12328.0/9

-0.030+/-0.000  $\chi^2/\text{NDF}$ : 12239.0/5

# dit\_sam8\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-49.595 \pm 0.035$   $\chi^2/\text{NDF}$ : 113.8/3

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

Right Out:  $49.981 \pm 0.049$   $\chi^2/\text{NDF}$ : 803.6/5

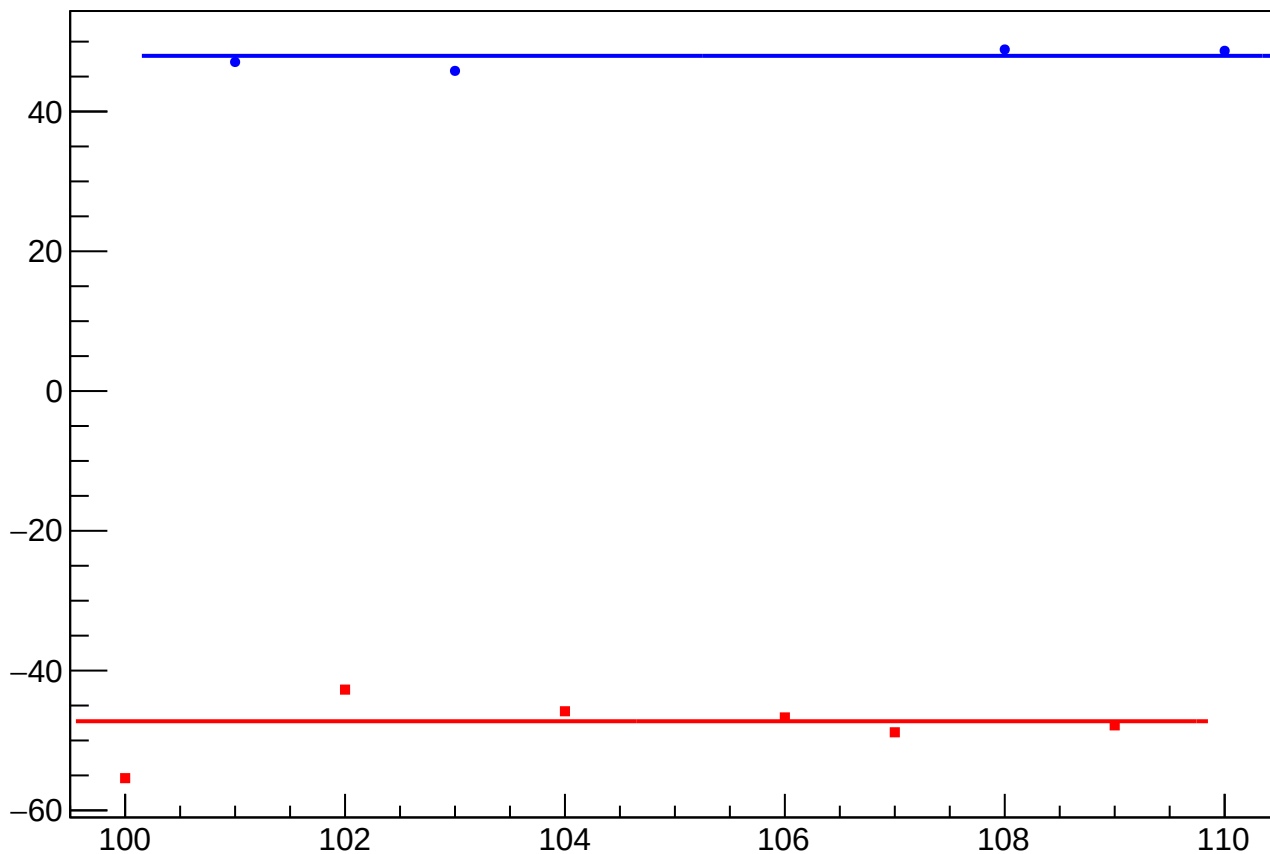
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-49.595 \pm 0.035$   $\chi^2/\text{NDF}$ : 113.8/3

$-15.547 \pm 0.029$   $\chi^2/\text{NDF}$ : 2694601.1/9

$49.981 \pm 0.049$   $\chi^2/\text{NDF}$ : 803.6/5

# dit\_sam8\_4eY\_slope vs Slug, Sign Corrected



Right In: 47.967 $\pm$ 0.055  $\chi^2$ /NDF: 507.3/3

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

Right Out: -47.248 $\pm$ 0.045  $\chi^2$ /NDF: 1064.2/5

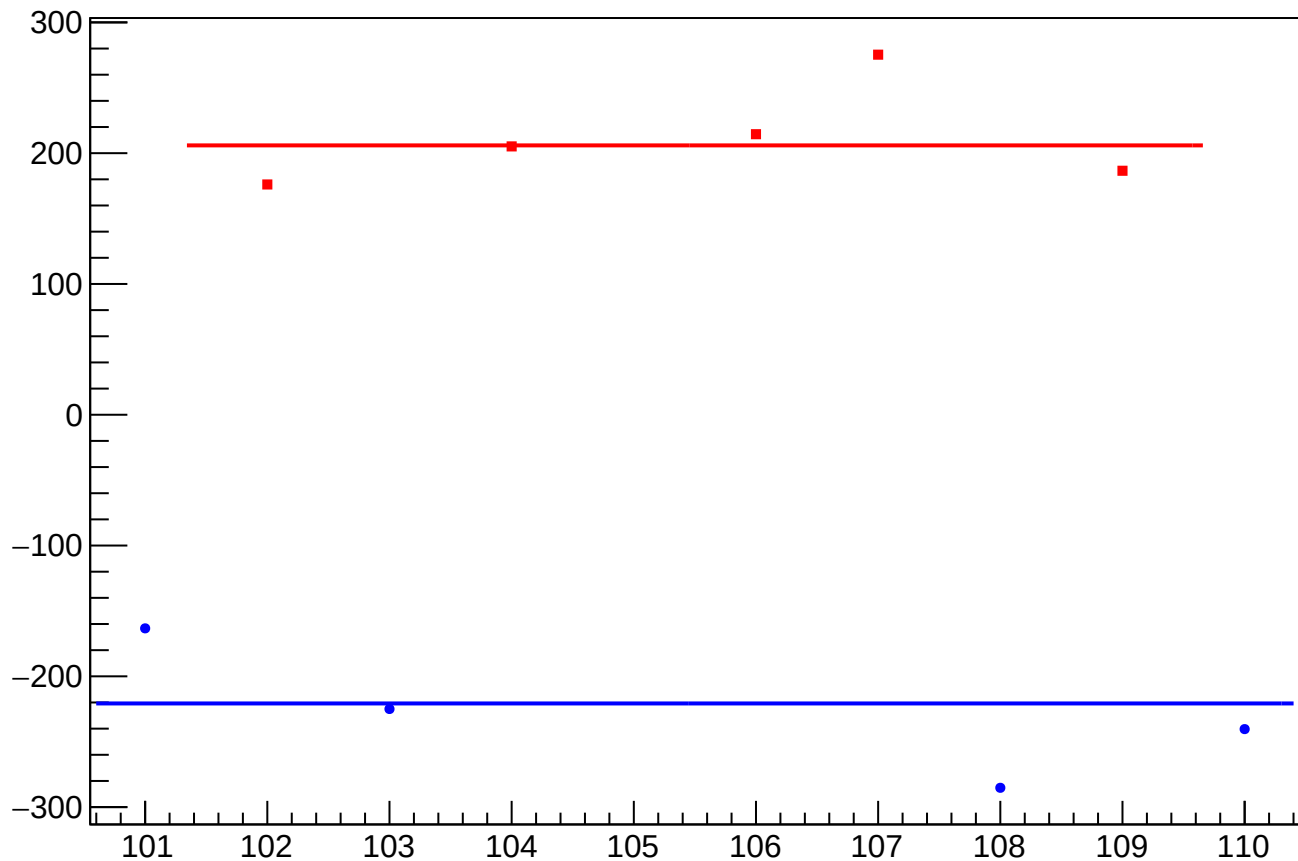
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

47.967 $\pm$ 0.055  $\chi^2$ /NDF: 507.3/3

-9.206 $\pm$ 0.034  $\chi^2$ /NDF: 1830276.0/9

-47.248 $\pm$ 0.045  $\chi^2$ /NDF: 1064.2/5

# dit\_4aX\_coil1\_mean vs Slug, Sign Corrected



Right In: -220.738+/-0.000  $\chi^2/\text{NDF}$ : 367107102403530873970115720538750976.0/3

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

Right Out: 205.955+/-0.000  $\chi^2/\text{NDF}$ : 246468509141297316981111655044743168.0/4

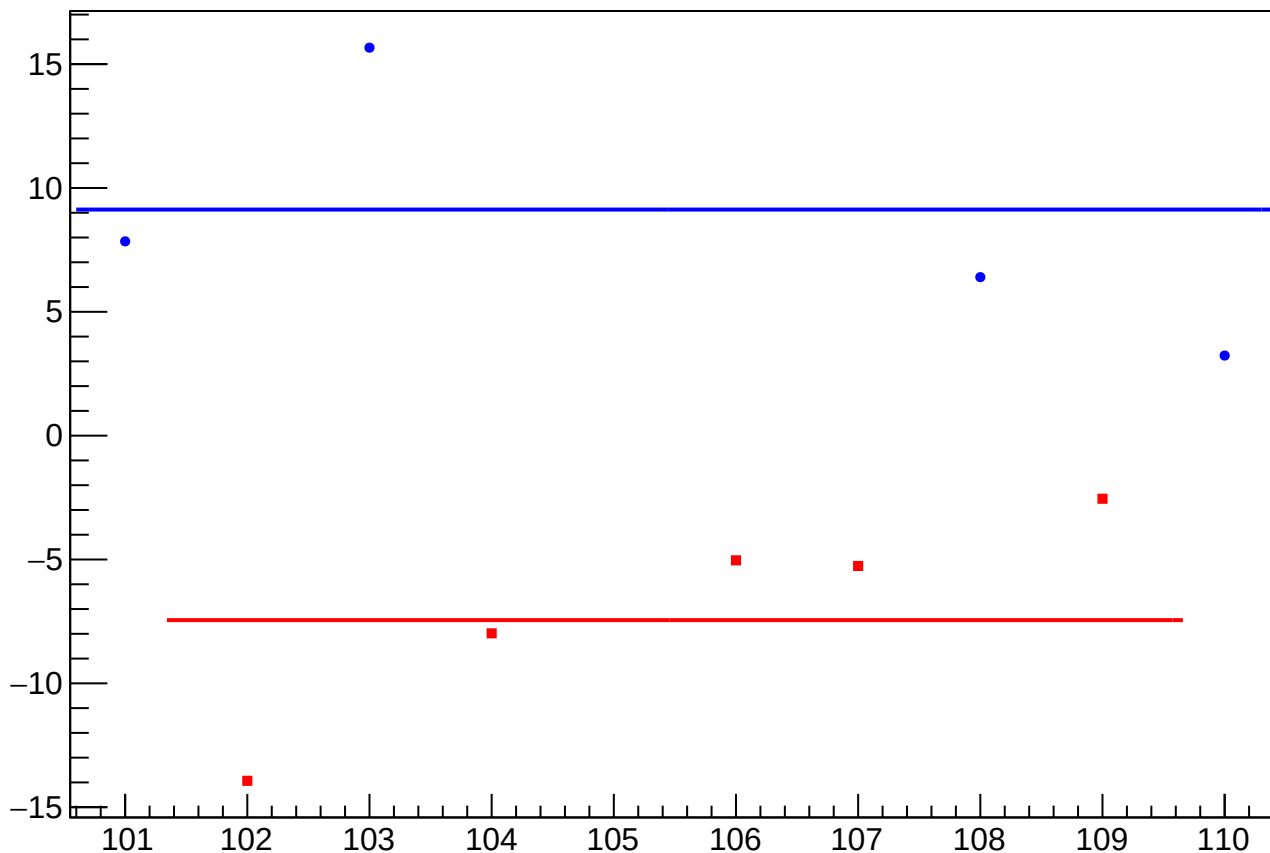
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-220.738+/-0.000  $\chi^2/\text{NDF}$ : 3671071024035308

10.983+/-0.000  $\chi^2/\text{NDF}$ : 1949840121698

205.955+/-0.000  $\chi^2/\text{NDF}$ : 2464685091412973

dit\_4aX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 9.128+/-0.000  $\chi^2/\text{NDF}$ : 4116562159854632092106968593858560.0/3

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

Right Out: -7.448+/-0.000  $\chi^2/\text{NDF}$ : 4032454818370489005759351910039552.0/4

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

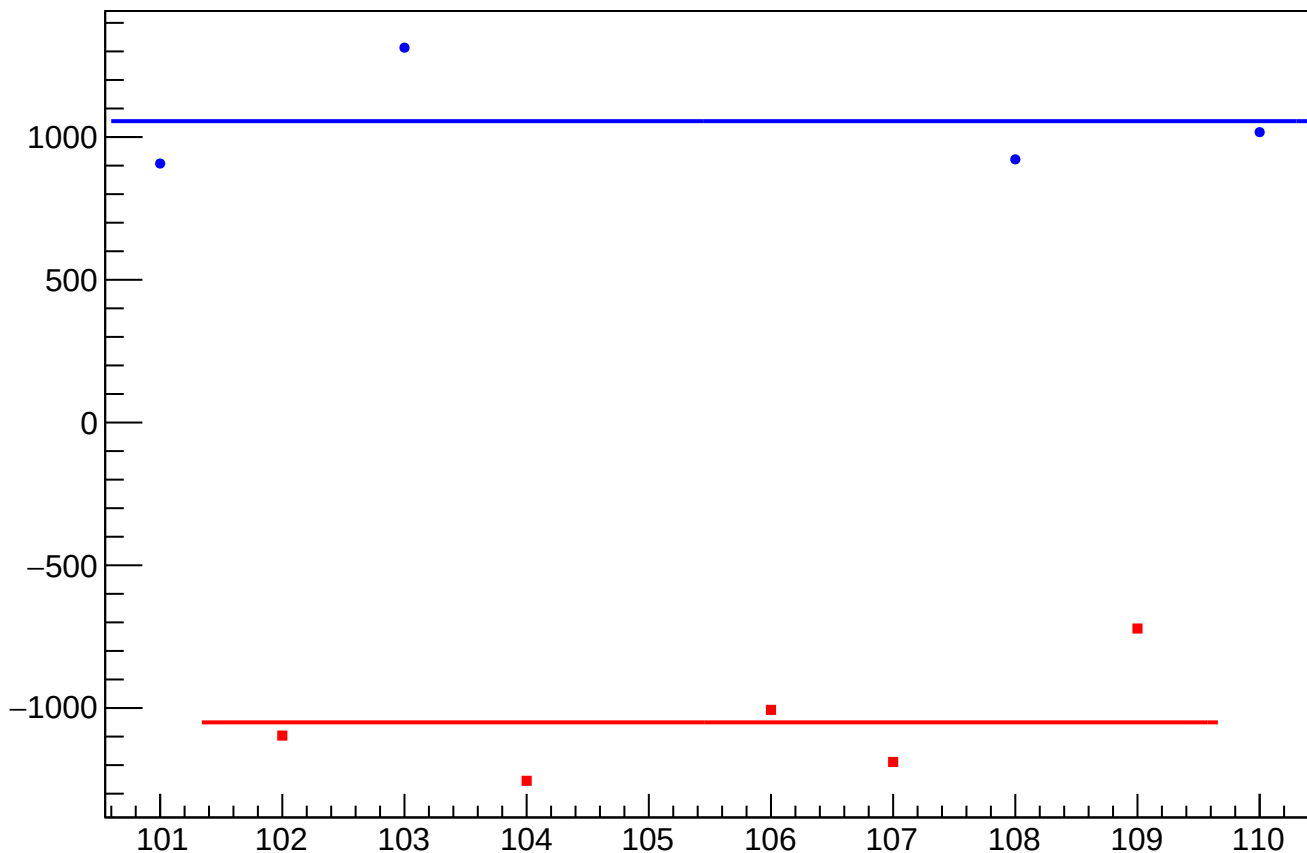
9.128+/-0.000  $\chi^2/\text{NDF}$ : 4116562159854632092

0.126+/-0.000  $\chi^2/\text{NDF}$ : 36647640661261

-7.448+/-0.000  $\chi^2/\text{NDF}$ : 403245481837048900



dit\_4aX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

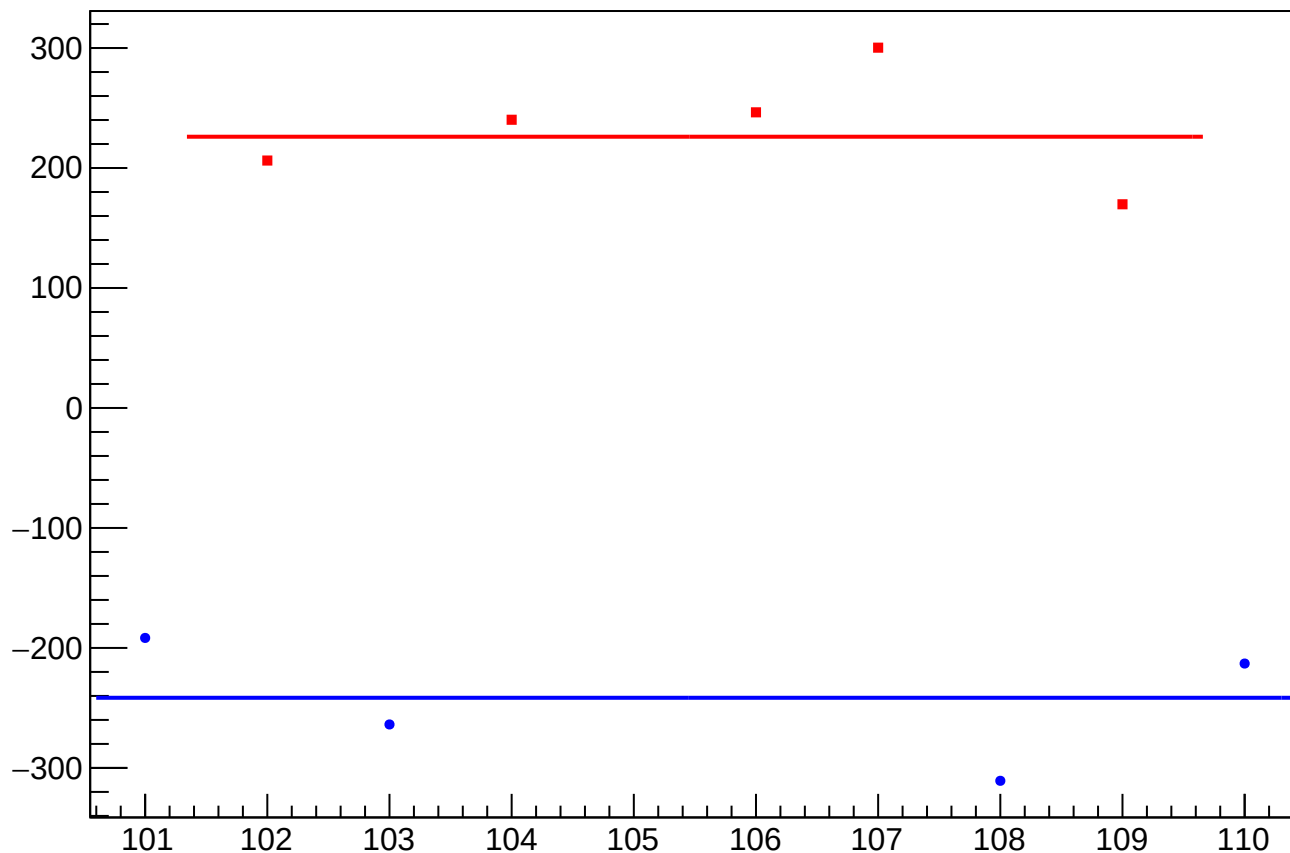
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

# dit\_4eX\_coil1\_mean vs Slug, Sign Corrected



Right In: -241.535+/-0.000  $\chi^2/\text{NDF}$ : 386416927447285199082599556136828928.0/3

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

Right Out: 226.072+/-0.000  $\chi^2/\text{NDF}$ : 405846154687791099881879635975208960.0/4

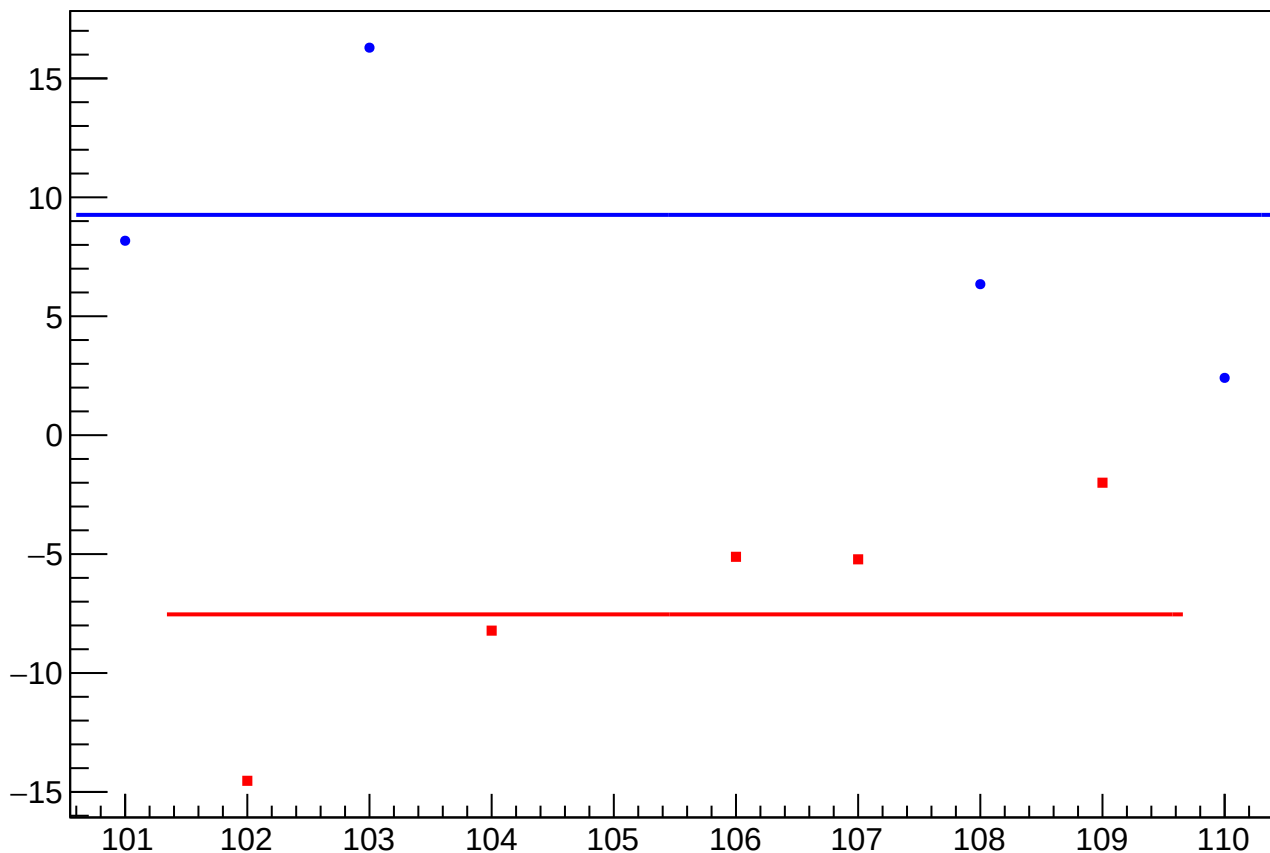
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-241.535+/-0.000  $\chi^2/\text{NDF}$ : 3864169274472851

12.405+/-0.000  $\chi^2/\text{NDF}$ : 2347238341121

226.072+/-0.000  $\chi^2/\text{NDF}$ : 40584615468779109

dit\_4eX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 9.262 $\pm$ 0.000  $\chi^2$ /NDF: 4951741963440498388605762533326848.0/3

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

Right Out: -7.534 $\pm$ 0.000  $\chi^2$ /NDF: 4800822231428593416210075780907008.0/4

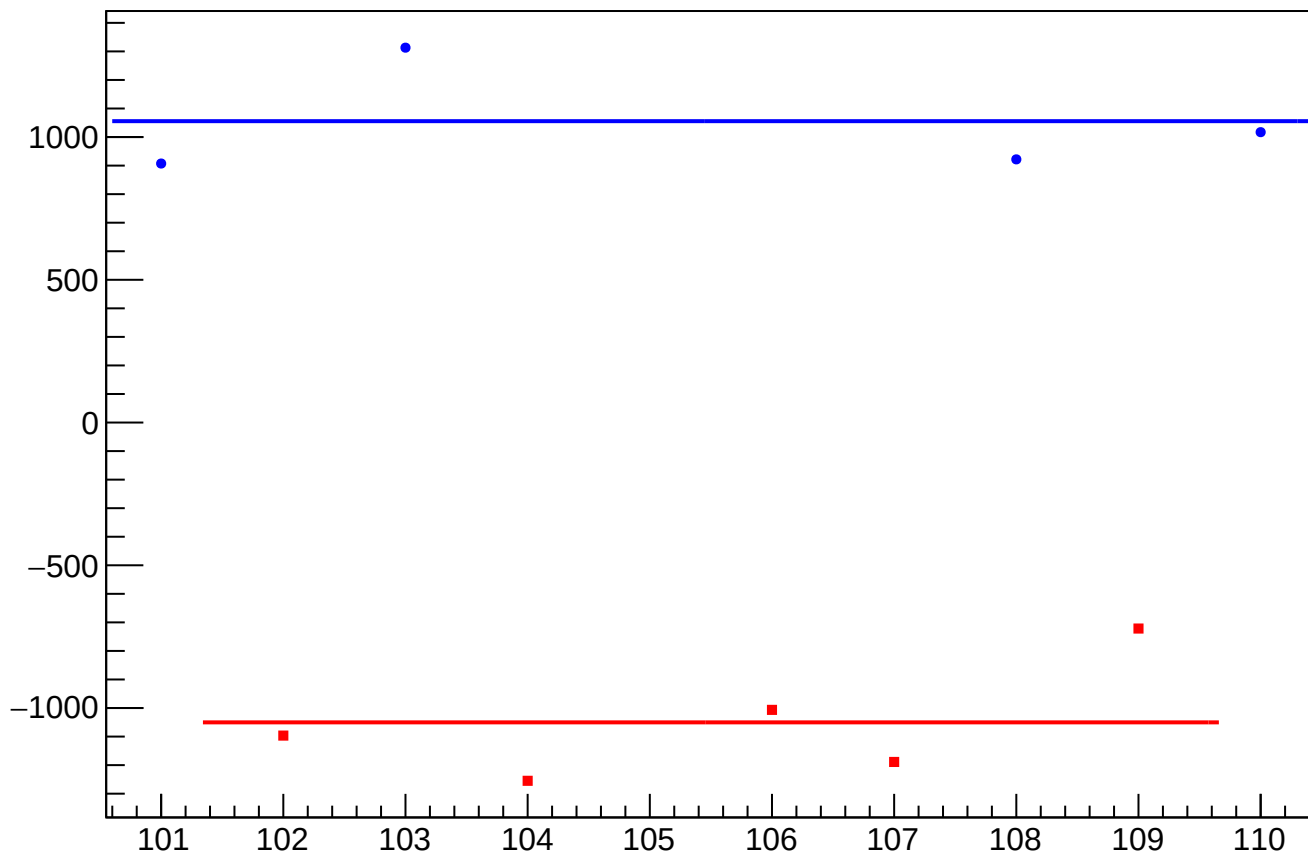
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

9.262 $\pm$ 0.000  $\chi^2$ /NDF: 4951741963440498388605762533326848.0/3

0.141 $\pm$ 0.000  $\chi^2$ /NDF: 39015640623805

-7.534 $\pm$ 0.000  $\chi^2$ /NDF: 4800822231428593416210075780907008.0/4

dit\_4eX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

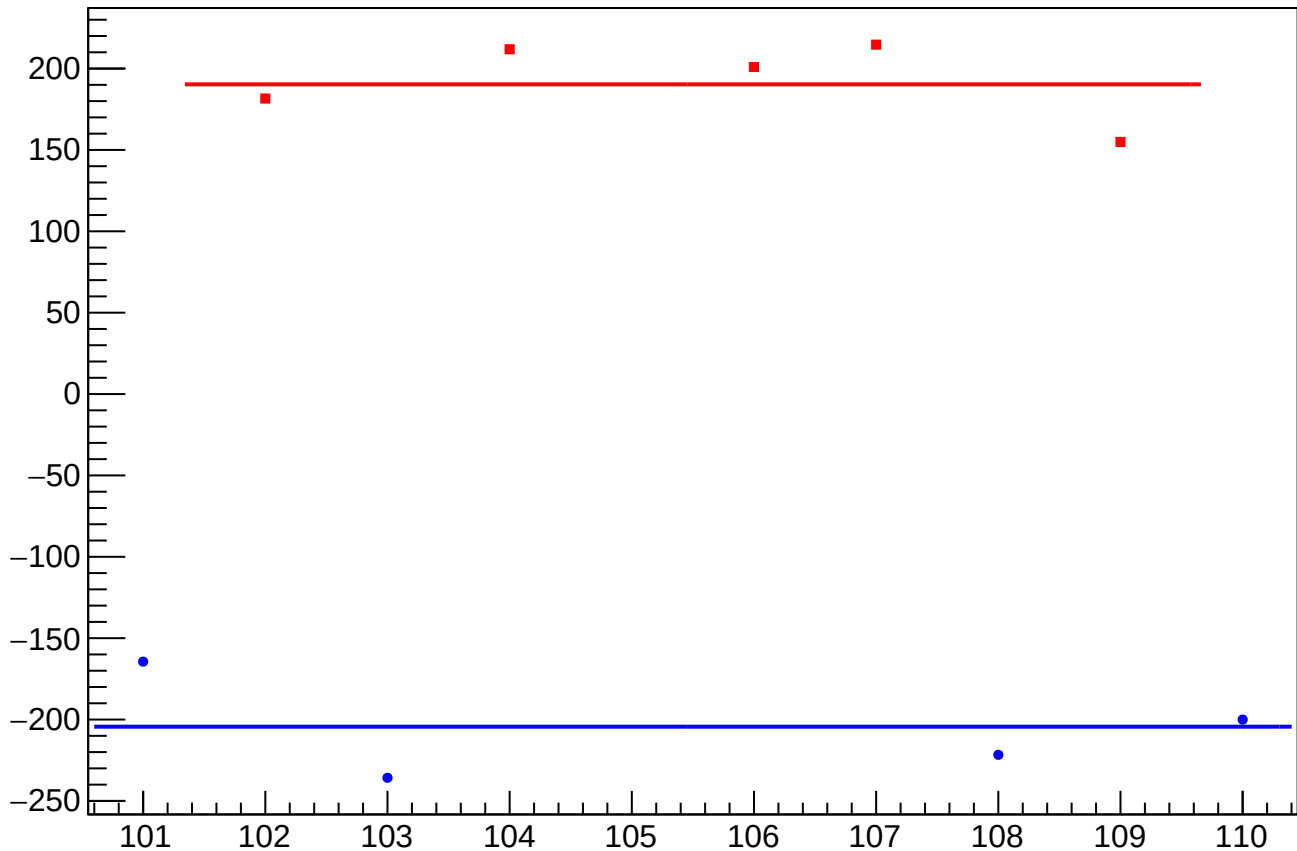
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

dit\_11X12X\_coil1\_mean vs Slug, Sign Corrected



Right In: -204.376+/-0.000  $\chi^2/\text{NDF}$ : 164533441441638879725080219347845120.0/3

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

Right Out: 190.289+/-0.000  $\chi^2/\text{NDF}$ : 116858065223605483779096705469775872.0/4

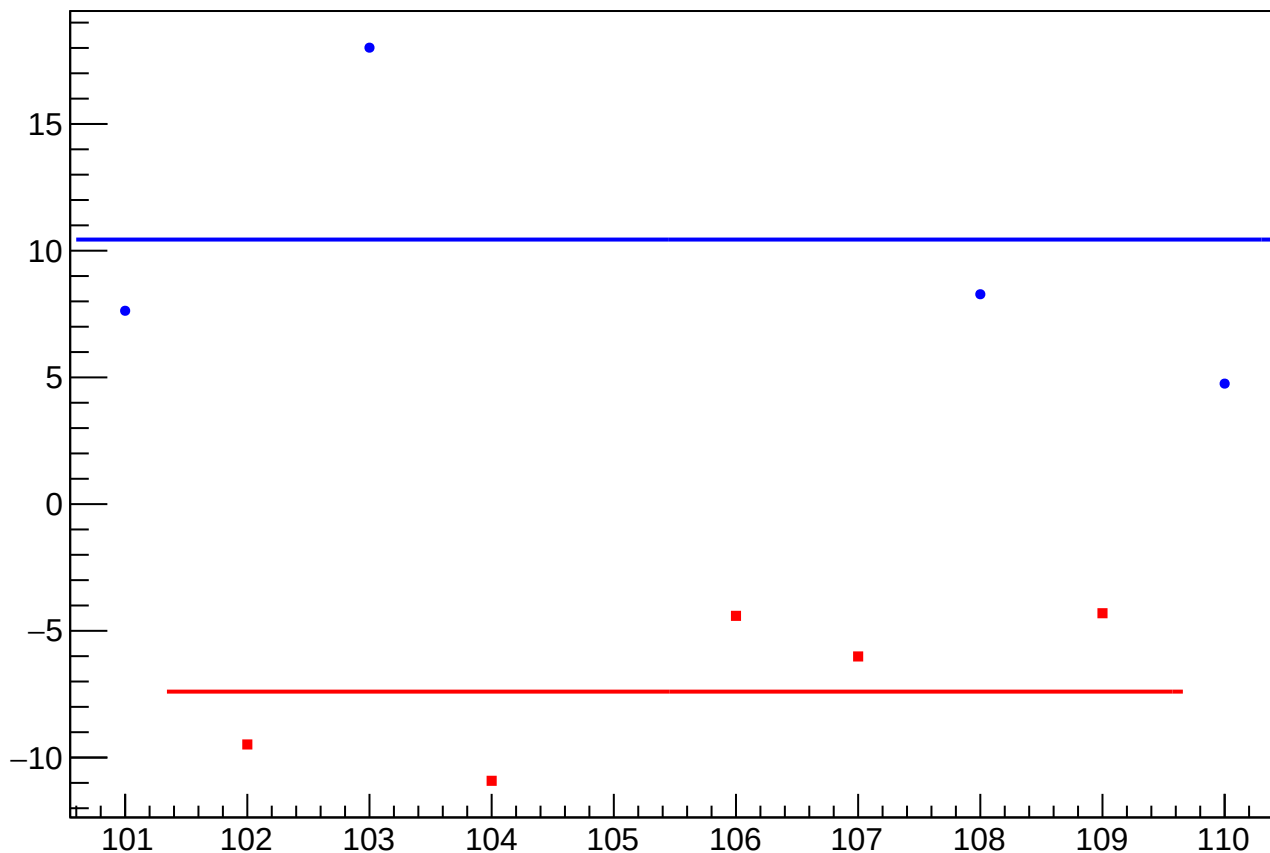
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-204.376+/-0.000  $\chi^2/\text{NDF}$ : 1645334414416388

9.952+/-0.000  $\chi^2/\text{NDF}$ : 16437576736437

190.289+/-0.000  $\chi^2/\text{NDF}$ : 11685806522360548

dit\_11X12X\_coil1\_err\_mean vs Slug, Sign Corrected



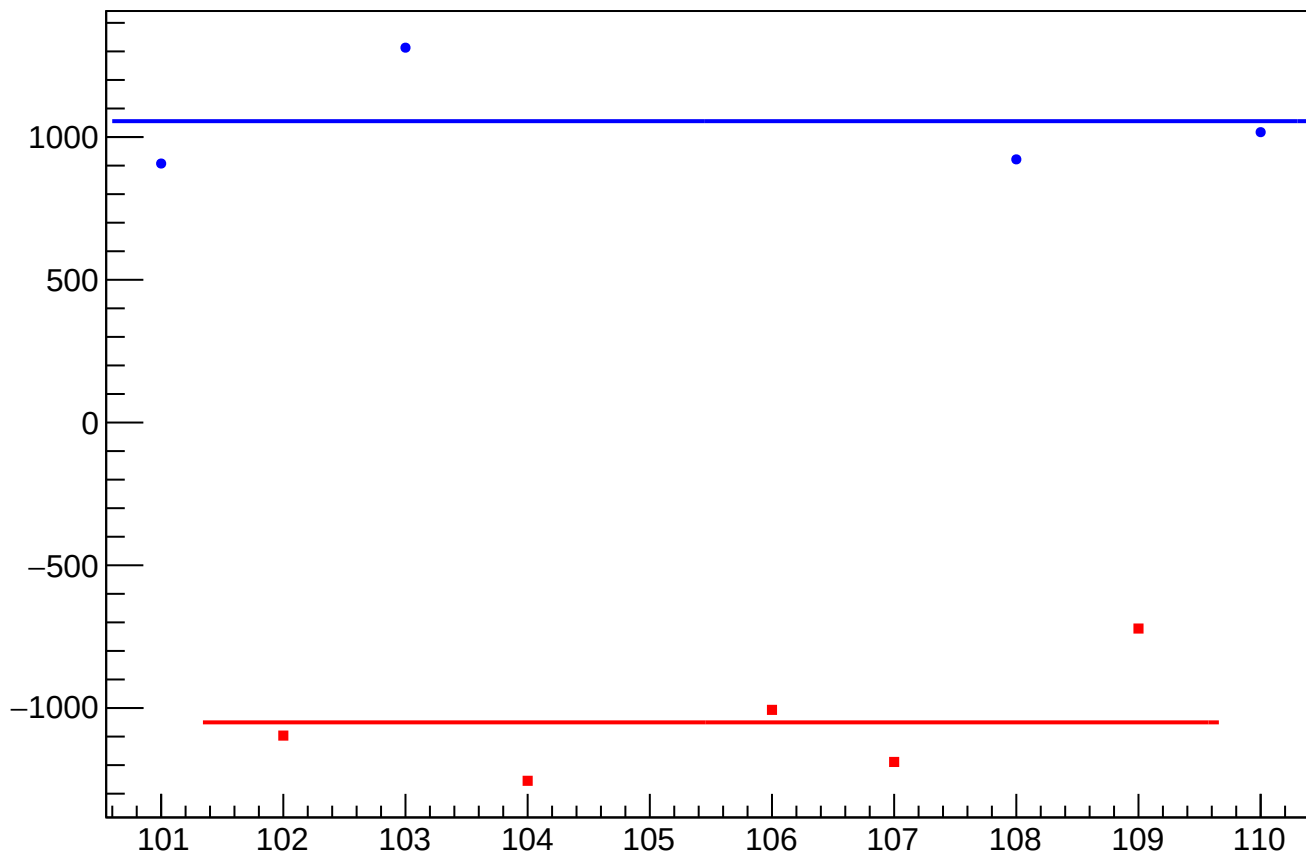
Right In: 10.439+/-0.000  $\chi^2/\text{NDF}$ : 5156197660986873740529654527164416.0/3

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

Right Out: -7.399+/-0.000  $\chi^2/\text{NDF}$ : 1718068576372618077306546720604160.0/4

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

dit\_11X12X\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

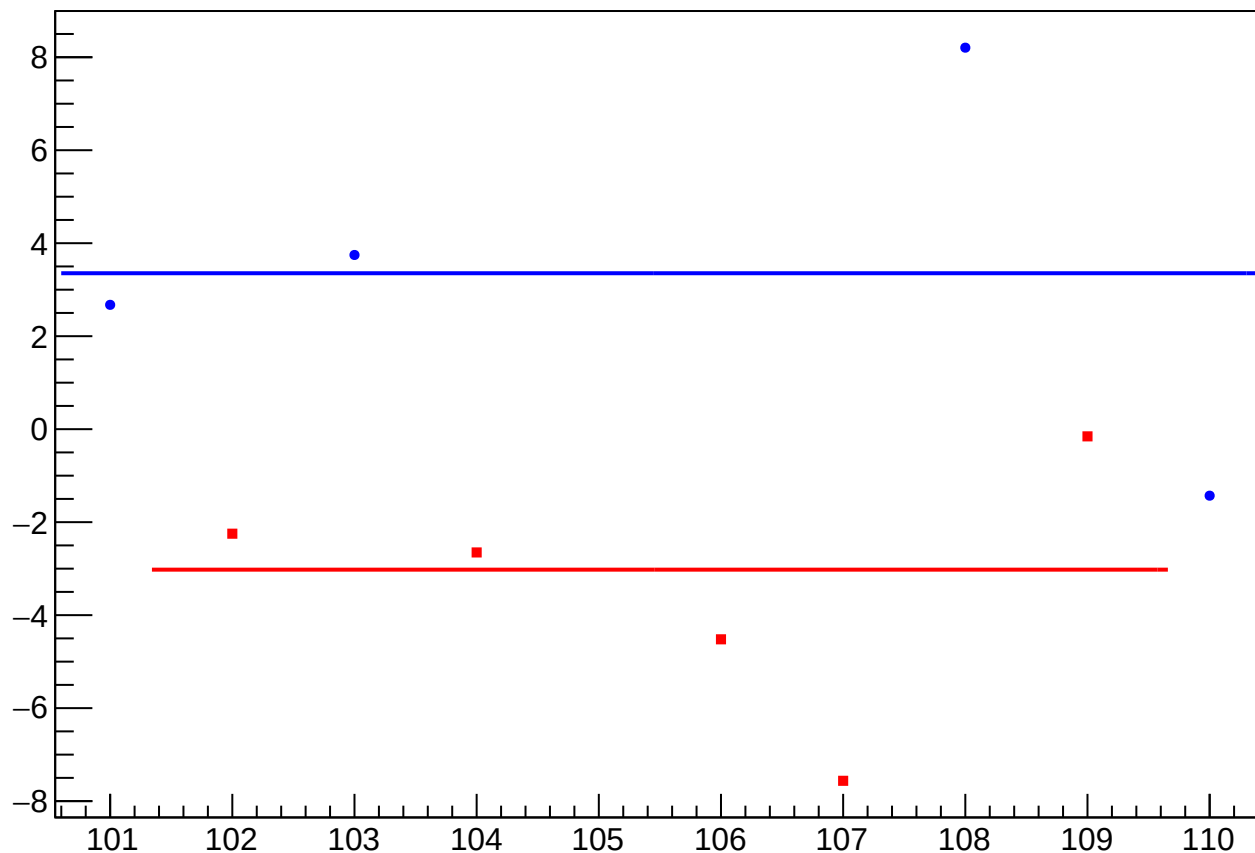
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

# dit\_4aY\_coil1\_mean vs Slug, Sign Corrected



Right In: 3.354+/-0.000  $\chi^2/\text{NDF}$ : 1731913380528610603481176832212992.0/3

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

Right Out: -3.021+/-0.000  $\chi^2/\text{NDF}$ : 1272902098715750762226023850311680.0/4

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

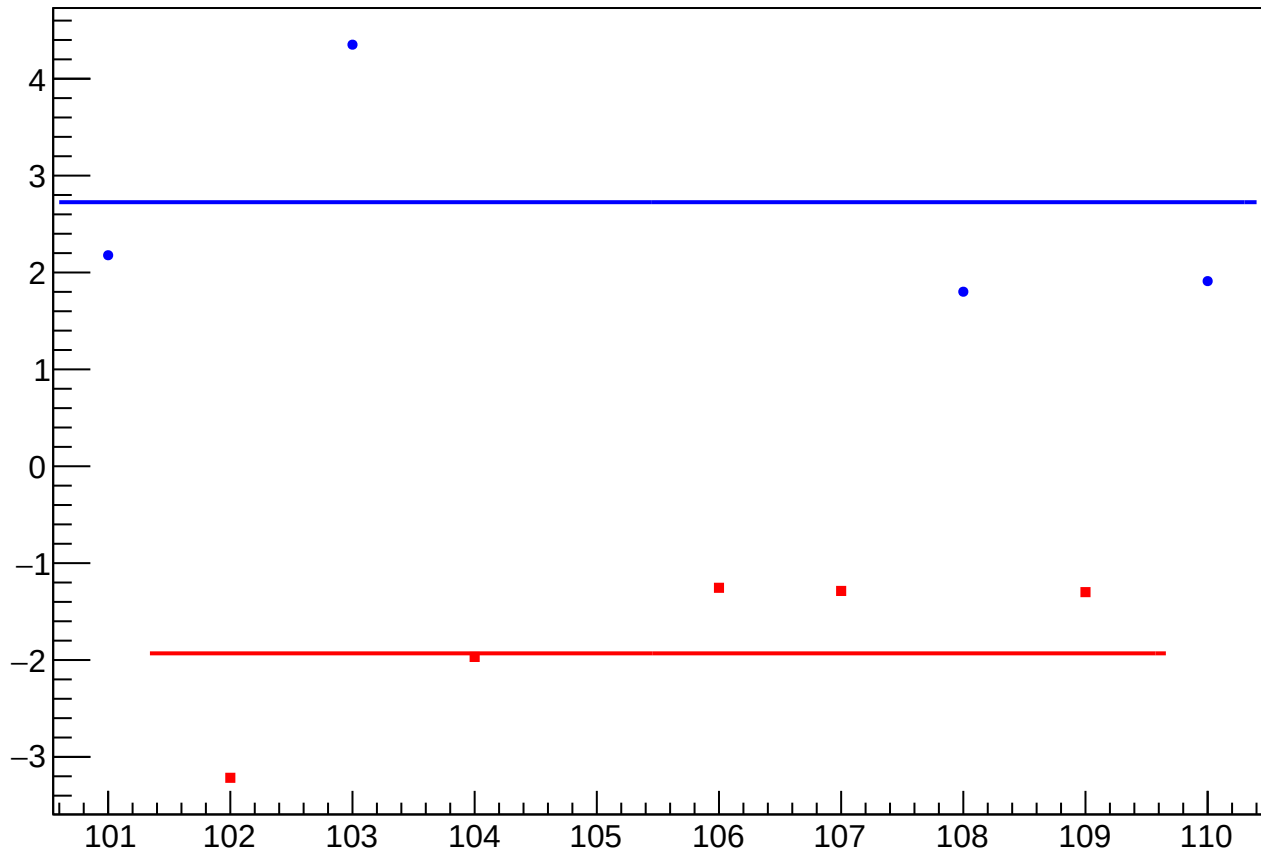
3.354+/-0.000  $\chi^2/\text{NDF}$ : 1731913380528610603

-0.108+/-0.000  $\chi^2/\text{NDF}$ : 7220805731723

-3.021+/-0.000  $\chi^2/\text{NDF}$ : 127290209871575076



# dit\_4aY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 2.726+/-0.000  $\chi^2/\text{NDF}$ : 229322786068858143605643731271680.0/3

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

2.726+/-0.000  $\chi^2/\text{NDF}$ : 2293227860688581436

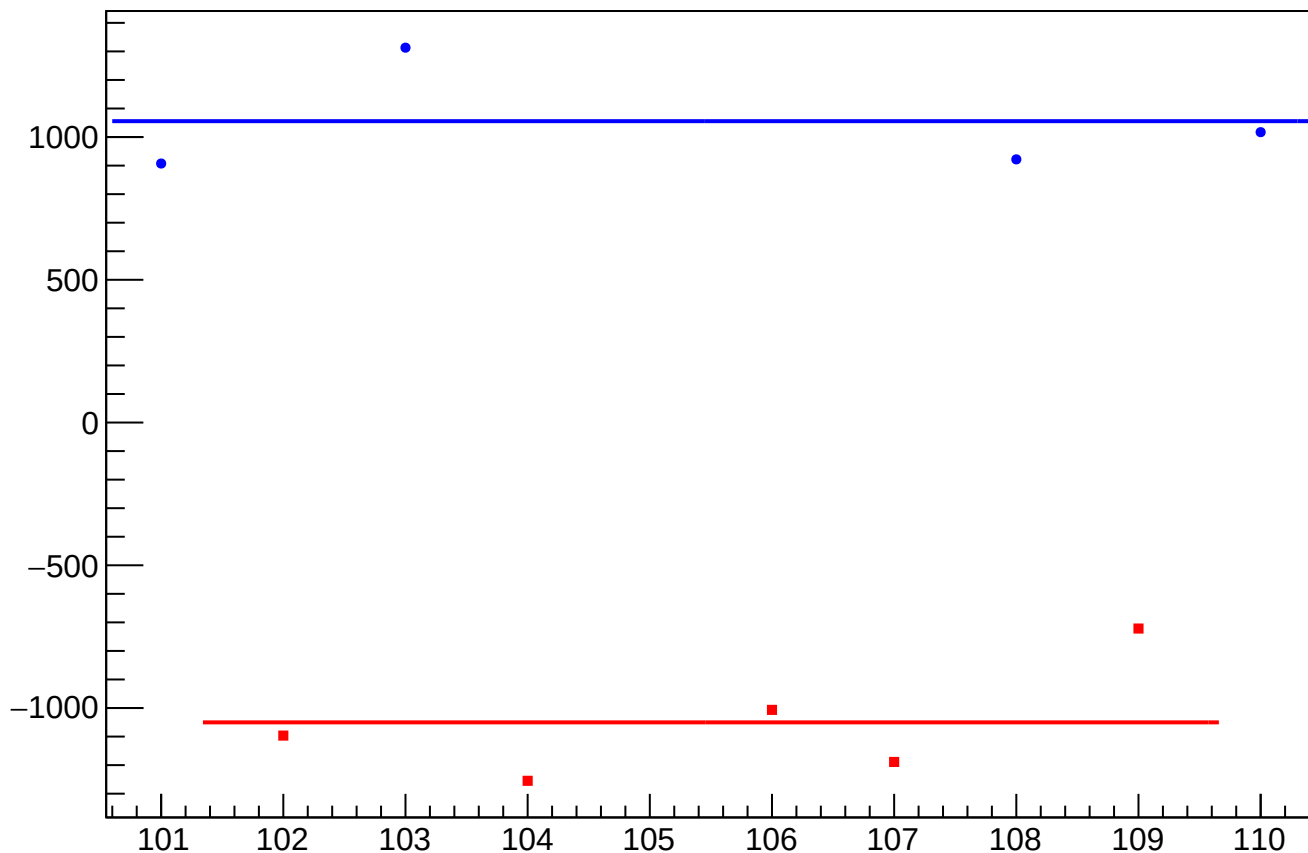
0.197+/-0.000  $\chi^2/\text{NDF}$ : 26239417713284

Right Out: -1.931+/-0.000  $\chi^2/\text{NDF}$ : 145270452844740595357899592564736.0/4

-1.931+/-0.000  $\chi^2/\text{NDF}$ : 145270452844740595

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

dit\_4aY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

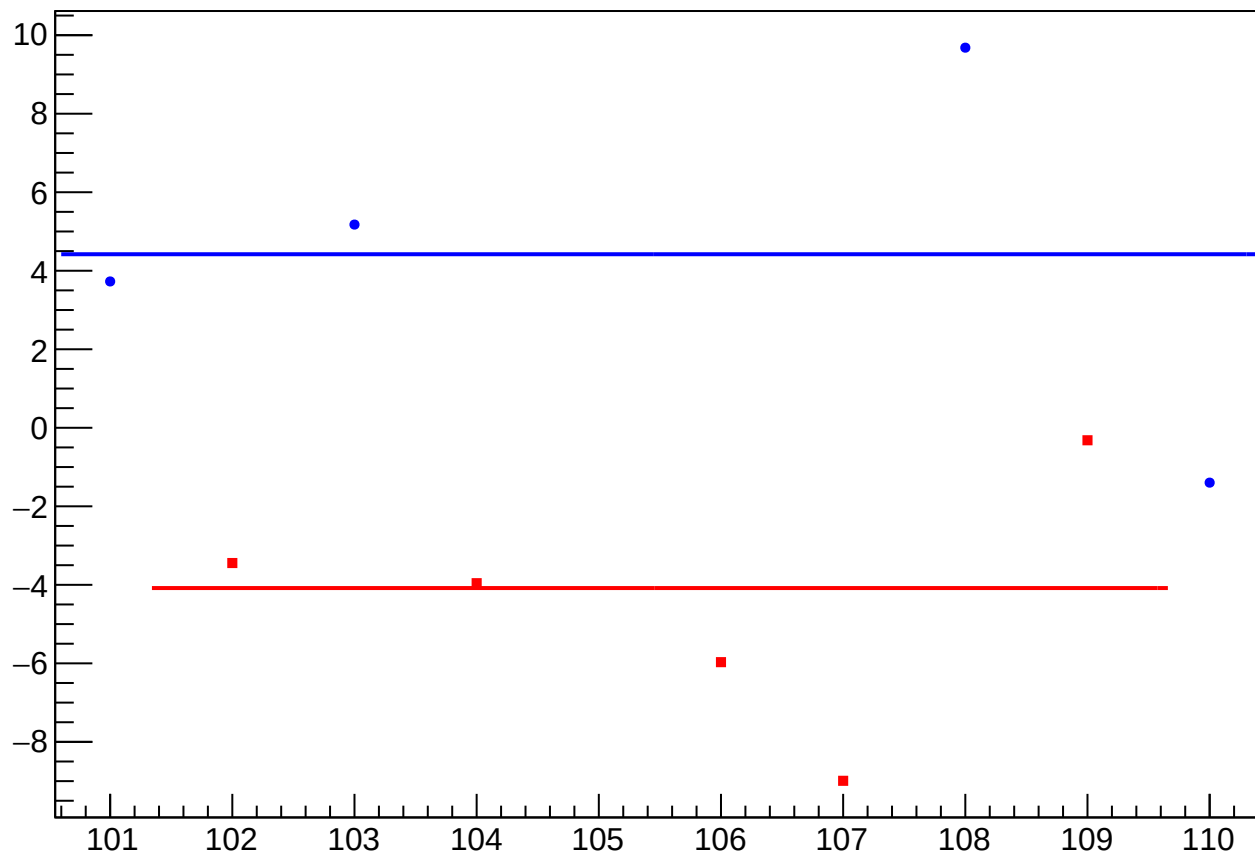
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

dit\_4eY\_coil1\_mean vs Slug, Sign Corrected



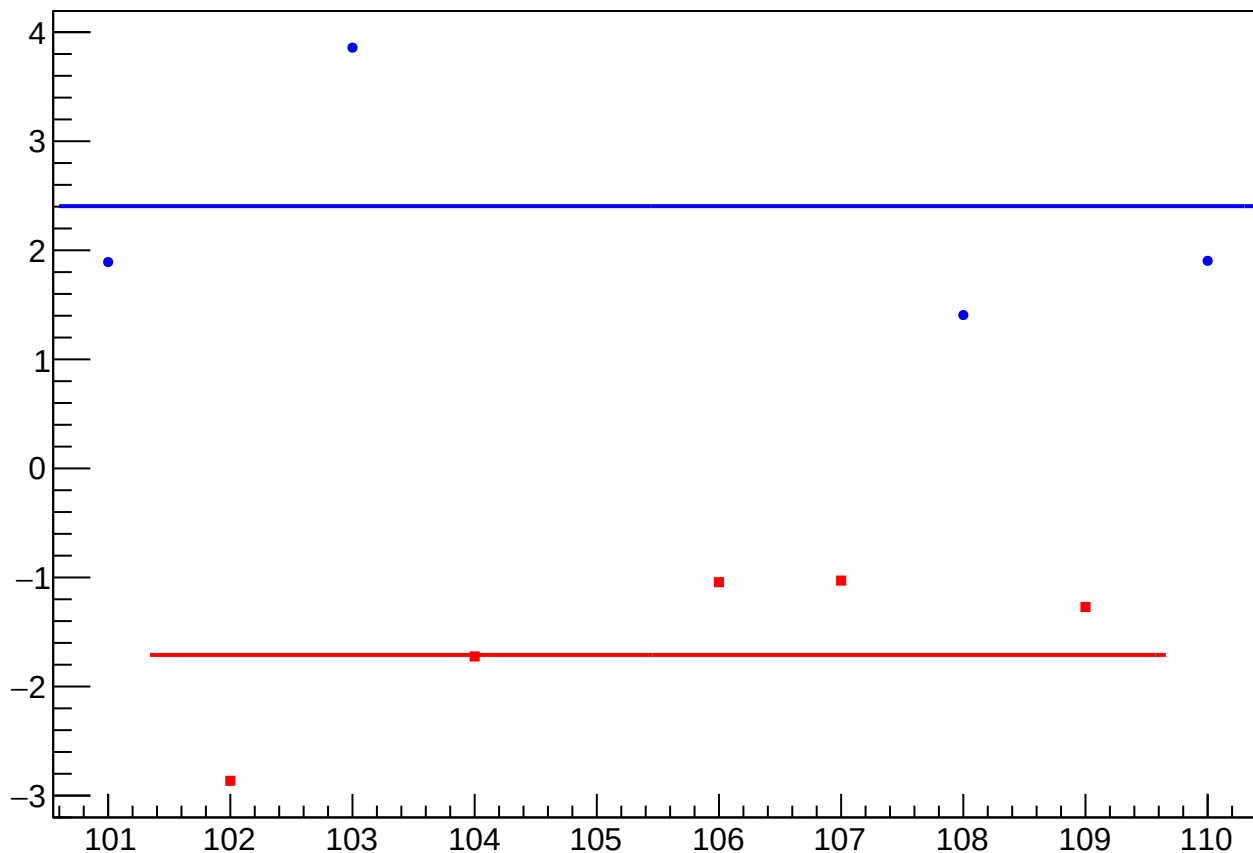
Right In: 4.421+/-0.000  $\chi^2/\text{NDF}$ : 2298532468459854777760623089418240.0/3

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

Right Out: -4.082+/-0.000  $\chi^2/\text{NDF}$ : 1725093318131913853489611391631360.0/4

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

dit\_4eY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 2.405+/-0.000  $\chi^2/\text{NDF}$ : 186782299503444583428181515567104.0/3

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

Right Out: -1.710+/-0.000  $\chi^2/\text{NDF}$ : 117647304860453765822167291789312.0/4

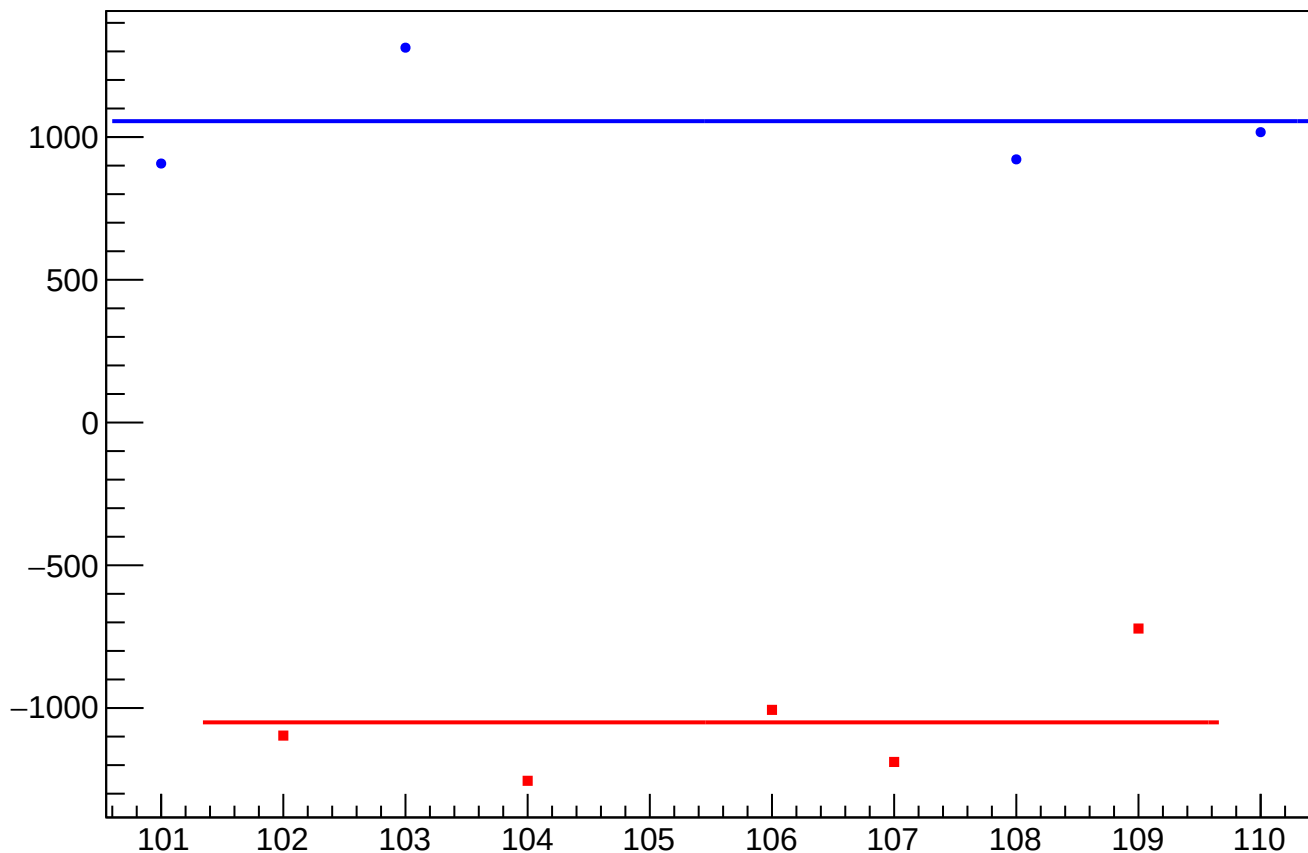
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.405+/-0.000  $\chi^2/\text{NDF}$ : 186782299503444583428181515567104.0/3

0.170+/-0.000  $\chi^2/\text{NDF}$ : 20608308260116

-1.710+/-0.000  $\chi^2/\text{NDF}$ : 117647304860453765822167291789312.0/4

dit\_4eY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

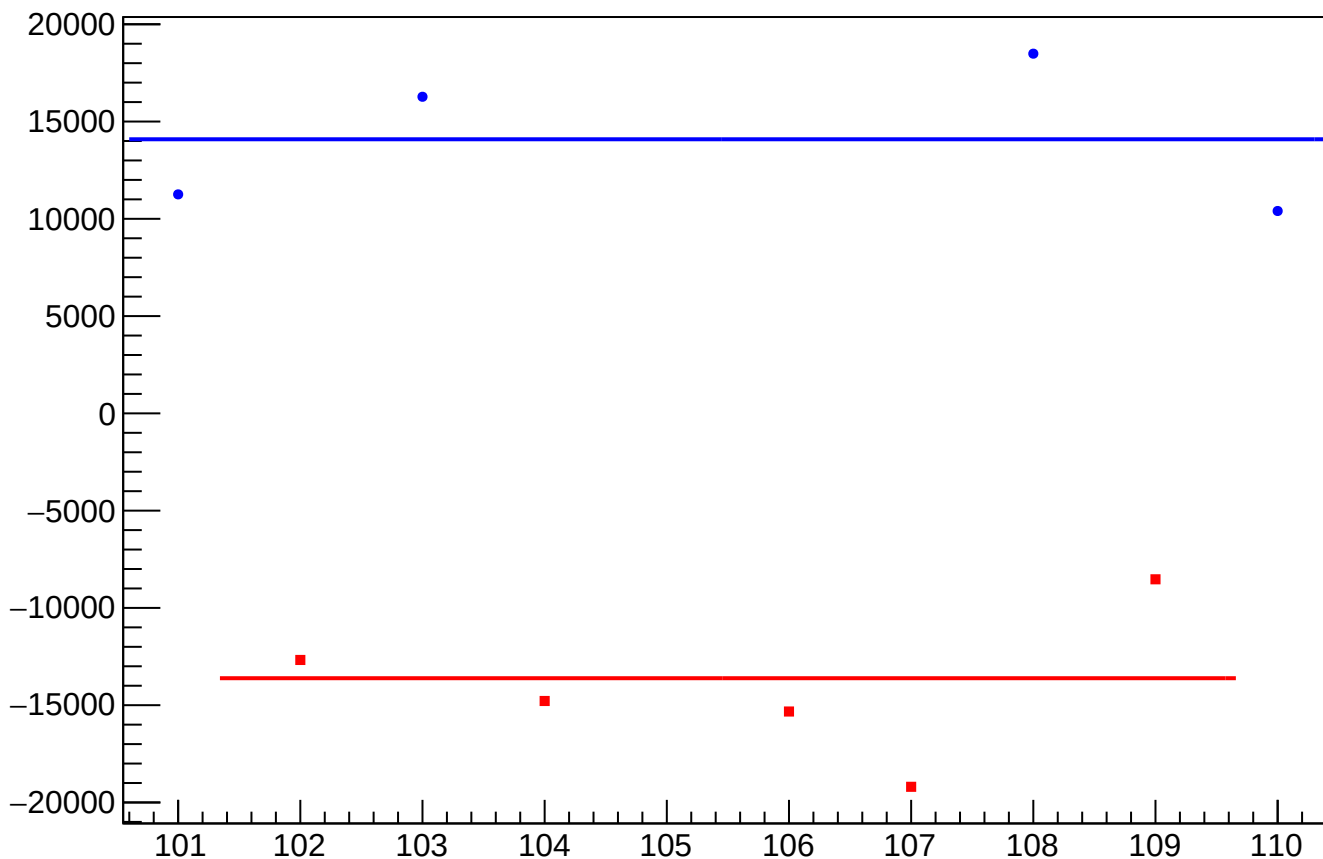
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

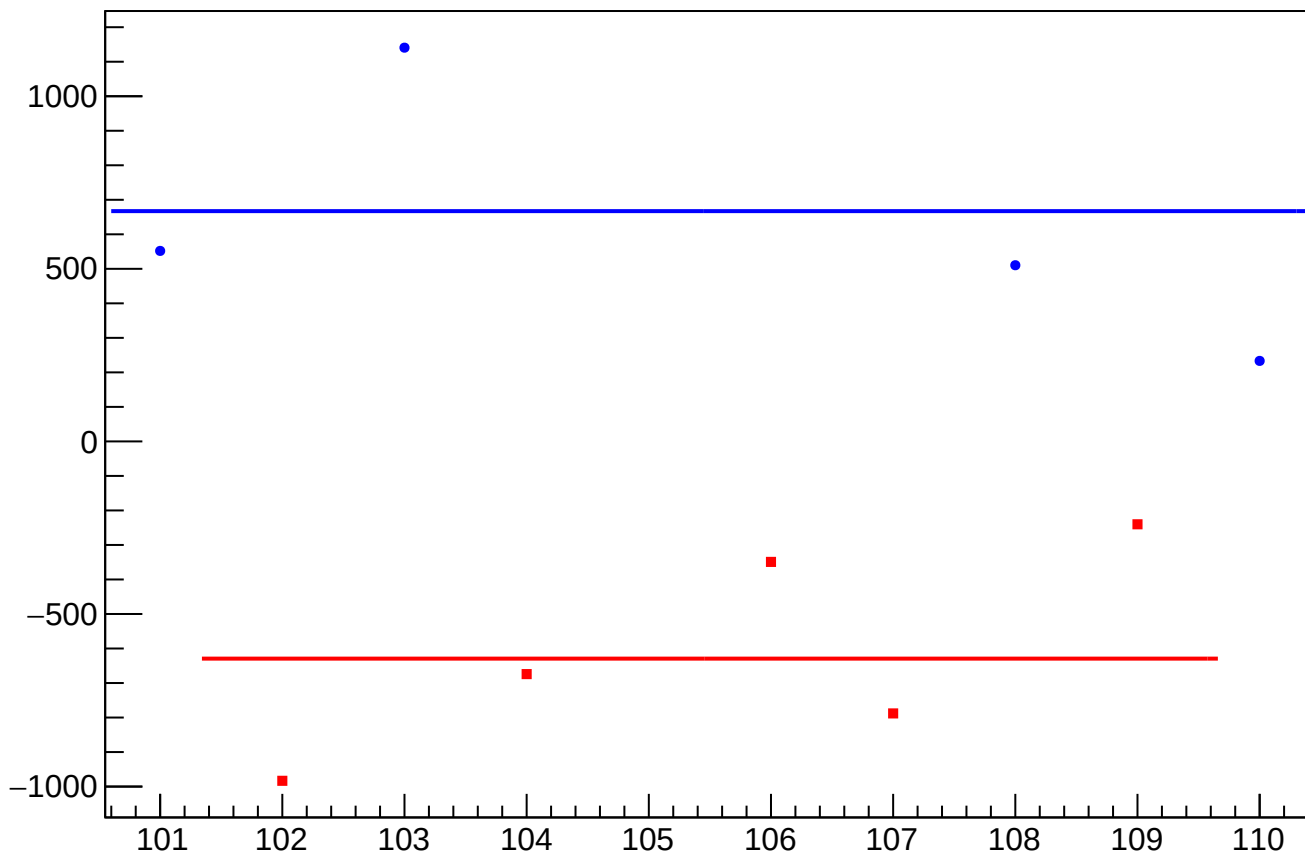
-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

dit\_usl\_coil1\_mean vs Slug, Sign Corrected



Right In: 14088.469+/-0.000  $\chi^2/\text{NDF}$ : 1966165398267282371197099070617909460992.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -13613.420+/-0.000  $\chi^2/\text{NDF}$ : 2651558576536079372751195305193915809792.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 667.157+/-0.000  $\chi^2/\text{NDF}$ : 21537249912331386614522007881015885824.0/3

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

Right Out: -629.300+/-0.000  $\chi^2/\text{NDF}$ : 18435924487949933489040942861165527040.0/4

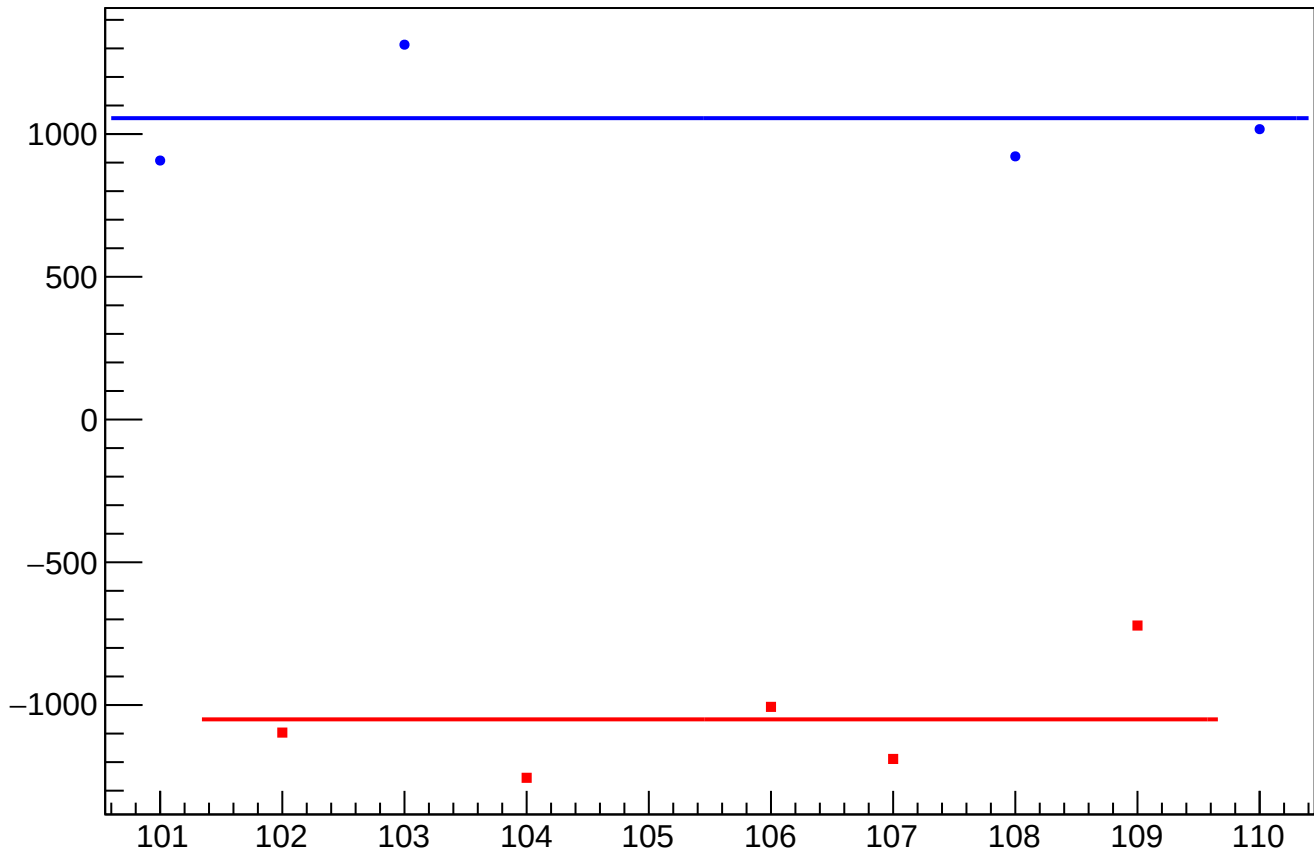
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

667.157+/-0.000  $\chi^2/\text{NDF}$ : 21537249912331386614522007881015885824.0/3

-36.900+/-0.000  $\chi^2/\text{NDF}$ : 21431382085165527040.0/4

-629.300+/-0.000  $\chi^2/\text{NDF}$ : 18435924487949933489040942861165527040.0/4

dit\_usl\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

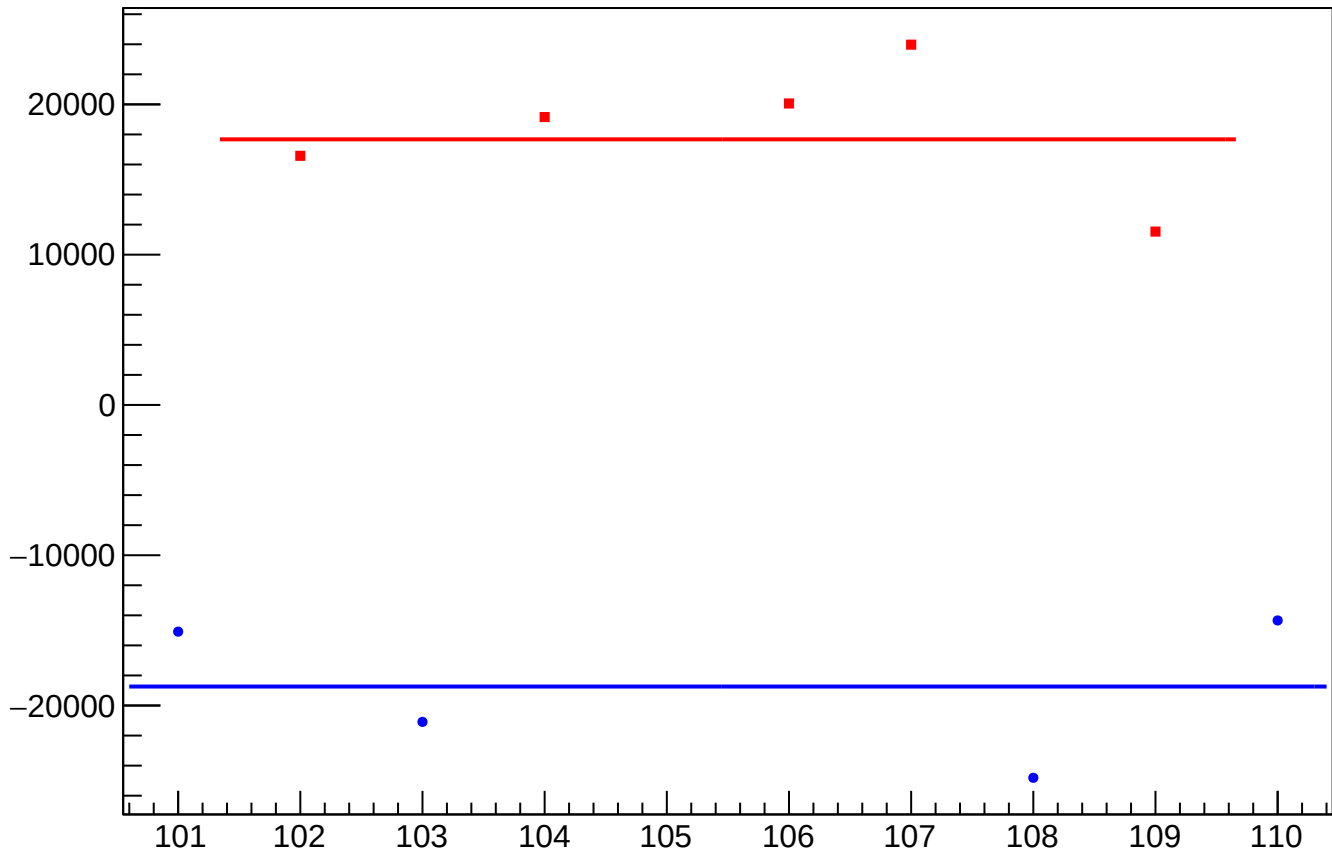
Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

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



# dit\_usr\_coil1\_mean vs Slug, Sign Corrected



Right In: -18737.626+/-0.000  $\chi^2/\text{NDF}$ : 3191974270732048892373815211491736944640.0/3

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

-18737.626+/-0.000  $\chi^2/\text{NDF}$ : 31919742707320

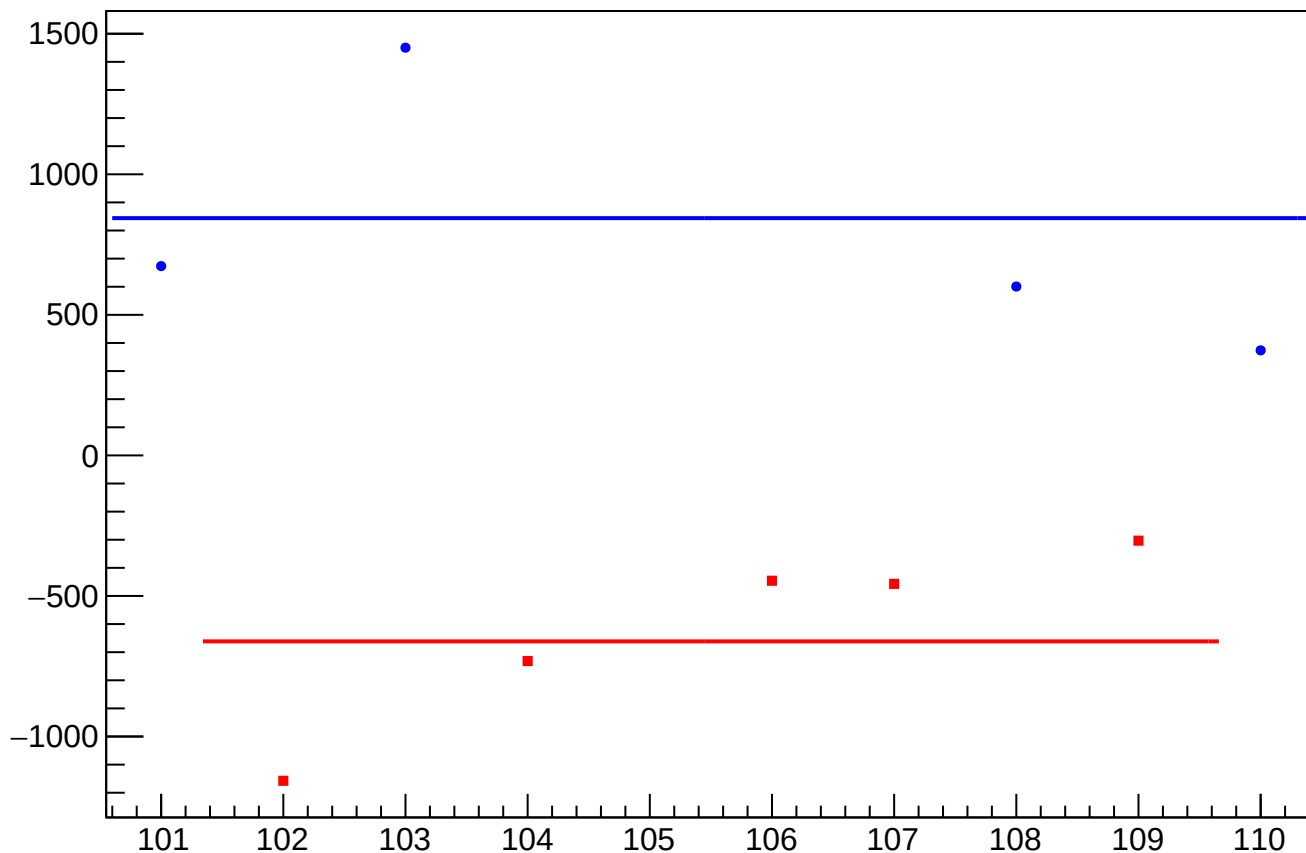
1036.085+/-0.000  $\chi^2/\text{NDF}$ : 14441798499

Right Out: 17673.877+/-0.000  $\chi^2/\text{NDF}$ : 3707815793762968724808287440258799239168.0/4

17673.877+/-0.000  $\chi^2/\text{NDF}$ : 370781579376296

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

dit\_usr\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 844.069+/-0.000  $\chi^2/\text{NDF}$ : 33404193671026444999847287538606669824.0/3

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

Right Out: -661.610+/-0.000  $\chi^2/\text{NDF}$ : 24013292969961296506205297887110234112.0/4

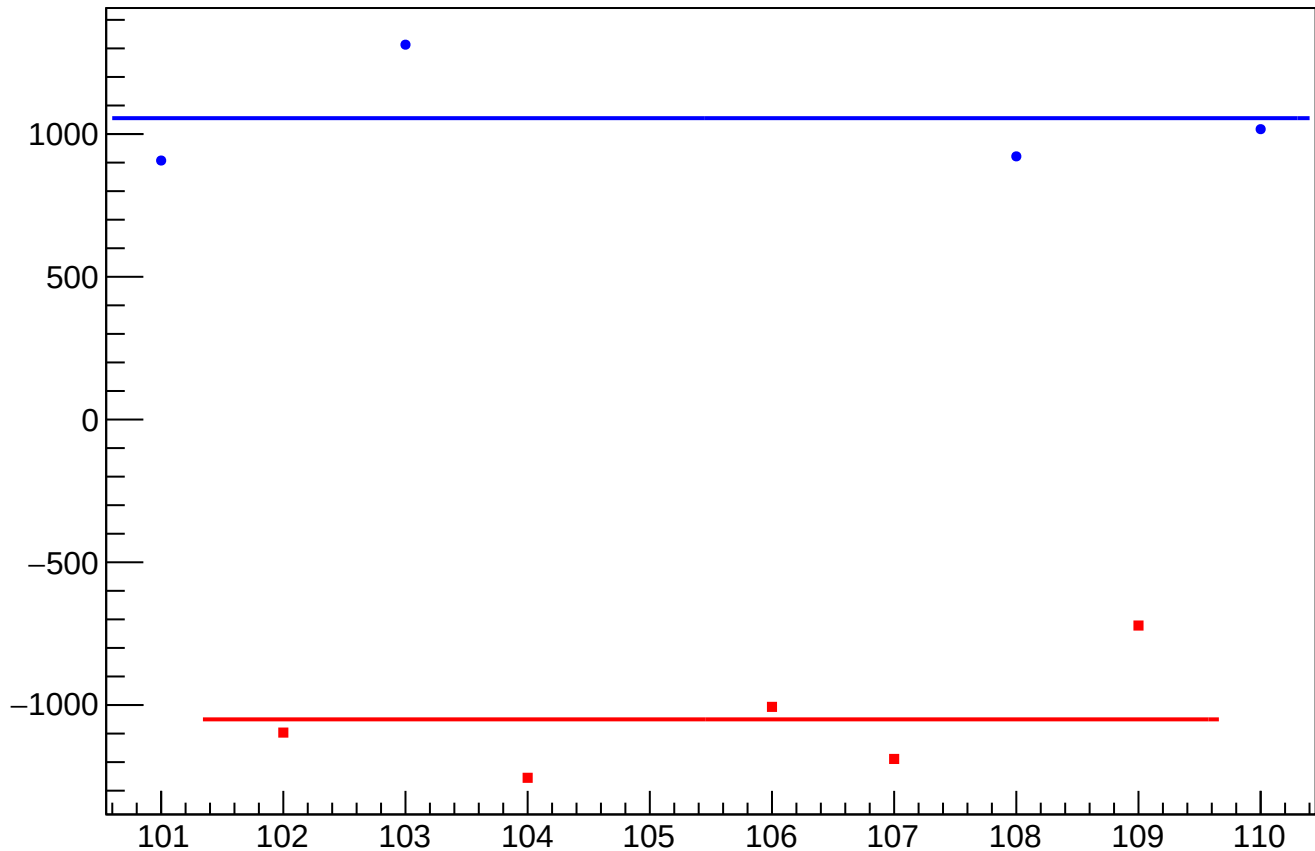
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

844.069+/-0.000  $\chi^2/\text{NDF}$ : 33404193671026444999847287538606669824.0/3

26.392+/-0.000  $\chi^2/\text{NDF}$ : 2925687361913

-661.610+/-0.000  $\chi^2/\text{NDF}$ : 24013292969961296506205297887110234112.0/4

dit\_usr\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

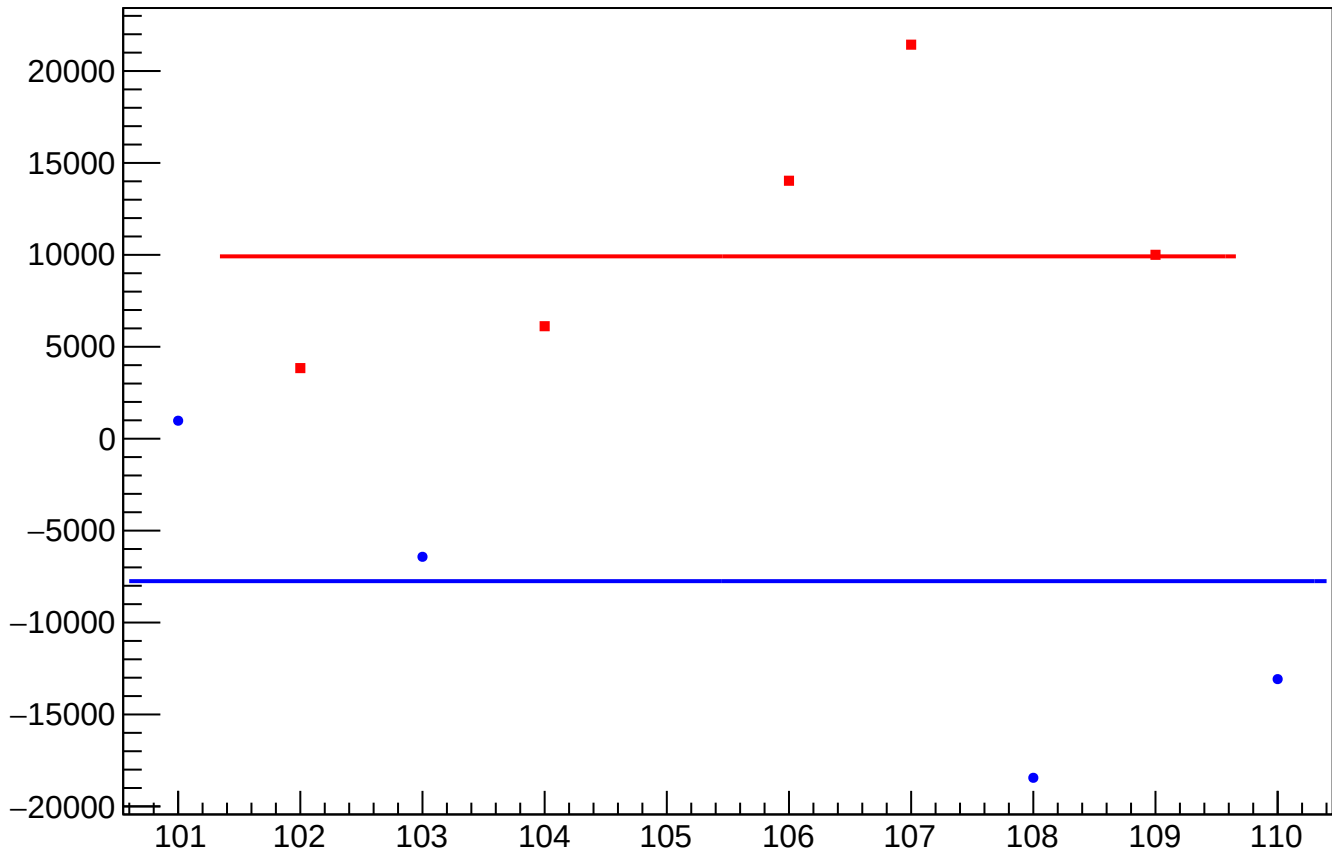
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

# dit\_atl1\_coil1\_mean vs Slug, Sign Corrected



Right In: -7748.050+/-0.000  $\chi^2/\text{NDF}$ : 9938681623432063722627686960439444373504.0/3

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

-7748.050+/-0.000  $\chi^2/\text{NDF}$ : 993868162343206

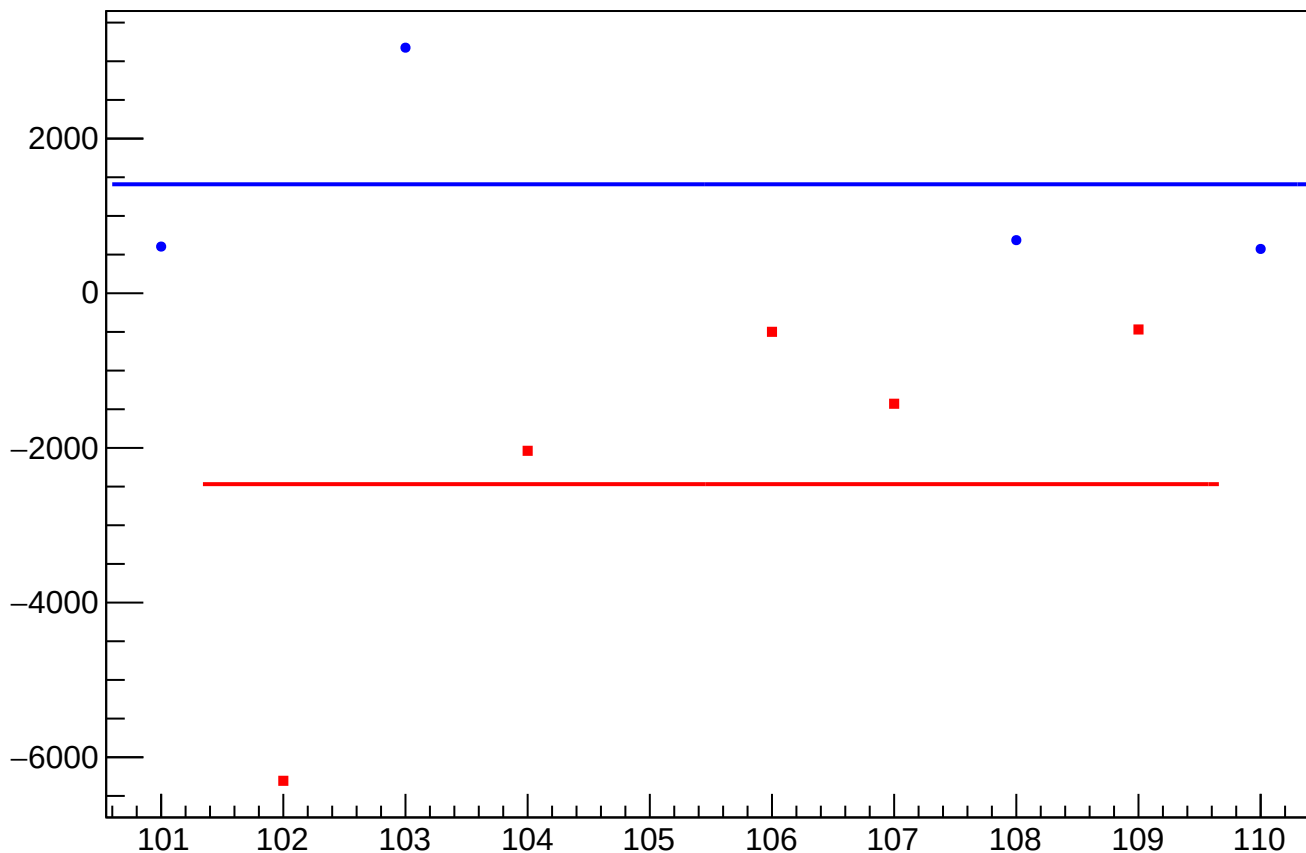
1846.018+/-0.000  $\chi^2/\text{NDF}$ : 50489247291

Right Out: 9918.560+/-0.000  $\chi^2/\text{NDF}$ : 8177085610897252699850561547343587442688.0/4

9918.560+/-0.000  $\chi^2/\text{NDF}$ : 8177085610897252

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

dit\_atl1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1409.143+/-0.000  $\chi^2/\text{NDF}$ : 266684374546601254140561531679144935424.0/3

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

Right Out: -2468.465+/-0.000  $\chi^2/\text{NDF}$ : 1226172663072067788201944873607337345024.0/4

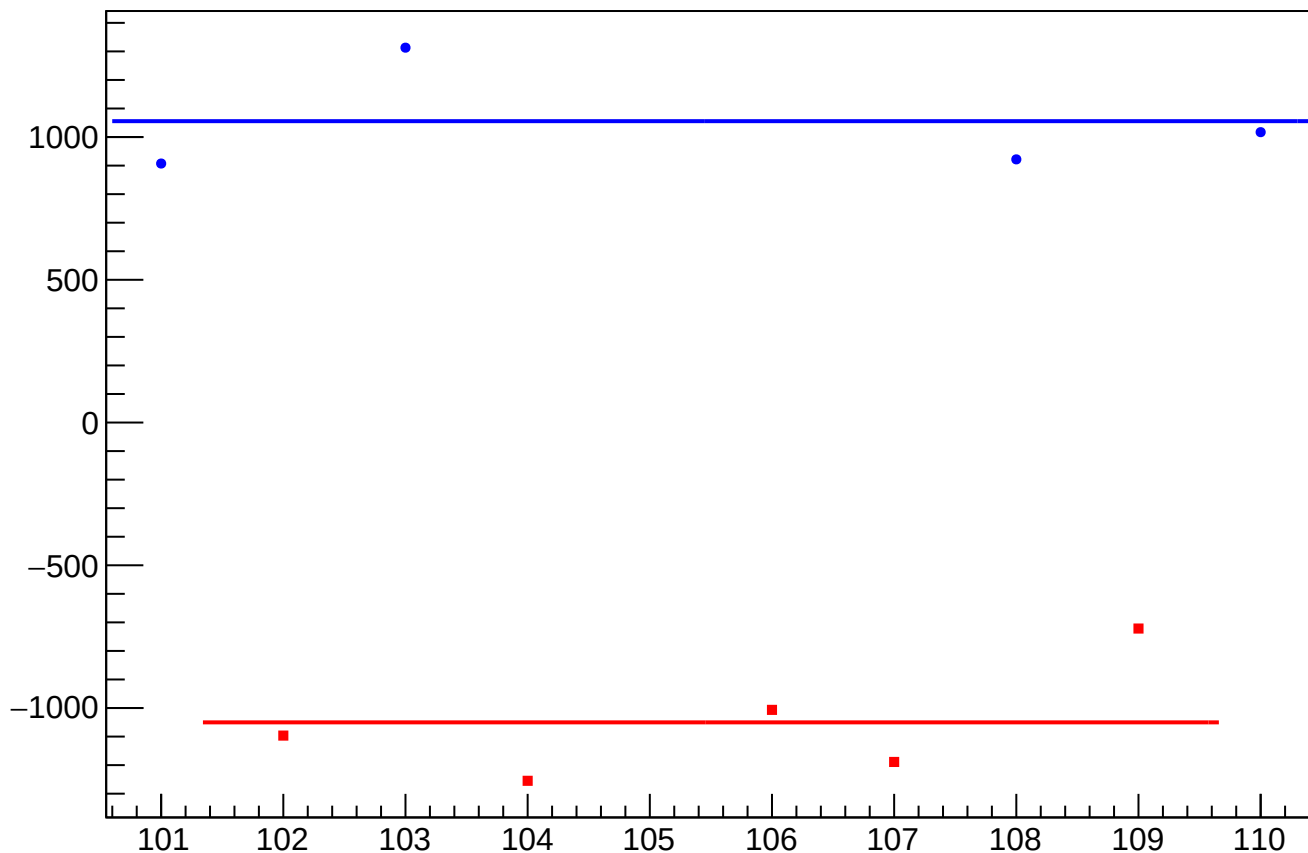
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1409.143+/-0.000  $\chi^2/\text{NDF}$ : 266684374546601254140561531679144935424.0/3

-696.639+/-0.000  $\chi^2/\text{NDF}$ : 305244841974

-2468.465+/-0.000  $\chi^2/\text{NDF}$ : 1226172663072067788201944873607337345024.0/4

dit\_atl1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

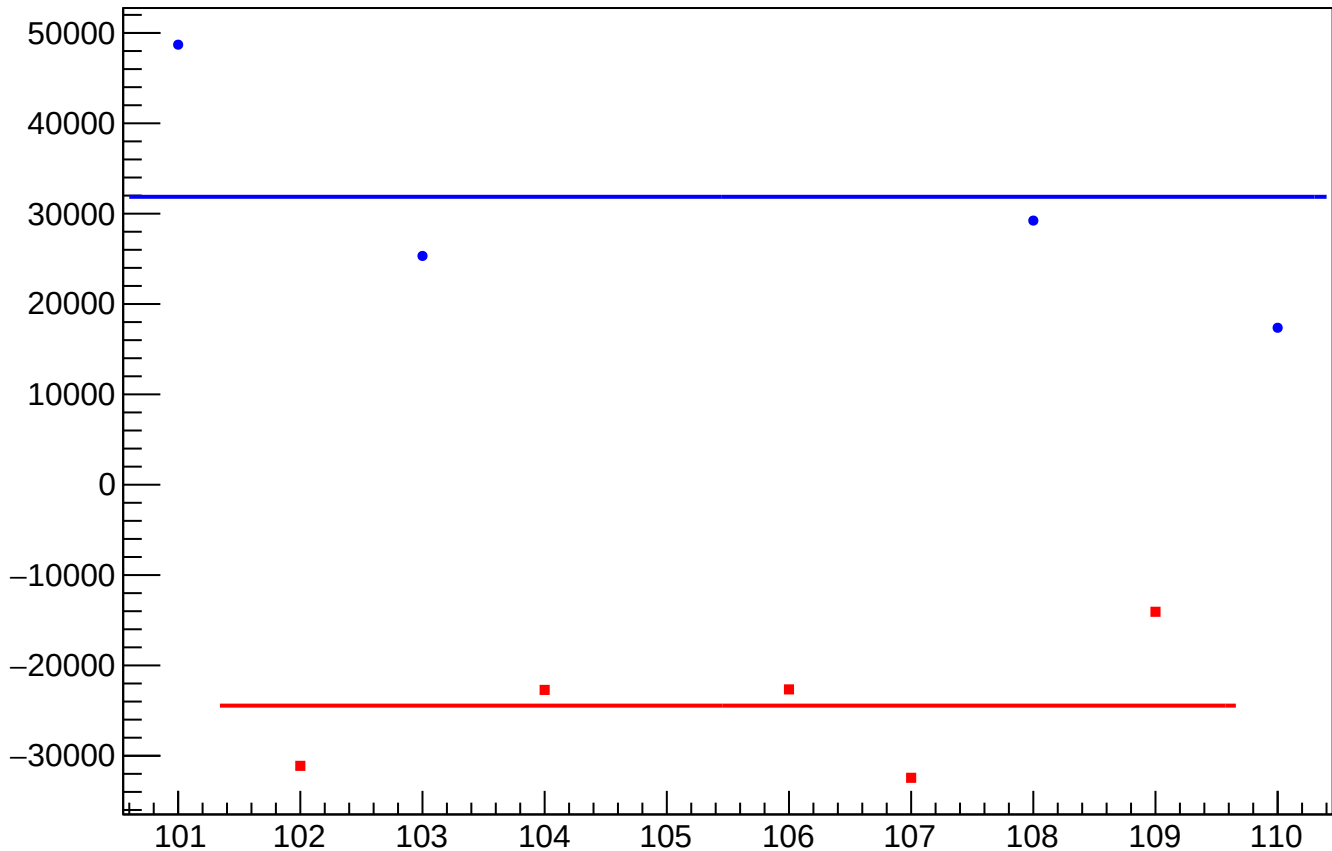
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

# dit\_atl2\_coil1\_mean vs Slug, Sign Corrected



Right In: 31866.114+/-0.000  $\chi^2/\text{NDF}$ : 26870300615616194021058601200411633254400.0/3

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

31866.114+/-0.000  $\chi^2/\text{NDF}$ : 26870300615616194021058601200411633254400.0/3

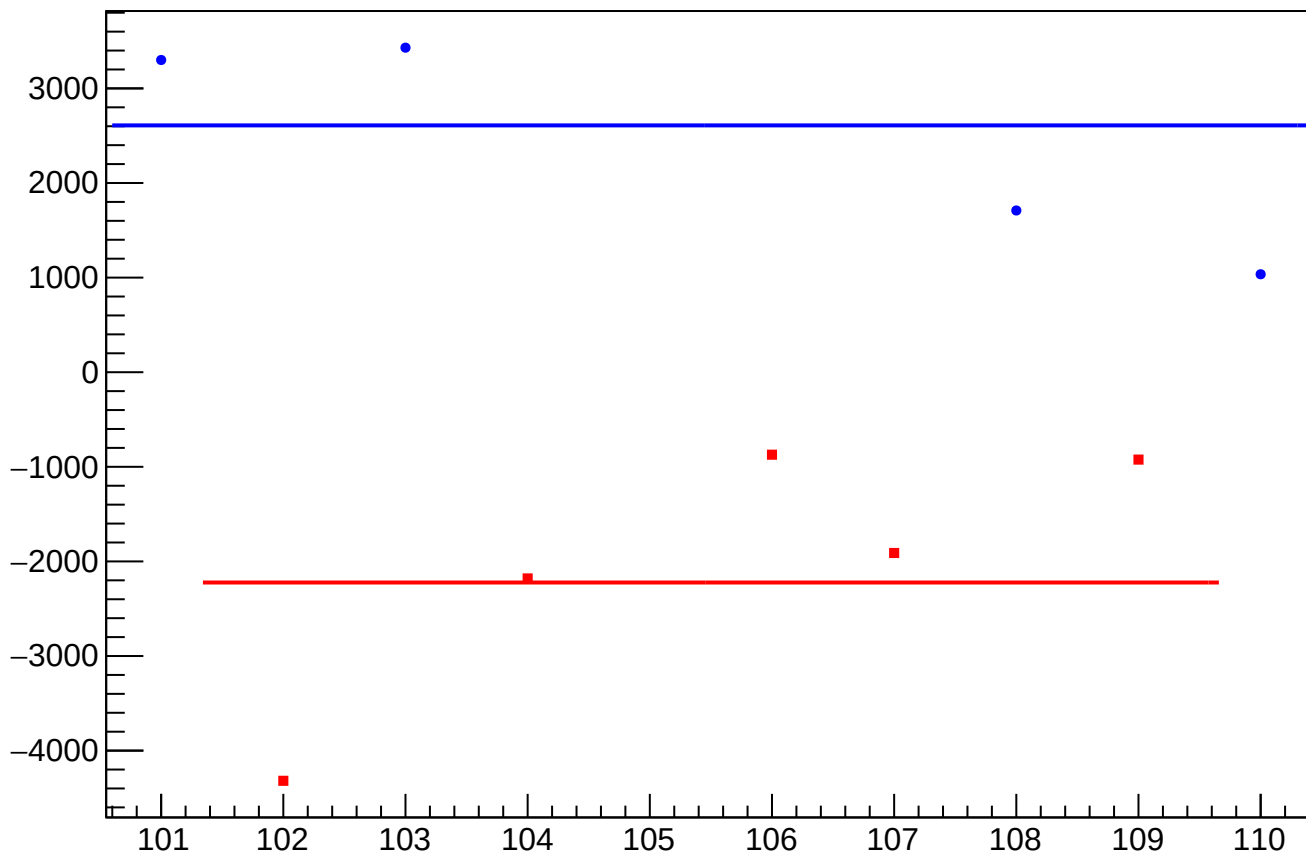
1283.242+/-0.000  $\chi^2/\text{NDF}$ : 36645852961

Right Out: -24449.483+/-0.000  $\chi^2/\text{NDF}$ : 10630325518742767383967028826778237927424.0/4

-24449.483+/-0.000  $\chi^2/\text{NDF}$ : 10630325518742767383967028826778237927424.0/4

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

dit\_atl2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 2608.990+/-0.000  $\chi^2/\text{NDF}$ : 185431494450286543679565241149399498752.0/3

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

Right Out: -2222.939+/-0.000  $\chi^2/\text{NDF}$ : 401076824103587342084831319087181201408.0/4

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

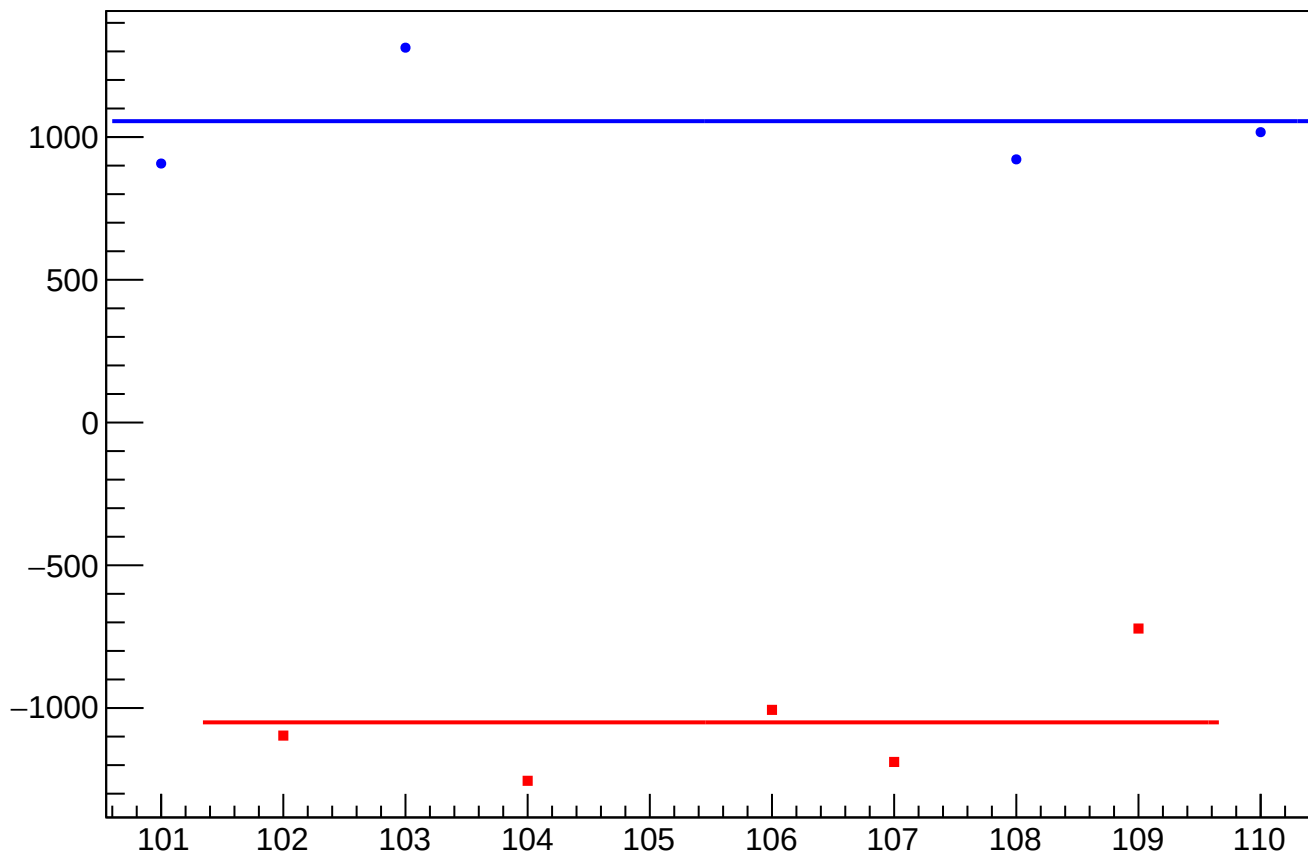
2608.990+/-0.000  $\chi^2/\text{NDF}$ : 1854314944502865

-15.048+/-0.000  $\chi^2/\text{NDF}$ : 3008228844975

-2222.939+/-0.000  $\chi^2/\text{NDF}$ : 401076824103587



dit\_atl2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

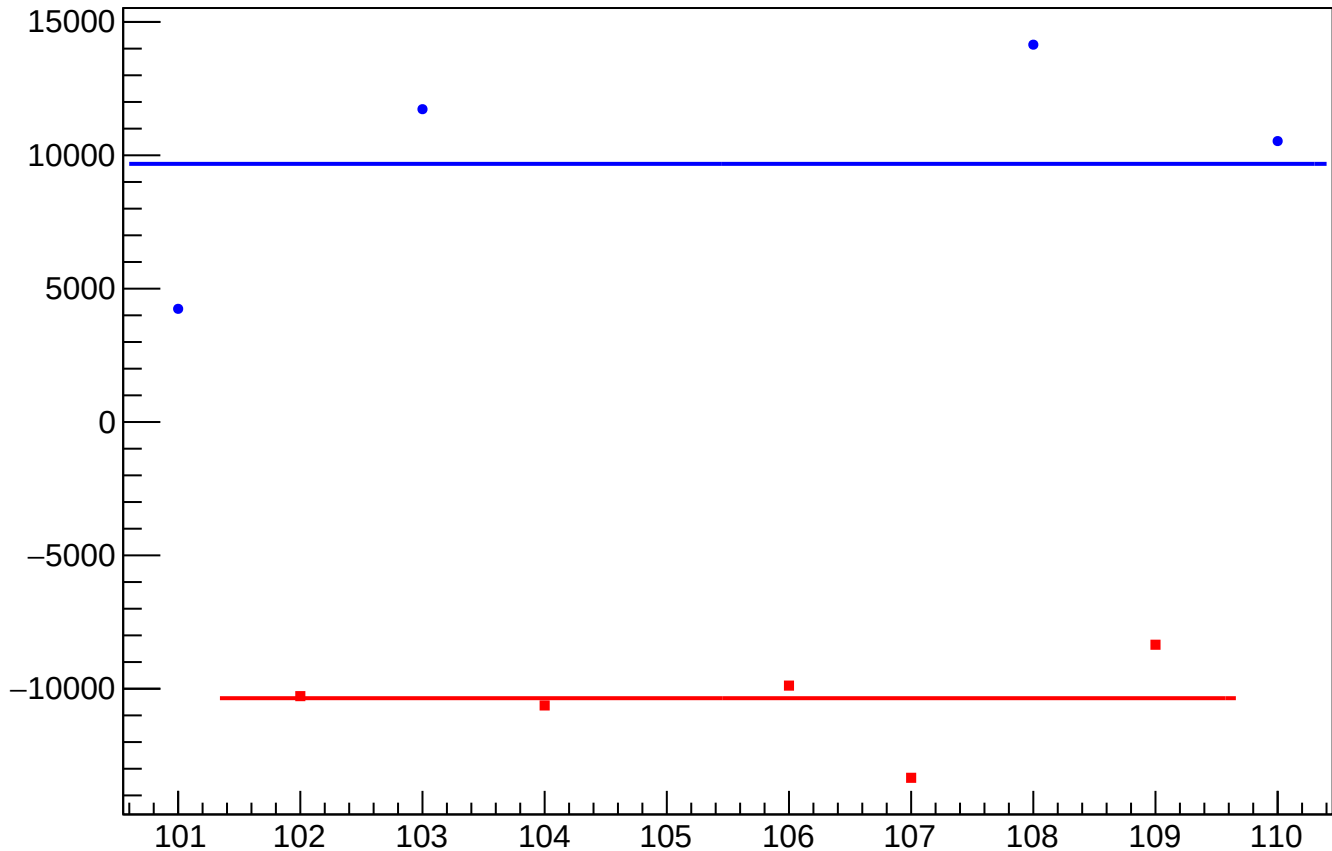
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

# dit\_atr1\_coil1\_mean vs Slug, Sign Corrected



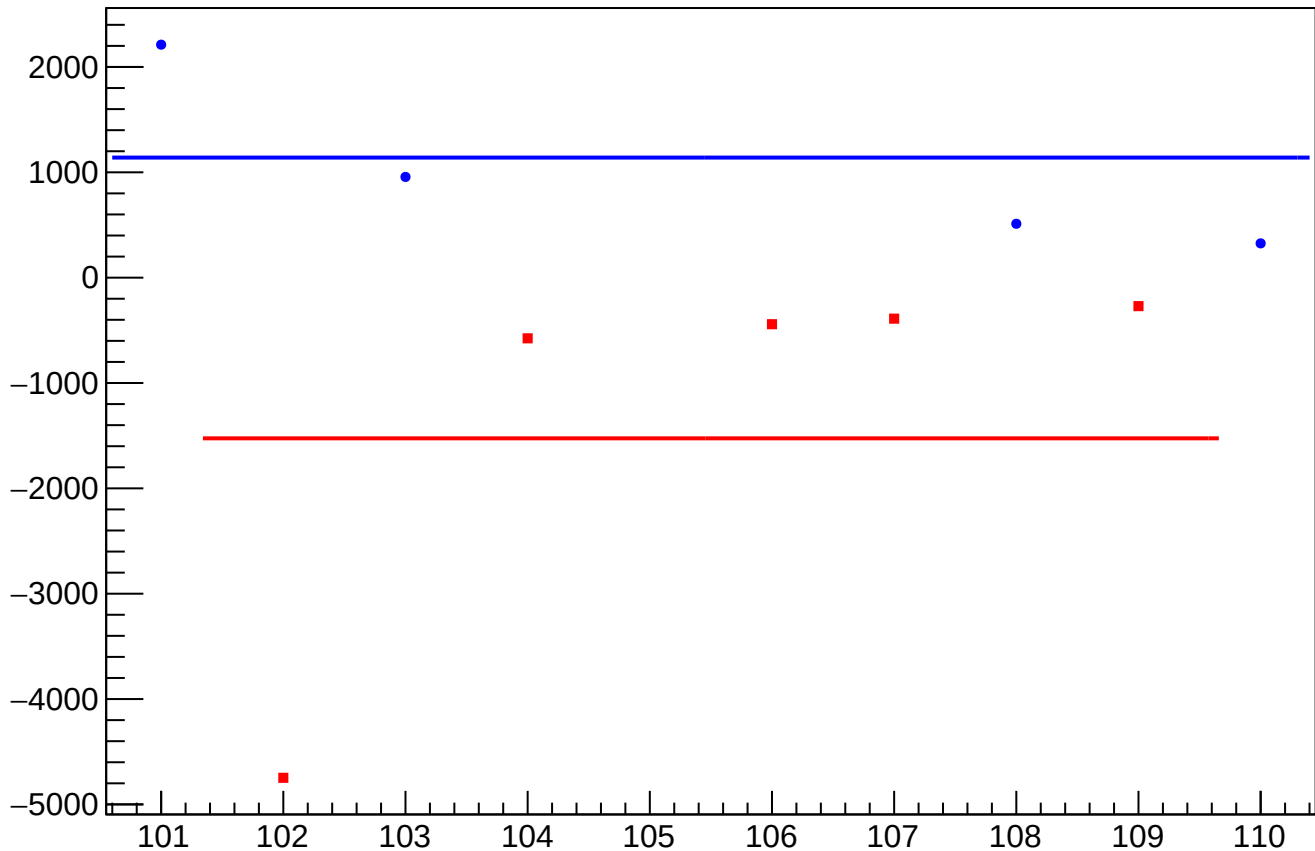
Right In: 9679.206+/-0.000  $\chi^2/\text{NDF}$ : 2775469025588454940843321469607753023488.0/3

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

Right Out: -10354.949+/-0.000  $\chi^2/\text{NDF}$ : 536657679894622141586162303576129404928.0/4

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

# dit\_atr1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1139.966+/-0.000  $\chi^2/\text{NDF}$ : 107980301129123900312893289592602492928.0/3

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

1139.966+/-0.000  $\chi^2/\text{NDF}$ : 1079803011291239

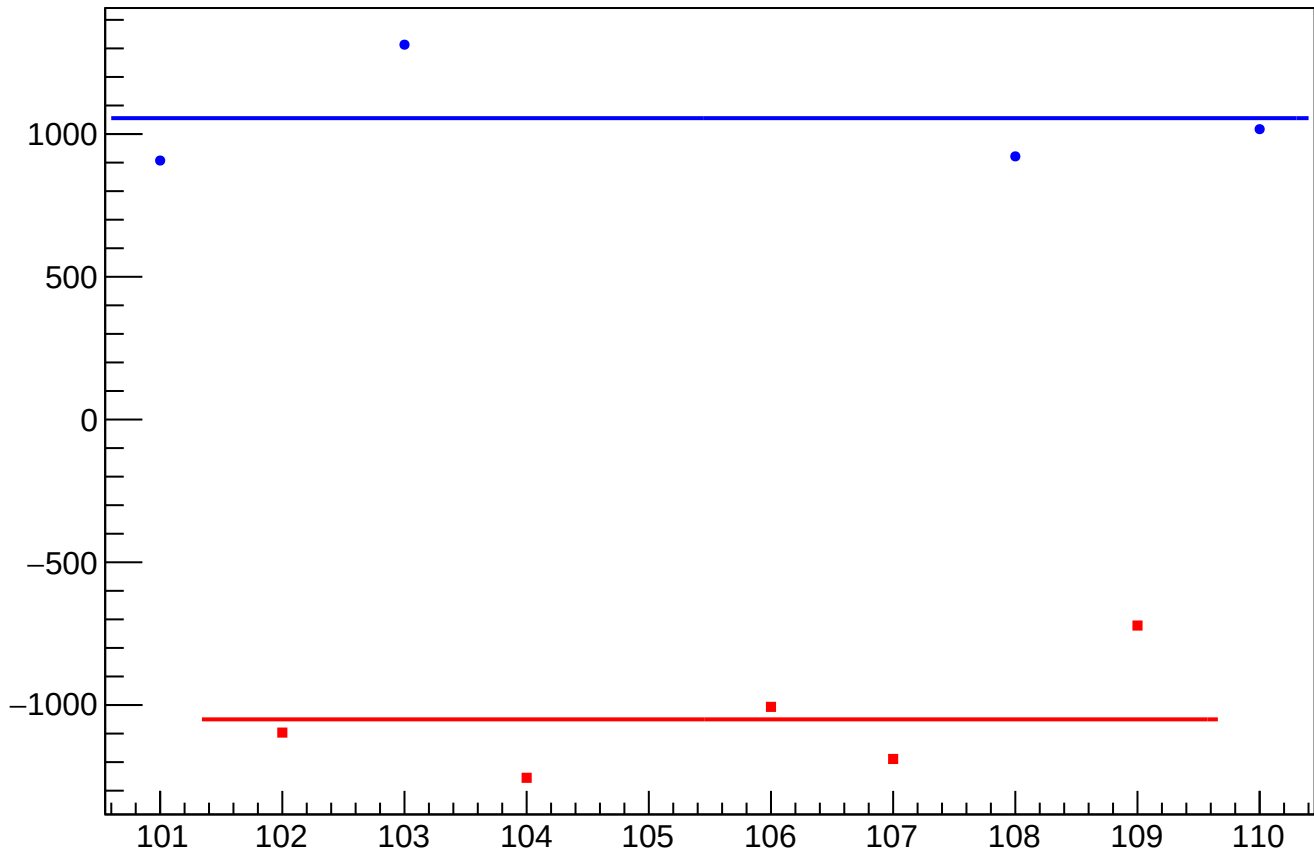
-307.384+/-0.000  $\chi^2/\text{NDF}$ : 165611041920

Right Out: -1525.198+/-0.000  $\chi^2/\text{NDF}$ : 811362224375452794794408386665692266496.0/4

-1525.198+/-0.000  $\chi^2/\text{NDF}$ : 811362224375452

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

dit\_atr1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

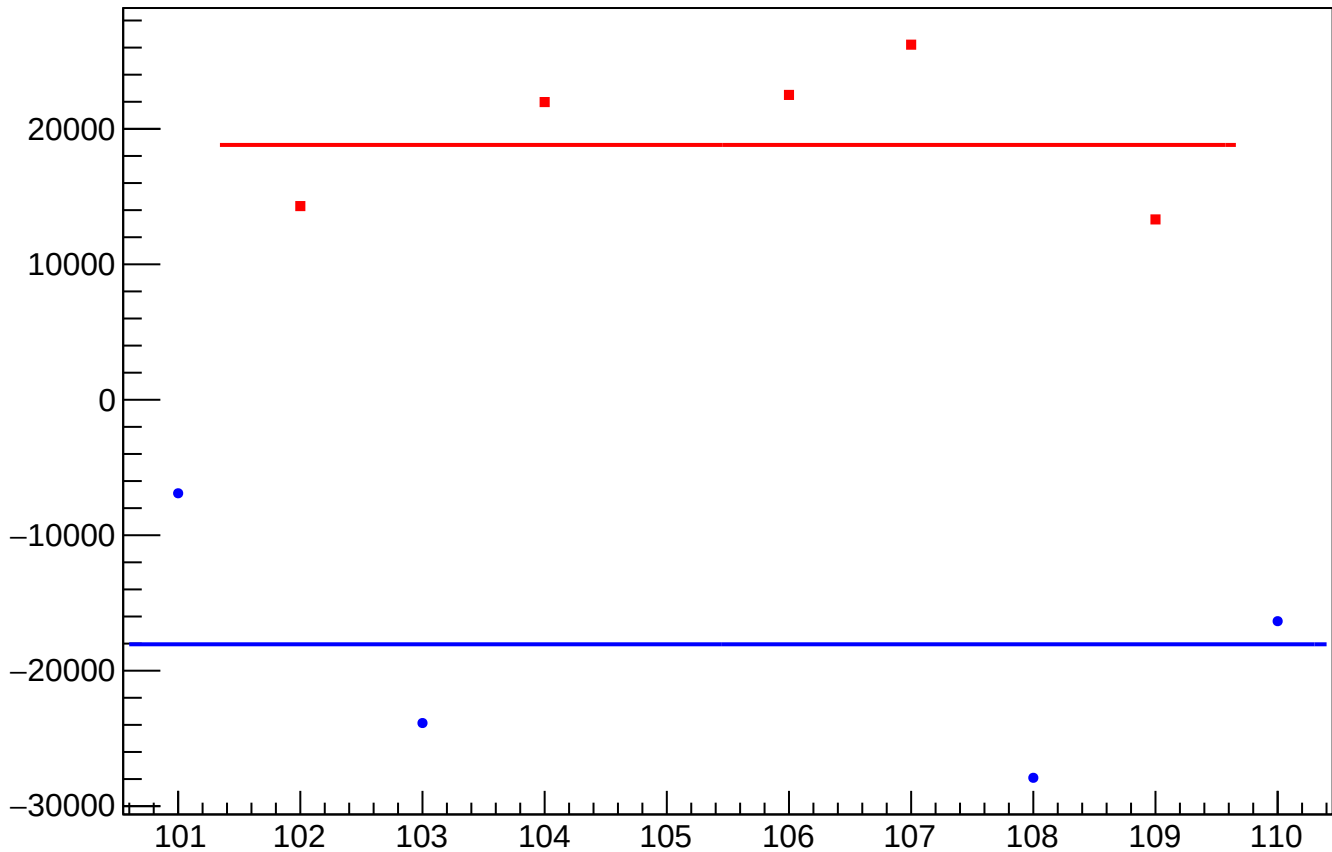
-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

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

# dit\_atr2\_coil1\_mean vs Slug, Sign Corrected



Right In: -18050.945+/-0.000  $\chi^2/\text{NDF}$ : 13120599696005838271750232402550302179328.0/3

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

Right Out: 18813.981+/-0.000  $\chi^2/\text{NDF}$ : 5630288961817503752846552872159992086528.0/4

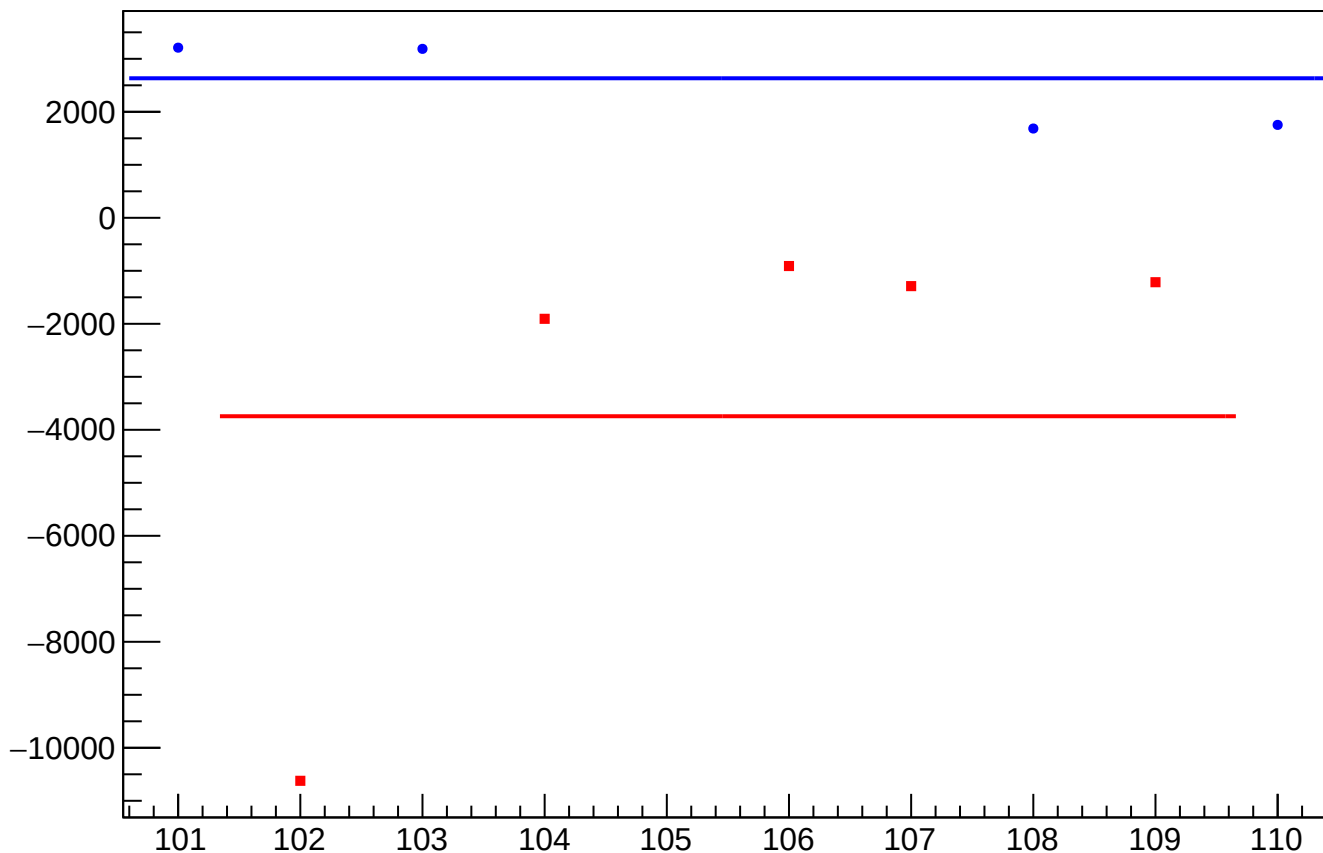
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-18050.945+/-0.000  $\chi^2/\text{NDF}$ : 13120599696005

1969.003+/-0.000  $\chi^2/\text{NDF}$ : 15971536876

18813.981+/-0.000  $\chi^2/\text{NDF}$ : 563028896181750

dit\_atr2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 2632.810+/-0.000  $\chi^2/\text{NDF}$ : 99097220684232382260888989137194975232.0/3

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

Right Out: -3744.001+/-0.000  $\chi^2/\text{NDF}$ : 3708804893260229427776520736044312690688.0/4

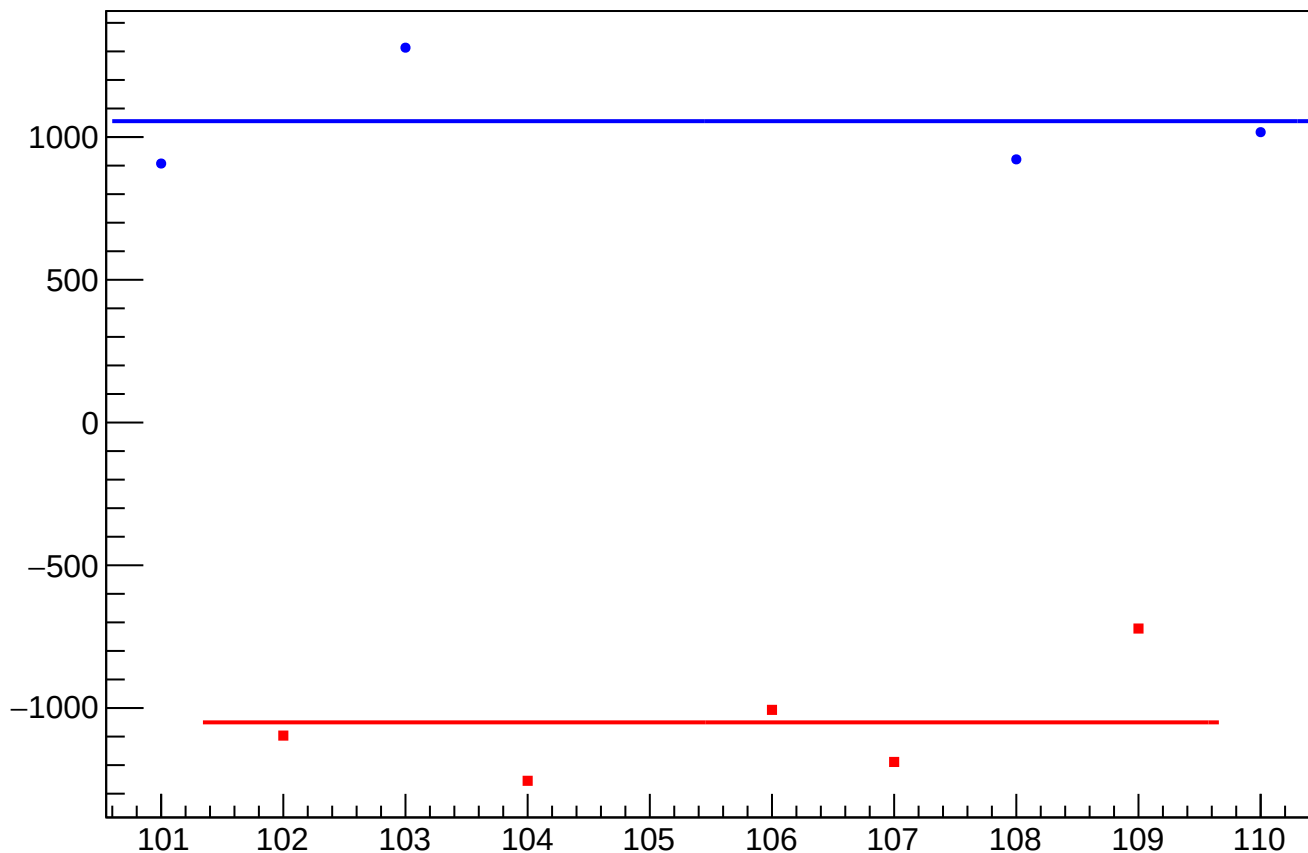
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2632.810+/-0.000  $\chi^2/\text{NDF}$ : 9909722068423238

-830.195+/-0.000  $\chi^2/\text{NDF}$ : 80257413447

-3744.001+/-0.000  $\chi^2/\text{NDF}$ : 370880489326022

dit\_atr2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

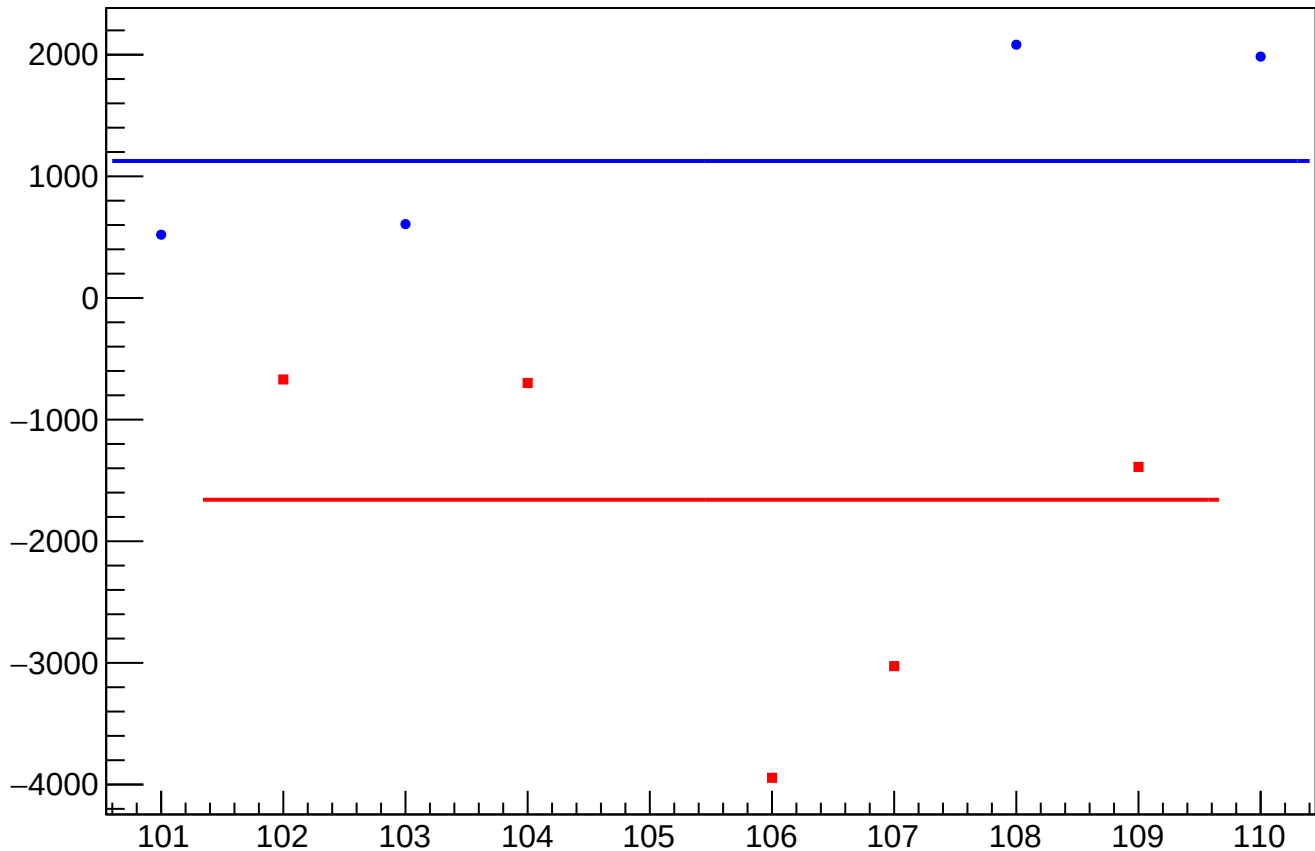
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

# dit\_sam1\_coil1\_mean vs Slug, Sign Corrected



Right In: 1126.388+/-0.000  $\chi^2/\text{NDF}$ : 98066103719654924559838249459944259584.0/3

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

Right Out: -1658.795+/-0.000  $\chi^2/\text{NDF}$ : 336764703477138276794232716875834327040.0/4

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

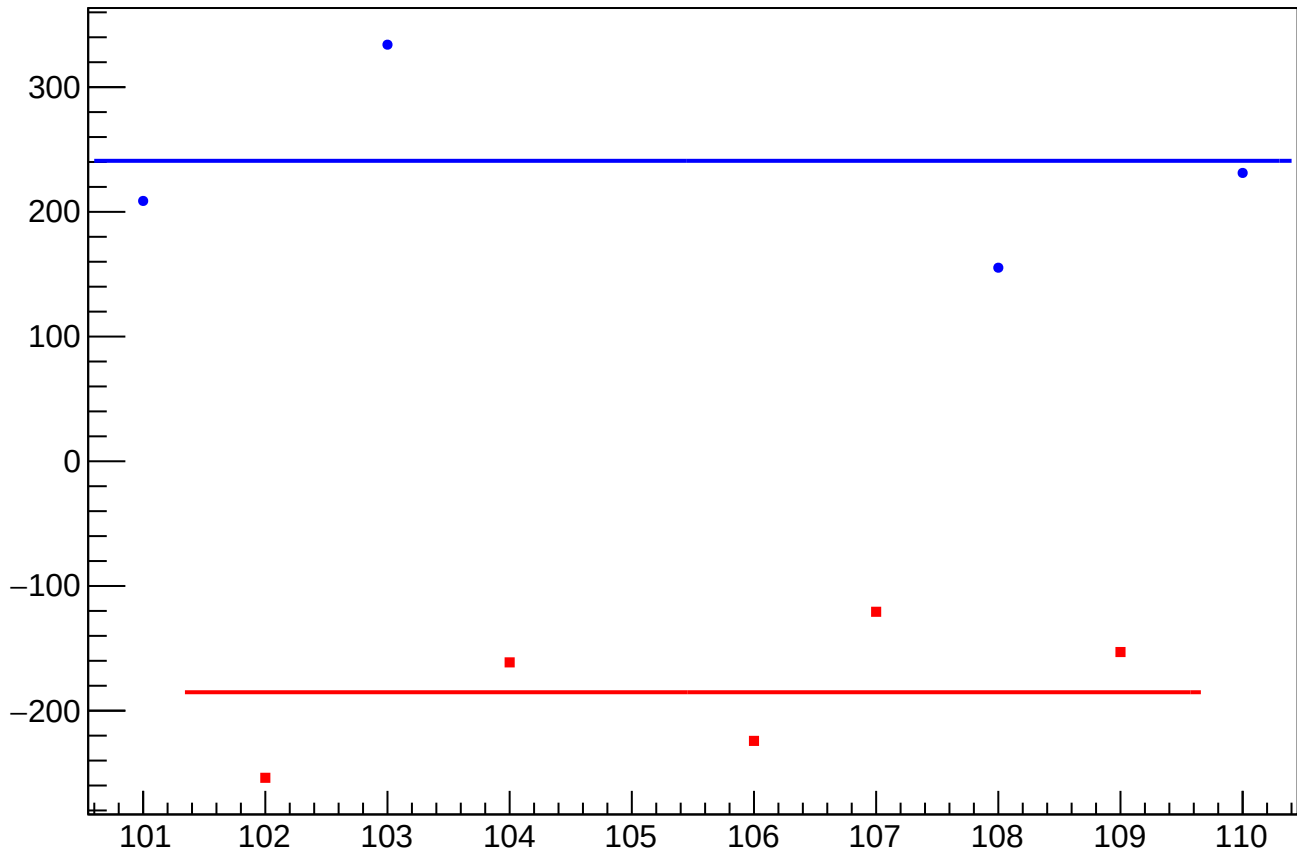
1126.388+/-0.000  $\chi^2/\text{NDF}$ : 9806610371965492

-386.140+/-0.000  $\chi^2/\text{NDF}$ : 12394501338

-1658.795+/-0.000  $\chi^2/\text{NDF}$ : 336764703477138



dit\_sam1\_coil1\_err\_mean vs Slug, Sign Corrected



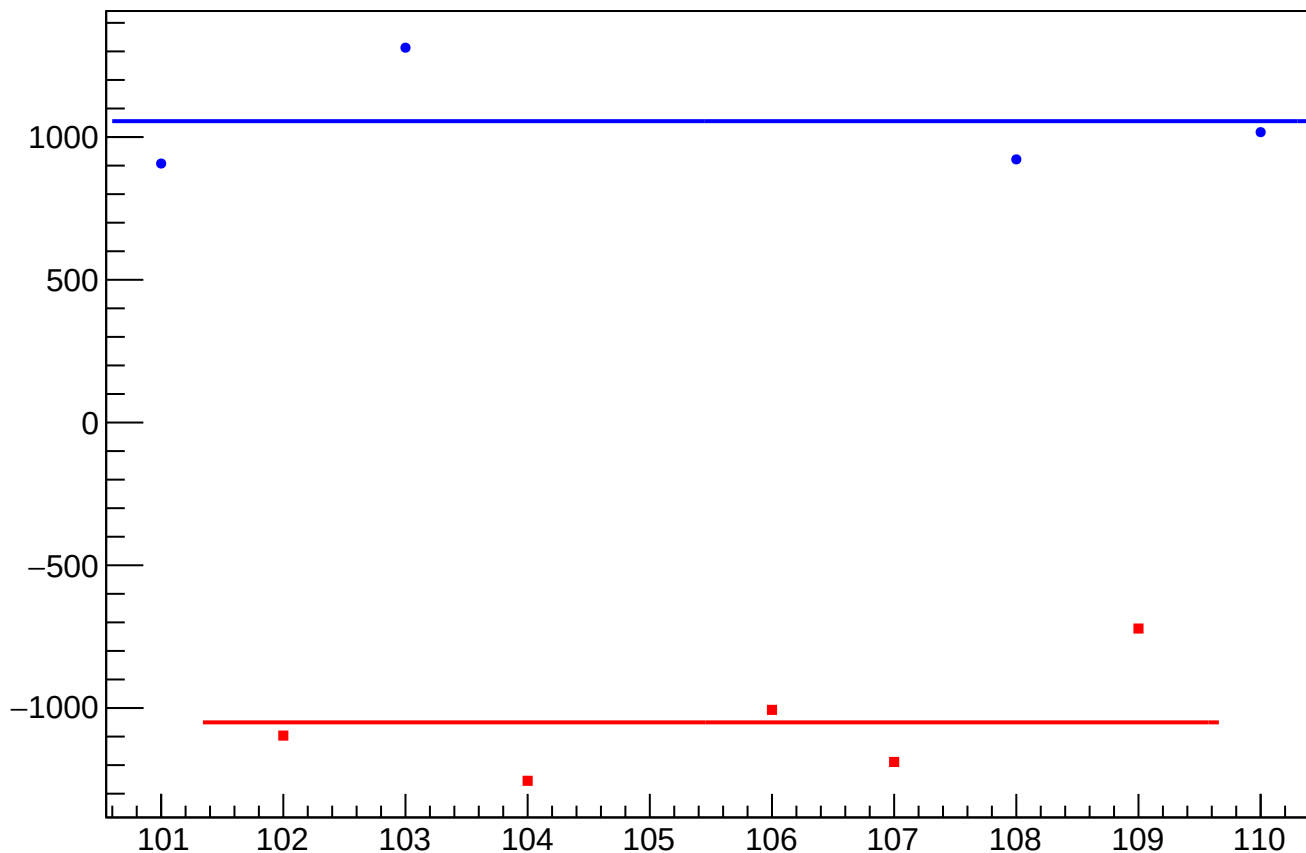
Right In: 240.932 $\pm$ 0.000  $\chi^2$ /NDF: 855286713878263165907437063470317568.0/3

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

Right Out: -185.205 $\pm$ 0.000  $\chi^2$ /NDF: 552322120308147511800037779223609344.0/4

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

dit\_sam1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

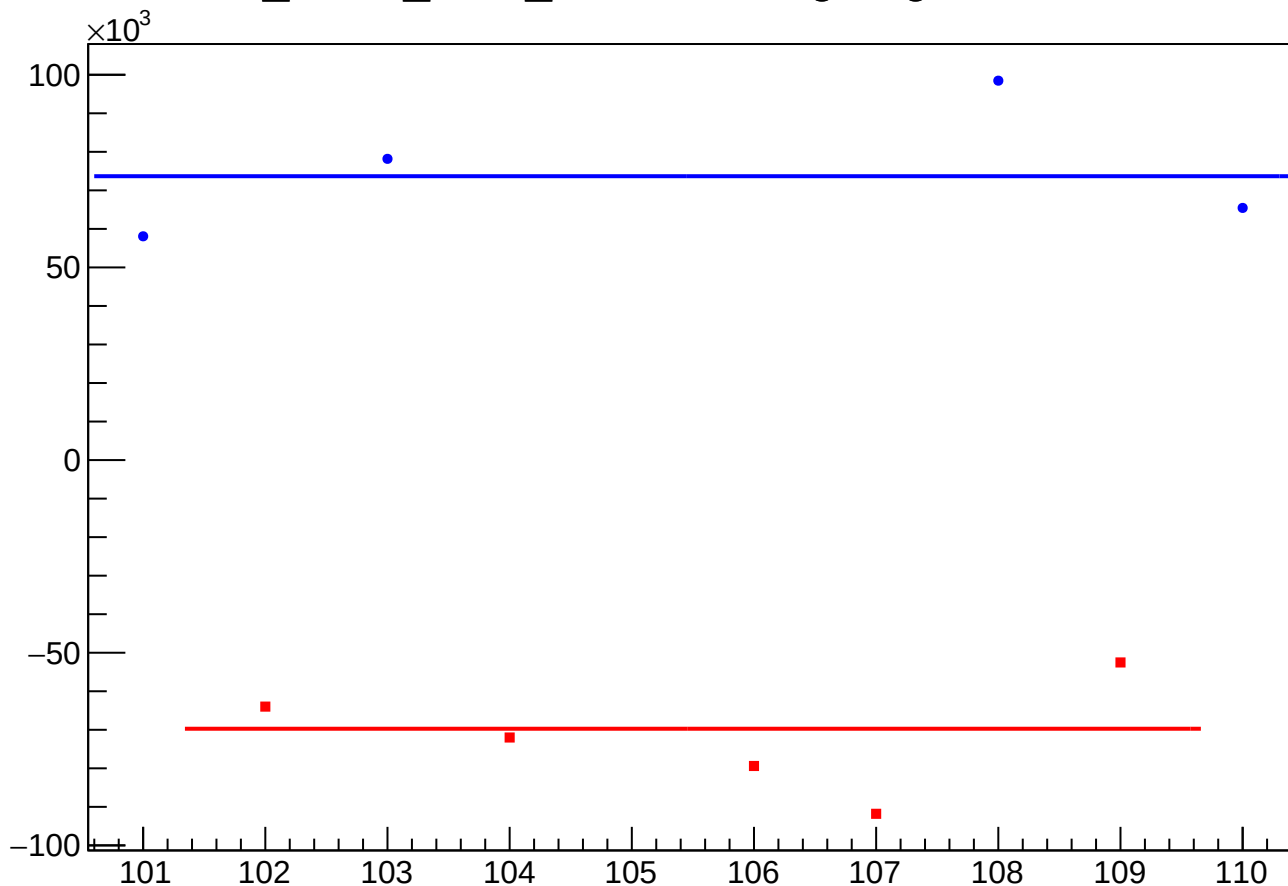
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

# dit\_sam2\_coil1\_mean vs Slug, Sign Corrected



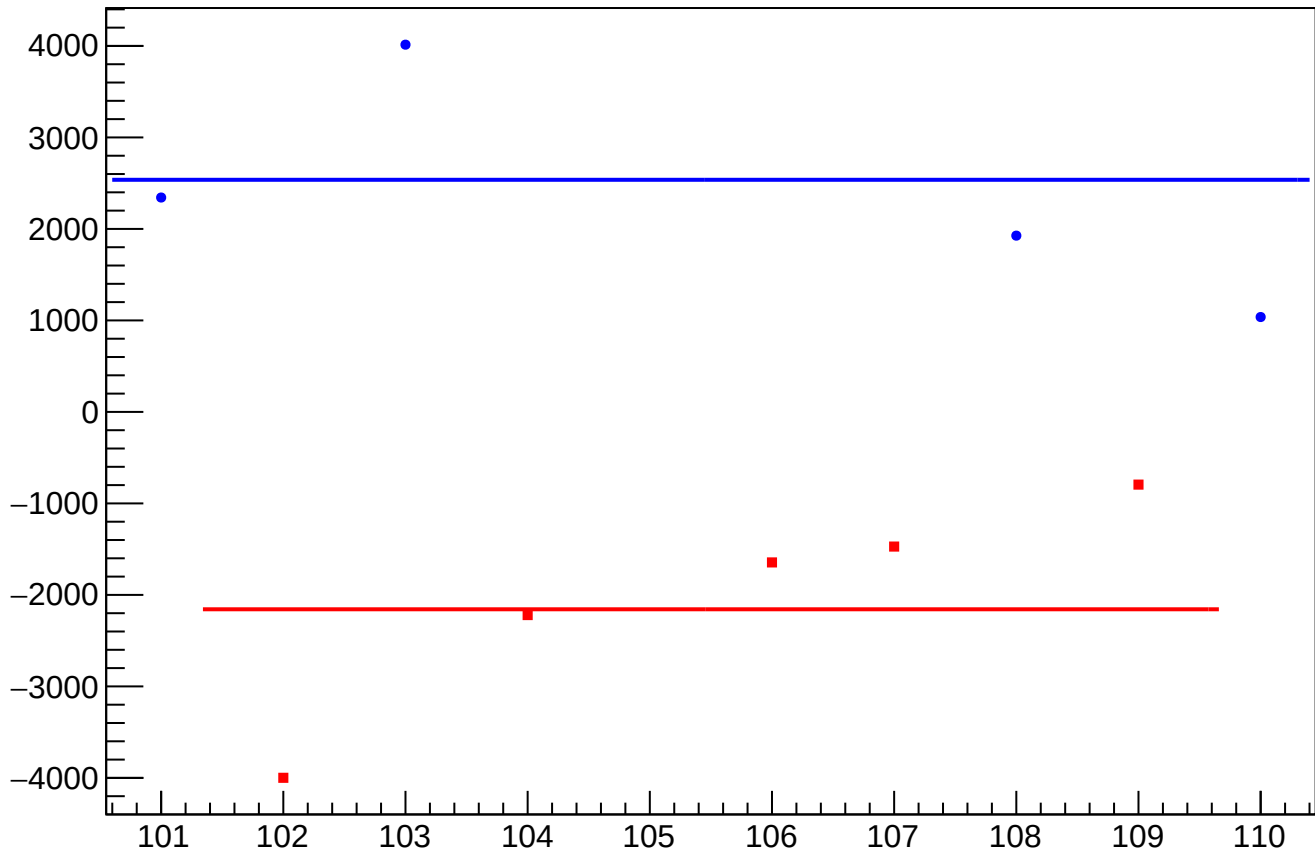
Right In: 73673.922+/-0.000  $\chi^2/\text{NDF}$ : 41279365481325421210060365858248975187968.0/3

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

Right Out: -69725.661+/-0.000  $\chi^2/\text{NDF}$ : 37712798368327586968962395129347452174336.0/4

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

dit\_sam2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 2536.975+/-0.000  $\chi^2/\text{NDF}$ : 223802384840294550727569155937177436160.0/3

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

2536.975+/-0.000  $\chi^2/\text{NDF}$ : 223802384840294550727569155937177436160.0/3

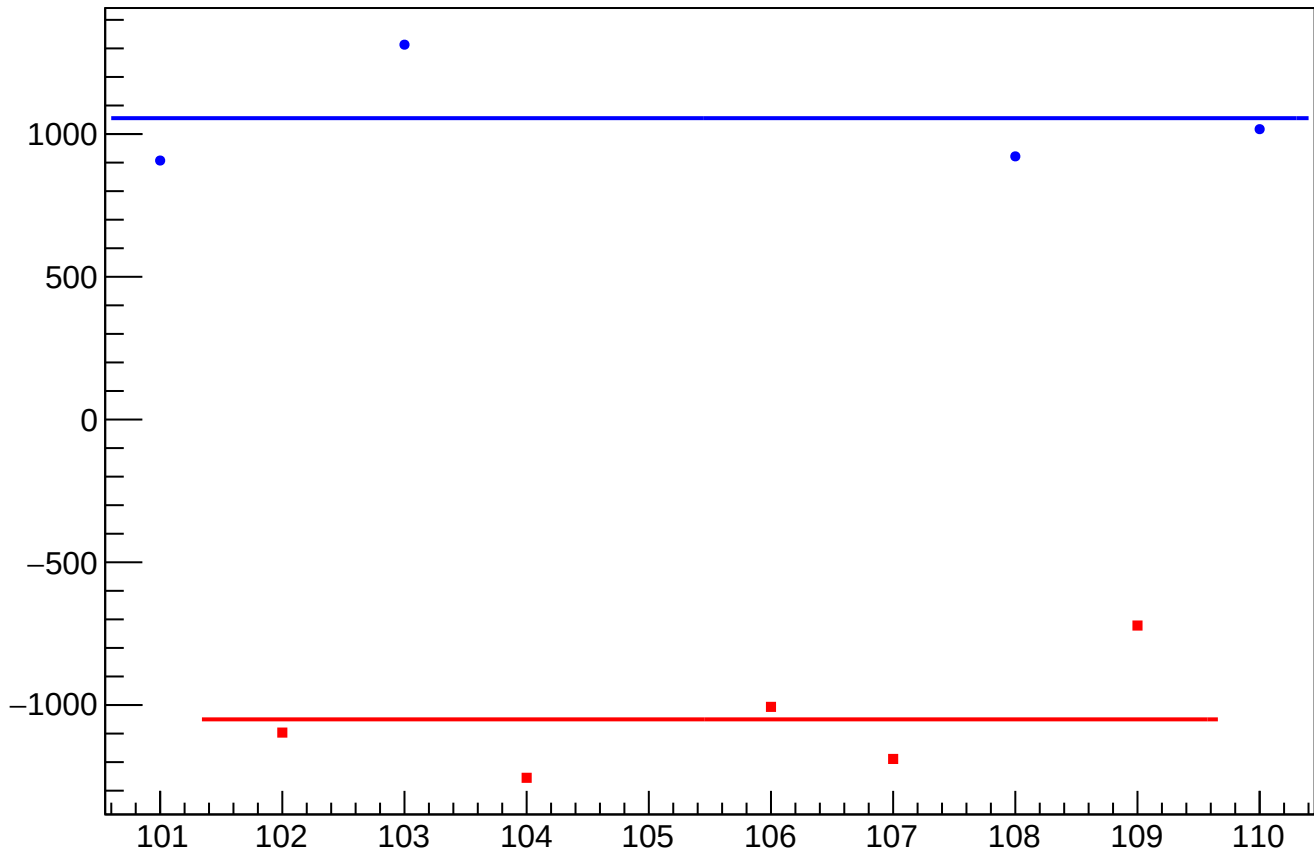
-12.250+/-0.000  $\chi^2/\text{NDF}$ : 2826092921079

Right Out: -2157.192+/-0.000  $\chi^2/\text{NDF}$ : 316691043054797083791906363721597845504.0/4

-2157.192+/-0.000  $\chi^2/\text{NDF}$ : 316691043054797083791906363721597845504.0/4

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

dit\_sam2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

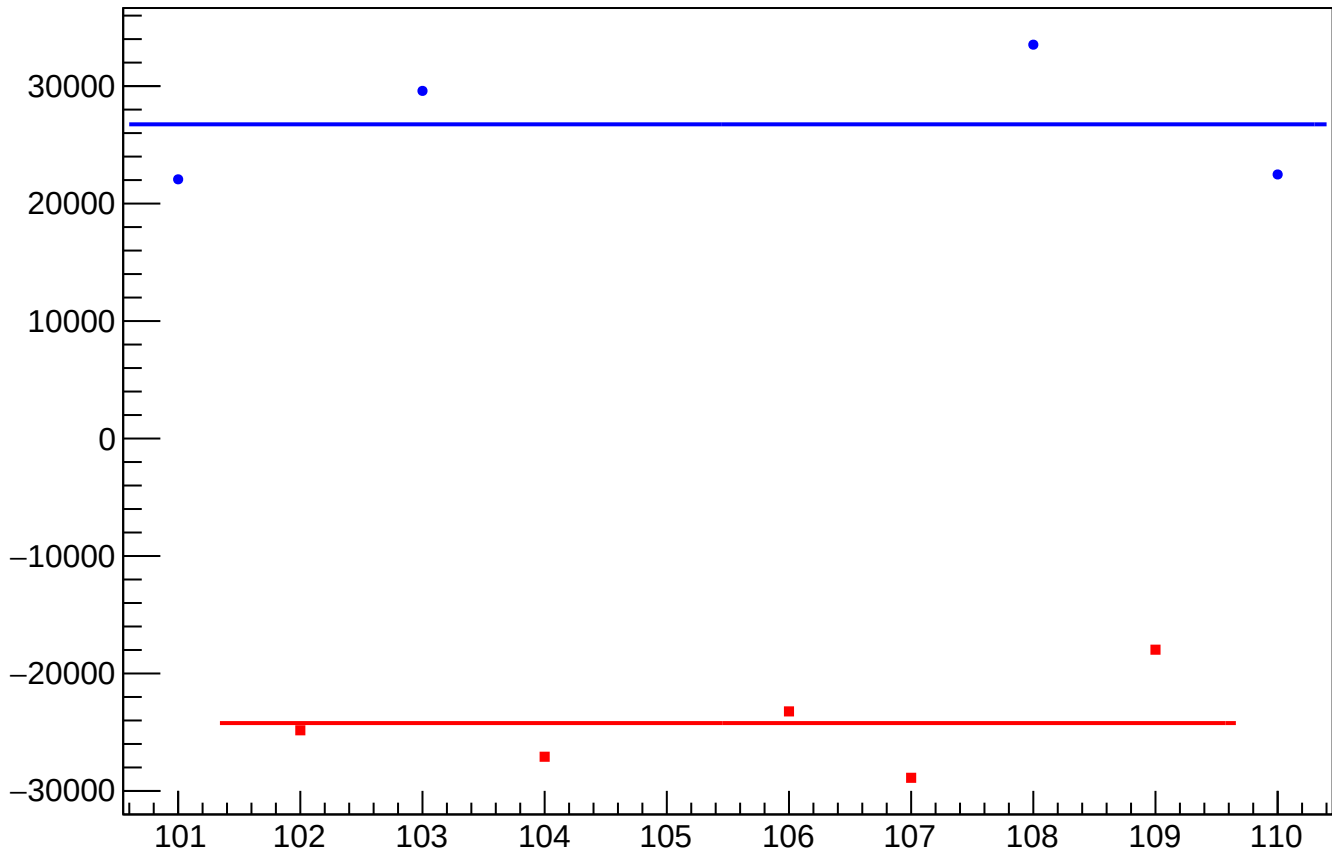
-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

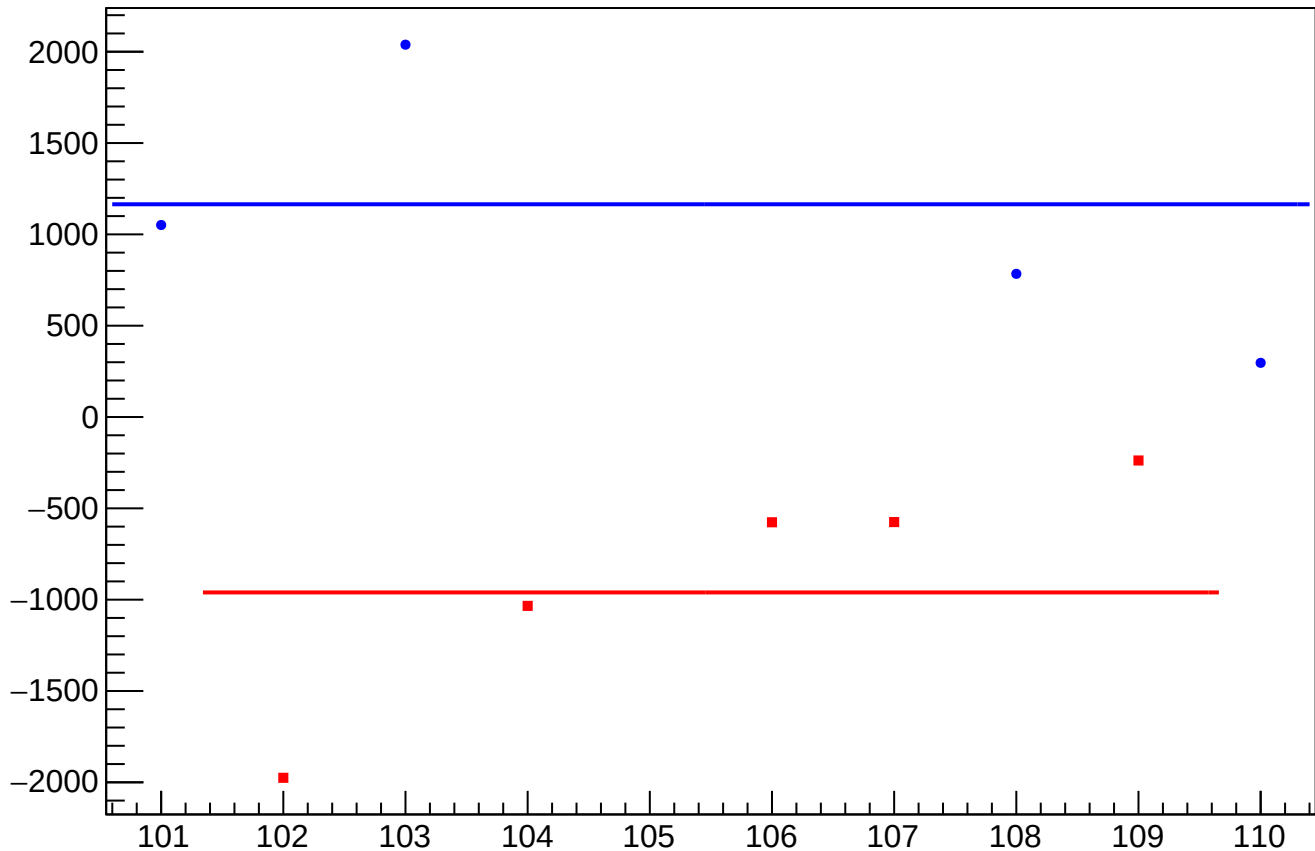
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil1\_mean vs Slug, Sign Corrected



Right In: 26746.194+/-0.000  $\chi^2/\text{NDF}$ : 4155453522313981291087723789726701846528.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -24221.687+/-0.000  $\chi^2/\text{NDF}$ : 3242620212538931924783267774299079966720.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1164.773+/-0.000  $\chi^2/\text{NDF}$ : 77699248560014361219215336064768016384.0/3

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

Right Out: -960.382+/-0.000  $\chi^2/\text{NDF}$ : 96544141652064592055142120707663593472.0/4

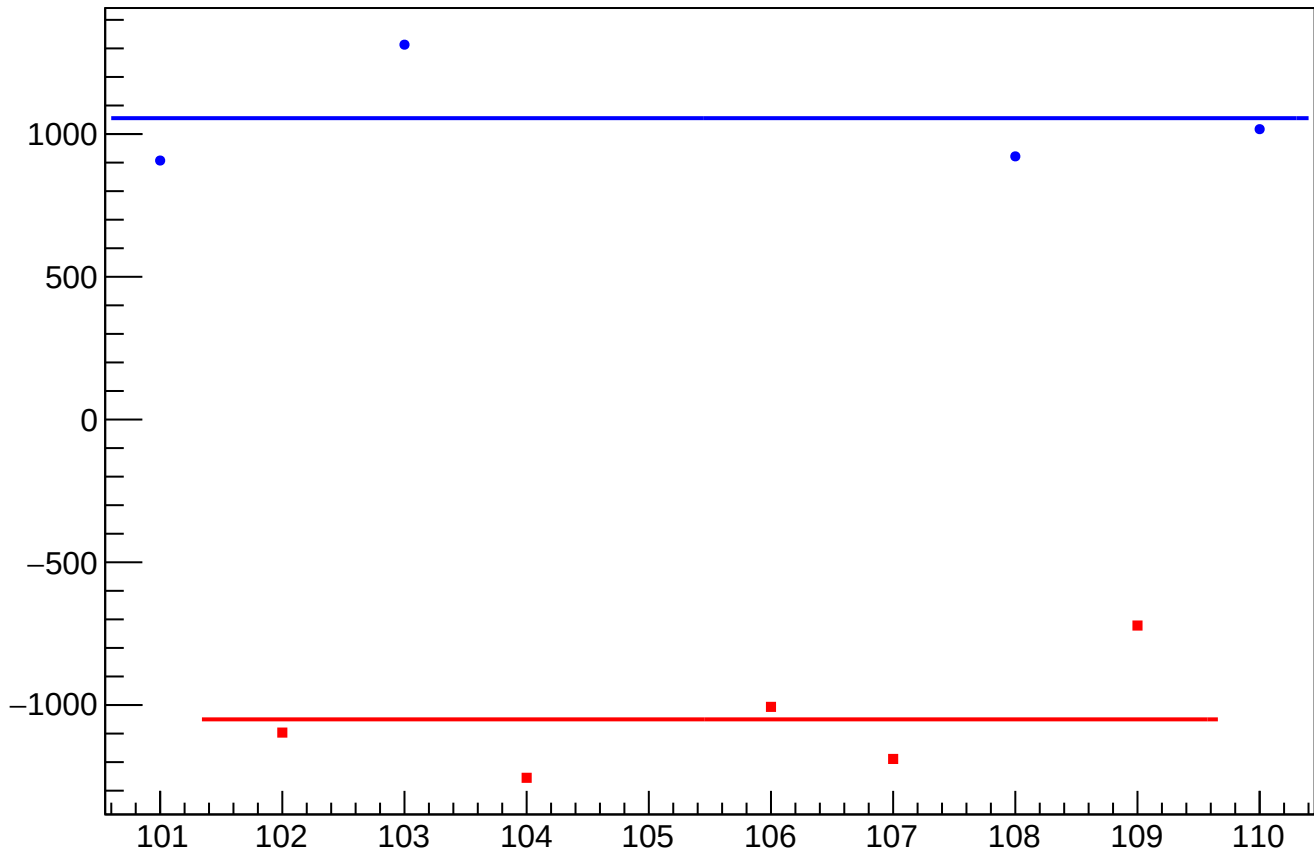
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1164.773+/-0.000  $\chi^2/\text{NDF}$ : 7769924856001436

10.682+/-0.000  $\chi^2/\text{NDF}$ : 6426942112925

-960.382+/-0.000  $\chi^2/\text{NDF}$ : 9654414165206459

dit\_sam3\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654 $\pm$ 0.000  $\chi^2$ /NDF: 5941614092659580479841175929482117120.0/3

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

1055.654 $\pm$ 0.000  $\chi^2$ /NDF: 5941614092659580

-87.967 $\pm$ 0.000  $\chi^2$ /NDF: 474452567832

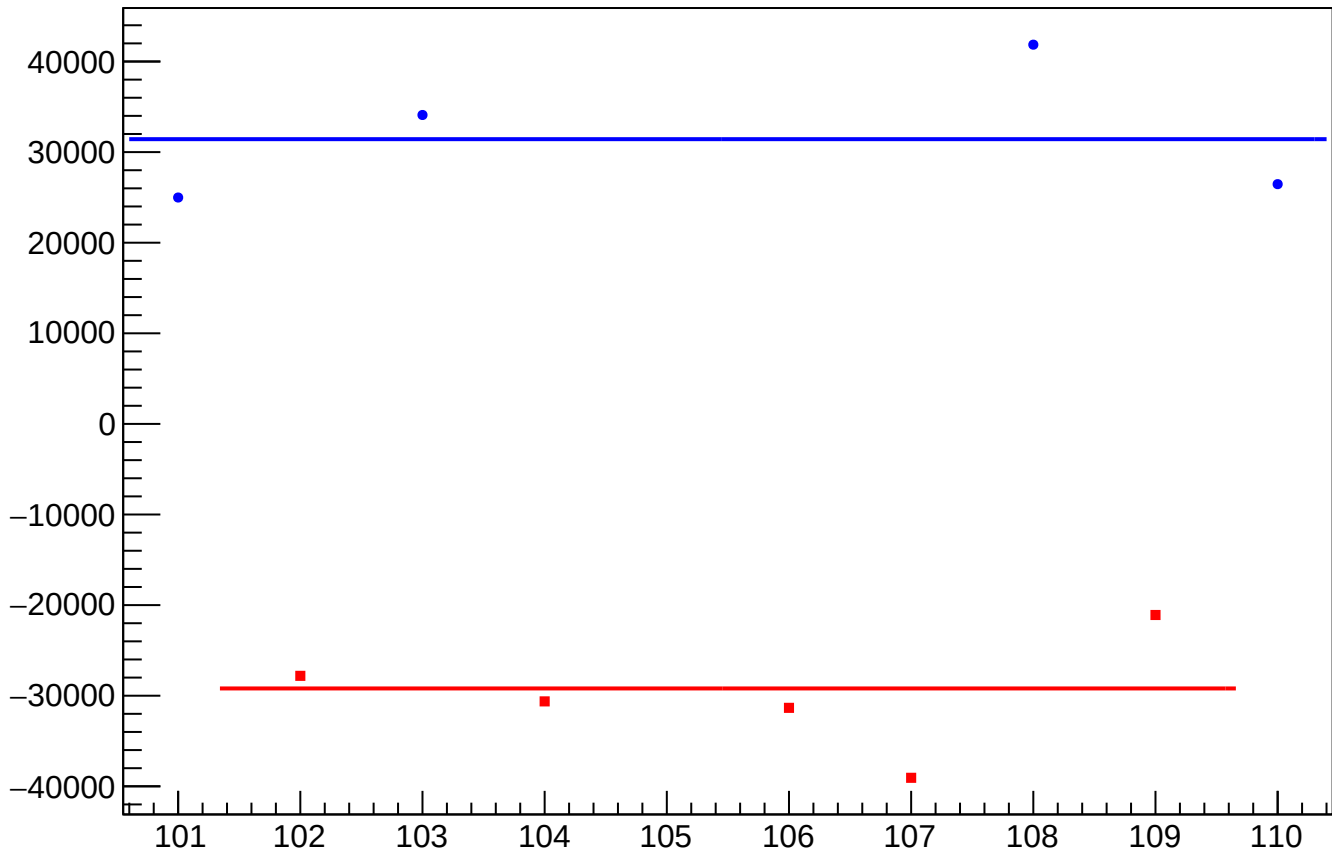
Right Out: -1050.220 $\pm$ 0.000  $\chi^2$ /NDF: 8521364389373784472704244982095020032.0/4

-1050.220 $\pm$ 0.000  $\chi^2$ /NDF: 852136438937378

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

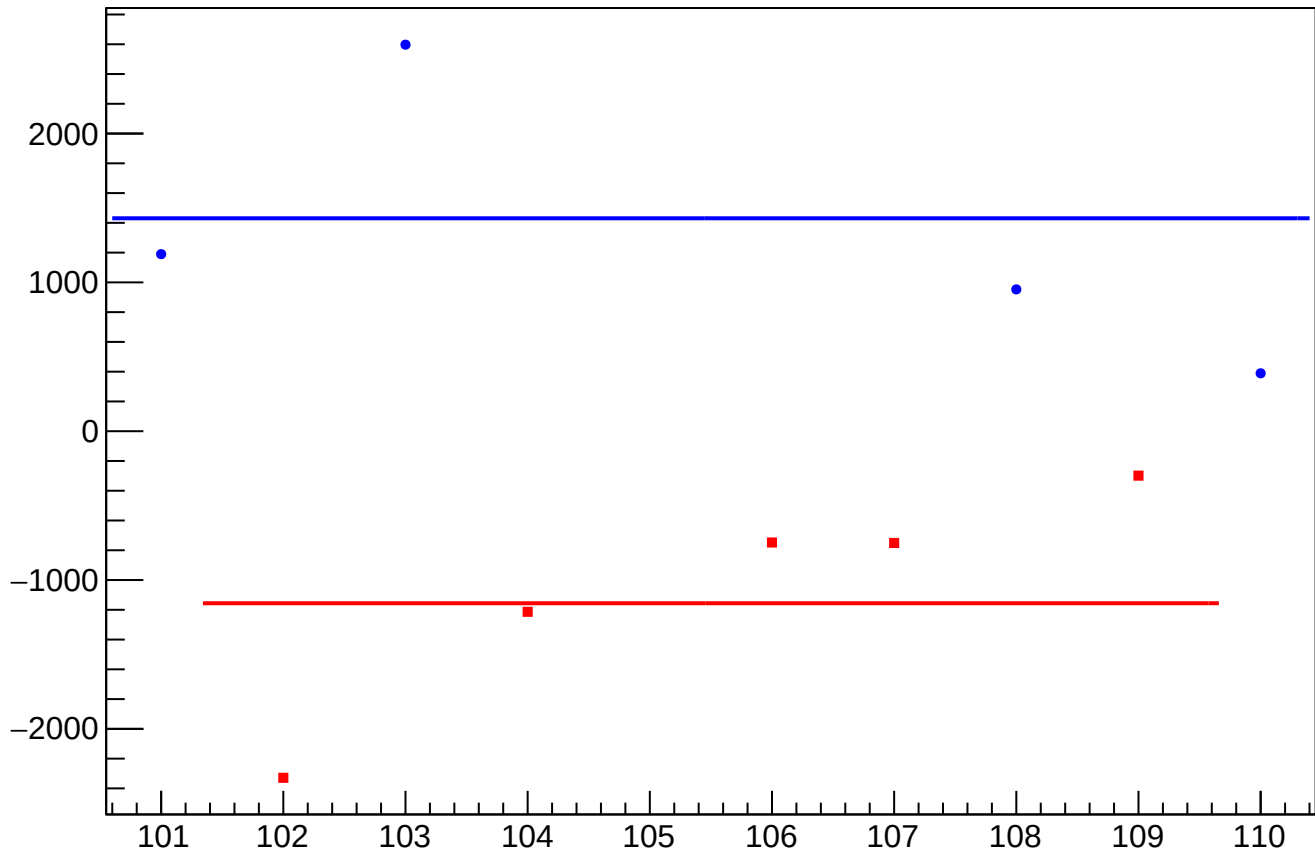


dit\_sam4\_coil1\_mean vs Slug, Sign Corrected



Right In: 31428.512+/-0.000  $\chi^2/\text{NDF}$ : 7864061884183775019553985425788635185152.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -29198.908+/-0.000  $\chi^2/\text{NDF}$ : 7211582410886242274696875462790450511872.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1430.708+/-0.000  $\chi^2/\text{NDF}$ : 130355853965587440292343647971884138496.0/3

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

Right Out: -1156.001+/-0.000  $\chi^2/\text{NDF}$ : 128511319209066289072008218024502886400.0/4

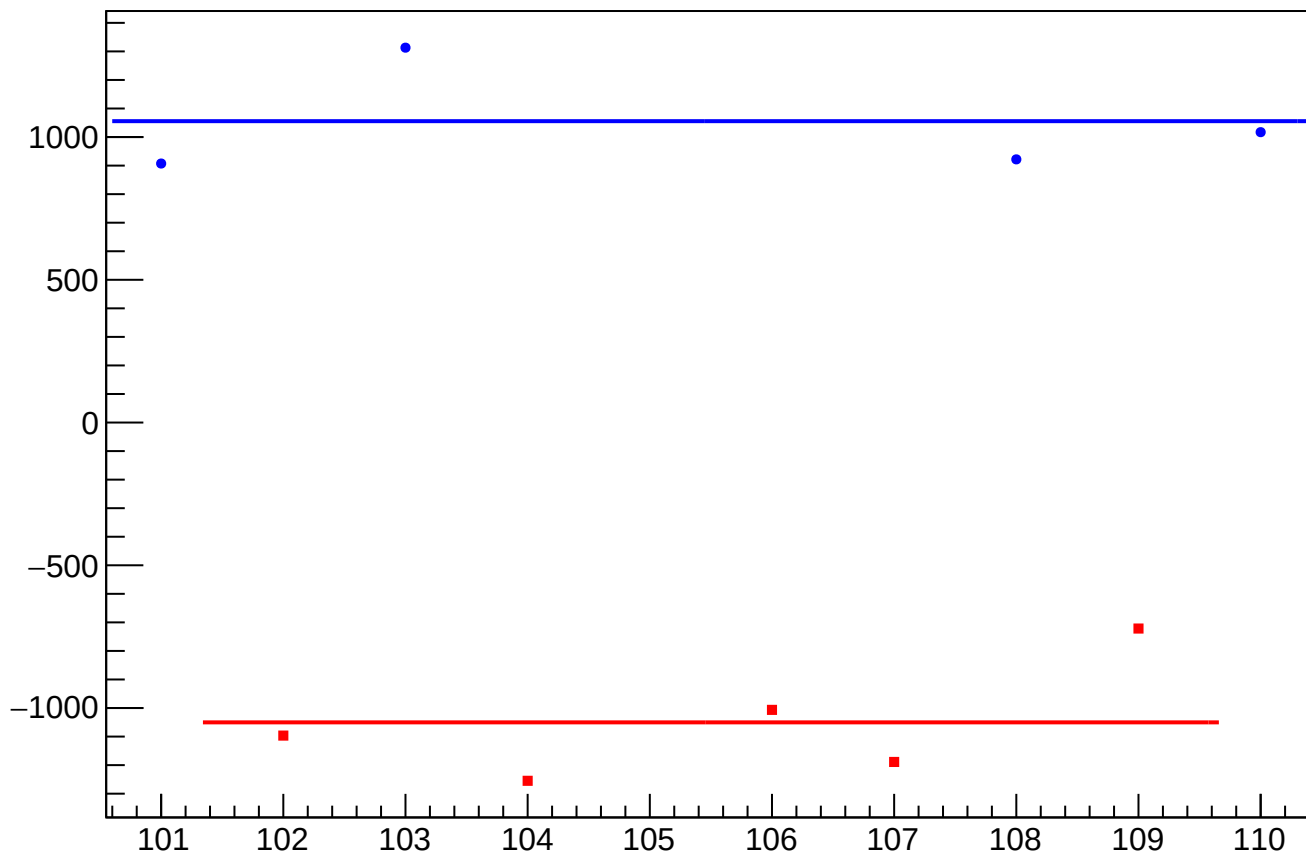
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1430.708+/-0.000  $\chi^2/\text{NDF}$ : 1303558539655874

25.964+/-0.000  $\chi^2/\text{NDF}$ : 9528969568200

-1156.001+/-0.000  $\chi^2/\text{NDF}$ : 128511319209066

dit\_sam4\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

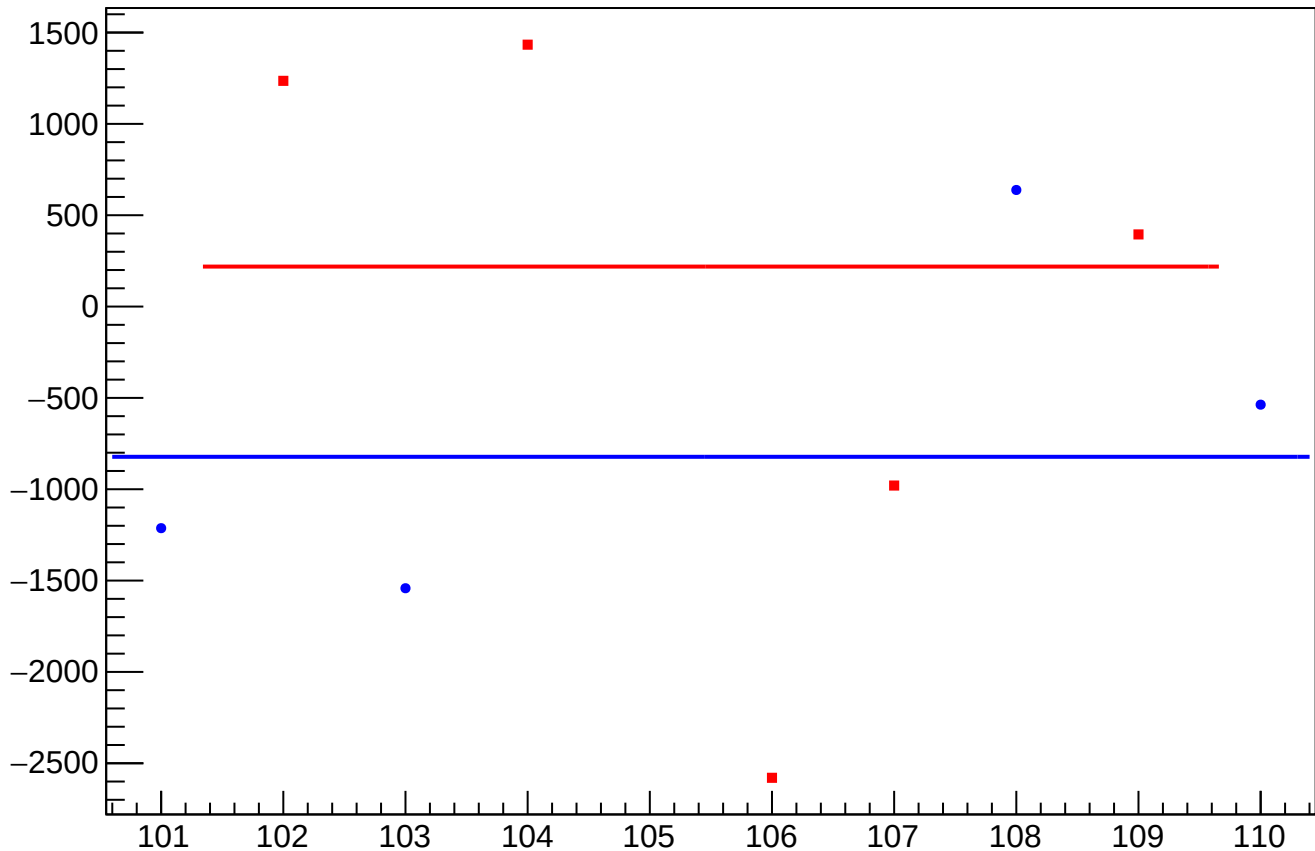
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

# dit\_sam5\_coil1\_mean vs Slug, Sign Corrected



Right In: -822.417+/-0.000  $\chi^2/\text{NDF}$ : 123462453971596720065737648479699730432.0/3

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

-822.417+/-0.000  $\chi^2/\text{NDF}$ : 1234624539715967

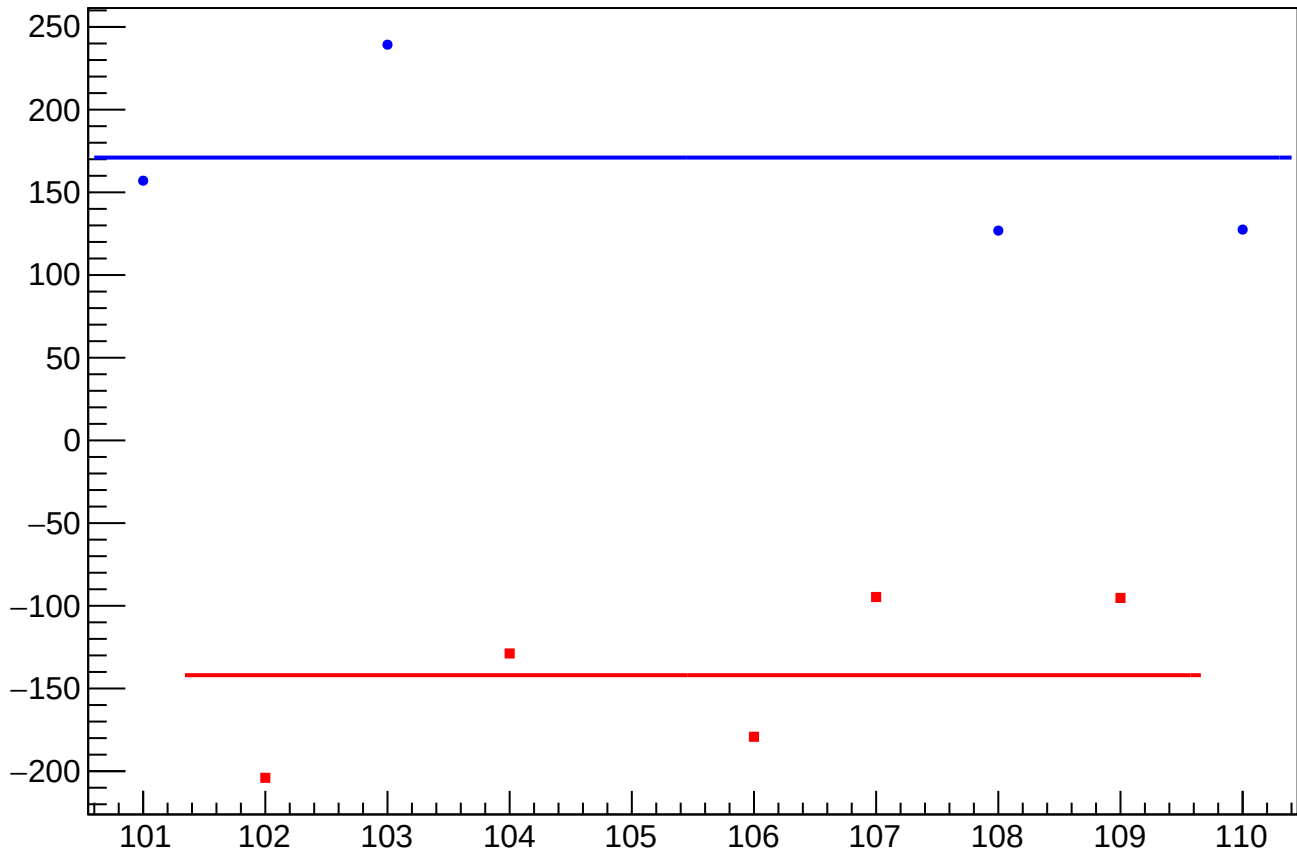
-256.941+/-0.000  $\chi^2/\text{NDF}$ : 66720499064

Right Out: 218.856+/-0.000  $\chi^2/\text{NDF}$ : 431278733930776413740192698620687941632.0/4

218.856+/-0.000  $\chi^2/\text{NDF}$ : 4312787339307764

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

dit\_sam5\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 171.025+/-0.000  $\chi^2/\text{NDF}$ : 426959452512556092410926781173858304.0/3

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

171.025+/-0.000  $\chi^2/\text{NDF}$ : 426959452512556092410926781173858304.0/3

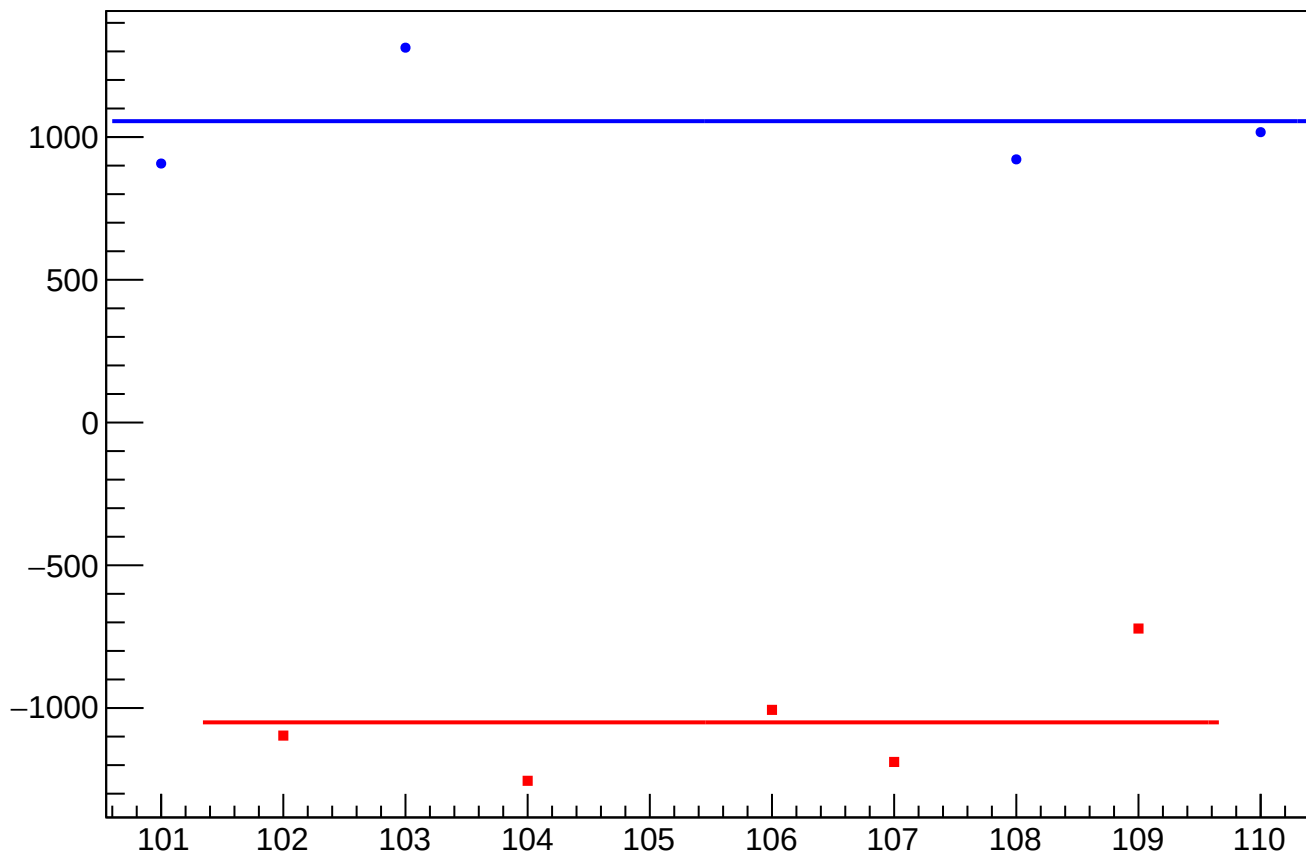
1.060+/-0.000  $\chi^2/\text{NDF}$ : 11053989157595

Right Out: -141.950+/-0.000  $\chi^2/\text{NDF}$ : 466778652820809451722322868921434112.0/4

-141.950+/-0.000  $\chi^2/\text{NDF}$ : 466778652820809451722322868921434112.0/4

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

dit\_sam5\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654 $\pm$ 0.000  $\chi^2$ /NDF: 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220 $\pm$ 0.000  $\chi^2$ /NDF: 8521364389373784472704244982095020032.0/4

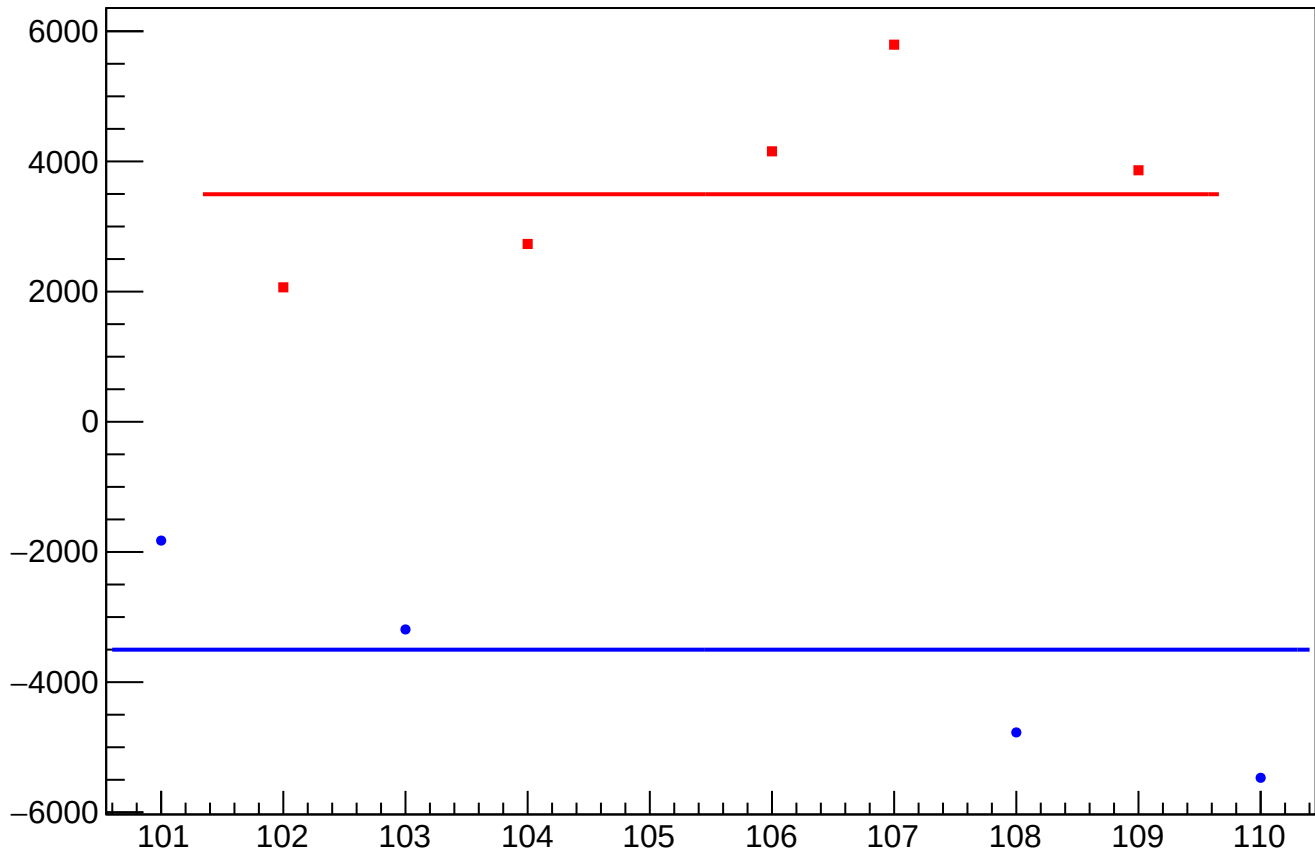
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1055.654 $\pm$ 0.000  $\chi^2$ /NDF: 5941614092659580

-87.967 $\pm$ 0.000  $\chi^2$ /NDF: 474452567832

-1050.220 $\pm$ 0.000  $\chi^2$ /NDF: 852136438937378

dit\_sam6\_coil1\_mean vs Slug, Sign Corrected



Right In: -3500.841+/-0.000  $\chi^2/\text{NDF}$ : 368448604441369540919769547160802033664.0/3

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

Right Out: 3495.990+/-0.000  $\chi^2/\text{NDF}$ : 358856814411248027189480206046964219904.0/4

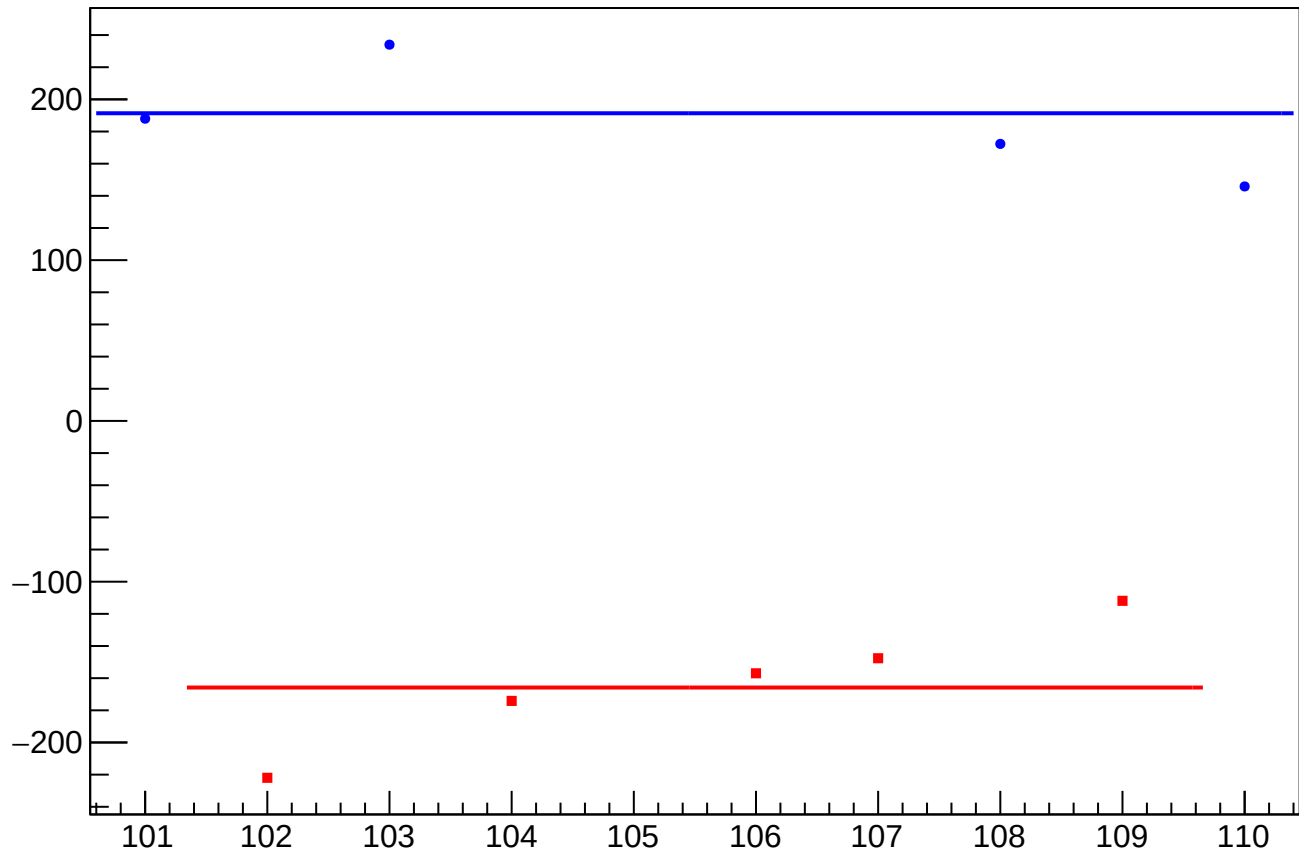
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3500.841+/-0.000  $\chi^2/\text{NDF}$ : 368448604441369

298.873+/-0.000  $\chi^2/\text{NDF}$ : 580522265583

3495.990+/-0.000  $\chi^2/\text{NDF}$ : 3588568144112480

dit\_sam6\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 191.363+/-0.000  $\chi^2/\text{NDF}$ : 194342069760140107353765999162687488.0/3

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

Right Out: -165.822+/-0.000  $\chi^2/\text{NDF}$ : 349071939952589898856460039137263616.0/4

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

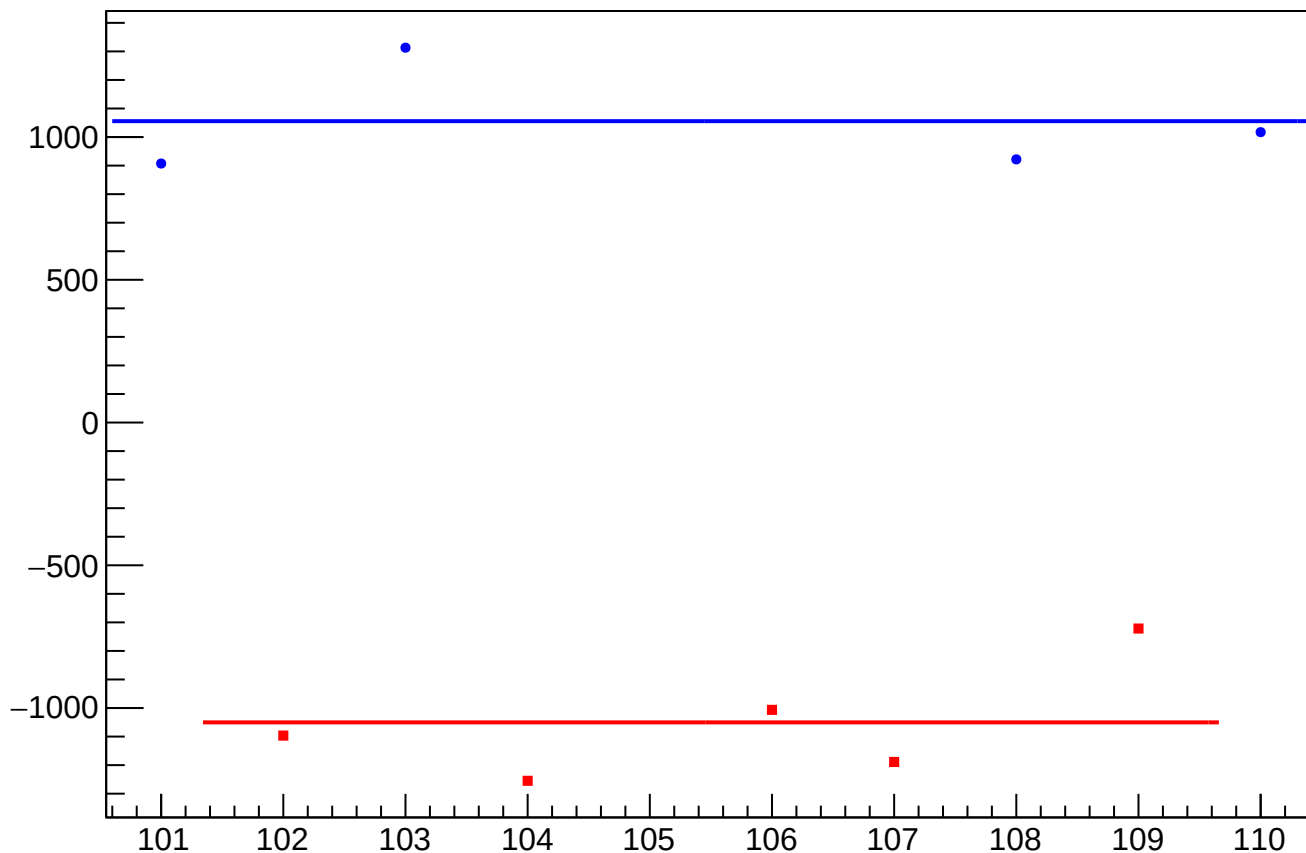
191.363+/-0.000  $\chi^2/\text{NDF}$ : 194342069760140107353765999162687488.0/3

-2.611+/-0.000  $\chi^2/\text{NDF}$ : 13776722296520.0/3

-165.822+/-0.000  $\chi^2/\text{NDF}$ : 349071939952589898856460039137263616.0/4



dit\_sam6\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

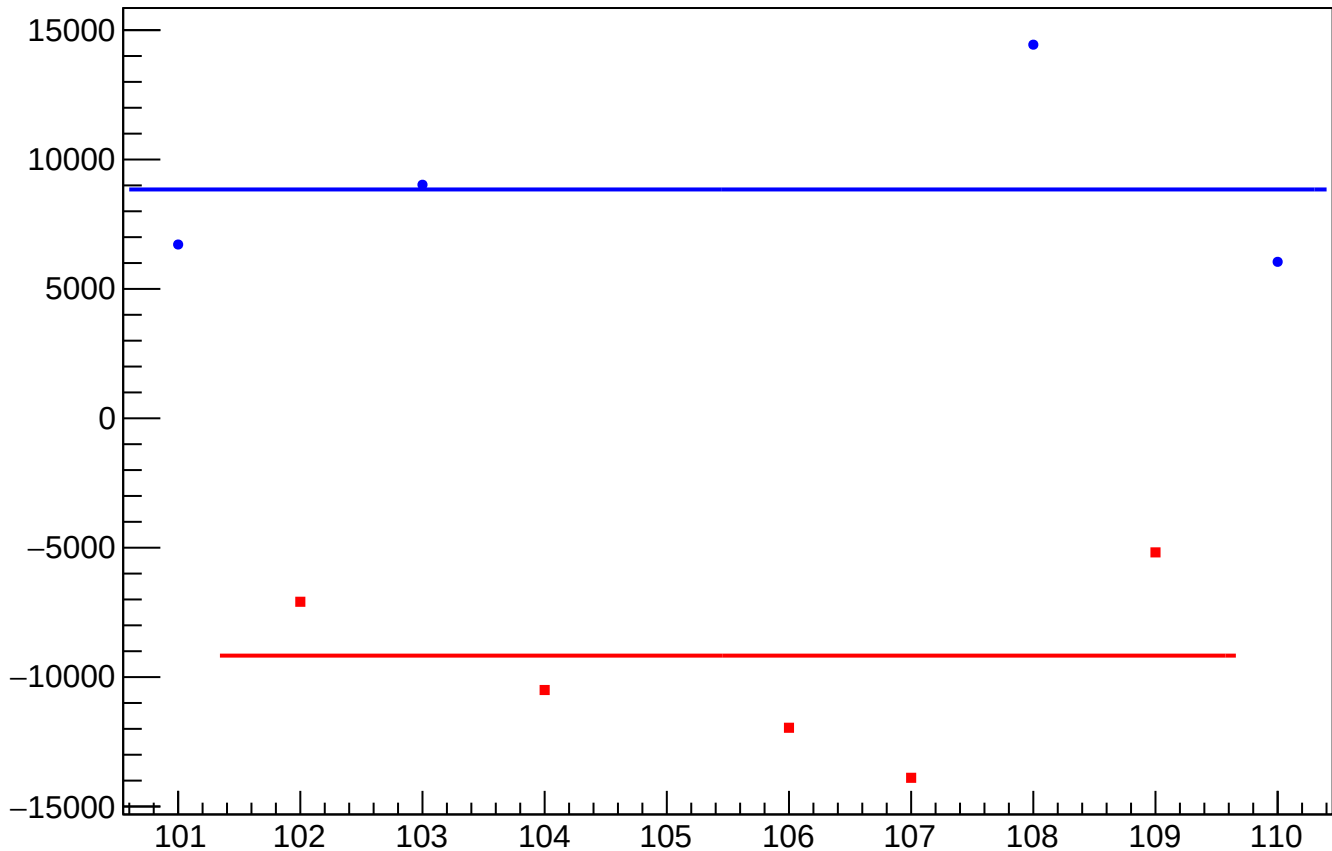
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

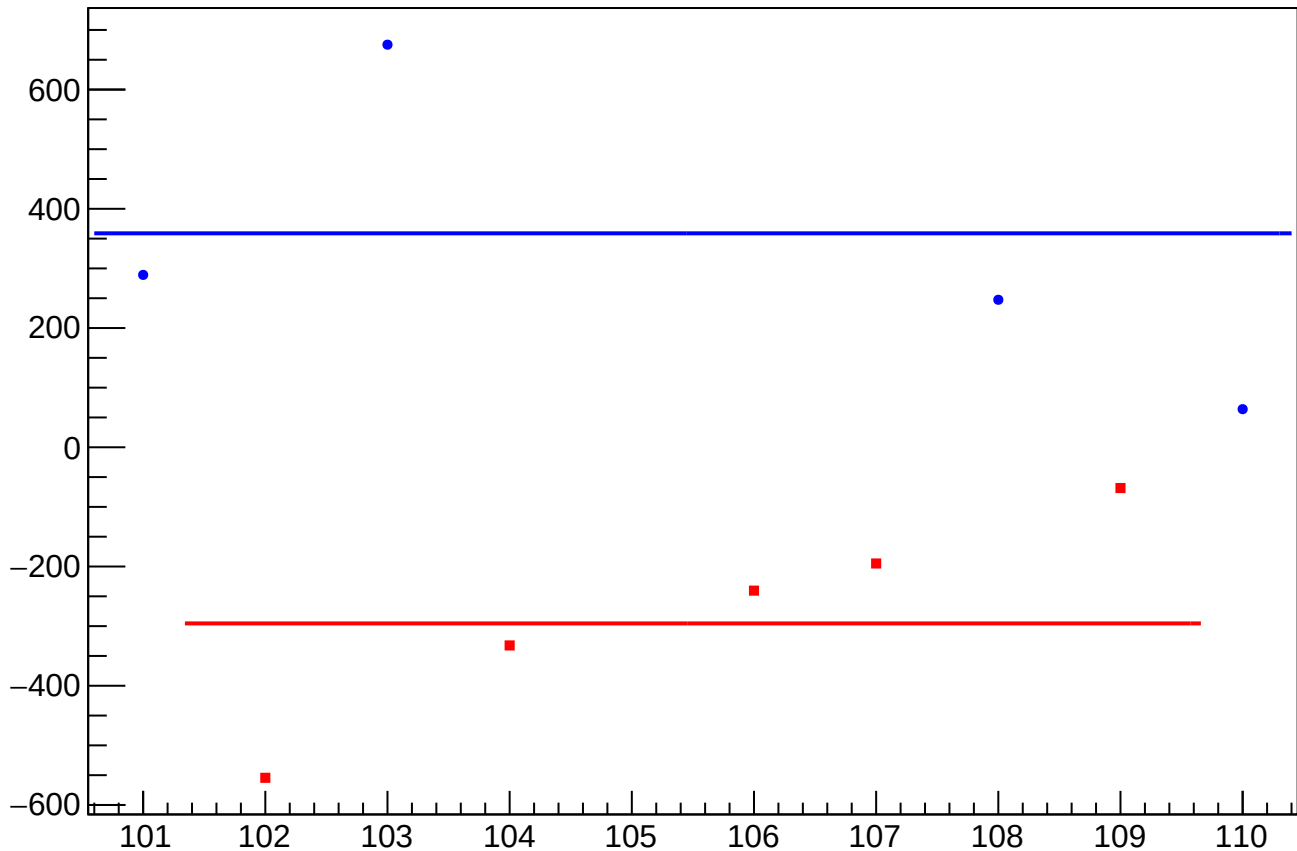
-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

dit\_sam7\_coil1\_mean vs Slug, Sign Corrected



Right In: 8843.129+/-0.000  $\chi^2/\text{NDF}$ : 1732130761568287340802237828949650440192.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -9170.070+/-0.000  $\chi^2/\text{NDF}$ : 2196141509377062705358254966953645965312.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil1\_err\_mean vs Slug, Sign Corrected



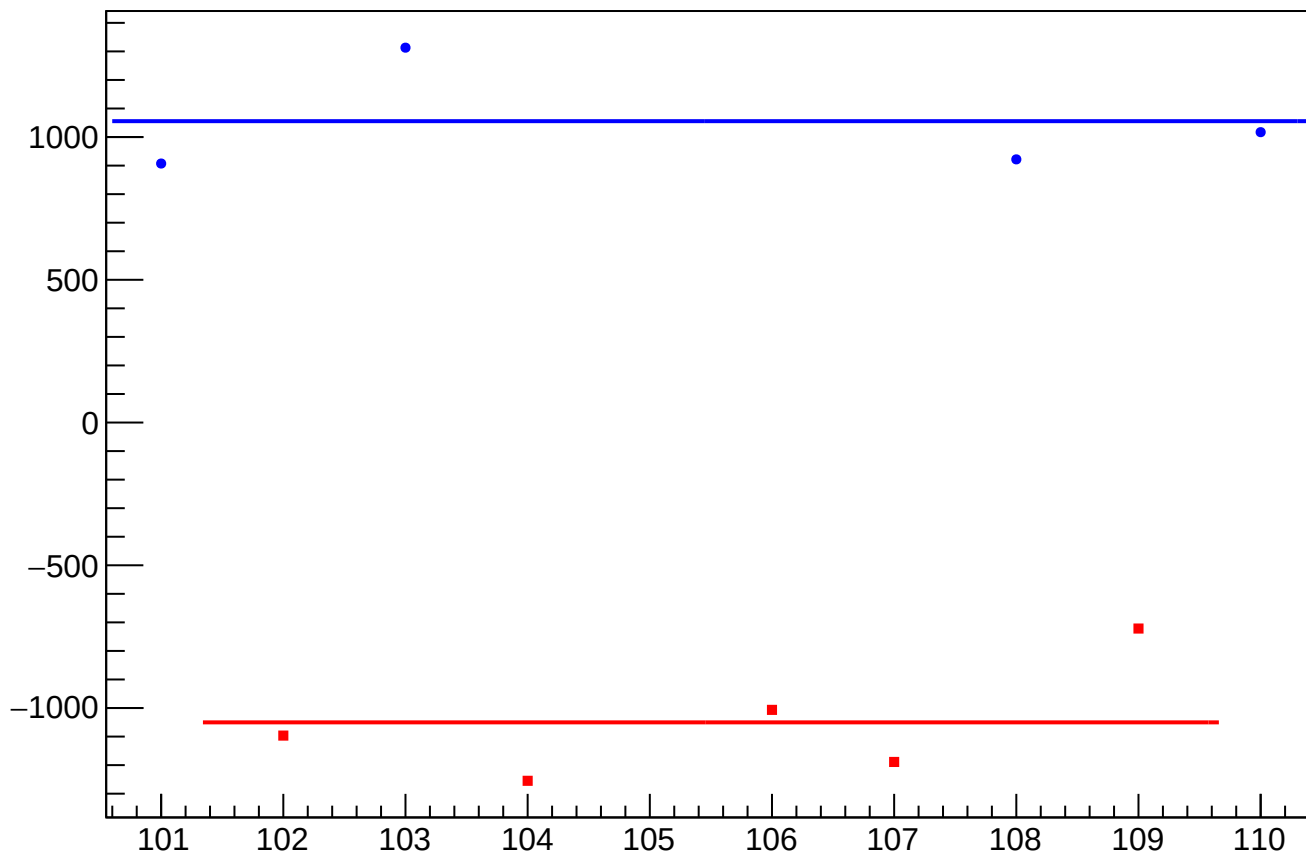
Right In: 358.851+/-0.000  $\chi^2/\text{NDF}$ : 9711122537580201406214398843847442432.0/3

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

Right Out: -295.436+/-0.000  $\chi^2/\text{NDF}$ : 7045878887143226566799818564145512448.0/4

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

dit\_sam7\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654 $\pm$ 0.000  $\chi^2$ /NDF: 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220 $\pm$ 0.000  $\chi^2$ /NDF: 8521364389373784472704244982095020032.0/4

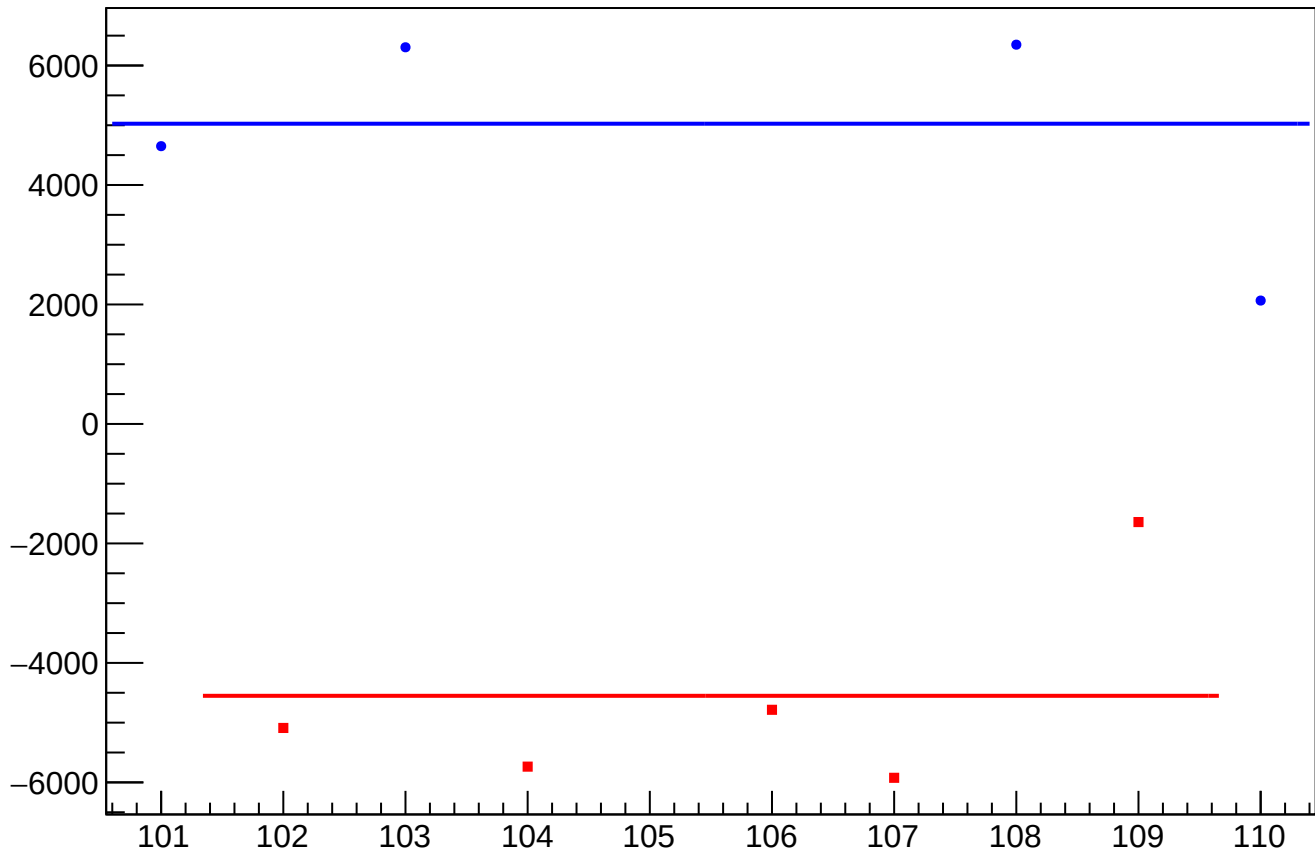
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1055.654 $\pm$ 0.000  $\chi^2$ /NDF: 5941614092659580

-87.967 $\pm$ 0.000  $\chi^2$ /NDF: 474452567832

-1050.220 $\pm$ 0.000  $\chi^2$ /NDF: 852136438937378

# dit\_sam8\_coil1\_mean vs Slug, Sign Corrected



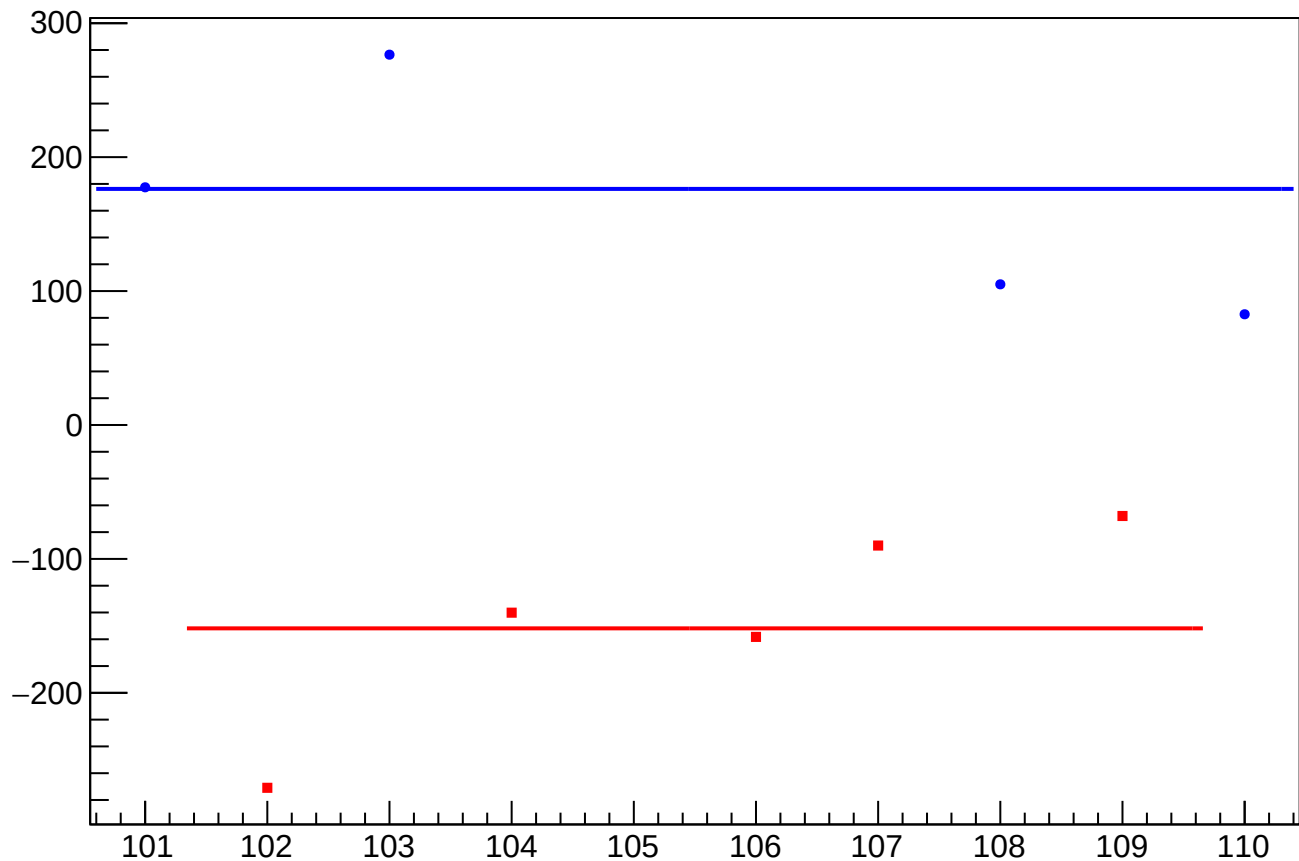
Right In: 5025.646+/-0.000  $\chi^2/\text{NDF}$ : 478150742485891680503978776757186592768.0/3

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

Right Out: -4550.784+/-0.000  $\chi^2/\text{NDF}$ : 589418266738910233813174416131510763520.0/4

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

dit\_sam8\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 176.282 $\pm$ 0.000  $\chi^2$ /NDF: 1092386481975999361261978628099407872.0/3

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

Right Out: -151.853 $\pm$ 0.000  $\chi^2$ /NDF: 1326955094908357643184293499543486464.0/4

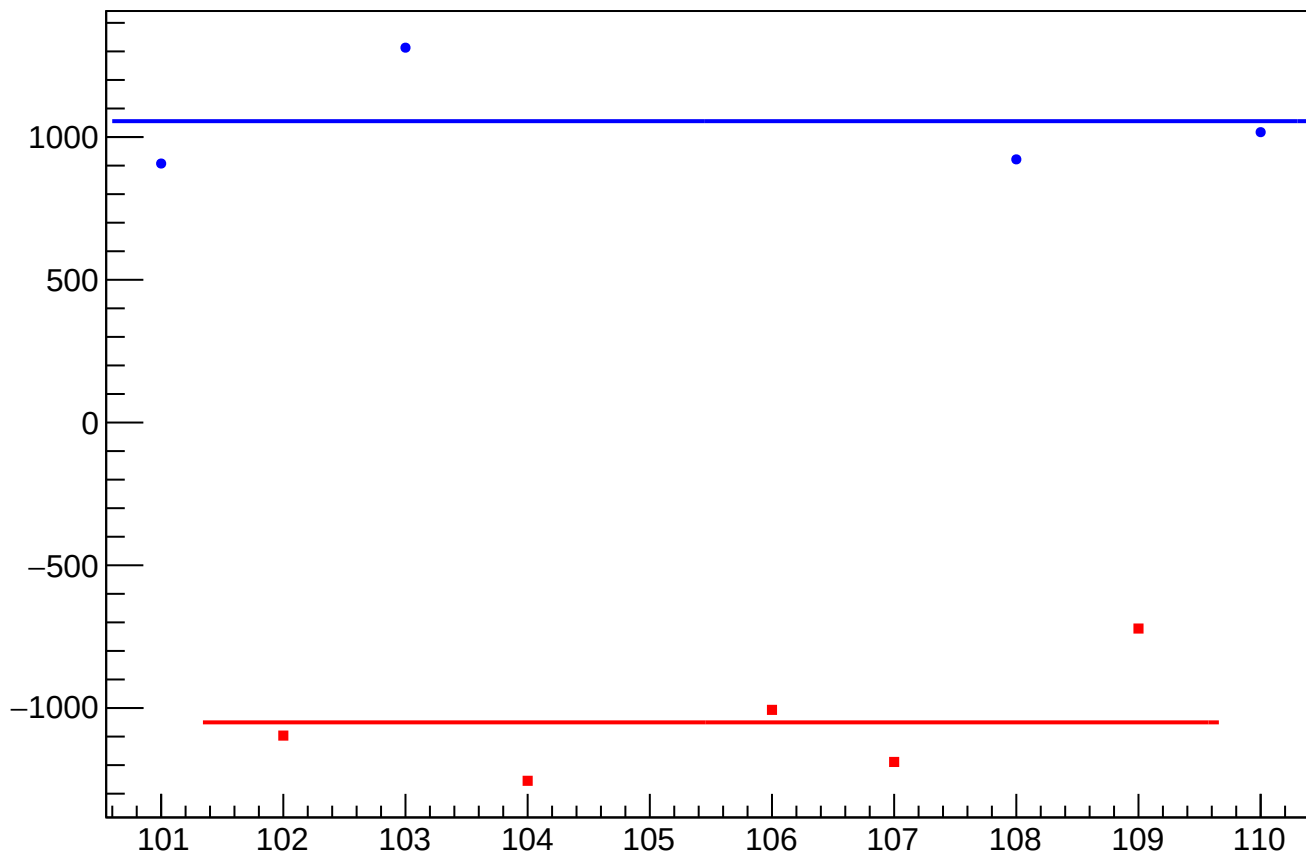
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

176.282 $\pm$ 0.000  $\chi^2$ /NDF: 1092386481975999361261978628099407872.0/3

-1.916 $\pm$ 0.000  $\chi^2$ /NDF: 13587617562653.0/3

-151.853 $\pm$ 0.000  $\chi^2$ /NDF: 1326955094908357643184293499543486464.0/4

dit\_sam8\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580479841175929482117120.0/3

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

Right Out: -1050.220+/-0.000  $\chi^2/\text{NDF}$ : 8521364389373784472704244982095020032.0/4

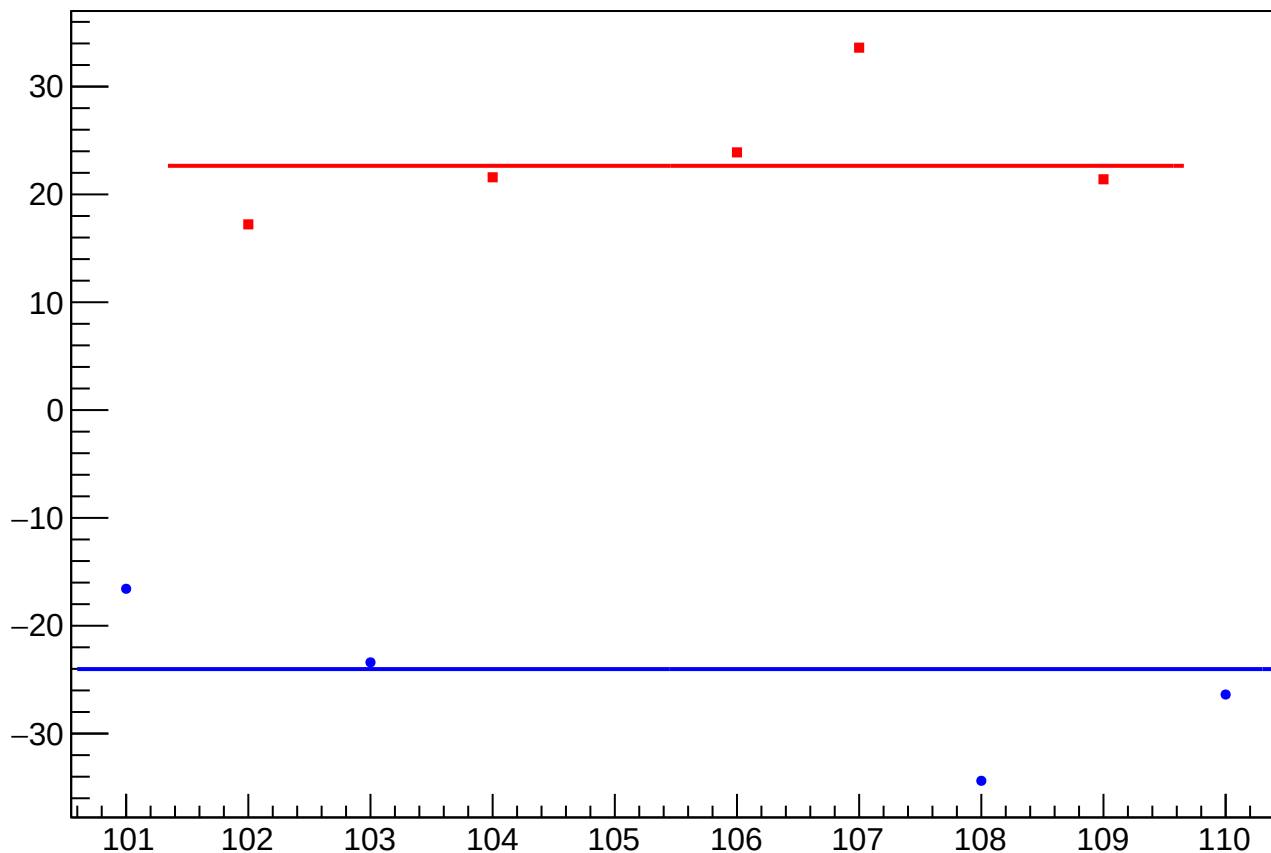
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1055.654+/-0.000  $\chi^2/\text{NDF}$ : 5941614092659580

-87.967+/-0.000  $\chi^2/\text{NDF}$ : 474452567832

-1050.220+/-0.000  $\chi^2/\text{NDF}$ : 852136438937378

# dit\_4aX\_coil3\_mean vs Slug, Sign Corrected



Right In: -24.020+/-0.000  $\chi^2/\text{NDF}$ : 7568708595760199618054354355879936.0/3

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

Right Out: 22.653+/-0.000  $\chi^2/\text{NDF}$ : 6216458480320020604036751764226048.0/4

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

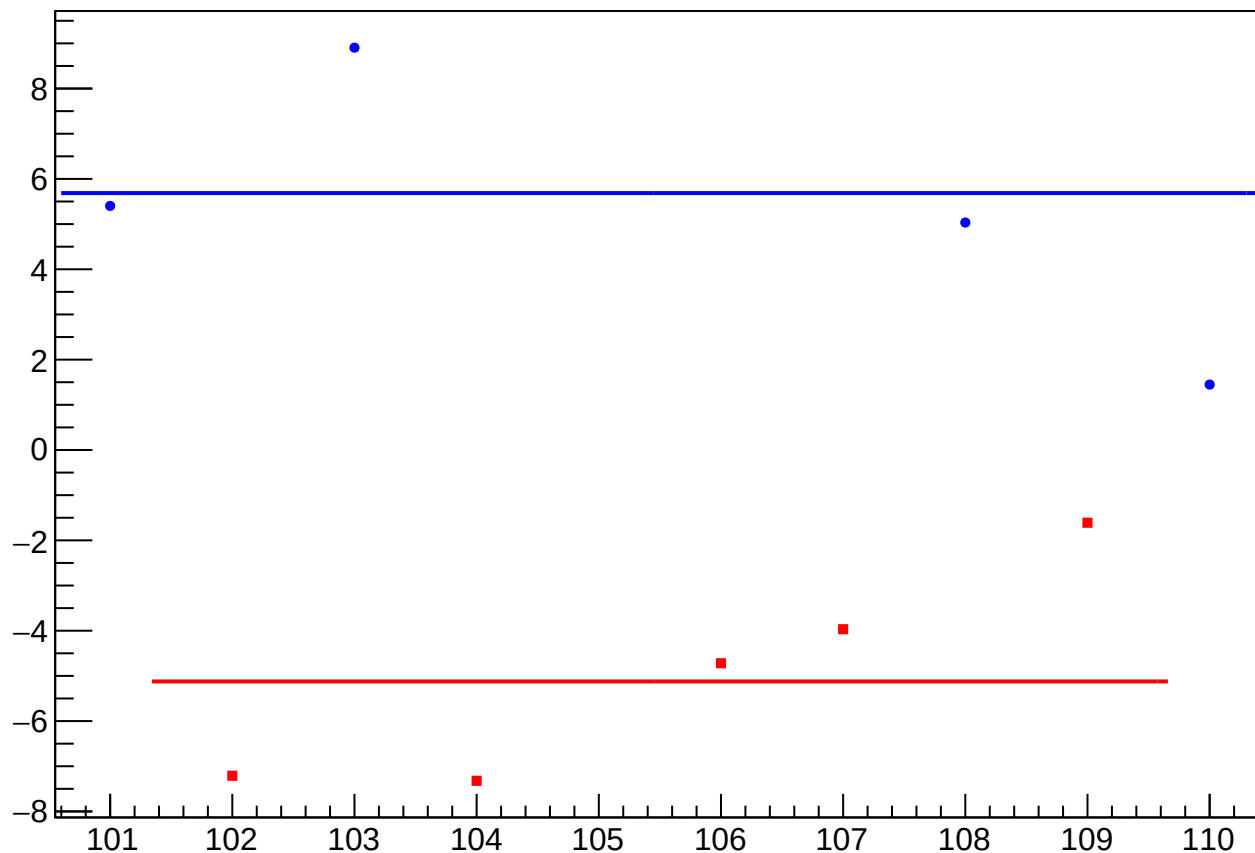
-24.020+/-0.000  $\chi^2/\text{NDF}$ : 7568708595760199618054354355879936.0/3

1.326+/-0.000  $\chi^2/\text{NDF}$ : 23973986448291.0/4

22.653+/-0.000  $\chi^2/\text{NDF}$ : 6216458480320020604036751764226048.0/4



dit\_4aX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 5.686 $\pm$ 0.000  $\chi^2$ /NDF: 1260817464380465195488697529663488.0/3

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

Right Out: -5.123 $\pm$ 0.000  $\chi^2$ /NDF: 1181781100043680499242338674016256.0/4

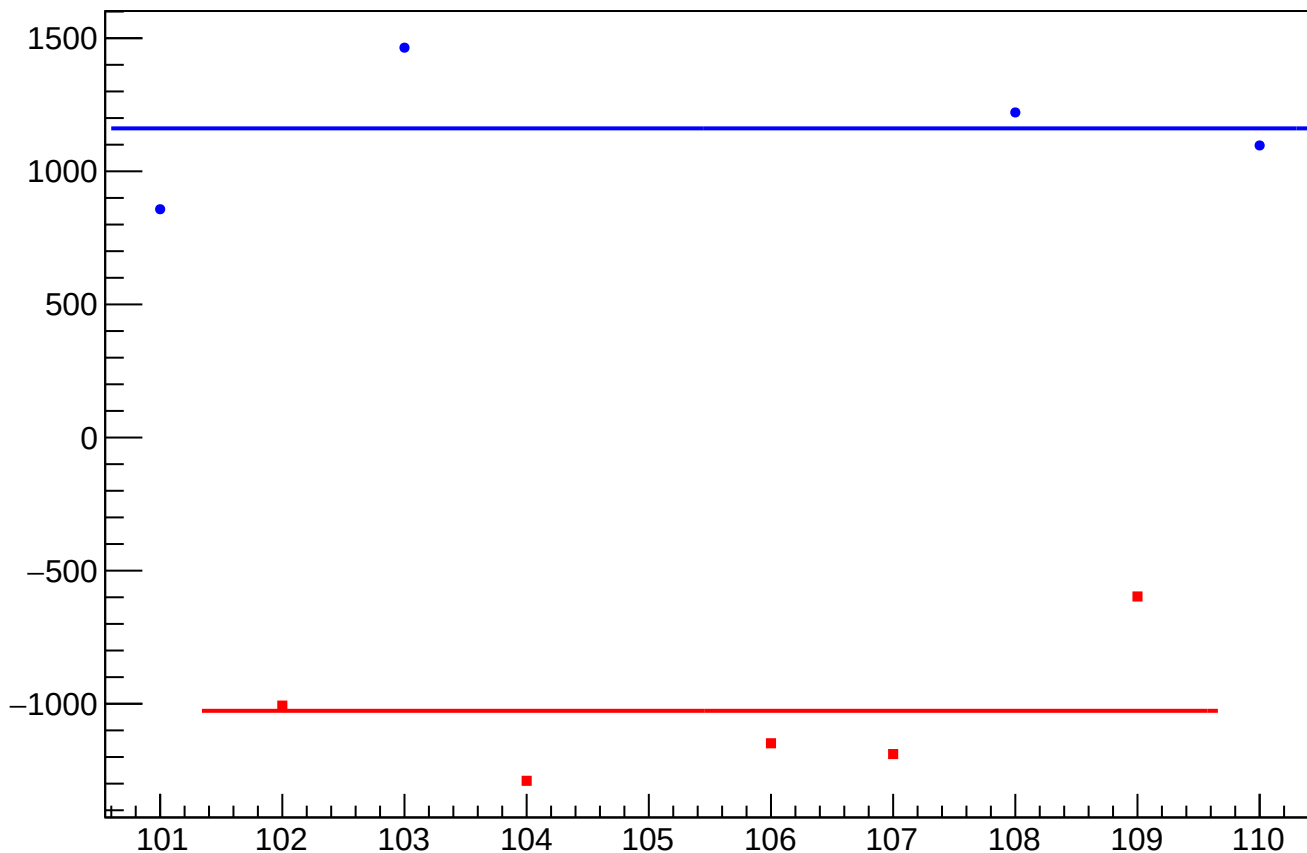
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

5.686 $\pm$ 0.000  $\chi^2$ /NDF: 1260817464380465195

-0.184 $\pm$ 0.000  $\chi^2$ /NDF: 14562029073718

-5.123 $\pm$ 0.000  $\chi^2$ /NDF: 118178110004368049

dit\_4aX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



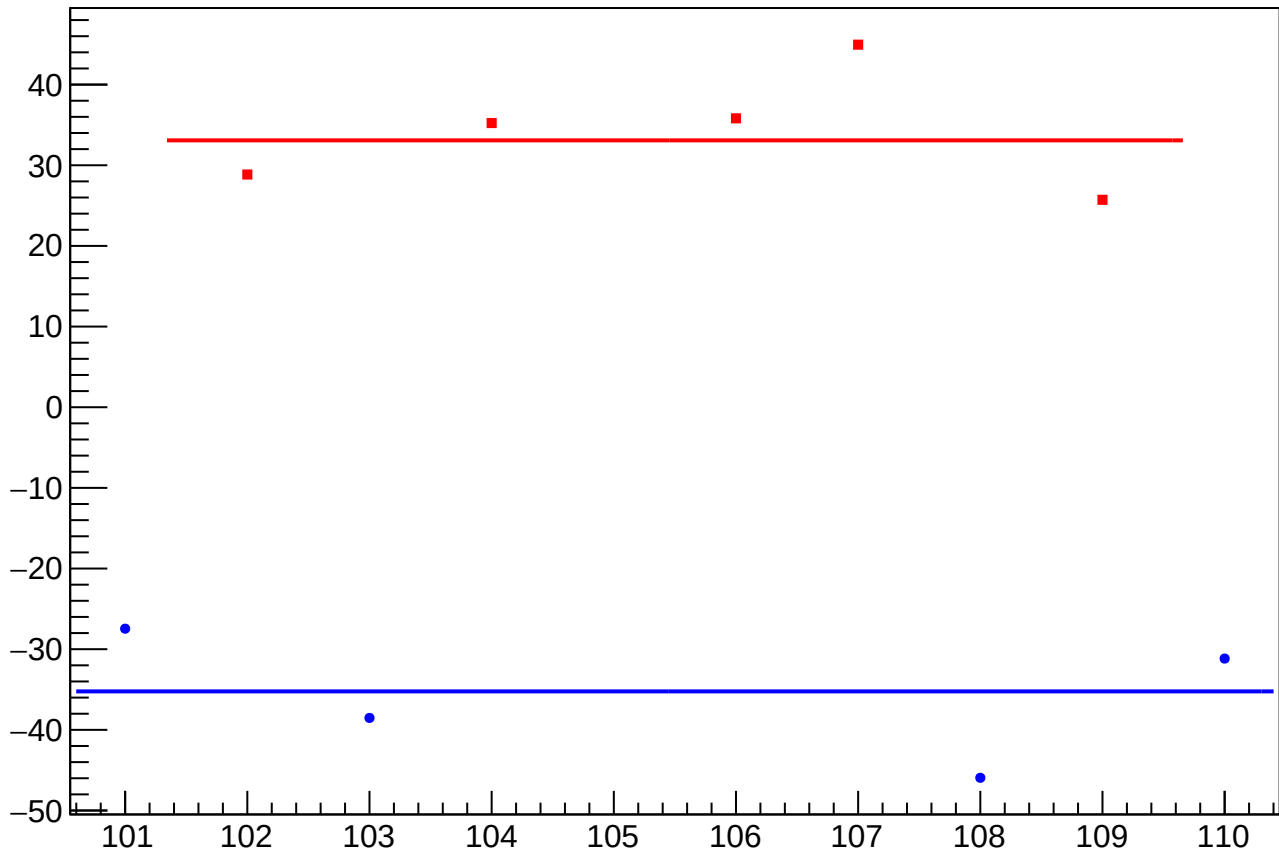
Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

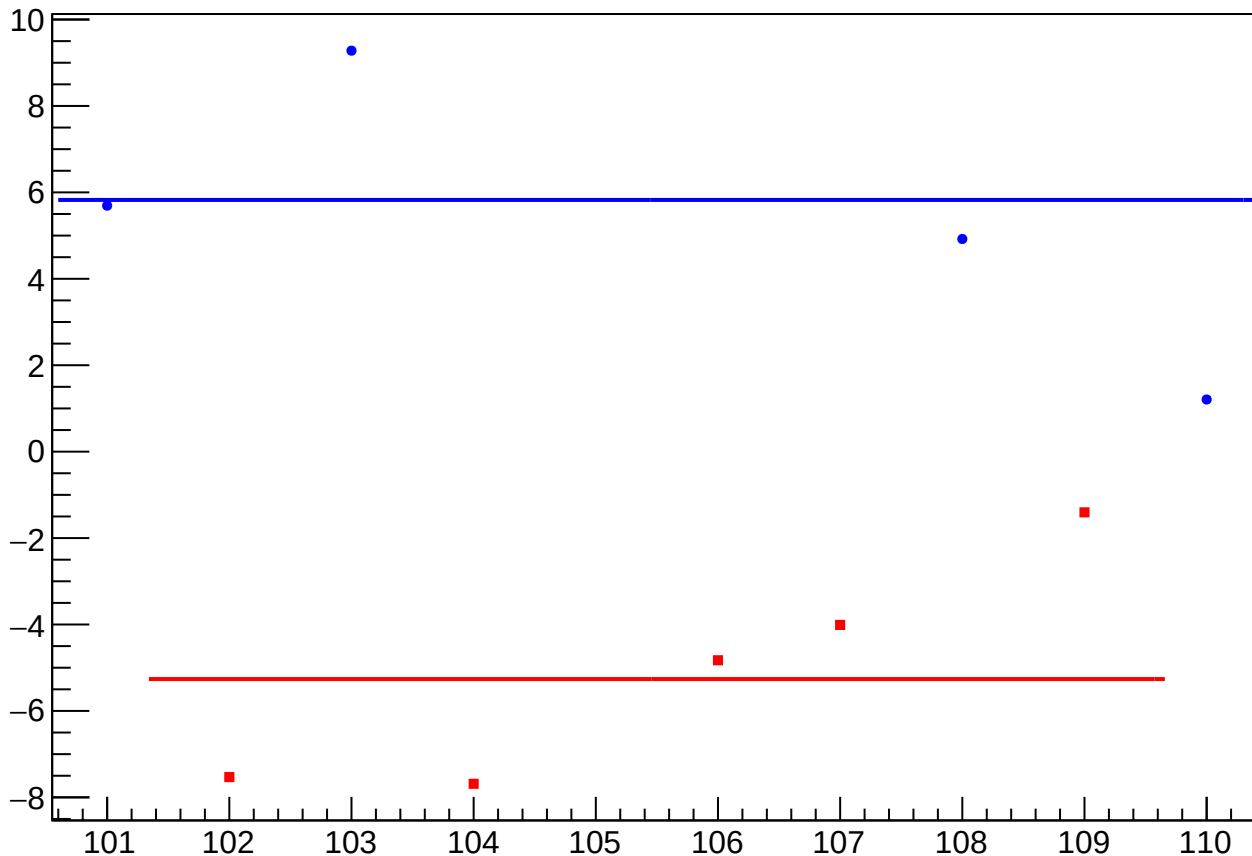
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil3\_mean vs Slug, Sign Corrected



Right In:  $-35.231 \pm 0.000$   $\chi^2/\text{NDF}$ : 9146330312438742816329848886132736.0/3  
Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
Right Out:  $33.086 \pm 0.000$   $\chi^2/\text{NDF}$ : 9343791963986371788085119940558848.0/4  
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 5.825+/-0.000  $\chi^2/\text{NDF}$ : 1482446626580630159552671897354240.0/3

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

Right Out: -5.262+/-0.000  $\chi^2/\text{NDF}$ : 1419475900484876052109468431810560.0/4

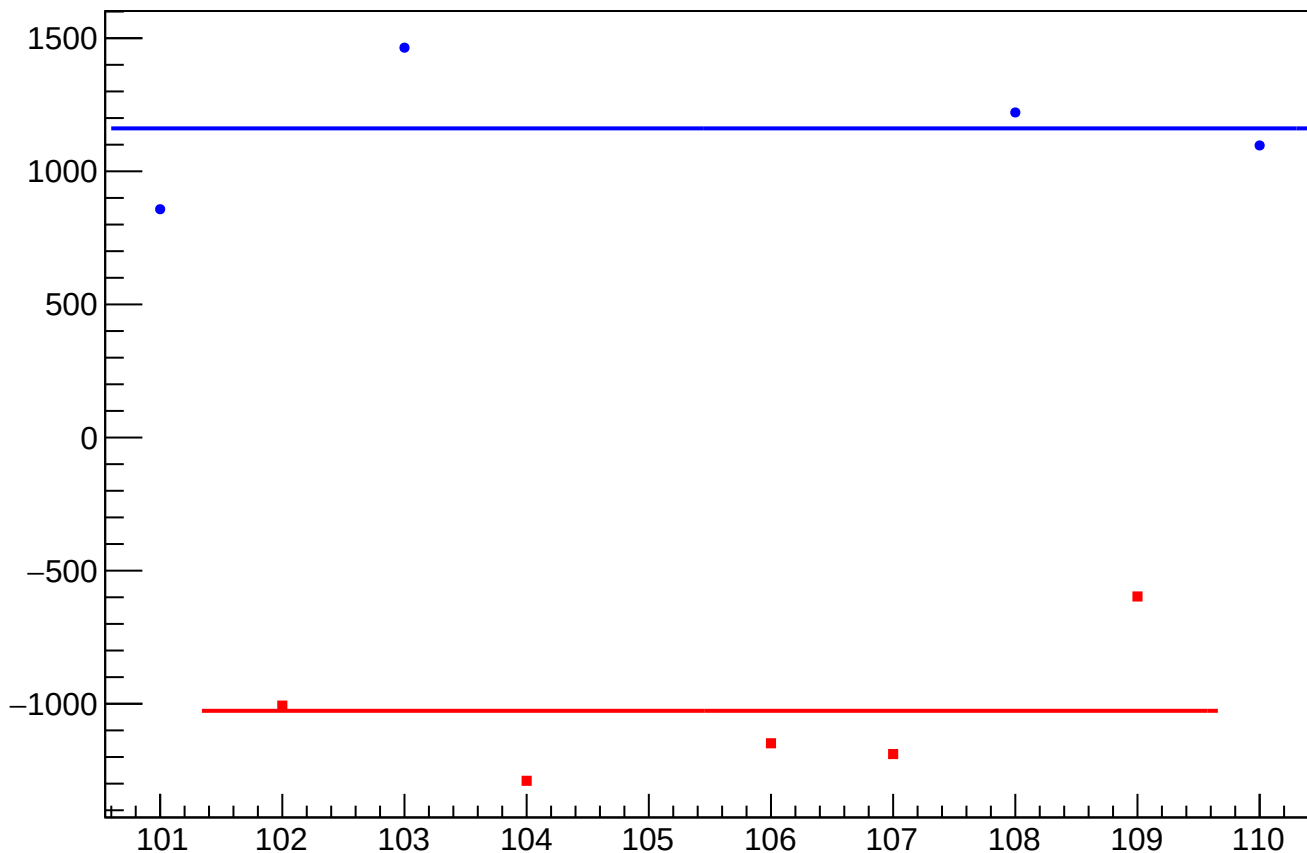
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.825+/-0.000  $\chi^2/\text{NDF}$ : 1482446626580630159552671897354240.0/3

-0.196+/-0.000  $\chi^2/\text{NDF}$ : 15651365354474.0/3

-5.262+/-0.000  $\chi^2/\text{NDF}$ : 1419475900484876052109468431810560.0/4

dit\_4eX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



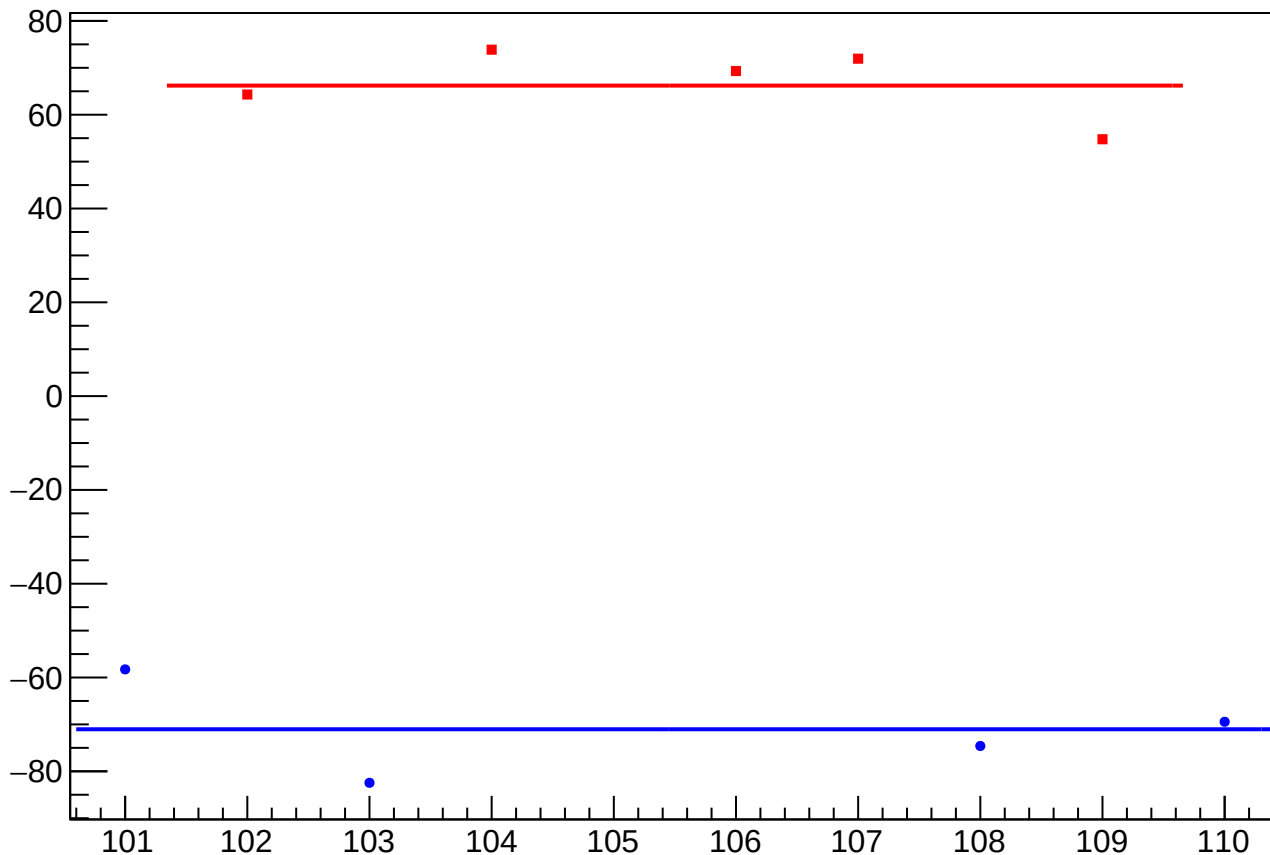
Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

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

# dit\_11X12X\_coil3\_mean vs Slug, Sign Corrected



Right In: -71.035+/-0.000  $\chi^2/\text{NDF}$ : 17877679537505459650358264782127104.0/3

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

Right Out: 66.211+/-0.000  $\chi^2/\text{NDF}$ : 11361637703548890803495604836106240.0/4

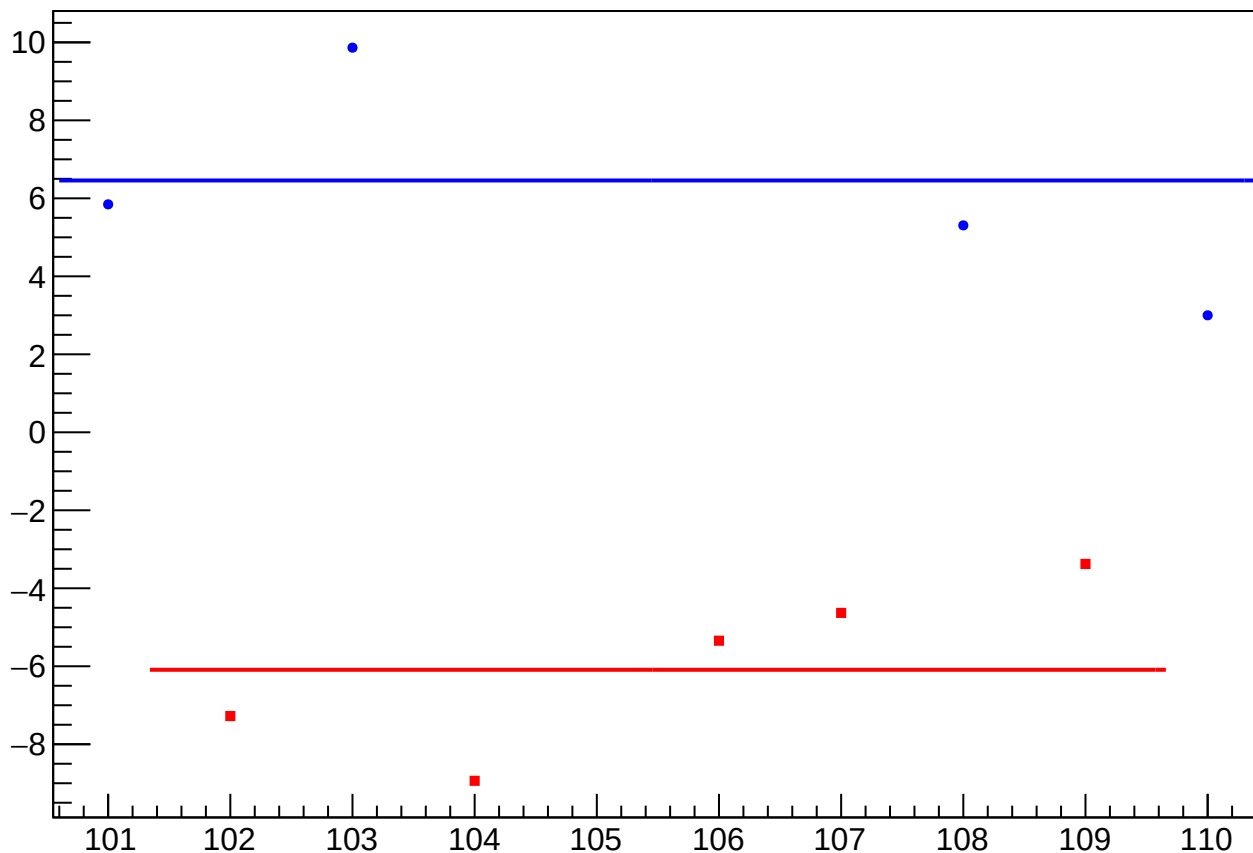
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-71.035+/-0.000  $\chi^2/\text{NDF}$ : 17877679537505459

3.498+/-0.000  $\chi^2/\text{NDF}$ : 19830261802912

66.211+/-0.000  $\chi^2/\text{NDF}$ : 113616377035488908

dit\_11X12X\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 6.458+/-0.000  $\chi^2/\text{NDF}$ : 1175248338485239317621957850038272.0/3

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

Right Out: -6.090+/-0.000  $\chi^2/\text{NDF}$ : 964723804829551547571251512868864.0/4

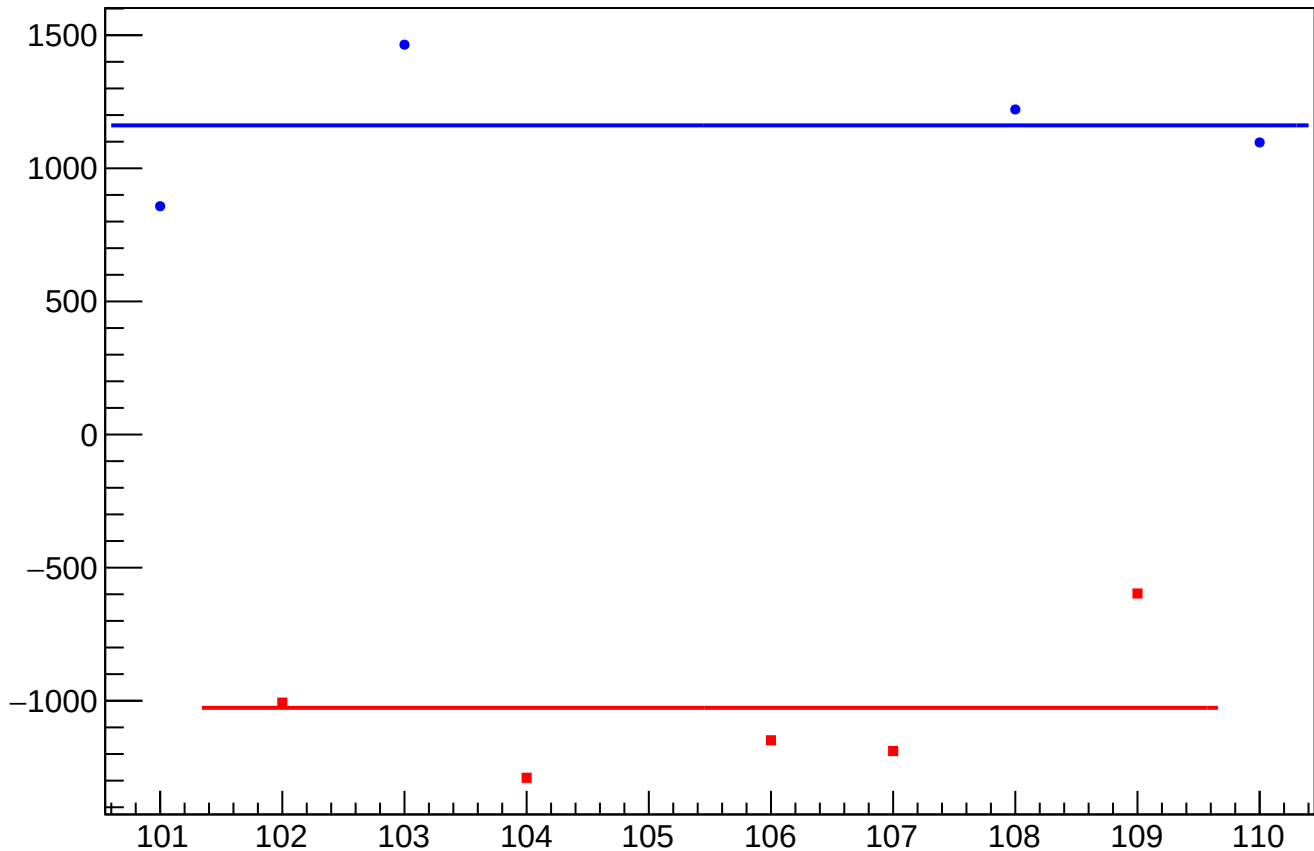
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.458+/-0.000  $\chi^2/\text{NDF}$ : 1175248338485239317621957850038272.0/3

-0.356+/-0.000  $\chi^2/\text{NDF}$ : 18472790116524.0/1

-6.090+/-0.000  $\chi^2/\text{NDF}$ : 964723804829551547571251512868864.0/4

dit\_11X12X\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

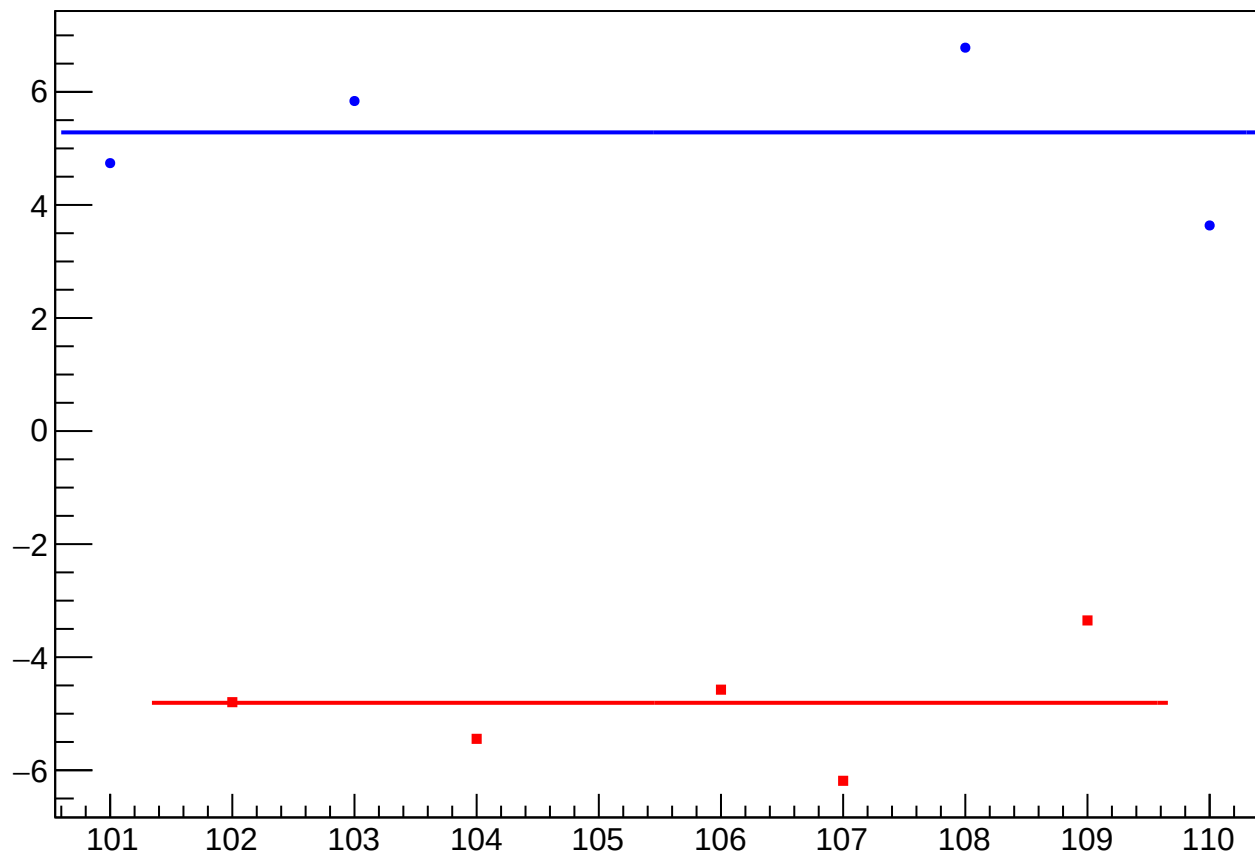
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

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



dit\_4aY\_coil3\_mean vs Slug, Sign Corrected



Right In: 5.284+/-0.000  $\chi^2/\text{NDF}$ : 215840872514418892880812527583232.0/3

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

Right Out: -4.807+/-0.000  $\chi^2/\text{NDF}$ : 199216266515470001664347214970880.0/4

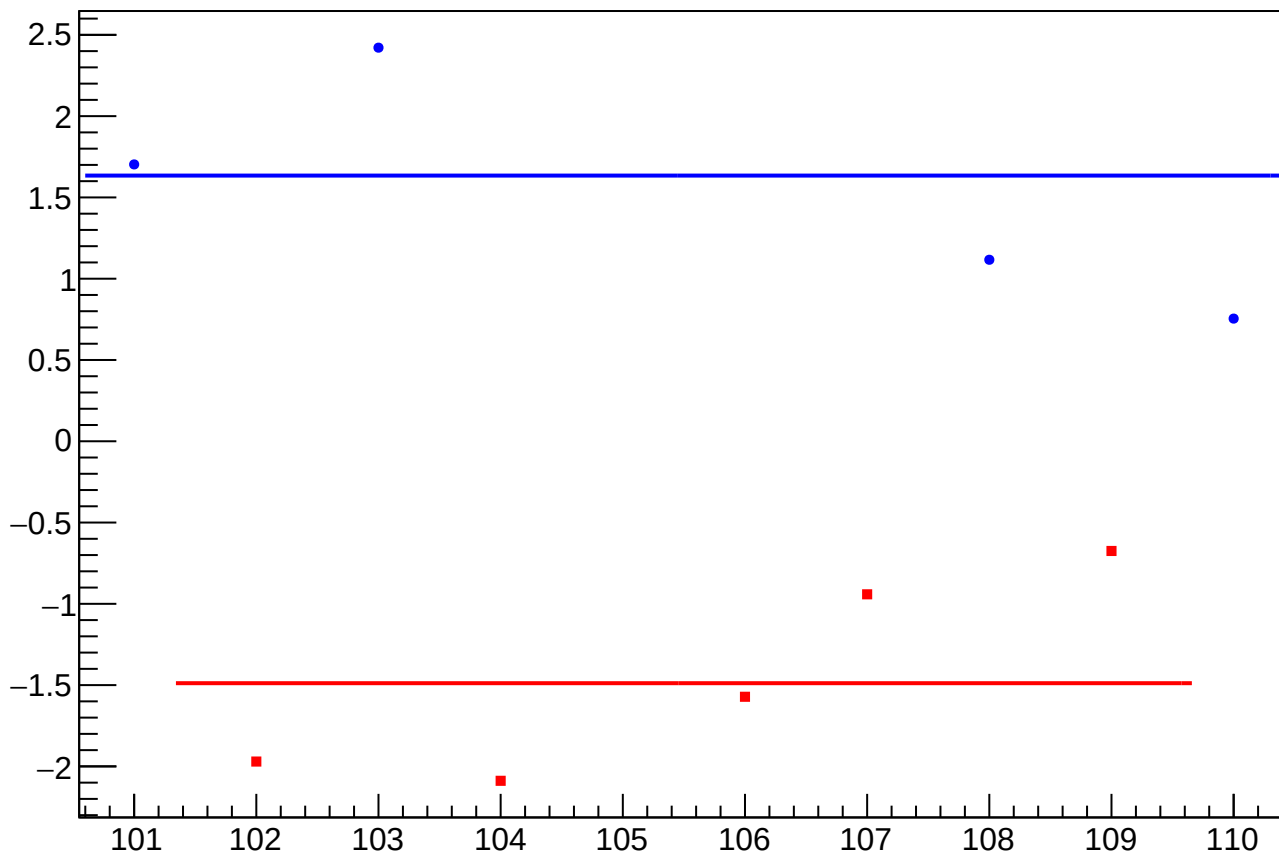
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.284+/-0.000  $\chi^2/\text{NDF}$ : 2158408725144188928

-0.196+/-0.000  $\chi^2/\text{NDF}$ : 10976744872463

-4.807+/-0.000  $\chi^2/\text{NDF}$ : 199216266515470001

# dit\_4aY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 1.634+/-0.000  $\chi^2/\text{NDF}$ : 74086643995018292782655476858880.0/3

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

Right Out: -1.488+/-0.000  $\chi^2/\text{NDF}$ : 76580553466973178292562680610816.0/4

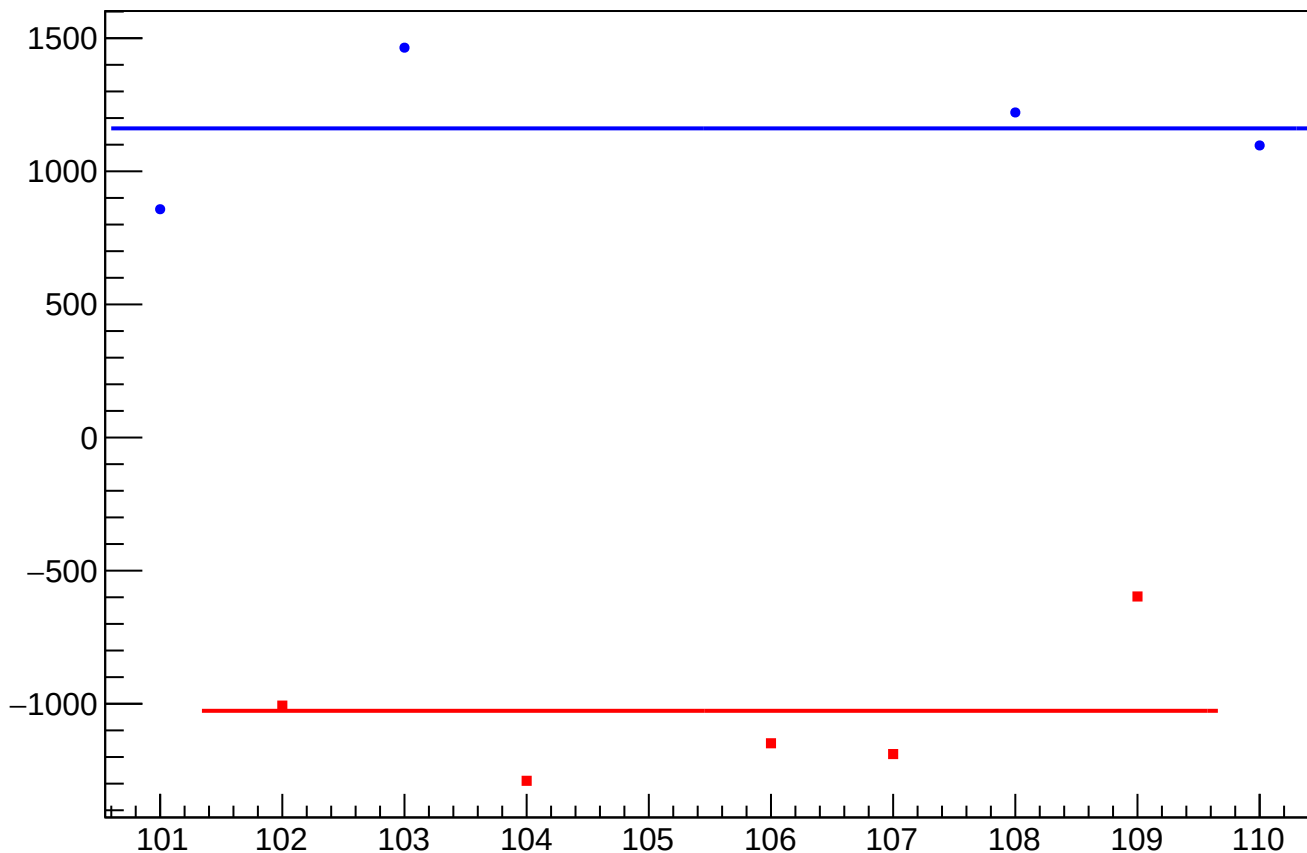
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.634+/-0.000  $\chi^2/\text{NDF}$ : 7408664399501829278

-0.061+/-0.000  $\chi^2/\text{NDF}$ : 1162048245553

-1.488+/-0.000  $\chi^2/\text{NDF}$ : 765805534669731782

dit\_4aY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



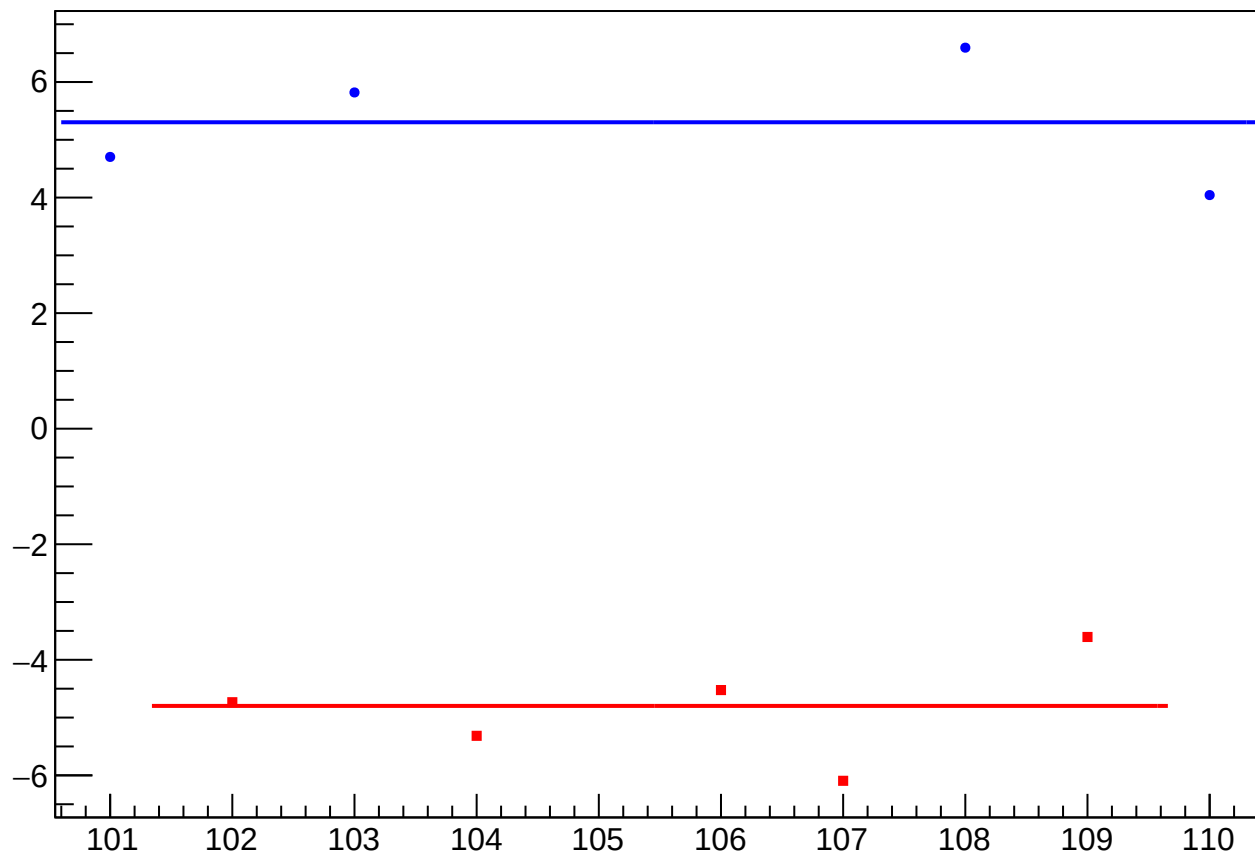
Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

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

# dit\_4eY\_coil3\_mean vs Slug, Sign Corrected



Right In: 5.303+/-0.000  $\chi^2/\text{NDF}$ : 155856874405796700172948017774592.0/3

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

Right Out: -4.798+/-0.000  $\chi^2/\text{NDF}$ : 149312448179658708333382376357888.0/4

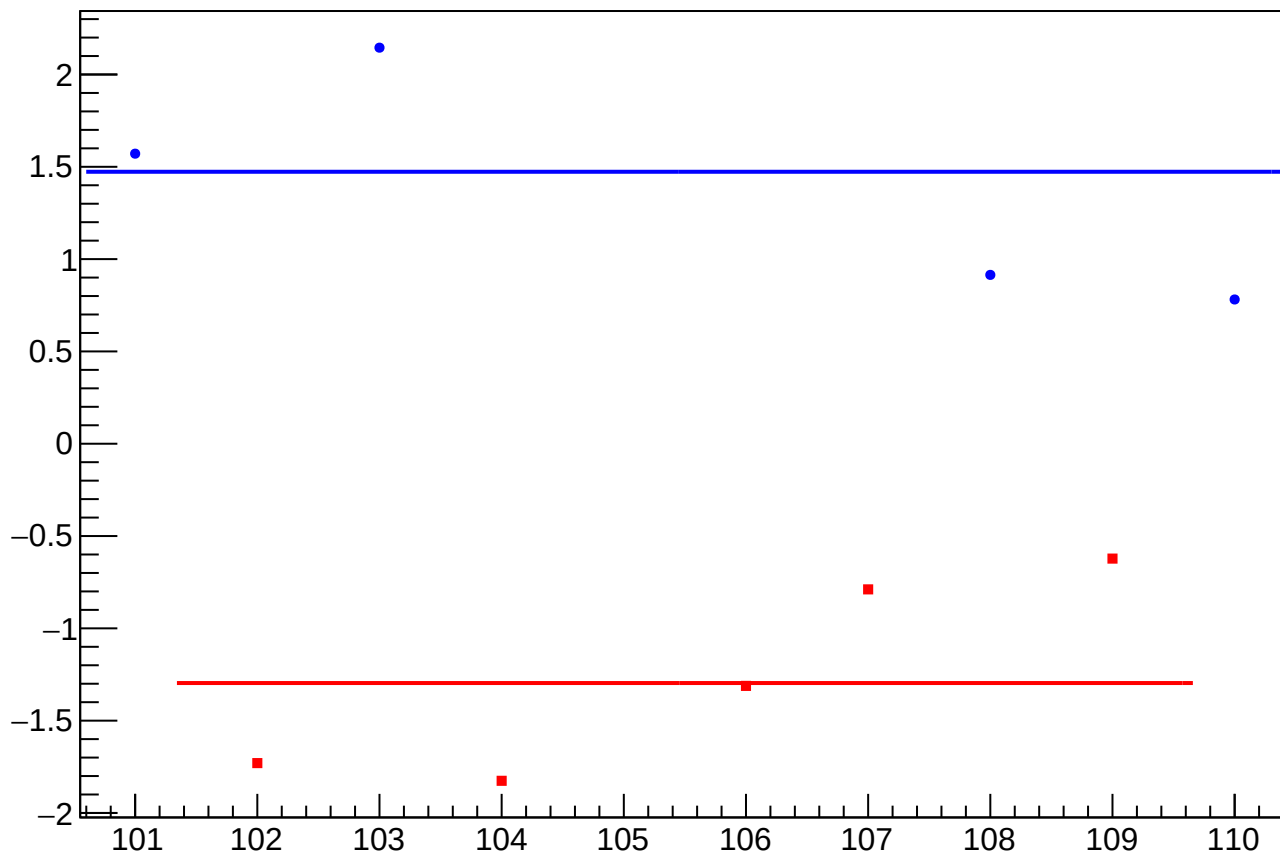
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.303+/-0.000  $\chi^2/\text{NDF}$ : 1558568744057967001

-0.182+/-0.000  $\chi^2/\text{NDF}$ : 1088960781608

-4.798+/-0.000  $\chi^2/\text{NDF}$ : 149312448179658708

dit\_4eY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 1.473+/-0.000  $\chi^2/\text{NDF}$ : 55828319380646515036000043925504.0/3

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

Right Out: -1.296+/-0.000  $\chi^2/\text{NDF}$ : 57651556772698961986166596829184.0/4

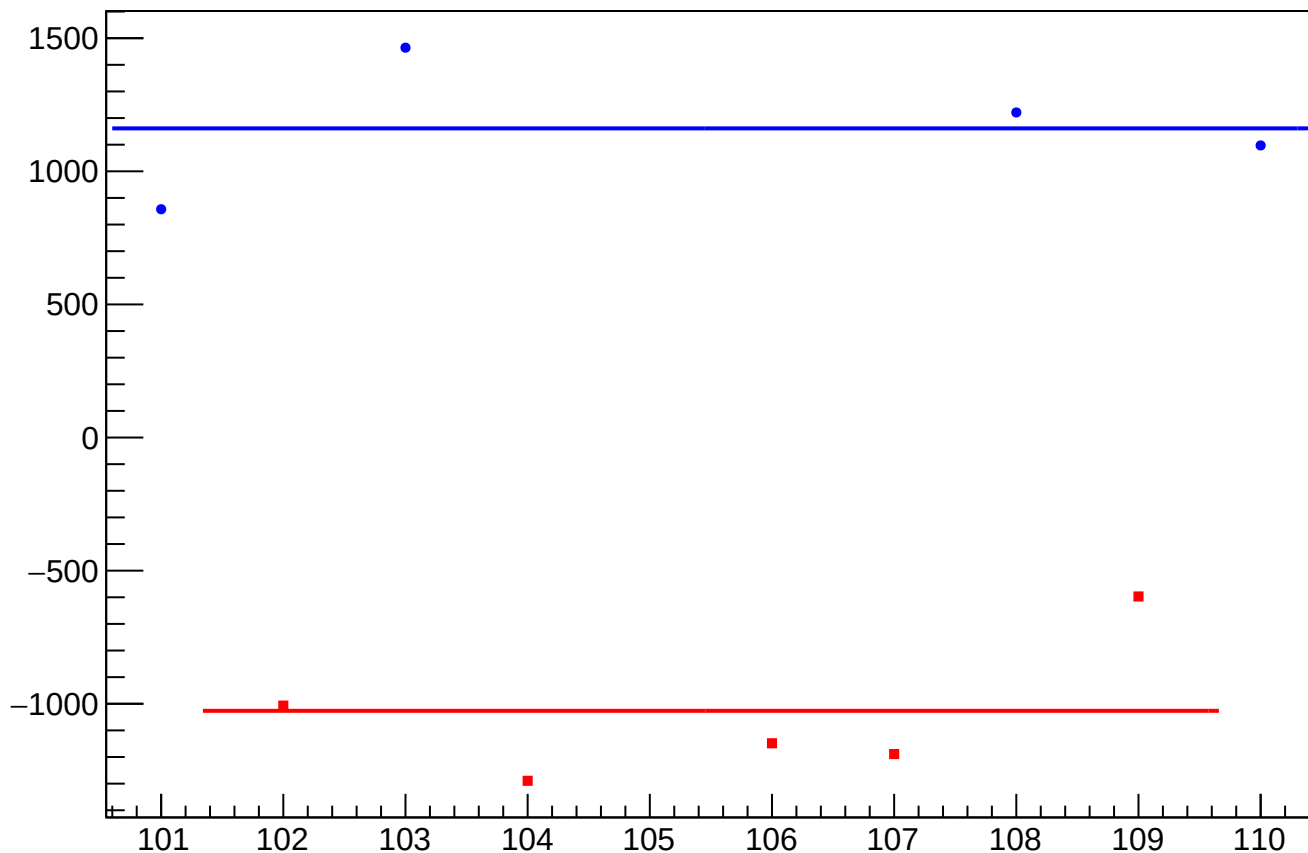
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.473+/-0.000  $\chi^2/\text{NDF}$ : 5582831938064651503

-0.031+/-0.000  $\chi^2/\text{NDF}$ : 9089943628692

-1.296+/-0.000  $\chi^2/\text{NDF}$ : 576515567726989619

dit\_4eY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



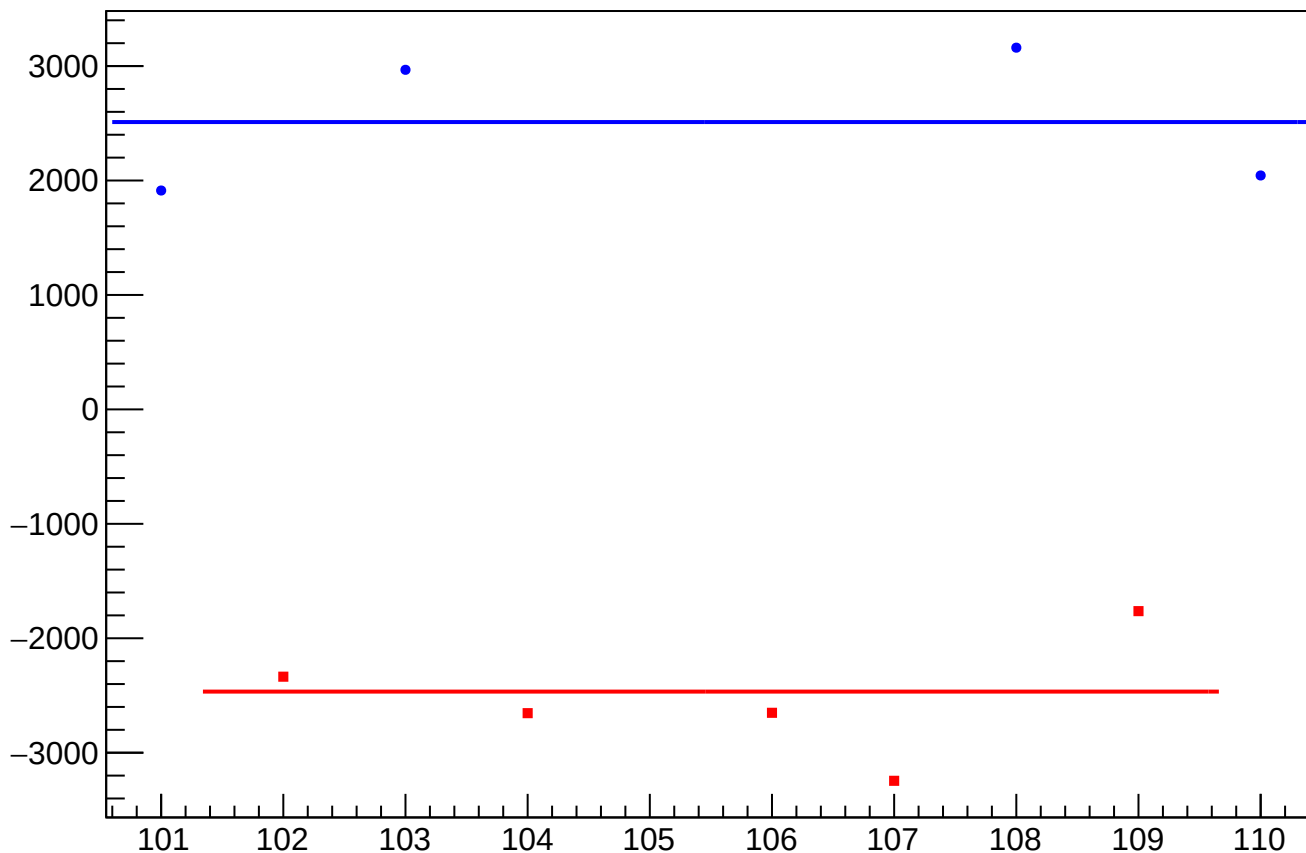
Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

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

# dit\_usl\_coil3\_mean vs Slug, Sign Corrected



Right In: 2510.826+/-0.000  $\chi^2/\text{NDF}$ : 57093855992475651673081218782201905152.0/3

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

Right Out: -2465.985+/-0.000  $\chi^2/\text{NDF}$ : 50943166528238311229061293942694215680.0/4

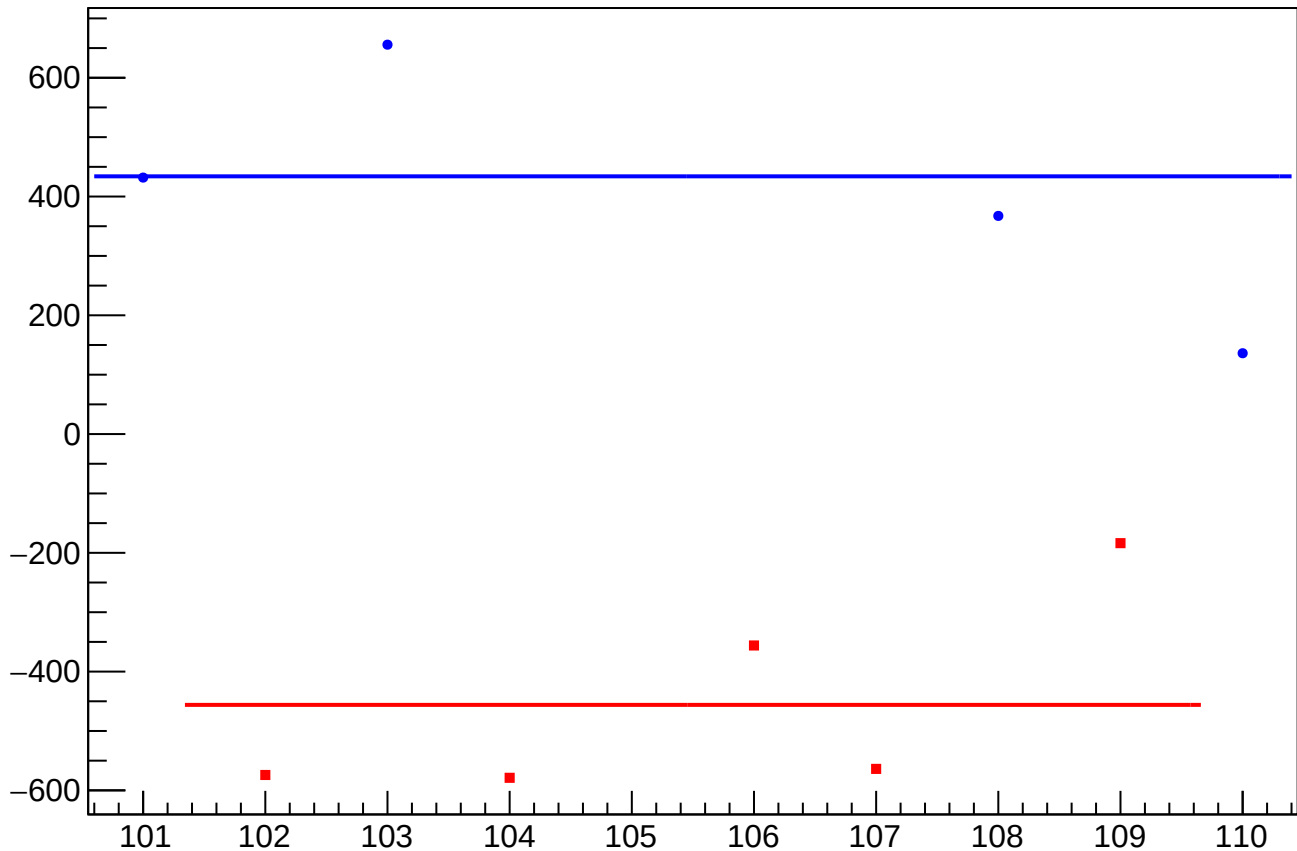
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2510.826+/-0.000  $\chi^2/\text{NDF}$ : 5709385599247565

-191.892+/-0.000  $\chi^2/\text{NDF}$ : 267716267700

-2465.985+/-0.000  $\chi^2/\text{NDF}$ : 509431665282383

# dit\_usl\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 434.011+/-0.000  $\chi^2/\text{NDF}$ : 6175420015742618564407916265033695232.0/3

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

434.011+/-0.000  $\chi^2/\text{NDF}$ : 617542001574261856

-49.348+/-0.000  $\chi^2/\text{NDF}$ : 9443581772302

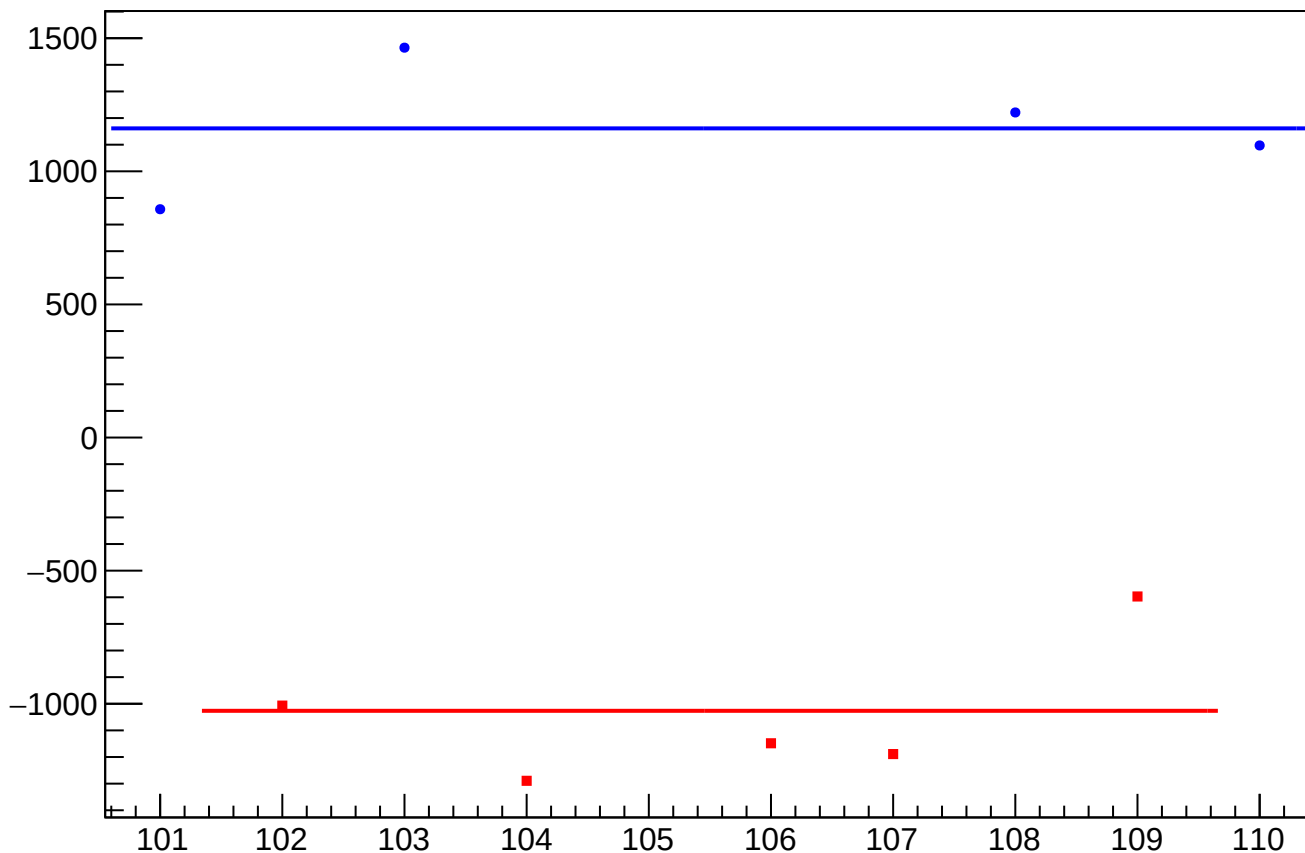
Right Out: -456.051+/-0.000  $\chi^2/\text{NDF}$ : 6088567981443636923698496028939386880.0/4

-456.051+/-0.000  $\chi^2/\text{NDF}$ : 6088567981443636

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



dit\_usl\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

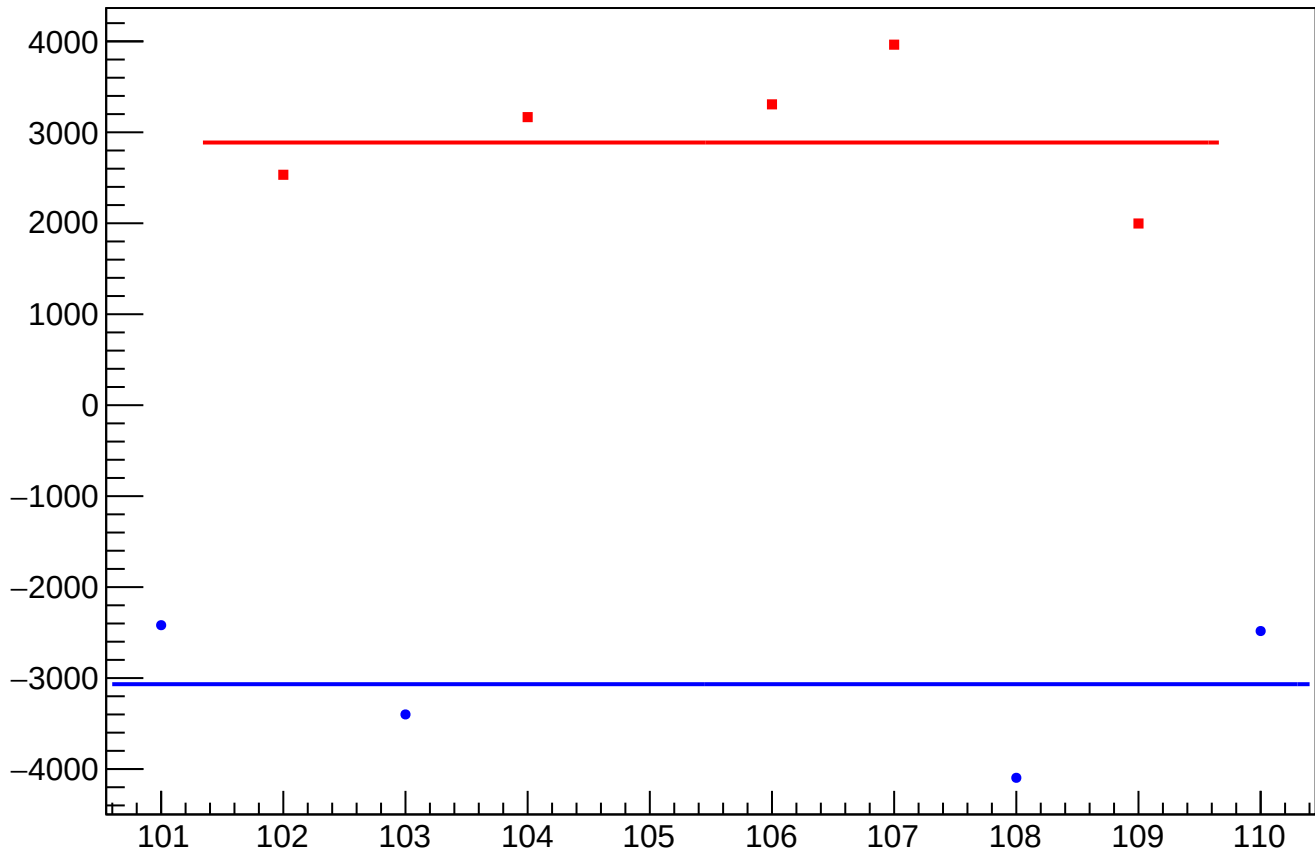
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360

# dit\_usr\_coil3\_mean vs Slug, Sign Corrected



Right In: -3067.199+/-0.000  $\chi^2/\text{NDF}$ : 83544052198846304379576572508744187904.0/3

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

-3067.199+/-0.000  $\chi^2/\text{NDF}$ : 835440521988463

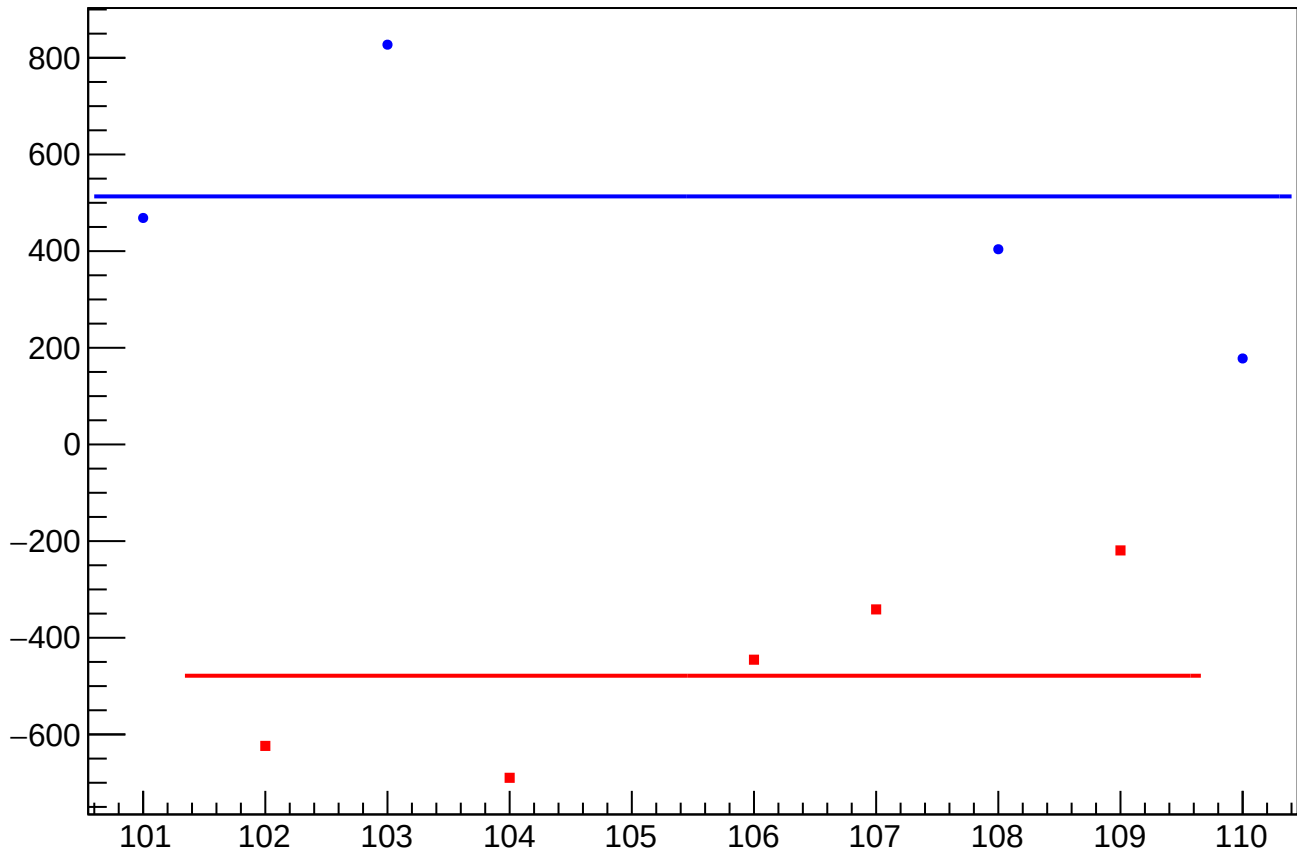
166.693+/-0.000  $\chi^2/\text{NDF}$ : 386054315557

Right Out: 2887.722+/-0.000  $\chi^2/\text{NDF}$ : 98802574956468690571190571115112038400.0/4

2887.722+/-0.000  $\chi^2/\text{NDF}$ : 9880257495646869

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

dit\_usr\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 513.239+/-0.000  $\chi^2/\text{NDF}$ : 10322970656958406438165543239664271360.0/3

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

513.239+/-0.000  $\chi^2/\text{NDF}$ : 10322970656958406438165543239664271360.0/3

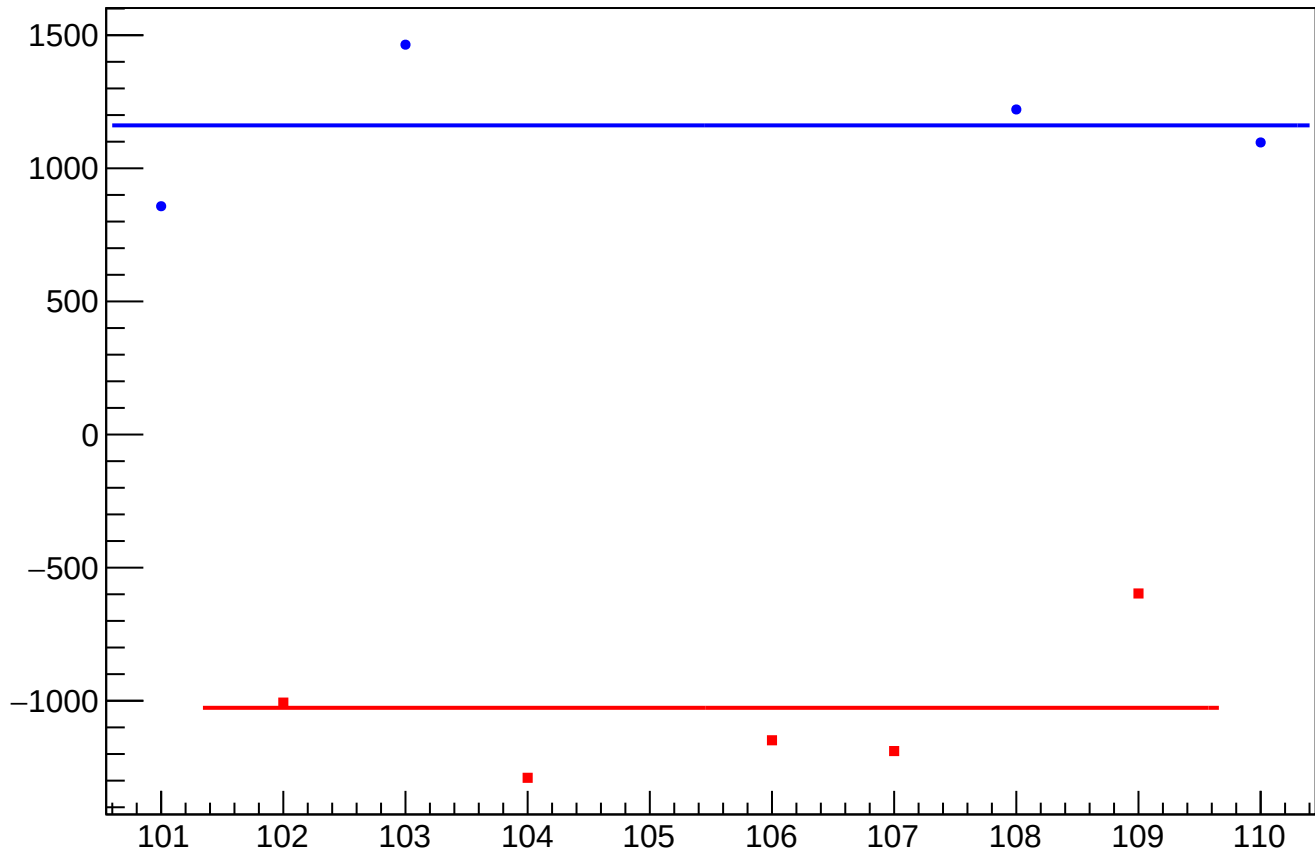
-25.364+/-0.000  $\chi^2/\text{NDF}$ : 119989507209.0/3

Right Out: -478.550+/-0.000  $\chi^2/\text{NDF}$ : 7638160368288909343317323507960905728.0/4

-478.550+/-0.000  $\chi^2/\text{NDF}$ : 7638160368288909343317323507960905728.0/4

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

dit\_usr\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

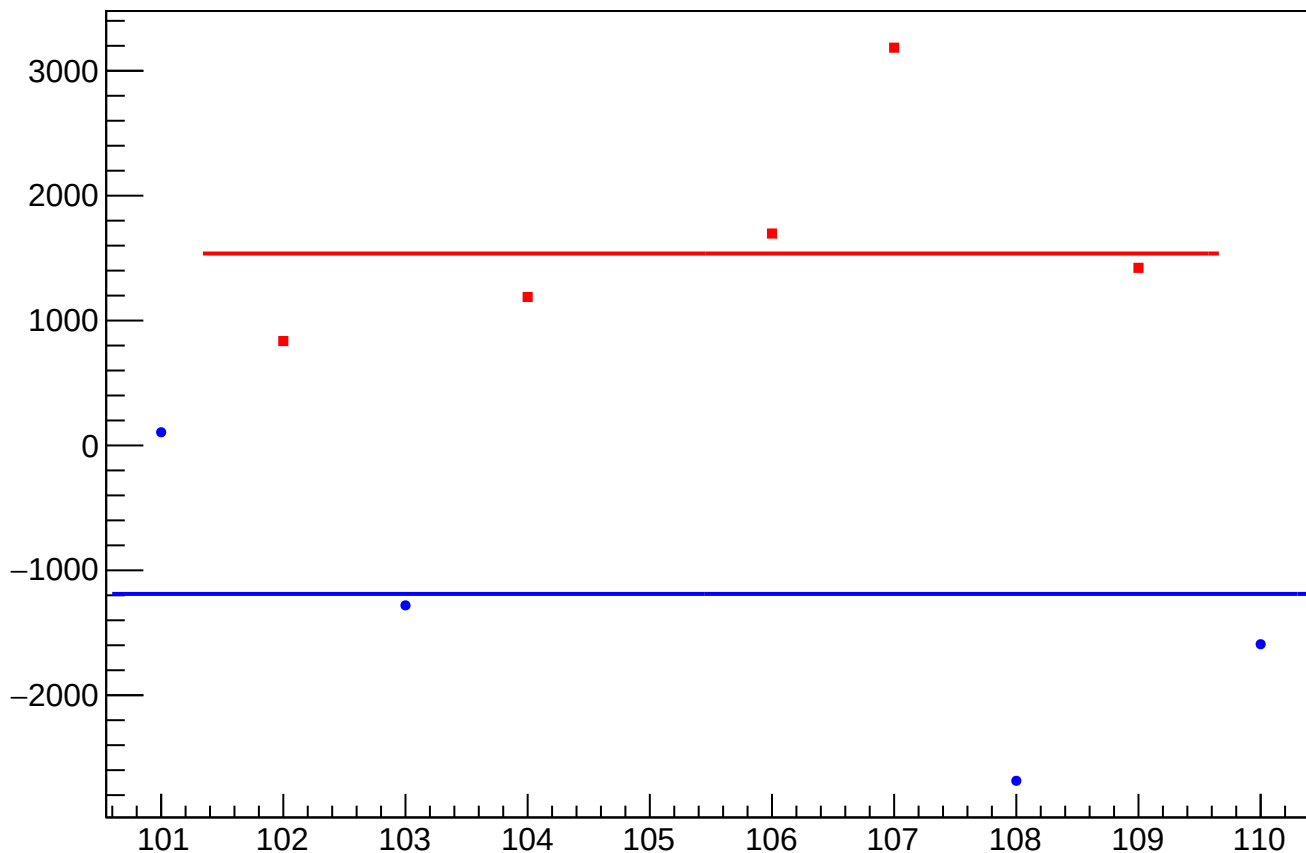
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360

# dit\_atl1\_coil3\_mean vs Slug, Sign Corrected



Right In: -1188.785+/-0.000  $\chi^2/\text{NDF}$ : 190143807303969380698551280838174048256.0/3

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

Right Out: 1537.011+/-0.000  $\chi^2/\text{NDF}$ : 133953003400722481950842126840071454720.0/4

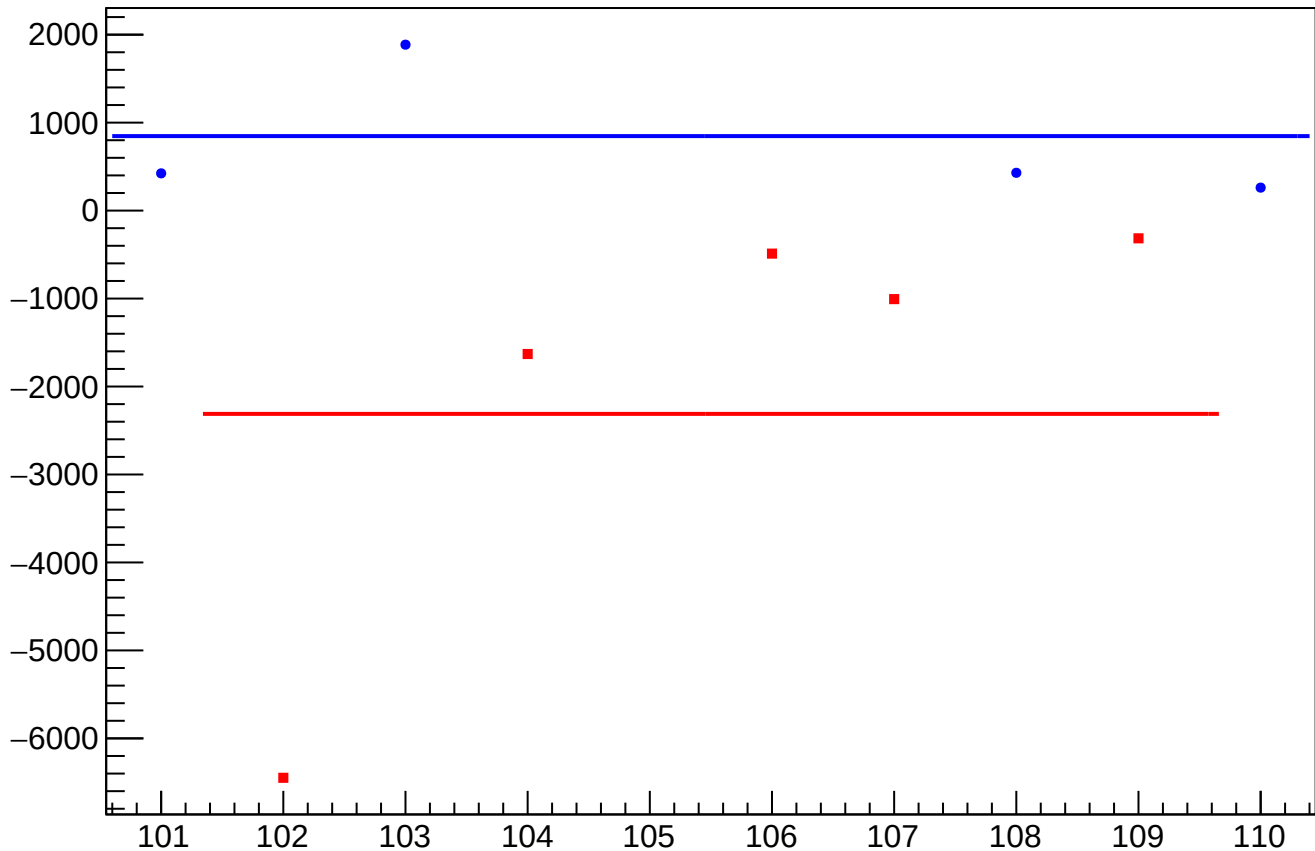
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1188.785+/-0.000  $\chi^2/\text{NDF}$ : 190143807303969

291.492+/-0.000  $\chi^2/\text{NDF}$ : 109476926011

1537.011+/-0.000  $\chi^2/\text{NDF}$ : 1339530034007224

dit\_atl1\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 846.764+/-0.000  $\chi^2/\text{NDF}$ : 92944823627345210973146101723070201856.0/3

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

Right Out: -2311.003+/-0.000  $\chi^2/\text{NDF}$ : 1383639002960036543181958454440525561856.0/4

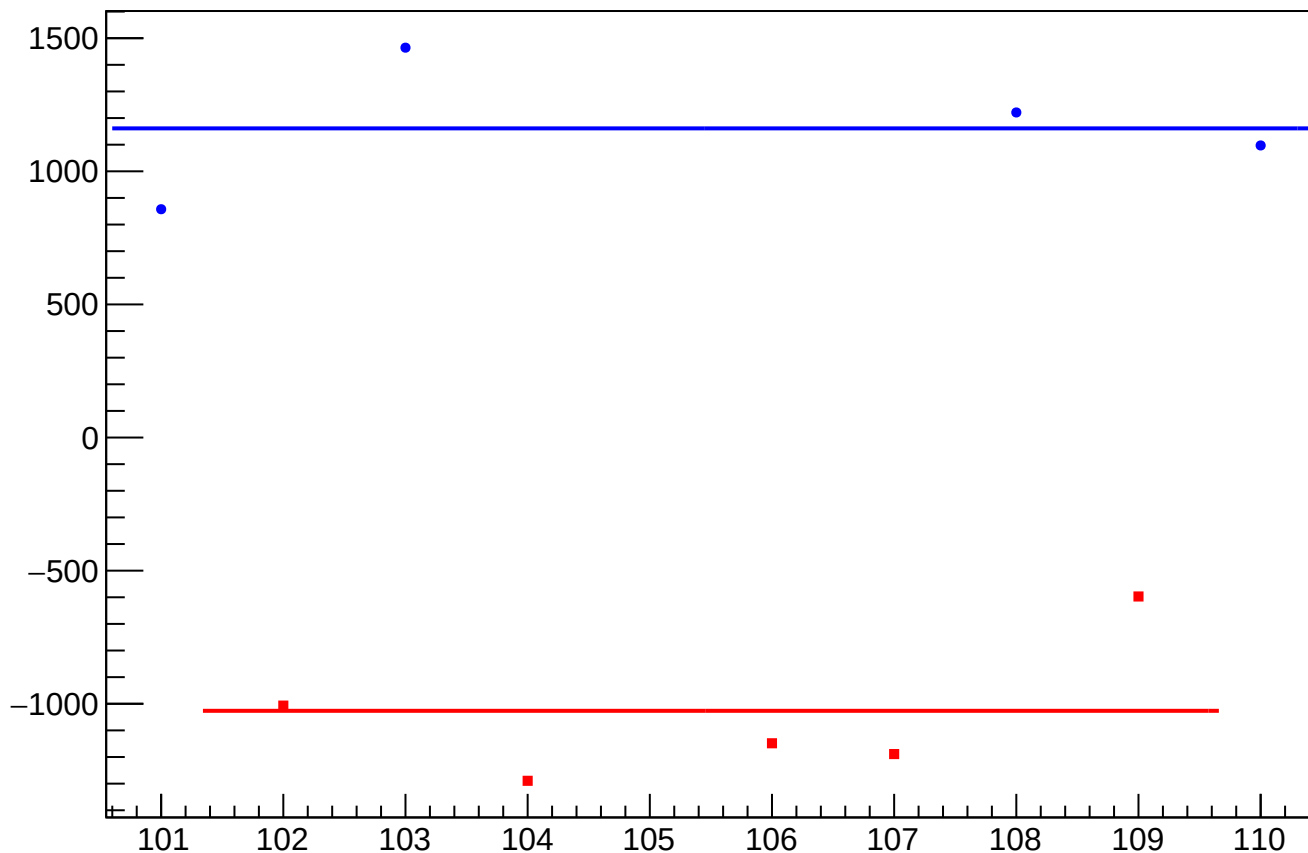
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

846.764+/-0.000  $\chi^2/\text{NDF}$ : 92944823627345210

-868.100+/-0.000  $\chi^2/\text{NDF}$ : 25108758880

-2311.003+/-0.000  $\chi^2/\text{NDF}$ : 138363900296003

dit\_atl1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

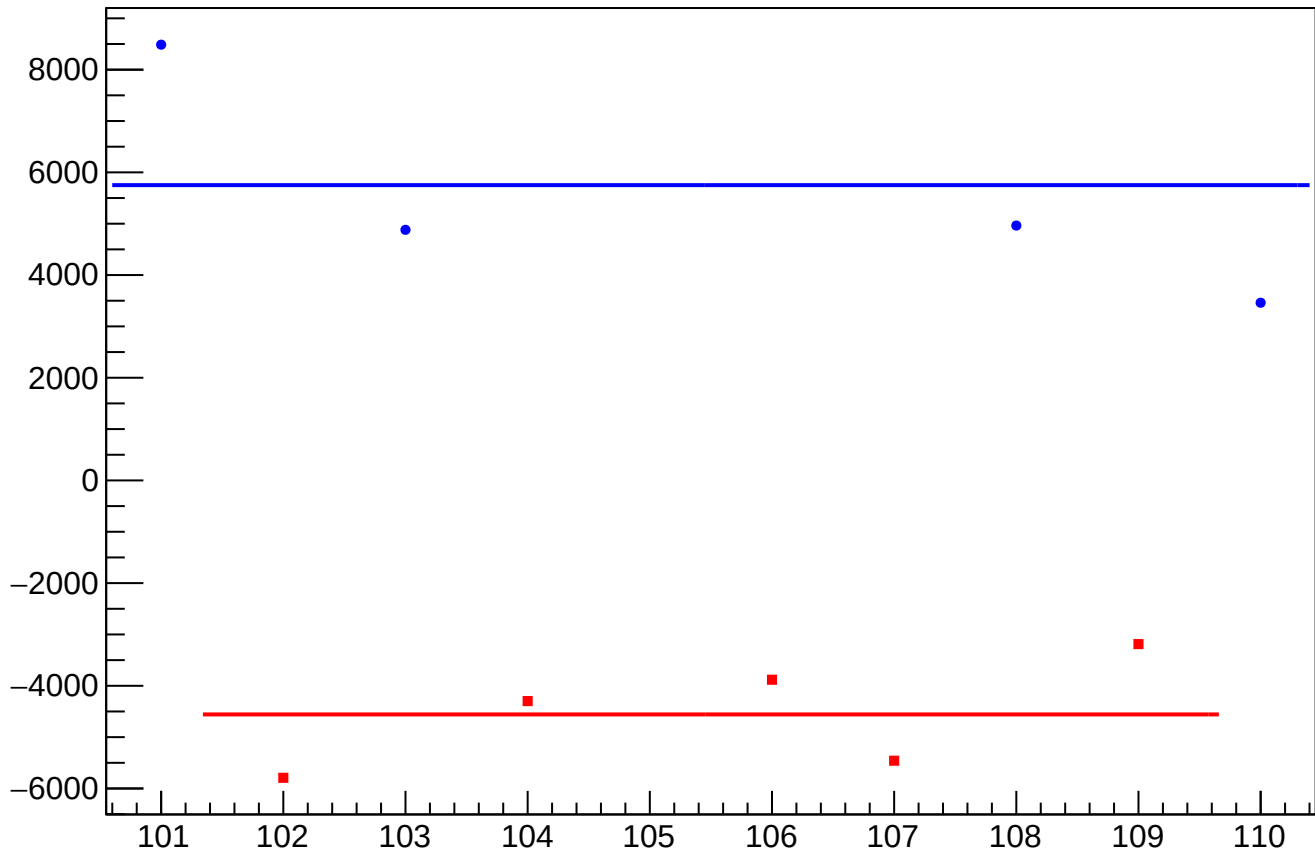
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360

# dit\_atl2\_coil3\_mean vs Slug, Sign Corrected



Right In: 5751.015+/-0.000  $\chi^2/\text{NDF}$ : 693461931420055285888314018697914089472.0/3

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

5751.015+/-0.000  $\chi^2/\text{NDF}$ : 6934619314200552

152.865+/-0.000  $\chi^2/\text{NDF}$ : 119466835228

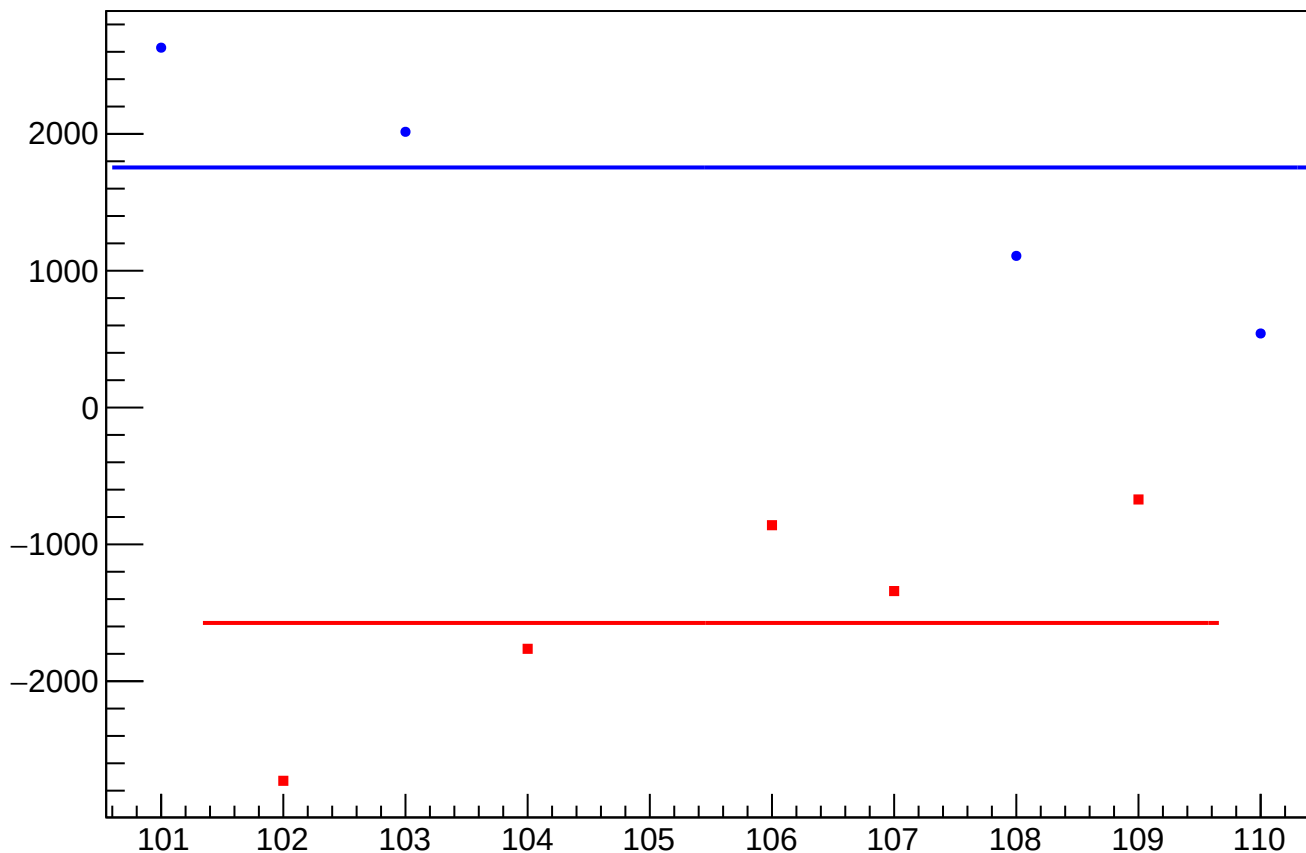
Right Out: -4557.473+/-0.000  $\chi^2/\text{NDF}$ : 230904529362864941652159861571847192576.0/4

-4557.473+/-0.000  $\chi^2/\text{NDF}$ : 230904529362864

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



dit\_atl2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 1754.829+/-0.000  $\chi^2/\text{NDF}$ : 116629383442398526022469651029850849280.0/3

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

Right Out: -1574.206+/-0.000  $\chi^2/\text{NDF}$ : 138331694669227296469873725391939567616.0/4

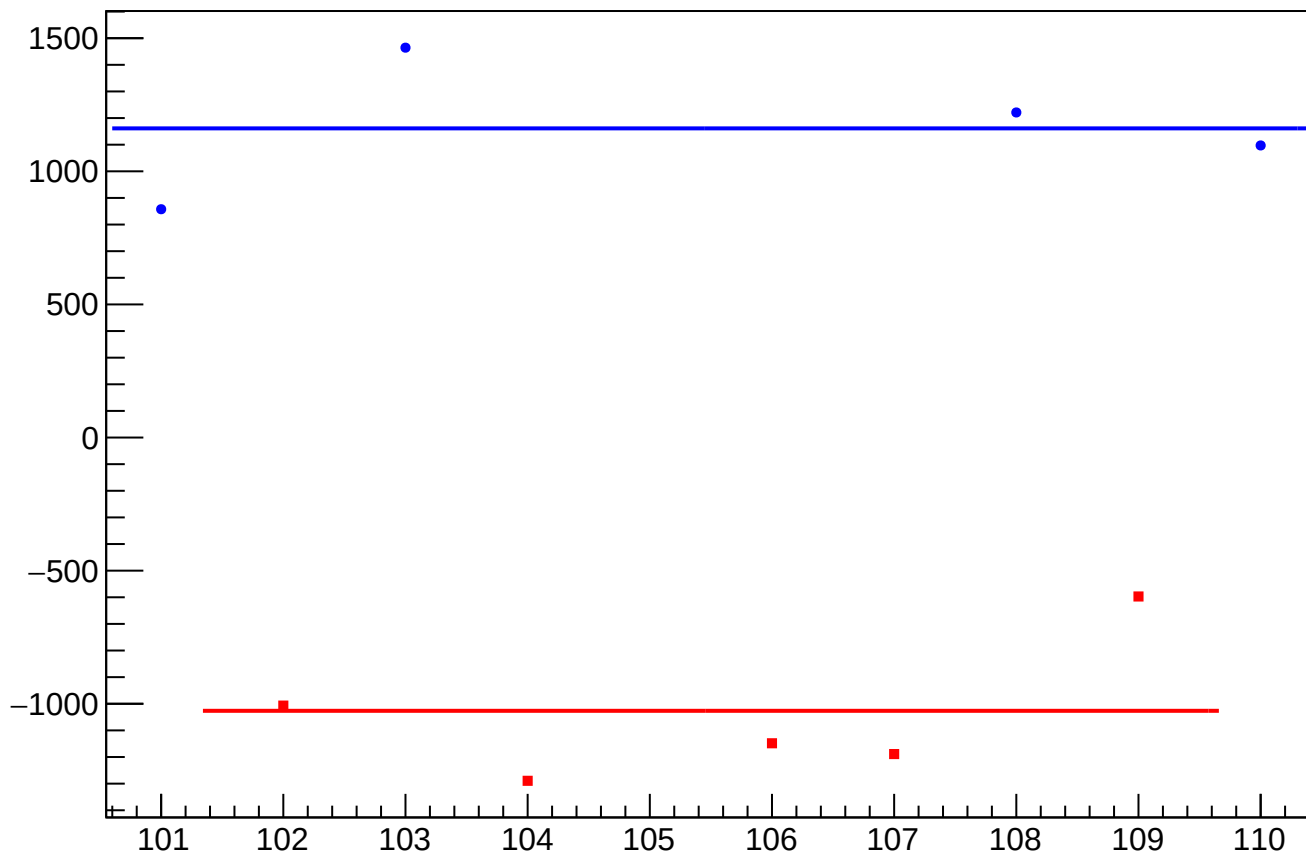
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1754.829+/-0.000  $\chi^2/\text{NDF}$ : 1166293834423985

-53.044+/-0.000  $\chi^2/\text{NDF}$ : 140448921239

-1574.206+/-0.000  $\chi^2/\text{NDF}$ : 138331694669227

dit\_atl2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



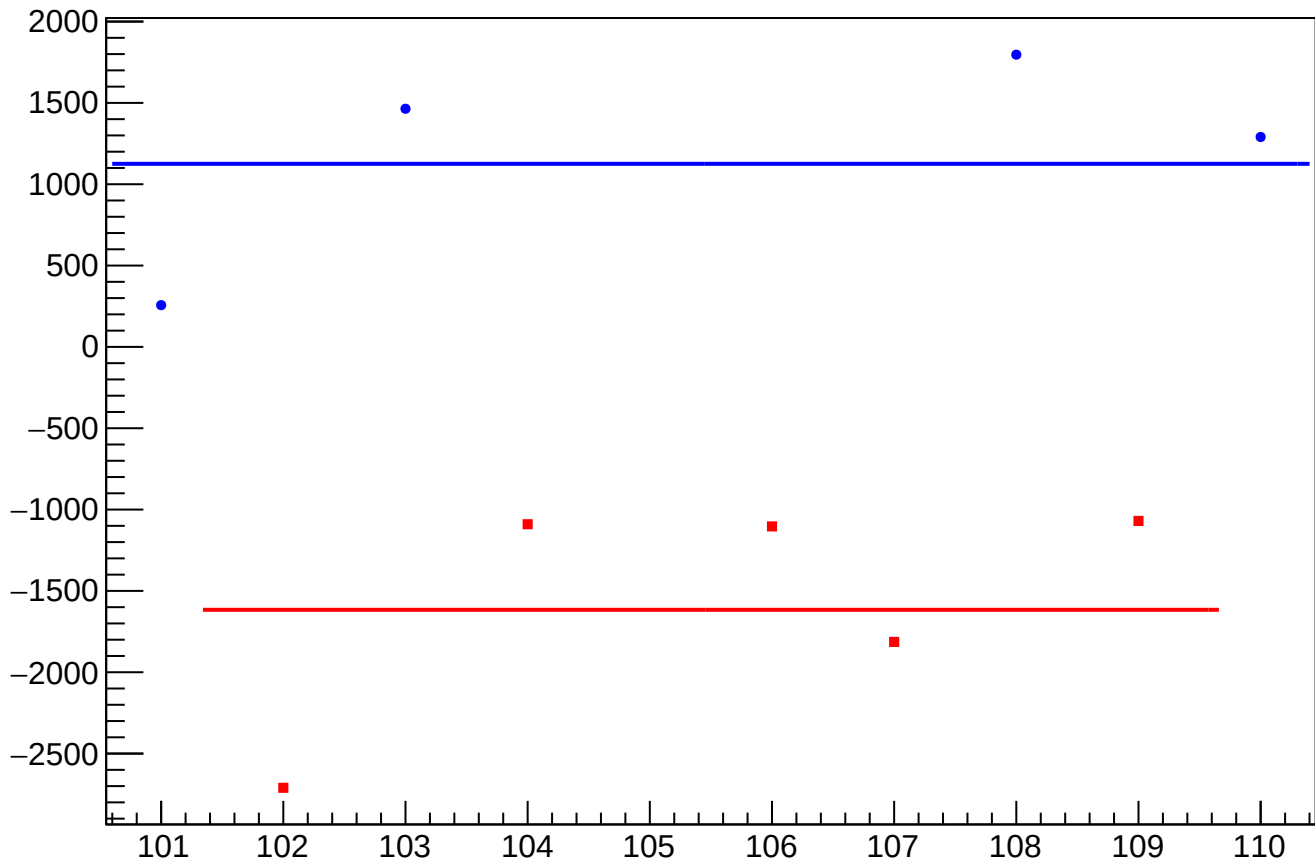
Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

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

# dit\_atr1\_coil3\_mean vs Slug, Sign Corrected



Right In: 1125.450+/-0.000  $\chi^2/\text{NDF}$ : 69348917145039179752231683830772137984.0/3

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

Right Out: -1616.110+/-0.000  $\chi^2/\text{NDF}$ : 108328028743133914435583412812875038720.0/4

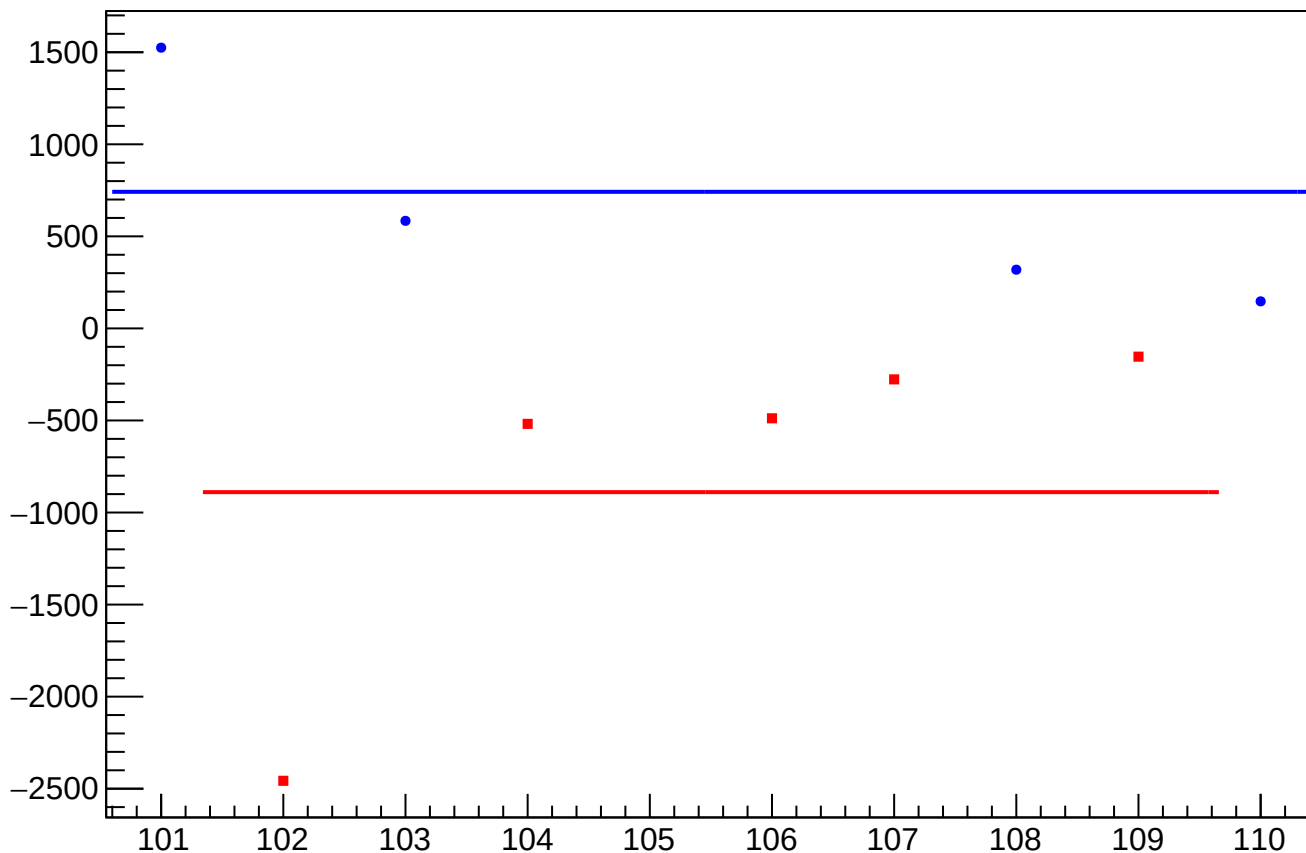
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1125.450+/-0.000  $\chi^2/\text{NDF}$ : 69348917145039179752231683830772137984.0/3

-363.388+/-0.000  $\chi^2/\text{NDF}$ : 95728835765.0/3

-1616.110+/-0.000  $\chi^2/\text{NDF}$ : 108328028743133914435583412812875038720.0/4

dit\_atr1\_coil3\_err\_mean vs Slug, Sign Corrected



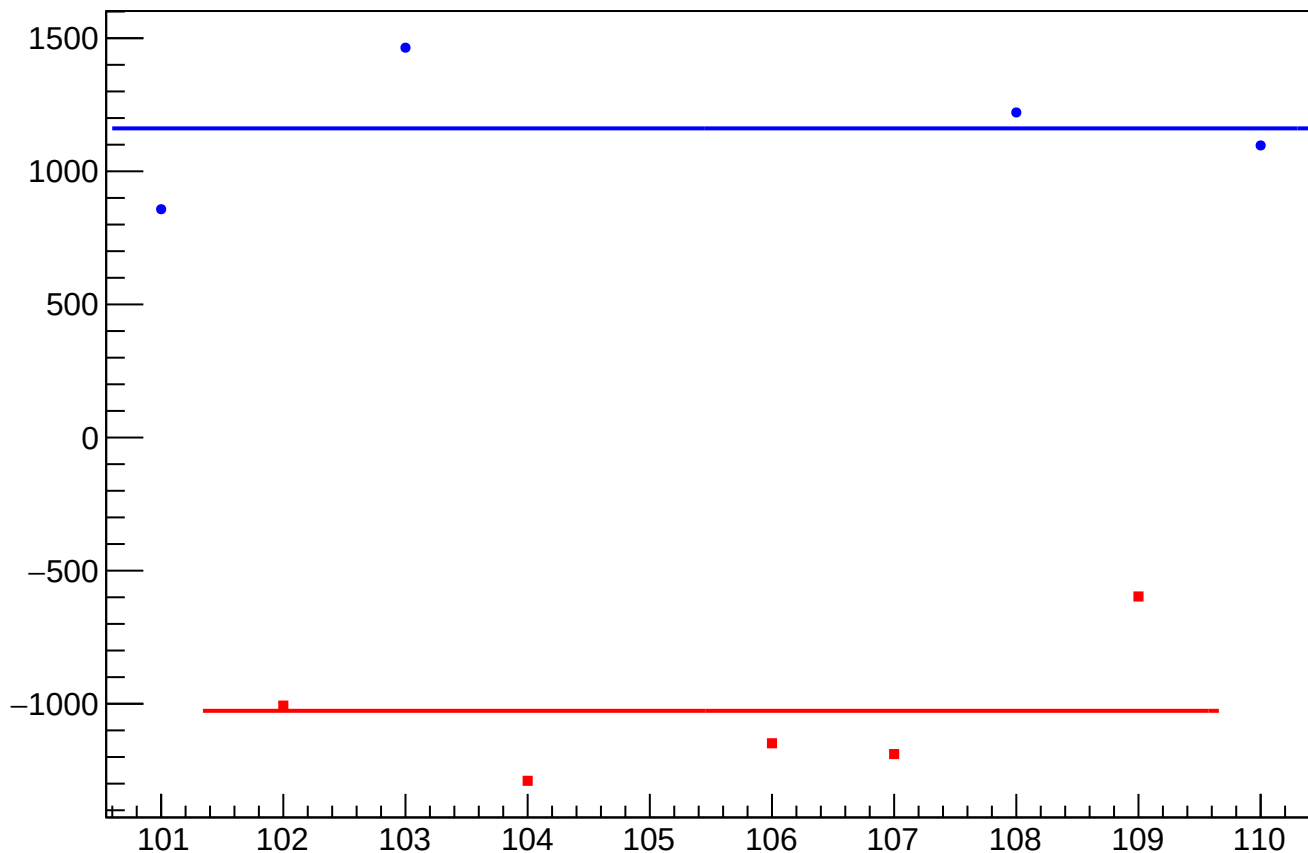
Right In: 741.858+/-0.000  $\chi^2/\text{NDF}$ : 56816494248625644366937598457404194816.0/3

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

Right Out: -889.330+/-0.000  $\chi^2/\text{NDF}$ : 195685652642291091638327259215861645312.0/4

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

dit\_atr1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

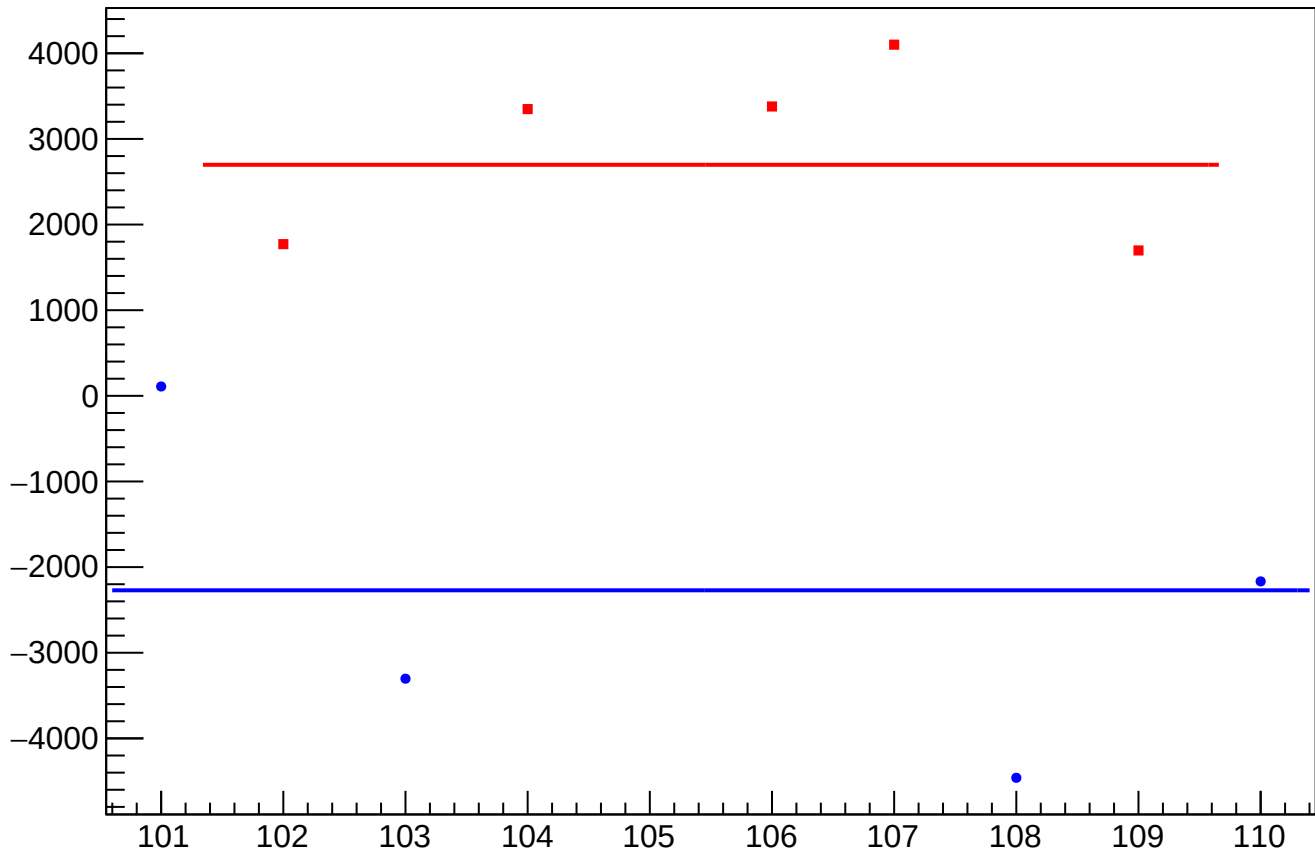
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360

# dit\_atr2\_coil3\_mean vs Slug, Sign Corrected



Right In: -2270.972+/-0.000  $\chi^2/\text{NDF}$ : 579555522572000961493911429869039779840.0/3

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

Right Out: 2698.025+/-0.000  $\chi^2/\text{NDF}$ : 207583533090169080695948016212250722304.0/4

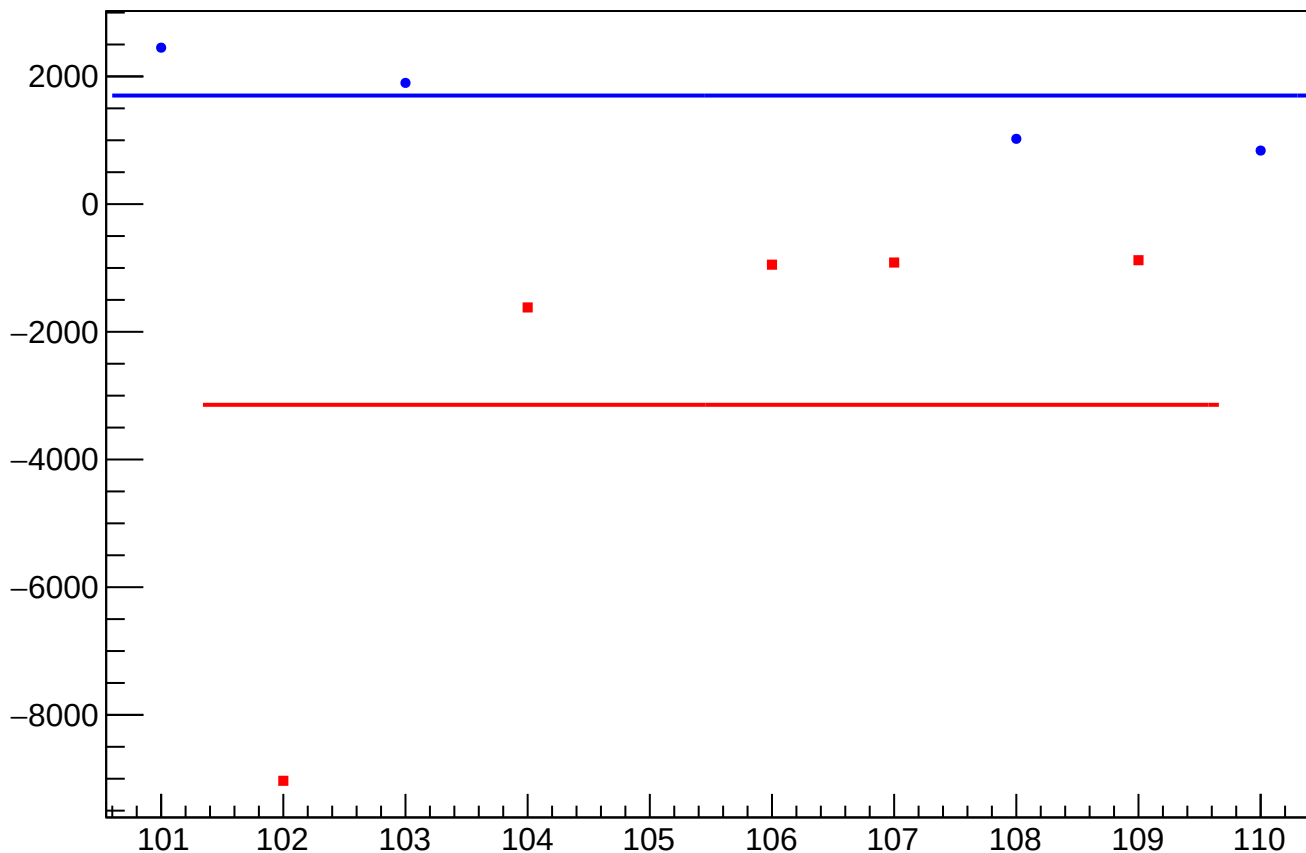
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2270.972+/-0.000  $\chi^2/\text{NDF}$ : 579555522572000

427.502+/-0.000  $\chi^2/\text{NDF}$ : 334820306685

2698.025+/-0.000  $\chi^2/\text{NDF}$ : 2075835330901690

dit\_atr2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 1700.647+/-0.000  $\chi^2/\text{NDF}$ : 7895662754755927911446915724380995584.0/3

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

Right Out: -3143.401+/-0.000  $\chi^2/\text{NDF}$ : 2719904526739075424201637195822399488000.0/4

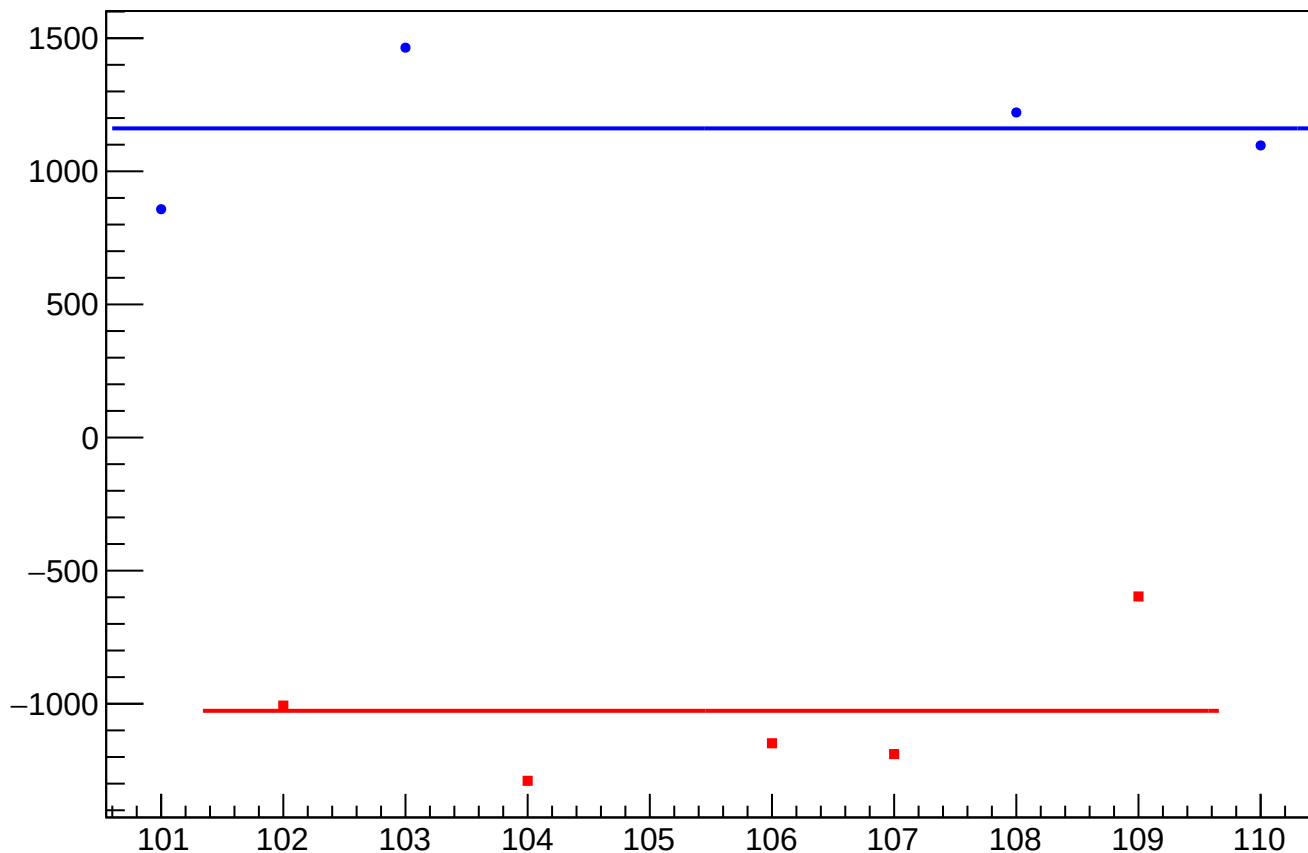
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1700.647+/-0.000  $\chi^2/\text{NDF}$ : 7895662754755927

-929.972+/-0.000  $\chi^2/\text{NDF}$ : 52327444276

-3143.401+/-0.000  $\chi^2/\text{NDF}$ : 271990452673907

dit\_atr2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

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

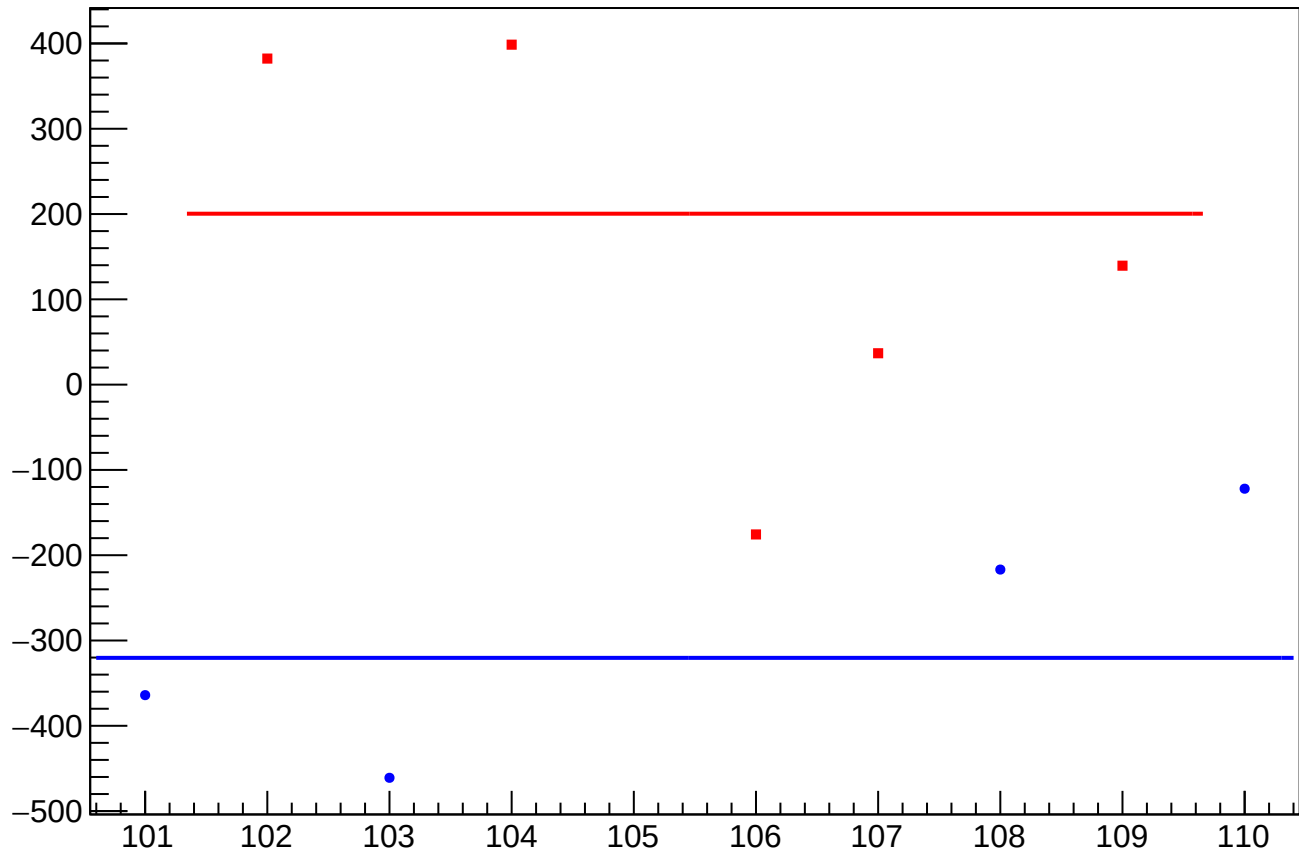
1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360



# dit\_sam1\_coil3\_mean vs Slug, Sign Corrected



Right In: -320.347+/-0.000  $\chi^2/\text{NDF}$ : 3063201031910567392546428704394313728.0/3

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

-320.347+/-0.000  $\chi^2/\text{NDF}$ : 3063201031910567

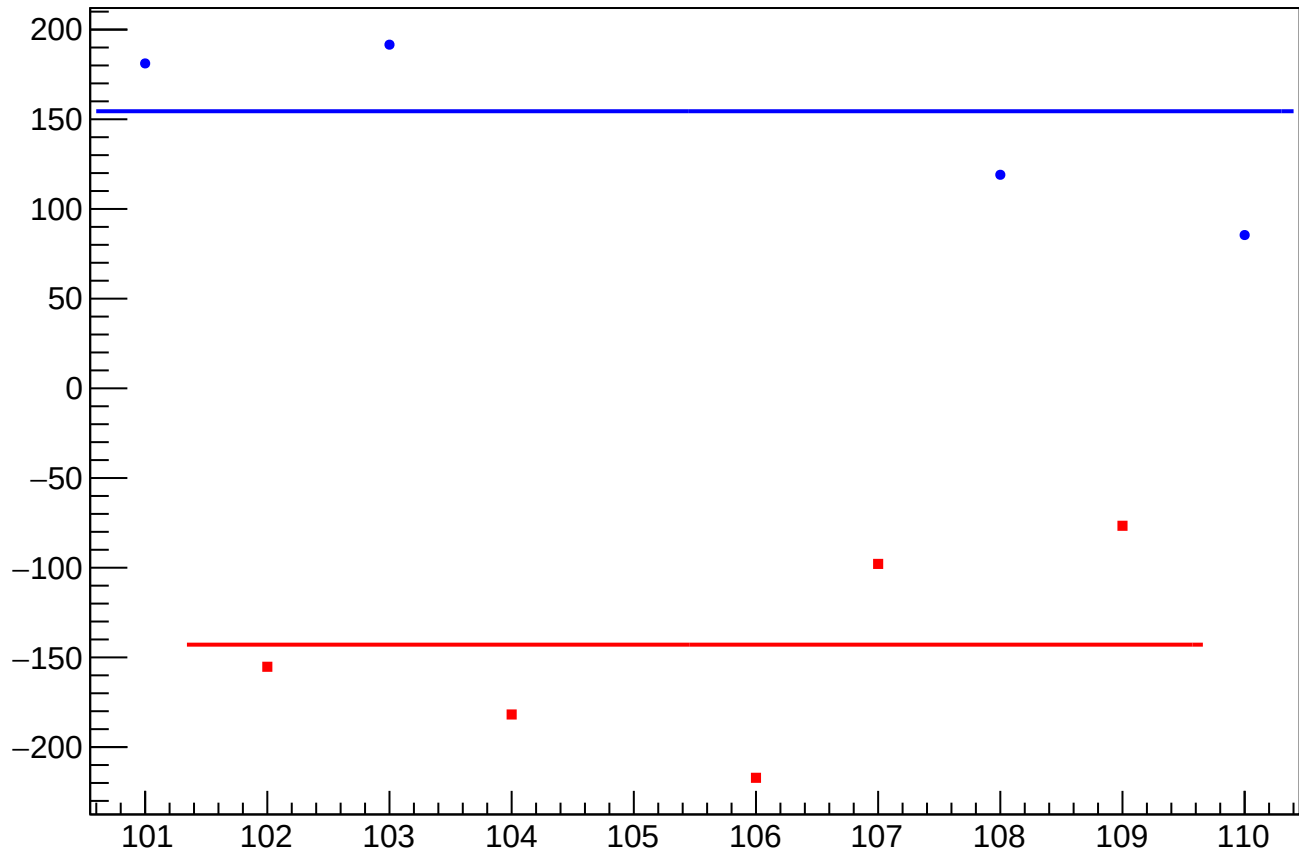
-37.550+/-0.000  $\chi^2/\text{NDF}$ : 406492965813

Right Out: 200.398+/-0.000  $\chi^2/\text{NDF}$ : 9458487556326963521706486889575350272.0/4

200.398+/-0.000  $\chi^2/\text{NDF}$ : 94584875563269635

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

dit\_sam1\_coil3\_err\_mean vs Slug, Sign Corrected



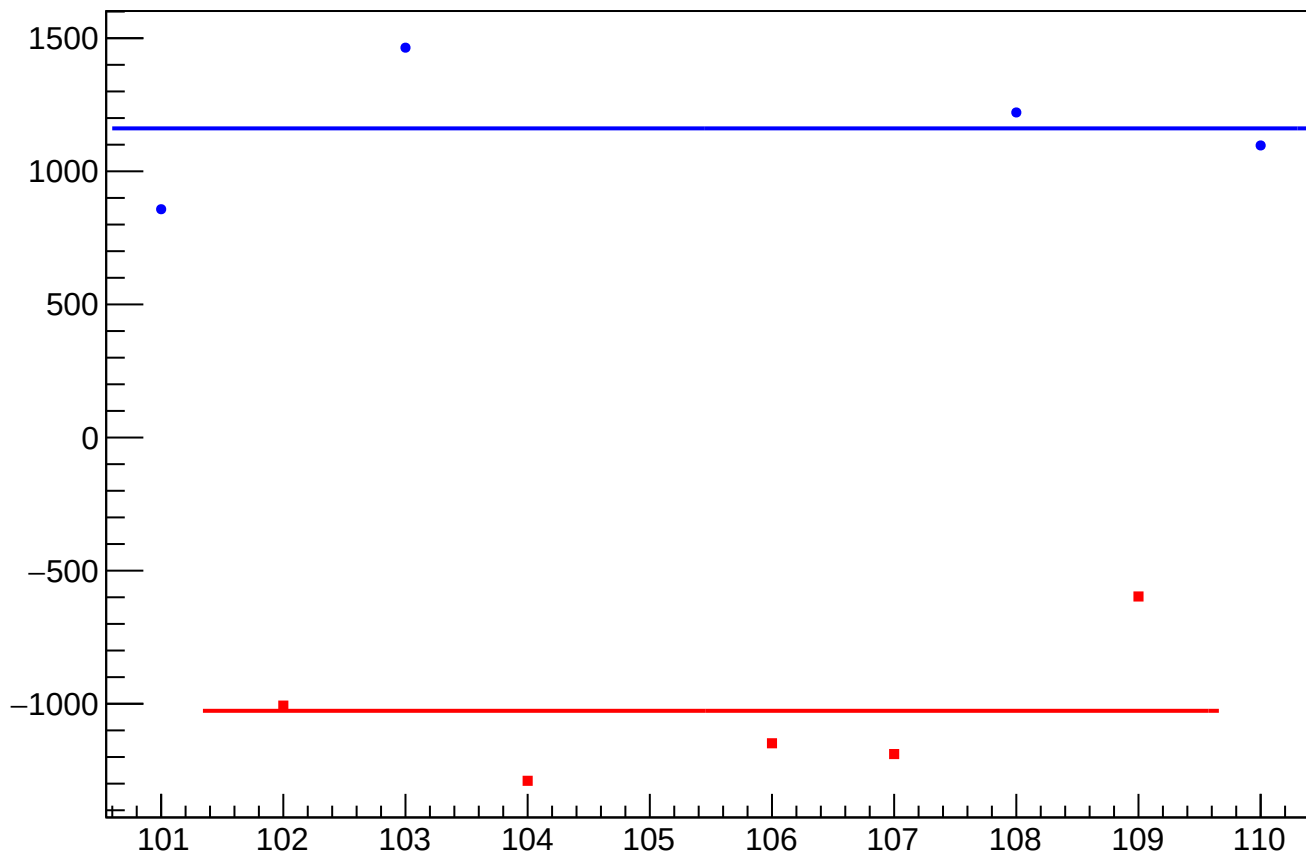
Right In: 154.480+/-0.000  $\chi^2/\text{NDF}$ : 337580327352809522167719449719734272.0/3

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

Right Out: -142.898+/-0.000  $\chi^2/\text{NDF}$ : 553831329690797883536129075315736576.0/4

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

dit\_sam1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



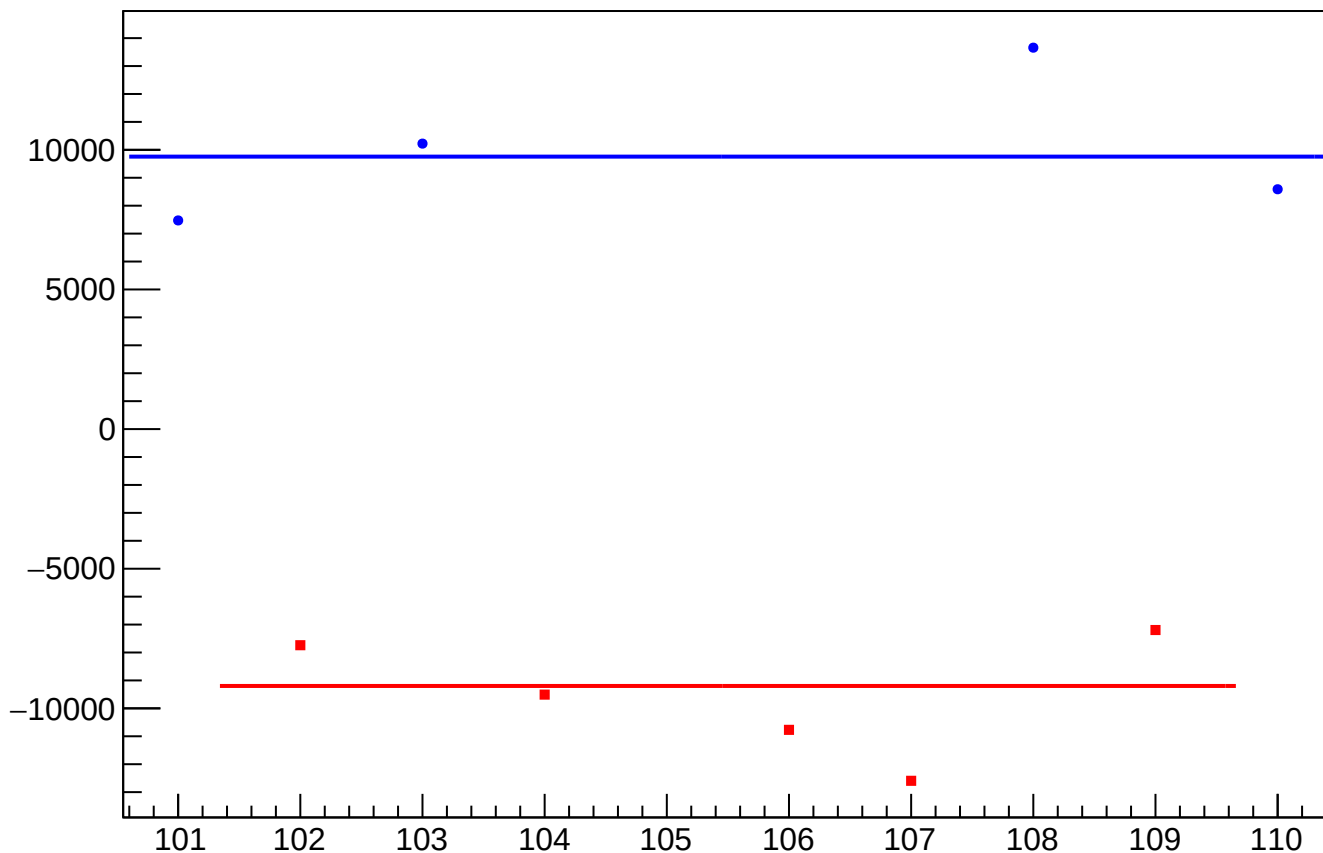
Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

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

dit\_sam2\_coil3\_mean vs Slug, Sign Corrected



Right In: 9756.922+/-0.000  $\chi^2/\text{NDF}$ : 947046823712486441942779413543046348800.0/3

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

Right Out: -9198.229+/-0.000  $\chi^2/\text{NDF}$ : 824755529207958959445224832452878401536.0/4

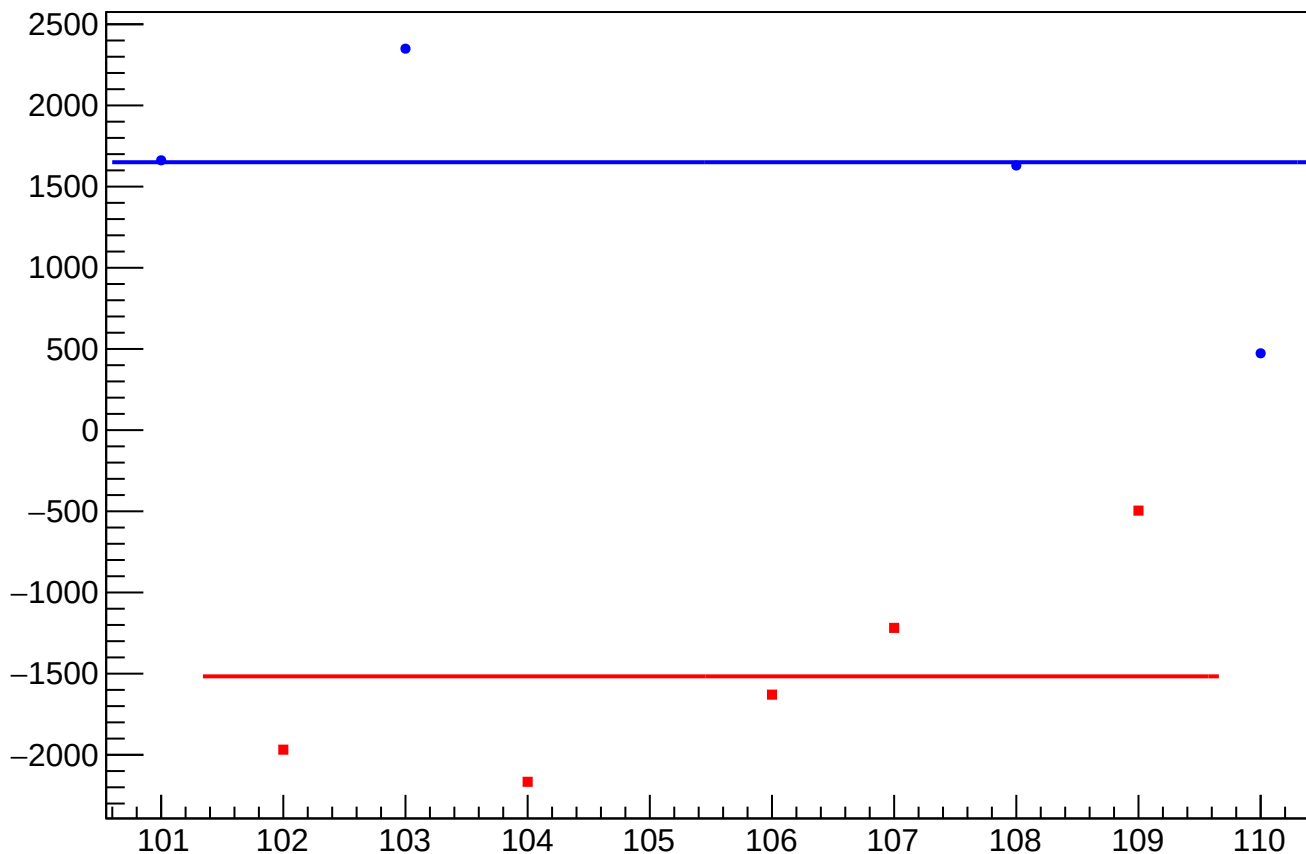
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

9756.922+/-0.000  $\chi^2/\text{NDF}$ : 9470468237124864

-536.904+/-0.000  $\chi^2/\text{NDF}$ : 39039916672

-9198.229+/-0.000  $\chi^2/\text{NDF}$ : 824755529207958

dit\_sam2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 1650.213+/-0.000  $\chi^2/\text{NDF}$ : 77375717108621836056659157064934752256.0/3

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

Right Out: -1516.630+/-0.000  $\chi^2/\text{NDF}$ : 90092567528605573272865690563530194944.0/4

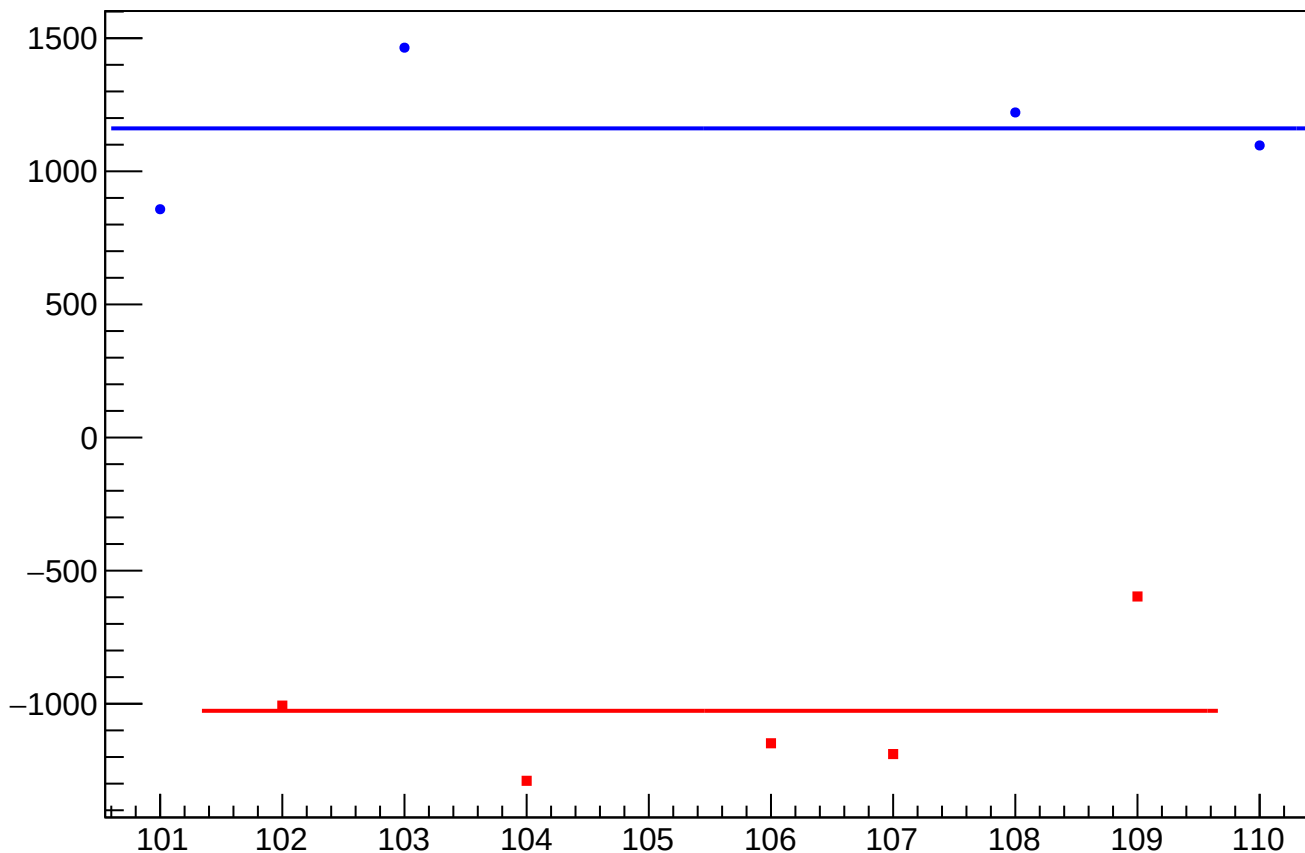
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1650.213+/-0.000  $\chi^2/\text{NDF}$ : 7737571710862183

-69.580+/-0.000  $\chi^2/\text{NDF}$ : 120771448662

-1516.630+/-0.000  $\chi^2/\text{NDF}$ : 900925675286055

dit\_sam2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

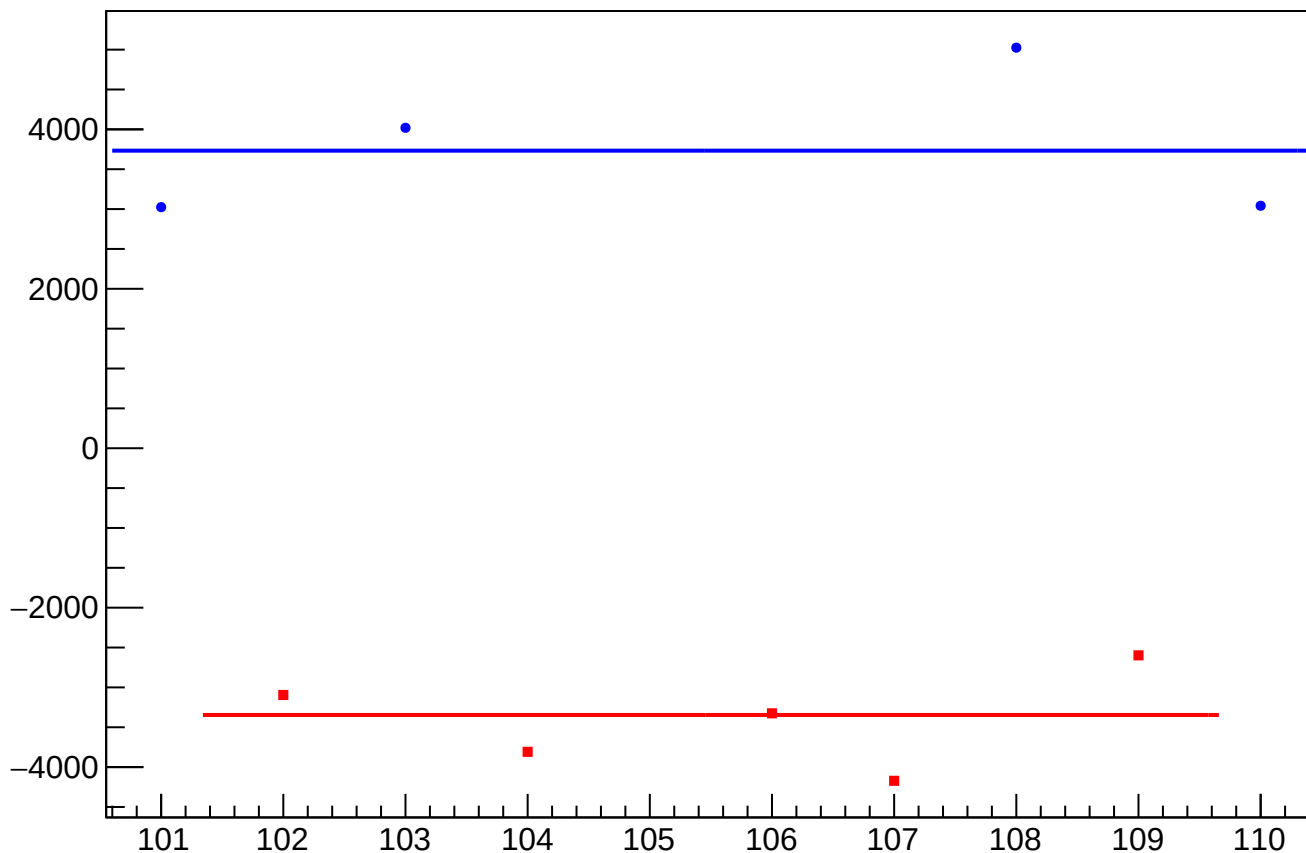
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360

dit\_sam3\_coil3\_mean vs Slug, Sign Corrected



Right In: 3732.836+/-0.000  $\chi^2/\text{NDF}$ : 114611564364347230428329054246560333824.0/3

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

Right Out: -3345.895+/-0.000  $\chi^2/\text{NDF}$ : 67642938406376971576857306898794283008.0/4

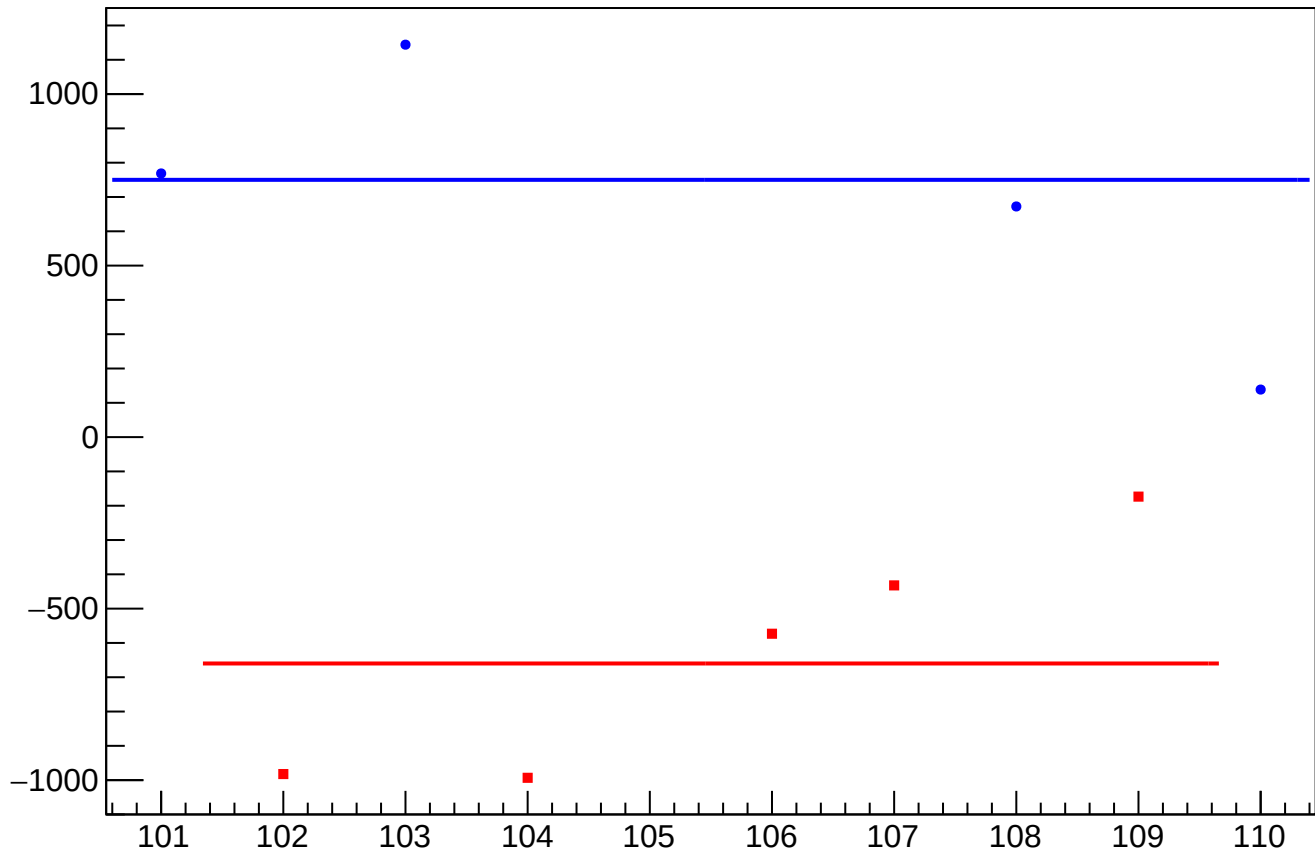
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3732.836+/-0.000  $\chi^2/\text{NDF}$ : 1146115643643472

-111.355+/-0.000  $\chi^2/\text{NDF}$ : 53797443038

-3345.895+/-0.000  $\chi^2/\text{NDF}$ : 676429384063769

dit\_sam3\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 750.016+/-0.000  $\chi^2/\text{NDF}$ : 22493566858969194643273010577059872768.0/3

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

Right Out: -659.902+/-0.000  $\chi^2/\text{NDF}$ : 25856194002818765322556999887965126656.0/4

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

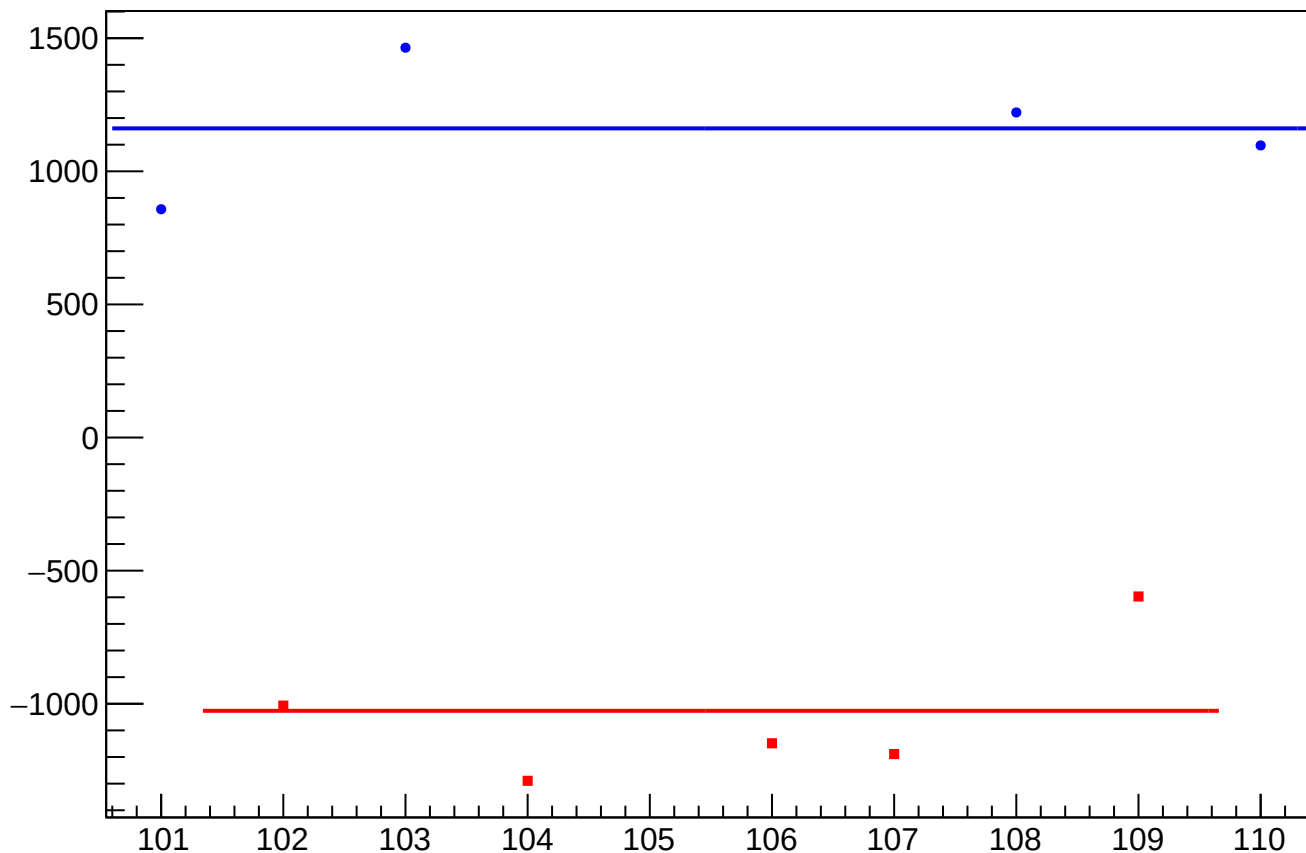
750.016+/-0.000  $\chi^2/\text{NDF}$ : 22493566858969194643273010577059872768.0/3

-15.657+/-0.000  $\chi^2/\text{NDF}$ : 254541210375.0/1

-659.902+/-0.000  $\chi^2/\text{NDF}$ : 25856194002818765322556999887965126656.0/4



dit\_sam3\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

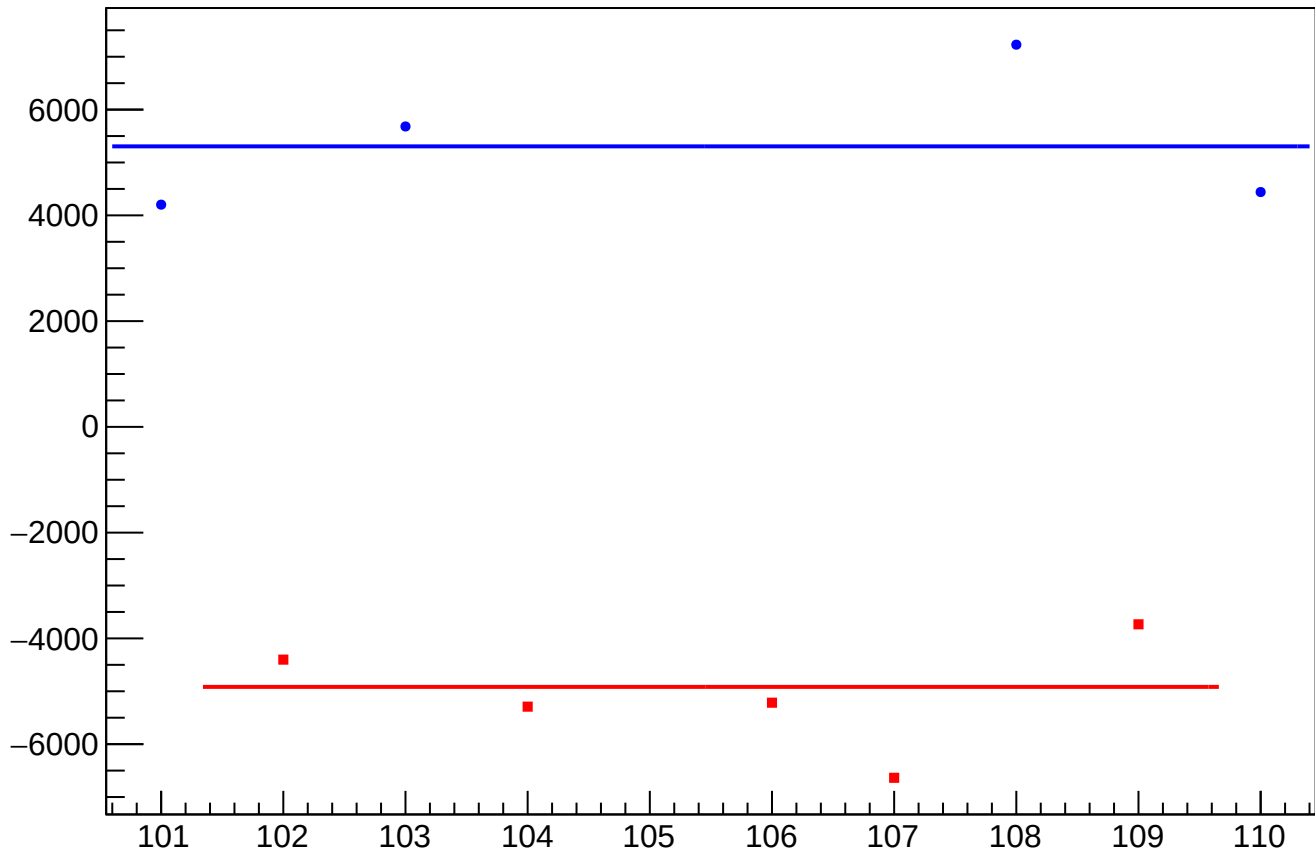
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360

# dit\_sam4\_coil3\_mean vs Slug, Sign Corrected



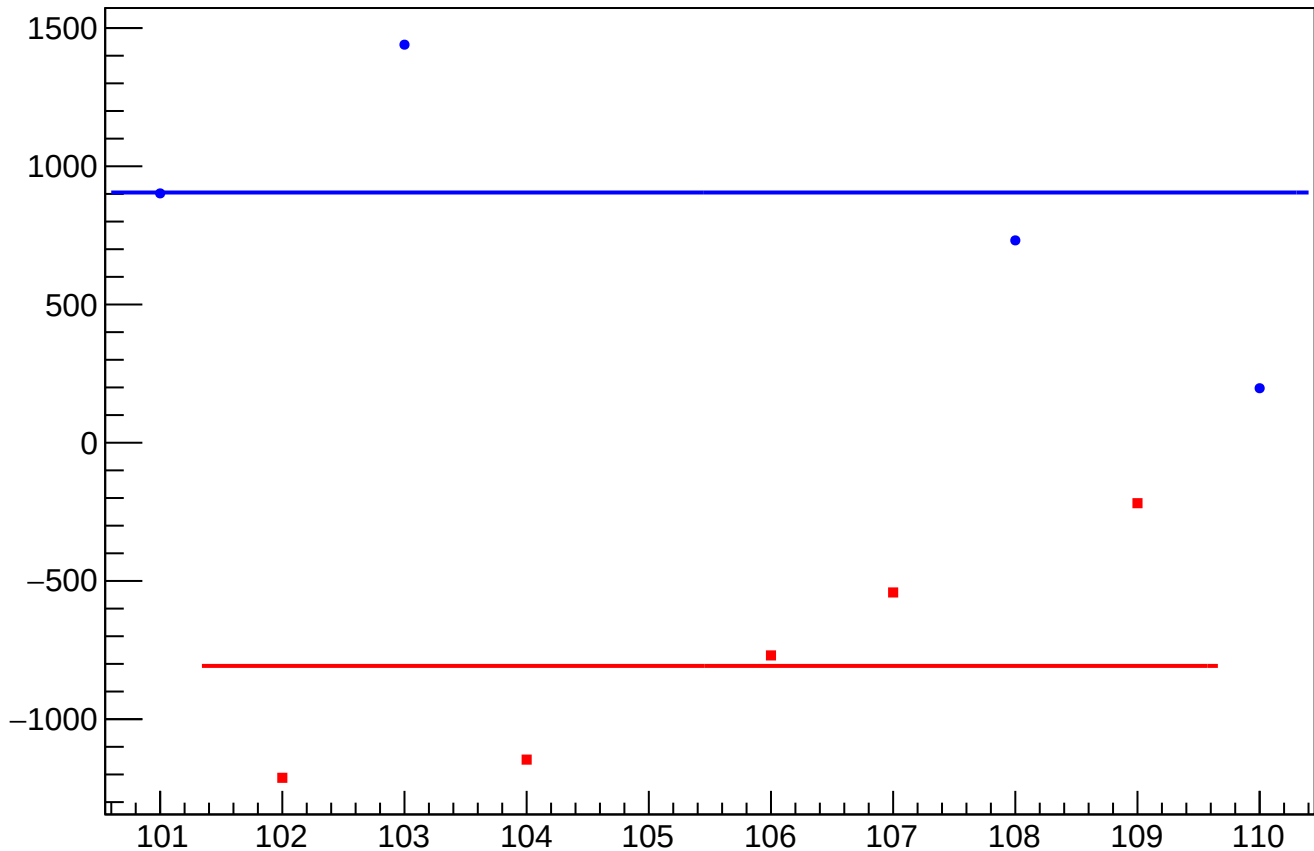
Right In: 5304.865+/-0.000  $\chi^2/\text{NDF}$ : 246717687721860189174174410001252089856.0/3

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

Right Out: -4916.894+/-0.000  $\chi^2/\text{NDF}$ : 203147117906656826934011433976453922816.0/4

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

dit\_sam4\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 905.141+/-0.000  $\chi^2/\text{NDF}$ : 35554016855334437726951368736899072000.0/3

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

905.141+/-0.000  $\chi^2/\text{NDF}$ : 35554016855334437726951368736899072000.0/3

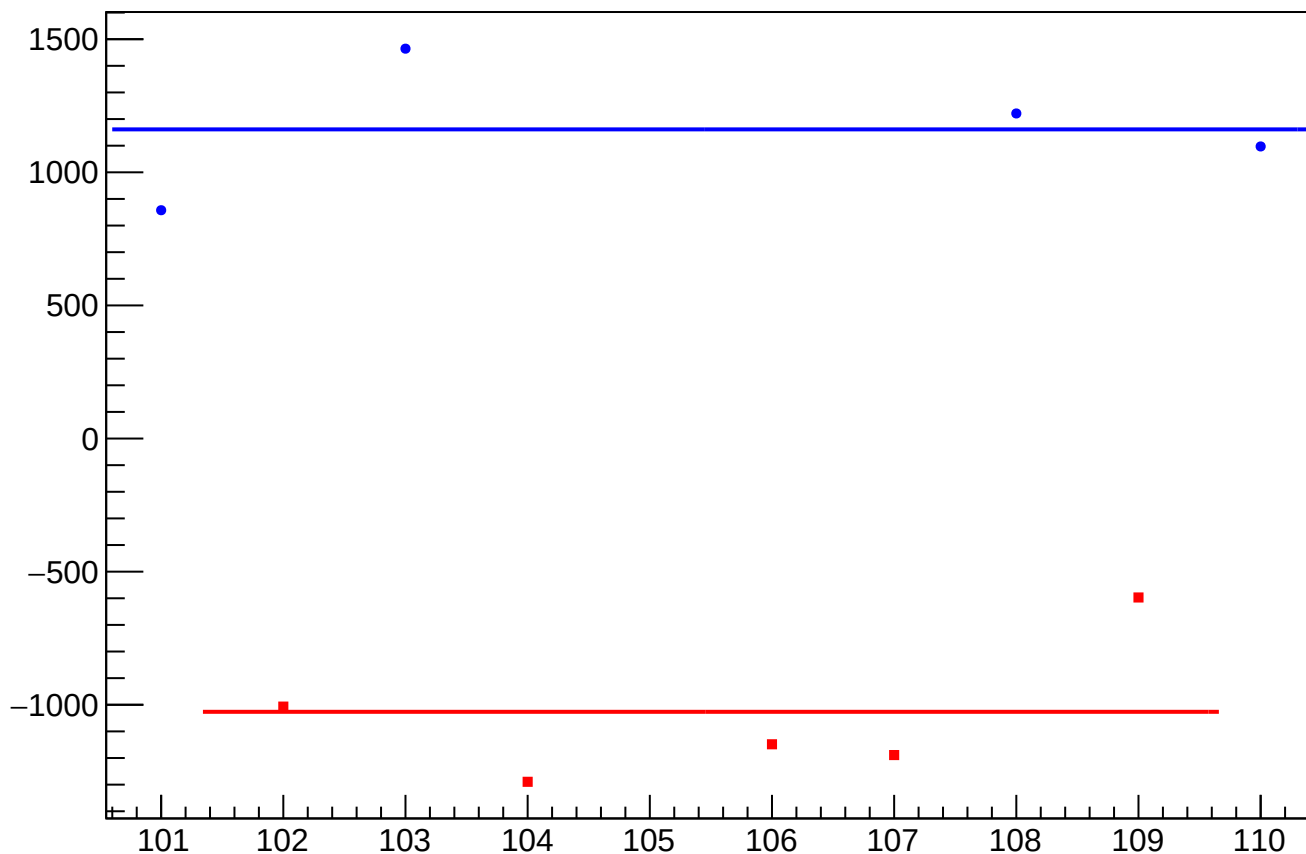
-24.834+/-0.000  $\chi^2/\text{NDF}$ : 375346984696

Right Out: -807.324+/-0.000  $\chi^2/\text{NDF}$ : 35616021250092697657292954825593454592.0/4

-807.324+/-0.000  $\chi^2/\text{NDF}$ : 35616021250092697657292954825593454592.0/4

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

dit\_sam4\_coil3\_Ndata\_mean vs Slug, Sign Corrected



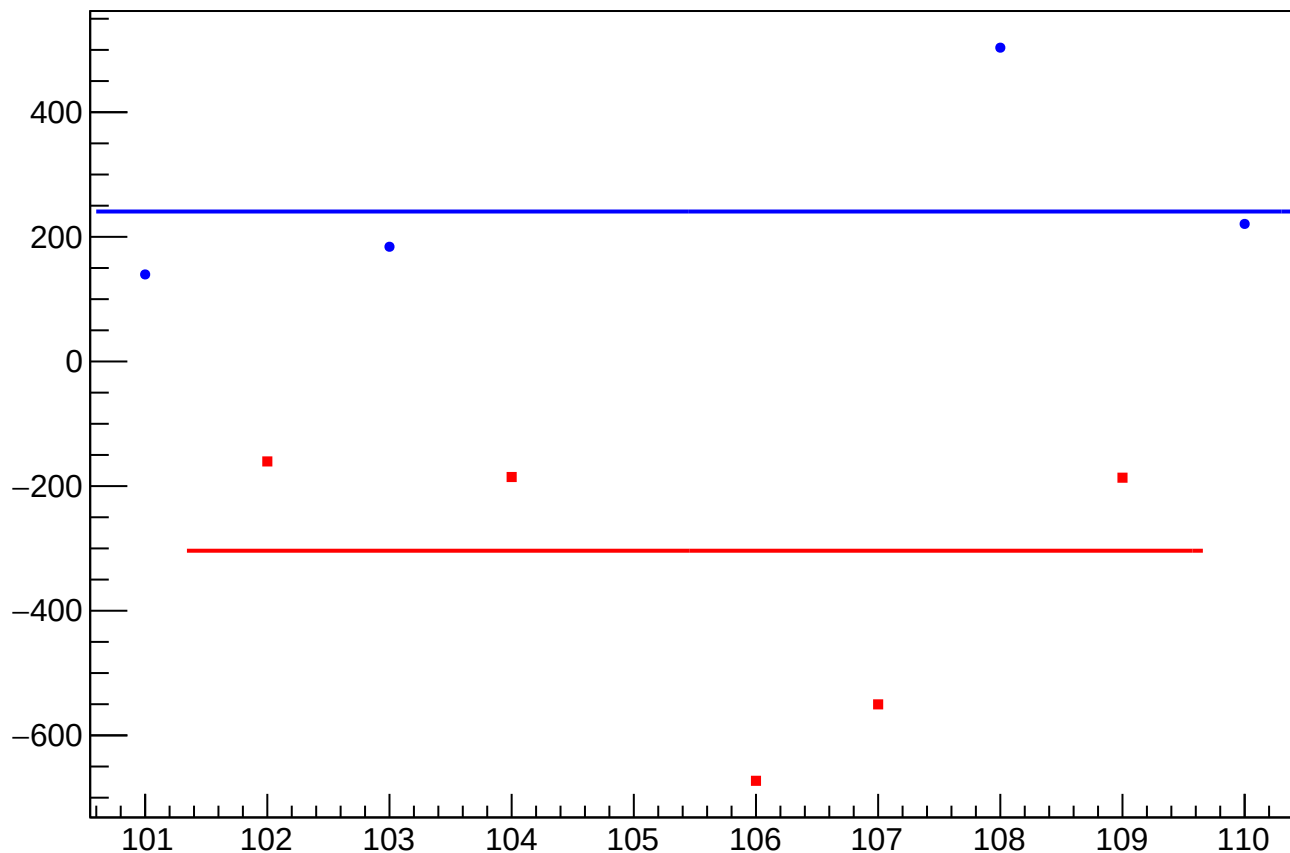
Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

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

# dit\_sam5\_coil3\_mean vs Slug, Sign Corrected



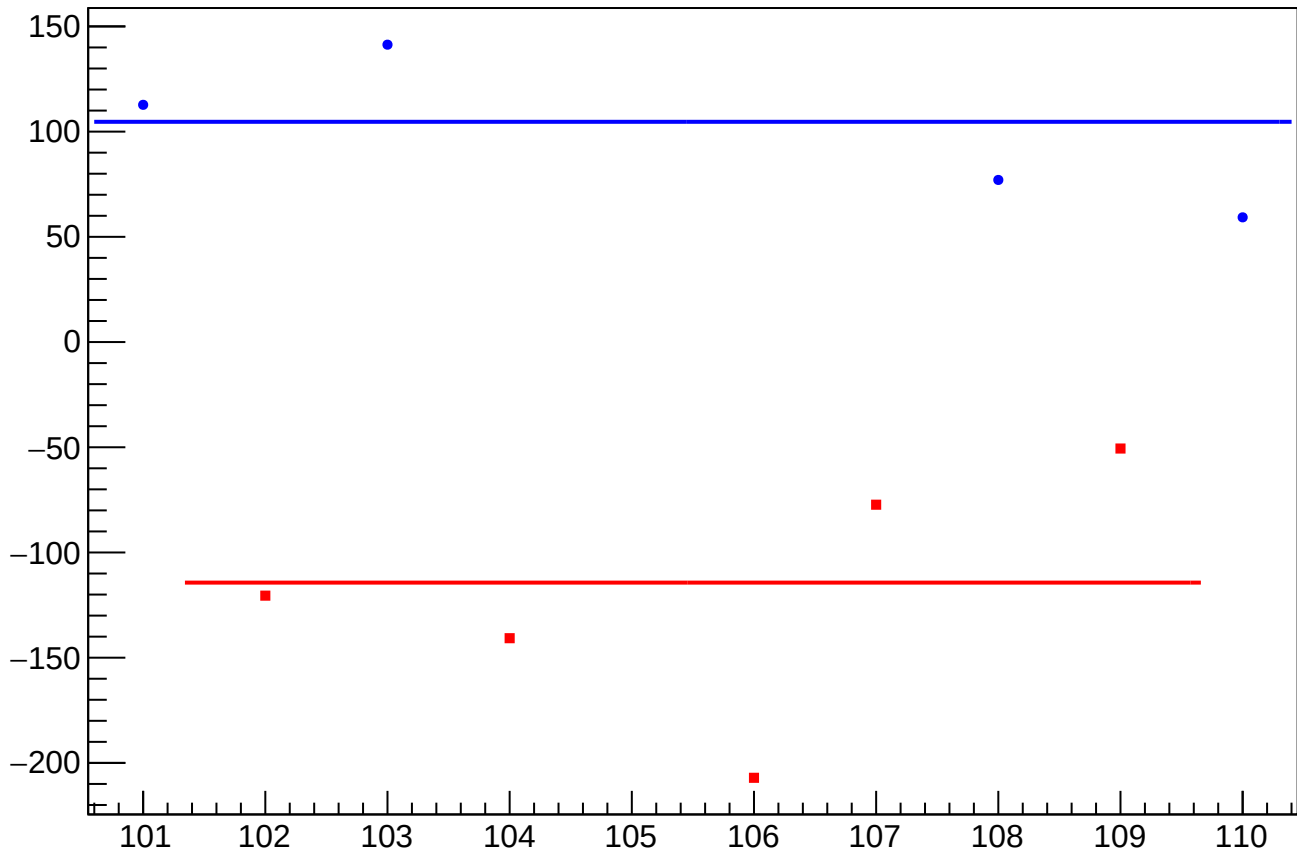
Right In: 240.656+/-0.000  $\chi^2/\text{NDF}$ : 3430978524325520714282070663594246144.0/3

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

Right Out: -303.696+/-0.000  $\chi^2/\text{NDF}$ : 9019092049015997525119669625189040128.0/4

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

dit\_sam5\_coil3\_err\_mean vs Slug, Sign Corrected



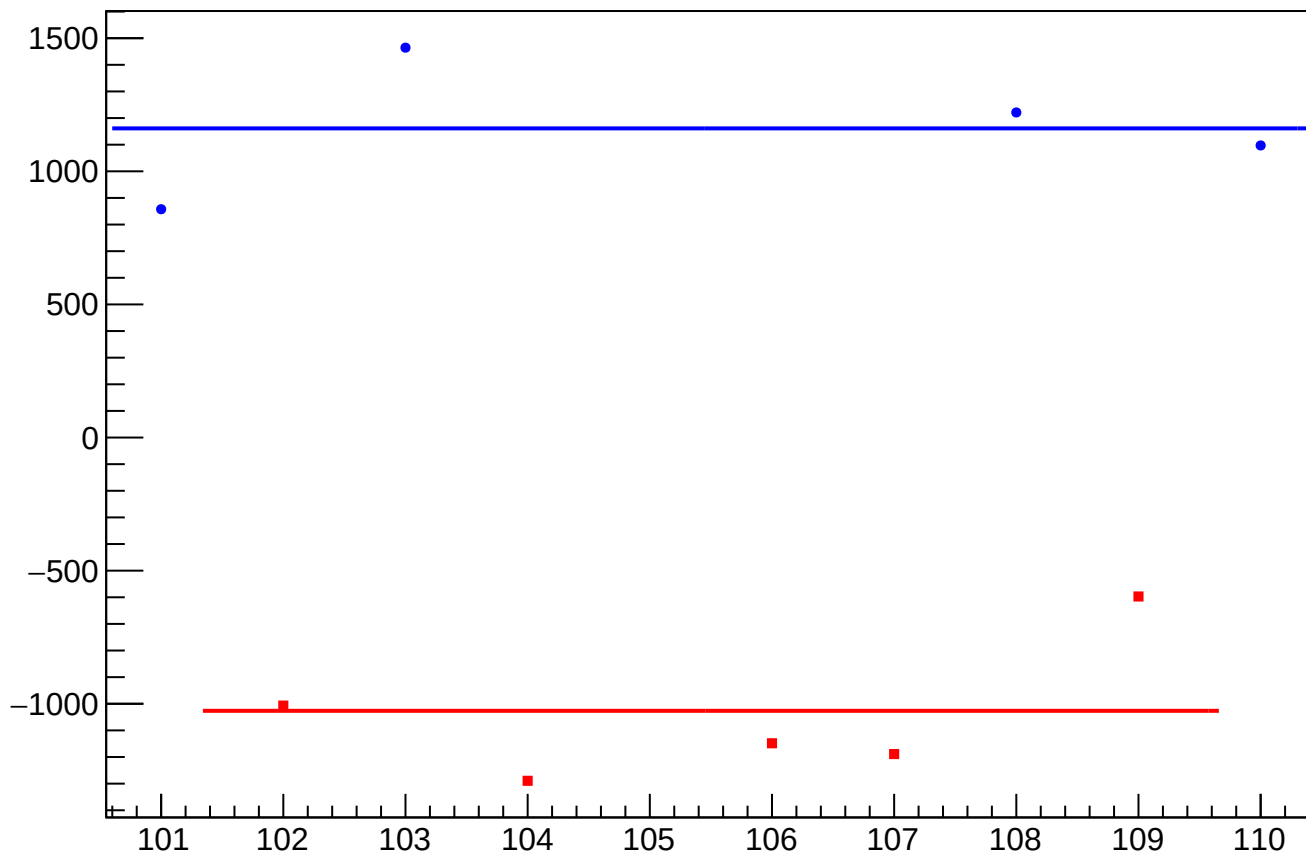
Right In: 104.666+/-0.000  $\chi^2/\text{NDF}$ : 184269185098892435702985911777099776.0/3

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

Right Out: -114.319+/-0.000  $\chi^2/\text{NDF}$ : 560967990489432549560627410656821248.0/4

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

dit\_sam5\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

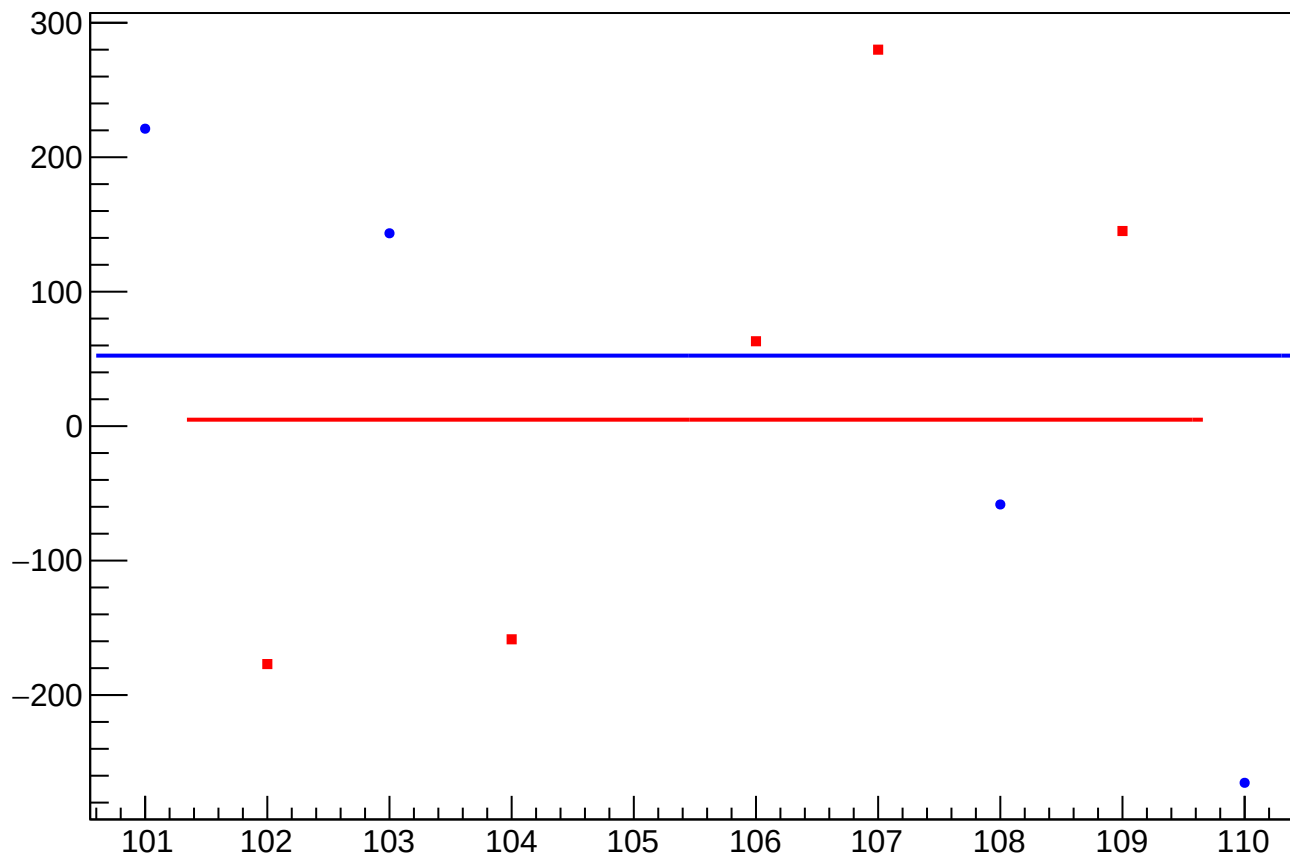
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360

dit\_sam6\_coil3\_mean vs Slug, Sign Corrected



Right In: 52.448+/-0.000  $\chi^2/\text{NDF}$ : 6168087885292564846792067530457350144.0/3

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

Right Out: 4.799+/-0.000  $\chi^2/\text{NDF}$ : 7113113597140769543661690843002044416.0/4

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

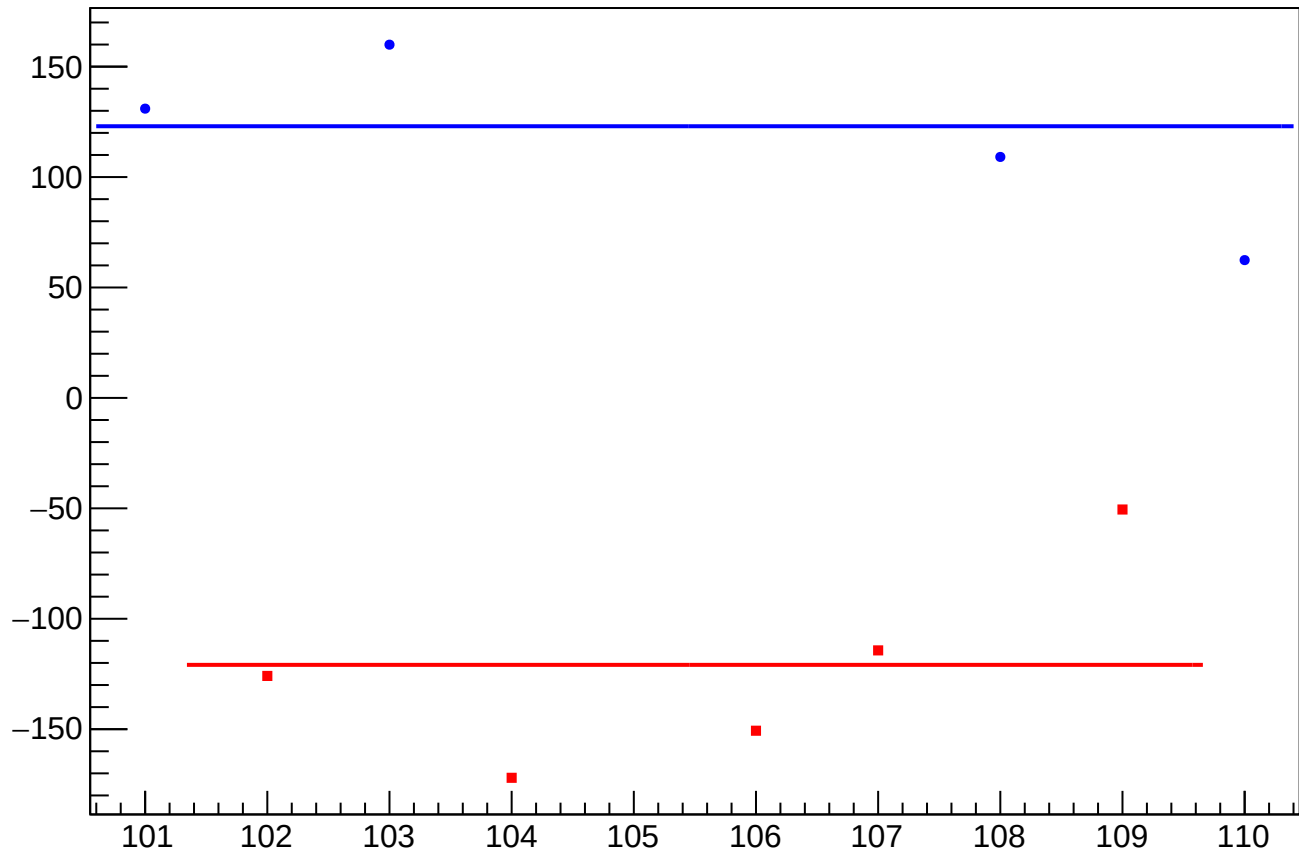
52.448+/-0.000  $\chi^2/\text{NDF}$ : 616808788529256484

26.572+/-0.000  $\chi^2/\text{NDF}$ : 1351669300998

4.799+/-0.000  $\chi^2/\text{NDF}$ : 7113113597140769543



dit\_sam6\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 123.011+/-0.000  $\chi^2/\text{NDF}$ : 220162139287454503619436037558763520.0/3

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

Right Out: -120.872+/-0.000  $\chi^2/\text{NDF}$ : 416286961460313431646148934368231424.0/4

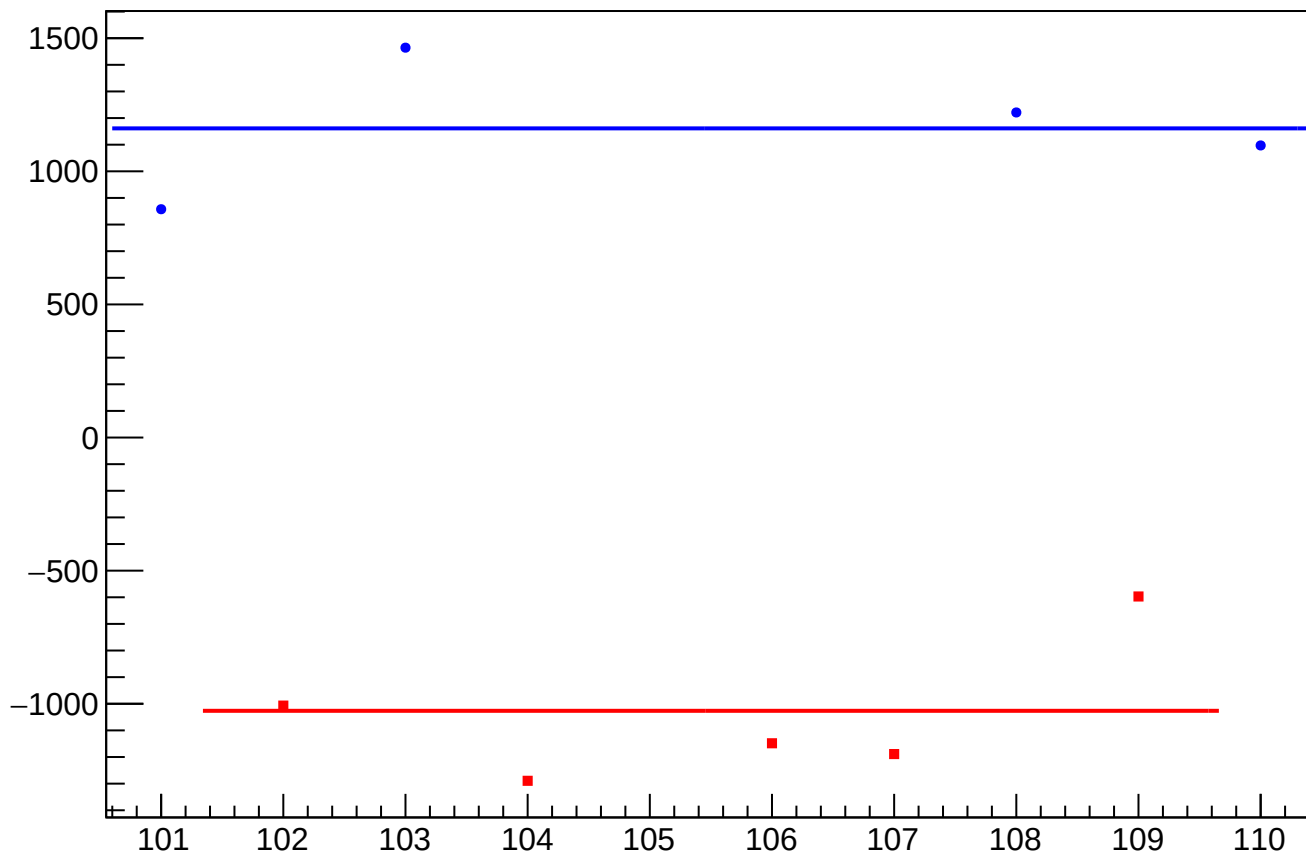
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

123.011+/-0.000  $\chi^2/\text{NDF}$ : 220162139287454503619436037558763520.0/3

-9.432+/-0.000  $\chi^2/\text{NDF}$ : 68058923581150.0/3

-120.872+/-0.000  $\chi^2/\text{NDF}$ : 416286961460313431646148934368231424.0/4

dit\_sam6\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

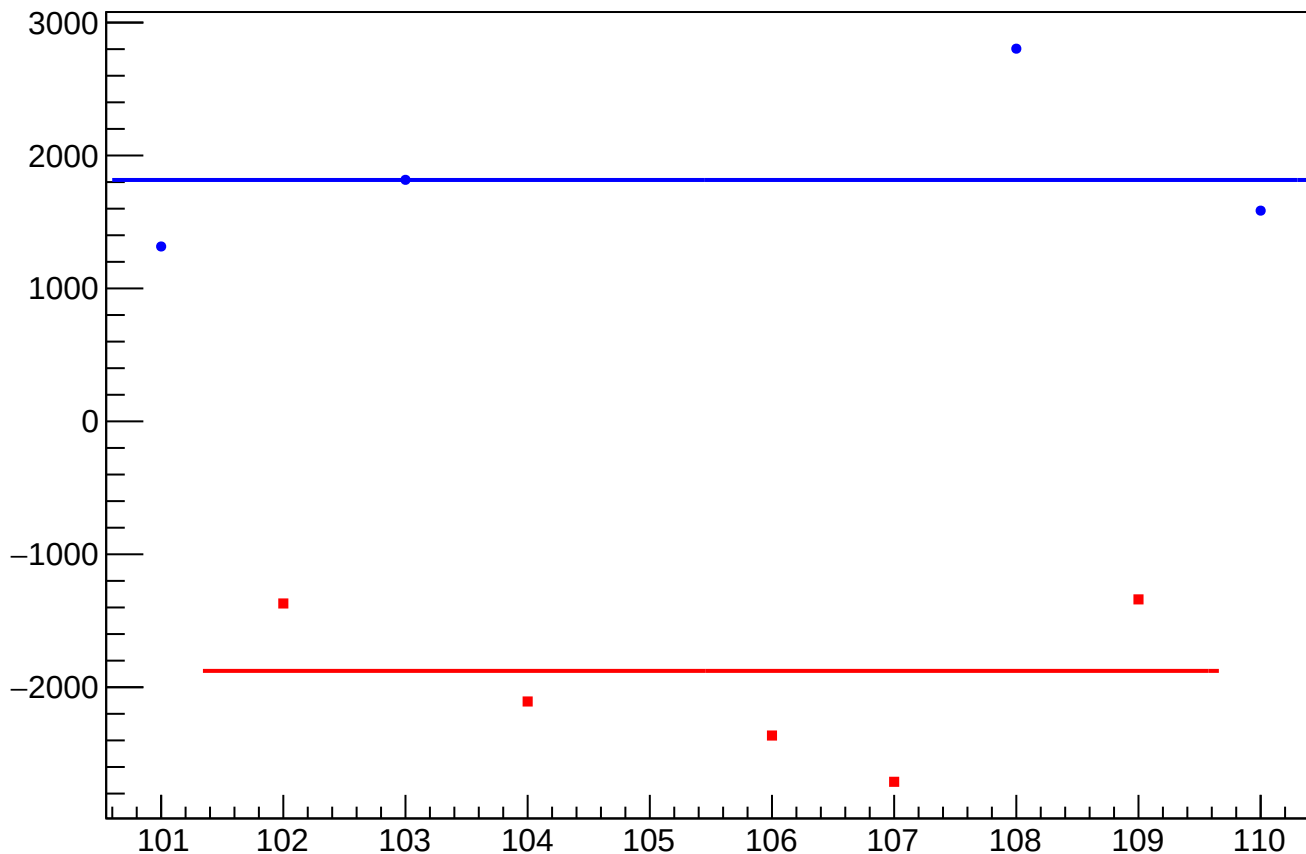
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360

# dit\_sam7\_coil3\_mean vs Slug, Sign Corrected



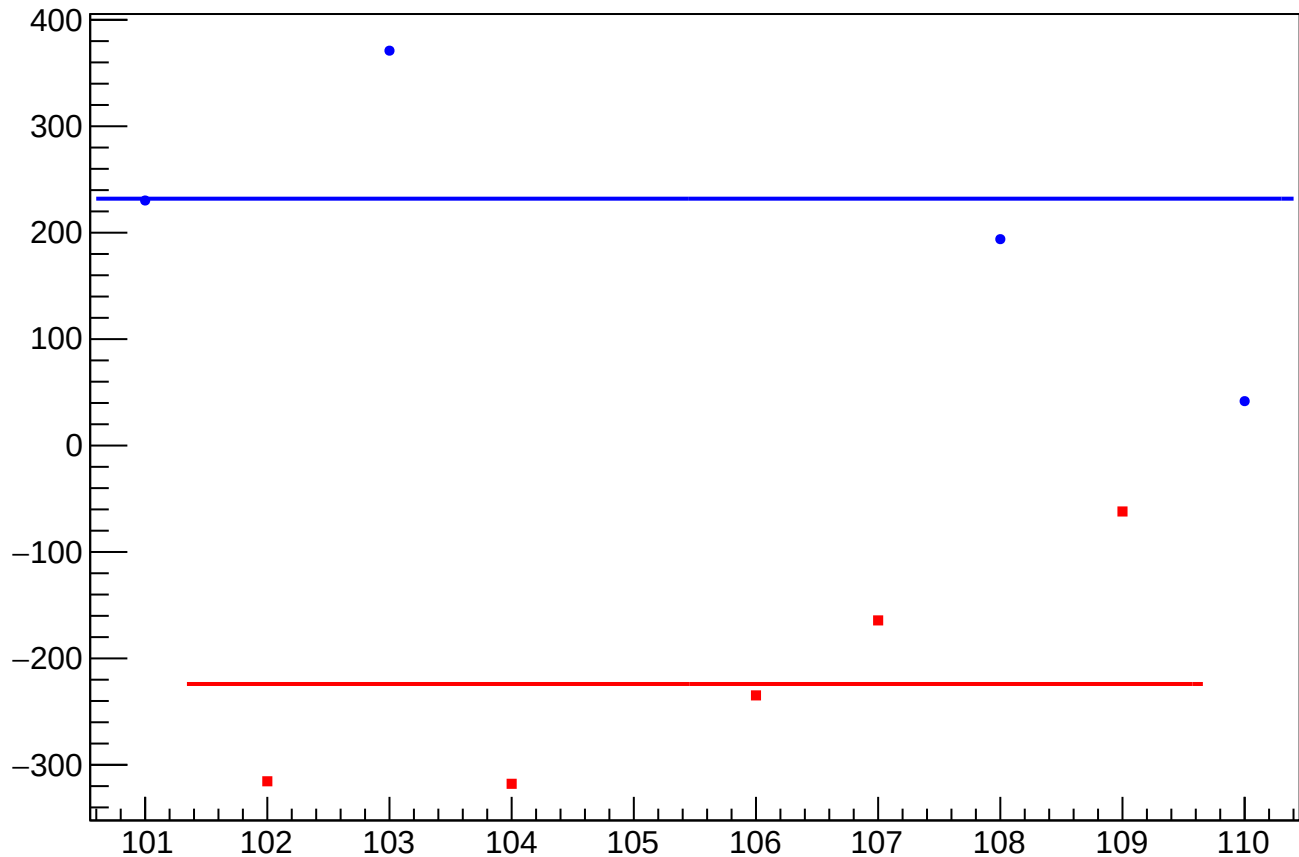
Right In: 1815.877 $\pm$ 0.000  $\chi^2$ /NDF: 53704788114925279491852027147971461120.0/3

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

Right Out: -1877.081 $\pm$ 0.000  $\chi^2$ /NDF: 64761360493729068685115541748665286656.0/4

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

dit\_sam7\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 231.963 $\pm$ 0.000  $\chi^2$ /NDF: 2462725792932009757850761063684898816.0/3

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

Right Out: -224.032 $\pm$ 0.000  $\chi^2$ /NDF: 2405259549766210783471604298520985600.0/4

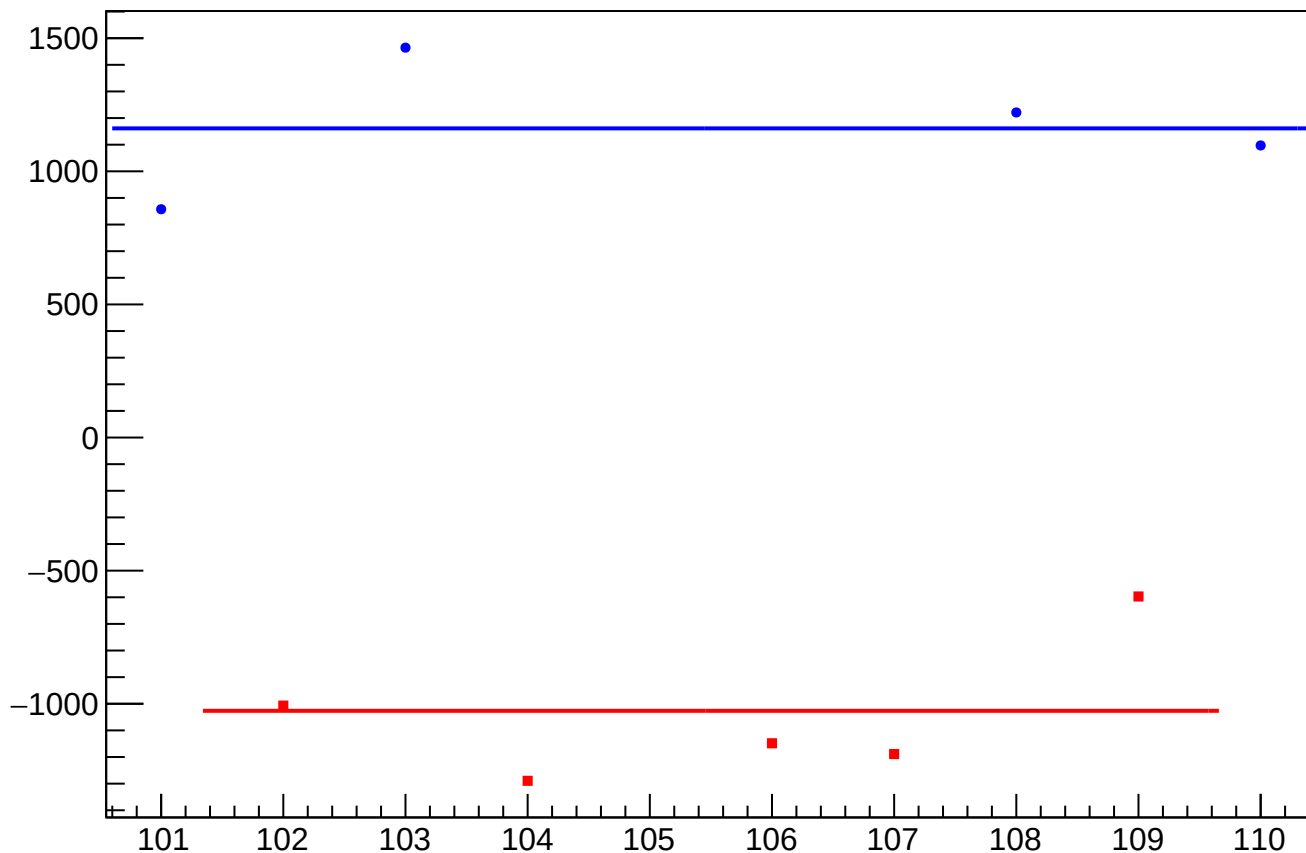
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

231.963 $\pm$ 0.000  $\chi^2$ /NDF: 24627257929320097

-15.671 $\pm$ 0.000  $\chi^2$ /NDF: 264355767446

-224.032 $\pm$ 0.000  $\chi^2$ /NDF: 2405259549766210

dit\_sam7\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

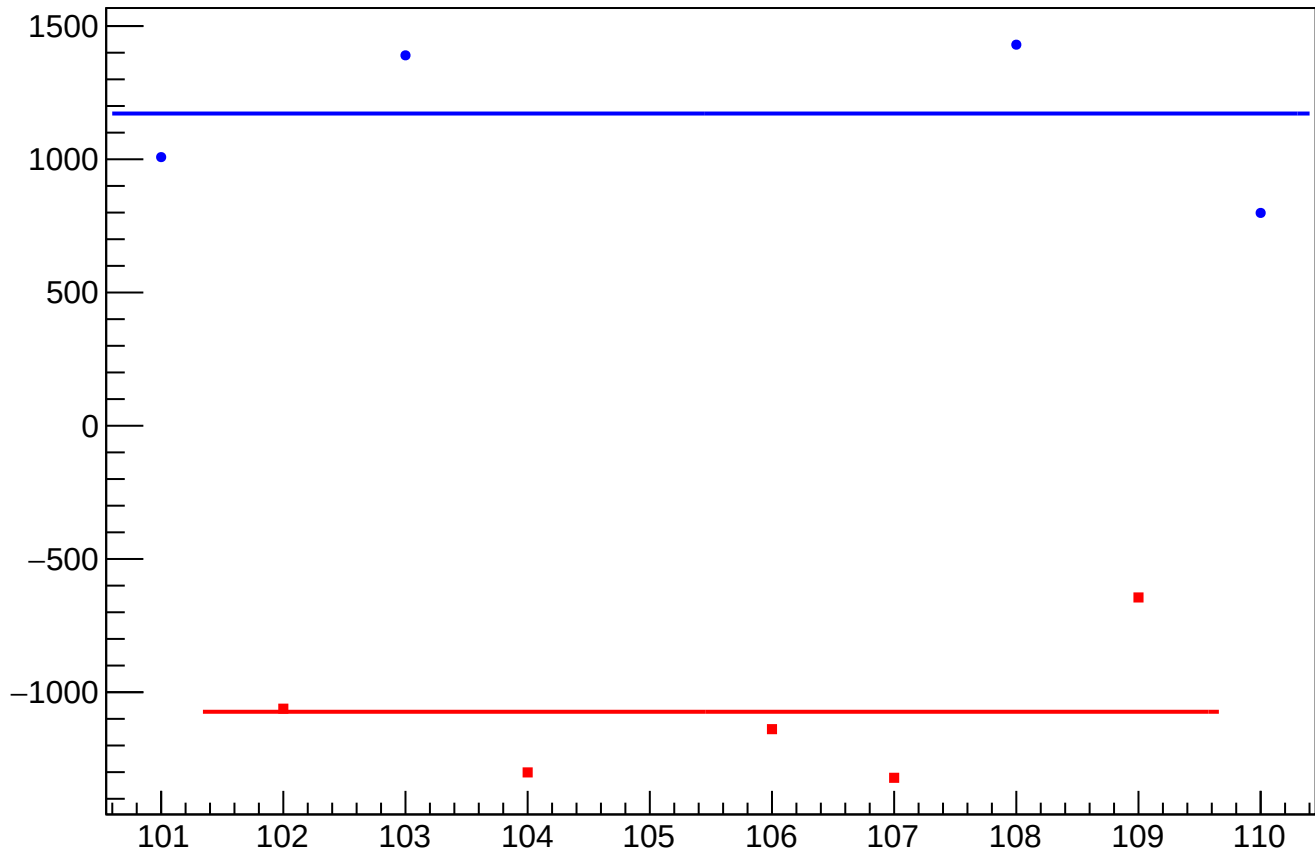
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360

dit\_sam8\_coil3\_mean vs Slug, Sign Corrected



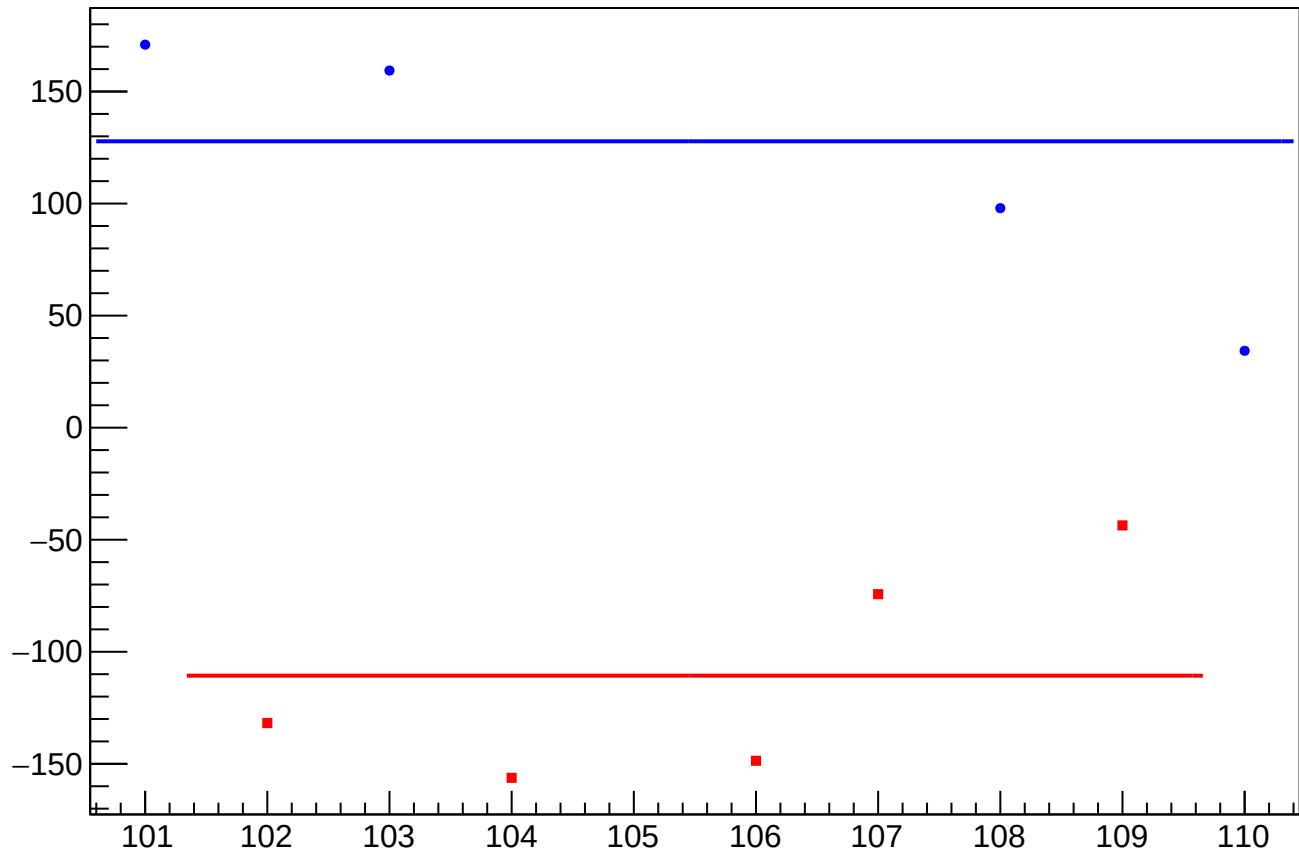
Right In: 1171.719+/-0.000  $\chi^2/\text{NDF}$ : 11798820649579039229752328848584736768.0/3

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

Right Out: -1073.411+/-0.000  $\chi^2/\text{NDF}$ : 14378496360425795220278579392474513408.0/4

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

dit\_sam8\_coil3\_err\_mean vs Slug, Sign Corrected



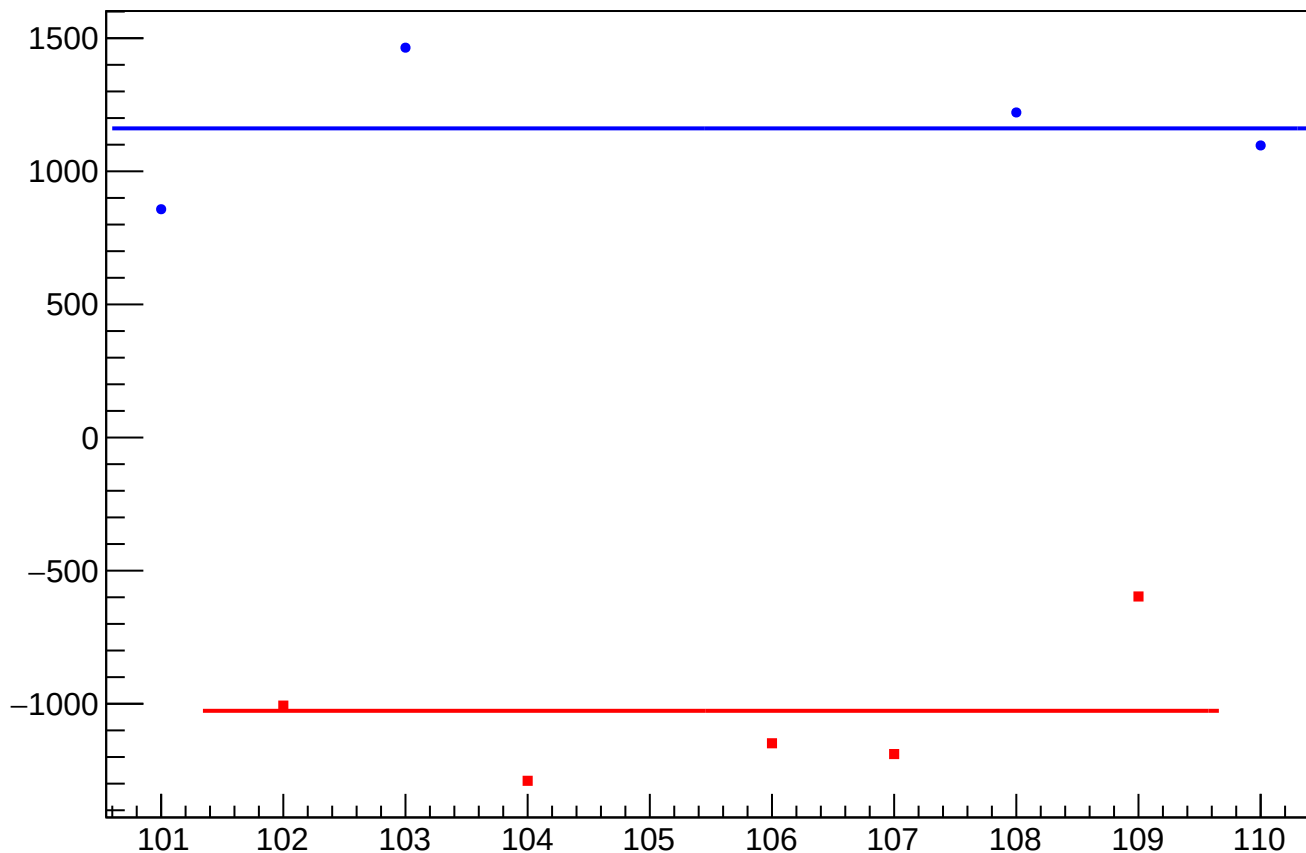
Right In: 127.788 $\pm$ 0.000  $\chi^2$ /NDF: 508199043621673754554450816381485056.0/3

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

Right Out: -110.659 $\pm$ 0.000  $\chi^2$ /NDF: 453421995792744095854951056665477120.0/4

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

dit\_sam8\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1161.257+/-0.000  $\chi^2/\text{NDF}$ : 11141104214969953725468985555882606592.0/3

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

Right Out: -1026.445+/-0.000  $\chi^2/\text{NDF}$ : 14363296438636081585048444903761117184.0/4

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

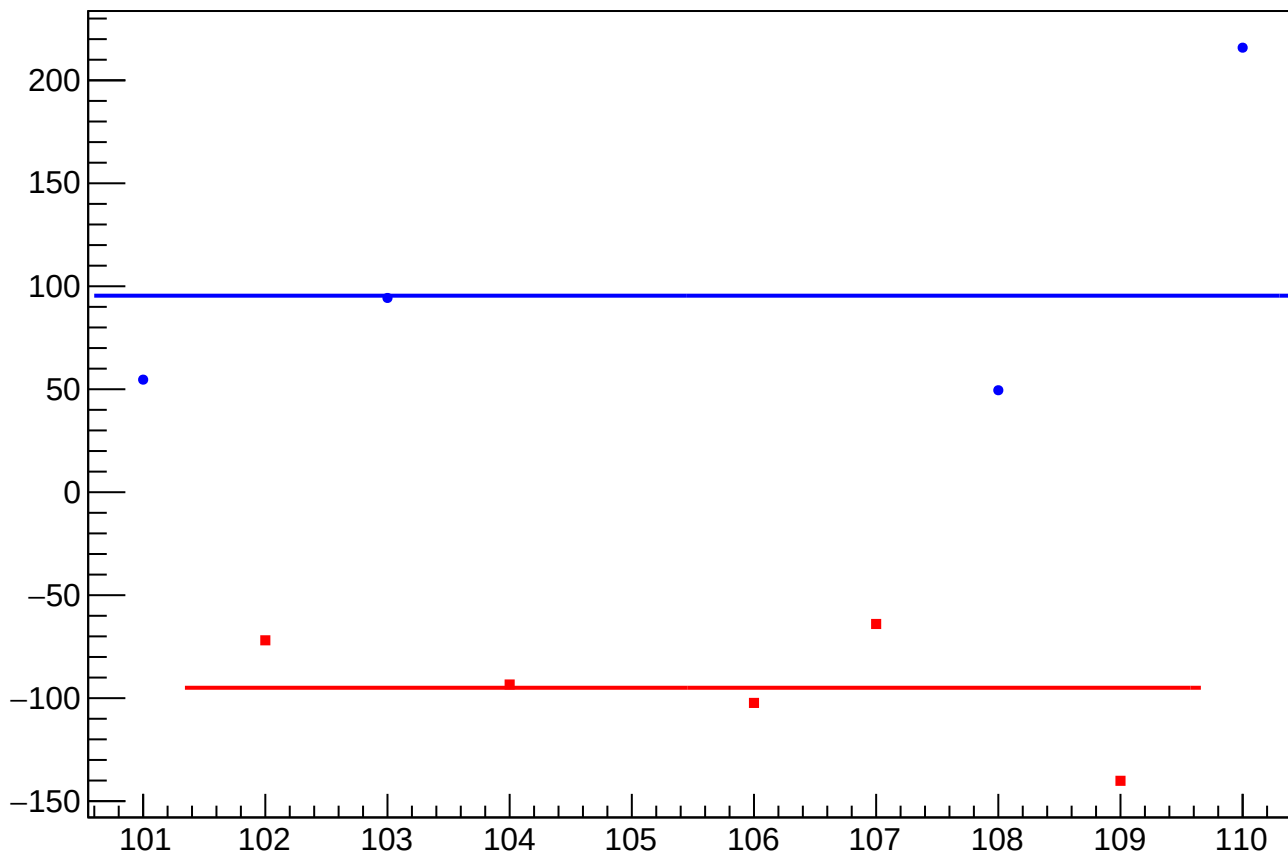
1161.257+/-0.000  $\chi^2/\text{NDF}$ : 1114110421496995

-26.801+/-0.000  $\chi^2/\text{NDF}$ : 521935594681

-1026.445+/-0.000  $\chi^2/\text{NDF}$ : 143632964386360



dit\_4aX\_coil7\_mean vs Slug, Sign Corrected



Right In: 95.431+/-0.000  $\chi^2/\text{NDF}$ : 685808516112907809731921123135717376.0/3

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

Right Out: -94.949+/-0.000  $\chi^2/\text{NDF}$ : 171203056045495873784585358000783360.0/4

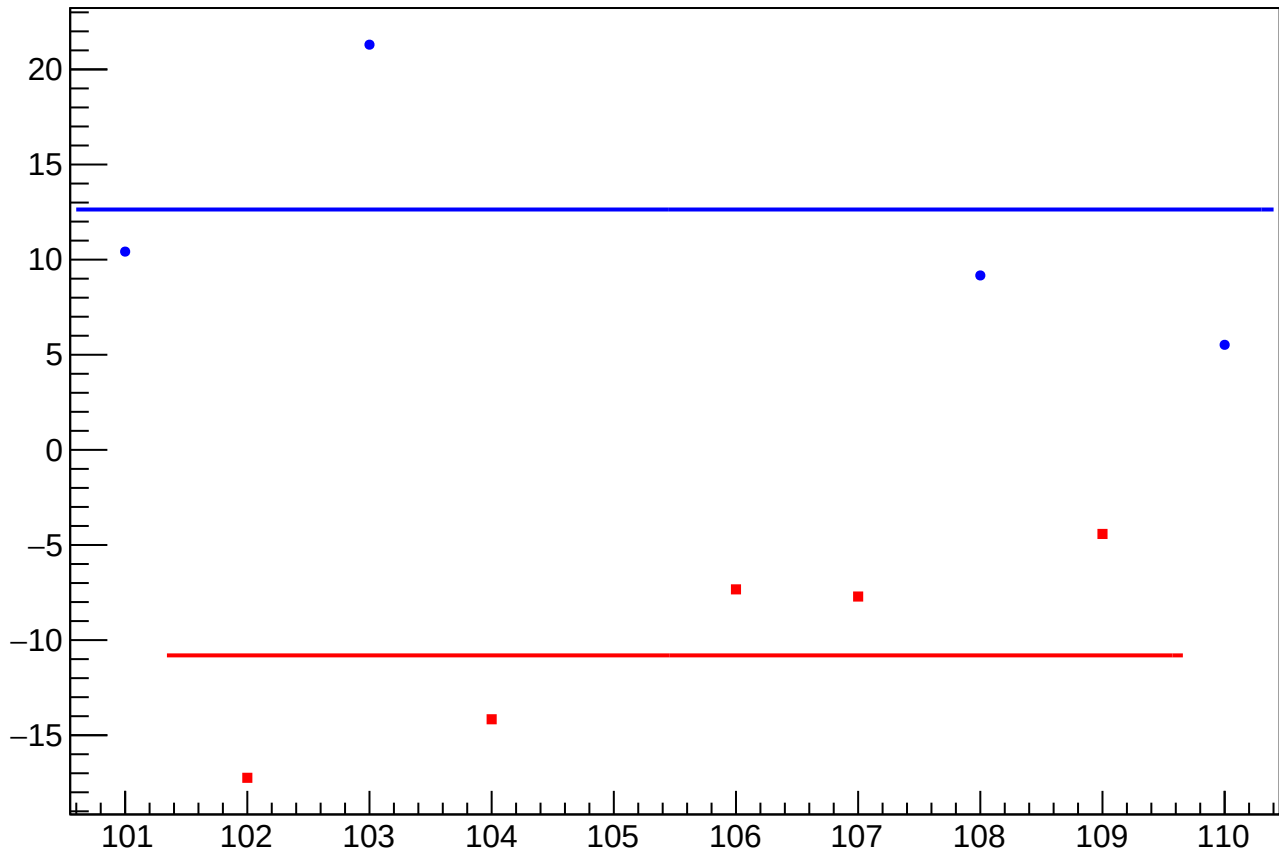
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

95.431+/-0.000  $\chi^2/\text{NDF}$ : 685808516112907809731921123135717376.0/3

-7.957+/-0.000  $\chi^2/\text{NDF}$ : 46164503973007.0/3

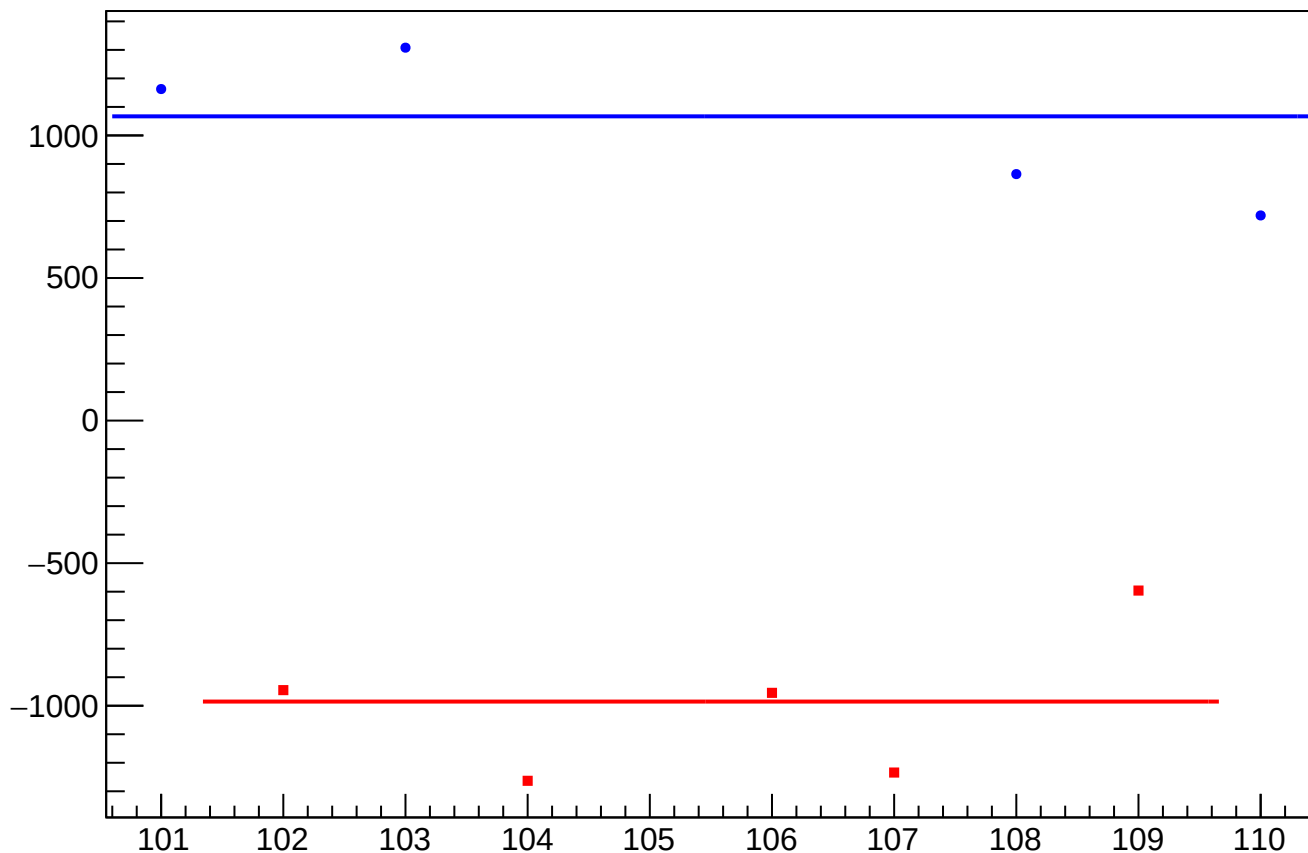
-94.949+/-0.000  $\chi^2/\text{NDF}$ : 171203056045495873784585358000783360.0/4

dit\_4aX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 12.635+/-0.000  $\chi^2/\text{NDF}$ : 6945944588918798166463965986553856.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -10.803+/-0.000  $\chi^2/\text{NDF}$ : 5772978906835142268373947381710848.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

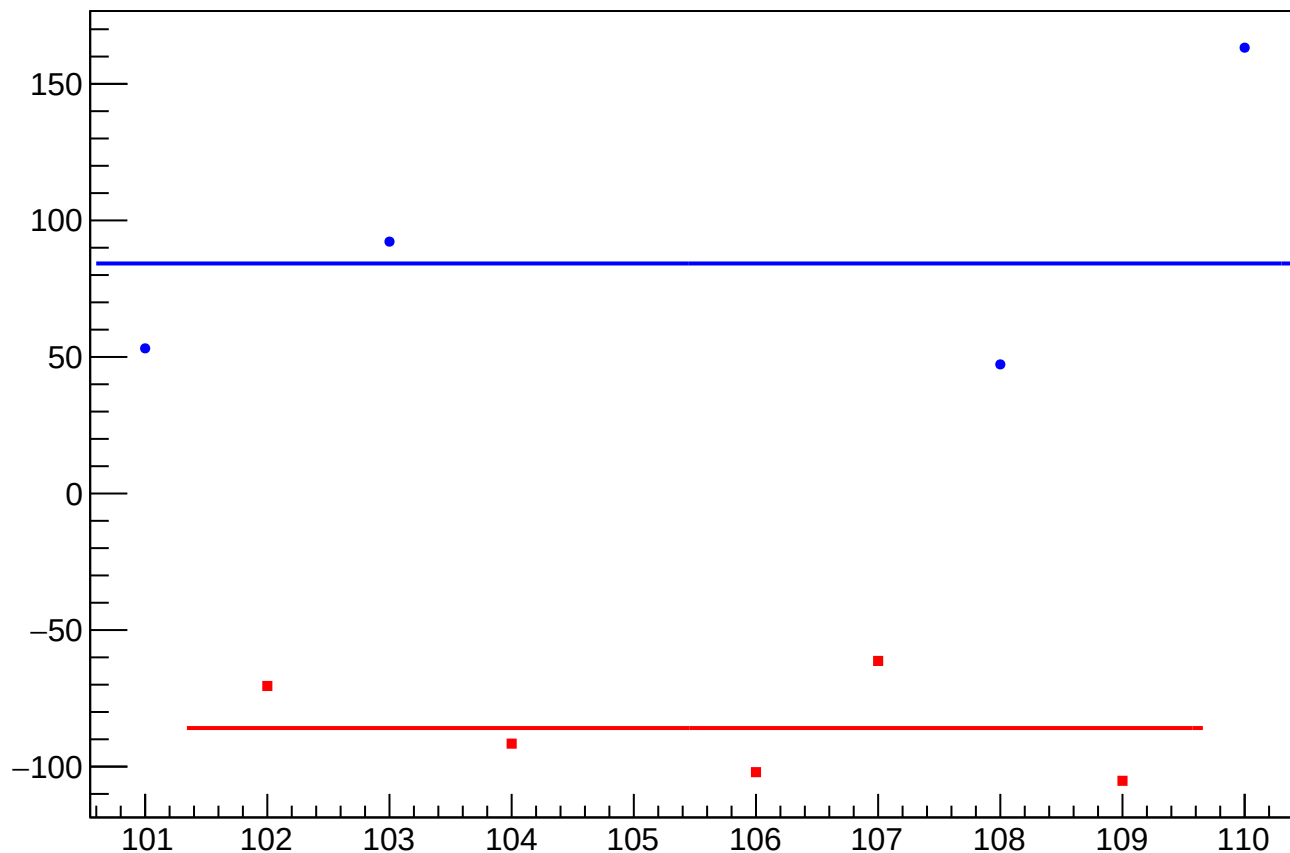
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/1

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

dit\_4eX\_coil7\_mean vs Slug, Sign Corrected



Right In: 84.234+/-0.000  $\chi^2/\text{NDF}$ : 331220871637642576299977348411817984.0/3

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

Right Out: -85.876+/-0.000  $\chi^2/\text{NDF}$ : 64284592382326204526381362204114944.0/4

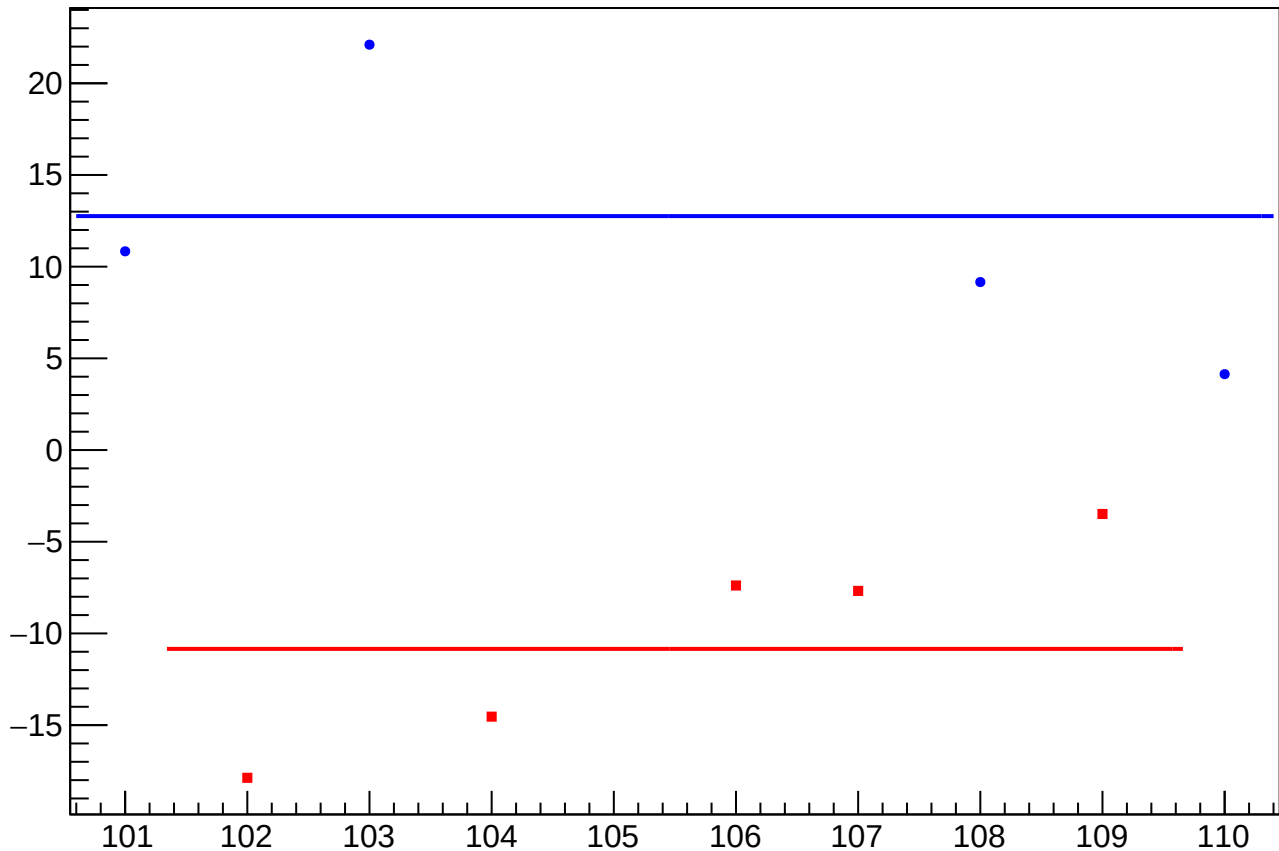
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

84.234+/-0.000  $\chi^2/\text{NDF}$ : 331220871637642576

-8.146+/-0.000  $\chi^2/\text{NDF}$ : 3397058350556

-85.876+/-0.000  $\chi^2/\text{NDF}$ : 64284592382326204

dit\_4eX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 12.757+/-0.000  $\chi^2/\text{NDF}$ : 8464897905277252141095595303501824.0/3

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

12.757+/-0.000  $\chi^2/\text{NDF}$ : 846489790527725214

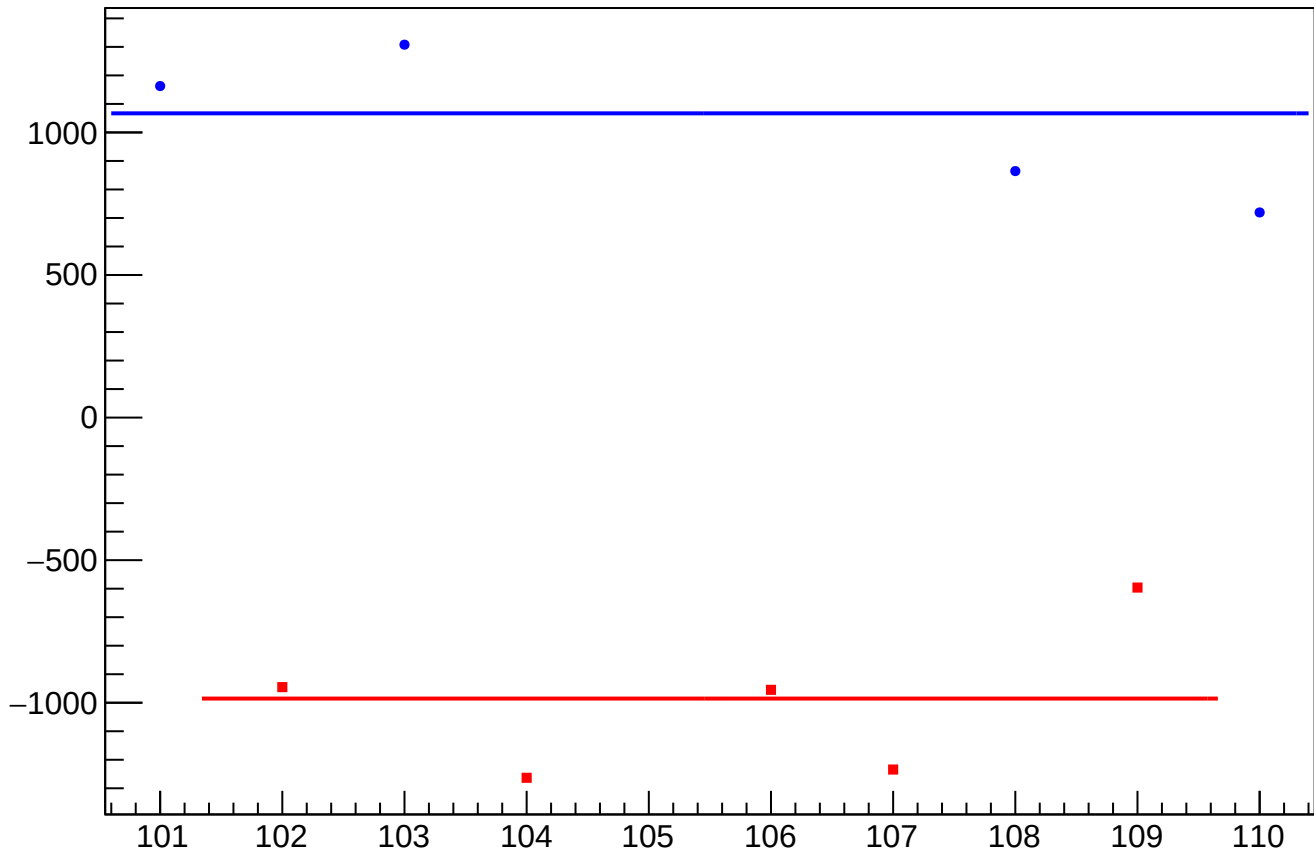
Right Out: -10.843+/-0.000  $\chi^2/\text{NDF}$ : 7053240567710203250040577024065536.0/4

-0.059+/-0.000  $\chi^2/\text{NDF}$ : 7328920431459

-10.843+/-0.000  $\chi^2/\text{NDF}$ : 70532405677102032

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

dit\_4eX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

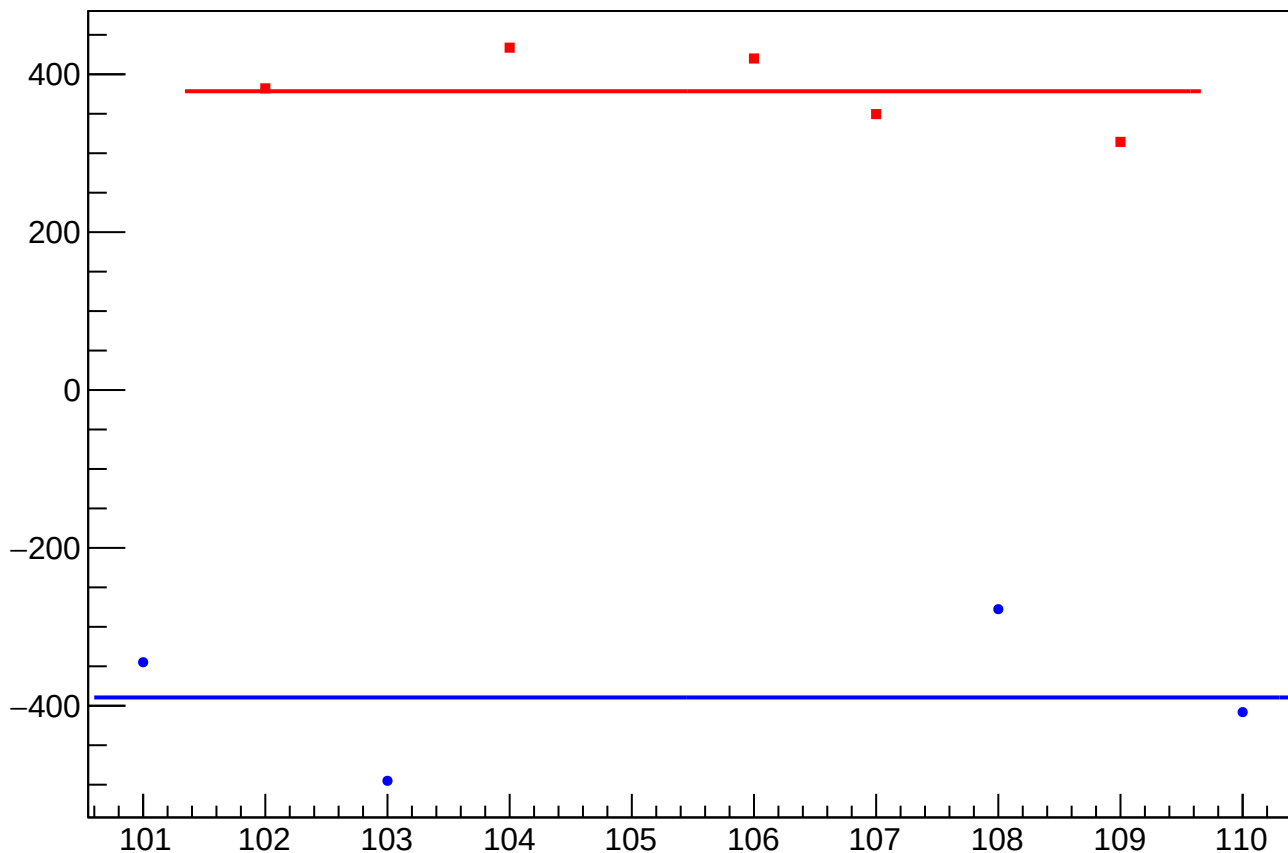
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

# dit\_11X12X\_coil7\_mean vs Slug, Sign Corrected



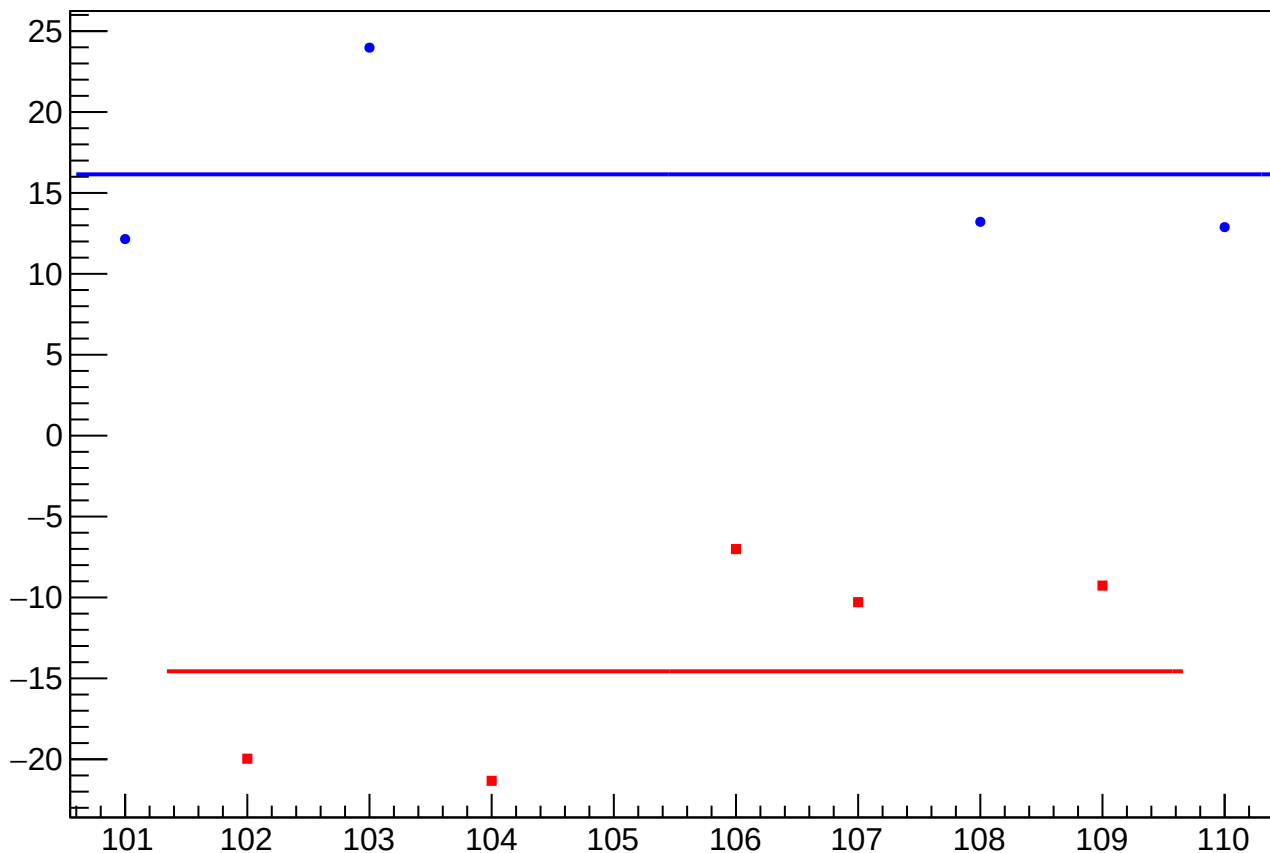
Right In: -389.465+/-0.000  $\chi^2/\text{NDF}$ : 1262765807001992688857602805668511744.0/3

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

Right Out: 378.527+/-0.000  $\chi^2/\text{NDF}$ : 449659188730801832482403159732387840.0/4

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

dit\_11X12X\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 16.150+/-0.000  $\chi^2/\text{NDF}$ : 5259550170148143109888940254953472.0/3

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

Right Out: -14.565+/-0.000  $\chi^2/\text{NDF}$ : 7884874018627263414453204603109376.0/4

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

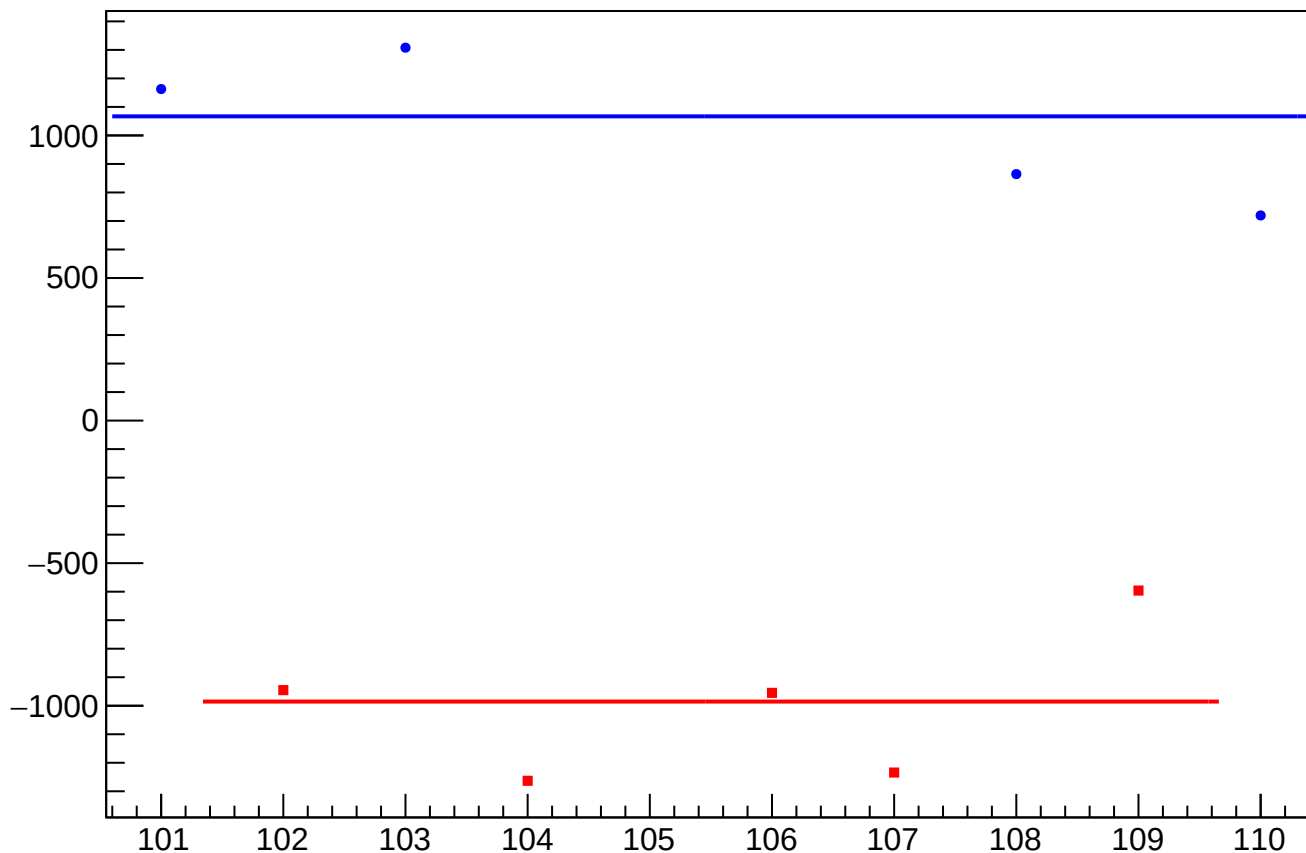
16.150+/-0.000  $\chi^2/\text{NDF}$ : 5259550170148143109888940254953472.0/3

-0.530+/-0.000  $\chi^2/\text{NDF}$ : 1109980323516.0/3

-14.565+/-0.000  $\chi^2/\text{NDF}$ : 7884874018627263414453204603109376.0/4



dit\_11X12X\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

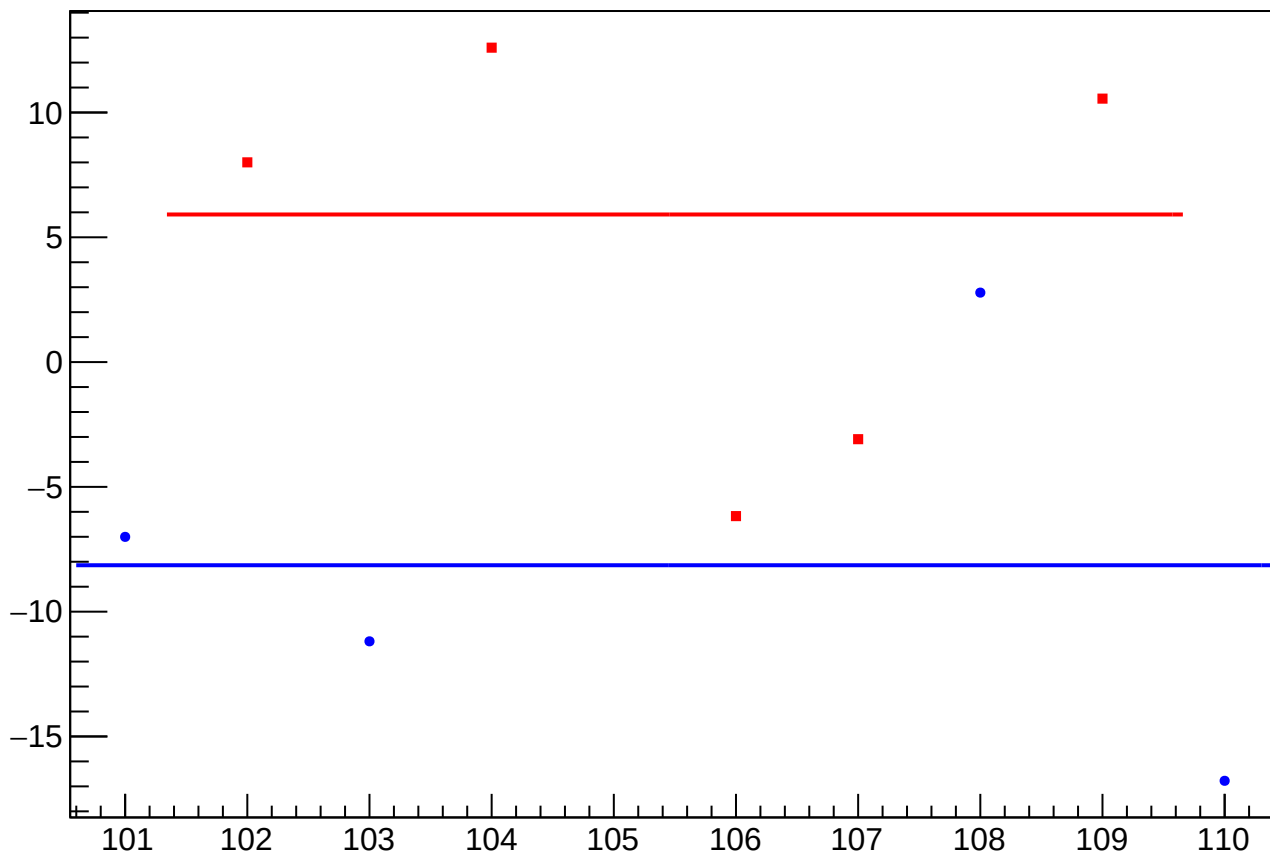
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

dit\_4aY\_coil7\_mean vs Slug, Sign Corrected



Right In: -8.140+/-0.000  $\chi^2/\text{NDF}$ : 7769367412214007649061498081247232.0/3

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

Right Out: 5.914+/-0.000  $\chi^2/\text{NDF}$ : 11075590445723202470535914674192384.0/4

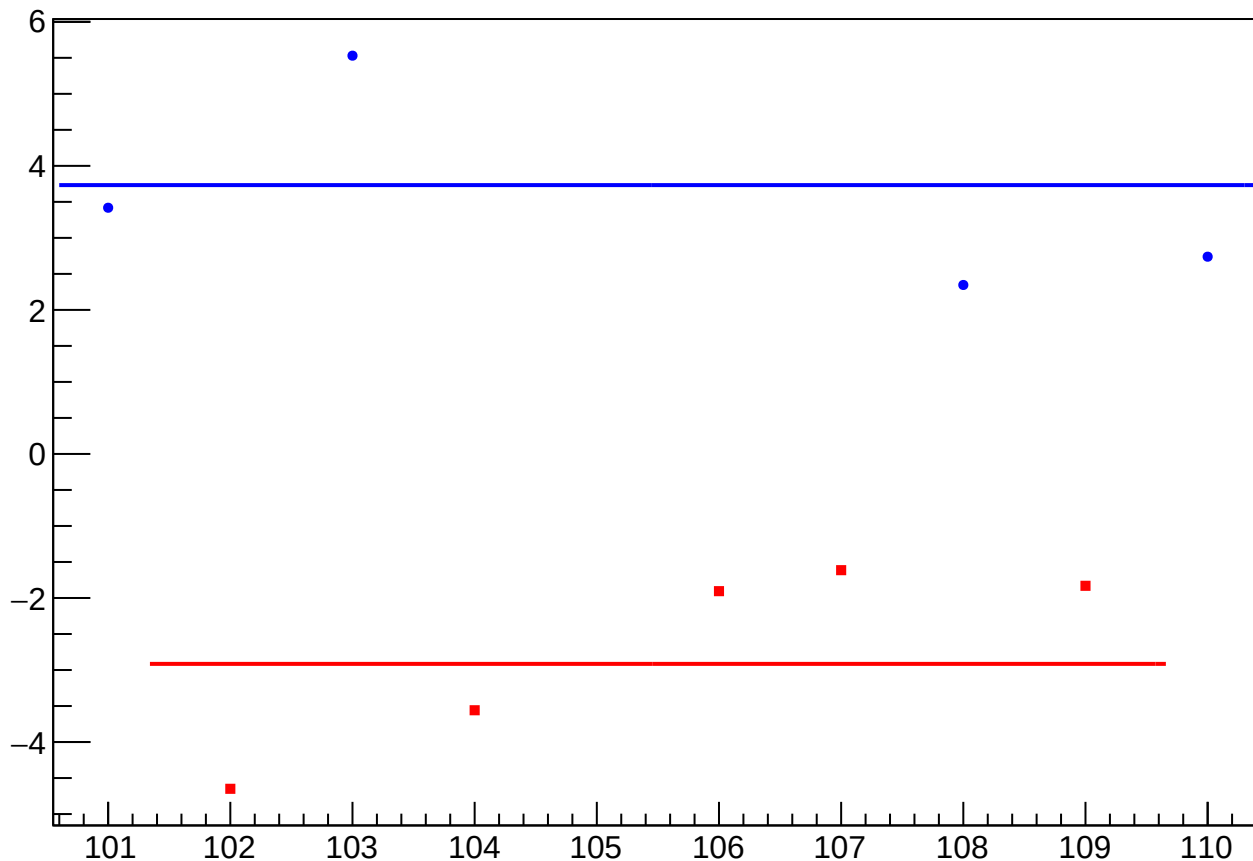
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-8.140+/-0.000  $\chi^2/\text{NDF}$ : 776936741221400764

-0.508+/-0.000  $\chi^2/\text{NDF}$ : 3933127644332

5.914+/-0.000  $\chi^2/\text{NDF}$ : 1107559044572320247

dit\_4aY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 3.733+/-0.000  $\chi^2/\text{NDF}$ : 304035623487925486811690056024064.0/3

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

Right Out: -2.915+/-0.000  $\chi^2/\text{NDF}$ : 348123280106940220118708667809792.0/4

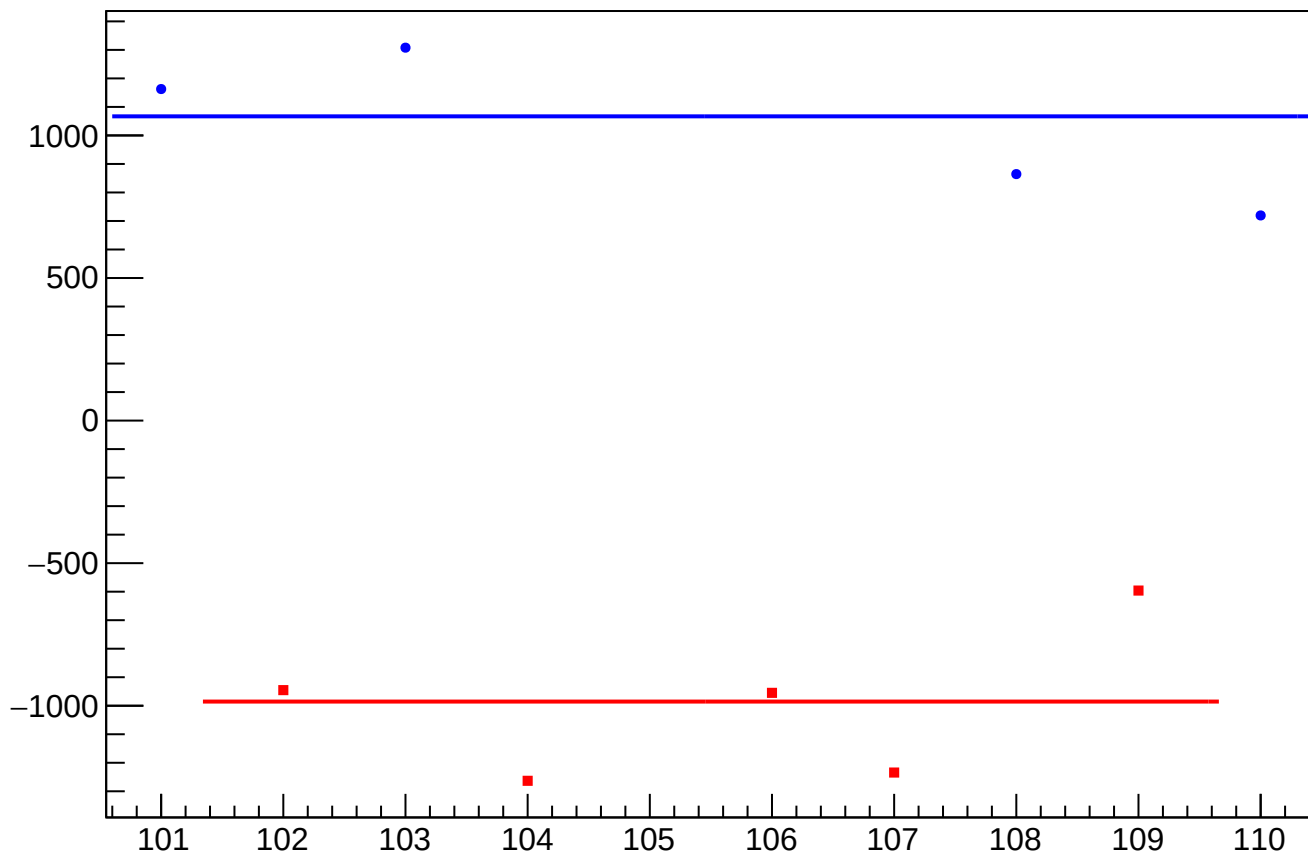
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.733+/-0.000  $\chi^2/\text{NDF}$ : 304035623487925486811690056024064.0/3

0.123+/-0.000  $\chi^2/\text{NDF}$ : 52360689199102.0/4

-2.915+/-0.000  $\chi^2/\text{NDF}$ : 348123280106940220118708667809792.0/4

dit\_4aY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

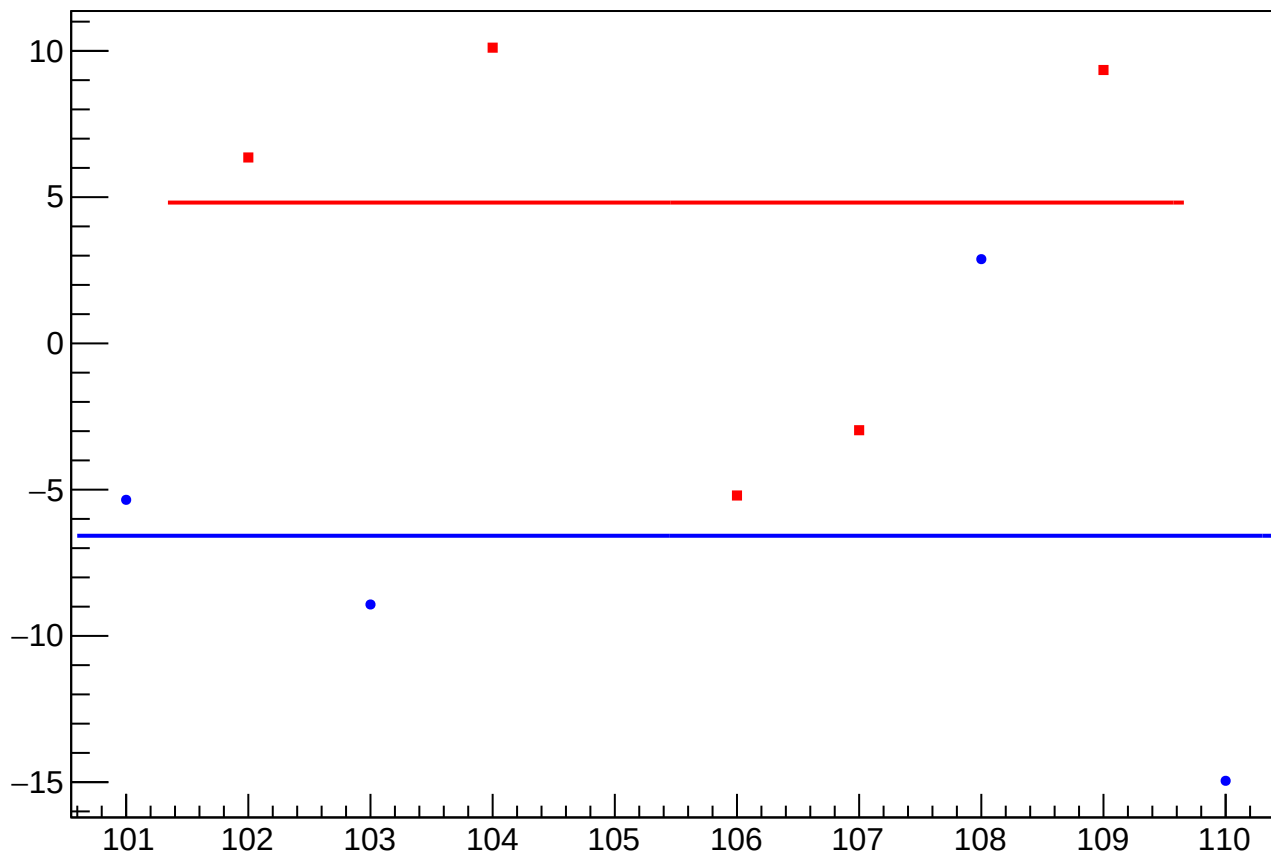
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

# dit\_4eY\_coil7\_mean vs Slug, Sign Corrected



Right In: -6.576+/-0.000  $\chi^2/\text{NDF}$ : 6269694534812187226900693719711744.0/3

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

Right Out: 4.815+/-0.000  $\chi^2/\text{NDF}$ : 7905342228919311550238541924532224.0/4

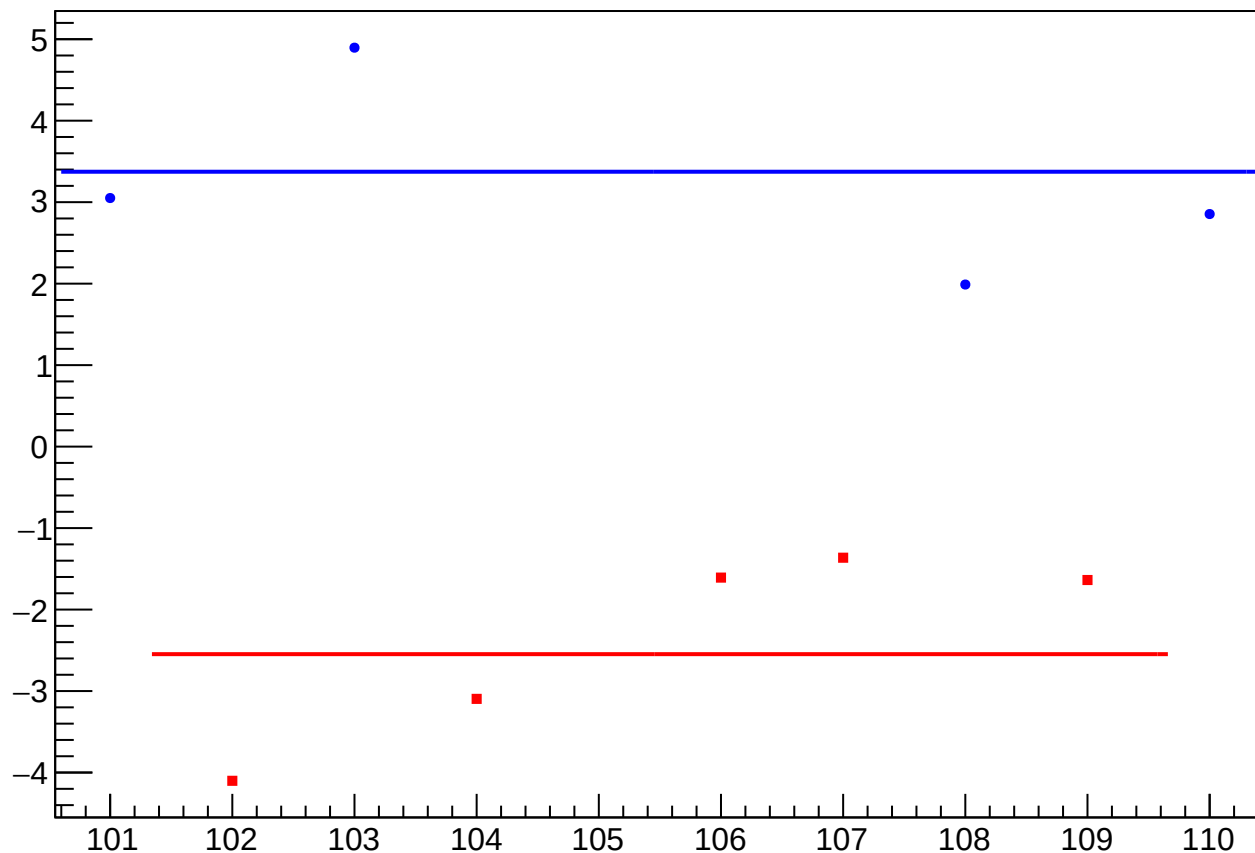
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6.576+/-0.000  $\chi^2/\text{NDF}$ : 626969453481218722

-0.390+/-0.000  $\chi^2/\text{NDF}$ : 2763388537875

4.815+/-0.000  $\chi^2/\text{NDF}$ : 7905342228919311550

dit\_4eY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 3.374+/-0.000  $\chi^2/\text{NDF}$ : 225186118957738229108240860315648.0/3

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

Right Out: -2.547+/-0.000  $\chi^2/\text{NDF}$ : 275489638949728474007608382980096.0/4

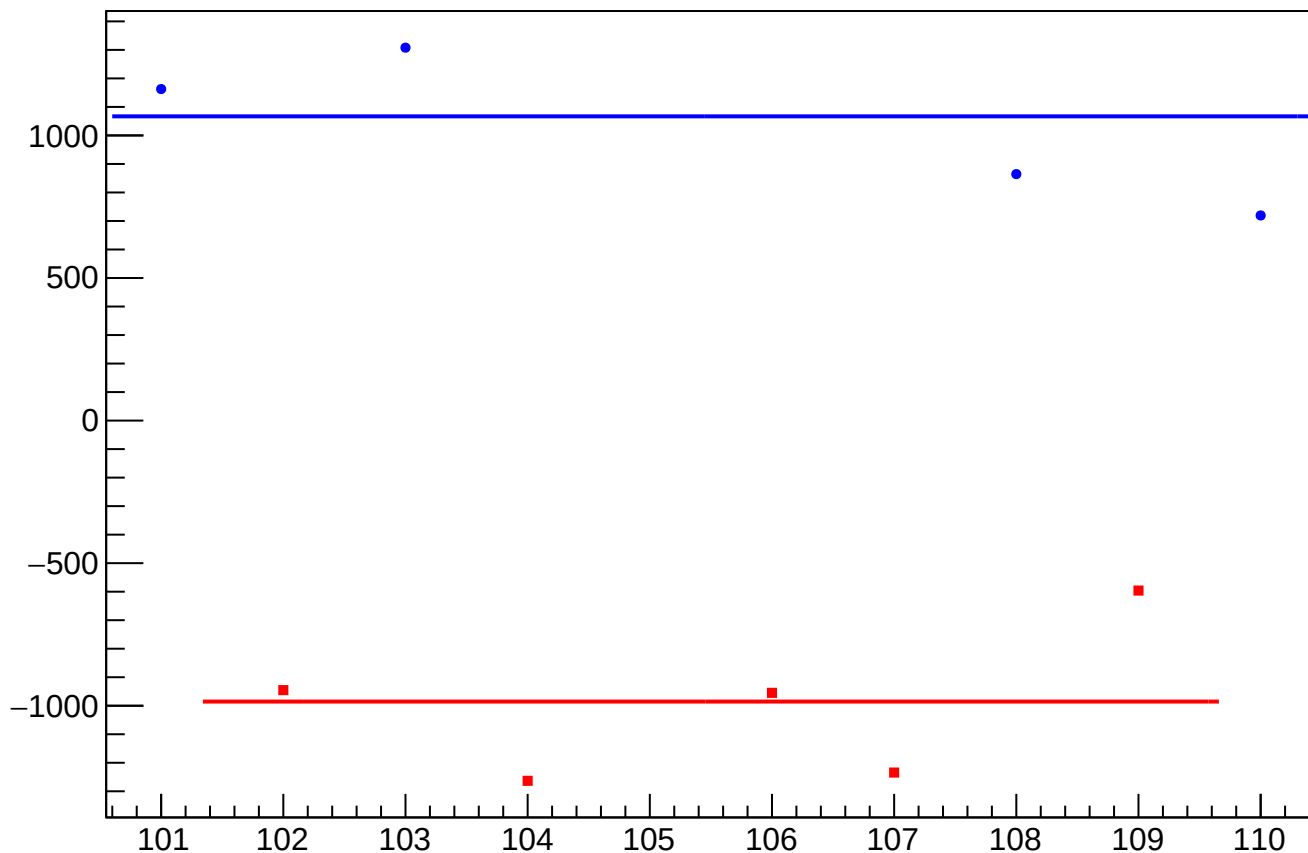
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.374+/-0.000  $\chi^2/\text{NDF}$ : 2251861189577382291

0.158+/-0.000  $\chi^2/\text{NDF}$ : 41366435373813

-2.547+/-0.000  $\chi^2/\text{NDF}$ : 275489638949728474

dit\_4eY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958 $\pm$ 0.000  $\chi^2$ /NDF: 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379 $\pm$ 0.000  $\chi^2$ /NDF: 14019409293490407124774802737323835392.0/4

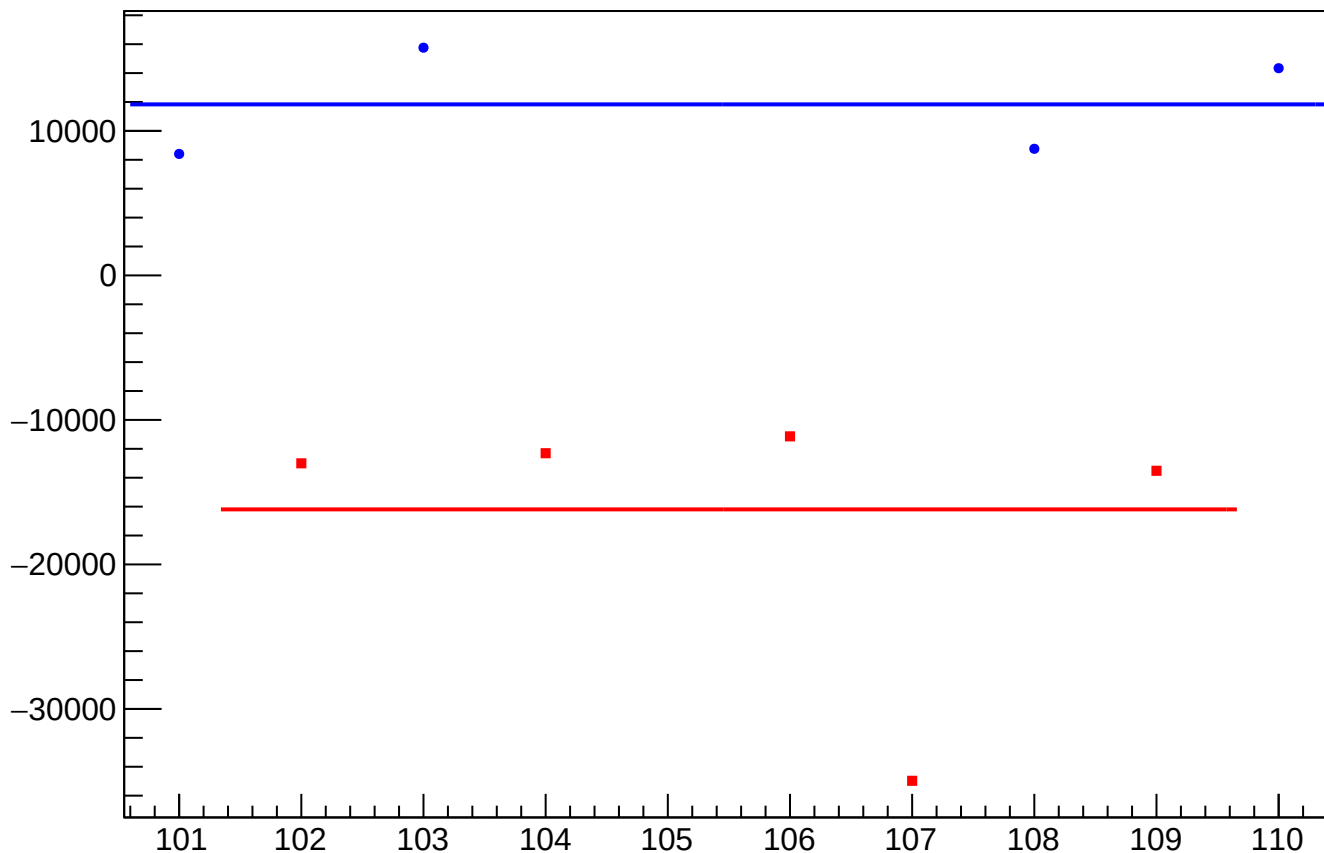
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1066.958 $\pm$ 0.000  $\chi^2$ /NDF: 9748736037739100035403194349272432640.0/3

-47.589 $\pm$ 0.000  $\chi^2$ /NDF: 4606663694720.0/3

-985.379 $\pm$ 0.000  $\chi^2$ /NDF: 14019409293490407124774802737323835392.0/4

dit\_usl\_coil7\_mean vs Slug, Sign Corrected



Right In: 11835.121+/-0.000  $\chi^2/\text{NDF}$ : 2180279137443724682039400171154033344512.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -16191.463+/-0.000  $\chi^2/\text{NDF}$ : 15214401070836821247007228180111233646592.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



The scatter plot displays the relationship between the number of nodes (x-axis) and the number of edges (y-axis) for two different graph types. The x-axis ranges from 101 to 110, and the y-axis ranges from 0 to 10. Blue dots represent one graph type, and red squares represent another. A horizontal blue line is at y=9, and a horizontal red line is at y=2.5.

| Number of Nodes (x) | Number of Edges (y) - Blue Dots | Number of Edges (y) - Red Squares |
|---------------------|---------------------------------|-----------------------------------|
| 101                 | 8                               |                                   |
| 102                 |                                 | 1                                 |
| 103                 | 10                              |                                   |
| 104                 |                                 | 2                                 |
| 106                 |                                 | 5                                 |
| 107                 |                                 | 2                                 |
| 108                 | 8                               |                                   |
| 109                 |                                 | 5                                 |
| 110                 | 8                               |                                   |

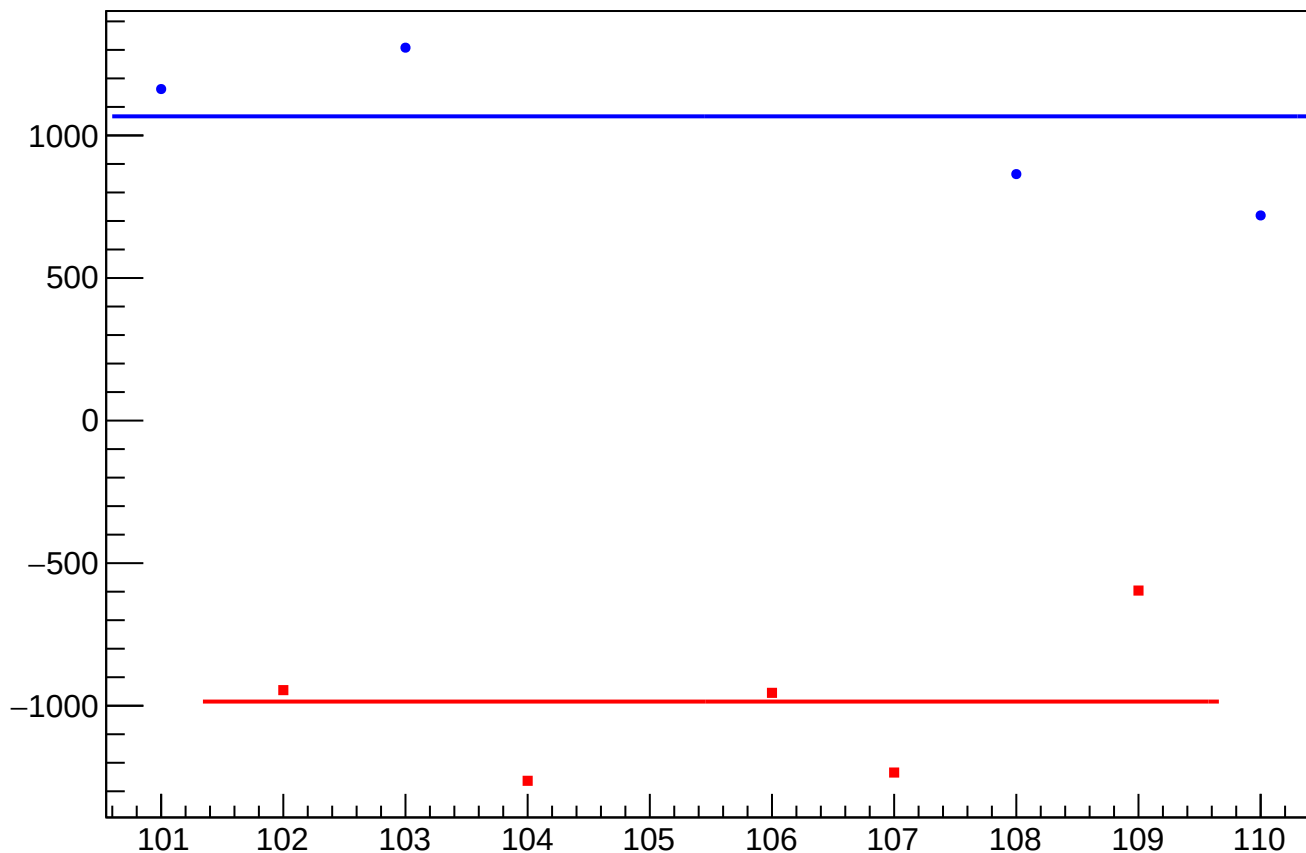
1042.588+/-0.000  $\chi^2/\text{NDF}$ : 3229378452558247

1042.58817-0.000  $\chi^2$ /NDF: 5229378432338241

-88.357+/-0.000     $\chi^2/\text{NDF}$ : 5135110613390

-1039.944+/-0.000  $\chi^2/\text{NDF}$ : 313687331990639

dit\_usl\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

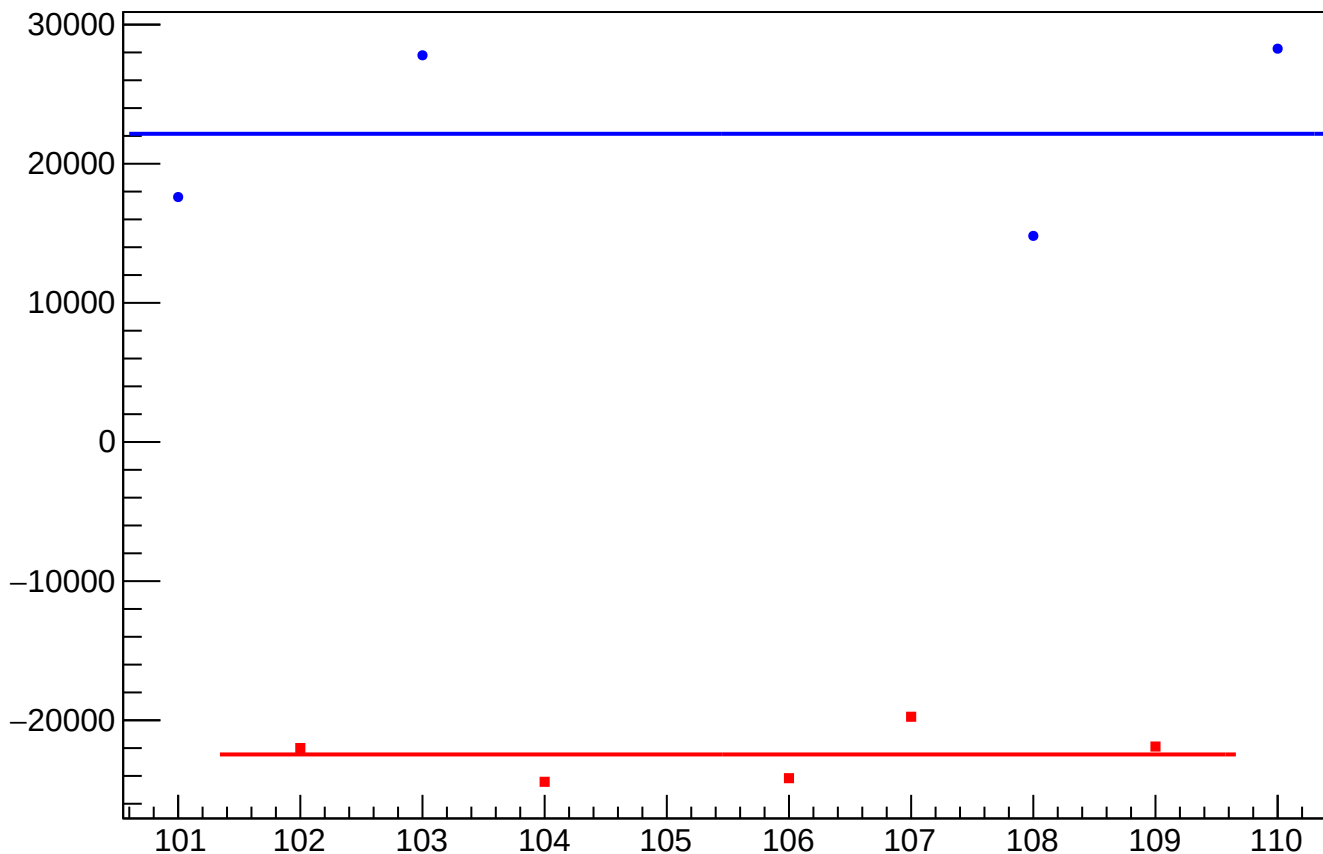
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

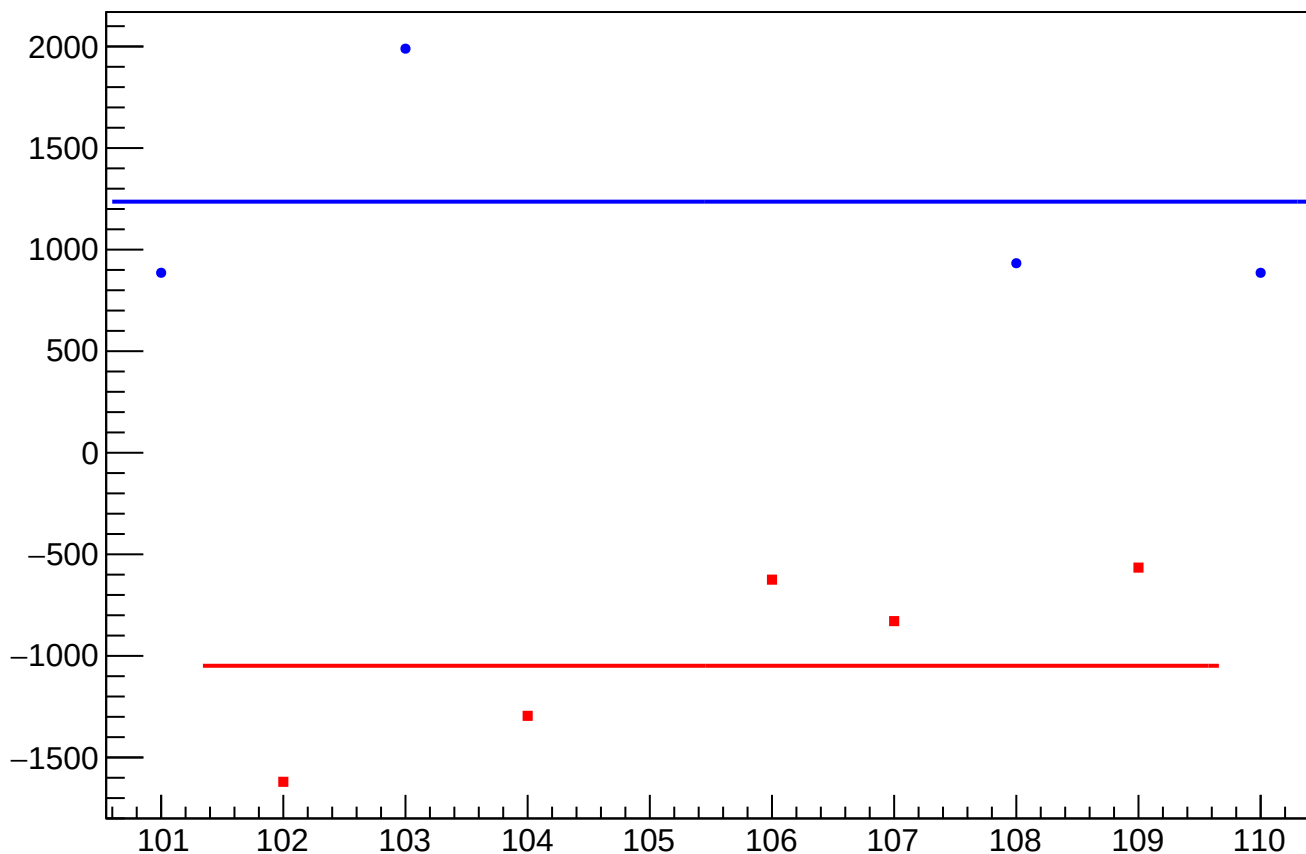
-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

# dit\_usr\_coil7\_mean vs Slug, Sign Corrected



Right In: 22152.767 $\pm$ 0.000  $\chi^2$ /NDF: 6452517549084314397304733855352749031424.0/3  
Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Right Out: -22456.454 $\pm$ 0.000  $\chi^2$ /NDF: 580418344519657219646707253929431793664.0/4  
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usr\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 1236.144+/-0.000  $\chi^2/\text{NDF}$ : 48481136851763031196682501552695410688.0/3

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

Right Out: -1048.629+/-0.000  $\chi^2/\text{NDF}$ : 41241361737059731782341600437405220864.0/4

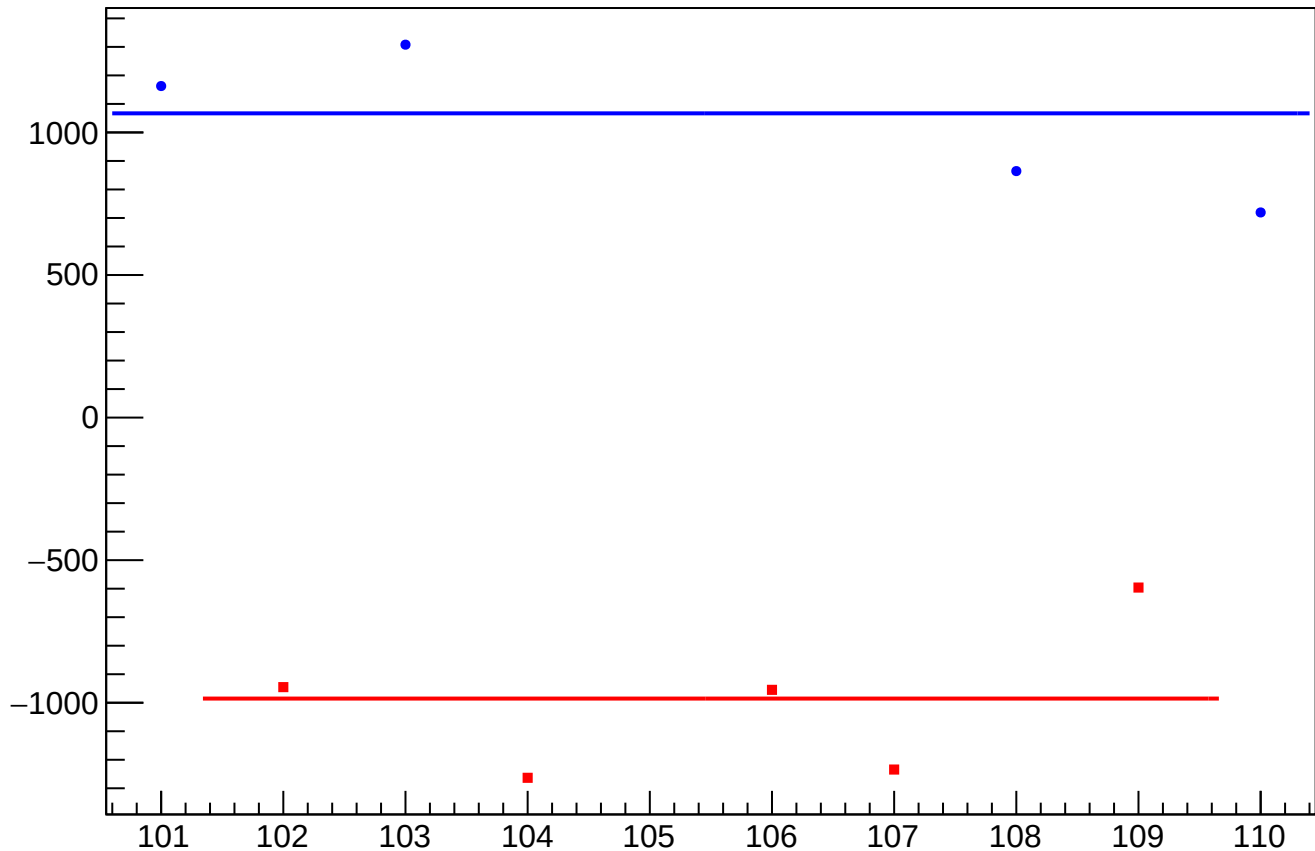
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1236.144+/-0.000  $\chi^2/\text{NDF}$ : 4848113685176303

-4.630+/-0.000  $\chi^2/\text{NDF}$ : 6311858817626

-1048.629+/-0.000  $\chi^2/\text{NDF}$ : 412413617370597

dit\_usr\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

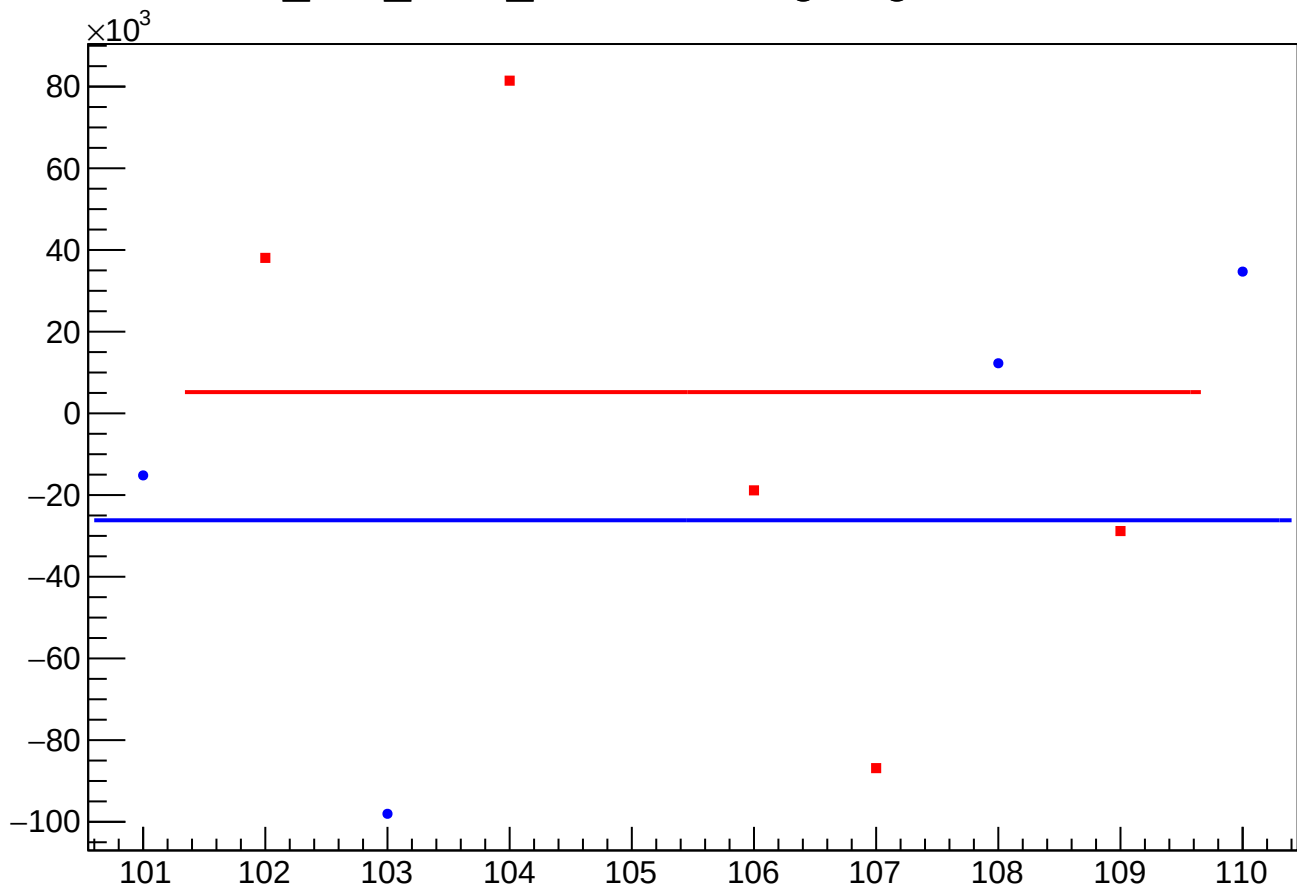
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

dit\_atl1\_coil7\_mean vs Slug, Sign Corrected



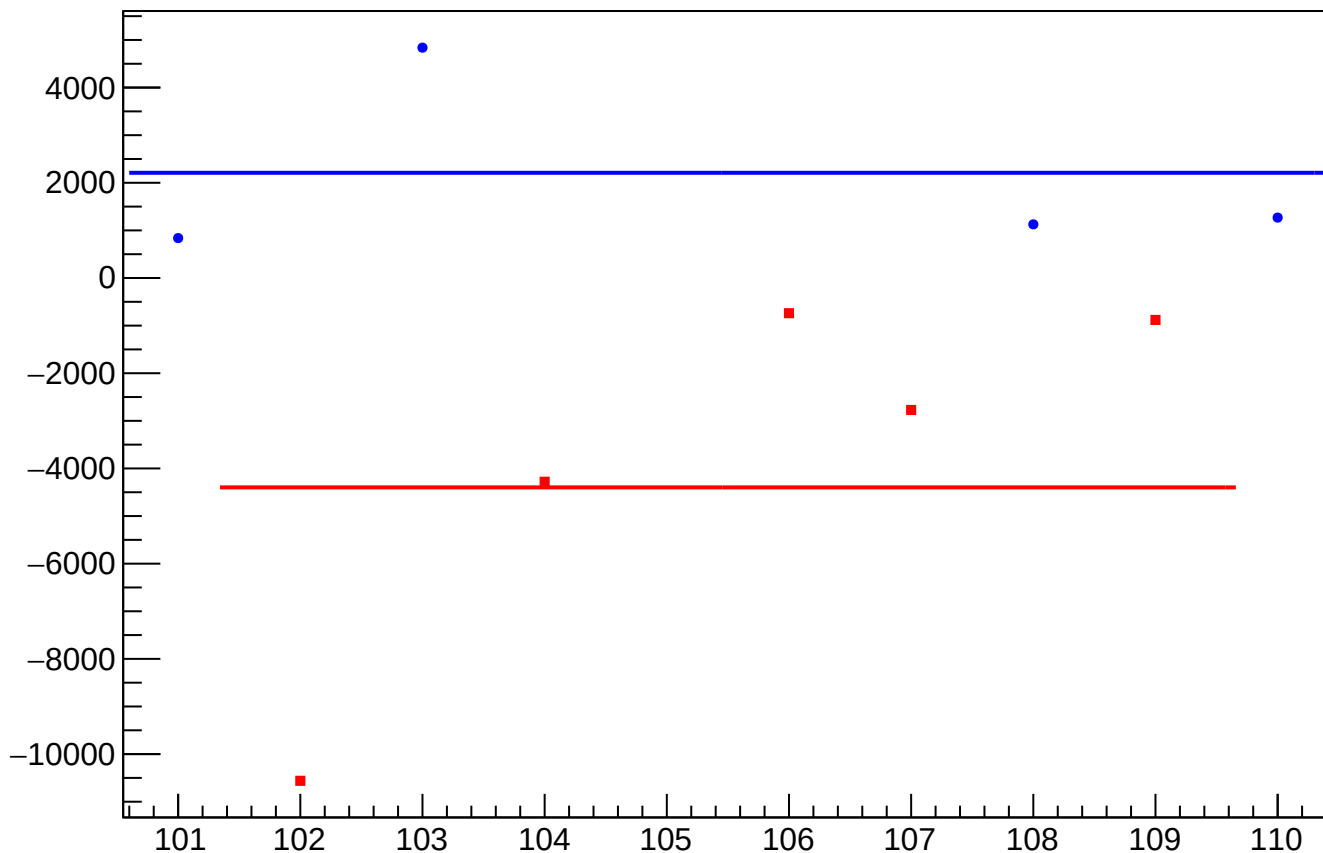
Right In: -26174.201 $\pm$ 0.000  $\chi^2$ /NDF: 497666728700828551534910287679631183052800.0/3

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

Right Out: 5203.767 $\pm$ 0.000  $\chi^2$ /NDF: 741136861242274228818229639389254644662272.0/4

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

dit\_atl1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 2210.172+/-0.000  $\chi^2/\text{NDF}$ : 594060010236517047748229537434053902336.0/3

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

Right Out: -4397.979+/-0.000  $\chi^2/\text{NDF}$ : 3344929066132710151029065544967947026432.0/4

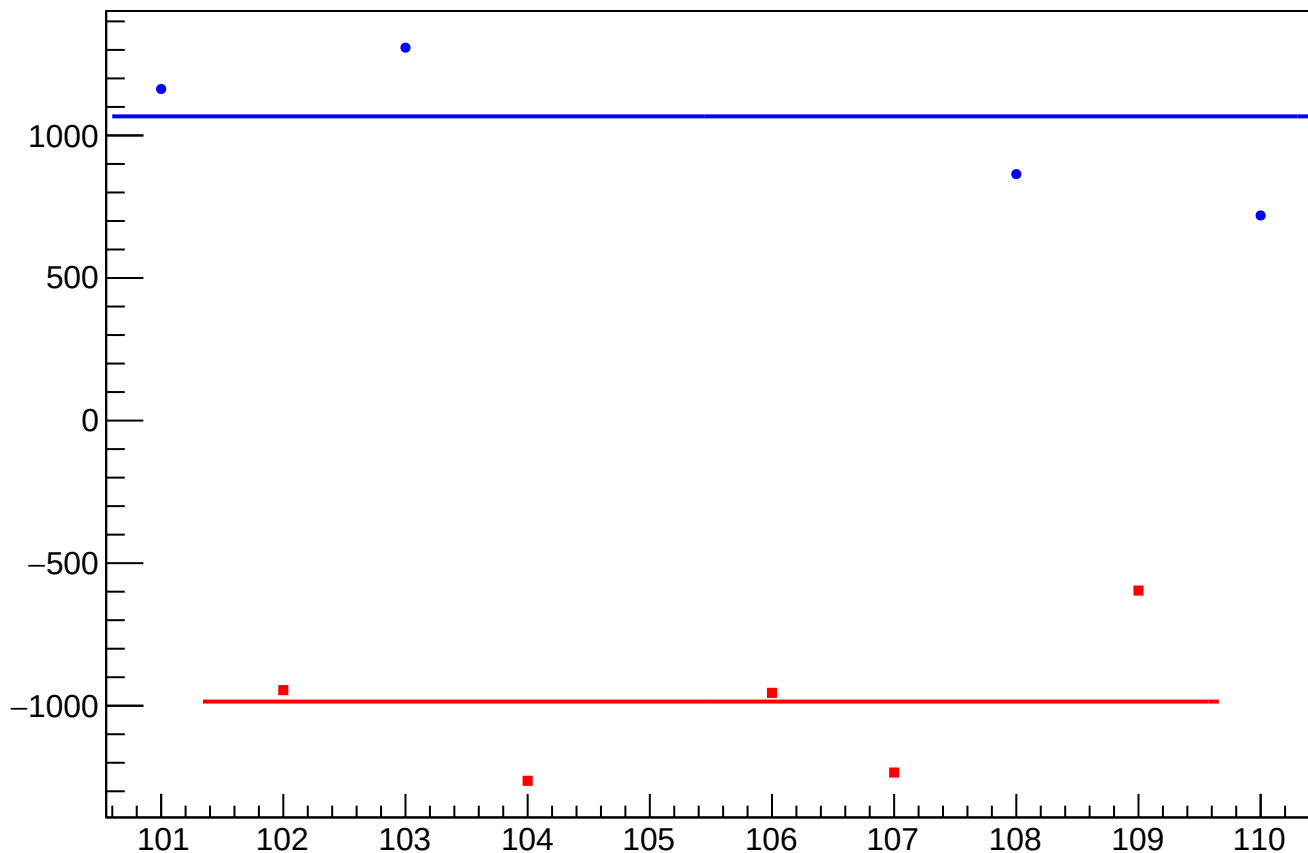
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2210.172+/-0.000  $\chi^2/\text{NDF}$ : 5940600102365170

-1378.465+/-0.000  $\chi^2/\text{NDF}$ : 8468410868

-4397.979+/-0.000  $\chi^2/\text{NDF}$ : 334492906613271

dit\_atl1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

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

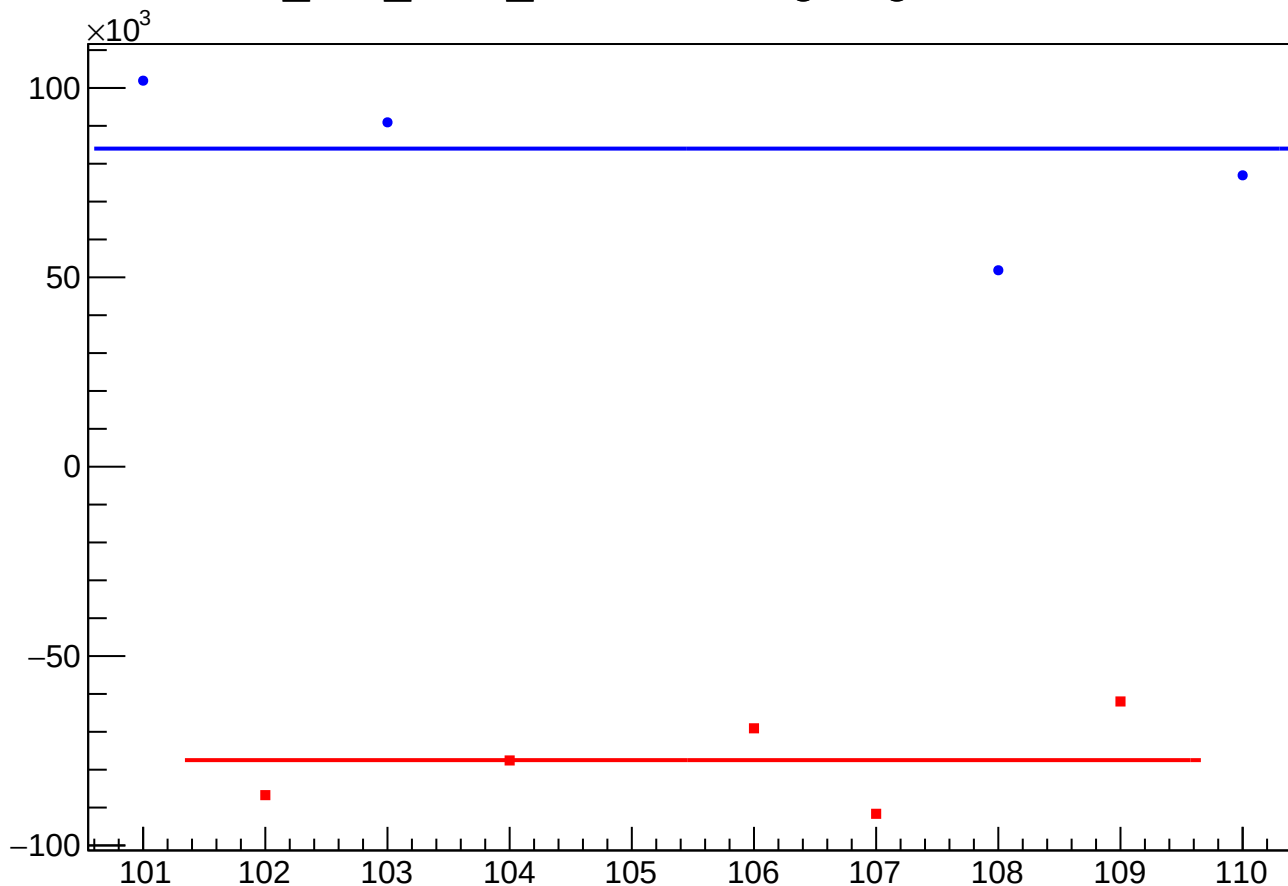
1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4



# dit\_atl2\_coil7\_mean vs Slug, Sign Corrected



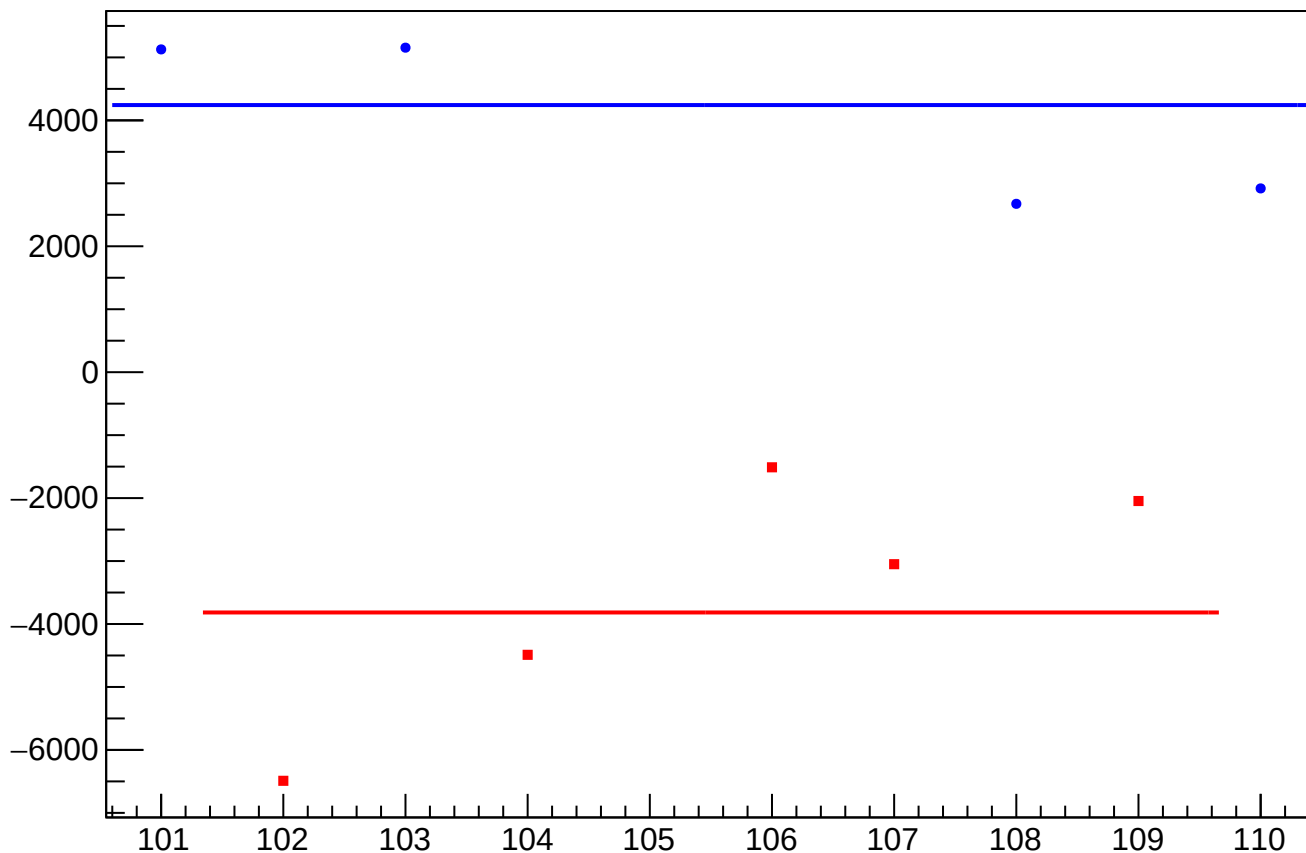
Right In: 83991.582 $\pm$ 0.000  $\chi^2$ /NDF: 62767504761537743566270515759610406633472.0/3

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

Right Out: -77476.549 $\pm$ 0.000  $\chi^2$ /NDF: 26610083831657339679578074448822362177536.0/4

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

dit\_atl2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 4242.997+/-0.000  $\chi^2/\text{NDF}$ : 250002715179323253363244724176463855616.0/3

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

Right Out: -3816.738+/-0.000  $\chi^2/\text{NDF}$ : 783543947731359106645214612115884605440.0/4

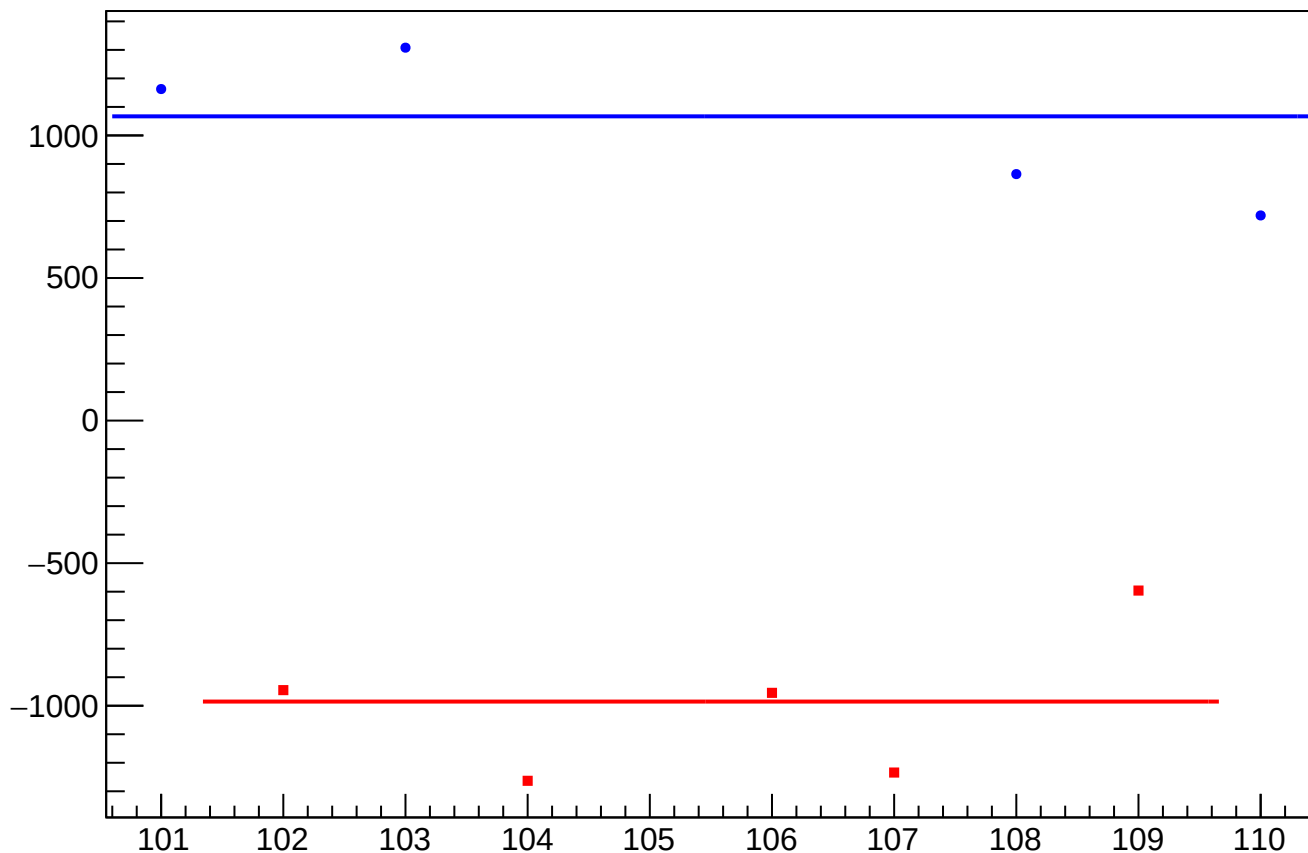
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4242.997+/-0.000  $\chi^2/\text{NDF}$ : 250002715179323253363244724176463855616.0/3

-133.940+/-0.000  $\chi^2/\text{NDF}$ : 777144405540.0/4

-3816.738+/-0.000  $\chi^2/\text{NDF}$ : 783543947731359106645214612115884605440.0/4

dit\_atl2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

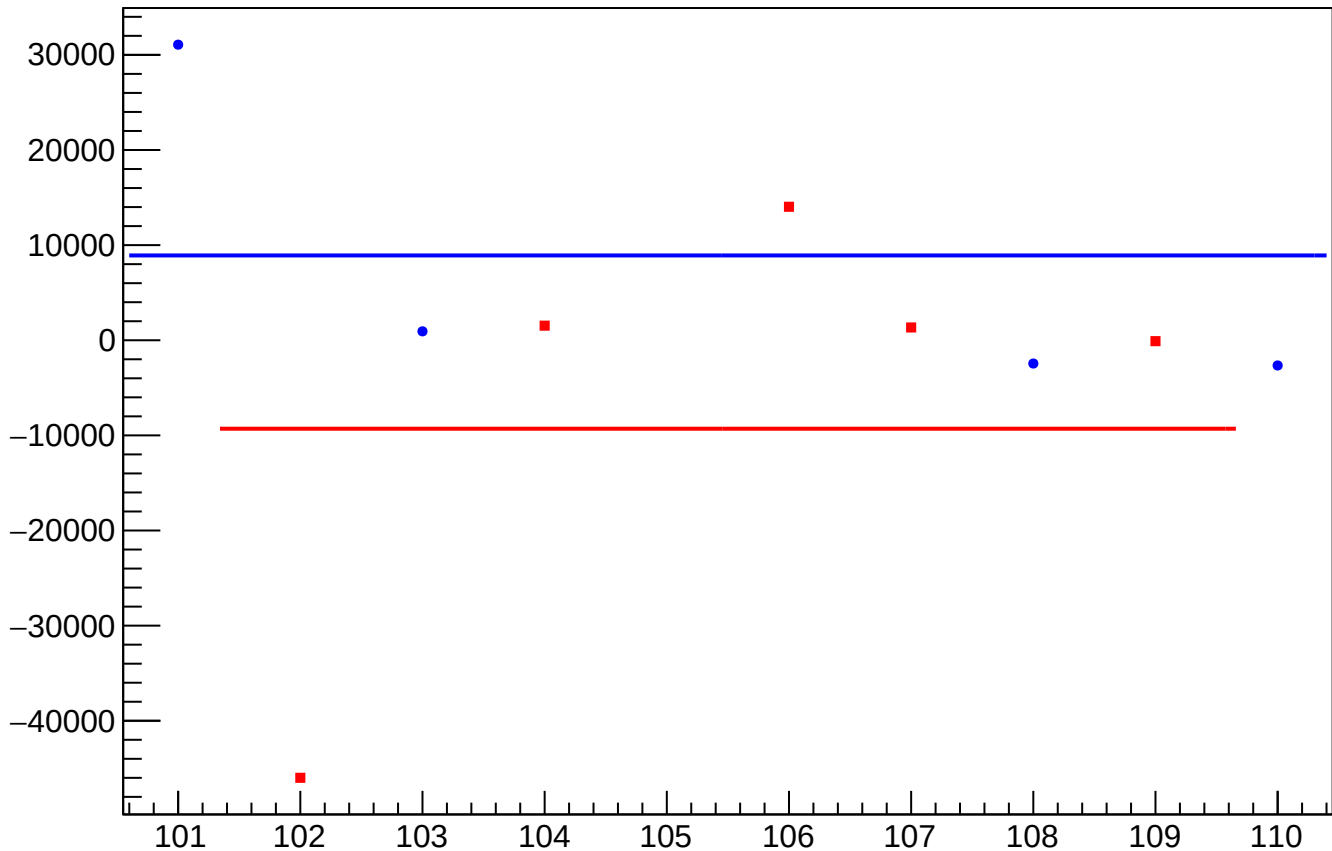
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

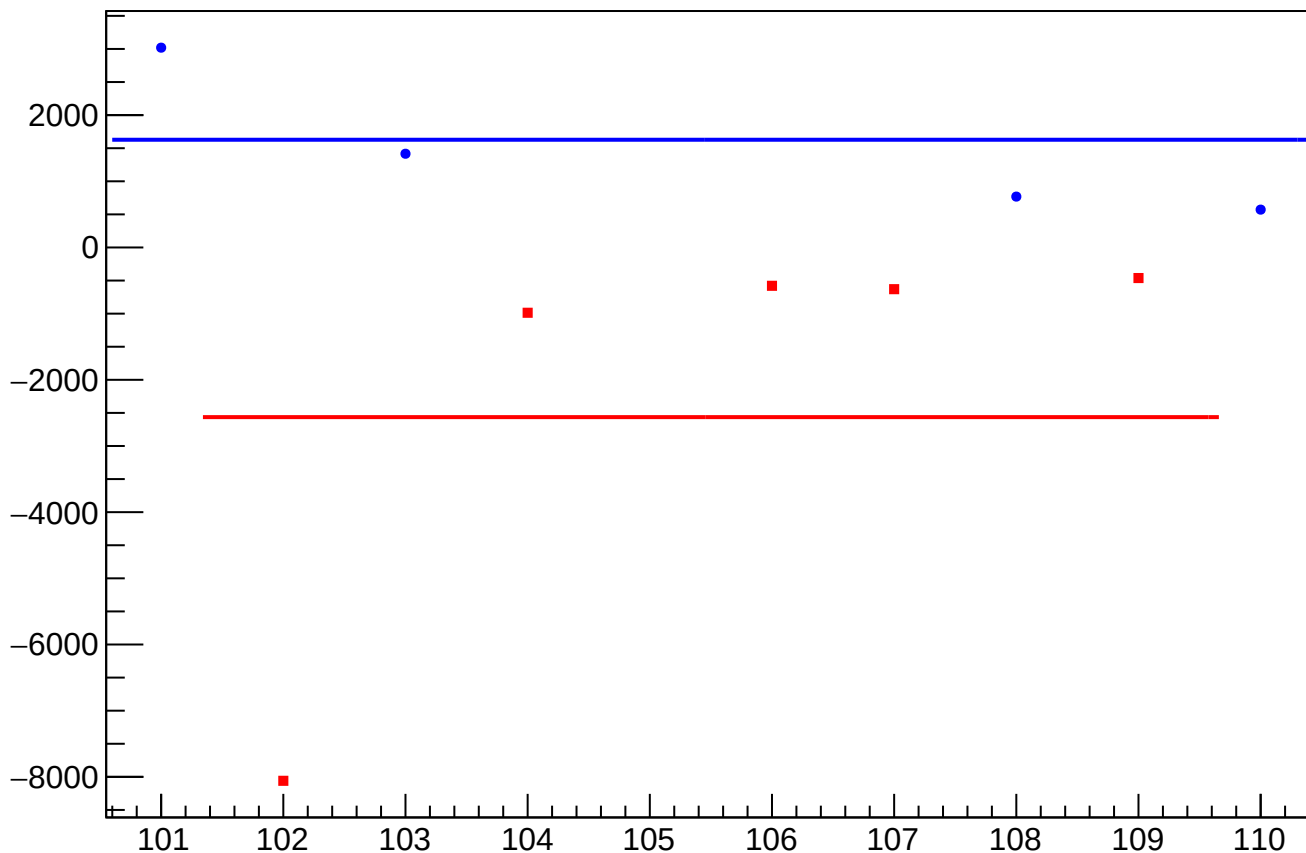
-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

# dit\_atr1\_coil7\_mean vs Slug, Sign Corrected



Right In: 8915.377+/-0.000  $\chi^2/\text{NDF}$ : 42307158072105847109683167731597373865984.0/3  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -9299.225+/-0.000  $\chi^2/\text{NDF}$ : 109361909392645442624430877899482954989568.0/4  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 1627.917+/-0.000  $\chi^2/\text{NDF}$ : 183950208498813474851838453932334514176.0/3

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

Right Out: -2563.817+/-0.000  $\chi^2/\text{NDF}$ : 2360655836439350069779350406219687788544.0/4

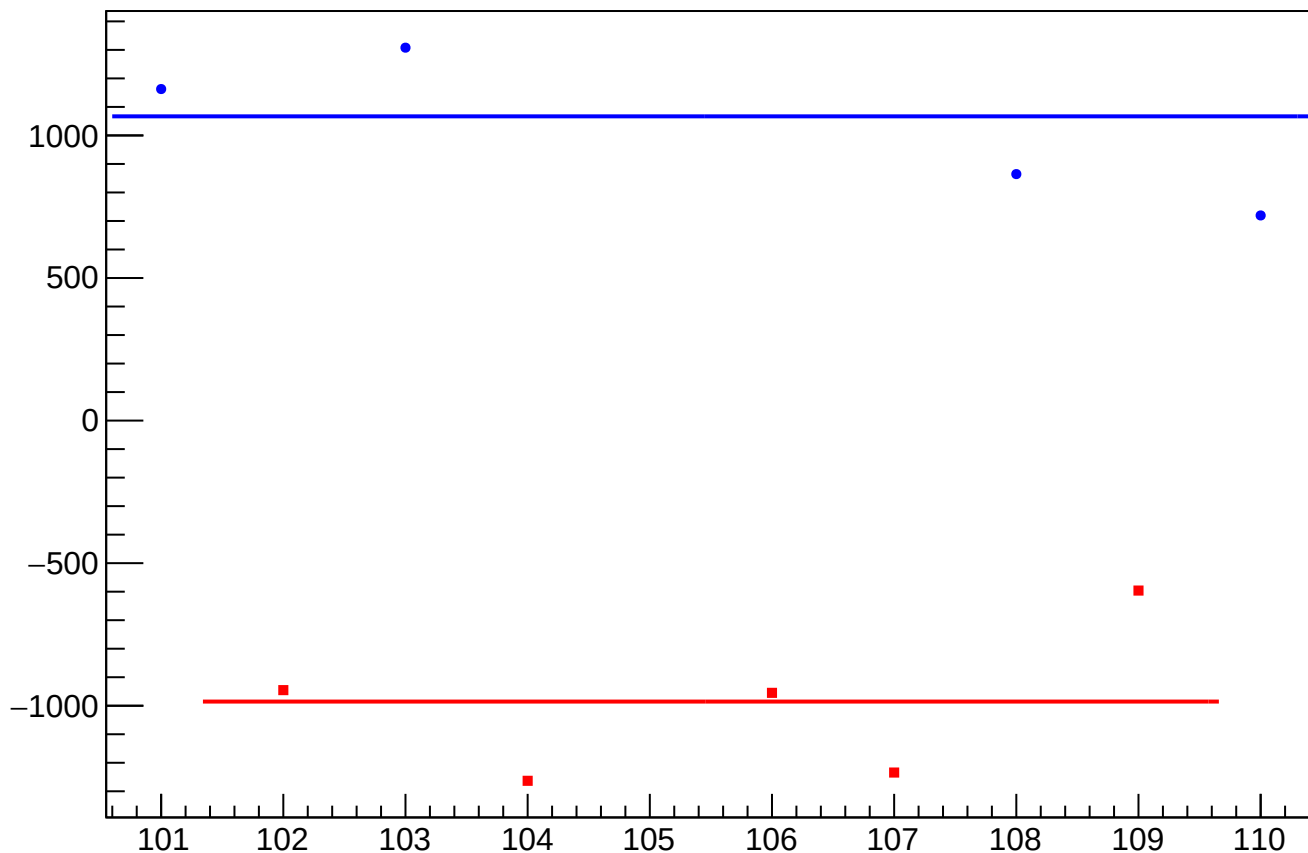
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1627.917+/-0.000  $\chi^2/\text{NDF}$ : 183950208498813474851838453932334514176.0/3

-648.455+/-0.000  $\chi^2/\text{NDF}$ : 436711747890.0/3

-2563.817+/-0.000  $\chi^2/\text{NDF}$ : 2360655836439350069779350406219687788544.0/4

dit\_atr1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

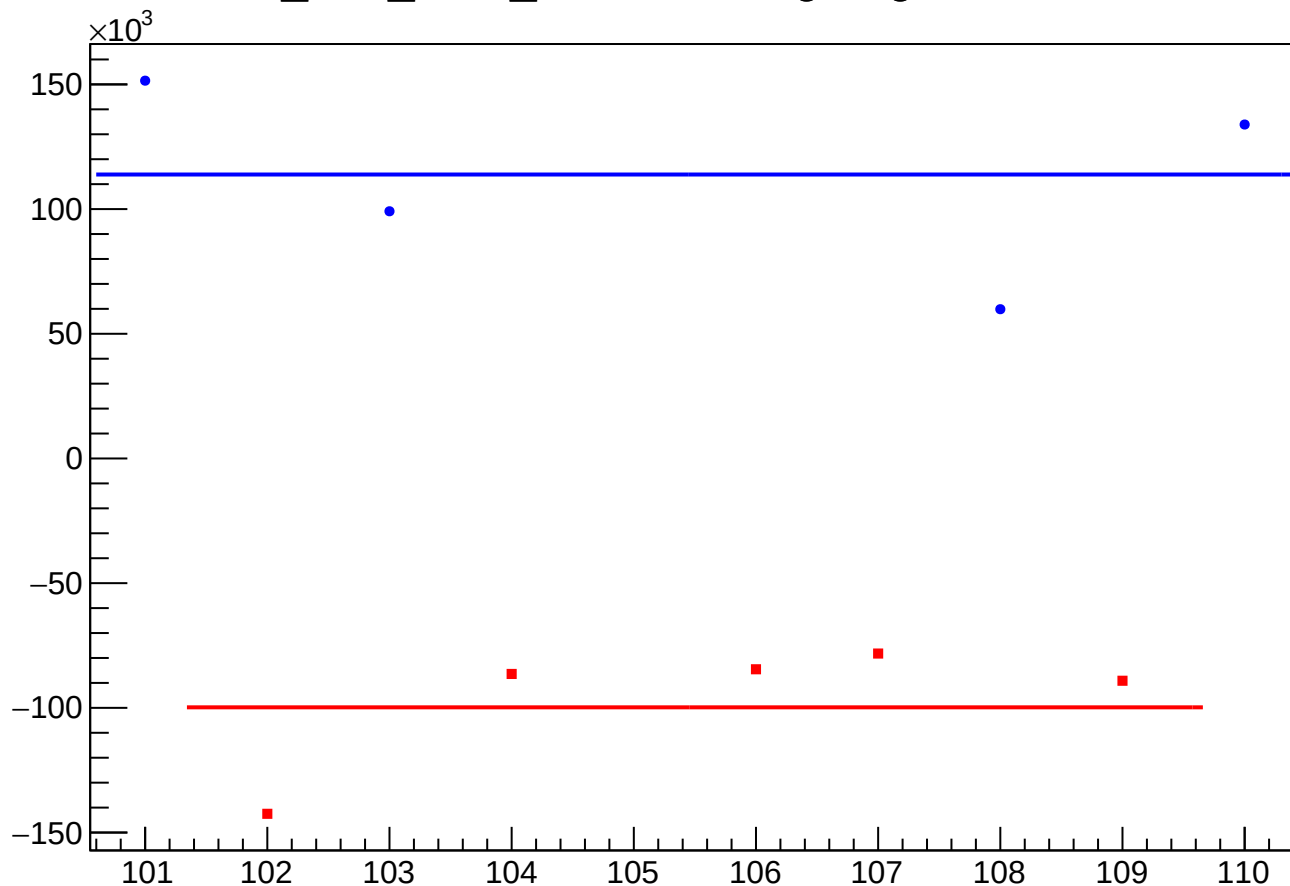
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

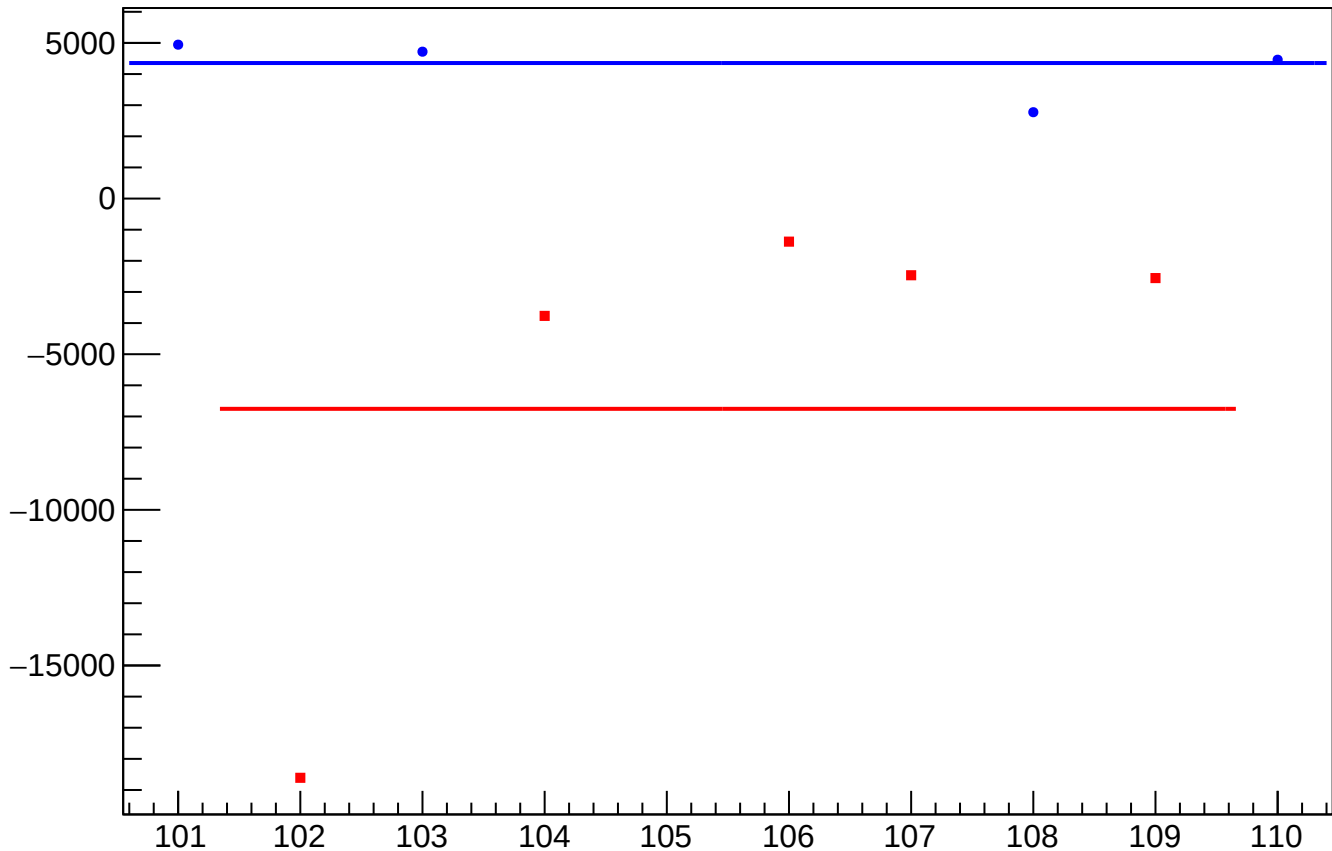
-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

# dit\_atr2\_coil7\_mean vs Slug, Sign Corrected



Right In: 113864.475 $\pm$ 0.000  $\chi^2$ /NDF: 221269641805979103959474726764691236847616.0/3  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: -99792.884 $\pm$ 0.000  $\chi^2$ /NDF: 144616888074168617773652287368774224445440.0/4  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

dit\_atr2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 4354.187+/-0.000  $\chi^2/\text{NDF}$ : 123577584511681898434388779644699541504.0/3

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

4354.187+/-0.000  $\chi^2/\text{NDF}$ : 123577584511681898434388779644699541504.0/3

-1678.737+/-0.000  $\chi^2/\text{NDF}$ : 239855233617325875200.0/4

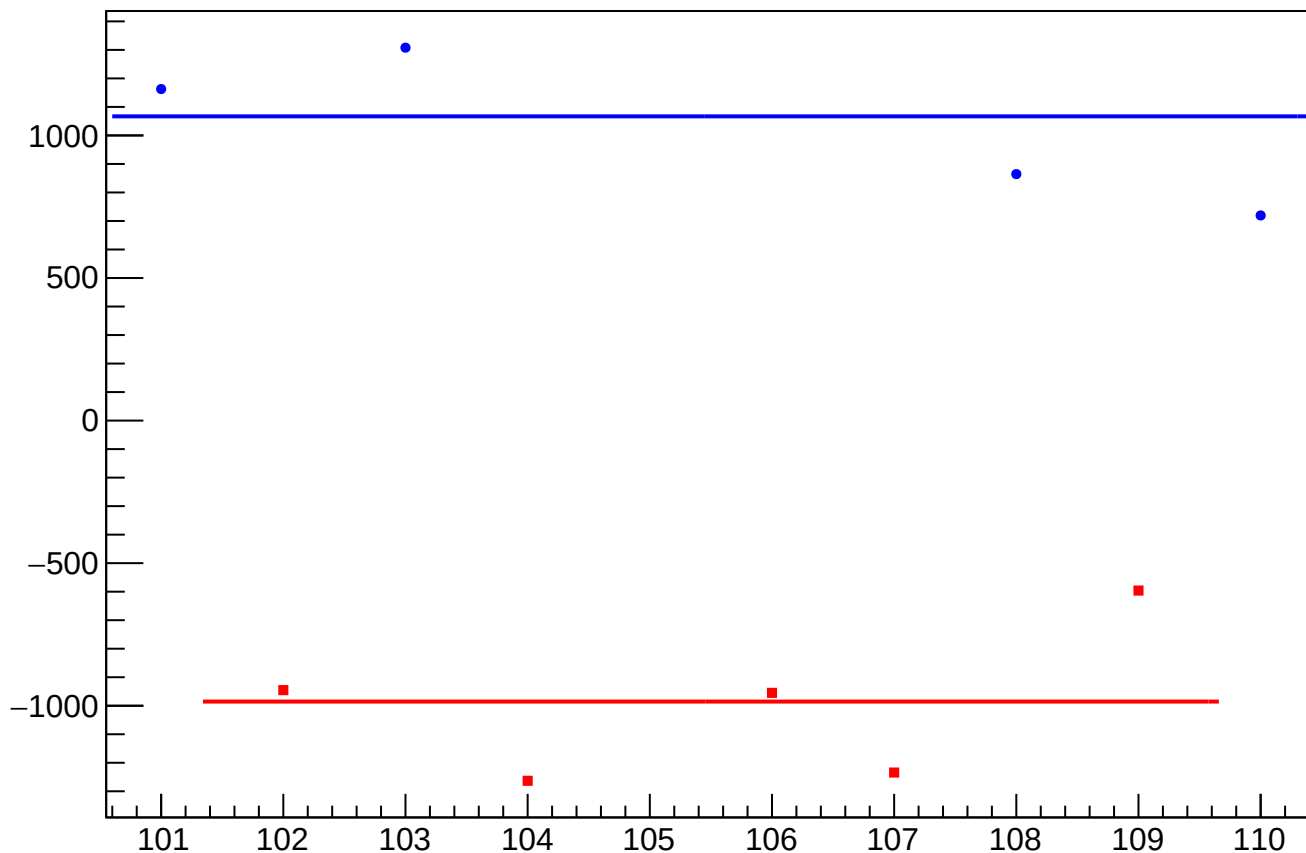
Right Out: -6754.897+/-0.000  $\chi^2/\text{NDF}$ : 11061077790414130098101833659617325875200.0/4

-6754.897+/-0.000  $\chi^2/\text{NDF}$ : 11061077790414130098101833659617325875200.0/4

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



dit\_atr2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

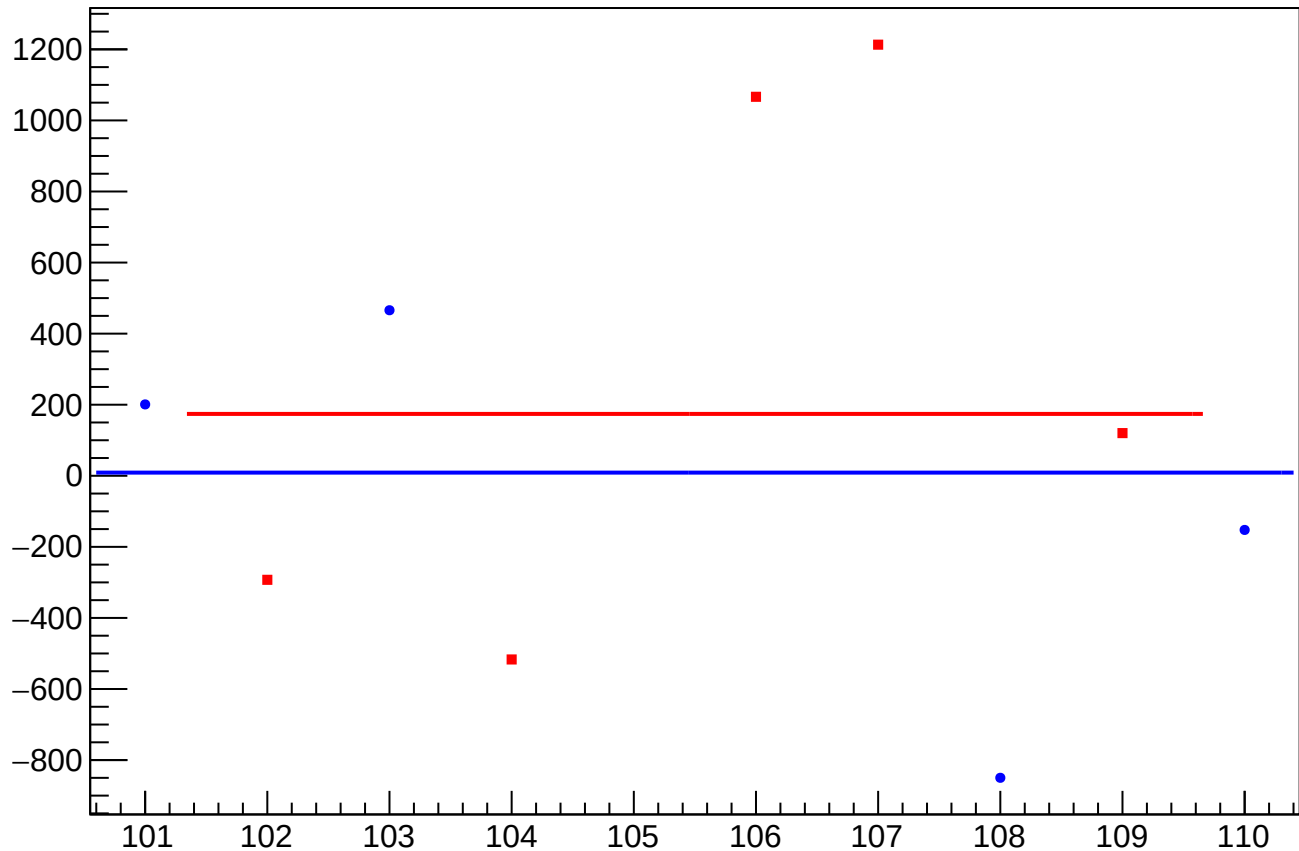
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

dit\_sam1\_coil7\_mean vs Slug, Sign Corrected



Right In: 8.940+/-0.000  $\chi^2/\text{NDF}$ : 43427815935469376355455319124584955904.0/3

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

Right Out: 174.103+/-0.000  $\chi^2/\text{NDF}$ : 100691898543334825037209356032133824512.0/4

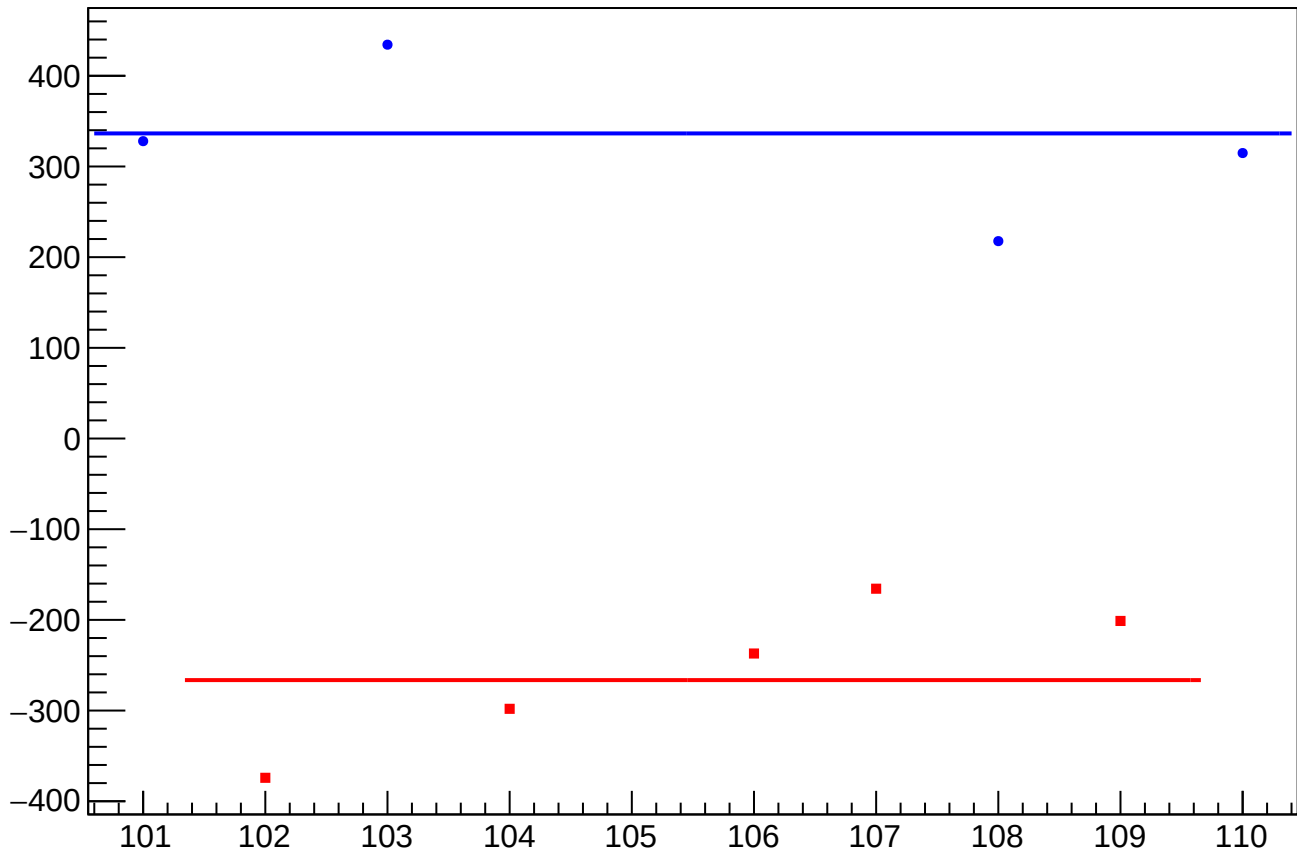
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

8.940+/-0.000  $\chi^2/\text{NDF}$ : 43427815935469376355455319124584955904.0/3

98.634+/-0.000  $\chi^2/\text{NDF}$ : 1469492317823

174.103+/-0.000  $\chi^2/\text{NDF}$ : 100691898543334825037209356032133824512.0/4

dit\_sam1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 336.465+/-0.000  $\chi^2/\text{NDF}$ : 1121958288761443244954968790289874944.0/3

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

336.465+/-0.000  $\chi^2/\text{NDF}$ : 1121958288761443244954968790289874944.0/3

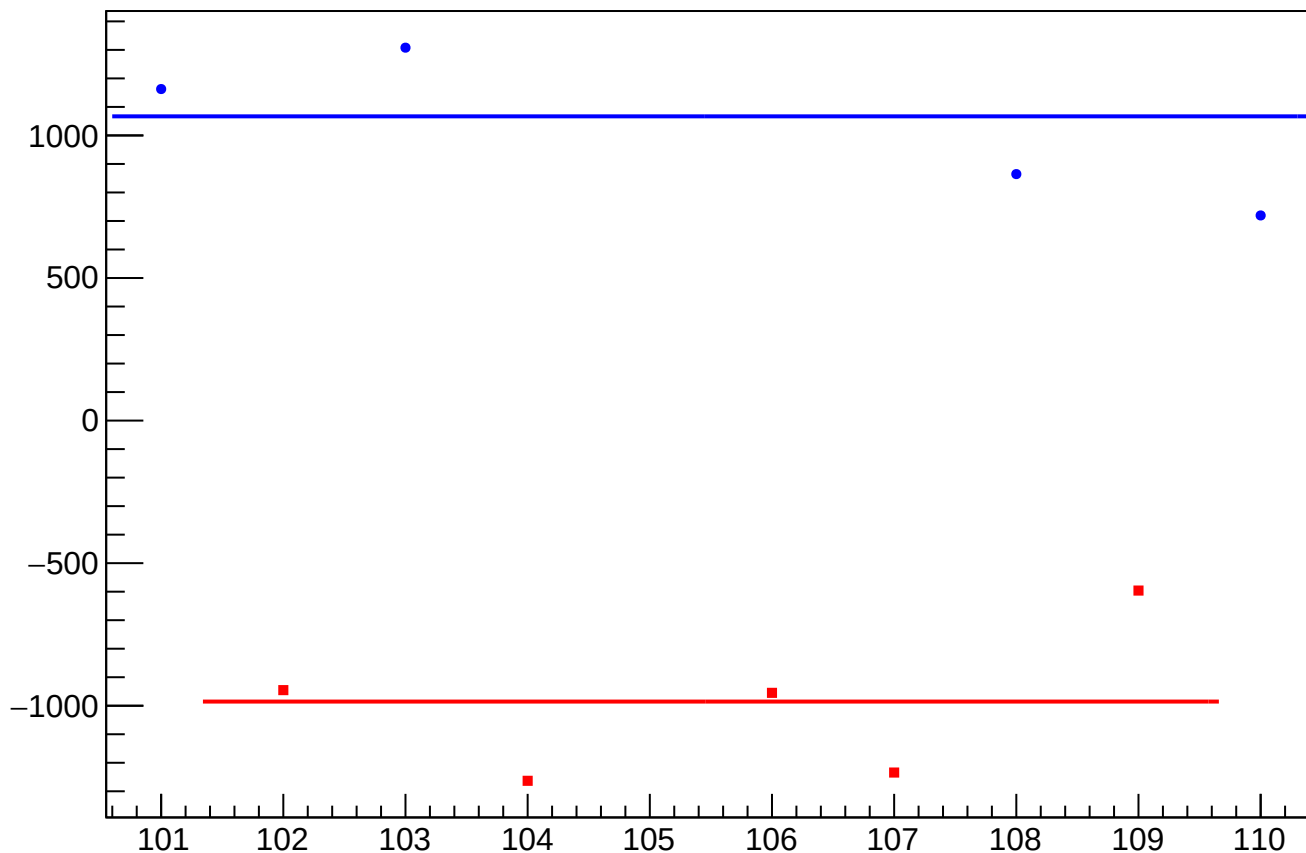
9.067+/-0.000  $\chi^2/\text{NDF}$ : 40155217755279

Right Out: -266.409+/-0.000  $\chi^2/\text{NDF}$ : 1333765585886663815063337289643982848.0/4

-266.409+/-0.000  $\chi^2/\text{NDF}$ : 1333765585886663

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

dit\_sam1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

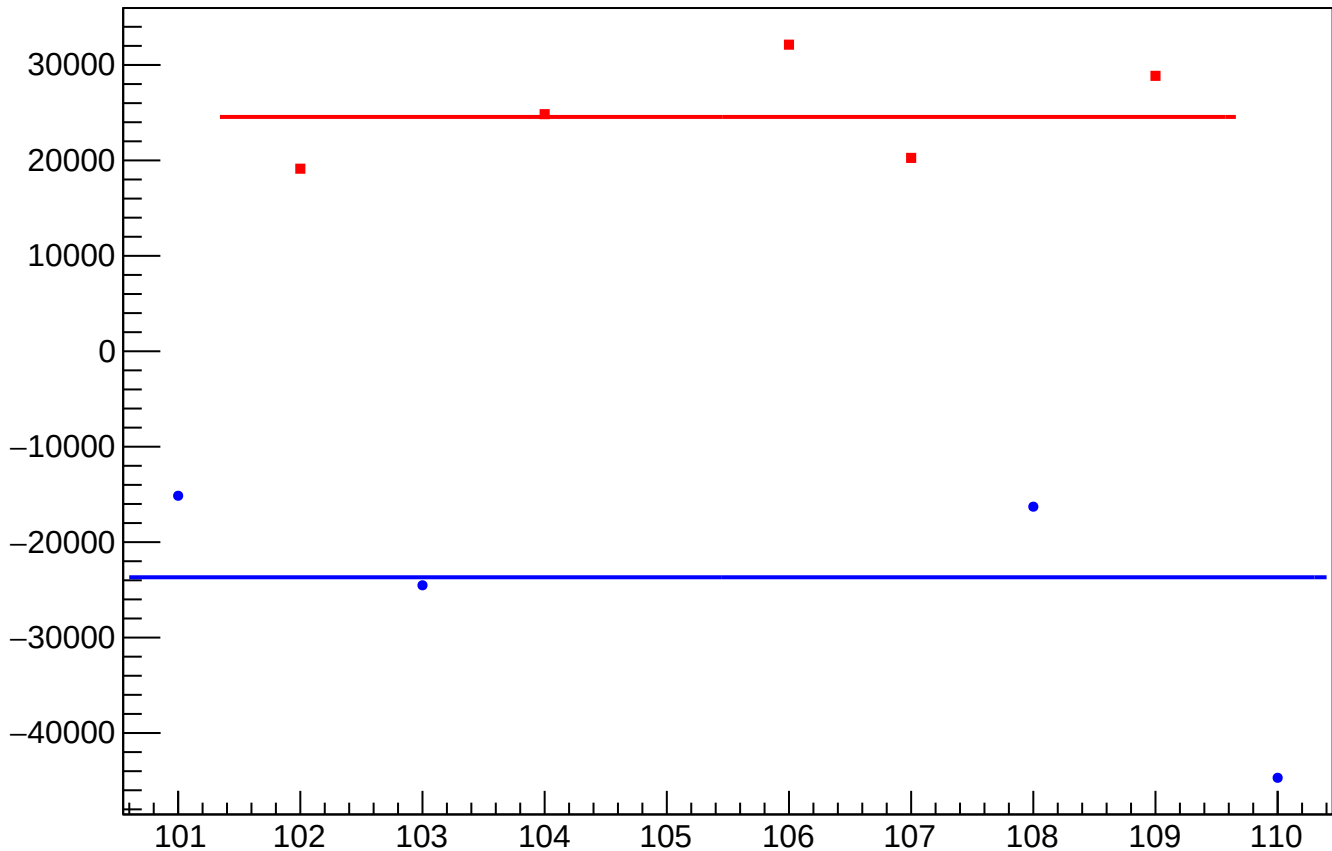
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

dit\_sam2\_coil7\_mean vs Slug, Sign Corrected



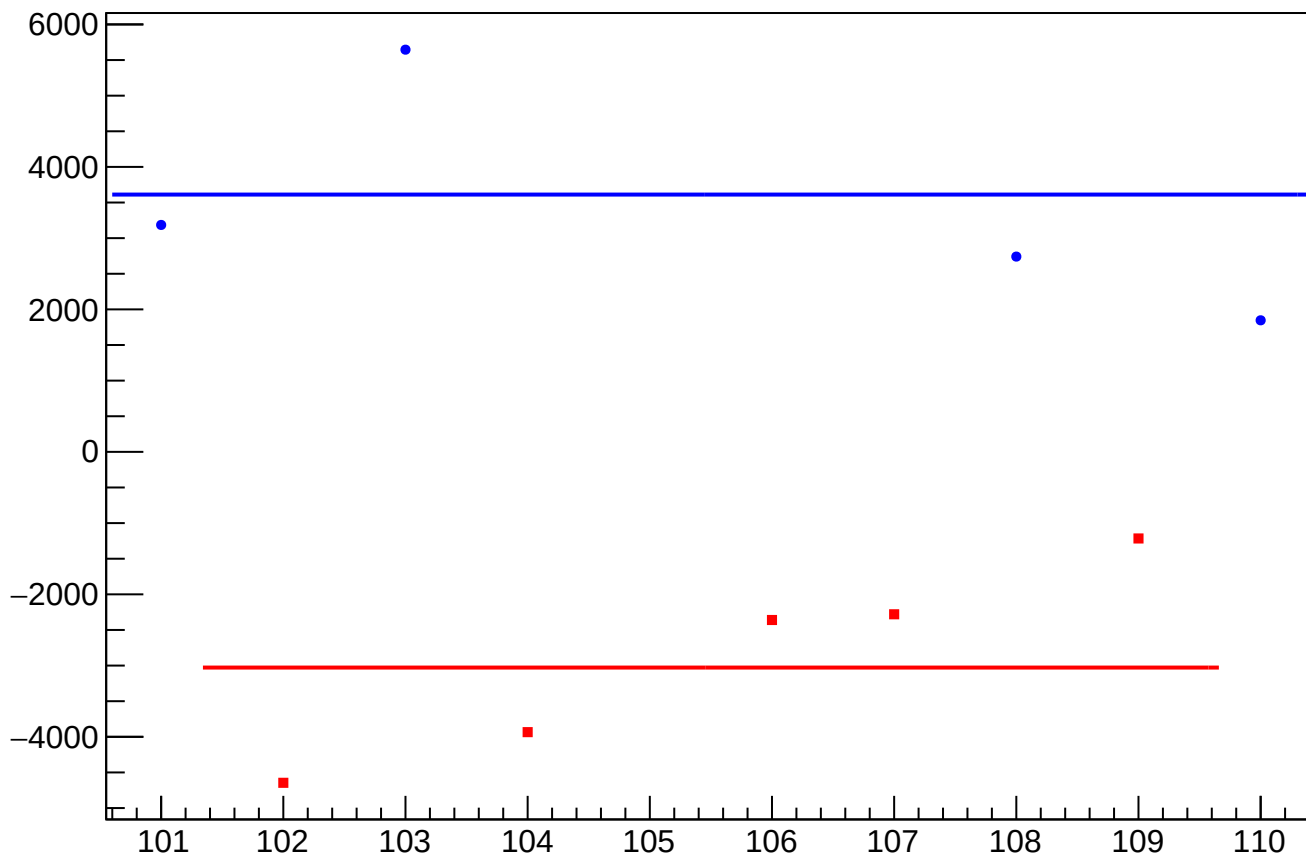
Right In: -23680.880+/-0.000  $\chi^2/\text{NDF}$ : 21878558964485312920189275830086633783296.0/3

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

Right Out: 24555.346+/-0.000  $\chi^2/\text{NDF}$ : 5096979490291799517680992625006007549952.0/4

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

dit\_sam2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 3611.658+/-0.000  $\chi^2/\text{NDF}$ : 392628093590963297761862588860295282688.0/3

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

Right Out: -3027.875+/-0.000  $\chi^2/\text{NDF}$ : 39510824313467659222524889261888503808.0/4

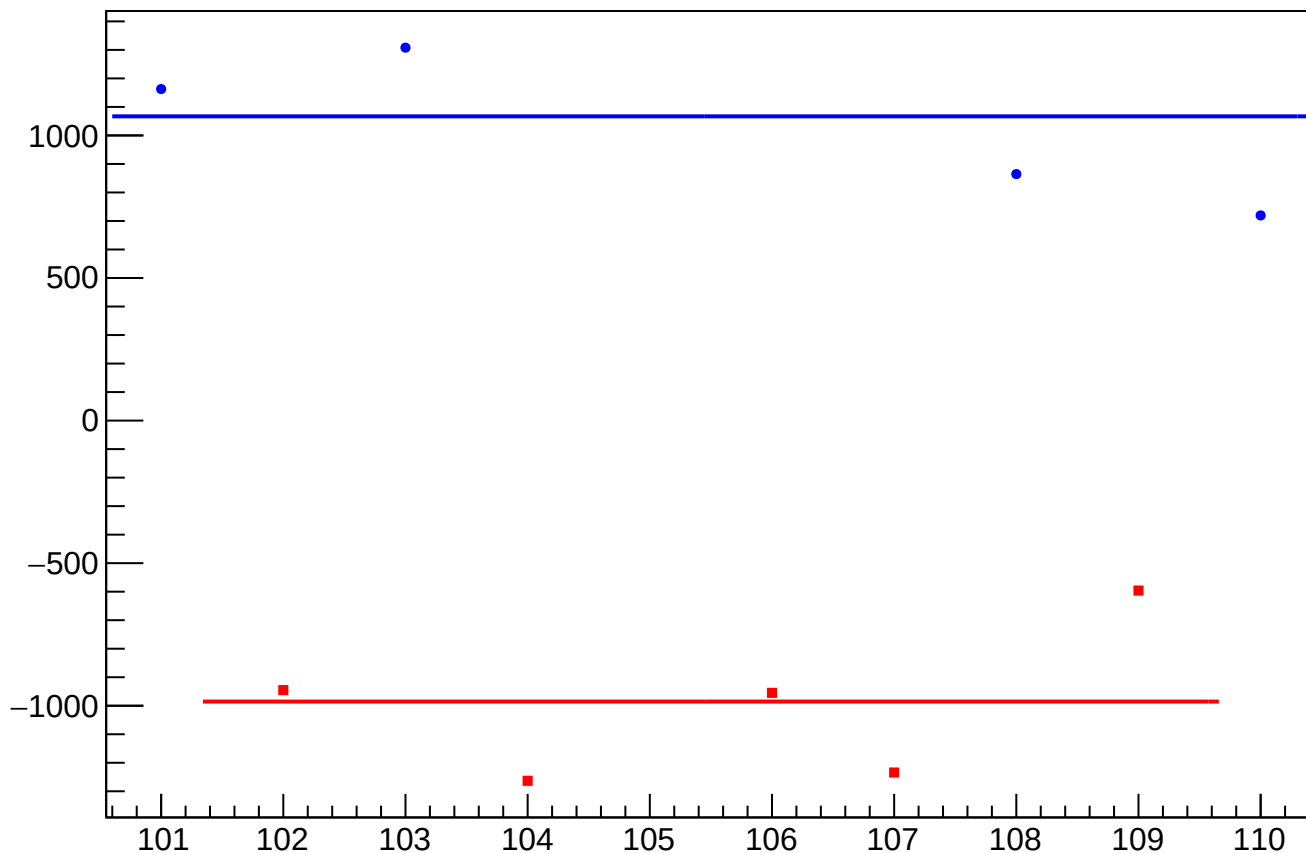
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3611.658+/-0.000  $\chi^2/\text{NDF}$ : 3926280935909632

5.979+/-0.000  $\chi^2/\text{NDF}$ : 53602810084733

-3027.875+/-0.000  $\chi^2/\text{NDF}$ : 395108243134676

dit\_sam2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

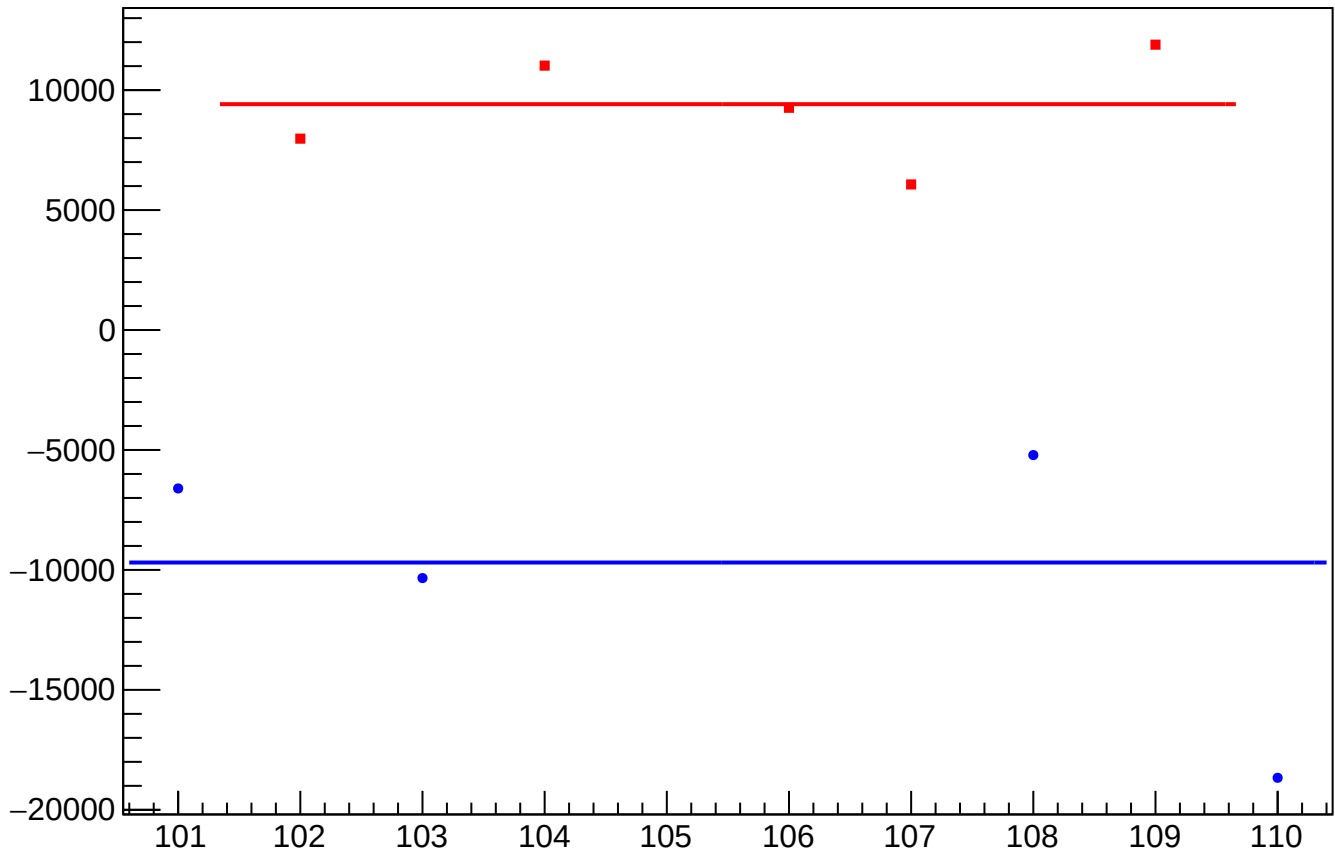
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

dit\_sam3\_coil7\_mean vs Slug, Sign Corrected



Right In: -9691.327+/-0.000  $\chi^2/\text{NDF}$ : 4167733800459550503643665180501332721664.0/3

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

-9691.327+/-0.000  $\chi^2/\text{NDF}$ : 416773380045955

683.859+/-0.000  $\chi^2/\text{NDF}$ : 429961851947

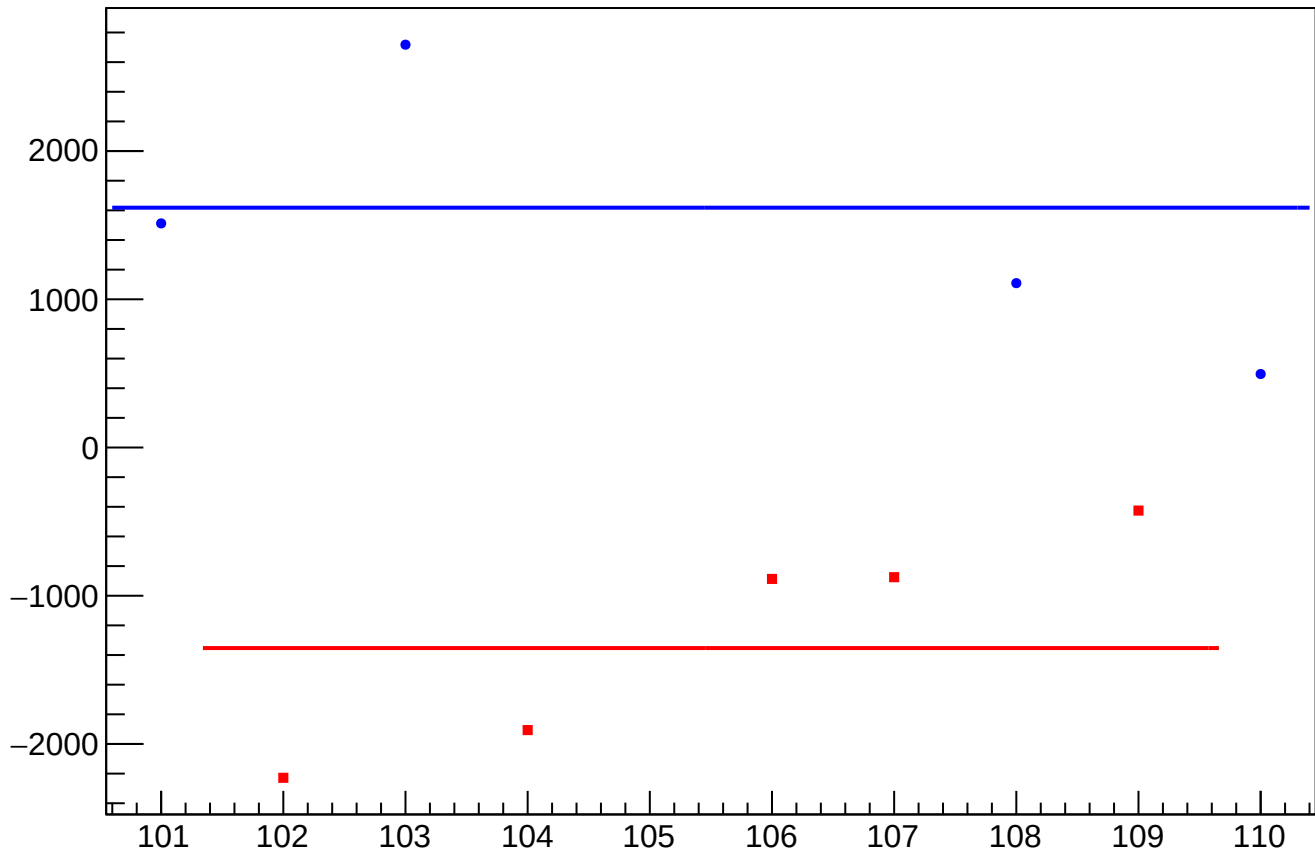
Right Out: 9413.641+/-0.000  $\chi^2/\text{NDF}$ : 968890261341669957521519796841086976000.0/4

9413.641+/-0.000  $\chi^2/\text{NDF}$ : 9688902613416699

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



dit\_sam3\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 1618.083+/-0.000  $\chi^2/\text{NDF}$ : 125953132829477656215356602684977184768.0/3

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

Right Out: -1353.030+/-0.000  $\chi^2/\text{NDF}$ : 118903372878571326648303480954618380288.0/4

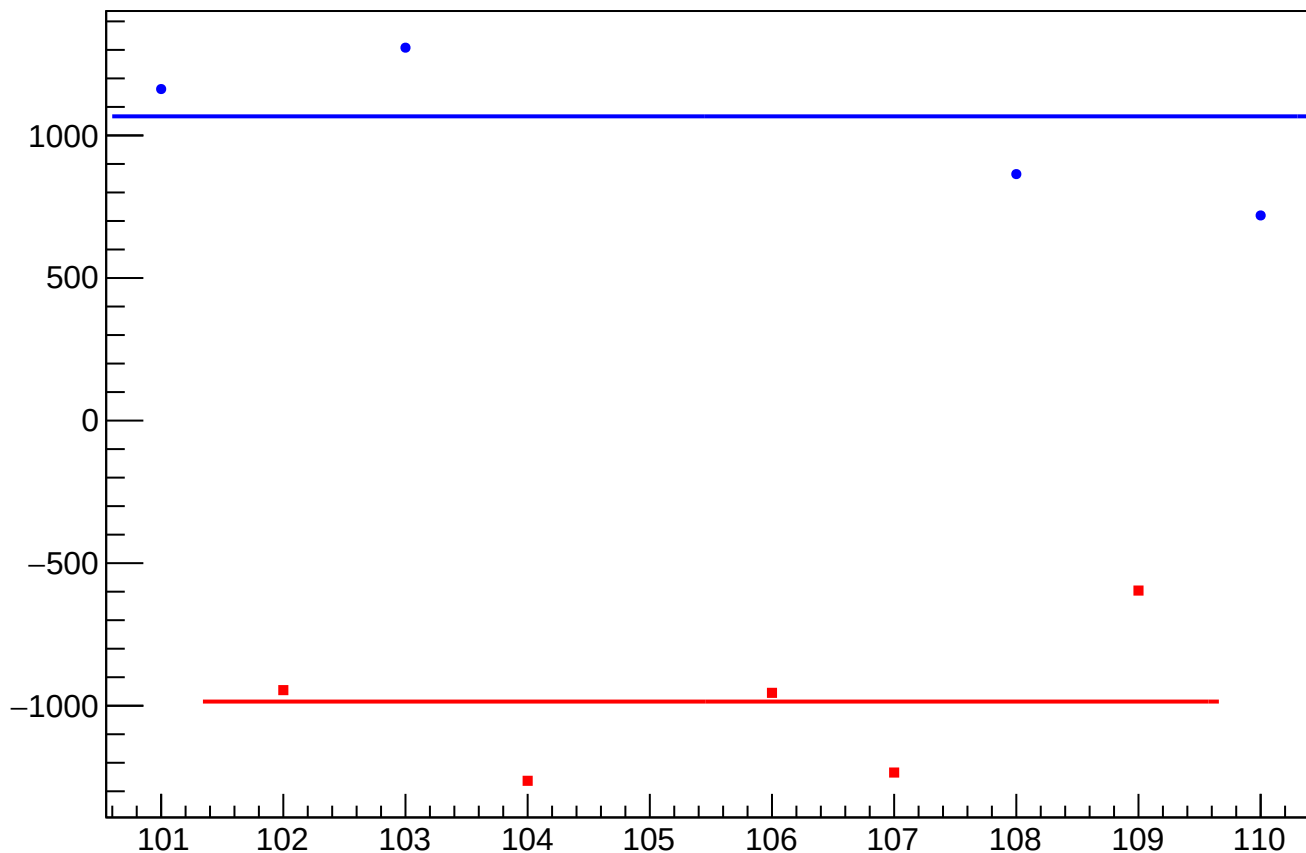
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1618.083+/-0.000  $\chi^2/\text{NDF}$ : 1259531328294776

4.584+/-0.000  $\chi^2/\text{NDF}$ : 11604888988787

-1353.030+/-0.000  $\chi^2/\text{NDF}$ : 118903372878571

dit\_sam3\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

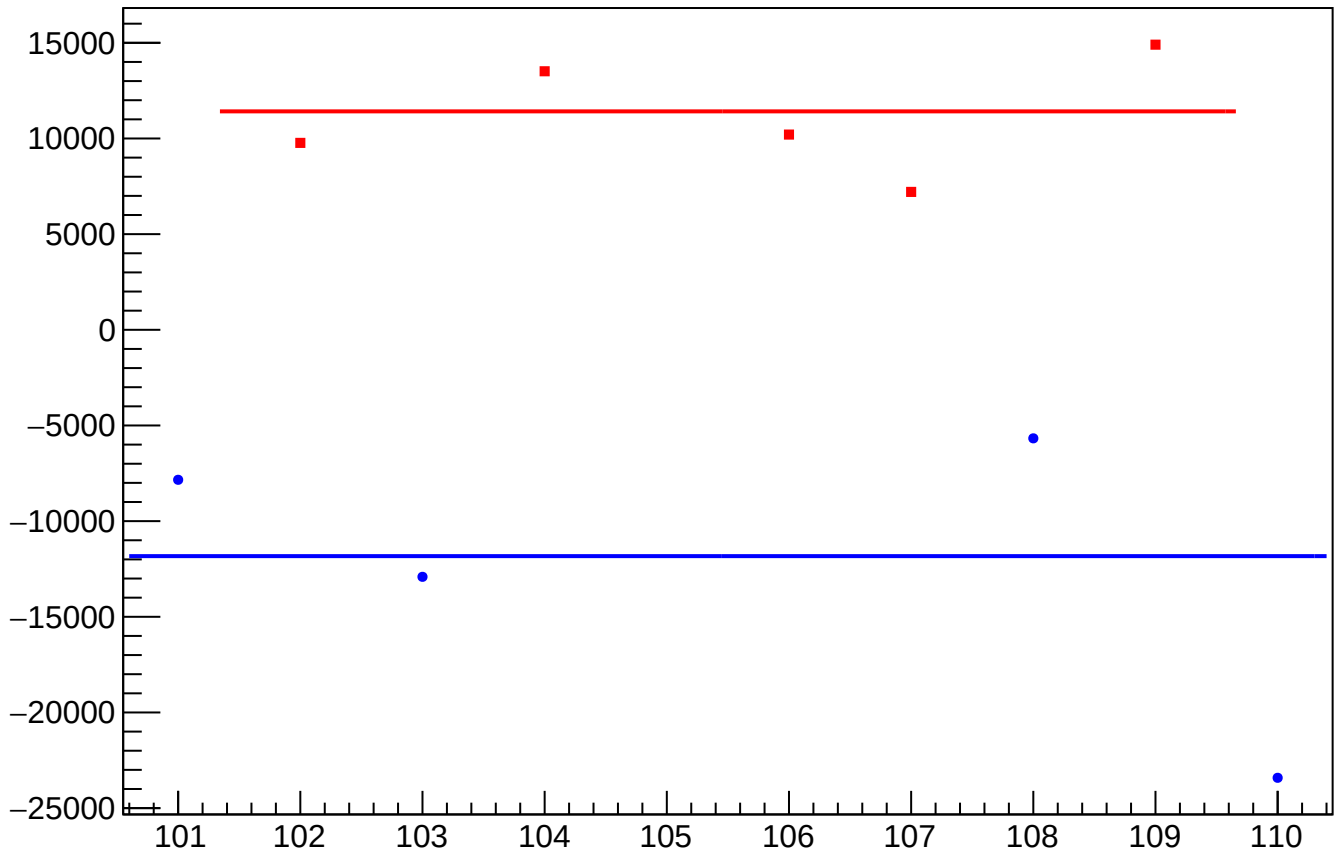
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/1

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

dit\_sam4\_coil7\_mean vs Slug, Sign Corrected



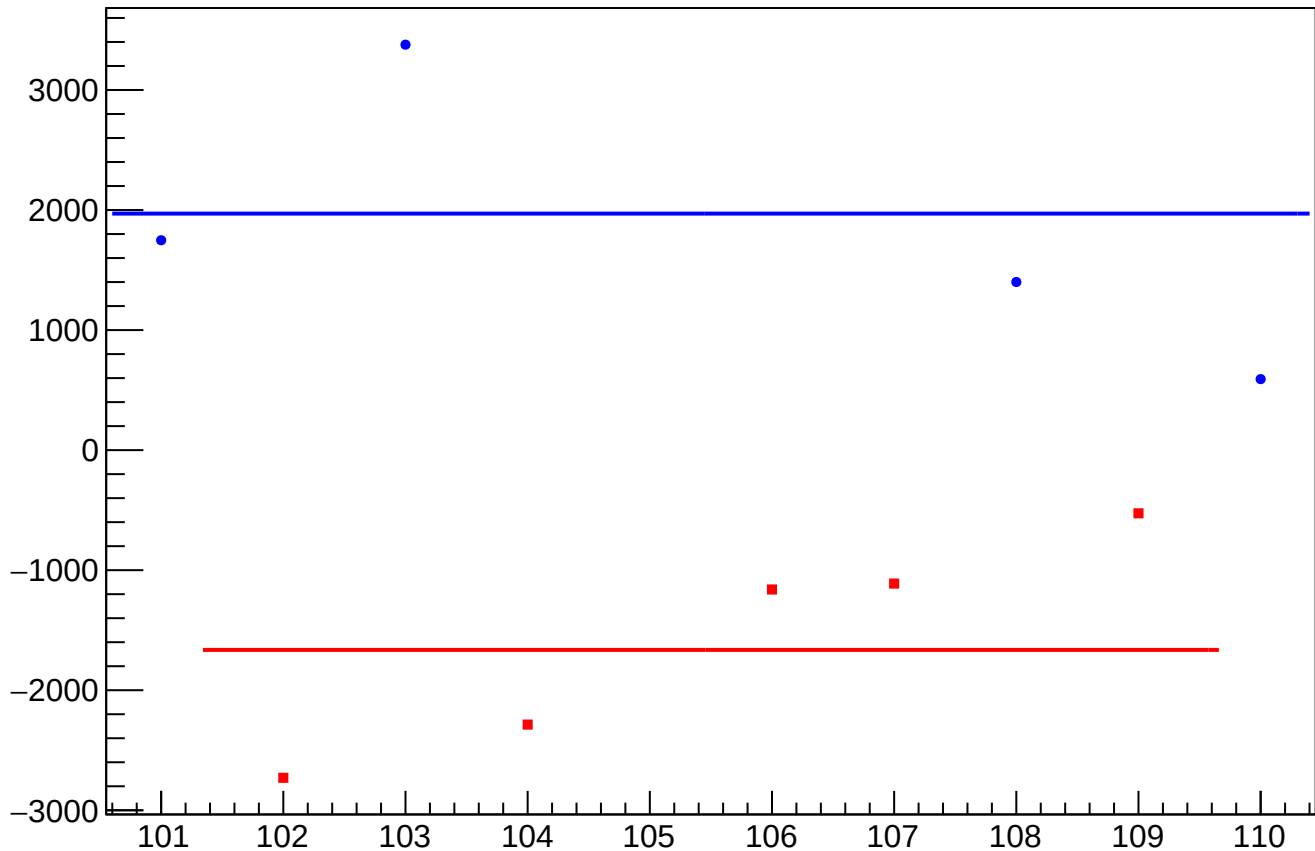
Right In: -11829.005+/-0.000  $\chi^2/\text{NDF}$ : 7146596487263954829497669777206242443264.0/3

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

Right Out: 11417.118+/-0.000  $\chi^2/\text{NDF}$ : 1684669190885882748950217038828402638848.0/4

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

dit\_sam4\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 1970.402+/-0.000  $\chi^2/\text{NDF}$ : 198616162639586016594823422203133952000.0/3

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

Right Out: -1664.138+/-0.000  $\chi^2/\text{NDF}$ : 170419845525483900095444930851015491584.0/4

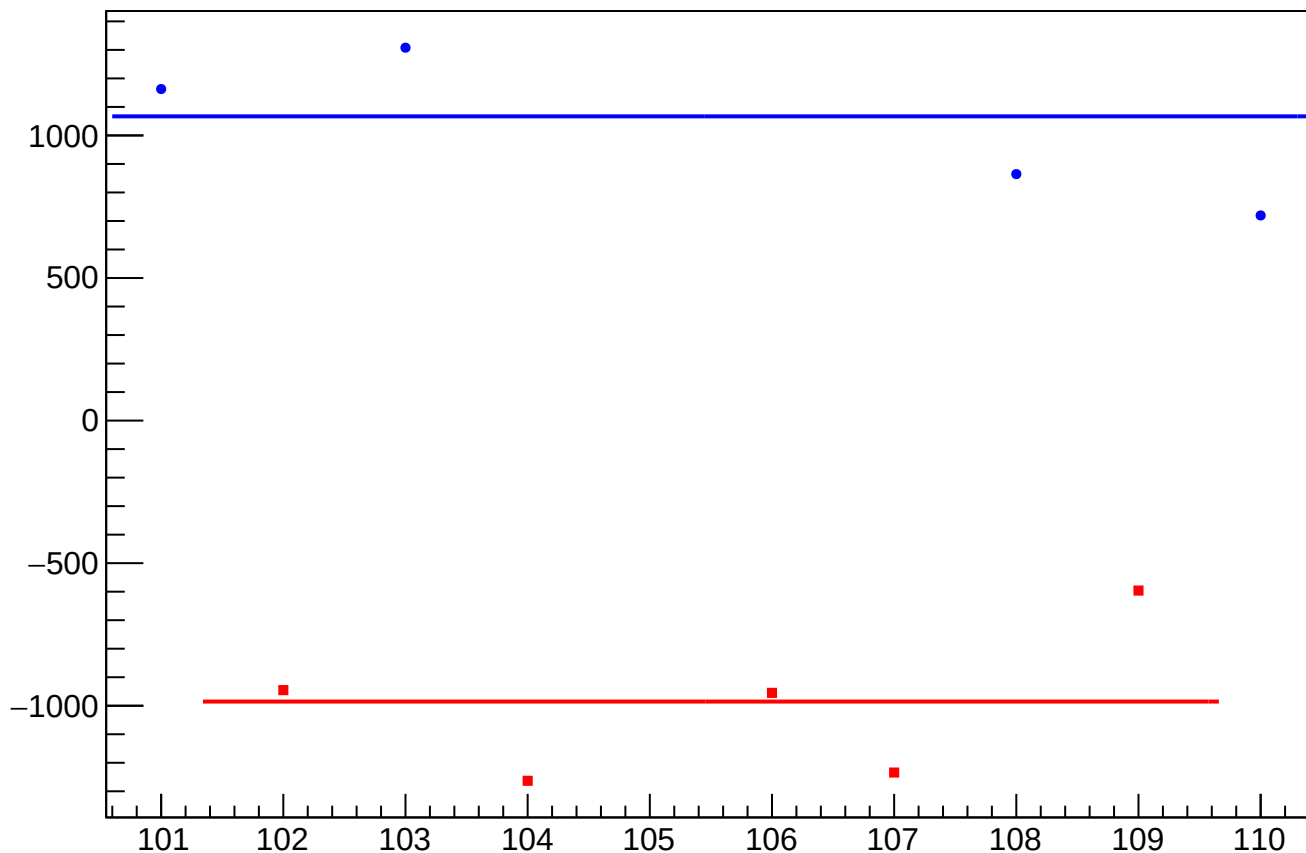
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1970.402+/-0.000  $\chi^2/\text{NDF}$ : 1986161626395860

-3.380+/-0.000  $\chi^2/\text{NDF}$ : 1739229517386

-1664.138+/-0.000  $\chi^2/\text{NDF}$ : 170419845525483

dit\_sam4\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

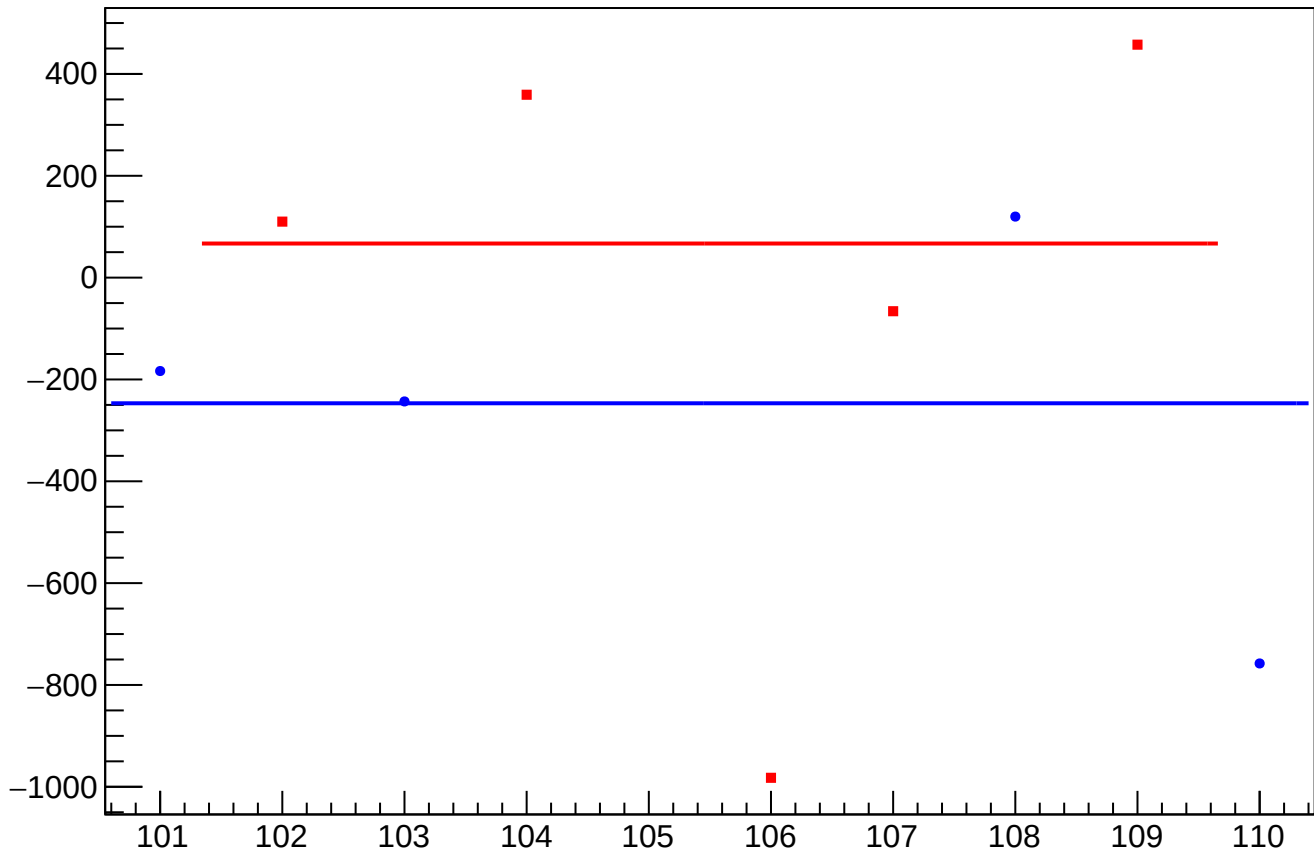
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

dit\_sam5\_coil7\_mean vs Slug, Sign Corrected



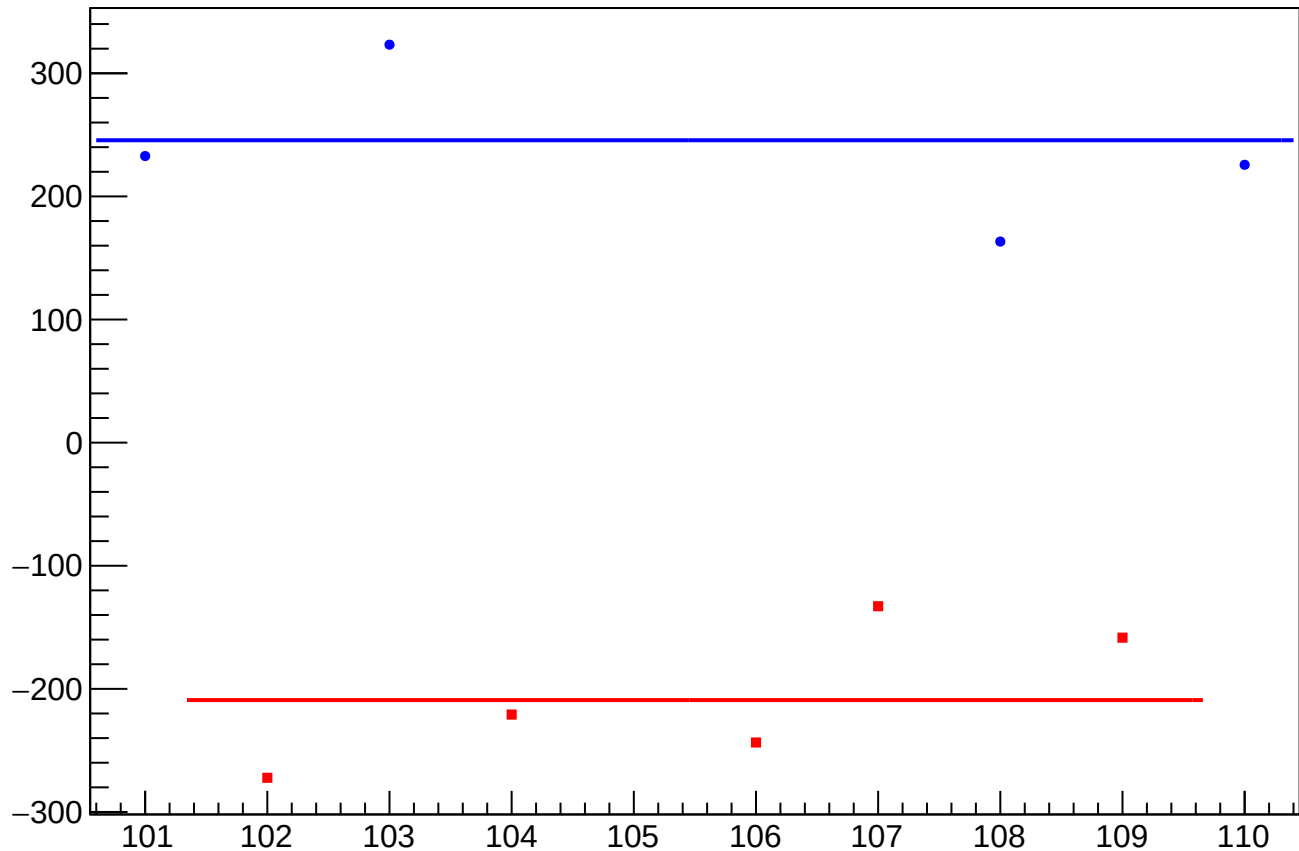
Right In: -246.791 $\pm$ 0.000  $\chi^2$ /NDF: 14484649794826005328798430910880940032.0/3

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

Right Out: 66.972 $\pm$ 0.000  $\chi^2$ /NDF: 47009173910124512707217747186309660672.0/4

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

dit\_sam5\_coil7\_err\_mean vs Slug, Sign Corrected



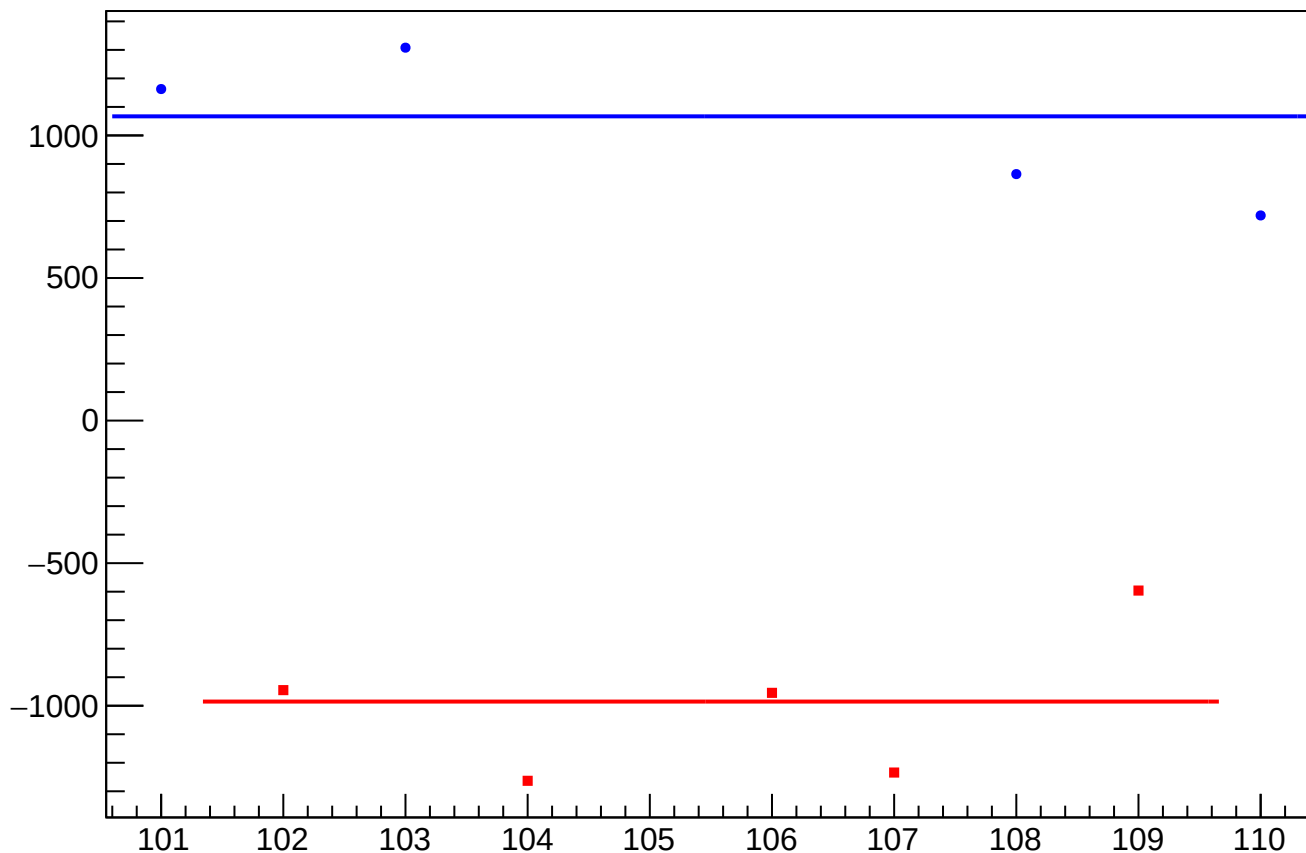
Right In: 245.613+/-0.000  $\chi^2/\text{NDF}$ : 636561588285809158449475074041839616.0/3

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

Right Out: -209.109+/-0.000  $\chi^2/\text{NDF}$ : 615174559099699003248737554058444800.0/4

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

dit\_sam5\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958 $\pm$ 0.000  $\chi^2$ /NDF: 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379 $\pm$ 0.000  $\chi^2$ /NDF: 14019409293490407124774802737323835392.0/4

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

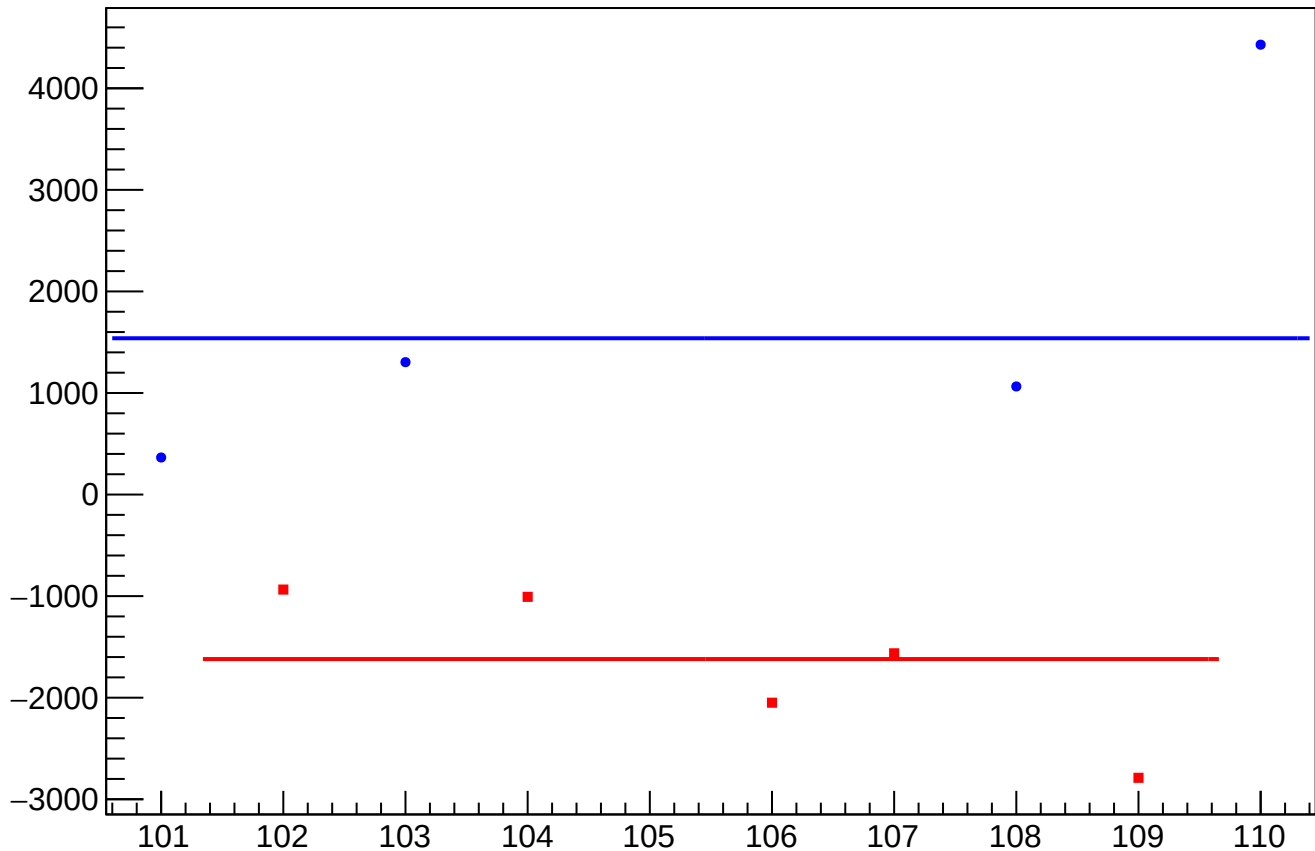
1066.958 $\pm$ 0.000  $\chi^2$ /NDF: 9748736037739100035403194349272432640.0/3

-47.589 $\pm$ 0.000  $\chi^2$ /NDF: 4606663694720.0/3

-985.379 $\pm$ 0.000  $\chi^2$ /NDF: 14019409293490407124774802737323835392.0/4



dit\_sam6\_coil7\_mean vs Slug, Sign Corrected



Right In: 1538.885 $\pm$ 0.000  $\chi^2$ /NDF: 385595965571869731782341540634381254656.0/3

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

Right Out: -1619.612 $\pm$ 0.000  $\chi^2$ /NDF: 121837429663542204959057305083920252928.0/4

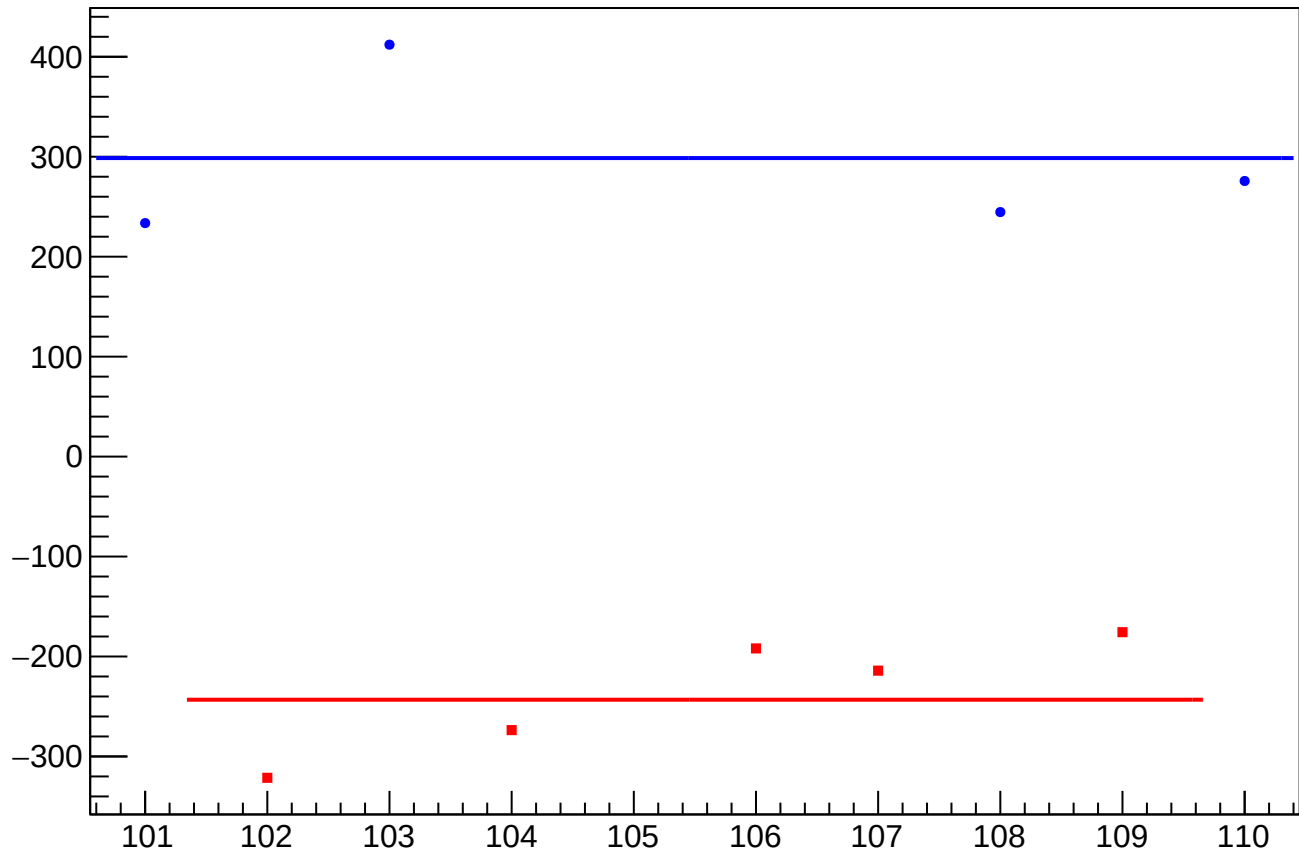
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1538.885 $\pm$ 0.000  $\chi^2$ /NDF: 385595965571869731782341540634381254656.0/3

-176.375 $\pm$ 0.000  $\chi^2$ /NDF: 154220391689

-1619.612 $\pm$ 0.000  $\chi^2$ /NDF: 121837429663542204959057305083920252928.0/4

# dit\_sam6\_coil7\_err\_mean vs Slug, Sign Corrected



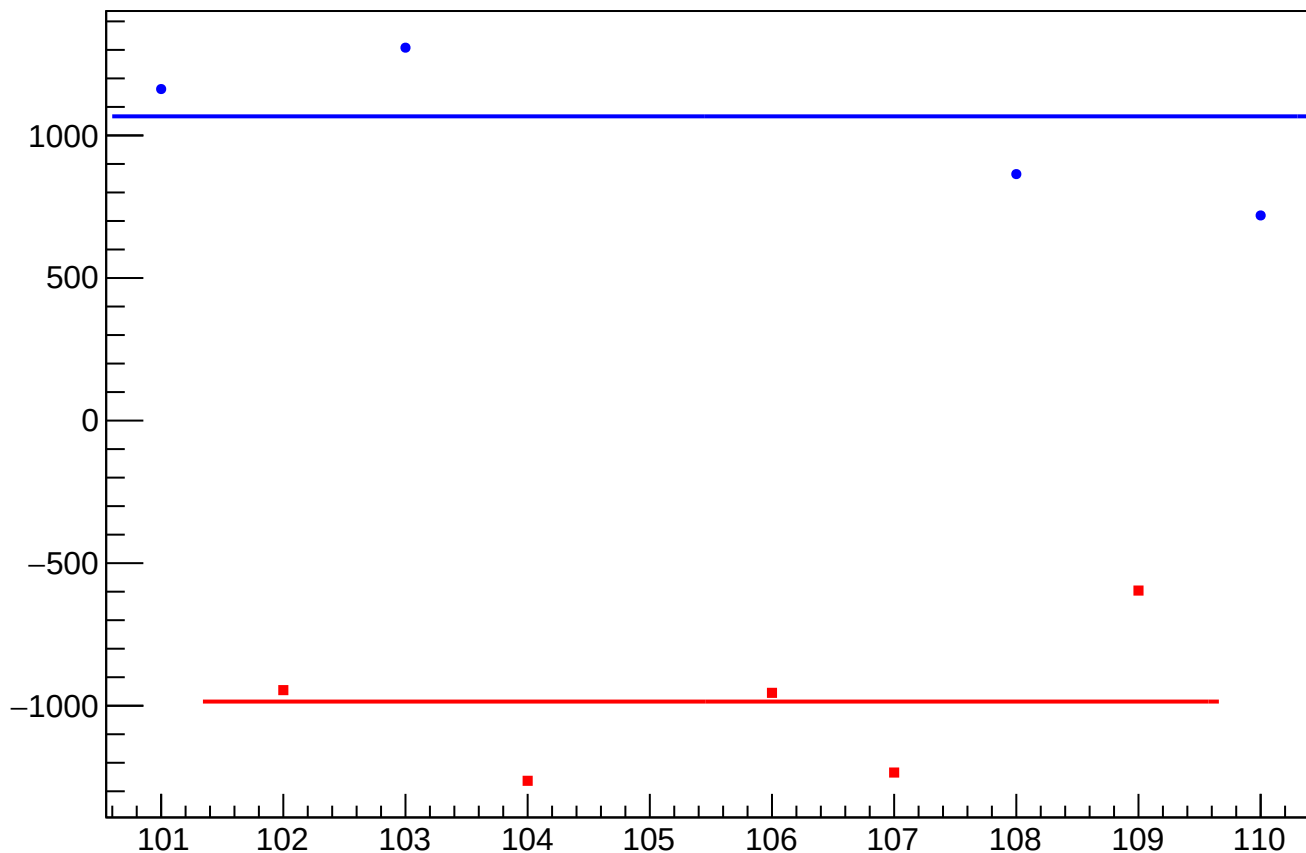
Right In: 298.660 $\pm$ 0.000  $\chi^2$ /NDF: 1138485946766125187941307086037581824.0/3

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

Right Out: -243.225 $\pm$ 0.000  $\chi^2$ /NDF: 746034713538848323441109339111161856.0/4

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

dit\_sam6\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

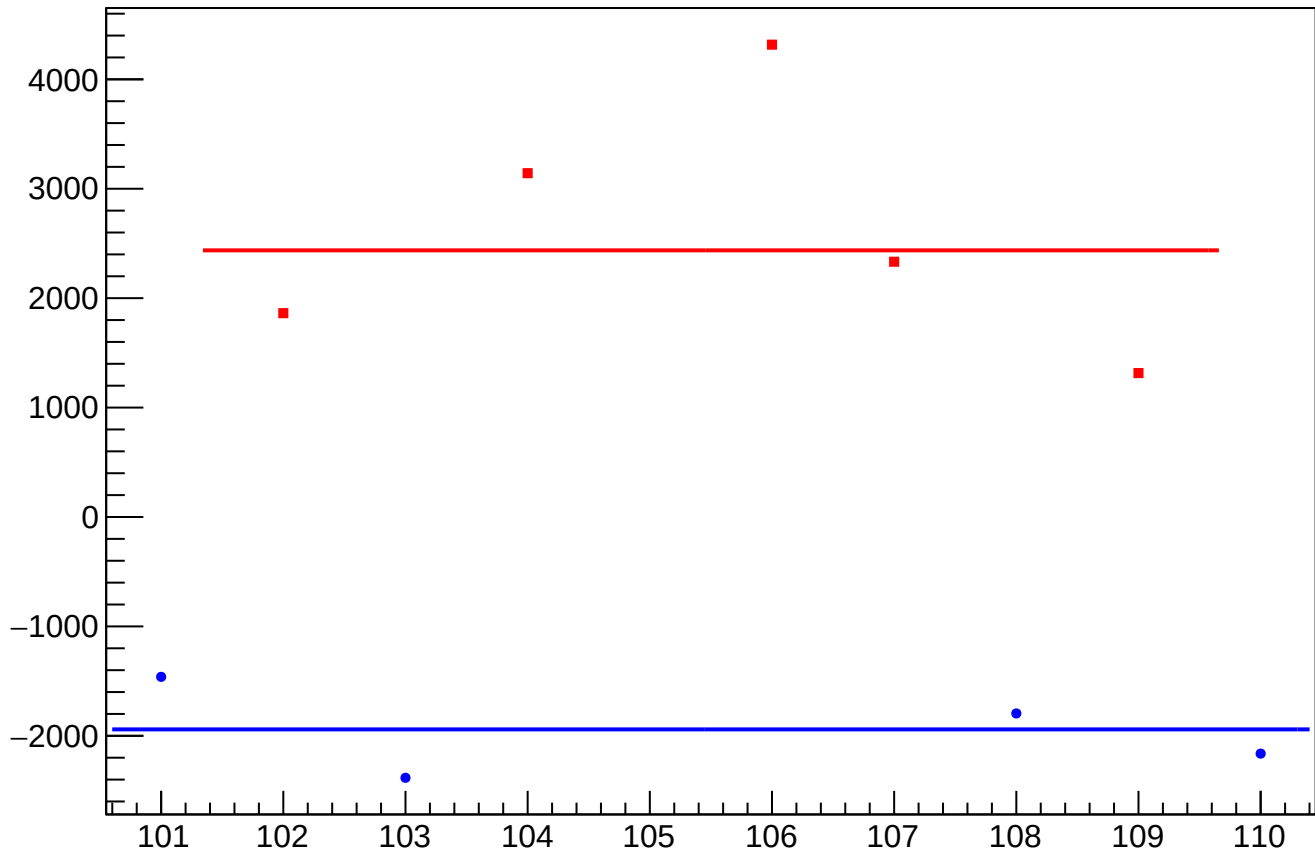
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

# dit\_sam7\_coil7\_mean vs Slug, Sign Corrected



Right In: -1941.128+/-0.000  $\chi^2/\text{NDF}$ : 27676008079582488497114552163805167616.0/3

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

Right Out: 2436.920+/-0.000  $\chi^2/\text{NDF}$ : 218592108454264658848531156109407289344.0/4

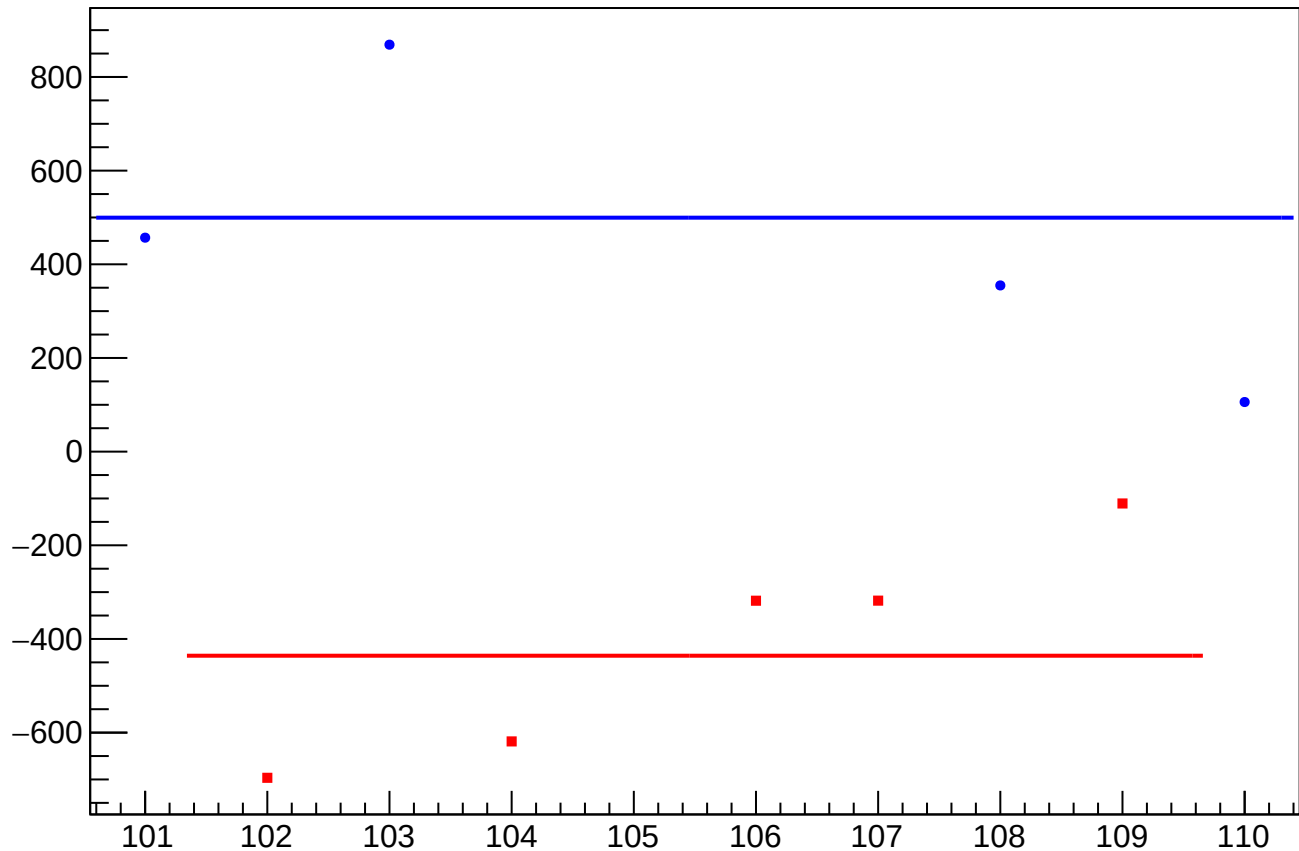
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1941.128+/-0.000  $\chi^2/\text{NDF}$ : 276760080795824

436.424+/-0.000  $\chi^2/\text{NDF}$ : 223439457975

2436.920+/-0.000  $\chi^2/\text{NDF}$ : 2185921084542646

dit\_sam7\_coil7\_err\_mean vs Slug, Sign Corrected



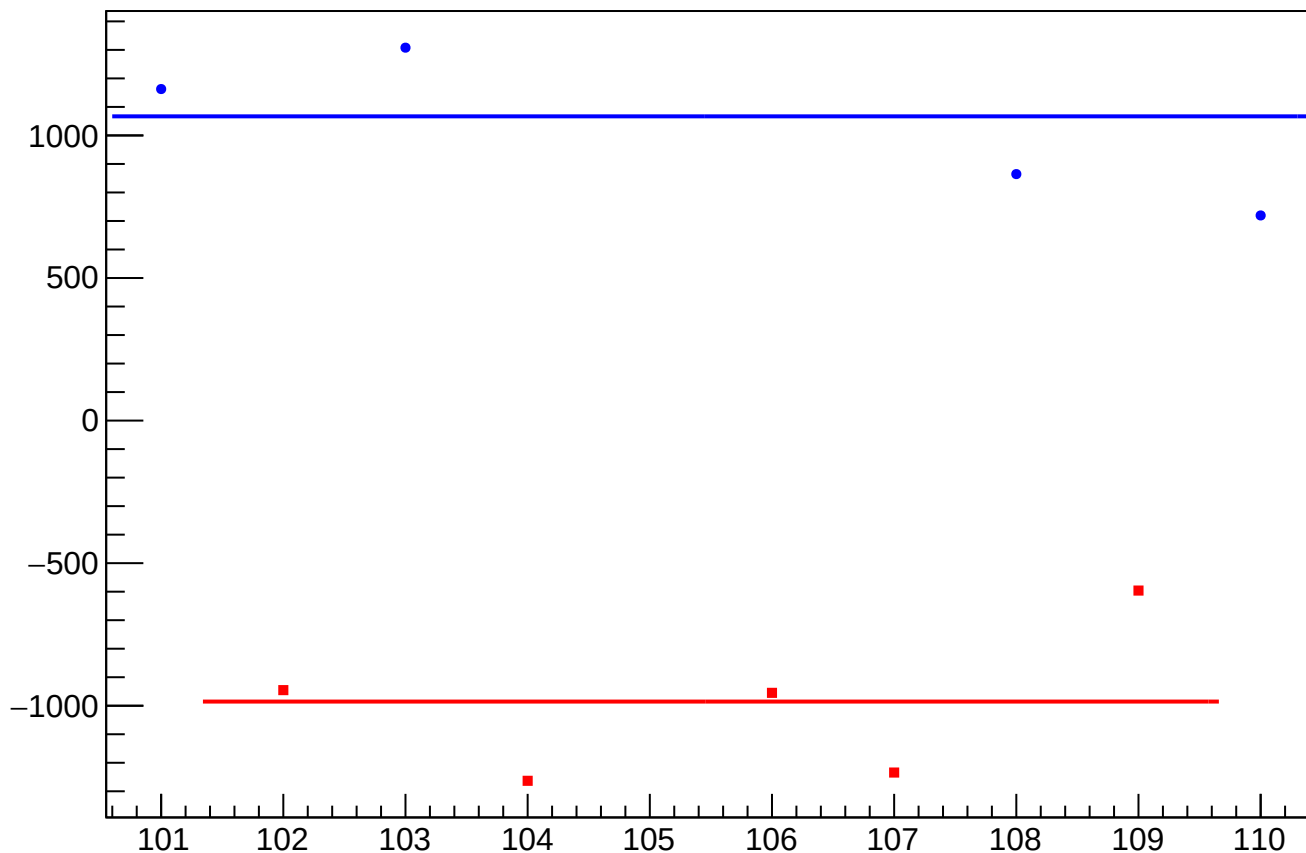
Right In: 499.570+/-0.000  $\chi^2/\text{NDF}$ : 14377762234783120176139890196823932928.0/3

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

Right Out: -435.778+/-0.000  $\chi^2/\text{NDF}$ : 11964110251452963501317875192727339008.0/4

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

dit\_sam7\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

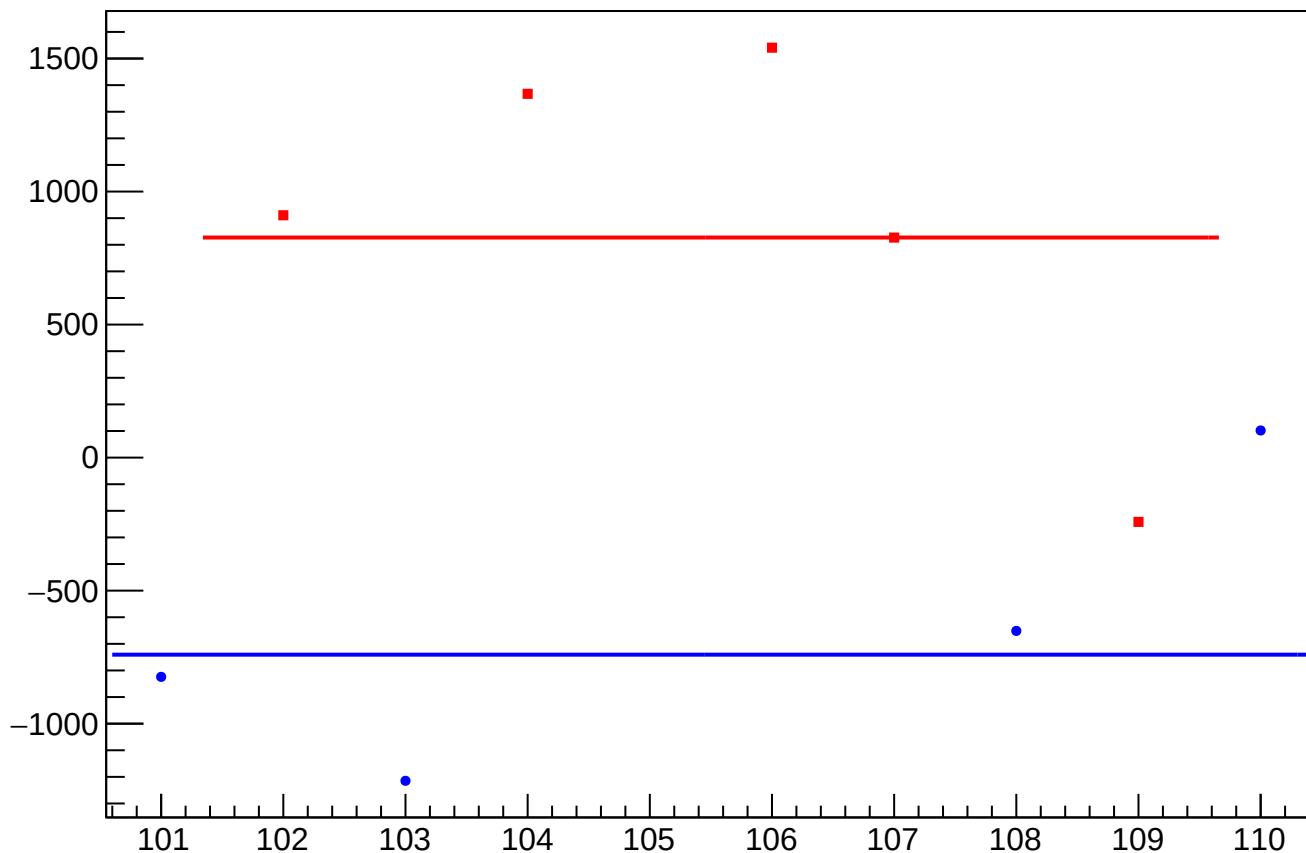
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/1

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

# dit\_sam8\_coil7\_mean vs Slug, Sign Corrected



Right In: -740.688+/-0.000  $\chi^2/\text{NDF}$ : 38824700548337515242286889883951693824.0/3

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

Right Out: 827.257+/-0.000  $\chi^2/\text{NDF}$ : 89329892452881262079520398972869935104.0/4

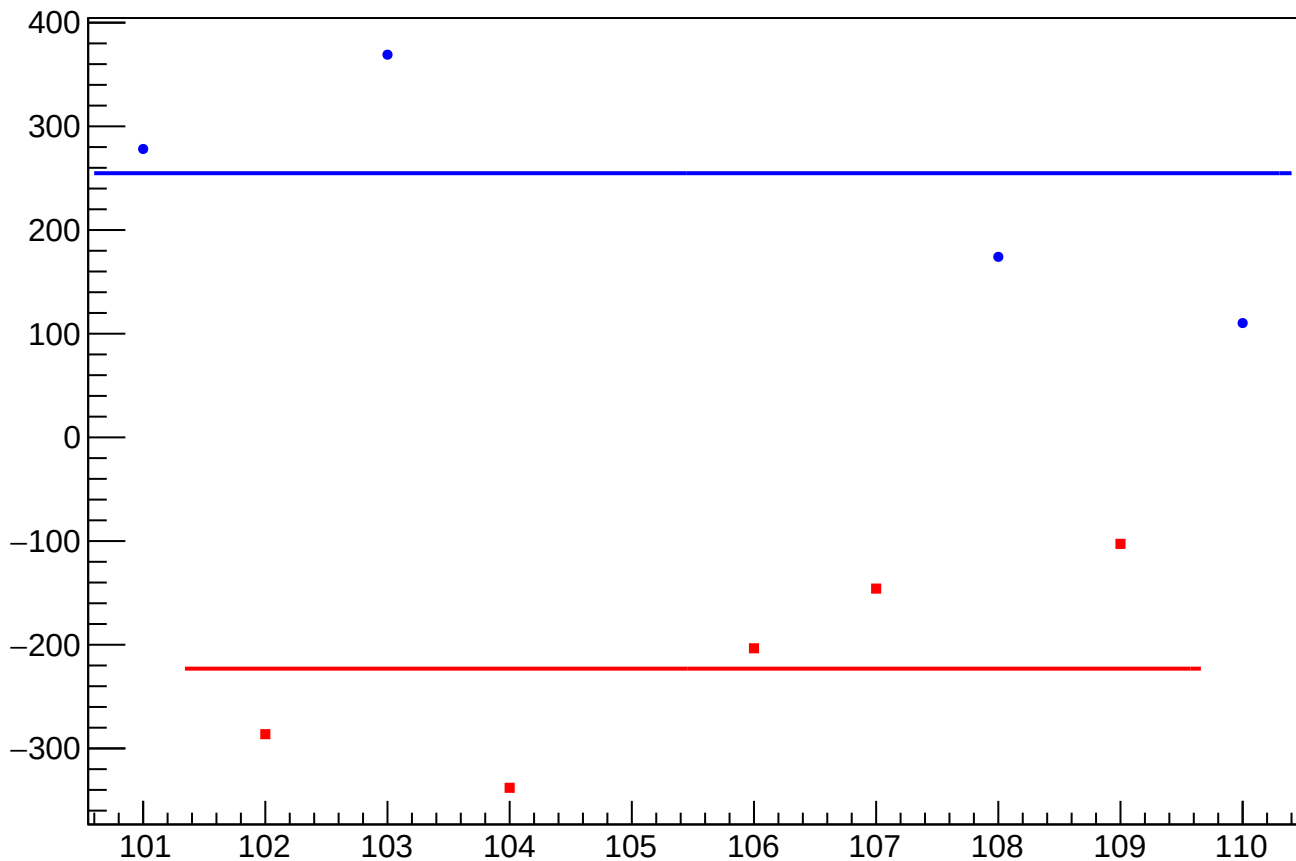
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-740.688+/-0.000  $\chi^2/\text{NDF}$ : 3882470054833751

110.803+/-0.000  $\chi^2/\text{NDF}$ : 383157038178

827.257+/-0.000  $\chi^2/\text{NDF}$ : 89329892452881262

dit\_sam8\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 254.800+/-0.000  $\chi^2/\text{NDF}$ : 1781826790416791595045226834592530432.0/3

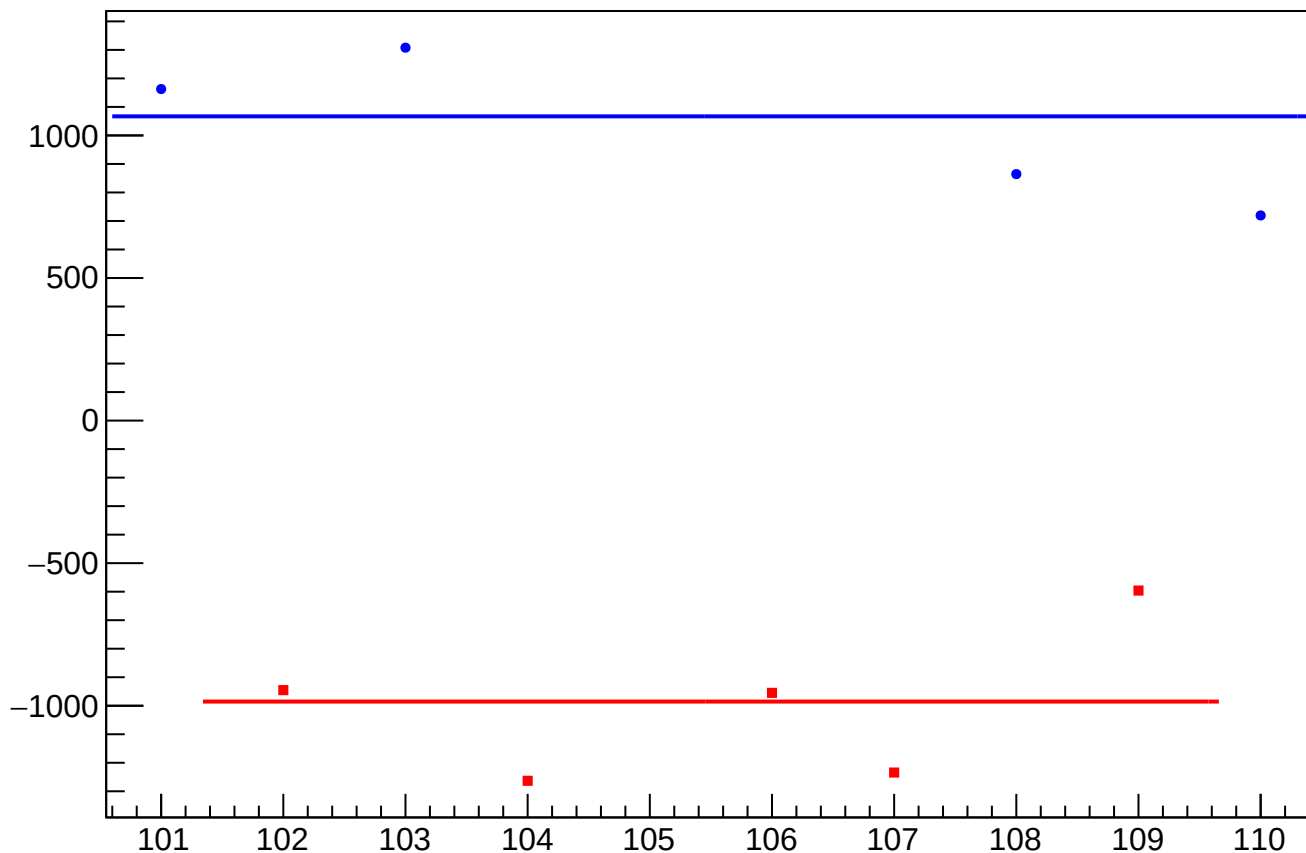
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -223.053+/-0.000  $\chi^2/\text{NDF}$ : 1870543651342349278441399934760517632.0/4

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



dit\_sam8\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

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

Right Out: -985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

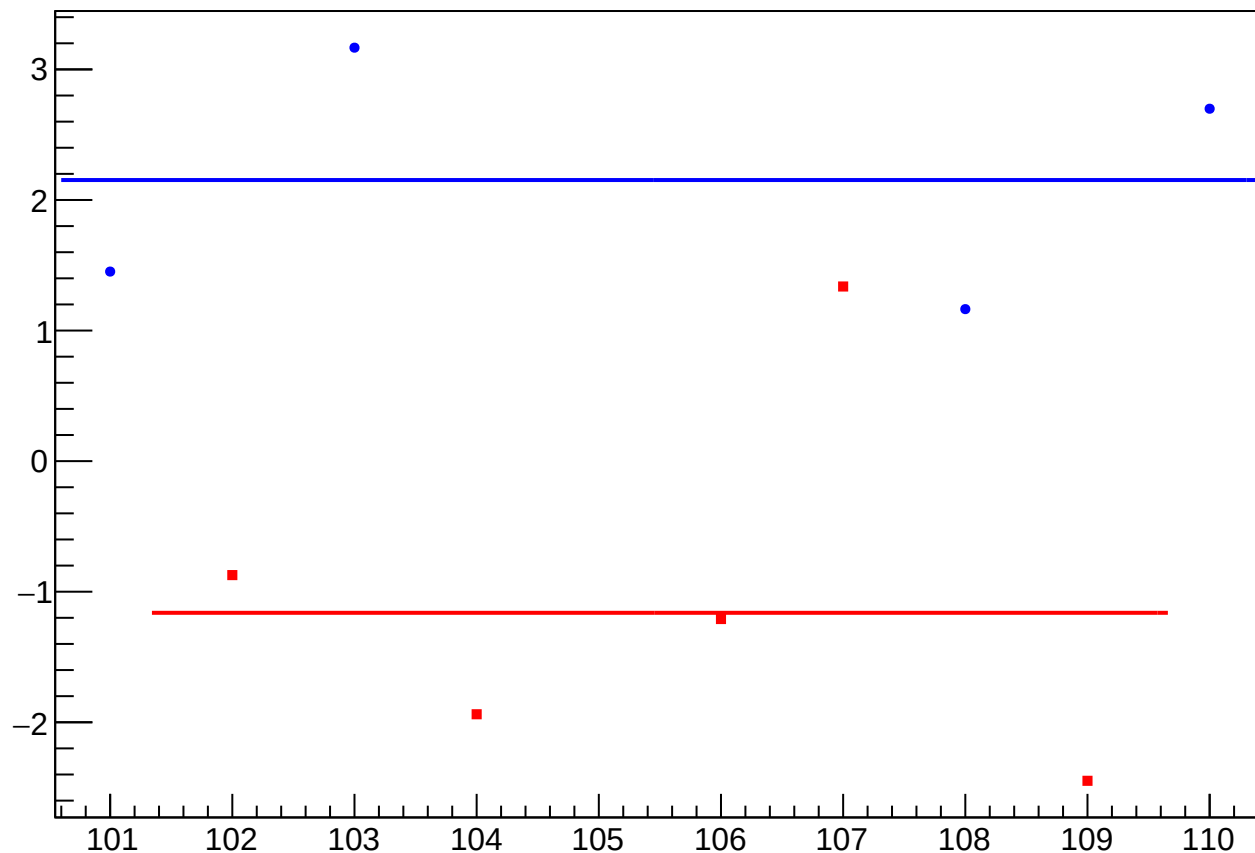
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1066.958+/-0.000  $\chi^2/\text{NDF}$ : 9748736037739100035403194349272432640.0/3

-47.589+/-0.000  $\chi^2/\text{NDF}$ : 4606663694720.0/3

-985.379+/-0.000  $\chi^2/\text{NDF}$ : 14019409293490407124774802737323835392.0/4

dit\_4aX\_coil4\_mean vs Slug, Sign Corrected



Right In: 2.153+/-0.000  $\chi^2/\text{NDF}$ : 137205288516114881529820787769344.0/3

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

Right Out: -1.162+/-0.000  $\chi^2/\text{NDF}$ : 344945487263031821746744034590720.0/4

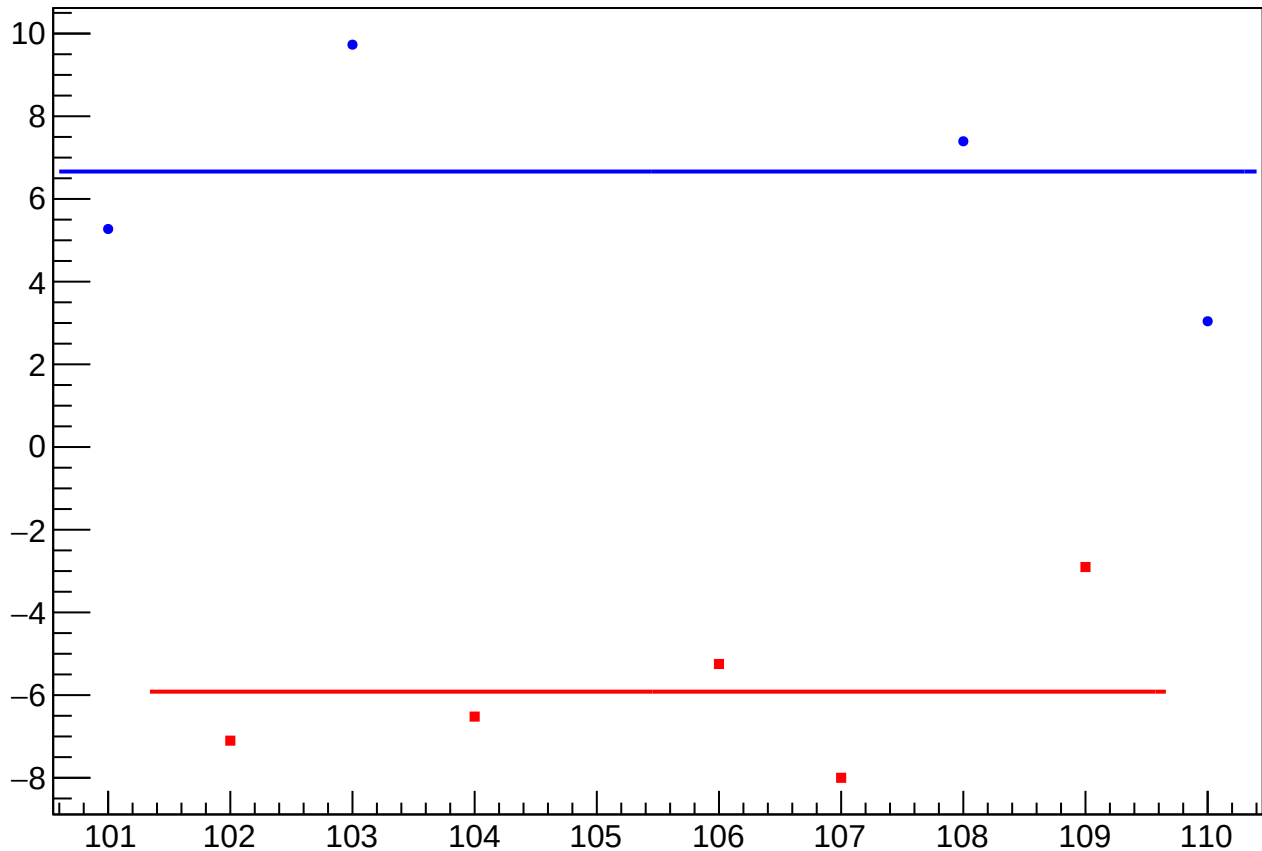
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.153+/-0.000  $\chi^2/\text{NDF}$ : 1372052885161148815

0.353+/-0.000  $\chi^2/\text{NDF}$ : 16215628164215

-1.162+/-0.000  $\chi^2/\text{NDF}$ : 344945487263031821

dit\_4aX\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 6.664+/-0.000  $\chi^2/\text{NDF}$ : 1148676945680435010122826792304640.0/3

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

Right Out: -5.916+/-0.000  $\chi^2/\text{NDF}$ : 733597915589464108454756067835904.0/4

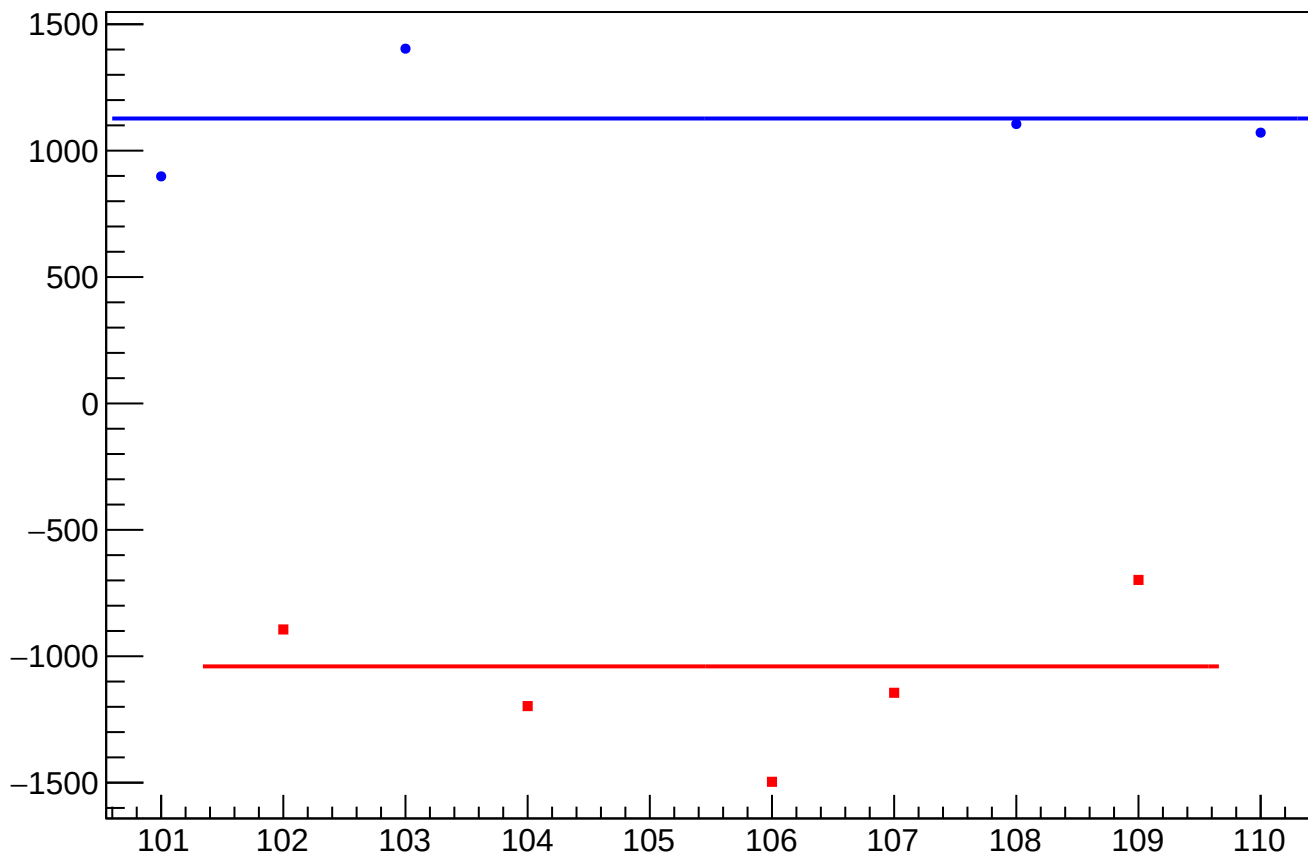
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.664+/-0.000  $\chi^2/\text{NDF}$ : 1148676945680435010122826792304640.0/3

-0.168+/-0.000  $\chi^2/\text{NDF}$ : 1829766313518.0/3

-5.916+/-0.000  $\chi^2/\text{NDF}$ : 733597915589464108454756067835904.0/4

dit\_4aX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



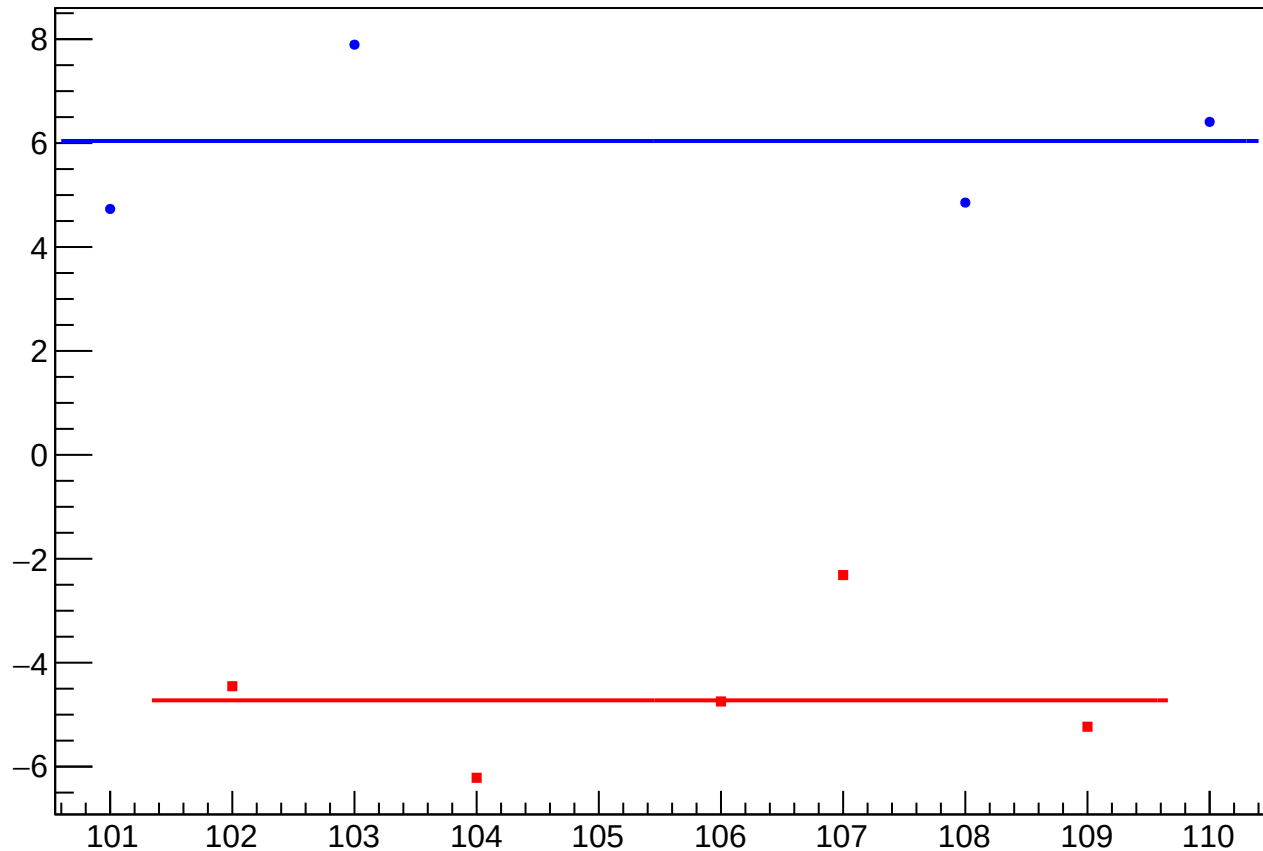
Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

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

# dit\_4eX\_coil4\_mean vs Slug, Sign Corrected



Right In: 6.041+/-0.000  $\chi^2/\text{NDF}$ : 361866353348533044334446824652800.0/3

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

Right Out: -4.725+/-0.000  $\chi^2/\text{NDF}$ : 339977440472883148829285310005248.0/4

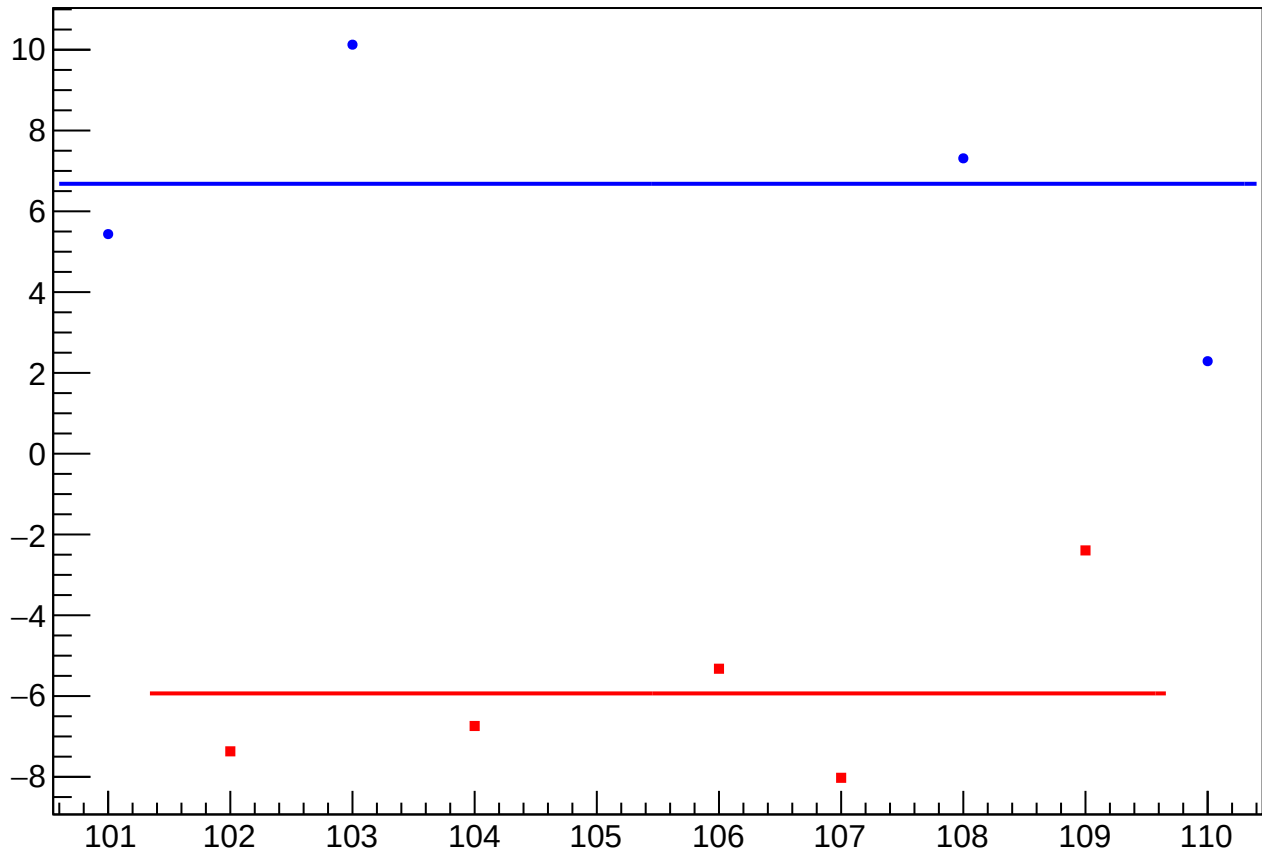
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.041+/-0.000  $\chi^2/\text{NDF}$ : 3618663533485330443

0.194+/-0.000  $\chi^2/\text{NDF}$ : 12722672506031

-4.725+/-0.000  $\chi^2/\text{NDF}$ : 339977440472883148

dit\_4eX\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 6.681+/-0.000  $\chi^2/\text{NDF}$ : 1481245844391142254318401213169664.0/3

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

6.681+/-0.000  $\chi^2/\text{NDF}$ : 1481245844391142254

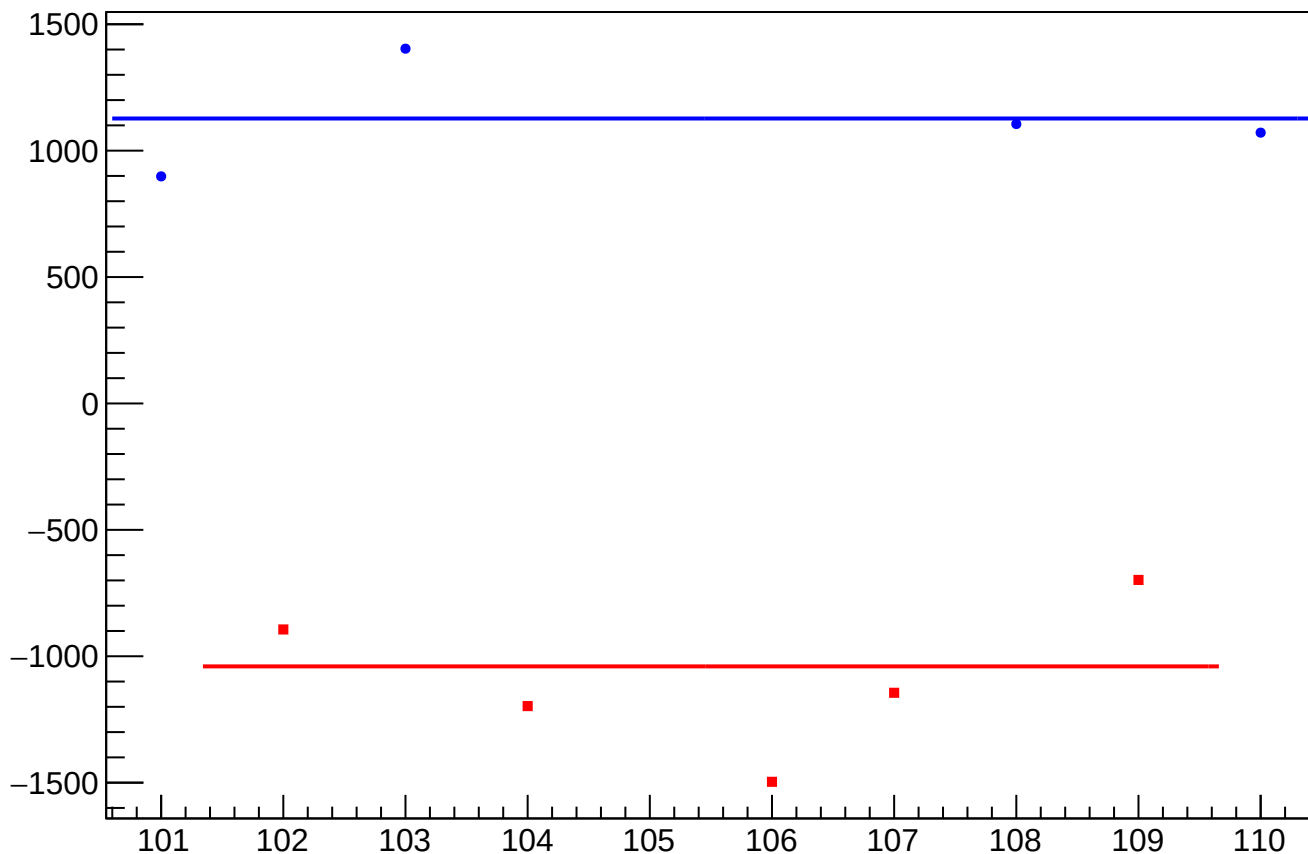
-0.170+/-0.000  $\chi^2/\text{NDF}$ : 18950279501777

Right Out: -5.934+/-0.000  $\chi^2/\text{NDF}$ : 960183688213606933182443612536832.0/4

-5.934+/-0.000  $\chi^2/\text{NDF}$ : 960183688213606933

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

dit\_4eX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



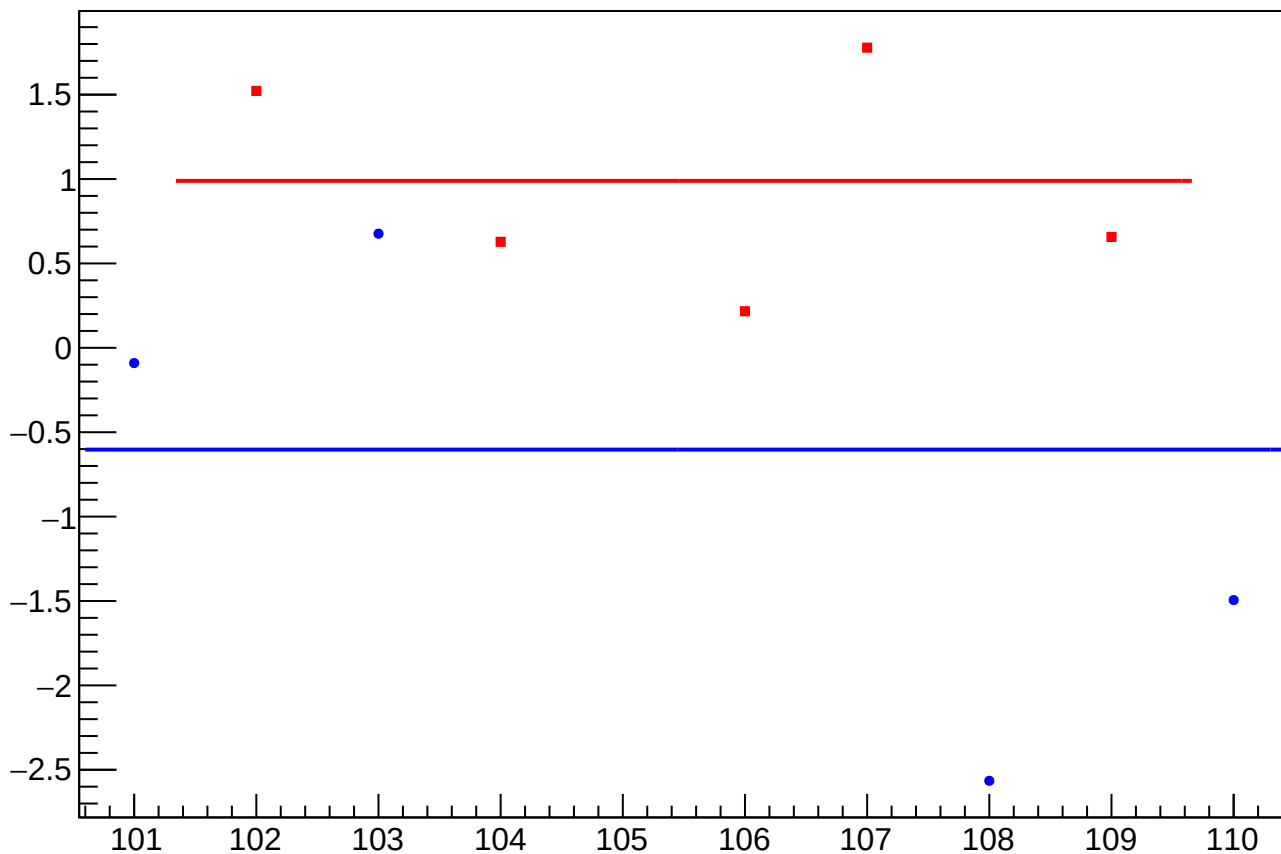
Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

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

dit\_11X12X\_coil4\_mean vs Slug, Sign Corrected



Right In: -0.603+/-0.000  $\chi^2/\text{NDF}$ : 286214484812192494087275991269376.0/3

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

Right Out: 0.989+/-0.000  $\chi^2/\text{NDF}$ : 69663512358576243704484339908608.0/4

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

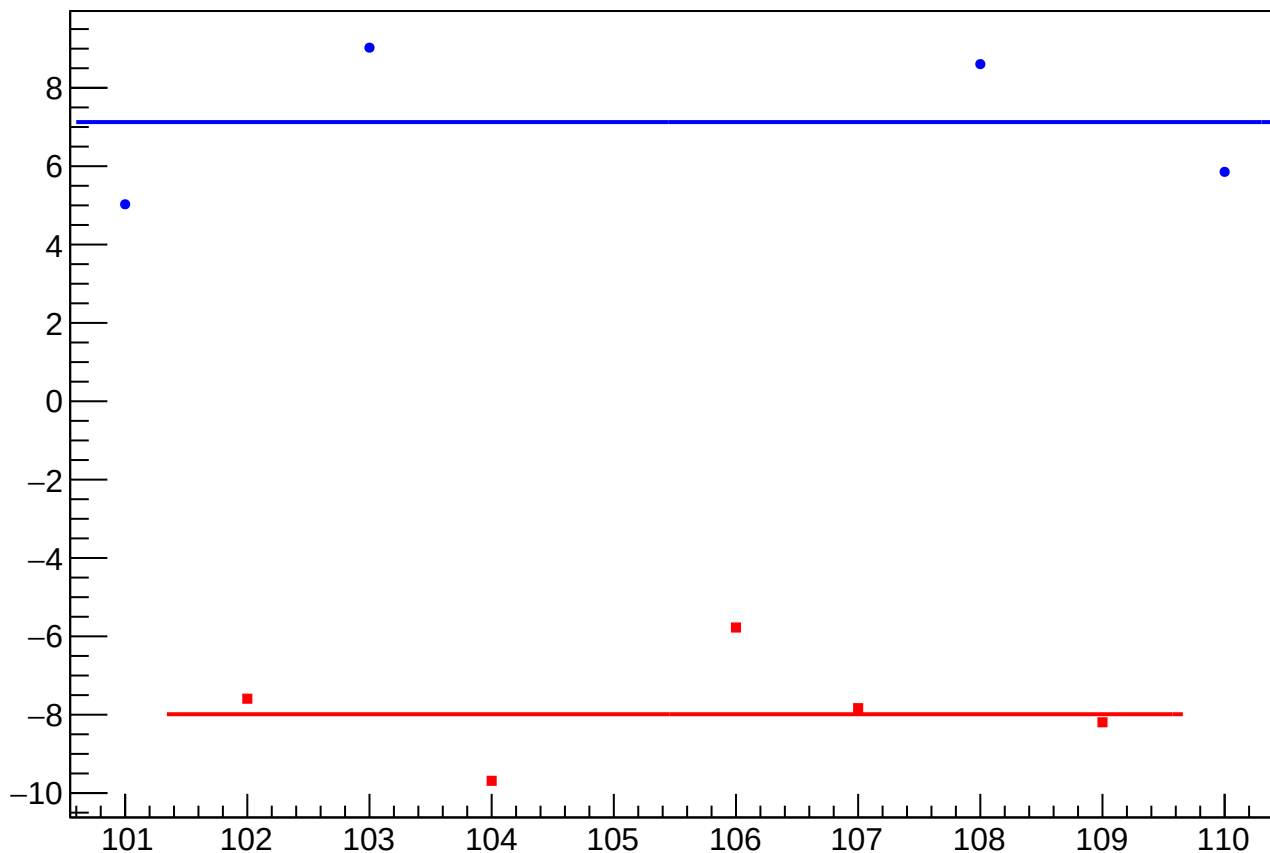
-0.603+/-0.000  $\chi^2/\text{NDF}$ : 286214484812192494

0.262+/-0.000  $\chi^2/\text{NDF}$ : 61888256193985

0.989+/-0.000  $\chi^2/\text{NDF}$ : 6966351235857624370



dit\_11X12X\_coil4\_err\_mean vs Slug, Sign Corrected



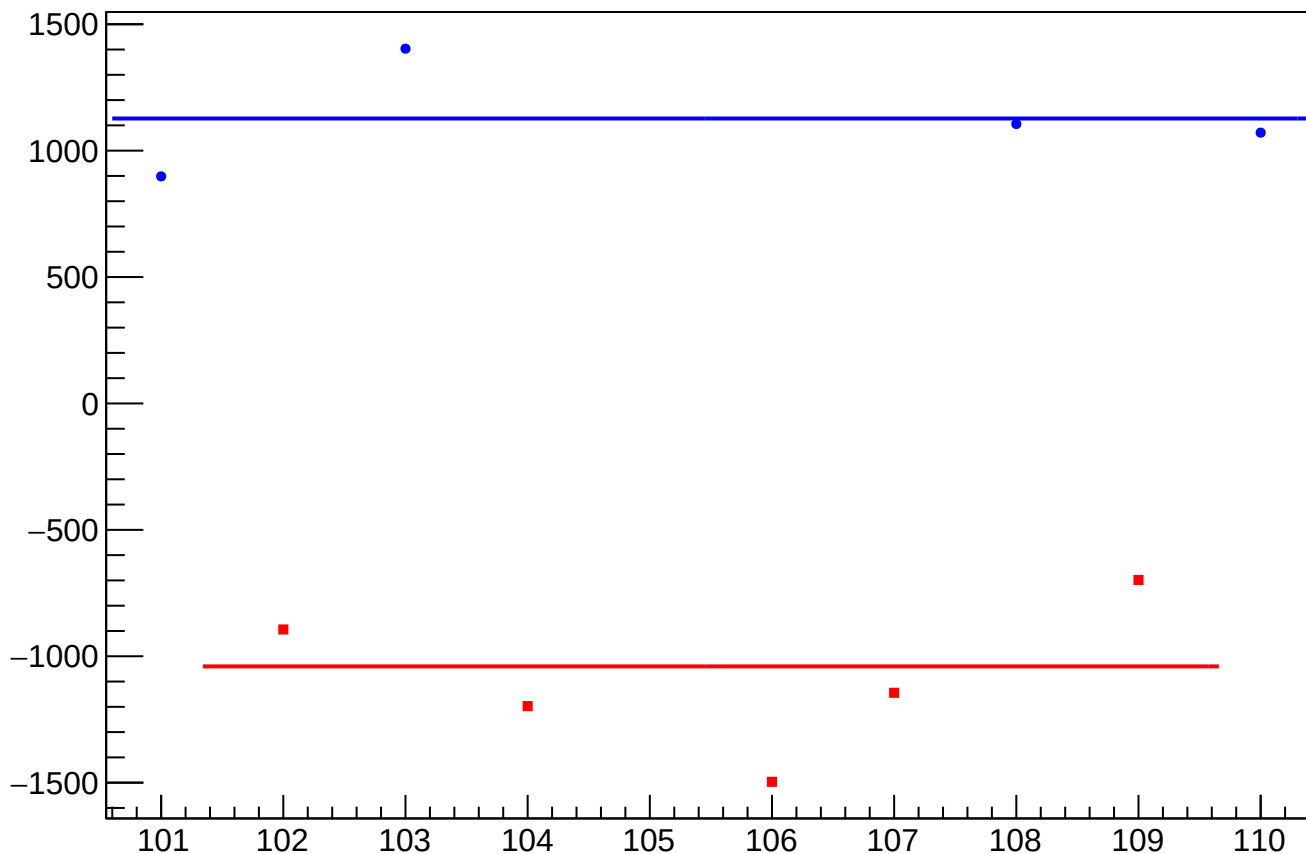
Right In: 7.126+/-0.000  $\chi^2/\text{NDF}$ : 612228792842036003316696214405120.0/3

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

Right Out: -7.988+/-0.000  $\chi^2/\text{NDF}$ : 311195961353611568954788682924032.0/4

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

dit\_11X12X\_coil4\_Ndata\_mean vs Slug, Sign Corrected



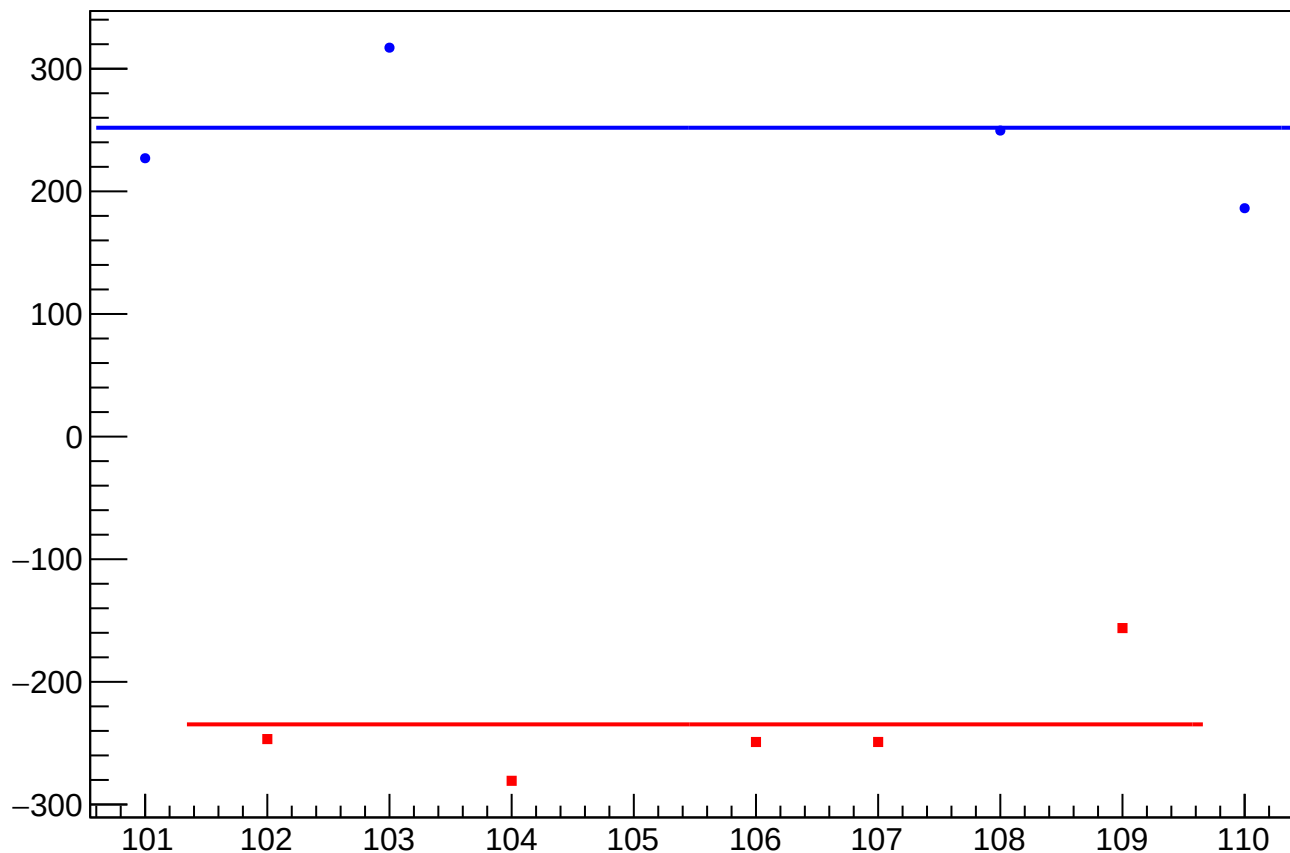
Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

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

# dit\_4aY\_coil4\_mean vs Slug, Sign Corrected



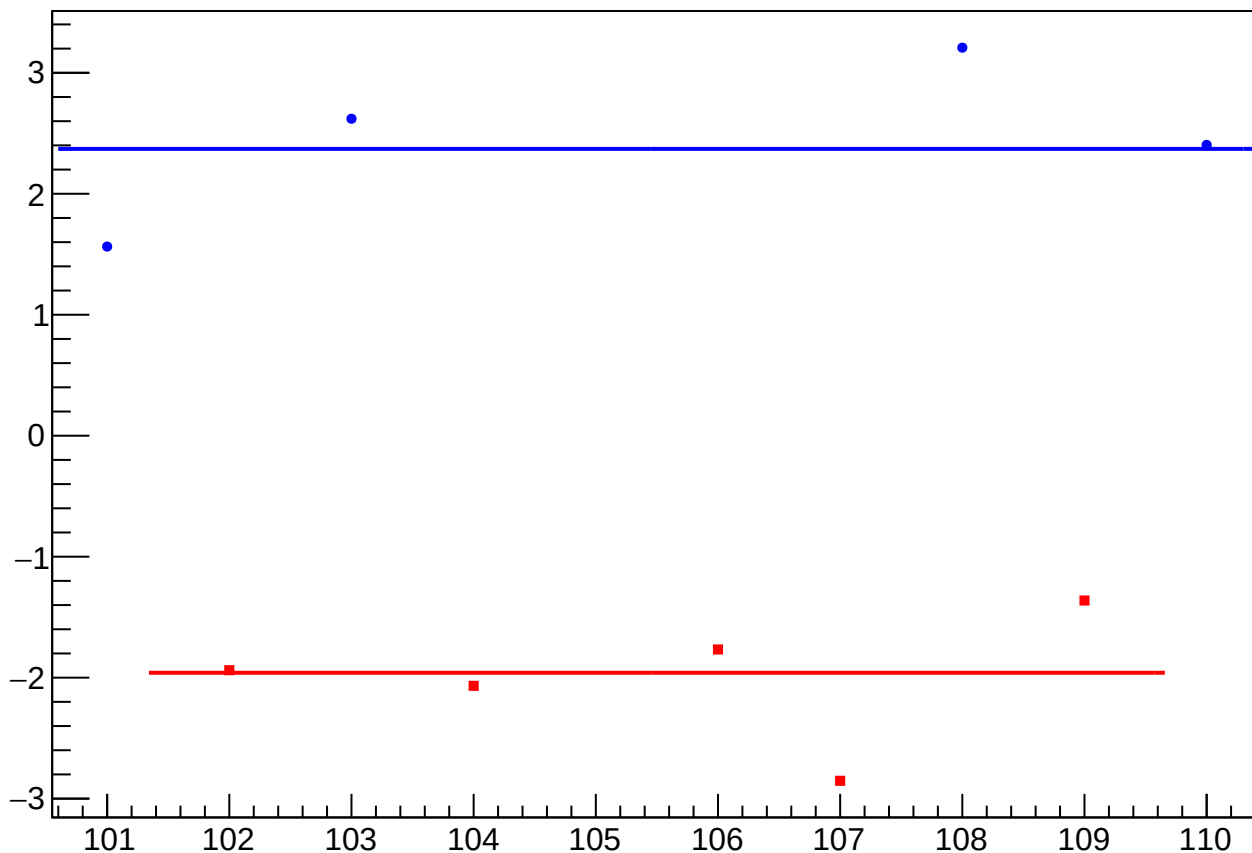
Right In: 251.886 $\pm$ 0.000  $\chi^2$ /NDF: 438930827259004769032314624579469312.0/3

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

Right Out: -234.670 $\pm$ 0.000  $\chi^2$ /NDF: 444671881595812621012528211093880832.0/4

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

dit\_4aY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 2.371+/-0.000  $\chi^2/\text{NDF}$ : 68783073651430166734110229266432.0/3

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

Right Out: -1.959+/-0.000  $\chi^2/\text{NDF}$ : 48687662309755332068414492508160.0/4

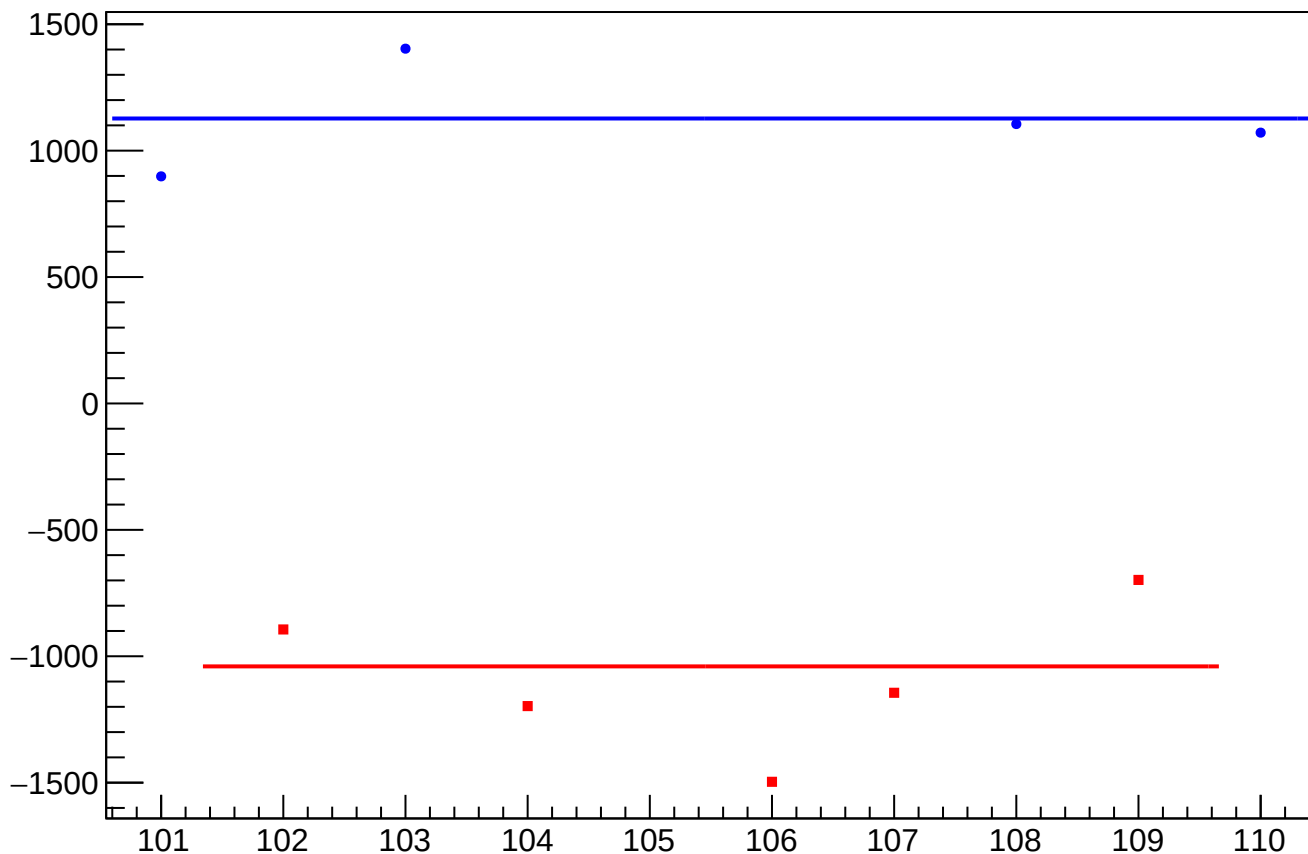
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.371+/-0.000  $\chi^2/\text{NDF}$ : 6878307365143016673

0.019+/-0.000  $\chi^2/\text{NDF}$ : 20626826468446

-1.959+/-0.000  $\chi^2/\text{NDF}$ : 486876623097553320

dit\_4aY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



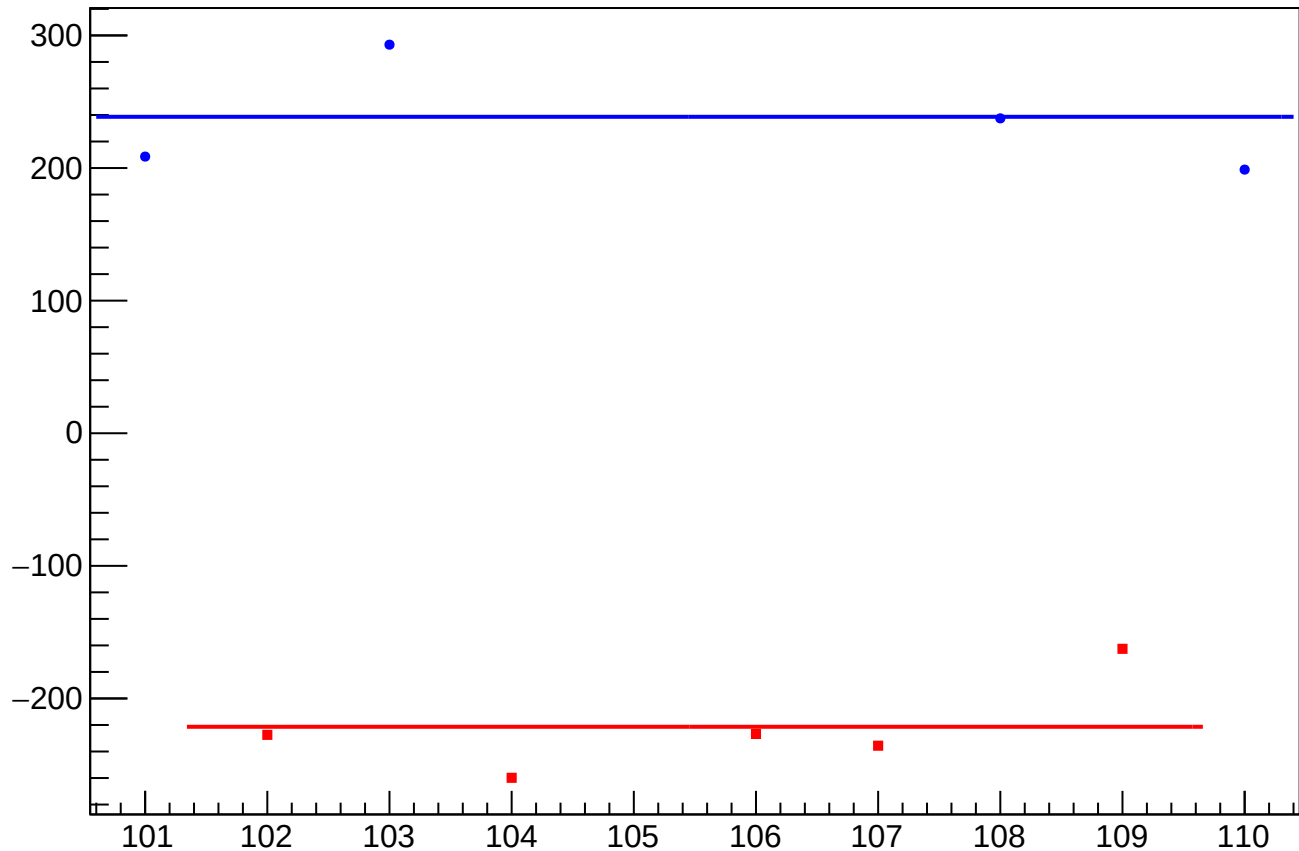
Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

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

# dit\_4eY\_coil4\_mean vs Slug, Sign Corrected



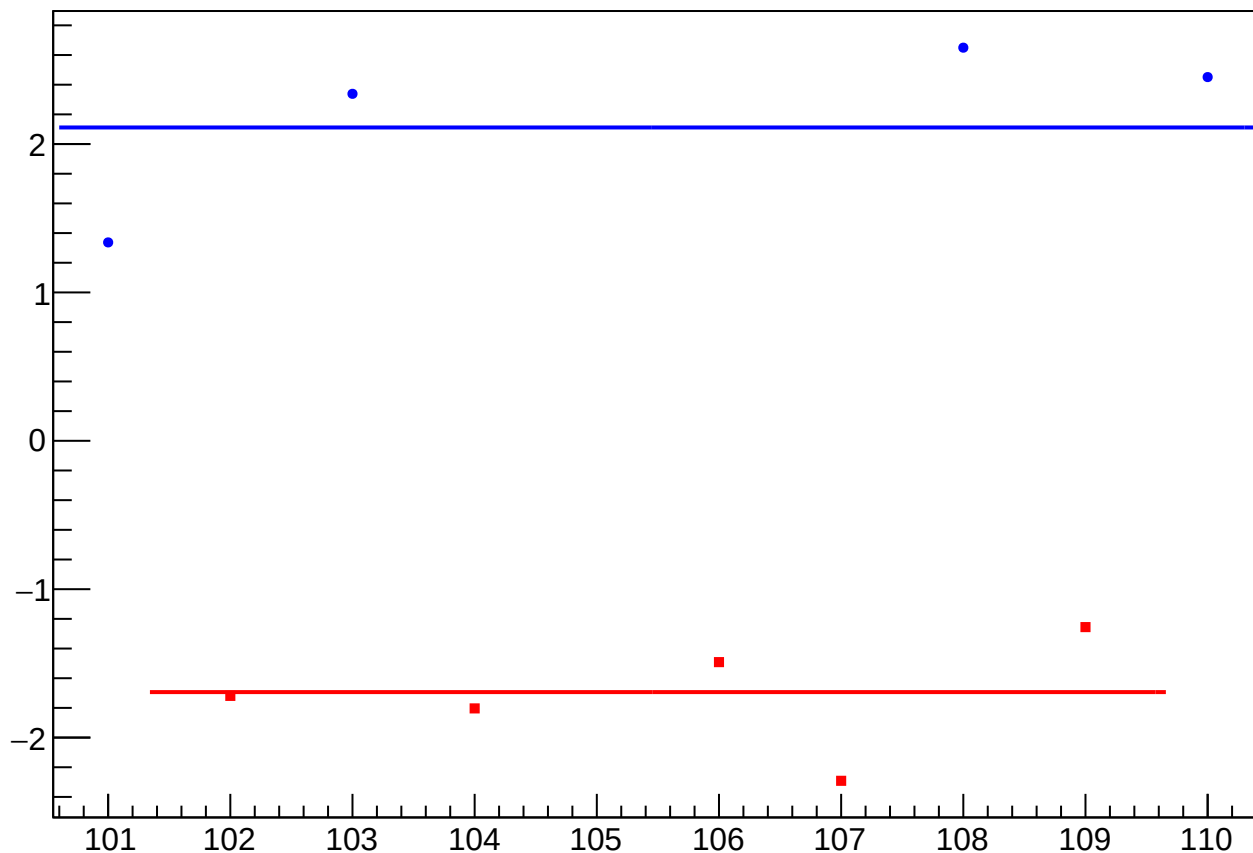
Right In: 238.641 $\pm$ 0.000  $\chi^2$ /NDF: 283221352489132163038074605232193536.0/3

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

Right Out: -221.348 $\pm$ 0.000  $\chi^2$ /NDF: 262130211668768119704062845482172416.0/4

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

dit\_4eY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 2.112+/-0.000  $\chi^2/\text{NDF}$ : 53462927486803355297224073412608.0/3

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

Right Out: -1.694+/-0.000  $\chi^2/\text{NDF}$ : 24570684817764935564411986247680.0/4

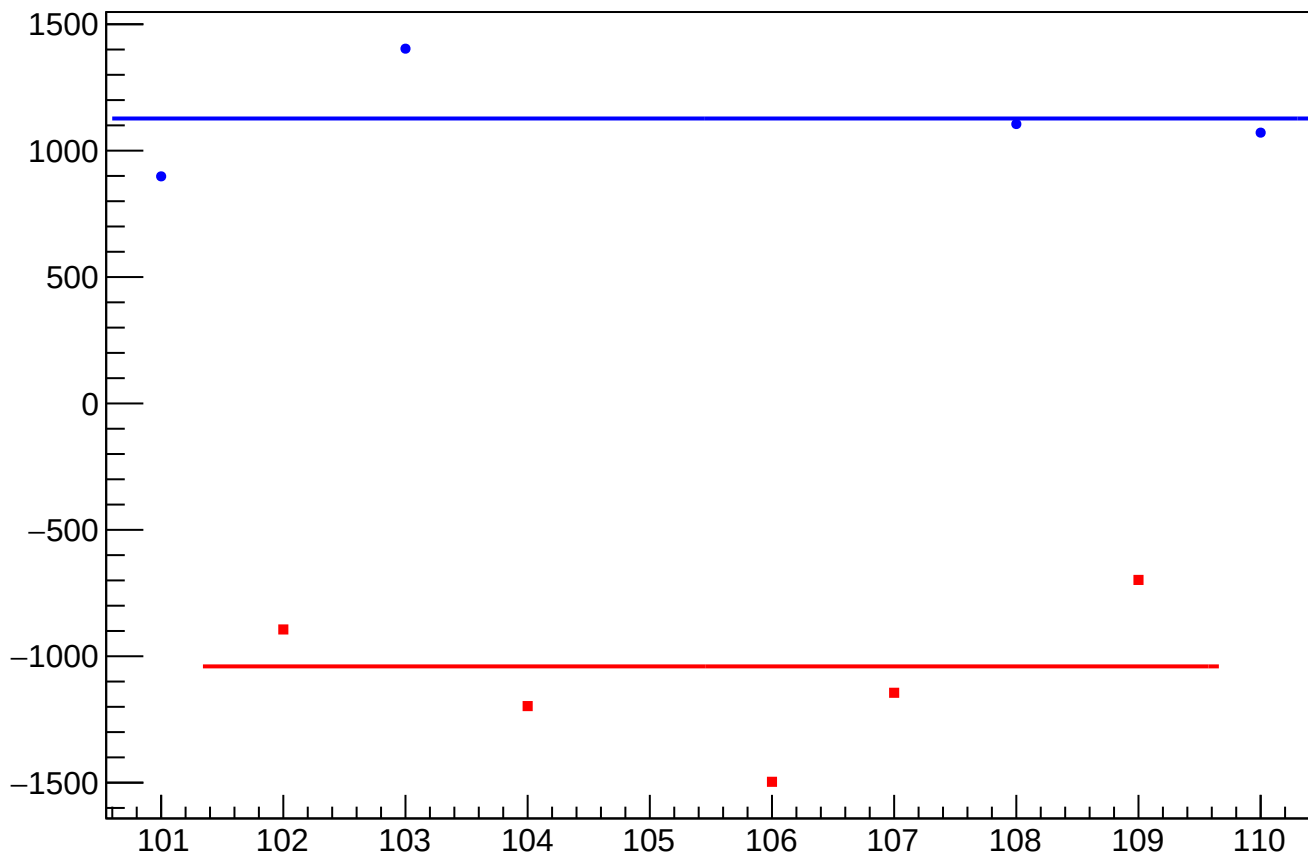
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.112+/-0.000  $\chi^2/\text{NDF}$ : 53462927486803355297224073412608.0/3

0.045+/-0.000  $\chi^2/\text{NDF}$ : 15799878189038.0/3

-1.694+/-0.000  $\chi^2/\text{NDF}$ : 24570684817764935564411986247680.0/4

dit\_4eY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

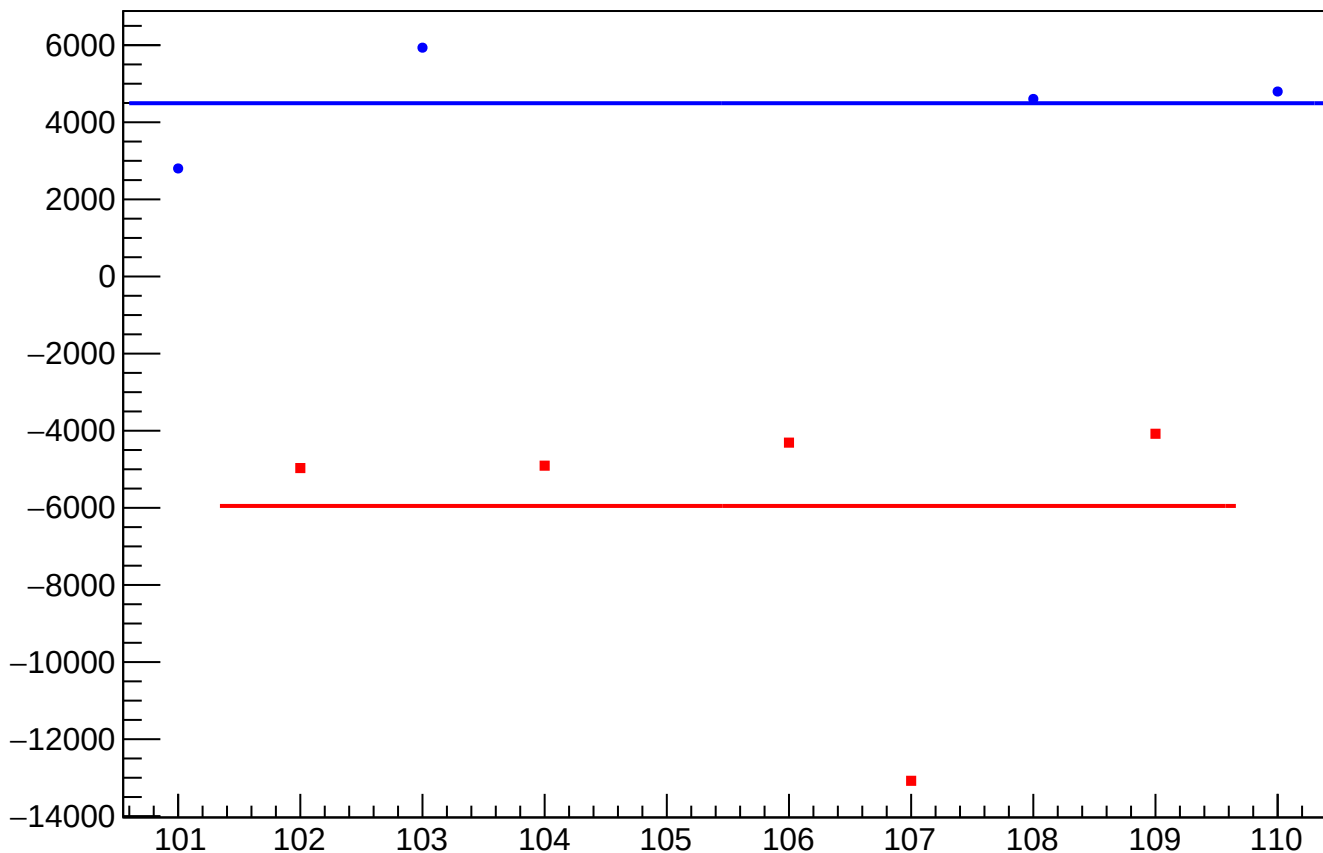
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

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



# dit\_usl\_coil4\_mean vs Slug, Sign Corrected



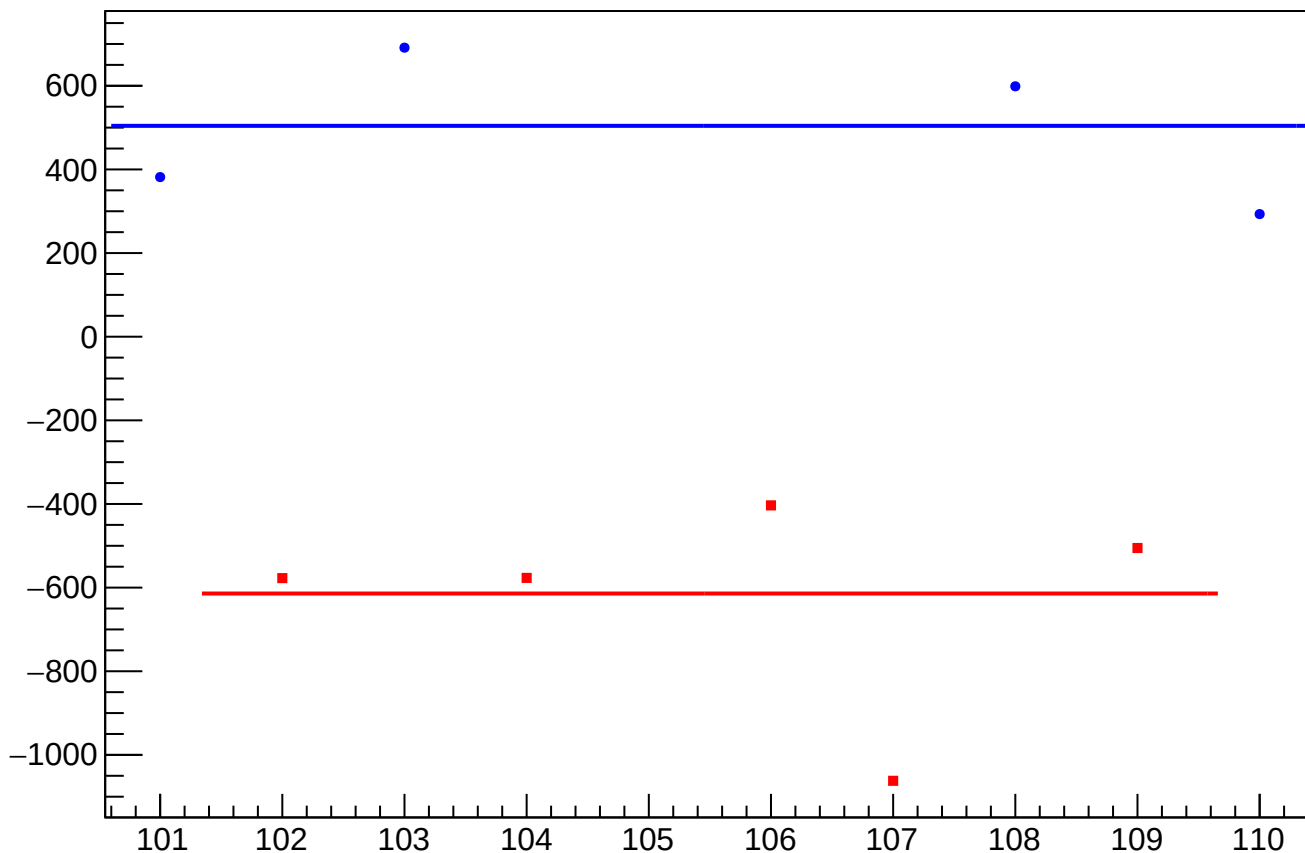
Right In: 4494.157+/-0.000  $\chi^2/\text{NDF}$ : 295055595131813504432637069593323503616.0/3

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

Right Out: -1178.049+/-0.000  $\chi^2/\text{NDF}$ : 13814135540.0/4

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

dit\_usl\_coil4\_err\_mean vs Slug, Sign Corrected



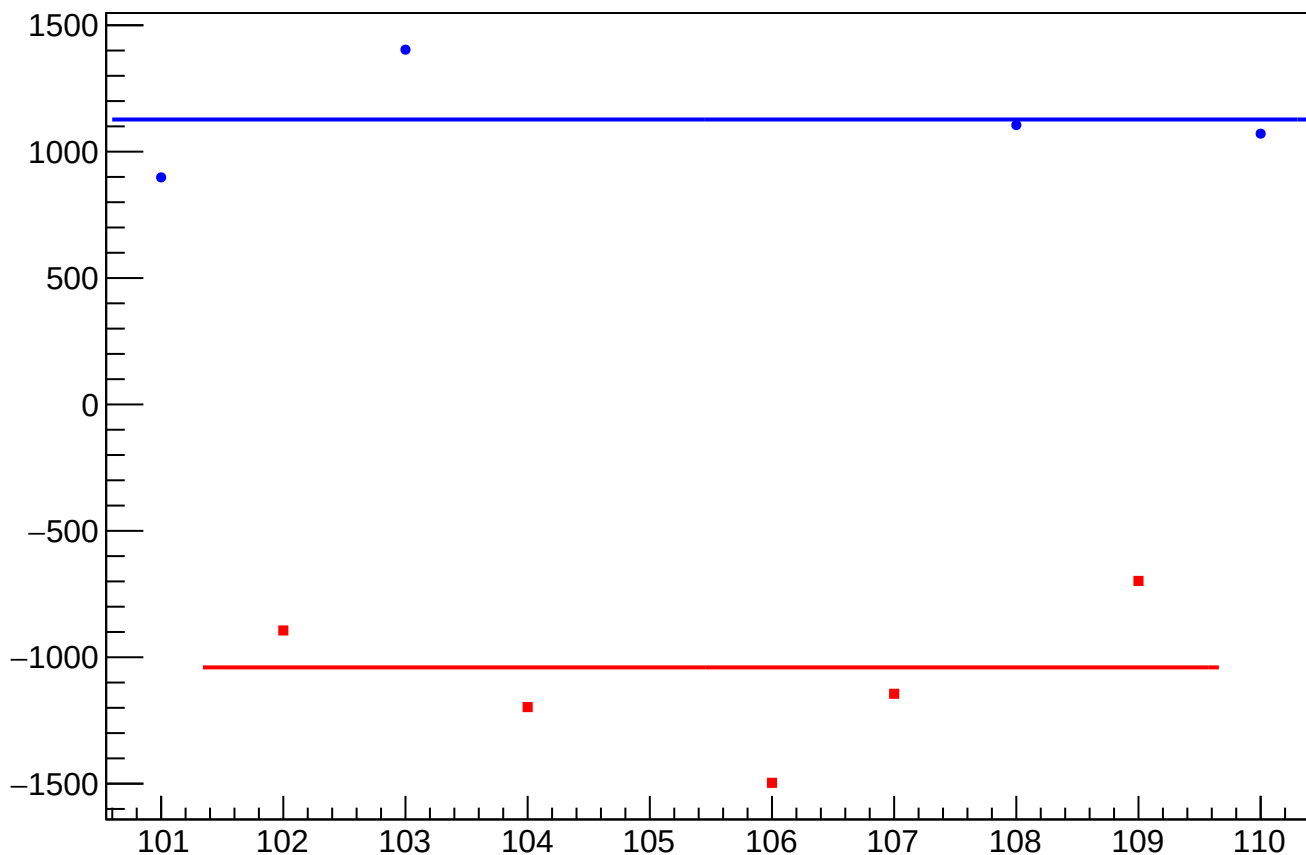
Right In: 504.261+/-0.000  $\chi^2/\text{NDF}$ : 4846174446142416931465292075774246912.0/3

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

Right Out: -614.097+/-0.000  $\chi^2/\text{NDF}$ : 9351882465772378176485482490635485184.0/4

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

dit\_usl\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

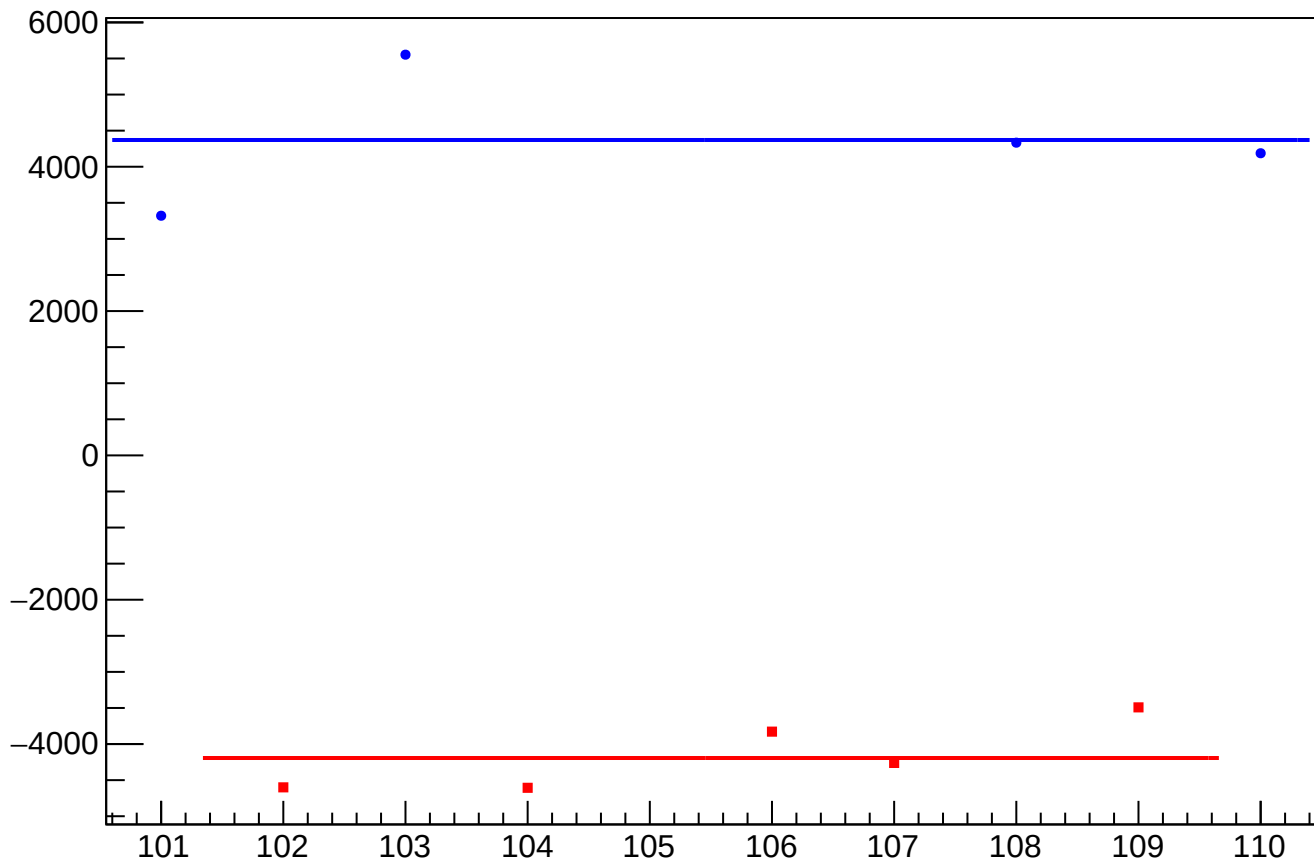
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

# dit\_usr\_coil4\_mean vs Slug, Sign Corrected



Right In: 4370.503+/-0.000  $\chi^2/\text{NDF}$ : 148694397760765492669646203529008775168.0/3

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

Right Out: -4193.225+/-0.000  $\chi^2/\text{NDF}$ : 47700003515135598299862640642708471808.0/4

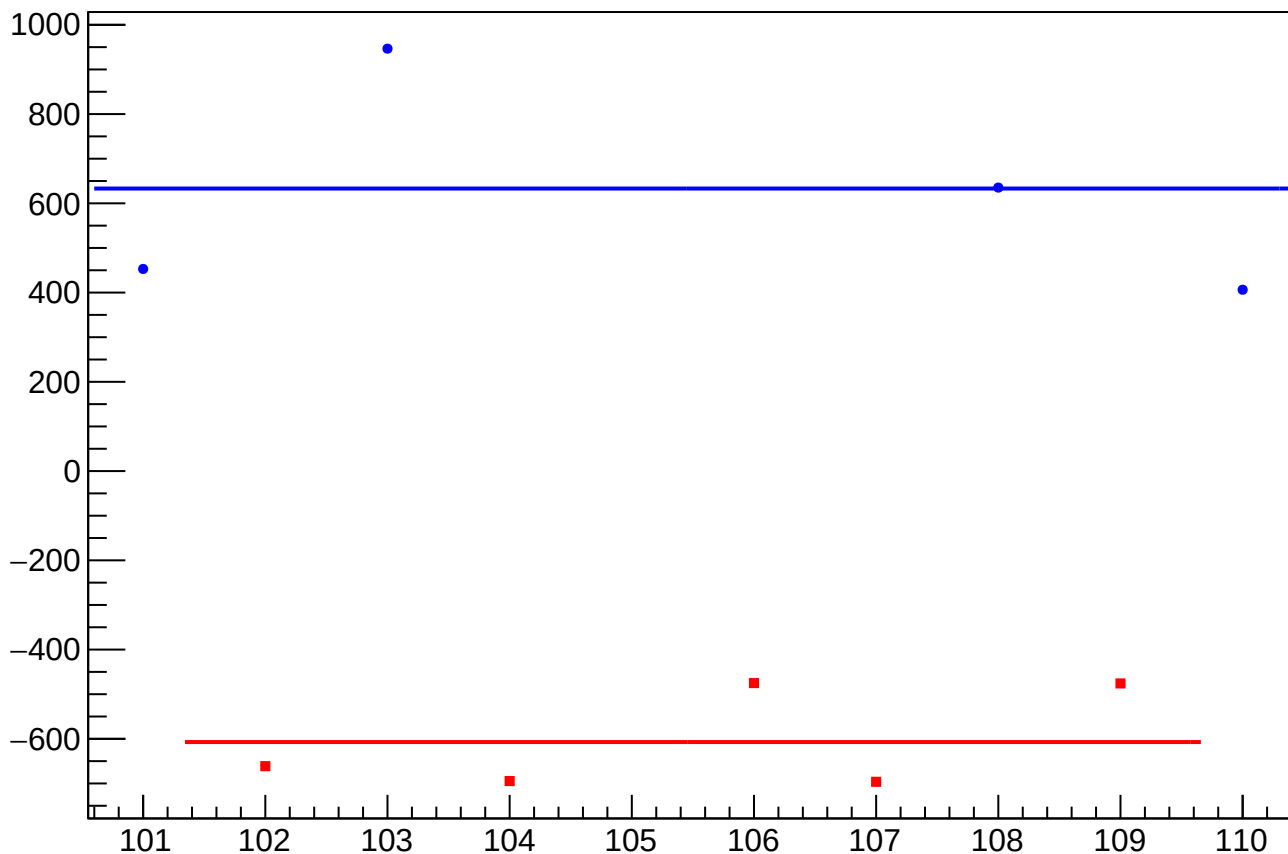
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4370.503+/-0.000  $\chi^2/\text{NDF}$ : 1486943977607654

-280.134+/-0.000  $\chi^2/\text{NDF}$ : 78033114406

-4193.225+/-0.000  $\chi^2/\text{NDF}$ : 477000035151355

dit\_usr\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 633.164 $\pm$ 0.000  $\chi^2$ /NDF: 9511717863154870789550877291371823104.0/3

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

Right Out: -607.240 $\pm$ 0.000  $\chi^2$ /NDF: 2265556768954417832670632073674883072.0/4

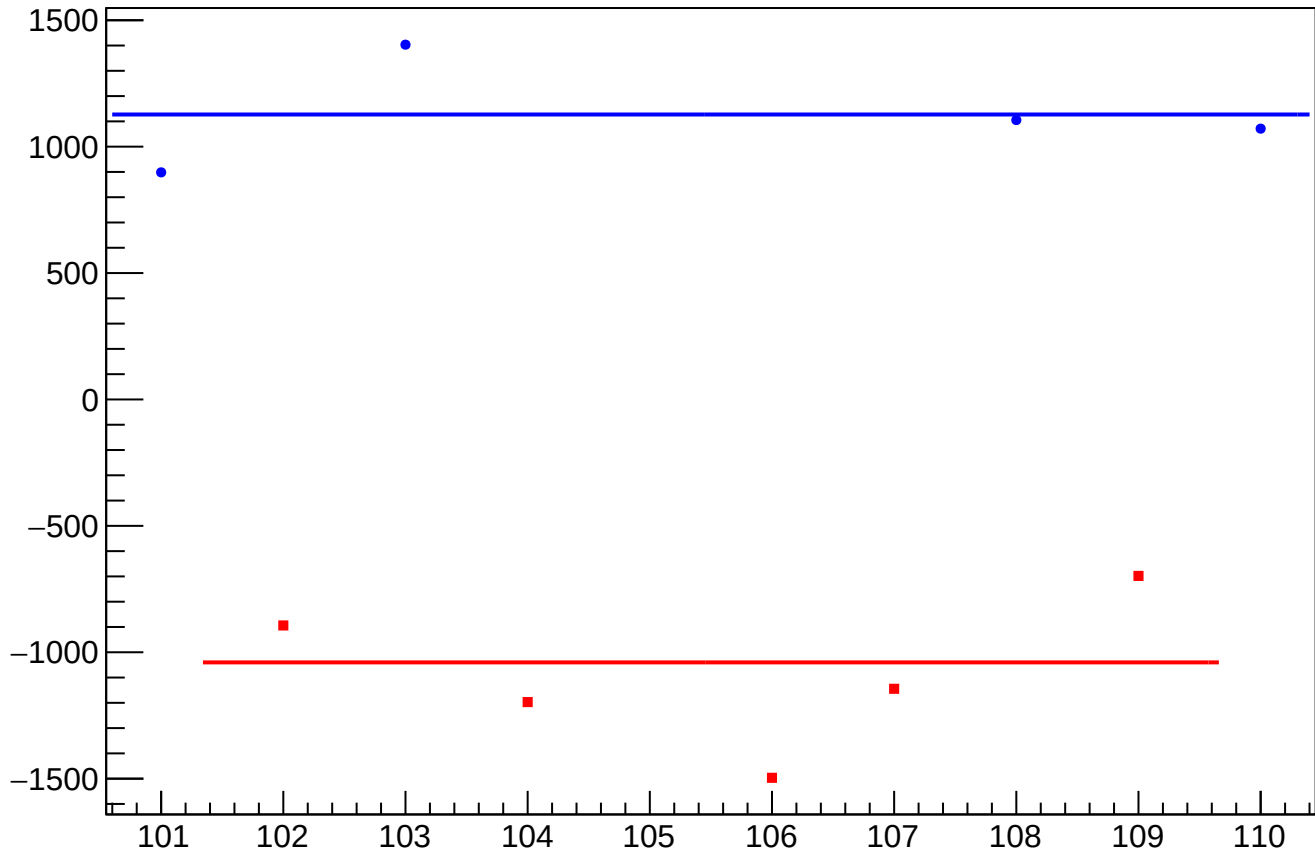
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

633.164 $\pm$ 0.000  $\chi^2$ /NDF: 9511717863154870789550877291371823104.0/3

-40.453 $\pm$ 0.000  $\chi^2$ /NDF: 1713685779794.0/3

-607.240 $\pm$ 0.000  $\chi^2$ /NDF: 2265556768954417832670632073674883072.0/4

dit\_usr\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

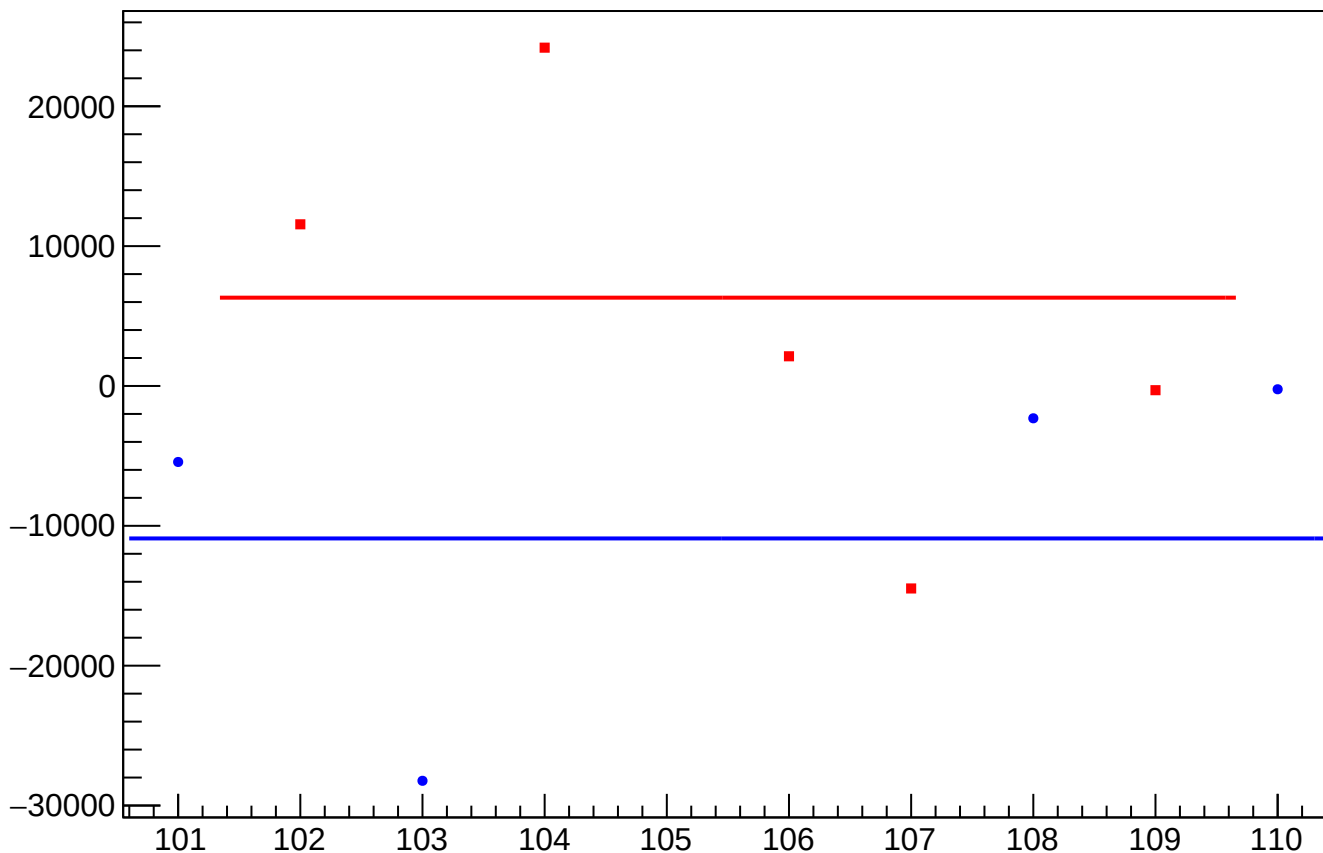
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

# dit\_atl1\_coil4\_mean vs Slug, Sign Corrected



Right In: -10902.394+/-0.000  $\chi^2/\text{NDF}$ : 26270137299218230529393348459578865483776.0/3

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

Right Out: 6314.104+/-0.000  $\chi^2/\text{NDF}$ : 36234431902944355246116782237114936852480.0/4

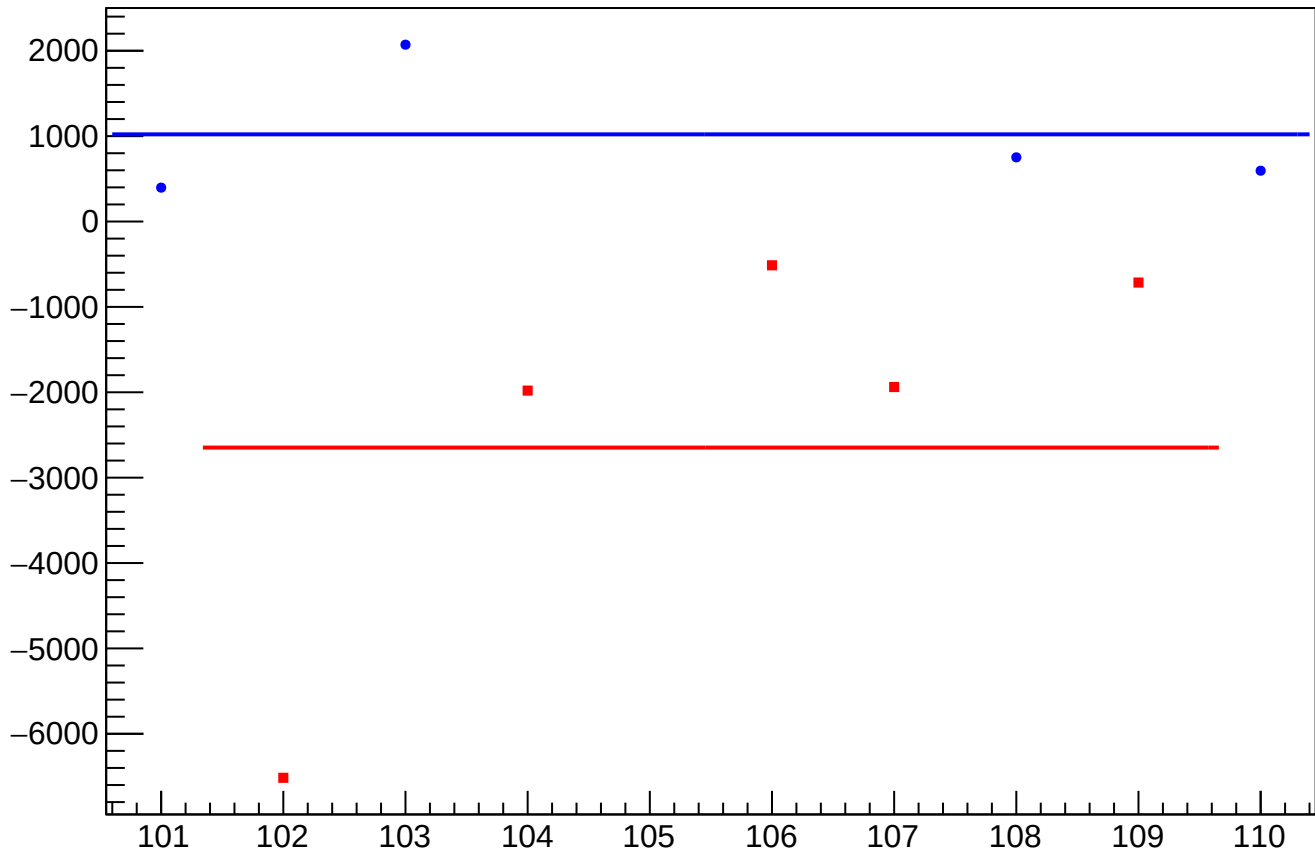
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-10902.394+/-0.000  $\chi^2/\text{NDF}$ : 26270137299218

-1552.765+/-0.000  $\chi^2/\text{NDF}$ : 93249435229

6314.104+/-0.000  $\chi^2/\text{NDF}$ : 3623443190294435

dit\_atl1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1021.051+/-0.000  $\chi^2/\text{NDF}$ : 97172816170626533963602599713043382272.0/3

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

1021.051+/-0.000  $\chi^2/\text{NDF}$ : 97172816170626533963602599713043382272.0/3

-971.335+/-0.000  $\chi^2/\text{NDF}$ : 27335972039.0/4

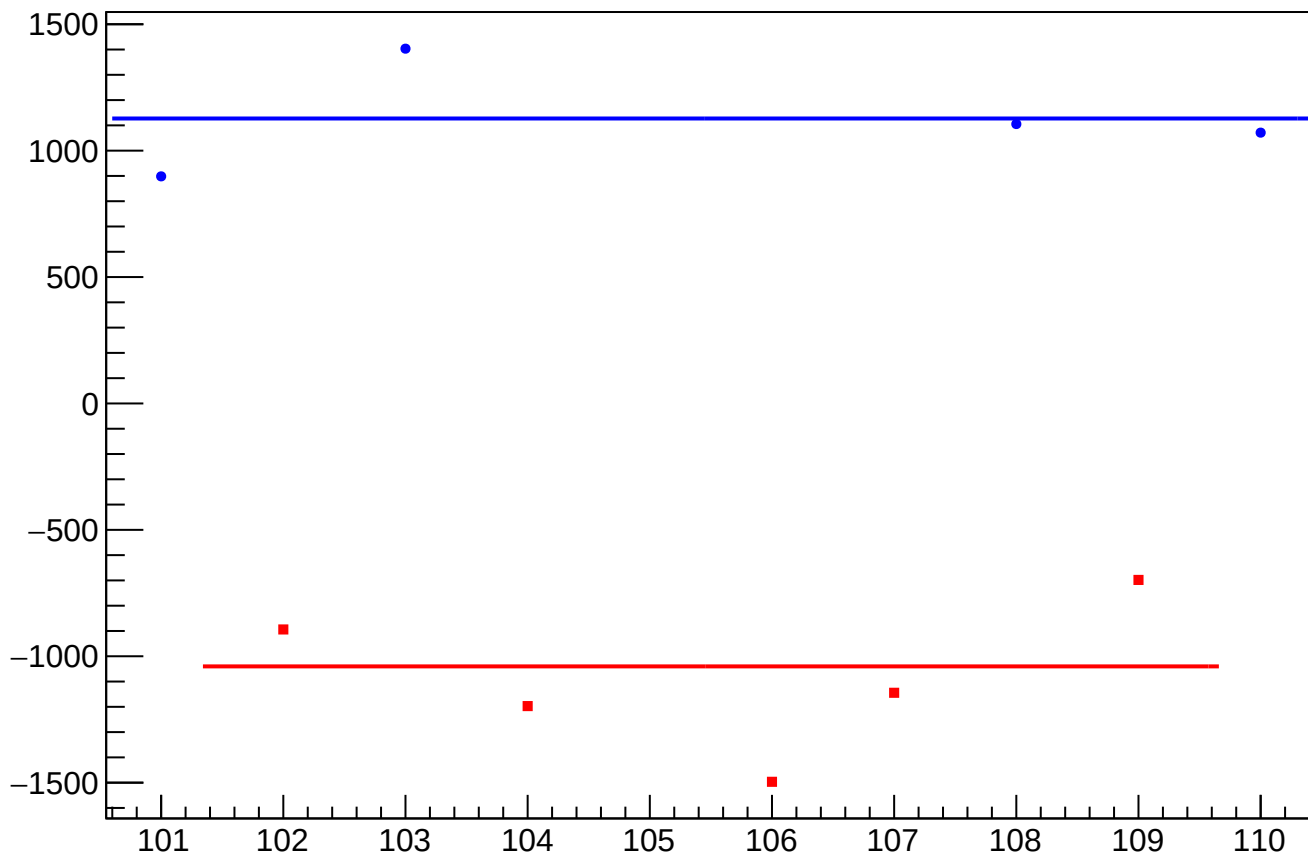
Right Out: -2647.749+/-0.000  $\chi^2/\text{NDF}$ : 1240277661667374771077376307881400336384.0/4

-2647.749+/-0.000  $\chi^2/\text{NDF}$ : 1240277661667374771077376307881400336384.0/4

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



dit\_atl1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

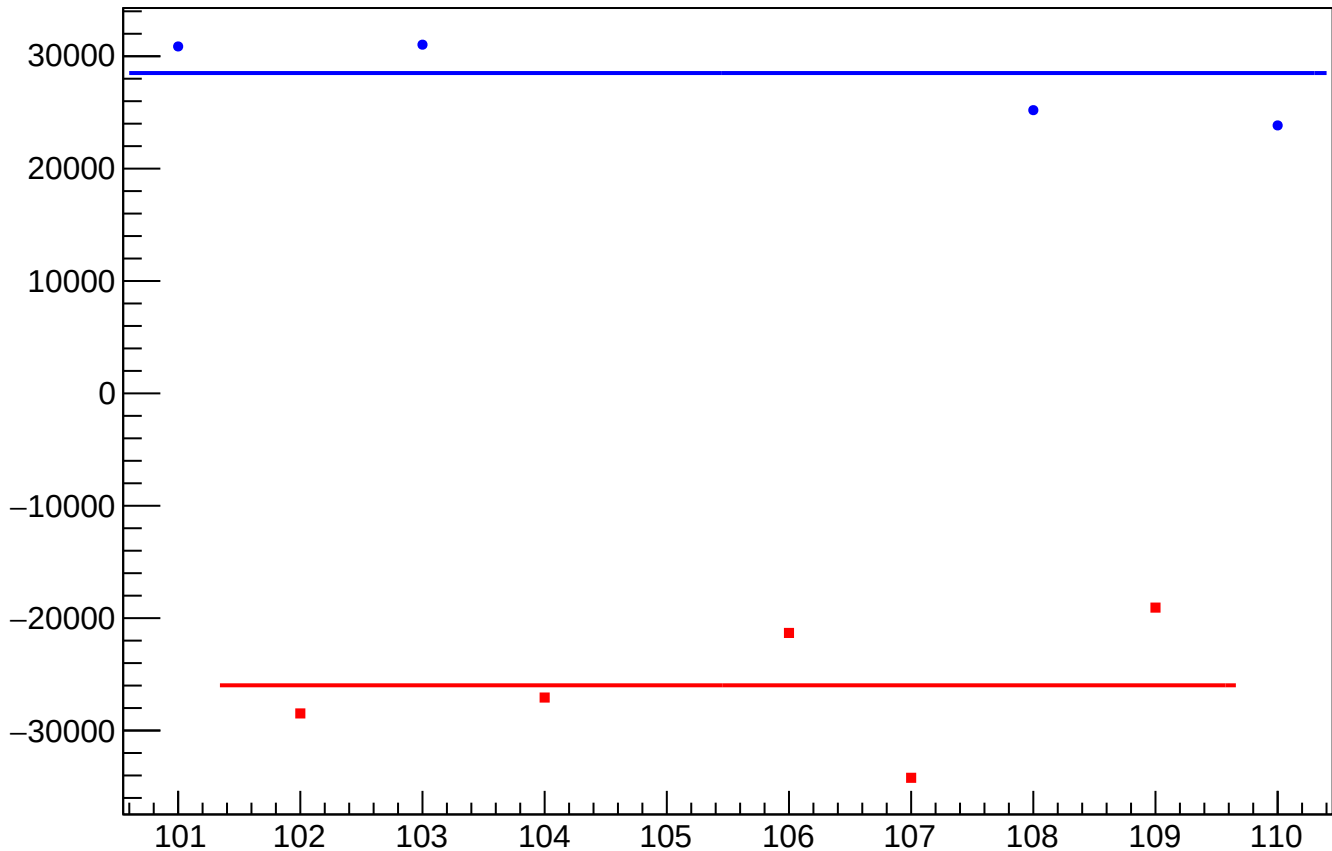
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

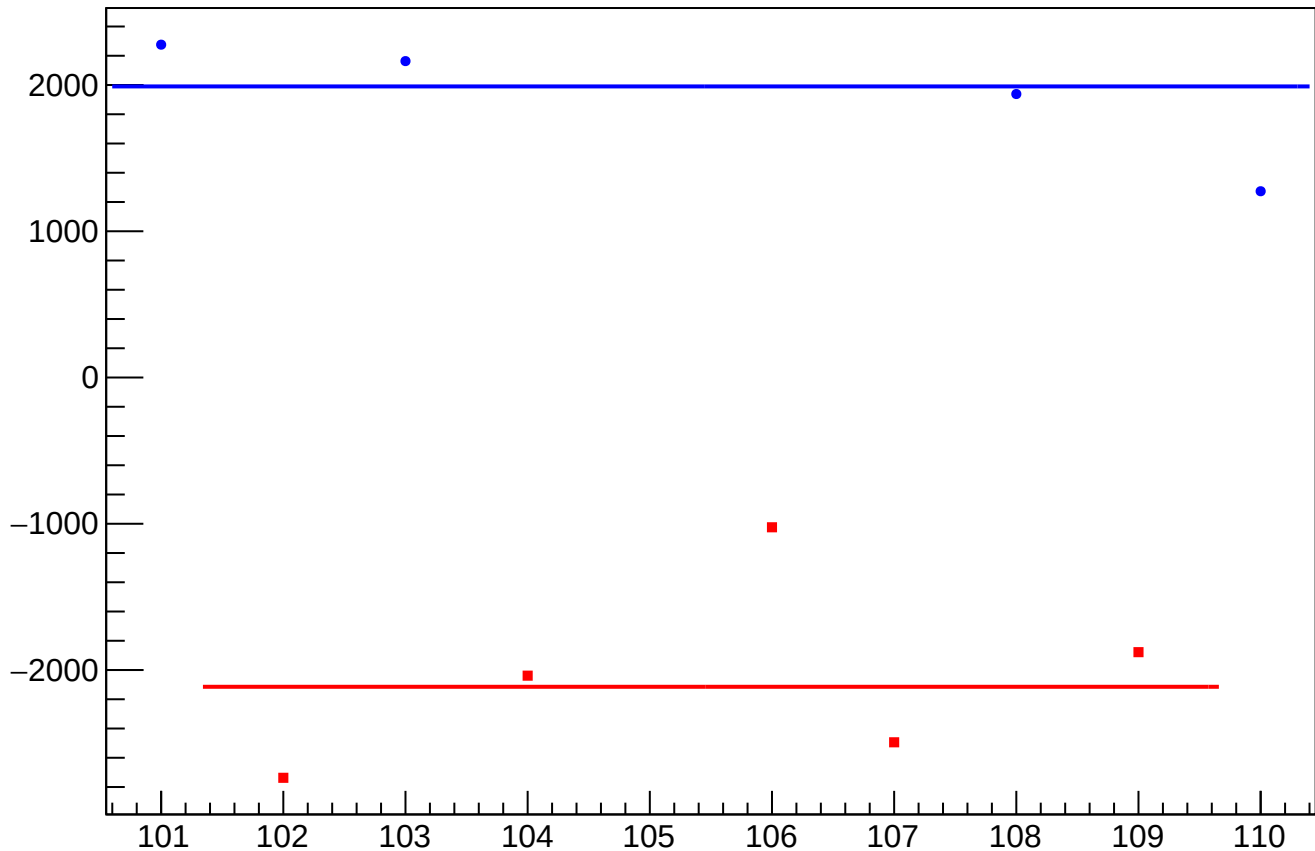
-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

# dit\_atl2\_coil4\_mean vs Slug, Sign Corrected



Right In: 28504.859+/-0.000  $\chi^2/\text{NDF}$ : 1880861585283438667848936658589582360576.0/3  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -25976.500+/-0.000  $\chi^2/\text{NDF}$ : 5973238914399764209800024886327172399104.0/4  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1990.310+/-0.000  $\chi^2/\text{NDF}$ : 24655016869234349688665054721800667136.0/3

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

Right Out: -2114.650+/-0.000  $\chi^2/\text{NDF}$ : 67670312716880525936894714728444592128.0/4

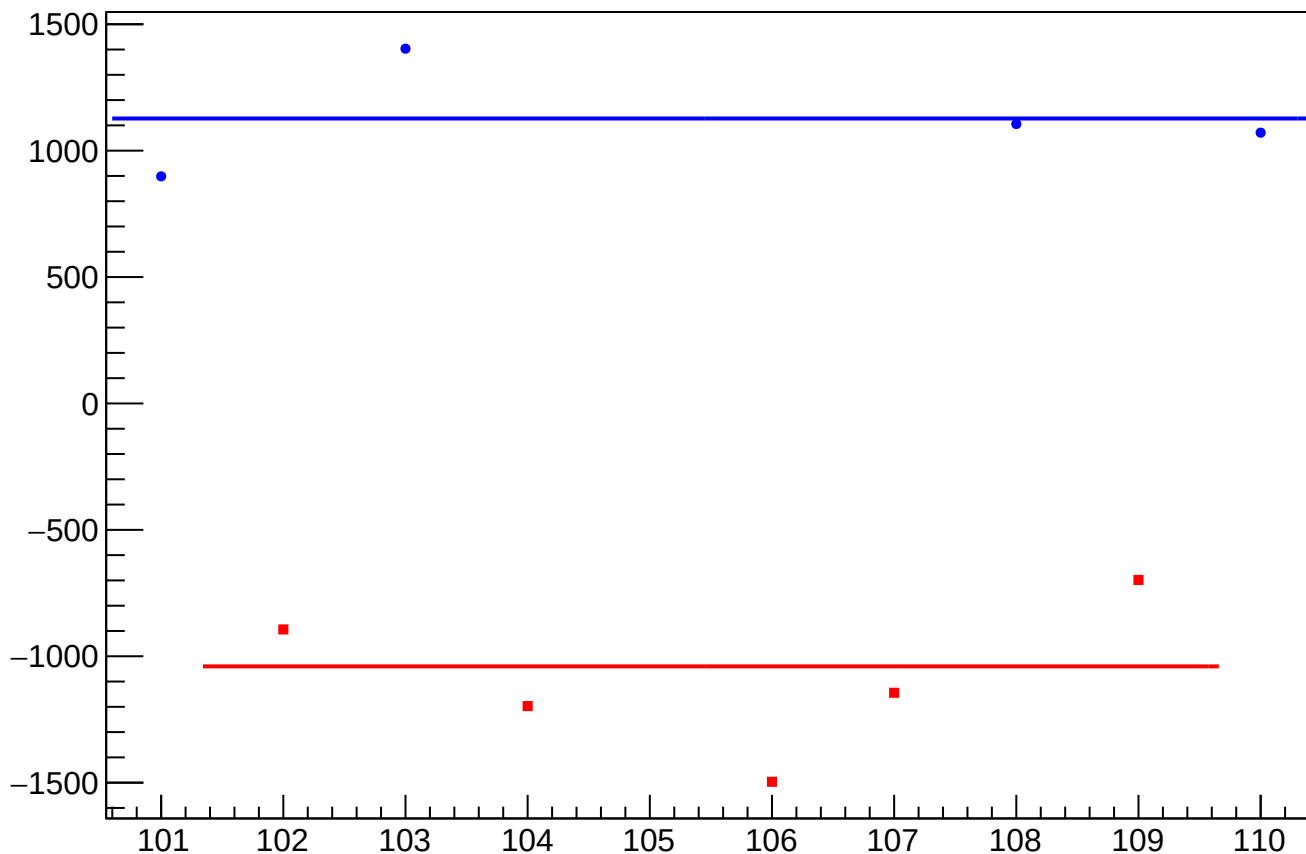
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1990.310+/-0.000  $\chi^2/\text{NDF}$ : 2465501686923434

-238.939+/-0.000  $\chi^2/\text{NDF}$ : 18401613794

-2114.650+/-0.000  $\chi^2/\text{NDF}$ : 676703127168805

dit\_atl2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

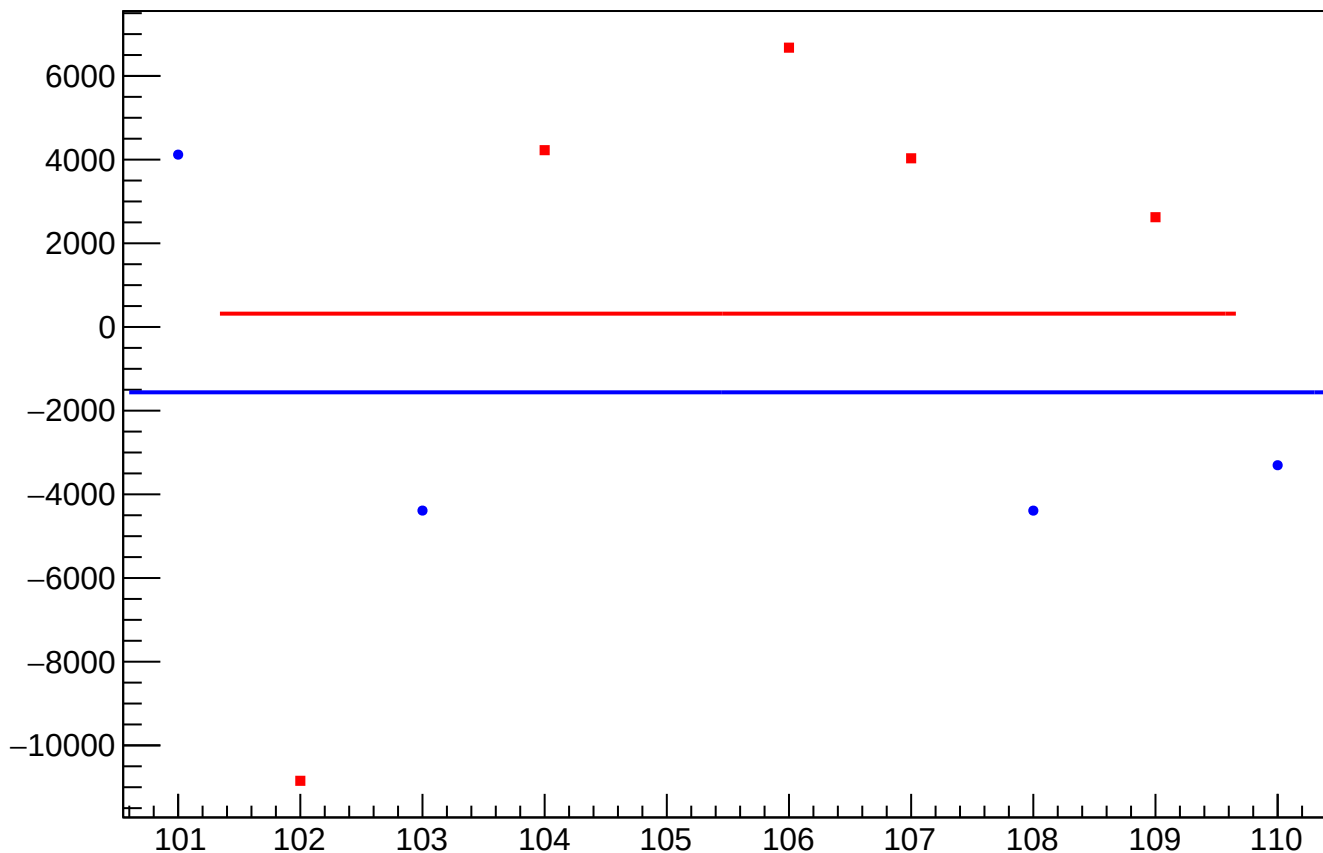
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

# dit\_atr1\_coil4\_mean vs Slug, Sign Corrected



Right In: -1561.692+/-0.000  $\chi^2/\text{NDF}$ : 2785617507275481726196879183031090282496.0/3

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

Right Out: 318.596+/-0.000  $\chi^2/\text{NDF}$ : 10029073436034317782771402392164410327040.0/4

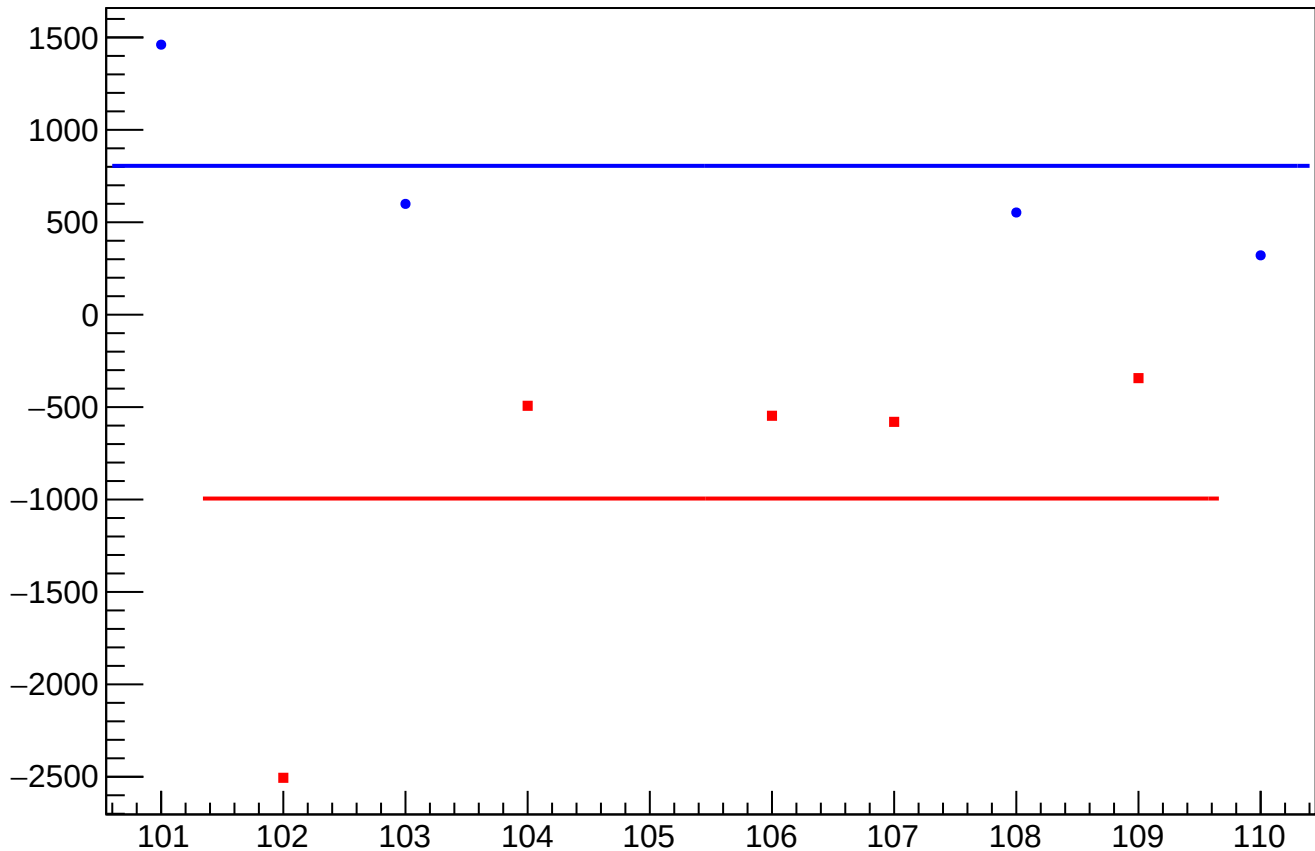
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1561.692+/-0.000  $\chi^2/\text{NDF}$ : 278561750727548

-540.578+/-0.000  $\chi^2/\text{NDF}$ : 13181408590

318.596+/-0.000  $\chi^2/\text{NDF}$ : 10029073436034317

dit\_atr1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 805.240+/-0.000  $\chi^2/\text{NDF}$ : 38479911793541496542971256605545332736.0/3

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

805.240+/-0.000  $\chi^2/\text{NDF}$ : 38479911793541496542971256605545332736.0/3

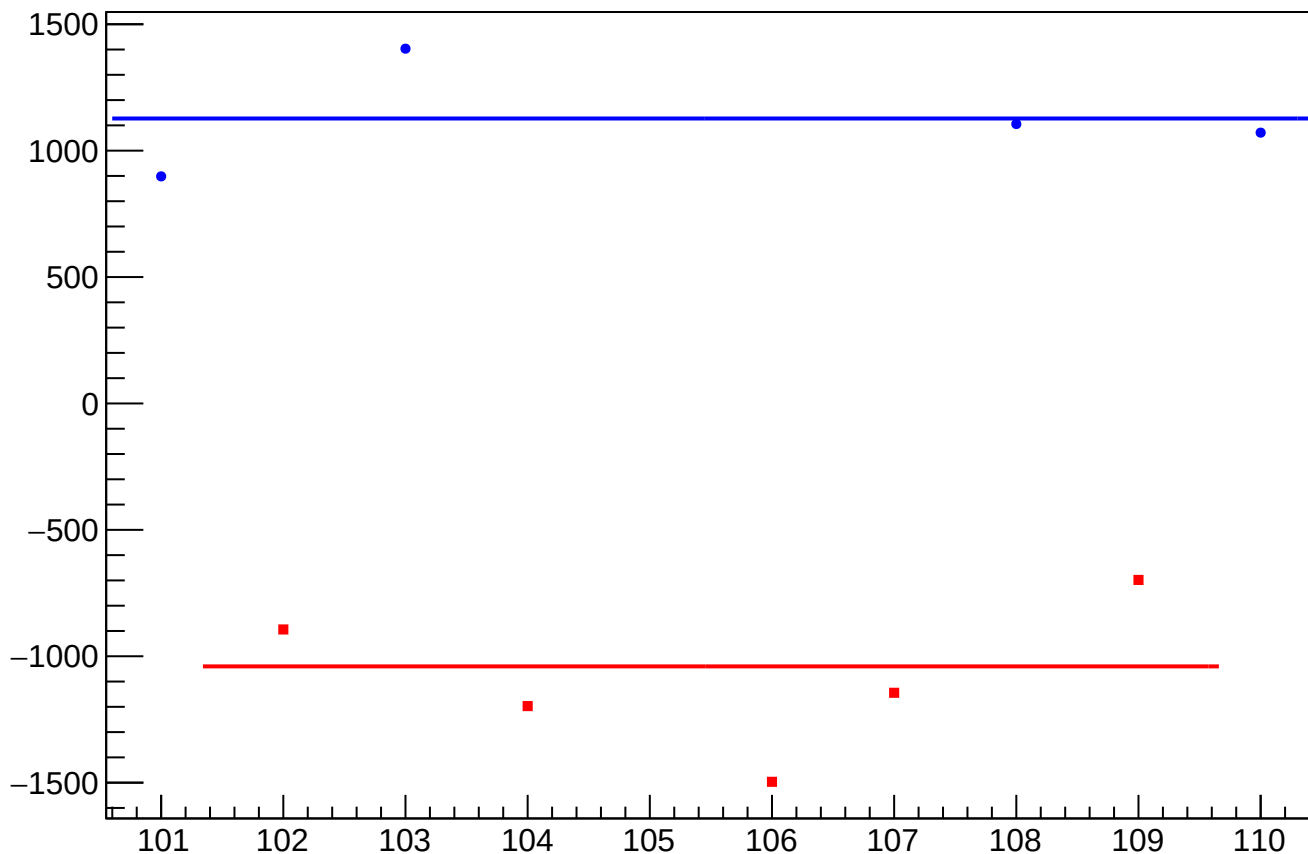
-172.212+/-0.000  $\chi^2/\text{NDF}$ : 55379131292.0/4

Right Out: -994.650+/-0.000  $\chi^2/\text{NDF}$ : 179283951705399906117002610326605135872.0/4

-994.650+/-0.000  $\chi^2/\text{NDF}$ : 179283951705399906117002610326605135872.0/4

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

dit\_atr1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

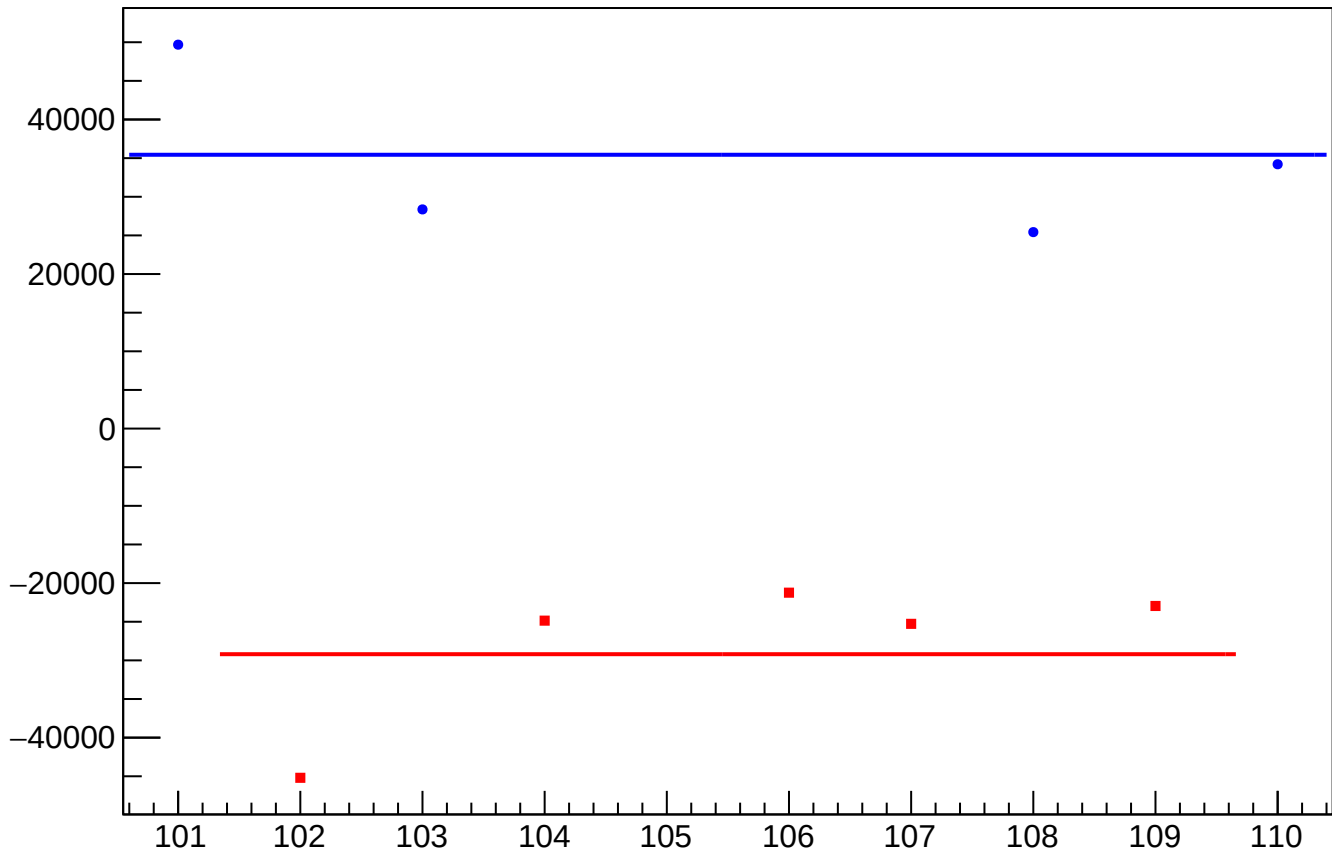
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

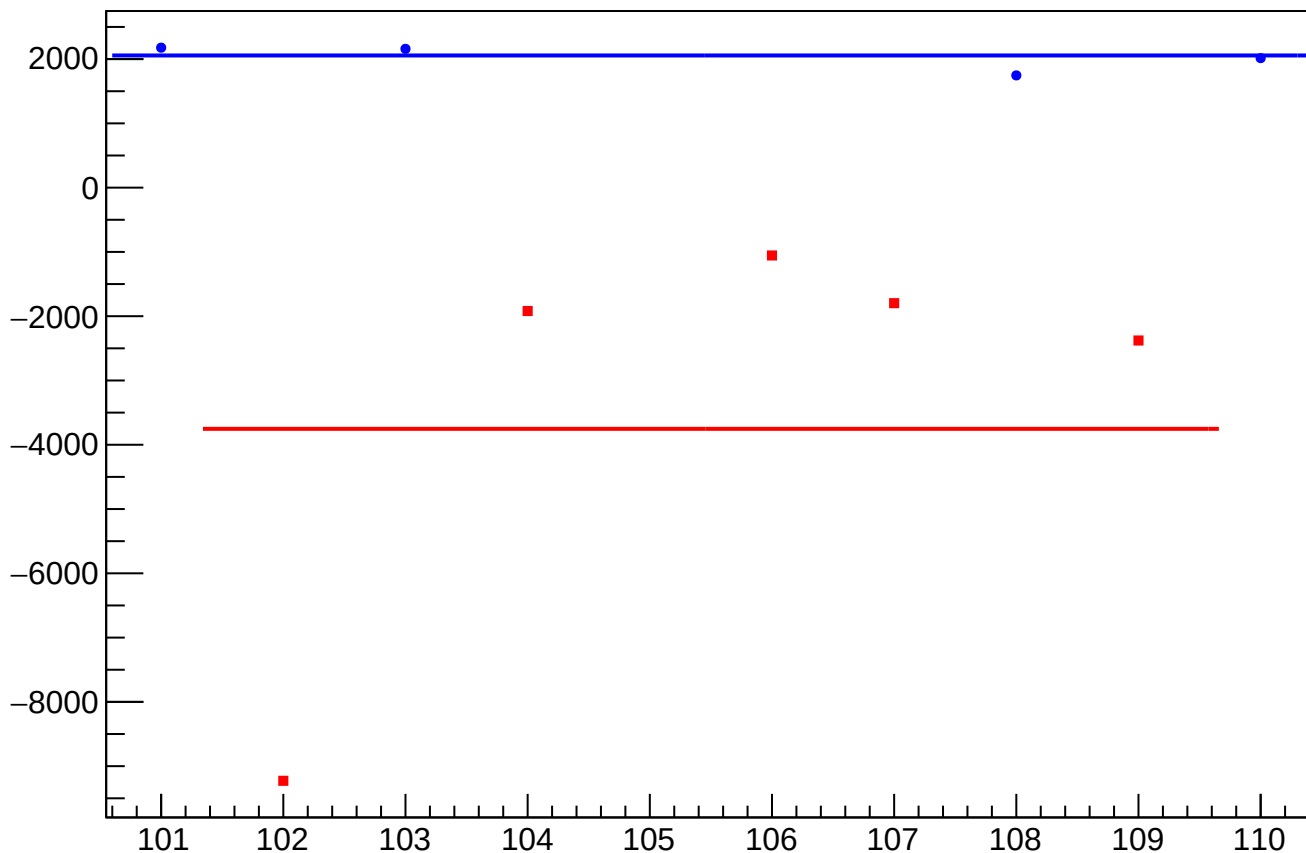
# dit\_atr2\_coil4\_mean vs Slug, Sign Corrected



Right In: 35436.518+/-0.000  $\chi^2/\text{NDF}$ : 18789437558884727625444468032646449987584.0/3  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -29199.508+/-0.000  $\chi^2/\text{NDF}$ : 20310675323473355841651947953576218722304.0/4  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_atr2\_coil4\_err\_mean vs Slug, Sign Corrected



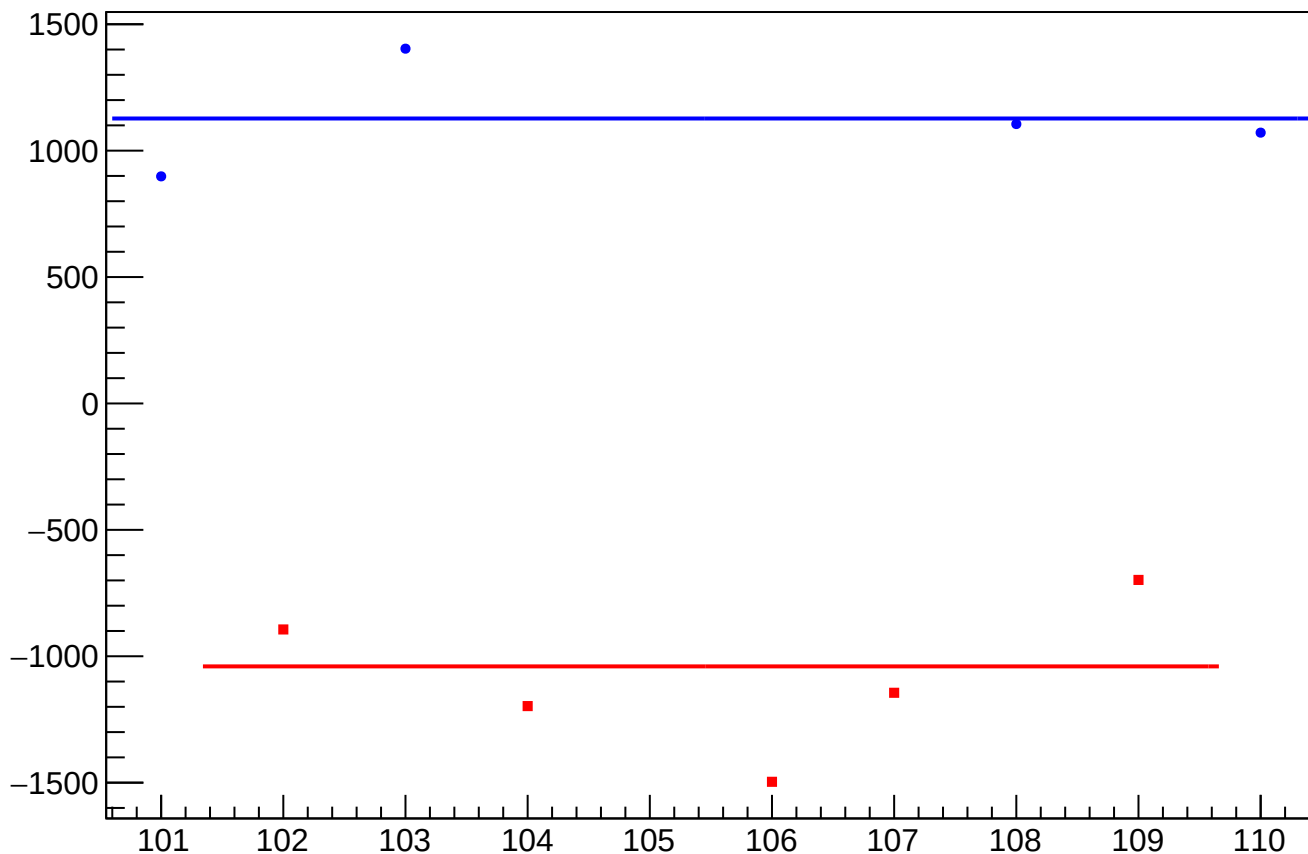
Right In: 2056.222+/-0.000  $\chi^2/\text{NDF}$ : 5208414886170708573911340981384380416.0/3

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

Right Out: -3752.426+/-0.000  $\chi^2/\text{NDF}$ : 2369582206210044683787869174601709780992.0/4

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

dit\_atr2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



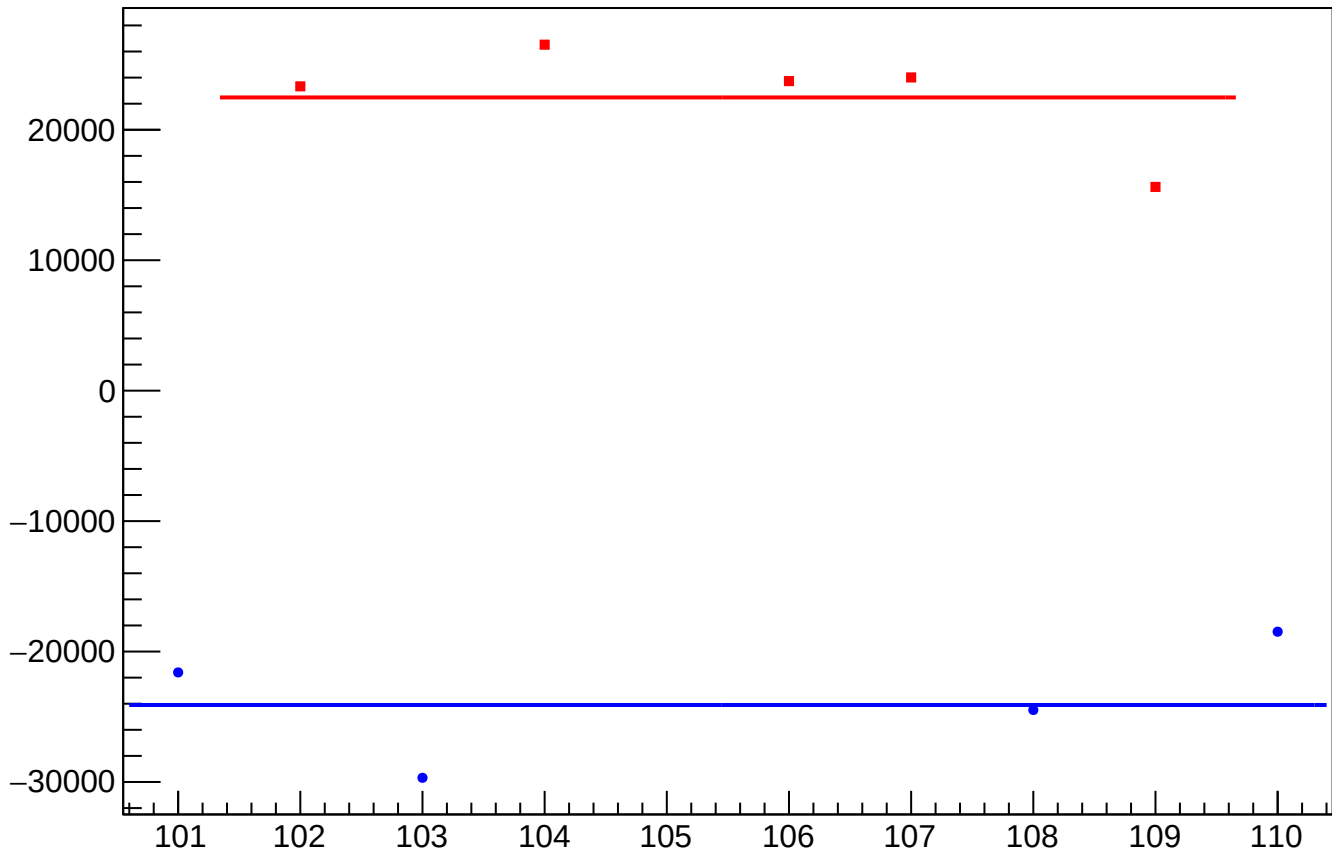
Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

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

dit\_sam1\_coil4\_mean vs Slug, Sign Corrected



Right In: -24096.645+/-0.000  $\chi^2/\text{NDF}$ : 3316112663241993302710104798788860248064.0/3

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

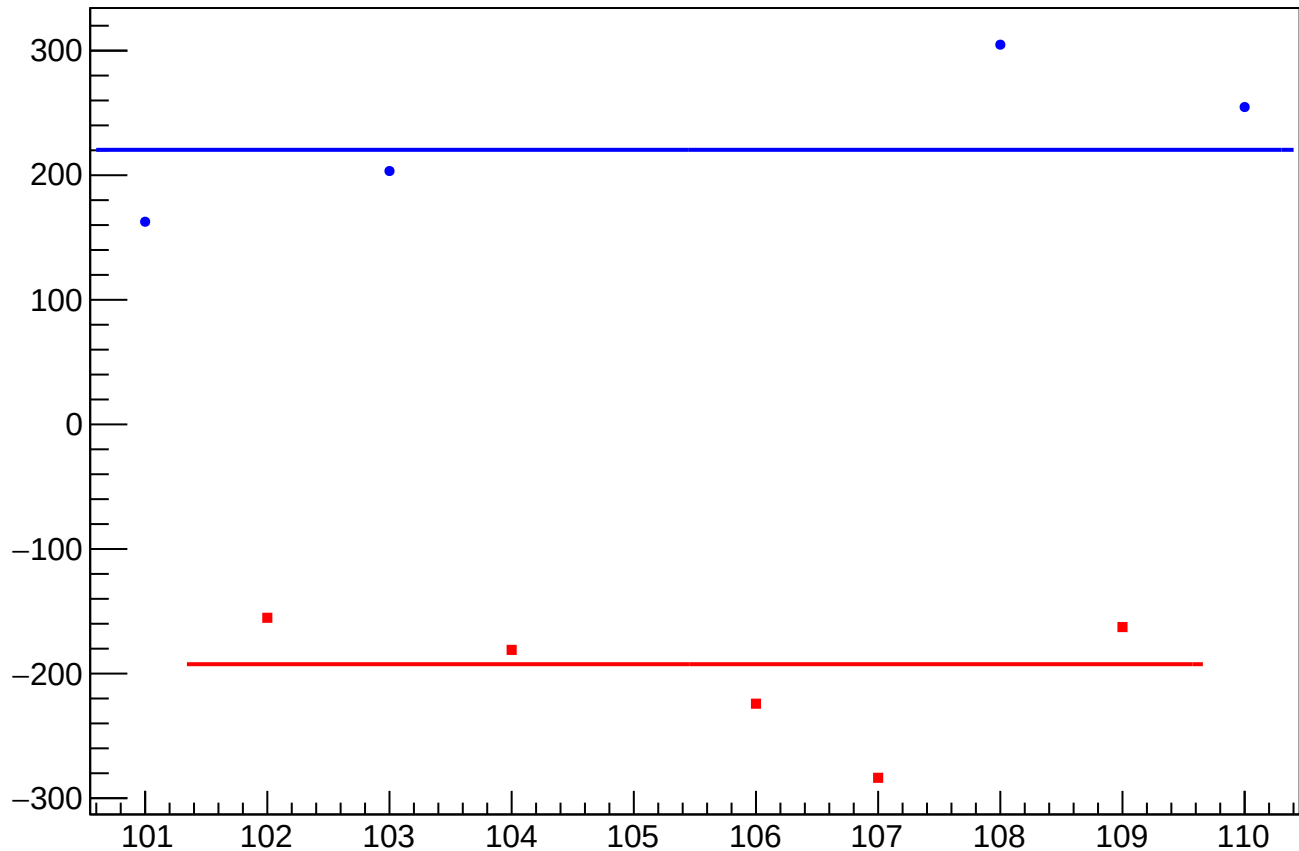
Right Out: 22478.741+/-0.000  $\chi^2/\text{NDF}$ : 3409428698166892691161032034227859750912.0/4

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

1196.687+/-0.000  $\chi^2/\text{NDF}$ : 23173246064

22478.741+/-0.000  $\chi^2/\text{NDF}$ : 340942869816689

dit\_sam1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 220.391+/-0.000  $\chi^2/\text{NDF}$ : 525571746584858406503920843289001984.0/3

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

Right Out: -192.460+/-0.000  $\chi^2/\text{NDF}$ : 462946589906354492980885672062615552.0/4

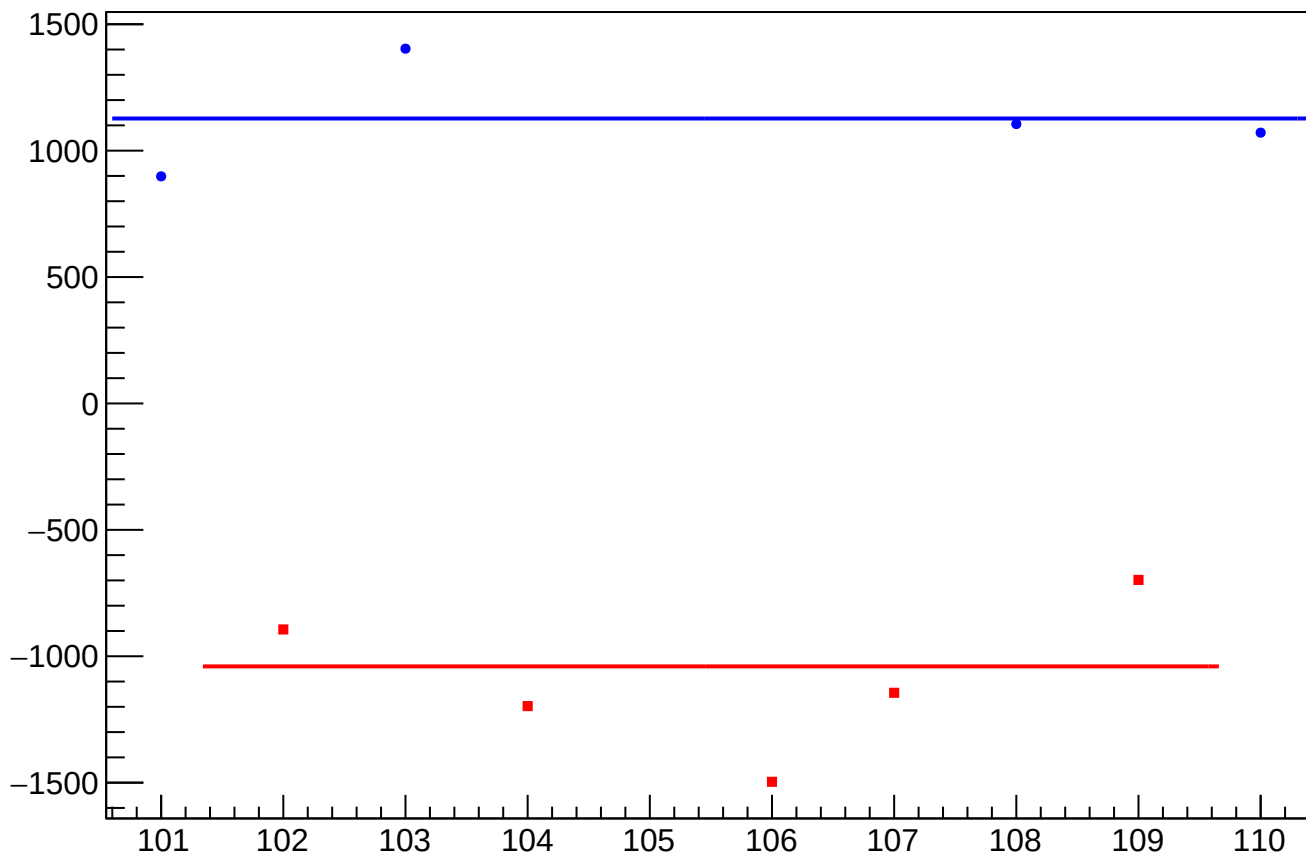
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

220.391+/-0.000  $\chi^2/\text{NDF}$ : 525571746584858406503920843289001984.0/3

-3.813+/-0.000  $\chi^2/\text{NDF}$ : 18668084261469

-192.460+/-0.000  $\chi^2/\text{NDF}$ : 462946589906354492980885672062615552.0/4

dit\_sam1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

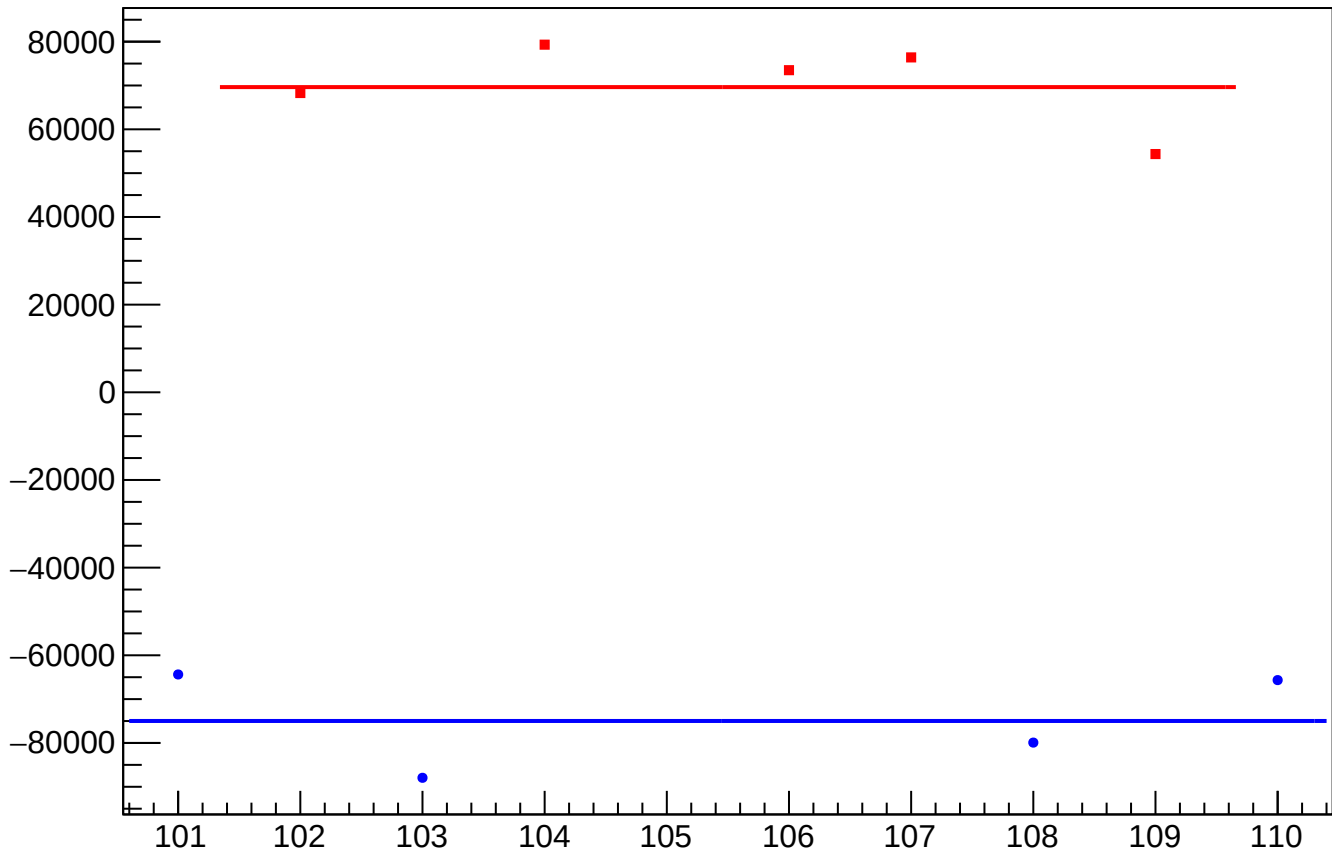
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

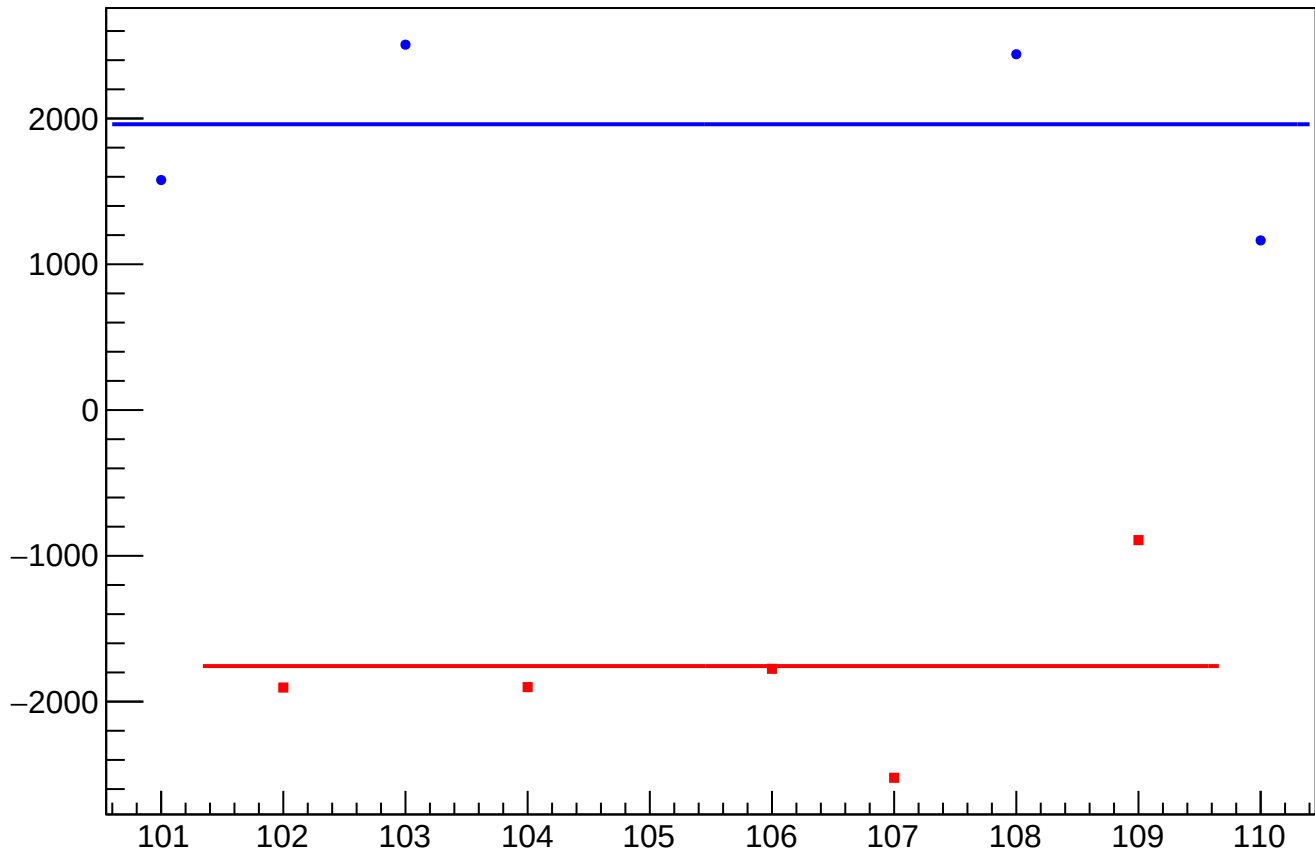
-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

dit\_sam2\_coil4\_mean vs Slug, Sign Corrected



Right In: -74984.392+/-0.000  $\chi^2/\text{NDF}$ : 20528749514045855547965453780609264517120.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 69631.913+/-0.000  $\chi^2/\text{NDF}$ : 18896500956462175896407944836914459181056.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1960.448+/-0.000  $\chi^2/\text{NDF}$ : 57215514323965350201952827465523003392.0/3

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

Right Out: -1756.246+/-0.000  $\chi^2/\text{NDF}$ : 61554839488260698608739167805533847552.0/4

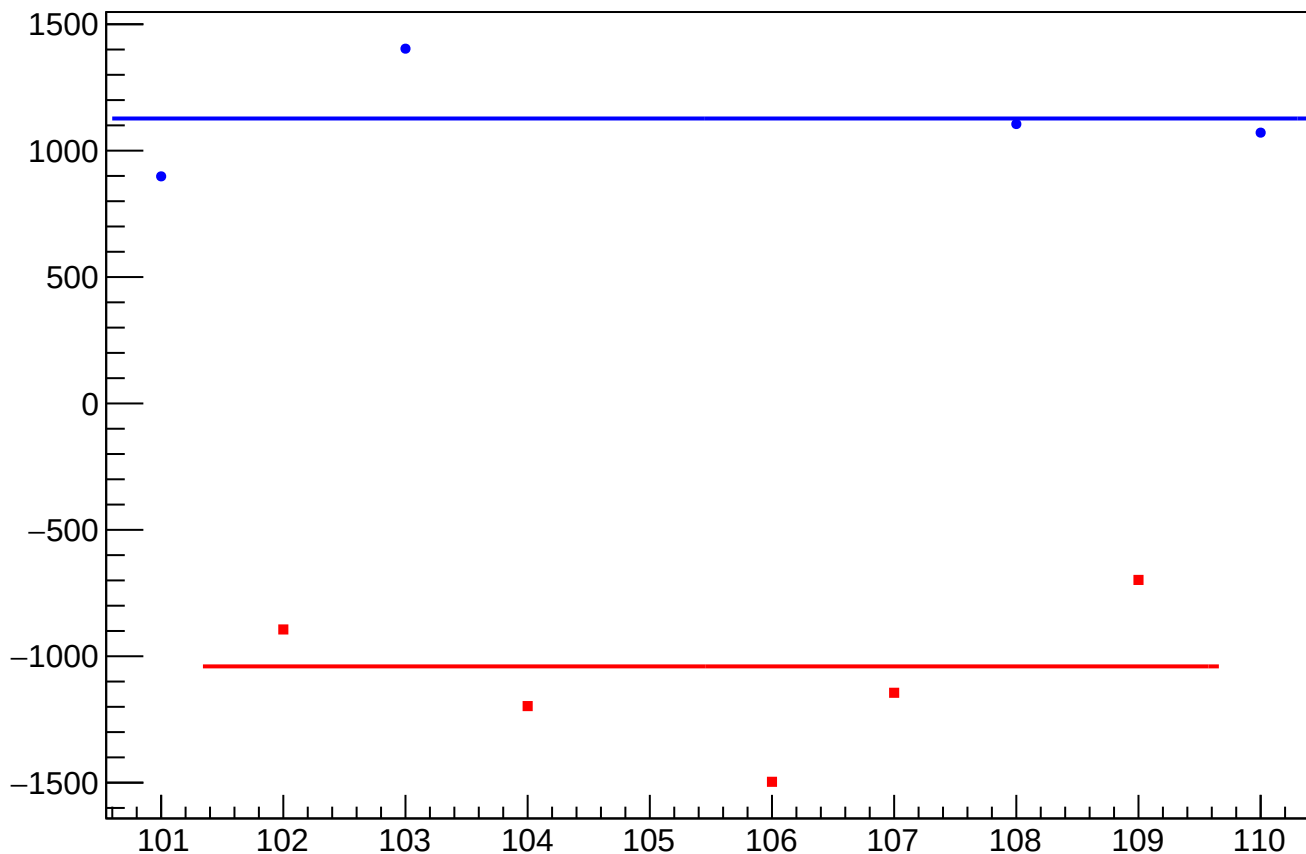
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1960.448+/-0.000  $\chi^2/\text{NDF}$ : 5721551432396535

-57.948+/-0.000  $\chi^2/\text{NDF}$ : 155160703272

-1756.246+/-0.000  $\chi^2/\text{NDF}$ : 615548394882606

dit\_sam2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

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

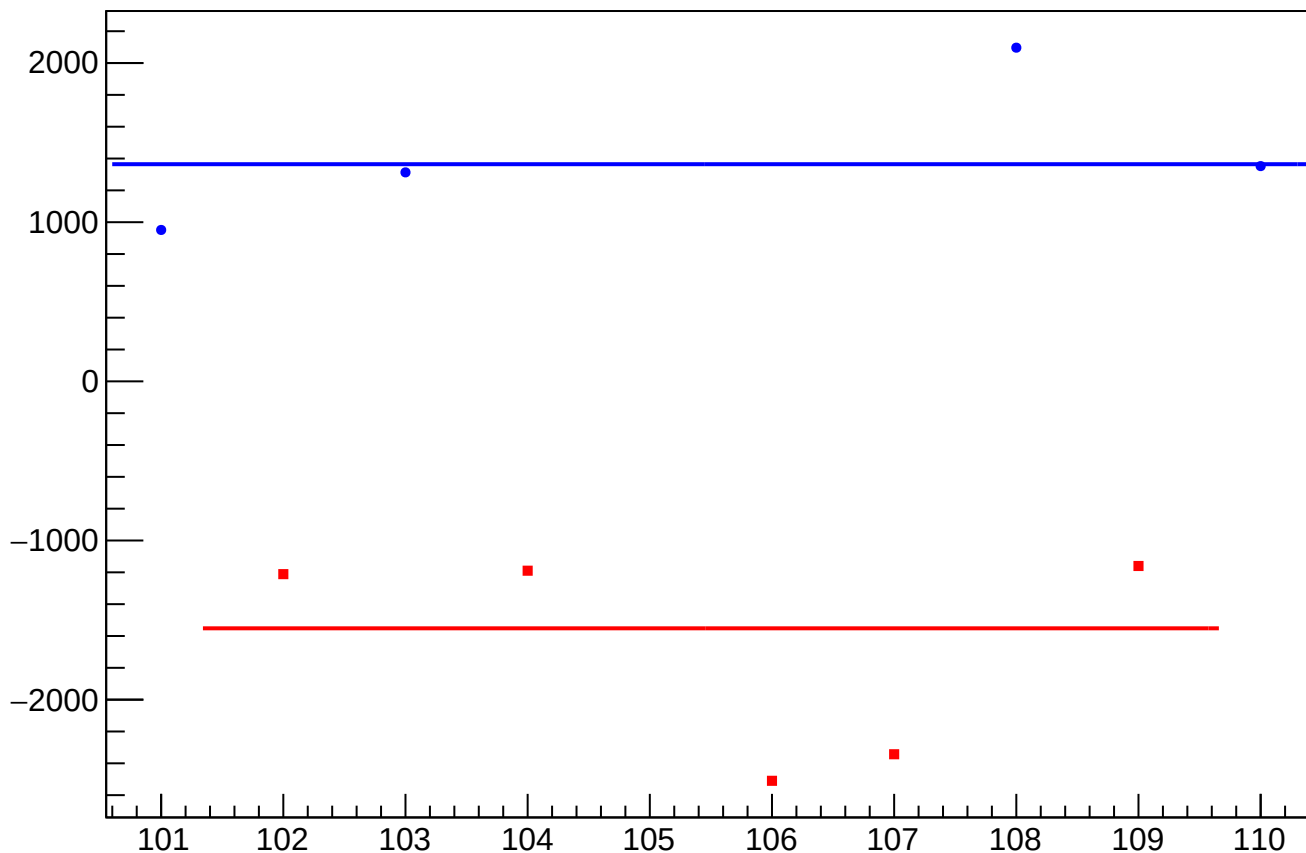
1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636



dit\_sam3\_coil4\_mean vs Slug, Sign Corrected



Right In: 1364.413+/-0.000  $\chi^2/\text{NDF}$ : 30599518496395257776247138172113256448.0/3

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

Right Out: -1551.779+/-0.000  $\chi^2/\text{NDF}$ : 72222208386398707486257631741823942656.0/4

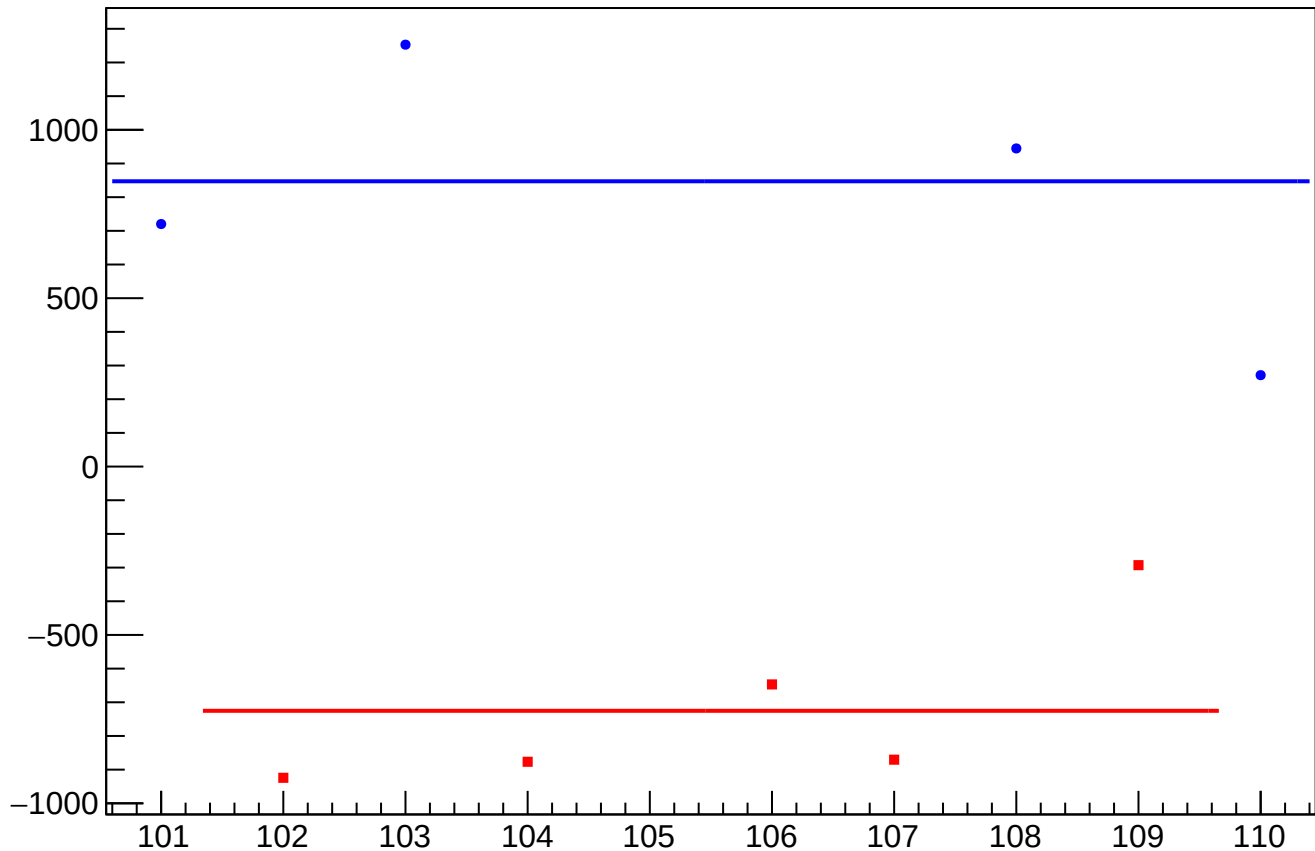
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1364.413+/-0.000  $\chi^2/\text{NDF}$ : 3059951849639525

-219.261+/-0.000  $\chi^2/\text{NDF}$ : 98491619664

-1551.779+/-0.000  $\chi^2/\text{NDF}$ : 722222083863987

dit\_sam3\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 847.196+/-0.000  $\chi^2/\text{NDF}$ : 22624267530245641195685501660838232064.0/3

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

Right Out: -725.281+/-0.000  $\chi^2/\text{NDF}$ : 13951688462192263335287835629159710720.0/4

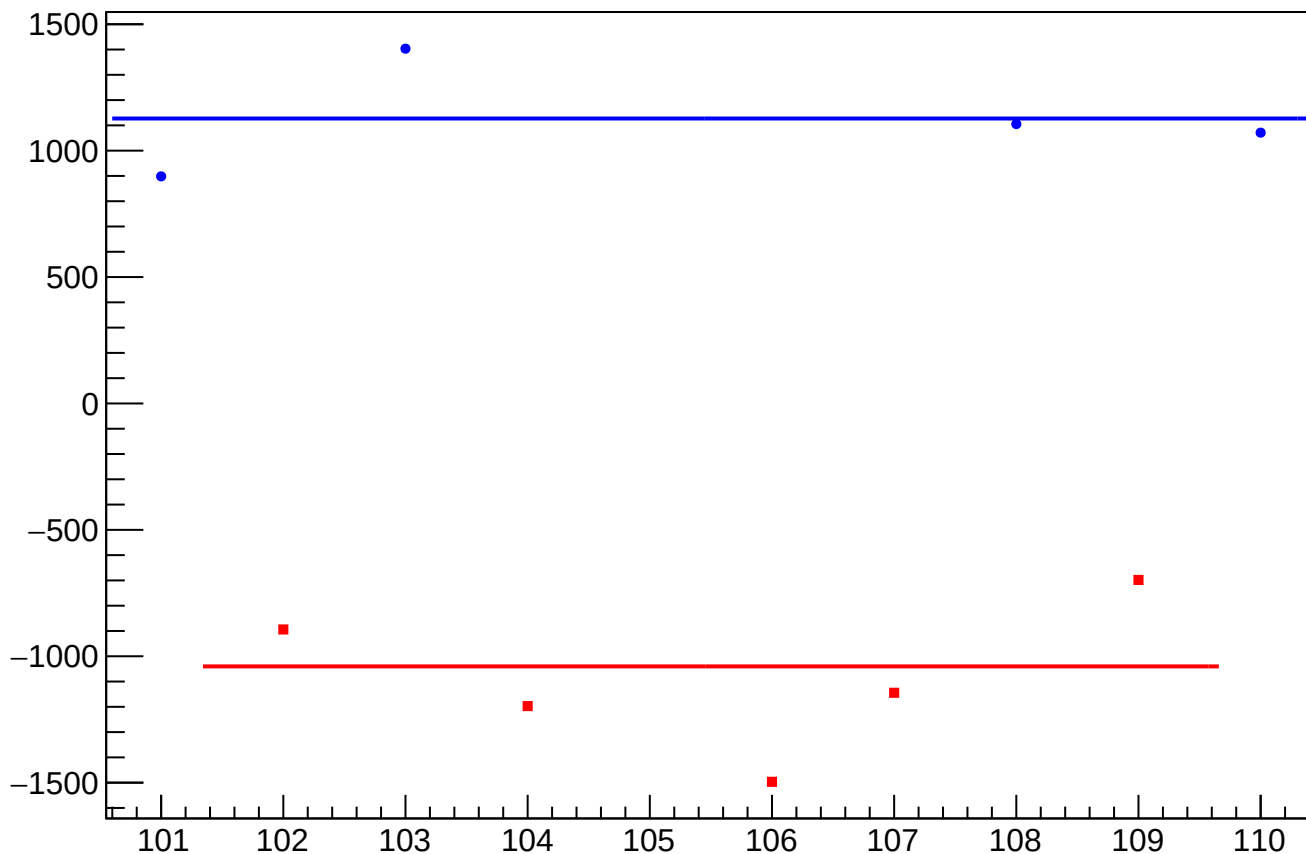
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

847.196+/-0.000  $\chi^2/\text{NDF}$ : 22624267530245641195685501660838232064.0/3

-6.757+/-0.000  $\chi^2/\text{NDF}$ : 2930547120705.0/3

-725.281+/-0.000  $\chi^2/\text{NDF}$ : 13951688462192263335287835629159710720.0/4

dit\_sam3\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188 $\pm$ 0.000  $\chi^2$ /NDF: 7719683132437219070678256908519866368.0/3

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

Right Out: -1040.070 $\pm$ 0.000  $\chi^2$ /NDF: 15314530072563699000807615283599507456.0/4

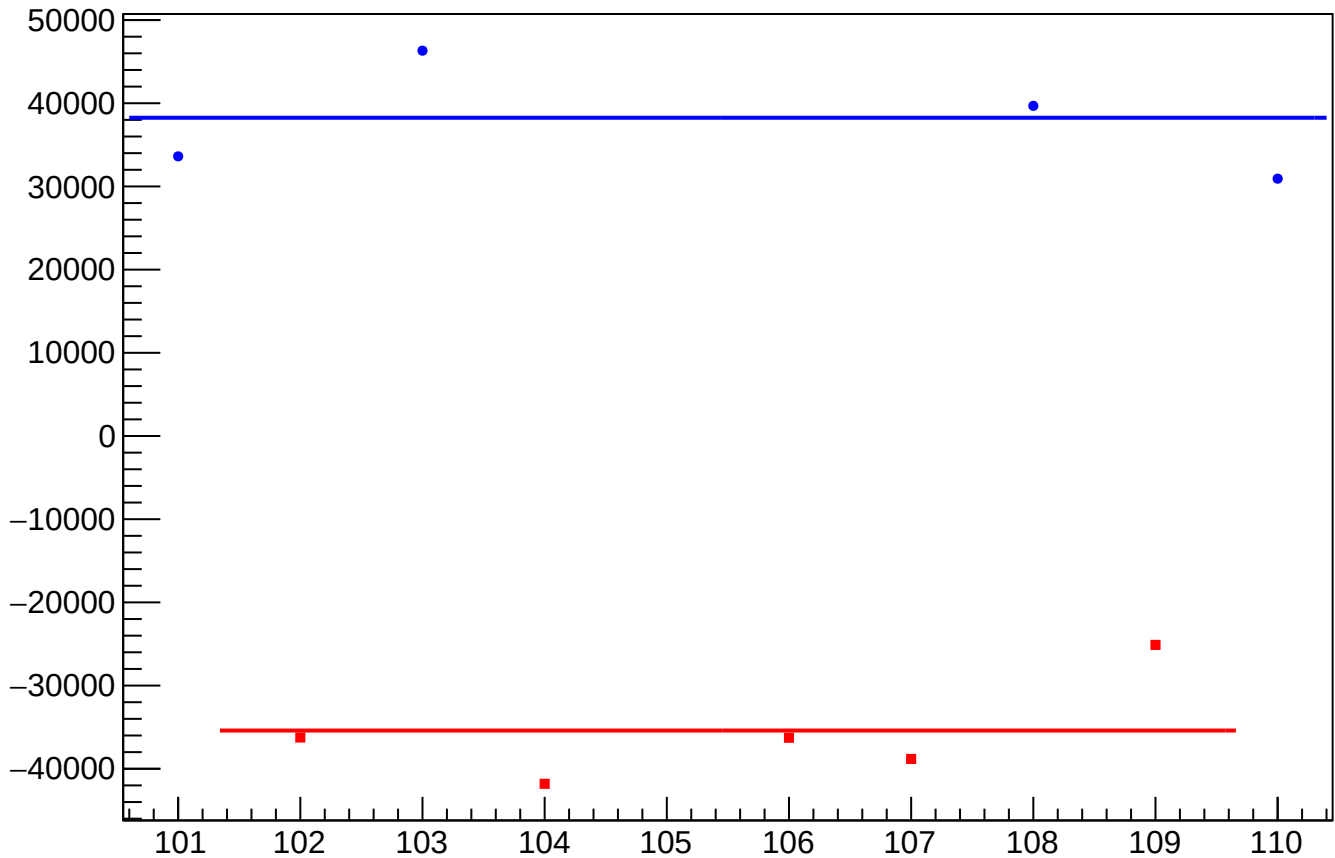
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1127.188 $\pm$ 0.000  $\chi^2$ /NDF: 7719683132437219

-49.768 $\pm$ 0.000  $\chi^2$ /NDF: 510231161608

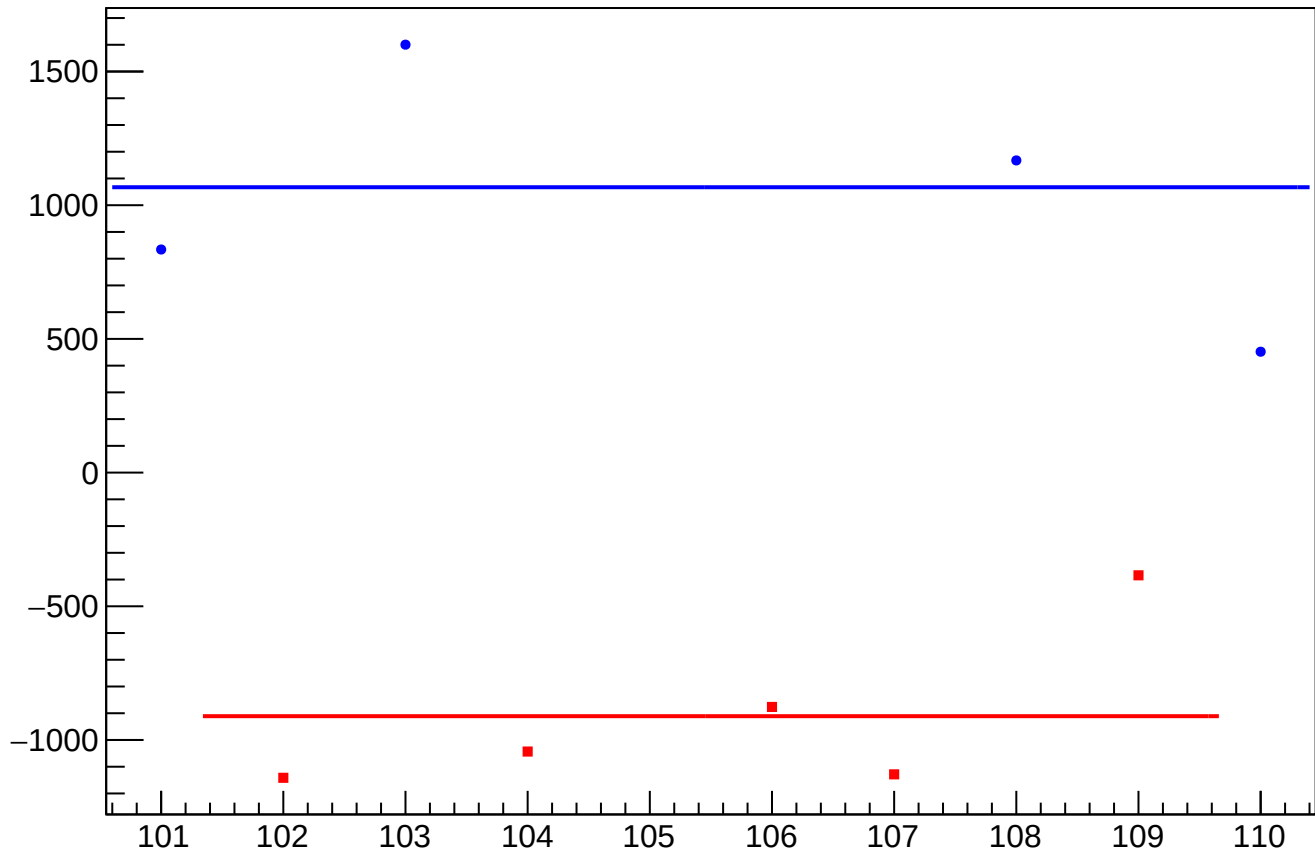
-1040.070 $\pm$ 0.000  $\chi^2$ /NDF: 153145300725636

dit\_sam4\_coil4\_mean vs Slug, Sign Corrected



Right In: 38256.560+/-0.000  $\chi^2/\text{NDF}$ : 7060975545677575808135665094470534168576.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -35404.760+/-0.000  $\chi^2/\text{NDF}$ : 7978596047278660805018082603527231766528.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1067.221+/-0.000  $\chi^2/\text{NDF}$ : 33598997305209394166493498960974446592.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -911.017+/-0.000  $\chi^2/\text{NDF}$ : 19868739539271953252962374442211606528.0/4

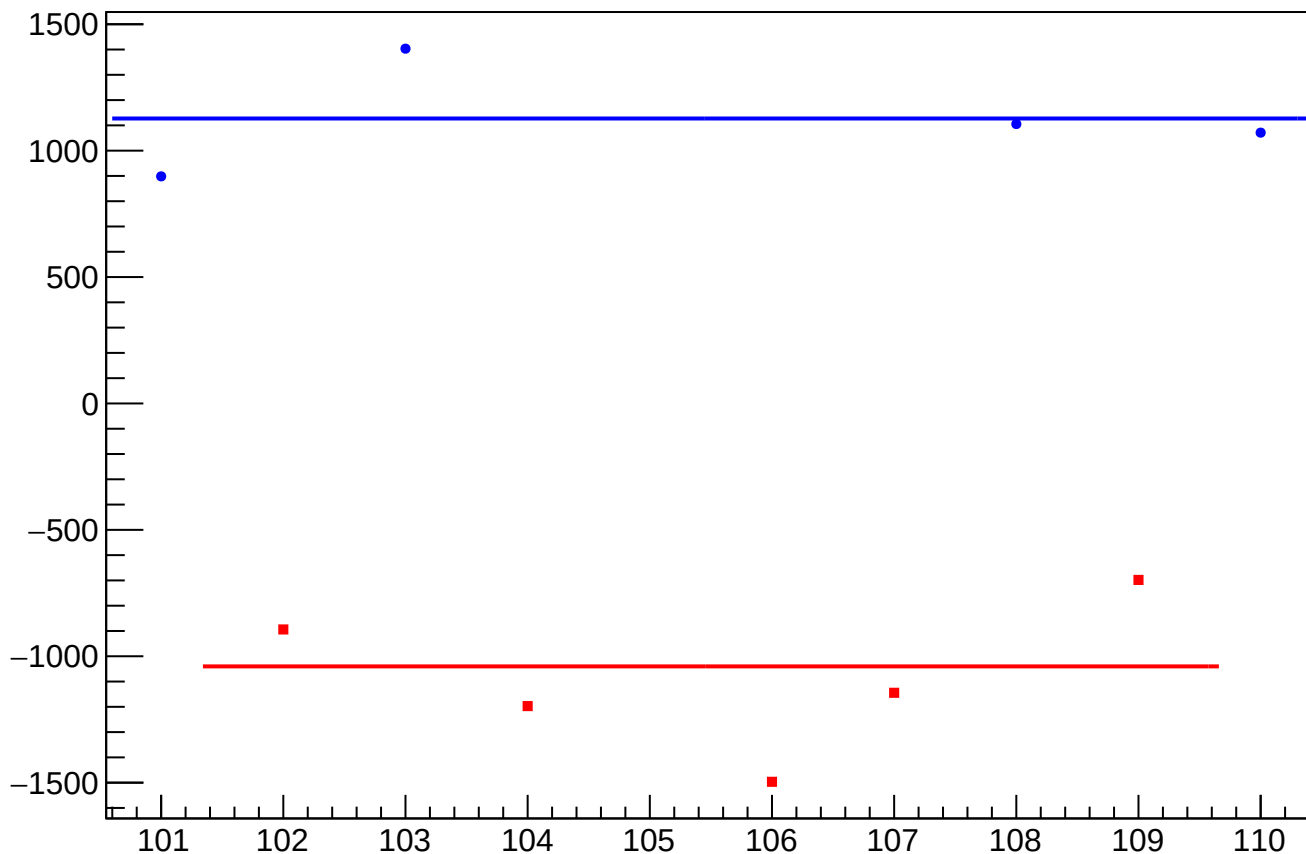
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1067.221+/-0.000  $\chi^2/\text{NDF}$ : 33598997305209394166493498960974446592.0/3

-7.086+/-0.000  $\chi^2/\text{NDF}$ : 45938735480563.0/3

-911.017+/-0.000  $\chi^2/\text{NDF}$ : 19868739539271953252962374442211606528.0/4

dit\_sam4\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

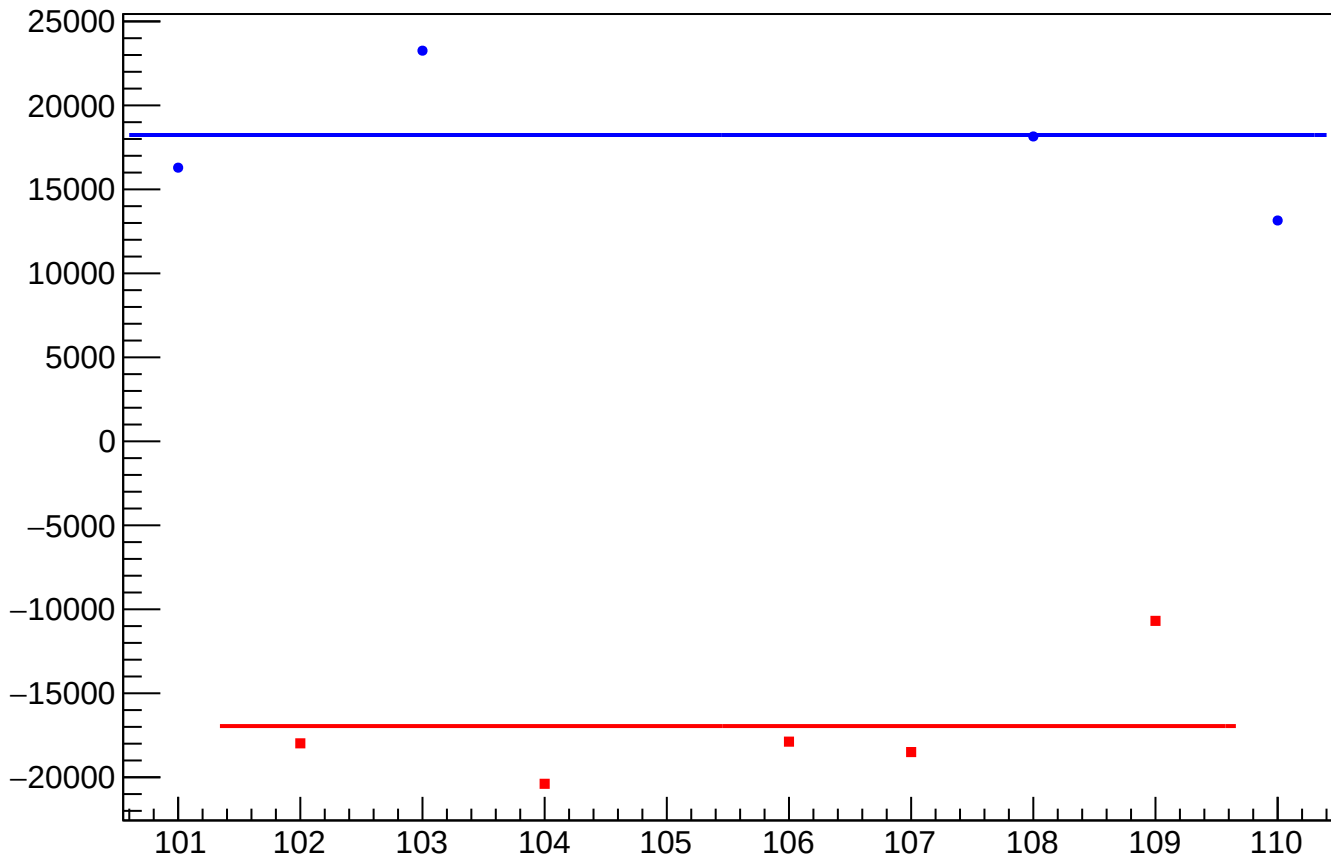
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

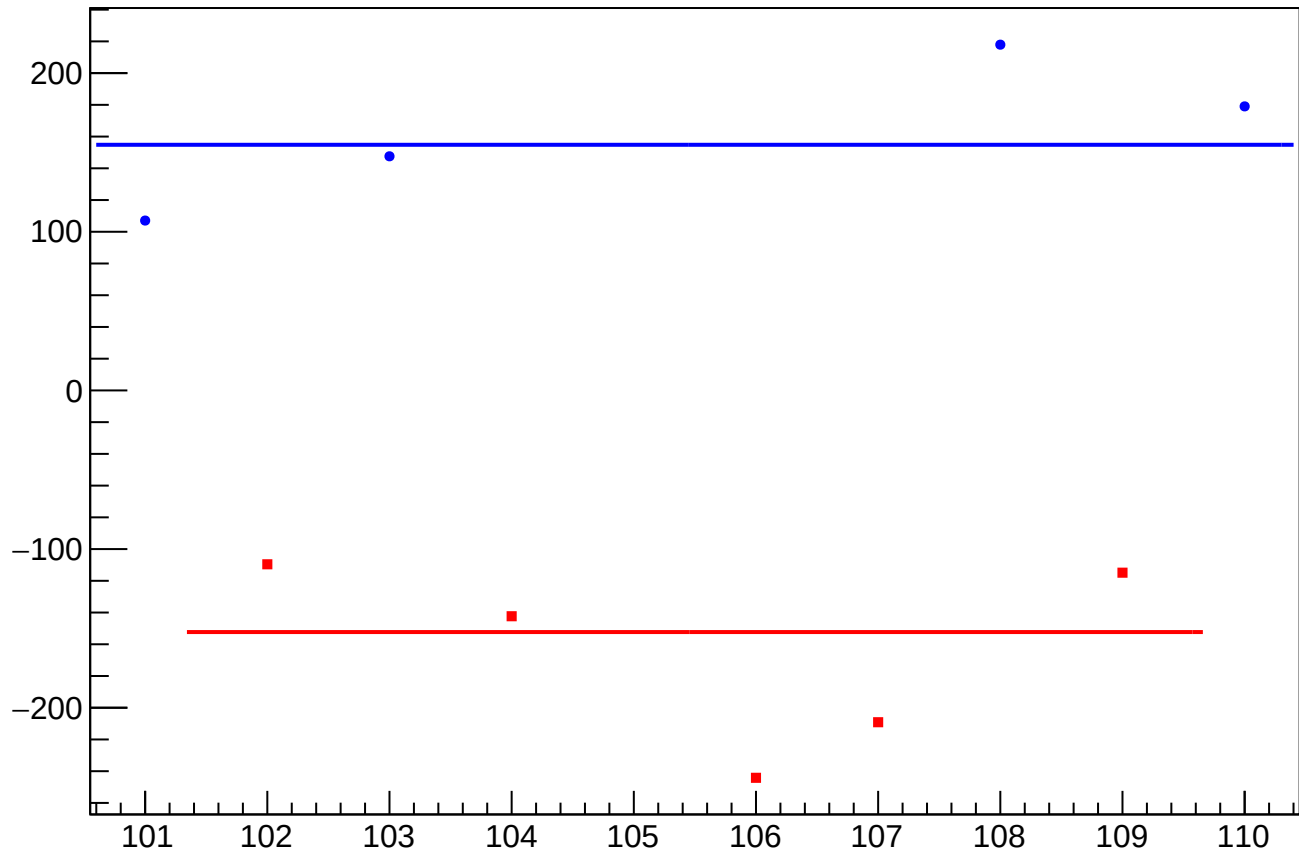
-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

dit\_sam5\_coil4\_mean vs Slug, Sign Corrected



Right In: 18237.389+/-0.000  $\chi^2/\text{NDF}$ : 2617128727111043416484972206526694424576.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -16951.623+/-0.000  $\chi^2/\text{NDF}$ : 2776833319429486127571925717322408394752.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 154.821+/-0.000  $\chi^2/\text{NDF}$ : 309492374851751357419322748107227136.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -152.301+/-0.000  $\chi^2/\text{NDF}$ : 560193292515015246236498110720245760.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

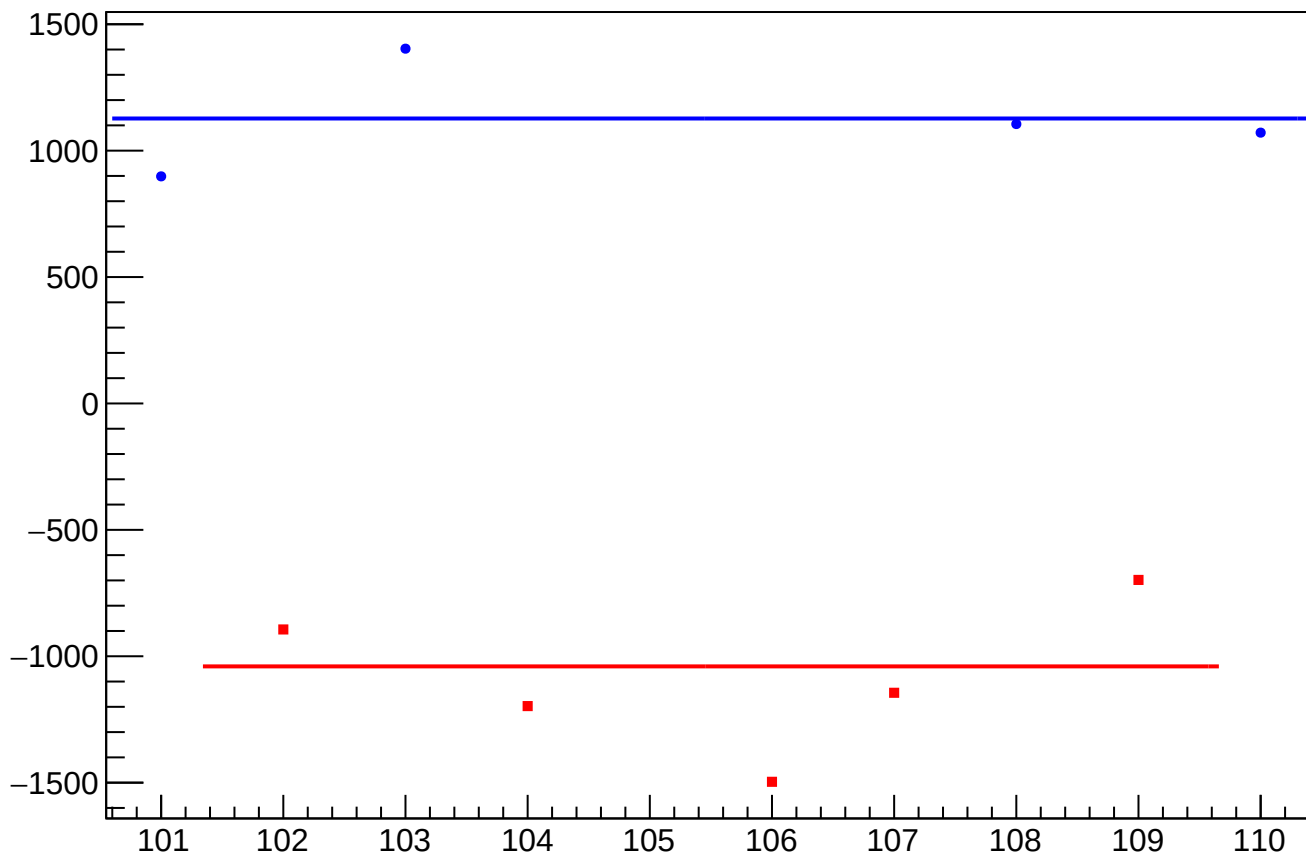
154.821+/-0.000  $\chi^2/\text{NDF}$ : 309492374851751357419322748107227136.0/3

-11.965+/-0.000  $\chi^2/\text{NDF}$ : 106534228956.0/3

-152.301+/-0.000  $\chi^2/\text{NDF}$ : 560193292515015246236498110720245760.0/4



dit\_sam5\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

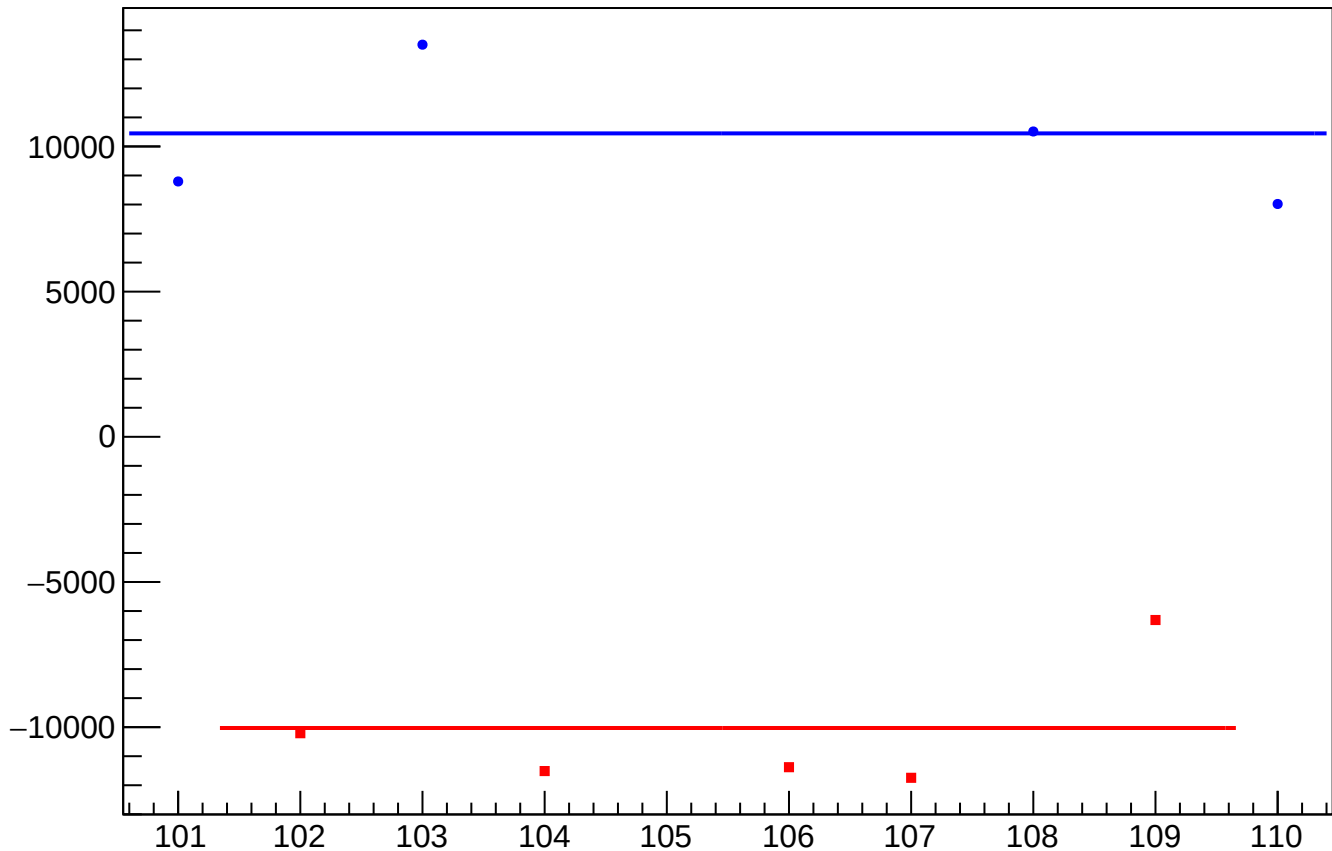
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

dit\_sam6\_coil4\_mean vs Slug, Sign Corrected



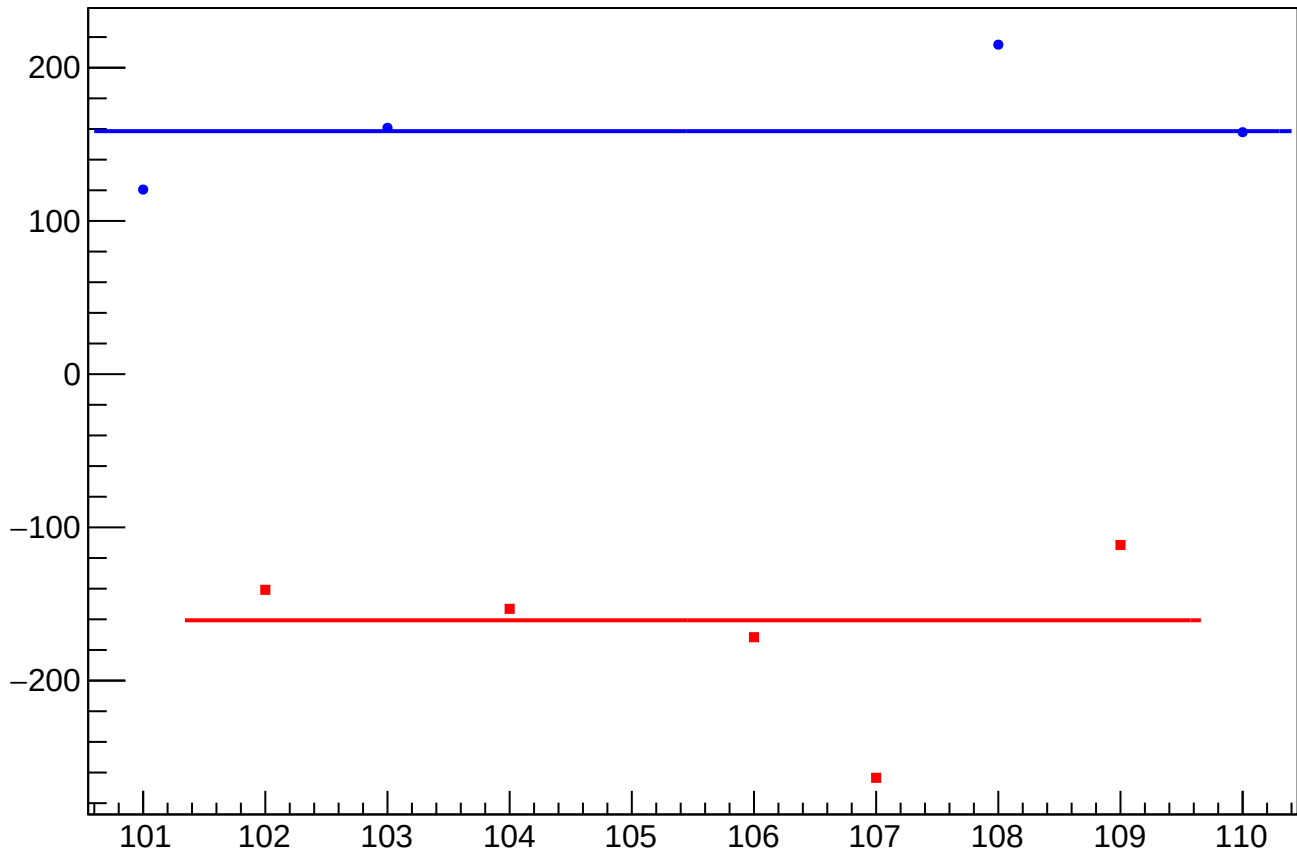
Right In: 10449.950+/-0.000  $\chi^2/\text{NDF}$ : 919499859997135372149170256566170943488.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10028.327+/-0.000  $\chi^2/\text{NDF}$ : 981820836328890867119032008846119796736.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 158.597+/-0.000  $\chi^2/\text{NDF}$ : 207096082702216735258947283807371264.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

158.597+/-0.000  $\chi^2/\text{NDF}$ : 20709608270221673

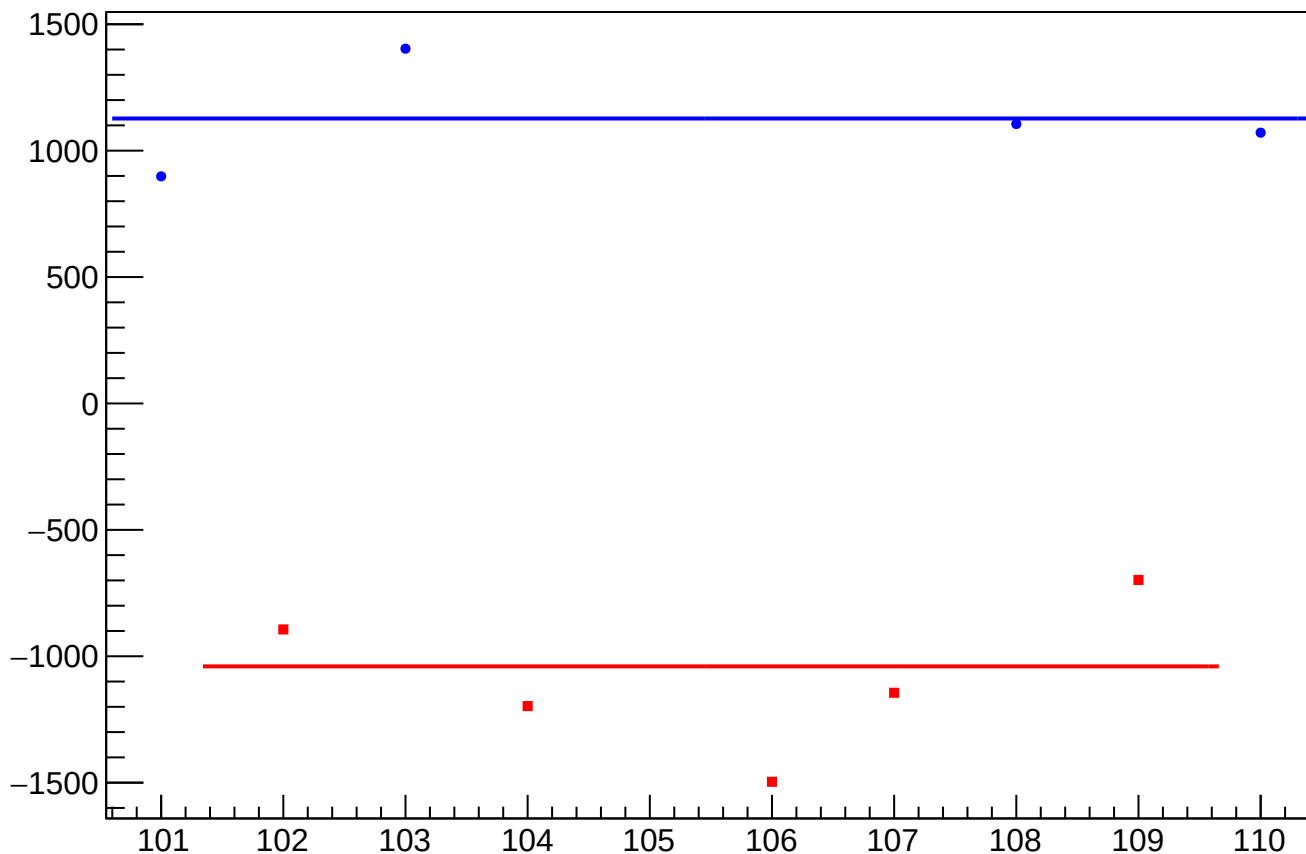
-14.772+/-0.000  $\chi^2/\text{NDF}$ : 113115143364

Right Out: -160.647+/-0.000  $\chi^2/\text{NDF}$ : 533134759264688348598417934113570816.0/4

-160.647+/-0.000  $\chi^2/\text{NDF}$ : 5331347592646883

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

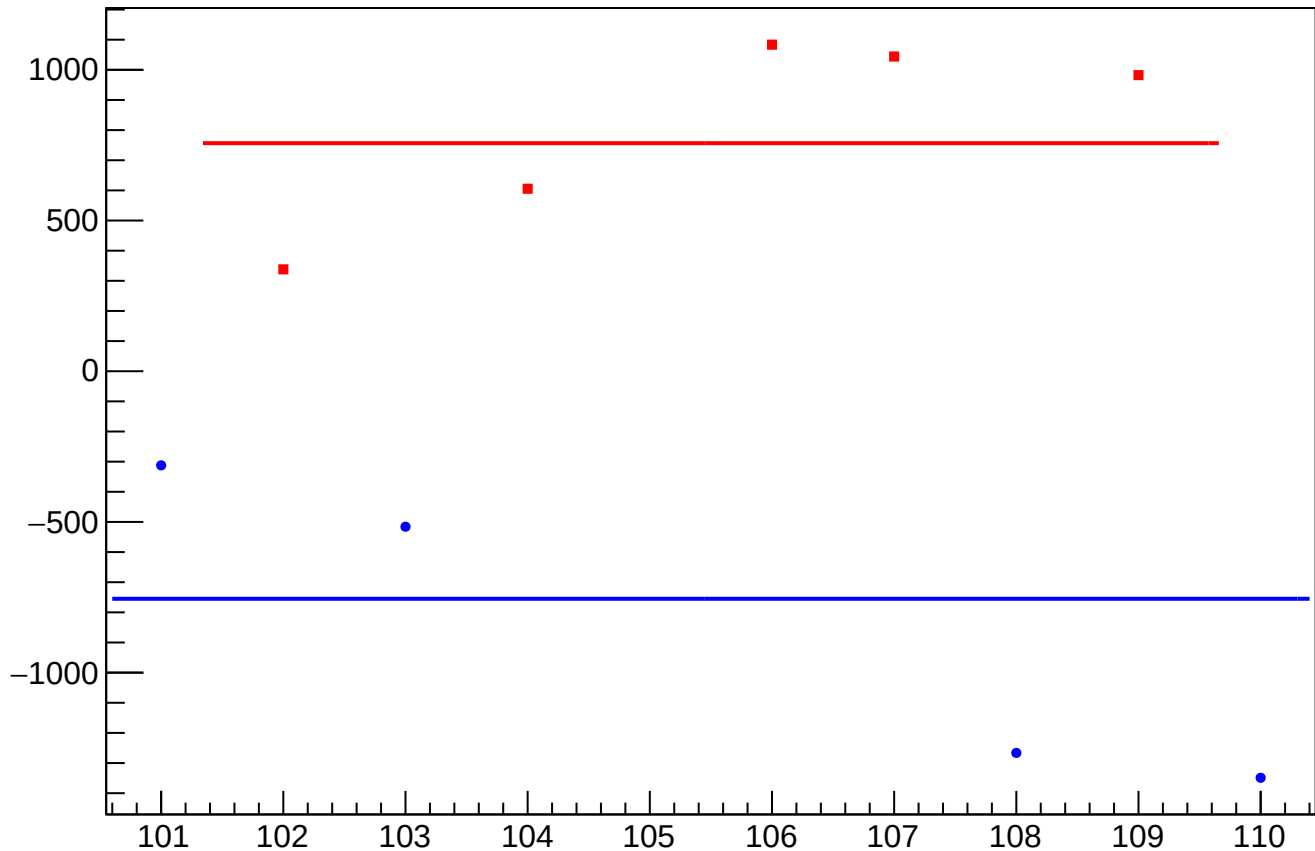
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

dit\_sam7\_coil4\_mean vs Slug, Sign Corrected



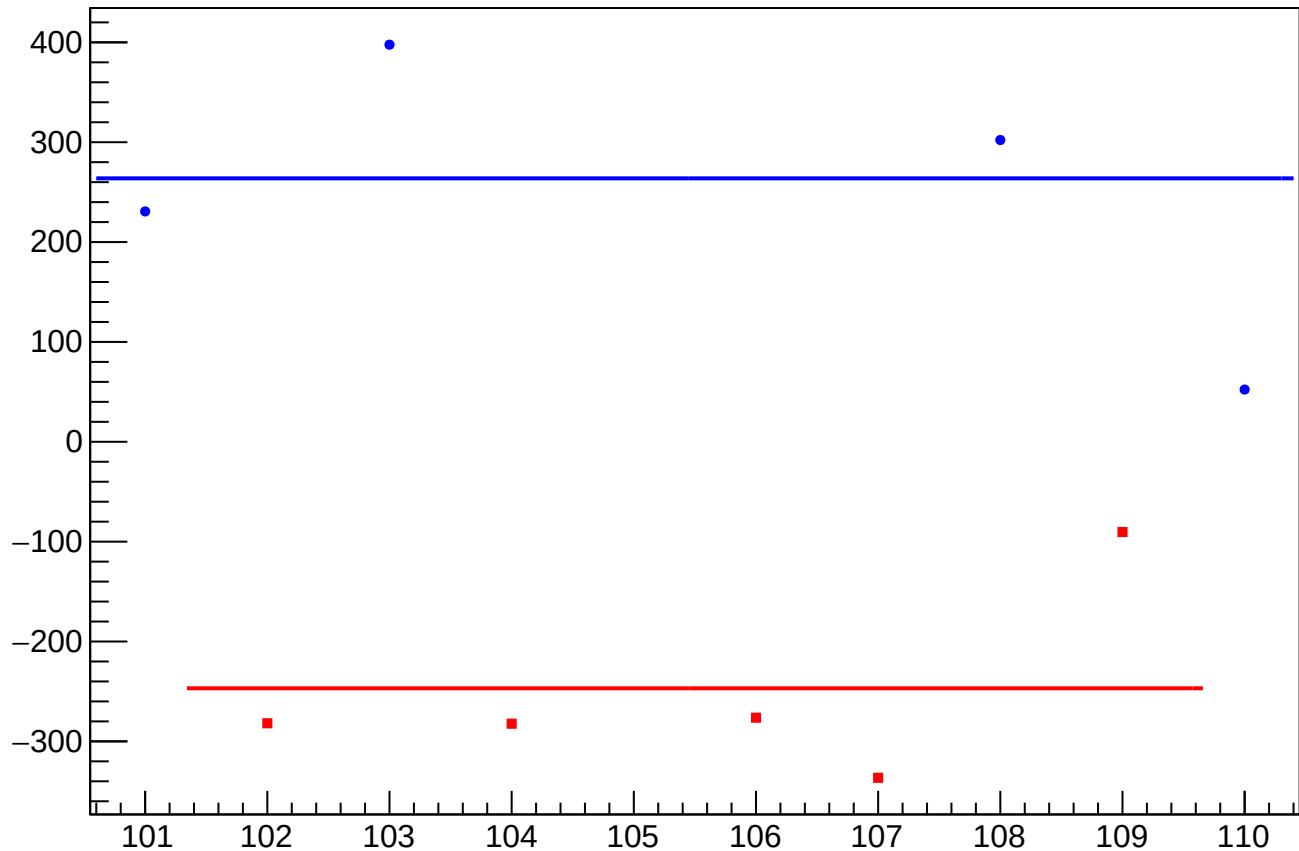
Right In: -754.957+/-0.000  $\chi^2/\text{NDF}$ : 37214205584592570637845387758652096512.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 756.675+/-0.000  $\chi^2/\text{NDF}$ : 20216180822731676294656358608244047872.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 263.814+/-0.000  $\chi^2/\text{NDF}$ : 2743574988501255961374973060026728448.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -246.847+/-0.000  $\chi^2/\text{NDF}$ : 1700586184601037256513059042984198144.0/4

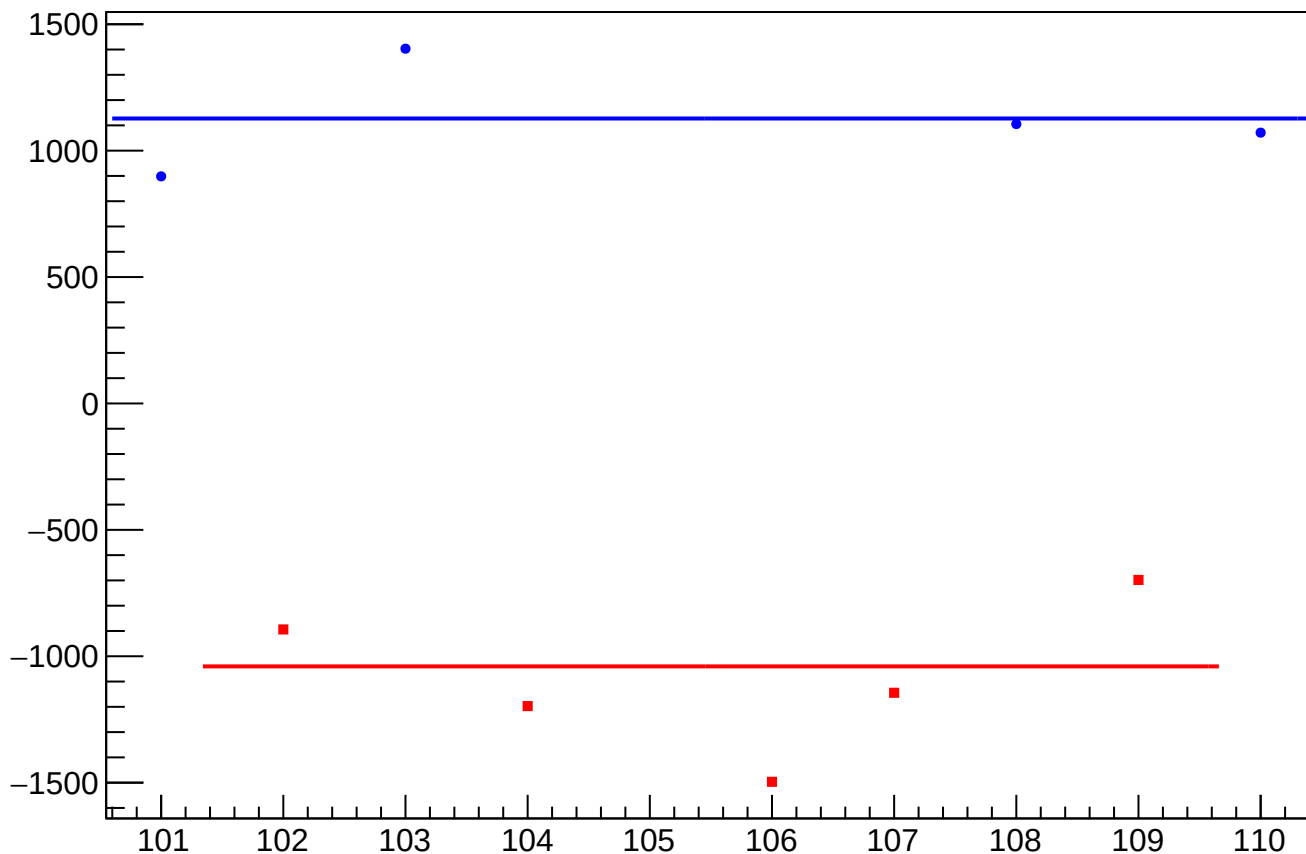
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

263.814+/-0.000  $\chi^2/\text{NDF}$ : 2743574988501255961374973060026728448.0/3

-13.507+/-0.000  $\chi^2/\text{NDF}$ : 314929553844.0/3

-246.847+/-0.000  $\chi^2/\text{NDF}$ : 1700586184601037256513059042984198144.0/4

dit\_sam7\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

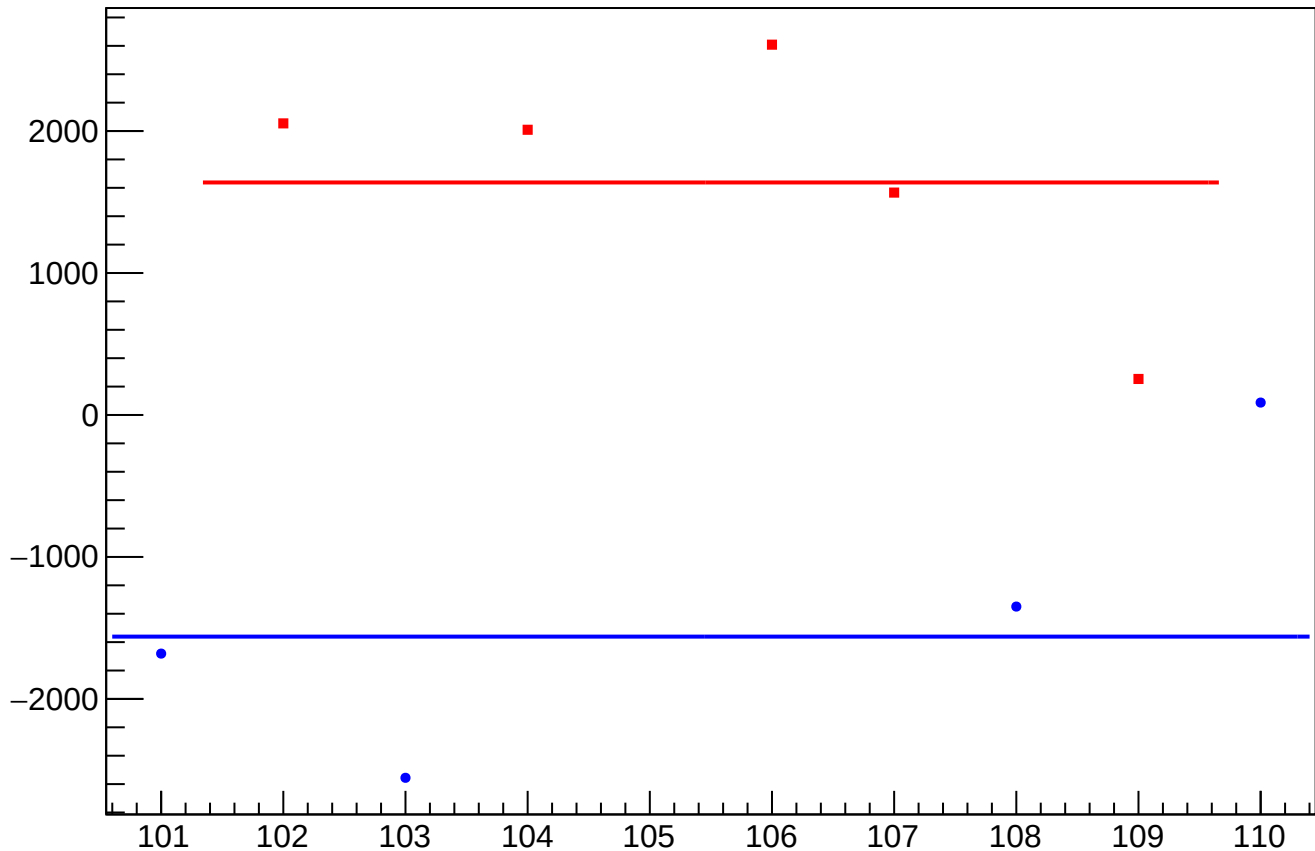
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

# dit\_sam8\_coil4\_mean vs Slug, Sign Corrected



Right In: -1561.101+/-0.000  $\chi^2/\text{NDF}$ : 156014450911467896222997282742582902784.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1637.773+/-0.000  $\chi^2/\text{NDF}$ : 144154969706745121834311548822404202496.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

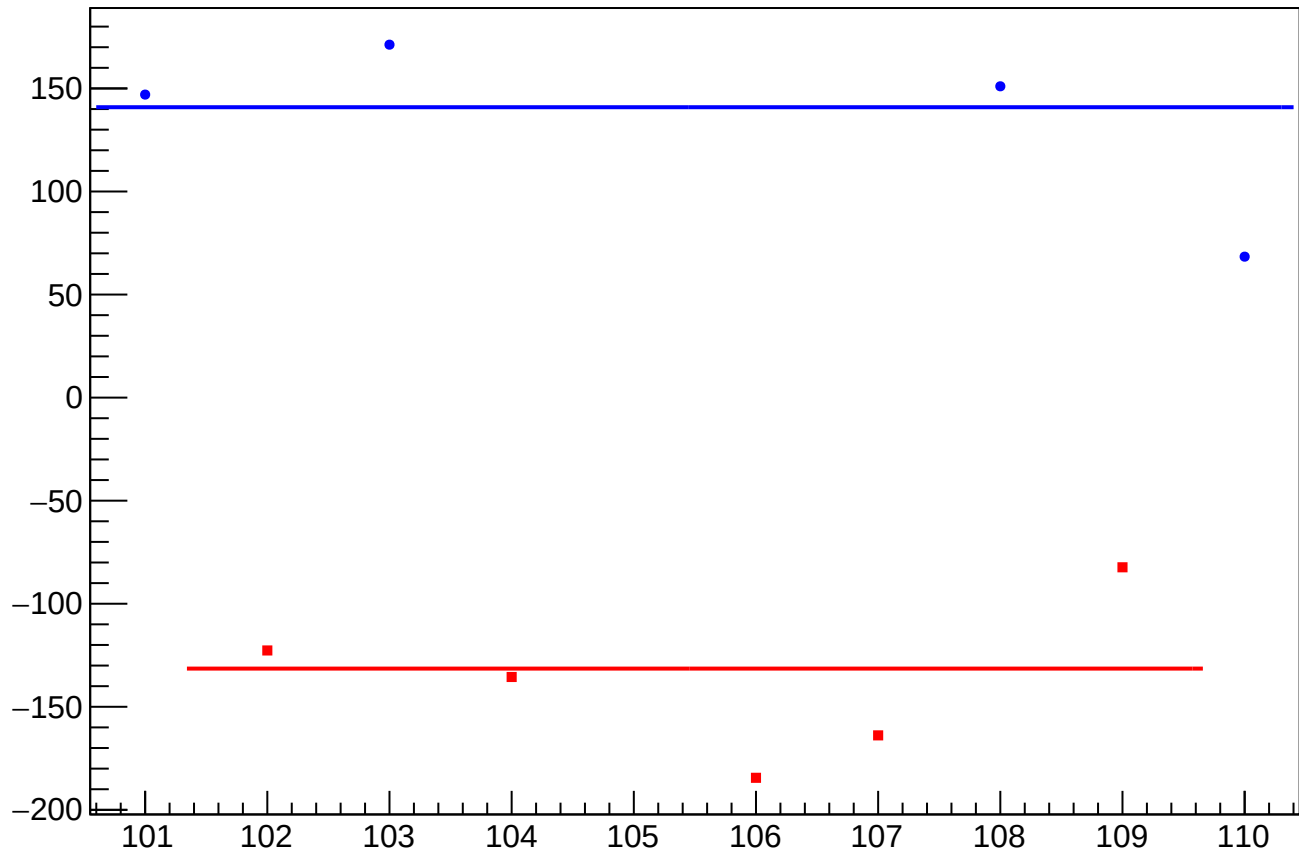
-1561.101+/-0.000  $\chi^2/\text{NDF}$ : 156014450911467

176.087+/-0.000  $\chi^2/\text{NDF}$ : 136156483388

1637.773+/-0.000  $\chi^2/\text{NDF}$ : 1441549697067451



# dit\_sam8\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 140.890 $\pm$ 0.000  $\chi^2$ /NDF: 244444637261127867156107308969230336.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -131.467 $\pm$ 0.000  $\chi^2$ /NDF: 253331194911701488085528998645334016.0/4

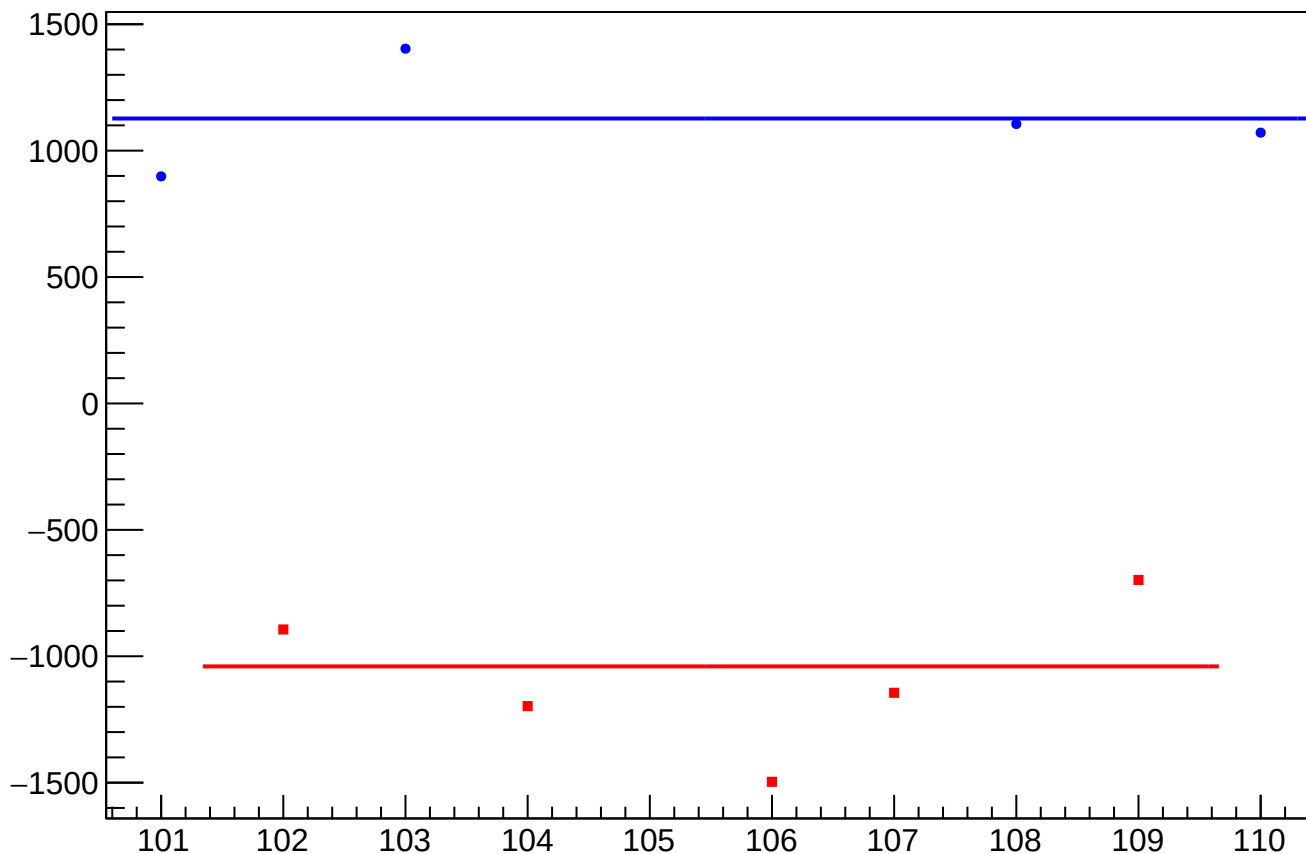
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

140.890 $\pm$ 0.000  $\chi^2$ /NDF: 244444637261127867156107308969230336.0/3

-7.017 $\pm$ 0.000  $\chi^2$ /NDF: 8191938110970.0/3

-131.467 $\pm$ 0.000  $\chi^2$ /NDF: 253331194911701488085528998645334016.0/4

dit\_sam8\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219070678256908519866368.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1040.070+/-0.000  $\chi^2/\text{NDF}$ : 15314530072563699000807615283599507456.0/4

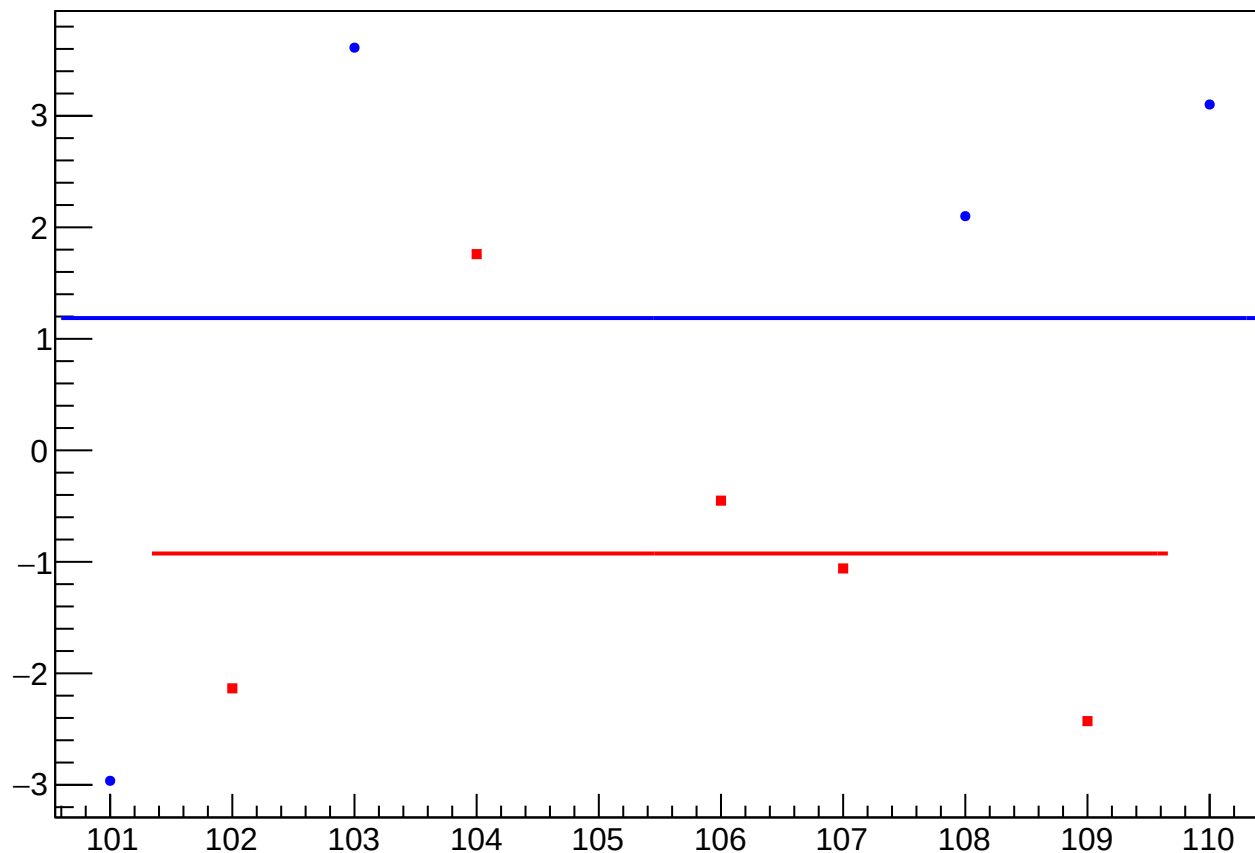
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1127.188+/-0.000  $\chi^2/\text{NDF}$ : 7719683132437219

-49.768+/-0.000  $\chi^2/\text{NDF}$ : 510231161608

-1040.070+/-0.000  $\chi^2/\text{NDF}$ : 153145300725636

dit\_4aX\_coil6\_mean vs Slug, Sign Corrected



Right In: 1.186+/-0.000  $\chi^2/\text{NDF}$ : 1523178538206069355131270642794496.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.925+/-0.000  $\chi^2/\text{NDF}$ : 575307806431902354469928172519424.0/4

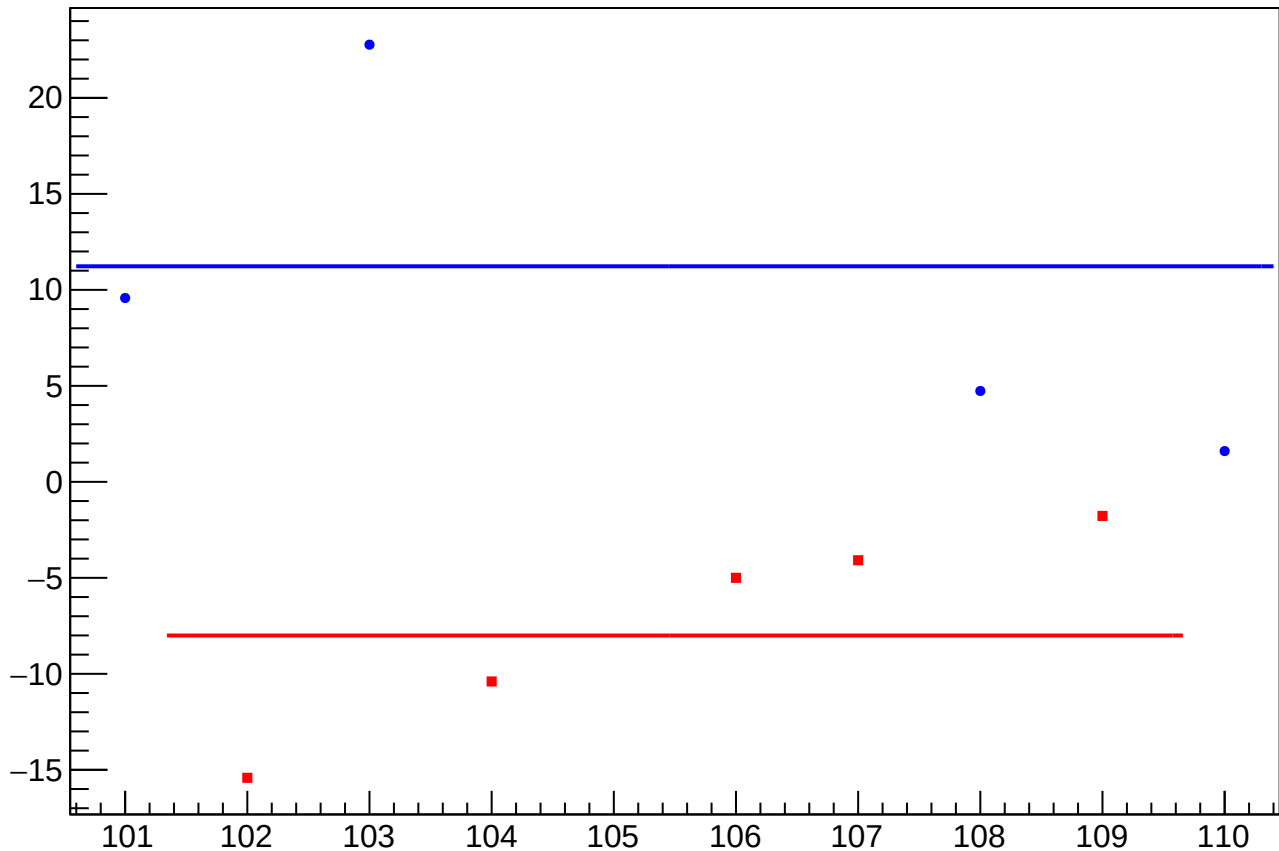
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.186+/-0.000  $\chi^2/\text{NDF}$ : 1523178538206069355131270642794496.0/3

0.040+/-0.000  $\chi^2/\text{NDF}$ : 25608982133028

-0.925+/-0.000  $\chi^2/\text{NDF}$ : 575307806431902354469928172519424.0/4

# dit\_4aX\_coil6\_err\_mean vs Slug, Sign Corrected



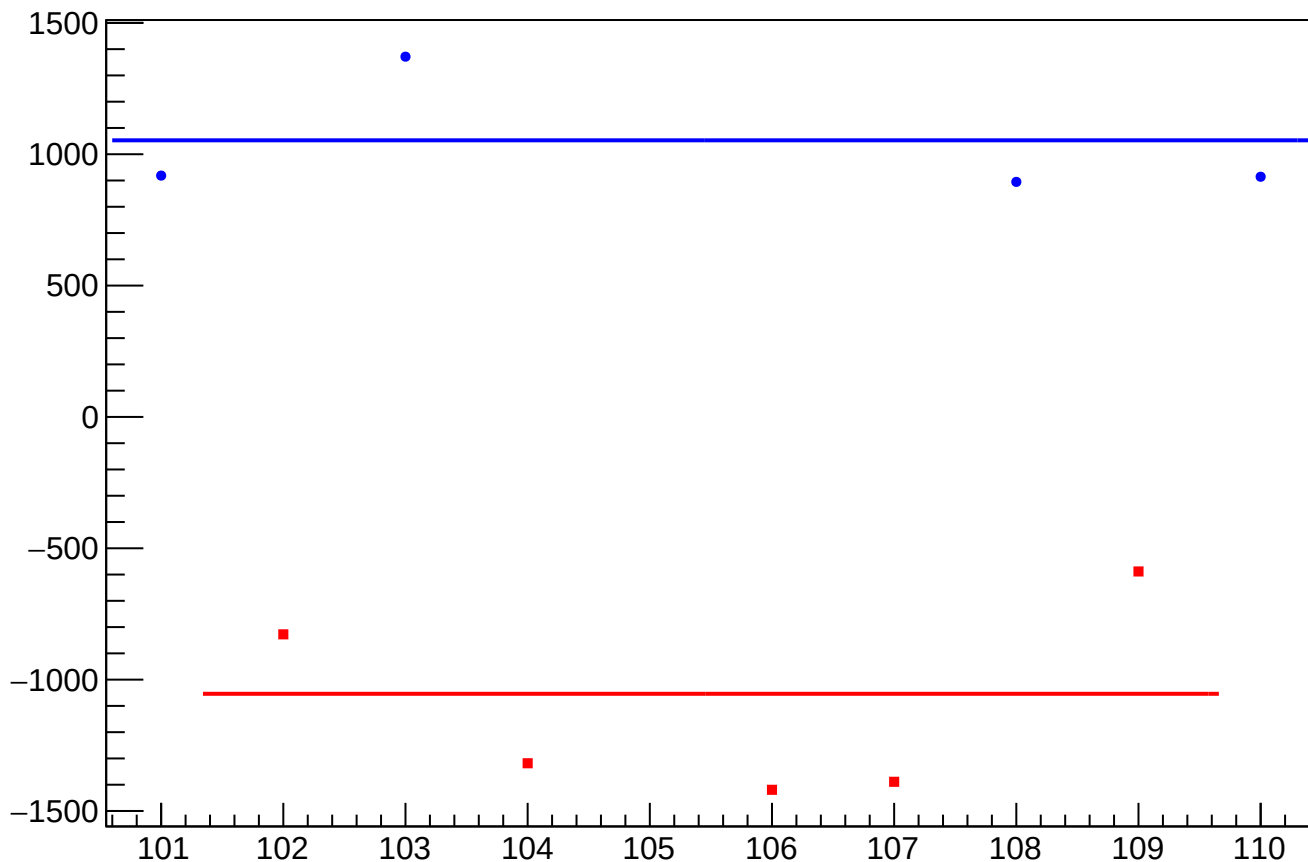
Right In: 11.228+/-0.000  $\chi^2/\text{NDF}$ : 12868318834277924825755146422059008.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -8.004+/-0.000  $\chi^2/\text{NDF}$ : 6290207644252645251007453662806016.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

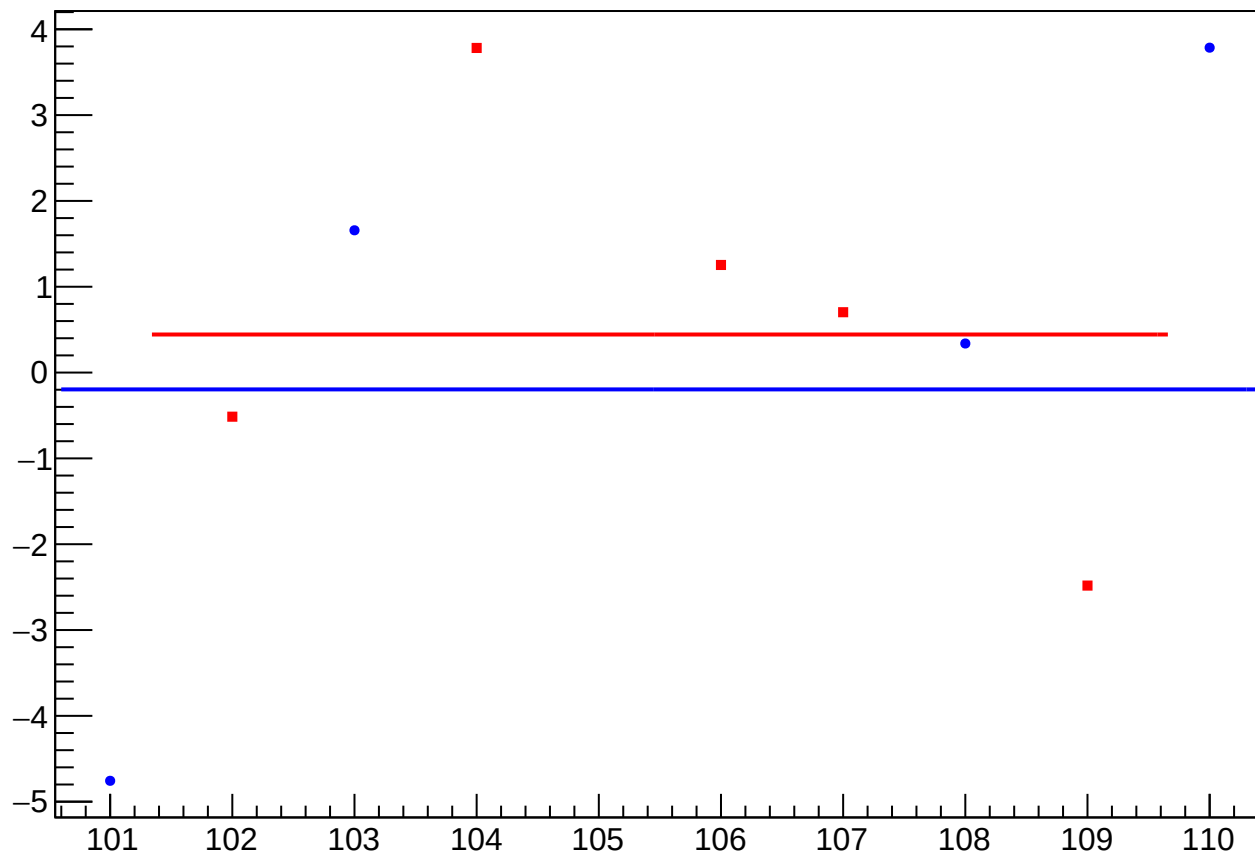
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

dit\_4eX\_coil6\_mean vs Slug, Sign Corrected



Right In: -0.196+/-0.000  $\chi^2/\text{NDF}$ : 1995720914938767201395920072605696.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.443+/-0.000  $\chi^2/\text{NDF}$ : 1081049221641748233615073064517632.0/4

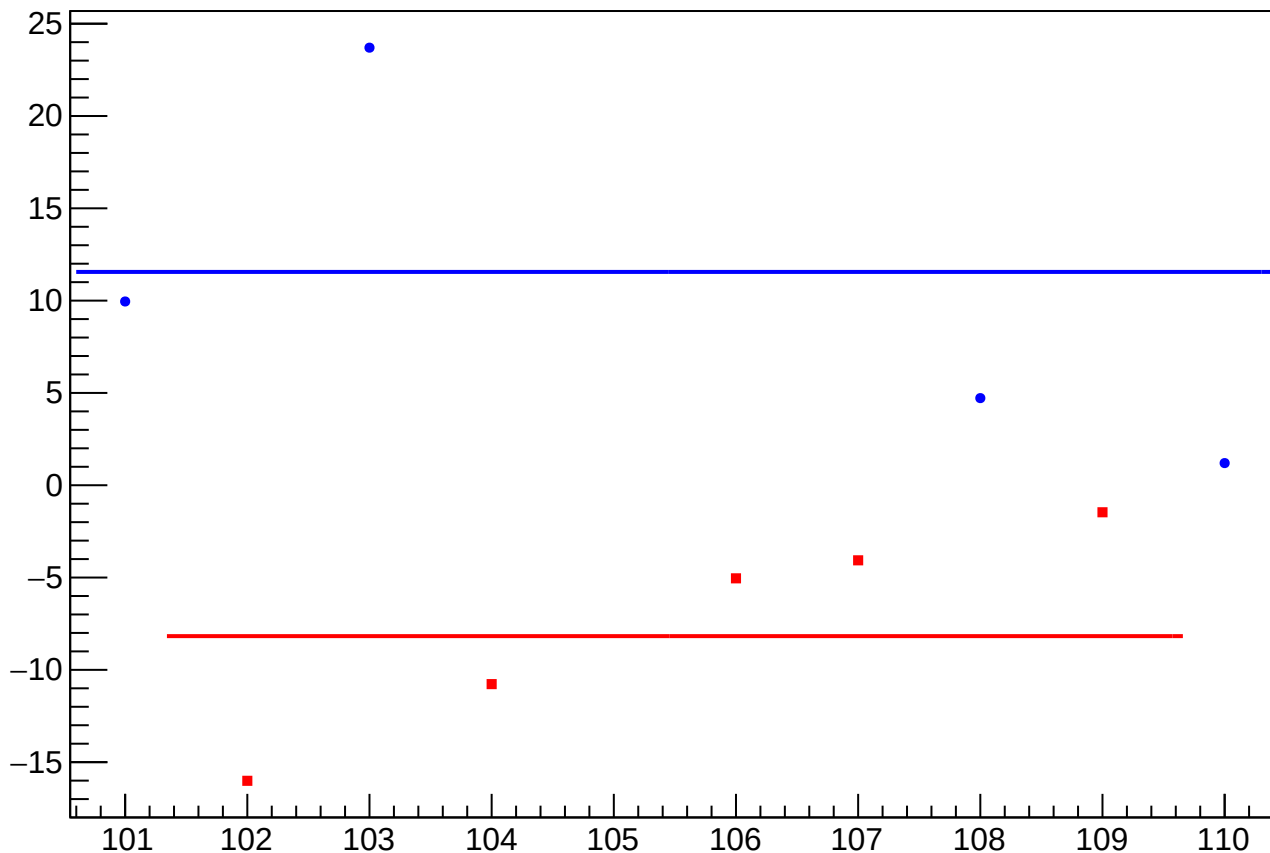
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.196+/-0.000  $\chi^2/\text{NDF}$ : 199572091493876720

0.151+/-0.000  $\chi^2/\text{NDF}$ : 31192121768450

0.443+/-0.000  $\chi^2/\text{NDF}$ : 1081049221641748233

# dit\_4eX\_coil6\_err\_mean vs Slug, Sign Corrected



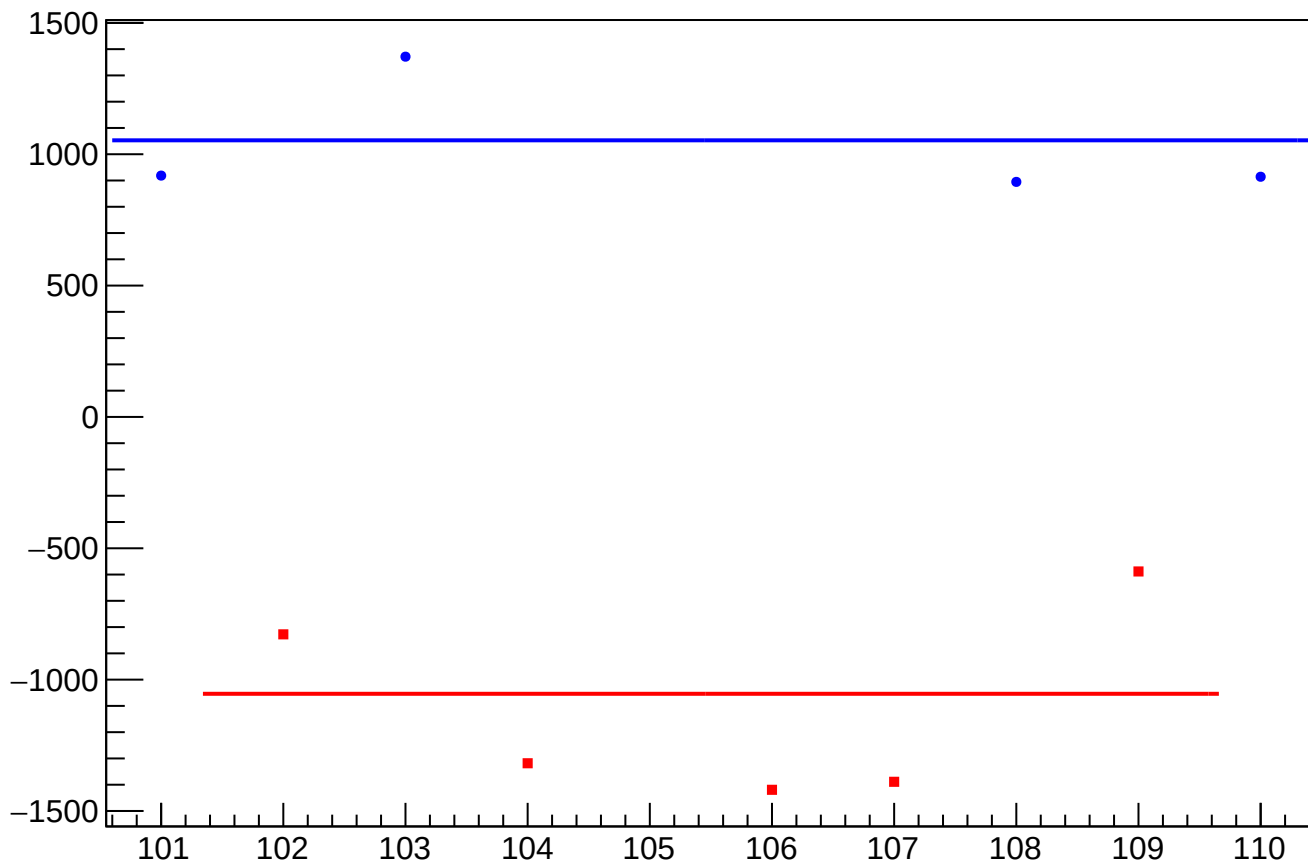
Right In: 11.555+/-0.000  $\chi^2/\text{NDF}$ : 14384686542543209737997034589257728.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -8.173+/-0.000  $\chi^2/\text{NDF}$ : 7112544407228778732990324516323328.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

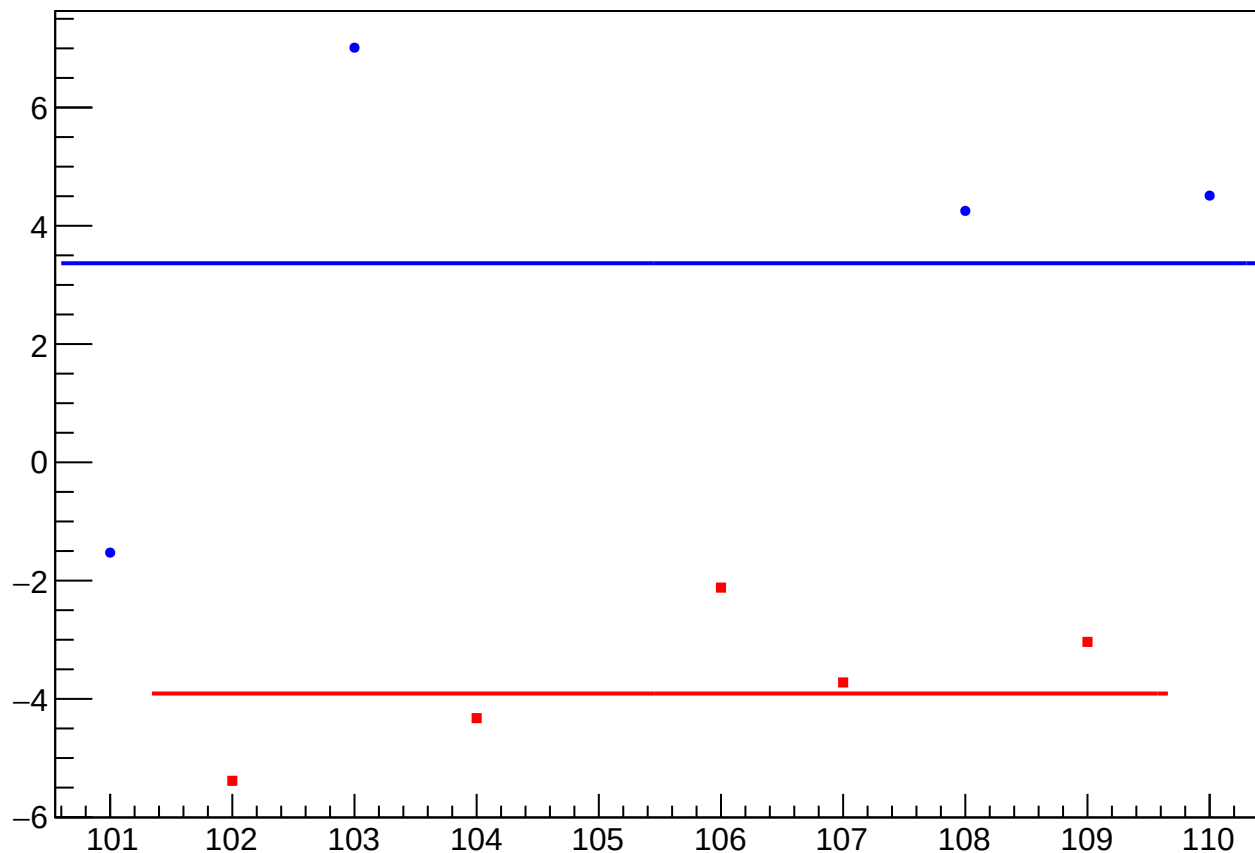
1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043



# dit\_11X12X\_coil6\_mean vs Slug, Sign Corrected



Right In: 3.367+/-0.000  $\chi^2/\text{NDF}$ : 2272289847150874958179048009760768.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.909+/-0.000  $\chi^2/\text{NDF}$ : 274726342003143604838513325899776.0/4

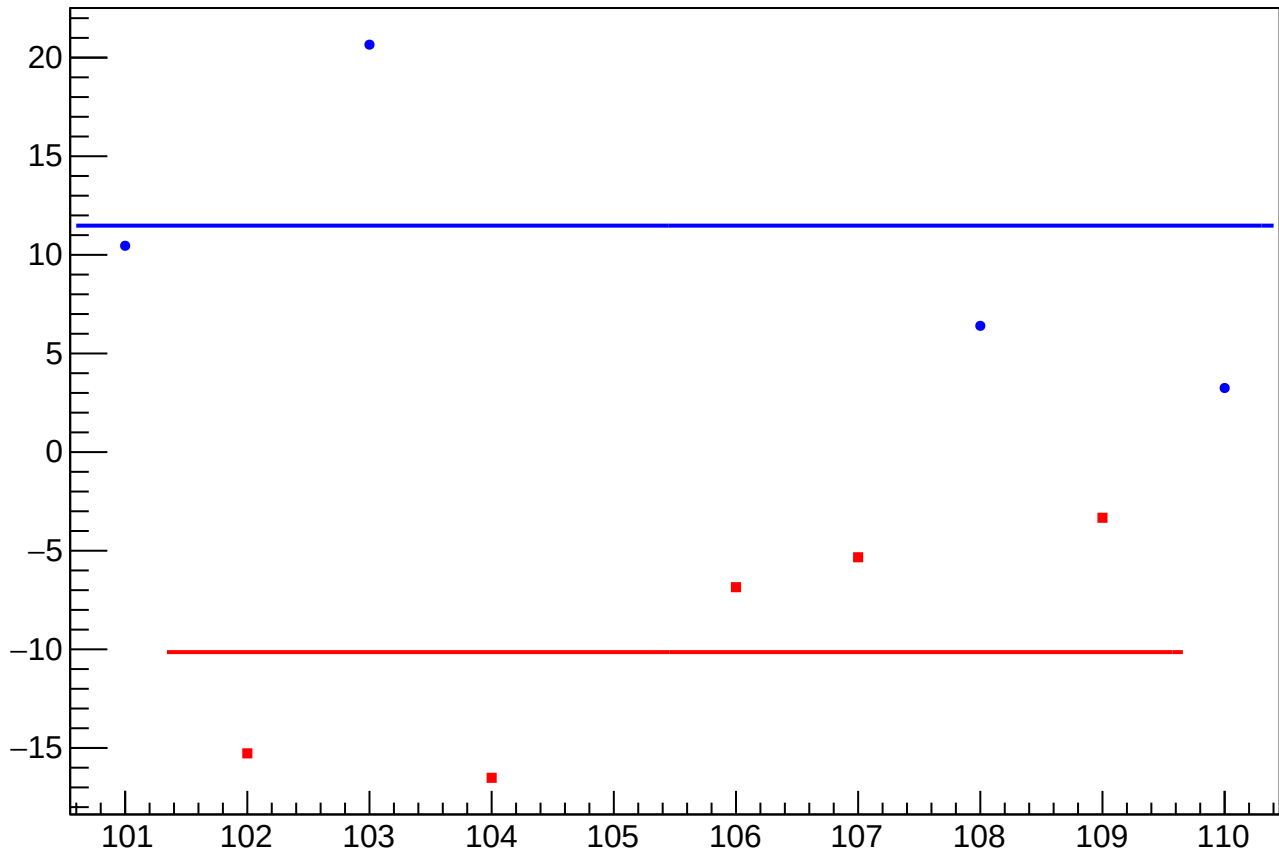
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.367+/-0.000  $\chi^2/\text{NDF}$ : 2272289847150874958

-0.585+/-0.000  $\chi^2/\text{NDF}$ : 8038183855886

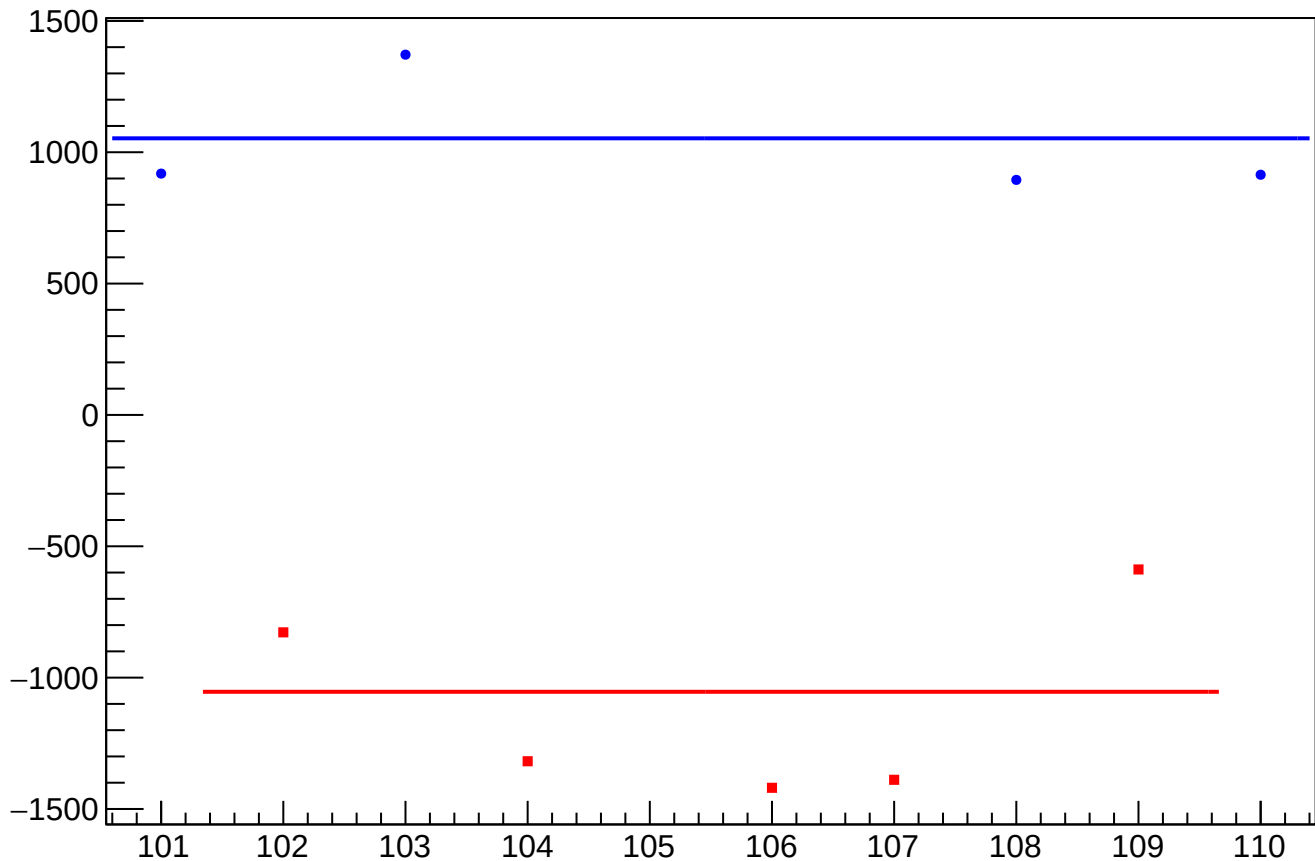
-3.909+/-0.000  $\chi^2/\text{NDF}$ : 274726342003143604

dit\_11X12X\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 11.482 $\pm$ 0.000  $\chi^2$ /NDF: 8379589786868904421740616576139264.0/3  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -10.141 $\pm$ 0.000  $\chi^2$ /NDF: 7133564931542654754482422875684864.0/4  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

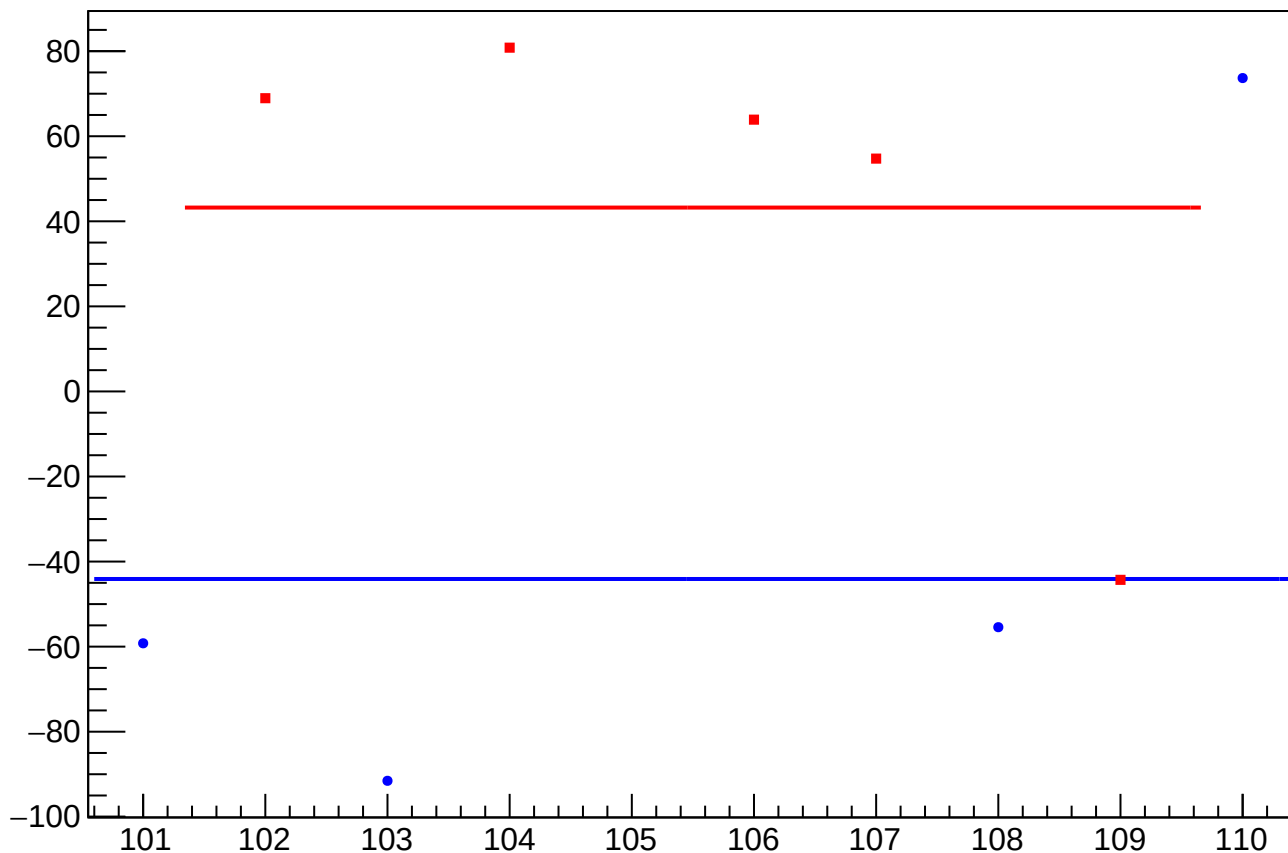
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

dit\_4aY\_coil6\_mean vs Slug, Sign Corrected



Right In: -44.096+/-0.000  $\chi^2/\text{NDF}$ : 636662865289661636957115097295093760.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 43.229+/-0.000  $\chi^2/\text{NDF}$ : 519139719924424357367275948091637760.0/4

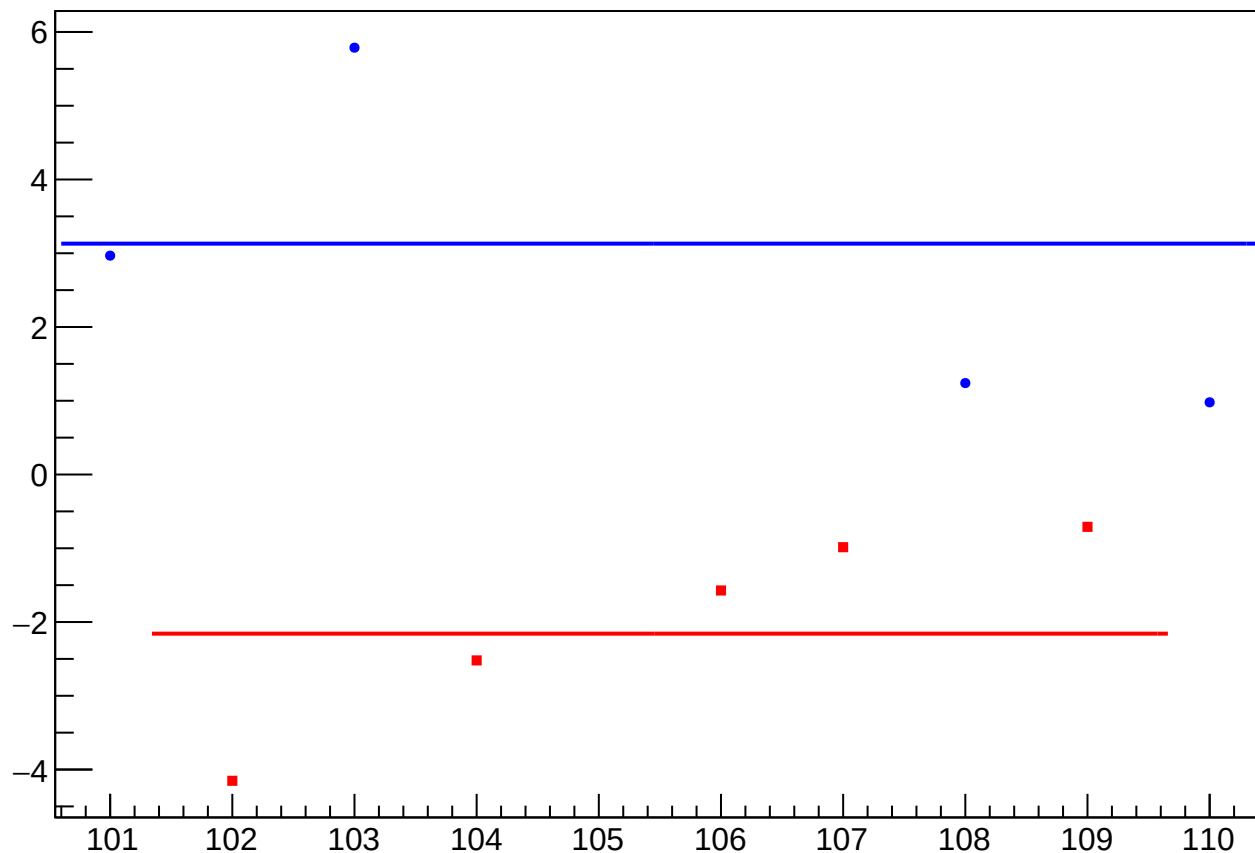
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-44.096+/-0.000  $\chi^2/\text{NDF}$ : 63666286528966163

3.327+/-0.000  $\chi^2/\text{NDF}$ : 19467797394559

43.229+/-0.000  $\chi^2/\text{NDF}$ : 51913971992442435

dit\_4aY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 3.130+/-0.000  $\chi^2/\text{NDF}$ : 715851483316187003551934488510464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.158+/-0.000  $\chi^2/\text{NDF}$ : 404601500983173706362579018842112.0/4

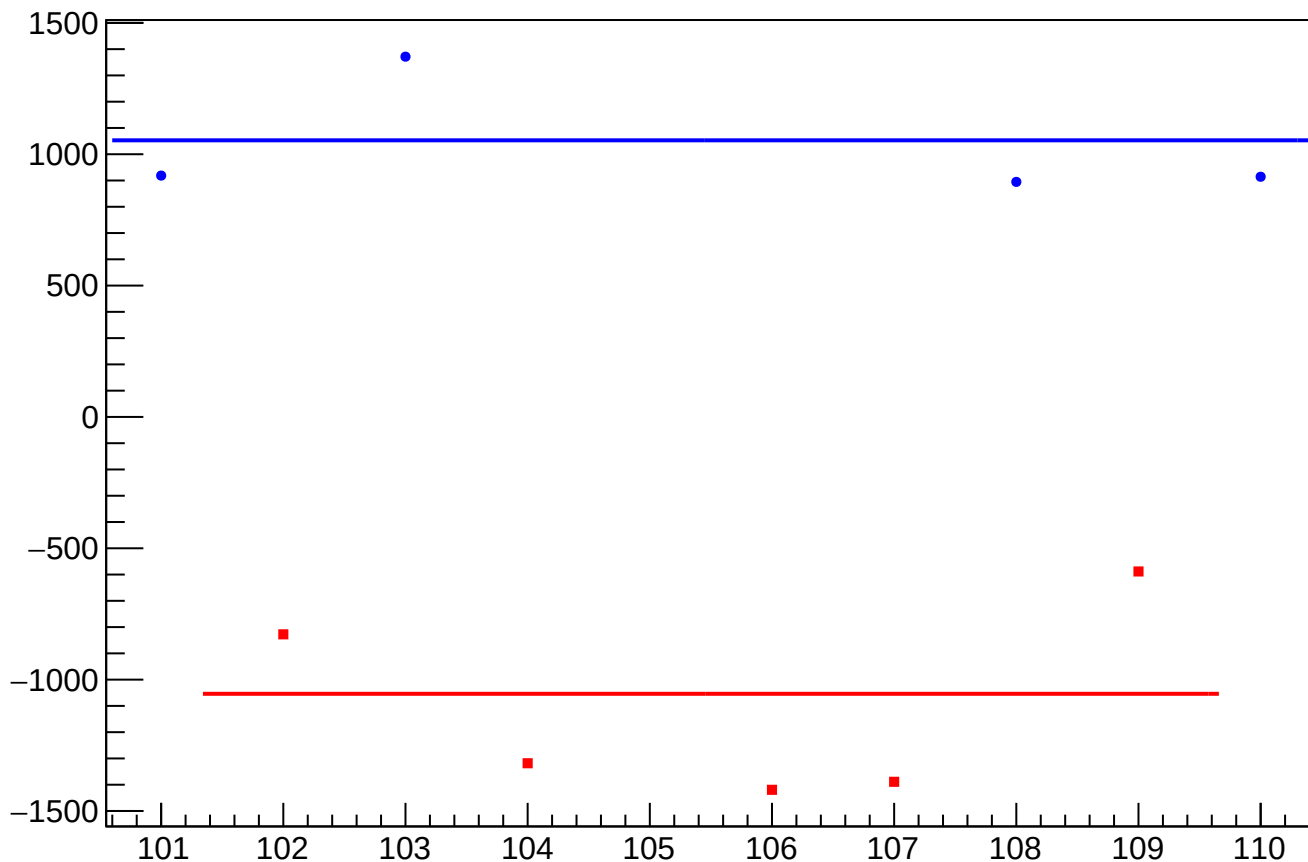
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.130+/-0.000  $\chi^2/\text{NDF}$ : 715851483316187003551934488510464.0/3

0.259+/-0.000  $\chi^2/\text{NDF}$ : 40210078570051

-2.158+/-0.000  $\chi^2/\text{NDF}$ : 404601500983173706362579018842112.0/4

dit\_4aY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



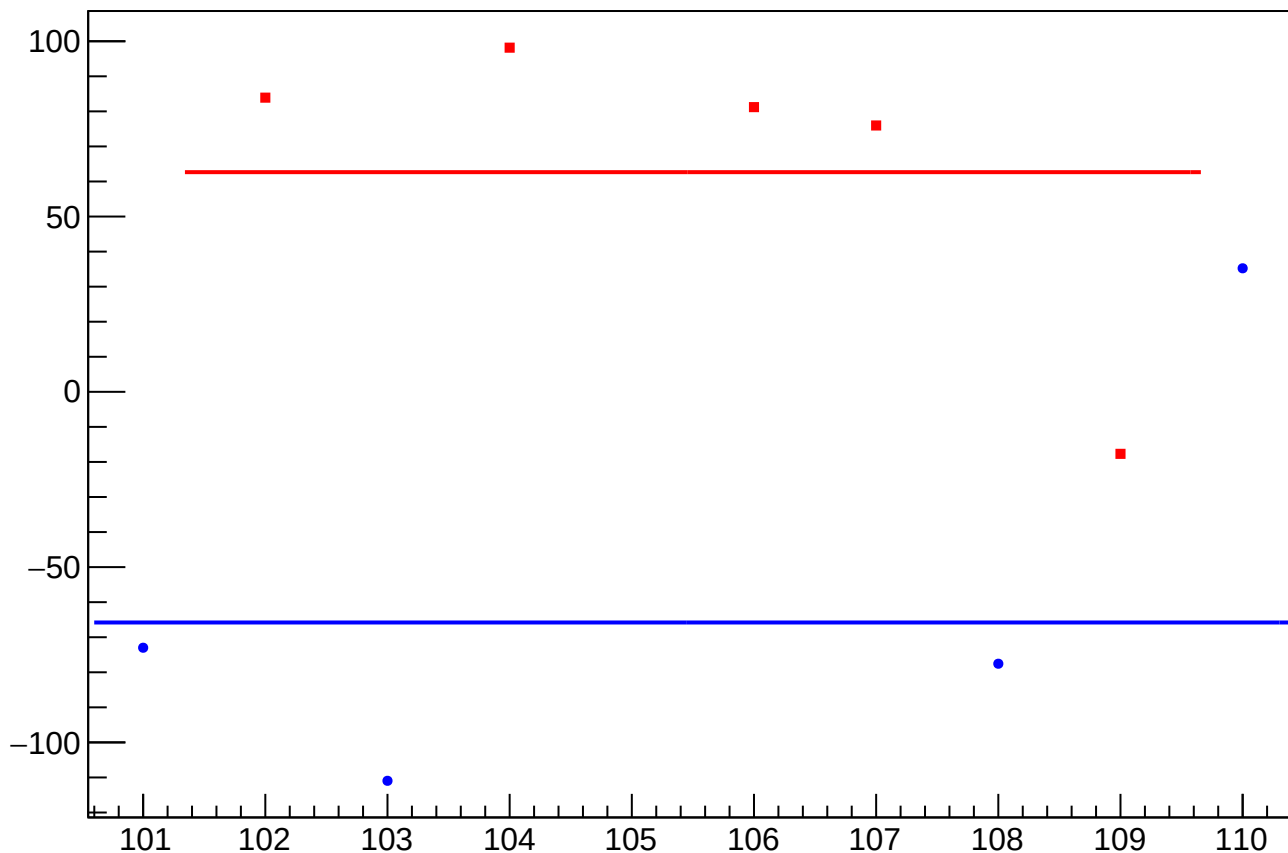
Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil6\_mean vs Slug, Sign Corrected



Right In: -65.795+/-0.000  $\chi^2/\text{NDF}$ : 485904192096631217811539709868900352.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 62.661+/-0.000  $\chi^2/\text{NDF}$ : 436817251118030123012195373044203520.0/4

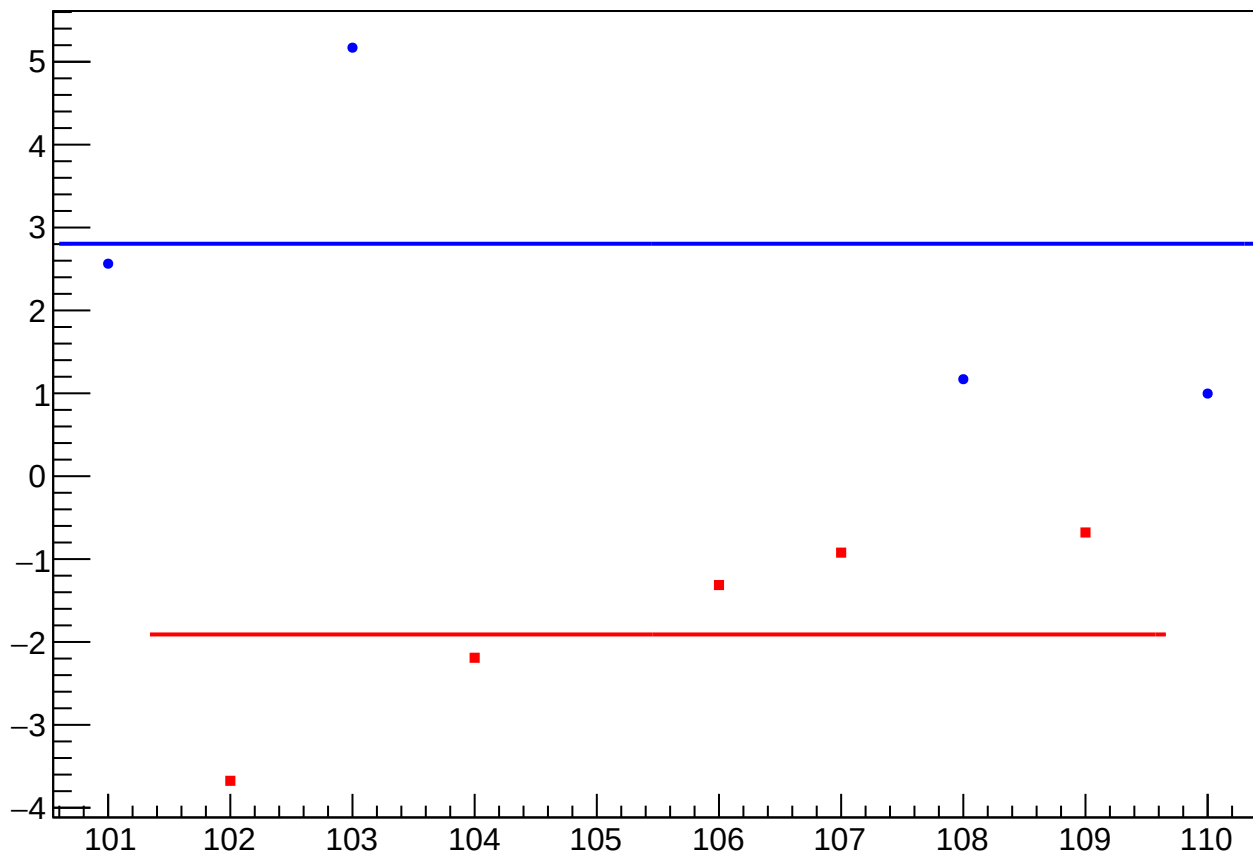
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-65.795+/-0.000  $\chi^2/\text{NDF}$ : 485904192096631217811539709868900352.0/3

3.965+/-0.000  $\chi^2/\text{NDF}$ : 26342766119495.0/3

62.661+/-0.000  $\chi^2/\text{NDF}$ : 436817251118030123012195373044203520.0/4

dit\_4eY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 2.804+/-0.000  $\chi^2/\text{NDF}$ : 549412287189445672380877749878784.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.909+/-0.000  $\chi^2/\text{NDF}$ : 308117357434082054113514506682368.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

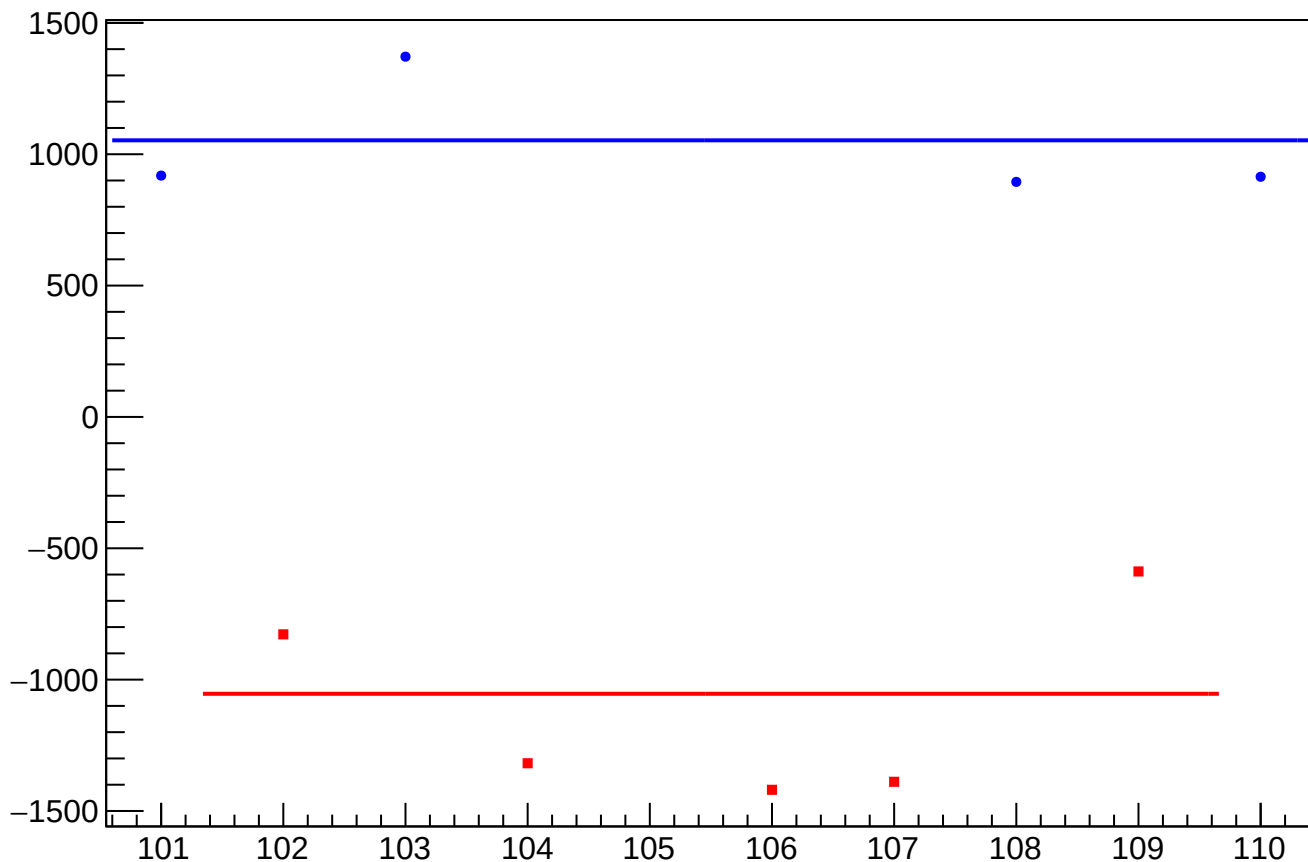
2.804+/-0.000  $\chi^2/\text{NDF}$ : 549412287189445672380877749878784.0/3

0.245+/-0.000  $\chi^2/\text{NDF}$ : 31621858019190

-1.909+/-0.000  $\chi^2/\text{NDF}$ : 308117357434082054113514506682368.0/4



dit\_4eY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

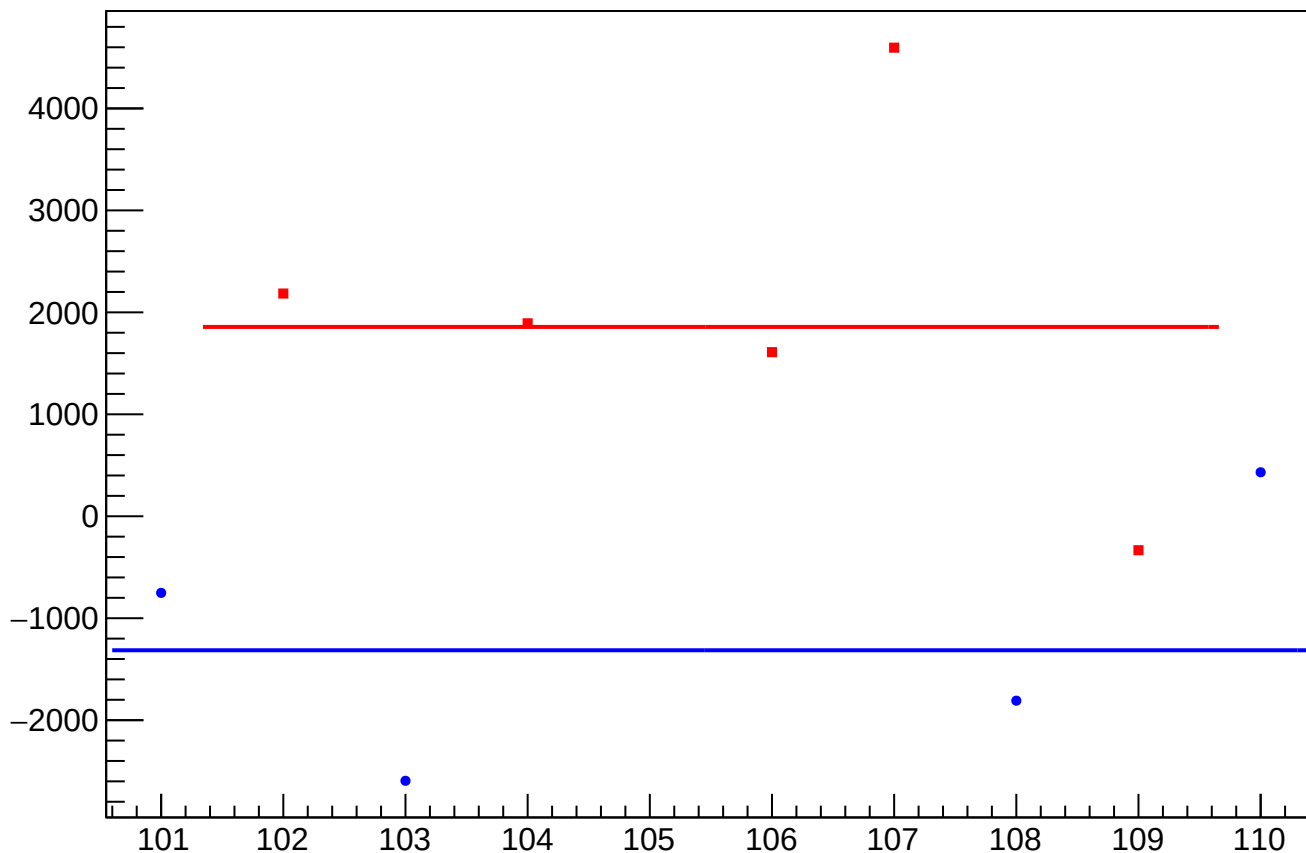
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

# dit\_usl\_coil6\_mean vs Slug, Sign Corrected



Right In: -1314.366+/-0.000  $\chi^2/\text{NDF}$ : 231373657400002808239879954042311409664.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1857.163+/-0.000  $\chi^2/\text{NDF}$ : 522860916080770572145272557890179170304.0/4

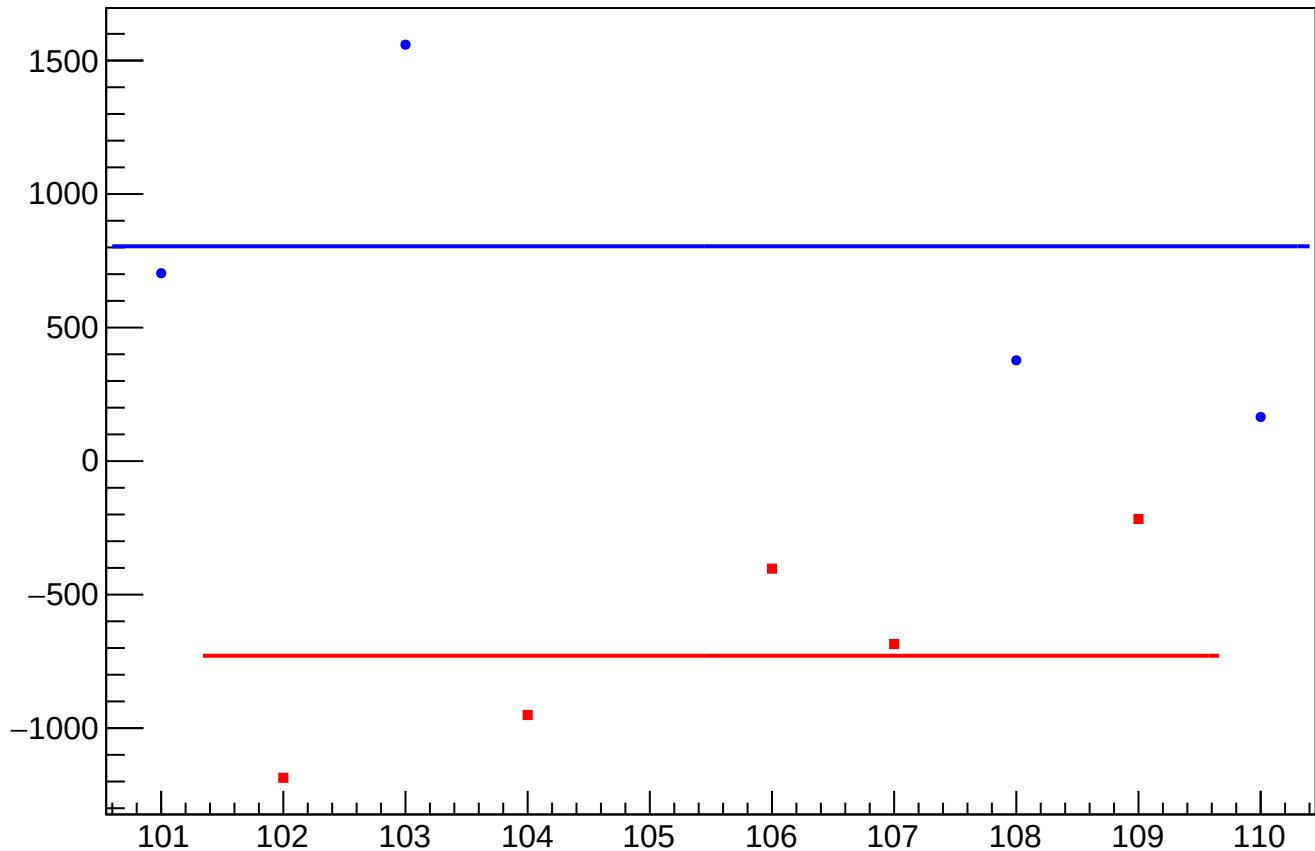
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1314.366+/-0.000  $\chi^2/\text{NDF}$ : 231373657400002

407.971+/-0.000  $\chi^2/\text{NDF}$ : 179756106641

1857.163+/-0.000  $\chi^2/\text{NDF}$ : 5228609160807705

# dit\_usl\_coil6\_err\_mean vs Slug, Sign Corrected



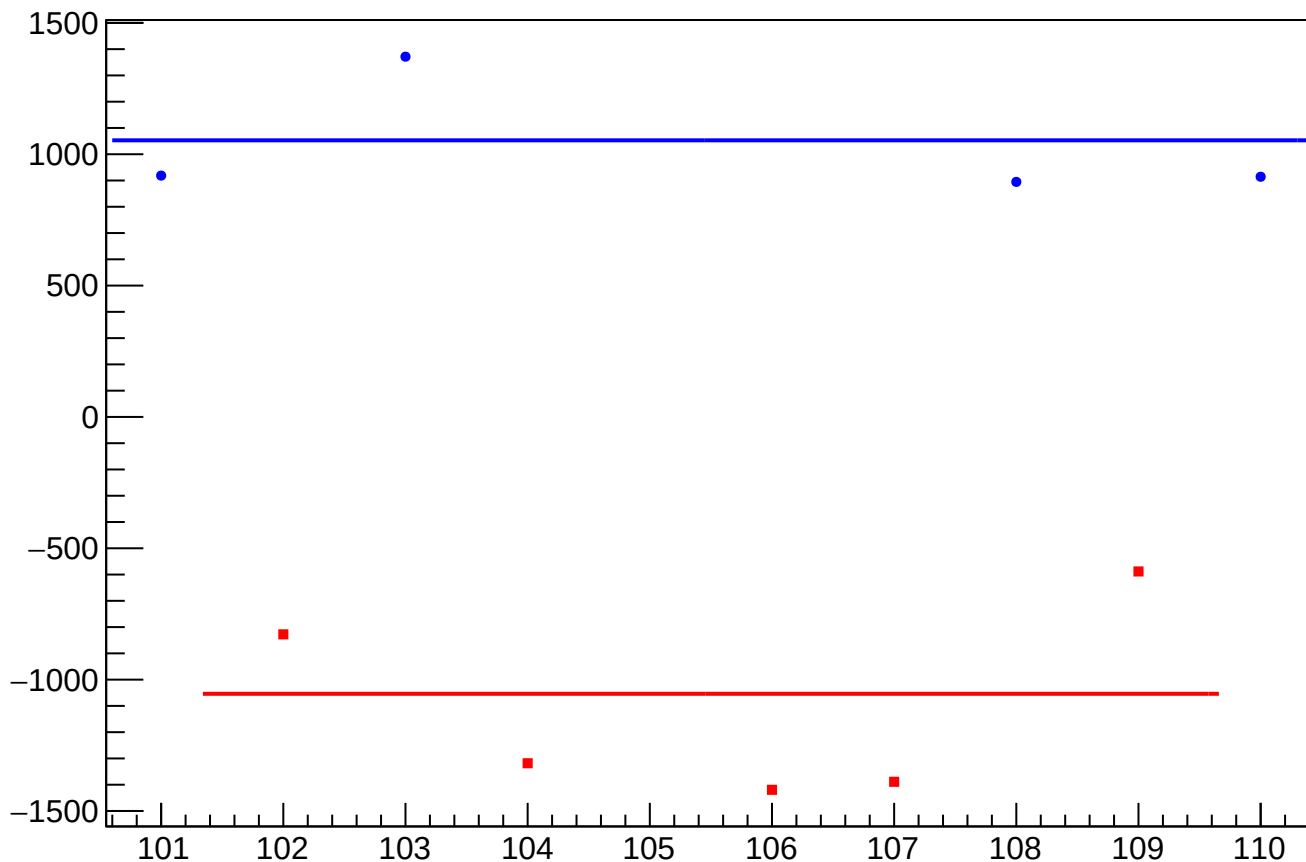
Right In: 804.382+/-0.000  $\chi^2/\text{NDF}$ : 55465216998762255360908261760002162688.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -728.999+/-0.000  $\chi^2/\text{NDF}$ : 31380459385325353274826084869205917696.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

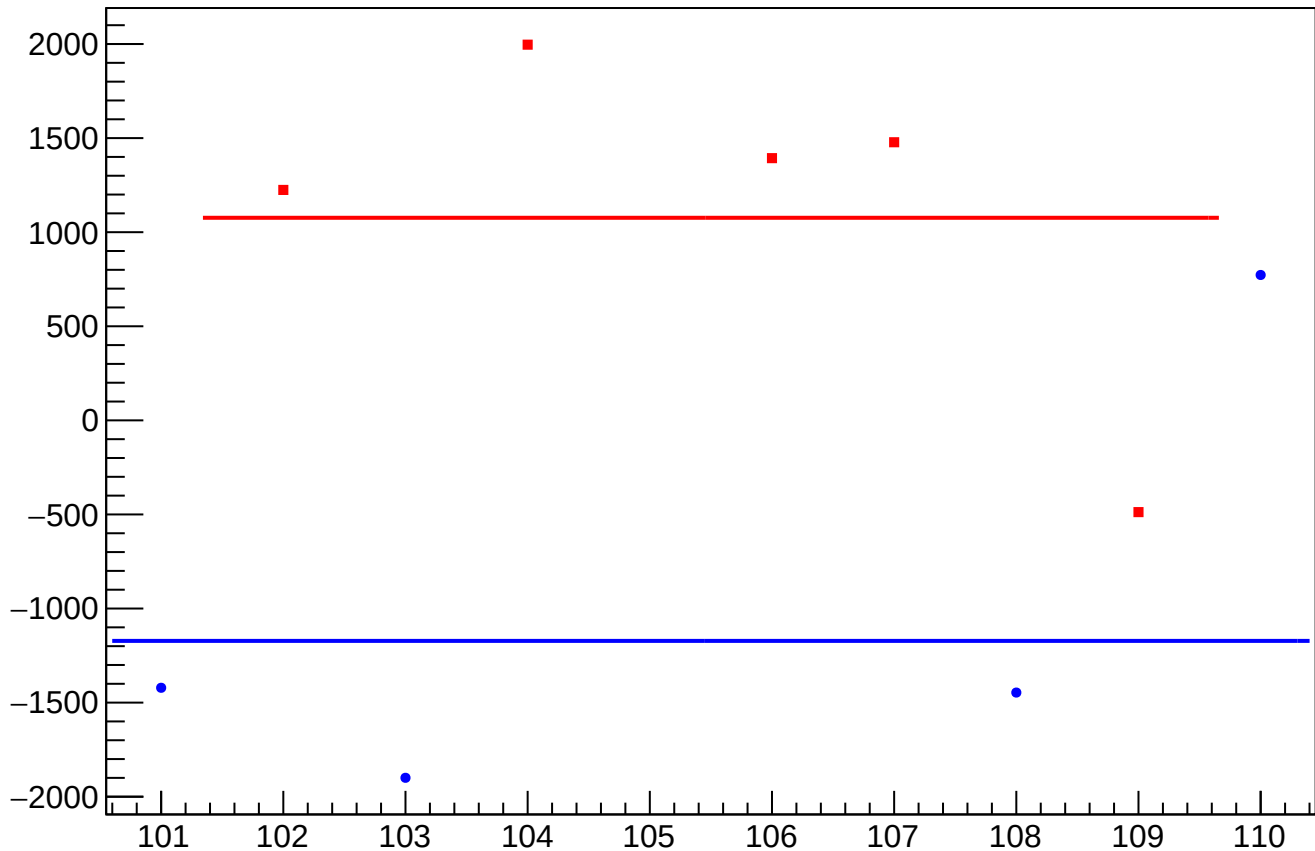
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

# dit\_usr\_coil6\_mean vs Slug, Sign Corrected



Right In: -1171.998 $\pm$ 0.000  $\chi^2$ /NDF: 170120231902235688766991739966986387456.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-1171.998 $\pm$ 0.000  $\chi^2$ /NDF: 170120231902235

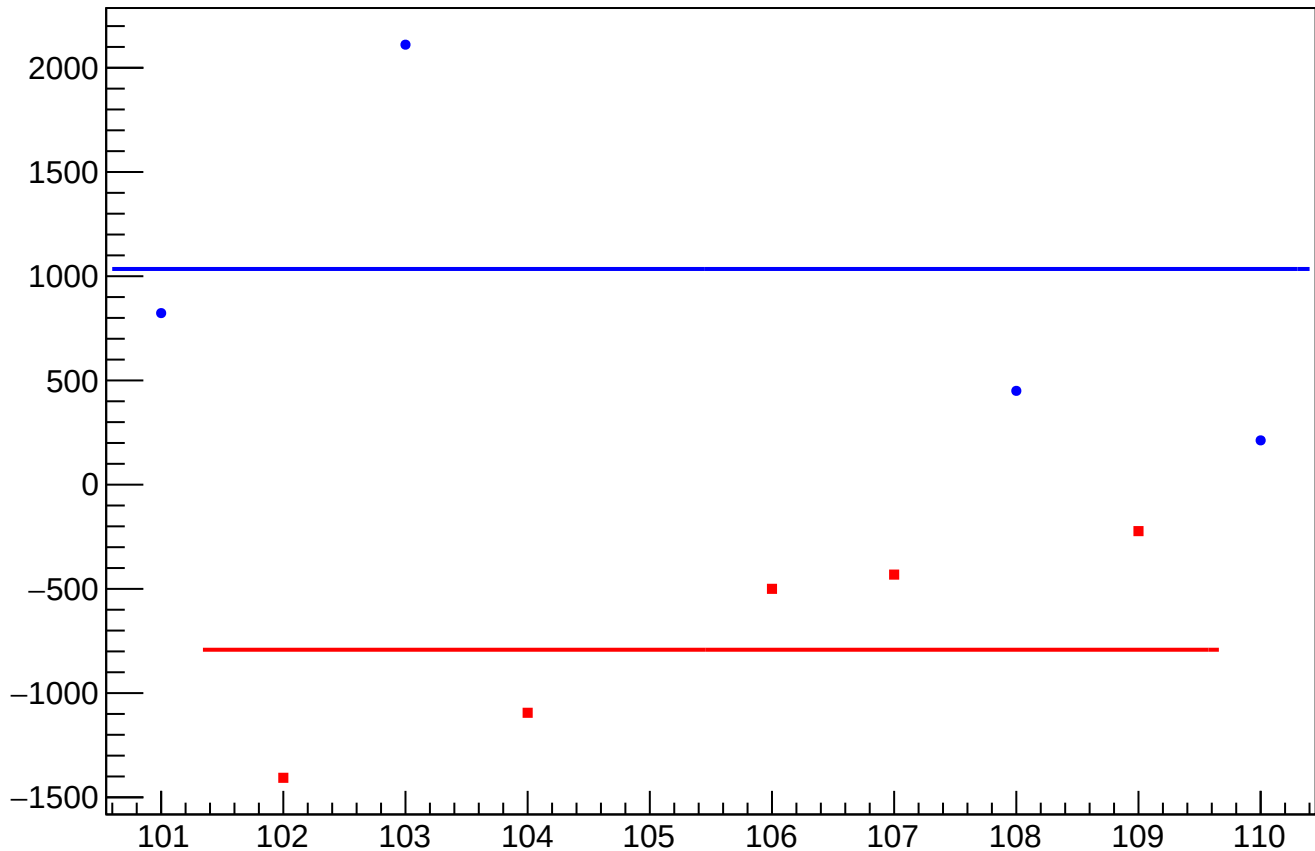
49.123 $\pm$ 0.000  $\chi^2$ /NDF: 8726957347143

Right Out: 1076.586 $\pm$ 0.000  $\chi^2$ /NDF: 178129073112315764866714319437883768832.0/4

1076.586 $\pm$ 0.000  $\chi^2$ /NDF: 1781290731123157

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usr\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1034.775+/-0.000  $\chi^2/\text{NDF}$ : 107622449872168845524427895734926311424.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1034.775+/-0.000  $\chi^2/\text{NDF}$ : 1076224498721688

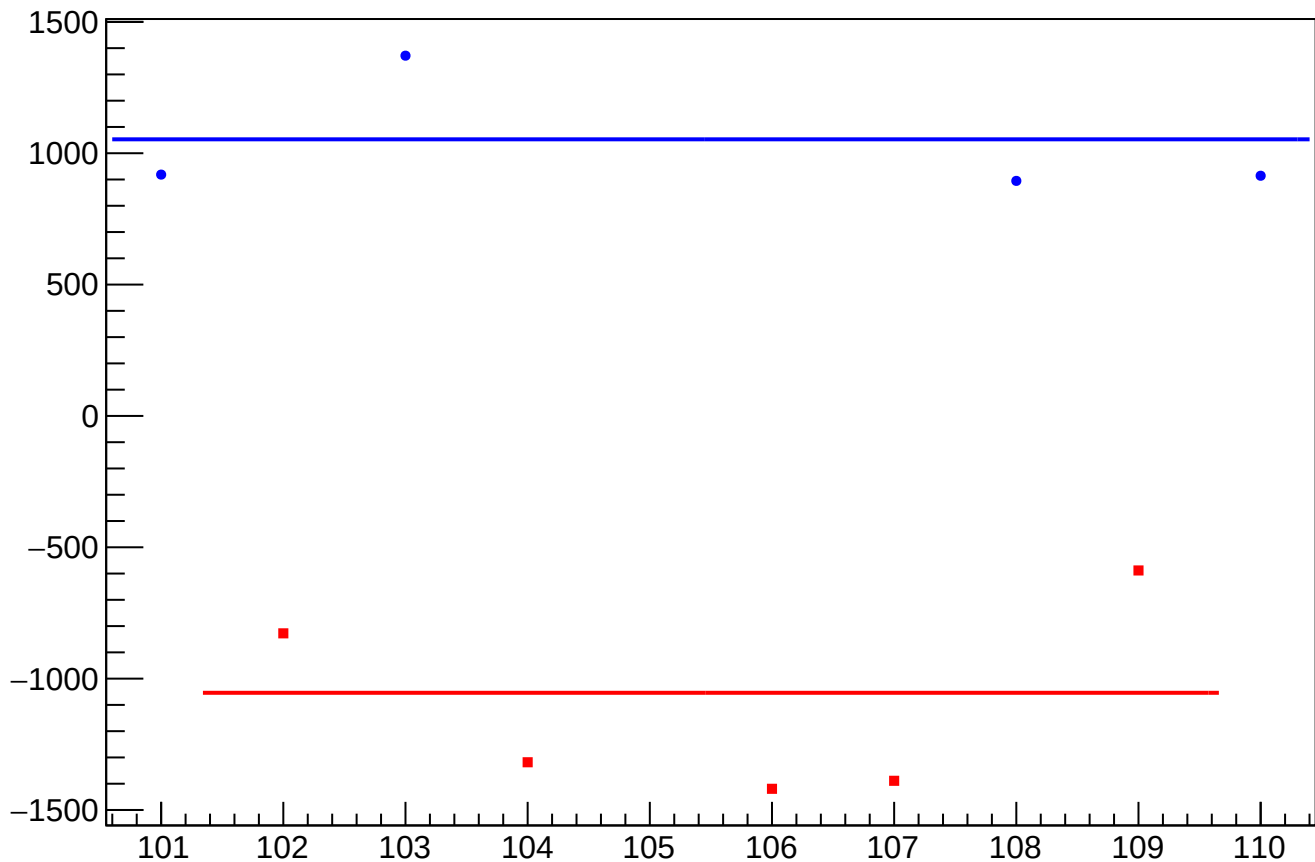
42.734+/-0.000  $\chi^2/\text{NDF}$ : 5041550384677

Right Out: -791.979+/-0.000  $\chi^2/\text{NDF}$ : 50399188246301334651859010306795634688.0/4

-791.979+/-0.000  $\chi^2/\text{NDF}$ : 5039918824630133

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

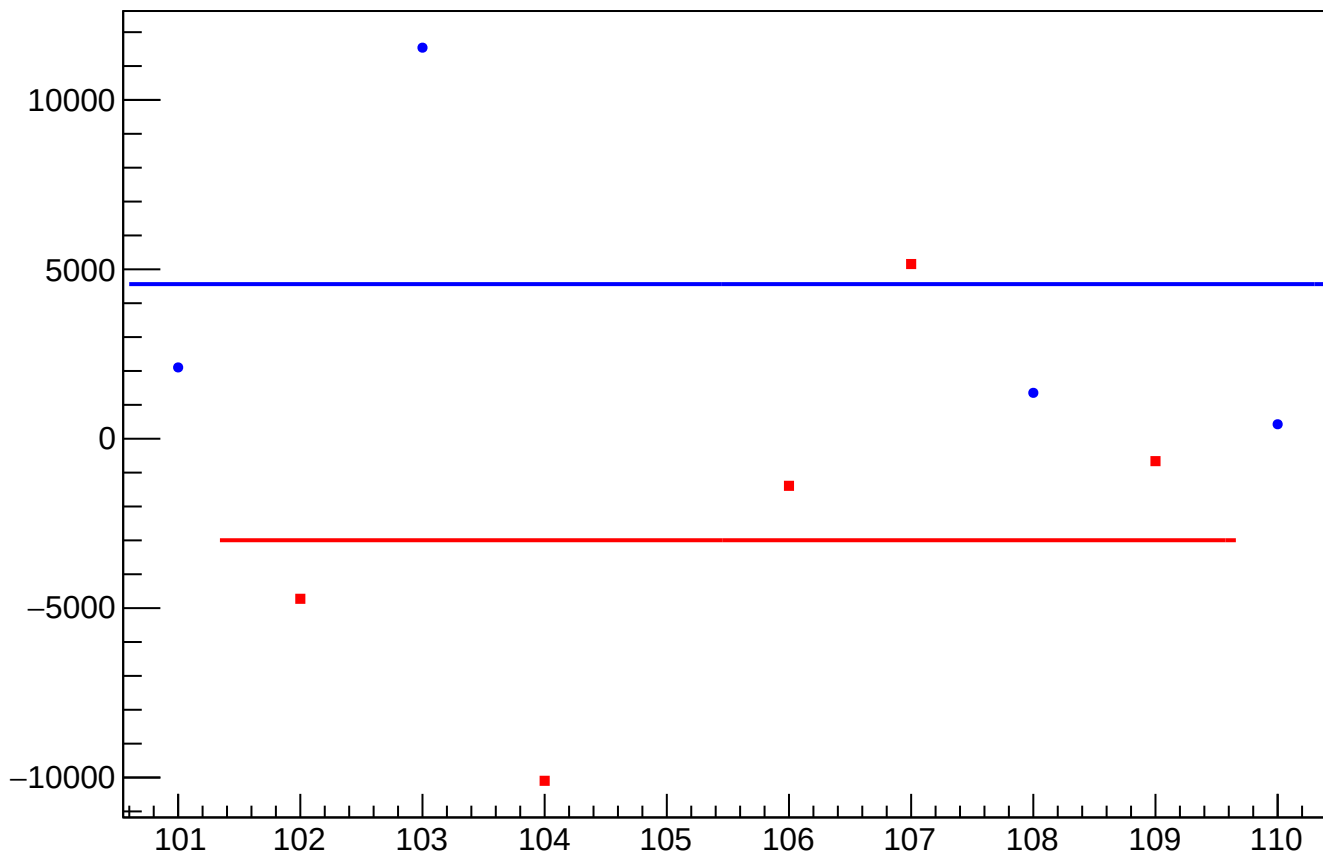
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

# dit\_atl1\_coil6\_mean vs Slug, Sign Corrected



Right In: 4563.363+/-0.000  $\chi^2/\text{NDF}$ : 4220420353347974438511139334540301959168.0/3

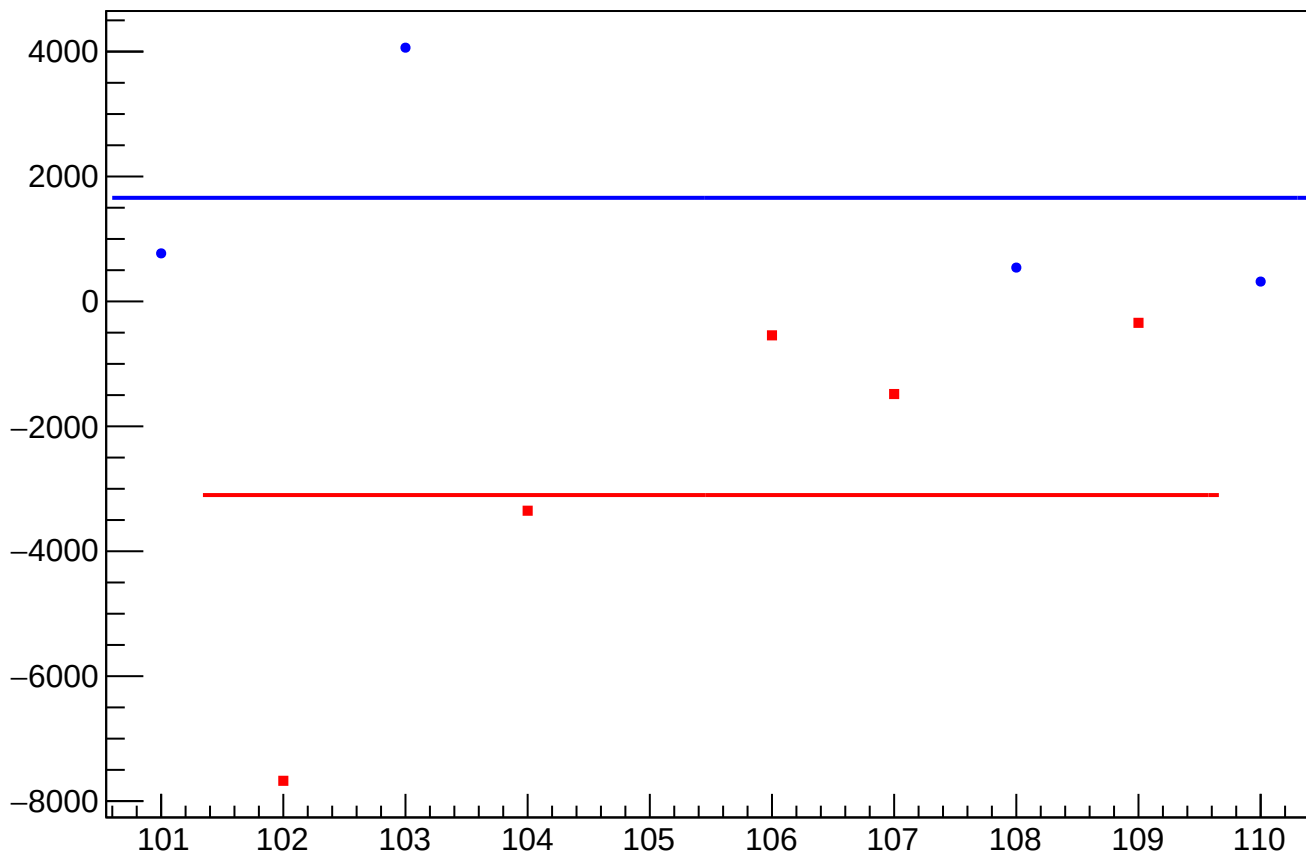
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2996.171+/-0.000  $\chi^2/\text{NDF}$ : 5494999335286263085415137387230837866496.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_atl1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1658.595+/-0.000  $\chi^2/\text{NDF}$ : 497945770618898730622785222951217135616.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3100.200+/-0.000  $\chi^2/\text{NDF}$ : 1901705243126424209641686636617132933120.0/4

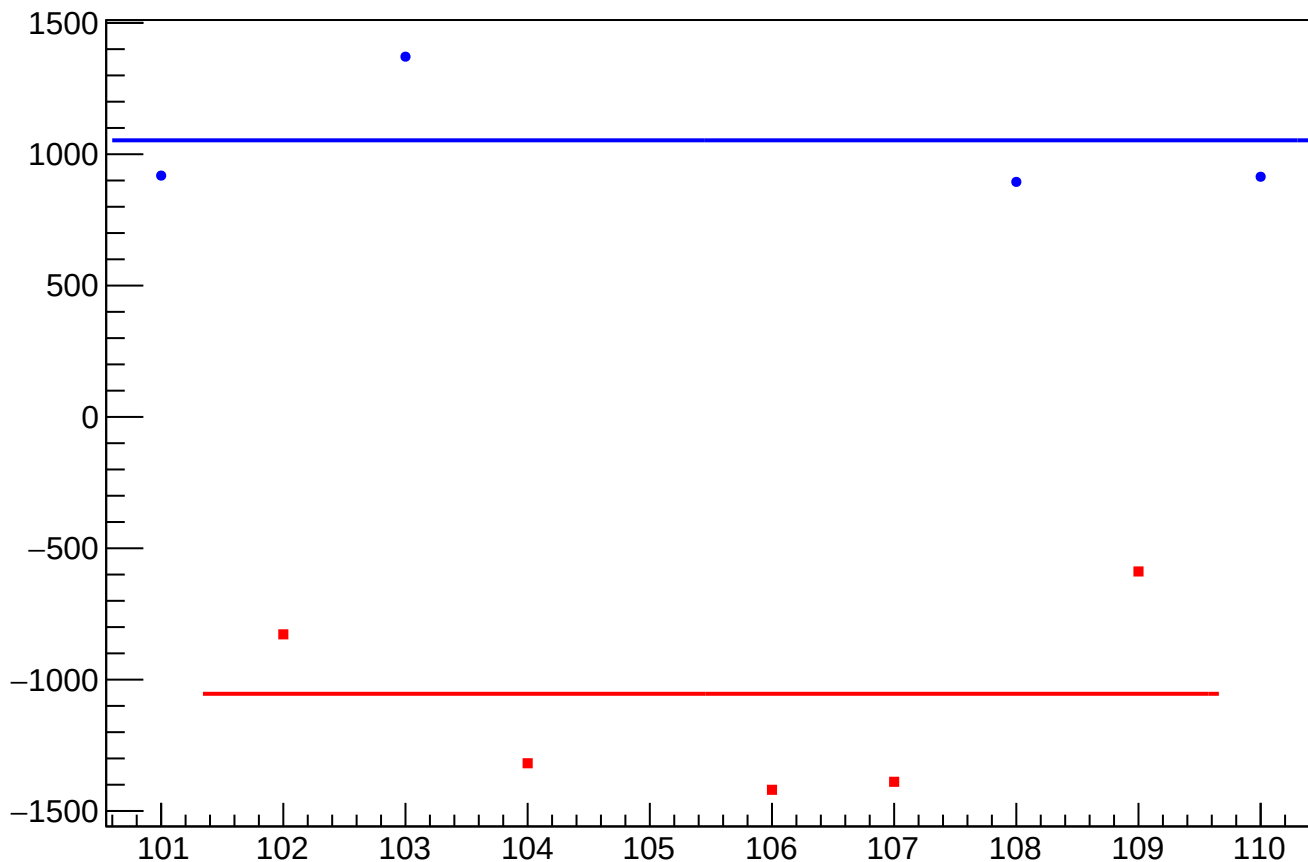
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1658.595+/-0.000  $\chi^2/\text{NDF}$ : 497945770618898730622785222951217135616.0/3

-925.727+/-0.000  $\chi^2/\text{NDF}$ : 474861726093120.0/4

-3100.200+/-0.000  $\chi^2/\text{NDF}$ : 1901705243126424209641686636617132933120.0/4

dit\_atl1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

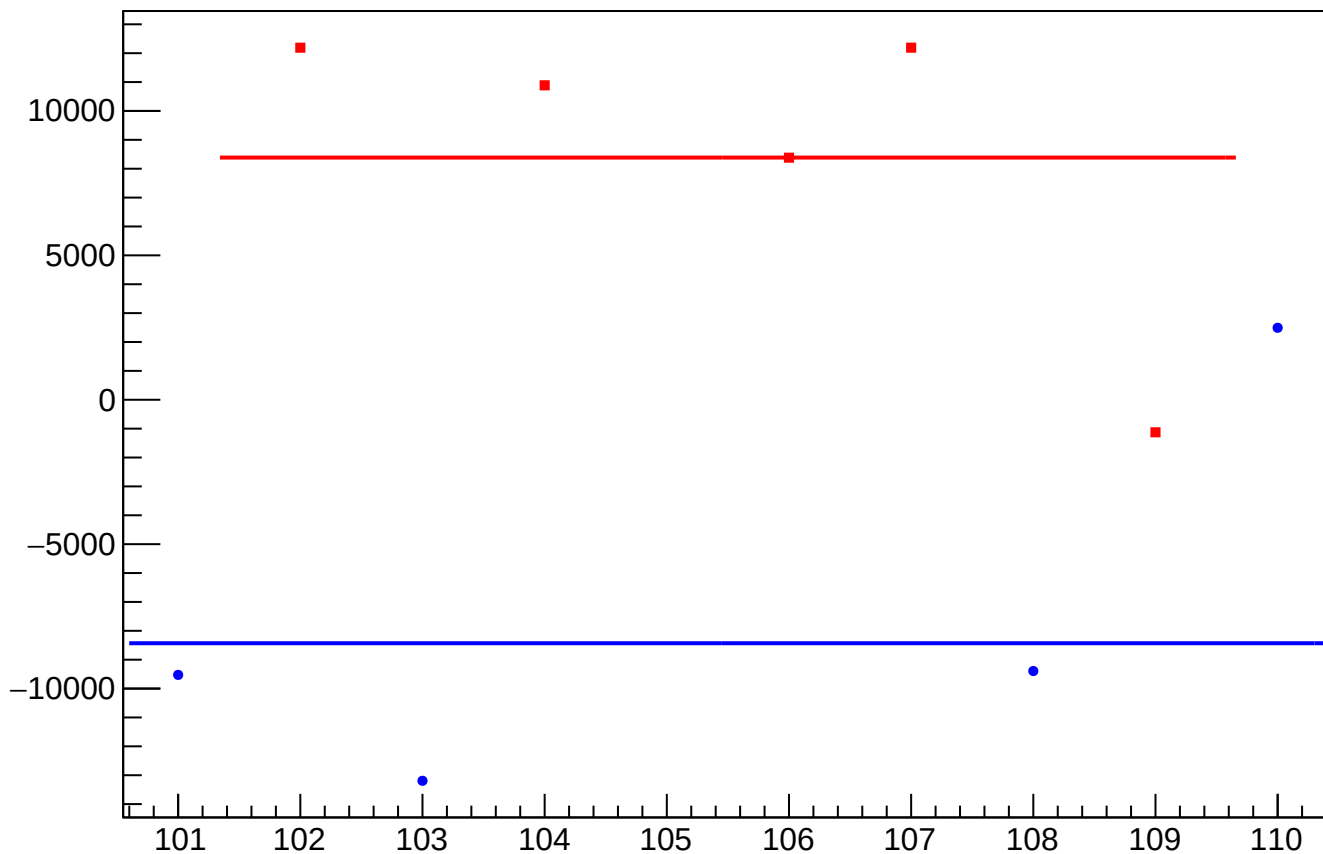
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

dit\_atl2\_coil6\_mean vs Slug, Sign Corrected



Right In: -8430.198+/-0.000  $\chi^2/\text{NDF}$ : 5619898819655198135559675826977713946624.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8385.705+/-0.000  $\chi^2/\text{NDF}$ : 6294729746181756789683086100081032560640.0/4

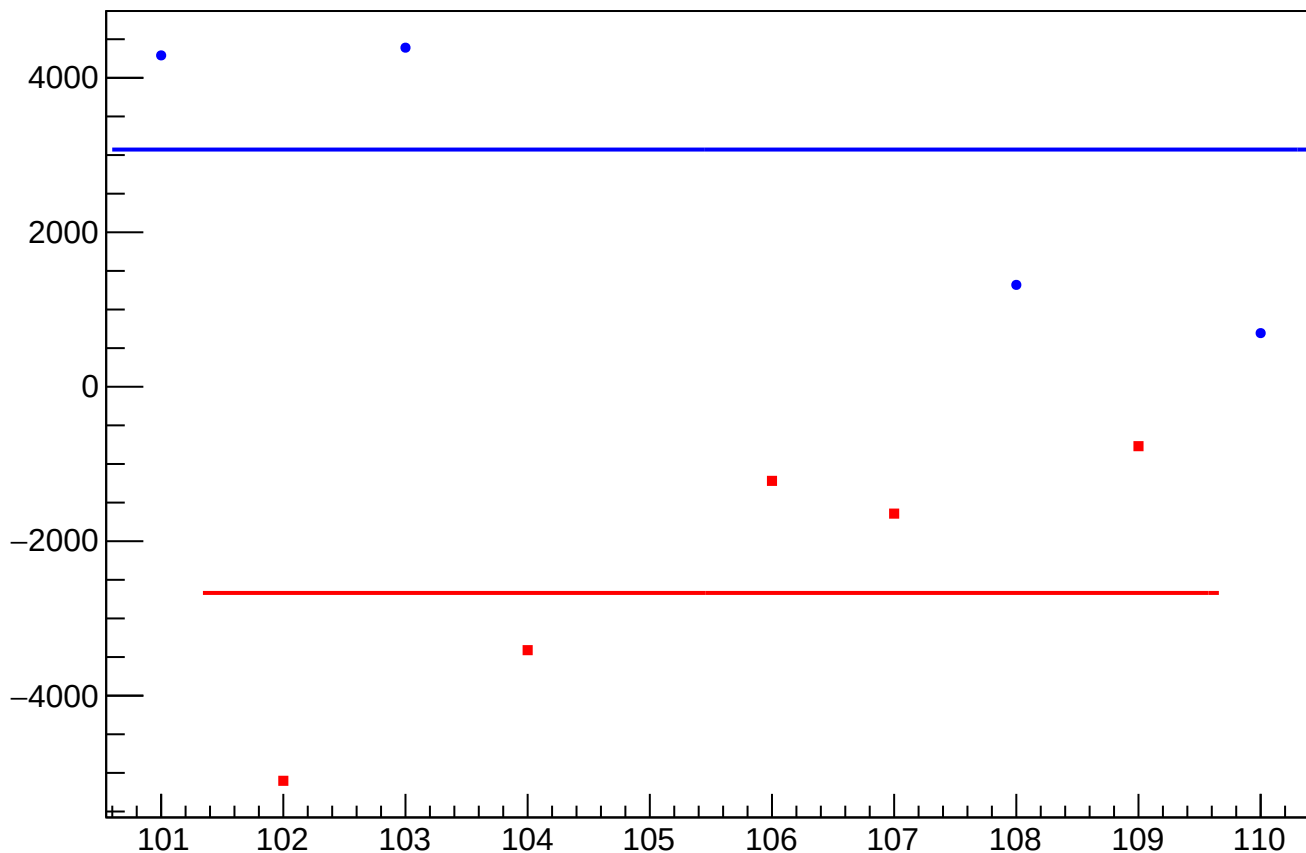
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-8430.198+/-0.000  $\chi^2/\text{NDF}$ : 561989881965519

701.883+/-0.000  $\chi^2/\text{NDF}$ : 412453915285

8385.705+/-0.000  $\chi^2/\text{NDF}$ : 6294729746181756

dit\_atl2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 3071.354+/-0.000  $\chi^2/\text{NDF}$ : 504793296234879247982846224857426821120.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2669.849+/-0.000  $\chi^2/\text{NDF}$ : 658618112228882722248650195327694929920.0/4

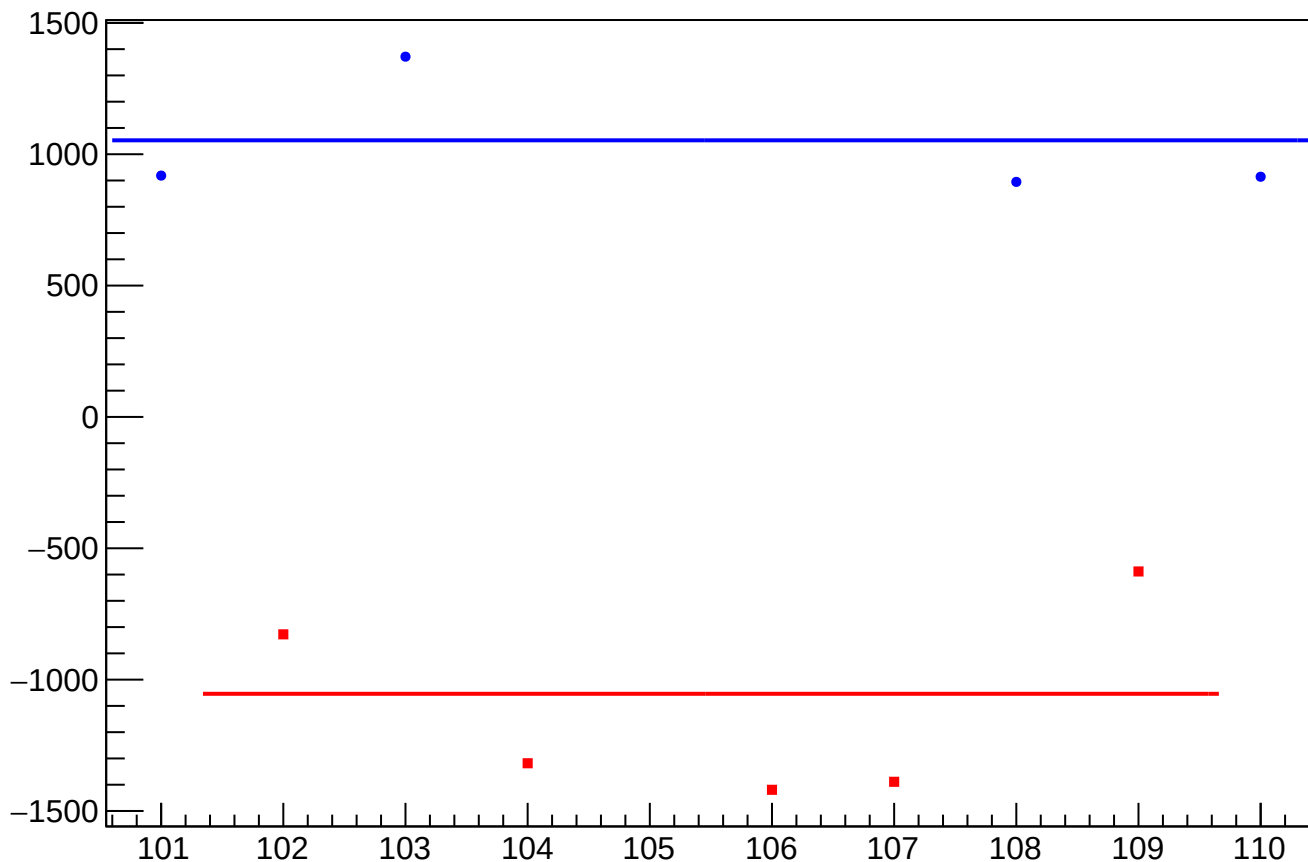
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3071.354+/-0.000  $\chi^2/\text{NDF}$ : 5047932962348792

-46.476+/-0.000  $\chi^2/\text{NDF}$ : 458233058051

-2669.849+/-0.000  $\chi^2/\text{NDF}$ : 658618112228882

dit\_atl2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



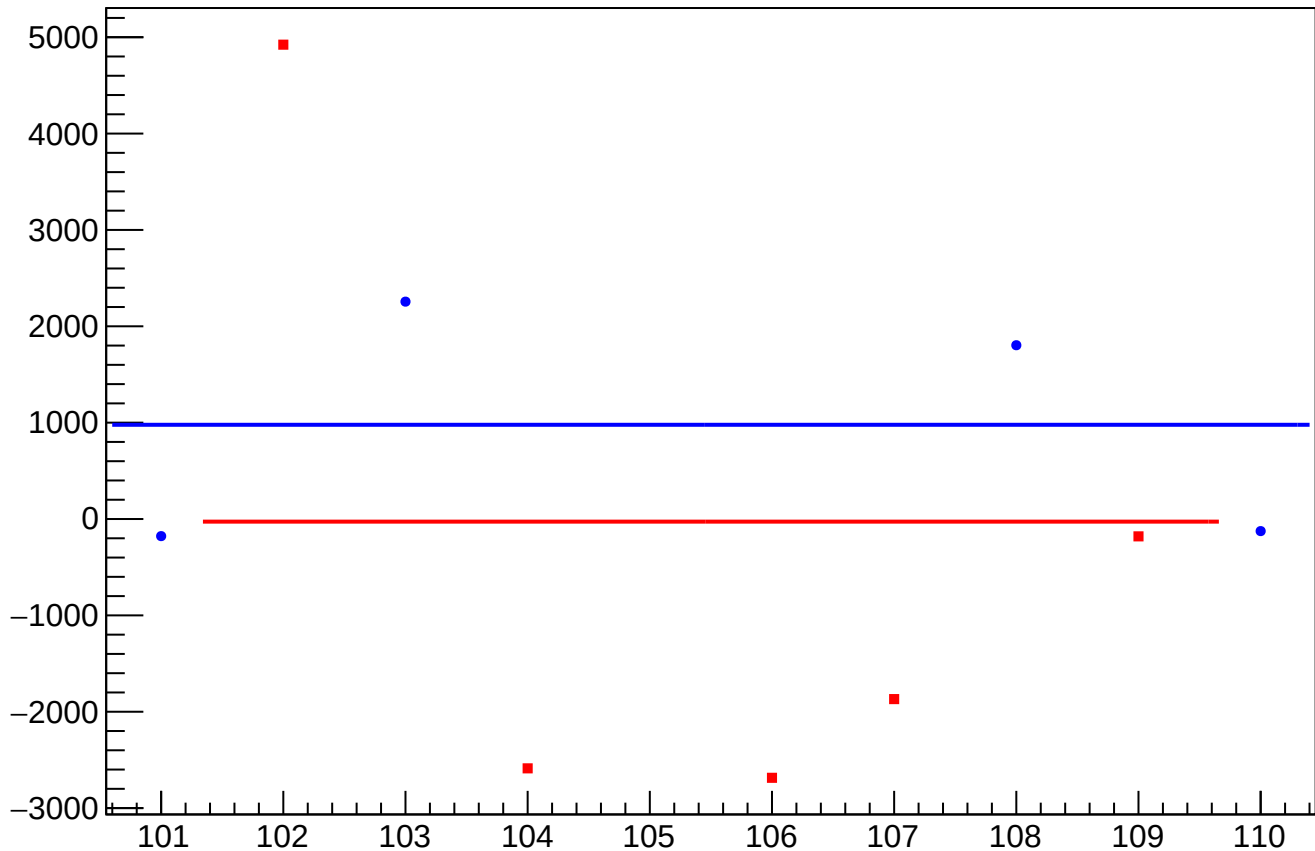
Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil6\_mean vs Slug, Sign Corrected



Right In: 977.866+/-0.000  $\chi^2/\text{NDF}$ : 243629695041204282628583209000329281536.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -27.136+/-0.000  $\chi^2/\text{NDF}$ : 2097688446387276707459660229370313703424.0/4

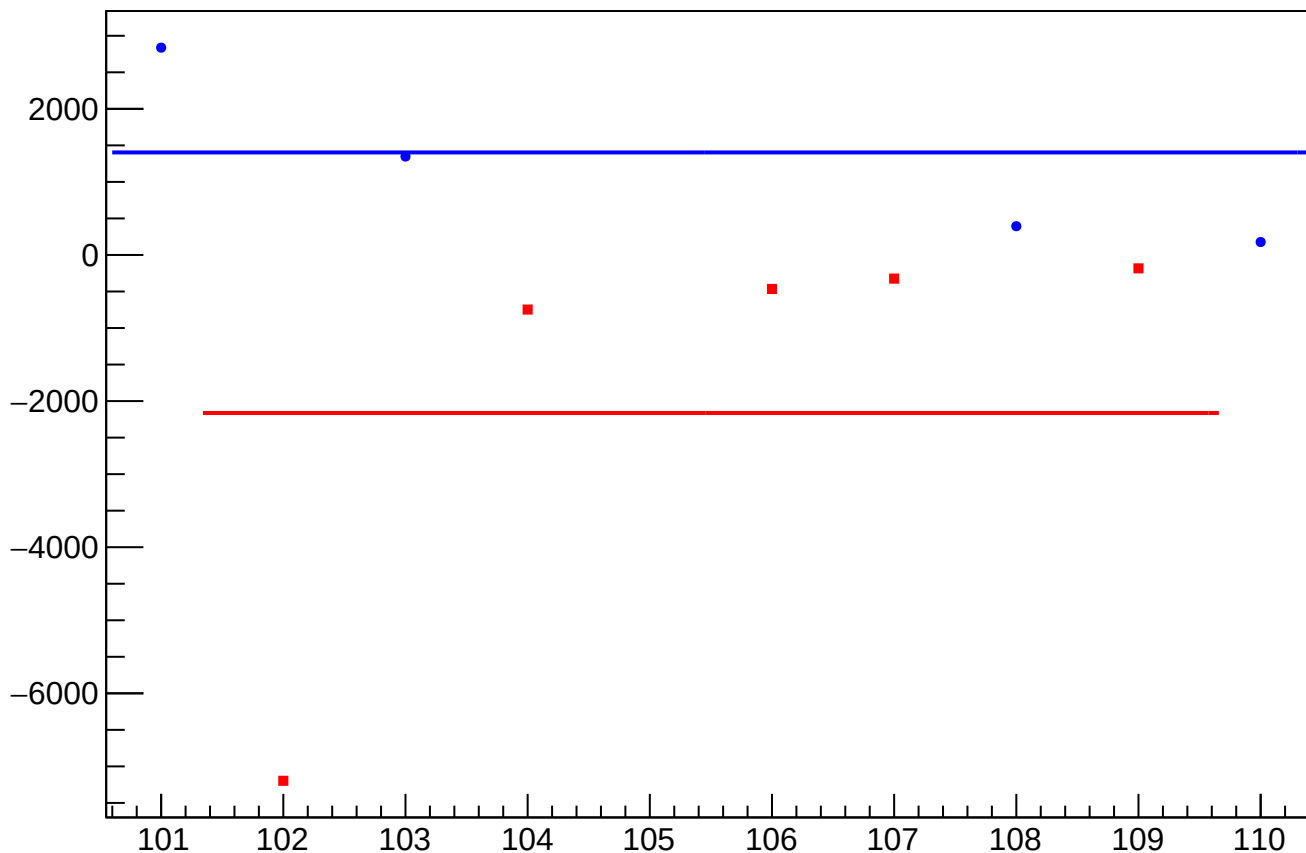
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

977.866+/-0.000  $\chi^2/\text{NDF}$ : 243629695041204282628583209000329281536.0/3

432.087+/-0.000  $\chi^2/\text{NDF}$ : 244608338984.0/3

-27.136+/-0.000  $\chi^2/\text{NDF}$ : 2097688446387276707459660229370313703424.0/4

# dit\_atr1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1403.350+/-0.000  $\chi^2/\text{NDF}$ : 212851869449157775710173009807744696320.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2162.834+/-0.000  $\chi^2/\text{NDF}$ : 1983178415369327106633316824155762458624.0/4

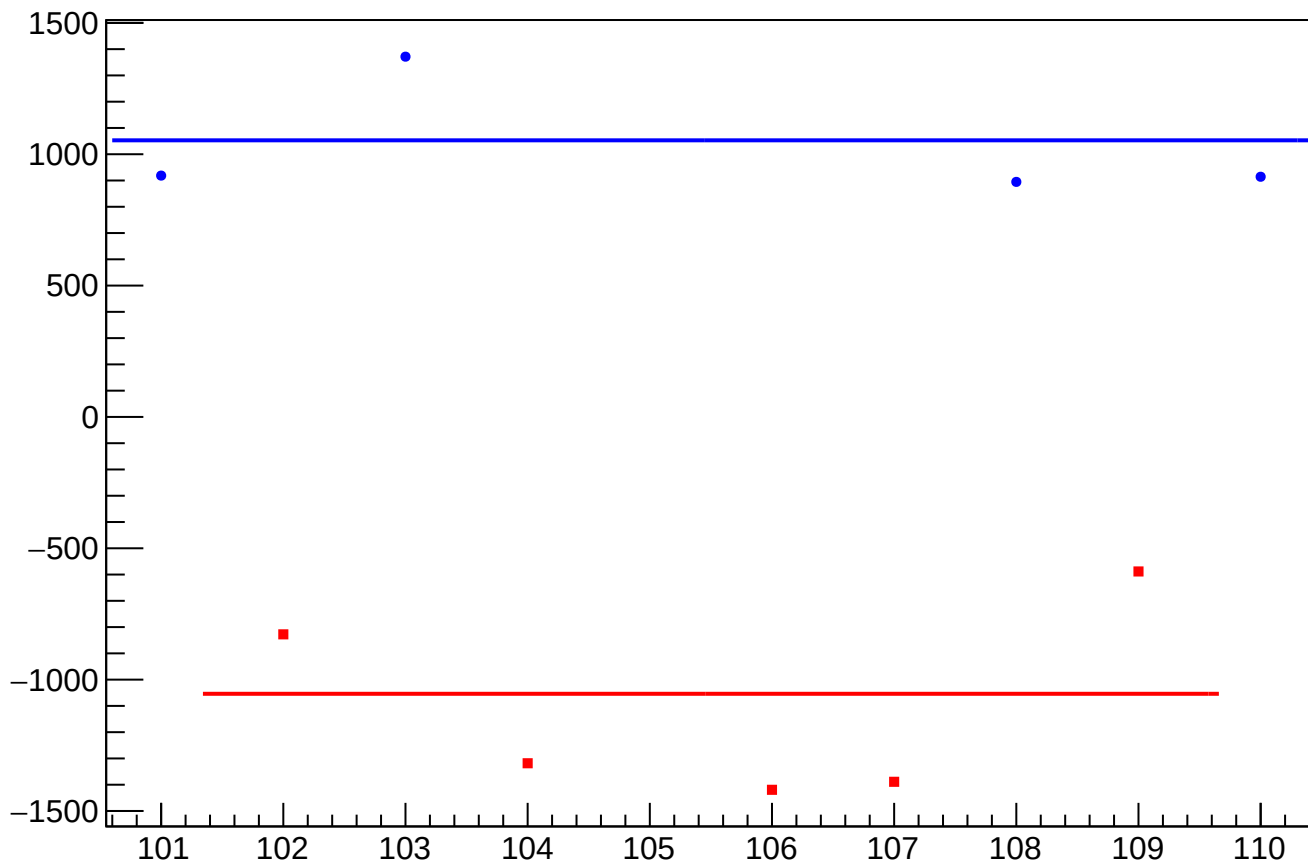
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1403.350+/-0.000  $\chi^2/\text{NDF}$ : 212851869449157775710173009807744696320.0/3

-533.310+/-0.000  $\chi^2/\text{NDF}$ : 35151689479327106633316824155762458624.0/4

-2162.834+/-0.000  $\chi^2/\text{NDF}$ : 1983178415369327106633316824155762458624.0/4

dit\_atr1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

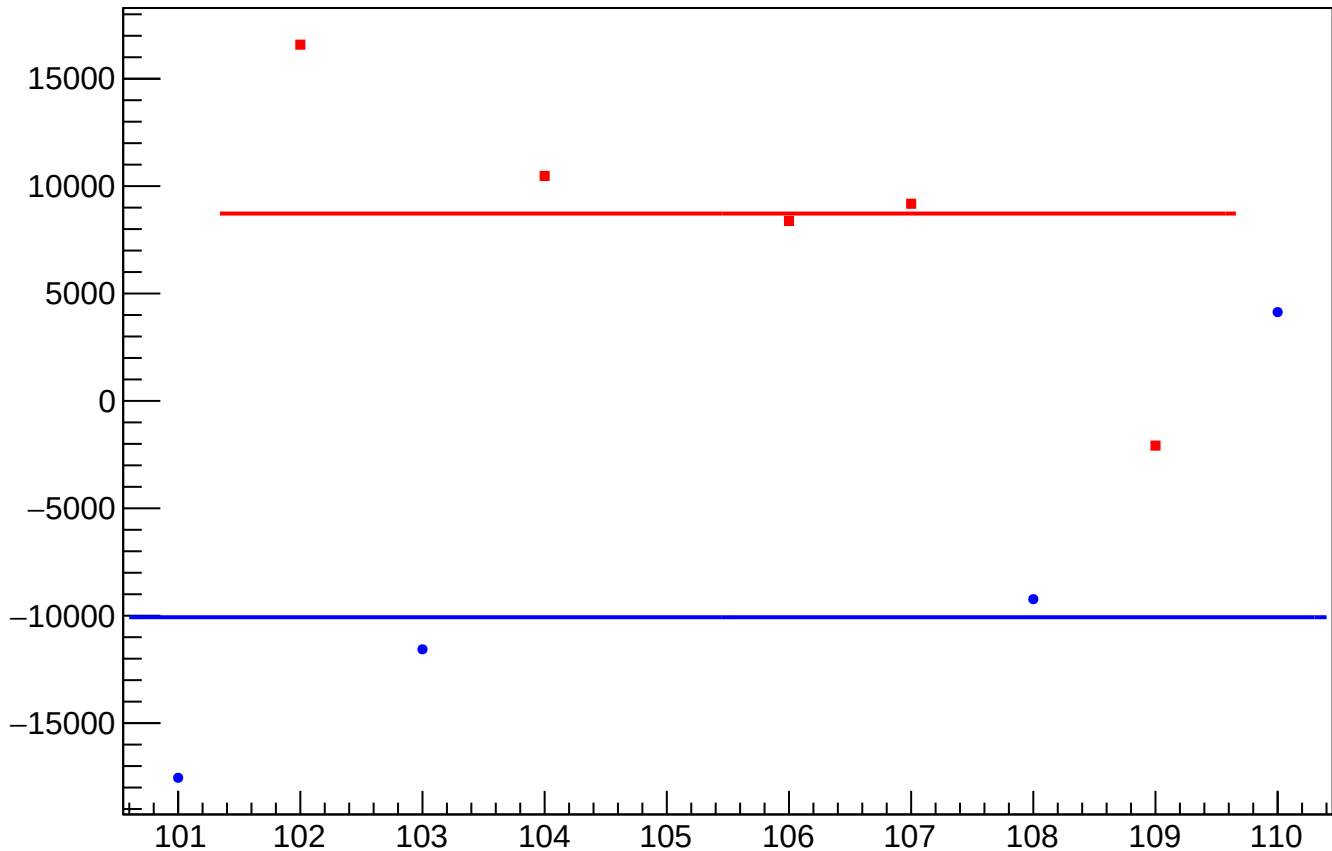
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_atr2\_coil6\_mean vs Slug, Sign Corrected



Right In: -10070.508+/-0.000  $\chi^2/\text{NDF}$ : 10517643282032144861986769048801573339136.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8723.670+/-0.000  $\chi^2/\text{NDF}$ : 9705930930240707316271688432084567719936.0/4

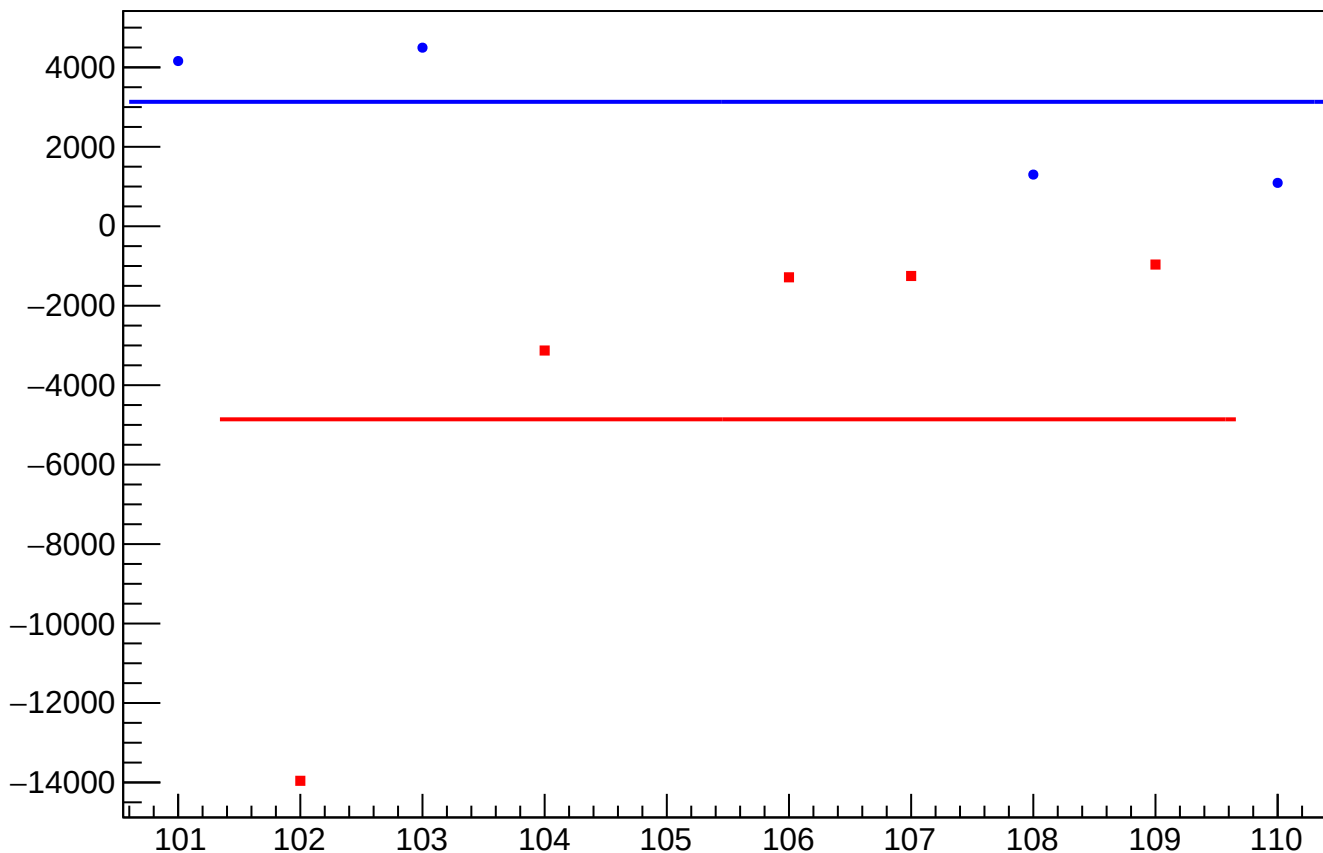
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-10070.508+/-0.000  $\chi^2/\text{NDF}$ : 10517643282032

135.900+/-0.000  $\chi^2/\text{NDF}$ : 568613955089

8723.670+/-0.000  $\chi^2/\text{NDF}$ : 9705930930240707

# dit\_atr2\_coil6\_err\_mean vs Slug, Sign Corrected



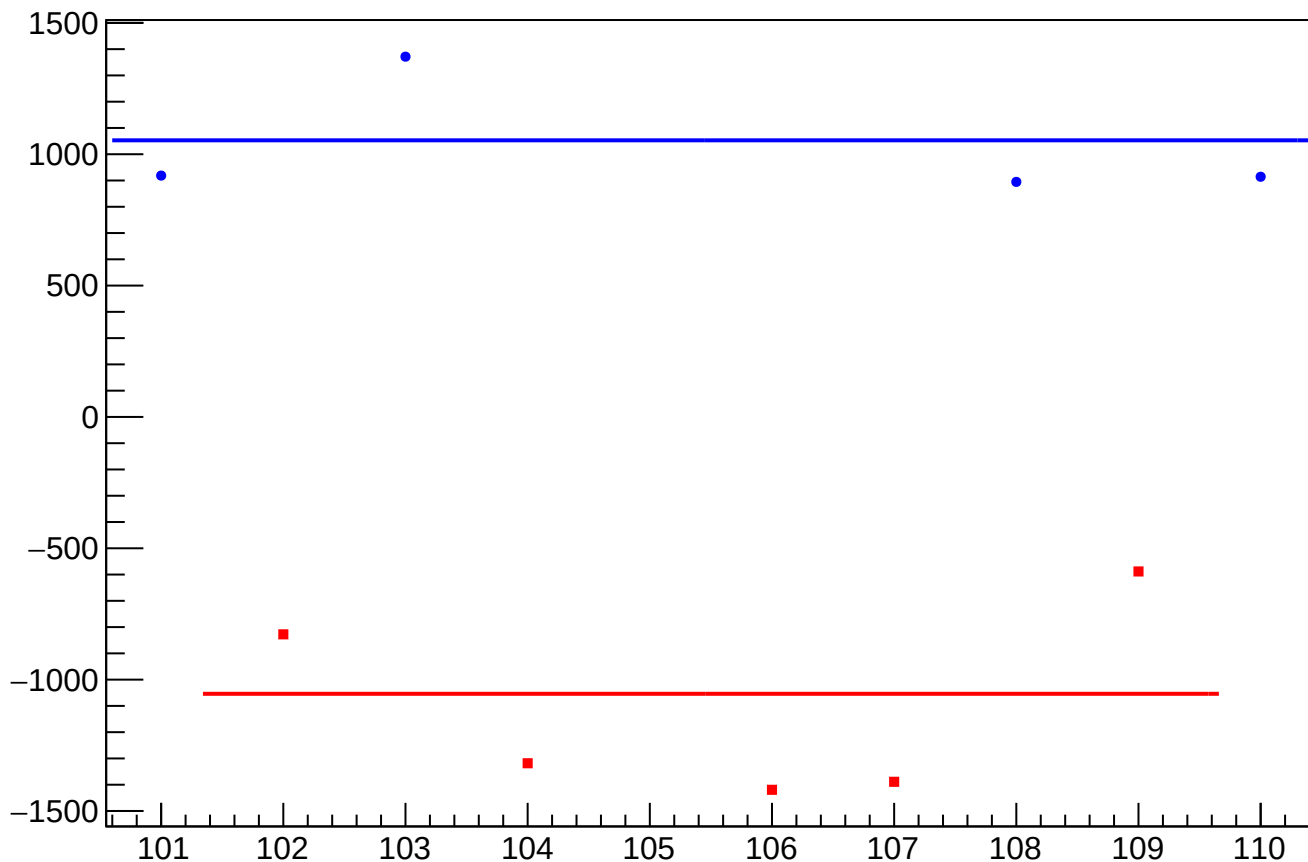
Right In: 3132.474+/-0.000  $\chi^2/\text{NDF}$ : 444987083468667938123183556806938984448.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4859.542+/-0.000  $\chi^2/\text{NDF}$ : 6593575252027127310476391112696353783808.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

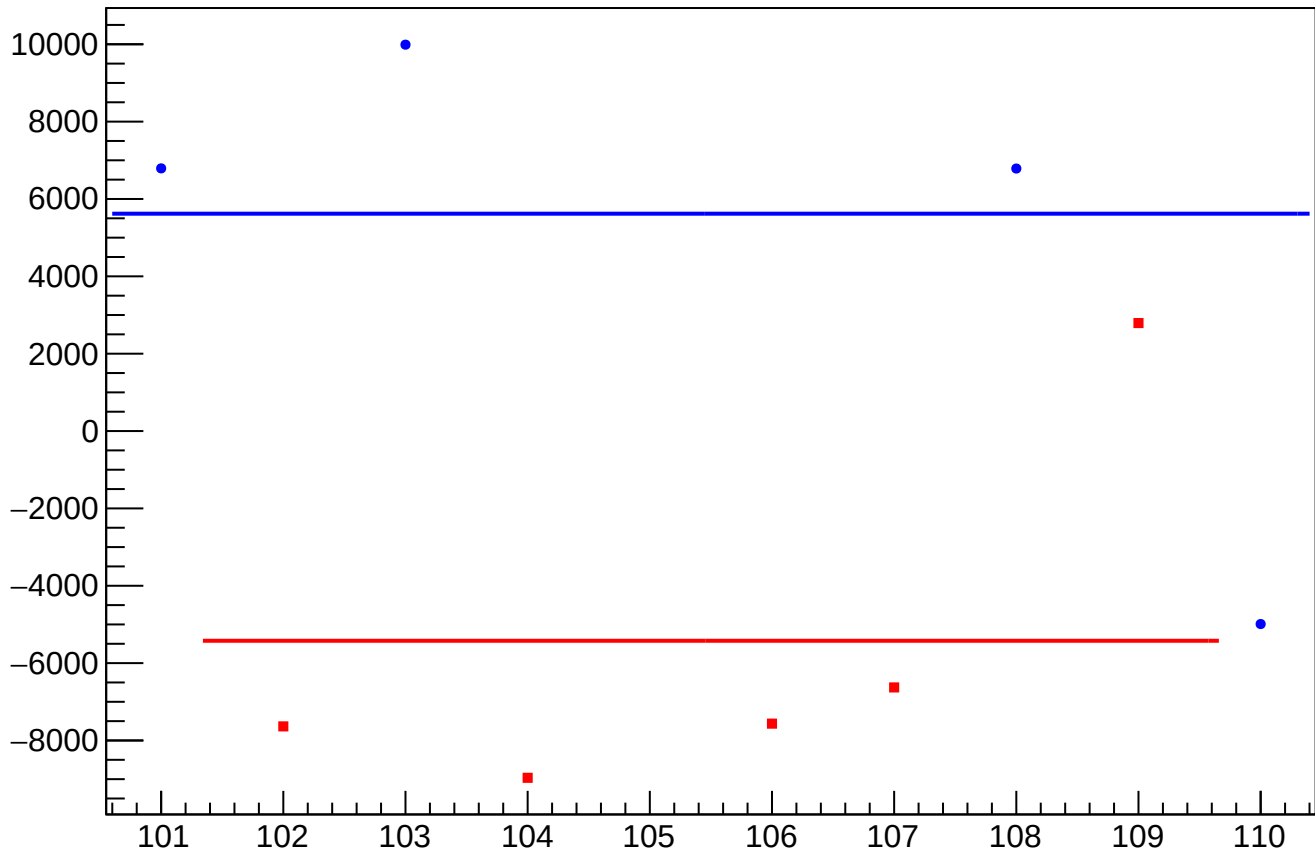
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

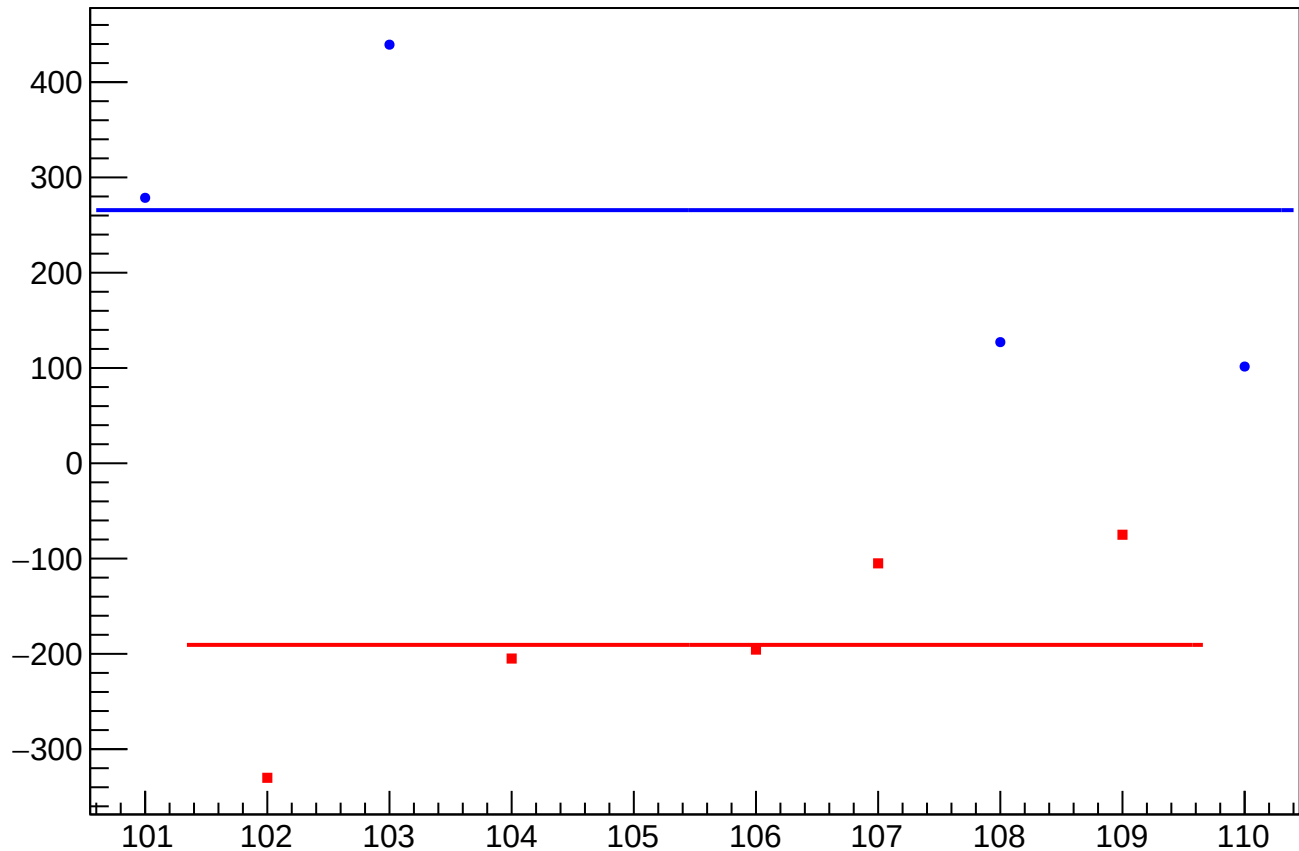
-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

dit\_sam1\_coil6\_mean vs Slug, Sign Corrected



Right In: 5619.689+/-0.000  $\chi^2/\text{NDF}$ : 5198815811094615549216509057436611510272.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -5422.031+/-0.000  $\chi^2/\text{NDF}$ : 4560279842340930062837644506427209809920.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil6\_err\_mean vs Slug, Sign Corrected



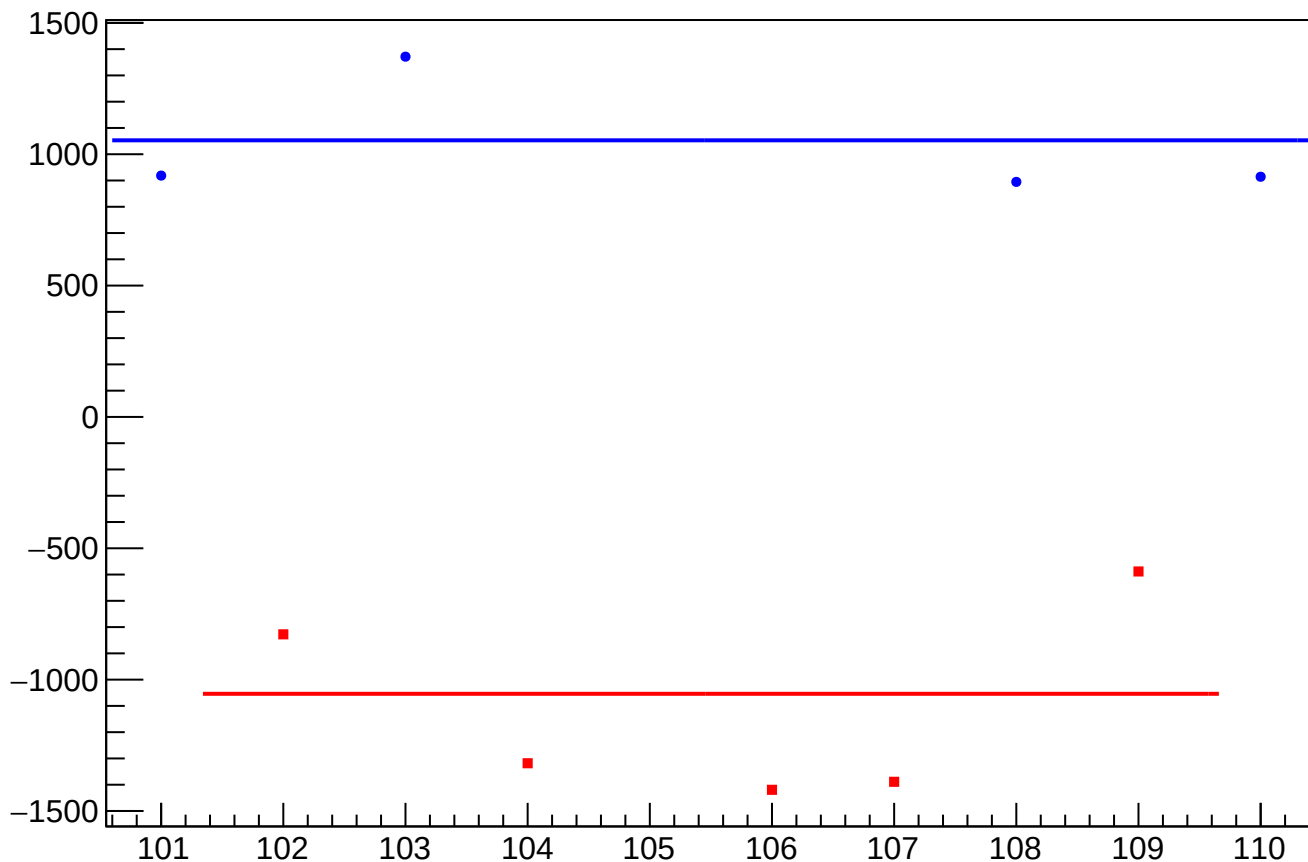
Right In: 265.661+/-0.000  $\chi^2/\text{NDF}$ : 3461113934705163307951445183372984320.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -190.581+/-0.000  $\chi^2/\text{NDF}$ : 2084760259907369646896854126645215232.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

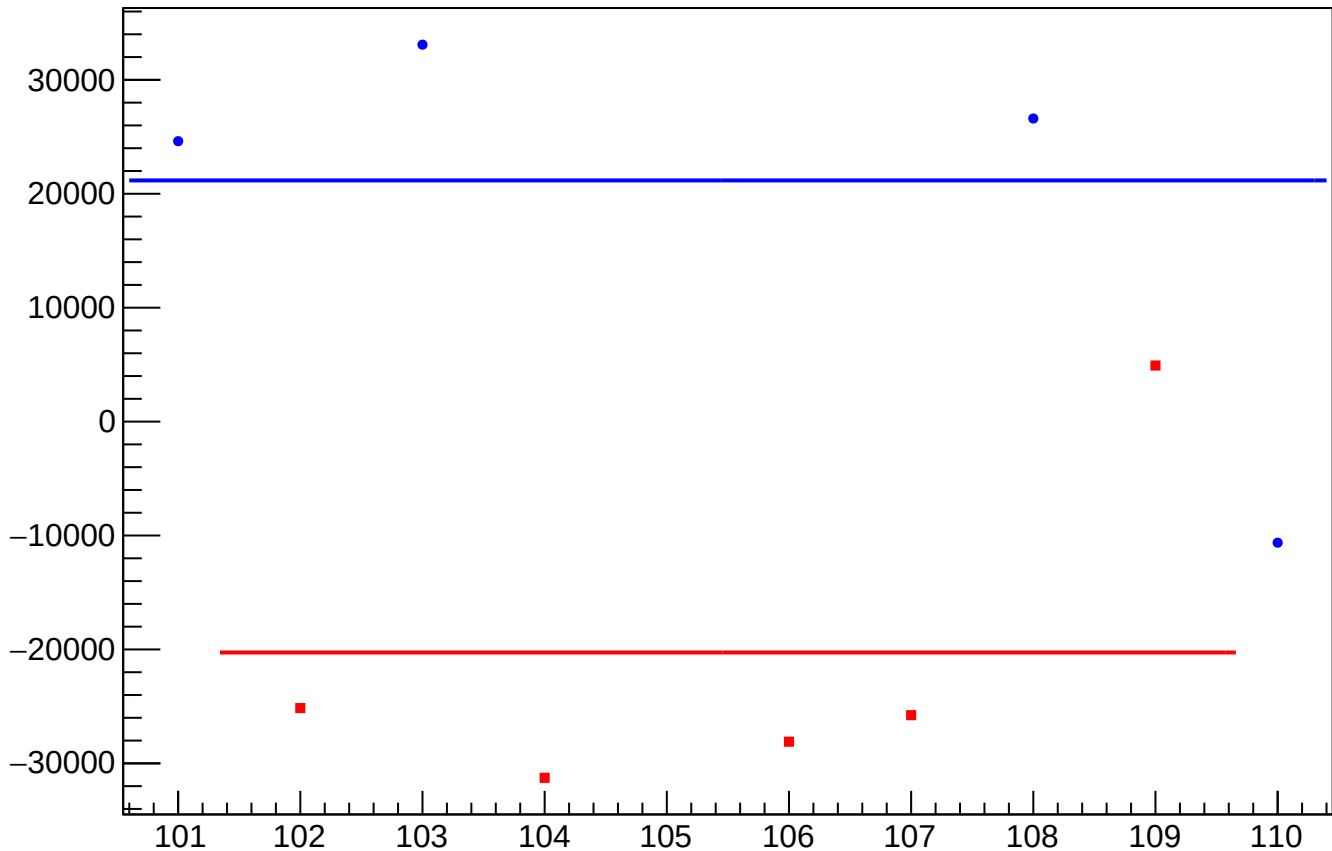
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

dit\_sam2\_coil6\_mean vs Slug, Sign Corrected



Right In: 21171.140 $\pm$ 0.000  $\chi^2$ /NDF: 45596694762817064084545953086041225166848.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

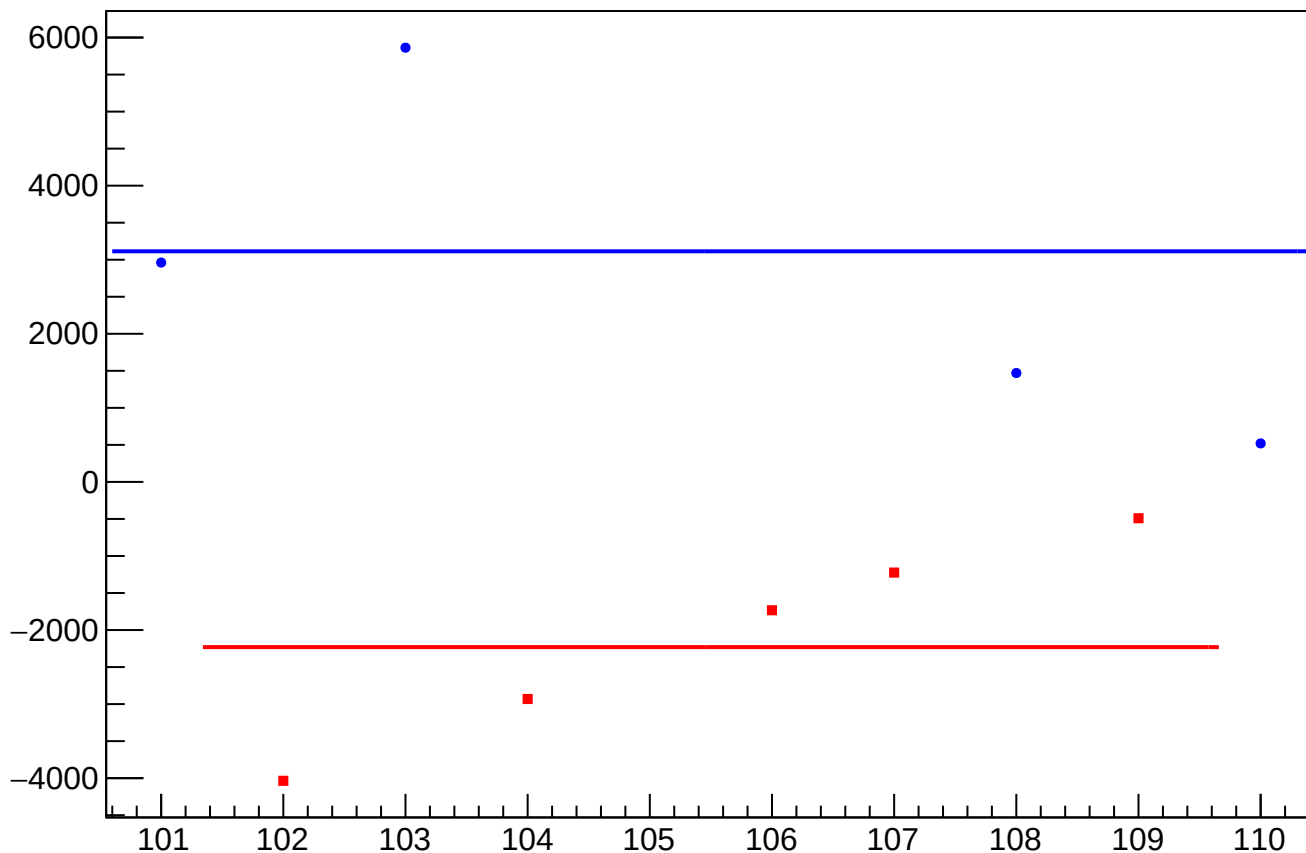
21171.140 $\pm$ 0.000  $\chi^2$ /NDF: 45596694762817064084545953086041225166848.0/3

Right Out: -20266.741 $\pm$ 0.000  $\chi^2$ /NDF: 42905899238887860086414722268330610130944.0/4

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-20266.741 $\pm$ 0.000  $\chi^2$ /NDF: 42905899238887860086414722268330610130944.0/4

dit\_sam2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 3113.886+/-0.000  $\chi^2/\text{NDF}$ : 785465976349681056606697879793395826688.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2230.570+/-0.000  $\chi^2/\text{NDF}$ : 412580448208357812706964440714013835264.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

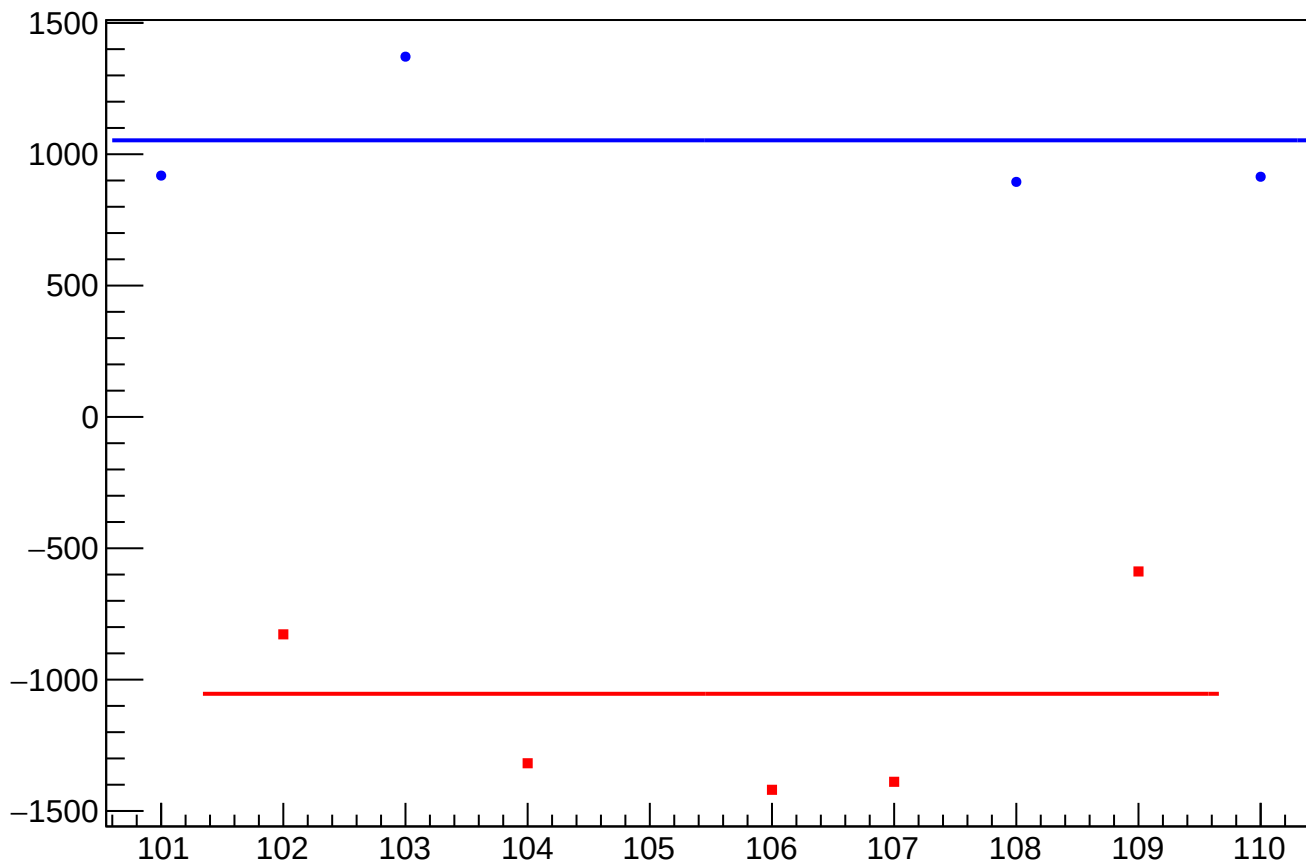
3113.886+/-0.000  $\chi^2/\text{NDF}$ : 785465976349681056606697879793395826688.0/3

211.514+/-0.000  $\chi^2/\text{NDF}$ : 416076173954

-2230.570+/-0.000  $\chi^2/\text{NDF}$ : 412580448208357812706964440714013835264.0/4



dit\_sam2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

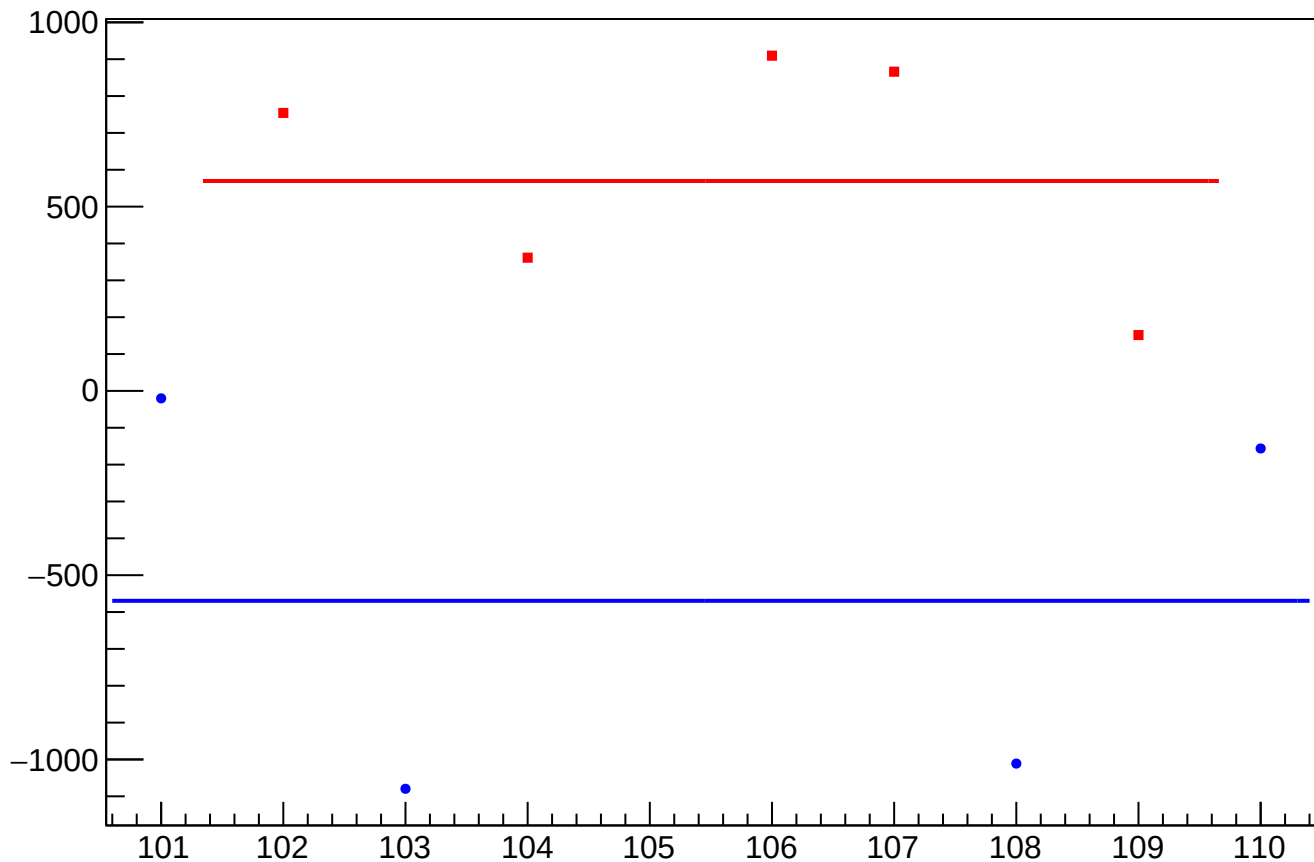
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

dit\_sam3\_coil6\_mean vs Slug, Sign Corrected



Right In: -569.529+/-0.000  $\chi^2/\text{NDF}$ : 46545296448762373030861739737678348288.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 569.531+/-0.000  $\chi^2/\text{NDF}$ : 19849614869401461674590082082900279296.0/4

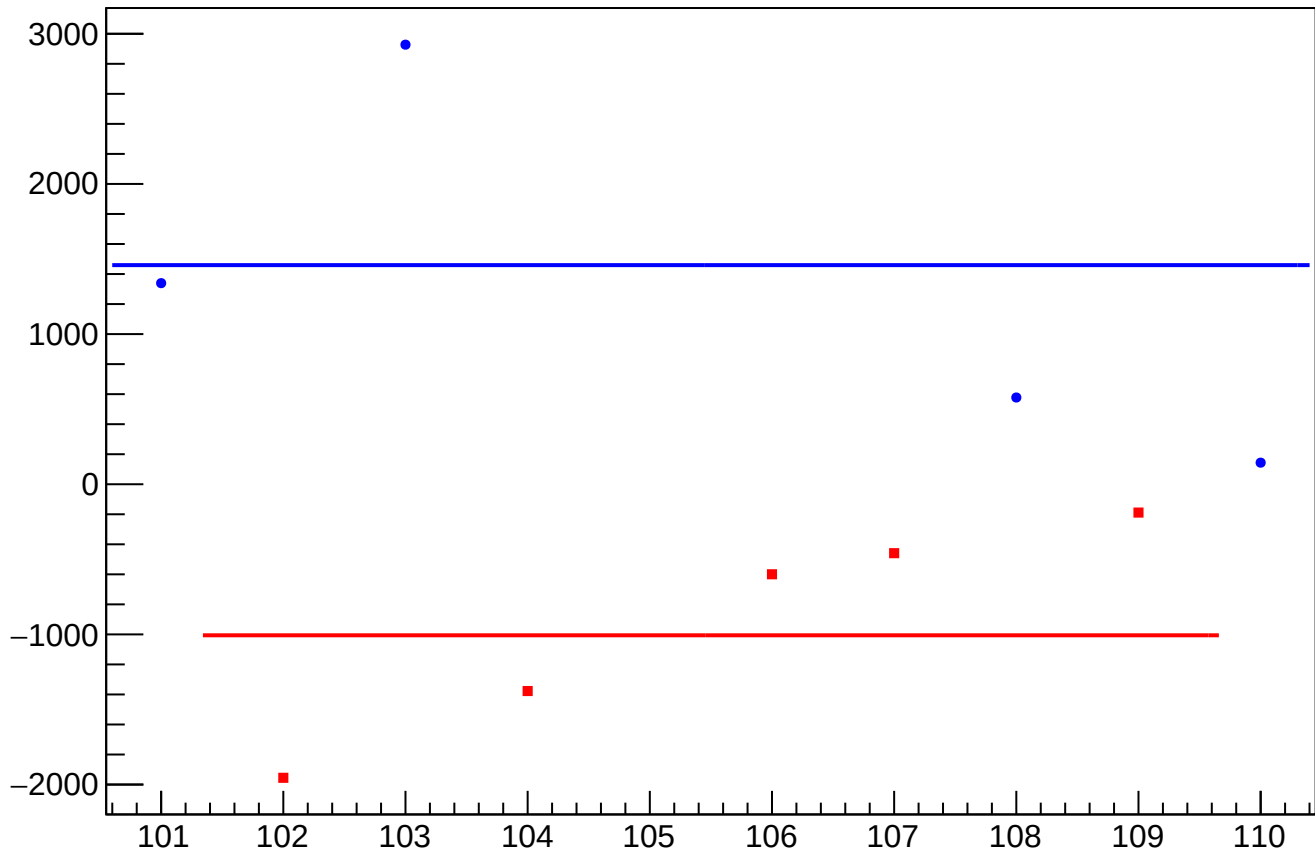
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-569.529+/-0.000  $\chi^2/\text{NDF}$ : 4654529644876237

49.052+/-0.000  $\chi^2/\text{NDF}$ : 2009735164766

569.531+/-0.000  $\chi^2/\text{NDF}$ : 1984961486940146

dit\_sam3\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1459.286+/-0.000  $\chi^2/\text{NDF}$ : 218146920610761512824568932746448076800.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1006.016+/-0.000  $\chi^2/\text{NDF}$ : 109221281385208888586791558386563416064.0/4

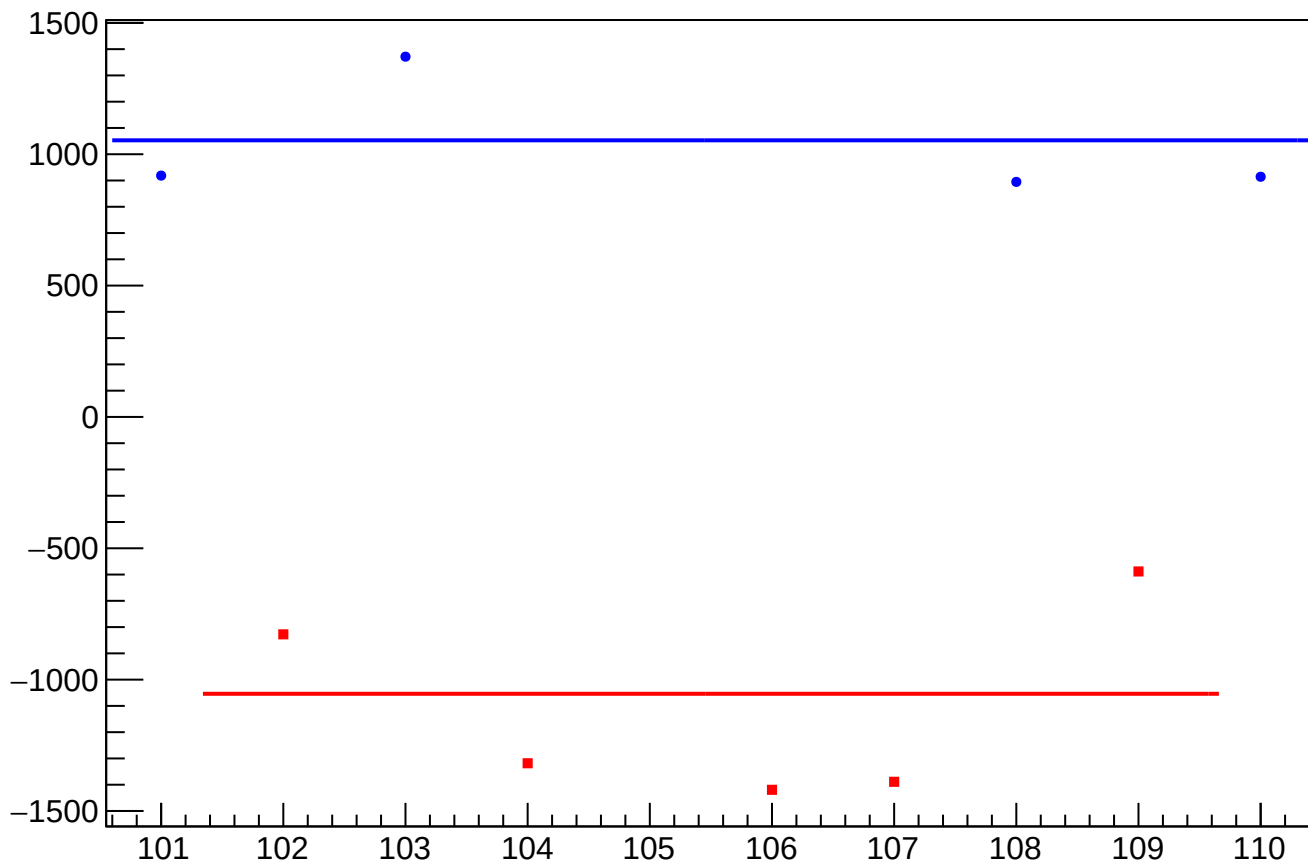
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1459.286+/-0.000  $\chi^2/\text{NDF}$ : 2181469206107615

120.474+/-0.000  $\chi^2/\text{NDF}$ : 957778674254

-1006.016+/-0.000  $\chi^2/\text{NDF}$ : 109221281385208

dit\_sam3\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

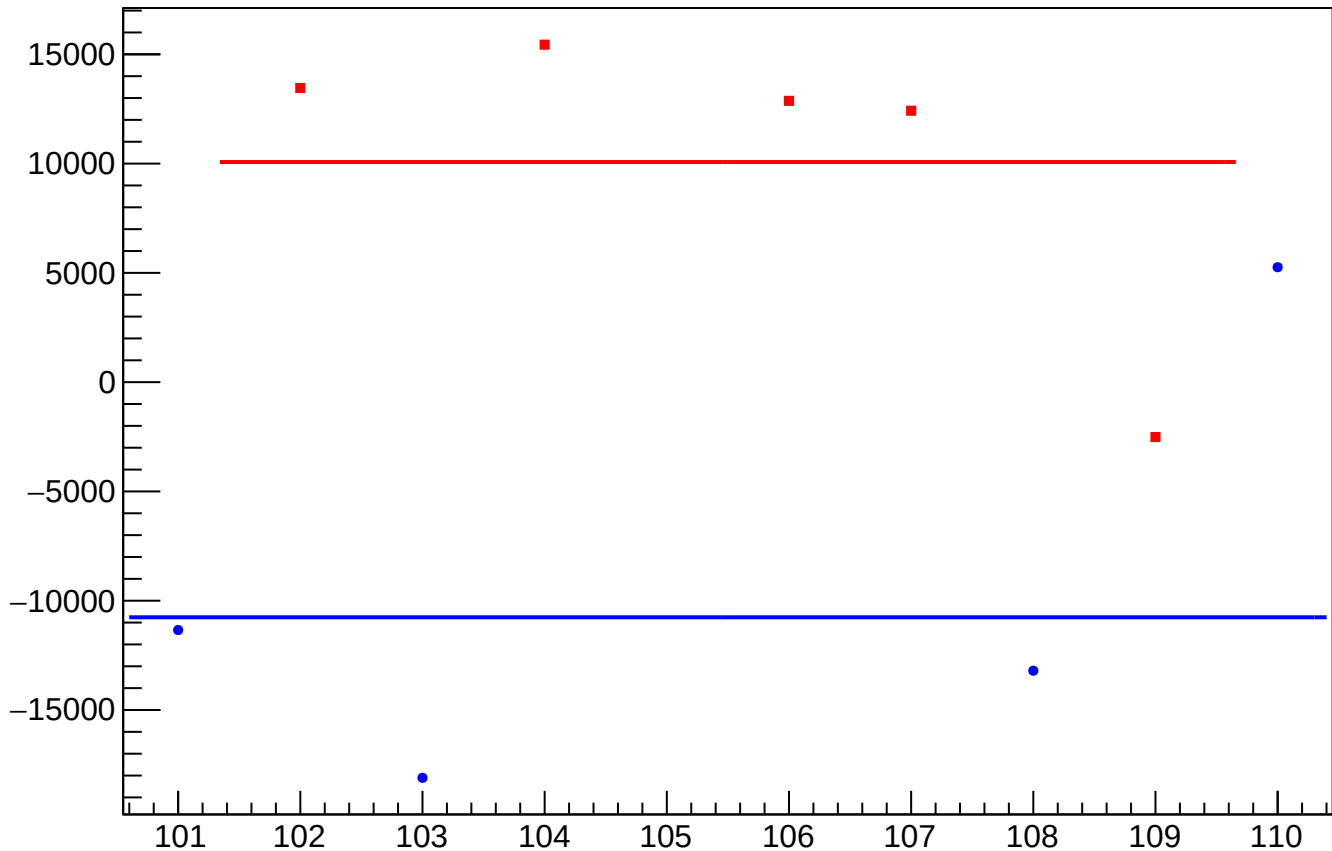
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

dit\_sam4\_coil6\_mean vs Slug, Sign Corrected



Right In: -10758.457+/-0.000  $\chi^2/\text{NDF}$ : 12408481178328435610460593933875077447680.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10071.933+/-0.000  $\chi^2/\text{NDF}$ : 10653645633727115362171905007204626857984.0/4

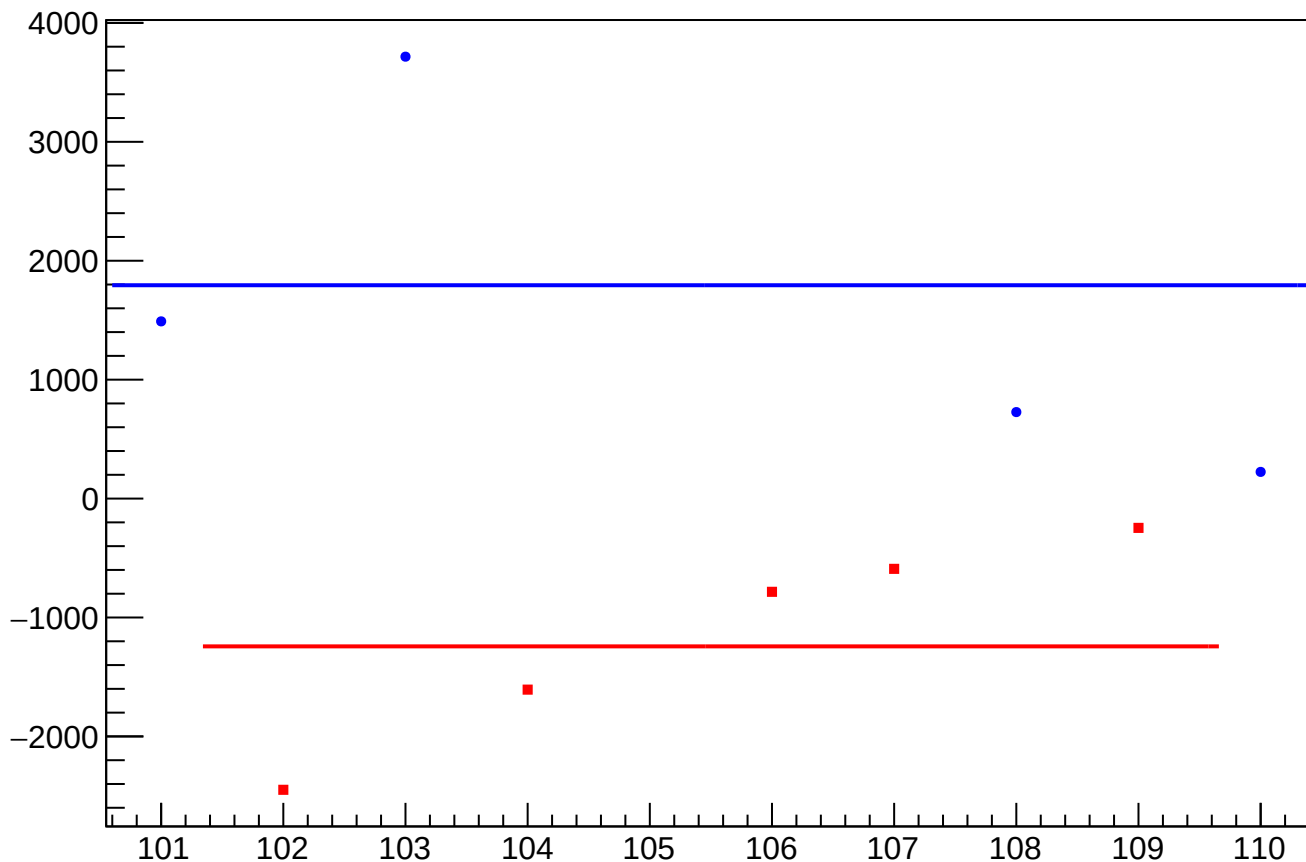
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-10758.457+/-0.000  $\chi^2/\text{NDF}$ : 12408481178328

553.740+/-0.000  $\chi^2/\text{NDF}$ : 680688837010

10071.933+/-0.000  $\chi^2/\text{NDF}$ : 10653645633727

dit\_sam4\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1794.064+/-0.000  $\chi^2/\text{NDF}$ : 352867404633735914590677666509002637312.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1242.782+/-0.000  $\chi^2/\text{NDF}$ : 163572627324680178478390967010169192448.0/4

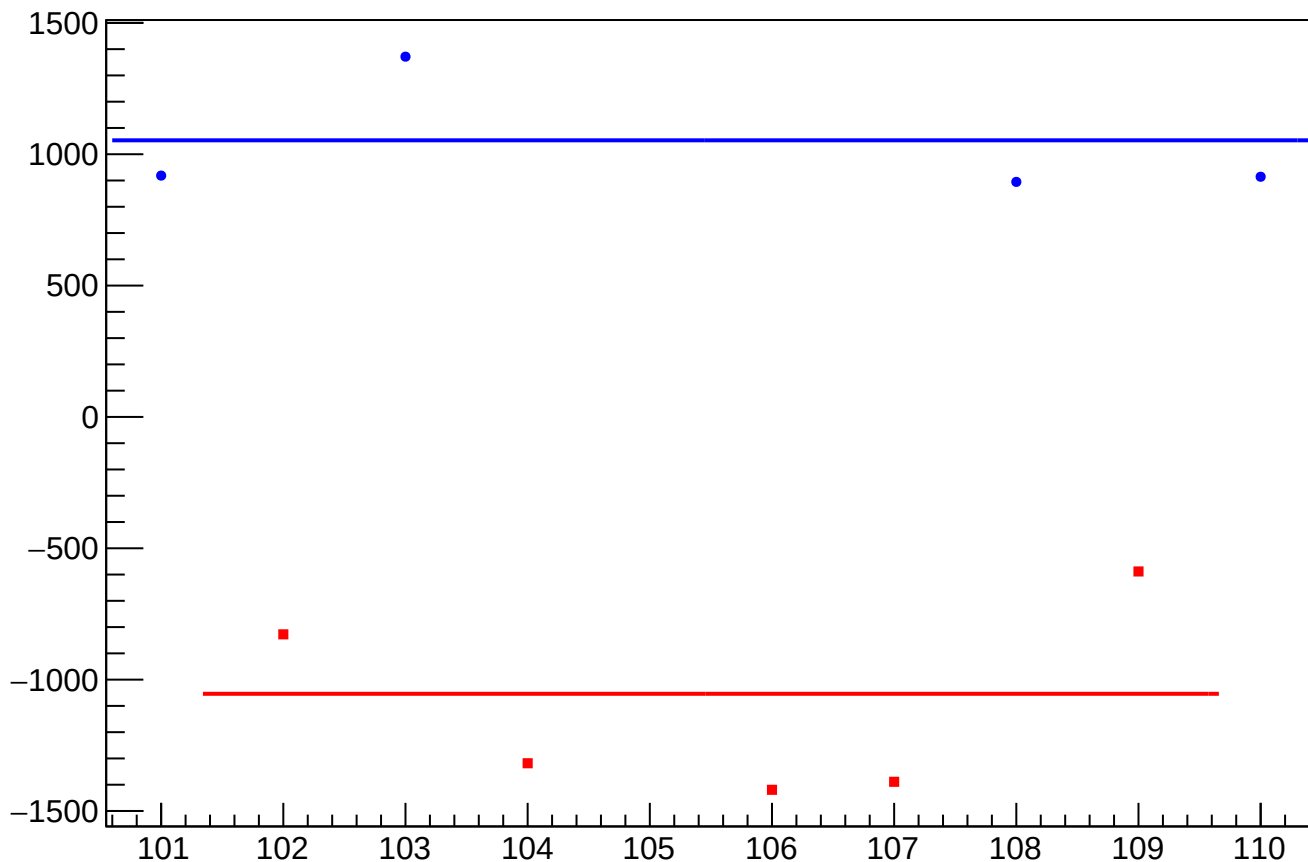
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1794.064+/-0.000  $\chi^2/\text{NDF}$ : 3528674046337359

144.868+/-0.000  $\chi^2/\text{NDF}$ : 147303540931

-1242.782+/-0.000  $\chi^2/\text{NDF}$ : 163572627324680

dit\_sam4\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

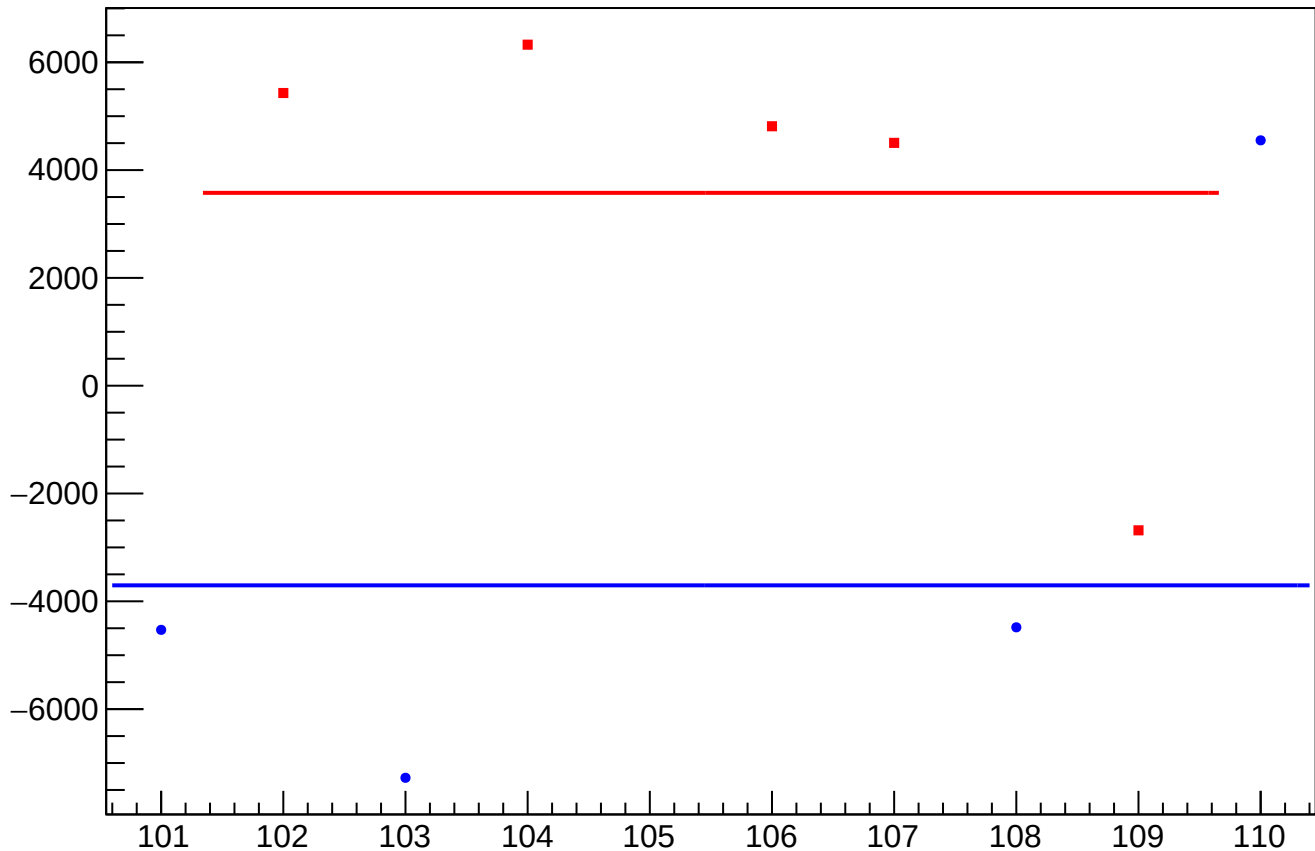
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

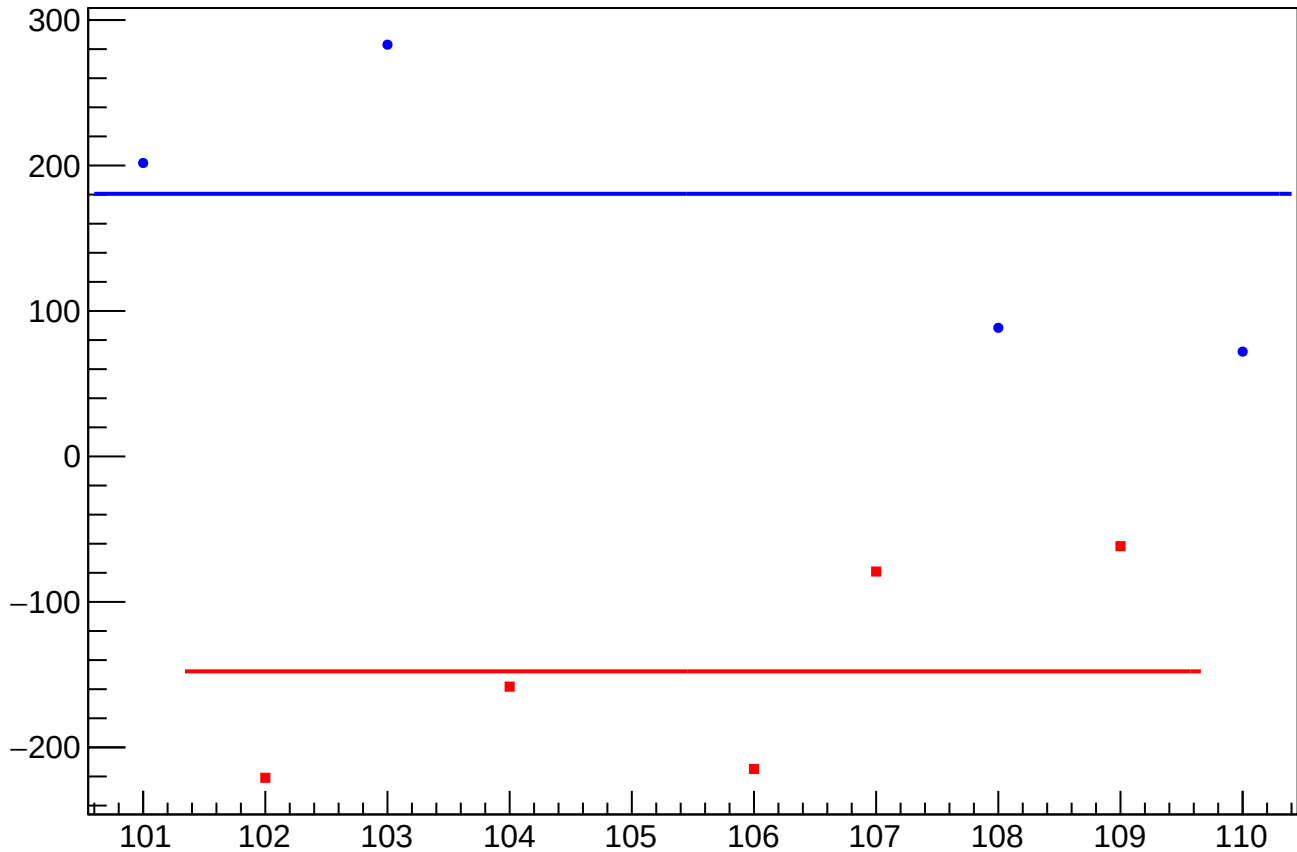
dit\_sam5\_coil6\_mean vs Slug, Sign Corrected



Right In: -3703.866+/-0.000  $\chi^2/\text{NDF}$ : 3200909444769689539441341276987615870976.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 3577.709+/-0.000  $\chi^2/\text{NDF}$ : 2661750935076020095703247324594426609664.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_sam5\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 180.550+/-0.000  $\chi^2/\text{NDF}$ : 1380971435137186577231151694608334848.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

180.550+/-0.000  $\chi^2/\text{NDF}$ : 1380971435137186577231151694608334848.0/3

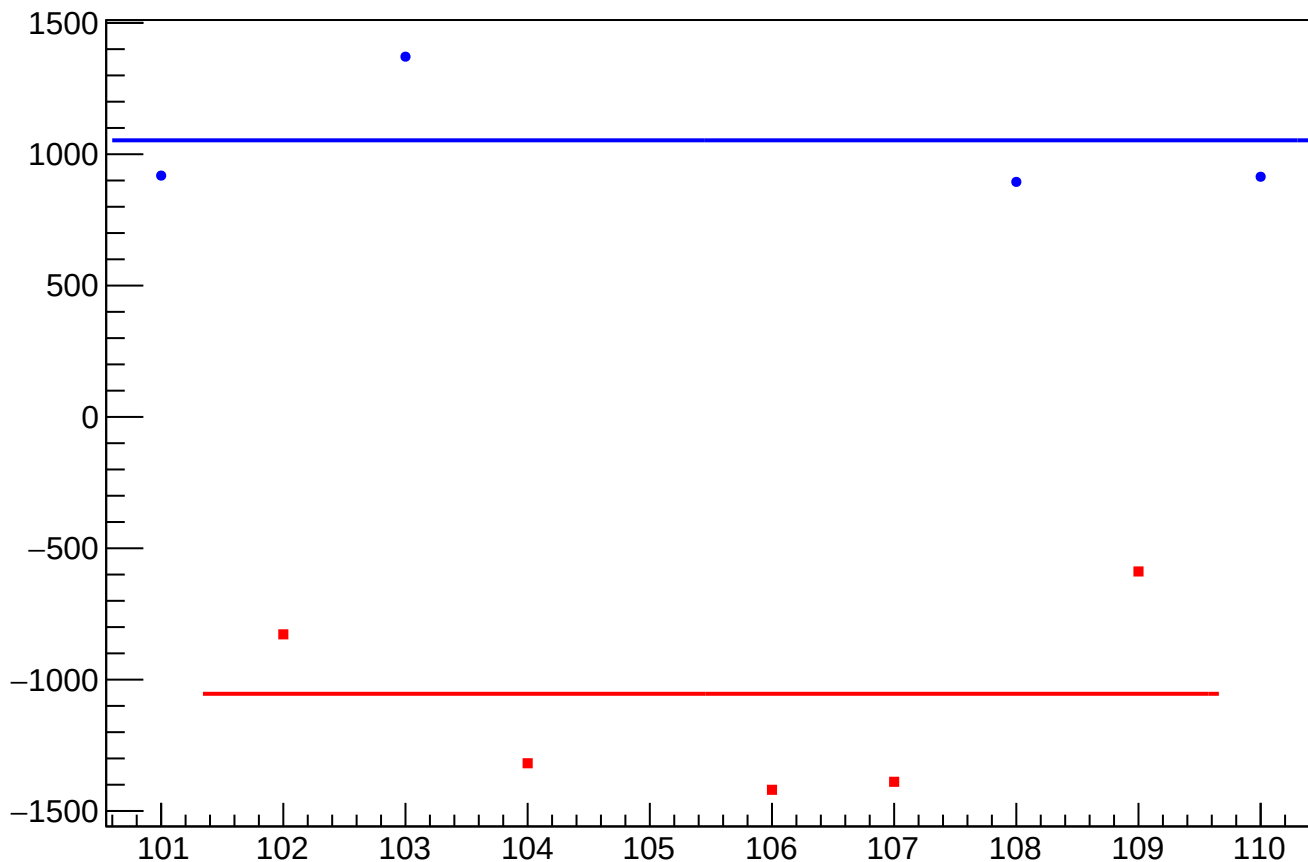
2.268+/-0.000  $\chi^2/\text{NDF}$ : 13562716613823

Right Out: -147.740+/-0.000  $\chi^2/\text{NDF}$ : 1002857271232838544931306542785888256.0/4

-147.740+/-0.000  $\chi^2/\text{NDF}$ : 1002857271232838544931306542785888256.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

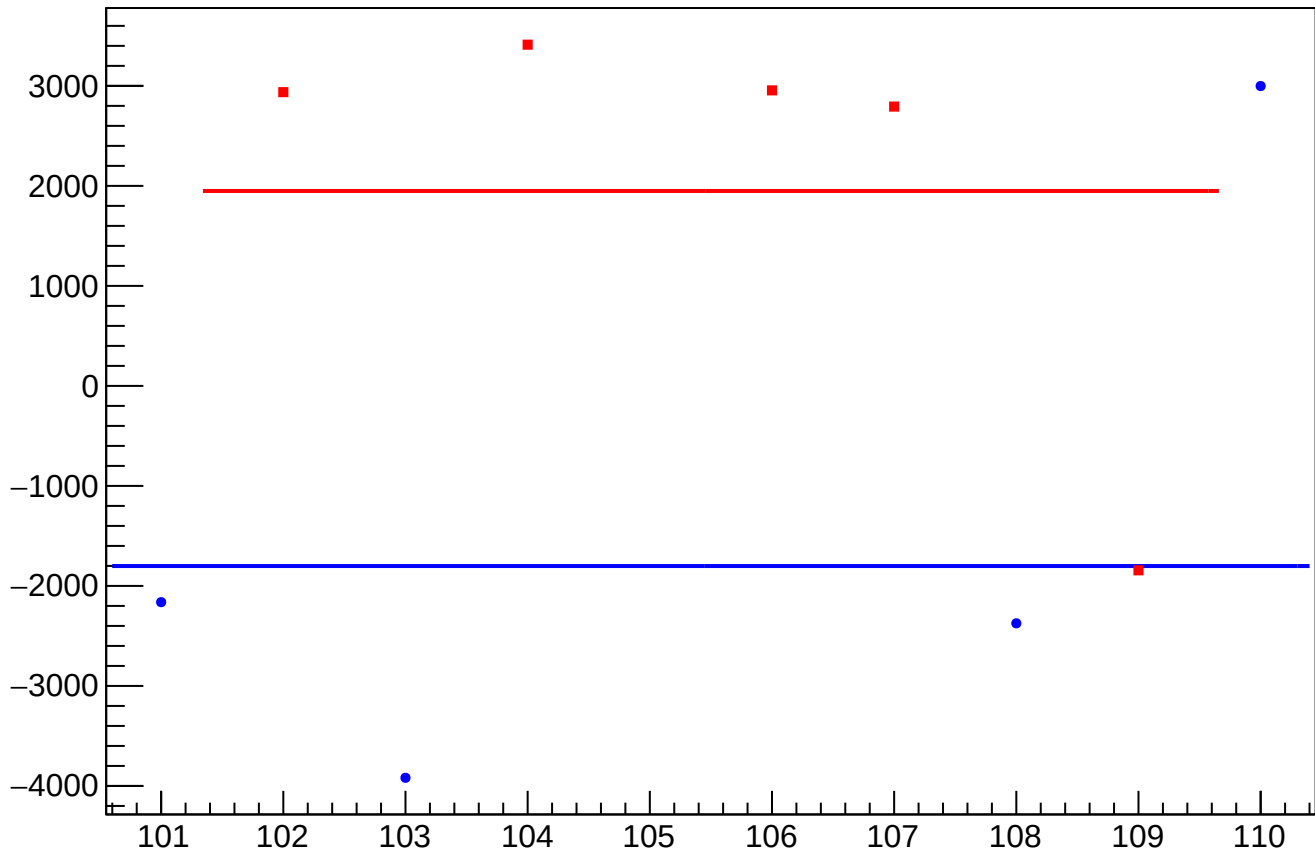
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

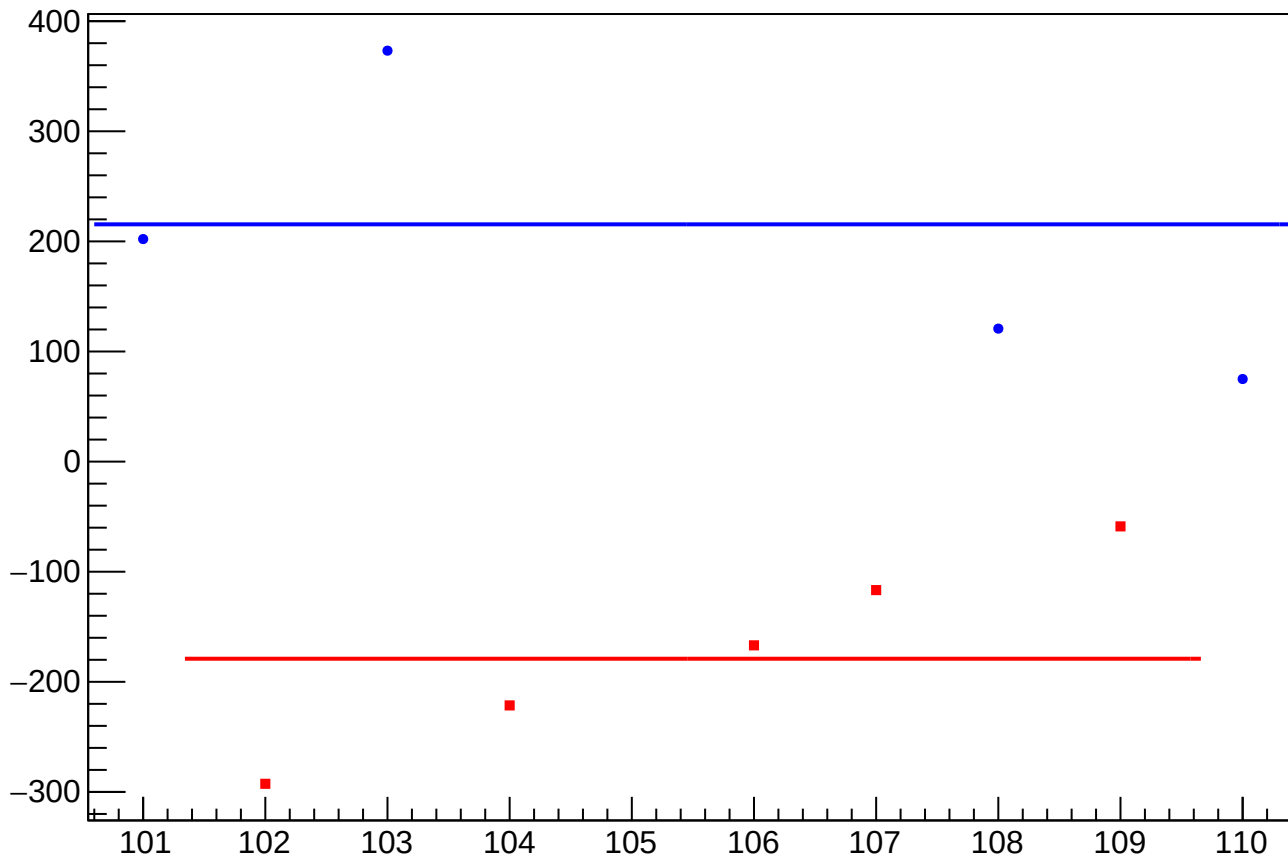
-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

dit\_sam6\_coil6\_mean vs Slug, Sign Corrected



Right In: -1801.264+/-0.000  $\chi^2/\text{NDF}$ : 1090919423584875581806792695177650634752.0/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 1949.220+/-0.000  $\chi^2/\text{NDF}$ : 956522953885939948567516658332149481472.0/4  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil6\_err\_mean vs Slug, Sign Corrected



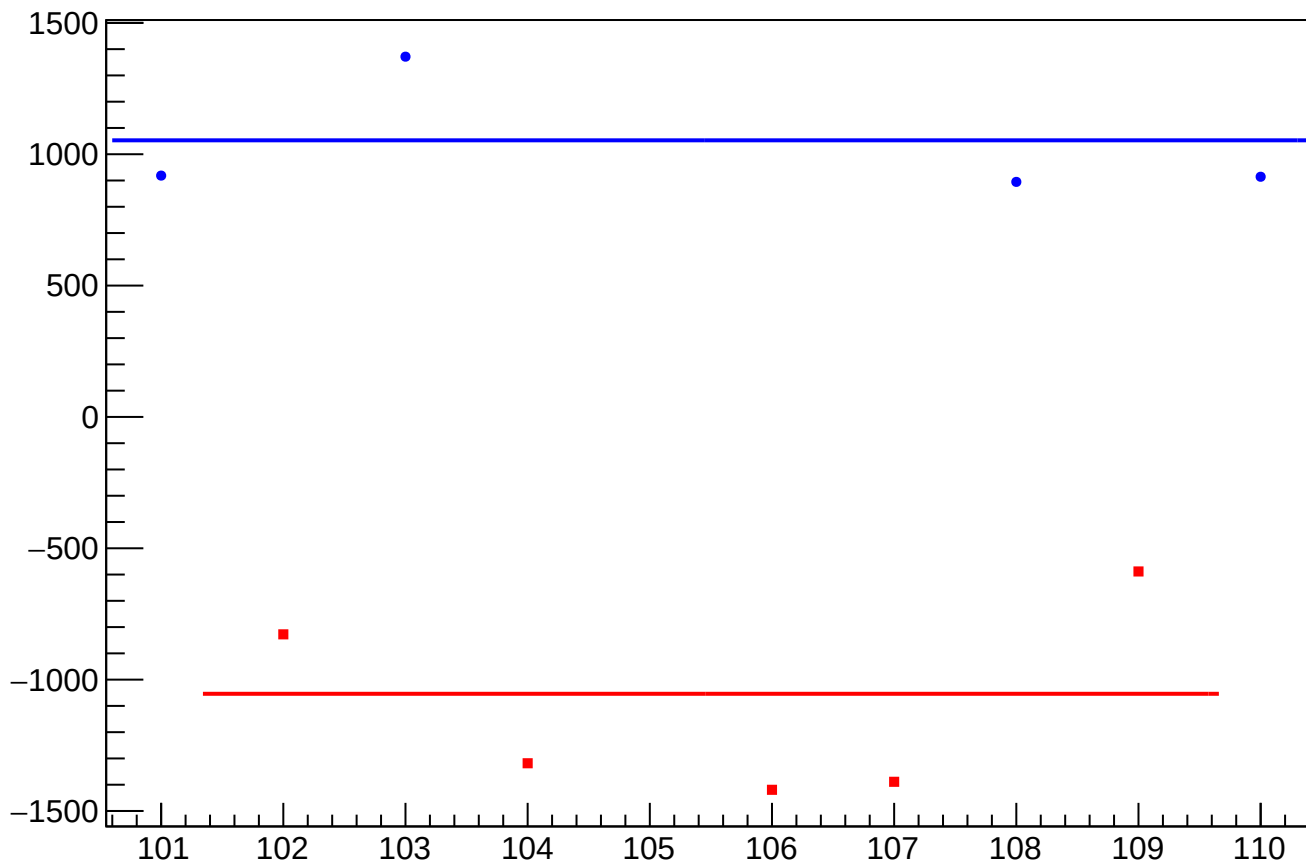
Right In: 215.493+/-0.000  $\chi^2/\text{NDF}$ : 2509830204559866226757893511884832768.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -179.021+/-0.000  $\chi^2/\text{NDF}$ : 1721314091465500860732447566914912256.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

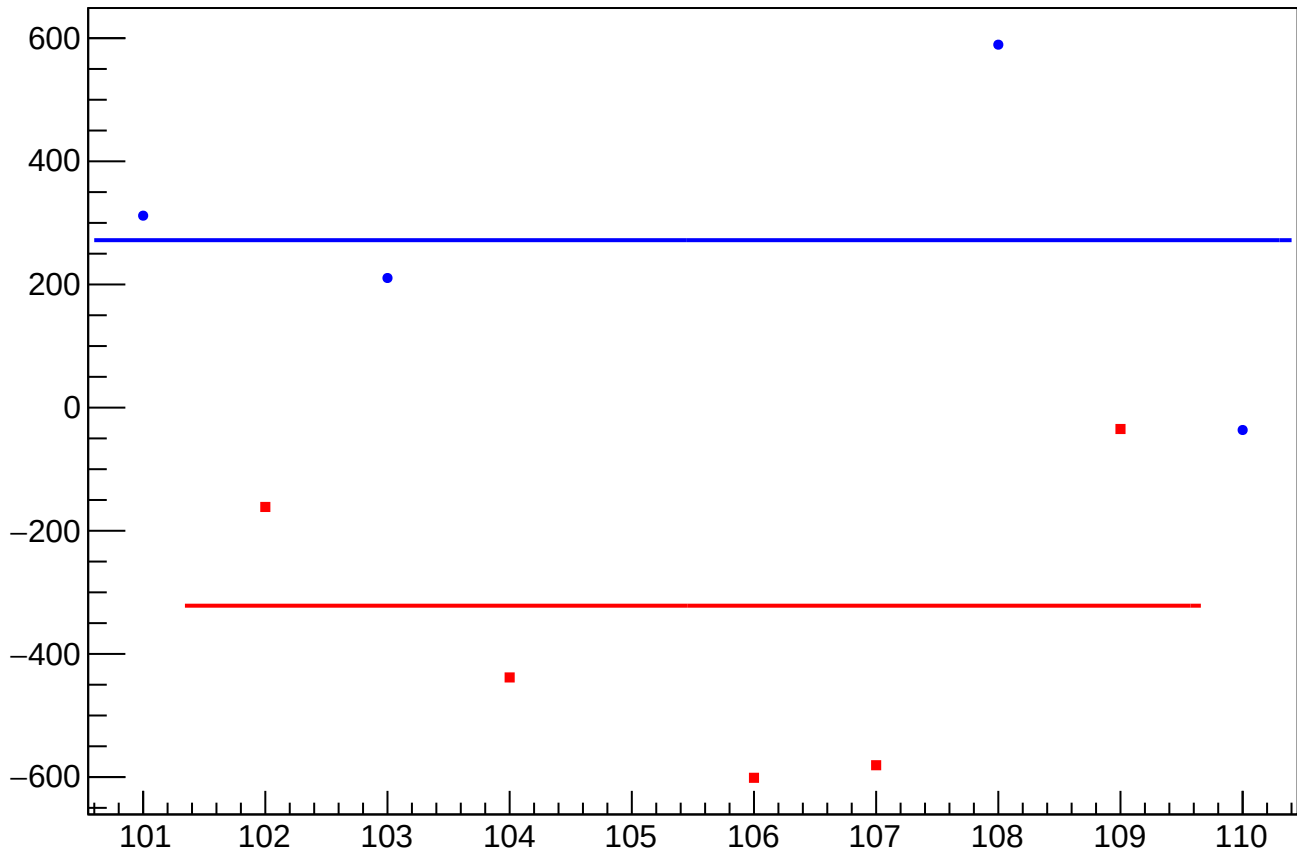
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

# dit\_sam7\_coil6\_mean vs Slug, Sign Corrected



Right In: 271.939+/-0.000  $\chi^2/\text{NDF}$ : 7473087551652525390759685235239026688.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

271.939+/-0.000  $\chi^2/\text{NDF}$ : 7473087551652525390759685235239026688.0/3

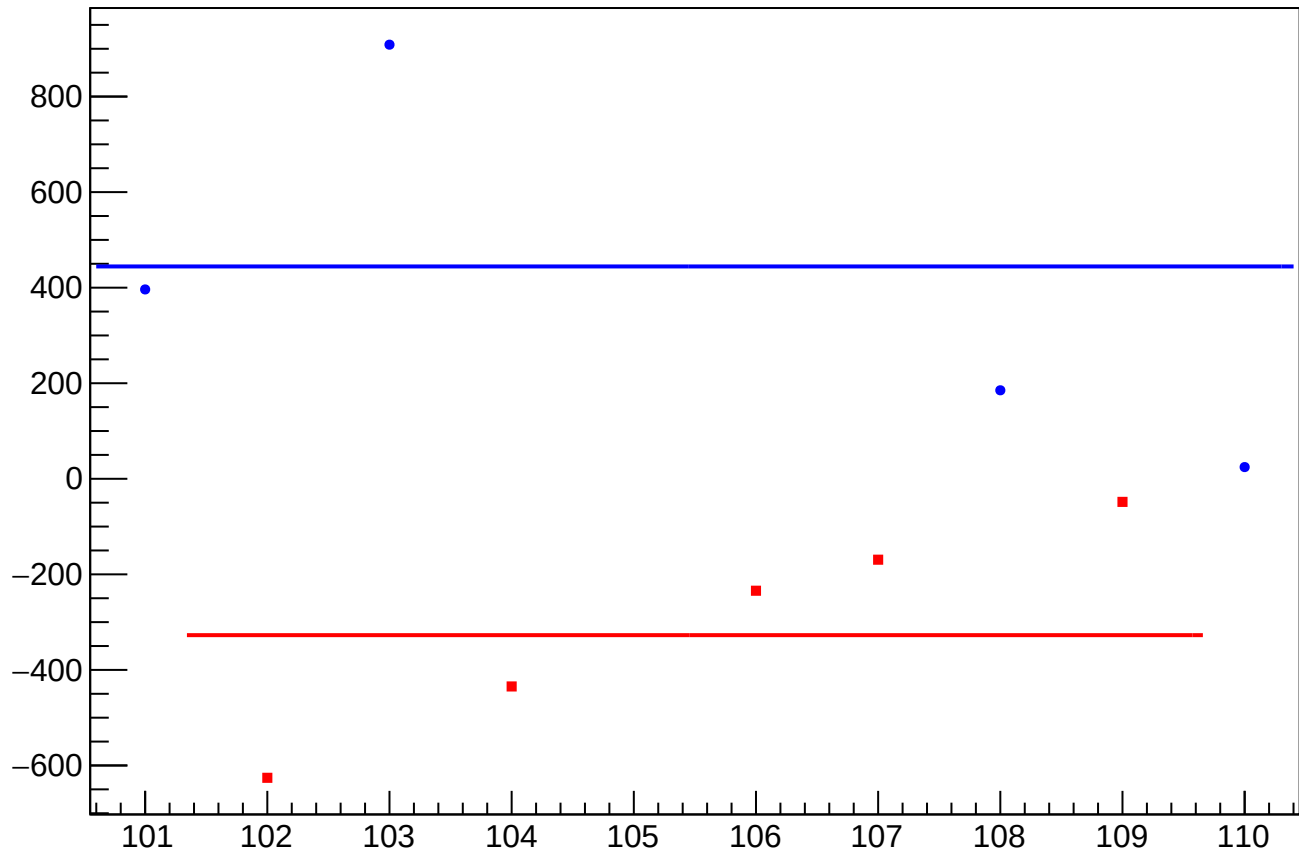
-50.430+/-0.000  $\chi^2/\text{NDF}$ : 552446627032

Right Out: -321.673+/-0.000  $\chi^2/\text{NDF}$ : 11221535651768933704638871422845845504.0/4

-321.673+/-0.000  $\chi^2/\text{NDF}$ : 11221535651768933704638871422845845504.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil6\_err\_mean vs Slug, Sign Corrected



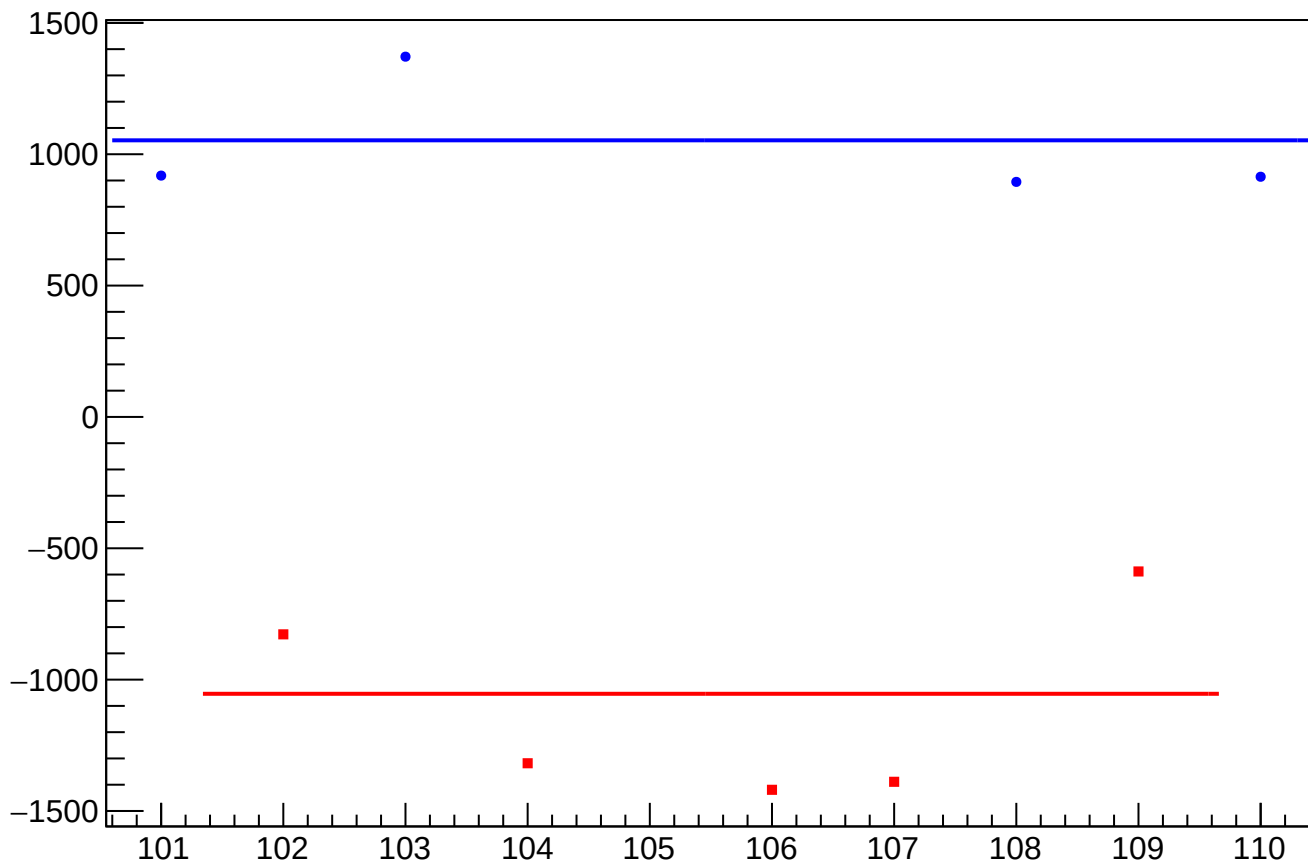
Right In: 444.437+/-0.000  $\chi^2/\text{NDF}$ : 21572313736418530721379999132139126784.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -327.247+/-0.000  $\chi^2/\text{NDF}$ : 10891253086586681081252076729126617088.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In:  $1052.937 \pm 0.000$   $\chi^2/\text{NDF}: 8670607412761179872979039446278078464.0/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1053.899 \pm 0.000$   $\chi^2/\text{NDF}: 25775945438504342305331559964740681728.0/4$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

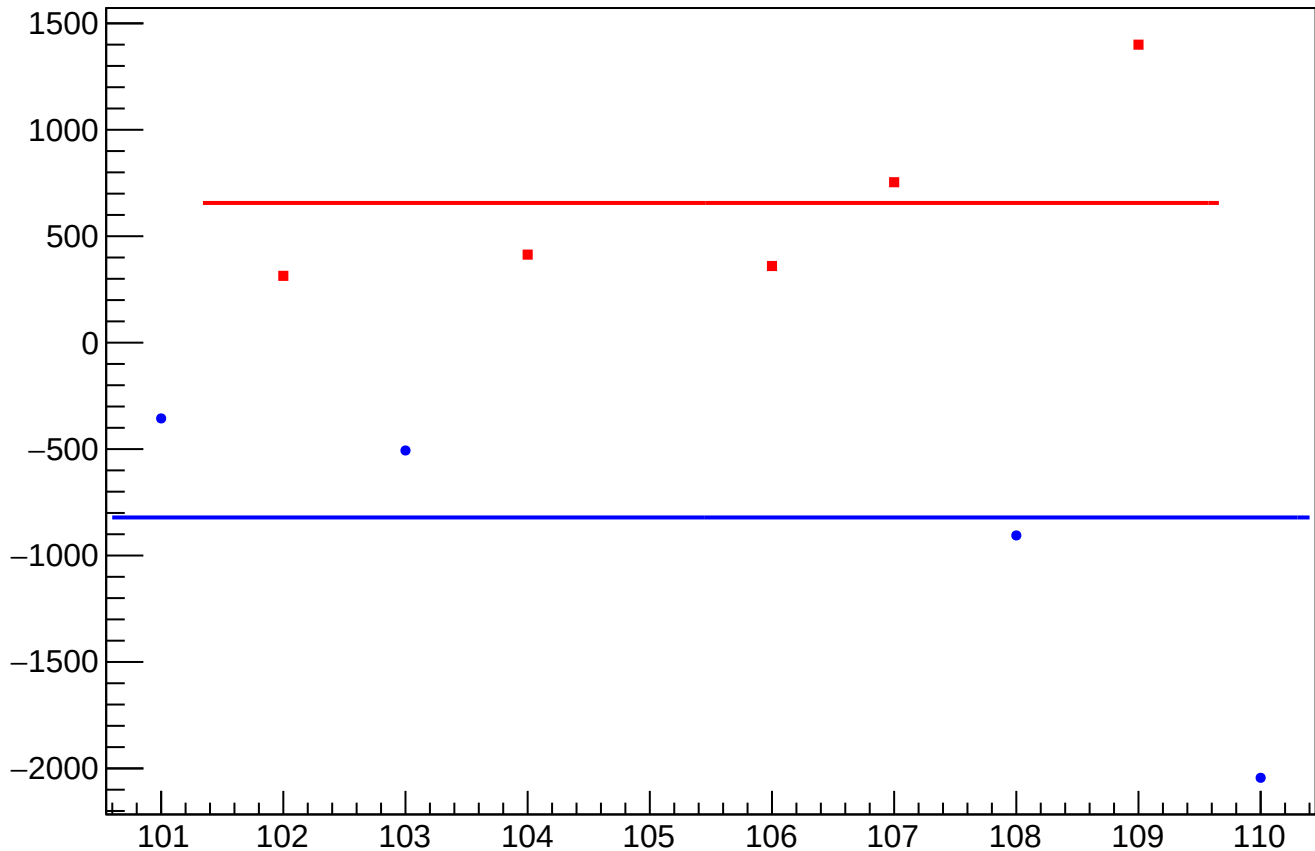
$1052.937 \pm 0.000$   $\chi^2/\text{NDF}: 8670607412761179$

$-91.206 \pm 0.000$   $\chi^2/\text{NDF}: 494856123241$

$-1053.899 \pm 0.000$   $\chi^2/\text{NDF}: 257759454385043$



# dit\_sam8\_coil6\_mean vs Slug, Sign Corrected



Right In: -821.137+/-0.000  $\chi^2/\text{NDF}$ : 71233053313091145189667608415912853504.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 656.297+/-0.000  $\chi^2/\text{NDF}$ : 41064279848875927739838399130105806848.0/4

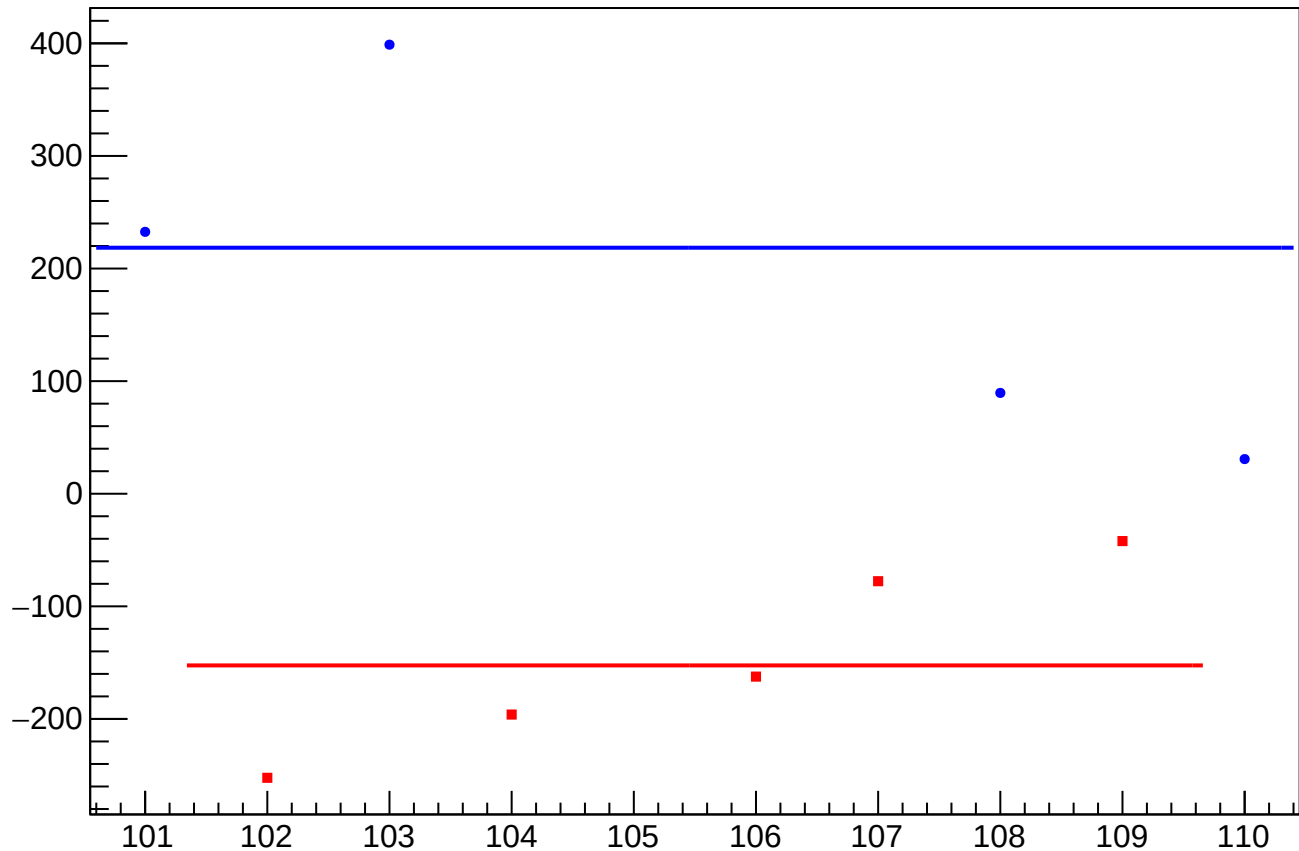
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-821.137+/-0.000  $\chi^2/\text{NDF}$ : 7123305331309114

-18.798+/-0.000  $\chi^2/\text{NDF}$ : 338709152945

656.297+/-0.000  $\chi^2/\text{NDF}$ : 41064279848875927

dit\_sam8\_coil6\_err\_mean vs Slug, Sign Corrected



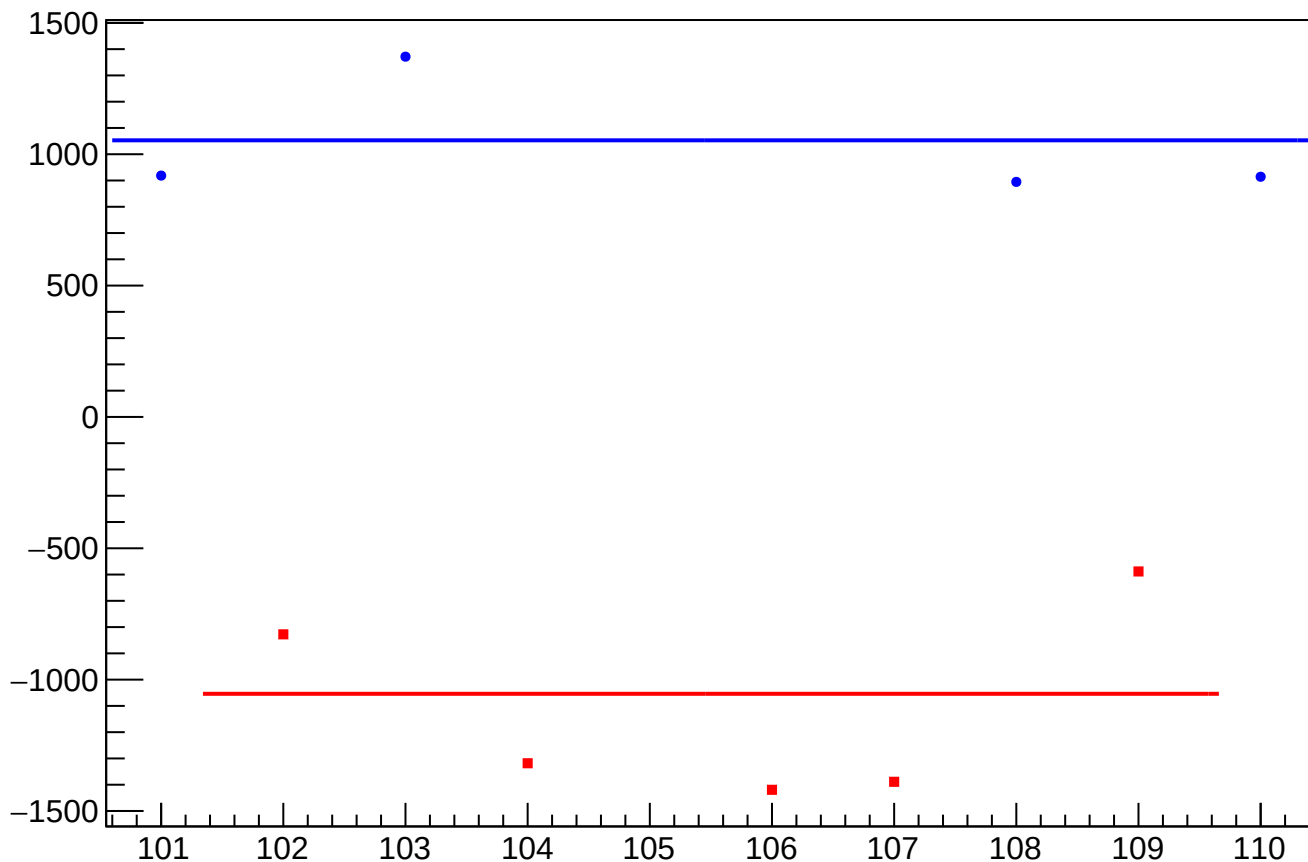
Right In: 218.498+/-0.000  $\chi^2/\text{NDF}$ : 3795434975071293299914105886603214848.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -152.464+/-0.000  $\chi^2/\text{NDF}$ : 1501135357264236995093246470971719680.0/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179872979039446278078464.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.899+/-0.000  $\chi^2/\text{NDF}$ : 25775945438504342305331559964740681728.0/4

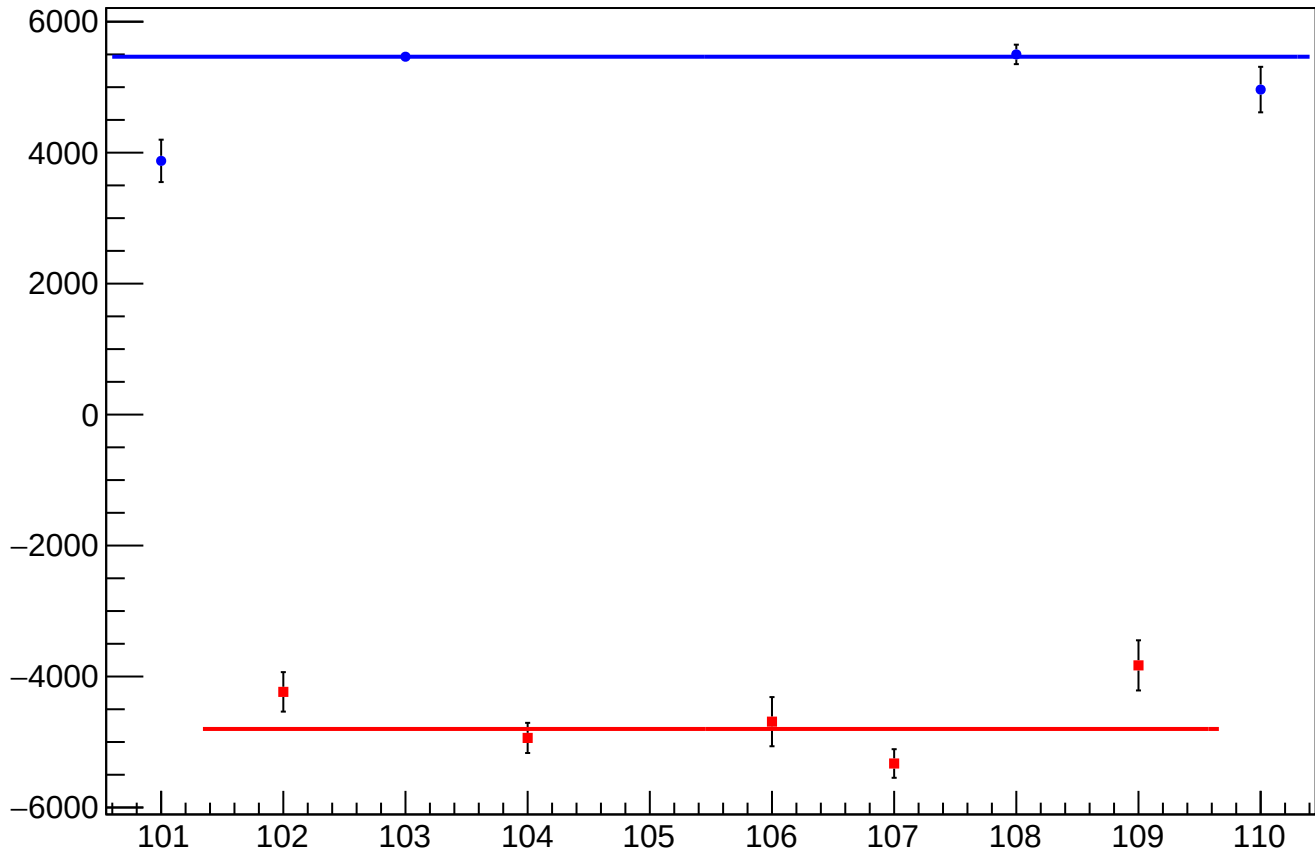
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1052.937+/-0.000  $\chi^2/\text{NDF}$ : 8670607412761179

-91.206+/-0.000  $\chi^2/\text{NDF}$ : 494856123241

-1053.899+/-0.000  $\chi^2/\text{NDF}$ : 257759454385043

# dit\_run\_mean vs Slug, Sign Corrected



Right In: 5465.100+/-0.292  $\chi^2/\text{NDF}$ : 26.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4800.745+/-124.284  $\chi^2/\text{NDF}$ : 16.2/4

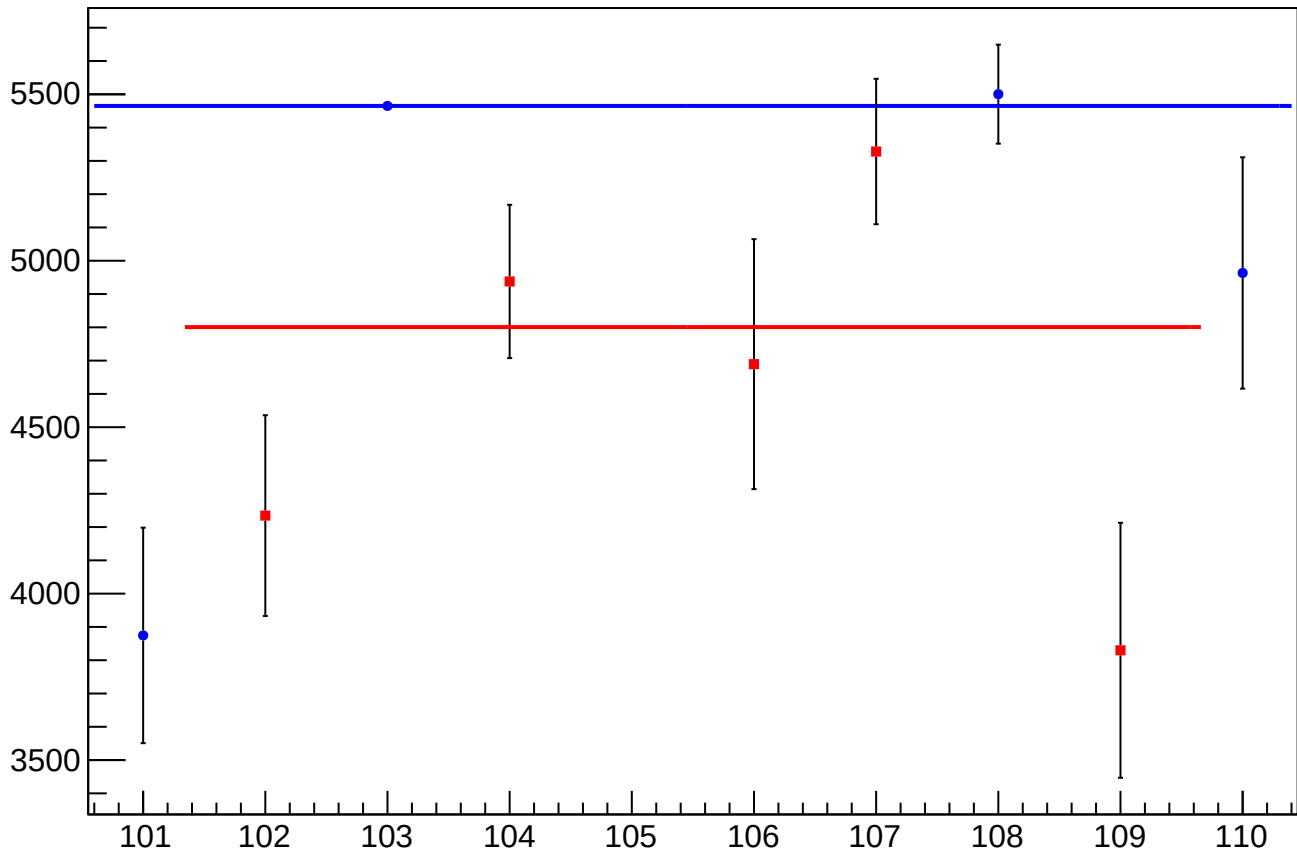
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5465.100+/-0.292  $\chi^2/\text{NDF}$ : 26.3/3

5465.044+/-0.292  $\chi^2/\text{NDF}$ : 6865.2/8

-4800.745+/-124.284  $\chi^2/\text{NDF}$ : 16.2/4

# dit\_run\_rms vs Slug, Sign Corrected



Right In: 5465.100 $\pm$ 0.292  $\chi^2$ /NDF: 26.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4800.745 $\pm$ 124.284  $\chi^2$ /NDF: 16.2/4

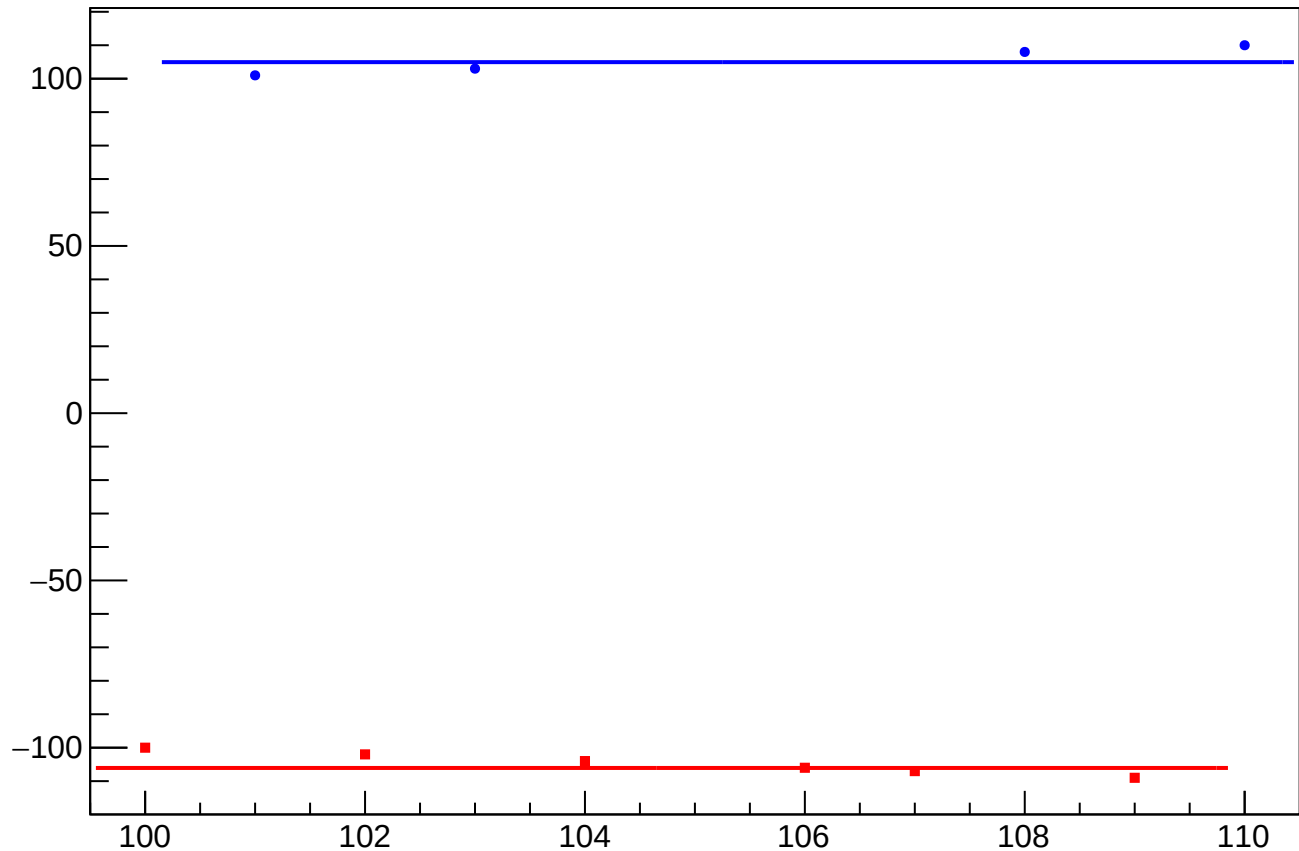
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

5465.100 $\pm$ 0.292  $\chi^2$ /NDF: 26.3/3

5465.097 $\pm$ 0.292  $\chi^2$ /NDF: 71.1/8

4800.745 $\pm$ 124.284  $\chi^2$ /NDF: 16.2/4

# dit\_slug\_slope vs Slug, Sign Corrected



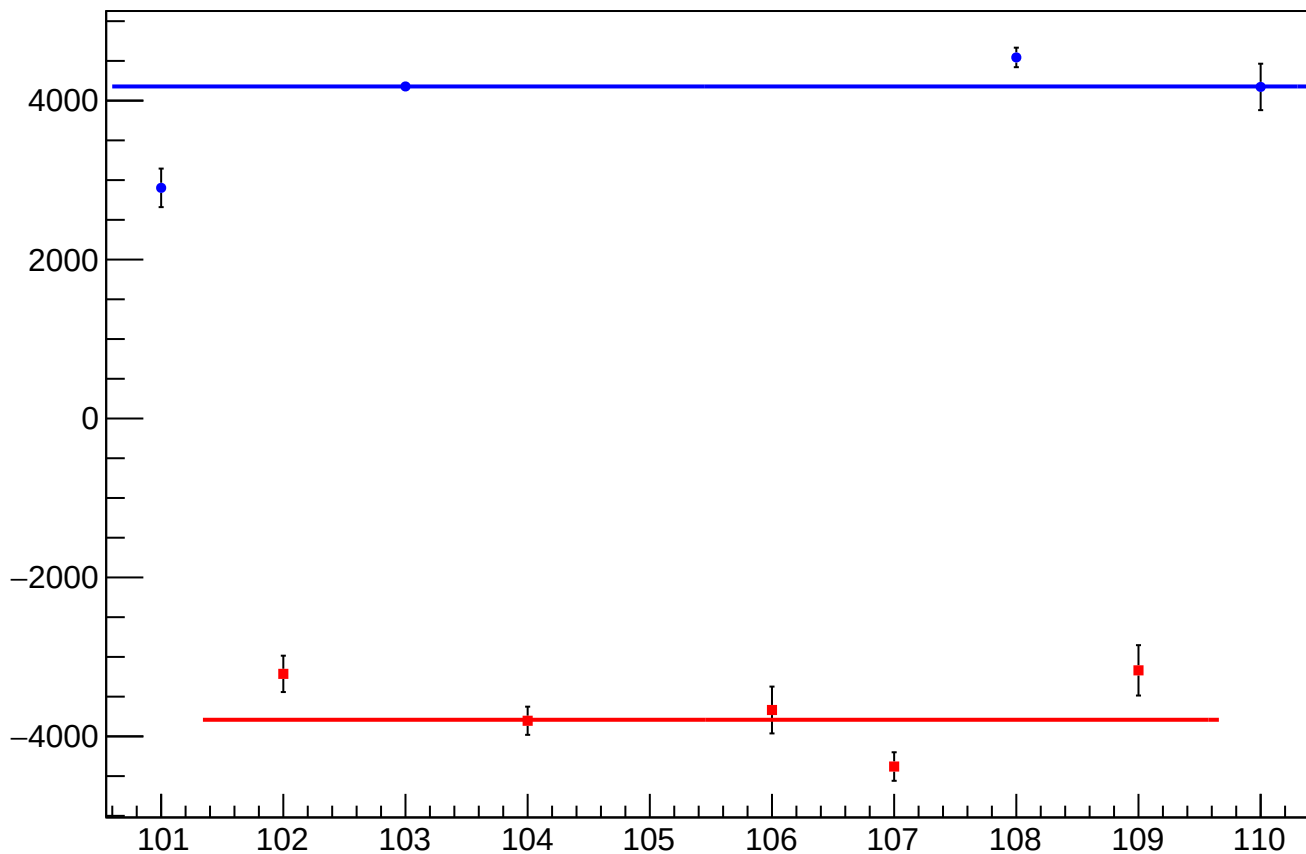
Right In: 104.947+/-0.000  $\chi^2/\text{NDF}$ : 2796441394006748343768182685696.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -106.058+/-0.000  $\chi^2/\text{NDF}$ : 1626224693915072550684711714816.0/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_cyclenum\_mean vs Slug, Sign Corrected



Right In: 4178.430+/-1.602  $\chi^2/\text{NDF}$ : 36.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3791.046+/-98.341  $\chi^2/\text{NDF}$ : 21.1/4

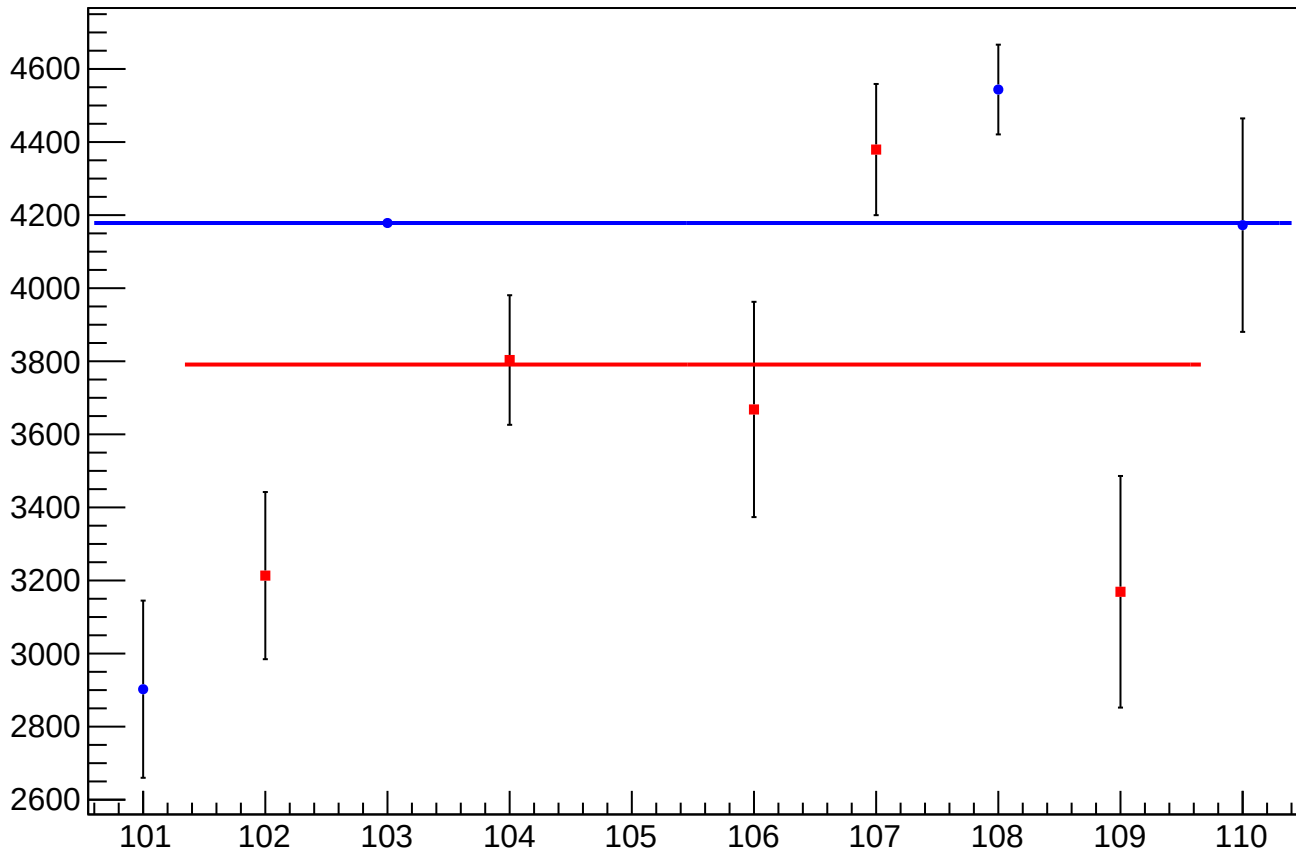
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4178.430+/-1.602  $\chi^2/\text{NDF}$ : 36.5/3

4176.315+/-1.602  $\chi^2/\text{NDF}$ : 6623.3/8

-3791.046+/-98.341  $\chi^2/\text{NDF}$ : 21.1/4

# dit\_cyclenum\_rms vs Slug, Sign Corrected



Right In: 4178.430 $\pm$ 1.602  $\chi^2$ /NDF: 36.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3791.046 $\pm$ 98.341  $\chi^2$ /NDF: 21.1/4

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

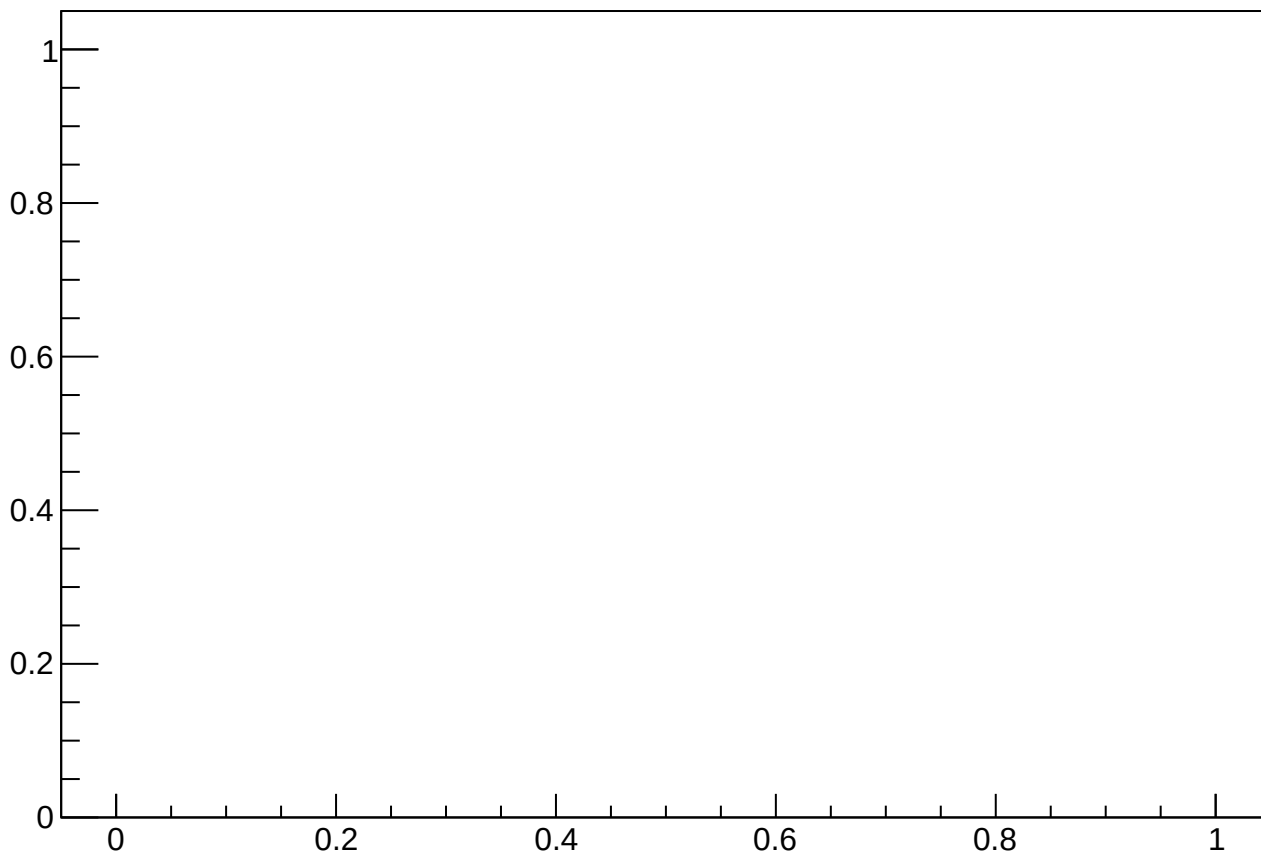
4178.430 $\pm$ 1.602  $\chi^2$ /NDF: 36.5/3

4178.327 $\pm$ 1.602  $\chi^2$ /NDF: 73.2/8

3791.046 $\pm$ 98.341  $\chi^2$ /NDF: 21.1/4



# 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

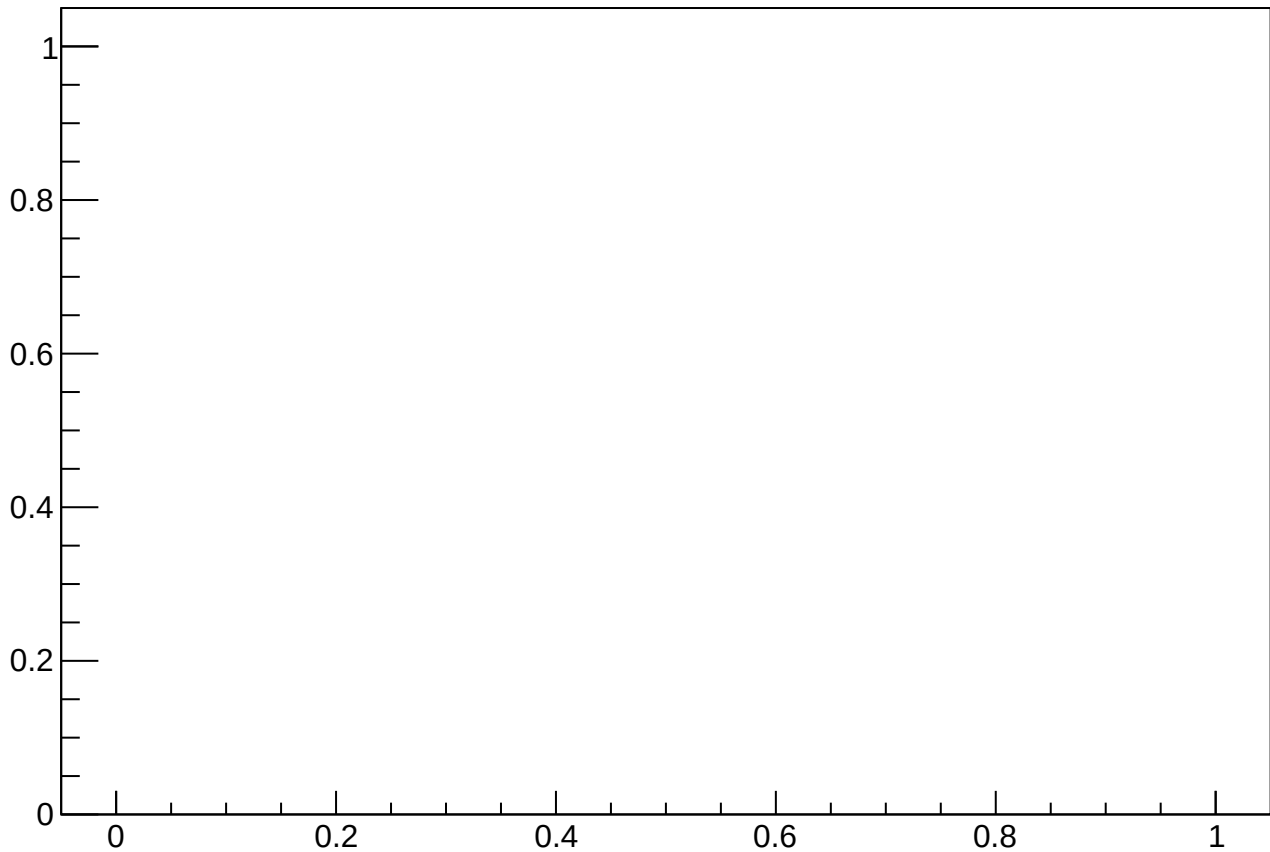
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata1\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

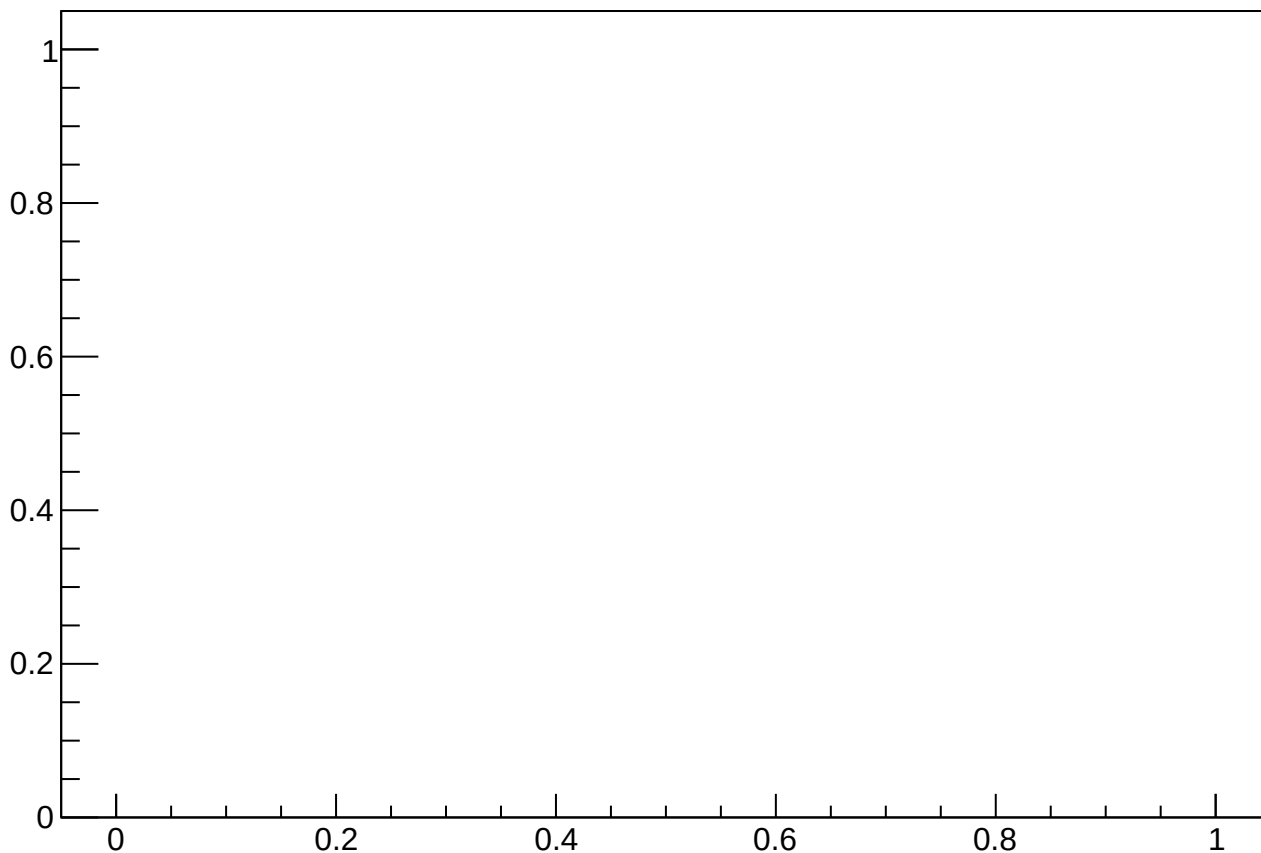
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

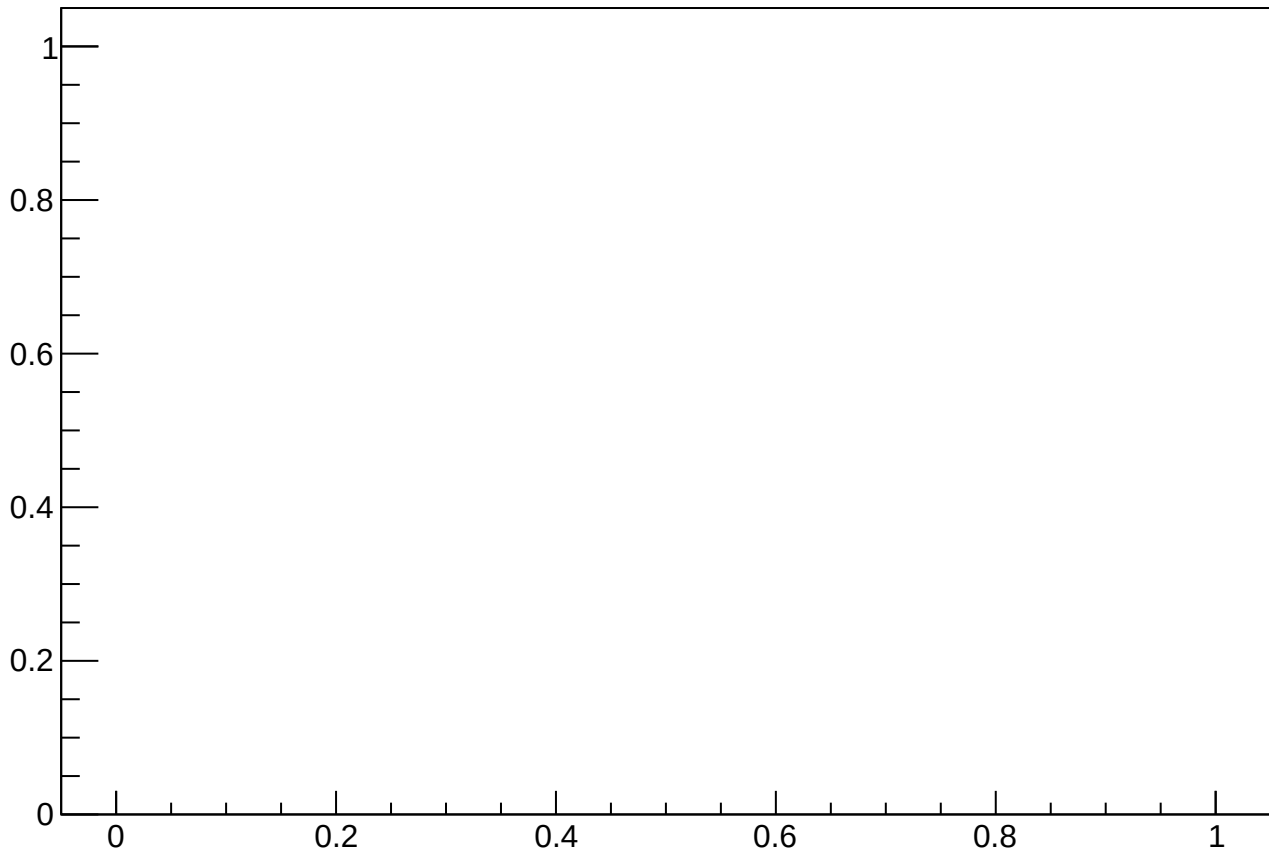
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata2\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

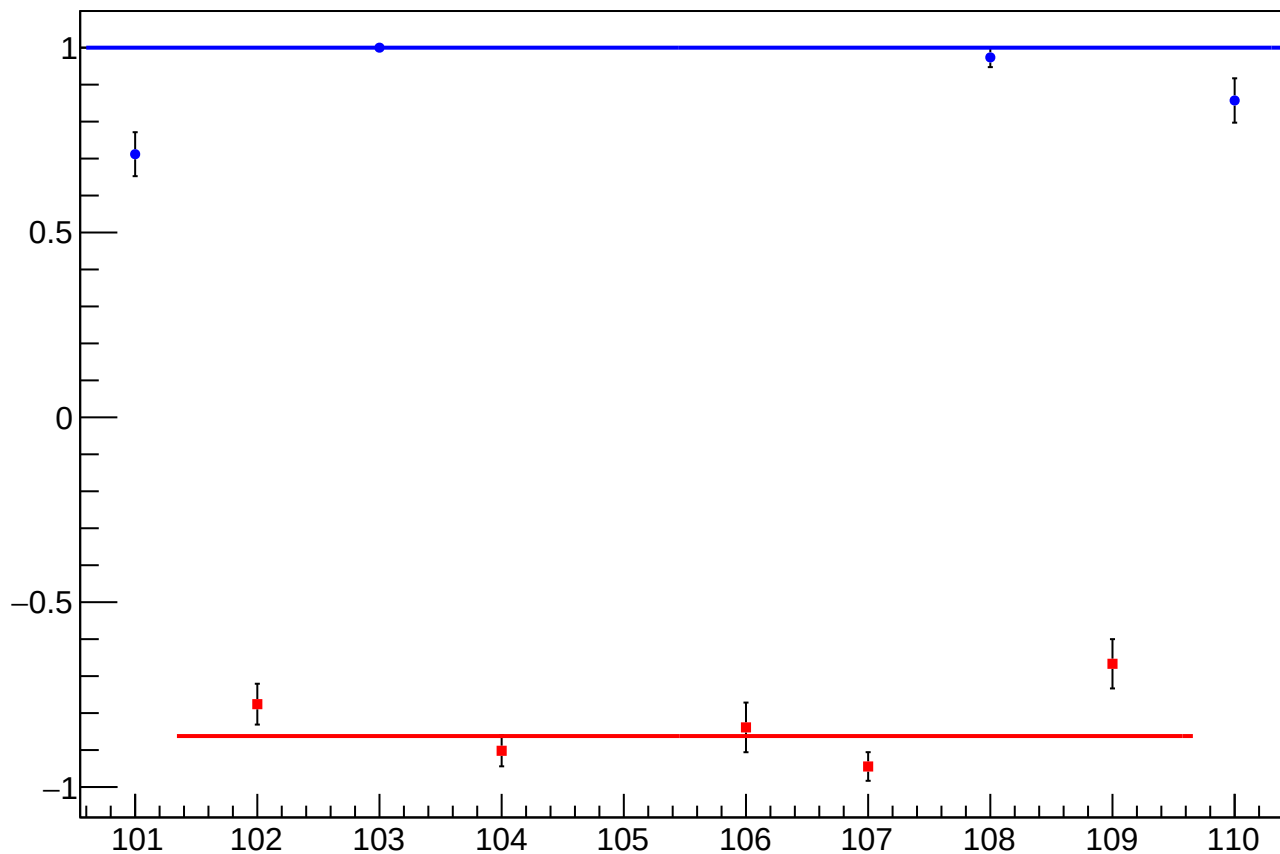
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_mean vs Slug, Sign Corrected



Right In: 1.000+/-0.000  $\chi^2/\text{NDF}$ : 30.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.862+/-0.022  $\chi^2/\text{NDF}$ : 16.6/4

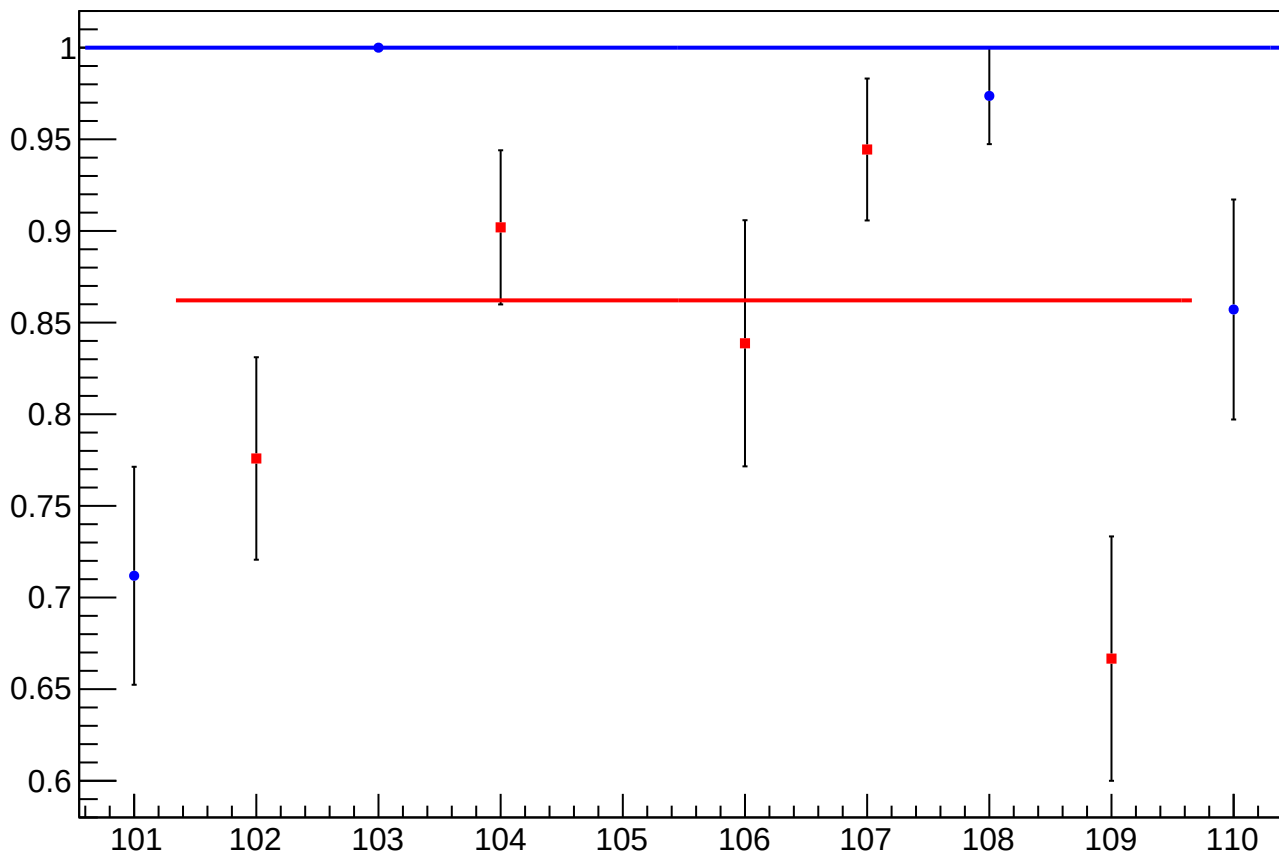
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.000+/-0.000  $\chi^2/\text{NDF}$ : 30.1/3

1.000+/-0.000  $\chi^2/\text{NDF}$ : 7006.1/8

-0.862+/-0.022  $\chi^2/\text{NDF}$ : 16.6/4

# dit\_flag\_rms vs Slug, Sign Corrected



Right In: 1.000 $\pm$ 0.000  $\chi^2$ /NDF: 30.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.862 $\pm$ 0.022  $\chi^2$ /NDF: 16.6/4

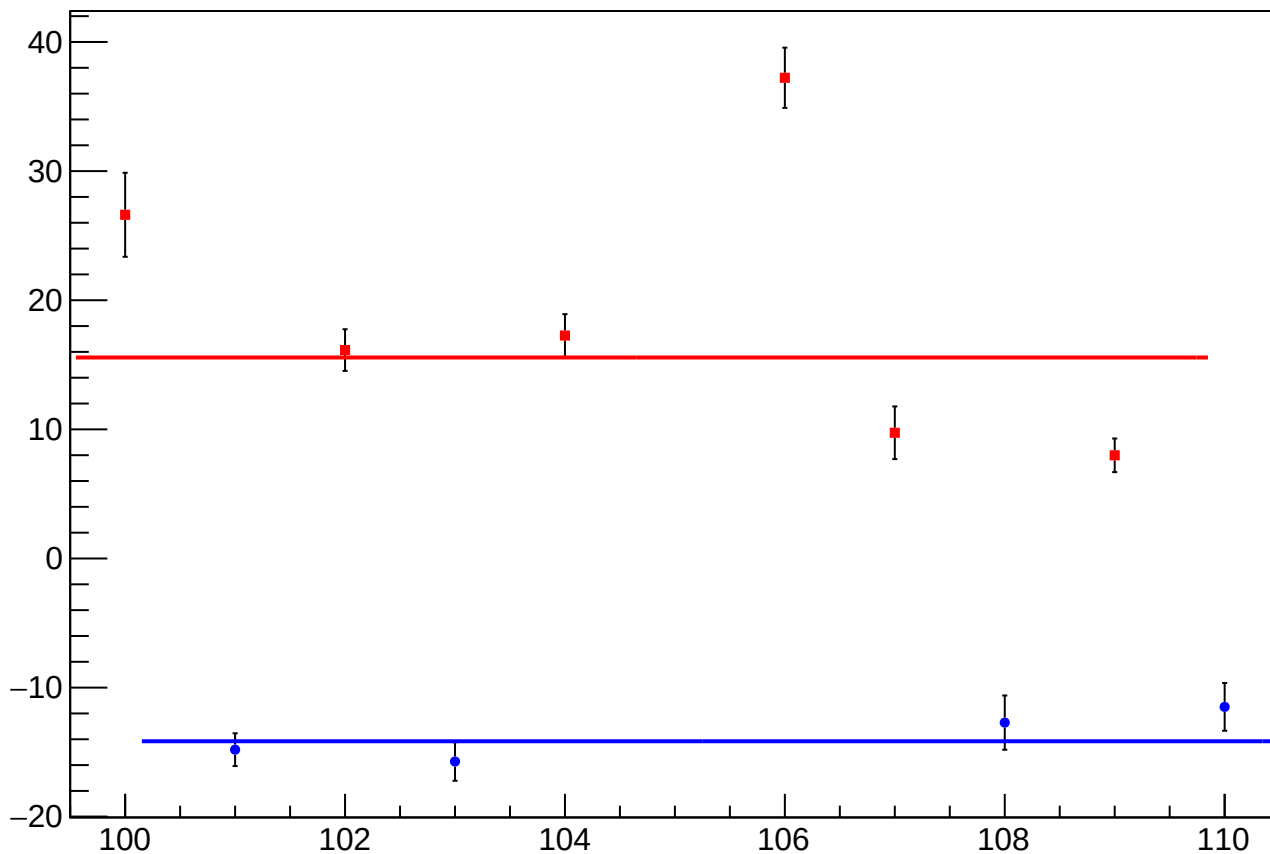
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.000 $\pm$ 0.000  $\chi^2$ /NDF: 30.1/3

1.000 $\pm$ 0.000  $\chi^2$ /NDF: 84.9/8

0.862 $\pm$ 0.022  $\chi^2$ /NDF: 16.6/4

reg\_asym\_sam1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-14.153 \pm 0.794$   $\chi^2/\text{NDF}$ : 3.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $15.566 \pm 0.734$   $\chi^2/\text{NDF}$ : 141.0/5

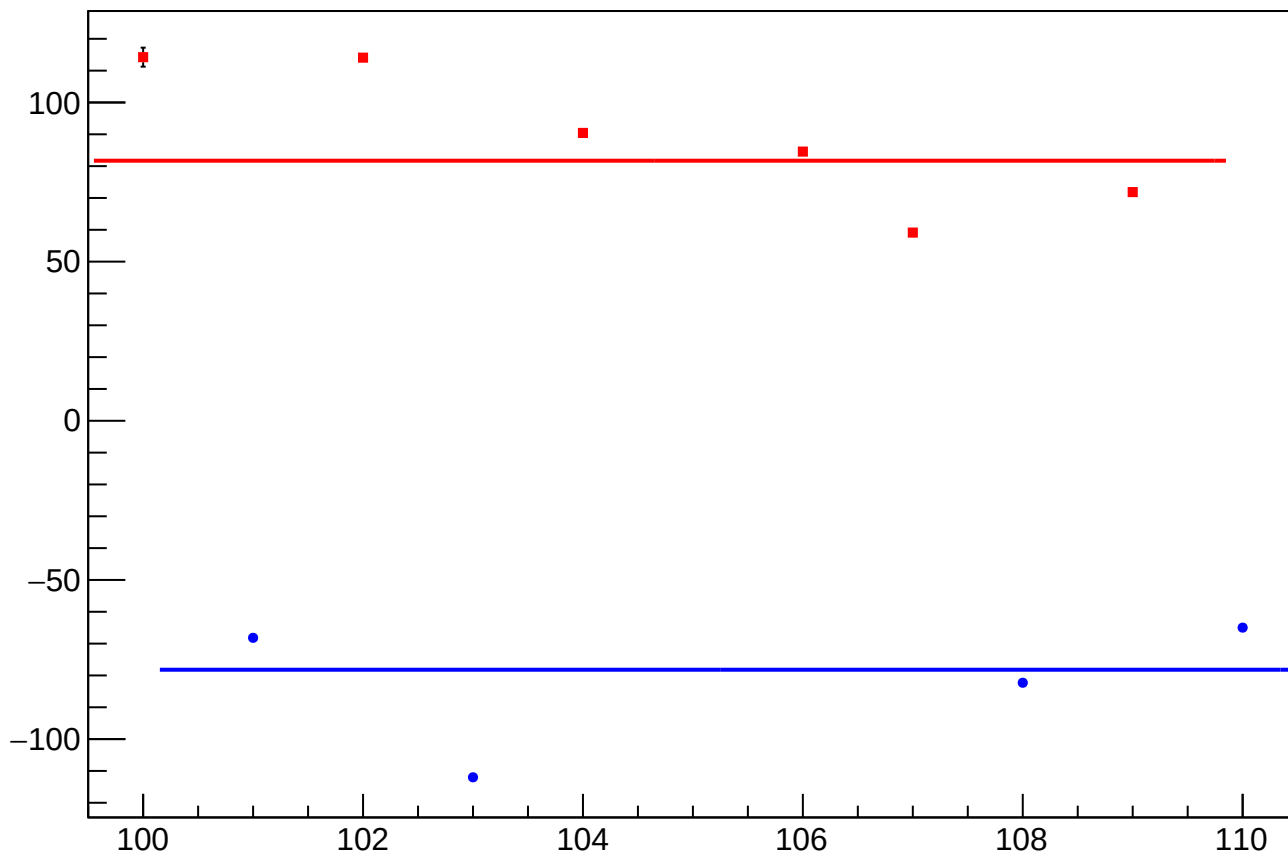
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-14.153 \pm 0.794$   $\chi^2/\text{NDF}$ : 3.9/3

$1.875 \pm 0.539$   $\chi^2/\text{NDF}$ : 900.4/9

$15.566 \pm 0.734$   $\chi^2/\text{NDF}$ : 141.0/5

reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -78.204+/-0.479  $\chi^2/\text{NDF}$ : 1273.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 81.705+/-0.481  $\chi^2/\text{NDF}$ : 1739.0/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

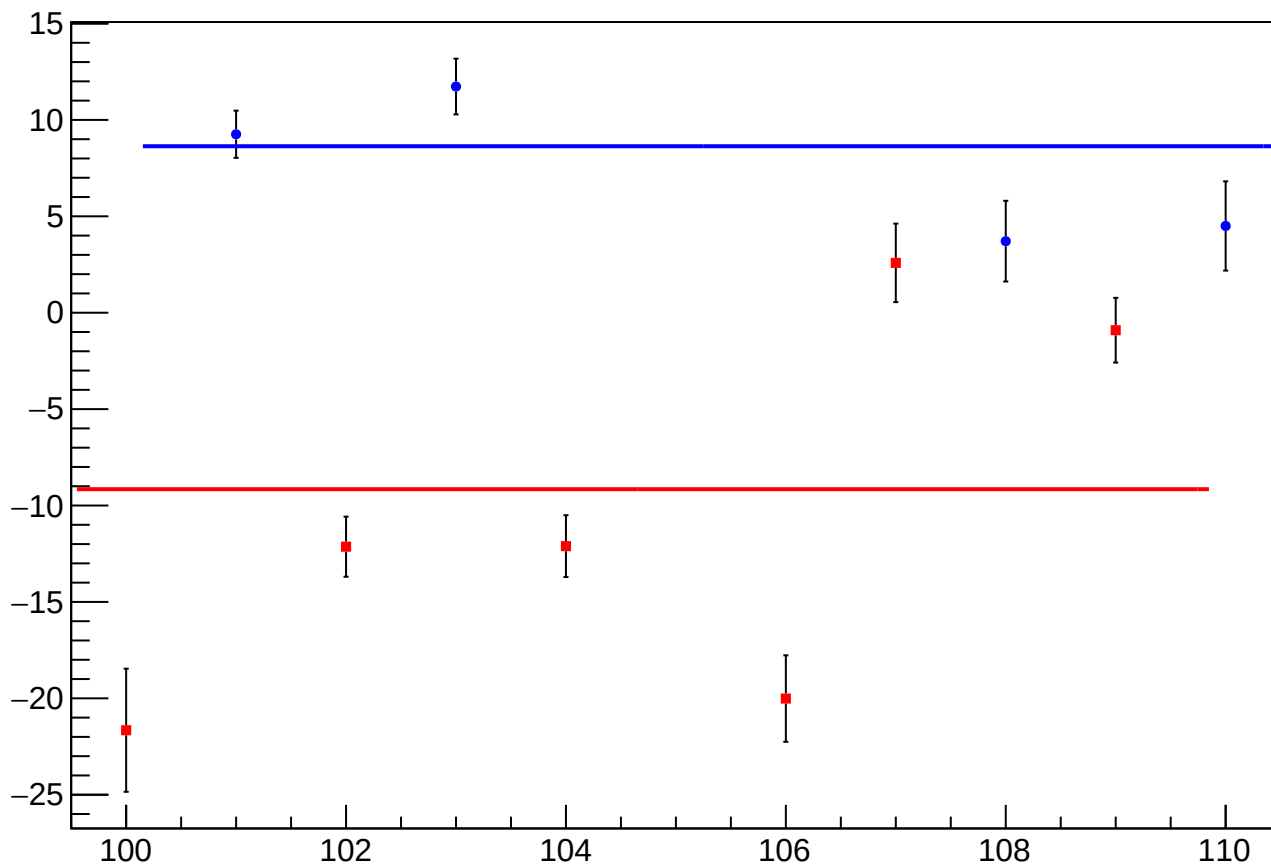
-78.204+/-0.479  $\chi^2/\text{NDF}$ : 1273.4/3

1.442+/-0.340  $\chi^2/\text{NDF}$ : 58429.0/9

81.705+/-0.481  $\chi^2/\text{NDF}$ : 1739.0/5



reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 8.636 $\pm$ 0.801  $\chi^2$ /NDF: 13.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -9.152 $\pm$ 0.768  $\chi^2$ /NDF: 103.2/5

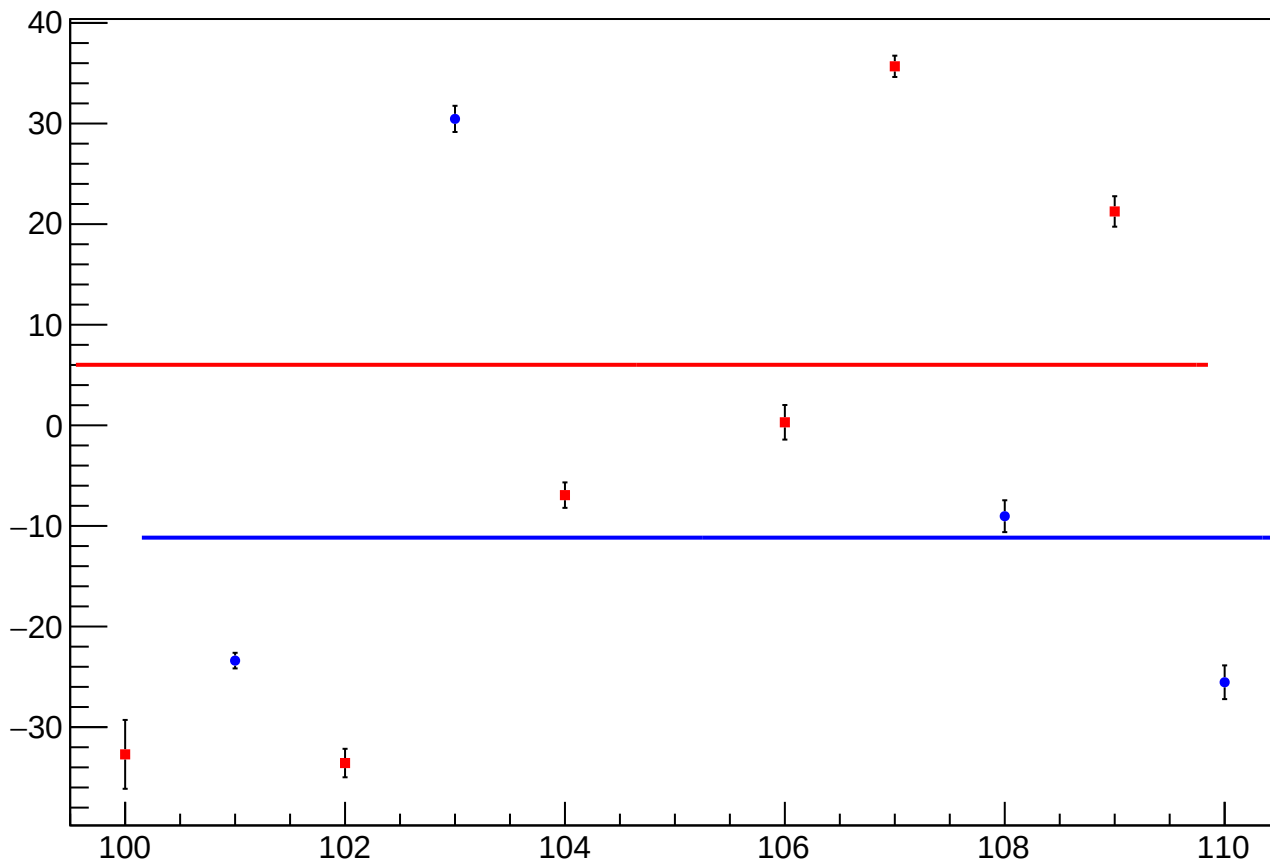
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

8.636 $\pm$ 0.801  $\chi^2$ /NDF: 13.6/3

-0.623 $\pm$ 0.554  $\chi^2$ /NDF: 373.8/9

-9.152 $\pm$ 0.768  $\chi^2$ /NDF: 103.2/5

reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -11.164 $\pm$ 0.577  $\chi^2$ /NDF: 1346.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.017 $\pm$ 0.590  $\chi^2$ /NDF: 1912.5/5

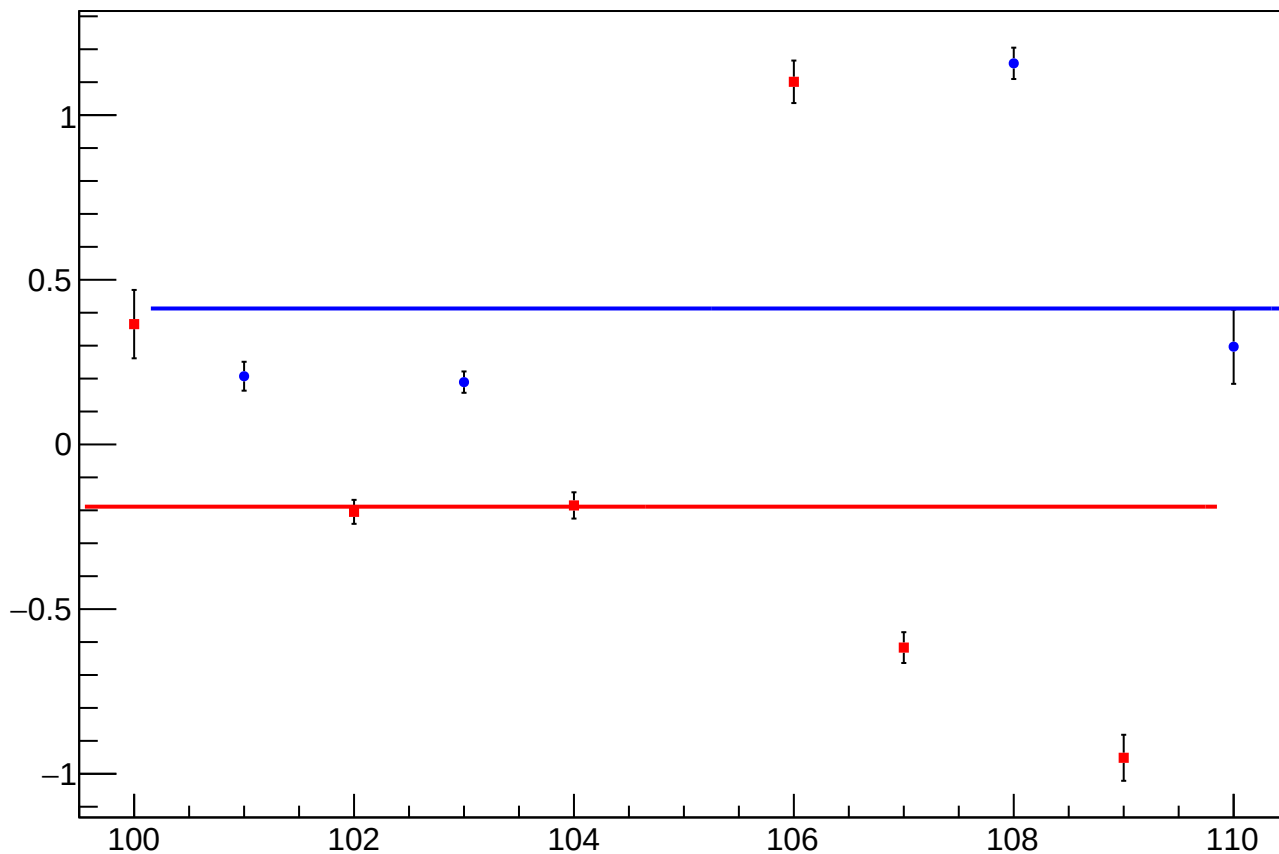
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-11.164 $\pm$ 0.577  $\chi^2$ /NDF: 1346.9/3

-2.767 $\pm$ 0.412  $\chi^2$ /NDF: 3693.4/9

6.017 $\pm$ 0.590  $\chi^2$ /NDF: 1912.5/5

reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.413+/-0.022  $\chi^2/\text{NDF}$ : 315.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.189+/-0.021  $\chi^2/\text{NDF}$ : 631.3/5

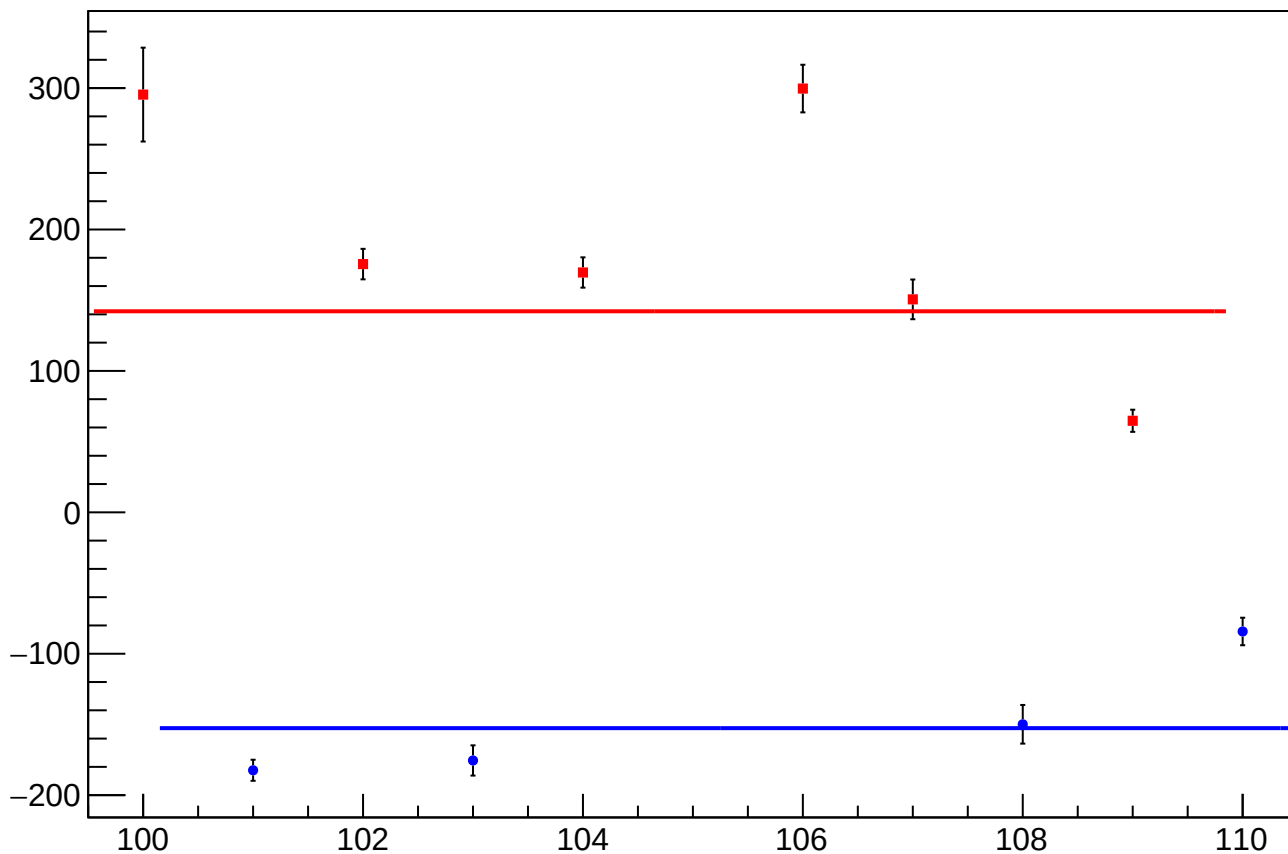
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.413+/-0.022  $\chi^2/\text{NDF}$ : 315.4/3

0.085+/-0.015  $\chi^2/\text{NDF}$ : 1339.3/9

-0.189+/-0.021  $\chi^2/\text{NDF}$ : 631.3/5

reg\_asym\_sam2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -152.616 $\pm$ 4.839  $\chi^2$ /NDF: 70.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 142.163 $\pm$ 4.814  $\chi^2$ /NDF: 223.2/5

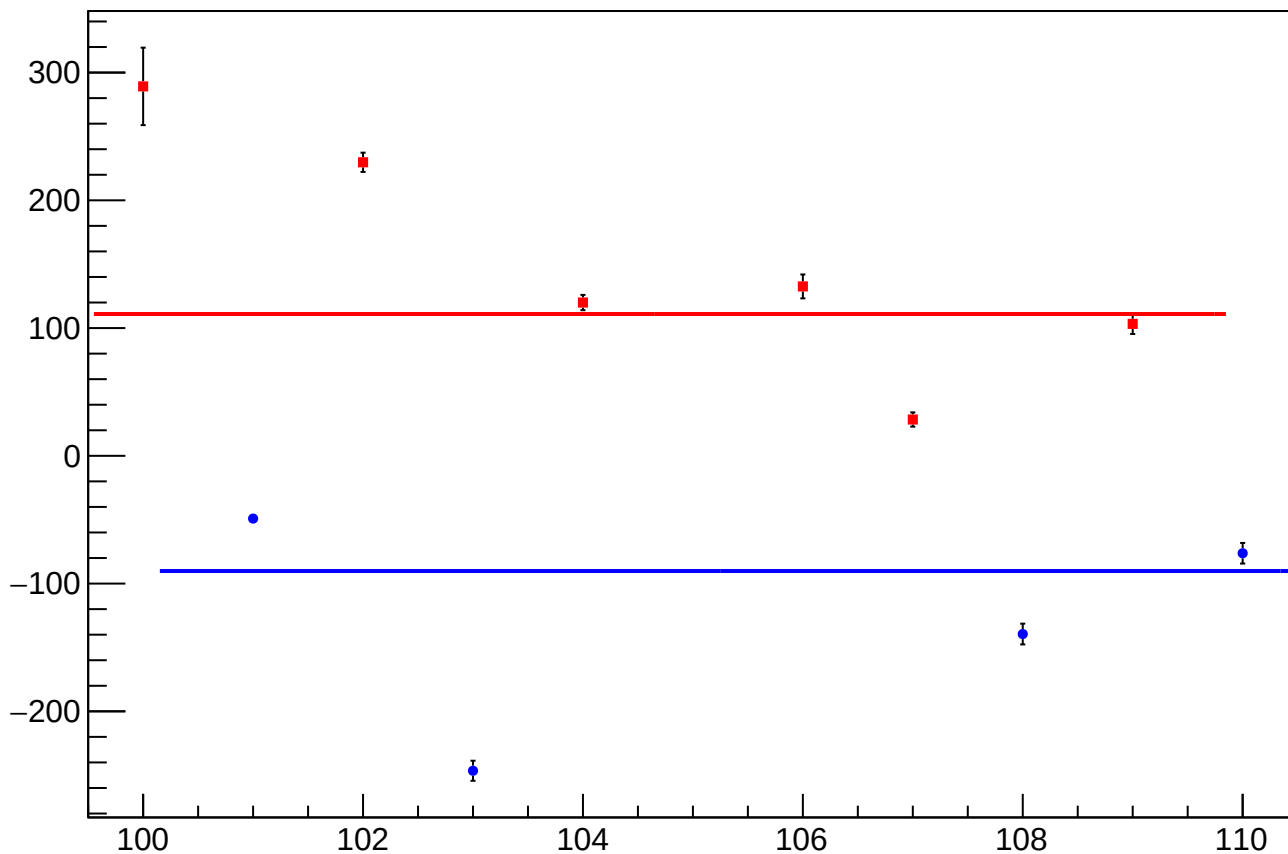
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-152.616 $\pm$ 4.839  $\chi^2$ /NDF: 70.0/3

-4.471 $\pm$ 3.413  $\chi^2$ /NDF: 2158.5/9

142.163 $\pm$ 4.814  $\chi^2$ /NDF: 223.2/5

reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-90.165 \pm 2.870$   $\chi^2/\text{NDF}$ : 561.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $111.008 \pm 3.068$   $\chi^2/\text{NDF}$ : 511.1/5

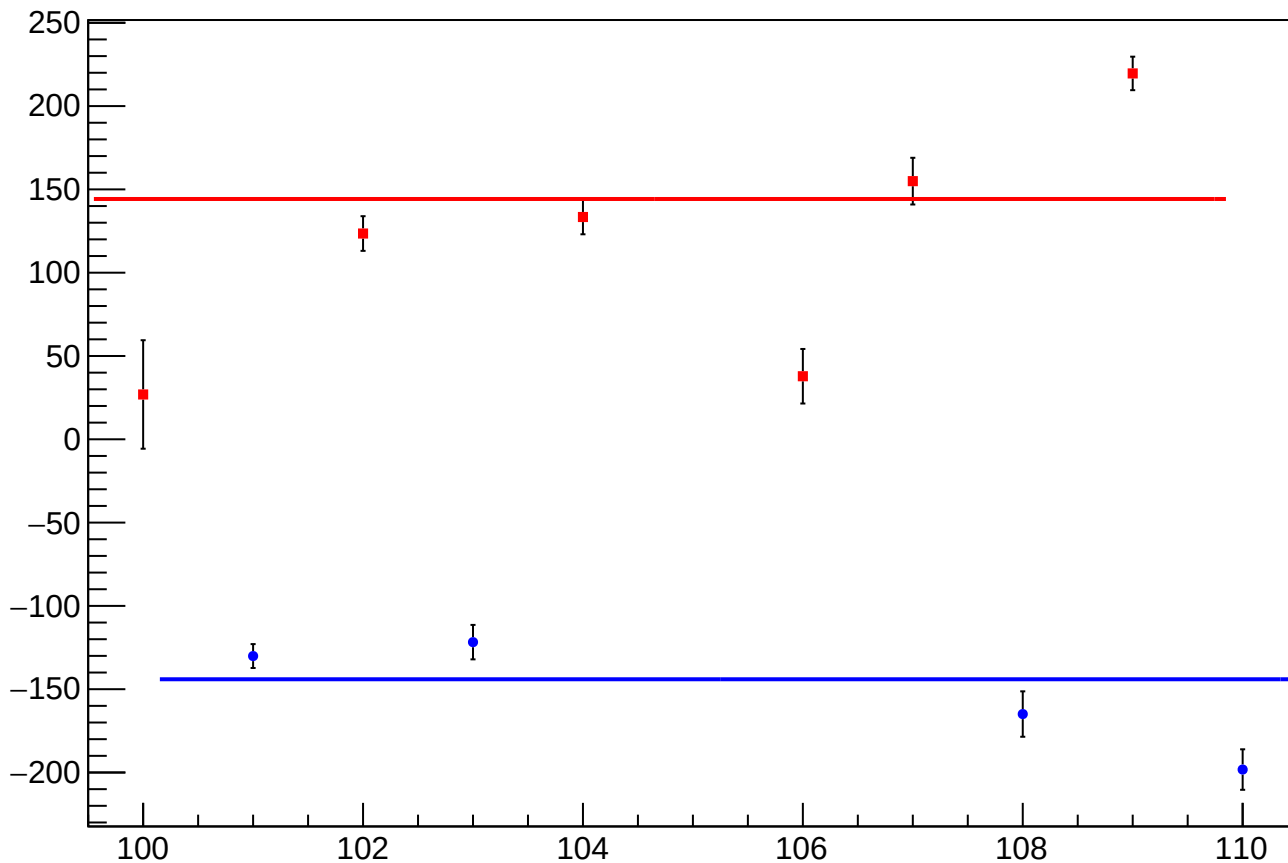
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-90.165 \pm 2.870$   $\chi^2/\text{NDF}$ : 561.2/3

$3.725 \pm 2.096$   $\chi^2/\text{NDF}$ : 3365.2/9

$111.008 \pm 3.068$   $\chi^2/\text{NDF}$ : 511.1/5

reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -144.039 $\pm$ 4.942  $\chi^2$ /NDF: 30.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 144.237 $\pm$ 5.117  $\chi^2$ /NDF: 117.0/5

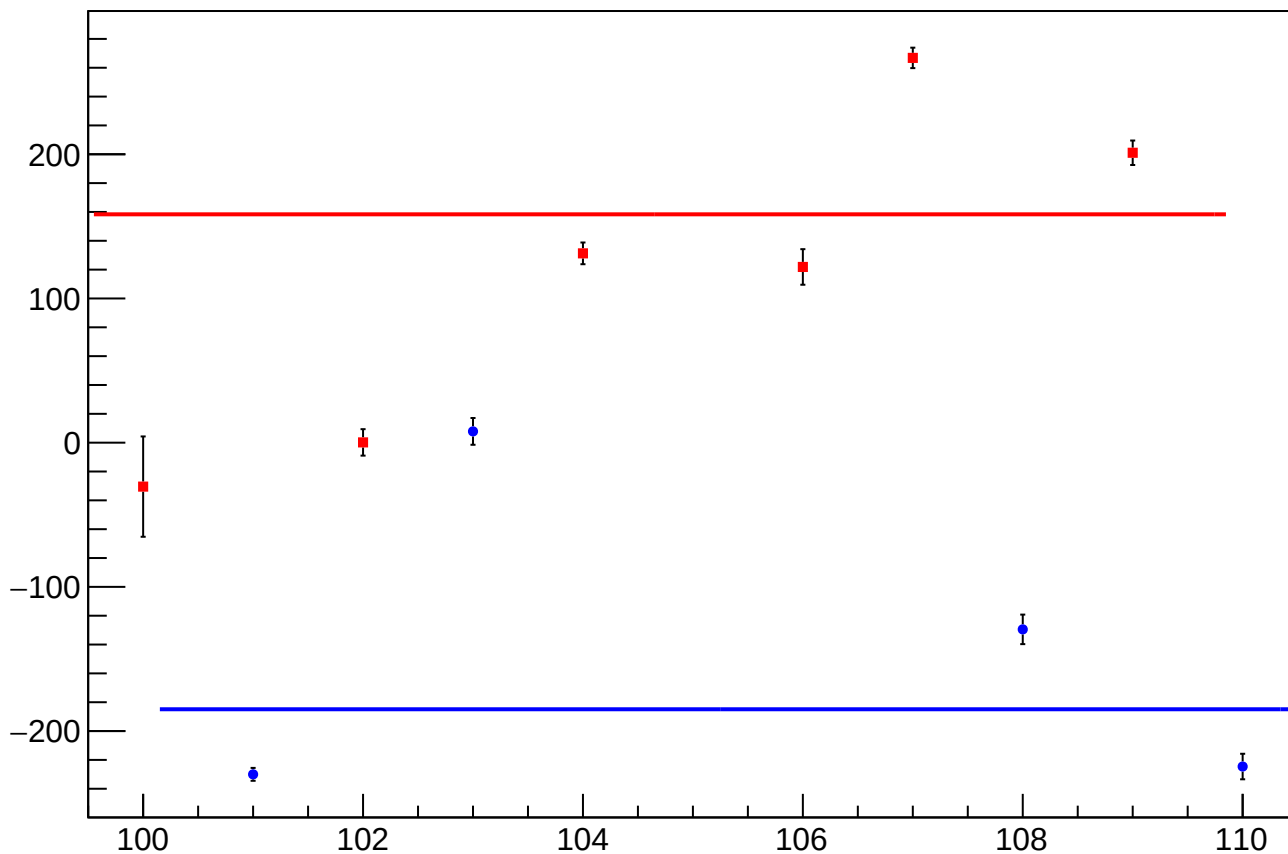
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-144.039 $\pm$ 4.942  $\chi^2$ /NDF: 30.6/3

-4.909 $\pm$ 3.555  $\chi^2$ /NDF: 1789.6/9

144.237 $\pm$ 5.117  $\chi^2$ /NDF: 117.0/5

reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-184.879 \pm 3.452$   $\chi^2/\text{NDF}$ : 582.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $158.355 \pm 3.760$   $\chi^2/\text{NDF}$ : 608.0/5

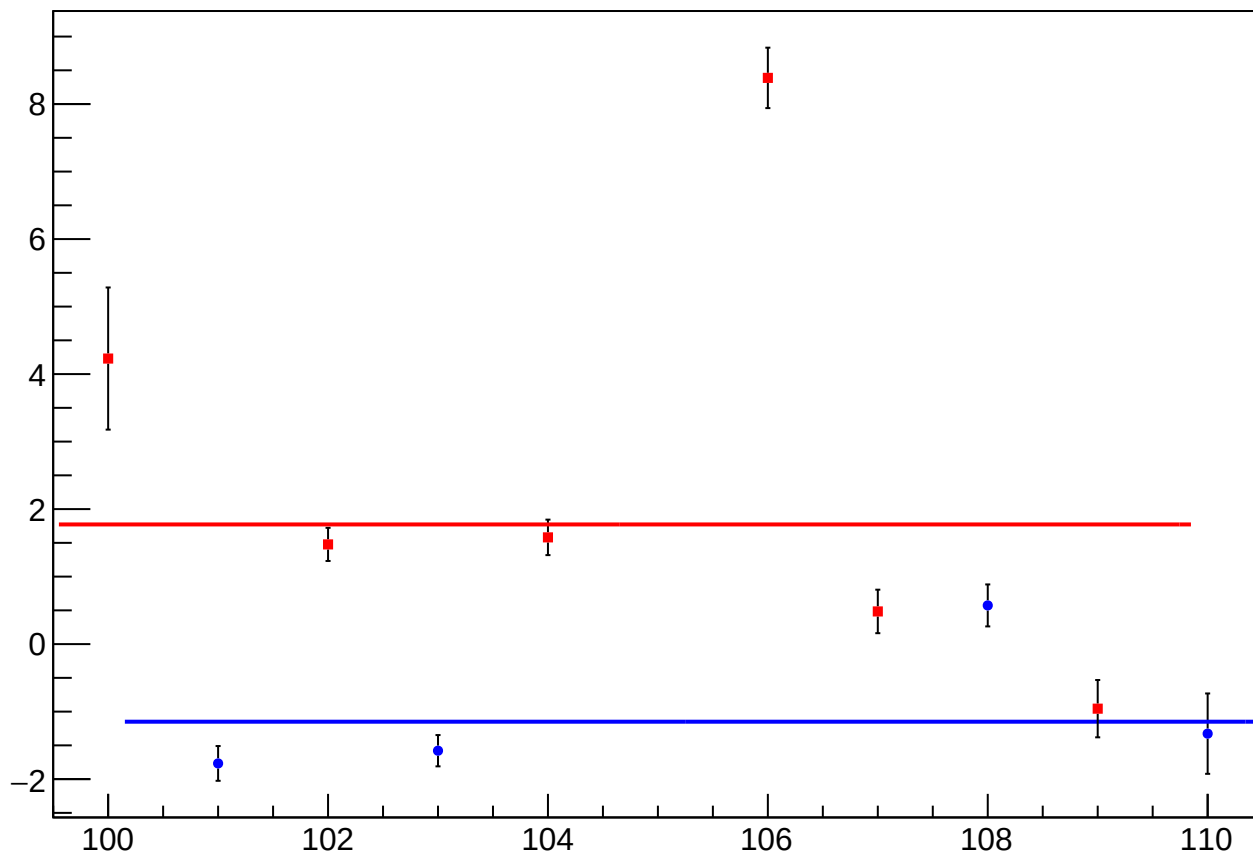
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-184.879 \pm 3.452$   $\chi^2/\text{NDF}$ : 582.3/3

$-27.892 \pm 2.543$   $\chi^2/\text{NDF}$ : 5712.5/9

$158.355 \pm 3.760$   $\chi^2/\text{NDF}$ : 608.0/5

reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.149+/-0.146  $\chi^2/\text{NDF}$ : 40.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.773+/-0.138  $\chi^2/\text{NDF}$ : 283.2/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

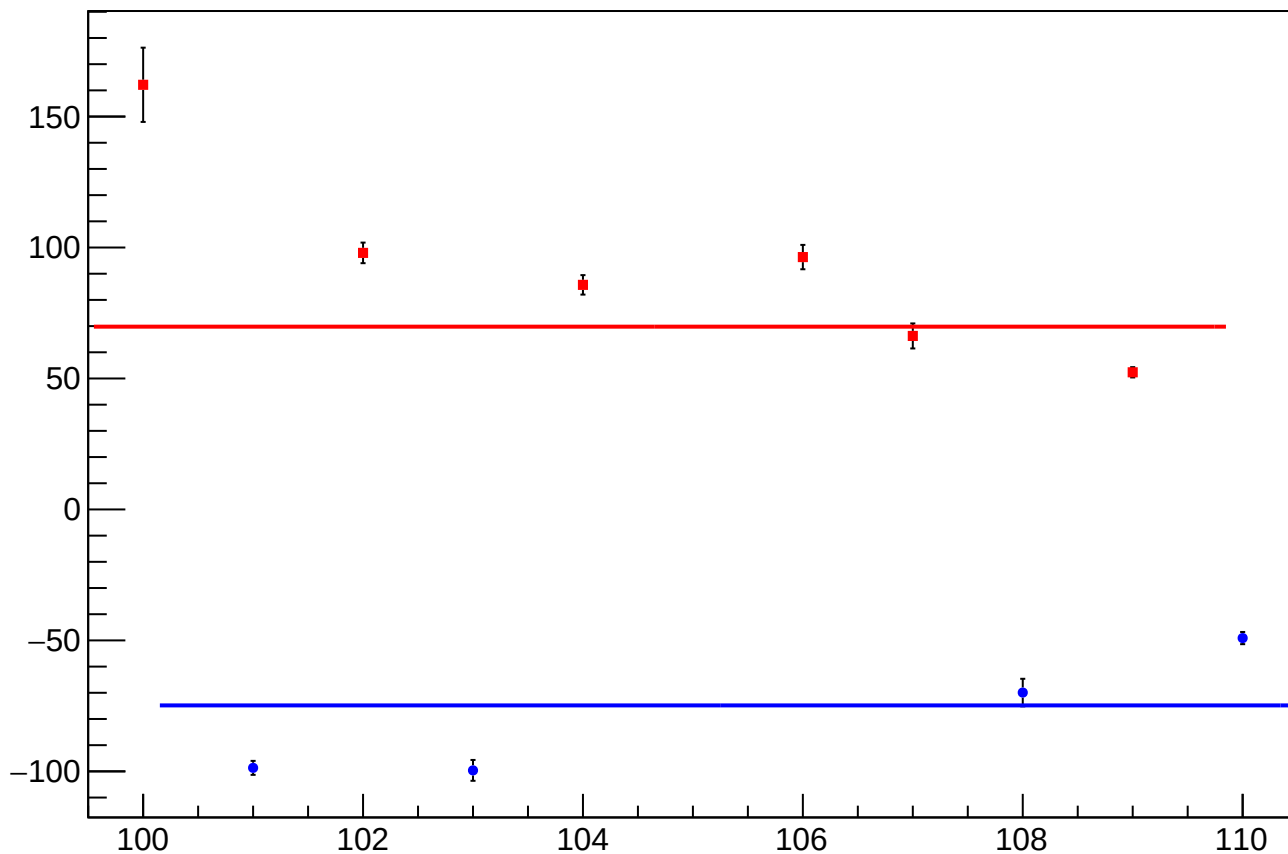
-1.149+/-0.146  $\chi^2/\text{NDF}$ : 40.0/3

0.390+/-0.100  $\chi^2/\text{NDF}$ : 533.9/9

1.773+/-0.138  $\chi^2/\text{NDF}$ : 283.2/5



reg\_asym\_sam3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-74.817 \pm 1.535$   $\chi^2/\text{NDF}$ : 241.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $69.785 \pm 1.427$   $\chi^2/\text{NDF}$ : 224.0/5

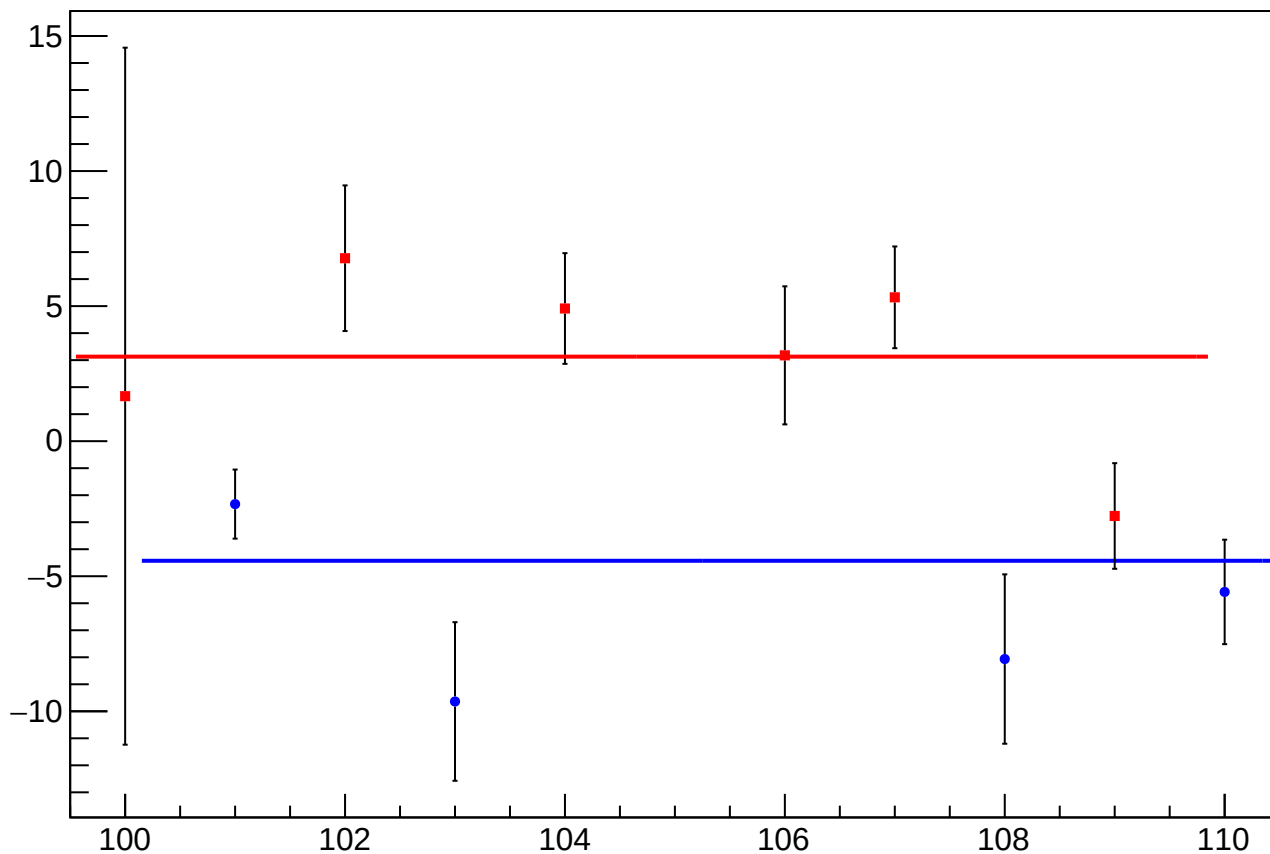
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-74.817 \pm 1.535$   $\chi^2/\text{NDF}$ : 241.5/3

$2.757 \pm 1.045$   $\chi^2/\text{NDF}$ : 5224.7/9

$69.785 \pm 1.427$   $\chi^2/\text{NDF}$ : 224.0/5

reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -4.428+/-0.955  $\chi^2/\text{NDF}$ : 7.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.129+/-0.963  $\chi^2/\text{NDF}$ : 13.1/5

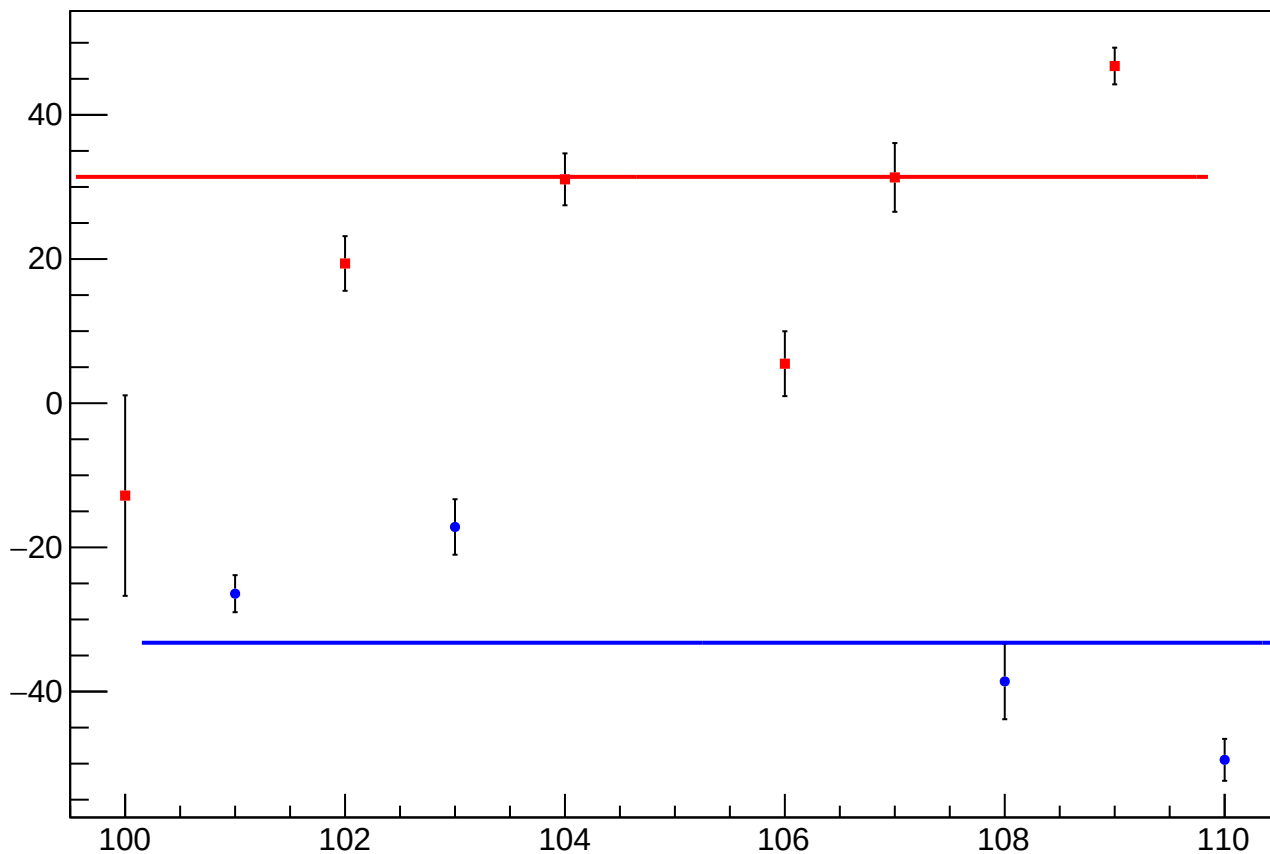
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.428+/-0.955  $\chi^2/\text{NDF}$ : 7.5/3

-0.681+/-0.678  $\chi^2/\text{NDF}$ : 51.7/9

3.129+/-0.963  $\chi^2/\text{NDF}$ : 13.1/5

reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -33.228 $\pm$ 1.636  $\chi^2$ /NDF: 56.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 31.401 $\pm$ 1.582  $\chi^2$ /NDF: 89.8/5

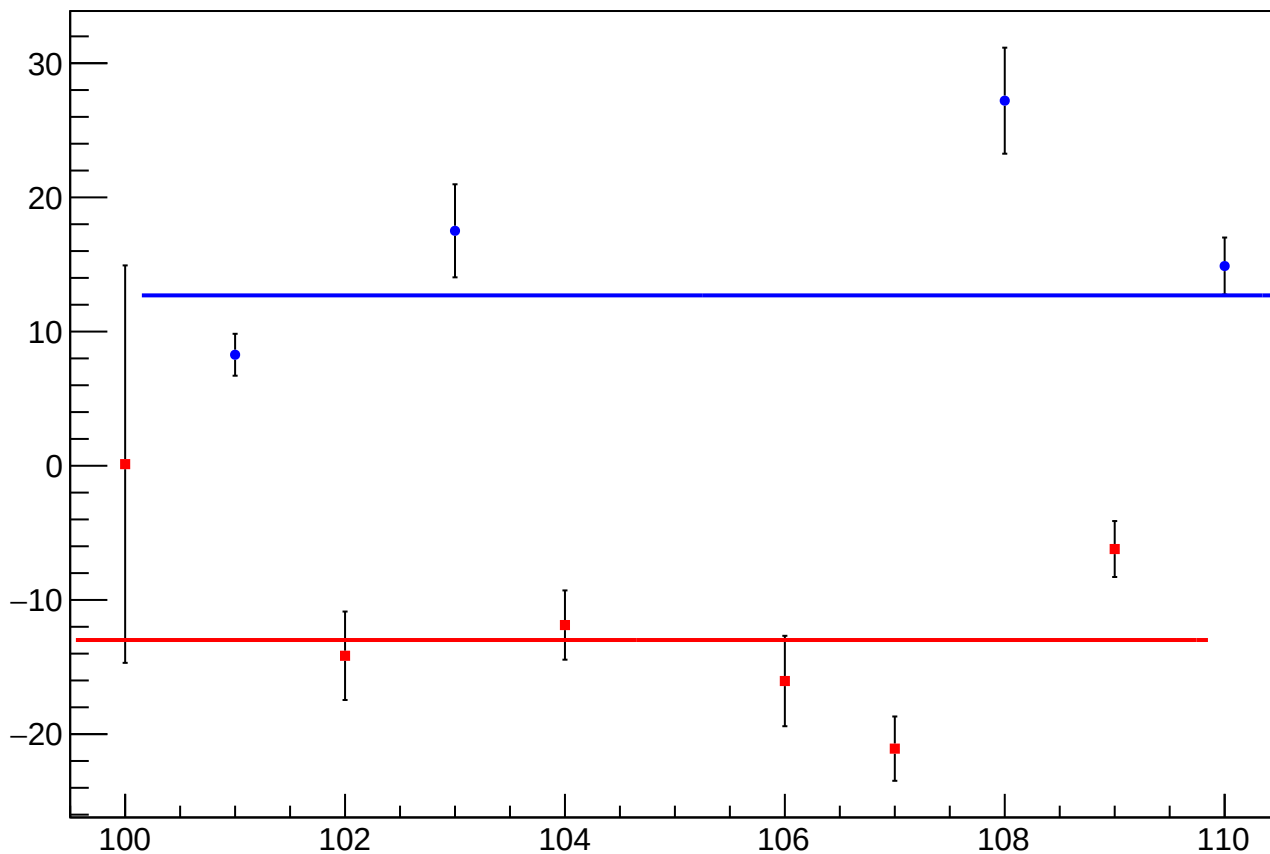
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-33.228 $\pm$ 1.636  $\chi^2$ /NDF: 56.7/3

0.178 $\pm$ 1.137  $\chi^2$ /NDF: 952.8/9

31.401 $\pm$ 1.582  $\chi^2$ /NDF: 89.8/5

reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 12.697+/-1.133  $\chi^2/\text{NDF}$ : 24.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -12.986+/-1.163  $\chi^2/\text{NDF}$ : 23.9/5

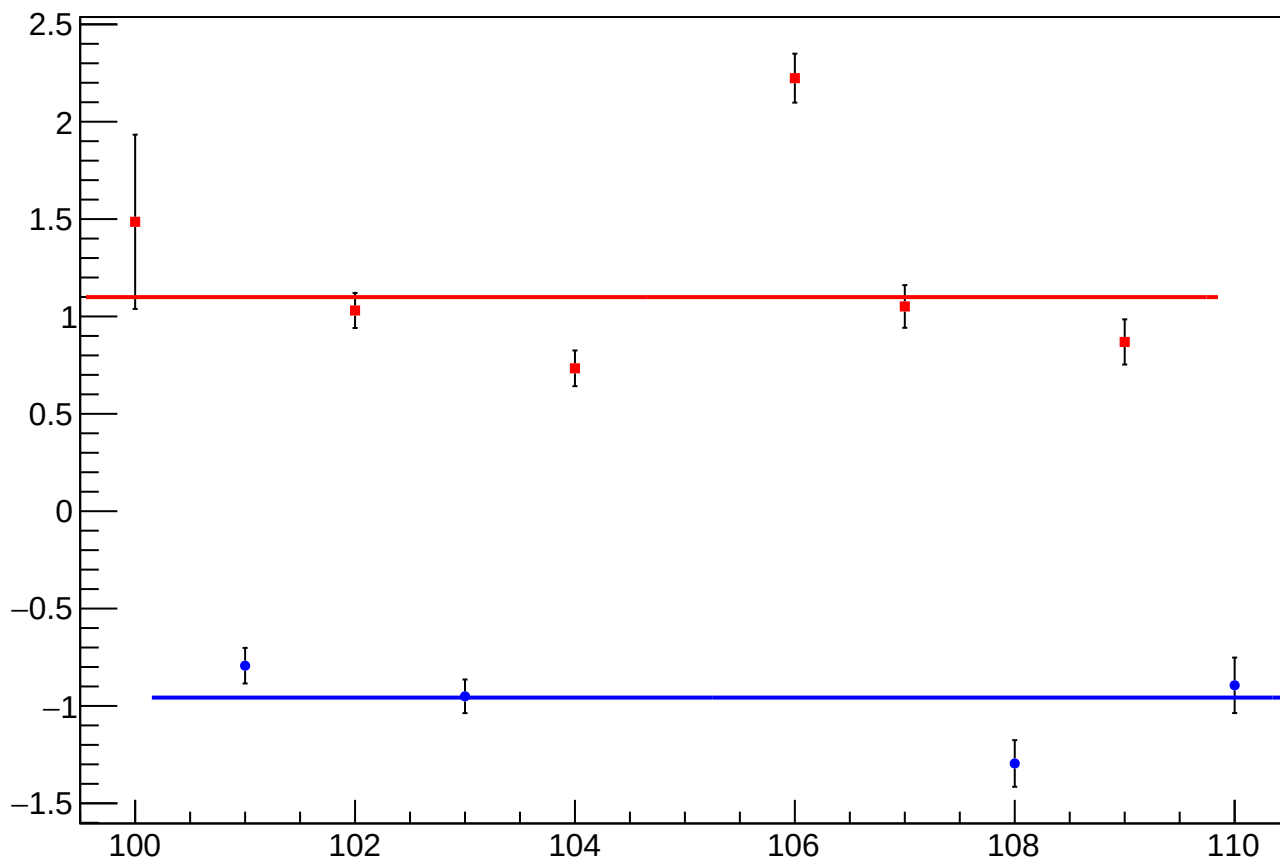
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

12.697+/-1.133  $\chi^2/\text{NDF}$ : 24.5/3

0.193+/-0.812  $\chi^2/\text{NDF}$ : 298.6/9

-12.986+/-1.163  $\chi^2/\text{NDF}$ : 23.9/5

reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.957+/-0.052  $\chi^2/\text{NDF}$ : 11.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.099+/-0.046  $\chi^2/\text{NDF}$ : 101.3/5

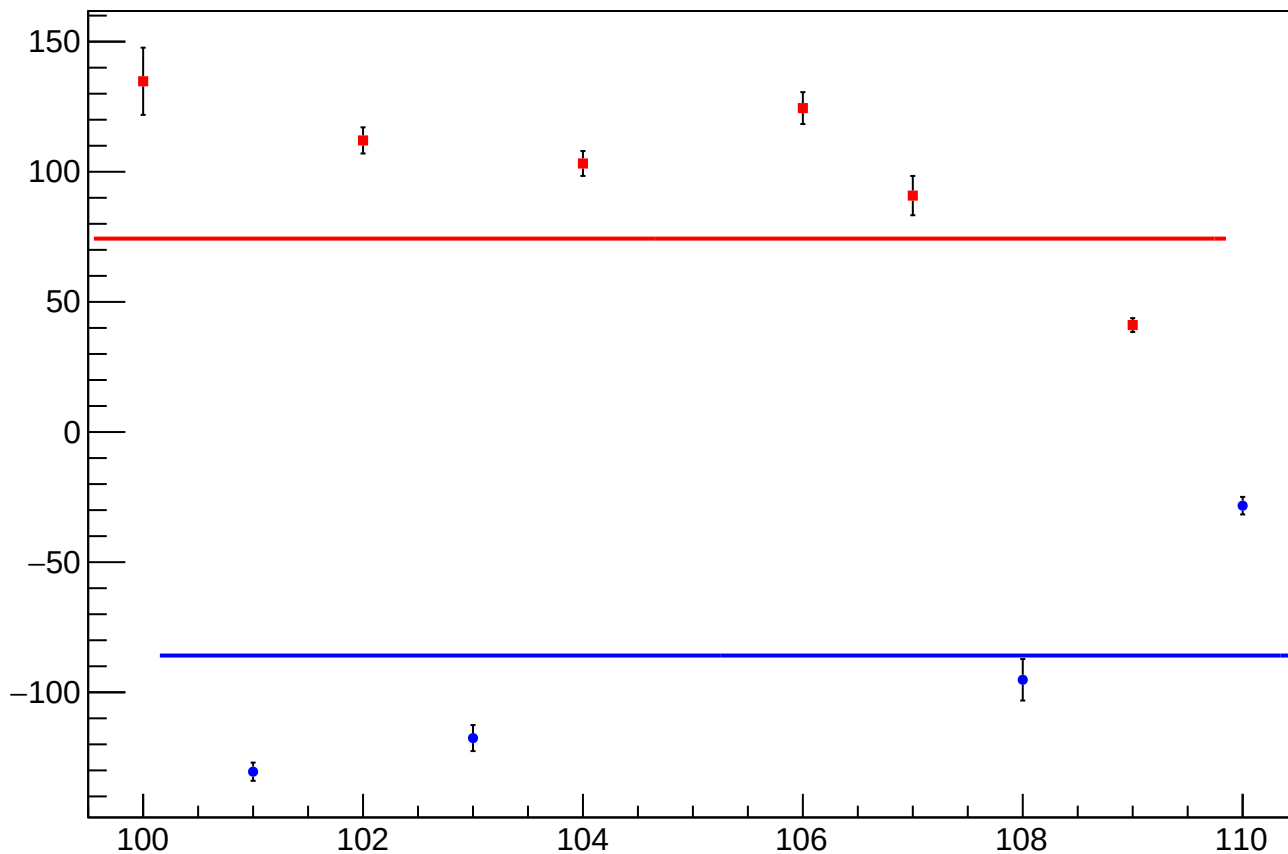
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.957+/-0.052  $\chi^2/\text{NDF}$ : 11.4/3

0.187+/-0.034  $\chi^2/\text{NDF}$ : 990.9/9

1.099+/-0.046  $\chi^2/\text{NDF}$ : 101.3/5

reg\_asym\_sam4\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-85.871 \pm 2.106$   $\chi^2/\text{NDF}: 496.3/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $74.320 \pm 1.903$   $\chi^2/\text{NDF}: 343.8/5$

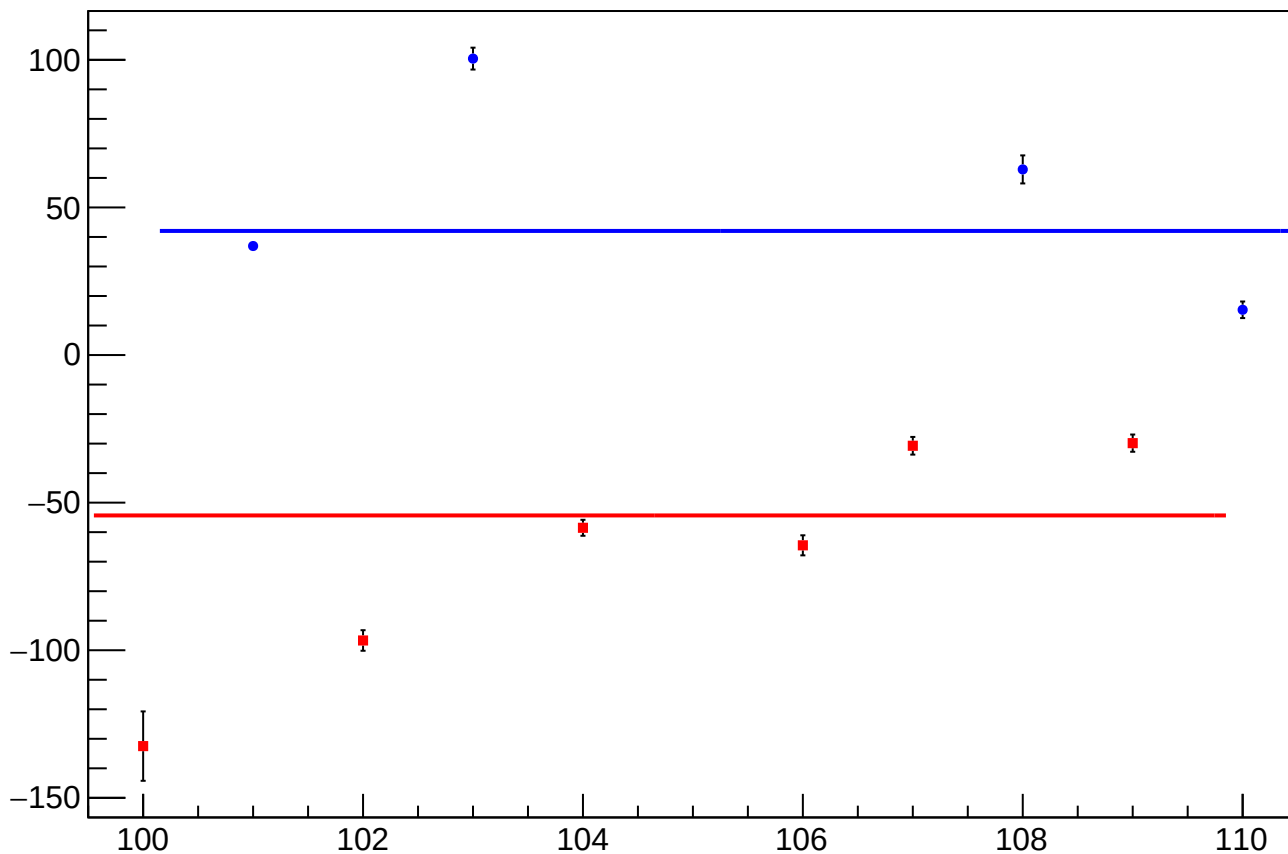
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-85.871 \pm 2.106$   $\chi^2/\text{NDF}: 496.3/3$

$2.300 \pm 1.412$   $\chi^2/\text{NDF}: 4026.0/9$

$74.320 \pm 1.903$   $\chi^2/\text{NDF}: 343.8/5$

reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 42.042+/-1.297  $\chi^2$ /NDF: 367.2/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -54.335+/-1.358  $\chi^2$ /NDF: 335.8/5

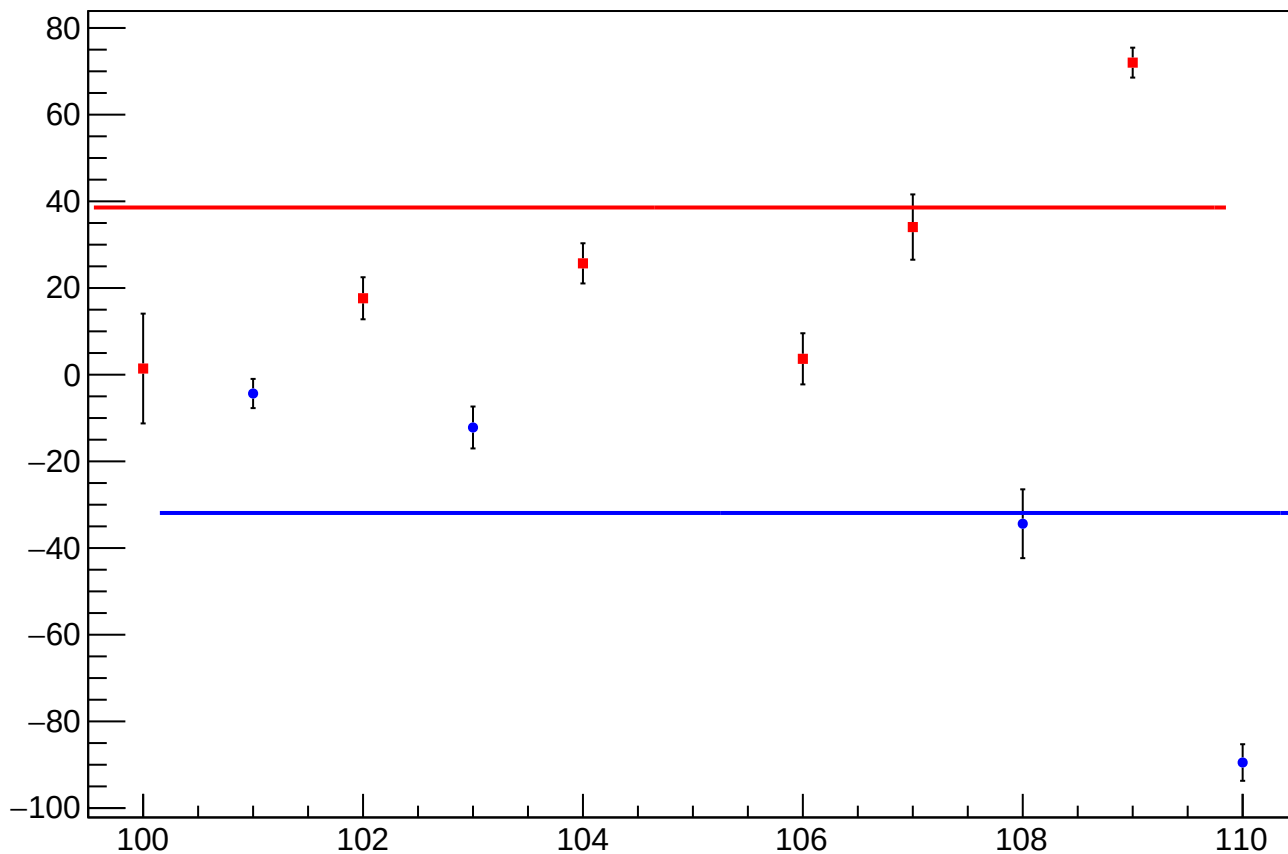
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

42.042+/-1.297  $\chi^2$ /NDF: 367.2/3

-3.925+/-0.938  $\chi^2$ /NDF: 3336.0/9

-54.335+/-1.358  $\chi^2$ /NDF: 335.8/5

reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-31.907 \pm 2.220$   $\chi^2/\text{NDF}$ : 269.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $38.577 \pm 2.106$   $\chi^2/\text{NDF}$ : 164.1/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

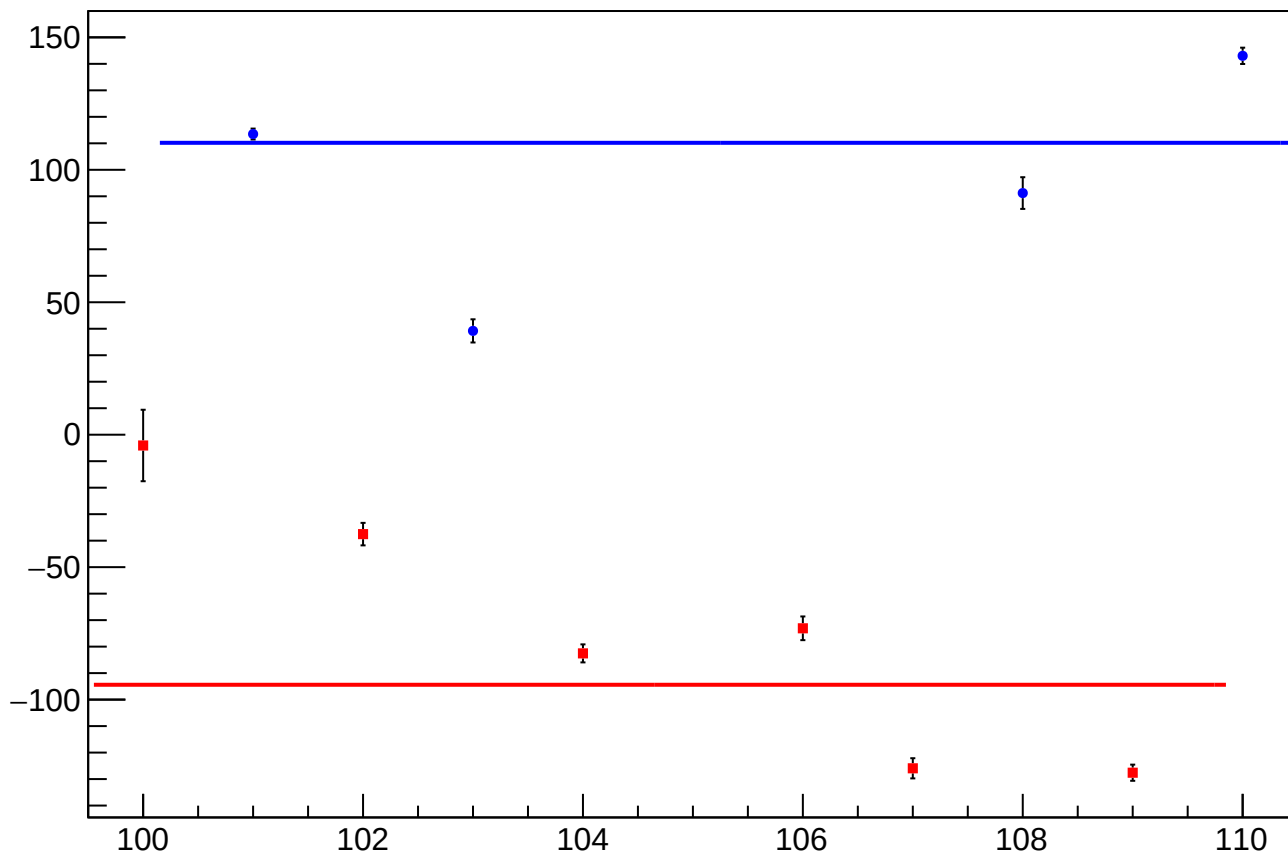
$-31.907 \pm 2.220$   $\chi^2/\text{NDF}$ : 269.9/3

$5.190 \pm 1.528$   $\chi^2/\text{NDF}$ : 964.5/9

$38.577 \pm 2.106$   $\chi^2/\text{NDF}$ : 164.1/5



reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 110.191+/-1.542  $\chi^2/\text{NDF}$ : 389.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -94.400+/-1.636  $\chi^2/\text{NDF}$ : 445.9/5

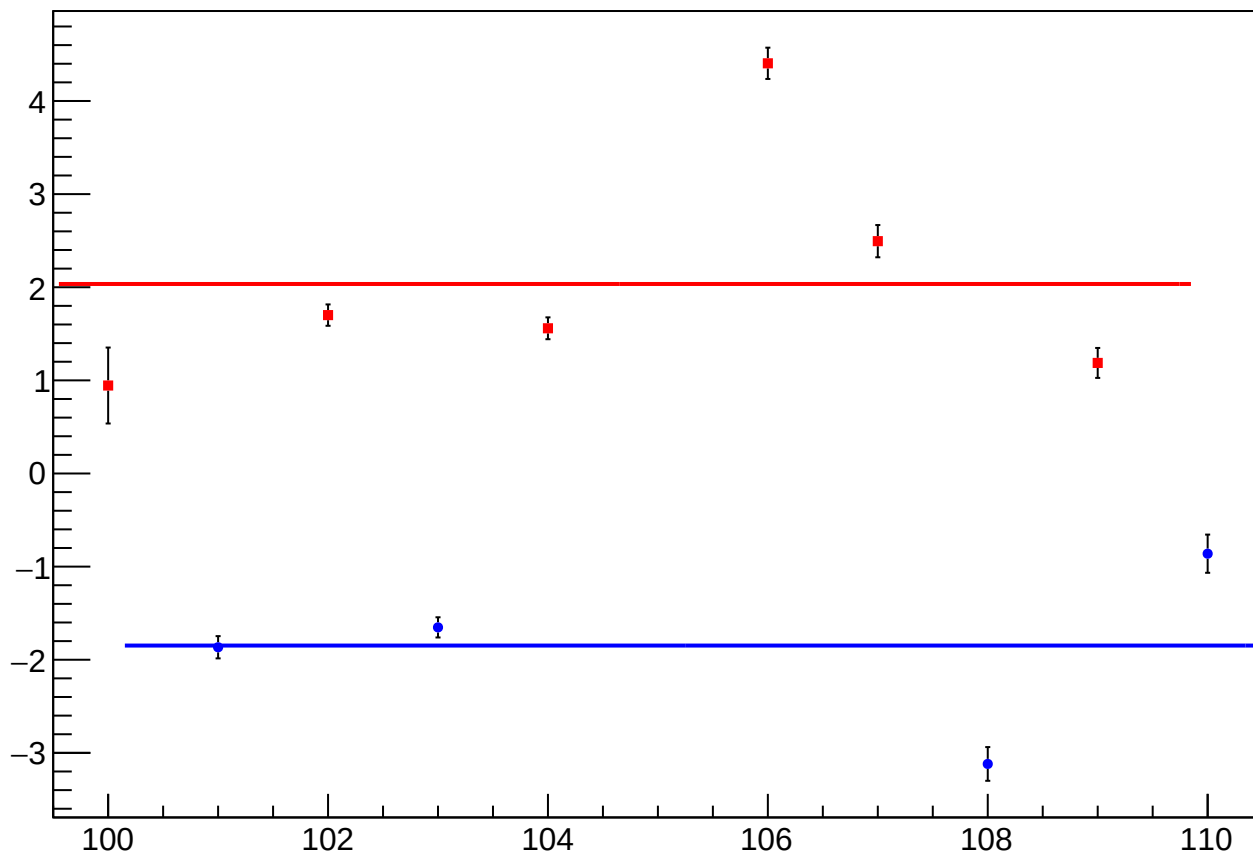
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

110.191+/-1.542  $\chi^2/\text{NDF}$ : 389.6/3

13.927+/-1.122  $\chi^2/\text{NDF}$ : 9118.9/9

-94.400+/-1.636  $\chi^2/\text{NDF}$ : 445.9/5

reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.848+/-0.069  $\chi^2/\text{NDF}$ : 75.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.035+/-0.062  $\chi^2/\text{NDF}$ : 265.9/5

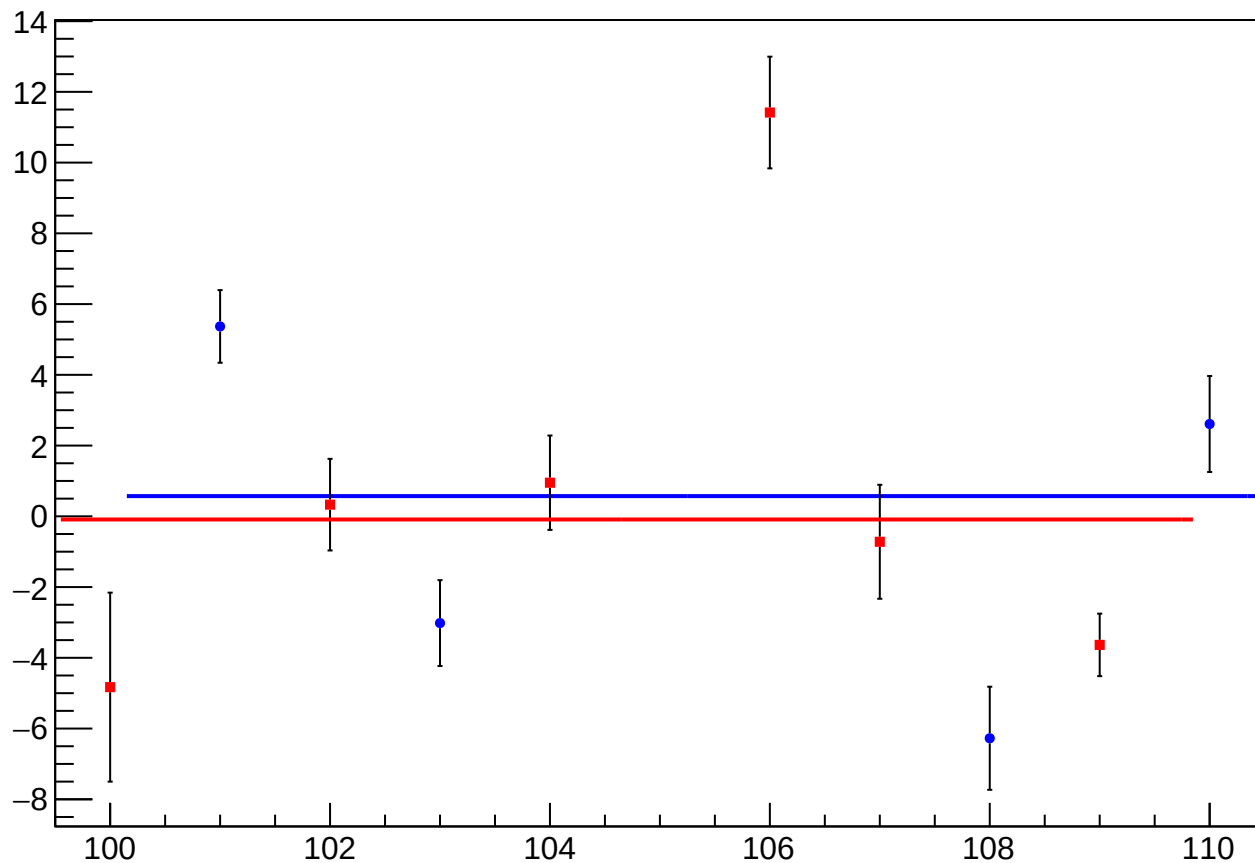
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.848+/-0.069  $\chi^2/\text{NDF}$ : 75.7/3

0.311+/-0.046  $\chi^2/\text{NDF}$ : 2096.1/9

2.035+/-0.062  $\chi^2/\text{NDF}$ : 265.9/5

reg\_asym\_sam5\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 0.571 $\pm$ 0.615  $\chi^2$ /NDF: 54.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.089 $\pm$ 0.545  $\chi^2$ /NDF: 73.2/5

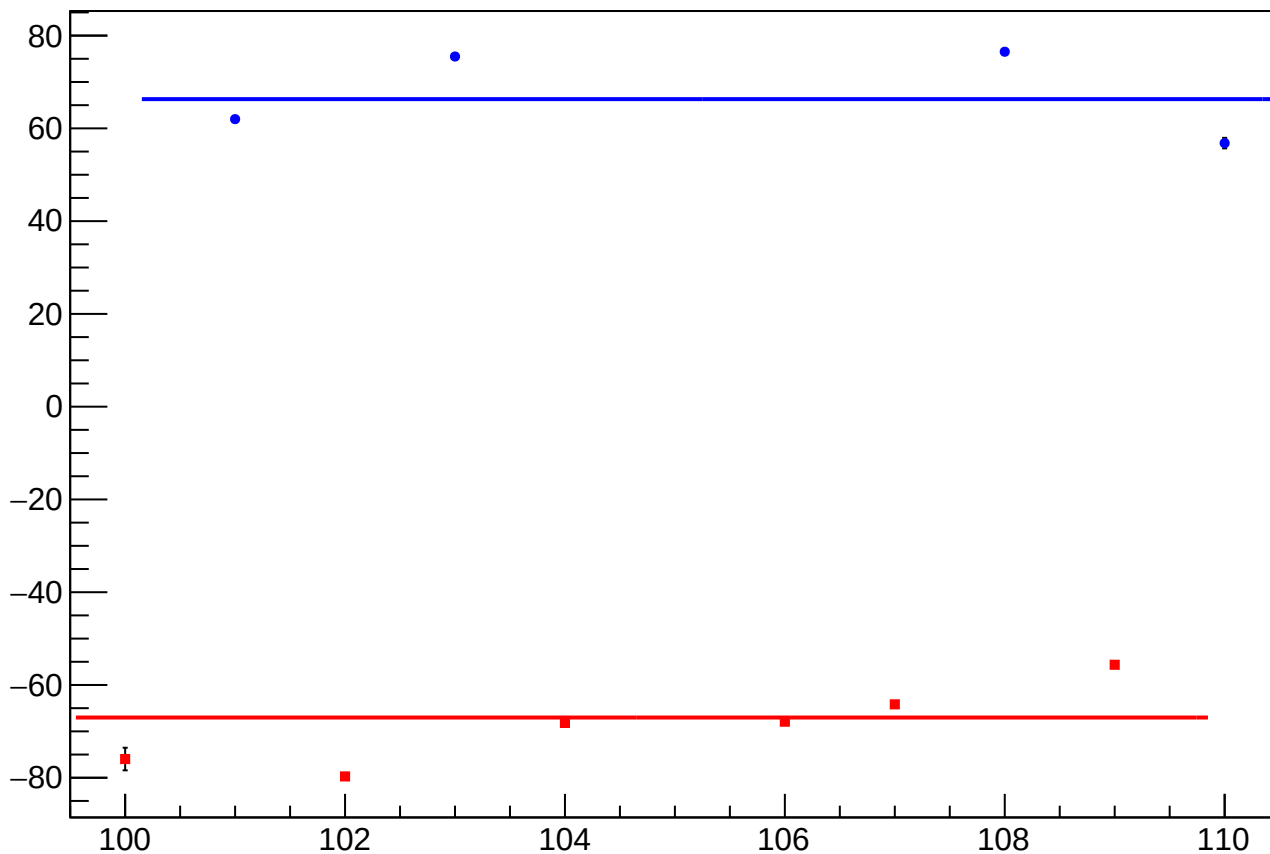
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.571 $\pm$ 0.615  $\chi^2$ /NDF: 54.9/3

0.201 $\pm$ 0.408  $\chi^2$ /NDF: 128.7/9

-0.089 $\pm$ 0.545  $\chi^2$ /NDF: 73.2/5

reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 66.301+/-0.371  $\chi^2/\text{NDF}$ : 382.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -67.015+/-0.366  $\chi^2/\text{NDF}$ : 356.3/5

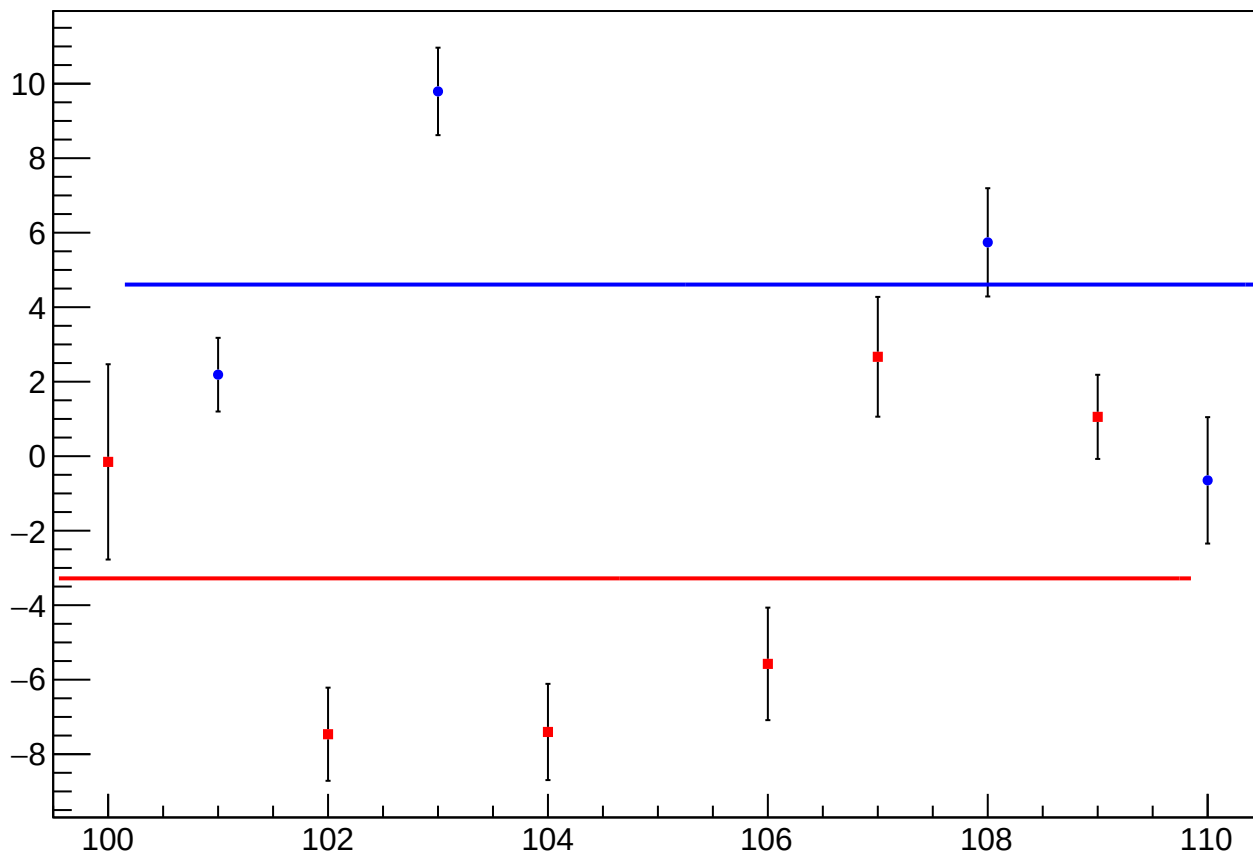
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

66.301+/-0.371  $\chi^2/\text{NDF}$ : 382.7/3

-1.255+/-0.260  $\chi^2/\text{NDF}$ : 66233.4/9

-67.015+/-0.366  $\chi^2/\text{NDF}$ : 356.3/5

reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 4.607 $\pm$ 0.624  $\chi^2$ /NDF: 35.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -3.280 $\pm$ 0.578  $\chi^2$ /NDF: 53.5/5

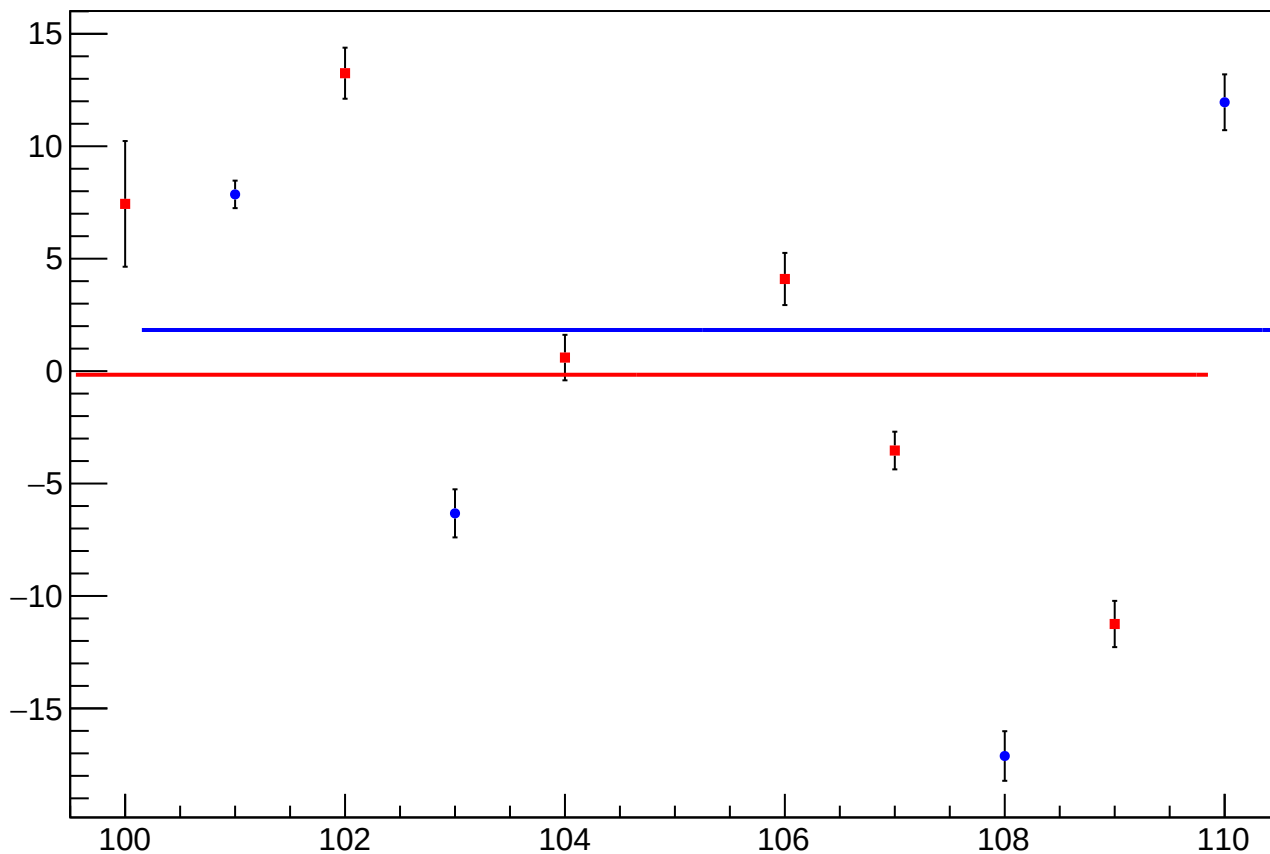
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

4.607 $\pm$ 0.624  $\chi^2$ /NDF: 35.7/3

0.362 $\pm$ 0.424  $\chi^2$ /NDF: 175.2/9

-3.280 $\pm$ 0.578  $\chi^2$ /NDF: 53.5/5

reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.829+/-0.446  $\chi^2/\text{NDF}$ : 517.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.161+/-0.447  $\chi^2/\text{NDF}$ : 293.3/5

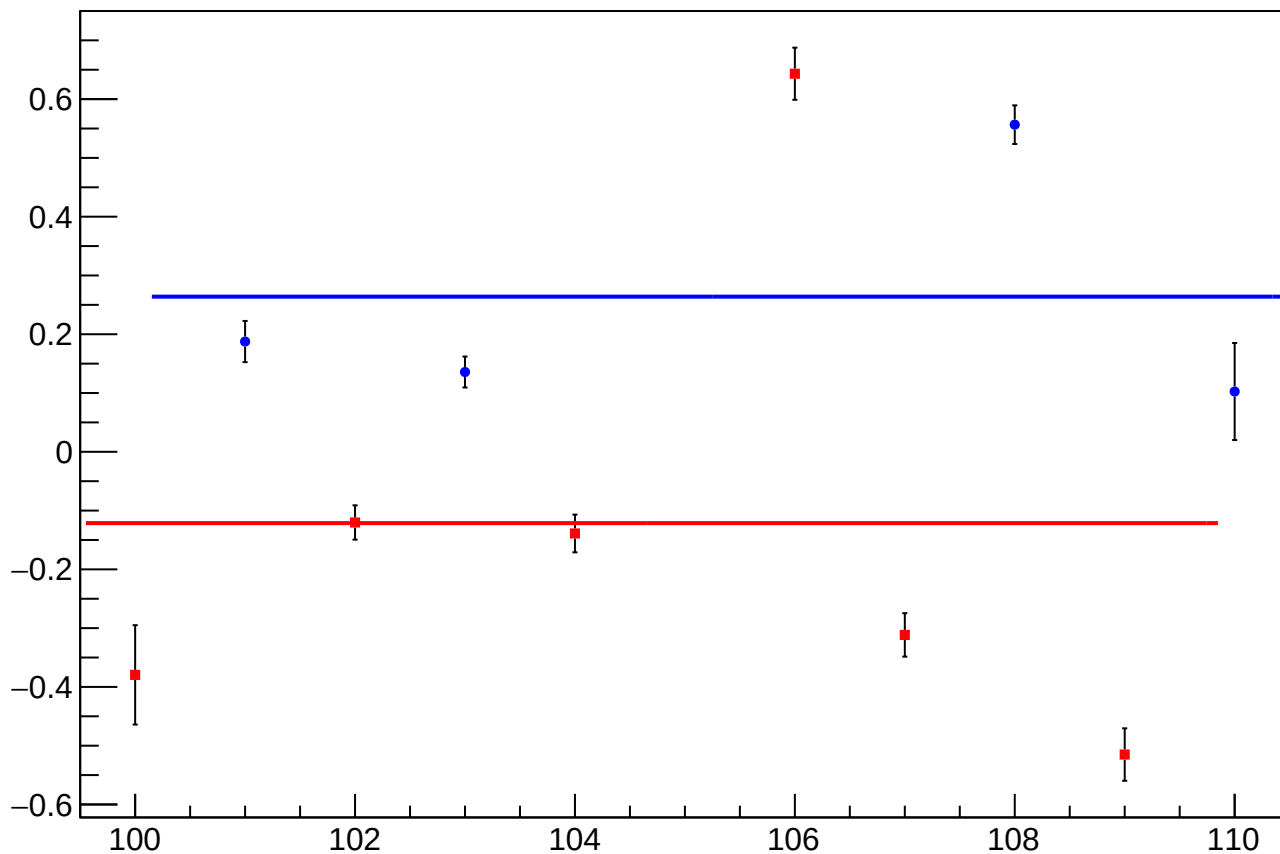
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.829+/-0.446  $\chi^2/\text{NDF}$ : 517.0/3

0.836+/-0.316  $\chi^2/\text{NDF}$ : 820.2/9

-0.161+/-0.447  $\chi^2/\text{NDF}$ : 293.3/5

reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.264+/-0.017  $\chi^2/\text{NDF}$ : 111.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.121+/-0.016  $\chi^2/\text{NDF}$ : 411.3/5

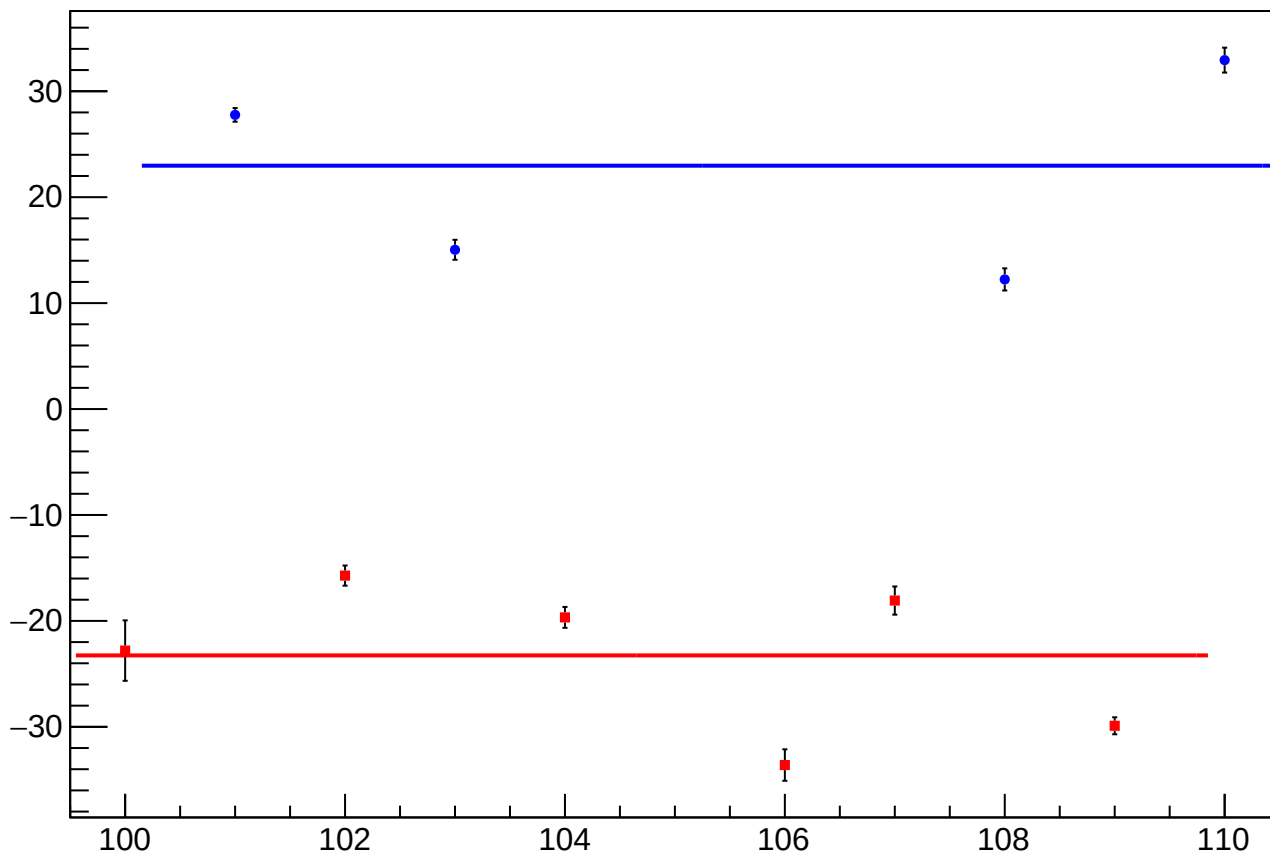
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.264+/-0.017  $\chi^2/\text{NDF}$ : 111.6/3

0.053+/-0.012  $\chi^2/\text{NDF}$ : 793.5/9

-0.121+/-0.016  $\chi^2/\text{NDF}$ : 411.3/5

reg\_asym\_sam6\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 22.971+/-0.440  $\chi^2$ /NDF: 303.4/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -23.257+/-0.455  $\chi^2$ /NDF: 208.0/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

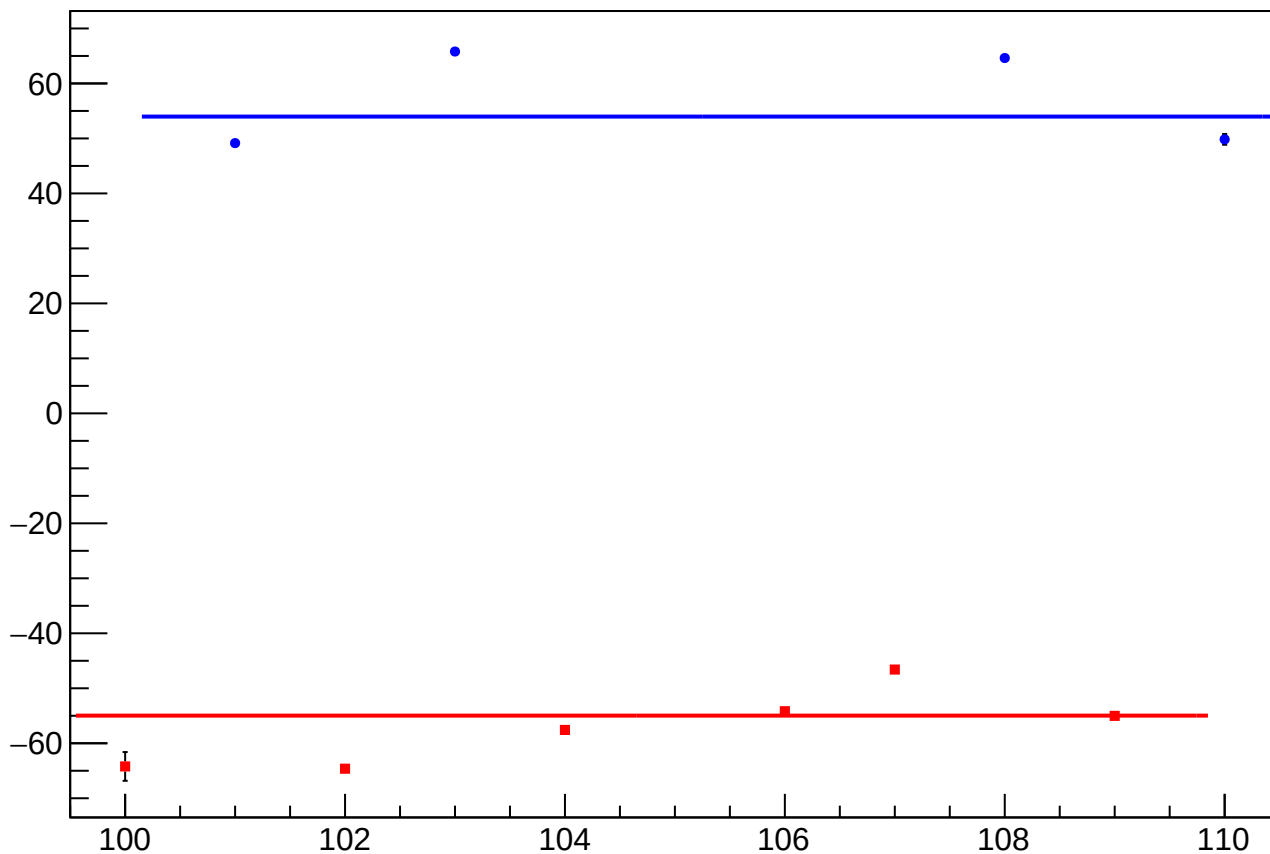
22.971+/-0.440  $\chi^2$ /NDF: 303.4/3

0.652+/-0.316  $\chi^2$ /NDF: 5842.0/9

-23.257+/-0.455  $\chi^2$ /NDF: 208.0/5



reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 53.973+/-0.255  $\chi^2$ /NDF: 819.4/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -54.971+/-0.292  $\chi^2$ /NDF: 477.5/5

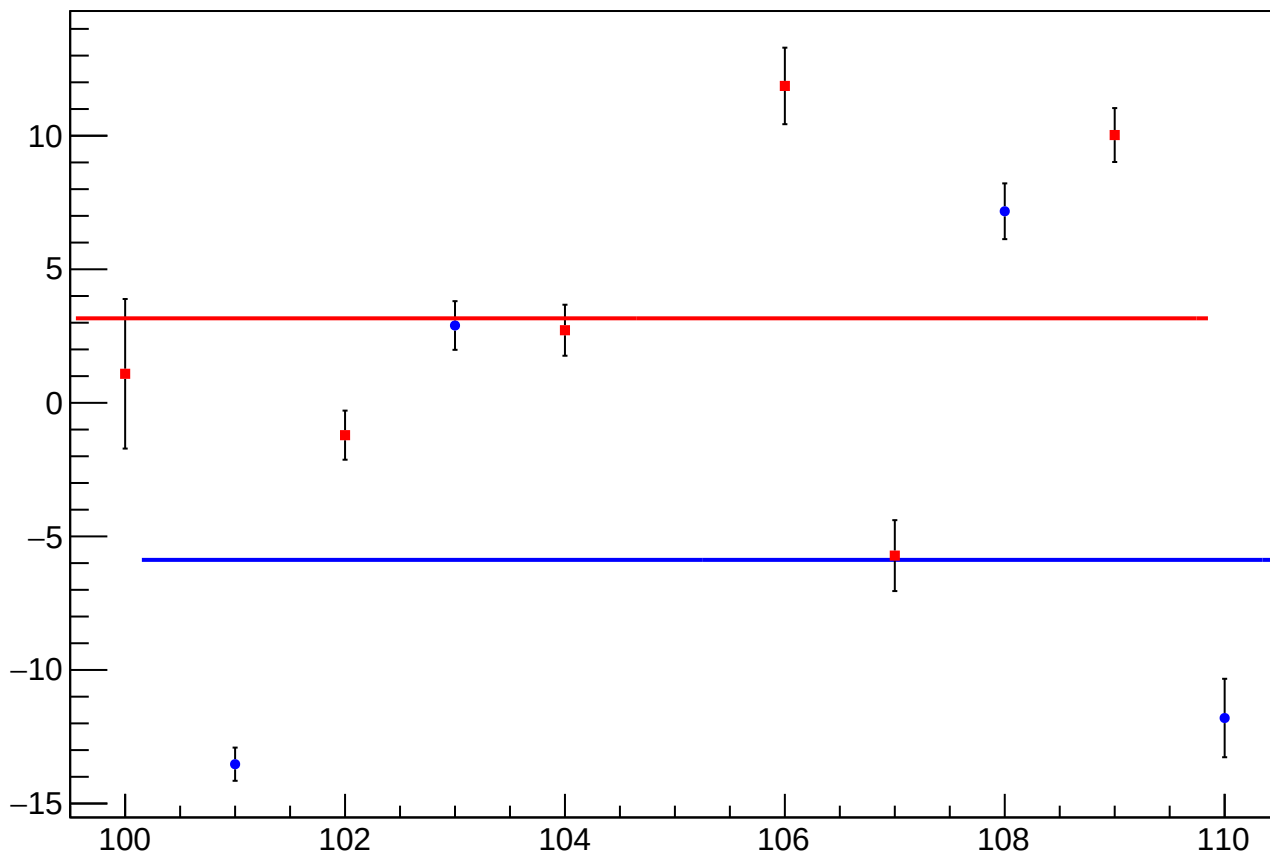
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

53.973+/-0.255  $\chi^2$ /NDF: 819.4/3

6.743+/-0.192  $\chi^2$ /NDF: 80415.6/9

-54.971+/-0.292  $\chi^2$ /NDF: 477.5/5

reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -5.879+/-0.440  $\chi^2$ /NDF: 416.8/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.164+/-0.474  $\chi^2$ /NDF: 151.3/5

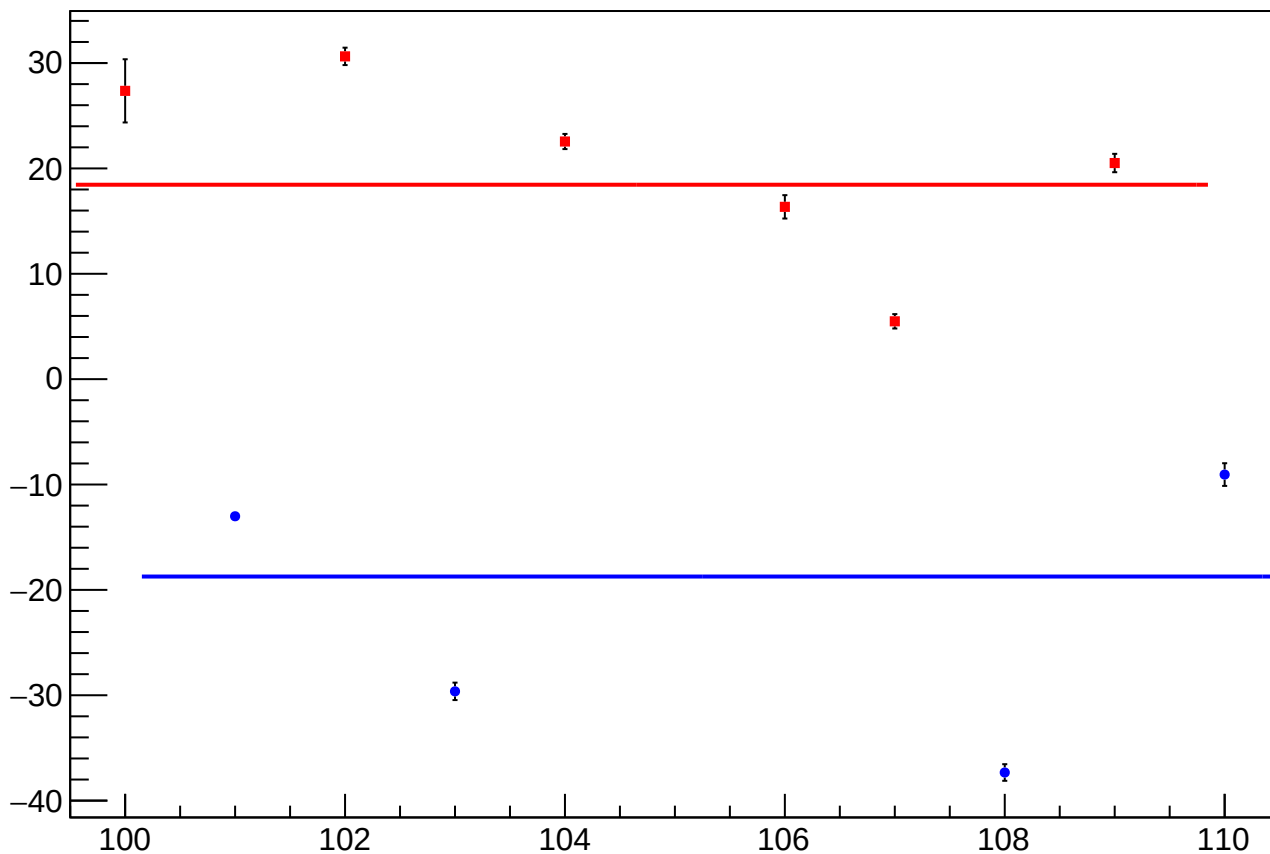
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-5.879+/-0.440  $\chi^2$ /NDF: 416.8/3

-1.701+/-0.322  $\chi^2$ /NDF: 763.6/9

3.164+/-0.474  $\chi^2$ /NDF: 151.3/5

reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -18.733+/-0.309  $\chi^2/\text{NDF}$ : 1026.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 18.452+/-0.358  $\chi^2/\text{NDF}$ : 628.7/5

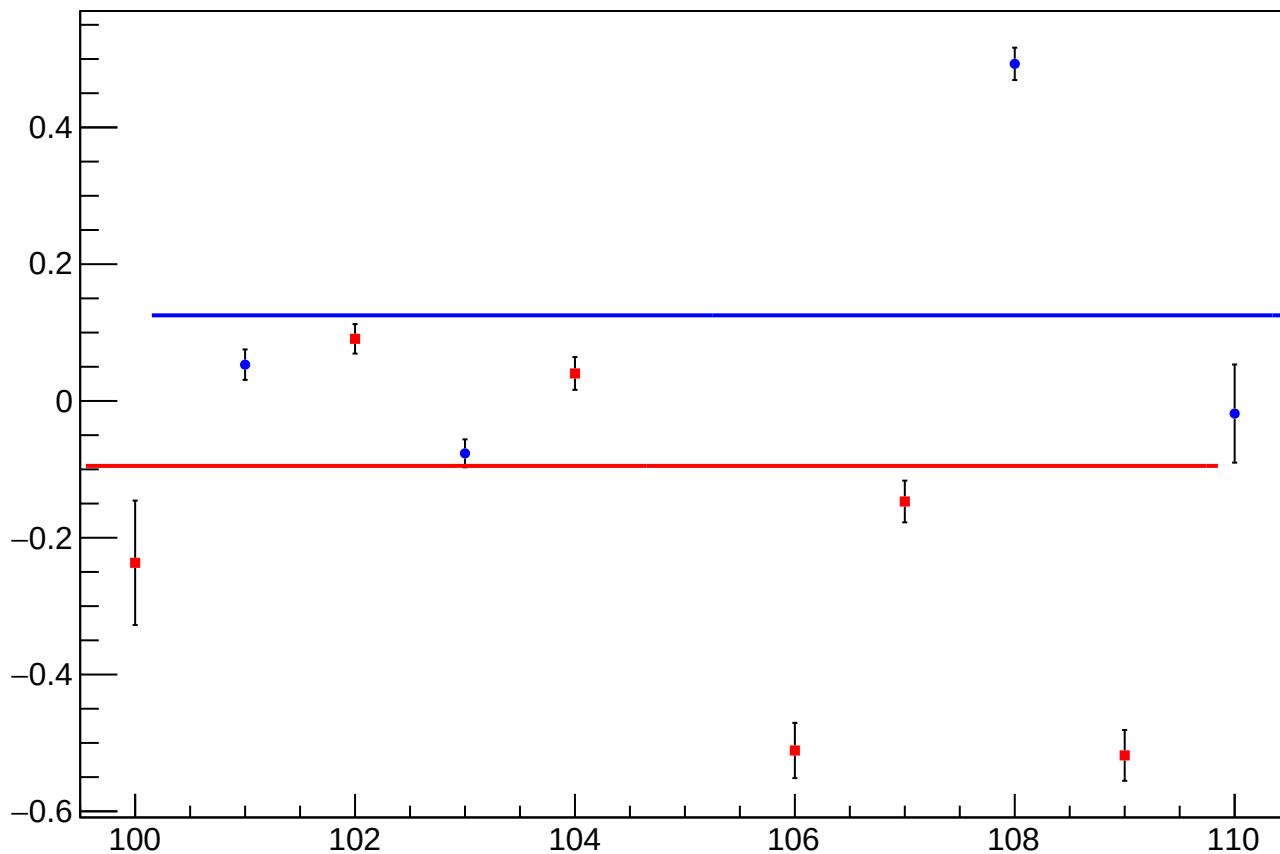
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-18.733+/-0.309  $\chi^2/\text{NDF}$ : 1026.0/3

-2.898+/-0.234  $\chi^2/\text{NDF}$ : 7834.5/9

18.452+/-0.358  $\chi^2/\text{NDF}$ : 628.7/5

reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $0.125 \pm 0.013$   $\chi^2/\text{NDF}$ : 353.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.095 \pm 0.012$   $\chi^2/\text{NDF}$ : 347.2/5

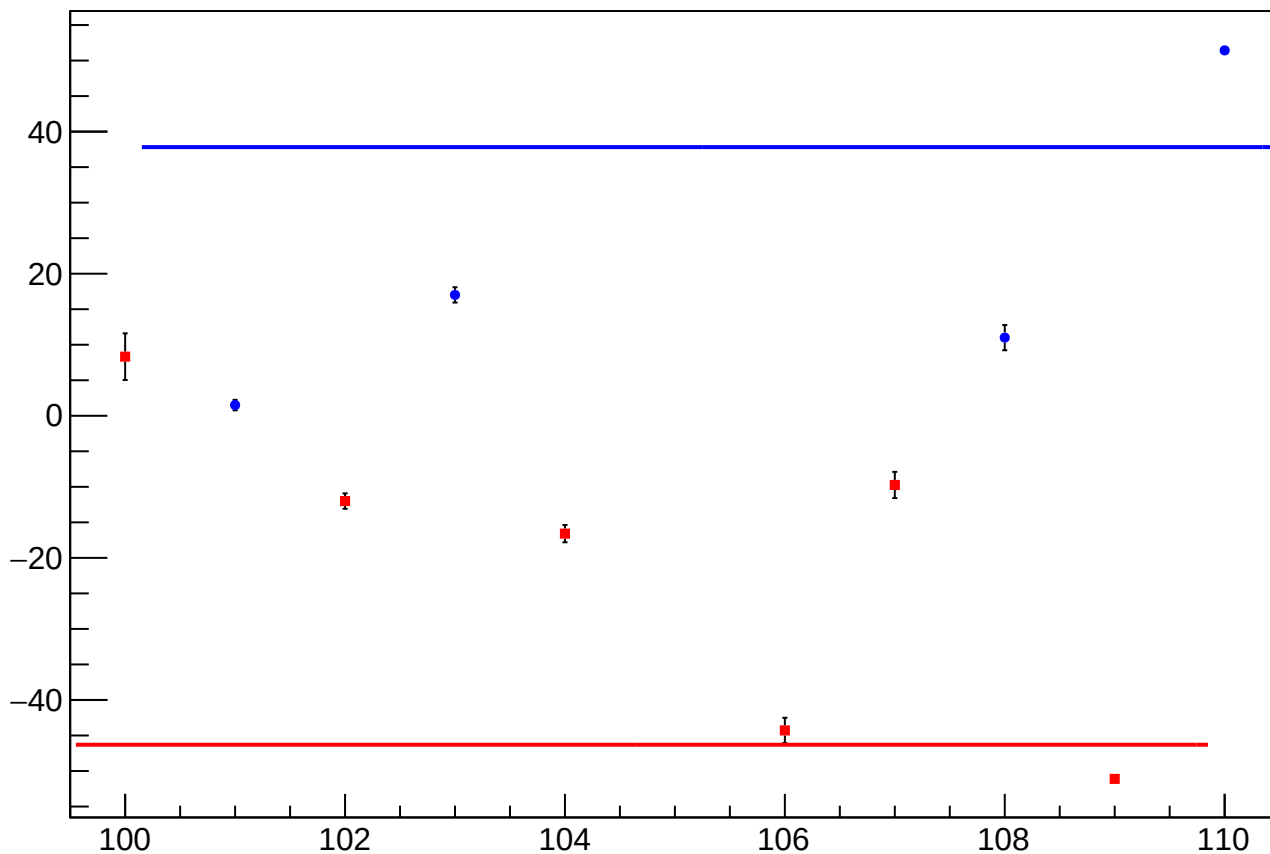
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$0.125 \pm 0.013$   $\chi^2/\text{NDF}$ : 353.7/3

$0.015 \pm 0.009$   $\chi^2/\text{NDF}$ : 856.3/9

$-0.095 \pm 0.012$   $\chi^2/\text{NDF}$ : 347.2/5

reg\_asym\_sam7\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 37.818+/-0.318  $\chi^2$ /NDF: 4301.4/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -46.302+/-0.251  $\chi^2$ /NDF: 2579.8/5

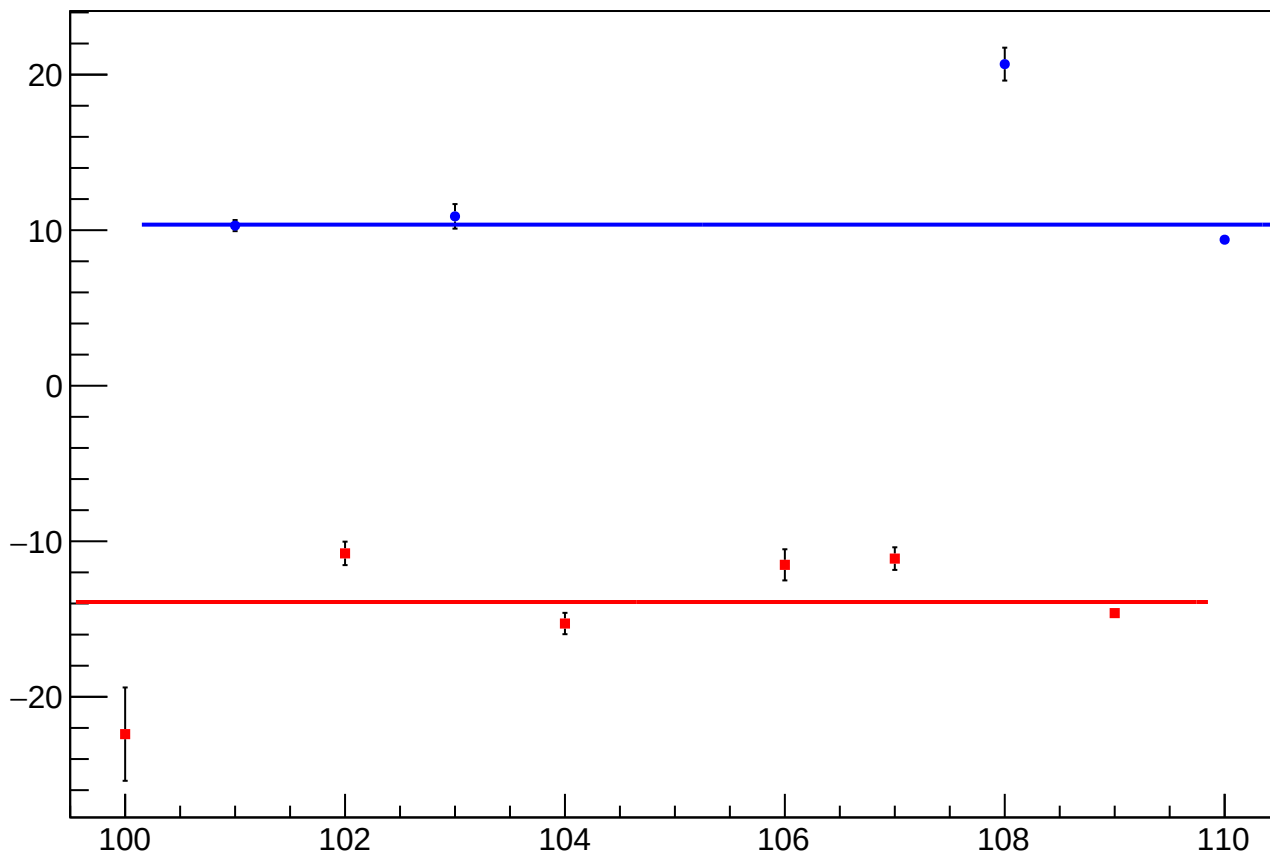
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

37.818+/-0.318  $\chi^2$ /NDF: 4301.4/3

-14.031+/-0.197  $\chi^2$ /NDF: 49976.1/9

-46.302+/-0.251  $\chi^2$ /NDF: 2579.8/5

reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.357+/-0.222  $\chi^2$ /NDF: 104.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -13.904+/-0.224  $\chi^2$ /NDF: 56.3/5

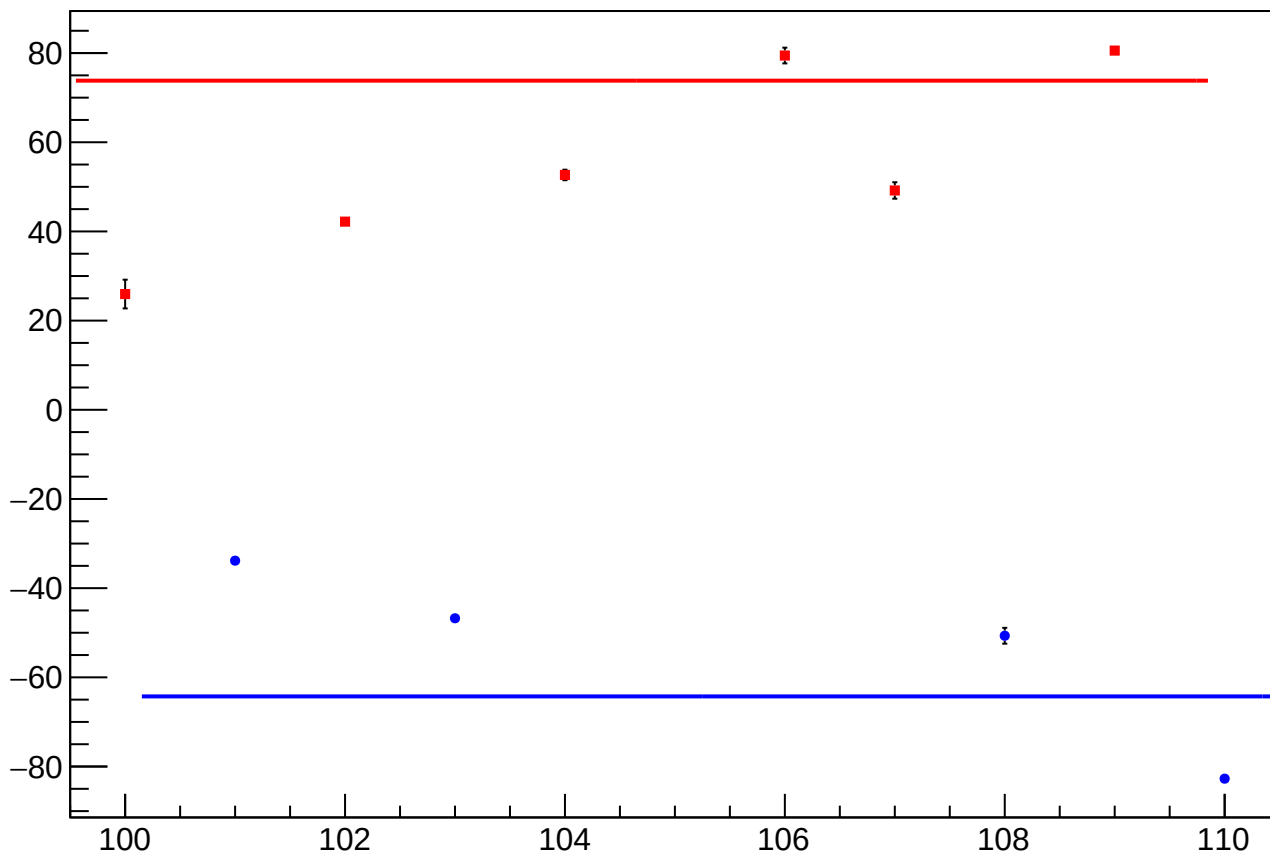
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

10.357+/-0.222  $\chi^2$ /NDF: 104.9/3

-1.673+/-0.158  $\chi^2$ /NDF: 6066.0/9

-13.904+/-0.224  $\chi^2$ /NDF: 56.3/5

reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -64.273+/-0.362  $\chi^2/\text{NDF}$ : 3675.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 73.813+/-0.311  $\chi^2/\text{NDF}$ : 2007.1/5

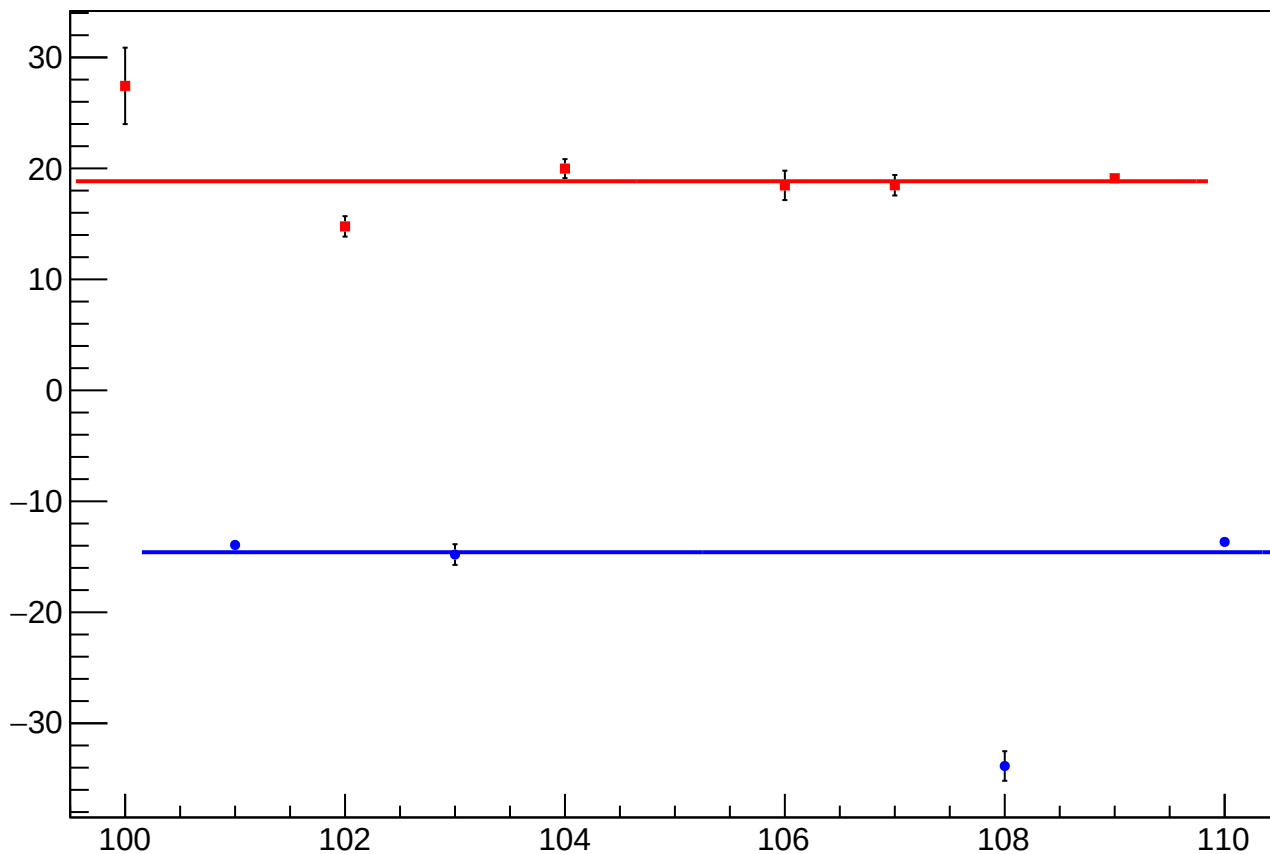
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-64.273+/-0.362  $\chi^2/\text{NDF}$ : 3675.5/3

15.321+/-0.236  $\chi^2/\text{NDF}$ : 89381.1/9

73.813+/-0.311  $\chi^2/\text{NDF}$ : 2007.1/5

reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -14.587±/0.257  $\chi^2/\text{NDF}$ : 218.2/3

Left Out: 0.000±/0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 18.841±/0.250  $\chi^2/\text{NDF}$ : 28.6/5

Left In: 0.000±/0.000  $\chi^2/\text{NDF}$ : 0.0/0

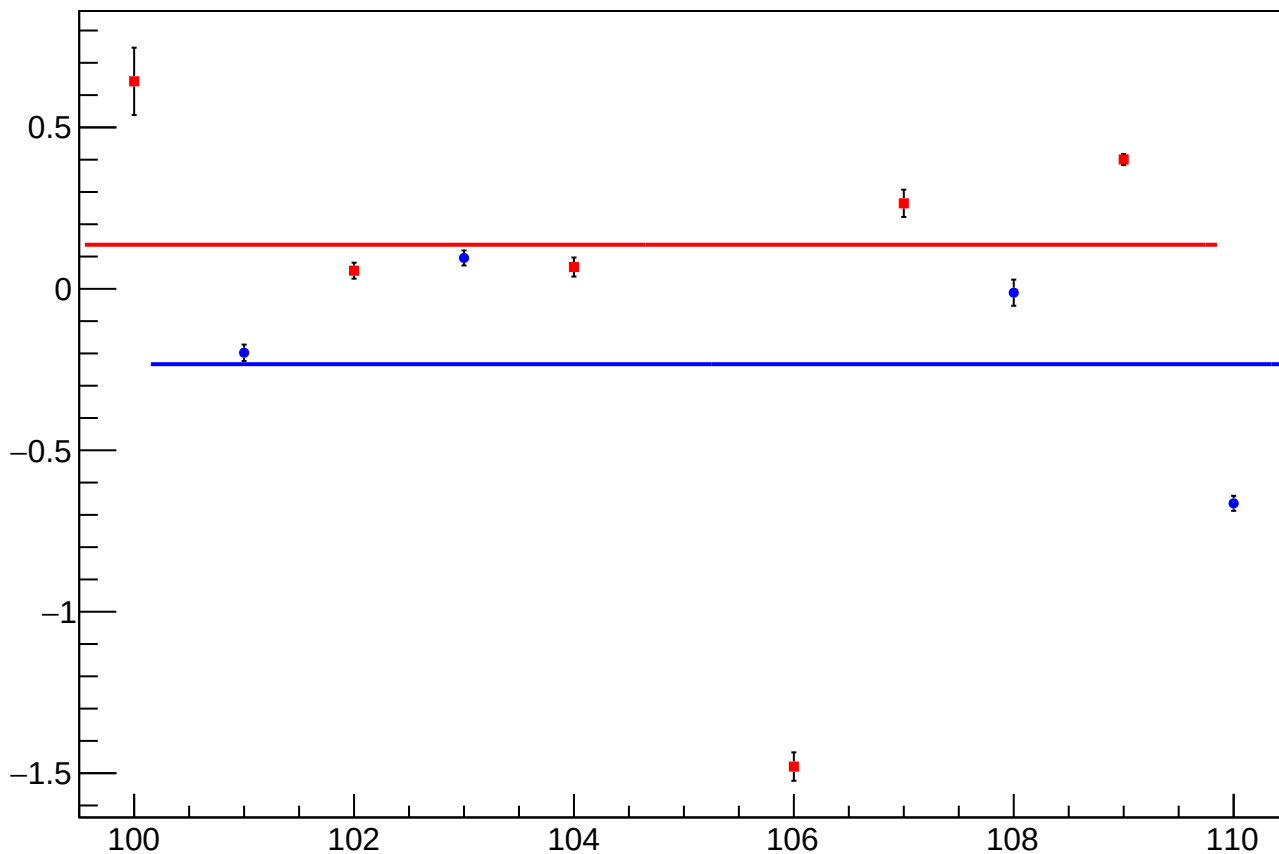
-14.587±/0.257  $\chi^2/\text{NDF}$ : 218.2/3

2.571±/0.179  $\chi^2/\text{NDF}$ : 8955.1/9

18.841±/0.250  $\chi^2/\text{NDF}$ : 28.6/5



reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.233+/-0.013  $\chi^2$ /NDF: 574.4/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.137+/-0.012  $\chi^2$ /NDF: 1637.6/5

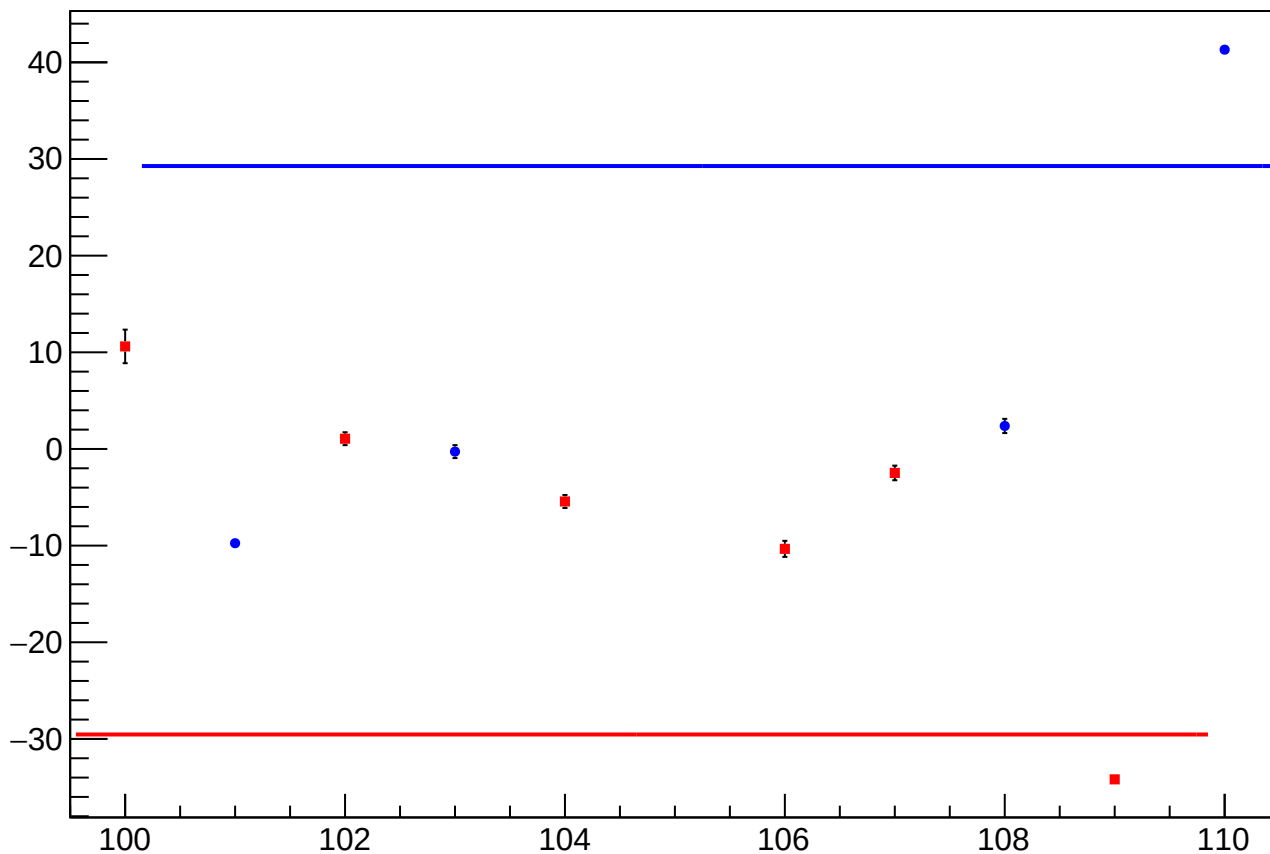
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-0.233+/-0.013  $\chi^2$ /NDF: 574.4/3

-0.026+/-0.009  $\chi^2$ /NDF: 2660.6/9

0.137+/-0.012  $\chi^2$ /NDF: 1637.6/5

reg\_asym\_sam8\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 29.270+/-0.177  $\chi^2$ /NDF: 13252.5/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -29.540+/-0.137  $\chi^2$ /NDF: 6704.1/5

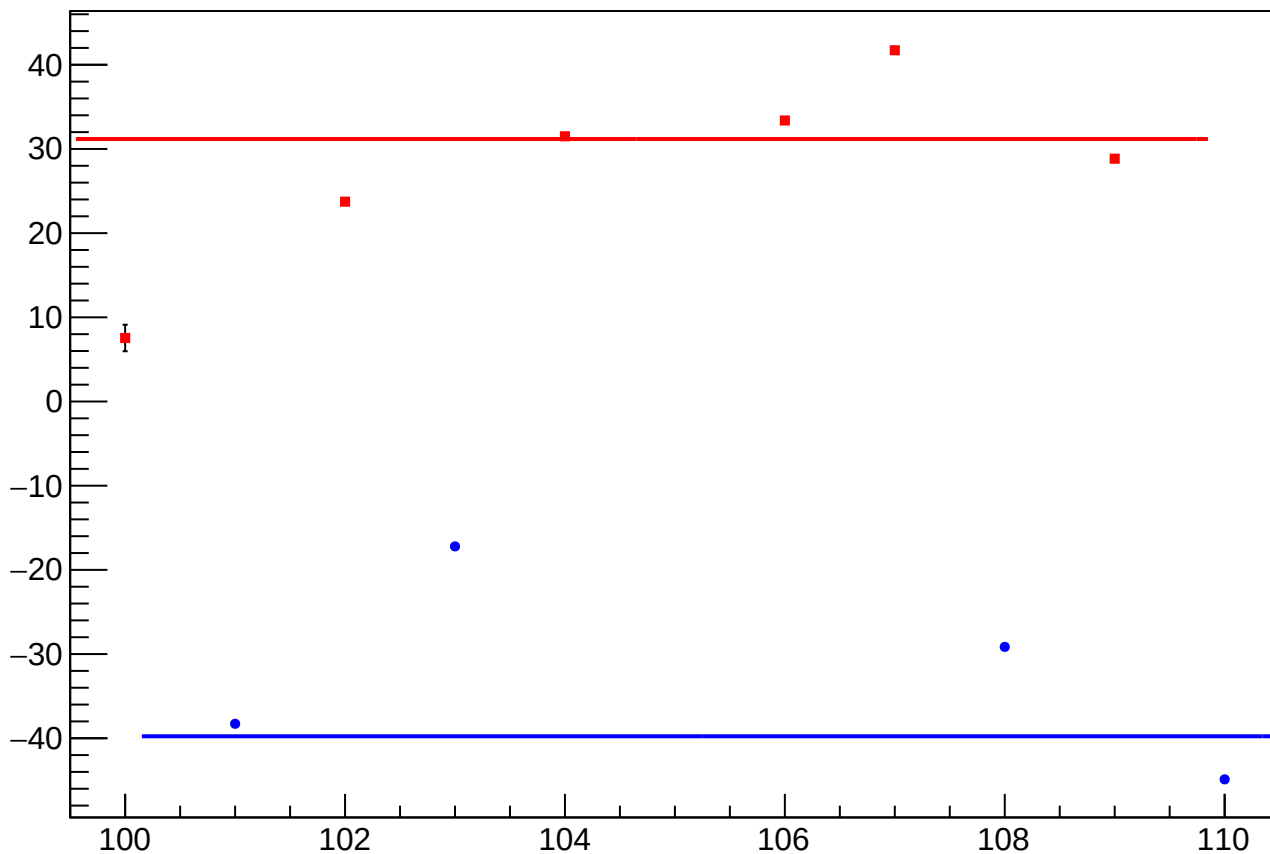
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

29.270+/-0.177  $\chi^2$ /NDF: 13252.5/3

-7.484+/-0.108  $\chi^2$ /NDF: 88985.4/9

-29.540+/-0.137  $\chi^2$ /NDF: 6704.1/5

reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-39.766 \pm 0.128$   $\chi^2/\text{NDF}: 3543.4/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $31.185 \pm 0.128$   $\chi^2/\text{NDF}: 1860.2/5$

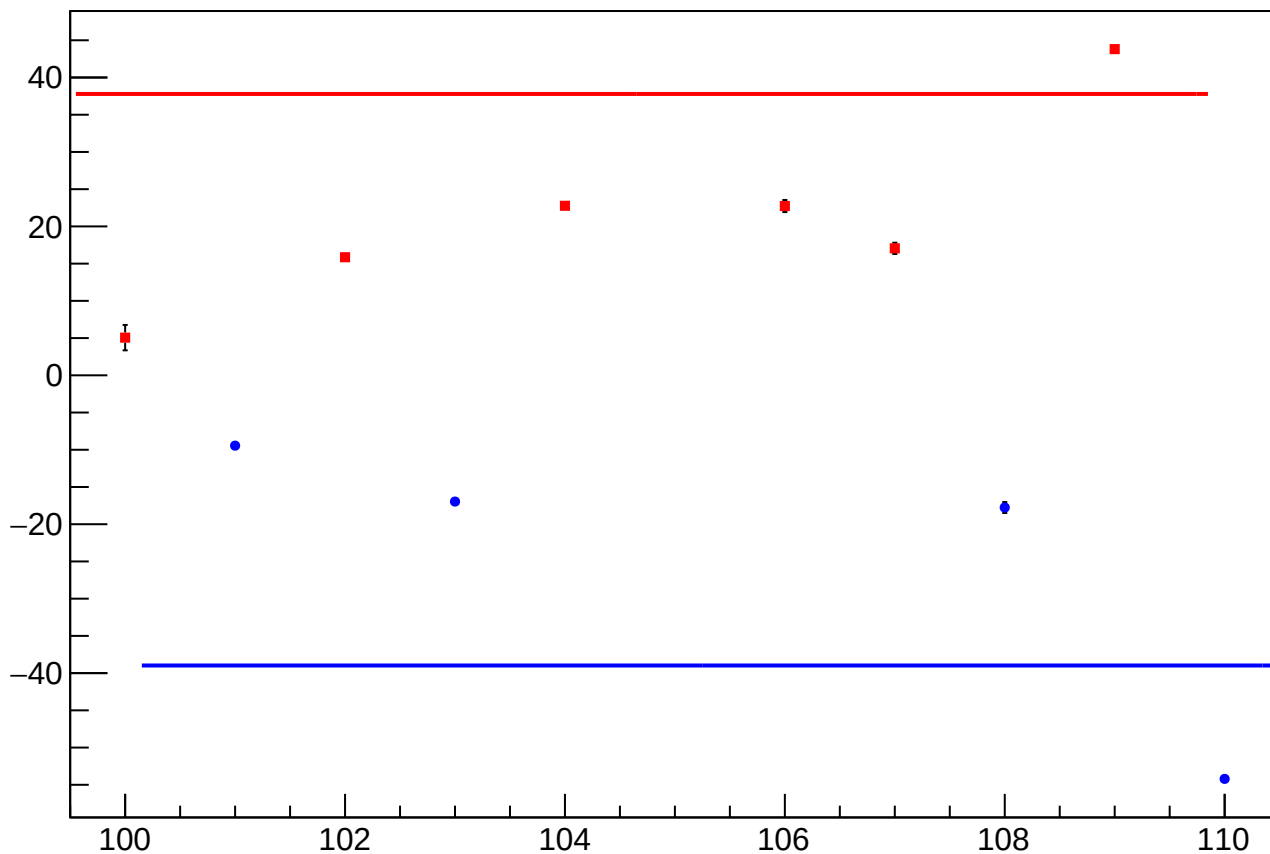
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-39.766 \pm 0.128$   $\chi^2/\text{NDF}: 3543.4/3$

$-4.372 \pm 0.090$   $\chi^2/\text{NDF}: 159143.6/9$

$31.185 \pm 0.128$   $\chi^2/\text{NDF}: 1860.2/5$

reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-38.976 \pm 0.205$   $\chi^2/\text{NDF}: 9521.3/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $37.792 \pm 0.170$   $\chi^2/\text{NDF}: 4107.1/5$

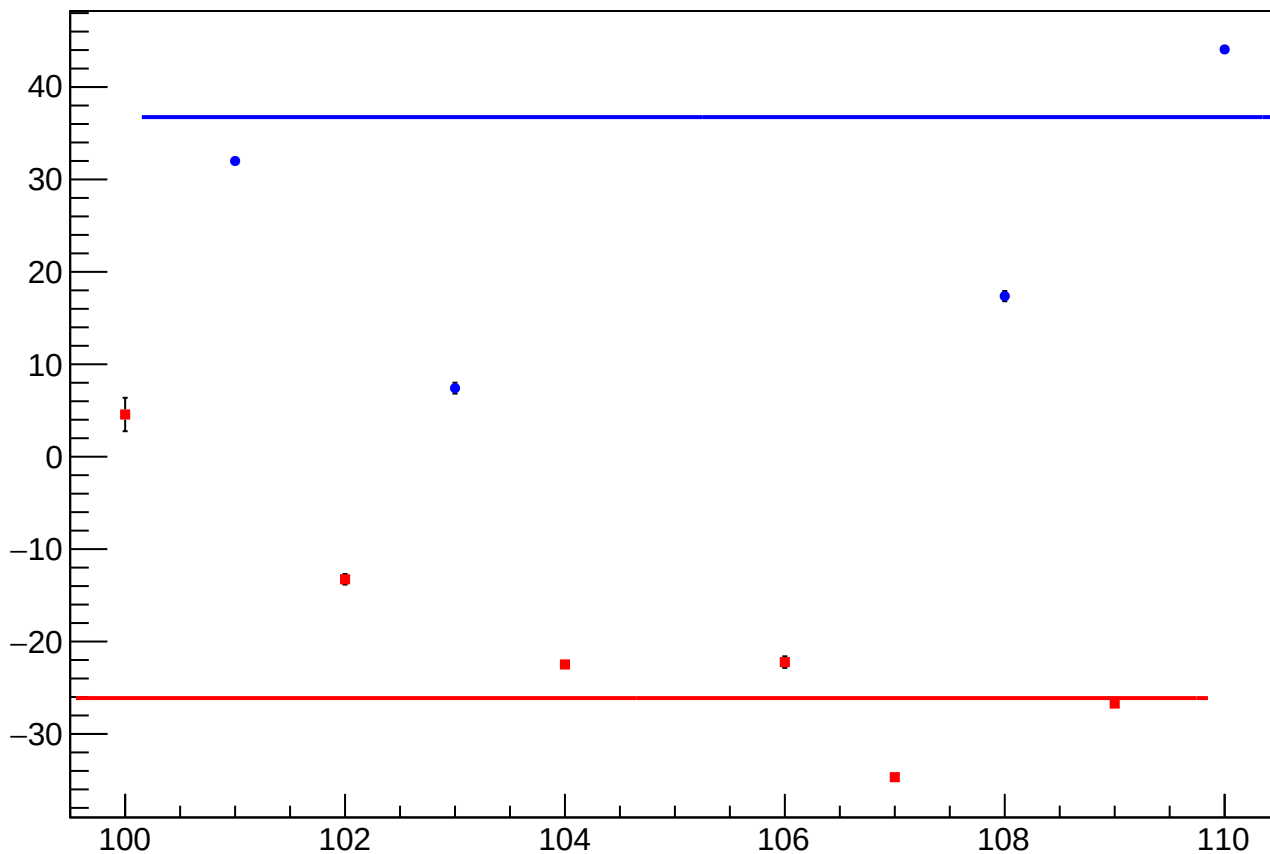
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-38.976 \pm 0.205$   $\chi^2/\text{NDF}: 9521.3/3$

$6.456 \pm 0.131$   $\chi^2/\text{NDF}: 97015.0/9$

$37.792 \pm 0.170$   $\chi^2/\text{NDF}: 4107.1/5$

reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 36.746+/-0.147  $\chi^2/\text{NDF}$ : 5476.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -26.119+/-0.143  $\chi^2/\text{NDF}$ : 1384.5/5

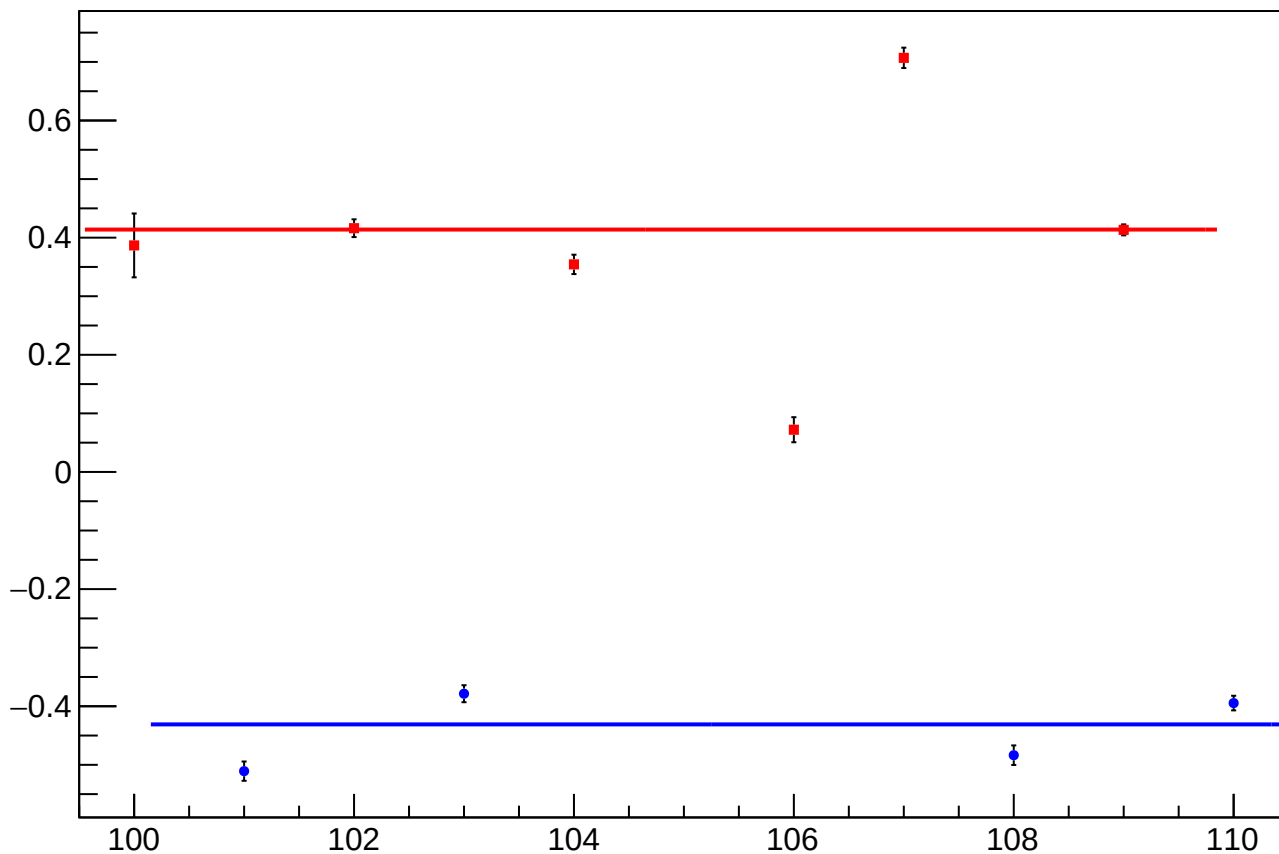
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

36.746+/-0.147  $\chi^2/\text{NDF}$ : 5476.0/3

4.554+/-0.102  $\chi^2/\text{NDF}$ : 100980.7/9

-26.119+/-0.143  $\chi^2/\text{NDF}$ : 1384.5/5

reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.431+/-0.007  $\chi^2/\text{NDF}$ : 54.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.414+/-0.006  $\chi^2/\text{NDF}$ : 552.8/5

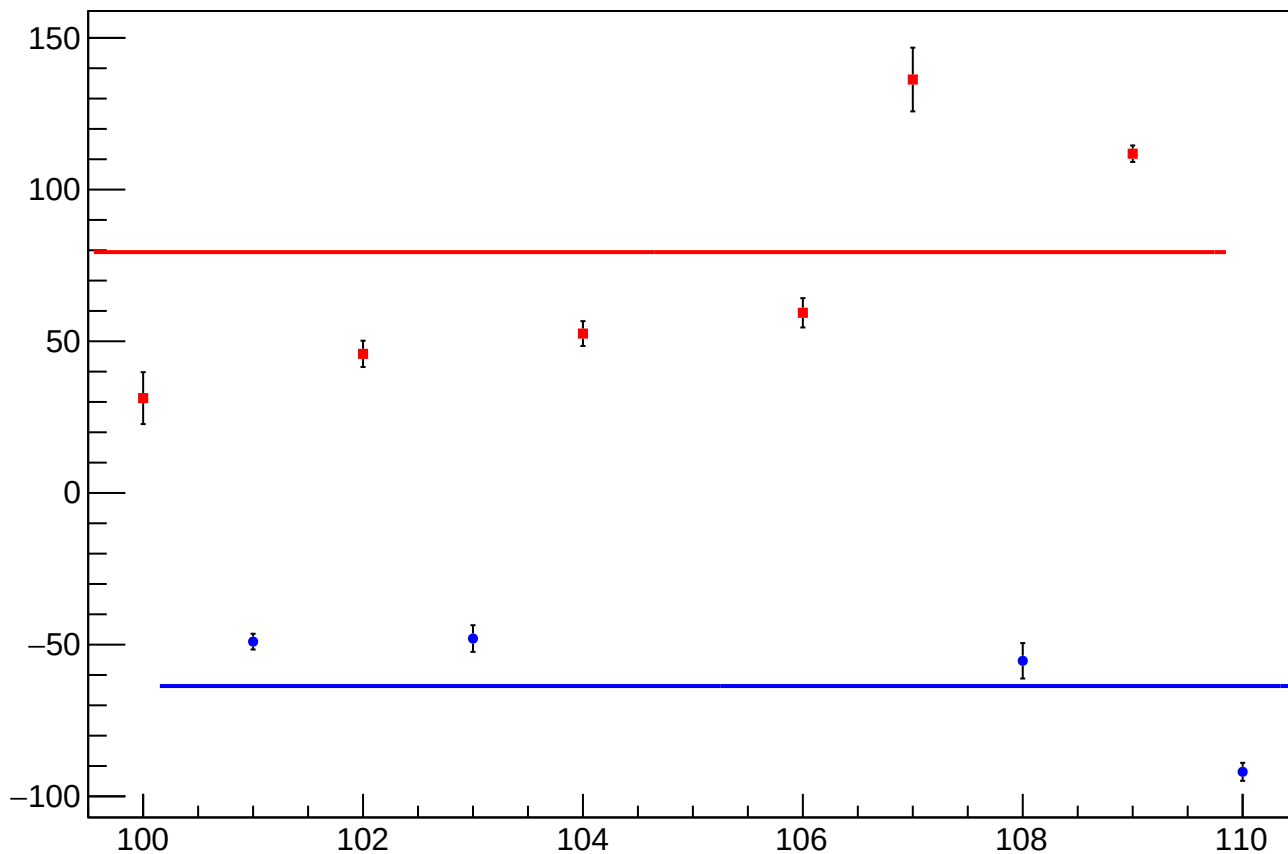
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.431+/-0.007  $\chi^2/\text{NDF}$ : 54.9/3

0.057+/-0.005  $\chi^2/\text{NDF}$ : 8209.6/9

0.414+/-0.006  $\chi^2/\text{NDF}$ : 552.8/5

reg\_asym\_usl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -63.646 $\pm$ 1.707  $\chi^2$ /NDF: 137.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 79.393 $\pm$ 1.785  $\chi^2$ /NDF: 323.5/5

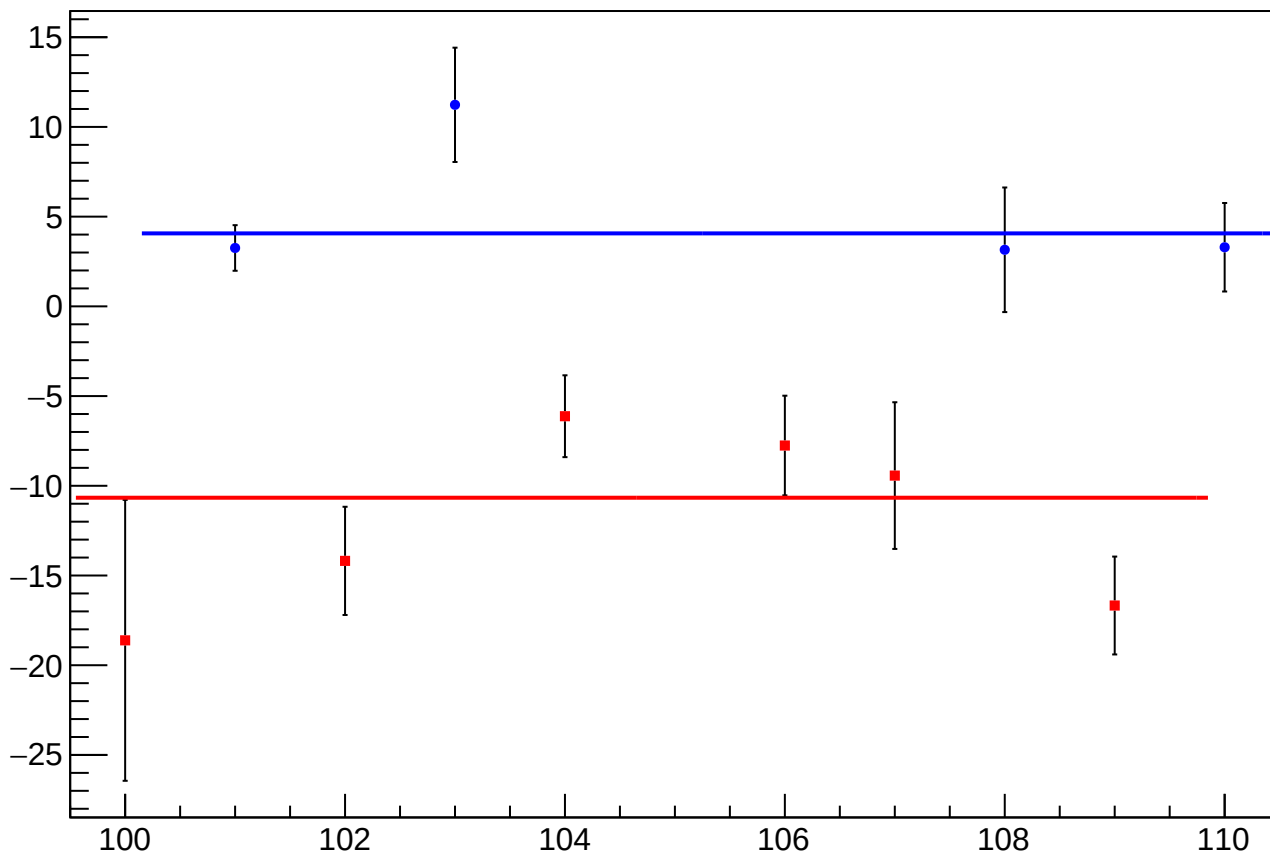
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-63.646 $\pm$ 1.707  $\chi^2$ /NDF: 137.5/3

4.685 $\pm$ 1.234  $\chi^2$ /NDF: 3814.0/9

79.393 $\pm$ 1.785  $\chi^2$ /NDF: 323.5/5

reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.067+/-1.018  $\chi^2/\text{NDF}$ : 5.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.665+/-1.247  $\chi^2/\text{NDF}$ : 12.4/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

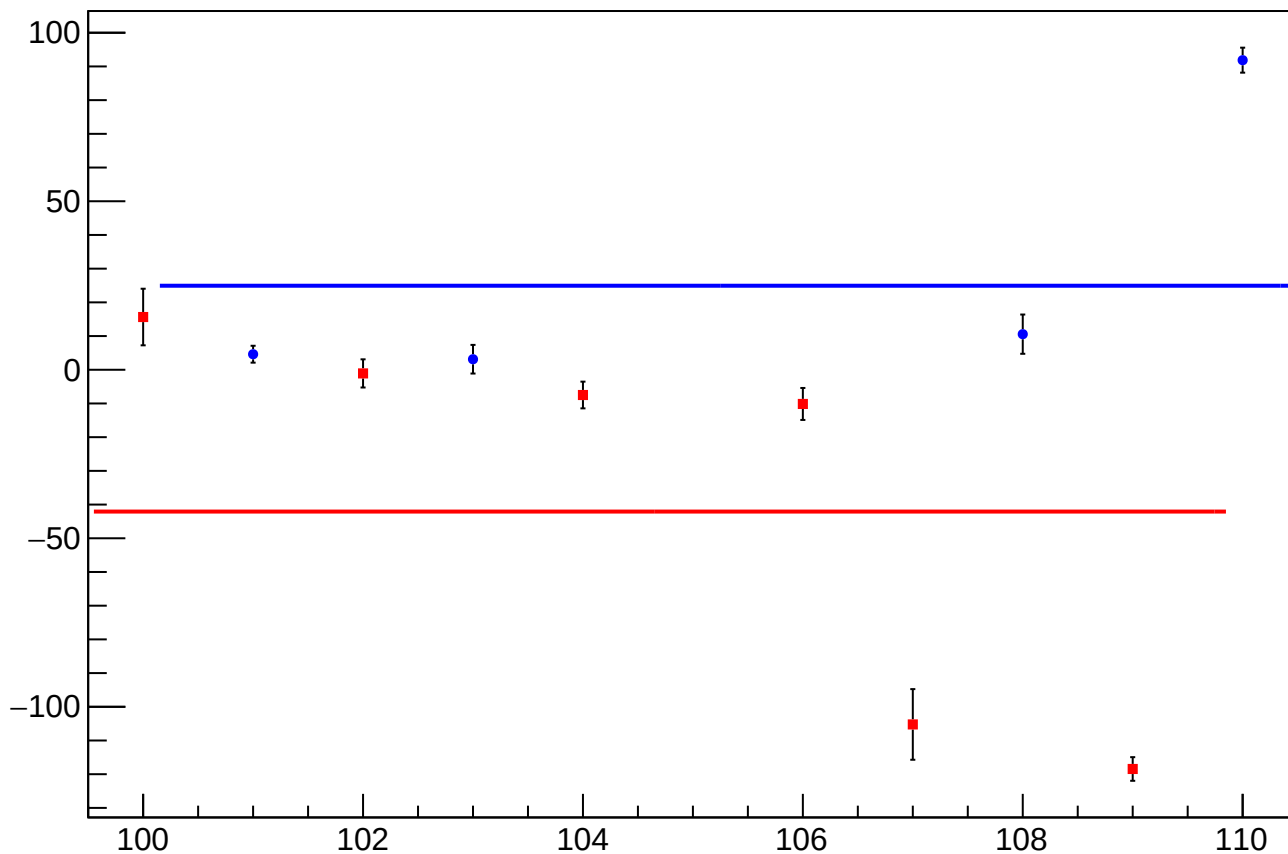
4.067+/-1.018  $\chi^2/\text{NDF}$ : 5.6/3

-1.822+/-0.789  $\chi^2/\text{NDF}$ : 101.8/9

-10.665+/-1.247  $\chi^2/\text{NDF}$ : 12.4/5



reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 24.933+/-1.776  $\chi^2/\text{NDF}$ : 424.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -42.074+/-1.925  $\chi^2/\text{NDF}$ : 775.4/5

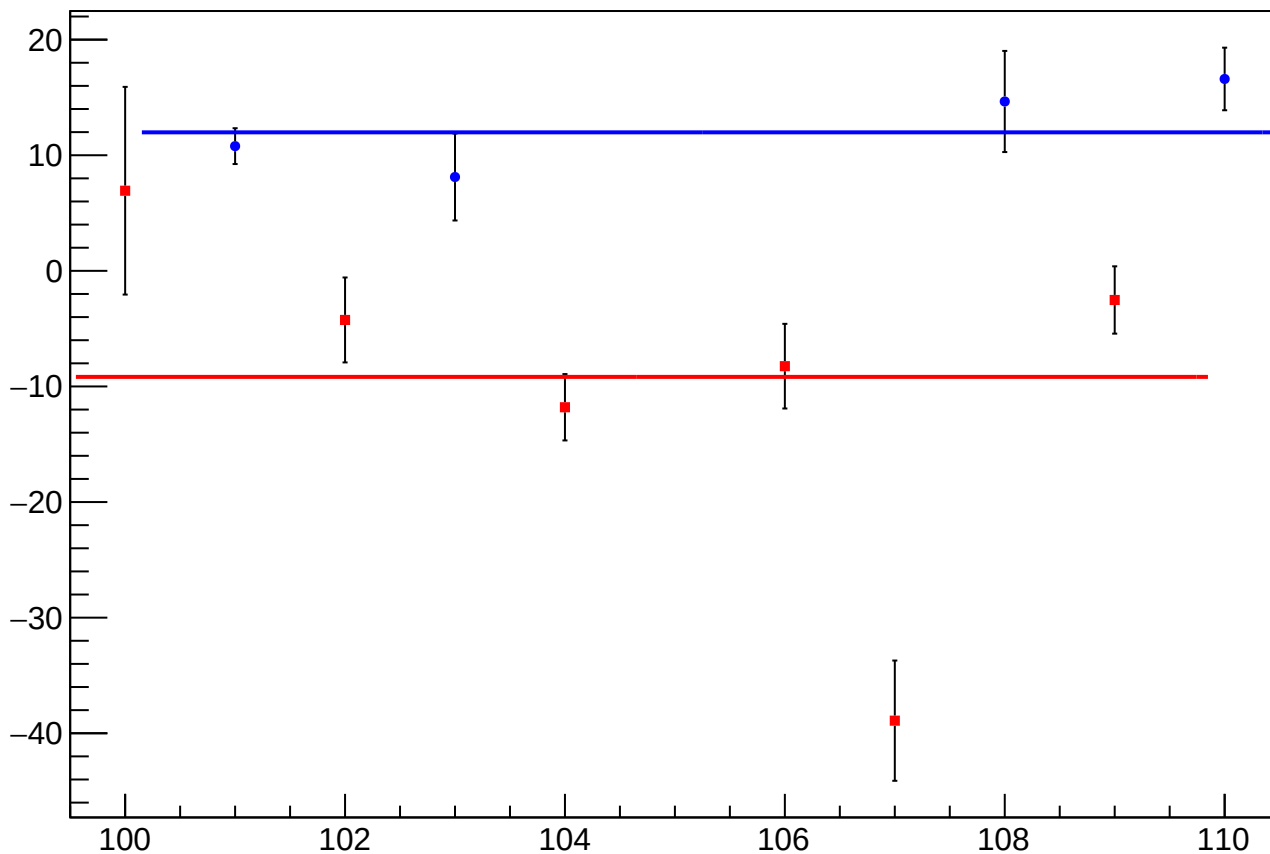
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

24.933+/-1.776  $\chi^2/\text{NDF}$ : 424.2/3

-5.878+/-1.305  $\chi^2/\text{NDF}$ : 1854.3/9

-42.074+/-1.925  $\chi^2/\text{NDF}$ : 775.4/5

reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 11.981+/-1.216  $\chi^2$ /NDF: 4.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -9.172+/-1.512  $\chi^2$ /NDF: 43.8/5

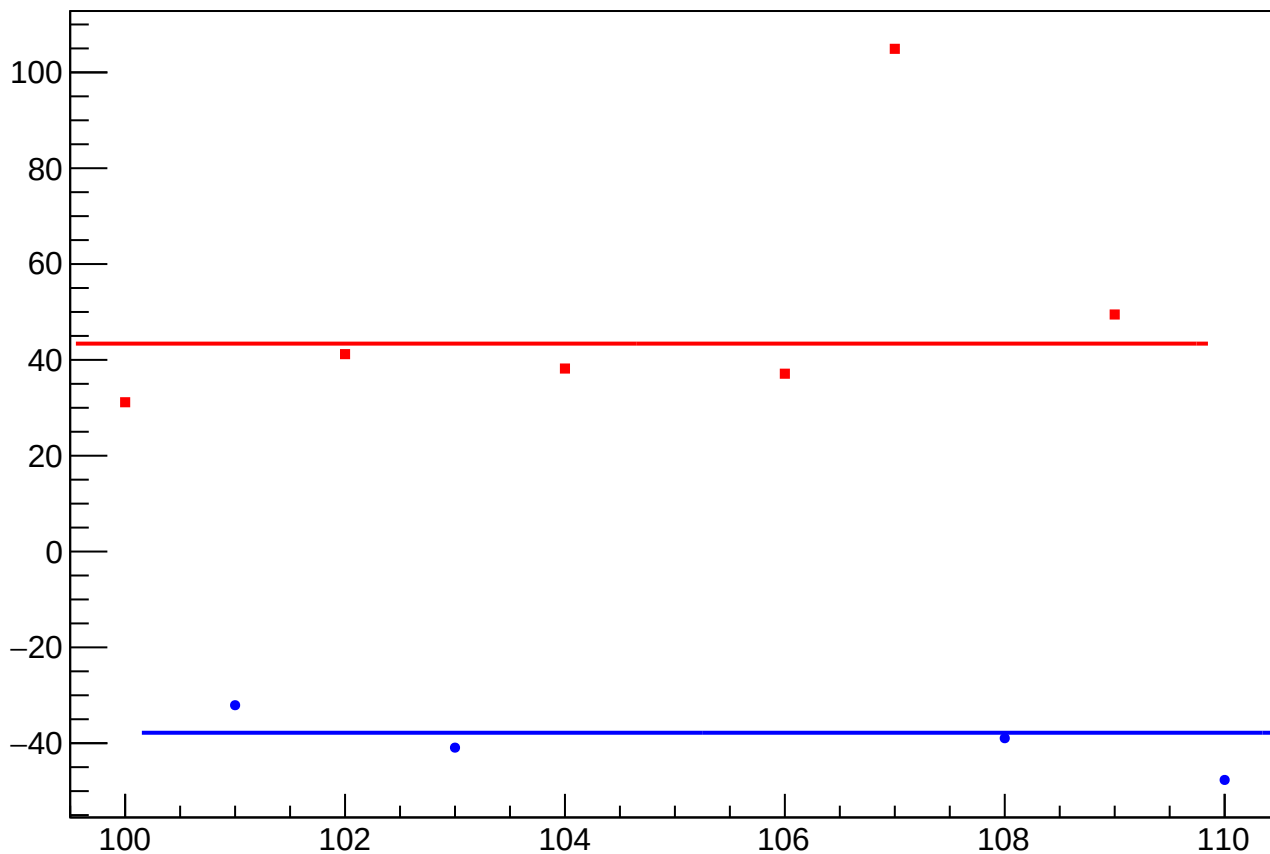
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

11.981+/-1.216  $\chi^2$ /NDF: 4.9/3

3.670+/-0.948  $\chi^2$ /NDF: 167.6/9

-9.172+/-1.512  $\chi^2$ /NDF: 43.8/5

reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -37.819+/-0.056  $\chi^2/\text{NDF}$ : 8181.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 43.394+/-0.054  $\chi^2/\text{NDF}$ : 74553.4/5

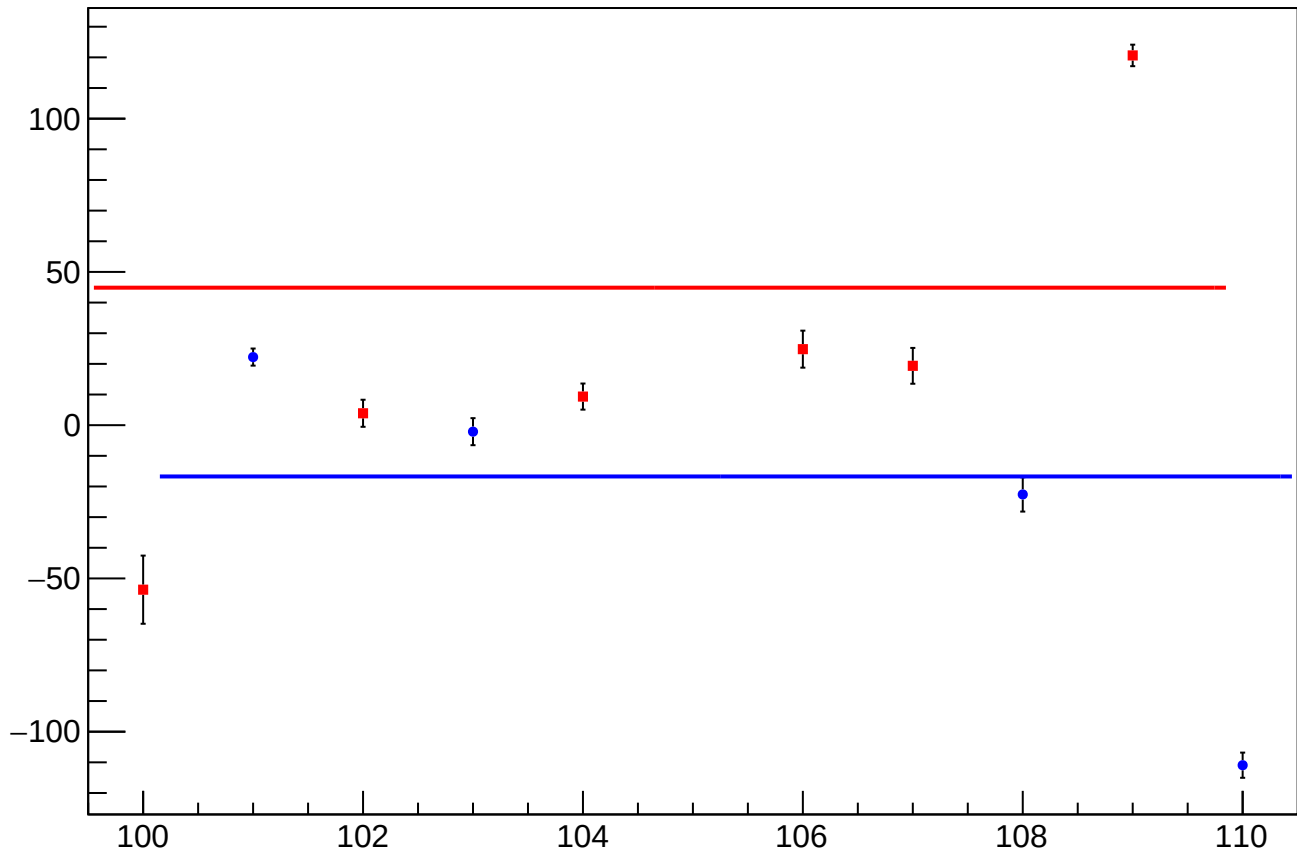
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-37.819+/-0.056  $\chi^2/\text{NDF}$ : 8181.9/3

3.982+/-0.039  $\chi^2/\text{NDF}$ : 1171336.6/9

43.394+/-0.054  $\chi^2/\text{NDF}$ : 74553.4/5

reg\_asym\_usr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-16.732 \pm 1.920$   $\chi^2/\text{NDF}$ : 732.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $44.861 \pm 1.990$   $\chi^2/\text{NDF}$ : 730.9/5

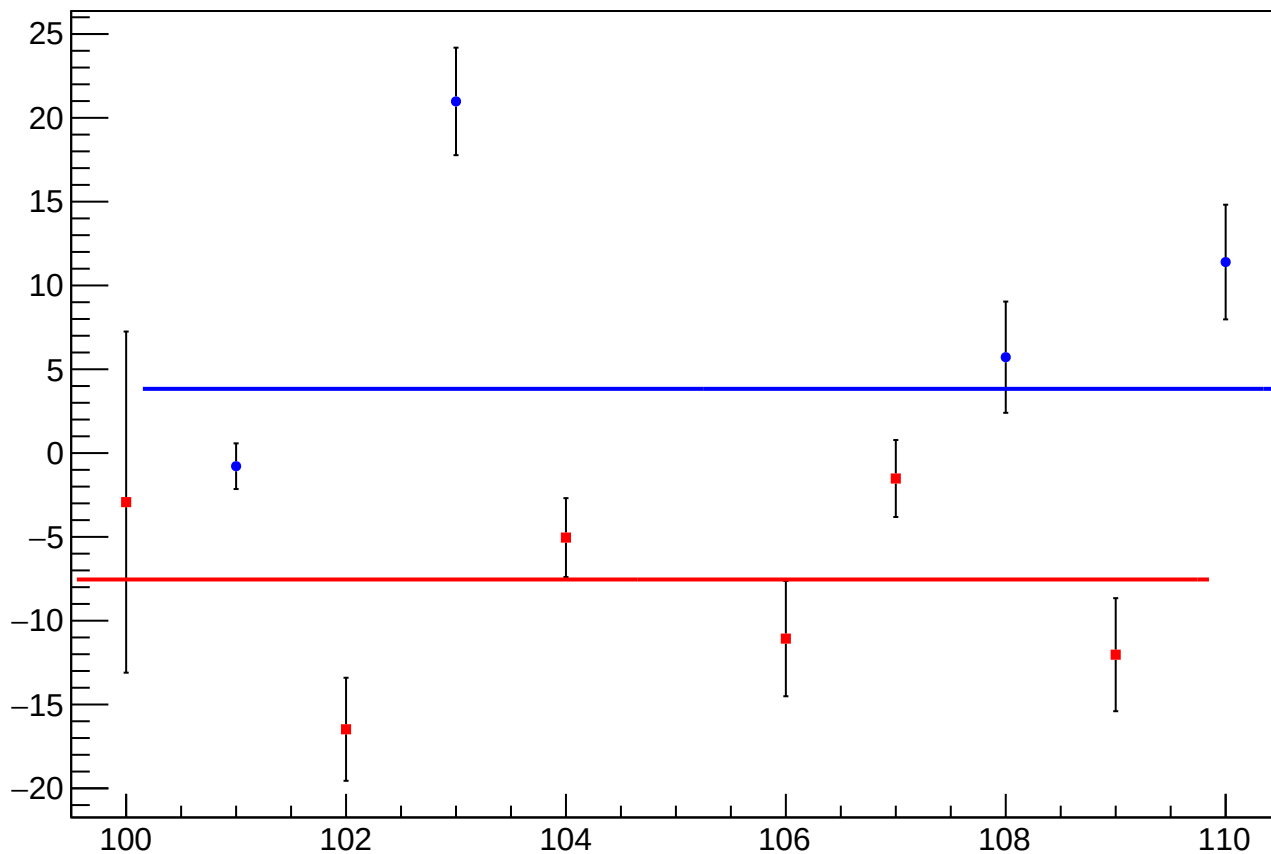
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-16.732 \pm 1.920$   $\chi^2/\text{NDF}$ : 732.7/3

$12.961 \pm 1.382$   $\chi^2/\text{NDF}$ : 1959.8/9

$44.861 \pm 1.990$   $\chi^2/\text{NDF}$ : 730.9/5

reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.832+/-1.110  $\chi^2/\text{NDF}$ : 45.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.542+/-1.233  $\chi^2/\text{NDF}$ : 19.5/5

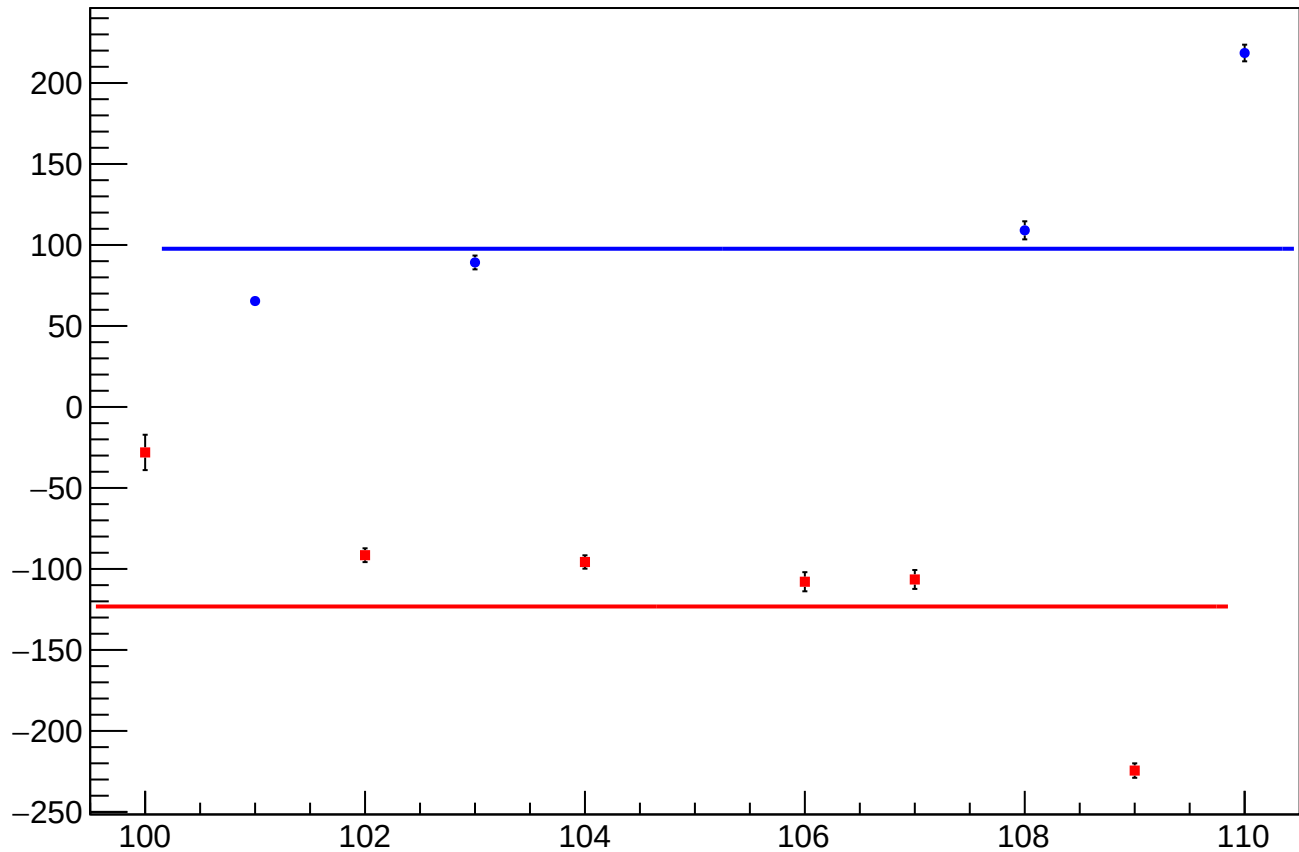
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.832+/-1.110  $\chi^2/\text{NDF}$ : 45.3/3

-1.259+/-0.825  $\chi^2/\text{NDF}$ : 111.8/9

-7.542+/-1.233  $\chi^2/\text{NDF}$ : 19.5/5

reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 97.675+/-1.948  $\chi^2/\text{NDF}$ : 705.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -123.179+/-2.082  $\chi^2/\text{NDF}$ : 706.0/5

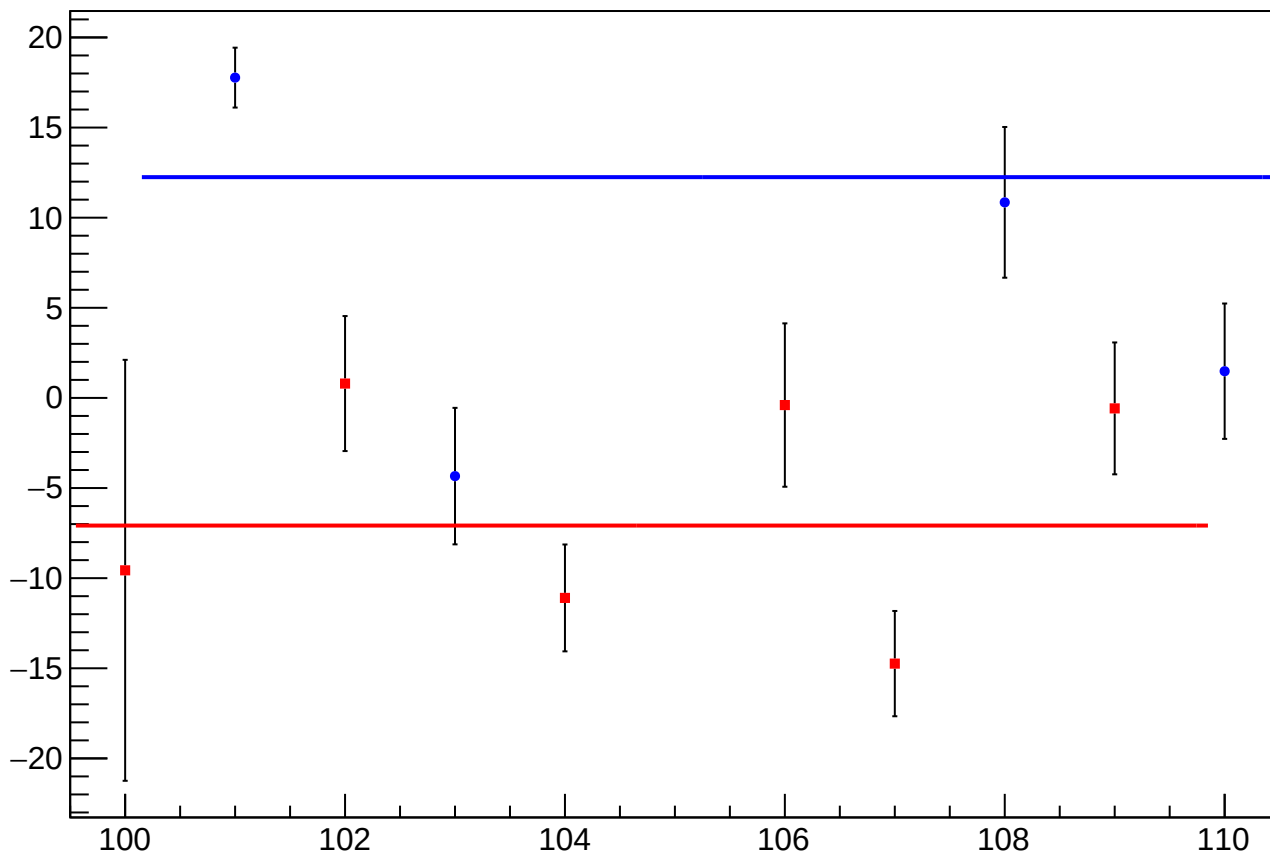
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

97.675+/-1.948  $\chi^2/\text{NDF}$ : 705.4/3

-5.391+/-1.422  $\chi^2/\text{NDF}$ : 7412.1/9

-123.179+/-2.082  $\chi^2/\text{NDF}$ : 706.0/5

reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 12.249+/-1.336  $\chi^2/\text{NDF}$ : 38.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.082+/-1.520  $\chi^2/\text{NDF}$ : 18.5/5

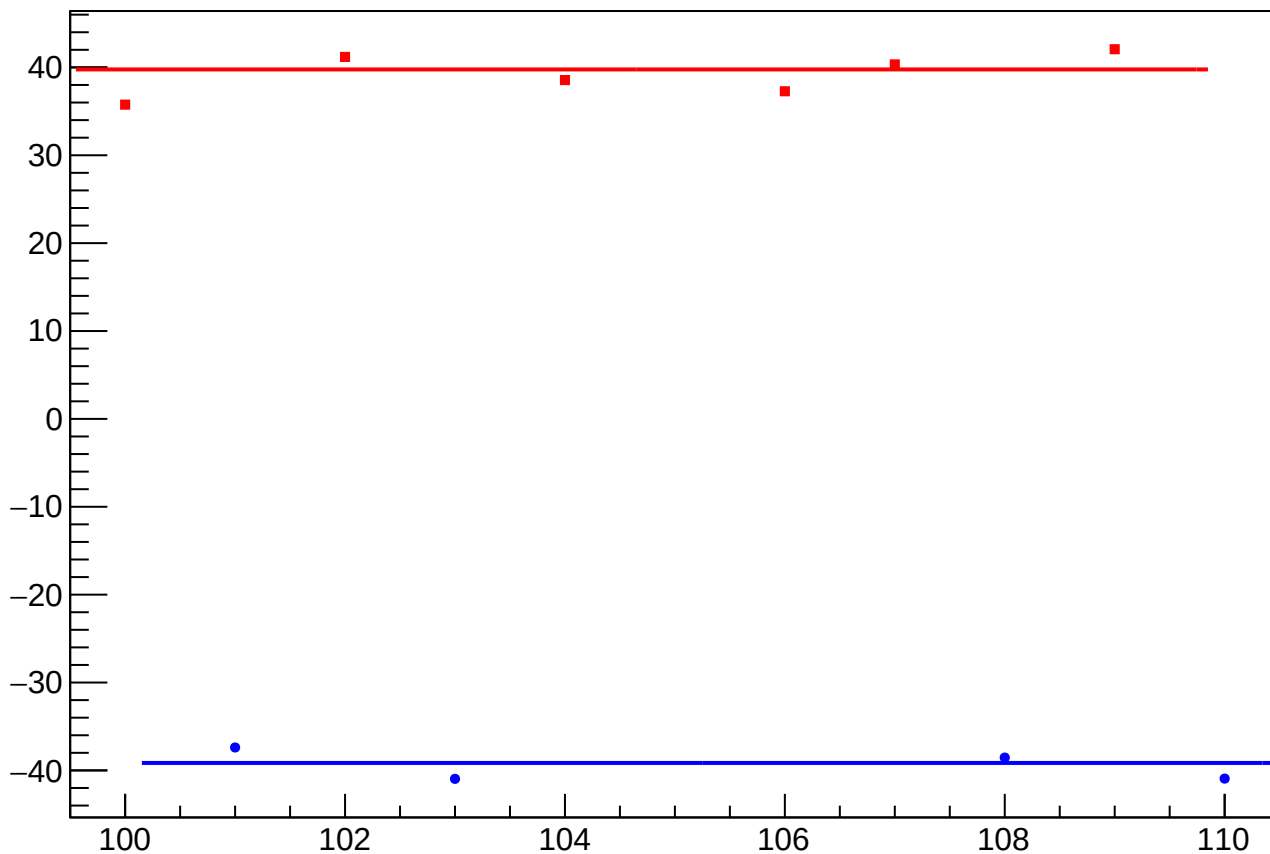
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

12.249+/-1.336  $\chi^2/\text{NDF}$ : 38.6/3

3.820+/-1.003  $\chi^2/\text{NDF}$ : 148.3/9

-7.082+/-1.520  $\chi^2/\text{NDF}$ : 18.5/5

reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-39.150 \pm 0.058$   $\chi^2/\text{NDF}: 764.2/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $39.767 \pm 0.055$   $\chi^2/\text{NDF}: 898.1/5$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

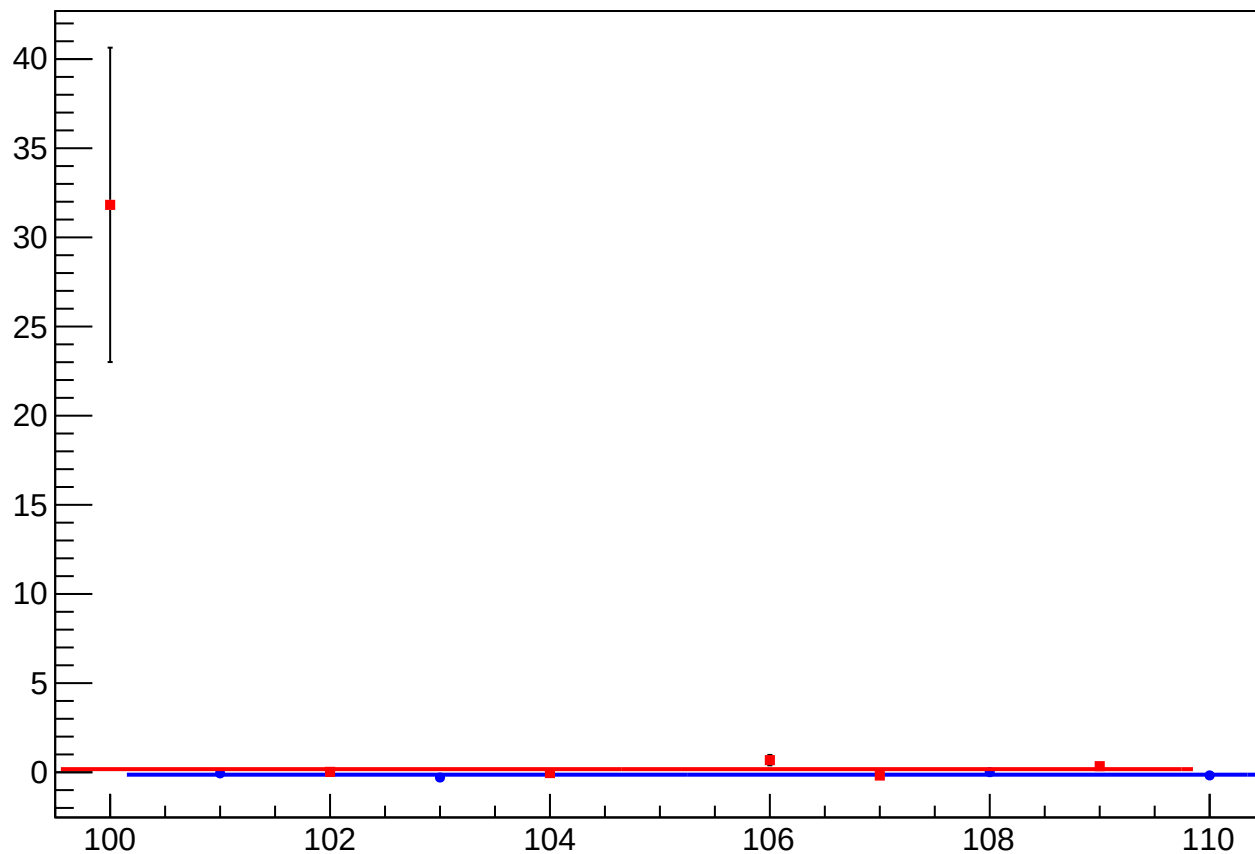
$-39.150 \pm 0.058$   $\chi^2/\text{NDF}: 764.2/3$

$2.322 \pm 0.040$   $\chi^2/\text{NDF}: 965161.9/9$

$39.767 \pm 0.055$   $\chi^2/\text{NDF}: 898.1/5$



# reg\_asym\_dsl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.135 \pm 0.088$   $\chi^2/\text{NDF}$ : 1.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.176 \pm 0.090$   $\chi^2/\text{NDF}$ : 20.6/5

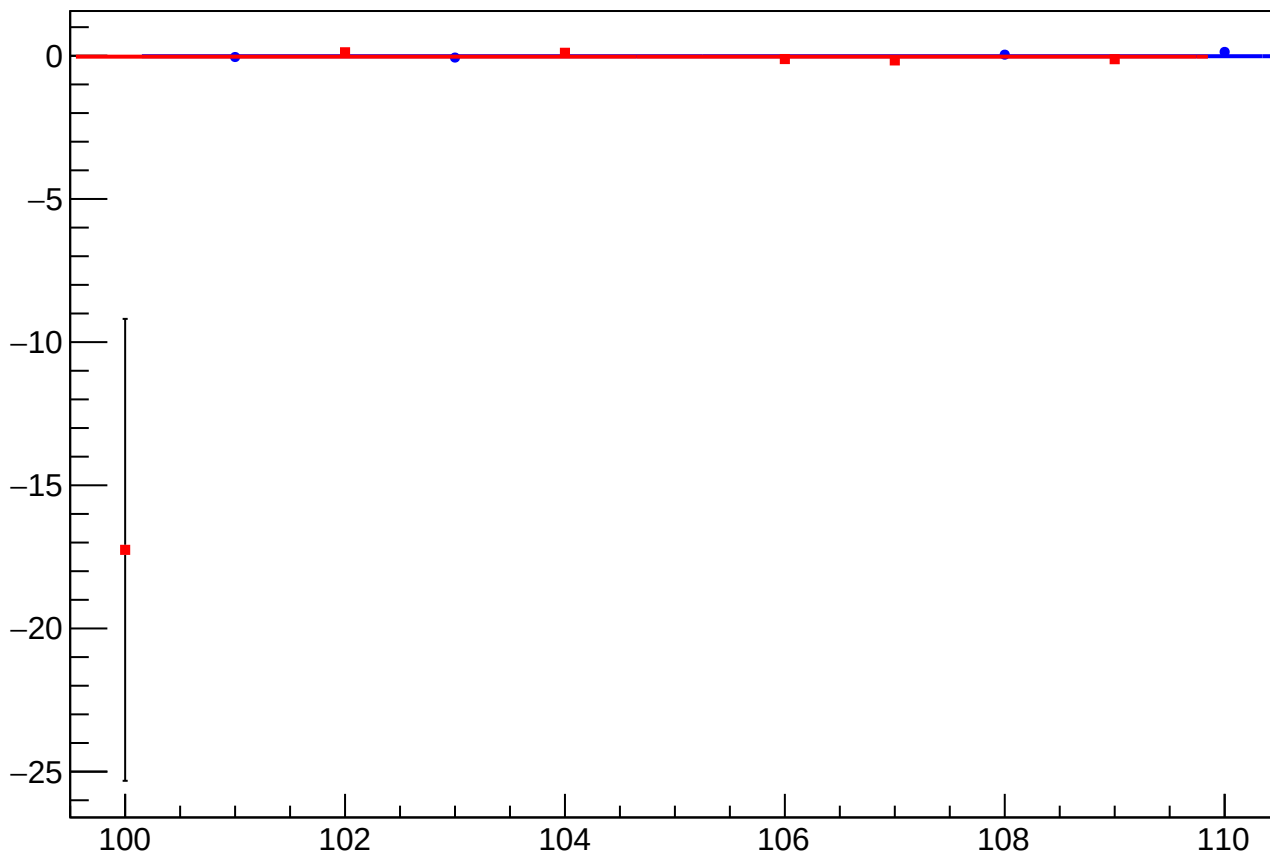
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.135 \pm 0.088$   $\chi^2/\text{NDF}$ : 1.4/3

$0.016 \pm 0.063$   $\chi^2/\text{NDF}$ : 28.1/9

$0.176 \pm 0.090$   $\chi^2/\text{NDF}$ : 20.6/5

reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.014 $\pm$ 0.052  $\chi^2$ /NDF: 1.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.030 $\pm$ 0.058  $\chi^2$ /NDF: 9.3/5

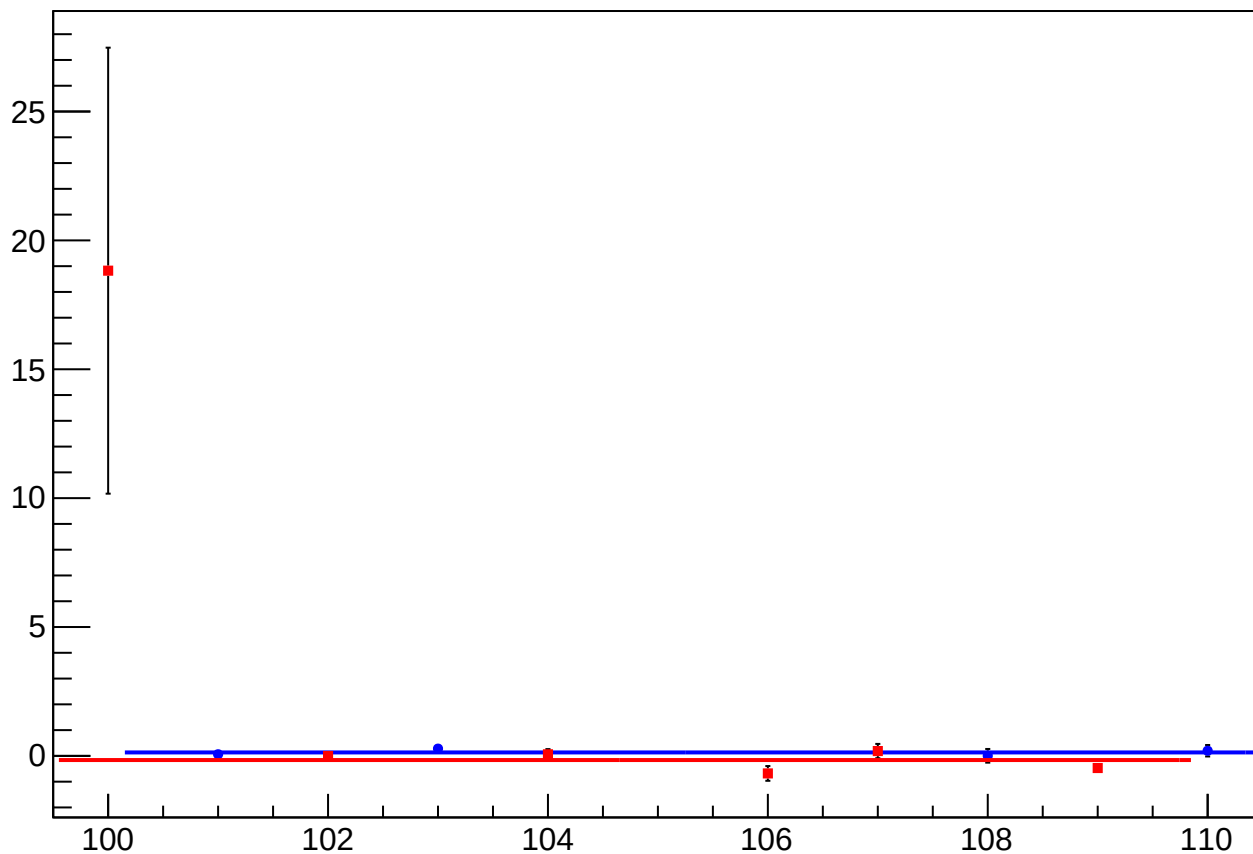
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.014 $\pm$ 0.052  $\chi^2$ /NDF: 1.5/3

-0.021 $\pm$ 0.039  $\chi^2$ /NDF: 10.8/9

-0.030 $\pm$ 0.058  $\chi^2$ /NDF: 9.3/5

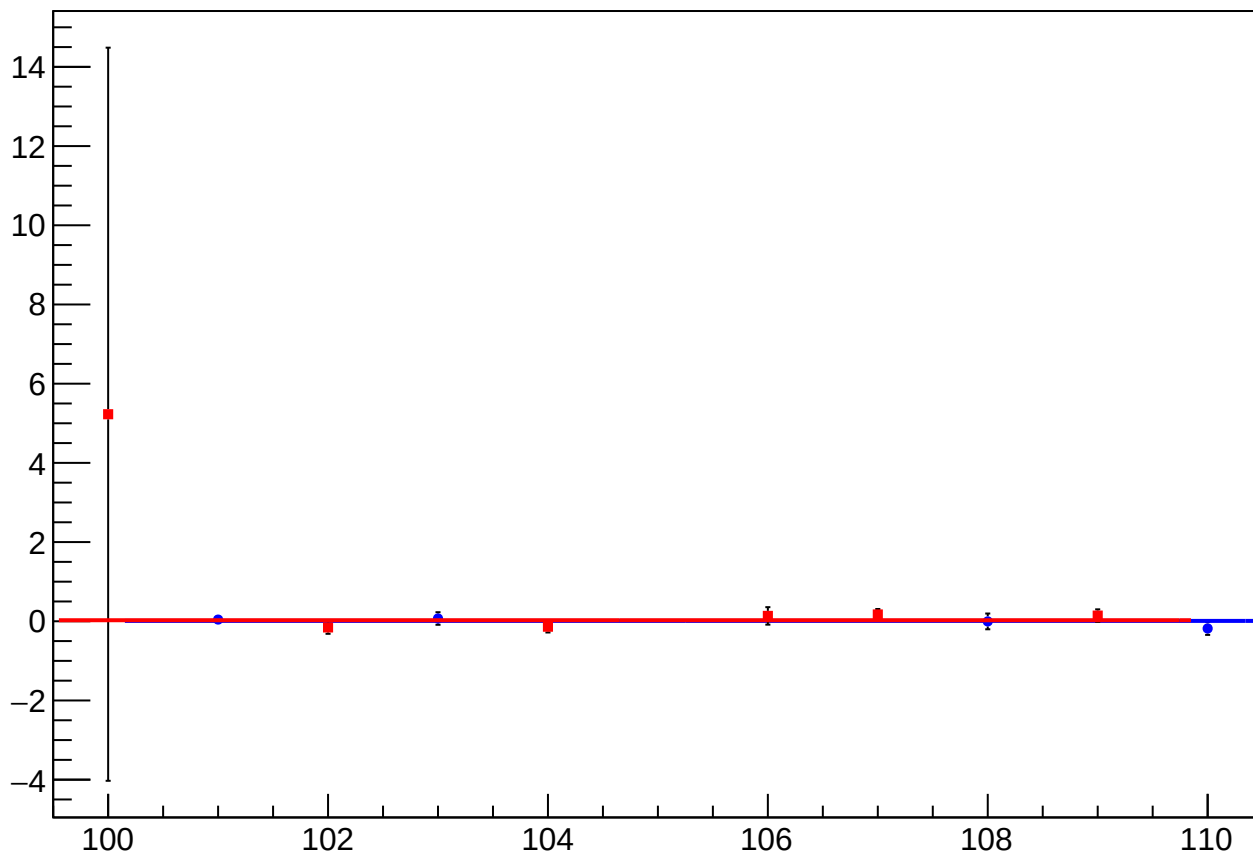
reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.134+/-0.089     $\chi^2/\text{NDF}$ : 1.3/3  
 Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -0.161+/-0.096     $\chi^2/\text{NDF}$ : 14.3/5  
 Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

0.134+/-0.089     $\chi^2/\text{NDF}$ : 1.3/3  
 -0.003+/-0.066     $\chi^2/\text{NDF}$ : 20.7/9  
 -0.161+/-0.096     $\chi^2/\text{NDF}$ : 14.3/5

reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.009+/-0.062  $\chi^2/\text{NDF}$ : 1.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.026+/-0.071  $\chi^2/\text{NDF}$ : 4.8/5

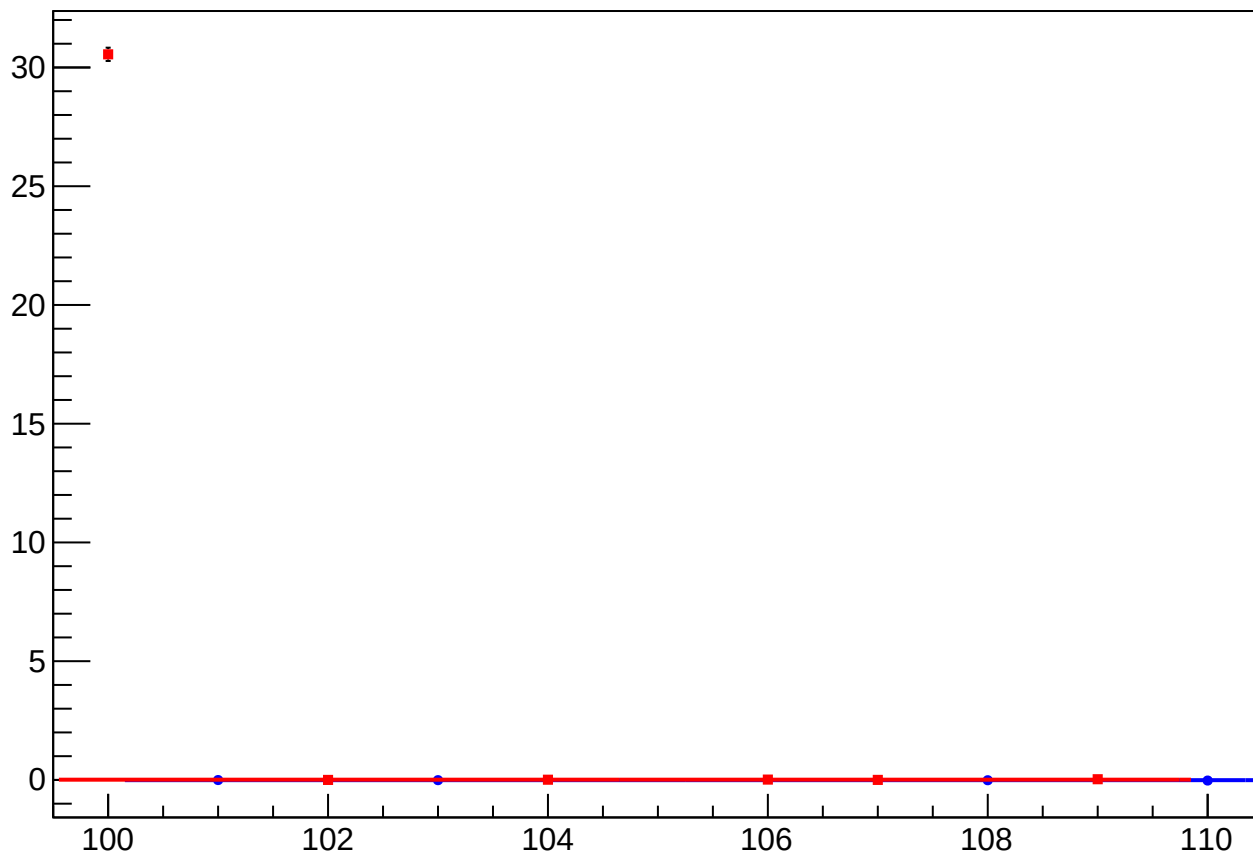
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.009+/-0.062  $\chi^2/\text{NDF}$ : 1.7/3

0.017+/-0.047  $\chi^2/\text{NDF}$ : 6.5/9

0.026+/-0.071  $\chi^2/\text{NDF}$ : 4.8/5

reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.010 \pm 0.003$   $\chi^2/\text{NDF}$ : 3.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.010 \pm 0.003$   $\chi^2/\text{NDF}$ : 11880.8/5

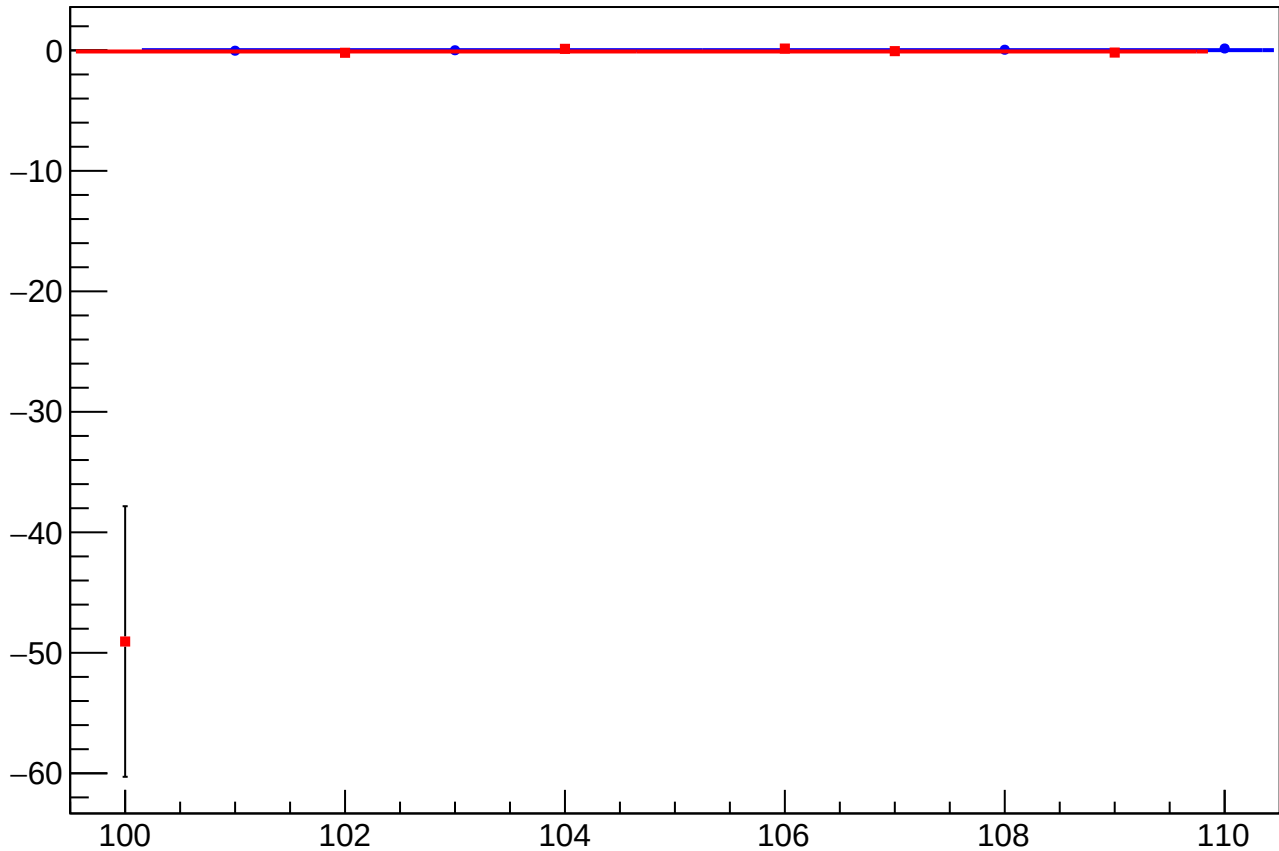
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.010 \pm 0.003$   $\chi^2/\text{NDF}$ : 3.5/3

$0.000 \pm 0.002$   $\chi^2/\text{NDF}$ : 11914.6/9

$0.010 \pm 0.003$   $\chi^2/\text{NDF}$ : 11880.8/5

reg\_asym\_dsr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.101  $\chi^2$ /NDF: 0.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.093 $\pm$ 0.113  $\chi^2$ /NDF: 20.6/5

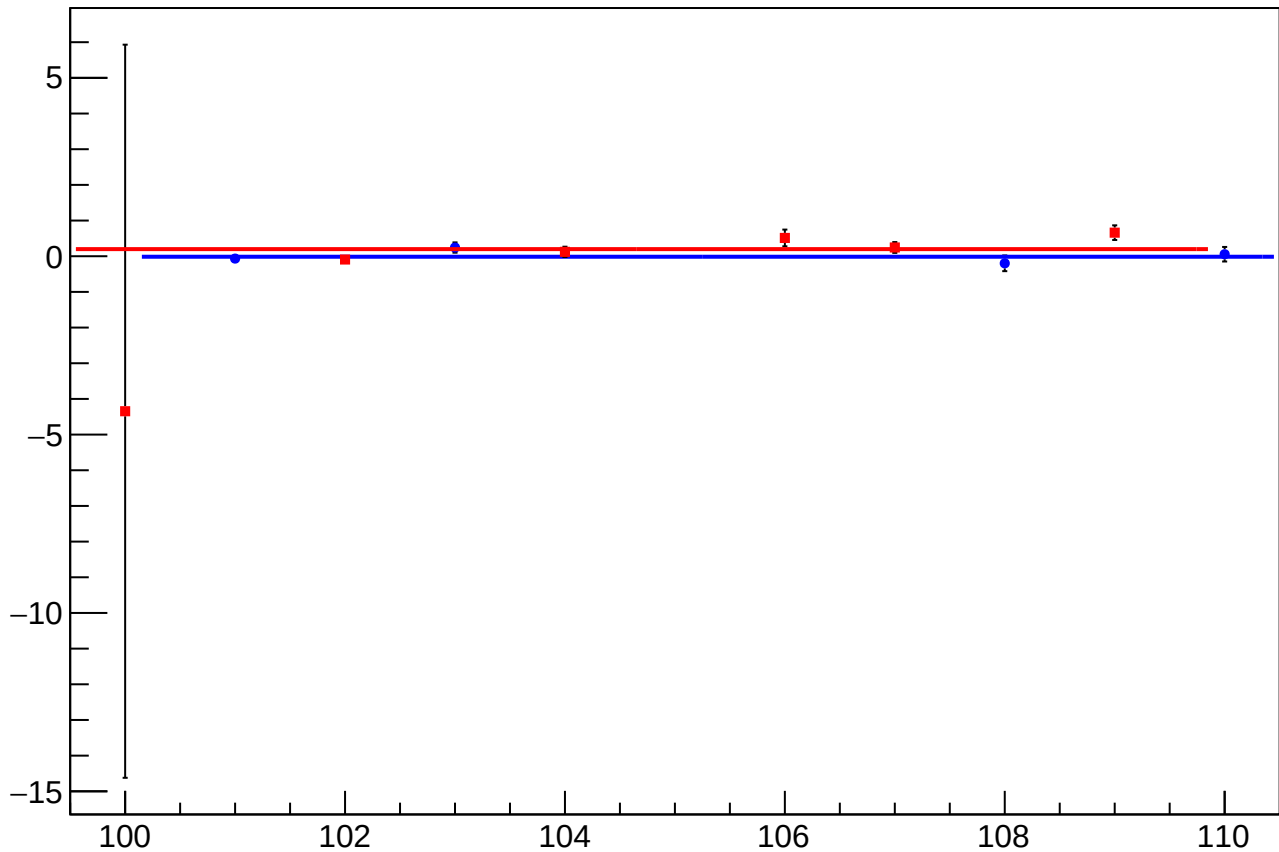
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.019 $\pm$ 0.101  $\chi^2$ /NDF: 0.4/3

-0.031 $\pm$ 0.076  $\chi^2$ /NDF: 21.6/9

-0.093 $\pm$ 0.113  $\chi^2$ /NDF: 20.6/5

reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.014+/-0.059  $\chi^2/\text{NDF}$ : 4.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.199+/-0.073  $\chi^2/\text{NDF}$ : 11.8/5

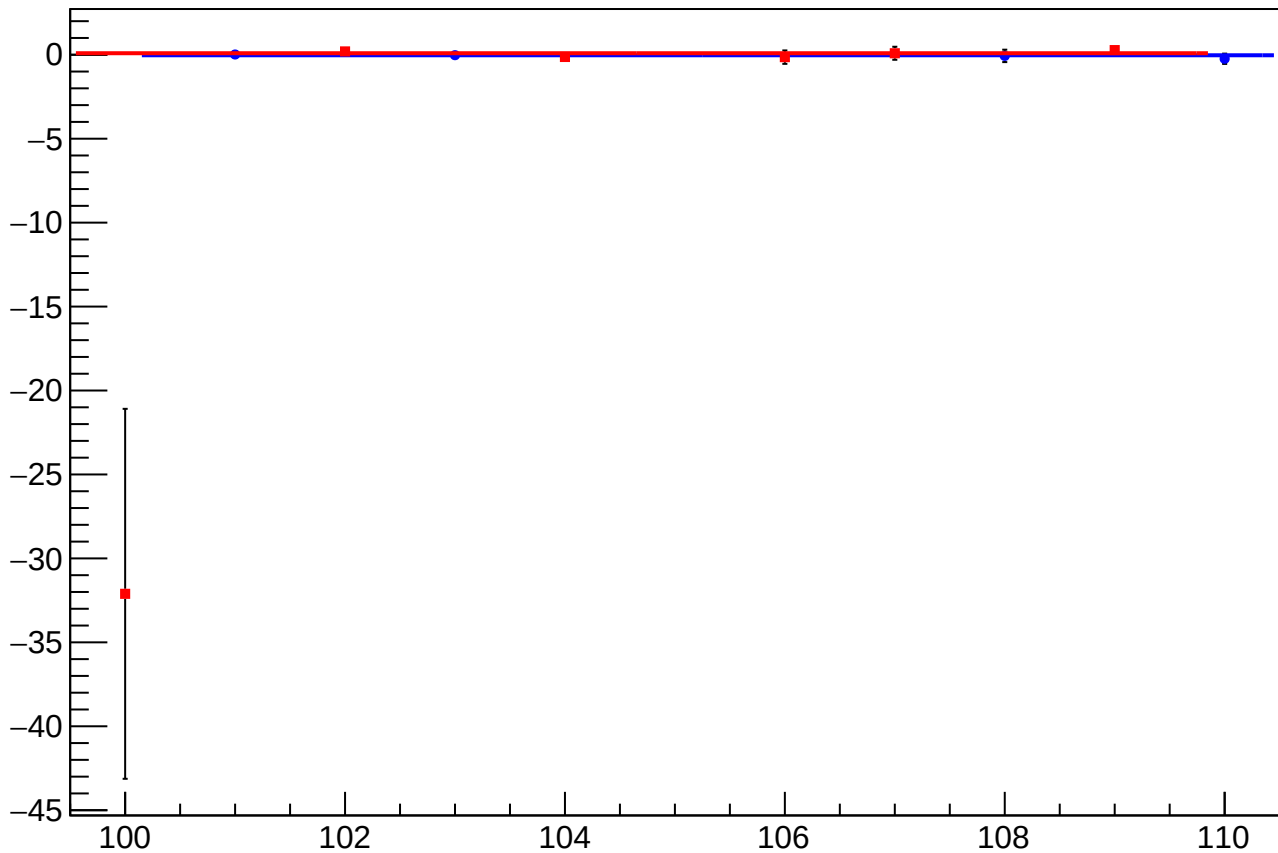
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.014+/-0.059  $\chi^2/\text{NDF}$ : 4.6/3

0.069+/-0.046  $\chi^2/\text{NDF}$ : 21.5/9

0.199+/-0.073  $\chi^2/\text{NDF}$ : 11.8/5

reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -0.030+/-0.102  $\chi^2$ /NDF: 0.6/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.091+/-0.118  $\chi^2$ /NDF: 10.6/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

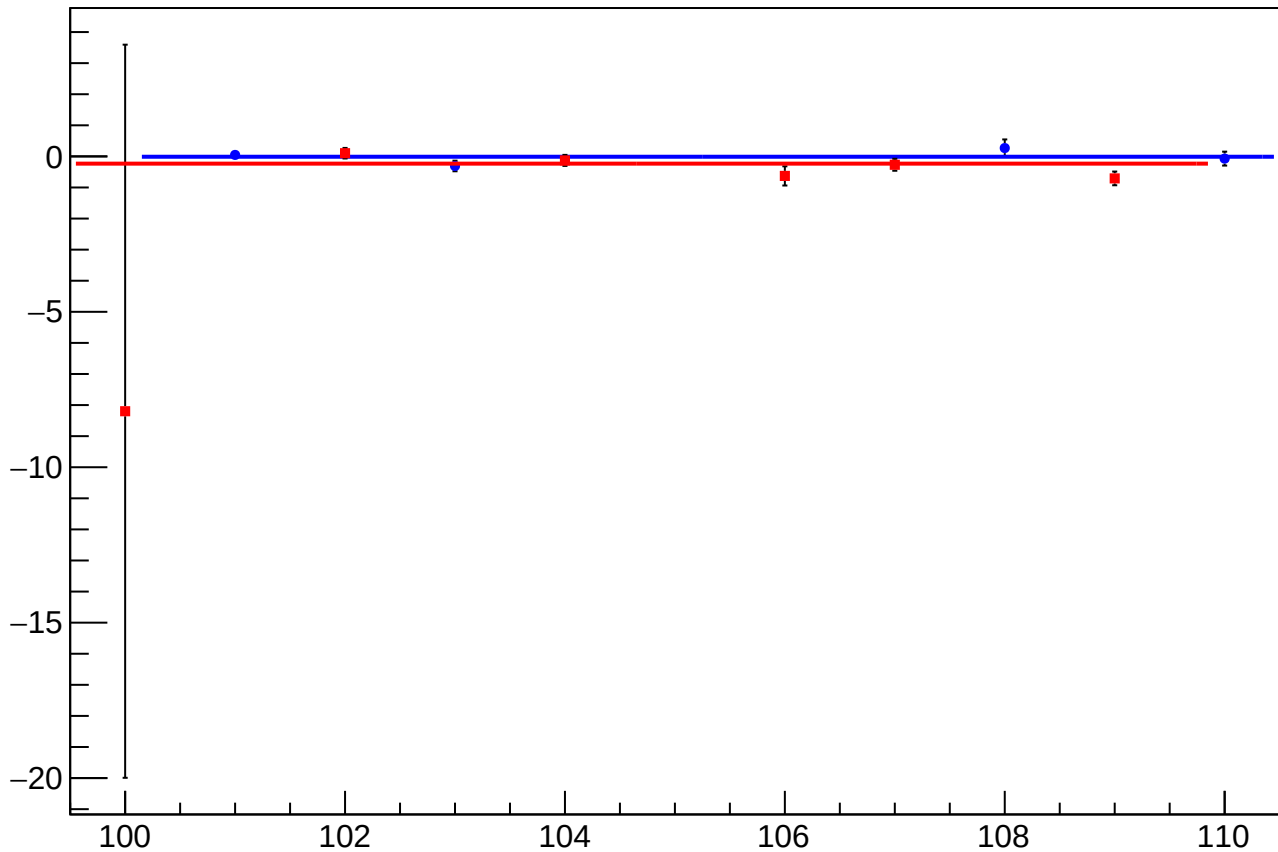
-0.030+/-0.102  $\chi^2$ /NDF: 0.6/3

0.022+/-0.077  $\chi^2$ /NDF: 11.8/9

0.091+/-0.118  $\chi^2$ /NDF: 10.6/5



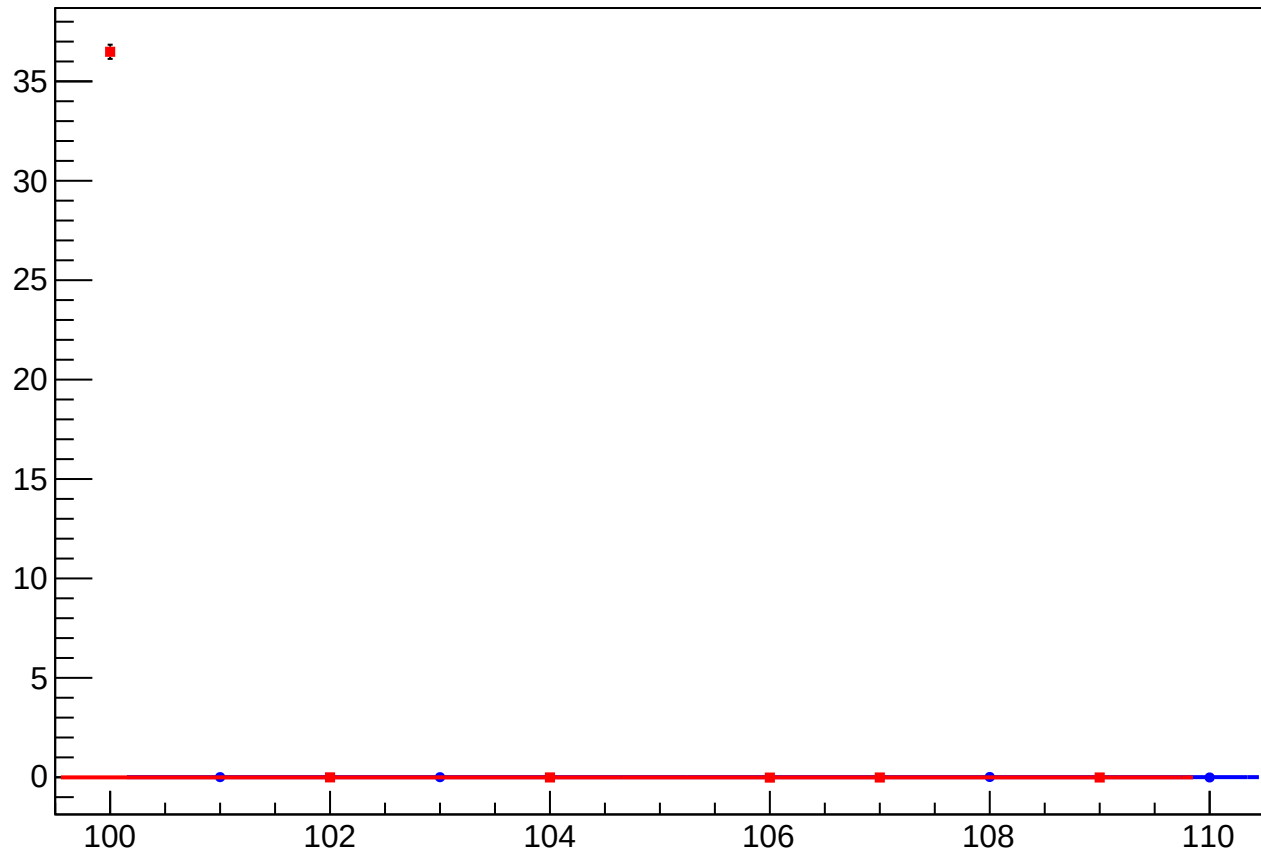
reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-0.011 \pm 0.071$   $\chi^2/\text{NDF}$ : 4.6/3  
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out:  $-0.233 \pm 0.090$   $\chi^2/\text{NDF}$ : 11.0/5  
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.011 \pm 0.071$   $\chi^2/\text{NDF}$ : 4.6/3  
 $-0.096 \pm 0.055$   $\chi^2/\text{NDF}$ : 19.4/9  
 $-0.233 \pm 0.090$   $\chi^2/\text{NDF}$ : 11.0/5

reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.003  $\chi^2$ /NDF: 2.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.006 $\pm$ 0.003  $\chi^2$ /NDF: 10432.8/5

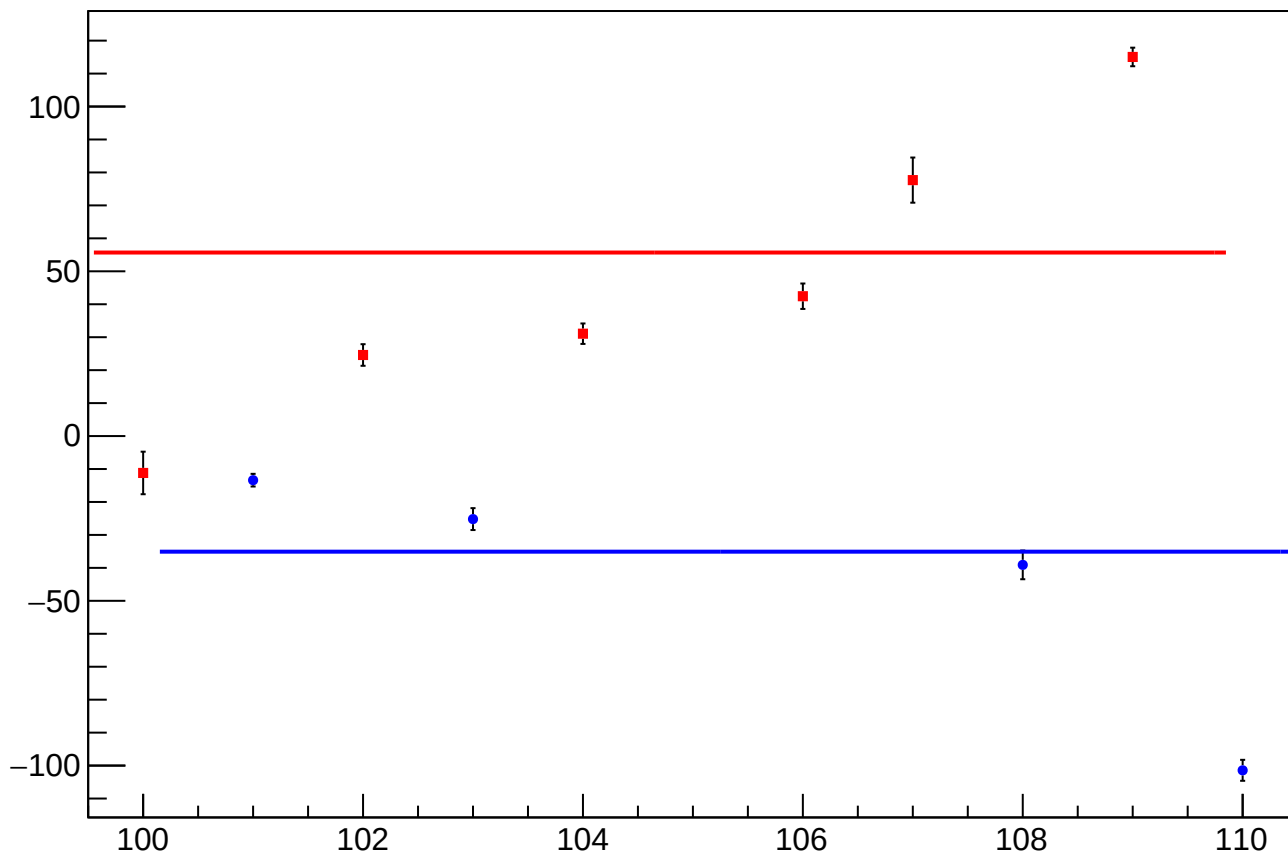
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

0.007 $\pm$ 0.003  $\chi^2$ /NDF: 2.4/3

0.001 $\pm$ 0.002  $\chi^2$ /NDF: 10443.2/9

-0.006 $\pm$ 0.003  $\chi^2$ /NDF: 10432.8/5

reg\_asym\_us\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-35.085 \pm 1.397$   $\chi^2/\text{NDF}$ : 571.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $55.695 \pm 1.516$   $\chi^2/\text{NDF}$ : 726.3/5

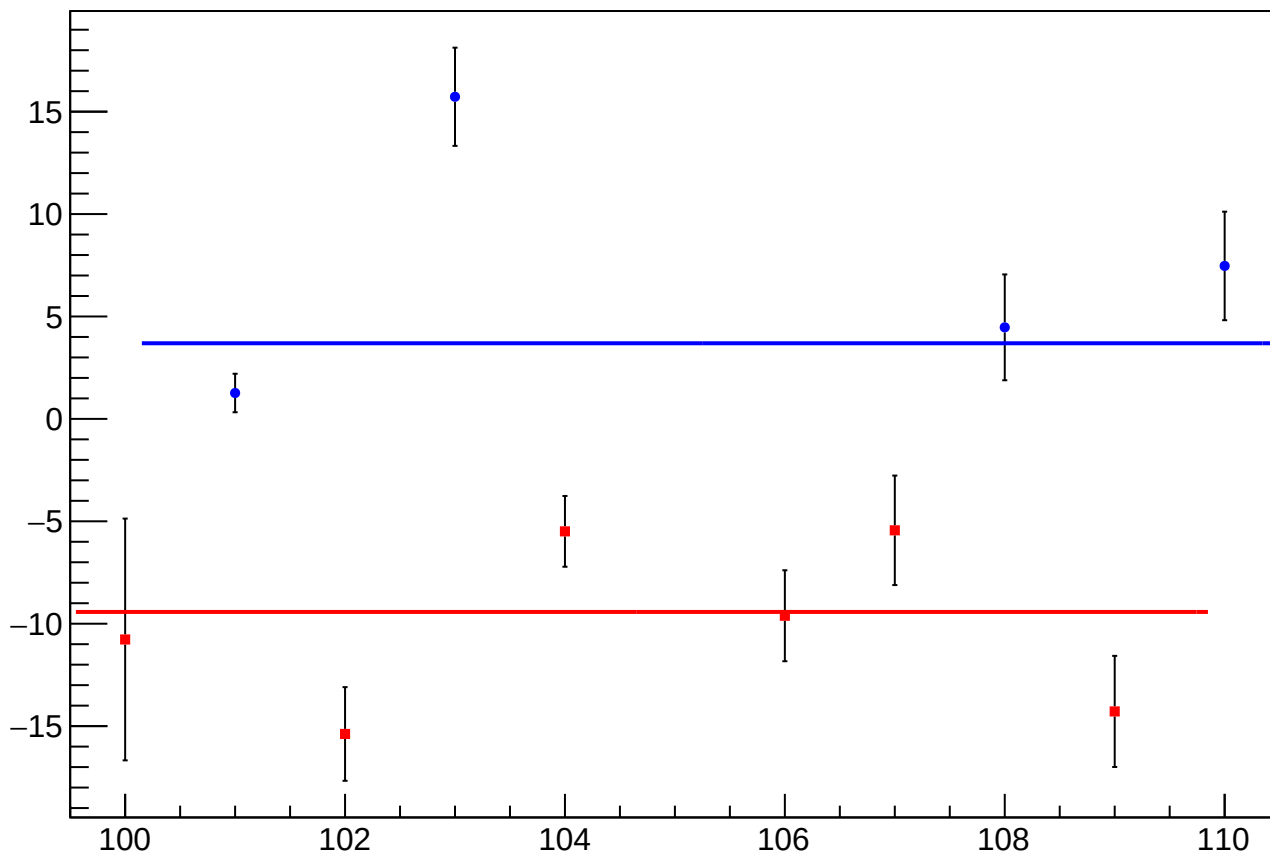
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-35.085 \pm 1.397$   $\chi^2/\text{NDF}$ : 571.8/3

$6.608 \pm 1.027$   $\chi^2/\text{NDF}$ : 3238.1/9

$55.695 \pm 1.516$   $\chi^2/\text{NDF}$ : 726.3/5

reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.692+/-0.791  $\chi^2/\text{NDF}$ : 34.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.425+/-0.984  $\chi^2/\text{NDF}$ : 17.5/5

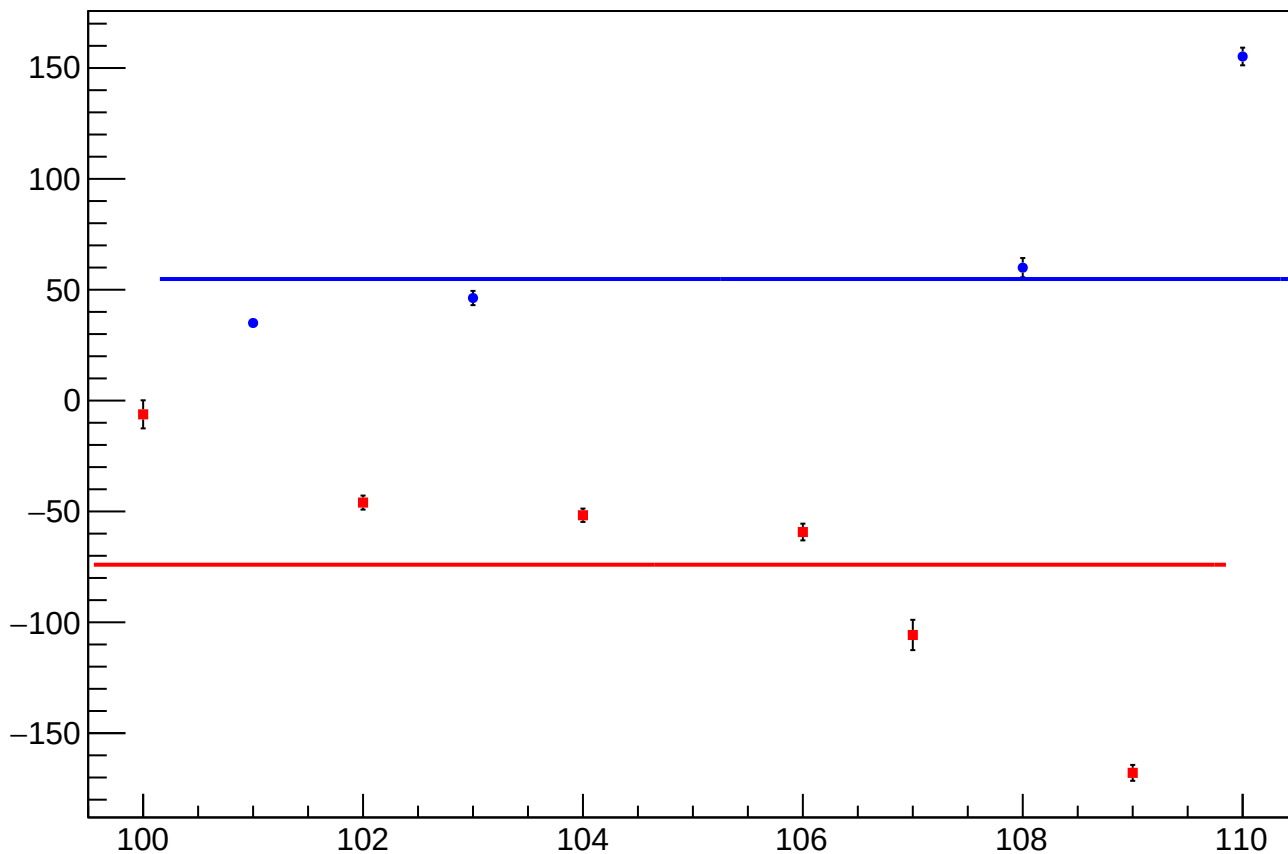
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.692+/-0.791  $\chi^2/\text{NDF}$ : 34.0/3

-1.461+/-0.616  $\chi^2/\text{NDF}$ : 159.5/9

-9.425+/-0.984  $\chi^2/\text{NDF}$ : 17.5/5

reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 54.829+/-1.408  $\chi^2/\text{NDF}$ : 758.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -74.018+/-1.571  $\chi^2/\text{NDF}$ : 971.7/5

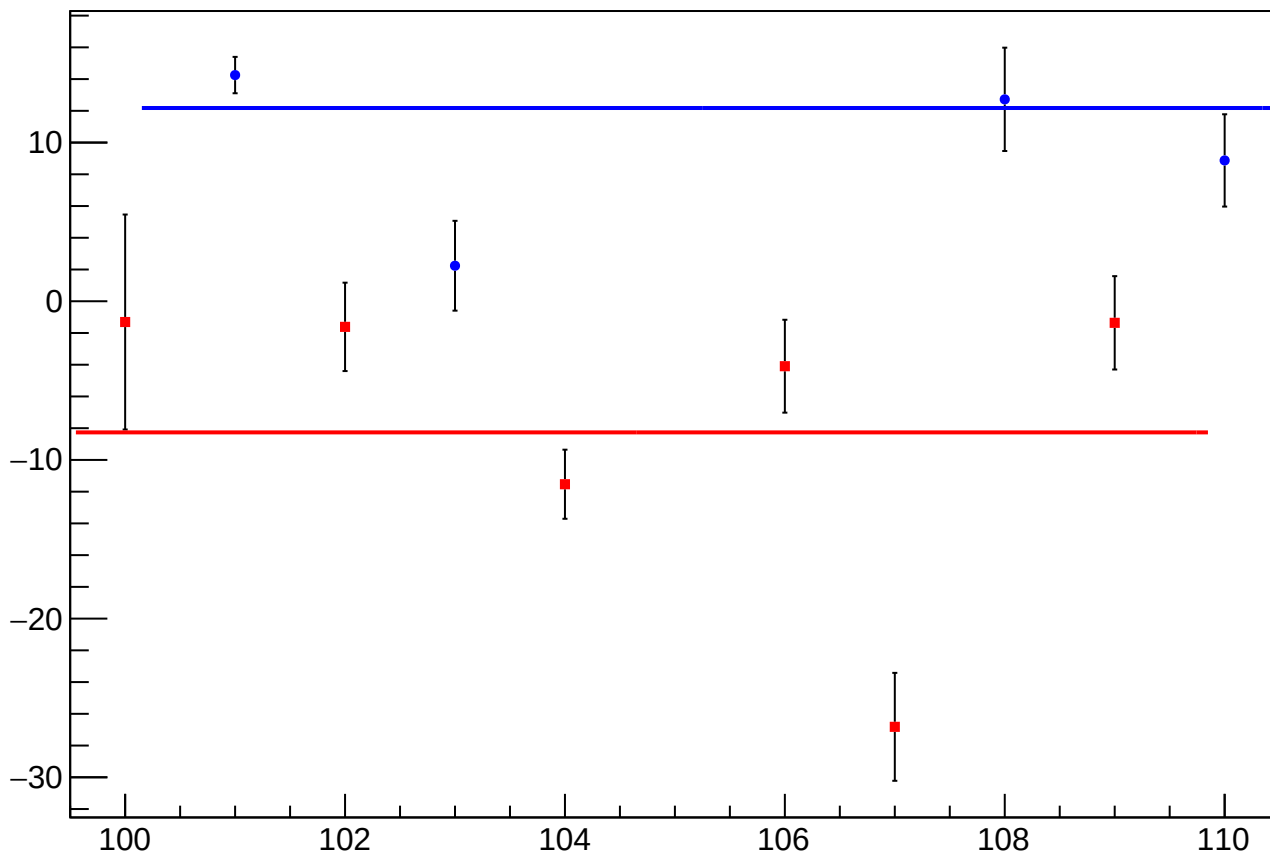
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

54.829+/-1.408  $\chi^2/\text{NDF}$ : 758.8/3

-2.557+/-1.049  $\chi^2/\text{NDF}$ : 5459.9/9

-74.018+/-1.571  $\chi^2/\text{NDF}$ : 971.7/5

reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 12.178+/-0.954  $\chi^2/\text{NDF}$ : 16.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -8.265+/-1.212  $\chi^2/\text{NDF}$ : 46.3/5

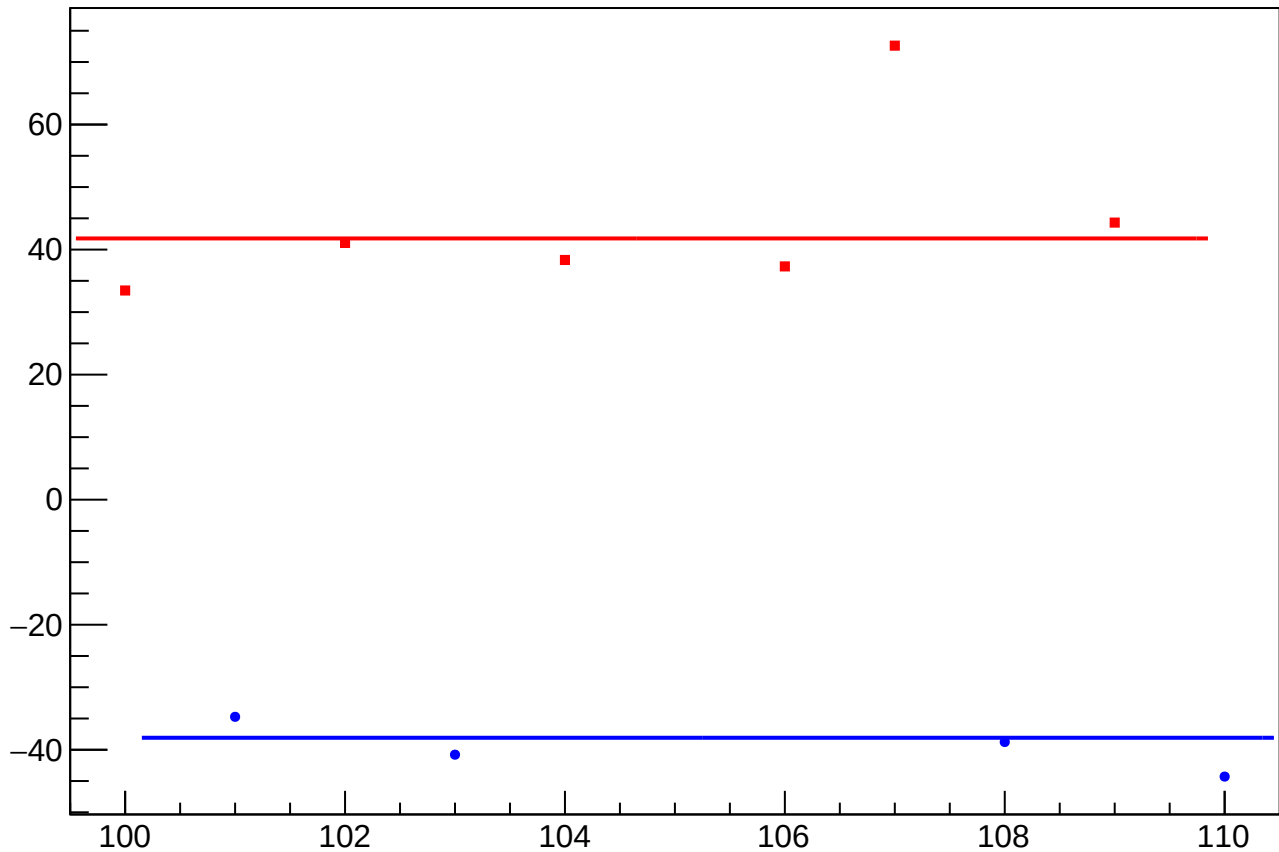
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

12.178+/-0.954  $\chi^2/\text{NDF}$ : 16.9/3

4.359+/-0.750  $\chi^2/\text{NDF}$ : 238.9/9

-8.265+/-1.212  $\chi^2/\text{NDF}$ : 46.3/5

reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.081+/-0.043  $\chi^2/\text{NDF}$ : 5007.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 41.783+/-0.042  $\chi^2/\text{NDF}$ : 44546.7/5

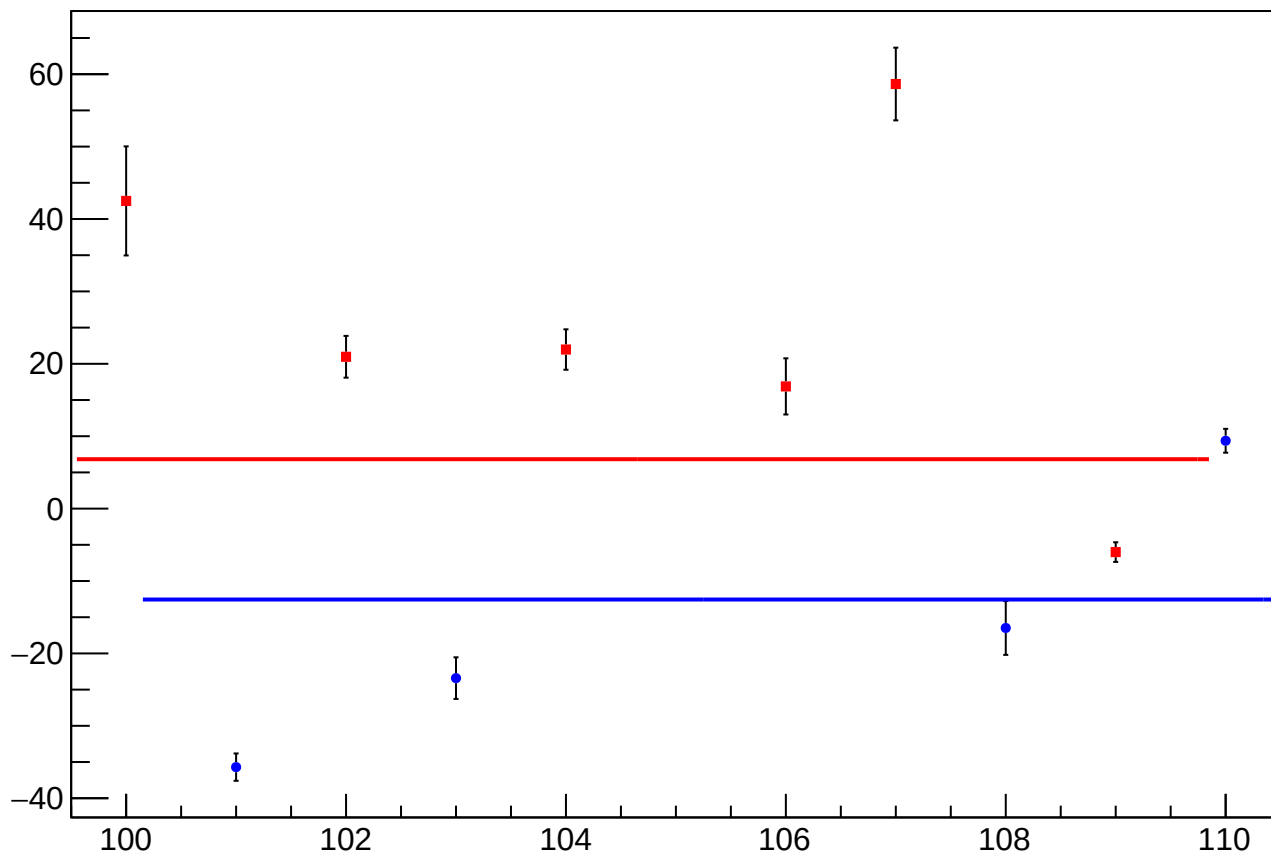
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-38.081+/-0.043  $\chi^2/\text{NDF}$ : 5007.1/3

2.520+/-0.030  $\chi^2/\text{NDF}$ : 1820334.7/9

41.783+/-0.042  $\chi^2/\text{NDF}$ : 44546.7/5

reg\_asym\_us\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -12.556+/-1.089  $\chi^2/\text{NDF}$ : 343.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.825+/-1.044  $\chi^2/\text{NDF}$ : 278.9/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

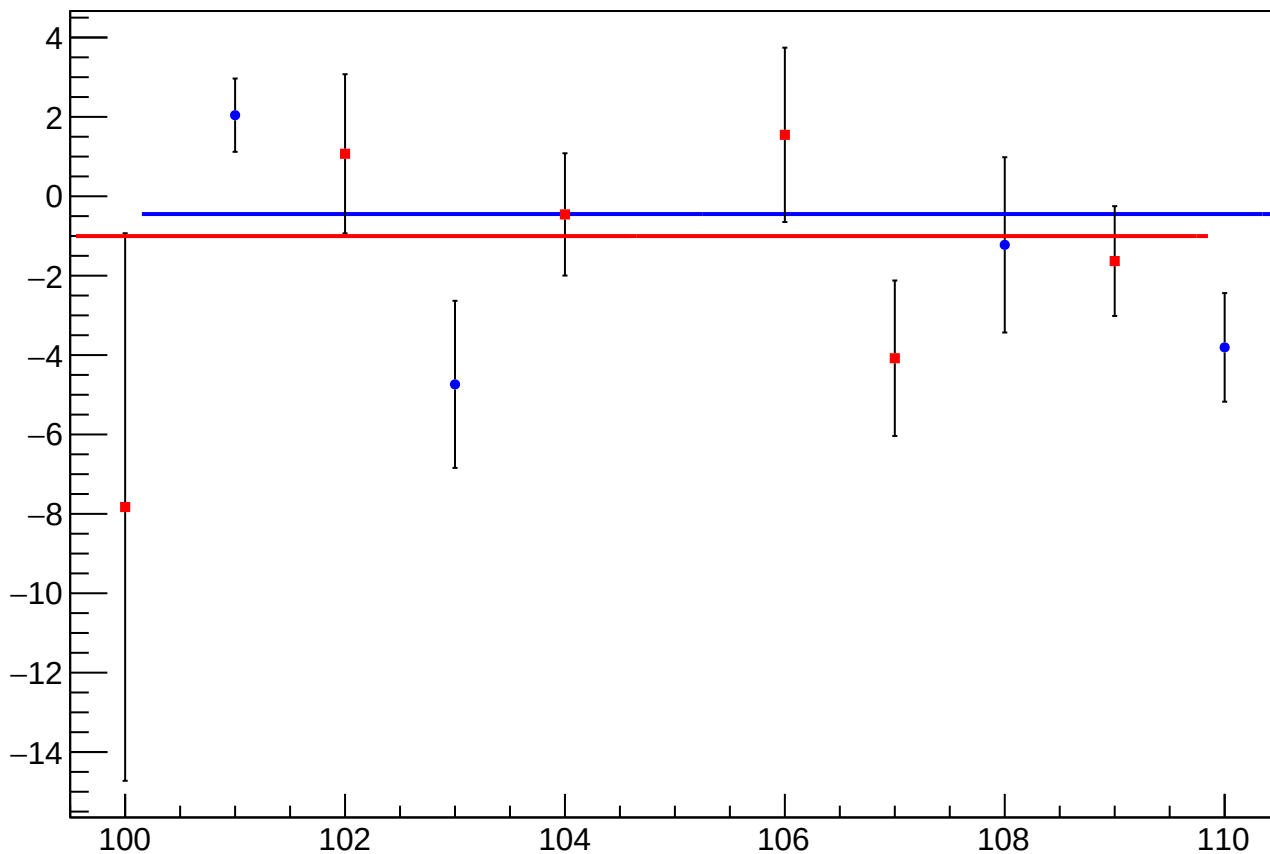
-12.556+/-1.089  $\chi^2/\text{NDF}$ : 343.0/3

-2.454+/-0.754  $\chi^2/\text{NDF}$ : 787.0/9

6.825+/-1.044  $\chi^2/\text{NDF}$ : 278.9/5



reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.448 $\pm$ 0.684  $\chi^2$ /NDF: 17.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.003 $\pm$ 0.771  $\chi^2$ /NDF: 6.2/5

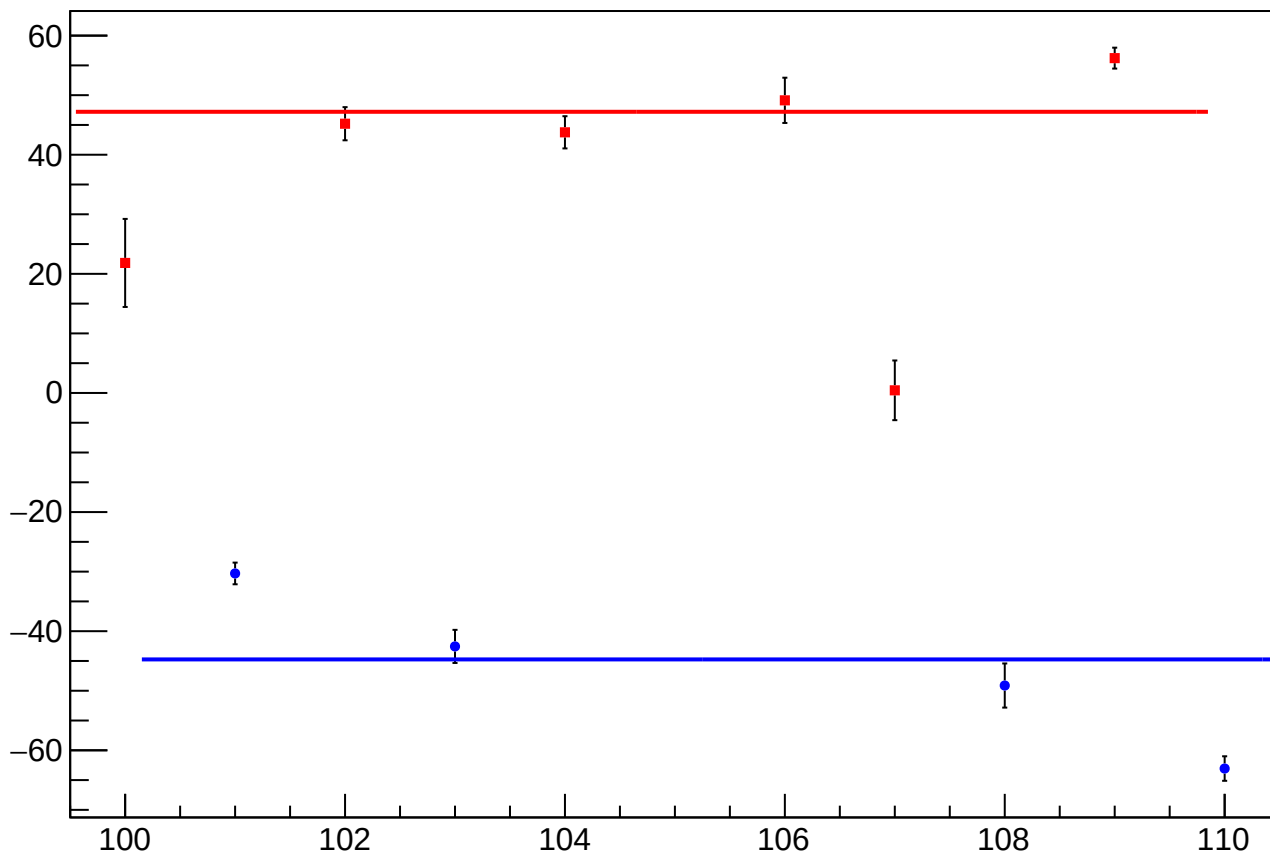
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.448 $\pm$ 0.684  $\chi^2$ /NDF: 17.6/3

-0.692 $\pm$ 0.512  $\chi^2$ /NDF: 24.1/9

-1.003 $\pm$ 0.771  $\chi^2$ /NDF: 6.2/5

reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -44.740 $\pm$ 1.162  $\chi^2$ /NDF: 144.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 47.210 $\pm$ 1.180  $\chi^2$ /NDF: 127.7/5

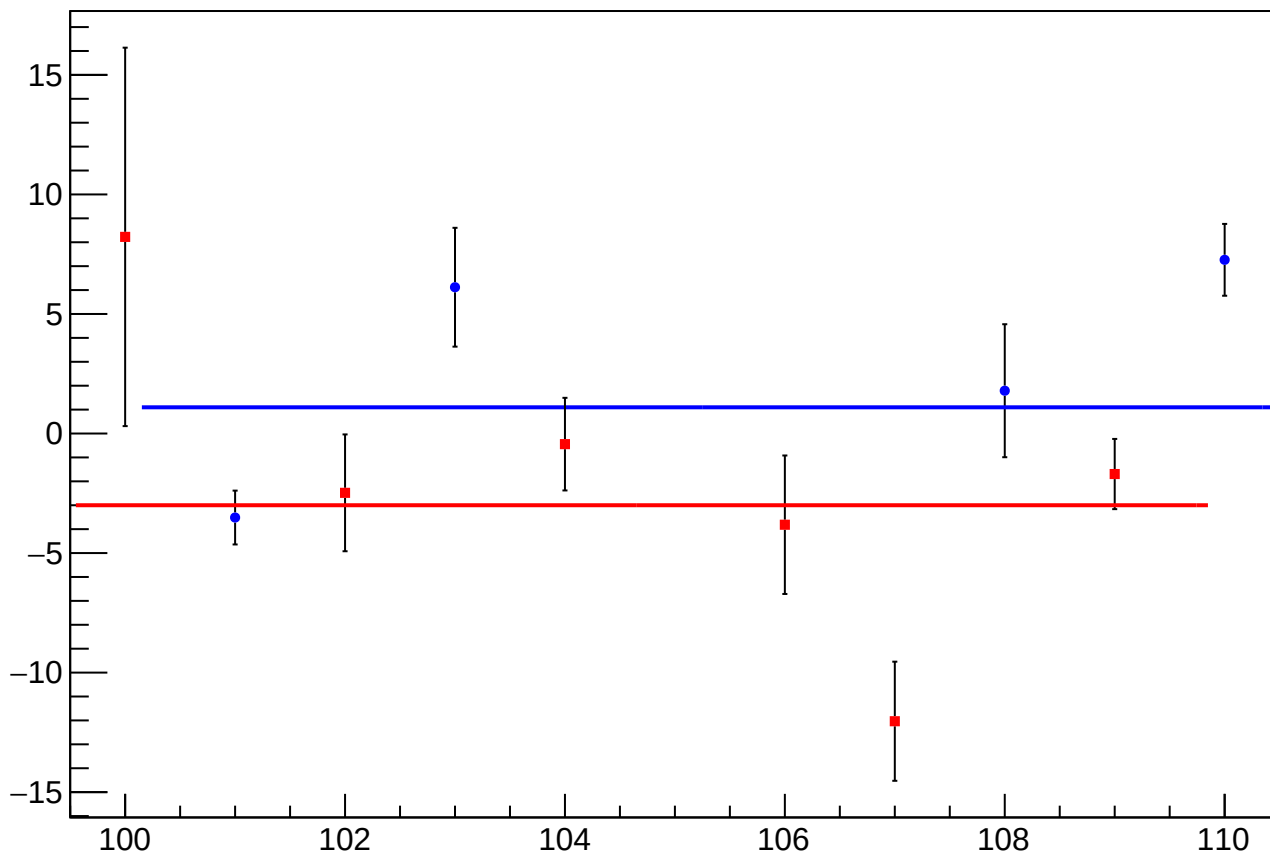
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-44.740 $\pm$ 1.162  $\chi^2$ /NDF: 144.2/3

0.526 $\pm$ 0.828  $\chi^2$ /NDF: 3353.0/9

47.210 $\pm$ 1.180  $\chi^2$ /NDF: 127.7/5

reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.096+/-0.810  $\chi^2/\text{NDF}$ : 37.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.000+/-0.915  $\chi^2/\text{NDF}$ : 17.8/5

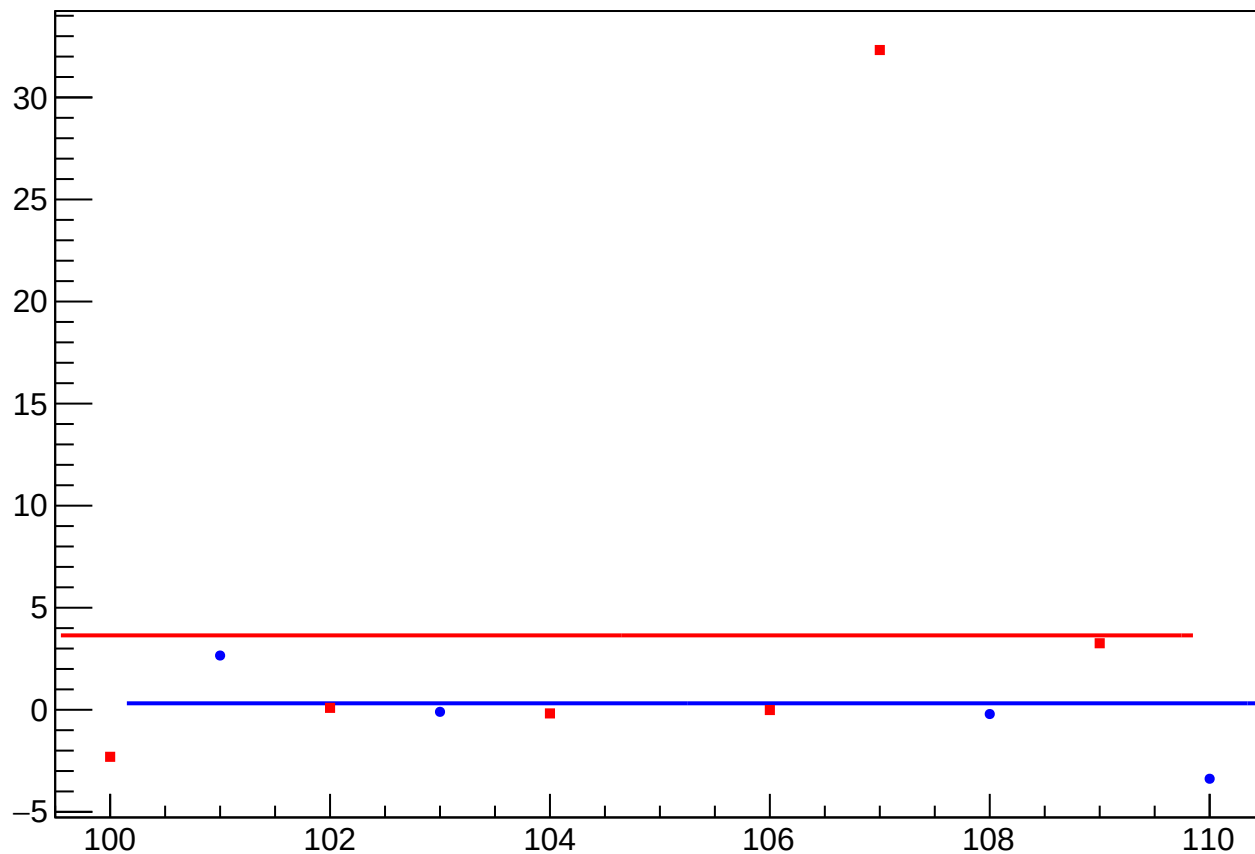
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.096+/-0.810  $\chi^2/\text{NDF}$ : 37.8/3

-0.704+/-0.607  $\chi^2/\text{NDF}$ : 66.8/9

-3.000+/-0.915  $\chi^2/\text{NDF}$ : 17.8/5

reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.317+/-0.037  $\chi^2/\text{NDF}$ : 2716.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.645+/-0.035  $\chi^2/\text{NDF}$ : 70143.1/5

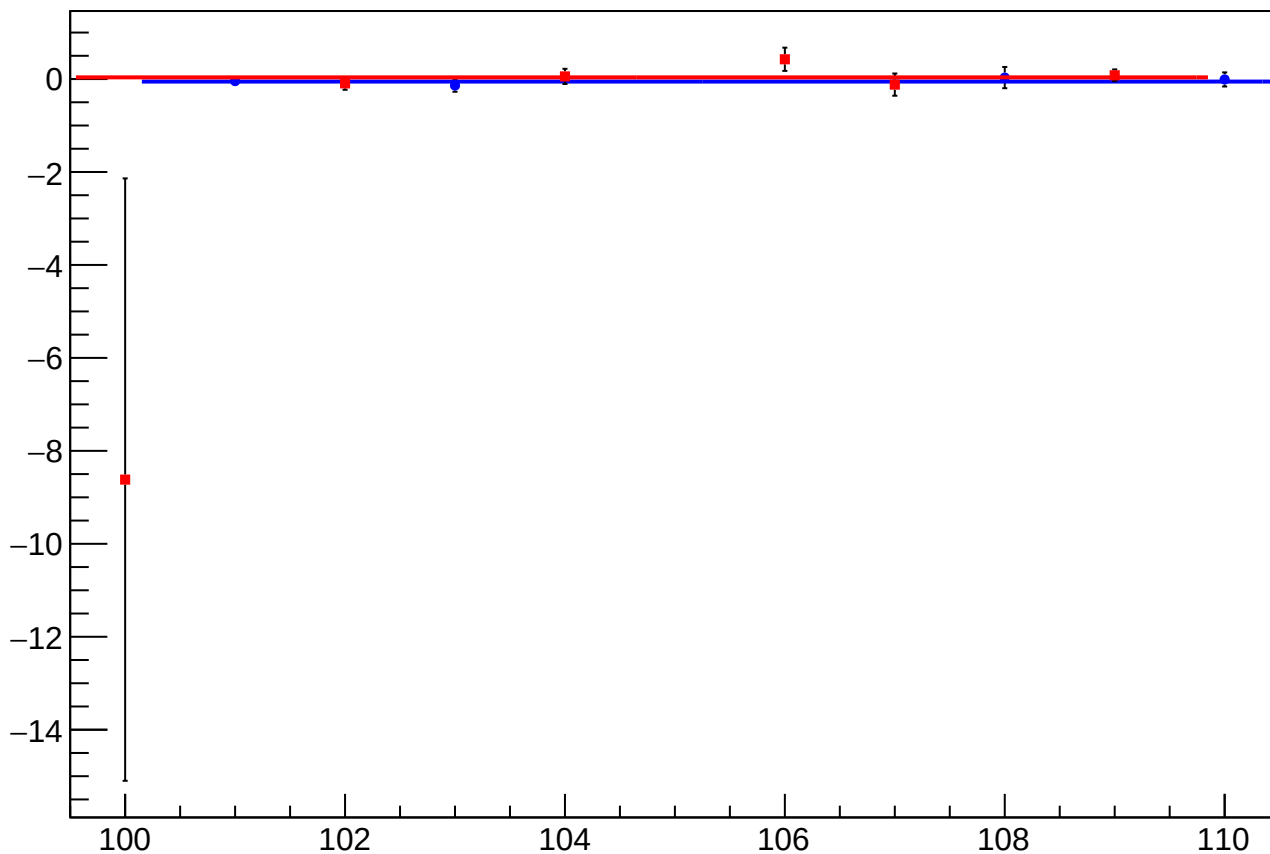
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.317+/-0.037  $\chi^2/\text{NDF}$ : 2716.8/3

2.051+/-0.026  $\chi^2/\text{NDF}$ : 77076.2/9

3.645+/-0.035  $\chi^2/\text{NDF}$ : 70143.1/5

reg\_asym\_ds\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.055+/-0.068  $\chi^2$ /NDF: 0.6/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.036+/-0.073  $\chi^2$ /NDF: 5.7/5

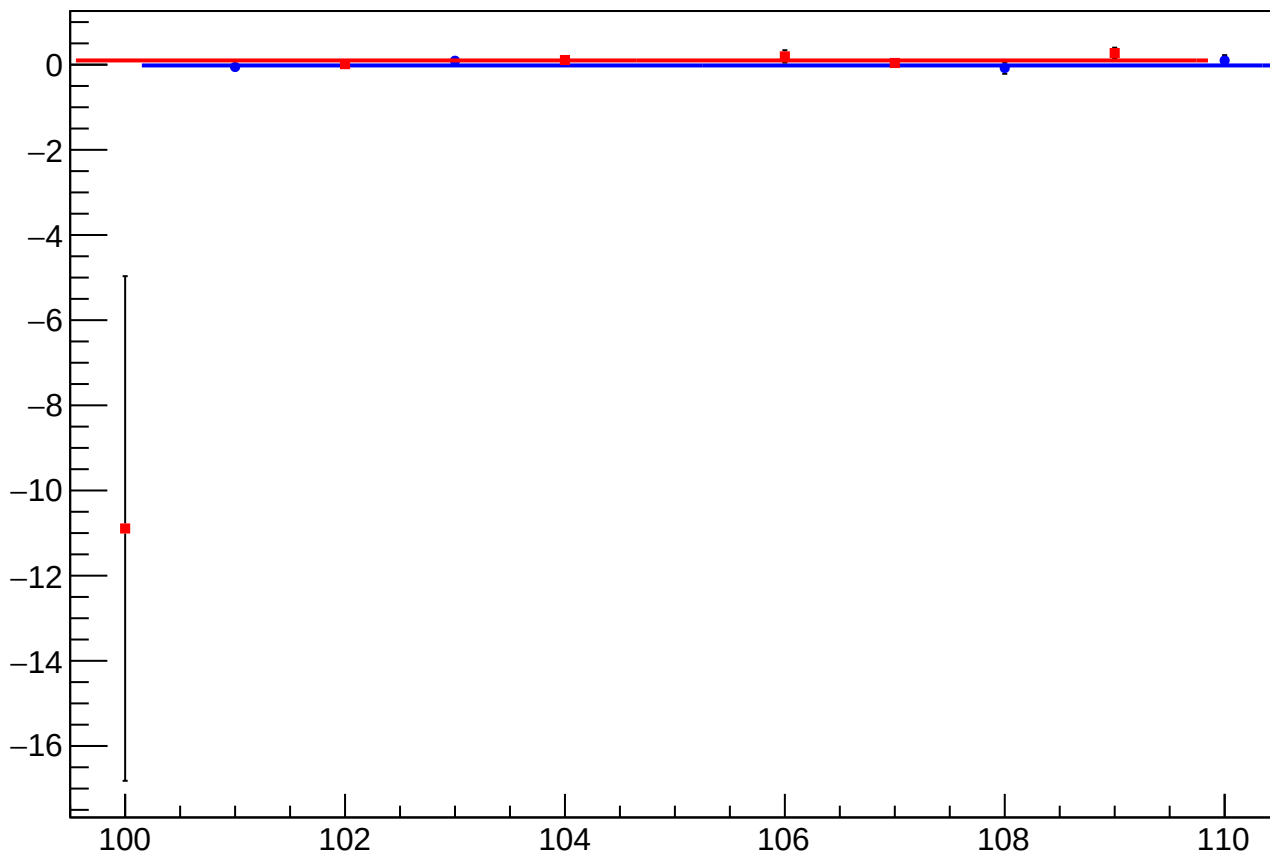
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-0.055+/-0.068  $\chi^2$ /NDF: 0.6/3

-0.013+/-0.050  $\chi^2$ /NDF: 7.1/9

0.036+/-0.073  $\chi^2$ /NDF: 5.7/5

reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.018+/-0.039  $\chi^2/\text{NDF}$ : 2.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.099+/-0.047  $\chi^2/\text{NDF}$ : 7.0/5

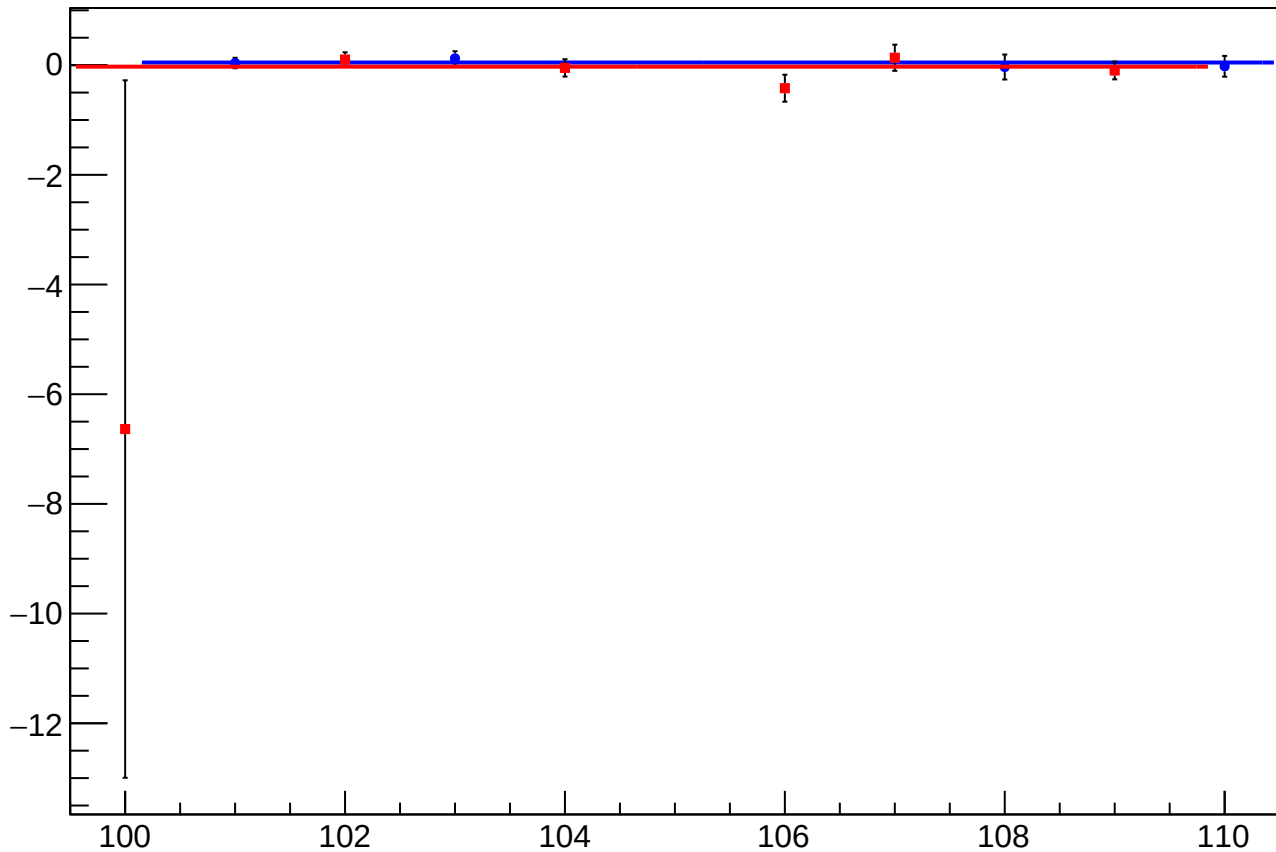
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.018+/-0.039  $\chi^2/\text{NDF}$ : 2.9/3

0.030+/-0.030  $\chi^2/\text{NDF}$ : 13.5/9

0.099+/-0.047  $\chi^2/\text{NDF}$ : 7.0/5

reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.048+/-0.068  $\chi^2/\text{NDF}$ : 0.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.027+/-0.077  $\chi^2/\text{NDF}$ : 5.3/5

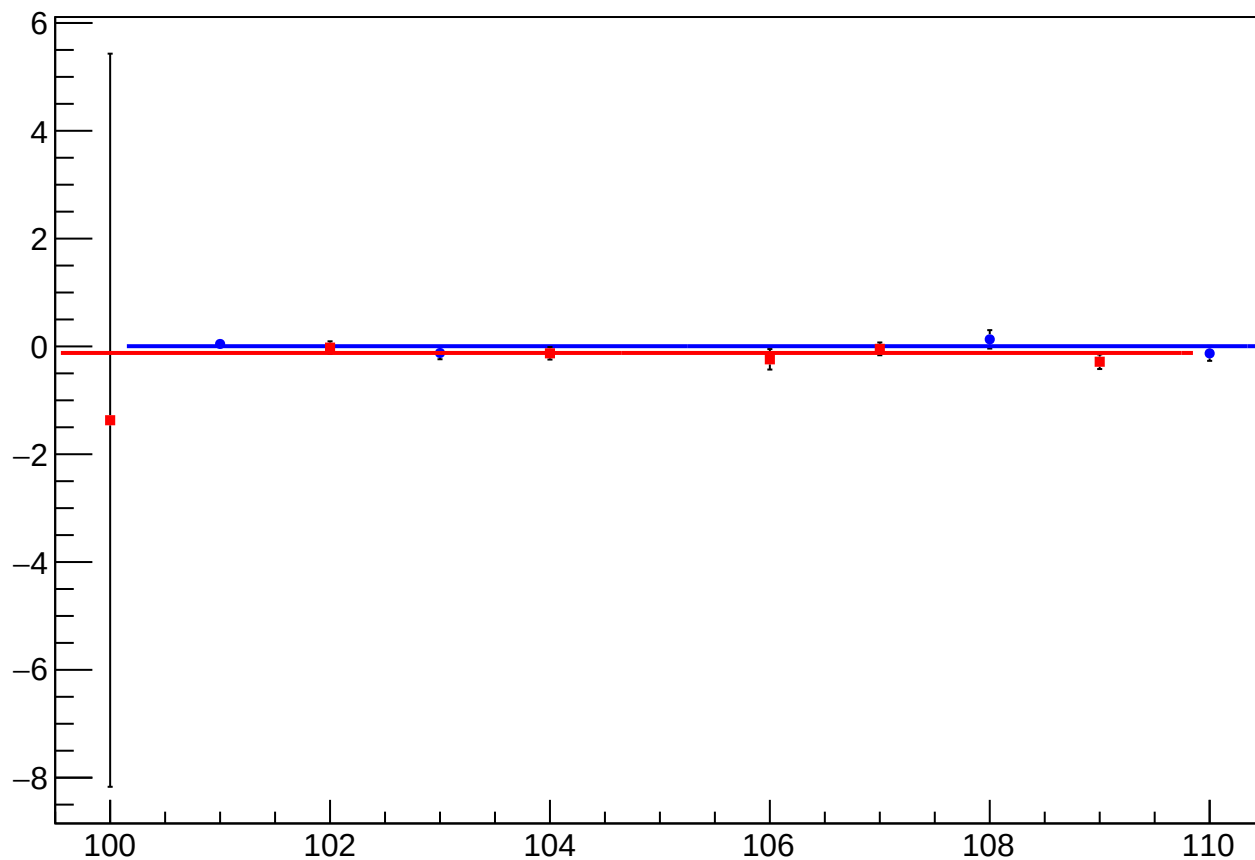
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.048+/-0.068  $\chi^2/\text{NDF}$ : 0.6/3

0.015+/-0.051  $\chi^2/\text{NDF}$ : 6.4/9

-0.027+/-0.077  $\chi^2/\text{NDF}$ : 5.3/5

reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.047  $\chi^2$ /NDF: 3.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.121 $\pm$ 0.058  $\chi^2$ /NDF: 3.0/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

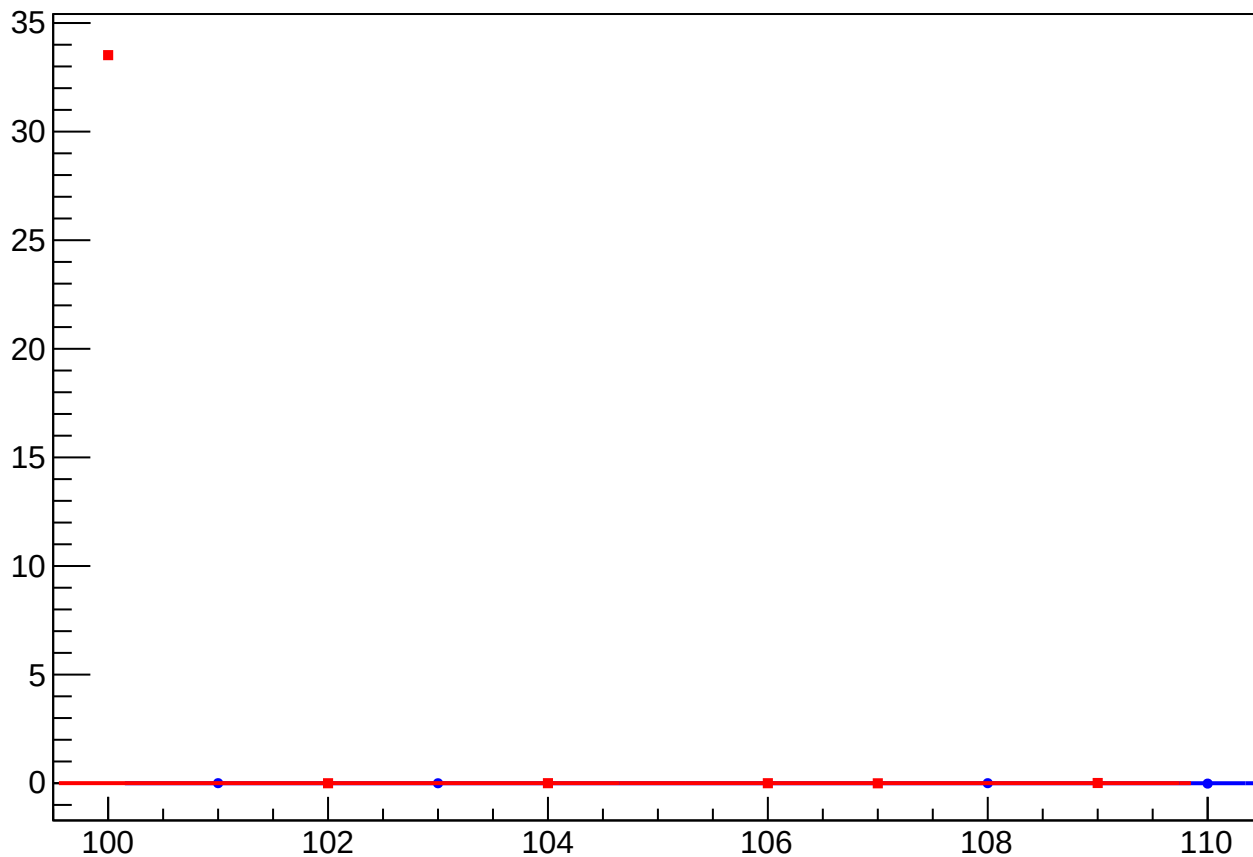
0.004 $\pm$ 0.047  $\chi^2$ /NDF: 3.1/3

-0.046 $\pm$ 0.037  $\chi^2$ /NDF: 9.0/9

-0.121 $\pm$ 0.058  $\chi^2$ /NDF: 3.0/5



reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.001 $\pm$ 0.002  $\chi^2$ /NDF: 4.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.003 $\pm$ 0.002  $\chi^2$ /NDF: 26494.9/5

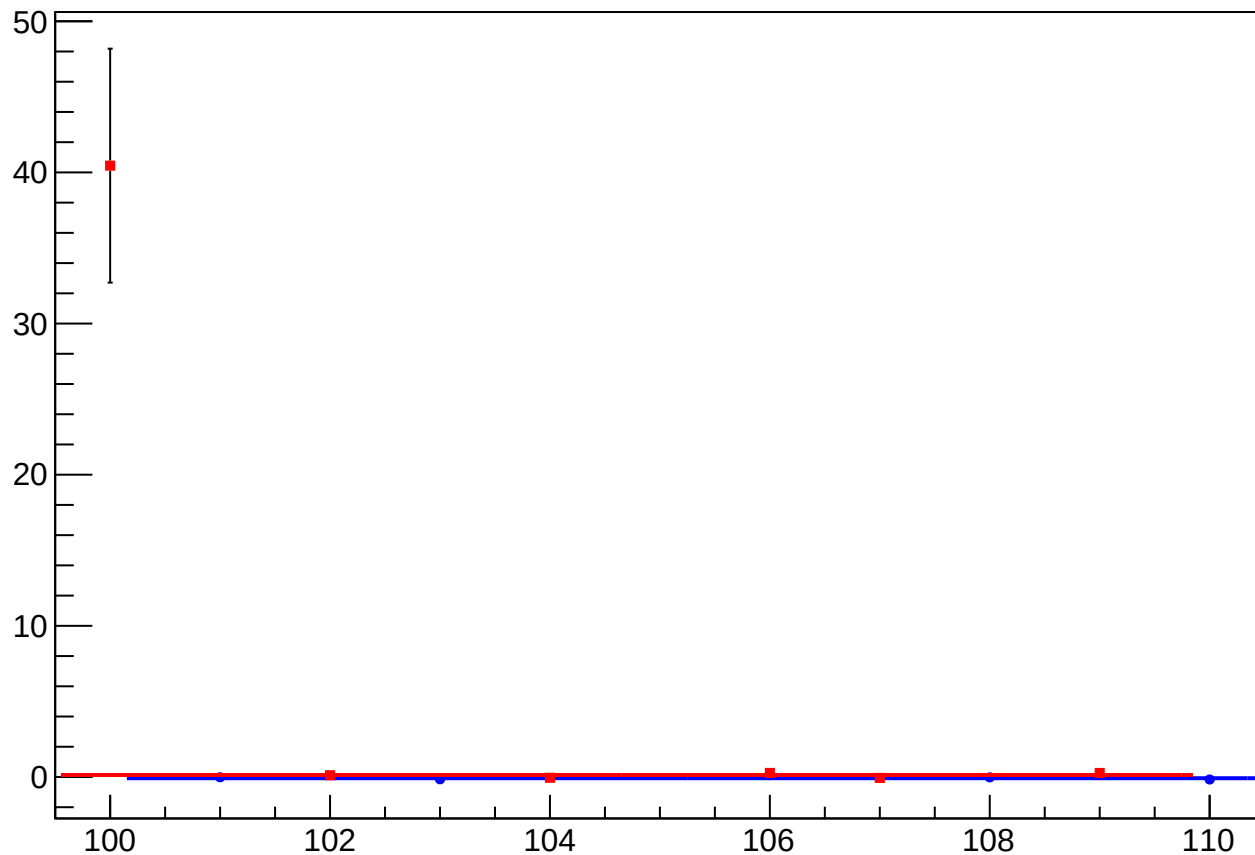
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

-0.001 $\pm$ 0.002  $\chi^2$ /NDF: 4.3/3

0.001 $\pm$ 0.001  $\chi^2$ /NDF: 26501.2/9

0.003 $\pm$ 0.002  $\chi^2$ /NDF: 26494.9/5

reg\_asym\_ds\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.083 \pm 0.067$   $\chi^2/\text{NDF}$ : 1.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.132 \pm 0.073$   $\chi^2/\text{NDF}$ : 30.5/5

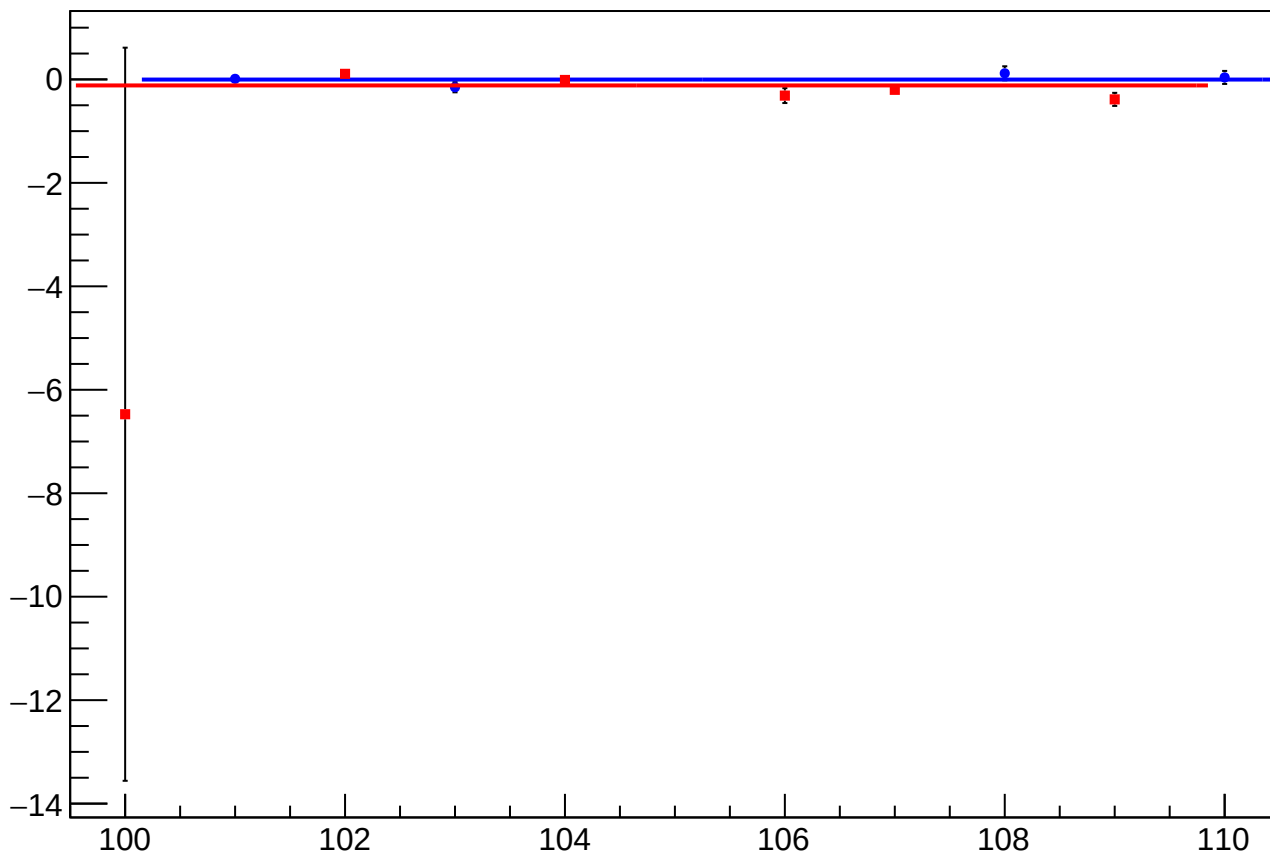
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.083 \pm 0.067$   $\chi^2/\text{NDF}$ : 1.0/3

$0.016 \pm 0.050$   $\chi^2/\text{NDF}$ : 36.2/9

$0.132 \pm 0.073$   $\chi^2/\text{NDF}$ : 30.5/5

reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.003 \pm 0.039$   $\chi^2/\text{NDF}$ : 3.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.116 \pm 0.047$   $\chi^2/\text{NDF}$ : 14.8/5

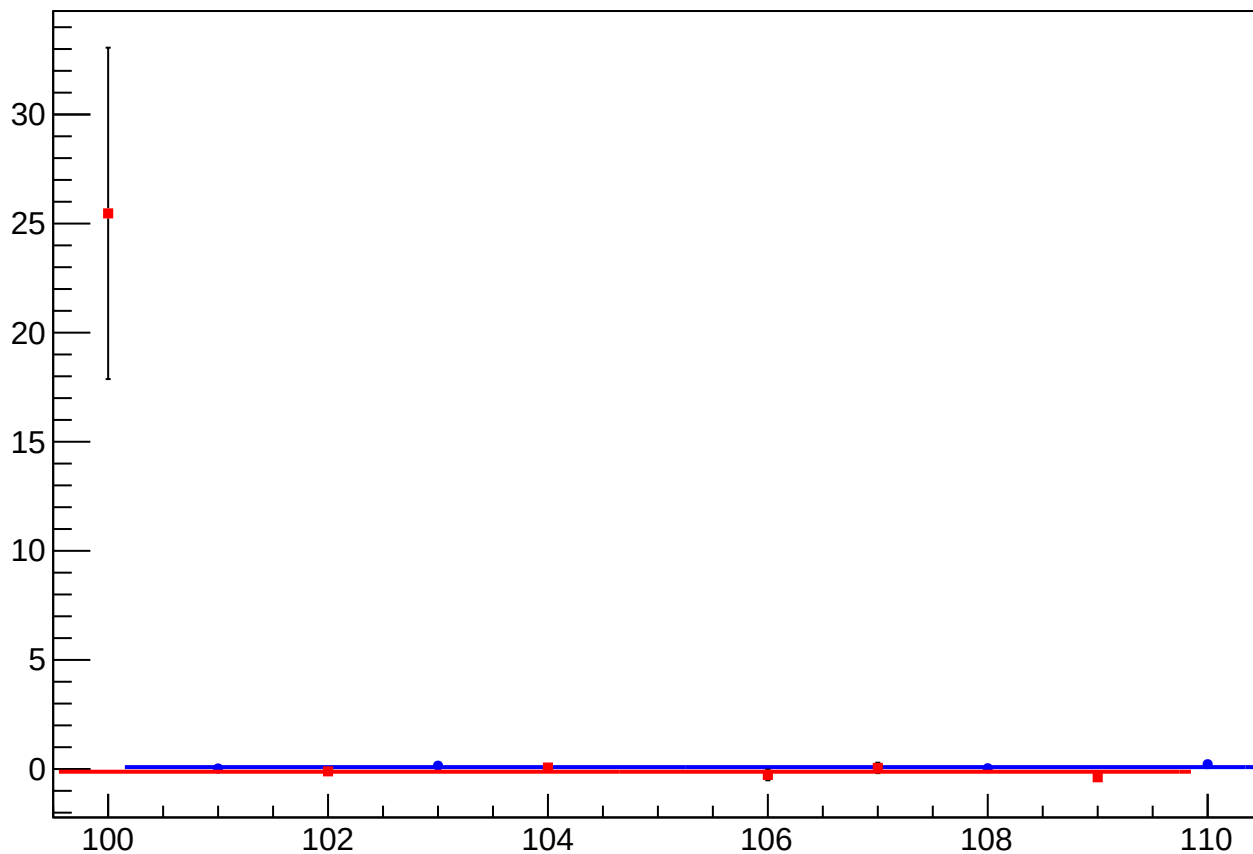
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.003 \pm 0.039$   $\chi^2/\text{NDF}$ : 3.3/3

$-0.049 \pm 0.030$   $\chi^2/\text{NDF}$ : 21.5/9

$-0.116 \pm 0.047$   $\chi^2/\text{NDF}$ : 14.8/5

reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.087 $\pm$ 0.068  $\chi^2$ /NDF: 1.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.123 $\pm$ 0.077  $\chi^2$ /NDF: 16.2/5

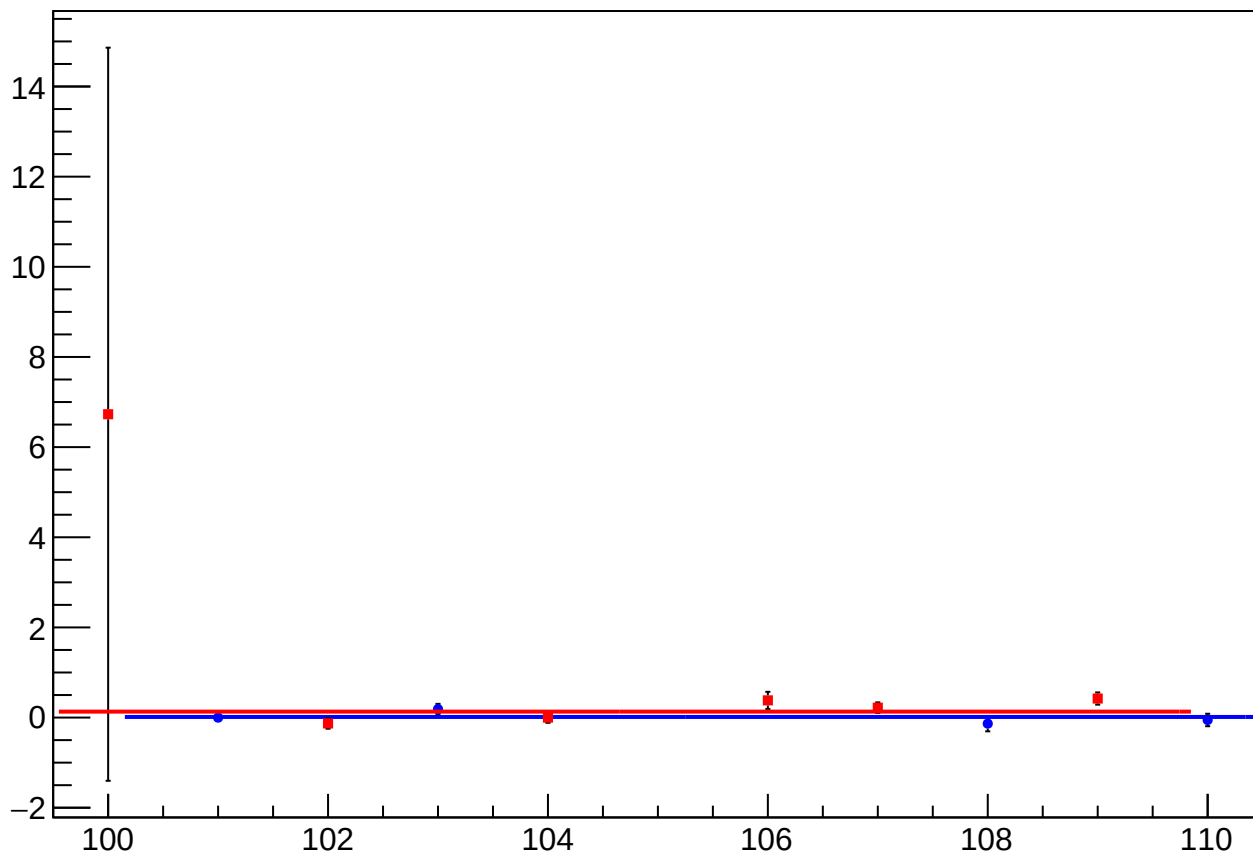
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

0.087 $\pm$ 0.068  $\chi^2$ /NDF: 1.2/3

-0.005 $\pm$ 0.051  $\chi^2$ /NDF: 21.6/9

-0.123 $\pm$ 0.077  $\chi^2$ /NDF: 16.2/5

reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.047  $\chi^2$ /NDF: 3.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.132 $\pm$ 0.058  $\chi^2$ /NDF: 13.8/5

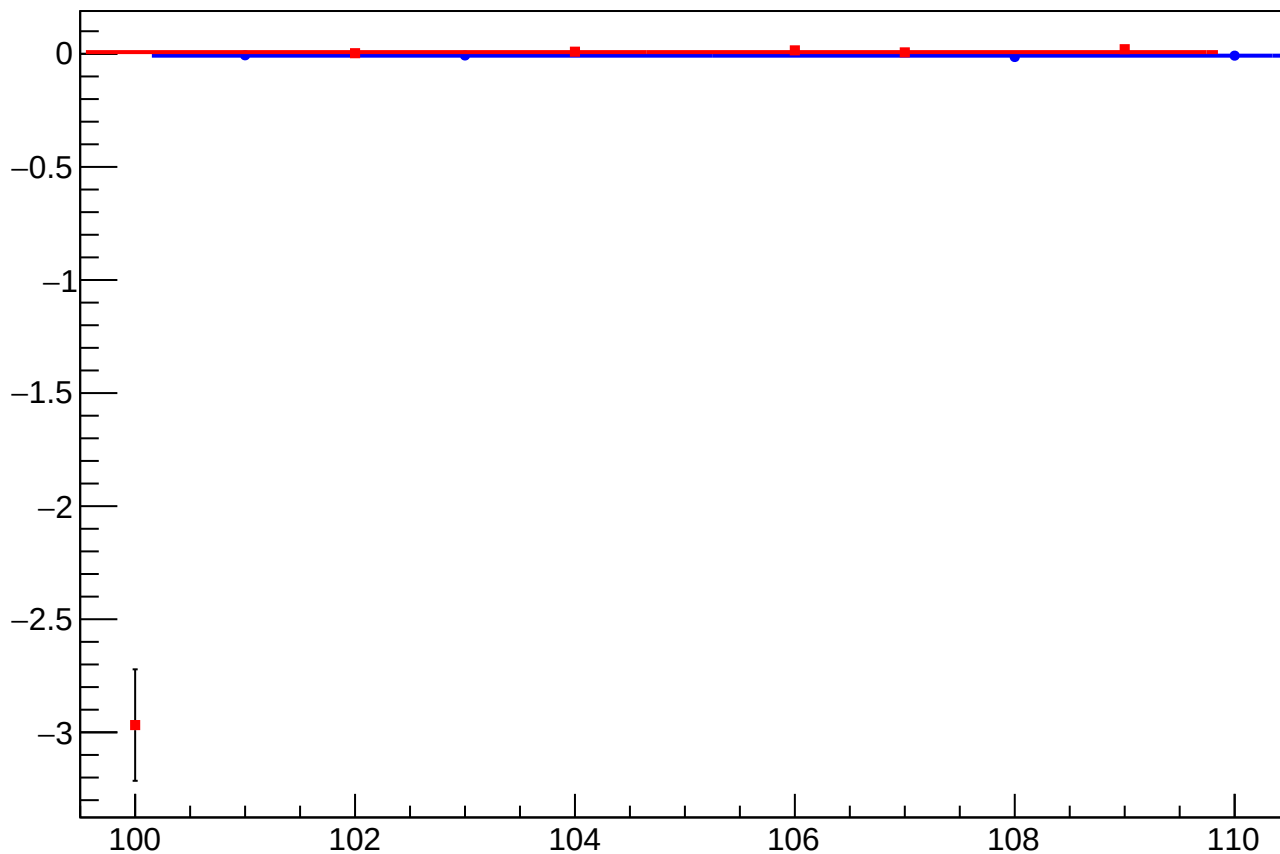
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.014 $\pm$ 0.047  $\chi^2$ /NDF: 3.3/3

0.061 $\pm$ 0.037  $\chi^2$ /NDF: 19.7/9

0.132 $\pm$ 0.058  $\chi^2$ /NDF: 13.8/5

reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.008 $\pm$ 0.002  $\chi^2$ /NDF: 1.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.008 $\pm$ 0.002  $\chi^2$ /NDF: 153.6/5

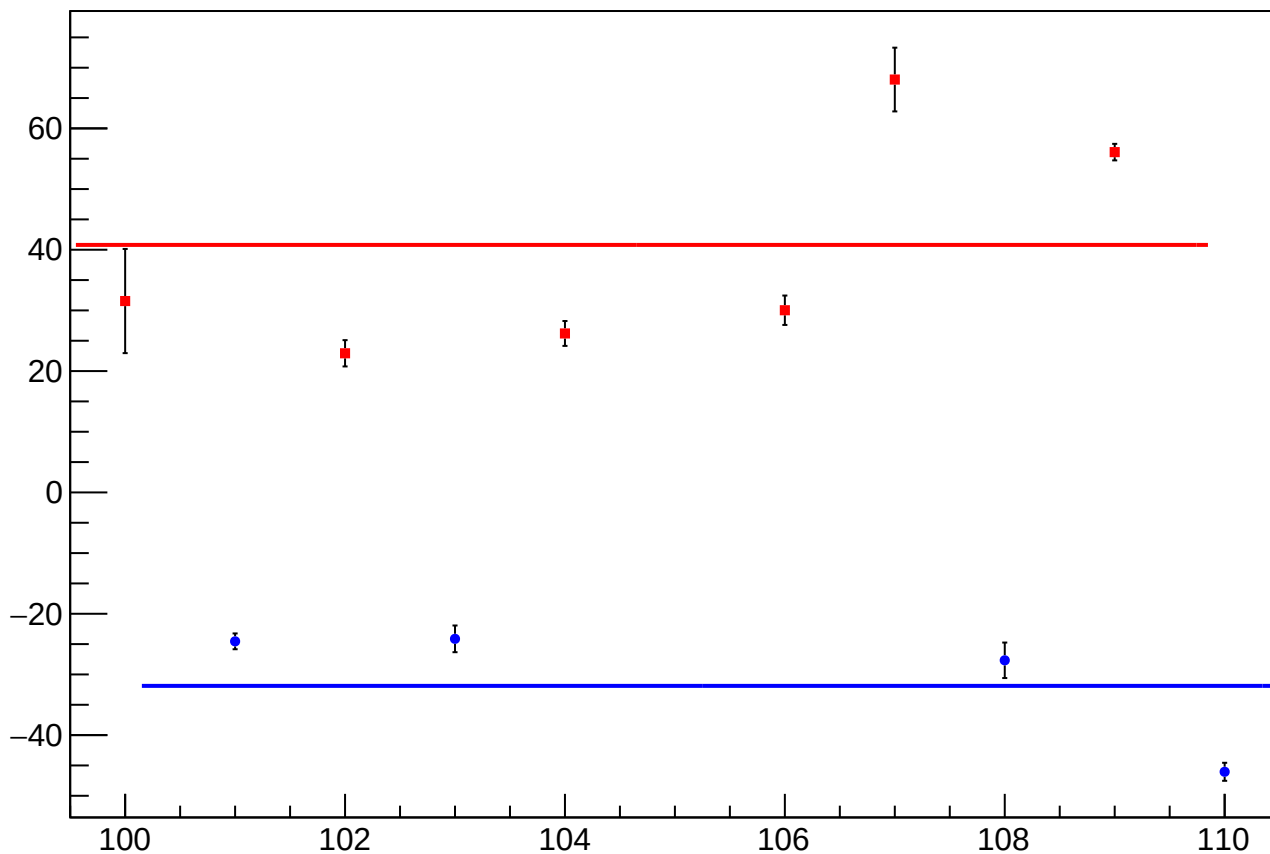
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.008 $\pm$ 0.002  $\chi^2$ /NDF: 1.6/3

-0.000 $\pm$ 0.001  $\chi^2$ /NDF: 186.2/9

0.008 $\pm$ 0.002  $\chi^2$ /NDF: 153.6/5

reg\_asym\_left\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-31.884 \pm 0.855$   $\chi^2/\text{NDF}: 137.3/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $40.795 \pm 0.909$   $\chi^2/\text{NDF}: 292.5/5$

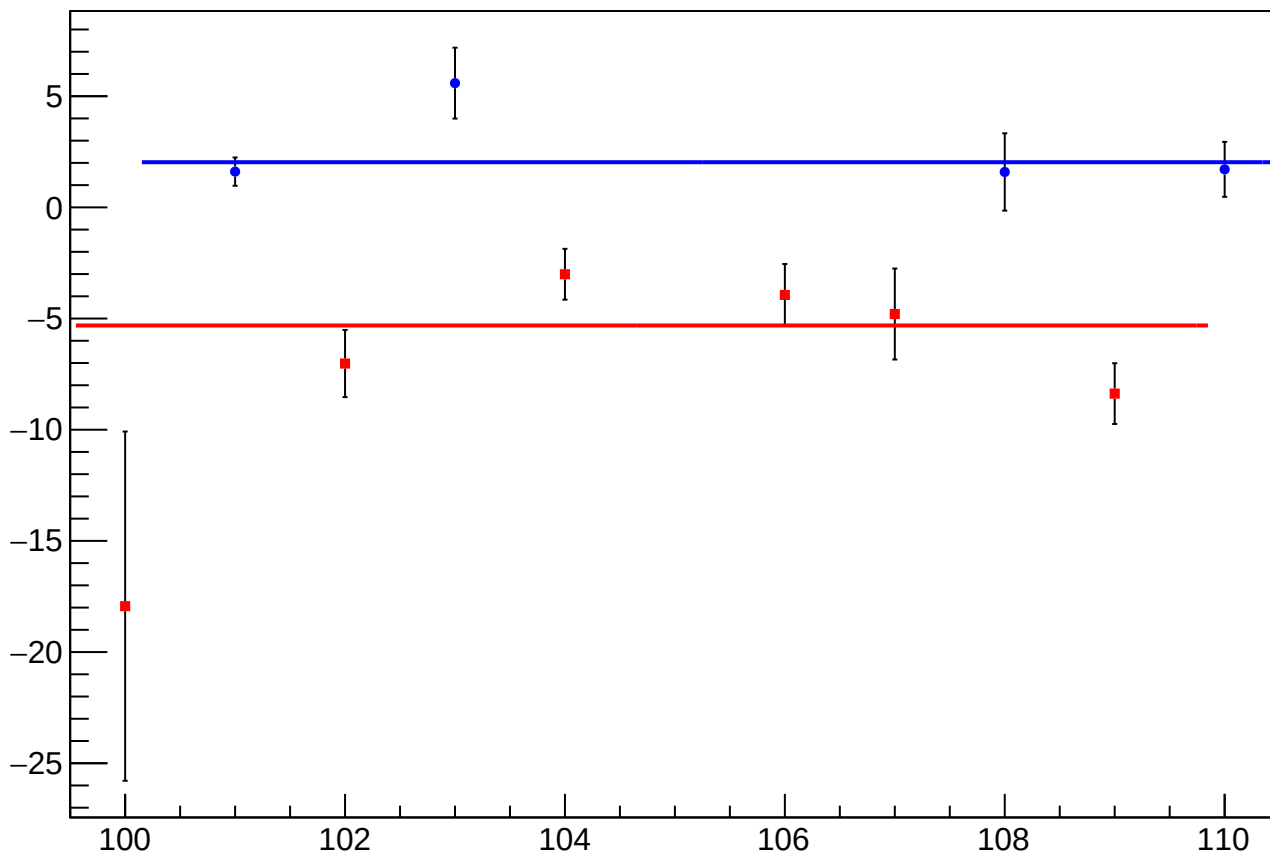
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-31.884 \pm 0.855$   $\chi^2/\text{NDF}: 137.3/3$

$2.232 \pm 0.623$   $\chi^2/\text{NDF}: 3820.8/9$

$40.795 \pm 0.909$   $\chi^2/\text{NDF}: 292.5/5$

reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.031+/-0.510  $\chi^2/\text{NDF}$ : 5.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.312+/-0.631  $\chi^2/\text{NDF}$ : 14.0/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

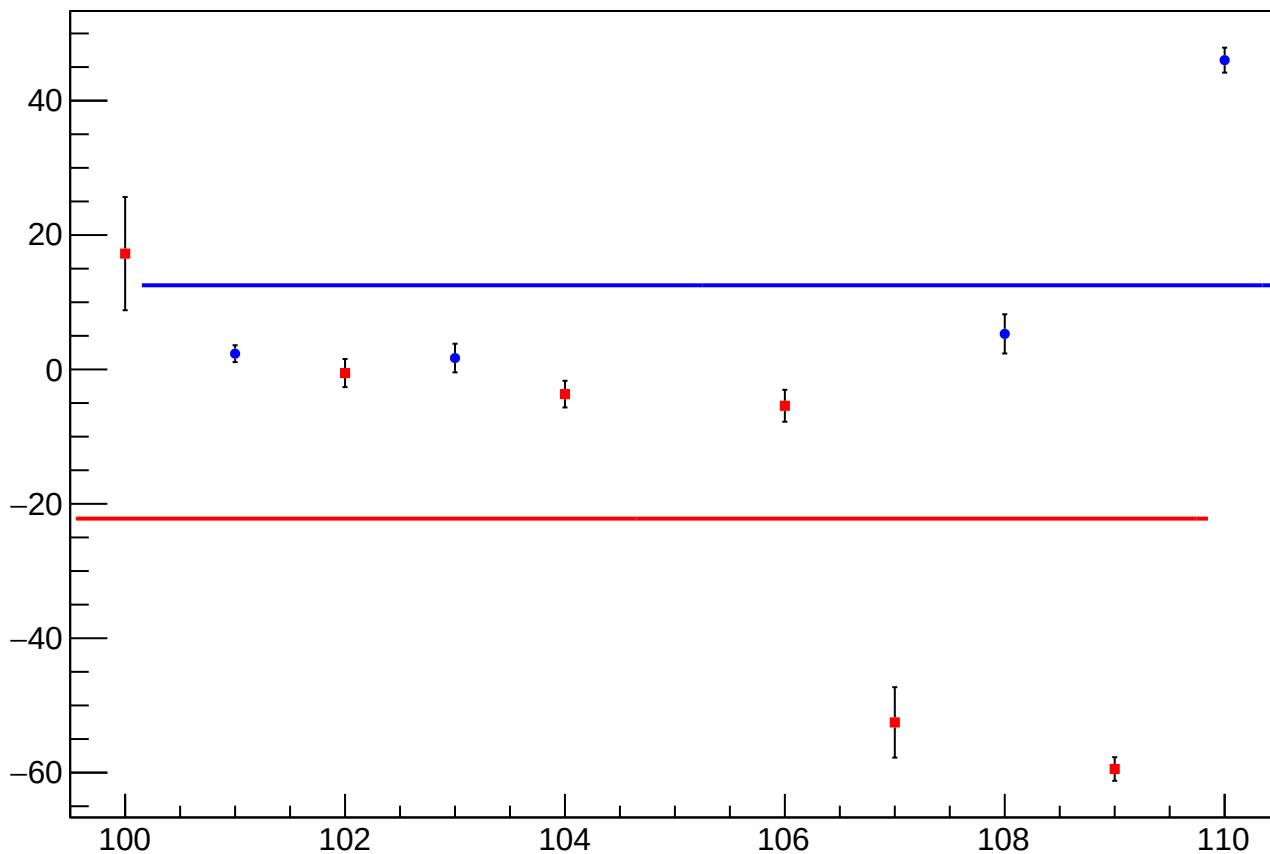
2.031+/-0.510  $\chi^2/\text{NDF}$ : 5.6/3

-0.870+/-0.396  $\chi^2/\text{NDF}$ : 101.5/9

-5.312+/-0.631  $\chi^2/\text{NDF}$ : 14.0/5



reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 12.523+/-0.889  $\chi^2/\text{NDF}$ : 423.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -22.197+/-0.984  $\chi^2/\text{NDF}$ : 749.3/5

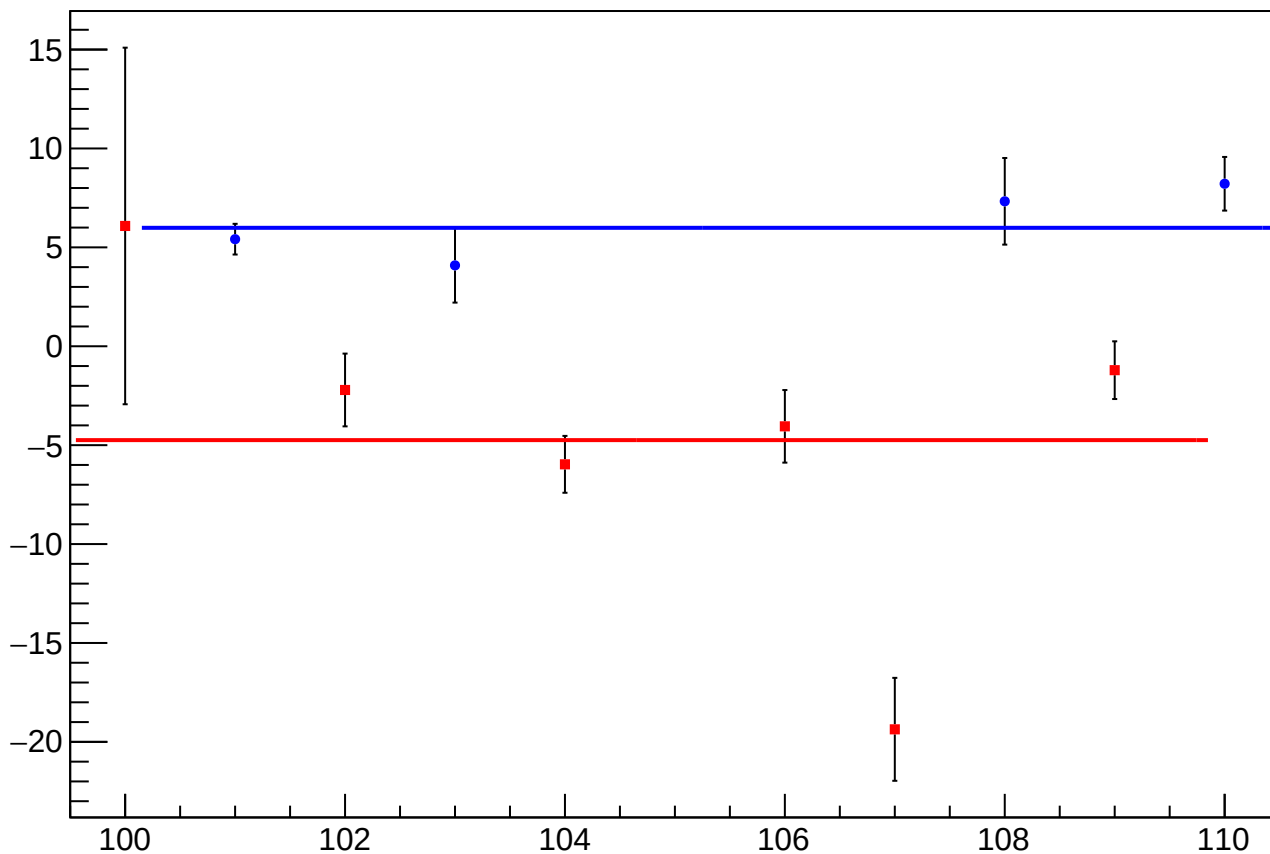
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

12.523+/-0.889  $\chi^2/\text{NDF}$ : 423.3/3

-3.094+/-0.660  $\chi^2/\text{NDF}$ : 1858.1/9

-22.197+/-0.984  $\chi^2/\text{NDF}$ : 749.3/5

reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.988+/-0.609  $\chi^2/\text{NDF}$ : 4.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.745+/-0.765  $\chi^2/\text{NDF}$ : 41.7/5

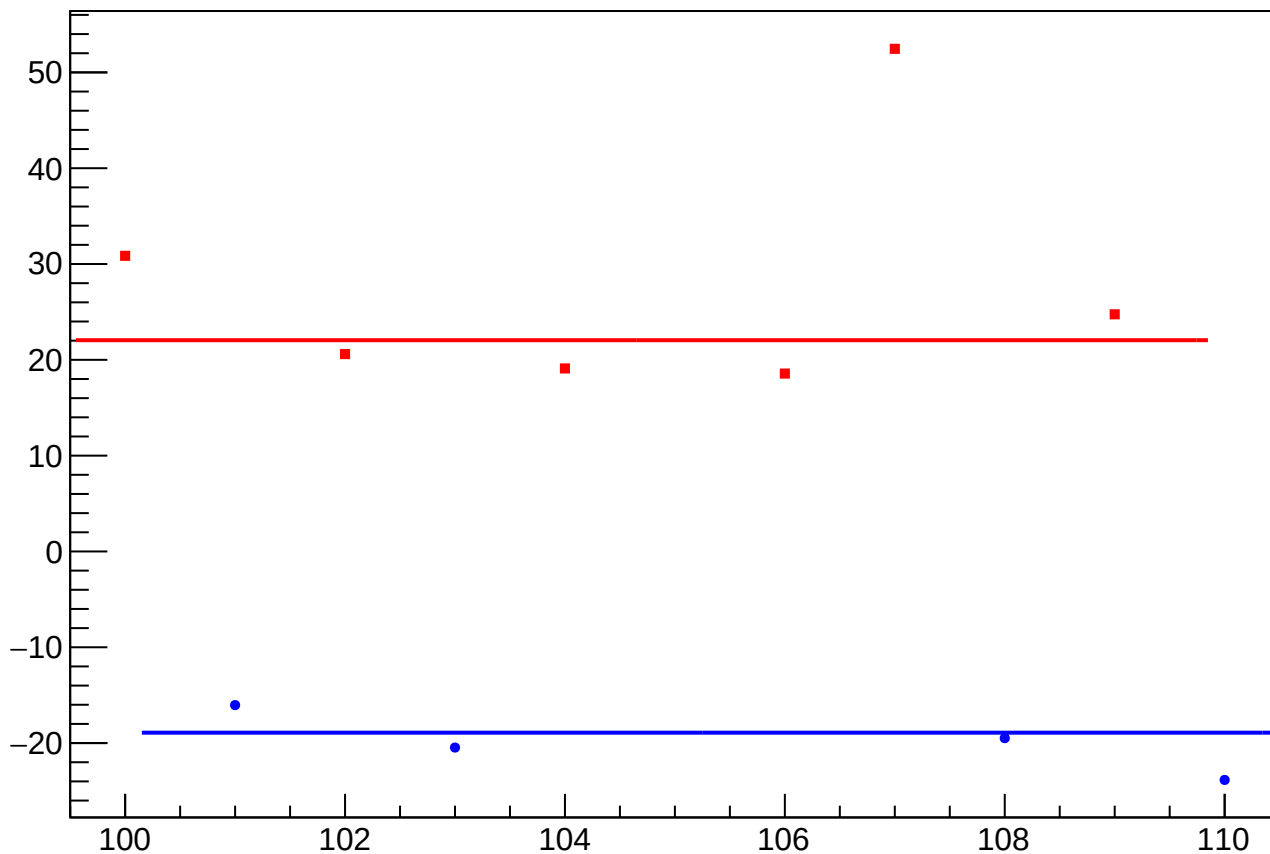
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.988+/-0.609  $\chi^2/\text{NDF}$ : 4.6/3

1.826+/-0.477  $\chi^2/\text{NDF}$ : 166.7/9

-4.745+/-0.765  $\chi^2/\text{NDF}$ : 41.7/5

reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-18.915 \pm 0.028$   $\chi^2/\text{NDF}: 8170.7/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $22.049 \pm 0.028$   $\chi^2/\text{NDF}: 73400.7/5$

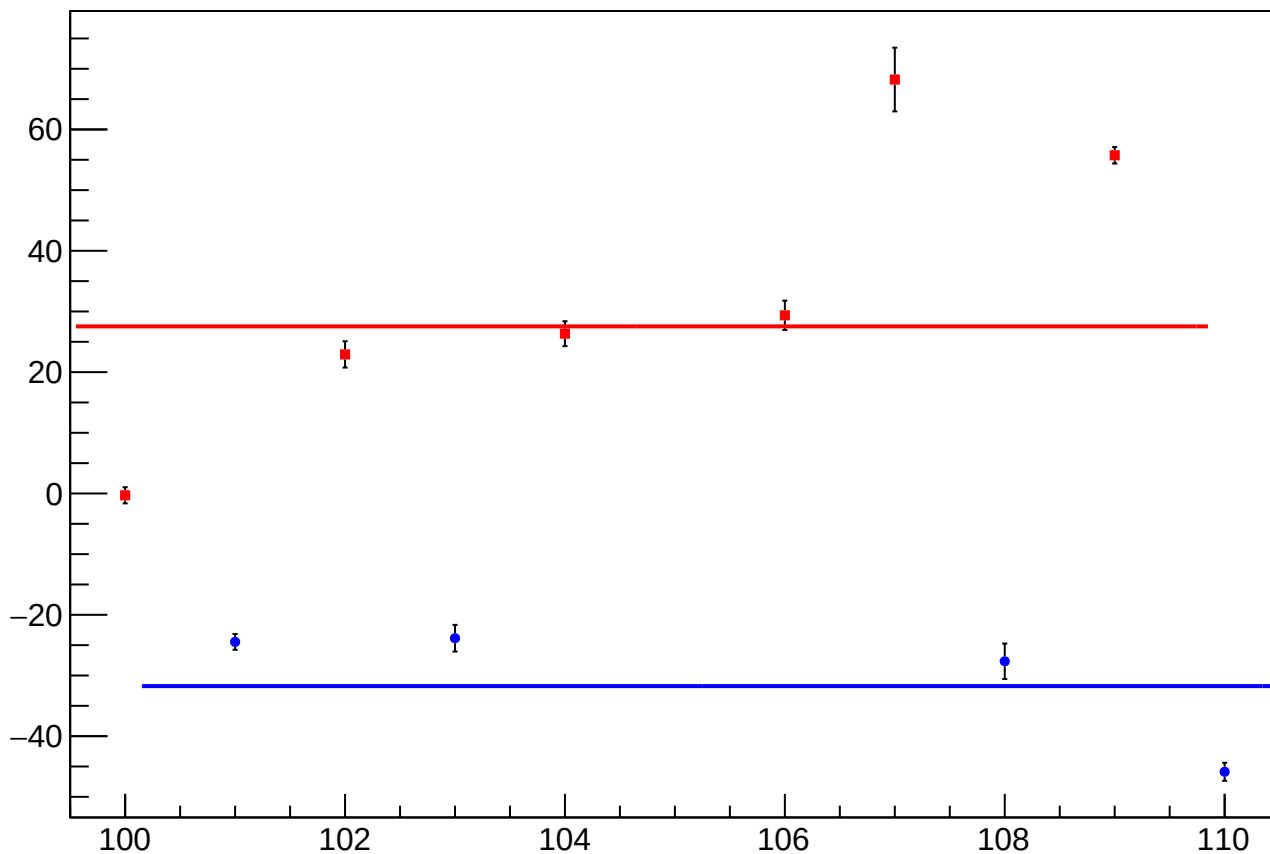
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-18.915 \pm 0.028$   $\chi^2/\text{NDF}: 8170.7/3$

$1.858 \pm 0.020$   $\chi^2/\text{NDF}: 1169901.6/9$

$22.049 \pm 0.028$   $\chi^2/\text{NDF}: 73400.7/5$

reg\_asym\_left\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -31.751 $\pm$ 0.855  $\chi^2$ /NDF: 136.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 27.543 $\pm$ 0.753  $\chi^2$ /NDF: 933.2/5

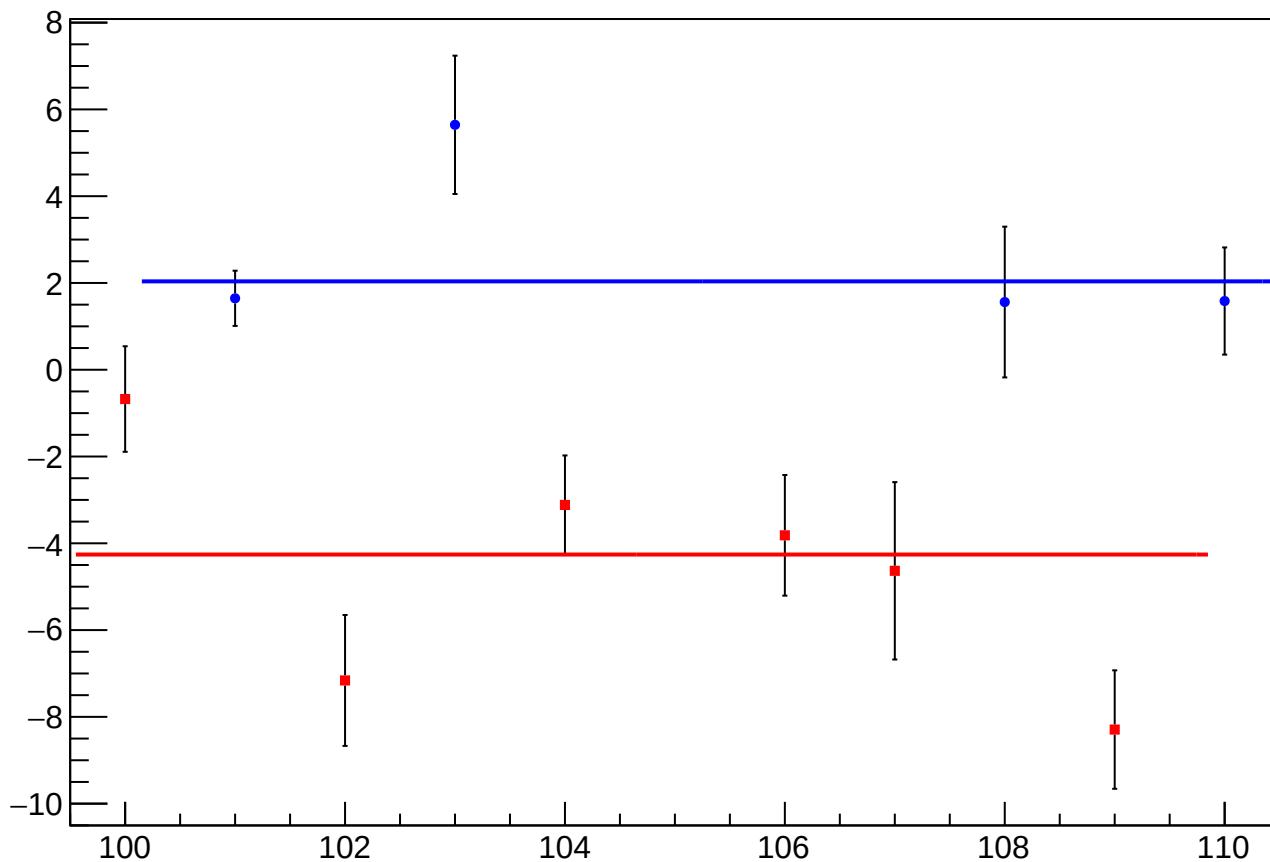
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-31.751 $\pm$ 0.855  $\chi^2$ /NDF: 136.8/3

1.625 $\pm$ 0.565  $\chi^2$ /NDF: 3779.5/9

27.543 $\pm$ 0.753  $\chi^2$ /NDF: 933.2/5

reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $2.037 \pm 0.510$   $\chi^2/\text{NDF}: 5.7/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-4.259 \pm 0.561$   $\chi^2/\text{NDF}: 22.2/5$

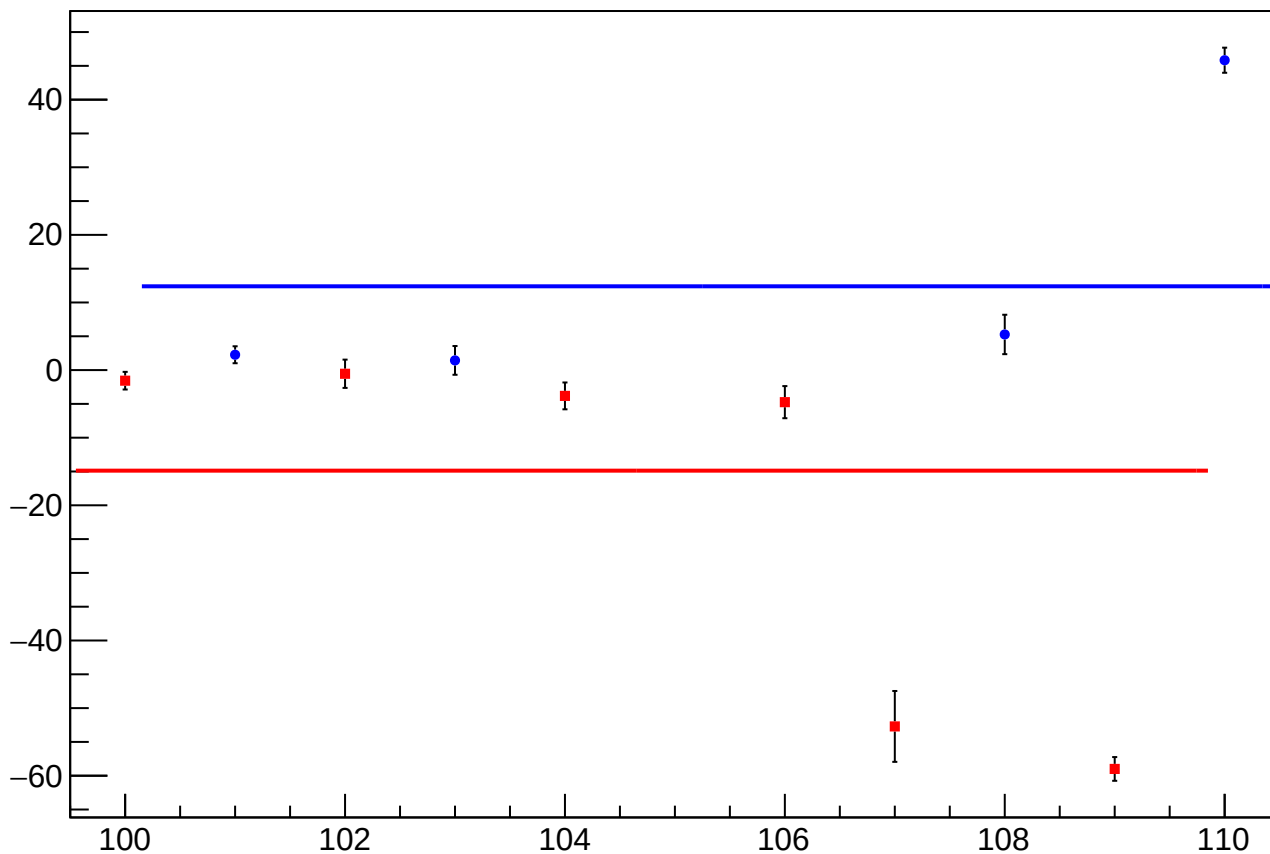
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$2.037 \pm 0.510$   $\chi^2/\text{NDF}: 5.7/3$

$-0.808 \pm 0.377$   $\chi^2/\text{NDF}: 97.0/9$

$-4.259 \pm 0.561$   $\chi^2/\text{NDF}: 22.2/5$

reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 12.392+/-0.889  $\chi^2/\text{NDF}$ : 422.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -14.876+/-0.789  $\chi^2/\text{NDF}$ : 883.9/5

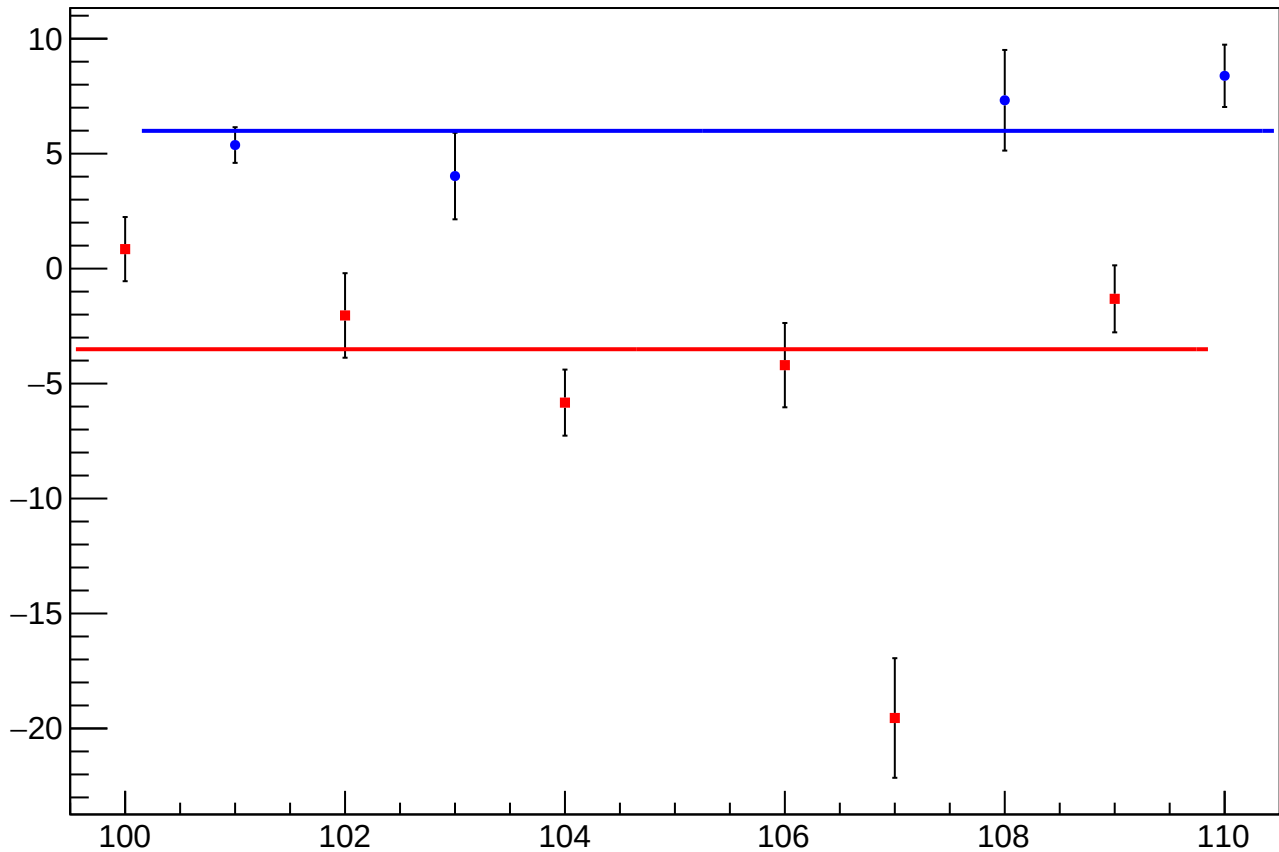
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

12.392+/-0.889  $\chi^2/\text{NDF}$ : 422.4/3

-2.865+/-0.590  $\chi^2/\text{NDF}$ : 1832.8/9

-14.876+/-0.789  $\chi^2/\text{NDF}$ : 883.9/5

reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.992 $\pm$ 0.609  $\chi^2$ /NDF: 5.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -3.506 $\pm$ 0.673  $\chi^2$ /NDF: 53.4/5

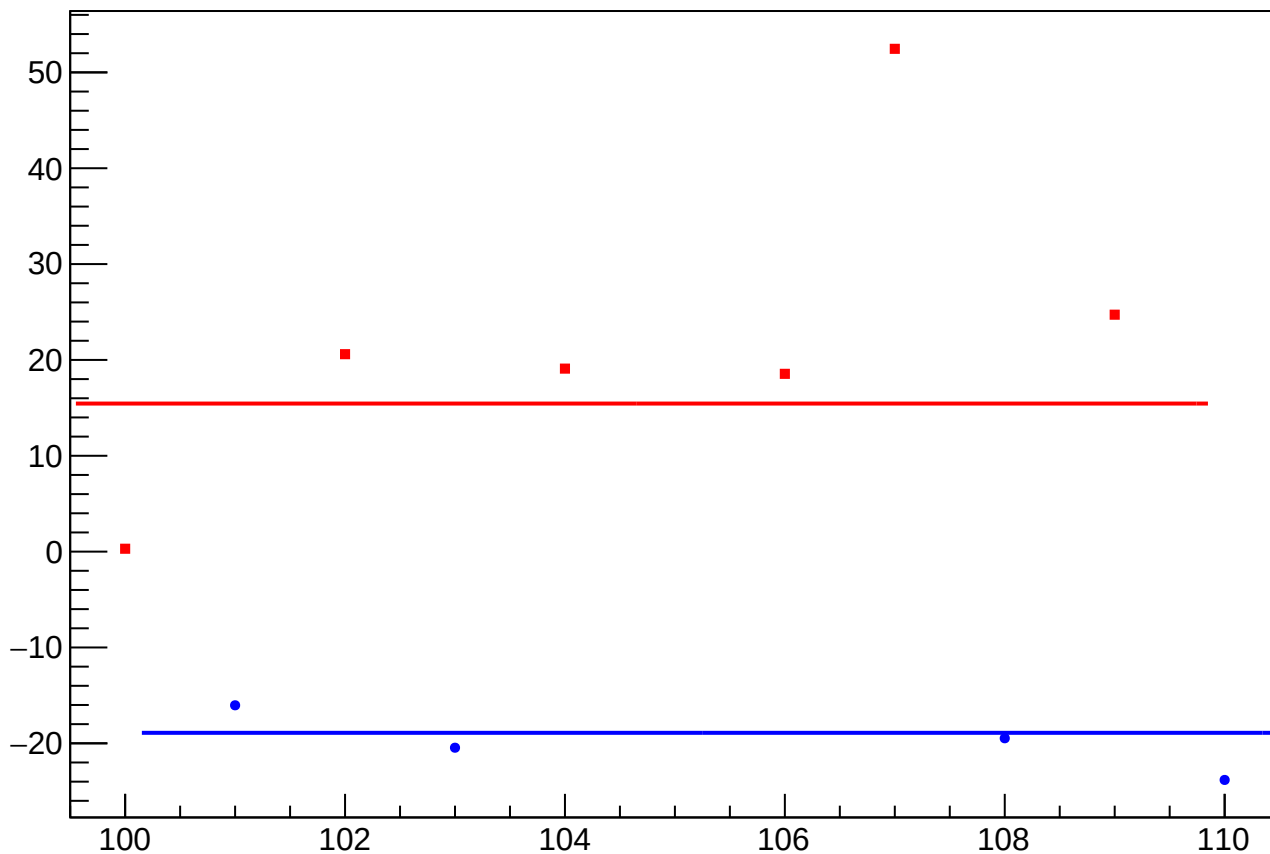
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

5.992 $\pm$ 0.609  $\chi^2$ /NDF: 5.2/3

1.714 $\pm$ 0.451  $\chi^2$ /NDF: 168.2/9

-3.506 $\pm$ 0.673  $\chi^2$ /NDF: 53.4/5

reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -18.905+/-0.028  $\chi^2/\text{NDF}$ : 8146.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 15.448+/-0.023  $\chi^2/\text{NDF}$ : 255853.7/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

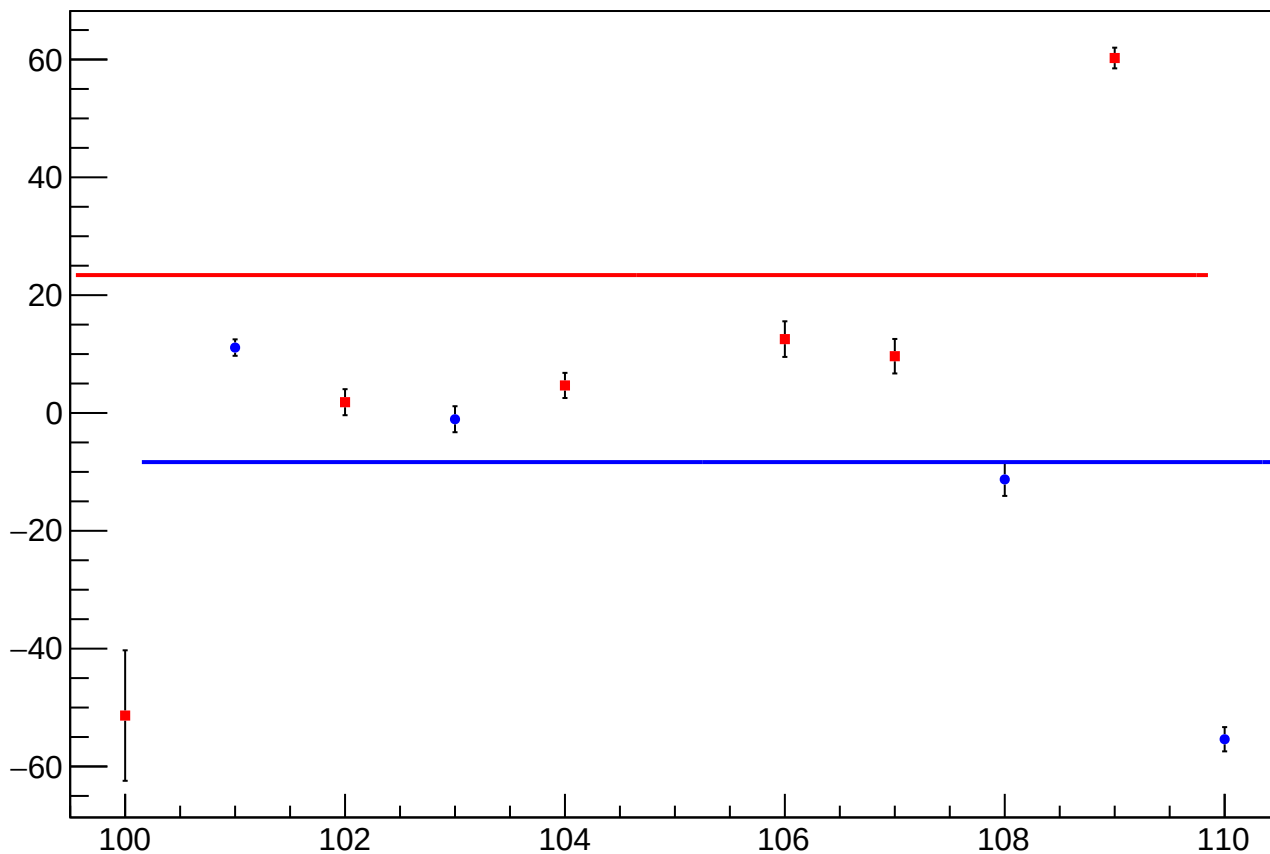
-18.905+/-0.028  $\chi^2/\text{NDF}$ : 8146.8/3

1.457+/-0.018  $\chi^2/\text{NDF}$ : 1159555.4/9

15.448+/-0.023  $\chi^2/\text{NDF}$ : 255853.7/5



reg\_asym\_right\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -8.336+/-0.961  $\chi^2/\text{NDF}$ : 728.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 23.406+/-1.009  $\chi^2/\text{NDF}$ : 693.0/5

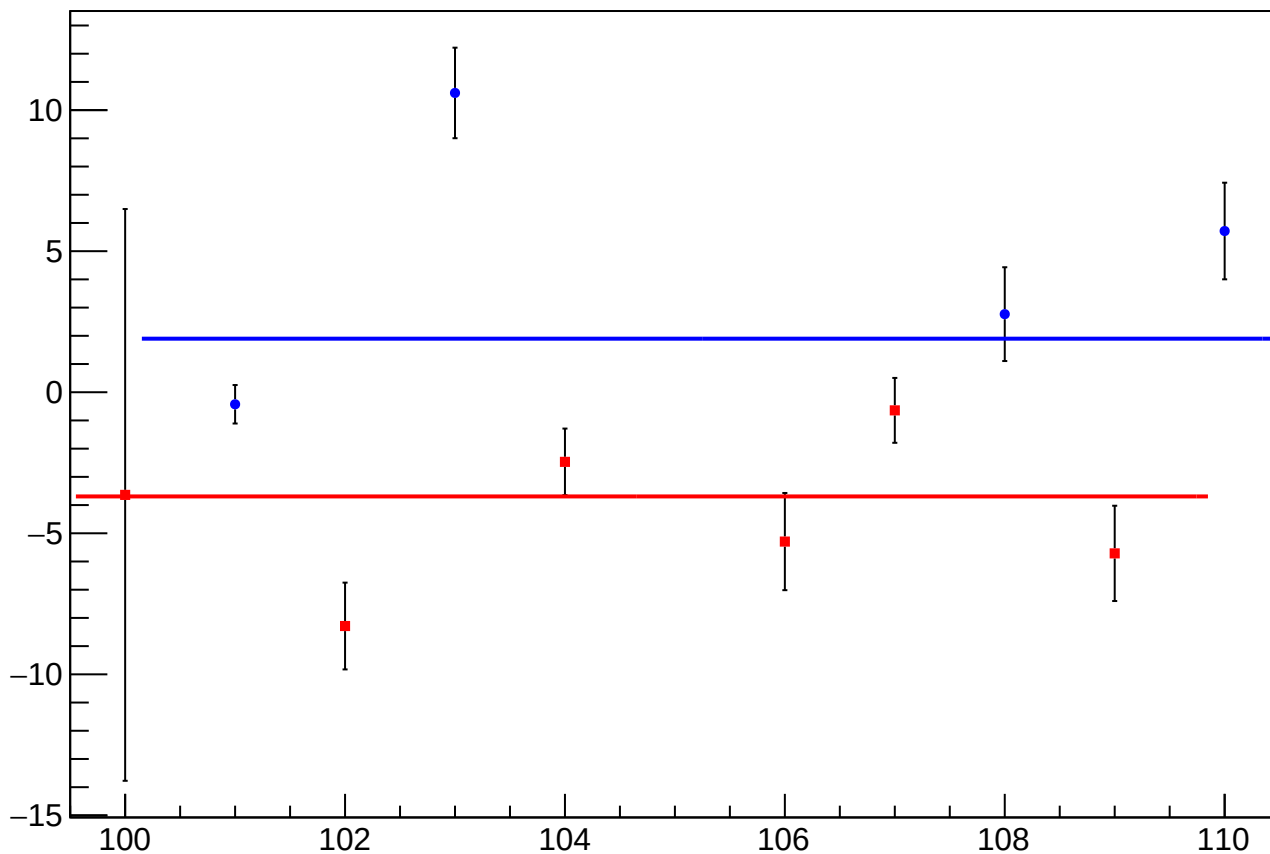
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-8.336+/-0.961  $\chi^2/\text{NDF}$ : 728.5/3

6.769+/-0.696  $\chi^2/\text{NDF}$ : 1940.5/9

23.406+/-1.009  $\chi^2/\text{NDF}$ : 693.0/5

reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $1.898 \pm 0.555$   $\chi^2/\text{NDF}$ : 46.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.693 \pm 0.621$   $\chi^2/\text{NDF}$ : 19.3/5

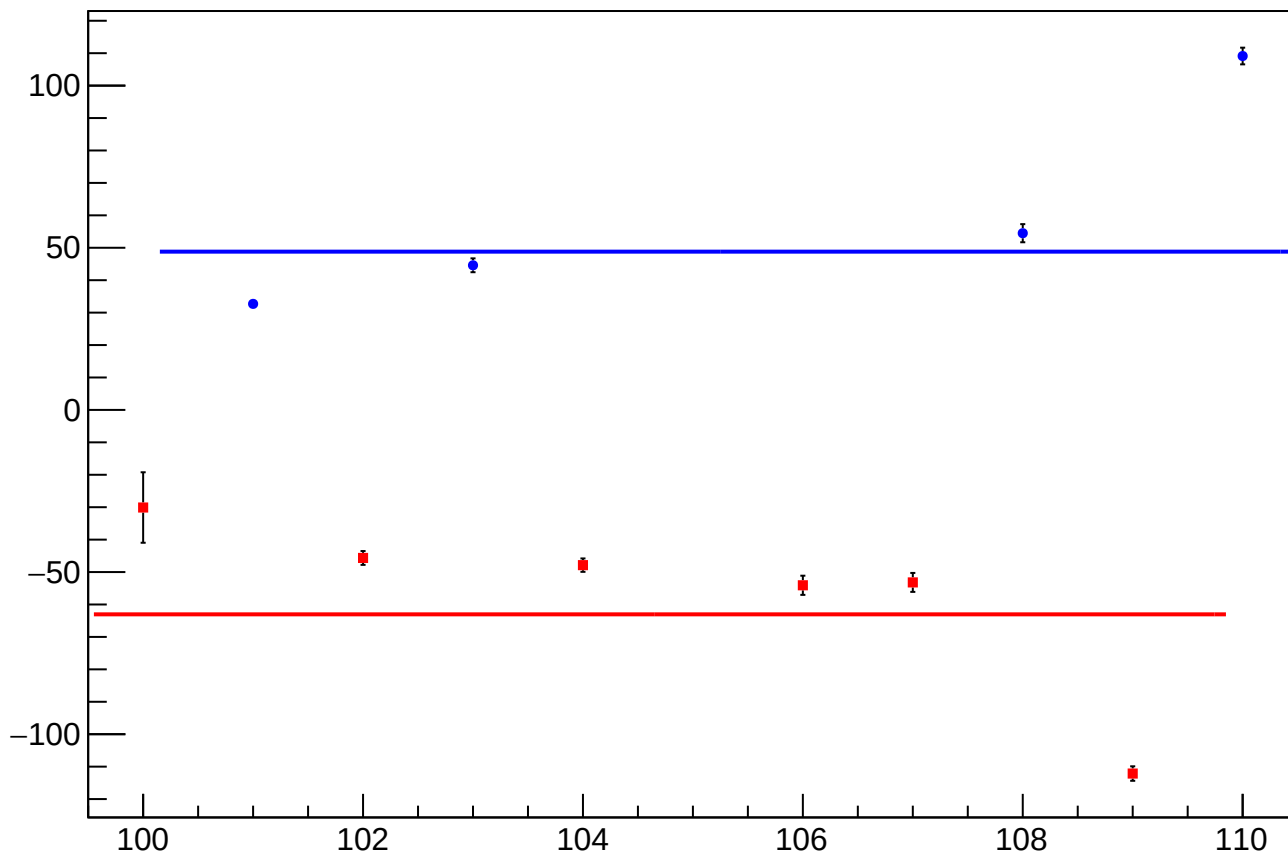
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$1.898 \pm 0.555$   $\chi^2/\text{NDF}$ : 46.3/3

$-0.588 \pm 0.414$   $\chi^2/\text{NDF}$ : 110.7/9

$-3.693 \pm 0.621$   $\chi^2/\text{NDF}$ : 19.3/5

reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 48.803+/-0.975  $\chi^2$ /NDF: 700.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -63.037+/-1.057  $\chi^2$ /NDF: 633.1/5

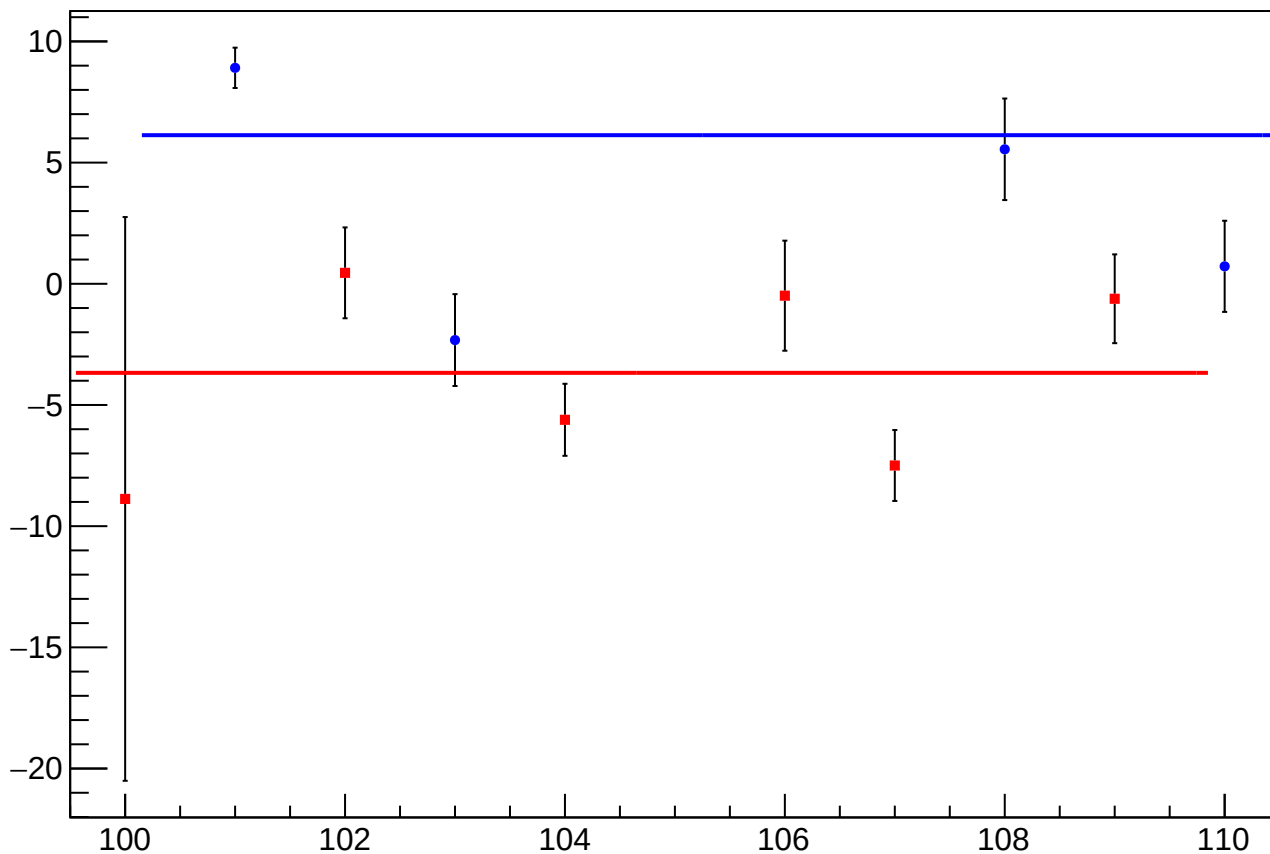
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

48.803+/-0.975  $\chi^2$ /NDF: 700.9/3

-2.597+/-0.717  $\chi^2$ /NDF: 7381.7/9

-63.037+/-1.057  $\chi^2$ /NDF: 633.1/5

reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 6.132+/-0.669  $\chi^2/\text{NDF}$ : 39.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.674+/-0.766  $\chi^2/\text{NDF}$ : 18.3/5

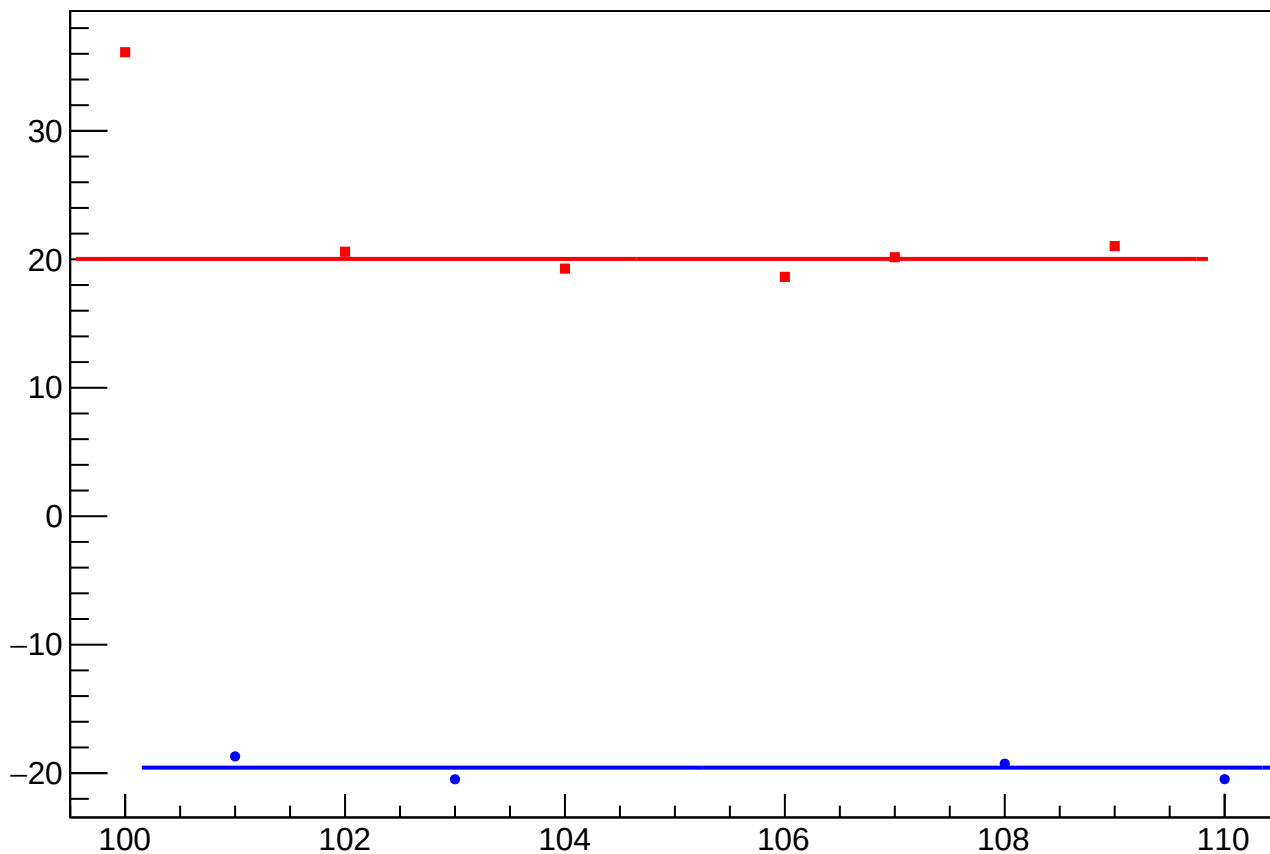
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.132+/-0.669  $\chi^2/\text{NDF}$ : 39.4/3

1.889+/-0.504  $\chi^2/\text{NDF}$ : 150.7/9

-3.674+/-0.766  $\chi^2/\text{NDF}$ : 18.3/5

reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.572 \pm 0.029$   $\chi^2/\text{NDF}: 765.4/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $20.032 \pm 0.028$   $\chi^2/\text{NDF}: 2865.7/5$

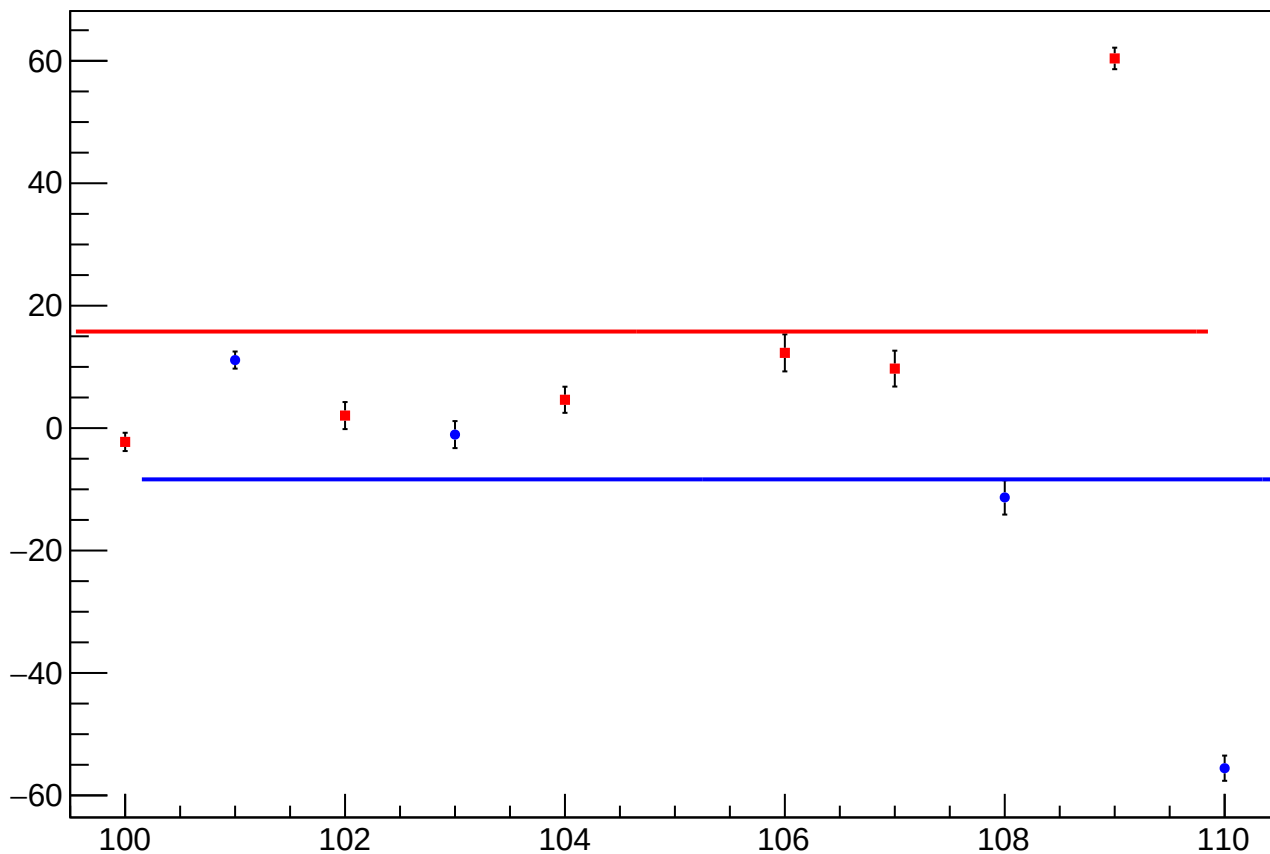
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-19.572 \pm 0.029$   $\chi^2/\text{NDF}: 765.4/3$

$1.049 \pm 0.020$   $\chi^2/\text{NDF}: 963107.7/9$

$20.032 \pm 0.028$   $\chi^2/\text{NDF}: 2865.7/5$

reg\_asym\_right\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -8.374+/-0.962  $\chi^2$ /NDF: 732.1/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 15.778+/-0.838  $\chi^2$ /NDF: 861.6/5

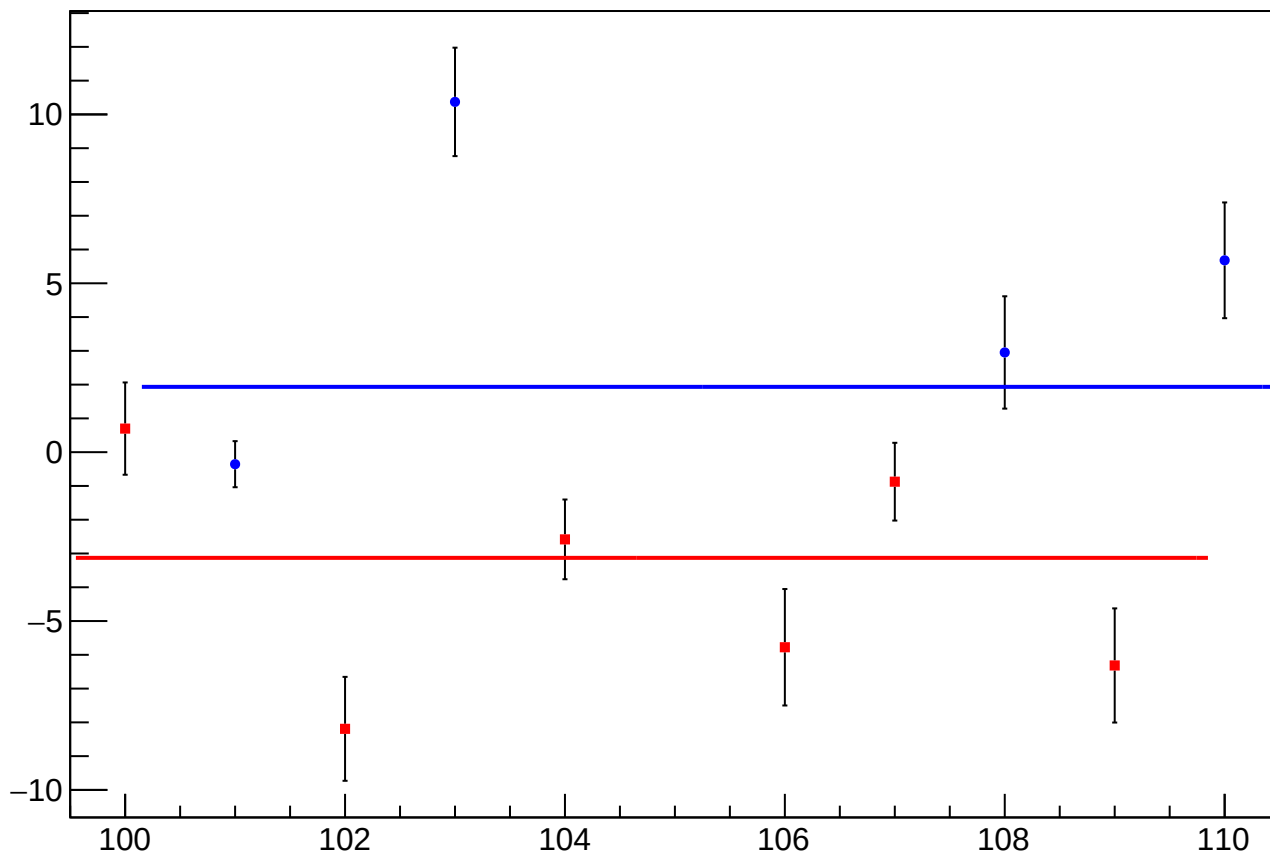
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-8.374+/-0.962  $\chi^2$ /NDF: 732.1/3

5.347+/-0.632  $\chi^2$ /NDF: 1952.1/9

15.778+/-0.838  $\chi^2$ /NDF: 861.6/5

reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.934+/-0.556  $\chi^2/\text{NDF}$ : 44.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.129+/-0.566  $\chi^2/\text{NDF}$ : 28.6/5

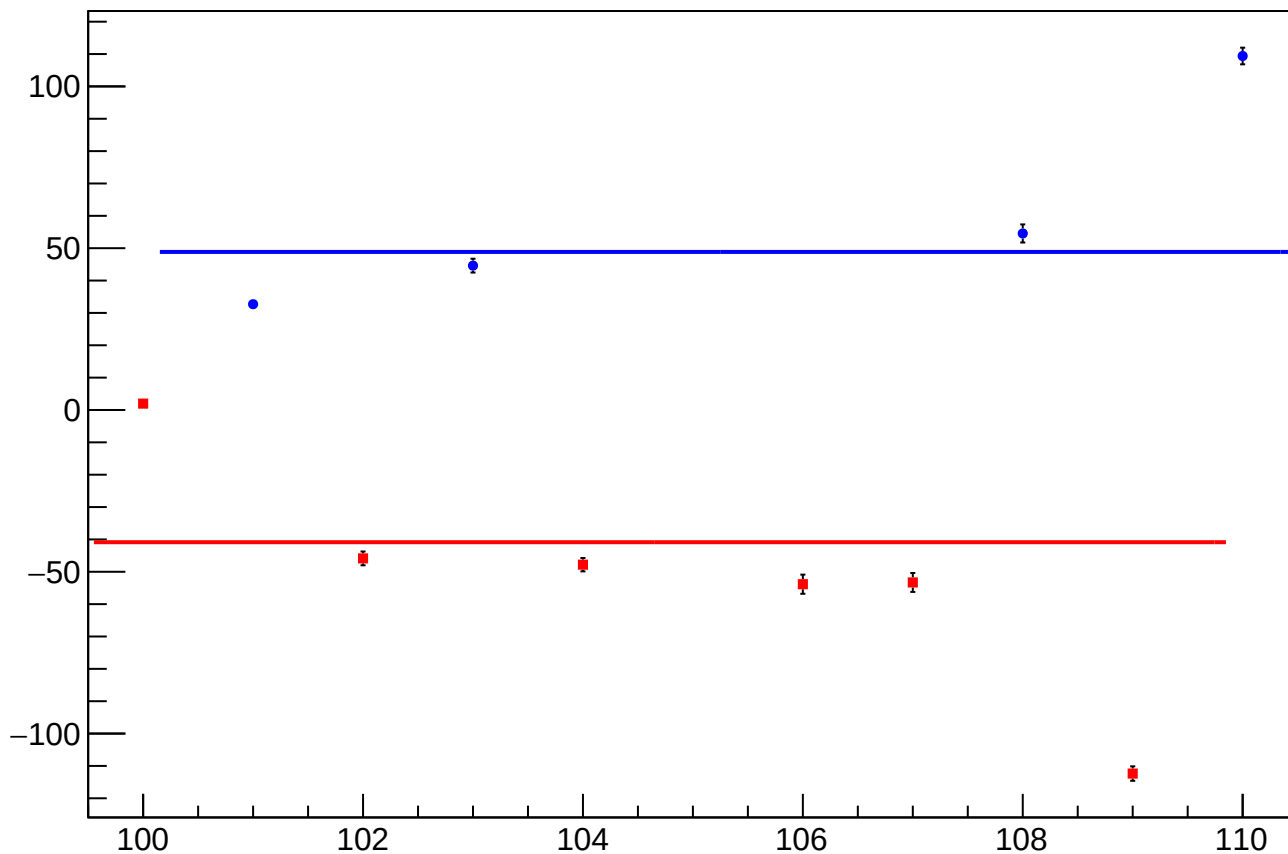
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.934+/-0.556  $\chi^2/\text{NDF}$ : 44.0/3

-0.550+/-0.397  $\chi^2/\text{NDF}$ : 113.4/9

-3.129+/-0.566  $\chi^2/\text{NDF}$ : 28.6/5

reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 48.851 $\pm$ 0.976  $\chi^2$ /NDF: 705.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -40.864 $\pm$ 0.860  $\chi^2$ /NDF: 1932.5/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

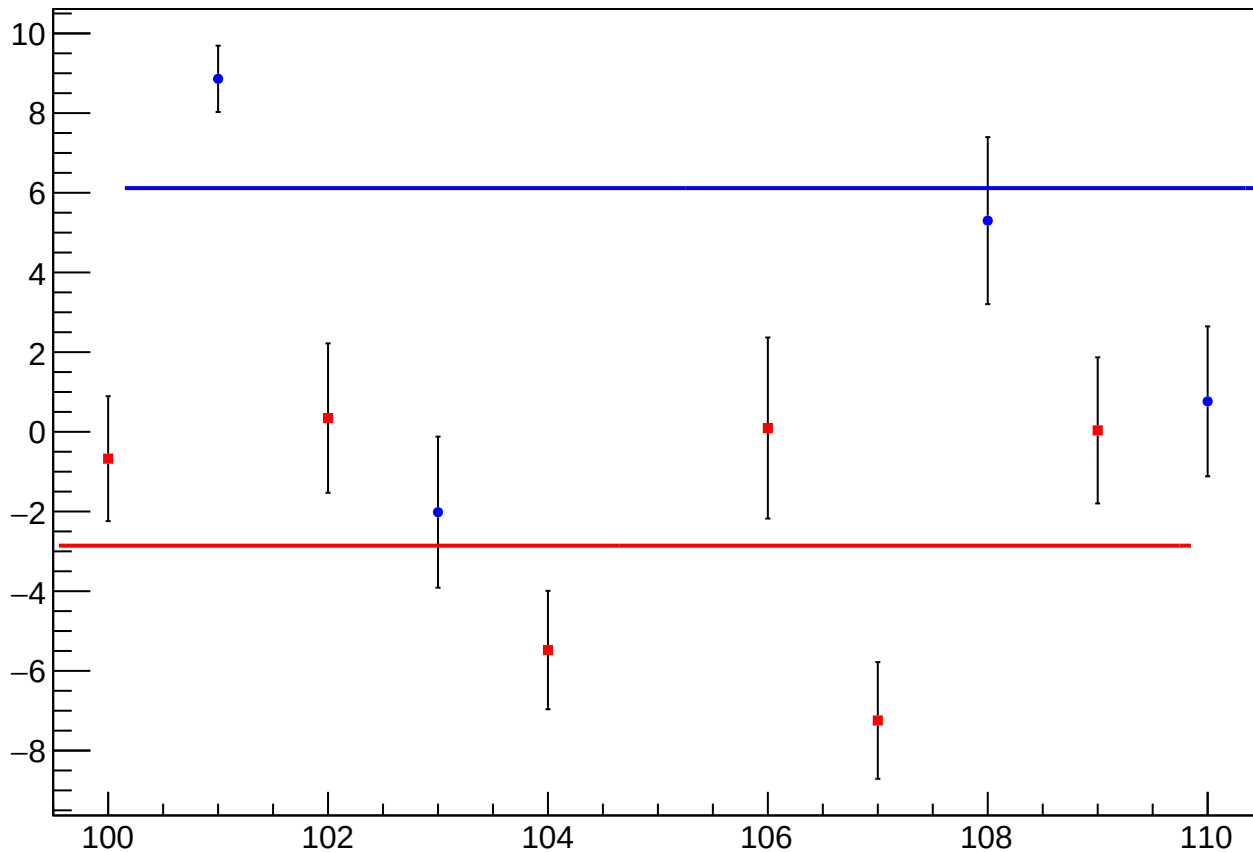
48.851 $\pm$ 0.976  $\chi^2$ /NDF: 705.2/3

-1.619 $\pm$ 0.645  $\chi^2$ /NDF: 7395.8/9

-40.864 $\pm$ 0.860  $\chi^2$ /NDF: 1932.5/5



reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 6.117+/-0.669  $\chi^2/\text{NDF}$ : 37.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.857+/-0.690  $\chi^2/\text{NDF}$ : 21.1/5

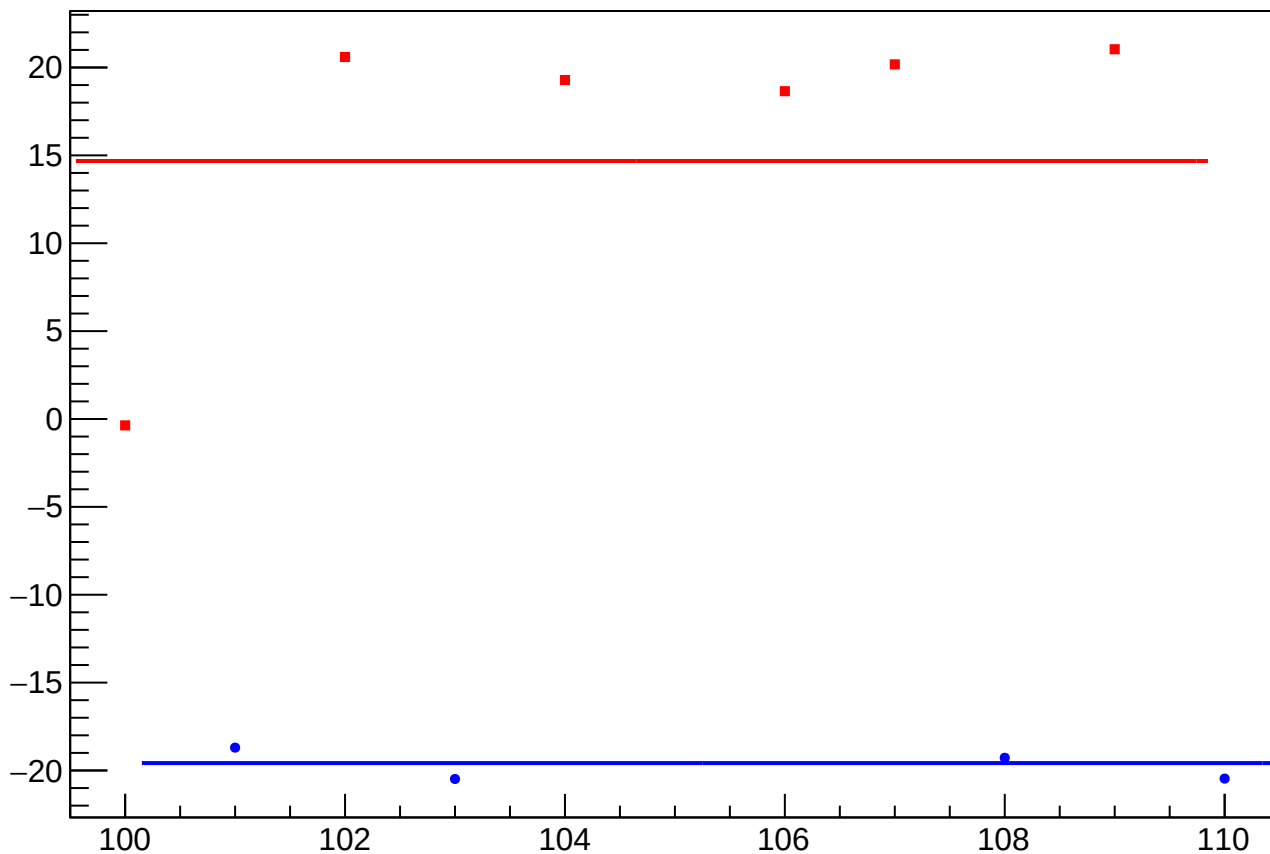
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.117+/-0.669  $\chi^2/\text{NDF}$ : 37.5/3

1.766+/-0.480  $\chi^2/\text{NDF}$ : 145.8/9

-2.857+/-0.690  $\chi^2/\text{NDF}$ : 21.1/5

reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.579 \pm 0.029$   $\chi^2/\text{NDF}$ : 759.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $14.680 \pm 0.024$   $\chi^2/\text{NDF}$ : 136068.7/5

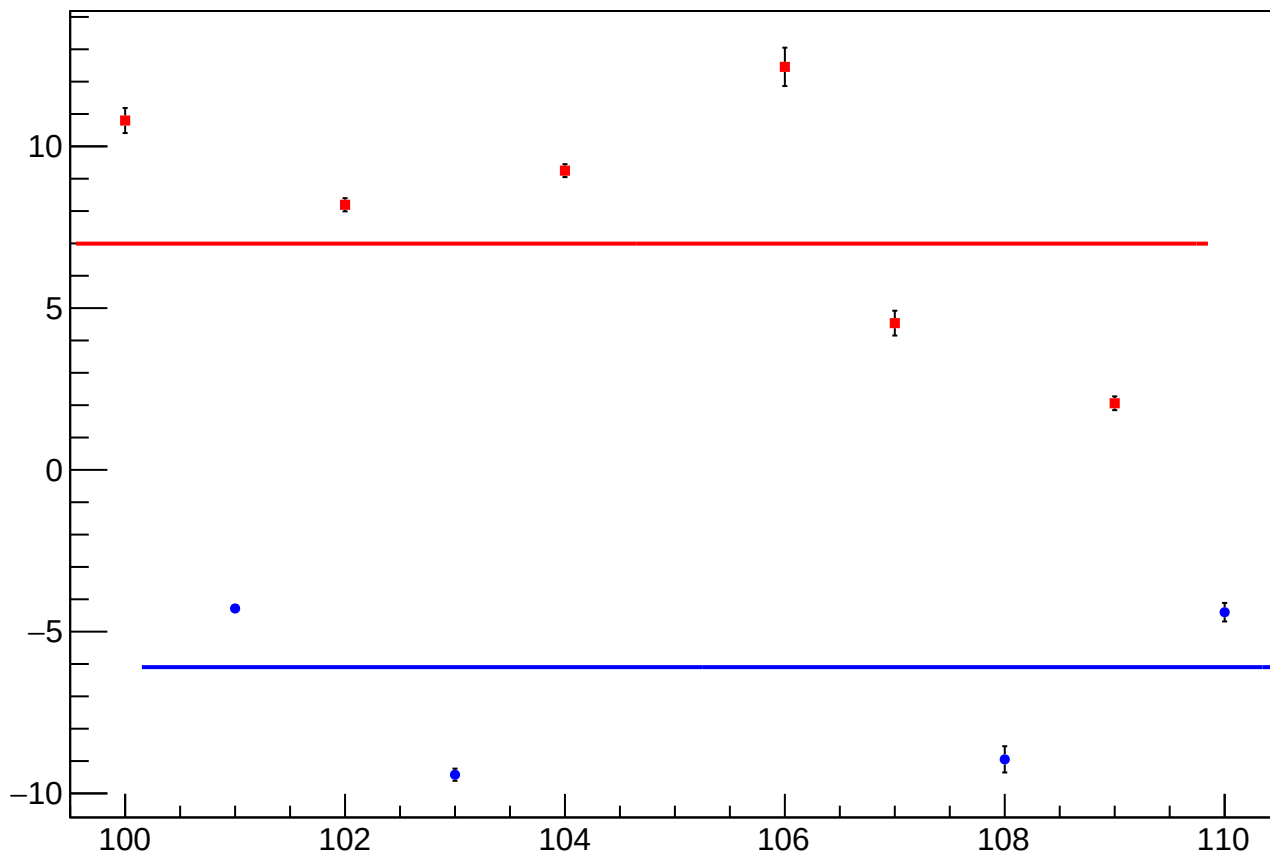
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-19.579 \pm 0.029$   $\chi^2/\text{NDF}$ : 759.5/3

$0.736 \pm 0.019$   $\chi^2/\text{NDF}$ : 953638.9/9

$14.680 \pm 0.024$   $\chi^2/\text{NDF}$ : 136068.7/5

reg\_asym\_sam\_15\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -6.097+/-0.102  $\chi^2$ /NDF: 560.2/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.993+/-0.107  $\chi^2$ /NDF: 922.3/5

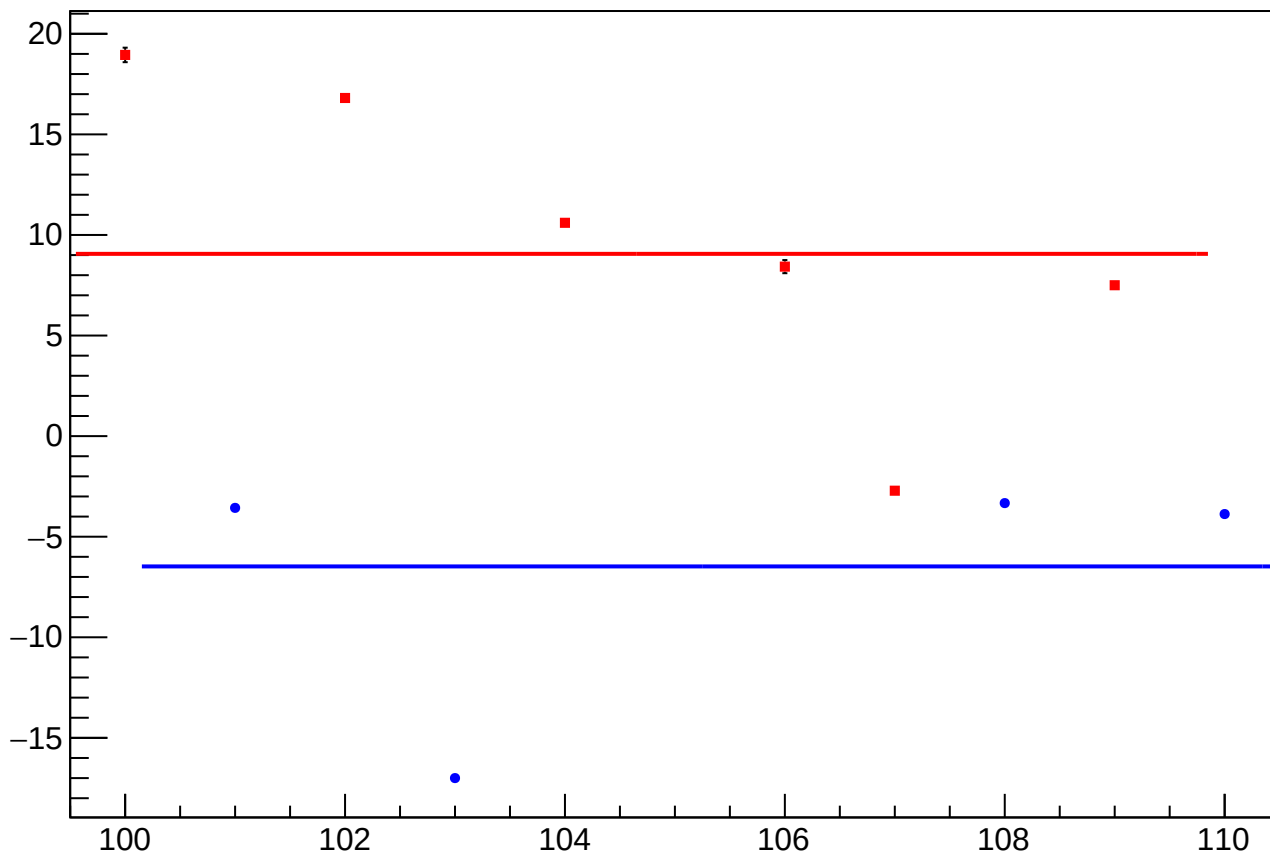
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-6.097+/-0.102  $\chi^2$ /NDF: 560.2/3

0.125+/-0.074  $\chi^2$ /NDF: 9330.7/9

6.993+/-0.107  $\chi^2$ /NDF: 922.3/5

reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.477+/-0.063  $\chi^2/\text{NDF}$ : 7757.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.061+/-0.072  $\chi^2/\text{NDF}$ : 9626.2/5

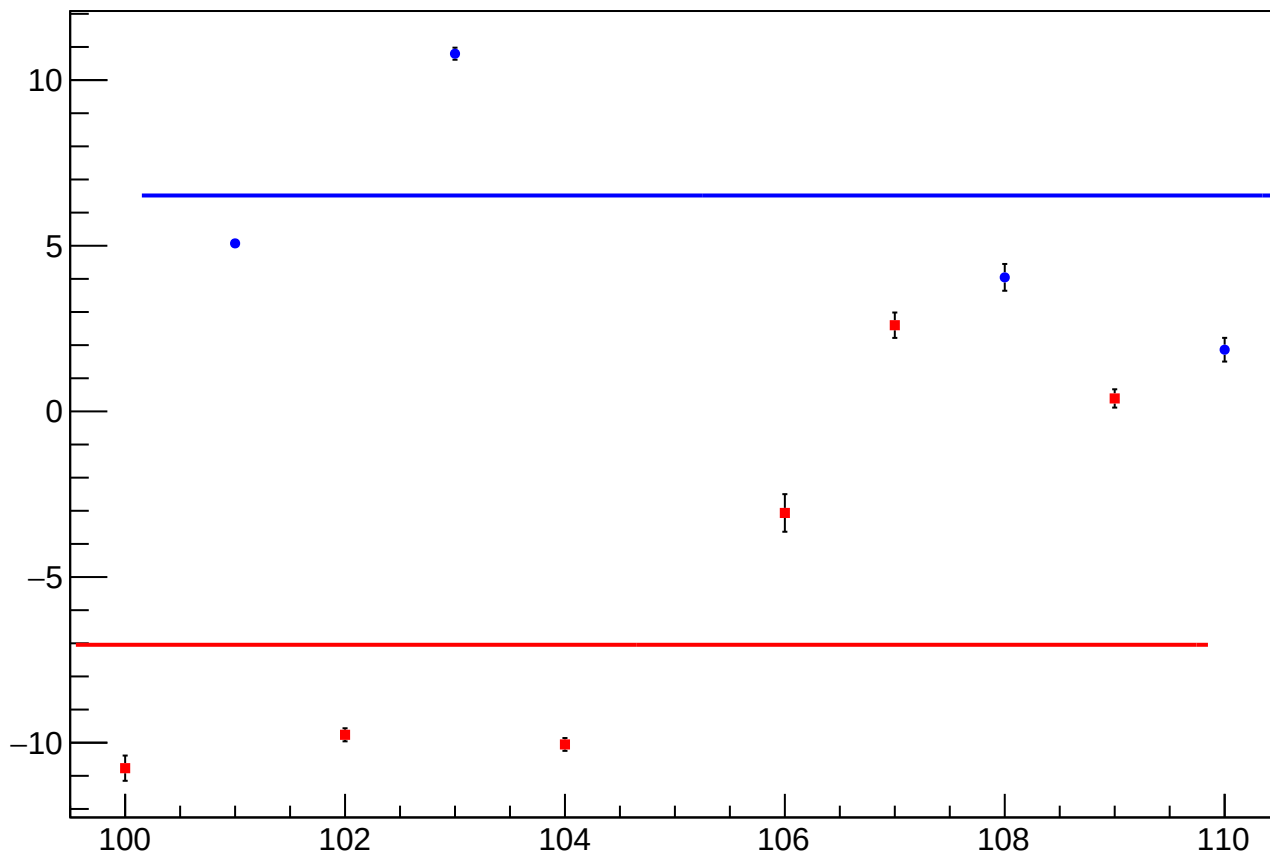
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6.477+/-0.063  $\chi^2/\text{NDF}$ : 7757.6/3

0.201+/-0.047  $\chi^2/\text{NDF}$ : 43716.3/9

9.061+/-0.072  $\chi^2/\text{NDF}$ : 9626.2/5

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.517+/-0.101  $\chi^2/\text{NDF}$ : 871.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.045+/-0.110  $\chi^2/\text{NDF}$ : 1932.9/5

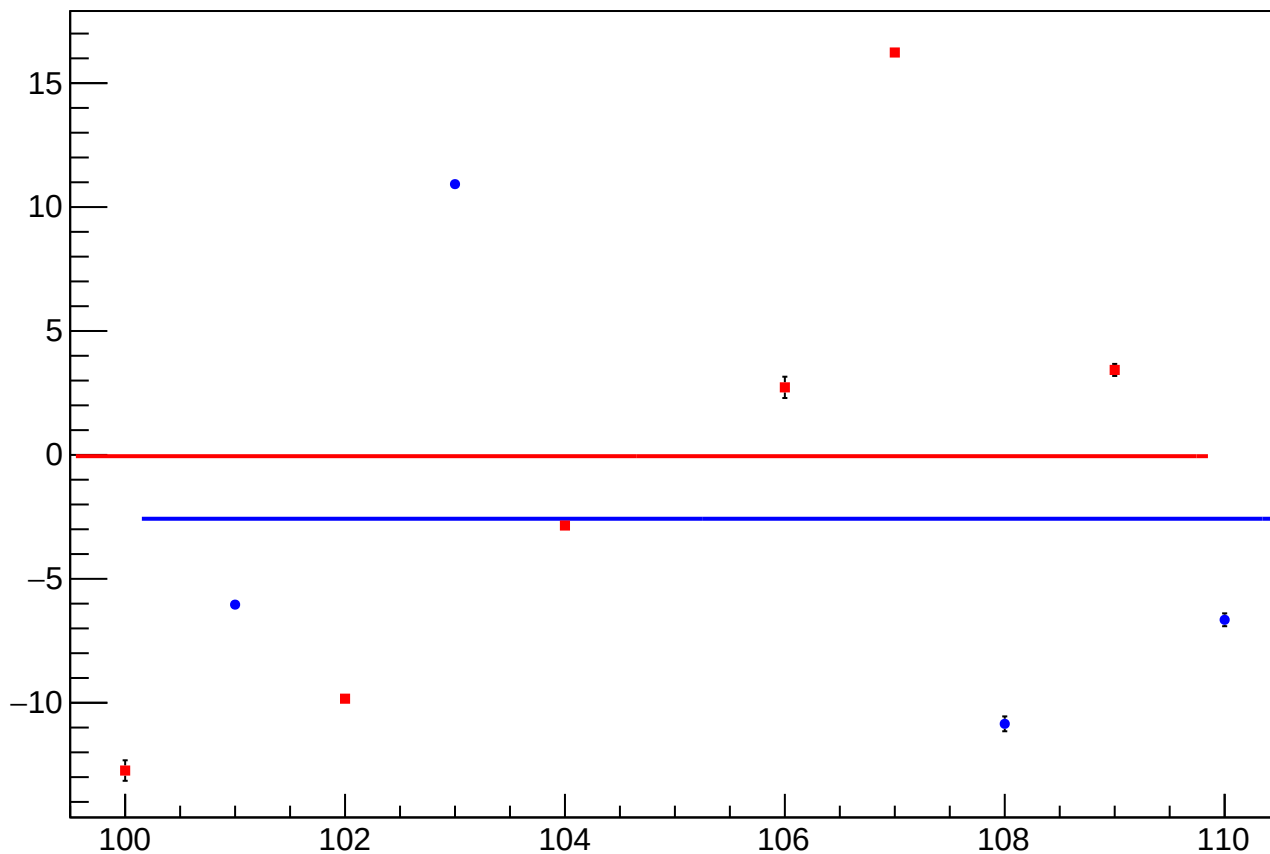
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.517+/-0.101  $\chi^2/\text{NDF}$ : 871.1/3

0.323+/-0.075  $\chi^2/\text{NDF}$ : 11014.7/9

-7.045+/-0.110  $\chi^2/\text{NDF}$ : 1932.9/5

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.575+/-0.076  $\chi^2/\text{NDF}$ : 9515.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.051+/-0.088  $\chi^2/\text{NDF}$ : 11523.6/5

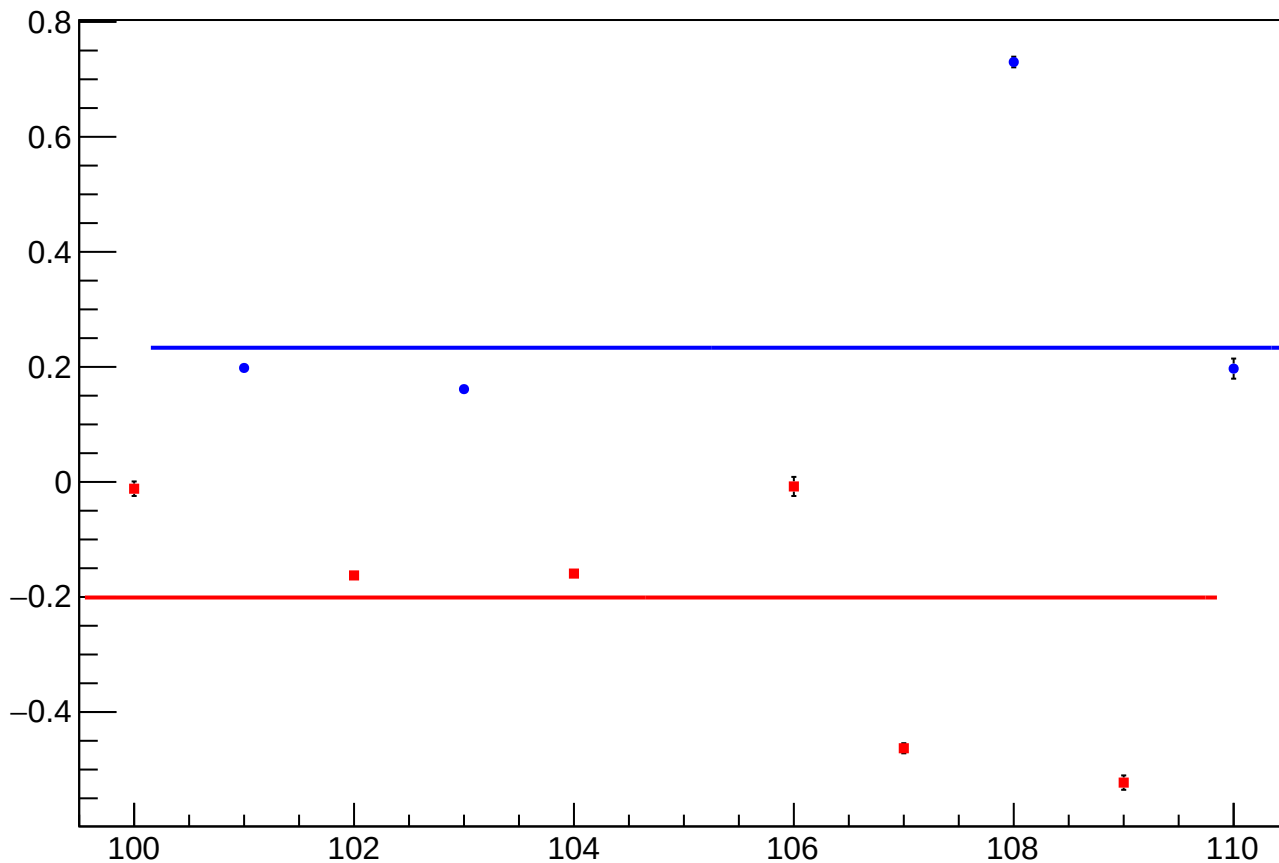
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.575+/-0.076  $\chi^2/\text{NDF}$ : 9515.6/3

-1.504+/-0.057  $\chi^2/\text{NDF}$ : 21512.8/9

-0.051+/-0.088  $\chi^2/\text{NDF}$ : 11523.6/5

reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.233+/-0.003  $\chi^2/\text{NDF}$ : 3223.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.201+/-0.003  $\chi^2/\text{NDF}$ : 2049.5/5

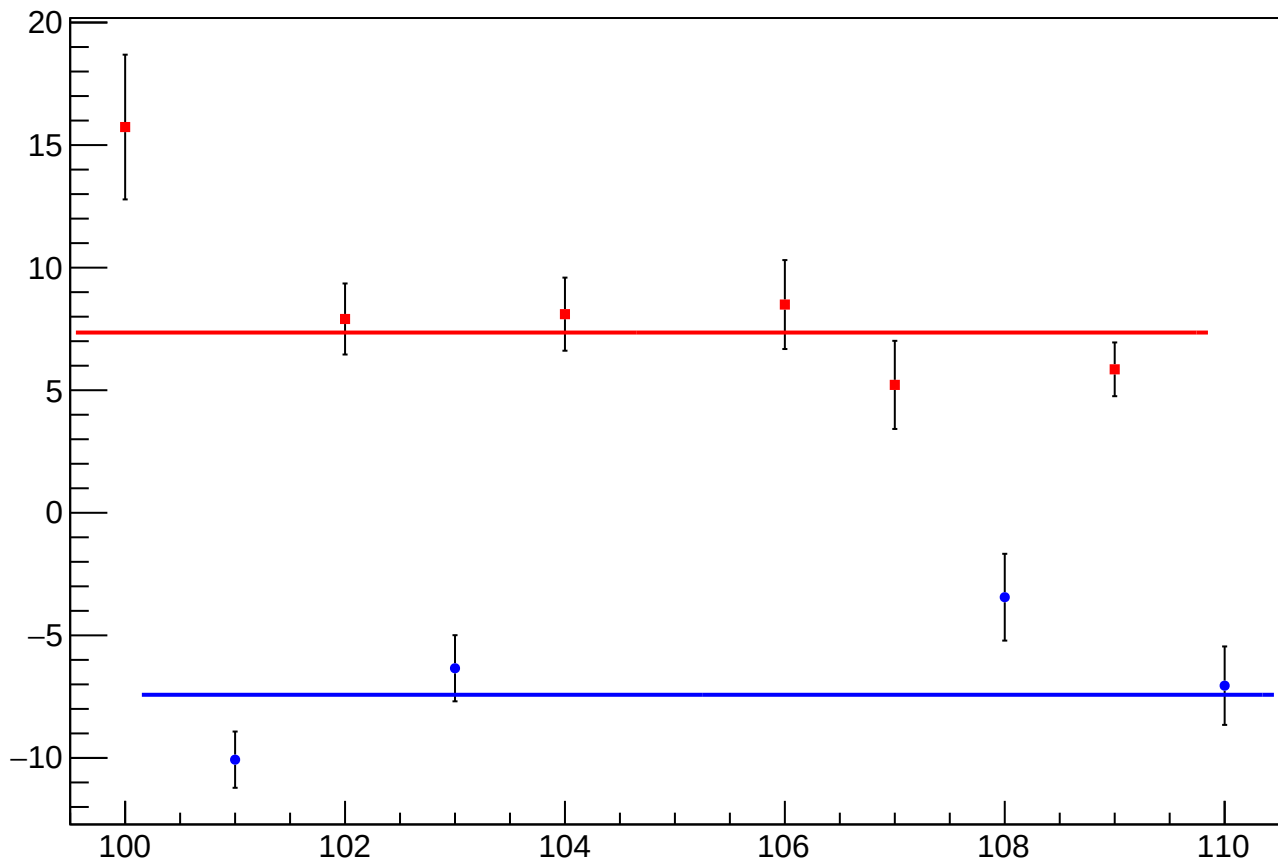
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.233+/-0.003  $\chi^2/\text{NDF}$ : 3223.4/3

0.011+/-0.002  $\chi^2/\text{NDF}$ : 16146.8/9

-0.201+/-0.003  $\chi^2/\text{NDF}$ : 2049.5/5

reg\_asym\_sam\_15\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -7.424+/-0.704  $\chi^2/\text{NDF}$ : 11.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.353+/-0.634  $\chi^2/\text{NDF}$ : 12.1/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

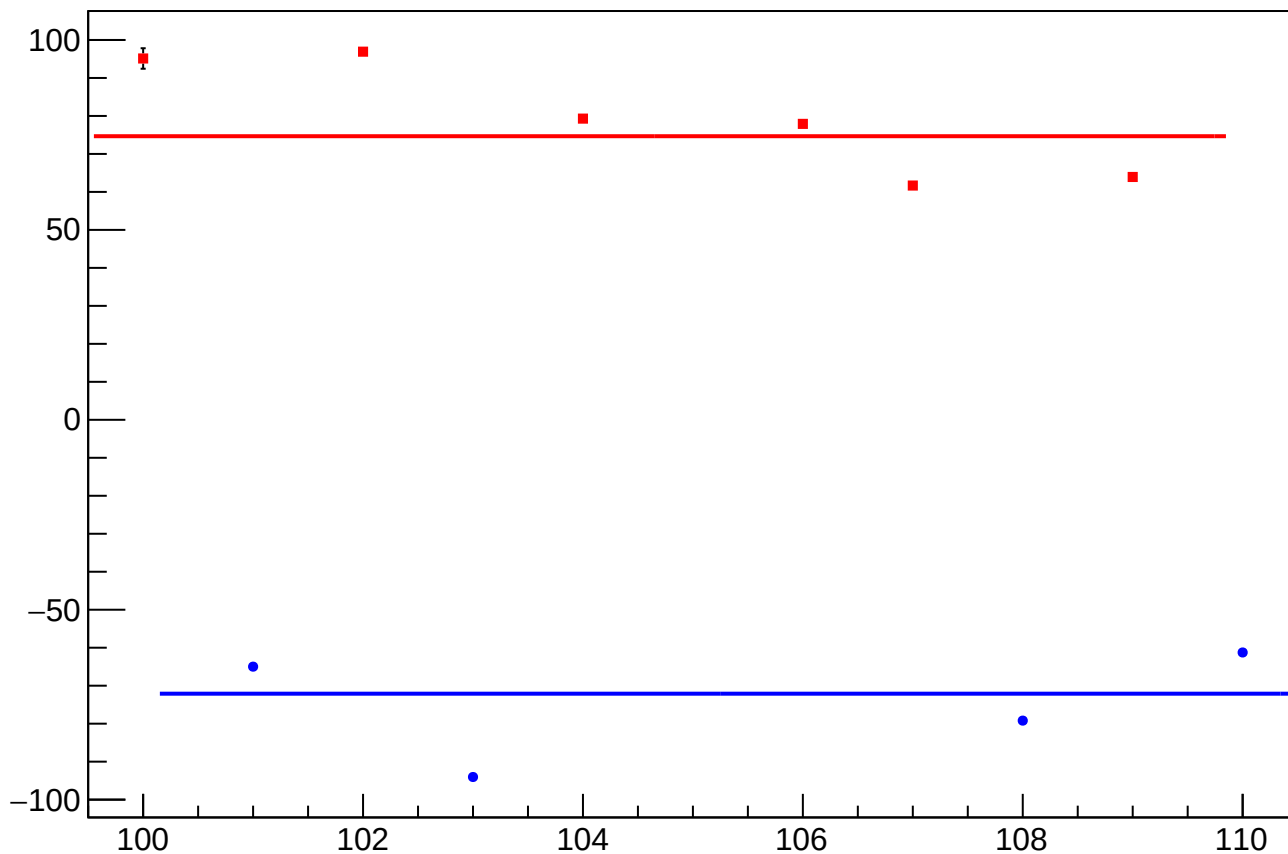
-7.424+/-0.704  $\chi^2/\text{NDF}$ : 11.1/3

0.732+/-0.471  $\chi^2/\text{NDF}$ : 266.5/9

7.353+/-0.634  $\chi^2/\text{NDF}$ : 12.1/5



reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -72.106+/-0.424  $\chi^2/\text{NDF}$ : 749.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 74.665+/-0.419  $\chi^2/\text{NDF}$ : 930.5/5

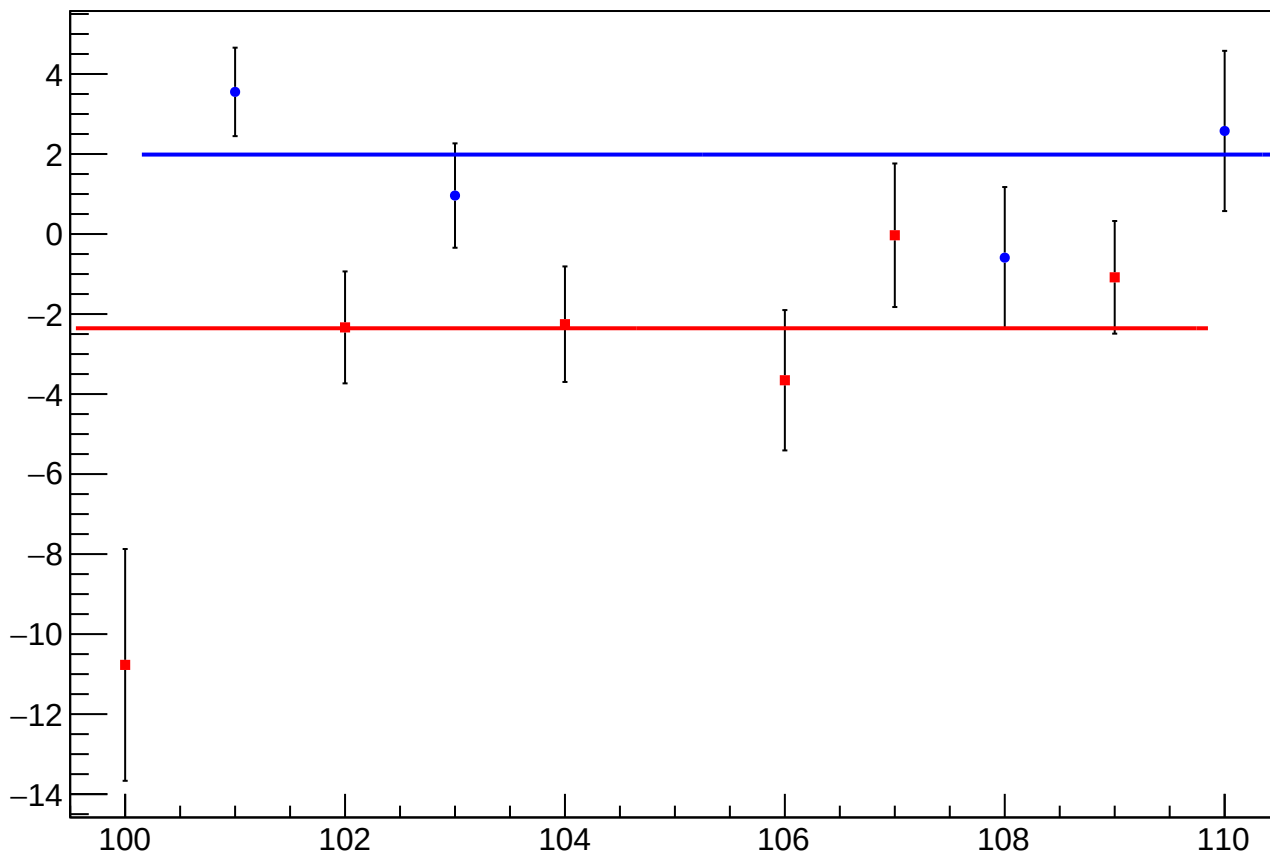
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-72.106+/-0.424  $\chi^2/\text{NDF}$ : 749.6/3

2.262+/-0.298  $\chi^2/\text{NDF}$ : 62312.9/9

74.665+/-0.419  $\chi^2/\text{NDF}$ : 930.5/5

reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 1.986 $\pm$ 0.711  $\chi^2$ /NDF: 4.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2.356 $\pm$ 0.667  $\chi^2$ /NDF: 11.5/5

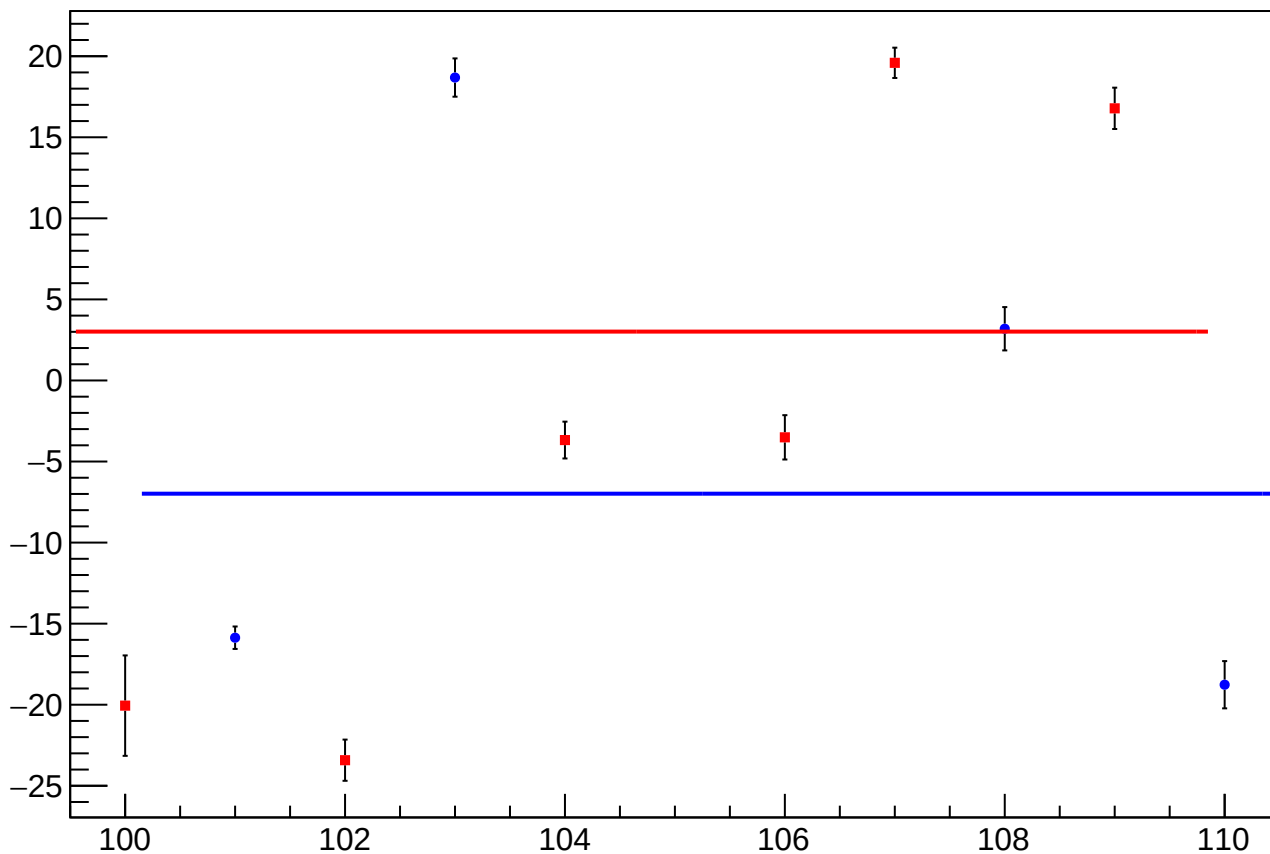
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.986 $\pm$ 0.711  $\chi^2$ /NDF: 4.8/3

-0.326 $\pm$ 0.486  $\chi^2$ /NDF: 36.2/9

-2.356 $\pm$ 0.667  $\chi^2$ /NDF: 11.5/5

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -6.984+/-0.511  $\chi^2/\text{NDF}$ : 760.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.014+/-0.513  $\chi^2/\text{NDF}$ : 977.2/5

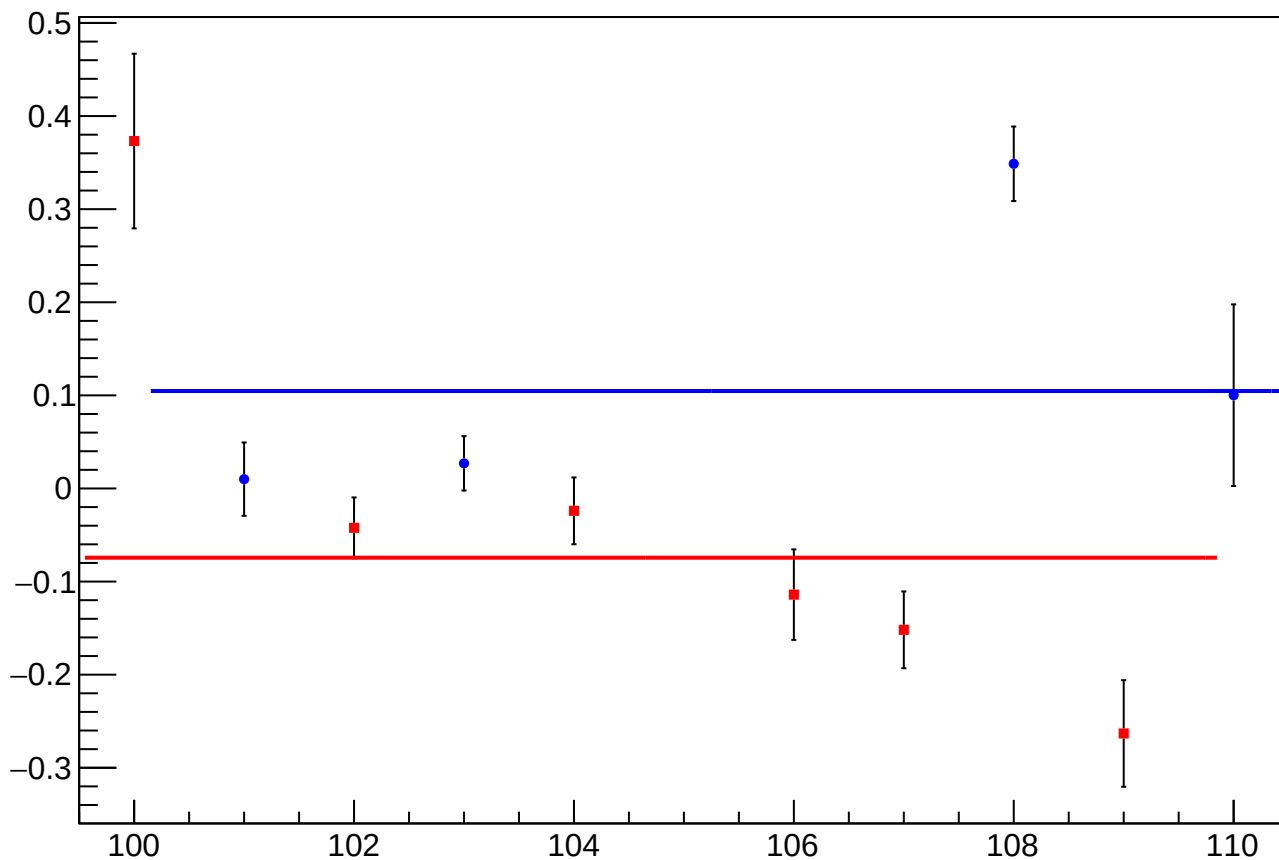
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6.984+/-0.511  $\chi^2/\text{NDF}$ : 760.7/3

-2.013+/-0.362  $\chi^2/\text{NDF}$ : 1928.7/9

3.014+/-0.513  $\chi^2/\text{NDF}$ : 977.2/5

reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.105 $\pm$ 0.020  $\chi^2$ /NDF: 50.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.074 $\pm$ 0.018  $\chi^2$ /NDF: 40.8/5

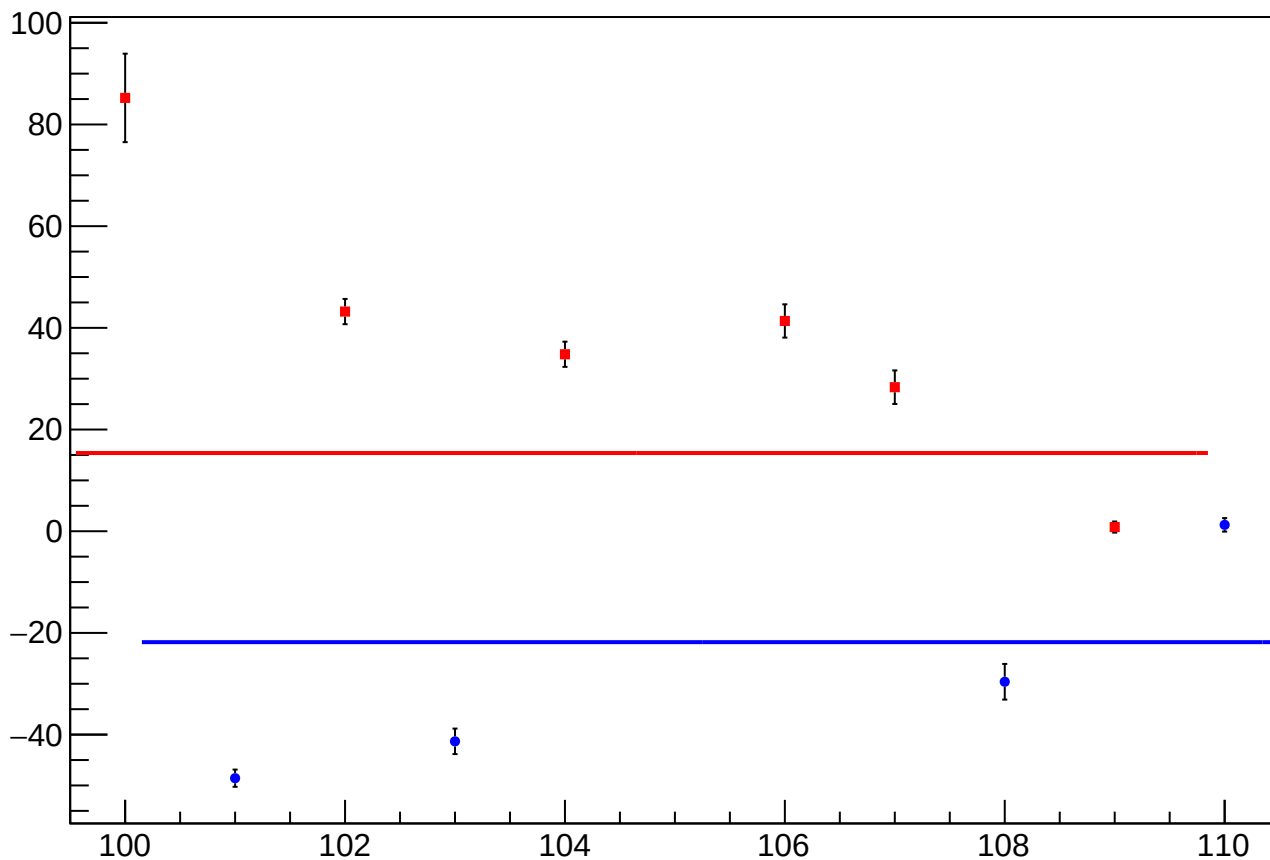
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.105 $\pm$ 0.020  $\chi^2$ /NDF: 50.0/3

0.006 $\pm$ 0.013  $\chi^2$ /NDF: 135.8/9

-0.074 $\pm$ 0.018  $\chi^2$ /NDF: 40.8/5

reg\_asym\_sam\_37\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-21.817 \pm 0.930$   $\chi^2/\text{NDF}$ : 616.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $15.383 \pm 0.857$   $\chi^2/\text{NDF}$ : 507.1/5

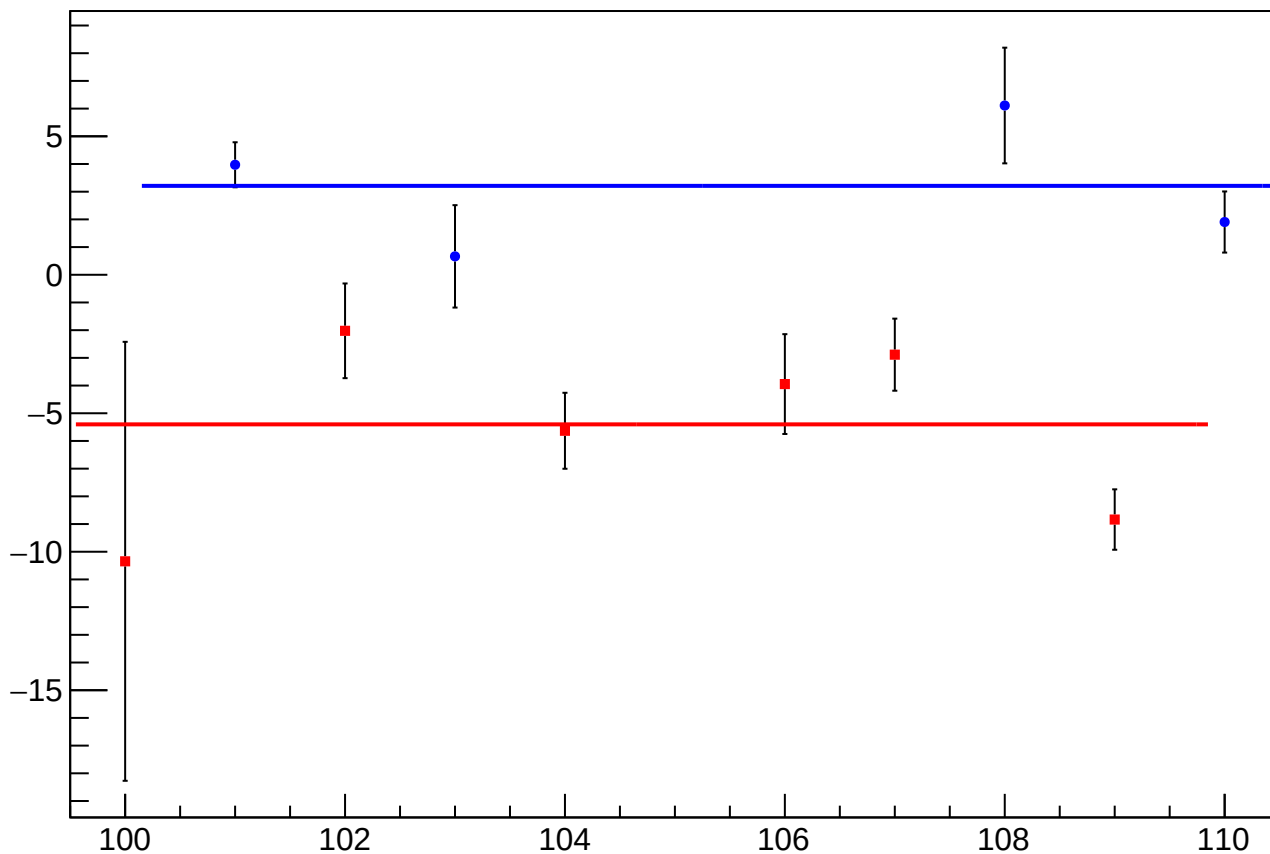
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-21.817 \pm 0.930$   $\chi^2/\text{NDF}$ : 616.7/3

$-1.701 \pm 0.630$   $\chi^2/\text{NDF}$ : 1988.7/9

$15.383 \pm 0.857$   $\chi^2/\text{NDF}$ : 507.1/5

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.211+/-0.592  $\chi^2/\text{NDF}$ : 6.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.401+/-0.617  $\chi^2/\text{NDF}$ : 18.6/5

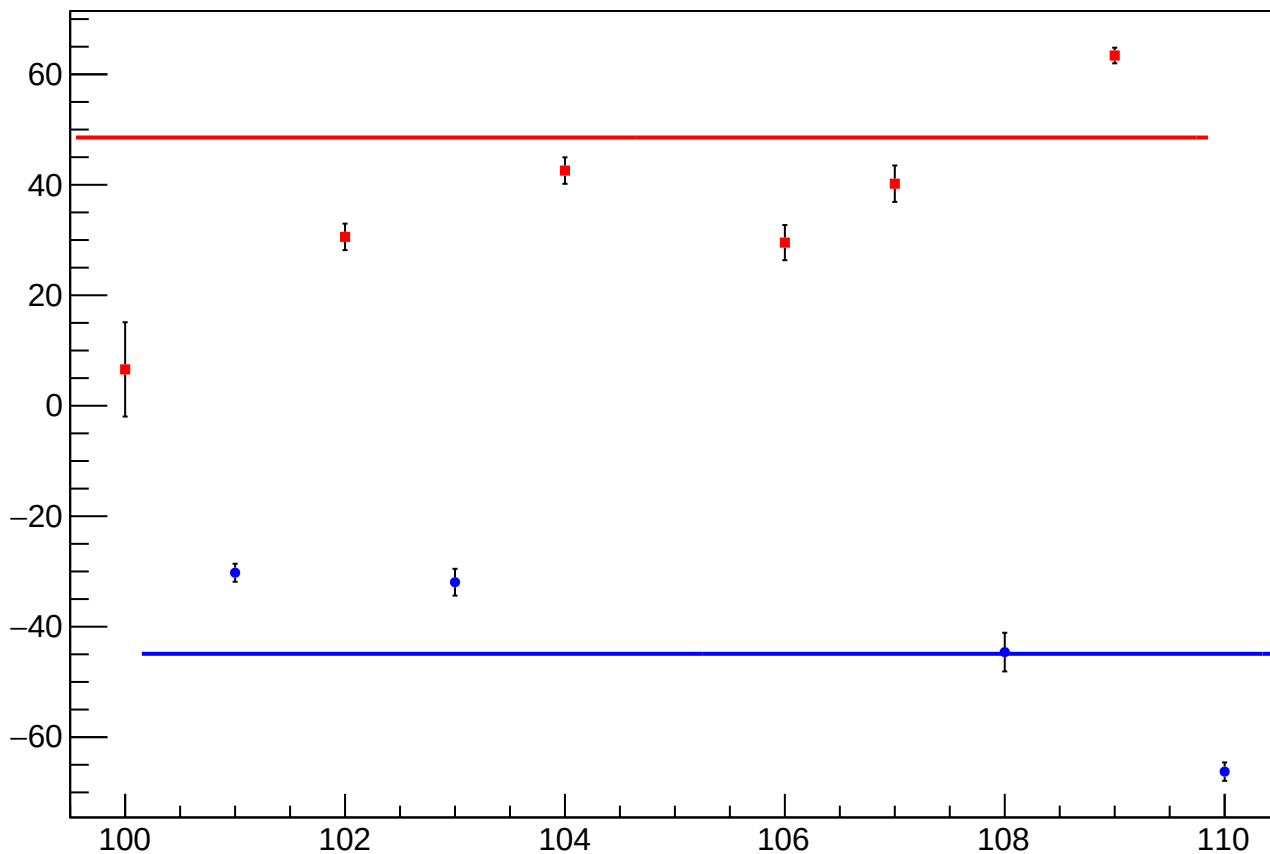
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.211+/-0.592  $\chi^2/\text{NDF}$ : 6.1/3

-0.917+/-0.427  $\chi^2/\text{NDF}$ : 126.3/9

-5.401+/-0.617  $\chi^2/\text{NDF}$ : 18.6/5

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-44.906 \pm 1.005$   $\chi^2/\text{NDF}: 274.7/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $48.562 \pm 0.976$   $\chi^2/\text{NDF}: 238.4/5$

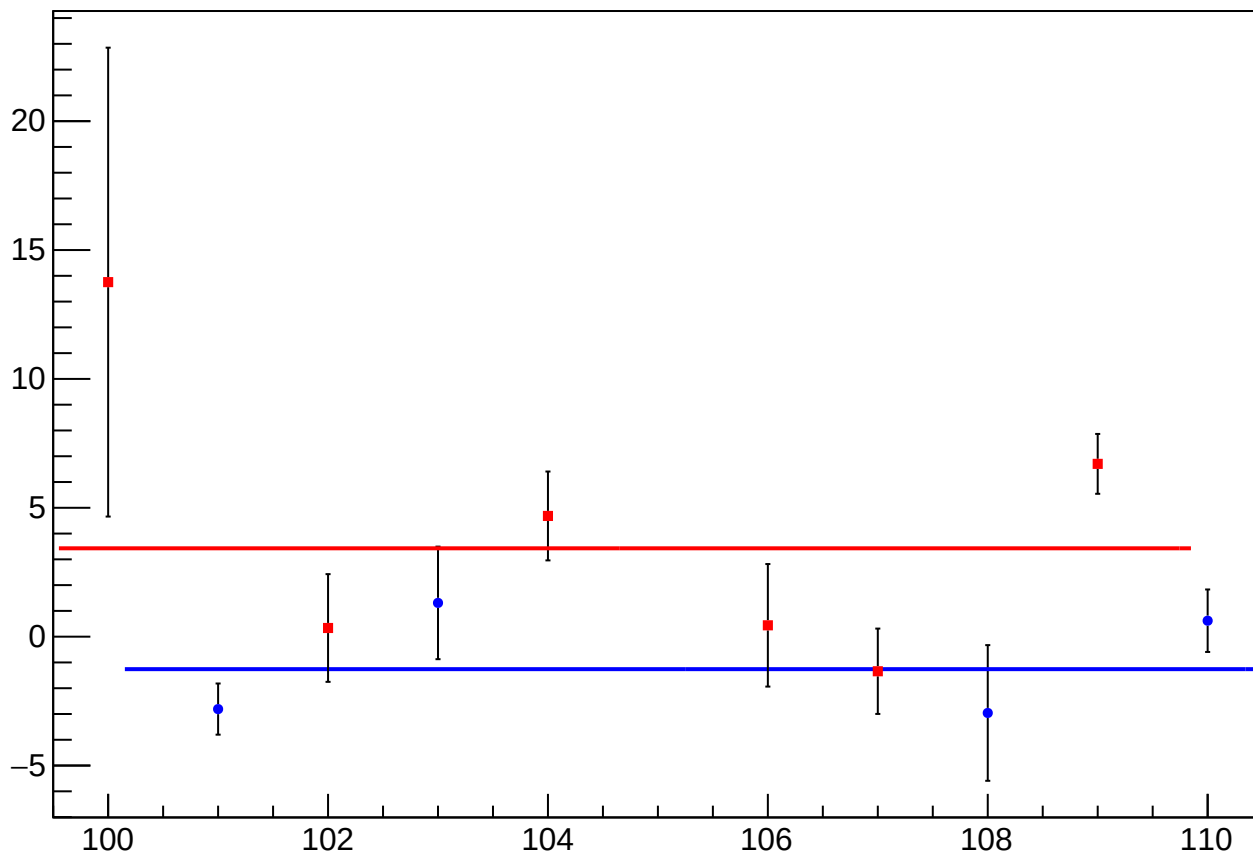
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-44.906 \pm 1.005$   $\chi^2/\text{NDF}: 274.7/3$

$3.176 \pm 0.700$   $\chi^2/\text{NDF}: 4965.2/9$

$48.562 \pm 0.976$   $\chi^2/\text{NDF}: 238.4/5$

reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.260+/-0.698  $\chi^2/\text{NDF}$ : 6.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.428+/-0.733  $\chi^2/\text{NDF}$ : 21.8/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

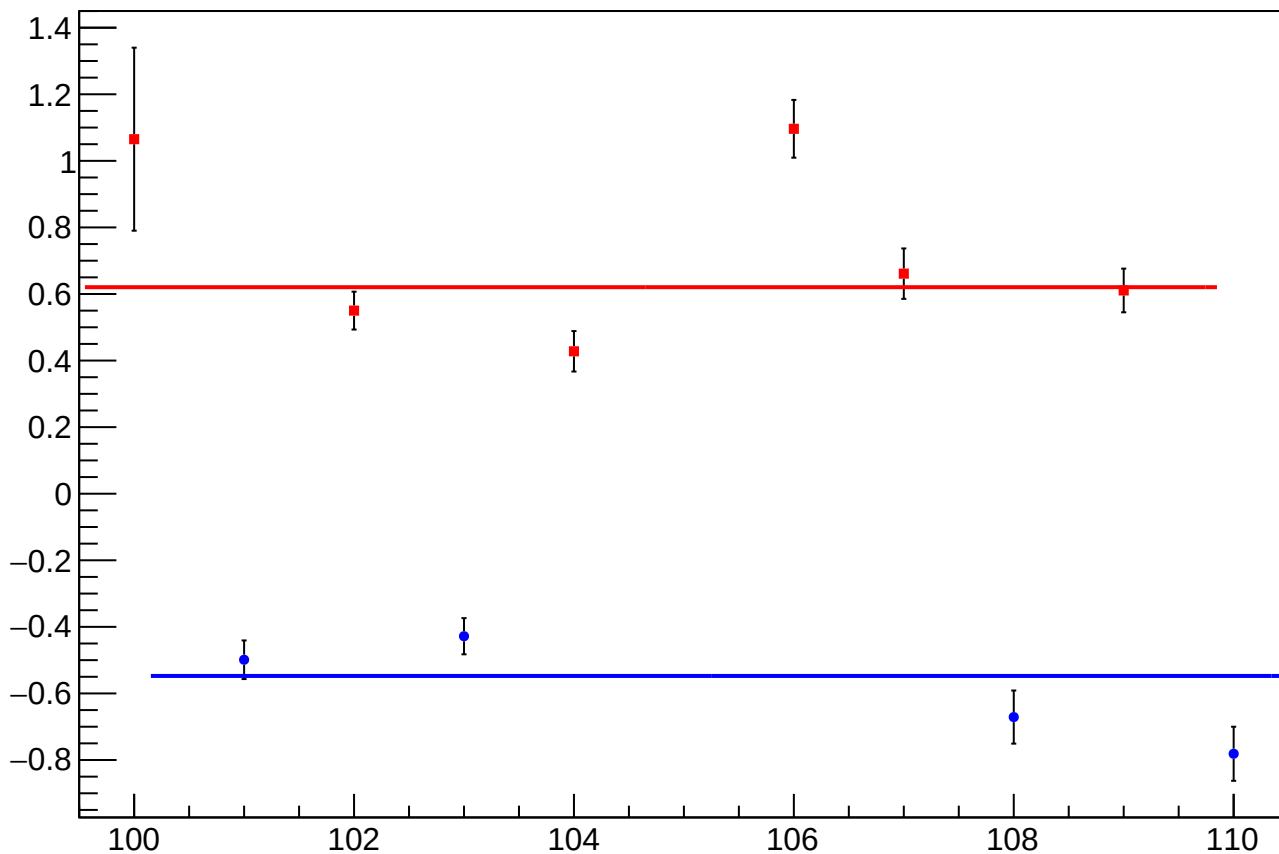
-1.260+/-0.698  $\chi^2/\text{NDF}$ : 6.6/3

0.971+/-0.506  $\chi^2/\text{NDF}$ : 49.9/9

3.428+/-0.733  $\chi^2/\text{NDF}$ : 21.8/5



reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.547 \pm 0.033$   $\chi^2/\text{NDF}$ : 16.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.620 \pm 0.030$   $\chi^2/\text{NDF}$ : 44.6/5

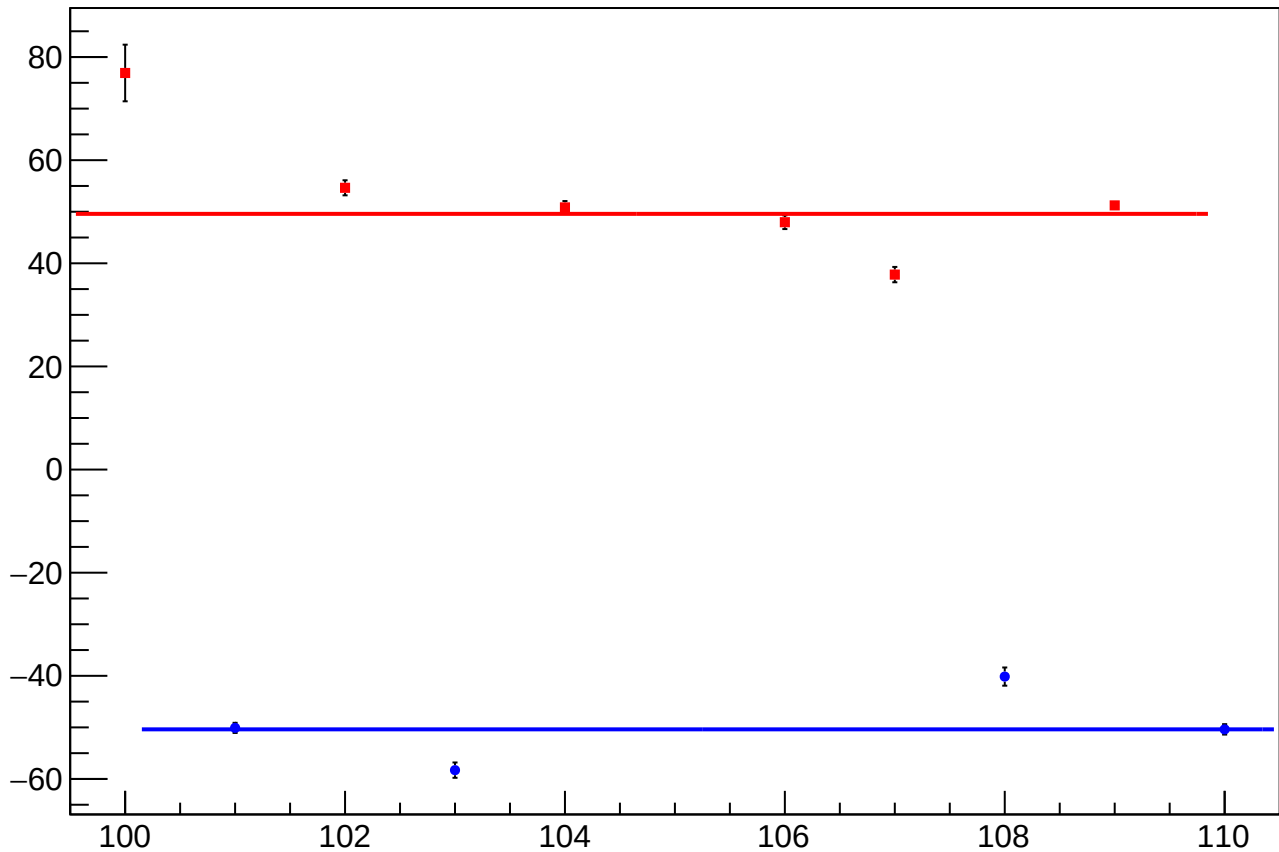
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.547 \pm 0.033$   $\chi^2/\text{NDF}$ : 16.2/3

$0.089 \pm 0.022$   $\chi^2/\text{NDF}$ : 762.8/9

$0.620 \pm 0.030$   $\chi^2/\text{NDF}$ : 44.6/5

reg\_asym\_sam\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -50.381+/-0.598  $\chi^2/\text{NDF}$ : 62.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 49.588+/-0.536  $\chi^2/\text{NDF}$ : 105.4/5

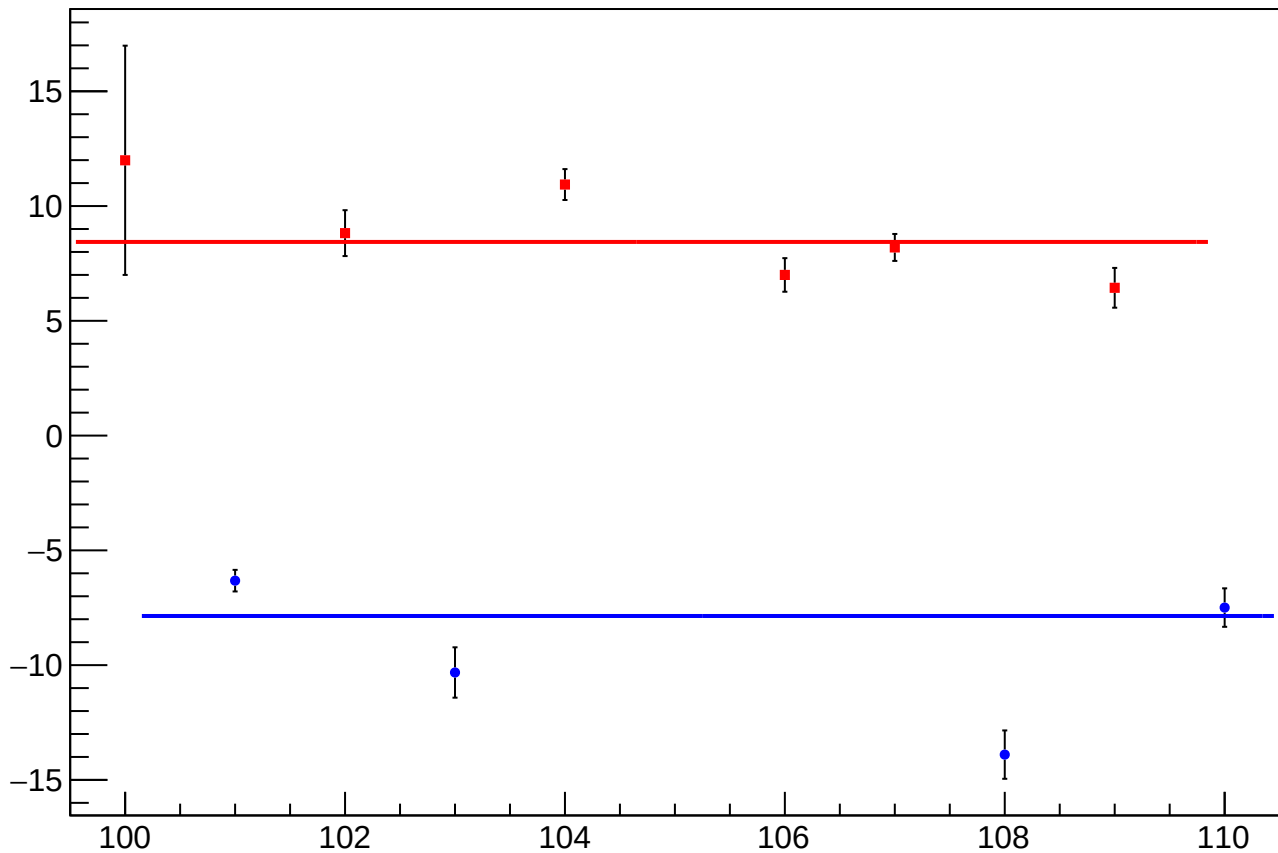
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-50.381+/-0.598  $\chi^2/\text{NDF}$ : 62.1/3

5.054+/-0.399  $\chi^2/\text{NDF}$ : 15653.7/9

49.588+/-0.536  $\chi^2/\text{NDF}$ : 105.4/5

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-7.859 \pm 0.361$   $\chi^2/\text{NDF}$ : 48.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $8.437 \pm 0.327$   $\chi^2/\text{NDF}$ : 23.8/5

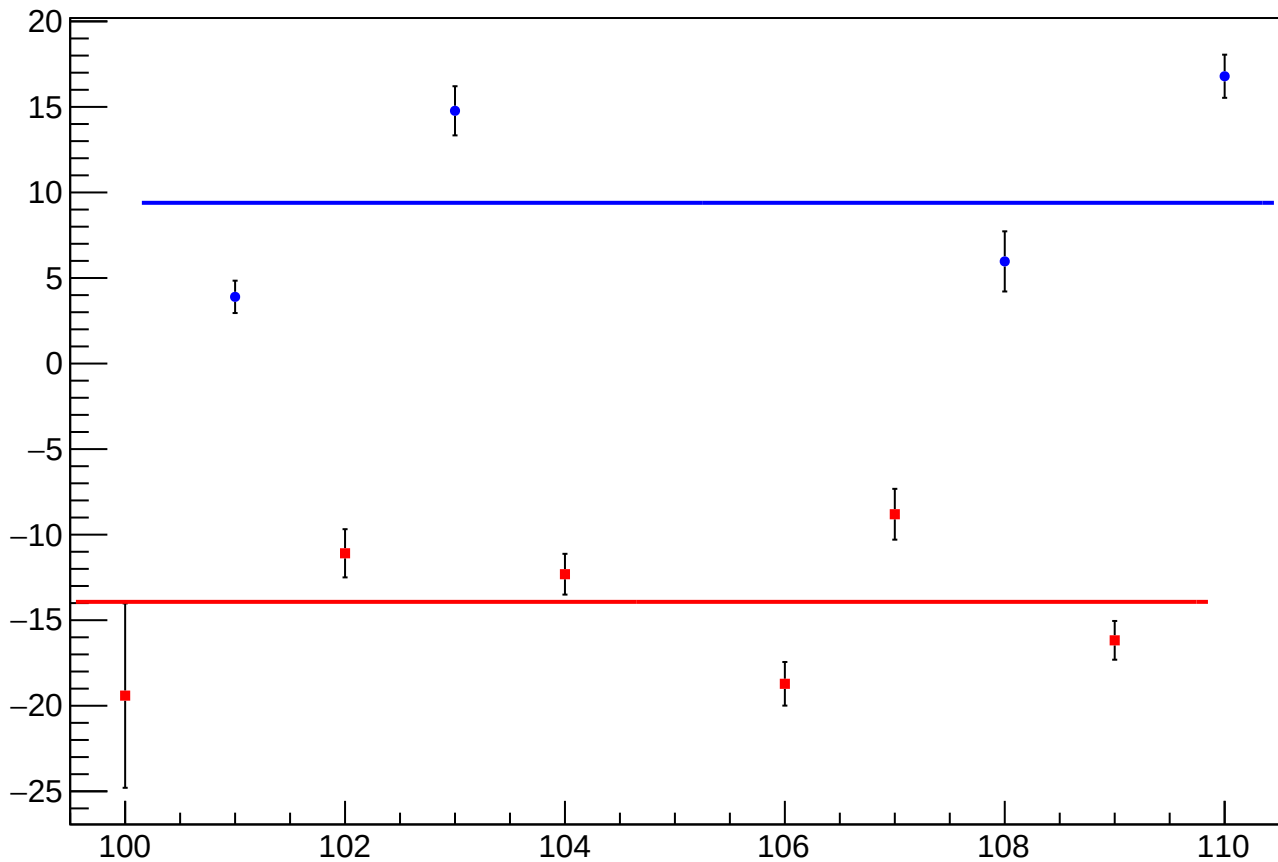
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-7.859 \pm 0.361$   $\chi^2/\text{NDF}$ : 48.8/3

$1.088 \pm 0.242$   $\chi^2/\text{NDF}$ : 1192.3/9

$8.437 \pm 0.327$   $\chi^2/\text{NDF}$ : 23.8/5

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 9.395 $\pm$ 0.626  $\chi^2$ /NDF: 86.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -13.928 $\pm$ 0.569  $\chi^2$ /NDF: 36.9/5

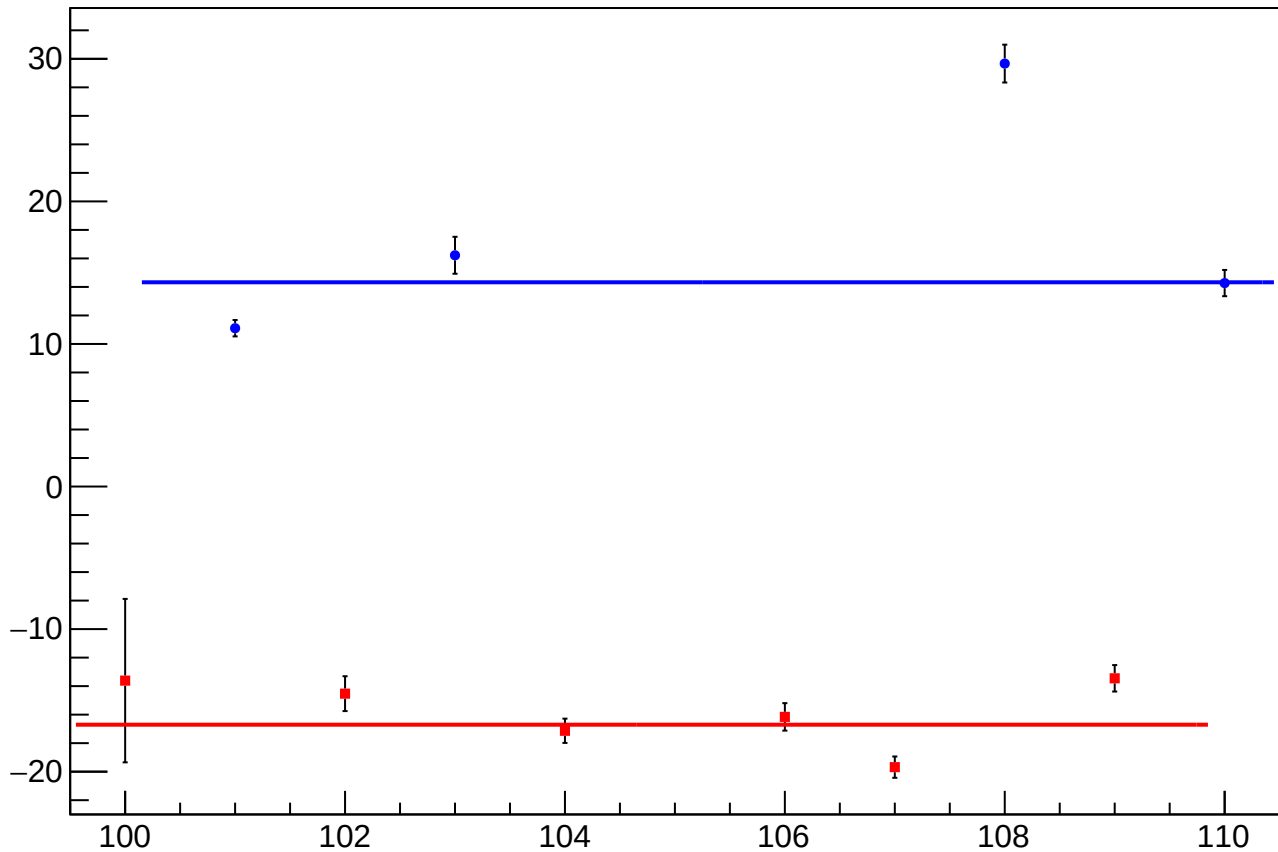
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

9.395 $\pm$ 0.626  $\chi^2$ /NDF: 86.0/3

-3.373 $\pm$ 0.421  $\chi^2$ /NDF: 883.9/9

-13.928 $\pm$ 0.569  $\chi^2$ /NDF: 36.9/5

reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 14.326+/-0.431  $\chi^2/\text{NDF}$ : 167.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -16.706+/-0.404  $\chi^2/\text{NDF}$ : 32.2/5

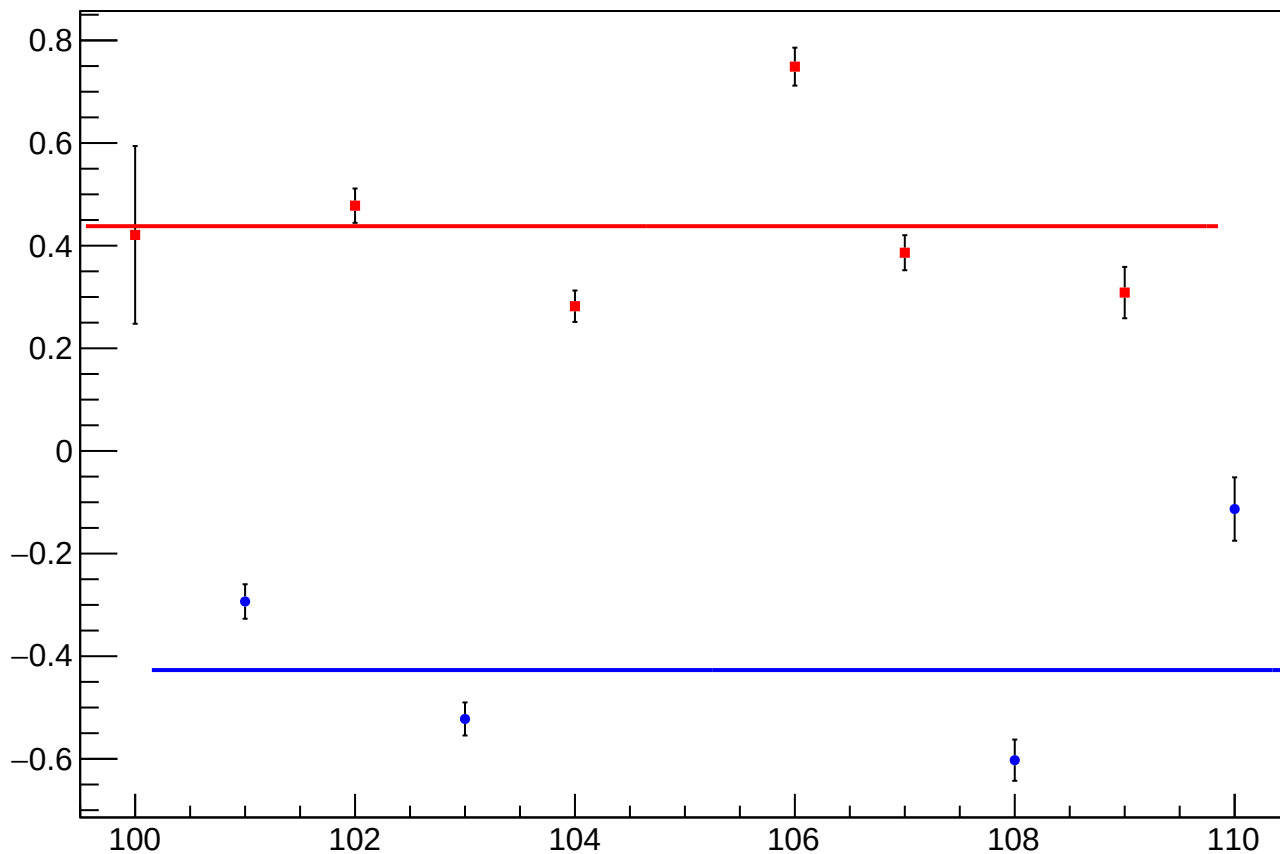
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

14.326+/-0.431  $\chi^2/\text{NDF}$ : 167.2/3

-2.184+/-0.295  $\chi^2/\text{NDF}$ : 2954.0/9

-16.706+/-0.404  $\chi^2/\text{NDF}$ : 32.2/5

reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.427 $\pm$ 0.019  $\chi^2$ /NDF: 69.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.438 $\pm$ 0.016  $\chi^2$ /NDF: 107.1/5

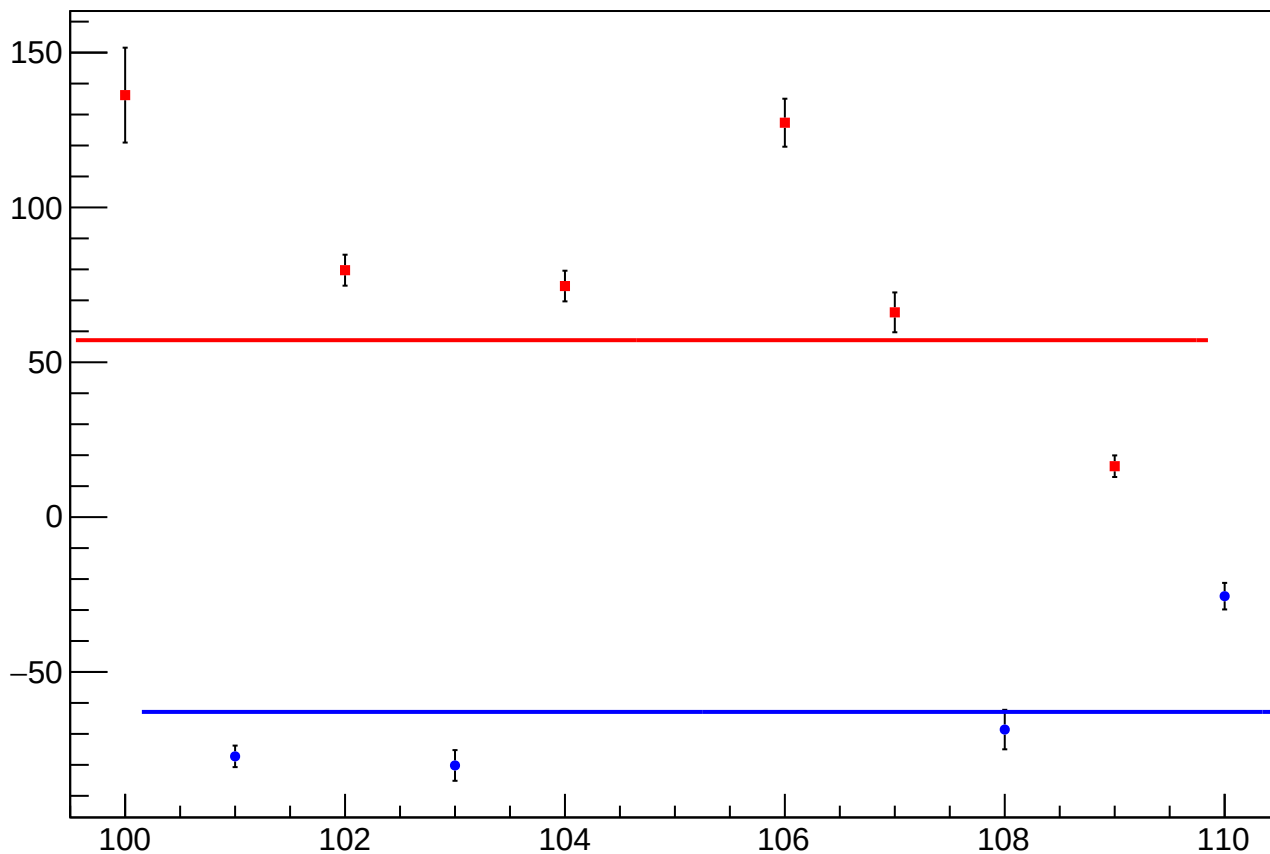
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.427 $\pm$ 0.019  $\chi^2$ /NDF: 69.5/3

0.086 $\pm$ 0.012  $\chi^2$ /NDF: 1389.3/9

0.438 $\pm$ 0.016  $\chi^2$ /NDF: 107.1/5

reg\_asym\_sam\_26\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -62.900 $\pm$ 2.222  $\chi^2$ /NDF: 106.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 57.135 $\pm$ 2.193  $\chi^2$ /NDF: 279.6/5

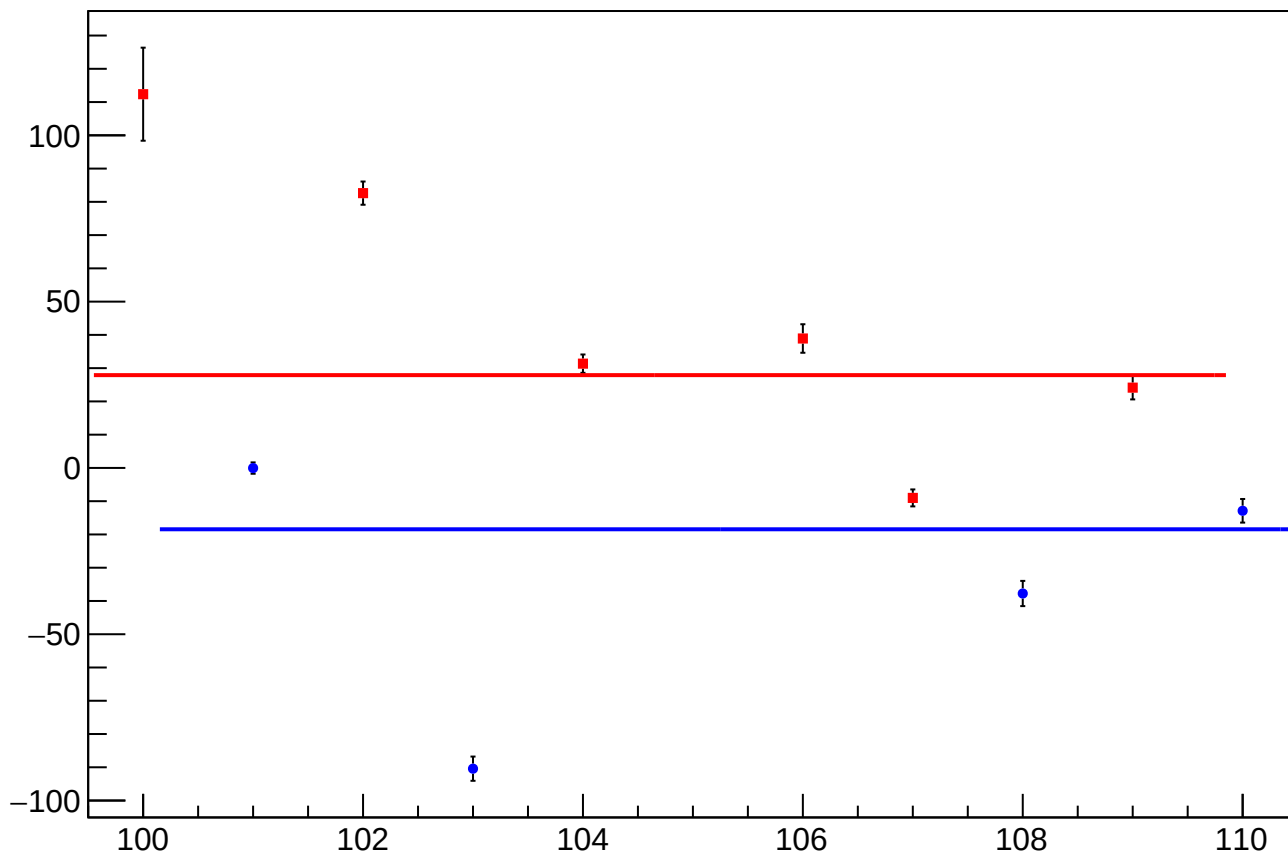
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-62.900 $\pm$ 2.222  $\chi^2$ /NDF: 106.0/3

-2.088 $\pm$ 1.561  $\chi^2$ /NDF: 1864.3/9

57.135 $\pm$ 2.193  $\chi^2$ /NDF: 279.6/5

reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -18.446+/-1.327  $\chi^2/\text{NDF}$ : 535.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 27.902+/-1.404  $\chi^2/\text{NDF}$ : 501.1/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

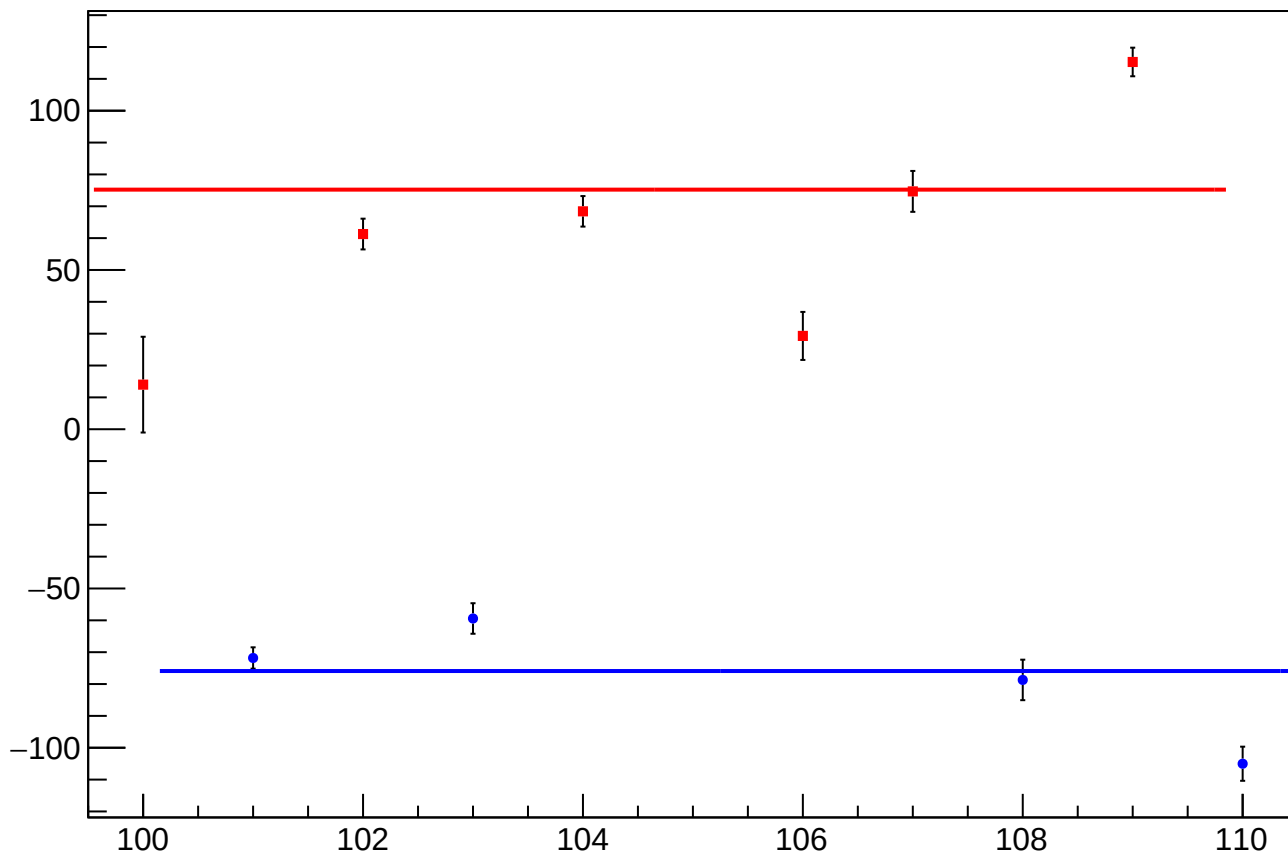
-18.446+/-1.327  $\chi^2/\text{NDF}$ : 535.3/3

3.412+/-0.964  $\chi^2/\text{NDF}$ : 1612.1/9

27.902+/-1.404  $\chi^2/\text{NDF}$ : 501.1/5



reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -75.913 $\pm$ 2.280  $\chi^2$ /NDF: 43.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 75.223 $\pm$ 2.342  $\chi^2$ /NDF: 143.7/5

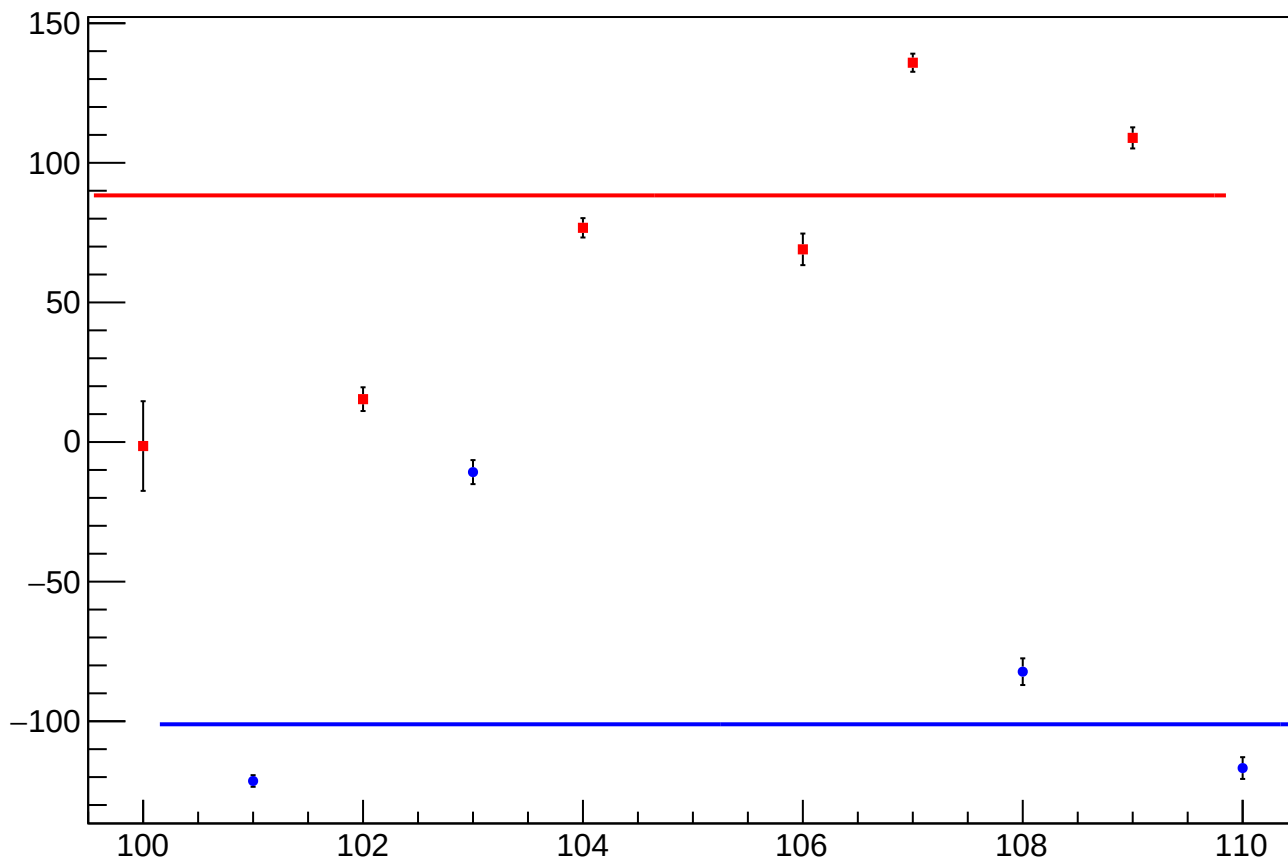
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-75.913 $\pm$ 2.280  $\chi^2$ /NDF: 43.0/3

-2.366 $\pm$ 1.634  $\chi^2$ /NDF: 2324.8/9

75.223 $\pm$ 2.342  $\chi^2$ /NDF: 143.7/5

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -101.090+/-1.593  $\chi^2$ /NDF: 567.6/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 88.335+/-1.719  $\chi^2$ /NDF: 593.2/5

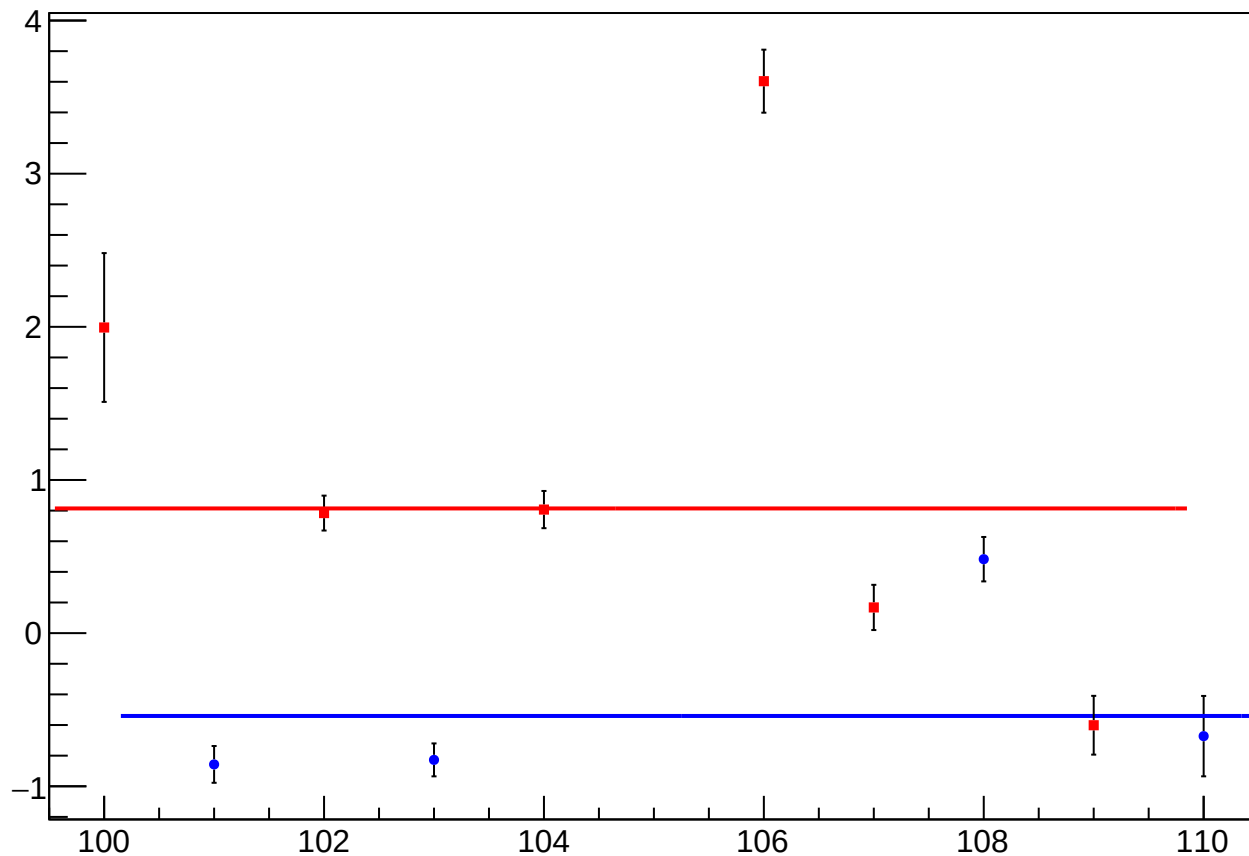
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-101.090+/-1.593  $\chi^2$ /NDF: 567.6/3

-13.535+/-1.168  $\chi^2$ /NDF: 7694.8/9

88.335+/-1.719  $\chi^2$ /NDF: 593.2/5

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.541+/-0.068  $\chi^2/\text{NDF}$ : 64.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.814+/-0.064  $\chi^2/\text{NDF}$ : 263.4/5

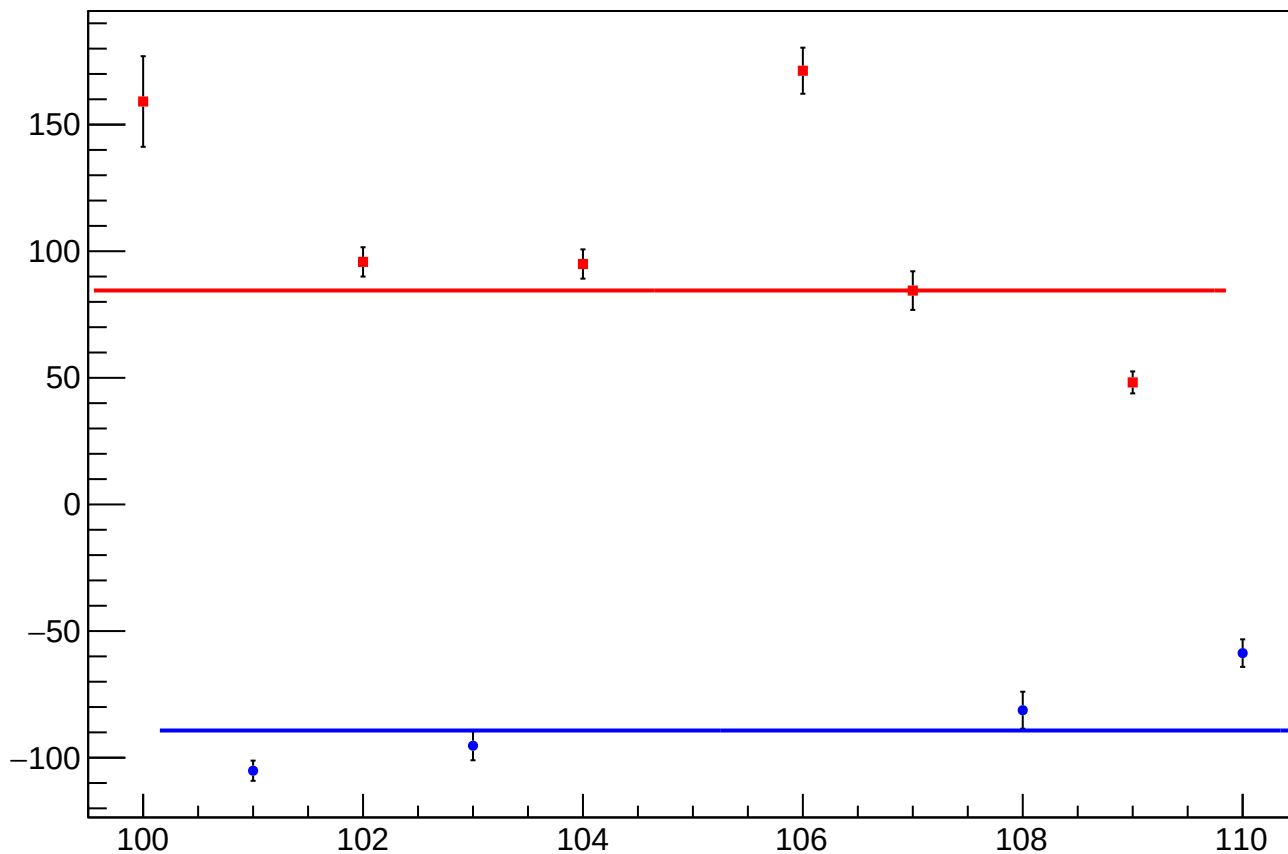
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.541+/-0.068  $\chi^2/\text{NDF}$ : 64.1/3

0.177+/-0.046  $\chi^2/\text{NDF}$ : 539.6/9

0.814+/-0.064  $\chi^2/\text{NDF}$ : 263.4/5

reg\_asym\_sam\_26\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -89.266 $\pm$ 2.618  $\chi^2$ /NDF: 49.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 84.490 $\pm$ 2.623  $\chi^2$ /NDF: 185.5/5

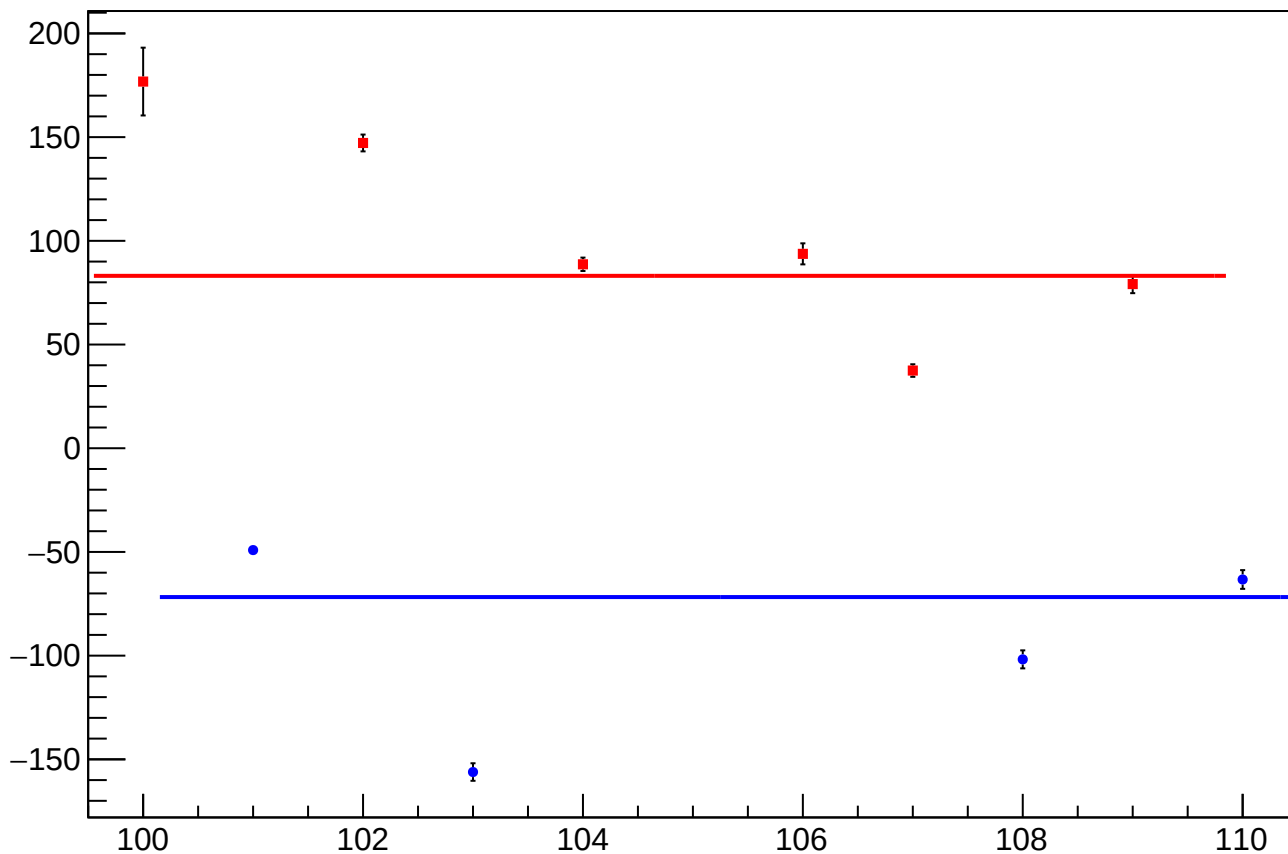
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-89.266 $\pm$ 2.618  $\chi^2$ /NDF: 49.7/3

-2.532 $\pm$ 1.853  $\chi^2$ /NDF: 2433.7/9

84.490 $\pm$ 2.623  $\chi^2$ /NDF: 185.5/5

reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -71.755 $\pm$ 1.546  $\chi^2$ /NDF: 583.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 83.124 $\pm$ 1.666  $\chi^2$ /NDF: 518.0/5

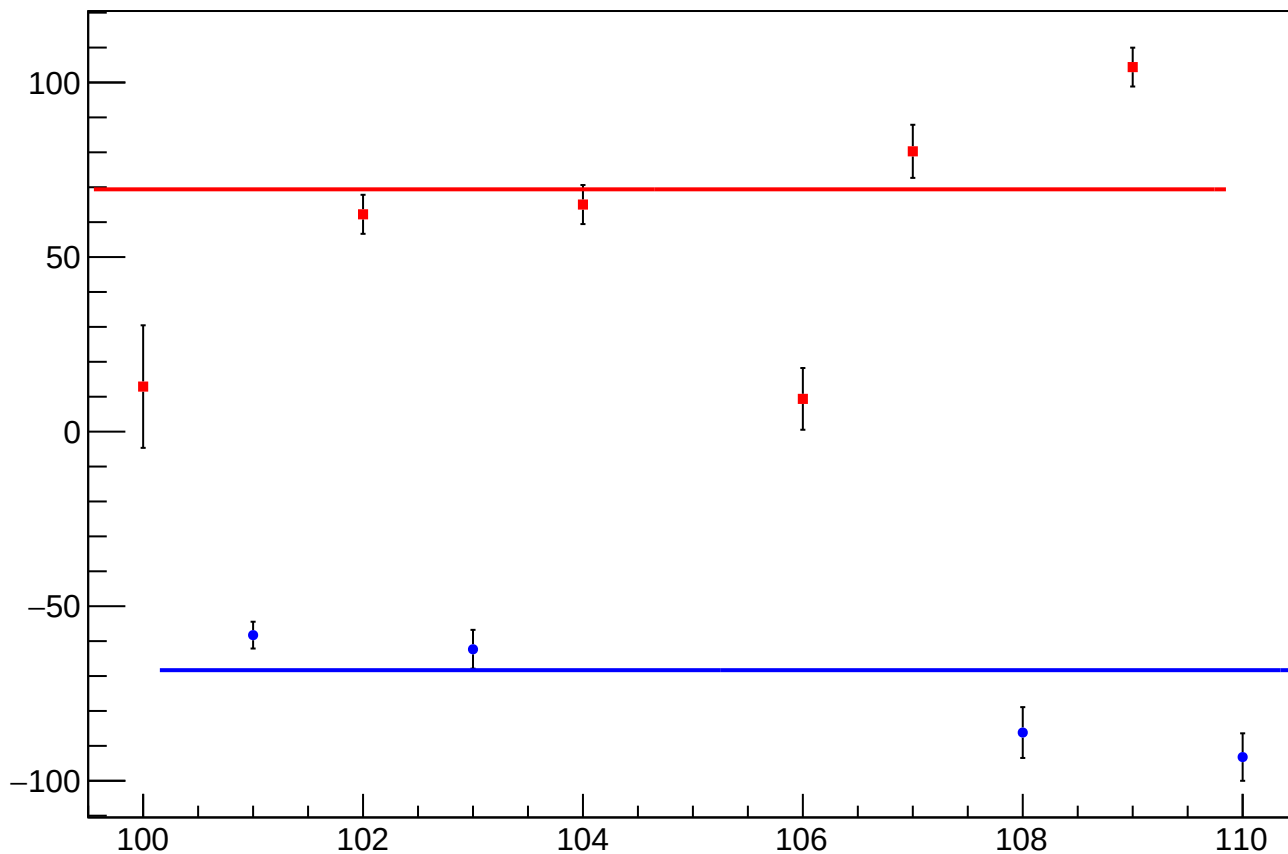
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-71.755 $\pm$ 1.546  $\chi^2$ /NDF: 583.3/3

-0.117 $\pm$ 1.133  $\chi^2$ /NDF: 5745.5/9

83.124 $\pm$ 1.666  $\chi^2$ /NDF: 518.0/5

reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-68.320 \pm 2.665$   $\chi^2/\text{NDF}$ : 27.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $69.399 \pm 2.778$   $\chi^2/\text{NDF}$ : 100.3/5

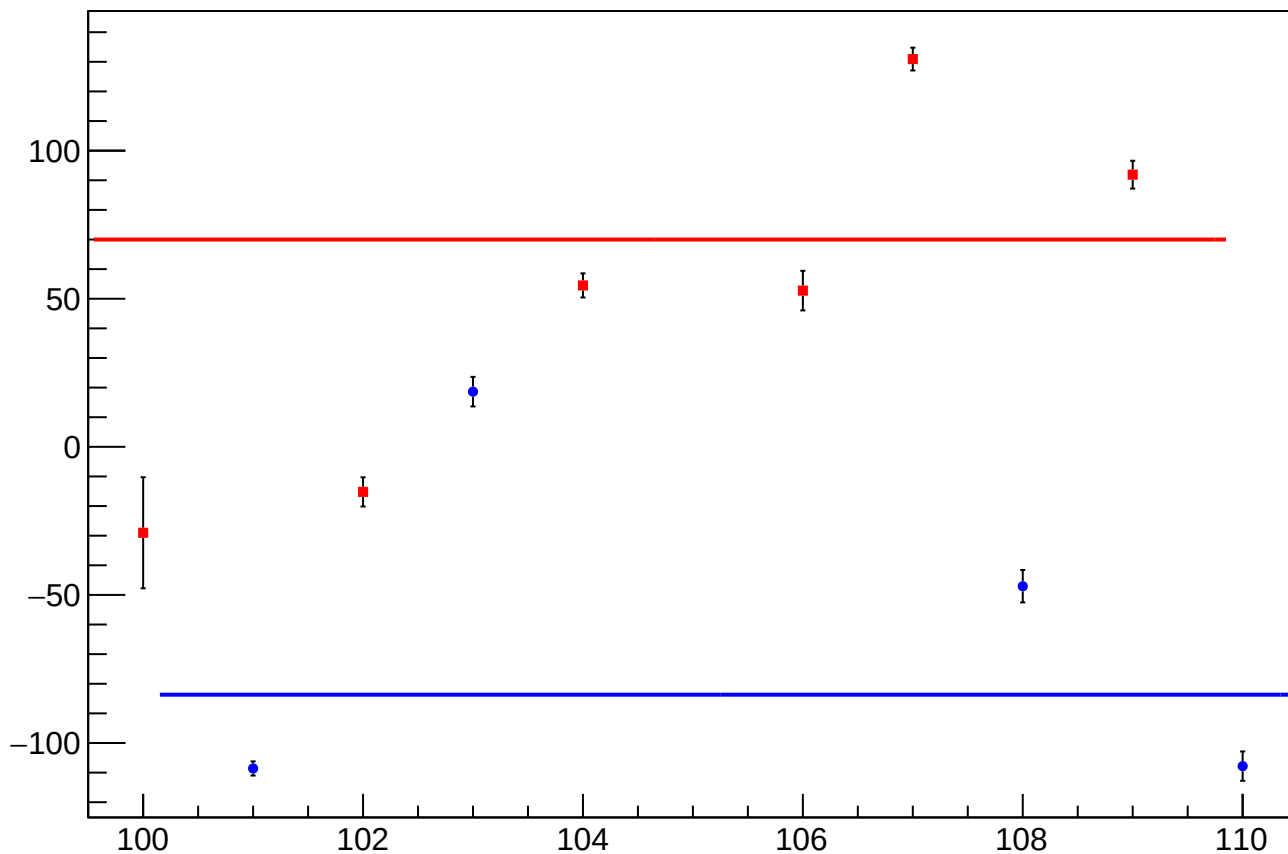
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-68.320 \pm 2.665$   $\chi^2/\text{NDF}$ : 27.4/3

$-2.310 \pm 1.923$   $\chi^2/\text{NDF}$ : 1407.6/9

$69.399 \pm 2.778$   $\chi^2/\text{NDF}$ : 100.3/5

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -83.689+/-1.861  $\chi^2/\text{NDF}$ : 596.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 69.992+/-2.044  $\chi^2/\text{NDF}$ : 619.1/5

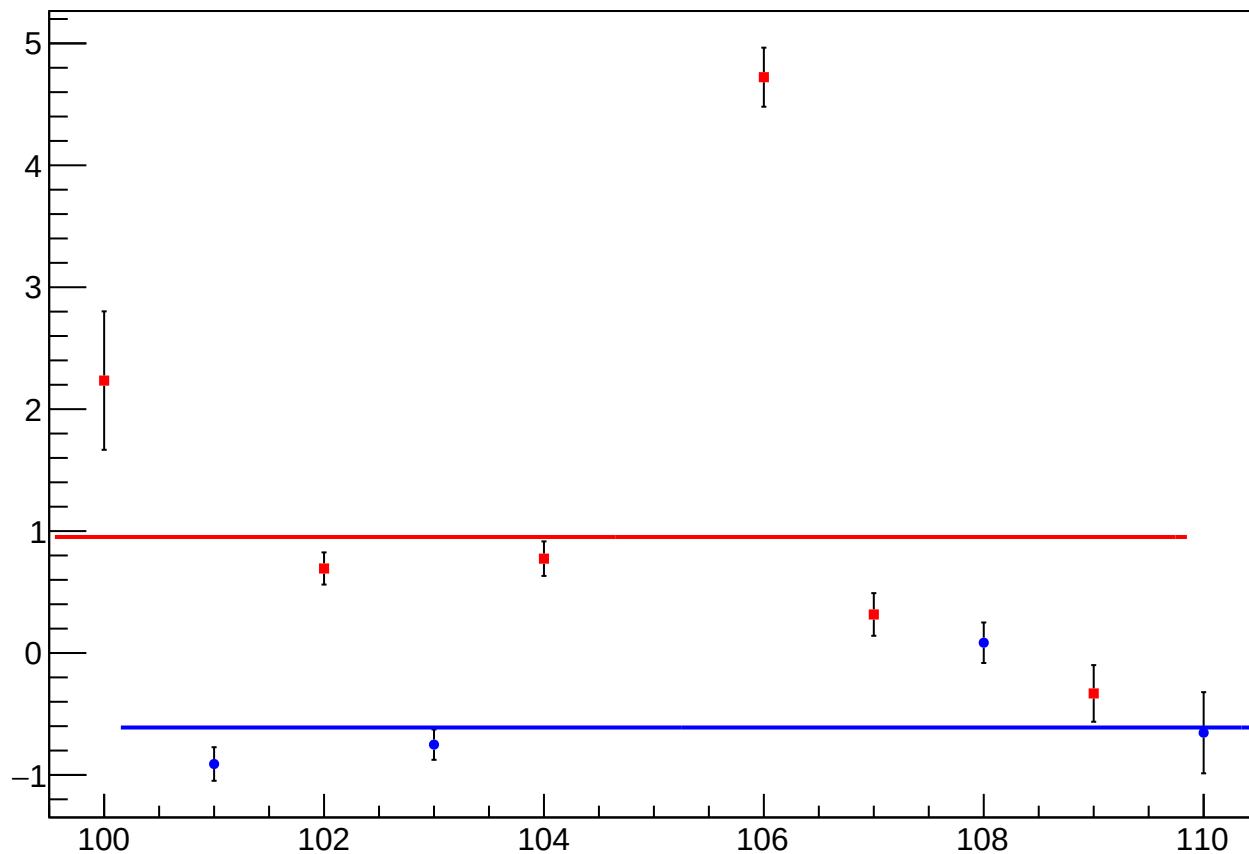
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-83.689+/-1.861  $\chi^2/\text{NDF}$ : 596.8/3

-14.033+/-1.376  $\chi^2/\text{NDF}$ : 4307.4/9

69.992+/-2.044  $\chi^2/\text{NDF}$ : 619.1/5

reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.611+/-0.078  $\chi^2$ /NDF: 23.5/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.952+/-0.075  $\chi^2$ /NDF: 296.7/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

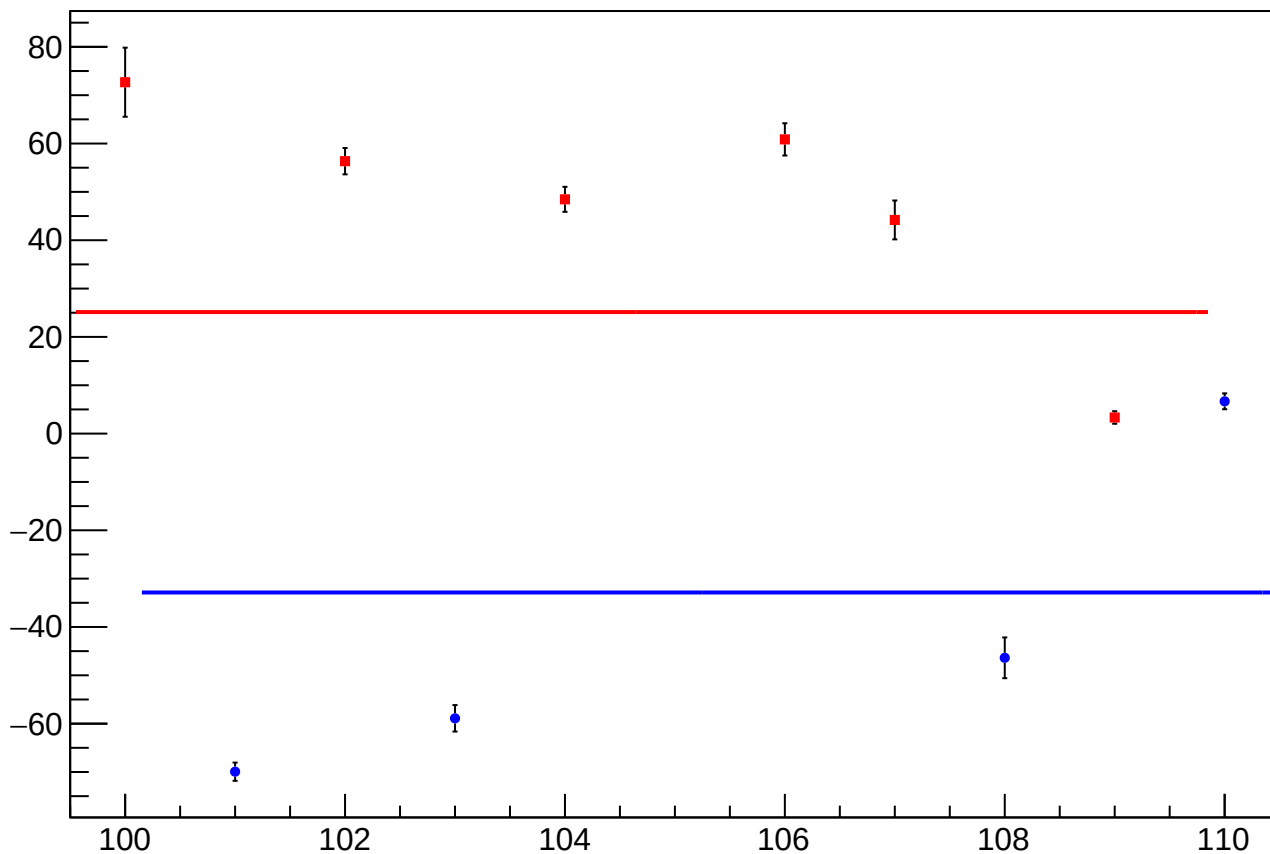
-0.611+/-0.078  $\chi^2$ /NDF: 23.5/3

0.208+/-0.054  $\chi^2$ /NDF: 528.0/9

0.952+/-0.075  $\chi^2$ /NDF: 296.7/5



reg\_asym\_sam\_48\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -32.869+/-1.090  $\chi^2/\text{NDF}$ : 1066.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 25.139+/-0.975  $\chi^2/\text{NDF}$ : 677.4/5

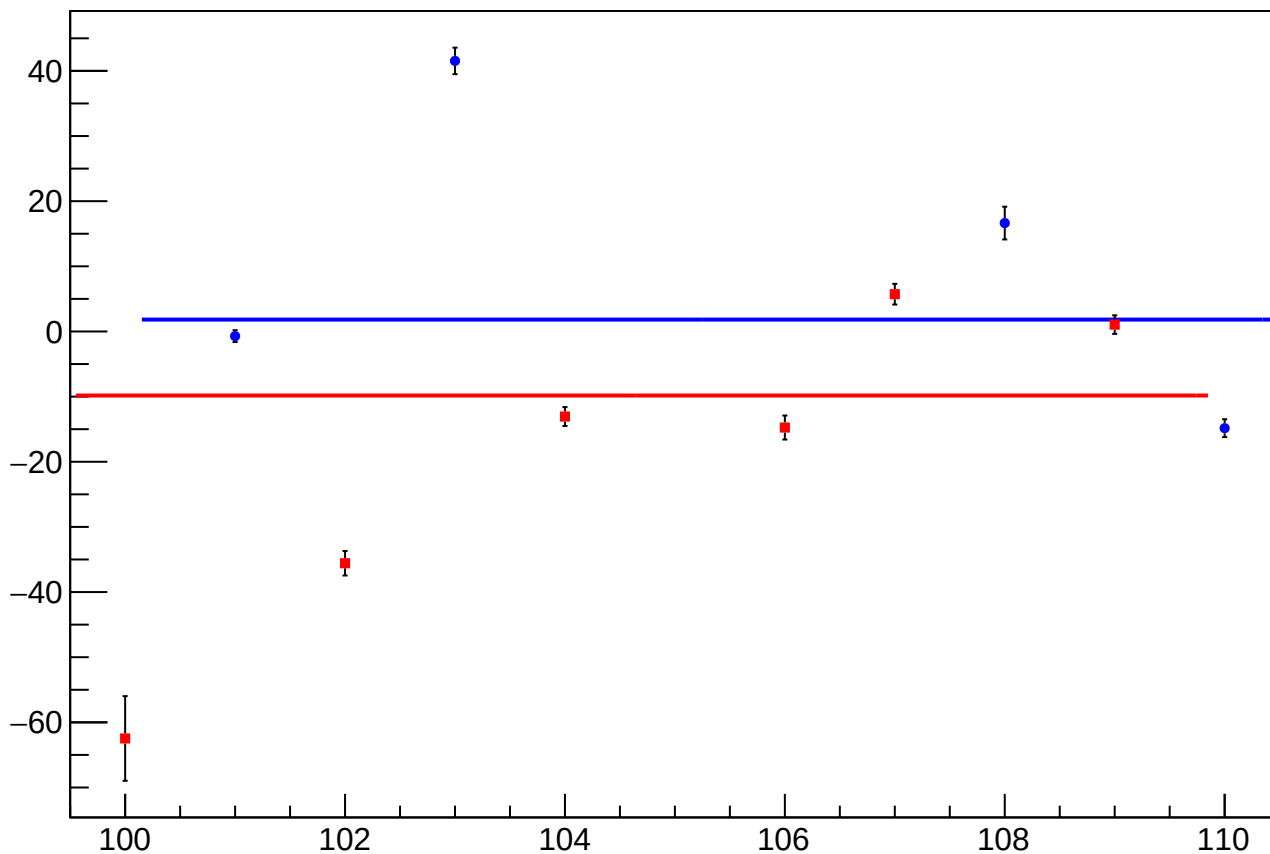
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-32.869+/-1.090  $\chi^2/\text{NDF}$ : 1066.6/3

-0.644+/-0.727  $\chi^2/\text{NDF}$ : 3316.8/9

25.139+/-0.975  $\chi^2/\text{NDF}$ : 677.4/5

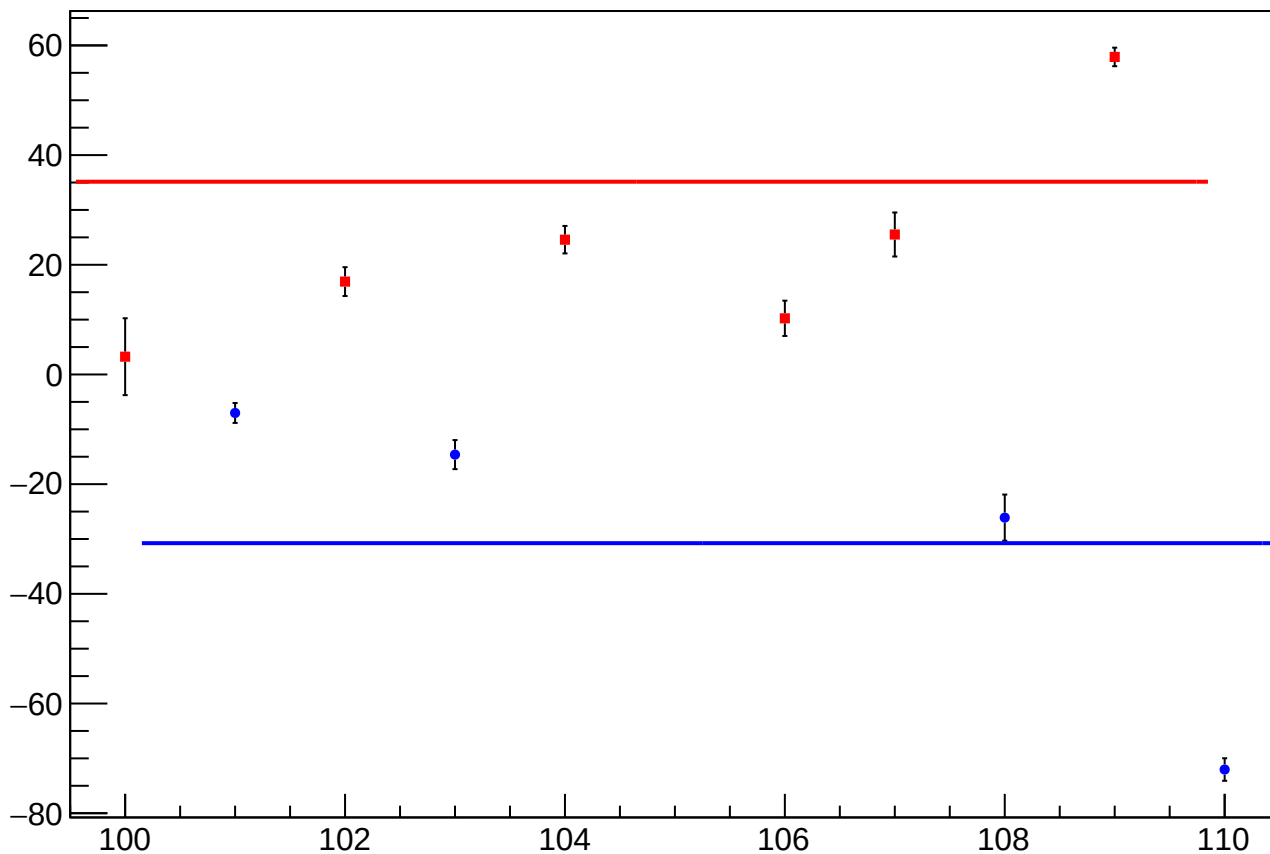
reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.825+/-0.683  $\chi^2/\text{NDF}$ : 572.6/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -9.833+/-0.713  $\chi^2/\text{NDF}$ : 419.4/5  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.825+/-0.683  $\chi^2/\text{NDF}$ : 572.6/3  
 -3.756+/-0.493  $\chi^2/\text{NDF}$ : 1131.3/9  
 -9.833+/-0.713  $\chi^2/\text{NDF}$ : 419.4/5

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -30.762 $\pm$ 1.164  $\chi^2$ /NDF: 612.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 35.149 $\pm$ 1.096  $\chi^2$ /NDF: 333.3/5

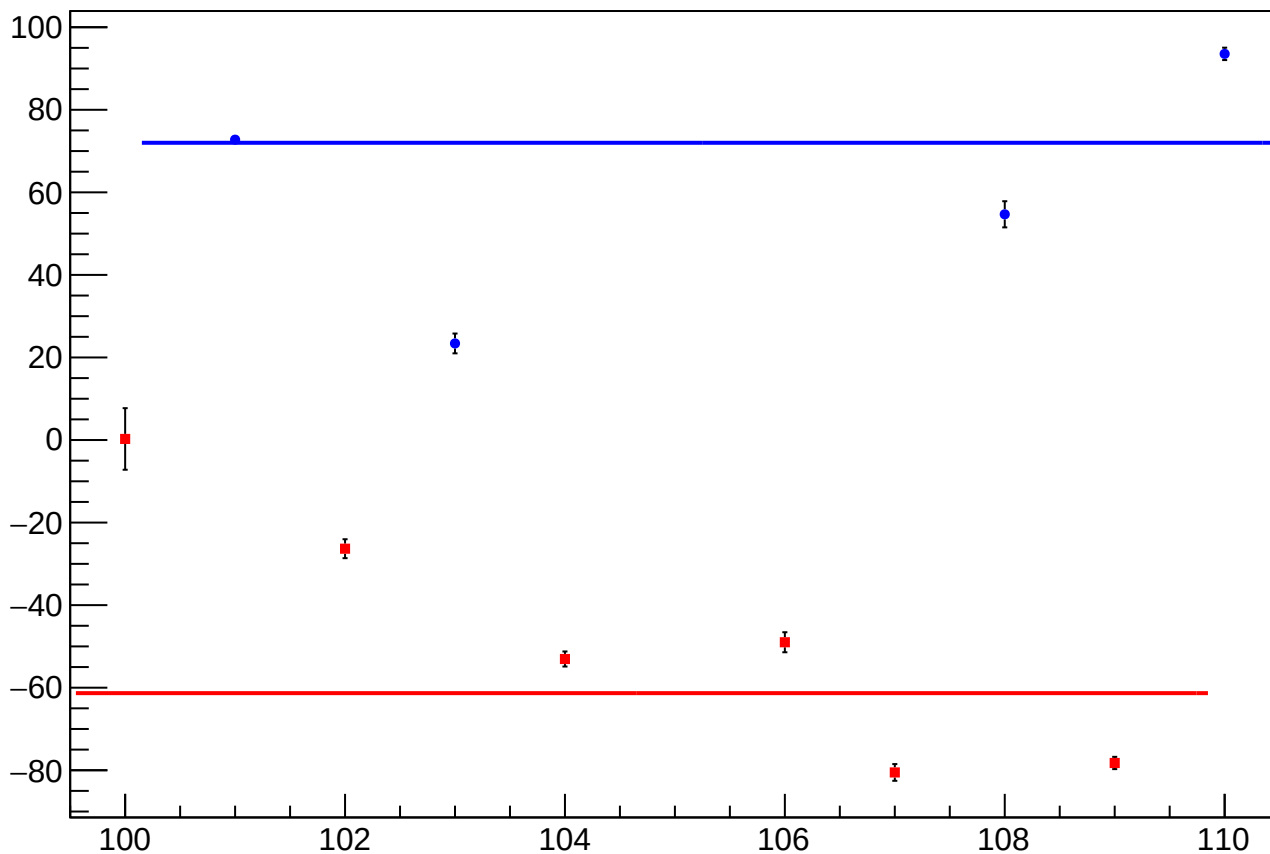
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

-30.762 $\pm$ 1.164  $\chi^2$ /NDF: 612.1/3

4.170 $\pm$ 0.798  $\chi^2$ /NDF: 2646.0/9

35.149 $\pm$ 1.096  $\chi^2$ /NDF: 333.3/5

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 72.007 $\pm$ 0.810  $\chi^2$ /NDF: 646.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -61.321 $\pm$ 0.853  $\chi^2$ /NDF: 566.6/5

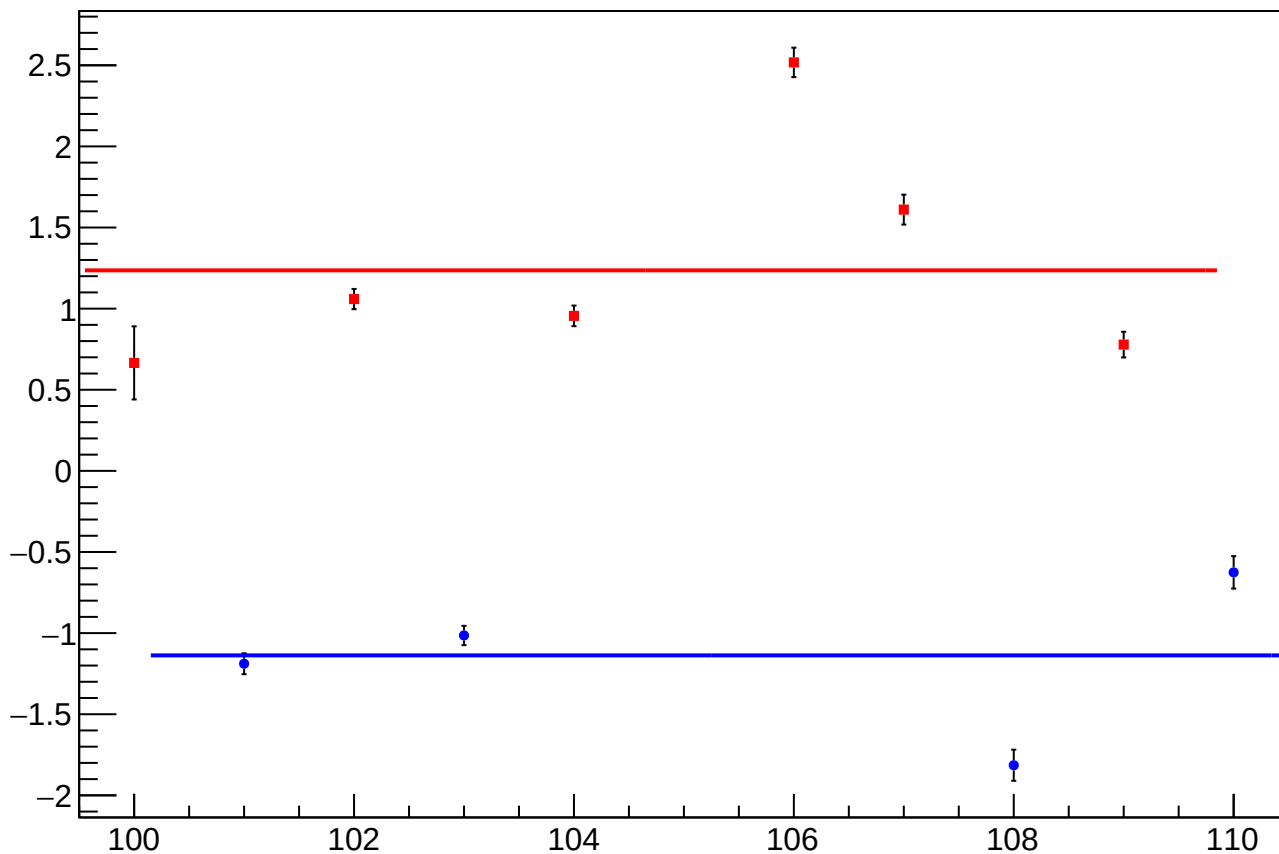
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

72.007 $\pm$ 0.810  $\chi^2$ /NDF: 646.3/3

8.827 $\pm$ 0.587  $\chi^2$ /NDF: 14067.5/9

-61.321 $\pm$ 0.853  $\chi^2$ /NDF: 566.6/5

reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.137 $\pm$ 0.037  $\chi^2$ /NDF: 81.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.236 $\pm$ 0.033  $\chi^2$ /NDF: 283.1/5

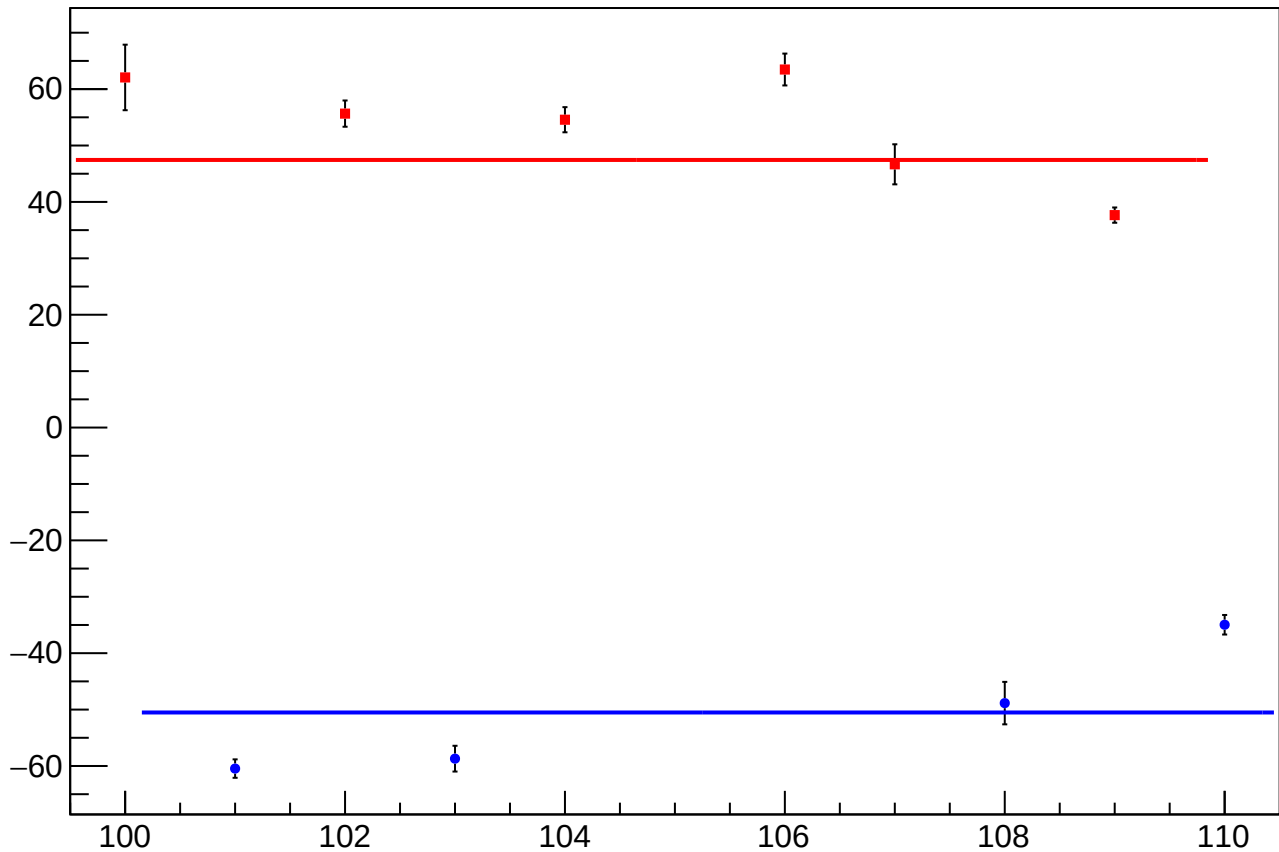
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-1.137 $\pm$ 0.037  $\chi^2$ /NDF: 81.0/3

0.186 $\pm$ 0.025  $\chi^2$ /NDF: 2666.8/9

1.236 $\pm$ 0.033  $\chi^2$ /NDF: 283.1/5

reg\_asym\_sam\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -50.514 $\pm$ 1.015  $\chi^2$ /NDF: 130.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 47.442 $\pm$ 0.926  $\chi^2$ /NDF: 113.5/5

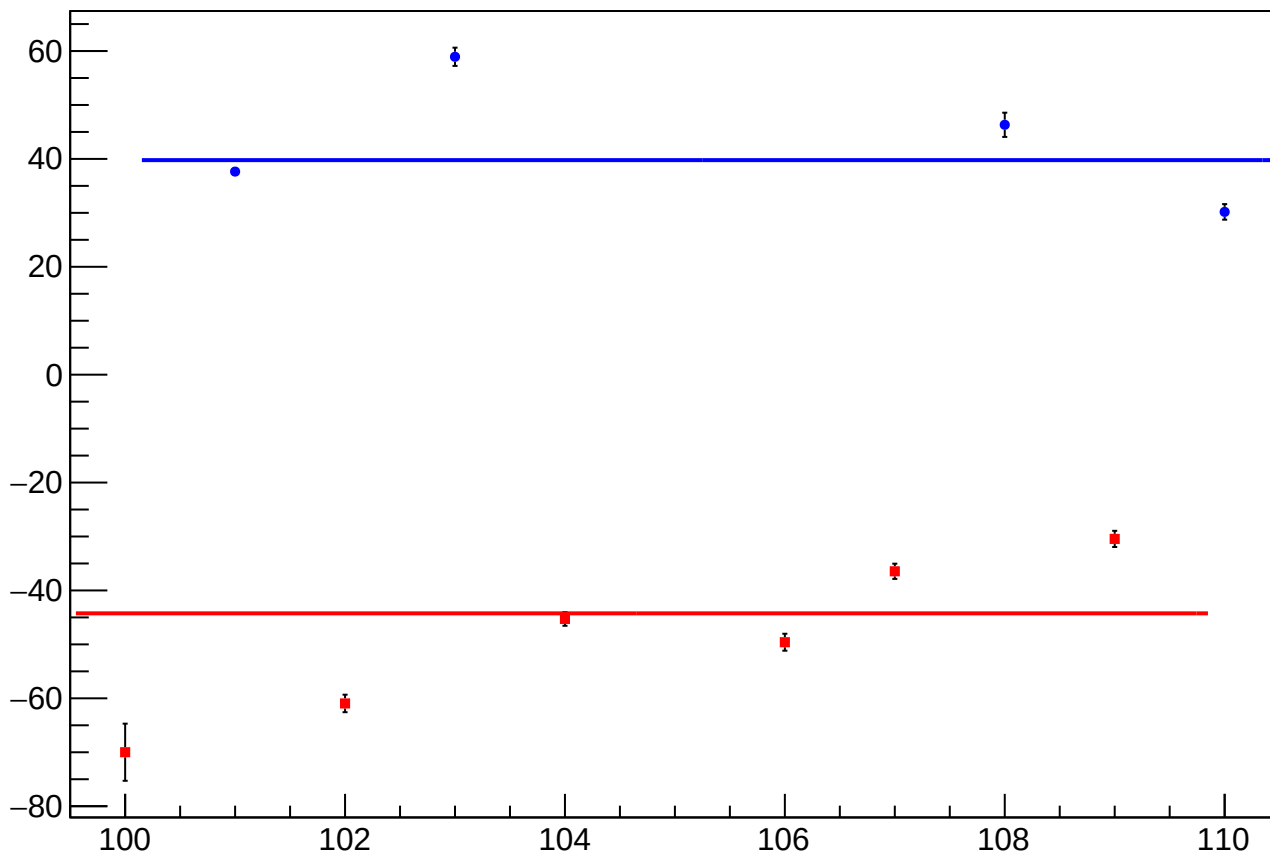
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-50.514 $\pm$ 1.015  $\chi^2$ /NDF: 130.6/3

2.965 $\pm$ 0.684  $\chi^2$ /NDF: 5324.1/9

47.442 $\pm$ 0.926  $\chi^2$ /NDF: 113.5/5

reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 39.775 $\pm$ 0.617  $\chi^2$ /NDF: 188.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -44.247 $\pm$ 0.648  $\chi^2$ /NDF: 256.8/5

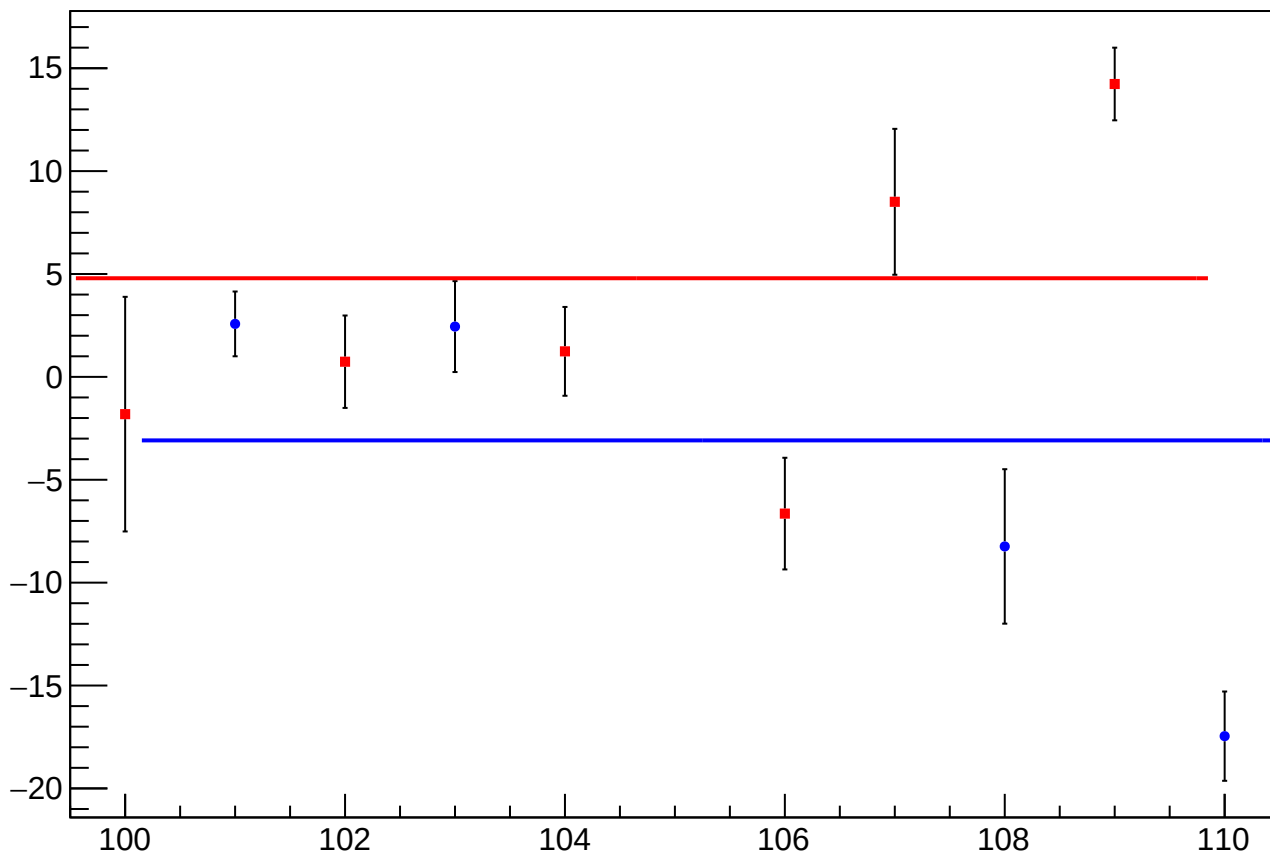
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

39.775 $\pm$ 0.617  $\chi^2$ /NDF: 188.4/3

-0.187 $\pm$ 0.447  $\chi^2$ /NDF: 9264.3/9

-44.247 $\pm$ 0.648  $\chi^2$ /NDF: 256.8/5

reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -3.087+/-1.059  $\chi^2/\text{NDF}$ : 65.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.793+/-1.010  $\chi^2/\text{NDF}$ : 54.8/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

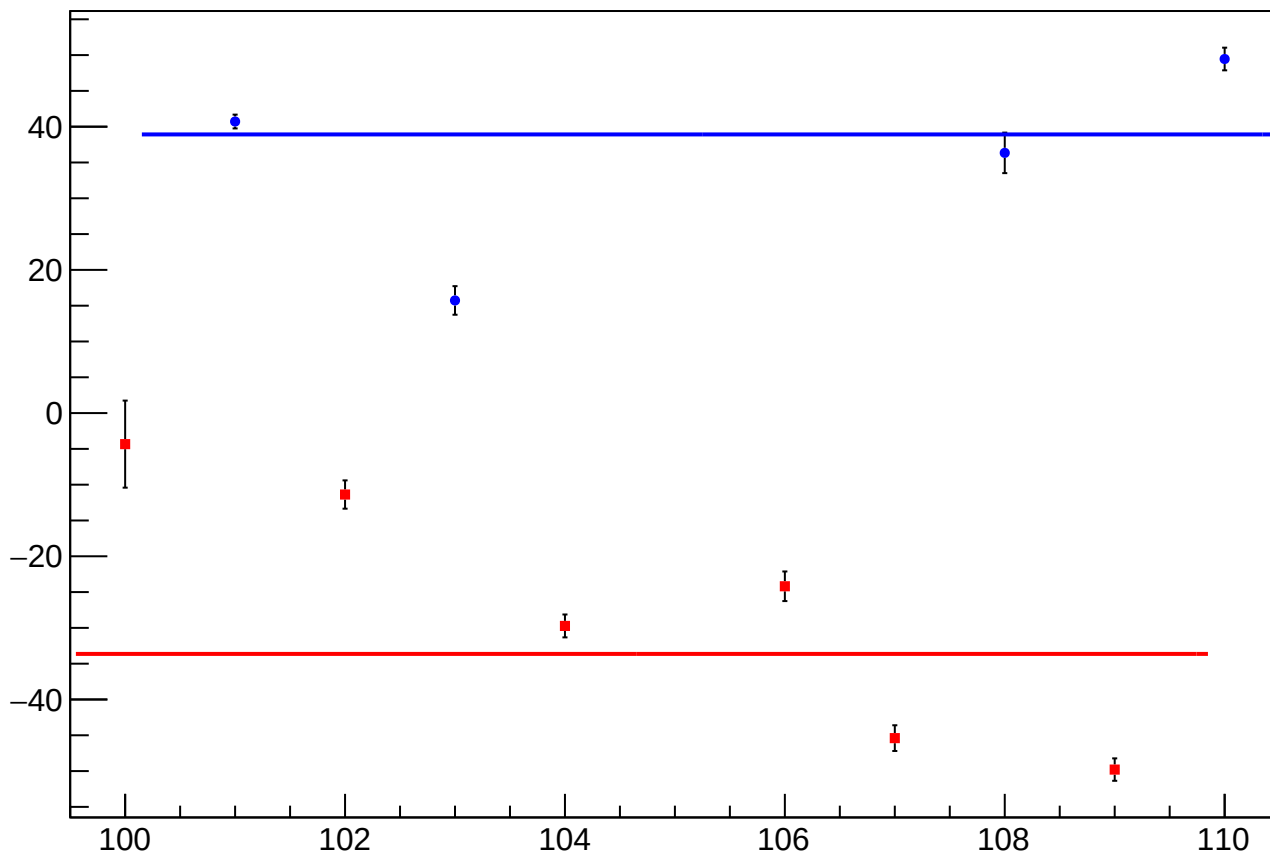
-3.087+/-1.059  $\chi^2/\text{NDF}$ : 65.0/3

1.038+/-0.731  $\chi^2/\text{NDF}$ : 148.7/9

4.793+/-1.010  $\chi^2/\text{NDF}$ : 54.8/5



reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $38.919 \pm 0.735$   $\chi^2/\text{NDF}: 183.5/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-33.636 \pm 0.784$   $\chi^2/\text{NDF}: 326.1/5$

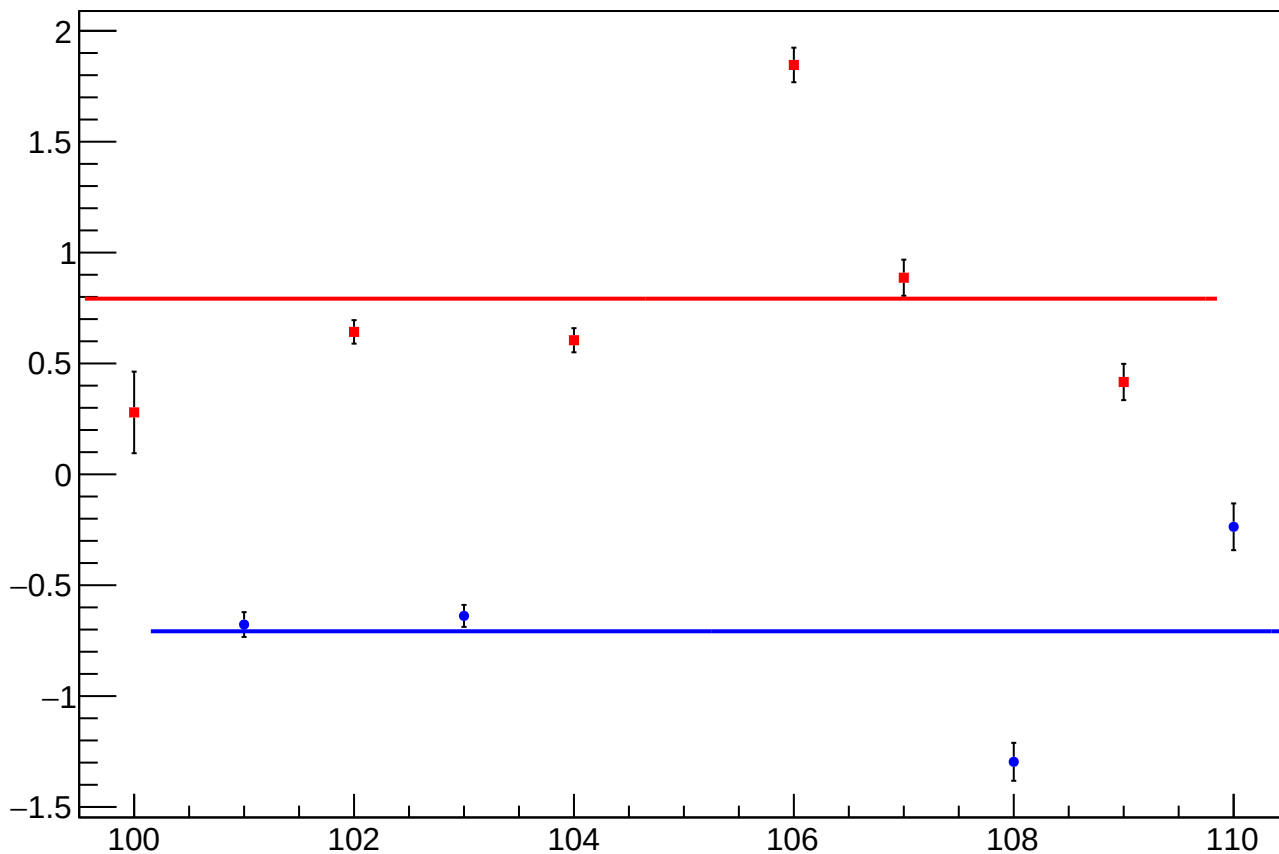
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$38.919 \pm 0.735$   $\chi^2/\text{NDF}: 183.5/3$

$4.975 \pm 0.537$   $\chi^2/\text{NDF}: 5062.7/9$

$-33.636 \pm 0.784$   $\chi^2/\text{NDF}: 326.1/5$

reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.708 \pm 0.032$   $\chi^2/\text{NDF}$ : 69.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.792 \pm 0.029$   $\chi^2/\text{NDF}$ : 233.1/5

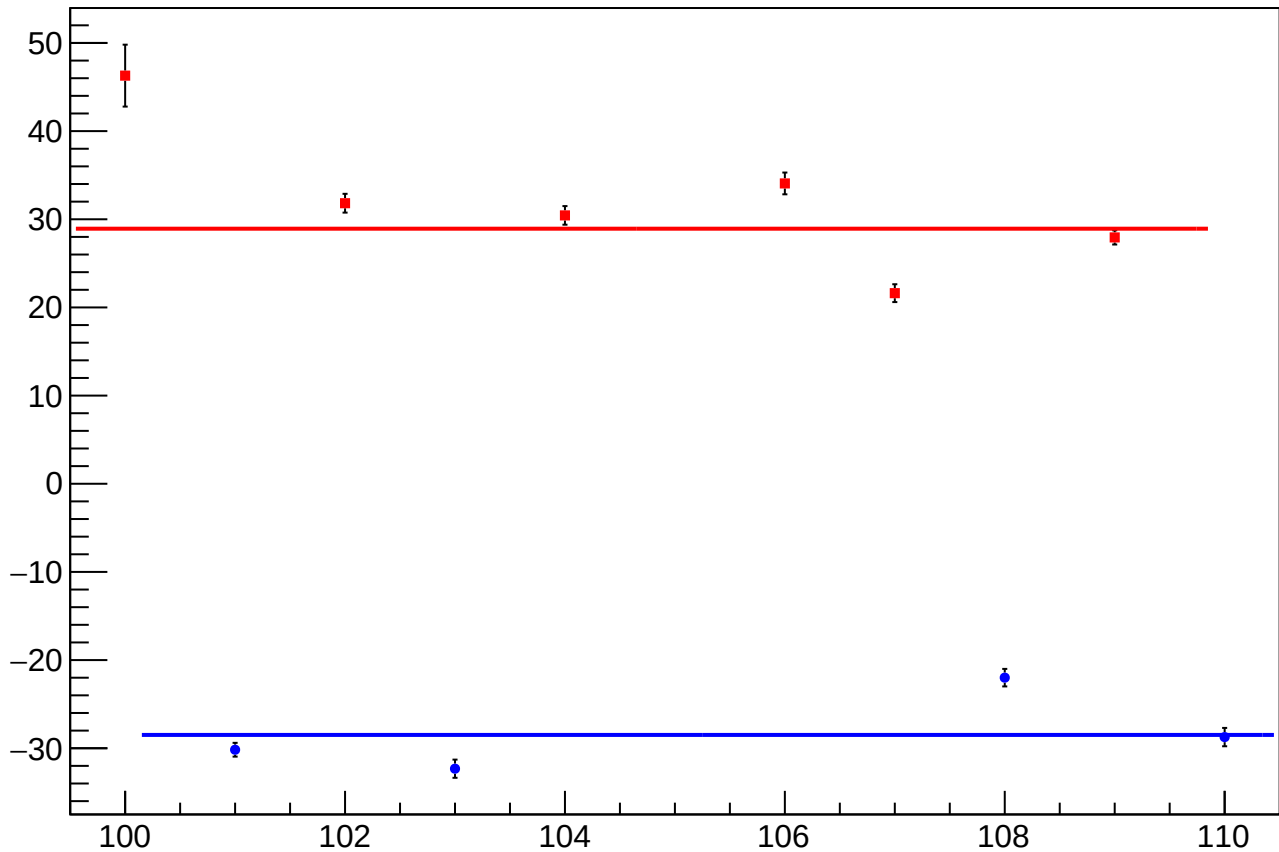
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.708 \pm 0.032$   $\chi^2/\text{NDF}$ : 69.5/3

$0.124 \pm 0.022$   $\chi^2/\text{NDF}$ : 1492.7/9

$0.792 \pm 0.029$   $\chi^2/\text{NDF}$ : 233.1/5

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-28.490 \pm 0.471$   $\chi^2/\text{NDF}$ : 61.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $28.932 \pm 0.445$   $\chi^2/\text{NDF}$ : 104.9/5

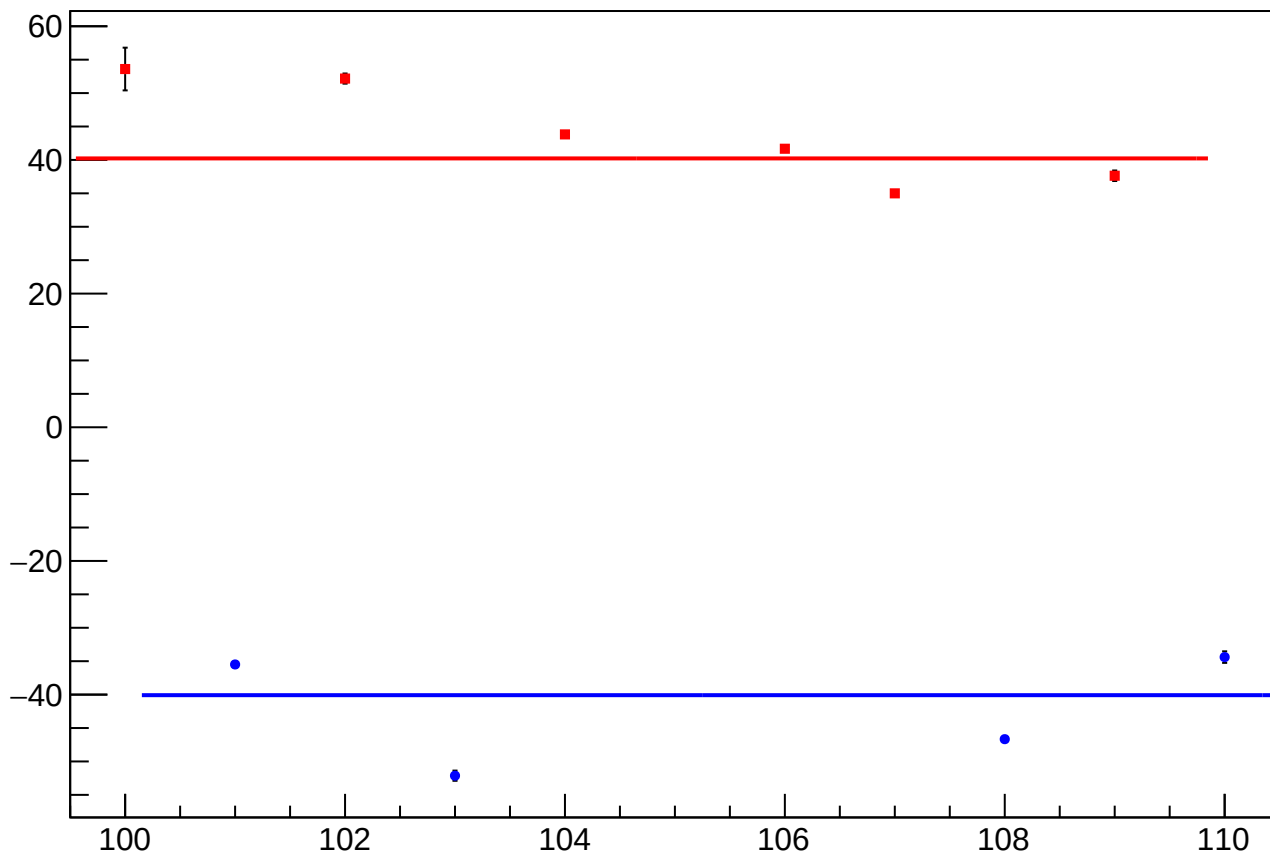
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-28.490 \pm 0.471$   $\chi^2/\text{NDF}$ : 61.2/3

$1.799 \pm 0.324$   $\chi^2/\text{NDF}$ : 8017.3/9

$28.932 \pm 0.445$   $\chi^2/\text{NDF}$ : 104.9/5

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -40.084+/-0.280  $\chi^2/\text{NDF}$ : 561.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.225+/-0.266  $\chi^2/\text{NDF}$ : 477.3/5

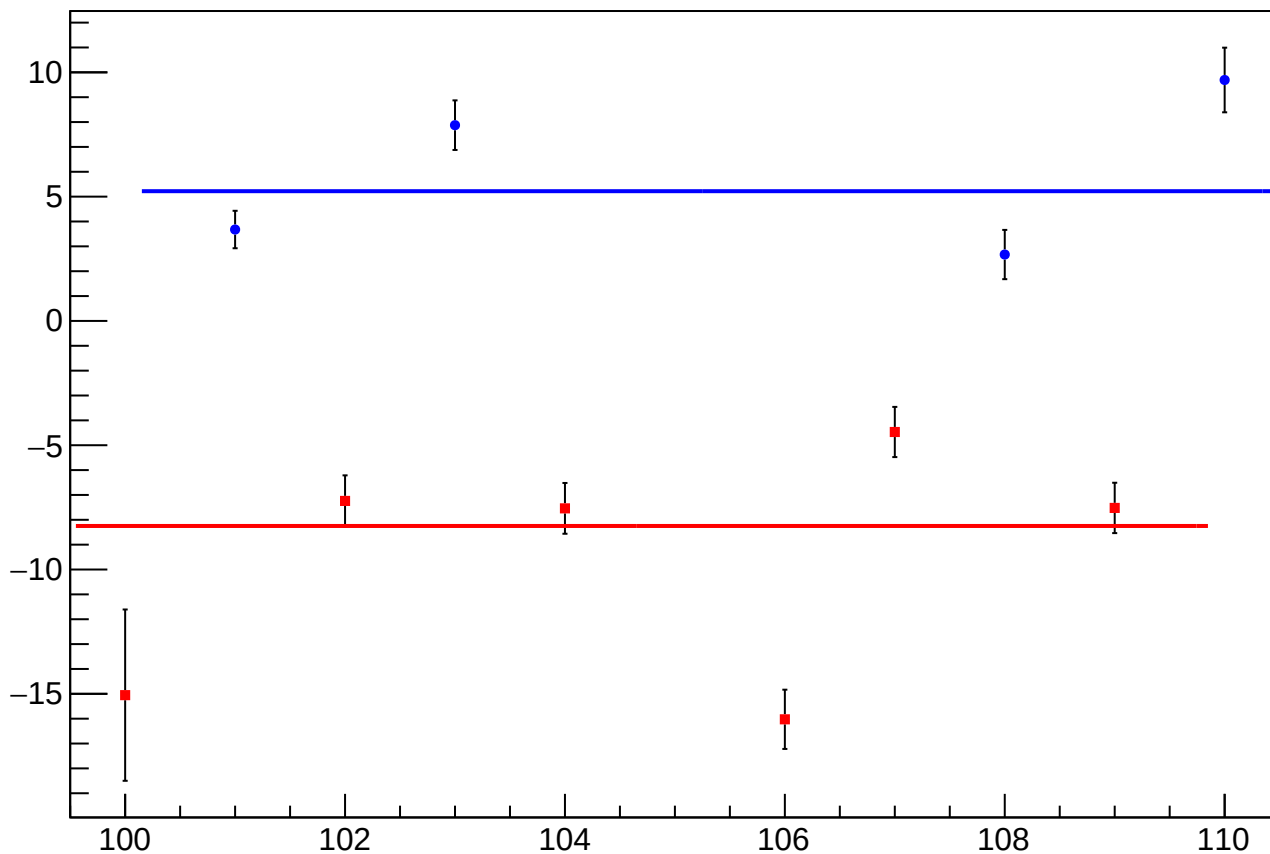
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-40.084+/-0.280  $\chi^2/\text{NDF}$ : 561.2/3

2.130+/-0.193  $\chi^2/\text{NDF}$ : 44429.6/9

40.225+/-0.266  $\chi^2/\text{NDF}$ : 477.3/5

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 5.219+/-0.478  $\chi^2/\text{NDF}$ : 29.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -8.248+/-0.464  $\chi^2/\text{NDF}$ : 62.5/5

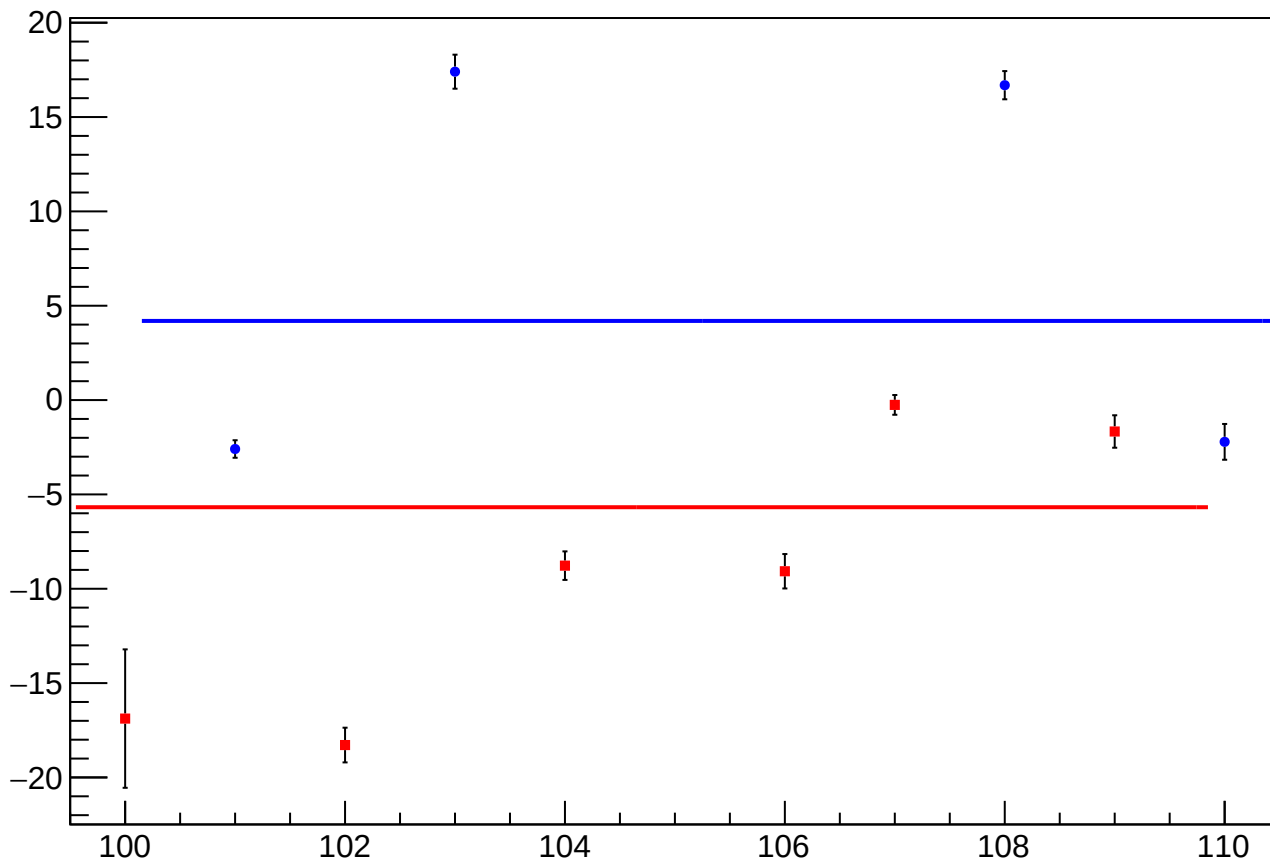
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.219+/-0.478  $\chi^2/\text{NDF}$ : 29.7/3

-1.715+/-0.333  $\chi^2/\text{NDF}$ : 501.1/9

-8.248+/-0.464  $\chi^2/\text{NDF}$ : 62.5/5

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.194+/-0.338  $\chi^2/\text{NDF}$ : 753.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.679+/-0.330  $\chi^2/\text{NDF}$ : 356.9/5

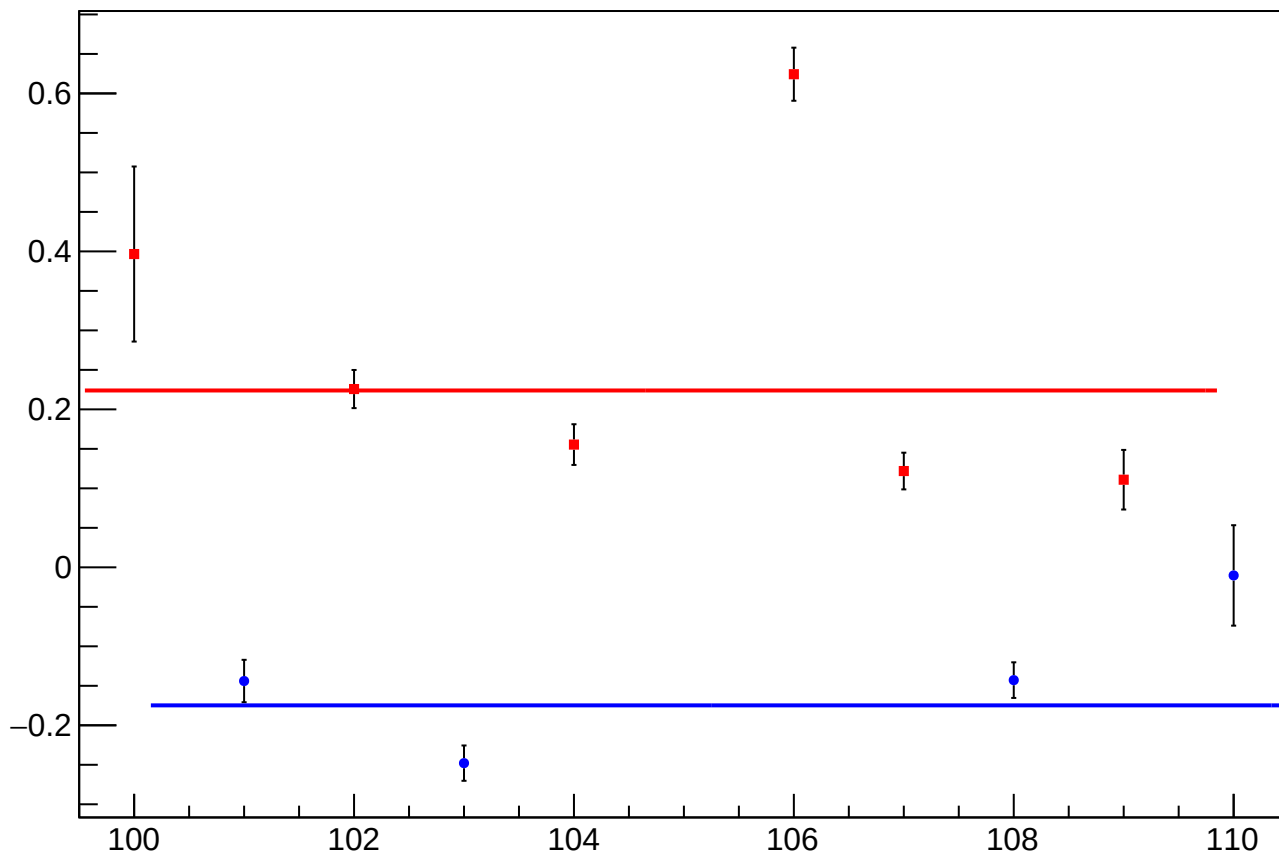
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.194+/-0.338  $\chi^2/\text{NDF}$ : 753.2/3

-0.864+/-0.236  $\chi^2/\text{NDF}$ : 1548.1/9

-5.679+/-0.330  $\chi^2/\text{NDF}$ : 356.9/5

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.175 $\pm$ 0.013  $\chi^2$ /NDF: 20.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.224 $\pm$ 0.012  $\chi^2$ /NDF: 179.7/5

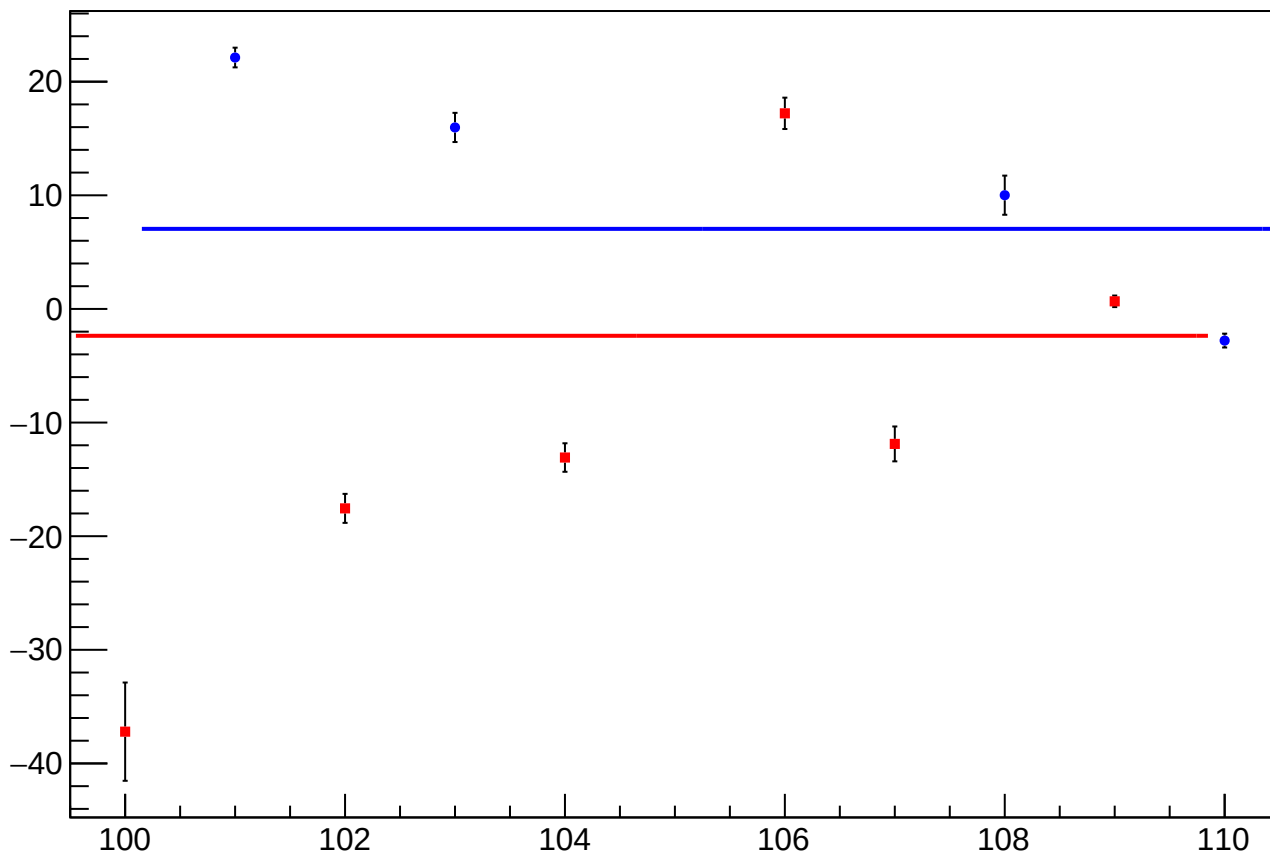
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

-0.175 $\pm$ 0.013  $\chi^2$ /NDF: 20.7/3

0.043 $\pm$ 0.009  $\chi^2$ /NDF: 686.8/9

0.224 $\pm$ 0.012  $\chi^2$ /NDF: 179.7/5

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 7.047 $\pm$ 0.449  $\chi^2$ /NDF: 614.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2.364 $\pm$ 0.404  $\chi^2$ /NDF: 554.9/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

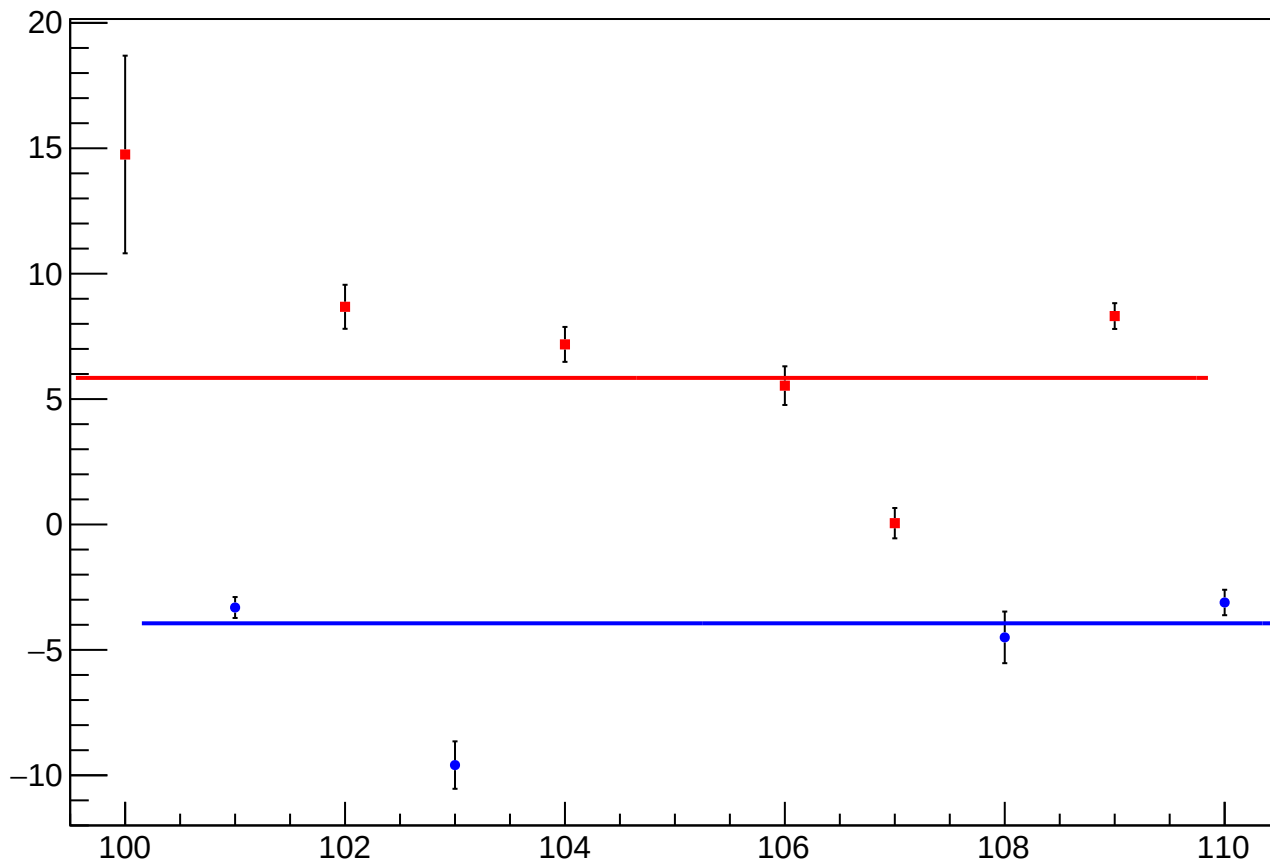
7.047 $\pm$ 0.449  $\chi^2$ /NDF: 614.0/3

1.849 $\pm$ 0.300  $\chi^2$ /NDF: 1411.8/9

-2.364 $\pm$ 0.404  $\chi^2$ /NDF: 554.9/5



reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.940+/-0.292  $\chi^2$ /NDF: 41.0/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 5.845+/-0.293  $\chi^2$ /NDF: 134.1/5

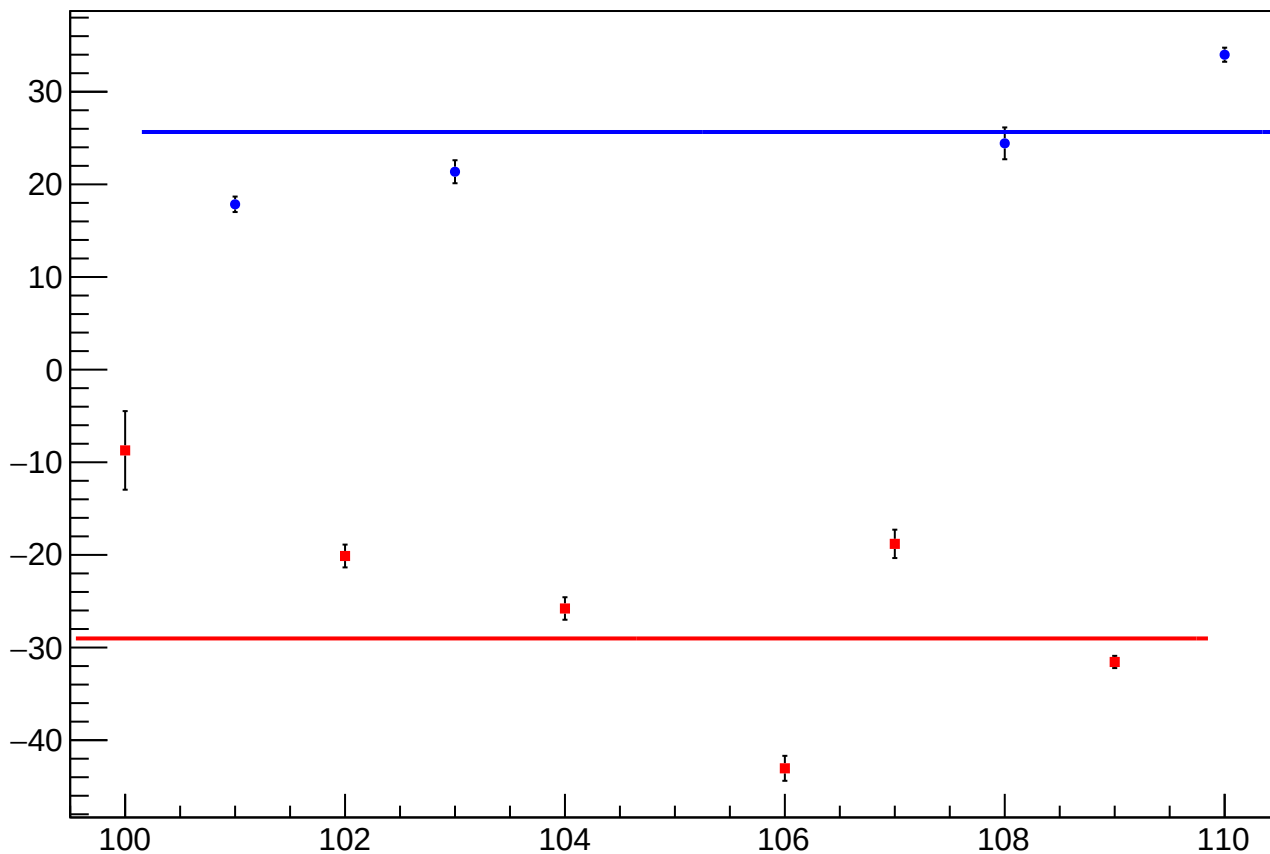
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-3.940+/-0.292  $\chi^2$ /NDF: 41.0/3

0.938+/-0.207  $\chi^2$ /NDF: 733.1/9

5.845+/-0.293  $\chi^2$ /NDF: 134.1/5

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 25.654+/-0.491  $\chi^2$ /NDF: 219.7/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -29.020+/-0.463  $\chi^2$ /NDF: 249.6/5

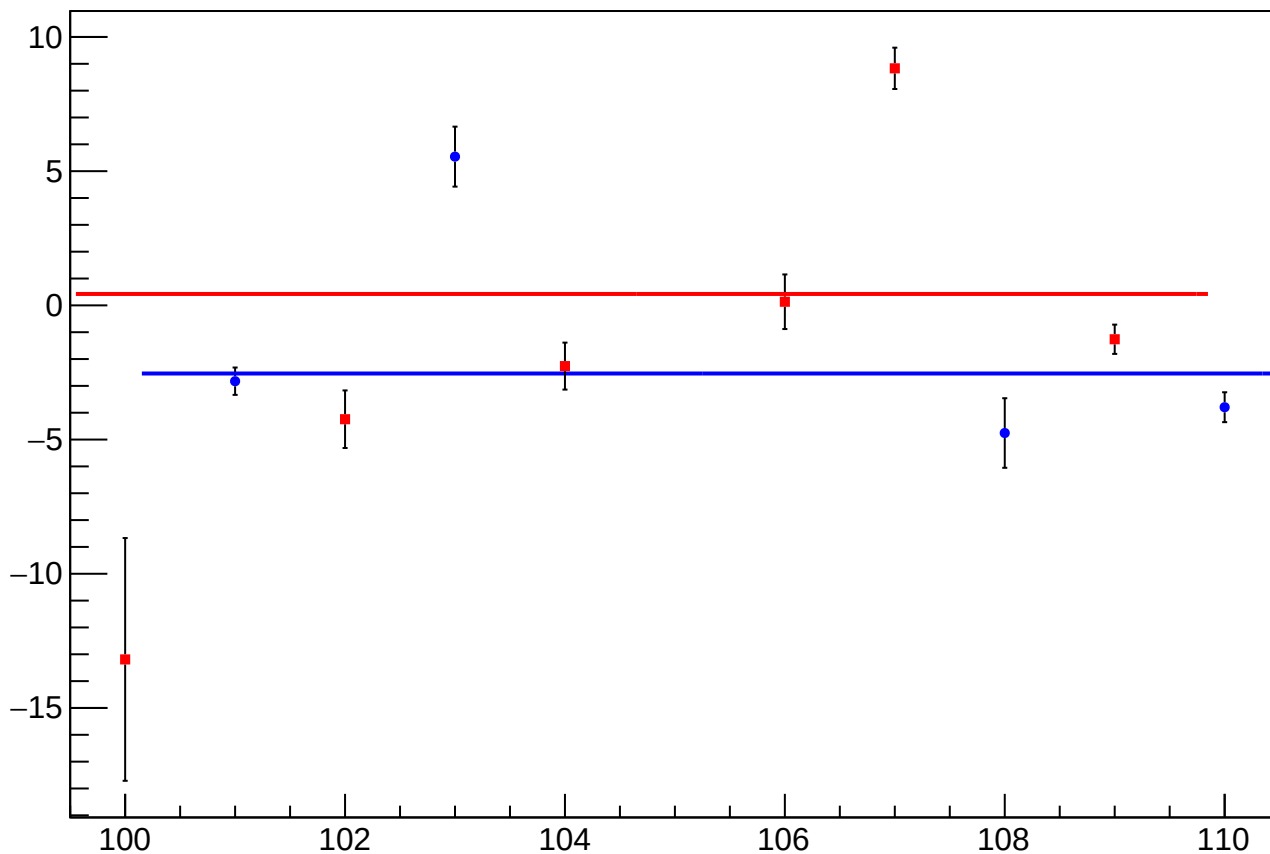
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

25.654+/-0.491  $\chi^2$ /NDF: 219.7/3

-3.291+/-0.337  $\chi^2$ /NDF: 7028.5/9

-29.020+/-0.463  $\chi^2$ /NDF: 249.6/5

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.539+/-0.344  $\chi^2/\text{NDF}$ : 60.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.425+/-0.348  $\chi^2/\text{NDF}$ : 166.3/5

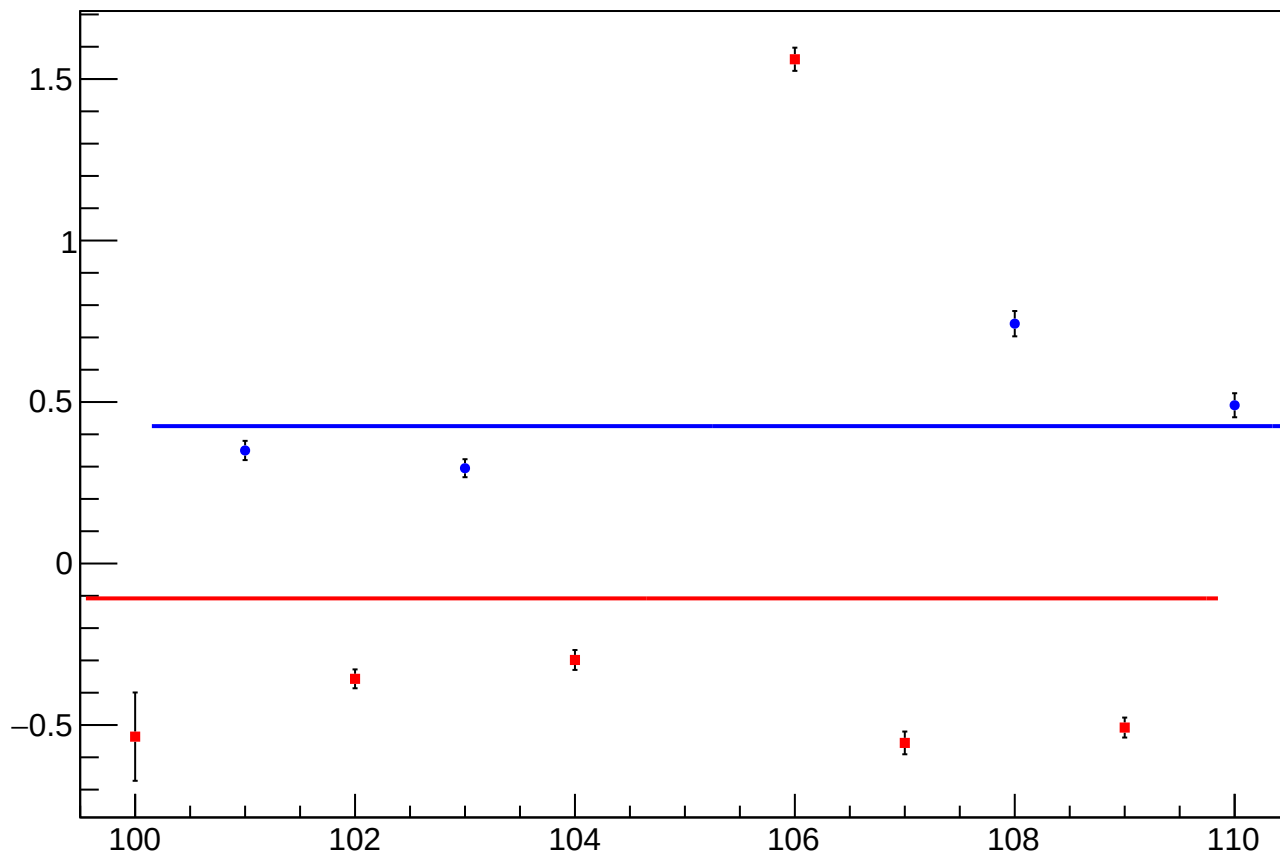
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.539+/-0.344  $\chi^2/\text{NDF}$ : 60.6/3

-1.078+/-0.245  $\chi^2/\text{NDF}$ : 263.6/9

0.425+/-0.348  $\chi^2/\text{NDF}$ : 166.3/5

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.425+/-0.016  $\chi^2/\text{NDF}$ : 96.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.108+/-0.014  $\chi^2/\text{NDF}$ : 2612.8/5

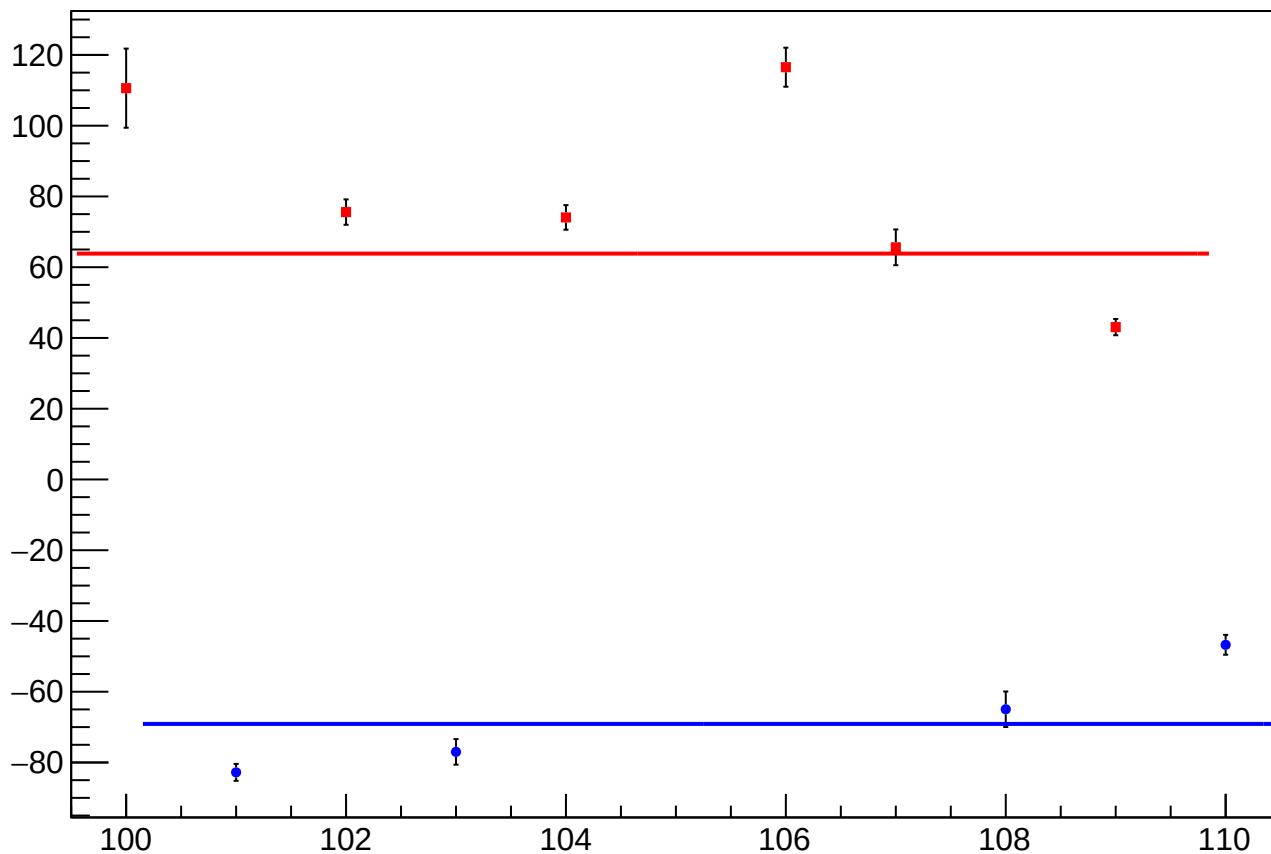
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.425+/-0.016  $\chi^2/\text{NDF}$ : 96.8/3

0.124+/-0.011  $\chi^2/\text{NDF}$ : 3318.3/9

-0.108+/-0.014  $\chi^2/\text{NDF}$ : 2612.8/5

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -69.098 $\pm$ 1.546  $\chi^2$ /NDF: 101.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 63.846 $\pm$ 1.525  $\chi^2$ /NDF: 209.9/5

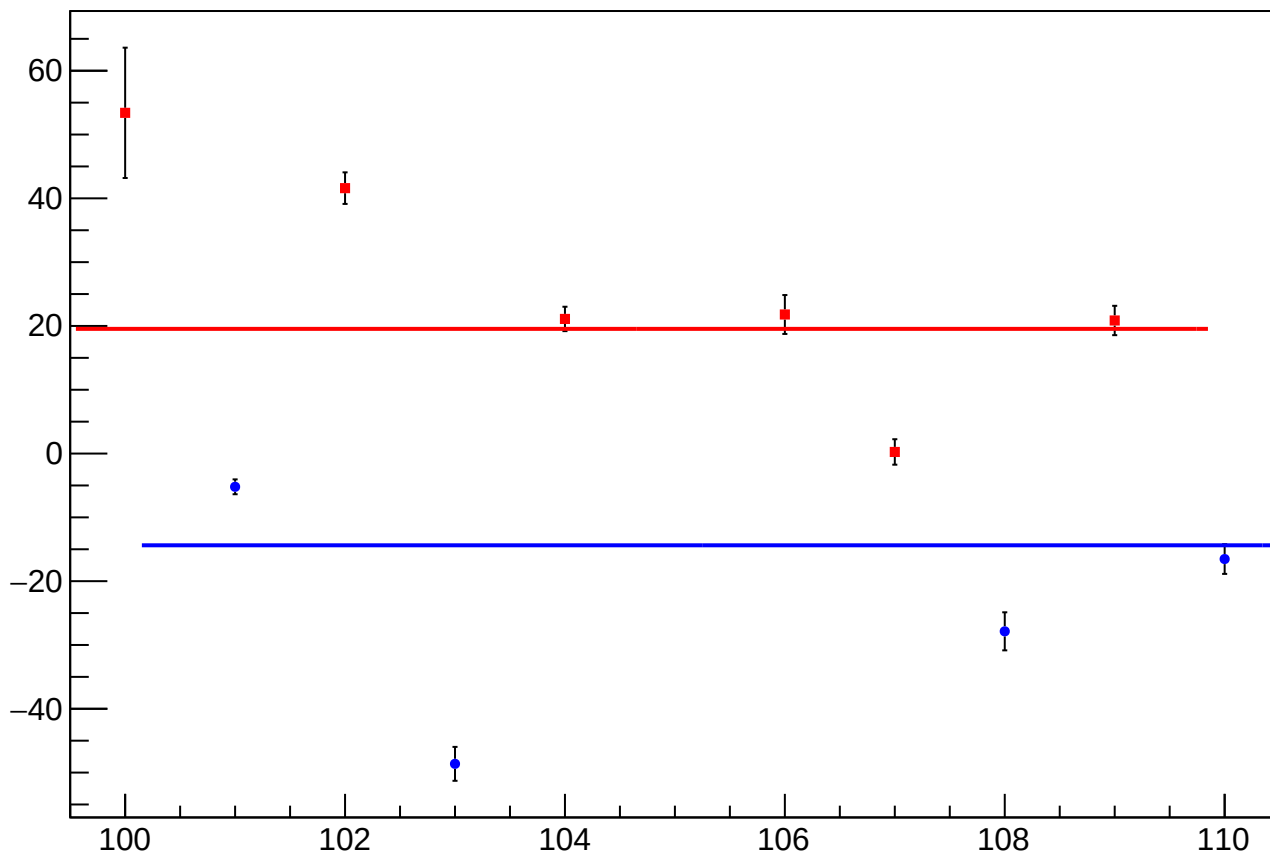
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-69.098 $\pm$ 1.546  $\chi^2$ /NDF: 101.8/3

-1.709 $\pm$ 1.085  $\chi^2$ /NDF: 4060.9/9

63.846 $\pm$ 1.525  $\chi^2$ /NDF: 209.9/5

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -14.378 $\pm$ 0.922  $\chi^2$ /NDF: 249.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 19.544 $\pm$ 1.003  $\chi^2$ /NDF: 185.4/5

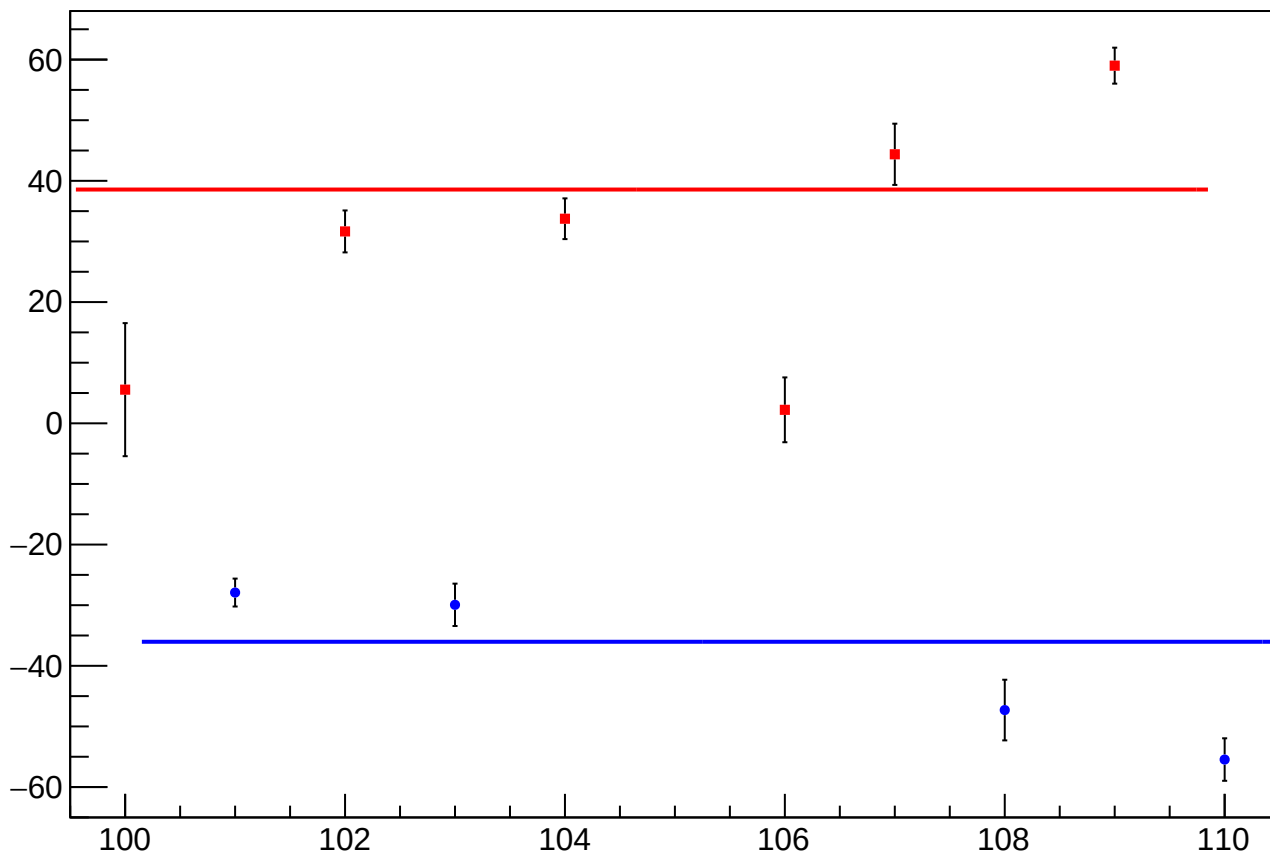
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-14.378 $\pm$ 0.922  $\chi^2$ /NDF: 249.5/3

1.162 $\pm$ 0.679  $\chi^2$ /NDF: 1055.1/9

19.544 $\pm$ 1.003  $\chi^2$ /NDF: 185.4/5

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-36.034 \pm 1.597$   $\chi^2/\text{NDF}$ : 51.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $38.565 \pm 1.648$   $\chi^2/\text{NDF}$ : 110.0/5

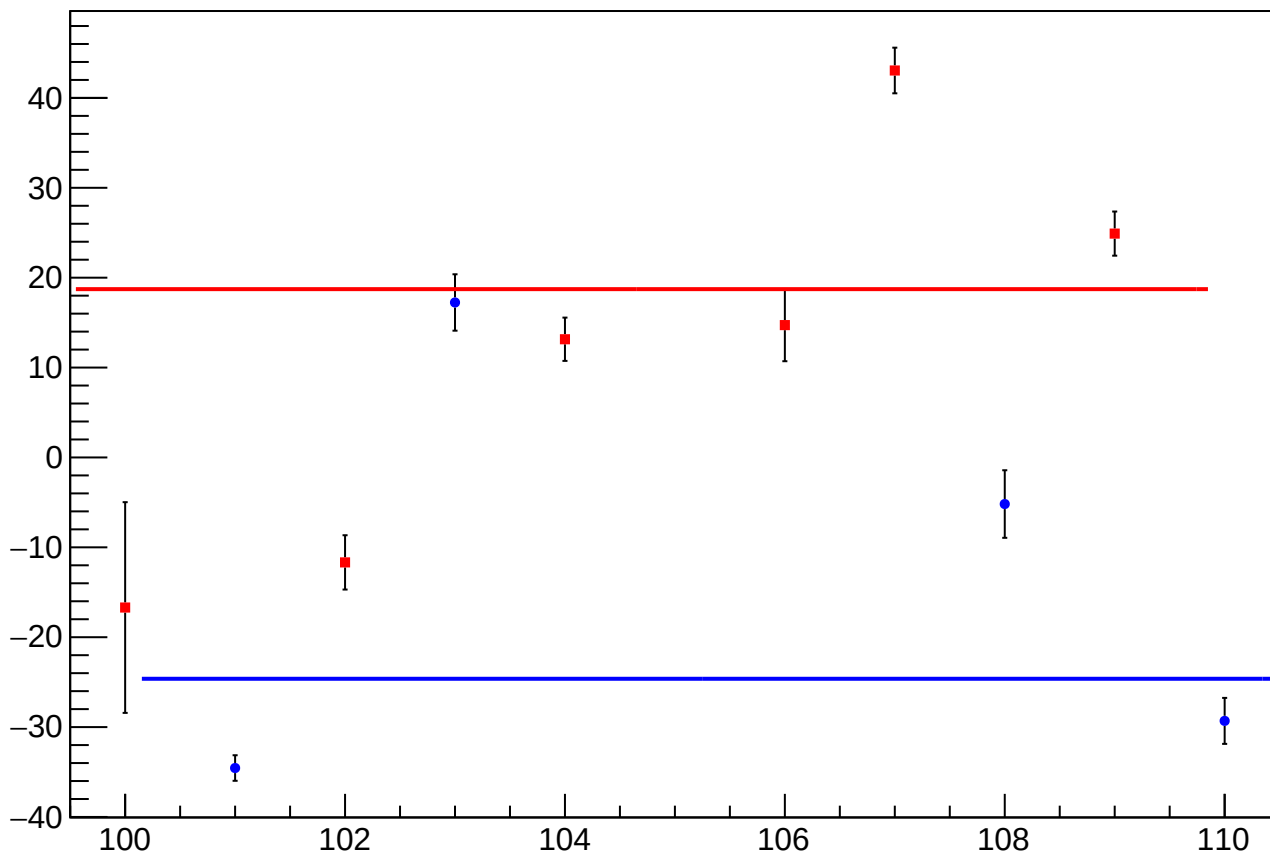
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-36.034 \pm 1.597$   $\chi^2/\text{NDF}$ : 51.3/3

$0.102 \pm 1.147$   $\chi^2/\text{NDF}$ : 1217.8/9

$38.565 \pm 1.648$   $\chi^2/\text{NDF}$ : 110.0/5

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -24.624 $\pm$ 1.104  $\chi^2$ /NDF: 256.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 18.725 $\pm$ 1.220  $\chi^2$ /NDF: 214.9/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

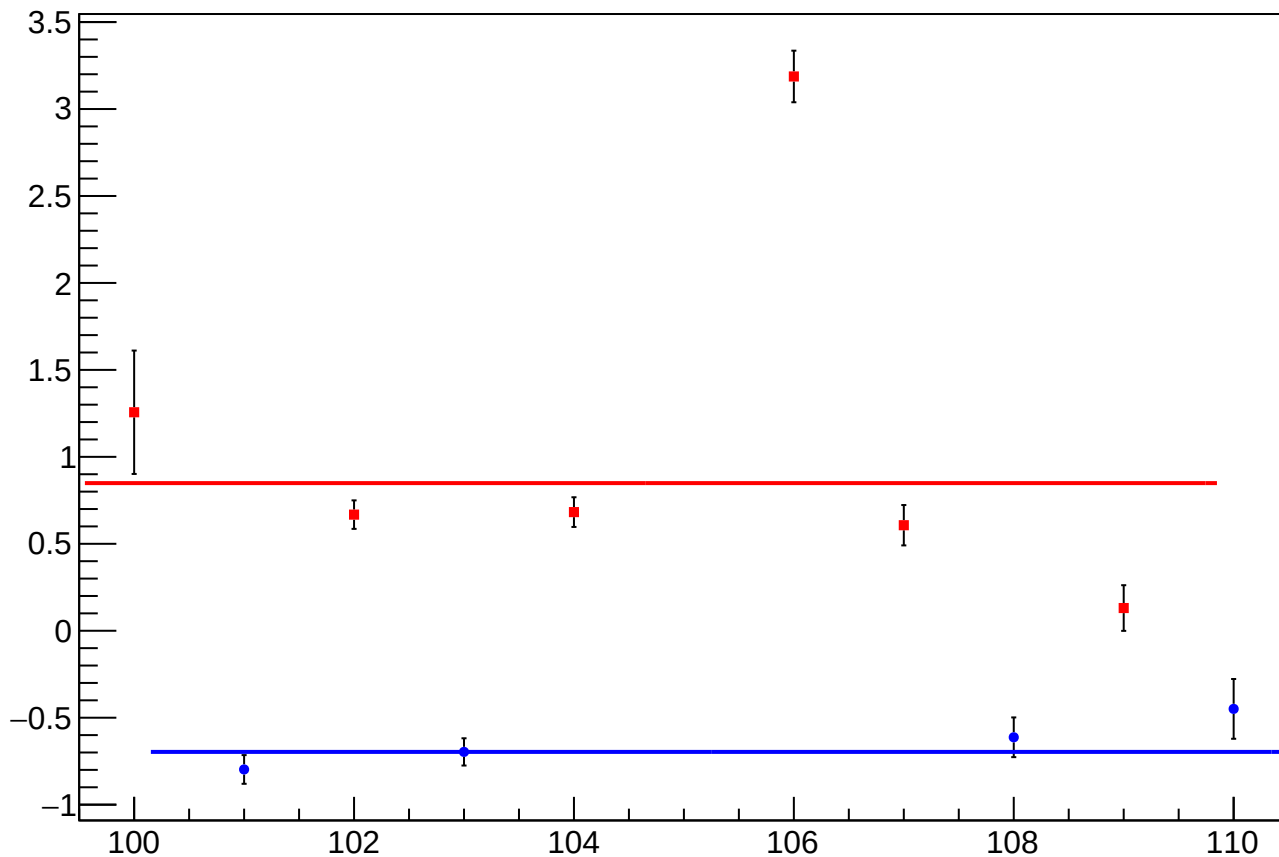
-24.624 $\pm$ 1.104  $\chi^2$ /NDF: 256.9/3

-5.095 $\pm$ 0.819  $\chi^2$ /NDF: 1165.9/9

18.725 $\pm$ 1.220  $\chi^2$ /NDF: 214.9/5



reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.697 \pm 0.049$   $\chi^2/\text{NDF}$ : 4.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.849 \pm 0.046$   $\chi^2/\text{NDF}$ : 292.8/5

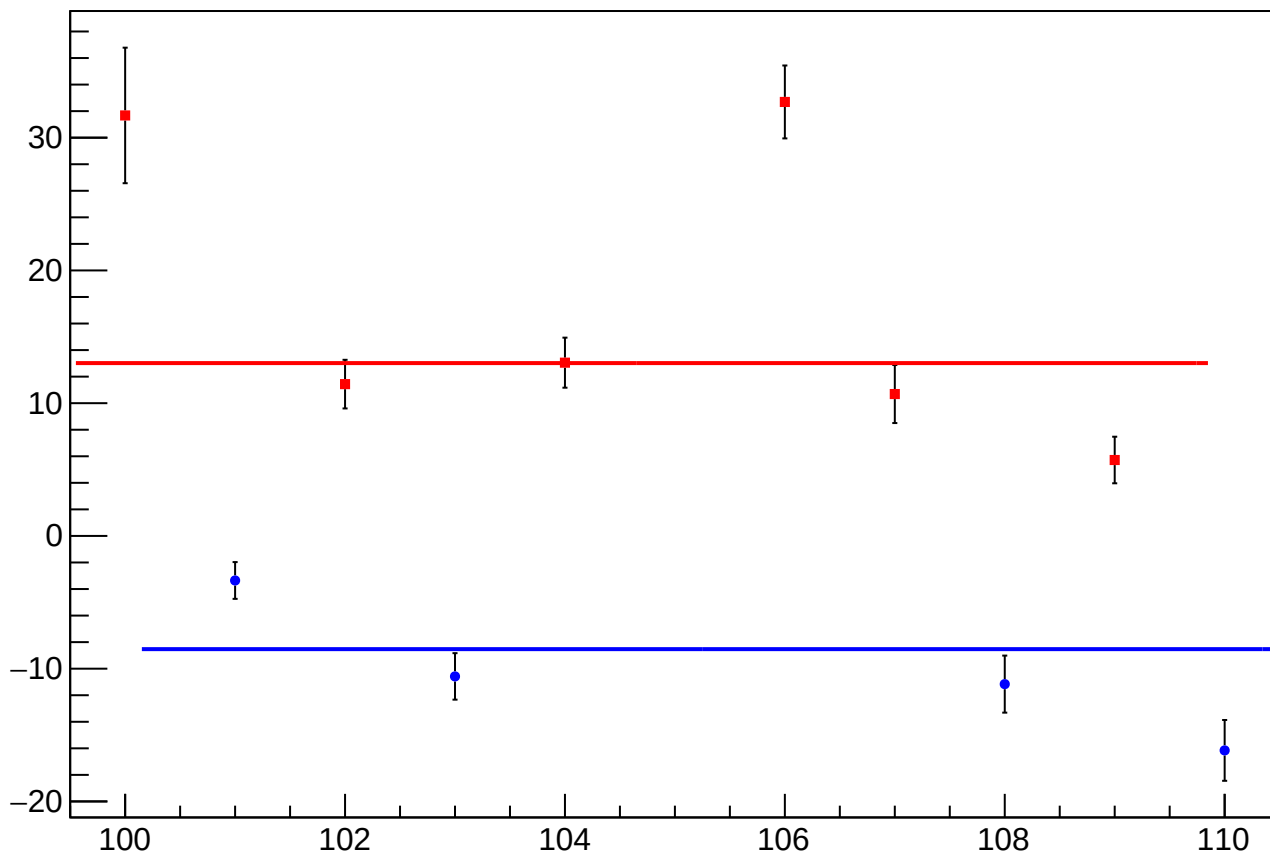
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.697 \pm 0.049$   $\chi^2/\text{NDF}$ : 4.1/3

$0.121 \pm 0.033$   $\chi^2/\text{NDF}$ : 827.9/9

$0.849 \pm 0.046$   $\chi^2/\text{NDF}$ : 292.8/5

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-8.528 \pm 0.893$   $\chi^2/\text{NDF}$ : 27.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $13.020 \pm 0.882$   $\chi^2/\text{NDF}$ : 83.9/5

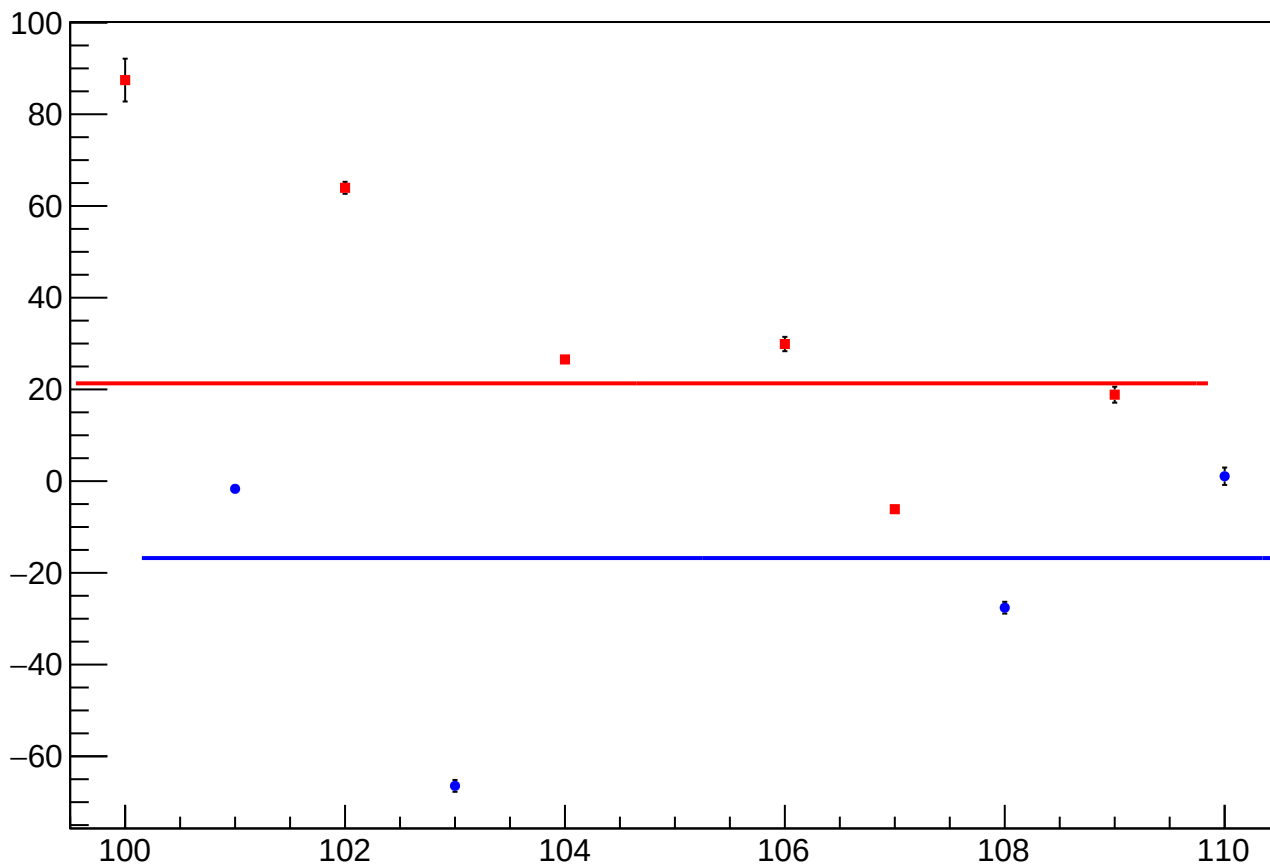
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-8.528 \pm 0.893$   $\chi^2/\text{NDF}$ : 27.9/3

$2.374 \pm 0.628$   $\chi^2/\text{NDF}$ : 406.5/9

$13.020 \pm 0.882$   $\chi^2/\text{NDF}$ : 83.9/5

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -16.775+/-0.530  $\chi^2/\text{NDF}$ : 2108.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.321+/-0.537  $\chi^2/\text{NDF}$ : 2268.8/5

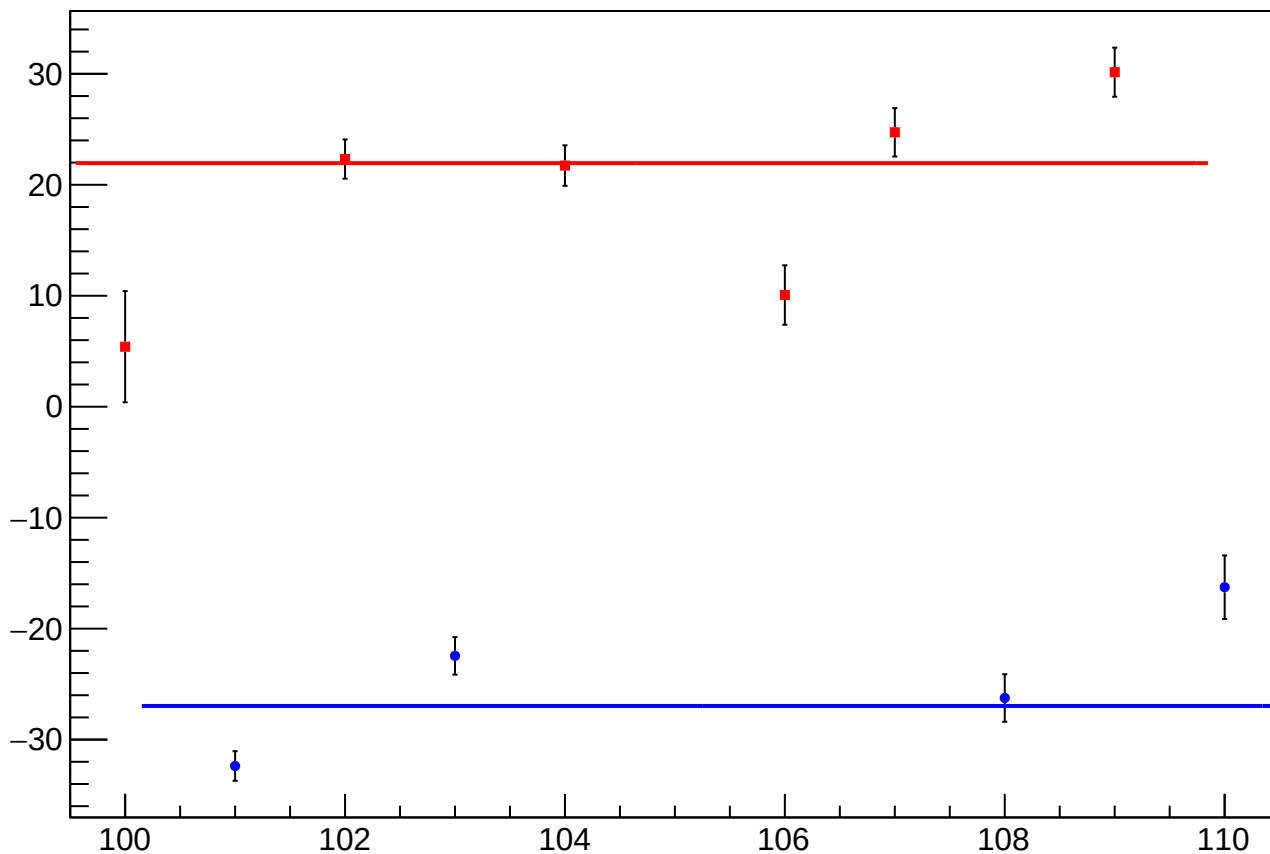
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-16.775+/-0.530  $\chi^2/\text{NDF}$ : 2108.4/3

2.020+/-0.377  $\chi^2/\text{NDF}$ : 6925.3/9

21.321+/-0.537  $\chi^2/\text{NDF}$ : 2268.8/5

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -26.968+/-0.894  $\chi^2/\text{NDF}$ : 37.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.951+/-0.908  $\chi^2/\text{NDF}$ : 46.0/5

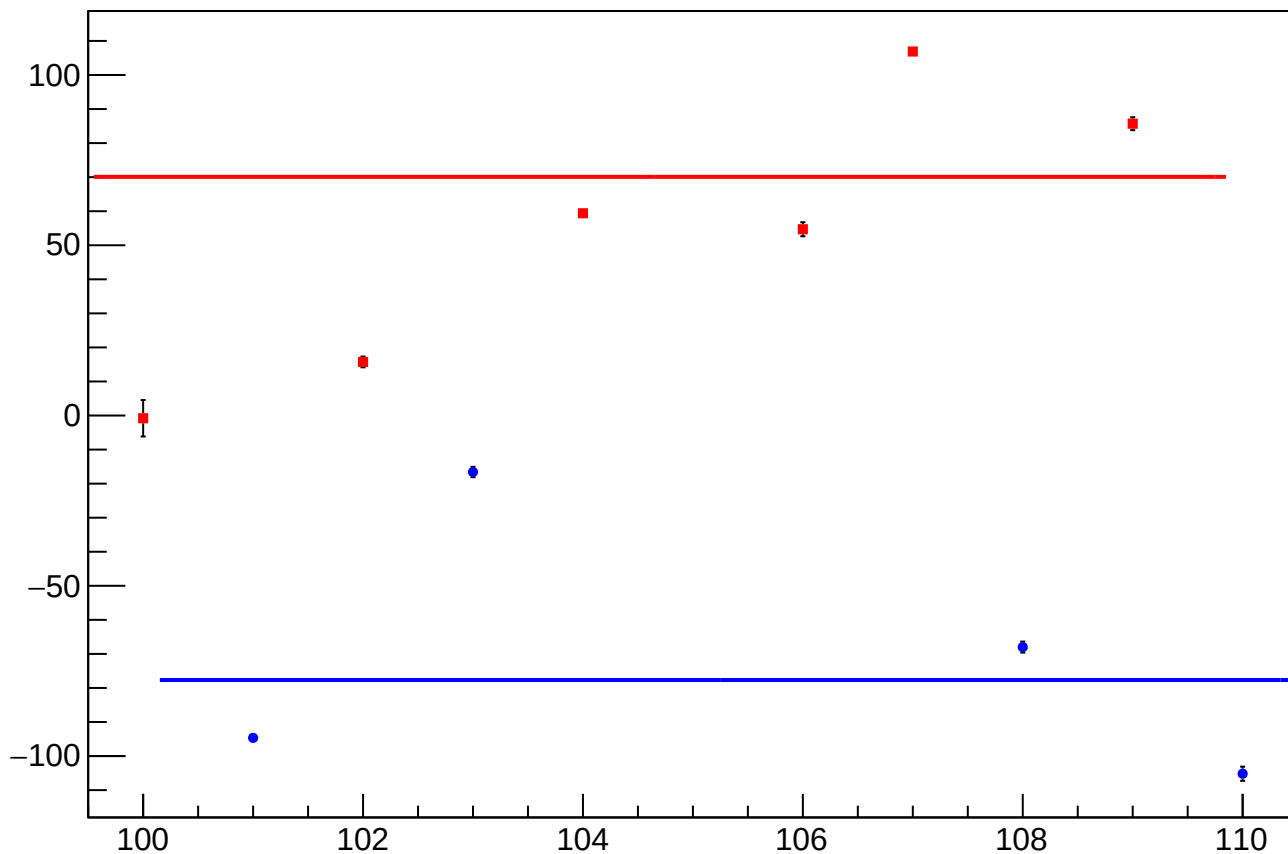
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-26.968+/-0.894  $\chi^2/\text{NDF}$ : 37.6/3

-2.864+/-0.637  $\chi^2/\text{NDF}$ : 1557.4/9

21.951+/-0.908  $\chi^2/\text{NDF}$ : 46.0/5

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -77.666+/-0.642  $\chi^2/\text{NDF}$ : 2210.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 70.090+/-0.666  $\chi^2/\text{NDF}$ : 2594.9/5

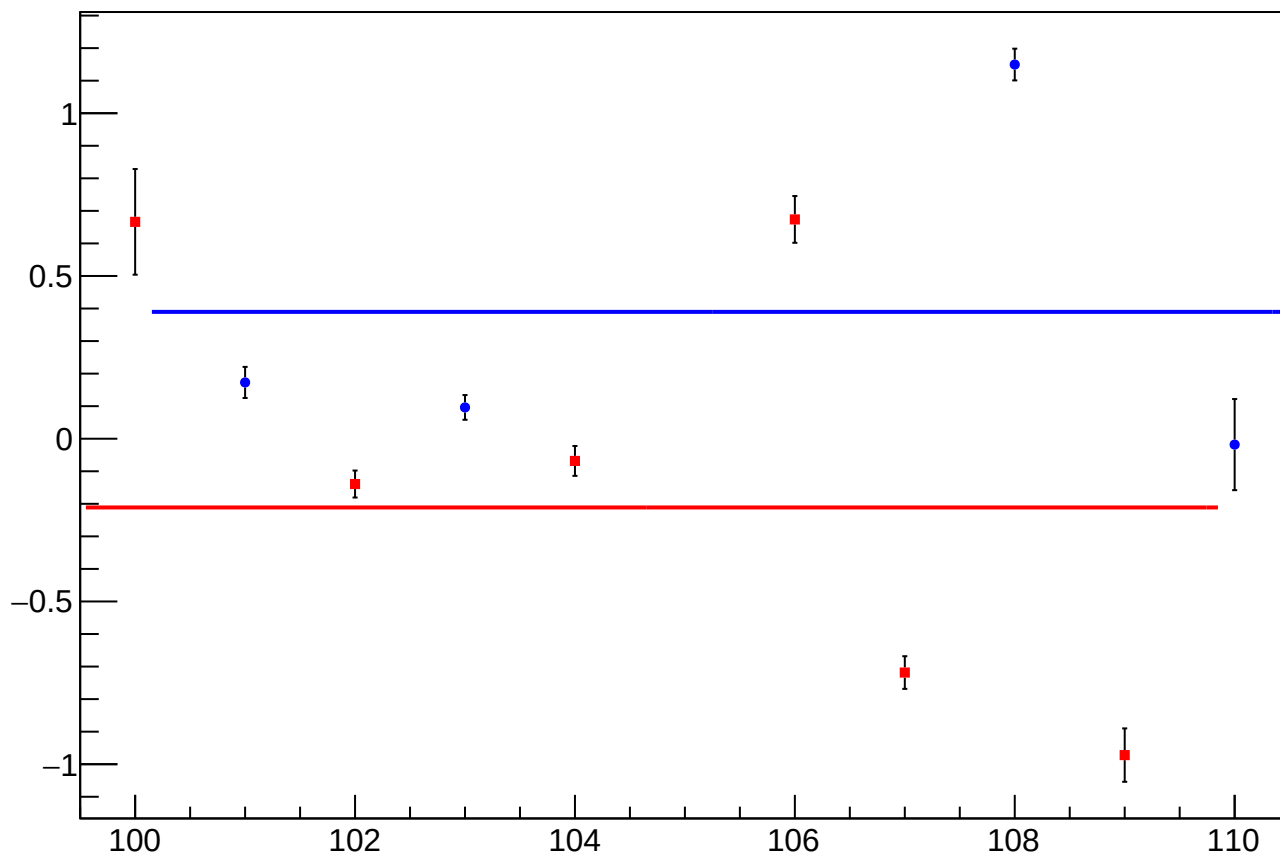
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-77.666+/-0.642  $\chi^2/\text{NDF}$ : 2210.9/3

-6.490+/-0.462  $\chi^2/\text{NDF}$ : 30344.8/9

70.090+/-0.666  $\chi^2/\text{NDF}$ : 2594.9/5

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.390+/-0.025  $\chi^2/\text{NDF}$ : 331.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.211+/-0.023  $\chi^2/\text{NDF}$ : 381.9/5

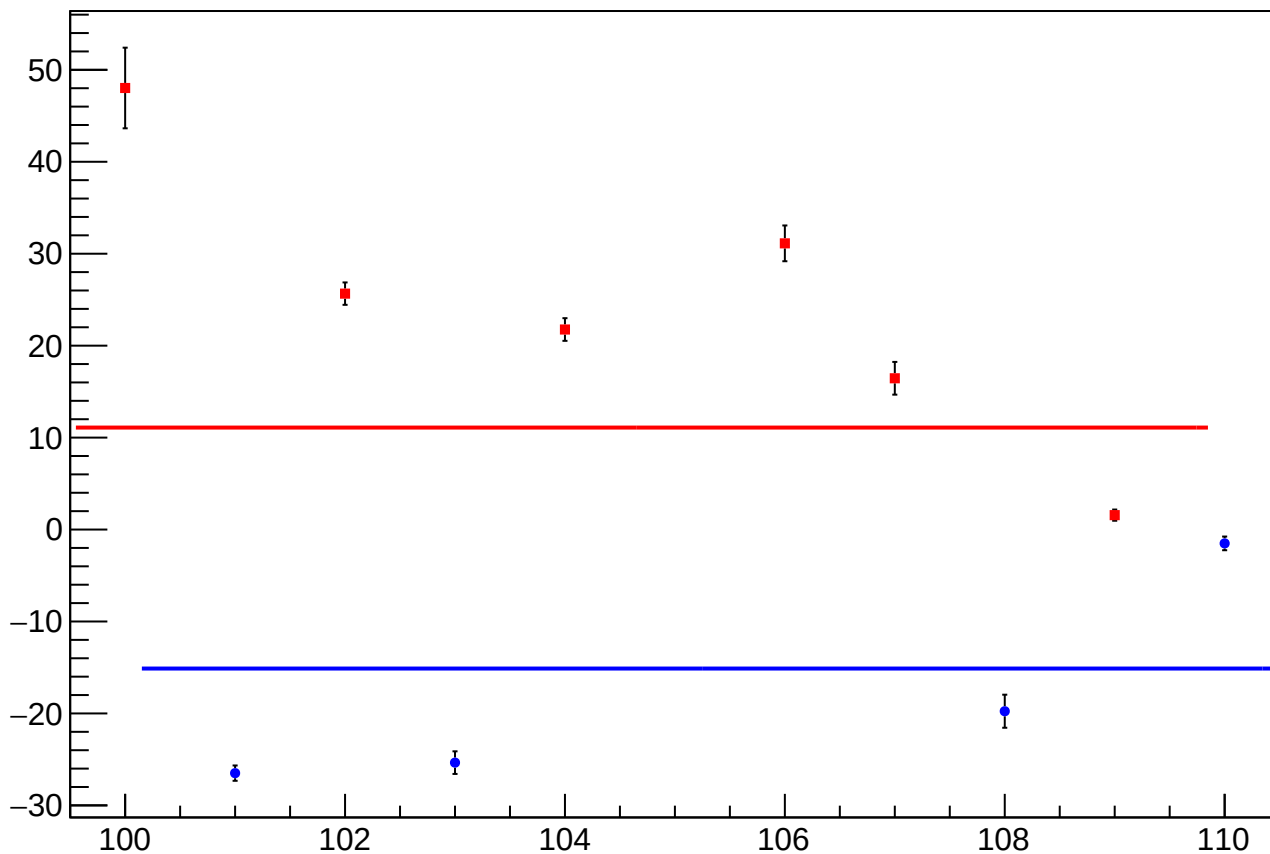
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.390+/-0.025  $\chi^2/\text{NDF}$ : 331.7/3

0.069+/-0.017  $\chi^2/\text{NDF}$ : 1022.5/9

-0.211+/-0.023  $\chi^2/\text{NDF}$ : 381.9/5

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -15.117 $\pm$ 0.487  $\chi^2$ /NDF: 597.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11.092 $\pm$ 0.463  $\chi^2$ /NDF: 649.4/5

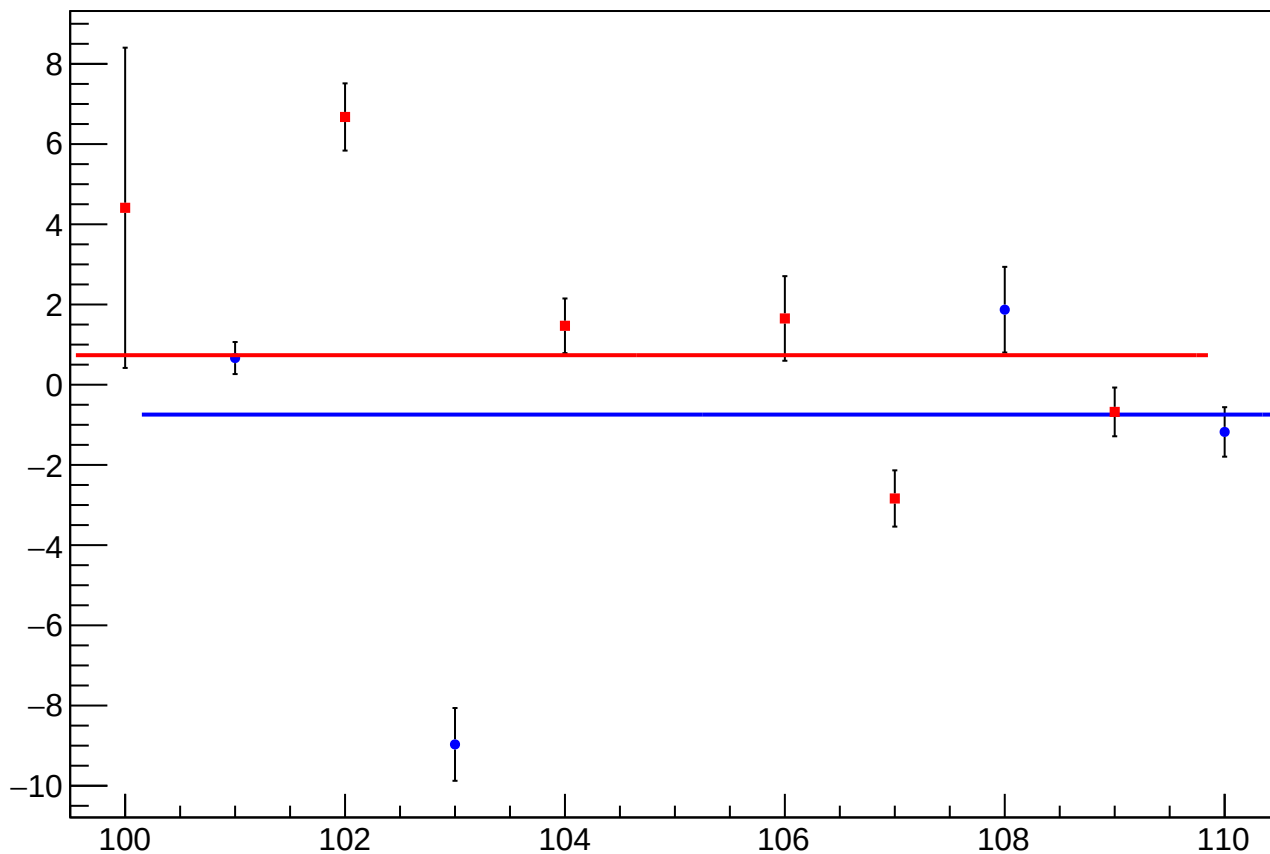
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-15.117 $\pm$ 0.487  $\chi^2$ /NDF: 597.1/3

-1.349 $\pm$ 0.335  $\chi^2$ /NDF: 2768.6/9

11.092 $\pm$ 0.463  $\chi^2$ /NDF: 649.4/5

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.302  $\chi^2$ /NDF: 101.1/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.736+/-0.328  $\chi^2$ /NDF: 84.3/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

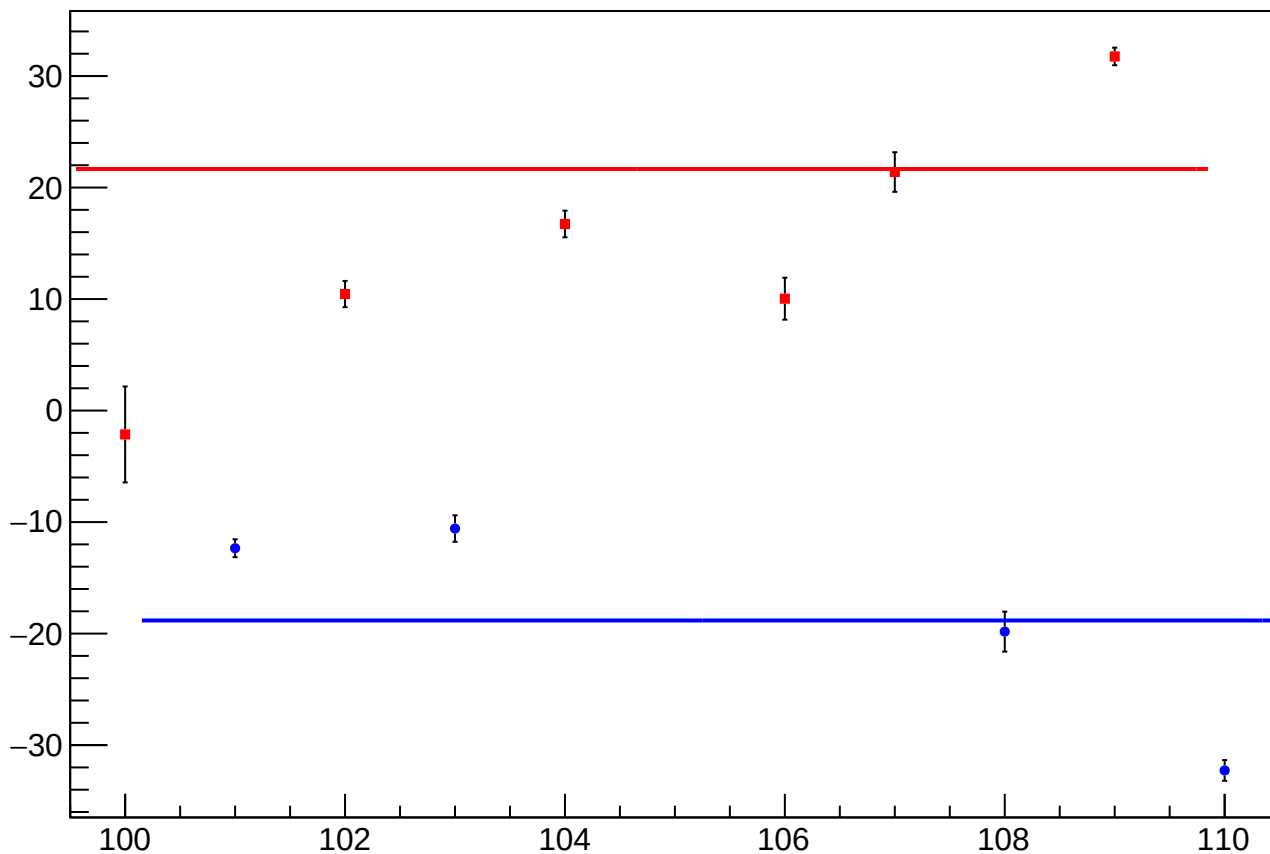
-0.745+/-0.302  $\chi^2$ /NDF: 101.1/3

-0.066+/-0.222  $\chi^2$ /NDF: 196.4/9

0.736+/-0.328  $\chi^2$ /NDF: 84.3/5



reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -18.823+/-0.518  $\chi^2/\text{NDF}$ : 322.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.667+/-0.521  $\chi^2/\text{NDF}$ : 341.0/5

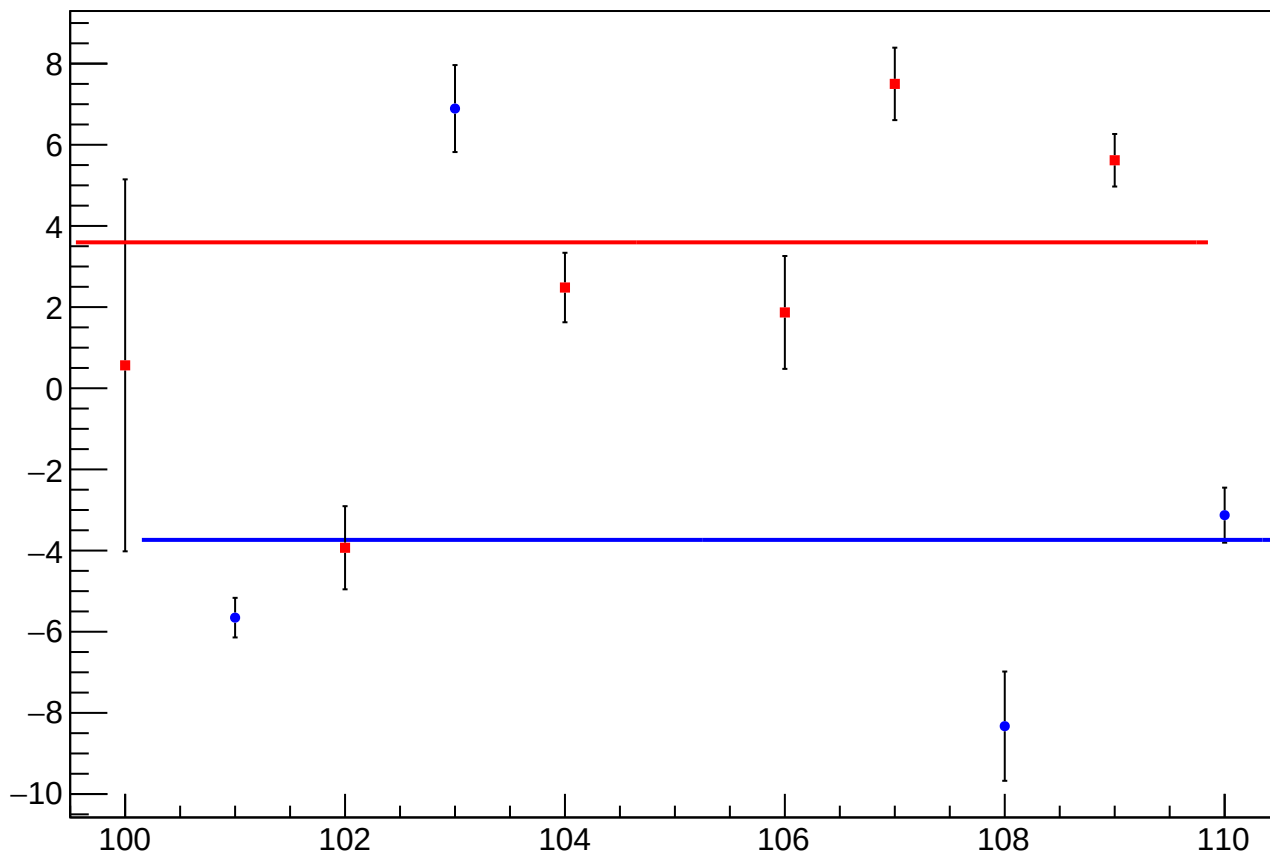
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-18.823+/-0.518  $\chi^2/\text{NDF}$ : 322.9/3

1.316+/-0.367  $\chi^2/\text{NDF}$ : 3703.9/9

21.667+/-0.521  $\chi^2/\text{NDF}$ : 341.0/5

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -3.737 $\pm$ 0.358  $\chi^2$ /NDF: 126.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.596 $\pm$ 0.392  $\chi^2$ /NDF: 86.5/5

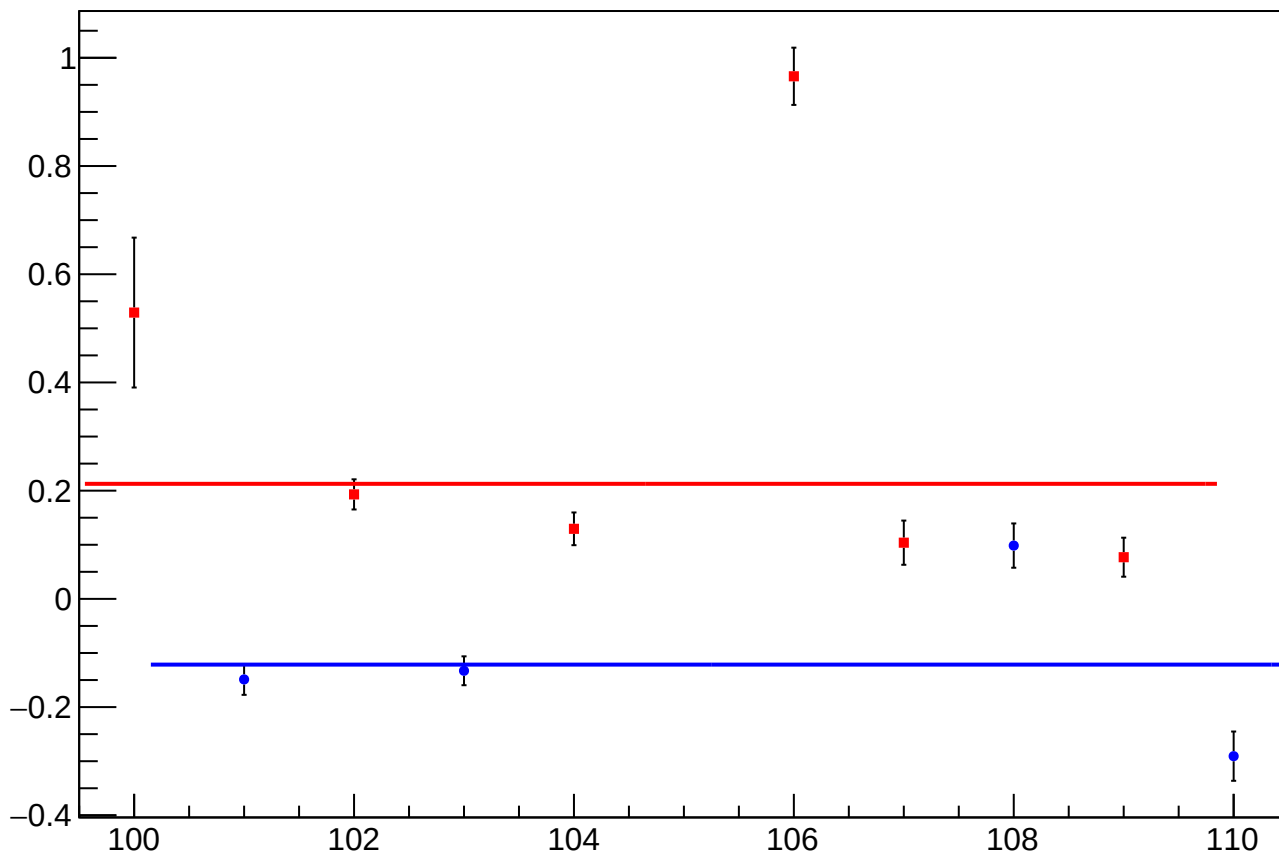
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-3.737 $\pm$ 0.358  $\chi^2$ /NDF: 126.2/3

-0.397 $\pm$ 0.264  $\chi^2$ /NDF: 403.7/9

3.596 $\pm$ 0.392  $\chi^2$ /NDF: 86.5/5

reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.121+/-0.016  $\chi^2$ /NDF: 43.8/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.213+/-0.016  $\chi^2$ /NDF: 237.3/5

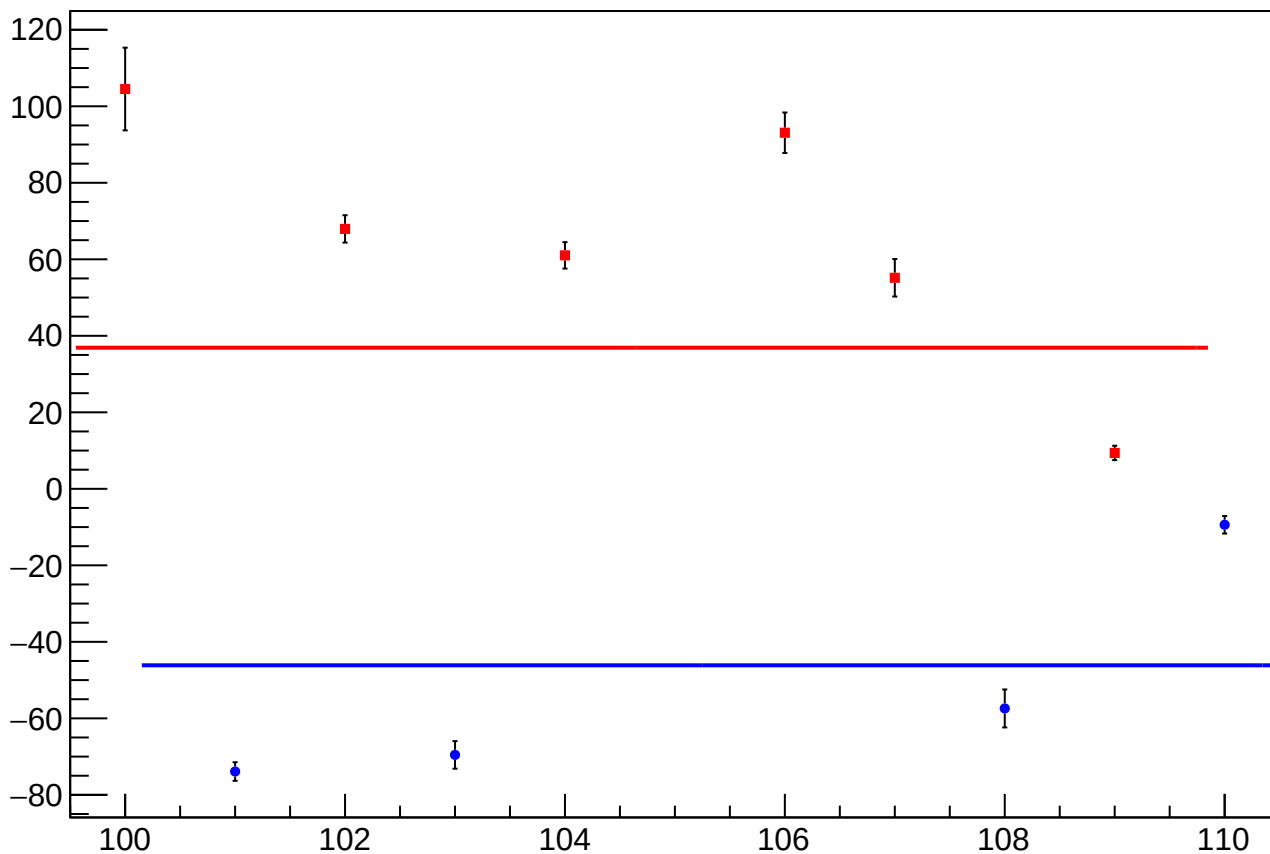
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-0.121+/-0.016  $\chi^2$ /NDF: 43.8/3

0.055+/-0.011  $\chi^2$ /NDF: 500.1/9

0.213+/-0.016  $\chi^2$ /NDF: 237.3/5

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -46.133+/-1.447  $\chi^2/\text{NDF}$ : 434.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 36.891+/-1.372  $\chi^2/\text{NDF}$ : 504.7/5

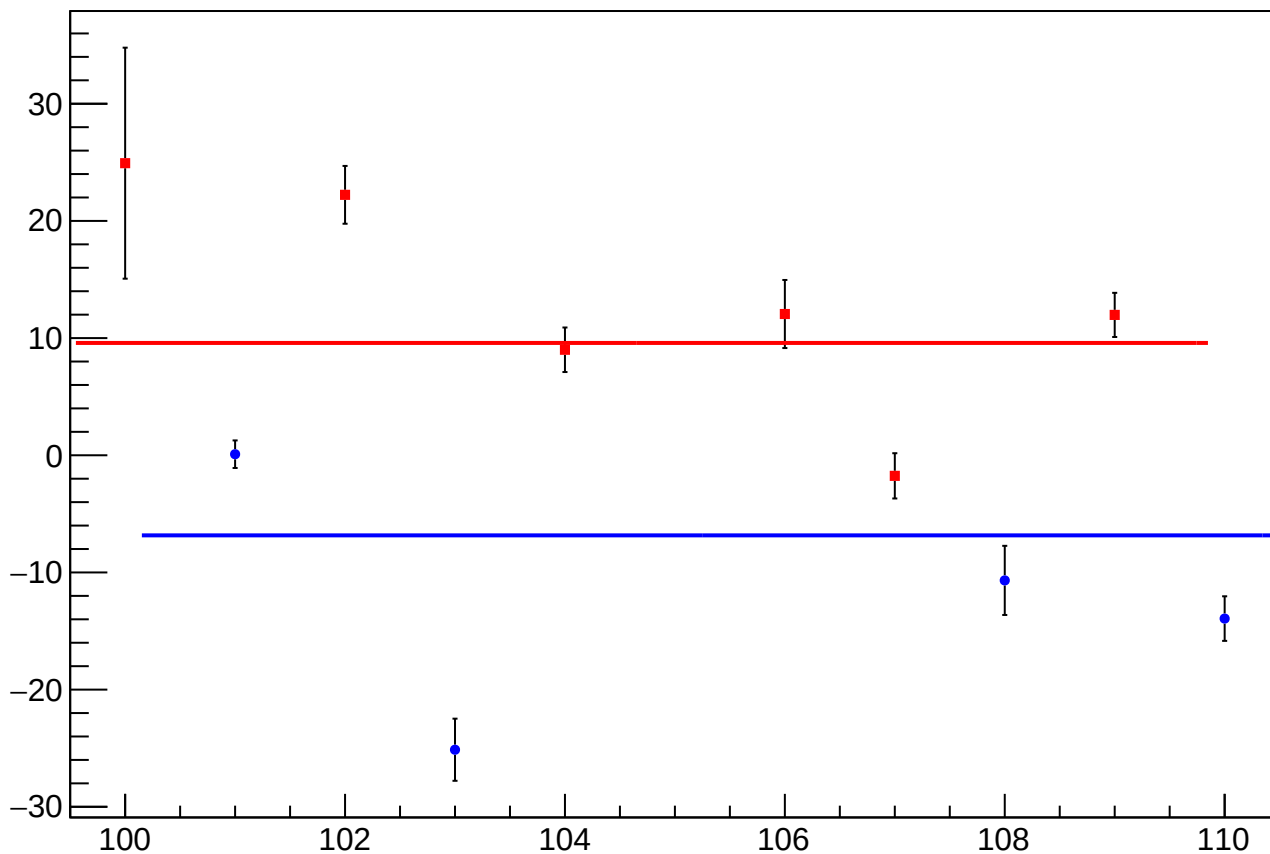
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-46.133+/-1.447  $\chi^2/\text{NDF}$ : 434.6/3

-2.398+/-0.996  $\chi^2/\text{NDF}$ : 2672.9/9

36.891+/-1.372  $\chi^2/\text{NDF}$ : 504.7/5

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.835+/-0.892  $\chi^2$ /NDF: 97.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 9.587+/-0.945  $\chi^2$ /NDF: 65.6/5

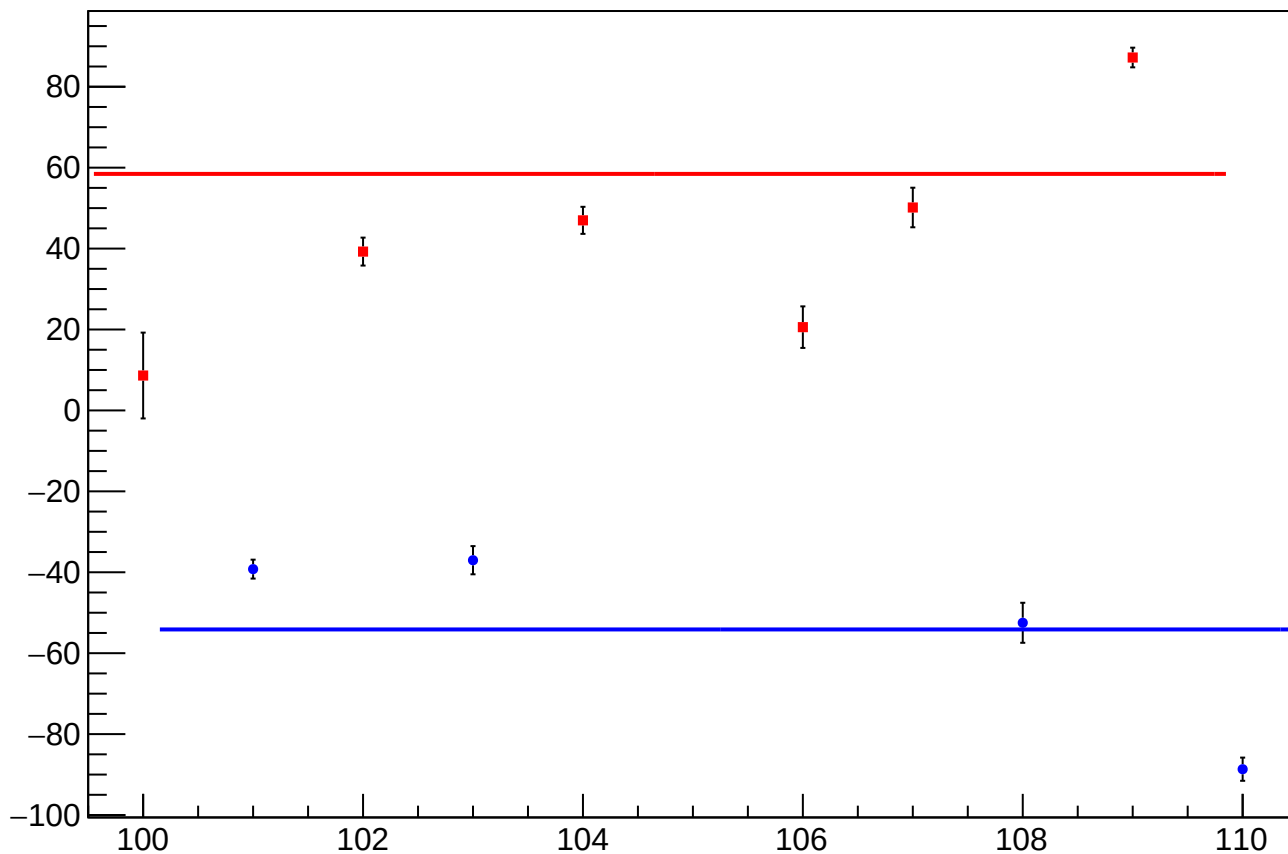
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-6.835+/-0.892  $\chi^2$ /NDF: 97.9/3

0.904+/-0.649  $\chi^2$ /NDF: 323.2/9

9.587+/-0.945  $\chi^2$ /NDF: 65.6/5

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.132 $\pm$ 1.529  $\chi^2$ /NDF: 210.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 58.457 $\pm$ 1.523  $\chi^2$ /NDF: 262.0/5

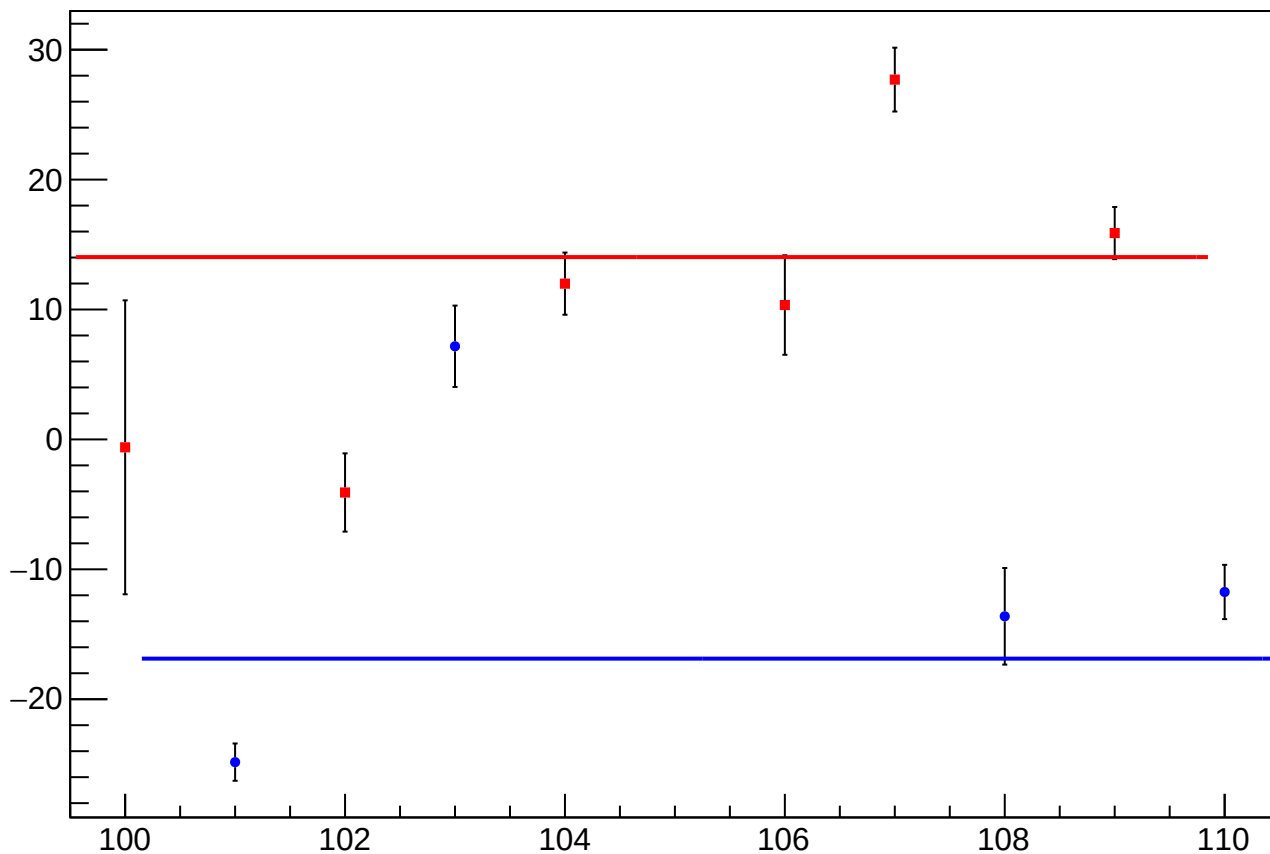
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-54.132 $\pm$ 1.529  $\chi^2$ /NDF: 210.1/3

2.367 $\pm$ 1.079  $\chi^2$ /NDF: 3193.9/9

58.457 $\pm$ 1.523  $\chi^2$ /NDF: 262.0/5

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -16.875+/-1.061  $\chi^2/\text{NDF}$ : 96.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.036+/-1.136  $\chi^2/\text{NDF}$ : 71.3/5

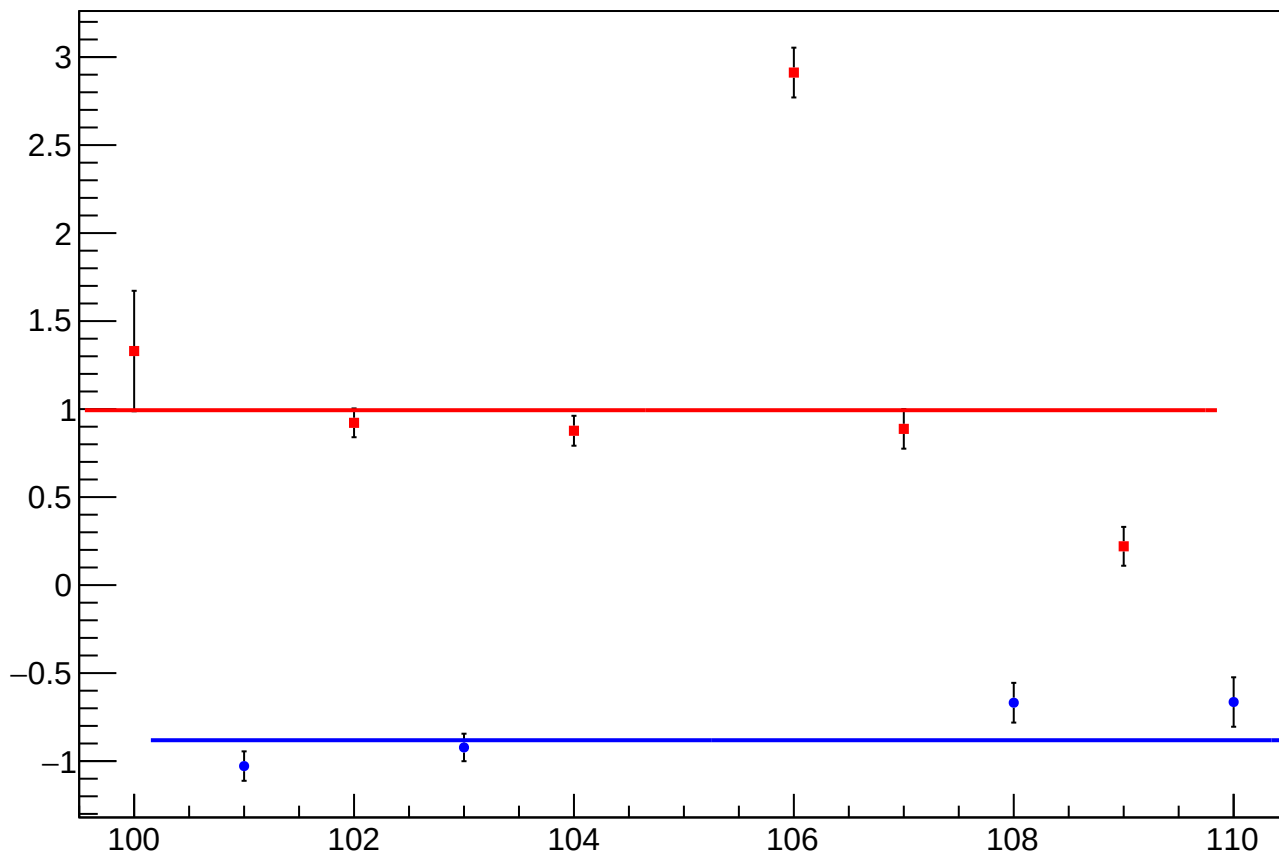
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-16.875+/-1.061  $\chi^2/\text{NDF}$ : 96.5/3

-2.475+/-0.776  $\chi^2/\text{NDF}$ : 563.2/9

14.036+/-1.136  $\chi^2/\text{NDF}$ : 71.3/5

reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.881+/-0.048  $\chi^2/\text{NDF}$ : 9.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.994+/-0.044  $\chi^2/\text{NDF}$ : 237.5/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

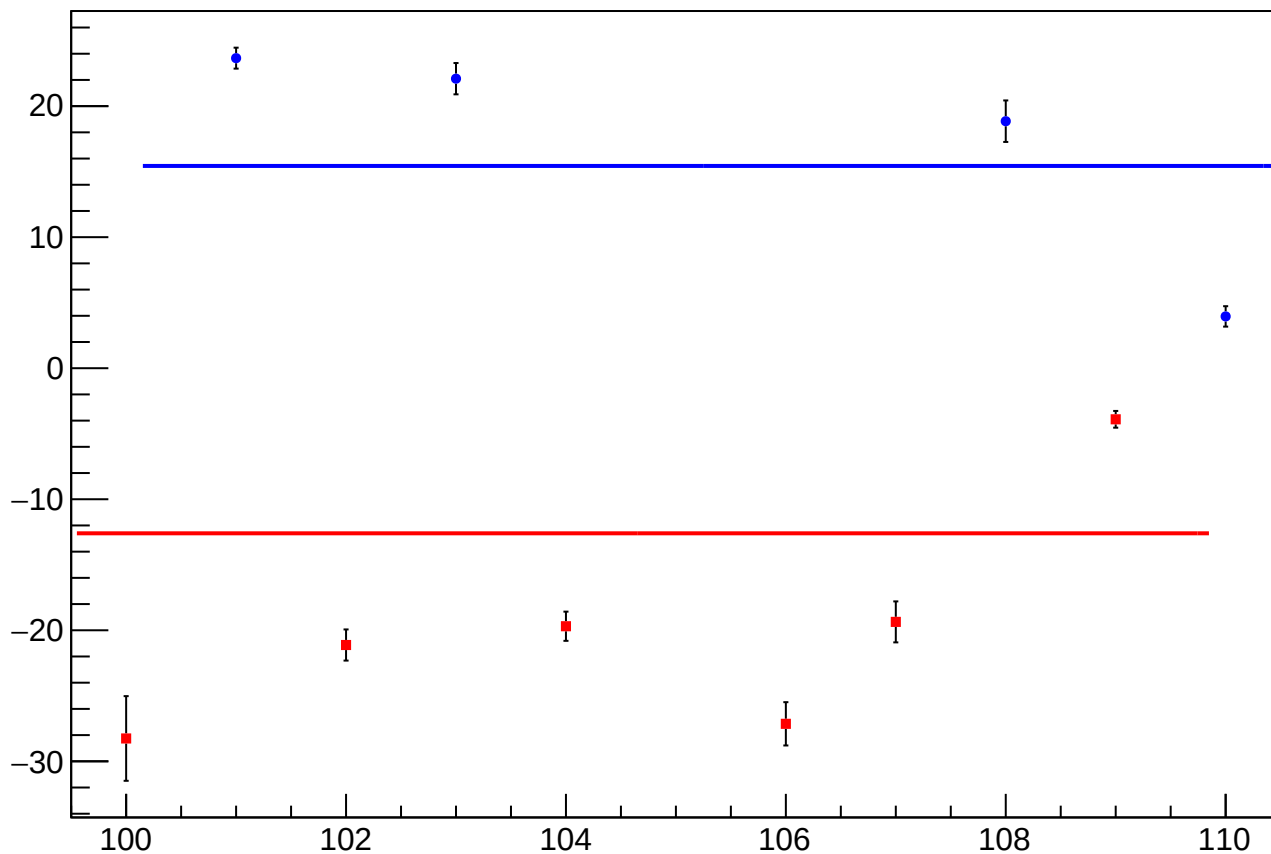
-0.881+/-0.048  $\chi^2/\text{NDF}$ : 9.3/3

0.127+/-0.033  $\chi^2/\text{NDF}$ : 1071.4/9

0.994+/-0.044  $\chi^2/\text{NDF}$ : 237.5/5



reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 15.437+/-0.482  $\chi^2$ /NDF: 358.7/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -12.600+/-0.455  $\chi^2$ /NDF: 397.2/5

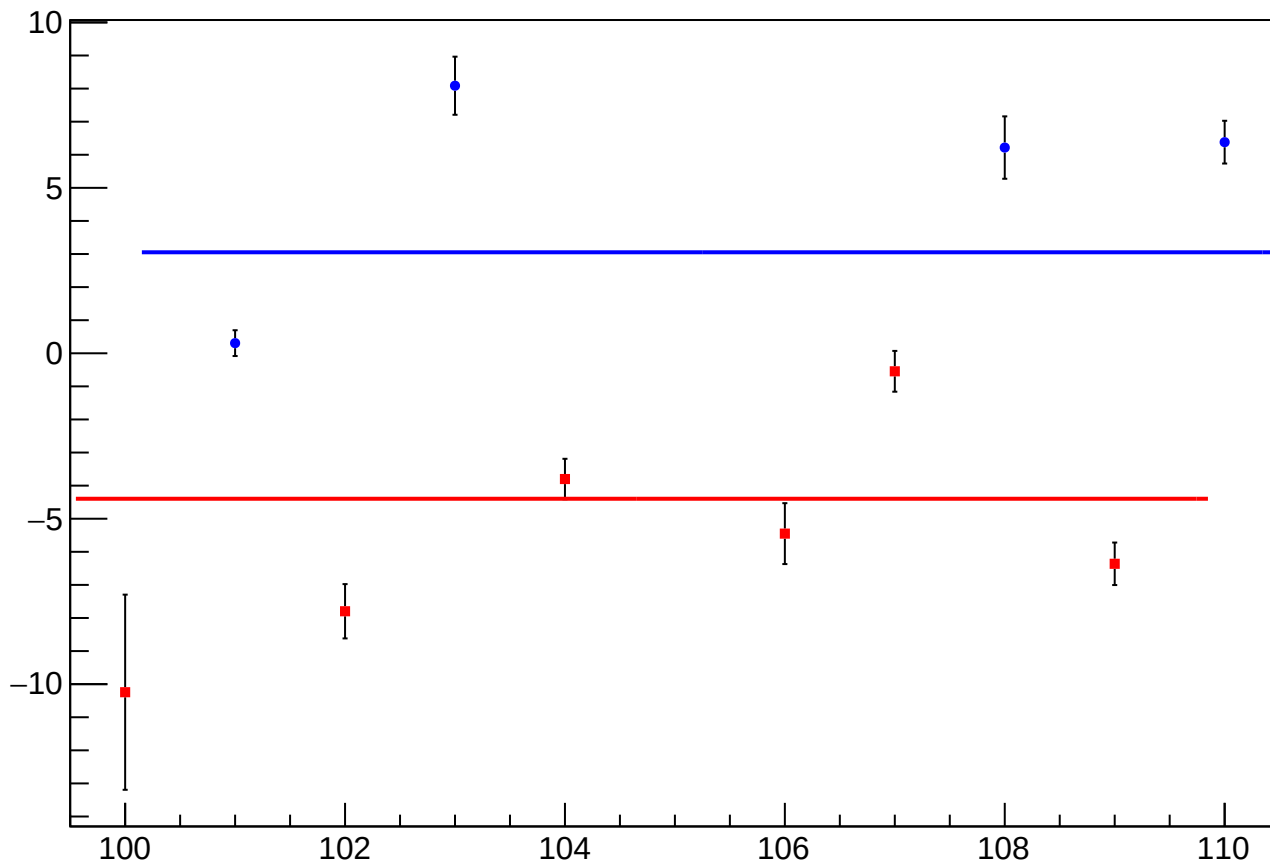
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

15.437+/-0.482  $\chi^2$ /NDF: 358.7/3

0.610+/-0.331  $\chi^2$ /NDF: 2547.4/9

-12.600+/-0.455  $\chi^2$ /NDF: 397.2/5

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.053+/-0.296  $\chi^2/\text{NDF}$ : 120.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.396+/-0.308  $\chi^2/\text{NDF}$ : 71.8/5

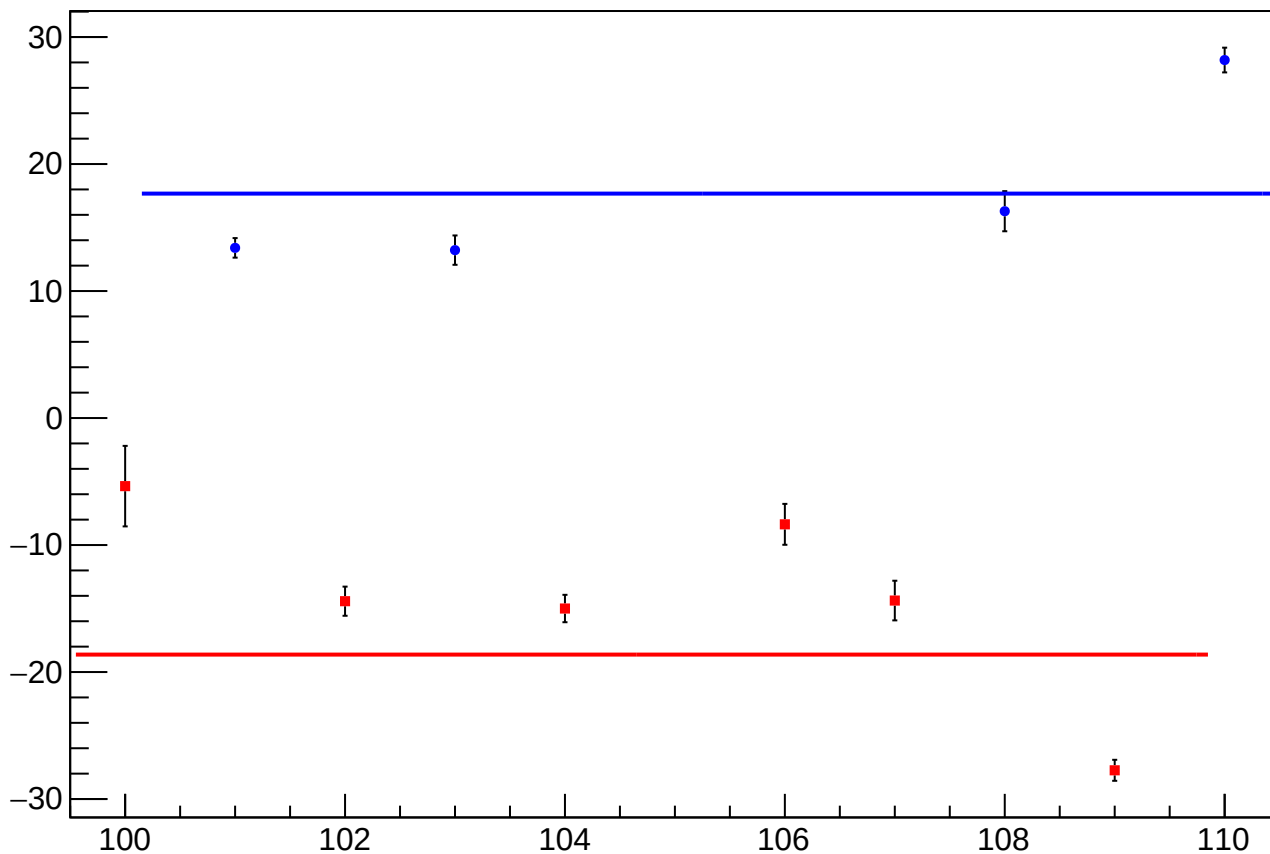
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.053+/-0.296  $\chi^2/\text{NDF}$ : 120.3/3

-0.522+/-0.214  $\chi^2/\text{NDF}$ : 495.5/9

-4.396+/-0.308  $\chi^2/\text{NDF}$ : 71.8/5

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 17.672 $\pm$ 0.507  $\chi^2$ /NDF: 163.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -18.626 $\pm$ 0.501  $\chi^2$ /NDF: 211.7/5

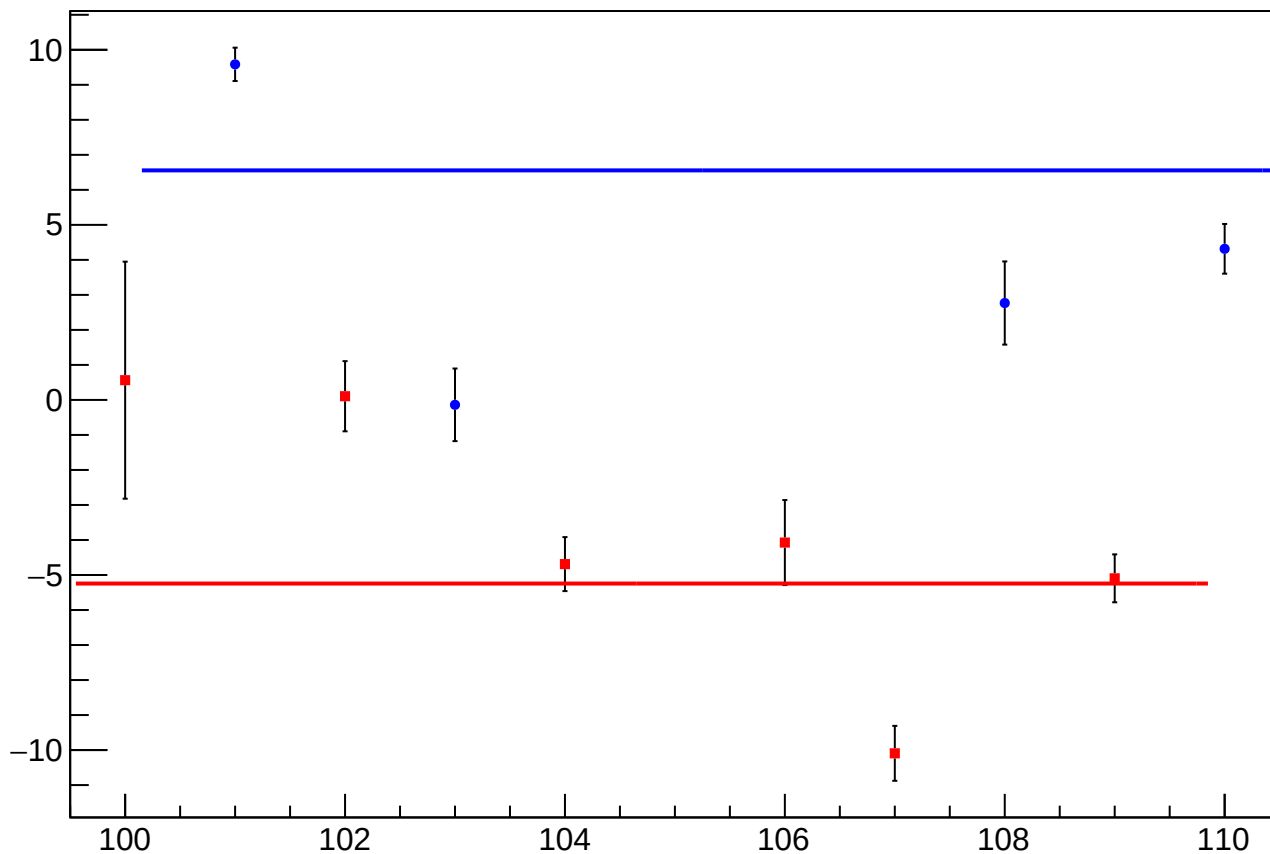
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

17.672 $\pm$ 0.507  $\chi^2$ /NDF: 163.0/3

-0.681 $\pm$ 0.356  $\chi^2$ /NDF: 2966.3/9

-18.626 $\pm$ 0.501  $\chi^2$ /NDF: 211.7/5

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 6.556 $\pm$ 0.353  $\chi^2$ /NDF: 102.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -5.244 $\pm$ 0.373  $\chi^2$ /NDF: 71.2/5

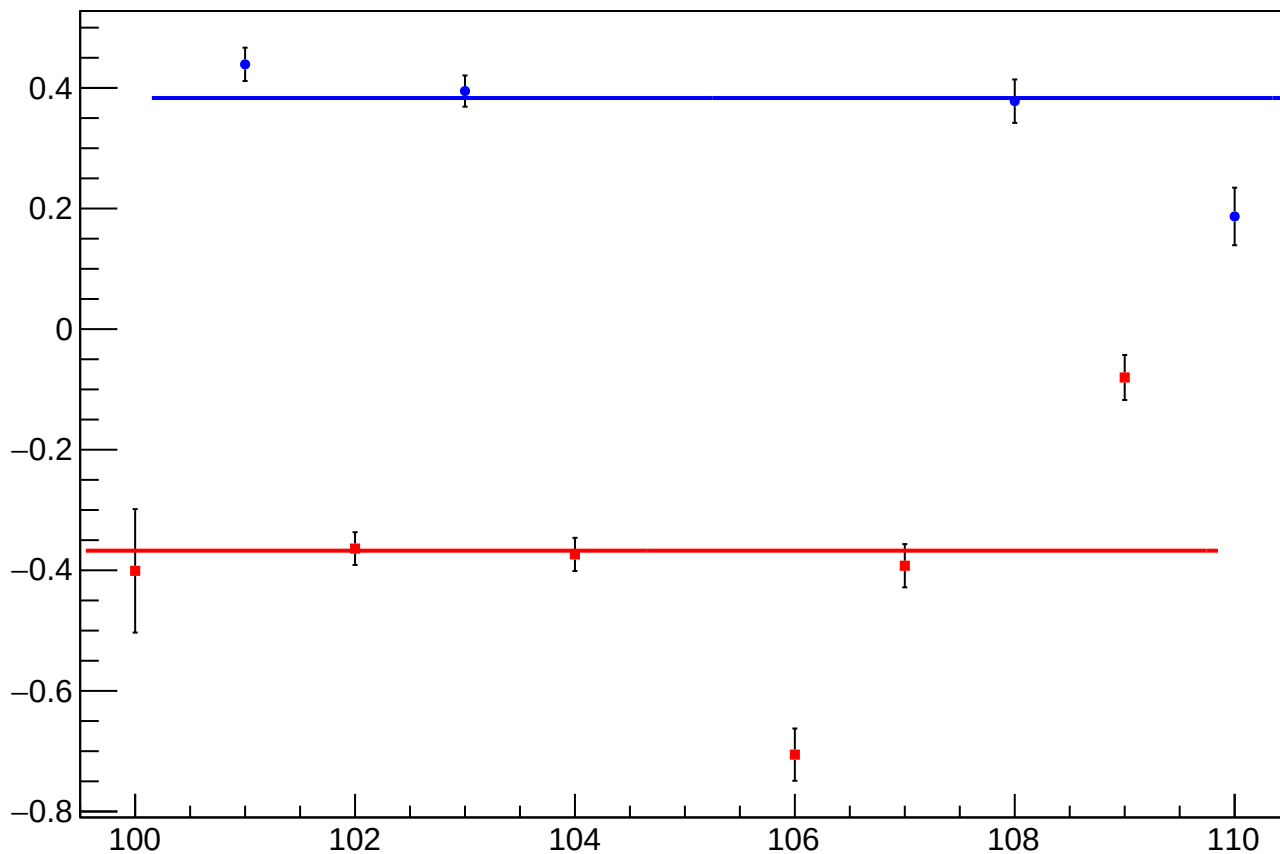
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

6.556 $\pm$ 0.353  $\chi^2$ /NDF: 102.3/3

0.977 $\pm$ 0.256  $\chi^2$ /NDF: 702.4/9

-5.244 $\pm$ 0.373  $\chi^2$ /NDF: 71.2/5

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.383+/-0.016  $\chi^2/\text{NDF}$ : 21.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.367+/-0.014  $\chi^2/\text{NDF}$ : 120.7/5

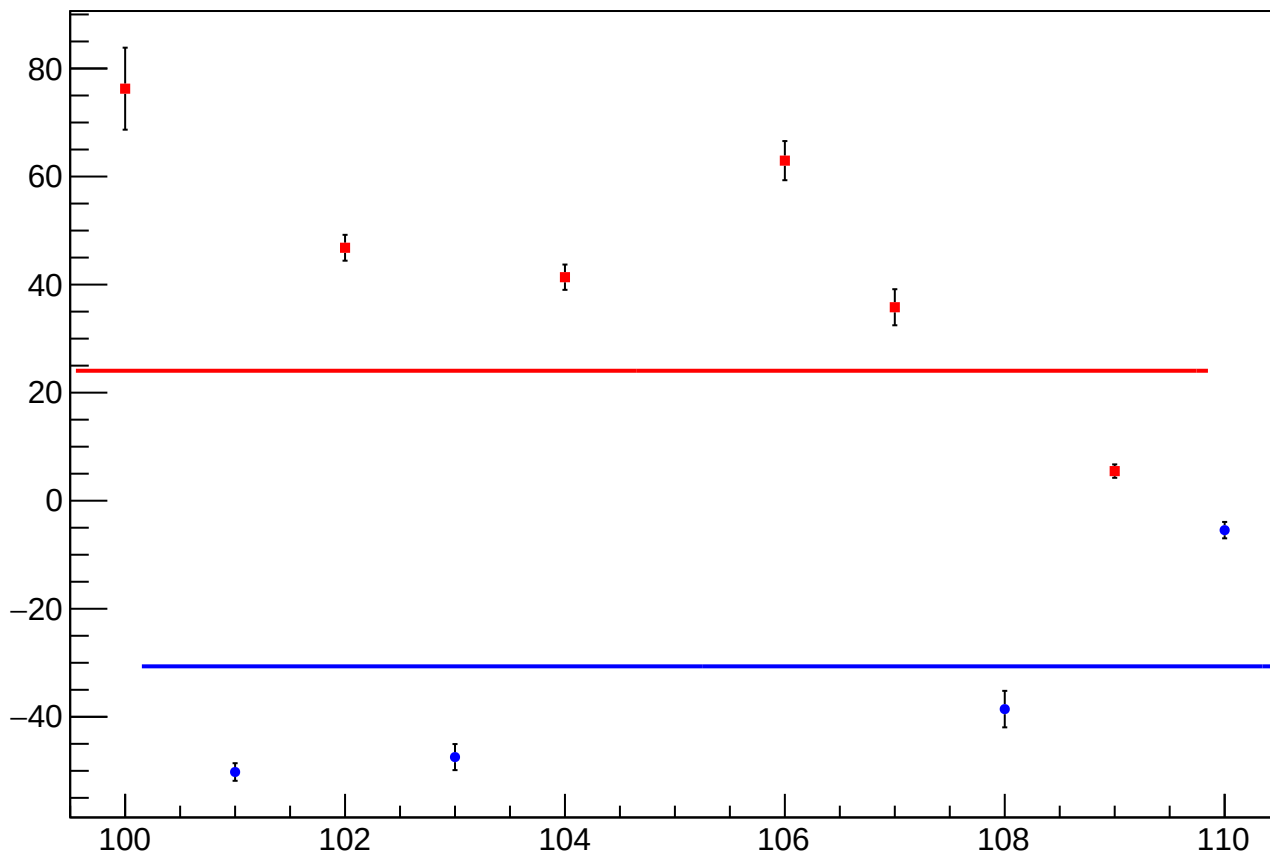
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.383+/-0.016  $\chi^2/\text{NDF}$ : 21.2/3

-0.026+/-0.011  $\chi^2/\text{NDF}$ : 1372.7/9

-0.367+/-0.014  $\chi^2/\text{NDF}$ : 120.7/5

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -30.658+/-0.966  $\chi^2/\text{NDF}$ : 474.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 24.053+/-0.917  $\chi^2/\text{NDF}$ : 544.0/5

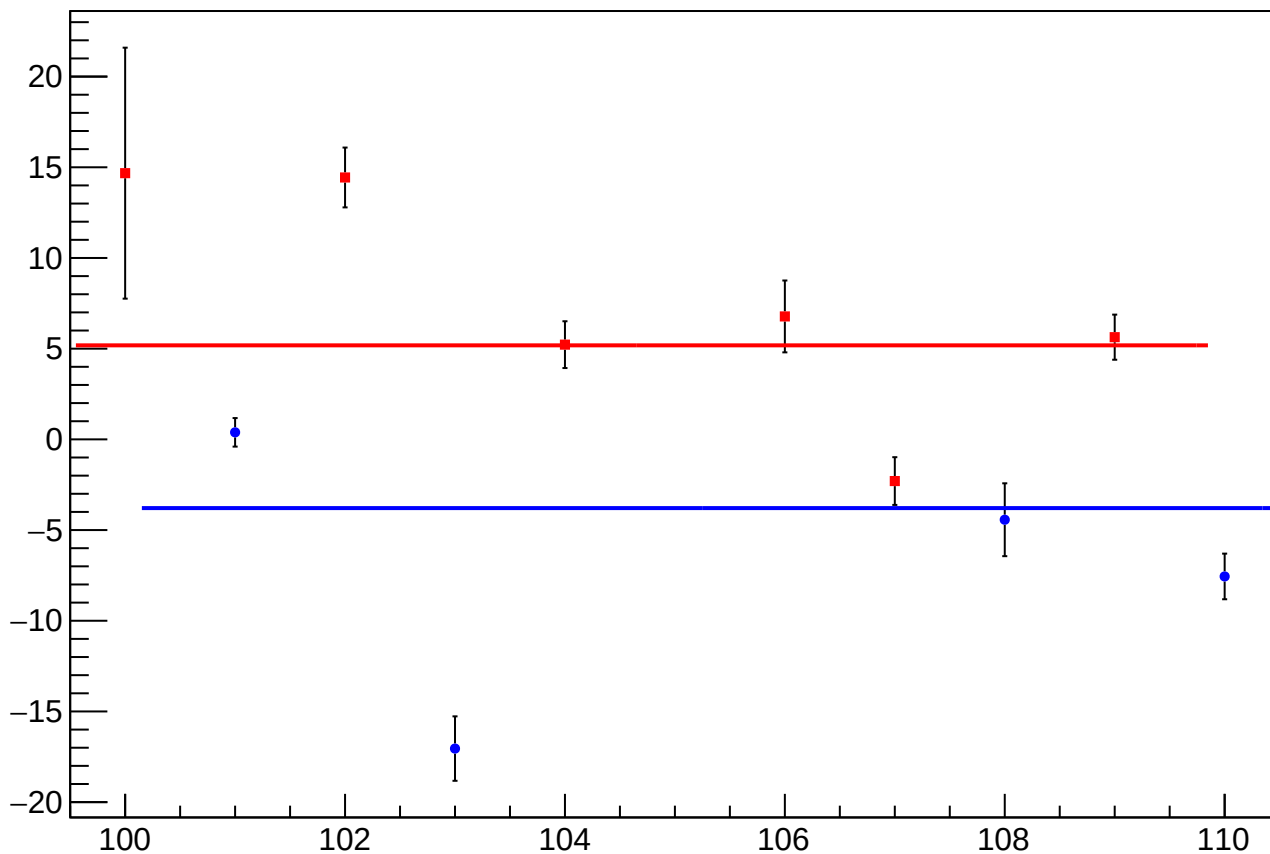
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-30.658+/-0.966  $\chi^2/\text{NDF}$ : 474.3/3

-1.870+/-0.665  $\chi^2/\text{NDF}$ : 2705.2/9

24.053+/-0.917  $\chi^2/\text{NDF}$ : 544.0/5

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.789+/-0.596  $\chi^2$ /NDF: 92.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 5.183+/-0.636  $\chi^2$ /NDF: 66.5/5

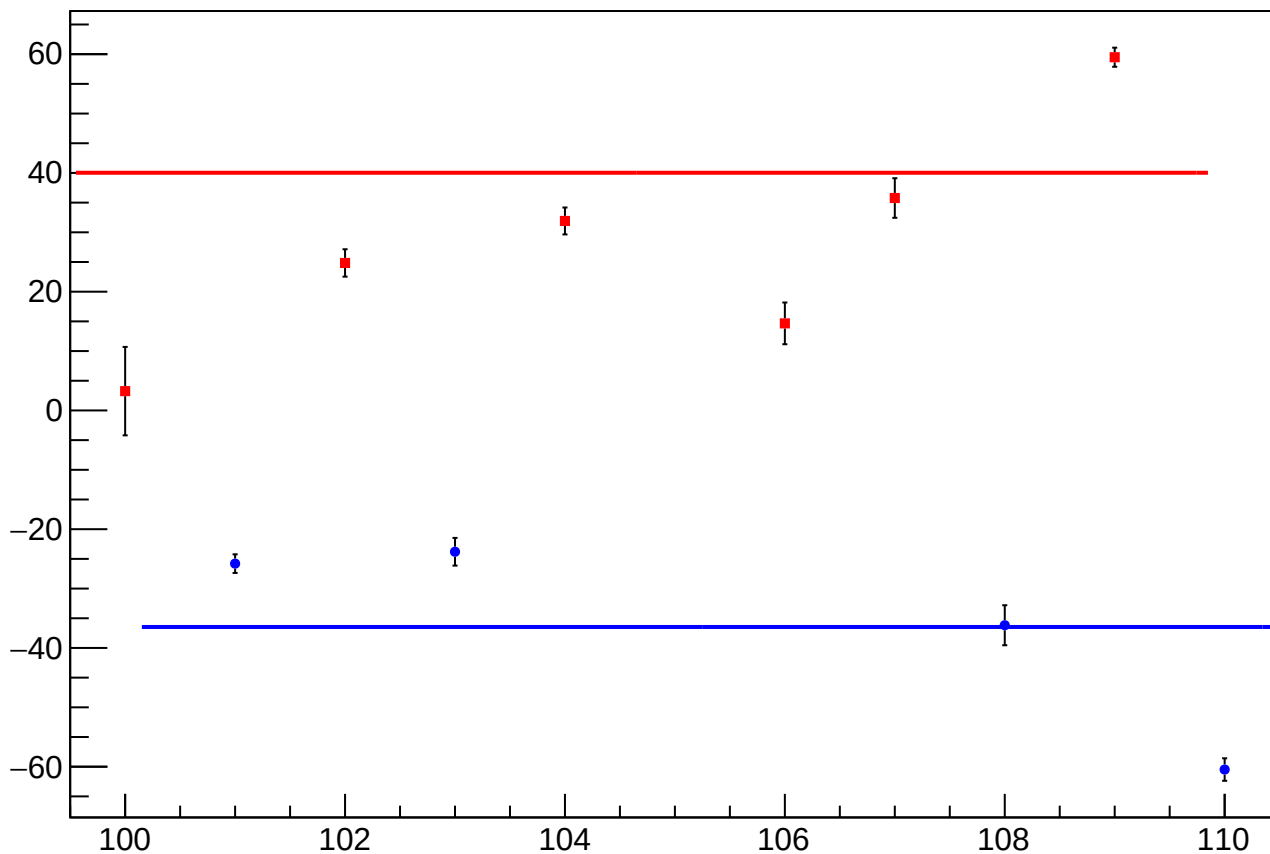
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-3.789+/-0.596  $\chi^2$ /NDF: 92.9/3

0.406+/-0.435  $\chi^2$ /NDF: 265.3/9

5.183+/-0.636  $\chi^2$ /NDF: 66.5/5

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -36.467 $\pm$ 1.023  $\chi^2$ /NDF: 236.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 40.031 $\pm$ 1.022  $\chi^2$ /NDF: 280.7/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

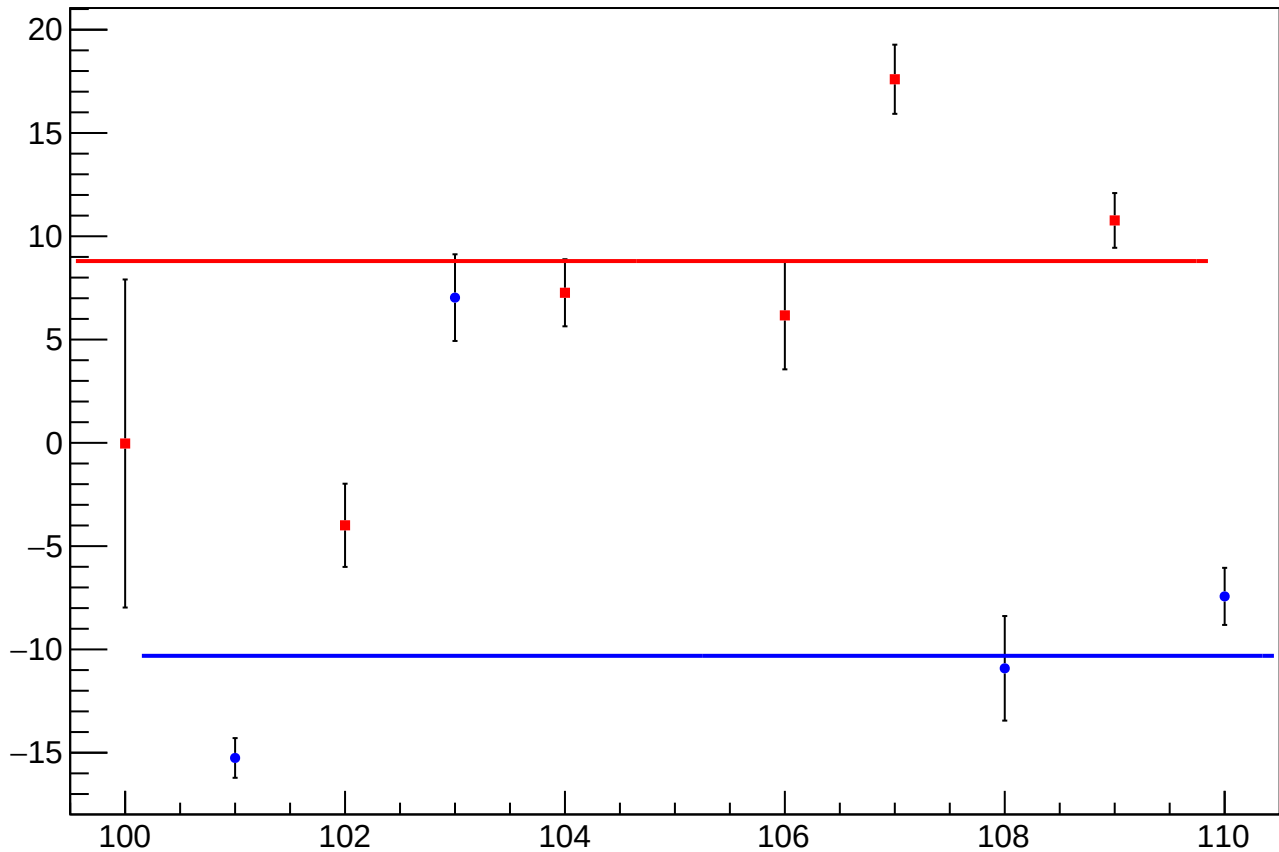
-36.467 $\pm$ 1.023  $\chi^2$ /NDF: 236.2/3

1.813 $\pm$ 0.723  $\chi^2$ /NDF: 3317.8/9

40.031 $\pm$ 1.022  $\chi^2$ /NDF: 280.7/5



reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-10.310 \pm 0.709$   $\chi^2/\text{NDF}: 99.2/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $8.800 \pm 0.764$   $\chi^2/\text{NDF}: 73.3/5$

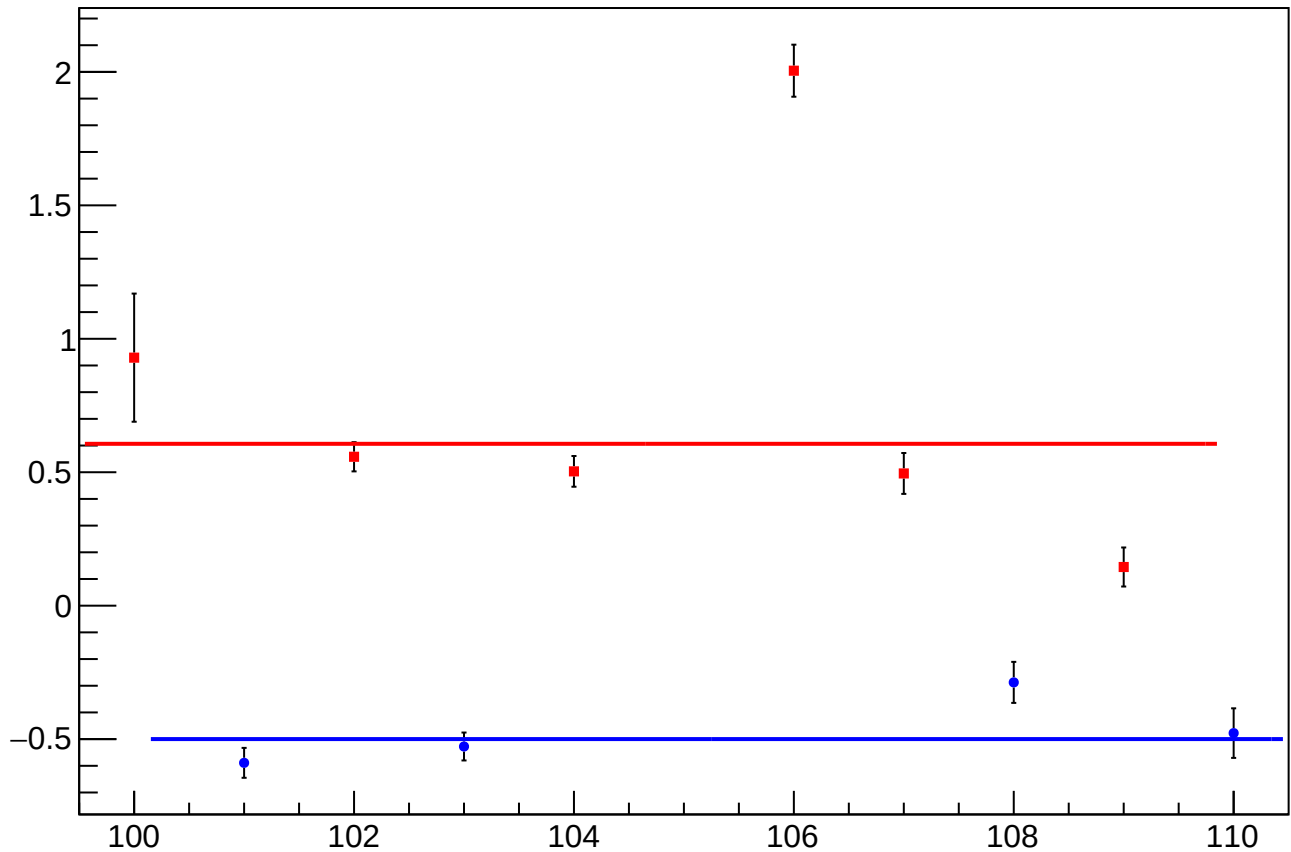
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-10.310 \pm 0.709$   $\chi^2/\text{NDF}: 99.2/3$

$-1.464 \pm 0.520$   $\chi^2/\text{NDF}: 508.8/9$

$8.800 \pm 0.764$   $\chi^2/\text{NDF}: 73.3/5$

reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.500+/-0.032  $\chi^2$ /NDF: 10.5/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.606+/-0.030  $\chi^2$ /NDF: 253.3/5

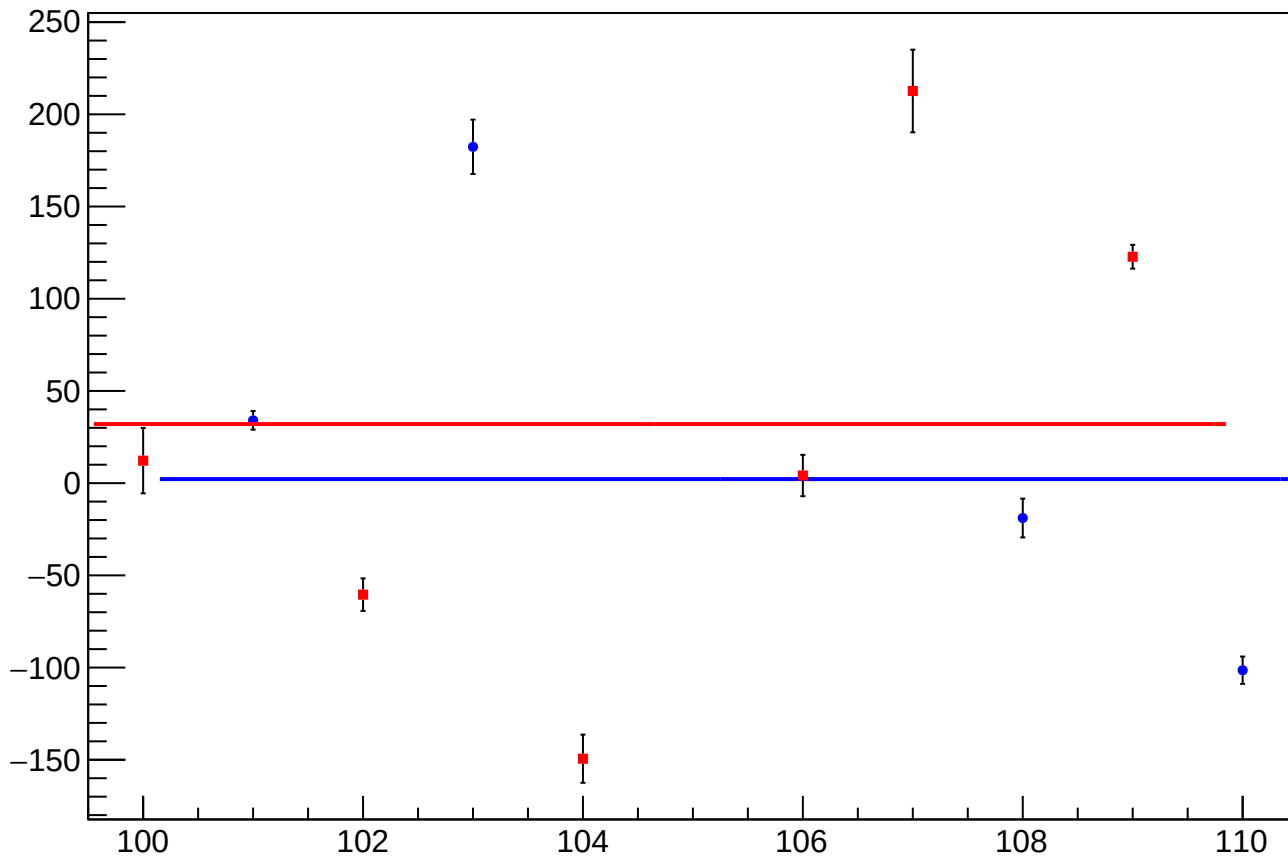
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-0.500+/-0.032  $\chi^2$ /NDF: 10.5/3

0.092+/-0.022  $\chi^2$ /NDF: 898.6/9

0.606+/-0.030  $\chi^2$ /NDF: 253.3/5

reg\_asym\_atl1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.198+/-3.751  $\chi^2/\text{NDF}$ : 388.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 32.041+/-4.234  $\chi^2/\text{NDF}$ : 572.3/5

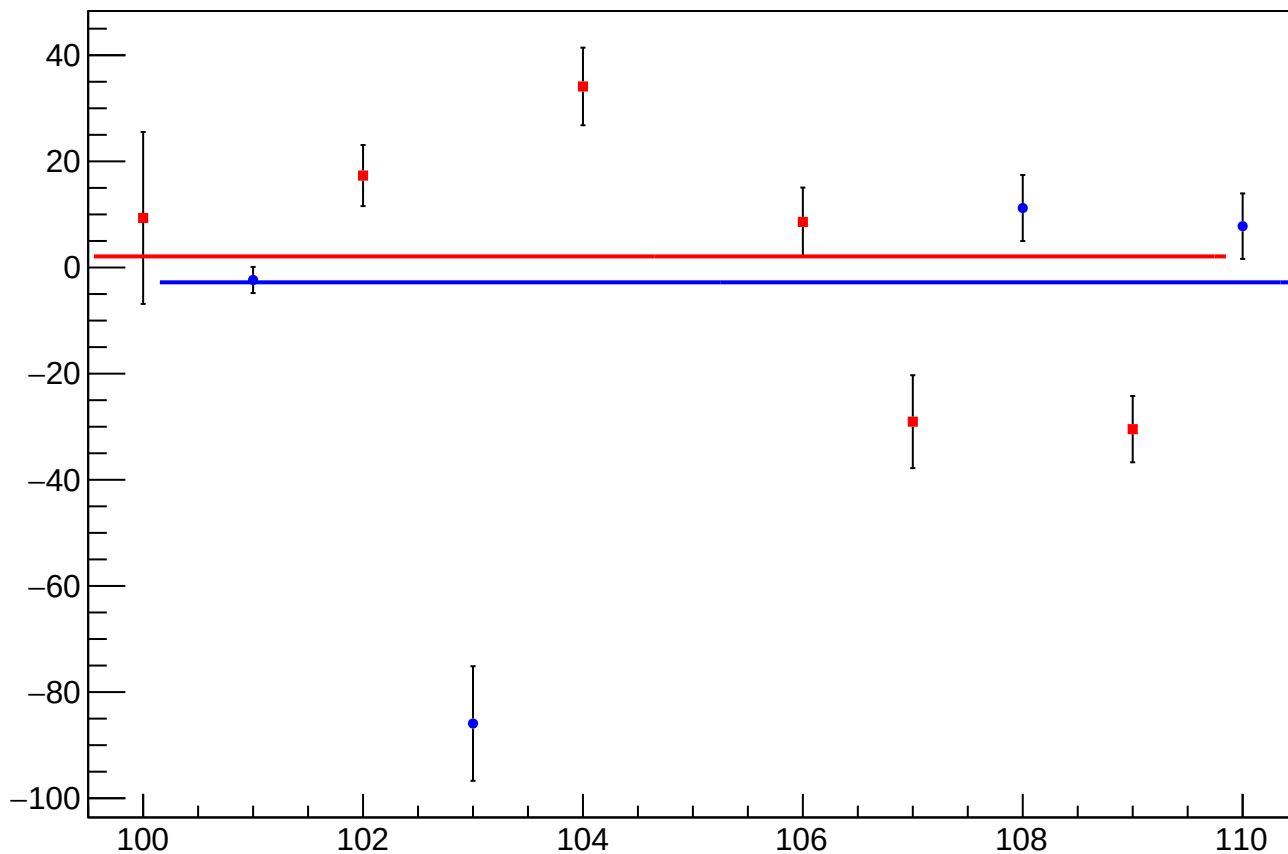
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.198+/-3.751  $\chi^2/\text{NDF}$ : 388.9/3

15.321+/-2.808  $\chi^2/\text{NDF}$ : 989.1/9

32.041+/-4.234  $\chi^2/\text{NDF}$ : 572.3/5

reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-2.792 \pm 2.106$   $\chi^2/\text{NDF}$ : 67.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $2.093 \pm 2.946$   $\chi^2/\text{NDF}$ : 67.2/5

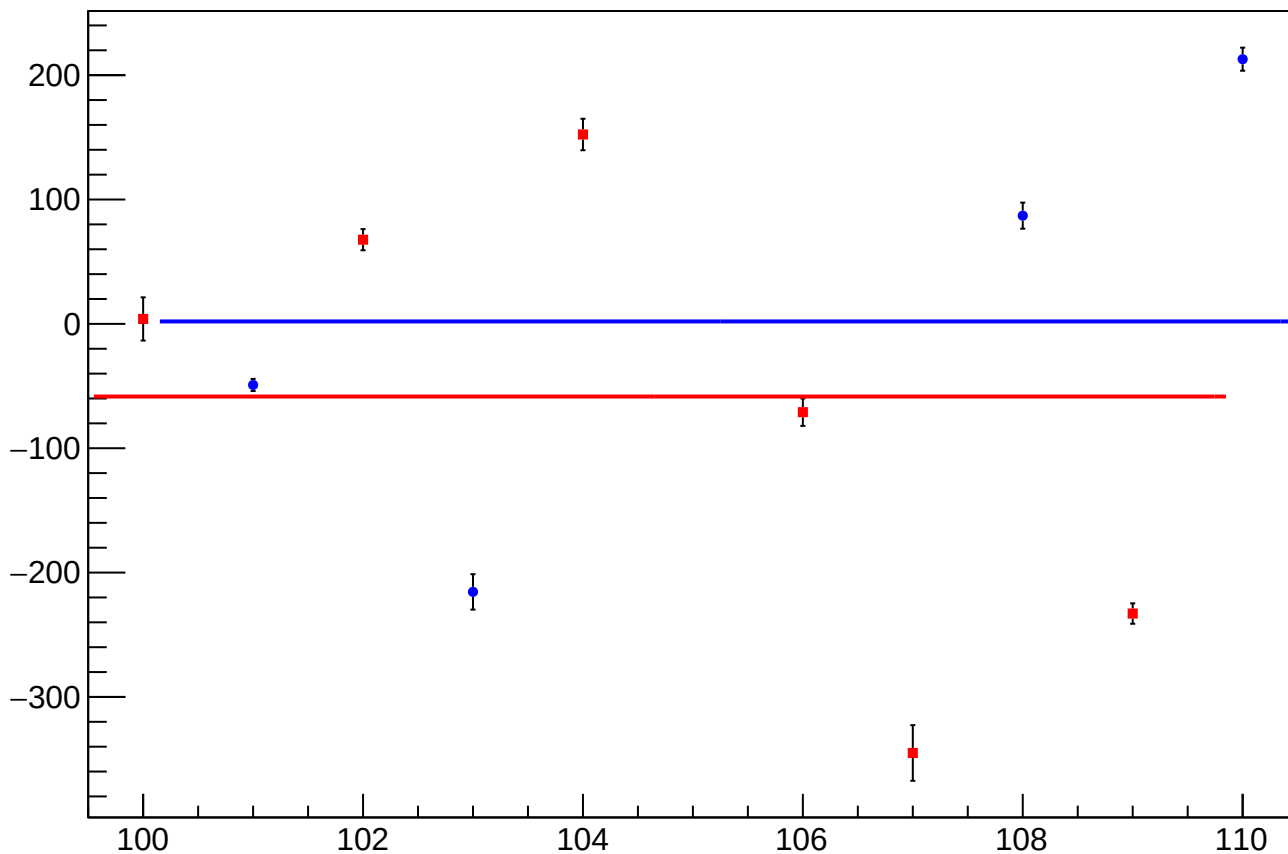
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-2.792 \pm 2.106$   $\chi^2/\text{NDF}$ : 67.3/3

$-1.140 \pm 1.713$   $\chi^2/\text{NDF}$ : 136.4/9

$2.093 \pm 2.946$   $\chi^2/\text{NDF}$ : 67.2/5

reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 1.962+/-3.838  $\chi^2/\text{NDF}$ : 926.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -58.426+/-4.547  $\chi^2/\text{NDF}$ : 1126.8/5

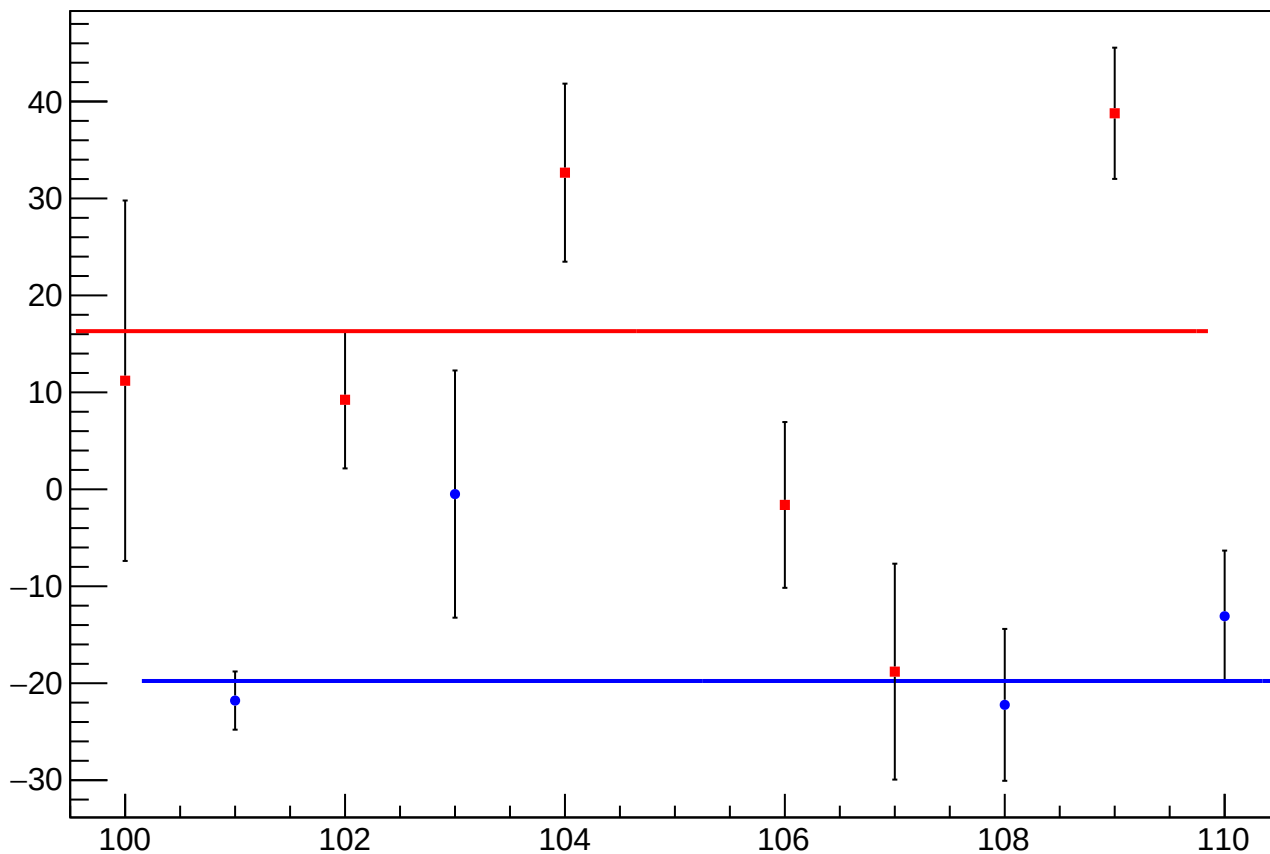
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.962+/-3.838  $\chi^2/\text{NDF}$ : 926.6/3

-23.161+/-2.933  $\chi^2/\text{NDF}$ : 2156.4/9

-58.426+/-4.547  $\chi^2/\text{NDF}$ : 1126.8/5

reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -19.769+/-2.538  $\chi^2/\text{NDF}$ : 3.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 16.314+/-3.574  $\chi^2/\text{NDF}$ : 29.6/5

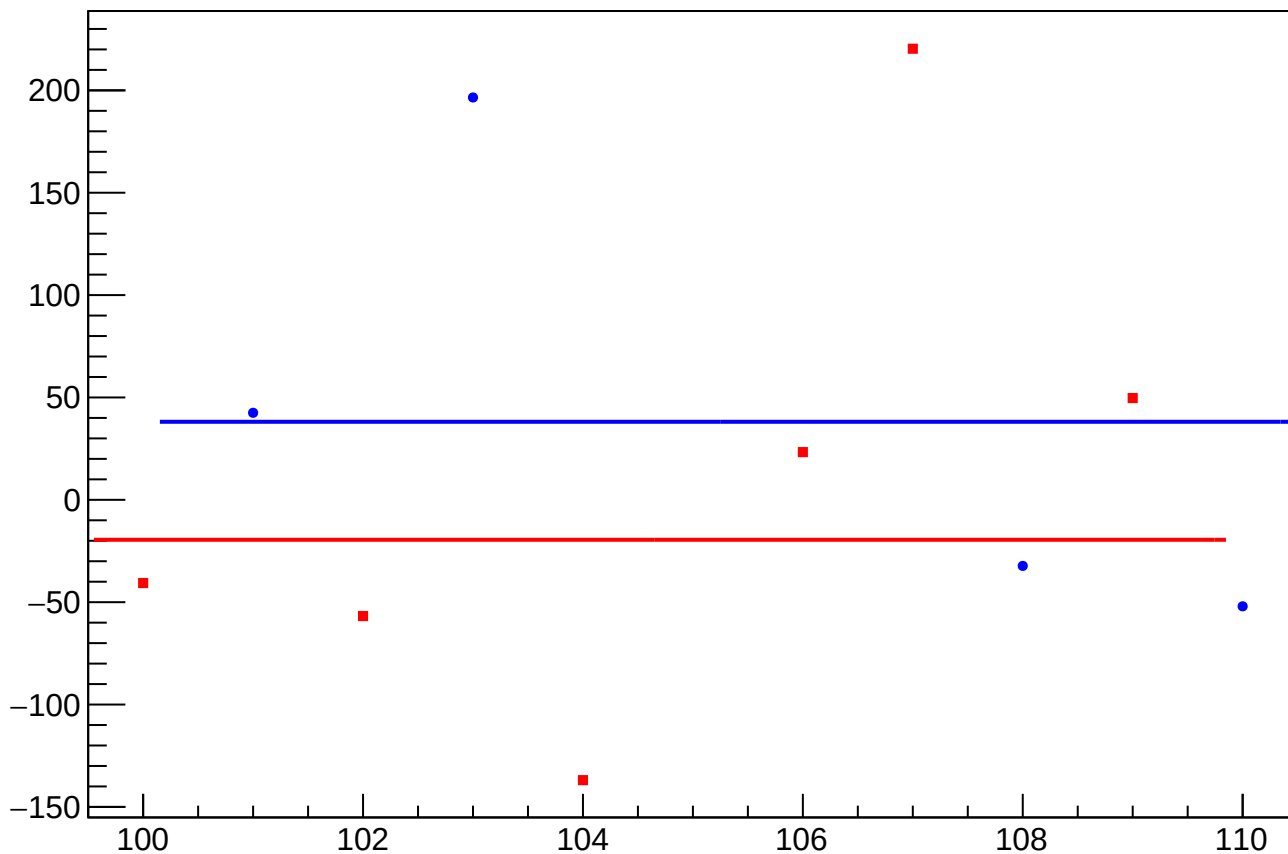
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-19.769+/-2.538  $\chi^2/\text{NDF}$ : 3.8/3

-7.676+/-2.069  $\chi^2/\text{NDF}$ : 101.2/9

16.314+/-3.574  $\chi^2/\text{NDF}$ : 29.6/5

reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 38.121+/-0.124  $\chi^2/\text{NDF}$ : 374331.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -19.521+/-0.127  $\chi^2/\text{NDF}$ : 451749.6/5

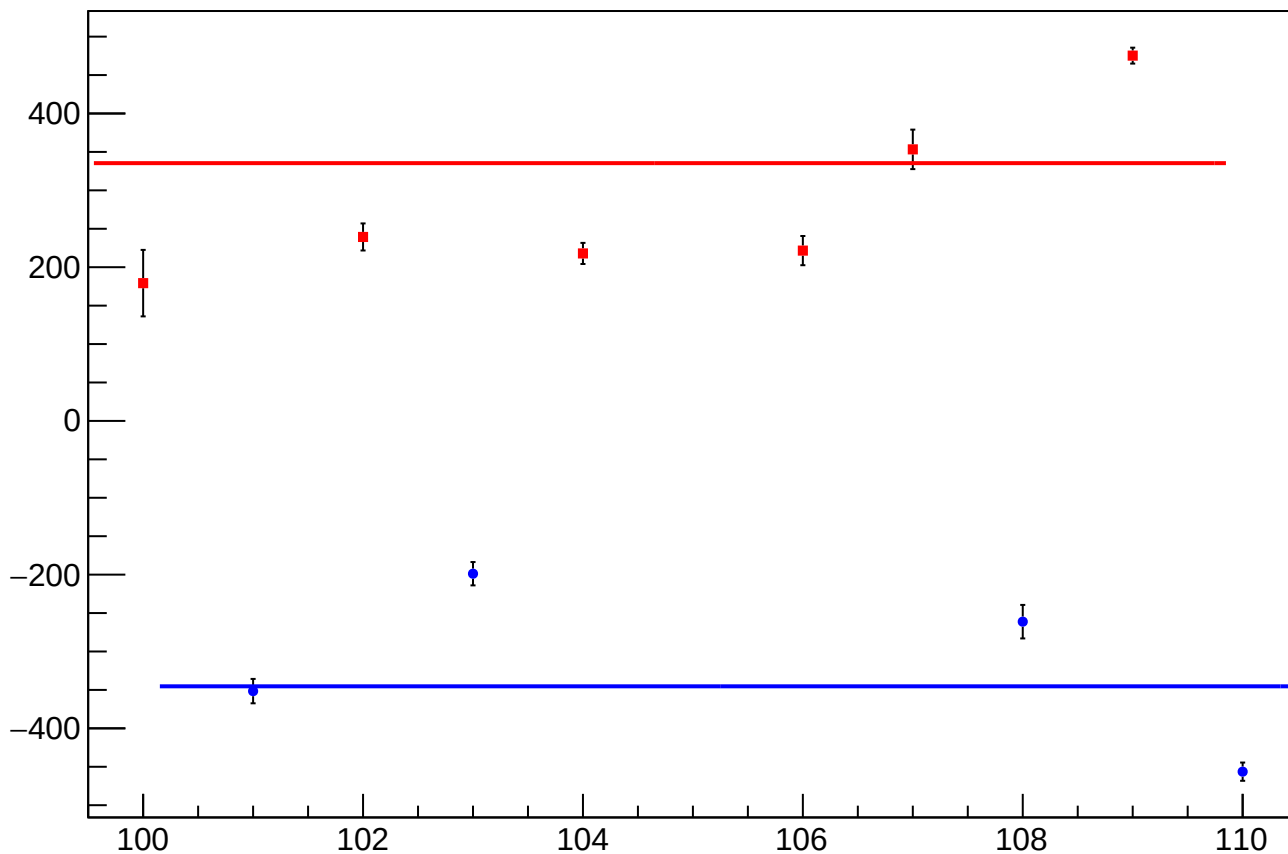
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

38.121+/-0.124  $\chi^2/\text{NDF}$ : 374331.4/3

10.015+/-0.089  $\chi^2/\text{NDF}$ : 931706.0/9

-19.521+/-0.127  $\chi^2/\text{NDF}$ : 451749.6/5

reg\_asym\_atl2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-345.321 \pm 7.557$   $\chi^2/\text{NDF}$ : 195.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $335.388 \pm 6.641$   $\chi^2/\text{NDF}$ : 334.9/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

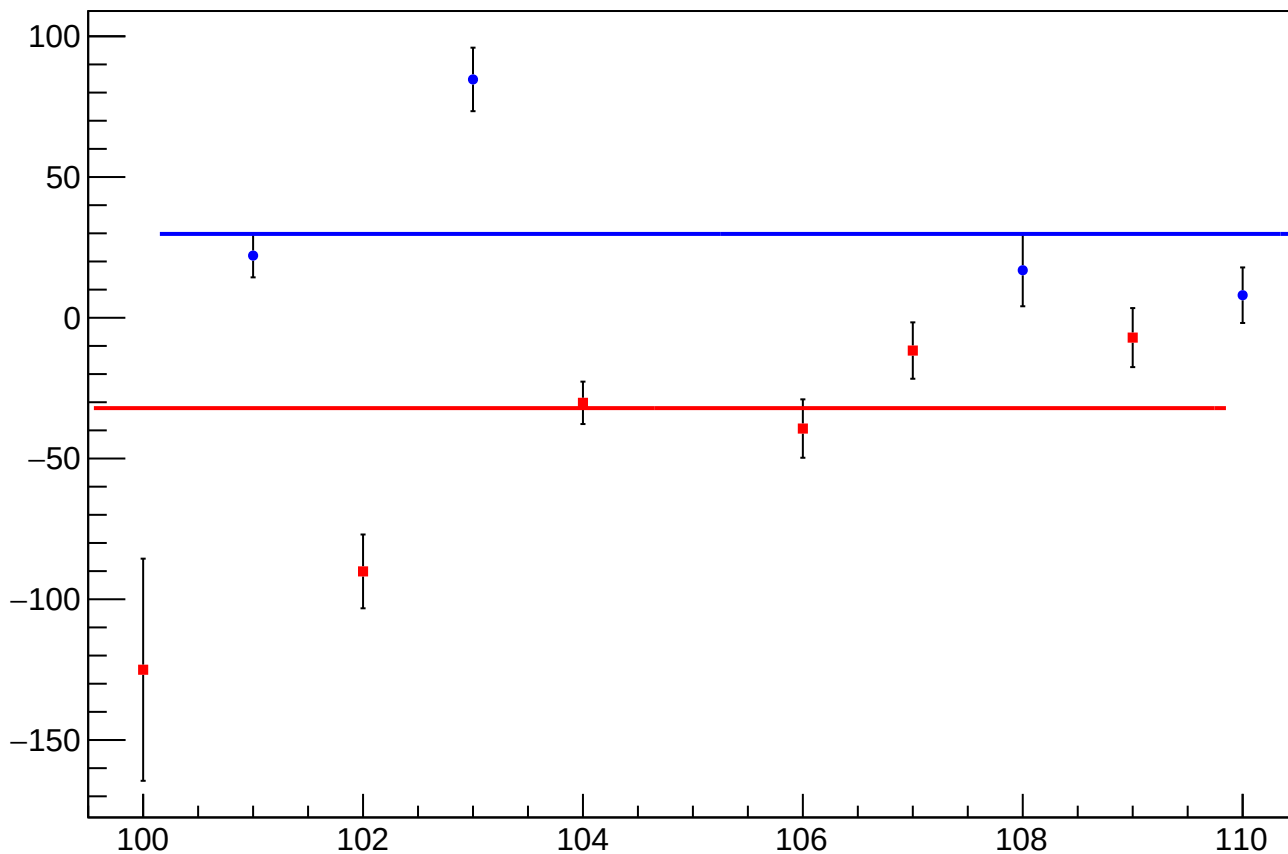
$-345.321 \pm 7.557$   $\chi^2/\text{NDF}$ : 195.7/3

$38.788 \pm 4.988$   $\chi^2/\text{NDF}$ : 5108.9/9

$335.388 \pm 6.641$   $\chi^2/\text{NDF}$ : 334.9/5



reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 29.792+/-4.941  $\chi^2$ /NDF: 30.5/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -32.094+/-4.367  $\chi^2$ /NDF: 35.6/5

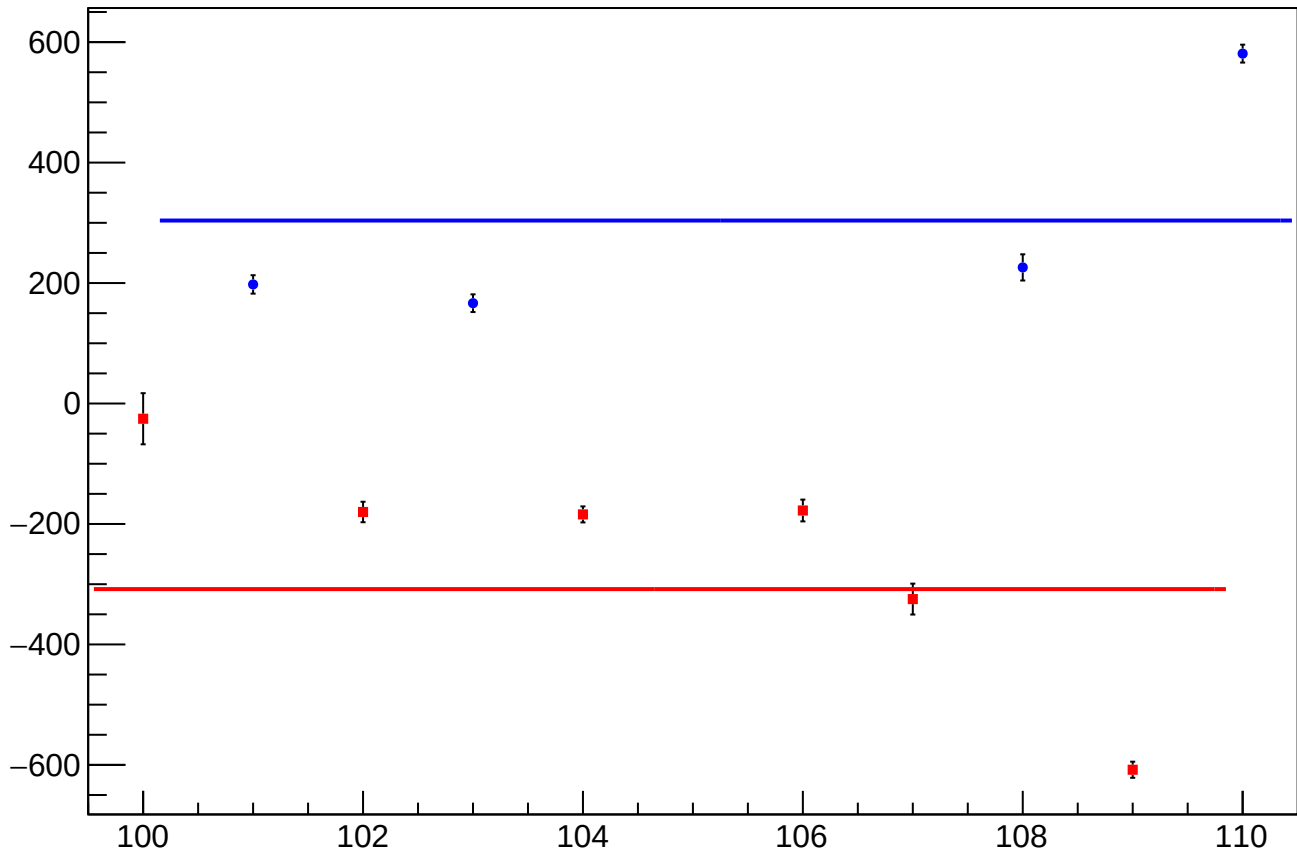
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

29.792+/-4.941  $\chi^2$ /NDF: 30.5/3

-4.952+/-3.272  $\chi^2$ /NDF: 154.2/9

-32.094+/-4.367  $\chi^2$ /NDF: 35.6/5

reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 303.803 $\pm$ 8.015  $\chi^2$ /NDF: 496.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -308.128 $\pm$ 7.100  $\chi^2$ /NDF: 743.2/5

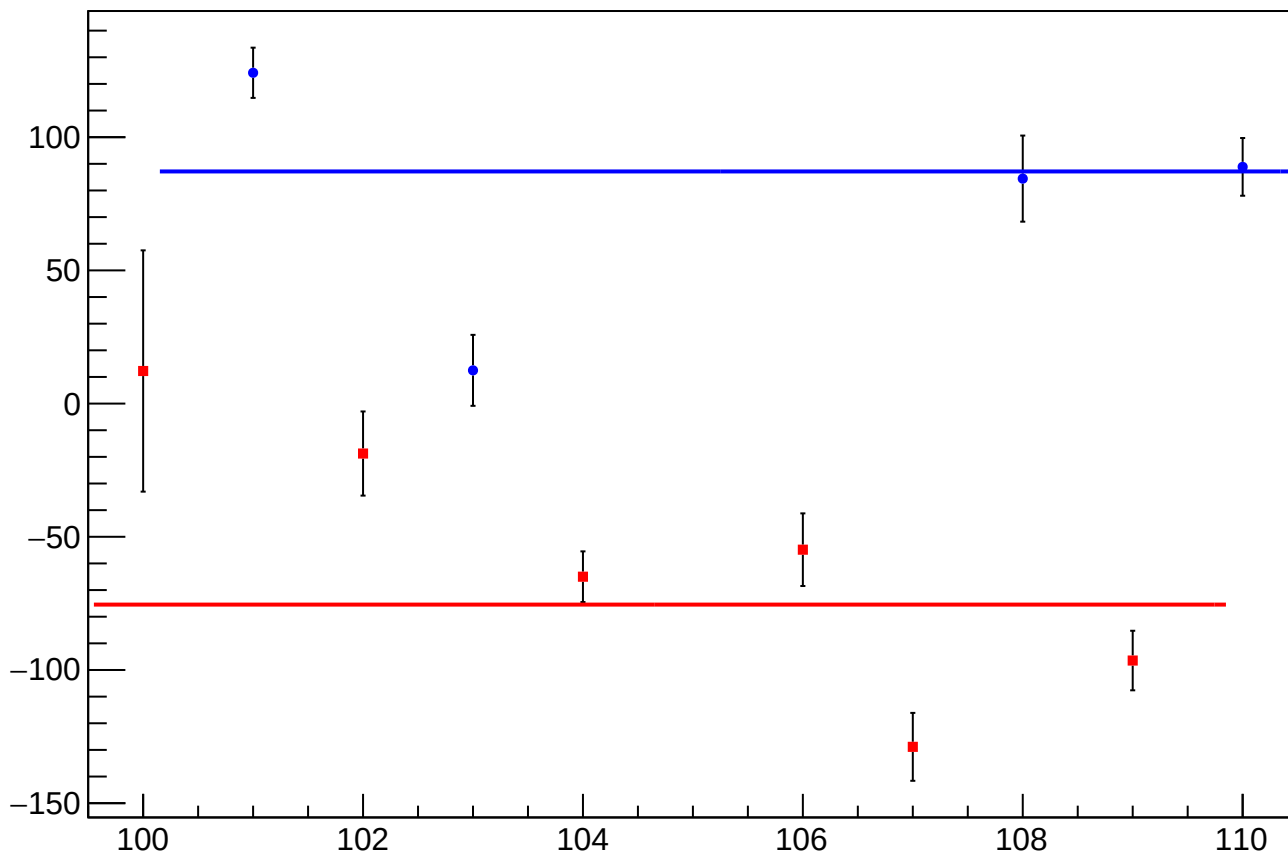
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

303.803 $\pm$ 8.015  $\chi^2$ /NDF: 496.3/3

-39.091 $\pm$ 5.315  $\chi^2$ /NDF: 4505.6/9

-308.128 $\pm$ 7.100  $\chi^2$ /NDF: 743.2/5

reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 87.143+/-5.849  $\chi^2$ /NDF: 46.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -75.455+/-5.338  $\chi^2$ /NDF: 41.2/5

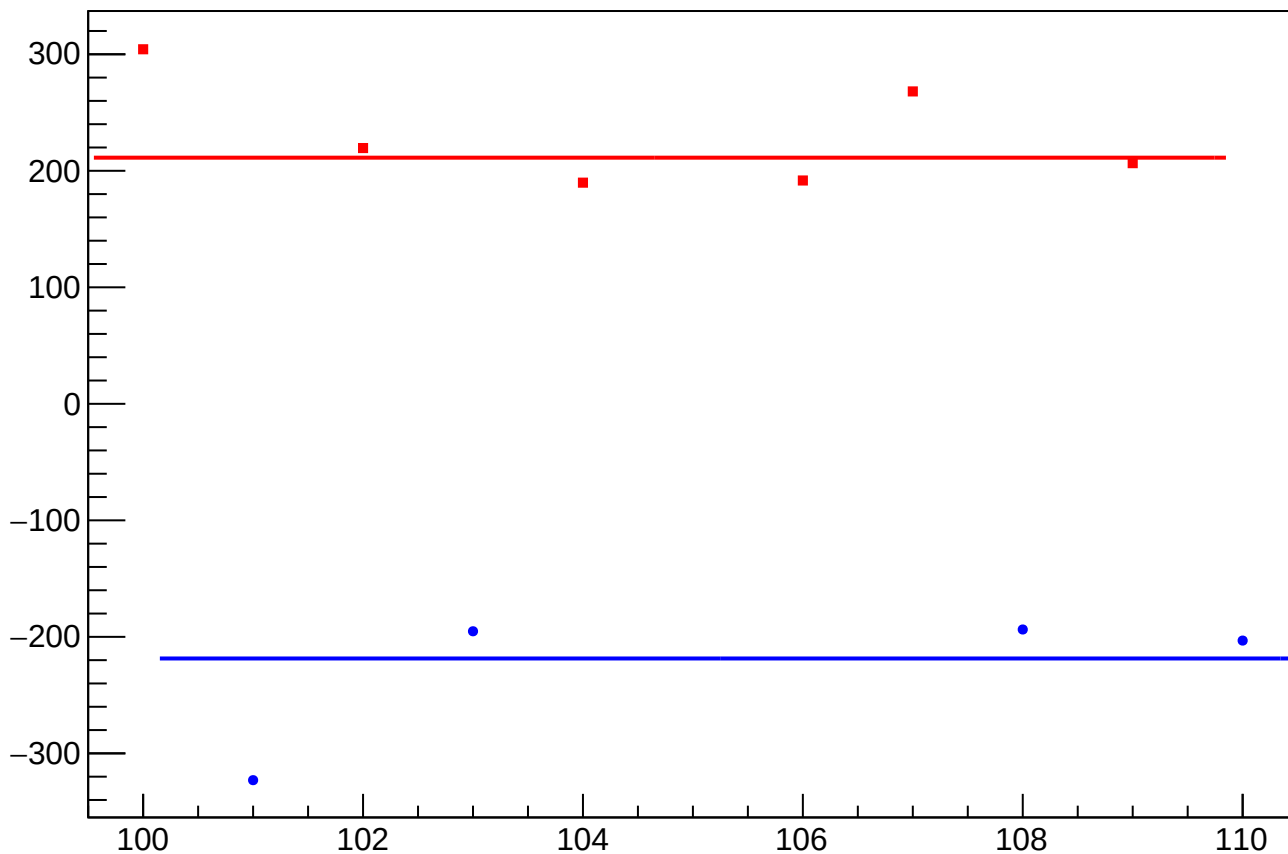
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

87.143+/-5.849  $\chi^2$ /NDF: 46.9/3

-1.562+/-3.943  $\chi^2$ /NDF: 509.8/9

-75.455+/-5.338  $\chi^2$ /NDF: 41.2/5

reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -218.560+/-0.233  $\chi^2/\text{NDF}$ : 43920.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 211.269+/-0.201  $\chi^2/\text{NDF}$ : 19702.7/5

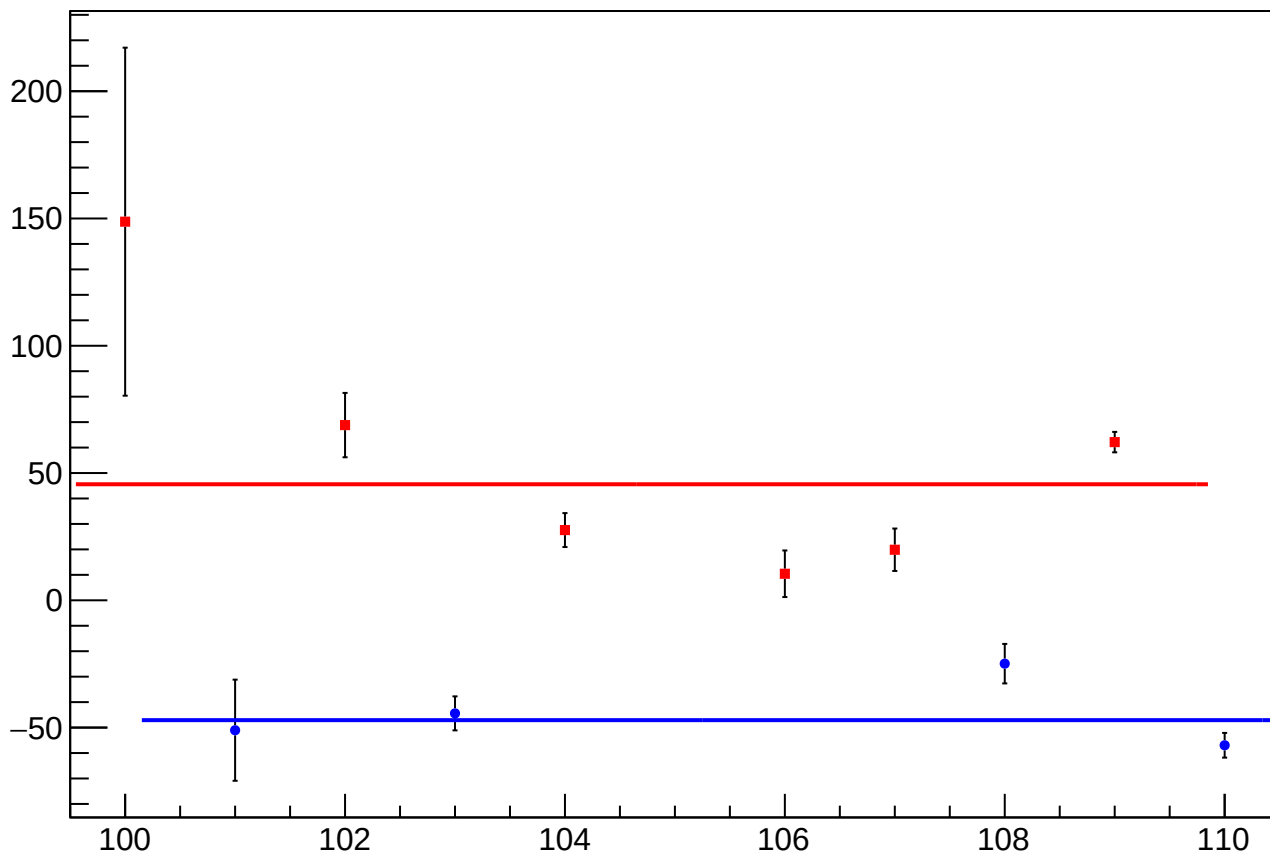
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-218.560+/-0.233  $\chi^2/\text{NDF}$ : 43920.2/3

27.737+/-0.152  $\chi^2/\text{NDF}$ : 2014567.8/9

211.269+/-0.201  $\chi^2/\text{NDF}$ : 19702.7/5

reg\_asym\_atr1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -47.084 $\pm$ 3.451  $\chi^2$ /NDF: 12.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 45.589 $\pm$ 2.919  $\chi^2$ /NDF: 54.2/5

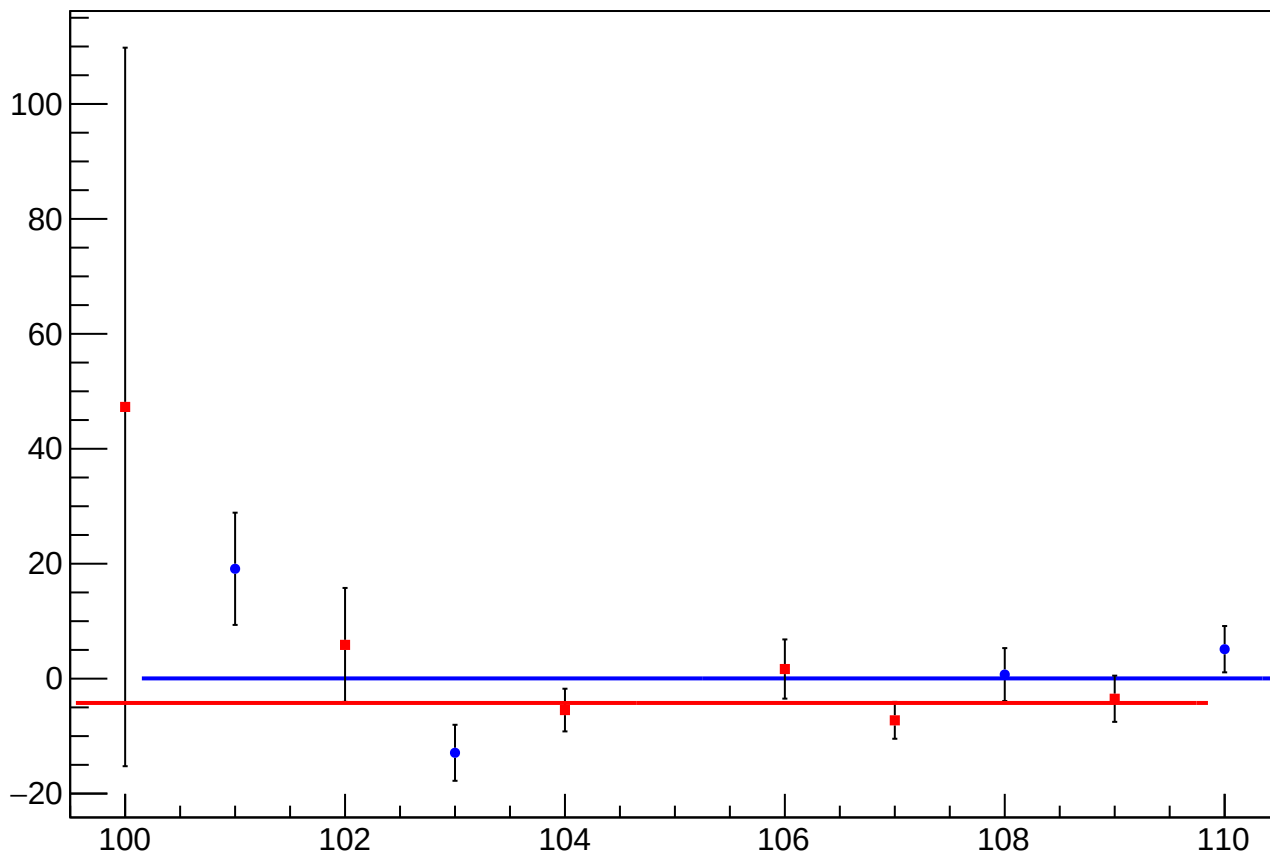
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-47.084 $\pm$ 3.451  $\chi^2$ /NDF: 12.5/3

6.933 $\pm$ 2.229  $\chi^2$ /NDF: 487.2/9

45.589 $\pm$ 2.919  $\chi^2$ /NDF: 54.2/5

reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.041+/-2.489  $\chi^2/\text{NDF}$ : 12.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.231+/-1.890  $\chi^2/\text{NDF}$ : 4.1/5

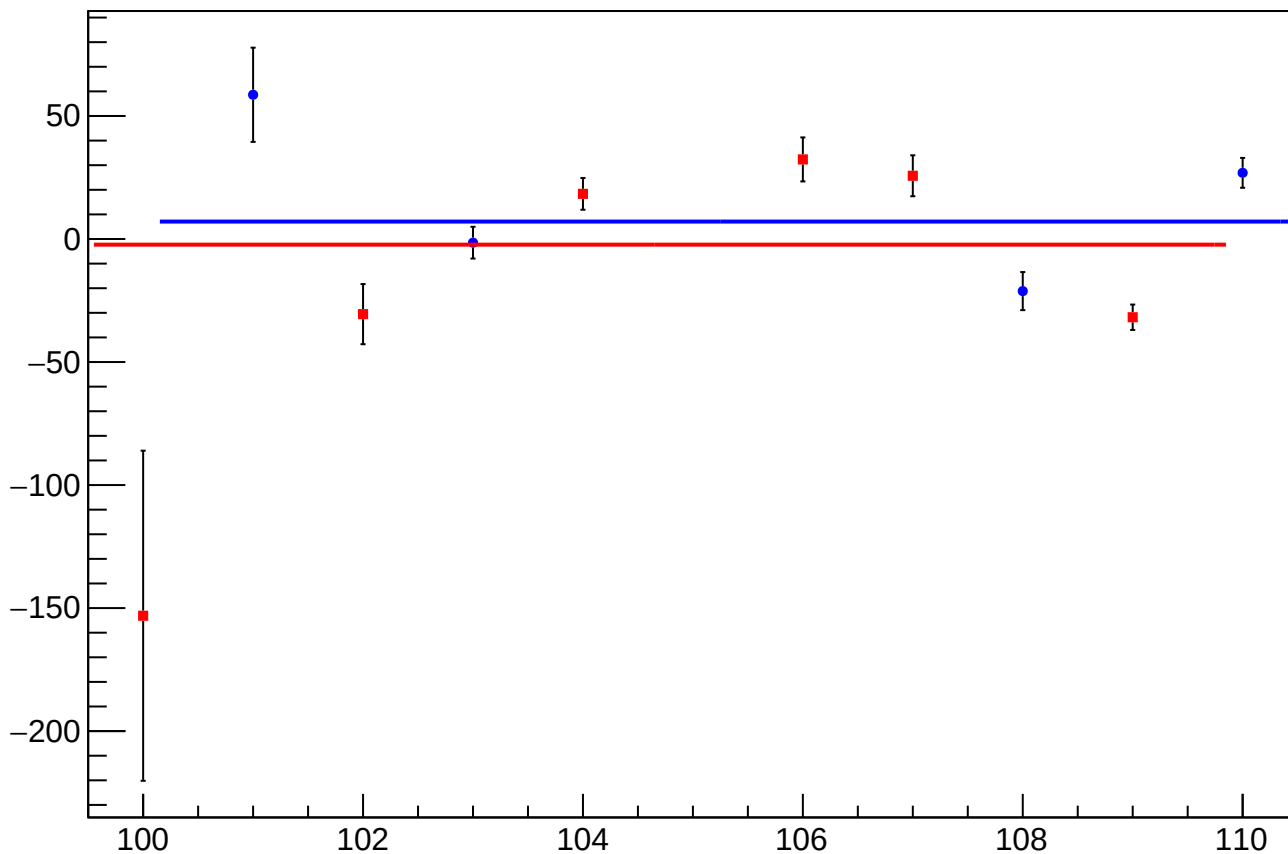
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.041+/-2.489  $\chi^2/\text{NDF}$ : 12.5/3

-2.668+/-1.506  $\chi^2/\text{NDF}$ : 18.4/9

-4.231+/-1.890  $\chi^2/\text{NDF}$ : 4.1/5

reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 7.089+/-3.765  $\chi^2/\text{NDF}$ : 33.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.296+/-3.236  $\chi^2/\text{NDF}$ : 79.7/5

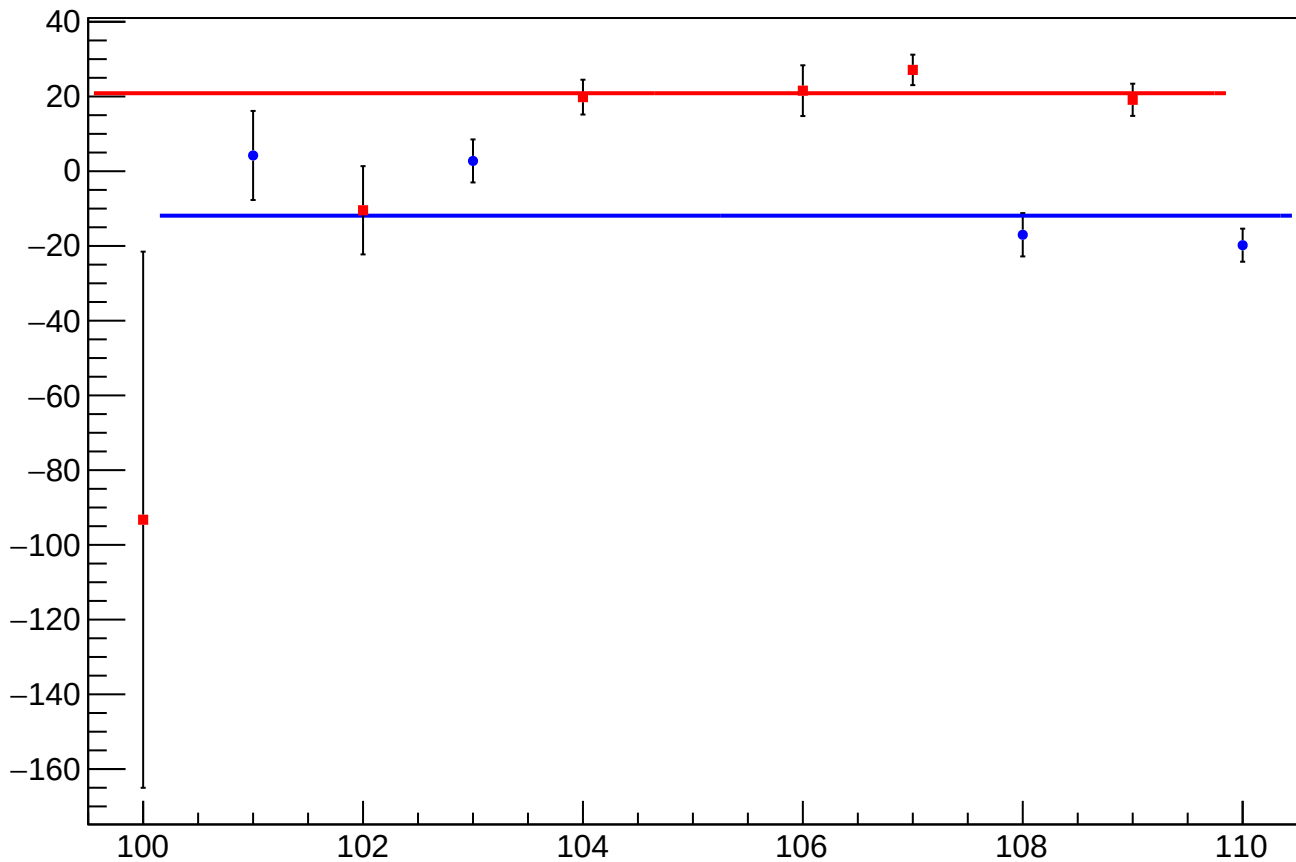
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

7.089+/-3.765  $\chi^2/\text{NDF}$ : 33.0/3

1.691+/-2.454  $\chi^2/\text{NDF}$ : 116.3/9

-2.296+/-3.236  $\chi^2/\text{NDF}$ : 79.7/5

reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -11.896+/-2.910  $\chi^2/\text{NDF}$ : 12.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 20.878+/-2.299  $\chi^2/\text{NDF}$ : 12.1/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

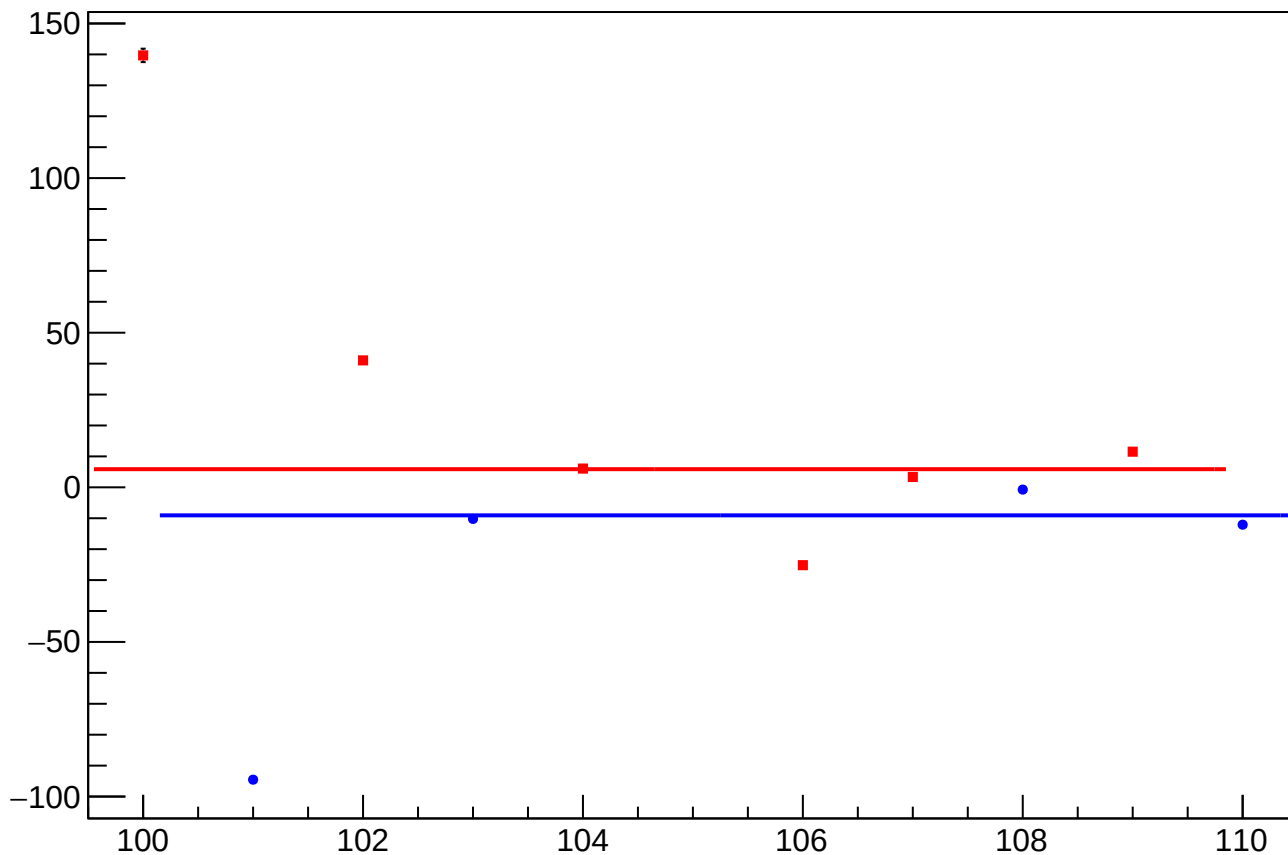
-11.896+/-2.910  $\chi^2/\text{NDF}$ : 12.3/3

8.280+/-1.804  $\chi^2/\text{NDF}$ : 102.5/9

20.878+/-2.299  $\chi^2/\text{NDF}$ : 12.1/5



reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -9.066+/-0.103  $\chi^2/\text{NDF}$ : 17924.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.866+/-0.092  $\chi^2/\text{NDF}$ : 37278.0/5

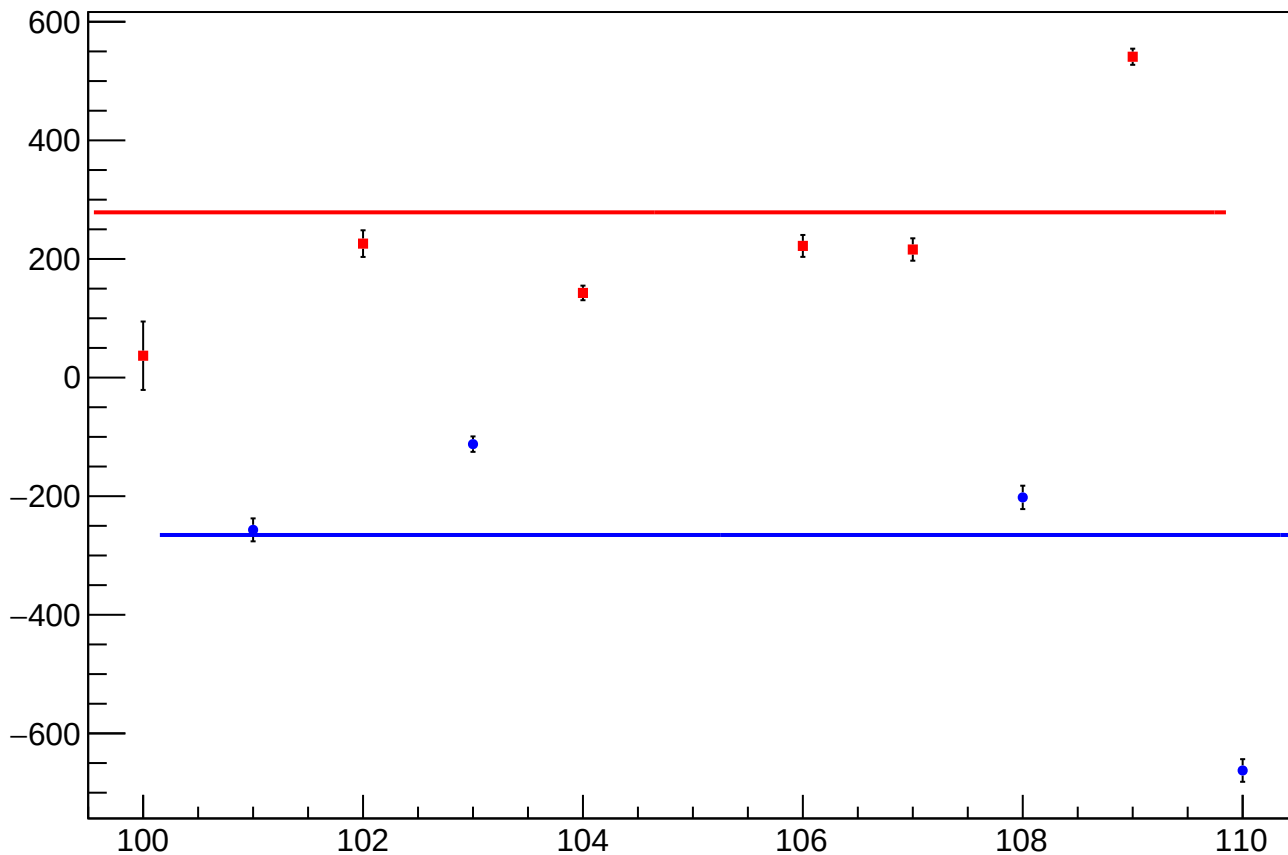
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9.066+/-0.103  $\chi^2/\text{NDF}$ : 17924.5/3

-0.774+/-0.069  $\chi^2/\text{NDF}$ : 66794.3/9

5.866+/-0.092  $\chi^2/\text{NDF}$ : 37278.0/5

reg\_asym\_atr2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -265.421+/-8.485  $\chi^2$ /NDF: 581.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 278.635+/-7.065  $\chi^2$ /NDF: 537.7/5

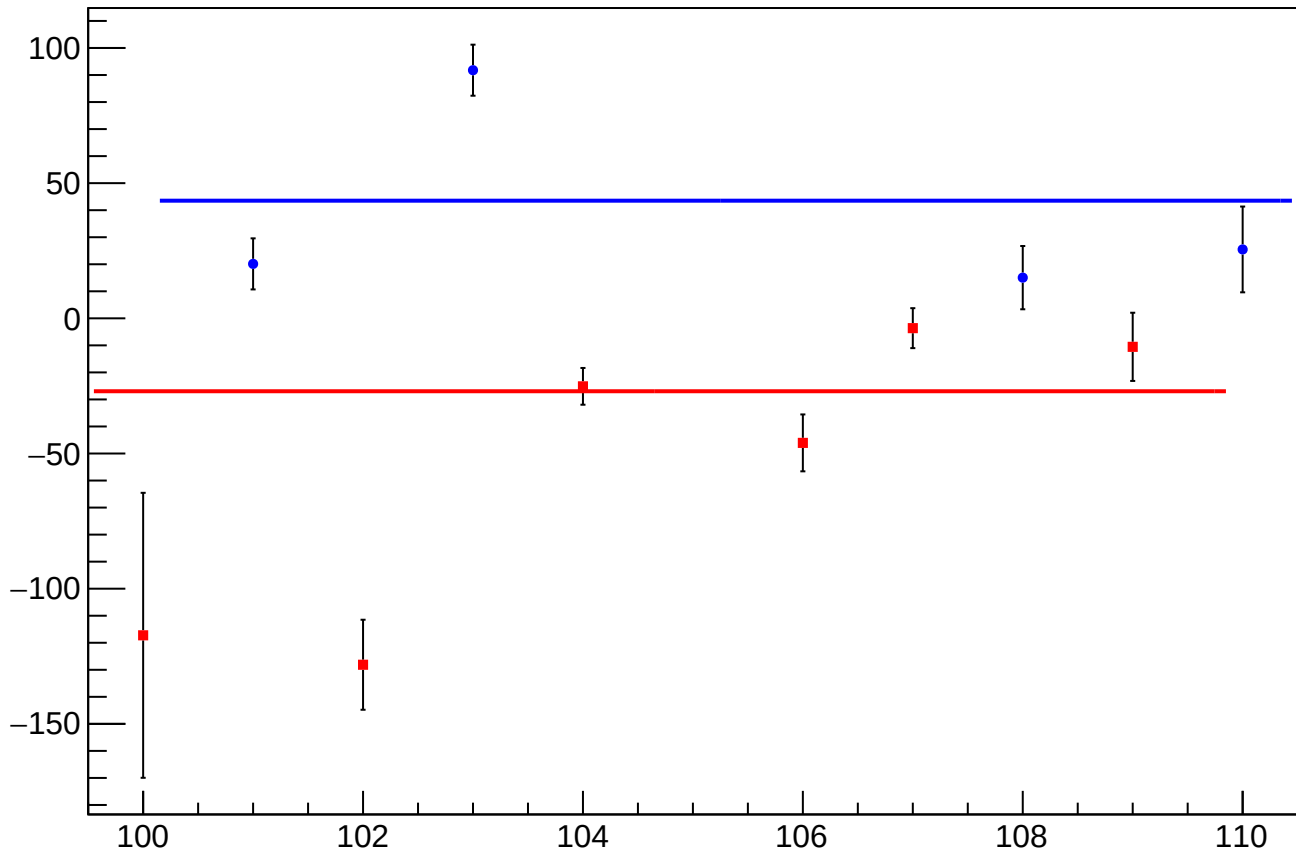
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-265.421+/-8.485  $\chi^2$ /NDF: 581.9/3

55.897+/-5.429  $\chi^2$ /NDF: 3547.7/9

278.635+/-7.065  $\chi^2$ /NDF: 537.7/5

reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 43.515+/-5.447  $\chi^2/\text{NDF}$ : 39.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -26.970+/-4.108  $\chi^2/\text{NDF}$ : 54.9/5

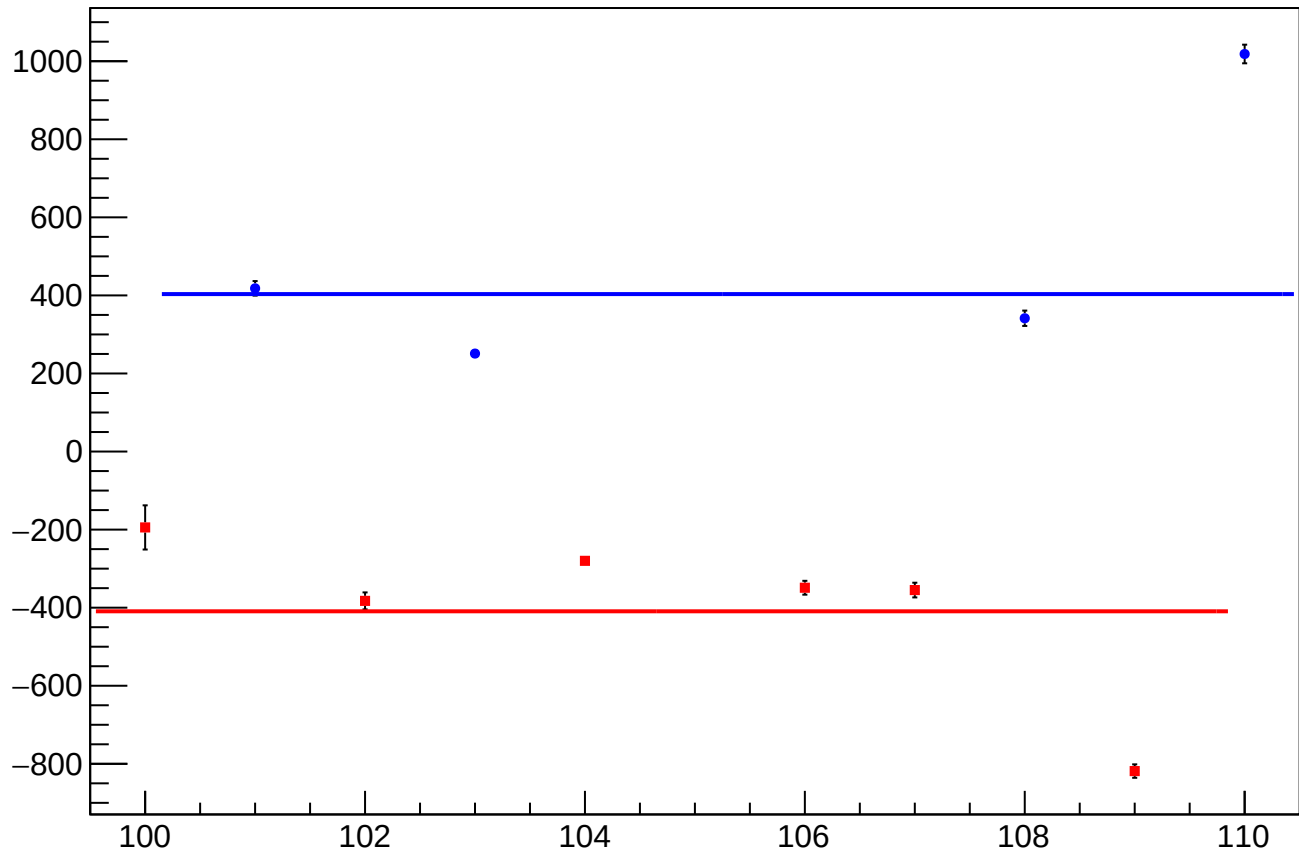
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

43.515+/-5.447  $\chi^2/\text{NDF}$ : 39.5/3

-1.411+/-3.280  $\chi^2/\text{NDF}$ : 201.1/9

-26.970+/-4.108  $\chi^2/\text{NDF}$ : 54.9/5

reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 403.384+/-8.598  $\chi^2/\text{NDF}$ : 821.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -409.290+/-7.283  $\chi^2/\text{NDF}$ : 719.1/5

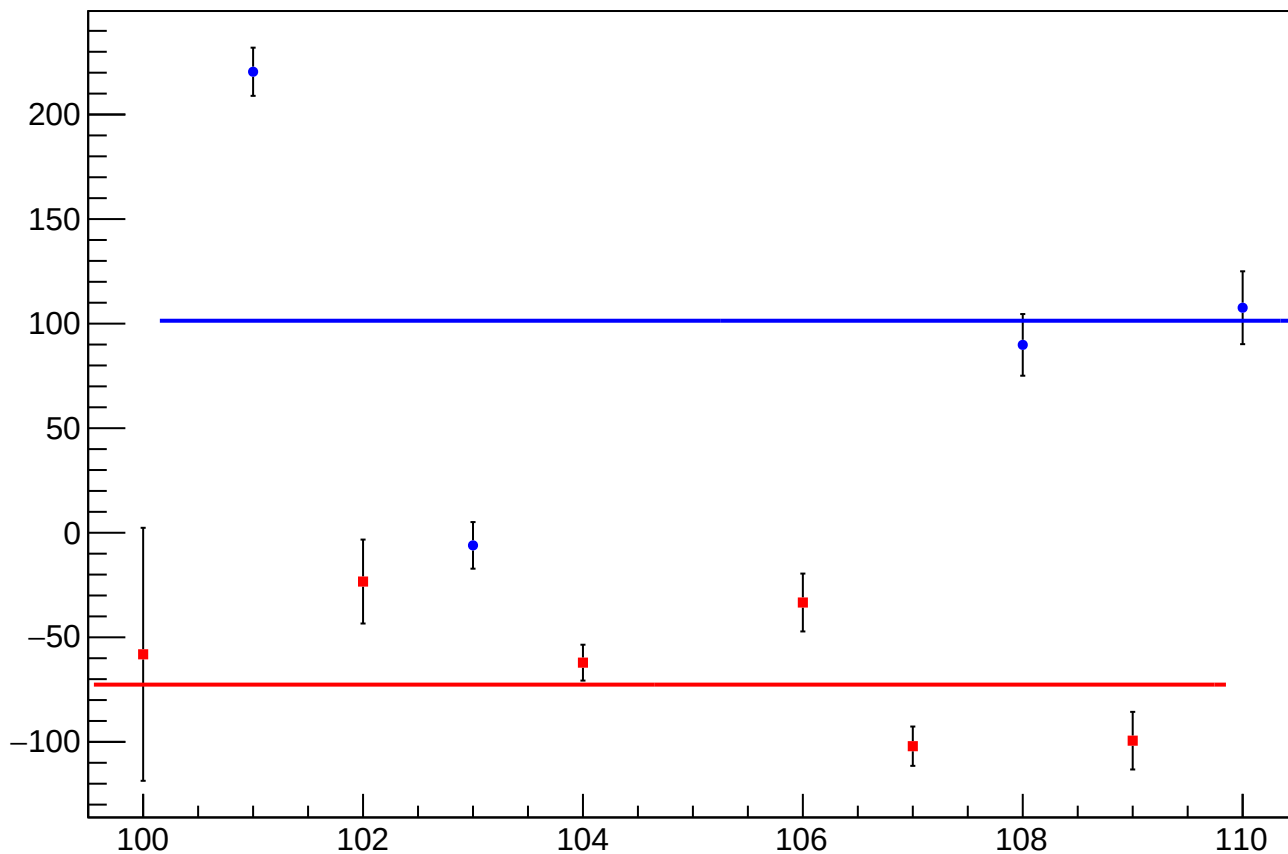
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

403.384+/-8.598  $\chi^2/\text{NDF}$ : 821.0/3

-69.776+/-5.557  $\chi^2/\text{NDF}$ : 6742.1/9

-409.290+/-7.283  $\chi^2/\text{NDF}$ : 719.1/5

reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 101.384+/-6.526  $\chi^2/\text{NDF}$ : 200.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -72.621+/-5.119  $\chi^2/\text{NDF}$ : 29.2/5

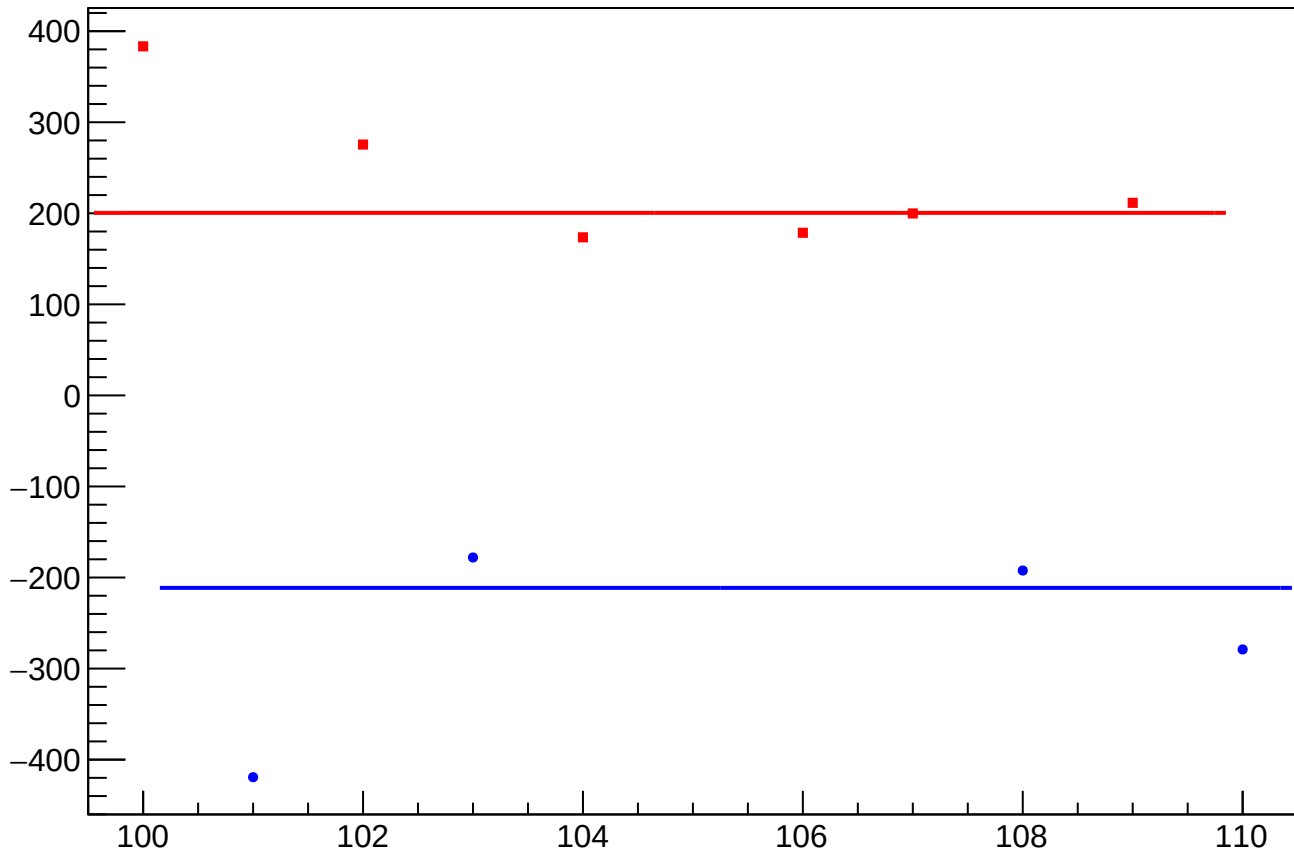
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

101.384+/-6.526  $\chi^2/\text{NDF}$ : 200.5/3

-6.348+/-4.028  $\chi^2/\text{NDF}$ : 669.9/9

-72.621+/-5.119  $\chi^2/\text{NDF}$ : 29.2/5

reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -211.350+/-0.221  $\chi^2/\text{NDF}$ : 115339.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 200.465+/-0.195  $\chi^2/\text{NDF}$ : 42121.1/5

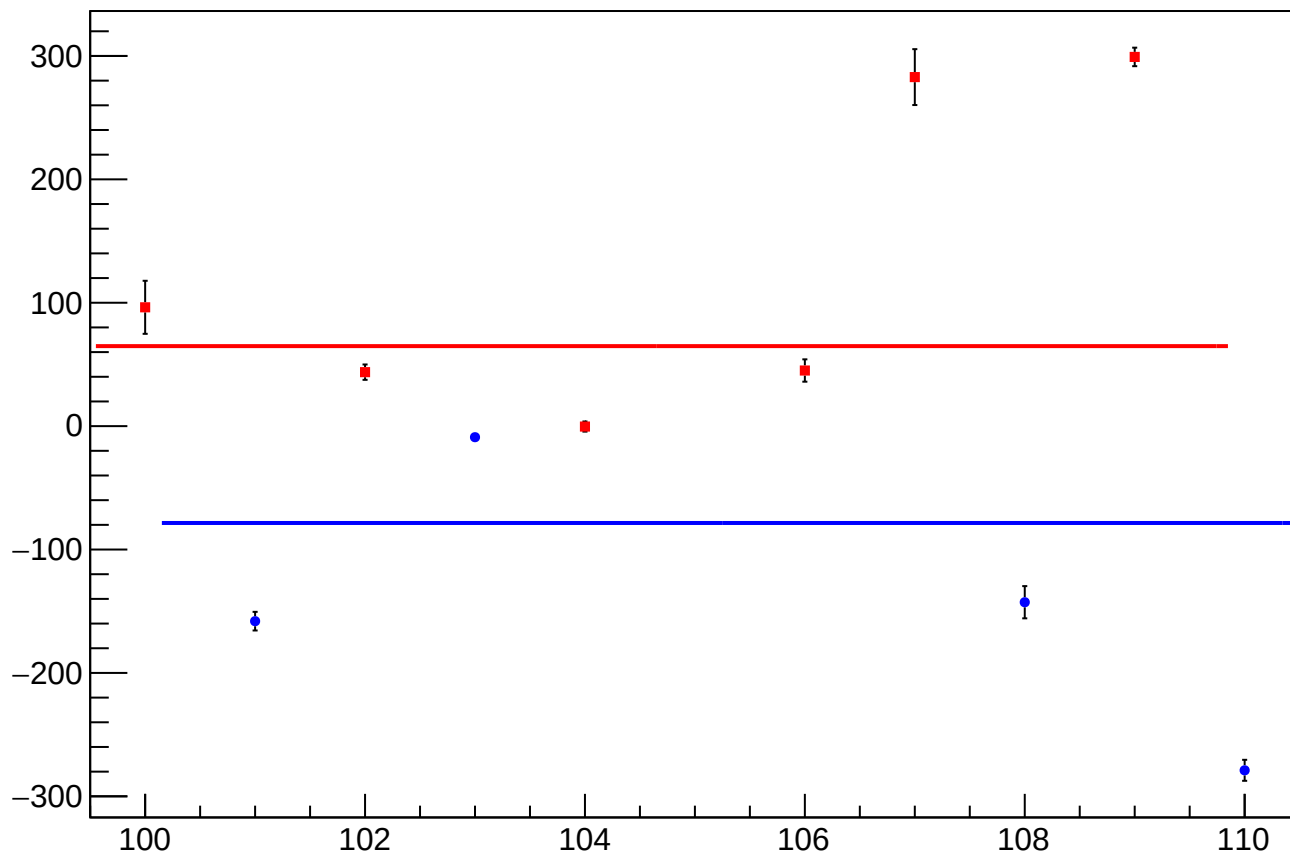
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-211.350+/-0.221  $\chi^2/\text{NDF}$ : 115339.2/3

20.499+/-0.146  $\chi^2/\text{NDF}$ : 2111205.9/9

200.465+/-0.195  $\chi^2/\text{NDF}$ : 42121.1/5

reg\_asym\_atl\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -78.478+/-3.121  $\chi^2/\text{NDF}$ : 1007.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 64.848+/-2.894  $\chi^2/\text{NDF}$ : 1340.7/5

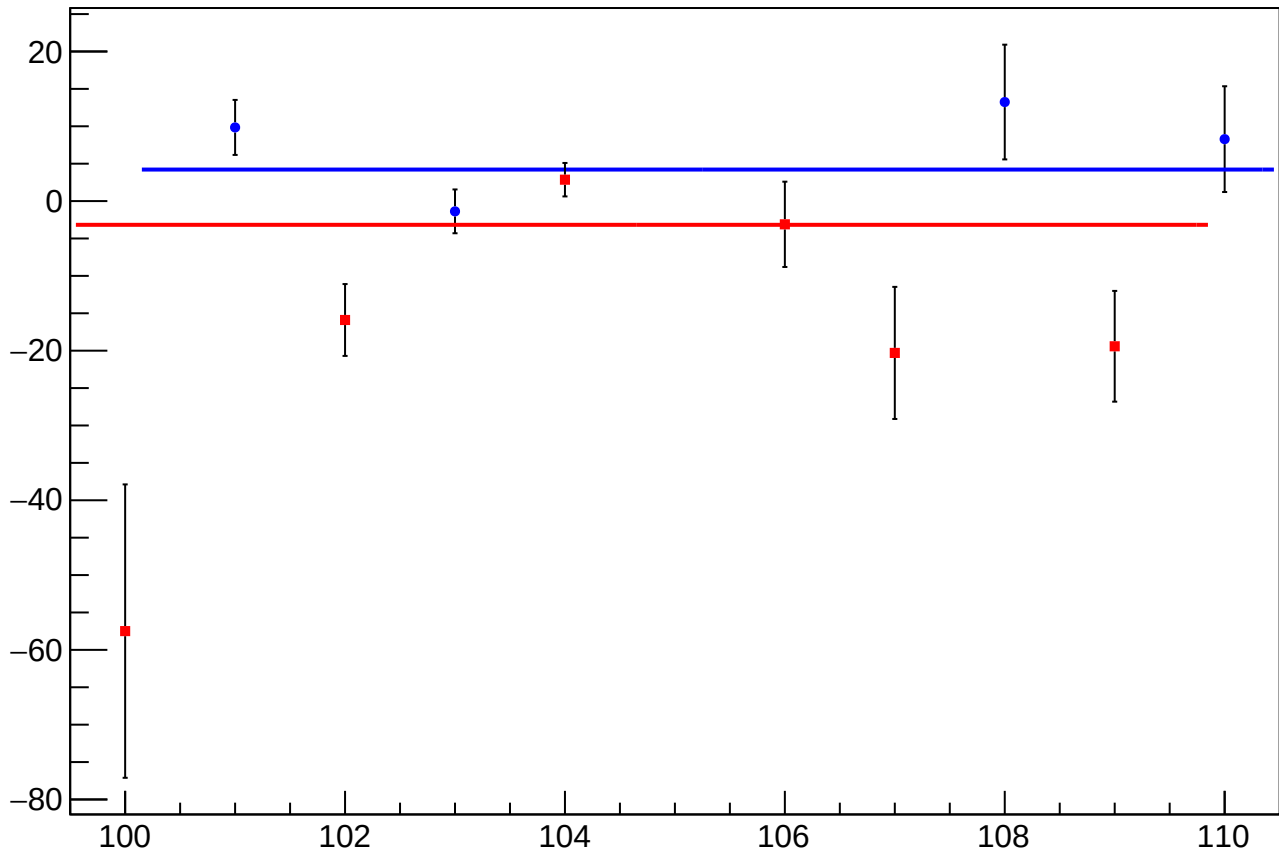
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-78.478+/-3.121  $\chi^2/\text{NDF}$ : 1007.2/3

-1.411+/-2.122  $\chi^2/\text{NDF}$ : 3481.5/9

64.848+/-2.894  $\chi^2/\text{NDF}$ : 1340.7/5

reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected

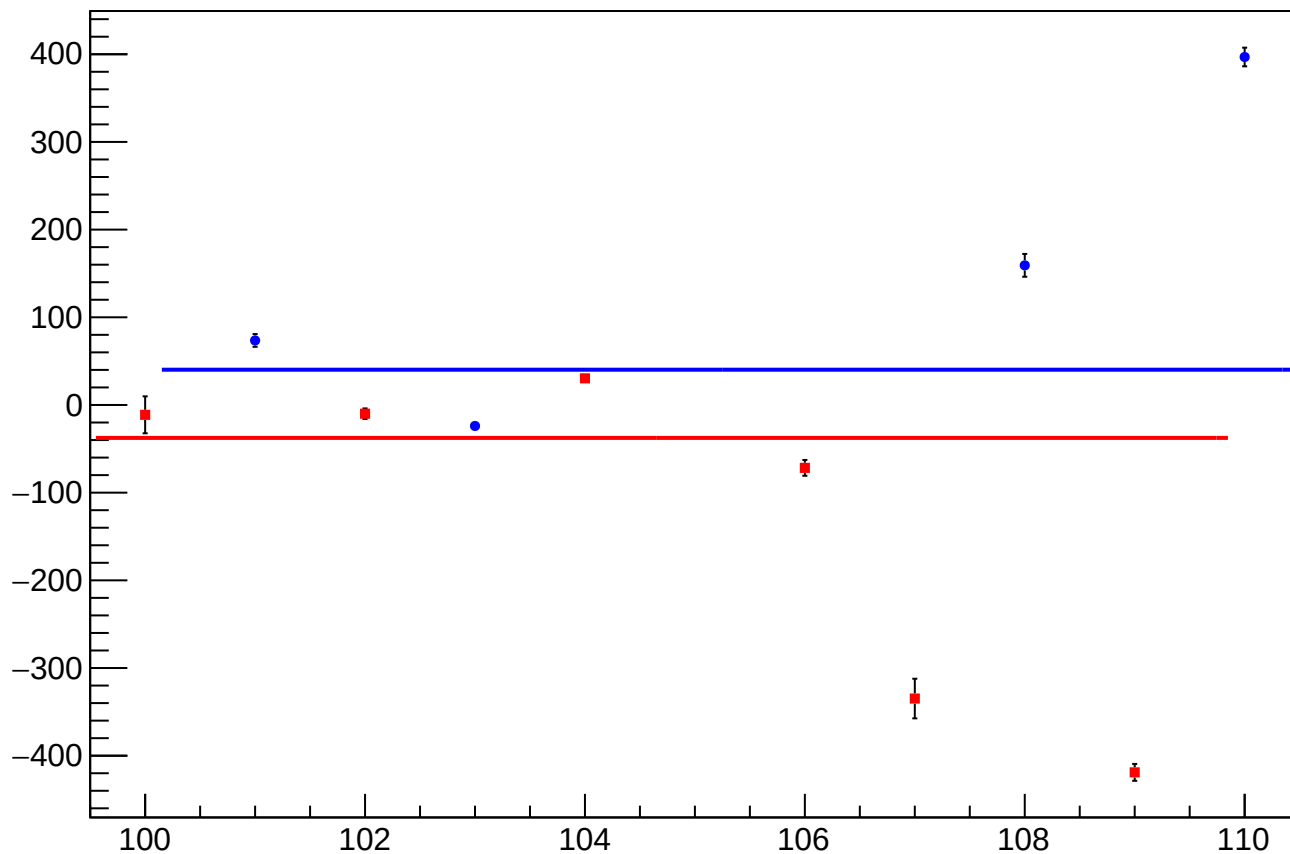


Right In: 4.214+/-2.096  $\chi^2/\text{NDF}$ : 7.7/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -3.174+/-1.803  $\chi^2/\text{NDF}$ : 30.5/5  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.214+/-2.096  $\chi^2/\text{NDF}$ : 7.7/3  
 -0.032+/-1.367  $\chi^2/\text{NDF}$ : 45.4/9  
 -3.174+/-1.803  $\chi^2/\text{NDF}$ : 30.5/5



reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 40.231+/-3.108  $\chi^2/\text{NDF}$ : 1516.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -37.550+/-2.907  $\chi^2/\text{NDF}$ : 2076.1/5

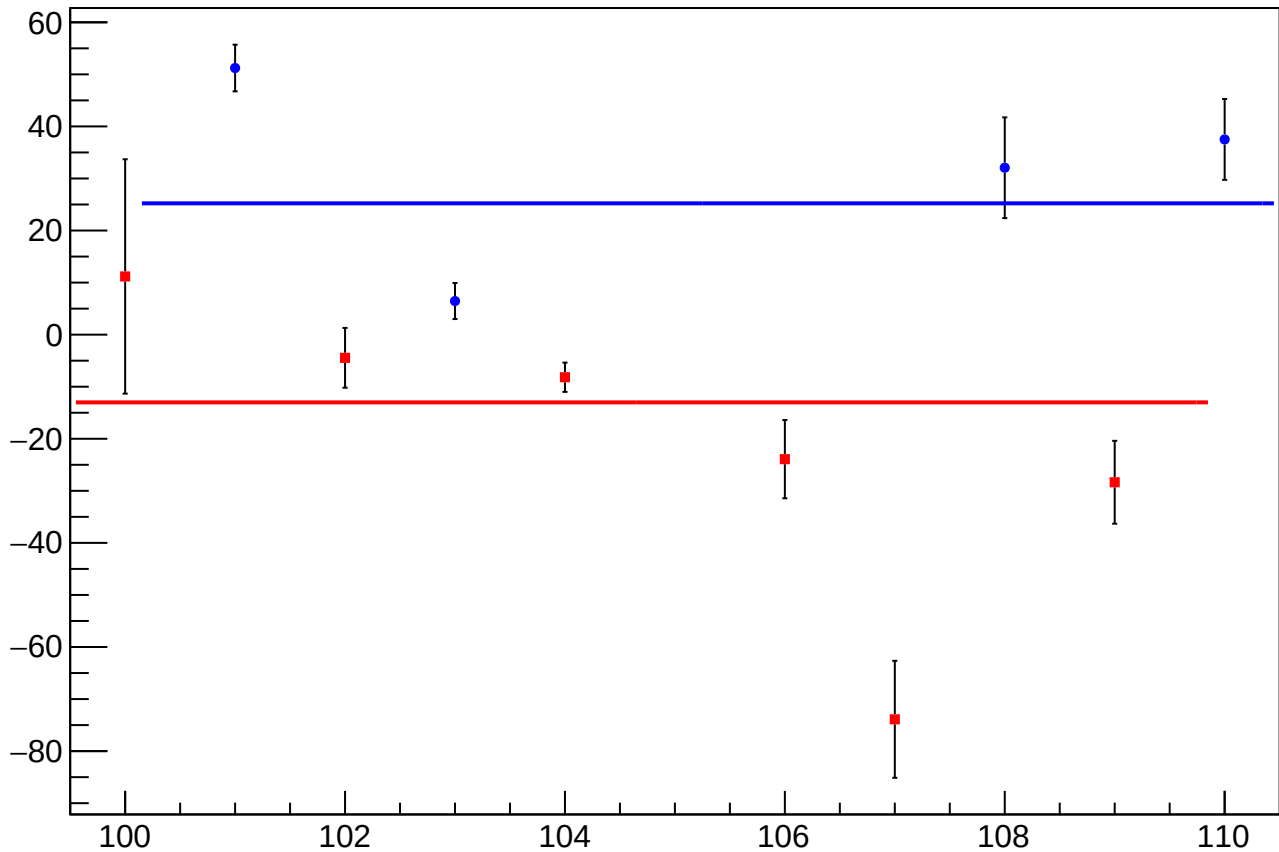
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

40.231+/-3.108  $\chi^2/\text{NDF}$ : 1516.4/3

-1.256+/-2.123  $\chi^2/\text{NDF}$ : 3926.7/9

-37.550+/-2.907  $\chi^2/\text{NDF}$ : 2076.1/5

reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 25.227 $\pm$ 2.495  $\chi^2$ /NDF: 66.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -13.006 $\pm$ 2.234  $\chi^2$ /NDF: 41.5/5

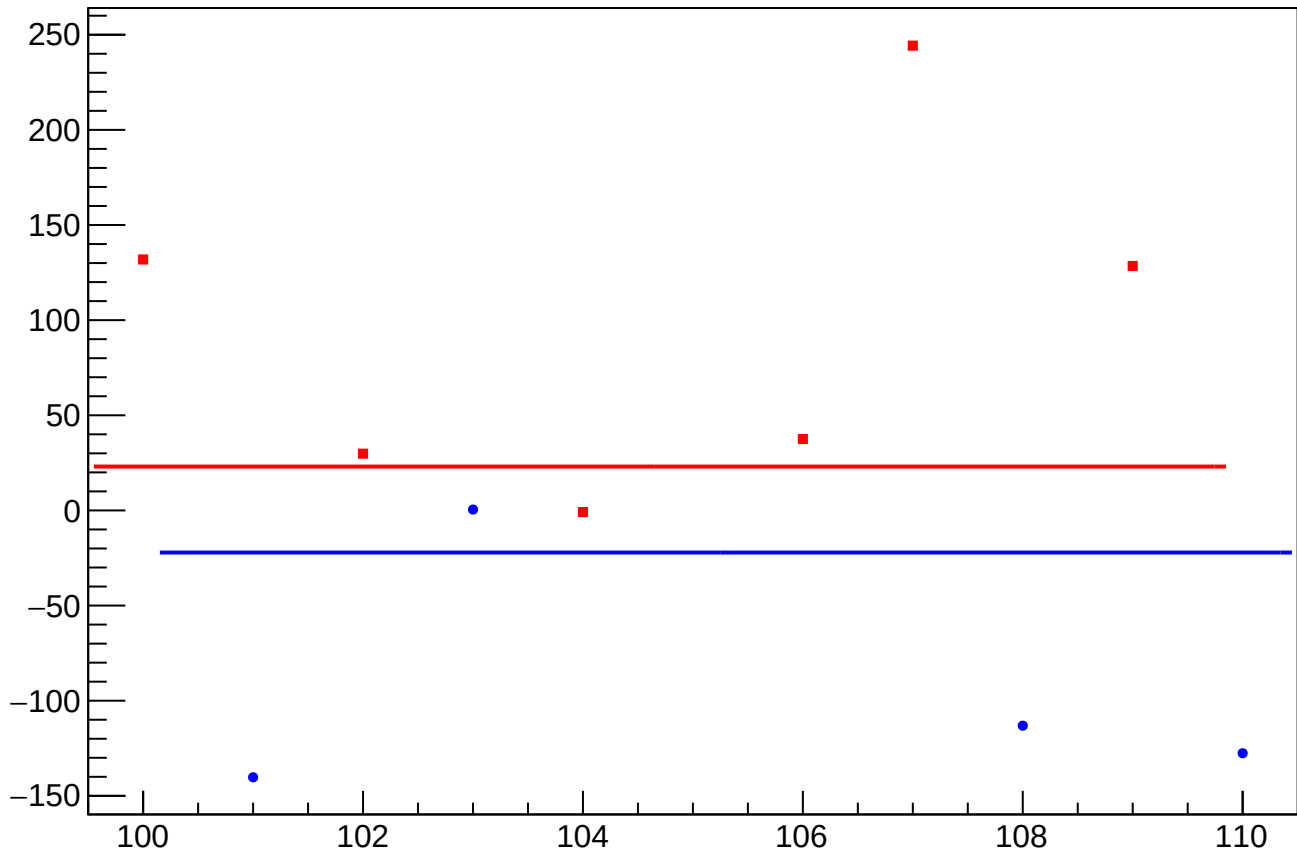
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

25.227 $\pm$ 2.495  $\chi^2$ /NDF: 66.1/3

4.011 $\pm$ 1.664  $\chi^2$ /NDF: 237.9/9

-13.006 $\pm$ 2.234  $\chi^2$ /NDF: 41.5/5

reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -22.129+/-0.077  $\chi^2/\text{NDF}$ : 408855.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 23.059+/-0.073  $\chi^2/\text{NDF}$ : 338755.8/5

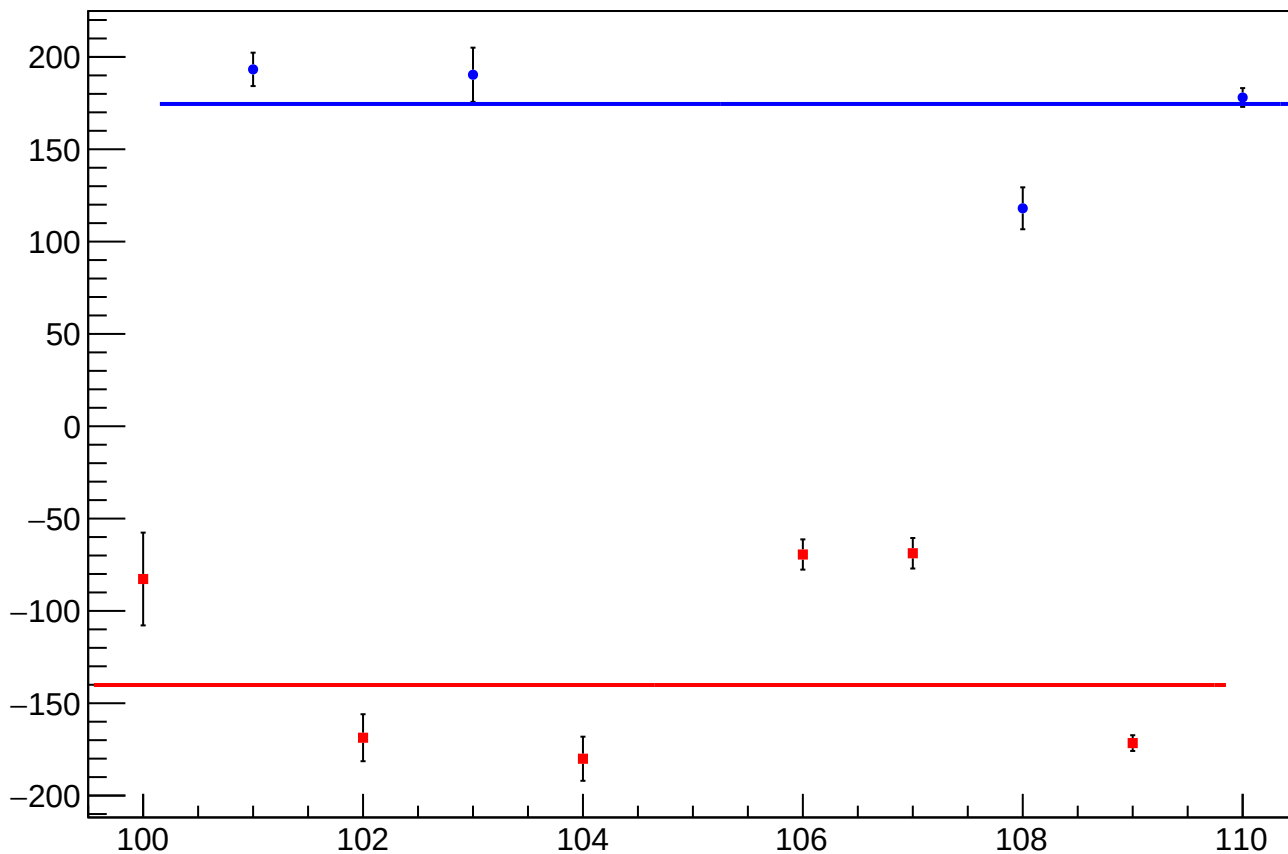
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-22.129+/-0.077  $\chi^2/\text{NDF}$ : 408855.5/3

1.609+/-0.053  $\chi^2/\text{NDF}$ : 928352.5/9

23.059+/-0.073  $\chi^2/\text{NDF}$ : 338755.8/5

reg\_asym\_atl\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 174.539+/-3.973  $\chi^2/\text{NDF}$ : 30.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -140.130+/-3.171  $\chi^2/\text{NDF}$ : 225.1/5

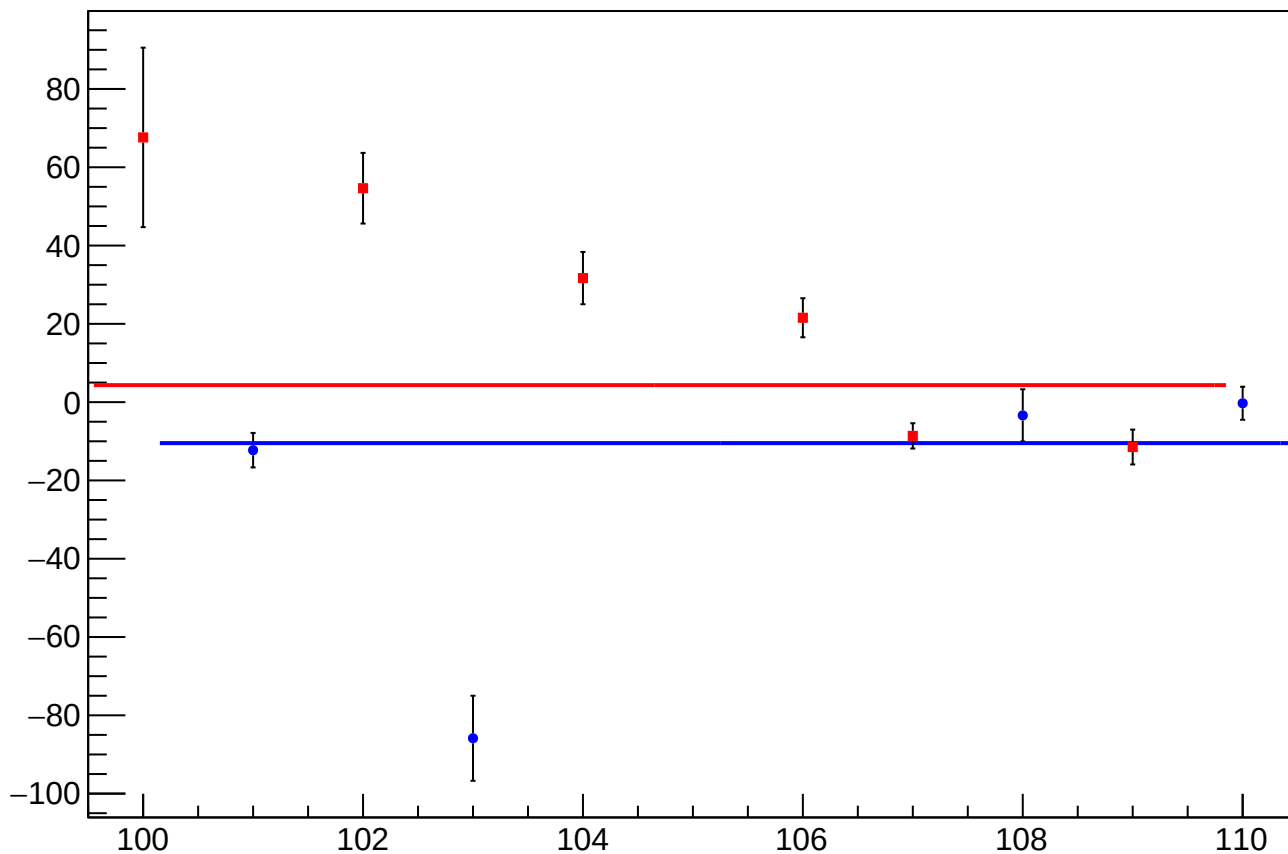
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

174.539+/-3.973  $\chi^2/\text{NDF}$ : 30.7/3

-17.686+/-2.478  $\chi^2/\text{NDF}$ : 4088.6/9

-140.130+/-3.171  $\chi^2/\text{NDF}$ : 225.1/5

reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -10.466 $\pm$ 2.685  $\chi^2$ /NDF: 55.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4.343 $\pm$ 2.117  $\chi^2$ /NDF: 96.1/5

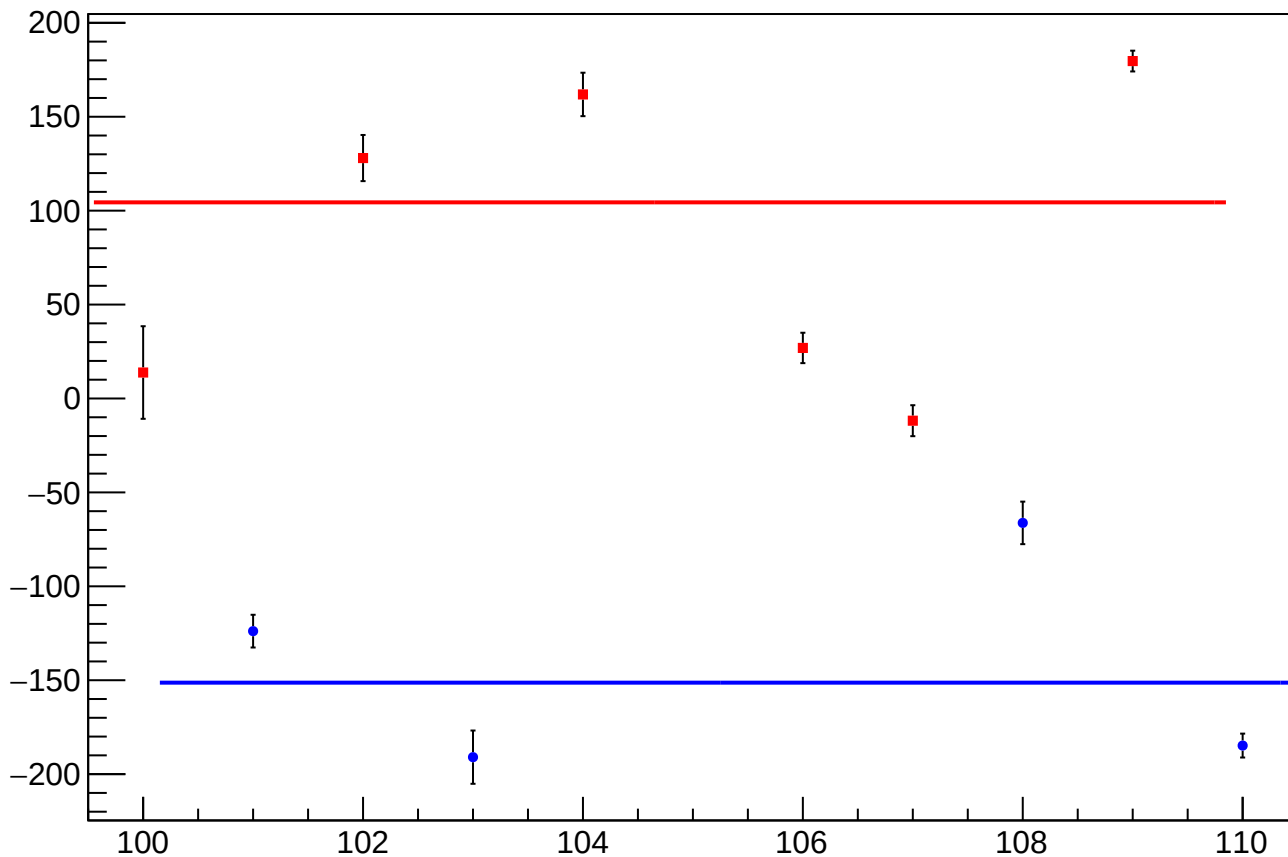
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-10.466 $\pm$ 2.685  $\chi^2$ /NDF: 55.3/3

-1.333 $\pm$ 1.662  $\chi^2$ /NDF: 170.1/9

4.343 $\pm$ 2.117  $\chi^2$ /NDF: 96.1/5

reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -151.295+/-4.442  $\chi^2$ /NDF: 101.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 104.420+/-3.571  $\chi^2$ /NDF: 517.3/5

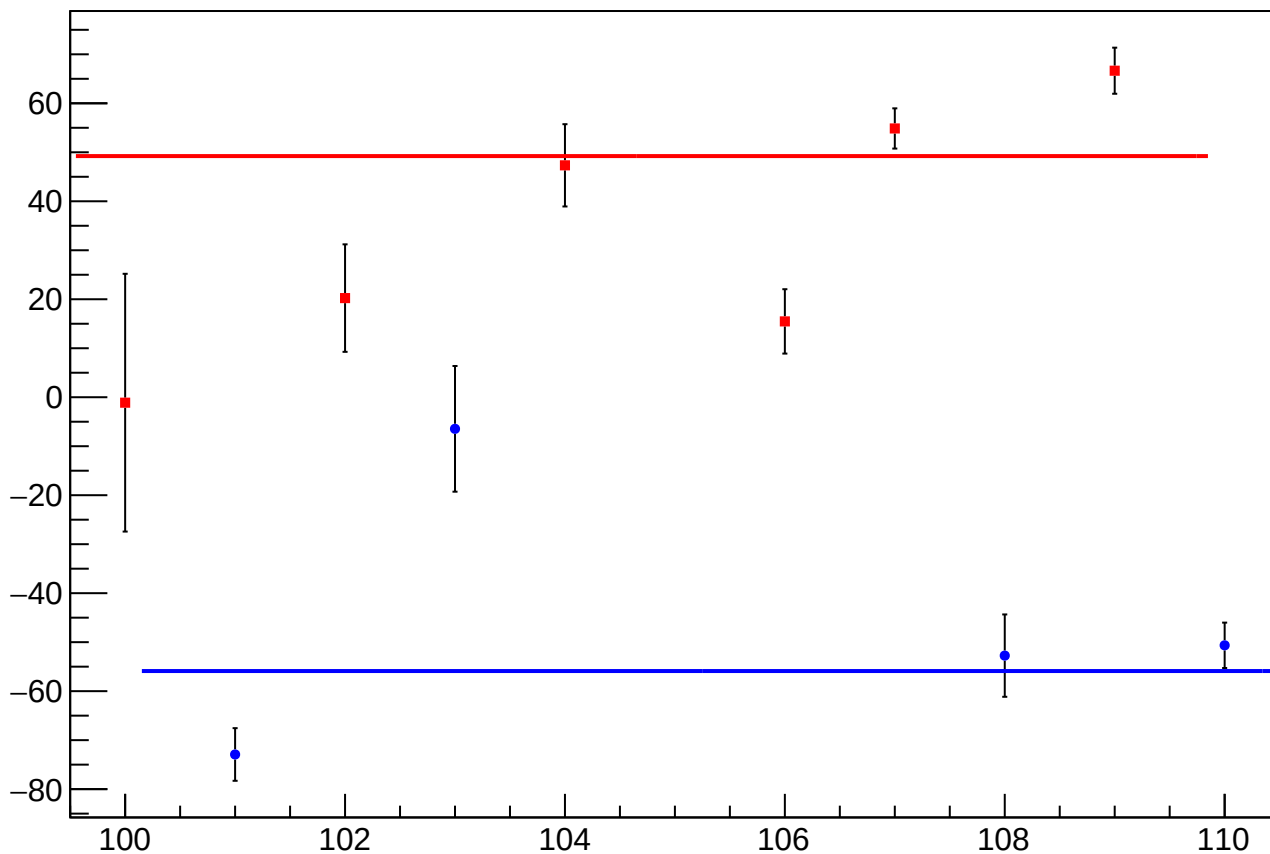
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-151.295+/-4.442  $\chi^2$ /NDF: 101.9/3

4.025+/-2.783  $\chi^2$ /NDF: 2632.2/9

104.420+/-3.571  $\chi^2$ /NDF: 517.3/5

reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -55.893 $\pm$ 3.139  $\chi^2$ /NDF: 26.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 49.224 $\pm$ 2.568  $\chi^2$ /NDF: 52.7/5

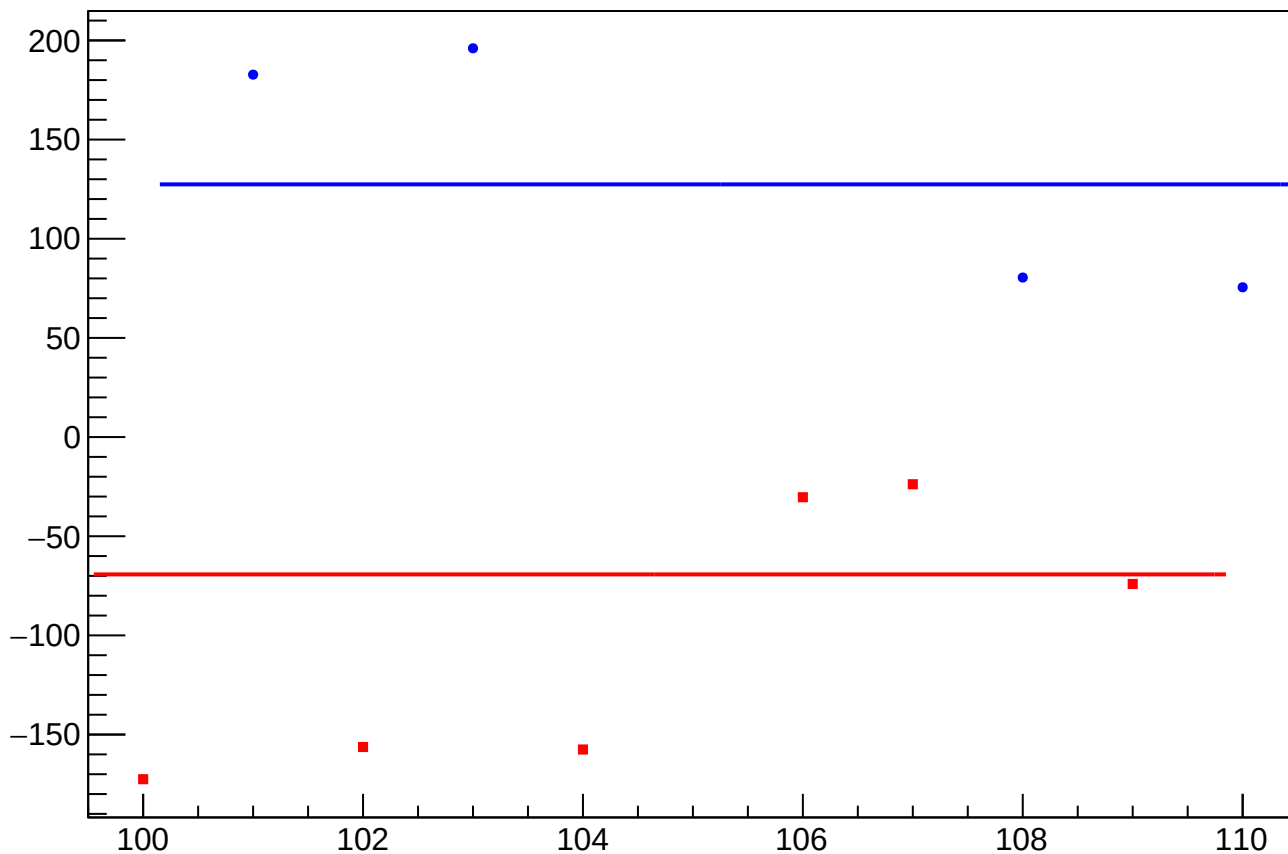
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-55.893 $\pm$ 3.139  $\chi^2$ /NDF: 26.3/3

7.076 $\pm$ 1.988  $\chi^2$ /NDF: 750.6/9

49.224 $\pm$ 2.568  $\chi^2$ /NDF: 52.7/5

reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 127.415+/-0.149  $\chi^2/\text{NDF}$ : 138432.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -69.245+/-0.103  $\chi^2/\text{NDF}$ : 293255.6/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

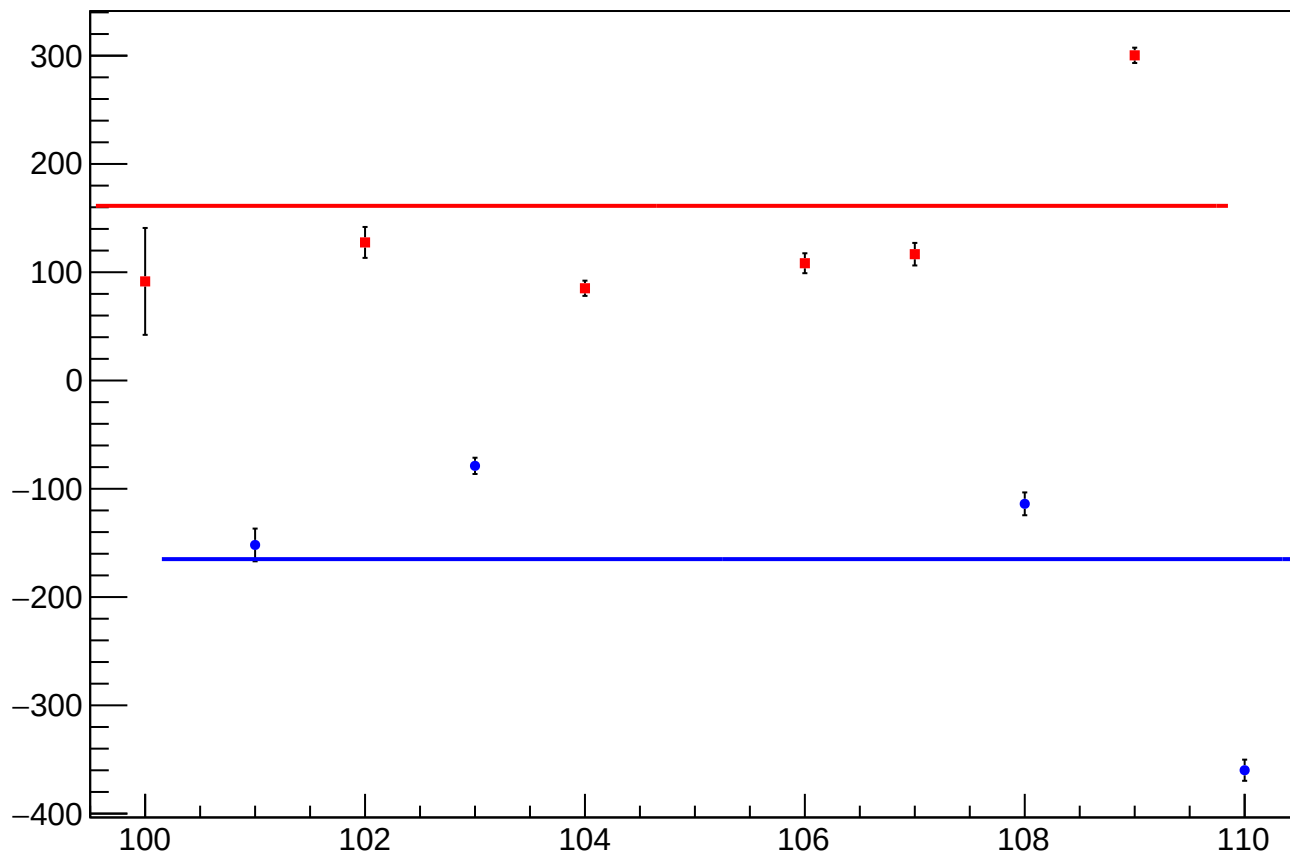
127.415+/-0.149  $\chi^2/\text{NDF}$ : 138432.8/3

-5.443+/-0.085  $\chi^2/\text{NDF}$ : 1616024.8/9

-69.245+/-0.103  $\chi^2/\text{NDF}$ : 293255.6/5



reg\_asym\_atr\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -164.965+/-4.904  $\chi^2/\text{NDF}$ : 554.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 161.318+/-3.878  $\chi^2/\text{NDF}$ : 561.4/5

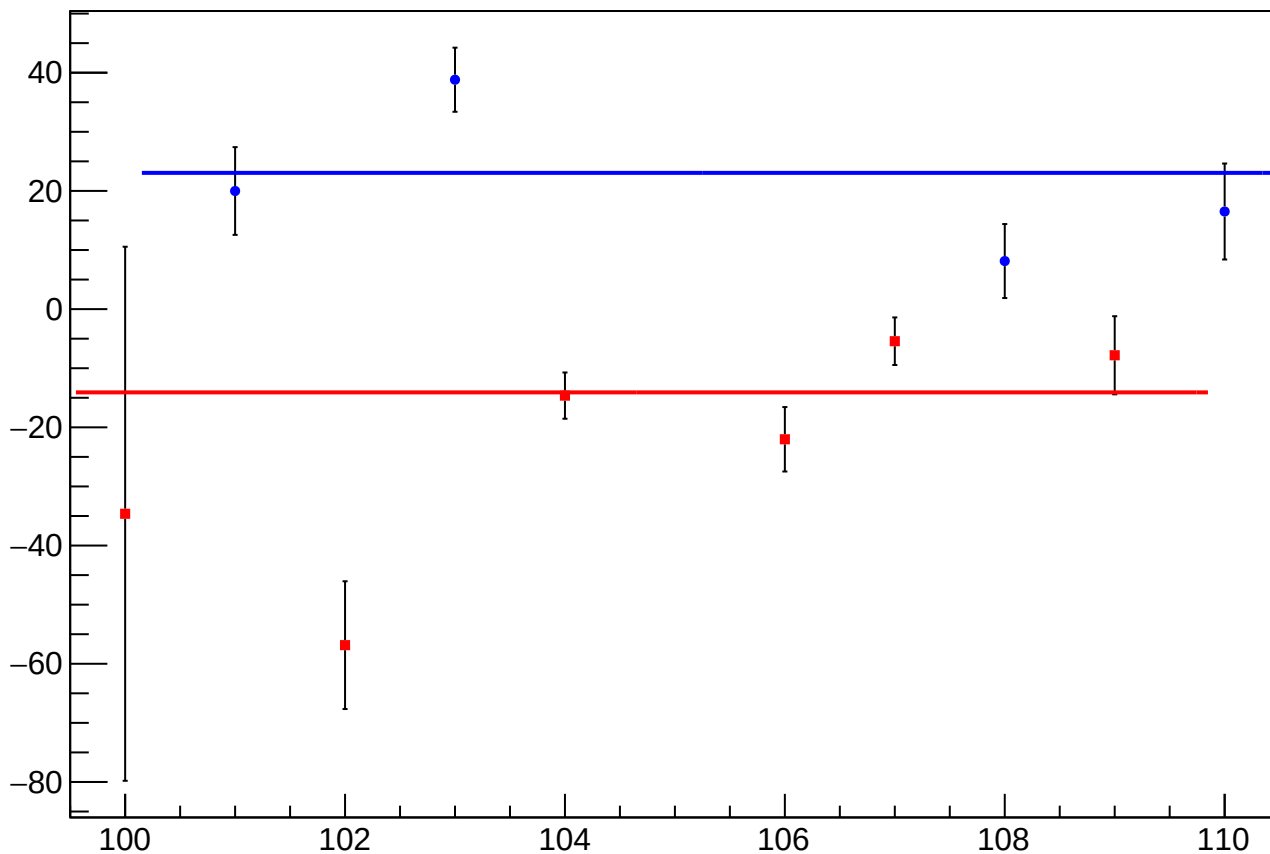
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-164.965+/-4.904  $\chi^2/\text{NDF}$ : 554.2/3

35.776+/-3.042  $\chi^2/\text{NDF}$ : 3839.1/9

161.318+/-3.878  $\chi^2/\text{NDF}$ : 561.4/5

reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 23.053+/-3.282  $\chi^2$ /NDF: 14.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -14.086+/-2.278  $\chi^2$ /NDF: 23.5/5

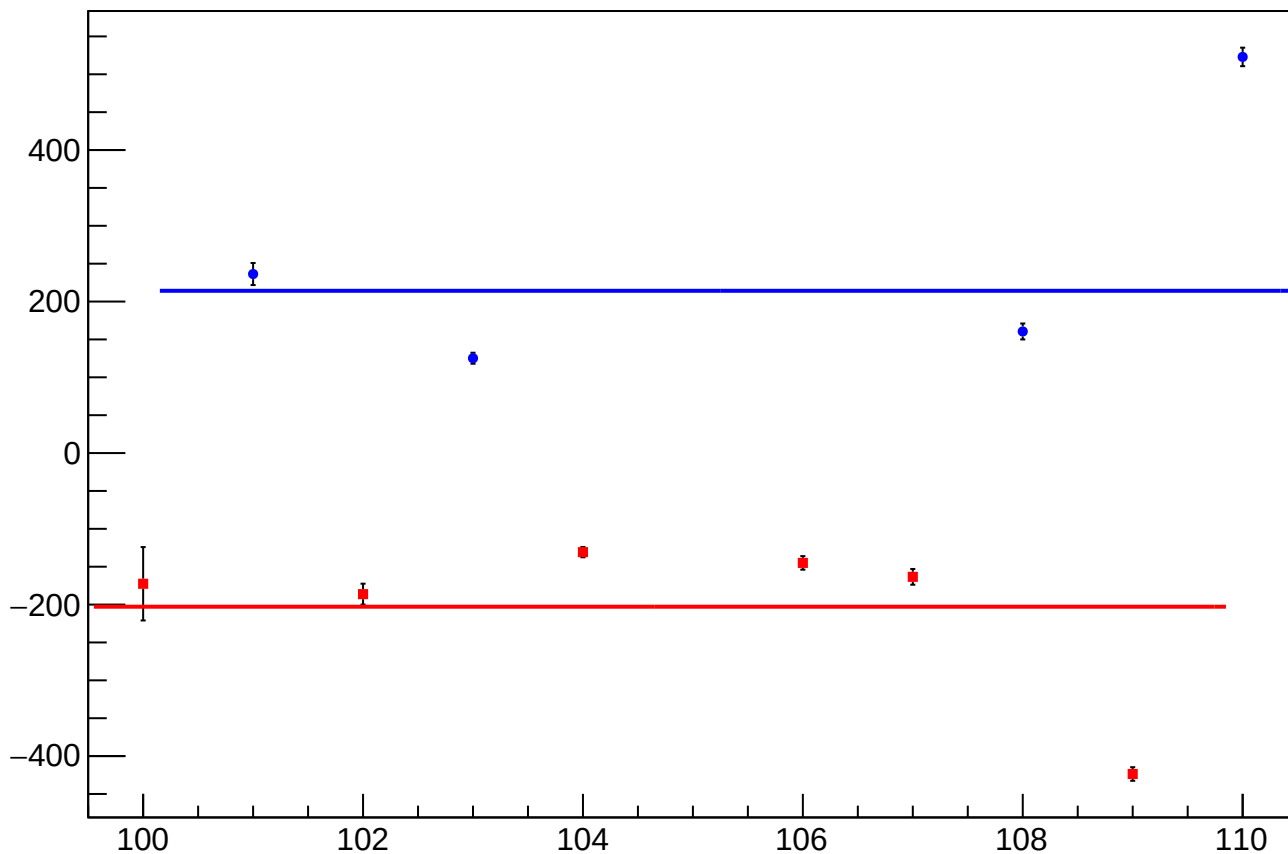
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

23.053+/-3.282  $\chi^2$ /NDF: 14.9/3

-2.010+/-1.871  $\chi^2$ /NDF: 124.9/9

-14.086+/-2.278  $\chi^2$ /NDF: 23.5/5

reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 214.208 $\pm$ 5.037  $\chi^2$ /NDF: 817.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -202.804 $\pm$ 4.036  $\chi^2$ /NDF: 774.8/5

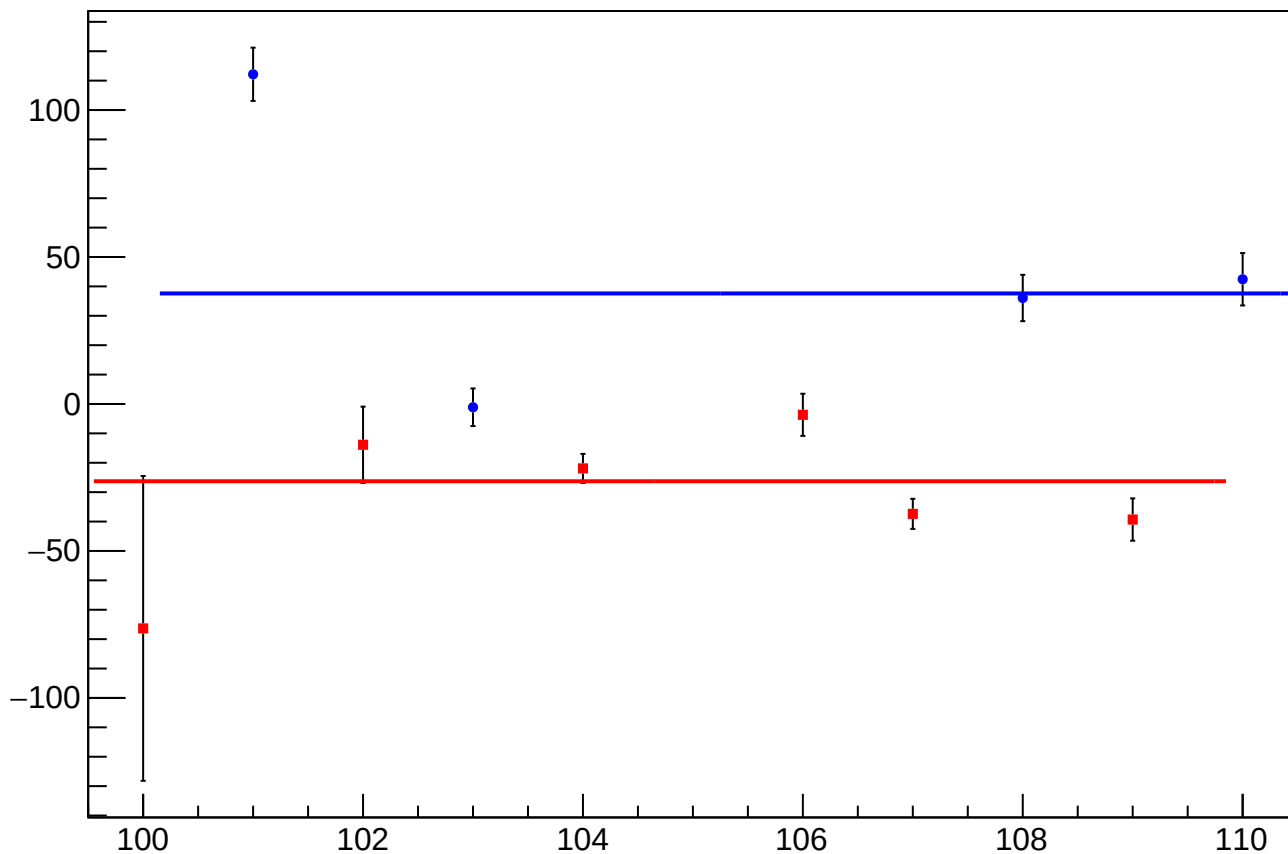
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

214.208 $\pm$ 5.037  $\chi^2$ /NDF: 817.3/3

-39.738 $\pm$ 3.150  $\chi^2$ /NDF: 5766.2/9

-202.804 $\pm$ 4.036  $\chi^2$ /NDF: 774.8/5

reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 37.599 $\pm$ 3.915  $\chi^2$ /NDF: 104.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -26.284 $\pm$ 2.836  $\chi^2$ /NDF: 20.5/5

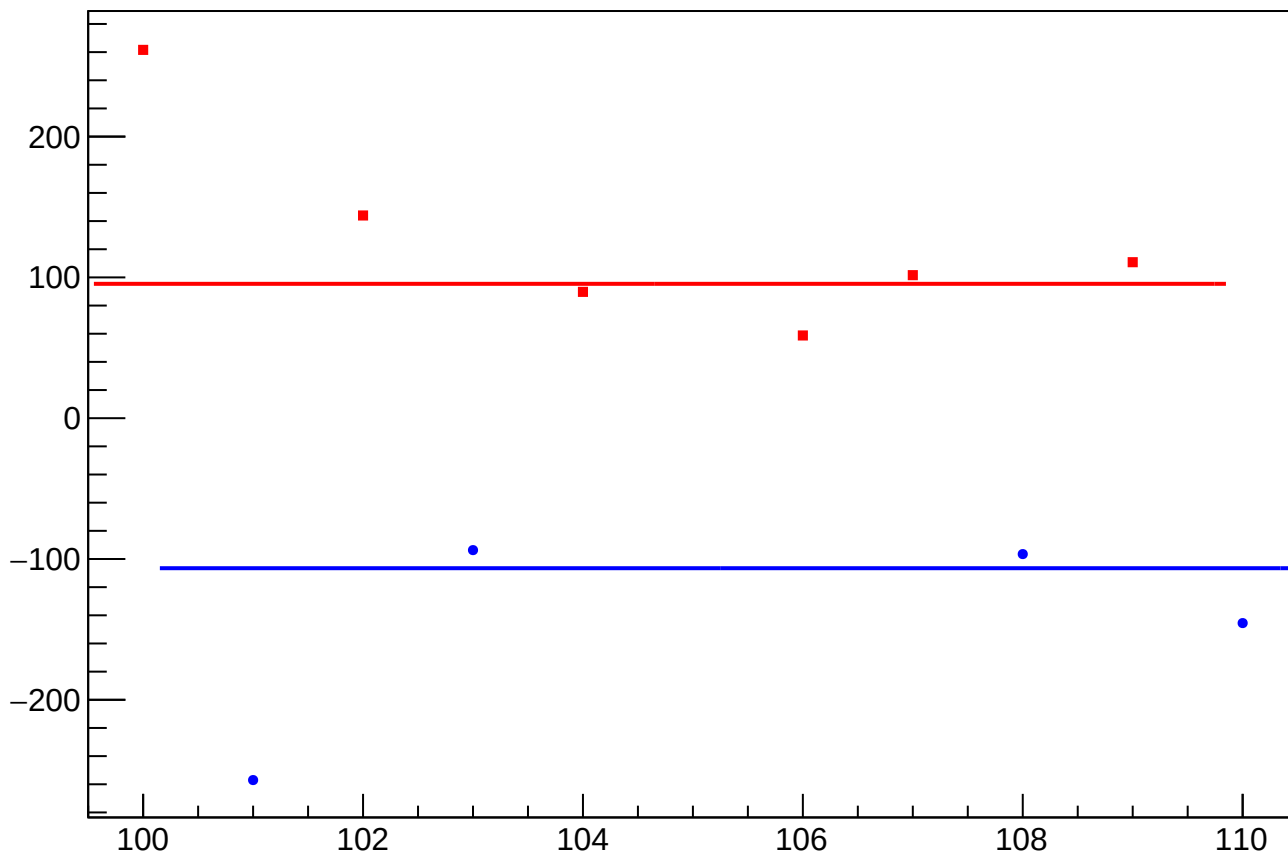
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

37.599 $\pm$ 3.915  $\chi^2$ /NDF: 104.6/3

-4.299 $\pm$ 2.297  $\chi^2$ /NDF: 299.8/9

-26.284 $\pm$ 2.836  $\chi^2$ /NDF: 20.5/5

reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -106.538+/-0.127  $\chi^2/\text{NDF}$ : 94854.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 95.436+/-0.108  $\chi^2/\text{NDF}$ : 59873.0/5

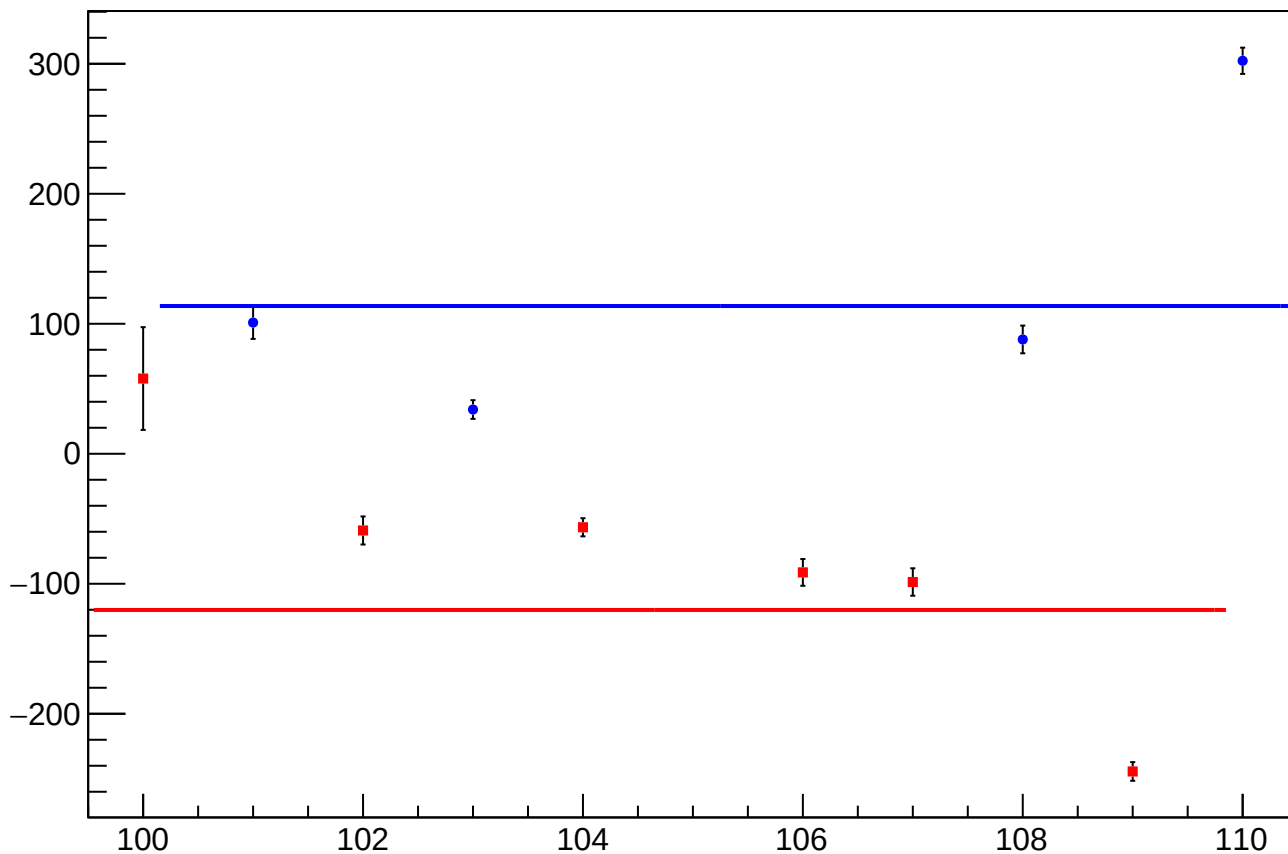
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-106.538+/-0.127  $\chi^2/\text{NDF}$ : 94854.6/3

10.968+/-0.082  $\chi^2/\text{NDF}$ : 1614719.6/9

95.436+/-0.108  $\chi^2/\text{NDF}$ : 59873.0/5

reg\_asym\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 113.654+/-4.749  $\chi^2/\text{NDF}$ : 479.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -120.157+/-3.847  $\chi^2/\text{NDF}$ : 447.0/5

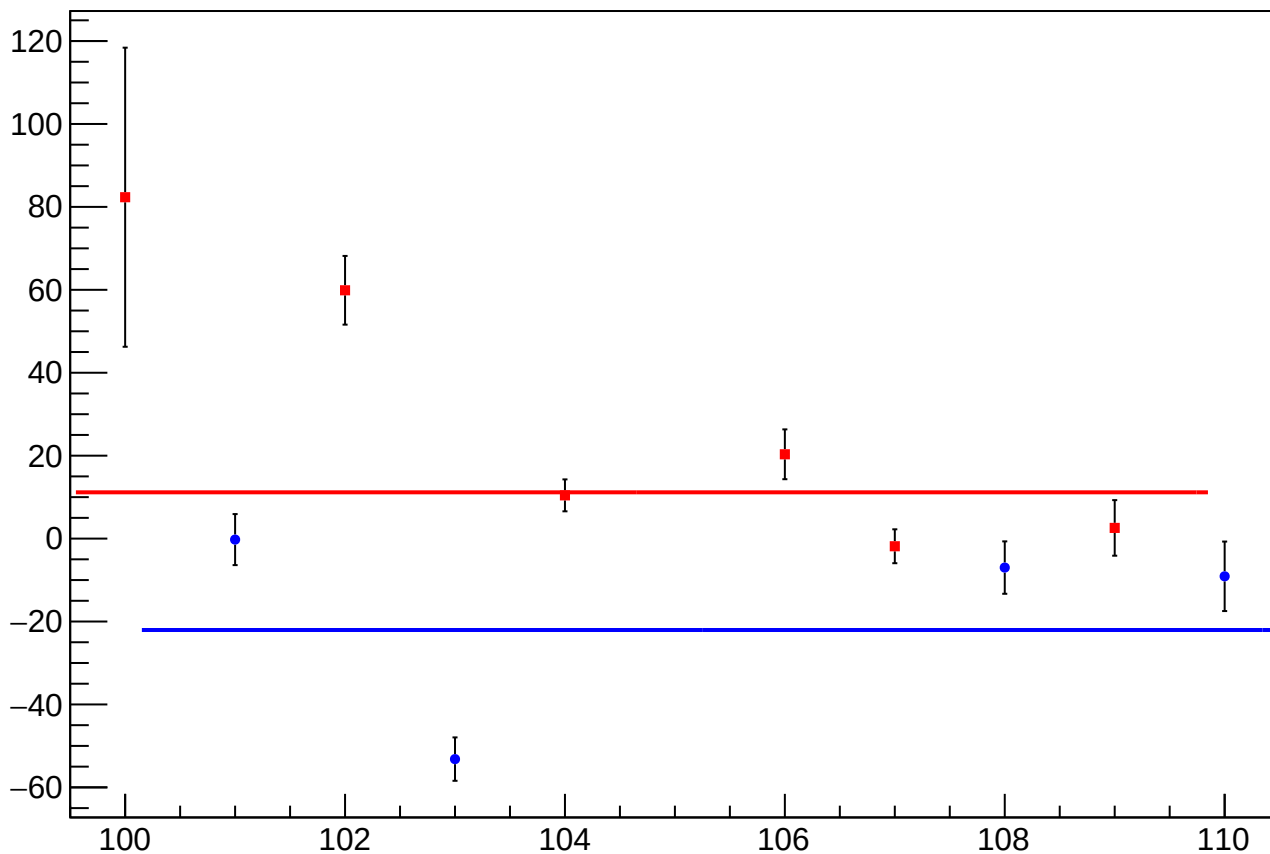
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

113.654+/-4.749  $\chi^2/\text{NDF}$ : 479.3/3

-27.510+/-2.989  $\chi^2/\text{NDF}$ : 2389.9/9

-120.157+/-3.847  $\chi^2/\text{NDF}$ : 447.0/5

reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -22.046+/-3.128  $\chi^2/\text{NDF}$ : 56.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.160+/-2.279  $\chi^2/\text{NDF}$ : 52.6/5

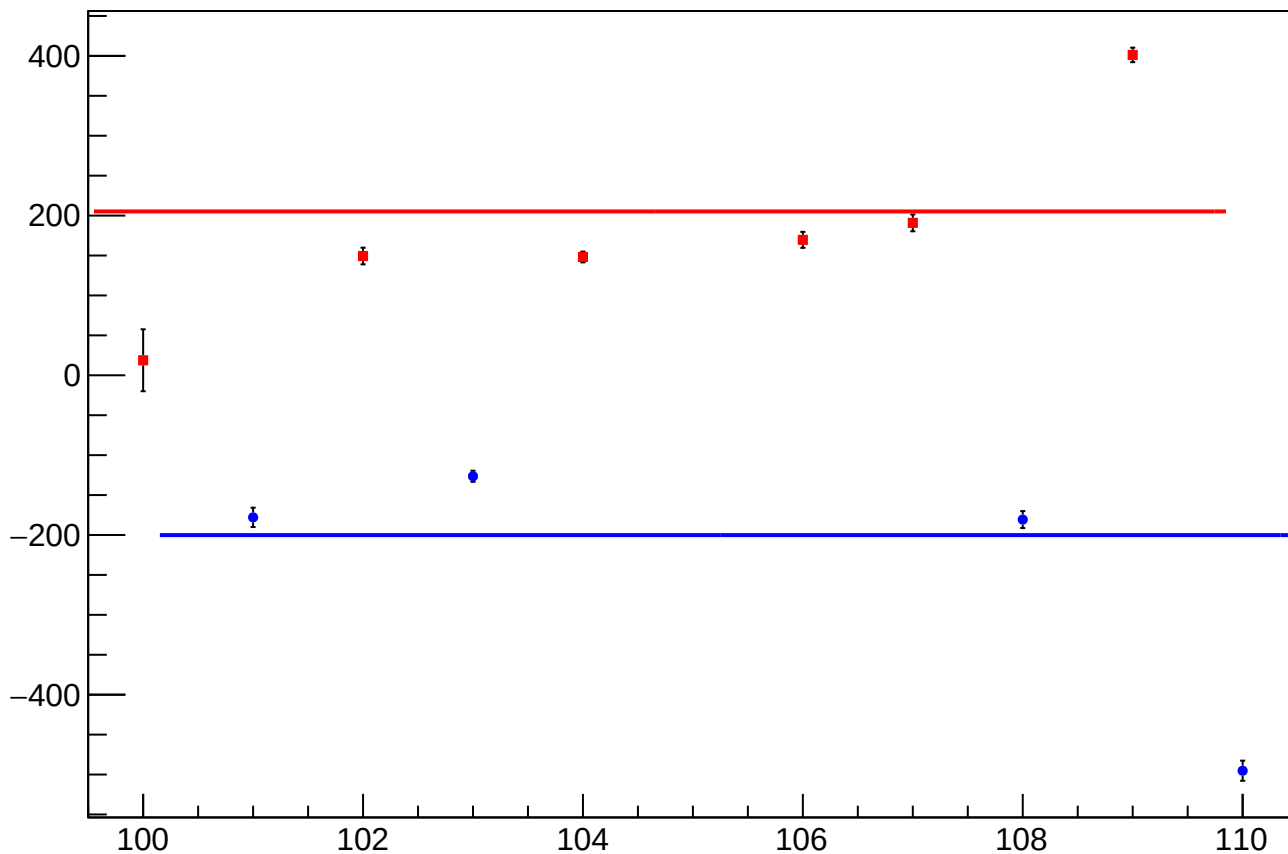
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-22.046+/-3.128  $\chi^2/\text{NDF}$ : 56.0/3

-0.350+/-1.842  $\chi^2/\text{NDF}$ : 182.3/9

11.160+/-2.279  $\chi^2/\text{NDF}$ : 52.6/5

reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -200.169+/-4.840  $\chi^2$ /NDF: 666.2/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 205.169+/-3.989  $\chi^2$ /NDF: 601.7/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

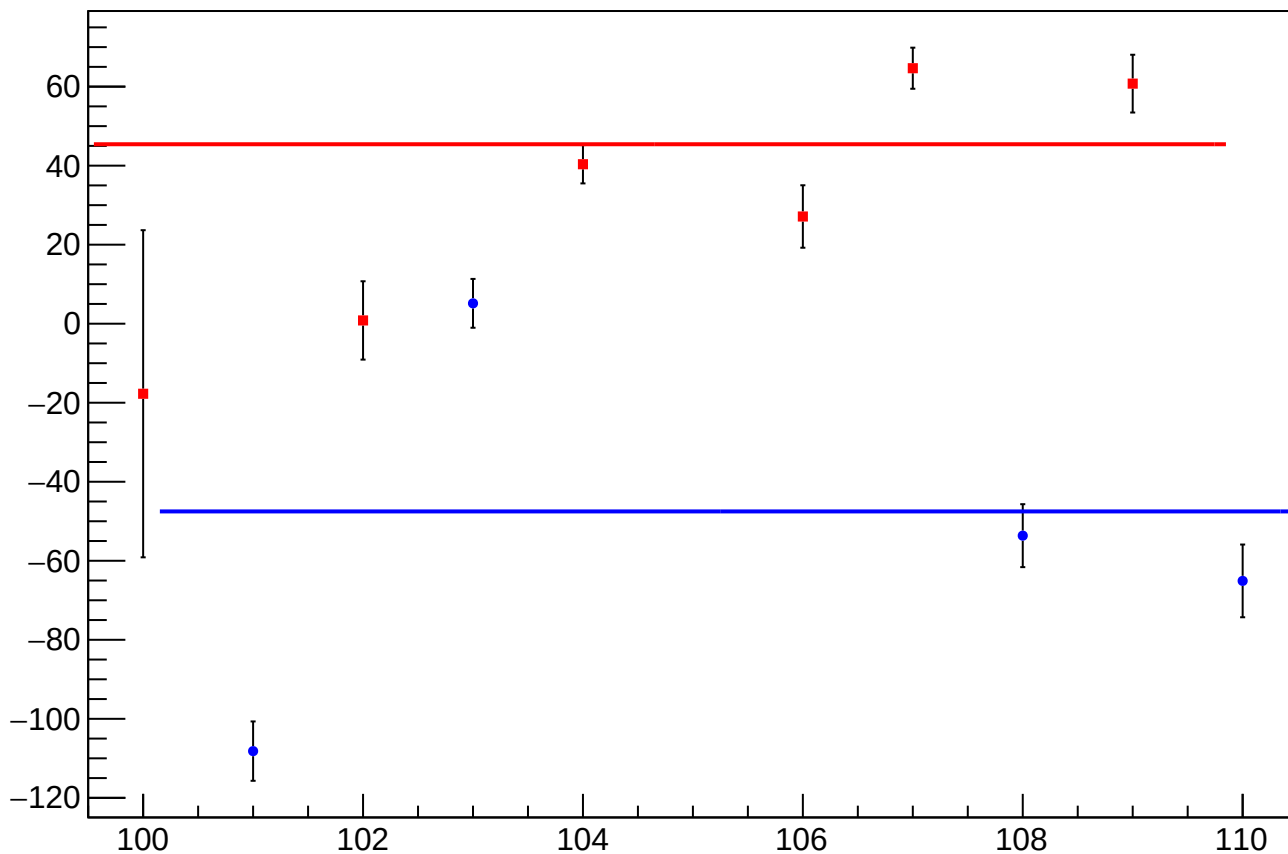
-200.169+/-4.840  $\chi^2$ /NDF: 666.2/3

41.202+/-3.078  $\chi^2$ /NDF: 5444.3/9

205.169+/-3.989  $\chi^2$ /NDF: 601.7/5



reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-47.510 \pm 3.740$   $\chi^2/\text{NDF}$ : 142.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $45.417 \pm 2.829$   $\chi^2/\text{NDF}$ : 47.1/5

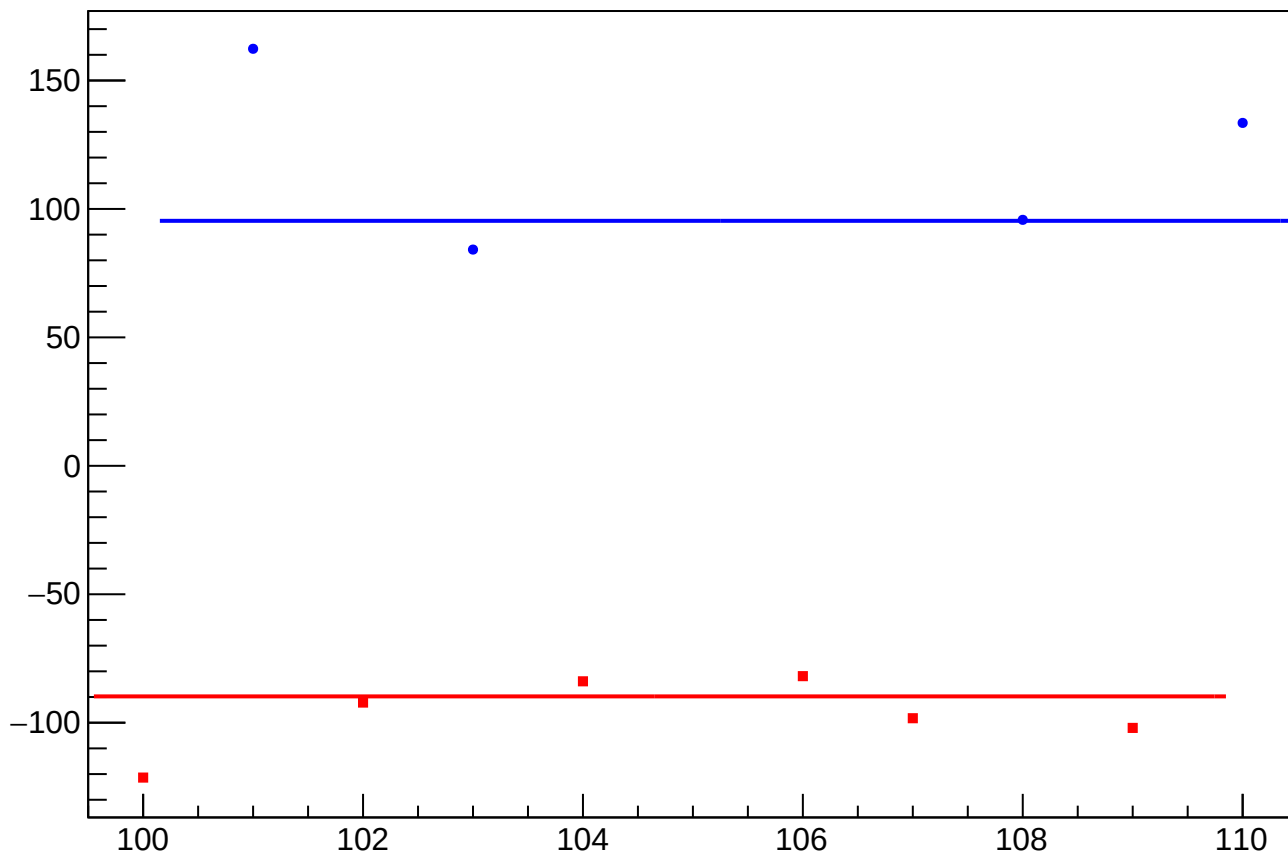
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-47.510 \pm 3.740$   $\chi^2/\text{NDF}$ : 142.1/3

$11.605 \pm 2.256$   $\chi^2/\text{NDF}$ : 581.8/9

$45.417 \pm 2.829$   $\chi^2/\text{NDF}$ : 47.1/5

reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 95.371+/-0.123  $\chi^2/\text{NDF}$ : 32771.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -89.757+/-0.105  $\chi^2/\text{NDF}$ : 5158.8/5

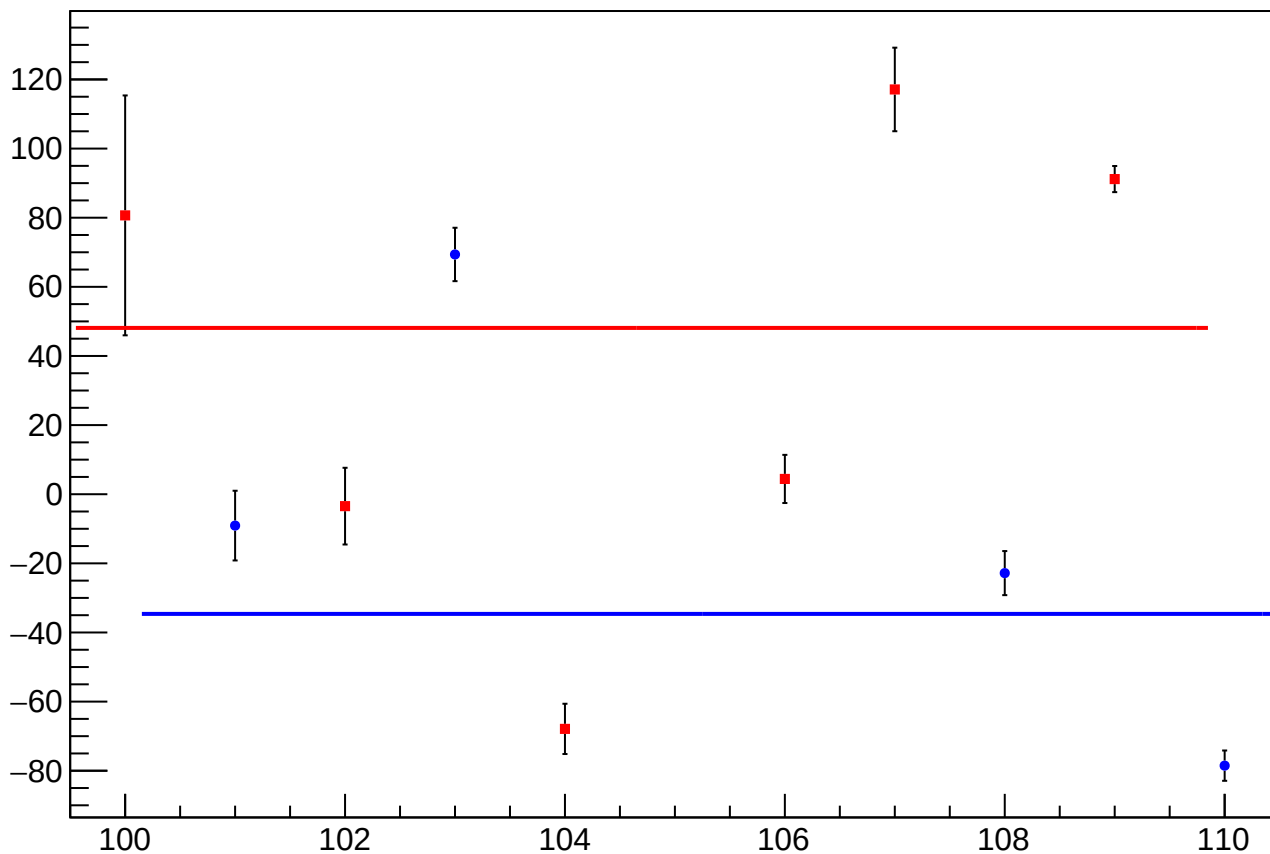
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

95.371+/-0.123  $\chi^2/\text{NDF}$ : 32771.1/3

-11.441+/-0.080  $\chi^2/\text{NDF}$ : 1346832.6/9

-89.757+/-0.105  $\chi^2/\text{NDF}$ : 5158.8/5

reg\_asym\_at1\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -34.625+/-3.112  $\chi^2/\text{NDF}$ : 291.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 48.115+/-2.825  $\chi^2/\text{NDF}$ : 478.7/5

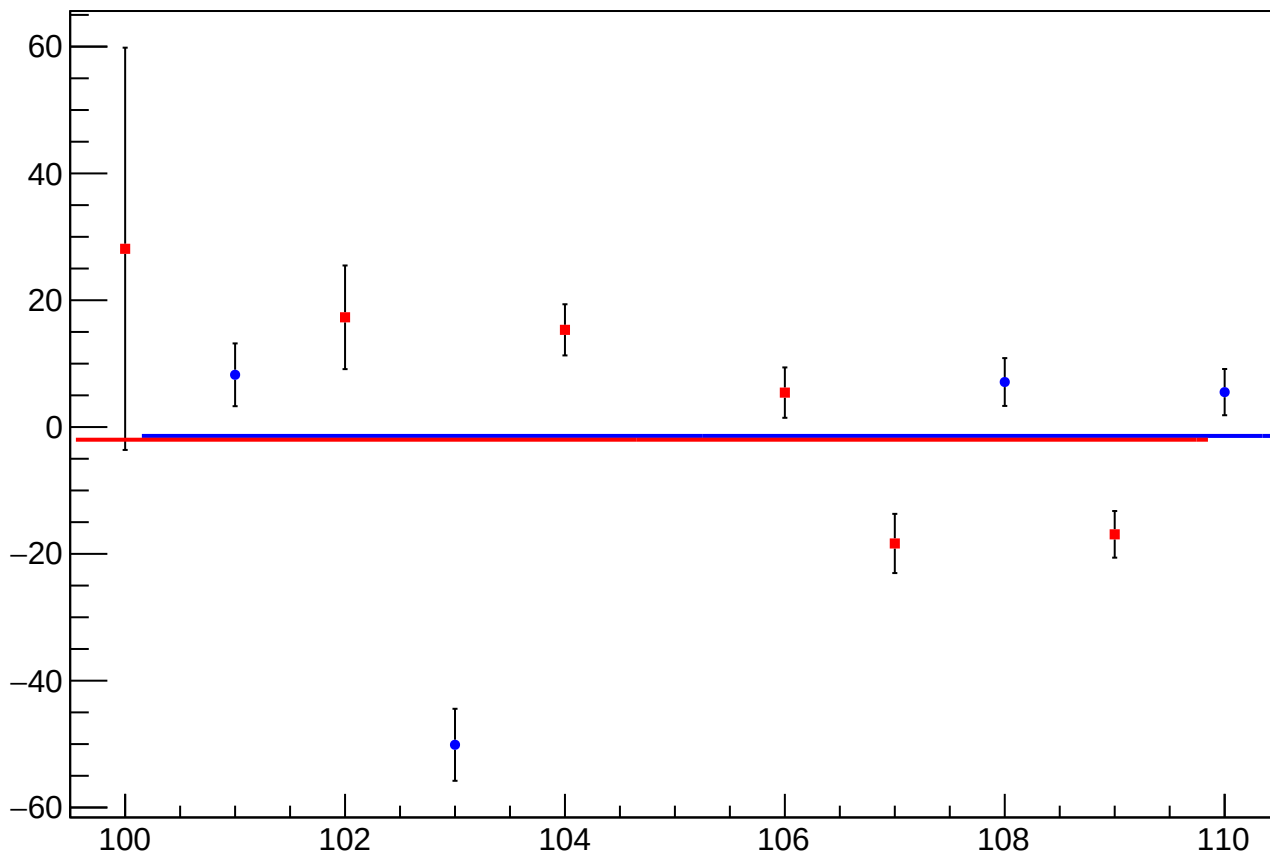
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-34.625+/-3.112  $\chi^2/\text{NDF}$ : 291.4/3

10.737+/-2.092  $\chi^2/\text{NDF}$ : 1157.6/9

48.115+/-2.825  $\chi^2/\text{NDF}$ : 478.7/5

reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -1.399+/-2.145  $\chi^2$ /NDF: 86.1/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.996+/-1.959  $\chi^2$ /NDF: 57.2/5

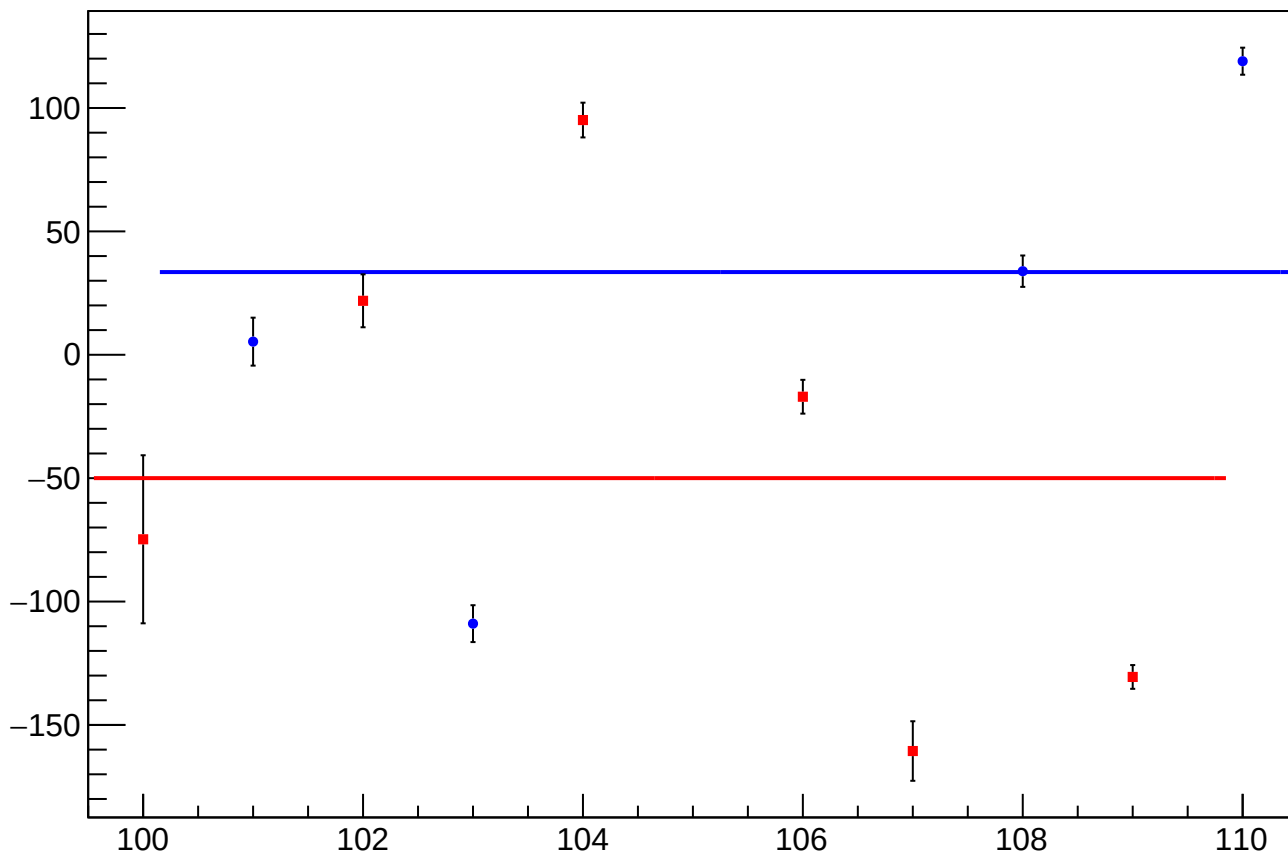
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-1.399+/-2.145  $\chi^2$ /NDF: 86.1/3

-1.725+/-1.446  $\chi^2$ /NDF: 143.3/9

-1.996+/-1.959  $\chi^2$ /NDF: 57.2/5

reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 33.515+/-3.400  $\chi^2/\text{NDF}$ : 615.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -49.987+/-3.145  $\chi^2/\text{NDF}$ : 857.4/5

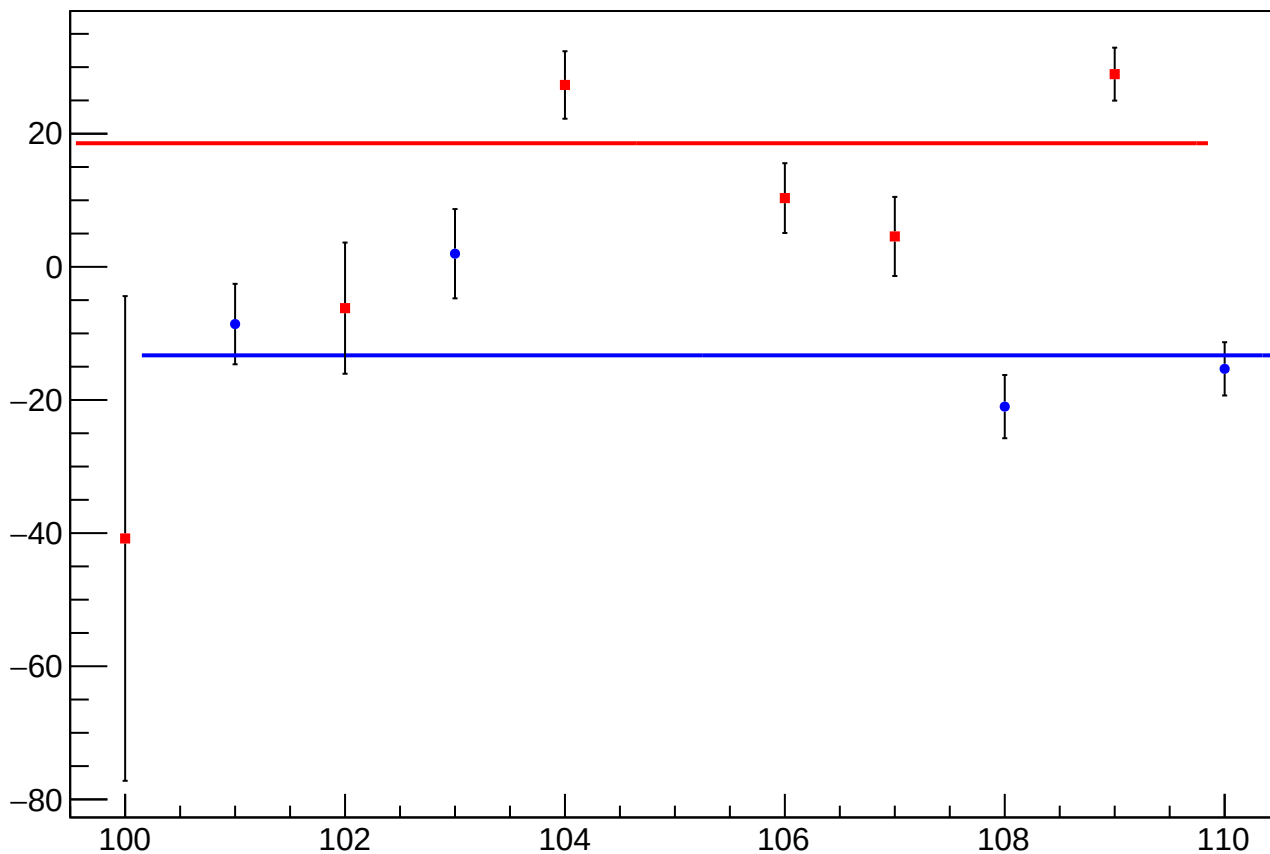
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

33.515+/-3.400  $\chi^2/\text{NDF}$ : 615.1/3

-11.473+/-2.309  $\chi^2/\text{NDF}$ : 1797.5/9

-49.987+/-3.145  $\chi^2/\text{NDF}$ : 857.4/5

reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -13.295 $\pm$ 2.528  $\chi^2$ /NDF: 8.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 18.569 $\pm$ 2.371  $\chi^2$ /NDF: 26.8/5

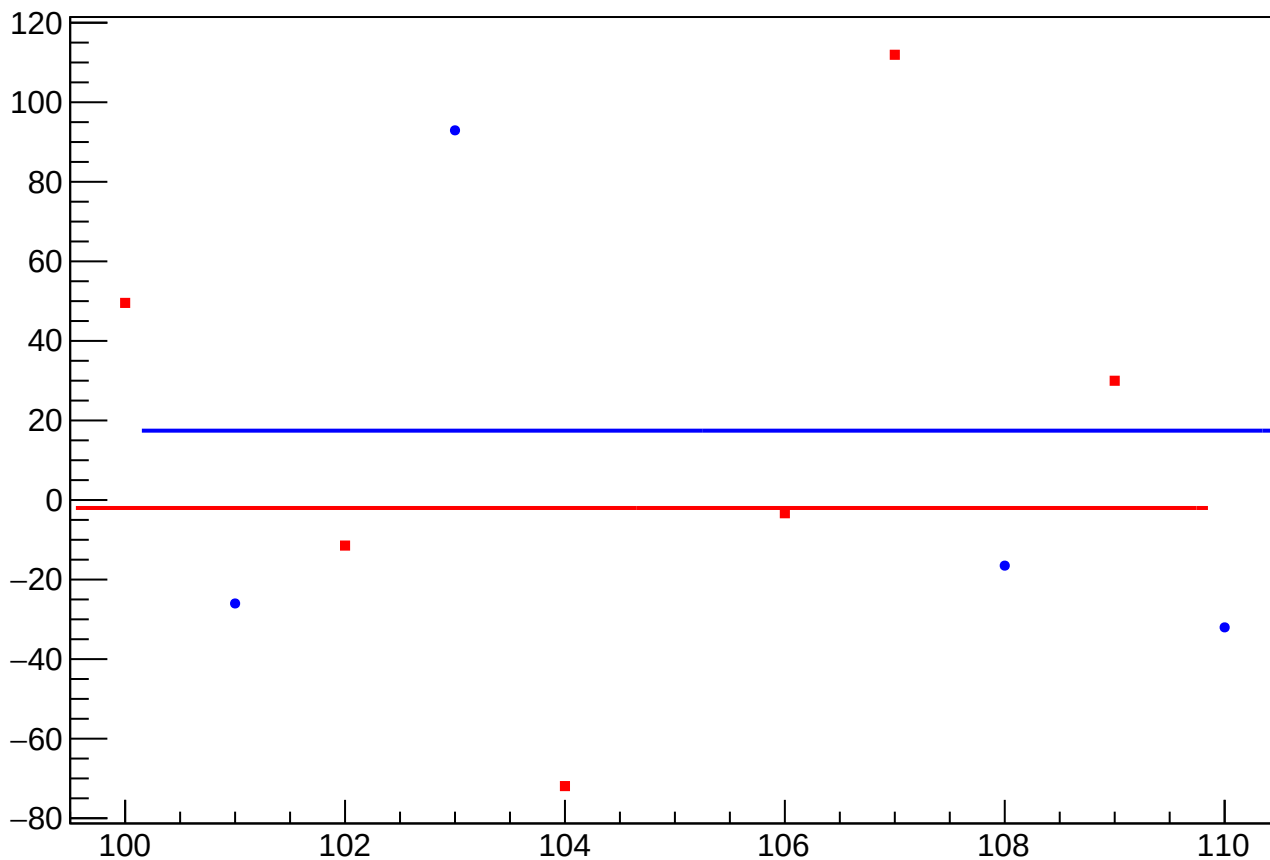
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-13.295 $\pm$ 2.528  $\chi^2$ /NDF: 8.7/3

3.661 $\pm$ 1.729  $\chi^2$ /NDF: 120.0/9

18.569 $\pm$ 2.371  $\chi^2$ /NDF: 26.8/5

reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 17.436 $\pm$ 0.097  $\chi^2$ /NDF: 308692.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2.004 $\pm$ 0.092  $\chi^2$ /NDF: 352497.8/5

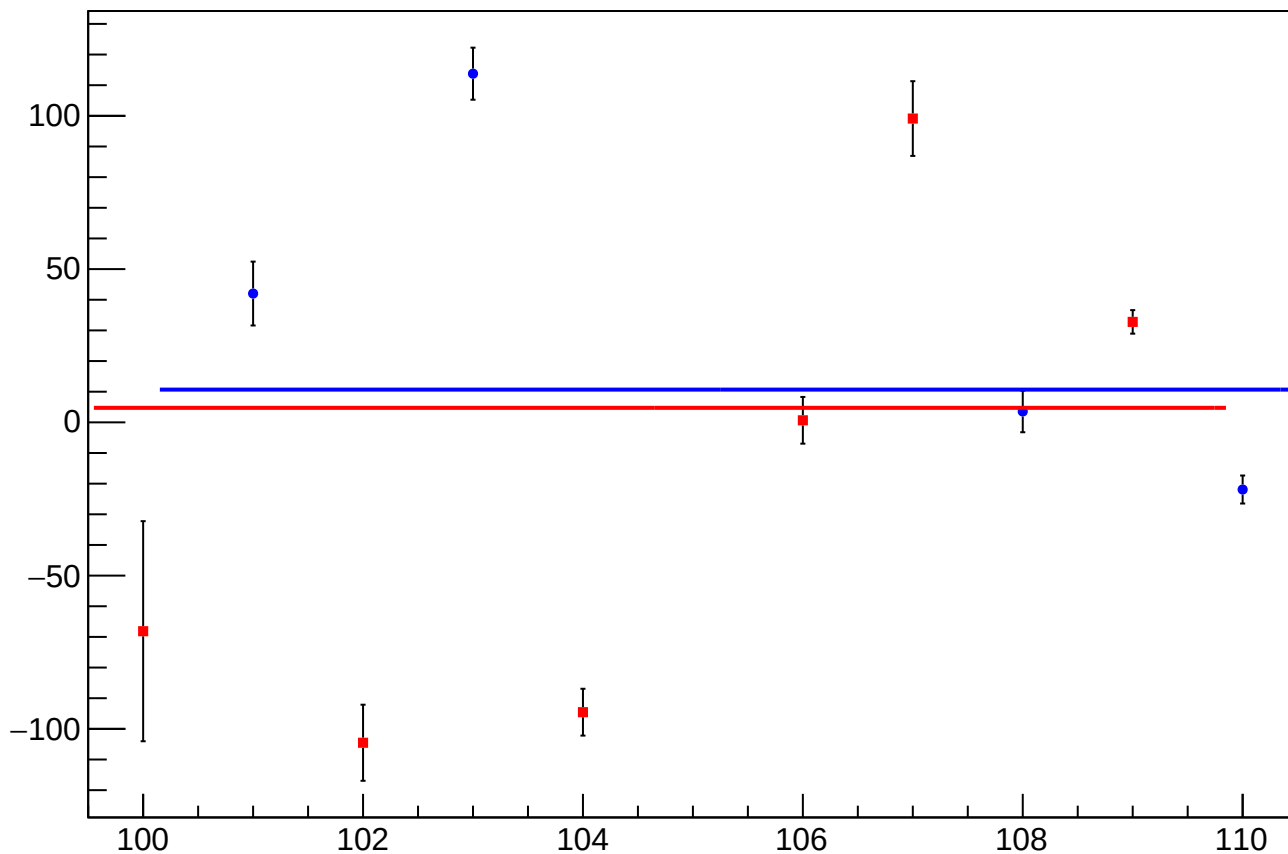
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

17.436 $\pm$ 0.097  $\chi^2$ /NDF: 308692.4/3

7.170 $\pm$ 0.067  $\chi^2$ /NDF: 682402.2/9

-2.004 $\pm$ 0.092  $\chi^2$ /NDF: 352497.8/5

reg\_asym\_at1\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 10.684+/-3.282  $\chi^2/\text{NDF}$ : 208.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.739+/-2.934  $\chi^2/\text{NDF}$ : 364.1/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

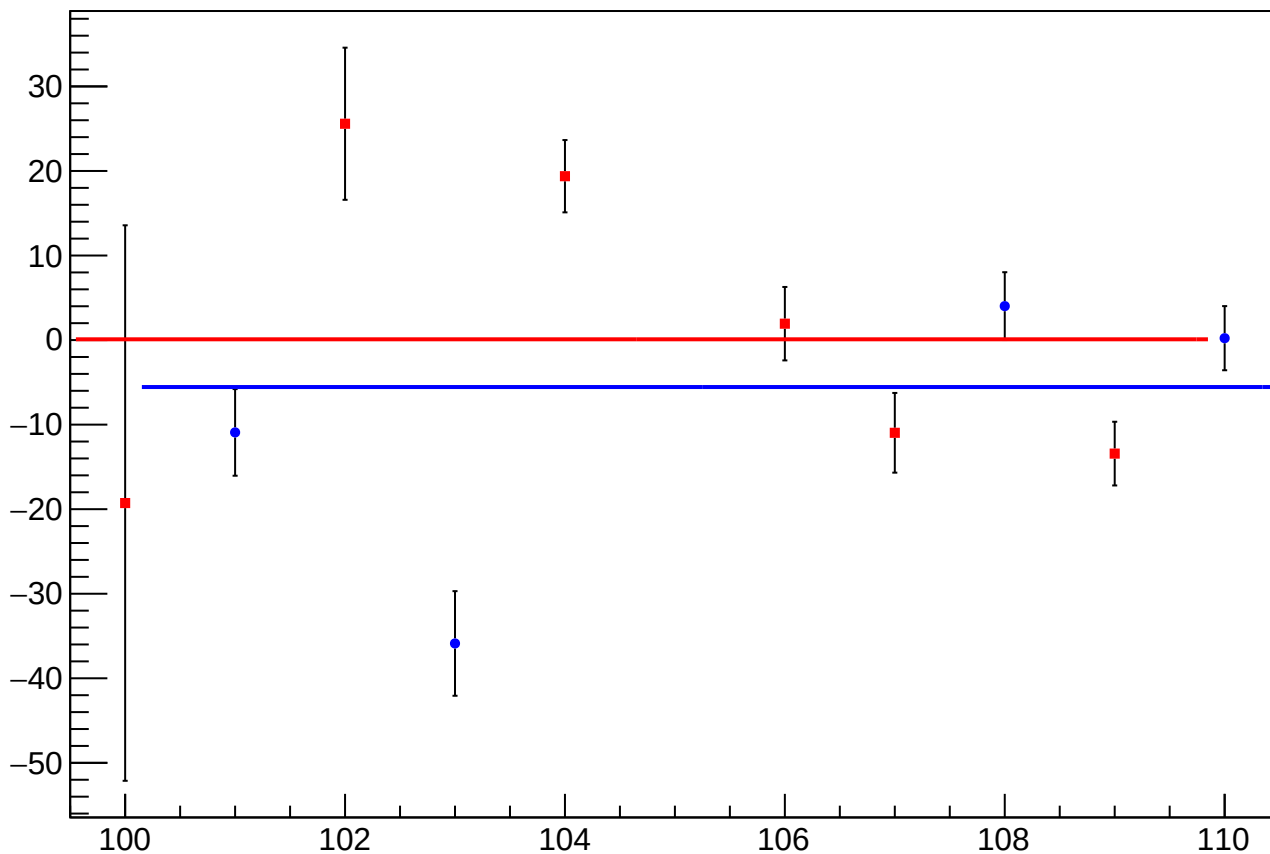
10.684+/-3.282  $\chi^2/\text{NDF}$ : 208.5/3

7.379+/-2.187  $\chi^2/\text{NDF}$ : 574.4/9

4.739+/-2.934  $\chi^2/\text{NDF}$ : 364.1/5



reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -5.553+/-2.259  $\chi^2/\text{NDF}$ : 33.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.091+/-2.056  $\chi^2/\text{NDF}$ : 47.3/5

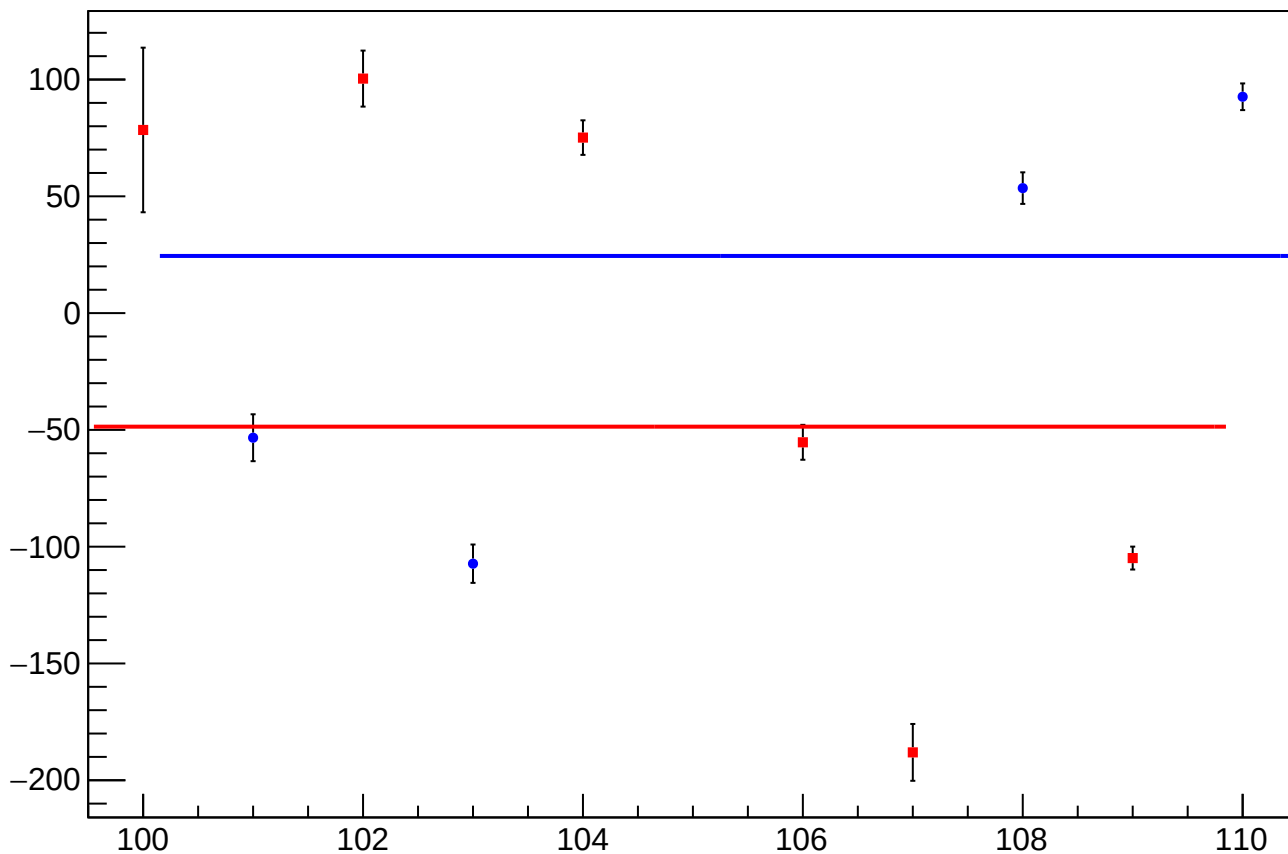
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-5.553+/-2.259  $\chi^2/\text{NDF}$ : 33.1/3

-2.466+/-1.521  $\chi^2/\text{NDF}$ : 83.8/9

0.091+/-2.056  $\chi^2/\text{NDF}$ : 47.3/5

reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 24.472+/-3.596  $\chi^2$ /NDF: 478.6/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -48.616+/-3.292  $\chi^2$ /NDF: 711.1/5

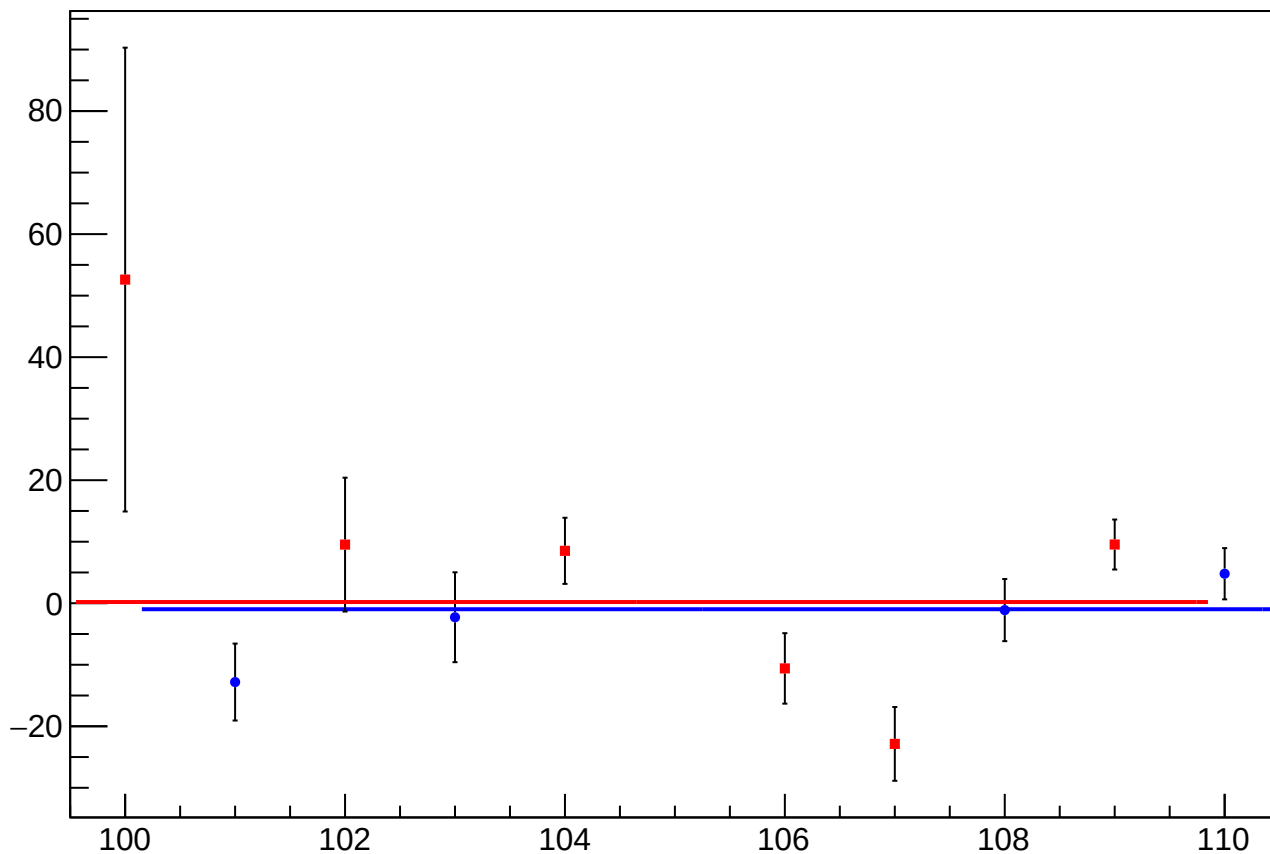
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

24.472+/-3.596  $\chi^2$ /NDF: 478.6/3

-15.295+/-2.428  $\chi^2$ /NDF: 1414.5/9

-48.616+/-3.292  $\chi^2$ /NDF: 711.1/5

reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -0.974+/-2.661  $\chi^2/\text{NDF}$ : 5.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.197+/-2.479  $\chi^2/\text{NDF}$ : 28.7/5

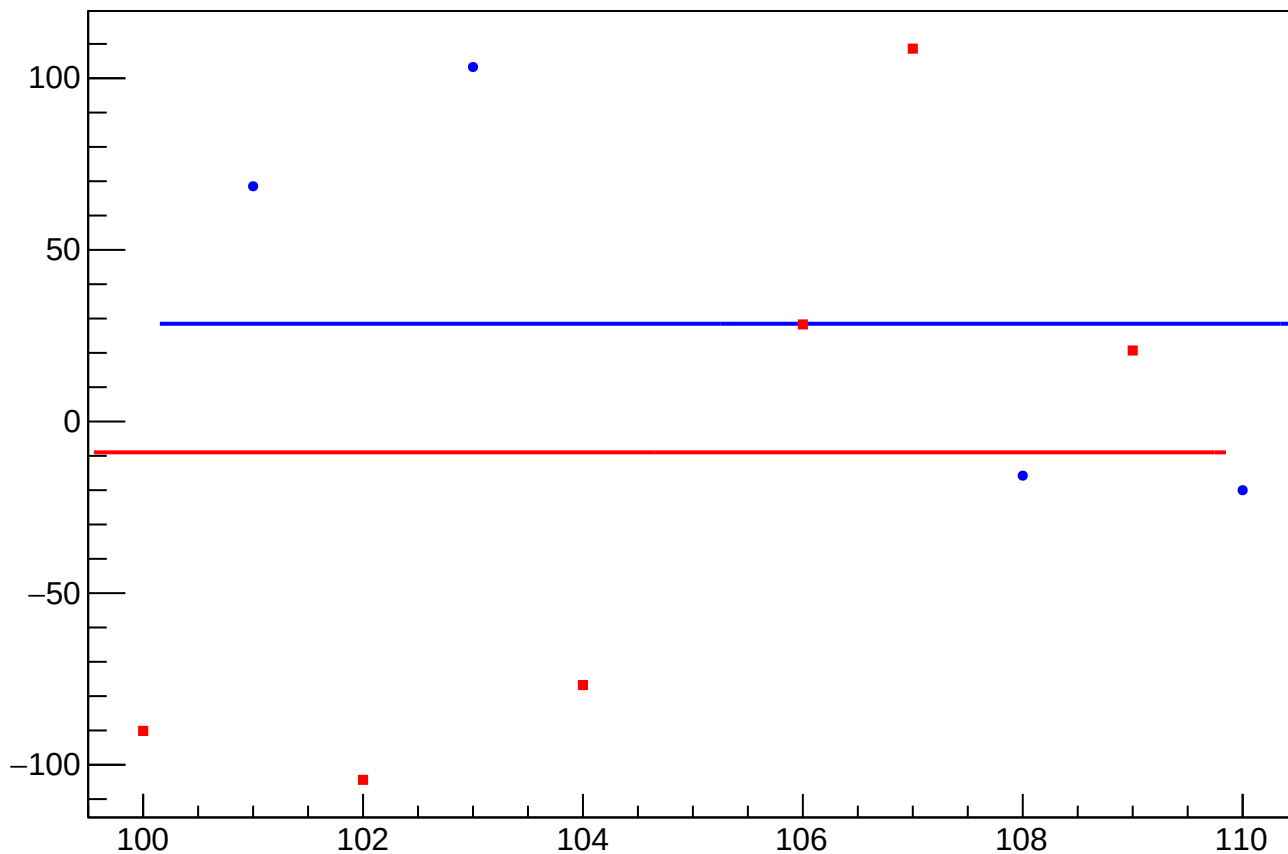
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.974+/-2.661  $\chi^2/\text{NDF}$ : 5.5/3

-0.347+/-1.814  $\chi^2/\text{NDF}$ : 34.3/9

0.197+/-2.479  $\chi^2/\text{NDF}$ : 28.7/5

reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 28.482+/-0.104  $\chi^2/\text{NDF}$ : 291256.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -8.983+/-0.097  $\chi^2/\text{NDF}$ : 486408.0/5

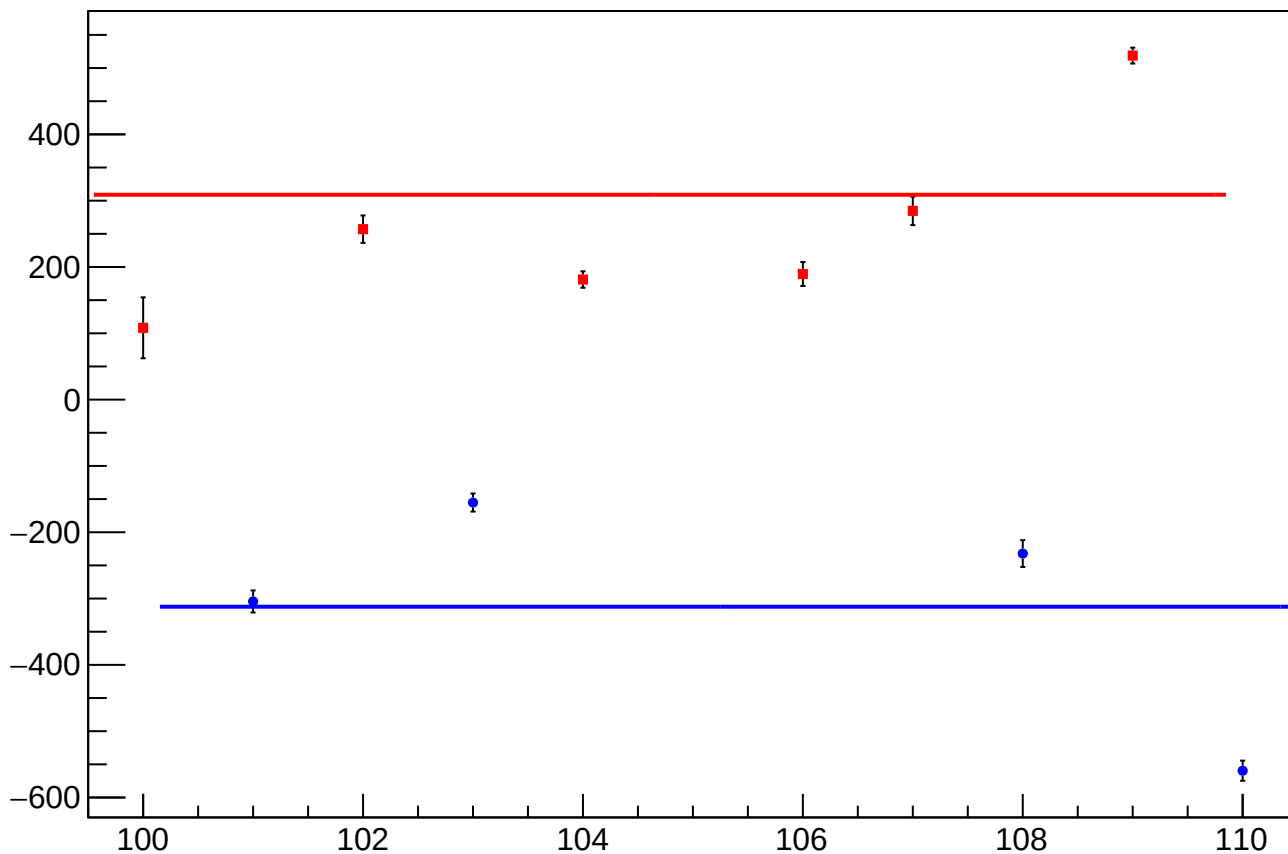
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

28.482+/-0.104  $\chi^2/\text{NDF}$ : 291256.6/3

8.571+/-0.071  $\chi^2/\text{NDF}$ : 846878.4/9

-8.983+/-0.097  $\chi^2/\text{NDF}$ : 486408.0/5

reg\_asym\_at2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -312.269+/-7.963  $\chi^2$ /NDF: 414.2/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 308.970+/-6.809  $\chi^2$ /NDF: 485.3/5

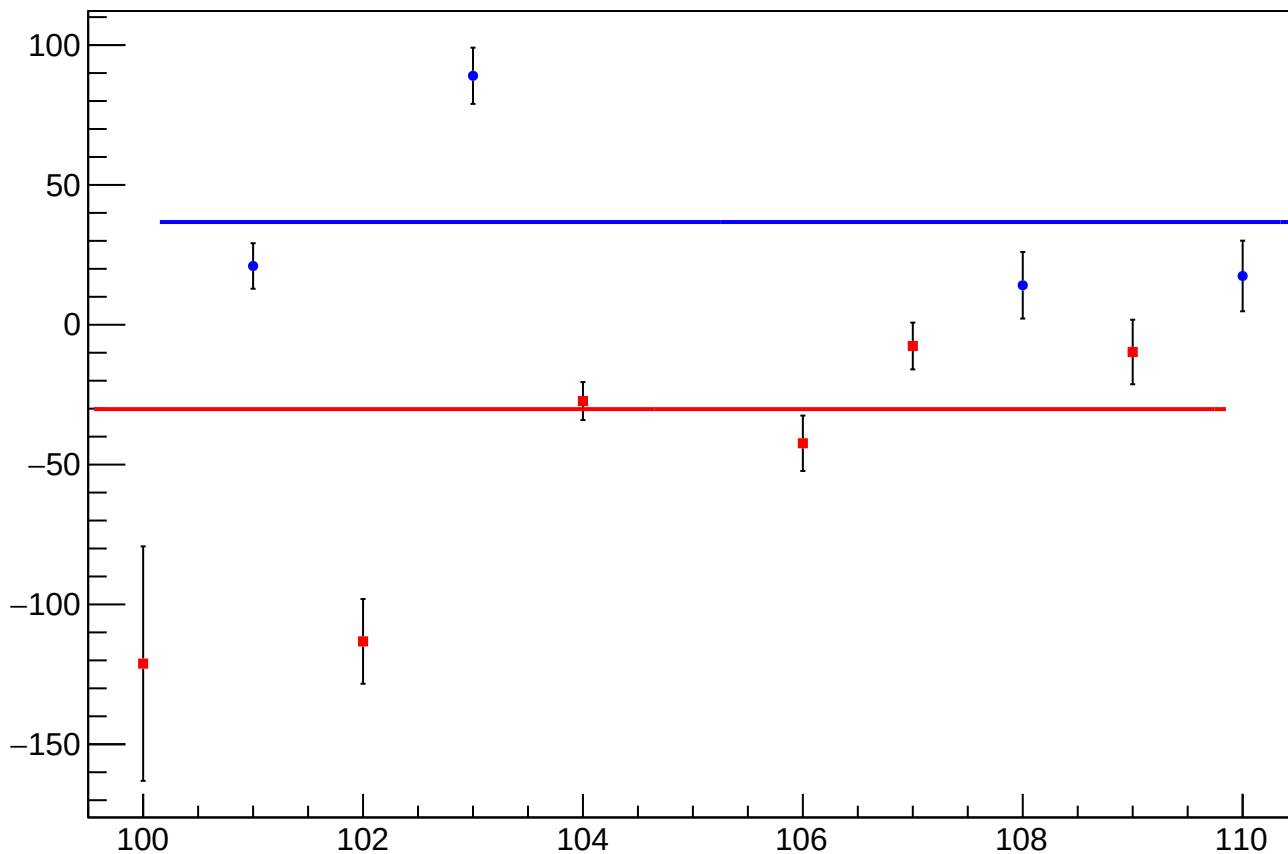
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-312.269+/-7.963  $\chi^2$ /NDF: 414.2/3

46.591+/-5.175  $\chi^2$ /NDF: 4415.1/9

308.970+/-6.809  $\chi^2$ /NDF: 485.3/5

reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 36.731+/-5.109  $\chi^2$ /NDF: 36.7/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -30.164+/-4.130  $\chi^2$ /NDF: 46.9/5

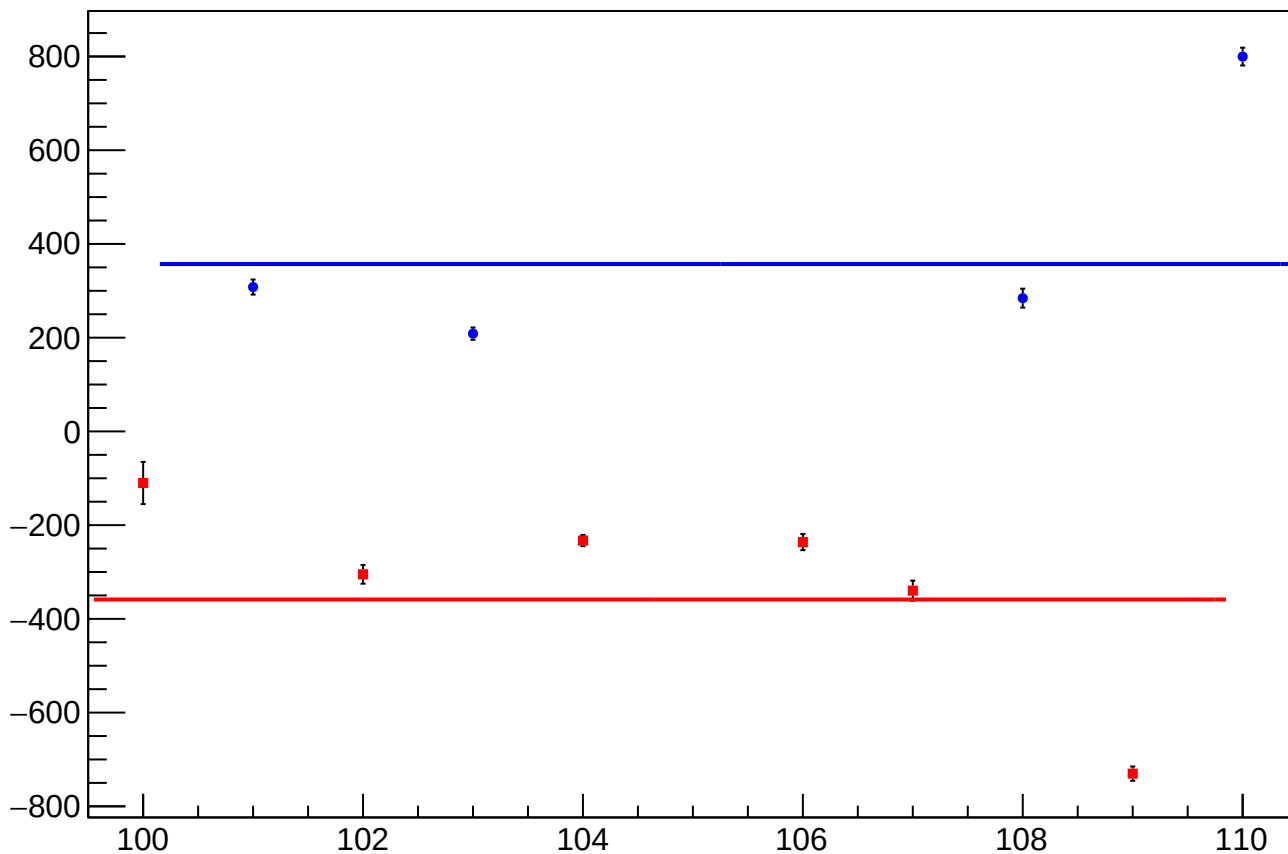
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

36.731+/-5.109  $\chi^2$ /NDF: 36.7/3

-3.724+/-3.212  $\chi^2$ /NDF: 187.3/9

-30.164+/-4.130  $\chi^2$ /NDF: 46.9/5

reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 357.137 $\pm$ 8.201  $\chi^2$ /NDF: 692.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -358.663 $\pm$ 7.109  $\chi^2$ /NDF: 788.9/5

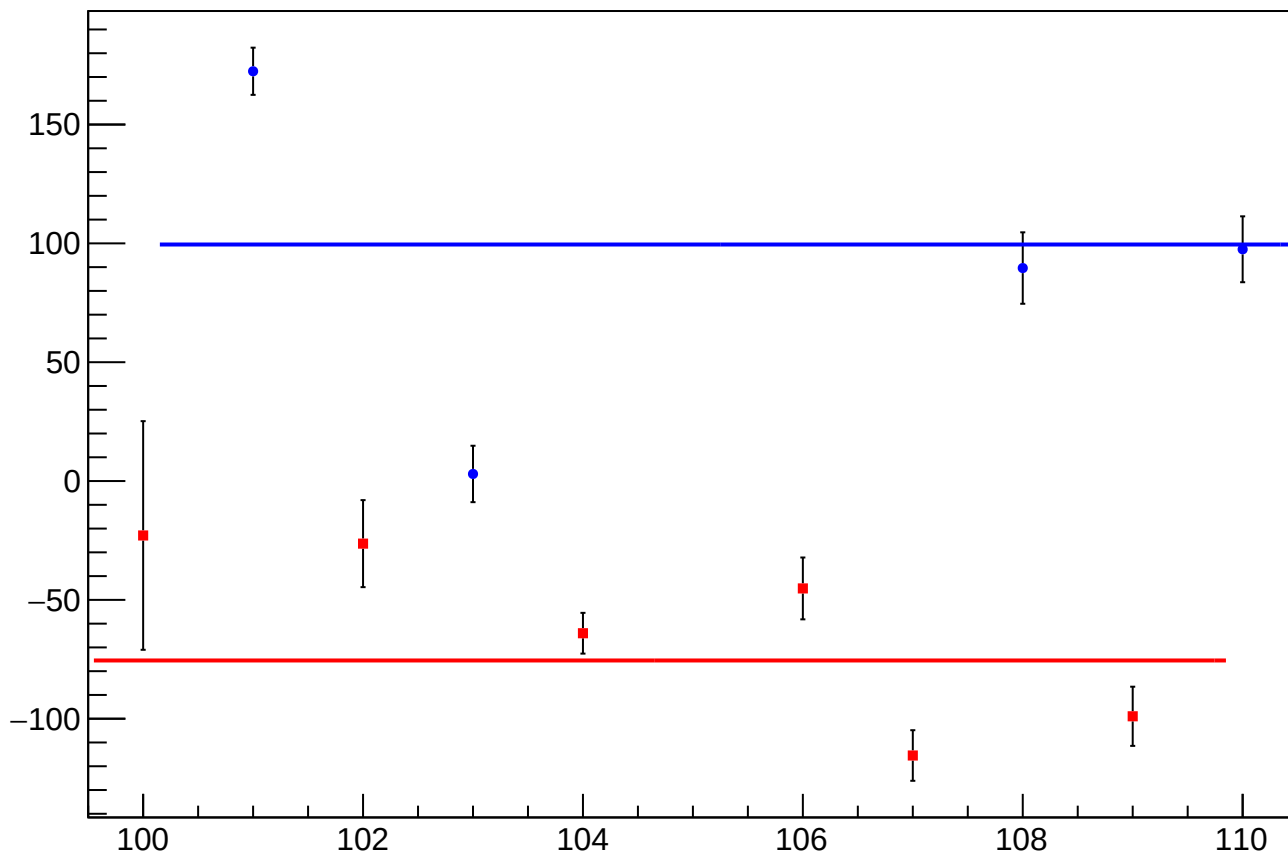
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

357.137 $\pm$ 8.201  $\chi^2$ /NDF: 692.4/3

-51.526 $\pm$ 5.372  $\chi^2$ /NDF: 5831.0/9

-358.663 $\pm$ 7.109  $\chi^2$ /NDF: 788.9/5

reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 99.522+/-6.100  $\chi^2$ /NDF: 120.5/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -75.495+/-5.116  $\chi^2$ /NDF: 33.3/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

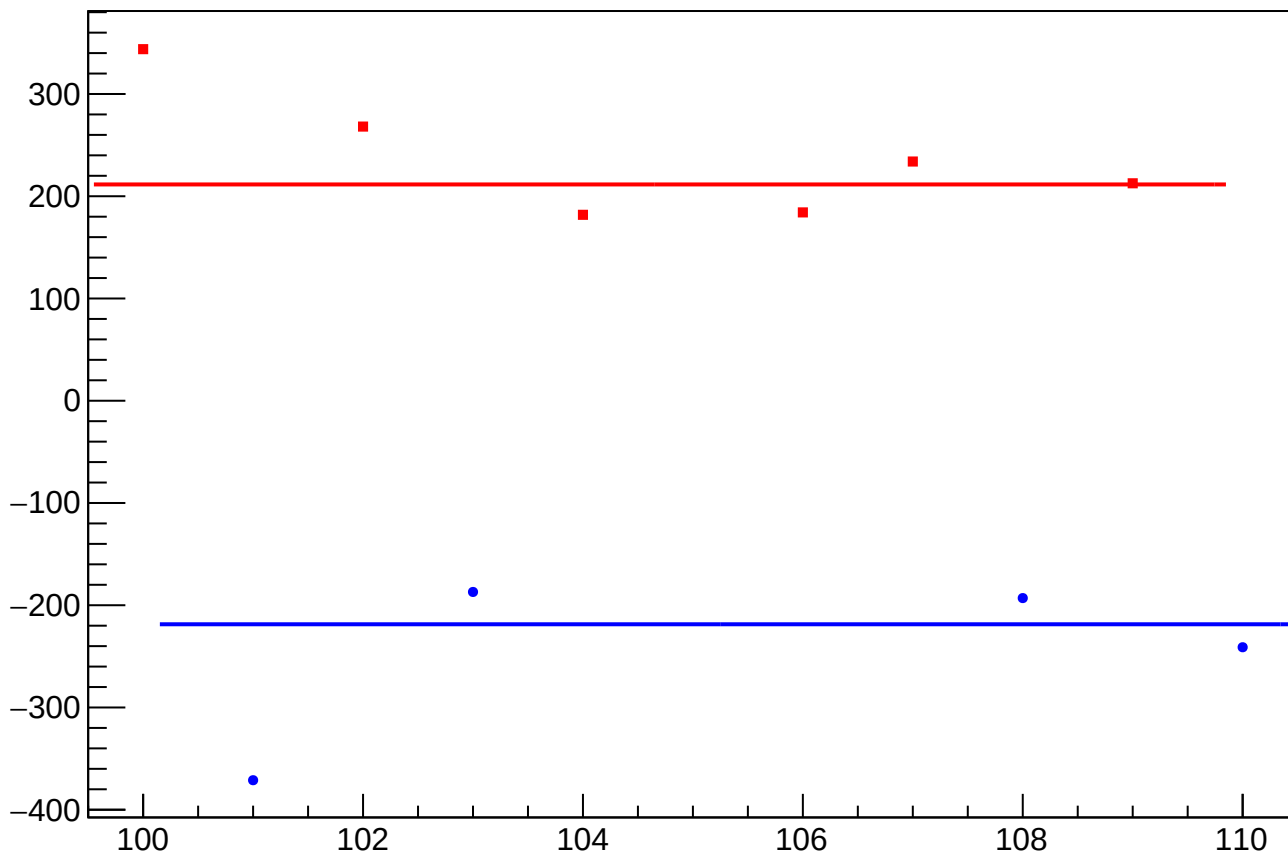
99.522+/-6.100  $\chi^2$ /NDF: 120.5/3

-3.213+/-3.920  $\chi^2$ /NDF: 637.1/9

-75.495+/-5.116  $\chi^2$ /NDF: 33.3/5



reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -218.618+/-0.222  $\chi^2/\text{NDF}$ : 84618.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 211.540+/-0.196  $\chi^2/\text{NDF}$ : 37333.7/5

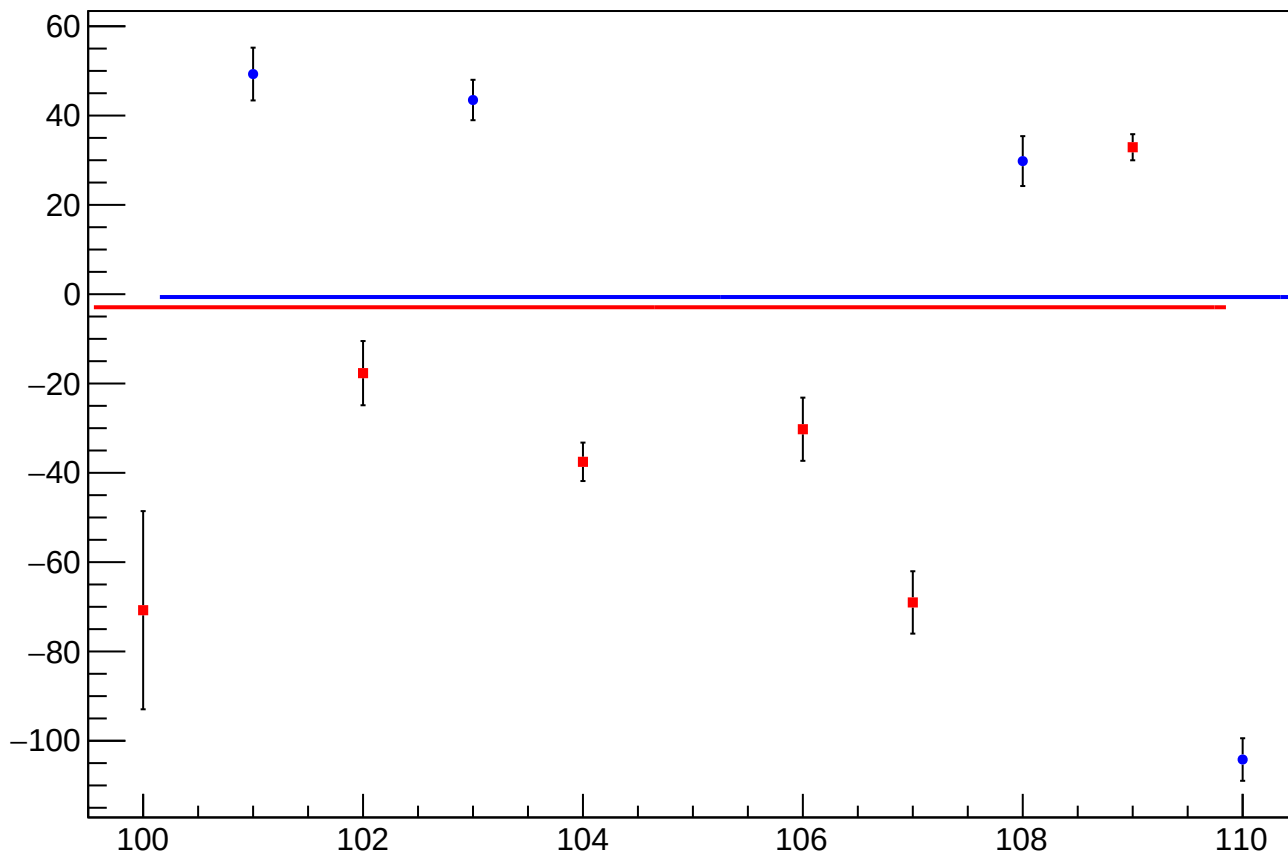
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-218.618+/-0.222  $\chi^2/\text{NDF}$ : 84618.9/3

23.423+/-0.147  $\chi^2/\text{NDF}$ : 2234475.7/9

211.540+/-0.196  $\chi^2/\text{NDF}$ : 37333.7/5

reg\_asym\_at2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.635+/-2.551  $\chi^2$ /NDF: 668.8/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.923+/-2.072  $\chi^2$ /NDF: 333.0/5

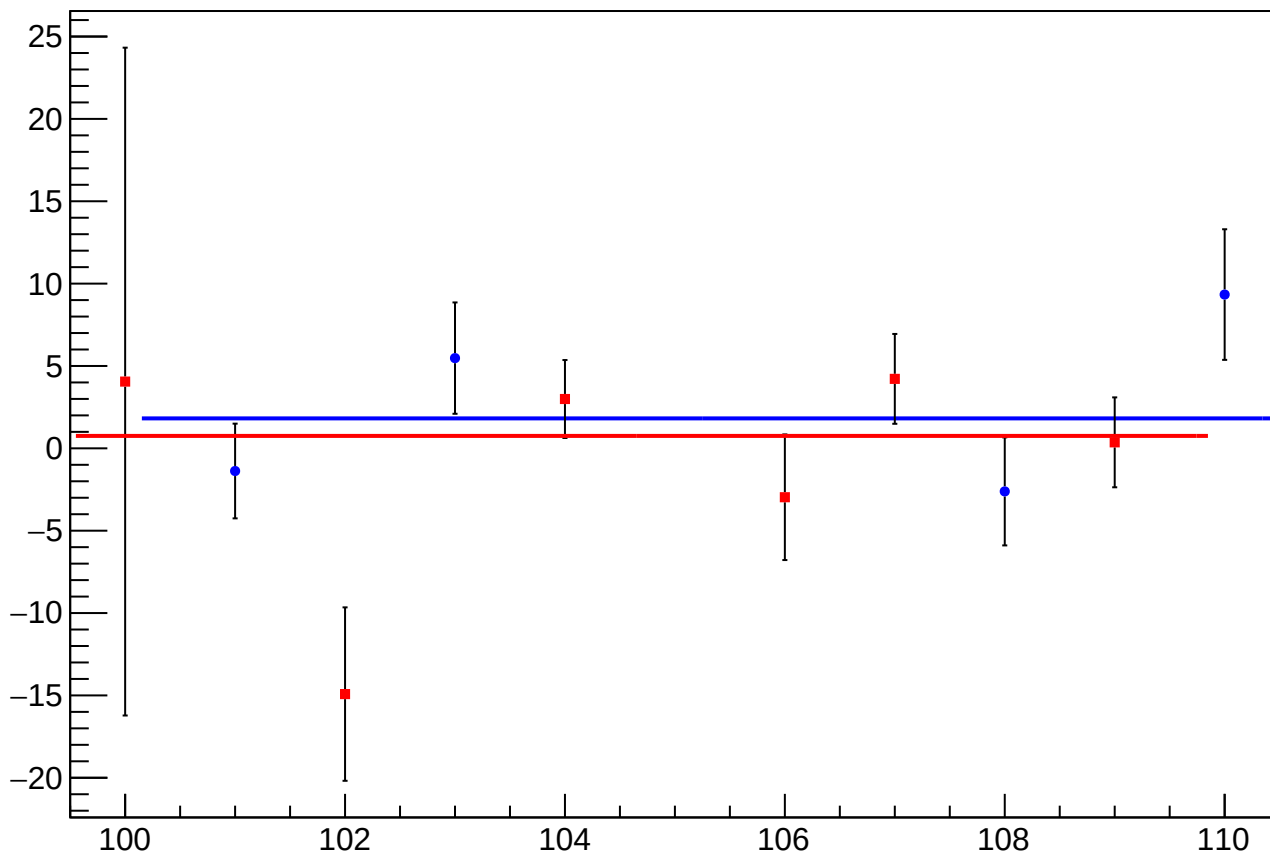
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-0.635+/-2.551  $\chi^2$ /NDF: 668.8/3

-2.014+/-1.608  $\chi^2$ /NDF: 1002.3/9

-2.923+/-2.072  $\chi^2$ /NDF: 333.0/5

reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.818 $\pm$ 1.655  $\chi^2$ /NDF: 7.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.754 $\pm$ 1.343  $\chi^2$ /NDF: 12.4/5

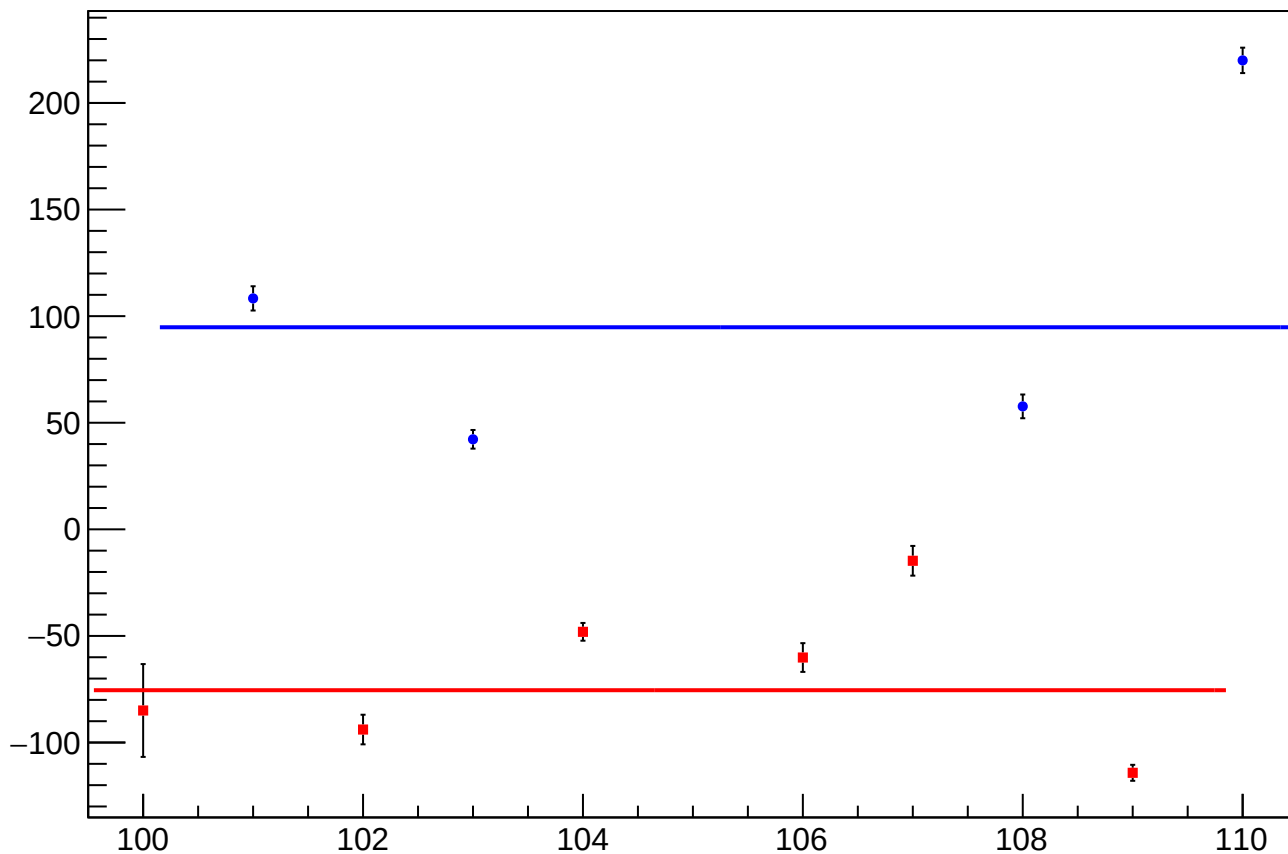
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.818 $\pm$ 1.655  $\chi^2$ /NDF: 7.8/3

1.177 $\pm$ 1.043  $\chi^2$ /NDF: 20.5/9

0.754 $\pm$ 1.343  $\chi^2$ /NDF: 12.4/5

reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 94.788+/-2.640  $\chi^2$ /NDF: 635.7/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -75.462+/-2.269  $\chi^2$ /NDF: 238.5/5

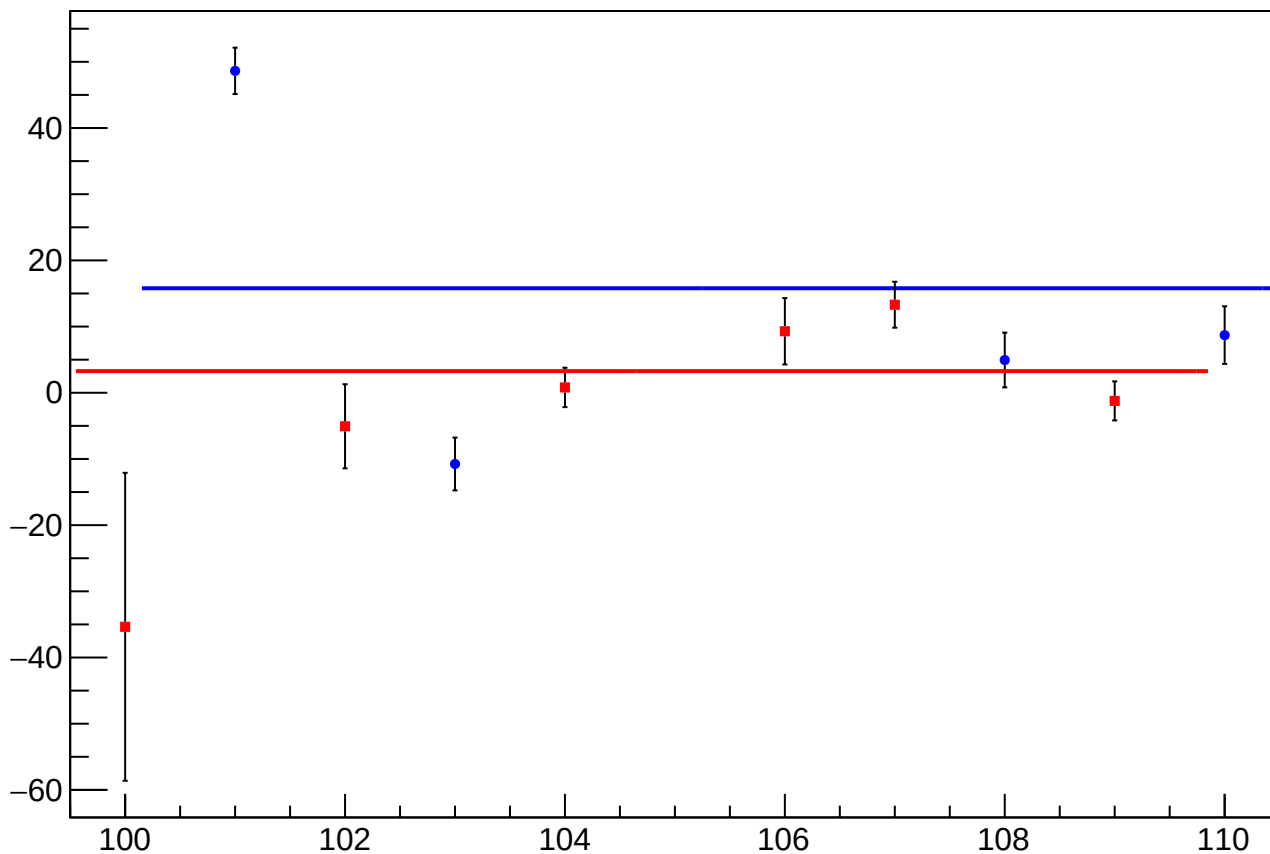
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

94.788+/-2.640  $\chi^2$ /NDF: 635.7/3

-3.134+/-1.721  $\chi^2$ /NDF: 3266.7/9

-75.462+/-2.269  $\chi^2$ /NDF: 238.5/5

reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 15.790+/-1.978  $\chi^2/\text{NDF}$ : 141.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.270+/-1.628  $\chi^2/\text{NDF}$ : 17.3/5

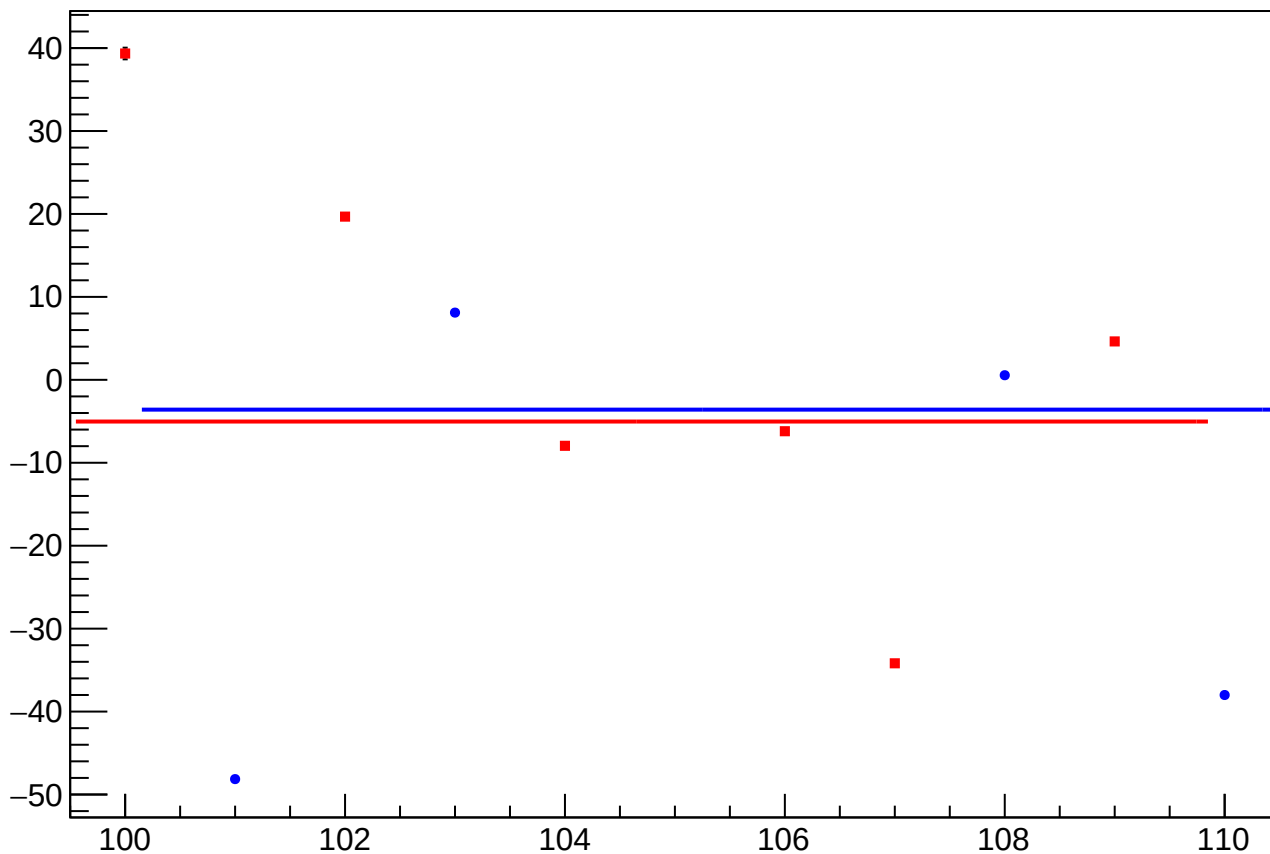
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

15.790+/-1.978  $\chi^2/\text{NDF}$ : 141.6/3

8.324+/-1.257  $\chi^2/\text{NDF}$ : 182.8/9

3.270+/-1.628  $\chi^2/\text{NDF}$ : 17.3/5

reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-3.594 \pm 0.071$   $\chi^2/\text{NDF}$ : 76629.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-5.029 \pm 0.065$   $\chi^2/\text{NDF}$ : 65230.7/5

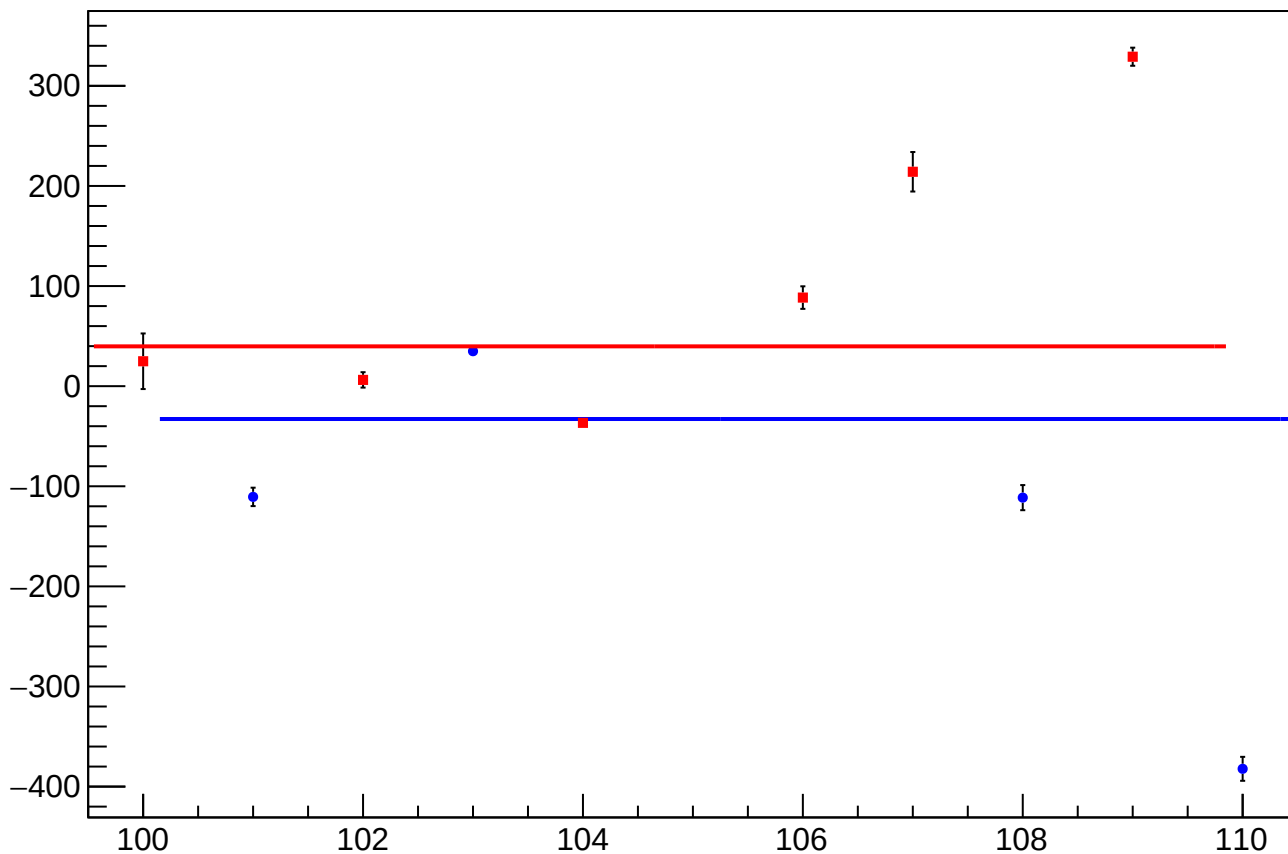
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-3.594 \pm 0.071$   $\chi^2/\text{NDF}$ : 76629.1/3

$-4.365 \pm 0.048$   $\chi^2/\text{NDF}$ : 142082.8/9

$-5.029 \pm 0.065$   $\chi^2/\text{NDF}$ : 65230.7/5

reg\_asym\_atl1r2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -32.805+/-3.489  $\chi^2/\text{NDF}$ : 1224.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 39.765+/-3.324  $\chi^2/\text{NDF}$ : 1430.8/5

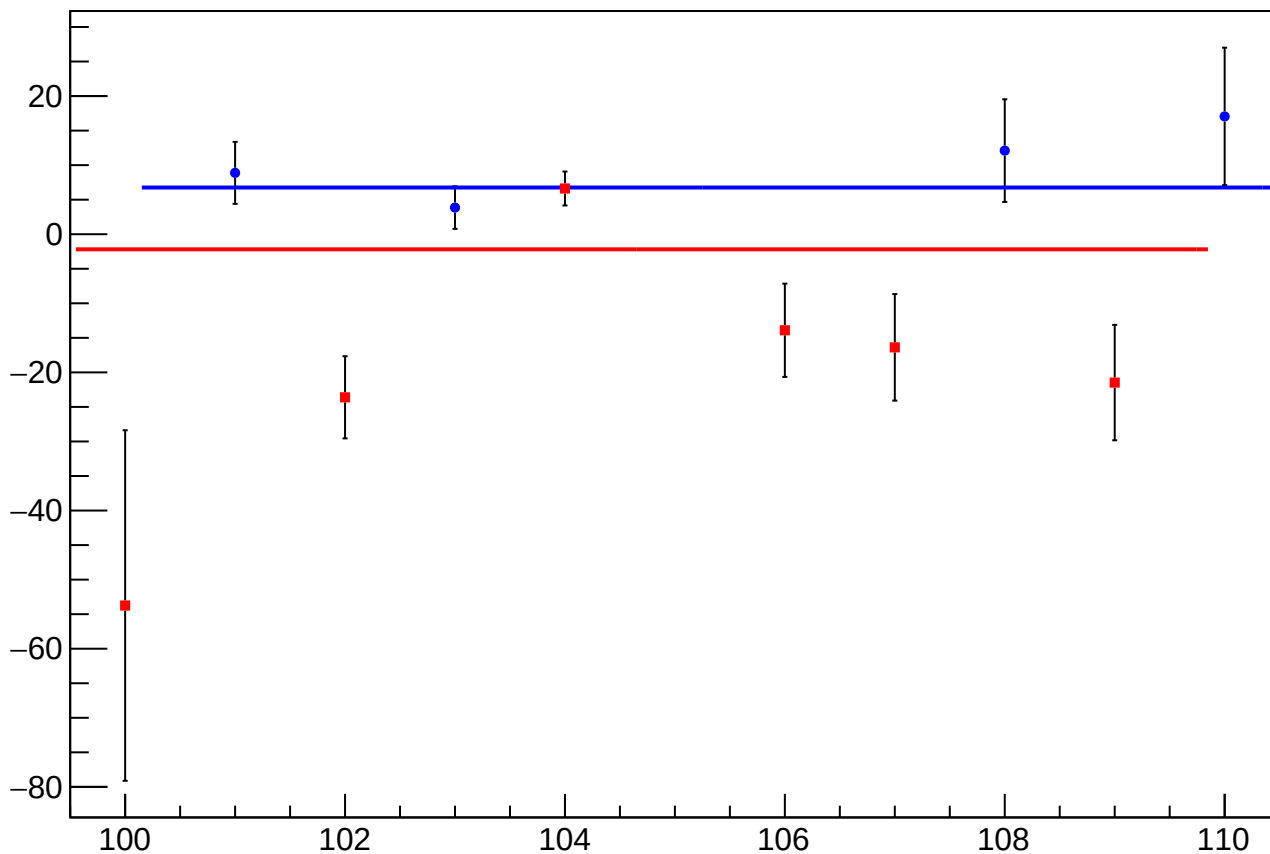
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-32.805+/-3.489  $\chi^2/\text{NDF}$ : 1224.9/3

5.228+/-2.407  $\chi^2/\text{NDF}$ : 2882.5/9

39.765+/-3.324  $\chi^2/\text{NDF}$ : 1430.8/5

reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.762 $\pm$ 2.336  $\chi^2$ /NDF: 2.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2.186 $\pm$ 2.006  $\chi^2$ /NDF: 41.7/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

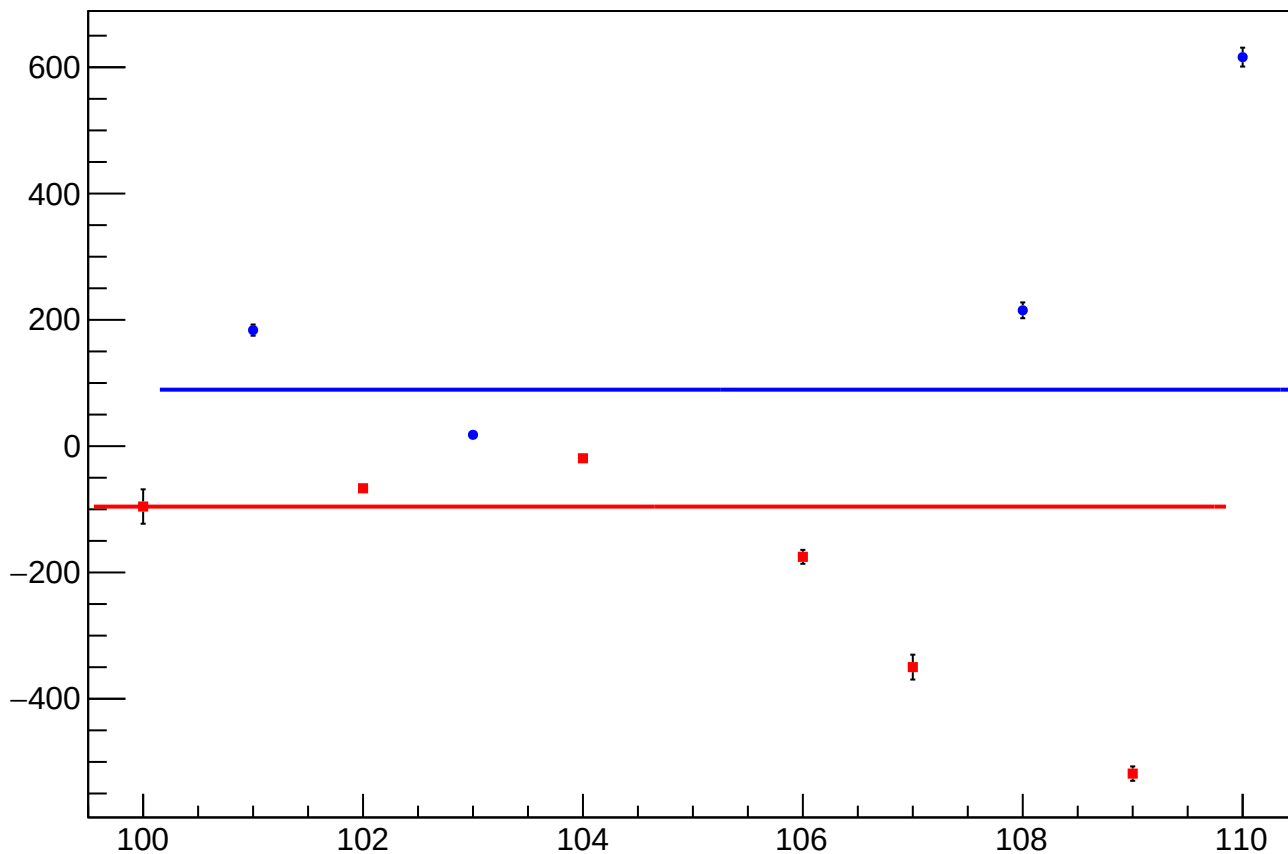
6.762 $\pm$ 2.336  $\chi^2$ /NDF: 2.7/3

1.612 $\pm$ 1.522  $\chi^2$ /NDF: 52.8/9

-2.186 $\pm$ 2.006  $\chi^2$ /NDF: 41.7/5



reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 89.459+/-3.439  $\chi^2/\text{NDF}$ : 1763.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -95.691+/-3.318  $\chi^2/\text{NDF}$ : 1922.2/5

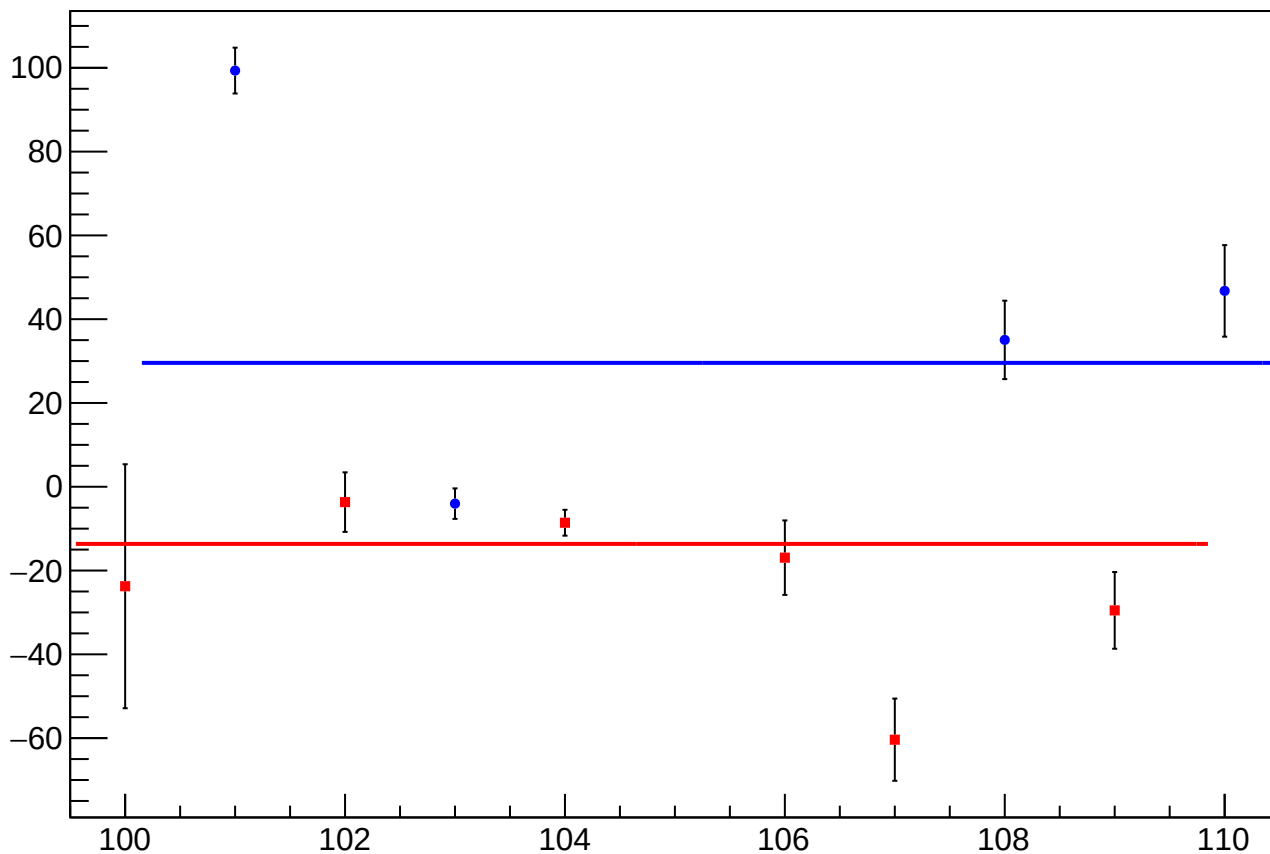
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

89.459+/-3.439  $\chi^2/\text{NDF}$ : 1763.5/3

-6.432+/-2.388  $\chi^2/\text{NDF}$ : 5186.5/9

-95.691+/-3.318  $\chi^2/\text{NDF}$ : 1922.2/5

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 29.574+/-2.787  $\chi^2$ /NDF: 250.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -13.642+/-2.493  $\chi^2$ /NDF: 30.6/5

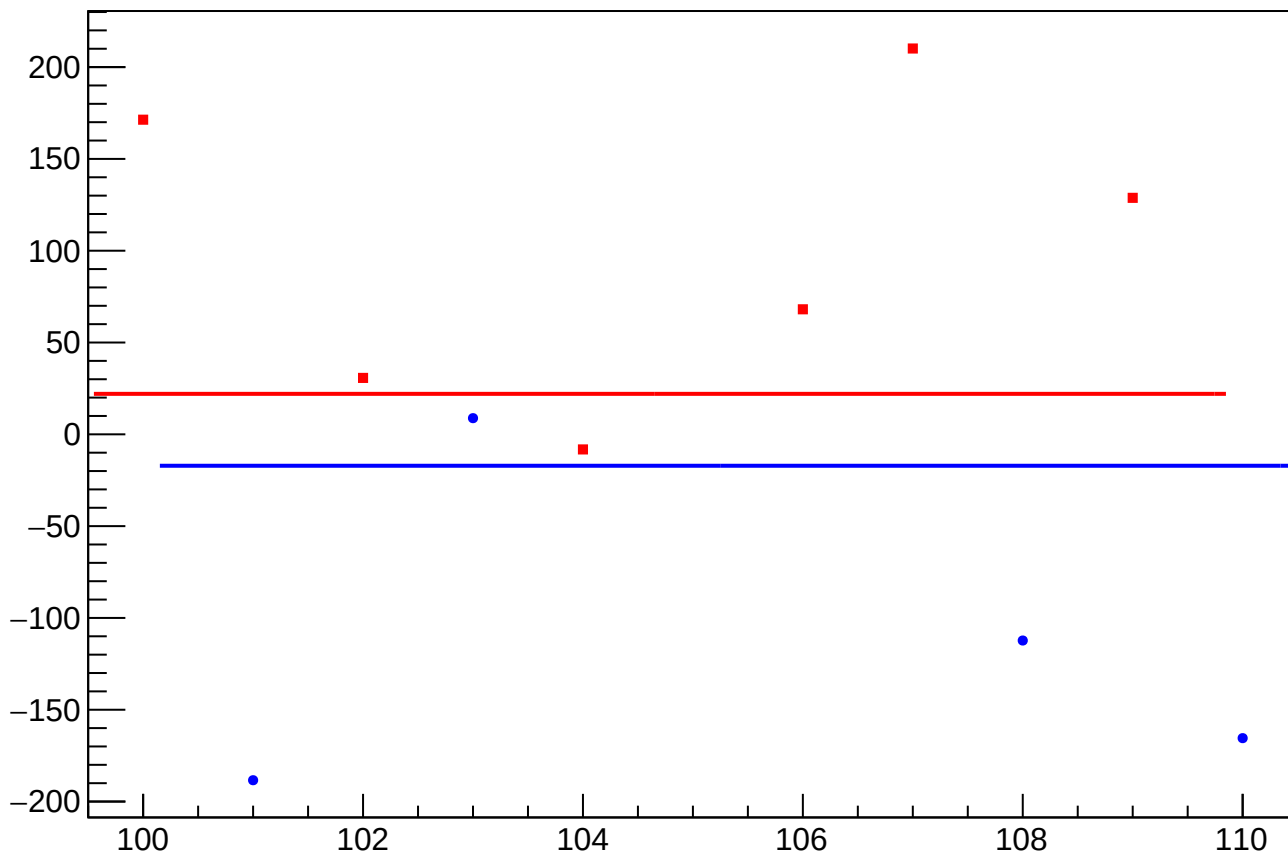
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

29.574+/-2.787  $\chi^2$ /NDF: 250.9/3

5.567+/-1.858  $\chi^2$ /NDF: 415.1/9

-13.642+/-2.493  $\chi^2$ /NDF: 30.6/5

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -17.119+/-0.083  $\chi^2/\text{NDF}$ : 523965.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 22.044+/-0.084  $\chi^2/\text{NDF}$ : 366192.9/5

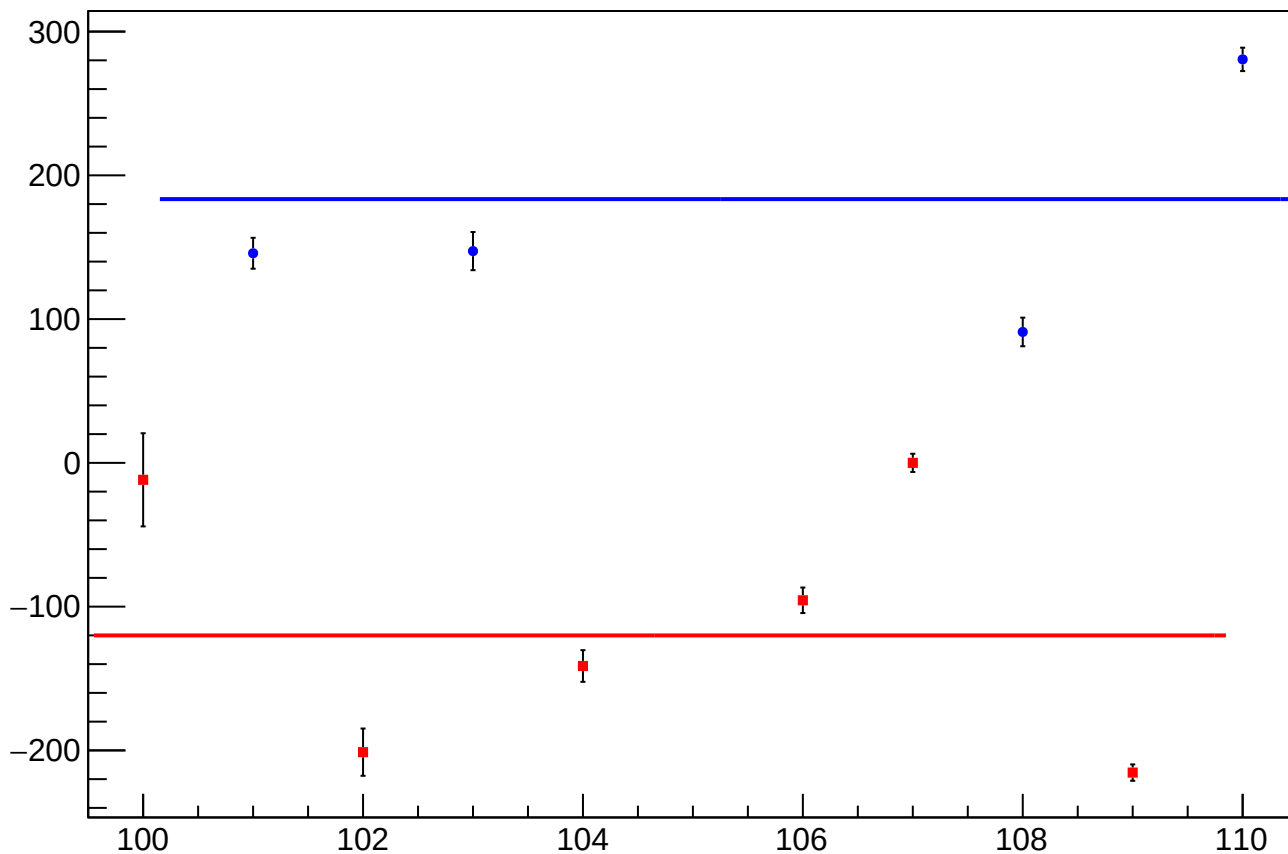
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-17.119+/-0.083  $\chi^2/\text{NDF}$ : 523965.0/3

2.182+/-0.059  $\chi^2/\text{NDF}$ : 1000011.9/9

22.044+/-0.084  $\chi^2/\text{NDF}$ : 366192.9/5

reg\_asym\_atl1r2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 183.458 $\pm$ 5.032  $\chi^2$ /NDF: 248.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -120.024 $\pm$ 3.506  $\chi^2$ /NDF: 686.7/5

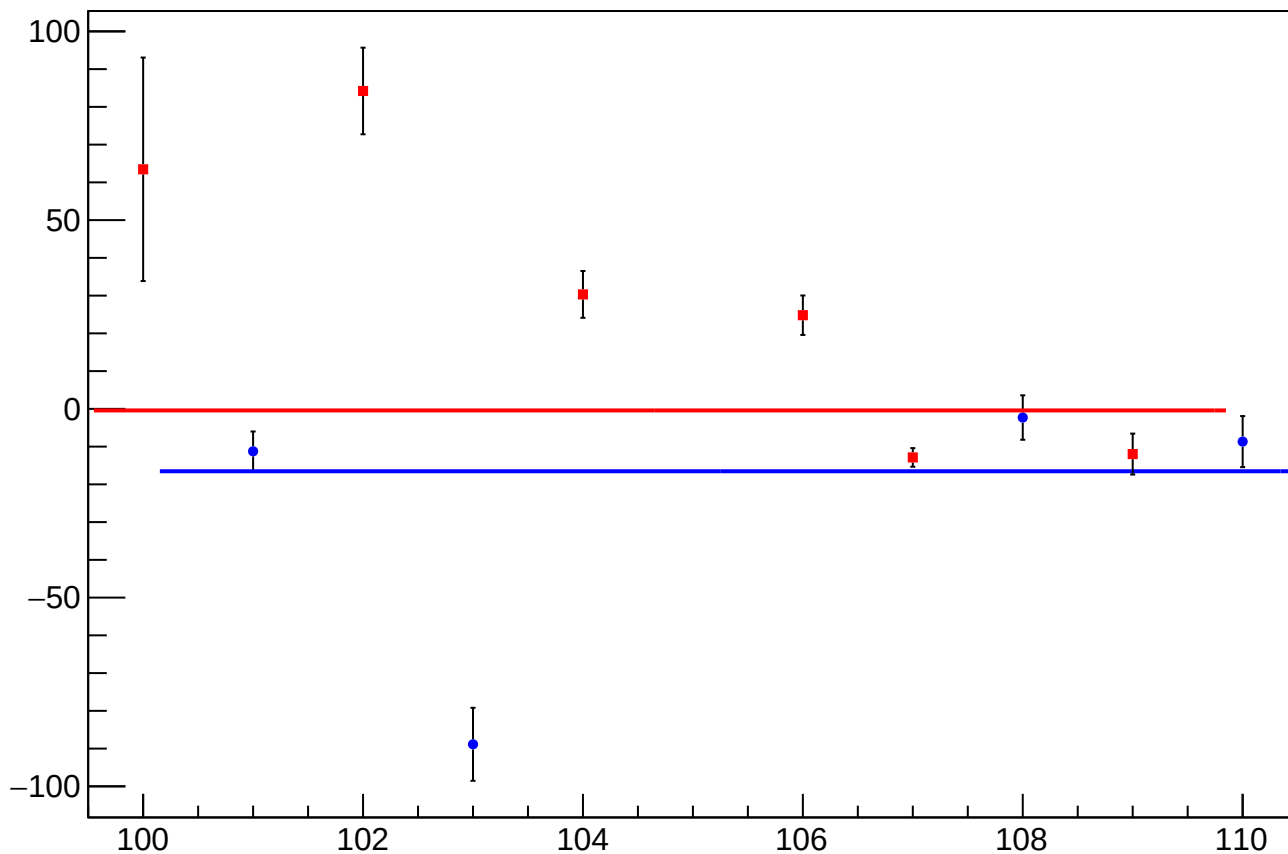
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

183.458 $\pm$ 5.032  $\chi^2$ /NDF: 248.2/3

-20.820 $\pm$ 2.877  $\chi^2$ /NDF: 3383.7/9

-120.024 $\pm$ 3.506  $\chi^2$ /NDF: 686.7/5

reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -16.526+/-3.199  $\chi^2/\text{NDF}$ : 64.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.416+/-1.926  $\chi^2/\text{NDF}$ : 137.0/5

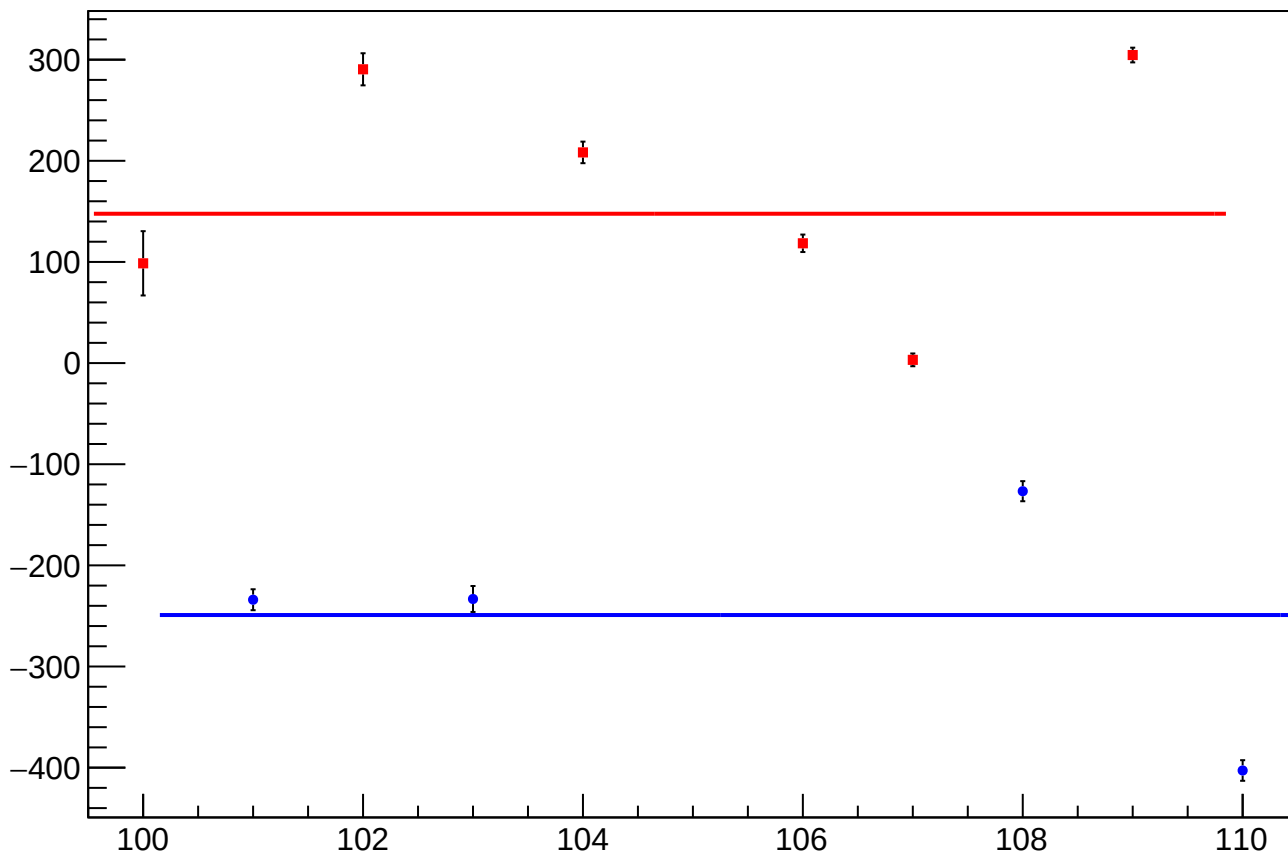
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-16.526+/-3.199  $\chi^2/\text{NDF}$ : 64.2/3

-4.701+/-1.650  $\chi^2/\text{NDF}$ : 219.8/9

-0.416+/-1.926  $\chi^2/\text{NDF}$ : 137.0/5

reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -249.102+/-5.331  $\chi^2/\text{NDF}$ : 383.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 147.662+/-3.750  $\chi^2/\text{NDF}$ : 1114.8/5

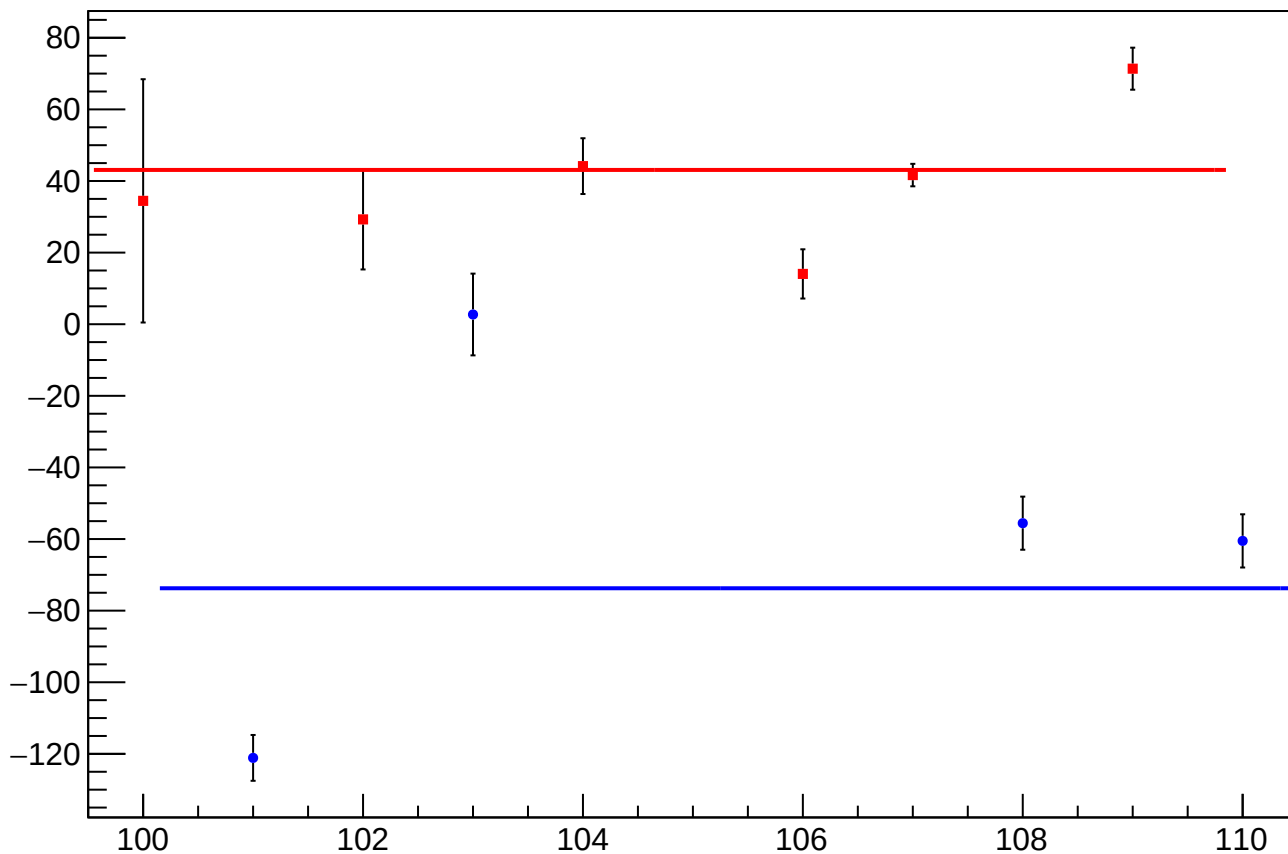
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-249.102+/-5.331  $\chi^2/\text{NDF}$ : 383.3/3

16.317+/-3.067  $\chi^2/\text{NDF}$ : 5203.5/9

147.662+/-3.750  $\chi^2/\text{NDF}$ : 1114.8/5

reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -73.748 $\pm$ 3.824  $\chi^2$ /NDF: 108.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 43.089 $\pm$ 2.396  $\chi^2$ /NDF: 42.3/5

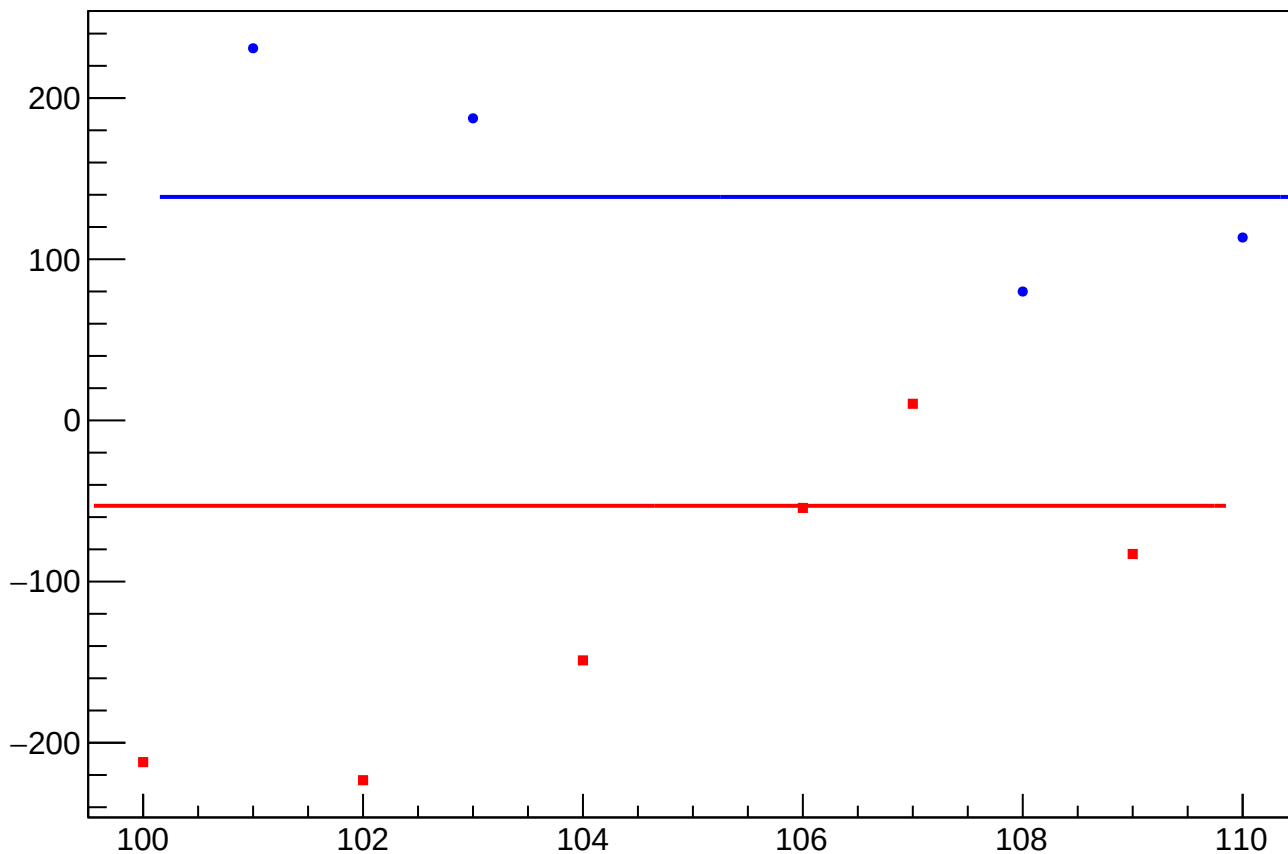
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-73.748 $\pm$ 3.824  $\chi^2$ /NDF: 108.8/3

10.151 $\pm$ 2.030  $\chi^2$ /NDF: 821.4/9

43.089 $\pm$ 2.396  $\chi^2$ /NDF: 42.3/5

reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 138.658+/-0.153  $\chi^2/\text{NDF}$ : 160302.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -52.985+/-0.101  $\chi^2/\text{NDF}$ : 555360.3/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

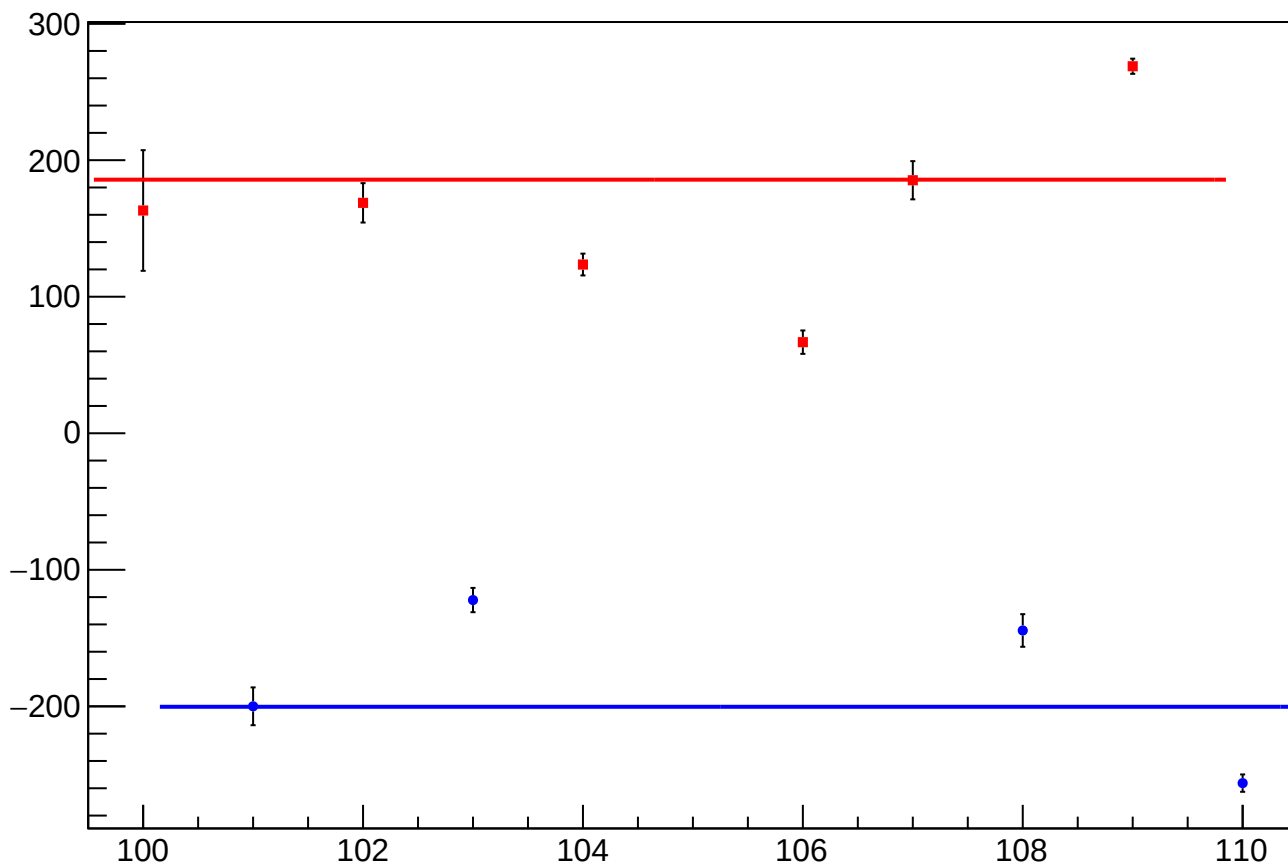
138.658+/-0.153  $\chi^2/\text{NDF}$ : 160302.3/3

5.283+/-0.084  $\chi^2/\text{NDF}$ : 1813961.9/9

-52.985+/-0.101  $\chi^2/\text{NDF}$ : 555360.3/5



reg\_asym\_atr1l2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -200.316+/-4.490  $\chi^2/\text{NDF}$ : 176.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 185.734+/-3.722  $\chi^2/\text{NDF}$ : 479.2/5

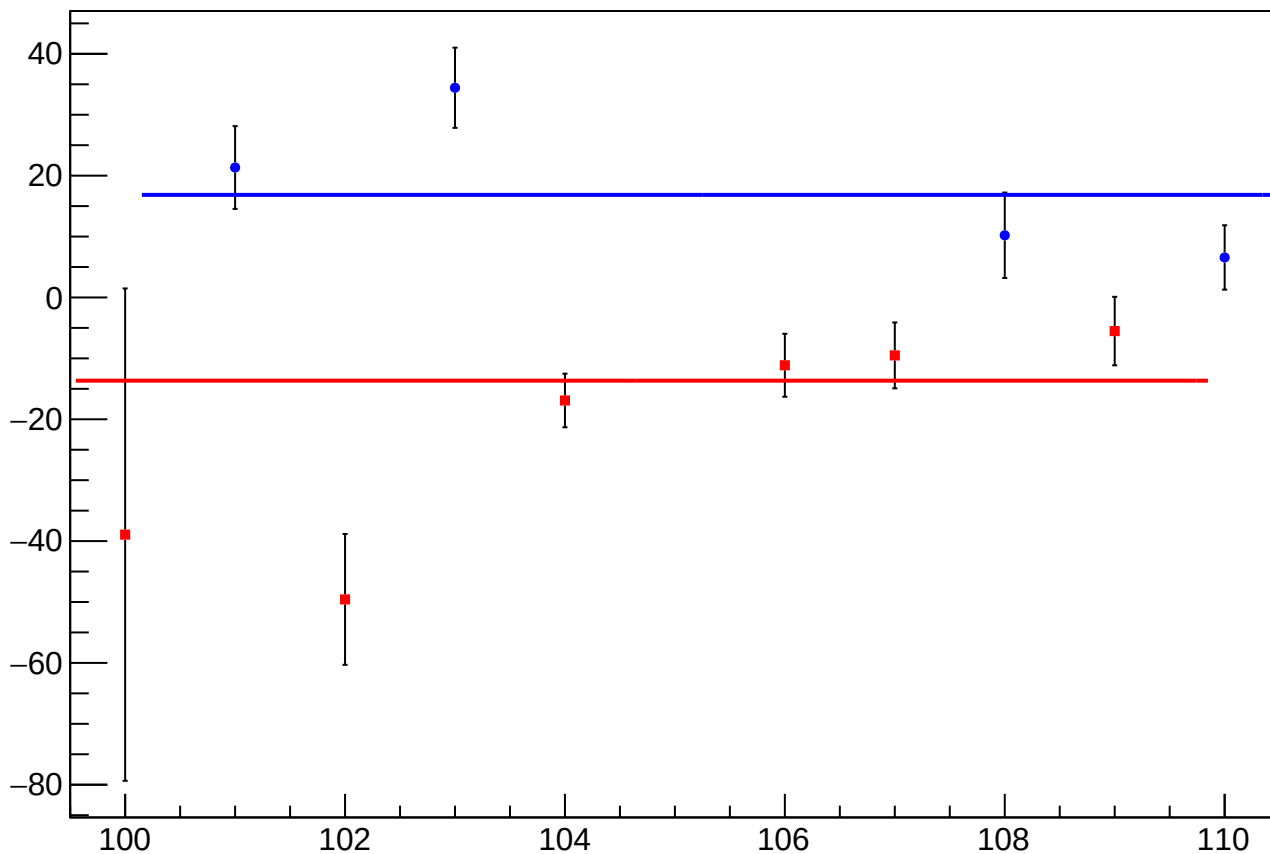
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-200.316+/-4.490  $\chi^2/\text{NDF}$ : 176.5/3

28.493+/-2.865  $\chi^2/\text{NDF}$ : 5037.5/9

185.734+/-3.722  $\chi^2/\text{NDF}$ : 479.2/5

reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 16.844+/-3.149  $\chi^2$ /NDF: 12.2/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -13.664+/-2.468  $\chi^2$ /NDF: 15.0/5

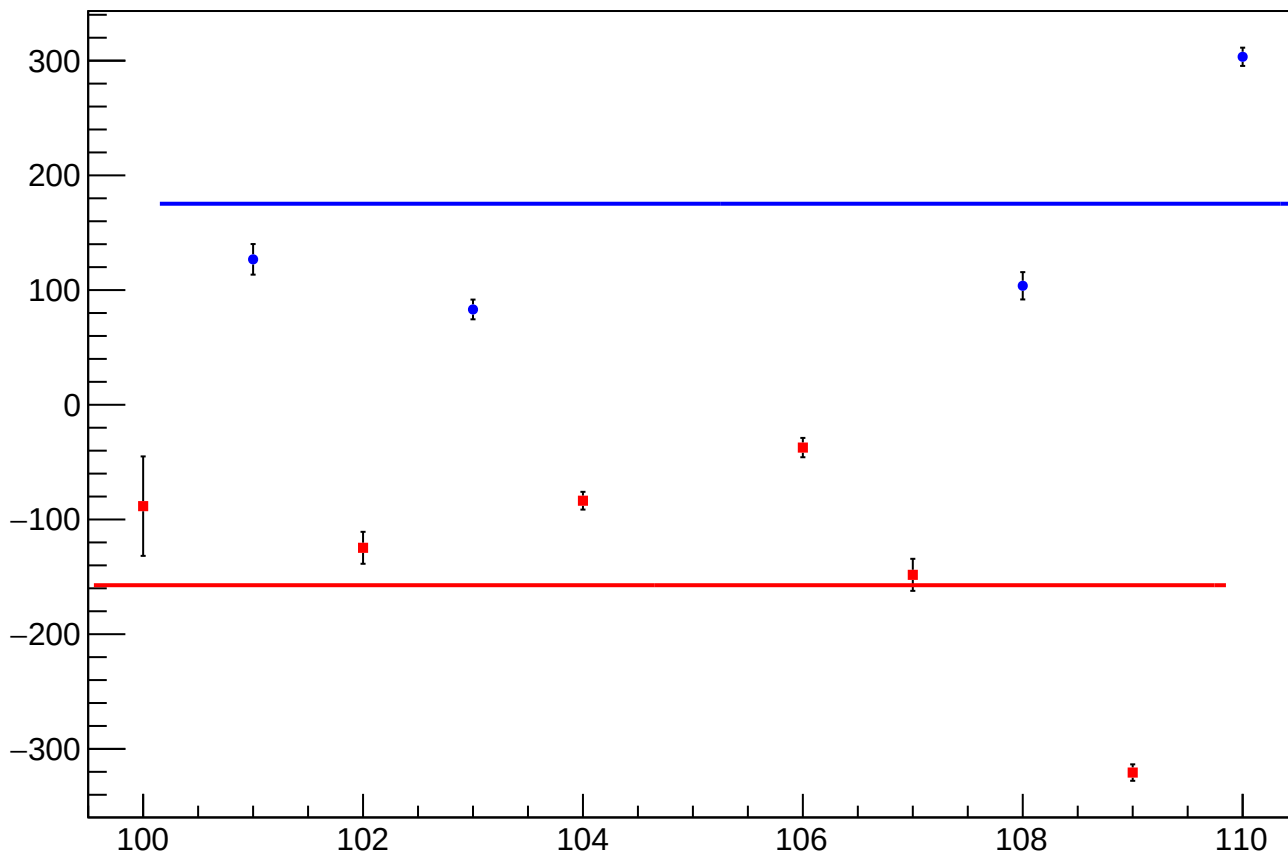
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

16.844+/-3.149  $\chi^2$ /NDF: 12.2/3

-2.053+/-1.942  $\chi^2$ /NDF: 85.4/9

-13.664+/-2.468  $\chi^2$ /NDF: 15.0/5

reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 175.273+/-4.880  $\chi^2/\text{NDF}$ : 423.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -157.295+/-4.047  $\chi^2/\text{NDF}$ : 820.2/5

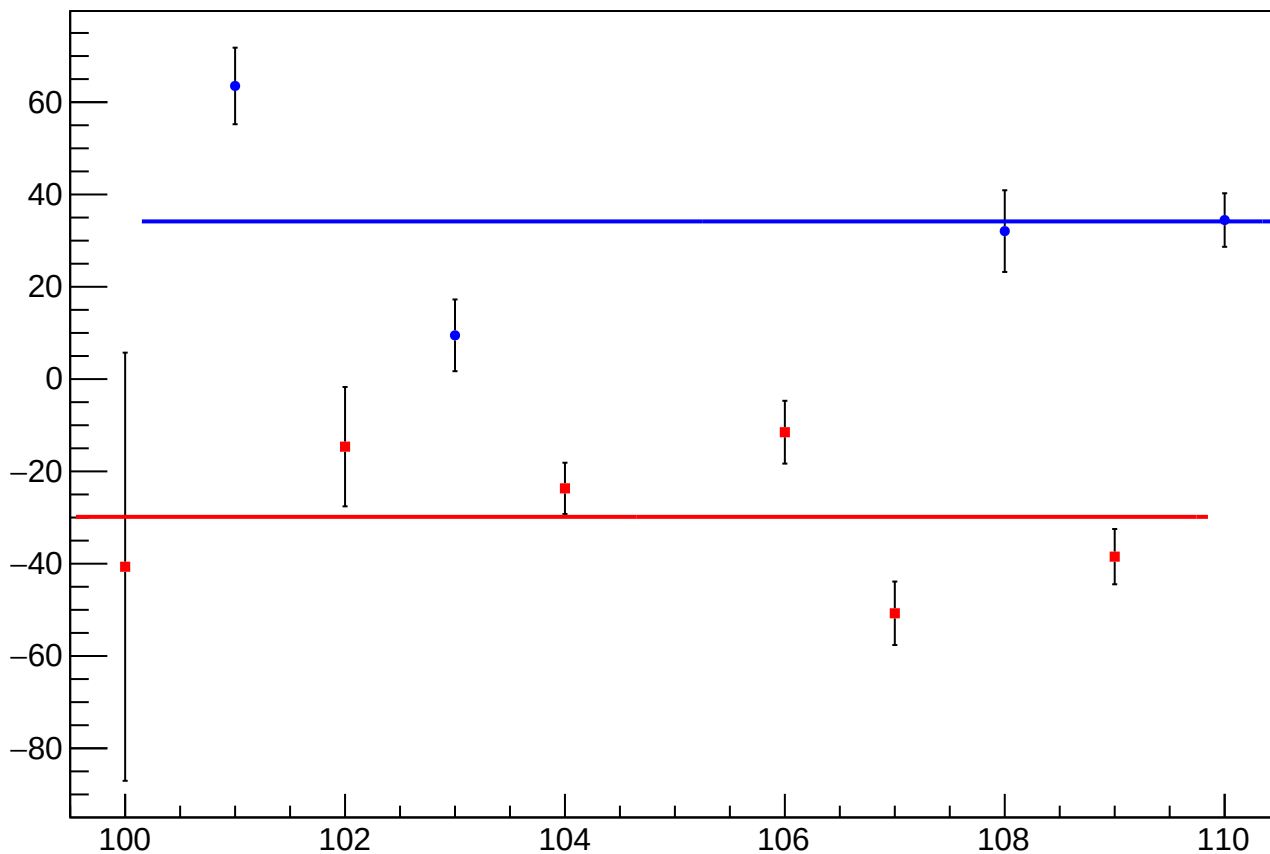
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

175.273+/-4.880  $\chi^2/\text{NDF}$ : 423.4/3

-21.760+/-3.115  $\chi^2/\text{NDF}$ : 3995.3/9

-157.295+/-4.047  $\chi^2/\text{NDF}$ : 820.2/5

reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 34.166+/-3.687  $\chi^2$ /NDF: 22.7/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -29.849+/-3.023  $\chi^2$ /NDF: 21.2/5

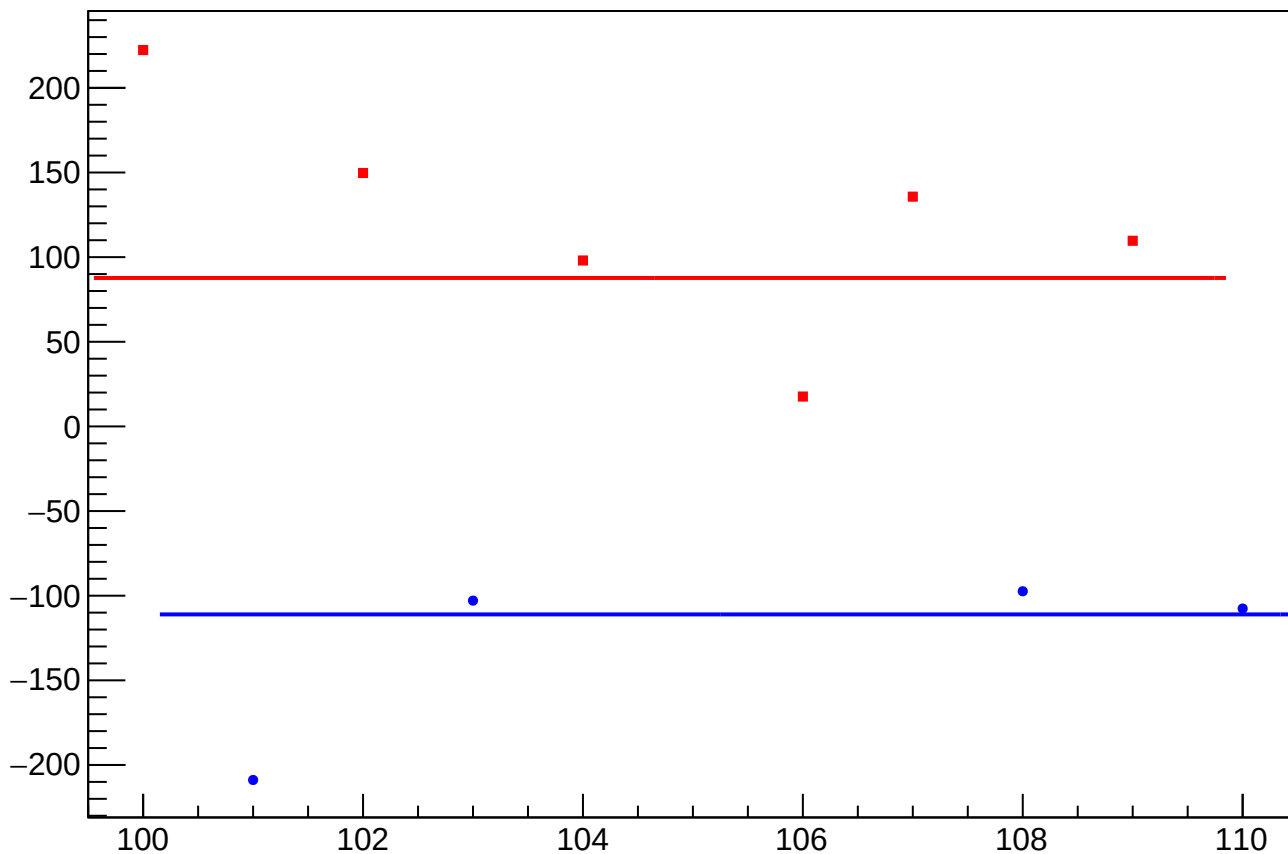
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

34.166+/-3.687  $\chi^2$ /NDF: 22.7/3

-4.117+/-2.337  $\chi^2$ /NDF: 224.2/9

-29.849+/-3.023  $\chi^2$ /NDF: 21.2/5

reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -111.048+/-0.140  $\chi^2/\text{NDF}$ : 45917.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 87.703+/-0.113  $\chi^2/\text{NDF}$ : 189420.5/5

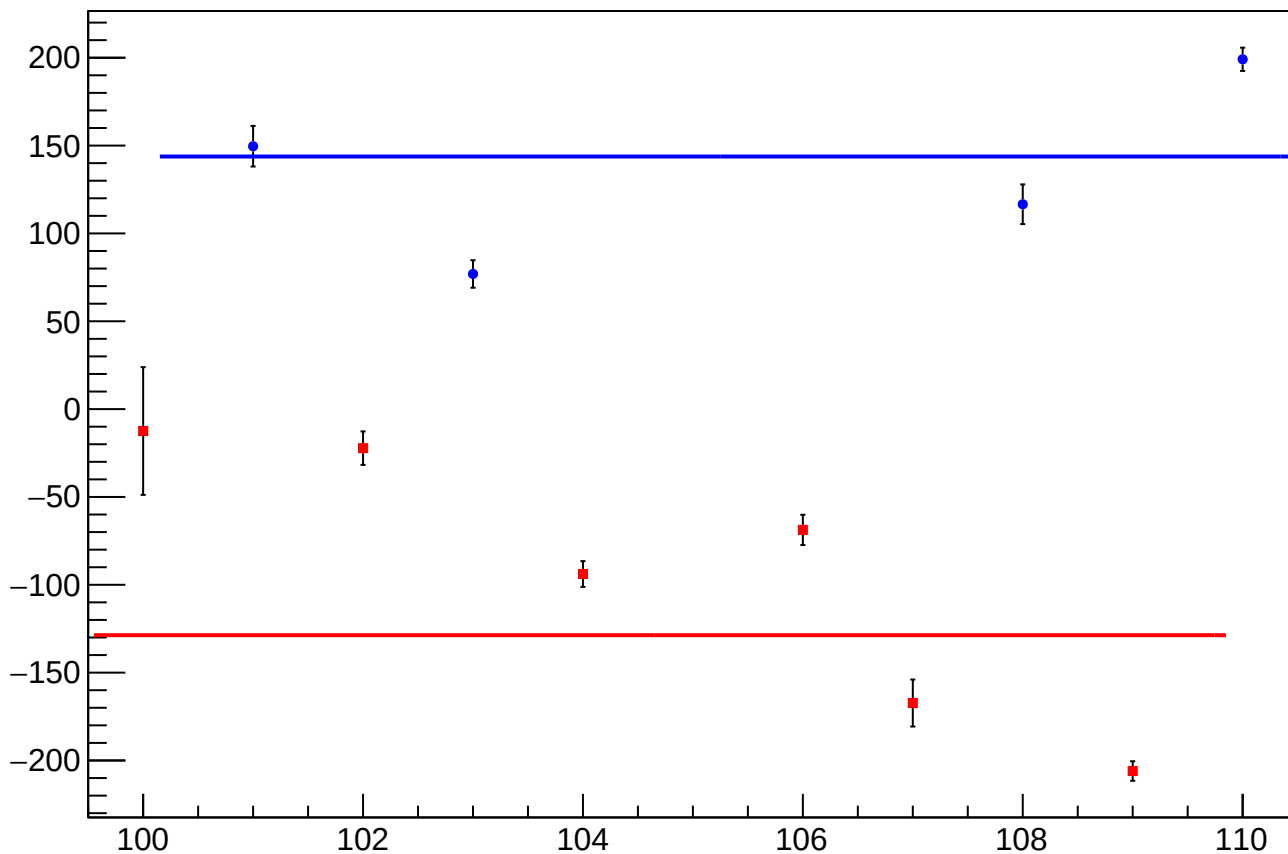
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-111.048+/-0.140  $\chi^2/\text{NDF}$ : 45917.1/3

9.282+/-0.088  $\chi^2/\text{NDF}$ : 1460503.7/9

87.703+/-0.113  $\chi^2/\text{NDF}$ : 189420.5/5

reg\_asym\_atr1l2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 143.779+/-4.286  $\chi^2/\text{NDF}$ : 148.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -128.688+/-3.498  $\chi^2/\text{NDF}$ : 407.3/5

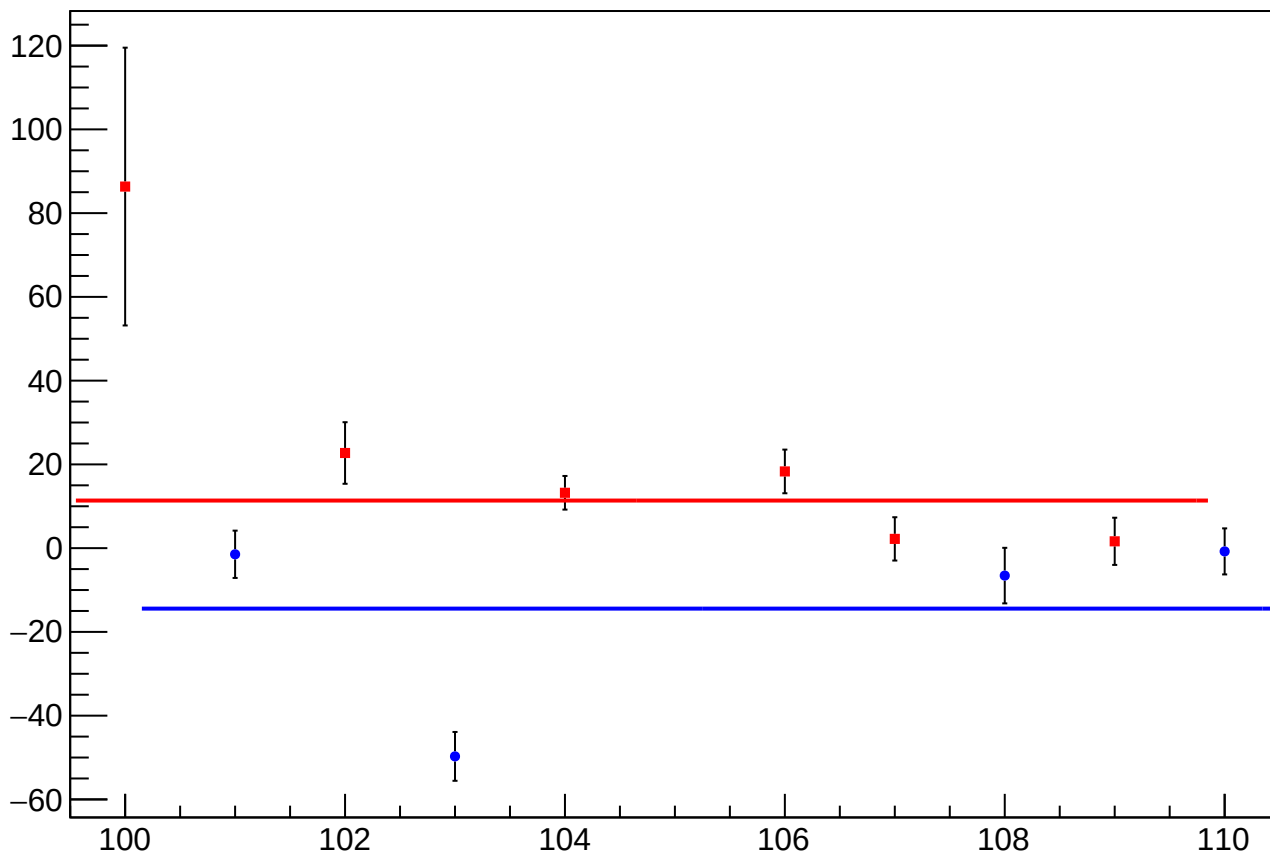
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

143.779+/-4.286  $\chi^2/\text{NDF}$ : 148.7/3

-19.765+/-2.710  $\chi^2/\text{NDF}$ : 2981.6/9

-128.688+/-3.498  $\chi^2/\text{NDF}$ : 407.3/5

reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -14.438+/-2.929  $\chi^2/\text{NDF}$ : 49.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.367+/-2.312  $\chi^2/\text{NDF}$ : 15.6/5

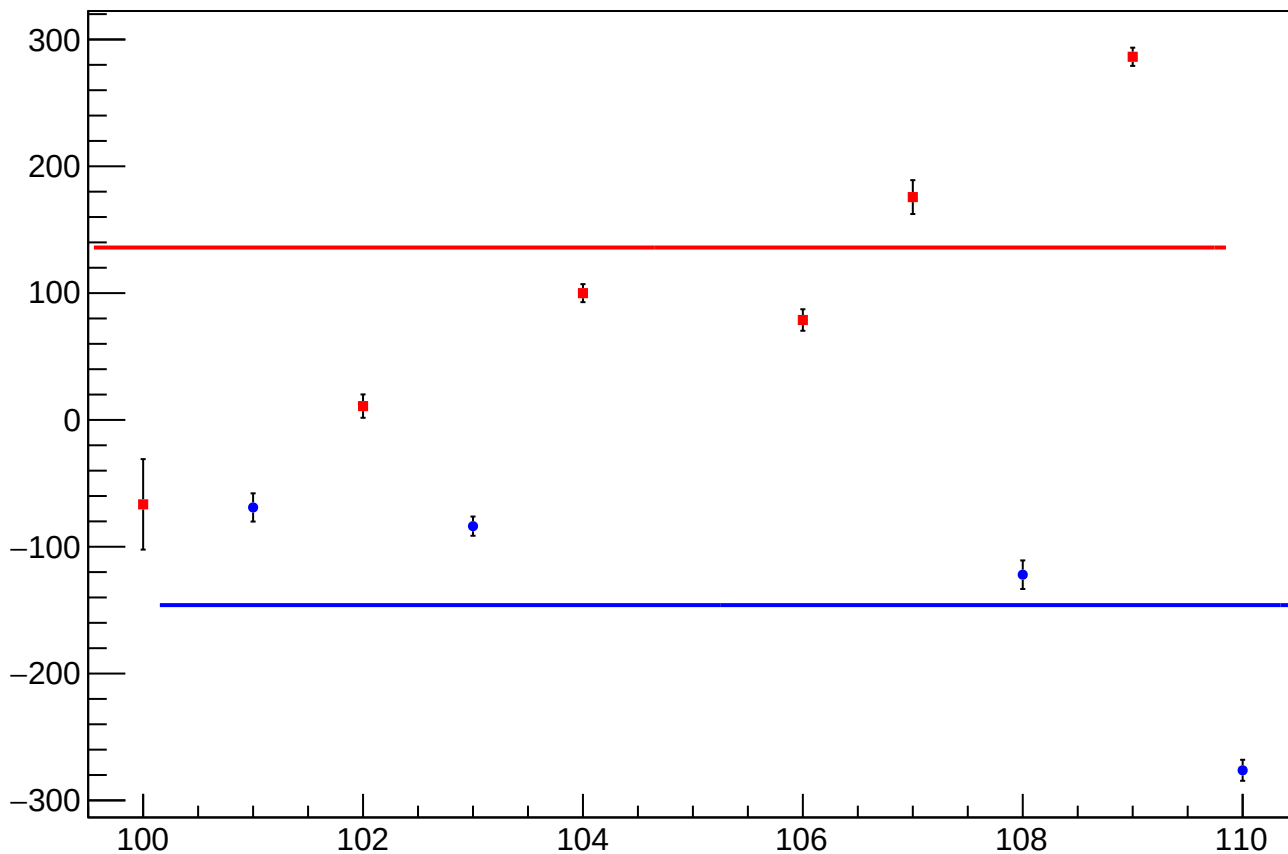
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-14.438+/-2.929  $\chi^2/\text{NDF}$ : 49.5/3

1.461+/-1.815  $\chi^2/\text{NDF}$ : 112.9/9

11.367+/-2.312  $\chi^2/\text{NDF}$ : 15.6/5

reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -146.033+/-4.566  $\chi^2/\text{NDF}$ : 367.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 135.957+/-3.745  $\chi^2/\text{NDF}$ : 735.2/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

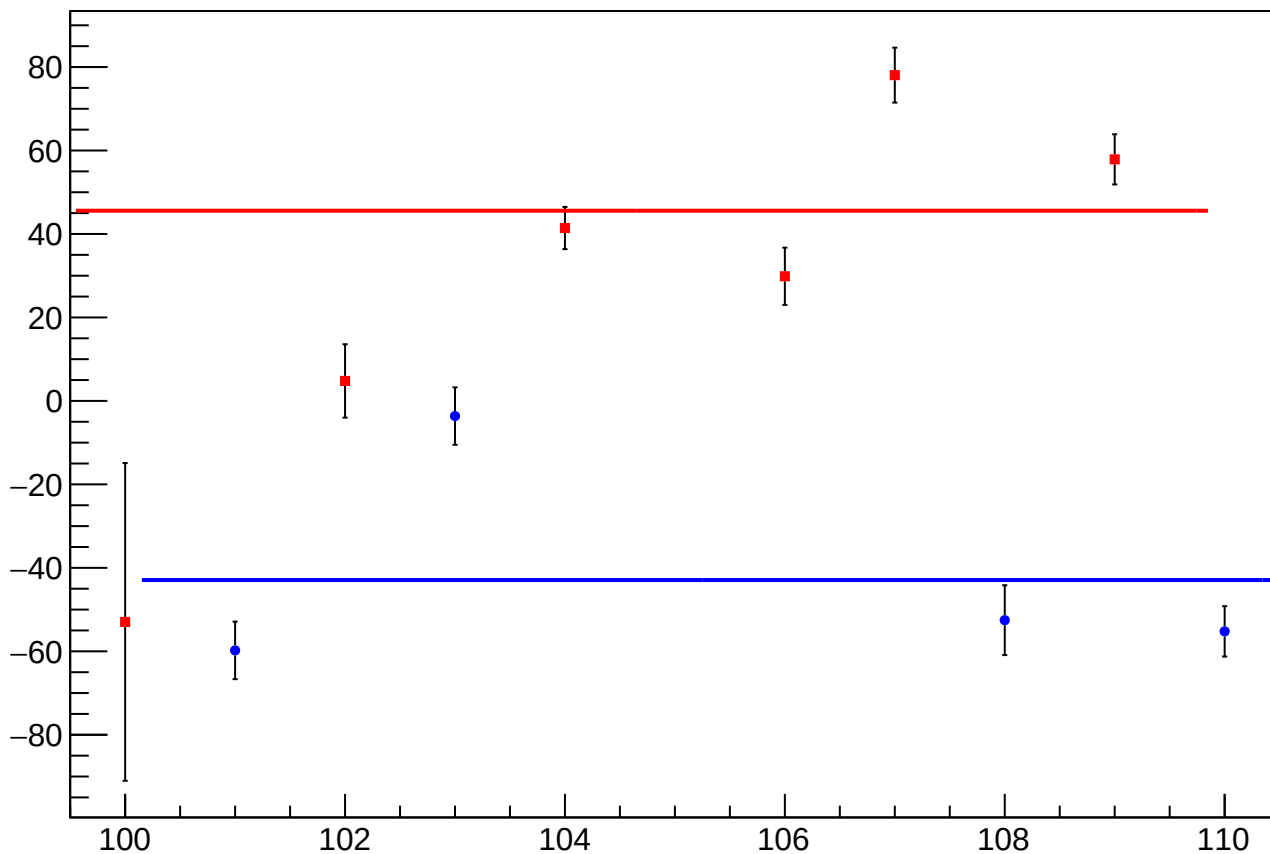
-146.033+/-4.566  $\chi^2/\text{NDF}$ : 367.1/3

22.559+/-2.895  $\chi^2/\text{NDF}$ : 3382.6/9

135.957+/-3.745  $\chi^2/\text{NDF}$ : 735.2/5



reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -42.926 $\pm$ 3.454  $\chi^2$ /NDF: 44.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 45.576 $\pm$ 2.833  $\chi^2$ /NDF: 62.7/5

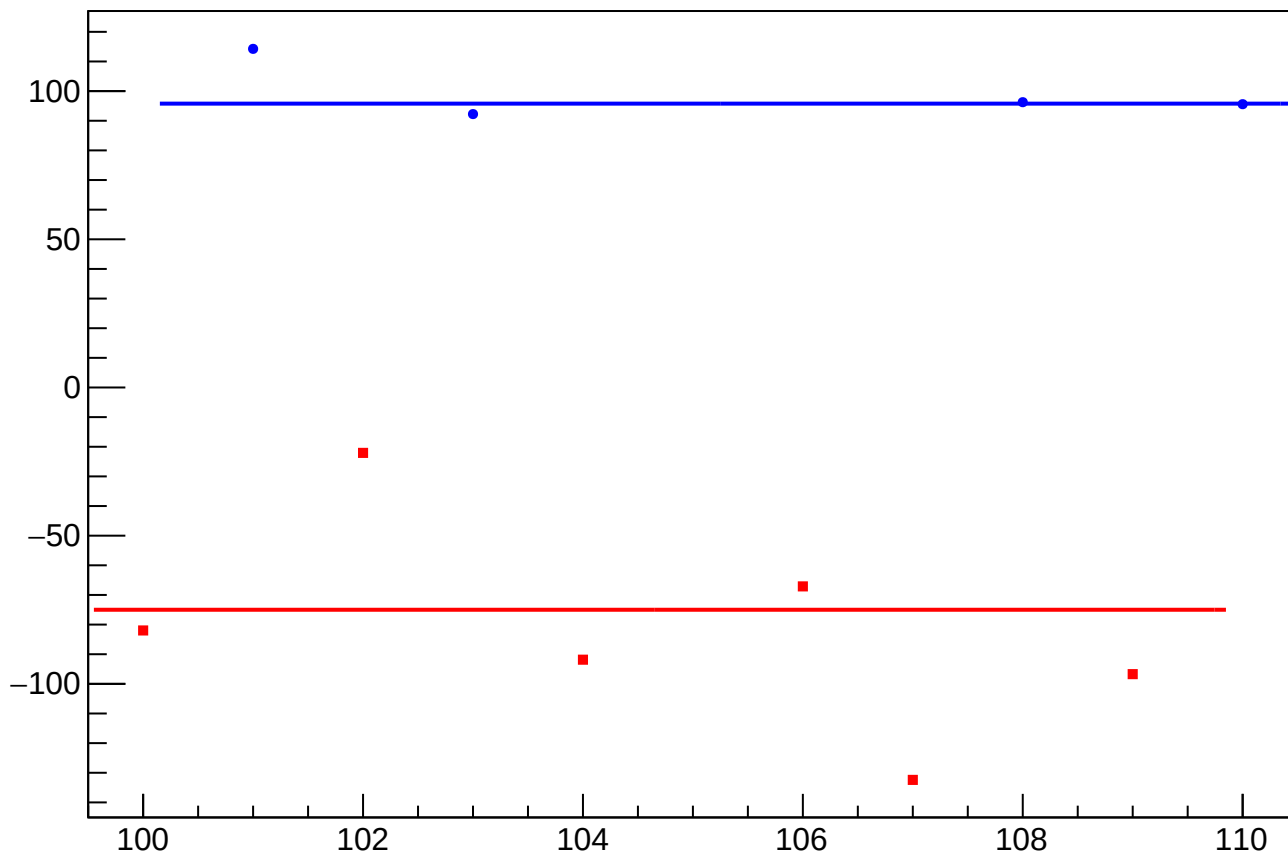
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-42.926 $\pm$ 3.454  $\chi^2$ /NDF: 44.0/3

9.982 $\pm$ 2.190  $\chi^2$ /NDF: 499.3/9

45.576 $\pm$ 2.833  $\chi^2$ /NDF: 62.7/5

reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 95.776+/-0.127  $\chi^2/\text{NDF}$ : 2576.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -74.997+/-0.102  $\chi^2/\text{NDF}$ : 111898.9/5

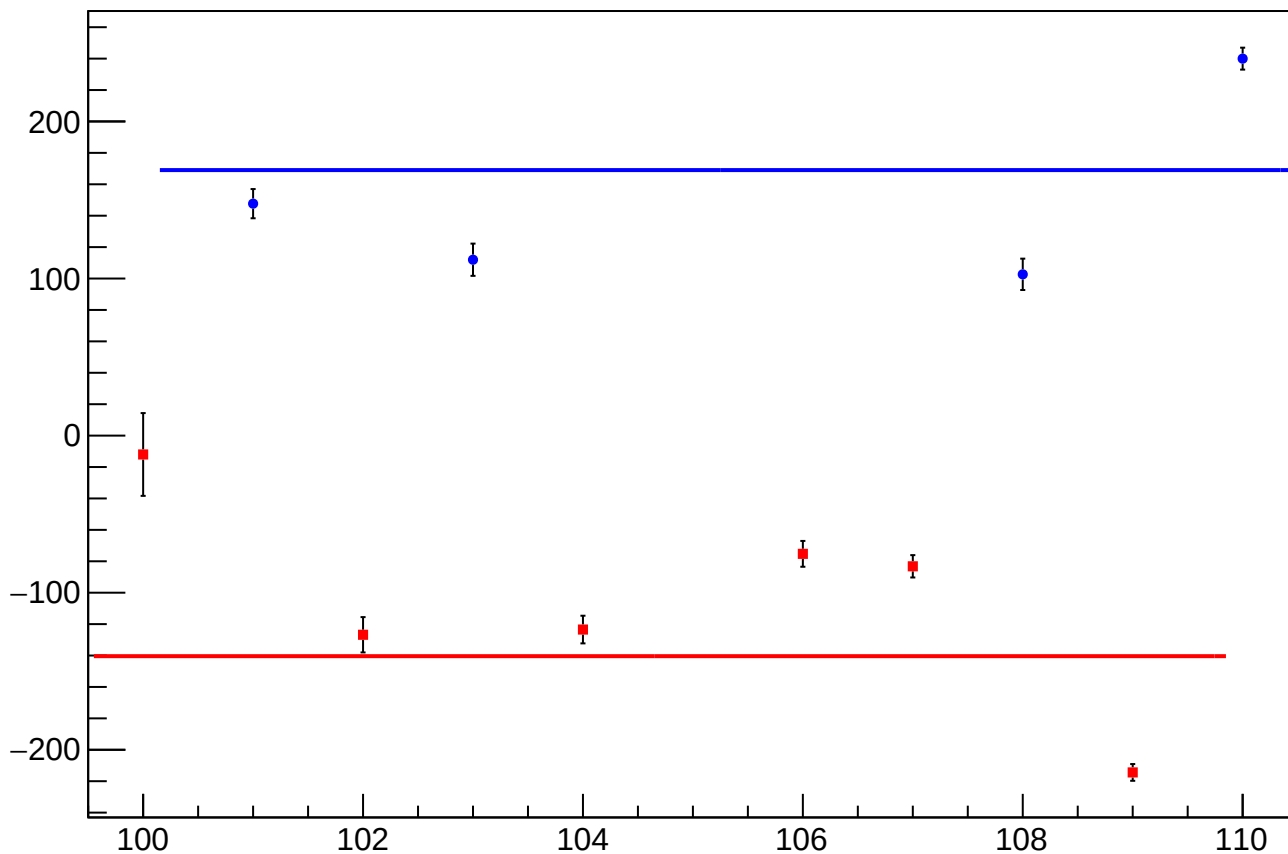
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

95.776+/-0.127  $\chi^2/\text{NDF}$ : 2576.2/3

-8.399+/-0.079  $\chi^2/\text{NDF}$ : 1217947.7/9

-74.997+/-0.102  $\chi^2/\text{NDF}$ : 111898.9/5

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 169.034+/-4.402  $\chi^2/\text{NDF}$ : 183.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -140.406+/-3.297  $\chi^2/\text{NDF}$ : 349.2/5

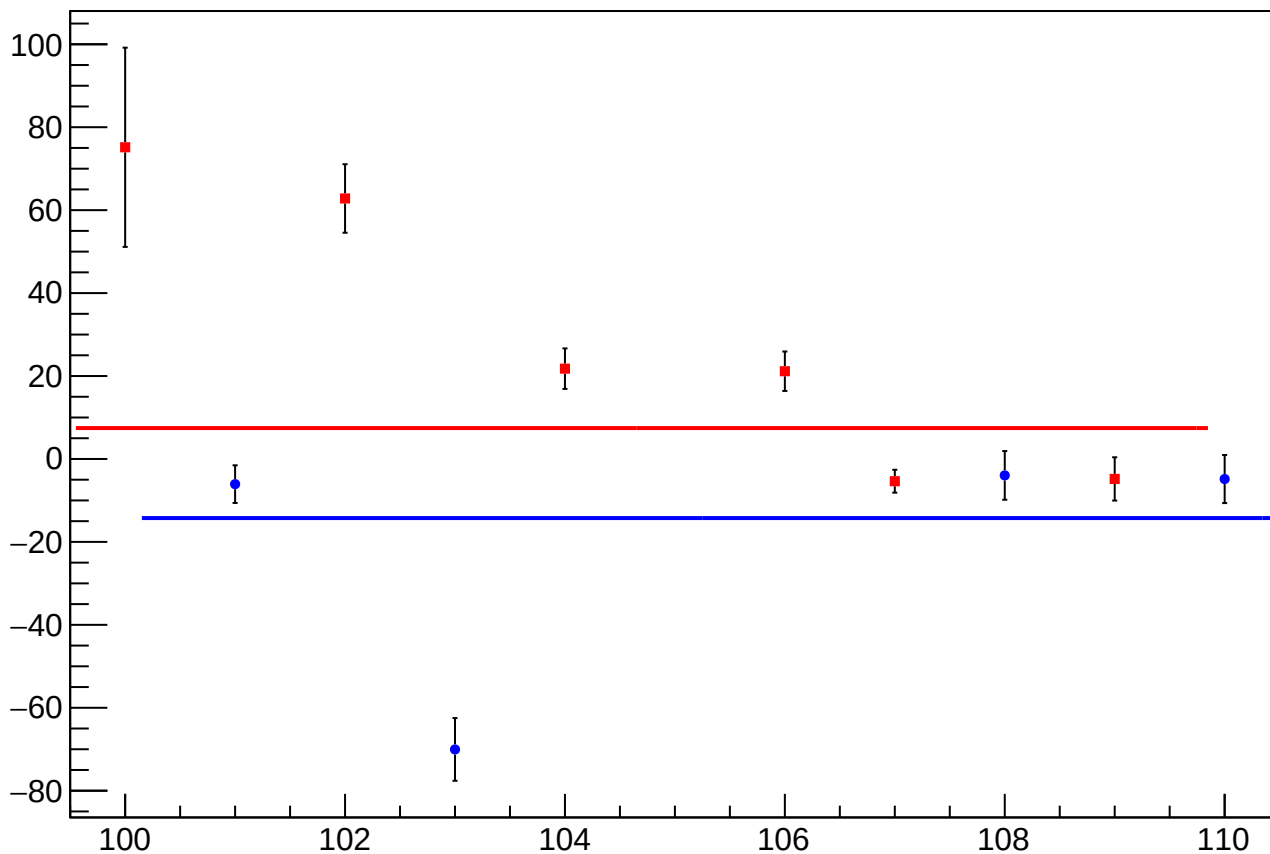
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

169.034+/-4.402  $\chi^2/\text{NDF}$ : 183.6/3

-29.217+/-2.639  $\chi^2/\text{NDF}$ : 3698.7/9

-140.406+/-3.297  $\chi^2/\text{NDF}$ : 349.2/5

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -14.250 $\pm$ 2.831  $\chi^2$ /NDF: 63.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.449 $\pm$ 1.922  $\chi^2$ /NDF: 96.9/5

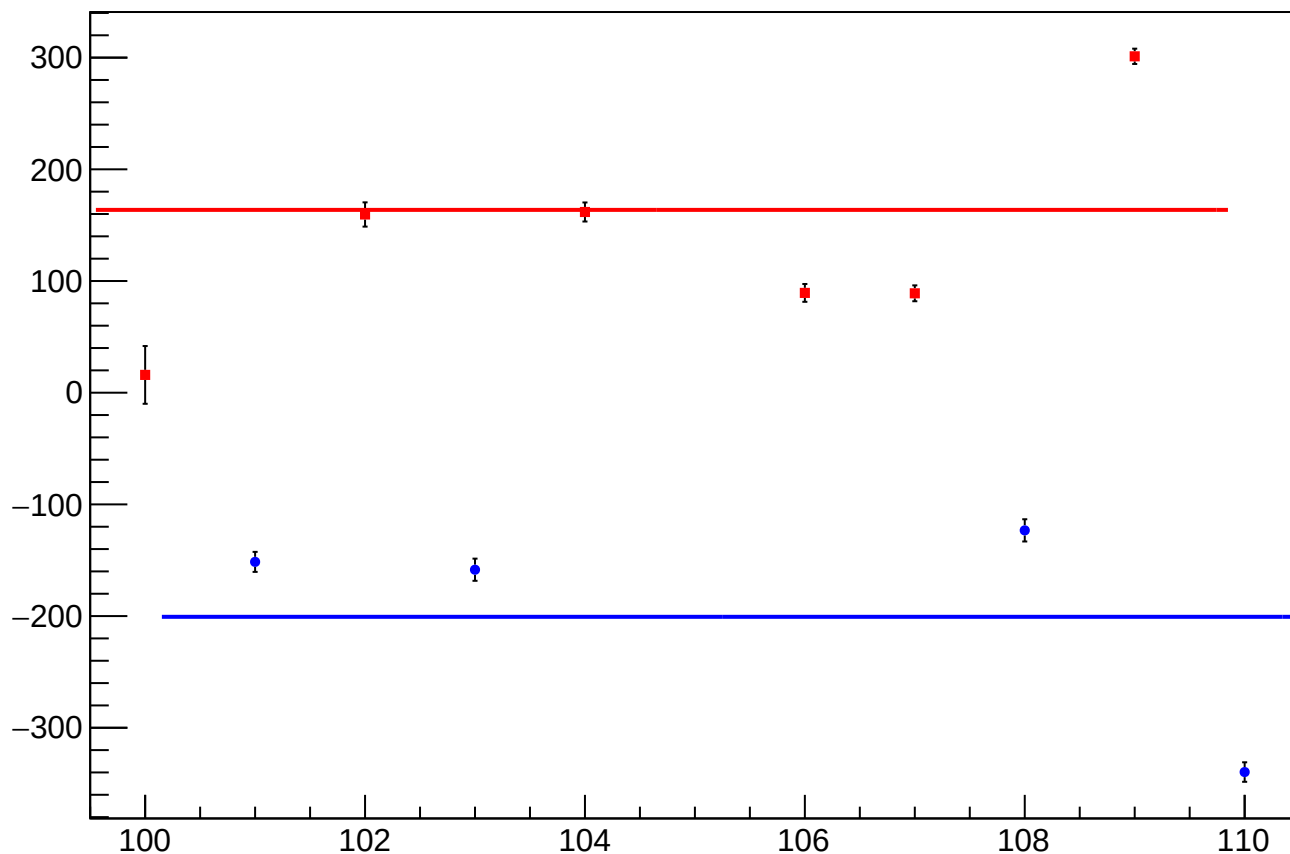
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-14.250 $\pm$ 2.831  $\chi^2$ /NDF: 63.4/3

0.604 $\pm$ 1.590  $\chi^2$ /NDF: 200.5/9

7.449 $\pm$ 1.922  $\chi^2$ /NDF: 96.9/5

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-200.660 \pm 4.672$   $\chi^2/\text{NDF}$ : 361.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $163.679 \pm 3.523$   $\chi^2/\text{NDF}$ : 633.2/5

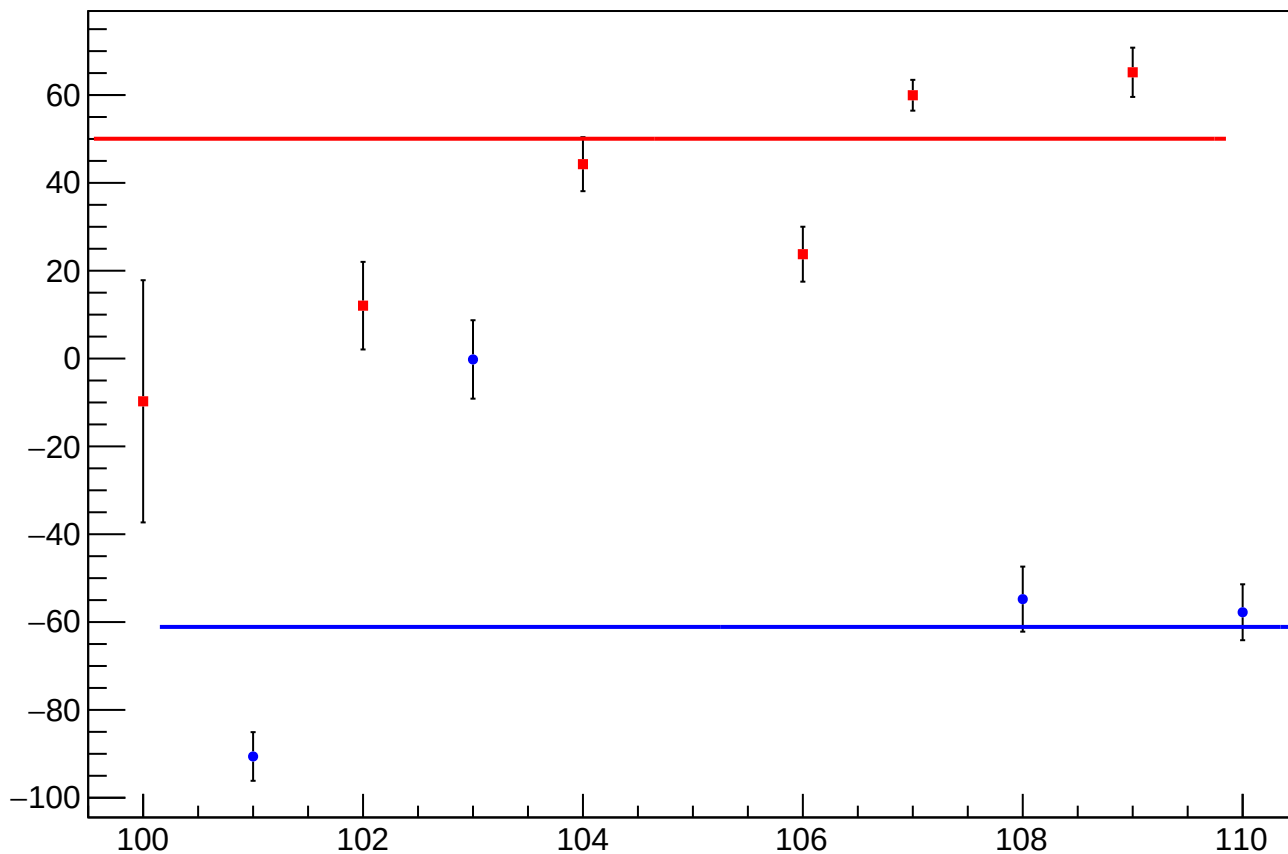
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-200.660 \pm 4.672$   $\chi^2/\text{NDF}$ : 361.9/3

$31.627 \pm 2.813$   $\chi^2/\text{NDF}$ : 4872.4/9

$163.679 \pm 3.523$   $\chi^2/\text{NDF}$ : 633.2/5

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-61.104 \pm 3.370$   $\chi^2/\text{NDF}: 75.9/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $50.050 \pm 2.380$   $\chi^2/\text{NDF}: 53.0/5$

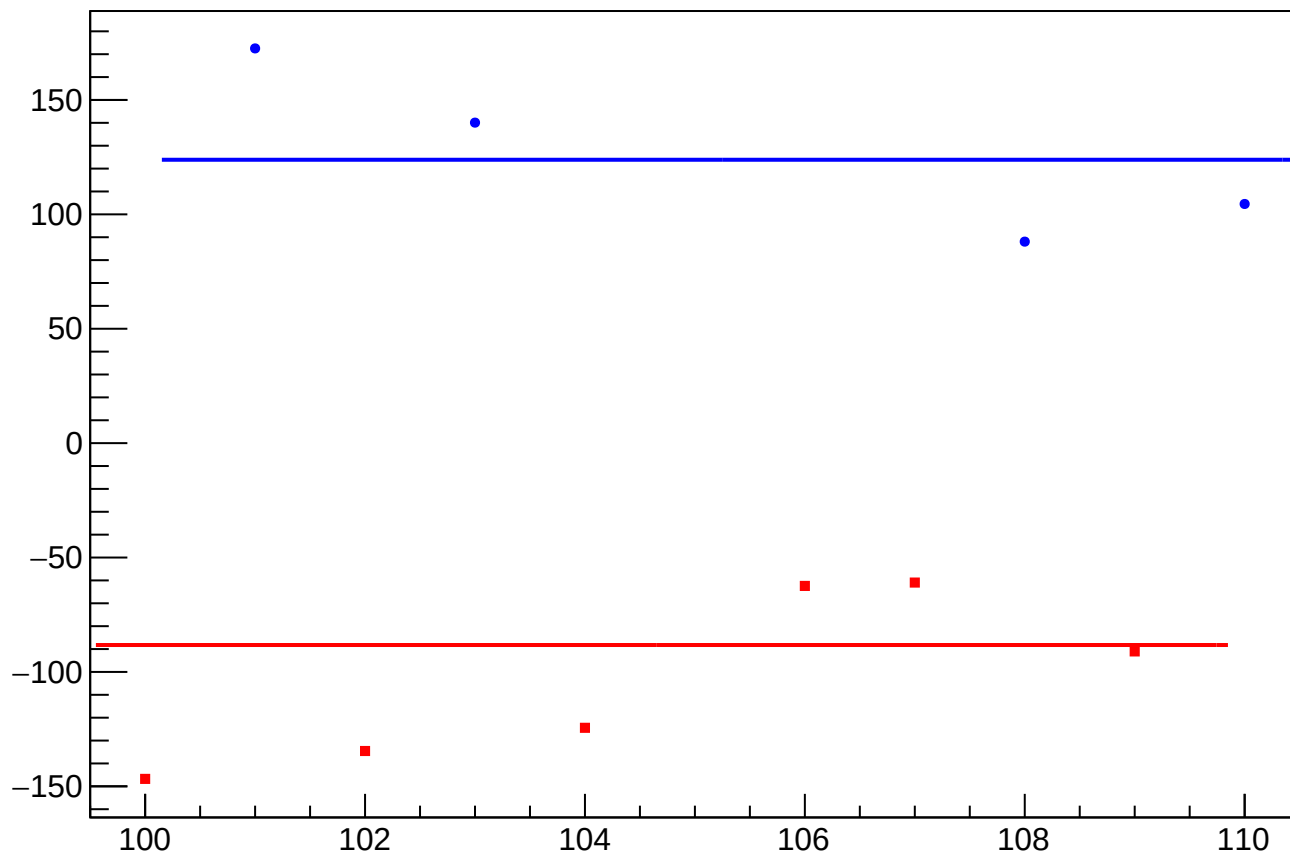
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-61.104 \pm 3.370$   $\chi^2/\text{NDF}: 75.9/3$

$13.057 \pm 1.944$   $\chi^2/\text{NDF}: 854.5/9$

$50.050 \pm 2.380$   $\chi^2/\text{NDF}: 53.0/5$

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 123.864 $\pm$ 0.135  $\chi^2$ /NDF: 54991.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -88.234 $\pm$ 0.096  $\chi^2$ /NDF: 108622.9/5

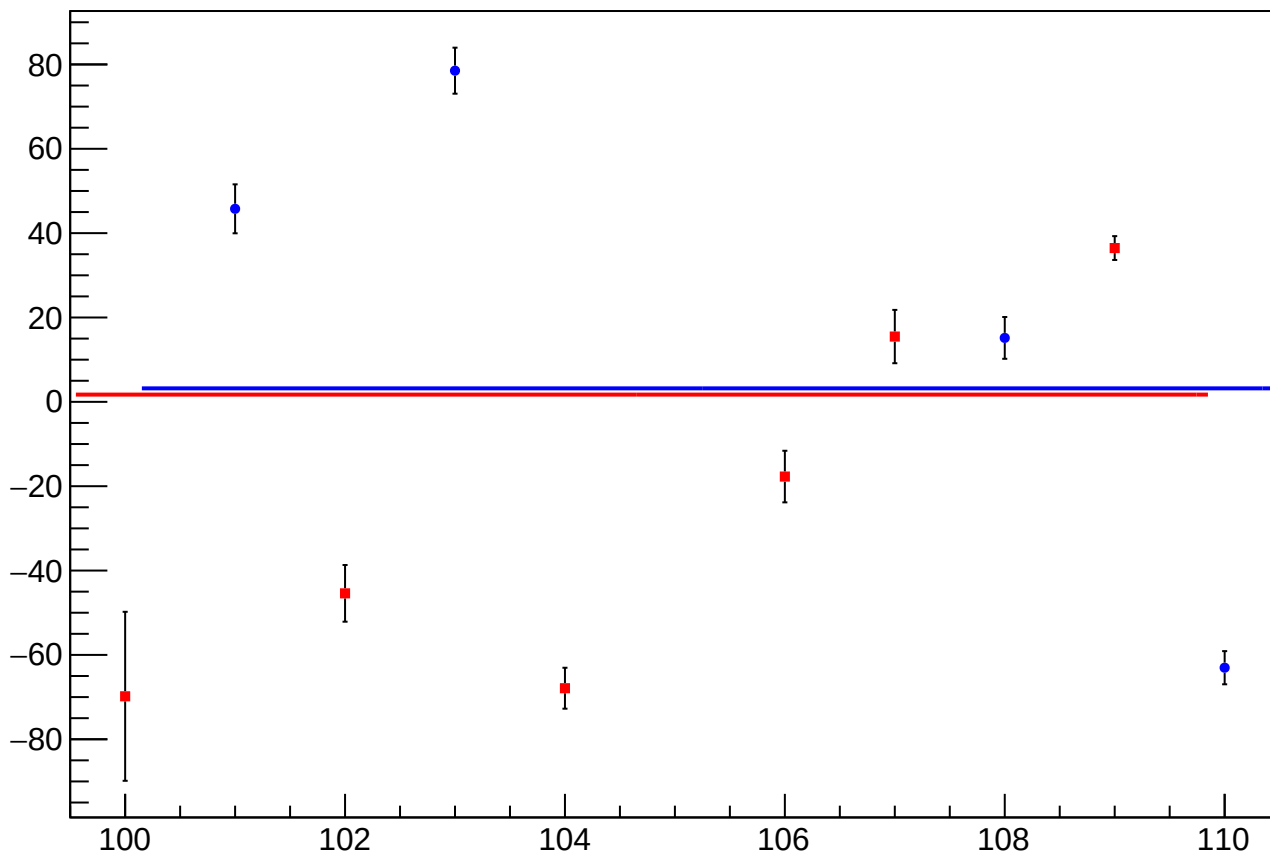
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

123.864 $\pm$ 0.135  $\chi^2$ /NDF: 54991.2/3

-17.613 $\pm$ 0.078  $\chi^2$ /NDF: 1802697.5/9

-88.234 $\pm$ 0.096  $\chi^2$ /NDF: 108622.9/5

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 3.198+/-2.435  $\chi^2/\text{NDF}$ : 533.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.721+/-2.024  $\chi^2/\text{NDF}$ : 433.8/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

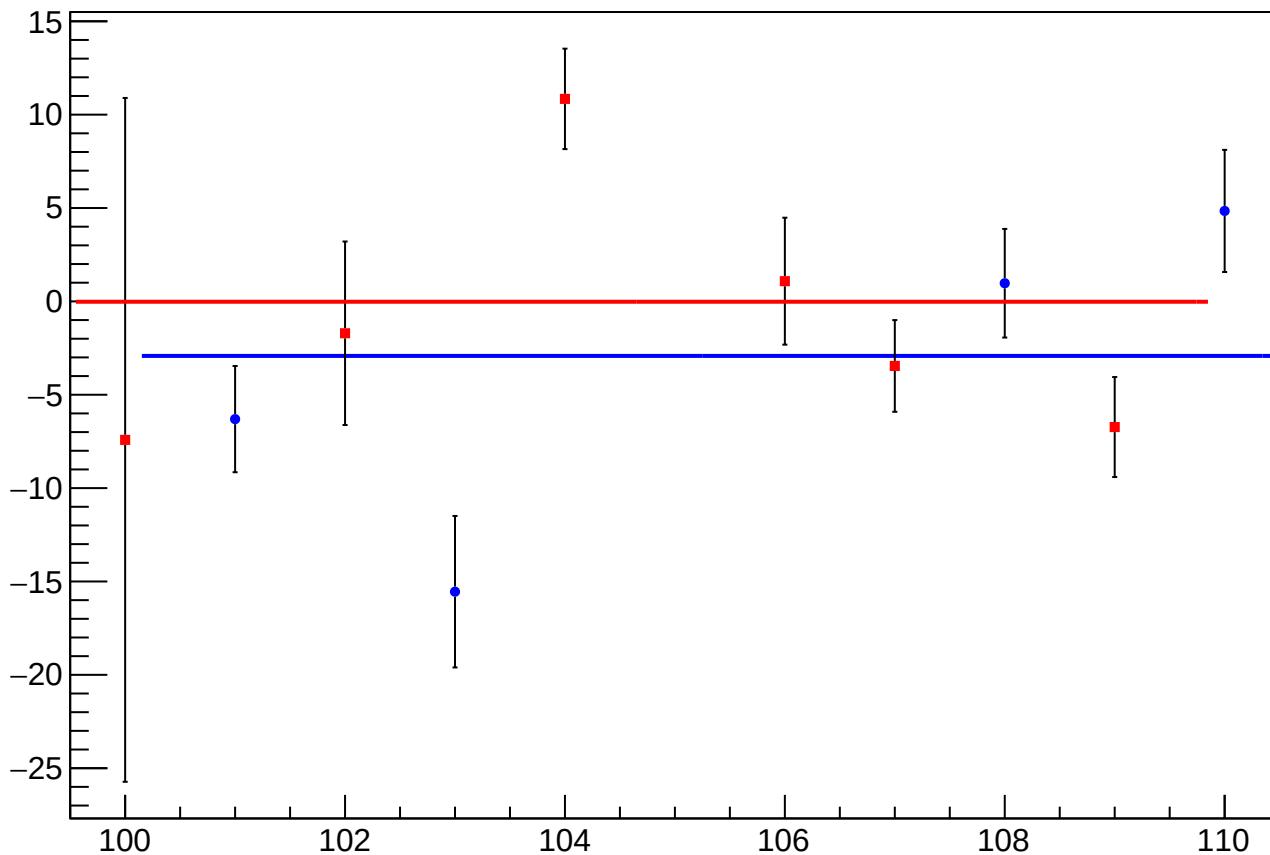
3.198+/-2.435  $\chi^2/\text{NDF}$ : 533.9/3

2.325+/-1.556  $\chi^2/\text{NDF}$ : 967.9/9

1.721+/-2.024  $\chi^2/\text{NDF}$ : 433.8/5



reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -2.920+/-1.589  $\chi^2/\text{NDF}$ : 18.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.019+/-1.319  $\chi^2/\text{NDF}$ : 25.0/5

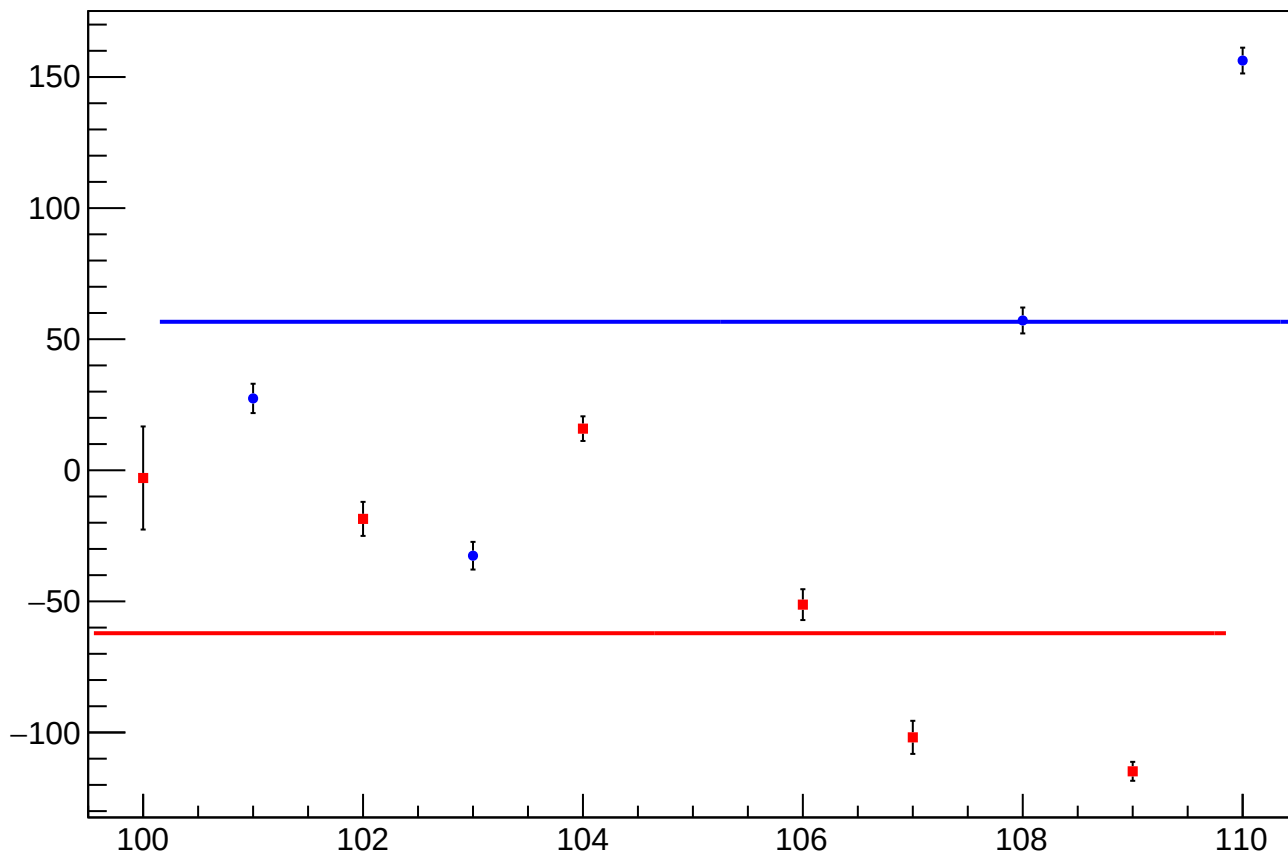
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.920+/-1.589  $\chi^2/\text{NDF}$ : 18.5/3

-1.203+/-1.015  $\chi^2/\text{NDF}$ : 45.5/9

-0.019+/-1.319  $\chi^2/\text{NDF}$ : 25.0/5

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 56.643+/-2.580  $\chi^2$ /NDF: 723.8/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -62.144+/-2.223  $\chi^2$ /NDF: 585.8/5

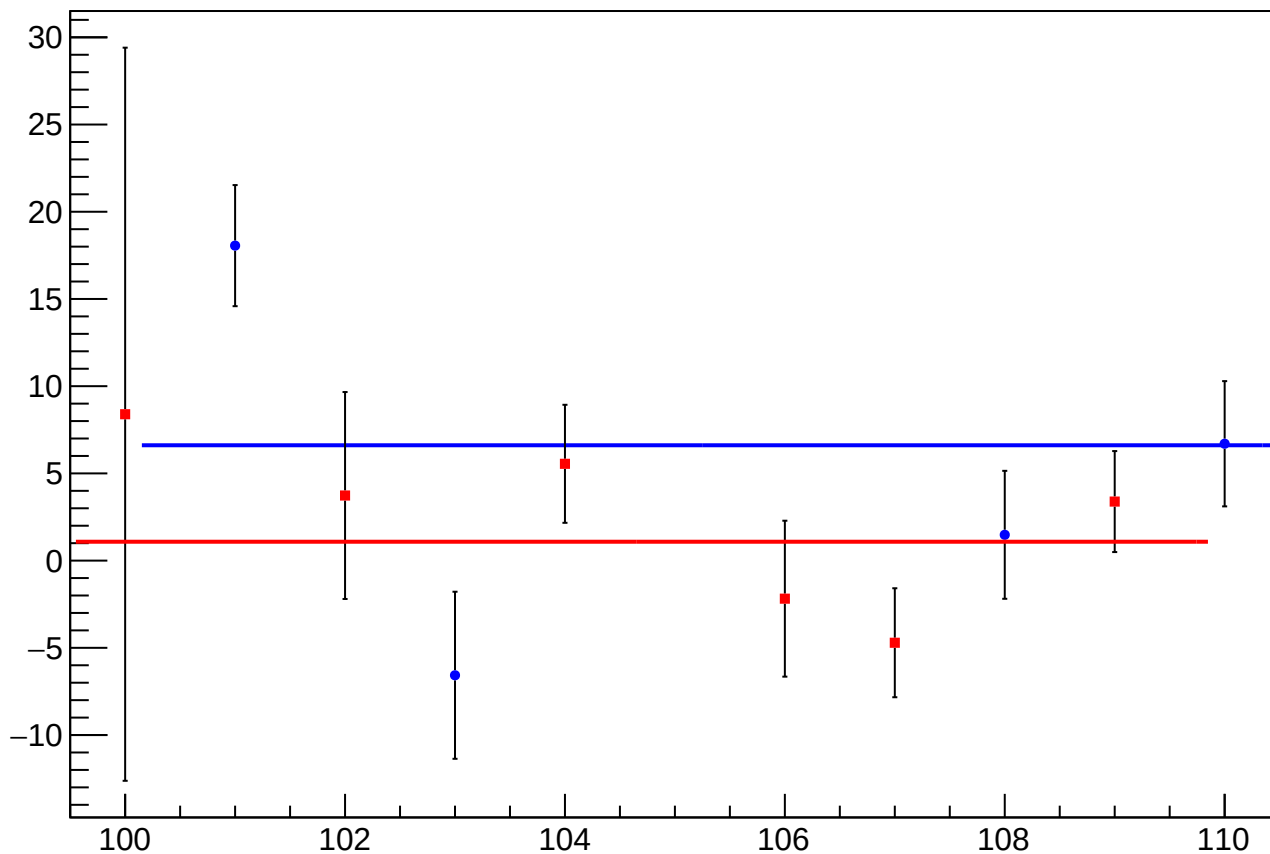
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

56.643+/-2.580  $\chi^2$ /NDF: 723.8/3

-11.528+/-1.684  $\chi^2$ /NDF: 2526.0/9

-62.144+/-2.223  $\chi^2$ /NDF: 585.8/5

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 6.613+/-1.895  $\chi^2/\text{NDF}$ : 20.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.083+/-1.602  $\chi^2/\text{NDF}$ : 6.7/5

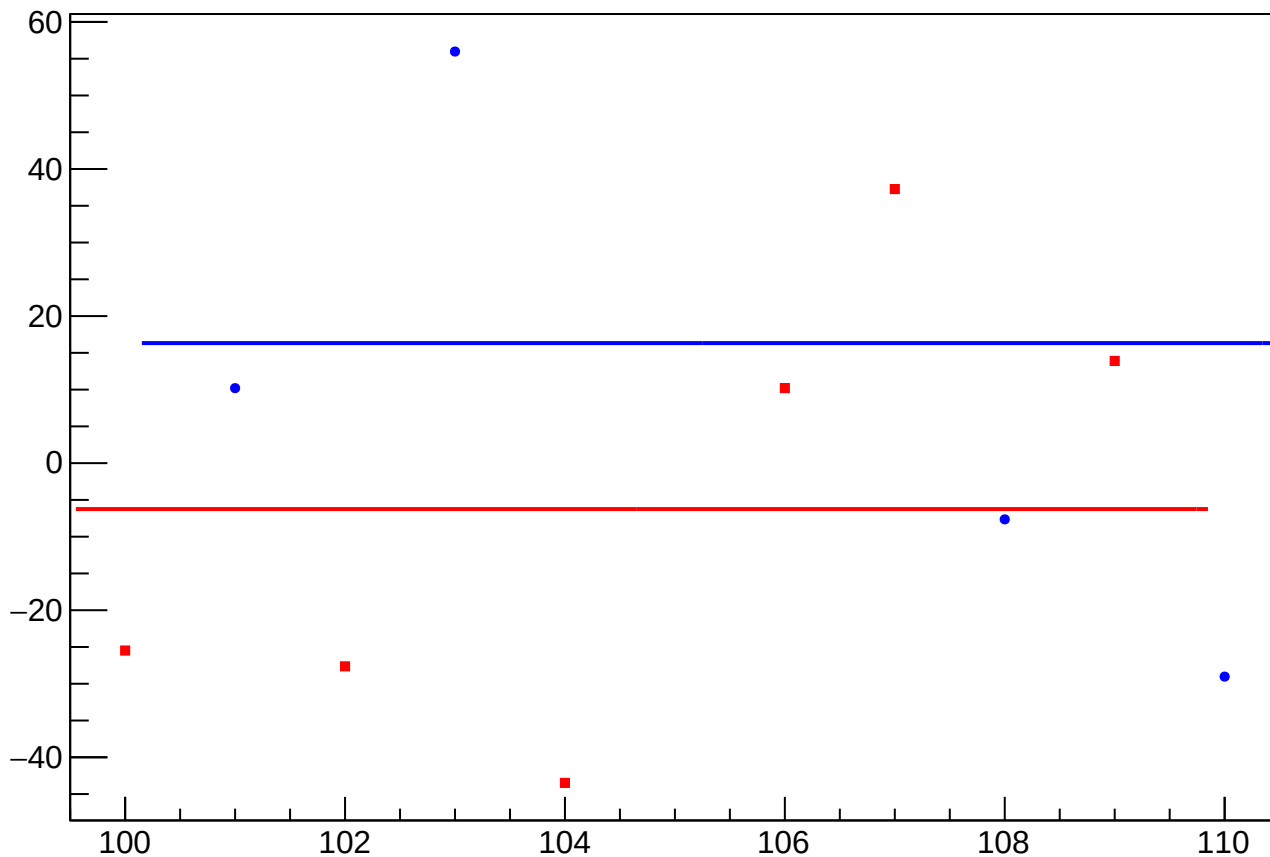
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.613+/-1.895  $\chi^2/\text{NDF}$ : 20.4/3

3.387+/-1.223  $\chi^2/\text{NDF}$ : 32.0/9

1.083+/-1.602  $\chi^2/\text{NDF}$ : 6.7/5

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 16.325+/-0.072  $\chi^2/\text{NDF}$ : 193950.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.245+/-0.064  $\chi^2/\text{NDF}$ : 235940.4/5

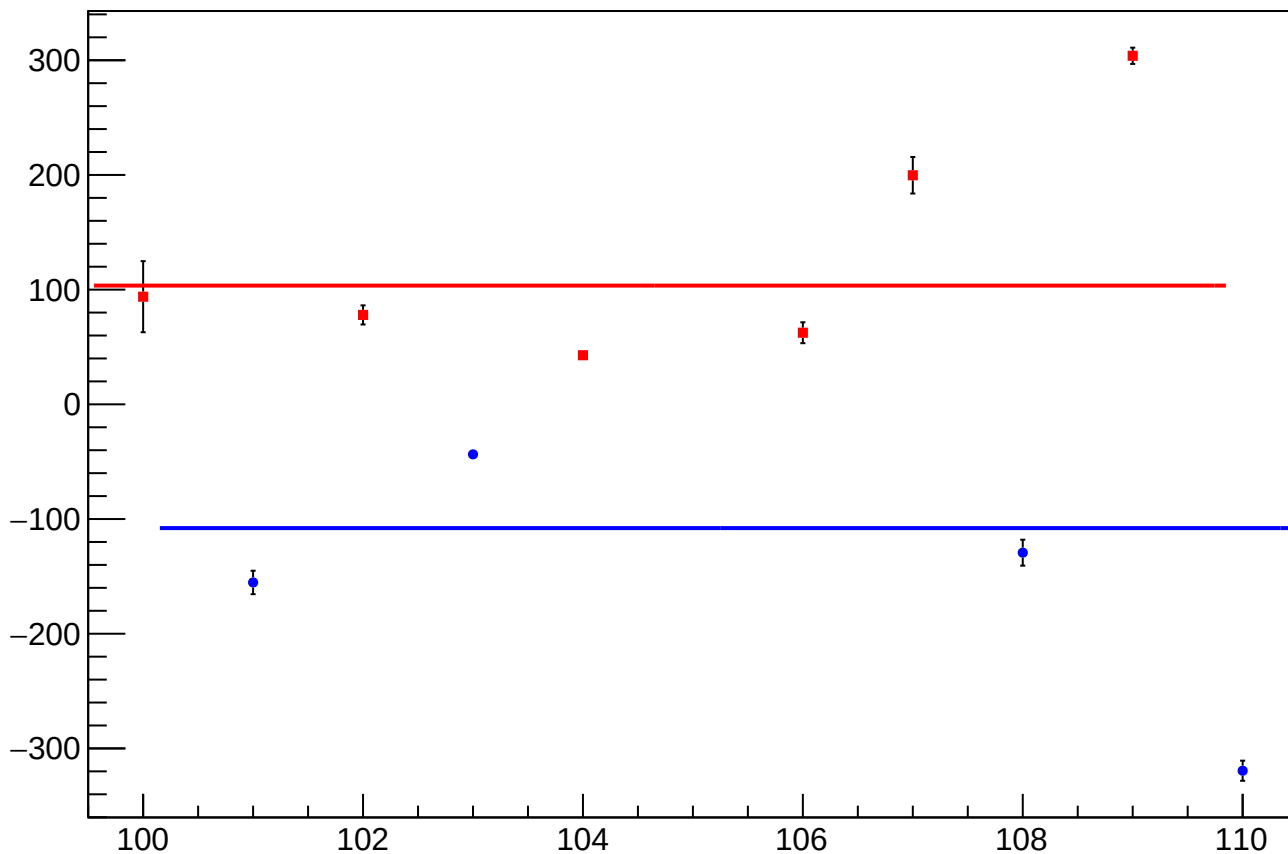
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

16.325+/-0.072  $\chi^2/\text{NDF}$ : 193950.1/3

3.685+/-0.048  $\chi^2/\text{NDF}$ : 484759.6/9

-6.245+/-0.064  $\chi^2/\text{NDF}$ : 235940.4/5

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -107.908+/-3.478  $\chi^2$ /NDF: 821.6/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 103.534+/-3.029  $\chi^2$ /NDF: 1078.7/5

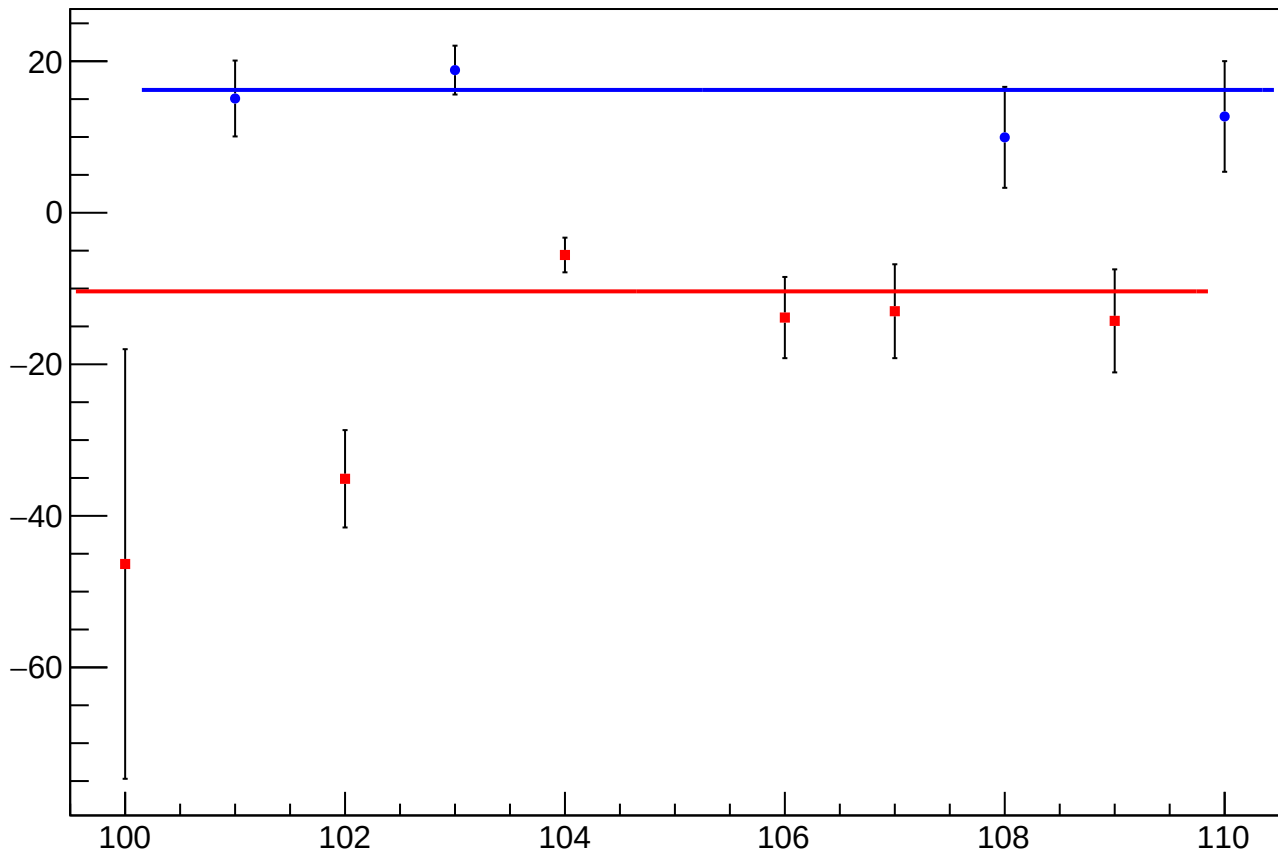
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-107.908+/-3.478  $\chi^2$ /NDF: 821.6/3

12.313+/-2.284  $\chi^2$ /NDF: 4002.1/9

103.534+/-3.029  $\chi^2$ /NDF: 1078.7/5

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 16.211+/-2.374  $\chi^2/\text{NDF}$ : 1.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.374+/-1.829  $\chi^2/\text{NDF}$ : 21.8/5

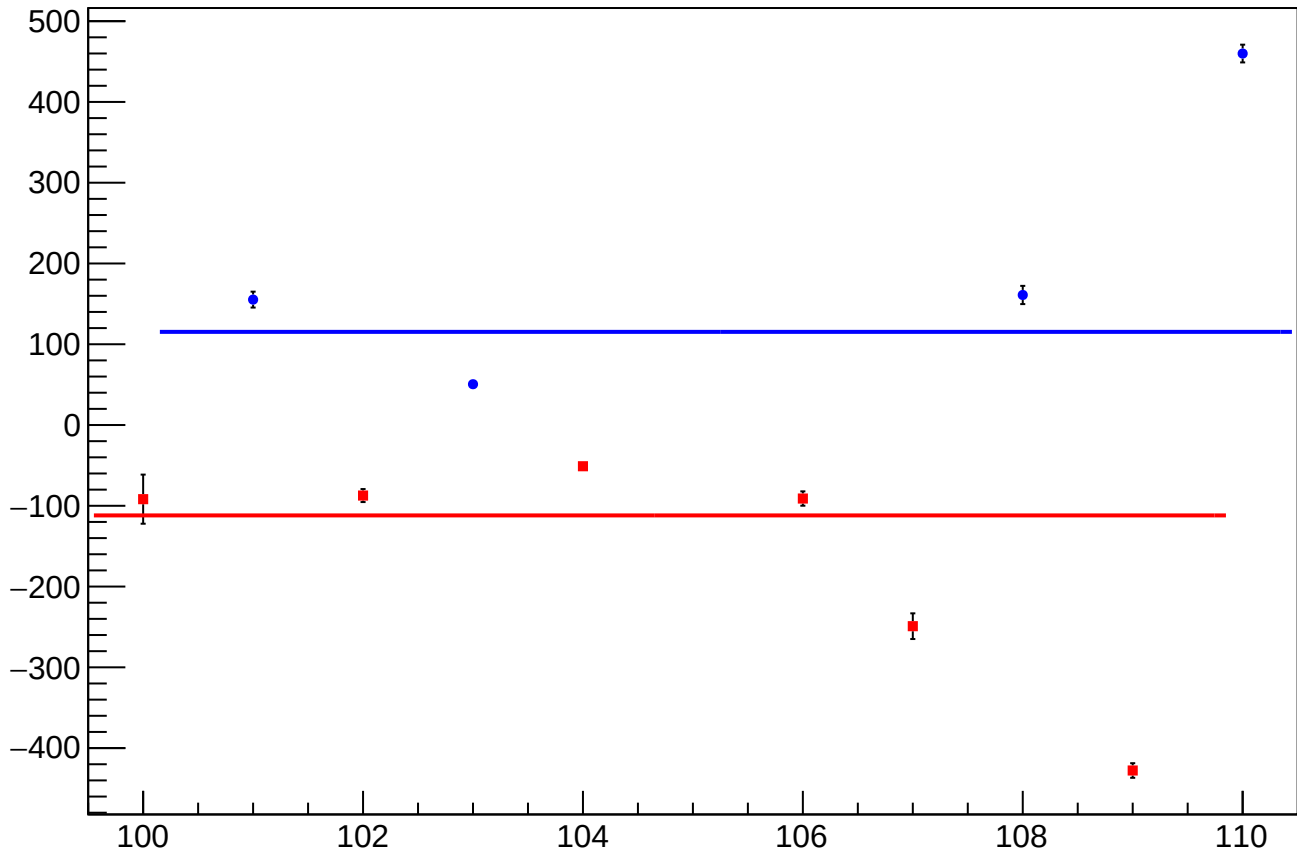
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

16.211+/-2.374  $\chi^2/\text{NDF}$ : 1.8/3

-0.474+/-1.449  $\chi^2/\text{NDF}$ : 102.3/9

-10.374+/-1.829  $\chi^2/\text{NDF}$ : 21.8/5

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 115.333+/-3.484  $\chi^2$ /NDF: 1251.8/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -111.916+/-3.060  $\chi^2$ /NDF: 1537.6/5

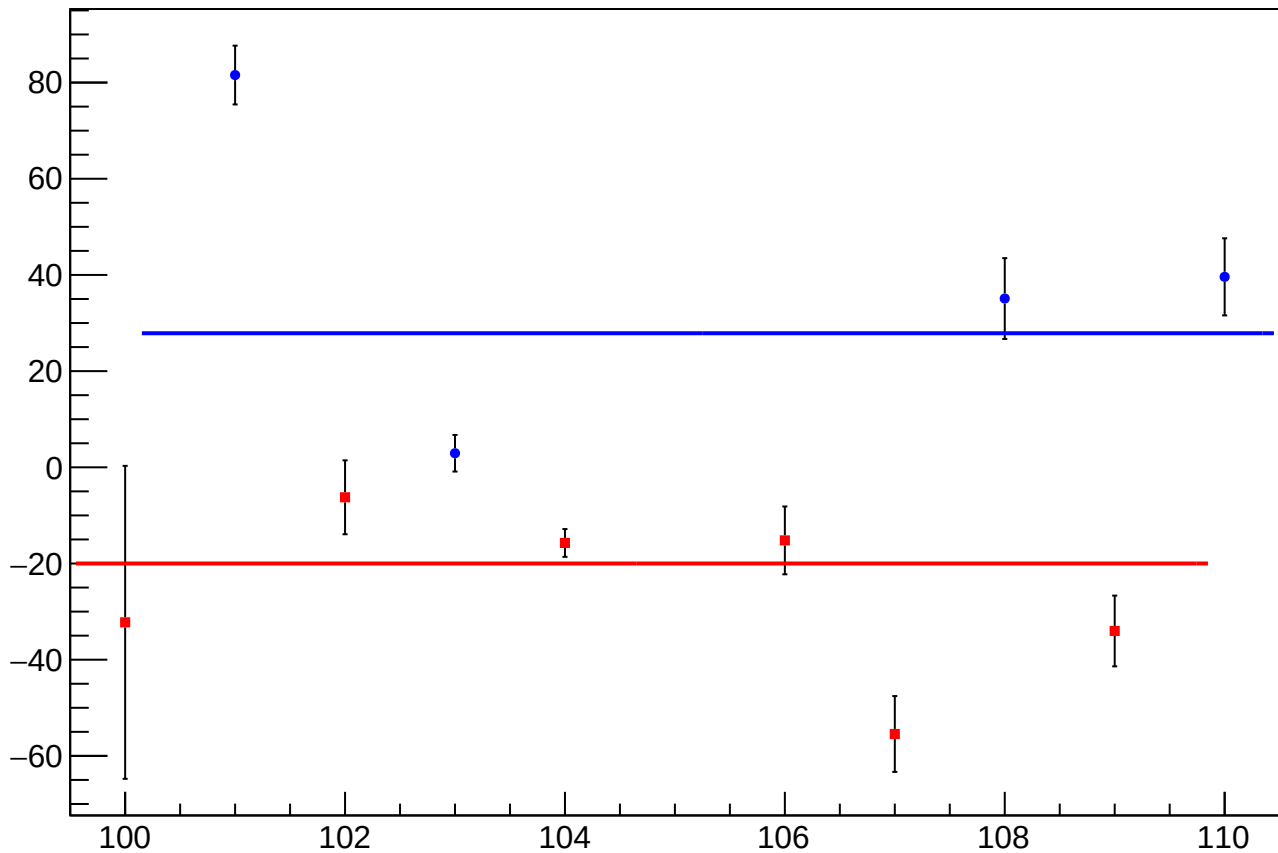
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

115.333+/-3.484  $\chi^2$ /NDF: 1251.8/3

-12.941+/-2.299  $\chi^2$ /NDF: 5191.5/9

-111.916+/-3.060  $\chi^2$ /NDF: 1537.6/5

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 27.877+/-2.822  $\chi^2$ /NDF: 123.0/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -19.996+/-2.280  $\chi^2$ /NDF: 29.9/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

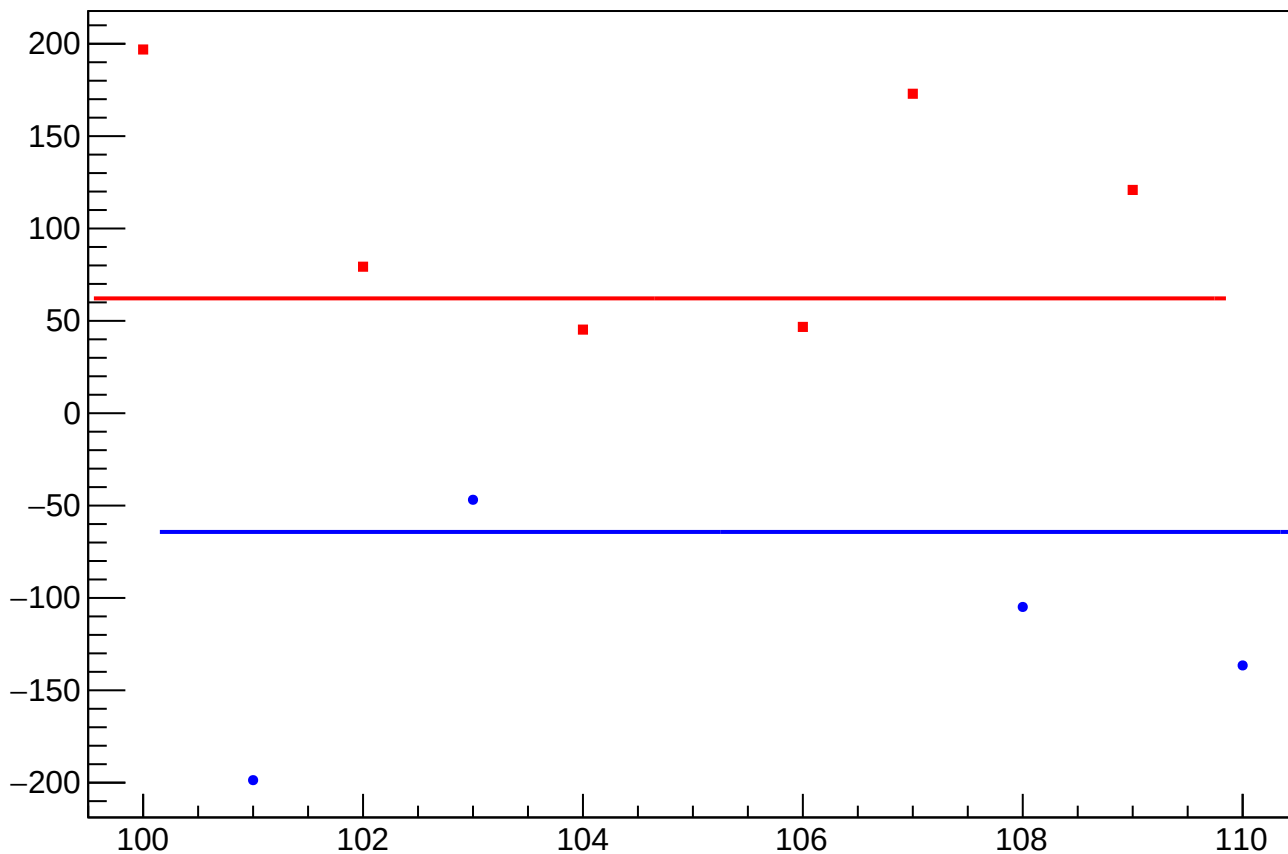
27.877+/-2.822  $\chi^2$ /NDF: 123.0/3

-1.088+/-1.774  $\chi^2$ /NDF: 327.0/9

-19.996+/-2.280  $\chi^2$ /NDF: 29.9/5



reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -64.266+/-0.085  $\chi^2/\text{NDF}$ : 220417.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 62.166+/-0.079  $\chi^2/\text{NDF}$ : 176322.4/5

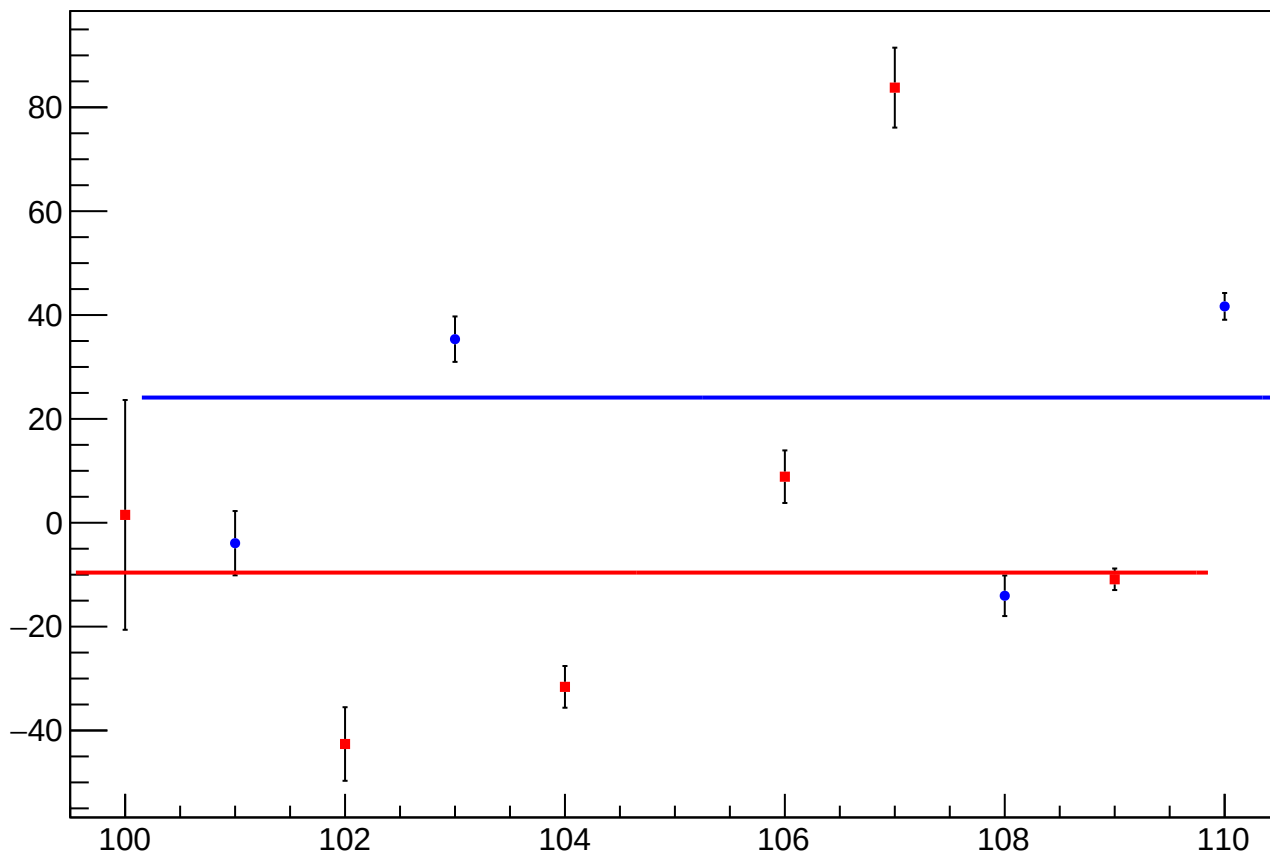
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-64.266+/-0.085  $\chi^2/\text{NDF}$ : 220417.9/3

3.647+/-0.058  $\chi^2/\text{NDF}$ : 1577039.3/9

62.166+/-0.079  $\chi^2/\text{NDF}$ : 176322.4/5

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 24.111+/-1.843  $\chi^2/\text{NDF}$ : 169.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.596+/-1.639  $\chi^2/\text{NDF}$ : 212.9/5

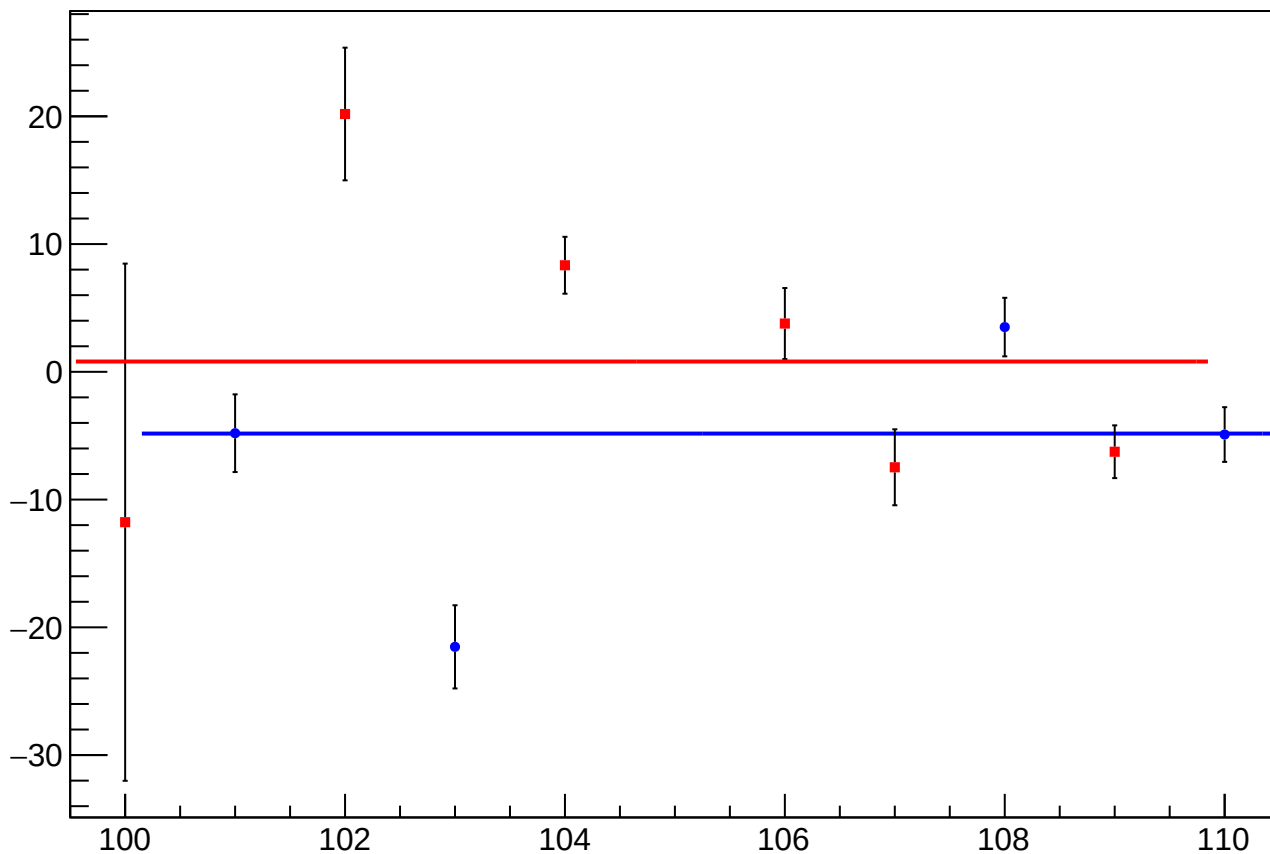
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

24.111+/-1.843  $\chi^2/\text{NDF}$ : 169.0/3

5.291+/-1.225  $\chi^2/\text{NDF}$ : 568.7/9

-9.596+/-1.639  $\chi^2/\text{NDF}$ : 212.9/5

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -4.834+/-1.279  $\chi^2/\text{NDF}$ : 39.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.807+/-1.180  $\chi^2/\text{NDF}$ : 46.3/5

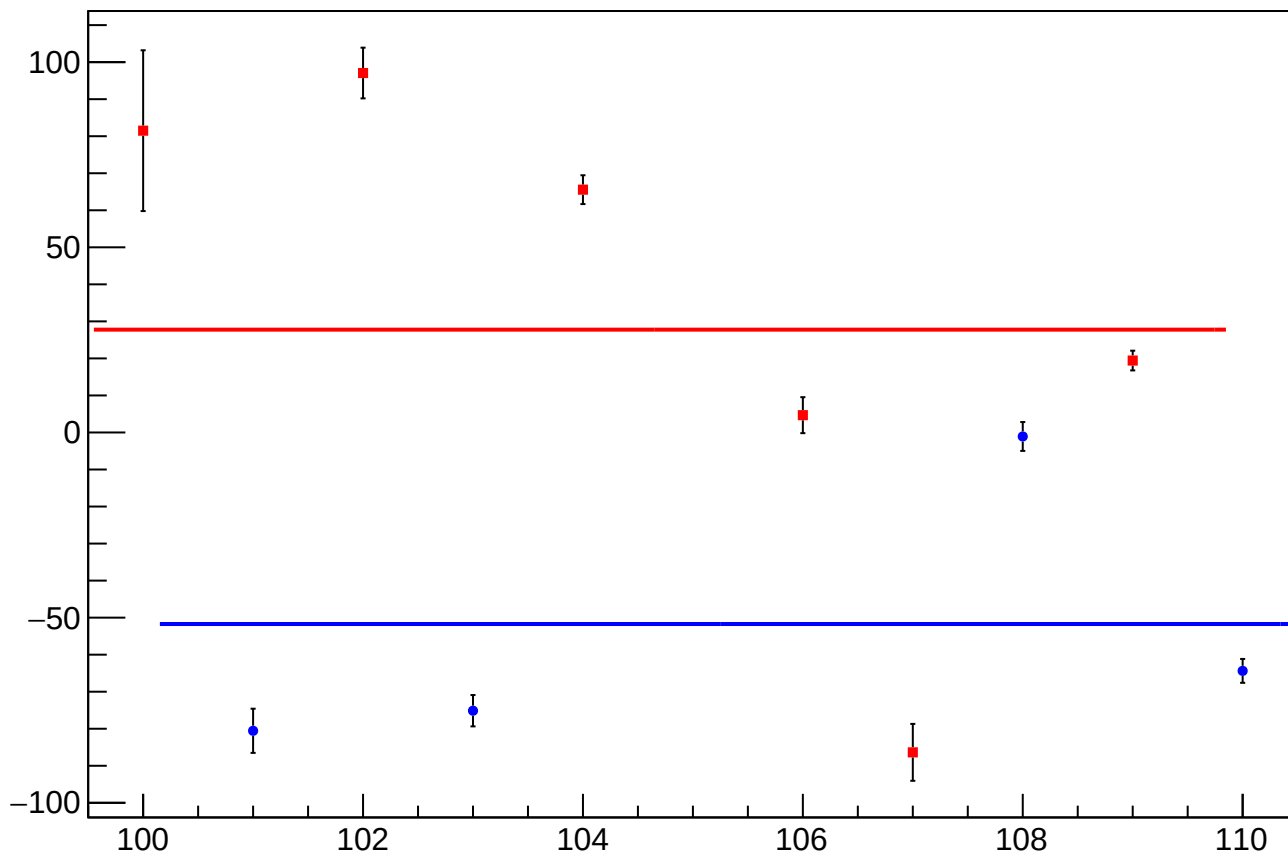
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.834+/-1.279  $\chi^2/\text{NDF}$ : 39.5/3

-1.786+/-0.867  $\chi^2/\text{NDF}$ : 96.4/9

0.807+/-1.180  $\chi^2/\text{NDF}$ : 46.3/5

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -51.721+/-2.016  $\chi^2/\text{NDF}$ : 238.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 27.768+/-1.857  $\chi^2/\text{NDF}$ : 456.2/5

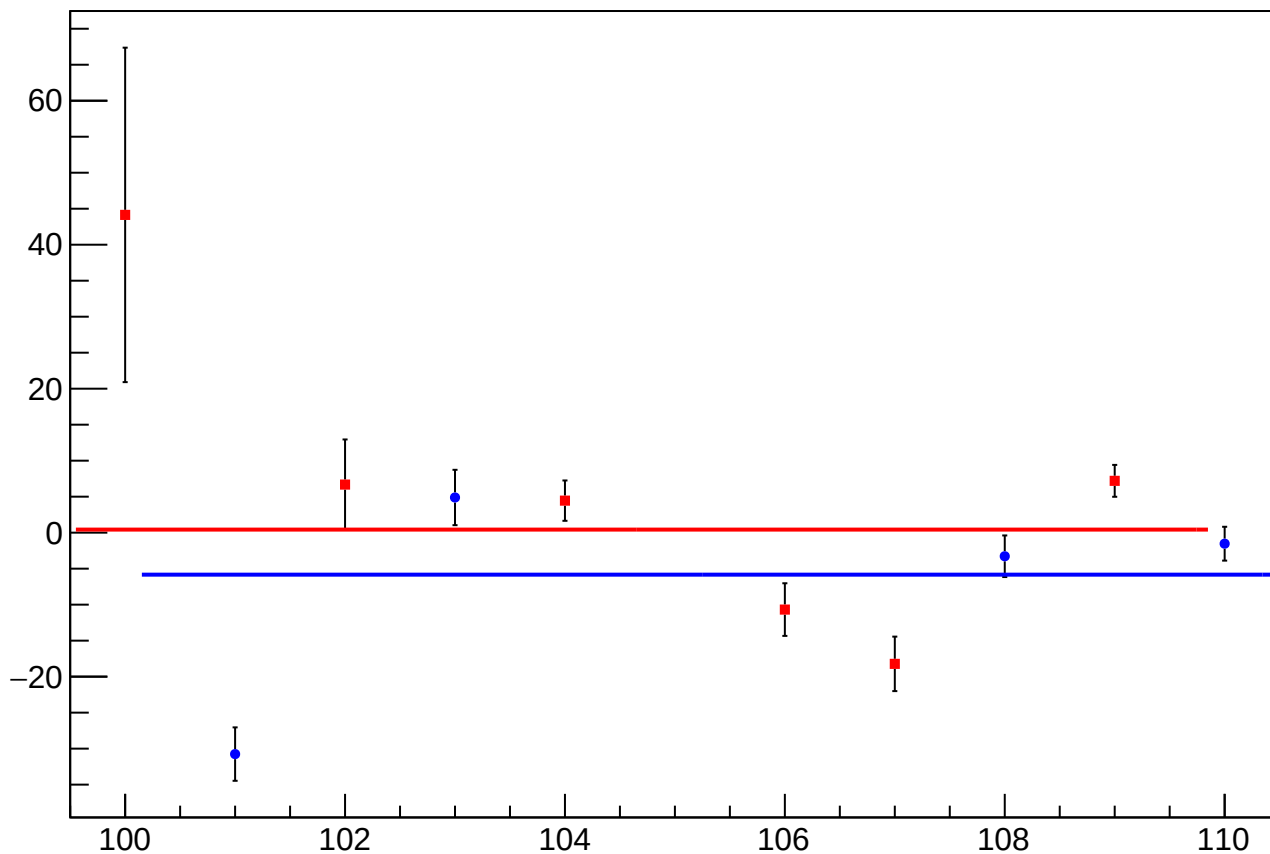
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-51.721+/-2.016  $\chi^2/\text{NDF}$ : 238.4/3

-8.732+/-1.366  $\chi^2/\text{NDF}$ : 1535.7/9

27.768+/-1.857  $\chi^2/\text{NDF}$ : 456.2/5

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -5.834+/-1.506  $\chi^2/\text{NDF}$ : 57.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.427+/-1.409  $\chi^2/\text{NDF}$ : 49.5/5

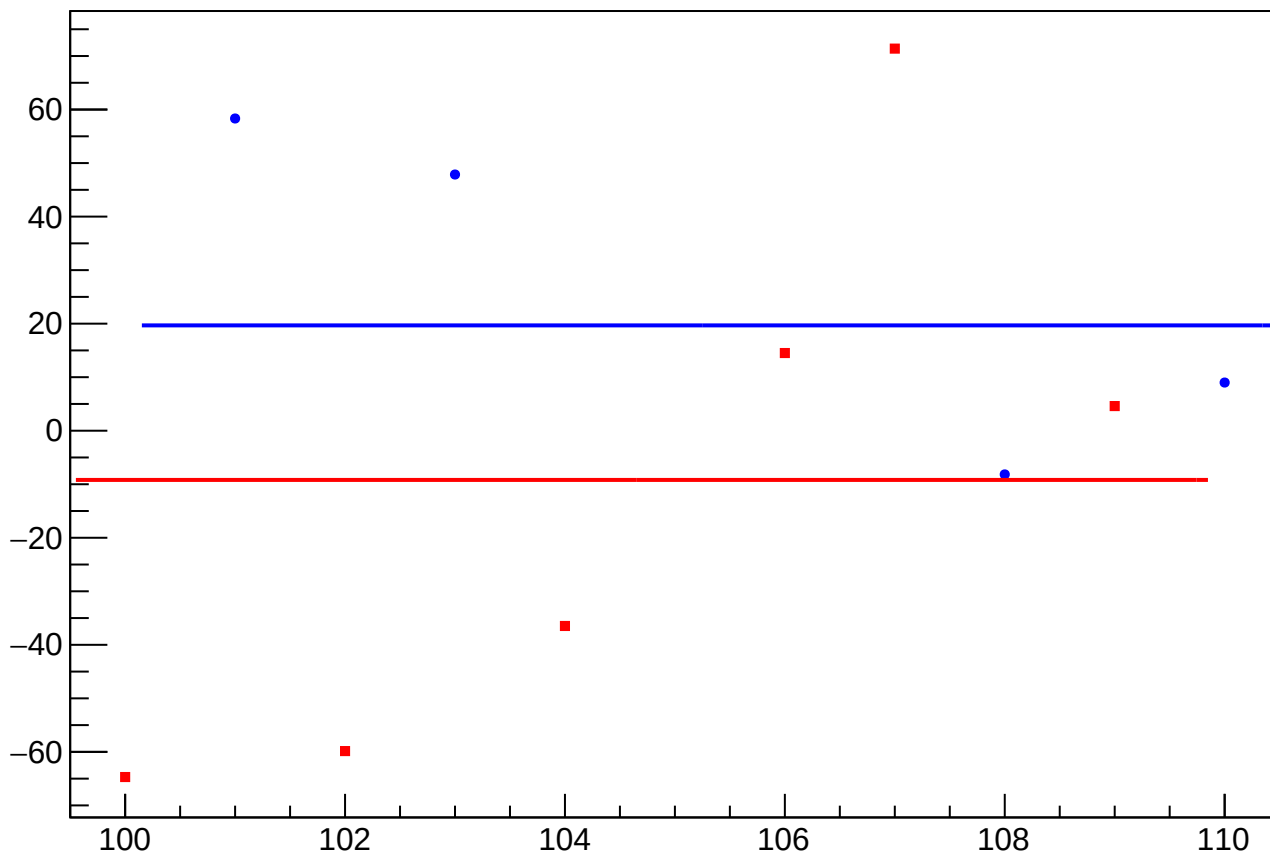
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-5.834+/-1.506  $\chi^2/\text{NDF}$ : 57.0/3

-2.497+/-1.029  $\chi^2/\text{NDF}$ : 115.7/9

0.427+/-1.409  $\chi^2/\text{NDF}$ : 49.5/5

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 19.676+/-0.058  $\chi^2/\text{NDF}$ : 223734.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.195+/-0.057  $\chi^2/\text{NDF}$ : 436731.7/5

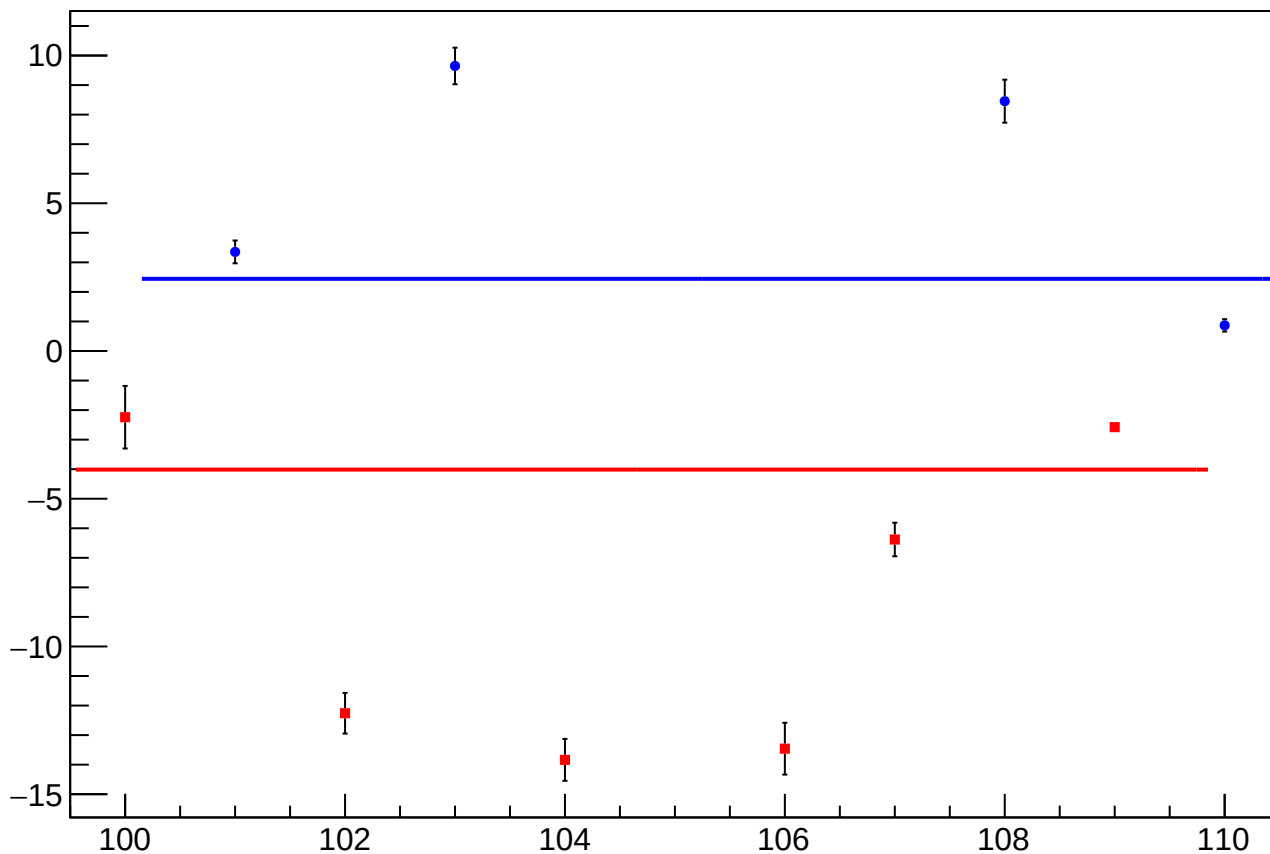
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

19.676+/-0.058  $\chi^2/\text{NDF}$ : 223734.4/3

5.082+/-0.041  $\chi^2/\text{NDF}$ : 786907.1/9

-9.195+/-0.057  $\chi^2/\text{NDF}$ : 436731.7/5

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.443 $\pm$ 0.171  $\chi^2$ /NDF: 266.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -4.014 $\pm$ 0.145  $\chi^2$ /NDF: 550.5/5

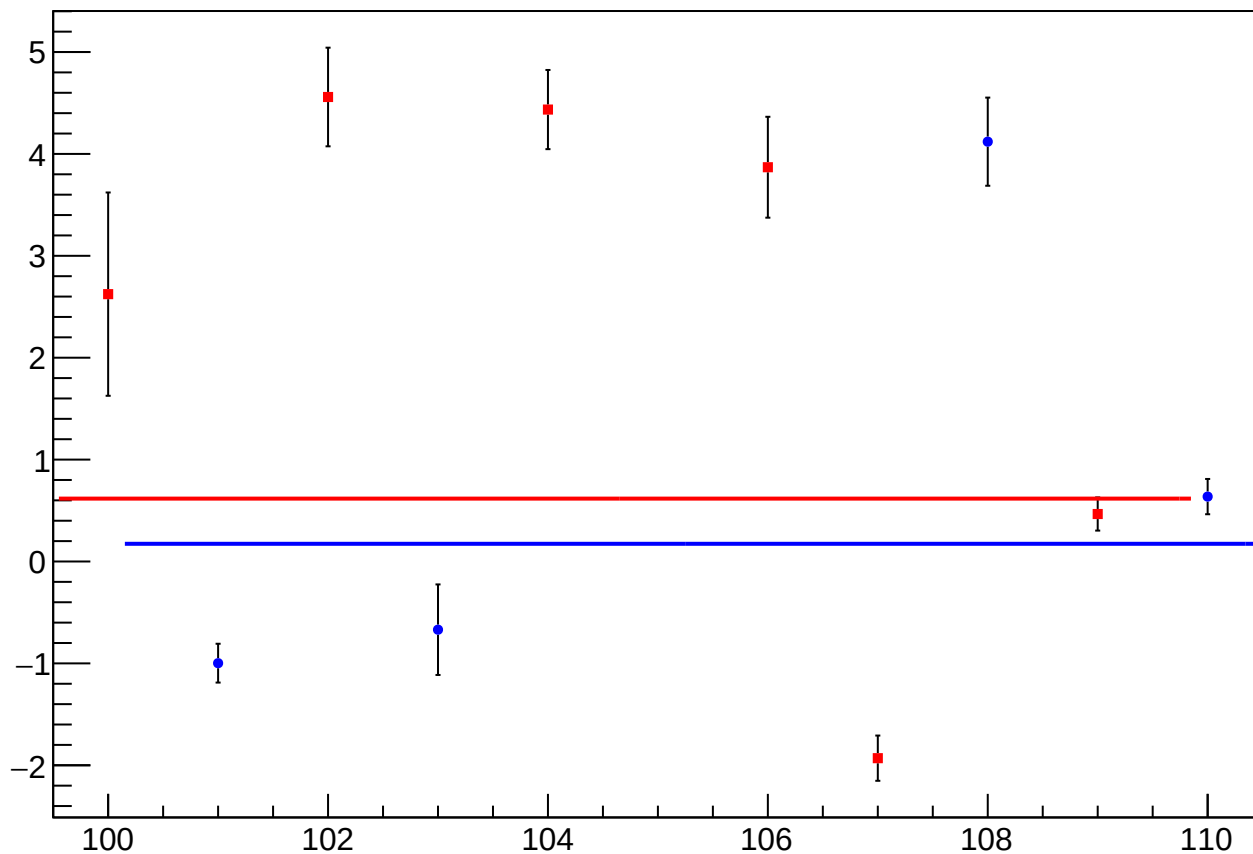
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2.443 $\pm$ 0.171  $\chi^2$ /NDF: 266.5/3

-1.313 $\pm$ 0.111  $\chi^2$ /NDF: 1648.0/9

-4.014 $\pm$ 0.145  $\chi^2$ /NDF: 550.5/5

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.174+/-0.118  $\chi^2/\text{NDF}$ : 131.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.617+/-0.116  $\chi^2/\text{NDF}$ : 342.6/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

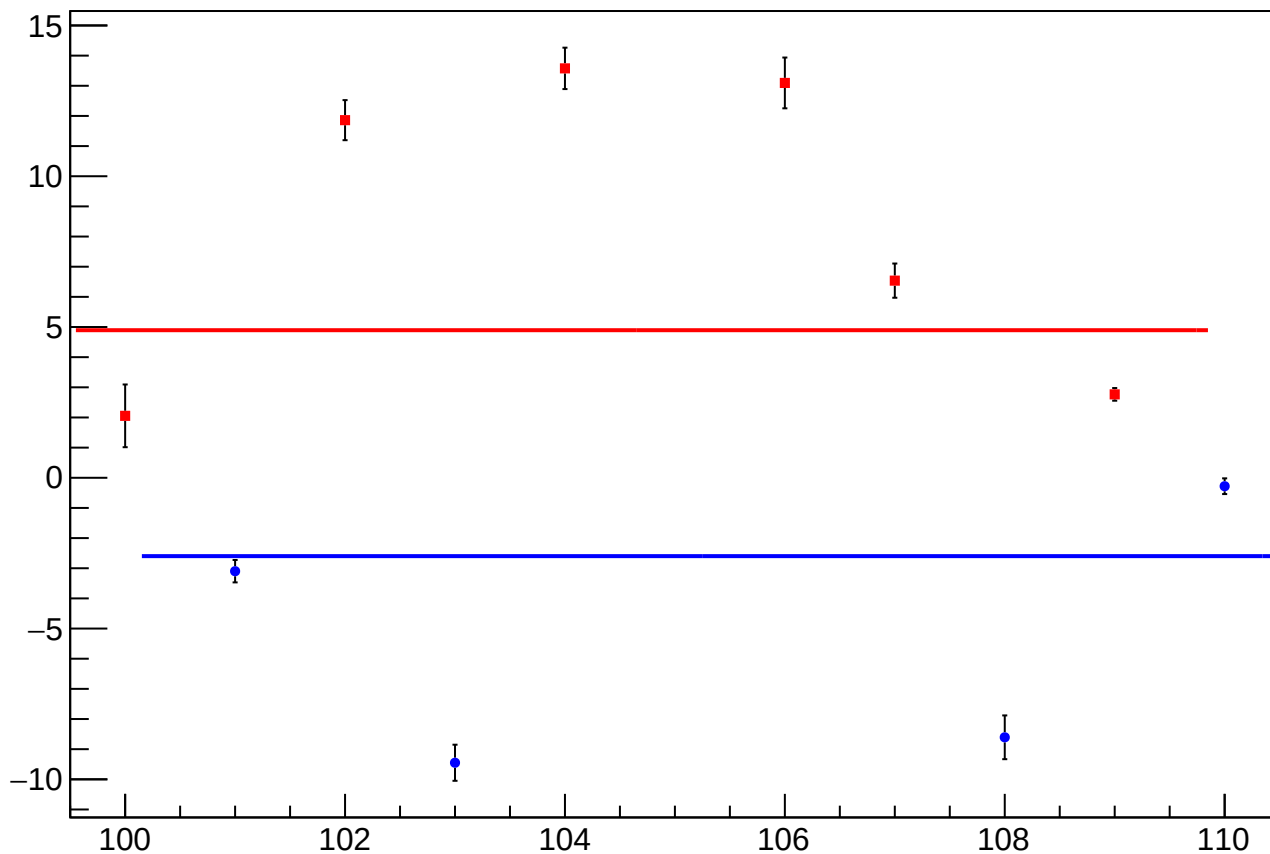
0.174+/-0.118  $\chi^2/\text{NDF}$ : 131.8/3

0.400+/-0.083  $\chi^2/\text{NDF}$ : 481.5/9

0.617+/-0.116  $\chi^2/\text{NDF}$ : 342.6/5



reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.598+/-0.194  $\chi^2$ /NDF: 280.6/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4.894+/-0.175  $\chi^2$ /NDF: 483.3/5

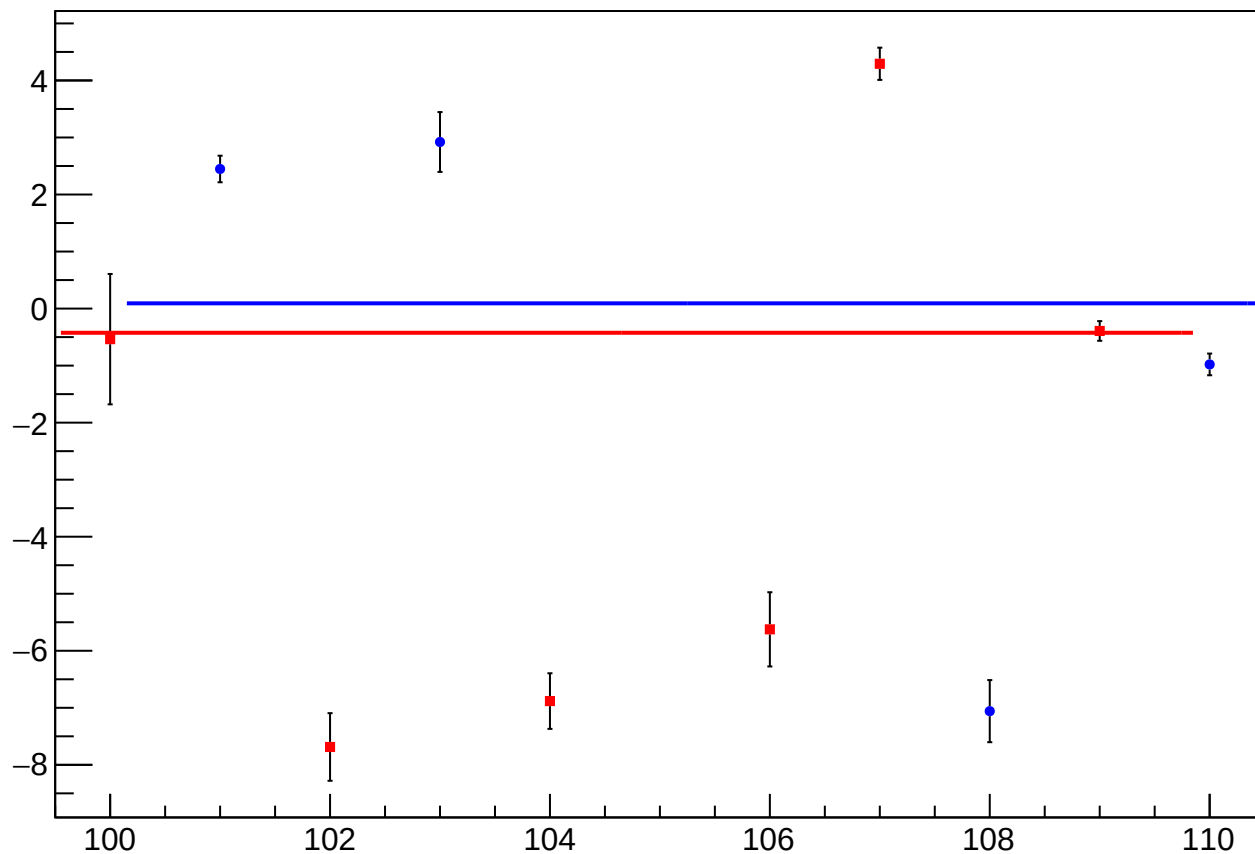
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-2.598+/-0.194  $\chi^2$ /NDF: 280.6/3

1.518+/-0.130  $\chi^2$ /NDF: 1586.2/9

4.894+/-0.175  $\chi^2$ /NDF: 483.3/5

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.092+/-0.137  $\chi^2/\text{NDF}$ : 335.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.424+/-0.133  $\chi^2/\text{NDF}$ : 668.1/5

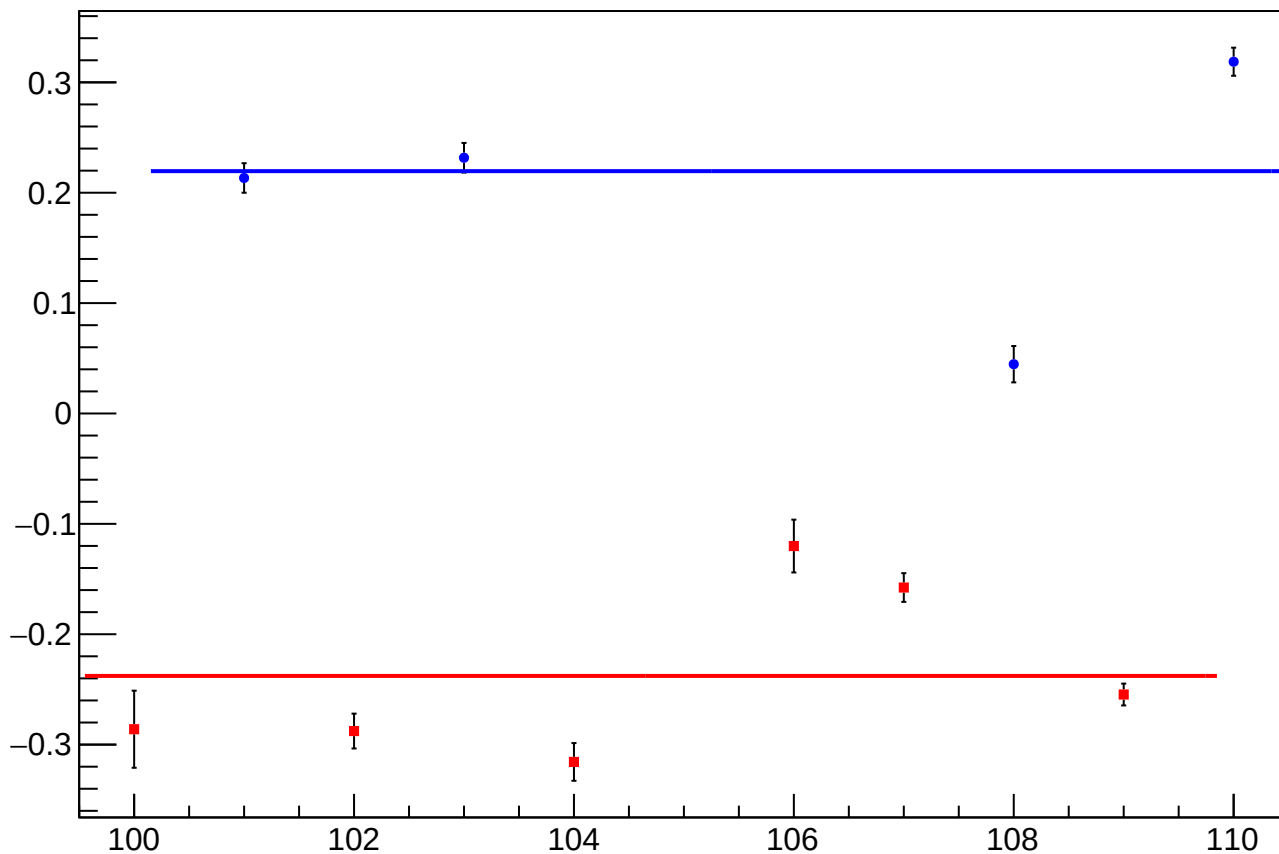
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.092+/-0.137  $\chi^2/\text{NDF}$ : 335.7/3

-0.174+/-0.096  $\chi^2/\text{NDF}$ : 1011.0/9

-0.424+/-0.133  $\chi^2/\text{NDF}$ : 668.1/5

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.220+/-0.007  $\chi^2/\text{NDF}$ : 174.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.238+/-0.006  $\chi^2/\text{NDF}$ : 97.7/5

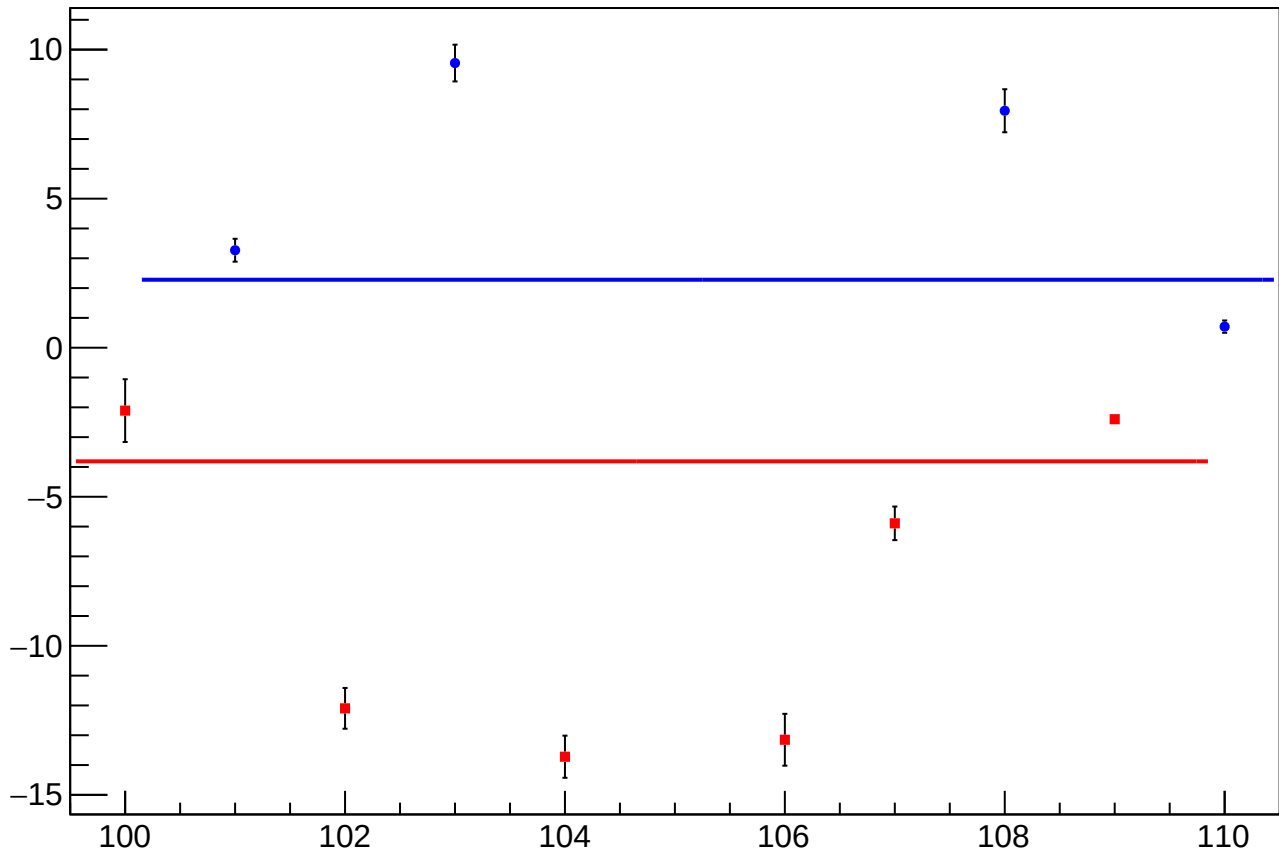
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.220+/-0.007  $\chi^2/\text{NDF}$ : 174.5/3

-0.034+/-0.005  $\chi^2/\text{NDF}$ : 2706.6/9

-0.238+/-0.006  $\chi^2/\text{NDF}$ : 97.7/5

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $2.280 \pm 0.170$   $\chi^2/\text{NDF}$ : 265.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.812 \pm 0.144$   $\chi^2/\text{NDF}$ : 552.5/5

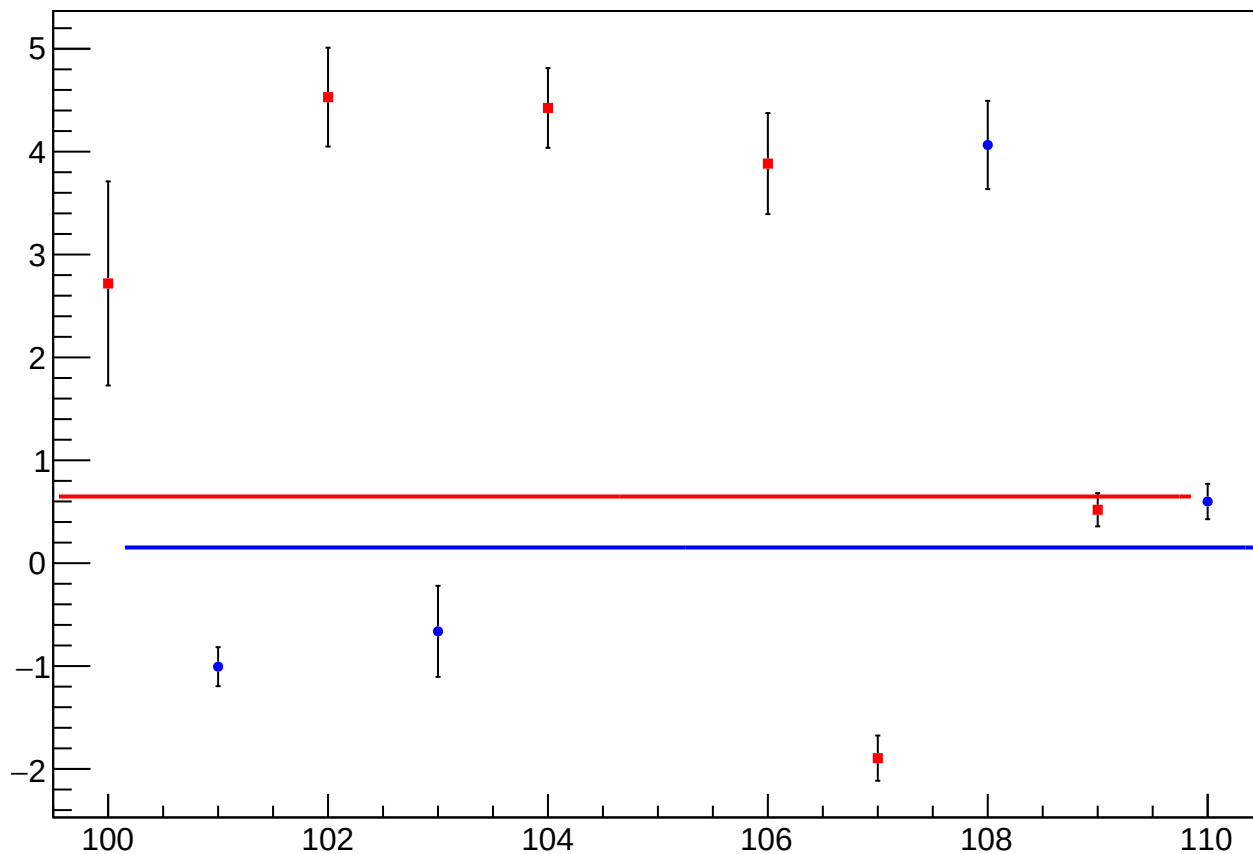
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$2.280 \pm 0.170$   $\chi^2/\text{NDF}$ : 265.2/3

$-1.268 \pm 0.110$   $\chi^2/\text{NDF}$ : 1567.3/9

$-3.812 \pm 0.144$   $\chi^2/\text{NDF}$ : 552.5/5

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.153+/-0.118  $\chi^2/\text{NDF}$ : 130.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.648+/-0.115  $\chi^2/\text{NDF}$ : 342.3/5

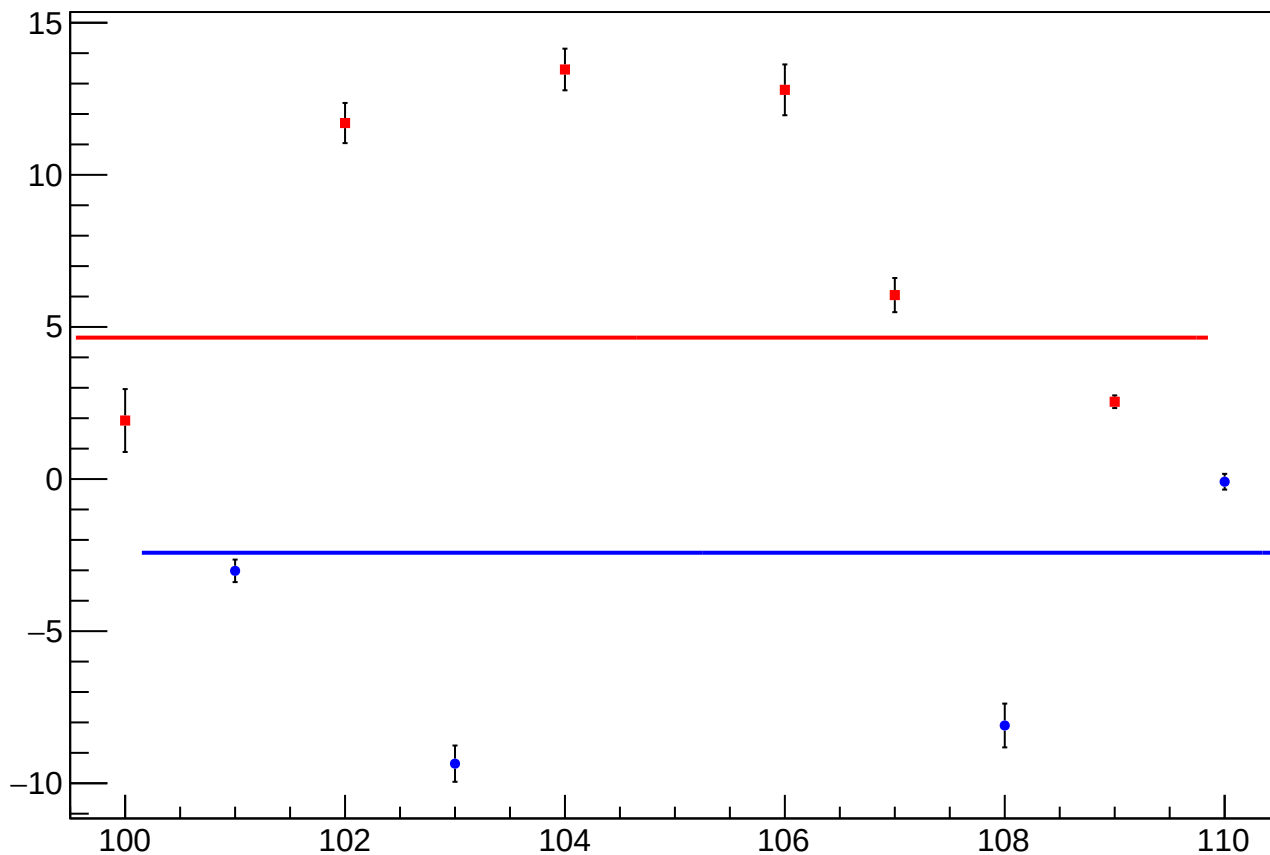
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.153+/-0.118  $\chi^2/\text{NDF}$ : 130.6/3

0.406+/-0.082  $\chi^2/\text{NDF}$ : 481.9/9

0.648+/-0.115  $\chi^2/\text{NDF}$ : 342.3/5

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.422+/-0.193  $\chi^2$ /NDF: 281.4/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.649+/-0.174  $\chi^2$ /NDF: 490.7/5

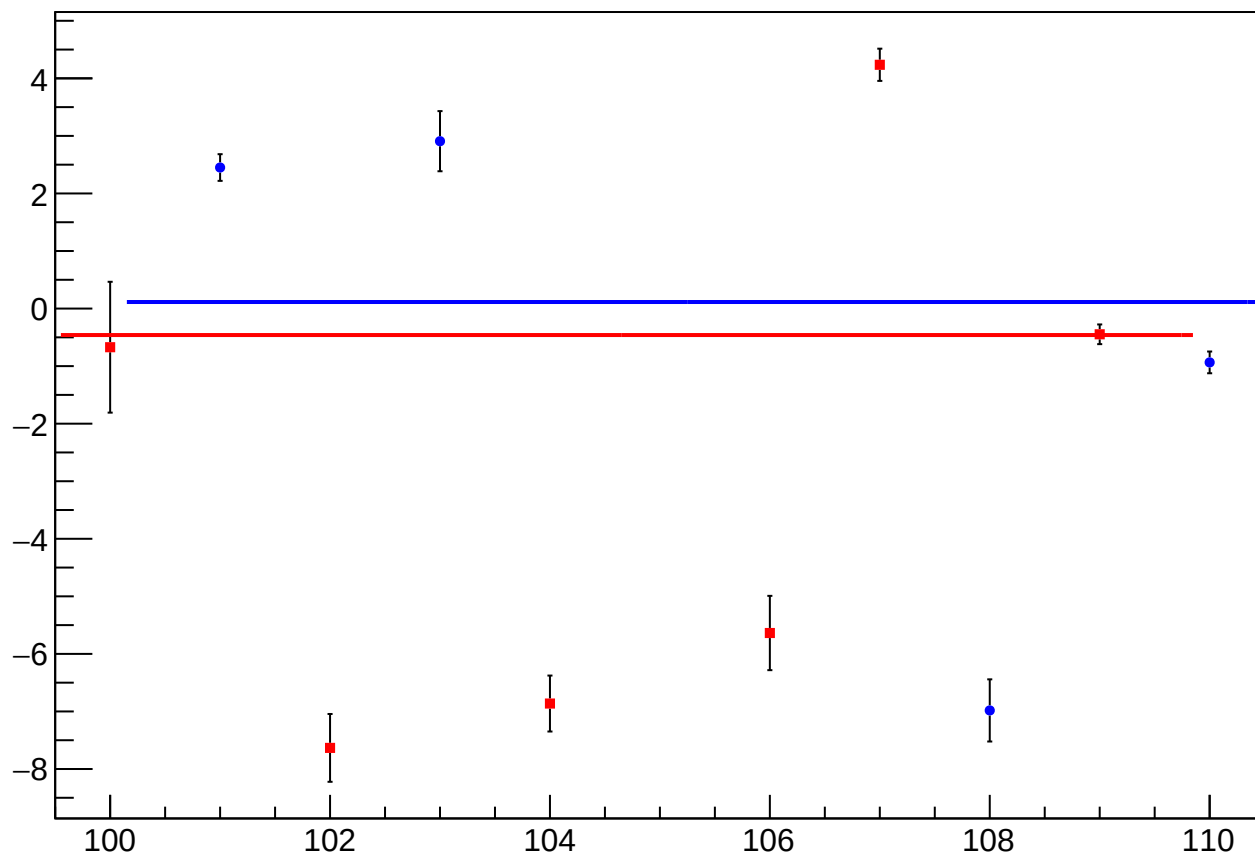
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.422+/-0.193  $\chi^2$ /NDF: 281.4/3

1.469+/-0.129  $\chi^2$ /NDF: 1514.3/9

4.649+/-0.174  $\chi^2$ /NDF: 490.7/5

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.114 +/- 0.136  $\chi^2/\text{NDF}$ : 333.7/3

Left Out: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.460 +/- 0.132  $\chi^2/\text{NDF}$ : 667.5/5

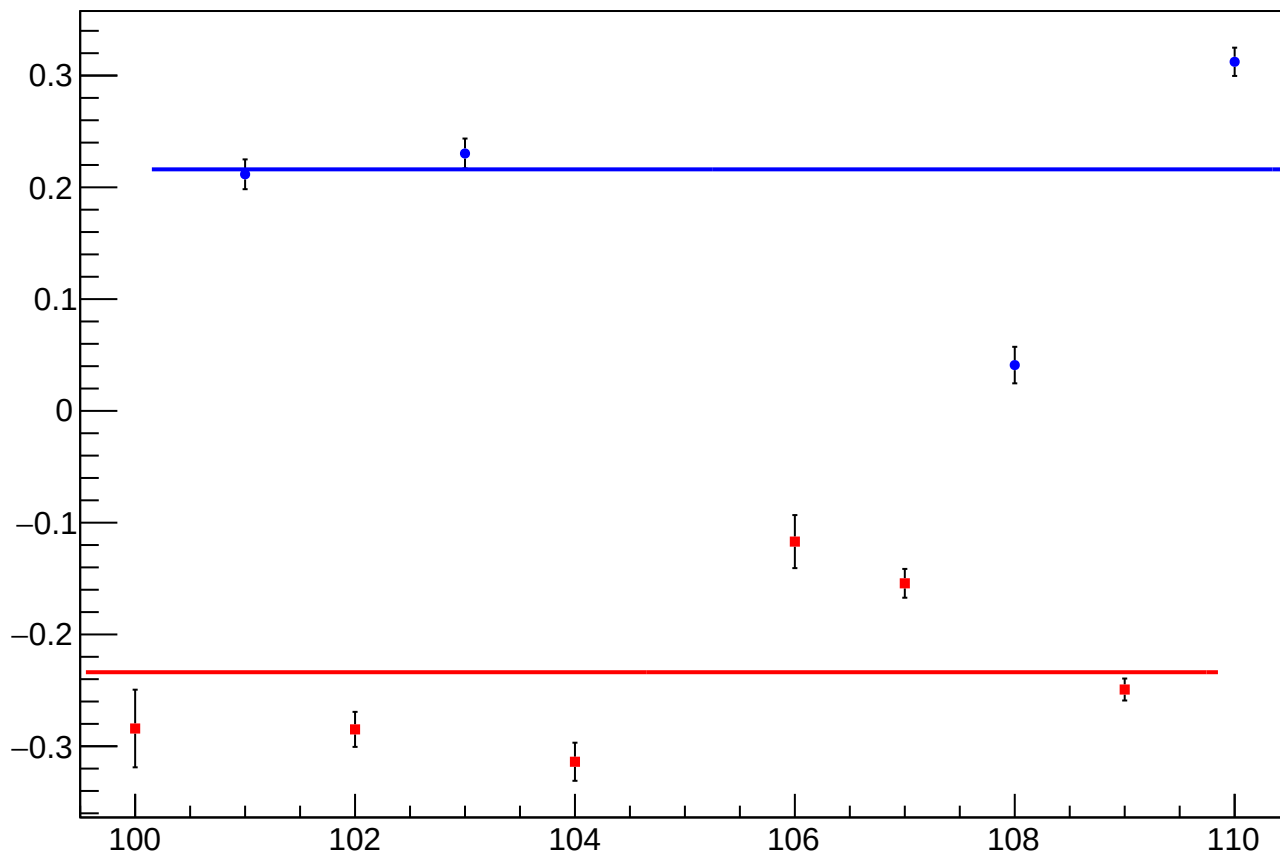
Left In: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.114 +/- 0.136  $\chi^2/\text{NDF}$ : 333.7/3

-0.182 +/- 0.095  $\chi^2/\text{NDF}$ : 1010.3/9

-0.460 +/- 0.132  $\chi^2/\text{NDF}$ : 667.5/5

reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.216+/-0.007  $\chi^2/\text{NDF}$ : 174.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.234+/-0.006  $\chi^2/\text{NDF}$ : 99.7/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

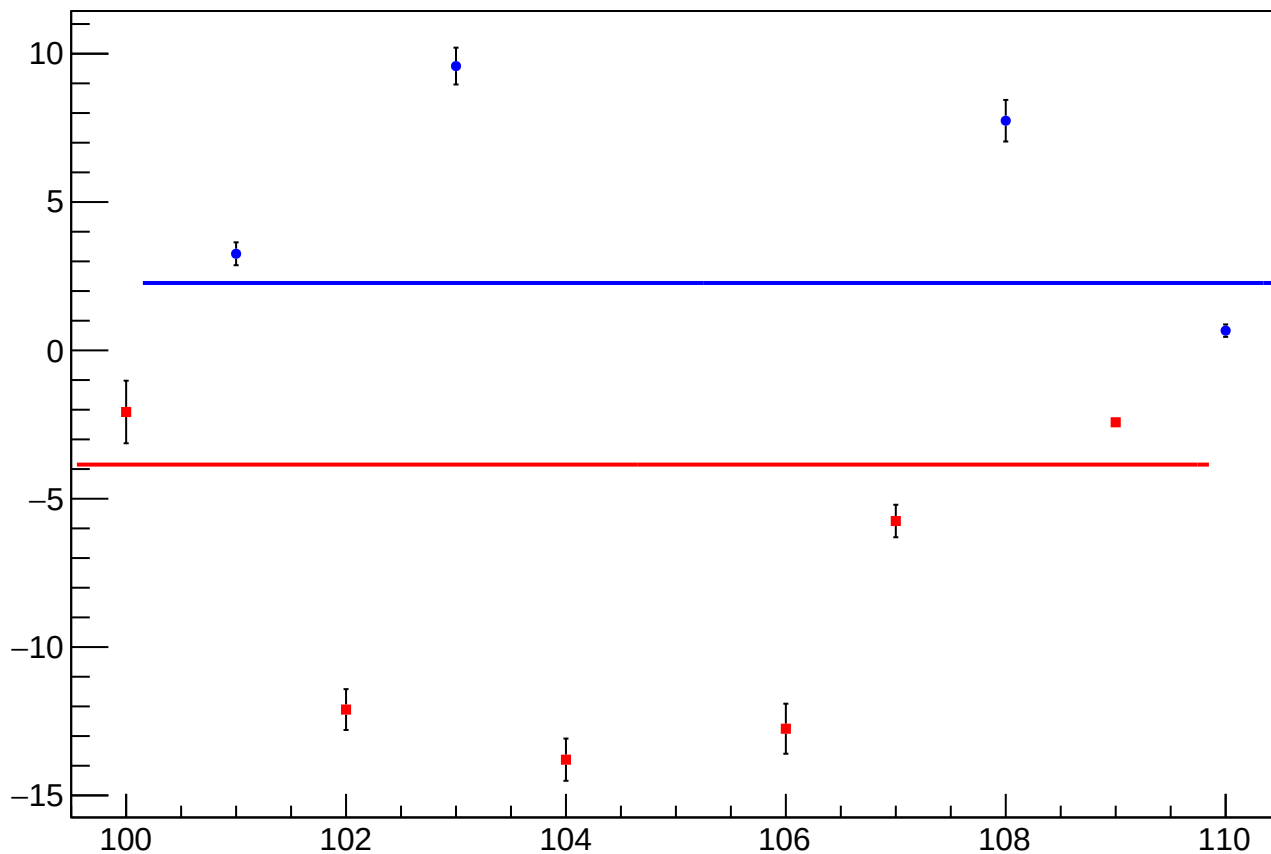
0.216+/-0.007  $\chi^2/\text{NDF}$ : 174.0/3

-0.034+/-0.005  $\chi^2/\text{NDF}$ : 2659.3/9

-0.234+/-0.006  $\chi^2/\text{NDF}$ : 99.7/5



reg\_asym\_bcm\_an\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.272 $\pm$ 0.171  $\chi^2$ /NDF: 265.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -3.849 $\pm$ 0.145  $\chi^2$ /NDF: 542.8/5

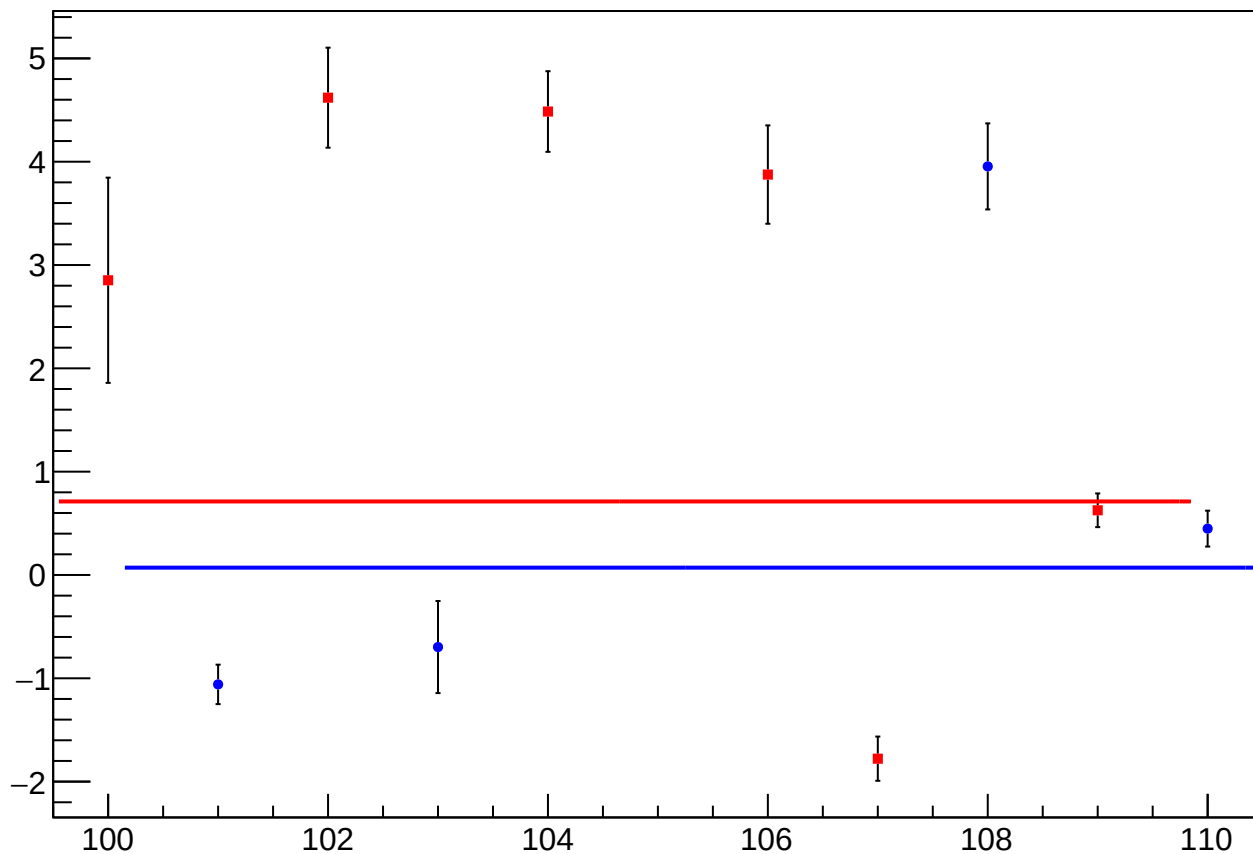
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2.272 $\pm$ 0.171  $\chi^2$ /NDF: 265.2/3

-1.297 $\pm$ 0.110  $\chi^2$ /NDF: 1555.0/9

-3.849 $\pm$ 0.145  $\chi^2$ /NDF: 542.8/5

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.071+/-0.118  $\chi^2/\text{NDF}$ : 129.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.712+/-0.115  $\chi^2/\text{NDF}$ : 343.1/5

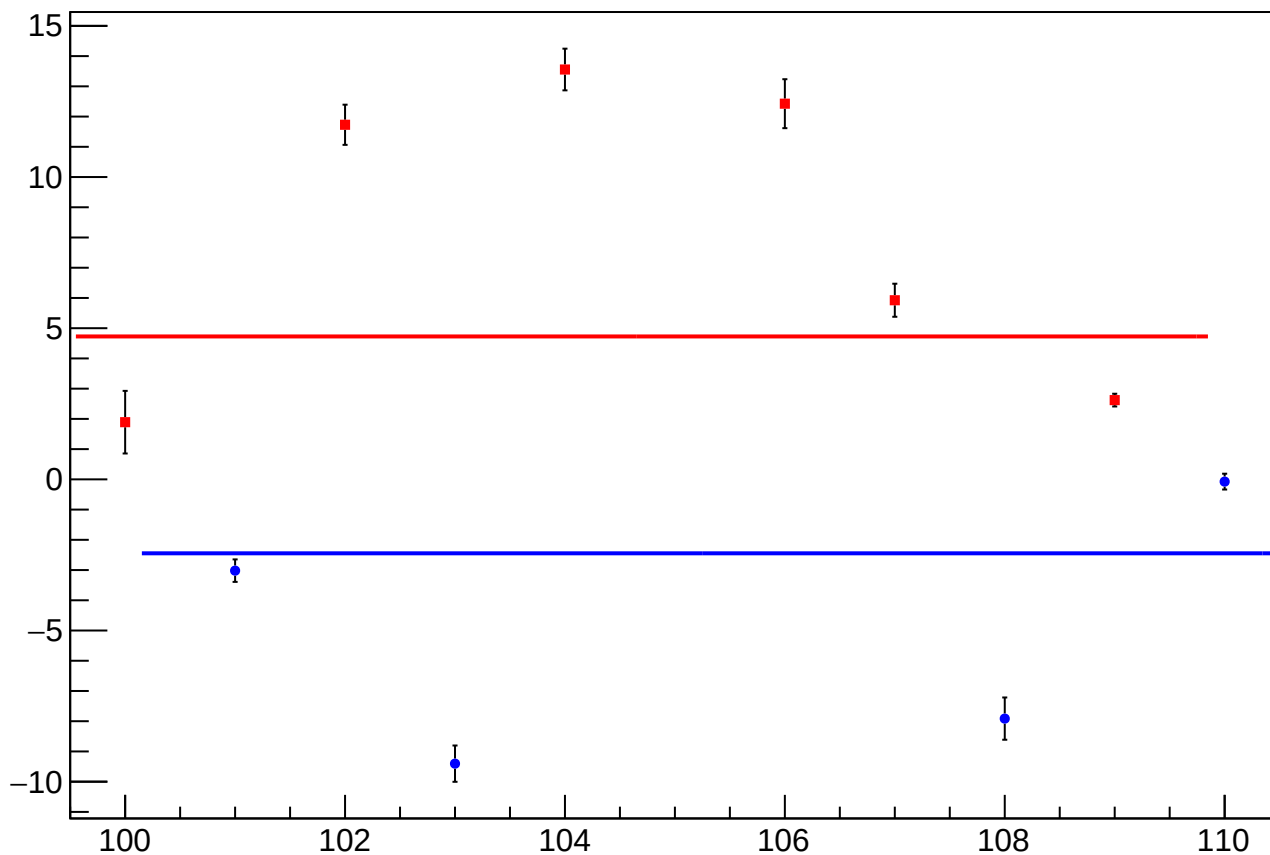
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.071+/-0.118  $\chi^2/\text{NDF}$ : 129.7/3

0.401+/-0.082  $\chi^2/\text{NDF}$ : 487.9/9

0.712+/-0.115  $\chi^2/\text{NDF}$ : 343.1/5

reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.446+/-0.194  $\chi^2$ /NDF: 280.1/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.727+/-0.175  $\chi^2$ /NDF: 477.9/5

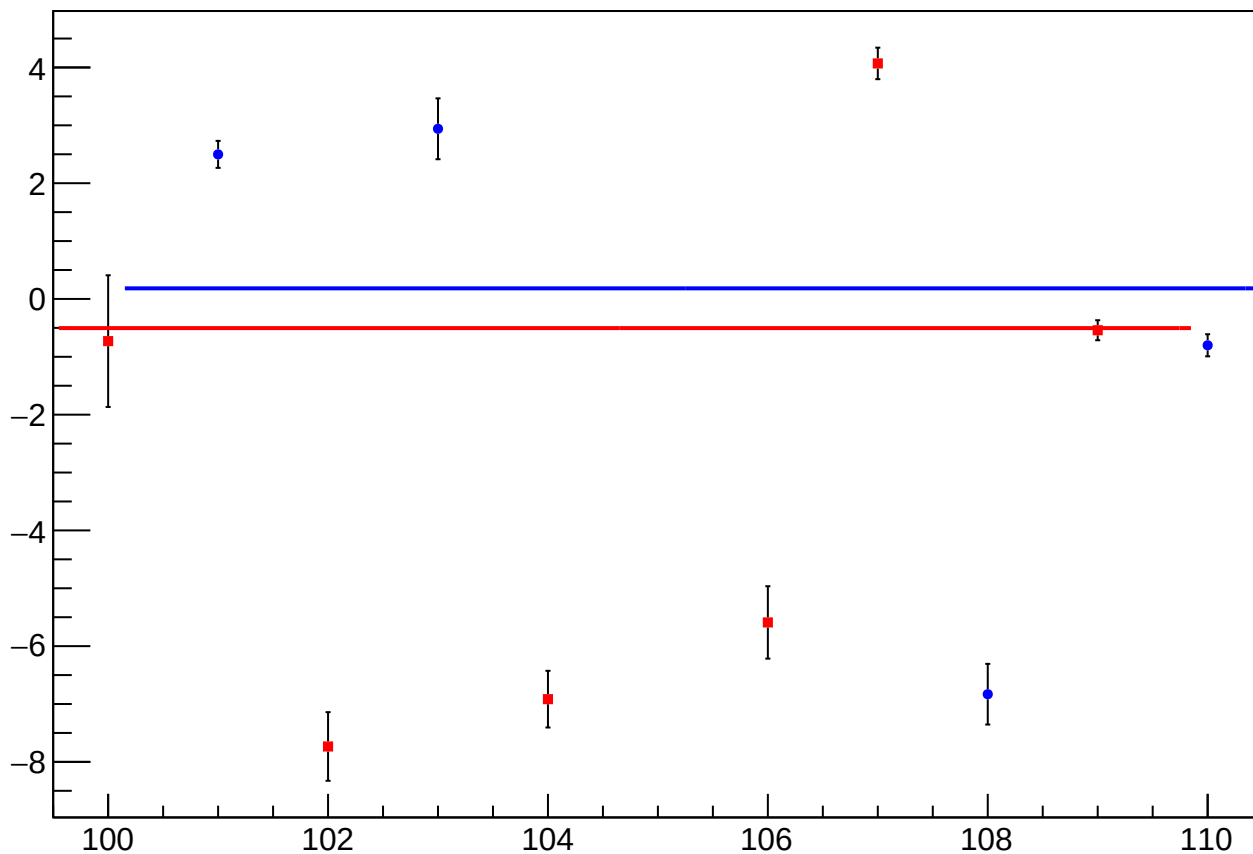
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.446+/-0.194  $\chi^2$ /NDF: 280.1/3

1.508+/-0.130  $\chi^2$ /NDF: 1514.4/9

4.727+/-0.175  $\chi^2$ /NDF: 477.9/5

reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.183+/-0.137  $\chi^2/\text{NDF}$ : 331.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.504+/-0.132  $\chi^2/\text{NDF}$ : 668.3/5

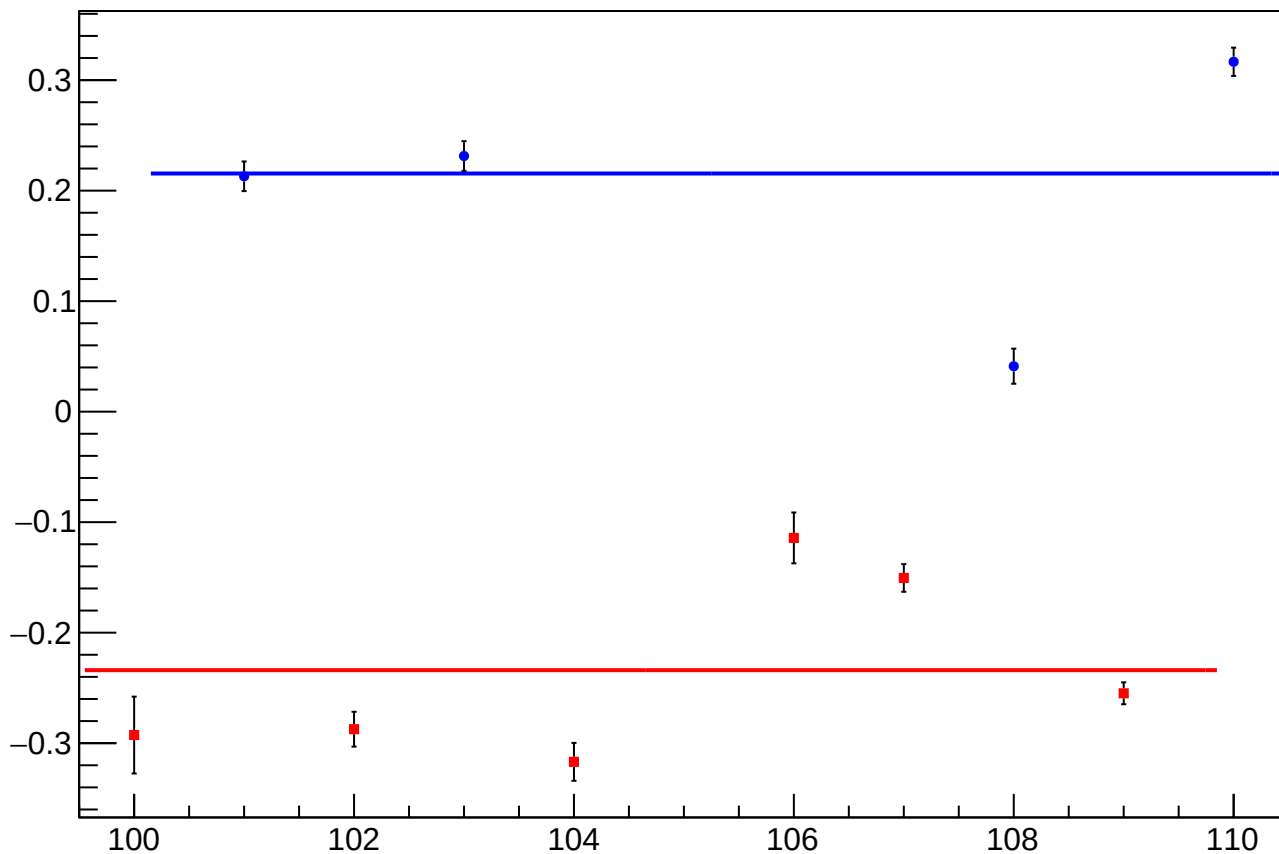
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.183+/-0.137  $\chi^2/\text{NDF}$ : 331.6/3

-0.174+/-0.095  $\chi^2/\text{NDF}$ : 1012.9/9

-0.504+/-0.132  $\chi^2/\text{NDF}$ : 668.3/5

reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.216+/-0.007  $\chi^2/\text{NDF}$ : 184.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.234+/-0.006  $\chi^2/\text{NDF}$ : 113.5/5

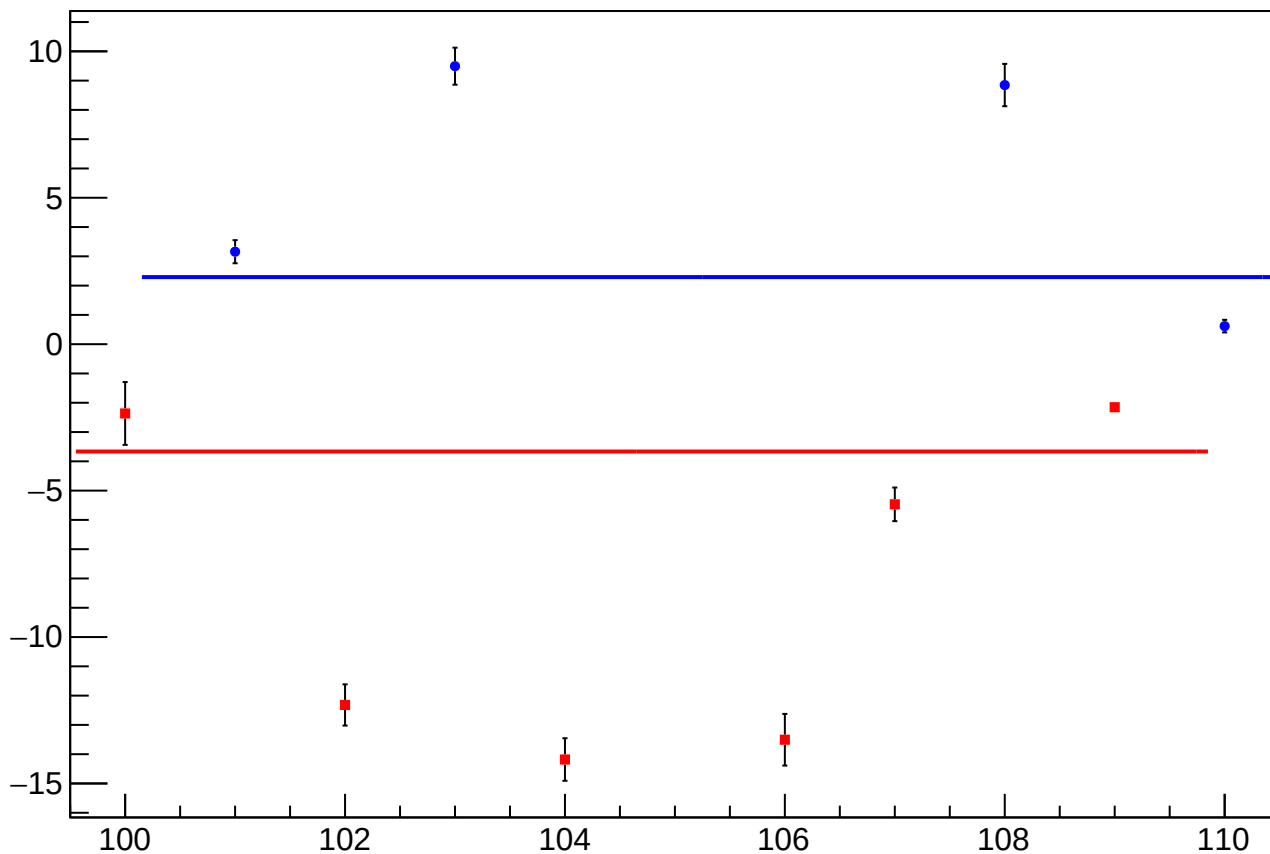
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.216+/-0.007  $\chi^2/\text{NDF}$ : 184.7/3

-0.035+/-0.005  $\chi^2/\text{NDF}$ : 2682.6/9

-0.234+/-0.006  $\chi^2/\text{NDF}$ : 113.5/5

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.291+/-0.176  $\chi^2/\text{NDF}$ : 277.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.665+/-0.149  $\chi^2/\text{NDF}$ : 578.5/5

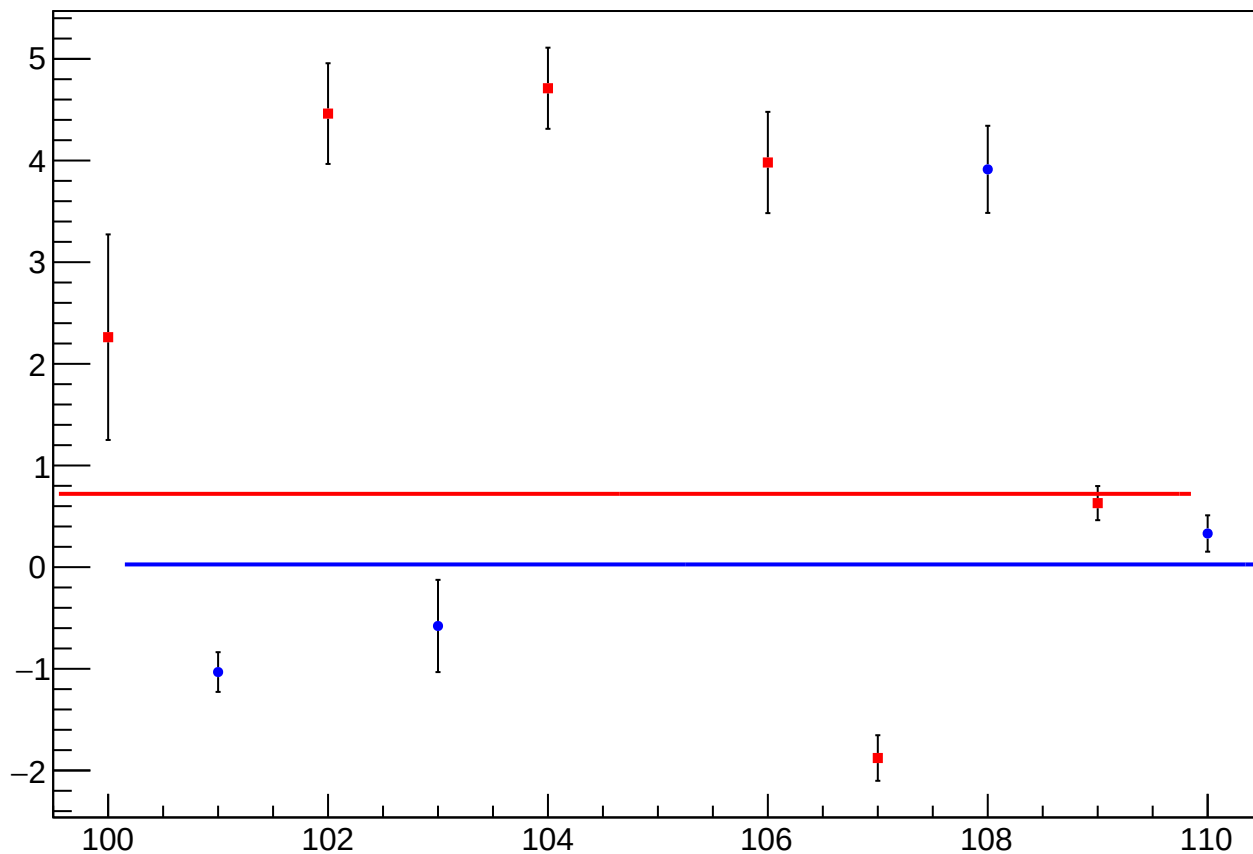
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.291+/-0.176  $\chi^2/\text{NDF}$ : 277.4/3

-1.172+/-0.114  $\chi^2/\text{NDF}$ : 1524.3/9

-3.665+/-0.149  $\chi^2/\text{NDF}$ : 578.5/5

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.027 $\pm$ 0.121  $\chi^2$ /NDF: 116.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.721 $\pm$ 0.119  $\chi^2$ /NDF: 336.8/5

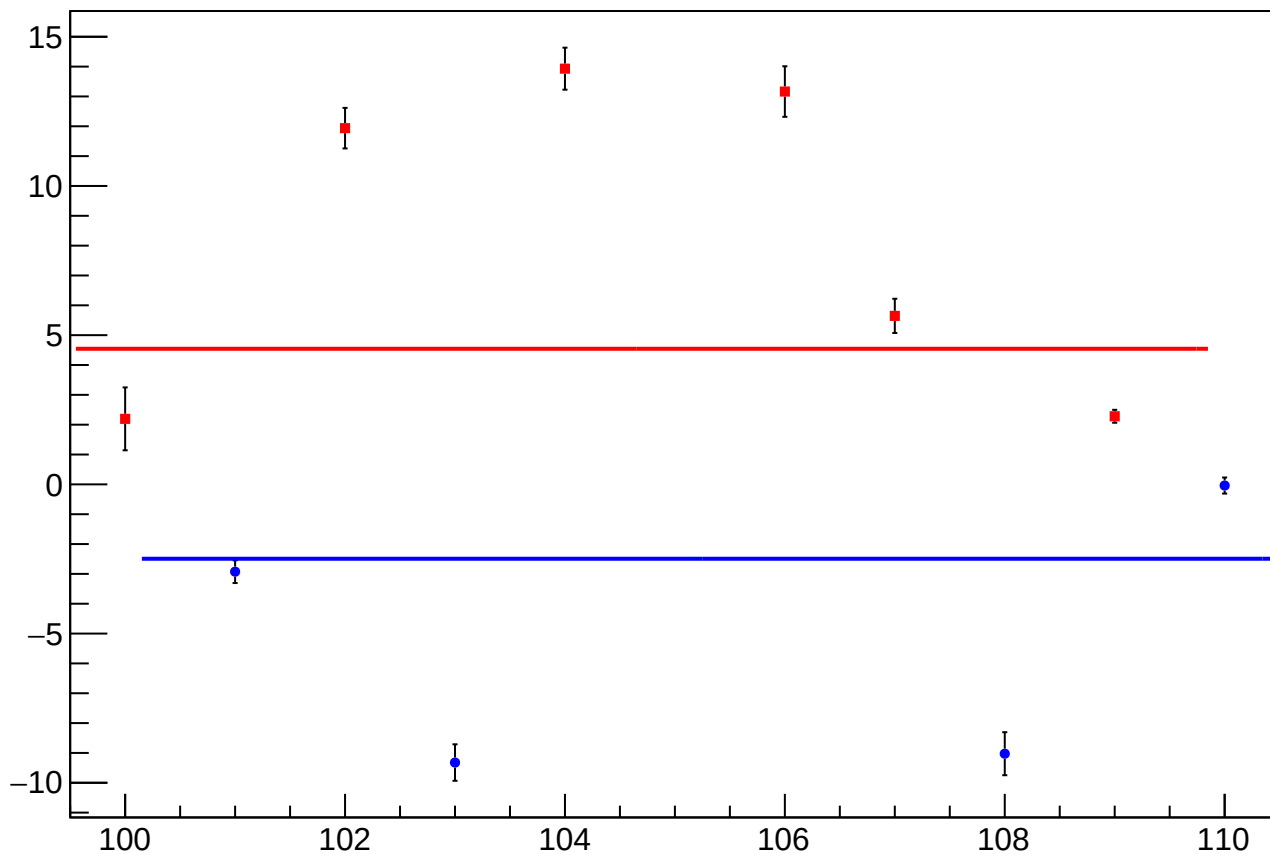
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.027 $\pm$ 0.121  $\chi^2$ /NDF: 116.3/3

0.381 $\pm$ 0.085  $\chi^2$ /NDF: 469.7/9

0.721 $\pm$ 0.119  $\chi^2$ /NDF: 336.8/5

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.493+/-0.199  $\chi^2$ /NDF: 291.2/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.544+/-0.180  $\chi^2$ /NDF: 517.4/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

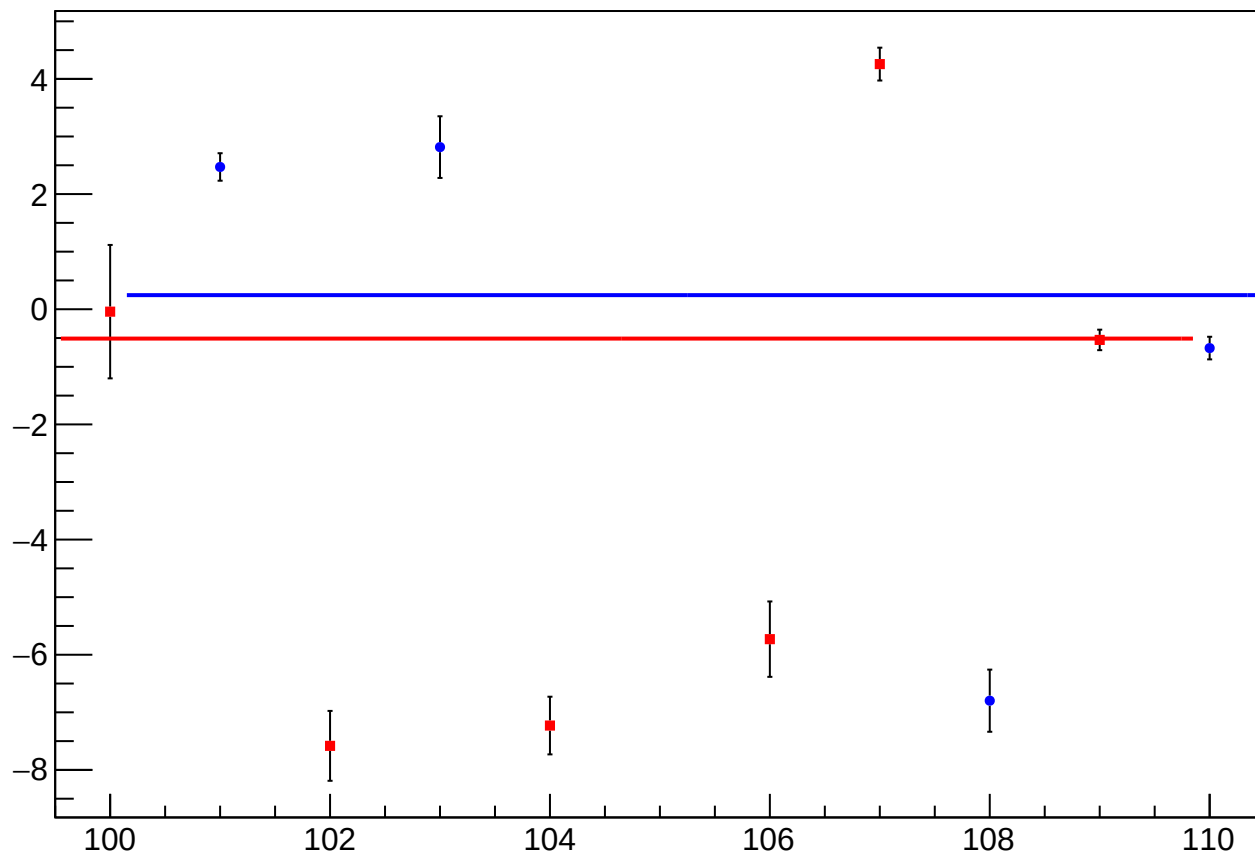
-2.493+/-0.199  $\chi^2$ /NDF: 291.2/3

1.372+/-0.133  $\chi^2$ /NDF: 1496.8/9

4.544+/-0.180  $\chi^2$ /NDF: 517.4/5



reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.245+/-0.141  $\chi^2/\text{NDF}$ : 302.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.509+/-0.137  $\chi^2/\text{NDF}$ : 658.9/5

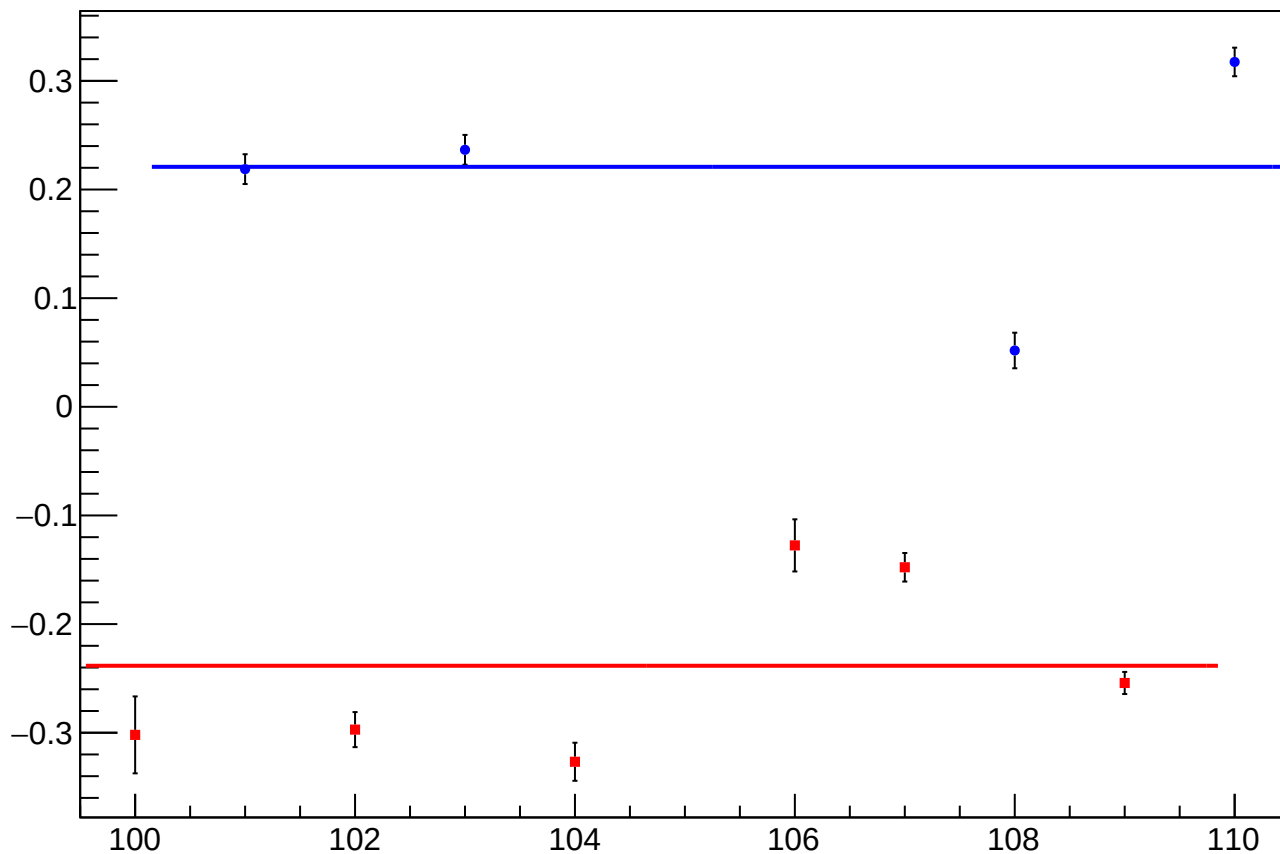
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.245+/-0.141  $\chi^2/\text{NDF}$ : 302.2/3

-0.144+/-0.098  $\chi^2/\text{NDF}$ : 975.9/9

-0.509+/-0.137  $\chi^2/\text{NDF}$ : 658.9/5

reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.221+/-0.007  $\chi^2/\text{NDF}$ : 161.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.238+/-0.006  $\chi^2/\text{NDF}$ : 113.2/5

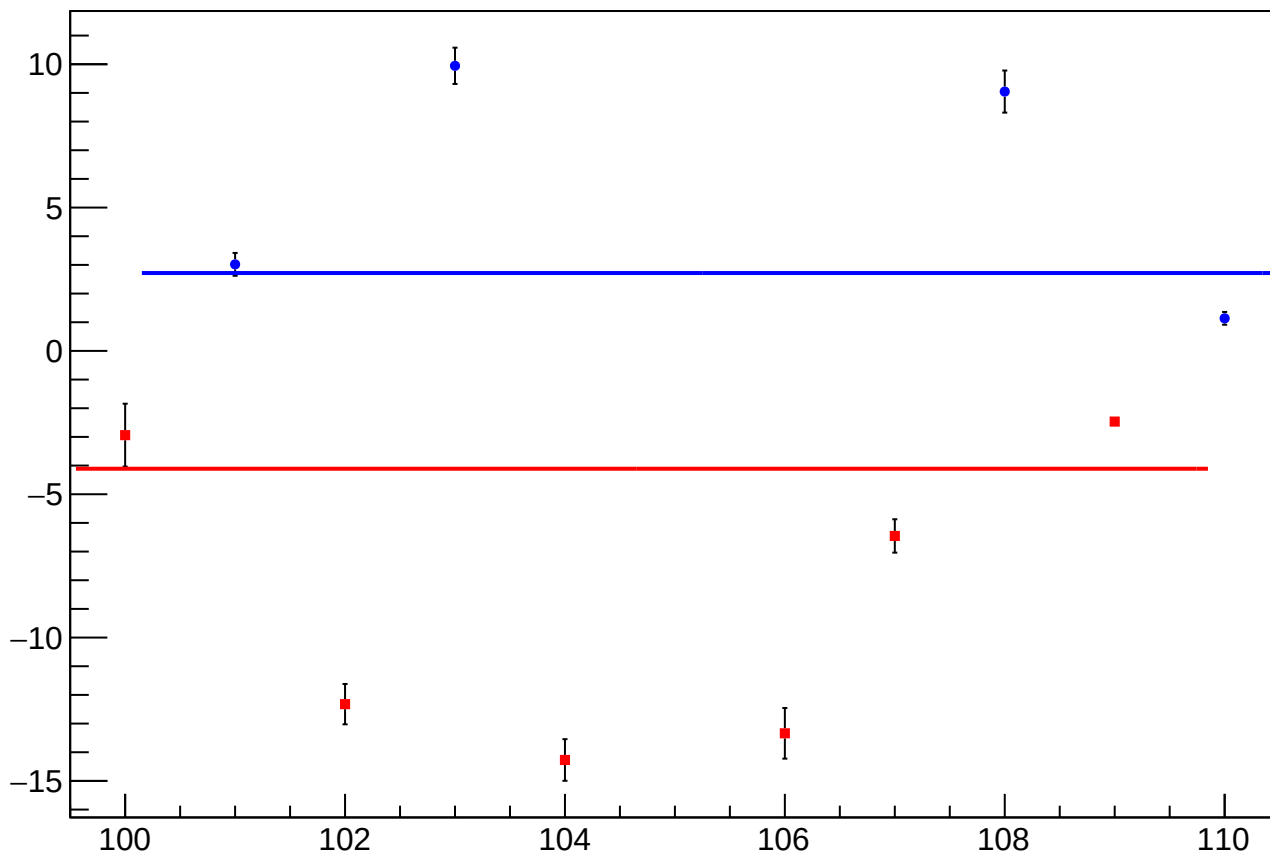
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.221+/-0.007  $\chi^2/\text{NDF}$ : 161.8/3

-0.034+/-0.005  $\chi^2/\text{NDF}$ : 2630.9/9

-0.238+/-0.006  $\chi^2/\text{NDF}$ : 113.2/5

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.716+/-0.180  $\chi^2/\text{NDF}$ : 255.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.110+/-0.155  $\chi^2/\text{NDF}$ : 546.4/5

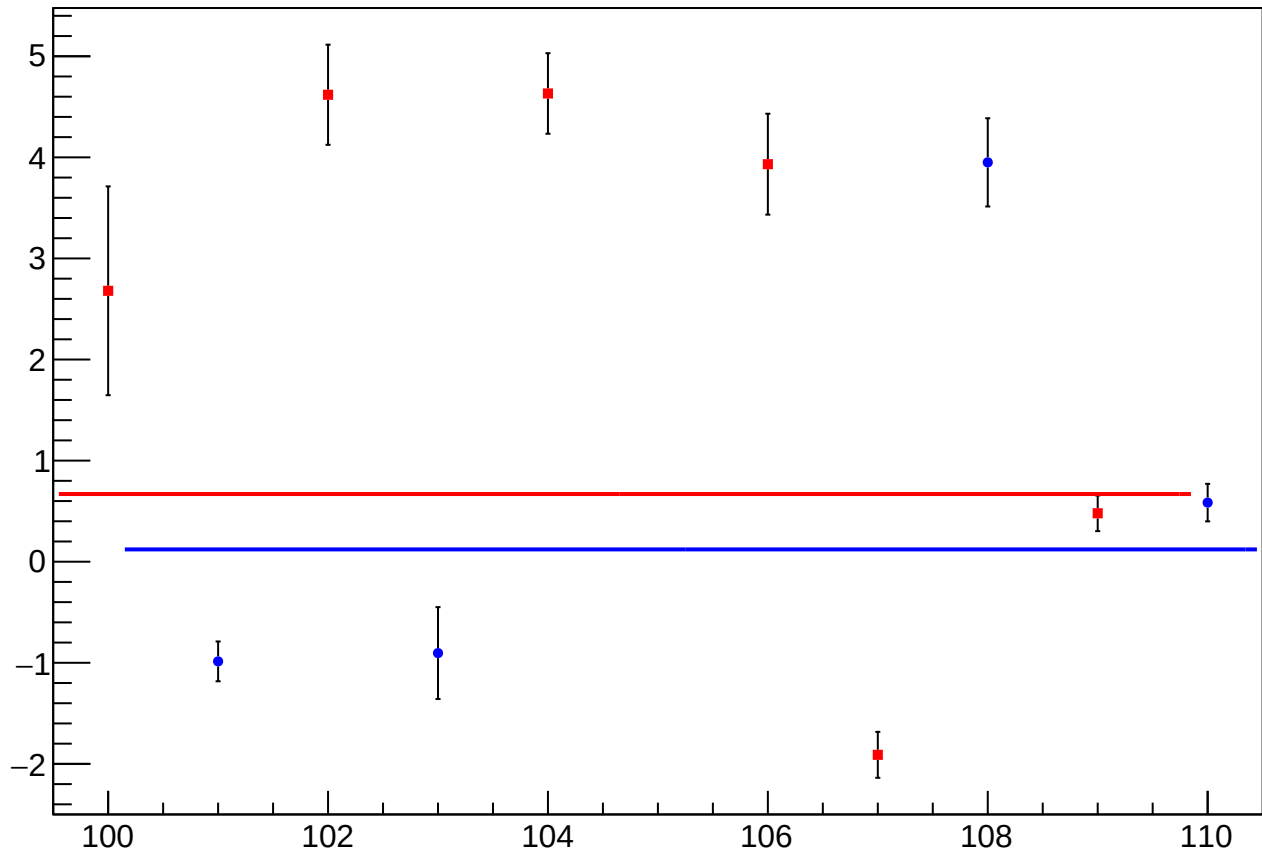
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.716+/-0.180  $\chi^2/\text{NDF}$ : 255.5/3

-1.209+/-0.118  $\chi^2/\text{NDF}$ : 1625.0/9

-4.110+/-0.155  $\chi^2/\text{NDF}$ : 546.4/5

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.122 $\pm$ 0.124  $\chi^2$ /NDF: 119.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.670 $\pm$ 0.122  $\chi^2$ /NDF: 339.0/5

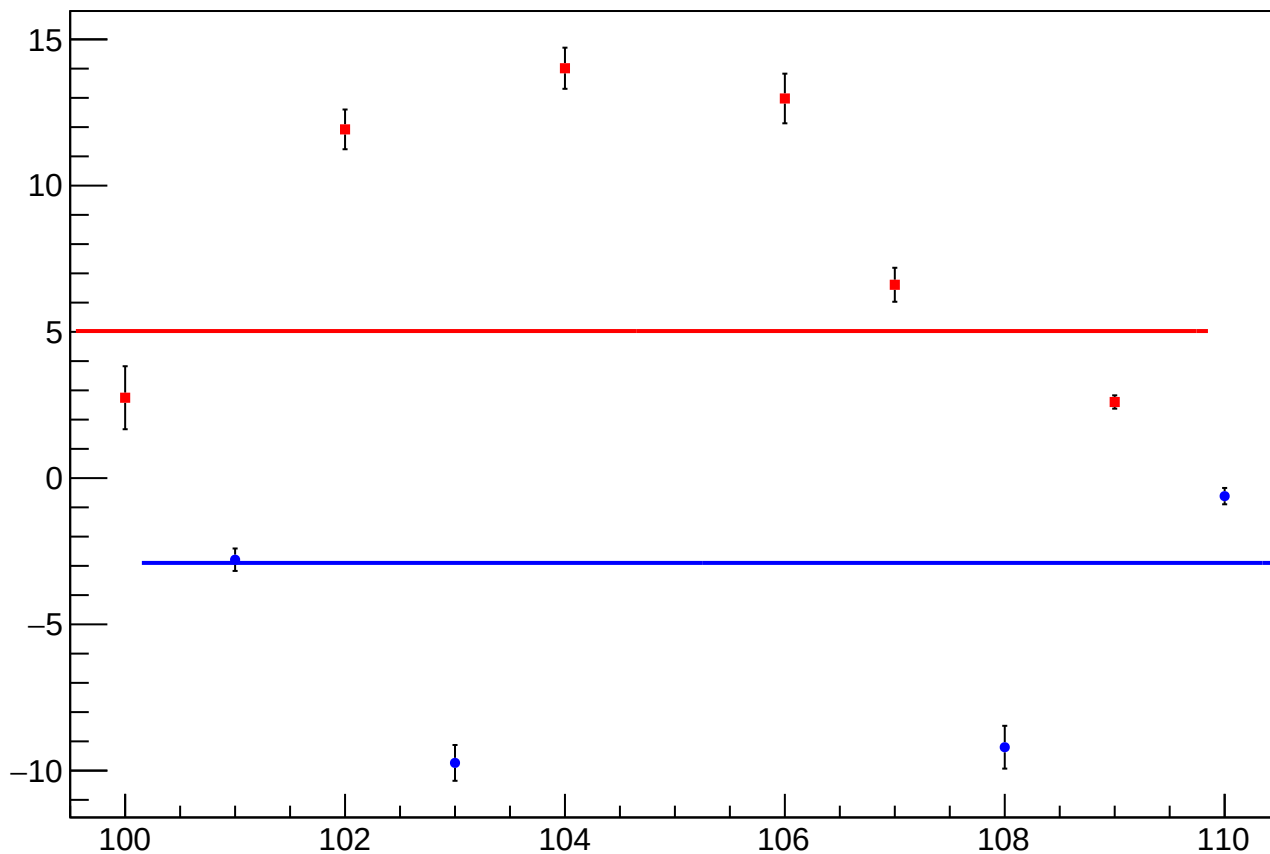
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.122 $\pm$ 0.124  $\chi^2$ /NDF: 119.9/3

0.399 $\pm$ 0.087  $\chi^2$ /NDF: 468.8/9

0.670 $\pm$ 0.122  $\chi^2$ /NDF: 339.0/5

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.899+/-0.203  $\chi^2/\text{NDF}$ : 265.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.028+/-0.187  $\chi^2/\text{NDF}$ : 479.6/5

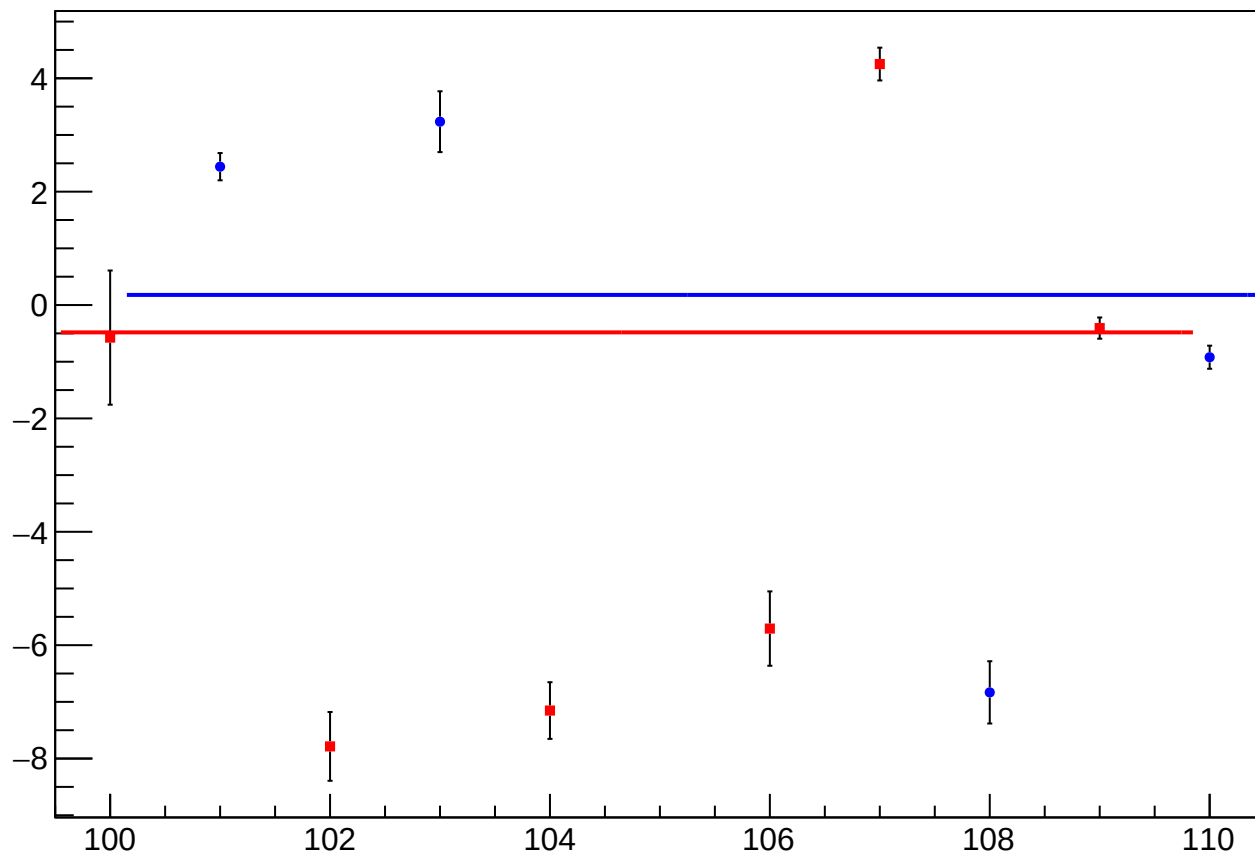
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.899+/-0.203  $\chi^2/\text{NDF}$ : 265.8/3

1.407+/-0.138  $\chi^2/\text{NDF}$ : 1569.8/9

5.028+/-0.187  $\chi^2/\text{NDF}$ : 479.6/5

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.179+/-0.144  $\chi^2/\text{NDF}$ : 312.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.482+/-0.141  $\chi^2/\text{NDF}$ : 654.4/5

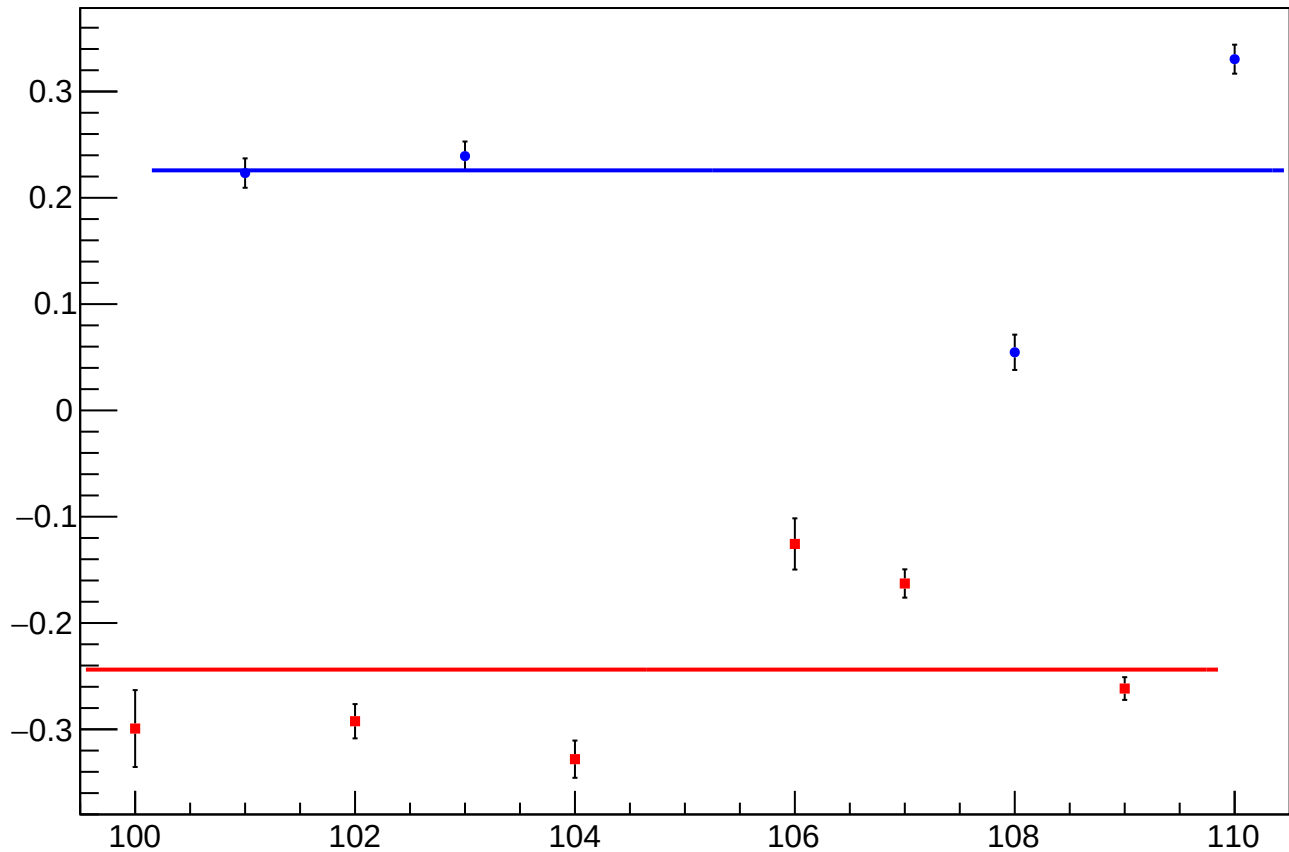
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.179+/-0.144  $\chi^2/\text{NDF}$ : 312.8/3

-0.159+/-0.101  $\chi^2/\text{NDF}$ : 978.0/9

-0.482+/-0.141  $\chi^2/\text{NDF}$ : 654.4/5

reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.226+/-0.007  $\chi^2/\text{NDF}$ : 166.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.244+/-0.006  $\chi^2/\text{NDF}$ : 98.4/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.226+/-0.007  $\chi^2/\text{NDF}$ : 166.0/3

-0.033+/-0.005  $\chi^2/\text{NDF}$ : 2639.7/9

-0.244+/-0.006  $\chi^2/\text{NDF}$ : 98.4/5