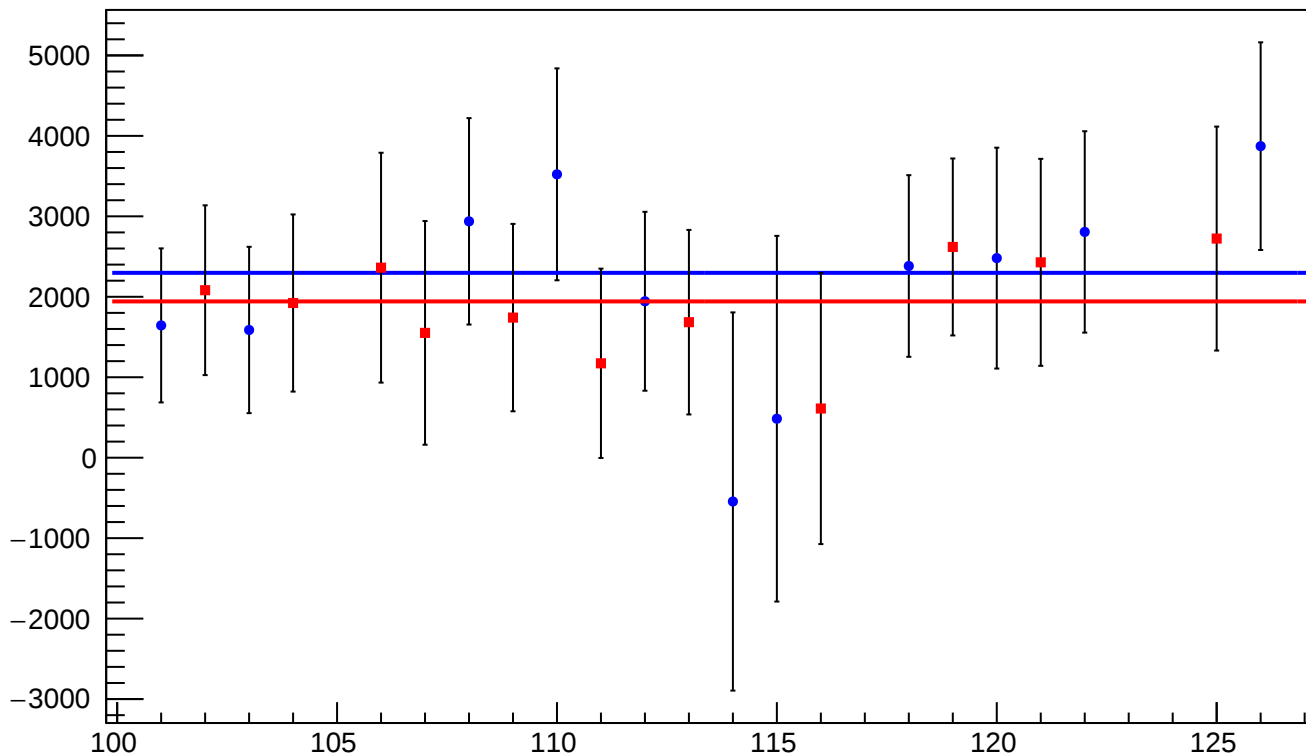


# dit\_asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 2297.683+/-379.339  $\chi^2/\text{NDF}$ : 5.9/10

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

Right Out: 1942.357+/-371.380  $\chi^2/\text{NDF}$ : 2.2/10

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

Left: 0.000+/-0.000

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

Right: 2116.253+/-265.374

$\chi^2/\text{NDF}$ : 8.5/21

In: 2297.683+/-379.339

$\chi^2/\text{NDF}$ : 5.9/10

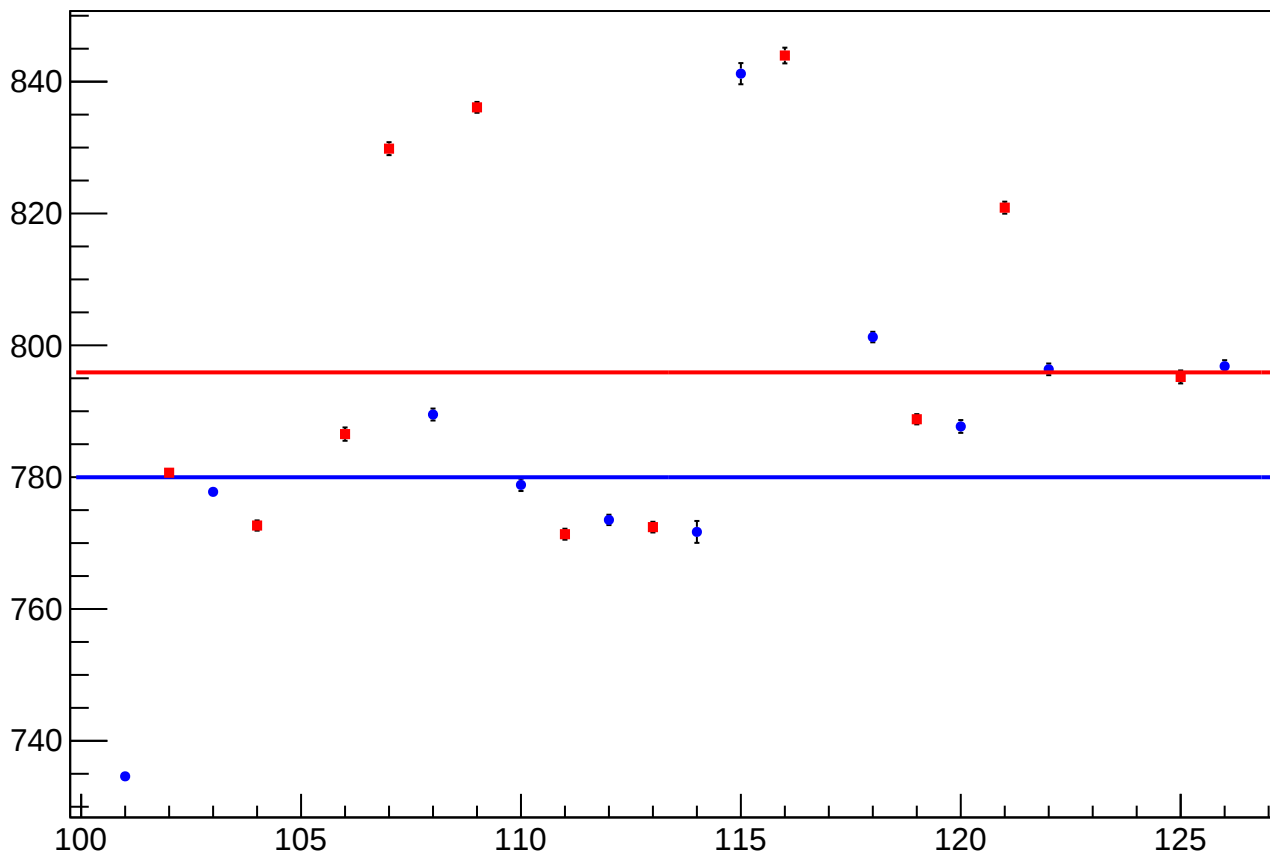
Out: 0.000+/-0.000

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

All: 2116.253+/-265.374

$\chi^2/\text{NDF}$ : 8.5/21

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



Right In: 779.987 $\pm$ 0.268  $\chi^2$ /NDF: 7613.2/10

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

Right Out: 795.895 $\pm$ 0.263  $\chi^2$ /NDF: 9143.9/10

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

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

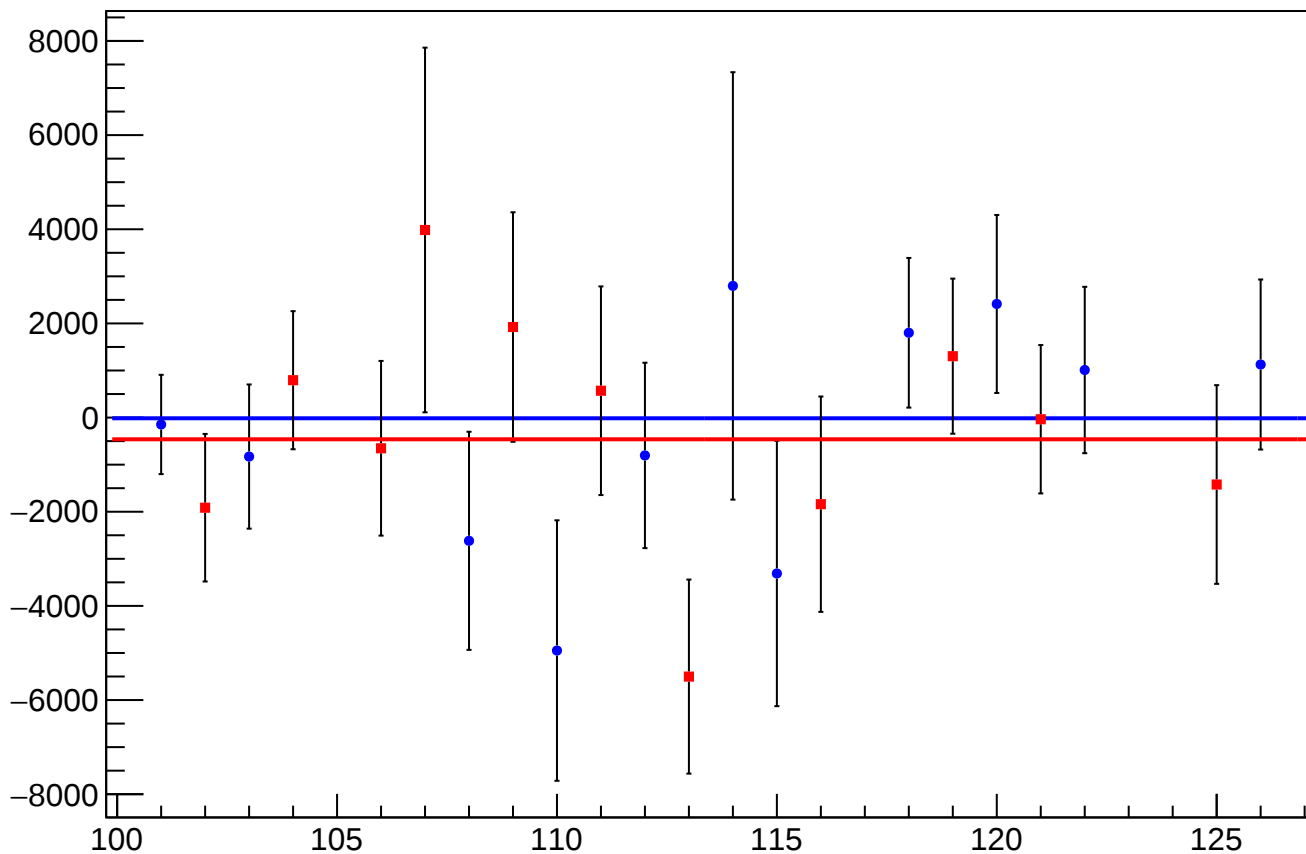
Right: 788.109 $\pm$ 0.188  $\chi^2$ /NDF: 18553.1/21

In: 779.987 $\pm$ 0.268  $\chi^2$ /NDF: 7613.2/10

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

All: 788.109 $\pm$ 0.188  $\chi^2$ /NDF: 18553.1/21

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



Right In: -14.929+/-544.140  $\chi^2/\text{NDF}$ : 10.3/10

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

Right Out: -461.034+/-575.086  $\chi^2/\text{NDF}$ : 11.9/10

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

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

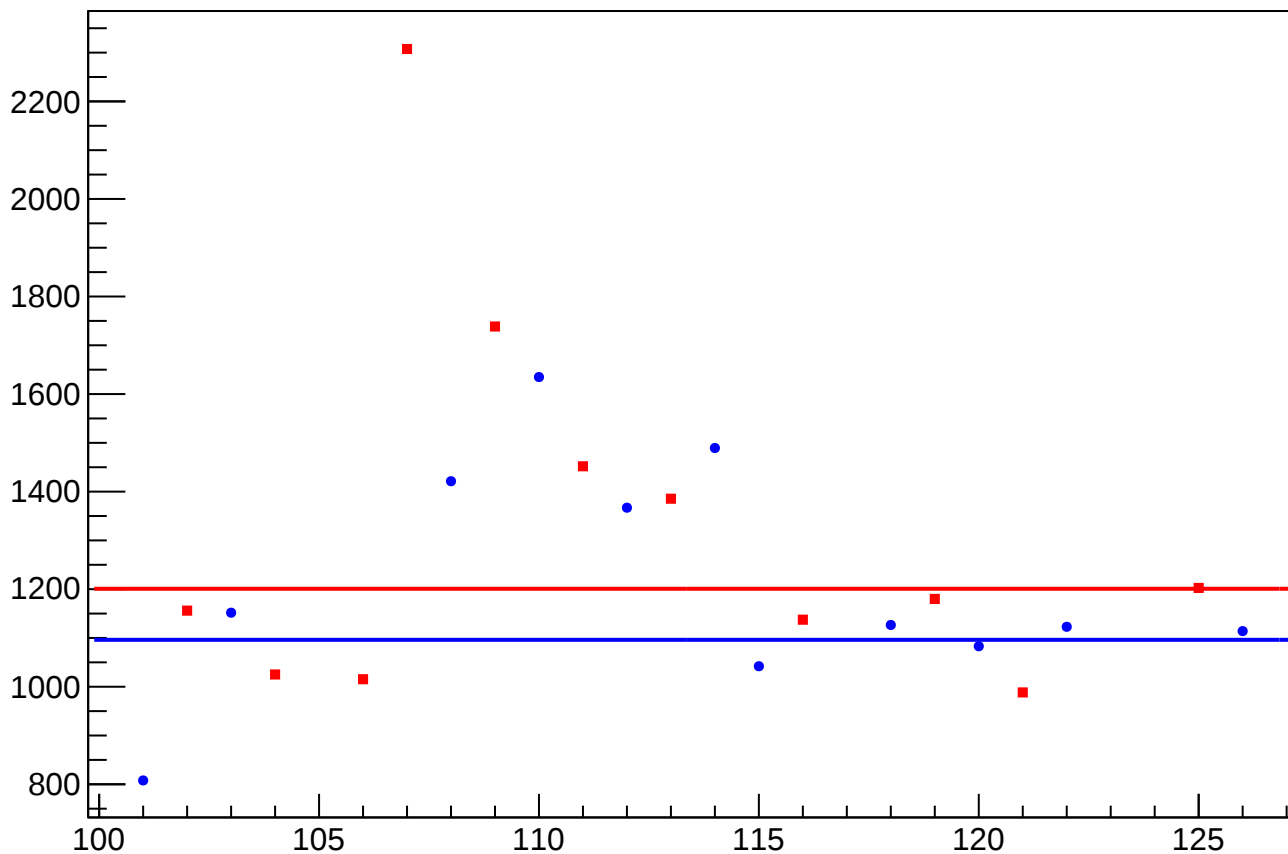
Right: -225.656+/-395.252  $\chi^2/\text{NDF}$ : 22.5/21

In: -14.929+/-544.140  $\chi^2/\text{NDF}$ : 10.3/10

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

All: -225.656+/-395.252  $\chi^2/\text{NDF}$ : 22.5/21

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



Right In: 1096.190+/-0.385  $\chi^2/\text{NDF}$ : 322382.4/10

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

Right Out: 1200.847+/-0.407  $\chi^2/\text{NDF}$ : 390880.0/10

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

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

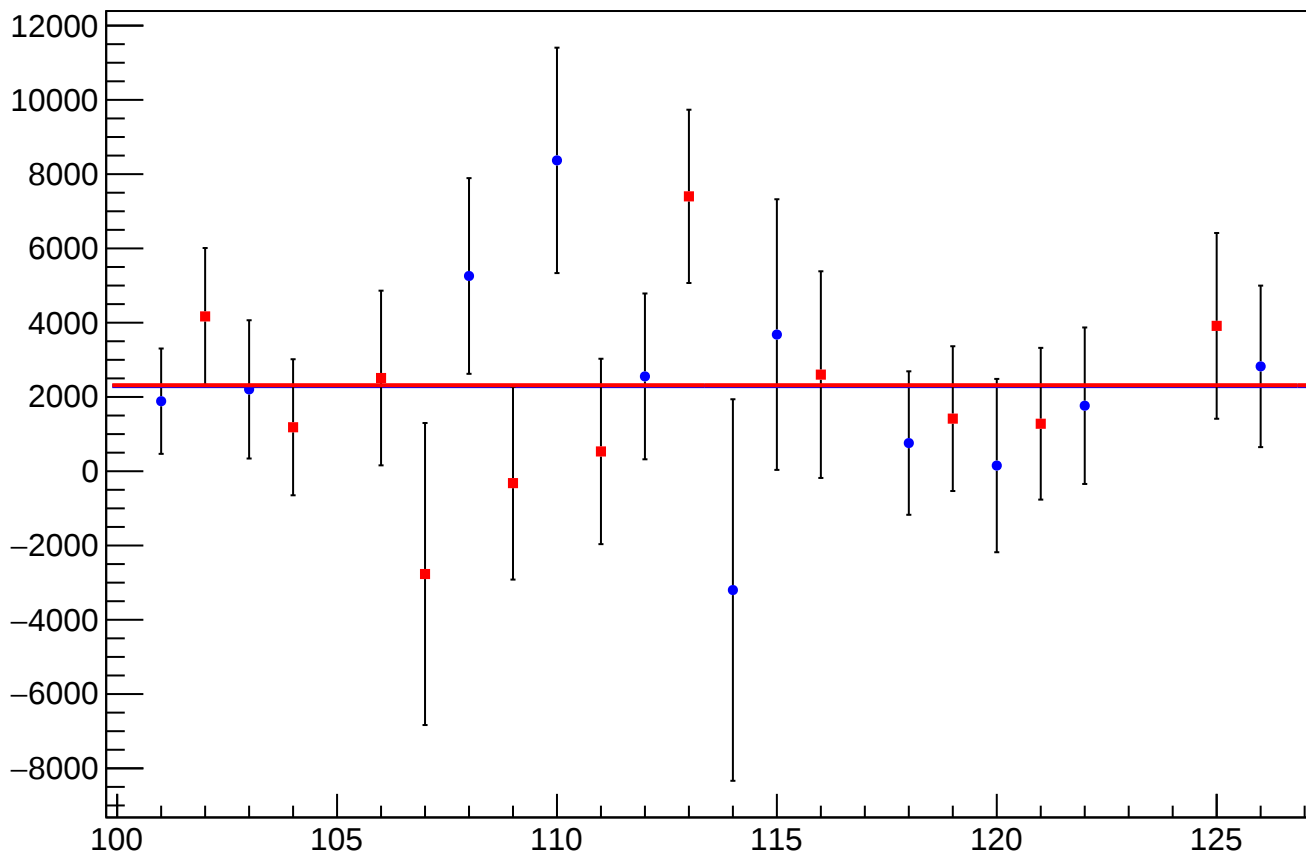
Right: 1145.627+/-0.279  $\chi^2/\text{NDF}$ : 748210.9/21

In: 1096.190+/-0.385  $\chi^2/\text{NDF}$ : 322382.4/10

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

All: 1145.627+/-0.279  $\chi^2/\text{NDF}$ : 748210.9/21

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



Right In: 2291.656+/-668.100  $\chi^2/\text{NDF}$ : 8.3/10

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

Right Out: 2316.690+/-687.093  $\chi^2/\text{NDF}$ : 10.1/10

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

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

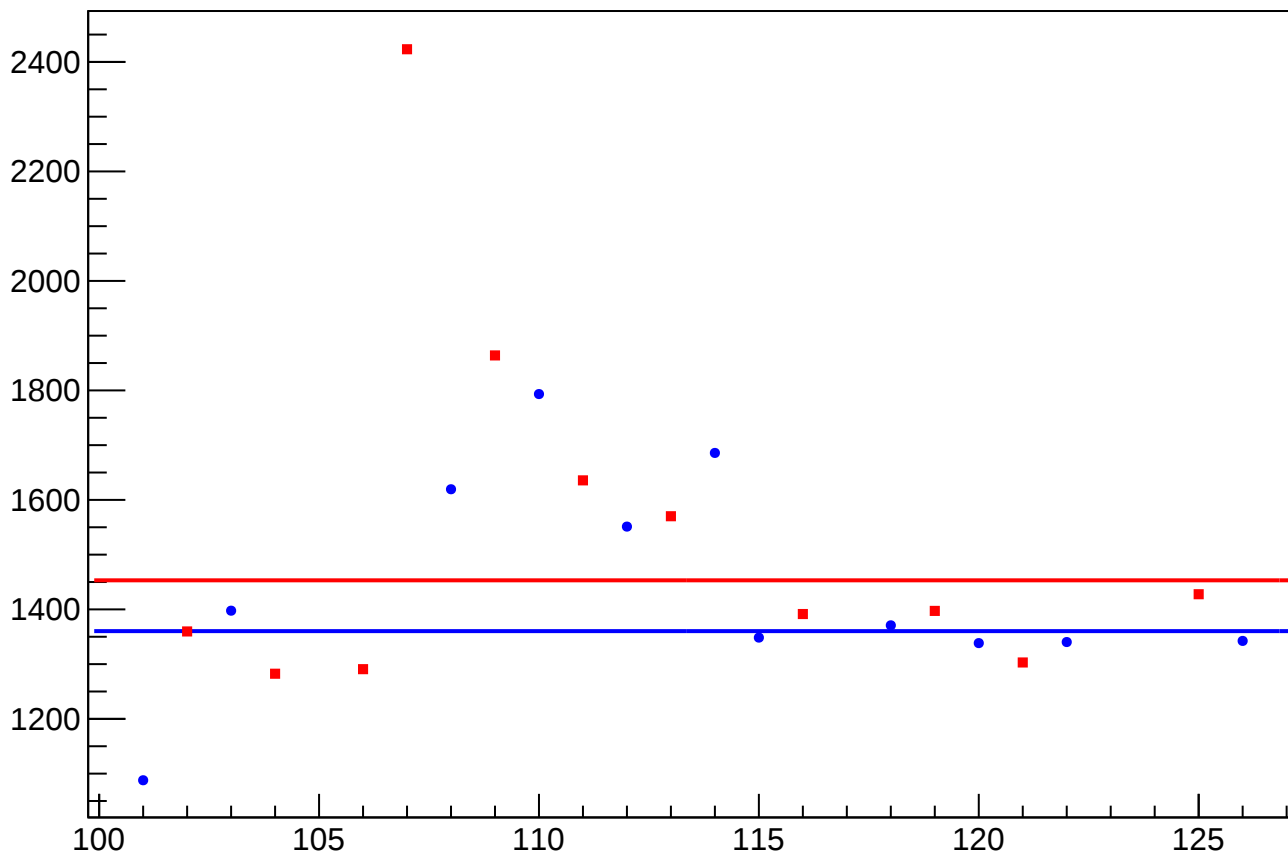
Right: 2303.822+/-478.992  $\chi^2/\text{NDF}$ : 18.4/21

In: 2291.656+/-668.100  $\chi^2/\text{NDF}$ : 8.3/10

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

All: 2303.822+/-478.992  $\chi^2/\text{NDF}$ : 18.4/21

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



Right In: 1360.294+/-0.472  $\chi^2/\text{NDF}$ : 157877.6/10

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

Right Out: 1453.087+/-0.486  $\chi^2/\text{NDF}$ : 225220.1/10

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

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

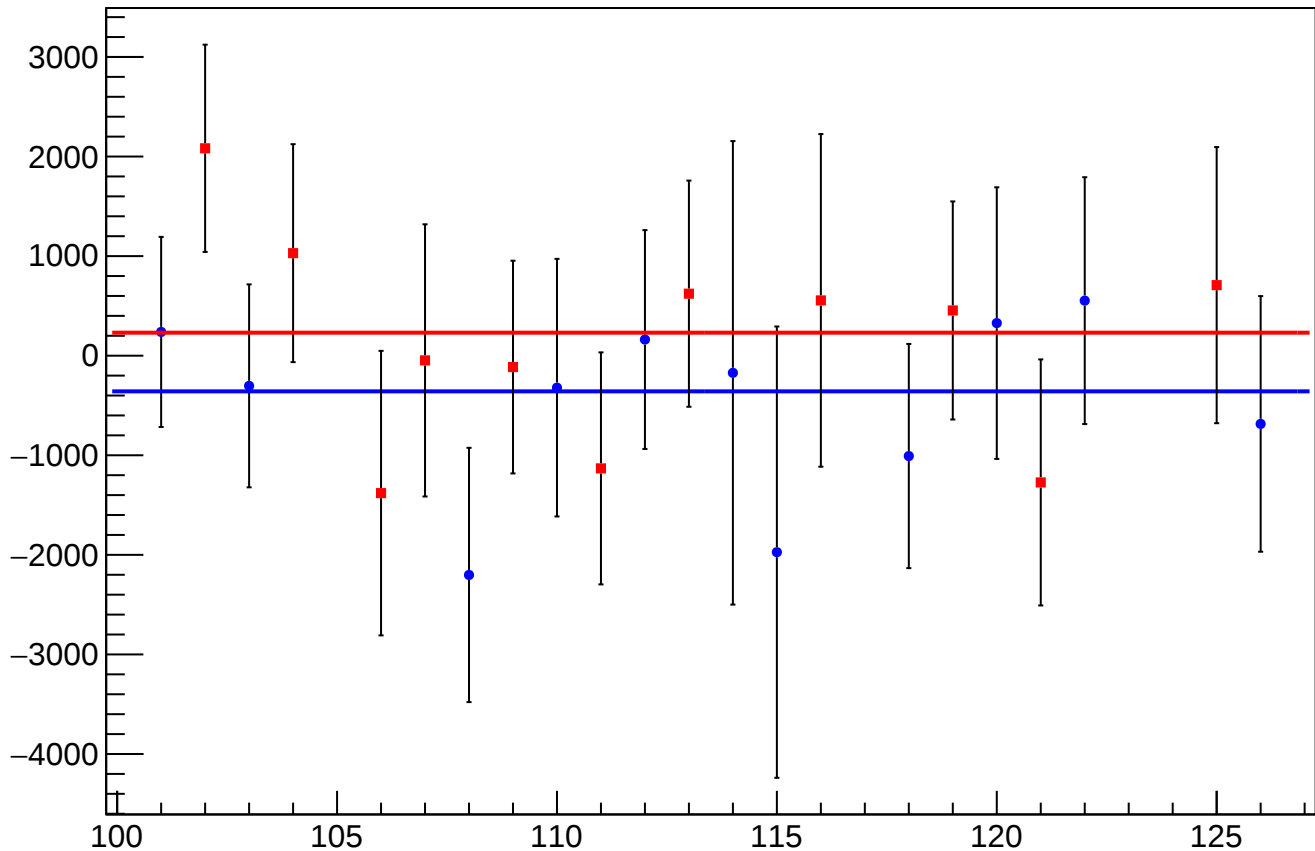
Right: 1405.390+/-0.339  $\chi^2/\text{NDF}$ : 401847.9/21

In: 1360.294+/-0.472  $\chi^2/\text{NDF}$ : 157877.6/10

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

All: 1405.390+/-0.339  $\chi^2/\text{NDF}$ : 401847.9/21

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



Right In: -358.087+/-376.236  $\chi^2/\text{NDF}$ : 4.4/10

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

Right Out: 231.173+/-364.176  $\chi^2/\text{NDF}$ : 8.3/10

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

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

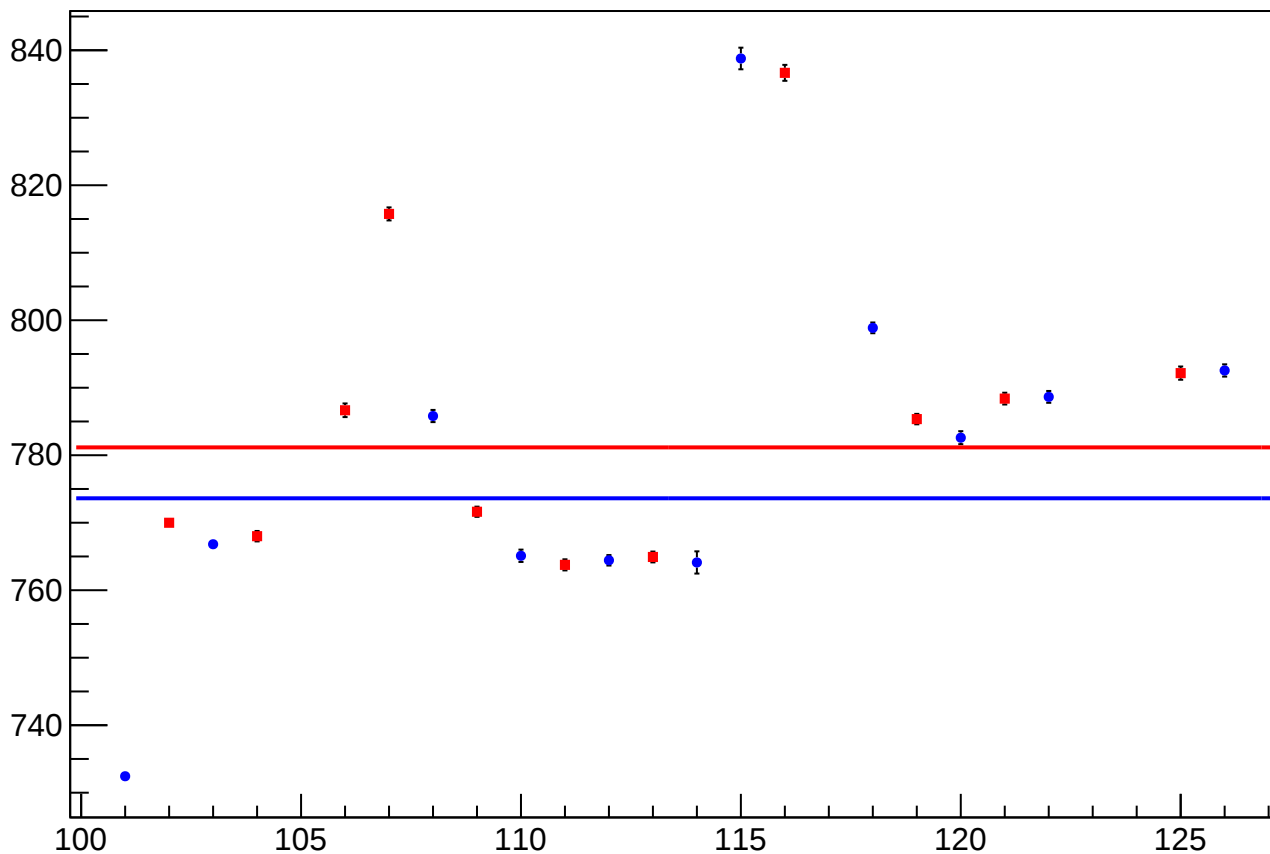
Right: -53.861+/-261.671  $\chi^2/\text{NDF}$ : 14.0/21

In: -358.087+/-376.236  $\chi^2/\text{NDF}$ : 4.4/10

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

All: -53.861+/-261.671  $\chi^2/\text{NDF}$ : 14.0/21

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



Right In: 773.619+/-0.266  $\chi^2/\text{NDF}$ : 7730.5/10

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

Right Out: 781.161+/-0.258  $\chi^2/\text{NDF}$ : 5275.9/10

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

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

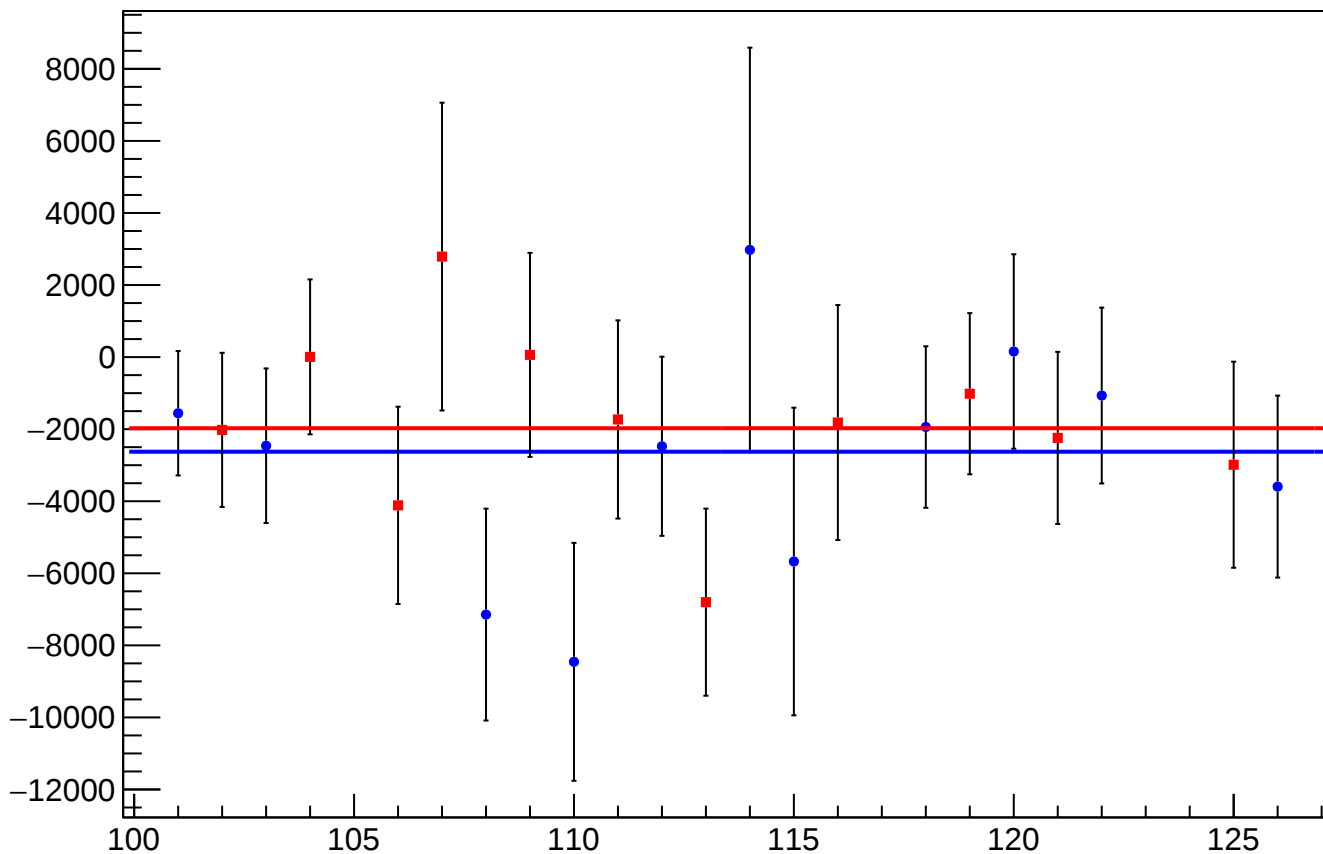
Right: 777.513+/-0.185  $\chi^2/\text{NDF}$ : 13421.4/21

In: 773.619+/-0.266  $\chi^2/\text{NDF}$ : 7730.5/10

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

All: 777.513+/-0.185  $\chi^2/\text{NDF}$ : 13421.4/21

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



Right In: -2626.001+/-773.837  $\chi^2/\text{NDF}$ : 9.1/10

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

Right Out: -1974.213+/-785.705  $\chi^2/\text{NDF}$ : 7.0/10

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

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

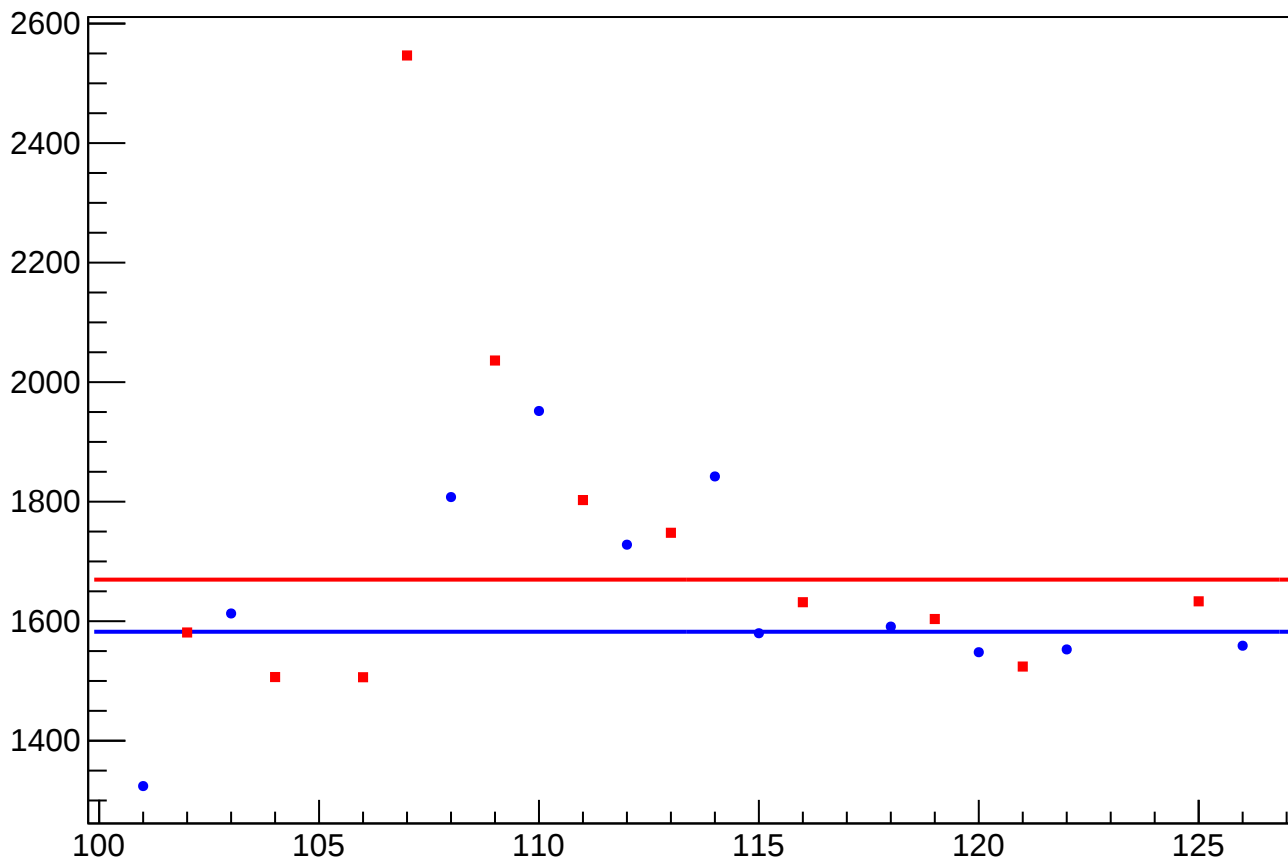
Right: -2305.067+/-551.333  $\chi^2/\text{NDF}$ : 16.5/21

In: -2626.001+/-773.837  $\chi^2/\text{NDF}$ : 9.1/10

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

All: -2305.067+/-551.333  $\chi^2/\text{NDF}$ : 16.5/21

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



Right In: 1582.346+/-0.547  $\chi^2/\text{NDF}$ : 93940.4/10

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

Right Out: 1669.571+/-0.556  $\chi^2/\text{NDF}$ : 156155.4/10

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

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

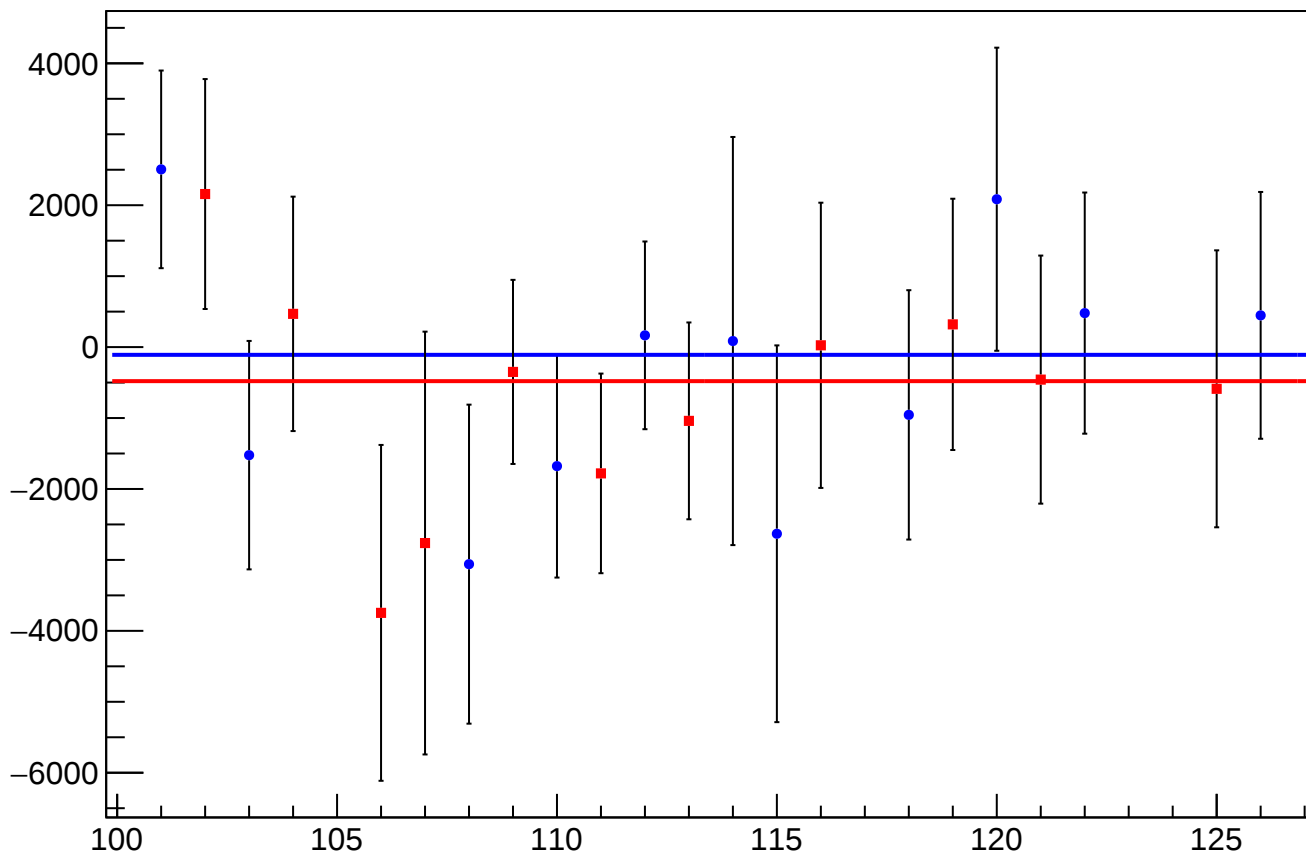
Right: 1625.295+/-0.390  $\chi^2/\text{NDF}$ : 262607.7/21

In: 1582.346+/-0.547  $\chi^2/\text{NDF}$ : 93940.4/10

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

All: 1625.295+/-0.390  $\chi^2/\text{NDF}$ : 262607.7/21

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



Right In: -109.162+/-530.193  $\chi^2/\text{NDF}$ : 9.5/10

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

Right Out: -479.959+/-512.136  $\chi^2/\text{NDF}$ : 6.8/10

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

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

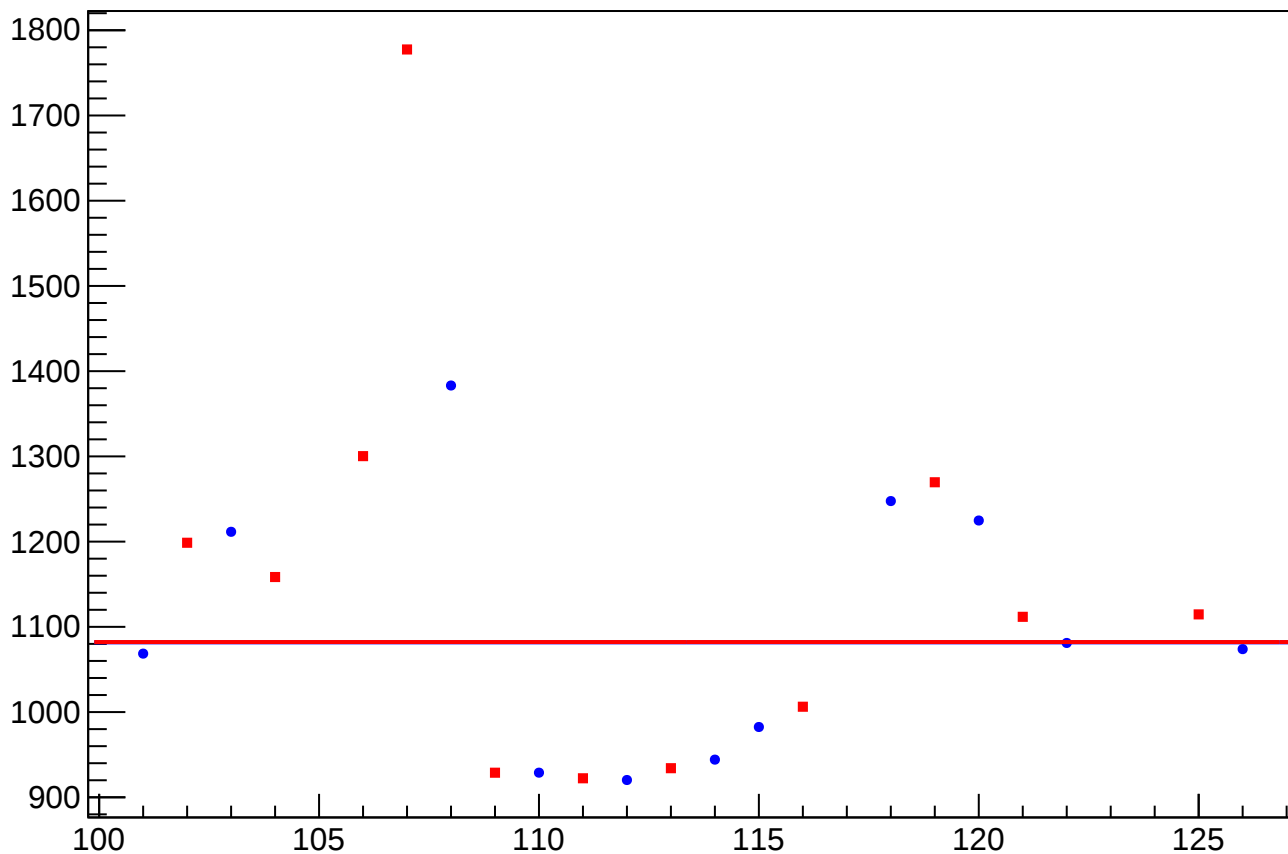
Right: -300.982+/-368.353  $\chi^2/\text{NDF}$ : 16.5/21

In: -109.162+/-530.193  $\chi^2/\text{NDF}$ : 9.5/10

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

All: -300.982+/-368.353  $\chi^2/\text{NDF}$ : 16.5/21

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



Right In: 1081.819+/-0.375  $\chi^2/\text{NDF}$ : 132001.7/10

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

Right Out: 1082.166+/-0.362  $\chi^2/\text{NDF}$ : 243358.6/10

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

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

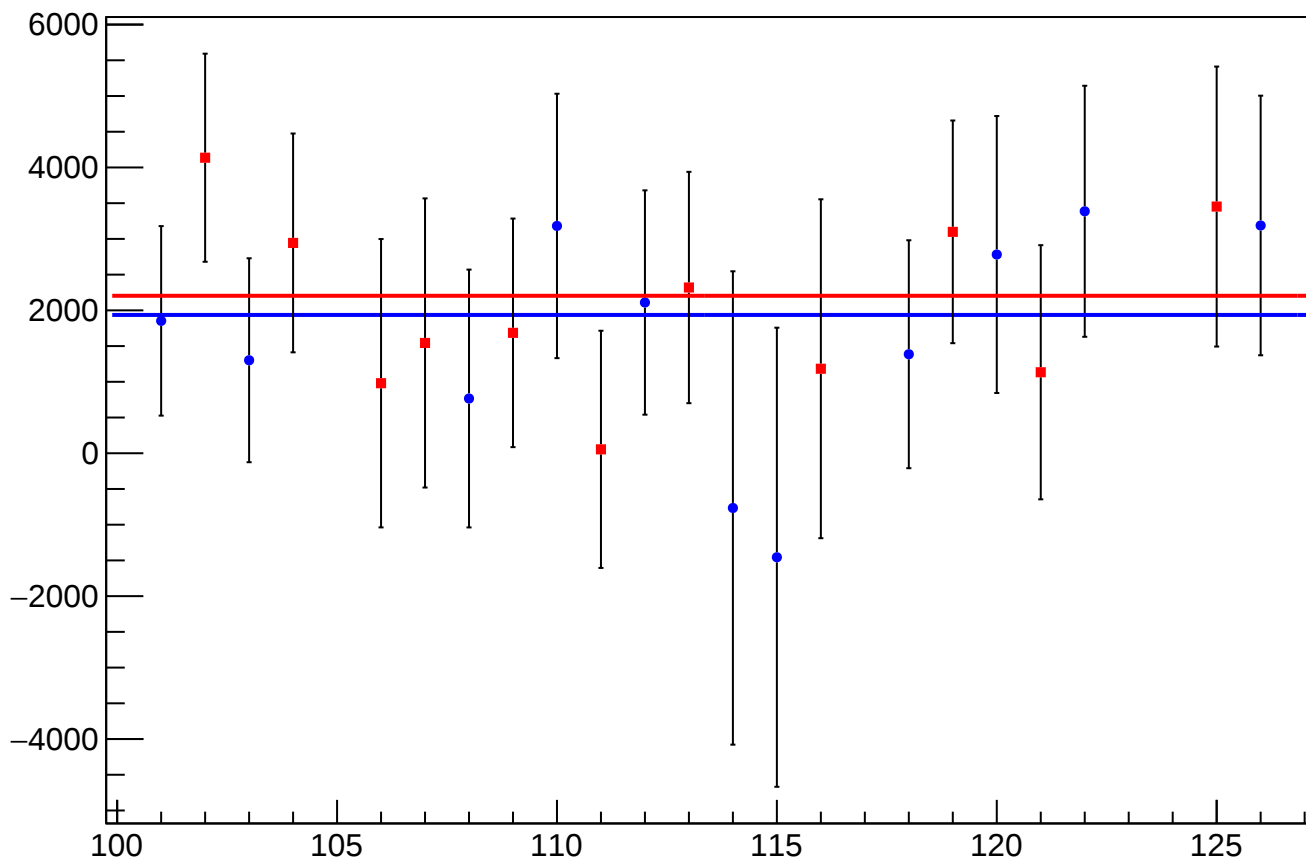
Right: 1081.999+/-0.260  $\chi^2/\text{NDF}$ : 375360.7/21

In: 1081.819+/-0.375  $\chi^2/\text{NDF}$ : 132001.7/10

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

All: 1081.999+/-0.260  $\chi^2/\text{NDF}$ : 375360.7/21

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



Right In: 1935.913+/-531.604  $\chi^2/\text{NDF}$ : 4.3/10

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

Right Out: 2203.989+/-520.637  $\chi^2/\text{NDF}$ : 5.5/10

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

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

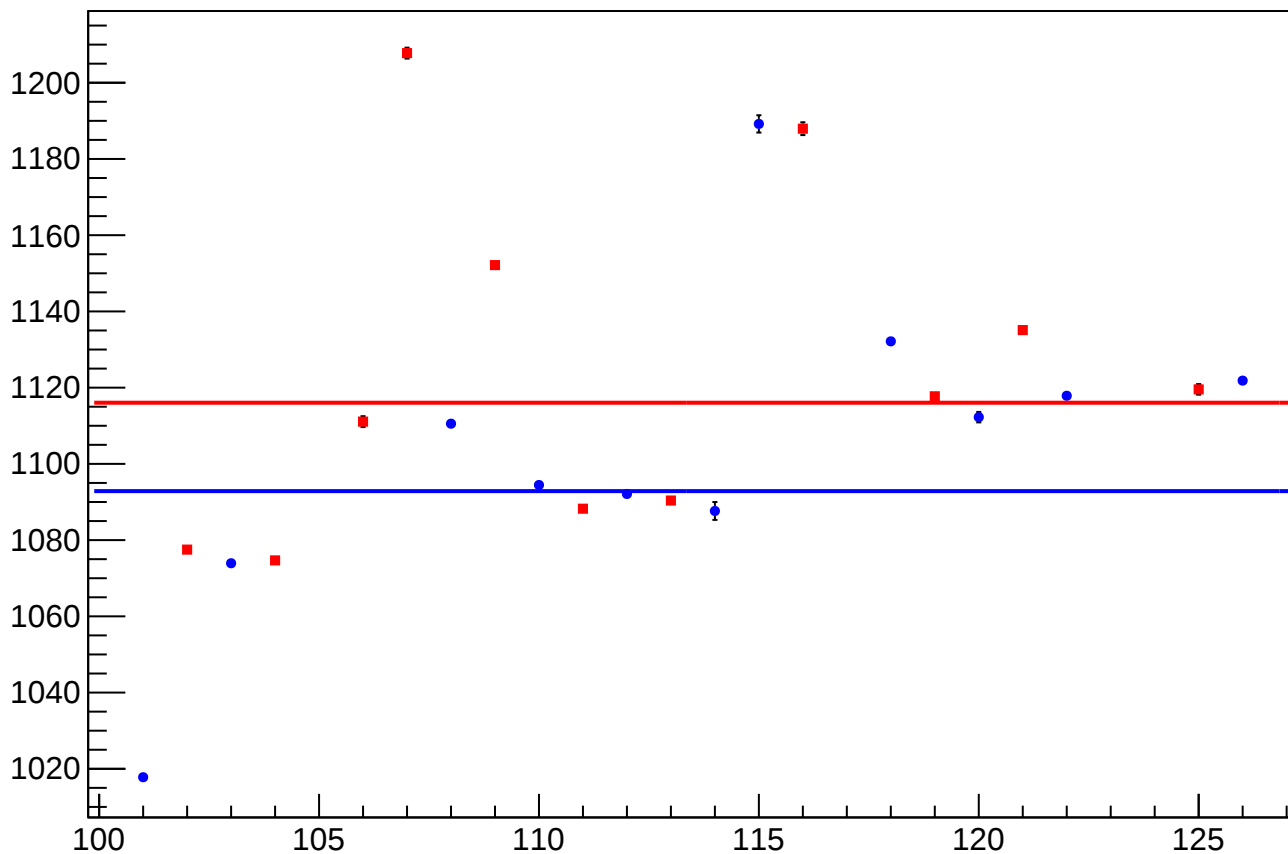
Right: 2072.745+/-371.963  $\chi^2/\text{NDF}$ : 10.0/21

In: 1935.913+/-531.604  $\chi^2/\text{NDF}$ : 4.3/10

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

All: 2072.745+/-371.963  $\chi^2/\text{NDF}$ : 10.0/21

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



Right In: 1092.855+/-0.376  $\chi^2/\text{NDF}$ : 11083.6/10

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

Right Out: 1116.050+/-0.368  $\chi^2/\text{NDF}$ : 11140.4/10

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

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

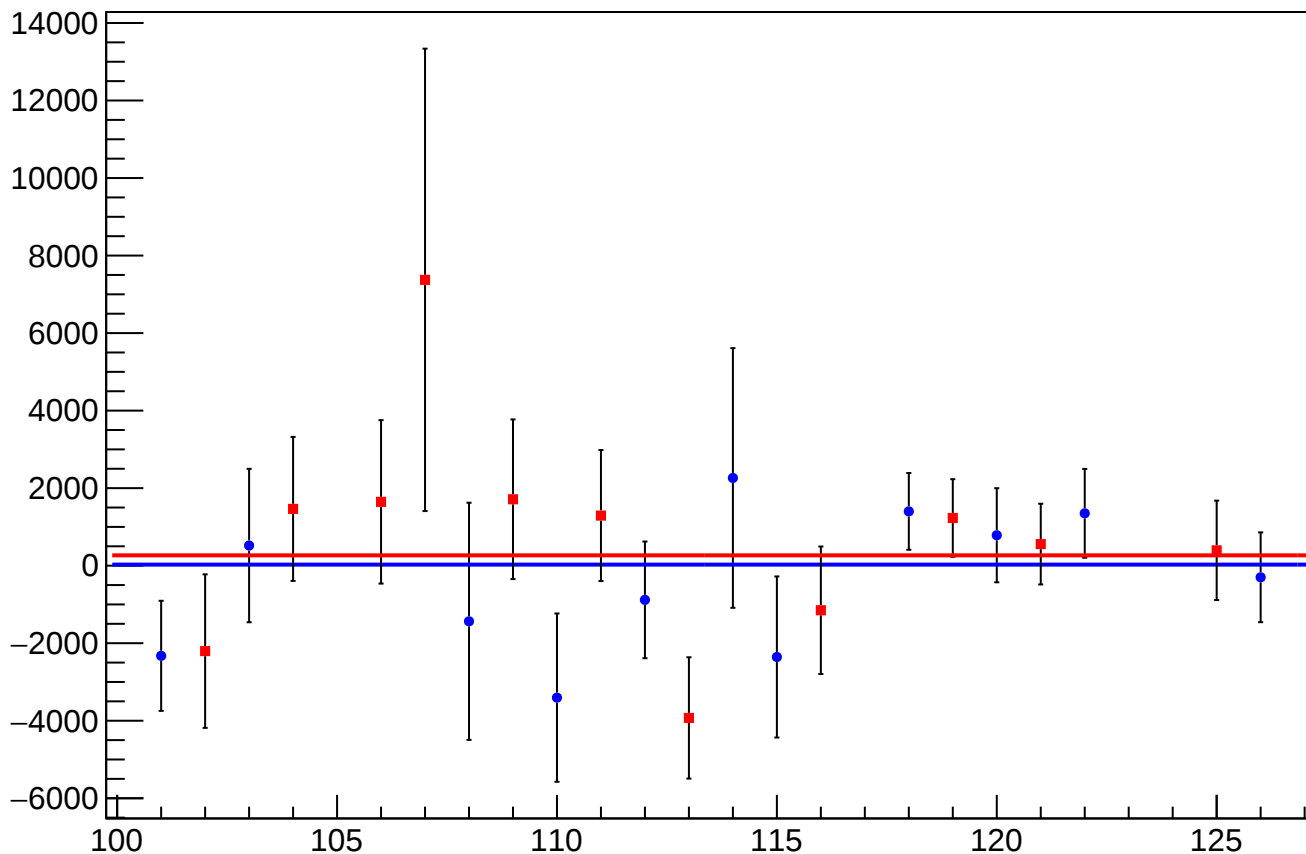
Right: 1104.694+/-0.263  $\chi^2/\text{NDF}$ : 24167.6/21

In: 1092.855+/-0.376  $\chi^2/\text{NDF}$ : 11083.6/10

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

All: 1104.694+/-0.263  $\chi^2/\text{NDF}$ : 24167.6/21

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



Right In: 27.548+/-445.445  $\chi^2/\text{NDF}$ : 11.4/10

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

Right Out: 266.464+/-461.732  $\chi^2/\text{NDF}$ : 13.6/10

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

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

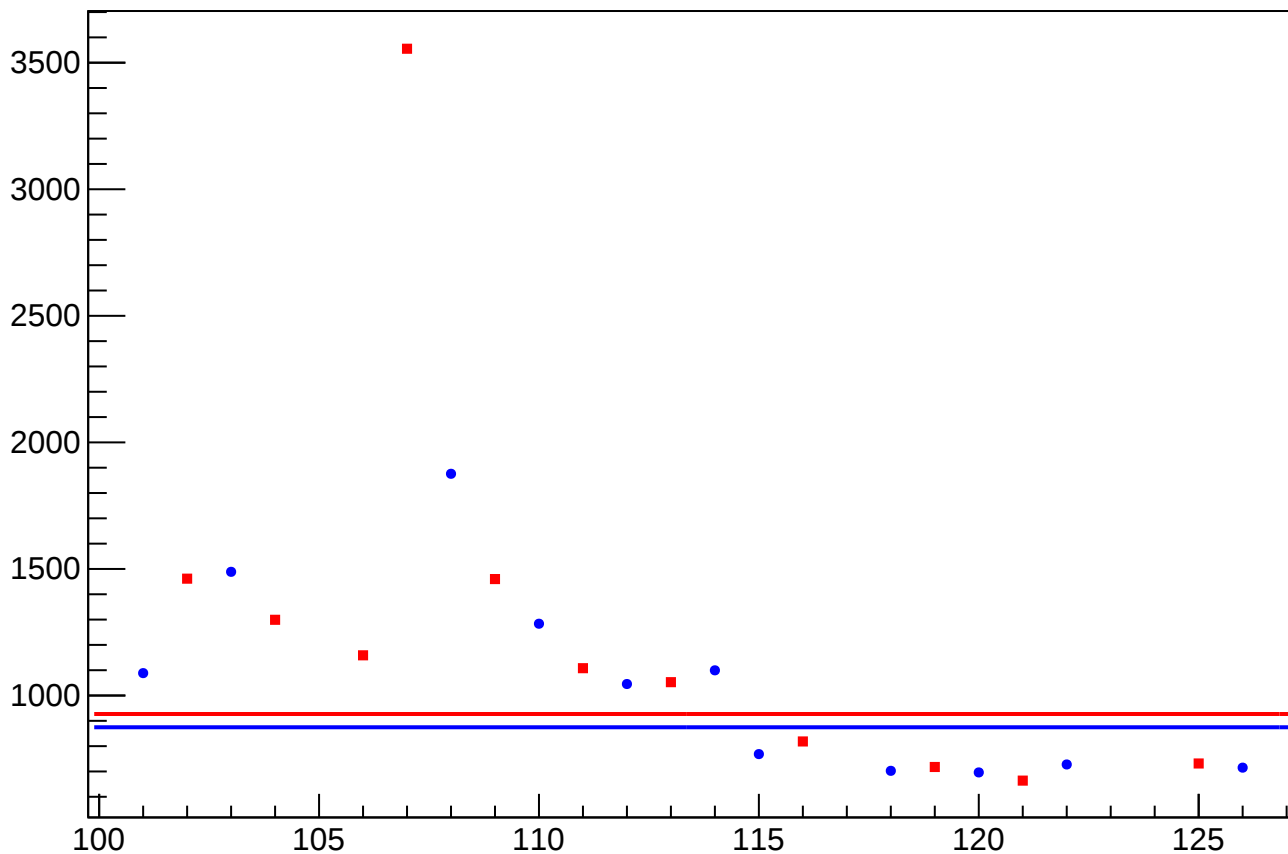
Right: 142.718+/-320.580  $\chi^2/\text{NDF}$ : 25.1/21

In: 27.548+/-445.445  $\chi^2/\text{NDF}$ : 11.4/10

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

All: 142.718+/-320.580  $\chi^2/\text{NDF}$ : 25.1/21

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



Right In: 874.602+/-0.315  $\chi^2/\text{NDF}$ : 737852.6/10

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

Right Out: 927.008+/-0.326  $\chi^2/\text{NDF}$ : 1078828.5/10

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

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

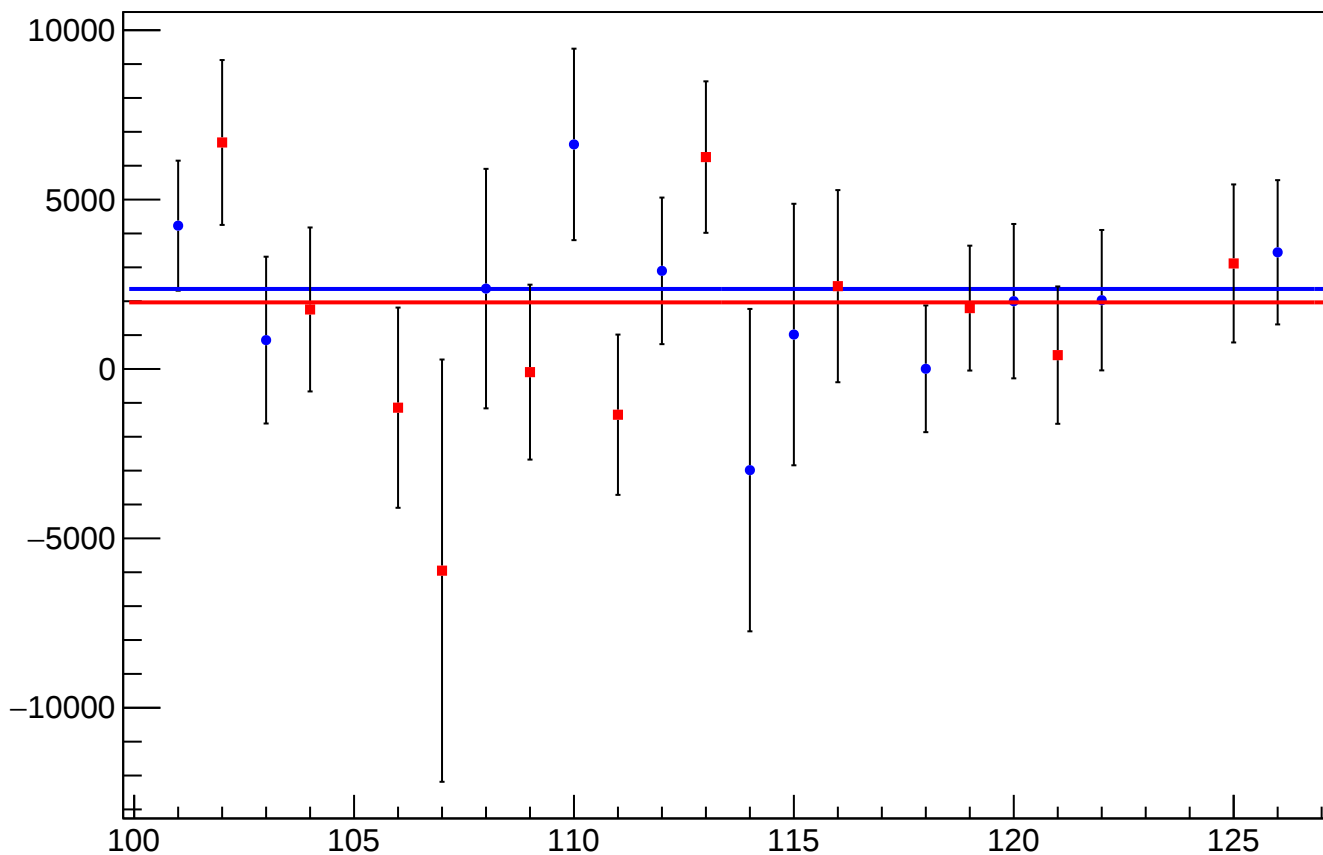
Right: 899.864+/-0.227  $\chi^2/\text{NDF}$ : 1830025.2/21

In: 874.602+/-0.315  $\chi^2/\text{NDF}$ : 737852.6/10

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

All: 899.864+/-0.227  $\chi^2/\text{NDF}$ : 1830025.2/21

# asym\_usl\_mean vs Slug, Sign Corrected



Right In: 2362.171+/-725.716  $\chi^2/\text{NDF}$ : 6.9/10

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

Right Out: 1966.071+/-734.293  $\chi^2/\text{NDF}$ : 13.6/10

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

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

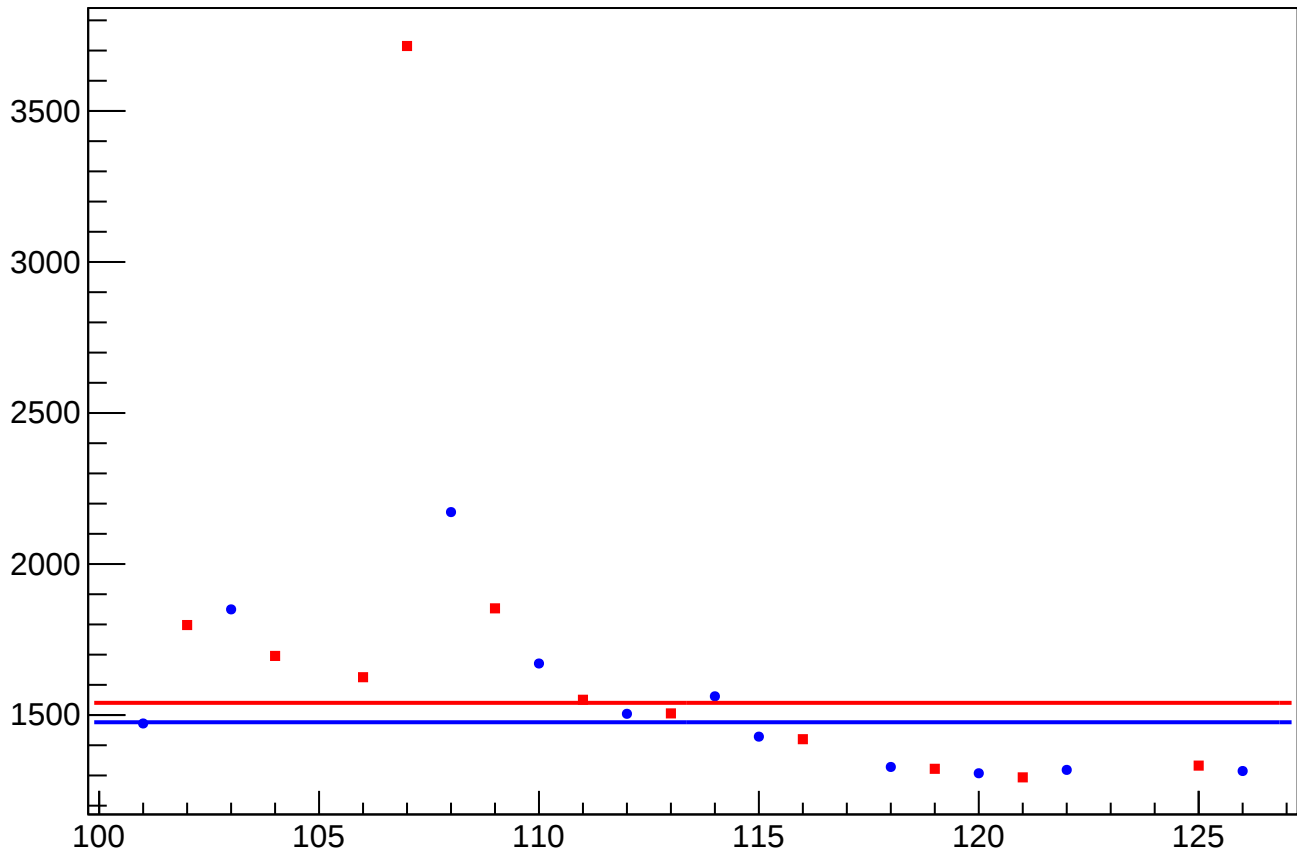
Right: 2166.448+/-516.164  $\chi^2/\text{NDF}$ : 20.7/21

In: 2362.171+/-725.716  $\chi^2/\text{NDF}$ : 6.9/10

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

All: 2166.448+/-516.164  $\chi^2/\text{NDF}$ : 20.7/21

# asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1476.183+/-0.513  $\chi^2/\text{NDF}$ : 180946.2/10

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

Right Out: 1540.435+/-0.519  $\chi^2/\text{NDF}$ : 382906.3/10

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

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

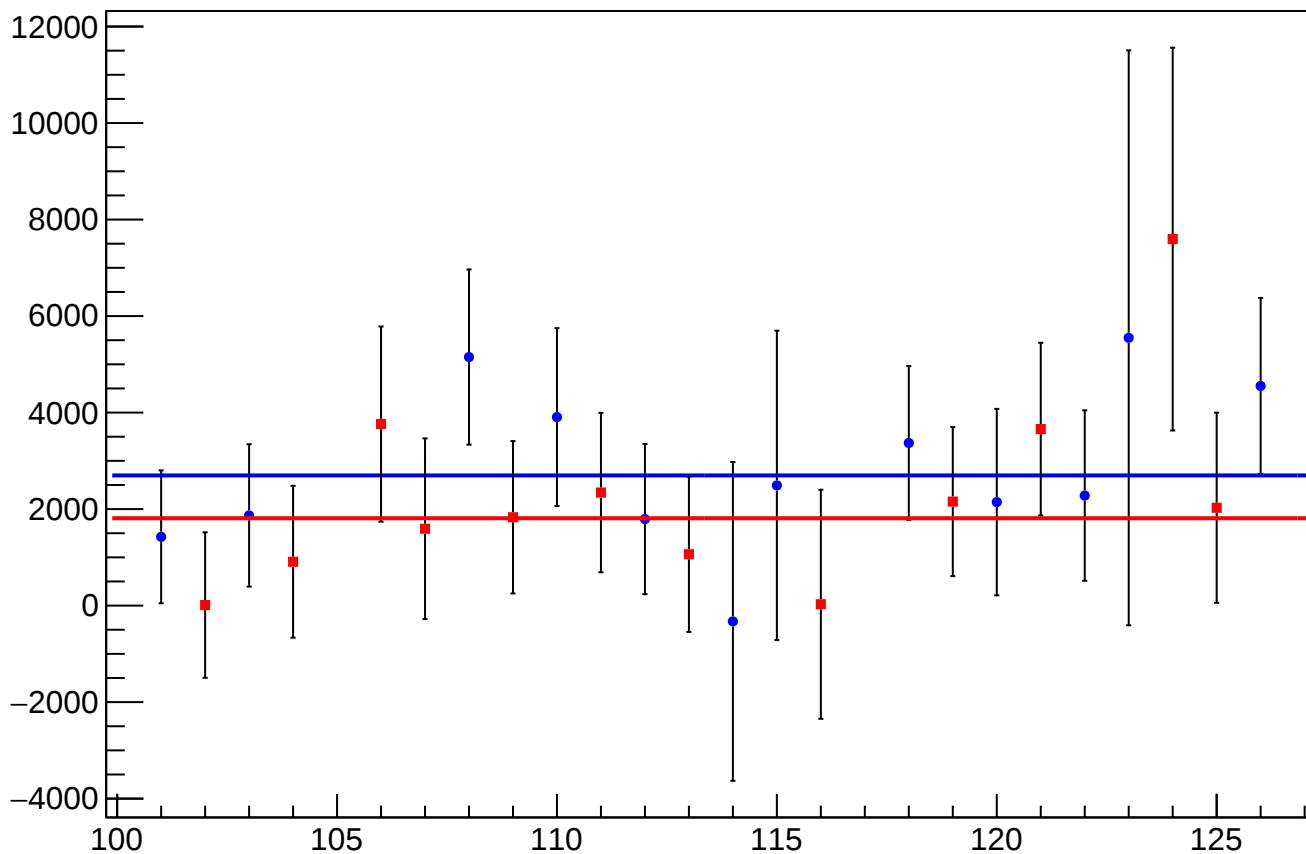
Right: 1507.932+/-0.365  $\chi^2/\text{NDF}$ : 571599.0/21

In: 1476.183+/-0.513  $\chi^2/\text{NDF}$ : 180946.2/10

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

All: 1507.932+/-0.365  $\chi^2/\text{NDF}$ : 571599.0/21

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



Right In: 2697.624+/-534.647  $\chi^2/\text{NDF}$ : 6.2/11

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

Right Out: 1811.253+/-515.837  $\chi^2/\text{NDF}$ : 6.8/11

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

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

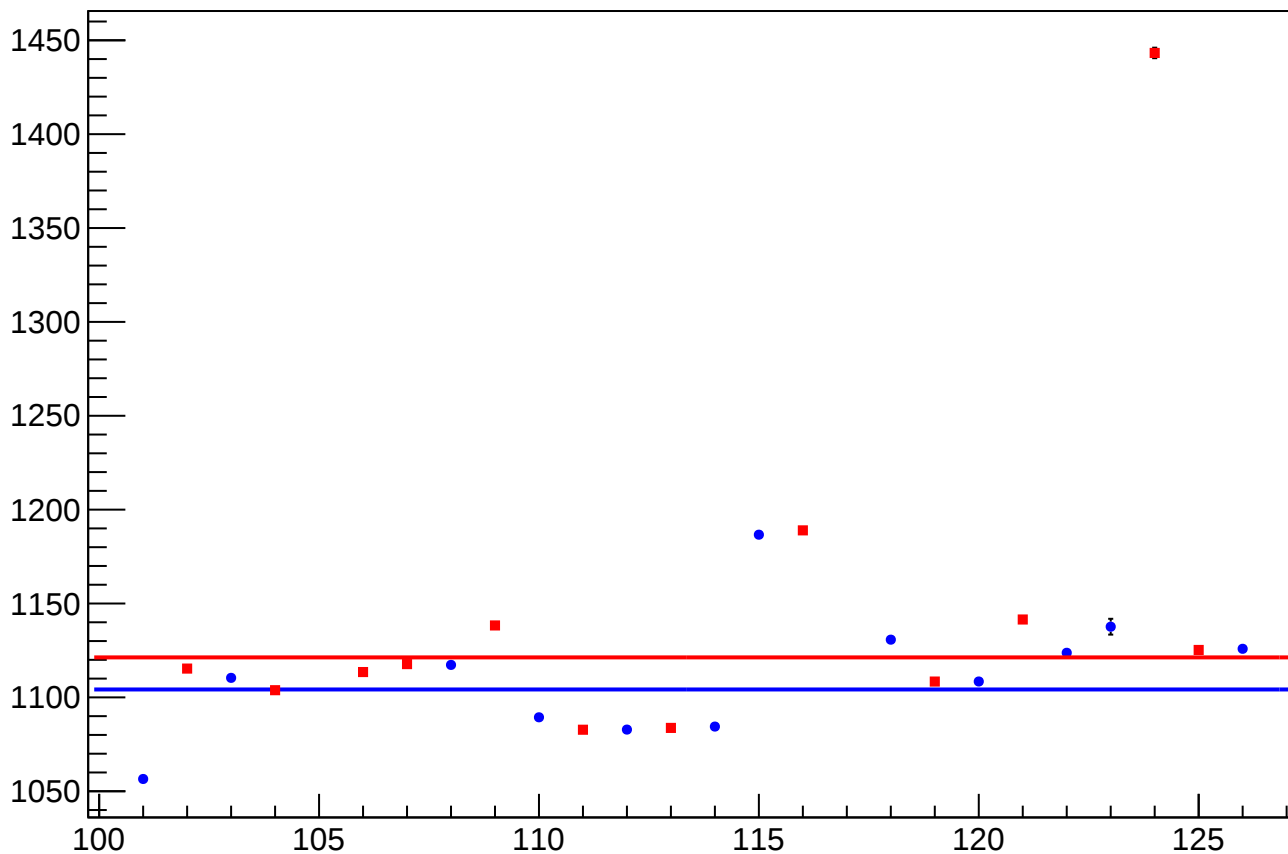
Right: 2238.572+/-371.224  $\chi^2/\text{NDF}$ : 14.4/23

In: 2697.624+/-534.647  $\chi^2/\text{NDF}$ : 6.2/11

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

All: 2238.572+/-371.224  $\chi^2/\text{NDF}$ : 14.4/23

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



Right In: 1104.213+/-0.378  $\chi^2/\text{NDF}$ : 5591.8/11

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

Right Out: 1121.298+/-0.365  $\chi^2/\text{NDF}$ : 17930.8/11

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

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

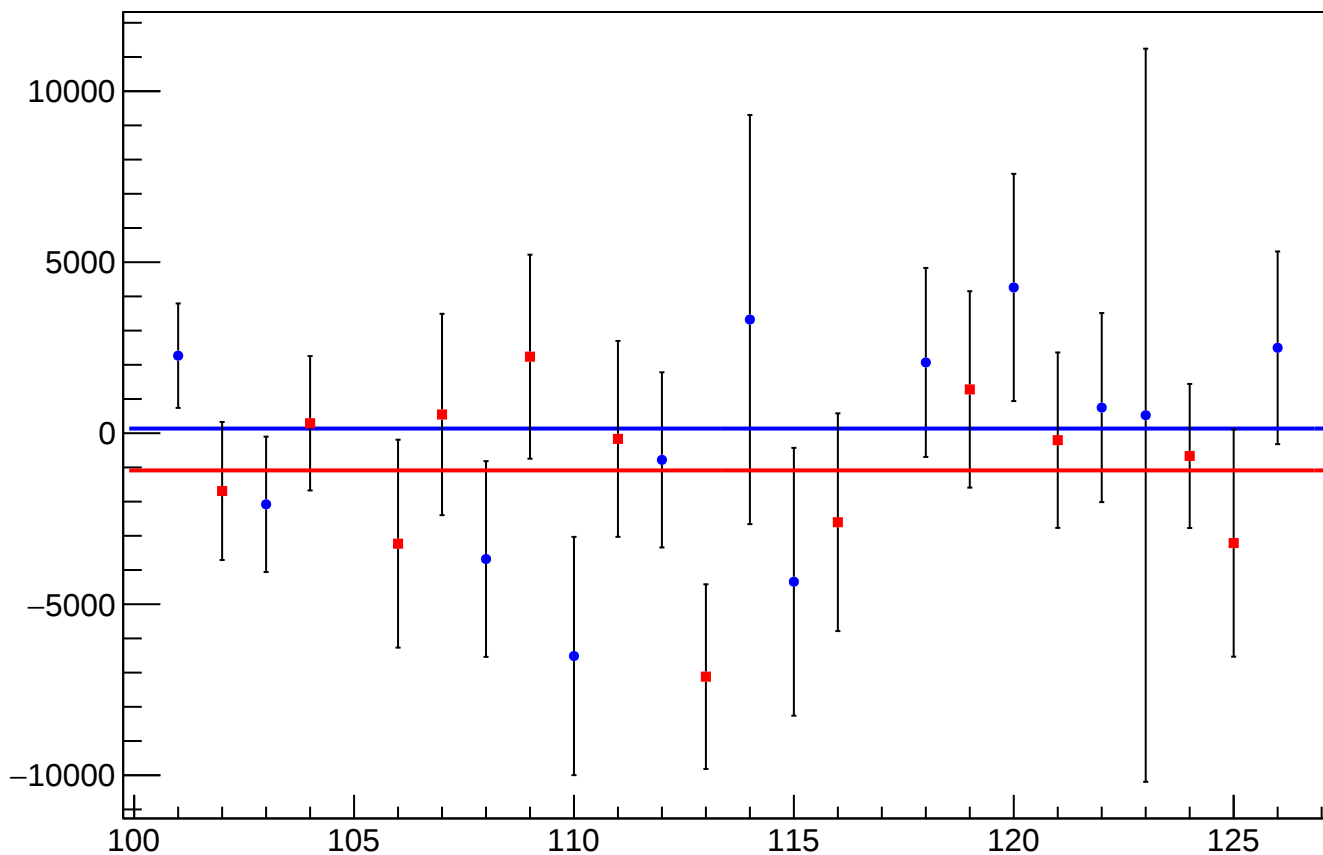
Right: 1113.061+/-0.262  $\chi^2/\text{NDF}$ : 24580.3/23

In: 1104.213+/-0.378  $\chi^2/\text{NDF}$ : 5591.8/11

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

All: 1113.061+/-0.262  $\chi^2/\text{NDF}$ : 24580.3/23

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



Right In: 136.499+/-785.258  $\chi^2/\text{NDF}$ : 13.1/11

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

Right Out: -1087.577+/-747.879  $\chi^2/\text{NDF}$ : 9.2/11

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

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

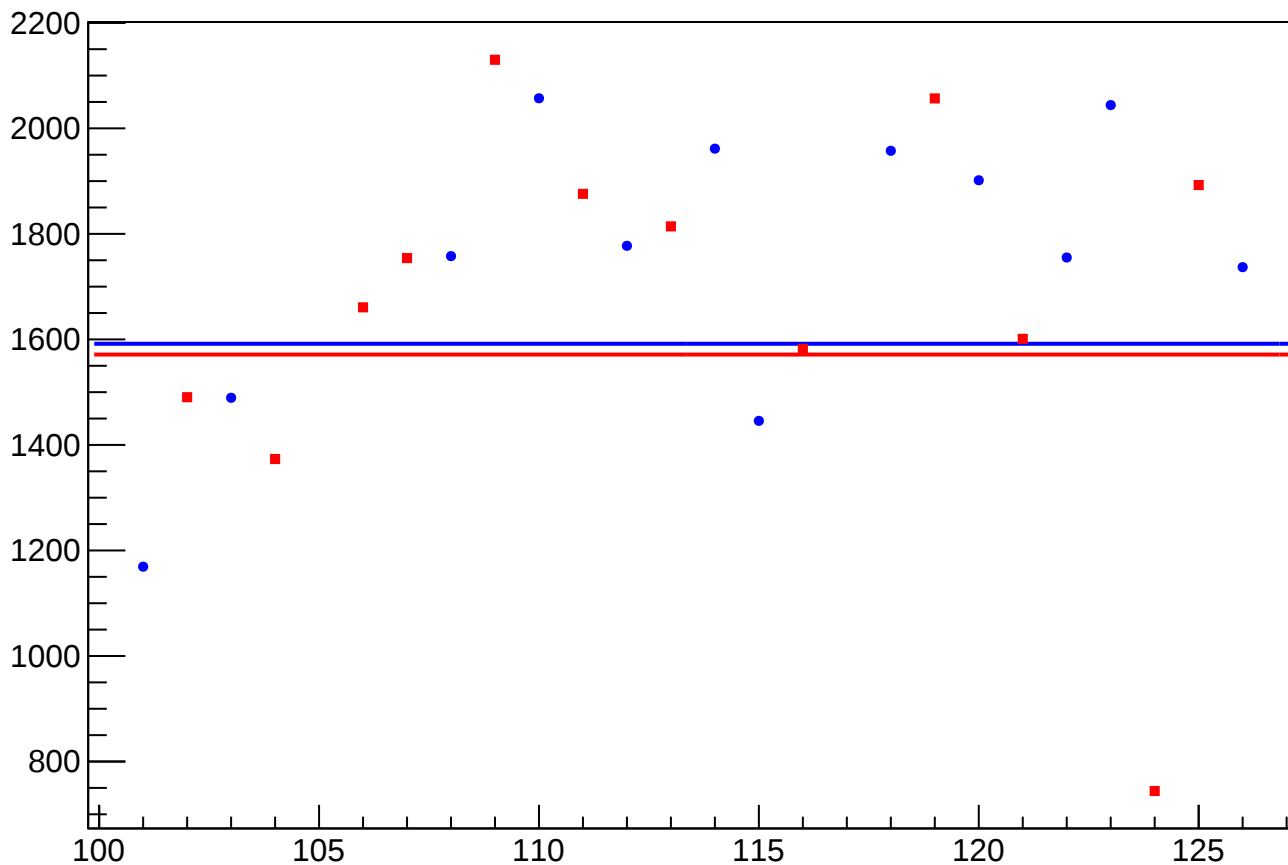
Right: -505.366+/-541.563  $\chi^2/\text{NDF}$ : 23.6/23

In: 136.499+/-785.258  $\chi^2/\text{NDF}$ : 13.1/11

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

All: -505.366+/-541.563  $\chi^2/\text{NDF}$ : 23.6/23

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



Right In: 1591.750+/-0.555  $\chi^2/\text{NDF}$ : 290166.2/11

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

Right Out: 1571.281+/-0.529  $\chi^2/\text{NDF}$ : 526576.8/11

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

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

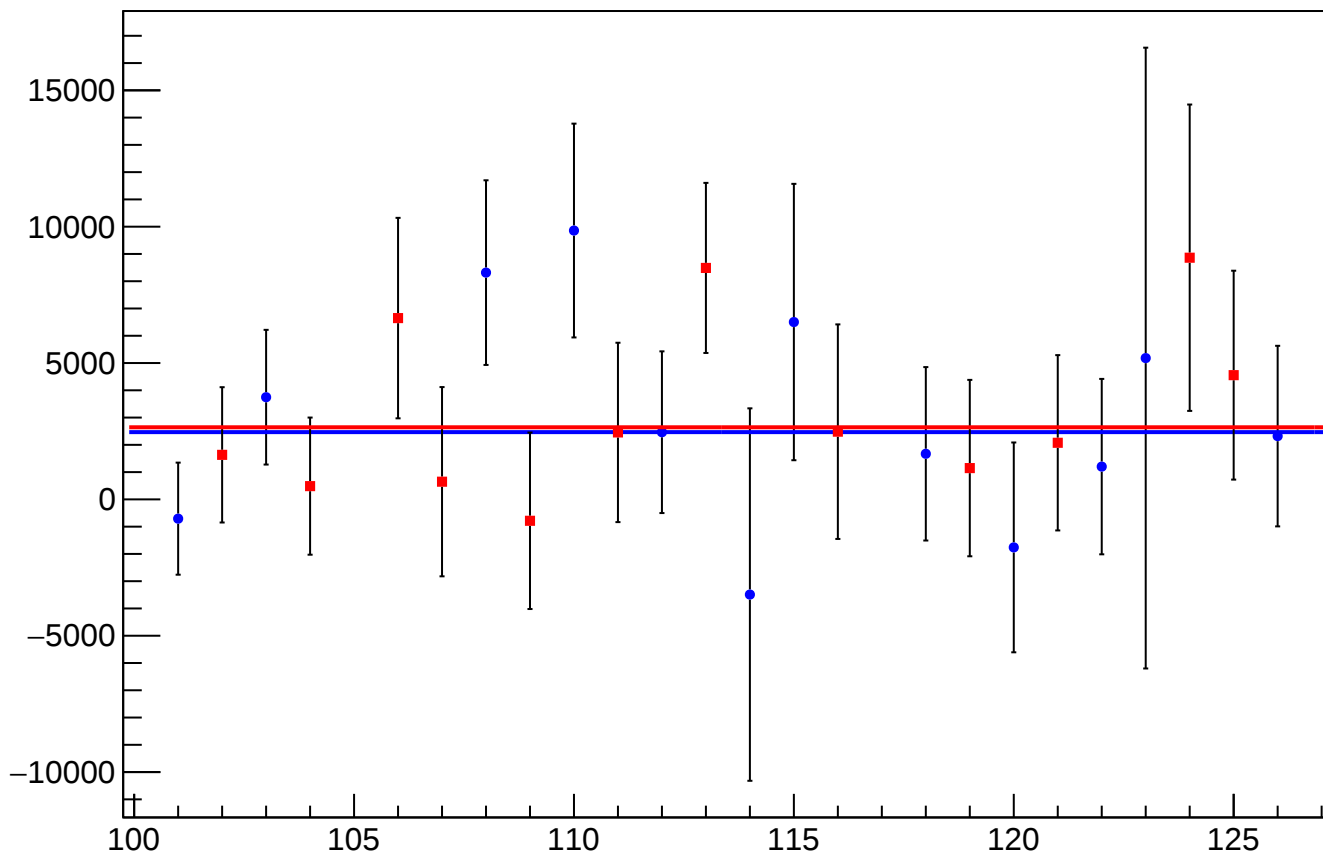
Right: 1581.017+/-0.383  $\chi^2/\text{NDF}$ : 817455.5/23

In: 1591.750+/-0.555  $\chi^2/\text{NDF}$ : 290166.2/11

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

All: 1581.017+/-0.383  $\chi^2/\text{NDF}$ : 817455.5/23

# asym\_usr\_mean vs Slug, Sign Corrected



Right In: 2466.349+/-958.128  $\chi^2/\text{NDF}$ : 12.1/11

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

Right Out: 2643.862+/-942.662  $\chi^2/\text{NDF}$ : 8.8/11

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

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

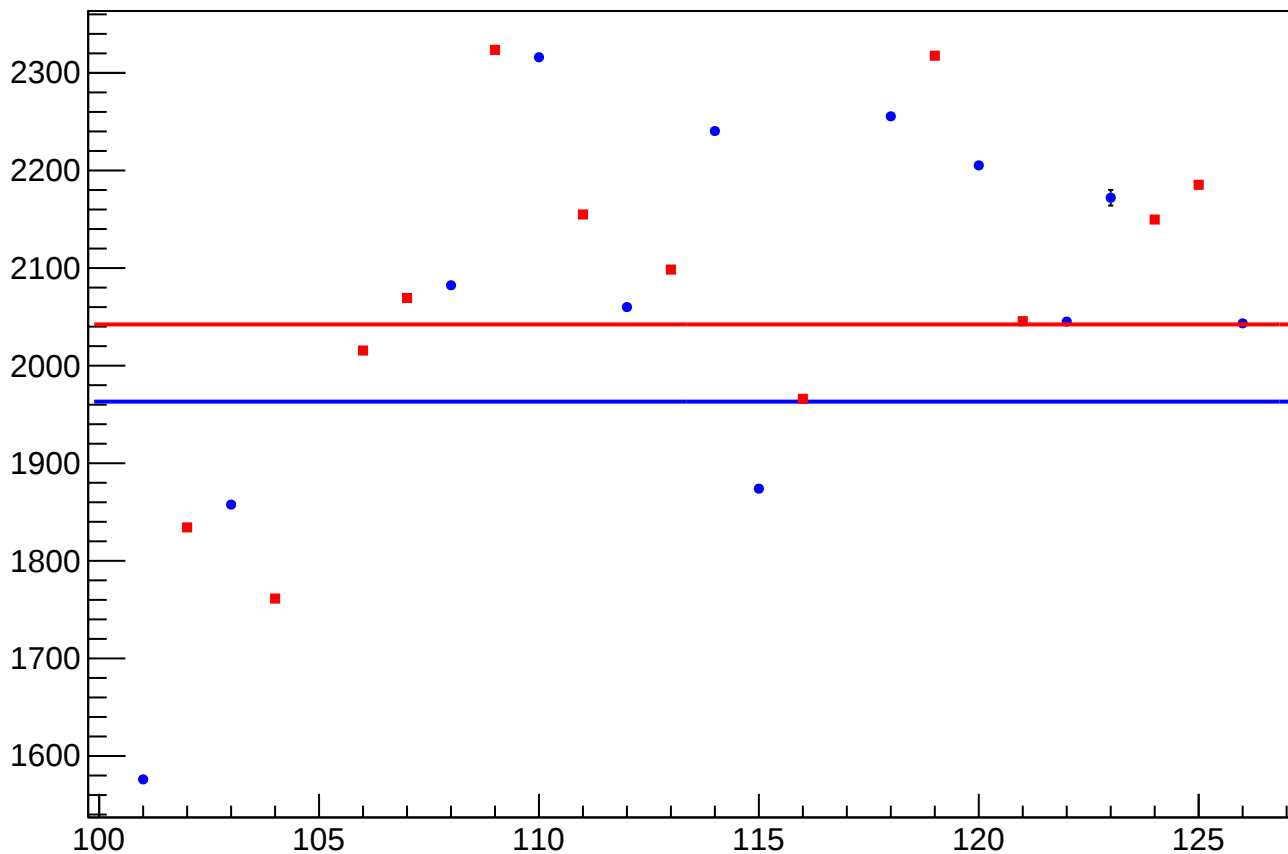
Right: 2556.550+/-671.964  $\chi^2/\text{NDF}$ : 20.9/23

In: 2466.349+/-958.128  $\chi^2/\text{NDF}$ : 12.1/11

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

All: 2556.550+/-671.964  $\chi^2/\text{NDF}$ : 20.9/23

# asym\_usr\_rms vs Slug, Sign Corrected



Right In: 1963.156+/-0.677  $\chi^2/\text{NDF}$ : 127348.6/11

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

Right Out: 2042.248+/-0.667  $\chi^2/\text{NDF}$ : 76134.7/11

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

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

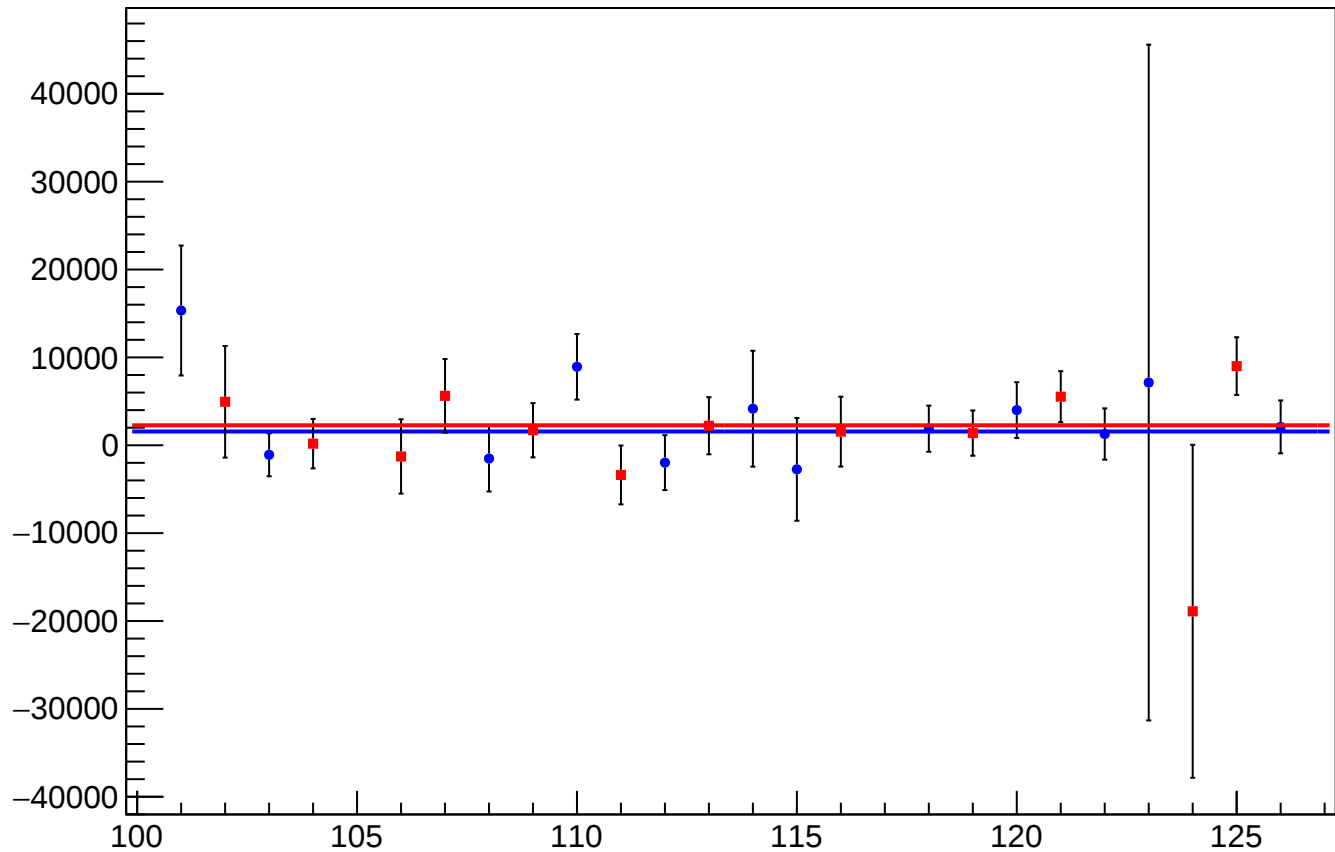
Right: 2003.345+/-0.475  $\chi^2/\text{NDF}$ : 210408.4/23

In: 1963.156+/-0.677  $\chi^2/\text{NDF}$ : 127348.6/11

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

All: 2003.345+/-0.475  $\chi^2/\text{NDF}$ : 210408.4/23

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



Right In: 1568.416 $\pm$ 1022.279  $\chi^2$ /NDF: 11.9/11

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

Right Out: 2273.455 $\pm$ 1009.903  $\chi^2$ /NDF: 11.8/11

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

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

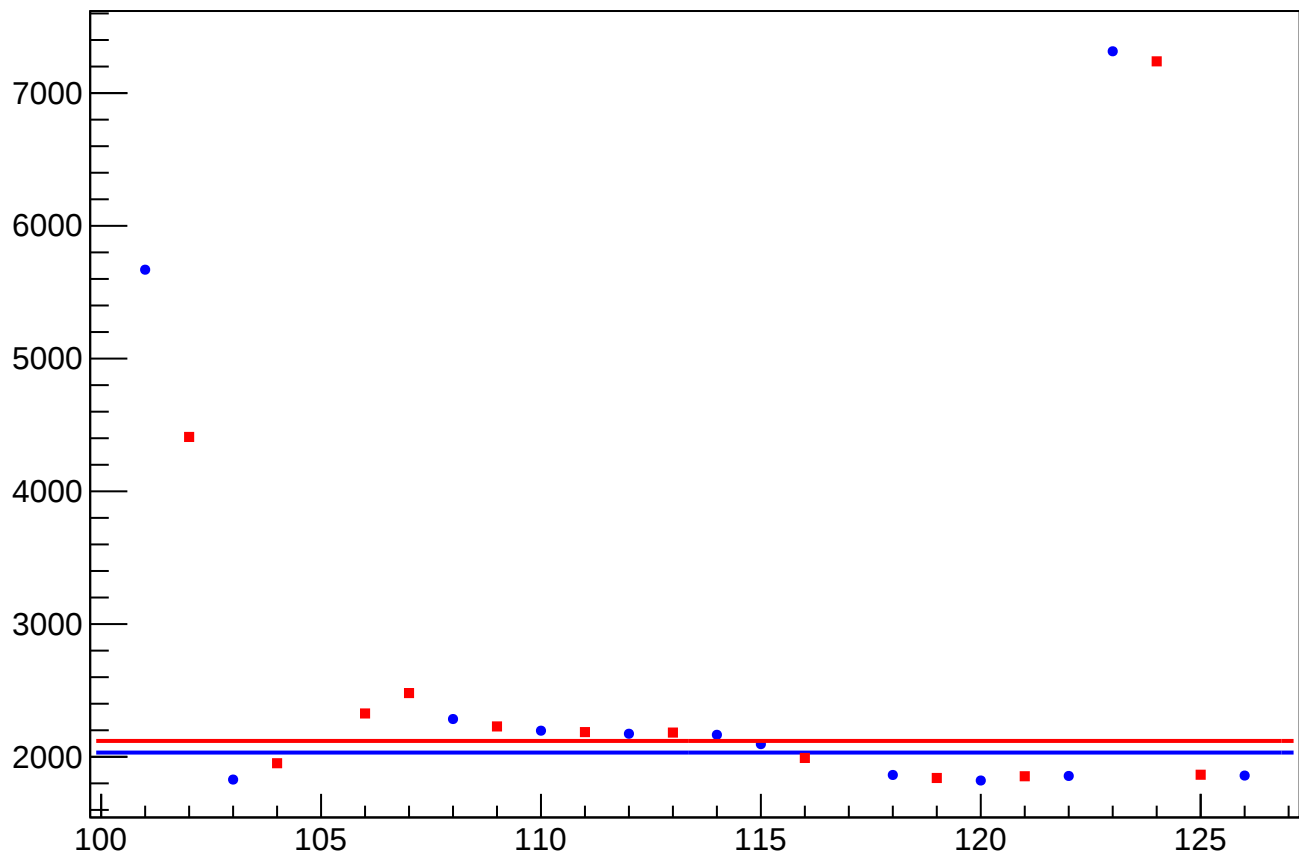
Right: 1925.229 $\pm$ 718.445  $\chi^2$ /NDF: 23.9/23

In: 1568.416 $\pm$ 1022.279  $\chi^2$ /NDF:11.9/11

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

All: 1925.229 $\pm$ 718.445  $\chi^2$ /NDF: 23.9/23

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



Right In: 2032.038+/-0.723  $\chi^2/\text{NDF}$ : 584603.3/11

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

Right Out: 2119.652+/-0.714  $\chi^2/\text{NDF}$ : 491153.9/11

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

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

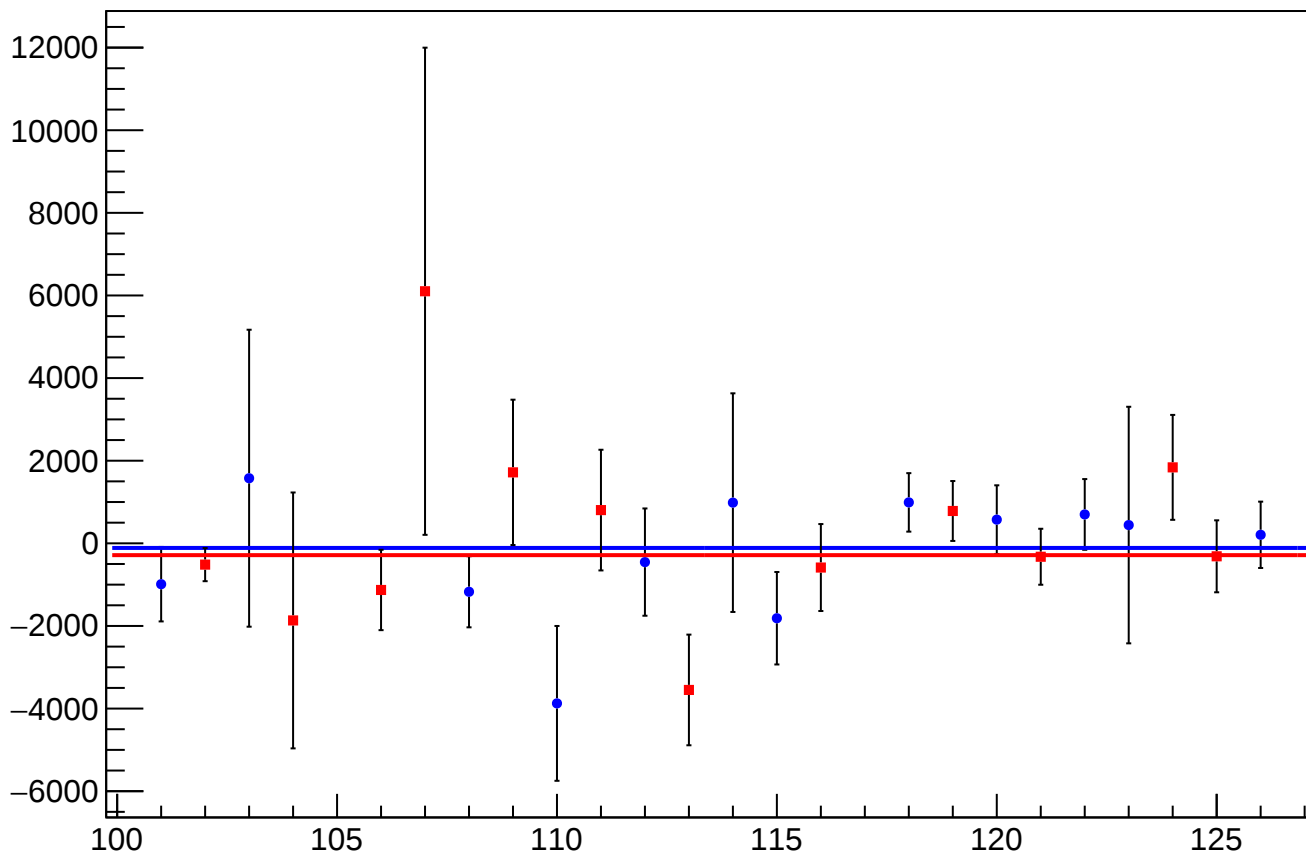
Right: 2076.379+/-0.508  $\chi^2/\text{NDF}$ : 1083191.9/23

In: 2032.038+/-0.723  $\chi^2/\text{NDF}$ : 584603.3/11

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

All: 2076.379+/-0.508  $\chi^2/\text{NDF}$ : 1083191.9/23

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



Right In: -111.351+/-302.065  $\chi^2/\text{NDF}$ : 13.5/11

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

Right Out: -285.957+/-252.542  $\chi^2/\text{NDF}$ : 15.4/11

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

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

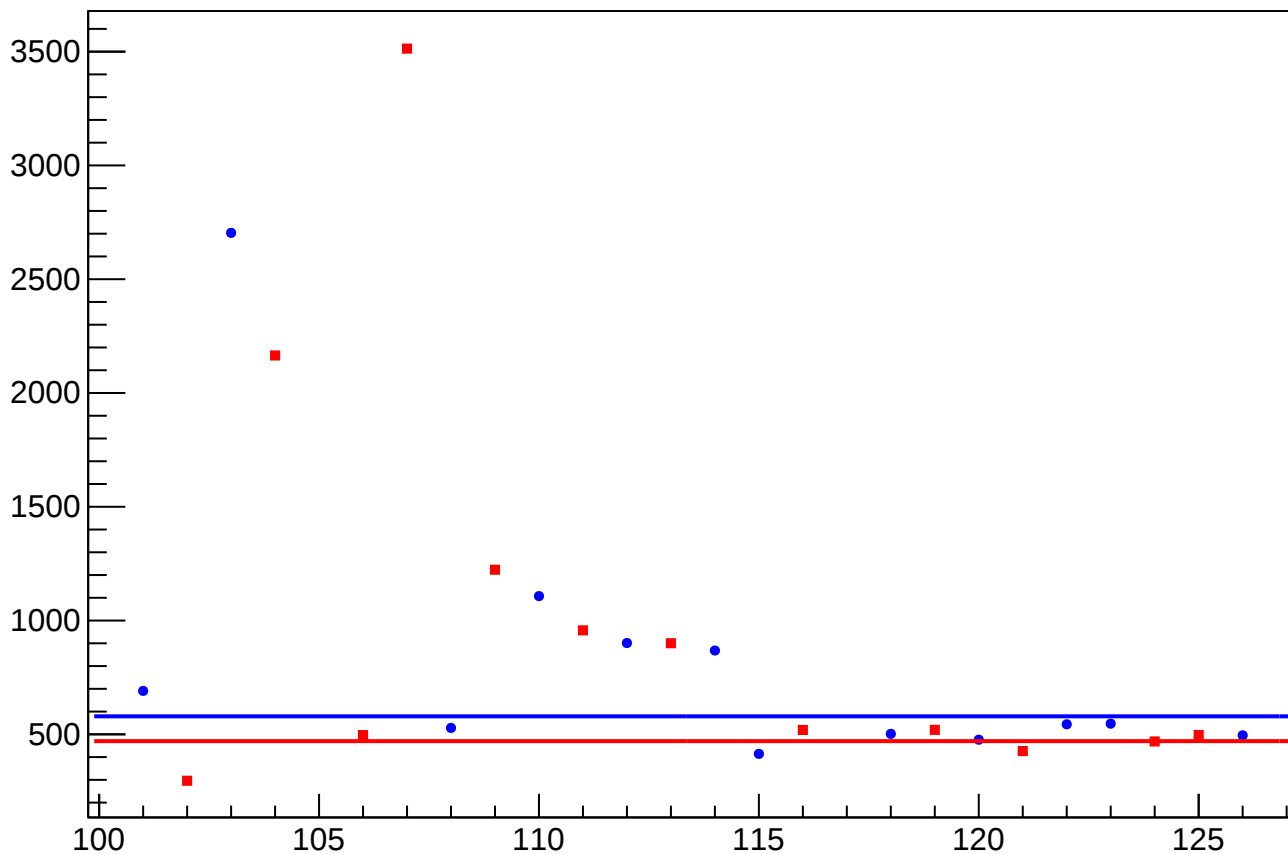
Right: -214.122+/-193.749  $\chi^2/\text{NDF}$ : 29.0/23

In: -111.351+/-302.065  $\chi^2/\text{NDF}$ : 13.5/11

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

All: -214.122+/-193.749  $\chi^2/\text{NDF}$ : 29.0/23

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



Right In: 579.159+/-0.214  $\chi^2/\text{NDF}$ : 1165582.1/11

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

Right Out: 470.132+/-0.179  $\chi^2/\text{NDF}$ : 2329042.0/11

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

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

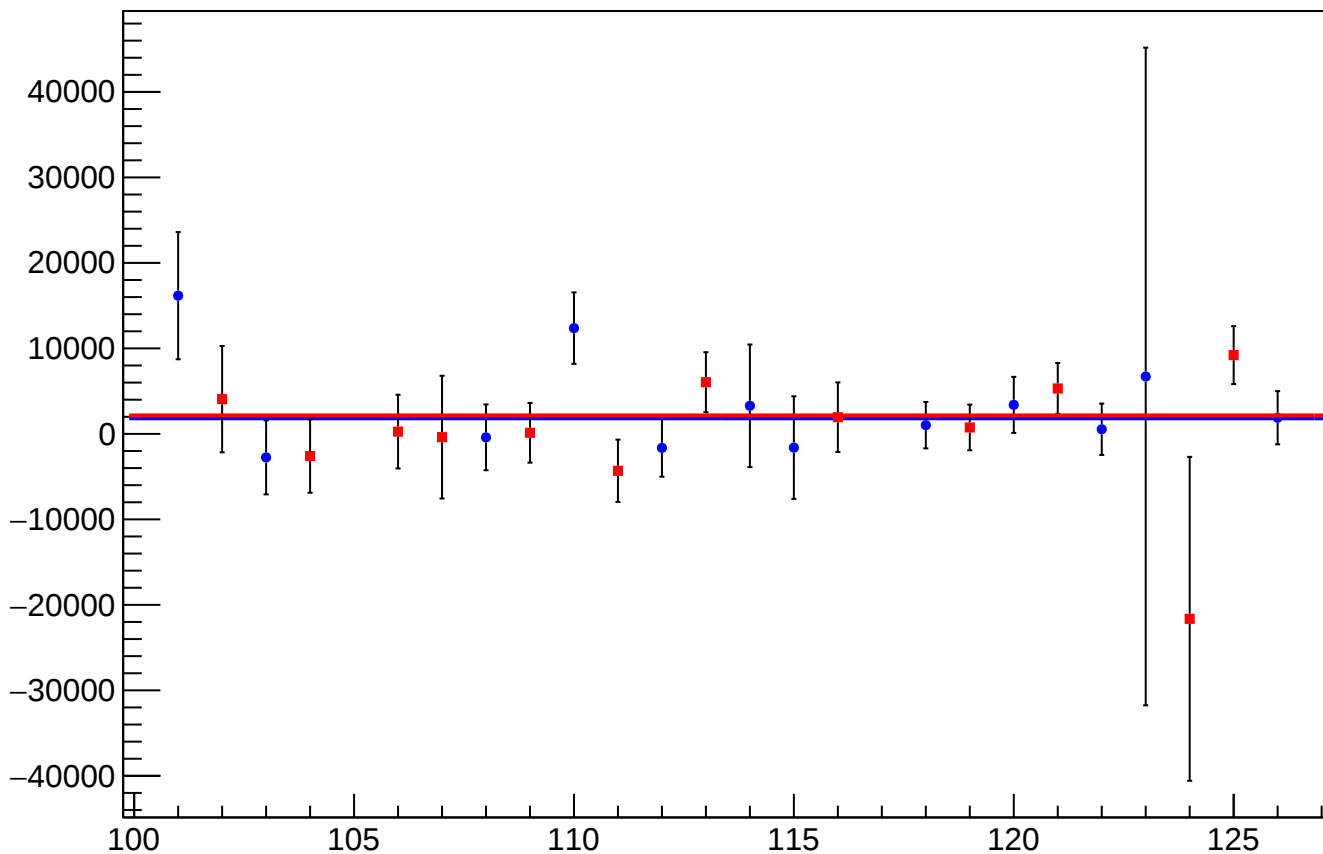
Right: 514.987+/-0.137  $\chi^2/\text{NDF}$ : 3647981.9/23

In: 579.159+/-0.214  $\chi^2/\text{NDF}$ : 1165582.1/11

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

All: 514.987+/-0.137  $\chi^2/\text{NDF}$ : 3647981.9/23

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



Right In: 1825.662+/-1136.147  $\chi^2/\text{NDF}$ : 13.5/11

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

Right Out: 2157.505+/-1121.568  $\chi^2/\text{NDF}$ : 13.7/11

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

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

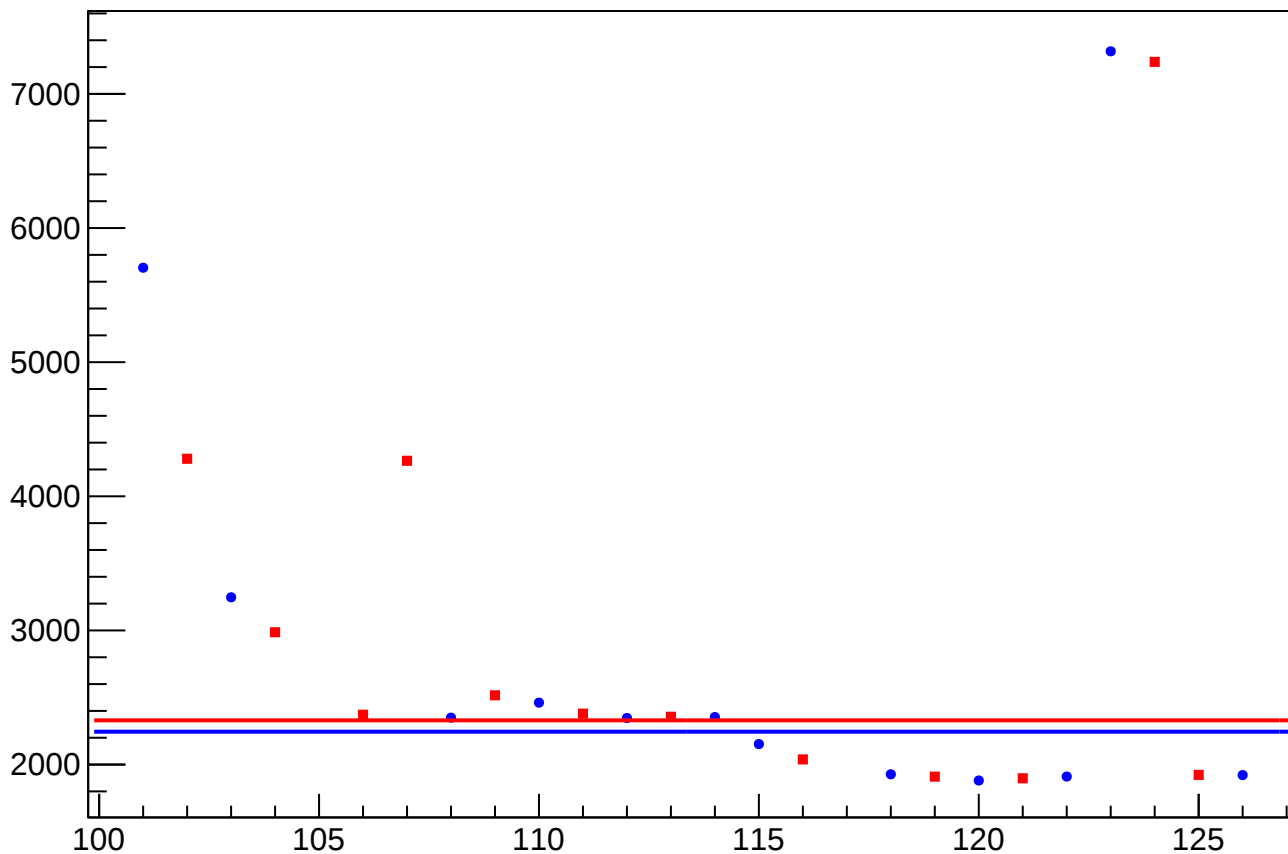
Right: 1993.726+/-798.173  $\chi^2/\text{NDF}$ : 27.2/23

In: 1825.662+/-1136.147  $\chi^2/\text{NDF}$ : 13.5/11

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

All: 1993.726+/-798.173  $\chi^2/\text{NDF}$ : 27.2/23

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



Right In: 2245.159+/-0.803  $\chi^2/\text{NDF}$ : 682338.1/11

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

Right Out: 2329.751+/-0.793  $\chi^2/\text{NDF}$ : 660116.0/11

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

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

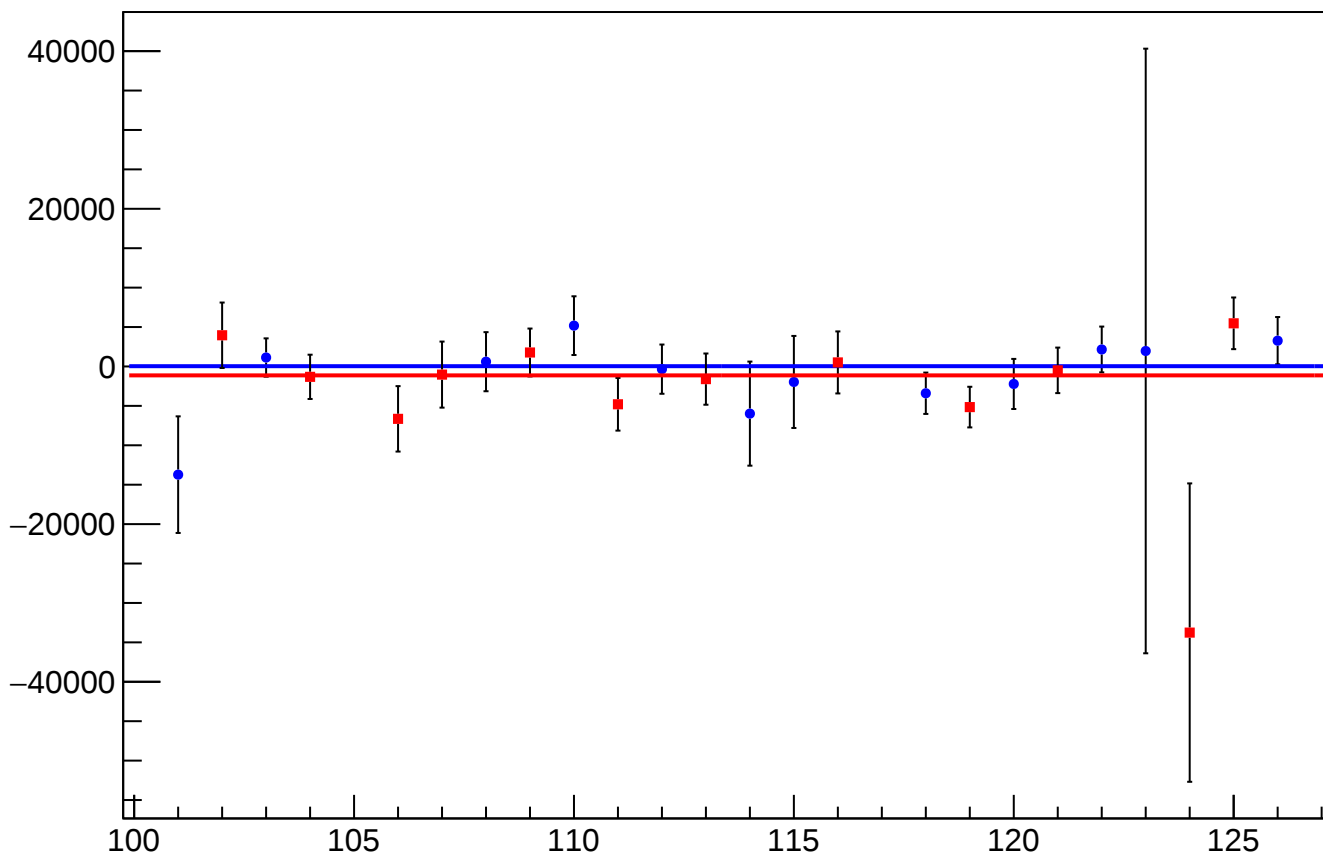
Right: 2288.001+/-0.564  $\chi^2/\text{NDF}$ : 1348069.2/23

In: 2245.159+/-0.803  $\chi^2/\text{NDF}$ : 682338.1/11

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

All: 2288.001+/-0.564  $\chi^2/\text{NDF}$ : 1348069.2/23

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



Right In: 34.131+/-1020.238  $\chi^2/\text{NDF}$ : 10.5/11

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

Right Out: -1132.007+/-988.364  $\chi^2/\text{NDF}$ : 15.1/11

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

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

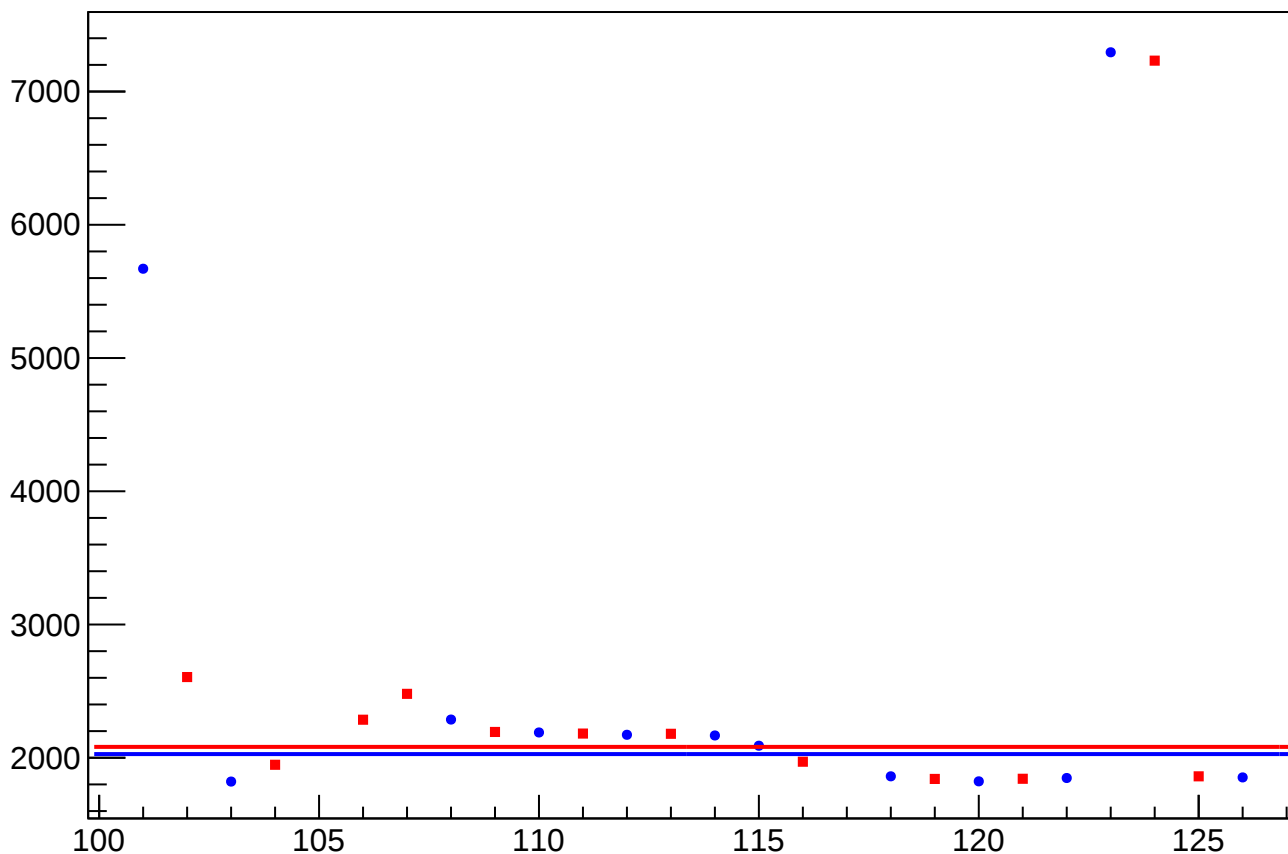
Right: -567.439+/-709.880  $\chi^2/\text{NDF}$ : 26.3/23

In: 34.131+/-1020.238  $\chi^2/\text{NDF}$ : 10.5/11

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

All: -567.439+/-709.880  $\chi^2/\text{NDF}$ : 26.3/23

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



Right In: 2027.633+/-0.721  $\chi^2/\text{NDF}$ : 586812.9/11

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

Right Out: 2081.666+/-0.699  $\chi^2/\text{NDF}$ : 255636.2/11

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

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

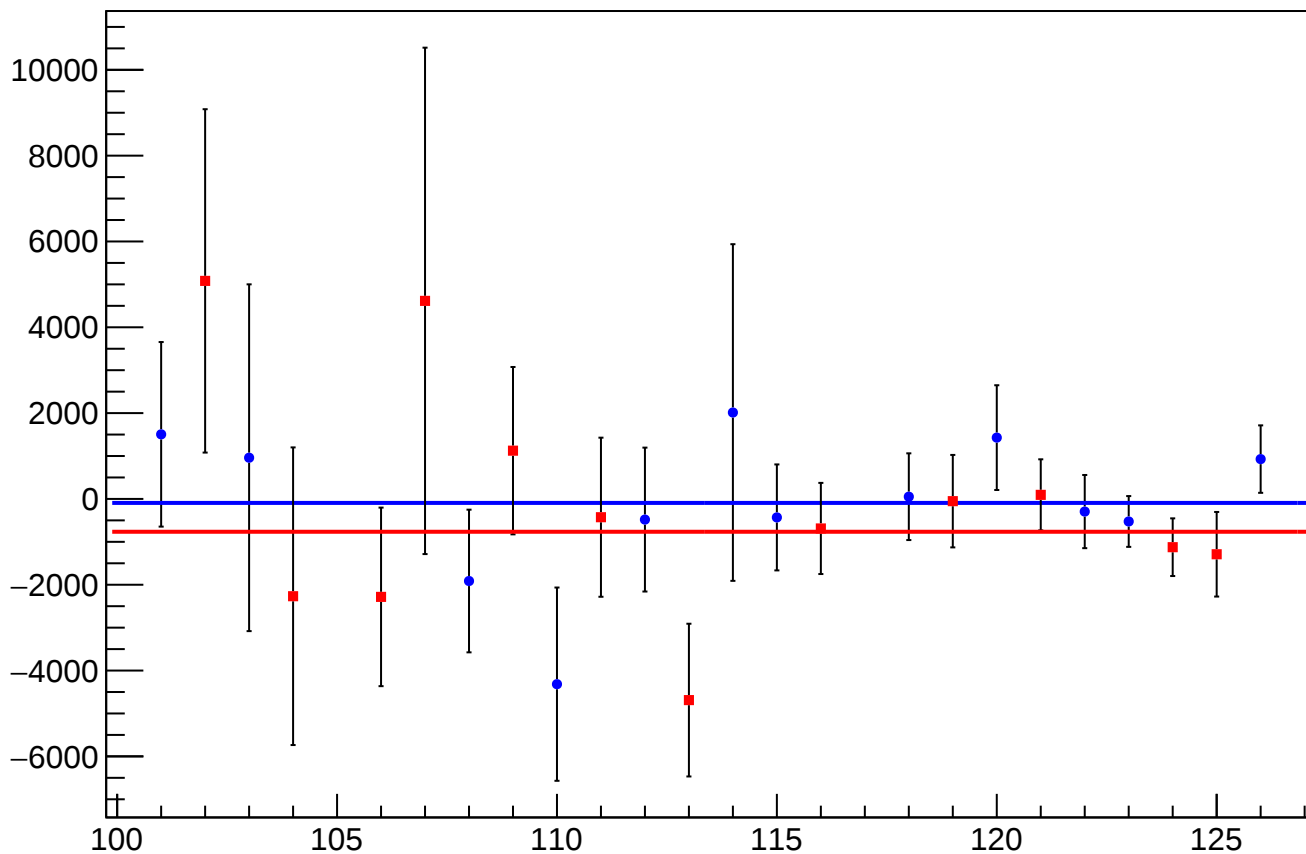
Right: 2055.507+/-0.502  $\chi^2/\text{NDF}$ : 845343.0/23

In: 2027.633+/-0.721  $\chi^2/\text{NDF}$ : 586812.9/11

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

All: 2055.507+/-0.502  $\chi^2/\text{NDF}$ : 845343.0/23

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



Right In:  $-93.011 \pm 325.977$   $\chi^2/\text{NDF}$ : 9.6/11

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

Right Out:  $-765.156 \pm 359.825$   $\chi^2/\text{NDF}$ : 11.6/11

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

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

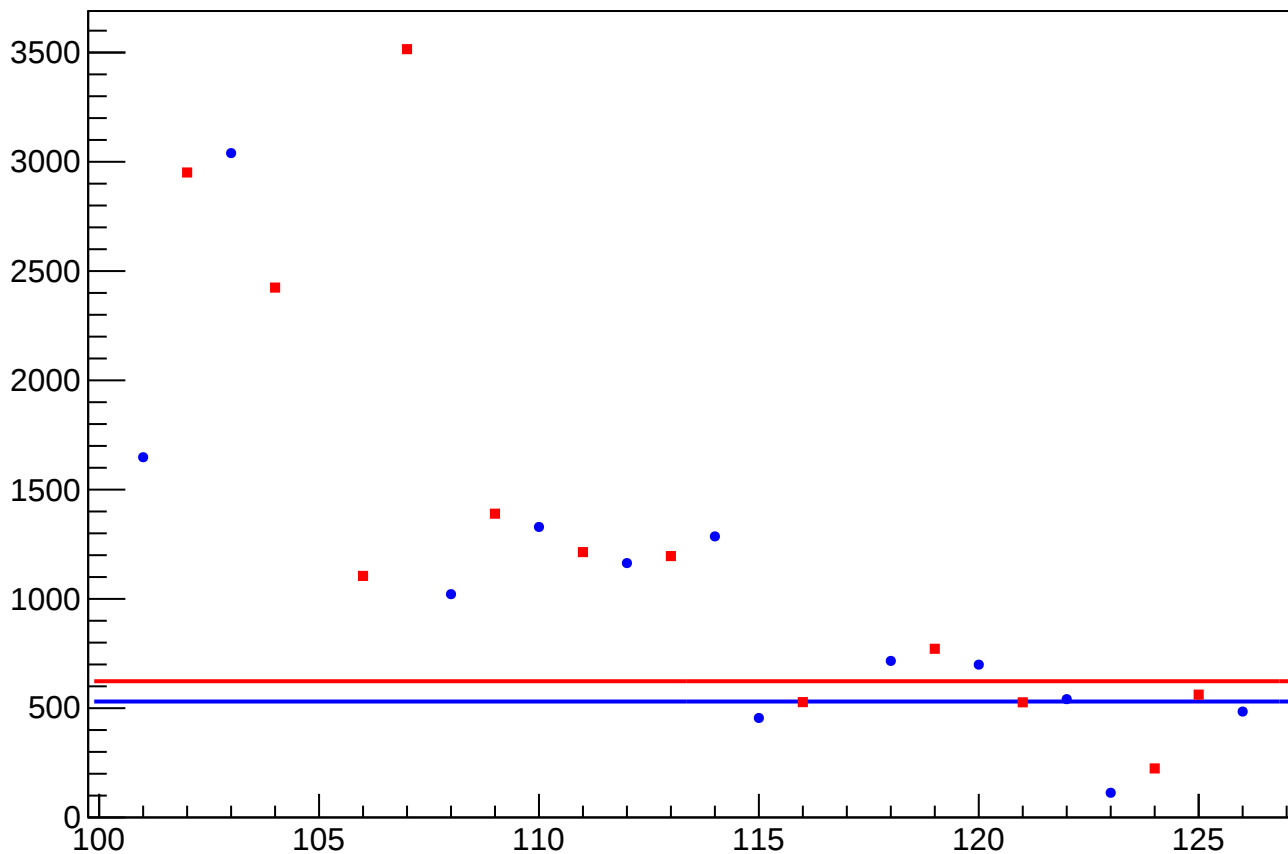
Right:  $-395.990 \pm 241.583$   $\chi^2/\text{NDF}$ : 23.1/23

In:  $-93.011 \pm 325.977$   $\chi^2/\text{NDF}$ : 9.6/11

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

All:  $-395.990 \pm 241.583$   $\chi^2/\text{NDF}$ : 23.1/23

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



Right In: 530.472+/-0.231  $\chi^2/\text{NDF}$ : 3212378.8/11

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

Right Out: 623.278+/-0.254  $\chi^2/\text{NDF}$ : 3317283.0/11

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

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

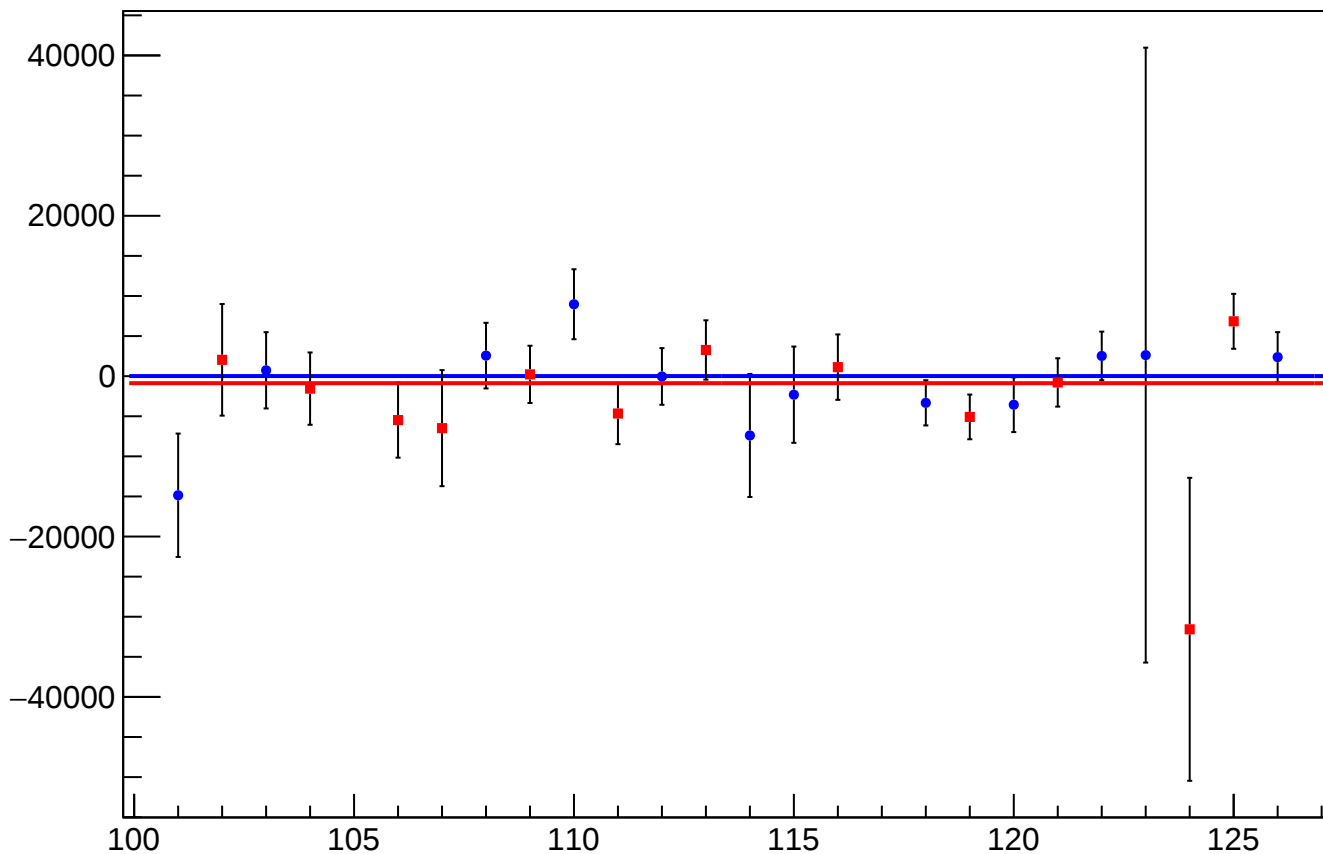
Right: 572.306+/-0.171  $\chi^2/\text{NDF}$ : 6602736.4/23

In: 530.472+/-0.231  $\chi^2/\text{NDF}$ :3212378.8/11

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

All: 572.306+/-0.171  $\chi^2/\text{NDF}$ : 6602736.4/23

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



Right In: 13.474+/-1176.144  $\chi^2/\text{NDF}$ : 13.2/11

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

Right Out: -874.334+/-1161.381  $\chi^2/\text{NDF}$ : 14.3/11

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

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

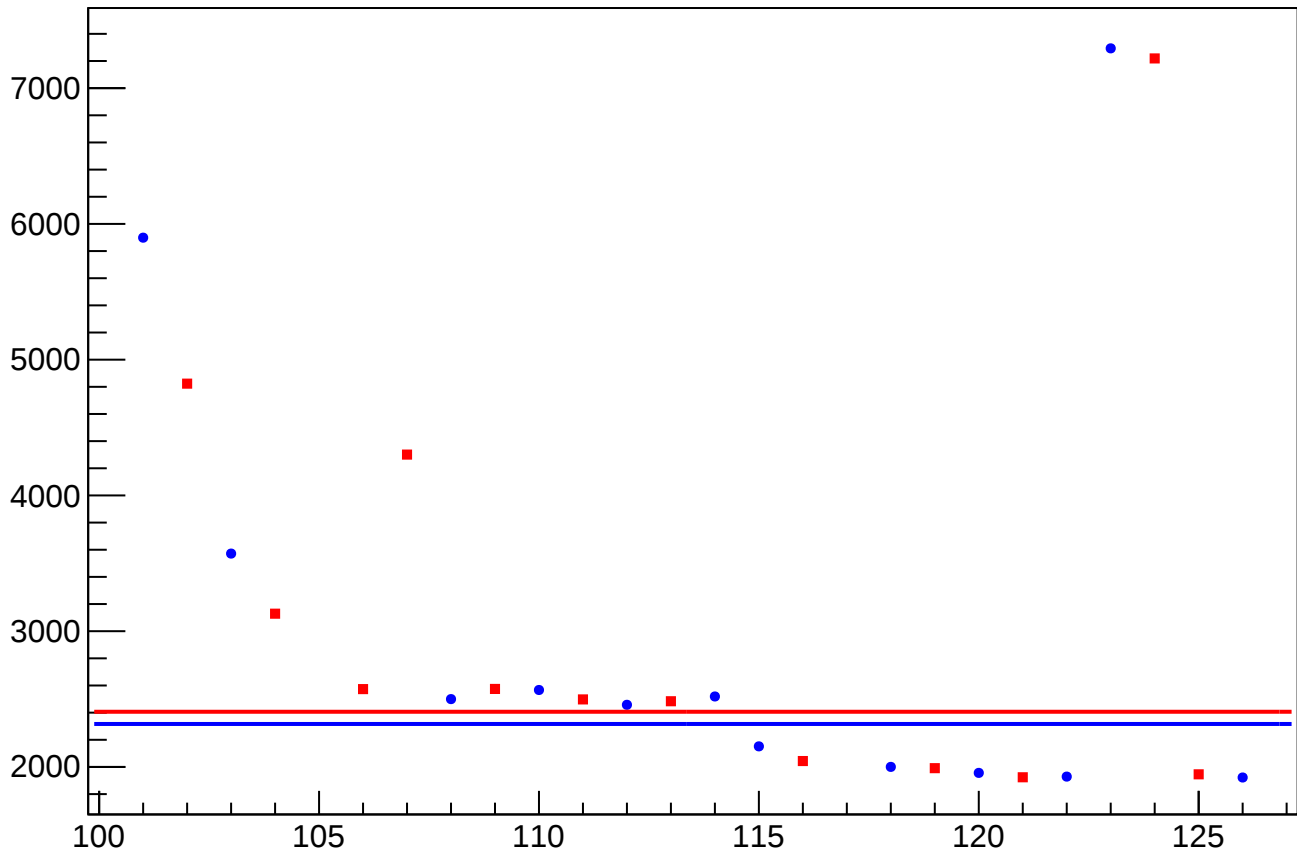
Right: -436.037+/-826.390  $\chi^2/\text{NDF}$ : 27.8/23

In: 13.474+/-1176.144  $\chi^2/\text{NDF}$ : 13.2/11

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

All: -436.037+/-826.390  $\chi^2/\text{NDF}$ : 27.8/23

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



Right In: 2316.567+/-0.832  $\chi^2/\text{NDF}$ : 735551.4/11

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

Right Out: 2406.577+/-0.821  $\chi^2/\text{NDF}$ : 715974.1/11

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

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

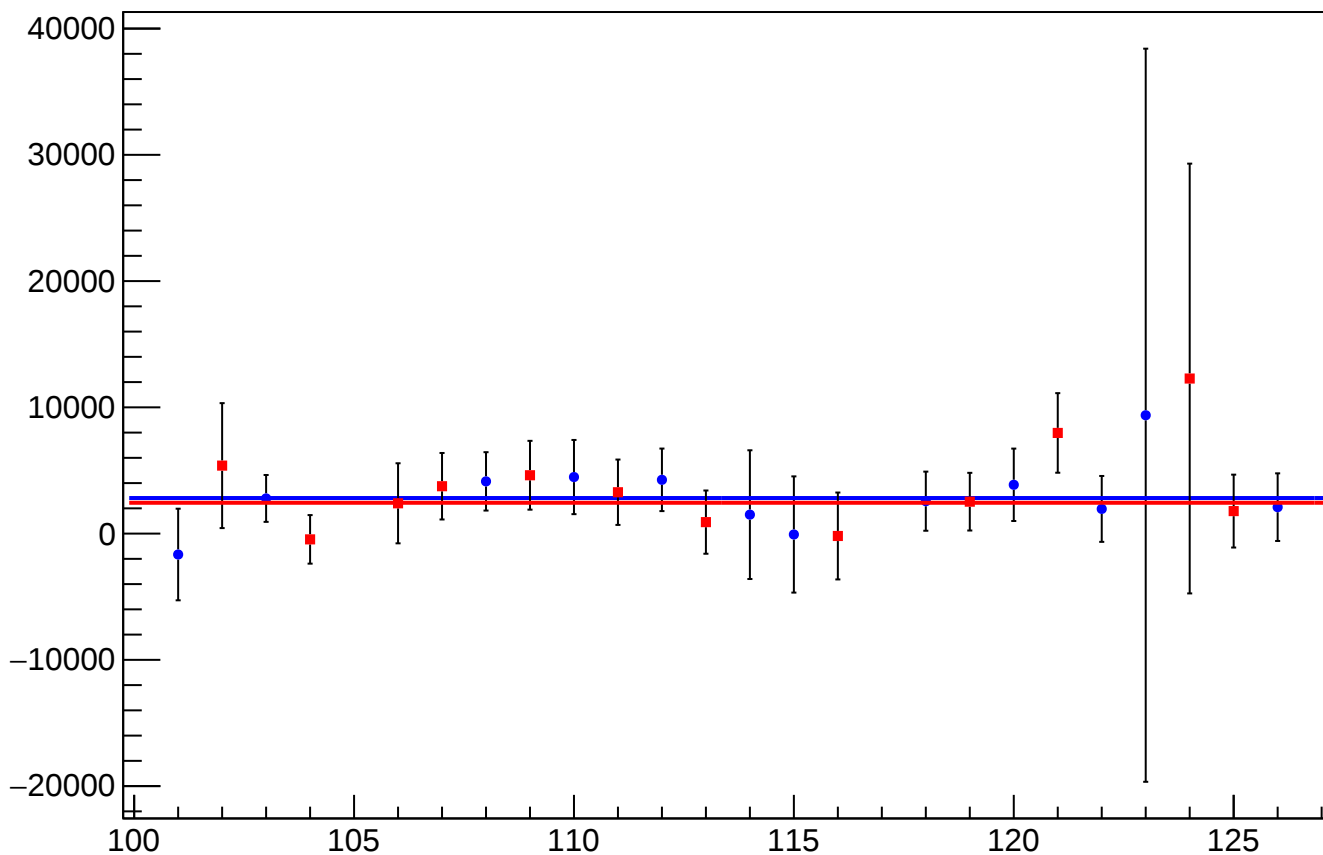
Right: 2362.141+/-0.584  $\chi^2/\text{NDF}$ : 1457456.2/23

In: 2316.567+/-0.832  $\chi^2/\text{NDF}$ : 735551.4/11

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

All: 2362.141+/-0.584  $\chi^2/\text{NDF}$ : 1457456.2/23

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



Right In: 2817.742 $\pm$ 813.967  $\chi^2$ /NDF: 3.3/11

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

Right Out: 2442.484 $\pm$ 816.925  $\chi^2$ /NDF: 8.0/11

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

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

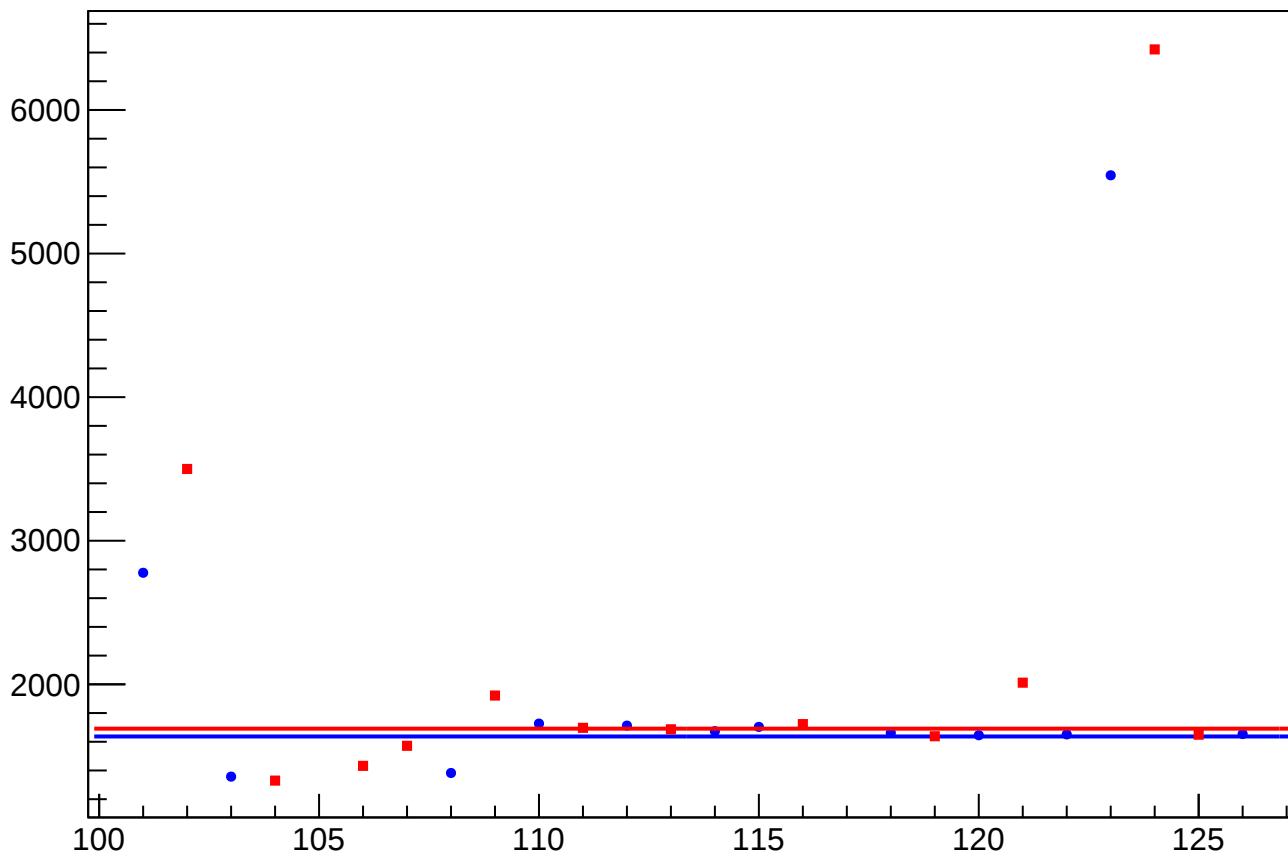
Right: 2630.794 $\pm$ 576.604  $\chi^2$ /NDF: 11.5/23

In: 2817.742 $\pm$ 813.967  $\chi^2$ /NDF: 3.3/11

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

All: 2630.794 $\pm$ 576.604  $\chi^2$ /NDF: 11.5/23

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



Right In: 1636.789+/-0.576  $\chi^2/\text{NDF}$ : 307948.9/11

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

Right Out: 1691.262+/-0.577  $\chi^2/\text{NDF}$ : 546711.6/11

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

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

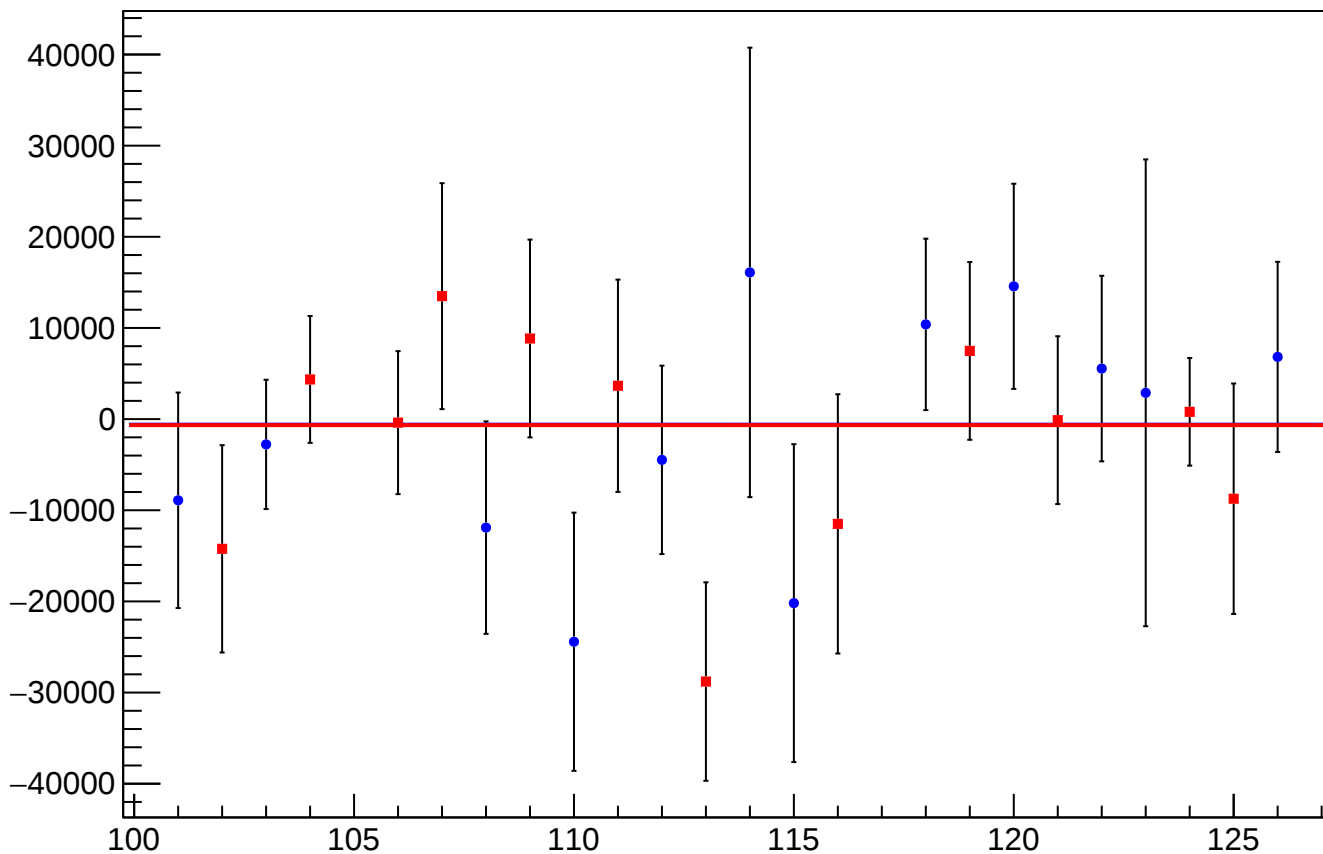
Right: 1663.937+/-0.408  $\chi^2/\text{NDF}$ : 859124.7/23

In: 1636.789+/-0.576  $\chi^2/\text{NDF}$ : 307948.9/11

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

All: 1663.937+/-0.408  $\chi^2/\text{NDF}$ : 859124.7/23

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



Right In: -609.718+/-3274.724  $\chi^2/\text{NDF}$ : 10.3/11

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

Right Out: -659.141+/-2695.151  $\chi^2/\text{NDF}$ : 12.6/11

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

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

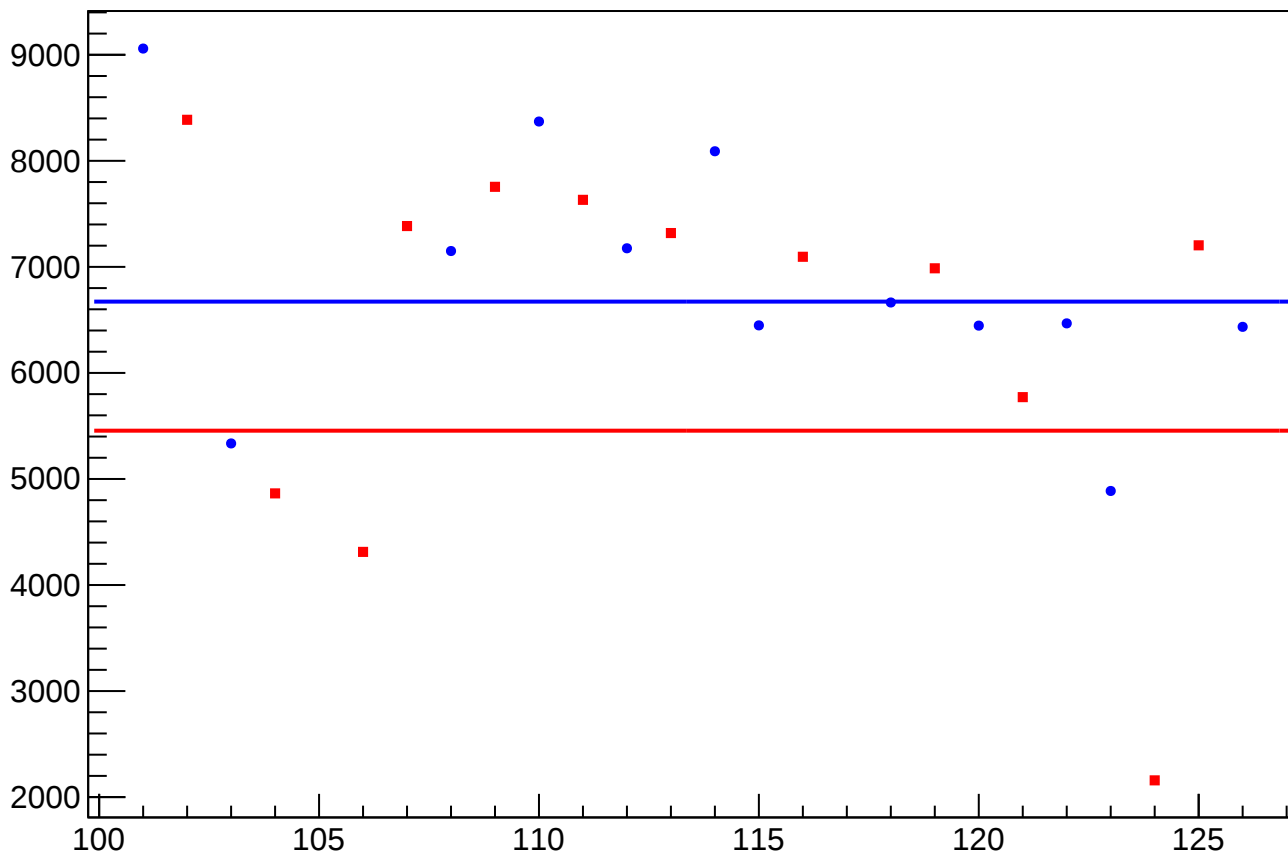
Right: -639.183+/-2080.993  $\chi^2/\text{NDF}$ : 22.9/23

In: -609.718+/-3274.724  $\chi^2/\text{NDF}$ :10.3/11

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

All: -639.183+/-2080.993  $\chi^2/\text{NDF}$ : 22.9/23

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



Right In: 6672.504+/-2.316  $\chi^2/\text{NDF}$ : 208783.7/11

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

Right Out: 5455.372+/-1.906  $\chi^2/\text{NDF}$ : 1197195.2/11

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

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

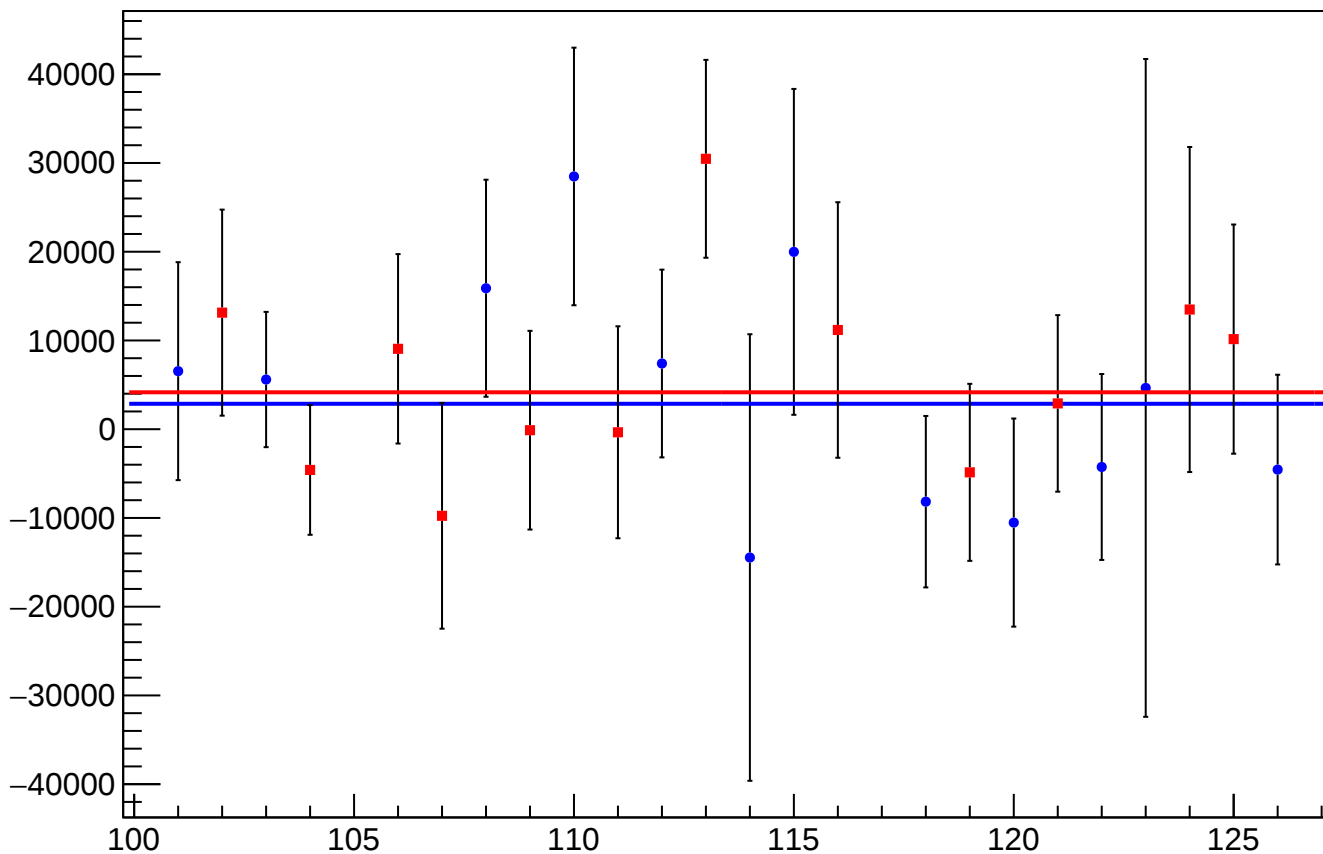
Right: 5946.879+/-1.471  $\chi^2/\text{NDF}$ : 1570693.1/23

In: 6672.504+/-2.316  $\chi^2/\text{NDF}$ : 208783.7/11

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

All: 5946.879+/-1.471  $\chi^2/\text{NDF}$ : 1570693.1/23

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



Right In: 2864.506+/-3423.010  $\chi^2/\text{NDF}$ : 9.5/11

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

Right Out: 4160.382+/-3192.798  $\chi^2/\text{NDF}$ : 10.8/11

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

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

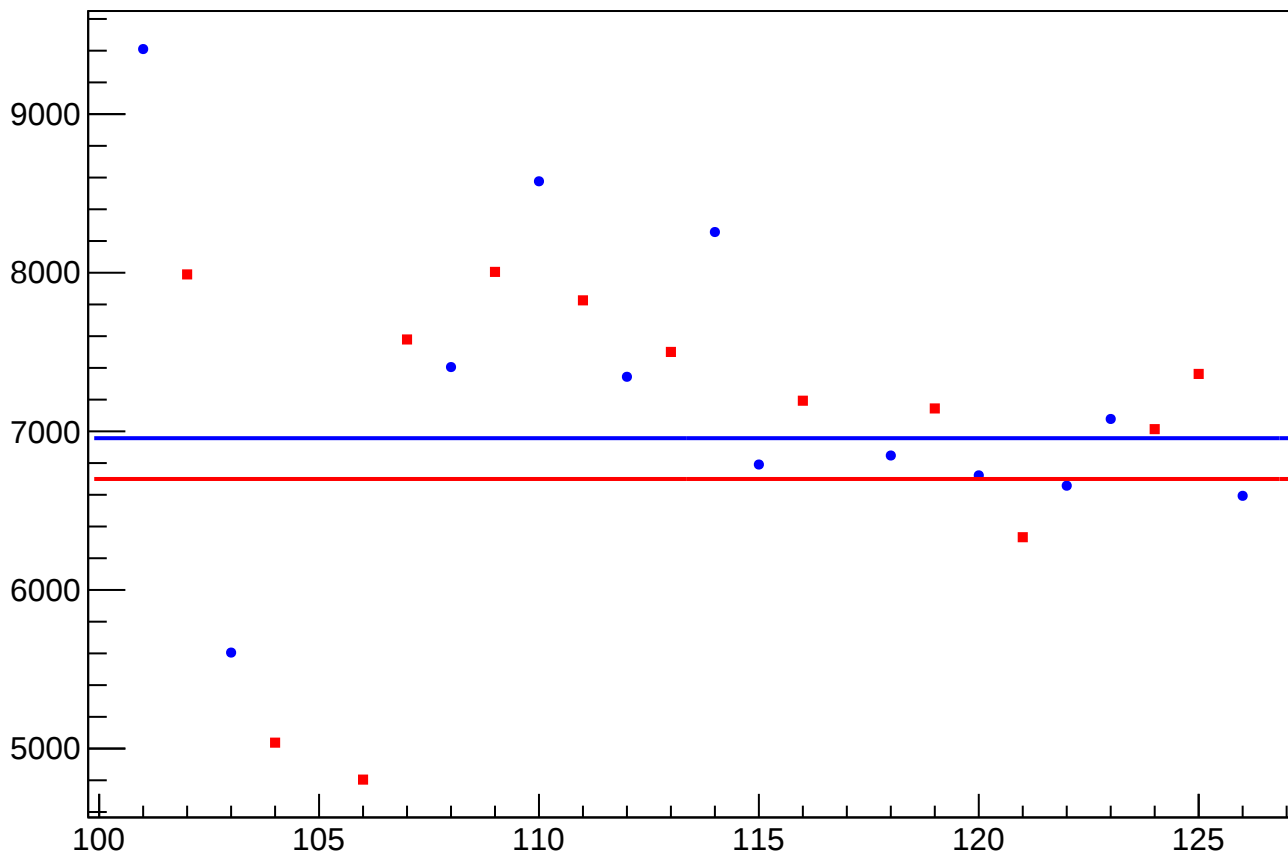
Right: 3557.483+/-2334.796  $\chi^2/\text{NDF}$ : 20.5/23

In: 2864.506+/-3423.010  $\chi^2/\text{NDF}$ : 9.5/11

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

All: 3557.483+/-2334.796  $\chi^2/\text{NDF}$ : 20.5/23

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



Right In: 6956.909+/-2.420  $\chi^2/\text{NDF}$ : 183546.8/11

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

Right Out: 6699.674+/-2.257  $\chi^2/\text{NDF}$ : 271229.2/11

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

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

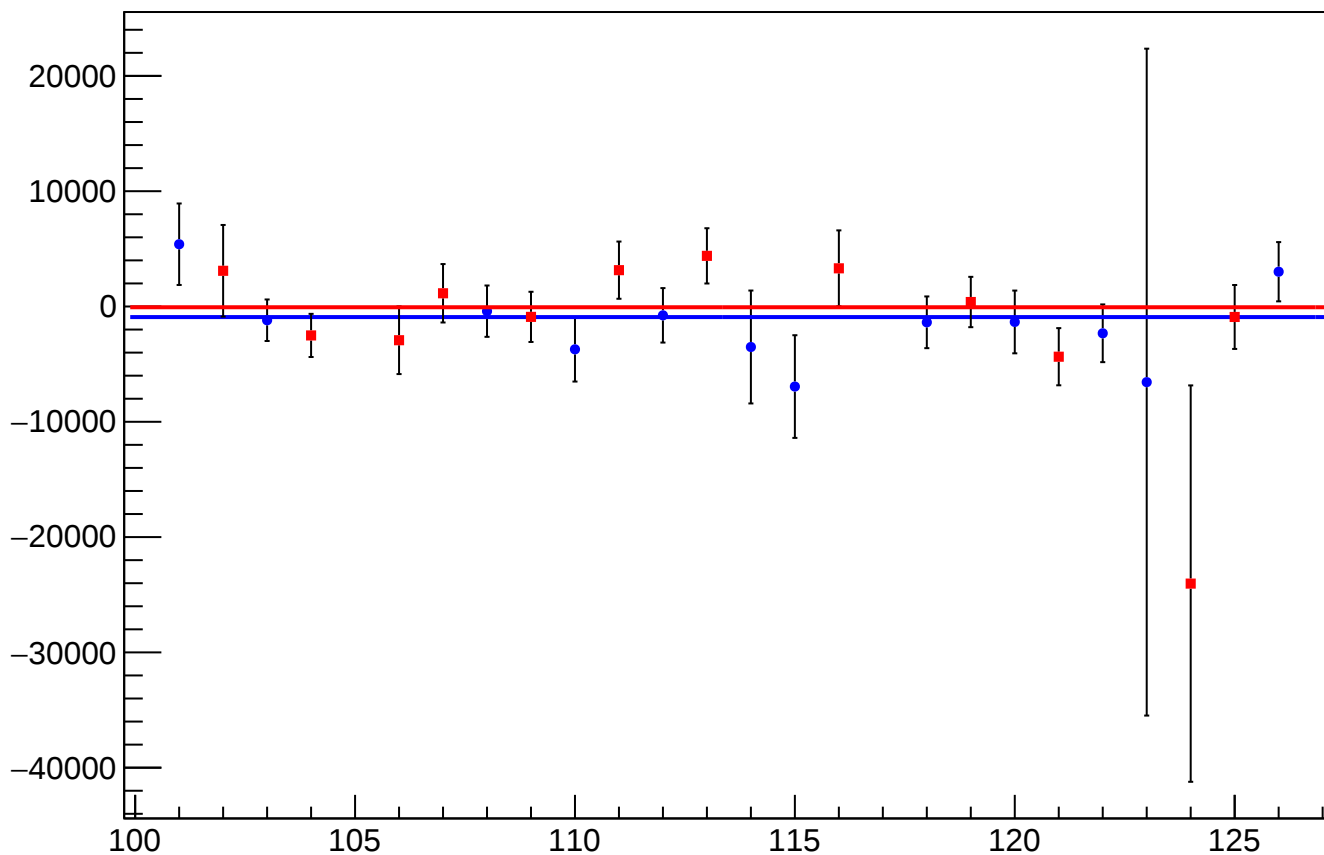
Right: 6819.334+/-1.651  $\chi^2/\text{NDF}$ : 460817.0/23

In: 6956.909+/-2.420  $\chi^2/\text{NDF}$ : 183546.8/11

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

All: 6819.334+/-1.651  $\chi^2/\text{NDF}$ : 460817.0/23

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



Right In: -917.837+/-781.952  $\chi^2/\text{NDF}$ : 9.2/11

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

Right Out: -65.452+/-752.349  $\chi^2/\text{NDF}$ : 14.9/11

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

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

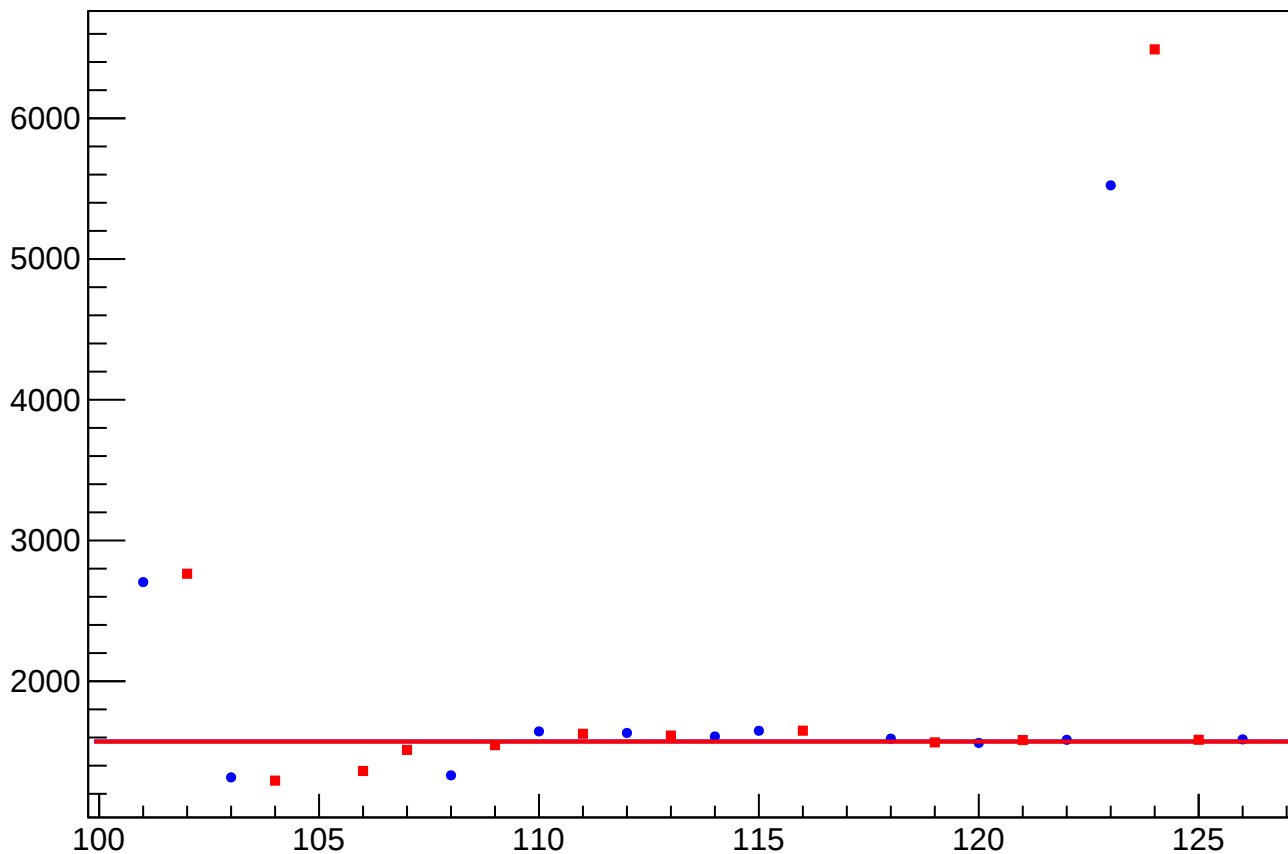
Right: -475.205+/-542.154  $\chi^2/\text{NDF}$ : 24.7/23

In: -917.837+/-781.952  $\chi^2/\text{NDF}$ :9.2/11

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

All: -475.205+/-542.154  $\chi^2/\text{NDF}$ : 24.7/23

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



Right In: 1572.080+/-0.553  $\chi^2/\text{NDF}$ : 309967.4/11

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

Right Out: 1571.197+/-0.532  $\chi^2/\text{NDF}$ : 402048.3/11

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

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

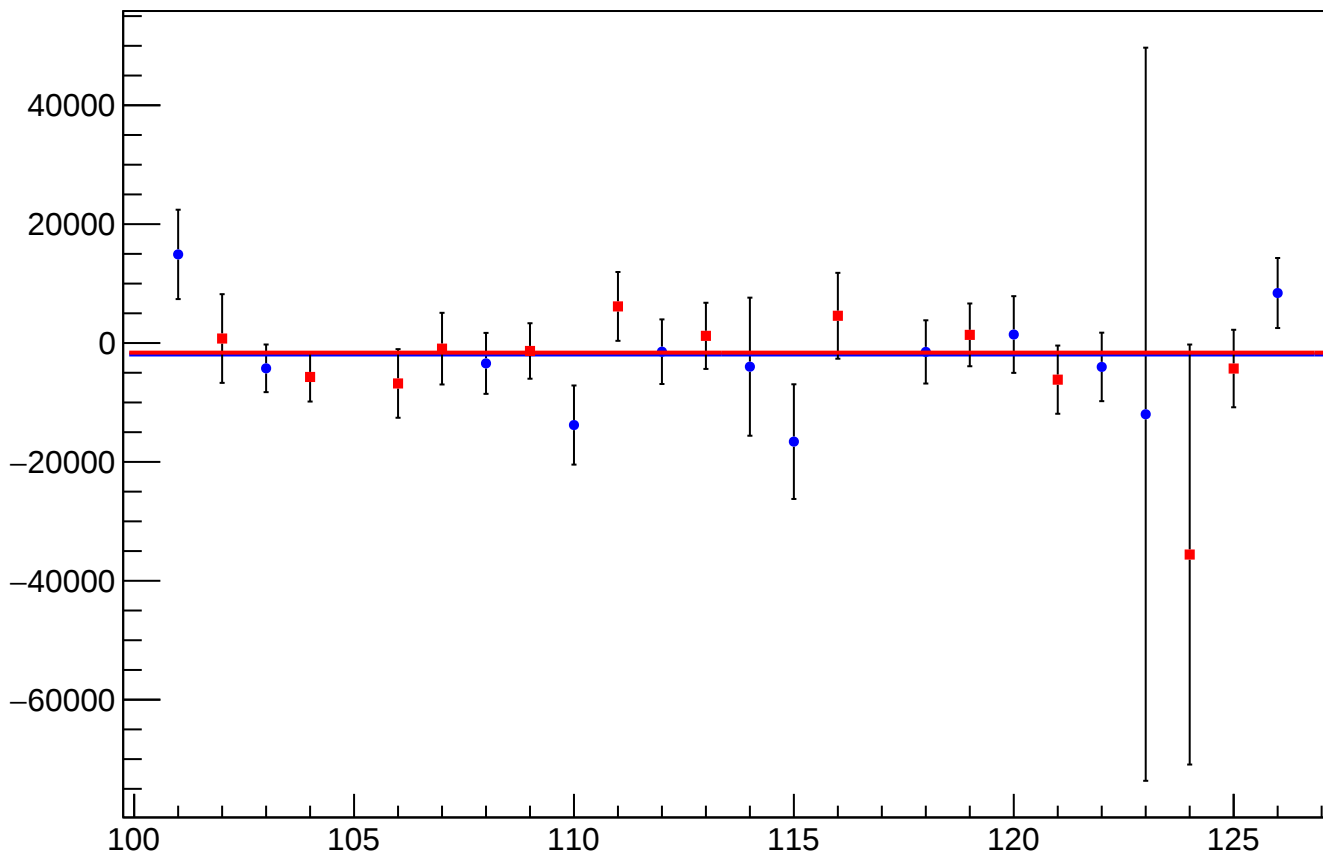
Right: 1571.621+/-0.383  $\chi^2/\text{NDF}$ : 712017.0/23

In: 1572.080+/-0.553  $\chi^2/\text{NDF}$ : 309967.4/11

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

All: 1571.621+/-0.383  $\chi^2/\text{NDF}$ : 712017.0/23

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



Right In: -1928.919+/-1792.694  $\chi^2/\text{NDF}$ : 14.5/11

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

Right Out: -1616.345+/-1686.125  $\chi^2/\text{NDF}$ : 6.7/11

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

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

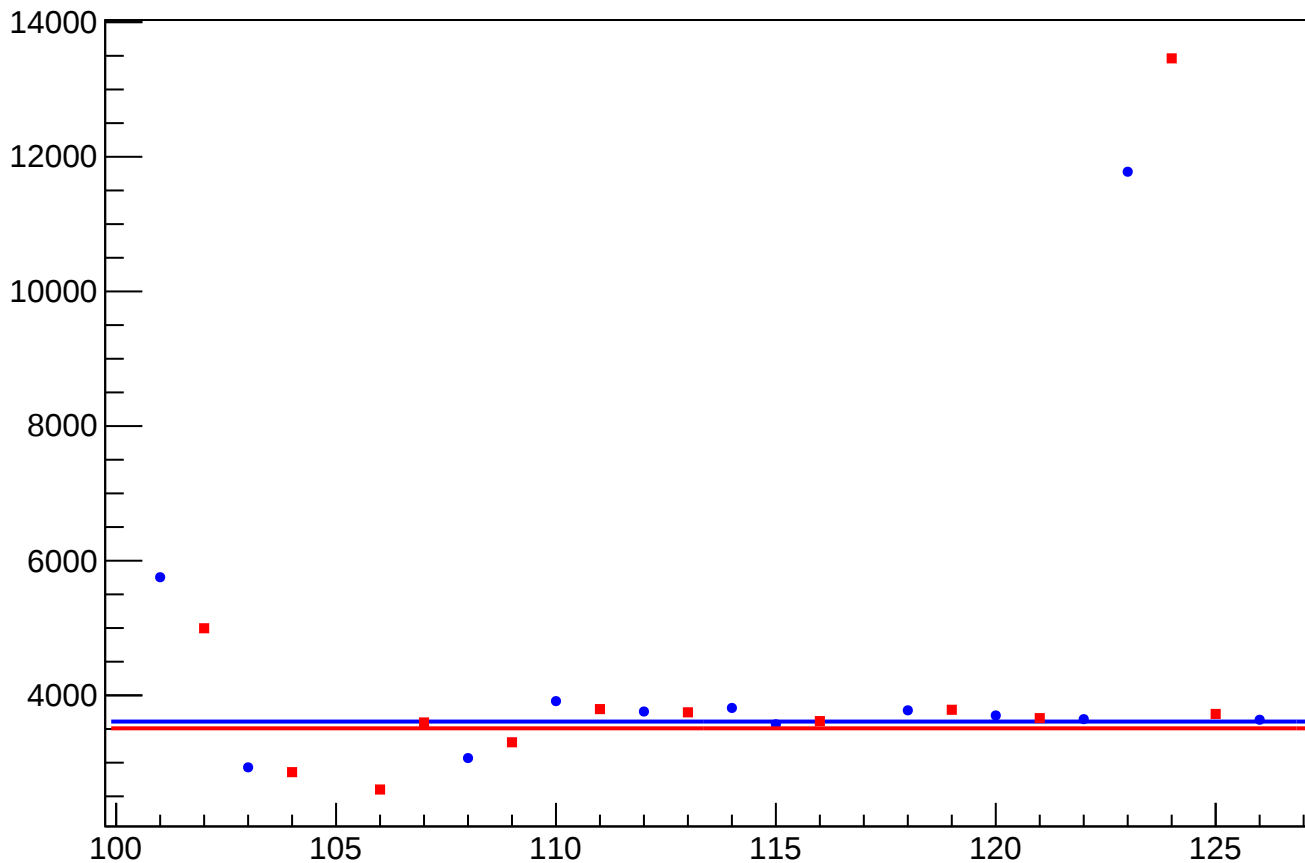
Right: -1763.066+/-1228.218  $\chi^2/\text{NDF}$ : 21.2/23

In: -1928.919+/-1792.694  $\chi^2/\text{NDF}$ : 14.5/11

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

All: -1763.066+/-1228.218  $\chi^2/\text{NDF}$ : 21.2/23

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



Right In: 3610.759+/-1.268  $\chi^2/\text{NDF}$ : 286602.5/11

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

Right Out: 3510.138+/-1.192  $\chi^2/\text{NDF}$ : 359601.6/11

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

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

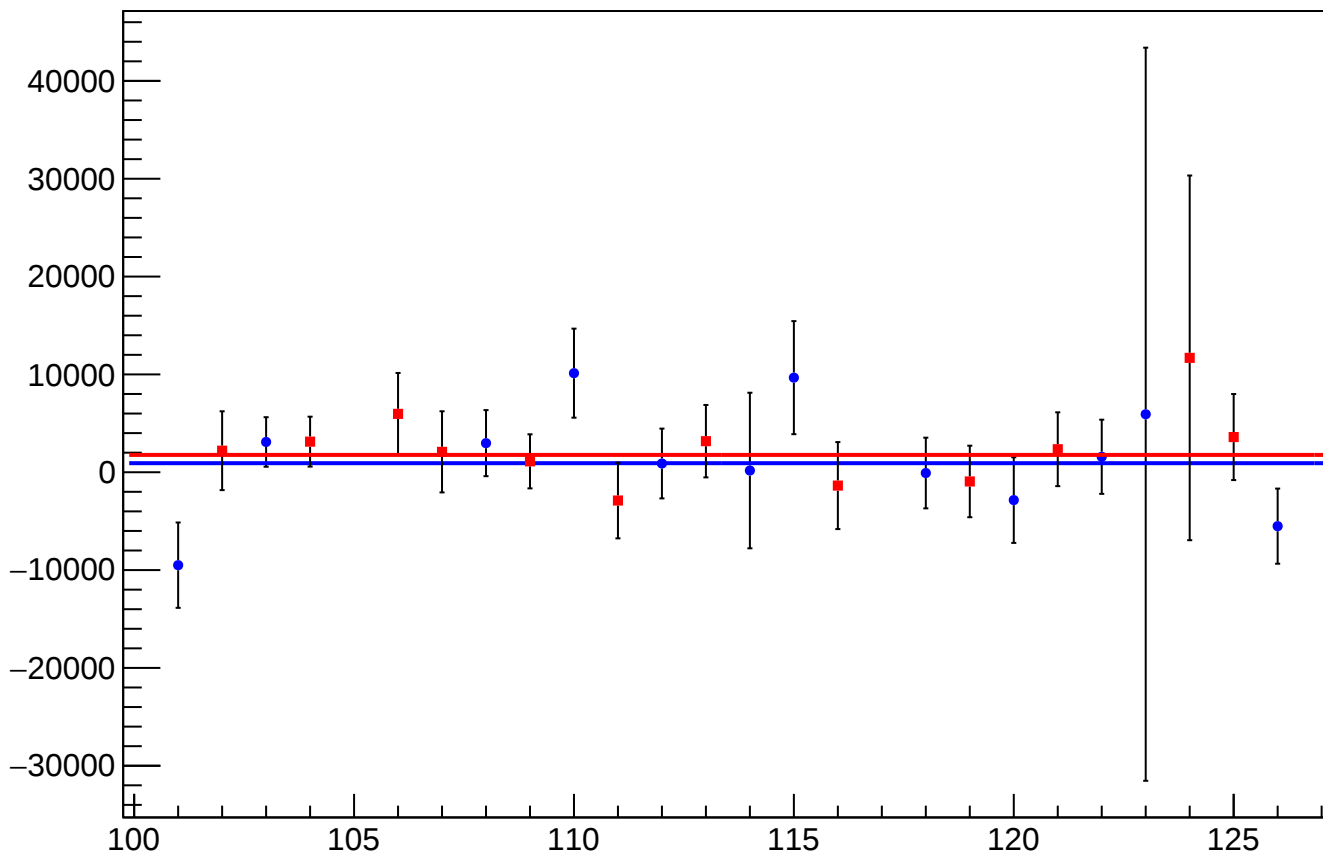
Right: 3557.367+/-0.868  $\chi^2/\text{NDF}$ : 649547.5/23

In: 3610.759+/-1.268  $\chi^2/\text{NDF}$ : 286602.5/11

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

All: 3557.367+/-0.868  $\chi^2/\text{NDF}$ : 649547.5/23

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



Right In: 926.083+/-1165.614  $\chi^2/\text{NDF}$ : 16.9/11

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

Right Out: 1771.404+/-1083.463  $\chi^2/\text{NDF}$ : 4.5/11

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

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

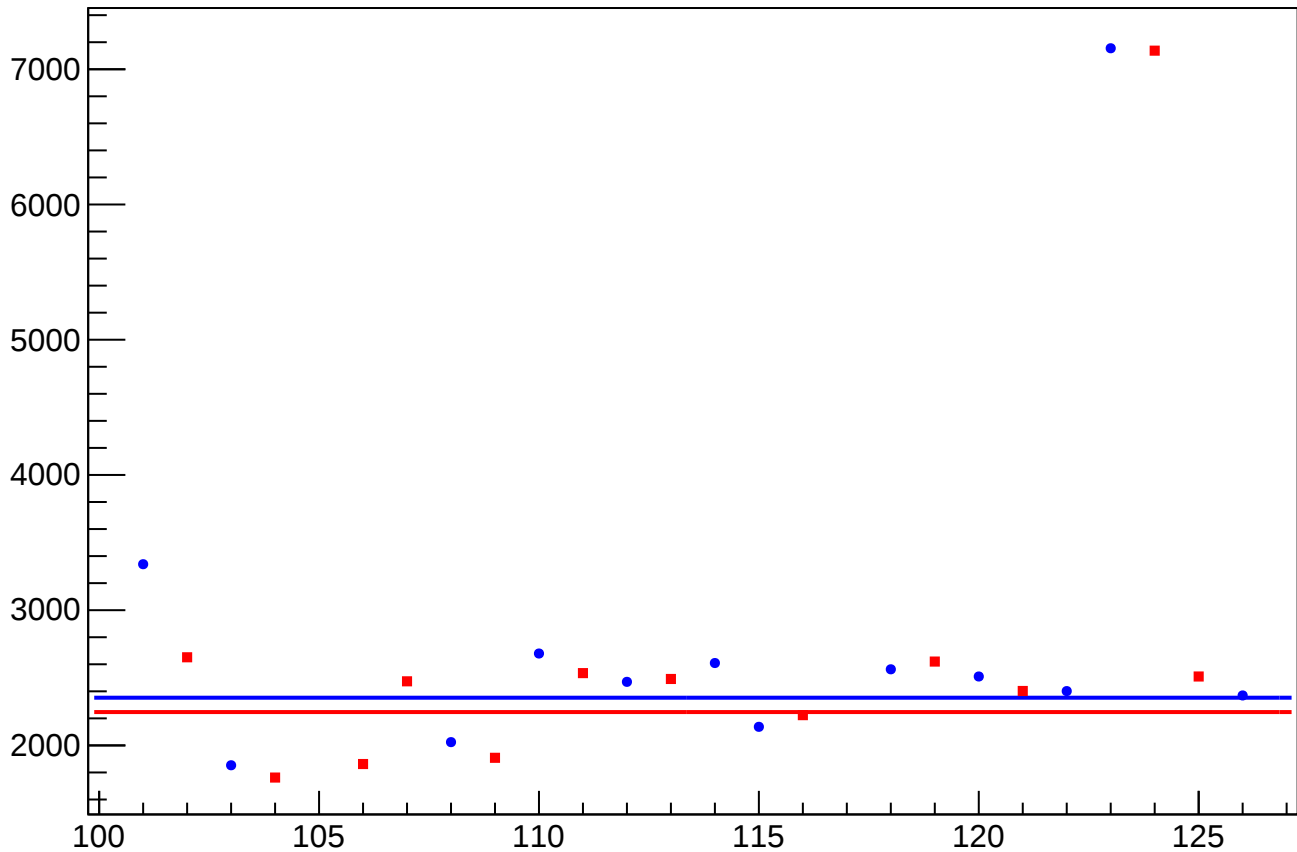
Right: 1379.579+/-793.579  $\chi^2/\text{NDF}$ : 21.7/23

In: 926.083+/-1165.614  $\chi^2/\text{NDF}$ : 16.9/11

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

All: 1379.579+/-793.579  $\chi^2/\text{NDF}$ : 21.7/23

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



Right In: 2352.819+/-0.824  $\chi^2/\text{NDF}$ : 259188.0/11

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

Right Out: 2246.626+/-0.766  $\chi^2/\text{NDF}$ : 334276.3/11

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

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

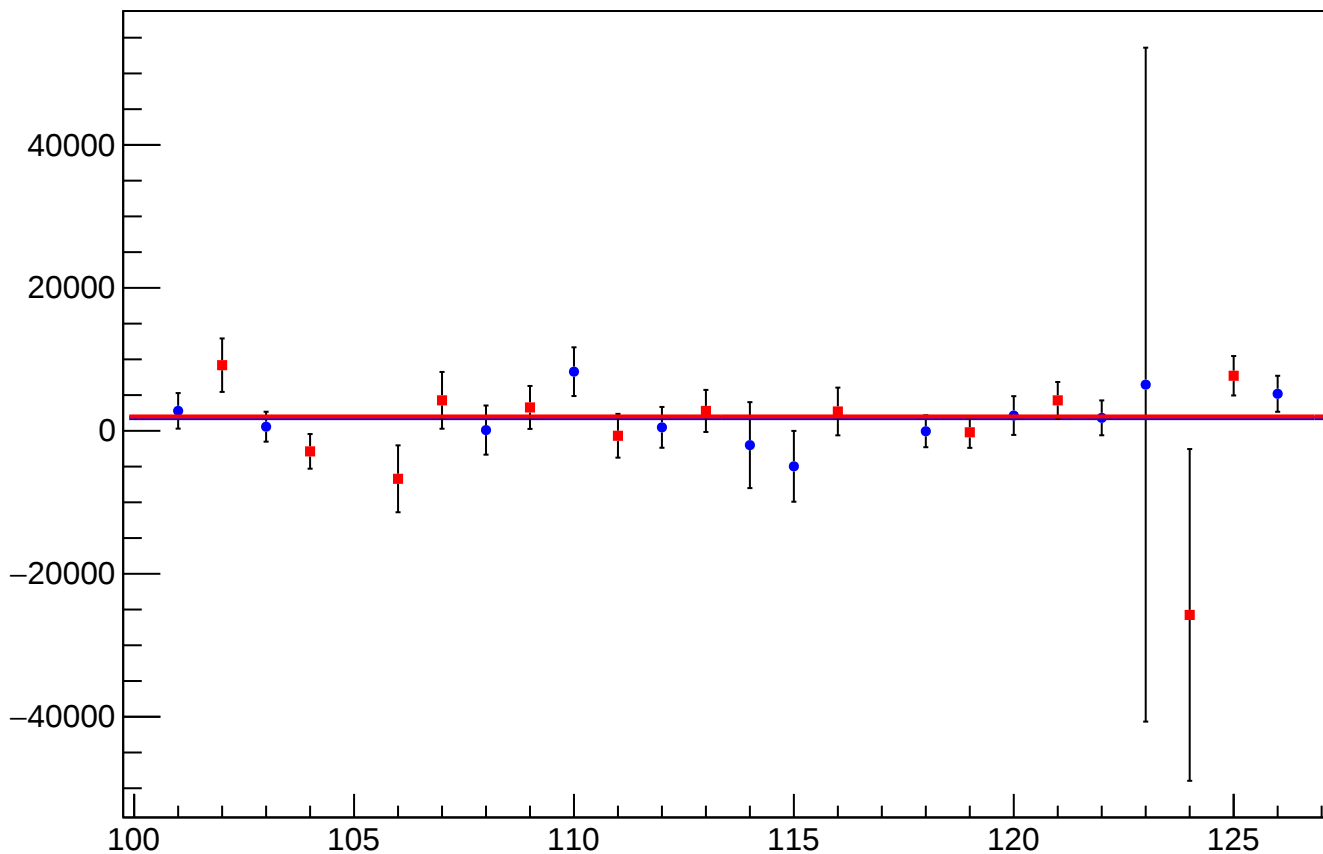
Right: 2295.849+/-0.561  $\chi^2/\text{NDF}$ : 602369.9/23

In: 2352.819+/-0.824  $\chi^2/\text{NDF}$ : 259188.0/11

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

All: 2295.849+/-0.561  $\chi^2/\text{NDF}$ : 602369.9/23

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



Right In: 1776.308+/-840.678  $\chi^2/\text{NDF}$ : 9.4/11

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

Right Out: 2011.660+/-887.892  $\chi^2/\text{NDF}$ : 20.1/11

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

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

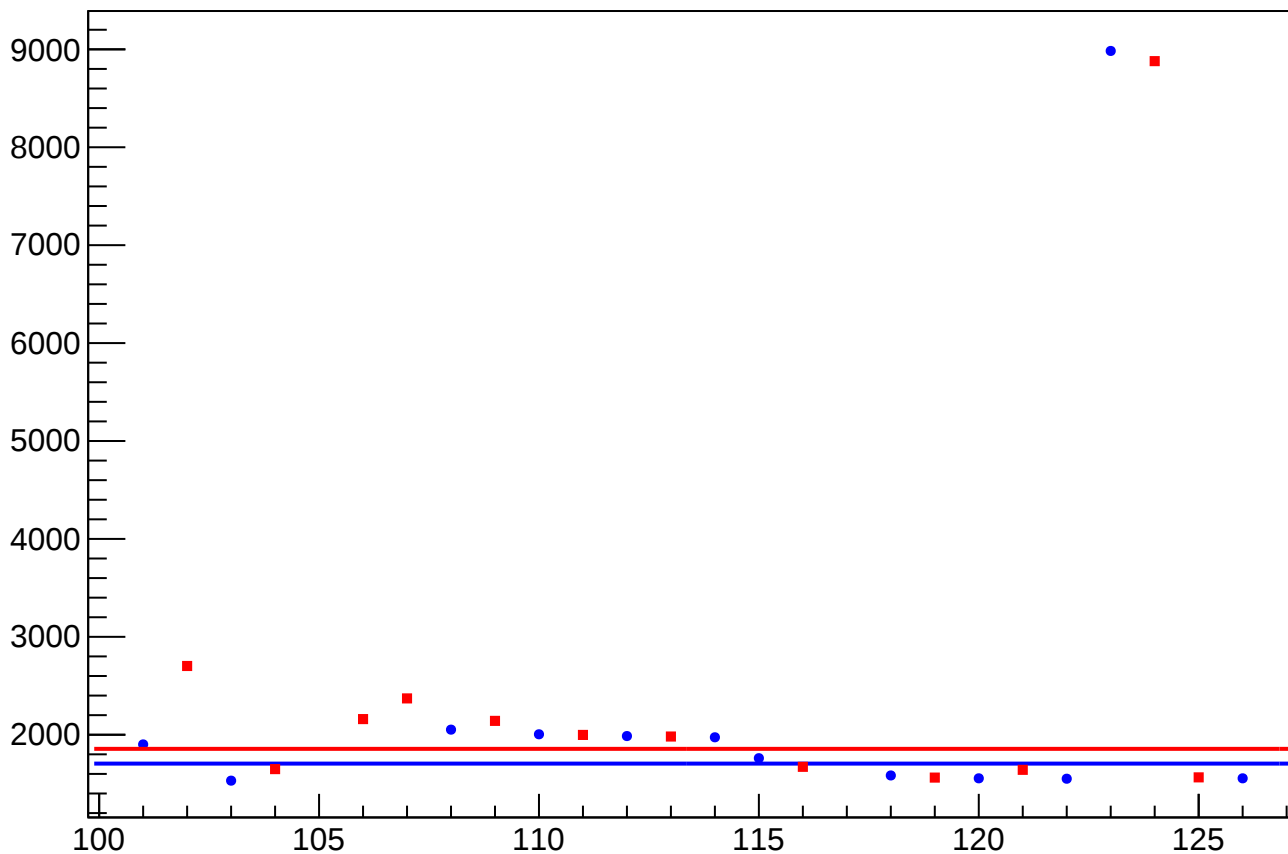
Right: 1887.561+/-610.458  $\chi^2/\text{NDF}$ : 29.5/23

In: 1776.308+/-840.678  $\chi^2/\text{NDF}$ : 9.4/11

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

All: 1887.561+/-610.458  $\chi^2/\text{NDF}$ : 29.5/23

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



Right In: 1705.315+/-0.594  $\chi^2/\text{NDF}$ : 160564.4/11

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

Right Out: 1855.955+/-0.626  $\chi^2/\text{NDF}$ : 448493.6/11

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

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

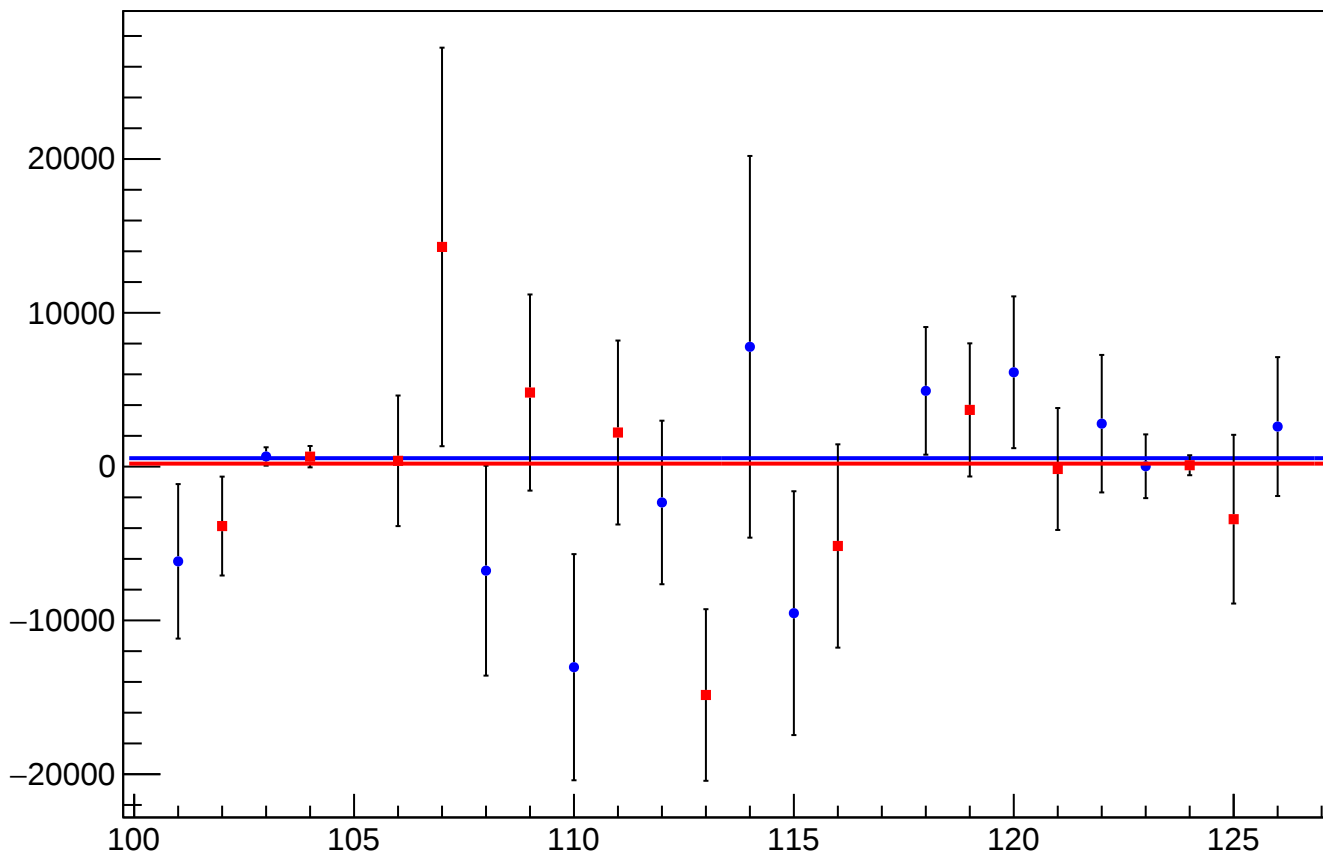
Right: 1776.792+/-0.431  $\chi^2/\text{NDF}$ : 639528.5/23

In: 1705.315+/-0.594  $\chi^2/\text{NDF}$ : 160564.4/11

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

All: 1776.792+/-0.431  $\chi^2/\text{NDF}$ : 639528.5/23

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



Right In: 547.624+/-543.977  $\chi^2/\text{NDF}$ : 11.6/11

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

Right Out: 194.239+/-453.581  $\chi^2/\text{NDF}$ : 12.9/11

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

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

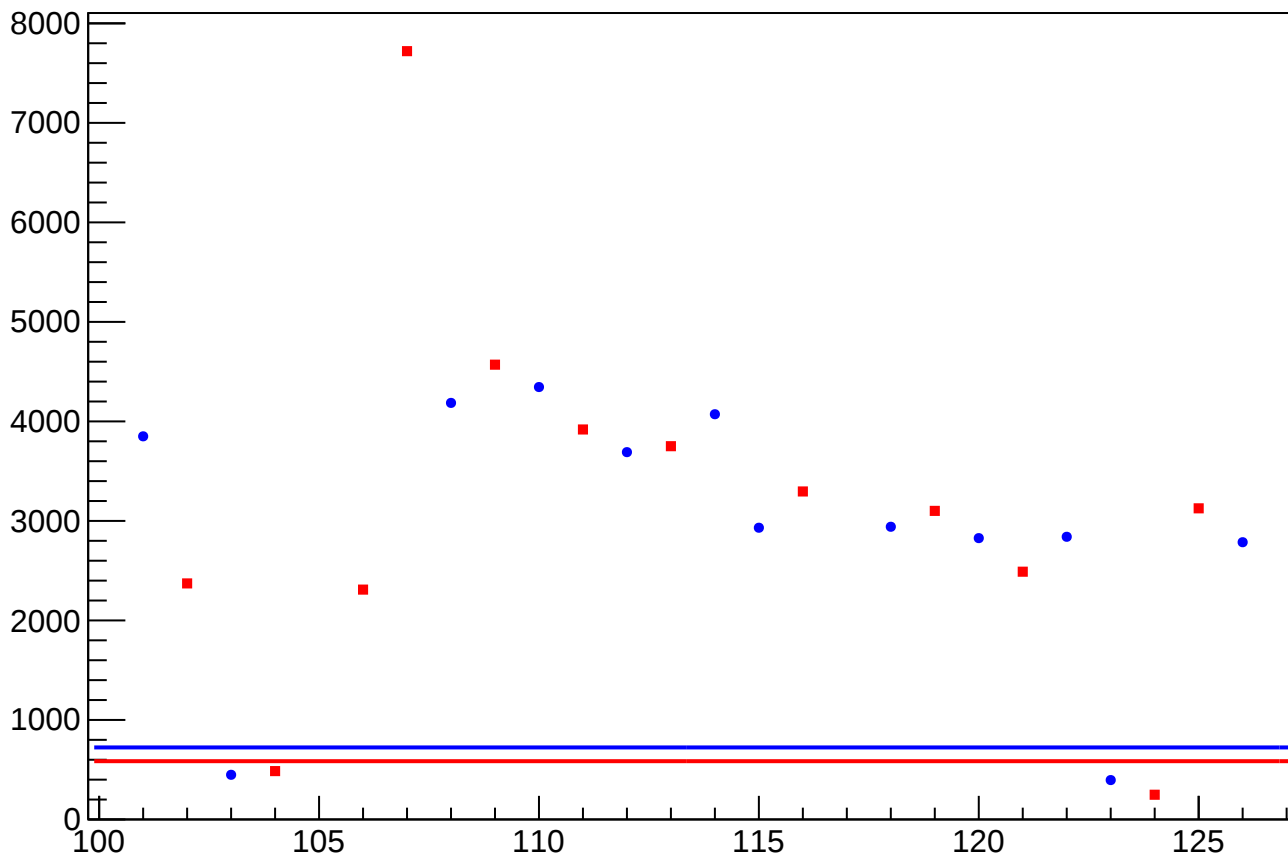
Right: 339.169+/-348.367  $\chi^2/\text{NDF}$ : 24.7/23

In: 547.624+/-543.977  $\chi^2/\text{NDF}$ : 11.6/11

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

All: 339.169+/-348.367  $\chi^2/\text{NDF}$ : 24.7/23

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



Right In: 723.753+/-0.385  $\chi^2/\text{NDF}$ : 4974029.0/11

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

Right Out: 585.588+/-0.321  $\chi^2/\text{NDF}$ : 6082230.2/11

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

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

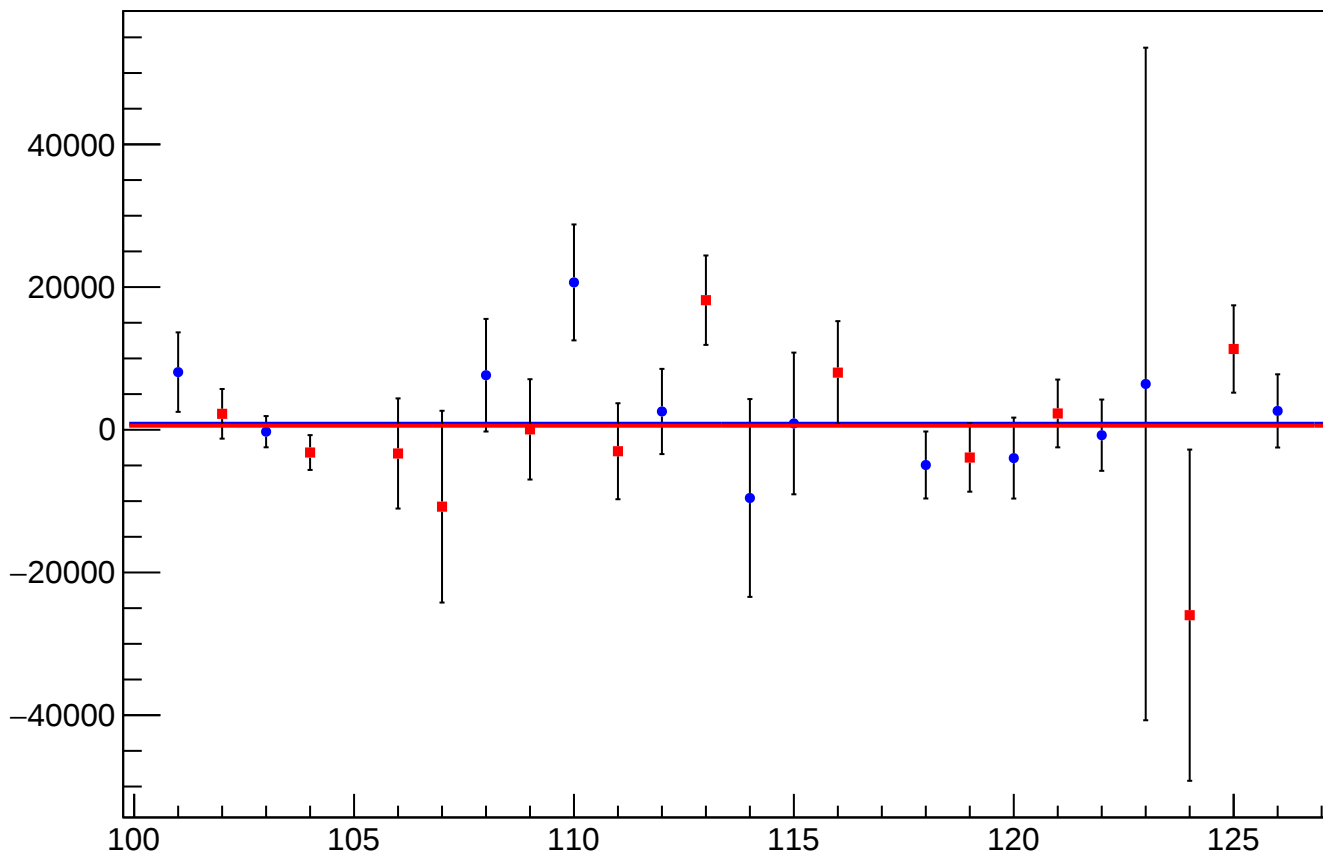
Right: 642.252+/-0.246  $\chi^2/\text{NDF}$ : 11132366.0/23

In: 723.753+/-0.385  $\chi^2/\text{NDF}$ : 4974029.0/11

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

All: 642.252+/-0.246  $\chi^2/\text{NDF}$ : 11132366.0/23

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



Right In: 844.458+/-1457.775  $\chi^2/\text{NDF}$ : 11.8/11

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

Right Out: 568.086+/-1448.859  $\chi^2/\text{NDF}$ : 18.2/11

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

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

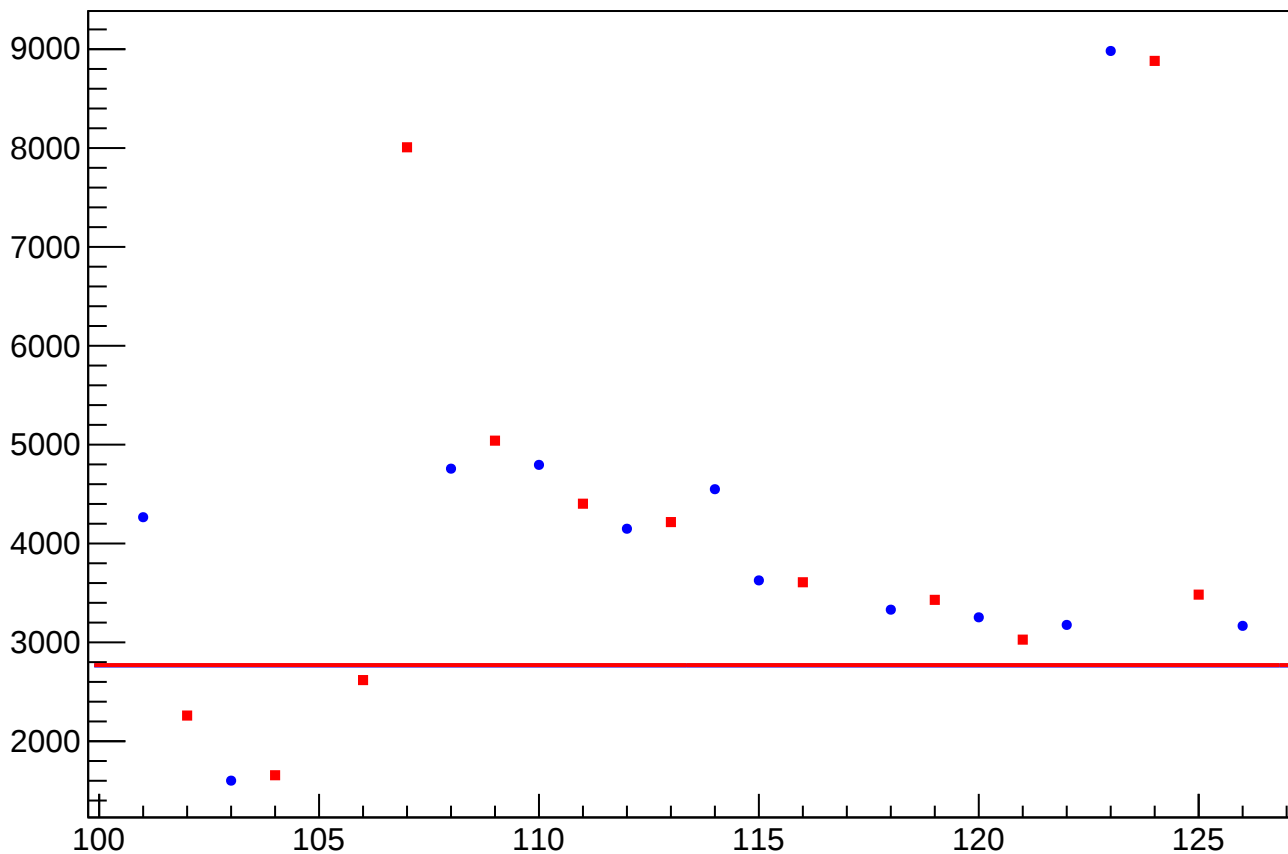
Right: 705.424+/-1027.636  $\chi^2/\text{NDF}$ : 30.0/23

In: 844.458+/-1457.775  $\chi^2/\text{NDF}$ : 11.8/11

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

All: 705.424+/-1027.636  $\chi^2/\text{NDF}$ : 30.0/23

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



Right In: 2765.943+/-1.031  $\chi^2/\text{NDF}$ : 1223315.7/11

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

Right Out: 2770.135+/-1.006  $\chi^2/\text{NDF}$ : 1434964.5/11

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

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

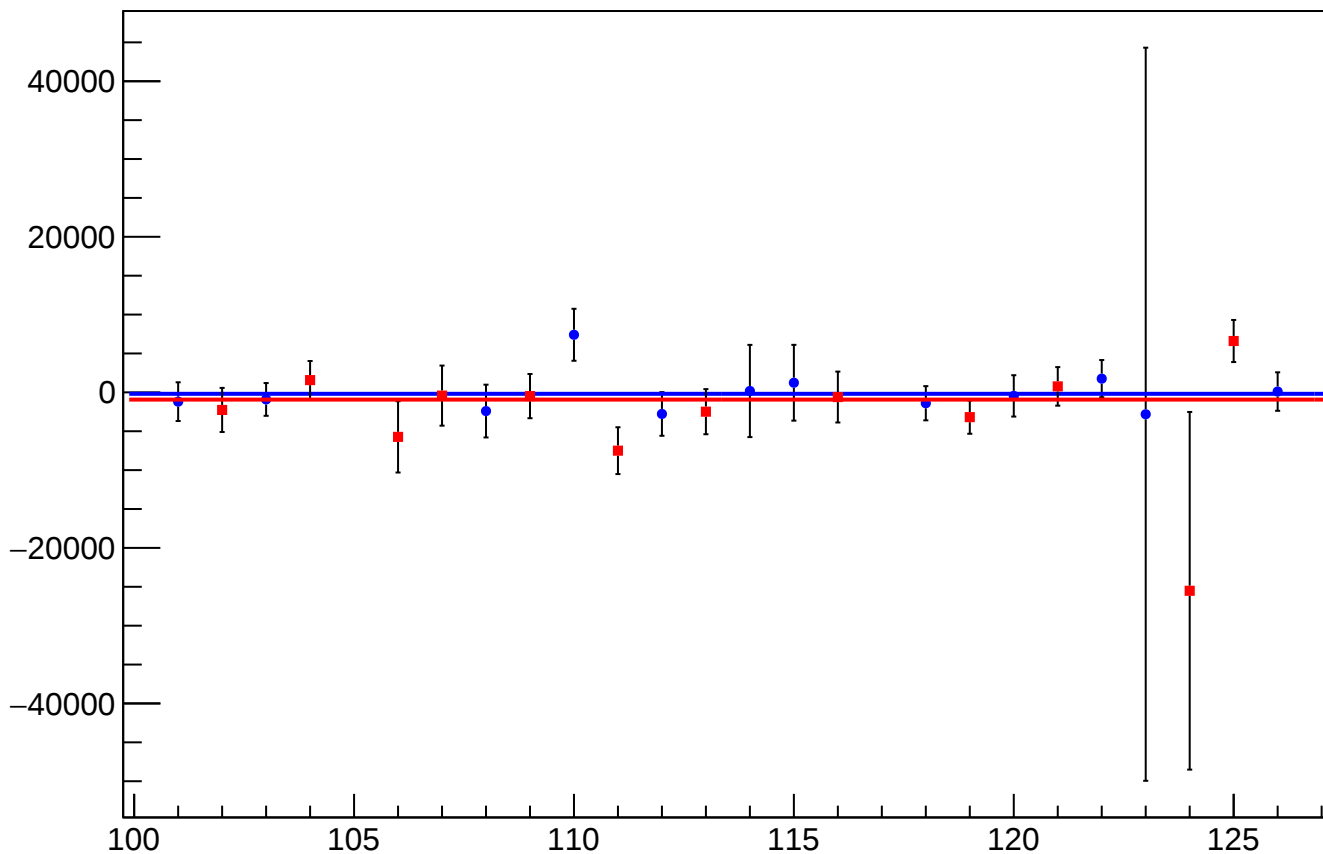
Right: 2768.090+/-0.720  $\chi^2/\text{NDF}$ : 2658288.7/23

In: 2765.943+/-1.031  $\chi^2/\text{NDF}$ : 1223315.7/11

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

All: 2768.090+/-0.720  $\chi^2/\text{NDF}$ : 2658288.7/23

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



Right In: -188.019+/-831.200  $\chi^2/\text{NDF}$ : 7.8/11

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

Right Out: -932.493+/-853.967  $\chi^2/\text{NDF}$ : 17.9/11

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

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

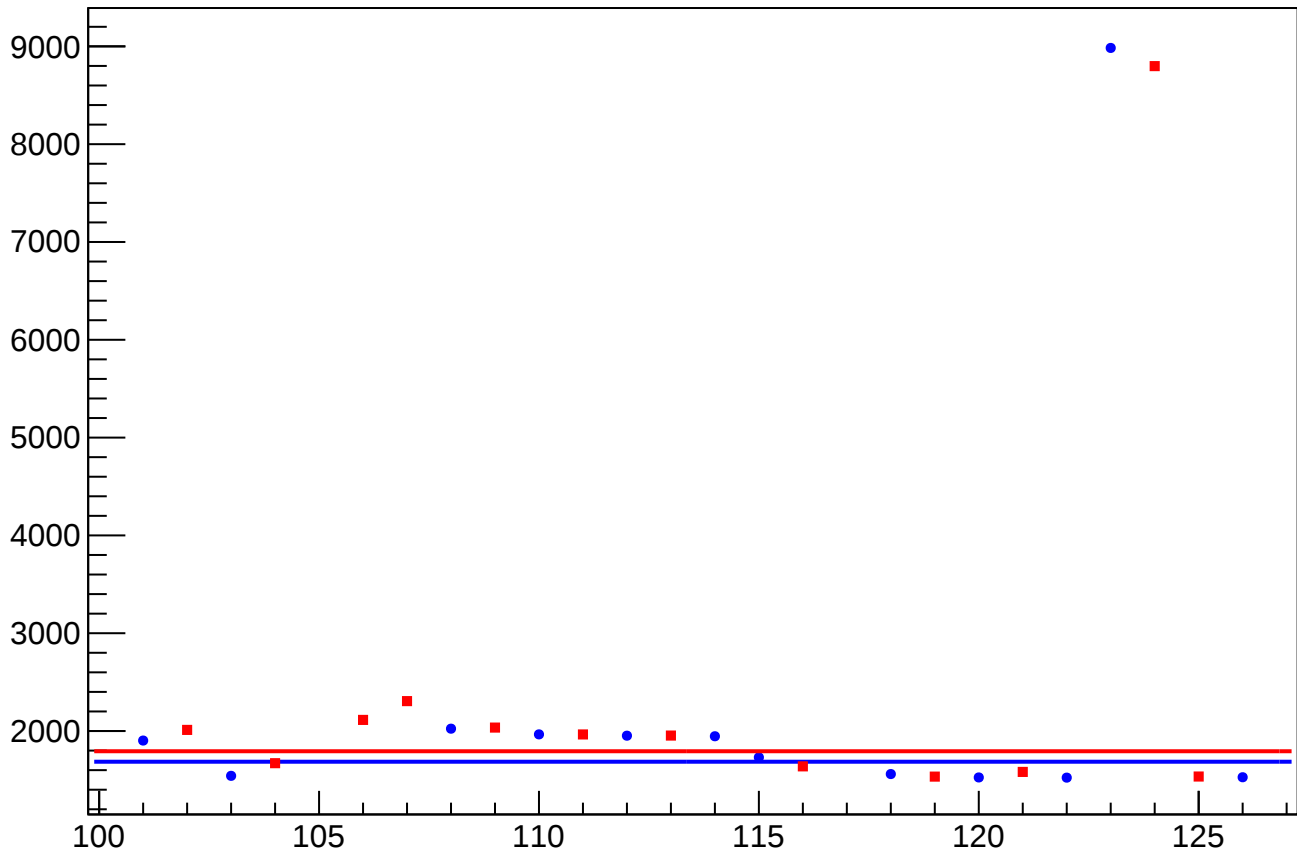
Right: -550.200+/-595.633  $\chi^2/\text{NDF}$ : 26.1/23

In: -188.019+/-831.200  $\chi^2/\text{NDF}$ : 7.8/11

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

All: -550.200+/-595.633  $\chi^2/\text{NDF}$ : 26.1/23

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



Right In: 1686.151+/-0.588  $\chi^2/\text{NDF}$ : 159692.9/11

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

Right Out: 1793.236+/-0.602  $\chi^2/\text{NDF}$ : 343182.2/11

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

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

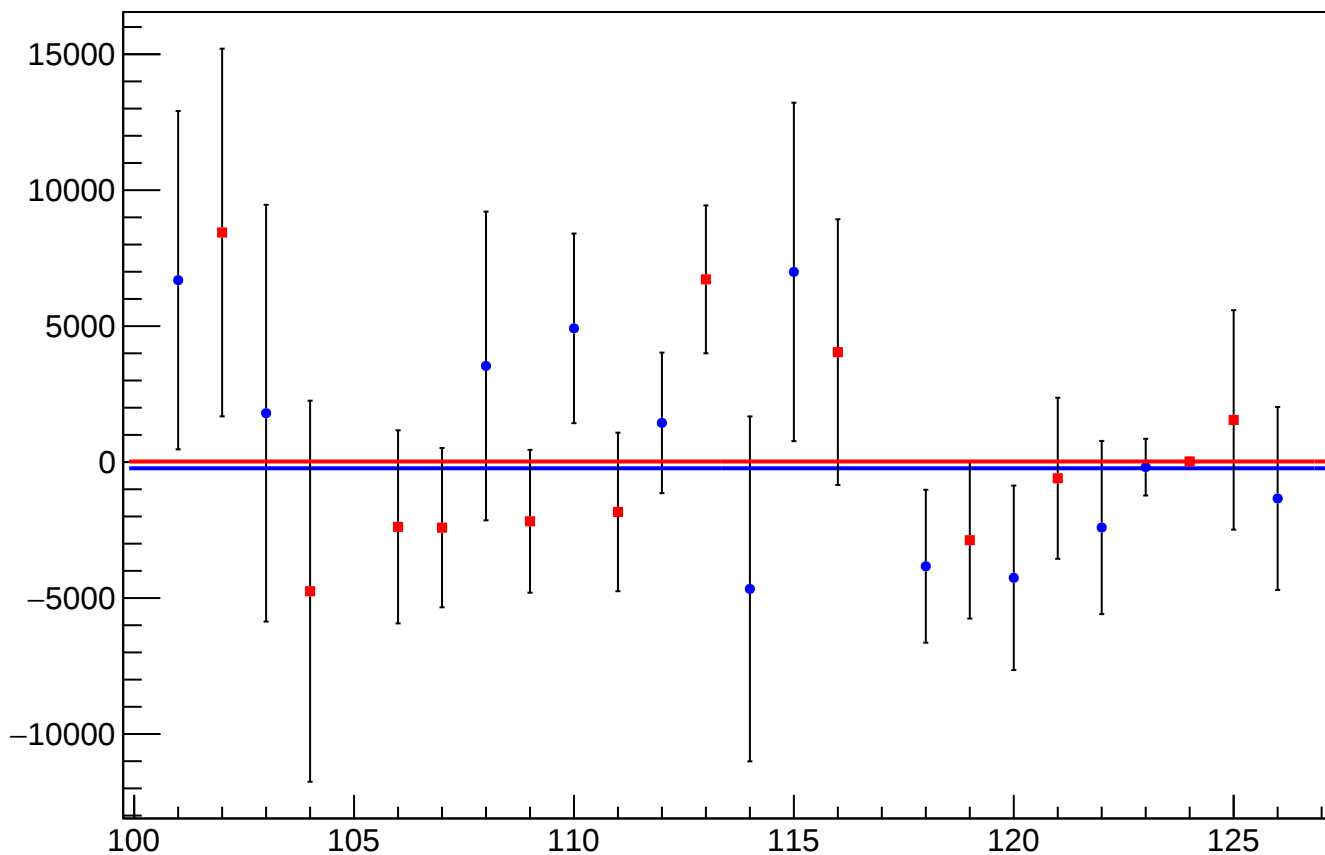
Right: 1738.436+/-0.420  $\chi^2/\text{NDF}$ : 519082.8/23

In: 1686.151+/-0.588  $\chi^2/\text{NDF}$ : 159692.9/11

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

All: 1738.436+/-0.420  $\chi^2/\text{NDF}$ : 519082.8/23

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



Right In: -228.033+/-772.359  $\chi^2/\text{NDF}$ : 9.8/11

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

Right Out: 22.198+/-114.333  $\chi^2/\text{NDF}$ : 12.2/11

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

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

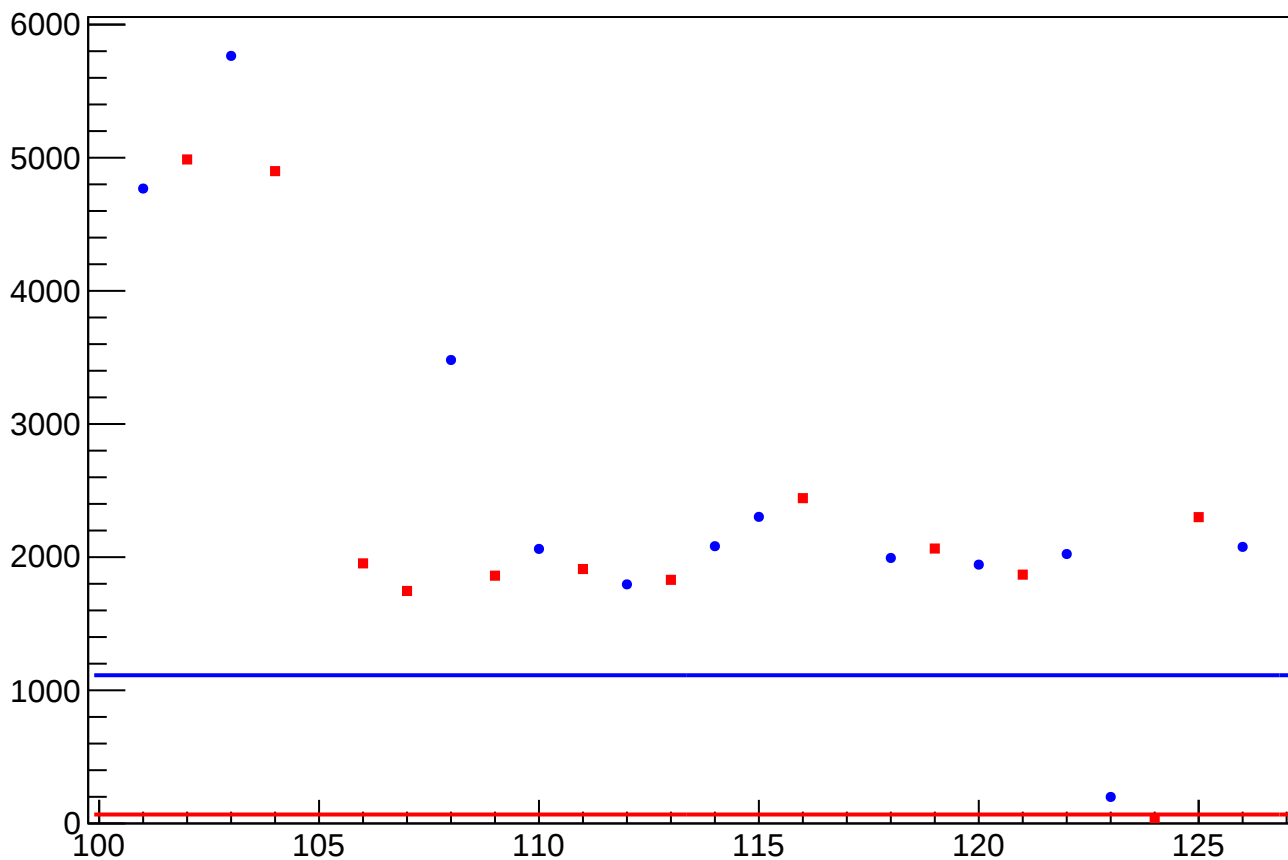
Right: 16.832+/-113.101  $\chi^2/\text{NDF}$ : 22.1/23

In: -228.033+/-772.359  $\chi^2/\text{NDF}$ : 9.8/11

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

All: 16.832+/-113.101  $\chi^2/\text{NDF}$ : 22.1/23

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



Right In: 1113.121+/-0.546  $\chi^2/\text{NDF}$ : 4362731.6/11

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

Right Out: 67.143+/-0.081  $\chi^2/\text{NDF}$ : 8691790.7/11

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

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

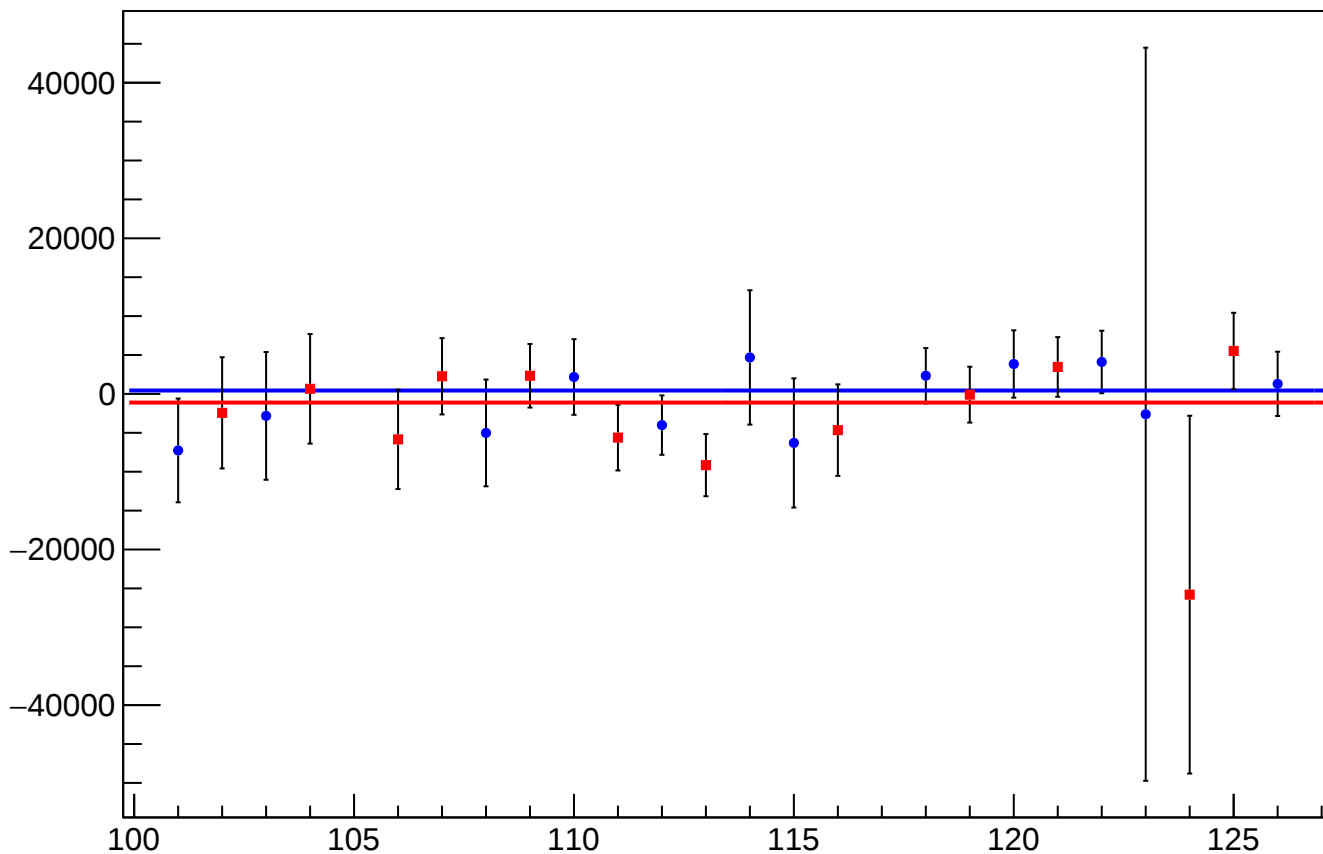
Right: 89.572+/-0.080  $\chi^2/\text{NDF}$ : 16643935.9/23

In: 1113.121+/-0.546  $\chi^2/\text{NDF}$ : 4362731.6/11

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

All: 89.572+/-0.080  $\chi^2/\text{NDF}$ : 16643935.9/23

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



Right In: 436.328+/-1489.323  $\chi^2/\text{NDF}$ : 6.3/11

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

Right Out: -1112.336+/-1410.554  $\chi^2/\text{NDF}$ : 11.9/11

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

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

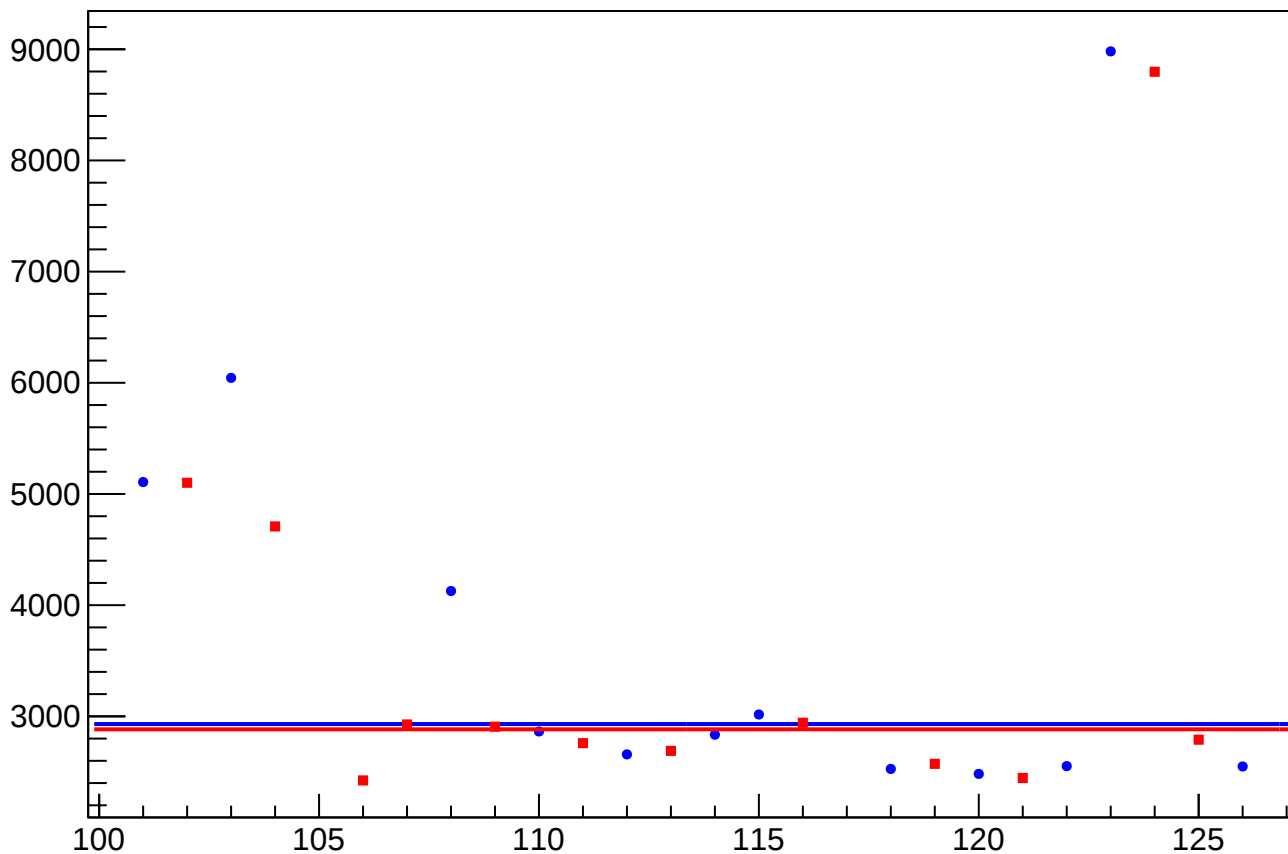
Right: -380.039+/-1024.127  $\chi^2/\text{NDF}$ : 18.7/23

In: 436.328+/-1489.323  $\chi^2/\text{NDF}$ : 6.3/11

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

All: -380.039+/-1024.127  $\chi^2/\text{NDF}$ : 18.7/23

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



Right In: 2930.958+/-1.053  $\chi^2/\text{NDF}$ : 687949.1/11

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

Right Out: 2883.400+/-0.980  $\chi^2/\text{NDF}$ : 525900.3/11

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

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

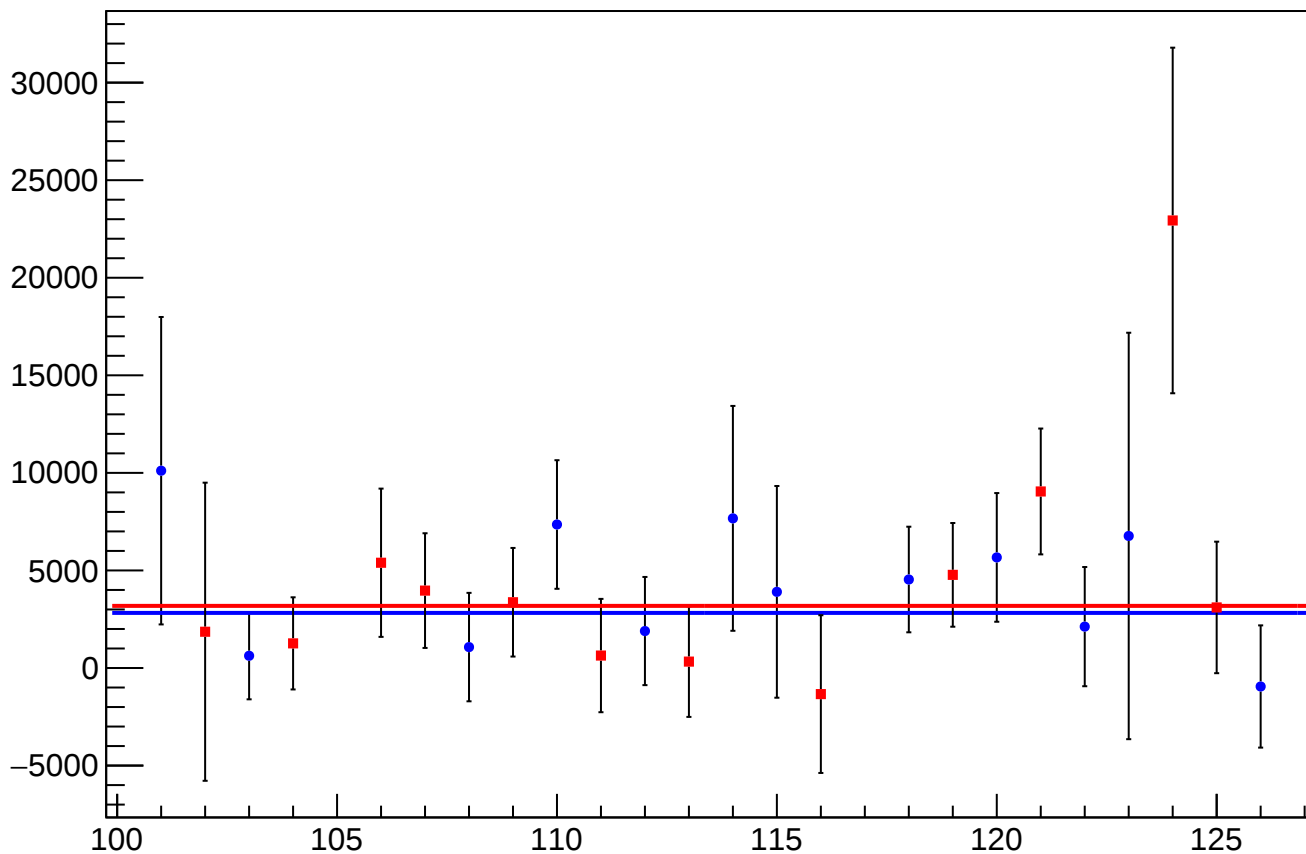
Right: 2905.474+/-0.717  $\chi^2/\text{NDF}$ : 1214942.2/23

In: 2930.958+/-1.053  $\chi^2/\text{NDF}$ : 687949.1/11

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

All: 2905.474+/-0.717  $\chi^2/\text{NDF}$ : 1214942.2/23

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



Right In: 2823.934+/-962.421  $\chi^2/\text{NDF}$ : 7.8/11

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

Right Out: 3184.187+/-931.066  $\chi^2/\text{NDF}$ : 12.8/11

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

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

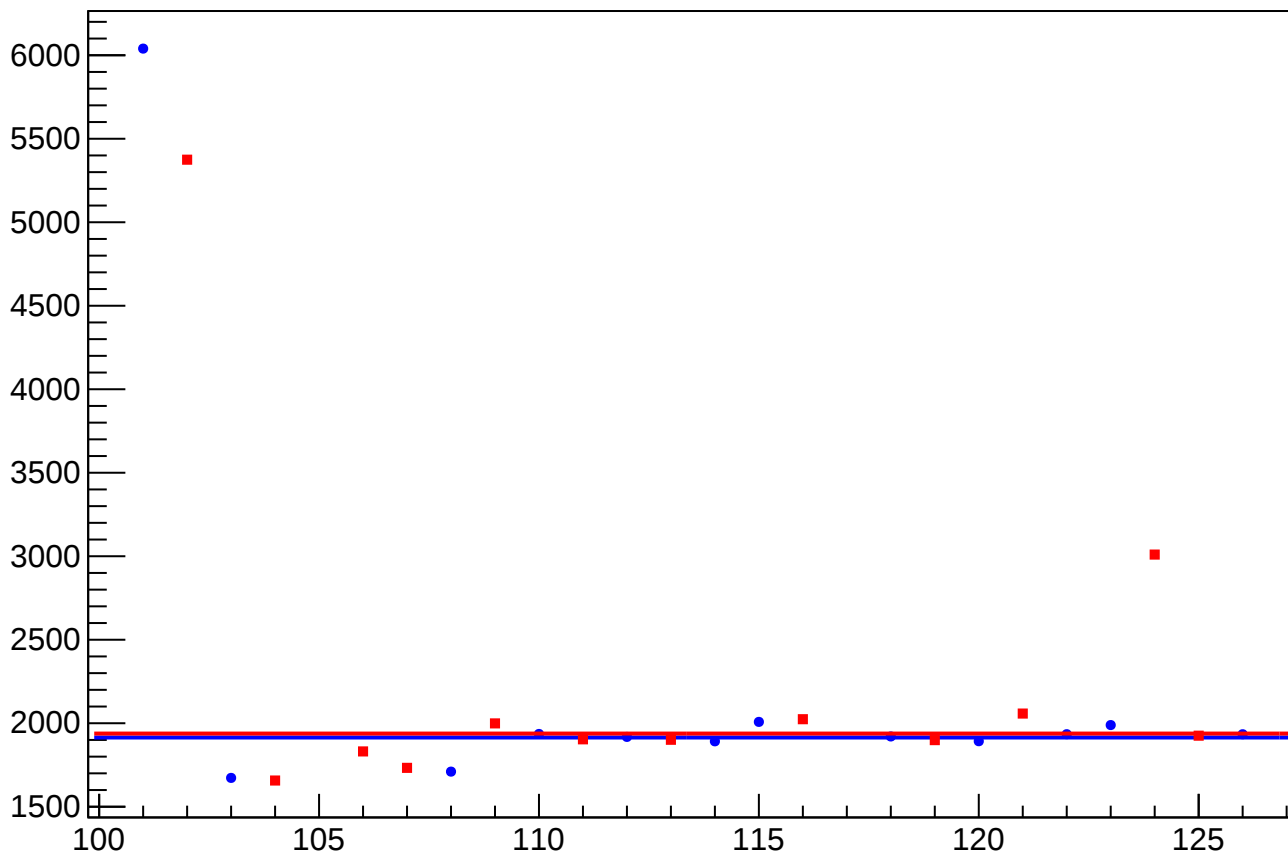
Right: 3010.024+/-669.174  $\chi^2/\text{NDF}$ : 20.6/23

In: 2823.934+/-962.421  $\chi^2/\text{NDF}$ : 7.8/11

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

All: 3010.024+/-669.174  $\chi^2/\text{NDF}$ : 20.6/23

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



Right In: 1914.520+/-0.681  $\chi^2$ /NDF: 583816.8/11

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

Right Out: 1938.153+/-0.658  $\chi^2$ /NDF: 479678.4/11

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

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

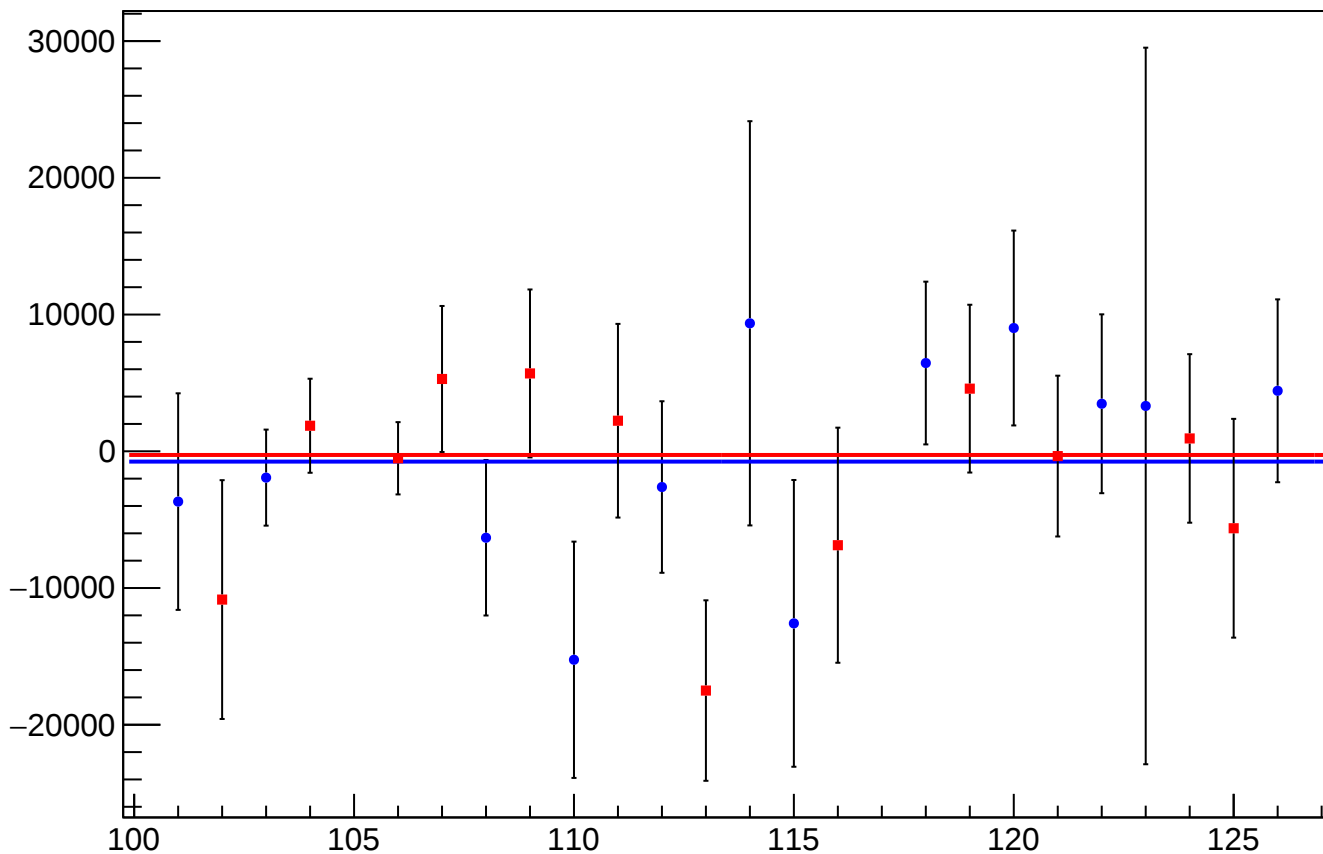
Right: 1926.739+/-0.473  $\chi^2$ /NDF: 1064118.6/23

In: 1914.520+/-0.681  $\chi^2$ /NDF:583816.8/11

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

All: 1926.739+/-0.473  $\chi^2$ /NDF: 1064118.6/23

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



Right In: -754.226+/-1905.062  $\chi^2/\text{NDF}$ : 10.2/11

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

Right Out: -268.948+/-1480.407  $\chi^2/\text{NDF}$ : 12.5/11

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

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

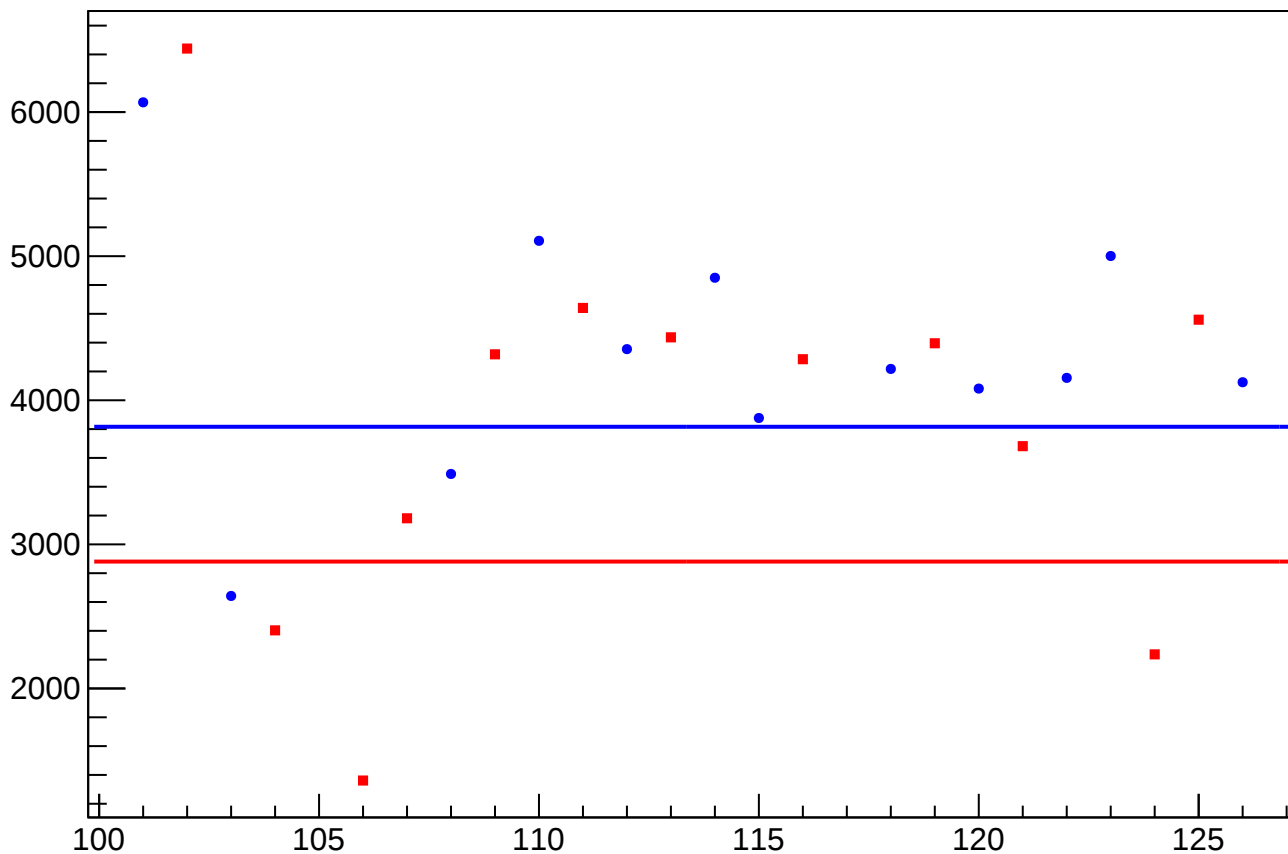
Right: -451.659+/-1168.951  $\chi^2/\text{NDF}$ : 22.8/23

In: -754.226+/-1905.062  $\chi^2/\text{NDF}$ : 10.2/11

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

All: -451.659+/-1168.951  $\chi^2/\text{NDF}$ : 22.8/23

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



Right In: 3816.081+/-1.347  $\chi^2/\text{NDF}$ : 486627.5/11

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

Right Out: 2880.622+/-1.047  $\chi^2/\text{NDF}$ : 1704982.4/11

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

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

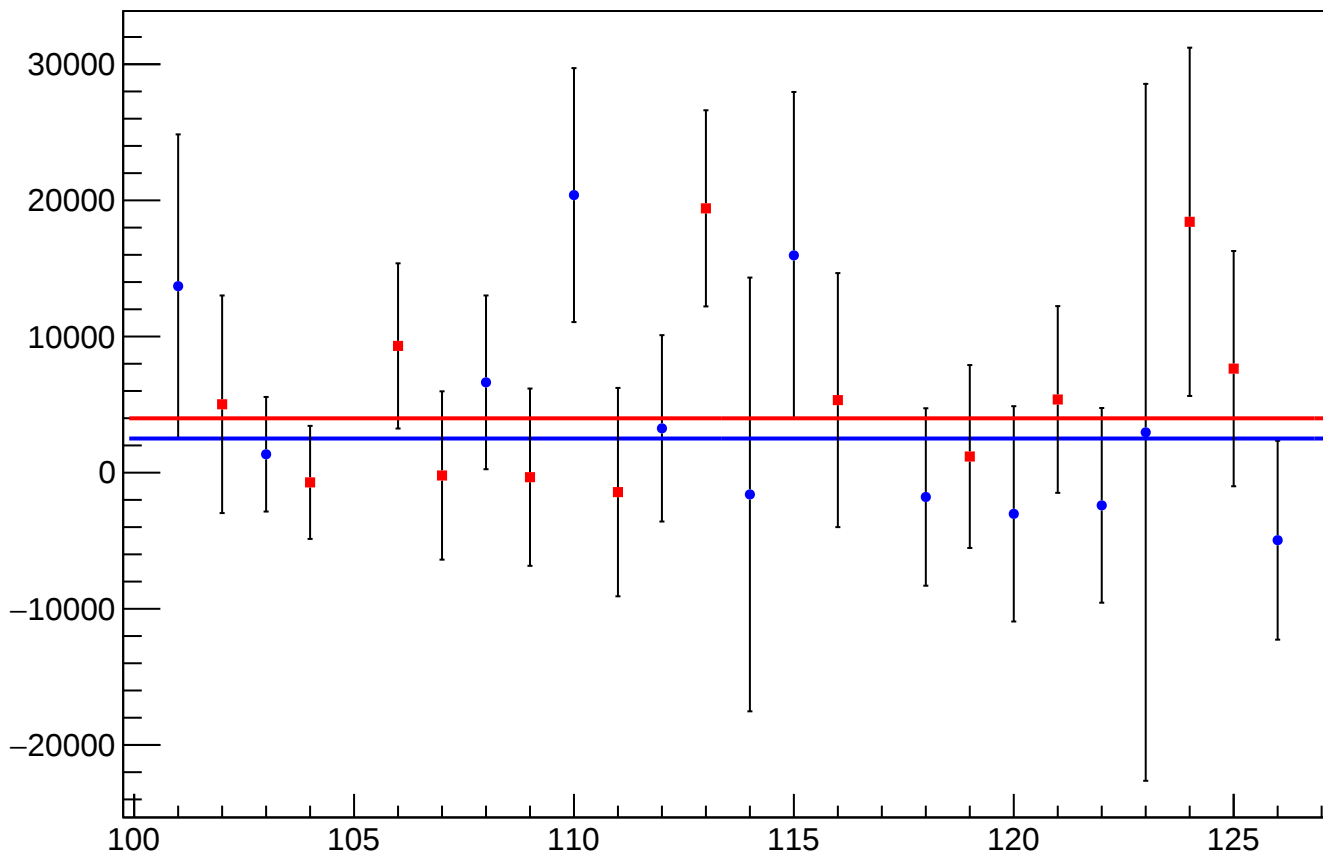
Right: 3232.830+/-0.827  $\chi^2/\text{NDF}$ : 2492281.2/23

In: 3816.081+/-1.347  $\chi^2/\text{NDF}$ : 486627.5/11

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

All: 3232.830+/-0.827  $\chi^2/\text{NDF}$ : 2492281.2/23

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



Right In: 2508.229+/-2171.188  $\chi^2/\text{NDF}$ : 9.0/11

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

Right Out: 3991.713+/-1956.088  $\chi^2/\text{NDF}$ : 9.7/11

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

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

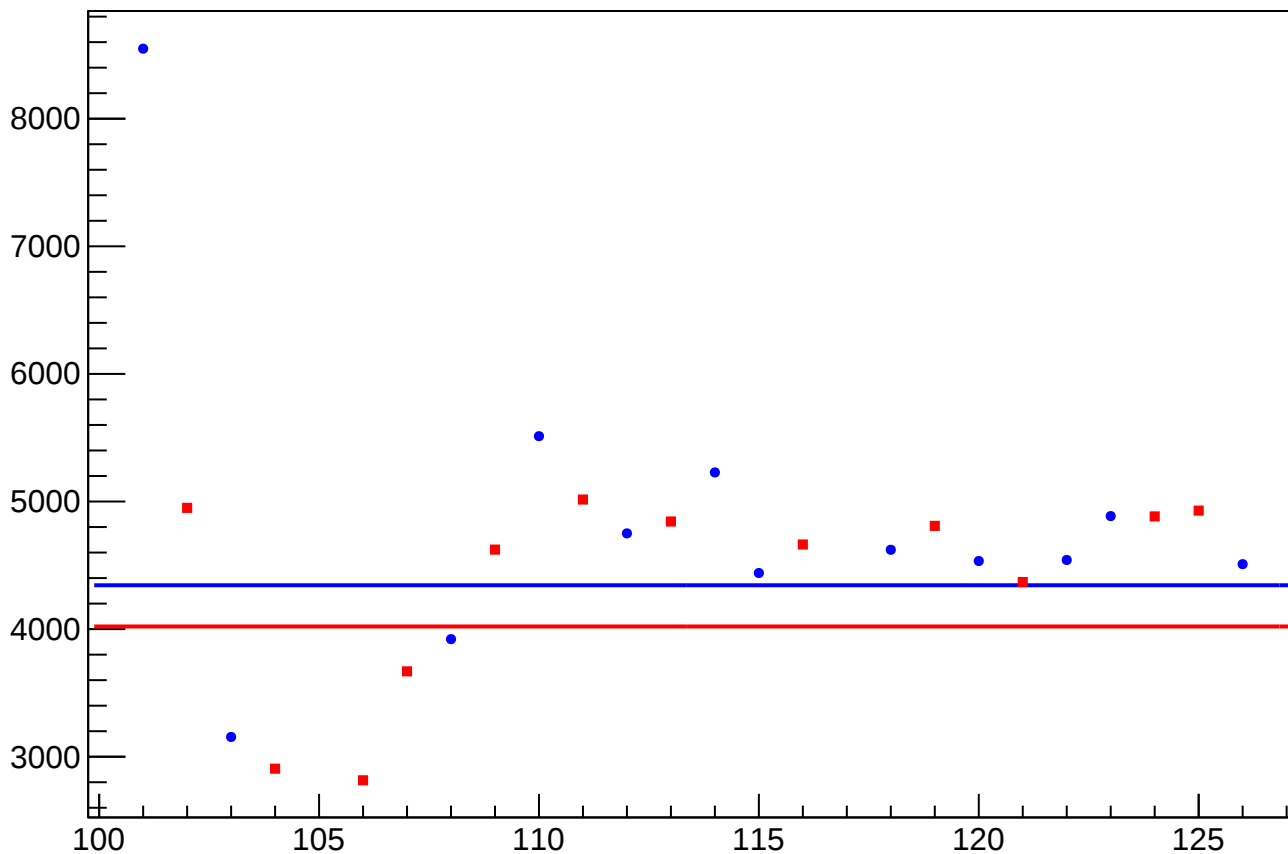
Right: 3327.076+/-1453.277  $\chi^2/\text{NDF}$ : 19.0/23

In: 2508.229+/-2171.188  $\chi^2/\text{NDF}$ :9.0/11

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

All: 3327.076+/-1453.277  $\chi^2/\text{NDF}$ : 19.0/23

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



Right In: 4343.706+/-1.535  $\chi^2/\text{NDF}$ : 505965.4/11

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

Right Out: 4020.675+/-1.373  $\chi^2/\text{NDF}$ : 418332.9/11

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

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

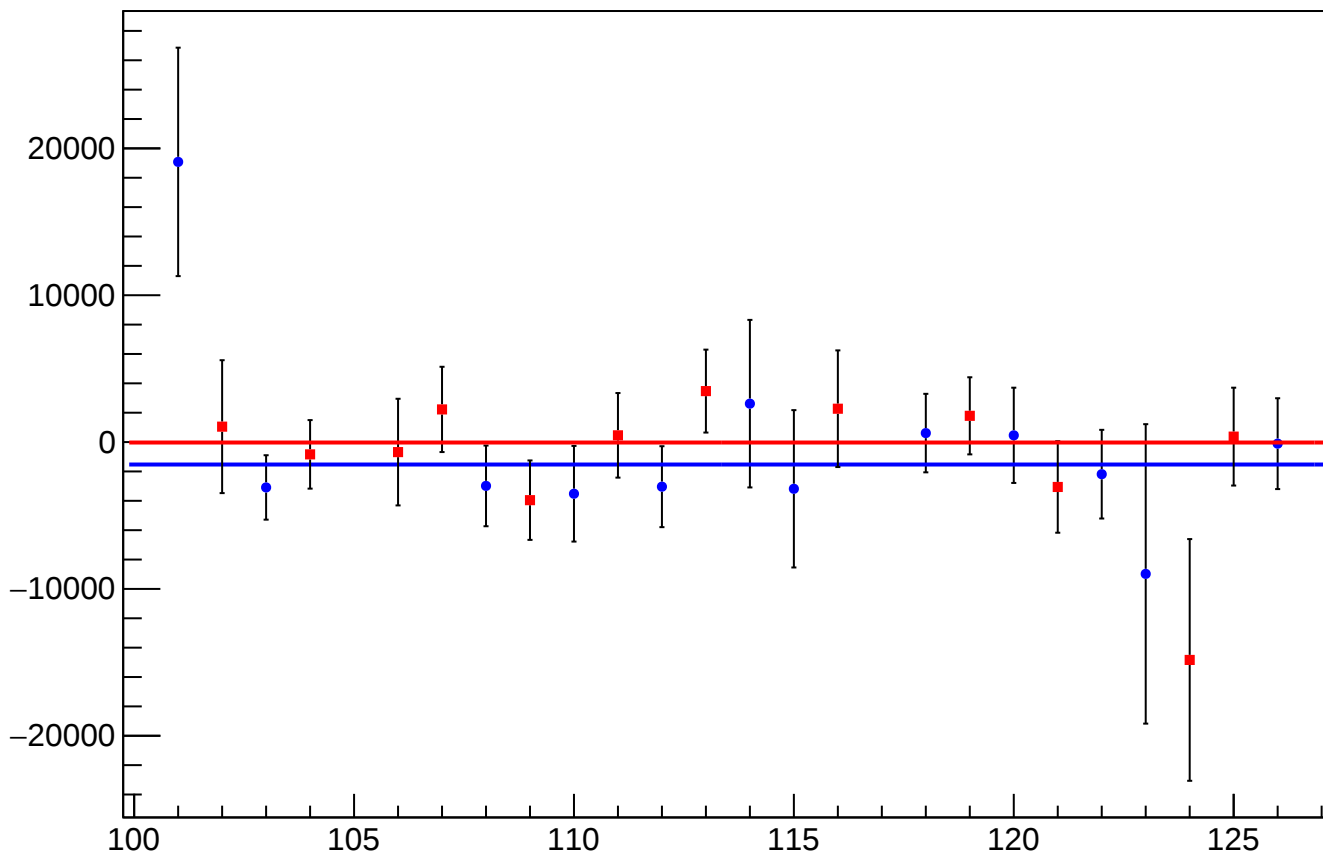
Right: 4164.214+/-1.023  $\chi^2/\text{NDF}$ : 948897.7/23

In: 4343.706+/-1.535  $\chi^2/\text{NDF}$ : 505965.4/11

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

All: 4164.214+/-1.023  $\chi^2/\text{NDF}$ : 948897.7/23

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



Right In: -1528.221+/-950.365  $\chi^2/\text{NDF}$ : 10.9/11

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

Right Out: -30.293+/-903.219  $\chi^2/\text{NDF}$ : 9.5/11

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

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

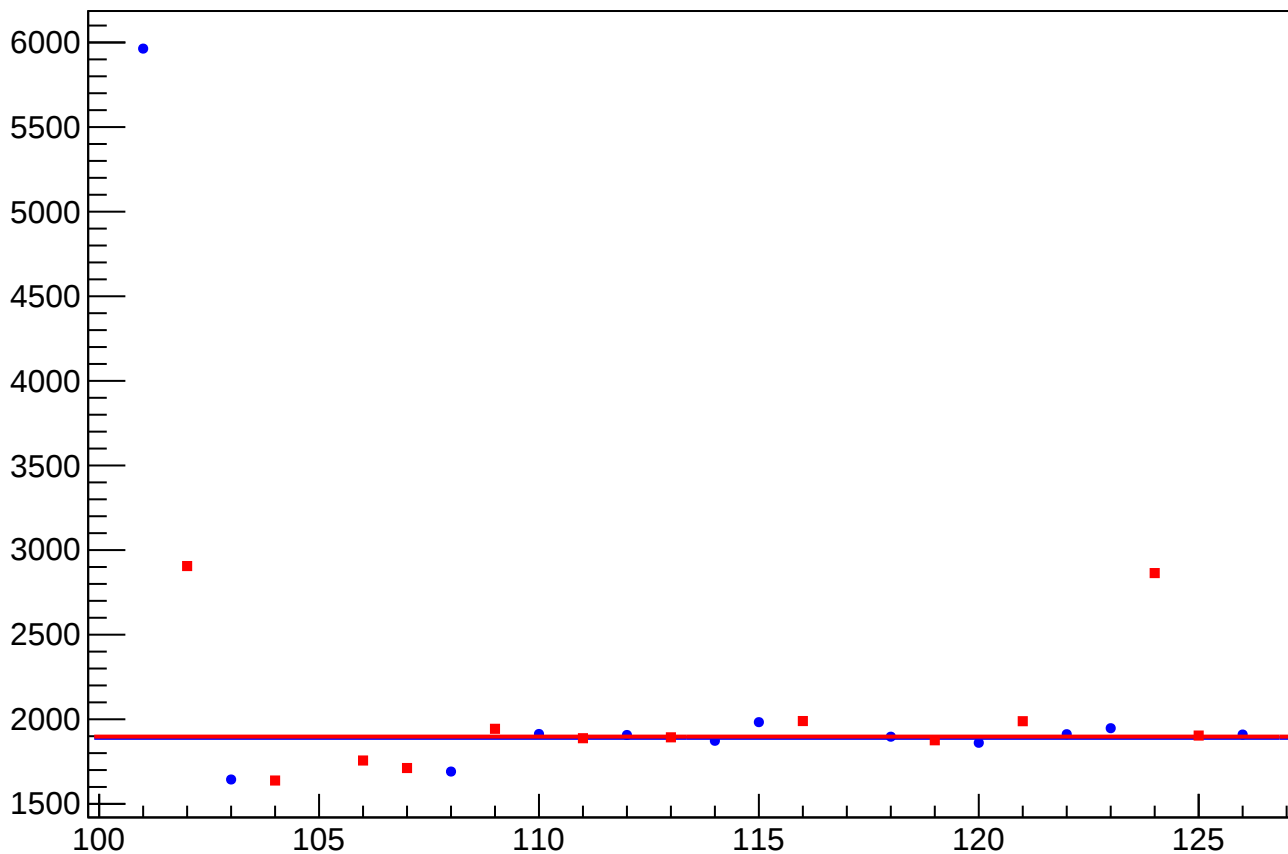
Right: -741.181+/-654.705  $\chi^2/\text{NDF}$ : 21.7/23

In: -1528.221+/-950.365  $\chi^2/\text{NDF}$ : 10.9/11

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

All: -741.181+/-654.705  $\chi^2/\text{NDF}$ : 21.7/23

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



Right In: 1890.302+/-0.672  $\chi^2/\text{NDF}$ : 585381.2/11

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

Right Out: 1897.623+/-0.638  $\chi^2/\text{NDF}$ : 166392.6/11

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

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

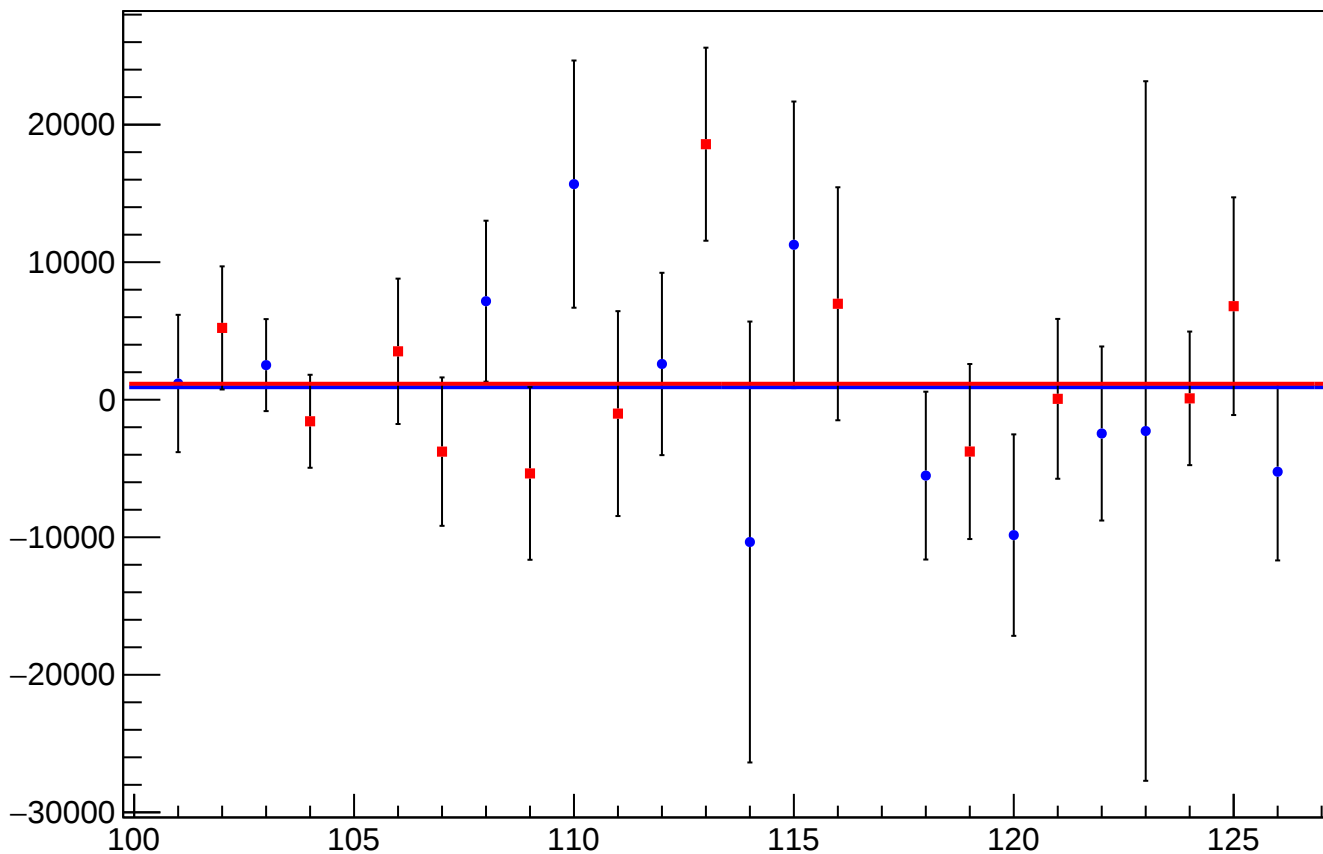
Right: 1894.153+/-0.463  $\chi^2/\text{NDF}$ : 751836.2/23

In: 1890.302+/-0.672  $\chi^2/\text{NDF}$ : 585381.2/11

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

All: 1894.153+/-0.463  $\chi^2/\text{NDF}$ : 751836.2/23

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



Right In: 910.787 $\pm$ 1816.577  $\chi^2$ /NDF: 10.1/11

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

Right Out: 1161.199 $\pm$ 1585.418  $\chi^2$ /NDF: 11.5/11

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

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

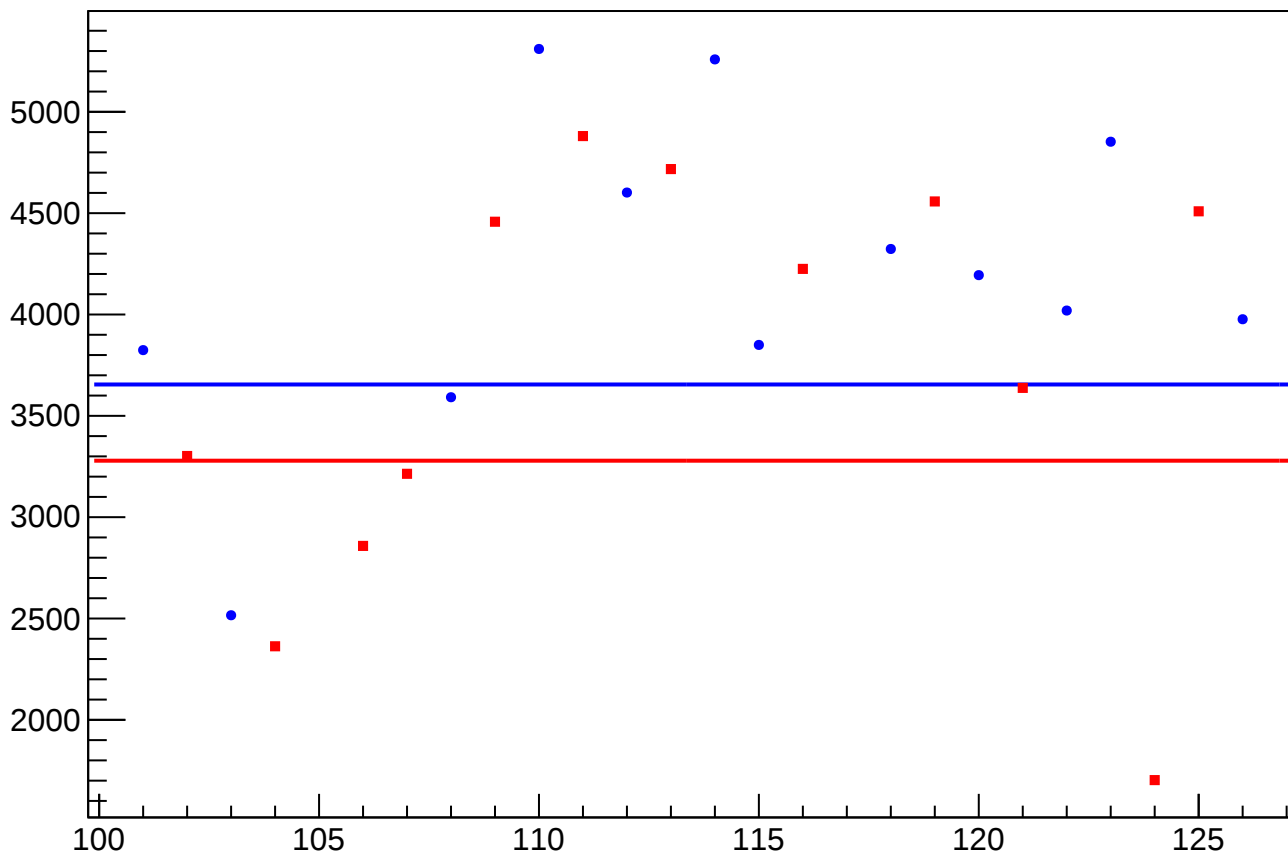
Right: 1052.930 $\pm$ 1194.479  $\chi^2$ /NDF: 21.6/23

In: 910.787 $\pm$ 1816.577  $\chi^2$ /NDF:10.1/11

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

All: 1052.930 $\pm$ 1194.479  $\chi^2$ /NDF: 21.6/23

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



Right In: 3654.739+/-1.285  $\chi^2/\text{NDF}$ : 414674.6/11

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

Right Out: 3278.689+/-1.121  $\chi^2/\text{NDF}$ : 779170.8/11

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

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

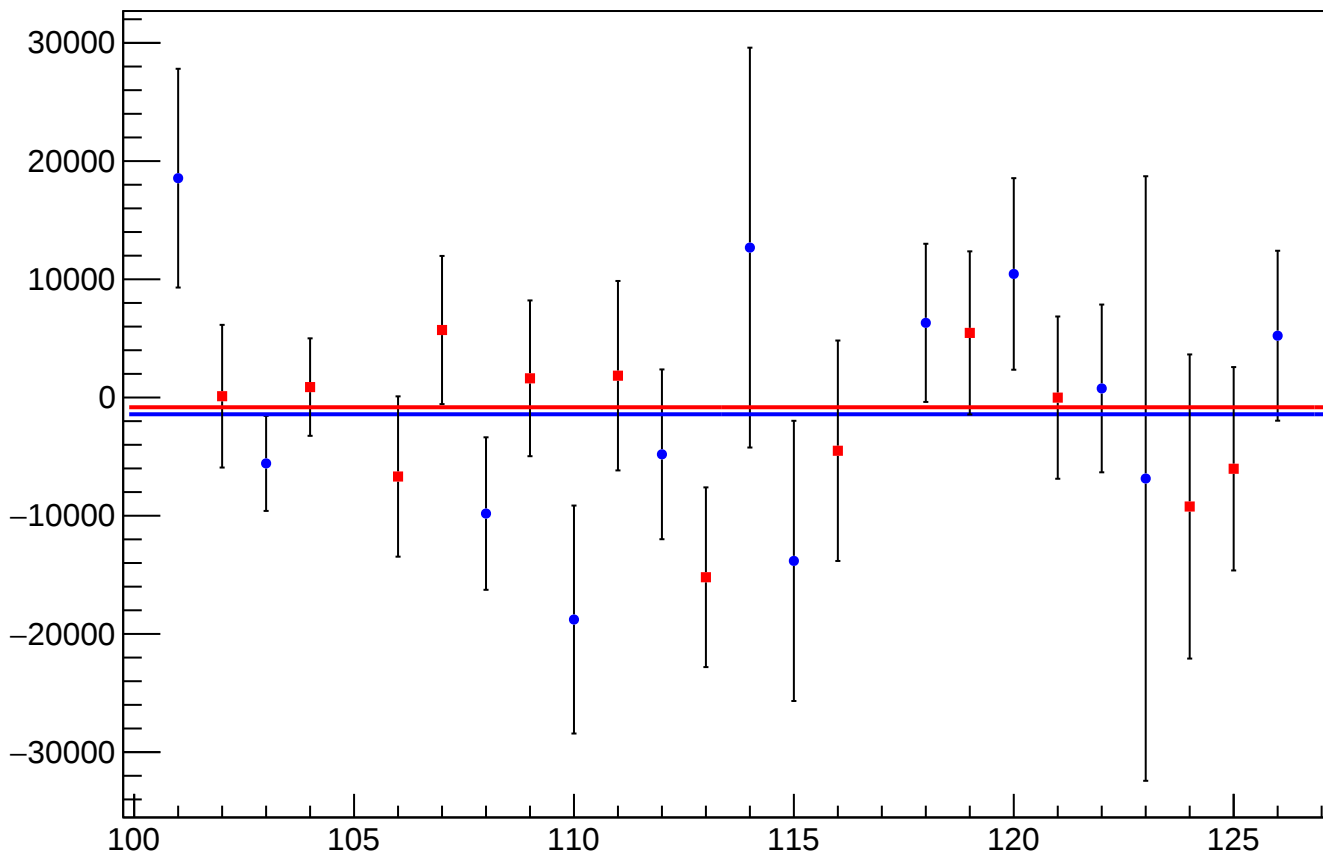
Right: 3441.280+/-0.845  $\chi^2/\text{NDF}$ : 1242495.6/23

In: 3654.739+/-1.285  $\chi^2/\text{NDF}$ : 414674.6/11

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

All: 3441.280+/-0.845  $\chi^2/\text{NDF}$ : 1242495.6/23

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



Right In: -1417.314+/-2148.338  $\chi^2/\text{NDF}$ : 17.2/11

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

Right Out: -823.570+/-1951.163  $\chi^2/\text{NDF}$ : 7.6/11

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

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

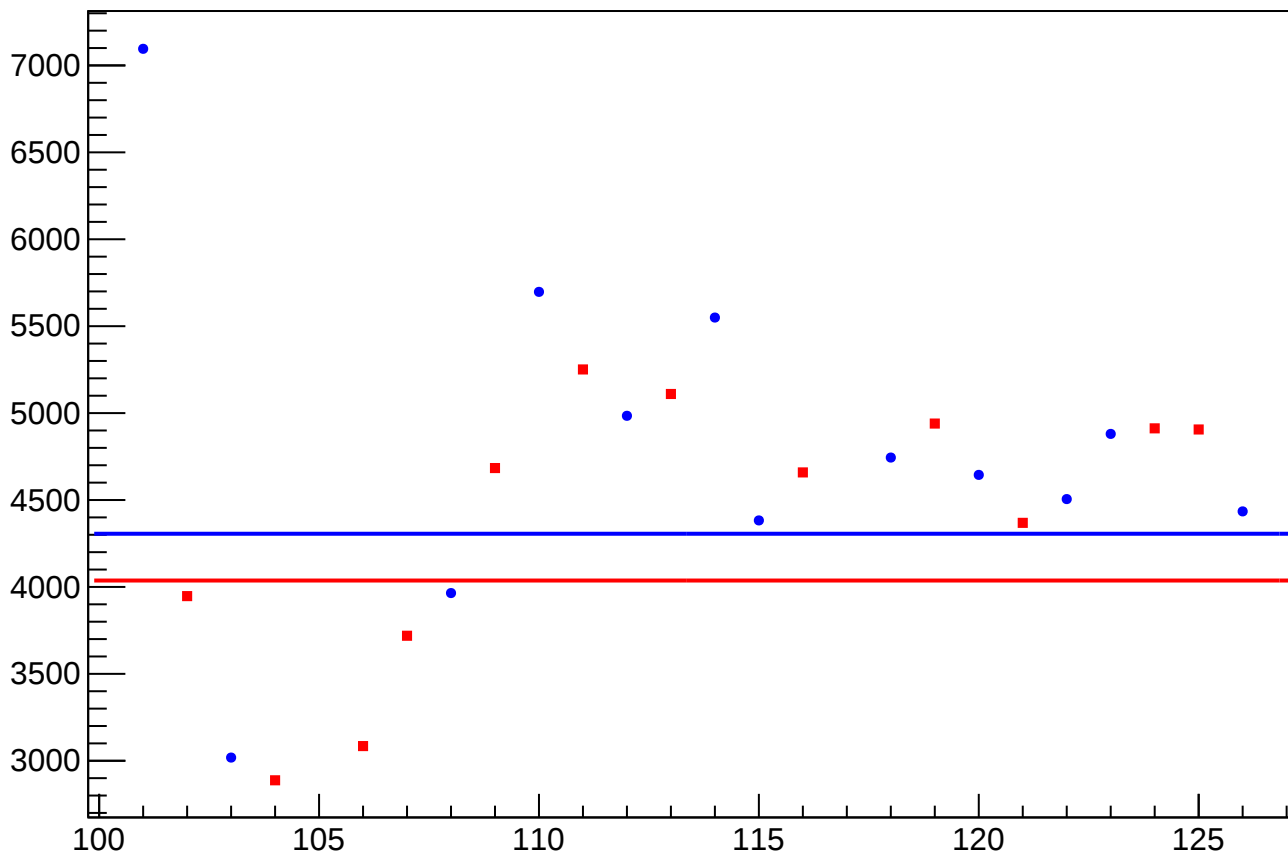
Right: -1091.950+/-1444.370  $\chi^2/\text{NDF}$ : 24.8/23

In: -1417.314+/-2148.338  $\chi^2/\text{NDF}$ : 17.2/11

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

All: -1091.950+/-1444.370  $\chi^2/\text{NDF}$ : 24.8/23

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



Right In: 4305.977+/-1.519  $\chi^2/\text{NDF}$ : 478249.2/11

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

Right Out: 4036.903+/-1.370  $\chi^2/\text{NDF}$ : 389996.7/11

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

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

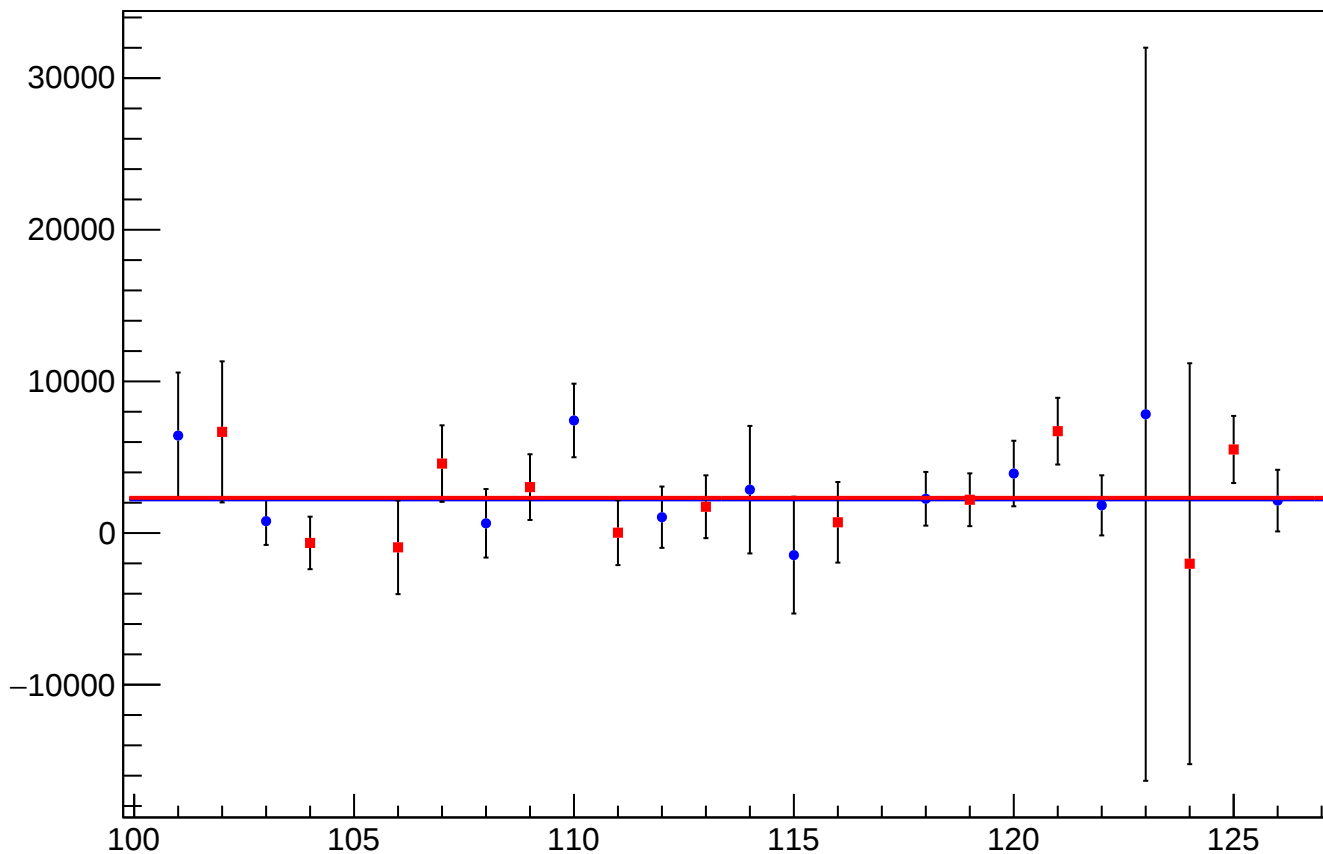
Right: 4157.543+/-1.017  $\chi^2/\text{NDF}$ : 885553.2/23

In: 4305.977+/-1.519  $\chi^2/\text{NDF}$ : 478249.2/11

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

All: 4157.543+/-1.017  $\chi^2/\text{NDF}$ : 885553.2/23

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



Right In: 2222.028+/-669.651  $\chi^2/\text{NDF}$ : 8.9/11

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

Right Out: 2320.351+/-675.056  $\chi^2/\text{NDF}$ : 13.6/11

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

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

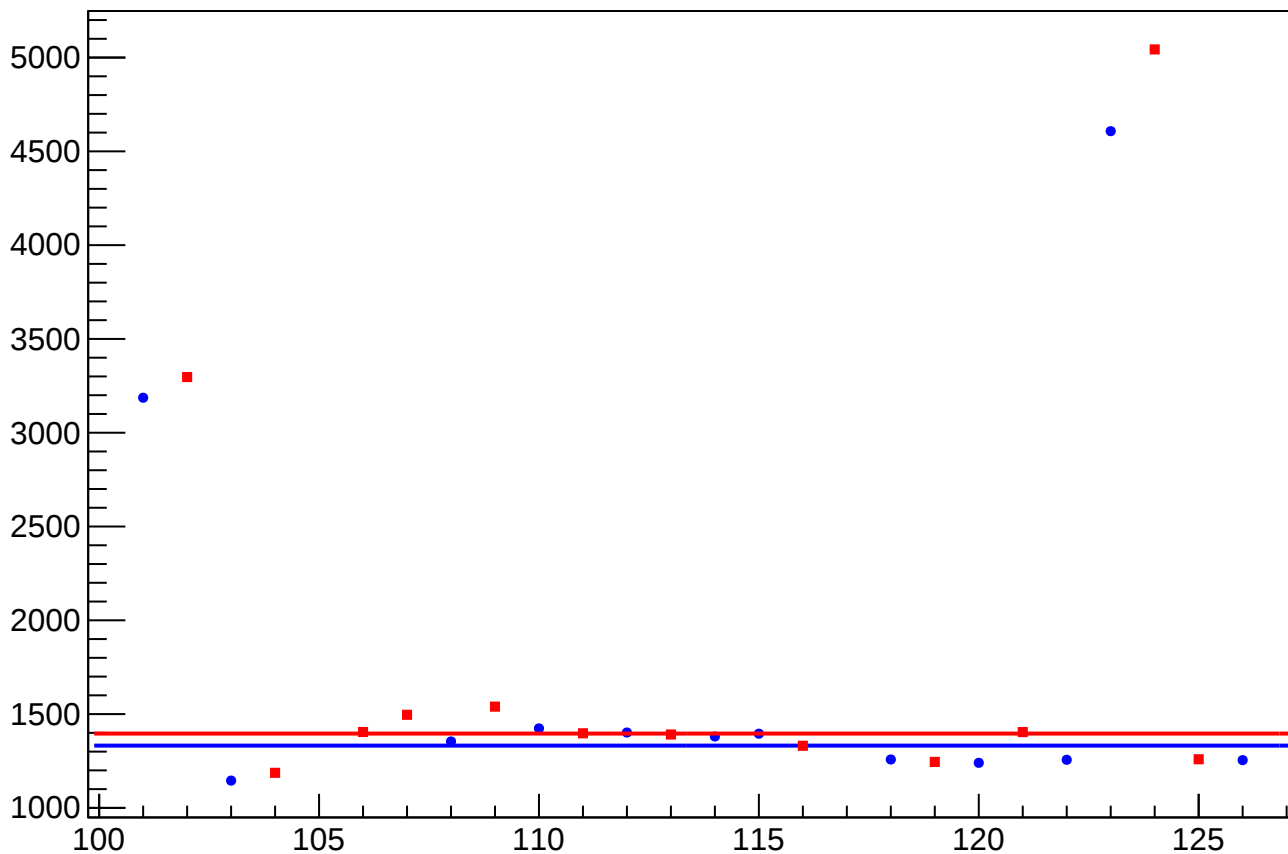
Right: 2270.794+/-475.414  $\chi^2/\text{NDF}$ : 22.6/23

In: 2222.028+/-669.651  $\chi^2/\text{NDF}$ : 8.9/11

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

All: 2270.794+/-475.414  $\chi^2/\text{NDF}$ : 22.6/23

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



Right In: 1332.023+/-0.474  $\chi^2/\text{NDF}$ : 482217.3/11

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

Right Out: 1396.193+/-0.477  $\chi^2/\text{NDF}$ : 551460.3/11

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

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

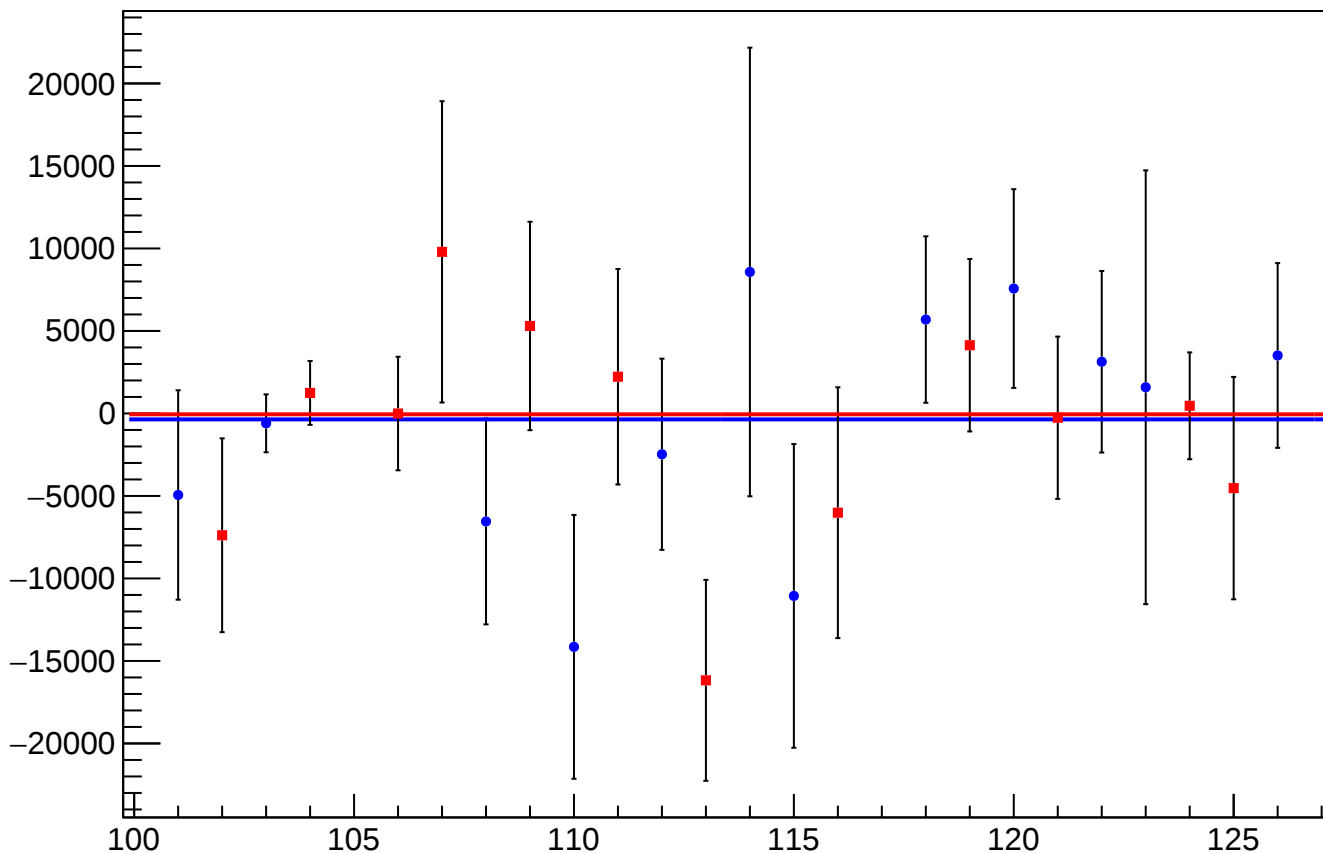
Right: 1363.873+/-0.336  $\chi^2/\text{NDF}$ : 1042793.1/23

In: 1332.023+/-0.474  $\chi^2/\text{NDF}$ : 482217.3/11

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

All: 1363.873+/-0.336  $\chi^2/\text{NDF}$ : 1042793.1/23

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



Right In: -359.915+/-1317.991  $\chi^2/\text{NDF}$ : 10.5/11

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

Right Out: -51.014+/-1212.248  $\chi^2/\text{NDF}$ : 12.7/11

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

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

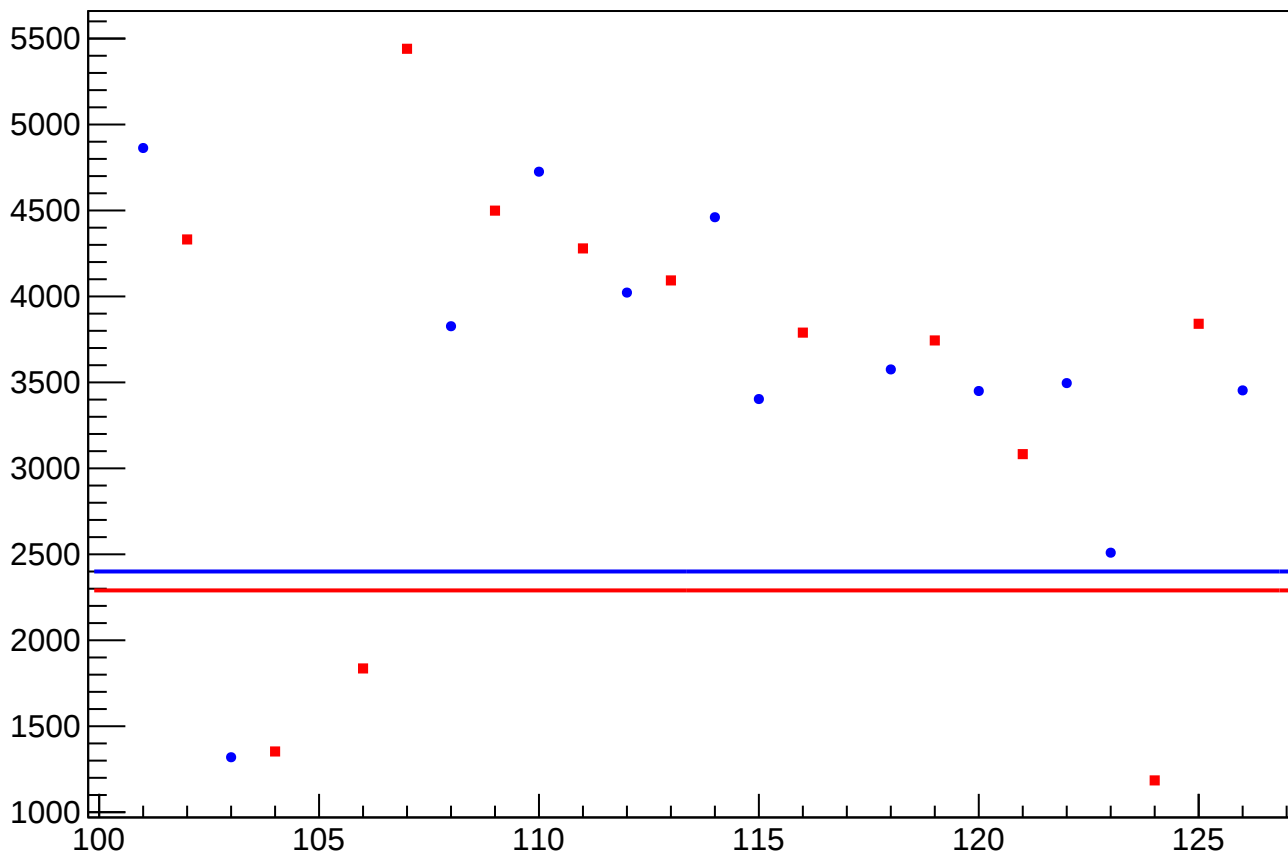
Right: -192.577+/-892.233  $\chi^2/\text{NDF}$ : 23.3/23

In: -359.915+/-1317.991  $\chi^2/\text{NDF}$ : 10.5/11

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

All: -192.577+/-892.233  $\chi^2/\text{NDF}$ : 23.3/23

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



Right In: 2400.185+/-0.932  $\chi^2/\text{NDF}$ : 1879778.5/11

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

Right Out: 2290.076+/-0.857  $\chi^2/\text{NDF}$ : 2212171.0/11

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

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

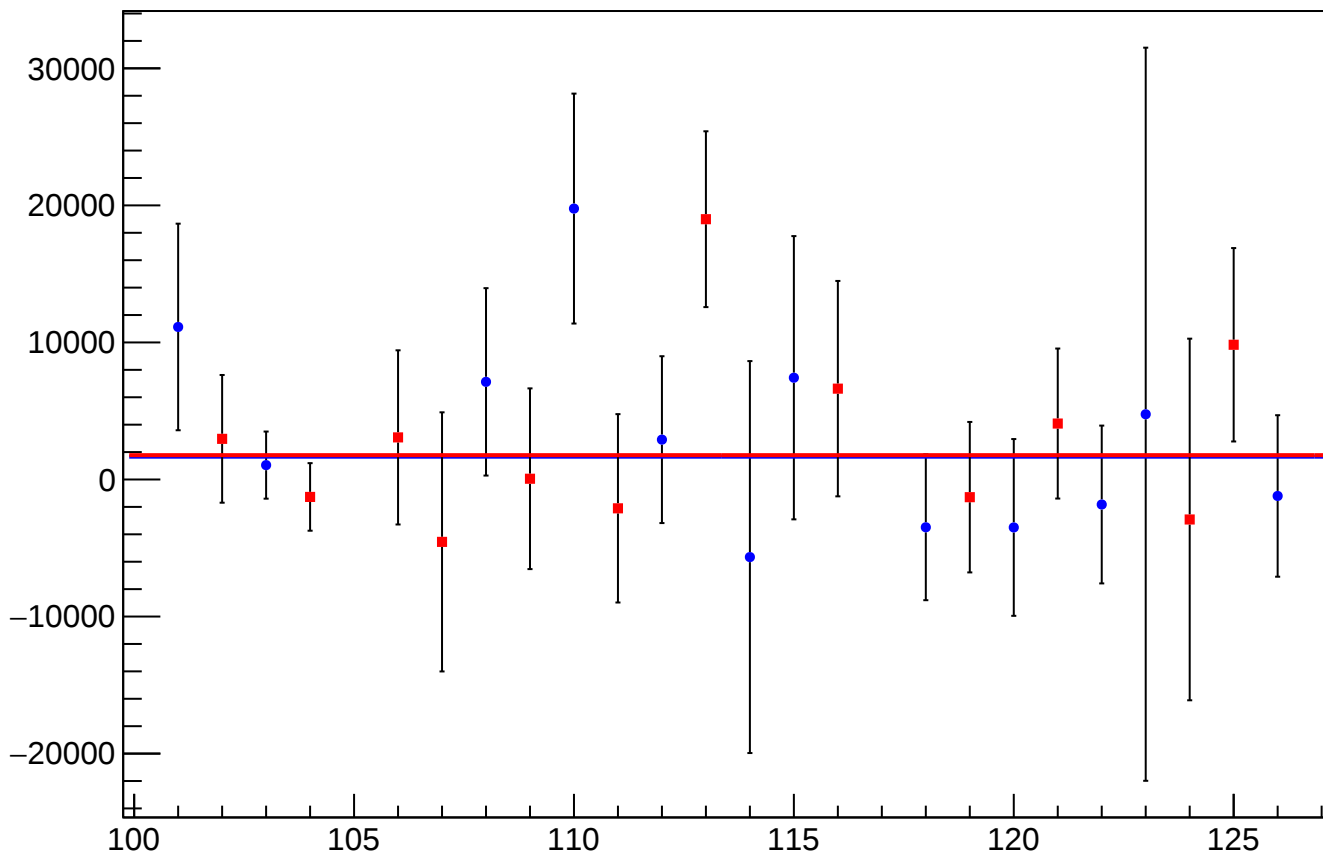
Right: 2340.537+/-0.631  $\chi^2/\text{NDF}$ : 4099511.2/23

In: 2400.185+/-0.932  $\chi^2/\text{NDF}$ :1879778.5/11

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

All: 2340.537+/-0.631  $\chi^2/\text{NDF}$ : 4099511.2/23

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



Right In: 1665.270+/-1620.186  $\chi^2/\text{NDF}$ : 9.7/11

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

Right Out: 1775.743+/-1536.444  $\chi^2/\text{NDF}$ : 12.0/11

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

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

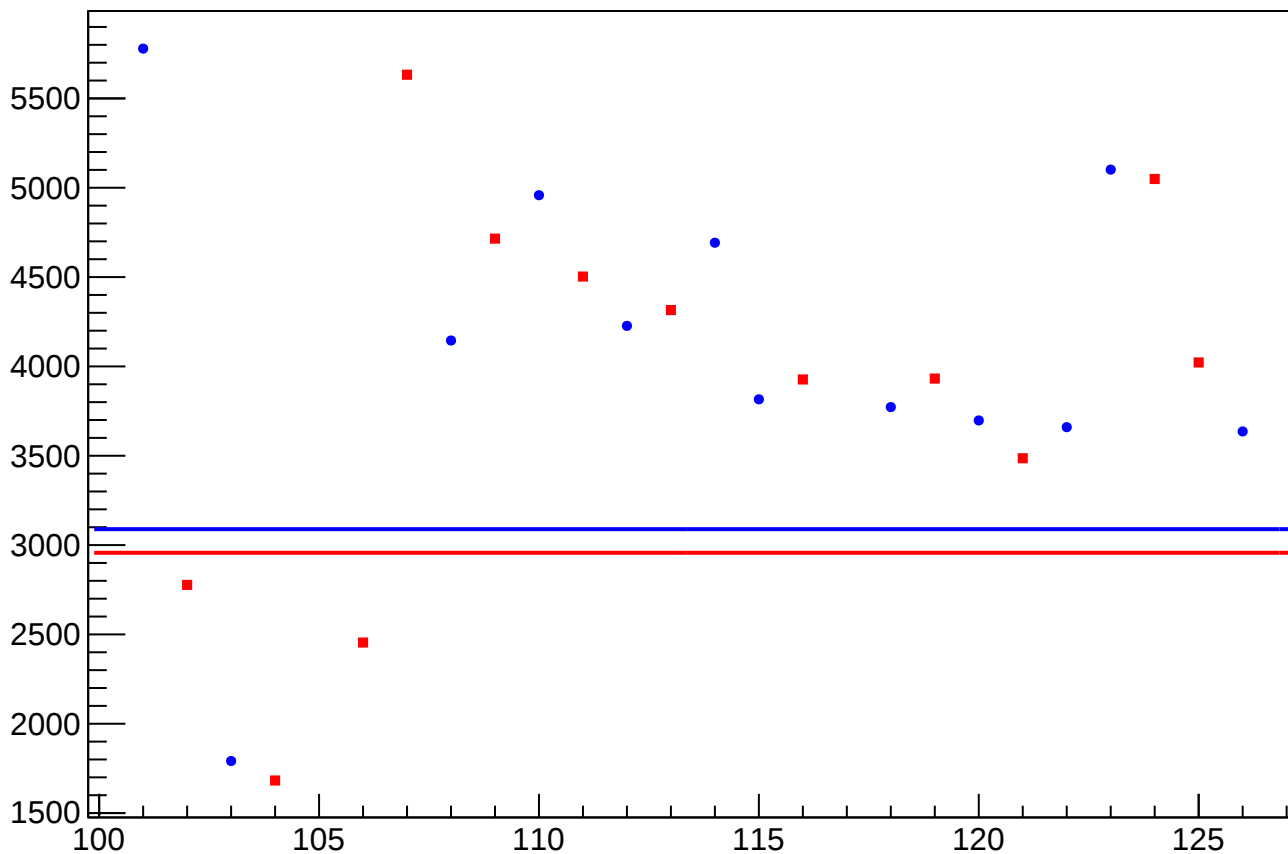
Right: 1723.435+/-1114.860  $\chi^2/\text{NDF}$ : 21.7/23

In: 1665.270+/-1620.186  $\chi^2/\text{NDF}$ : 9.7/11

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

All: 1723.435+/-1114.860  $\chi^2/\text{NDF}$ : 21.7/23

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



Right In: 3089.094+/-1.146  $\chi^2/\text{NDF}$ : 1167423.2/11

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

Right Out: 2956.969+/-1.074  $\chi^2/\text{NDF}$ : 1256442.2/11

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

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

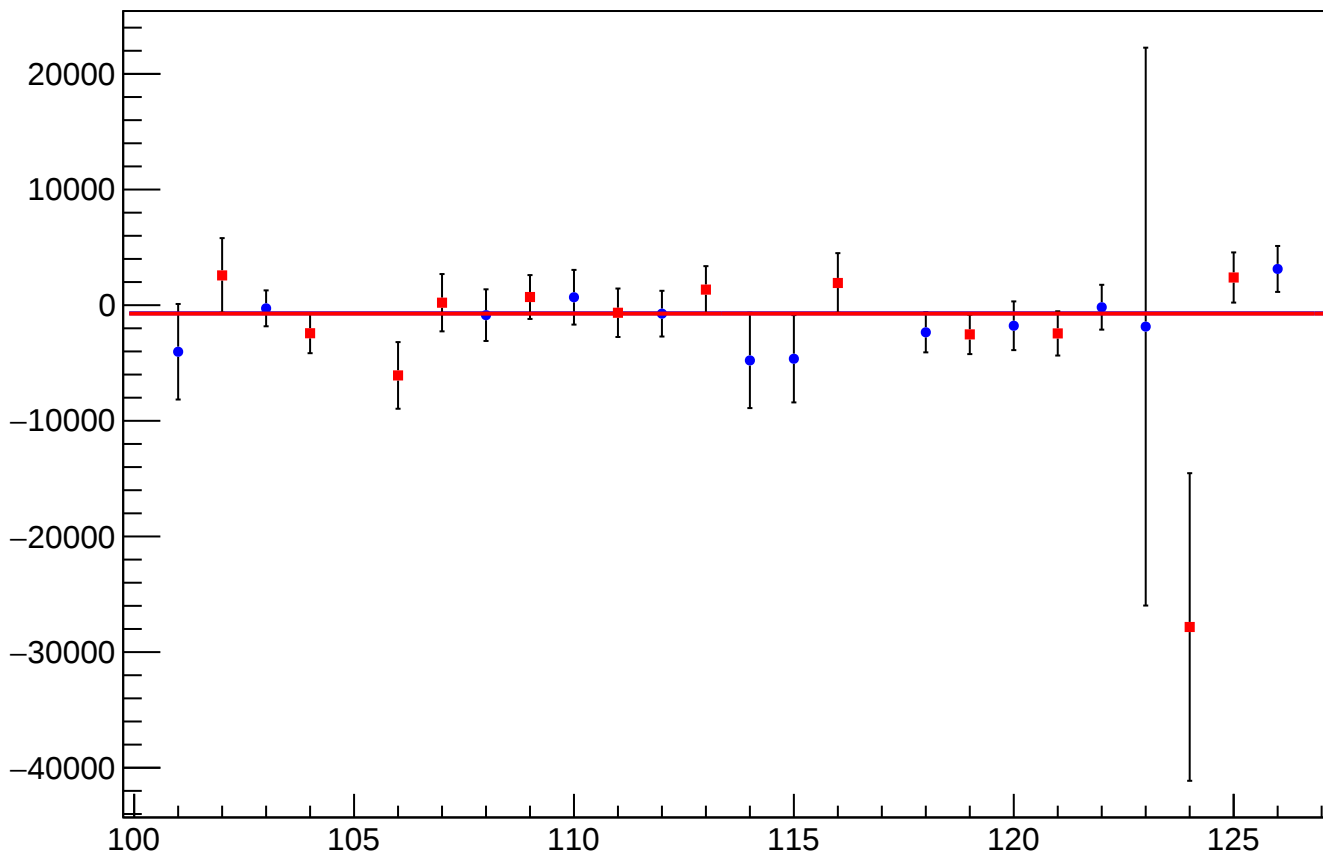
Right: 3018.785+/-0.784  $\chi^2/\text{NDF}$ : 2430943.5/23

In: 3089.094+/-1.146  $\chi^2/\text{NDF}$ : 1167423.2/11

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

All: 3018.785+/-0.784  $\chi^2/\text{NDF}$ : 2430943.5/23

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



Right In: -703.233+/-657.100  $\chi^2/\text{NDF}$ : 8.1/11

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

Right Out: -729.392+/-638.935  $\chi^2/\text{NDF}$ : 16.4/11

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

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

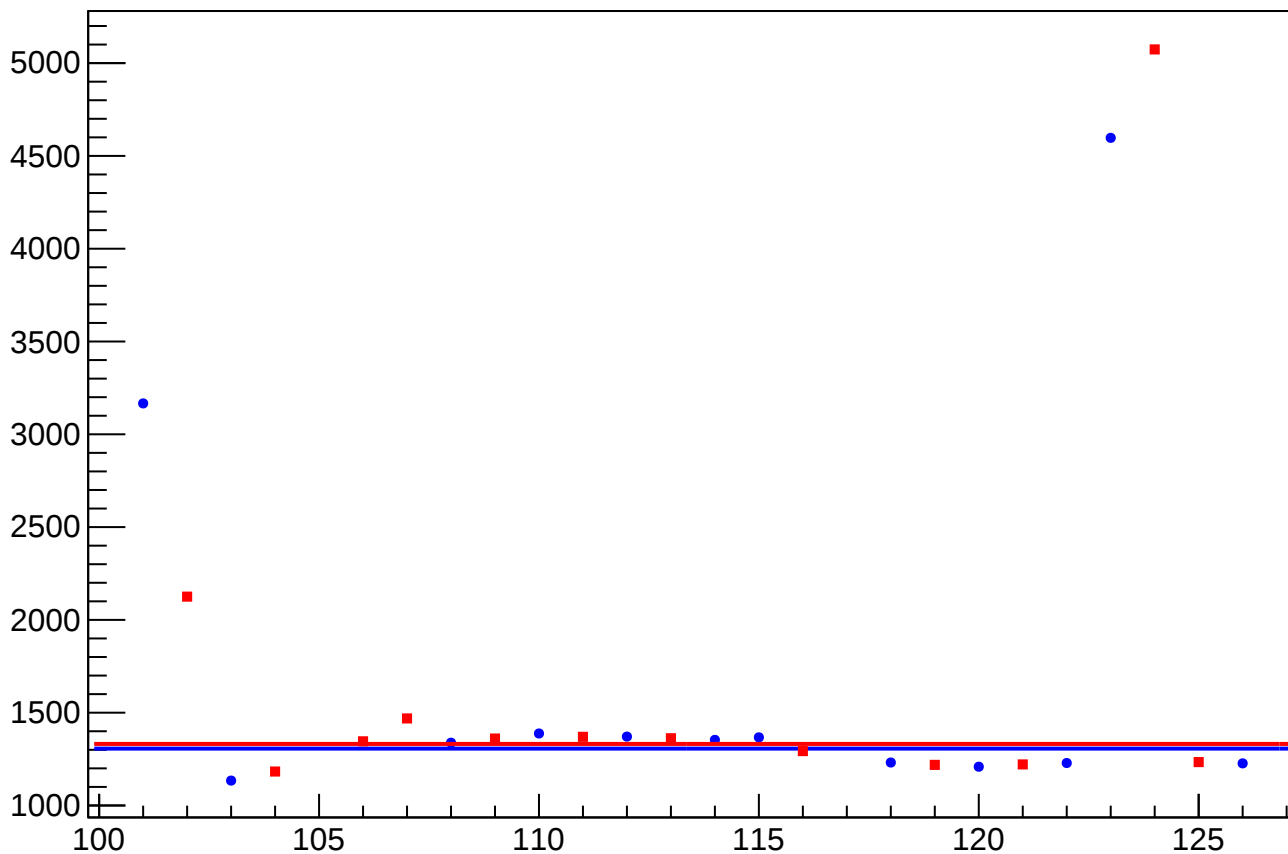
Right: -716.679+/-458.083  $\chi^2/\text{NDF}$ : 24.5/23

In: -703.233+/-657.100  $\chi^2/\text{NDF}$ : 8.1/11

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

All: -716.679+/-458.083  $\chi^2/\text{NDF}$ : 24.5/23

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



Right In: 1306.461+/-0.465  $\chi^2/\text{NDF}$ : 487479.8/11

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

Right Out: 1331.742+/-0.452  $\chi^2/\text{NDF}$ : 322003.6/11

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

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

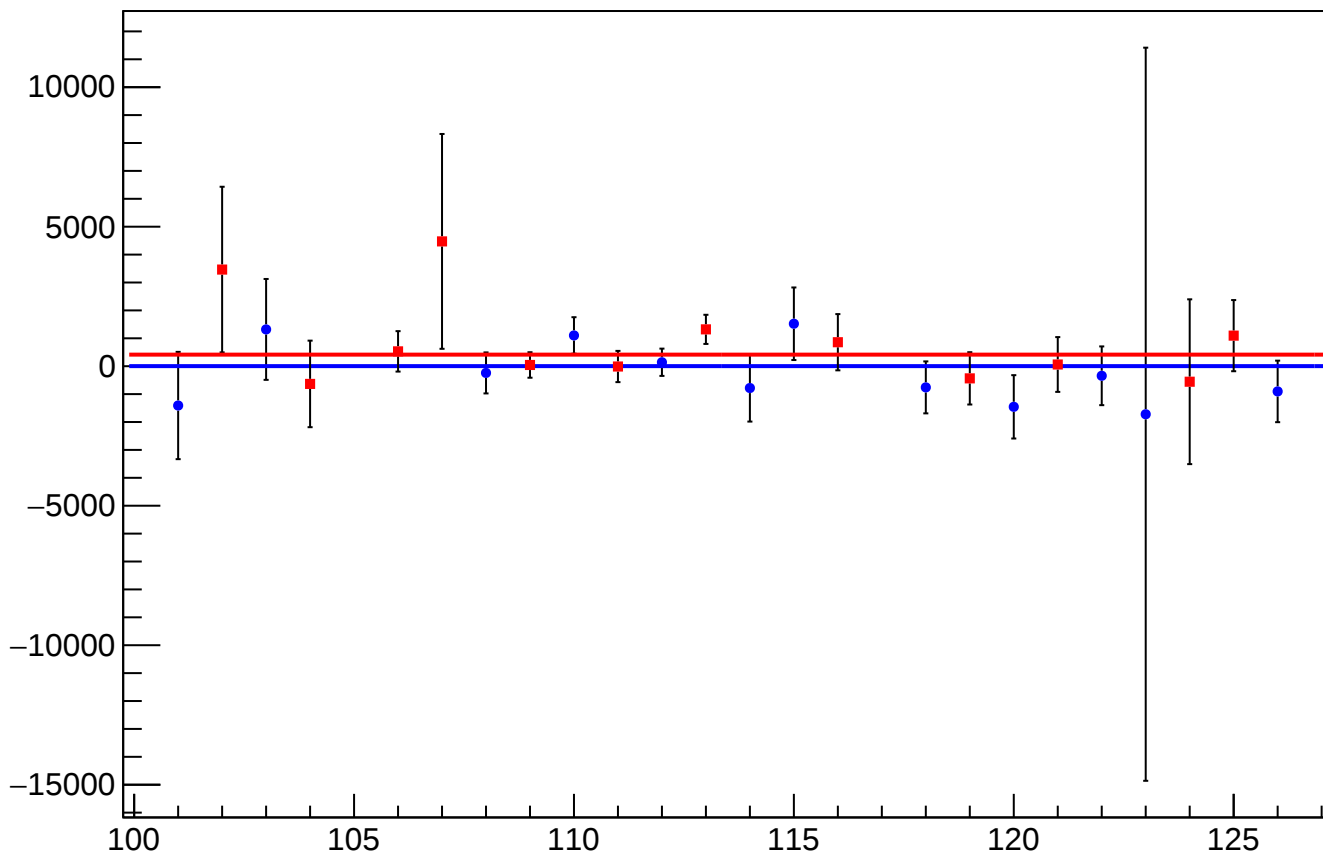
Right: 1319.456+/-0.324  $\chi^2/\text{NDF}$ : 811005.2/23

In: 1306.461+/-0.465  $\chi^2/\text{NDF}$ : 487479.8/11

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

All: 1319.456+/-0.324  $\chi^2/\text{NDF}$ : 811005.2/23

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



Right In: 3.007+/-268.225  $\chi^2/\text{NDF}$ : 9.0/11

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

Right Out: 414.875+/-235.393  $\chi^2/\text{NDF}$ : 8.4/11

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

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

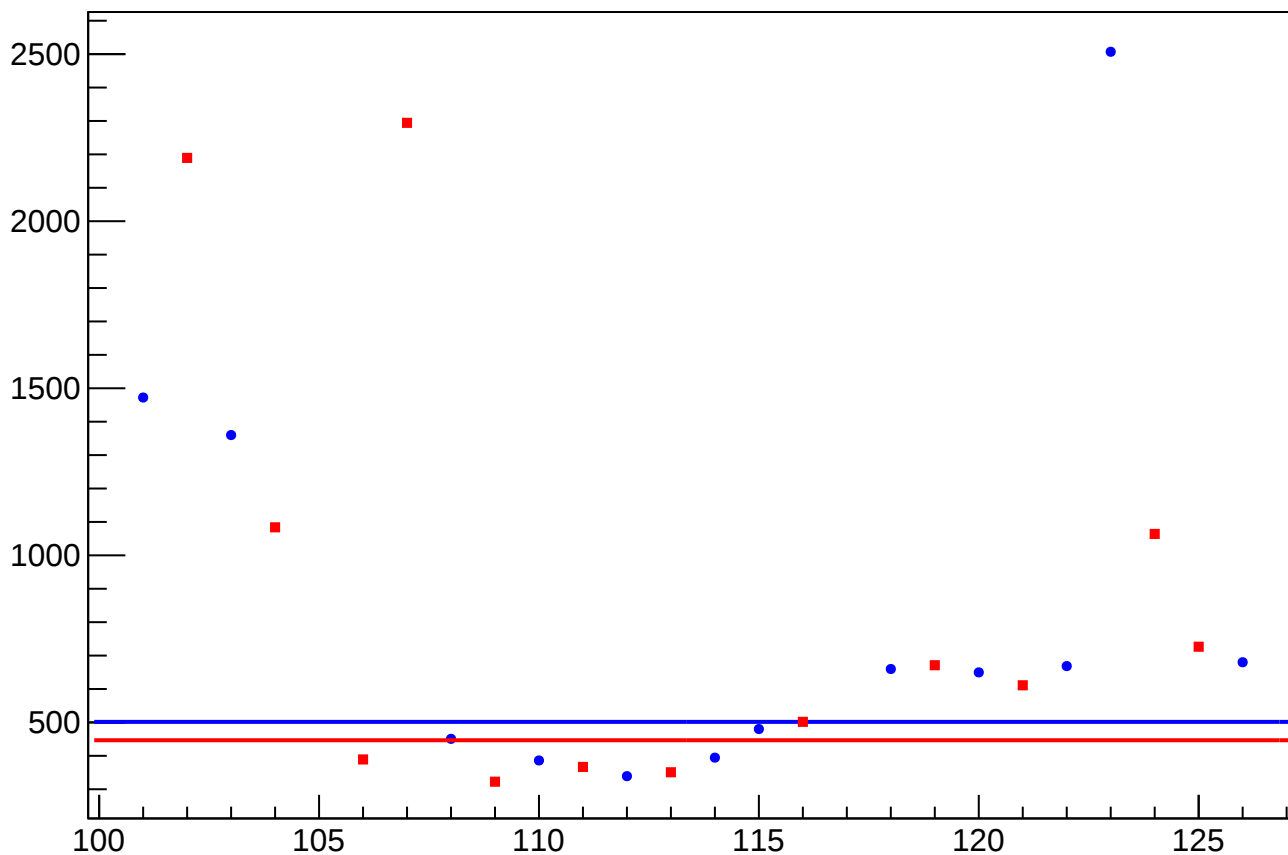
Right: 235.679+/-176.923  $\chi^2/\text{NDF}$ : 18.8/23

In: 3.007+/-268.225  $\chi^2/\text{NDF}$ : 9.0/11

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

All: 235.679+/-176.923  $\chi^2/\text{NDF}$ : 18.8/23

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



Right In: 501.631+/-0.190  $\chi^2/\text{NDF}$ : 1511370.2/11

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

Right Out: 446.638+/-0.166  $\chi^2/\text{NDF}$ : 2116929.6/11

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

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

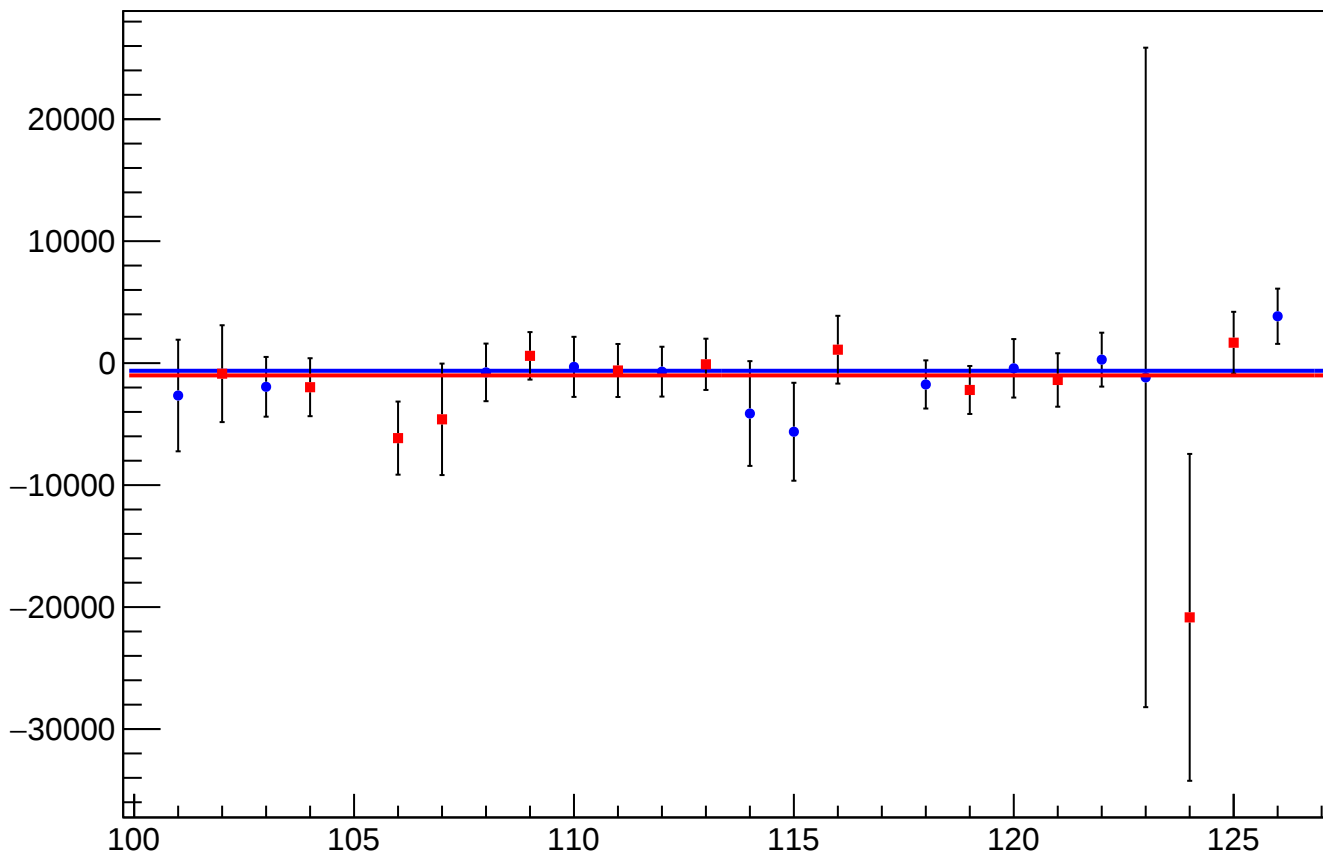
Right: 470.564+/-0.125  $\chi^2/\text{NDF}$ : 3675792.4/23

In: 501.631+/-0.190  $\chi^2/\text{NDF}$ : 1511370.2/11

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

All: 470.564+/-0.125  $\chi^2/\text{NDF}$ : 3675792.4/23

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



Right In: -625.593+/-756.801  $\chi^2/\text{NDF}$ : 7.1/11

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

Right Out: -1005.409+/-733.359  $\chi^2/\text{NDF}$ : 8.9/11

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

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

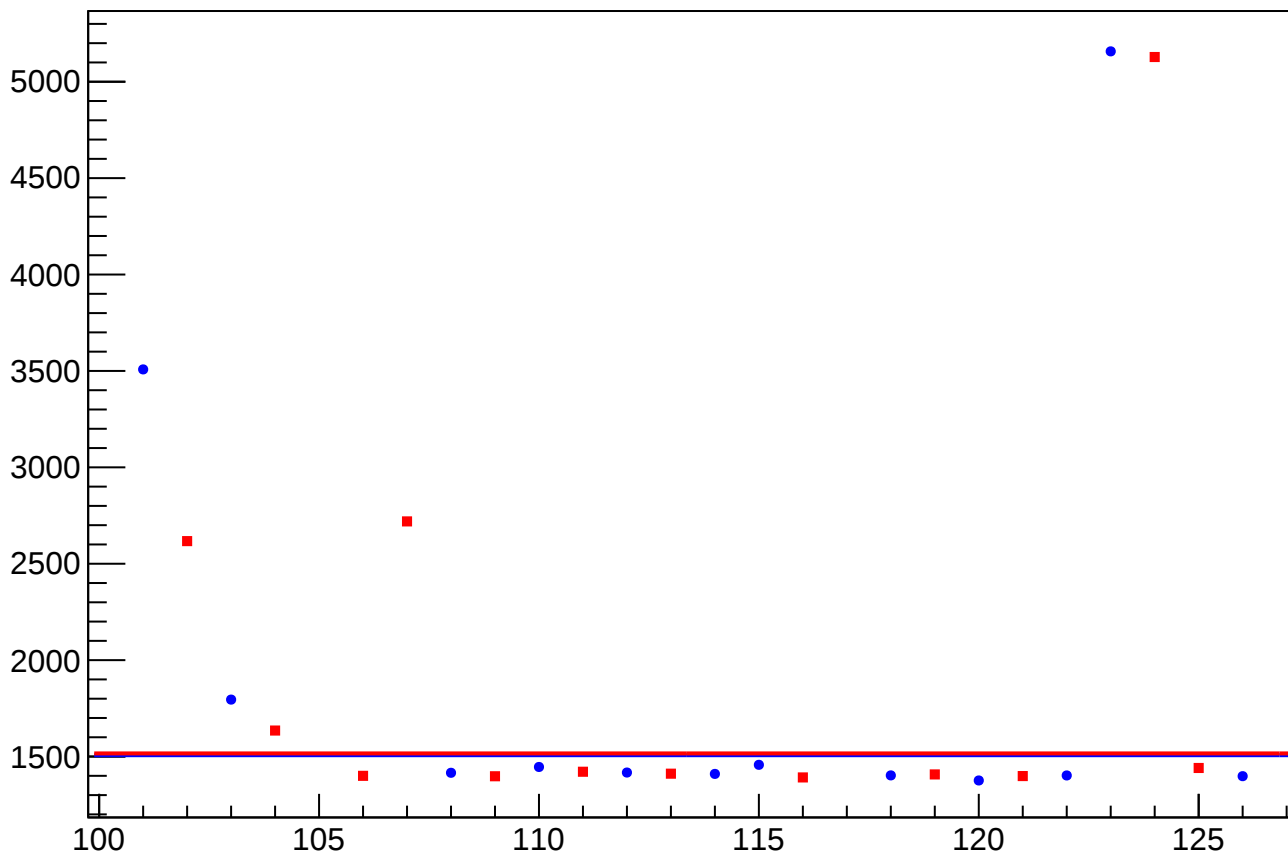
Right: -821.475+/-526.655  $\chi^2/\text{NDF}$ : 16.2/23

In: -625.593+/-756.801  $\chi^2/\text{NDF}$ : 7.1/11

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

All: -821.475+/-526.655  $\chi^2/\text{NDF}$ : 16.2/23

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



Right In: 1506.955+/-0.535  $\chi^2/\text{NDF}$ : 476963.8/11

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

Right Out: 1516.205+/-0.519  $\chi^2/\text{NDF}$ : 479818.0/11

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

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

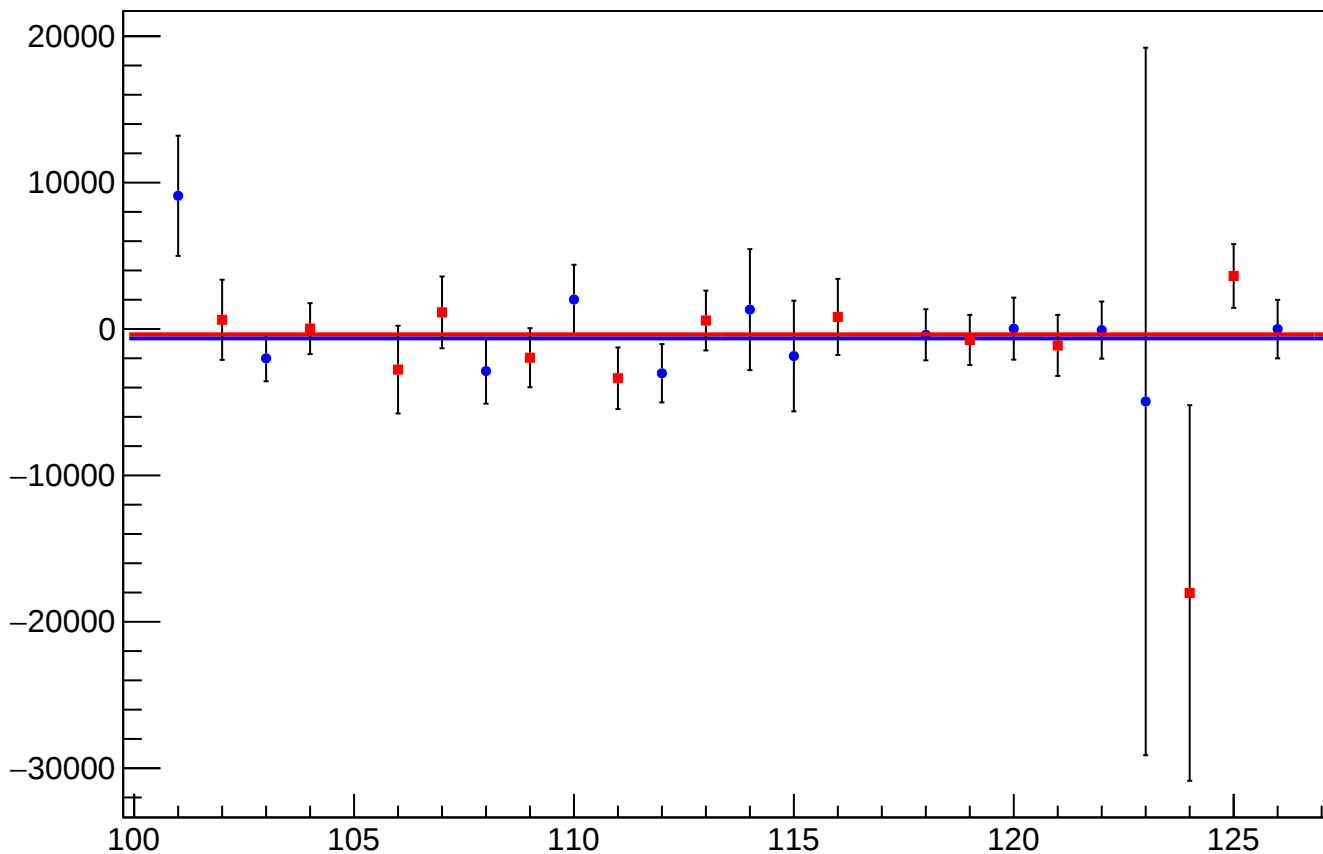
Right: 1511.726+/-0.372  $\chi^2/\text{NDF}$ : 956935.8/23

In: 1506.955+/-0.535  $\chi^2/\text{NDF}$ : 476963.8/11

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

All: 1511.726+/-0.372  $\chi^2/\text{NDF}$ : 956935.8/23

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



Right In: -640.663+/-660.170  $\chi^2/\text{NDF}$ : 10.7/11

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

Right Out: -363.070+/-647.092  $\chi^2/\text{NDF}$ : 9.7/11

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

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

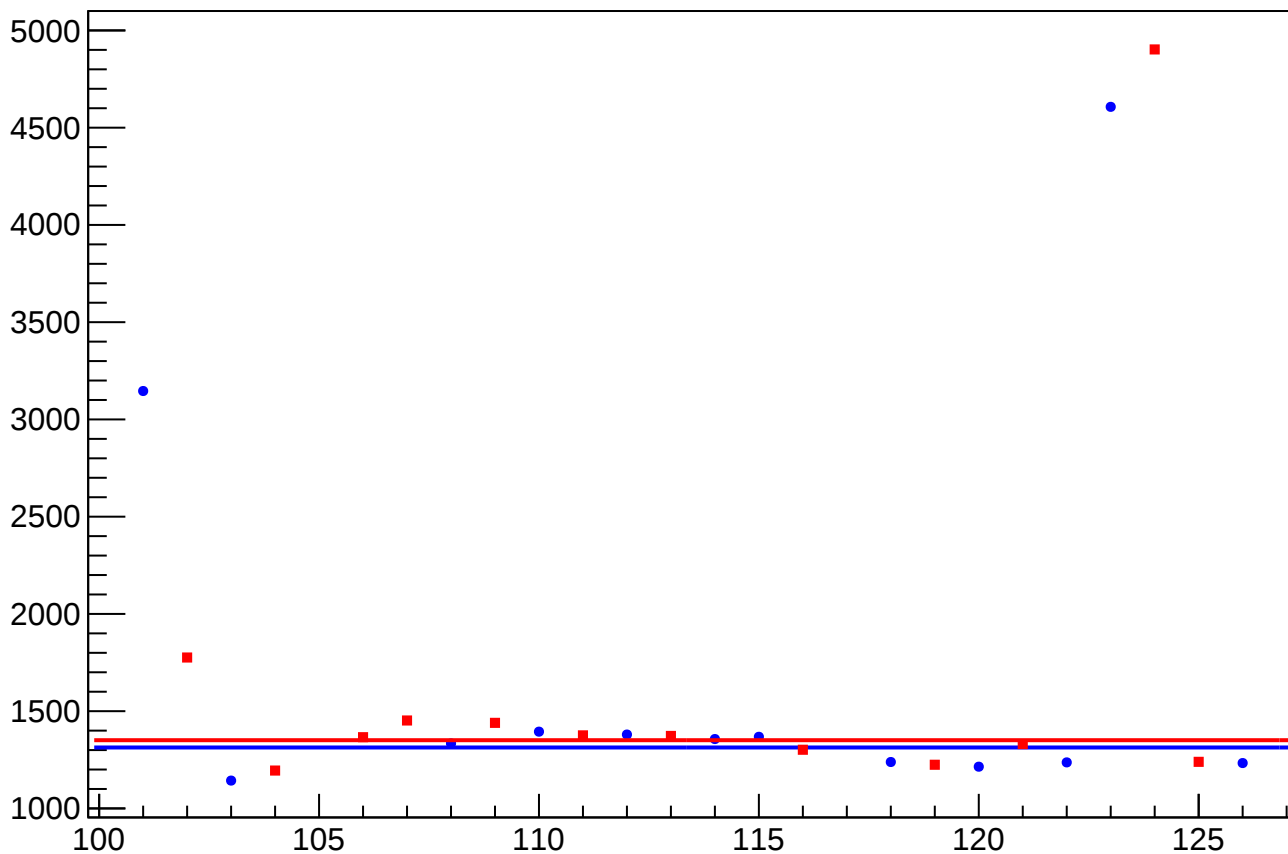
Right: -499.090+/-462.118  $\chi^2/\text{NDF}$ : 20.5/23

In: -640.663+/-660.170  $\chi^2/\text{NDF}$ :10.7/11

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

All: -499.090+/-462.118  $\chi^2/\text{NDF}$ : 20.5/23

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



Right In: 1313.326+/-0.467  $\chi^2/\text{NDF}$ : 479326.0/11

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

Right Out: 1350.774+/-0.457  $\chi^2/\text{NDF}$ : 242462.4/11

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

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

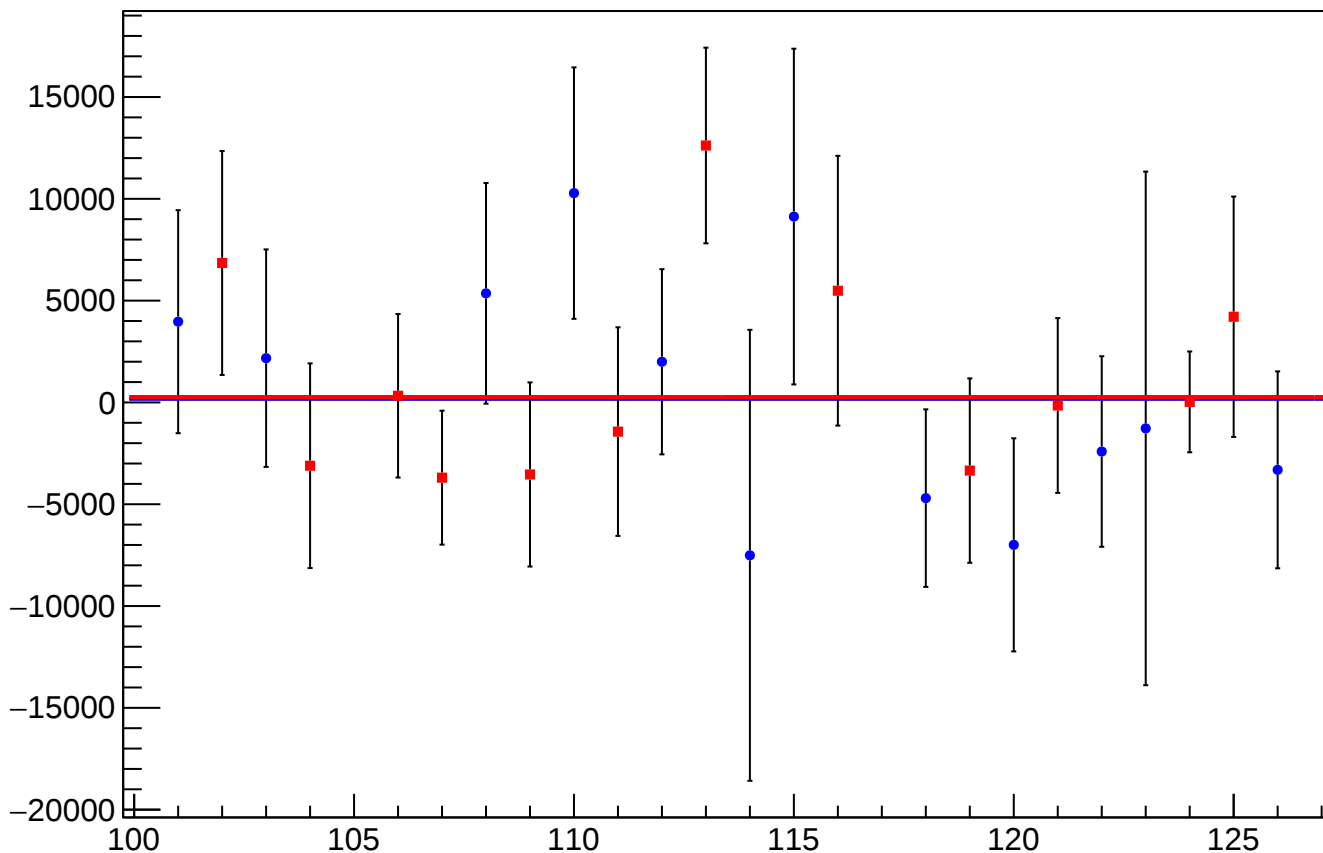
Right: 1332.440+/-0.327  $\chi^2/\text{NDF}$ : 725073.2/23

In: 1313.326+/-0.467  $\chi^2/\text{NDF}$ : 479326.0/11

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

All: 1332.440+/-0.327  $\chi^2/\text{NDF}$ : 725073.2/23

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



Right In: 177.117+/-1614.396  $\chi^2/\text{NDF}$ : 10.0/11

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

Right Out: 266.531+/-1217.051  $\chi^2/\text{NDF}$ : 12.5/11

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

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

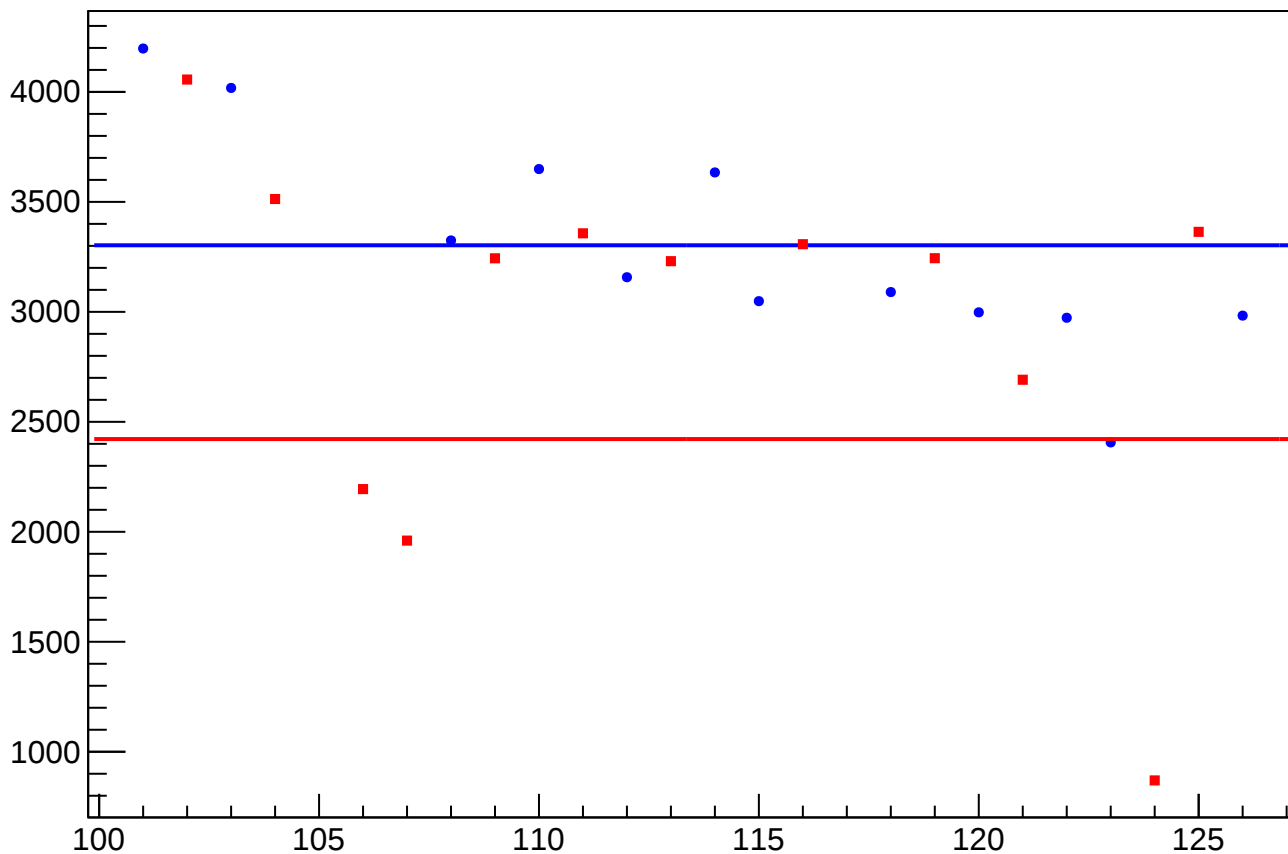
Right: 234.129+/-971.831  $\chi^2/\text{NDF}$ : 22.5/23

In: 177.117+/-1614.396  $\chi^2/\text{NDF}$ : 10.0/11

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

All: 234.129+/-971.831  $\chi^2/\text{NDF}$ : 22.5/23

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



Right In: 3302.685+/-1.142  $\chi^2/\text{NDF}$ : 141587.6/11

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

Right Out: 2421.706+/-0.861  $\chi^2/\text{NDF}$ : 1452953.6/11

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

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

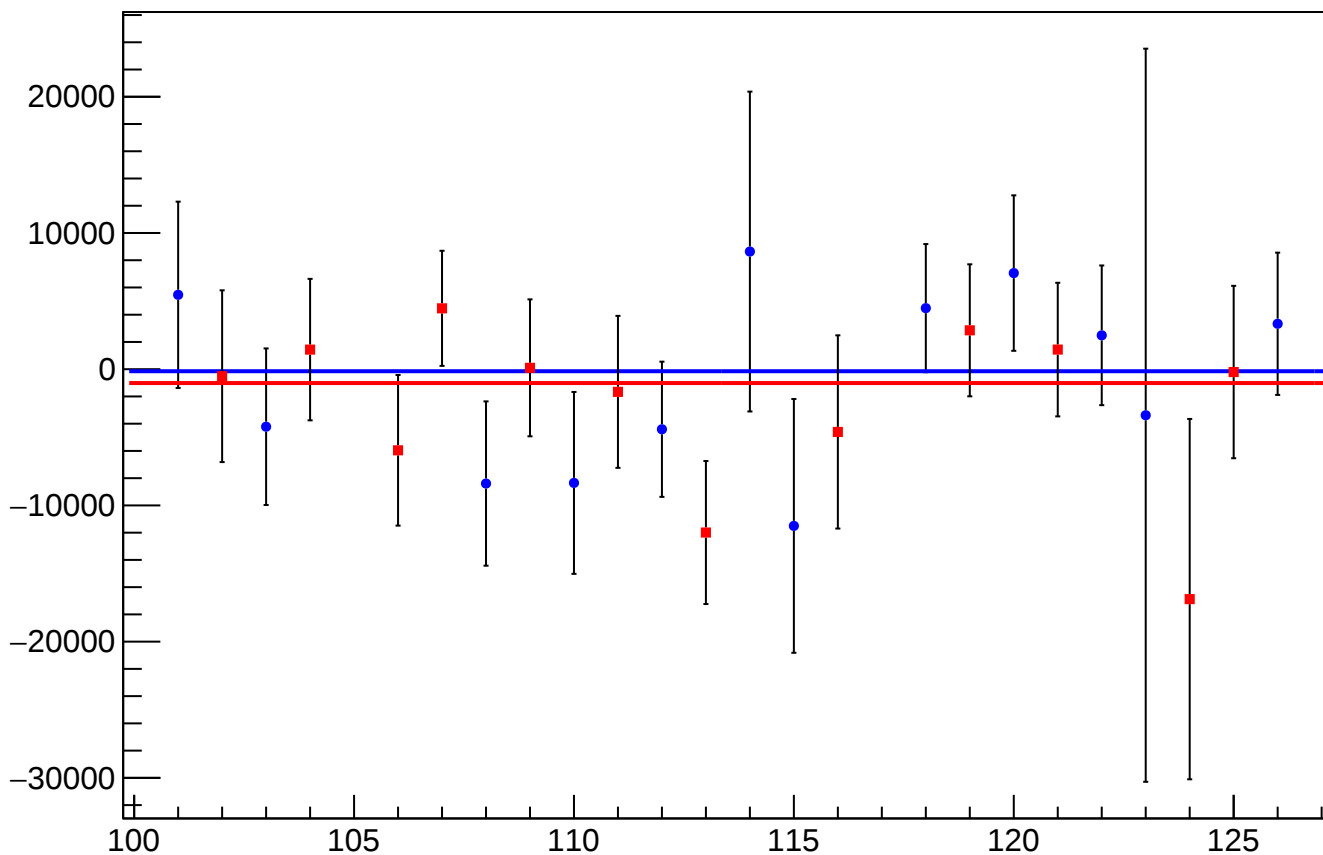
Right: 2740.953+/-0.687  $\chi^2/\text{NDF}$ : 1974297.7/23

In: 3302.685+/-1.142  $\chi^2/\text{NDF}$ : 141587.6/11

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

All: 2740.953+/-0.687  $\chi^2/\text{NDF}$ : 1974297.7/23

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



Right In: -147.873+/-1787.430  $\chi^2/\text{NDF}$ : 10.6/11

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

Right Out: -1016.928+/-1593.737  $\chi^2/\text{NDF}$ : 9.7/11

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

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

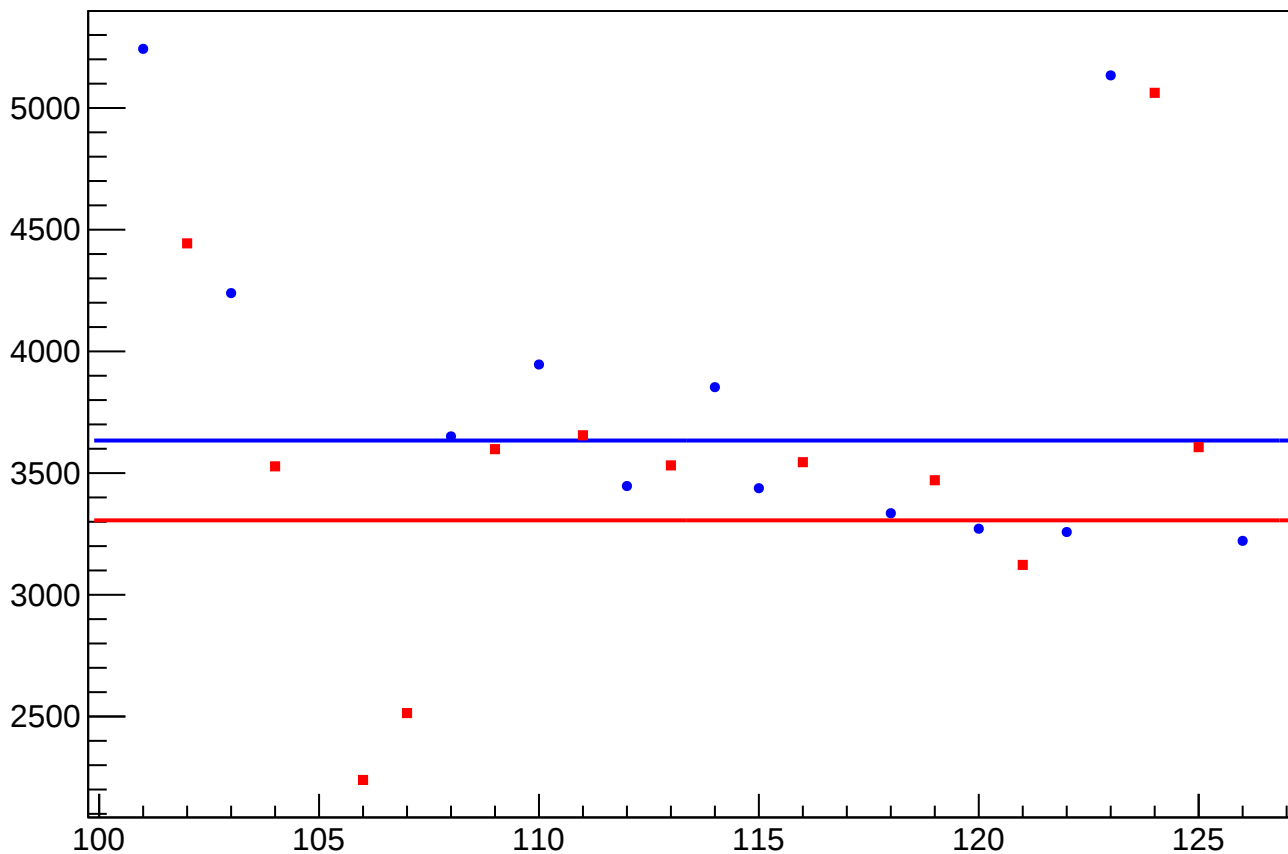
Right: -632.022+/-1189.550  $\chi^2/\text{NDF}$ : 20.5/23

In: -147.873+/-1787.430  $\chi^2/\text{NDF}$ : 10.6/11

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

All: -632.022+/-1189.550  $\chi^2/\text{NDF}$ : 20.5/23

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



Right In: 3633.820+/-1.264  $\chi^2/\text{NDF}$ : 187332.2/11

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

Right Out: 3305.831+/-1.113  $\chi^2/\text{NDF}$ : 300988.6/11

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

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

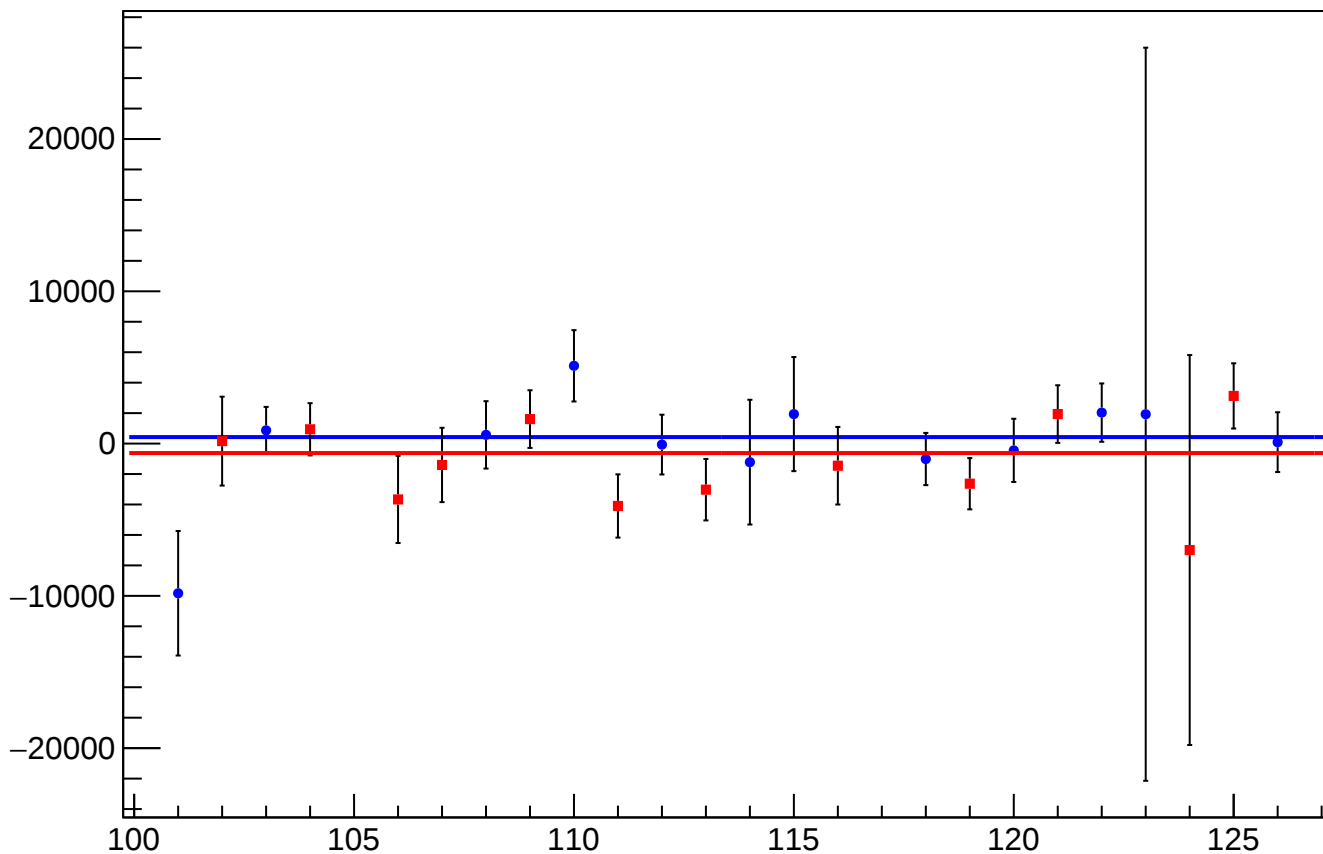
Right: 3449.138+/-0.835  $\chi^2/\text{NDF}$ : 526242.5/23

In: 3633.820+/-1.264  $\chi^2/\text{NDF}$ : 187332.2/11

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

All: 3449.138+/-0.835  $\chi^2/\text{NDF}$ : 526242.5/23

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



Right In: 426.559+/-650.304  $\chi^2/\text{NDF}$ : 12.4/11

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

Right Out: -621.674+/-630.595  $\chi^2/\text{NDF}$ : 14.4/11

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

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

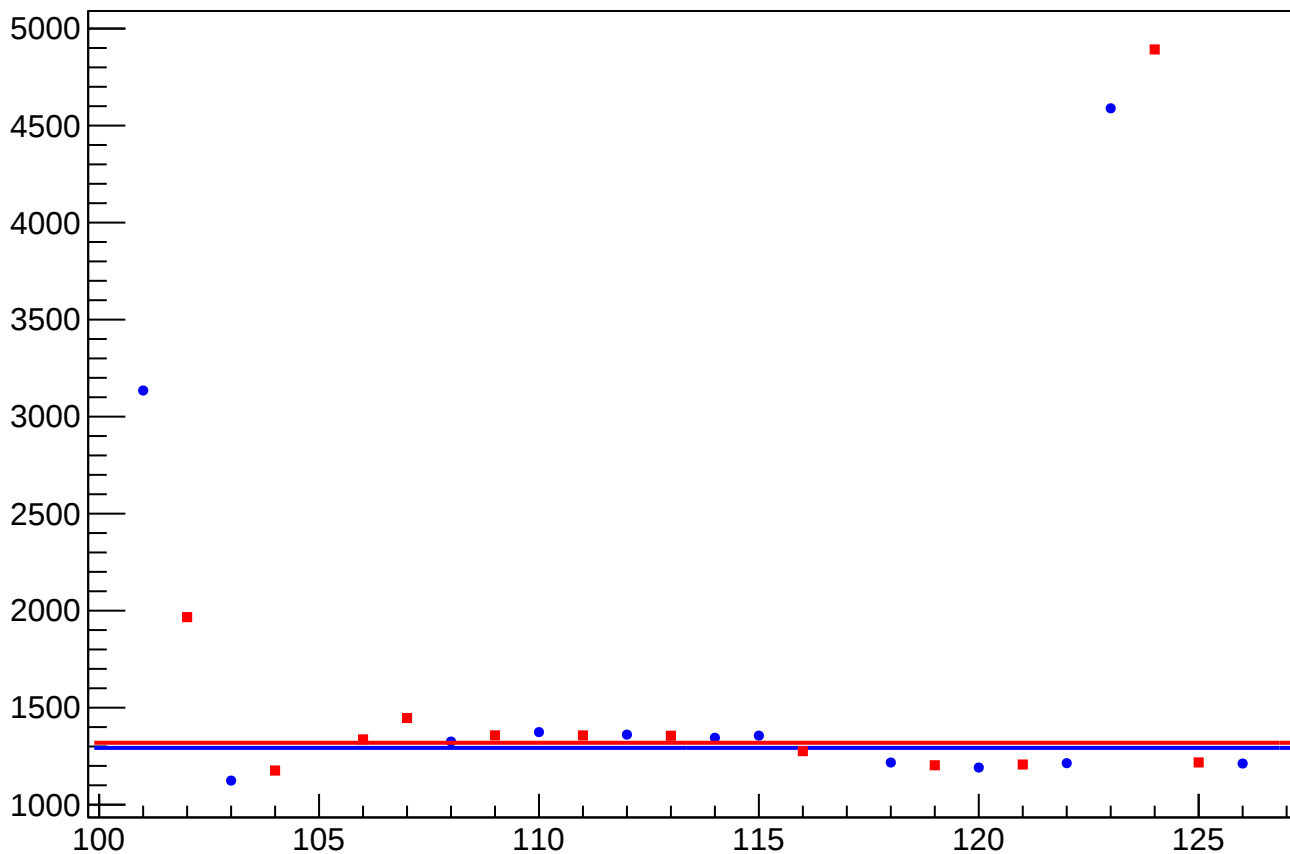
Right: -113.683+/-452.706  $\chi^2/\text{NDF}$ : 28.1/23

In: 426.559+/-650.304  $\chi^2/\text{NDF}$ : 12.4/11

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

All: -113.683+/-452.706  $\chi^2/\text{NDF}$ : 28.1/23

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



Right In: 1292.811+/-0.460  $\chi^2/\text{NDF}$ : 488807.3/11

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

Right Out: 1319.150+/-0.446  $\chi^2/\text{NDF}$ : 297353.3/11

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

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

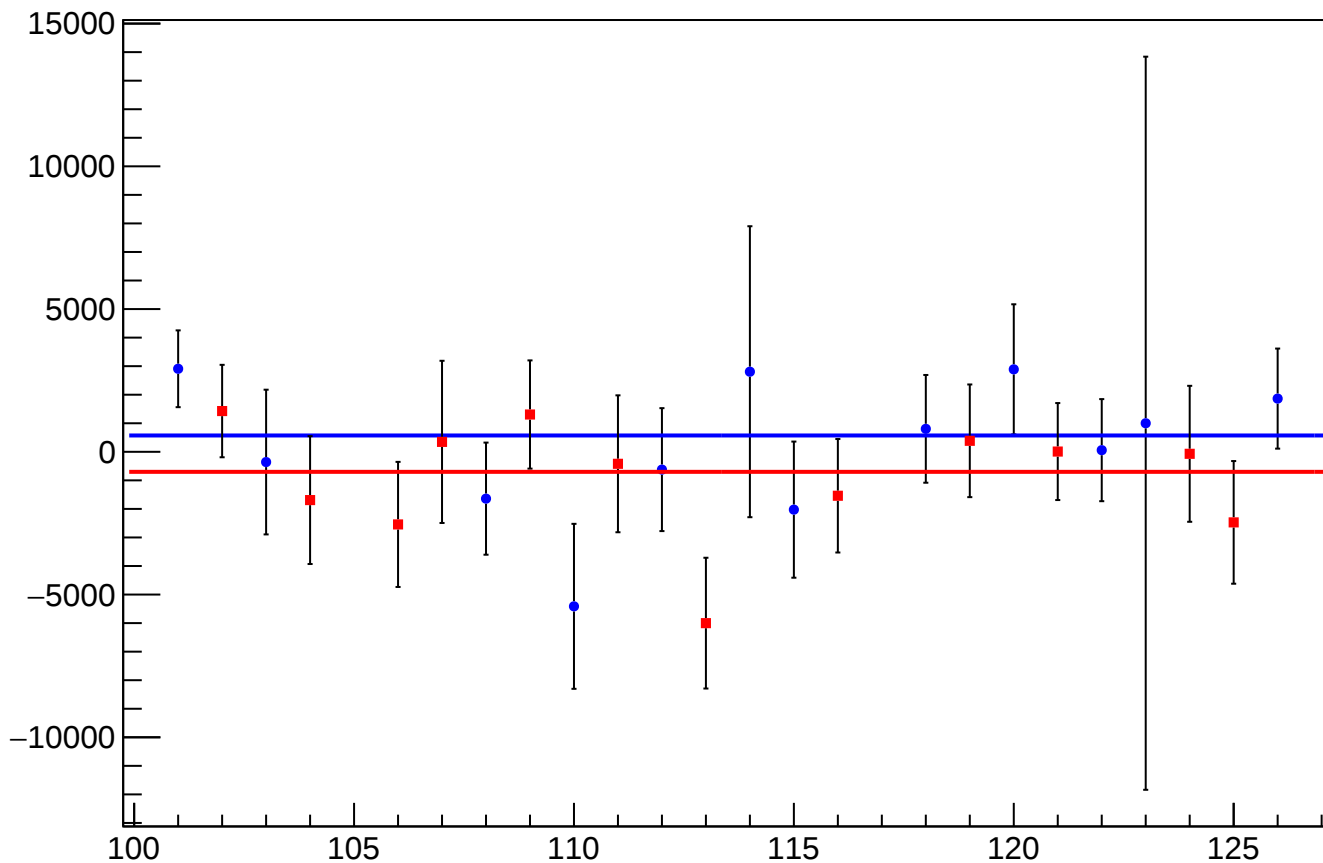
Right: 1306.386+/-0.320  $\chi^2/\text{NDF}$ : 787851.4/23

In: 1292.811+/-0.460  $\chi^2/\text{NDF}$ : 488807.3/11

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

All: 1306.386+/-0.320  $\chi^2/\text{NDF}$ : 787851.4/23

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



Right In: 572.277+/-615.997  $\chi^2/\text{NDF}$ : 12.1/11

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

Right Out: -701.448+/-597.018  $\chi^2/\text{NDF}$ : 10.7/11

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

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

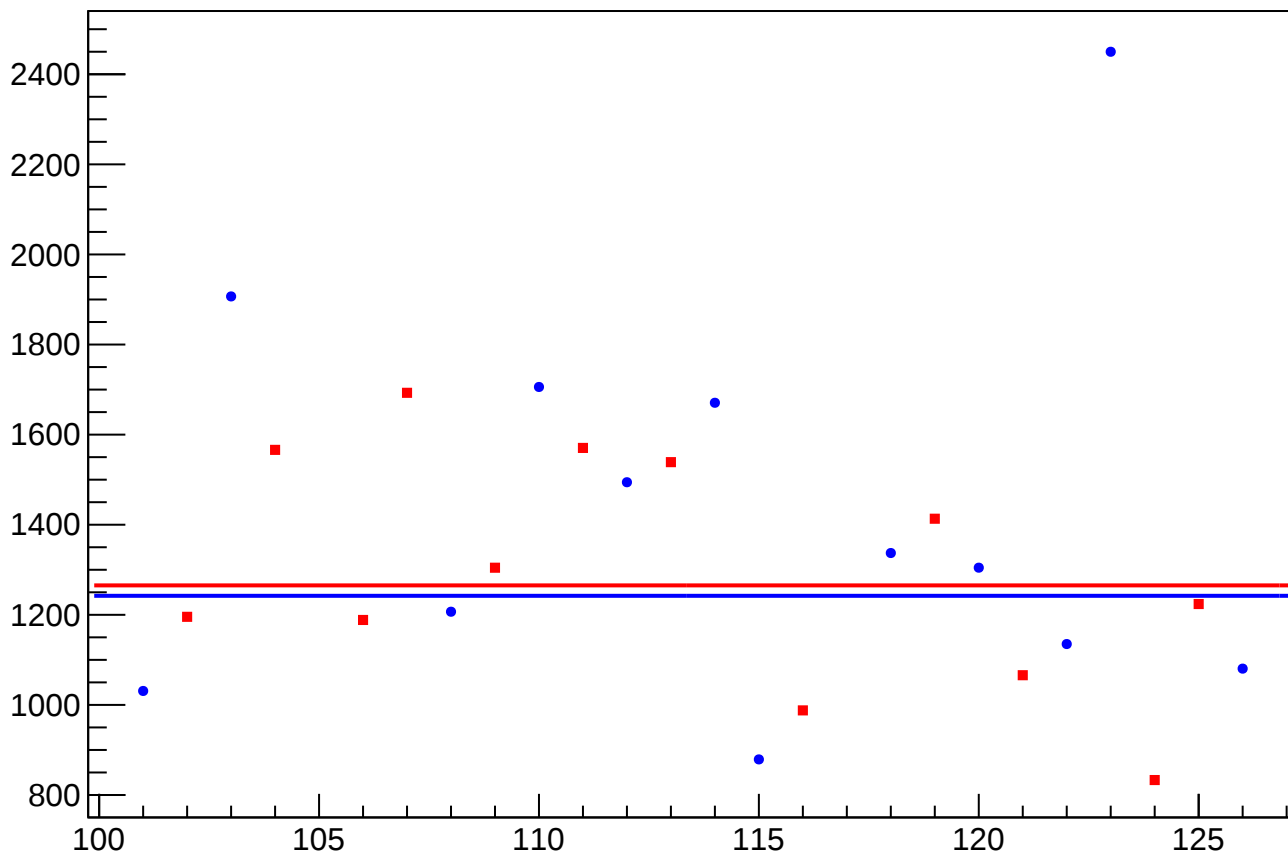
Right: -84.509+/-428.708  $\chi^2/\text{NDF}$ : 24.9/23

In: 572.277+/-615.997  $\chi^2/\text{NDF}$ : 12.1/11

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

All: -84.509+/-428.708  $\chi^2/\text{NDF}$ : 24.9/23

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



Right In: 1242.203+/-0.436  $\chi^2/\text{NDF}$ : 375401.1/11

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

Right Out: 1265.331+/-0.422  $\chi^2/\text{NDF}$ : 293755.9/11

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

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

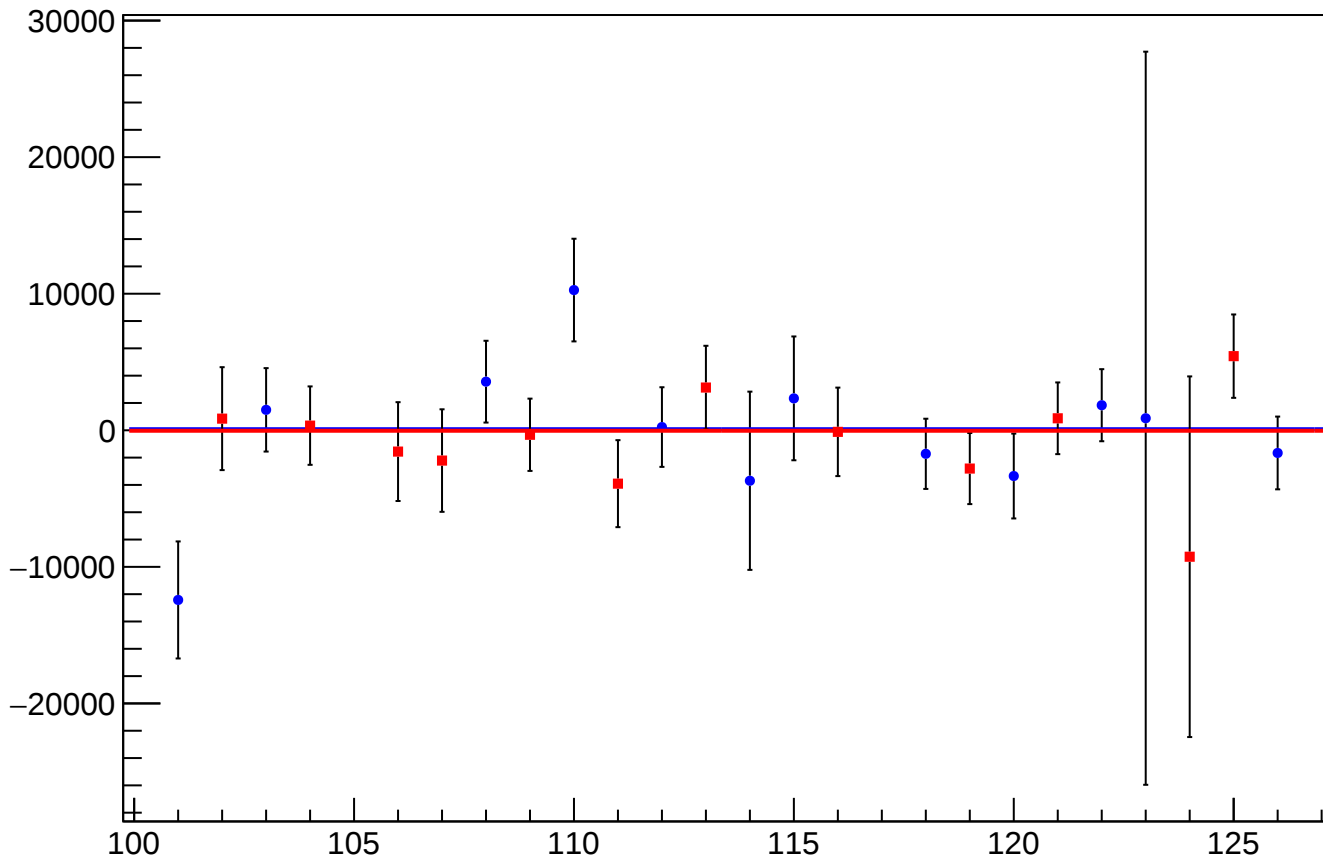
Right: 1254.129+/-0.303  $\chi^2/\text{NDF}$ : 670610.8/23

In: 1242.203+/-0.436  $\chi^2/\text{NDF}$ : 375401.1/11

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

All: 1254.129+/-0.303  $\chi^2/\text{NDF}$ : 670610.8/23

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



Right In: 80.078+/-964.564  $\chi^2/\text{NDF}$ : 20.6/11

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

Right Out: -33.234+/-917.270  $\chi^2/\text{NDF}$ : 8.1/11

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

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

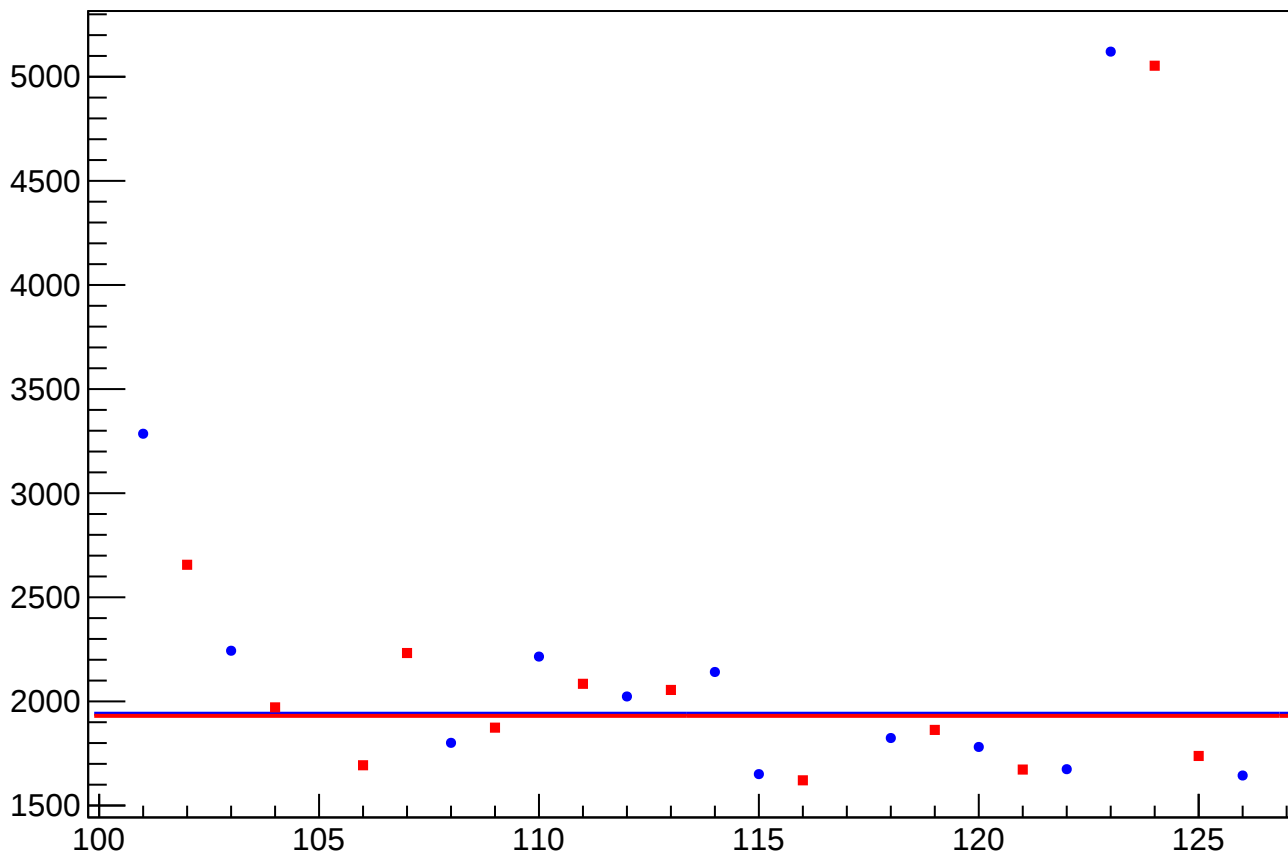
Right: 20.576+/-664.699  $\chi^2/\text{NDF}$ : 28.7/23

In: 80.078+/-964.564  $\chi^2/\text{NDF}$ : 20.6/11

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

All: 20.576+/-664.699  $\chi^2/\text{NDF}$ : 28.7/23

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



Right In: 1940.782+/-0.682  $\chi^2/\text{NDF}$ : 325948.9/11

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

Right Out: 1930.647+/-0.649  $\chi^2/\text{NDF}$ : 263766.5/11

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

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

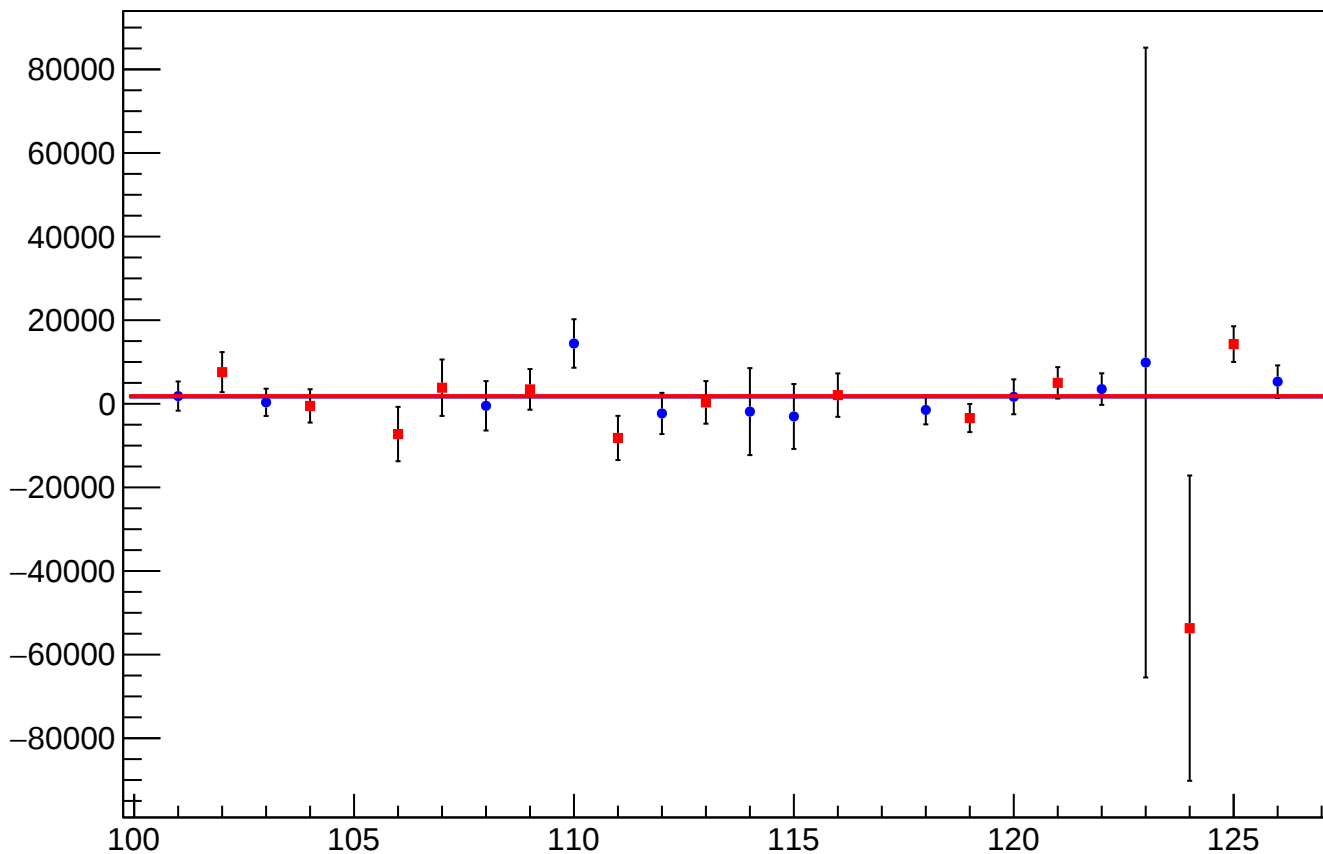
Right: 1935.460+/-0.470  $\chi^2/\text{NDF}$ : 589831.4/23

In: 1940.782+/-0.682  $\chi^2/\text{NDF}$ : 325948.9/11

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

All: 1935.460+/-0.470  $\chi^2/\text{NDF}$ : 589831.4/23

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



Right In: 1737.437+/-1314.308  $\chi^2/\text{NDF}$ : 8.2/11

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

Right Out: 1832.026+/-1385.844  $\chi^2/\text{NDF}$ : 21.6/11

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

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

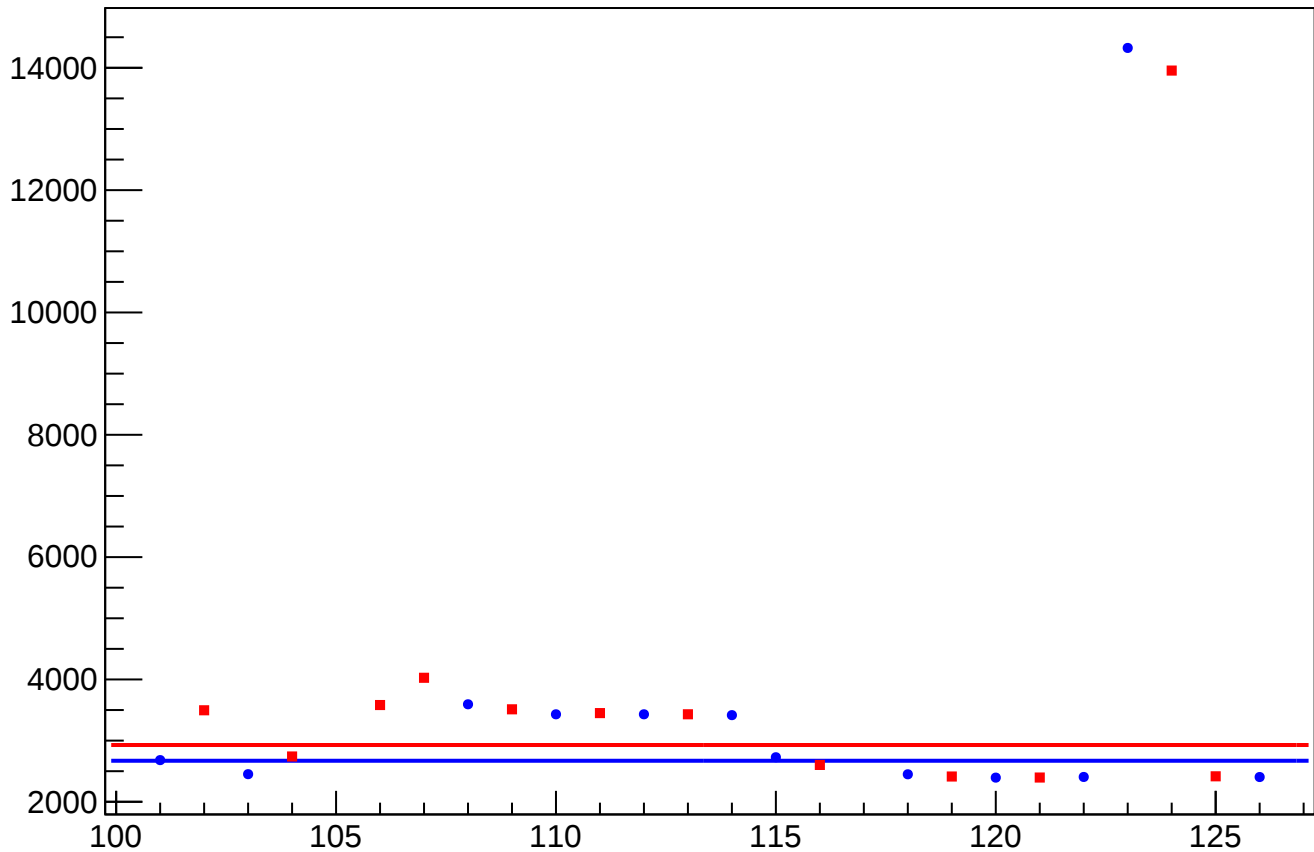
Right: 1782.227+/-953.643  $\chi^2/\text{NDF}$ : 29.8/23

In: 1737.437+/-1314.308  $\chi^2/\text{NDF}$ : 8.2/11

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

All: 1782.227+/-953.643  $\chi^2/\text{NDF}$ : 29.8/23

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



Right In: 2670.621+/-0.929  $\chi^2/\text{NDF}$ : 234123.5/11

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

Right Out: 2928.185+/-0.980  $\chi^2/\text{NDF}$ : 479535.6/11

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

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

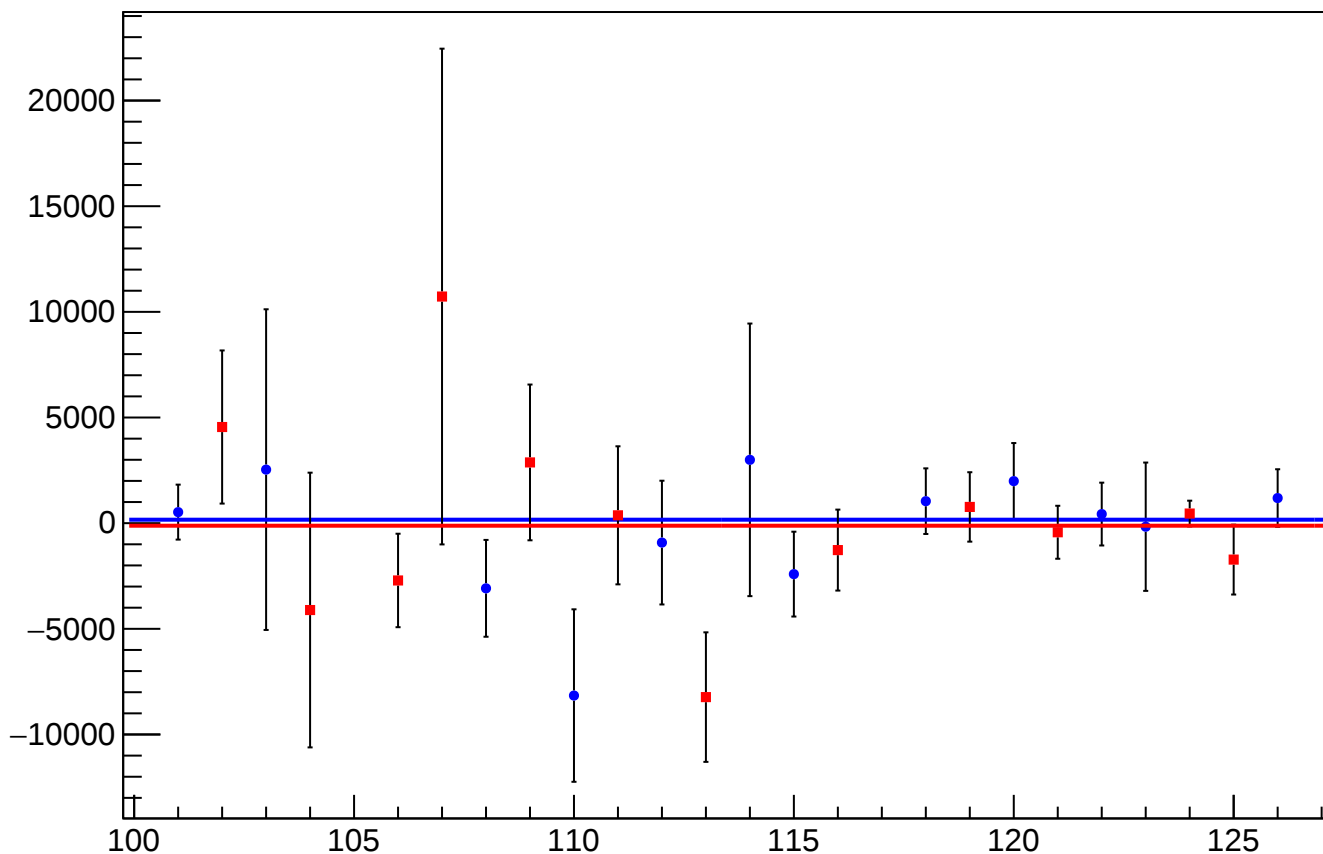
Right: 2792.584+/-0.674  $\chi^2/\text{NDF}$ : 750029.9/23

In: 2670.621+/-0.929  $\chi^2/\text{NDF}$ : 234123.5/11

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

All: 2792.584+/-0.674  $\chi^2/\text{NDF}$ : 750029.9/23

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



Right In: 164.397 $\pm$ 570.686  $\chi^2$ /NDF: 10.3/11

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

Right Out: -120.191 $\pm$ 450.296  $\chi^2$ /NDF: 14.5/11

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

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

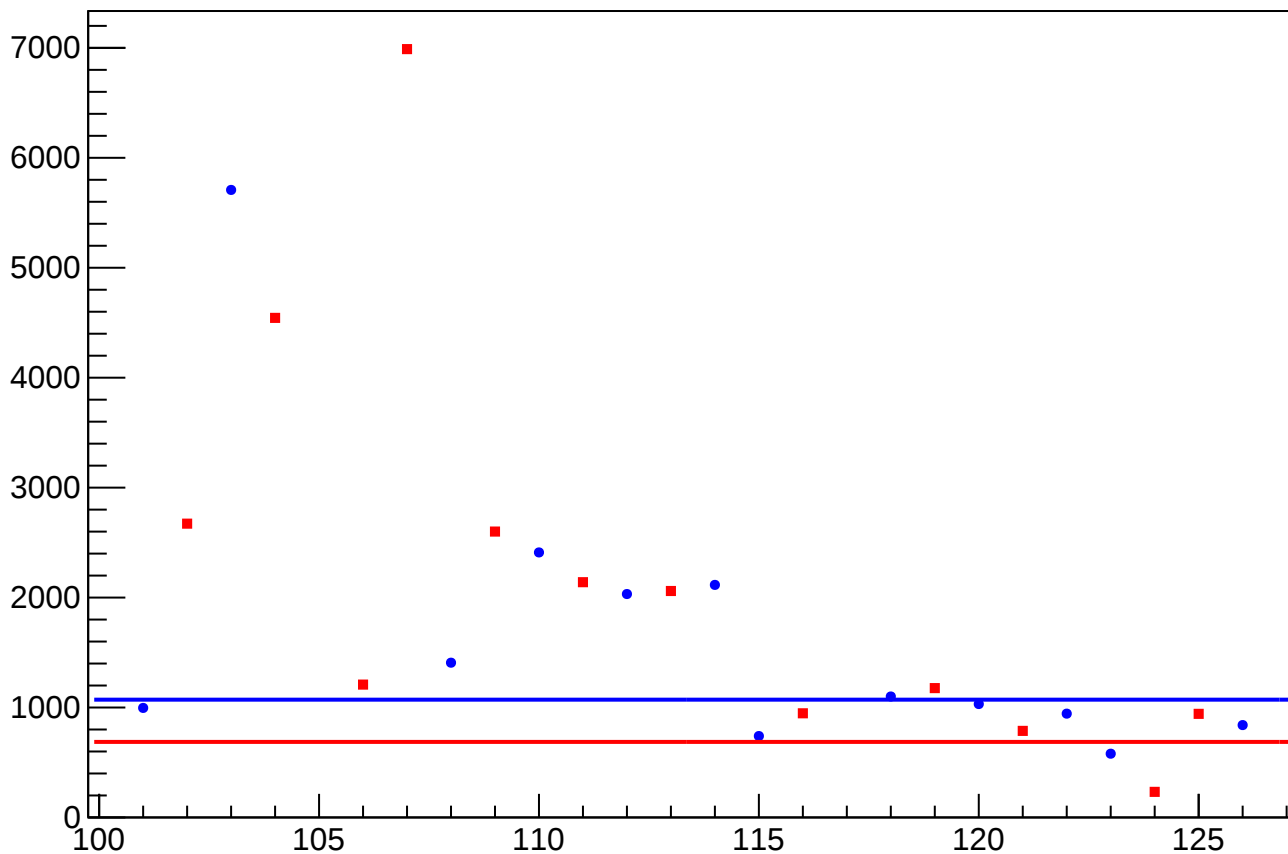
Right: -10.994 $\pm$ 353.504  $\chi^2$ /NDF: 24.9/23

In: 164.397 $\pm$ 570.686  $\chi^2$ /NDF:10.3/11

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

All: -10.994 $\pm$ 353.504  $\chi^2$ /NDF: 24.9/23

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



Right In: 1071.400+/-0.404  $\chi^2/\text{NDF}$ : 1460225.0/11

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

Right Out: 687.197+/-0.318  $\chi^2/\text{NDF}$ : 4718337.7/11

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

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

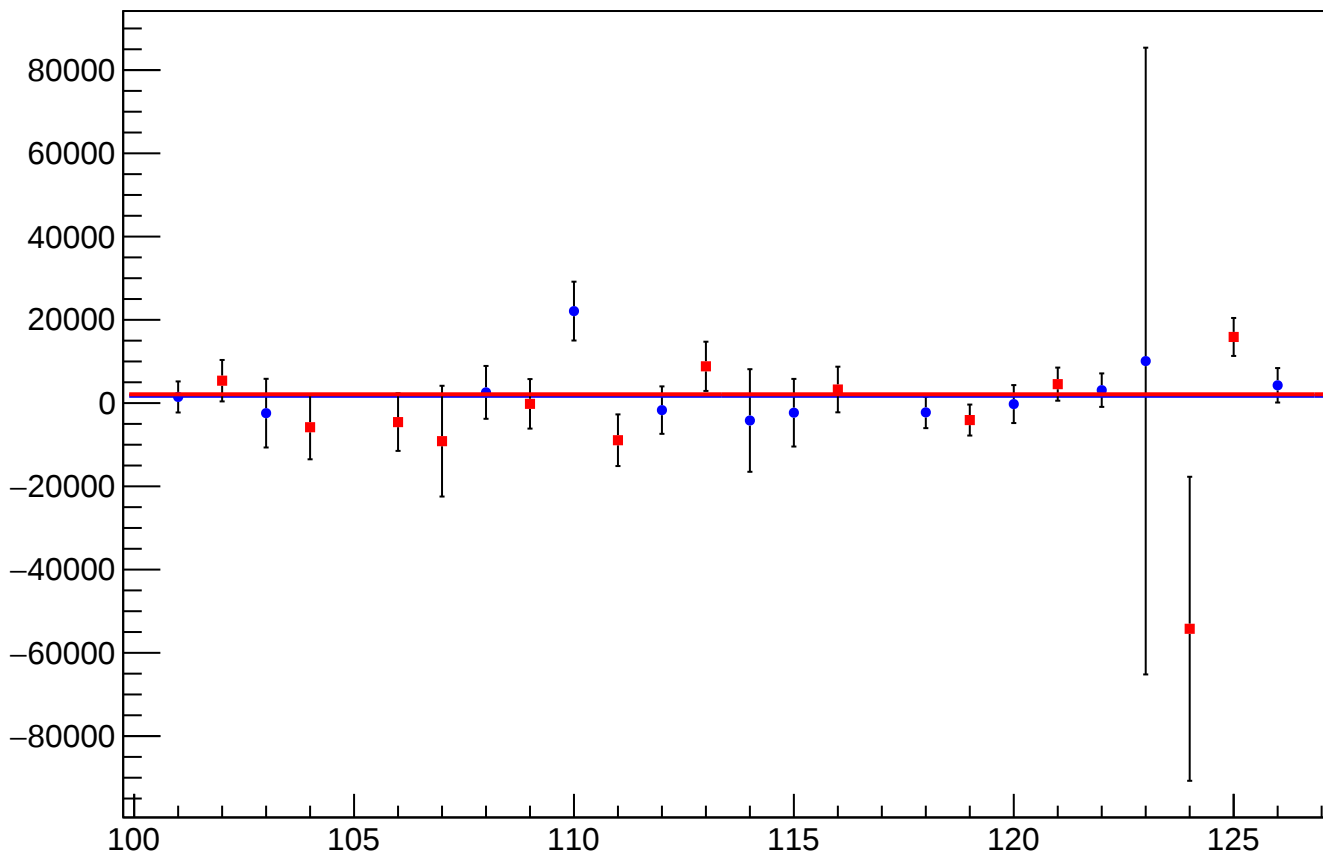
Right: 834.616+/-0.250  $\chi^2/\text{NDF}$ : 6737225.1/23

In: 1071.400+/-0.404  $\chi^2/\text{NDF}$ : 1460225.0/11

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

All: 834.616+/-0.250  $\chi^2/\text{NDF}$ : 6737225.1/23

# asym\_atl1\_mean vs Slug, Sign Corrected



Right In: 1750.030+/-1539.267  $\chi^2/\text{NDF}$ : 11.2/11

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

Right Out: 2116.098+/-1613.581  $\chi^2/\text{NDF}$ : 22.4/11

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

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

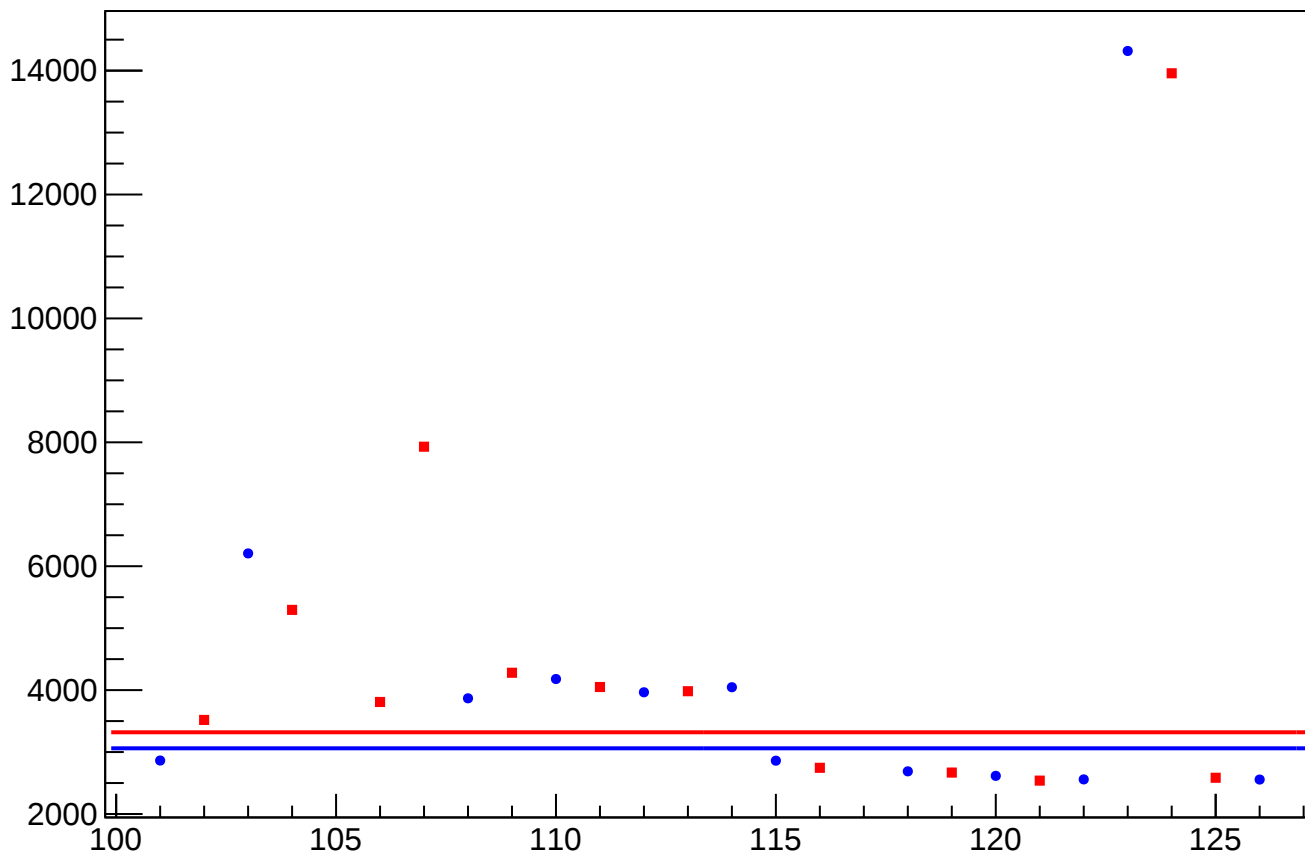
Right: 1924.441+/-1113.772  $\chi^2/\text{NDF}$ : 33.7/23

In: 1750.030+/-1539.267  $\chi^2/\text{NDF}$ : 11.2/11

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

All: 1924.441+/-1113.772  $\chi^2/\text{NDF}$ : 33.7/23

# asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 3060.504+/-1.088  $\chi^2/\text{NDF}$ : 587069.4/11

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

Right Out: 3319.165+/-1.141  $\chi^2/\text{NDF}$ : 871337.4/11

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

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

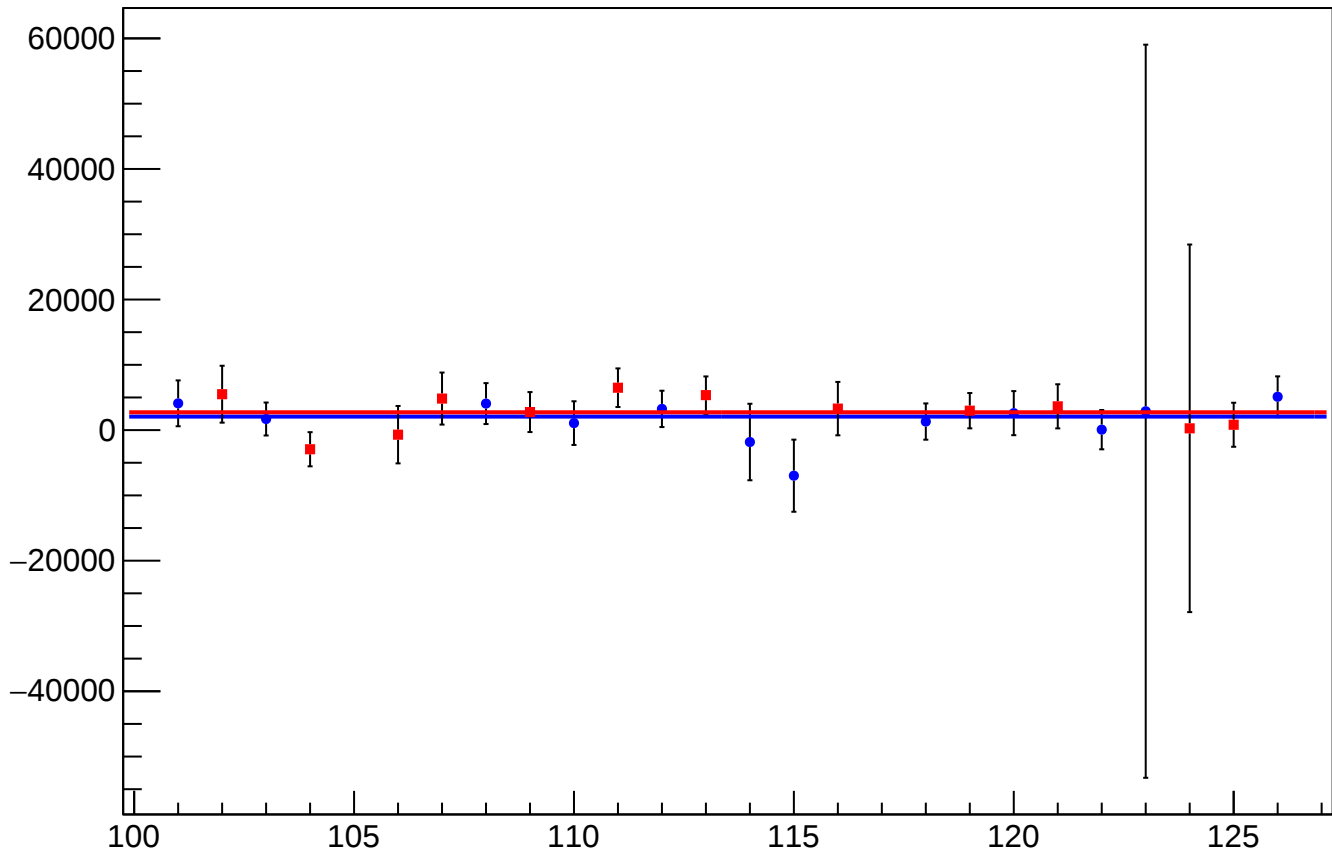
Right: 3183.741+/-0.788  $\chi^2/\text{NDF}$ : 1485314.4/23

In: 3060.504+/-1.088  $\chi^2/\text{NDF}$ : 587069.4/11

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

All: 3183.741+/-0.788  $\chi^2/\text{NDF}$ : 1485314.4/23

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



Right In: 2071.320+/-975.465  $\chi^2/\text{NDF}$ : 5.6/11

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

Right Out: 2733.605+/-985.566  $\chi^2/\text{NDF}$ : 8.9/11

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

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

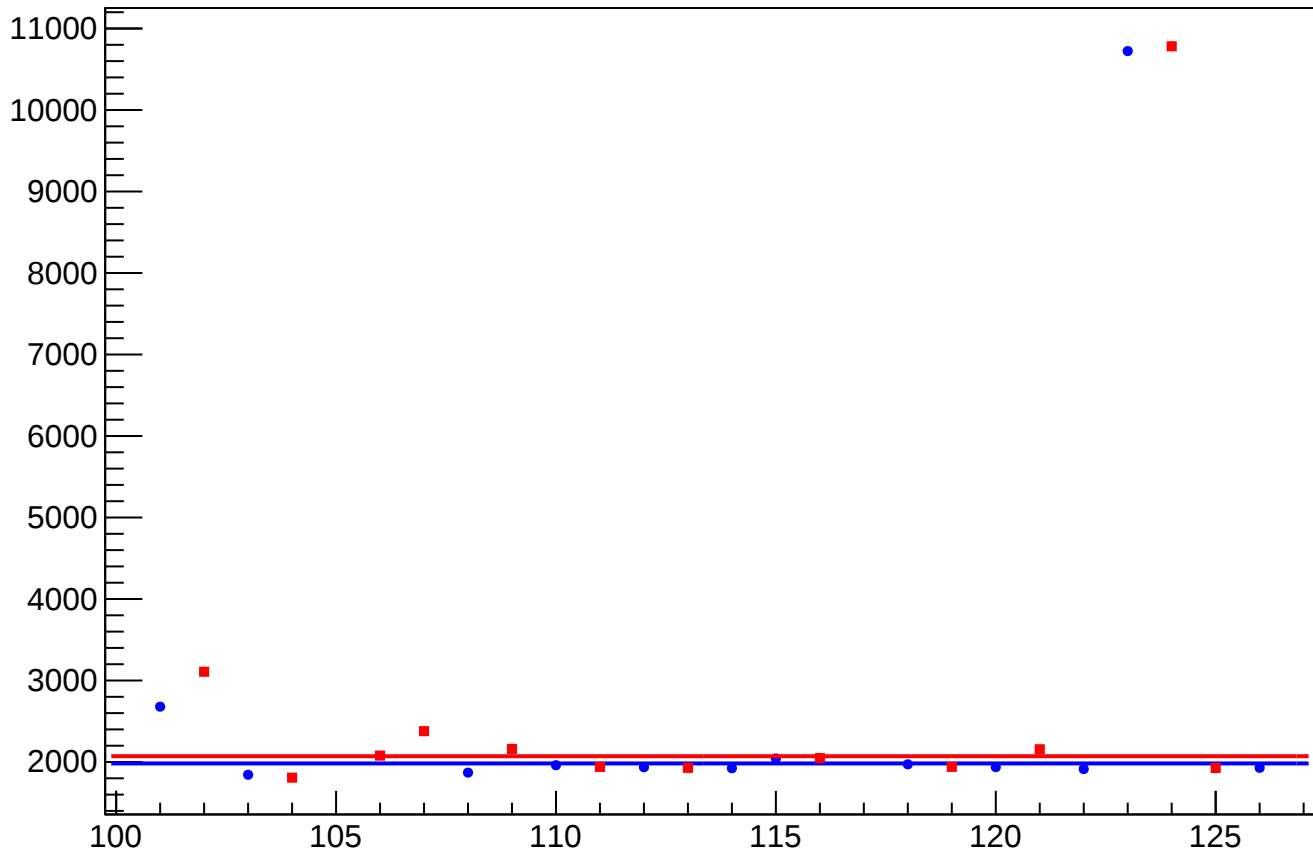
Right: 2399.051+/-693.301  $\chi^2/\text{NDF}$ : 14.7/23

In: 2071.320+/-975.465  $\chi^2/\text{NDF}$ : 5.6/11

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

All: 2399.051+/-693.301  $\chi^2/\text{NDF}$ : 14.7/23

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



Right In: 1982.431+/-0.690  $\chi^2/\text{NDF}$ : 138843.6/11

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

Right Out: 2070.884+/-0.695  $\chi^2/\text{NDF}$ : 356971.4/11

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

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

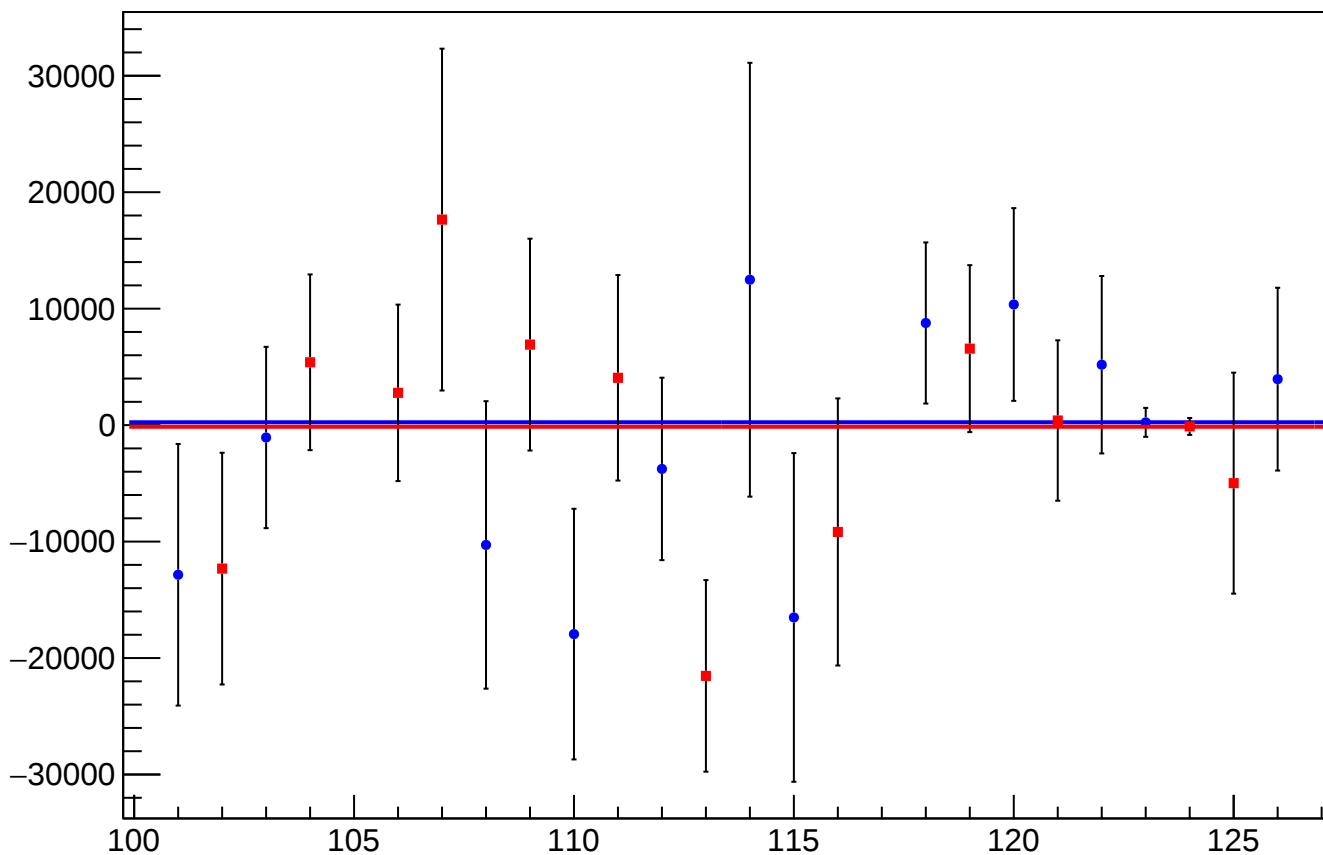
Right: 2026.298+/-0.490  $\chi^2/\text{NDF}$ : 503970.7/23

In: 1982.431+/-0.690  $\chi^2/\text{NDF}$ : 138843.6/11

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

All: 2026.298+/-0.490  $\chi^2/\text{NDF}$ : 503970.7/23

asym\_atl2\_correction\_mean vs Slug, Sign Corrected



Right In: 245.864 $\pm$ 1132.228  $\chi^2$ /NDF: 10.7/11

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

Right Out: -138.471 $\pm$ 699.019  $\chi^2$ /NDF: 13.0/11

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

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

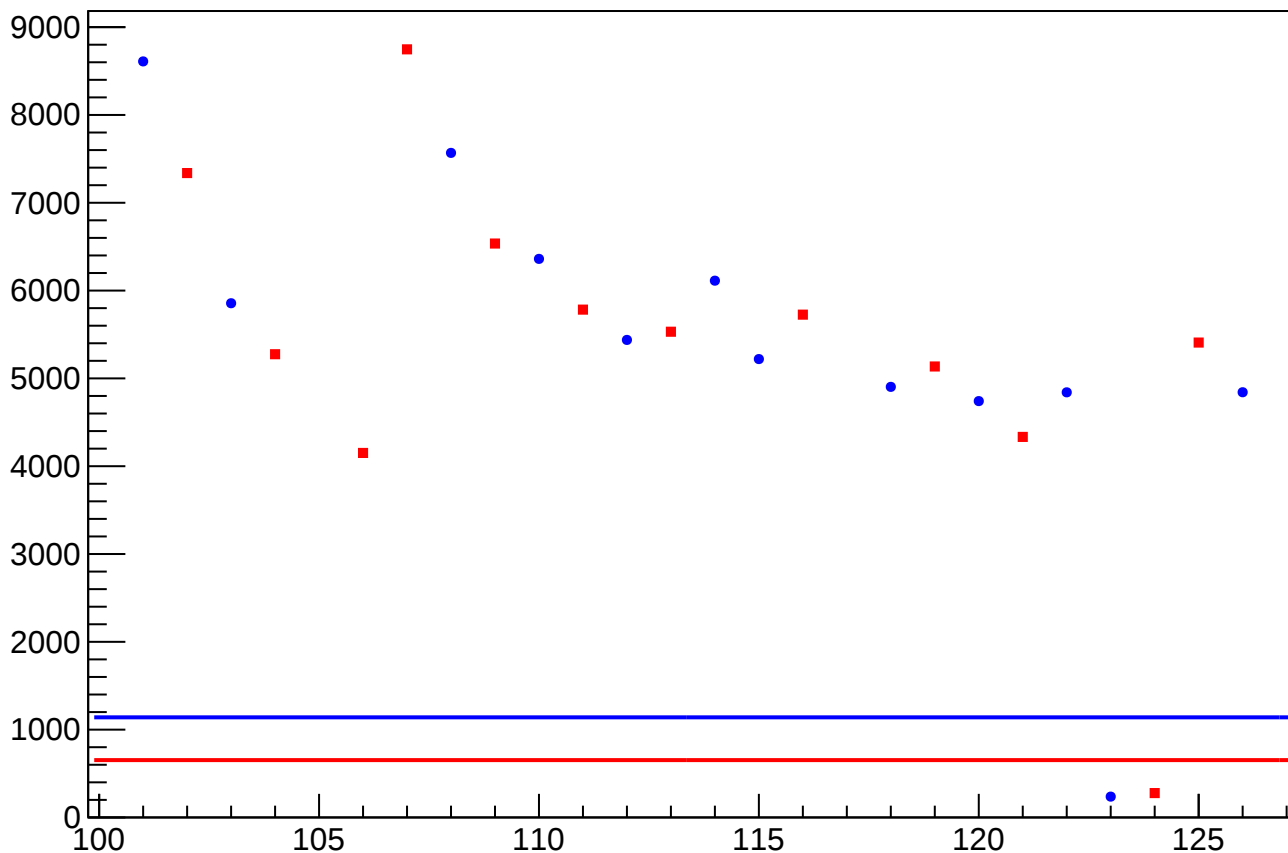
Right: -32.405 $\pm$ 594.794  $\chi^2$ /NDF: 23.8/23

In: 245.864 $\pm$ 1132.228  $\chi^2$ /NDF:10.7/11

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

All: -32.405 $\pm$ 594.794  $\chi^2$ /NDF: 23.8/23

# asym\_atl2\_correction\_rms vs Slug, Sign Corrected



Right In: 1140.107+/-0.801  $\chi^2/\text{NDF}$ : 6487093.4/11

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

Right Out: 653.093+/-0.494  $\chi^2/\text{NDF}$ : 7686389.6/11

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

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

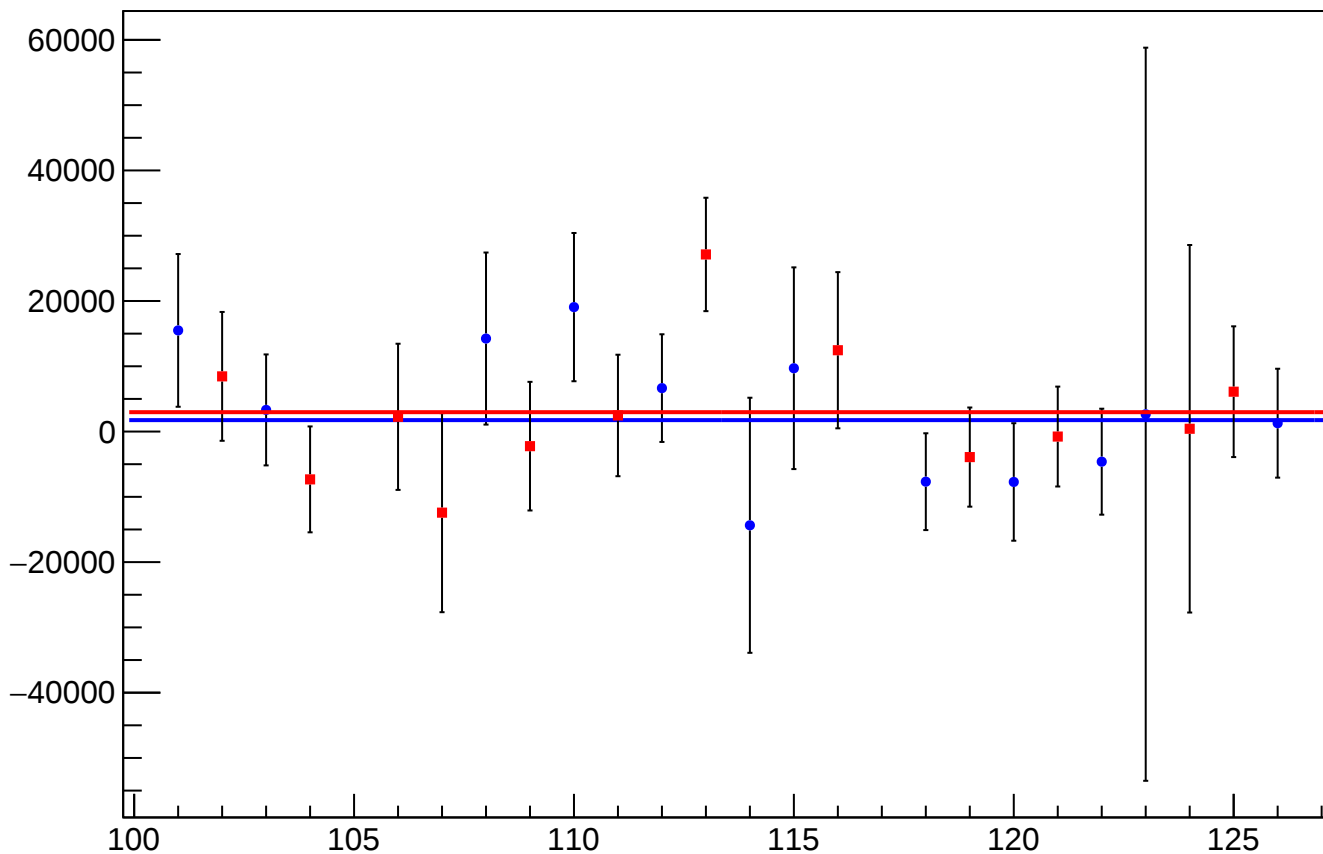
Right: 787.495+/-0.421  $\chi^2/\text{NDF}$ : 14441400.8/23

In: 1140.107+/-0.801  $\chi^2/\text{NDF}$ : 6487093.4/11

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

All: 787.495+/-0.421  $\chi^2/\text{NDF}$ : 14441400.8/23

# asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 1750.754+/-2928.801  $\chi^2/\text{NDF}$ : 9.3/11

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

Right Out: 2969.421+/-2822.829  $\chi^2/\text{NDF}$ : 12.8/11

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

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

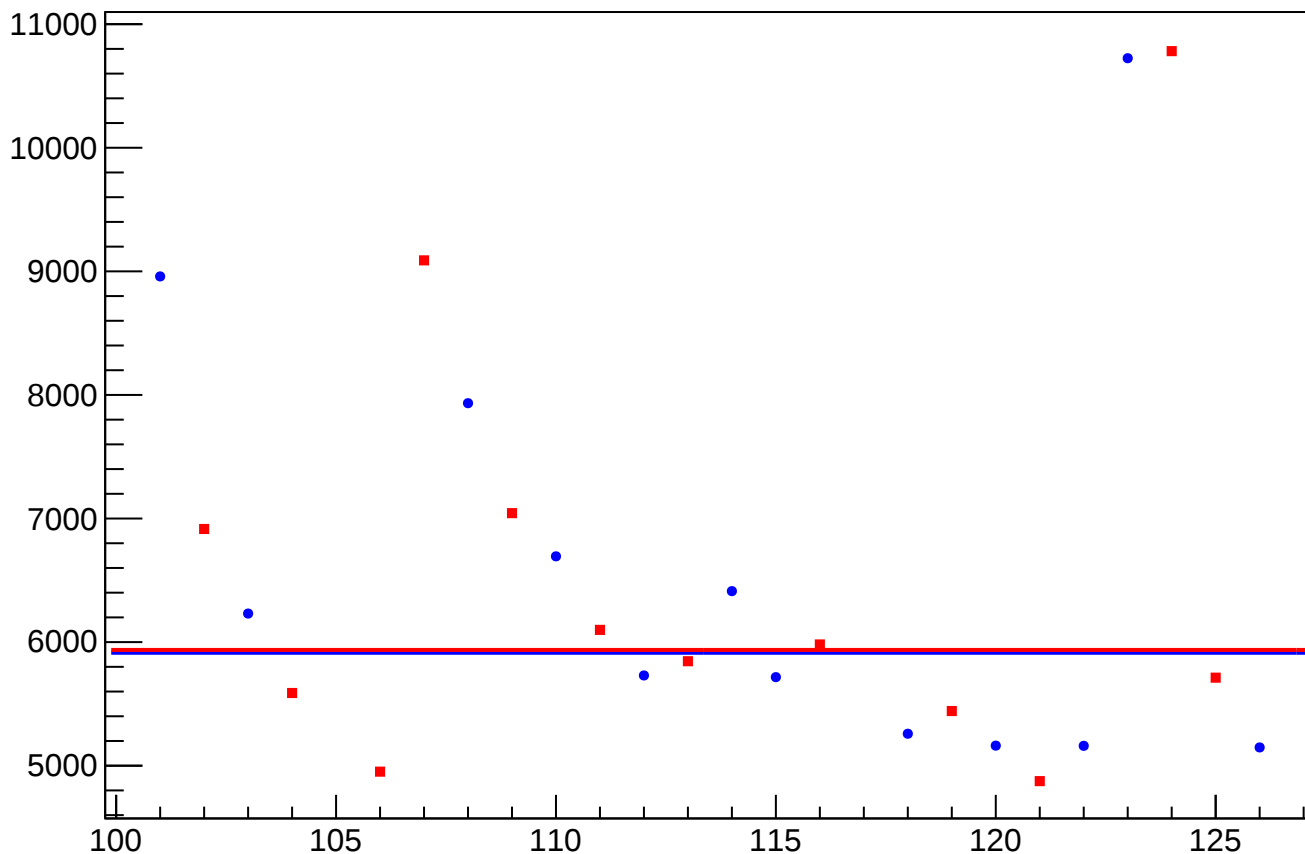
Right: 2382.533+/-2032.473  $\chi^2/\text{NDF}$ : 22.1/23

In: 1750.754+/-2928.801  $\chi^2/\text{NDF}$ : 9.3/11

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

All: 2382.533+/-2032.473  $\chi^2/\text{NDF}$ : 22.1/23

# asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 5913.765+/-2.071  $\chi^2/\text{NDF}$ : 275648.5/11

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

Right Out: 5936.810+/-1.996  $\chi^2/\text{NDF}$ : 257668.4/11

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

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

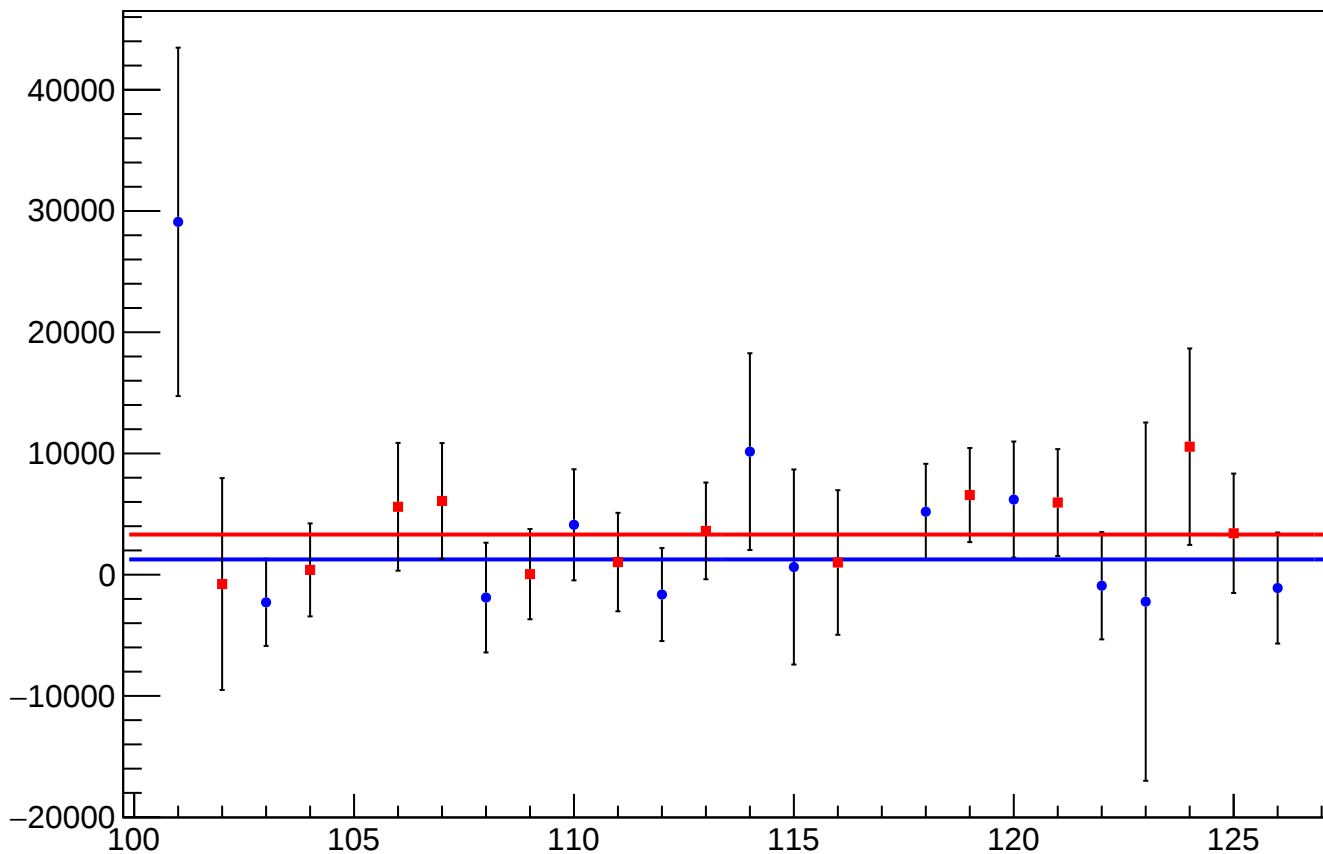
Right: 5925.713+/-1.437  $\chi^2/\text{NDF}$ : 533381.2/23

In: 5913.765+/-2.071  $\chi^2/\text{NDF}$ :275648.5/11

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

All: 5925.713+/-1.437  $\chi^2/\text{NDF}$ : 533381.2/23

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



Right In: 1258.782+/-1431.345  $\chi^2/\text{NDF}$ : 10.0/11

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

Right Out: 3310.991+/-1337.727  $\chi^2/\text{NDF}$ : 4.4/11

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

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

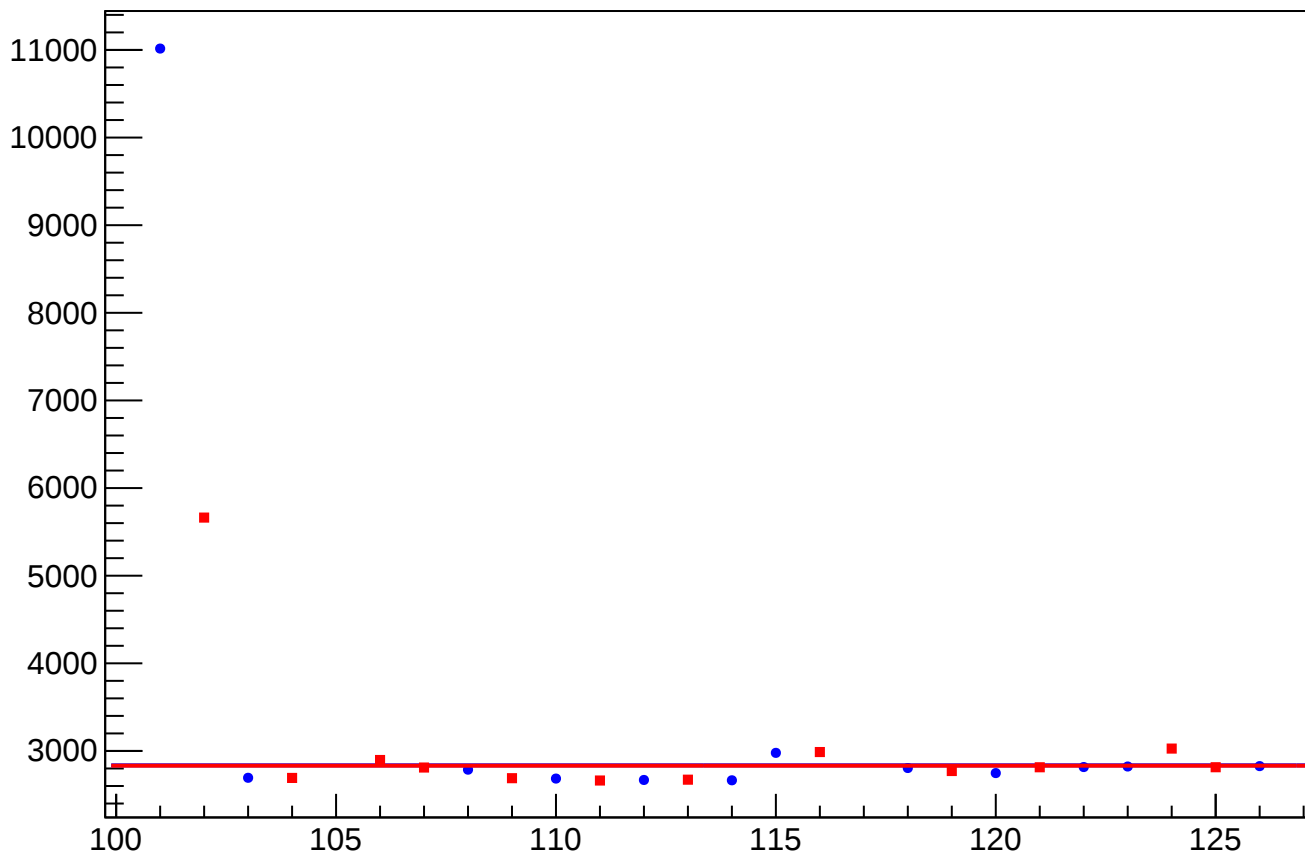
Right: 2354.189+/-977.337  $\chi^2/\text{NDF}$ : 15.5/23

In: 1258.782+/-1431.345  $\chi^2/\text{NDF}$ :10.0/11

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

All: 2354.189+/-977.337  $\chi^2/\text{NDF}$ : 15.5/23

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



Right In: 2835.845+/-1.012  $\chi^2/\text{NDF}$ : 659639.0/11

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

Right Out: 2831.992+/-0.946  $\chi^2/\text{NDF}$ : 225673.6/11

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

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

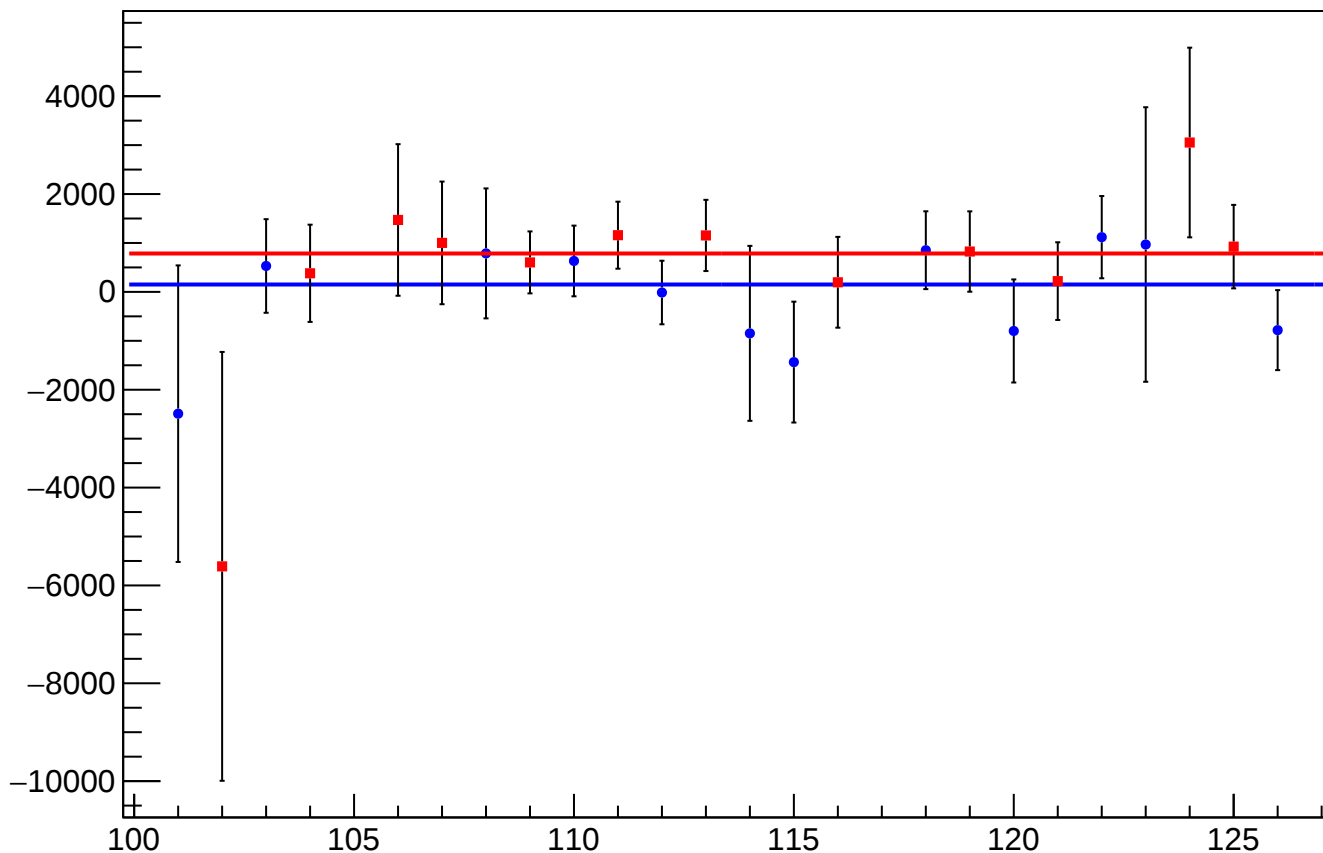
Right: 2833.789+/-0.691  $\chi^2/\text{NDF}$ : 885320.3/23

In: 2835.845+/-1.012  $\chi^2/\text{NDF}$ : 659639.0/11

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

All: 2833.789+/-0.691  $\chi^2/\text{NDF}$ : 885320.3/23

# asym\_atr1\_correction\_mean vs Slug, Sign Corrected



Right In: 150.999 $\pm$ 282.352  $\chi^2$ /NDF: 7.9/11

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

Right Out: 784.654 $\pm$ 262.603  $\chi^2$ /NDF: 5.5/11

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

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

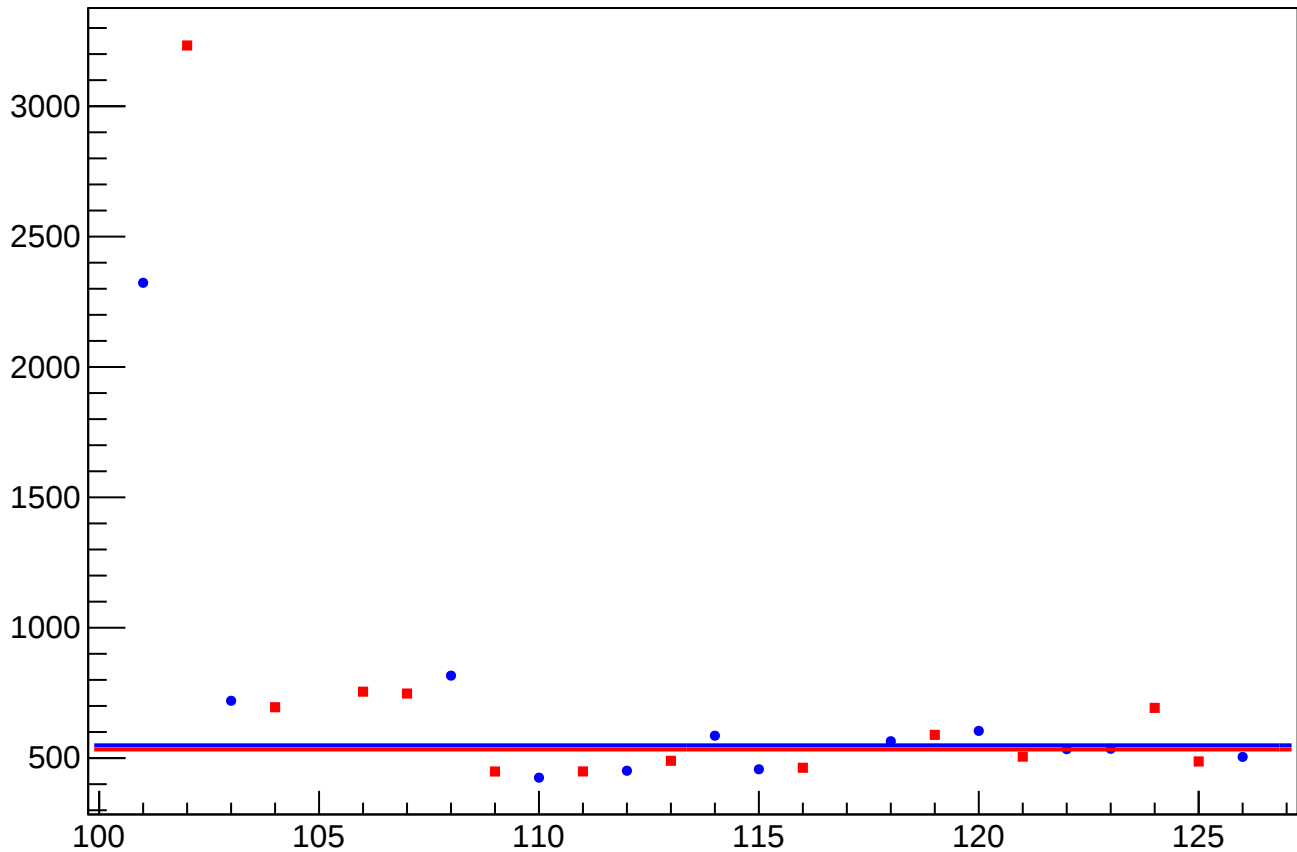
Right: 490.760 $\pm$ 192.291  $\chi^2$ /NDF: 16.1/23

In: 150.999 $\pm$ 282.352  $\chi^2$ /NDF:7.9/11

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

All: 490.760 $\pm$ 192.291  $\chi^2$ /NDF: 16.1/23

# asym\_atr1\_correction\_rms vs Slug, Sign Corrected



Right In: 548.998+/-0.200  $\chi^2/\text{NDF}$ : 958454.0/11

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

Right Out: 533.008+/-0.186  $\chi^2/\text{NDF}$ : 1027036.4/11

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

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

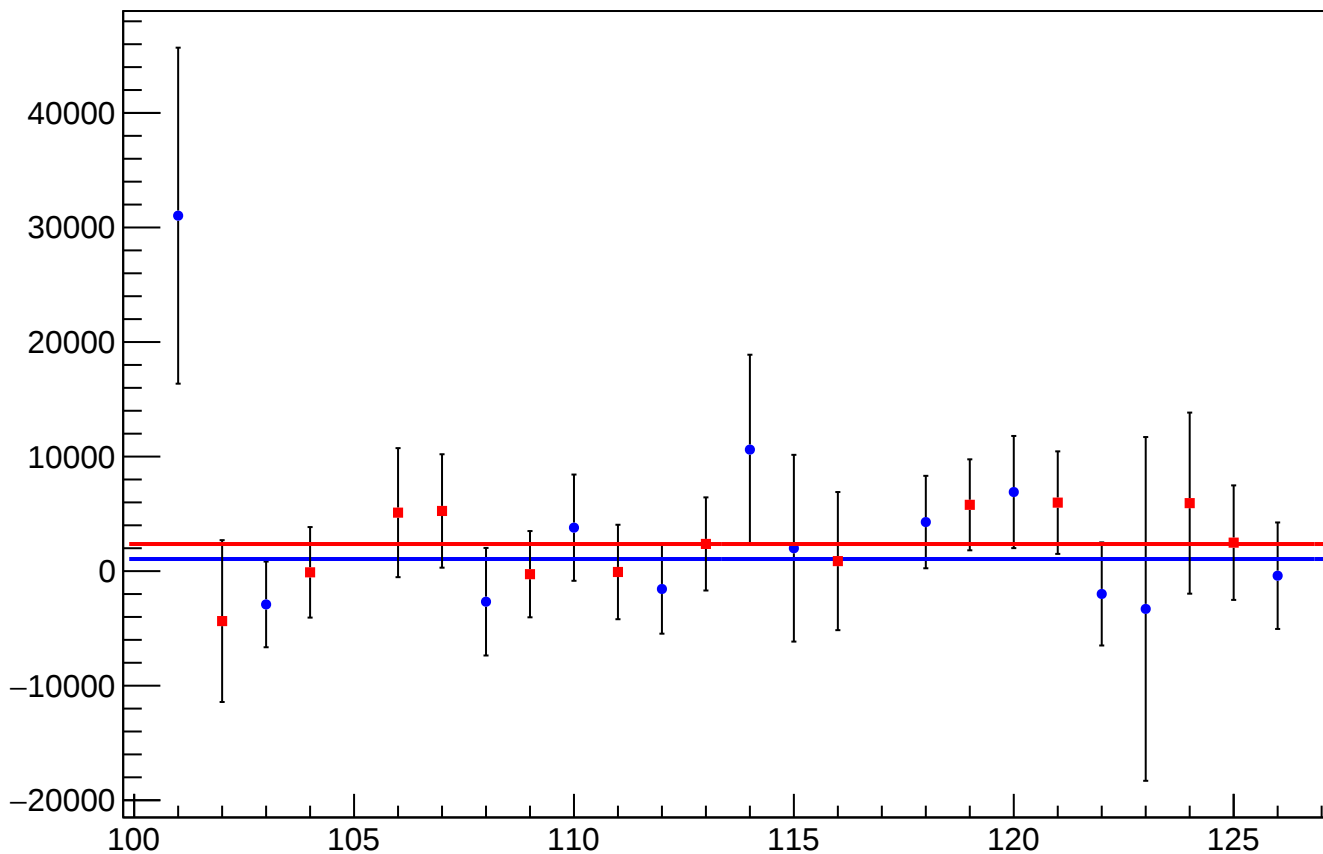
Right: 540.424+/-0.136  $\chi^2/\text{NDF}$ : 1988929.5/23

In: 548.998+/-0.200  $\chi^2/\text{NDF}$ : 958454.0/11

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

All: 540.424+/-0.136  $\chi^2/\text{NDF}$ : 1988929.5/23

# asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 1058.437+/-1463.943  $\chi^2/\text{NDF}$ : 10.8/11

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

Right Out: 2367.352+/-1356.882  $\chi^2/\text{NDF}$ : 4.4/11

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

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

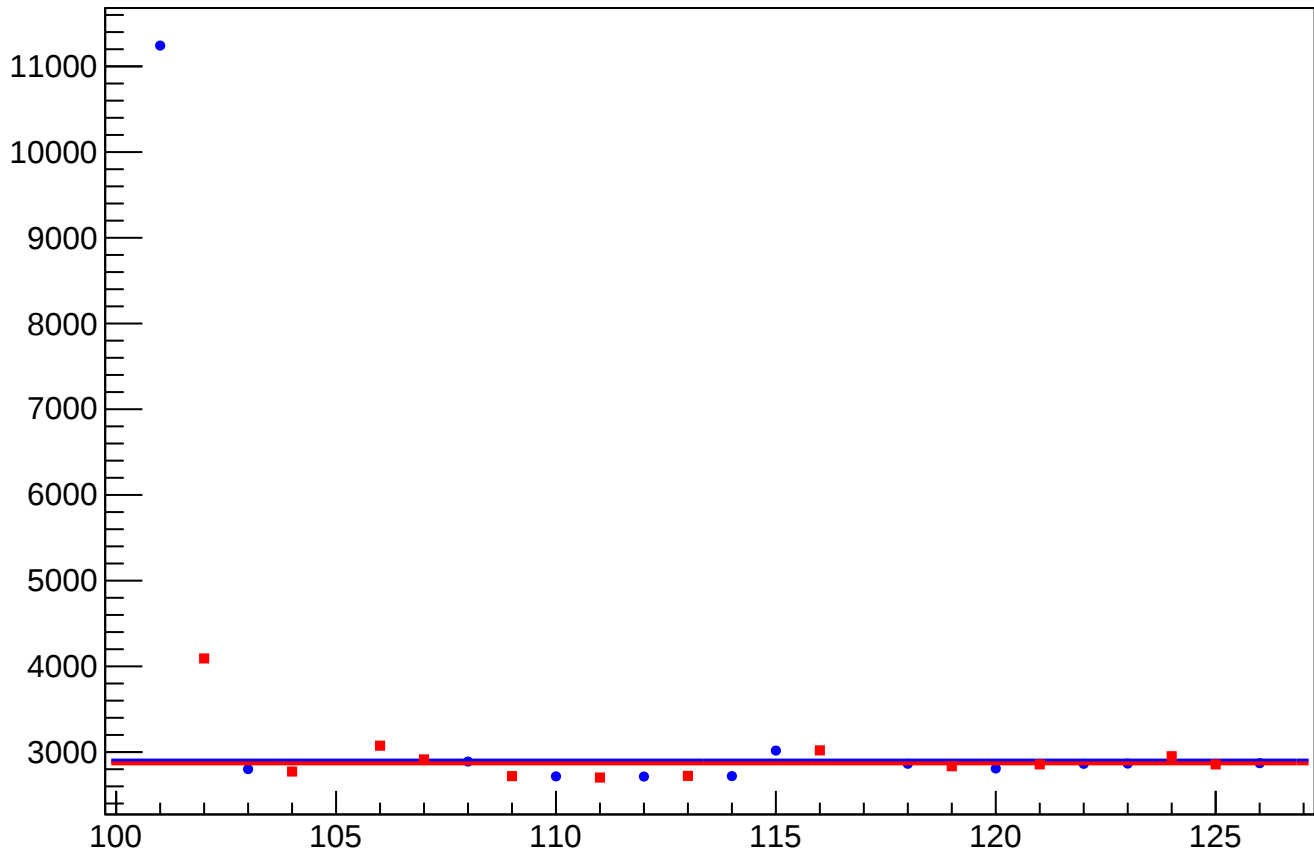
Right: 1762.501+/-995.159  $\chi^2/\text{NDF}$ : 15.6/23

In: 1058.437+/-1463.943  $\chi^2/\text{NDF}$ : 10.8/11

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

All: 1762.501+/-995.159  $\chi^2/\text{NDF}$ : 15.6/23

# asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2900.735+/-1.035  $\chi^2/\text{NDF}$ : 658652.6/11

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

Right Out: 2868.468+/-0.959  $\chi^2/\text{NDF}$ : 74660.7/11

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

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

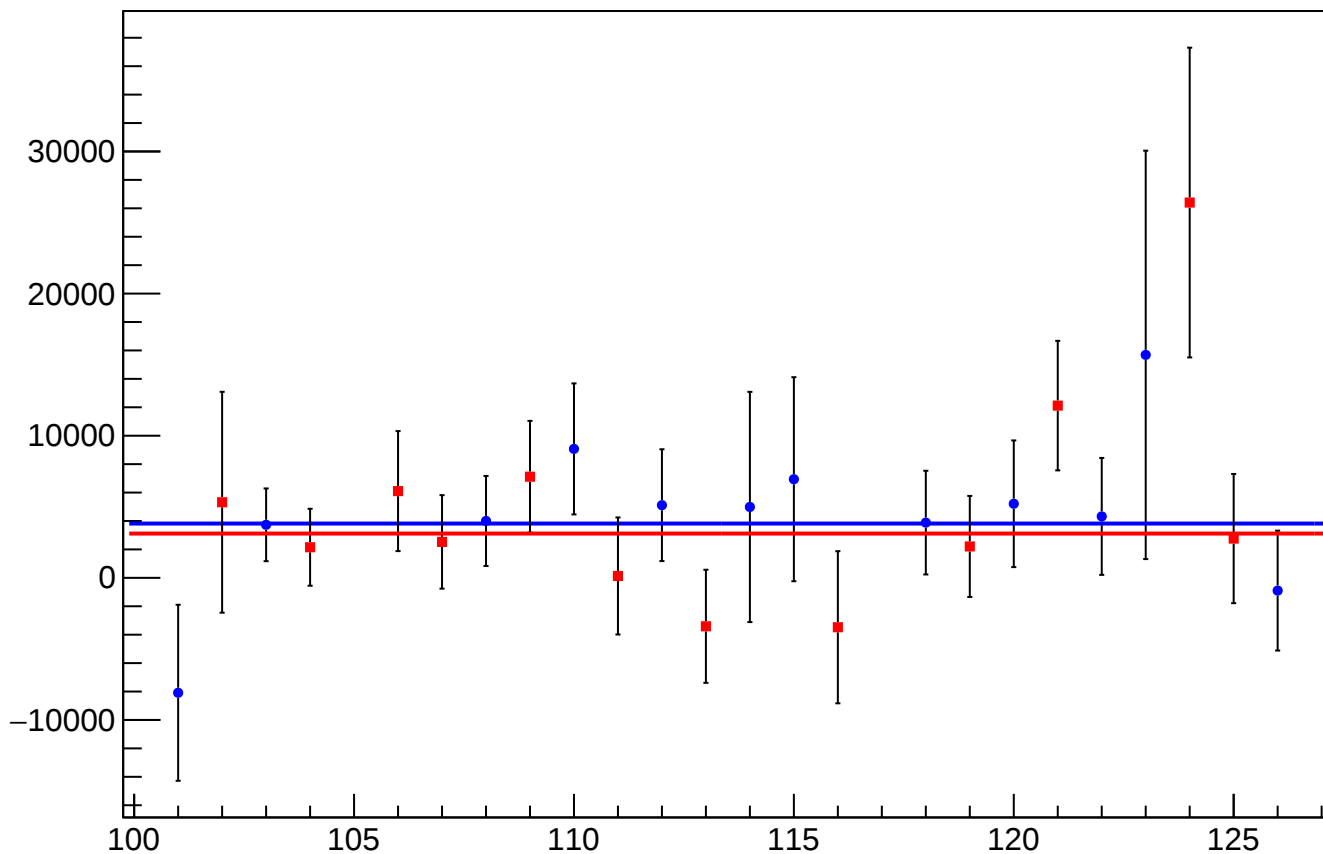
Right: 2883.379+/-0.704  $\chi^2/\text{NDF}$ : 733836.0/23

In: 2900.735+/-1.035  $\chi^2/\text{NDF}$ : 658652.6/11

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

All: 2883.379+/-0.704  $\chi^2/\text{NDF}$ : 733836.0/23

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



Right In: 3820.284+/-1221.438  $\chi^2/\text{NDF}$ : 7.4/11

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

Right Out: 3116.326+/-1188.950  $\chi^2/\text{NDF}$ : 15.1/11

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

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

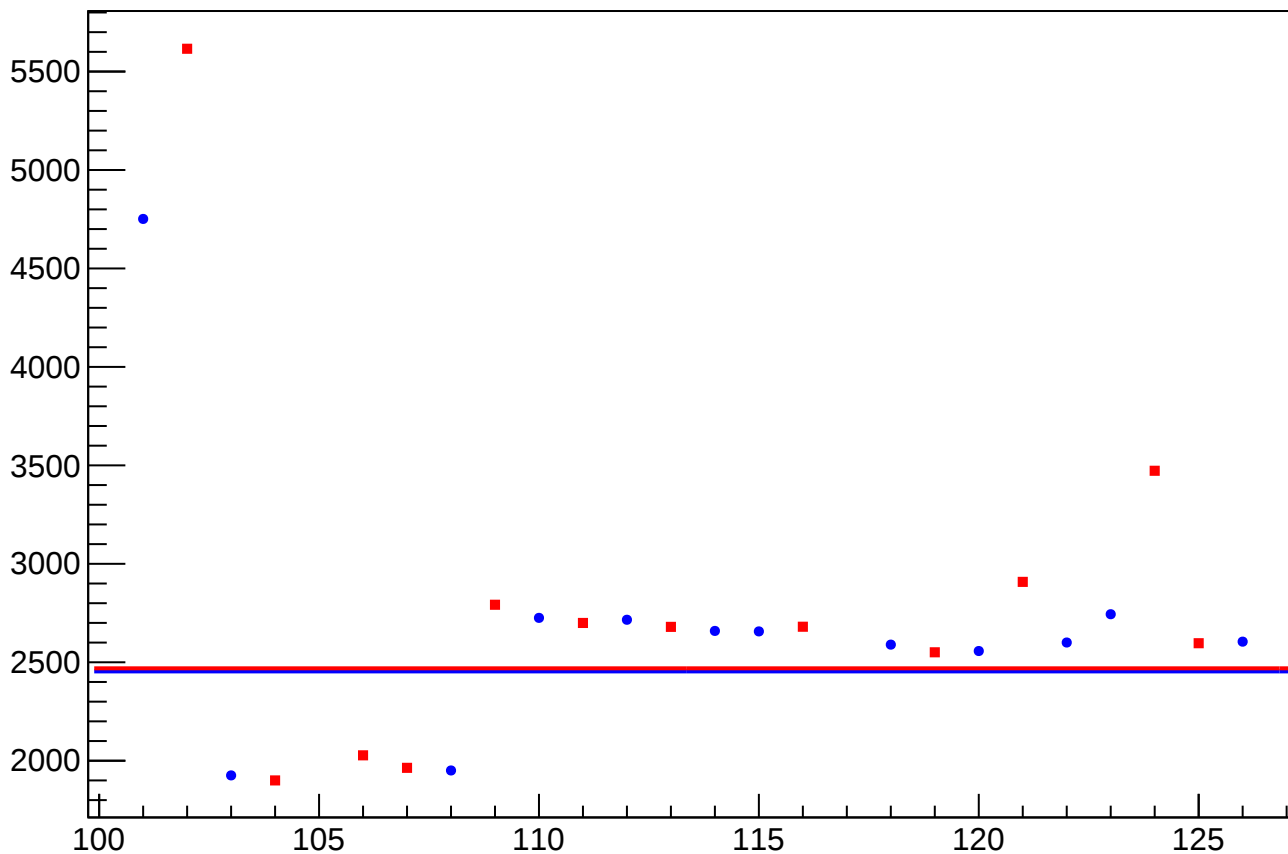
Right: 3458.819+/-851.969  $\chi^2/\text{NDF}$ : 22.6/23

In: 3820.284+/-1221.438  $\chi^2/\text{NDF}$ : 7.4/11

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

All: 3458.819+/-851.969  $\chi^2/\text{NDF}$ : 22.6/23

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



Right In: 2453.688+/-0.864  $\chi^2/\text{NDF}$ : 439446.3/11

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

Right Out: 2469.296+/-0.840  $\chi^2/\text{NDF}$ : 552364.4/11

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

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

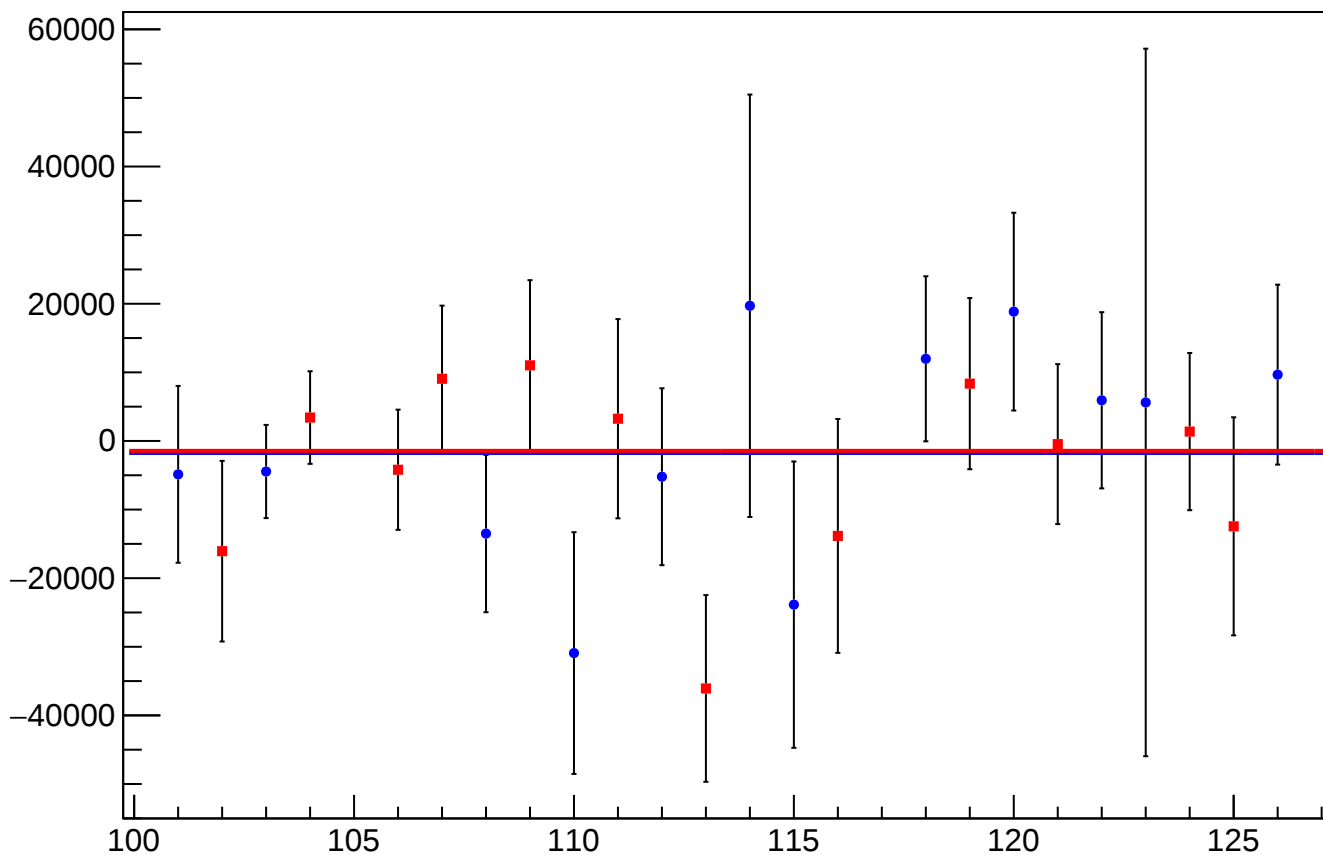
Right: 2461.707+/-0.602  $\chi^2/\text{NDF}$ : 991978.5/23

In: 2453.688+/-0.864  $\chi^2/\text{NDF}$ :439446.3/11

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

All: 2461.707+/-0.602  $\chi^2/\text{NDF}$ : 991978.5/23

# asym\_atr2\_correction\_mean vs Slug, Sign Corrected



Right In: -1748.642+/-3729.782  $\chi^2/\text{NDF}$ : 10.2/11

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

Right Out: -1439.752+/-3244.352  $\chi^2/\text{NDF}$ : 12.1/11

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

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

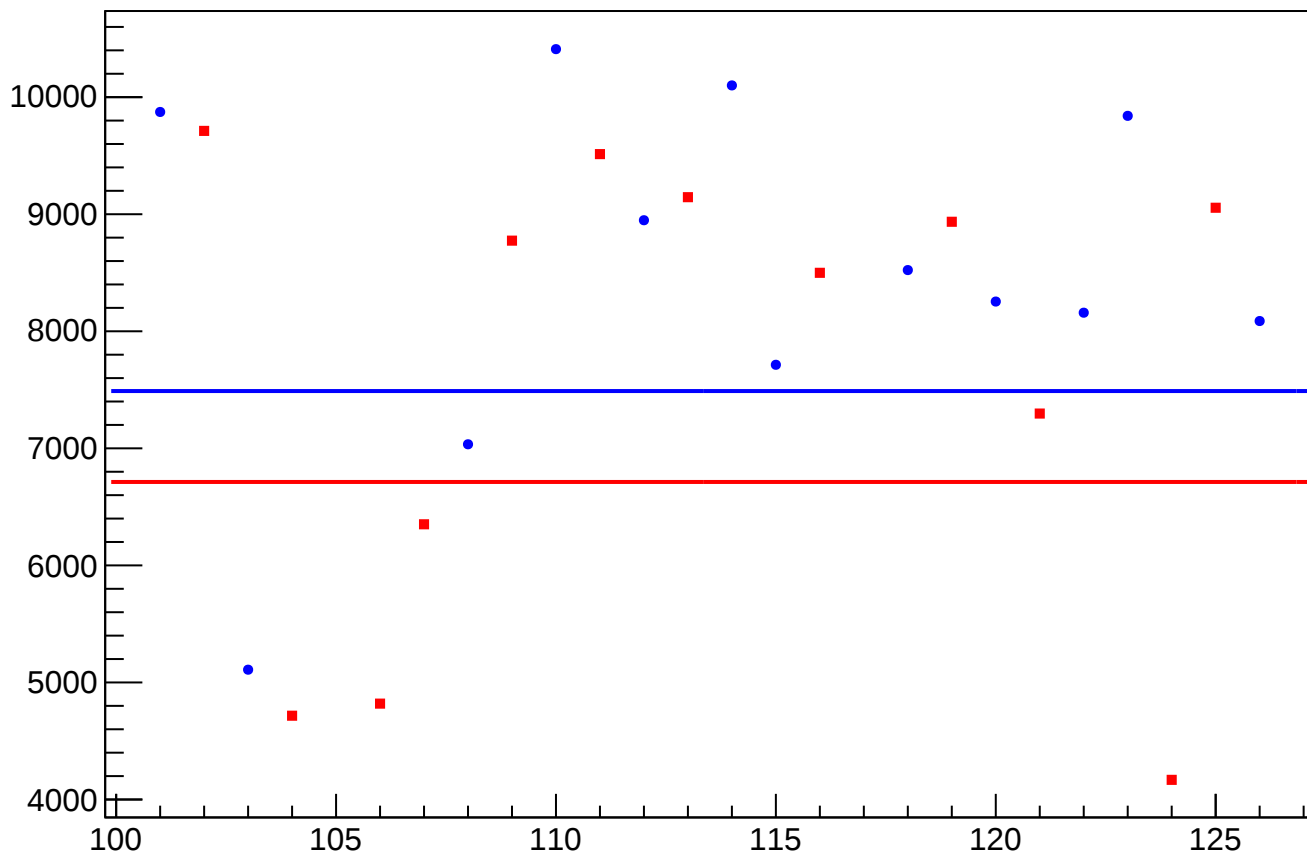
Right: -1572.800+/-2447.860  $\chi^2/\text{NDF}$ : 22.3/23

In: -1748.642+/-3729.782  $\chi^2/\text{NDF}$ :10.2/11

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

All: -1572.800+/-2447.860  $\chi^2/\text{NDF}$ : 22.3/23

# asym\_atr2\_correction\_rms vs Slug, Sign Corrected



Right In:  $7489.418 \pm 2.637$   $\chi^2/\text{NDF}: 446670.1/11$

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

Right Out:  $6712.755 \pm 2.294$   $\chi^2/\text{NDF}: 800903.3/11$

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

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

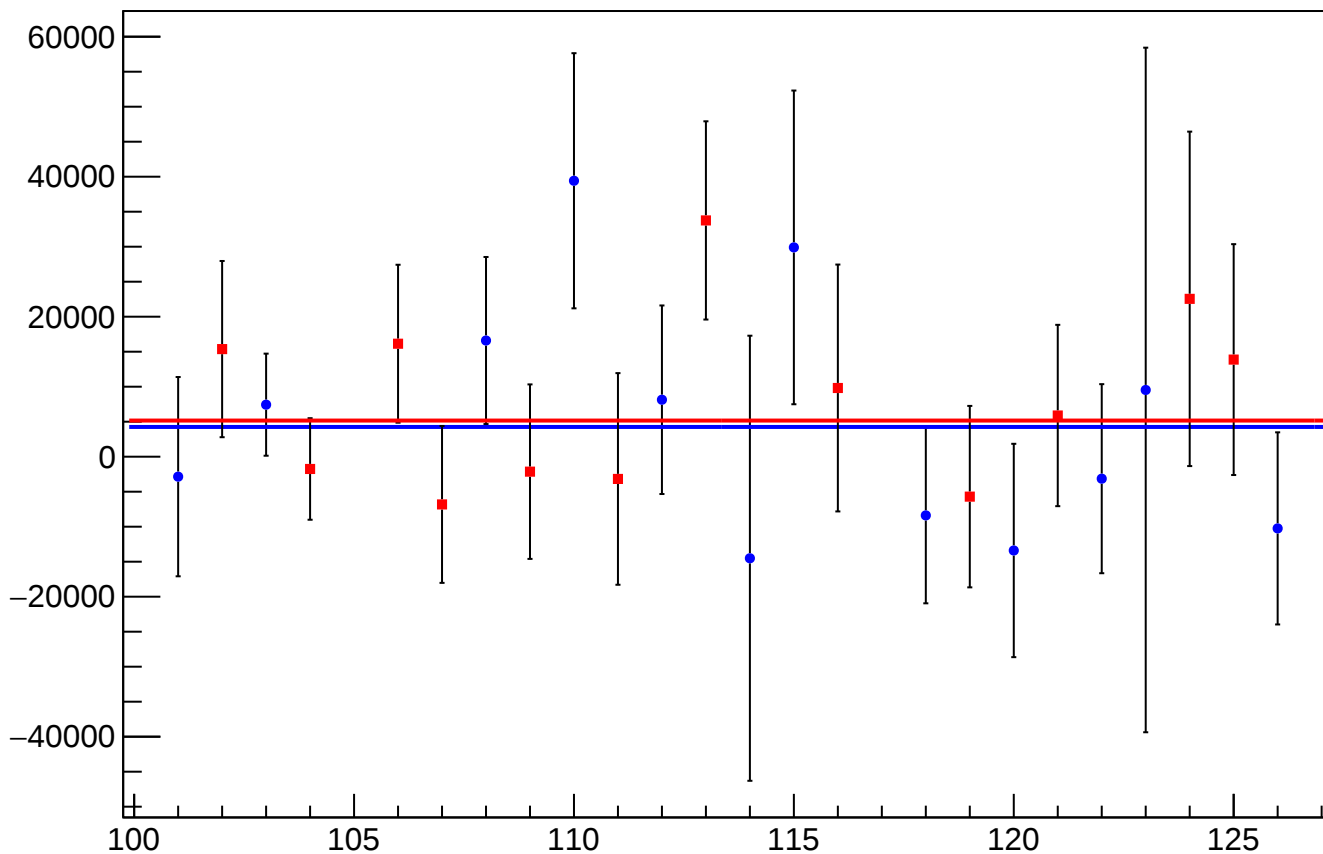
Right:  $7047.288 \pm 1.731$   $\chi^2/\text{NDF}: 1296941.4/23$

In:  $7489.418 \pm 2.637$   $\chi^2/\text{NDF}: 446670.1/11$

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

All:  $7047.288 \pm 1.731$   $\chi^2/\text{NDF}: 1296941.4/23$

# asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 4249.289+/-3949.023  $\chi^2/\text{NDF}$ : 10.8/11

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

Right Out: 5162.821+/-3592.090  $\chi^2/\text{NDF}$ : 10.0/11

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

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

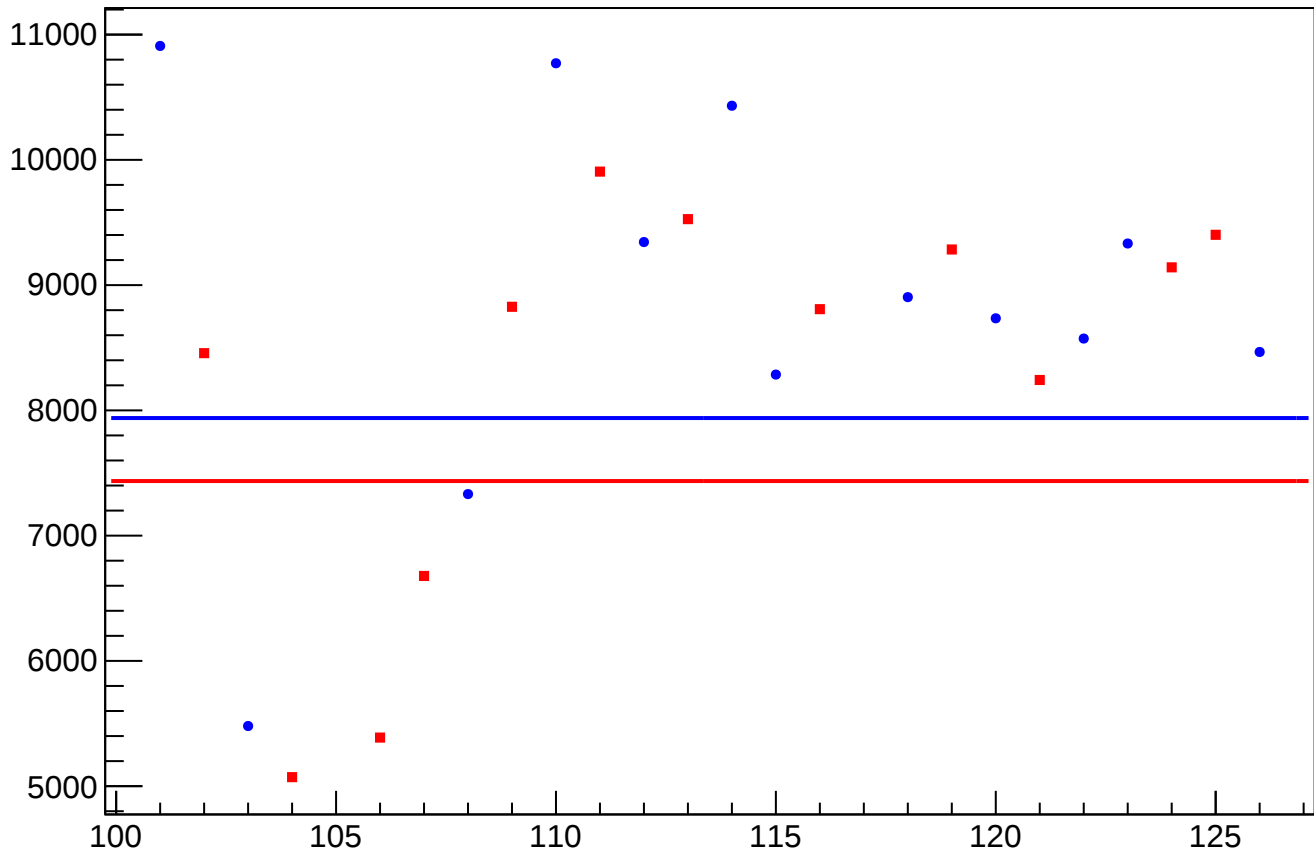
Right: 4749.197+/-2657.238  $\chi^2/\text{NDF}$ : 20.8/23

In: 4249.289+/-3949.023  $\chi^2/\text{NDF}$ : 10.8/11

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

All: 4749.197+/-2657.238  $\chi^2/\text{NDF}$ : 20.8/23

# asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 7938.803+/-2.792  $\chi^2/\text{NDF}$ : 428804.3/11

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

Right Out: 7435.879+/-2.540  $\chi^2/\text{NDF}$ : 521860.2/11

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

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

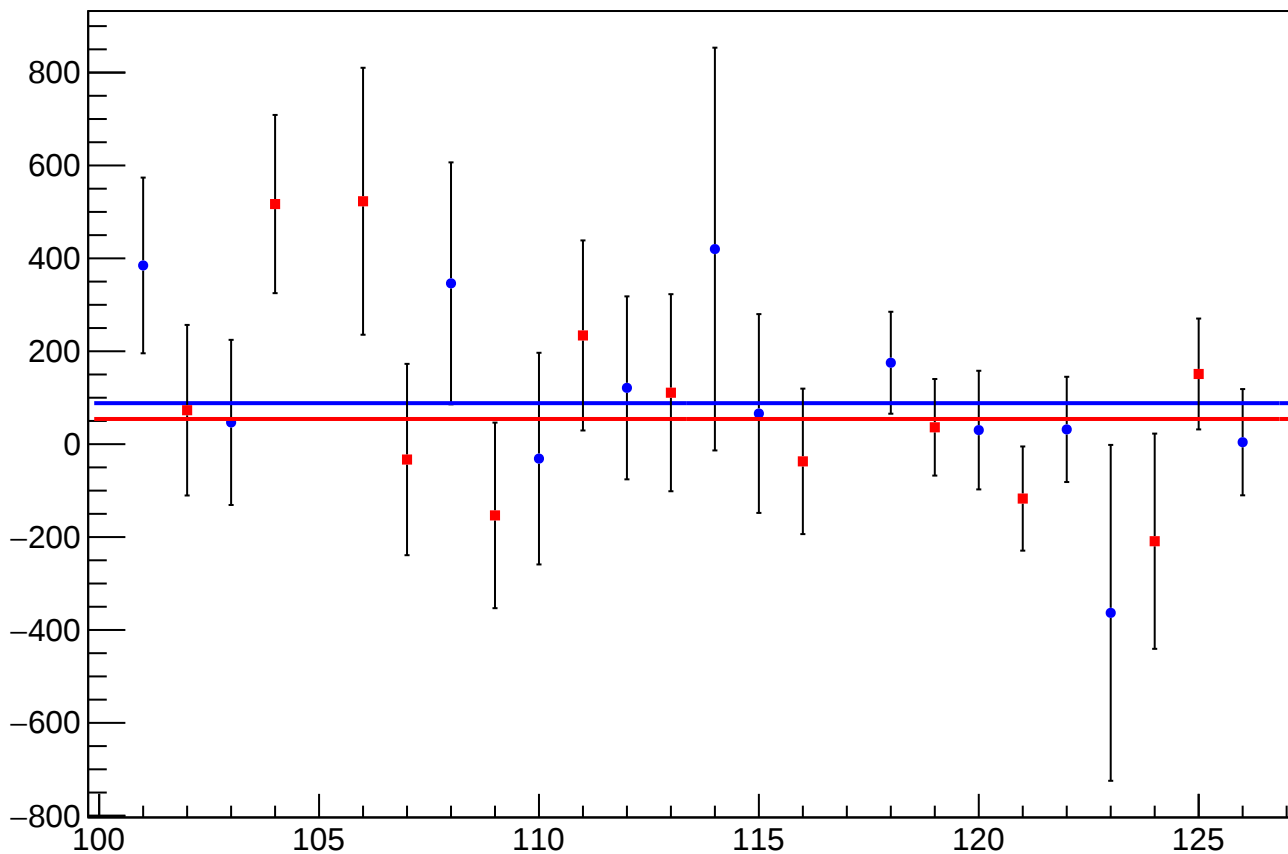
Right: 7663.579+/-1.879  $\chi^2/\text{NDF}$ : 968416.3/23

In: 7938.803+/-2.792  $\chi^2/\text{NDF}$ : 428804.3/11

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

All: 7663.579+/-1.879  $\chi^2/\text{NDF}$ : 968416.3/23

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



Right In: 88.282 $\pm$ 46.988  $\chi^2$ /NDF: 7.6/11

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

Right Out: 54.226 $\pm$ 46.356  $\chi^2$ /NDF: 15.2/11

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

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

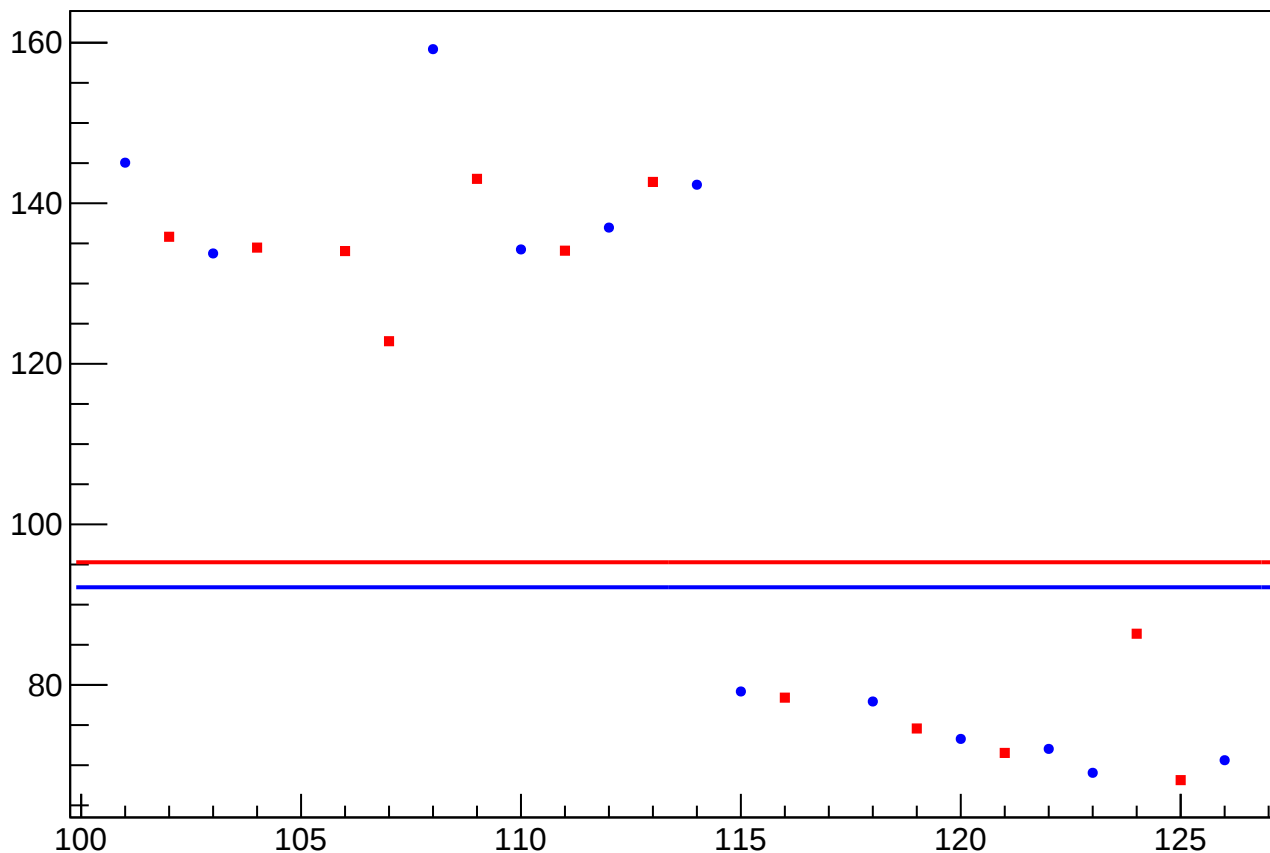
Right: 71.023 $\pm$ 33.000  $\chi^2$ /NDF: 23.1/23

In: 88.282 $\pm$ 46.988  $\chi^2$ /NDF:7.6/11

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

All: 71.023 $\pm$ 33.000  $\chi^2$ /NDF: 23.1/23

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



Right In: 92.166+/-0.033  $\chi^2/\text{NDF}$ : 823913.6/11

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

Right Out: 95.281+/-0.033  $\chi^2/\text{NDF}$ : 837893.9/11

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

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

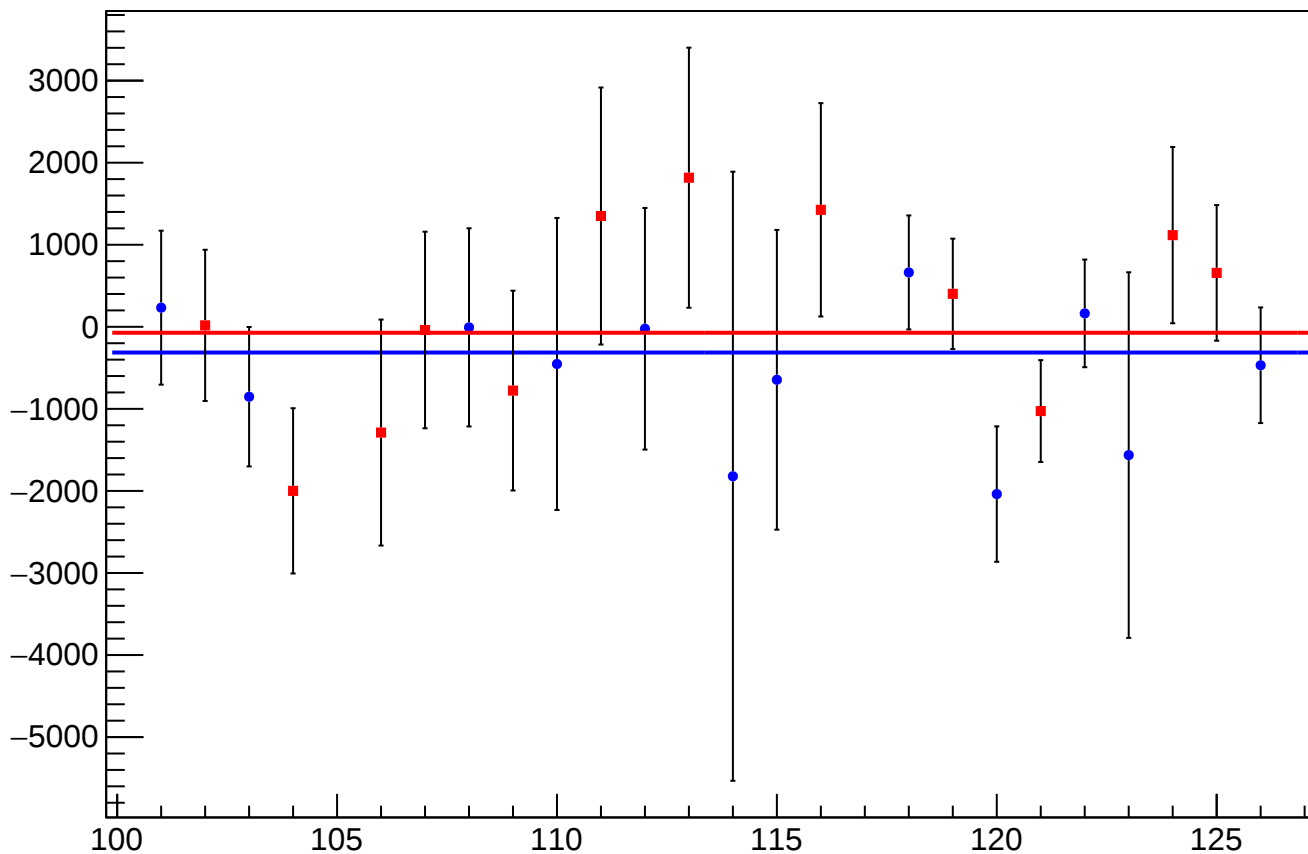
Right: 93.744+/-0.023  $\chi^2/\text{NDF}$ : 1666262.2/23

In: 92.166+/-0.033  $\chi^2/\text{NDF}$ : 823913.6/11

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

All: 93.744+/-0.023  $\chi^2/\text{NDF}$ : 1666262.2/23

asym\_sam1\_correction\_mean vs Slug, Sign Corrected



Right In: -313.434+/-283.547  $\chi^2/\text{NDF}$ : 8.3/11

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

Right Out: -72.341+/-281.723  $\chi^2/\text{NDF}$ : 13.2/11

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

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

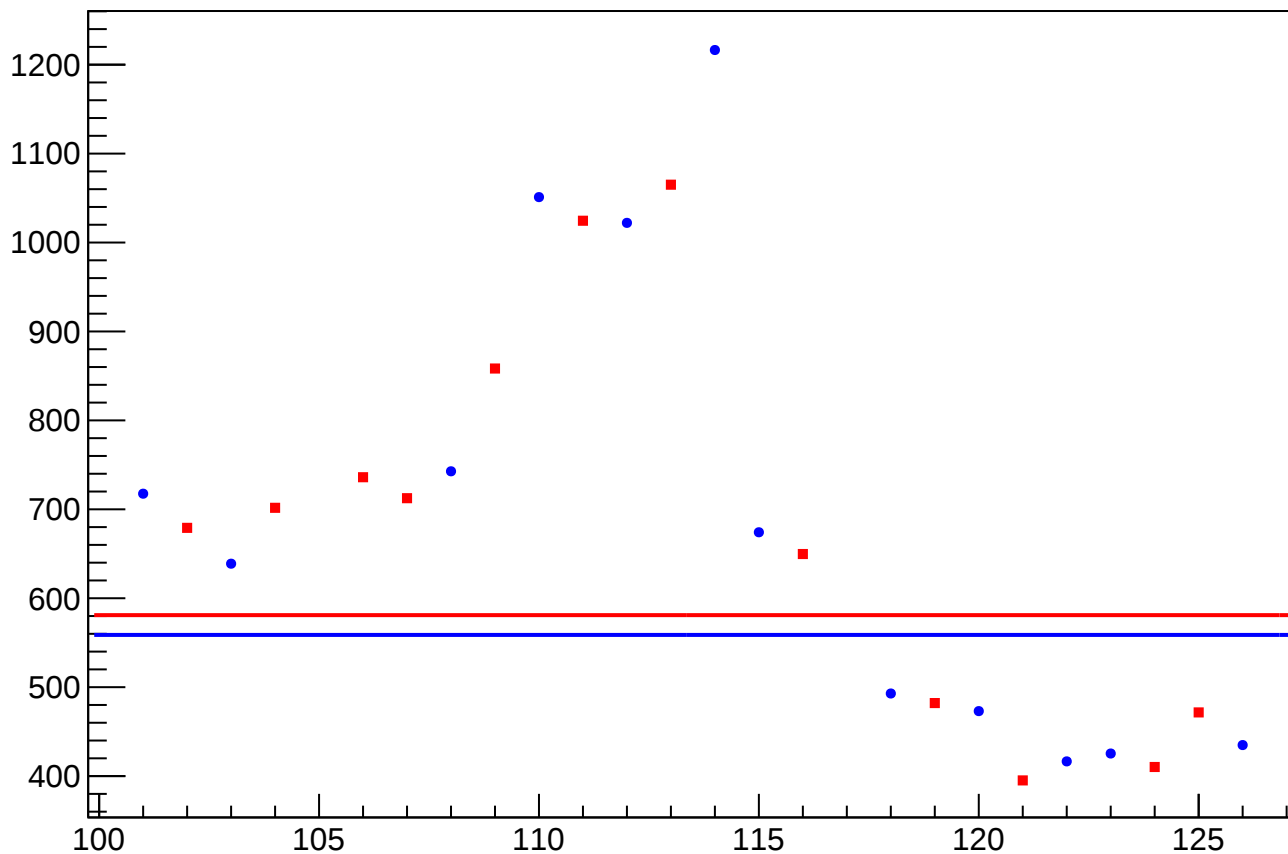
Right: -192.109+/-199.850  $\chi^2/\text{NDF}$ : 21.9/23

In: -313.434+/-283.547  $\chi^2/\text{NDF}$ : 8.3/11

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

All: -192.109+/-199.850  $\chi^2/\text{NDF}$ : 21.9/23

# asym\_sam1\_correction\_rms vs Slug, Sign Corrected



Right In: 558.764+/-0.200  $\chi^2/\text{NDF}$ : 745958.0/11

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

Right Out: 581.006+/-0.199  $\chi^2/\text{NDF}$ : 865486.8/11

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

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

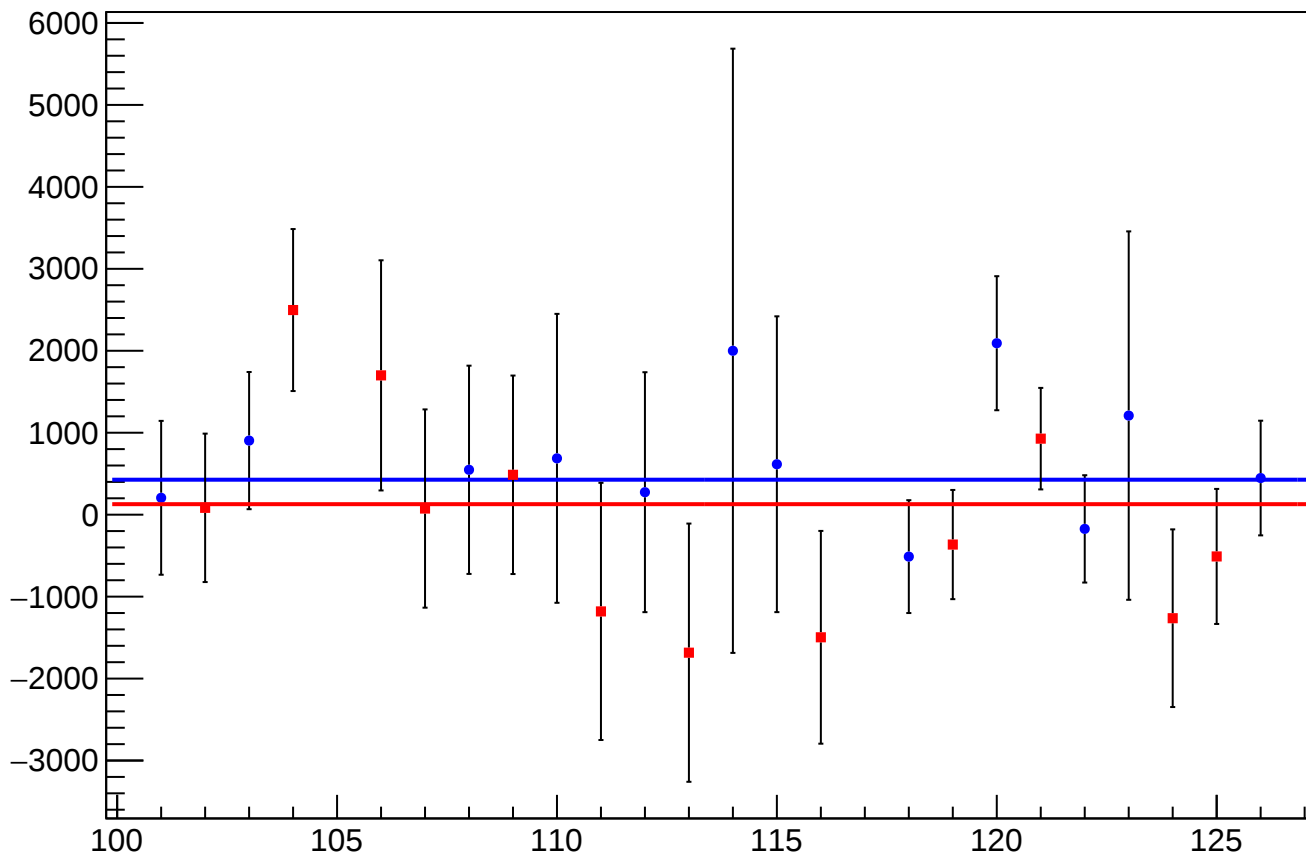
Right: 569.957+/-0.141  $\chi^2/\text{NDF}$ : 1617638.0/23

In: 558.764+/-0.200  $\chi^2/\text{NDF}$ : 745958.0/11

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

All: 569.957+/-0.141  $\chi^2/\text{NDF}$ : 1617638.0/23

# asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 426.740 $\pm$ 282.522  $\chi^2$ /NDF: 7.6/11

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

Right Out: 128.224 $\pm$ 280.589  $\chi^2$ /NDF: 15.1/11

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

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

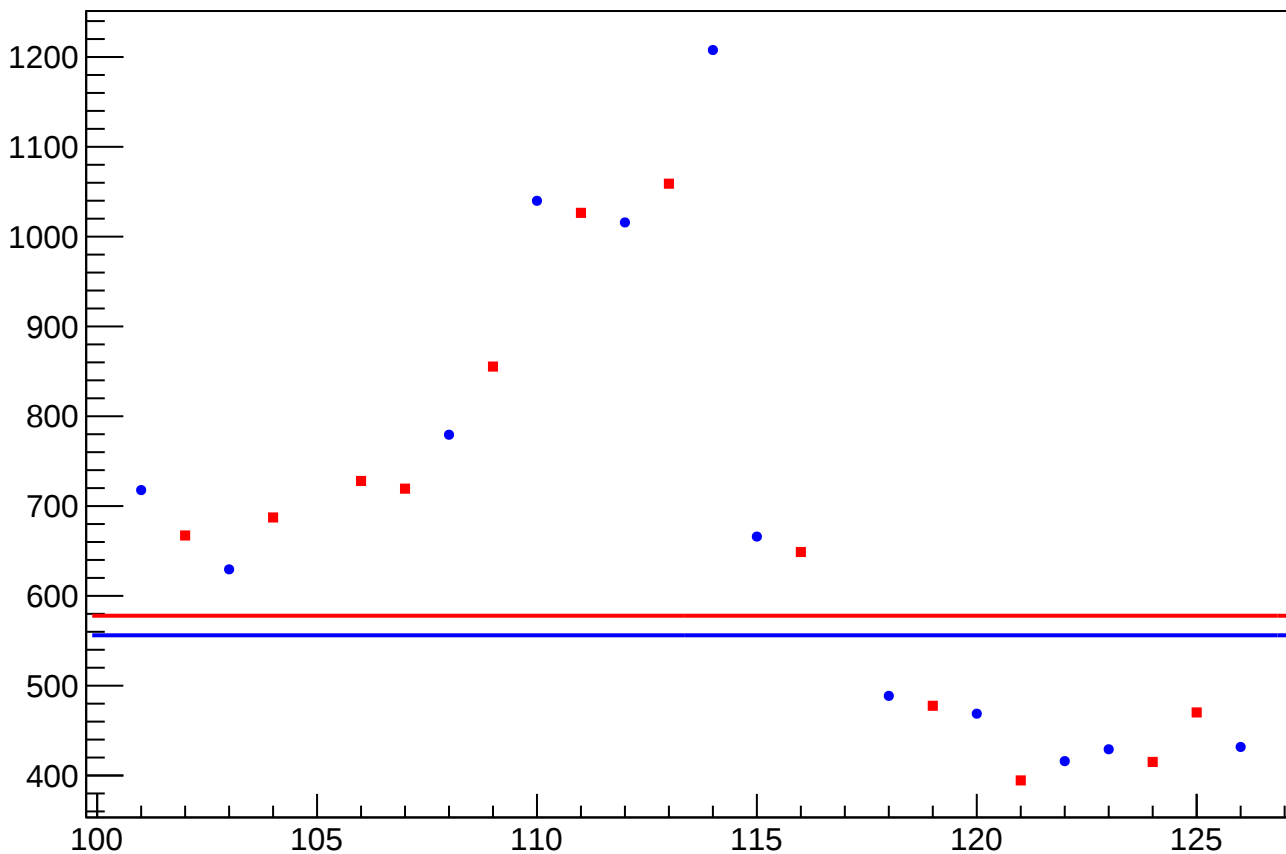
Right: 276.457 $\pm$ 199.086  $\chi^2$ /NDF: 23.3/23

In: 426.740 $\pm$ 282.522  $\chi^2$ /NDF:7.6/11

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

All: 276.457 $\pm$ 199.086  $\chi^2$ /NDF: 23.3/23

# asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 556.104+/-0.200  $\chi^2/\text{NDF}$ : 757394.8/11

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

Right Out: 577.905+/-0.198  $\chi^2/\text{NDF}$ : 854922.0/11

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

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

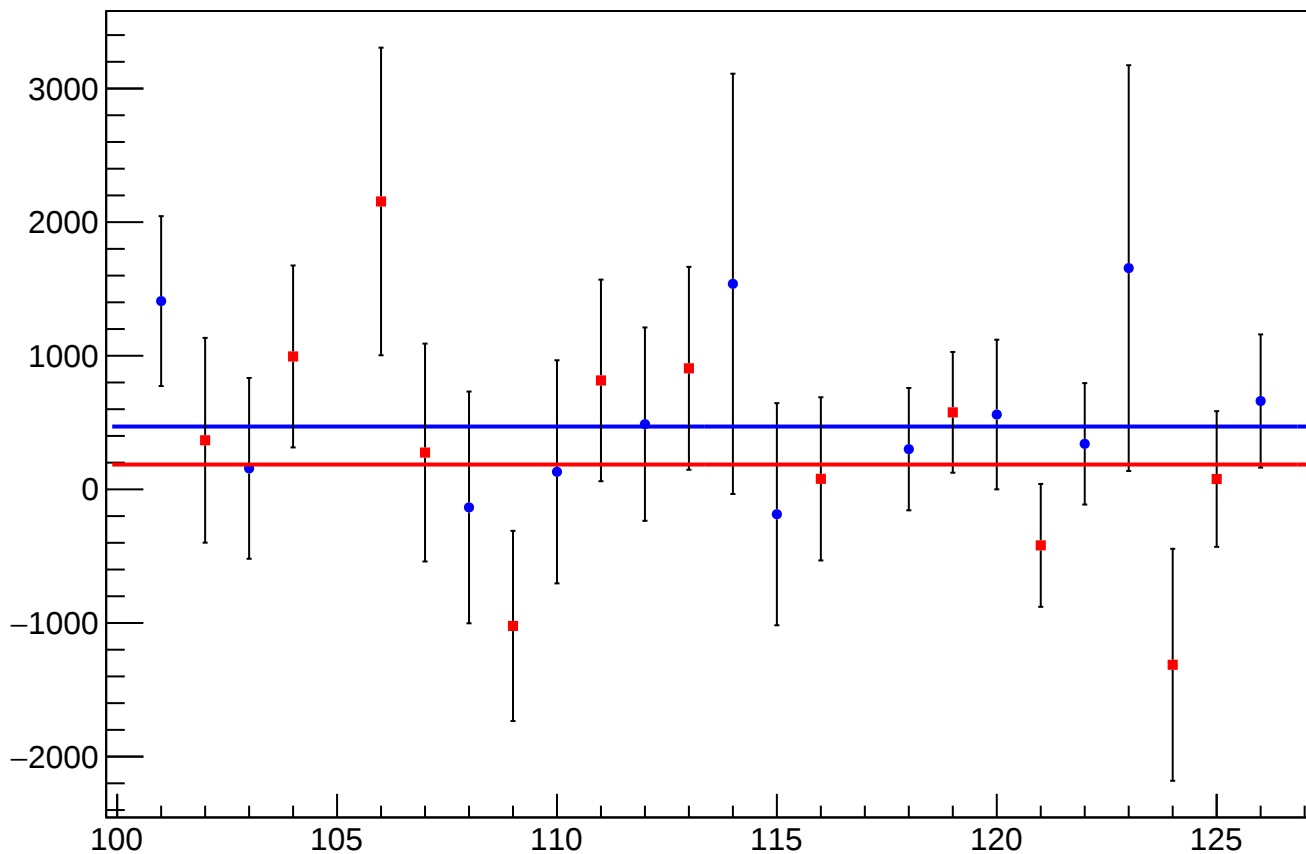
Right: 567.079+/-0.141  $\chi^2/\text{NDF}$ : 1618312.0/23

In: 556.104+/-0.200  $\chi^2/\text{NDF}$ : 757394.8/11

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

All: 567.079+/-0.141  $\chi^2/\text{NDF}$ : 1618312.0/23

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



Right In: 470.243 $\pm$ 187.485  $\chi^2$ /NDF: 5.1/11

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

Right Out: 185.951 $\pm$ 185.391  $\chi^2$ /NDF: 14.4/11

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

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

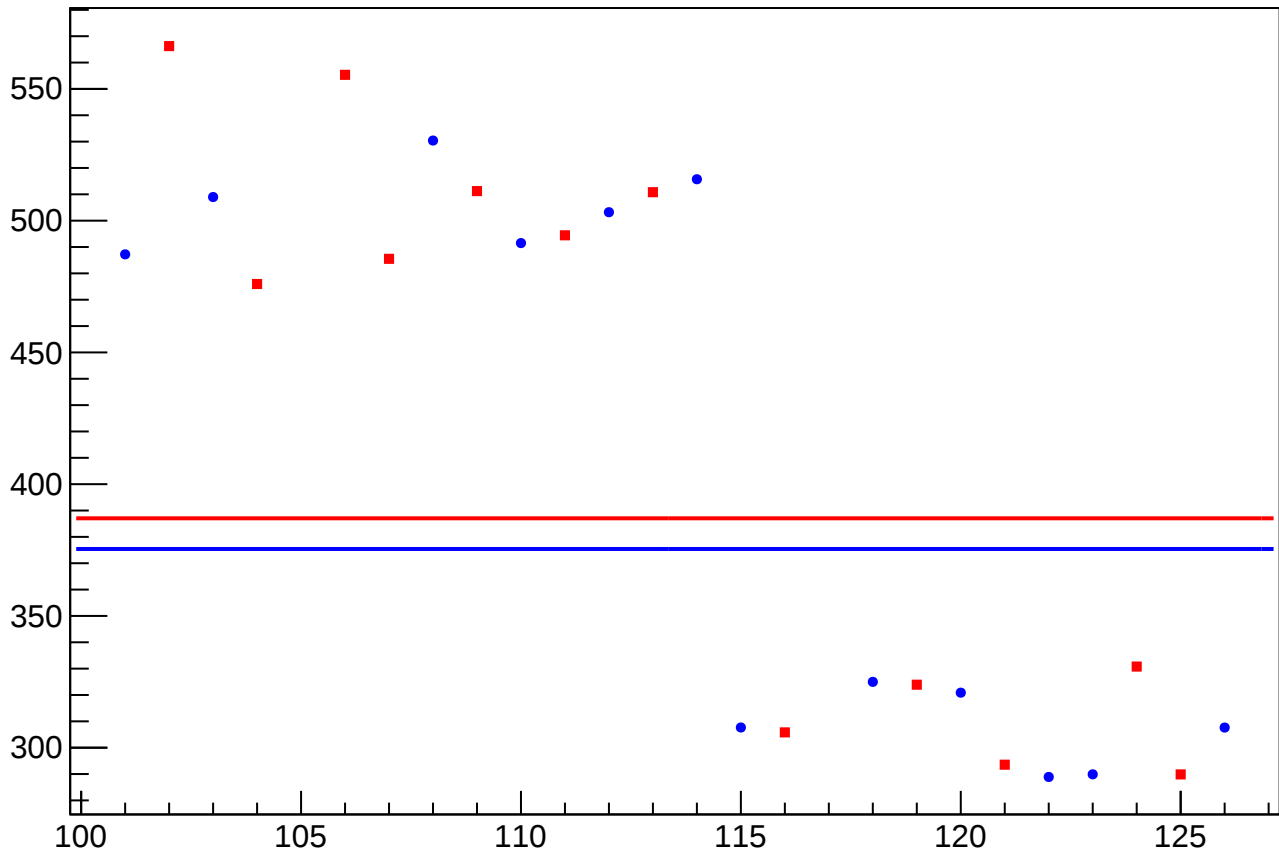
Right: 326.501 $\pm$ 131.825  $\chi^2$ /NDF: 20.7/23

In: 470.243 $\pm$ 187.485  $\chi^2$ /NDF:5.1/11

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

All: 326.501 $\pm$ 131.825  $\chi^2$ /NDF: 20.7/23

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



Right In: 375.406+/-0.133  $\chi^2/\text{NDF}$ : 492981.8/11

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

Right Out: 387.044+/-0.131  $\chi^2/\text{NDF}$ : 608702.8/11

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

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

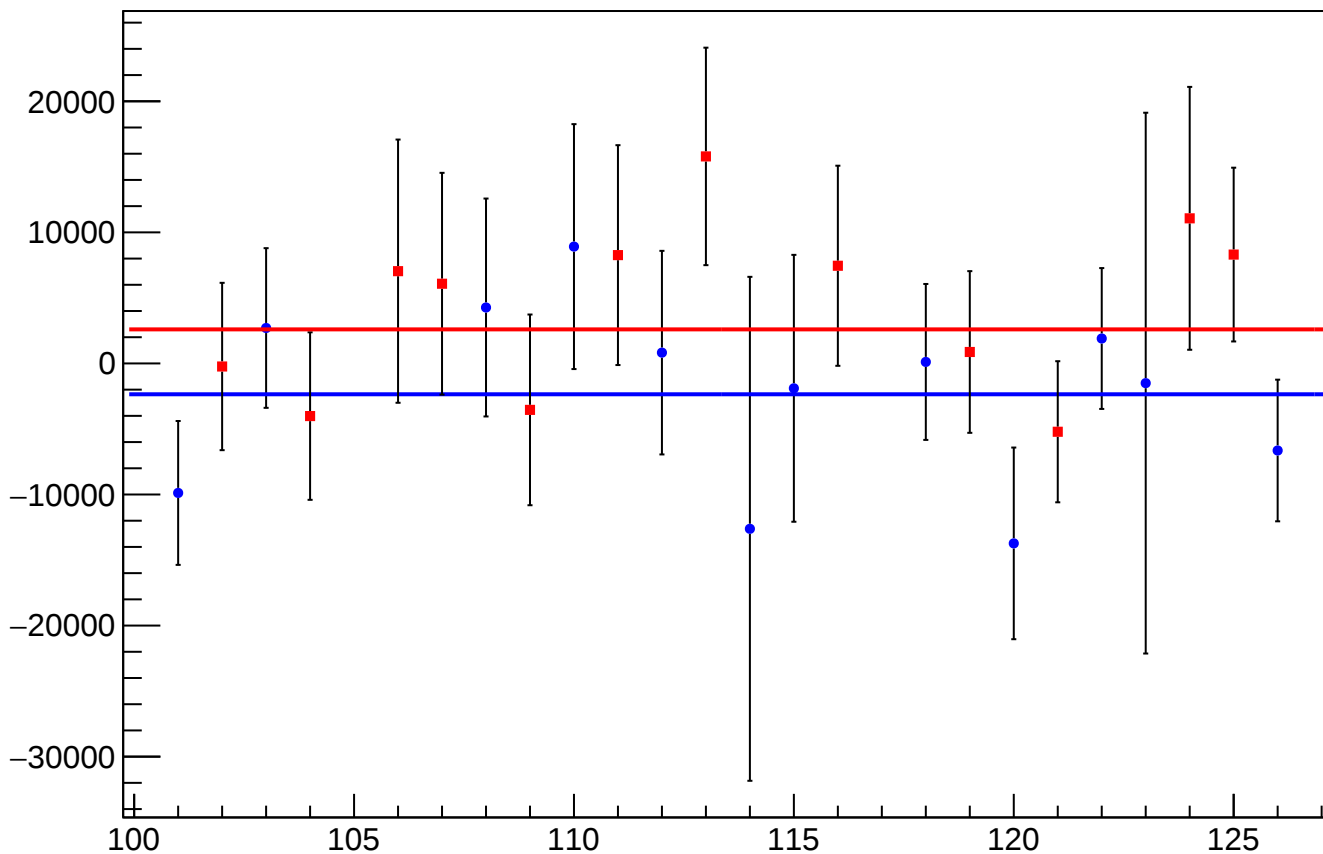
Right: 381.290+/-0.093  $\chi^2/\text{NDF}$ : 1105580.7/23

In: 375.406+/-0.133  $\chi^2/\text{NDF}$ : 492981.8/11

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

All: 381.290+/-0.093  $\chi^2/\text{NDF}$ : 1105580.7/23

asym\_sam2\_correction\_mean vs Slug, Sign Corrected



Right In:  $-2353.592 \pm 2070.739$   $\chi^2/\text{NDF}$ : 9.0/11

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

Right Out:  $2597.953 \pm 2079.640$   $\chi^2/\text{NDF}$ : 9.4/11

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

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

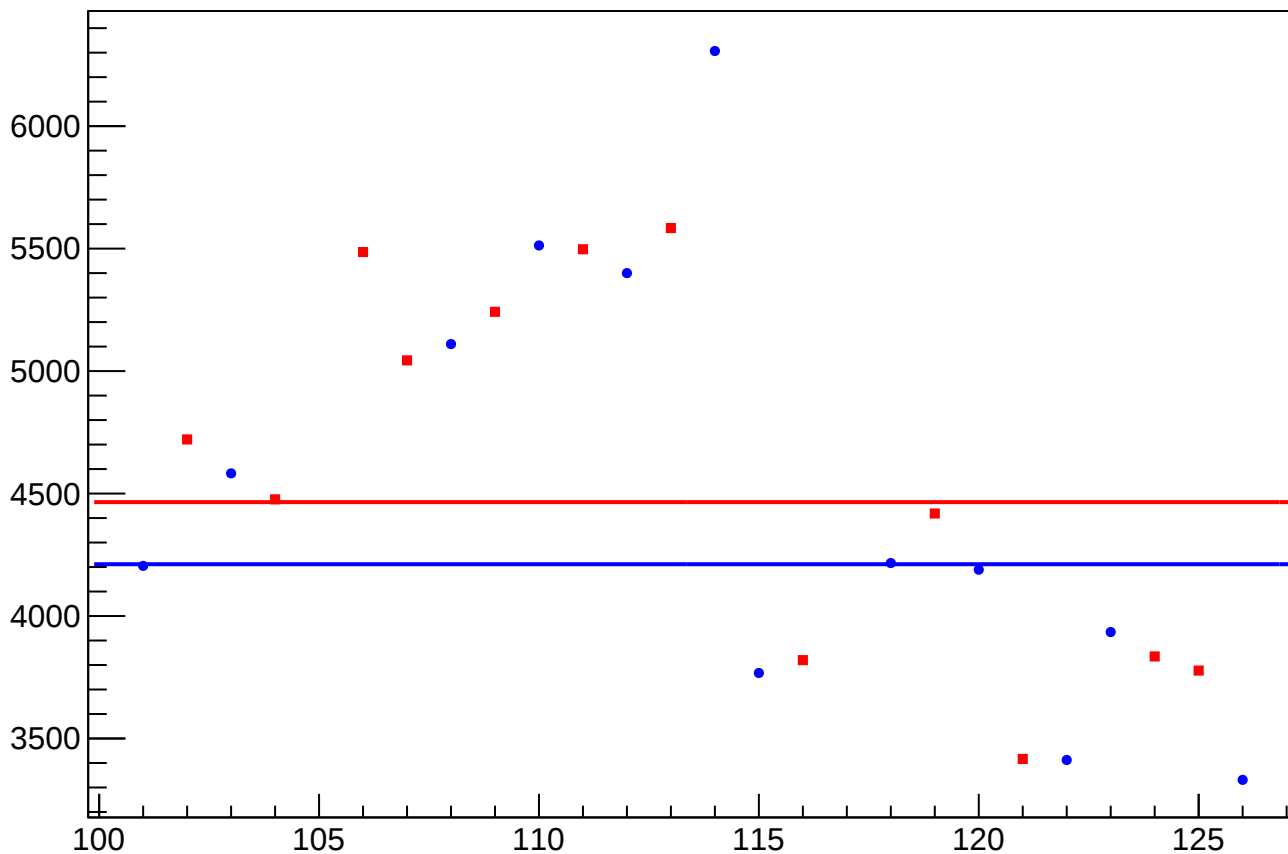
Right:  $111.562 \pm 1467.370$   $\chi^2/\text{NDF}$ : 21.2/23

In:  $-2353.592 \pm 2070.739$   $\chi^2/\text{NDF}$ : 9.0/11

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

All:  $111.562 \pm 1467.370$   $\chi^2/\text{NDF}$ : 21.2/23

# asym\_sam2\_correction\_rms vs Slug, Sign Corrected



Right In: 4211.538+/-1.464  $\chi^2/\text{NDF}$ : 241704.3/11

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

Right Out: 4464.985+/-1.471  $\chi^2/\text{NDF}$ : 242449.3/11

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

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

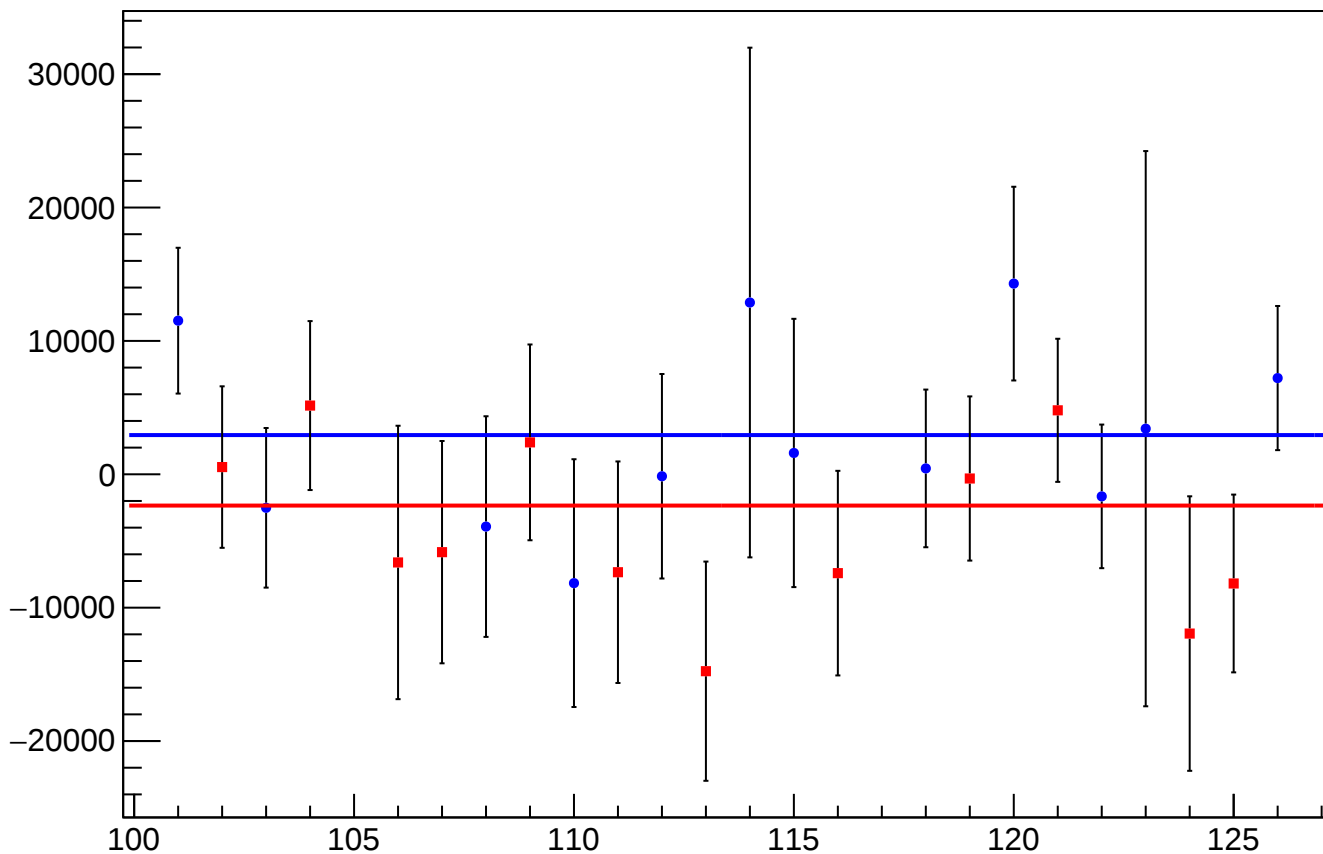
Right: 4337.718+/-1.038  $\chi^2/\text{NDF}$ : 499069.8/23

In: 4211.538+/-1.464  $\chi^2/\text{NDF}$ : 241704.3/11

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

All: 4337.718+/-1.038  $\chi^2/\text{NDF}$ : 499069.8/23

# asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 2940.463+/-2058.912  $\chi^2/\text{NDF}$ : 9.8/11

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

Right Out: -2345.421+/-2066.826  $\chi^2/\text{NDF}$ : 9.0/11

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

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

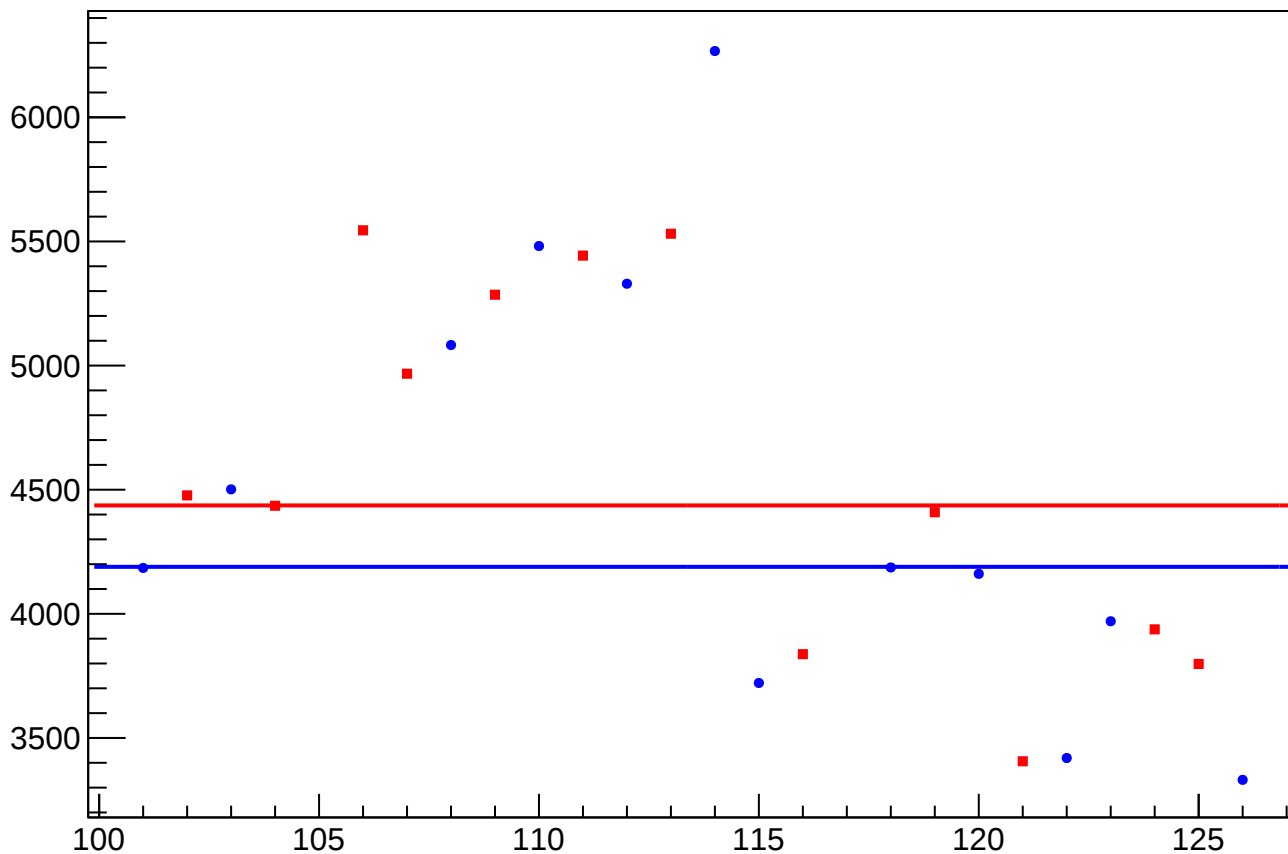
Right: 307.659+/-1458.661  $\chi^2/\text{NDF}$ : 22.1/23

In: 2940.463+/-2058.912  $\chi^2/\text{NDF}$ : 9.8/11

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

All: 307.659+/-1458.661  $\chi^2/\text{NDF}$ : 22.1/23

# asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 4189.358+/-1.456  $\chi^2/\text{NDF}$ : 231316.8/11

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

Right Out: 4436.724+/-1.461  $\chi^2/\text{NDF}$ : 232272.3/11

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

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

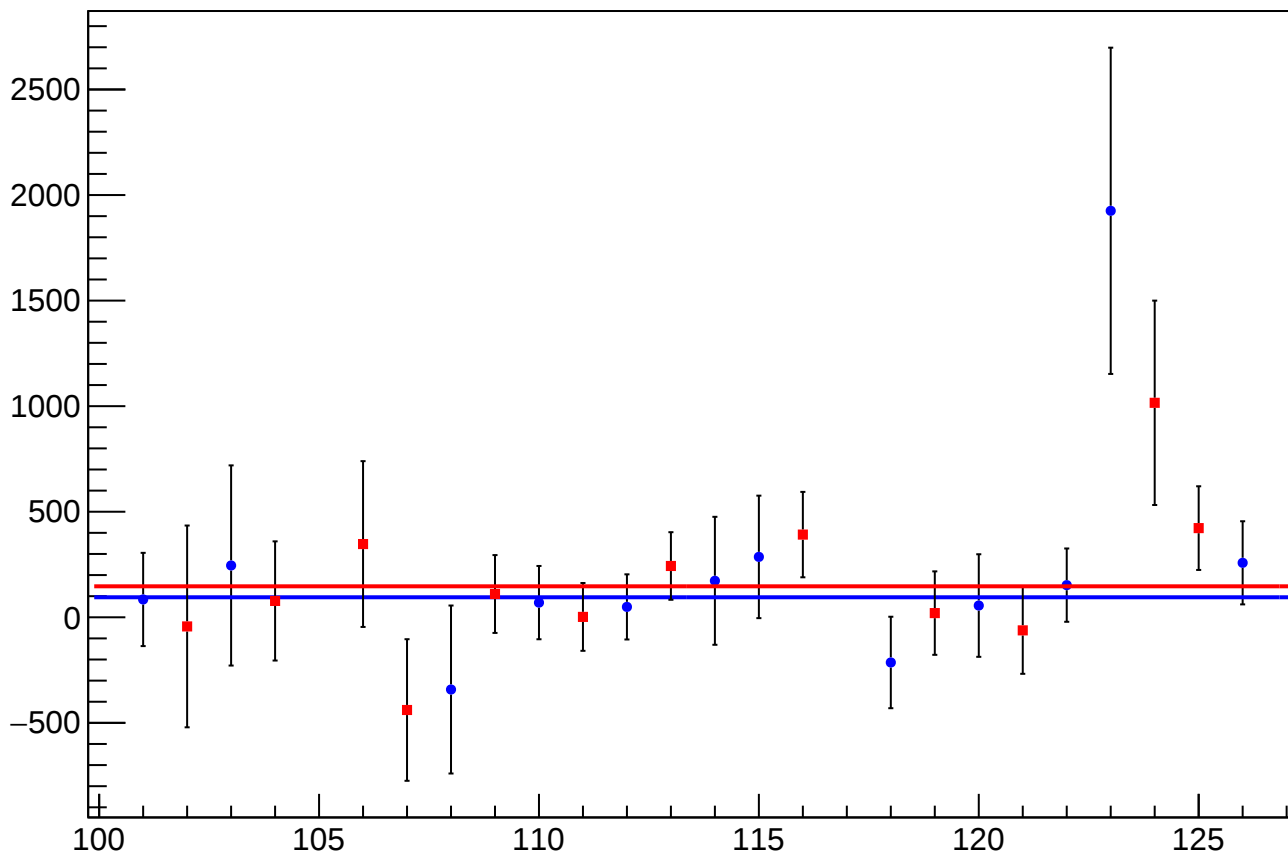
Right: 4312.567+/-1.031  $\chi^2/\text{NDF}$ : 477968.2/23

In: 4189.358+/-1.456  $\chi^2/\text{NDF}$ : 231316.8/11

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

All: 4312.567+/-1.031  $\chi^2/\text{NDF}$ : 477968.2/23

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



Right In: 94.830+/-66.206  $\chi^2/\text{NDF}$ : 10.4/11

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

Right Out: 146.750+/-64.164  $\chi^2/\text{NDF}$ : 12.8/11

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

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

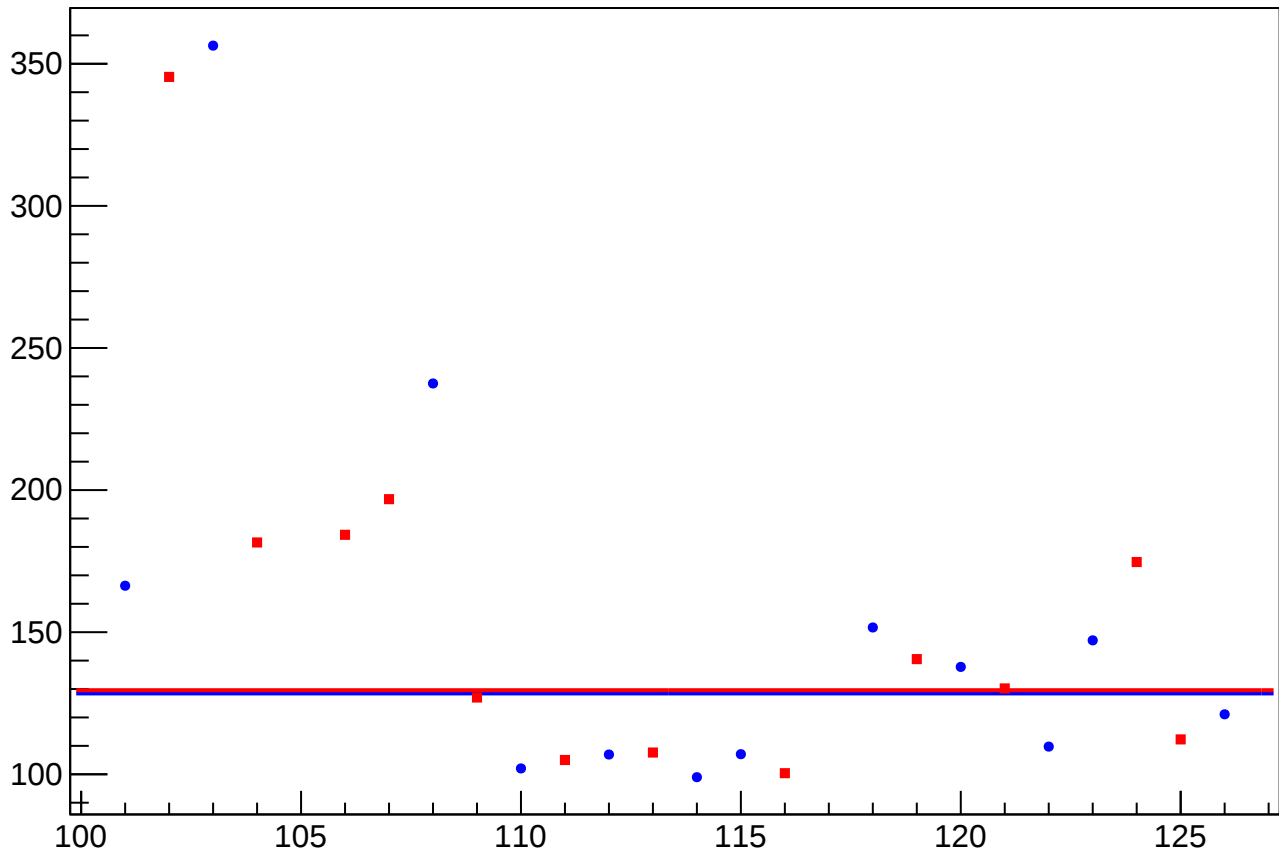
Right: 121.603+/-46.076  $\chi^2/\text{NDF}$ : 23.5/23

In: 94.830+/-66.206  $\chi^2/\text{NDF}$ : 10.4/11

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

All: 121.603+/-46.076  $\chi^2/\text{NDF}$ : 23.5/23

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



Right In: 128.454+/-0.047  $\chi^2/\text{NDF}$ : 839550.0/11

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

Right Out: 129.583+/-0.045  $\chi^2/\text{NDF}$ : 759934.4/11

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

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

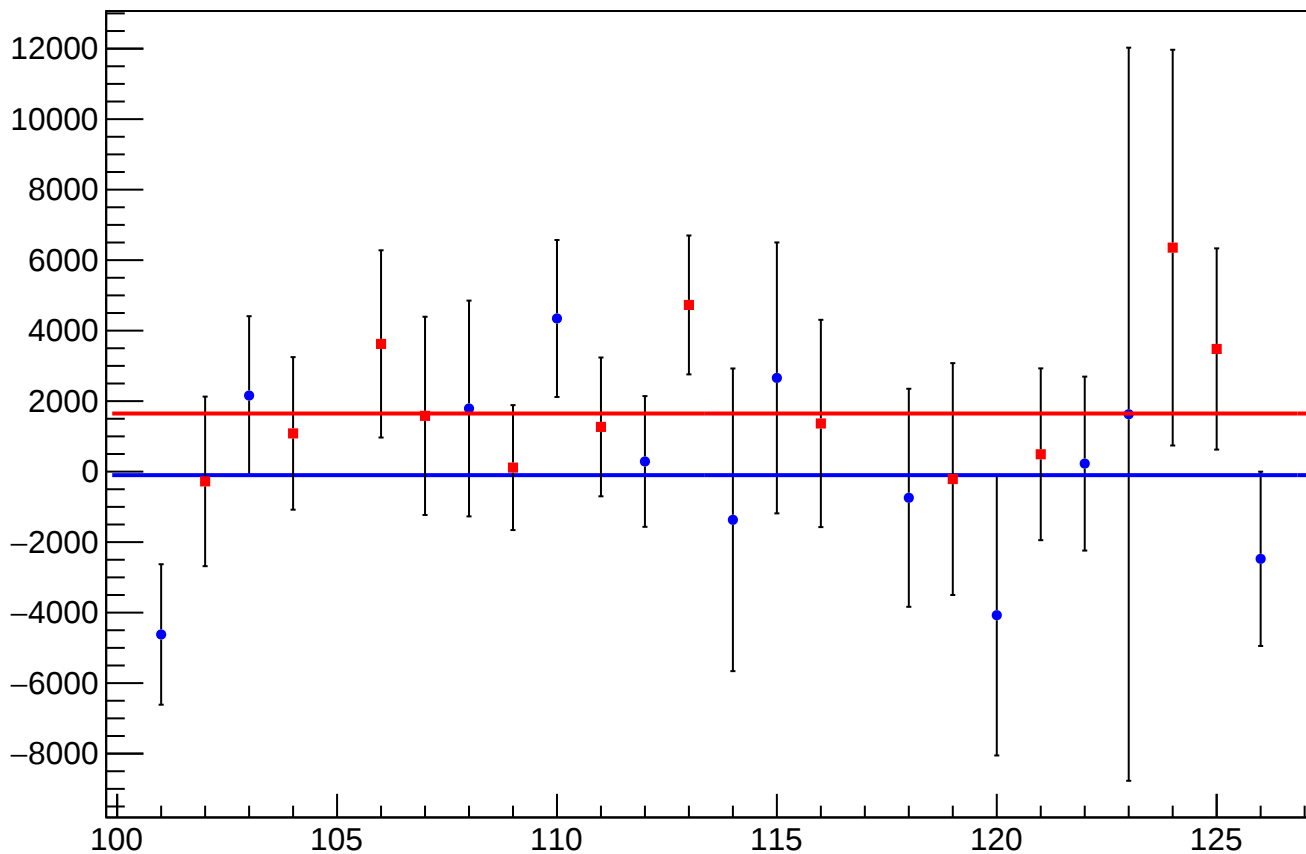
Right: 129.036+/-0.033  $\chi^2/\text{NDF}$ : 1599784.3/23

In: 128.454+/-0.047  $\chi^2/\text{NDF}$ : 839550.0/11

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

All: 129.036+/-0.033  $\chi^2/\text{NDF}$ : 1599784.3/23

asym\_sam3\_correction\_mean vs Slug, Sign Corrected



Right In: -99.813+/-772.652  $\chi^2/\text{NDF}$ : 13.2/11

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

Right Out: 1648.853+/-703.692  $\chi^2/\text{NDF}$ : 6.2/11

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

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

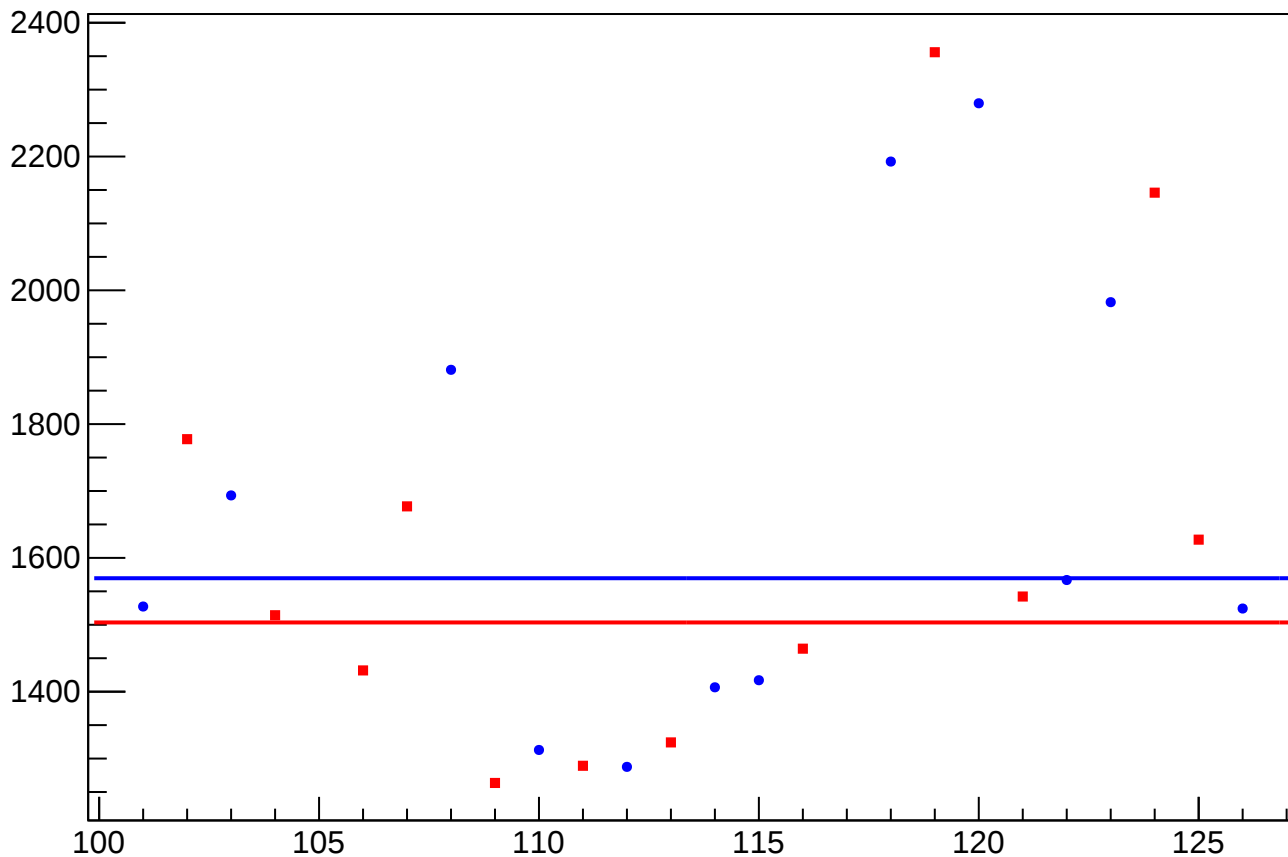
Right: 856.022+/-520.261  $\chi^2/\text{NDF}$ : 22.1/23

In: -99.813+/-772.652  $\chi^2/\text{NDF}$ : 13.2/11

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

All: 856.022+/-520.261  $\chi^2/\text{NDF}$ : 22.1/23

# asym\_sam3\_correction\_rms vs Slug, Sign Corrected



Right In: 1569.592+/-0.546  $\chi^2/\text{NDF}$ : 255103.7/11

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

Right Out: 1503.472+/-0.498  $\chi^2/\text{NDF}$ : 277185.7/11

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

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

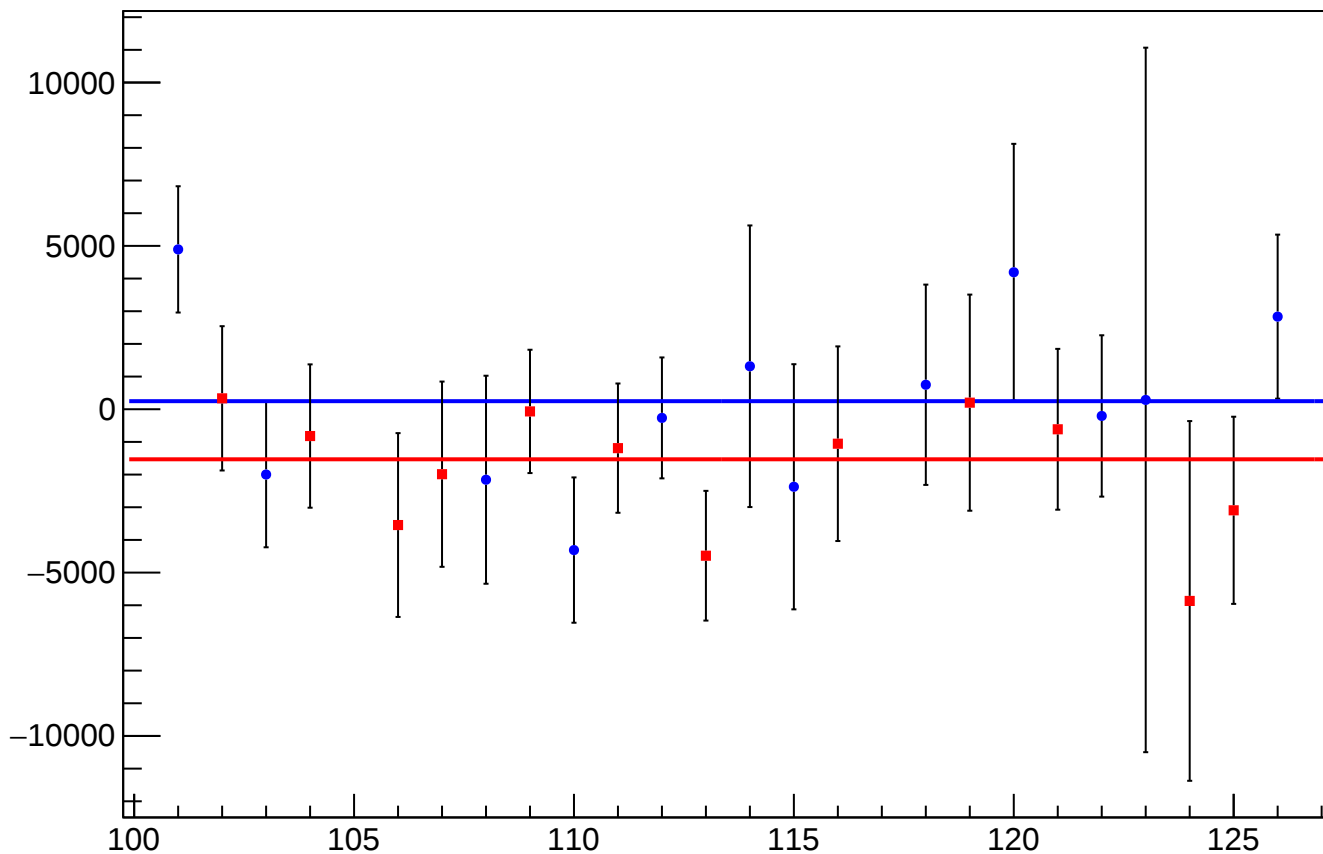
Right: 1533.451+/-0.368  $\chi^2/\text{NDF}$ : 540295.2/23

In: 1569.592+/-0.546  $\chi^2/\text{NDF}$ : 255103.7/11

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

All: 1533.451+/-0.368  $\chi^2/\text{NDF}$ : 540295.2/23

# asym\_sam3\_mean vs Slug, Sign Corrected



Right In: 247.015+/-769.370  $\chi^2/\text{NDF}$ : 14.3/11

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

Right Out: -1532.277+/-711.083  $\chi^2/\text{NDF}$ : 5.6/11

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

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

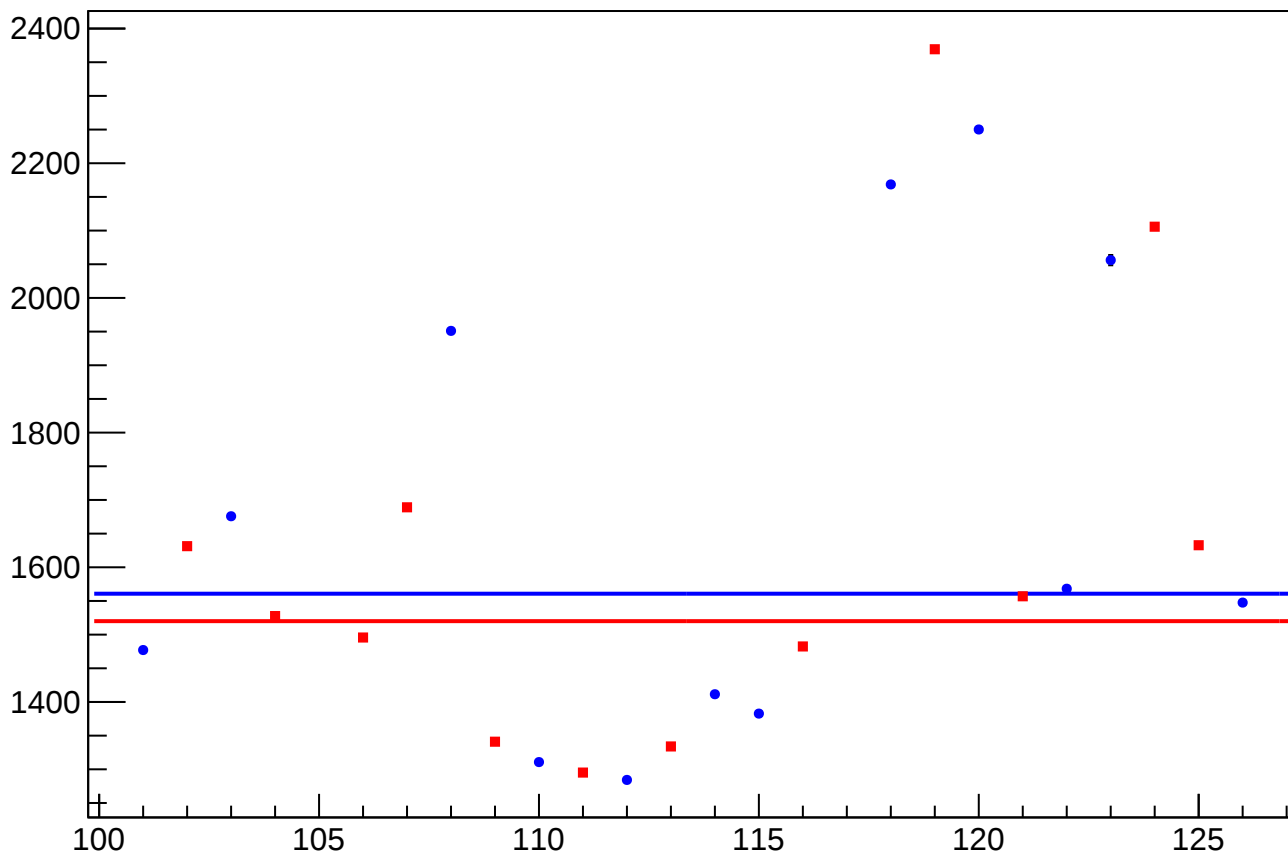
Right: -712.575+/-522.203  $\chi^2/\text{NDF}$ : 22.8/23

In: 247.015+/-769.370  $\chi^2/\text{NDF}$ : 14.3/11

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

All: -712.575+/-522.203  $\chi^2/\text{NDF}$ : 22.8/23

# asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 1560.773+/-0.544  $\chi^2/\text{NDF}$ : 260421.1/11

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

Right Out: 1520.021+/-0.503  $\chi^2/\text{NDF}$ : 232119.9/11

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

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

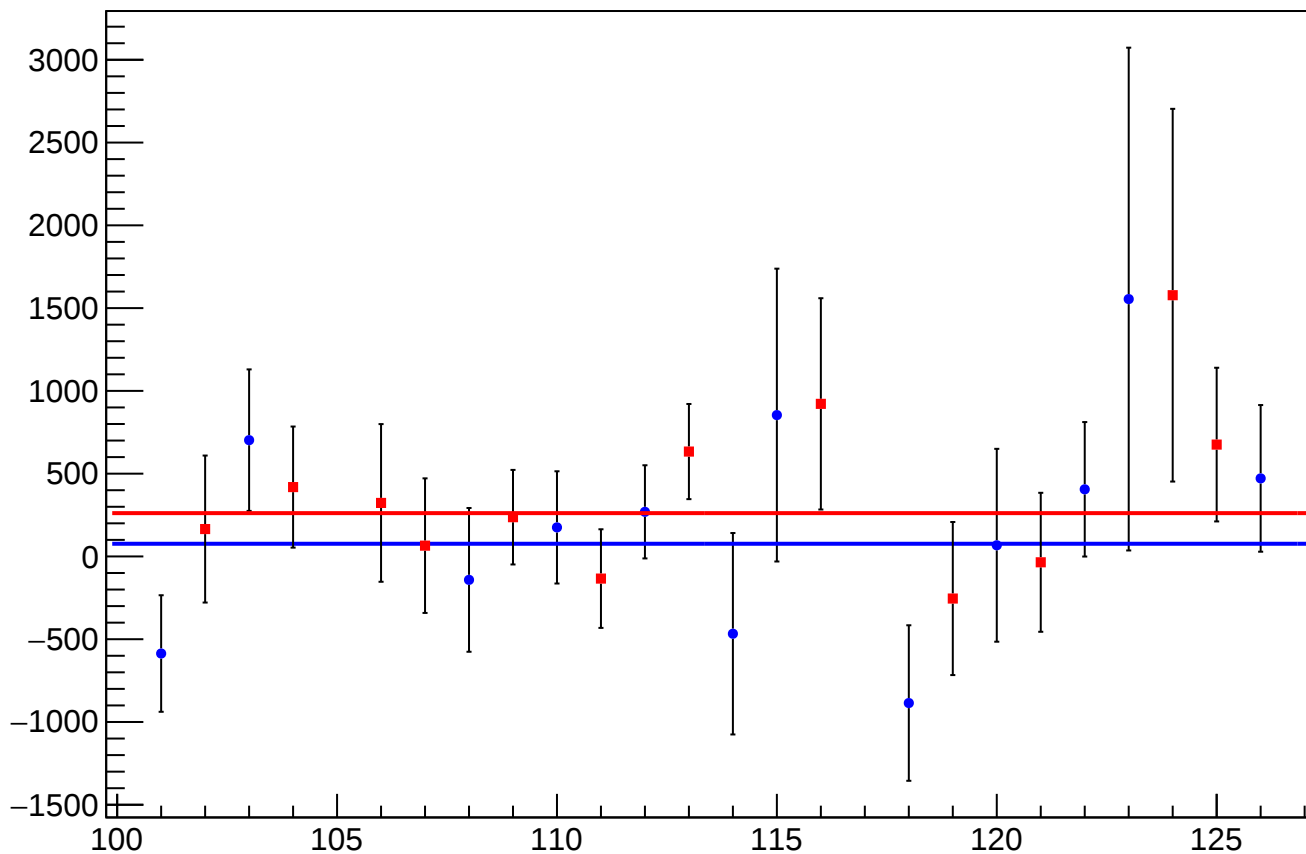
Right: 1538.795+/-0.369  $\chi^2/\text{NDF}$ : 495567.2/23

In: 1560.773+/-0.544  $\chi^2/\text{NDF}$ : 260421.1/11

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

All: 1538.795+/-0.369  $\chi^2/\text{NDF}$ : 495567.2/23

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



Right In: 76.583+/-125.756  $\chi^2/\text{NDF}$ : 14.7/11

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

Right Out: 261.592+/-114.042  $\chi^2/\text{NDF}$ : 8.9/11

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

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

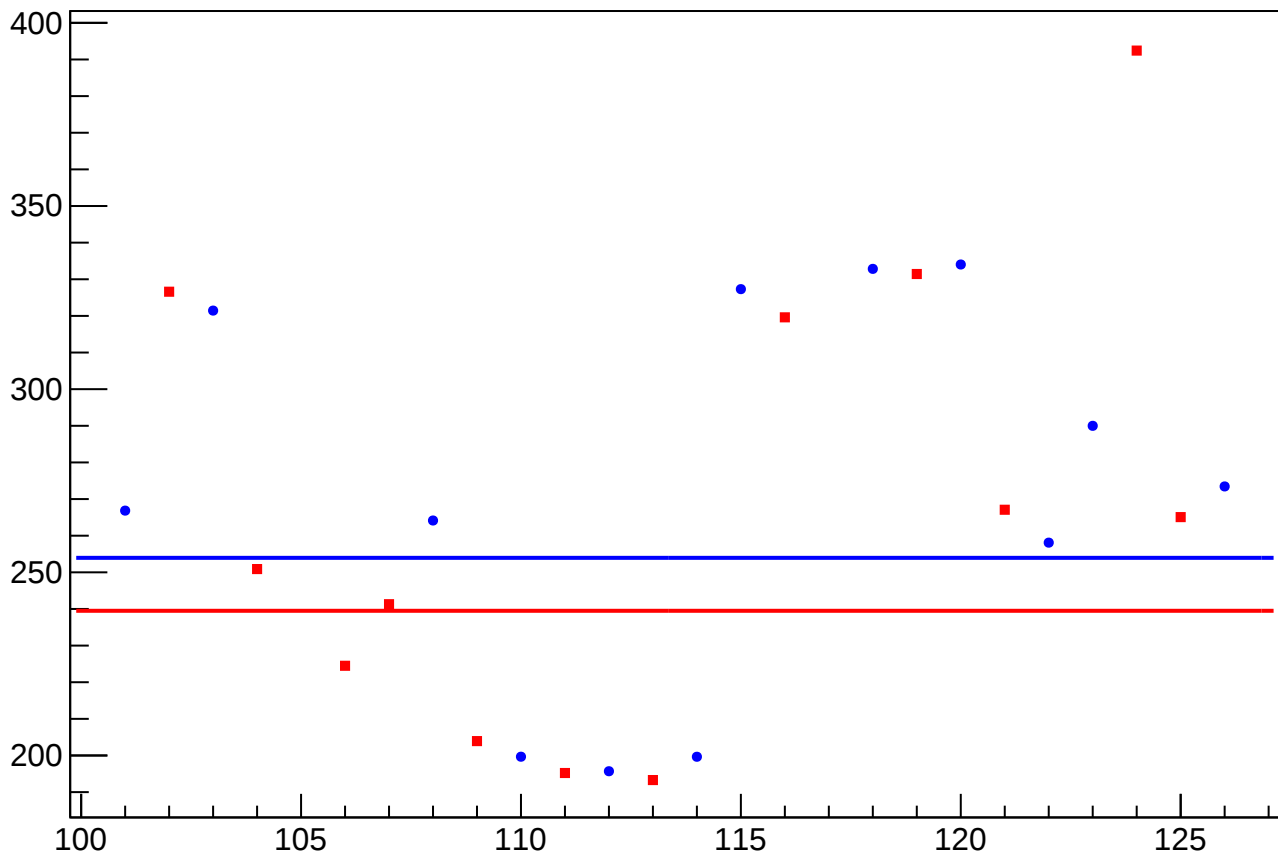
Right: 178.104+/-84.479  $\chi^2/\text{NDF}$ : 24.8/23

In: 76.583+/-125.756  $\chi^2/\text{NDF}$ : 14.7/11

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

All: 178.104+/-84.479  $\chi^2/\text{NDF}$ : 24.8/23

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



Right In: 253.956+/-0.089  $\chi^2/\text{NDF}$ : 319781.7/11

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

Right Out: 239.500+/-0.081  $\chi^2/\text{NDF}$ : 370117.3/11

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

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

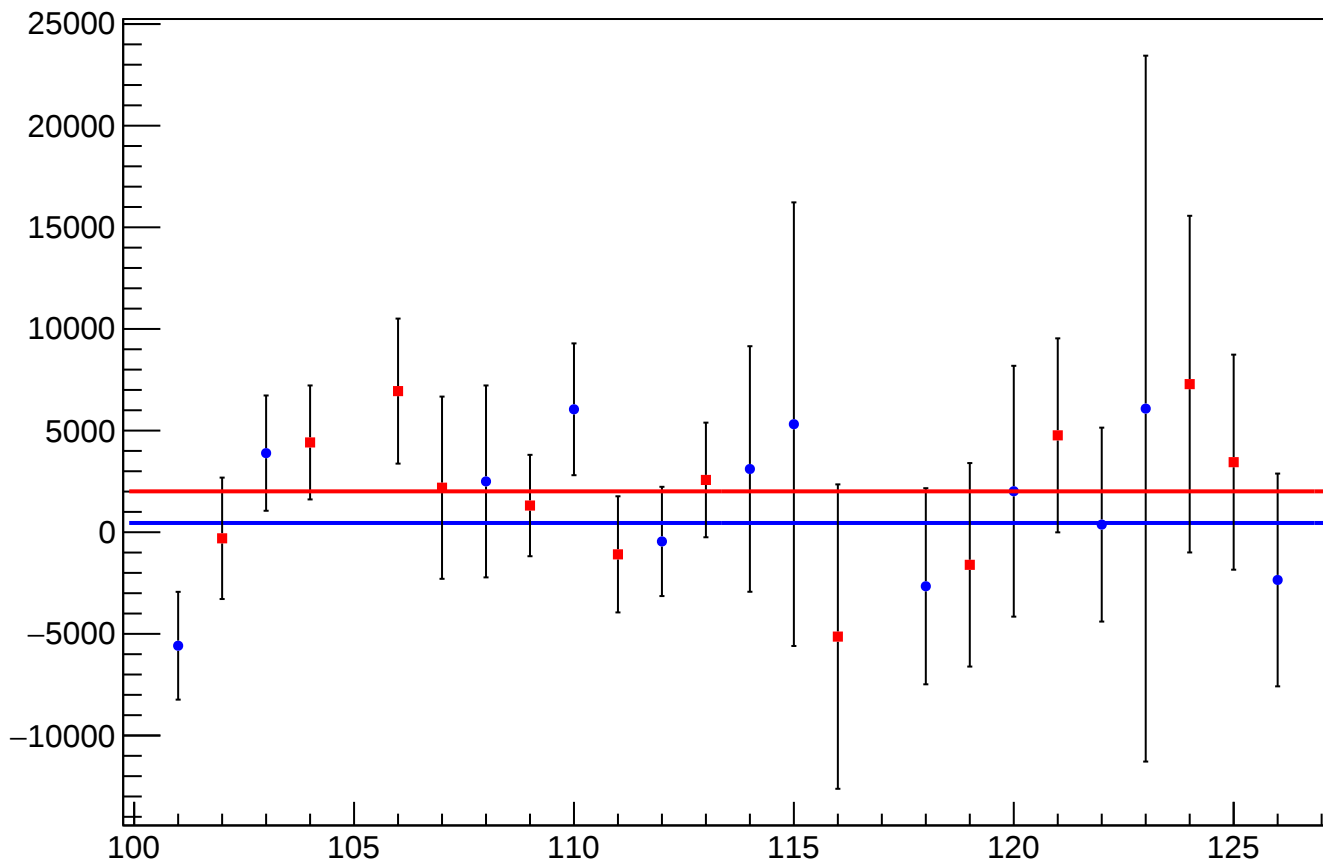
Right: 246.024+/-0.060  $\chi^2/\text{NDF}$ : 704401.0/23

In: 253.956+/-0.089  $\chi^2/\text{NDF}$ : 319781.7/11

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

All: 246.024+/-0.060  $\chi^2/\text{NDF}$ : 704401.0/23

asym\_sam4\_correction\_mean vs Slug, Sign Corrected



Right In: 455.302+/-1167.275  $\chi^2/\text{NDF}$ : 11.2/11

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

Right Out: 2010.687+/-1037.634  $\chi^2/\text{NDF}$ : 6.8/11

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

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

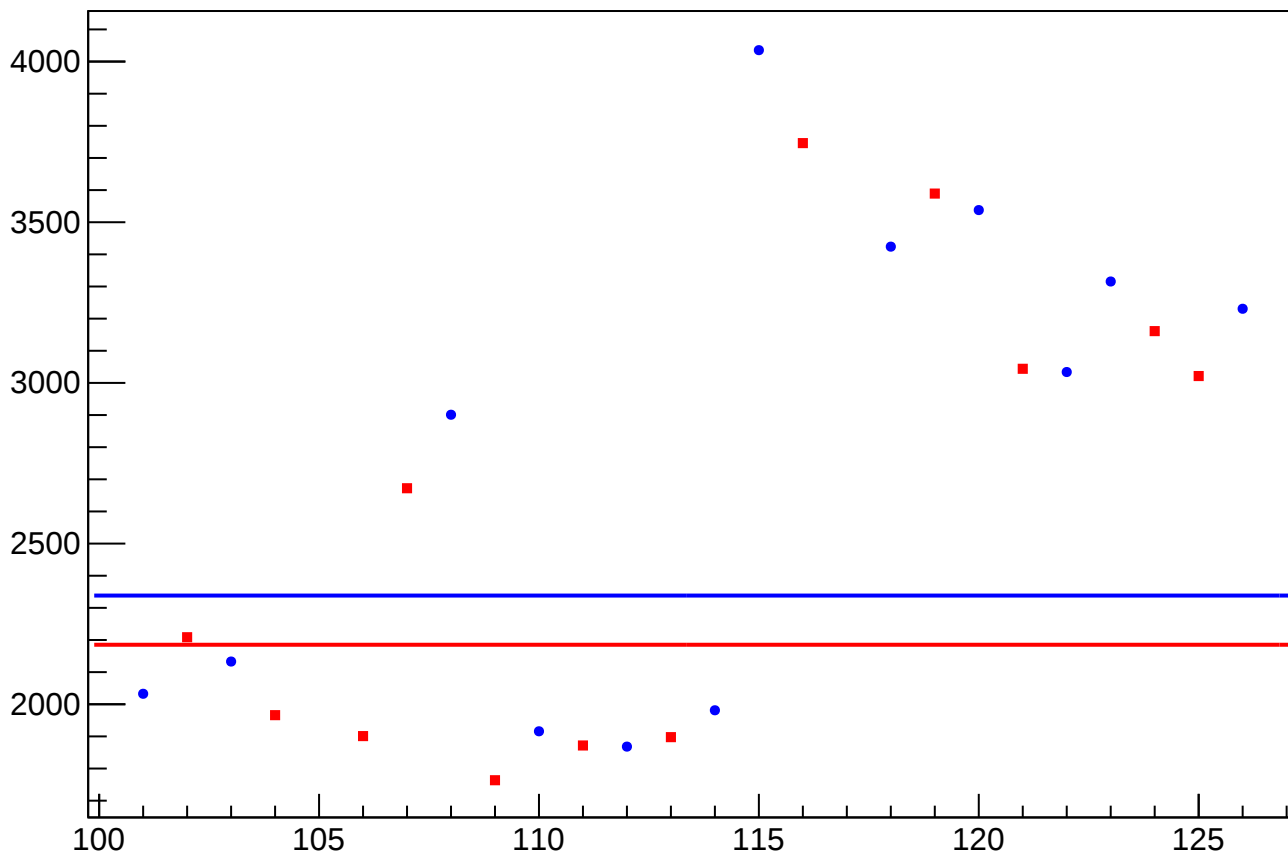
Right: 1324.131+/-775.519  $\chi^2/\text{NDF}$ : 19.0/23

In: 455.302+/-1167.275  $\chi^2/\text{NDF}$ : 11.2/11

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

All: 1324.131+/-775.519  $\chi^2/\text{NDF}$ : 19.0/23

asym\_sam4\_correction\_rms vs Slug, Sign Corrected



Right In: 2338.273+/-0.825  $\chi^2/\text{NDF}$ : 499912.9/11

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

Right Out: 2185.194+/-0.734  $\chi^2/\text{NDF}$ : 537432.7/11

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

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

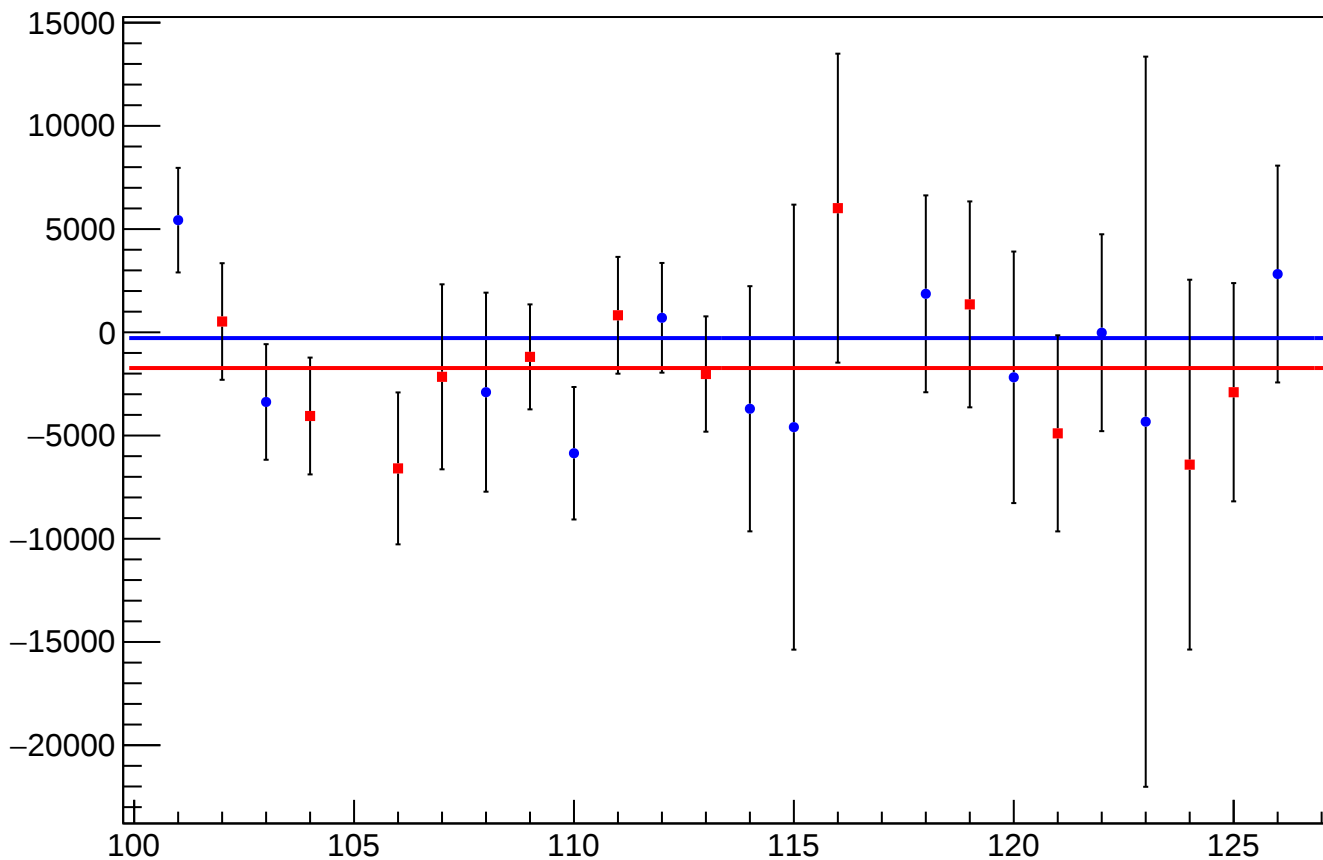
Right: 2252.764+/-0.548  $\chi^2/\text{NDF}$ : 1056559.3/23

In: 2338.273+/-0.825  $\chi^2/\text{NDF}$ : 499912.9/11

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

All: 2252.764+/-0.548  $\chi^2/\text{NDF}$ : 1056559.3/23

# asym\_sam4\_mean vs Slug, Sign Corrected



Right In: -279.401+/-1149.698  $\chi^2/\text{NDF}$ : 11.0/11

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

Right Out: -1730.647+/-1035.586  $\chi^2/\text{NDF}$ : 6.2/11

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

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

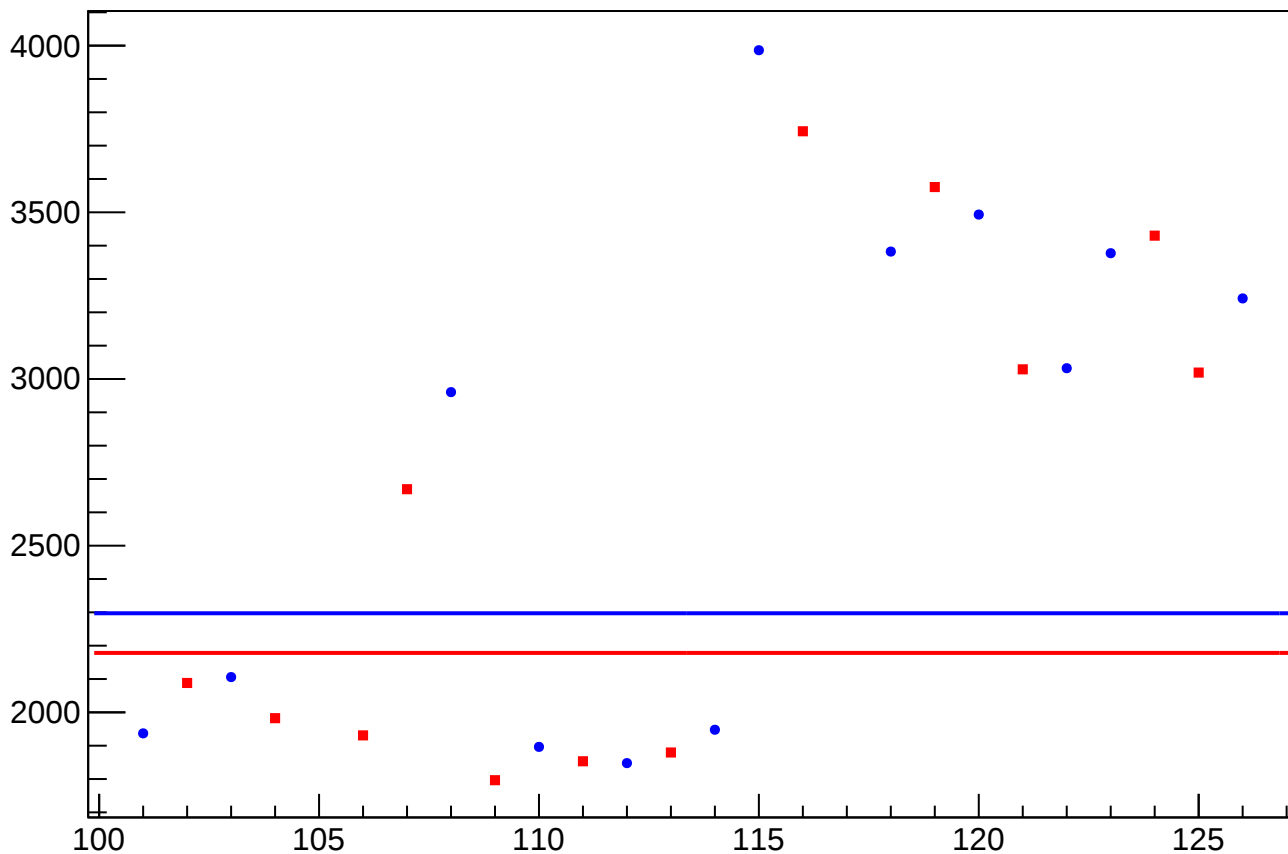
Right: -1080.599+/-769.459  $\chi^2/\text{NDF}$ : 18.0/23

In: -279.401+/-1149.698  $\chi^2/\text{NDF}$ : 11.0/11

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

All: -1080.599+/-769.459  $\chi^2/\text{NDF}$ : 18.0/23

# asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 2297.232+/-0.813  $\chi^2/\text{NDF}$ : 532466.8/11

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

Right Out: 2178.291+/-0.732  $\chi^2/\text{NDF}$ : 537395.5/11

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

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

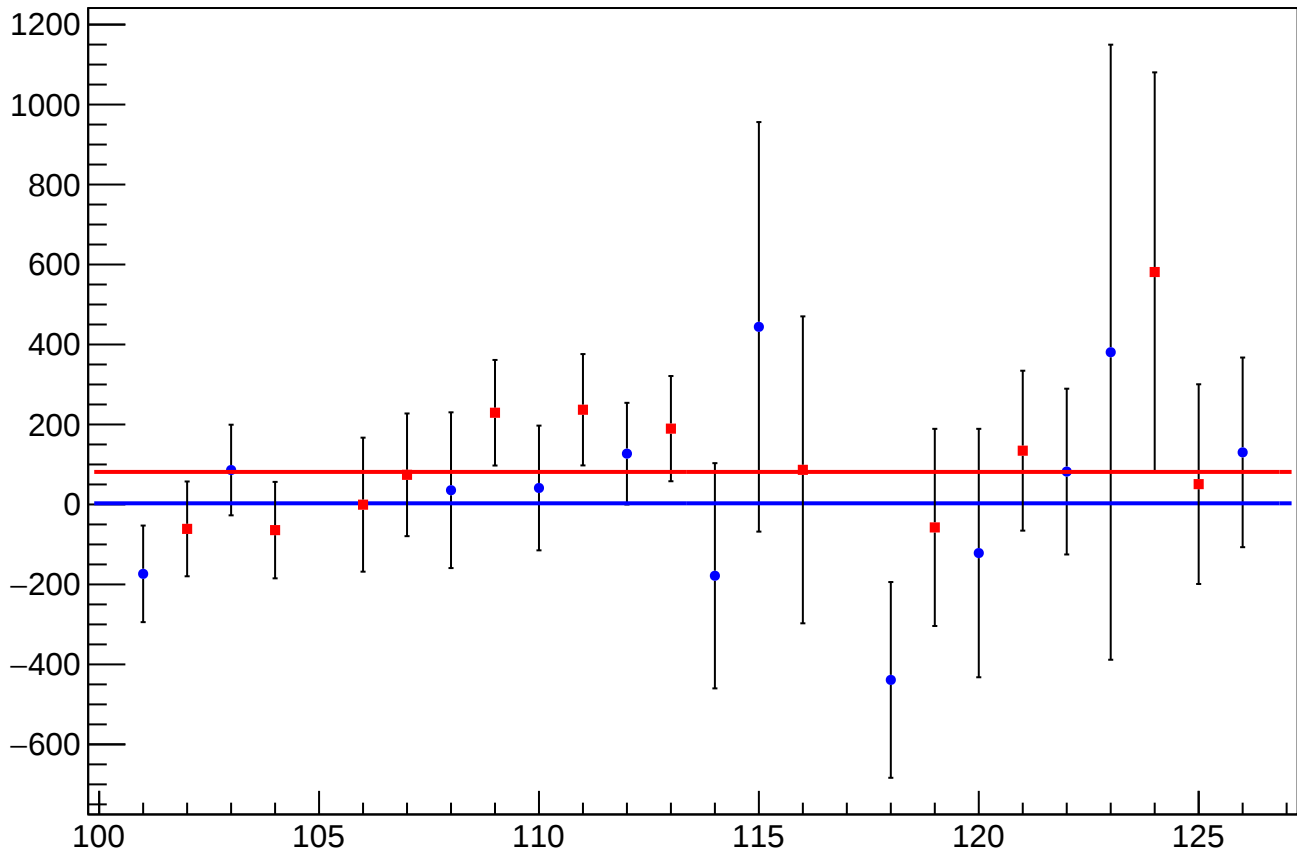
Right: 2231.568+/-0.544  $\chi^2/\text{NDF}$ : 1081679.7/23

In: 2297.232+/-0.813  $\chi^2/\text{NDF}$ : 532466.8/11

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

All: 2231.568+/-0.544  $\chi^2/\text{NDF}$ : 1081679.7/23

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



Right In: 2.861+/-52.553  $\chi^2/\text{NDF}$ : 9.0/11

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

Right Out: 81.344+/-46.978  $\chi^2/\text{NDF}$ : 7.7/11

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

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

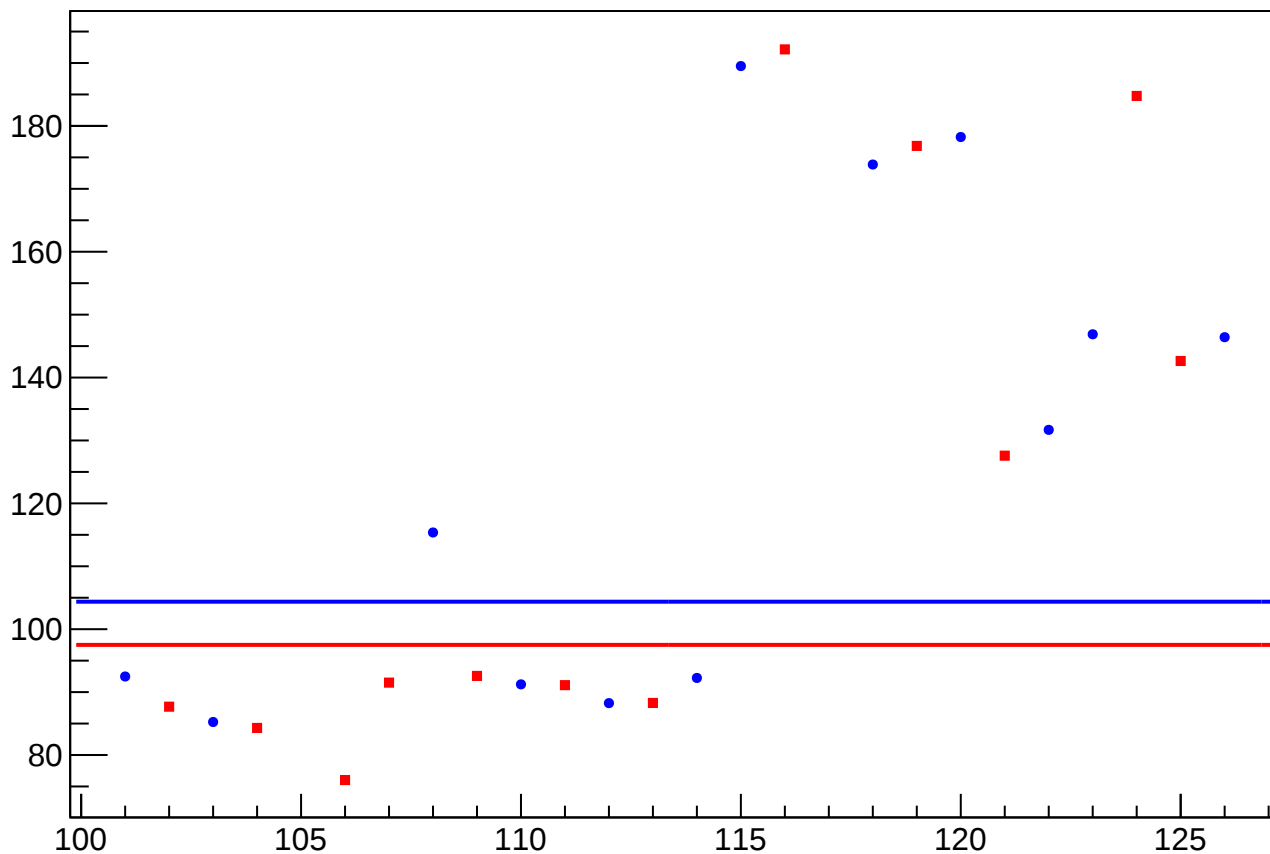
Right: 46.485+/-35.024  $\chi^2/\text{NDF}$ : 17.9/23

In: 2.861+/-52.553  $\chi^2/\text{NDF}$ : 9.0/11

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

All: 46.485+/-35.024  $\chi^2/\text{NDF}$ : 17.9/23

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



Right In: 104.370 $\pm$ 0.037  $\chi^2$ /NDF: 566126.6/11

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

Right Out: 97.506 $\pm$ 0.033  $\chi^2$ /NDF: 590912.2/11

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

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

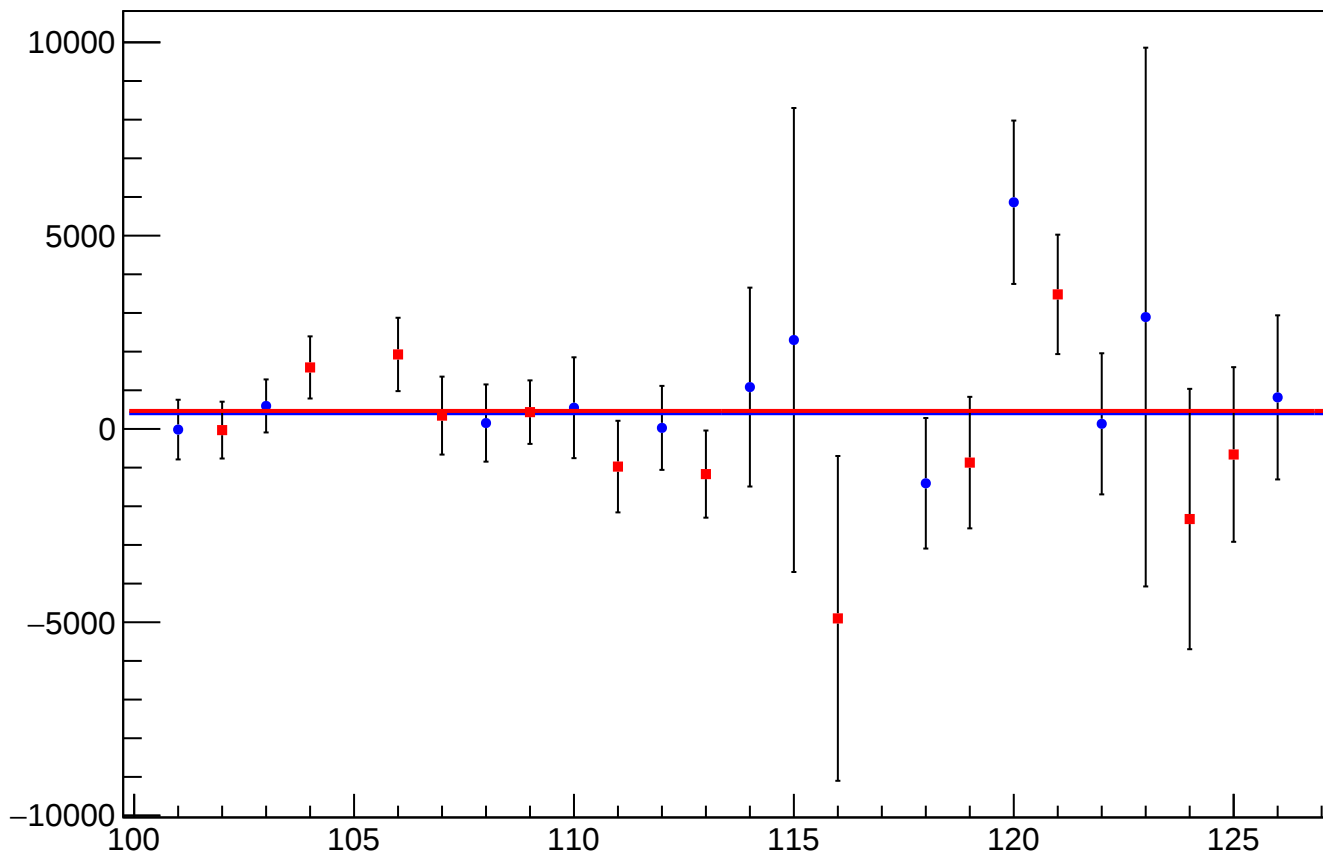
Right: 100.555 $\pm$ 0.025  $\chi^2$ /NDF: 1176003.4/23

In: 104.370 $\pm$ 0.037  $\chi^2$ /NDF:566126.6/11

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

All: 100.555 $\pm$ 0.025  $\chi^2$ /NDF: 1176003.4/23

asym\_sam5\_correction\_mean vs Slug, Sign Corrected



Right In: 406.687 $\pm$ 364.213  $\chi^2$ /NDF: 8.8/11

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

Right Out: 466.014 $\pm$ 323.043  $\chi^2$ /NDF: 15.4/11

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

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

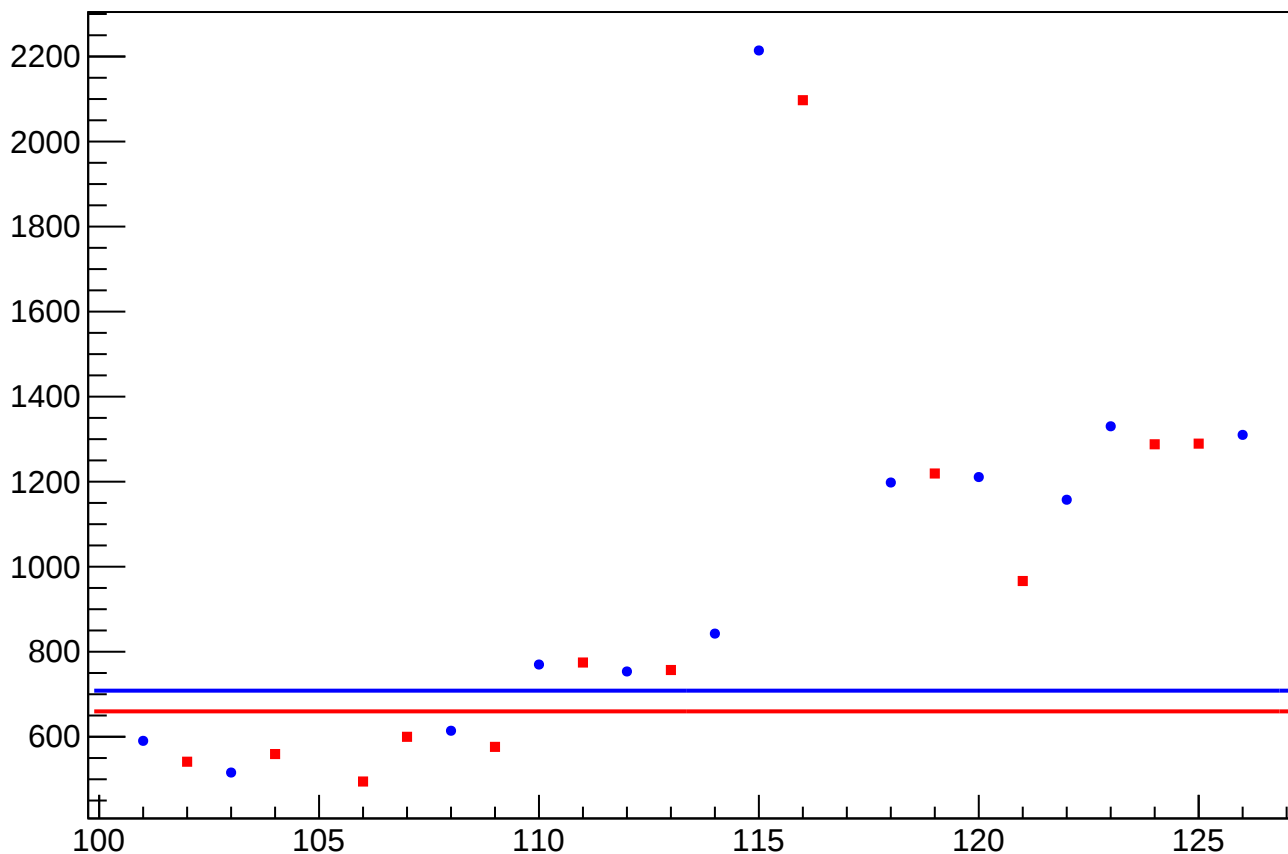
Right: 439.892 $\pm$ 241.677  $\chi^2$ /NDF: 24.1/23

In: 406.687 $\pm$ 364.213  $\chi^2$ /NDF:8.8/11

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

All: 439.892 $\pm$ 241.677  $\chi^2$ /NDF: 24.1/23

asym\_sam5\_correction\_rms vs Slug, Sign Corrected



Right In: 708.431+/-0.258  $\chi^2/\text{NDF}$ : 940469.6/11

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

Right Out: 659.729+/-0.228  $\chi^2/\text{NDF}$ : 959506.8/11

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

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

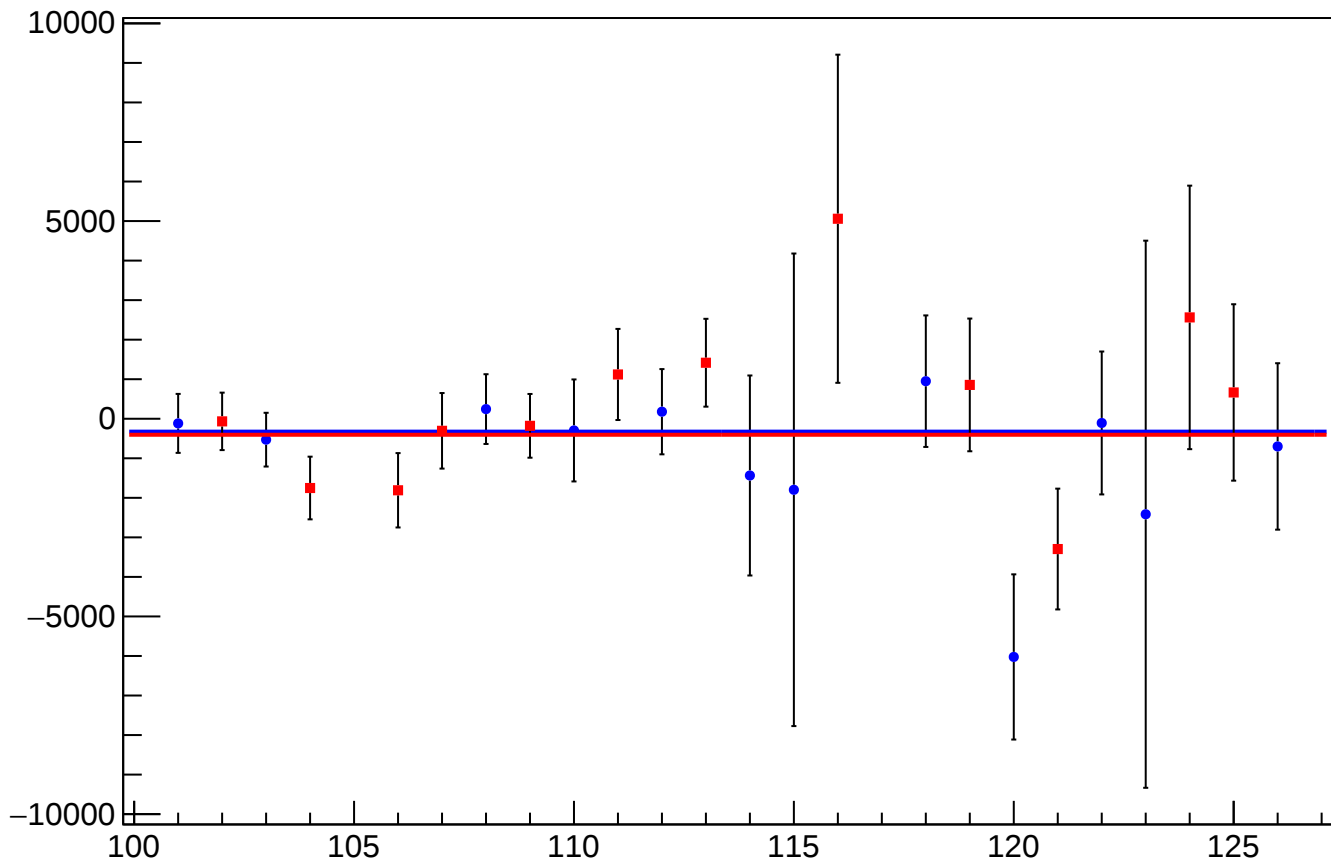
Right: 681.173+/-0.171  $\chi^2/\text{NDF}$ : 1919991.4/23

In: 708.431+/-0.258  $\chi^2/\text{NDF}$ : 940469.6/11

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

All: 681.173+/-0.171  $\chi^2/\text{NDF}$ : 1919991.4/23

# asym\_sam5\_mean vs Slug, Sign Corrected



Right In:  $-325.821 \pm 352.715$   $\chi^2/\text{NDF}$ : 9.2/11

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

Right Out:  $-404.776 \pm 317.067$   $\chi^2/\text{NDF}$ : 16.8/11

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

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

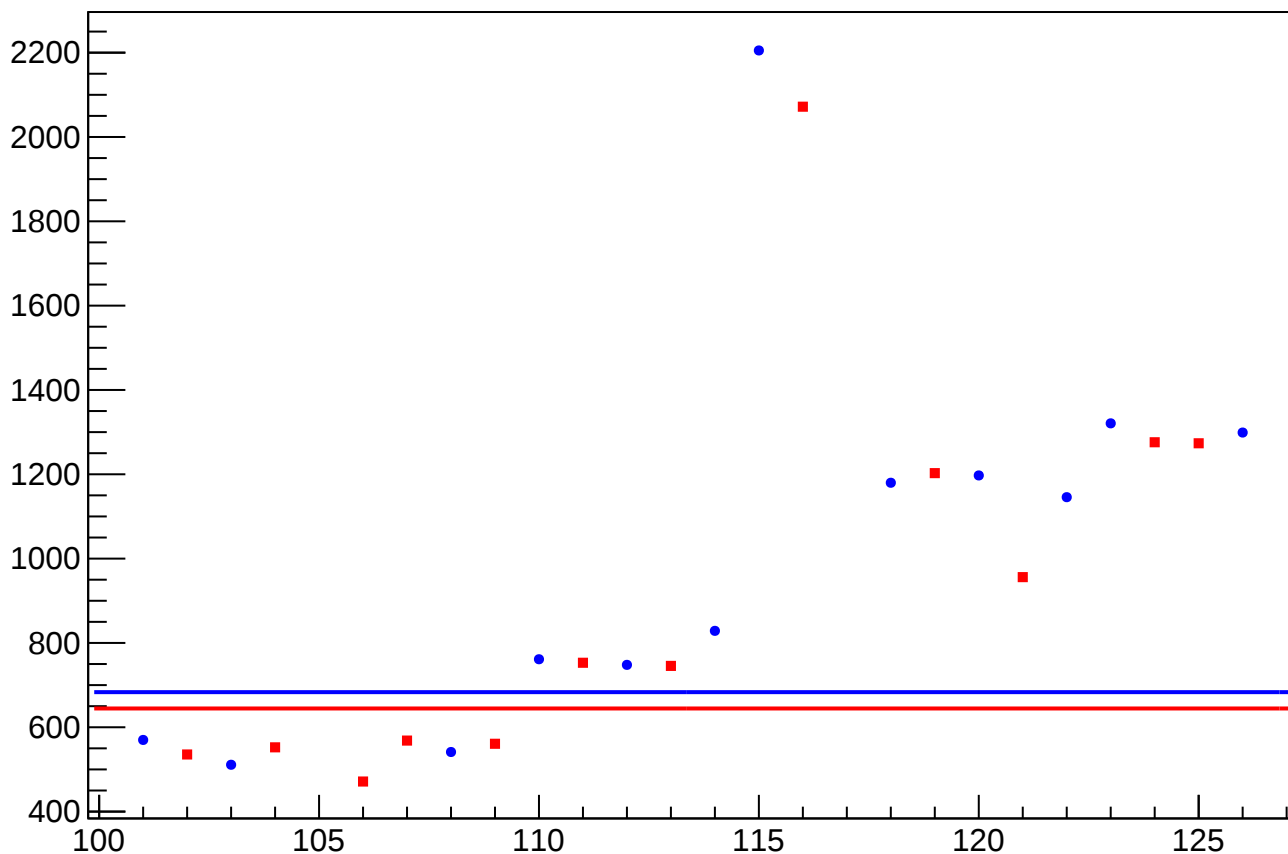
Right:  $-369.489 \pm 235.799$   $\chi^2/\text{NDF}$ : 26.0/23

In:  $-325.821 \pm 352.715$   $\chi^2/\text{NDF}$ : 9.2/11

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

All:  $-369.489 \pm 235.799$   $\chi^2/\text{NDF}$ : 26.0/23

# asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 683.279+/-0.249  $\chi^2/\text{NDF}$ : 995715.3/11

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

Right Out: 644.552+/-0.224  $\chi^2/\text{NDF}$ : 980278.2/11

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

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

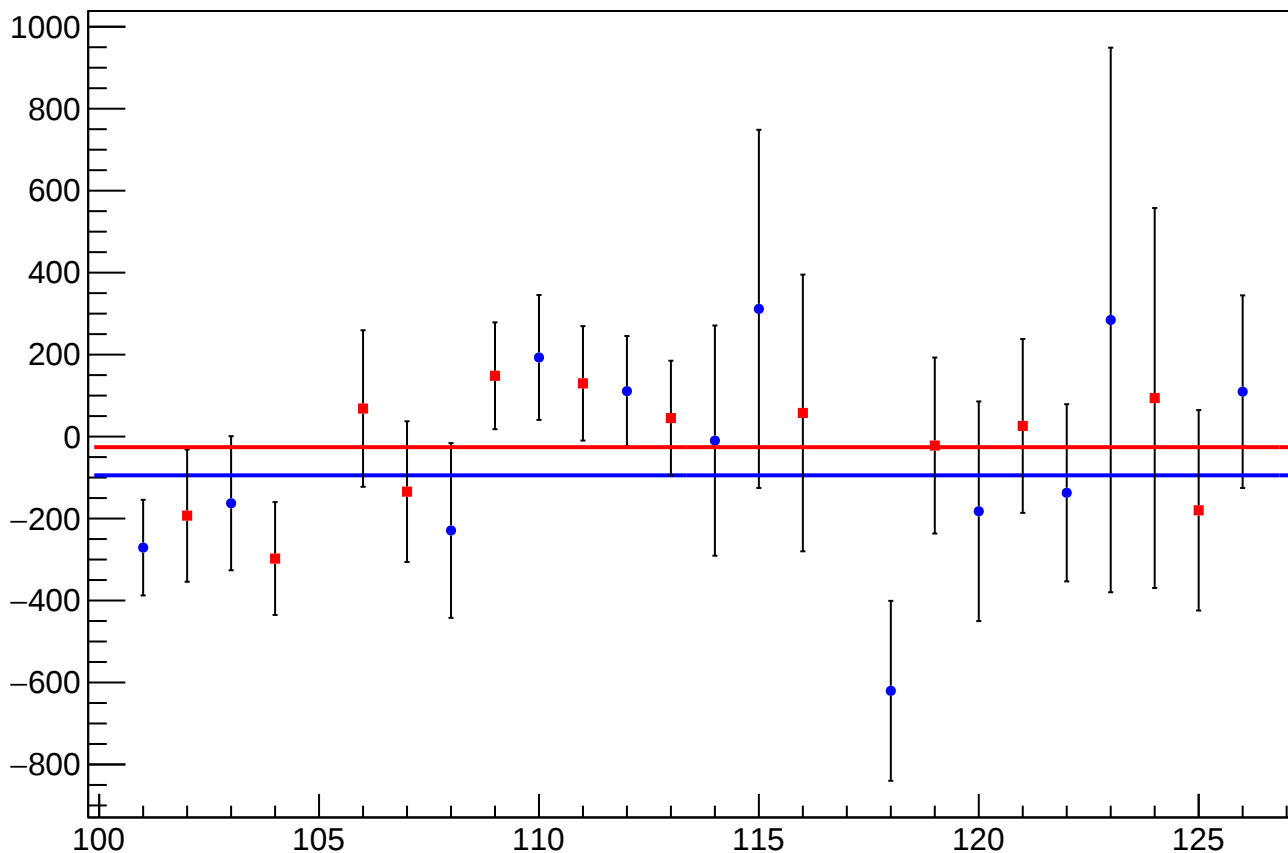
Right: 661.860+/-0.167  $\chi^2/\text{NDF}$ : 1989328.5/23

In: 683.279+/-0.249  $\chi^2/\text{NDF}$ : 995715.3/11

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

All: 661.860+/-0.167  $\chi^2/\text{NDF}$ : 1989328.5/23

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



Right In:  $-94.529 \pm 55.418$   $\chi^2/\text{NDF}$ : 16.7/11

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

Right Out:  $-25.834 \pm 50.778$   $\chi^2/\text{NDF}$ : 9.5/11

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

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

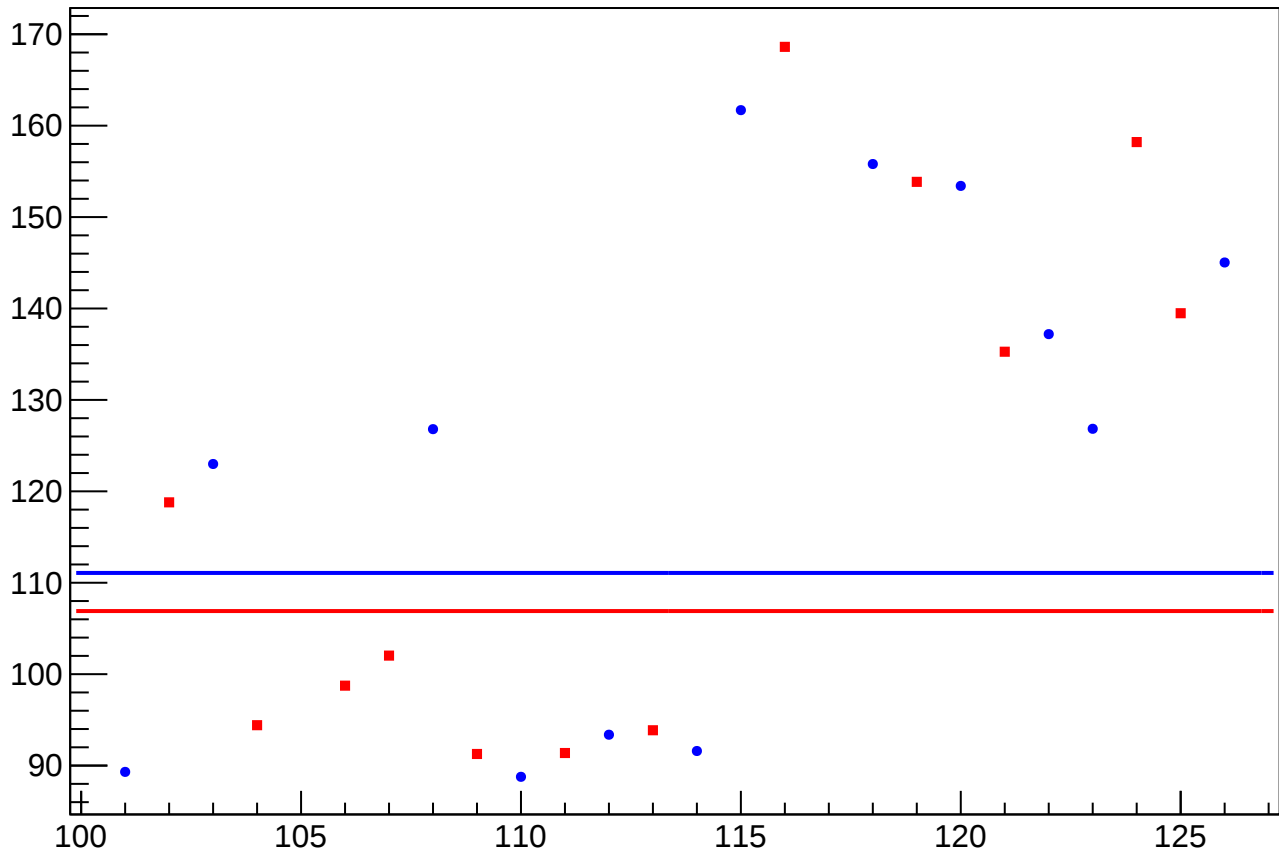
Right:  $-57.186 \pm 37.439$   $\chi^2/\text{NDF}$ : 27.0/23

In:  $-94.529 \pm 55.418$   $\chi^2/\text{NDF}$ : 16.7/11

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

All:  $-57.186 \pm 37.439$   $\chi^2/\text{NDF}$ : 27.0/23

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



Right In: 111.074+/-0.039  $\chi^2/\text{NDF}$ : 410144.3/11

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

Right Out: 106.904+/-0.036  $\chi^2/\text{NDF}$ : 361721.7/11

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

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

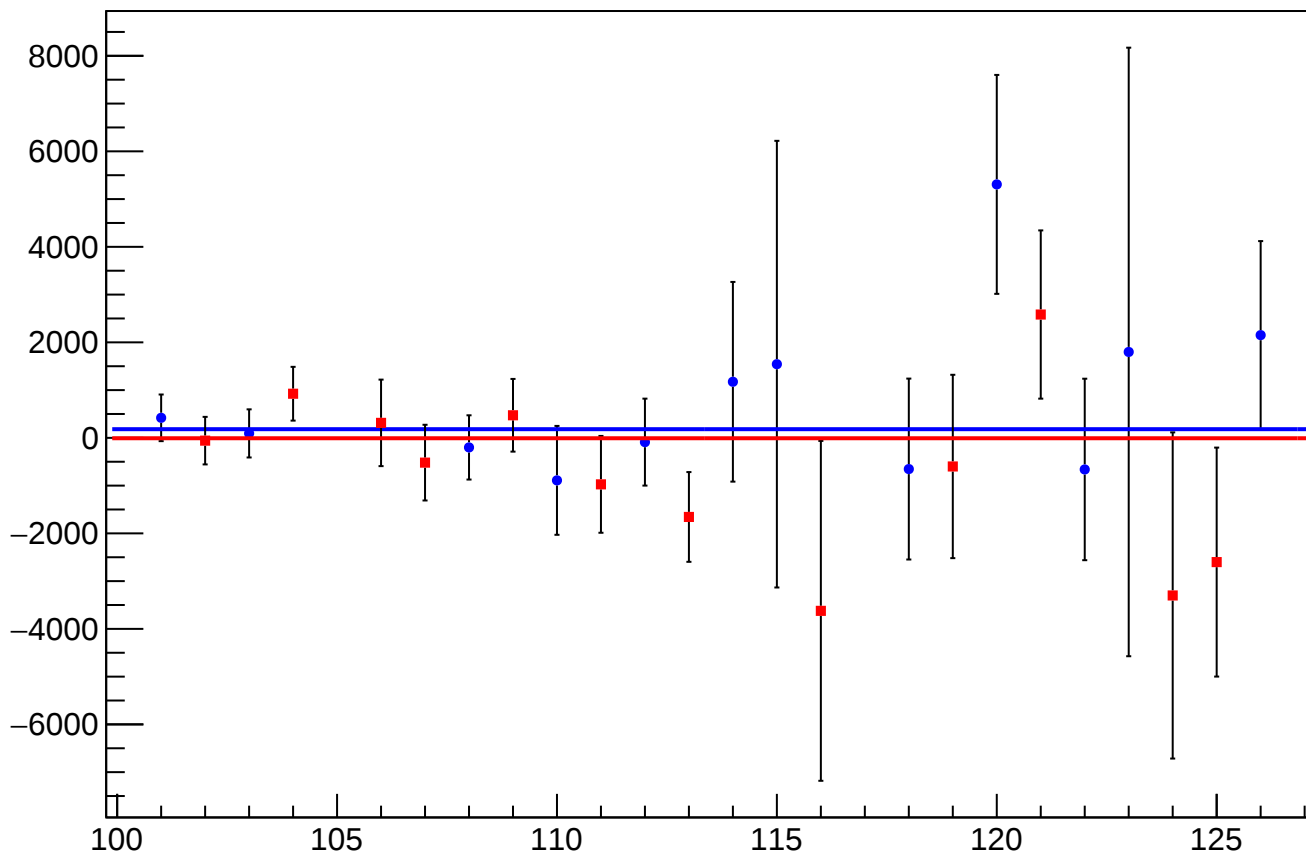
Right: 108.807+/-0.026  $\chi^2/\text{NDF}$ : 778021.7/23

In: 111.074+/-0.039  $\chi^2/\text{NDF}$ : 410144.3/11

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

All: 108.807+/-0.026  $\chi^2/\text{NDF}$ : 778021.7/23

asym\_sam6\_correction\_mean vs Slug, Sign Corrected



Right In: 181.796+/-270.948  $\chi^2/\text{NDF}$ : 8.3/11

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

Right Out: -8.187+/-260.254  $\chi^2/\text{NDF}$ : 13.1/11

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

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

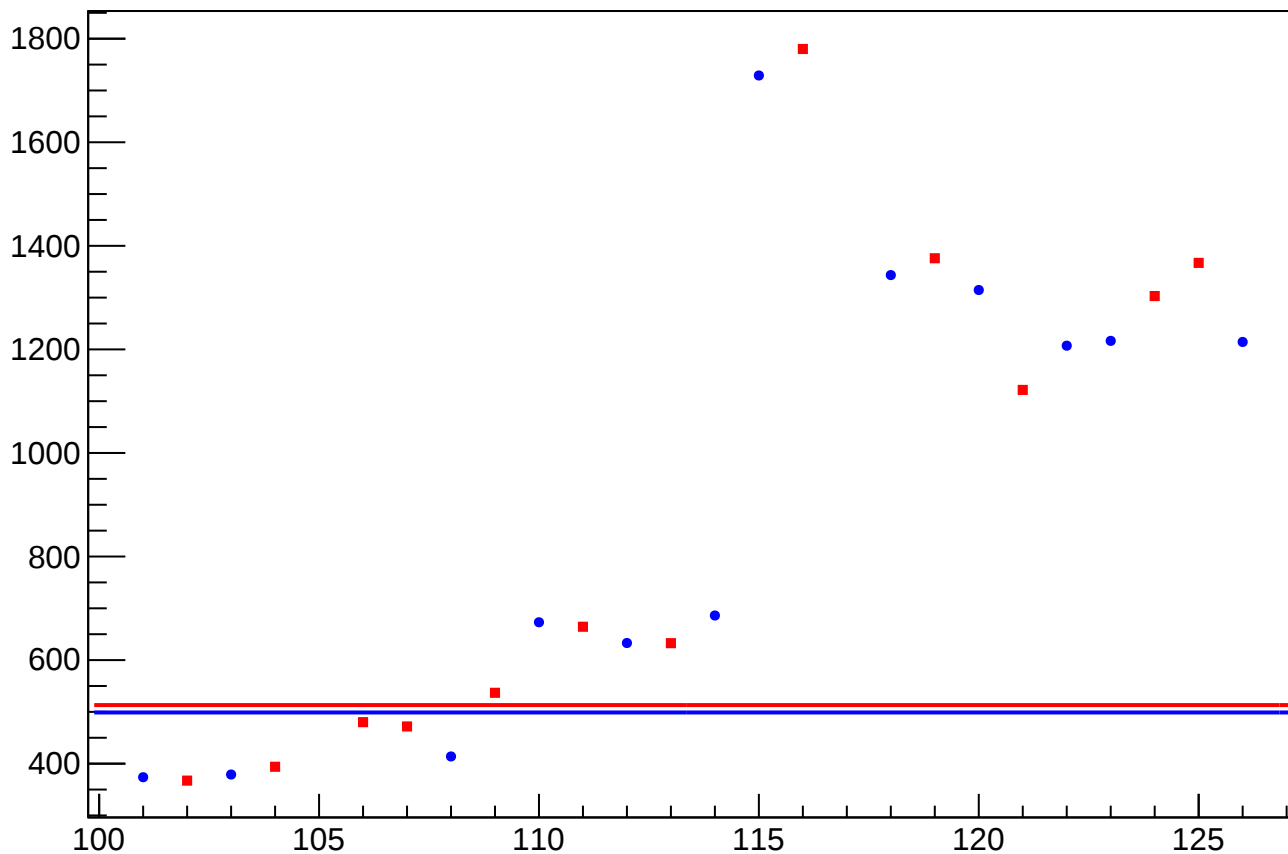
Right: 82.982+/-187.694  $\chi^2/\text{NDF}$ : 21.6/23

In: 181.796+/-270.948  $\chi^2/\text{NDF}$ :8.3/11

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

All: 82.982+/-187.694  $\chi^2/\text{NDF}$ : 21.6/23

# asym\_sam6\_correction\_rms vs Slug, Sign Corrected



Right In: 498.862+/-0.192  $\chi^2/\text{NDF}$ : 1739248.5/11

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

Right Out: 513.130+/-0.184  $\chi^2/\text{NDF}$ : 1605277.4/11

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

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

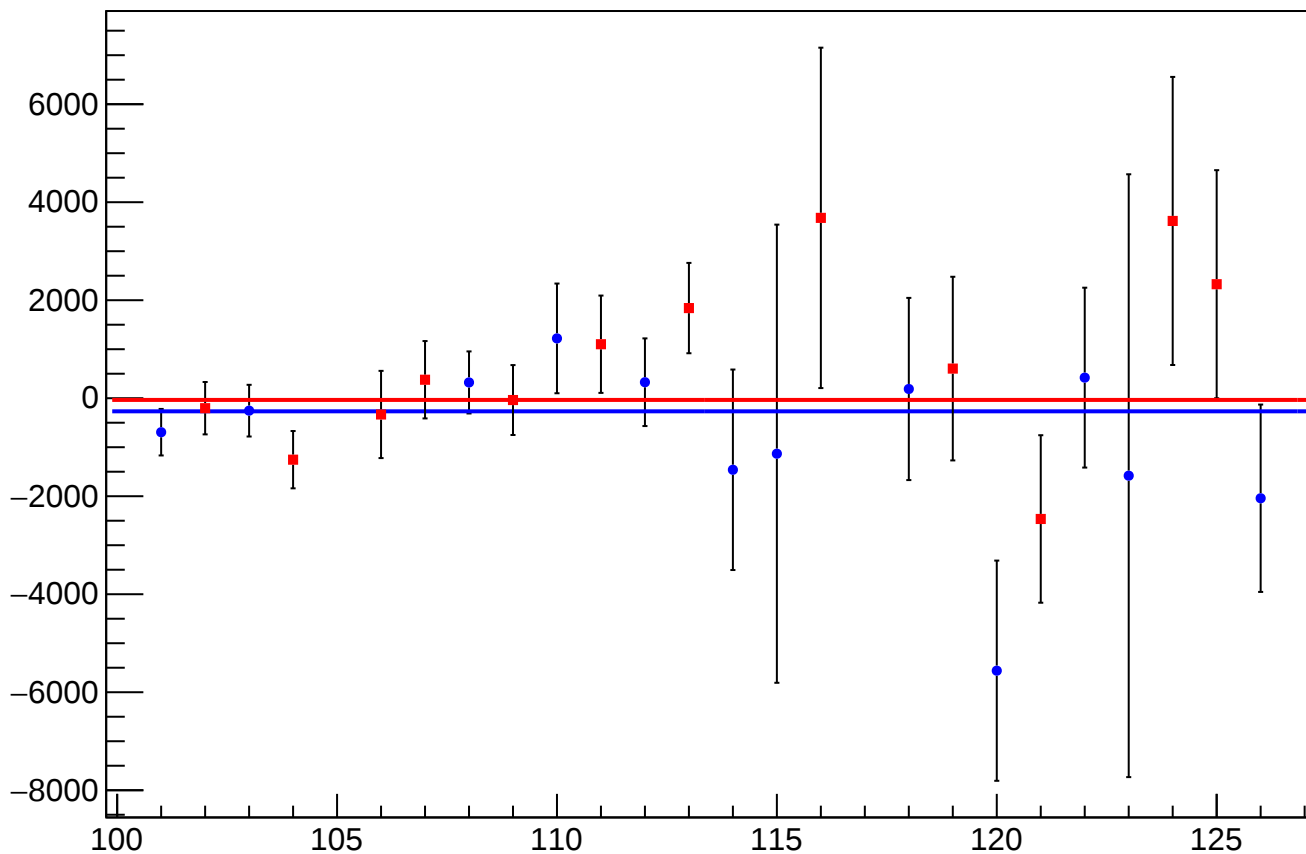
Right: 506.283+/-0.133  $\chi^2/\text{NDF}$ : 3347410.5/23

In: 498.862+/-0.192  $\chi^2/\text{NDF}$ : 1739248.5/11

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

All: 506.283+/-0.133  $\chi^2/\text{NDF}$ : 3347410.5/23

# asym\_sam6\_mean vs Slug, Sign Corrected



Right In:  $-267.399 \pm 267.789$   $\chi^2/\text{NDF}: 10.9/11$

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

Right Out:  $-34.818 \pm 262.973$   $\chi^2/\text{NDF}: 16.1/11$

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

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

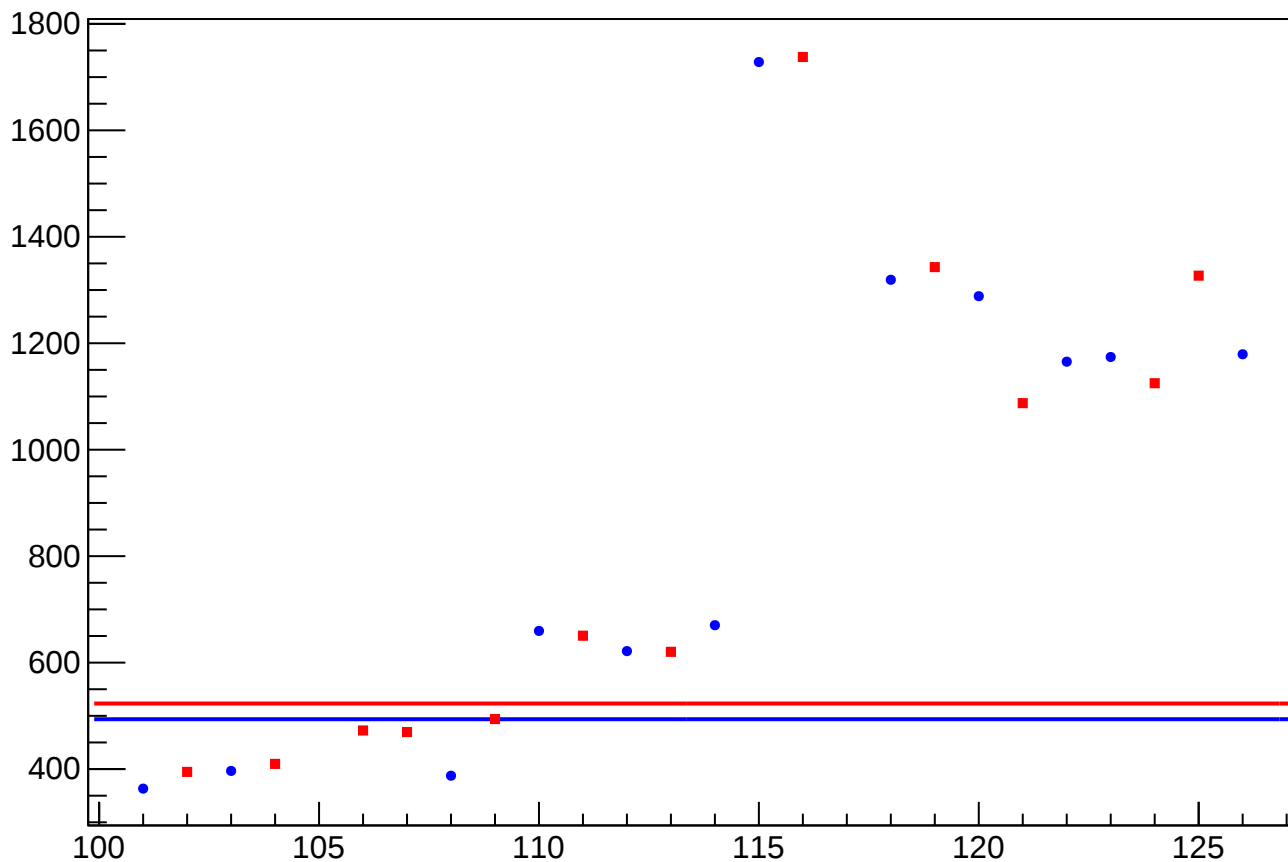
Right:  $-148.998 \pm 187.629$   $\chi^2/\text{NDF}: 27.4/23$

In:  $-267.399 \pm 267.789$   $\chi^2/\text{NDF}: 10.9/11$

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

All:  $-148.998 \pm 187.629$   $\chi^2/\text{NDF}: 27.4/23$

# asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 493.656+/-0.189  $\chi^2/\text{NDF}$ : 1708509.5/11

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

Right Out: 523.165+/-0.186  $\chi^2/\text{NDF}$ : 1432860.6/11

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

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

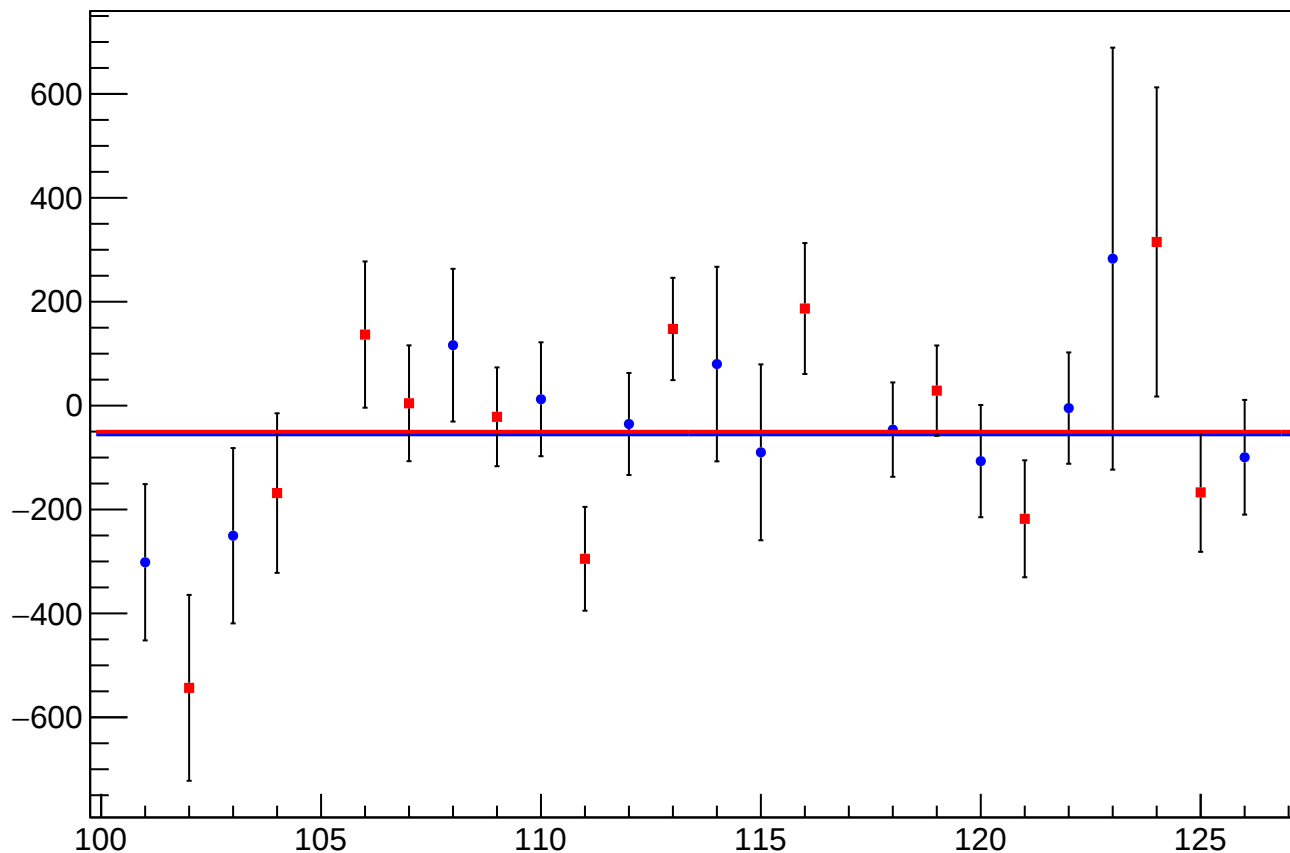
Right: 508.678+/-0.133  $\chi^2/\text{NDF}$ : 3153733.4/23

In: 493.656+/-0.189  $\chi^2/\text{NDF}$ : 1708509.5/11

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

All: 508.678+/-0.133  $\chi^2/\text{NDF}$ : 3153733.4/23

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



Right In: -55.208+/-36.323  $\chi^2/\text{NDF}$ : 7.7/11

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

Right Out: -50.427+/-33.706  $\chi^2/\text{NDF}$ : 29.4/11

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

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

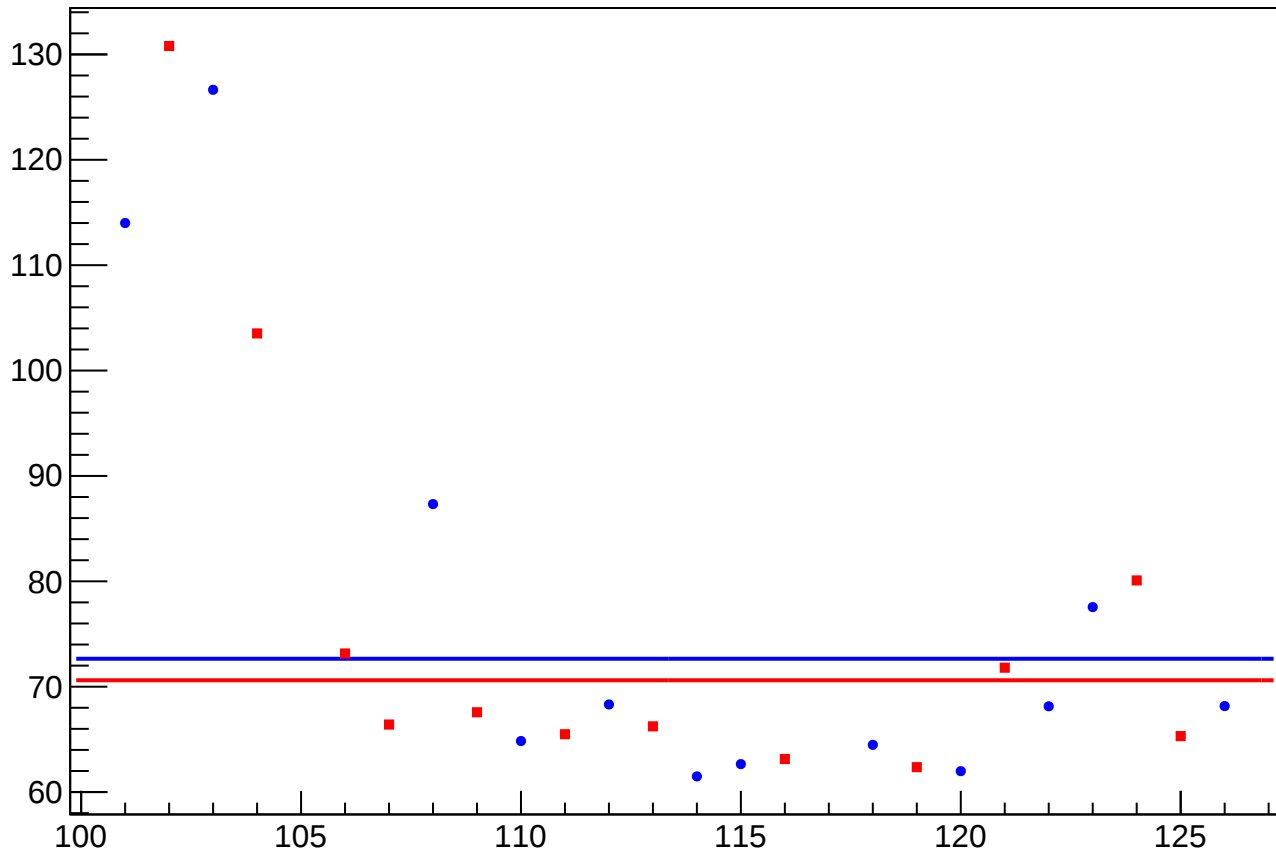
Right: -52.639+/-24.707  $\chi^2/\text{NDF}$ : 37.1/23

In: -55.208+/-36.323  $\chi^2/\text{NDF}$ : 7.7/11

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

All: -52.639+/-24.707  $\chi^2/\text{NDF}$ : 37.1/23

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



Right In: 72.651 $\pm$ 0.026  $\chi^2$ /NDF: 446708.7/11

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

Right Out: 70.611 $\pm$ 0.024  $\chi^2$ /NDF: 364376.7/11

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

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

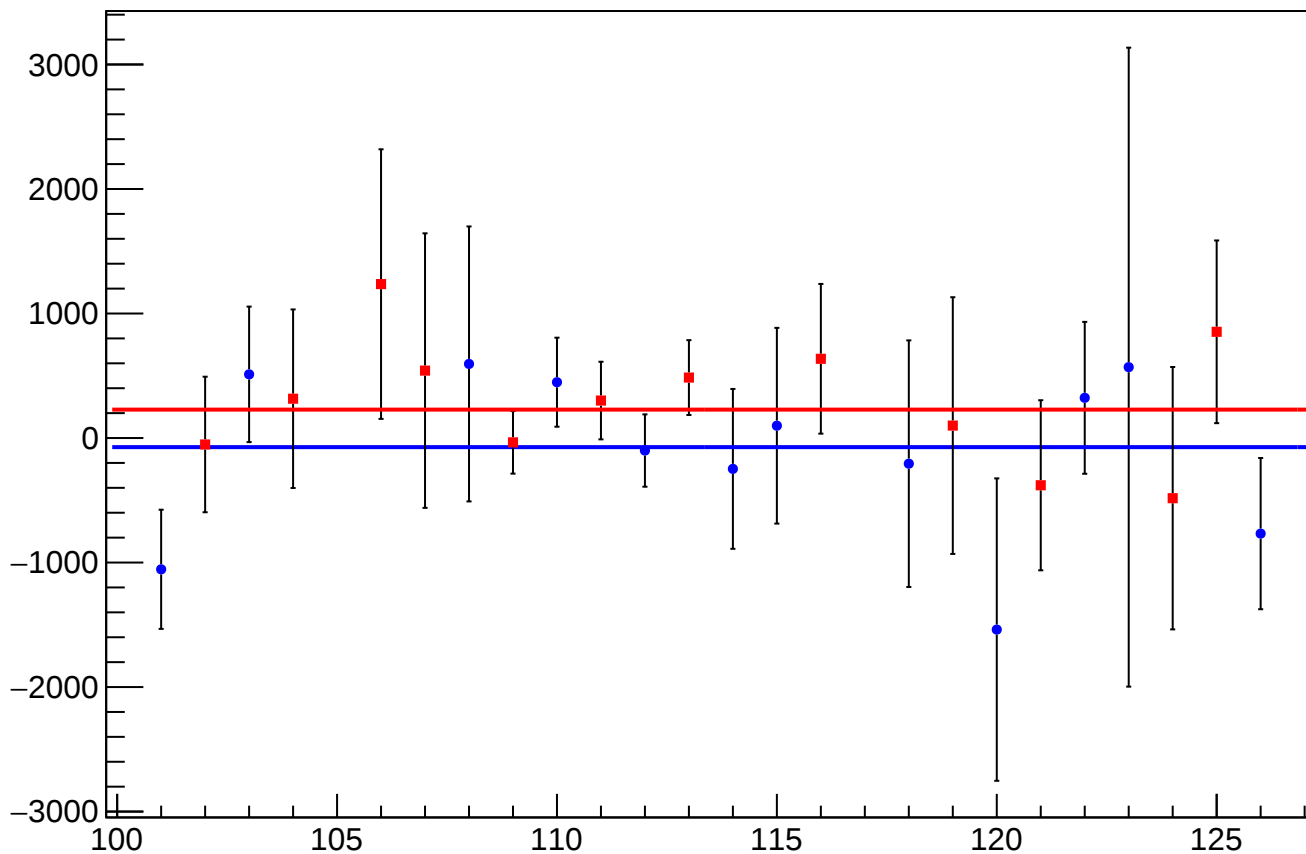
Right: 71.555 $\pm$ 0.017  $\chi^2$ /NDF: 814474.7/23

In: 72.651 $\pm$ 0.026  $\chi^2$ /NDF:446708.7/11

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

All: 71.555 $\pm$ 0.017  $\chi^2$ /NDF: 814474.7/23

asym\_sam7\_correction\_mean vs Slug, Sign Corrected



Right In: -73.178+/-159.042  $\chi^2/\text{NDF}$ : 11.2/11

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

Right Out: 228.167+/-137.577  $\chi^2/\text{NDF}$ : 5.6/11

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

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

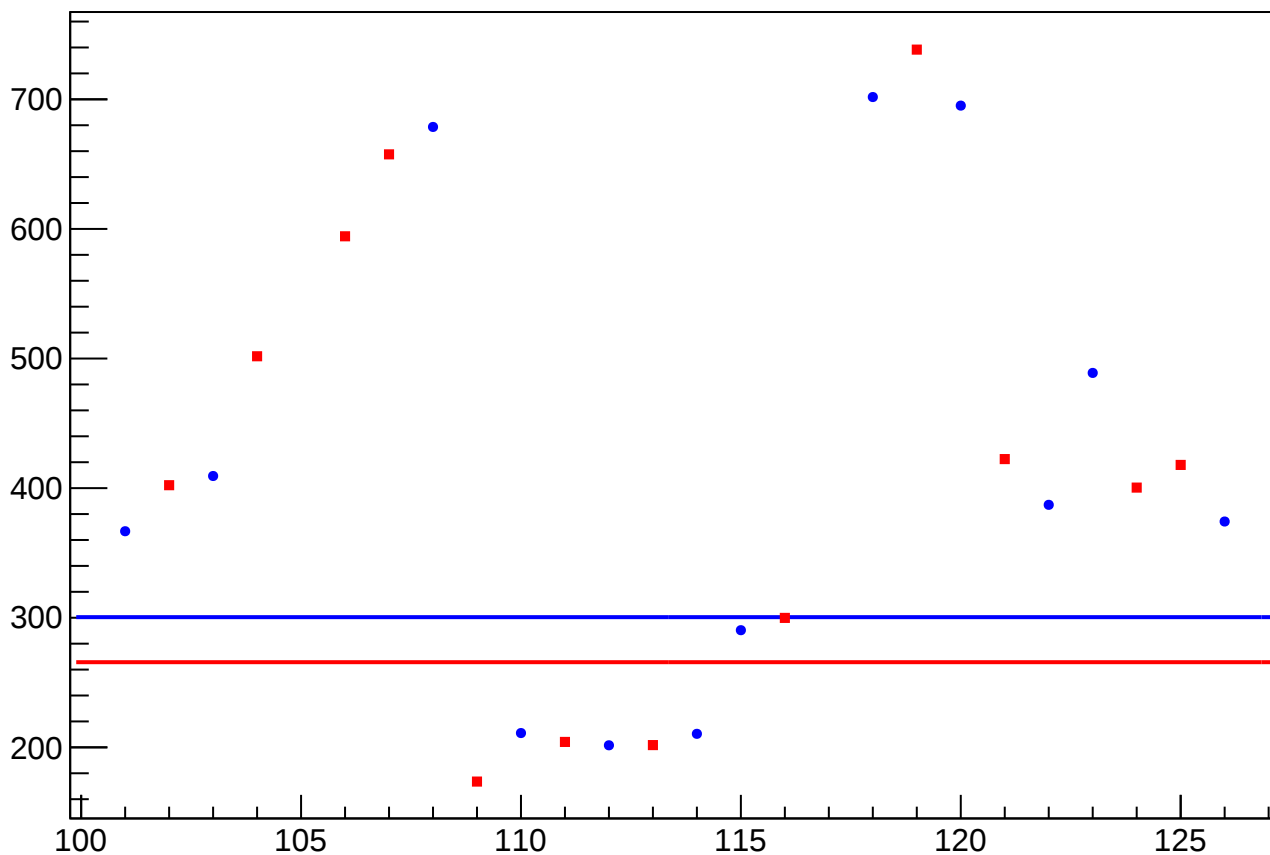
Right: 99.188+/-104.049  $\chi^2/\text{NDF}$ : 18.9/23

In: -73.178+/-159.042  $\chi^2/\text{NDF}$ : 11.2/11

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

All: 99.188+/-104.049  $\chi^2/\text{NDF}$ : 18.9/23

asym\_sam7\_correction\_rms vs Slug, Sign Corrected



Right In: 300.458+/-0.112  $\chi^2/\text{NDF}$ : 1370119.7/11

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

Right Out: 265.708+/-0.097  $\chi^2/\text{NDF}$ : 1868184.0/11

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

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

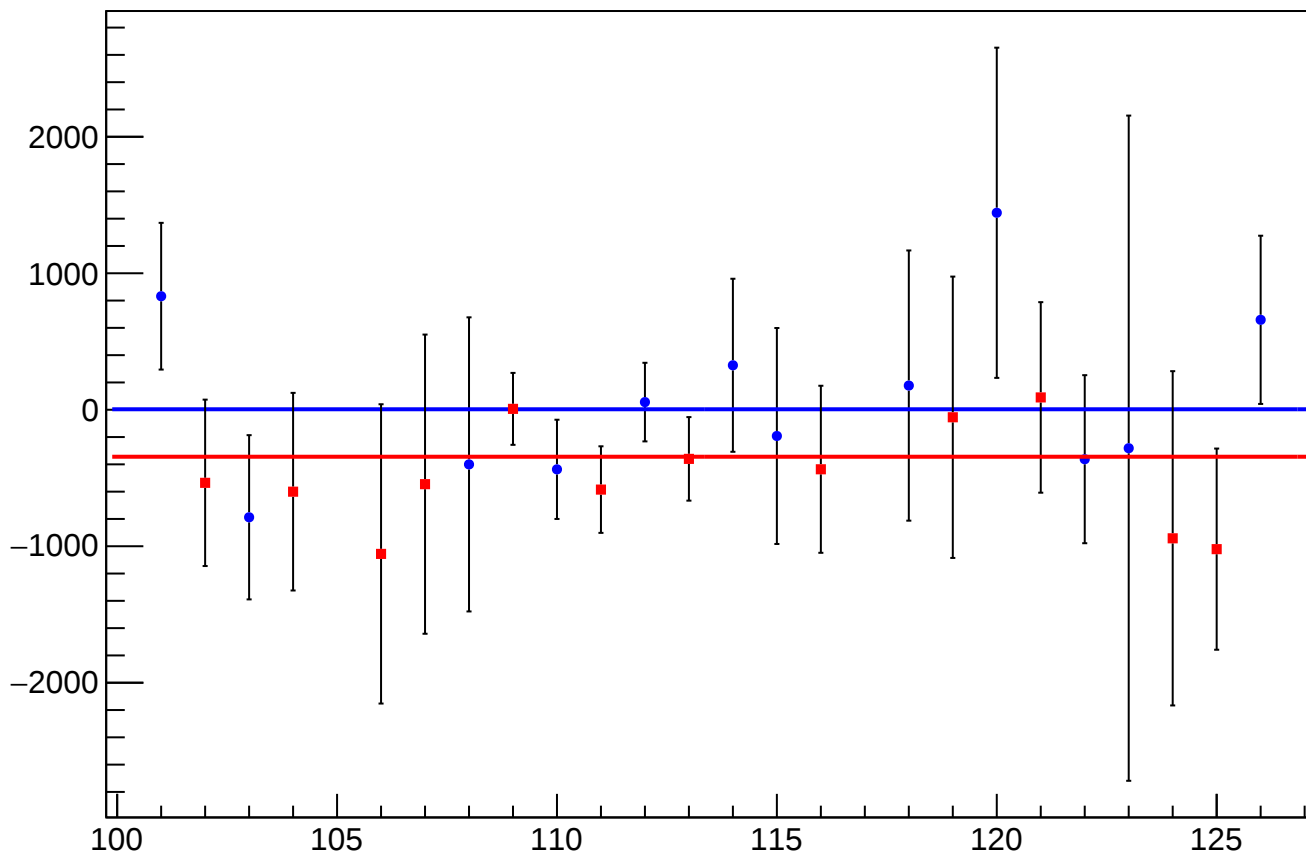
Right: 280.581+/-0.074  $\chi^2/\text{NDF}$ : 3292917.3/23

In: 300.458+/-0.112  $\chi^2/\text{NDF}$ :1370119.7/11

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

All: 280.581+/-0.074  $\chi^2/\text{NDF}$ : 3292917.3/23

# asym\_sam7\_mean vs Slug, Sign Corrected



Right In: 3.553+/-162.333  $\chi^2/\text{NDF}$ : 9.0/11

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

Right Out: -344.188+/-142.203  $\chi^2/\text{NDF}$ : 4.6/11

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

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

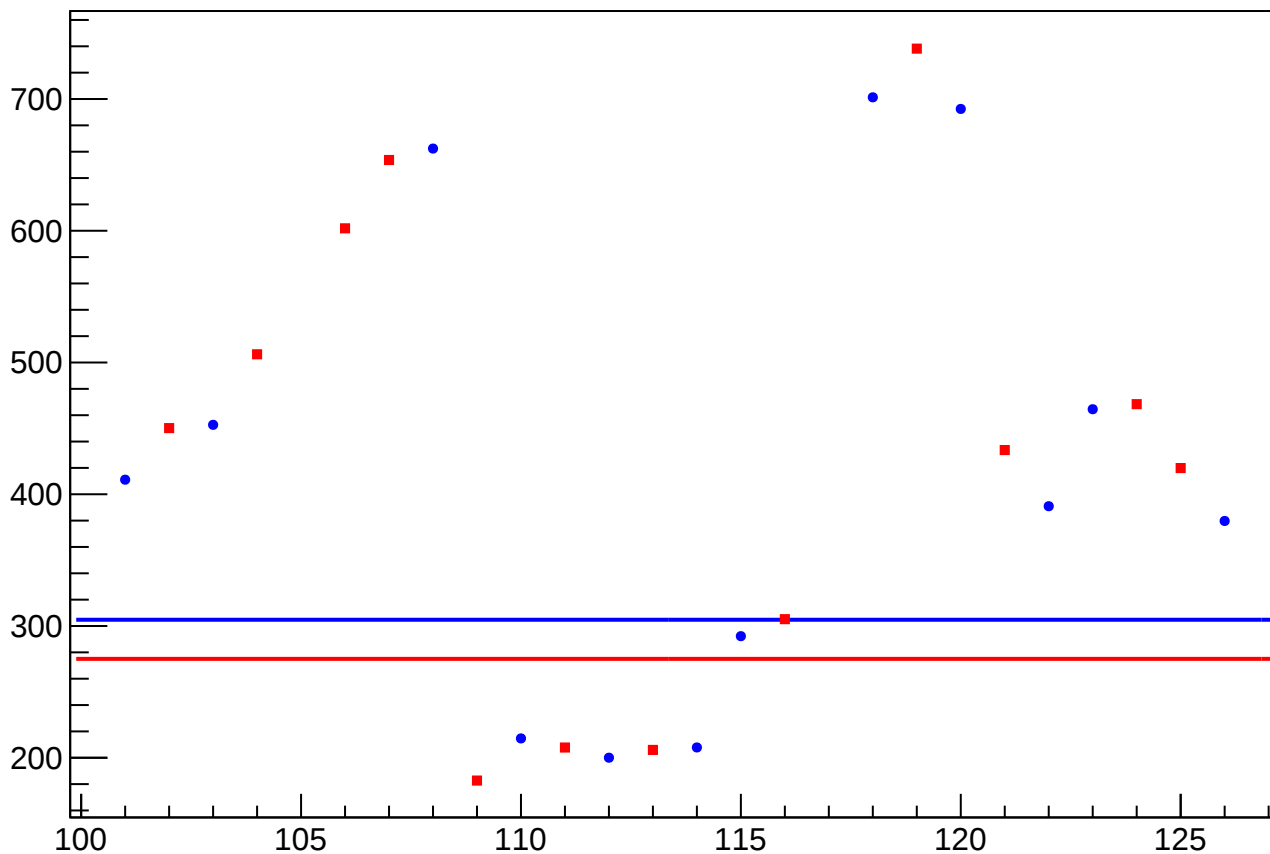
Right: -193.204+/-106.966  $\chi^2/\text{NDF}$ : 16.2/23

In: 3.553+/-162.333  $\chi^2/\text{NDF}$ : 9.0/11

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

All: -193.204+/-106.966  $\chi^2/\text{NDF}$ : 16.2/23

# asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 304.750+/-0.115  $\chi^2/\text{NDF}$ : 1457949.6/11

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

Right Out: 275.062+/-0.101  $\chi^2/\text{NDF}$ : 1862138.6/11

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

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

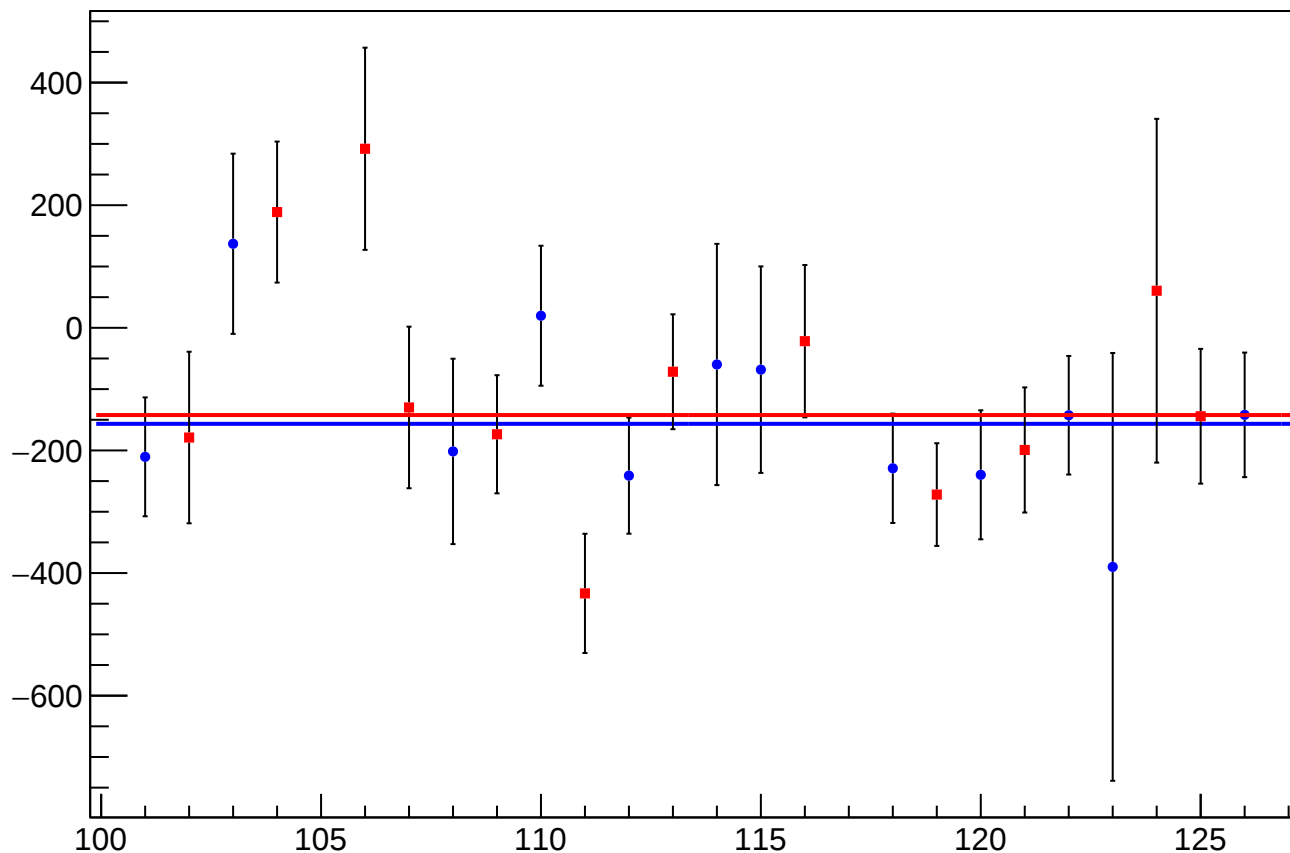
Right: 287.952+/-0.076  $\chi^2/\text{NDF}$ : 3357937.2/23

In: 304.750+/-0.115  $\chi^2/\text{NDF}$ : 1457949.6/11

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

All: 287.952+/-0.076  $\chi^2/\text{NDF}$ : 3357937.2/23

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



Right In: -156.609+/-33.828  $\chi^2/\text{NDF}$ : 9.9/11

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

Right Out: -142.273+/-32.490  $\chi^2/\text{NDF}$ : 29.1/11

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

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

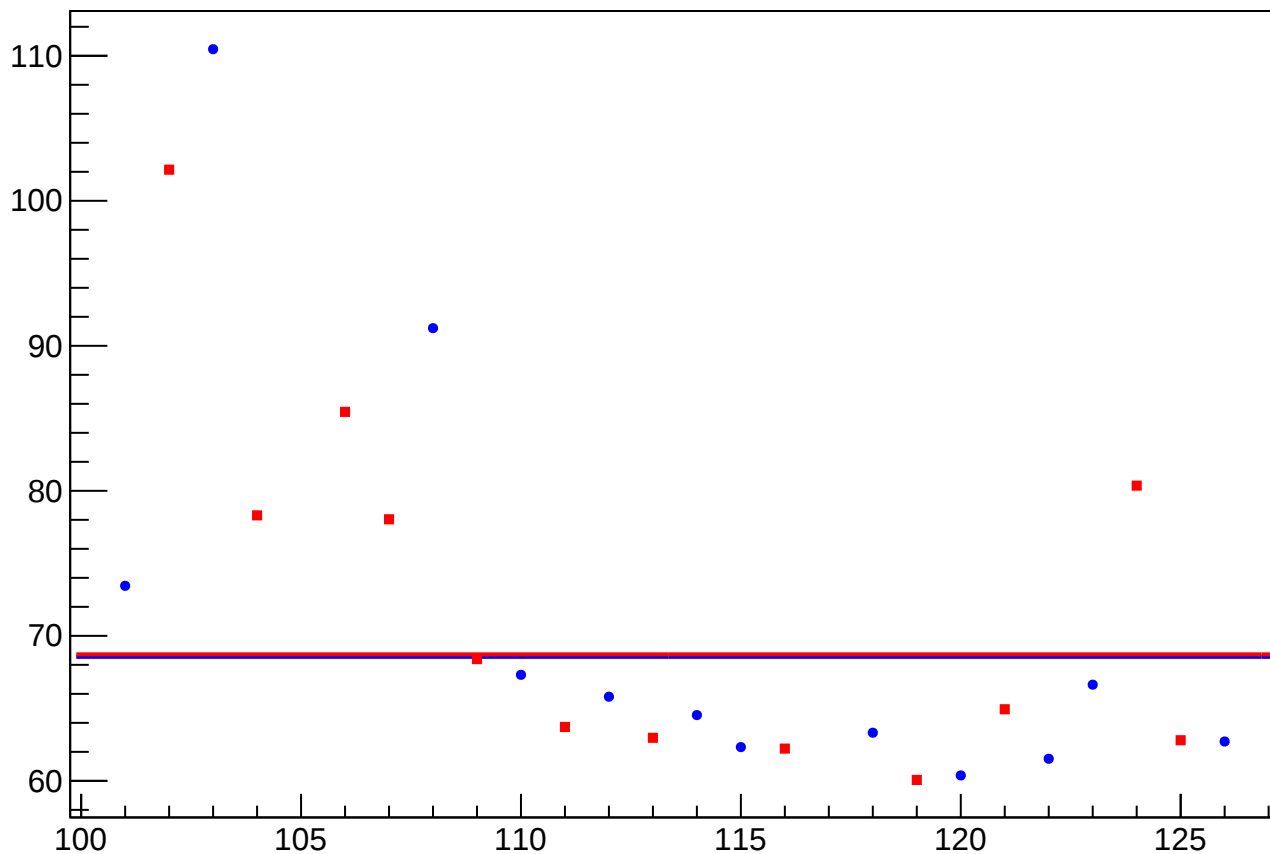
Right: -149.152+/-23.432  $\chi^2/\text{NDF}$ : 39.1/23

In: -156.609+/-33.828  $\chi^2/\text{NDF}$ :9.9/11

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

All: -149.152+/-23.432  $\chi^2/\text{NDF}$ : 39.1/23

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



Right In: 68.550+/-0.024  $\chi^2/\text{NDF}$ : 254332.7/11

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

Right Out: 68.725+/-0.023  $\chi^2/\text{NDF}$ : 210280.4/11

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

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

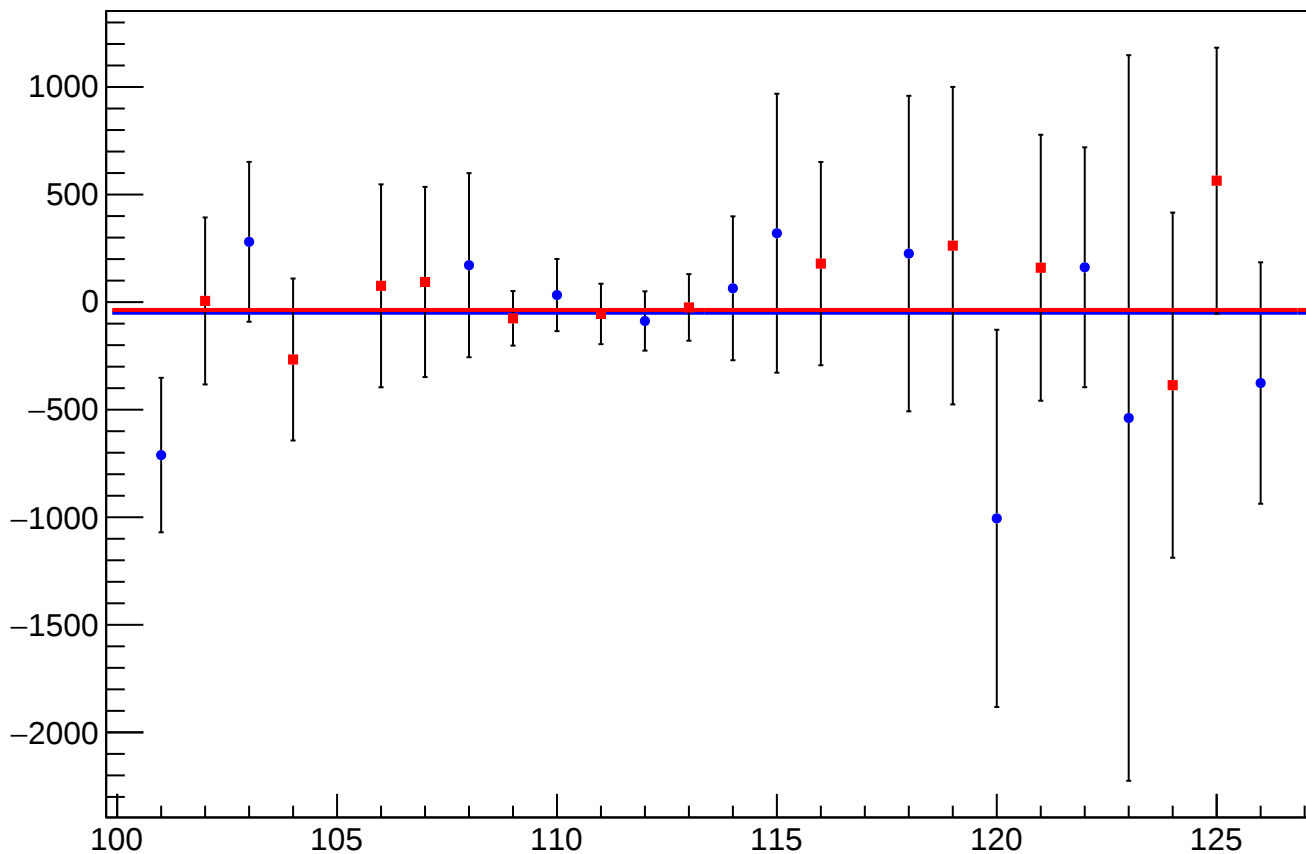
Right: 68.641+/-0.017  $\chi^2/\text{NDF}$ : 464641.0/23

In: 68.550+/-0.024  $\chi^2/\text{NDF}$ :254332.7/11

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

All: 68.641+/-0.017  $\chi^2/\text{NDF}$ : 464641.0/23

asym\_sam8\_correction\_mean vs Slug, Sign Corrected



Right In:  $-49.318 \pm 87.767$   $\chi^2/\text{NDF}$ : 7.1/11

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

Right Out:  $-36.333 \pm 72.346$   $\chi^2/\text{NDF}$ : 2.3/11

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

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

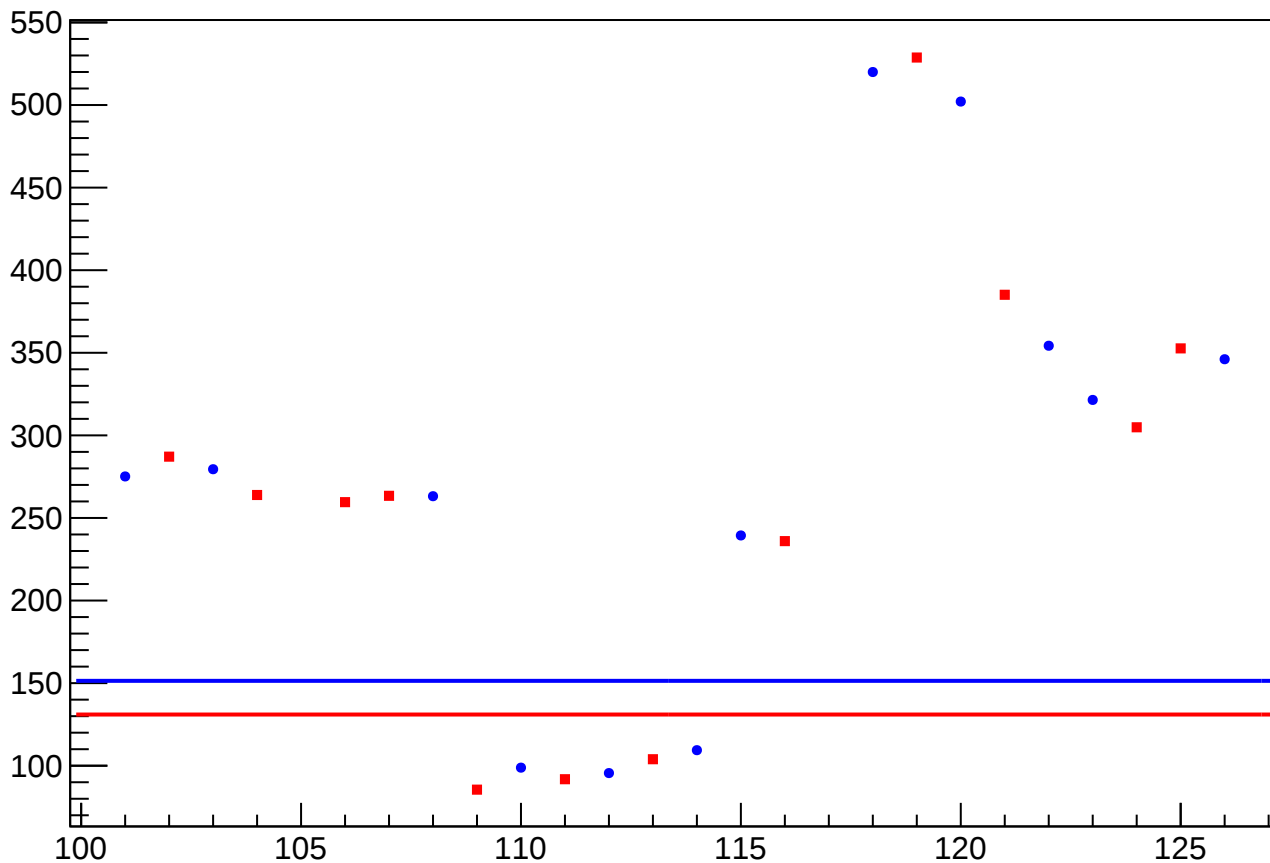
Right:  $-41.586 \pm 55.825$   $\chi^2/\text{NDF}$ : 9.4/23

In:  $-49.318 \pm 87.767$   $\chi^2/\text{NDF}$ : 7.1/11

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

All:  $-41.586 \pm 55.825$   $\chi^2/\text{NDF}$ : 9.4/23

asym\_sam8\_correction\_rms vs Slug, Sign Corrected



Right In: 151.388+/-0.062  $\chi^2/\text{NDF}$ : 2555489.3/11

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

Right Out: 130.994+/-0.051  $\chi^2/\text{NDF}$ : 2743777.8/11

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

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

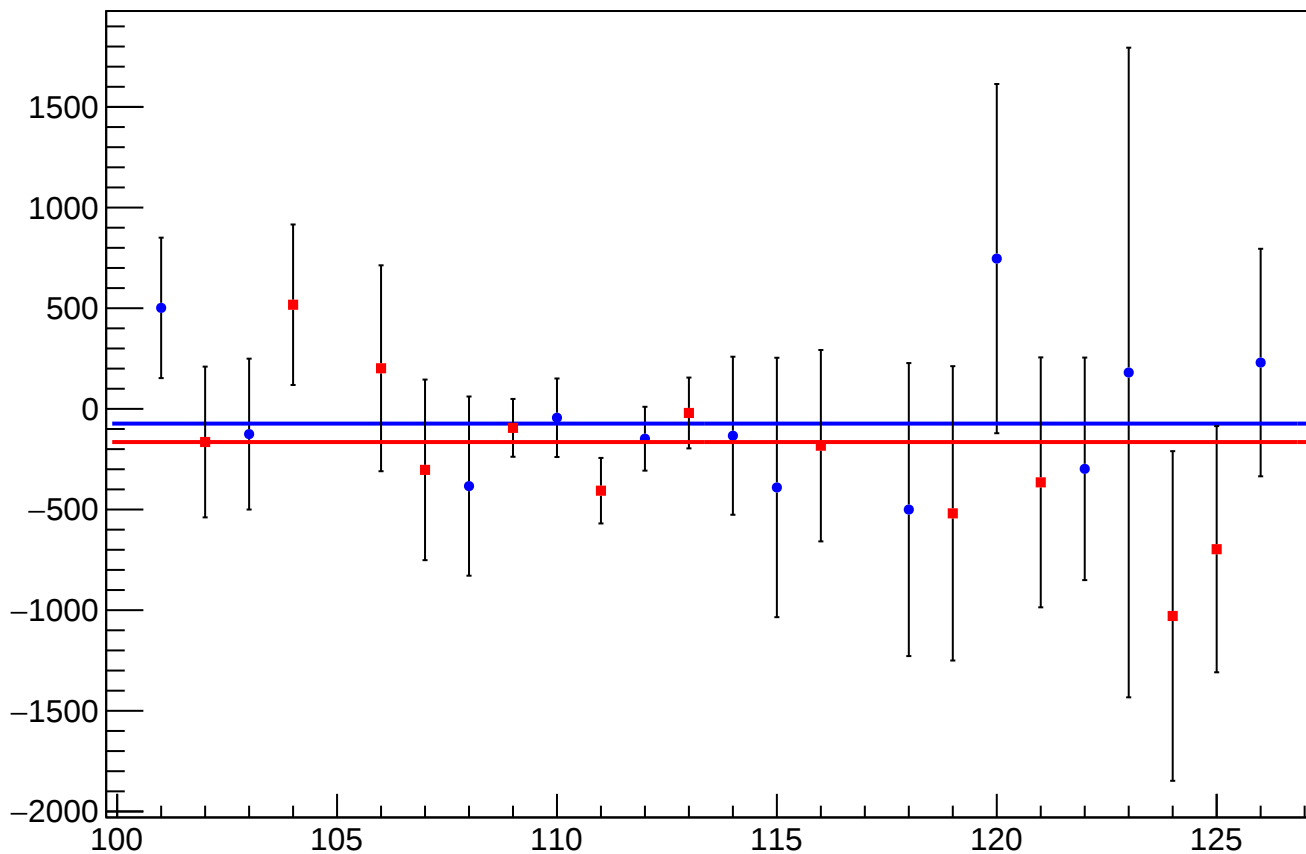
Right: 139.245+/-0.039  $\chi^2/\text{NDF}$ : 5363567.1/23

In: 151.388+/-0.062  $\chi^2/\text{NDF}$ : 2555489.3/11

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

All: 139.245+/-0.039  $\chi^2/\text{NDF}$ : 5363567.1/23

# asym\_sam8\_mean vs Slug, Sign Corrected



Right In:  $-73.139 \pm 97.436$   $\chi^2/\text{NDF}$ : 5.4/11

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

Right Out:  $-164.832 \pm 80.636$   $\chi^2/\text{NDF}$ : 8.9/11

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

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

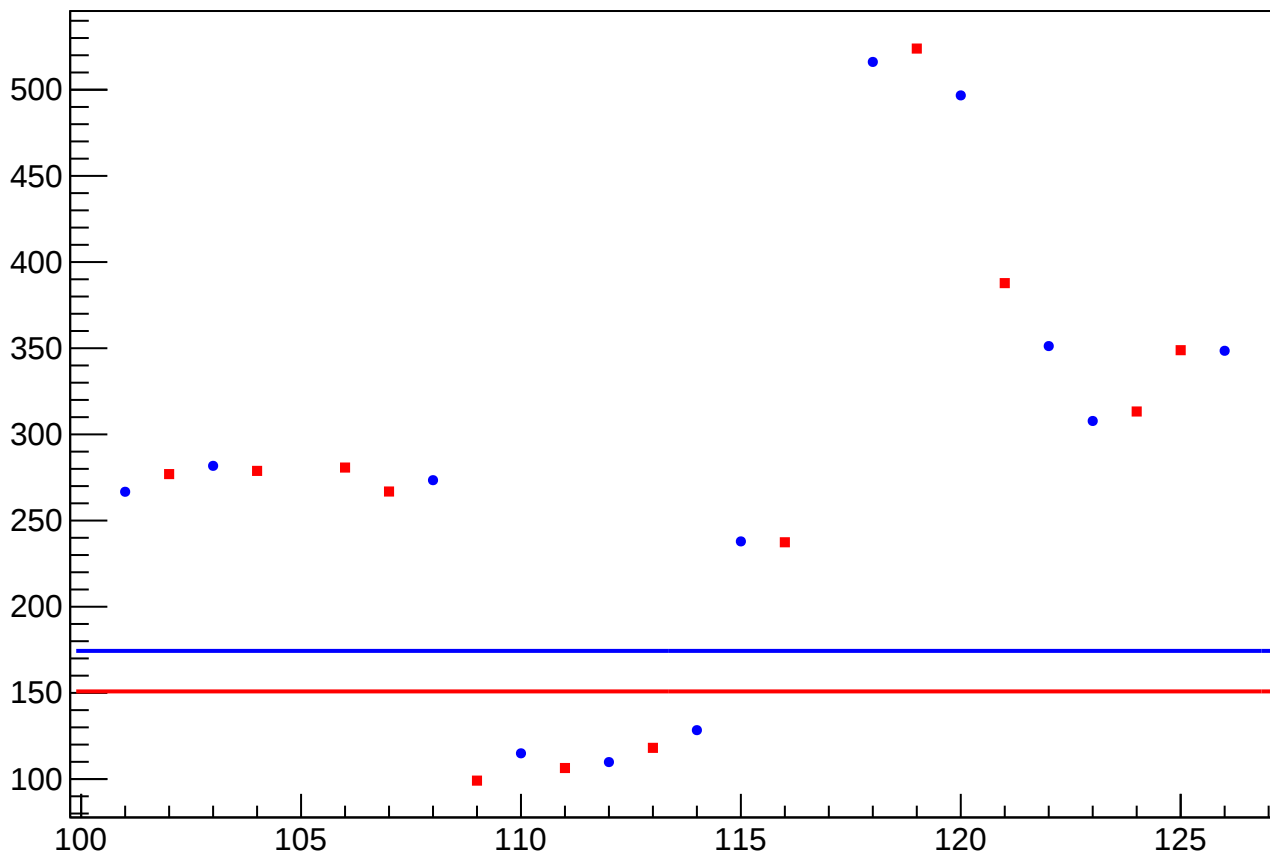
Right:  $-127.560 \pm 62.122$   $\chi^2/\text{NDF}$ : 14.8/23

In:  $-73.139 \pm 97.436$   $\chi^2/\text{NDF}$ : 5.4/11

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

All:  $-127.560 \pm 62.122$   $\chi^2/\text{NDF}$ : 14.8/23

# asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 174.372+/-0.069  $\chi^2/\text{NDF}$ : 2092543.5/11

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

Right Out: 150.862+/-0.057  $\chi^2/\text{NDF}$ : 2340289.6/11

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

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

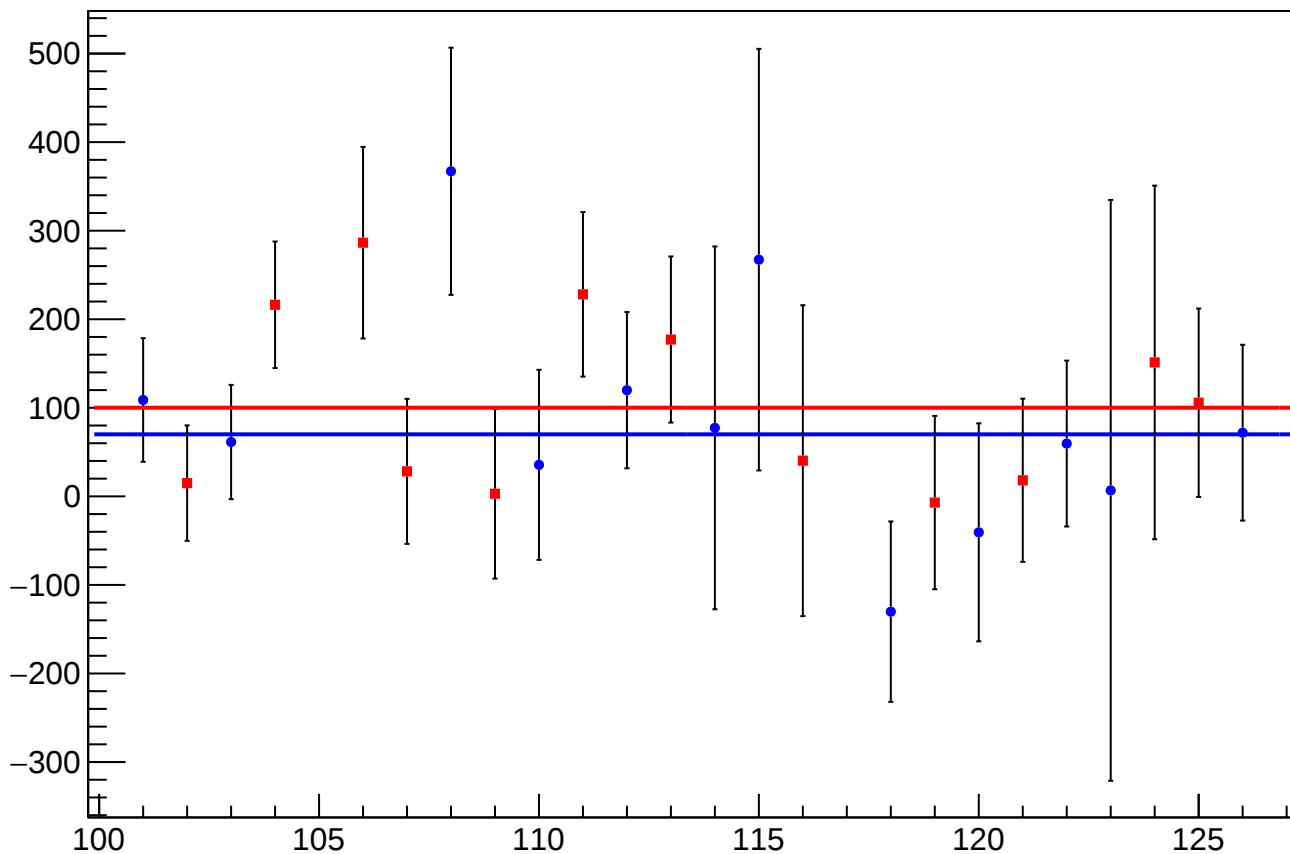
Right: 160.418+/-0.044  $\chi^2/\text{NDF}$ : 4501939.4/23

In: 174.372+/-0.069  $\chi^2/\text{NDF}$ : 2092543.5/11

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

All: 160.418+/-0.044  $\chi^2/\text{NDF}$ : 4501939.4/23

dit\_asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: 70.060 $\pm$ 29.604  $\chi^2$ /NDF: 10.7/11

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

Right Out: 100.117 $\pm$ 26.992  $\chi^2$ /NDF: 13.9/11

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

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

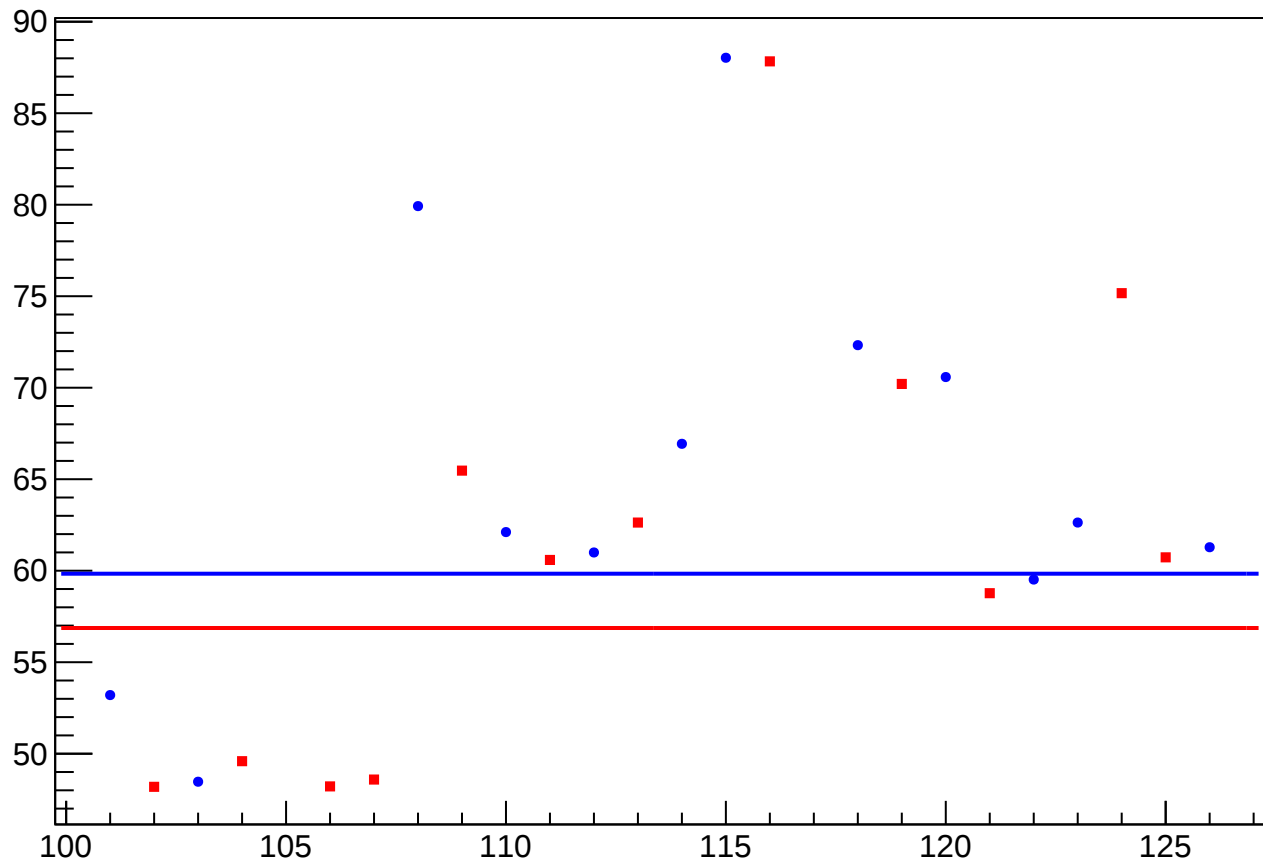
Right: 86.472 $\pm$ 19.946  $\chi^2$ /NDF: 25.1/23

In: 70.060 $\pm$ 29.604  $\chi^2$ /NDF:10.7/11

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

All: 86.472 $\pm$ 19.946  $\chi^2$ /NDF: 25.1/23

dit\_asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 59.836 $\pm$ 0.021  $\chi^2$ /NDF: 199221.6/11

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

Right Out: 56.870 $\pm$ 0.019  $\chi^2$ /NDF: 235979.2/11

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

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

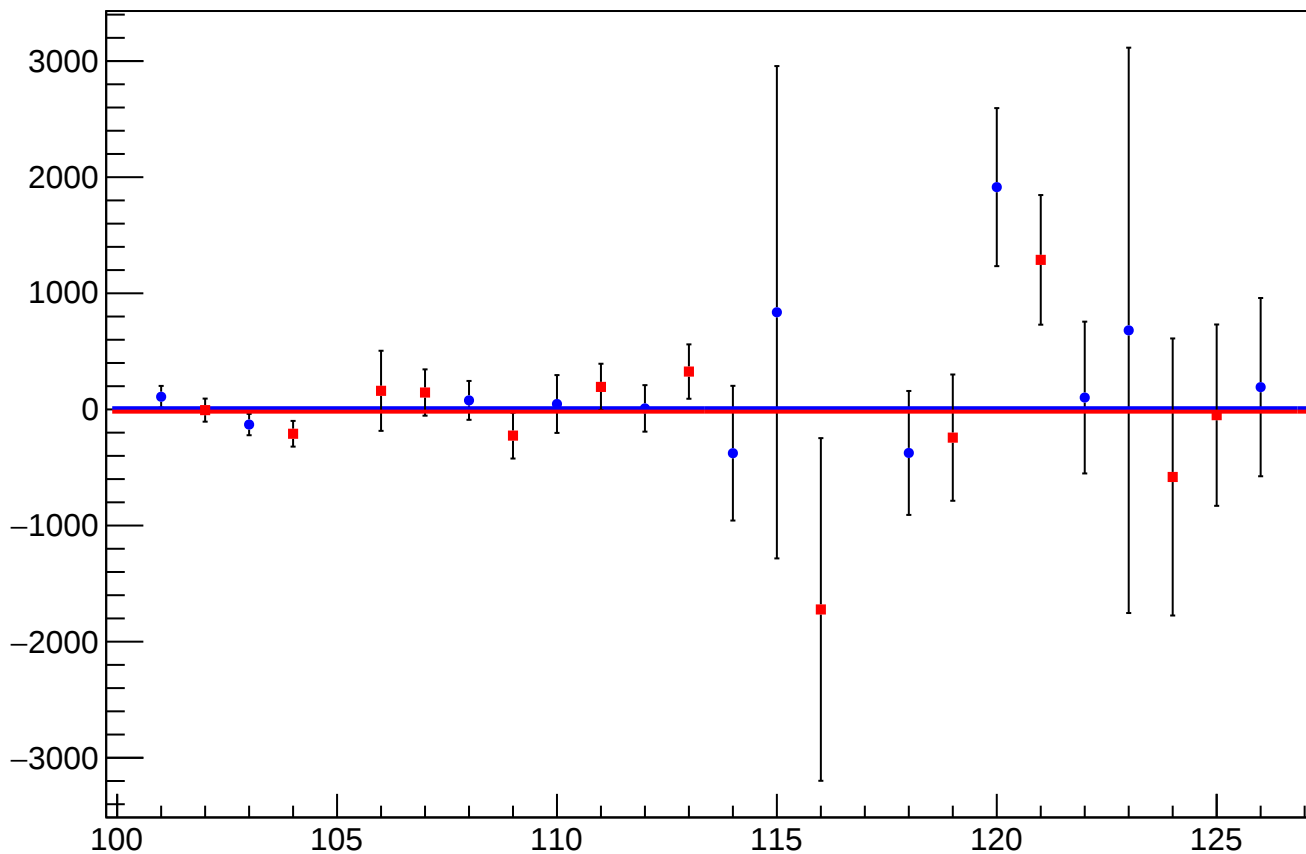
Right: 58.216 $\pm$ 0.014  $\chi^2$ /NDF: 446169.4/23

In: 59.836 $\pm$ 0.021  $\chi^2$ /NDF:199221.6/11

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

All: 58.216 $\pm$ 0.014  $\chi^2$ /NDF: 446169.4/23

asym\_sam\_15\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 10.433+/-55.656  $\chi^2/\text{NDF}$ : 12.7/11

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

Right Out: -19.135+/-58.233  $\chi^2/\text{NDF}$ : 15.5/11

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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

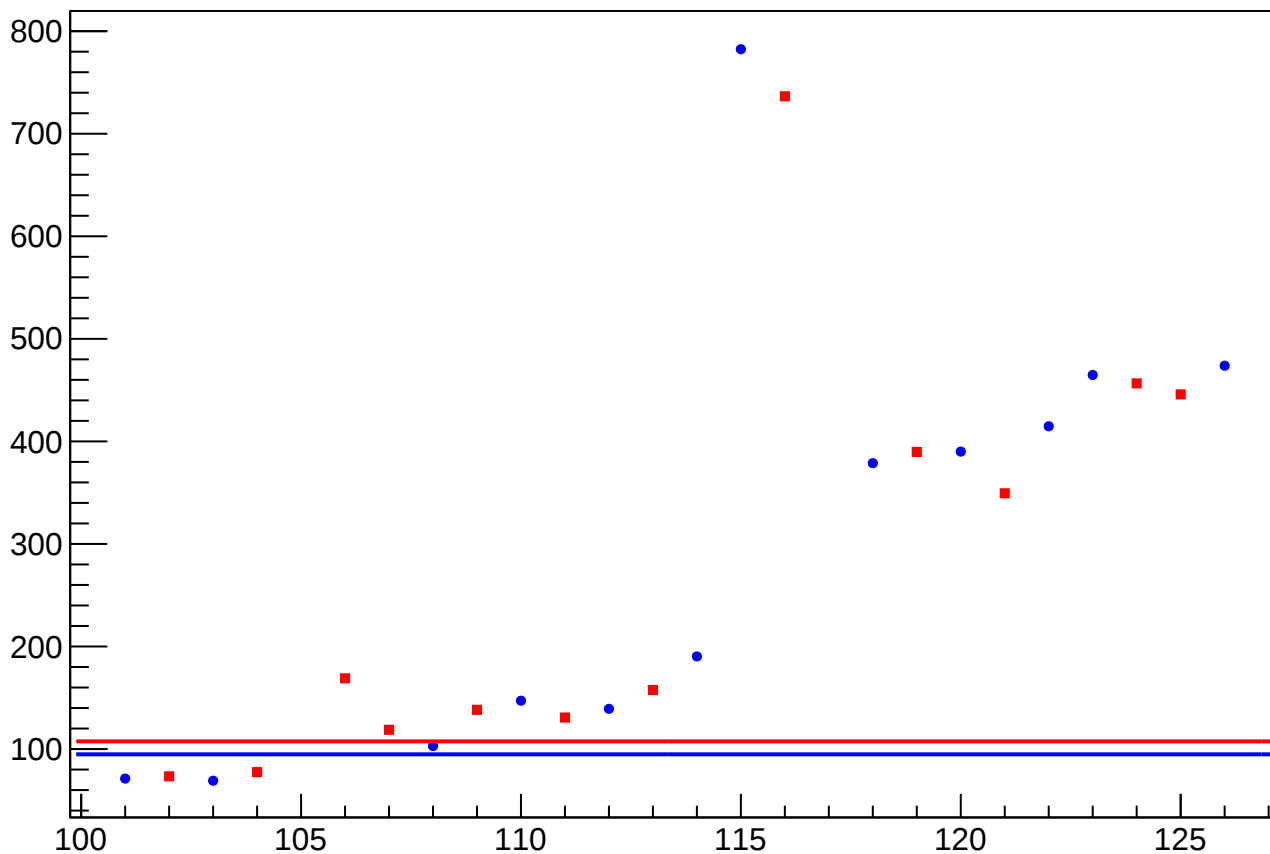
Right: -3.682+/-40.235  $\chi^2/\text{NDF}$ : 28.4/23

In: 10.433+/-55.656  $\chi^2/\text{NDF}$ : 12.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.682+/-40.235  $\chi^2/\text{NDF}$ : 28.4/23

asym\_sam\_15\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 94.860+/-0.039  $\chi^2/\text{NDF}$ : 2695618.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 107.503+/-0.041  $\chi^2/\text{NDF}$ : 2444049.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

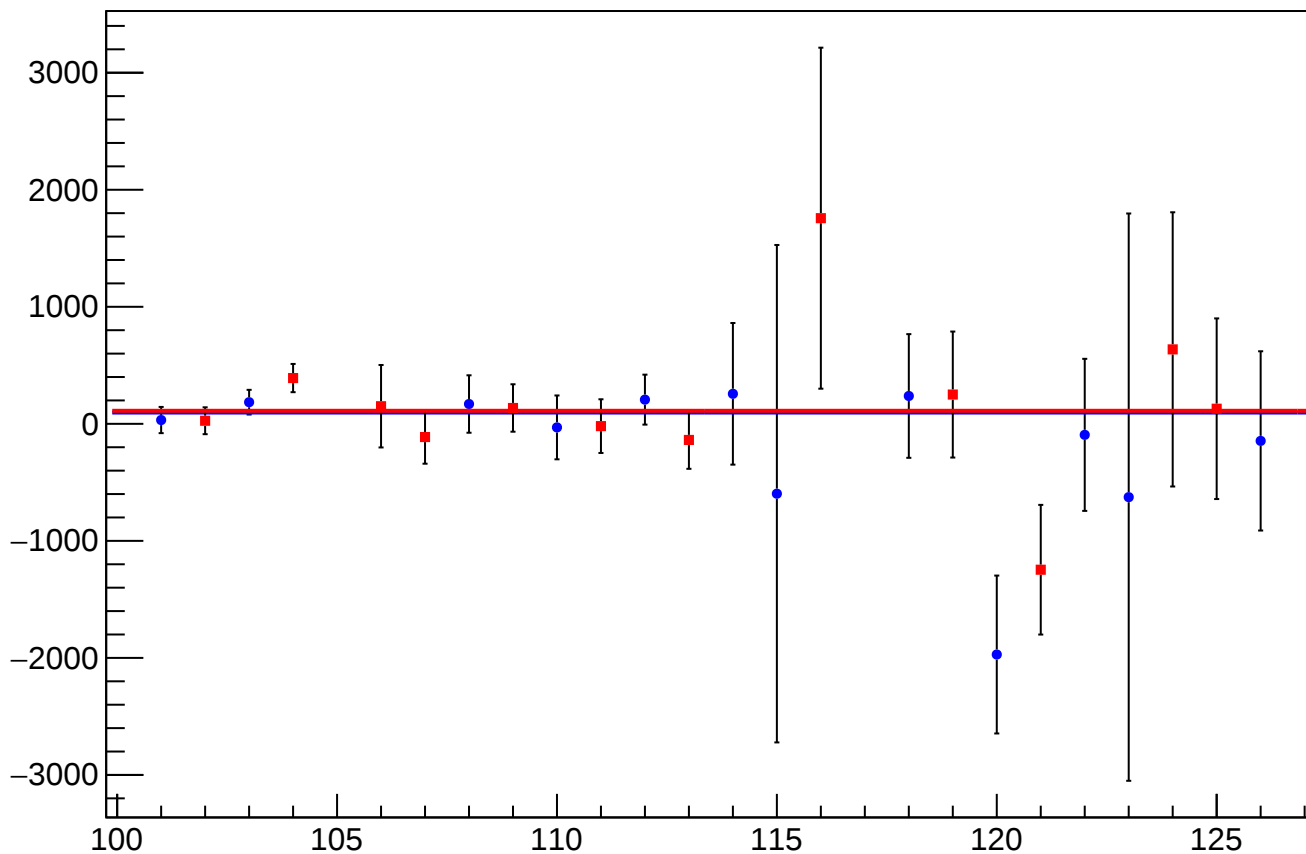
Right: 100.895+/-0.028  $\chi^2/\text{NDF}$ : 5188938.3/23

In: 94.860+/-0.039  $\chi^2/\text{NDF}$ : 2695618.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 100.895+/-0.028  $\chi^2/\text{NDF}$ : 5188938.3/23

# asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: 96.611+/-65.283  $\chi^2/\text{NDF}$ : 11.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 111.405+/-64.373  $\chi^2/\text{NDF}$ : 15.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

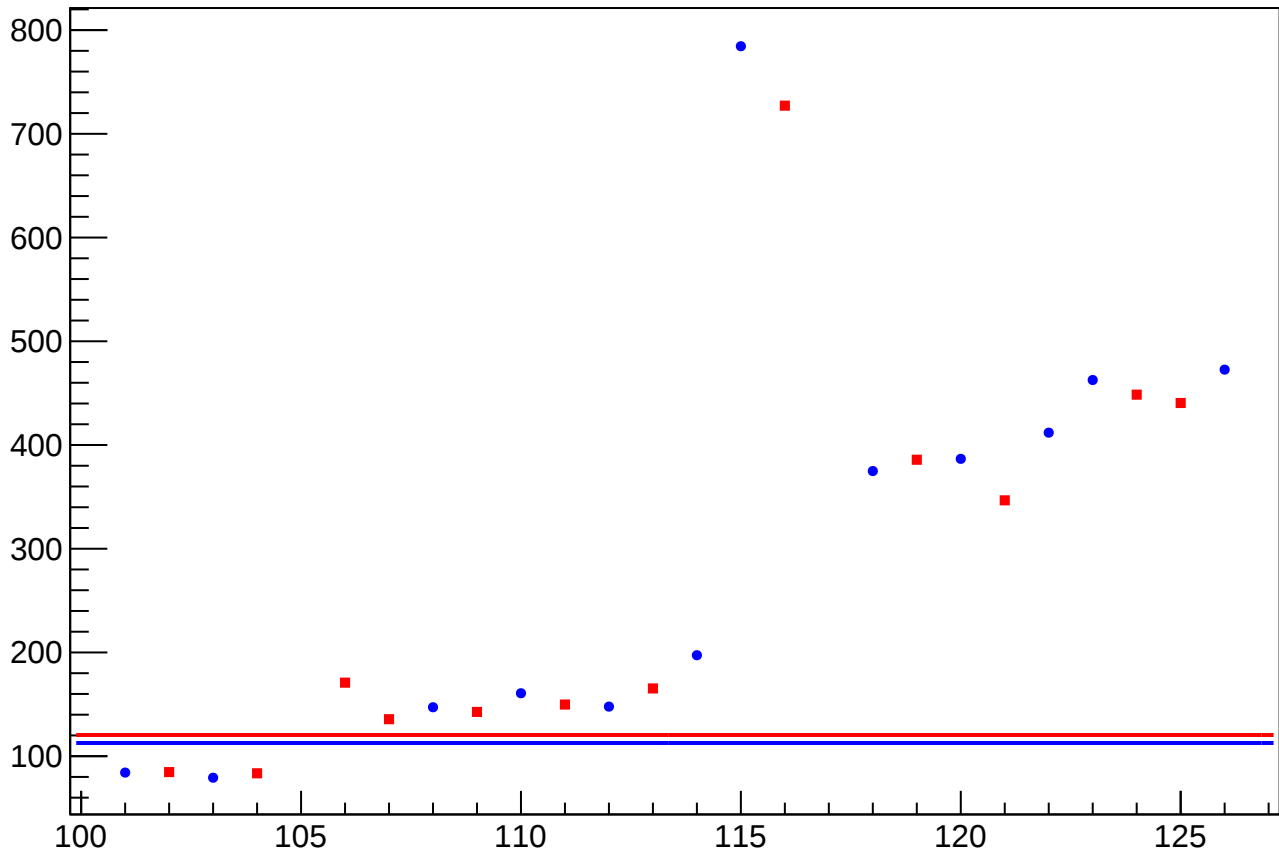
Right: 104.112+/-45.837  $\chi^2/\text{NDF}$ : 27.4/23

In: 96.611+/-65.283  $\chi^2/\text{NDF}$ : 11.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 104.112+/-45.837  $\chi^2/\text{NDF}$ : 27.4/23

# asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 112.736+/-0.046  $\chi^2/\text{NDF}$ : 2455469.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 120.426+/-0.046  $\chi^2/\text{NDF}$ : 222241.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

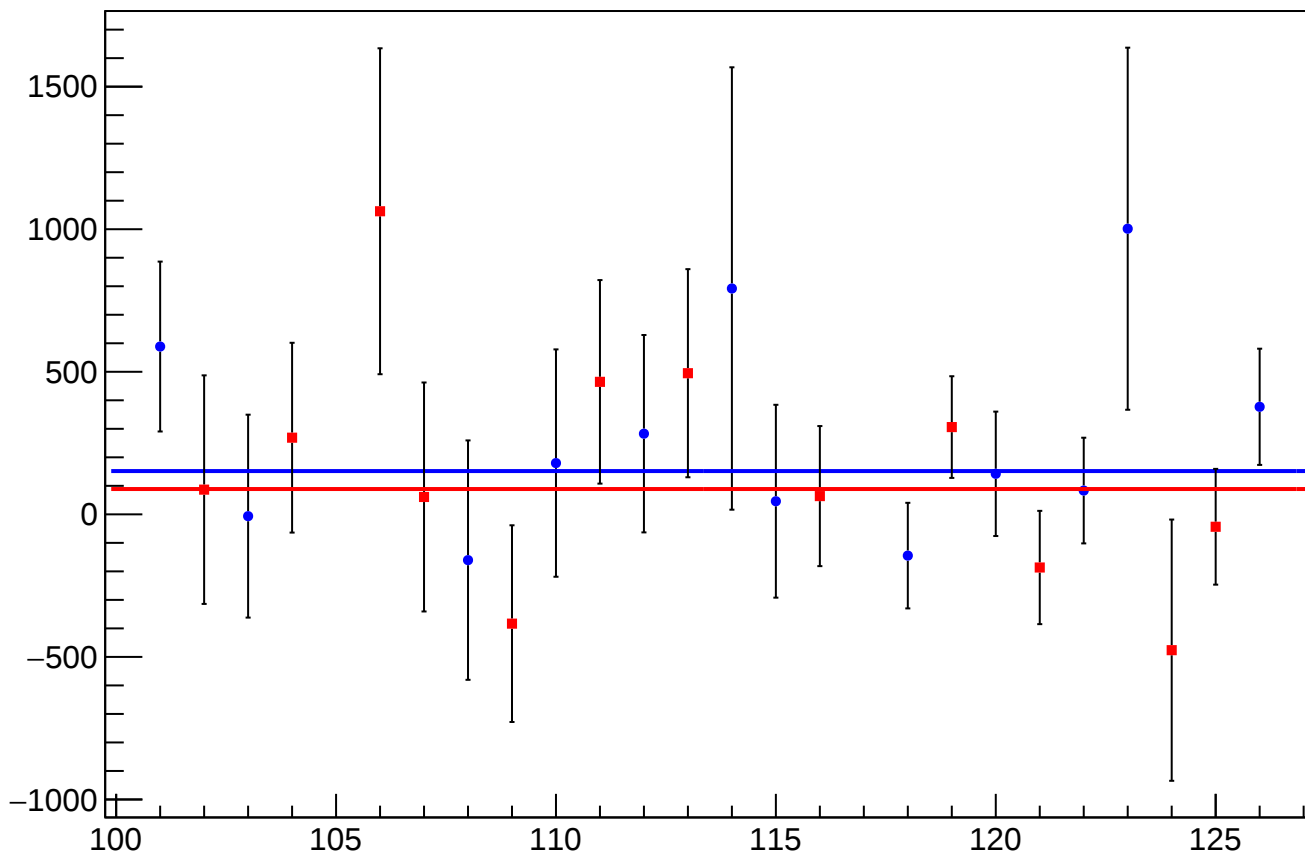
Right: 116.635+/-0.032  $\chi^2/\text{NDF}$ : 4691782.3/23

In: 112.736+/-0.046  $\chi^2/\text{NDF}$ : 2455469.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 116.635+/-0.032  $\chi^2/\text{NDF}$ : 4691782.3/23

dit\_asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In: 151.810 $\pm$ 80.131  $\chi^2$ /NDF: 9.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 88.806 $\pm$ 81.469  $\chi^2$ /NDF: 12.8/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

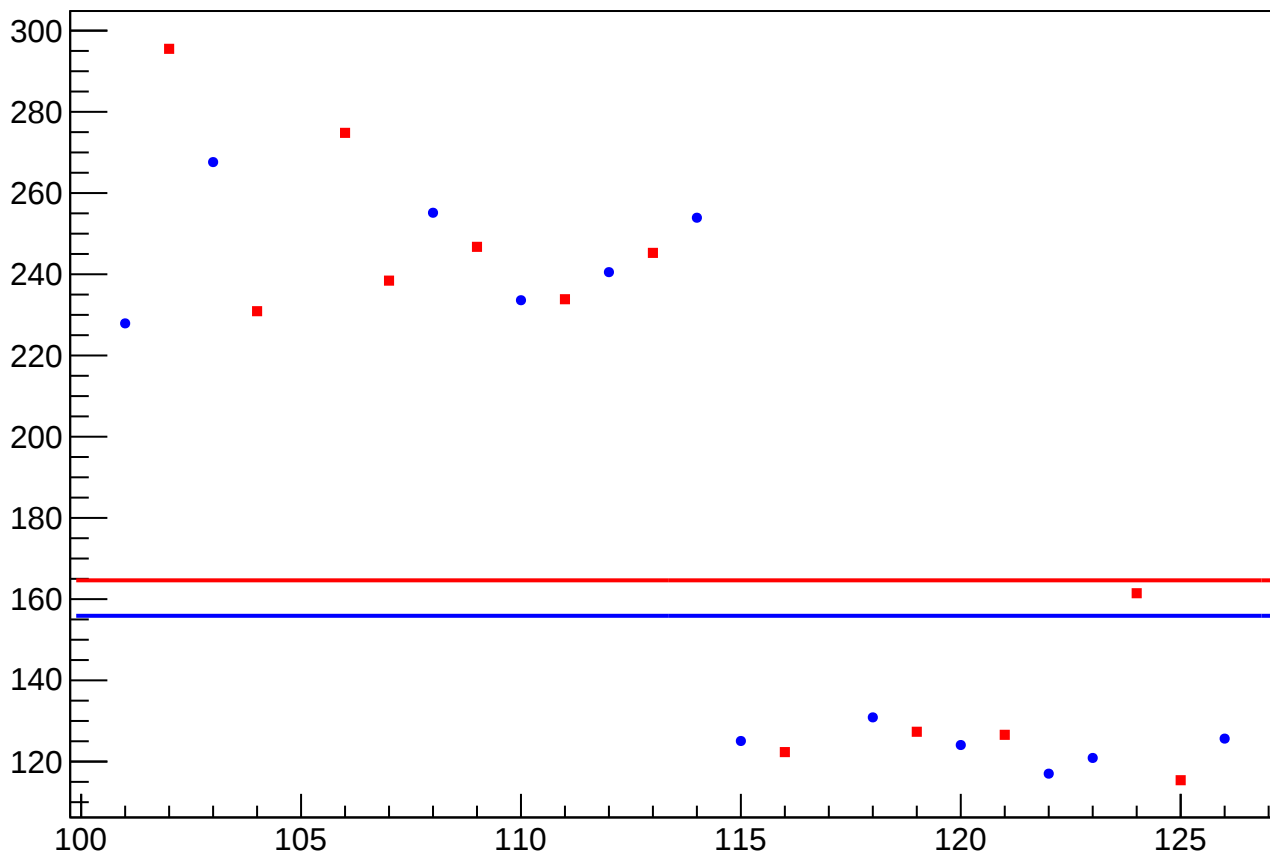
Right: 120.829 $\pm$ 57.128  $\chi^2$ /NDF: 22.6/23

In: 151.810 $\pm$ 80.131  $\chi^2$ /NDF:9.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 120.829 $\pm$ 57.128  $\chi^2$ /NDF: 22.6/23

dit\_asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 155.897+/-0.057  $\chi^2/\text{NDF}$ : 887094.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 164.630+/-0.058  $\chi^2/\text{NDF}$ : 1058503.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

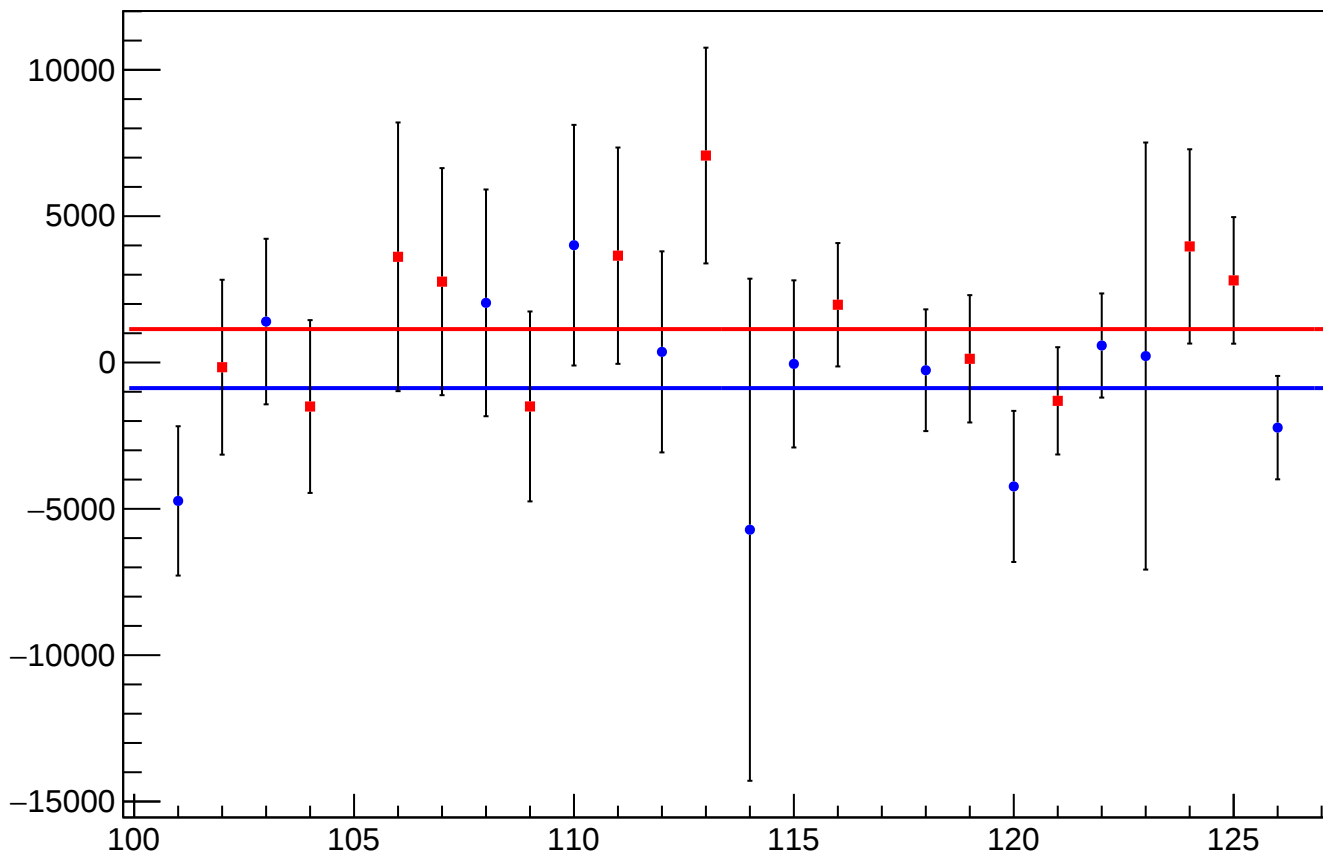
Right: 160.191+/-0.040  $\chi^2/\text{NDF}$ : 1957278.7/23

In: 155.897+/-0.057  $\chi^2/\text{NDF}$ : 887094.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 160.191+/-0.040  $\chi^2/\text{NDF}$ : 1957278.7/23

asym\_sam\_26\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -874.623+/-775.753  $\chi^2/\text{NDF}$ : 8.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1141.528+/-785.388  $\chi^2/\text{NDF}$ : 8.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

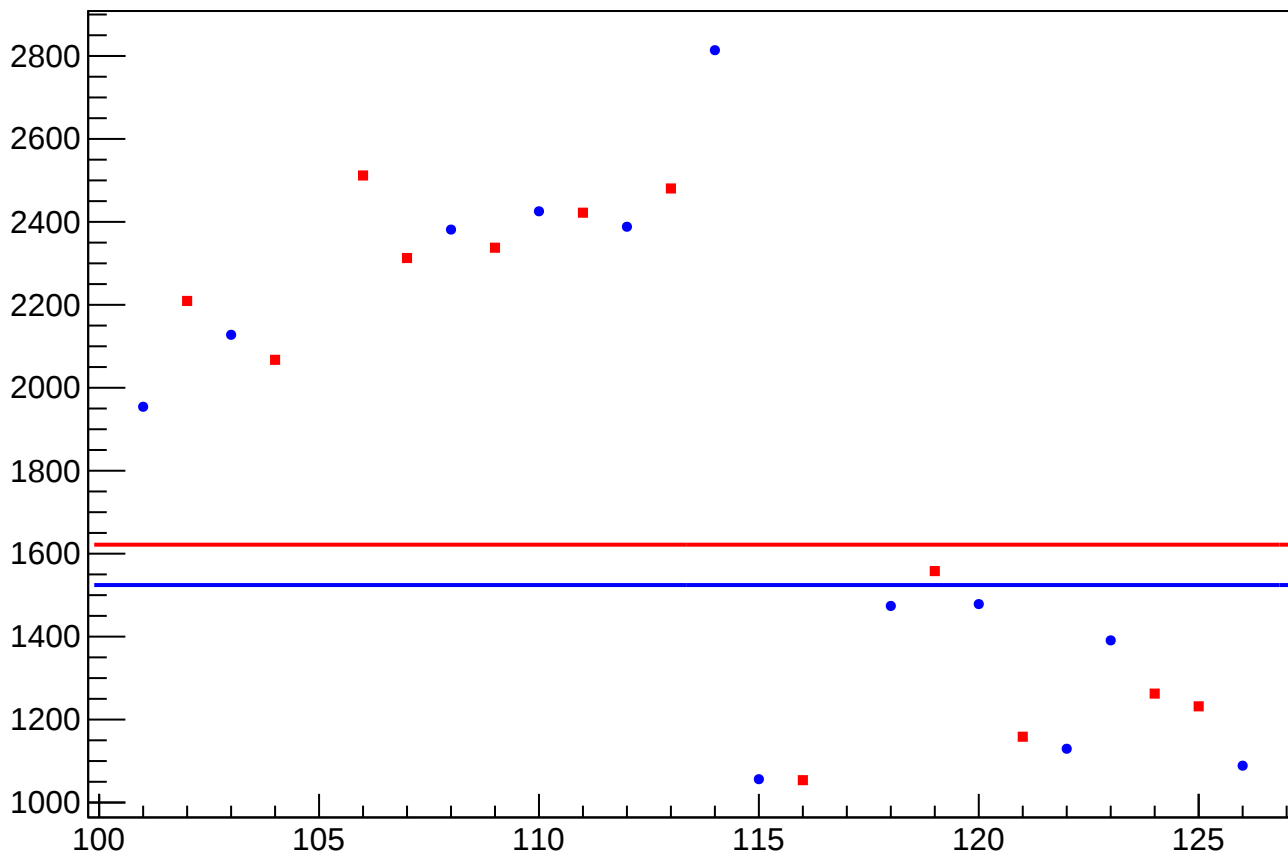
Right: 121.011+/-551.915  $\chi^2/\text{NDF}$ : 20.5/23

In: -874.623+/-775.753  $\chi^2/\text{NDF}$ : 8.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 121.011+/-551.915  $\chi^2/\text{NDF}$ : 20.5/23

asym\_sam\_26\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1524.356+/-0.549  $\chi^2/\text{NDF}$ : 789705.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1621.674+/-0.555  $\chi^2/\text{NDF}$ : 924401.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

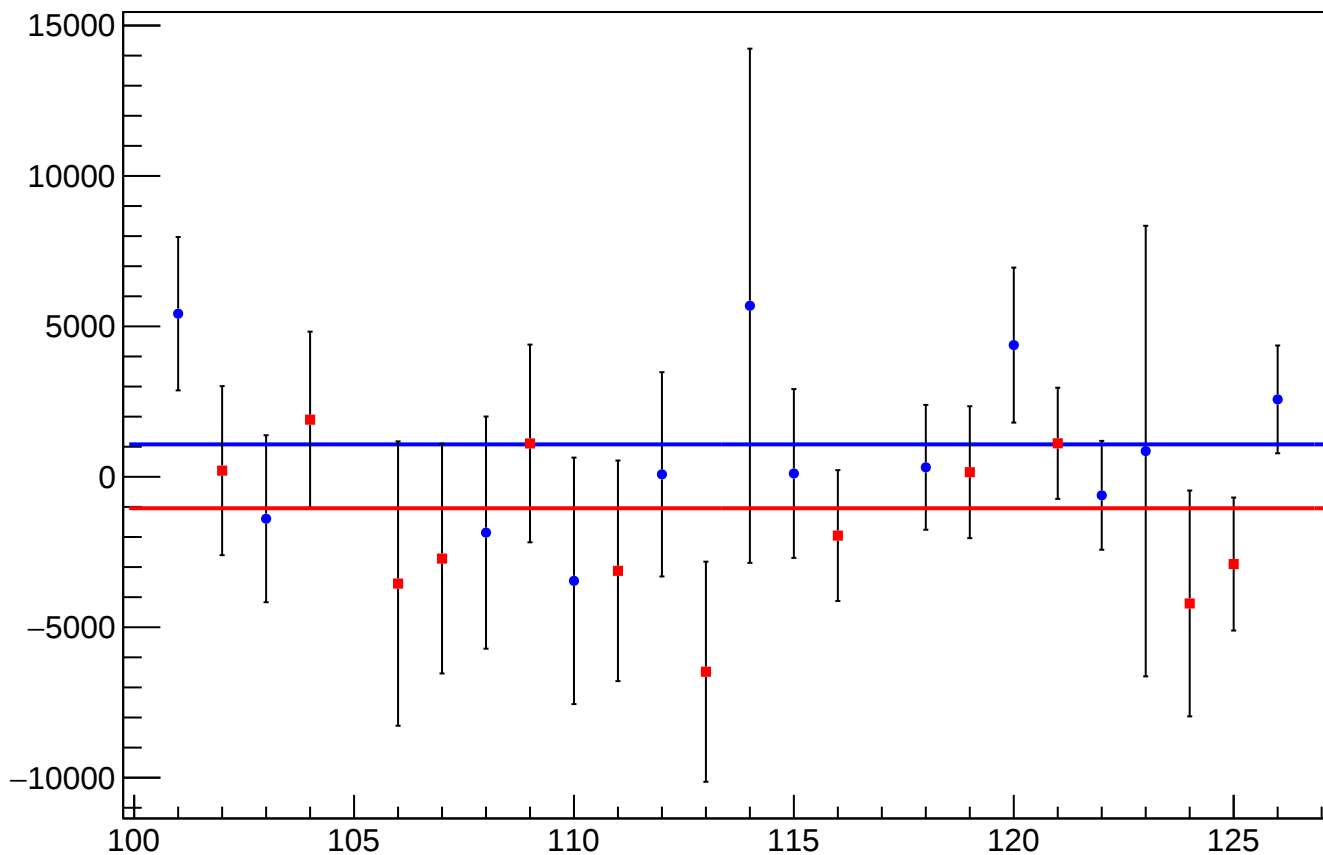
Right: 1572.414+/-0.390  $\chi^2/\text{NDF}$ : 1729650.2/23

In: 1524.356+/-0.549  $\chi^2/\text{NDF}$ : 789705.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1572.414+/-0.390  $\chi^2/\text{NDF}$ : 1729650.2/23

asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In: 1078.035 $\pm$ 777.047  $\chi^2$ /NDF: 9.3/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1044.539 $\pm$ 793.799  $\chi^2$ /NDF: 7.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

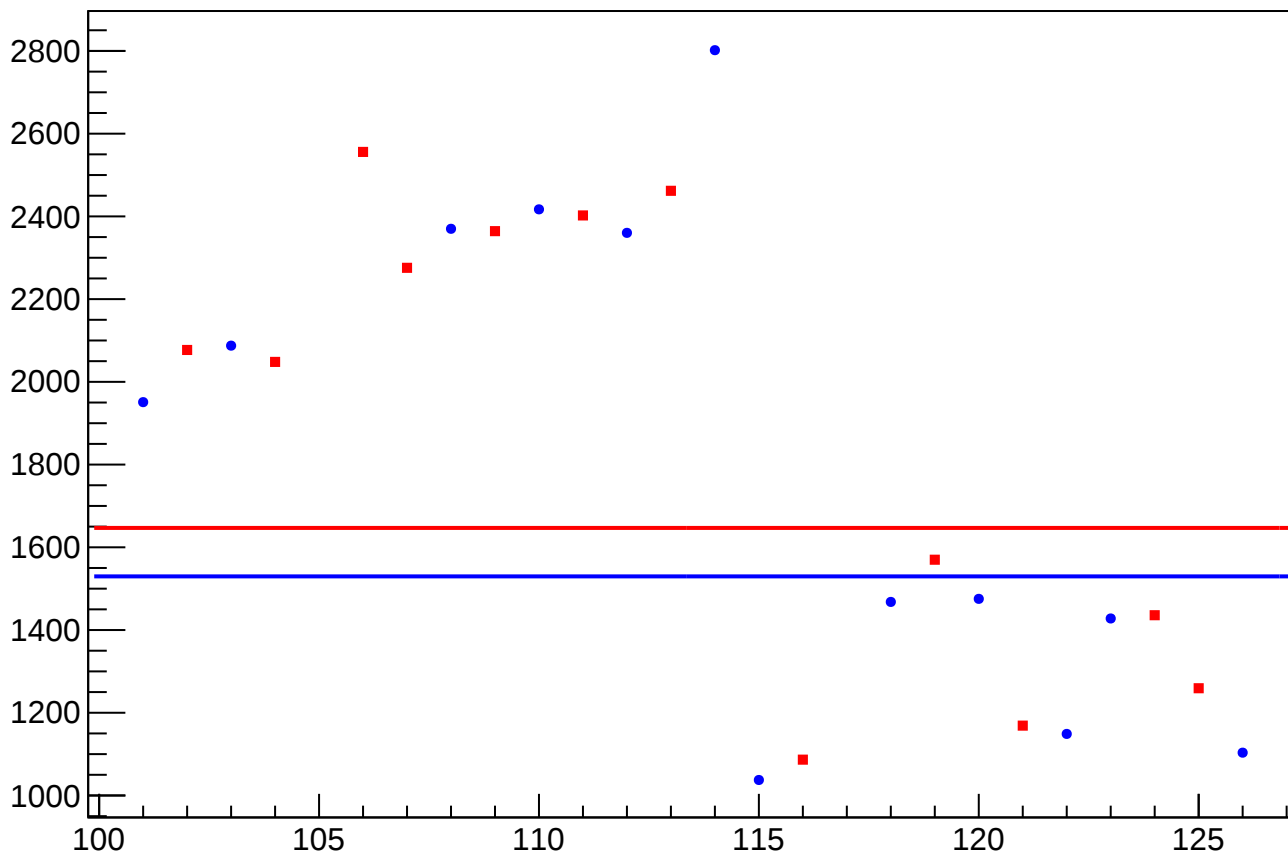
Right: 39.381 $\pm$ 555.283  $\chi^2$ /NDF: 20.9/23

In: 1078.035 $\pm$ 777.047  $\chi^2$ /NDF: 9.3/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 39.381 $\pm$ 555.283  $\chi^2$ /NDF: 20.9/23

# asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 1529.694+/-0.549  $\chi^2/\text{NDF}$ : 754678.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1646.852+/-0.561  $\chi^2/\text{NDF}$ : 829317.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

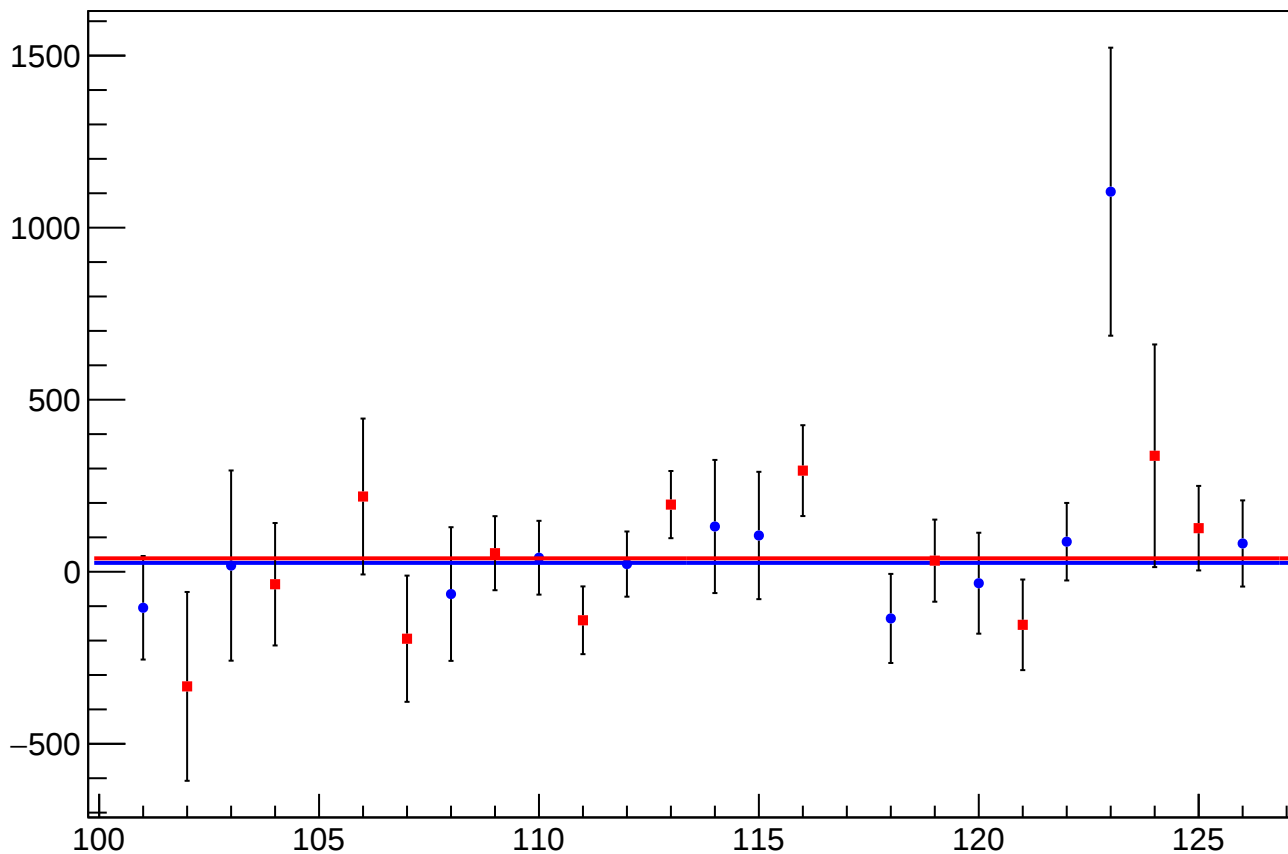
Right: 1587.024+/-0.393  $\chi^2/\text{NDF}$ : 1606244.3/23

In: 1529.694+/-0.549  $\chi^2/\text{NDF}$ : 754678.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1587.024+/-0.393  $\chi^2/\text{NDF}$ : 1606244.3/23

dit\_asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In: 25.847 $\pm$ 41.082  $\chi^2$ /NDF: 10.3/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 39.022 $\pm$ 39.232  $\chi^2$ /NDF: 17.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

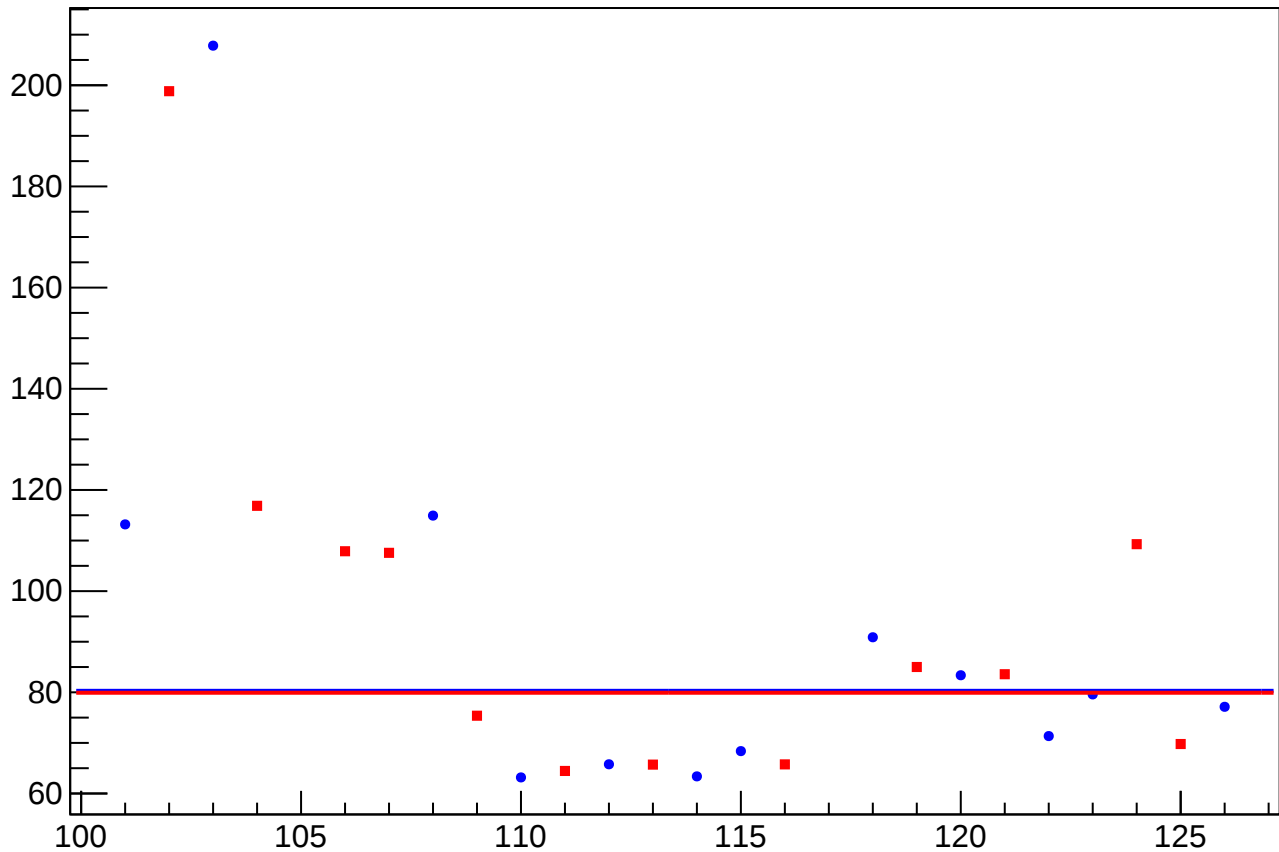
Right: 32.738 $\pm$ 28.373  $\chi^2$ /NDF: 27.8/23

In: 25.847 $\pm$ 41.082  $\chi^2$ /NDF:10.3/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 32.738 $\pm$ 28.373  $\chi^2$ /NDF: 27.8/23

dit\_asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 80.295+/-0.029  $\chi^2/\text{NDF}$ : 734705.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 79.917+/-0.028  $\chi^2/\text{NDF}$ : 691327.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

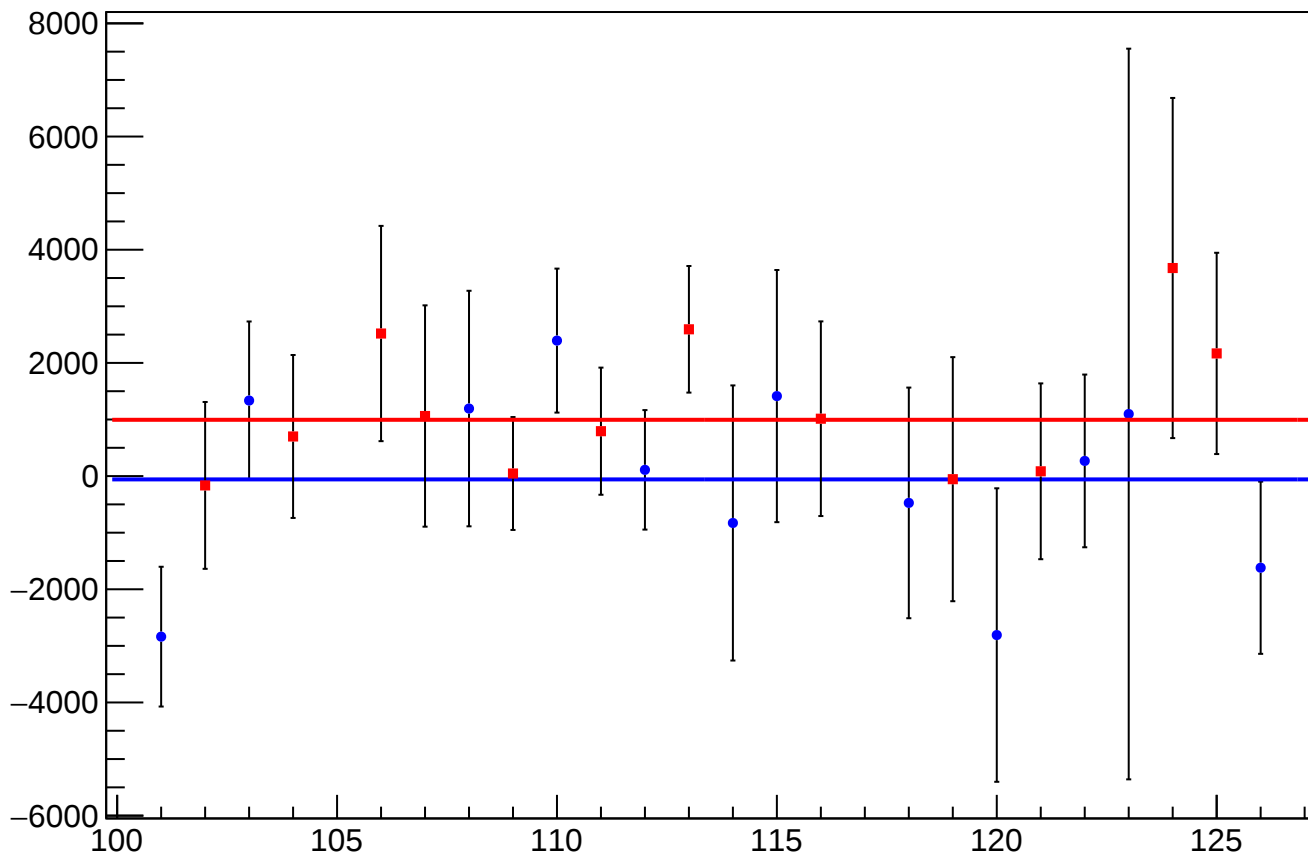
Right: 80.097+/-0.020  $\chi^2/\text{NDF}$ : 1426122.4/23

In: 80.295+/-0.029  $\chi^2/\text{NDF}$ :734705.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 80.097+/-0.020  $\chi^2/\text{NDF}$ : 1426122.4/23

asym\_sam\_37\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -58.468 +/- 468.306  $\chi^2/\text{NDF}$ : 13.0/11

Left Out: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 994.760 +/- 427.485  $\chi^2/\text{NDF}$ : 6.1/11

Left In: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

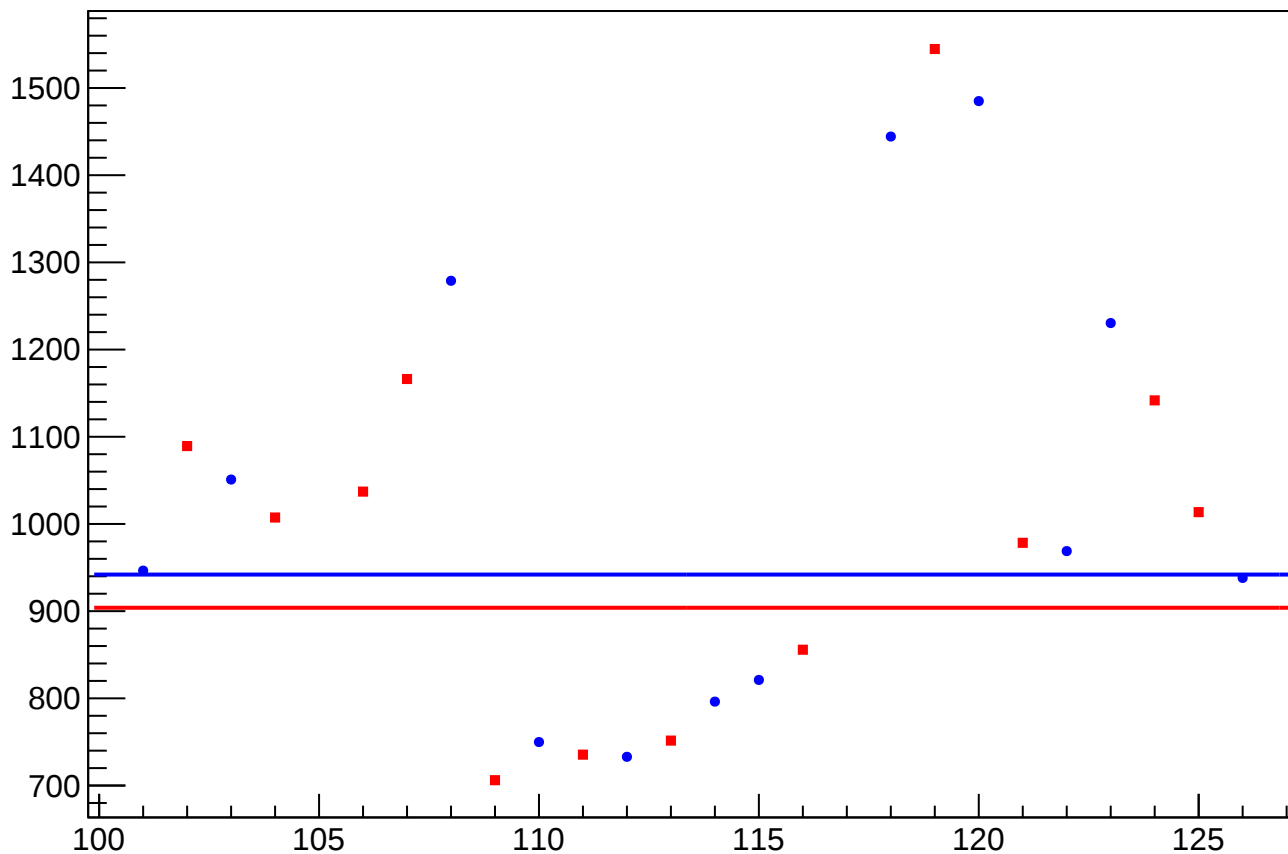
Right: 516.042 +/- 315.725  $\chi^2/\text{NDF}$ : 21.9/23

In: -58.468 +/- 468.306  $\chi^2/\text{NDF}$ : 13.0/11

Out: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 516.042 +/- 315.725  $\chi^2/\text{NDF}$ : 21.9/23

asym\_sam\_37\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 941.956+/-0.331  $\chi^2/\text{NDF}$ : 415566.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 903.915+/-0.302  $\chi^2/\text{NDF}$ : 451422.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

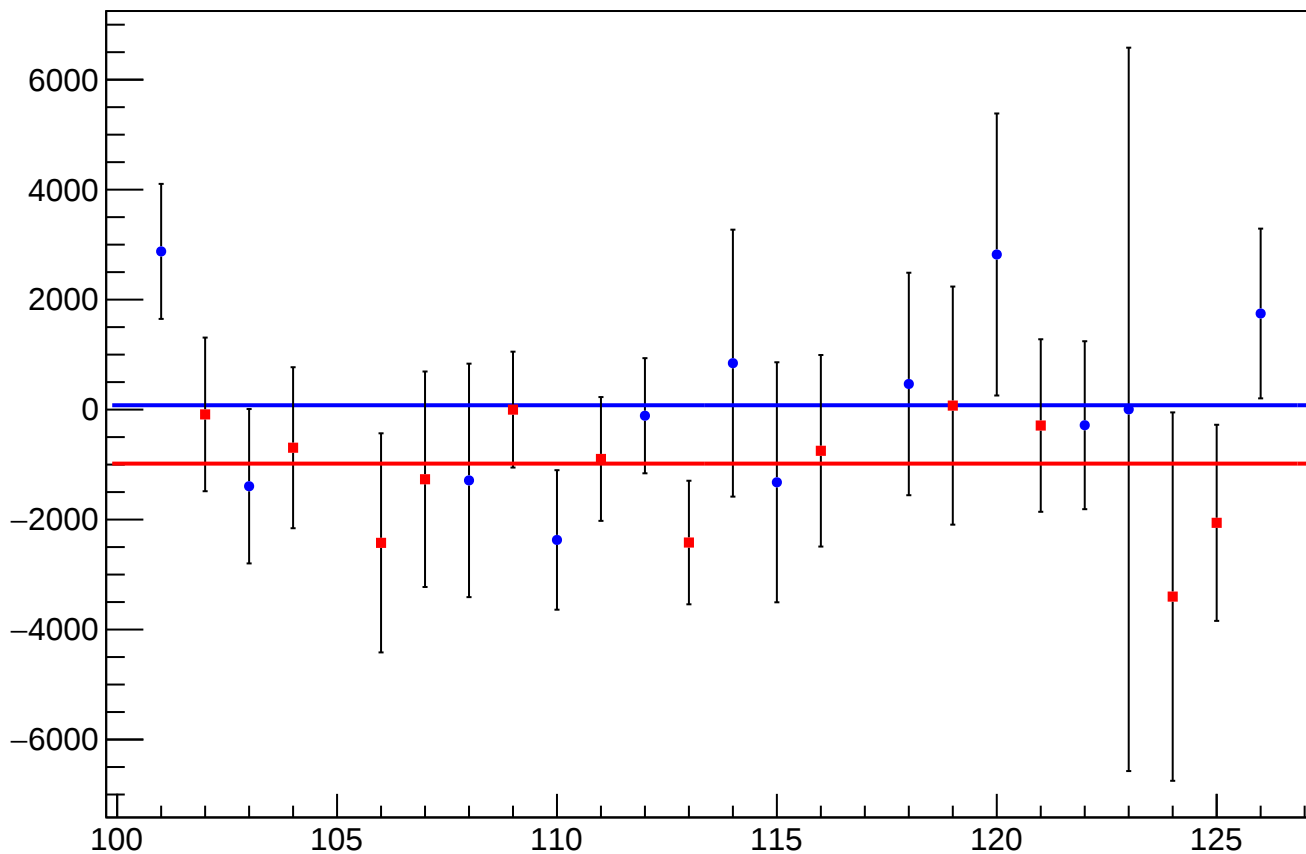
Right: 921.206+/-0.223  $\chi^2/\text{NDF}$ : 874187.1/23

In: 941.956+/-0.331  $\chi^2/\text{NDF}$ : 415566.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 921.206+/-0.223  $\chi^2/\text{NDF}$ : 874187.1/23

# asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In: 79.215+/-467.590  $\chi^2/\text{NDF}$ : 13.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -982.267+/-433.317  $\chi^2/\text{NDF}$ : 4.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

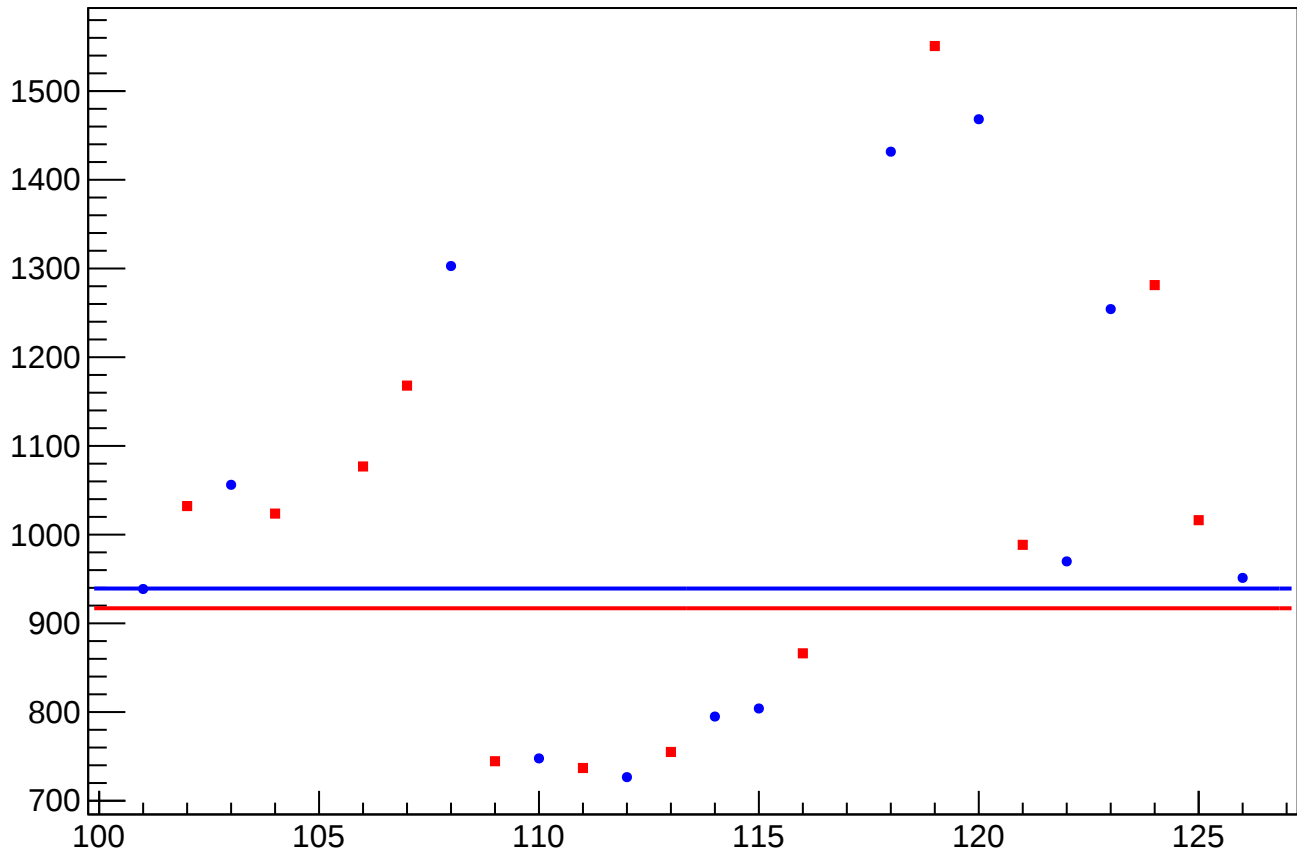
Right: -491.850+/-317.828  $\chi^2/\text{NDF}$ : 21.0/23

In: 79.215+/-467.590  $\chi^2/\text{NDF}$ : 13.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -491.850+/-317.828  $\chi^2/\text{NDF}$ : 21.0/23

# asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 939.257+/-0.331  $\chi^2/\text{NDF}$ : 424419.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 916.999+/-0.306  $\chi^2/\text{NDF}$ : 423302.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

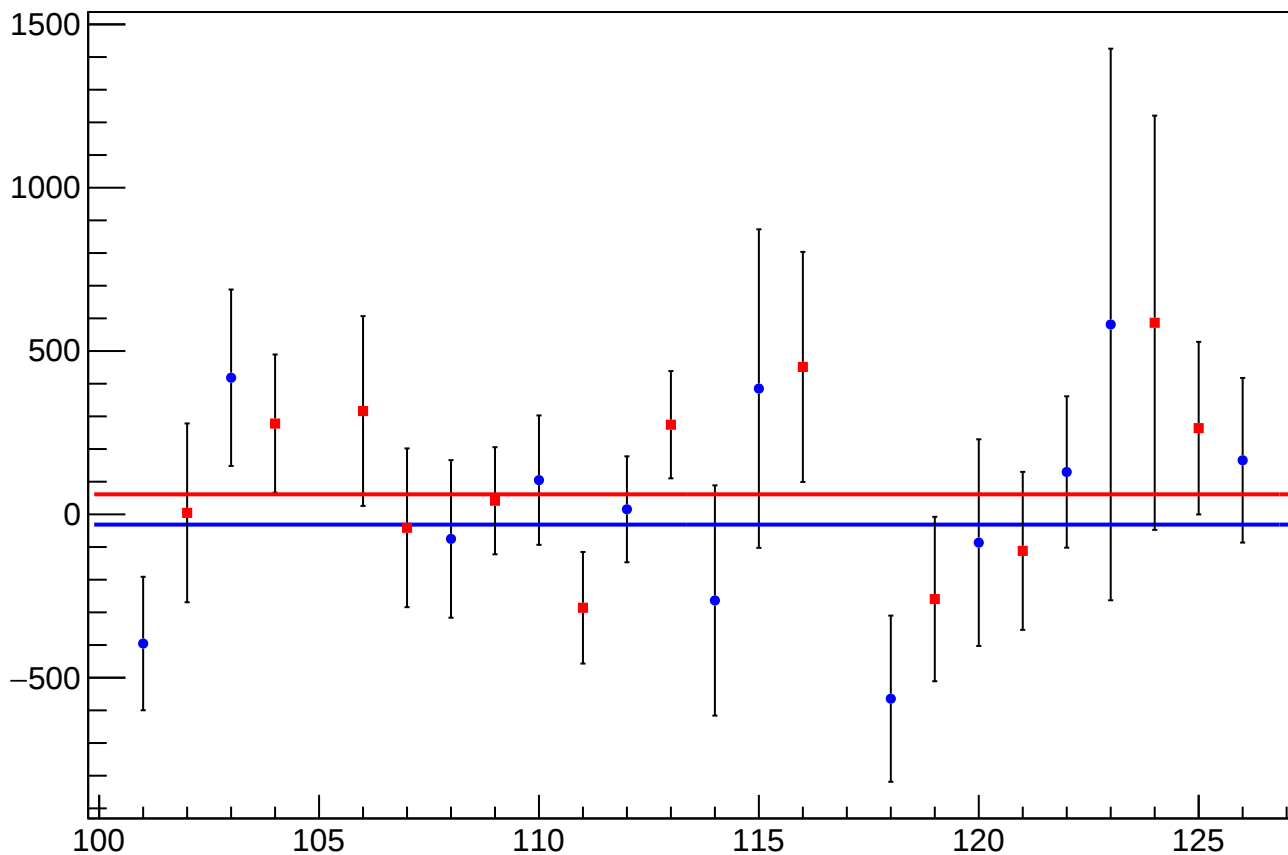
Right: 927.282+/-0.225  $\chi^2/\text{NDF}$ : 850159.9/23

In: 939.257+/-0.331  $\chi^2/\text{NDF}$ : 424419.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 927.282+/-0.225  $\chi^2/\text{NDF}$ : 850159.9/23

dit\_asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In: -31.365+/-72.197  $\chi^2/\text{NDF}$ : 13.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 61.331+/-65.816  $\chi^2/\text{NDF}$ : 12.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

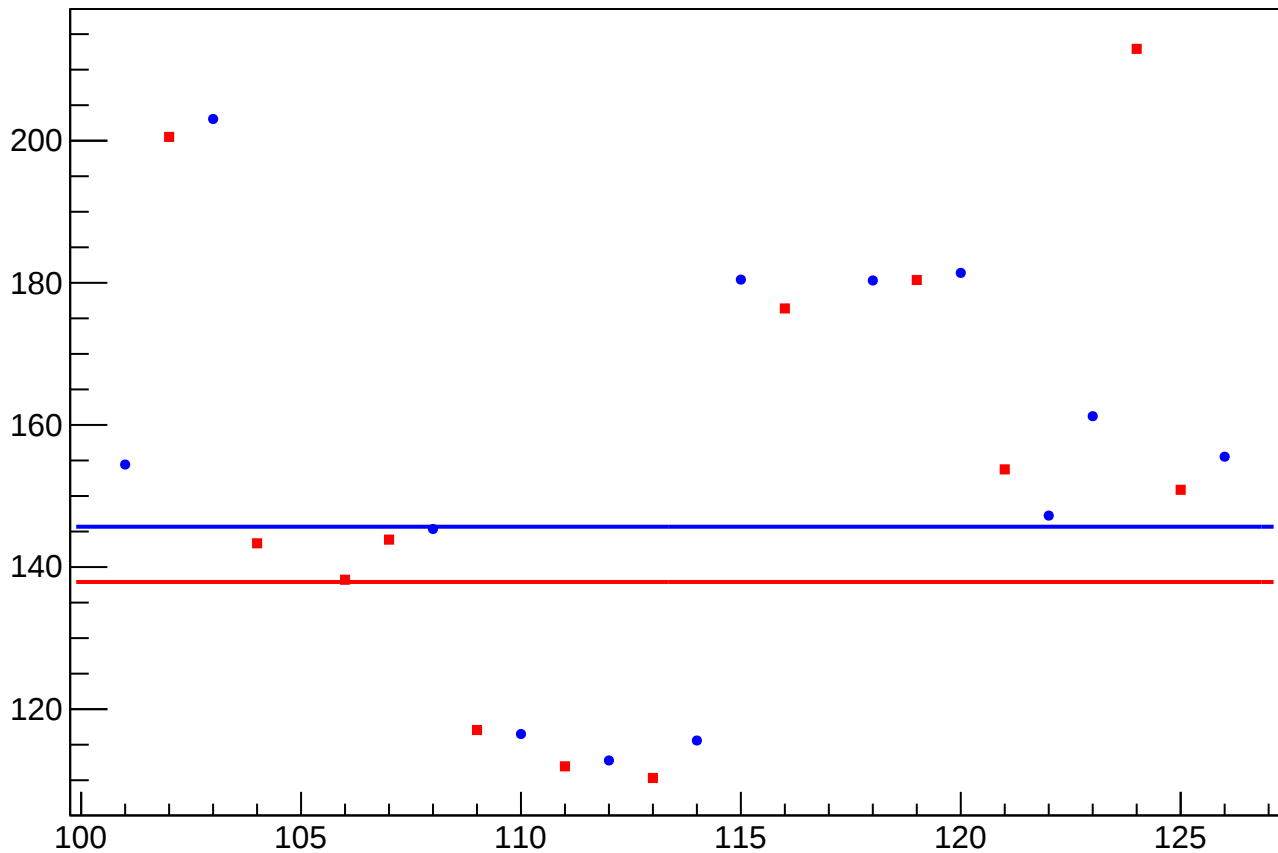
Right: 19.259+/-48.639  $\chi^2/\text{NDF}$ : 27.1/23

In: -31.365+/-72.197  $\chi^2/\text{NDF}$ : 13.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 19.259+/-48.639  $\chi^2/\text{NDF}$ : 27.1/23

dit\_asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 145.678+/-0.051  $\chi^2/\text{NDF}$ : 310807.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 137.902+/-0.047  $\chi^2/\text{NDF}$ : 364522.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

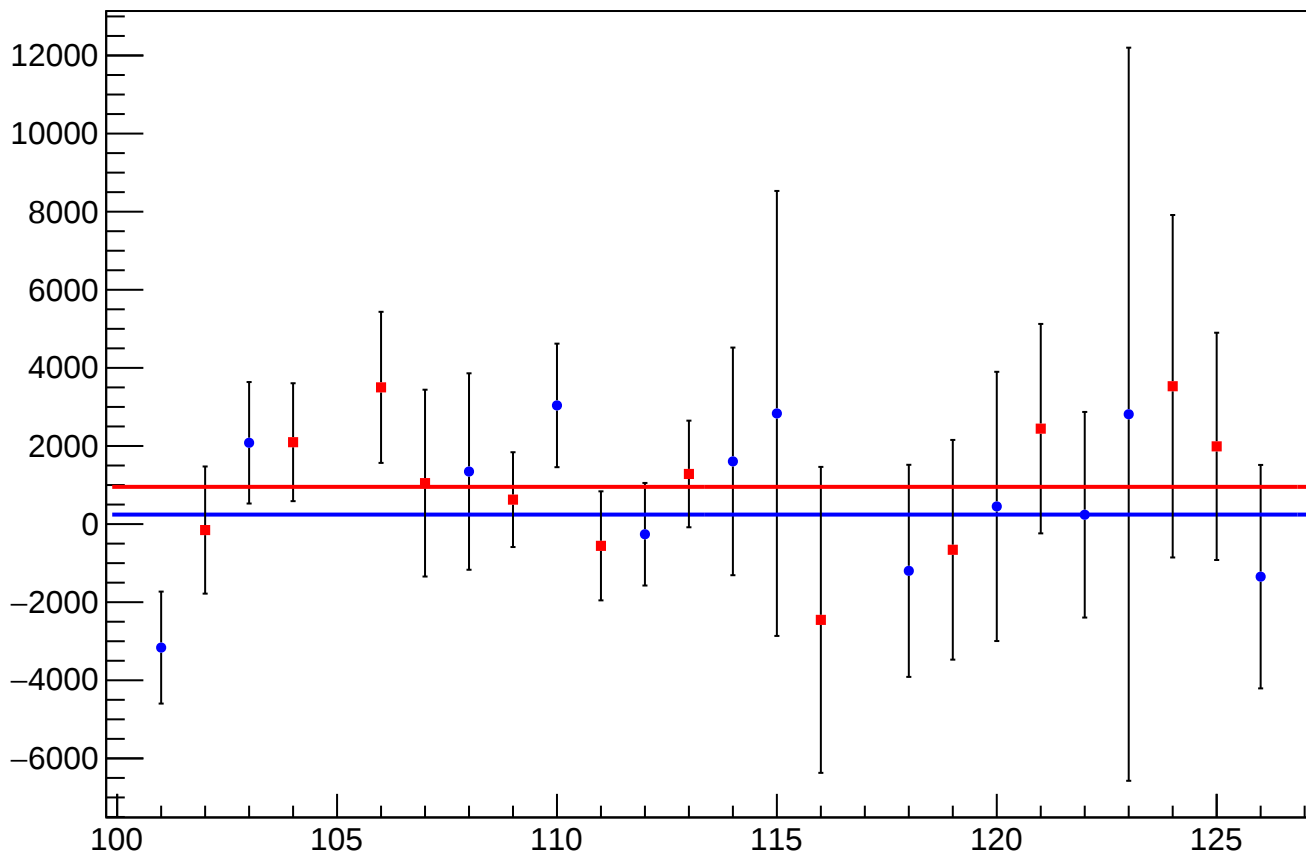
Right: 141.431+/-0.034  $\chi^2/\text{NDF}$ : 688000.9/23

In: 145.678+/-0.051  $\chi^2/\text{NDF}$ : 310807.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 141.431+/-0.034  $\chi^2/\text{NDF}$ : 688000.9/23

asym\_sam\_48\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 243.310+/-610.467  $\chi^2/\text{NDF}$ : 11.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 953.478+/-535.525  $\chi^2/\text{NDF}$ : 5.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

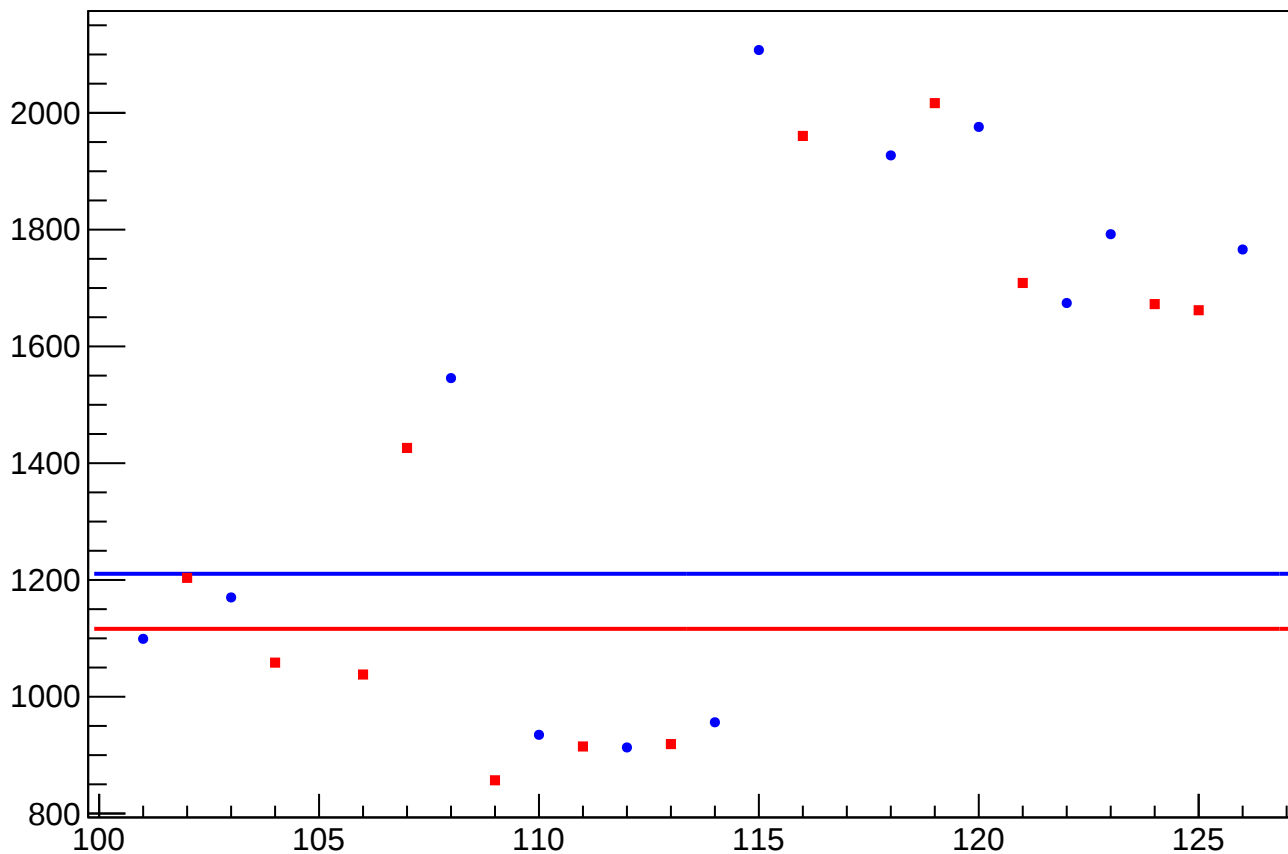
Right: 644.638+/-402.577  $\chi^2/\text{NDF}$ : 18.3/23

In: 243.310+/-610.467  $\chi^2/\text{NDF}$ : 11.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 644.638+/-402.577  $\chi^2/\text{NDF}$ : 18.3/23

asym\_sam\_48\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1210.581+/-0.432  $\chi^2/\text{NDF}$ : 660102.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1116.301+/-0.379  $\chi^2/\text{NDF}$ : 718146.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

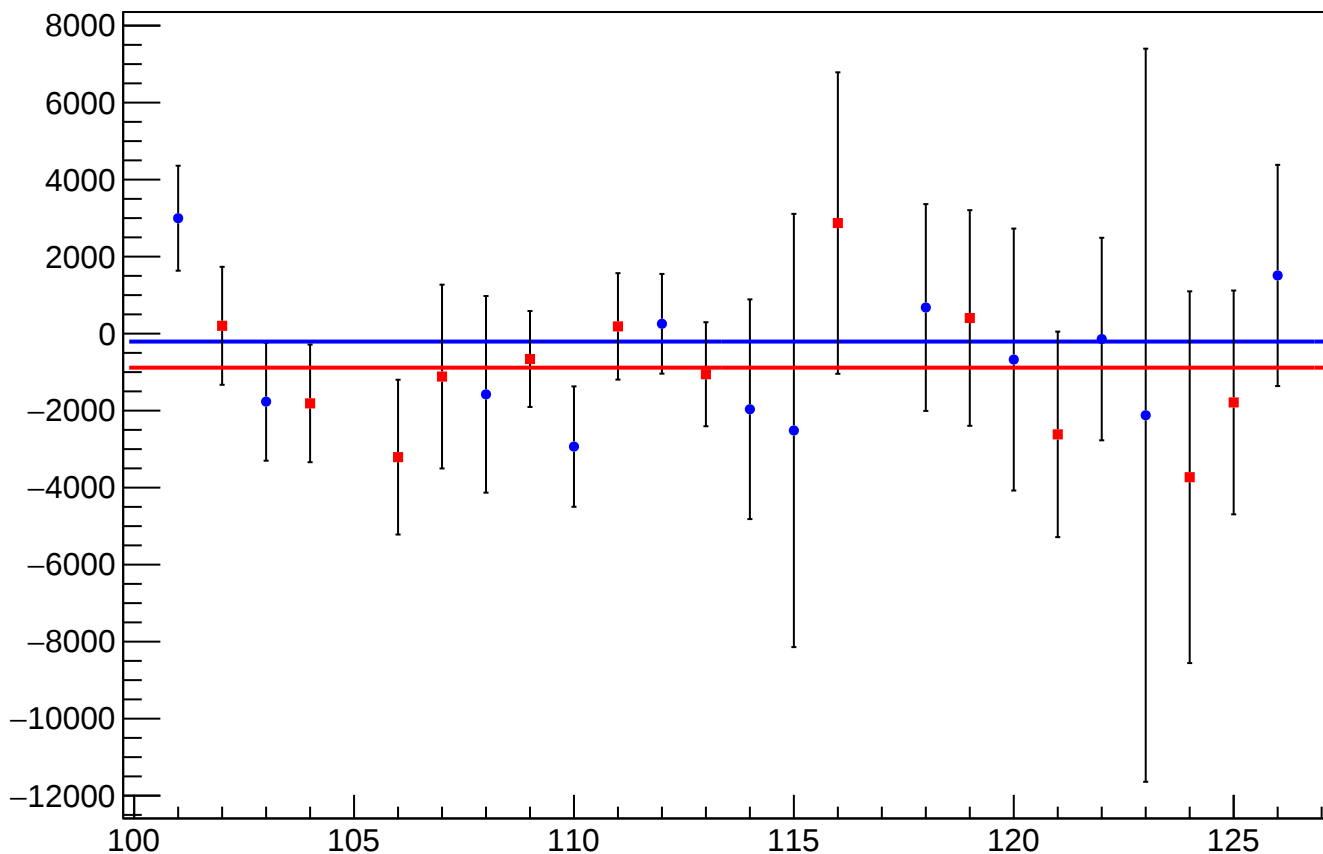
Right: 1157.302+/-0.285  $\chi^2/\text{NDF}$ : 1405206.4/23

In: 1210.581+/-0.432  $\chi^2/\text{NDF}$ : 660102.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1157.302+/-0.285  $\chi^2/\text{NDF}$ : 1405206.4/23

asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In: -206.367+/-599.973  $\chi^2/\text{NDF}$ : 11.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -884.085+/-535.466  $\chi^2/\text{NDF}$ : 4.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

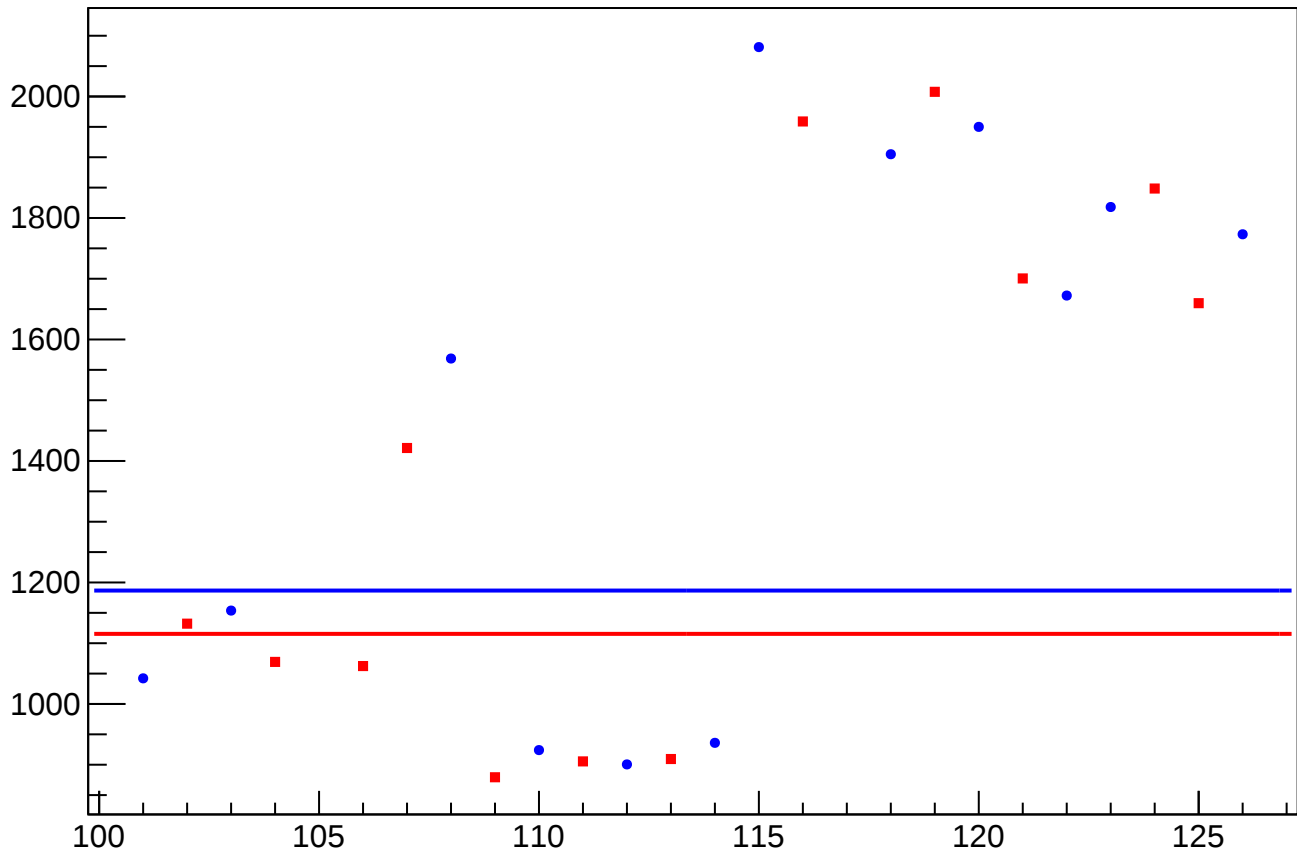
Right: -583.605+/-399.498  $\chi^2/\text{NDF}$ : 16.7/23

In: -206.367+/-599.973  $\chi^2/\text{NDF}$ : 11.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -583.605+/-399.498  $\chi^2/\text{NDF}$ : 16.7/23

# asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 1186.696+/-0.424  $\chi^2/\text{NDF}$ : 692349.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1115.396+/-0.379  $\chi^2/\text{NDF}$ : 709022.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

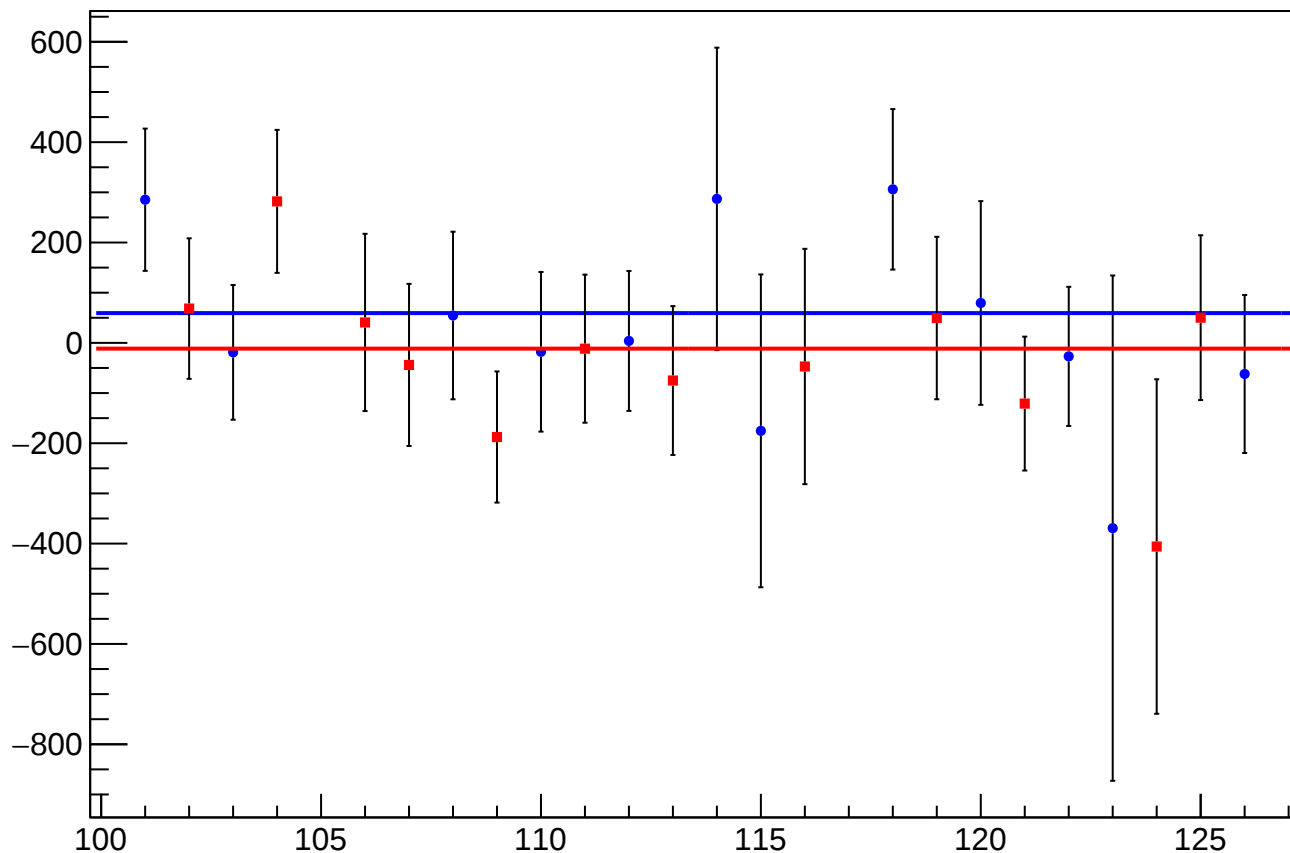
Right: 1147.009+/-0.282  $\chi^2/\text{NDF}$ : 1417094.2/23

In: 1186.696+/-0.424  $\chi^2/\text{NDF}$ : 692349.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1147.009+/-0.282  $\chi^2/\text{NDF}$ : 1417094.2/23

# dit\_asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In: 59.320 $\pm$ 49.205  $\chi^2$ /NDF: 8.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -11.464 $\pm$ 45.682  $\chi^2$ /NDF: 9.1/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

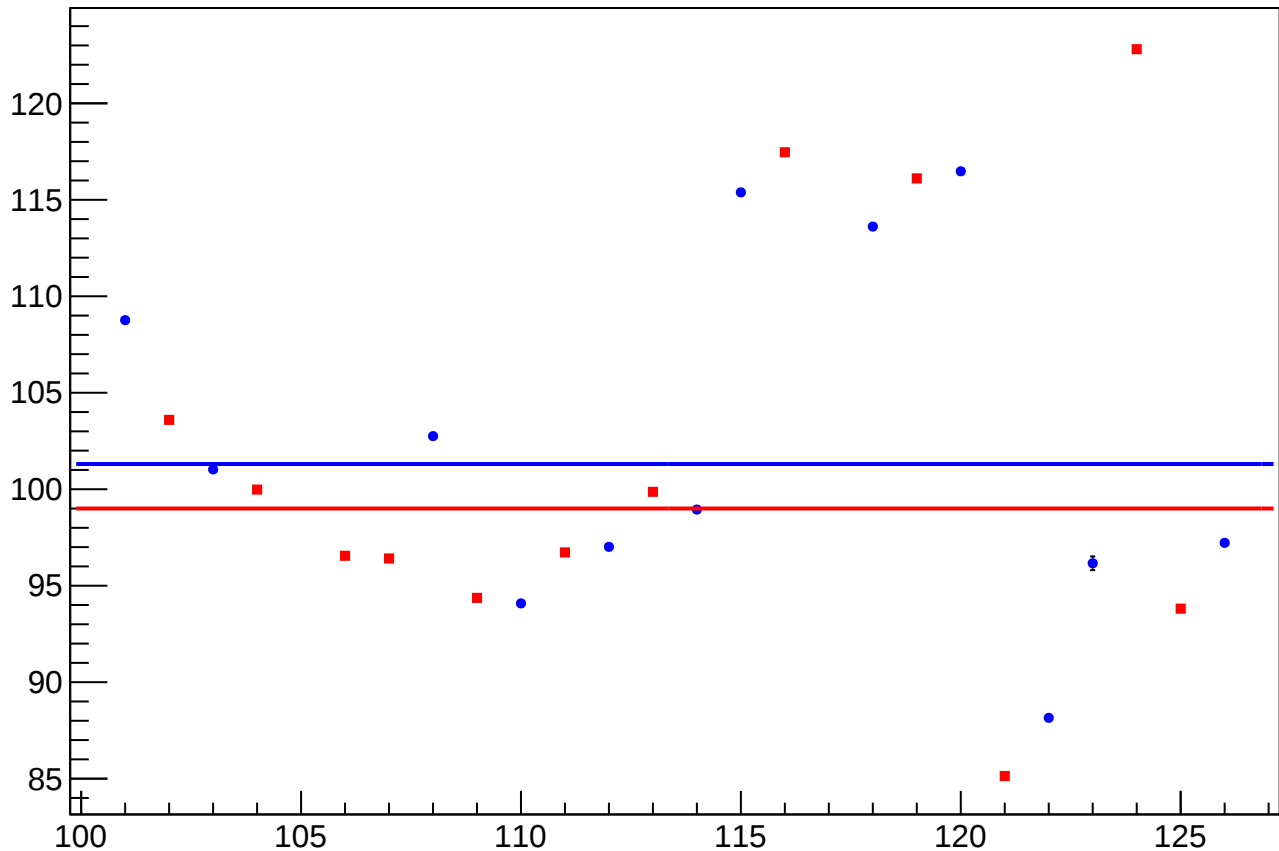
Right: 21.304 $\pm$ 33.478  $\chi^2$ /NDF: 18.7/23

In: 59.320 $\pm$ 49.205  $\chi^2$ /NDF:8.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 21.304 $\pm$ 33.478  $\chi^2$ /NDF: 18.7/23

dit\_asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 101.307+/-0.035  $\chi^2/\text{NDF}$ : 58488.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 99.001+/-0.032  $\chi^2/\text{NDF}$ : 74733.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

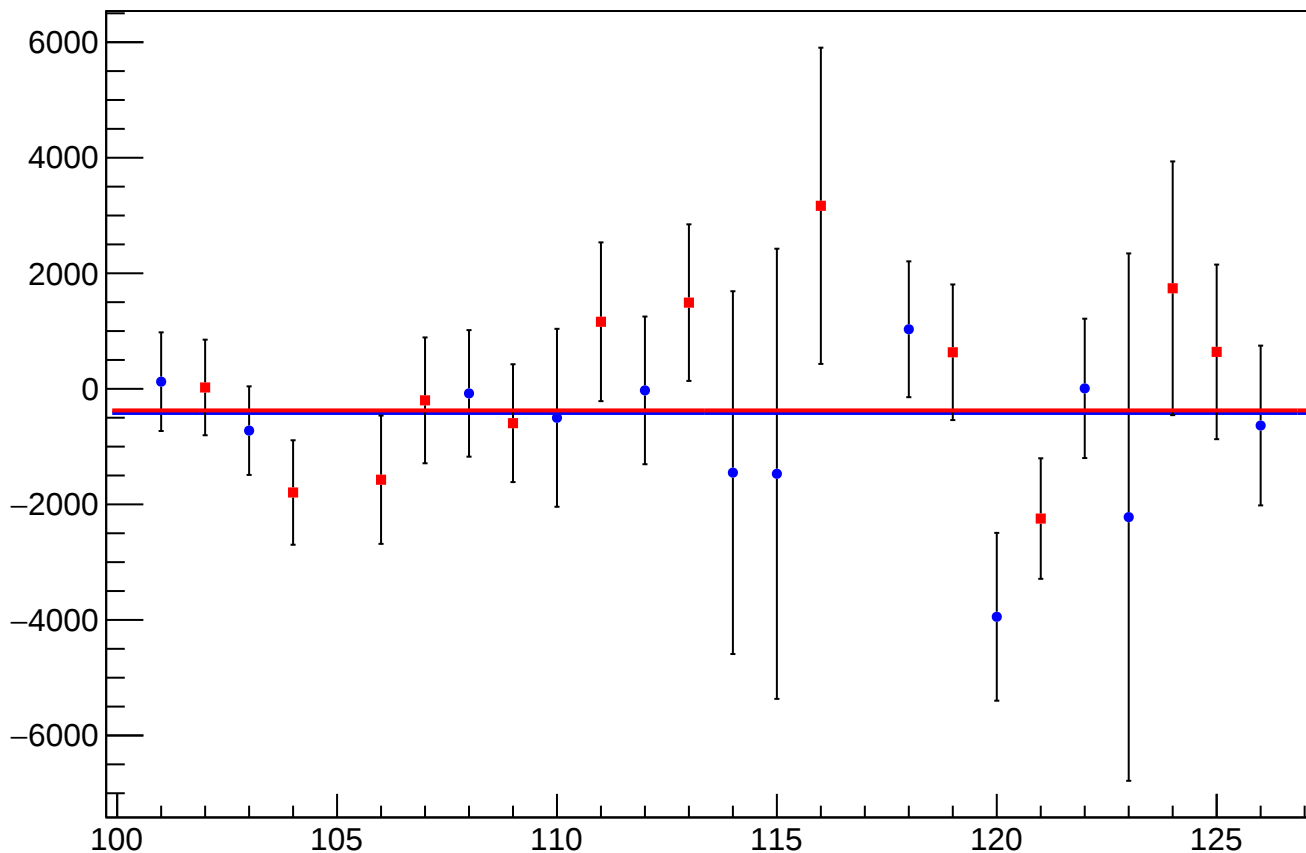
Right: 100.068+/-0.024  $\chi^2/\text{NDF}$ : 135581.8/23

In: 101.307+/-0.035  $\chi^2/\text{NDF}$ : 58488.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 100.068+/-0.024  $\chi^2/\text{NDF}$ : 135581.8/23

asym\_sam\_15\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -417.232+/-363.583  $\chi^2/\text{NDF}$ : 8.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -373.582+/-337.144  $\chi^2/\text{NDF}$ : 14.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

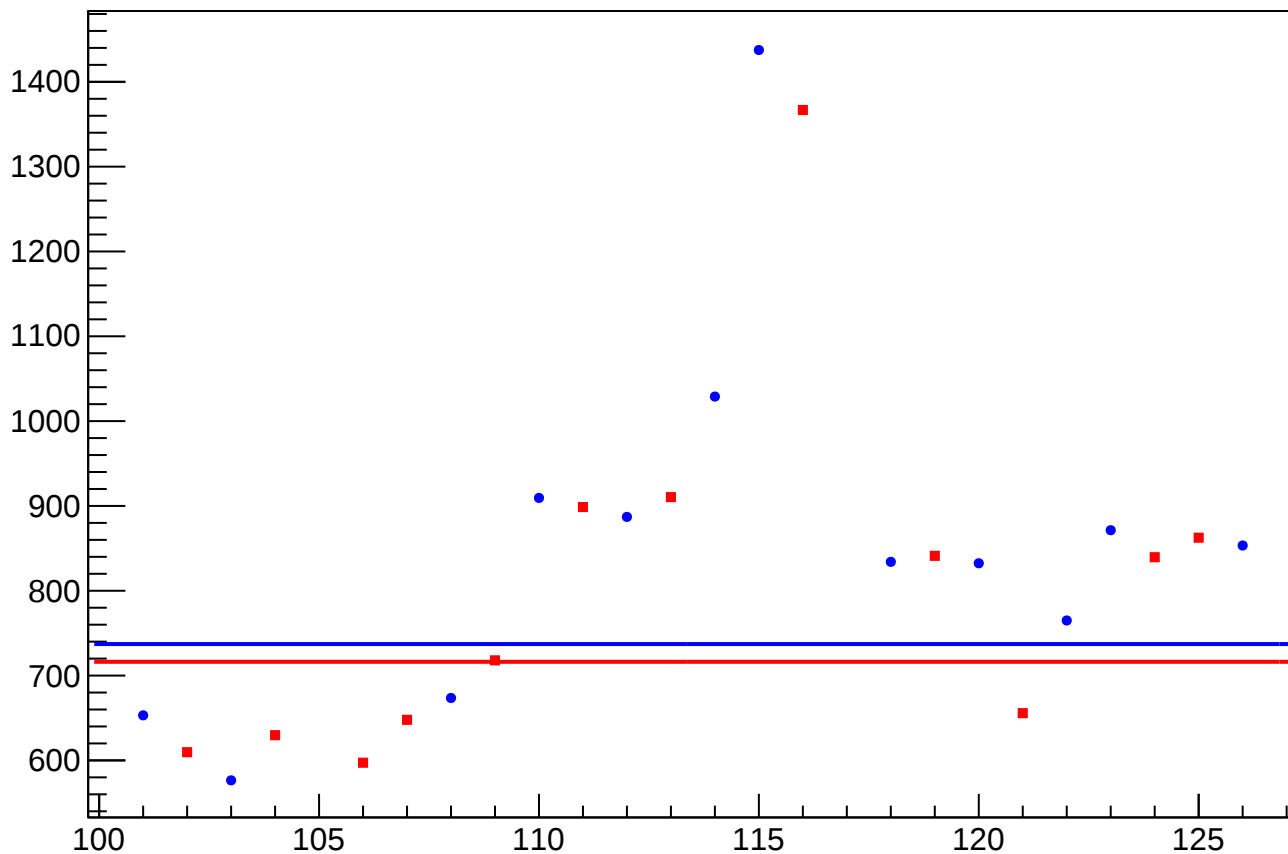
Right: -393.762+/-247.216  $\chi^2/\text{NDF}$ : 22.8/23

In: -417.232+/-363.583  $\chi^2/\text{NDF}$ :8.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -393.762+/-247.216  $\chi^2/\text{NDF}$ : 22.8/23

asym\_sam\_15\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 737.163+/-0.257  $\chi^2/\text{NDF}$ : 287540.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 716.245+/-0.238  $\chi^2/\text{NDF}$ : 326127.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

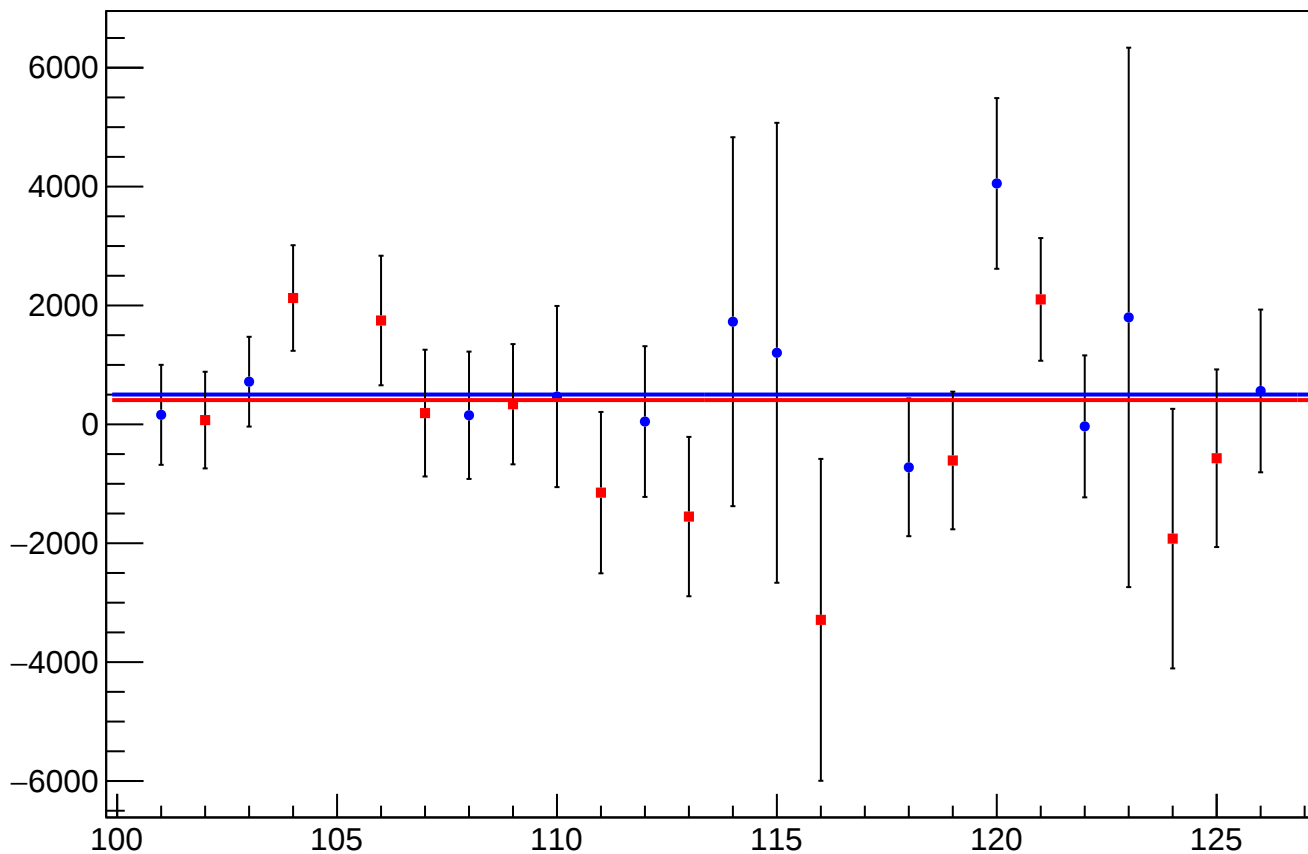
Right: 725.916+/-0.175  $\chi^2/\text{NDF}$ : 617227.2/23

In: 737.163+/-0.257  $\chi^2/\text{NDF}$ : 287540.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 725.916+/-0.175  $\chi^2/\text{NDF}$ : 617227.2/23

# asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In: 501.617+/-358.596  $\chi^2/\text{NDF}$ : 8.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 408.393+/-332.253  $\chi^2/\text{NDF}$ : 15.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

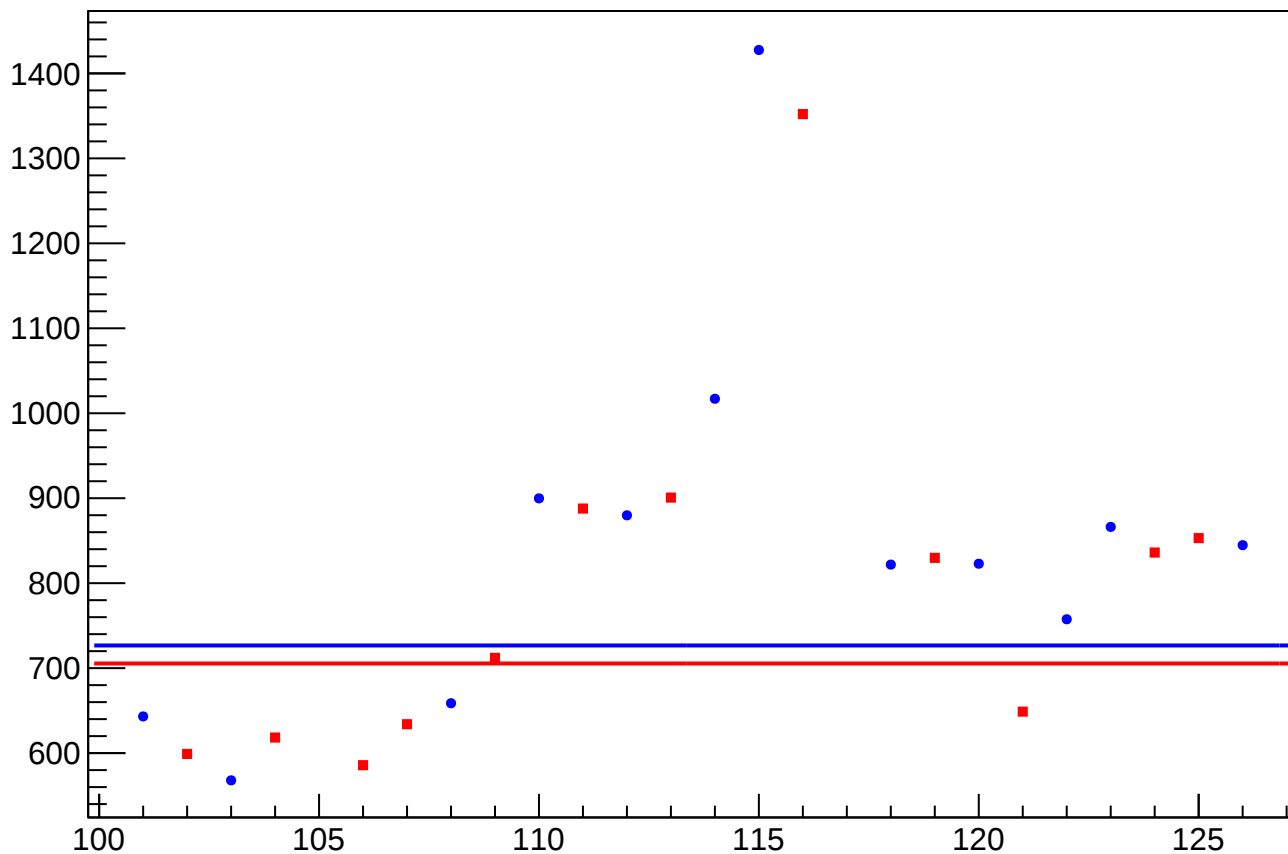
Right: 451.455+/-243.720  $\chi^2/\text{NDF}$ : 24.0/23

In: 501.617+/-358.596  $\chi^2/\text{NDF}$ : 8.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 451.455+/-243.720  $\chi^2/\text{NDF}$ : 24.0/23

# asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 726.692 $\pm$ 0.254  $\chi^2$ /NDF: 294920.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 705.483 $\pm$ 0.235  $\chi^2$ /NDF: 335093.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

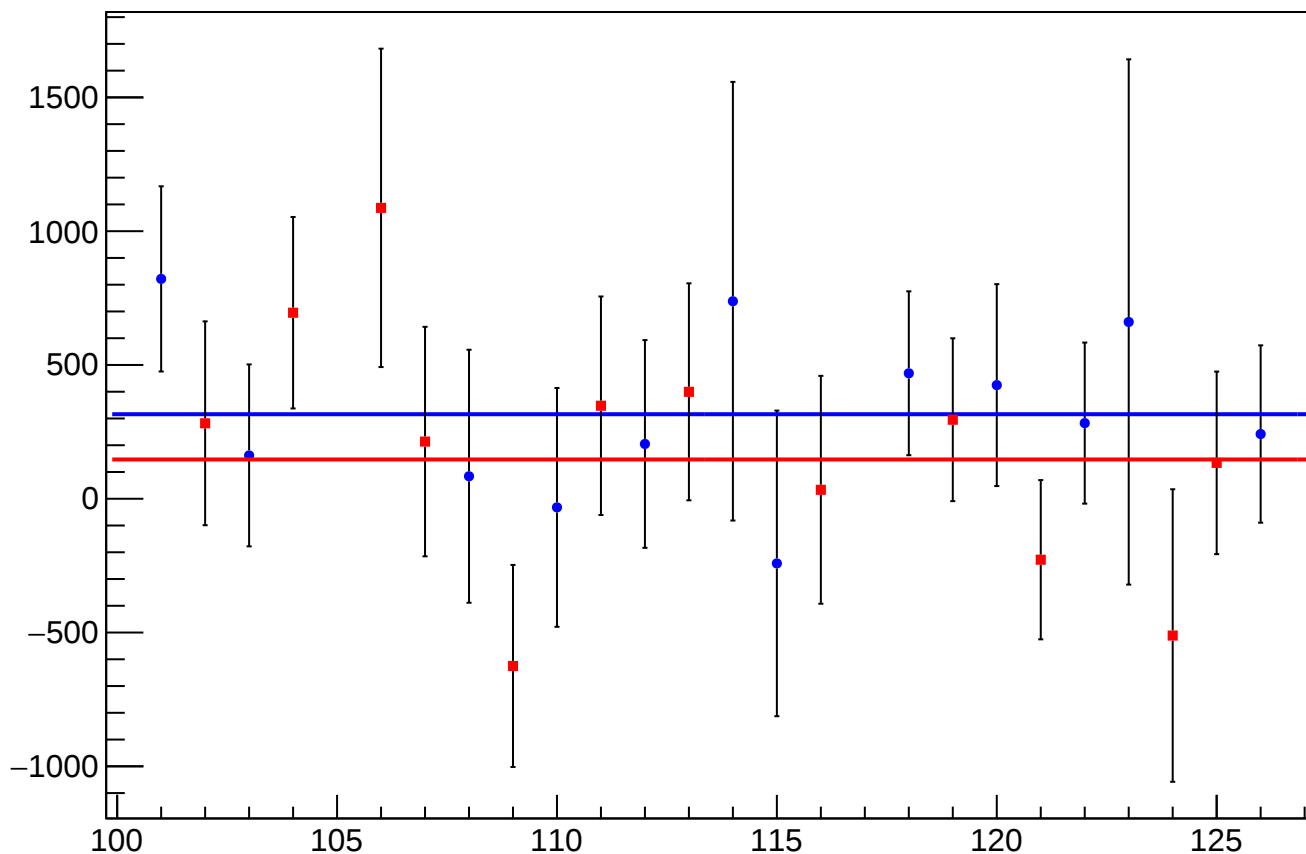
Right: 715.280 $\pm$ 0.172  $\chi^2$ /NDF: 633778.3/23

In: 726.692 $\pm$ 0.254  $\chi^2$ /NDF:294920.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 715.280 $\pm$ 0.172  $\chi^2$ /NDF: 633778.3/23

# dit\_asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 315.918 $\pm$ 114.290  $\chi^2$ /NDF: 5.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 146.815 $\pm$ 110.702  $\chi^2$ /NDF: 13.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

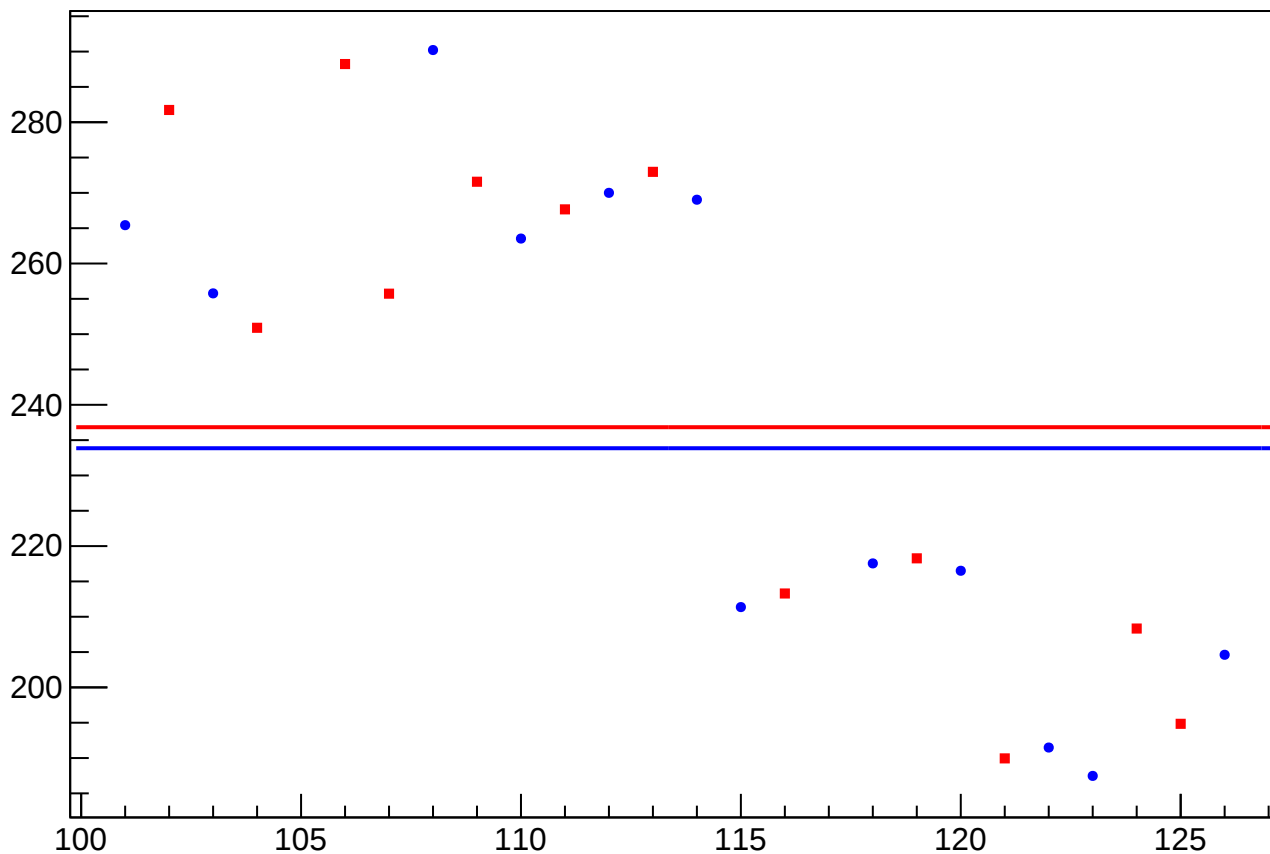
Right: 228.670 $\pm$ 79.516  $\chi^2$ /NDF: 19.3/23

In: 315.918 $\pm$ 114.290  $\chi^2$ /NDF:5.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 228.670 $\pm$ 79.516  $\chi^2$ /NDF: 19.3/23

dit\_asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 233.854 $\pm$ 0.081  $\chi^2$ /NDF: 155924.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 236.830 $\pm$ 0.078  $\chi^2$ /NDF: 192842.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

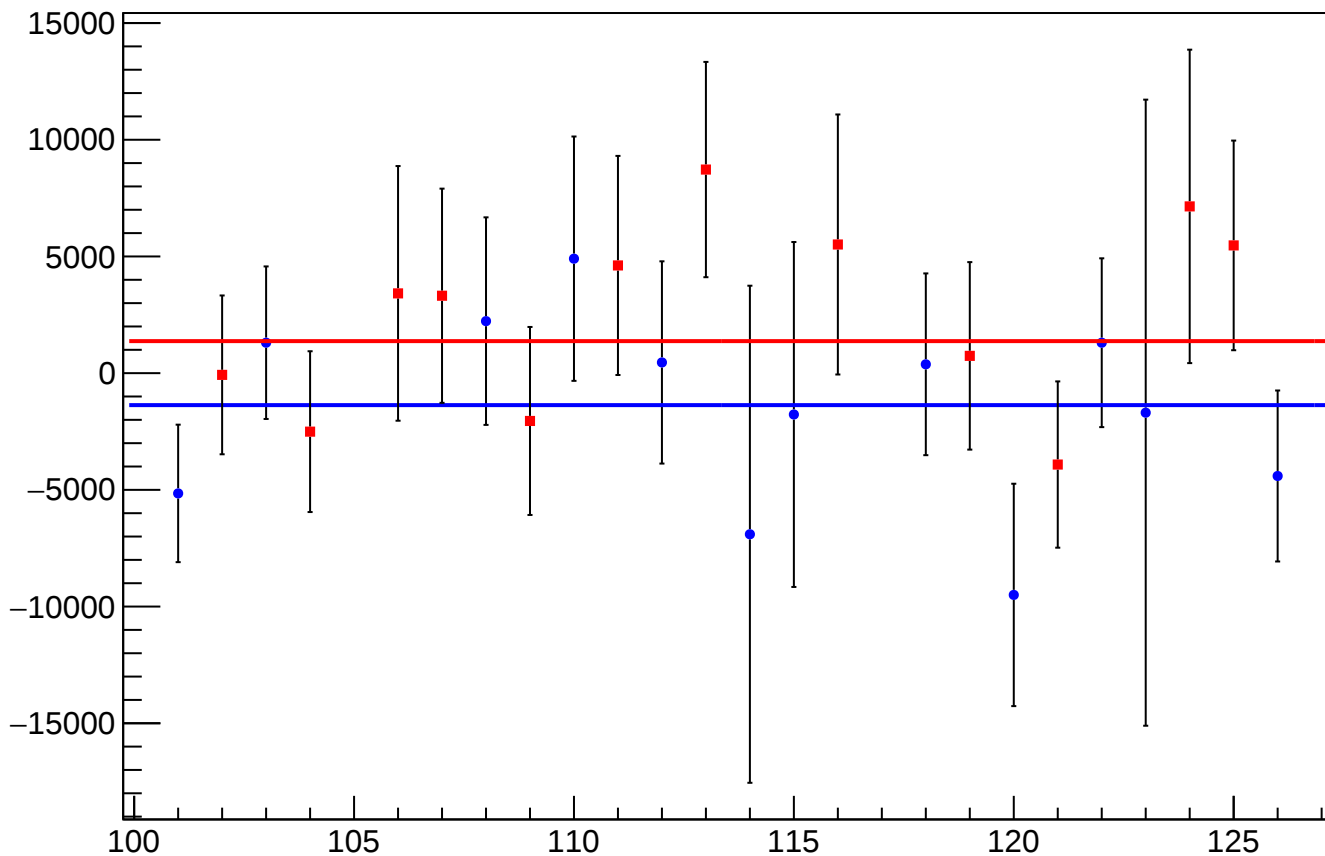
Right: 235.389 $\pm$ 0.056  $\chi^2$ /NDF: 349466.9/23

In: 233.854 $\pm$ 0.081  $\chi^2$ /NDF:155924.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 235.389 $\pm$ 0.056  $\chi^2$ /NDF: 349466.9/23

asym\_sam\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -1369.412 $\pm$ 1247.084  $\chi^2$ /NDF: 9.2/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1372.580 $\pm$ 1239.765  $\chi^2$ /NDF: 9.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

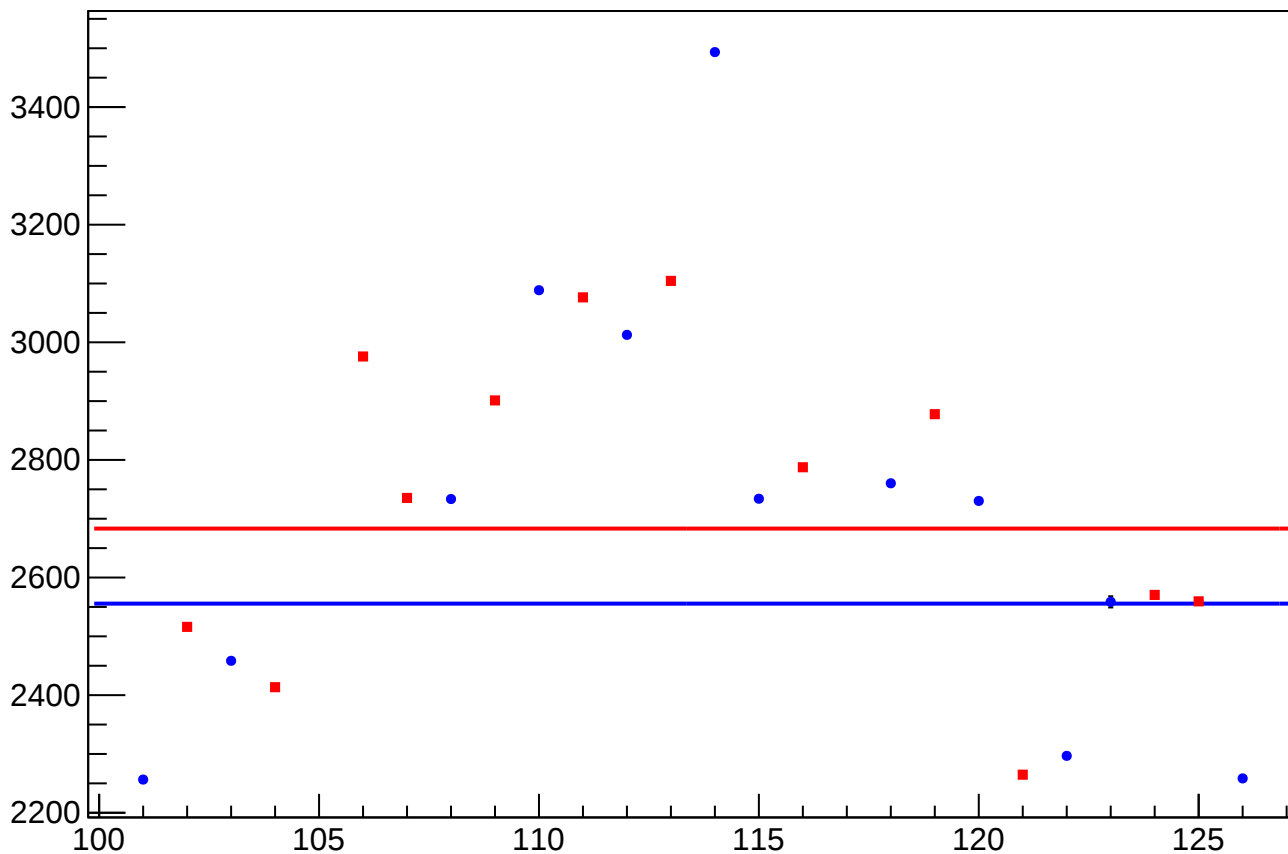
Right: 9.653 $\pm$ 879.223  $\chi^2$ /NDF: 21.5/23

In: -1369.412 $\pm$ 1247.084  $\chi^2$ /NDF:9.2/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 9.653 $\pm$ 879.223  $\chi^2$ /NDF: 21.5/23

asym\_sam\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 2555.640+/-0.882  $\chi^2/\text{NDF}$ : 116902.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2683.277+/-0.877  $\chi^2/\text{NDF}$ : 94752.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

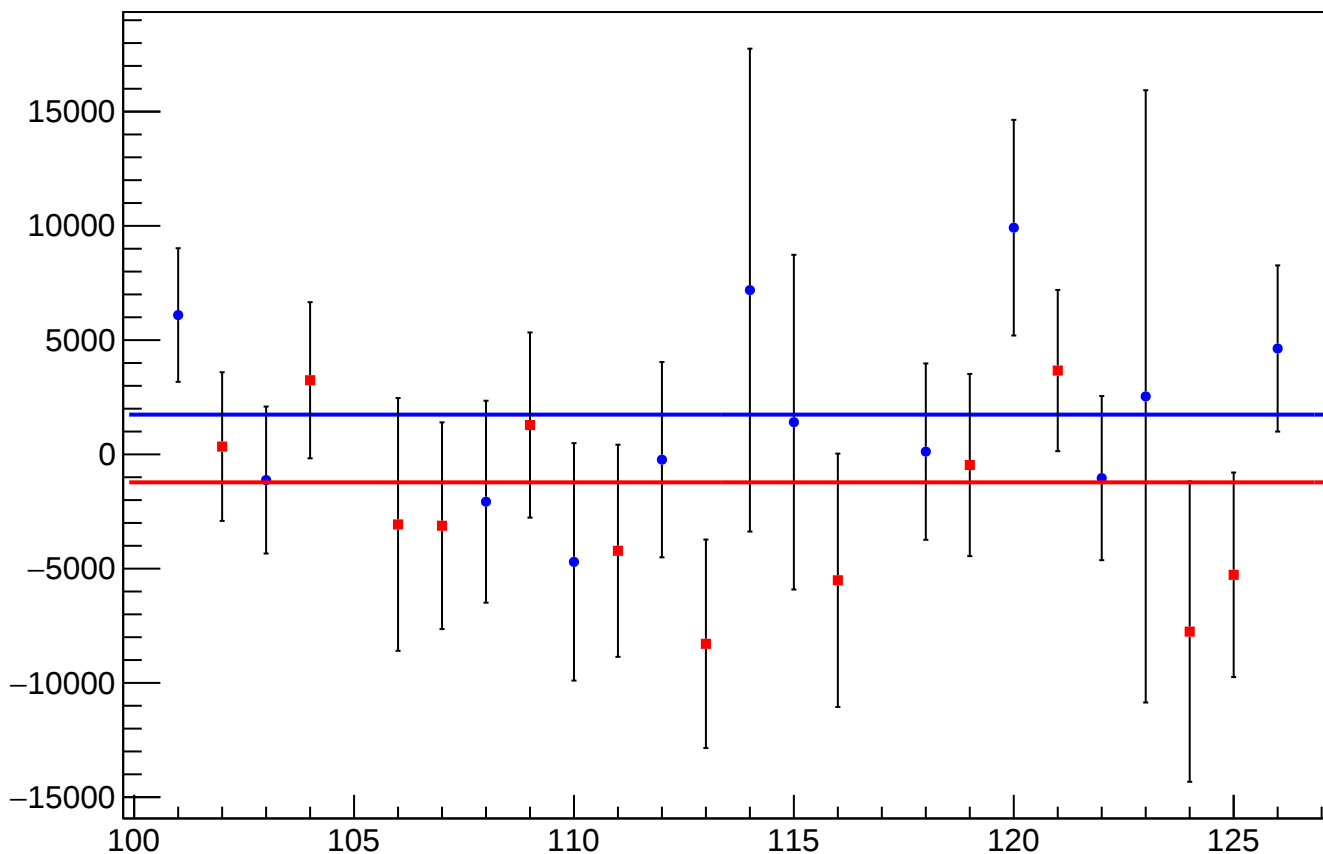
Right: 2619.834+/-0.622  $\chi^2/\text{NDF}$ : 222191.8/23

In: 2555.640+/-0.882  $\chi^2/\text{NDF}$ : 116902.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2619.834+/-0.622  $\chi^2/\text{NDF}$ : 222191.8/23

# asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 1740.024+/-1235.570  $\chi^2/\text{NDF}$ : 10.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1223.255+/-1225.292  $\chi^2/\text{NDF}$ : 9.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

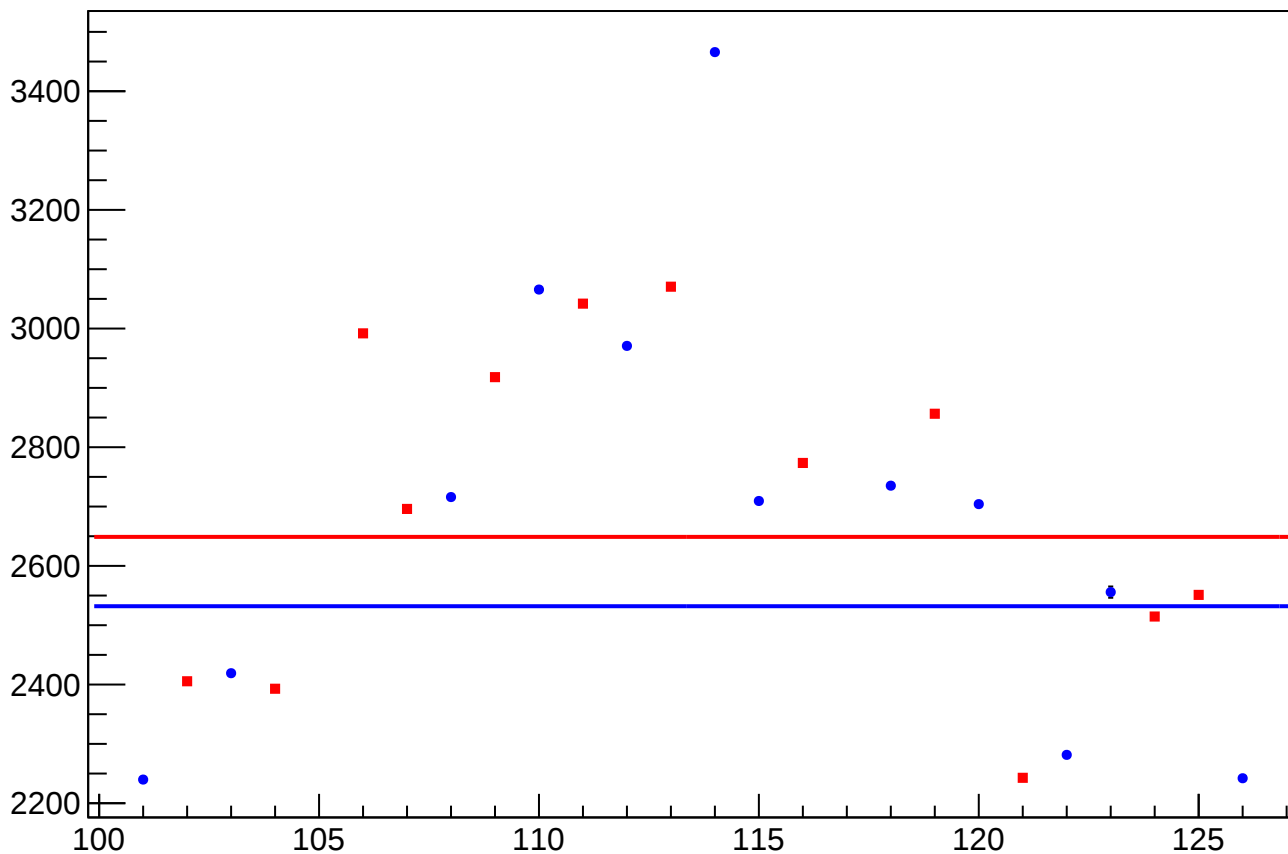
Right: 246.008+/-870.023  $\chi^2/\text{NDF}$ : 22.9/23

In: 1740.024+/-1235.570  $\chi^2/\text{NDF}$ : 10.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 246.008+/-870.023  $\chi^2/\text{NDF}$ : 22.9/23

# asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 2532.013+/-0.874  $\chi^2/\text{NDF}$ : 115543.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2648.877+/-0.866  $\chi^2/\text{NDF}$ : 105313.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

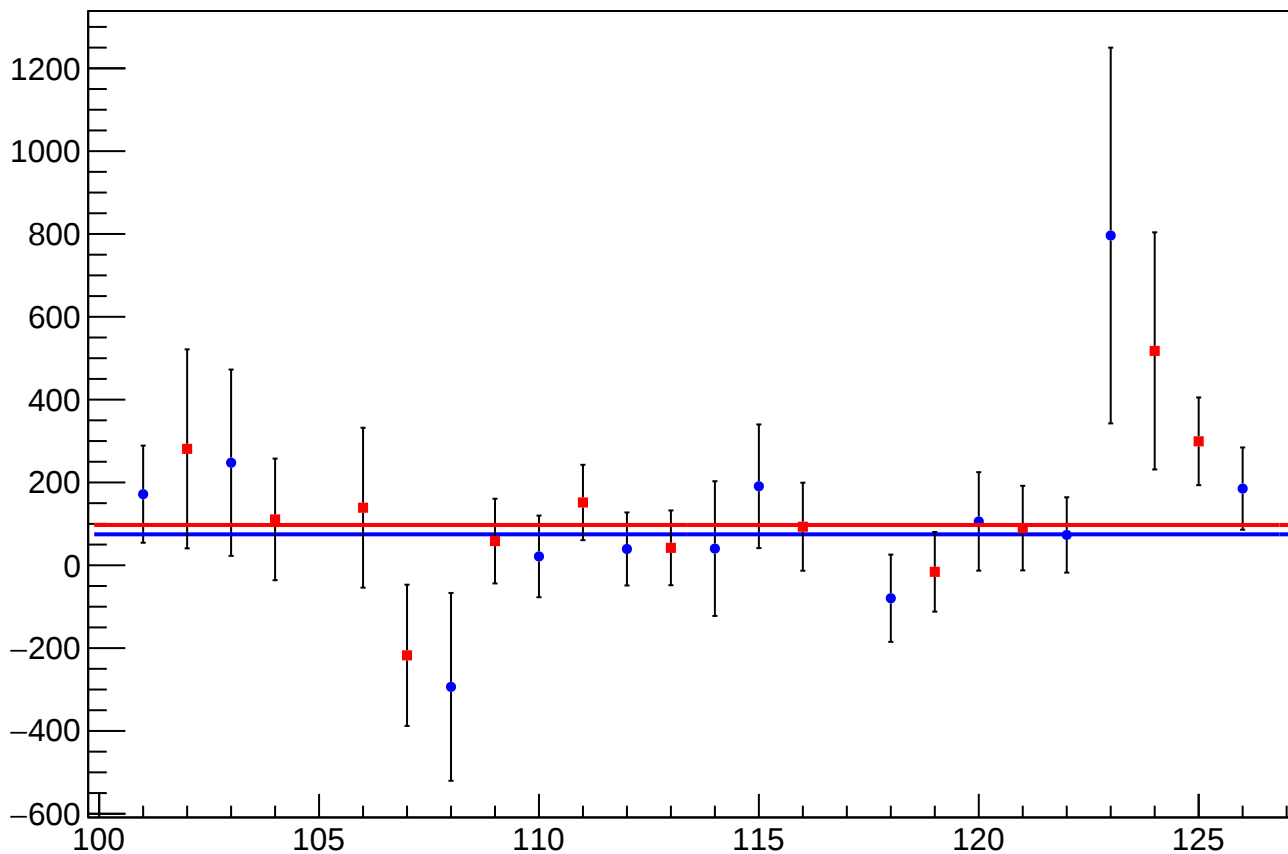
Right: 2590.933+/-0.615  $\chi^2/\text{NDF}$ : 229877.2/23

In: 2532.013+/-0.874  $\chi^2/\text{NDF}$ : 115543.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2590.933+/-0.615  $\chi^2/\text{NDF}$ : 229877.2/23

dit\_asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 74.745 $\pm$ 35.049  $\chi^2$ /NDF: 11.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 97.324 $\pm$ 34.139  $\chi^2$ /NDF: 12.1/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

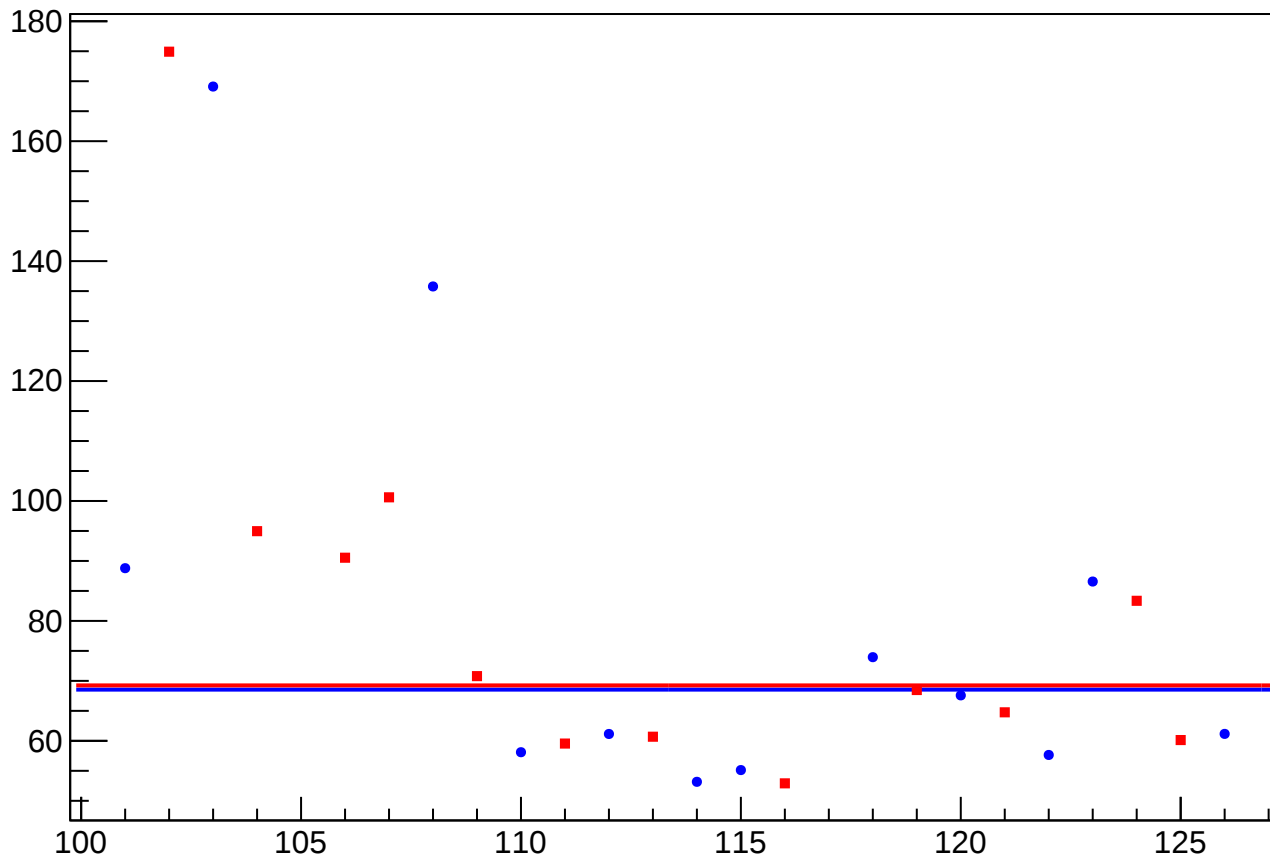
Right: 86.331 $\pm$ 24.456  $\chi^2$ /NDF: 23.3/23

In: 74.745 $\pm$ 35.049  $\chi^2$ /NDF:11.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 86.331 $\pm$ 24.456  $\chi^2$ /NDF: 23.3/23

dit\_asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 68.543+/-0.025  $\chi^2/\text{NDF}$ : 753968.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 69.246+/-0.024  $\chi^2/\text{NDF}$ : 652318.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

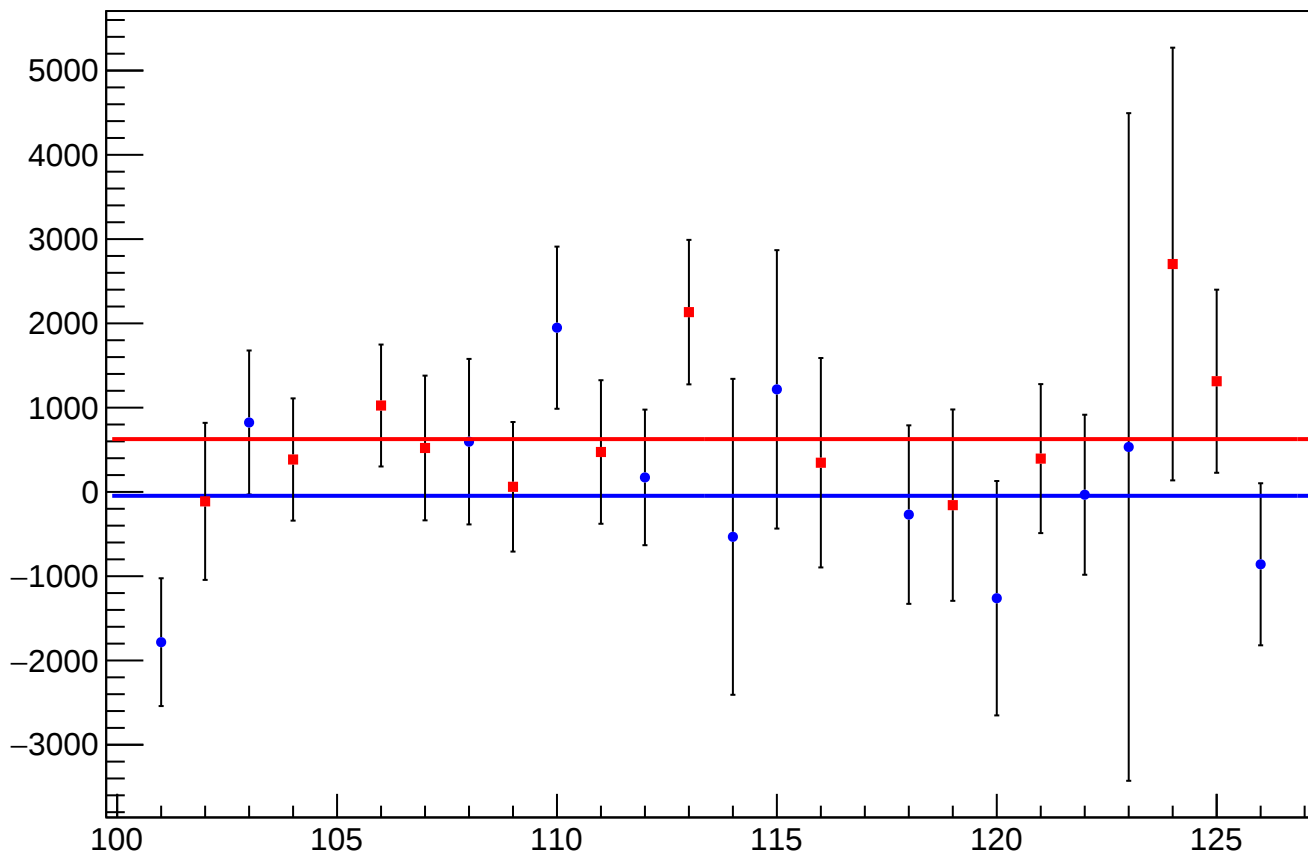
Right: 68.904+/-0.017  $\chi^2/\text{NDF}$ : 1406699.9/23

In: 68.543+/-0.025  $\chi^2/\text{NDF}$ : 753968.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 68.904+/-0.017  $\chi^2/\text{NDF}$ : 1406699.9/23

asym\_sam\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -46.031+/-300.326  $\chi^2/\text{NDF}$ : 13.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 626.843+/-263.035  $\chi^2/\text{NDF}$ : 6.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

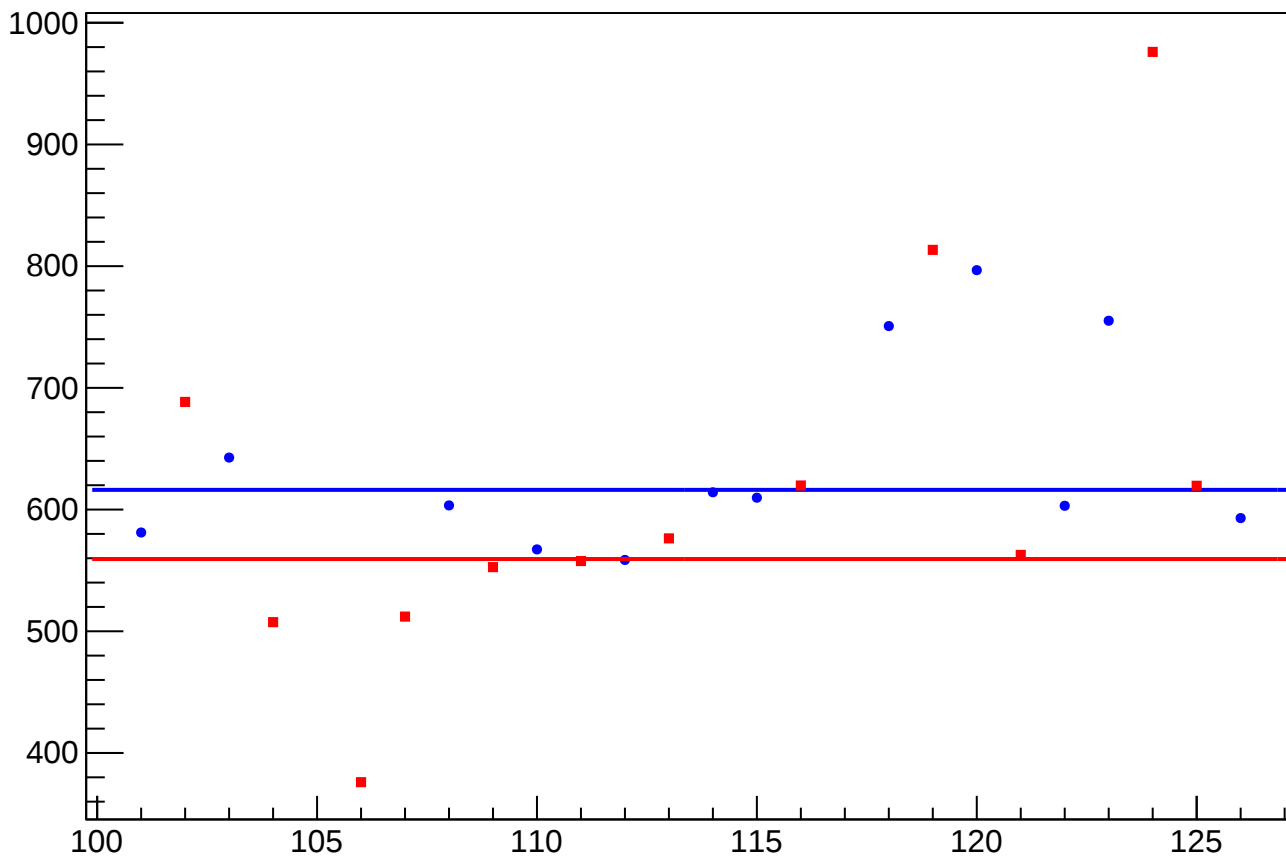
Right: 334.752+/-197.872  $\chi^2/\text{NDF}$ : 22.5/23

In: -46.031+/-300.326  $\chi^2/\text{NDF}$ : 13.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 334.752+/-197.872  $\chi^2/\text{NDF}$ : 22.5/23

asym\_sam\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 616.191+/-0.212  $\chi^2/\text{NDF}$ : 91985.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 559.361+/-0.186  $\chi^2/\text{NDF}$ : 347832.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

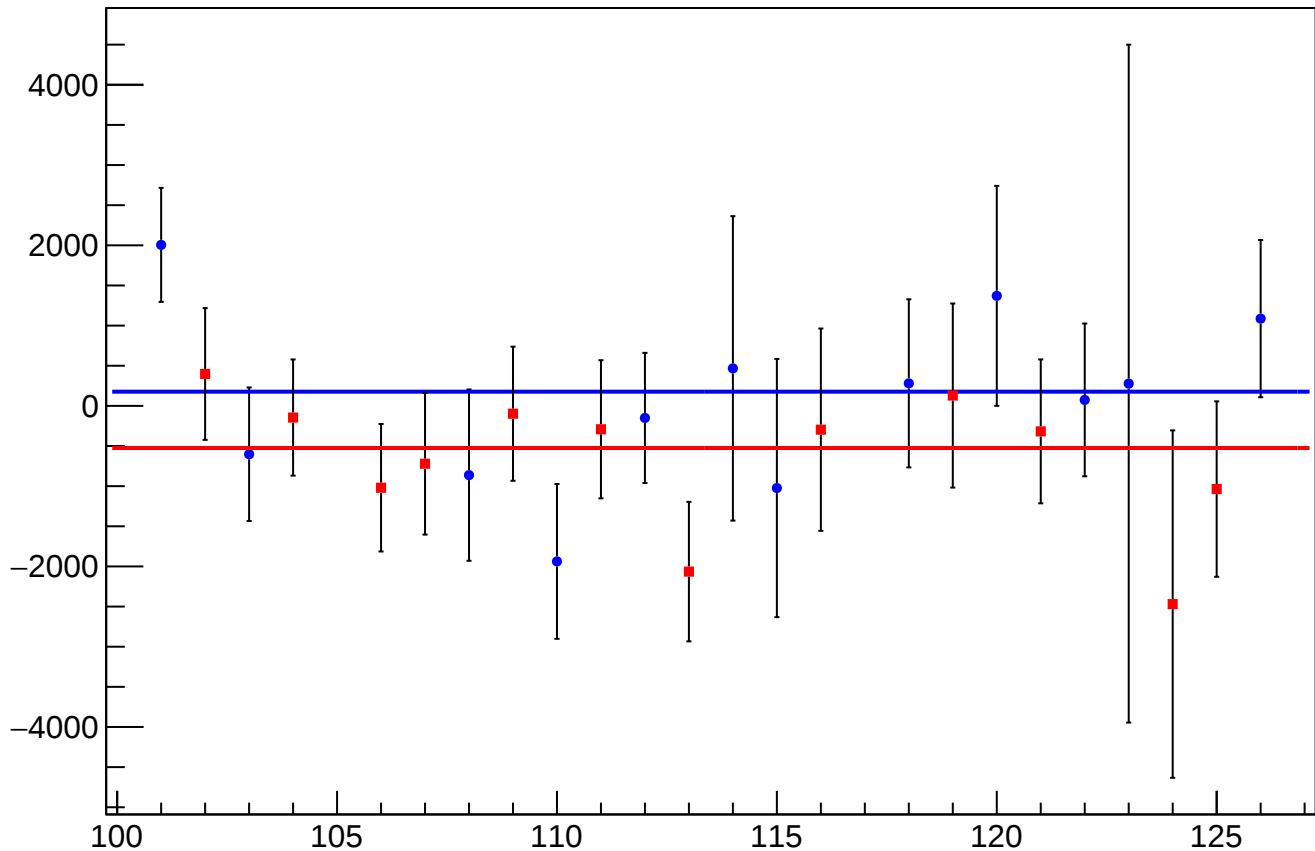
Right: 584.031+/-0.140  $\chi^2/\text{NDF}$ : 480346.3/23

In: 616.191+/-0.212  $\chi^2/\text{NDF}$ : 91985.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 584.031+/-0.140  $\chi^2/\text{NDF}$ : 480346.3/23

# asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 176.959 $\pm$ 298.607  $\chi^2$ /NDF: 15.6/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -524.767 $\pm$ 266.687  $\chi^2$ /NDF: 6.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

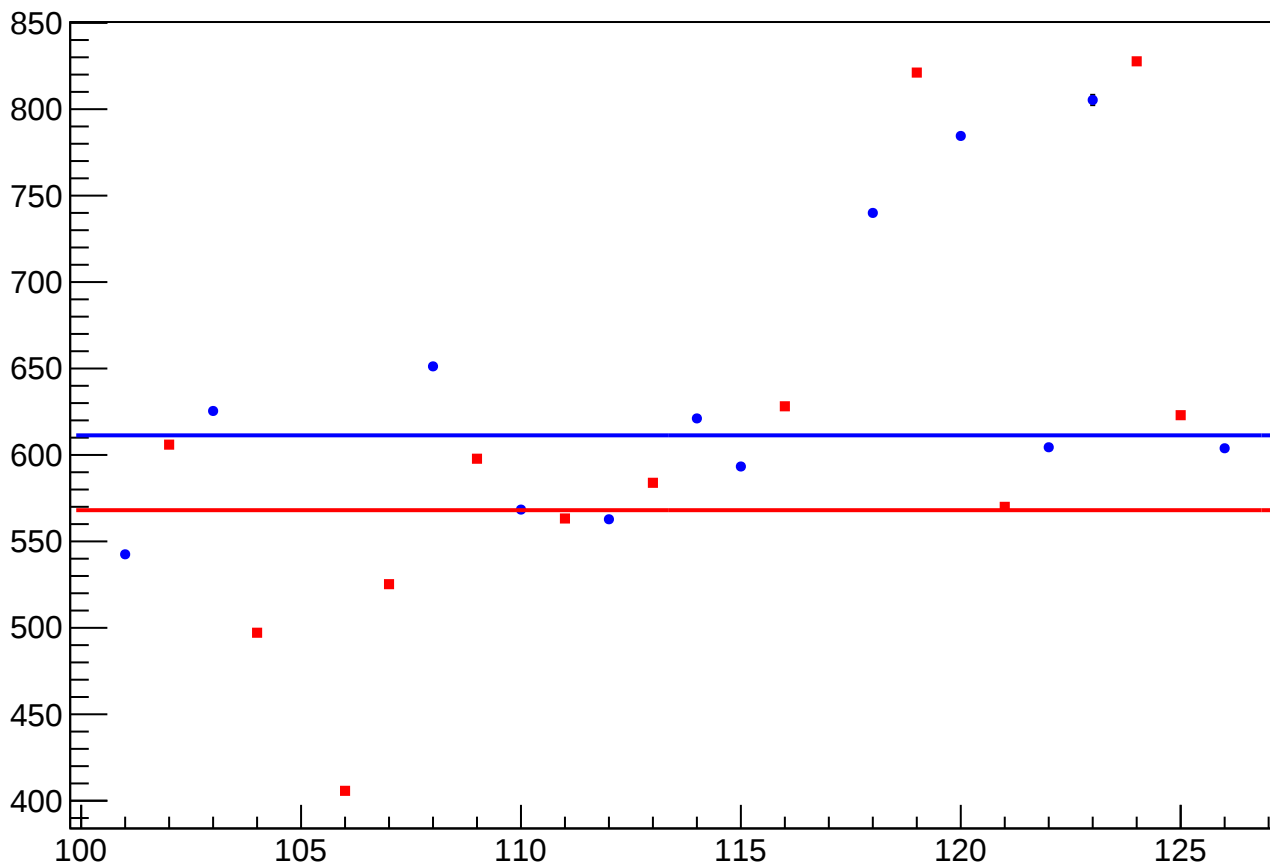
Right: -213.402 $\pm$ 198.908  $\chi^2$ /NDF: 25.6/23

In: 176.959 $\pm$ 298.607  $\chi^2$ /NDF:15.6/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -213.402 $\pm$ 198.908  $\chi^2$ /NDF: 25.6/23

# asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 611.341+/-0.211  $\chi^2/\text{NDF}$ : 100167.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 568.055+/-0.189  $\chi^2/\text{NDF}$ : 250943.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

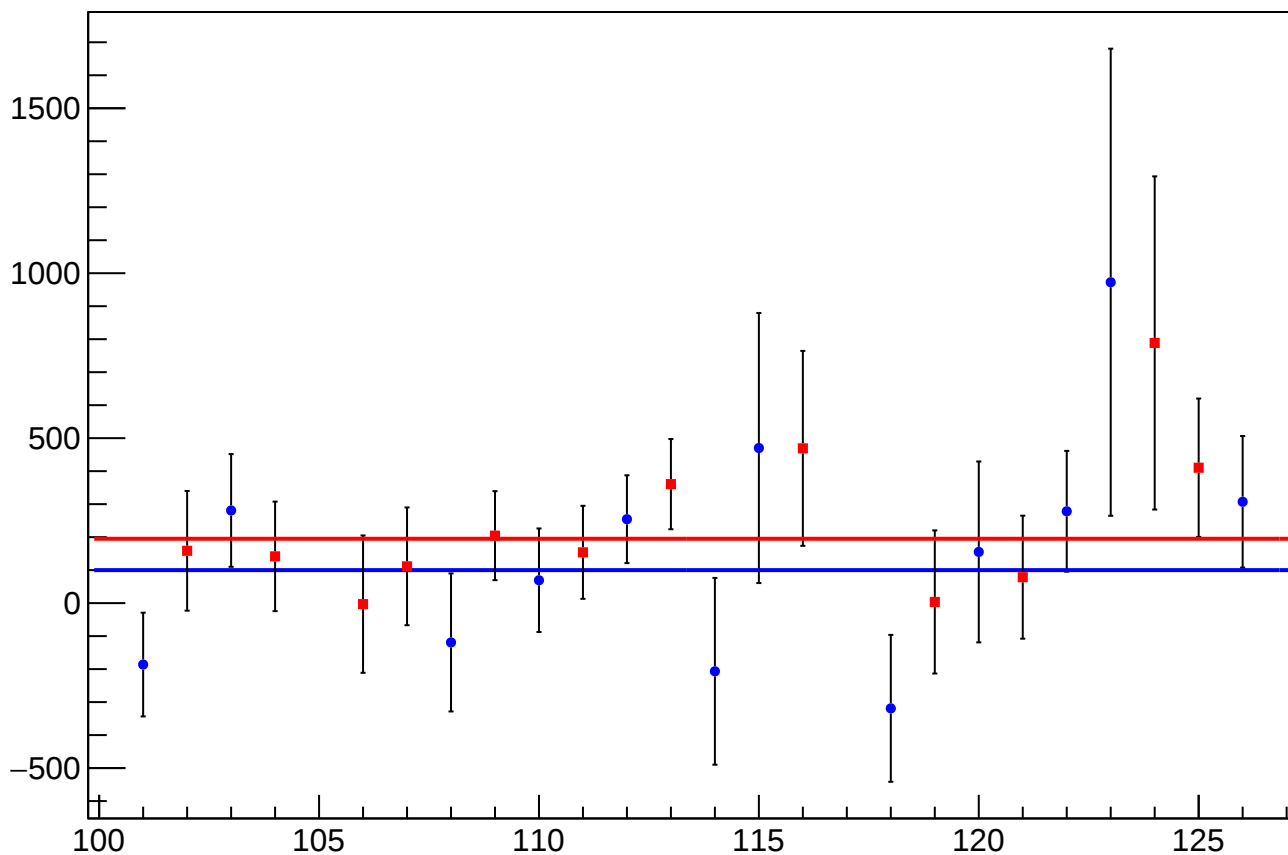
Right: 587.262+/-0.141  $\chi^2/\text{NDF}$ : 374489.5/23

In: 611.341+/-0.211  $\chi^2/\text{NDF}$ : 100167.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 587.262+/-0.141  $\chi^2/\text{NDF}$ : 374489.5/23

dit\_asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 100.030+/-57.403  $\chi^2/\text{NDF}$ : 16.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 195.089+/-52.126  $\chi^2/\text{NDF}$ : 7.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

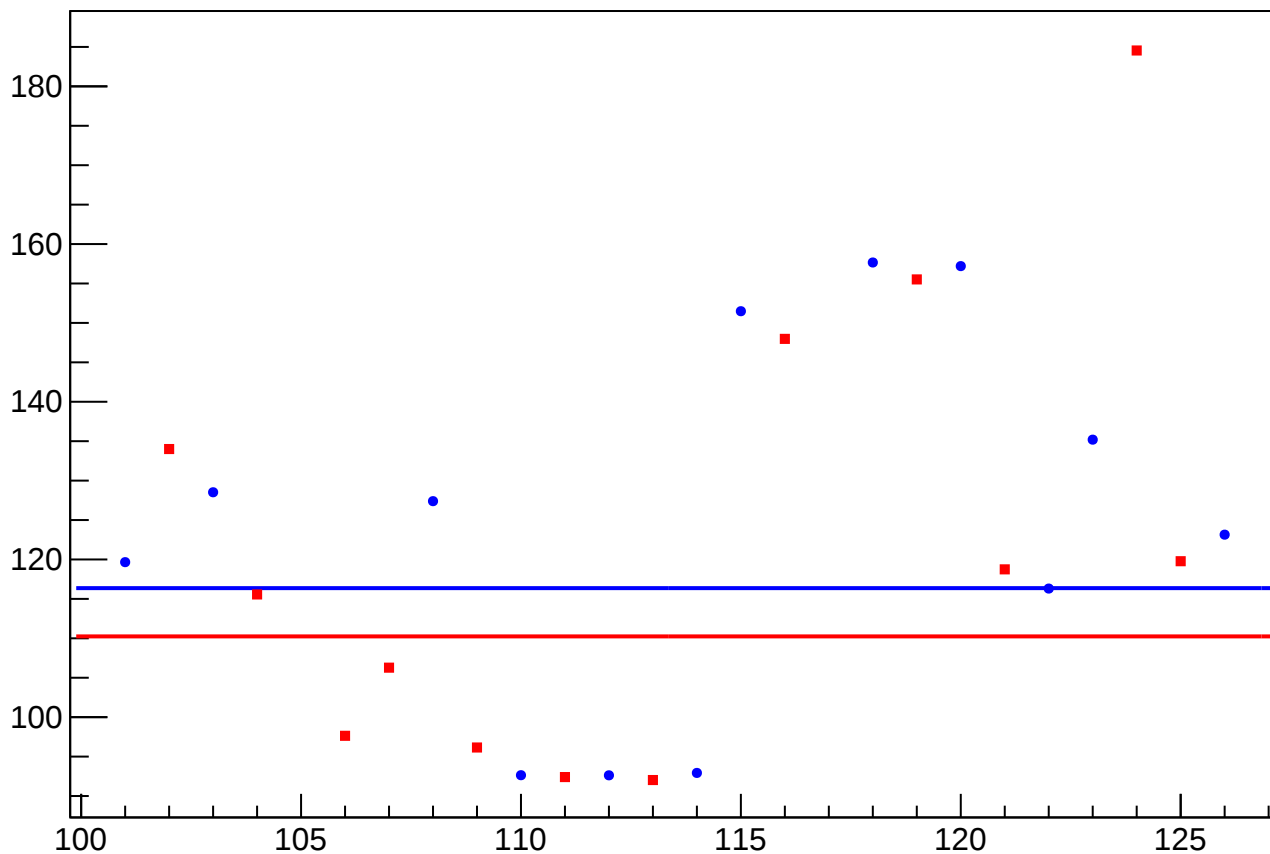
Right: 152.129+/-38.589  $\chi^2/\text{NDF}$ : 24.8/23

In: 100.030+/-57.403  $\chi^2/\text{NDF}$ : 16.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 152.129+/-38.589  $\chi^2/\text{NDF}$ : 24.8/23

dit\_asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 116.364 $\pm$ 0.041  $\chi^2$ /NDF: 271191.3/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 110.243 $\pm$ 0.037  $\chi^2$ /NDF: 305387.8/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

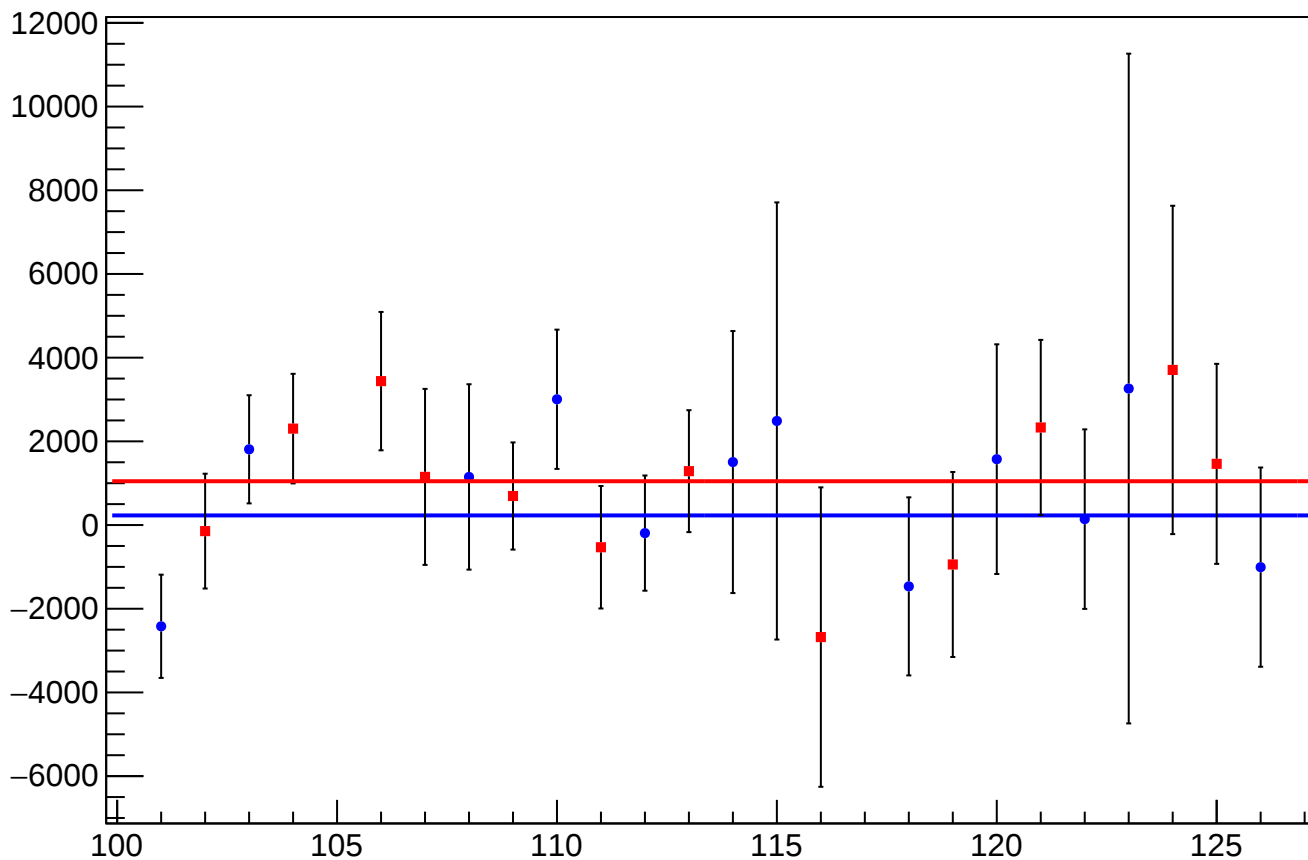
Right: 113.009 $\pm$ 0.027  $\chi^2$ /NDF: 589043.3/23

In: 116.364 $\pm$ 0.041  $\chi^2$ /NDF:271191.3/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 113.009 $\pm$ 0.027  $\chi^2$ /NDF: 589043.3/23

asym\_sam\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 229.857+/-554.663  $\chi^2/\text{NDF}$ : 10.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1047.124+/-499.633  $\chi^2/\text{NDF}$ : 7.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

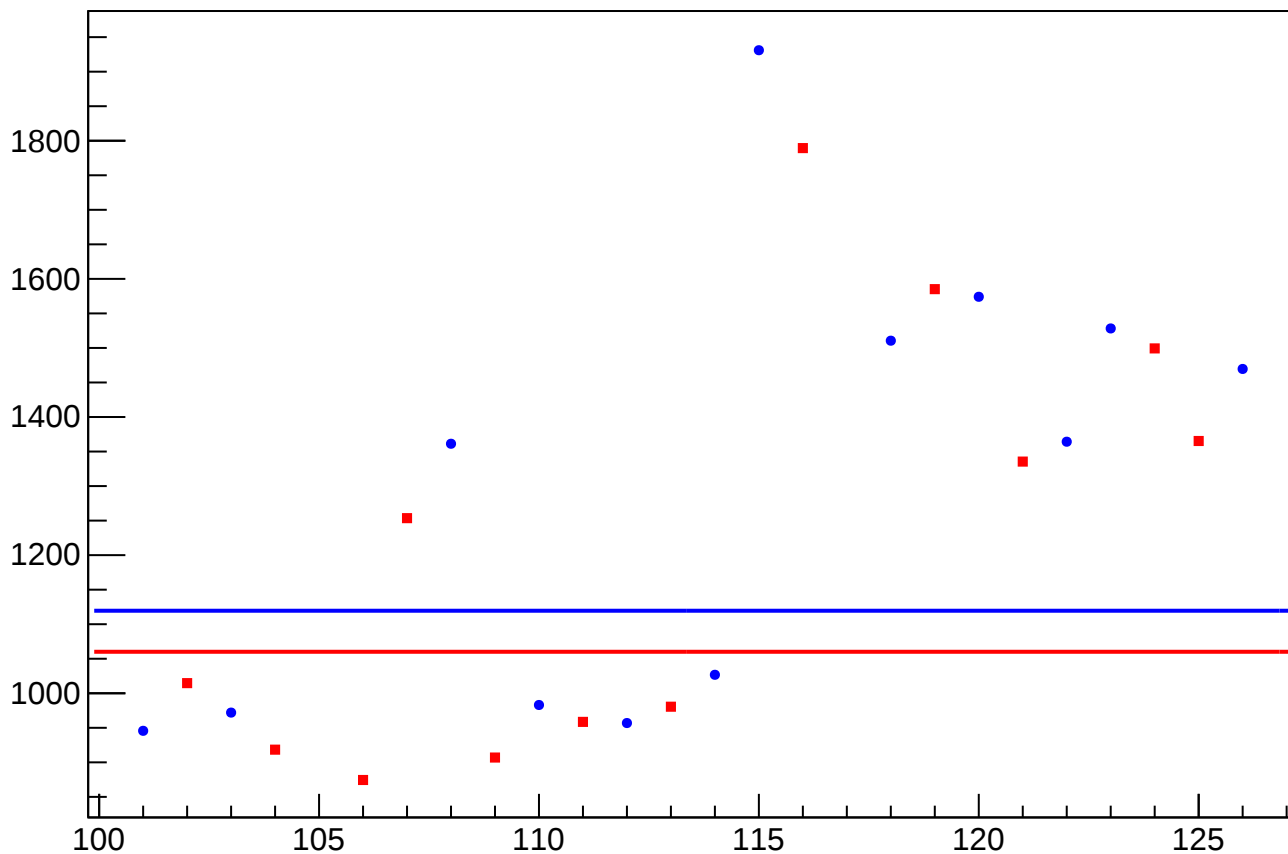
Right: 681.033+/-371.229  $\chi^2/\text{NDF}$ : 19.8/23

In: 229.857+/-554.663  $\chi^2/\text{NDF}$ : 10.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 681.033+/-371.229  $\chi^2/\text{NDF}$ : 19.8/23

asym\_sam\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1119.511+/-0.392  $\chi^2/\text{NDF}$ : 377916.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1060.096+/-0.353  $\chi^2/\text{NDF}$ : 400207.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

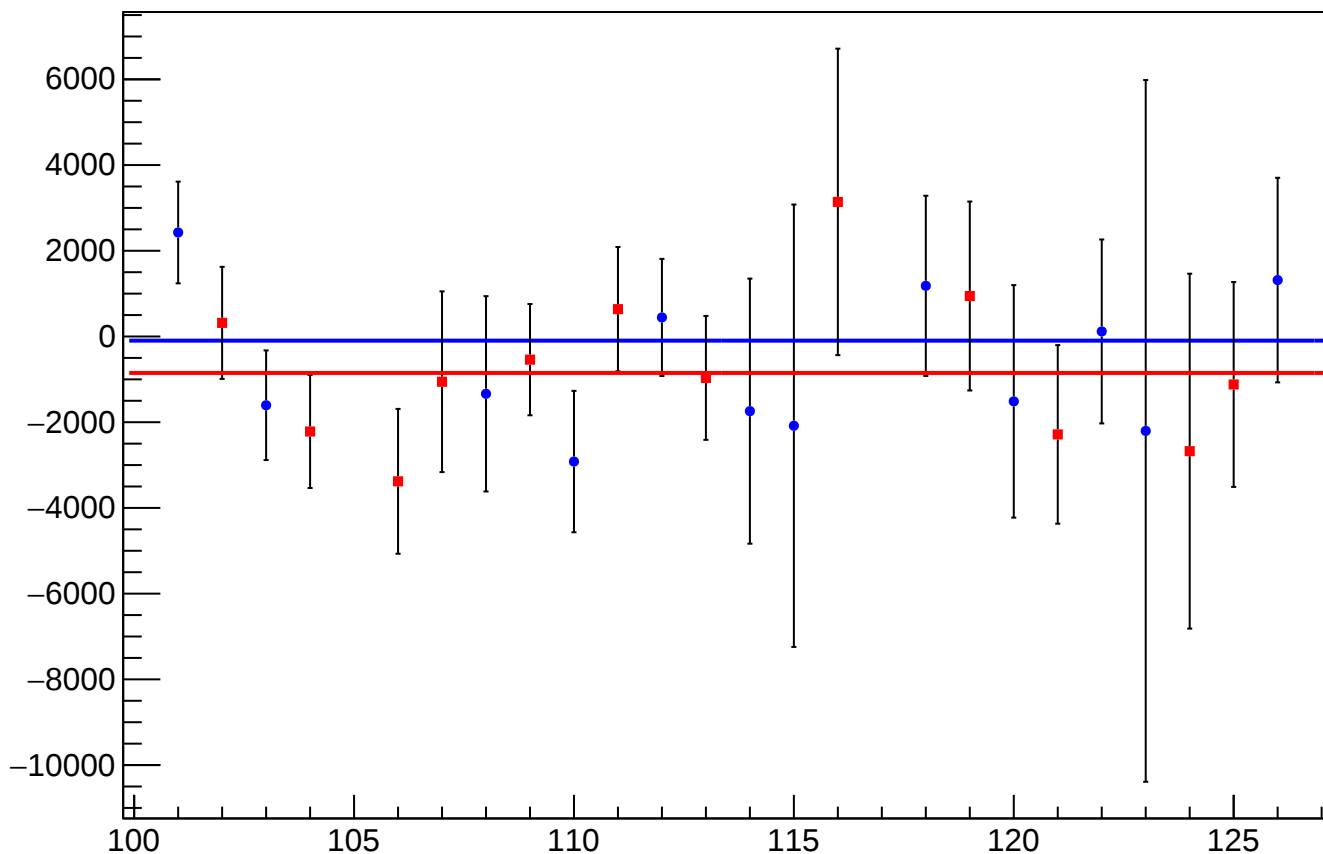
Right: 1086.711+/-0.262  $\chi^2/\text{NDF}$ : 790793.9/23

In: 1119.511+/-0.392  $\chi^2/\text{NDF}$ : 377916.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1086.711+/-0.262  $\chi^2/\text{NDF}$ : 790793.9/23

# asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In: -96.741+/-548.032  $\chi^2/\text{NDF}$ : 10.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -850.305+/-498.123  $\chi^2/\text{NDF}$ : 7.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

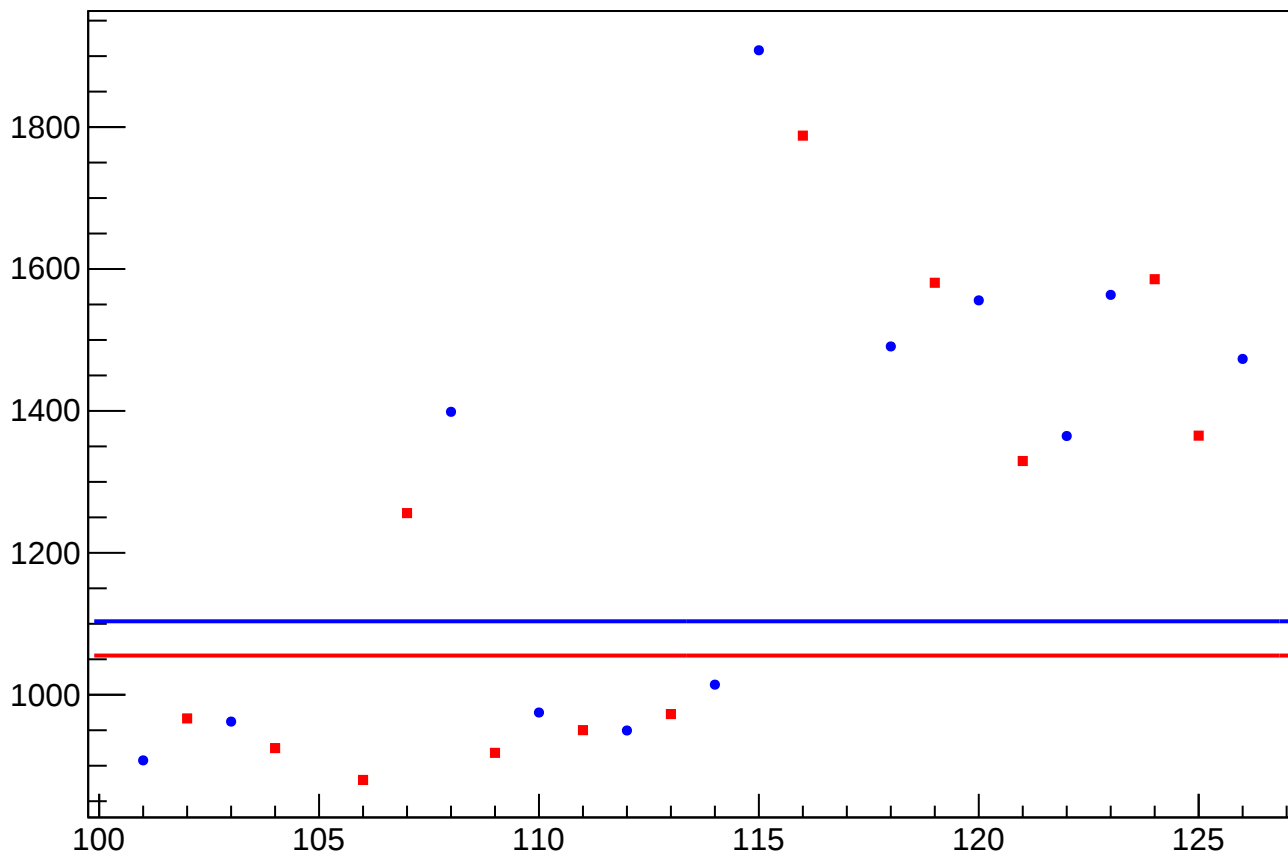
Right: -509.392+/-368.611  $\chi^2/\text{NDF}$ : 19.7/23

In: -96.741+/-548.032  $\chi^2/\text{NDF}$ :10.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -509.392+/-368.611  $\chi^2/\text{NDF}$ : 19.7/23

# asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In:  $1103.538 \pm 0.388$   $\chi^2/\text{NDF}: 407850.1/11$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $1055.265 \pm 0.352$   $\chi^2/\text{NDF}: 406392.1/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

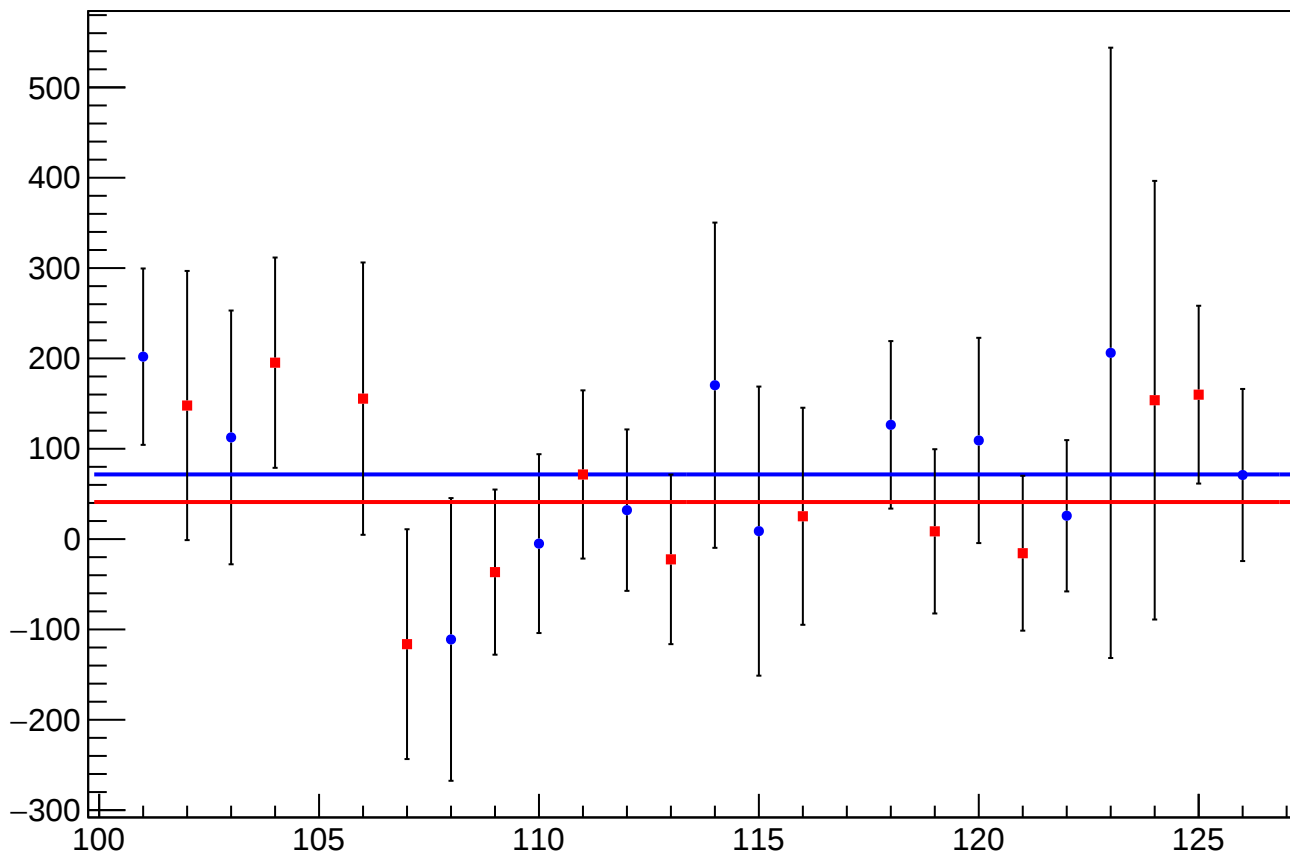
Right:  $1077.104 \pm 0.261$   $\chi^2/\text{NDF}: 822740.0/23$

In:  $1103.538 \pm 0.388$   $\chi^2/\text{NDF}: 407850.1/11$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $1077.104 \pm 0.261$   $\chi^2/\text{NDF}: 822740.0/23$

dit\_asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 71.591 $\pm$ 32.458  $\chi^2$ /NDF: 5.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 41.032 $\pm$ 31.314  $\chi^2$ /NDF: 7.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

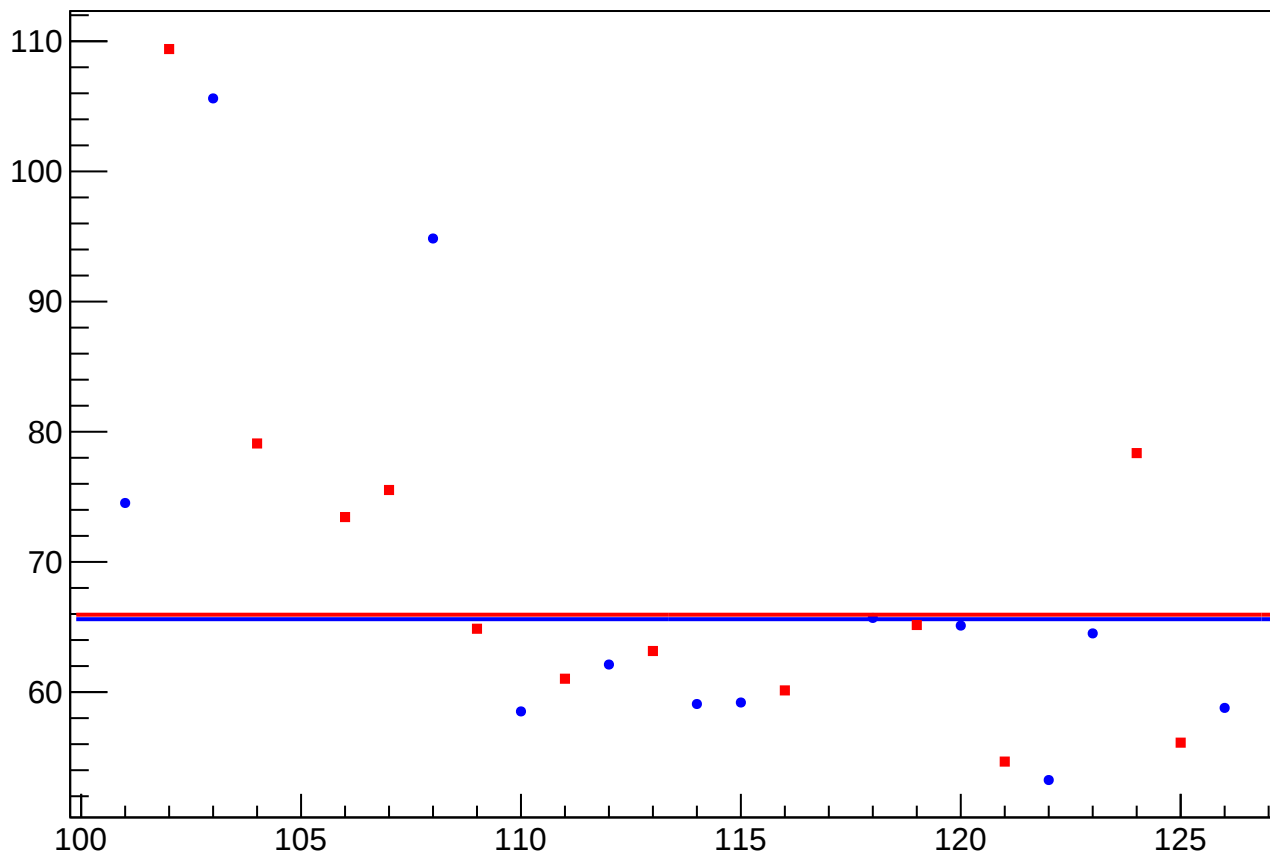
Right: 55.763 $\pm$ 22.536  $\chi^2$ /NDF: 13.8/23

In: 71.591 $\pm$ 32.458  $\chi^2$ /NDF:5.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 55.763 $\pm$ 22.536  $\chi^2$ /NDF: 13.8/23

dit\_asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 65.601 $\pm$ 0.023  $\chi^2$ /NDF: 321851.7/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 65.946 $\pm$ 0.022  $\chi^2$ /NDF: 284298.8/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

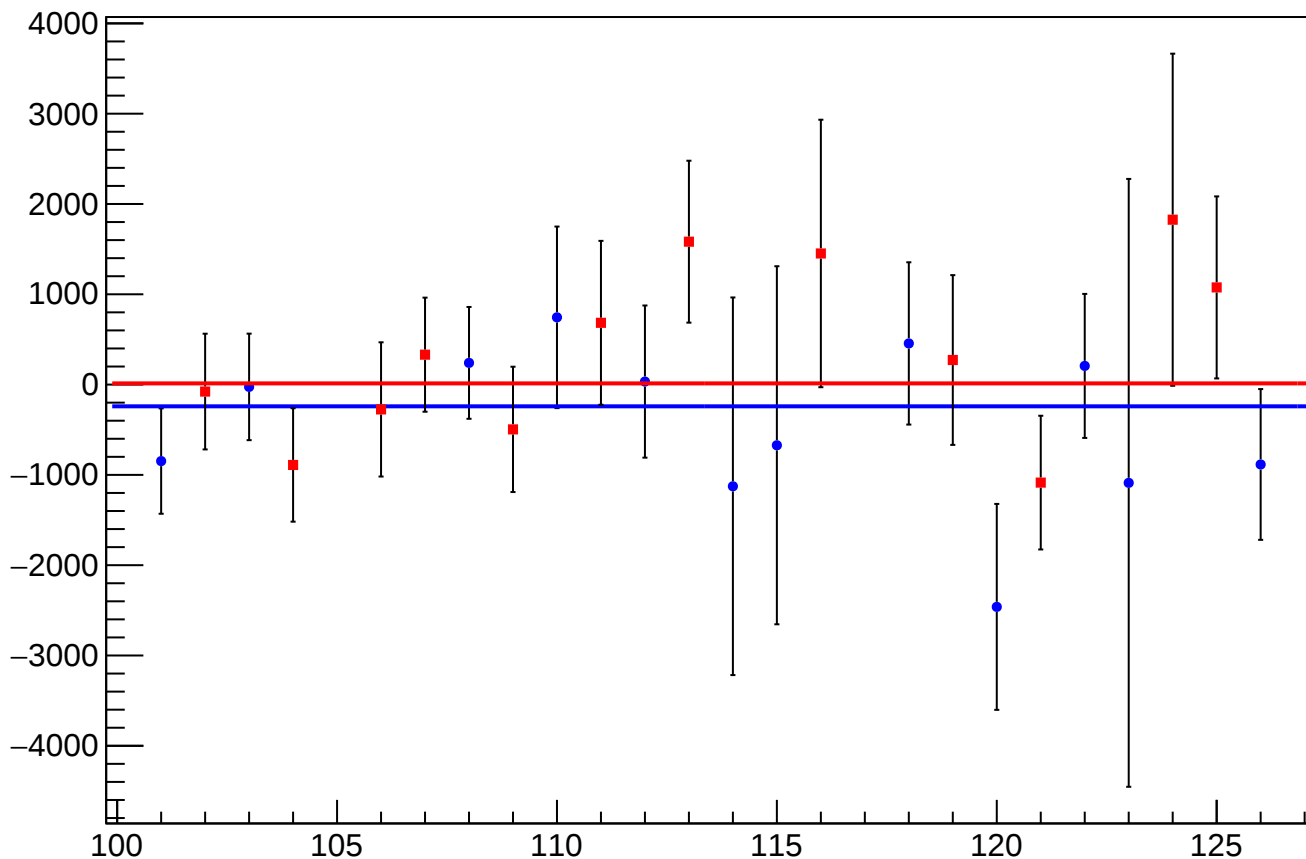
Right: 65.779 $\pm$ 0.016  $\chi^2$ /NDF: 606267.8/23

In: 65.601 $\pm$ 0.023  $\chi^2$ /NDF:321851.7/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 65.779 $\pm$ 0.016  $\chi^2$ /NDF: 606267.8/23

asym\_sam\_13\_57\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -240.729+/-246.877  $\chi^2/\text{NDF}$ : 8.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.287+/-232.397  $\chi^2/\text{NDF}$ : 11.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

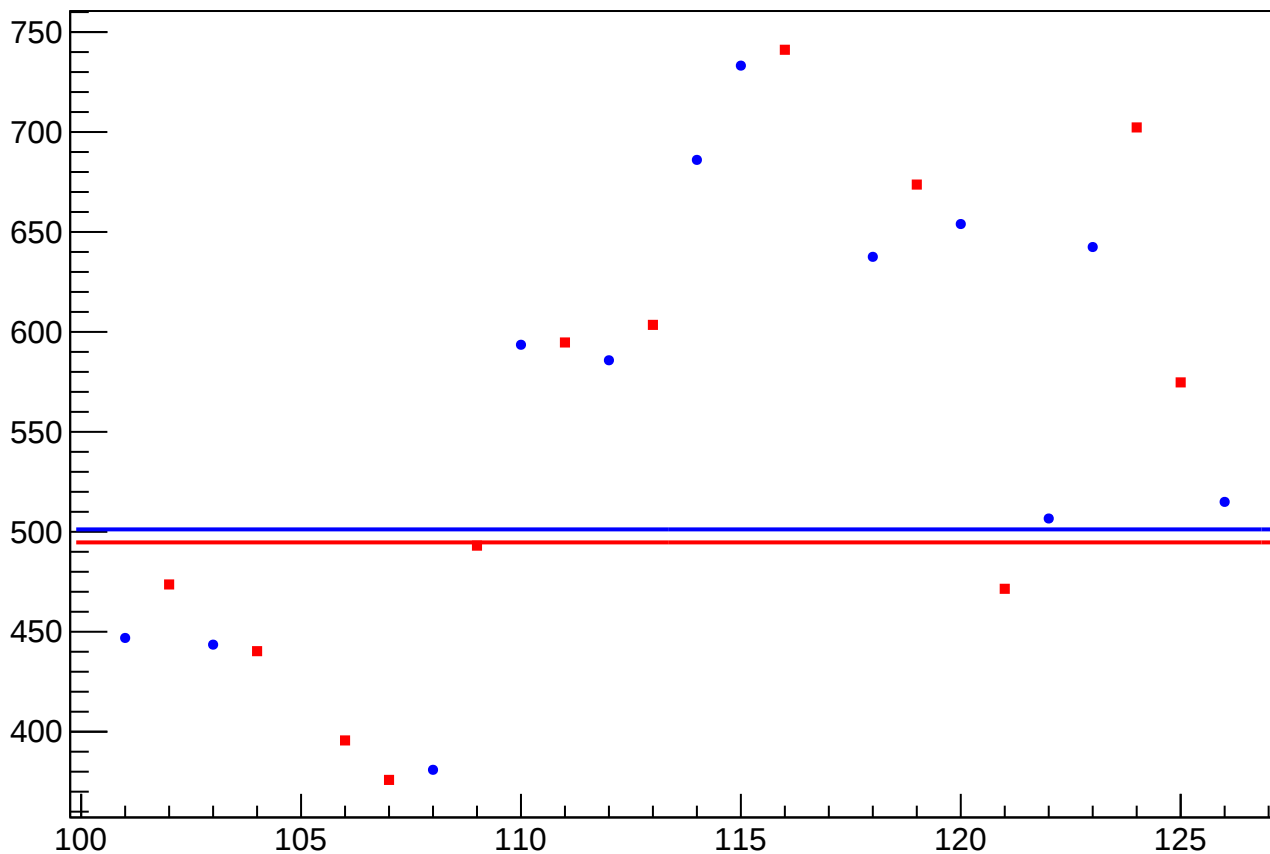
Right: -106.054+/-169.217  $\chi^2/\text{NDF}$ : 21.0/23

In: -240.729+/-246.877  $\chi^2/\text{NDF}$ : 8.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -106.054+/-169.217  $\chi^2/\text{NDF}$ : 21.0/23

asym\_sam\_13\_57\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 501.209+/-0.175  $\chi^2/\text{NDF}$ : 278071.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 494.701+/-0.164  $\chi^2/\text{NDF}$ : 345245.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

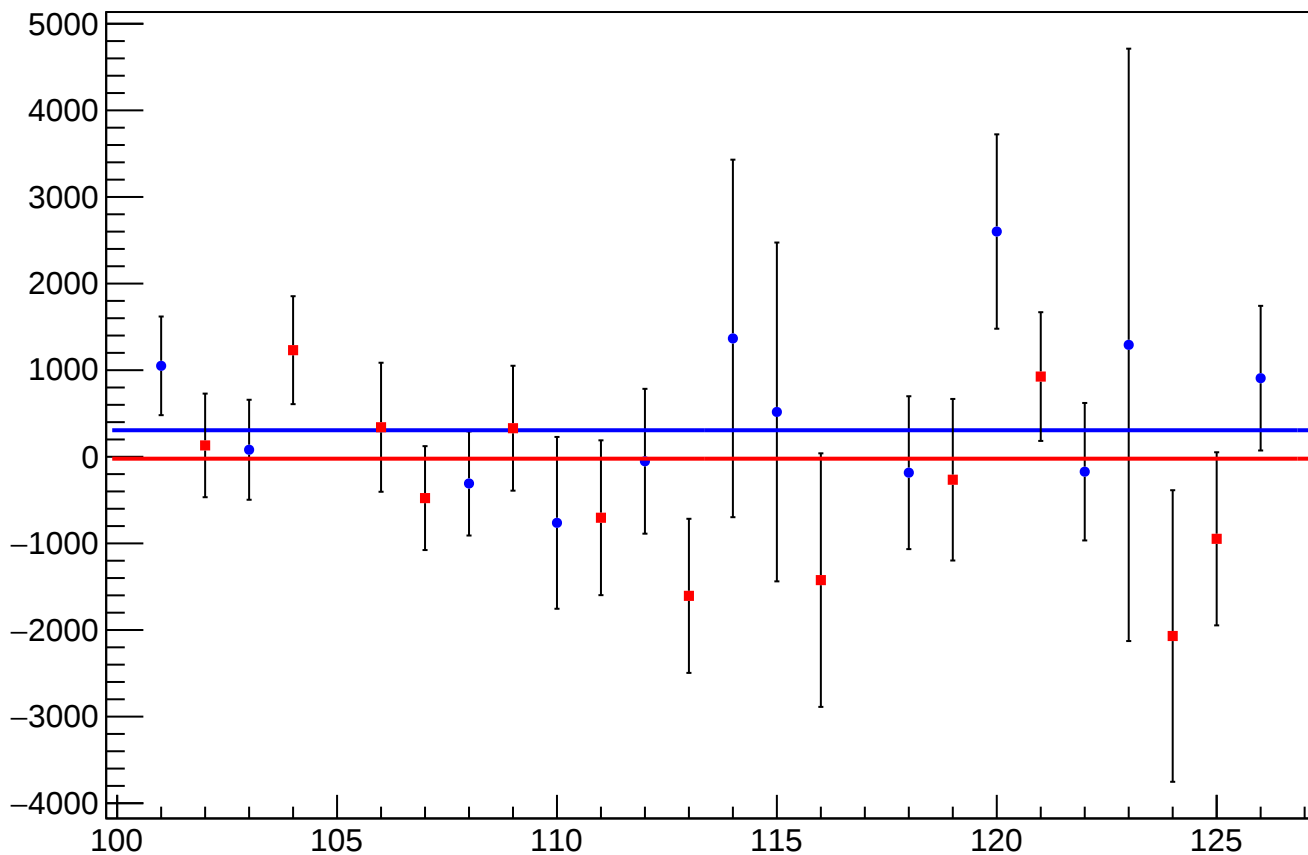
Right: 497.759+/-0.120  $\chi^2/\text{NDF}$ : 624053.1/23

In: 501.209+/-0.175  $\chi^2/\text{NDF}$ : 278071.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 497.759+/-0.120  $\chi^2/\text{NDF}$ : 624053.1/23

asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 306.507 $\pm$ 242.677  $\chi^2$ /NDF: 10.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -21.815 $\pm$ 228.392  $\chi^2$ /NDF: 13.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

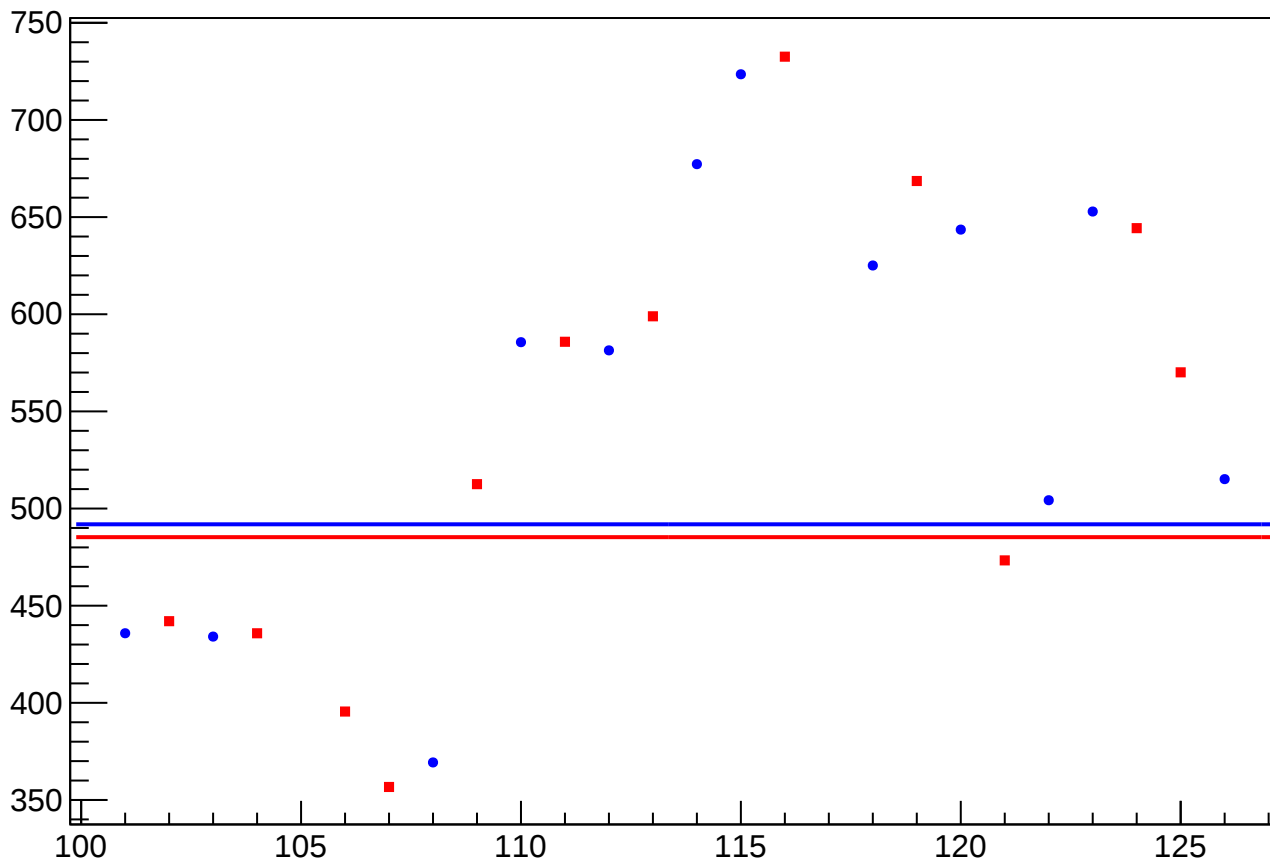
Right: 132.399 $\pm$ 166.318  $\chi^2$ /NDF: 24.8/23

In: 306.507 $\pm$ 242.677  $\chi^2$ /NDF:10.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 132.399 $\pm$ 166.318  $\chi^2$ /NDF: 24.8/23

asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 491.887 $\pm$ 0.172  $\chi^2$ /NDF: 296126.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 485.273 $\pm$ 0.161  $\chi^2$ /NDF: 371920.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

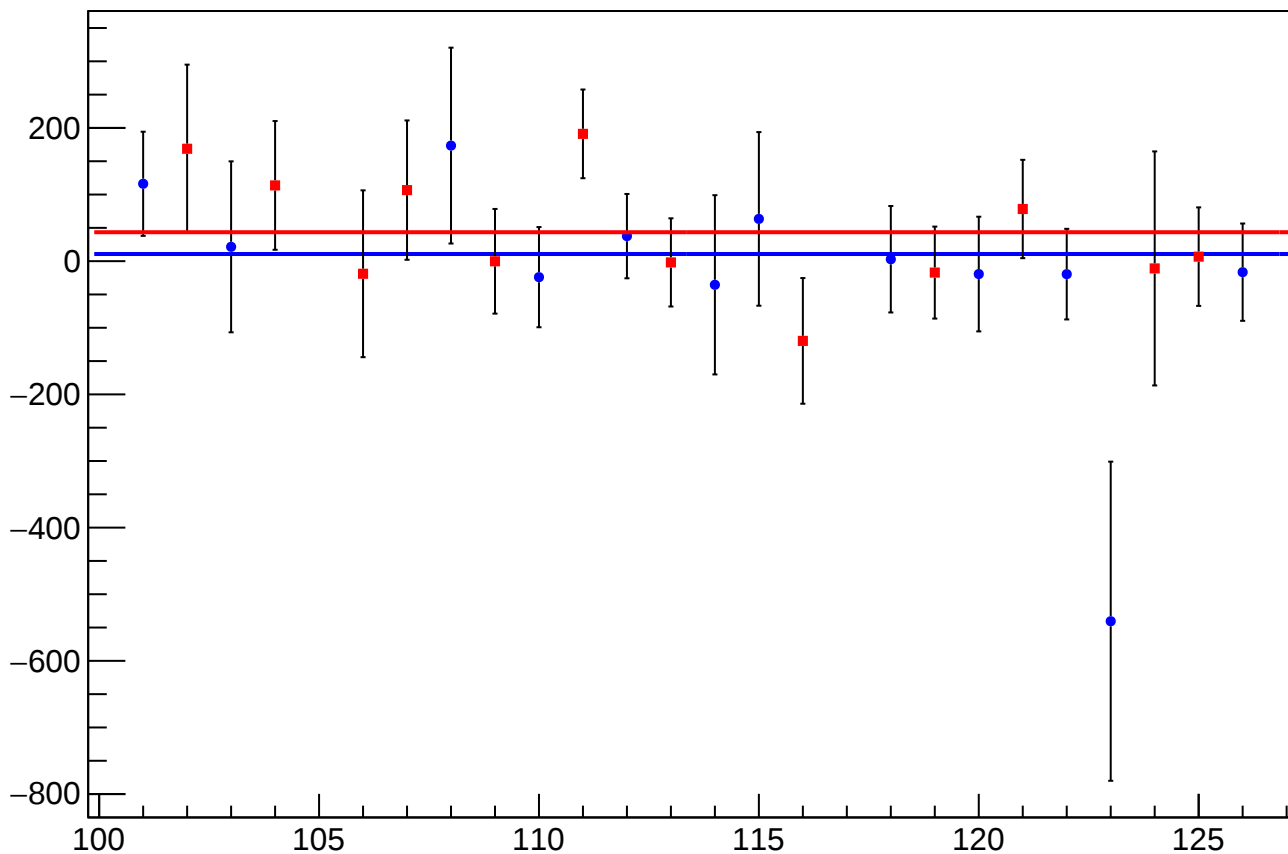
Right: 488.380 $\pm$ 0.118  $\chi^2$ /NDF: 668835.5/23

In: 491.887 $\pm$ 0.172  $\chi^2$ /NDF:296126.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 488.380 $\pm$ 0.118  $\chi^2$ /NDF: 668835.5/23

dit\_asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 10.737 $\pm$ 25.615  $\chi^2$ /NDF: 9.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 43.434 $\pm$ 24.530  $\chi^2$ /NDF: 12.1/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

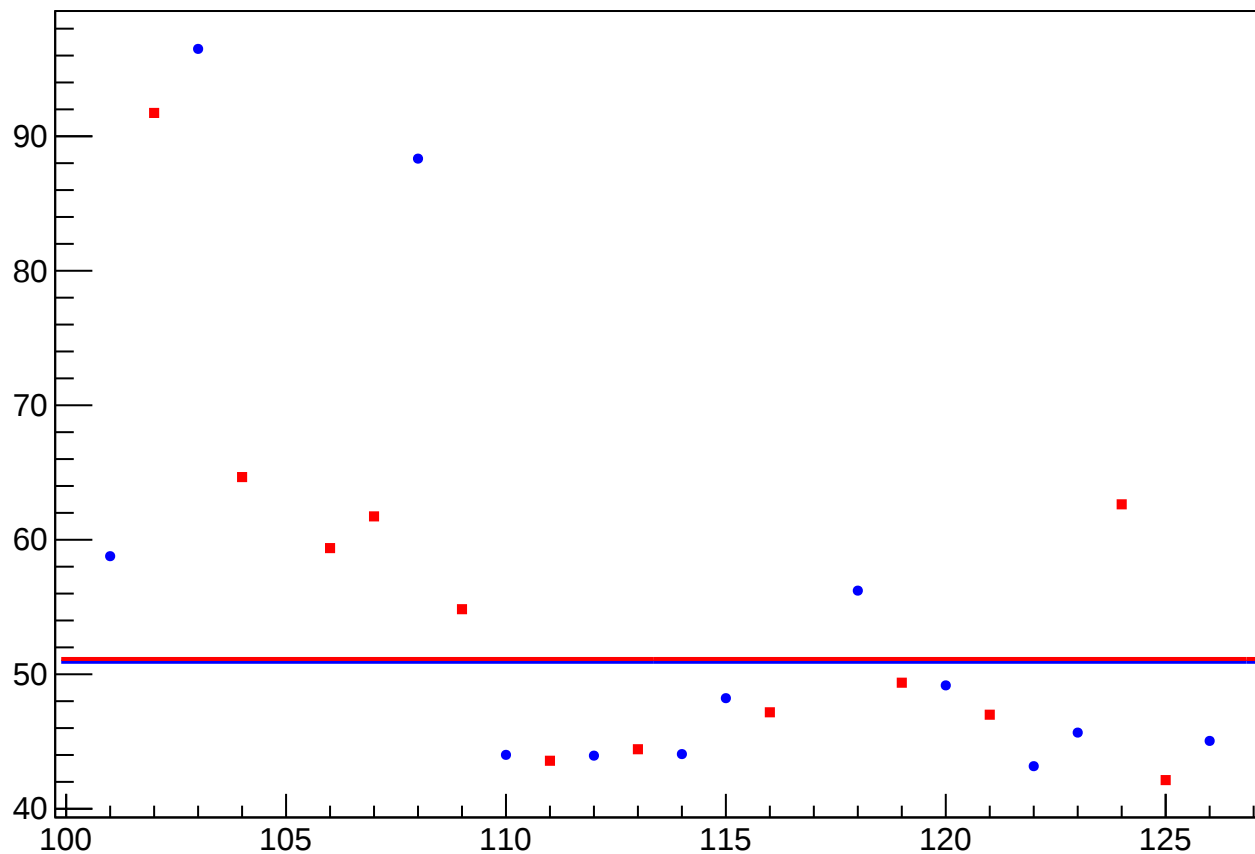
Right: 27.793 $\pm$ 17.717  $\chi^2$ /NDF: 22.5/23

In: 10.737 $\pm$ 25.615  $\chi^2$ /NDF: 9.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 27.793 $\pm$ 17.717  $\chi^2$ /NDF: 22.5/23

dit\_asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 50.928+/-0.018  $\chi^2/\text{NDF}$ : 498803.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 51.138+/-0.017  $\chi^2/\text{NDF}$ : 375355.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

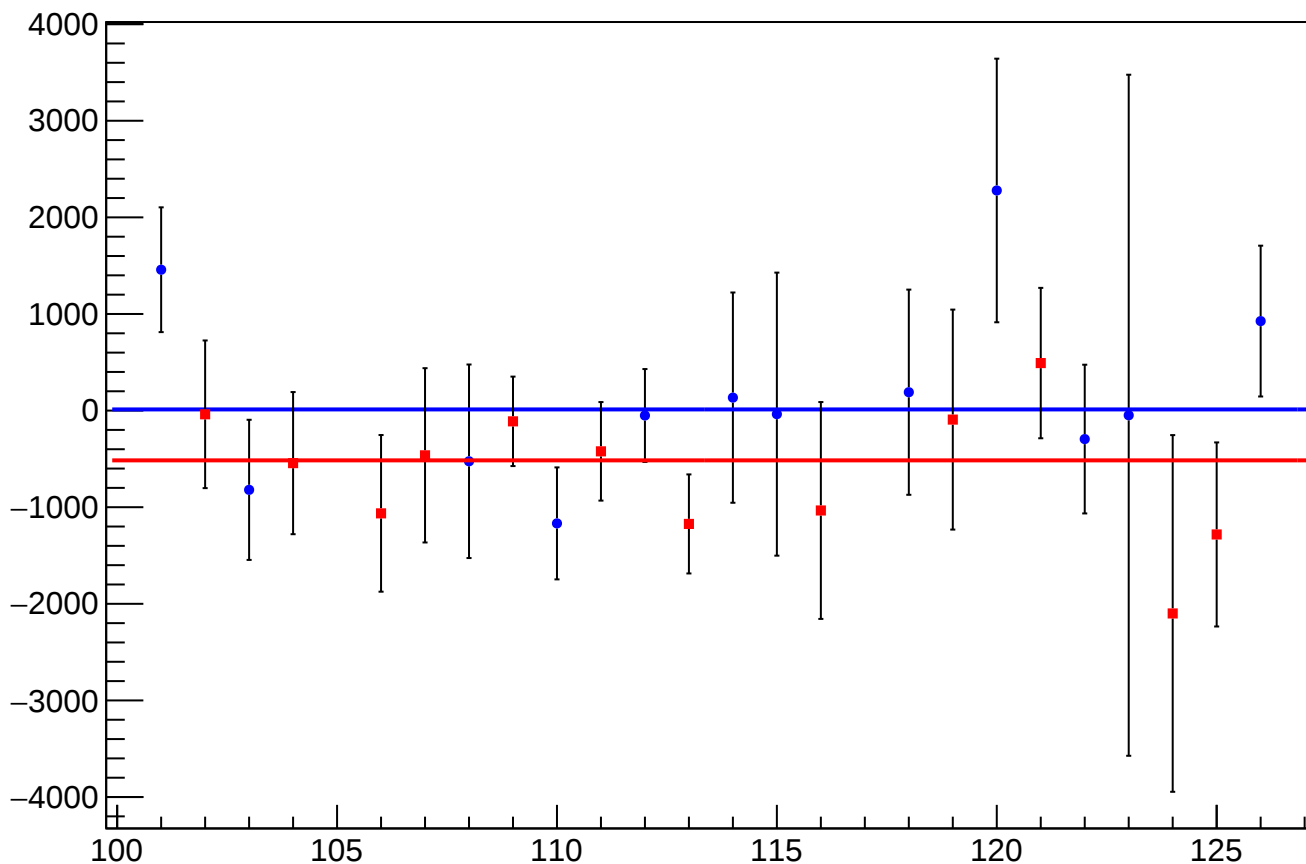
Right: 51.038+/-0.013  $\chi^2/\text{NDF}$ : 874229.2/23

In: 50.928+/-0.018  $\chi^2/\text{NDF}$ : 498803.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 51.038+/-0.013  $\chi^2/\text{NDF}$ : 874229.2/23

asym\_sam\_15\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 12.064 $\pm$ 230.986  $\chi^2/\text{NDF}$ : 15.1/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -515.218 $\pm$ 207.442  $\chi^2/\text{NDF}$ : 6.7/11

Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

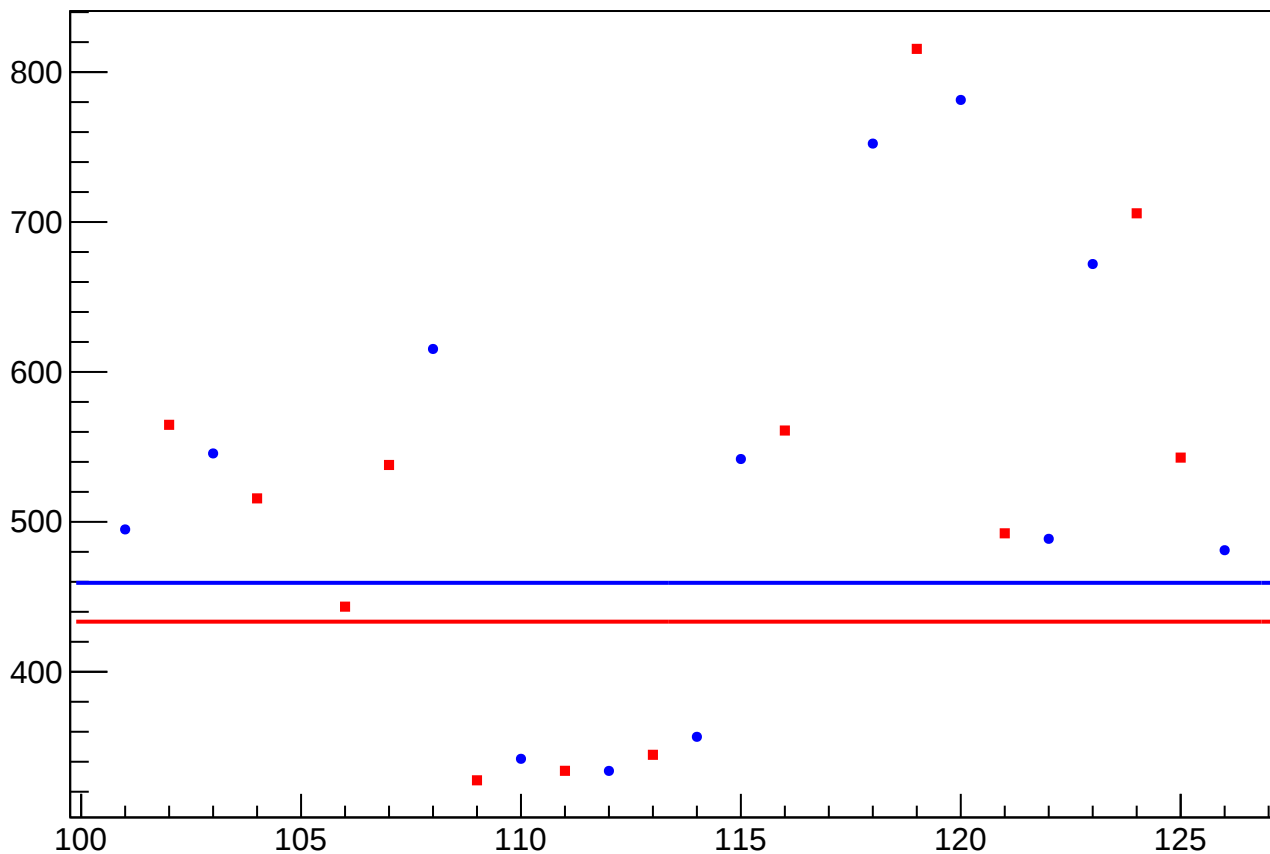
Right: -279.811 $\pm$ 154.339  $\chi^2/\text{NDF}$ : 24.7/23

In: 12.064 $\pm$ 230.986  $\chi^2/\text{NDF}$ : 15.1/11

Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -279.811 $\pm$ 154.339  $\chi^2/\text{NDF}$ : 24.7/23

asym\_sam\_15\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 459.340+/-0.163  $\chi^2/\text{NDF}$ : 600740.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 433.435+/-0.147  $\chi^2/\text{NDF}$ : 684254.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

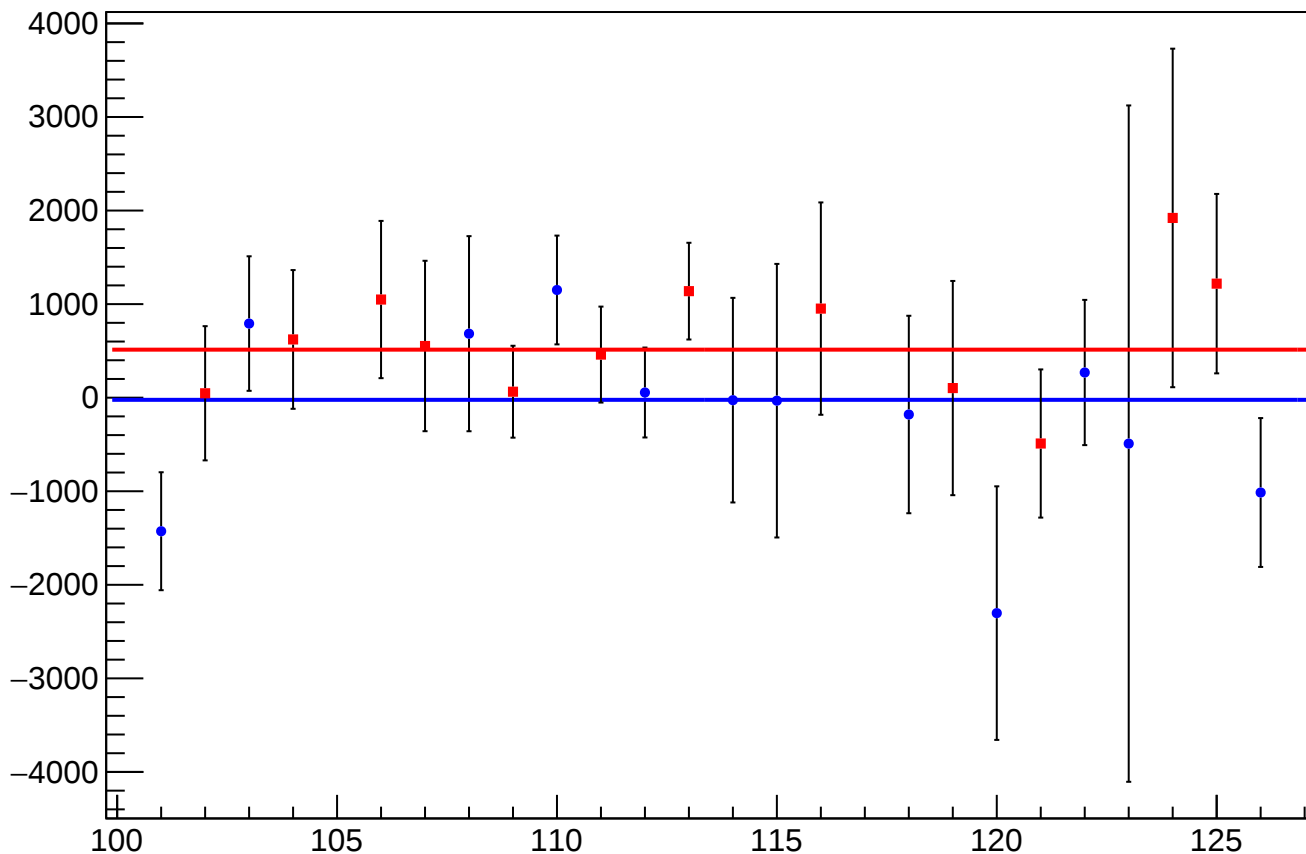
Right: 445.000+/-0.109  $\chi^2/\text{NDF}$ : 1298919.6/23

In: 459.340+/-0.163  $\chi^2/\text{NDF}$ : 600740.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 445.000+/-0.109  $\chi^2/\text{NDF}$ : 1298919.6/23

asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In:  $-22.991 \pm 231.089$   $\chi^2/\text{NDF}$ : 15.4/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $513.283 \pm 210.331$   $\chi^2/\text{NDF}$ : 6.2/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

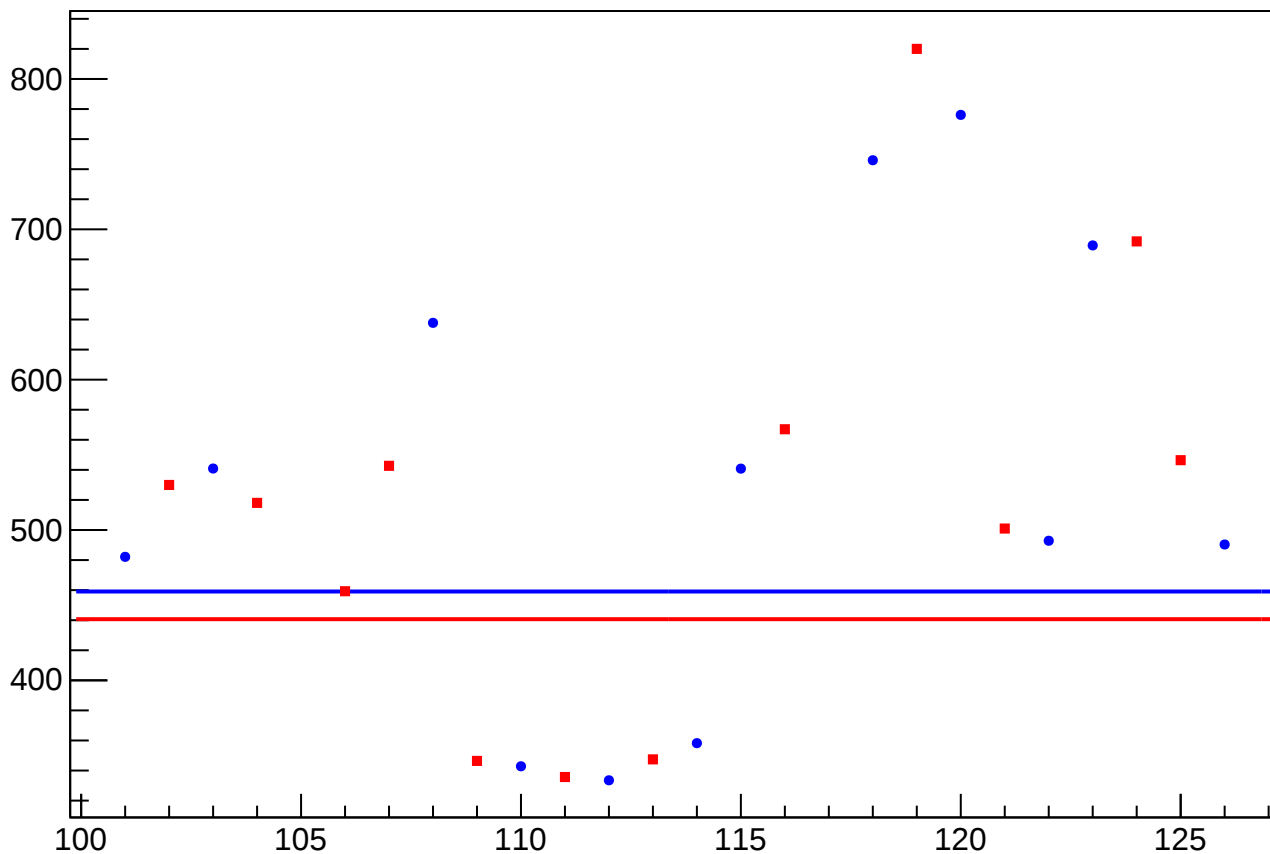
Right:  $270.310 \pm 155.548$   $\chi^2/\text{NDF}$ : 24.5/23

In:  $-22.991 \pm 231.089$   $\chi^2/\text{NDF}$ : 15.4/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $270.310 \pm 155.548$   $\chi^2/\text{NDF}$ : 24.5/23

asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 459.088+/-0.163  $\chi^2/\text{NDF}$ : 599422.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 440.677+/-0.149  $\chi^2/\text{NDF}$ : 620340.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

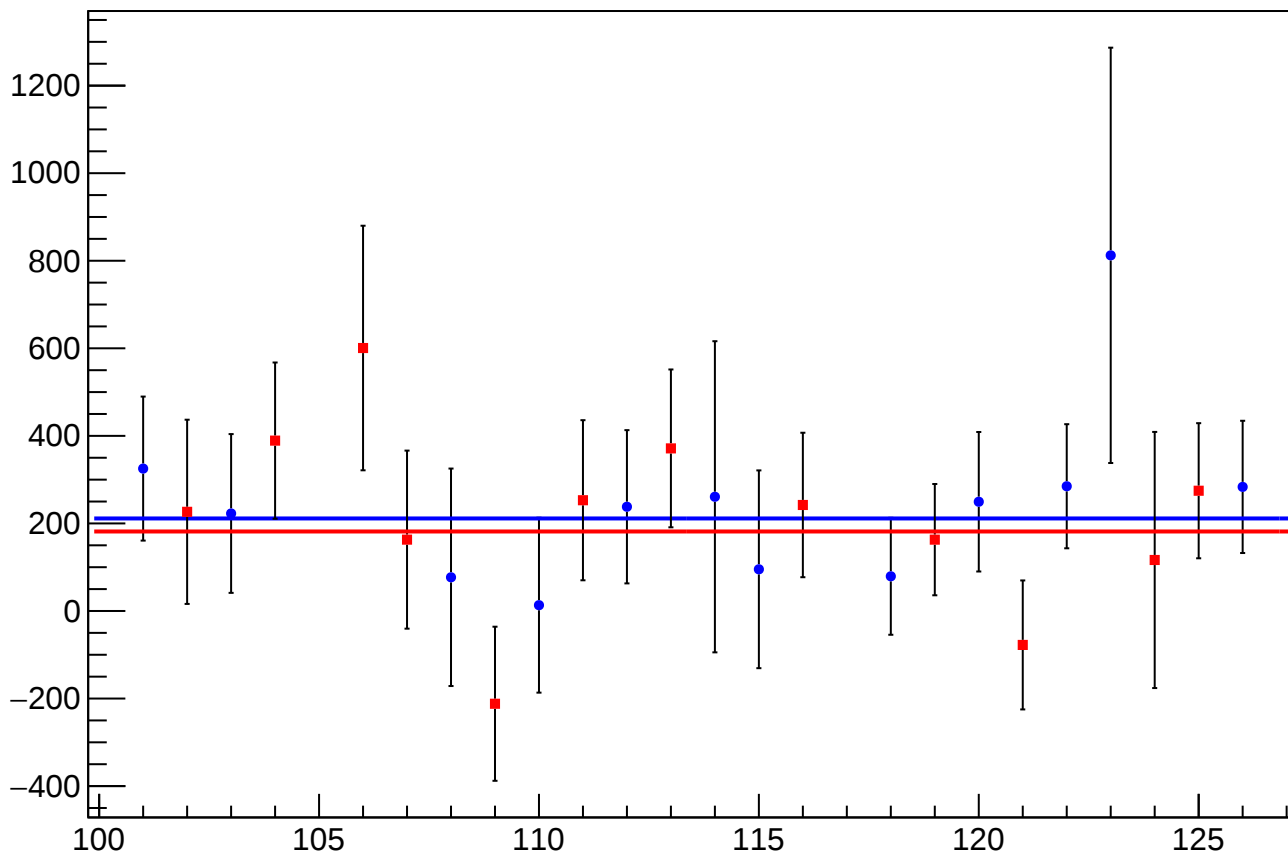
Right: 449.019+/-0.110  $\chi^2/\text{NDF}$ : 1226705.0/23

In: 459.088+/-0.163  $\chi^2/\text{NDF}$ : 599422.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 449.019+/-0.110  $\chi^2/\text{NDF}$ : 1226705.0/23

dit\_asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 211.349 $\pm$ 52.539  $\chi^2$ /NDF: 5.2/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 181.591 $\pm$ 51.140  $\chi^2$ /NDF: 13.6/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

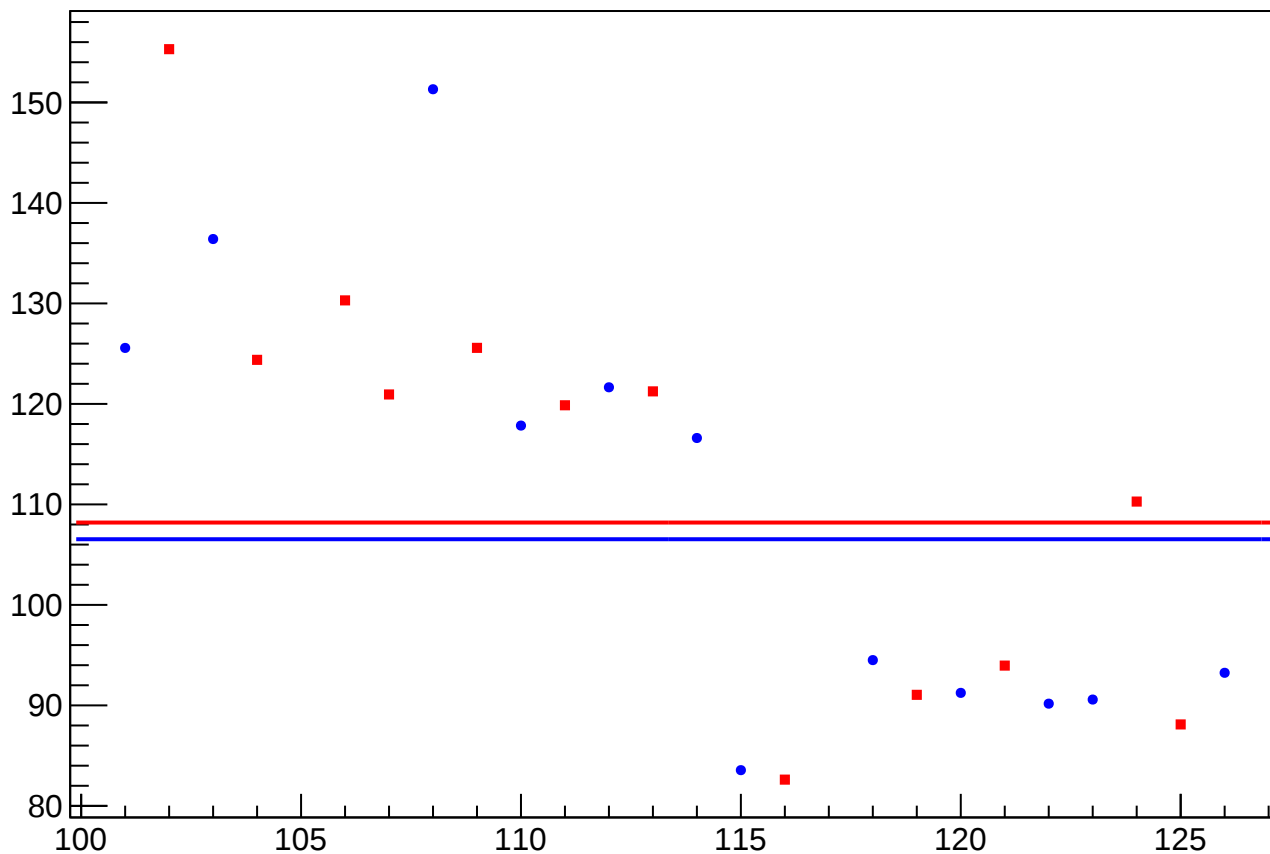
Right: 196.068 $\pm$ 36.646  $\chi^2$ /NDF: 19.0/23

In: 211.349 $\pm$ 52.539  $\chi^2$ /NDF:5.2/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 196.068 $\pm$ 36.646  $\chi^2$ /NDF: 19.0/23

dit\_asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 106.534+/-0.037  $\chi^2/\text{NDF}$ : 268730.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 108.195+/-0.036  $\chi^2/\text{NDF}$ : 312388.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

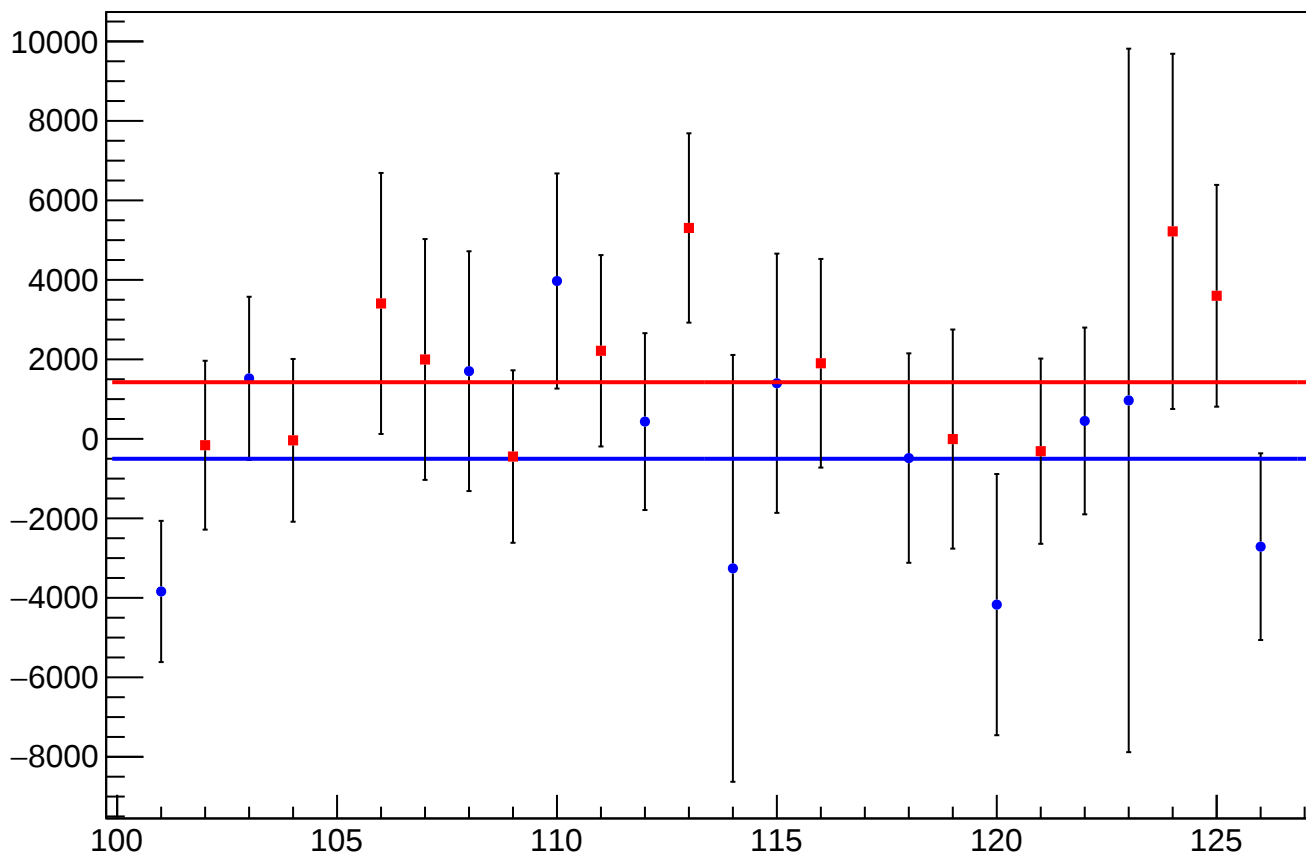
Right: 107.387+/-0.026  $\chi^2/\text{NDF}$ : 582144.6/23

In: 106.534+/-0.037  $\chi^2/\text{NDF}$ : 268730.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 107.387+/-0.026  $\chi^2/\text{NDF}$ : 582144.6/23

asym\_sam\_24\_68\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -501.174+/-757.435  $\chi^2/\text{NDF}$ : 10.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1425.302+/-732.764  $\chi^2/\text{NDF}$ : 7.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

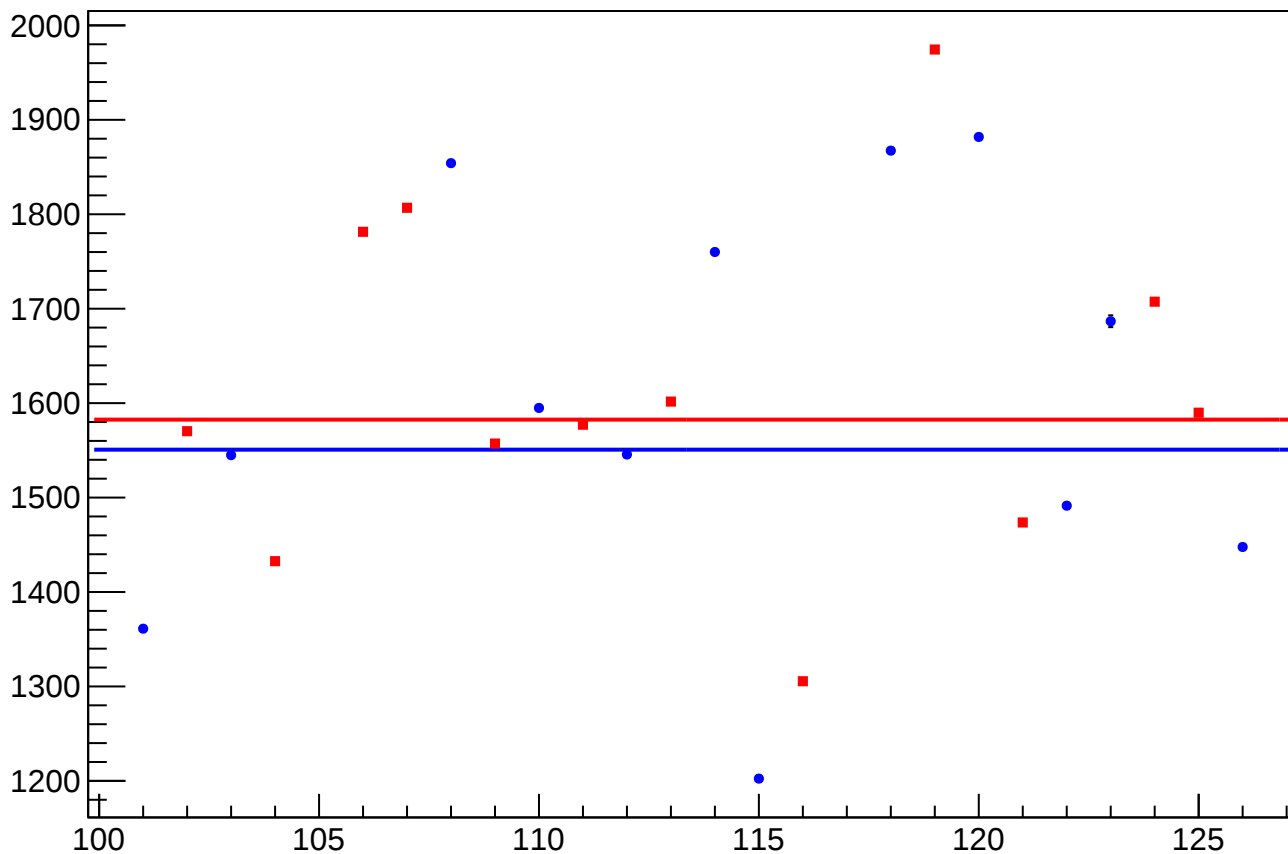
Right: 493.948+/-526.648  $\chi^2/\text{NDF}$ : 21.4/23

In: -501.174+/-757.435  $\chi^2/\text{NDF}$ : 10.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 493.948+/-526.648  $\chi^2/\text{NDF}$ : 21.4/23

asym\_sam\_24\_68\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1550.728+/-0.536  $\chi^2/\text{NDF}$ : 124206.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1582.544+/-0.518  $\chi^2/\text{NDF}$ : 98141.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

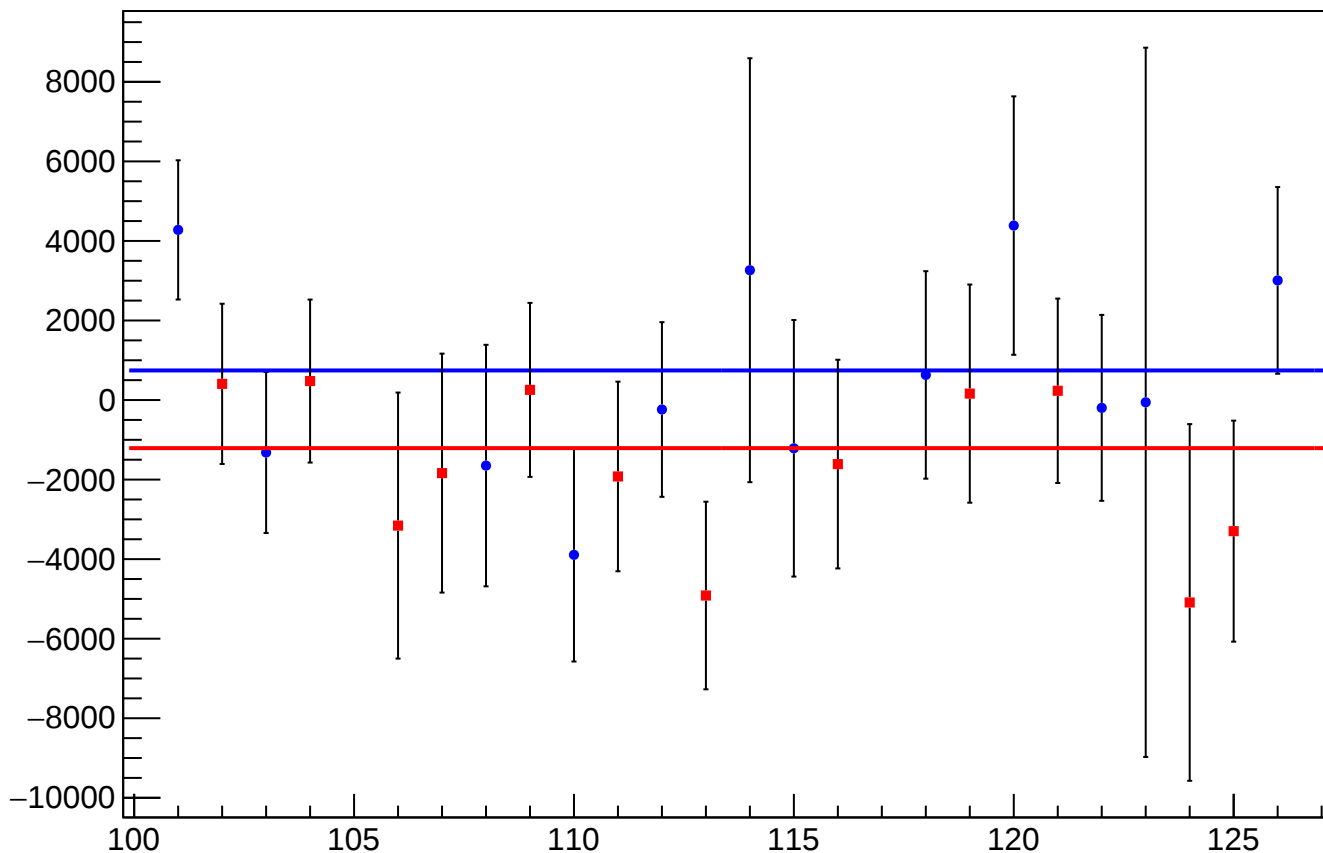
Right: 1567.163+/-0.372  $\chi^2/\text{NDF}$ : 224170.1/23

In: 1550.728+/-0.536  $\chi^2/\text{NDF}$ : 124206.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1567.163+/-0.372  $\chi^2/\text{NDF}$ : 224170.1/23

asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 744.069+/-750.387  $\chi^2/\text{NDF}$ : 11.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1209.164+/-726.755  $\chi^2/\text{NDF}$ : 6.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

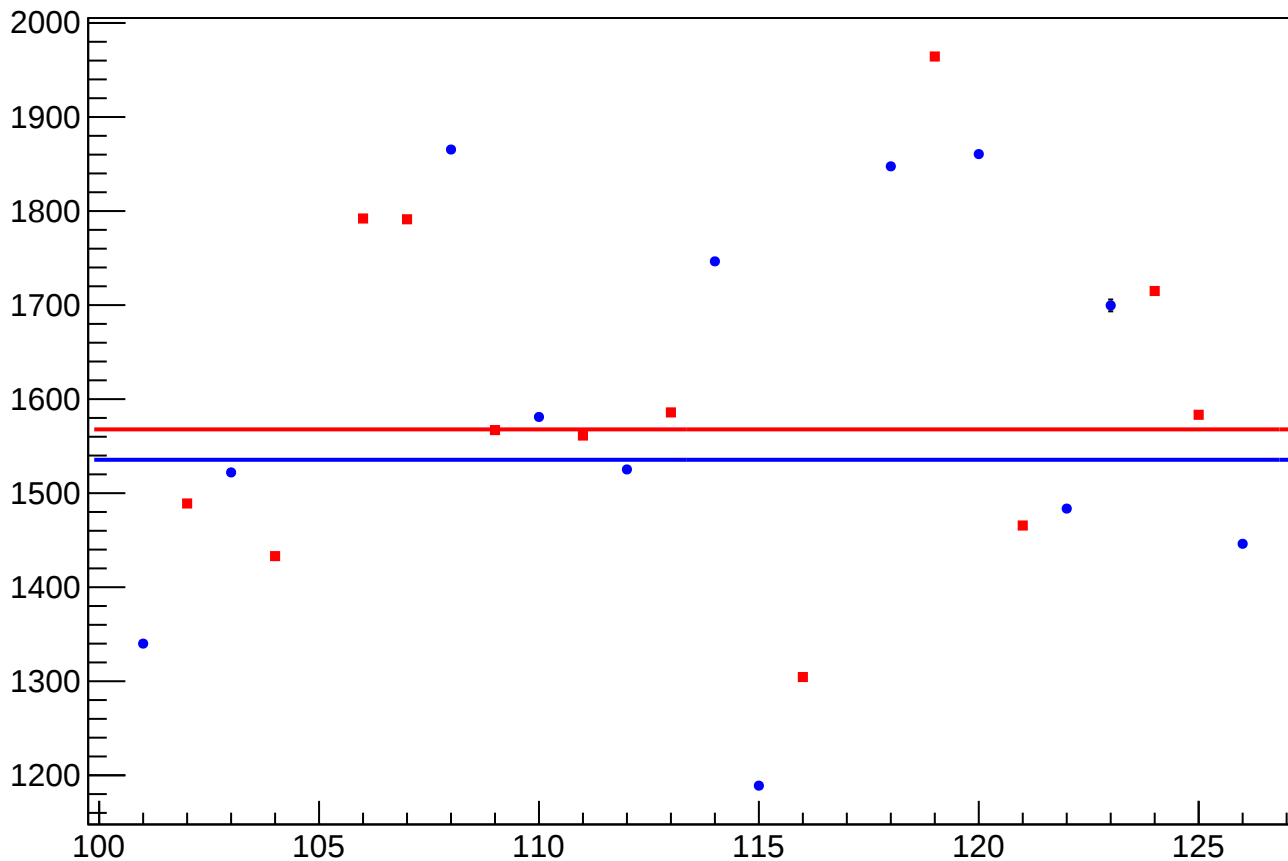
Right: -263.788+/-522.048  $\chi^2/\text{NDF}$ : 22.1/23

In: 744.069+/-750.387  $\chi^2/\text{NDF}$ : 11.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -263.788+/-522.048  $\chi^2/\text{NDF}$ : 22.1/23

# asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 1535.507+/-0.531  $\chi^2/\text{NDF}$ : 128697.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1567.827+/-0.514  $\chi^2/\text{NDF}$ : 99979.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

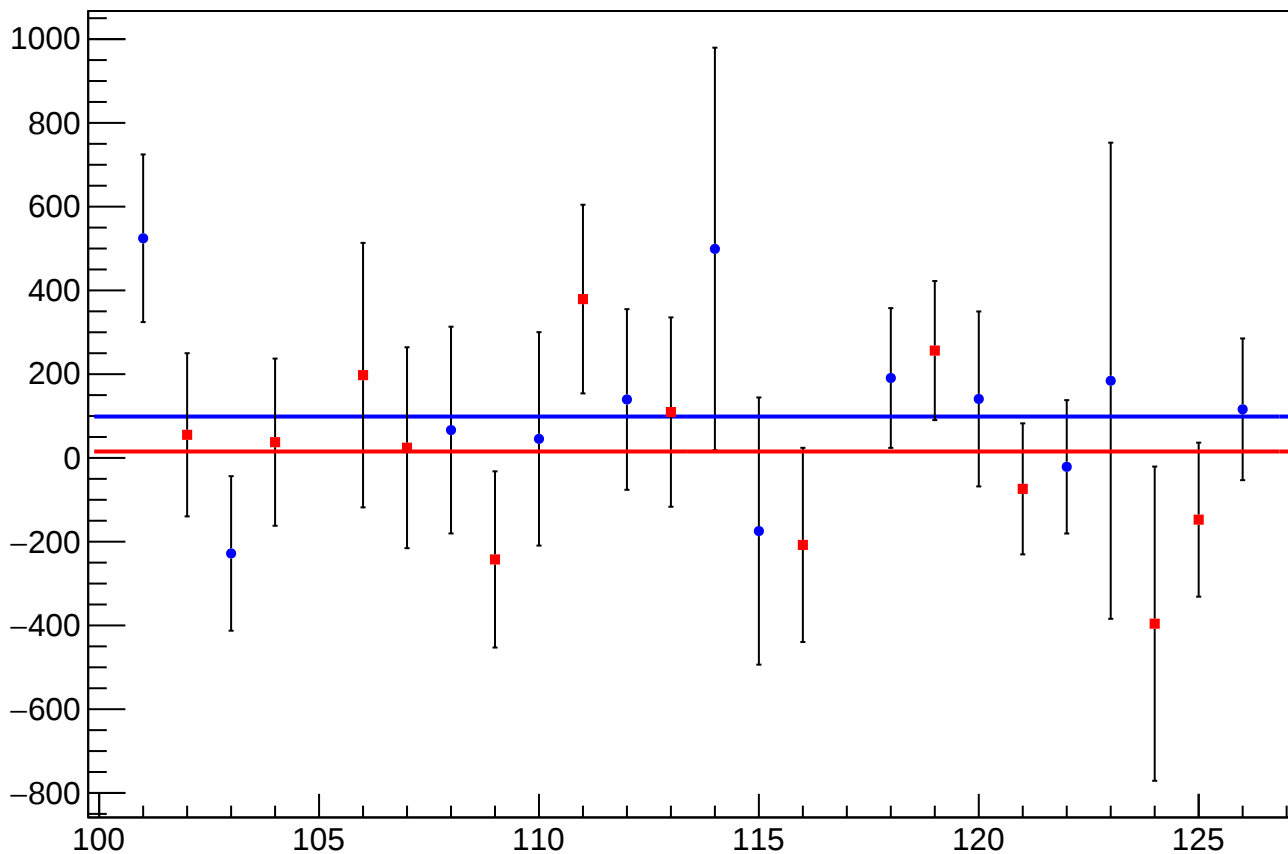
Right: 1552.184+/-0.369  $\chi^2/\text{NDF}$ : 230592.0/23

In: 1535.507+/-0.531  $\chi^2/\text{NDF}$ : 128697.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1552.184+/-0.369  $\chi^2/\text{NDF}$ : 230592.0/23

dit\_asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 98.800 $\pm$ 62.246  $\chi^2$ /NDF: 10.1/11

Left Out: 0.000 $\pm$ -0.000  $\chi^2$ /NDF:0.0/0

Right Out: 15.345 $\pm$ -60.508  $\chi^2$ /NDF: 10.0/11

Left In: 0.000 $\pm$ -0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ -0.000  $\chi^2$ /NDF: 0.0/0

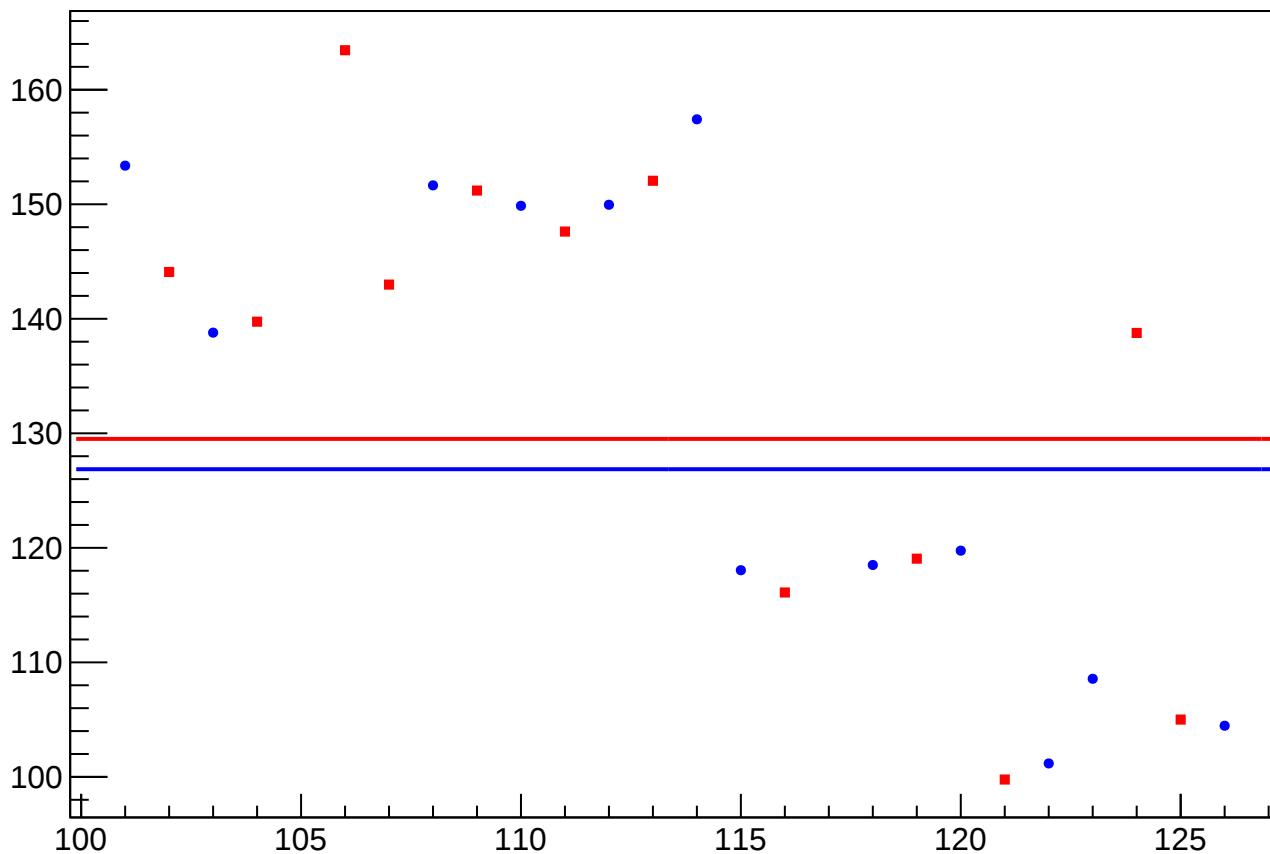
Right: 55.892 $\pm$ -43.387  $\chi^2$ /NDF: 21.1/23

In: 98.800 $\pm$ -62.246  $\chi^2$ /NDF:10.1/11

Out: 0.000 $\pm$ -0.000  $\chi^2$ /NDF:0.0/0

All: 55.892 $\pm$ -43.387  $\chi^2$ /NDF: 21.1/23

dit\_asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 126.865 $\pm$ 0.044  $\chi^2$ /NDF: 208949.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 129.513 $\pm$ 0.043  $\chi^2$ /NDF: 223564.6/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

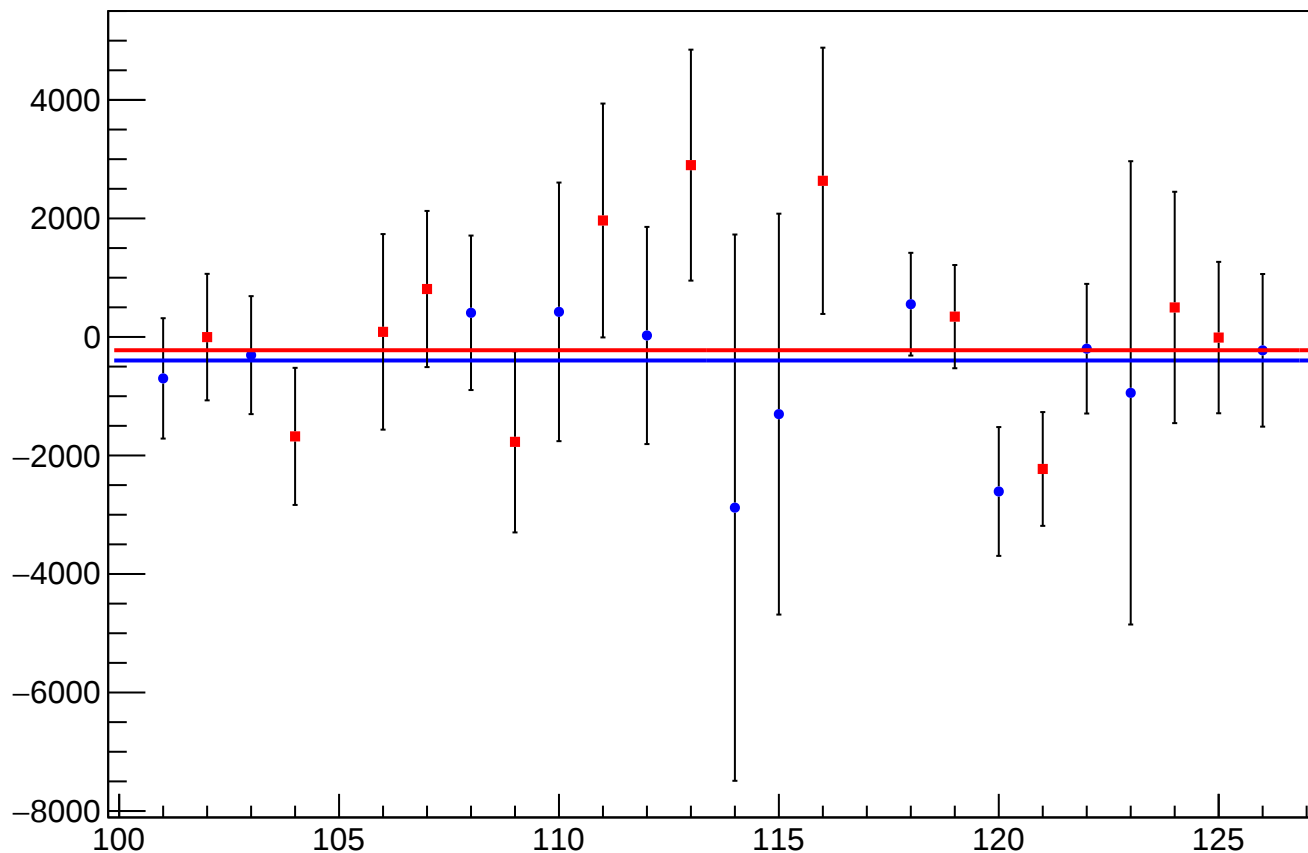
Right: 128.226 $\pm$ 0.031  $\chi^2$ /NDF: 434375.9/23

In: 126.865 $\pm$ 0.044  $\chi^2$ /NDF:208949.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 128.226 $\pm$ 0.031  $\chi^2$ /NDF: 434375.9/23

asym\_sam\_26\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -397.029+/-380.950  $\chi^2/\text{NDF}$ : 6.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -224.004+/-378.168  $\chi^2/\text{NDF}$ : 13.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

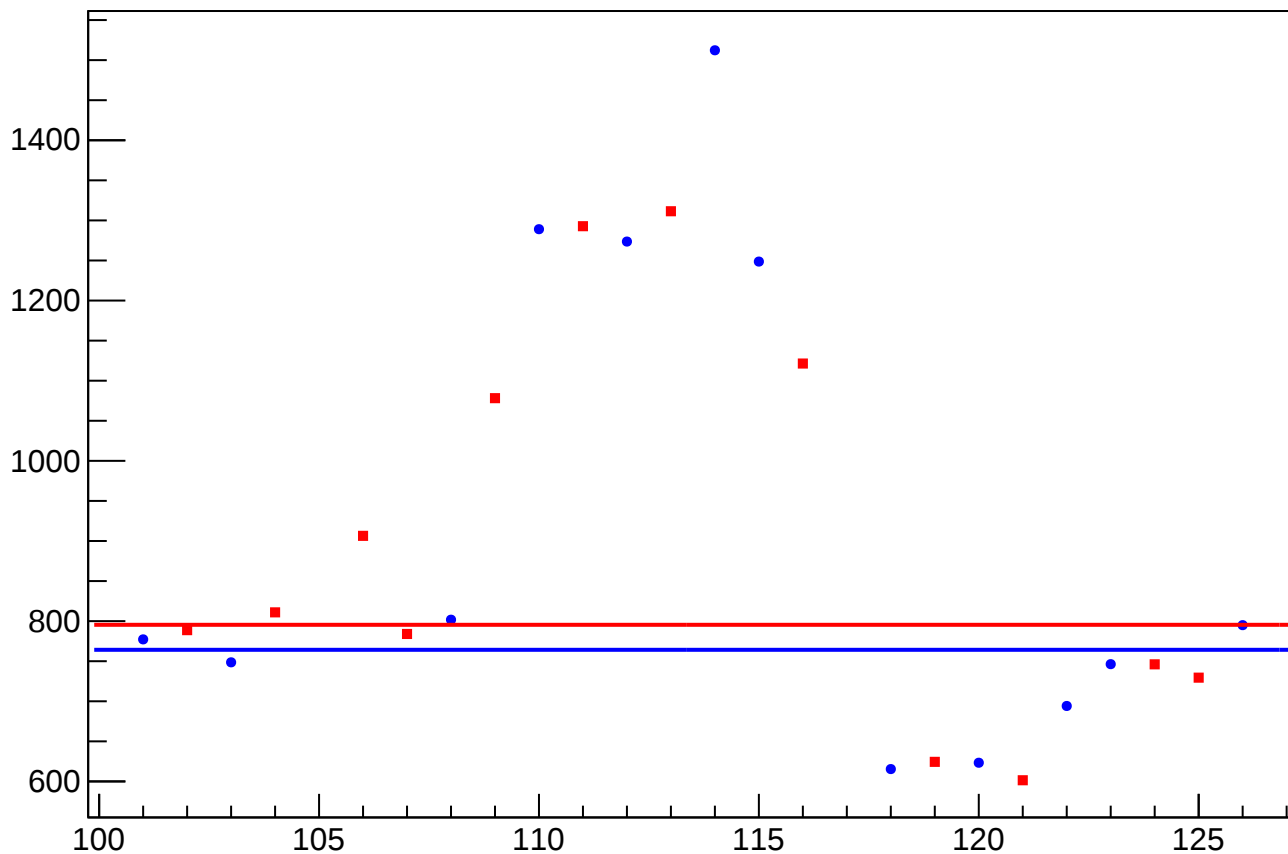
Right: -309.883+/-268.383  $\chi^2/\text{NDF}$ : 20.2/23

In: -397.029+/-380.950  $\chi^2/\text{NDF}$ : 6.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -309.883+/-268.383  $\chi^2/\text{NDF}$ : 20.2/23

asym\_sam\_26\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 764.230+/-0.269  $\chi^2/\text{NDF}$ : 468397.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 795.425+/-0.267  $\chi^2/\text{NDF}$ : 552808.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

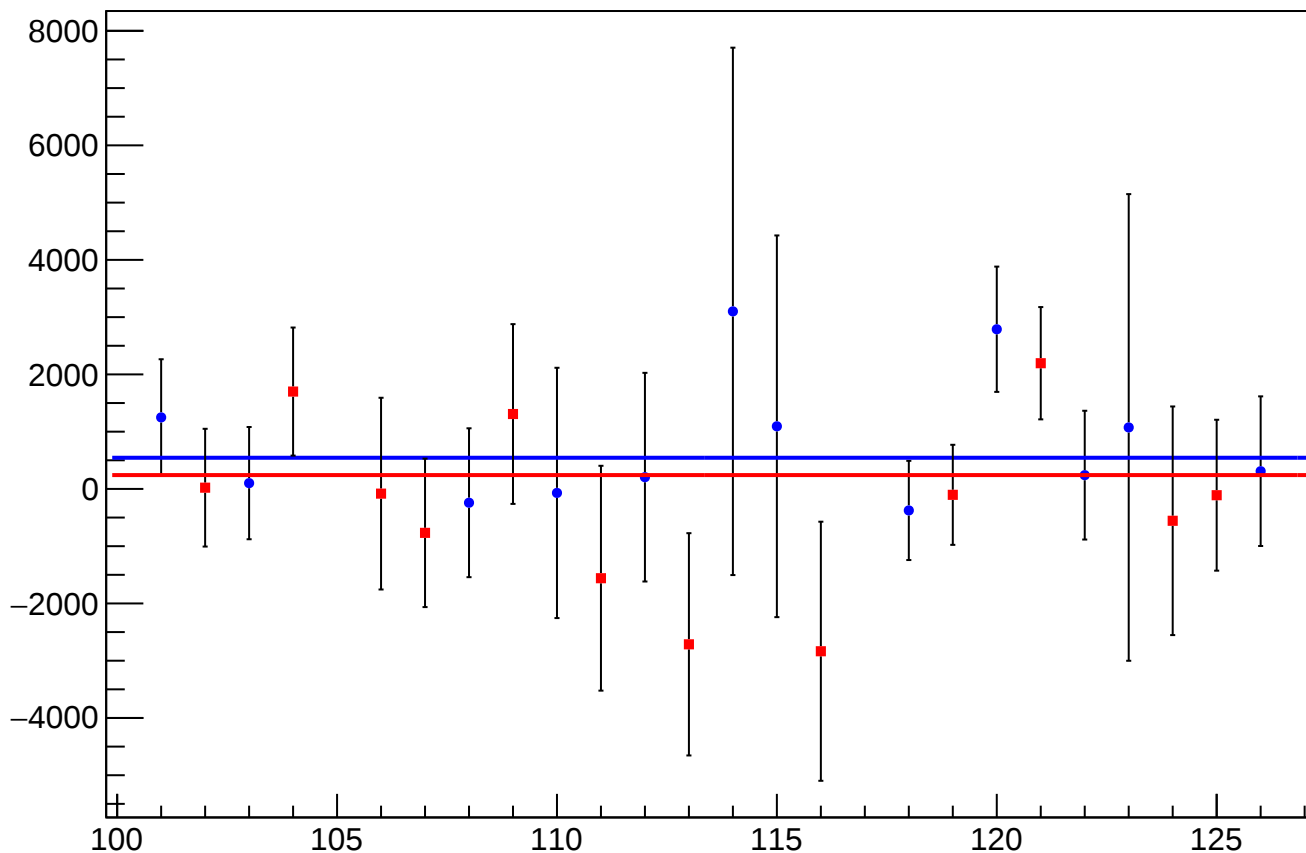
Right: 779.942+/-0.190  $\chi^2/\text{NDF}$ : 1027960.3/23

In: 764.230+/-0.269  $\chi^2/\text{NDF}$ : 468397.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 779.942+/-0.190  $\chi^2/\text{NDF}$ : 1027960.3/23

asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 544.376+/-381.925  $\chi^2/\text{NDF}$ : 7.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 241.751+/-377.946  $\chi^2/\text{NDF}$ : 12.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

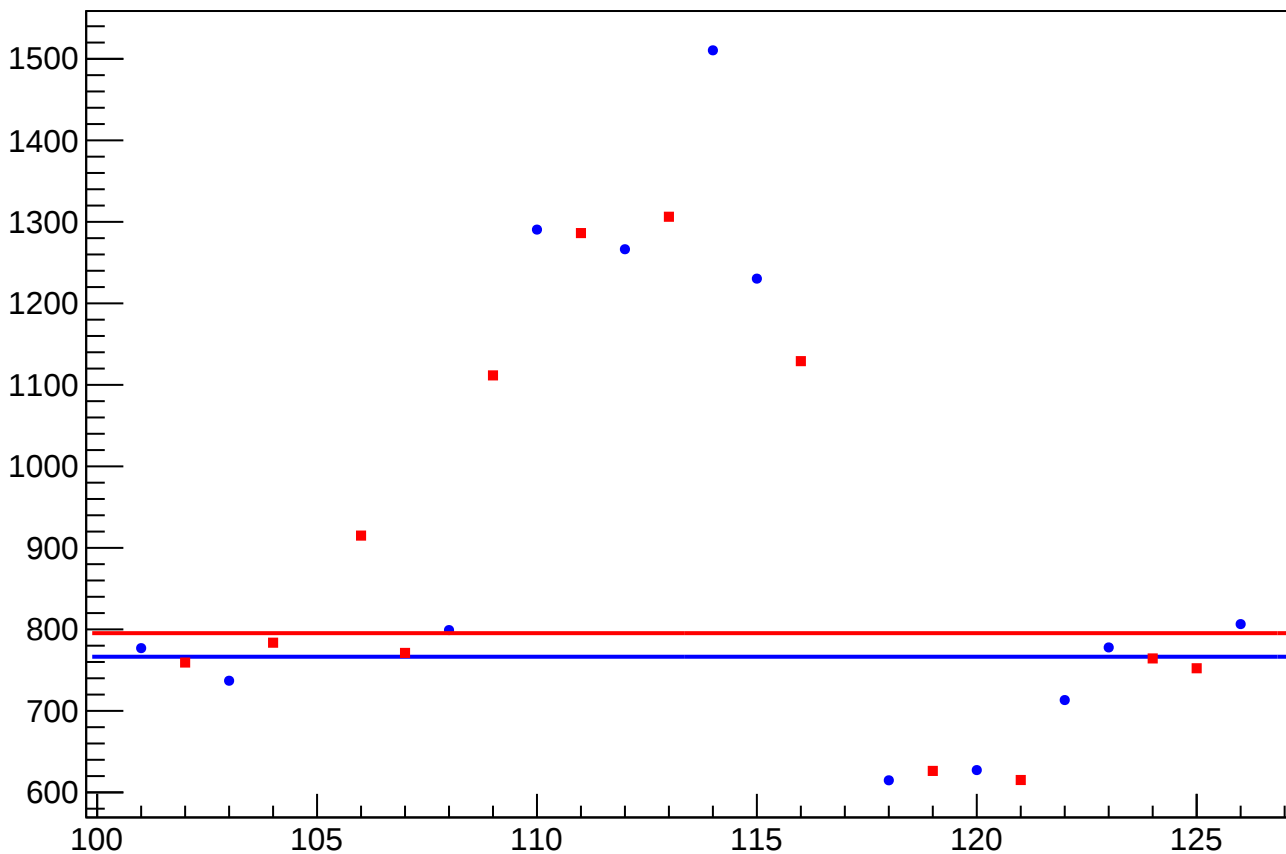
Right: 391.479+/-268.644  $\chi^2/\text{NDF}$ : 19.5/23

In: 544.376+/-381.925  $\chi^2/\text{NDF}$ : 7.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 391.479+/-268.644  $\chi^2/\text{NDF}$ : 19.5/23

asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 766.439+/-0.270  $\chi^2/\text{NDF}$ : 459797.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 795.360+/-0.267  $\chi^2/\text{NDF}$ : 546910.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

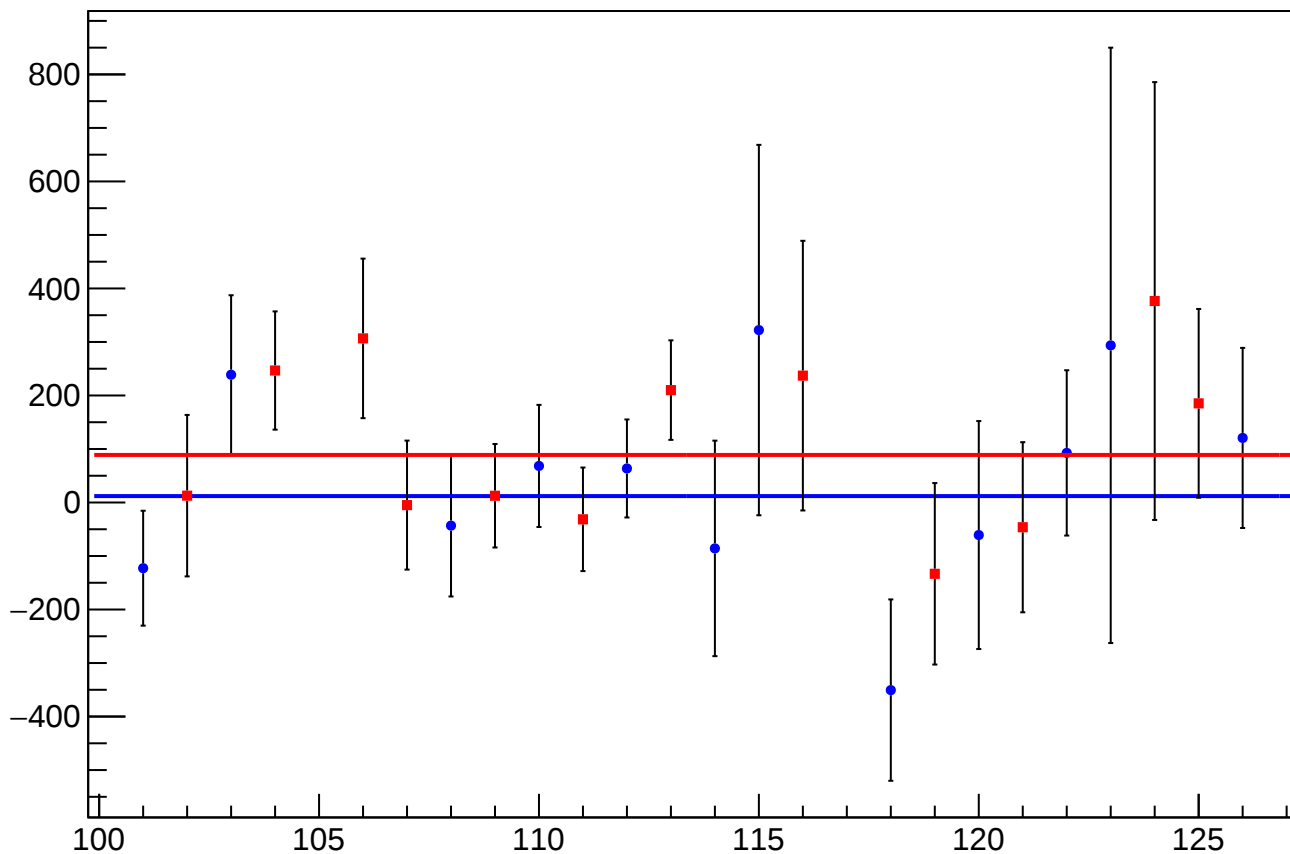
Right: 781.051+/-0.190  $\chi^2/\text{NDF}$ : 1012501.8/23

In: 766.439+/-0.270  $\chi^2/\text{NDF}$ : 459797.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 781.051+/-0.190  $\chi^2/\text{NDF}$ : 1012501.8/23

dit\_asym\_sam\_1548\_avg\_mean vs Slug, Sign Corrected



Right In: 11.967 $\pm$ 42.434  $\chi^2$ /NDF: 11.3/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 88.884 $\pm$ 37.870  $\chi^2$ /NDF: 12.5/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

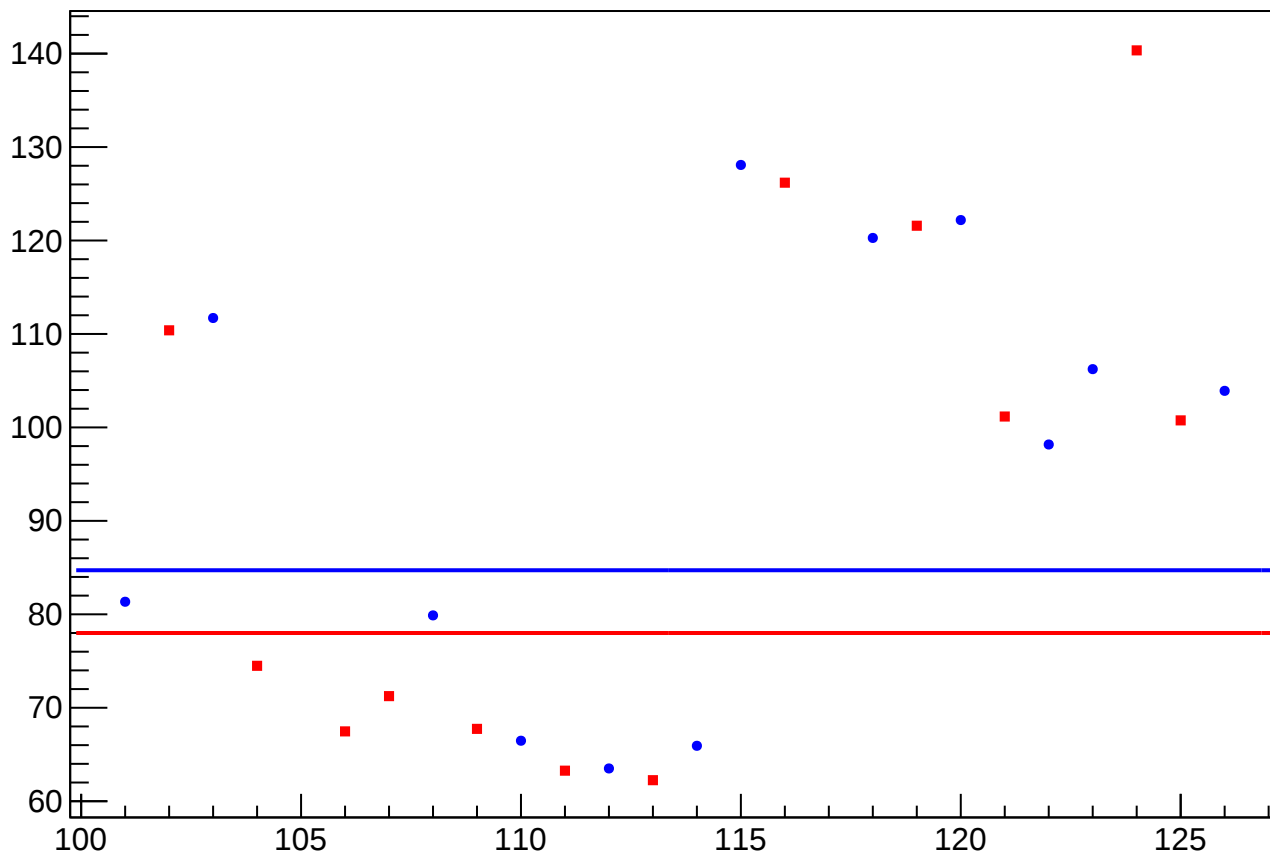
Right: 54.784 $\pm$ 28.255  $\chi^2$ /NDF: 25.6/23

In: 11.967 $\pm$ 42.434  $\chi^2$ /NDF: 11.3/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 54.784 $\pm$ 28.255  $\chi^2$ /NDF: 25.6/23

dit\_asym\_sam\_1548\_avg\_rms vs Slug, Sign Corrected



Right In: 84.716+/-0.030  $\chi^2/\text{NDF}$ : 471912.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 78.001+/-0.027  $\chi^2/\text{NDF}$ : 564153.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

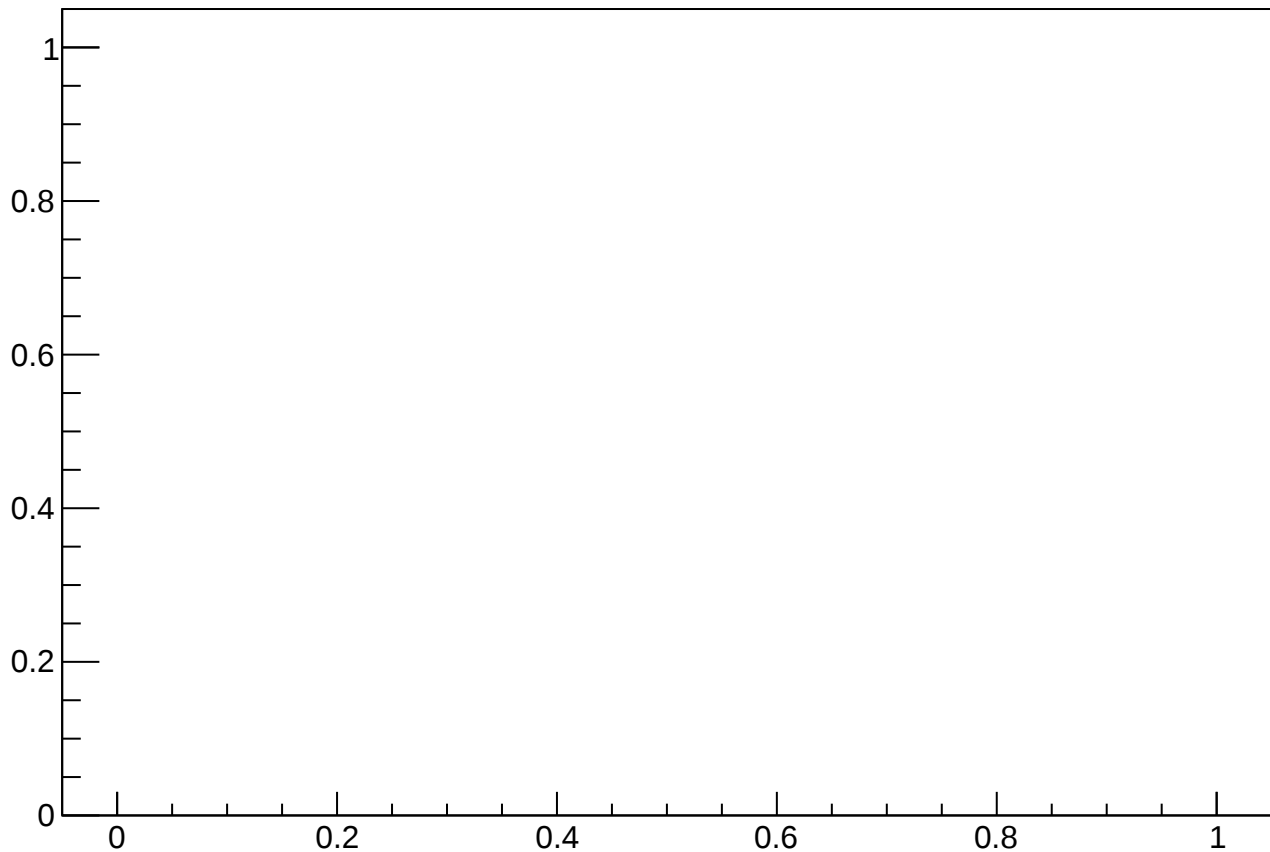
Right: 80.978+/-0.020  $\chi^2/\text{NDF}$ : 1063947.2/23

In: 84.716+/-0.030  $\chi^2/\text{NDF}$ : 471912.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 80.978+/-0.020  $\chi^2/\text{NDF}$ : 1063947.2/23

asym\_sam\_1548\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

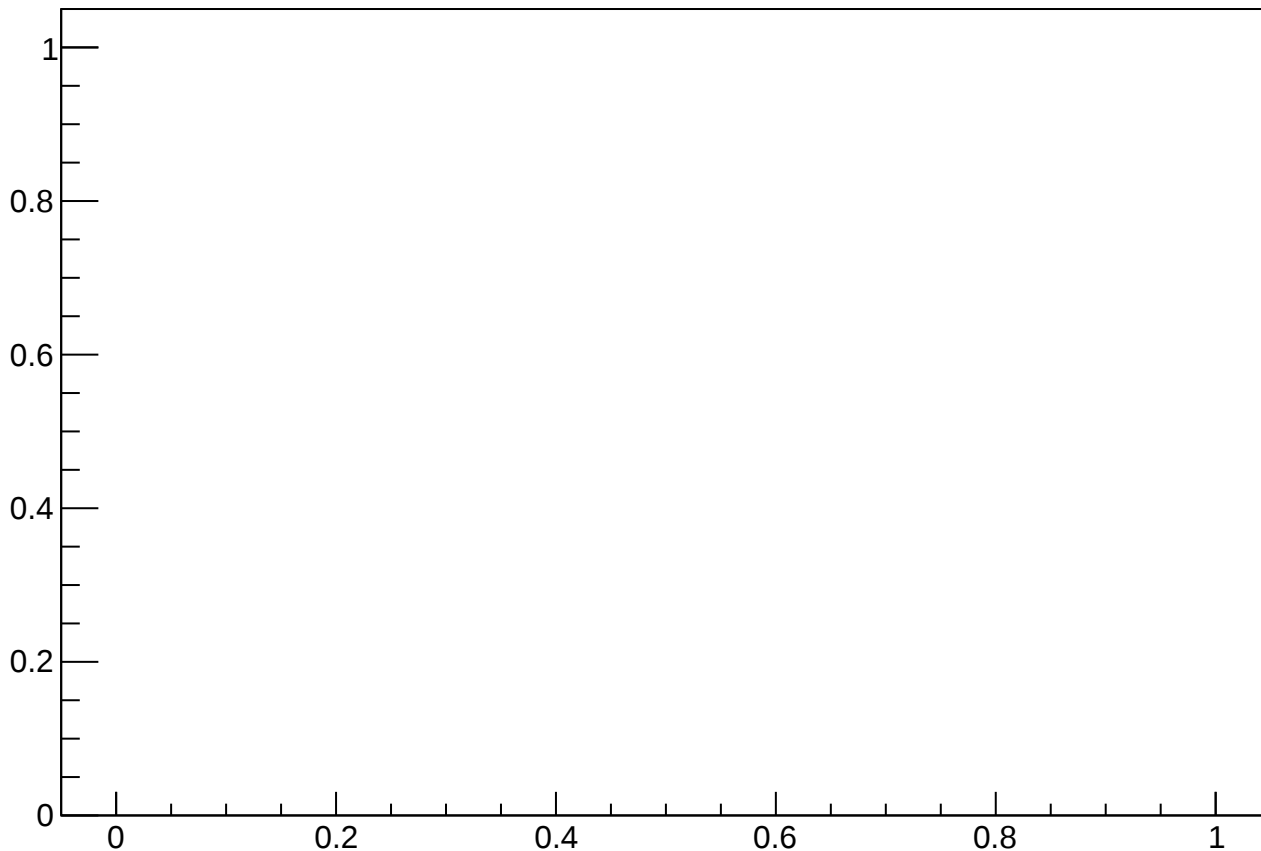
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1548\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

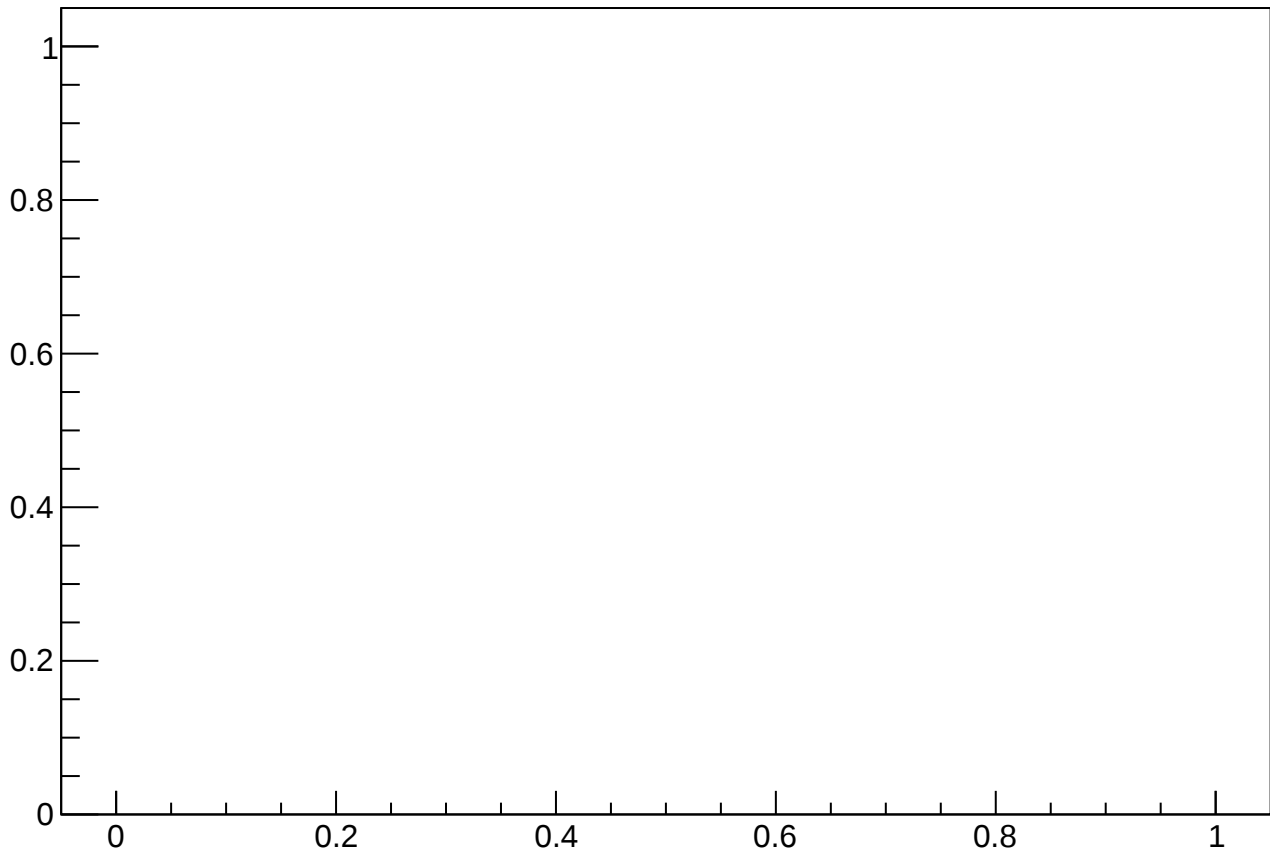
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1548\_avg\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1548\_avg\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

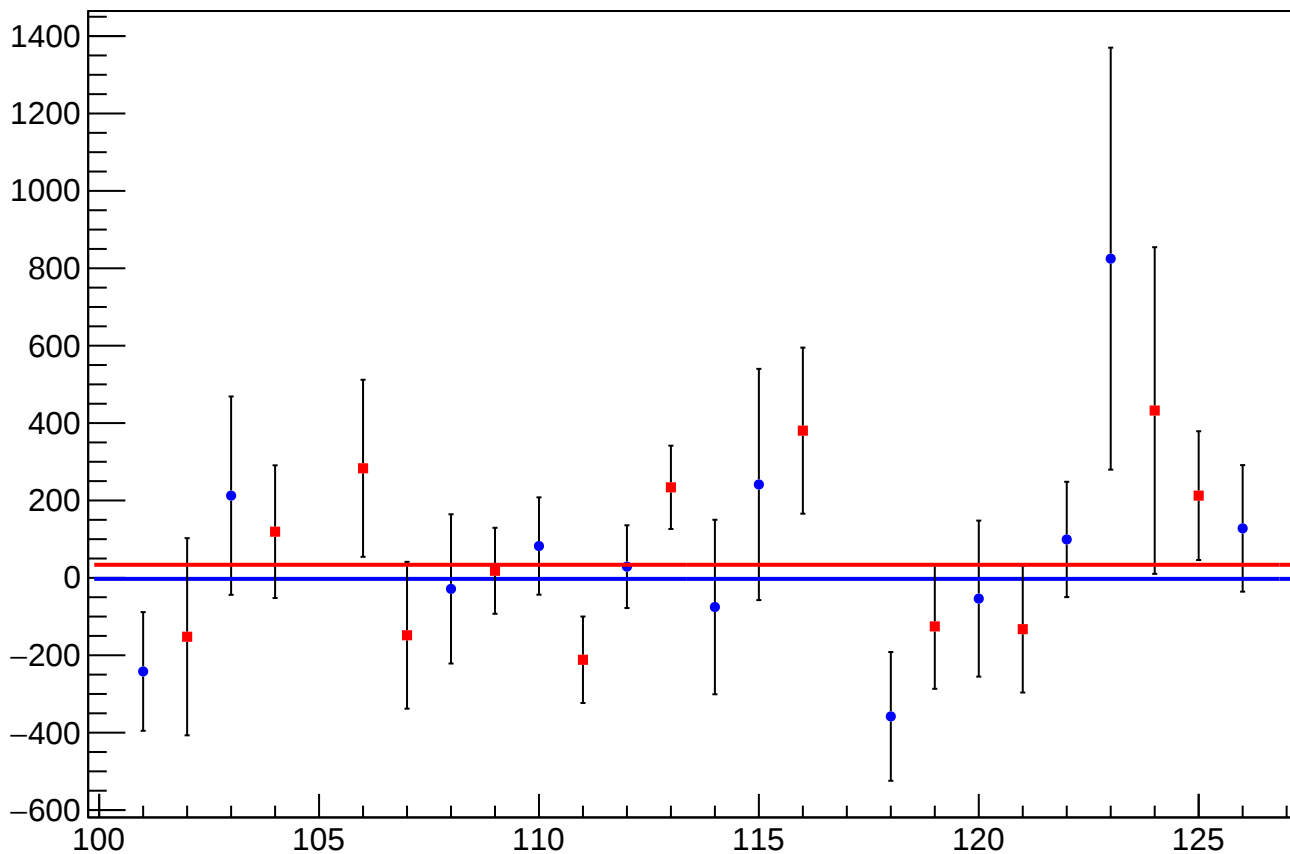
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_3748\_avg\_mean vs Slug, Sign Corrected



Right In: -2.605+/-49.223  $\chi^2/\text{NDF}$ : 12.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 33.798+/-45.503  $\chi^2/\text{NDF}$ : 17.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

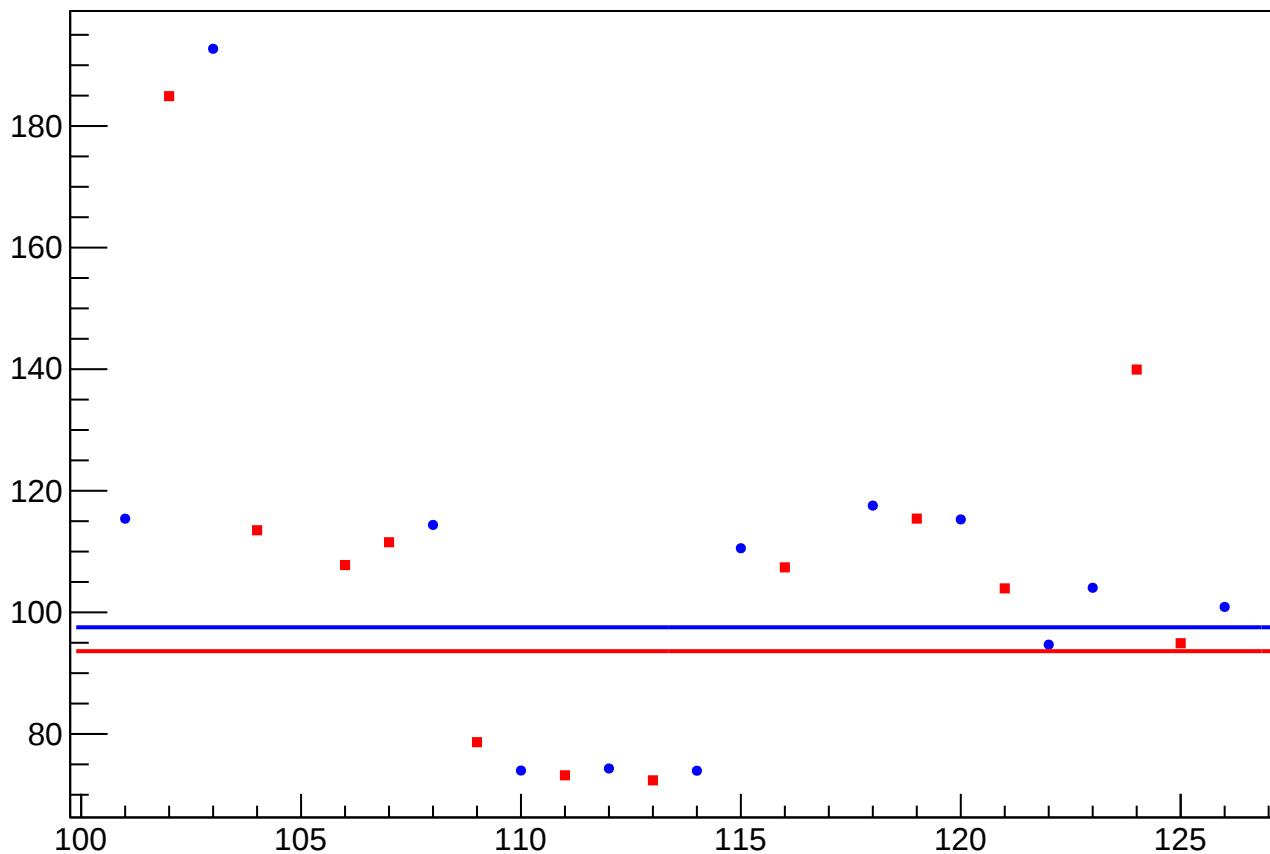
Right: 17.024+/-33.413  $\chi^2/\text{NDF}$ : 30.7/23

In: -2.605+/-49.223  $\chi^2/\text{NDF}$ : 12.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 17.024+/-33.413  $\chi^2/\text{NDF}$ : 30.7/23

dit\_asym\_sam\_3748\_avg\_rms vs Slug, Sign Corrected



Right In: 97.547+/-0.035  $\chi^2/\text{NDF}$ : 554663.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 93.620+/-0.032  $\chi^2/\text{NDF}$ : 567221.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

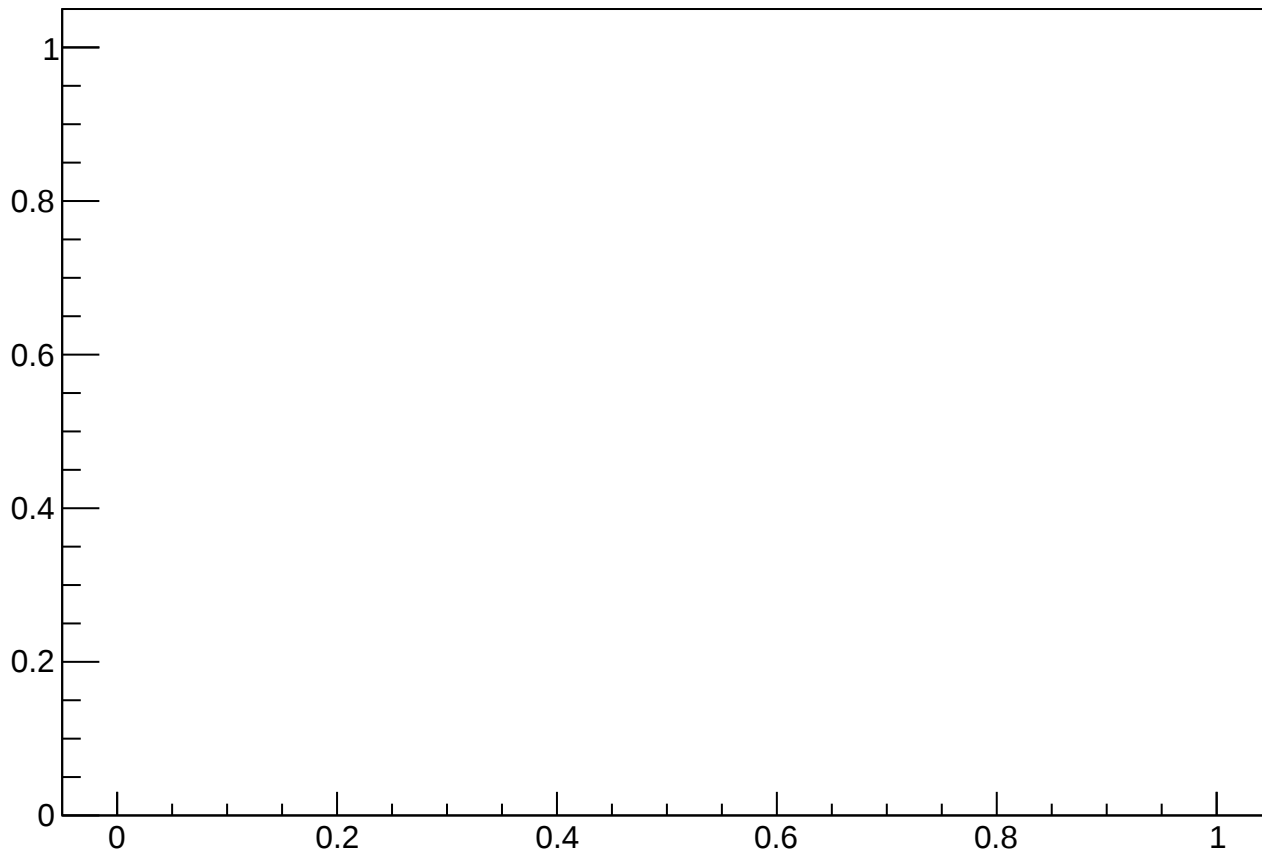
Right: 95.429+/-0.024  $\chi^2/\text{NDF}$ : 1128748.4/23

In: 97.547+/-0.035  $\chi^2/\text{NDF}$ : 554663.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 95.429+/-0.024  $\chi^2/\text{NDF}$ : 1128748.4/23

asym\_sam\_3748\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_3748\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_3748\_avg\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

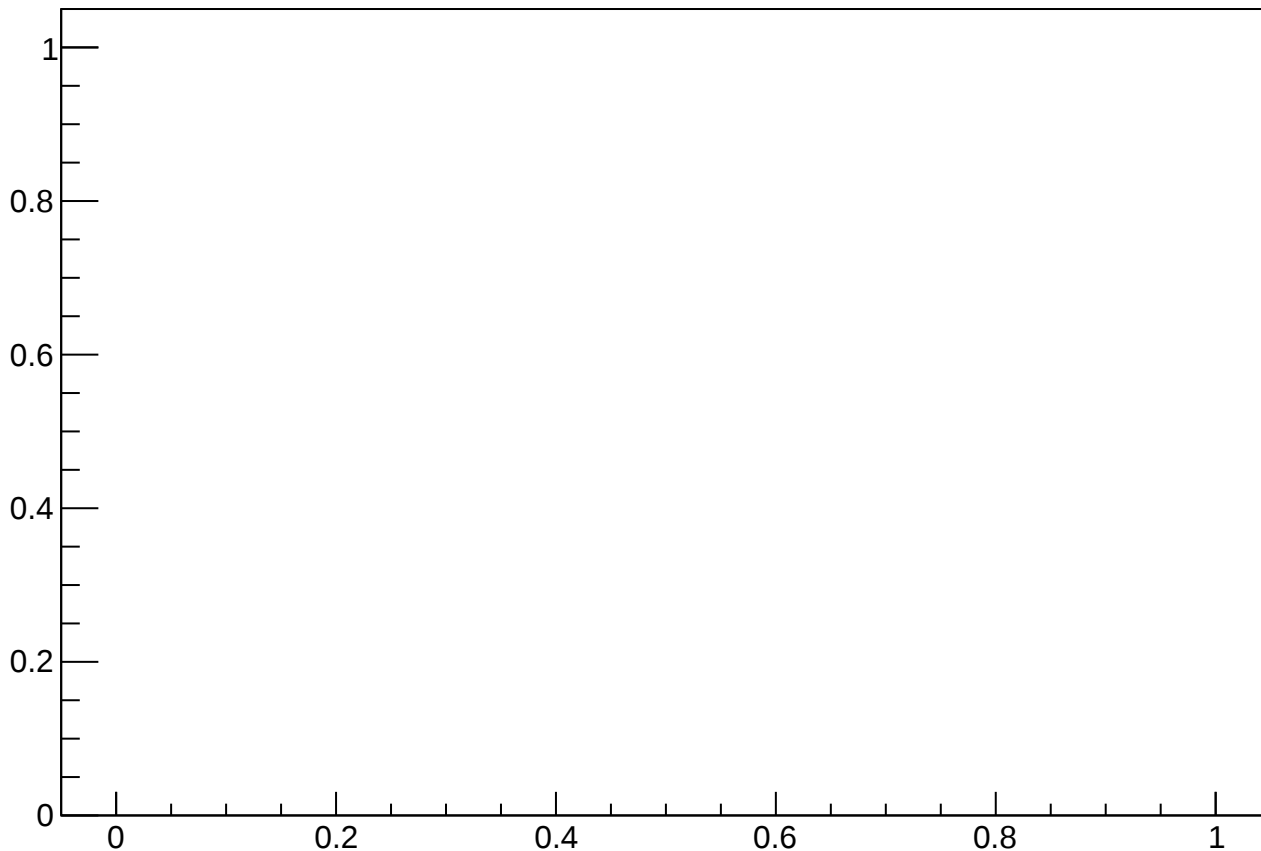
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_3748\_avg\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

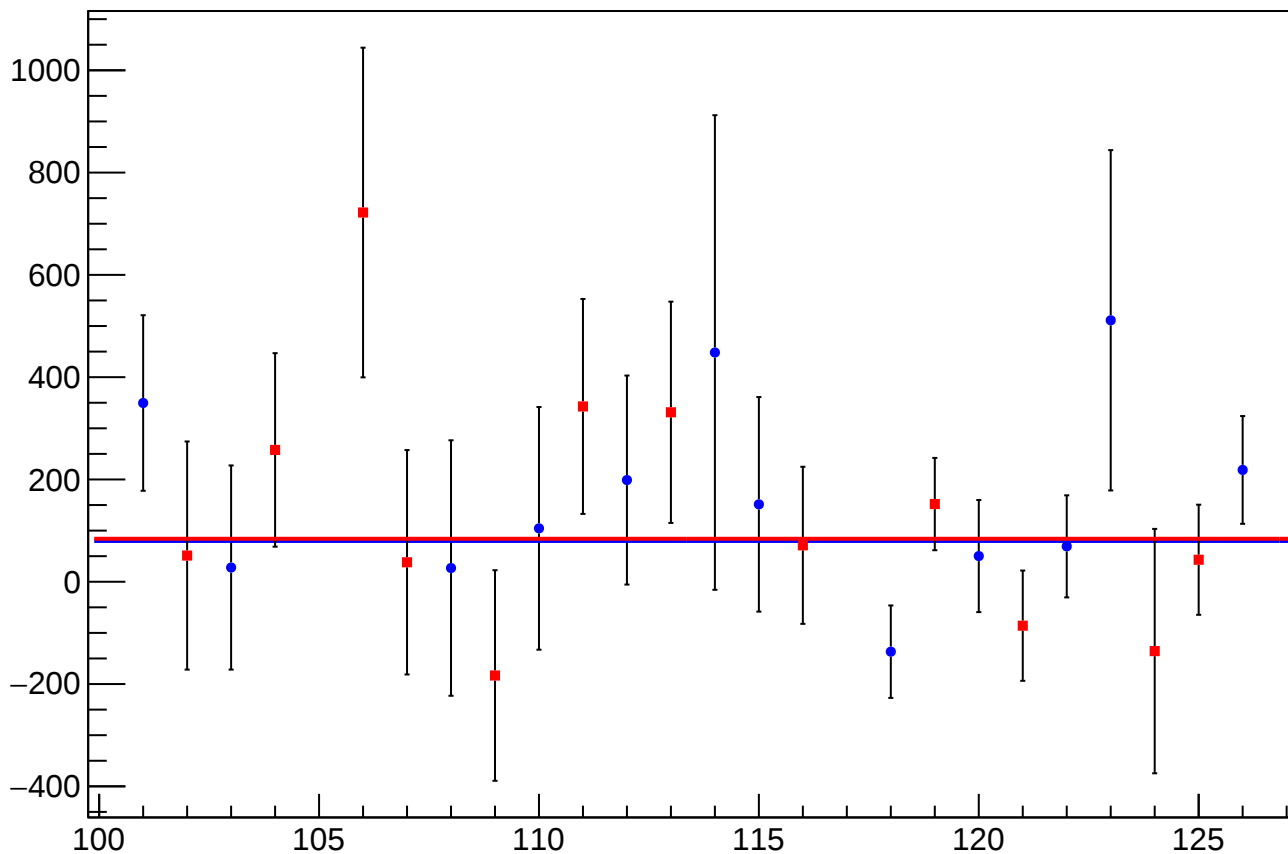
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_1526\_avg\_mean vs Slug, Sign Corrected



Right In: 79.798 $\pm$ 42.660  $\chi^2$ /NDF: 12.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 84.026 $\pm$ 44.669  $\chi^2$ /NDF: 13.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

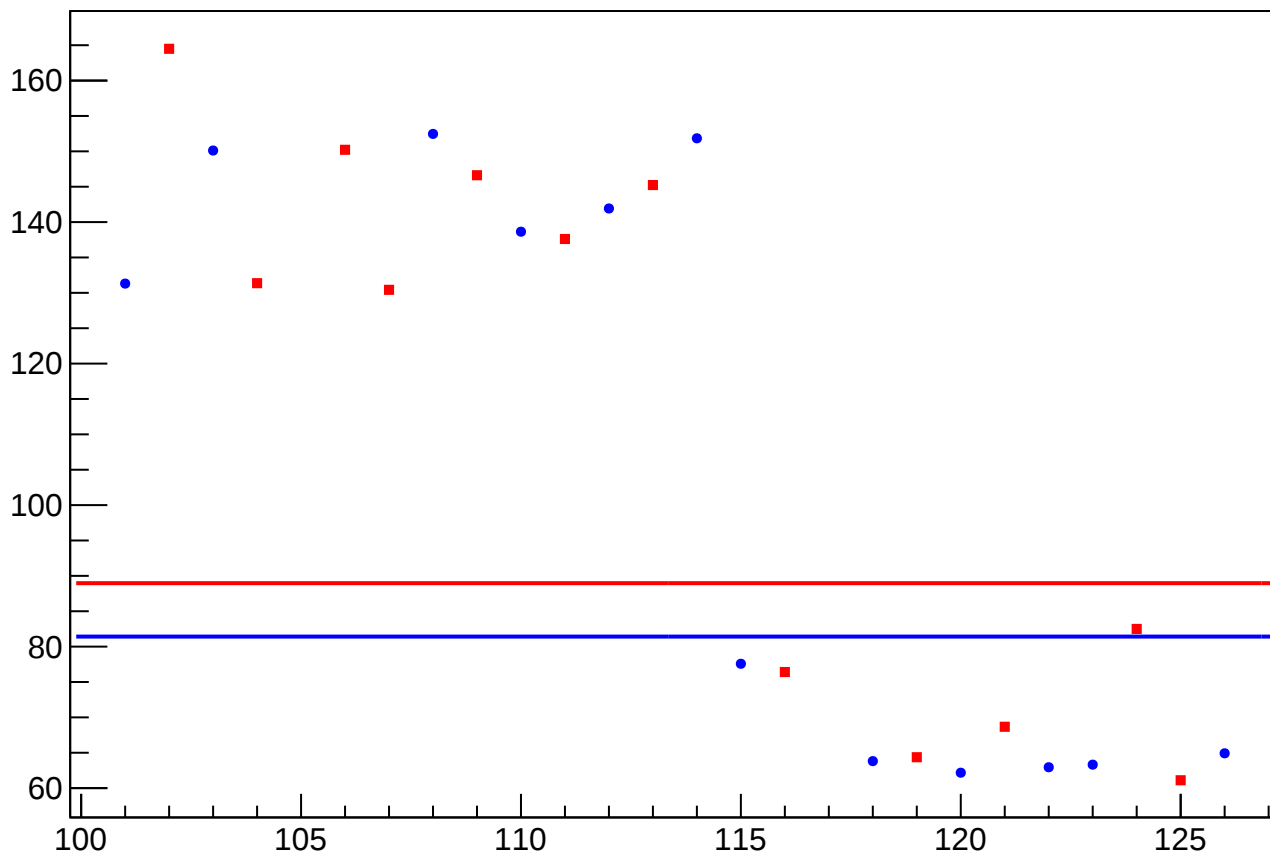
Right: 81.815 $\pm$ 30.851  $\chi^2$ /NDF: 26.3/23

In: 79.798 $\pm$ 42.660  $\chi^2$ /NDF:12.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 81.815 $\pm$ 30.851  $\chi^2$ /NDF: 26.3/23

dit\_asym\_sam\_1526\_avg\_rms vs Slug, Sign Corrected



Right In: 81.419+/-0.030  $\chi^2/\text{NDF}$ : 1167208.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 88.967+/-0.032  $\chi^2/\text{NDF}$ : 1241166.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 85.020+/-0.022  $\chi^2/\text{NDF}$ : 2438243.9/23

In: 81.419+/-0.030  $\chi^2/\text{NDF}$ : 1167208.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 85.020+/-0.022  $\chi^2/\text{NDF}$ : 2438243.9/23

asym\_sam\_1526\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

asym\_sam\_1526\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

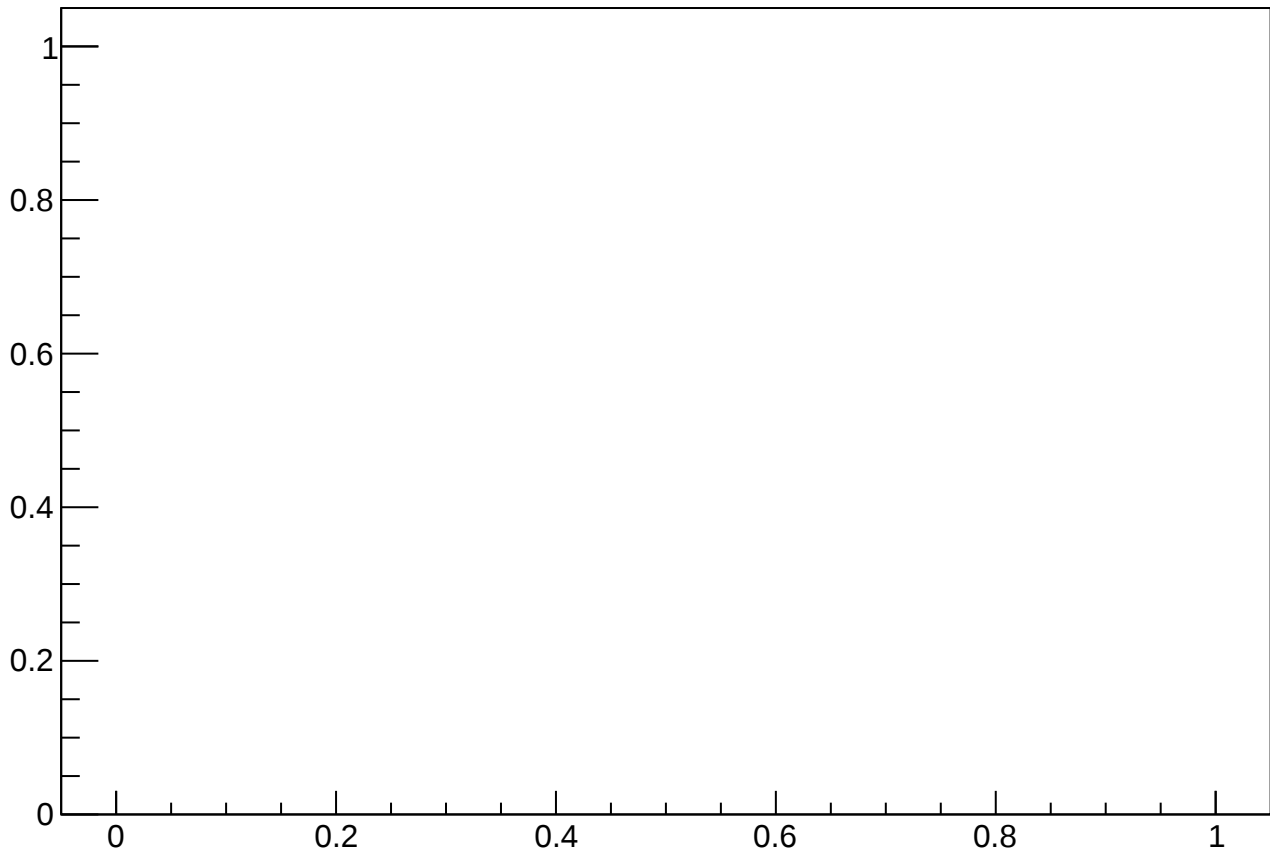
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

asym\_sam\_1526\_avg\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1526\_avg\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

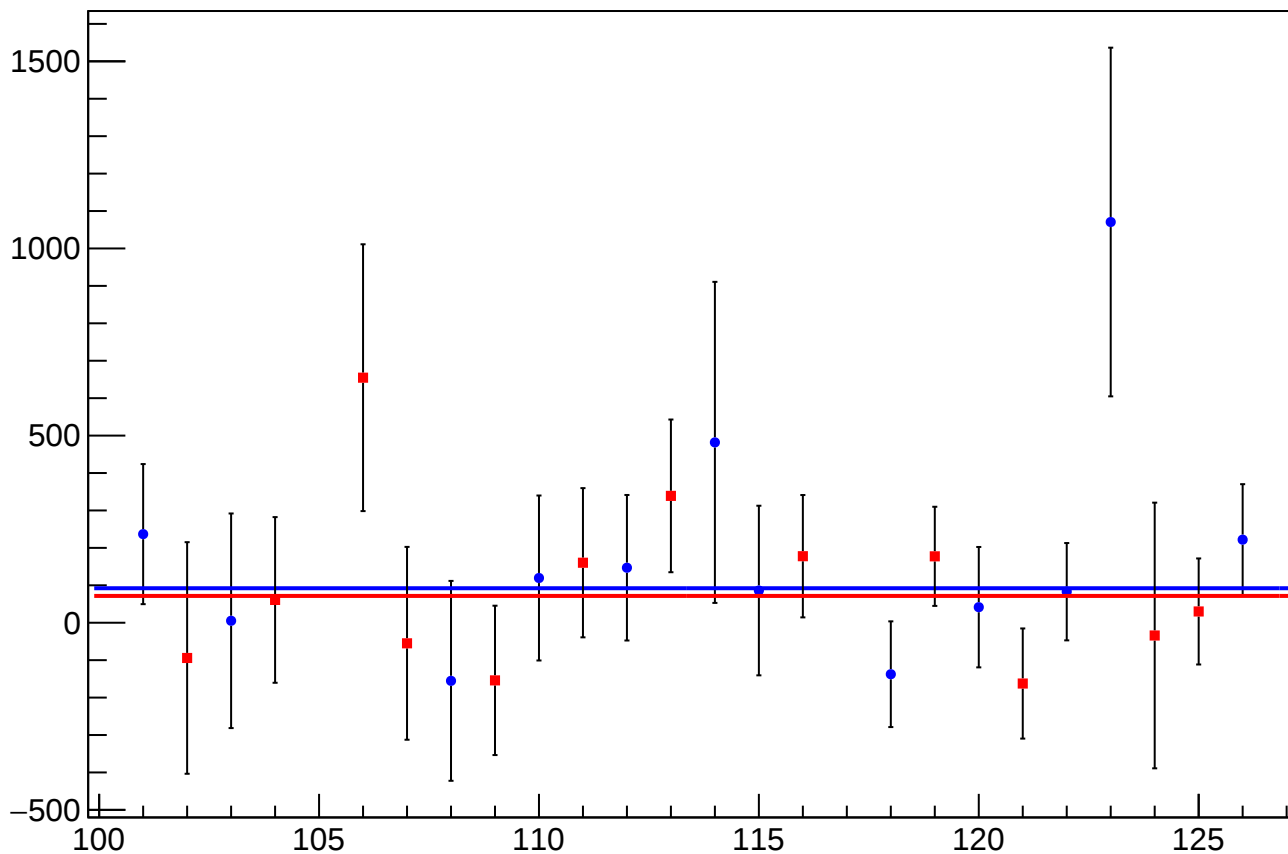
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_3726\_avg\_mean vs Slug, Sign Corrected



Right In: 92.176+/-55.493  $\chi^2/\text{NDF}$ : 10.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 71.636+/-55.343  $\chi^2/\text{NDF}$ : 10.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

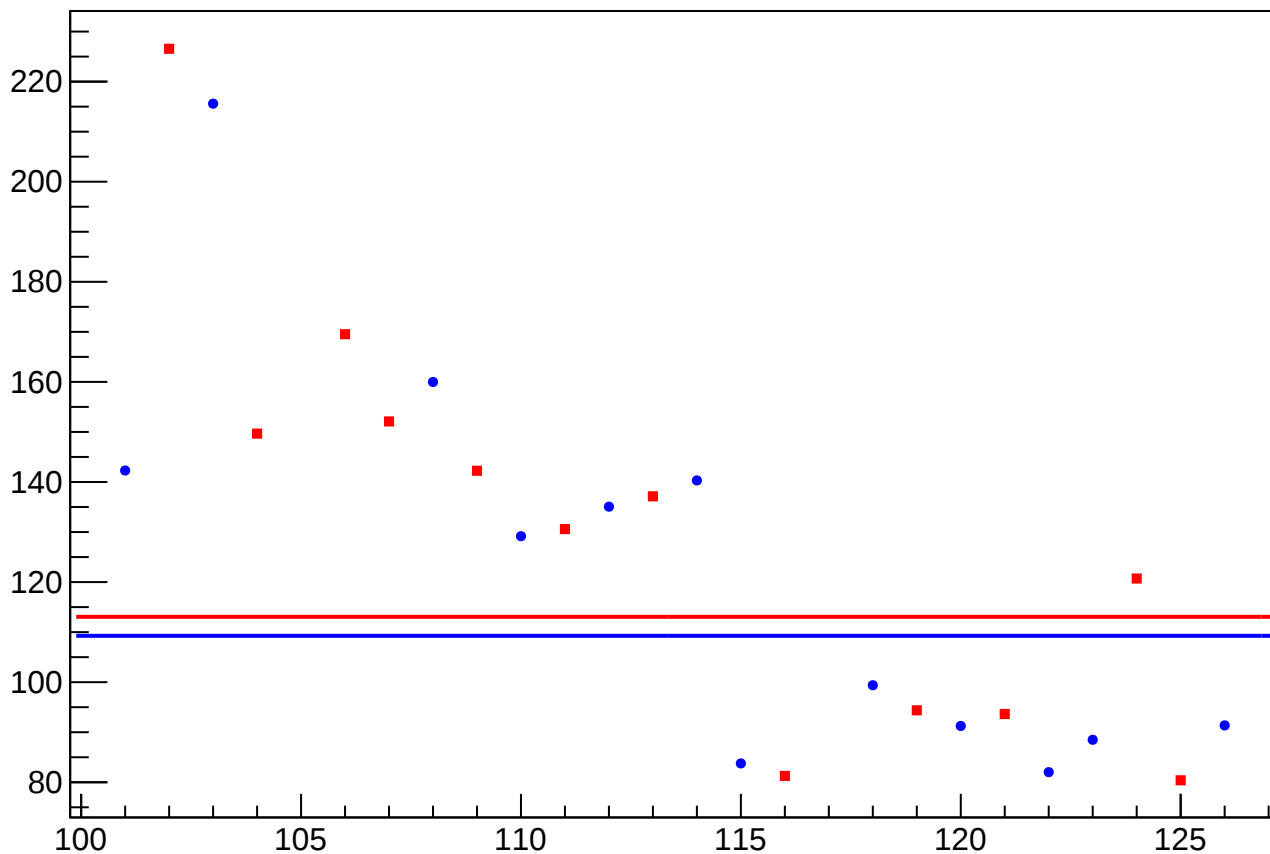
Right: 81.878+/-39.187  $\chi^2/\text{NDF}$ : 20.6/23

In: 92.176+/-55.493  $\chi^2/\text{NDF}$ : 10.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 81.878+/-39.187  $\chi^2/\text{NDF}$ : 20.6/23

dit\_asym\_sam\_3726\_avg\_rms vs Slug, Sign Corrected



Right In: 109.264+/-0.039  $\chi^2/\text{NDF}$ : 652711.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 113.061+/-0.039  $\chi^2/\text{NDF}$ : 763632.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 111.168+/-0.028  $\chi^2/\text{NDF}$ : 1421037.2/23

In: 109.264+/-0.039  $\chi^2/\text{NDF}$ : 652711.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 111.168+/-0.028  $\chi^2/\text{NDF}$ : 1421037.2/23

asym\_sam\_3726\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_3726\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

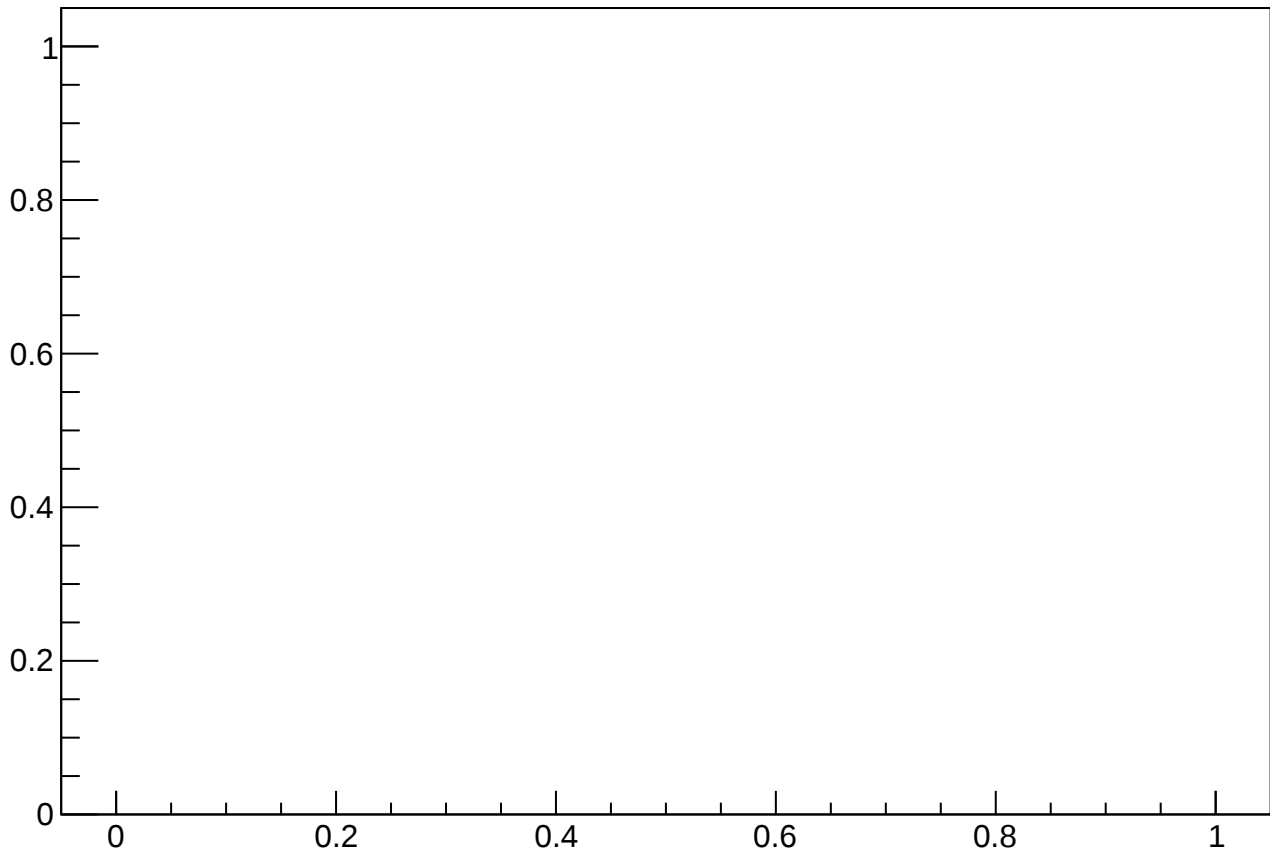
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

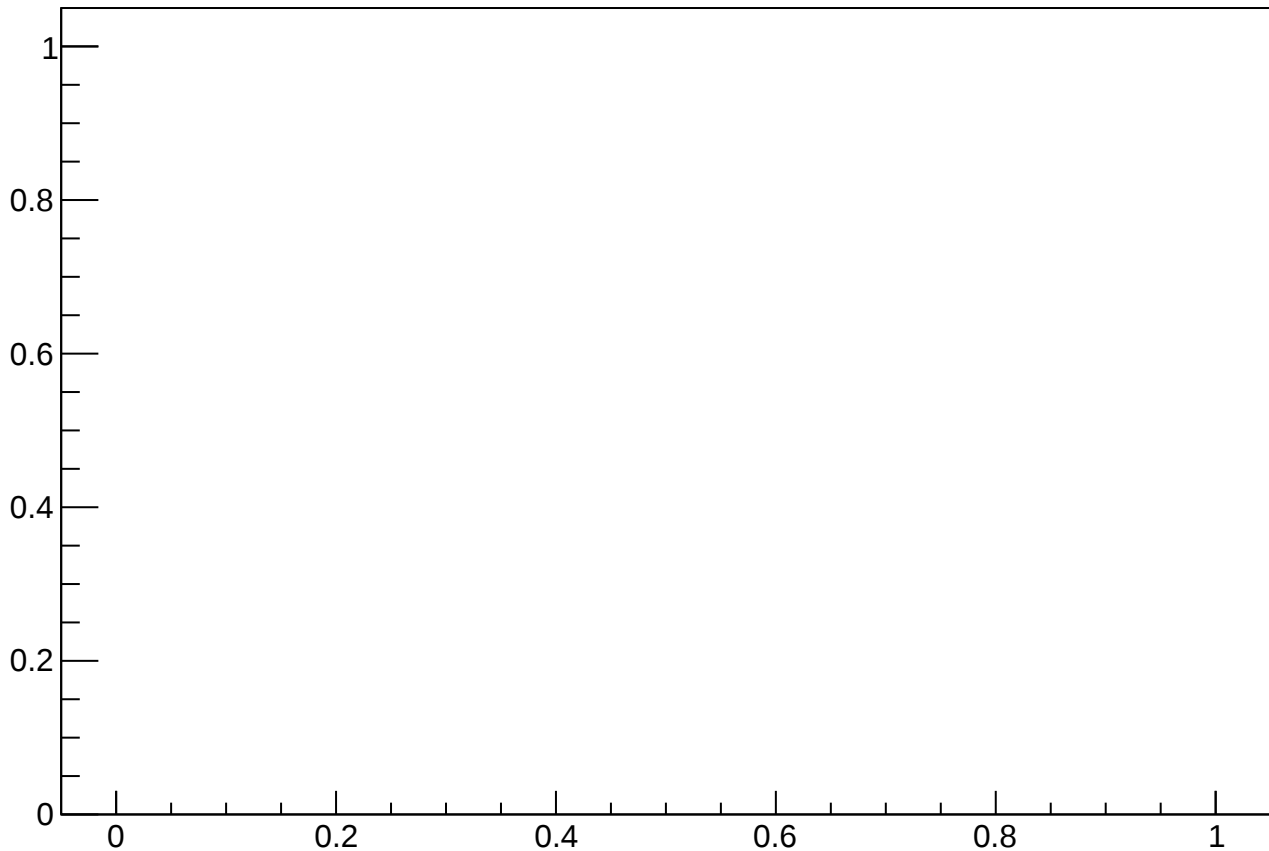
asym\_sam\_3726\_avg\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_3726\_avg\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

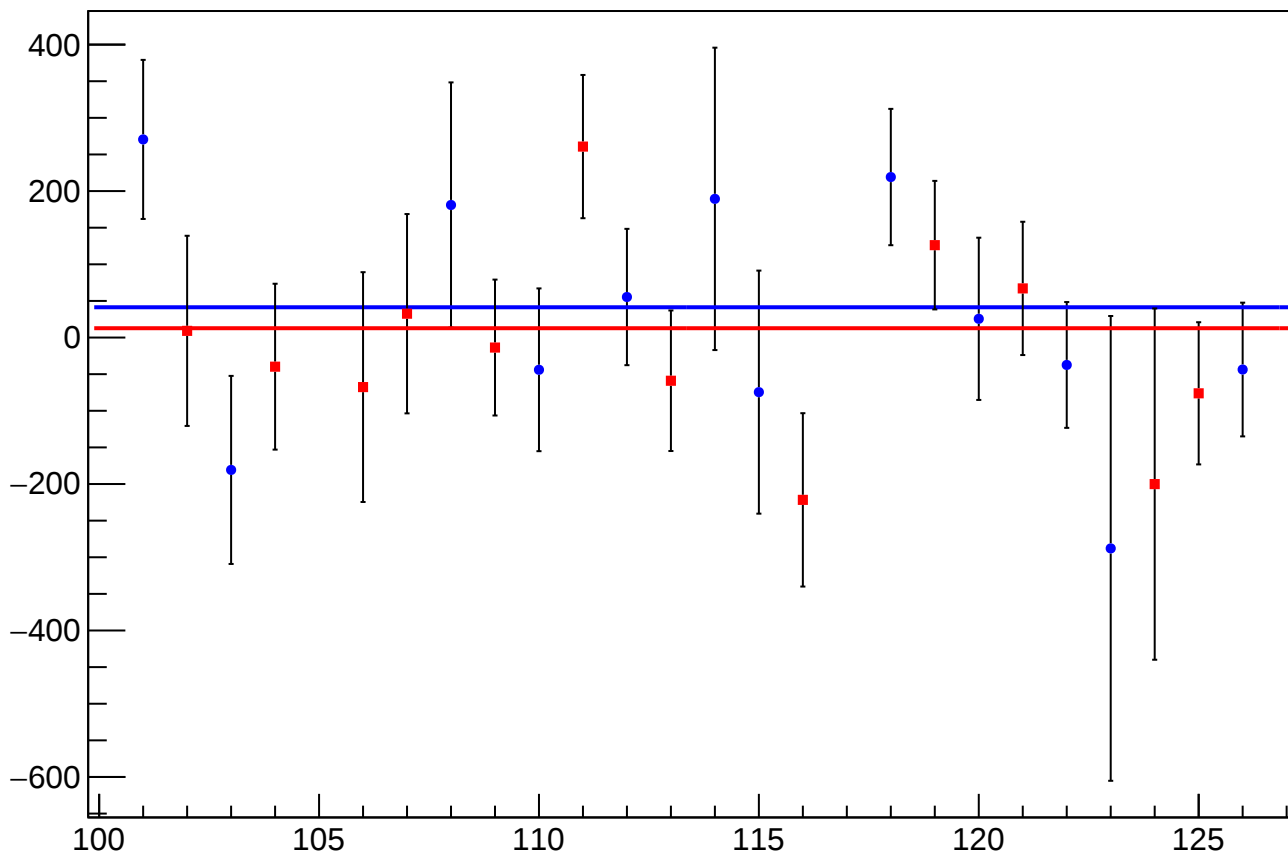
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_15\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 41.357+/-33.339  $\chi^2/\text{NDF}$ : 16.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 12.743+/-31.516  $\chi^2/\text{NDF}$ : 15.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

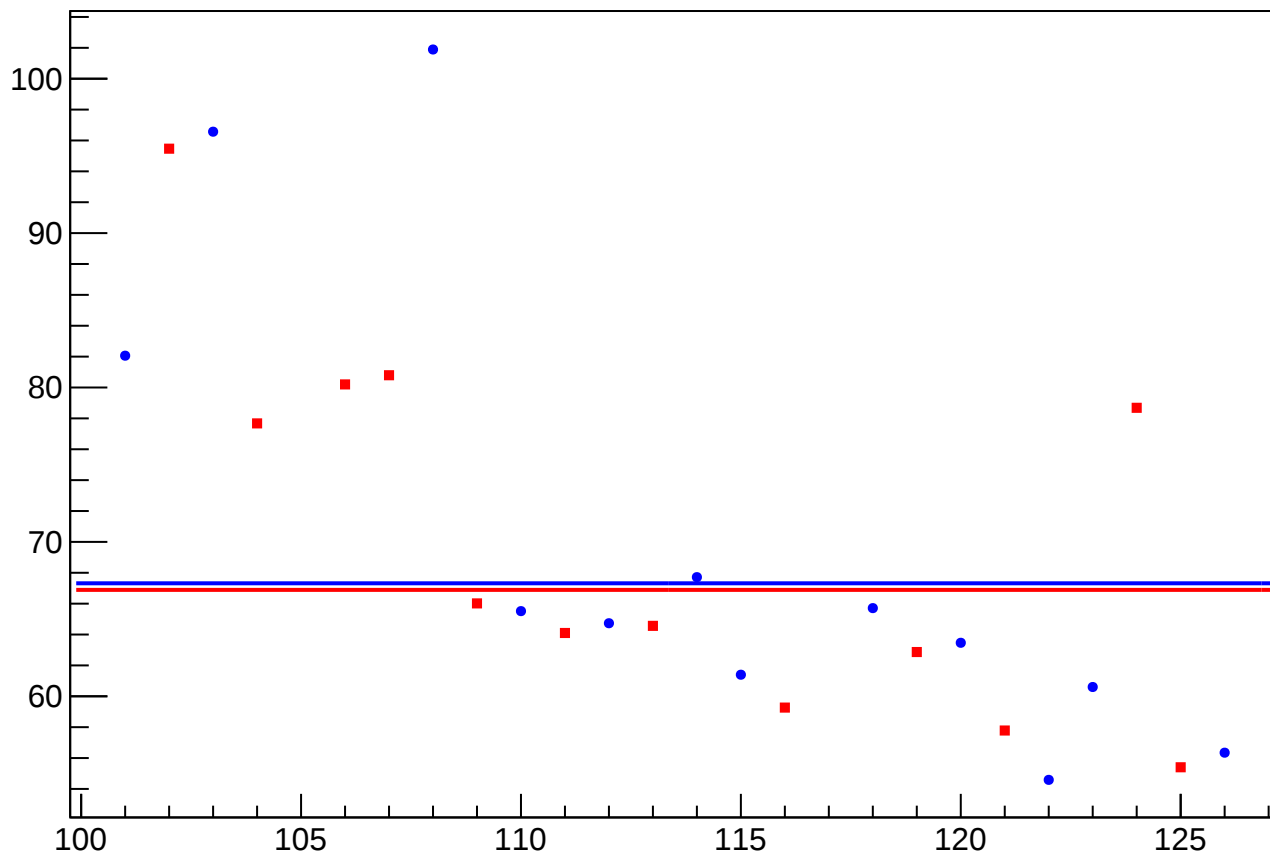
Right: 26.247+/-22.902  $\chi^2/\text{NDF}$ : 31.7/23

In: 41.357+/-33.339  $\chi^2/\text{NDF}$ : 16.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 26.247+/-22.902  $\chi^2/\text{NDF}$ : 31.7/23

dit\_asym\_sam\_15\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 67.318+/-0.024  $\chi^2/\text{NDF}$ : 307316.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 66.892+/-0.022  $\chi^2/\text{NDF}$ : 218685.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

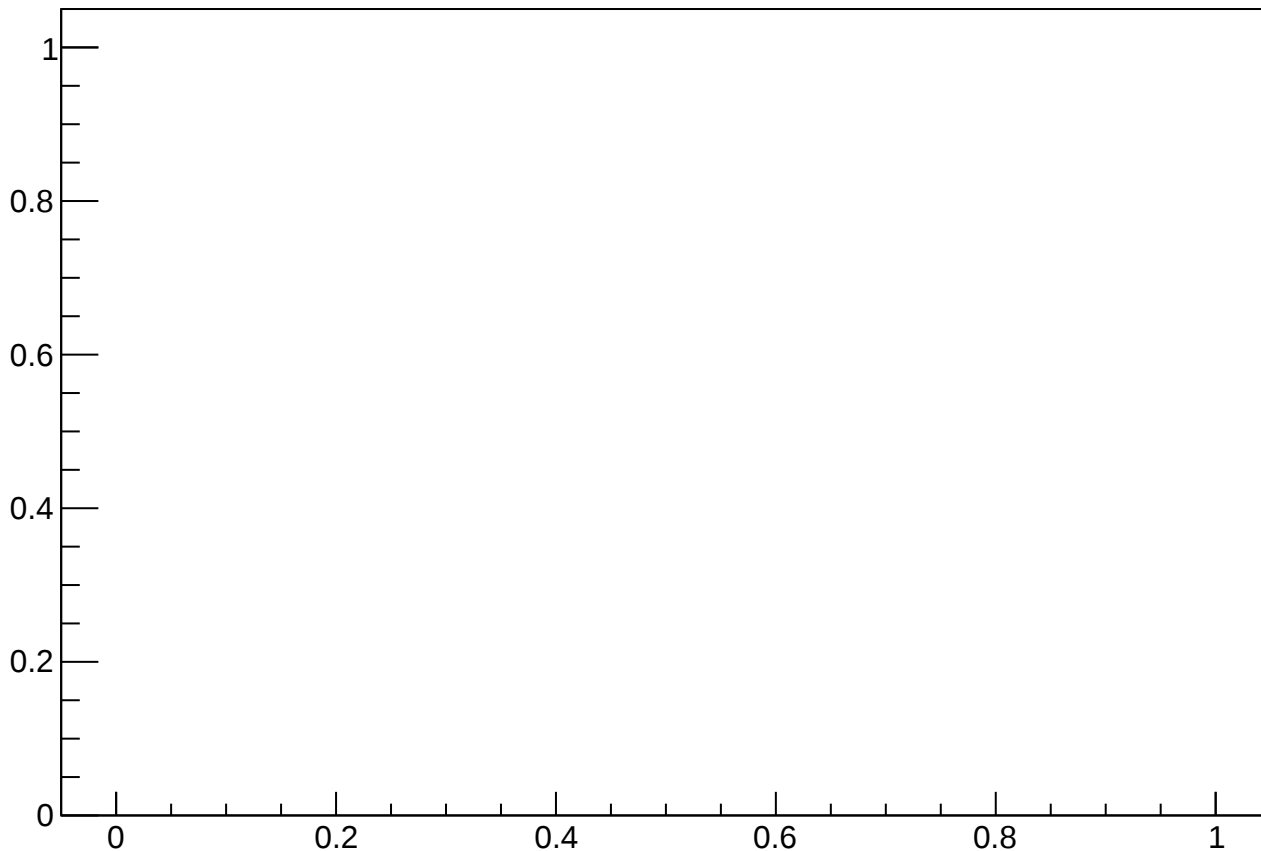
Right: 67.093+/-0.016  $\chi^2/\text{NDF}$ : 526175.2/23

In: 67.318+/-0.024  $\chi^2/\text{NDF}$ : 307316.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 67.093+/-0.016  $\chi^2/\text{NDF}$ : 526175.2/23

asym\_sam\_15\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

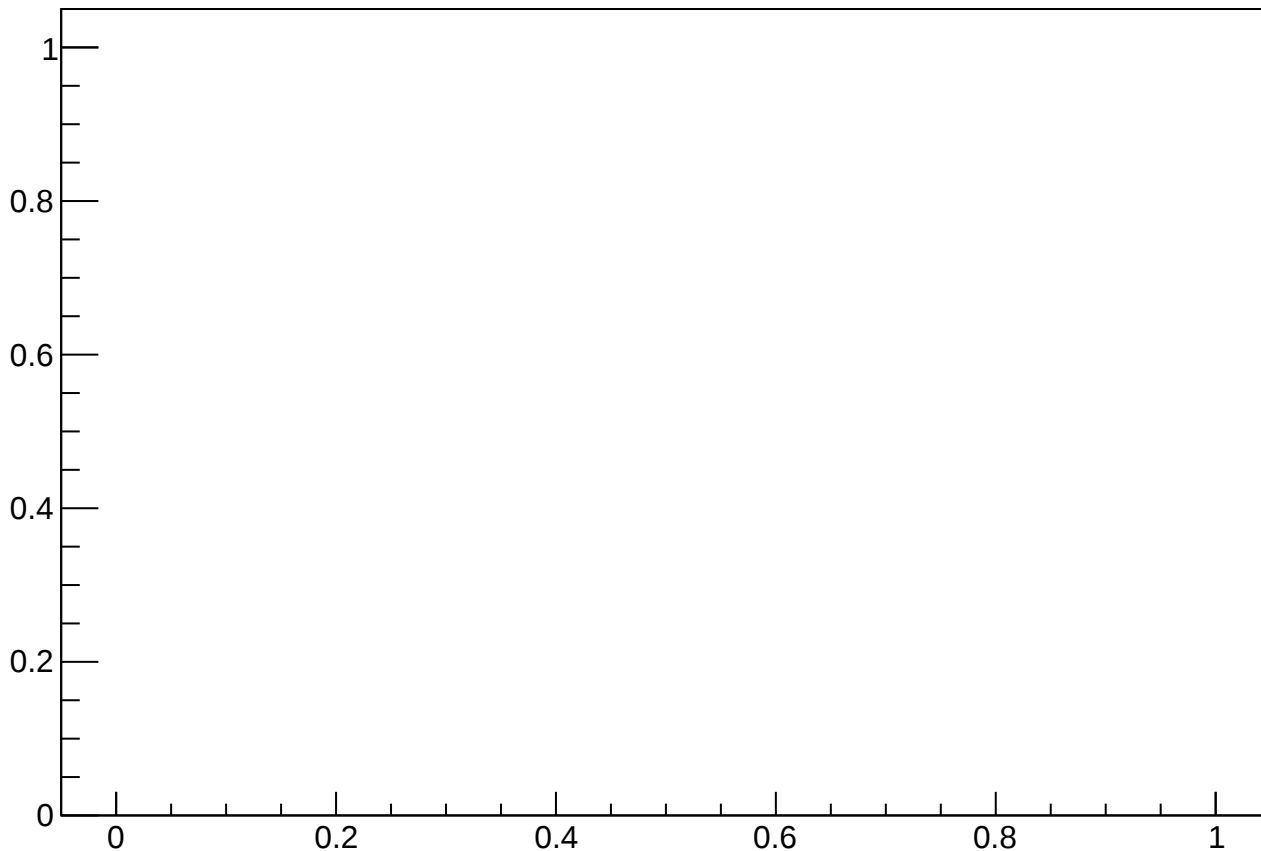
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_15\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_15\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

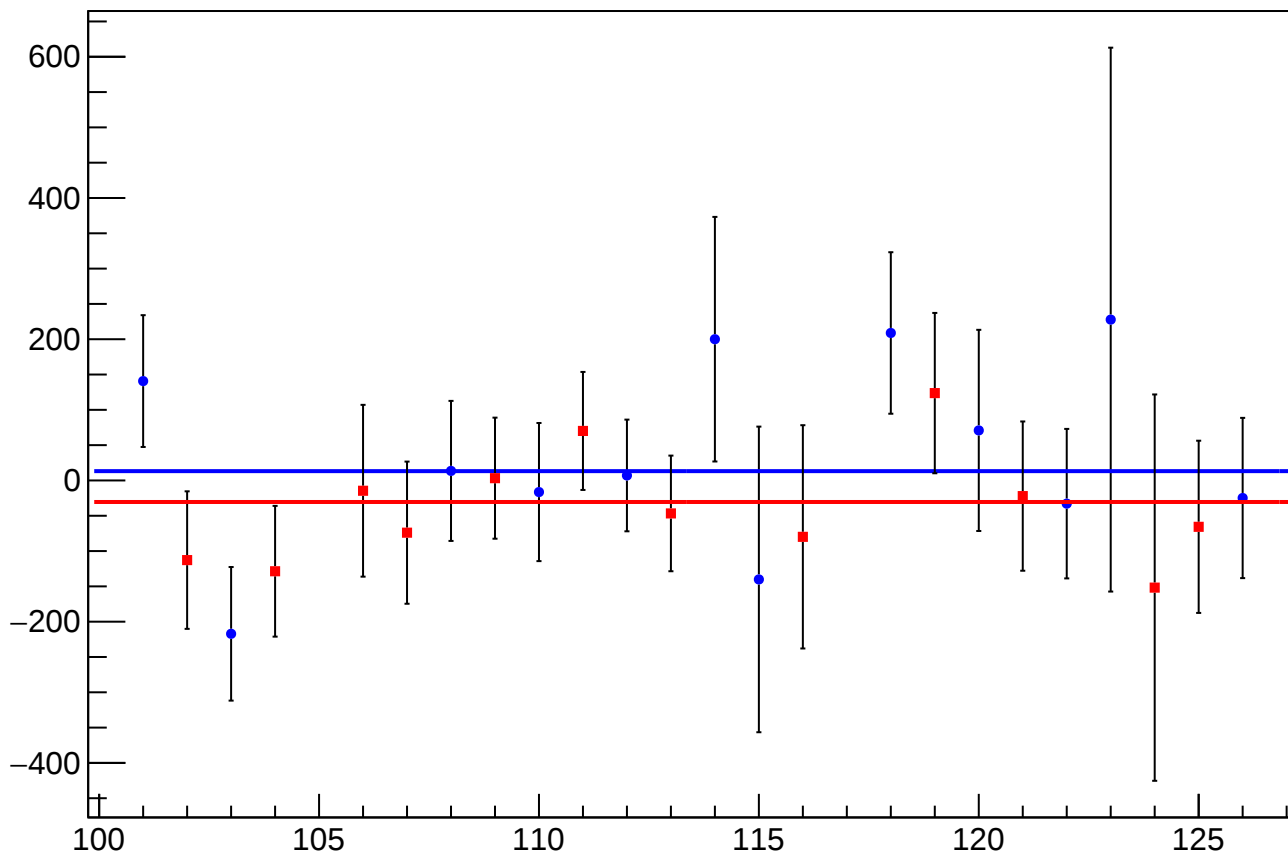
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_37\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 13.192 $\pm$ 32.499  $\chi^2$ /NDF: 13.3/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -30.497 $\pm$ 30.089  $\chi^2$ /NDF: 5.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

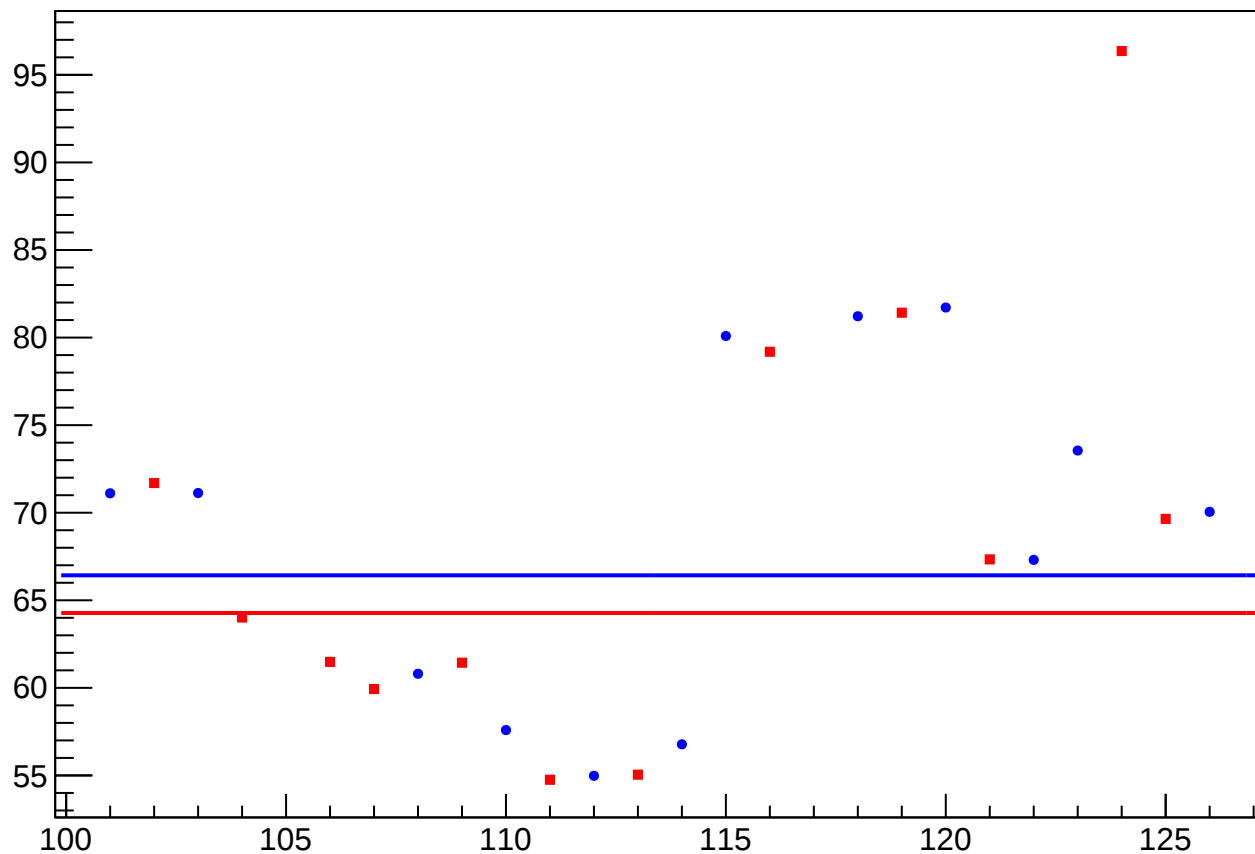
Right: -10.332 $\pm$ 22.079  $\chi^2$ /NDF: 20.2/23

In: 13.192 $\pm$ 32.499  $\chi^2$ /NDF: 13.3/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -10.332 $\pm$ 22.079  $\chi^2$ /NDF: 20.2/23

dit\_asym\_sam\_37\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 66.426+/-0.023  $\chi^2/\text{NDF}$ : 148176.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 64.274+/-0.021  $\chi^2/\text{NDF}$ : 166457.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 65.268+/-0.016  $\chi^2/\text{NDF}$ : 319356.2/23

In: 66.426+/-0.023  $\chi^2/\text{NDF}$ :148176.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 65.268+/-0.016  $\chi^2/\text{NDF}$ : 319356.2/23

asym\_sam\_37\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

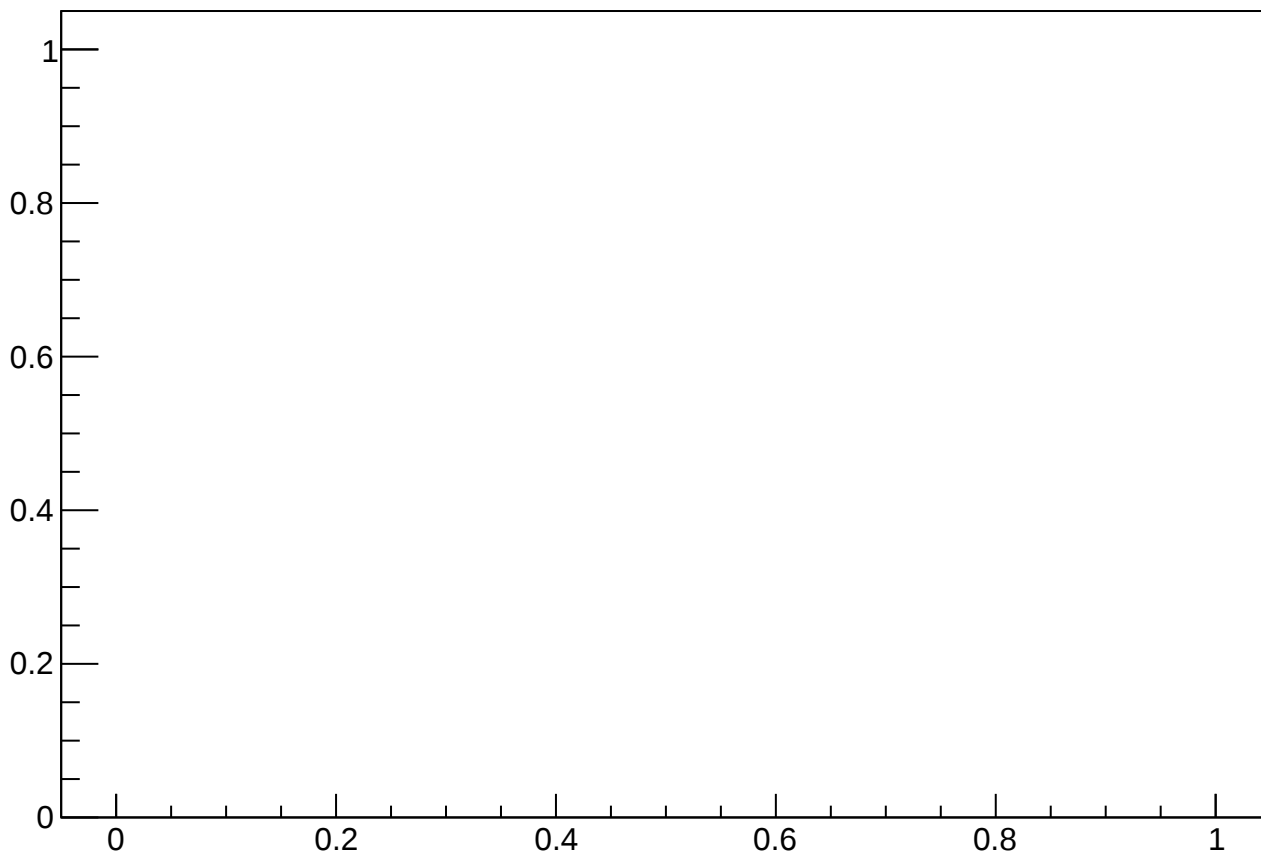
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

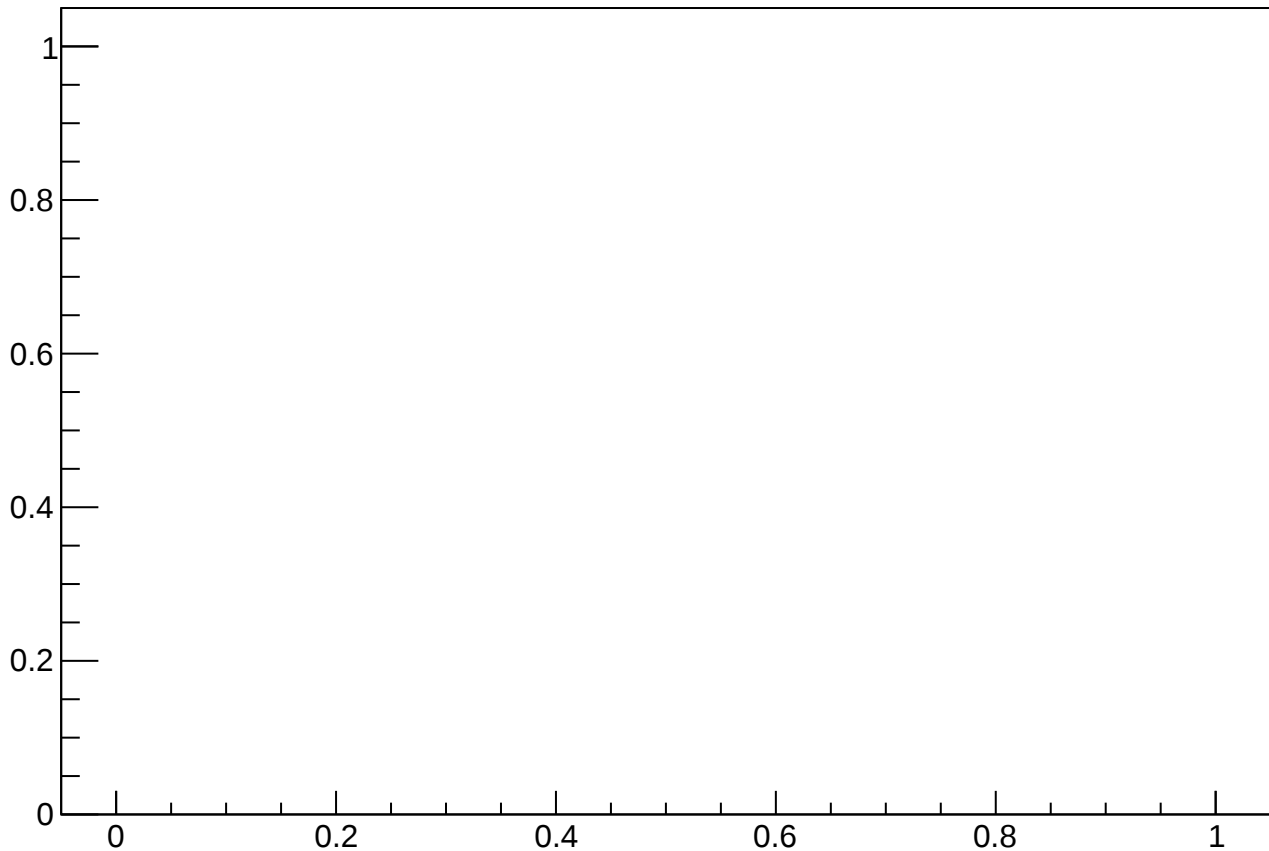
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

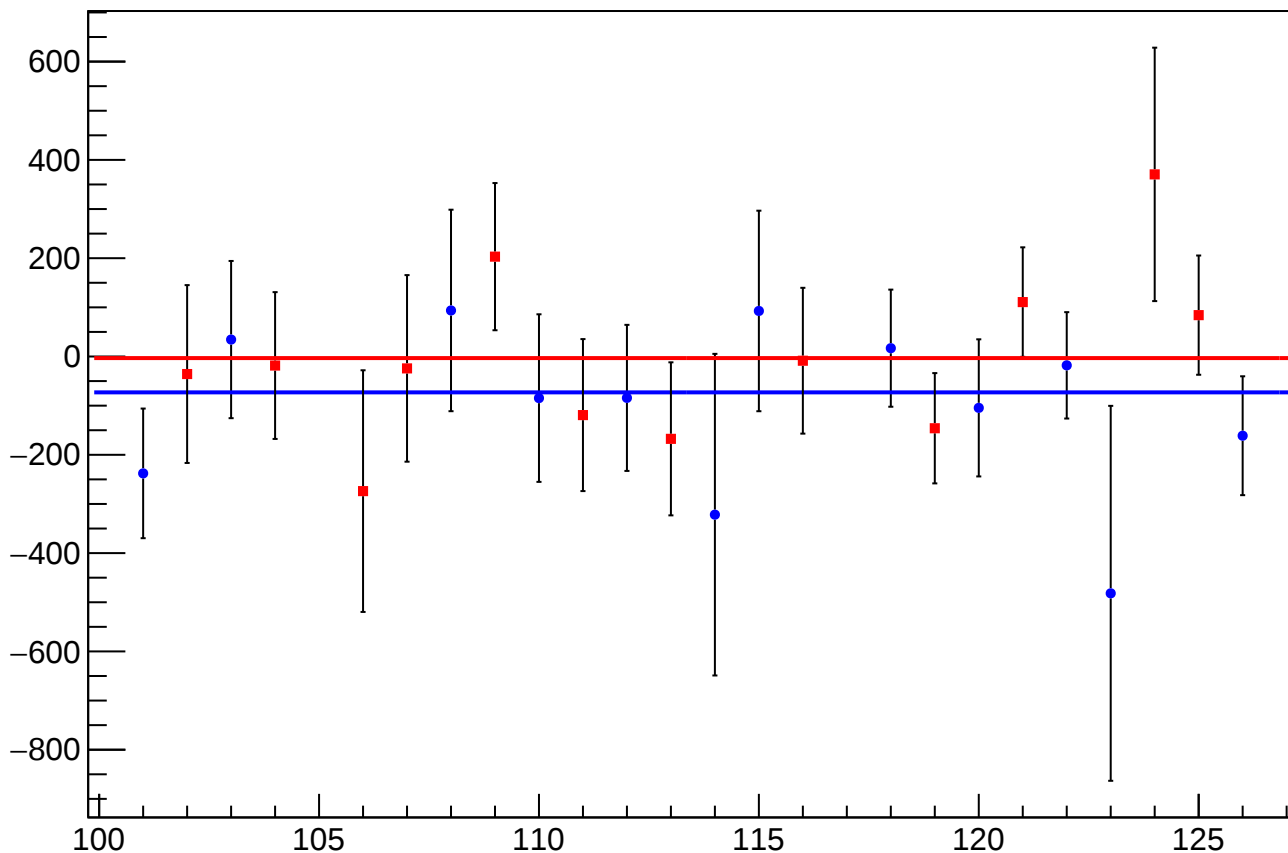
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_15\_26\_dd\_mean vs Slug, Sign Corrected



Right In: -72.970+/-44.023  $\chi^2/\text{NDF}$ : 6.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -3.221+/-43.199  $\chi^2/\text{NDF}$ : 10.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

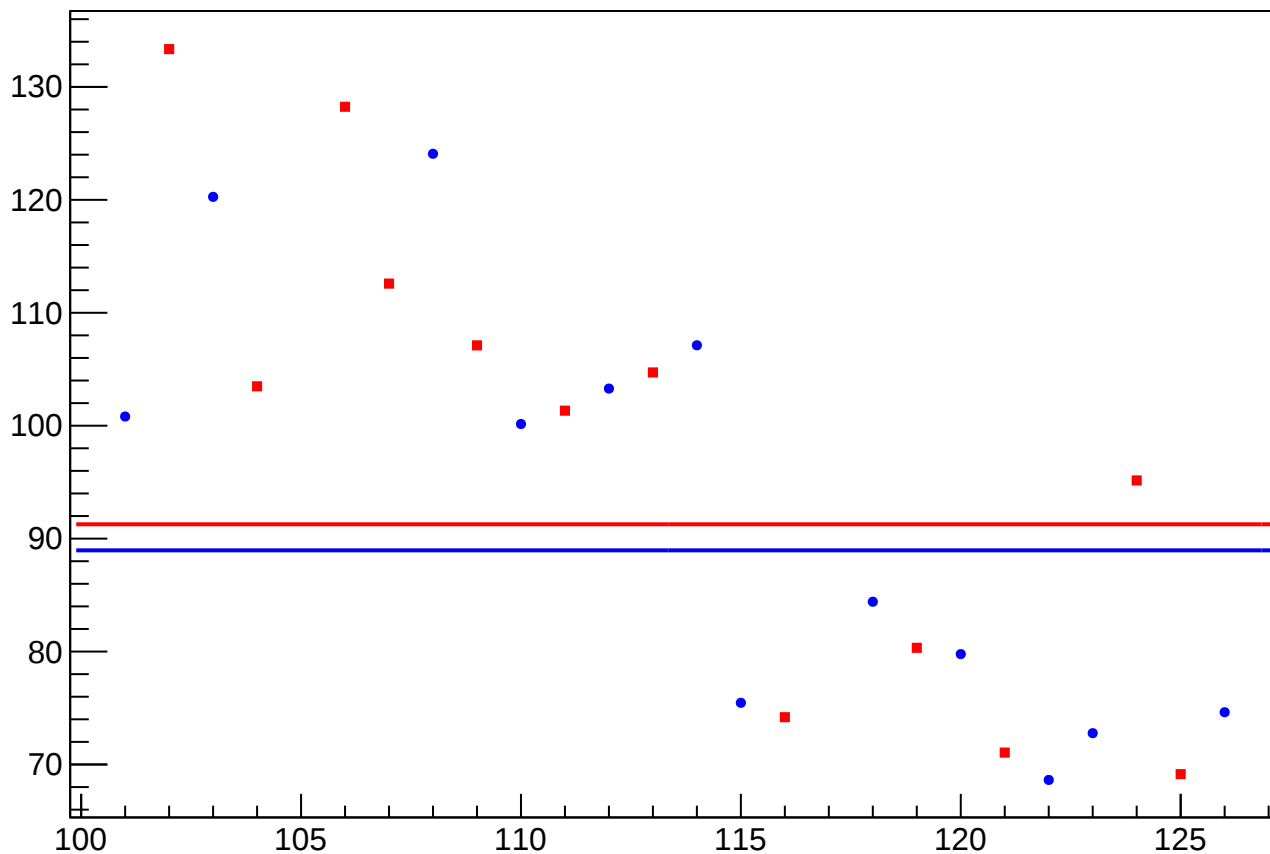
Right: -37.437+/-30.833  $\chi^2/\text{NDF}$ : 17.9/23

In: -72.970+/-44.023  $\chi^2/\text{NDF}$ :6.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -37.437+/-30.833  $\chi^2/\text{NDF}$ : 17.9/23

dit\_asym\_sam\_15\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 88.963+/-0.031  $\chi^2/\text{NDF}$ : 307525.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 91.269+/-0.031  $\chi^2/\text{NDF}$ : 416242.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

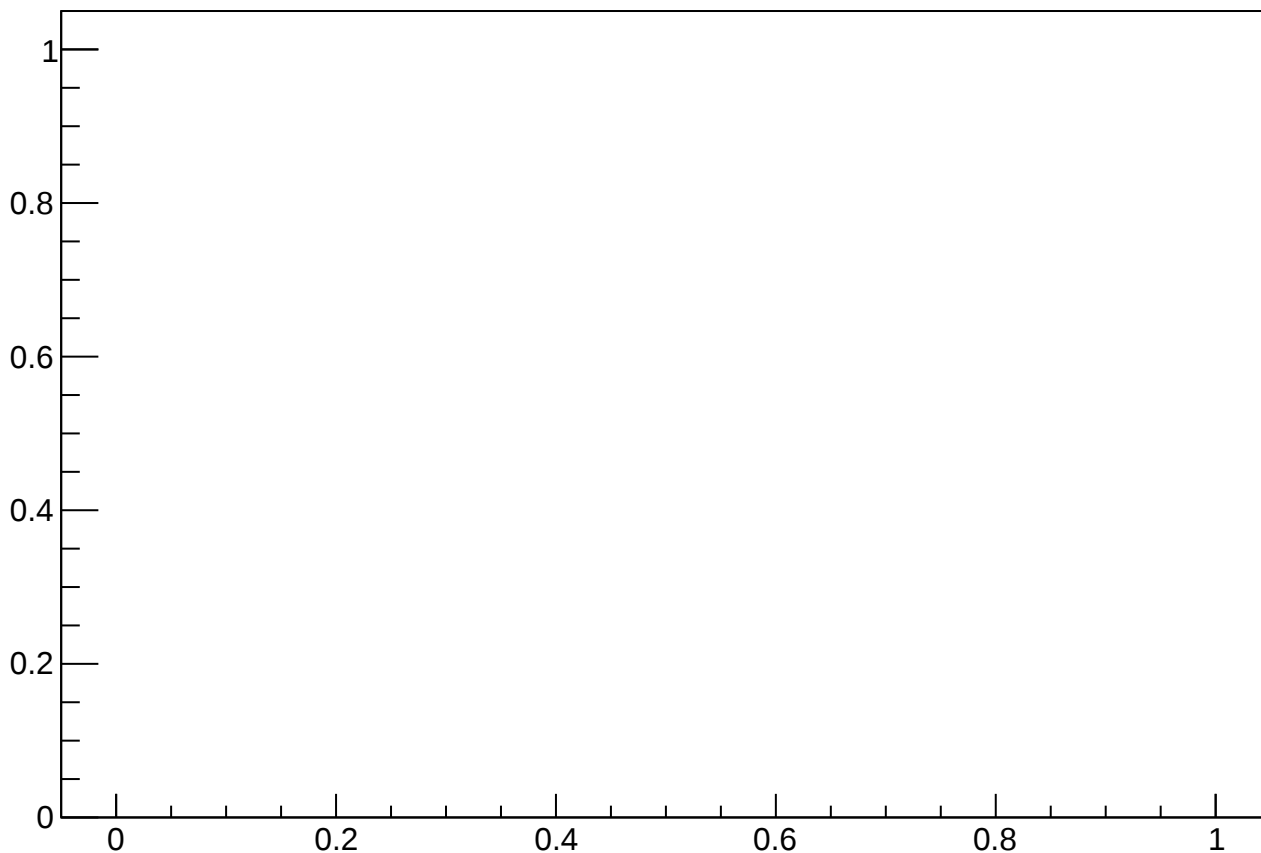
Right: 90.137+/-0.022  $\chi^2/\text{NDF}$ : 726564.1/23

In: 88.963+/-0.031  $\chi^2/\text{NDF}$ :307525.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 90.137+/-0.022  $\chi^2/\text{NDF}$ : 726564.1/23

asym\_sam\_15\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

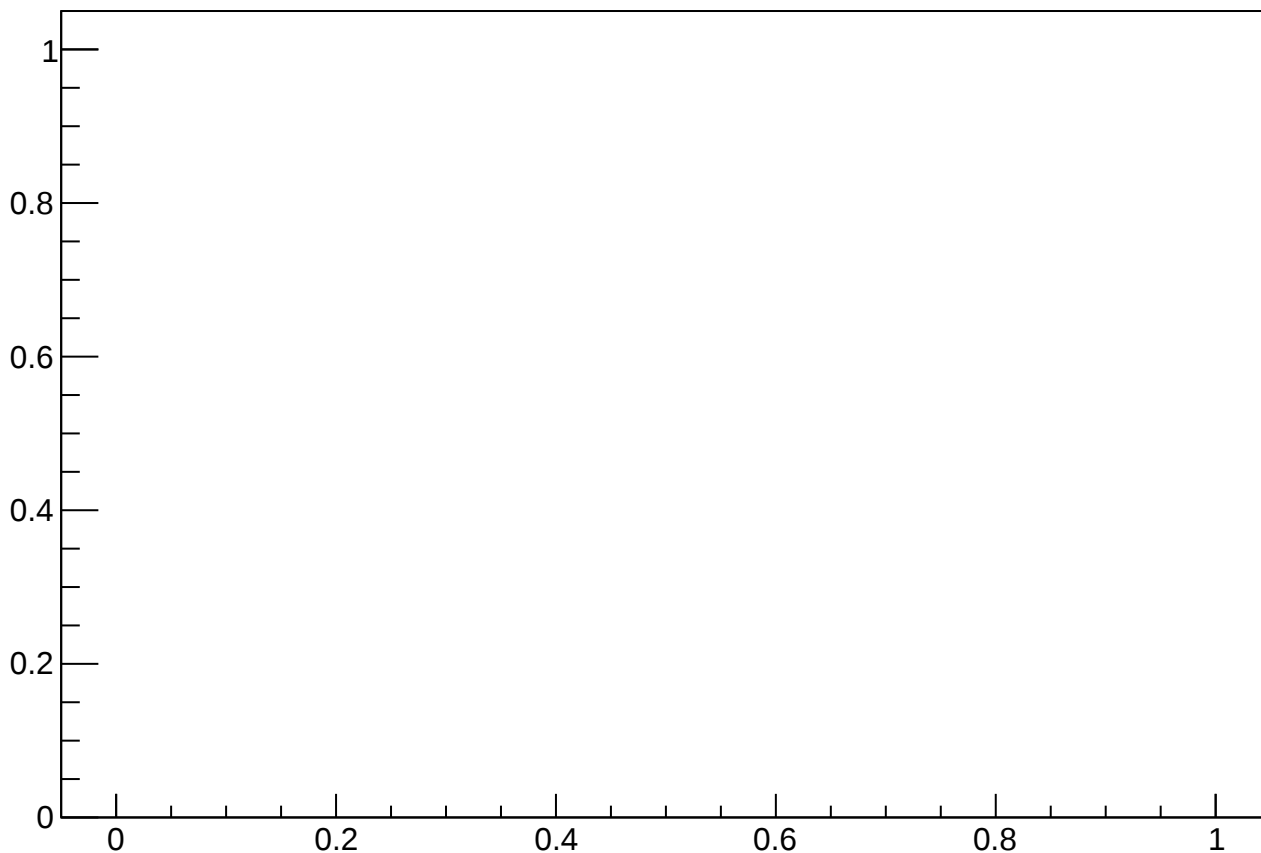
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_15\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

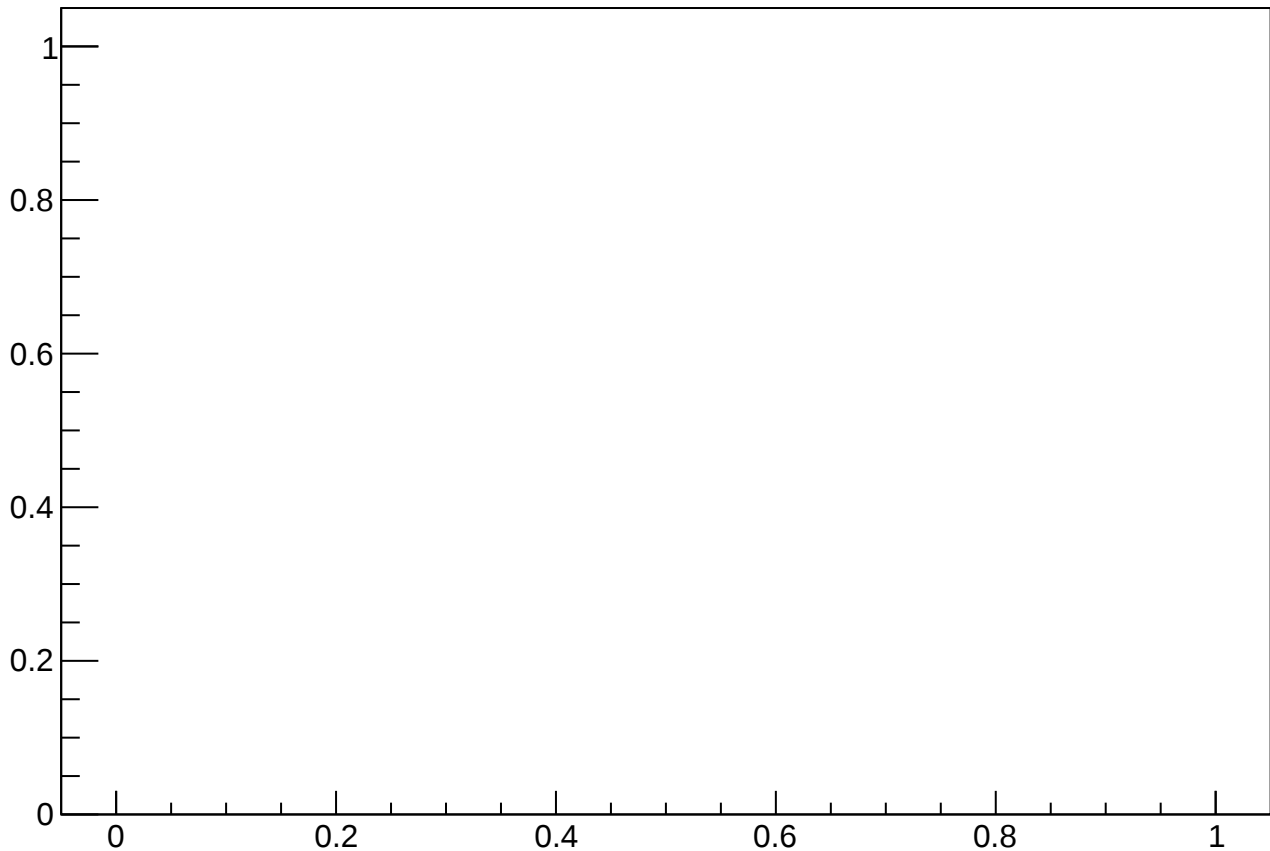
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_15\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

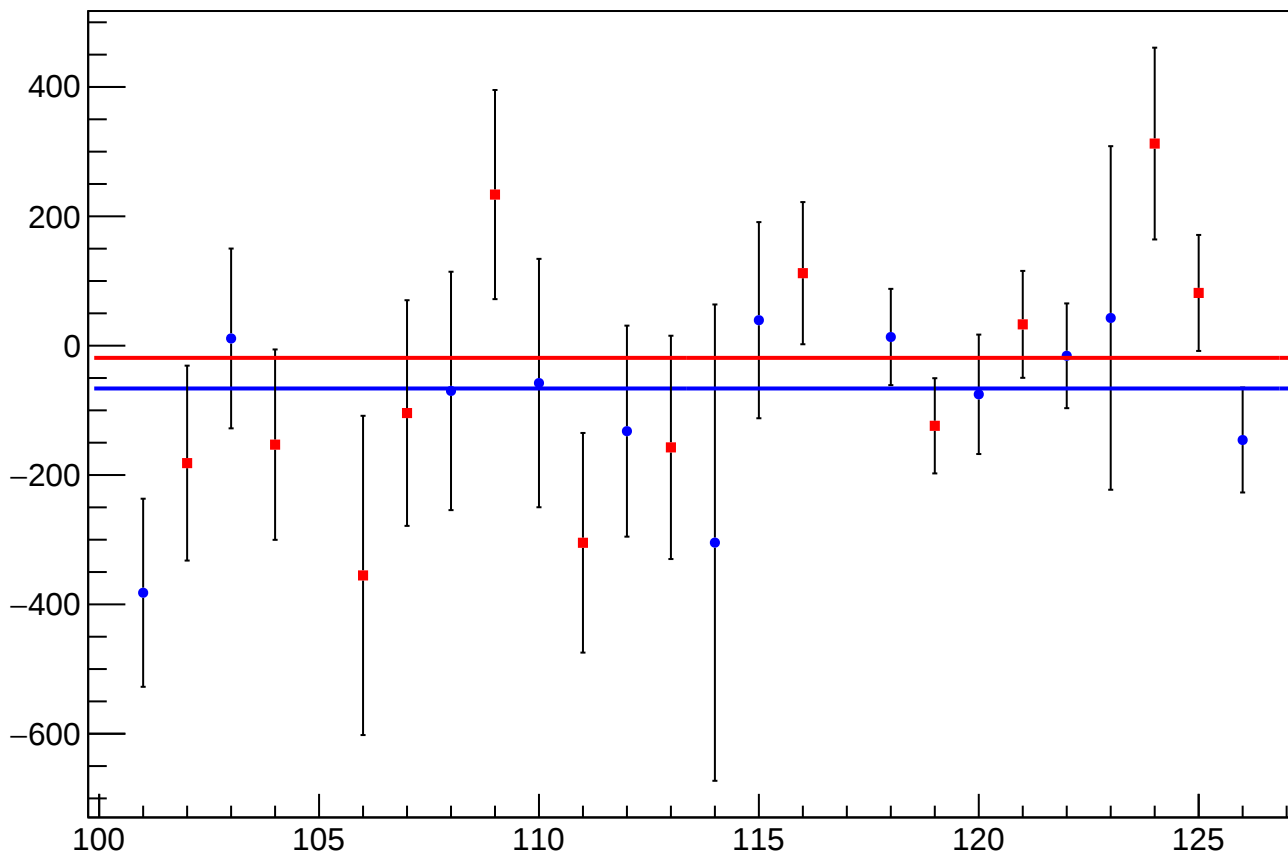
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_37\_26\_dd\_mean vs Slug, Sign Corrected



Right In: -66.189 $\pm$ 34.093  $\chi^2$ /NDF: 8.8/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -18.854 $\pm$ 34.721  $\chi^2$ /NDF: 20.1/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

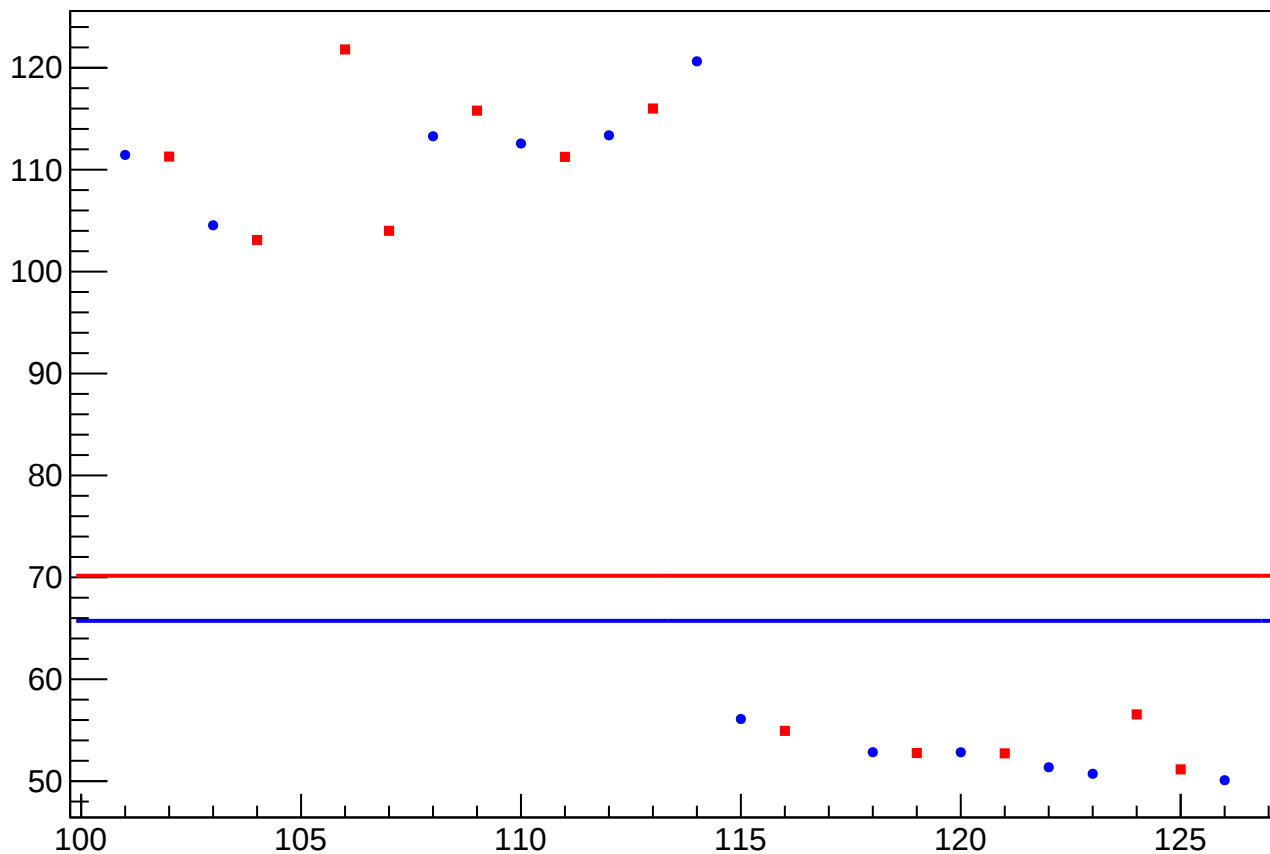
Right: -42.953 $\pm$ 24.326  $\chi^2$ /NDF: 29.8/23

In: -66.189 $\pm$ 34.093  $\chi^2$ /NDF:8.8/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -42.953 $\pm$ 24.326  $\chi^2$ /NDF: 29.8/23

dit\_asym\_sam\_37\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 65.732+/-0.024  $\chi^2/\text{NDF}$ : 1071481.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 70.155+/-0.025  $\chi^2/\text{NDF}$ : 1175294.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 67.903+/-0.017  $\chi^2/\text{NDF}$ : 2263297.7/23

In: 65.732+/-0.024  $\chi^2/\text{NDF}$ : 1071481.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 67.903+/-0.017  $\chi^2/\text{NDF}$ : 2263297.7/23

asym\_sam\_37\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

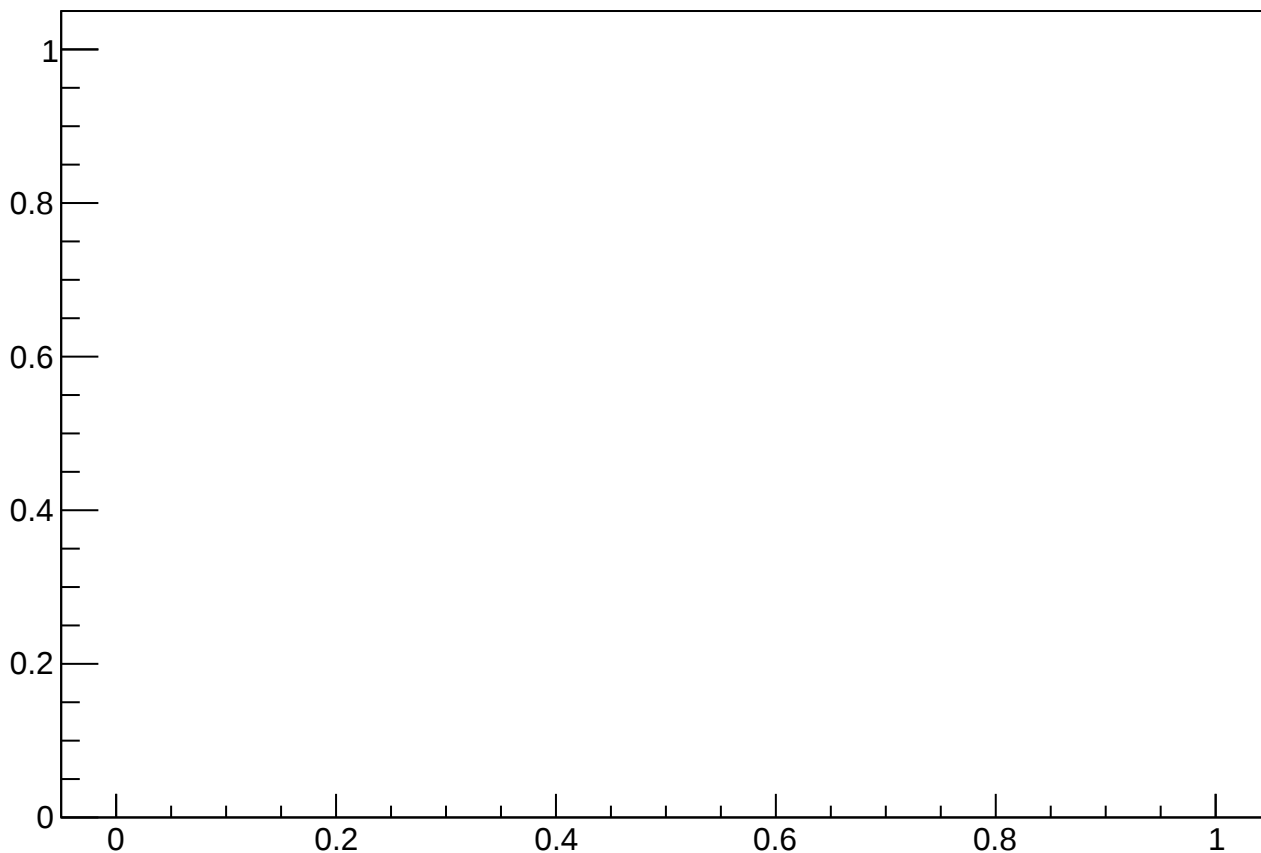
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_37\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

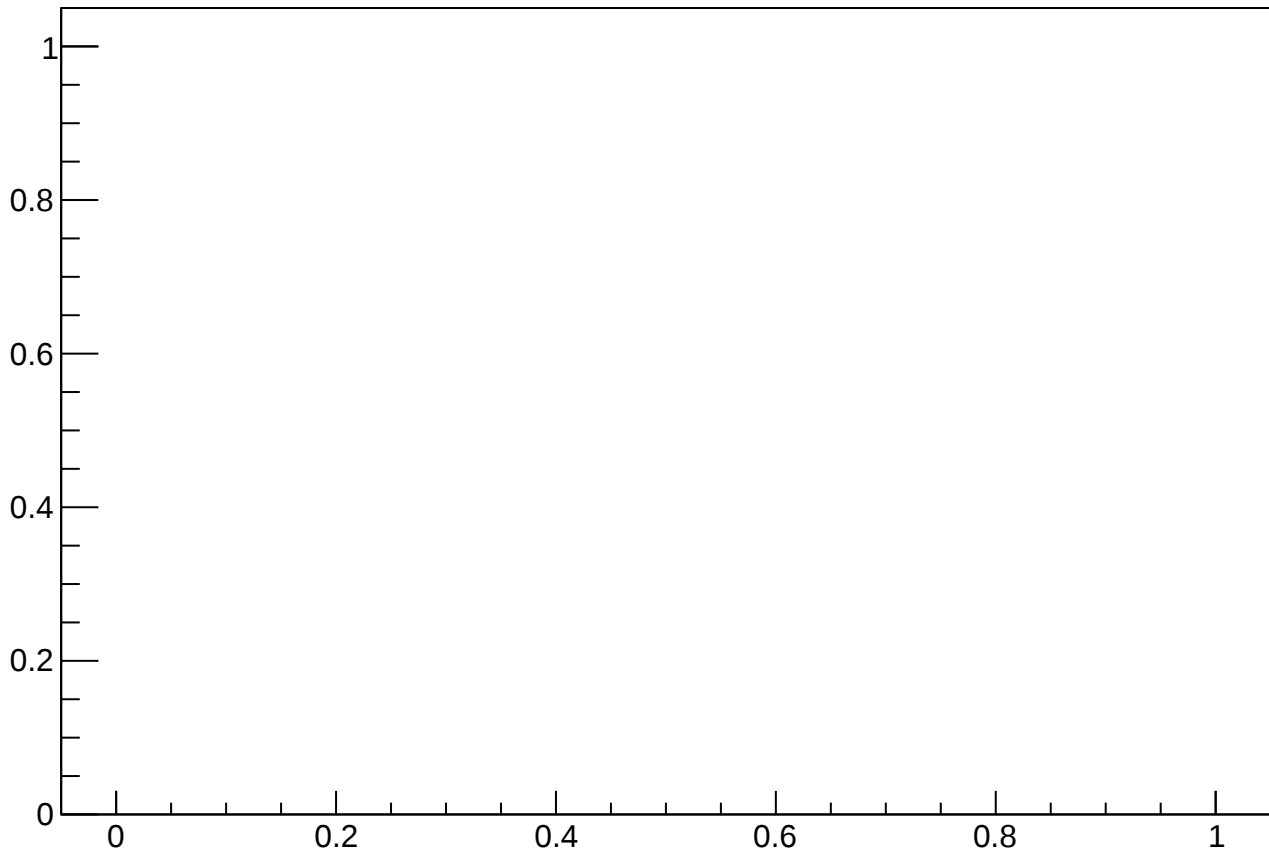
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

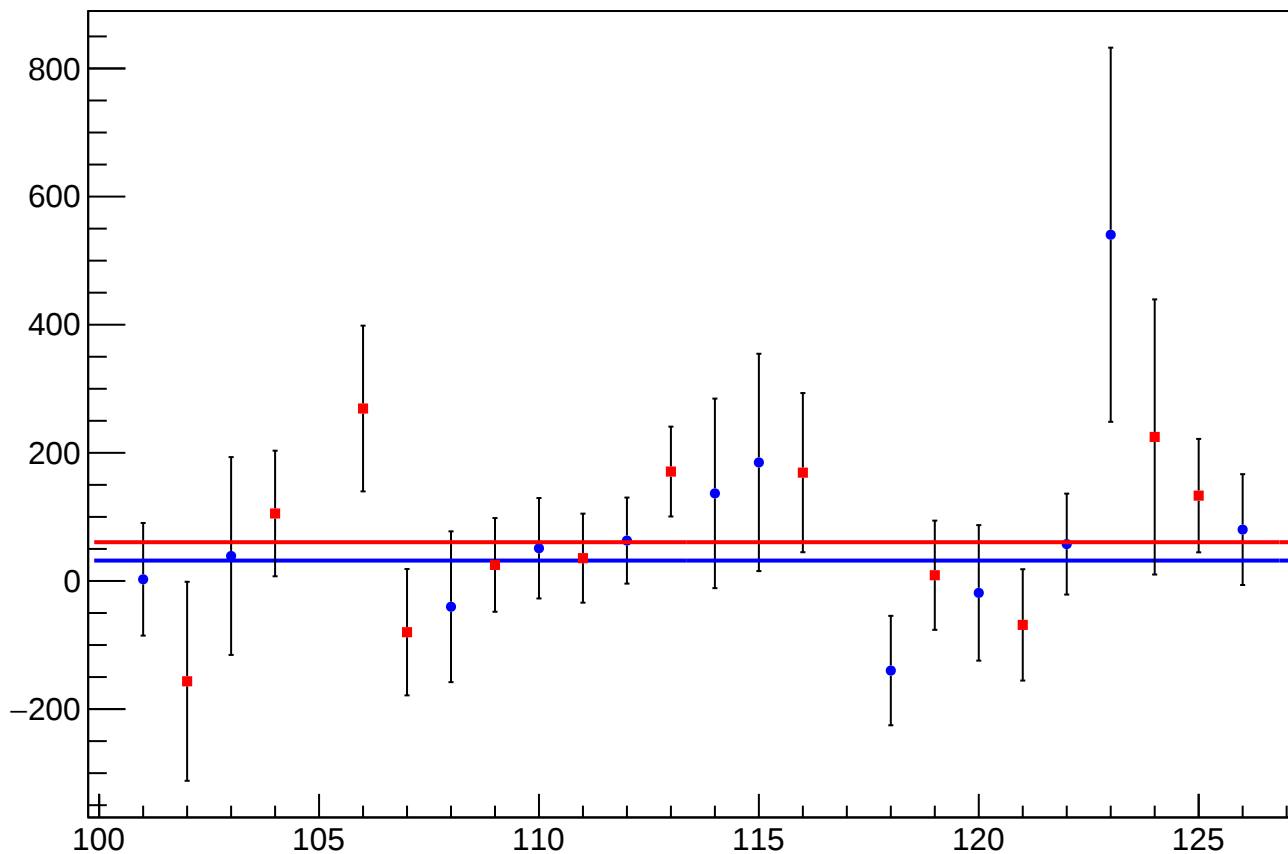
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_1357\_avg\_mean vs Slug, Sign Corrected



Right In: 31.840+/-28.382  $\chi^2/\text{NDF}$ : 9.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 60.518+/-26.825  $\chi^2/\text{NDF}$ : 14.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

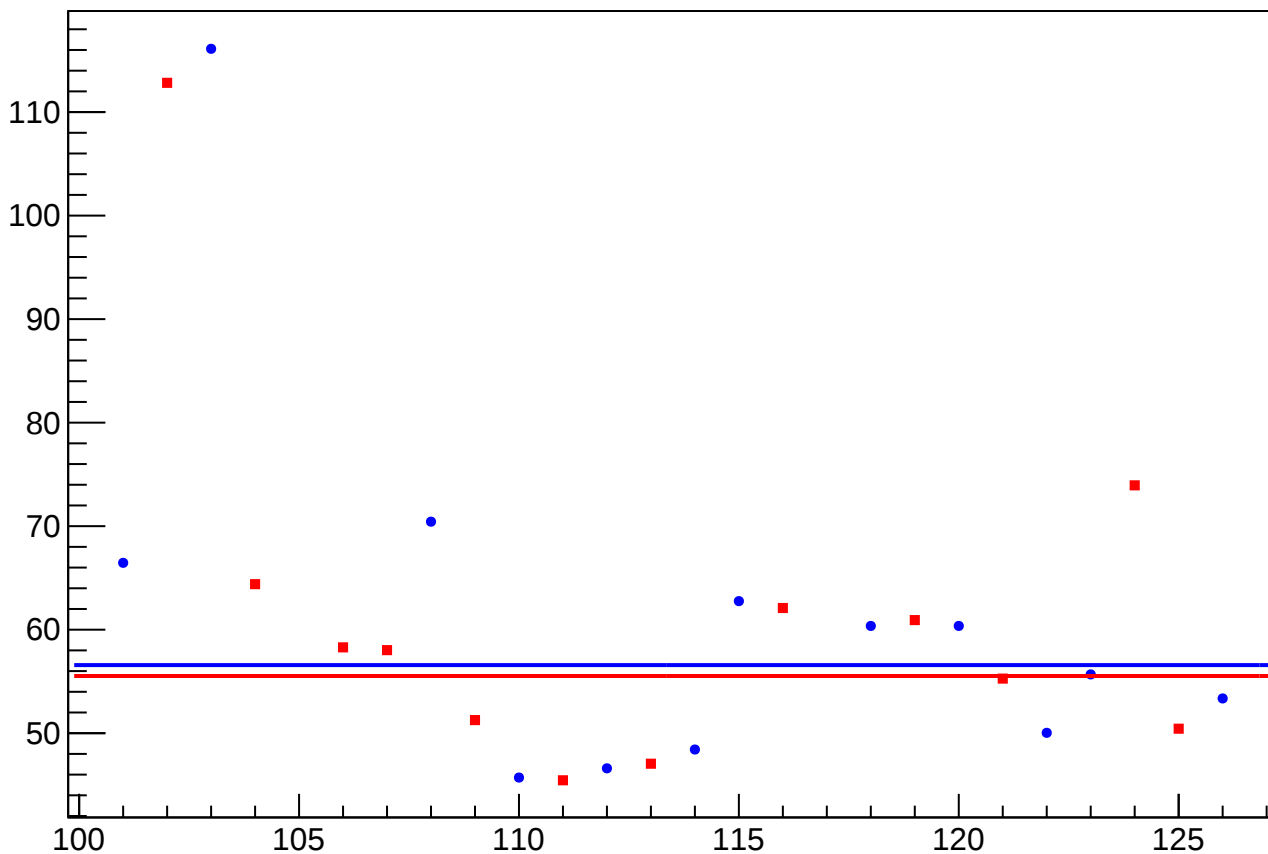
Right: 46.988+/-19.495  $\chi^2/\text{NDF}$ : 24.6/23

In: 31.840+/-28.382  $\chi^2/\text{NDF}$ : 9.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 46.988+/-19.495  $\chi^2/\text{NDF}$ : 24.6/23

dit\_asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 56.579+/-0.020  $\chi^2/\text{NDF}$ : 464593.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 55.526+/-0.019  $\chi^2/\text{NDF}$ : 403772.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

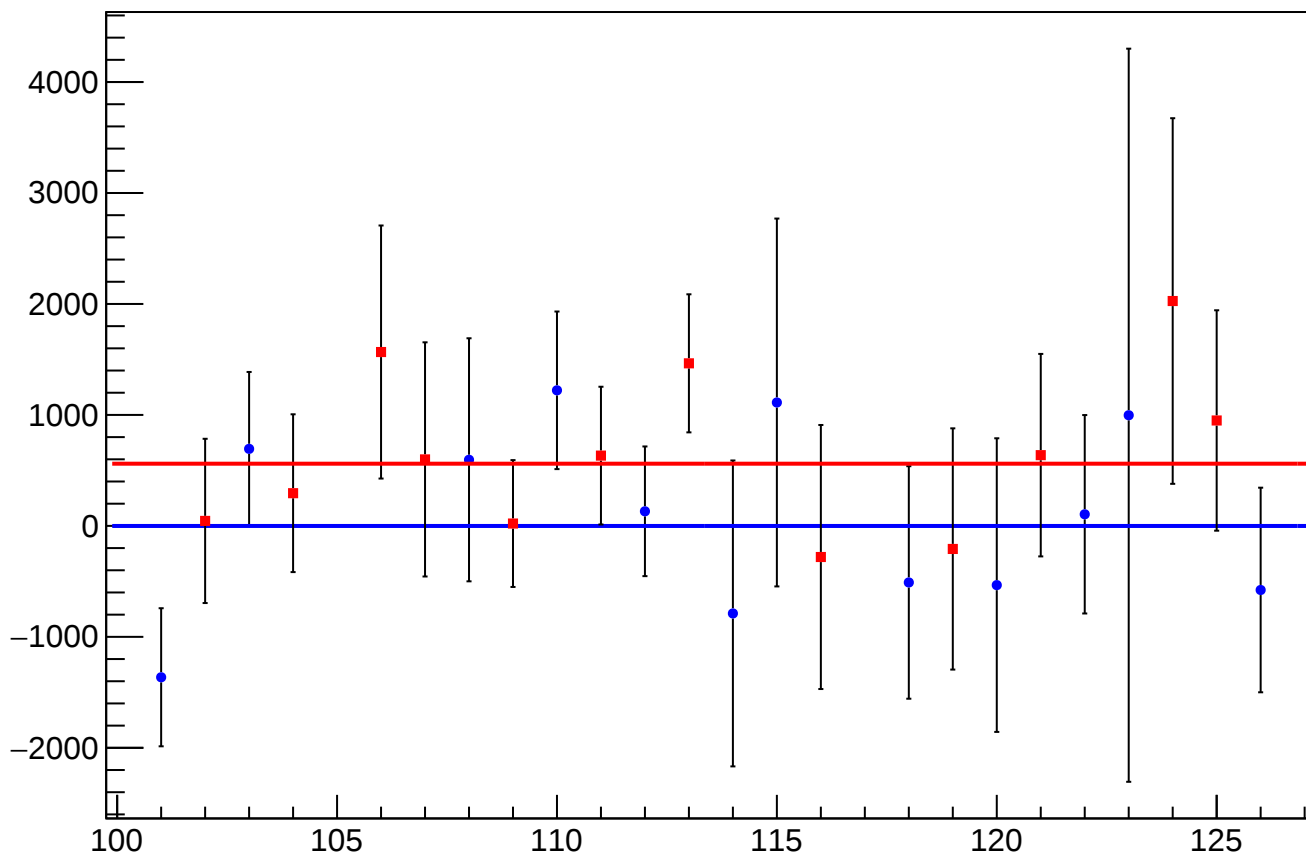
Right: 56.023+/-0.014  $\chi^2/\text{NDF}$ : 869820.5/23

In: 56.579+/-0.020  $\chi^2/\text{NDF}$ : 464593.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 56.023+/-0.014  $\chi^2/\text{NDF}$ : 869820.5/23

asym\_sam\_1357\_avg\_correction\_mean vs Slug, Sign Corrected



Right In:  $-0.667 \pm 255.633$   $\chi^2/\text{NDF}$ : 10.8/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $560.466 \pm 236.697$   $\chi^2/\text{NDF}$ : 6.4/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

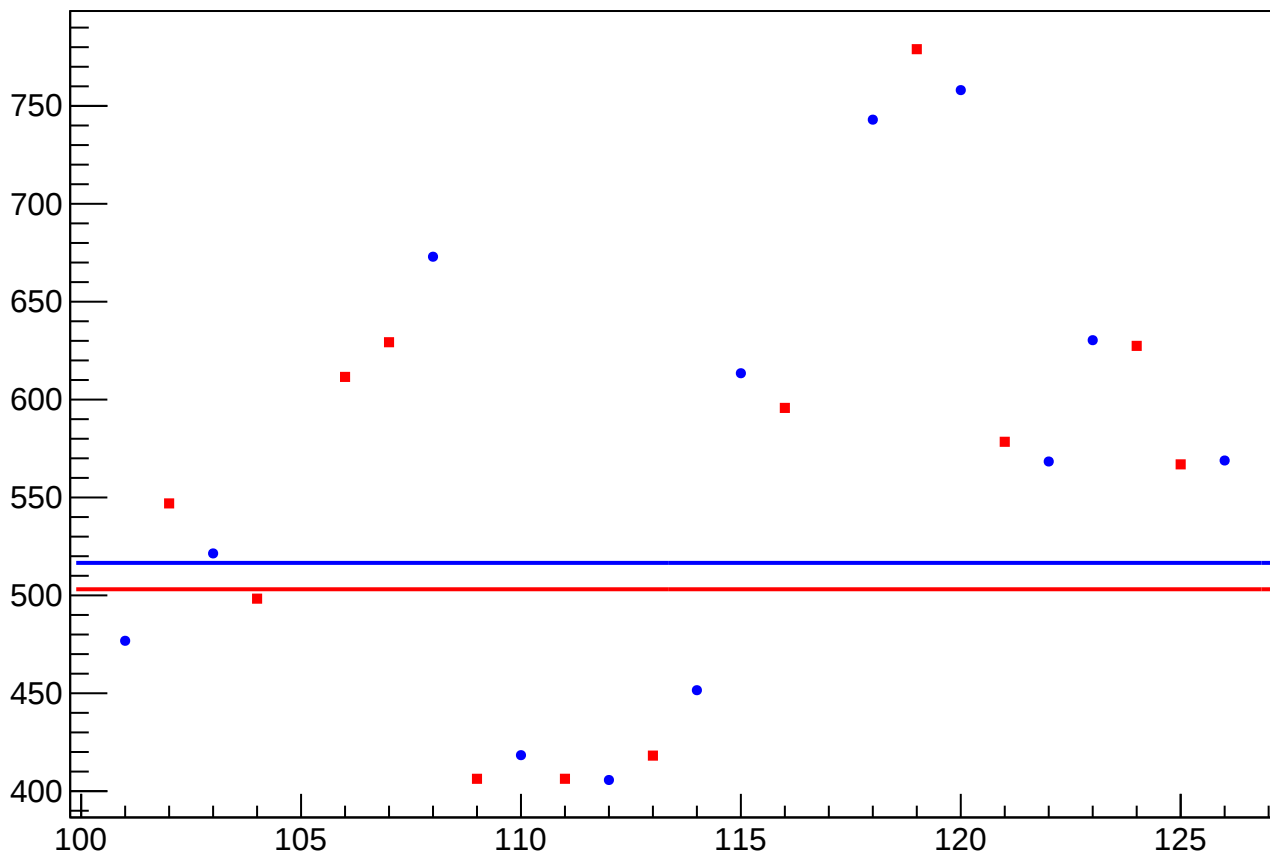
Right:  $301.450 \pm 173.679$   $\chi^2/\text{NDF}$ : 19.8/23

In:  $-0.667 \pm 255.633$   $\chi^2/\text{NDF}$ : 10.8/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $301.450 \pm 173.679$   $\chi^2/\text{NDF}$ : 19.8/23

asym\_sam\_1357\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 516.594+/-0.181  $\chi^2/\text{NDF}$ : 346138.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 503.119+/-0.167  $\chi^2/\text{NDF}$ : 371356.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

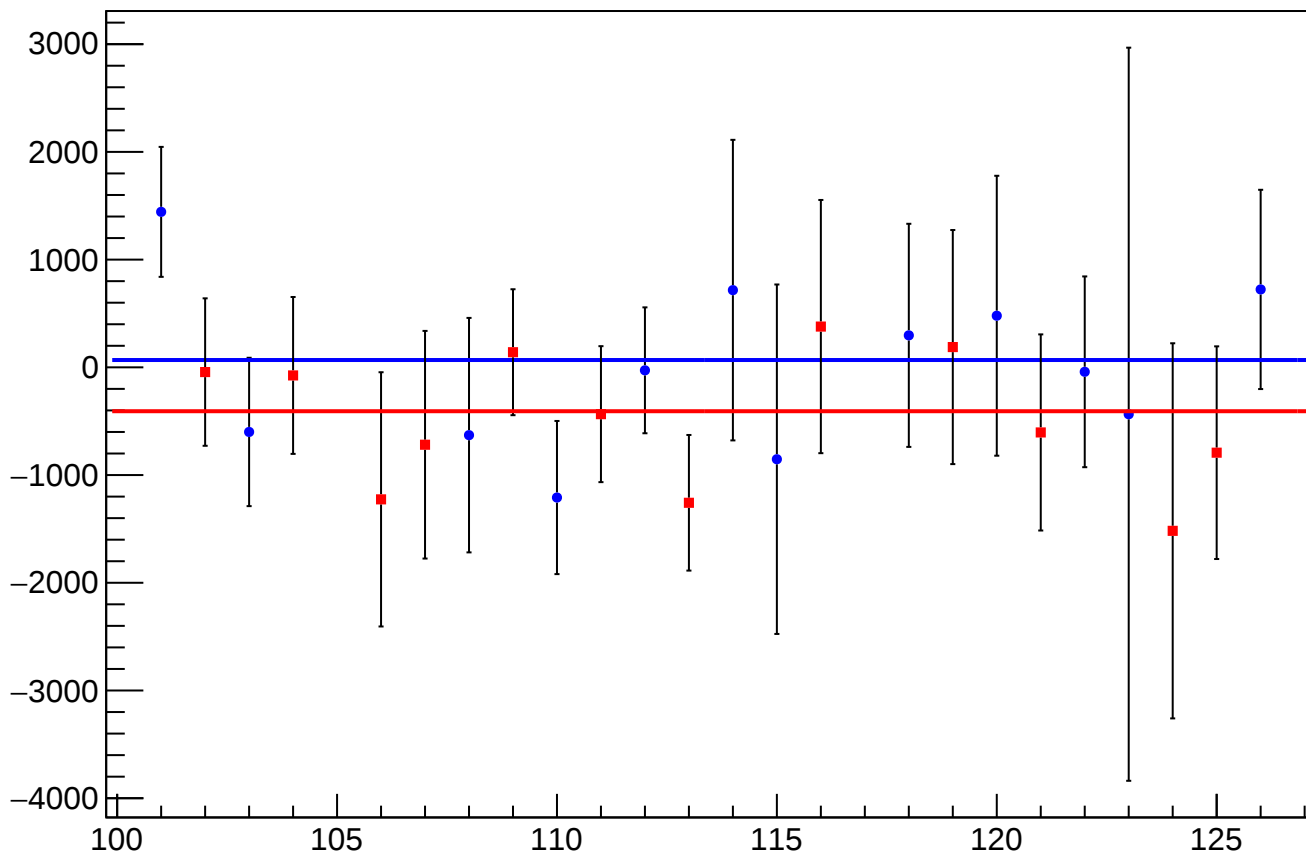
Right: 509.339+/-0.123  $\chi^2/\text{NDF}$ : 720486.6/23

In: 516.594+/-0.181  $\chi^2/\text{NDF}$ :346138.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 509.339+/-0.123  $\chi^2/\text{NDF}$ : 720486.6/23

asym\_sam\_1357\_avg\_mean vs Slug, Sign Corrected



Right In: 67.918+/-253.521  $\chi^2$ /NDF: 11.0/11

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -407.384+/-237.501  $\chi^2$ /NDF: 5.1/11

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

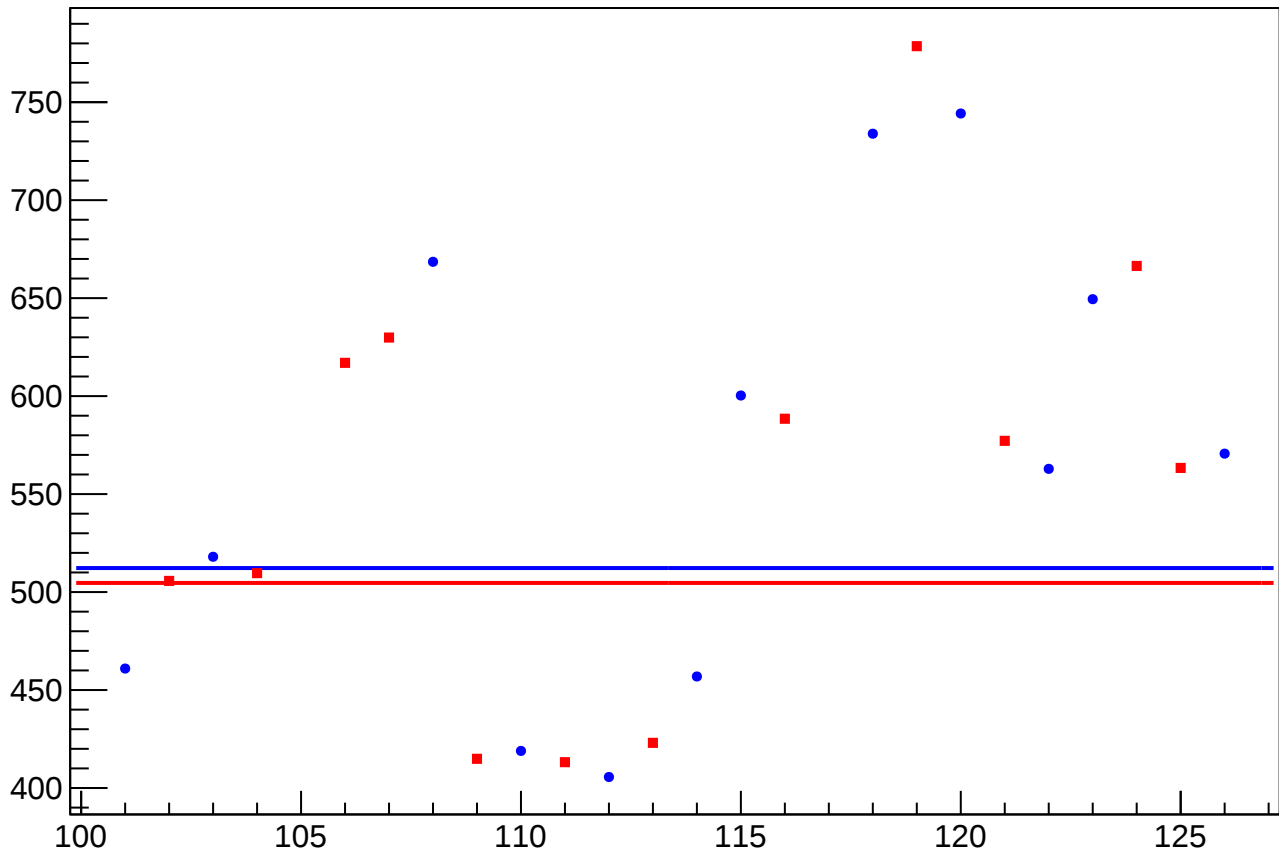
Right: -185.224+/-173.325  $\chi^2$ /NDF: 18.0/23

In: 67.918+/-253.521  $\chi^2$ /NDF:11.0/11

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -185.224+/-173.325  $\chi^2$ /NDF: 18.0/23

asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 512.252+/-0.179  $\chi^2/\text{NDF}$ : 339092.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 504.657+/-0.168  $\chi^2/\text{NDF}$ : 343392.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

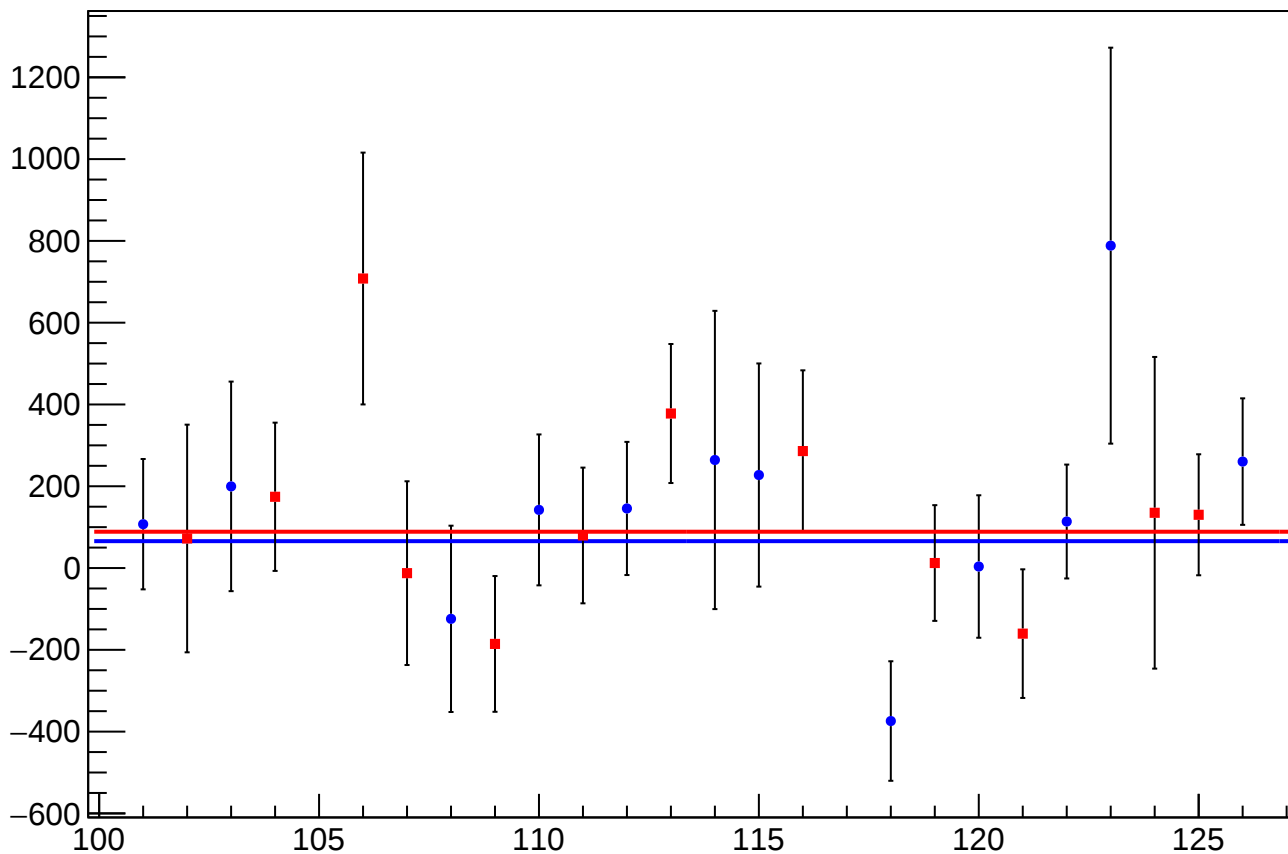
Right: 508.207+/-0.123  $\chi^2/\text{NDF}$ : 683441.4/23

In: 512.252+/-0.179  $\chi^2/\text{NDF}$ :339092.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 508.207+/-0.123  $\chi^2/\text{NDF}$ : 683441.4/23

dit\_asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In: 65.744+/-54.288  $\chi^2/\text{NDF}$ : 15.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 88.821+/-53.489  $\chi^2/\text{NDF}$ : 14.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

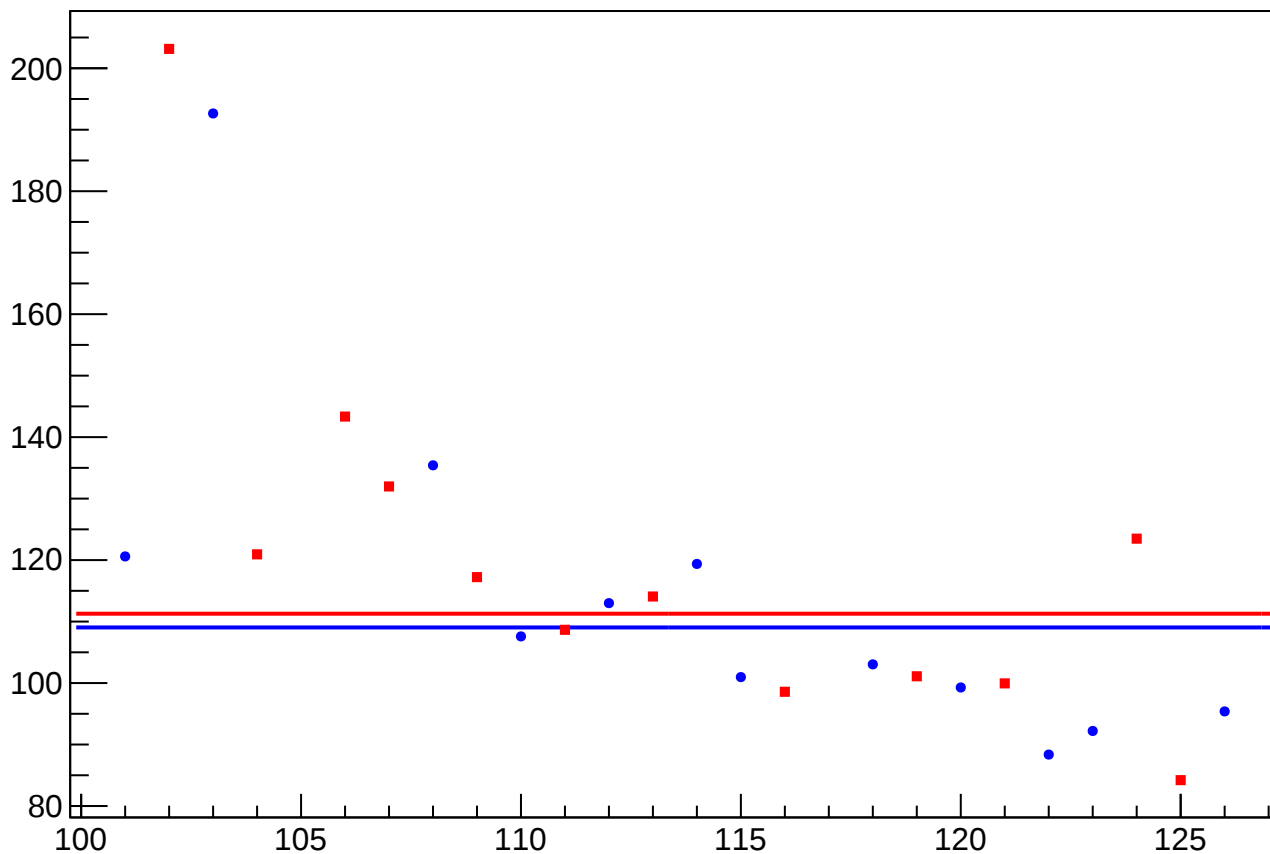
Right: 77.454+/-38.102  $\chi^2/\text{NDF}$ : 29.3/23

In: 65.744+/-54.288  $\chi^2/\text{NDF}$ : 15.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 77.454+/-38.102  $\chi^2/\text{NDF}$ : 29.3/23

dit\_asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 109.044+/-0.038  $\chi^2/\text{NDF}$ : 326642.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 111.280+/-0.038  $\chi^2/\text{NDF}$ : 363846.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

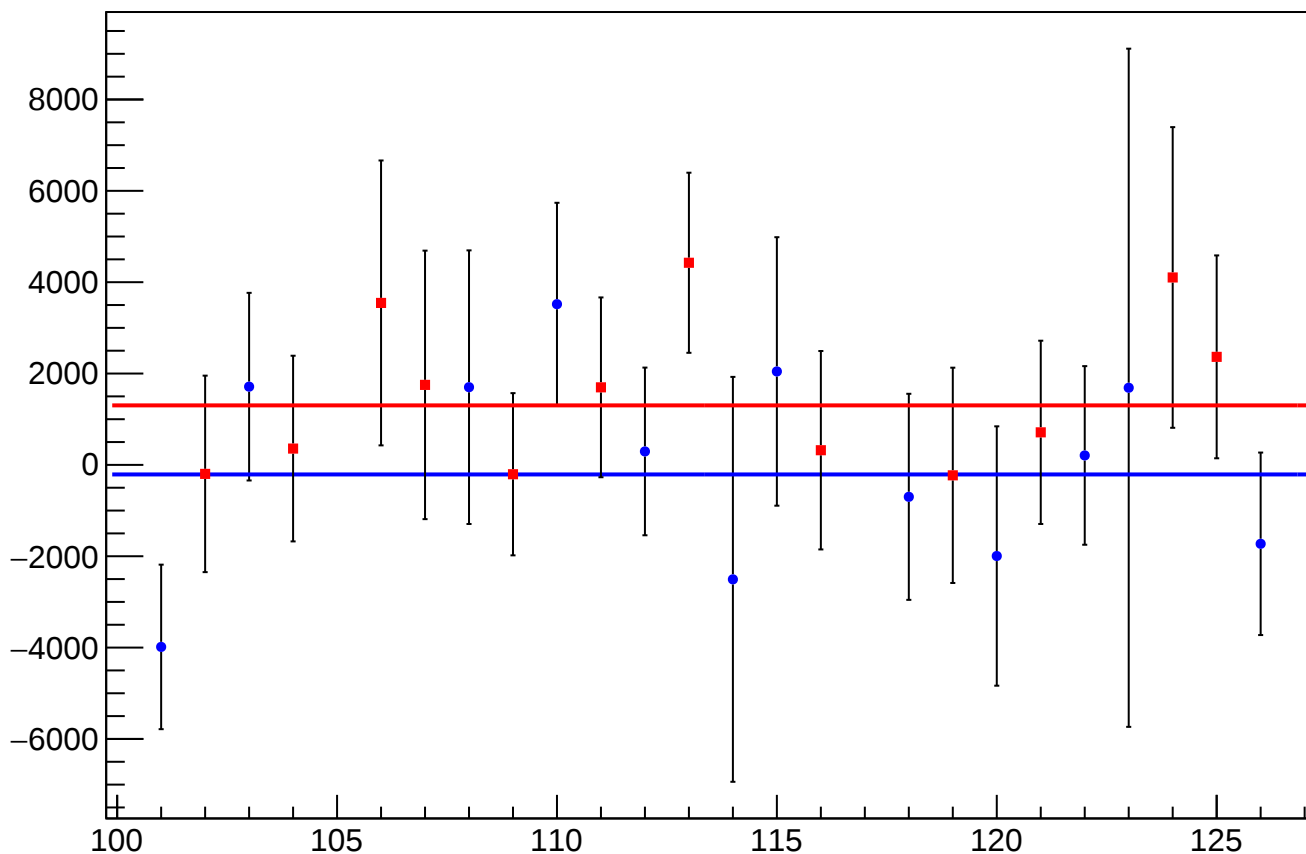
Right: 110.178+/-0.027  $\chi^2/\text{NDF}$ : 692211.4/23

In: 109.044+/-0.038  $\chi^2/\text{NDF}$ :326642.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 110.178+/-0.027  $\chi^2/\text{NDF}$ : 692211.4/23

asym\_sam\_2468\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -209.152+/-678.199  $\chi^2/\text{NDF}$ : 10.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1302.926+/-639.568  $\chi^2/\text{NDF}$ : 6.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

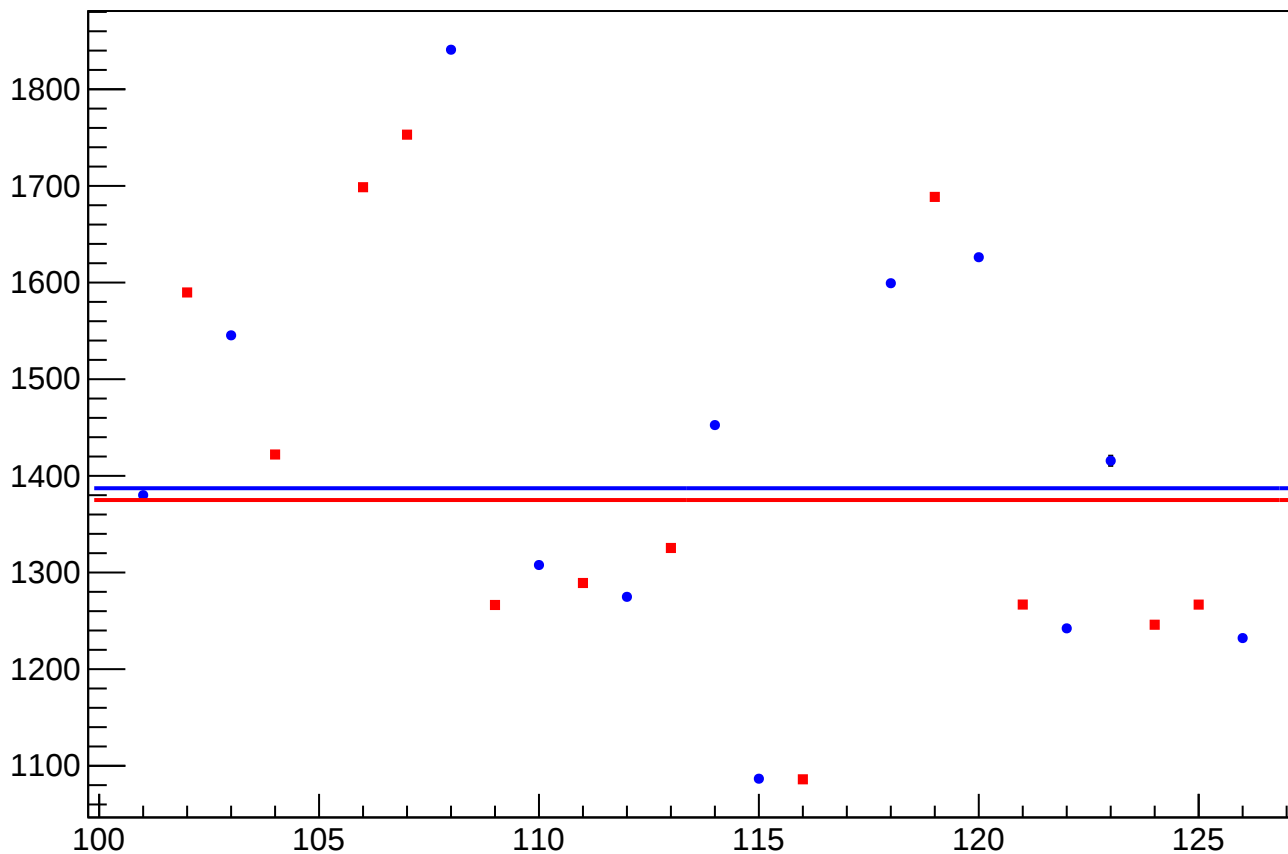
Right: 591.176+/-465.301  $\chi^2/\text{NDF}$ : 19.4/23

In: -209.152+/-678.199  $\chi^2/\text{NDF}$ : 10.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 591.176+/-465.301  $\chi^2/\text{NDF}$ : 19.4/23

asym\_sam\_2468\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1387.200+/-0.480  $\chi^2/\text{NDF}$ : 144115.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1374.990+/-0.452  $\chi^2/\text{NDF}$ : 172629.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

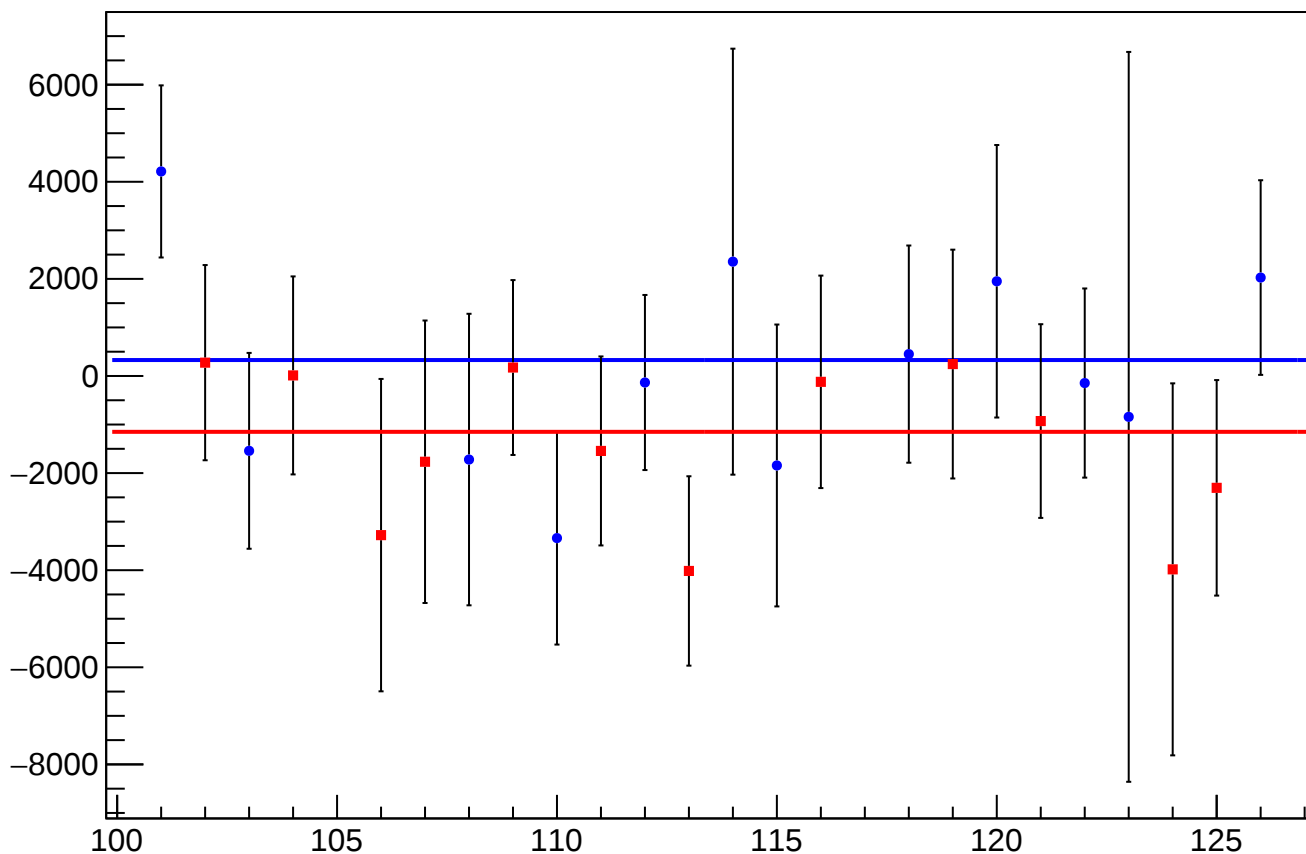
Right: 1380.738+/-0.329  $\chi^2/\text{NDF}$ : 317088.7/23

In: 1387.200+/-0.480  $\chi^2/\text{NDF}$ : 144115.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1380.738+/-0.329  $\chi^2/\text{NDF}$ : 317088.7/23

asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In: 328.408+/-671.443  $\chi^2/\text{NDF}$ : 10.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1150.253+/-638.962  $\chi^2/\text{NDF}$ : 5.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

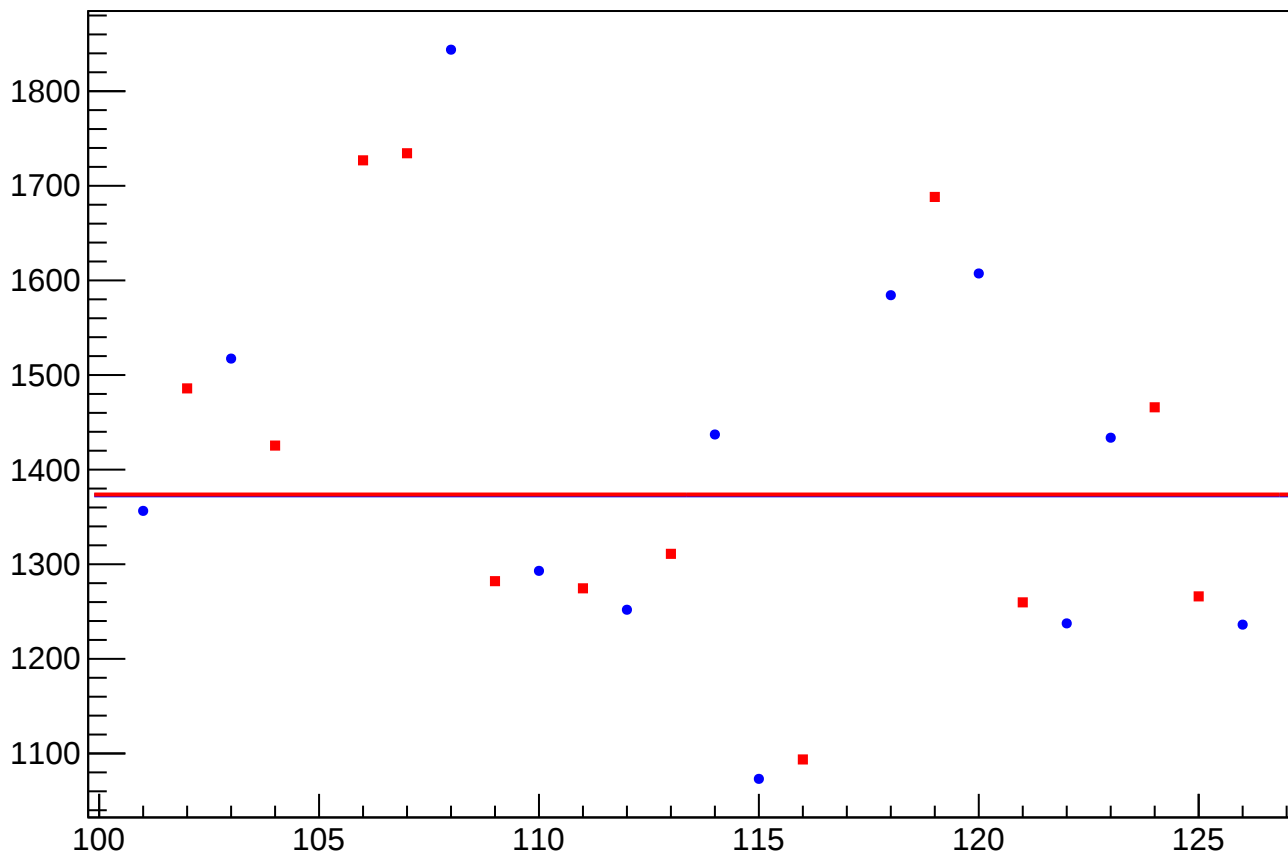
Right: -447.552+/-462.871  $\chi^2/\text{NDF}$ : 18.9/23

In: 328.408+/-671.443  $\chi^2/\text{NDF}$ : 10.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -447.552+/-462.871  $\chi^2/\text{NDF}$ : 18.9/23

asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 1372.844+/-0.475  $\chi^2/\text{NDF}$ : 143999.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1373.698+/-0.452  $\chi^2/\text{NDF}$ : 155586.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

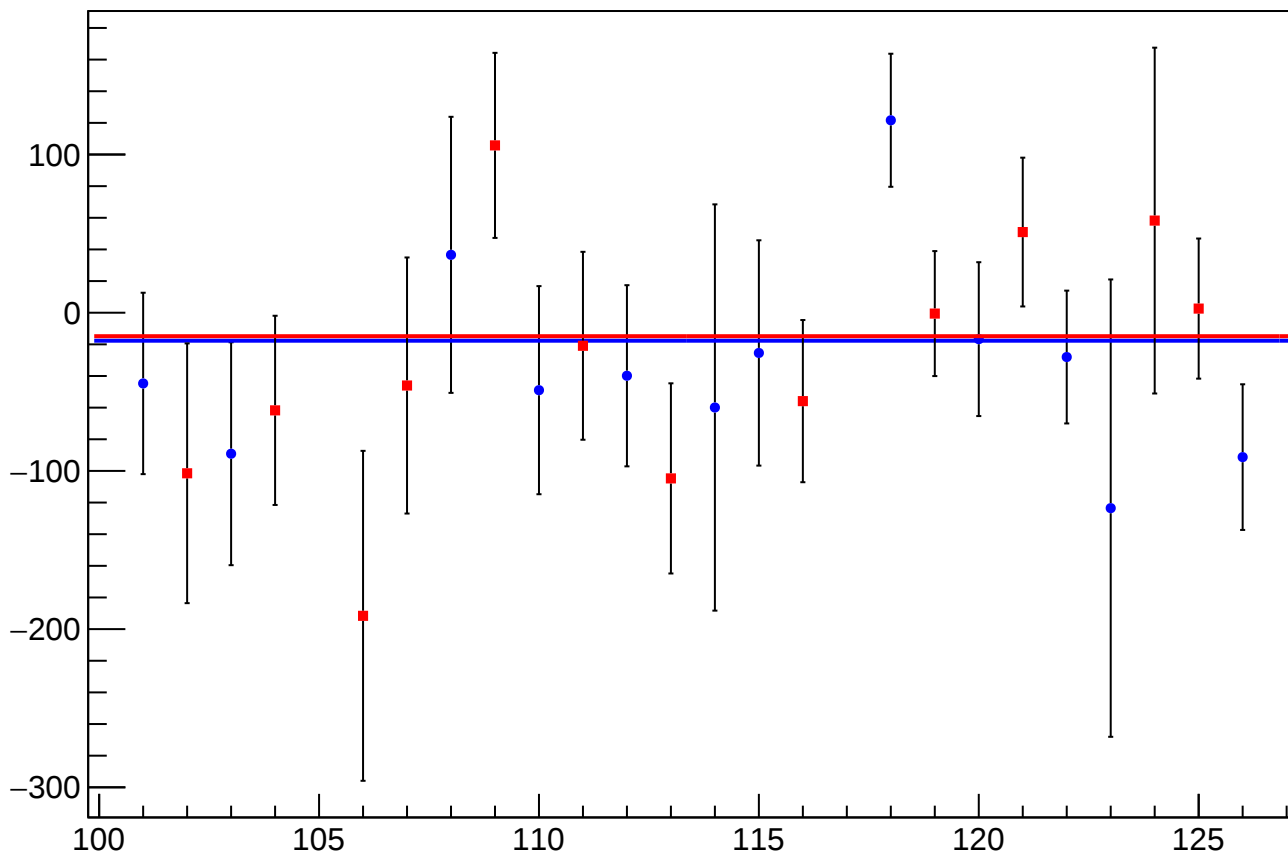
Right: 1373.292+/-0.327  $\chi^2/\text{NDF}$ : 299588.2/23

In: 1372.844+/-0.475  $\chi^2/\text{NDF}$ : 143999.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1373.292+/-0.327  $\chi^2/\text{NDF}$ : 299588.2/23

dit\_asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In:  $-17.689 \pm 16.887$   $\chi^2/\text{NDF}$ : 16.3/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-14.844 \pm 16.684$   $\chi^2/\text{NDF}$ : 14.6/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

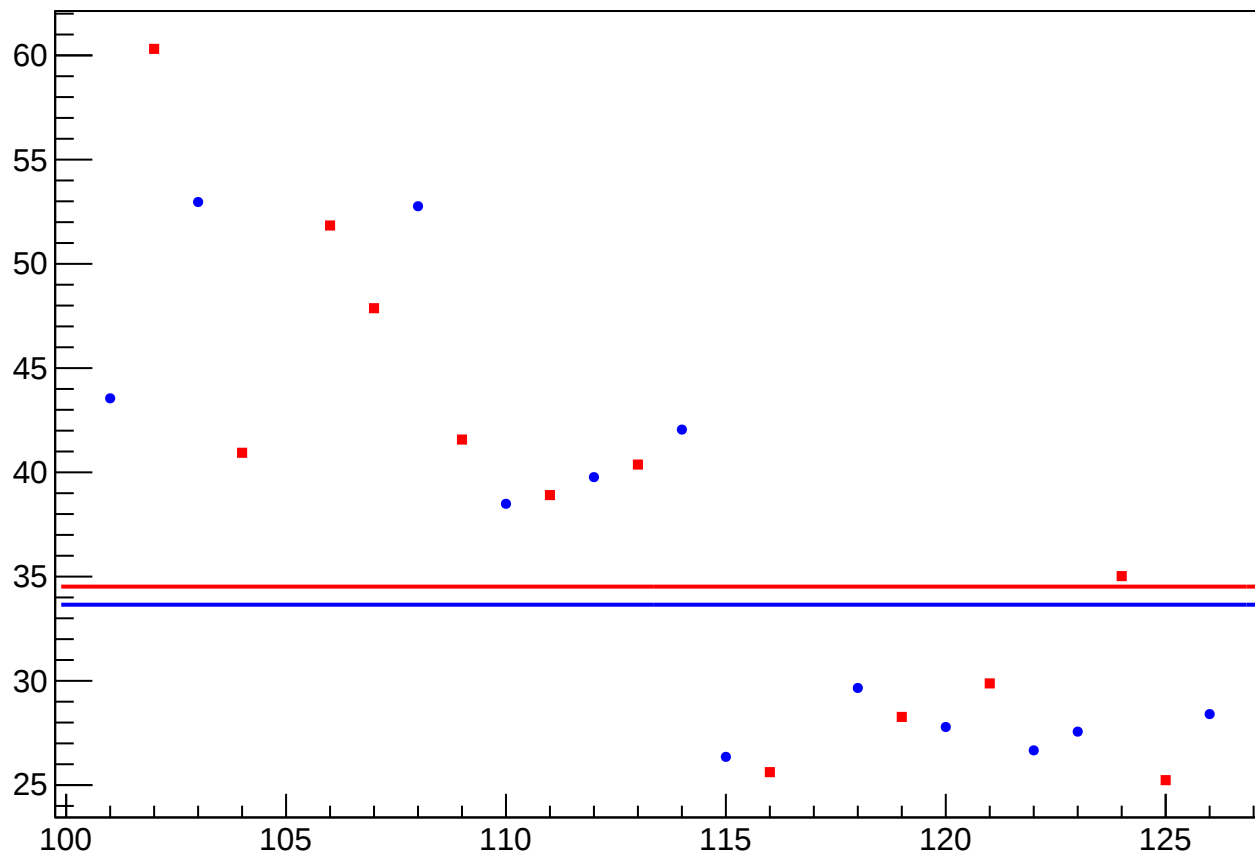
Right:  $-16.249 \pm 11.868$   $\chi^2/\text{NDF}$ : 30.9/23

In:  $-17.689 \pm 16.887$   $\chi^2/\text{NDF}$ : 16.3/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-16.249 \pm 11.868$   $\chi^2/\text{NDF}$ : 30.9/23

dit\_asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 33.652+/-0.012  $\chi^2/\text{NDF}$ : 501273.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 34.519+/-0.012  $\chi^2/\text{NDF}$ : 606838.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

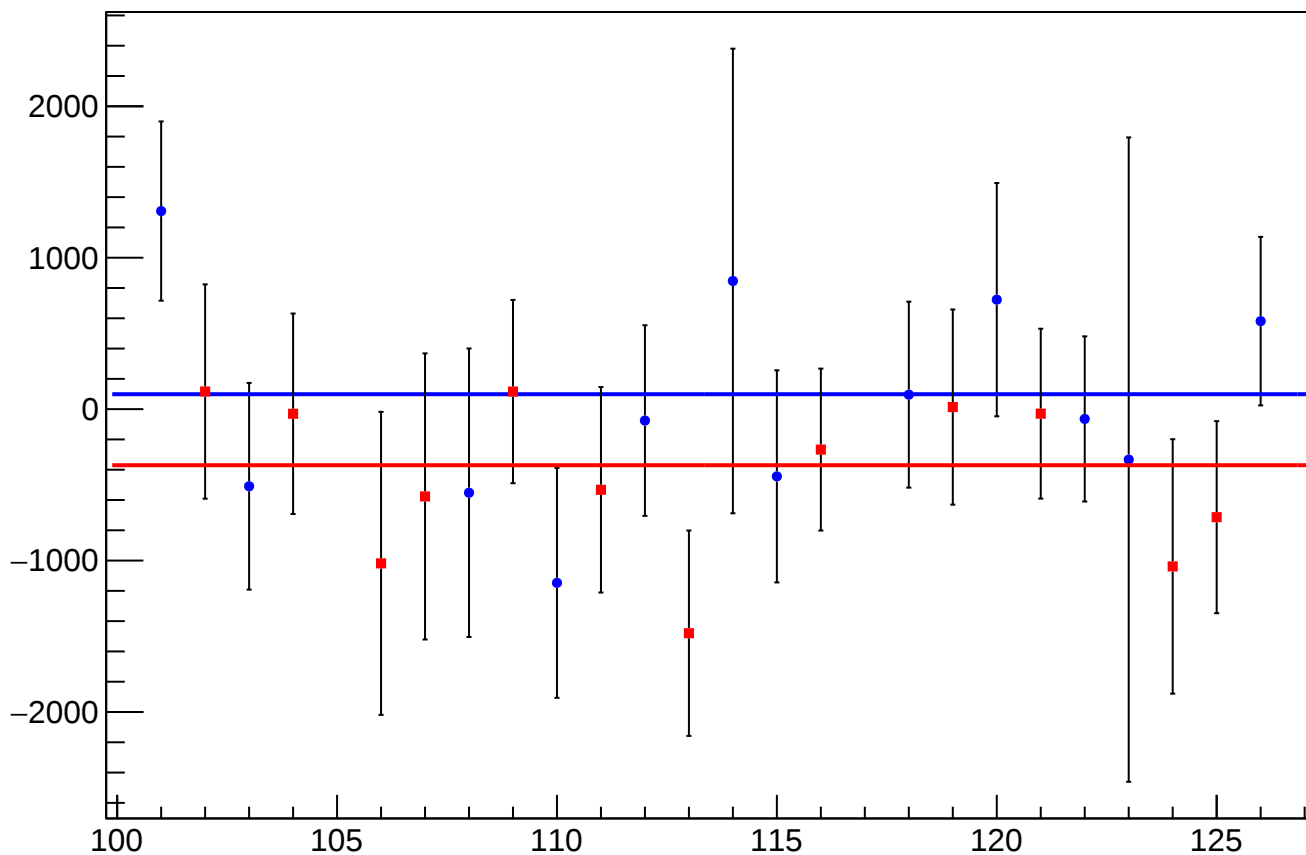
Right: 34.091+/-0.008  $\chi^2/\text{NDF}$ : 1110782.9/23

In: 33.652+/-0.012  $\chi^2/\text{NDF}$ : 501273.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 34.091+/-0.008  $\chi^2/\text{NDF}$ : 1110782.9/23

asym\_sam\_1357\_2468\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 98.640+/-204.233  $\chi^2/\text{NDF}$ : 10.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -370.304+/-194.395  $\chi^2/\text{NDF}$ : 6.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

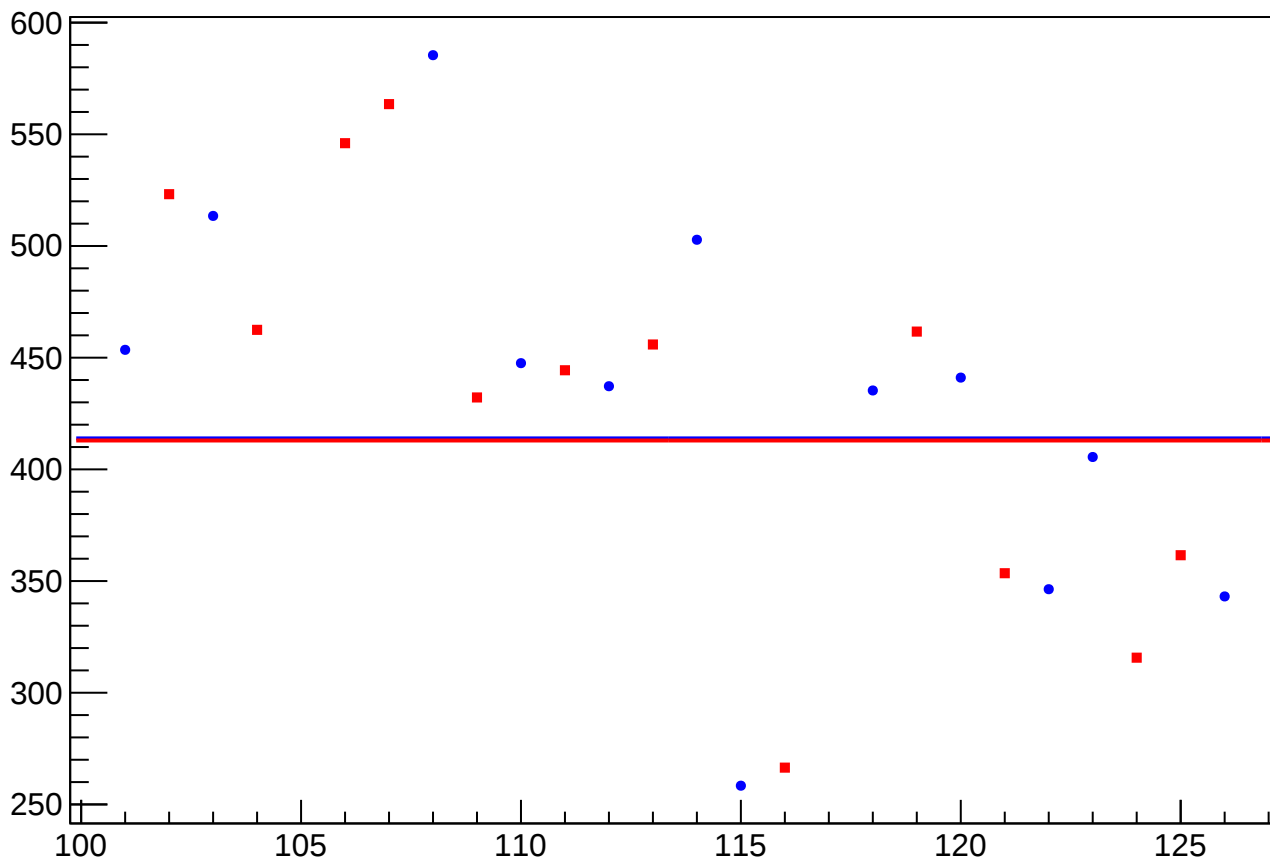
Right: -147.398+/-140.807  $\chi^2/\text{NDF}$ : 19.6/23

In: 98.640+/-204.233  $\chi^2/\text{NDF}$ : 10.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -147.398+/-140.807  $\chi^2/\text{NDF}$ : 19.6/23

asym\_sam\_1357\_2468\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 413.858+/-0.144  $\chi^2/\text{NDF}$ : 296364.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 412.929+/-0.137  $\chi^2/\text{NDF}$ : 384118.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

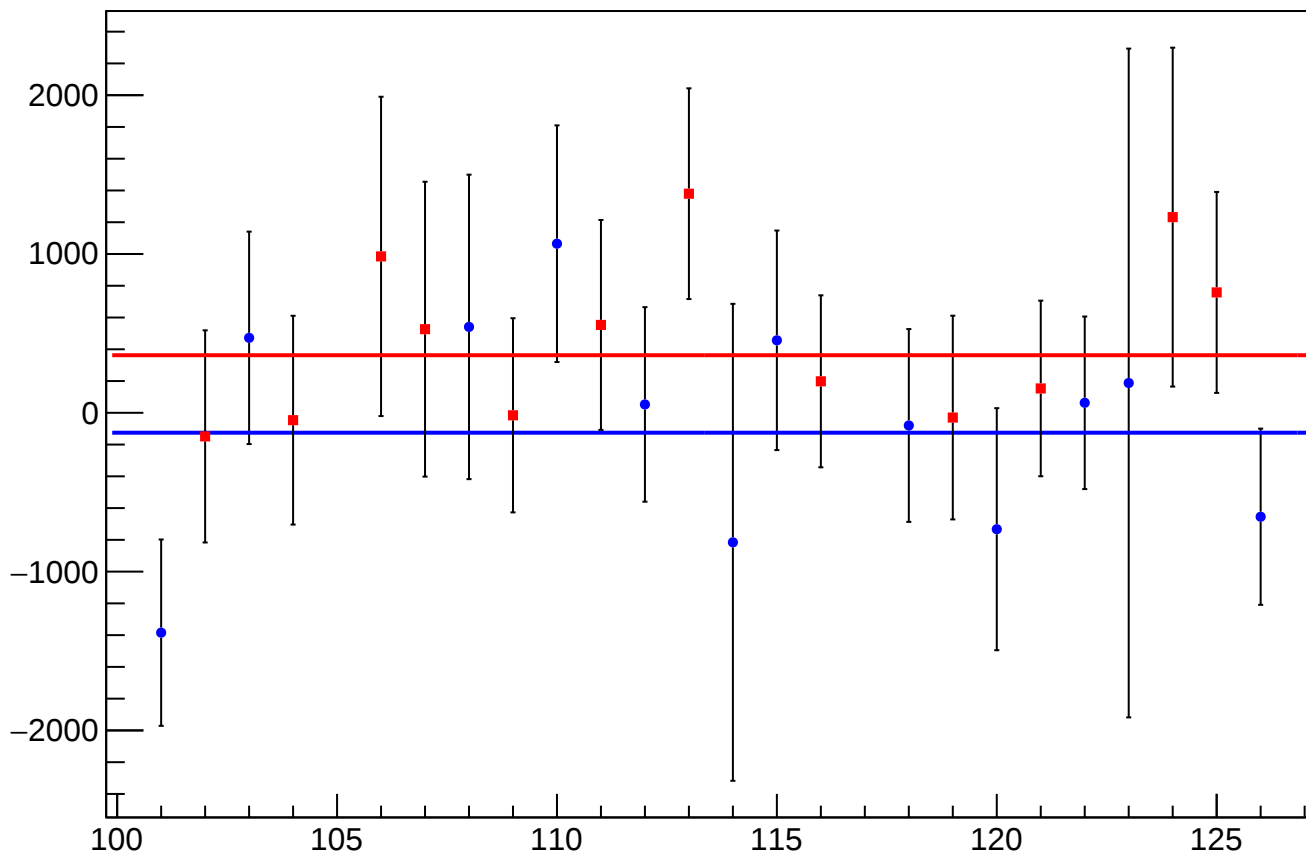
Right: 413.371+/-0.100  $\chi^2/\text{NDF}$ : 680505.0/23

In: 413.858+/-0.144  $\chi^2/\text{NDF}$ : 296364.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 413.371+/-0.100  $\chi^2/\text{NDF}$ : 680505.0/23

asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In: -125.391 $\pm$ 201.914  $\chi^2$ /NDF: 11.1/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 362.617 $\pm$ 194.515  $\chi^2$ /NDF: 5.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

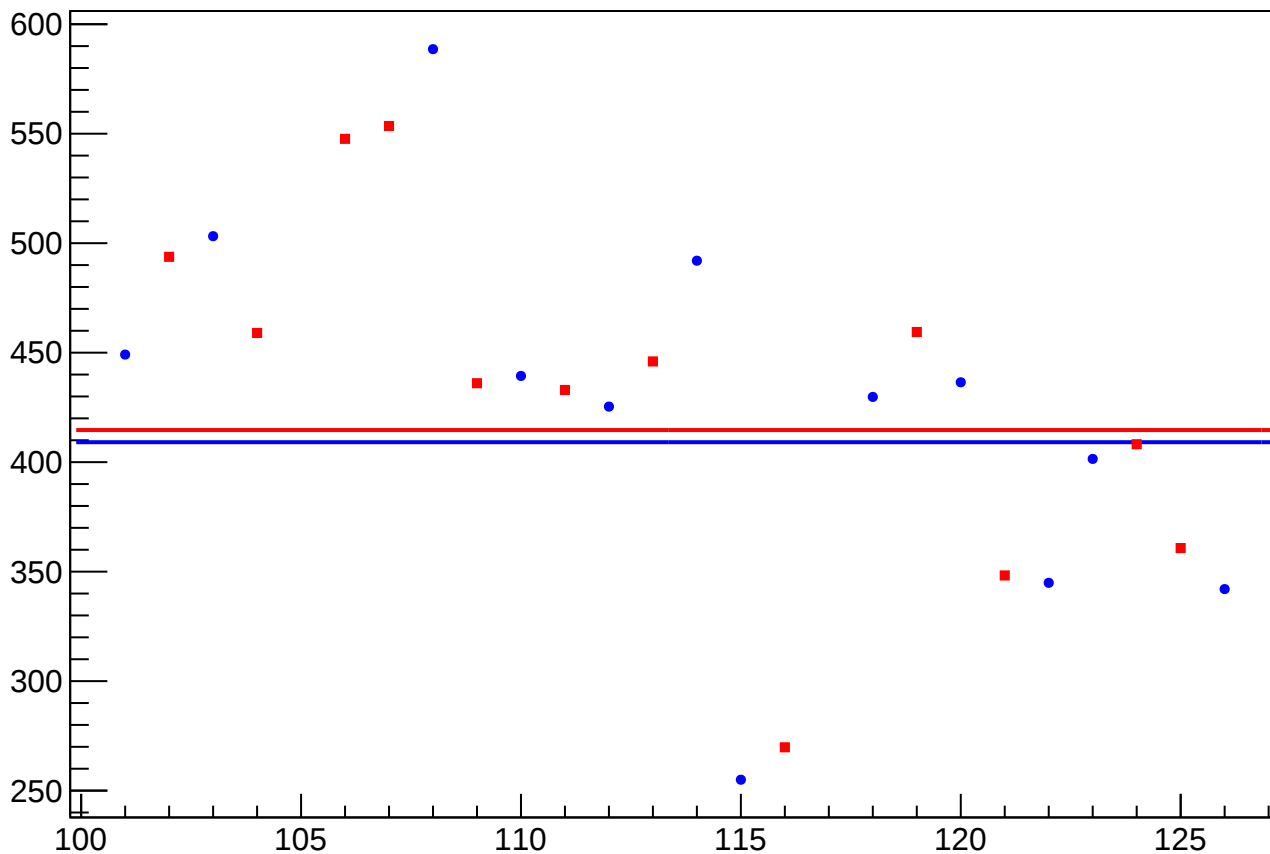
Right: 127.718 $\pm$ 140.086  $\chi^2$ /NDF: 20.0/23

In: -125.391 $\pm$ 201.914  $\chi^2$ /NDF:11.1/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 127.718 $\pm$ 140.086  $\chi^2$ /NDF: 20.0/23

asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 409.112 $\pm$ 0.143  $\chi^2$ /NDF: 291346.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 414.666 $\pm$ 0.138  $\chi^2$ /NDF: 321676.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

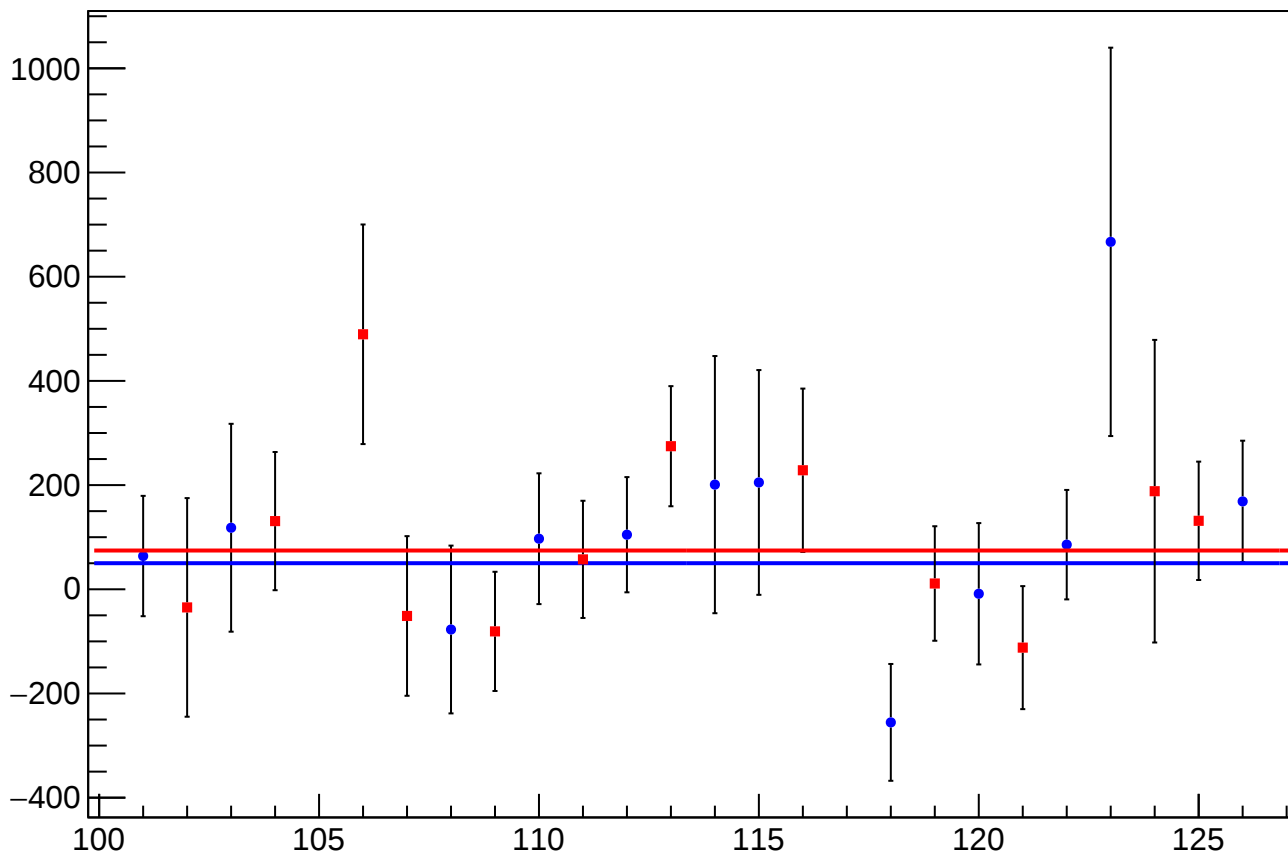
Right: 411.993 $\pm$ 0.099  $\chi^2$ /NDF: 613807.7/23

In: 409.112 $\pm$ 0.143  $\chi^2$ /NDF:291346.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 411.993 $\pm$ 0.099  $\chi^2$ /NDF: 613807.7/23

dit\_asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In: 50.079+/-39.933  $\chi^2/\text{NDF}$ : 13.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 74.432+/-38.928  $\chi^2/\text{NDF}$ : 14.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

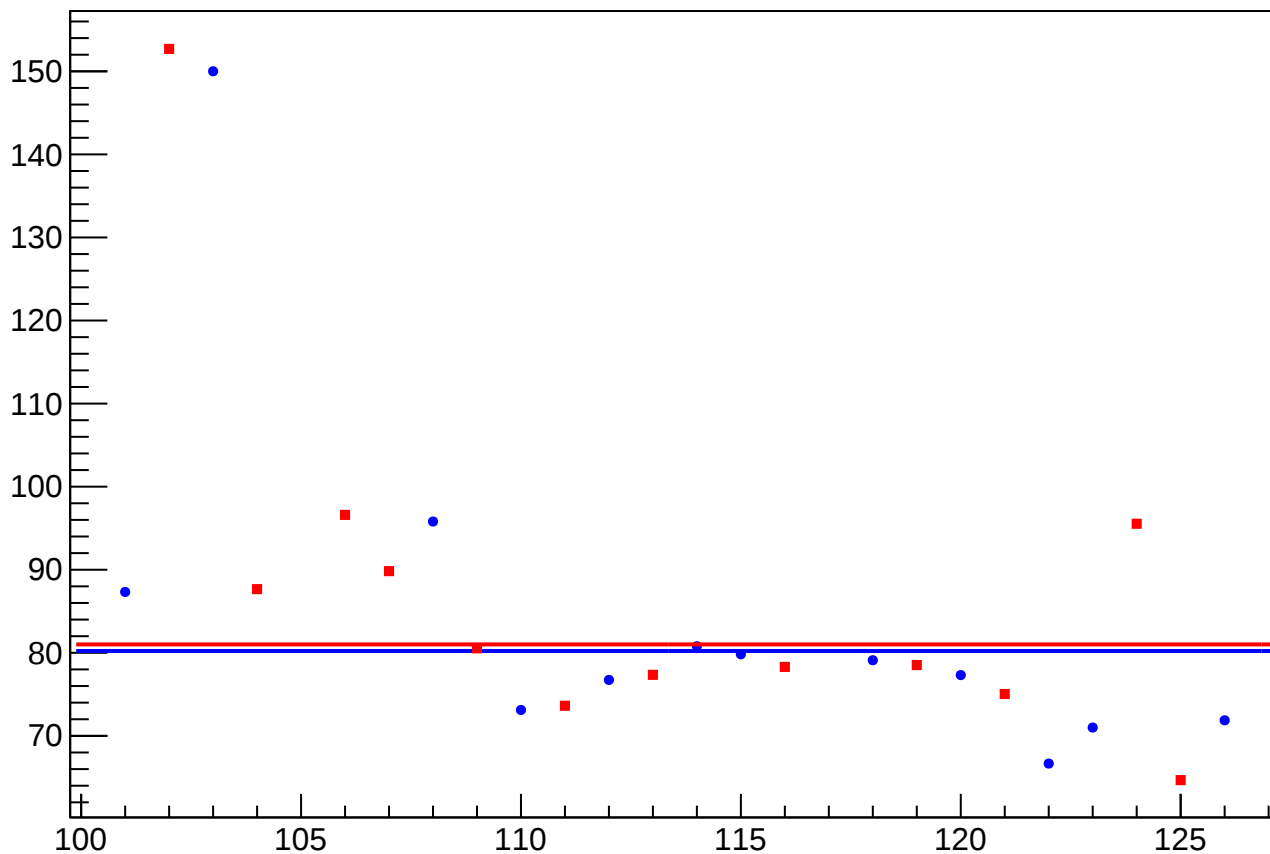
Right: 62.566+/-27.875  $\chi^2/\text{NDF}$ : 27.8/23

In: 50.079+/-39.933  $\chi^2/\text{NDF}$ : 13.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 62.566+/-27.875  $\chi^2/\text{NDF}$ : 27.8/23

dit\_asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 80.214+/-0.028  $\chi^2/\text{NDF}$ : 325309.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 81.010+/-0.028  $\chi^2/\text{NDF}$ : 319816.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

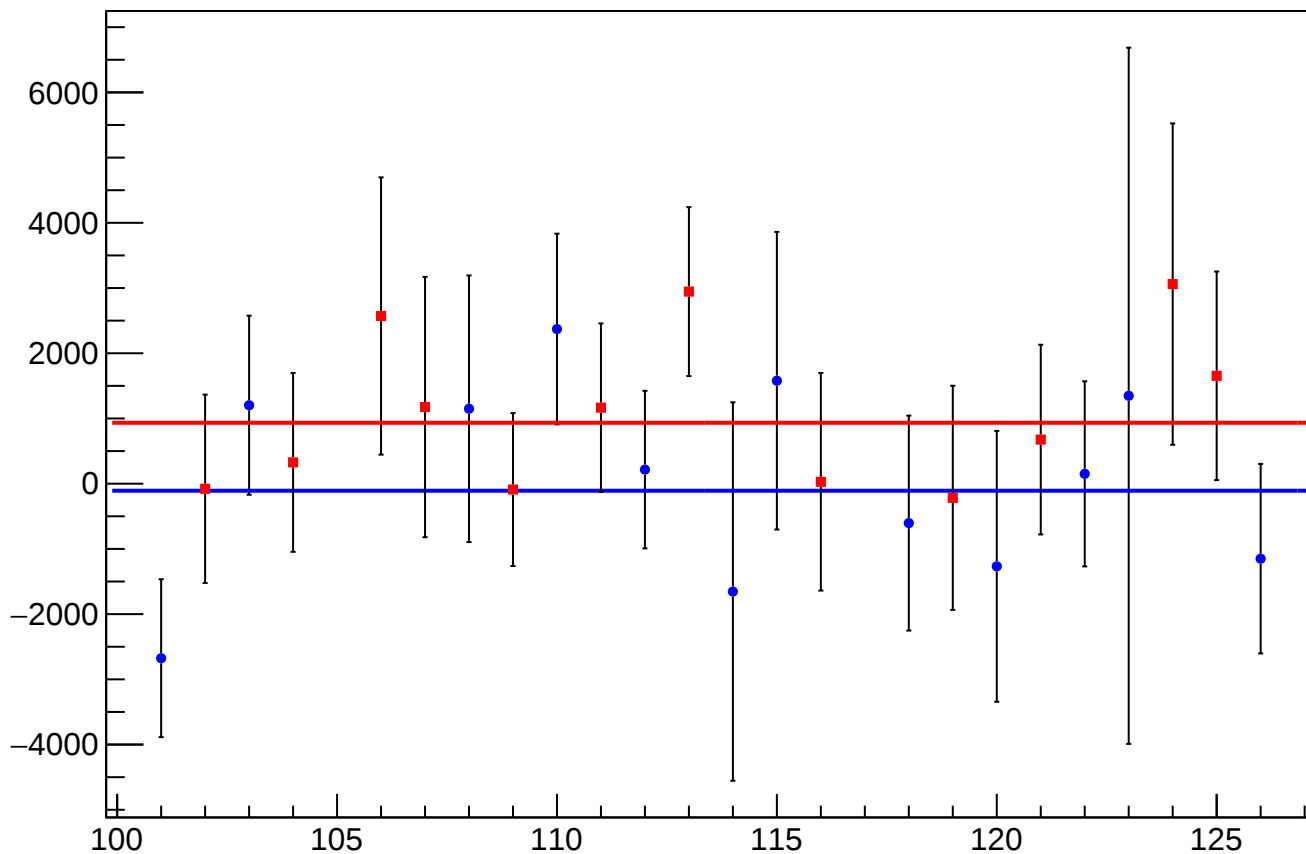
Right: 80.622+/-0.020  $\chi^2/\text{NDF}$ : 645532.9/23

In: 80.214+/-0.028  $\chi^2/\text{NDF}$ :325309.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 80.622+/-0.020  $\chi^2/\text{NDF}$ : 645532.9/23

asym\_sam\_12345678\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -107.722+/-470.249  $\chi^2/\text{NDF}$ : 10.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 934.489+/-441.368  $\chi^2/\text{NDF}$ : 6.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

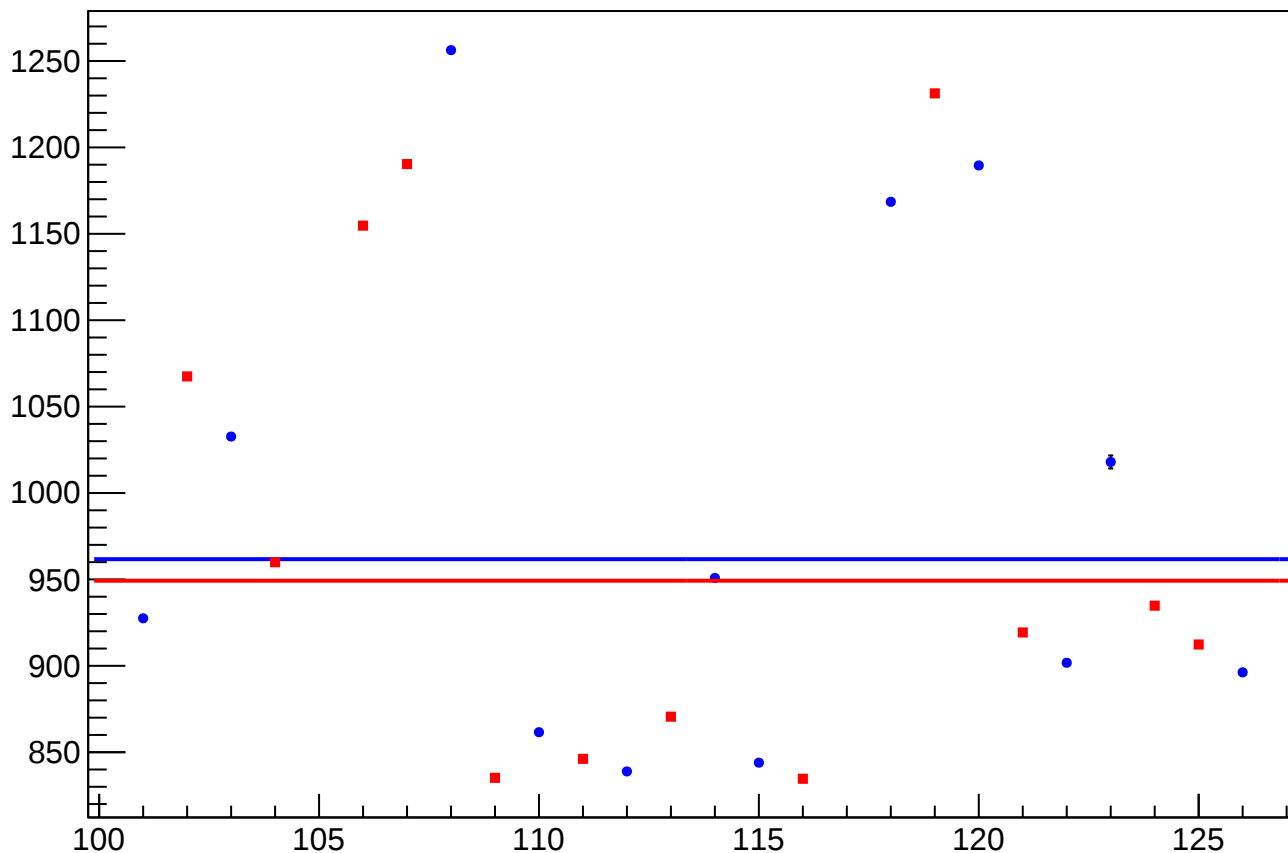
Right: 446.369+/-321.820  $\chi^2/\text{NDF}$ : 19.4/23

In: -107.722+/-470.249  $\chi^2/\text{NDF}$ : 10.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 446.369+/-321.820  $\chi^2/\text{NDF}$ : 19.4/23

asym\_sam\_12345678\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 961.722+/-0.333  $\chi^2/\text{NDF}$ : 147314.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 949.256+/-0.312  $\chi^2/\text{NDF}$ : 165742.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

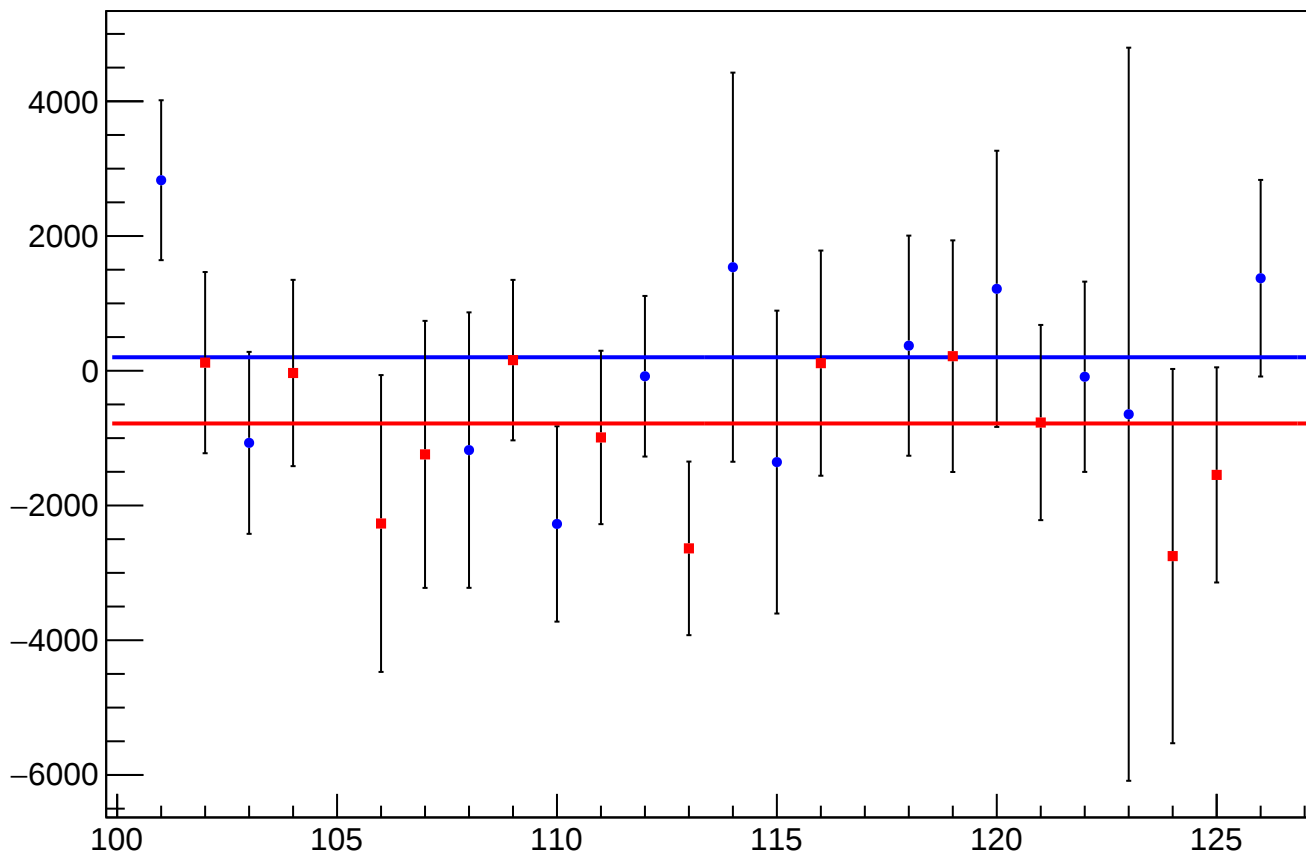
Right: 955.095+/-0.228  $\chi^2/\text{NDF}$ : 313803.4/23

In: 961.722+/-0.333  $\chi^2/\text{NDF}$ : 147314.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 955.095+/-0.228  $\chi^2/\text{NDF}$ : 313803.4/23

asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In: 200.477+/-465.636  $\chi^2/\text{NDF}$ : 10.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -782.432+/-440.980  $\chi^2/\text{NDF}$ : 5.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

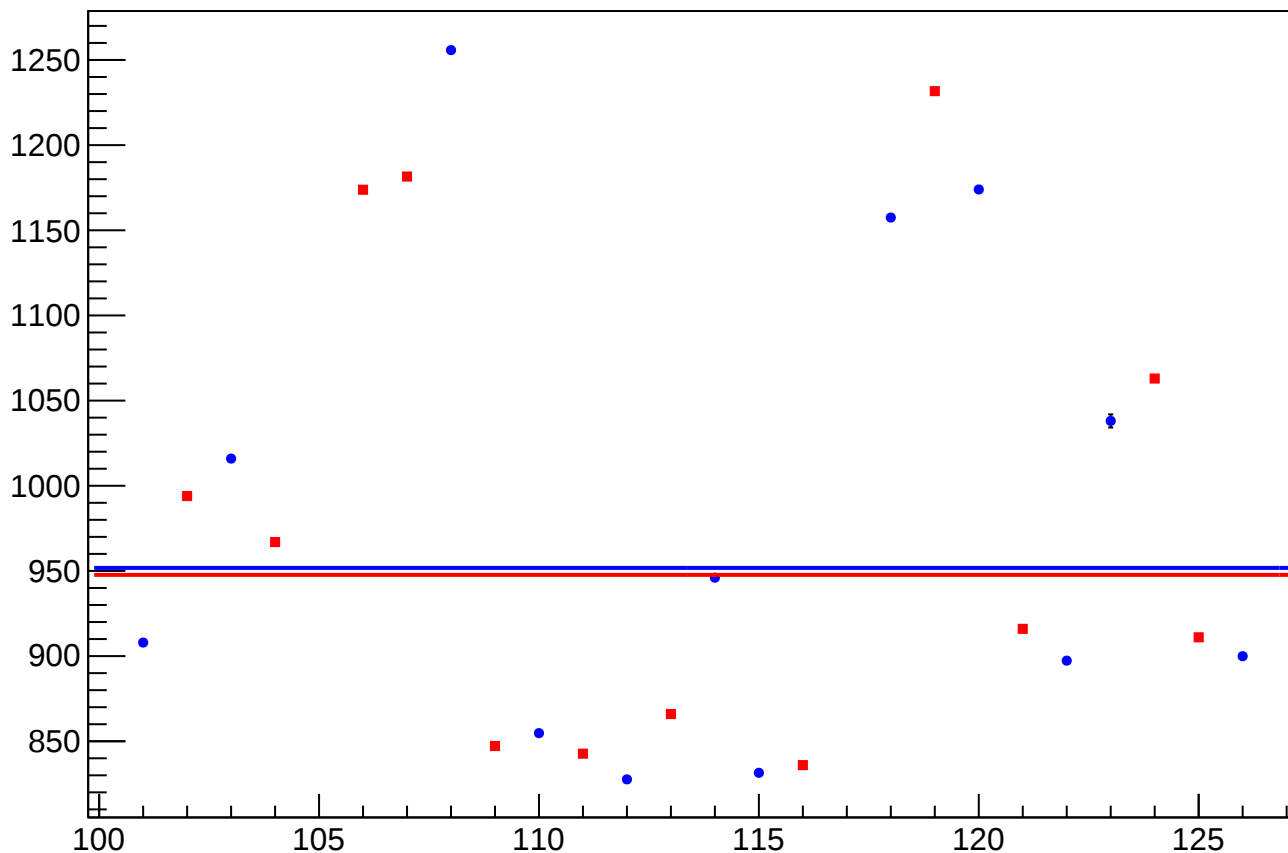
Right: -317.688+/-320.182  $\chi^2/\text{NDF}$ : 18.6/23

In: 200.477+/-465.636  $\chi^2/\text{NDF}$ : 10.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -317.688+/-320.182  $\chi^2/\text{NDF}$ : 18.6/23

asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 951.787+/-0.329  $\chi^2/\text{NDF}$ : 149040.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 947.676+/-0.312  $\chi^2/\text{NDF}$ : 156237.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

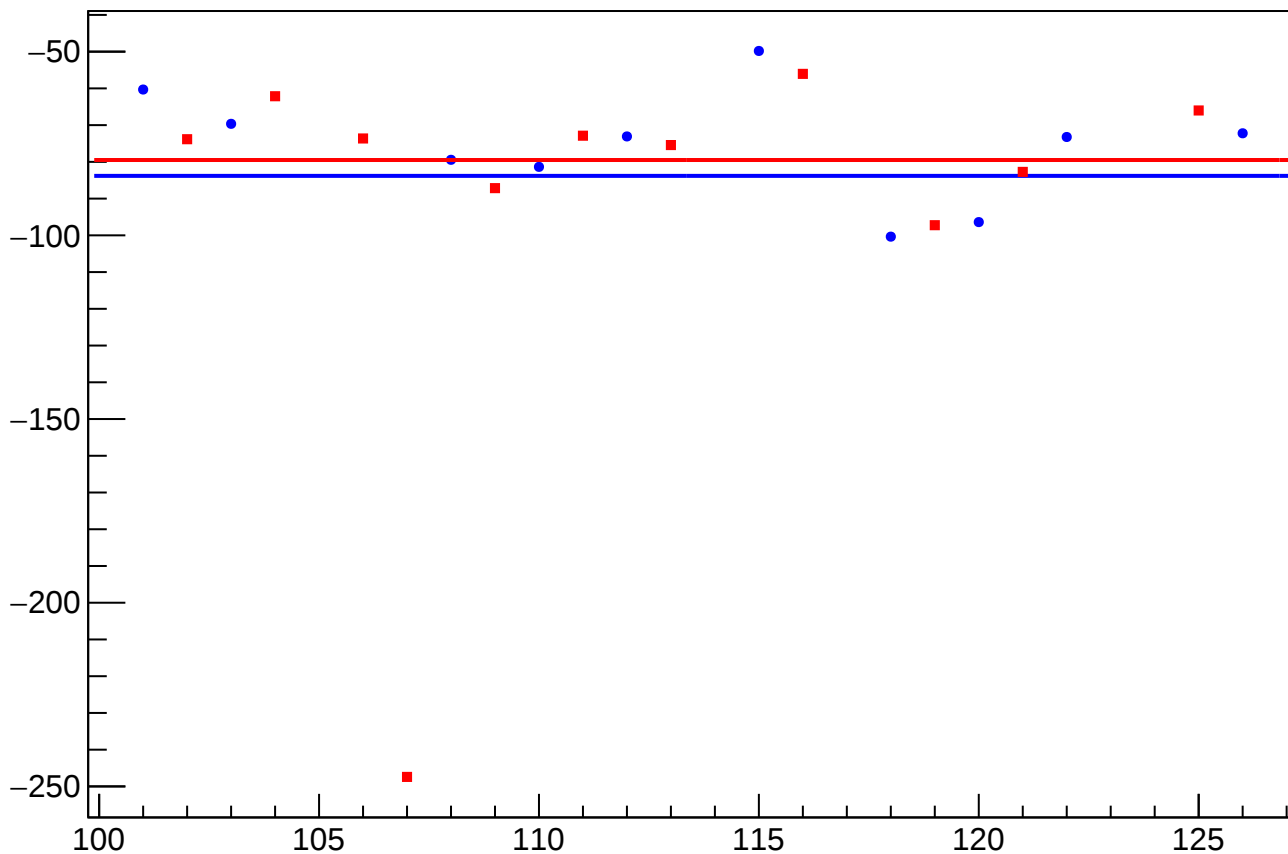
Right: 949.620+/-0.226  $\chi^2/\text{NDF}$ : 305360.0/23

In: 951.787+/-0.329  $\chi^2/\text{NDF}$ :149040.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 949.620+/-0.226  $\chi^2/\text{NDF}$ : 305360.0/23

# dit\_usl\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-83.812 \pm 0.097$   $\chi^2/\text{NDF}: 19279.6/9$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-79.495 \pm 0.118$   $\chi^2/\text{NDF}: 32642.3/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

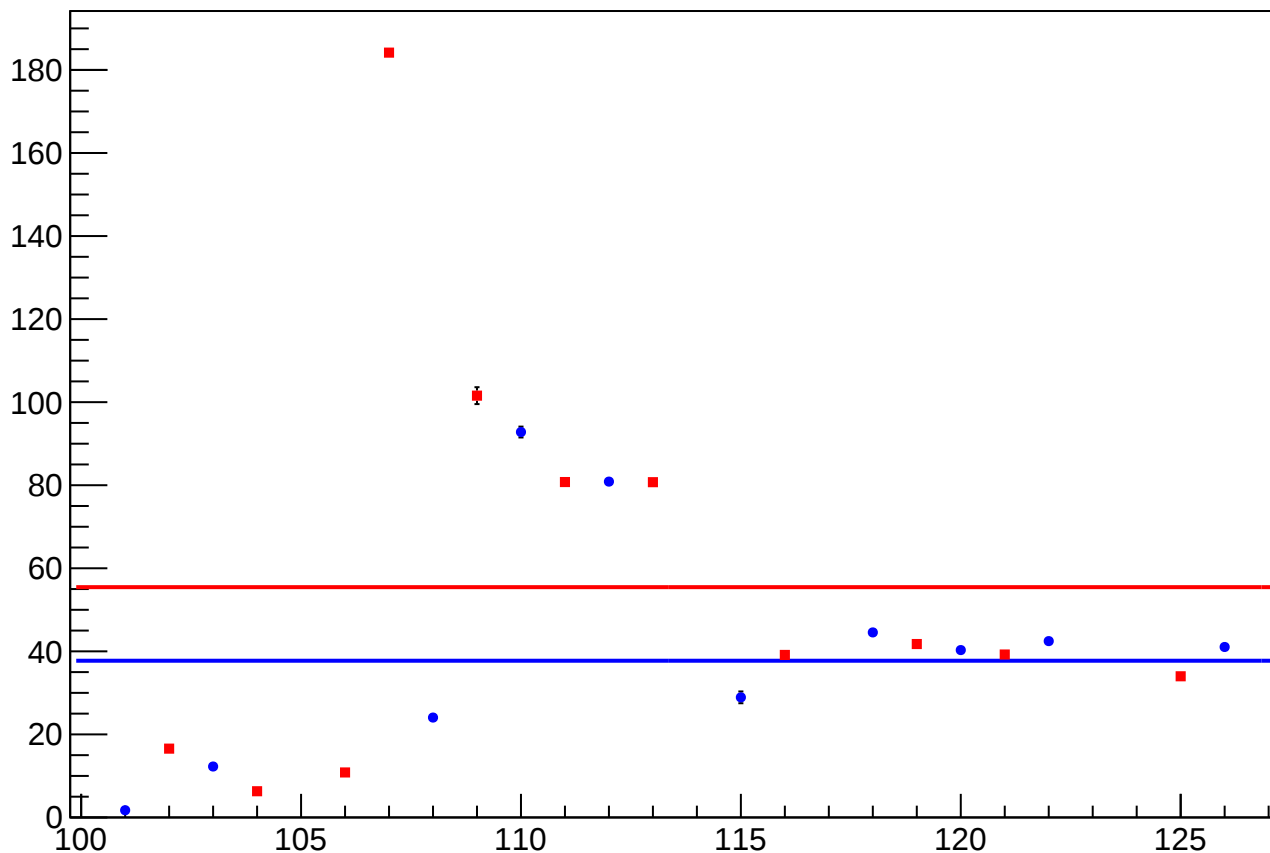
Right:  $-82.066 \pm 0.075$   $\chi^2/\text{NDF}: 52720.5/20$

In:  $-83.812 \pm 0.097$   $\chi^2/\text{NDF}: 19279.6/9$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-82.066 \pm 0.075$   $\chi^2/\text{NDF}: 52720.5/20$

# dit\_usl\_4eX\_slope vs Slug, Sign Corrected



Right In: 37.739+/-0.074  $\chi^2/\text{NDF}$ : 36833.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 55.455+/-0.136  $\chi^2/\text{NDF}$ : 63742.9/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

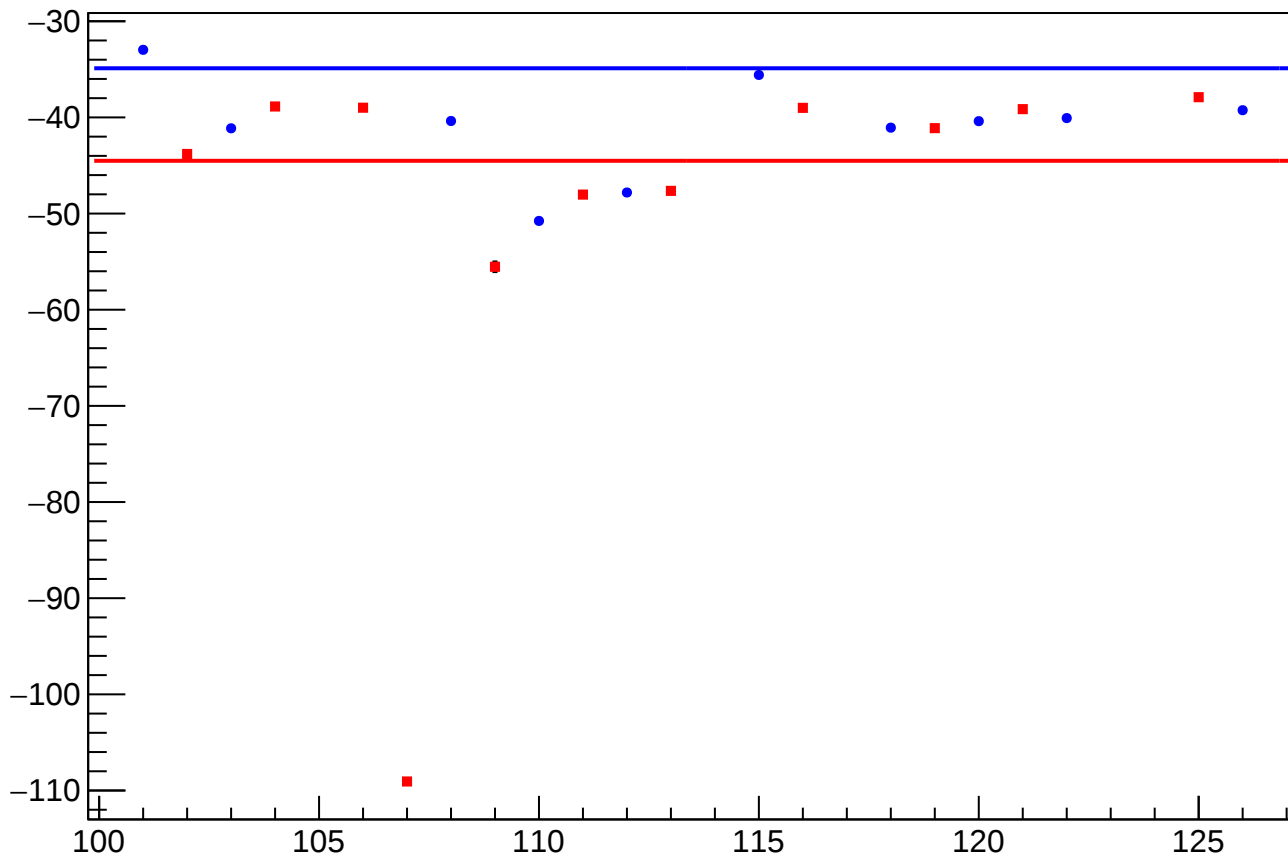
Right: 41.786+/-0.065  $\chi^2/\text{NDF}$ : 113736.9/20

In: 37.739+/-0.074  $\chi^2/\text{NDF}$ : 36833.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 41.786+/-0.065  $\chi^2/\text{NDF}$ : 113736.9/20

# dit\_usl\_11X12X\_slope vs Slug, Sign Corrected



Right In: -34.890+/-0.014  $\chi^2/\text{NDF}$ : 77308.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -44.512+/-0.027  $\chi^2/\text{NDF}$ : 247910.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

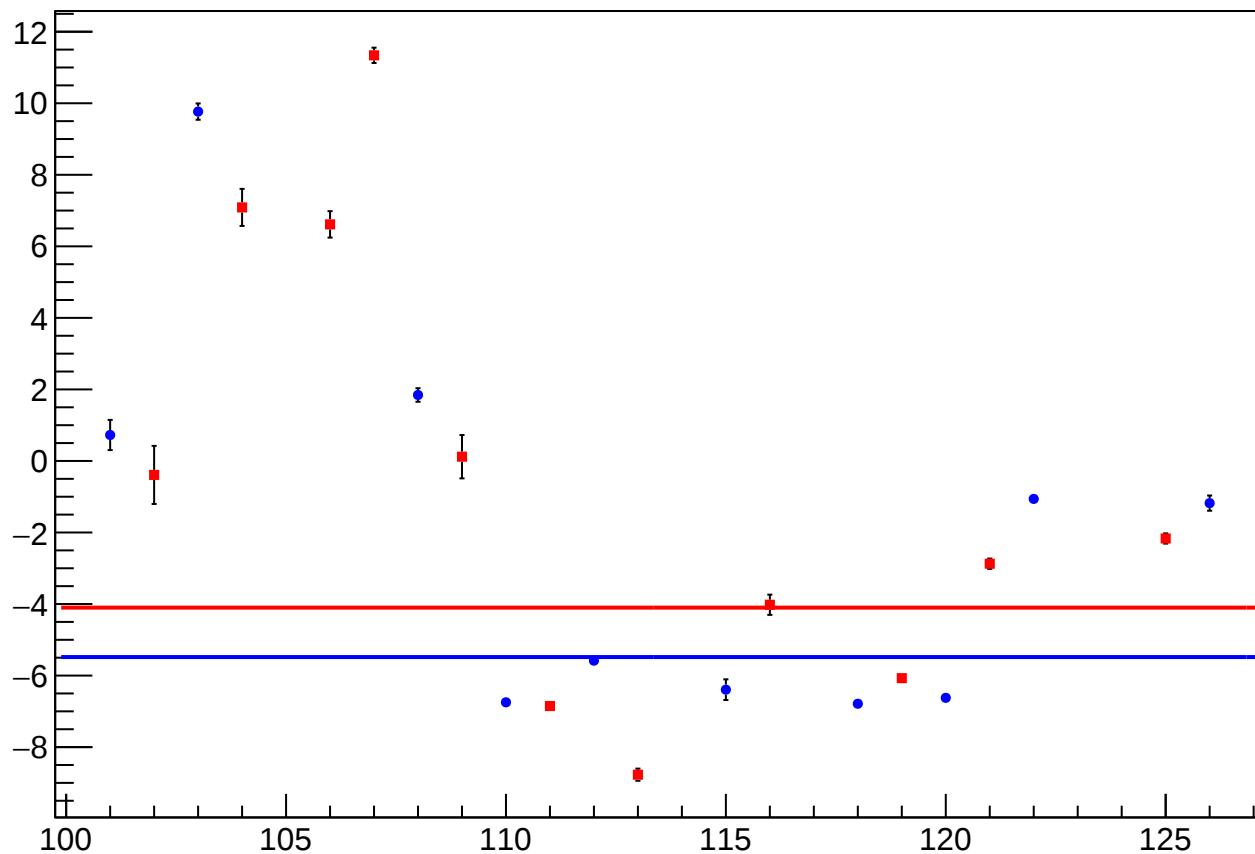
Right: -36.879+/-0.012  $\chi^2/\text{NDF}$ : 426604.7/20

In: -34.890+/-0.014  $\chi^2/\text{NDF}$ : 77308.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -36.879+/-0.012  $\chi^2/\text{NDF}$ : 426604.7/20

# dit\_usl\_4aY\_slope vs Slug, Sign Corrected



Right In: -5.482+/-0.029  $\chi^2/\text{NDF}$ : 9381.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -4.100+/-0.050  $\chi^2/\text{NDF}$ : 8636.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

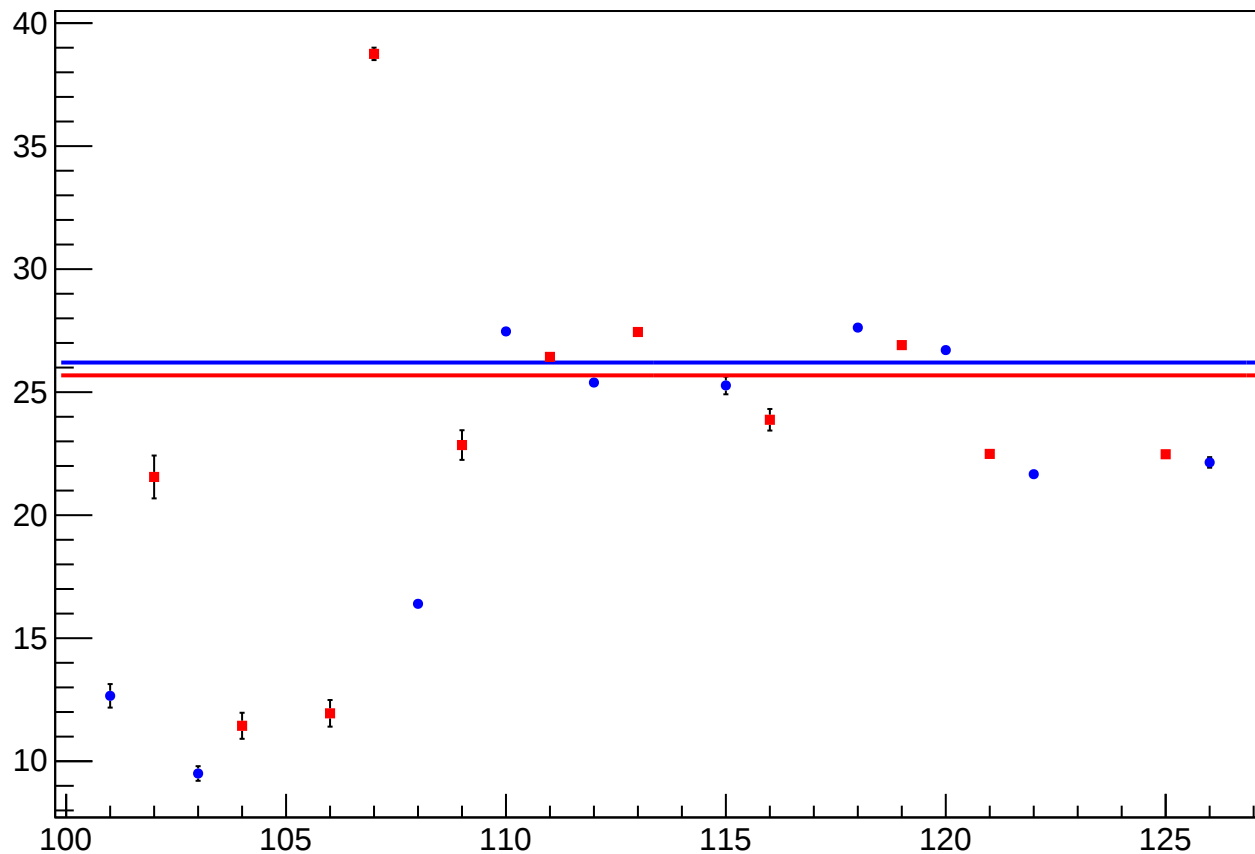
Right: -5.130+/-0.025  $\chi^2/\text{NDF}$ : 18577.8/20

In: -5.482+/-0.029  $\chi^2/\text{NDF}$ :9381.2/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -5.130+/-0.025  $\chi^2/\text{NDF}$ : 18577.8/20

# dit\_usl\_4eY\_slope vs Slug, Sign Corrected



Right In: 26.204 $\pm$ 0.033  $\chi^2$ /NDF: 9358.6/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 25.682 $\pm$ 0.038  $\chi^2$ /NDF: 6885.4/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

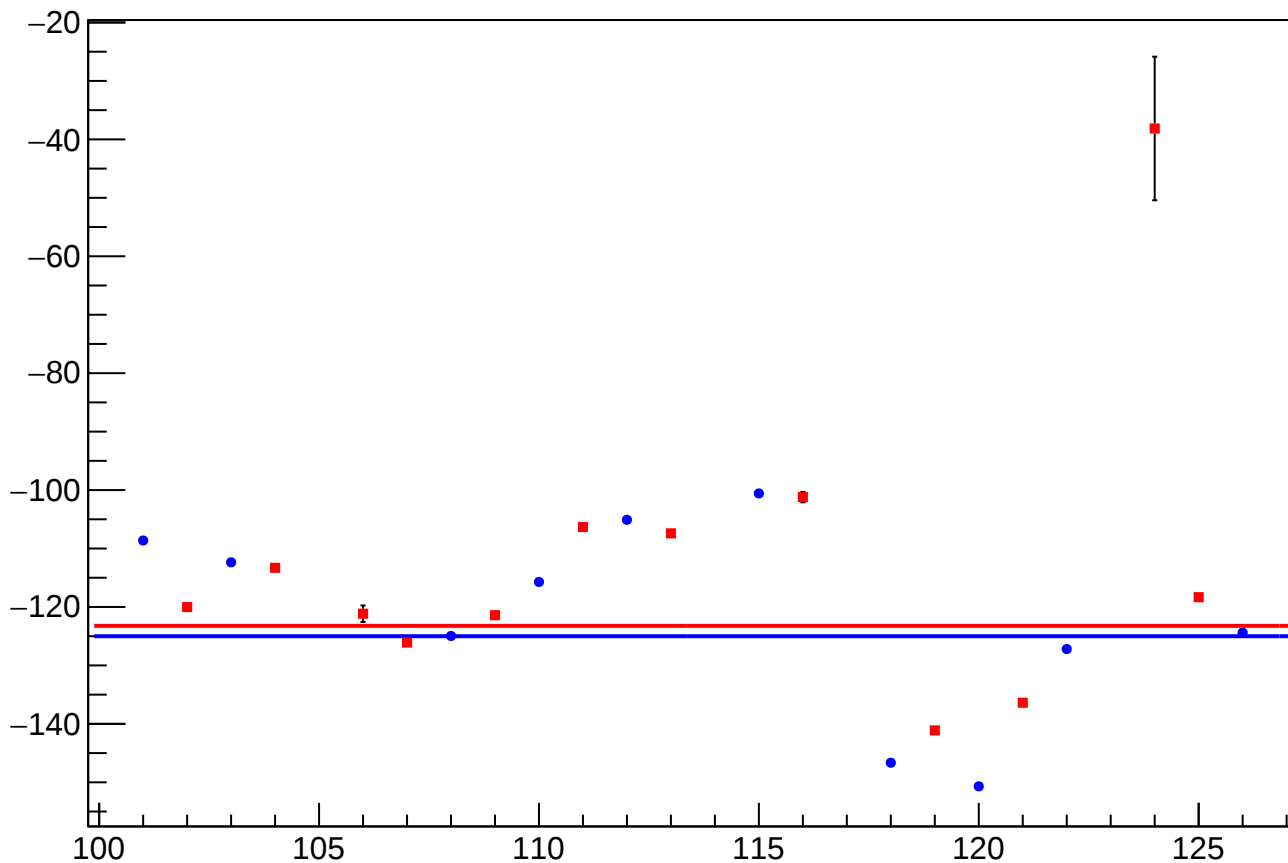
Right: 25.979 $\pm$ 0.025  $\chi^2$ /NDF: 16350.5/20

In: 26.204 $\pm$ 0.033  $\chi^2$ /NDF:9358.6/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 25.979 $\pm$ 0.025  $\chi^2$ /NDF: 16350.5/20

# dit\_usr\_4aX\_slope vs Slug, Sign Corrected



Right In: -125.003+/-0.109  $\chi^2/\text{NDF}$ : 18906.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -123.228+/-0.102  $\chi^2/\text{NDF}$ : 18865.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

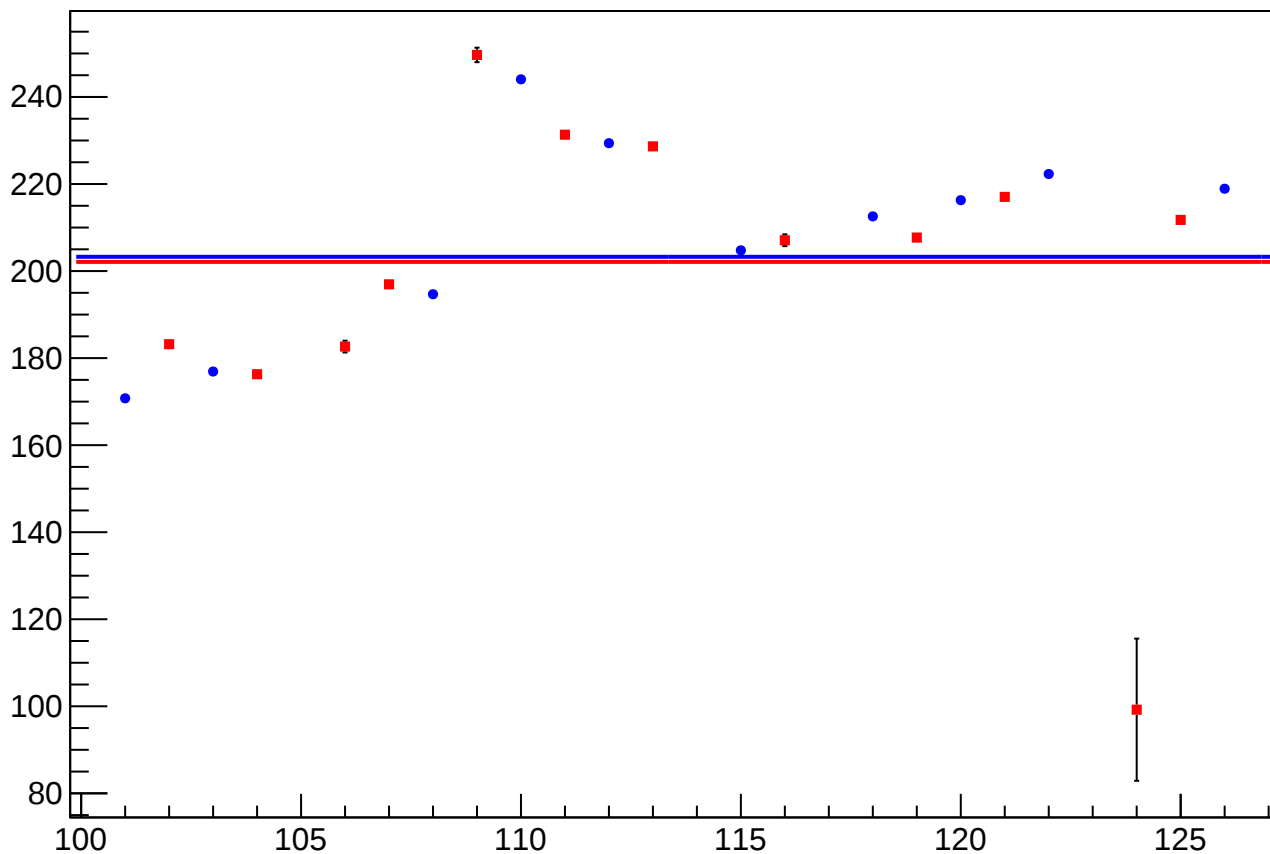
Right: -124.058+/-0.074  $\chi^2/\text{NDF}$ : 37914.1/21

In: -125.003+/-0.109  $\chi^2/\text{NDF}$ : 18906.8/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -124.058+/-0.074  $\chi^2/\text{NDF}$ : 37914.1/21

# dit\_usr\_4eX\_slope vs Slug, Sign Corrected



Right In: 203.279+/-0.106  $\chi^2/\text{NDF}$ : 29072.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 202.111+/-0.094  $\chi^2/\text{NDF}$ : 36041.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

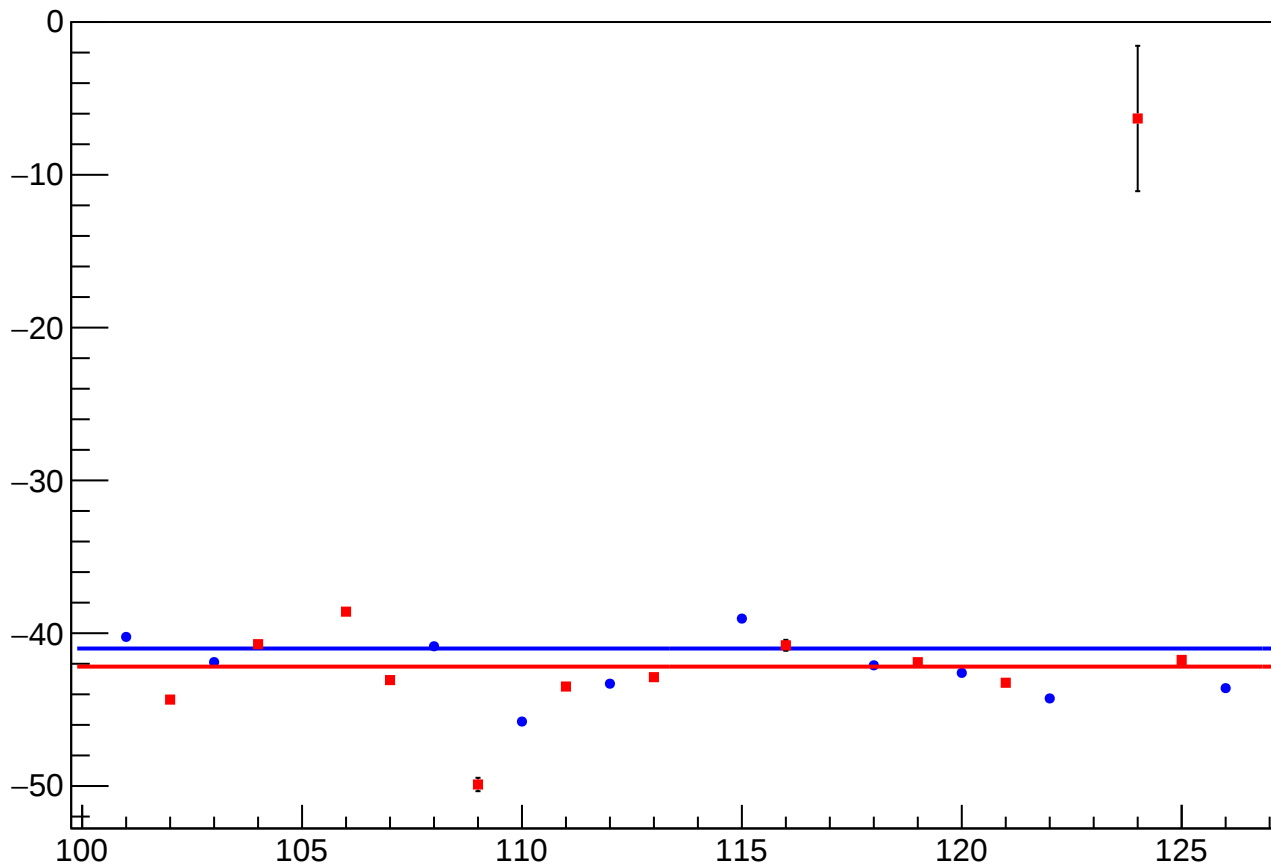
Right: 202.628+/-0.070  $\chi^2/\text{NDF}$ : 65182.0/21

In: 203.279+/-0.106  $\chi^2/\text{NDF}$ : 29072.6/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 202.628+/-0.070  $\chi^2/\text{NDF}$ : 65182.0/21

# dit\_usr\_11X12X\_slope vs Slug, Sign Corrected



Right In: -41.002 $\pm$ 0.018  $\chi^2$ /NDF: 5522.1/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -42.186 $\pm$ 0.025  $\chi^2$ /NDF: 2354.6/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

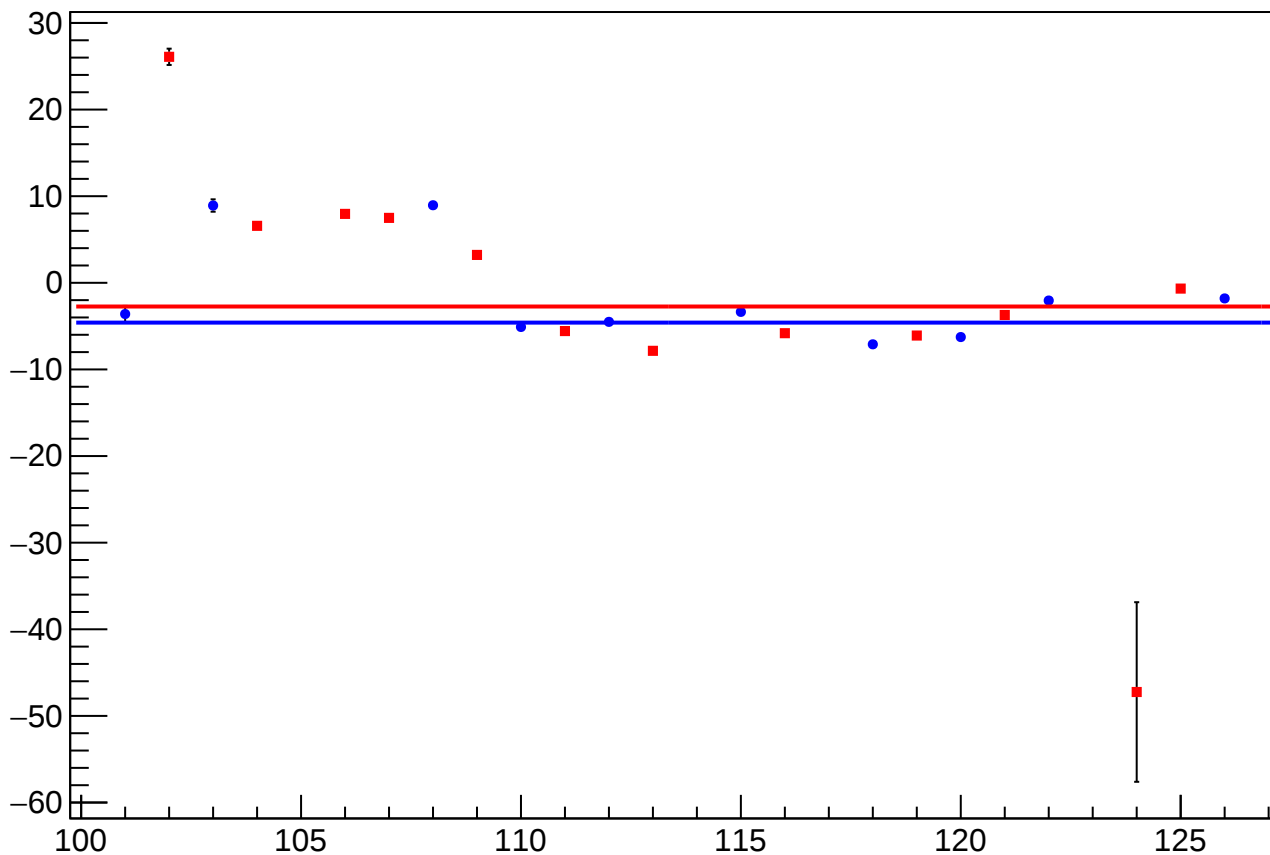
Right: -41.410 $\pm$ 0.015  $\chi^2$ /NDF: 9361.0/21

In: -41.002 $\pm$ 0.018  $\chi^2$ /NDF: 5522.1/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -41.410 $\pm$ 0.015  $\chi^2$ /NDF: 9361.0/21

# dit\_usr\_4aY\_slope vs Slug, Sign Corrected



Right In: -4.595+/-0.051  $\chi^2/\text{NDF}$ : 4844.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -2.736+/-0.037  $\chi^2/\text{NDF}$ : 23384.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

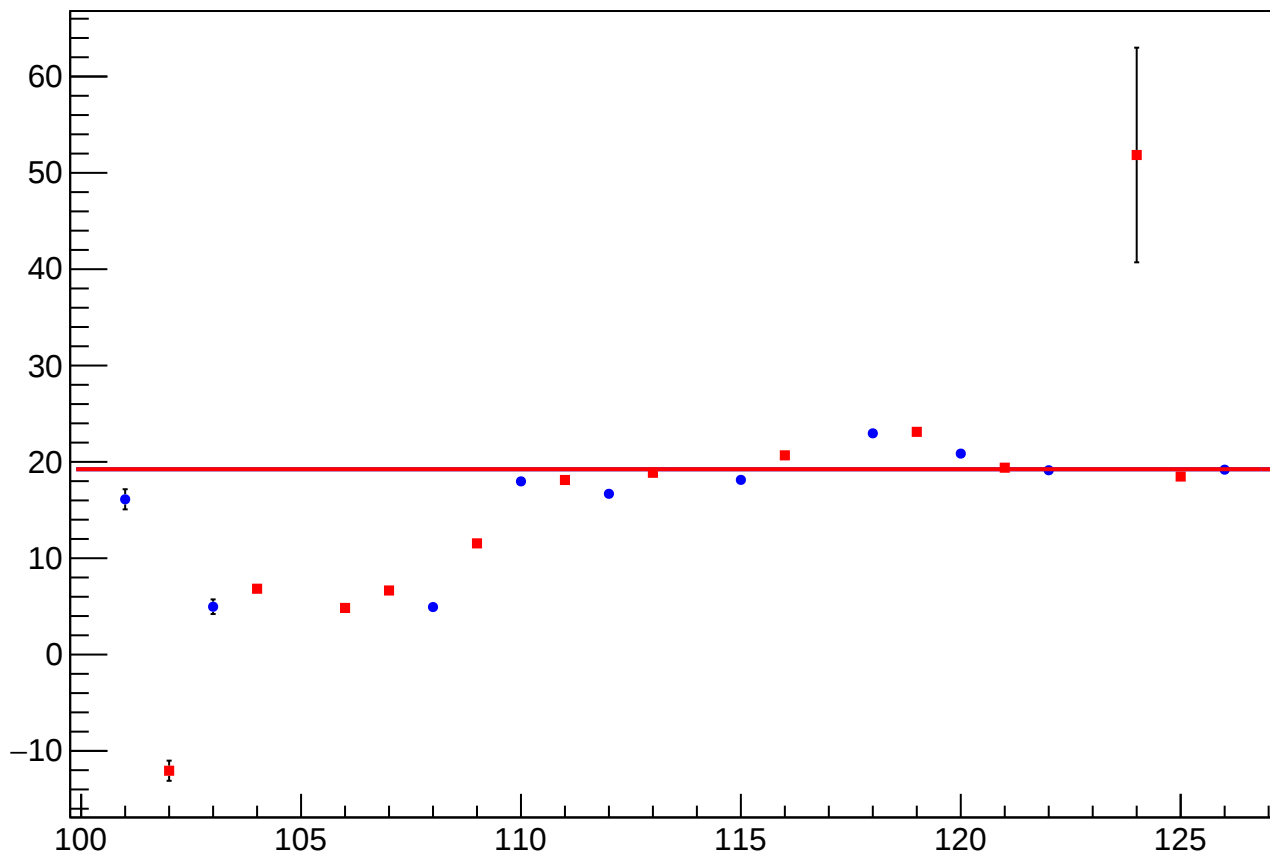
Right: -3.373+/-0.030  $\chi^2/\text{NDF}$ : 29090.6/21

In: -4.595+/-0.051  $\chi^2/\text{NDF}$ :4844.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -3.373+/-0.030  $\chi^2/\text{NDF}$ : 29090.6/21

# dit\_usr\_4eY\_slope vs Slug, Sign Corrected



Right In: 19.230+/-0.055  $\chi^2/\text{NDF}$ : 5919.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.238+/-0.033  $\chi^2/\text{NDF}$ : 25078.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

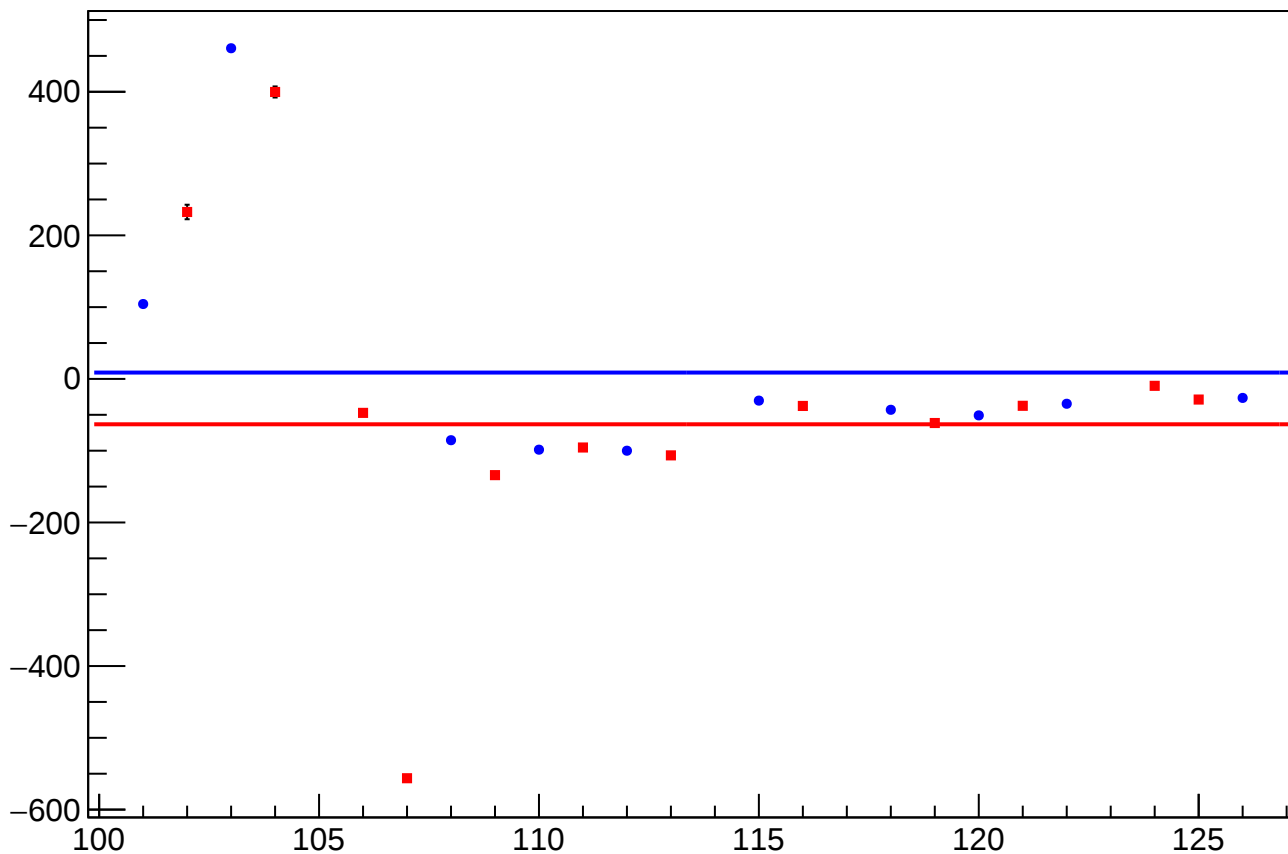
Right: 19.236+/-0.028  $\chi^2/\text{NDF}$ : 30998.4/21

In: 19.230+/-0.055  $\chi^2/\text{NDF}$ : 5919.5/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 19.236+/-0.028  $\chi^2/\text{NDF}$ : 30998.4/21

# dit\_atl1\_4aX\_slope vs Slug, Sign Corrected



Right In: 8.851+/-0.231  $\chi^2/\text{NDF}$ : 407630.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -63.207+/-0.264  $\chi^2/\text{NDF}$ : 39991.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

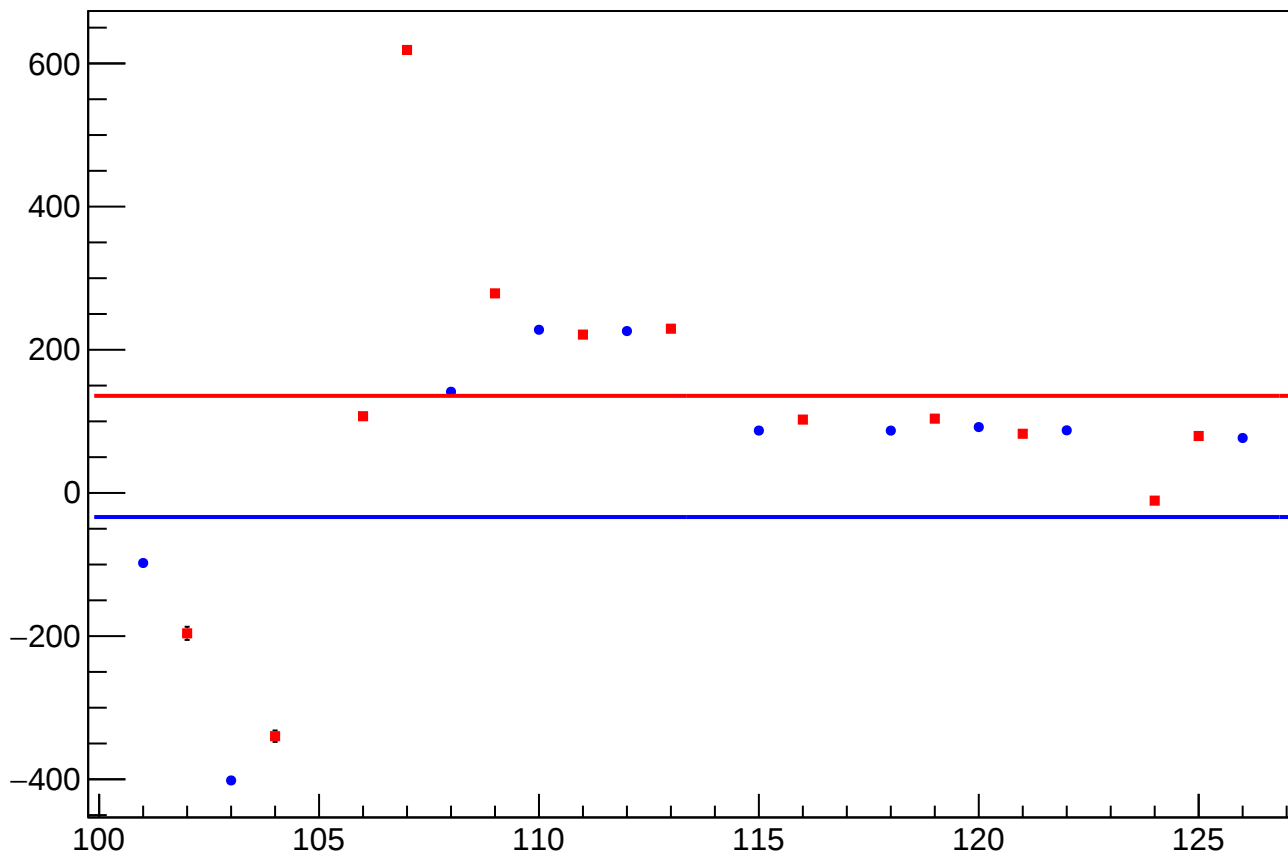
Right: -22.500+/-0.174  $\chi^2/\text{NDF}$ : 489828.1/21

In: 8.851+/-0.231  $\chi^2/\text{NDF}$ : 407630.7/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -22.500+/-0.174  $\chi^2/\text{NDF}$ : 489828.1/21

# dit\_atl1\_4eX\_slope vs Slug, Sign Corrected



Right In: -33.640+/-0.197  $\chi^2/\text{NDF}$ : 921683.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 135.663+/-0.334  $\chi^2/\text{NDF}$ : 71260.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

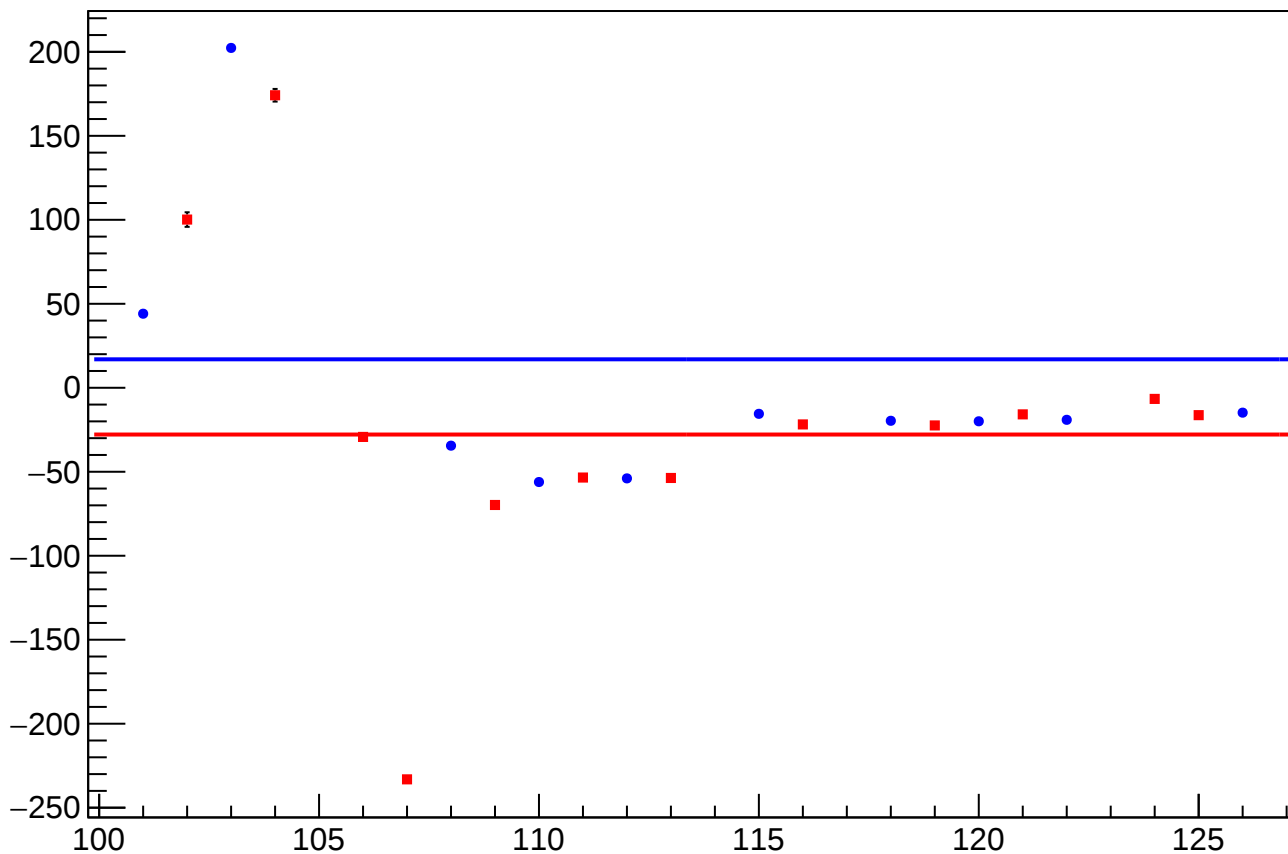
Right: 10.221+/-0.170  $\chi^2/\text{NDF}$ : 1183843.7/21

In: -33.640+/-0.197  $\chi^2/\text{NDF}$ : 921683.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.221+/-0.170  $\chi^2/\text{NDF}$ : 1183843.7/21

# dit\_atl1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 16.944+/-0.033  $\chi^2/\text{NDF}$ : 2986769.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -27.836+/-0.055  $\chi^2/\text{NDF}$ : 161535.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

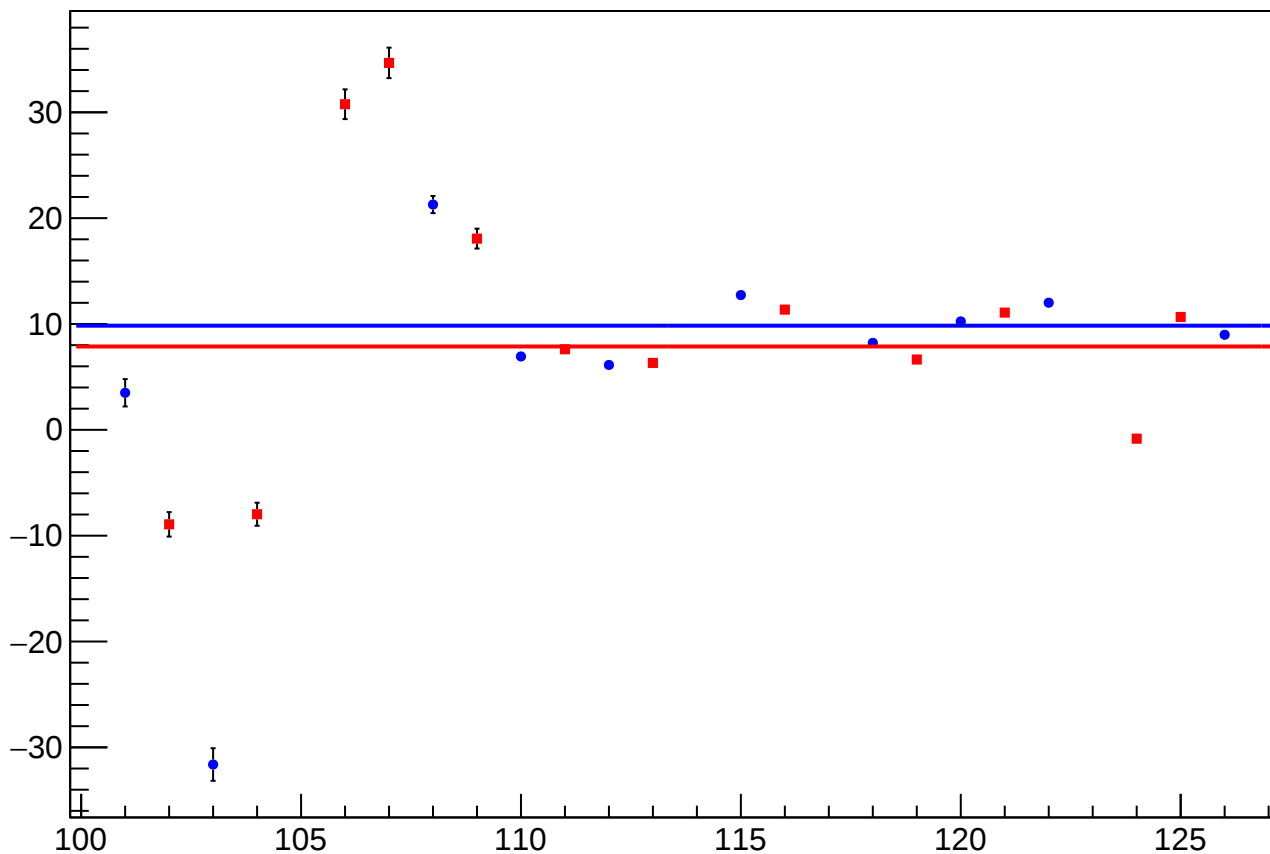
Right: 4.847+/-0.029  $\chi^2/\text{NDF}$ : 3633110.4/21

In: 16.944+/-0.033  $\chi^2/\text{NDF}$ : 2986769.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.847+/-0.029  $\chi^2/\text{NDF}$ : 3633110.4/21

# dit\_atl1\_4aY\_slope vs Slug, Sign Corrected



Right In: 9.841+/-0.073  $\chi^2/\text{NDF}$ : 1554.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.875+/-0.066  $\chi^2/\text{NDF}$ : 2593.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

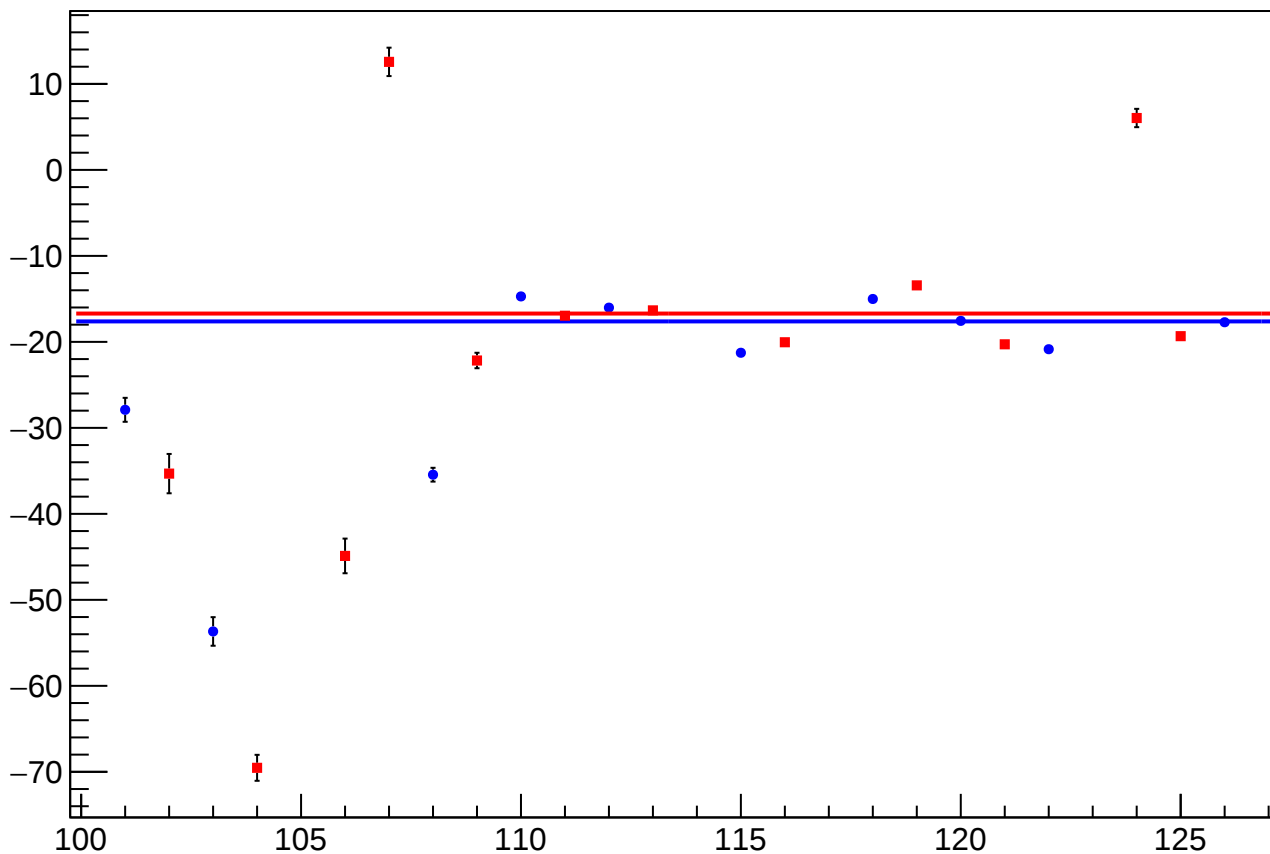
Right: 8.763+/-0.049  $\chi^2/\text{NDF}$ : 4548.1/21

In: 9.841+/-0.073  $\chi^2/\text{NDF}$ : 1554.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.763+/-0.049  $\chi^2/\text{NDF}$ : 4548.1/21

# dit\_atl1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-17.620 \pm 0.069$   $\chi^2/\text{NDF}$ : 2154.2/9

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-16.706 \pm 0.075$   $\chi^2/\text{NDF}$ : 3572.0/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

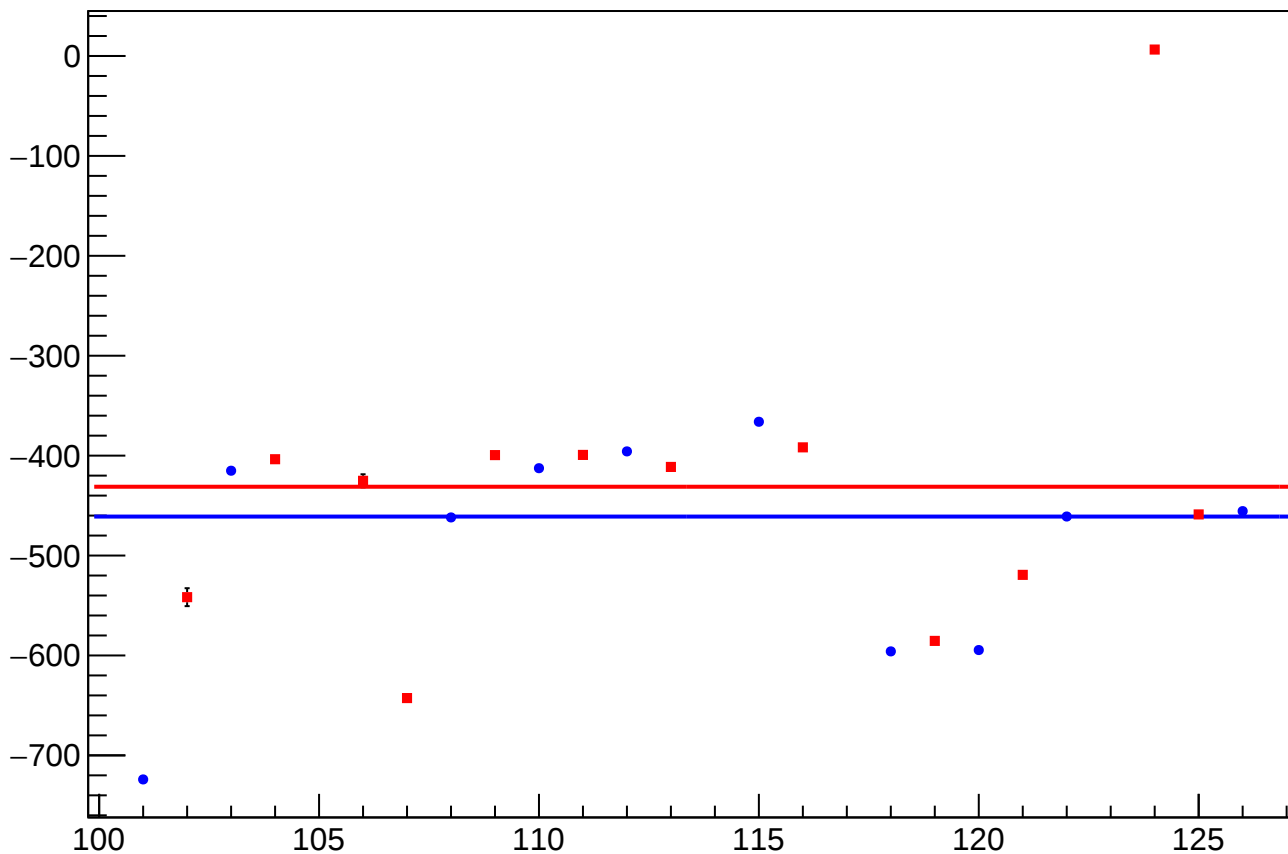
Right:  $-17.202 \pm 0.051$   $\chi^2/\text{NDF}$ : 5806.5/21

In:  $-17.620 \pm 0.069$   $\chi^2/\text{NDF}$ : 2154.2/9

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-17.202 \pm 0.051$   $\chi^2/\text{NDF}$ : 5806.5/21

# dit\_atl2\_4aX\_slope vs Slug, Sign Corrected



Right In: -460.984 $\pm$ 0.266  $\chi^2$ /NDF: 97173.9/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -431.129 $\pm$ 0.212  $\chi^2$ /NDF: 161235.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

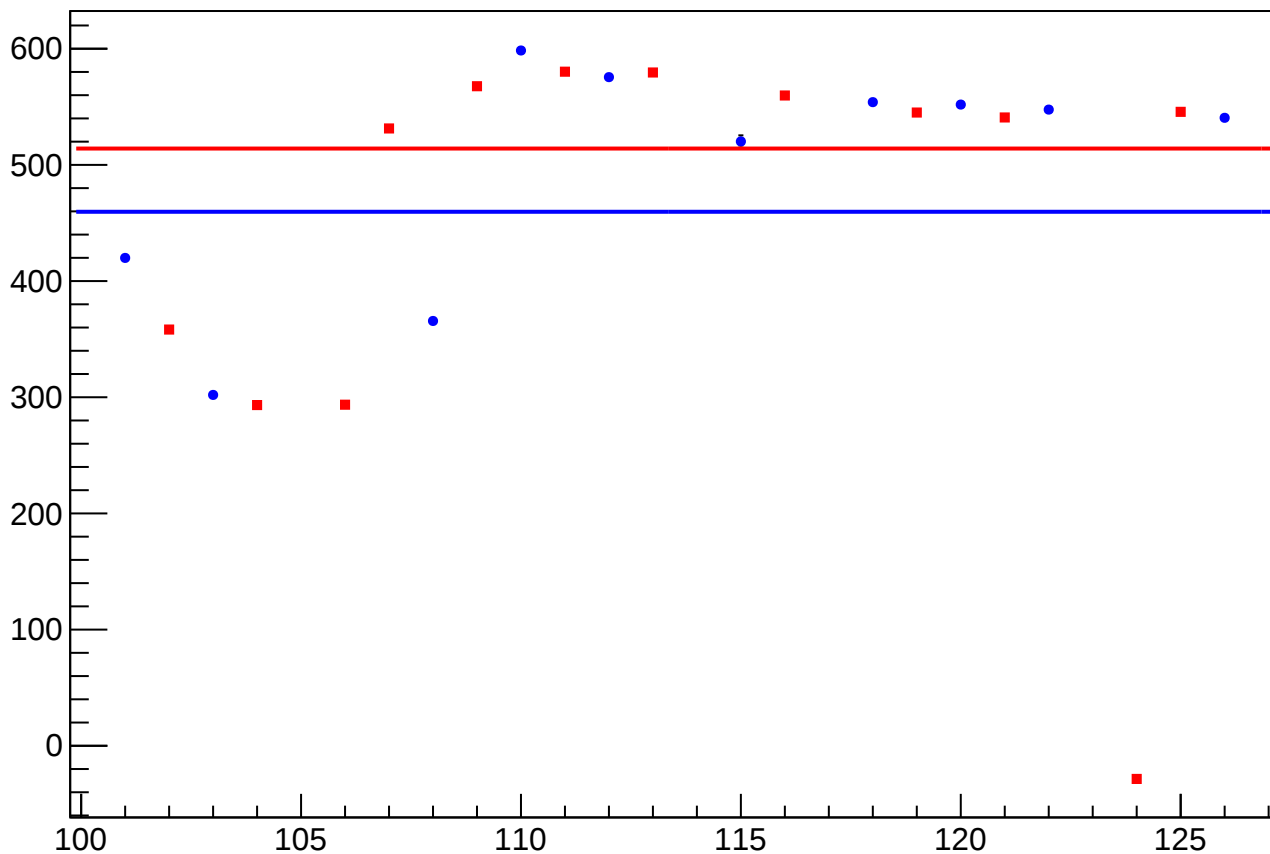
Right: -442.719 $\pm$ 0.166  $\chi^2$ /NDF: 266094.2/21

In: -460.984 $\pm$ 0.266  $\chi^2$ /NDF: 97173.9/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -442.719 $\pm$ 0.166  $\chi^2$ /NDF: 266094.2/21

# dit\_atl2\_4eX\_slope vs Slug, Sign Corrected



Right In: 459.652 $\pm$ 0.265  $\chi^2$ /NDF: 153335.9/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 514.071 $\pm$ 0.246  $\chi^2$ /NDF: 263272.8/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

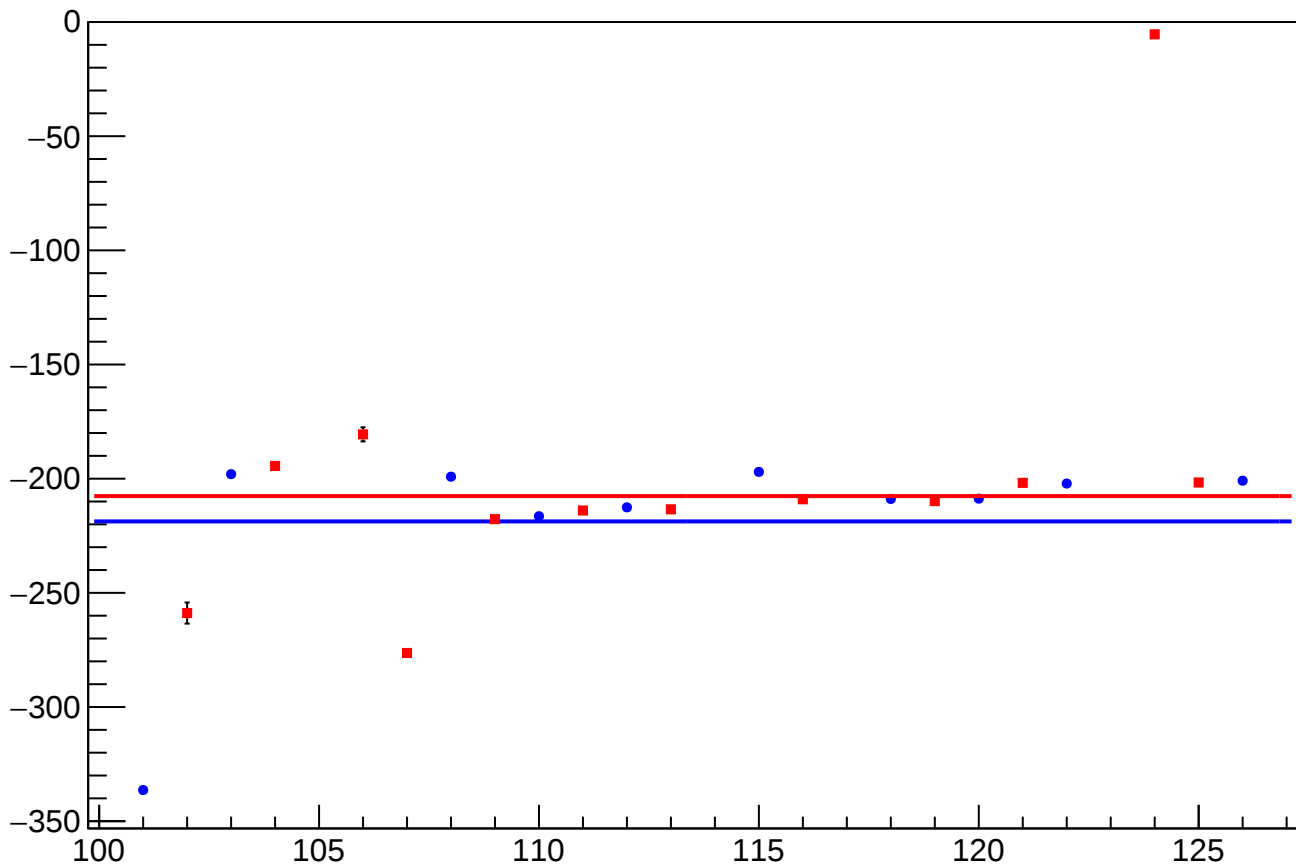
Right: 488.904 $\pm$ 0.180  $\chi^2$ /NDF: 439250.3/21

In: 459.652 $\pm$ 0.265  $\chi^2$ /NDF:153335.9/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 488.904 $\pm$ 0.180  $\chi^2$ /NDF: 439250.3/21

# dit\_atl2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -218.717+/-0.074  $\chi^2/\text{NDF}$ : 263358.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -207.633+/-0.054  $\chi^2/\text{NDF}$ : 283345.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

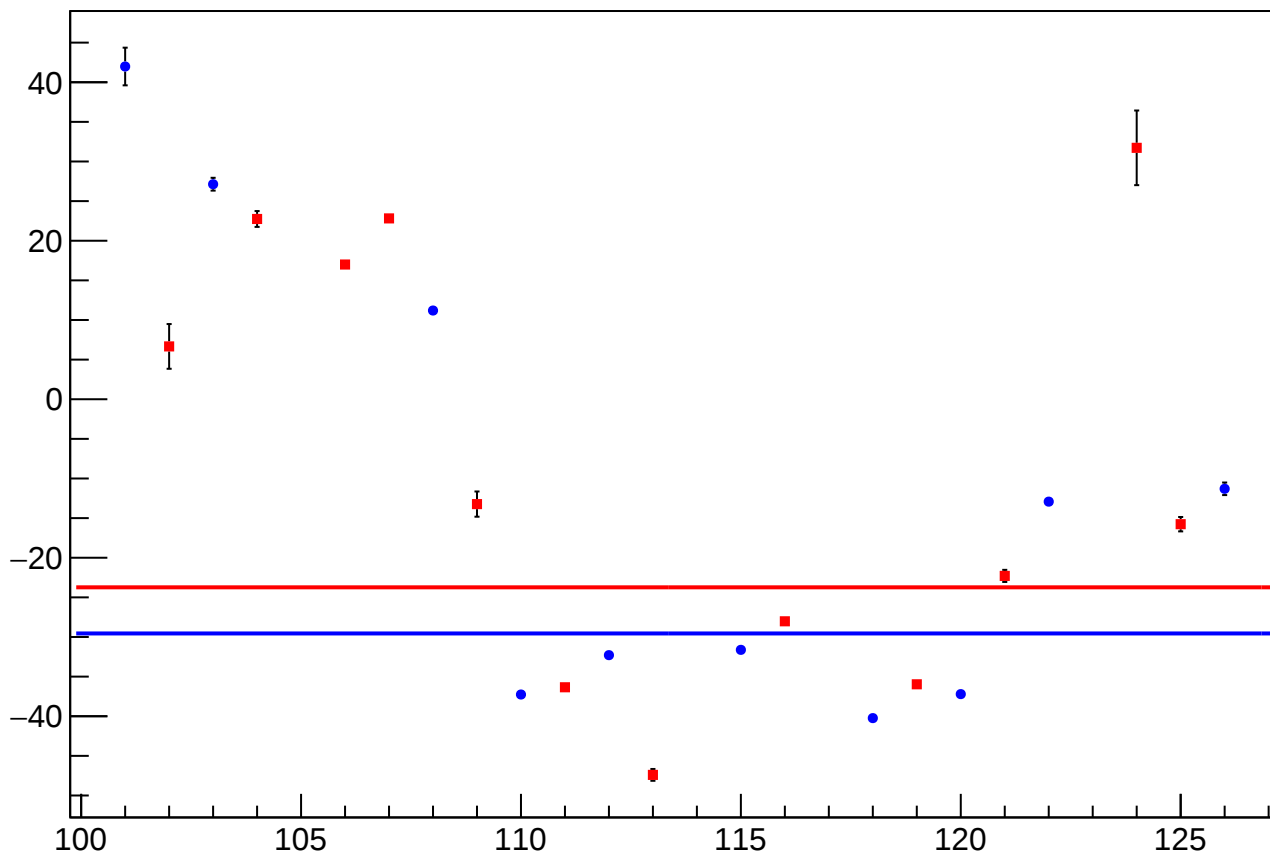
Right: -211.531+/-0.044  $\chi^2/\text{NDF}$ : 561386.5/21

In: -218.717+/-0.074  $\chi^2/\text{NDF}$ : 263358.2/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -211.531+/-0.044  $\chi^2/\text{NDF}$ : 561386.5/21

# dit\_atl2\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-29.554 \pm 0.091$   $\chi^2/\text{NDF}$ : 34817.5/9

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-23.733 \pm 0.164$   $\chi^2/\text{NDF}$ : 17776.3/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

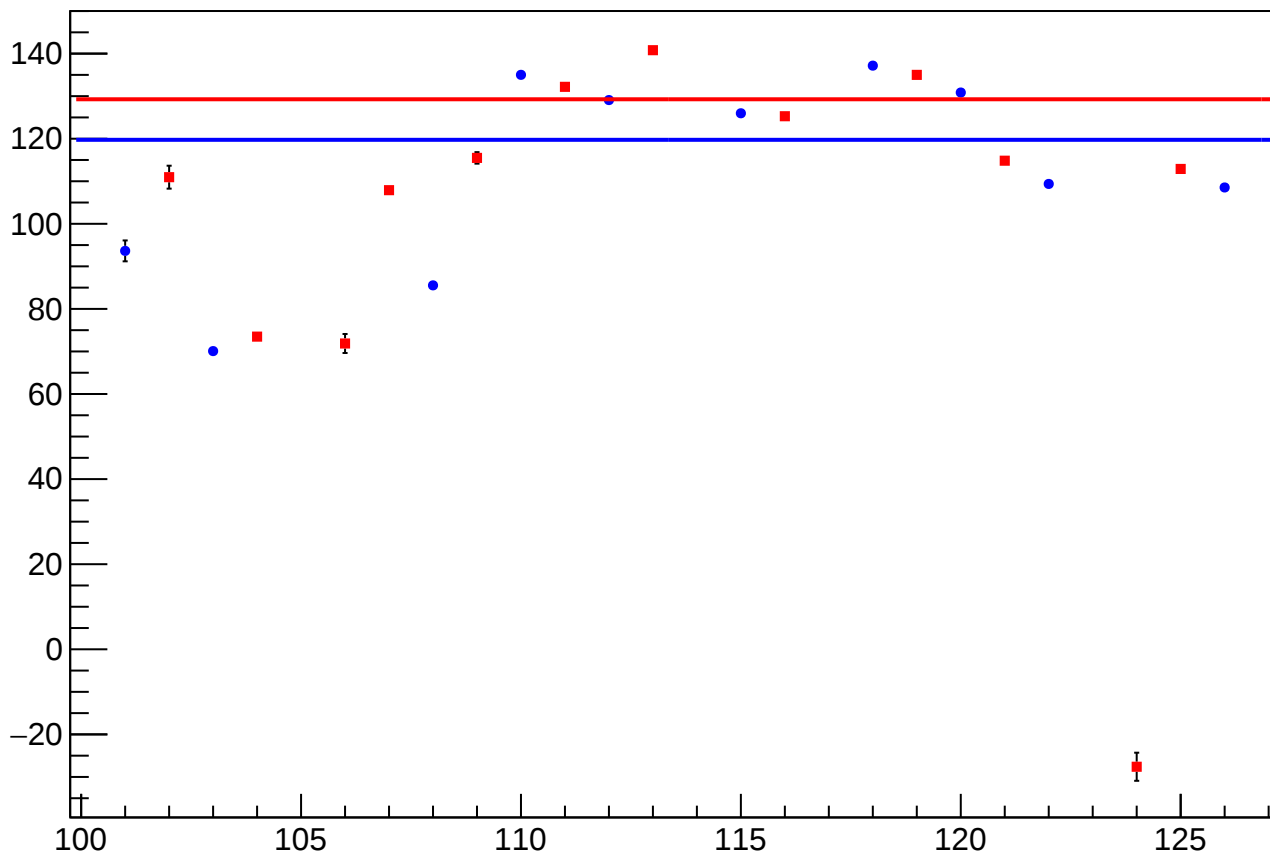
Right:  $-28.181 \pm 0.080$   $\chi^2/\text{NDF}$ : 53551.0/21

In:  $-29.554 \pm 0.091$   $\chi^2/\text{NDF}$ : 34817.5/9

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-28.181 \pm 0.080$   $\chi^2/\text{NDF}$ : 53551.0/21

# dit\_atl2\_4eY\_slope vs Slug, Sign Corrected



Right In: 119.739+/-0.111  $\chi^2/\text{NDF}$ : 37087.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 129.267+/-0.149  $\chi^2/\text{NDF}$ : 9226.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

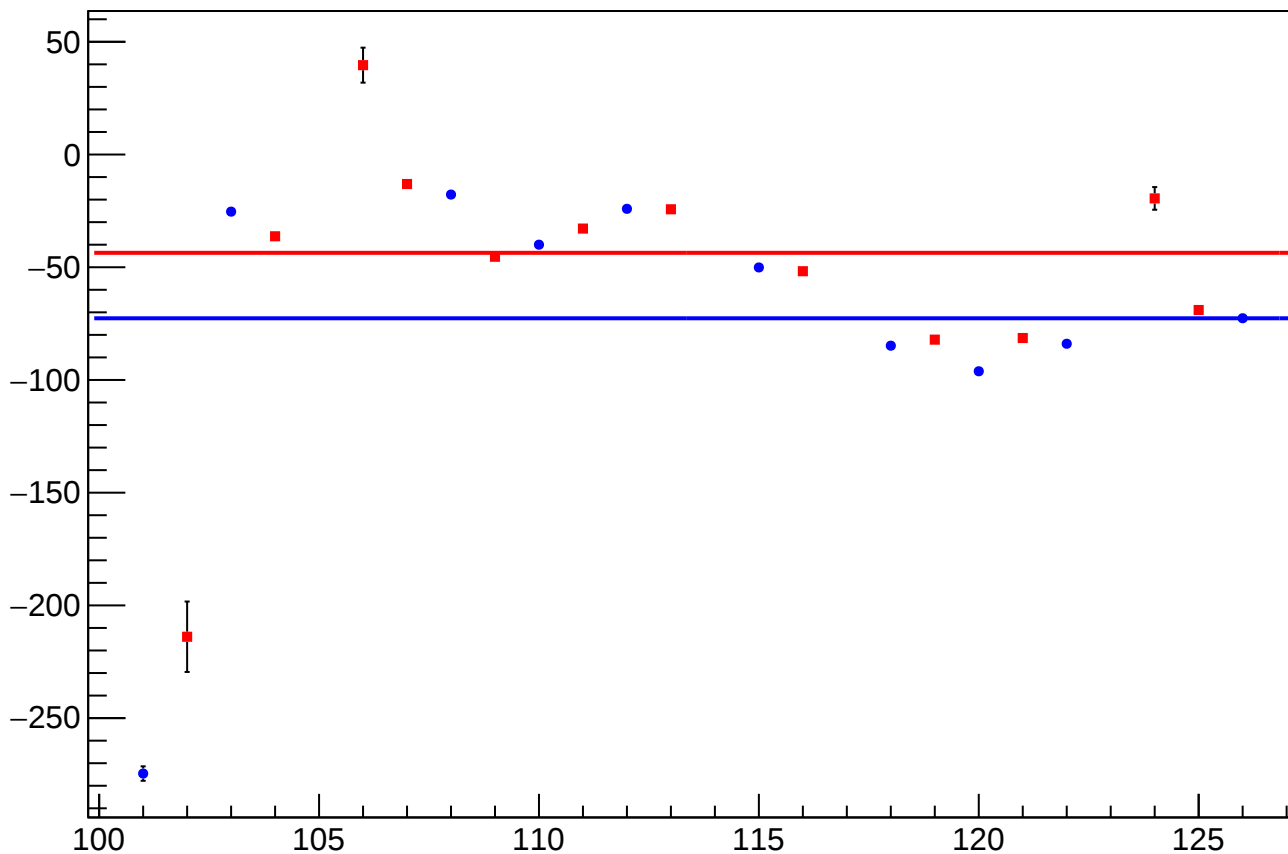
Right: 123.135+/-0.089  $\chi^2/\text{NDF}$ : 48937.8/21

In: 119.739+/-0.111  $\chi^2/\text{NDF}$ : 37087.3/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 123.135+/-0.089  $\chi^2/\text{NDF}$ : 48937.8/21

# dit\_atr1\_4aX\_slope vs Slug, Sign Corrected



Right In: -72.643+/-0.180  $\chi^2/\text{NDF}$ : 23780.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -43.597+/-0.220  $\chi^2/\text{NDF}$ : 11558.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

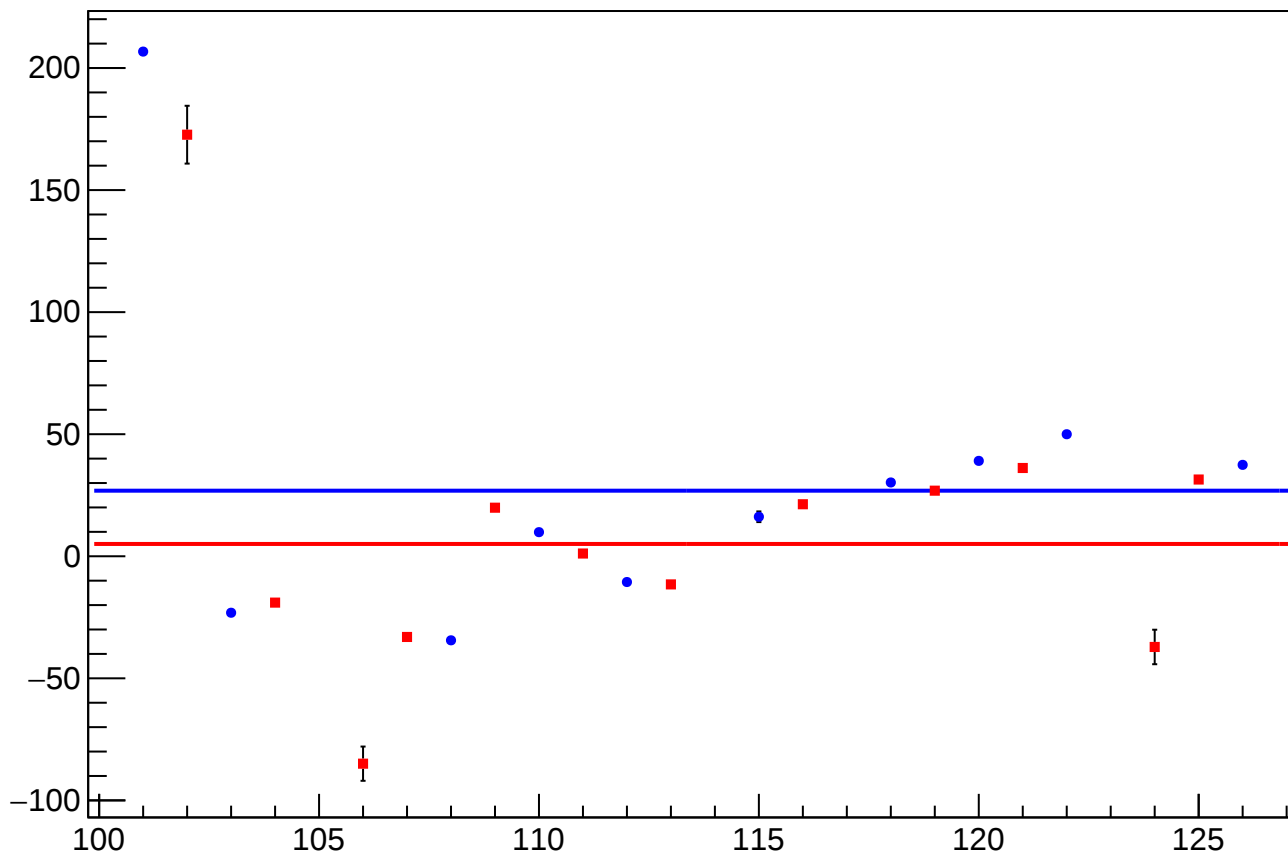
Right: -61.052+/-0.139  $\chi^2/\text{NDF}$ : 45769.2/21

In: -72.643+/-0.180  $\chi^2/\text{NDF}$ :23780.2/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -61.052+/-0.139  $\chi^2/\text{NDF}$ : 45769.2/21

# dit\_atr1\_4eX\_slope vs Slug, Sign Corrected



Right In: 26.862 $\pm$ 0.178  $\chi^2$ /NDF: 24071.5/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 5.041 $\pm$ 0.242  $\chi^2$ /NDF: 8392.5/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

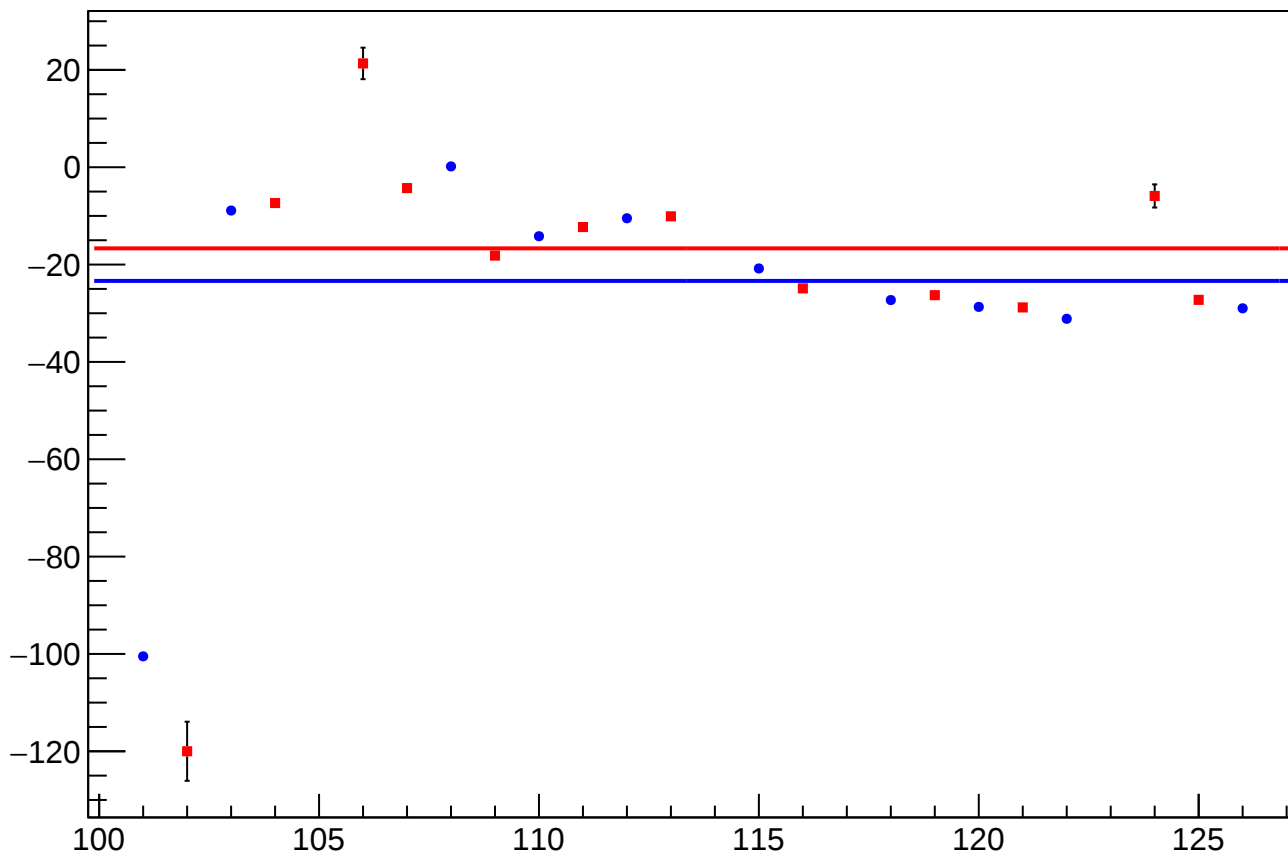
Right: 19.166 $\pm$ 0.144  $\chi^2$ /NDF: 37736.0/21

In: 26.862 $\pm$ 0.178  $\chi^2$ /NDF:24071.5/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 19.166 $\pm$ 0.144  $\chi^2$ /NDF: 37736.0/21

# dit\_atr1\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-23.356 \pm 0.055$   $\chi^2/\text{NDF}$ : 90730.6/9

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-16.668 \pm 0.044$   $\chi^2/\text{NDF}$ : 35886.9/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

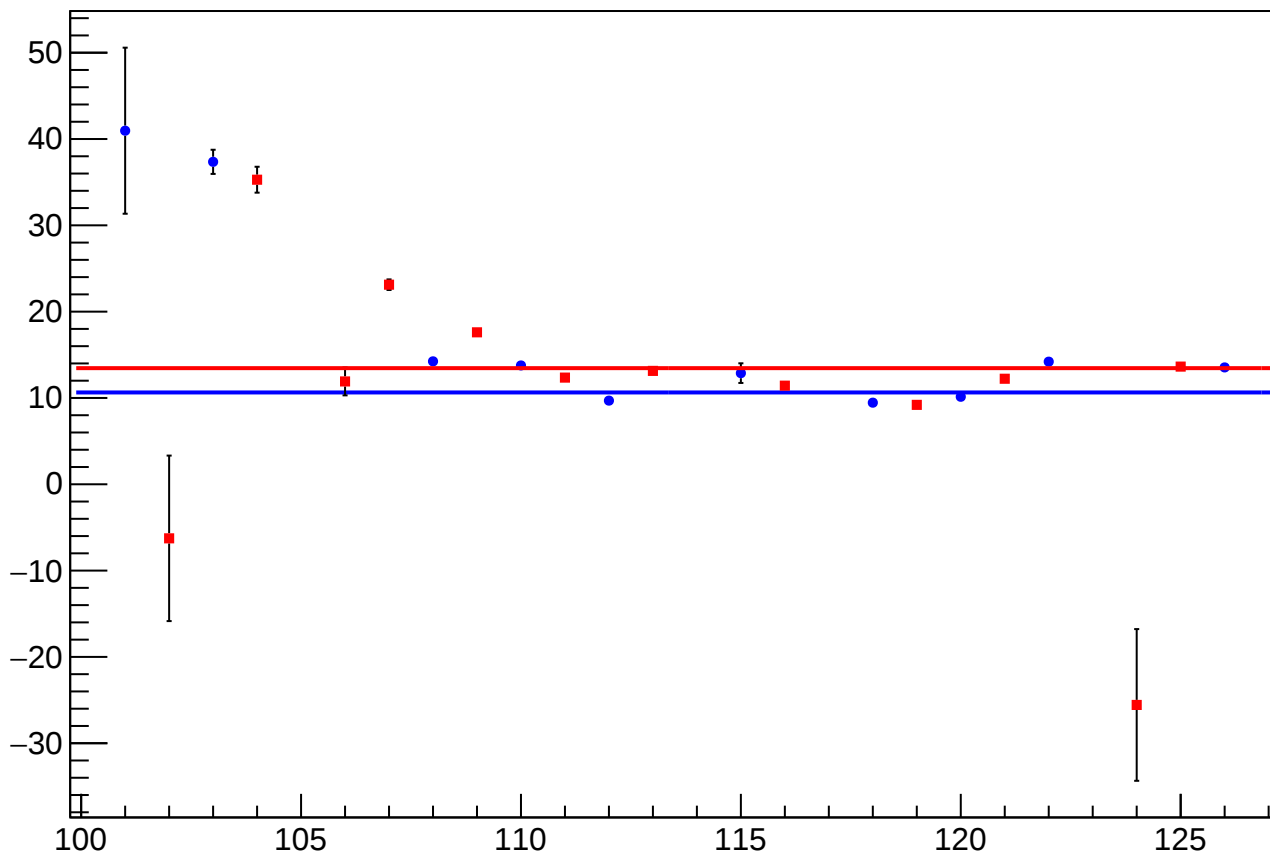
Right:  $-19.259 \pm 0.034$   $\chi^2/\text{NDF}$ : 135627.2/21

In:  $-23.356 \pm 0.055$   $\chi^2/\text{NDF}$ : 90730.6/9

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-19.259 \pm 0.034$   $\chi^2/\text{NDF}$ : 135627.2/21

# dit\_atr1\_4aY\_slope vs Slug, Sign Corrected



Right In: 10.638+/-0.052  $\chi^2/\text{NDF}$ : 1331.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.454+/-0.089  $\chi^2/\text{NDF}$ : 1162.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

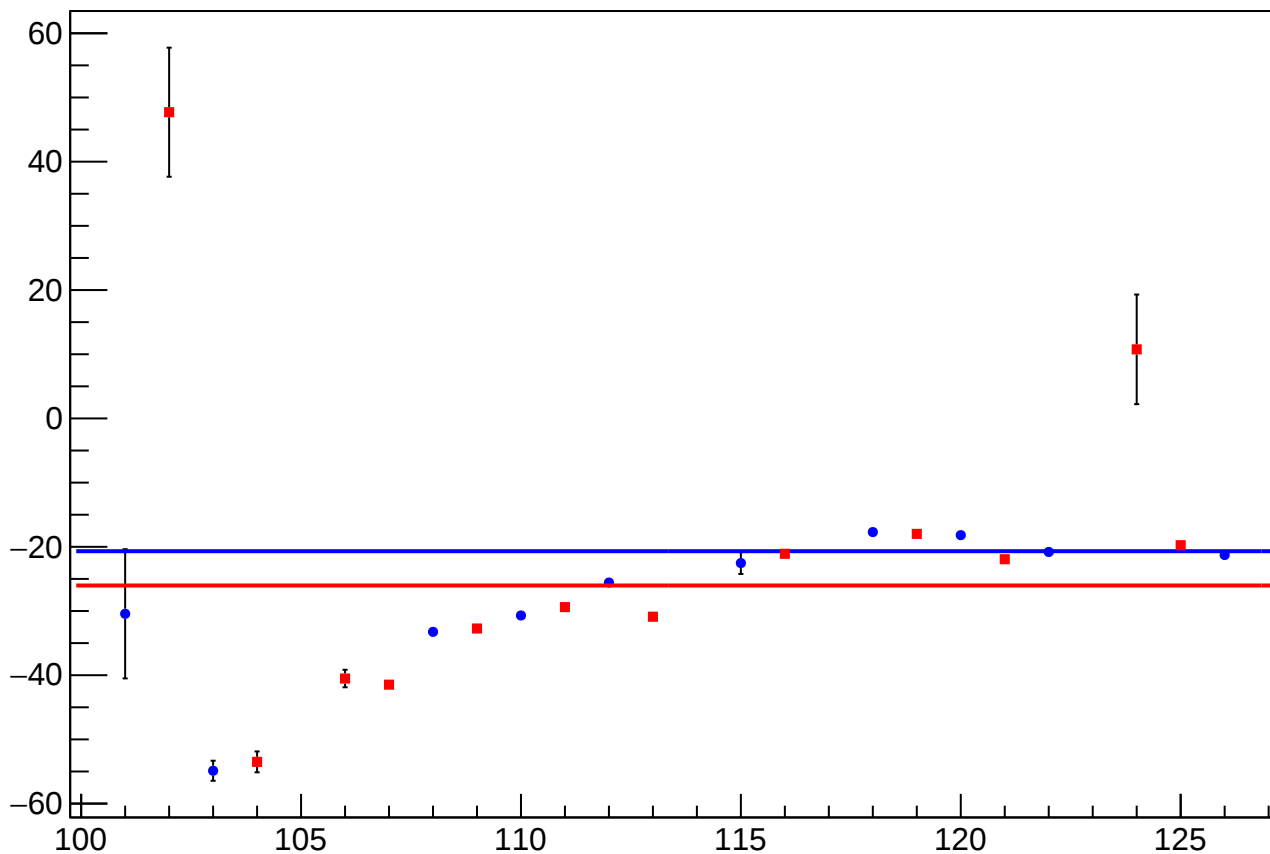
Right: 11.355+/-0.045  $\chi^2/\text{NDF}$ : 3238.7/21

In: 10.638+/-0.052  $\chi^2/\text{NDF}$ : 1331.3/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.355+/-0.045  $\chi^2/\text{NDF}$ : 3238.7/21

# dit\_atr1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-20.683 \pm 0.047$   $\chi^2/\text{NDF}$ : 6975.5/9

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-26.027 \pm 0.080$   $\chi^2/\text{NDF}$ : 5637.2/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

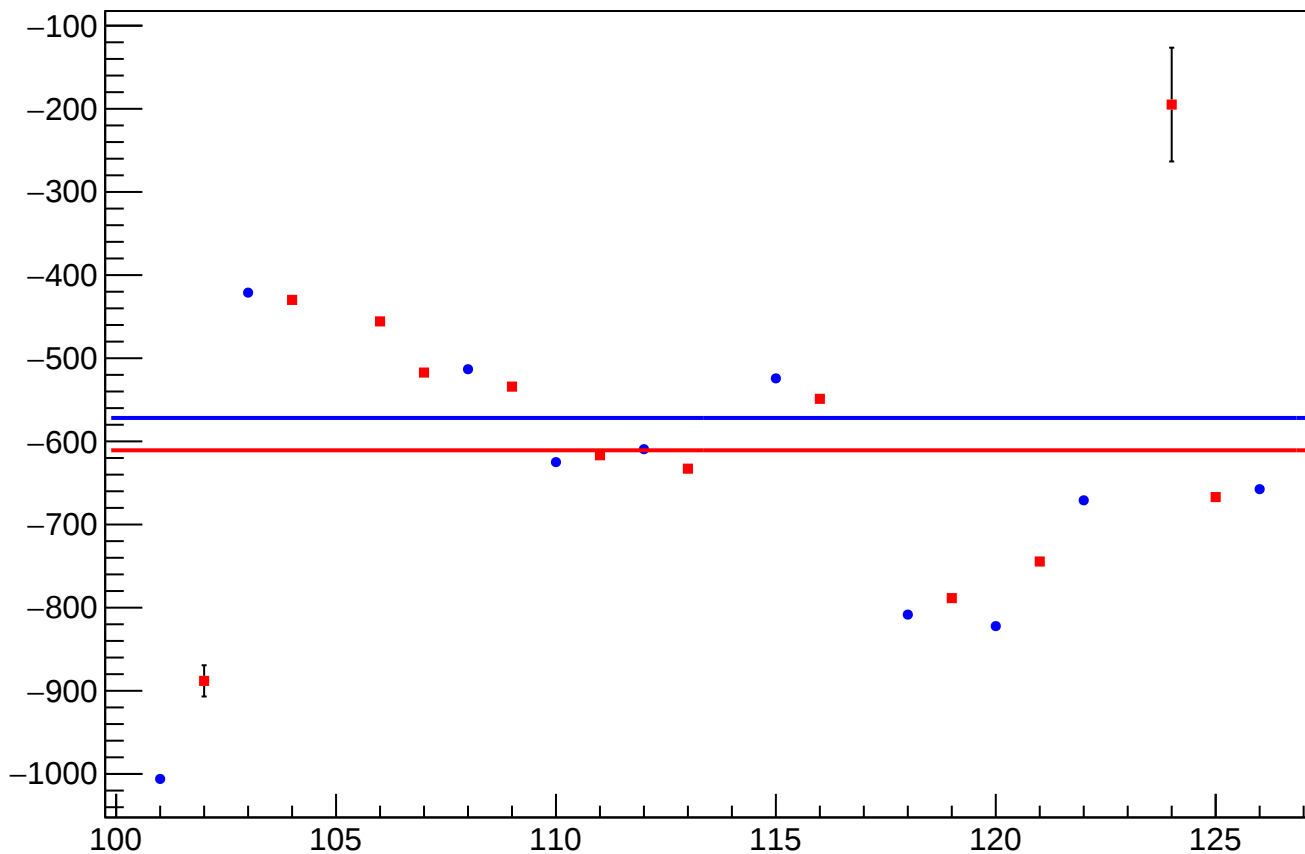
Right:  $-22.079 \pm 0.041$   $\chi^2/\text{NDF}$ : 15938.2/21

In:  $-20.683 \pm 0.047$   $\chi^2/\text{NDF}$ : 6975.5/9

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-22.079 \pm 0.041$   $\chi^2/\text{NDF}$ : 15938.2/21

# dit\_atr2\_4aX\_slope vs Slug, Sign Corrected



Right In: -571.817+/-0.265  $\chi^2/\text{NDF}$ : 143137.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -610.742+/-0.296  $\chi^2/\text{NDF}$ : 83099.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

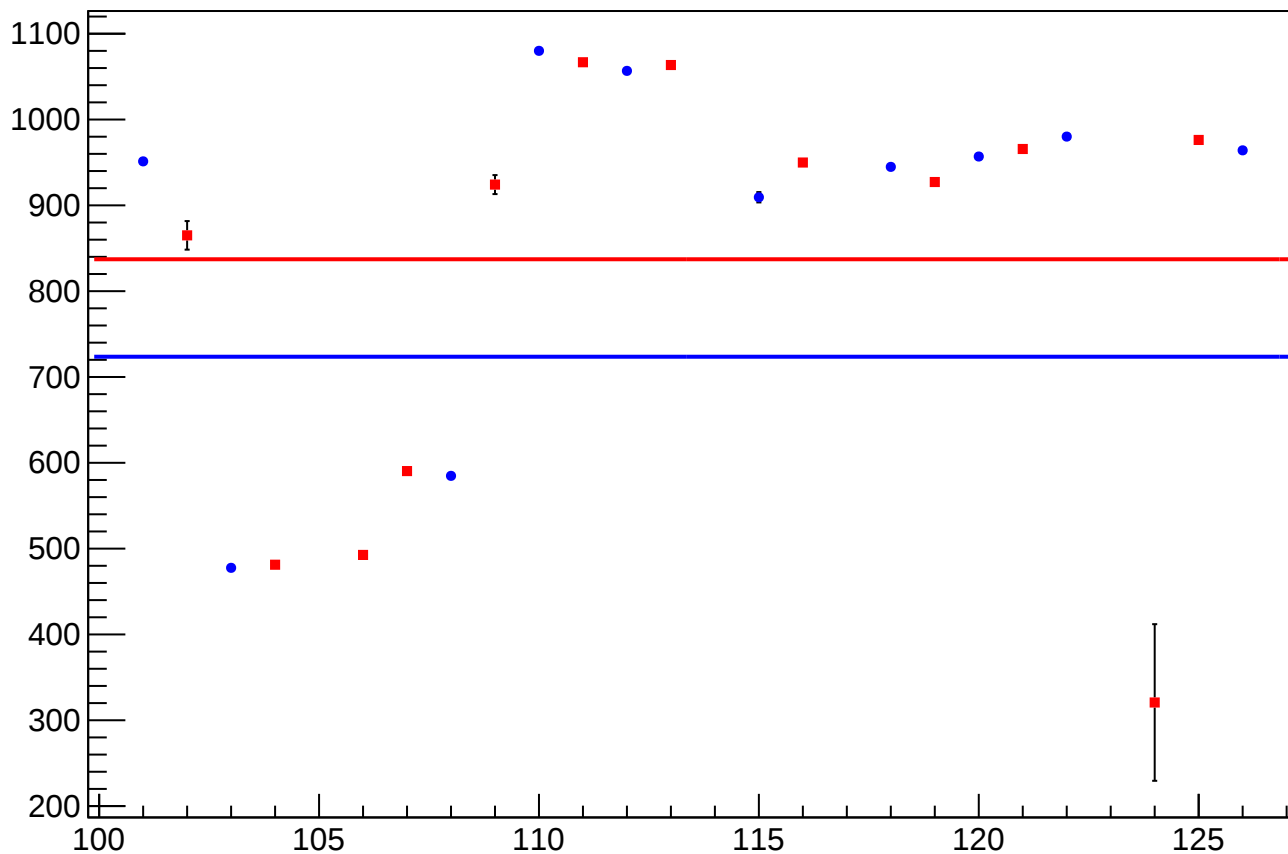
Right: -589.136+/-0.198  $\chi^2/\text{NDF}$ : 235819.4/21

In: -571.817+/-0.265  $\chi^2/\text{NDF}$ : 143137.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -589.136+/-0.198  $\chi^2/\text{NDF}$ : 235819.4/21

# dit\_atr2\_4eX\_slope vs Slug, Sign Corrected



Right In: 723.611+/-0.259  $\chi^2/\text{NDF}$ : 595652.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 837.183+/-0.290  $\chi^2/\text{NDF}$ : 687930.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

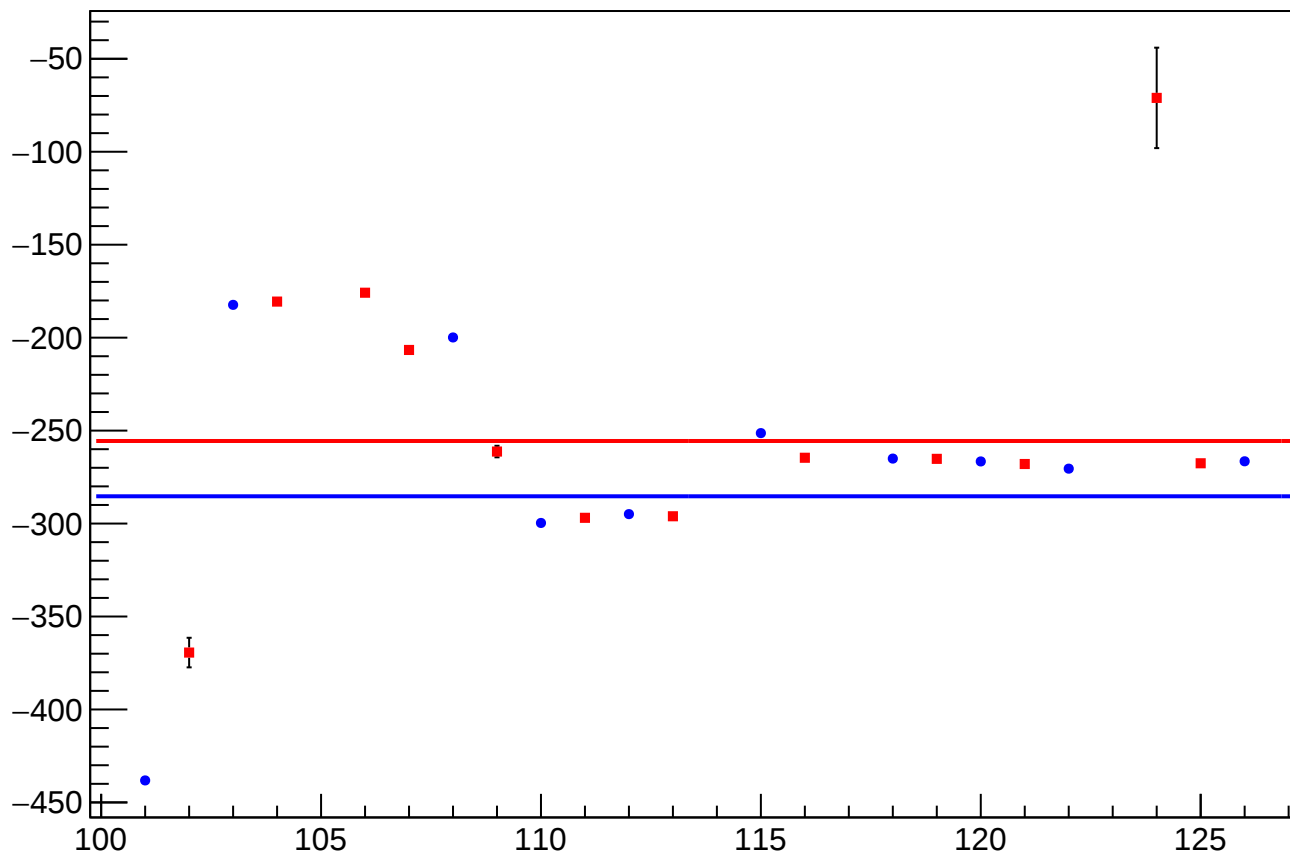
Right: 774.044+/-0.193  $\chi^2/\text{NDF}$ : 1368822.6/21

In: 723.611+/-0.259  $\chi^2/\text{NDF}$ : 595652.8/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 774.044+/-0.193  $\chi^2/\text{NDF}$ : 1368822.6/21

# dit\_atr2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -285.328+/-0.079  $\chi^2/\text{NDF}$ : 831028.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -255.586+/-0.078  $\chi^2/\text{NDF}$ : 274947.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

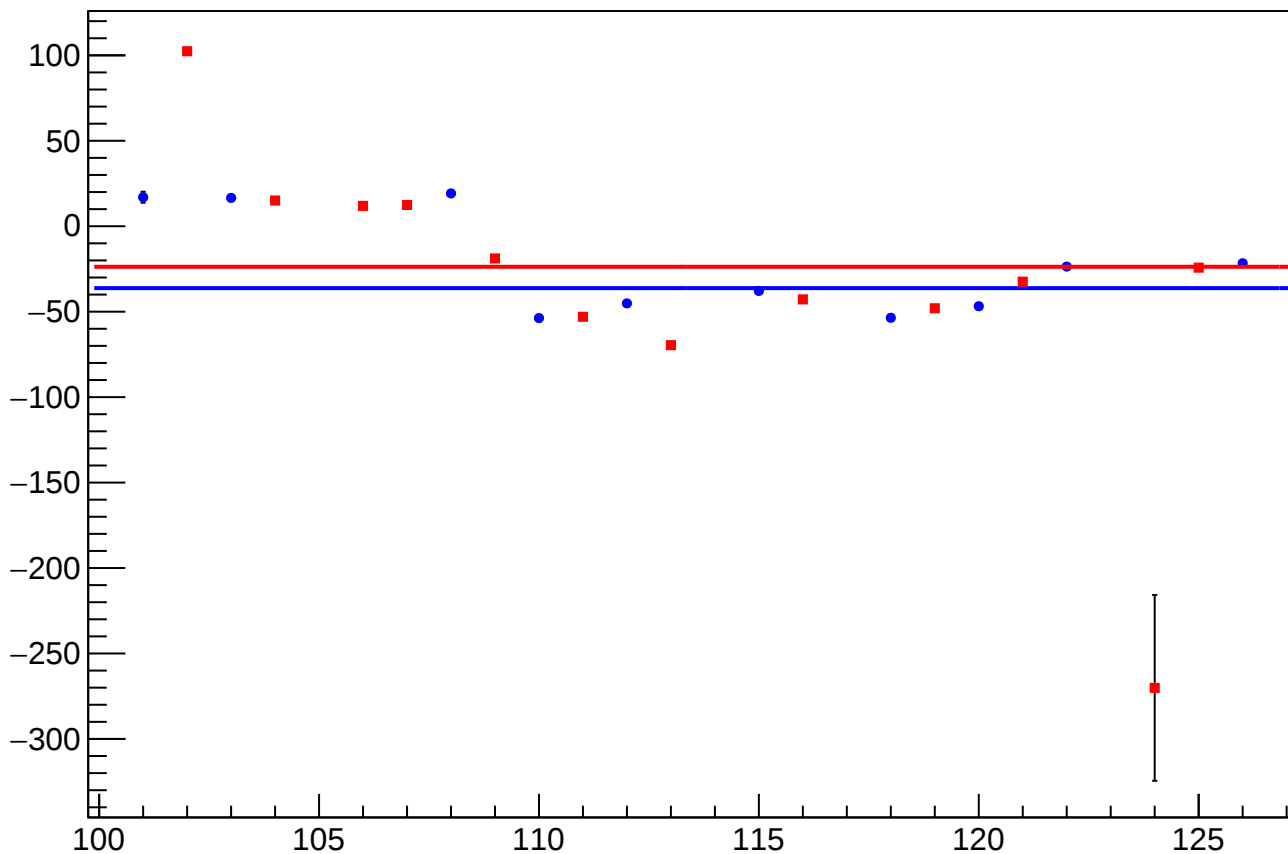
Right: -270.241+/-0.056  $\chi^2/\text{NDF}$ : 1177552.2/21

In: -285.328+/-0.079  $\chi^2/\text{NDF}$ :831028.7/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -270.241+/-0.056  $\chi^2/\text{NDF}$ : 1177552.2/21

# dit\_atr2\_4aY\_slope vs Slug, Sign Corrected



Right In: -36.210+/-0.148  $\chi^2/\text{NDF}$ : 21023.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -23.715+/-0.173  $\chi^2/\text{NDF}$ : 32881.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

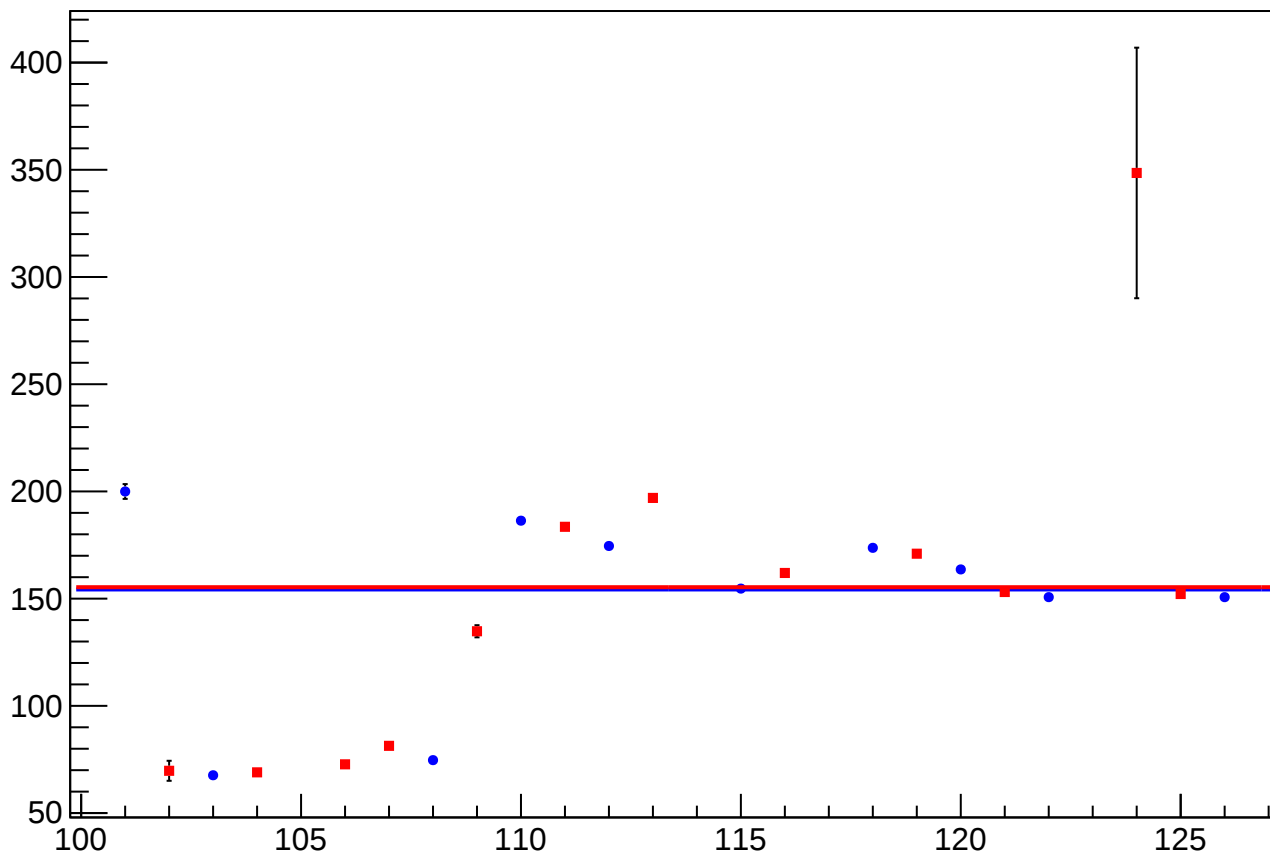
Right: -30.946+/-0.112  $\chi^2/\text{NDF}$ : 56925.5/21

In: -36.210+/-0.148  $\chi^2/\text{NDF}$ : 21023.3/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -30.946+/-0.112  $\chi^2/\text{NDF}$ : 56925.5/21

# dit\_atr2\_4eY\_slope vs Slug, Sign Corrected



Right In: 154.277+/-0.161  $\chi^2/\text{NDF}$ : 39568.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 155.333+/-0.154  $\chi^2/\text{NDF}$ : 53488.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

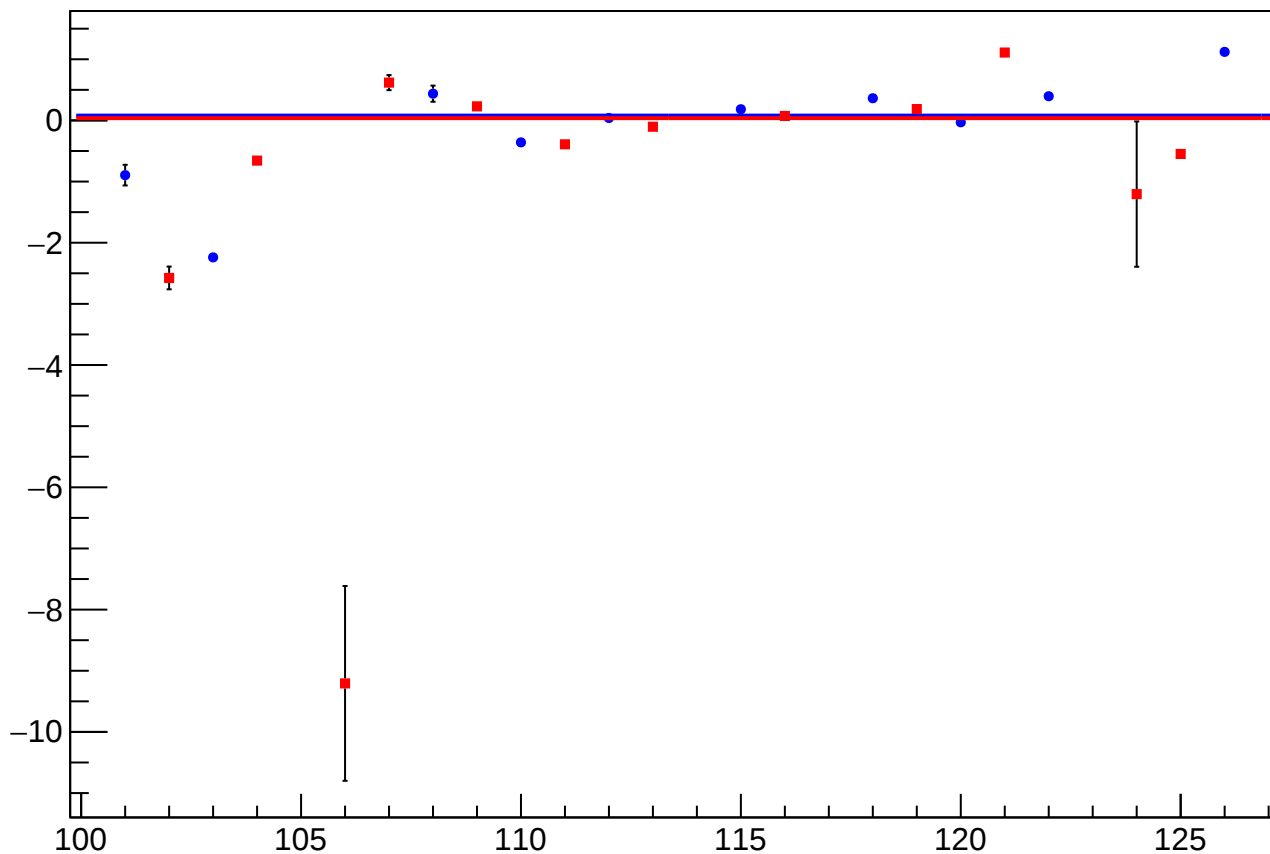
Right: 154.827+/-0.111  $\chi^2/\text{NDF}$ : 93079.9/21

In: 154.277+/-0.161  $\chi^2/\text{NDF}$ :39568.8/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 154.827+/-0.111  $\chi^2/\text{NDF}$ : 93079.9/21

# dit\_sam1\_4aX\_slope vs Slug, Sign Corrected



Right In: 0.078+/-0.015  $\chi^2/\text{NDF}$ : 2271.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.037+/-0.008  $\chi^2/\text{NDF}$ : 767.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

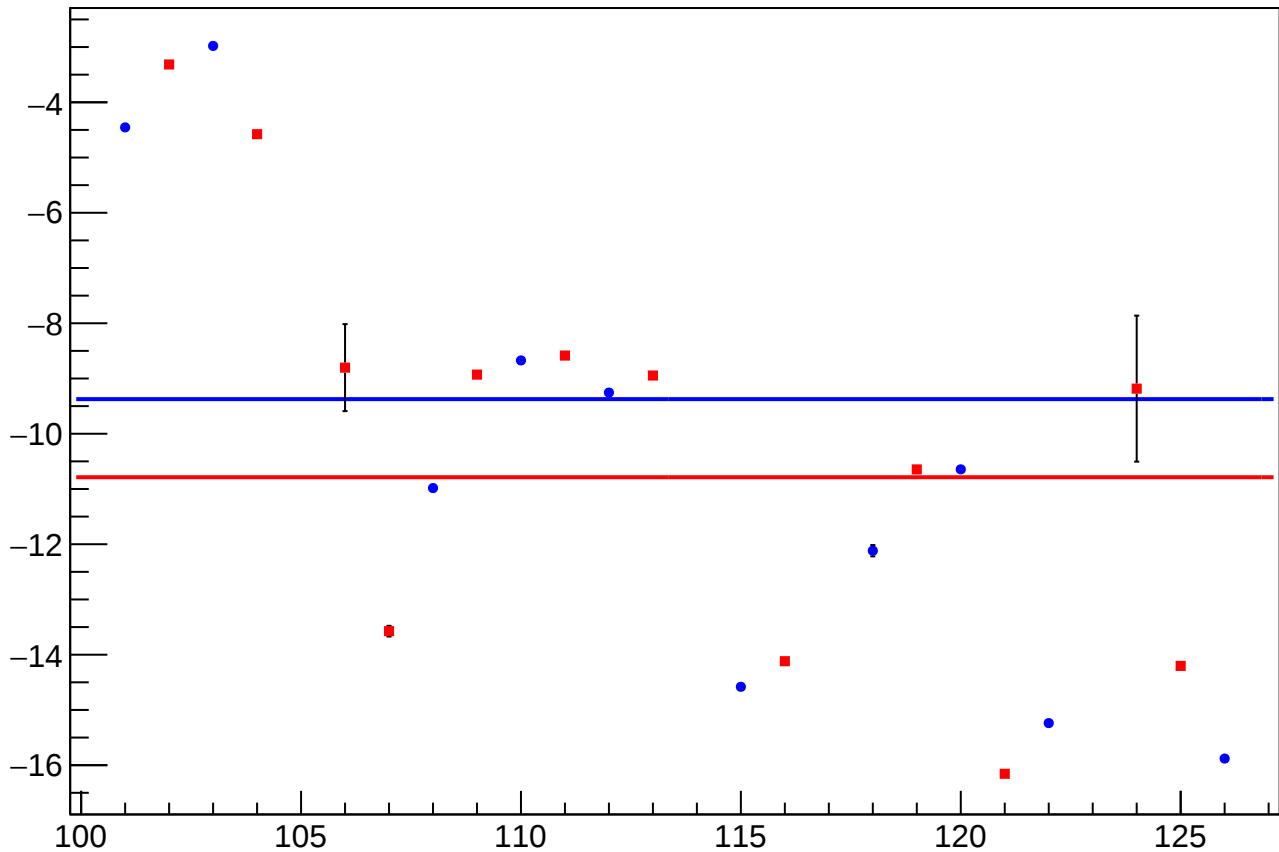
Right: 0.047+/-0.007  $\chi^2/\text{NDF}$ : 3044.1/21

In: 0.078+/-0.015  $\chi^2/\text{NDF}$ : 2271.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.047+/-0.007  $\chi^2/\text{NDF}$ : 3044.1/21

# dit\_sam1\_4eX\_slope vs Slug, Sign Corrected



Right In: -9.373+/-0.012  $\chi^2/\text{NDF}$ : 179864.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -10.787+/-0.014  $\chi^2/\text{NDF}$ : 88263.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

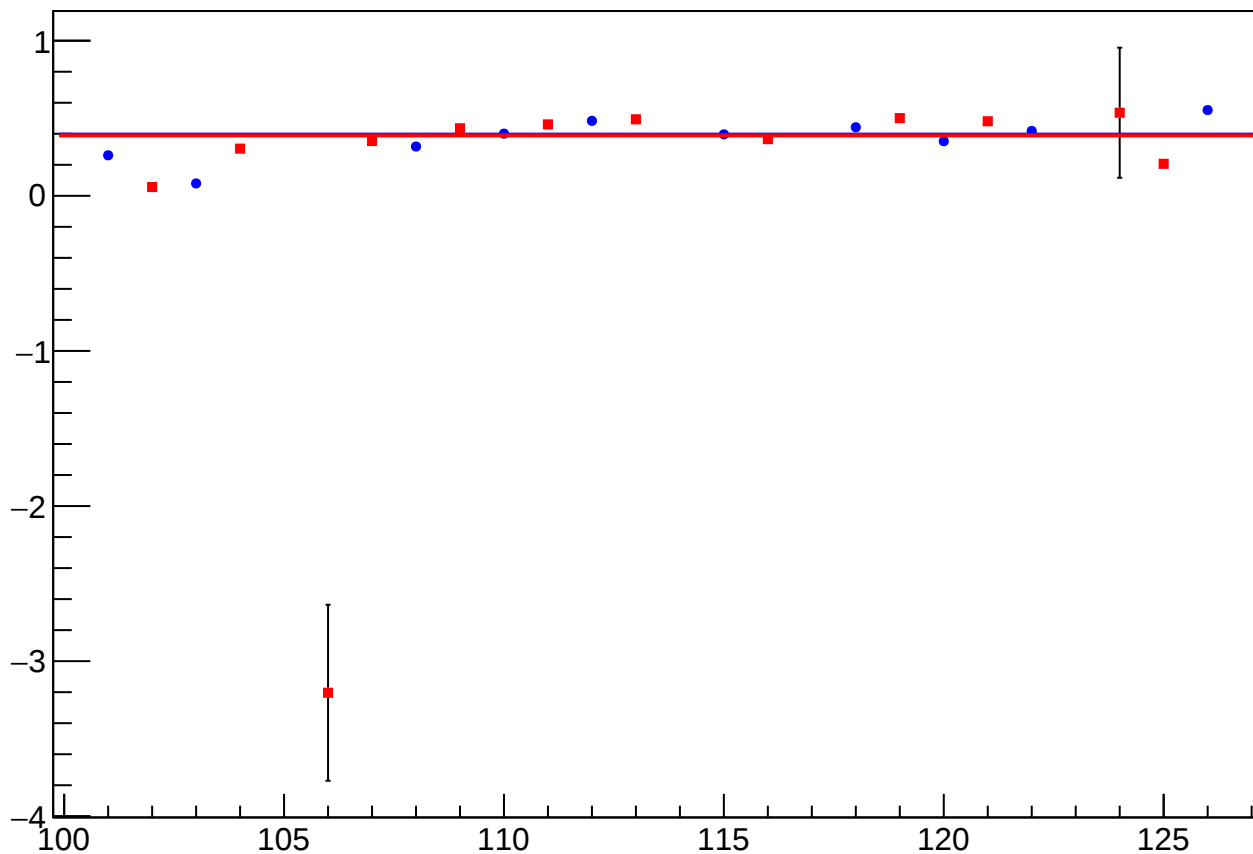
Right: -9.995+/-0.009  $\chi^2/\text{NDF}$ : 274147.3/21

In: -9.373+/-0.012  $\chi^2/\text{NDF}$ :179864.4/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -9.995+/-0.009  $\chi^2/\text{NDF}$ : 274147.3/21

dit\_sam1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.394 $\pm$ 0.003  $\chi^2$ /NDF: 1979.2/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.390 $\pm$ 0.002  $\chi^2$ /NDF: 1247.7/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

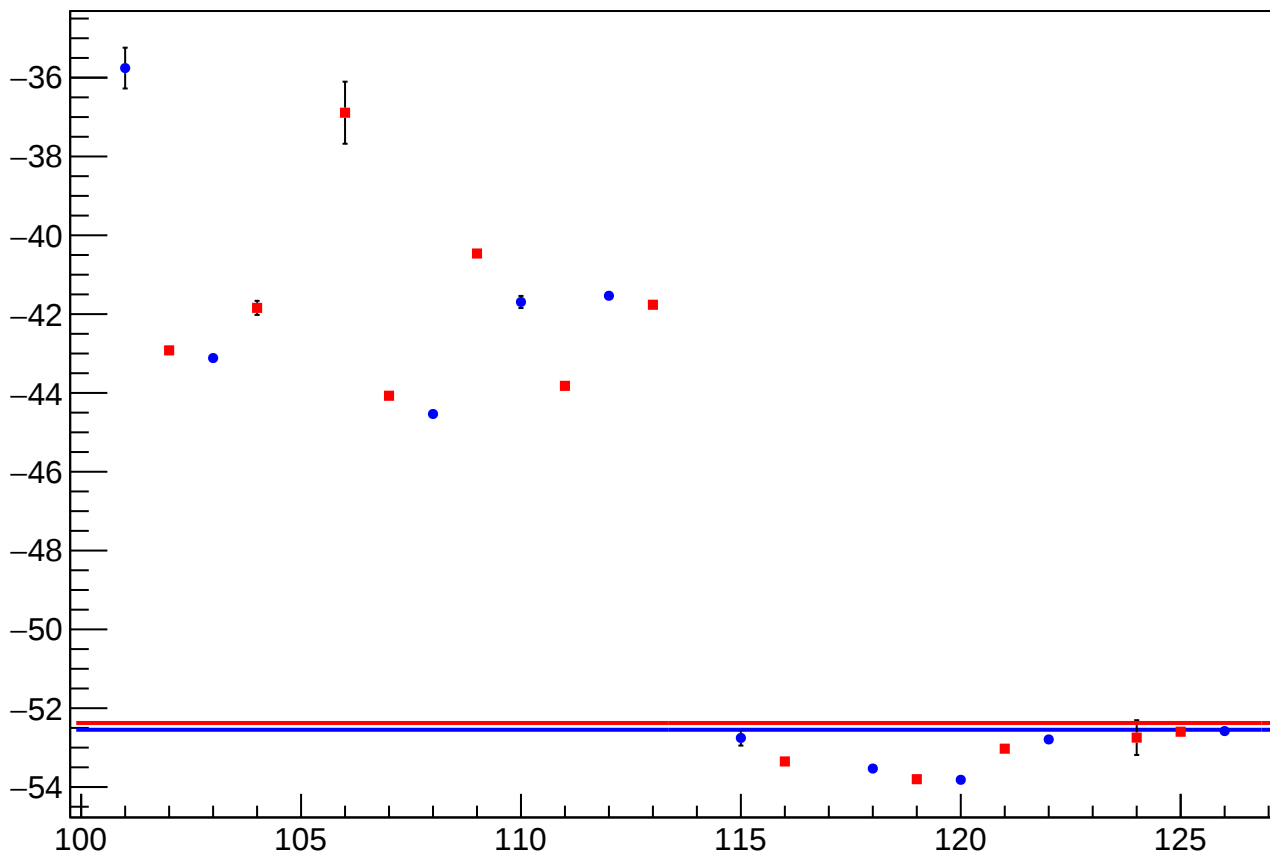
Right: 0.391 $\pm$ 0.002  $\chi^2$ /NDF: 3228.7/21

In: 0.394 $\pm$ 0.003  $\chi^2$ /NDF: 1979.2/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.391 $\pm$ 0.002  $\chi^2$ /NDF: 3228.7/21

# dit\_sam1\_4aY\_slope vs Slug, Sign Corrected



Right In: -52.547+/-0.011  $\chi^2/\text{NDF}$ : 48177.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -52.375+/-0.011  $\chi^2/\text{NDF}$ : 73399.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

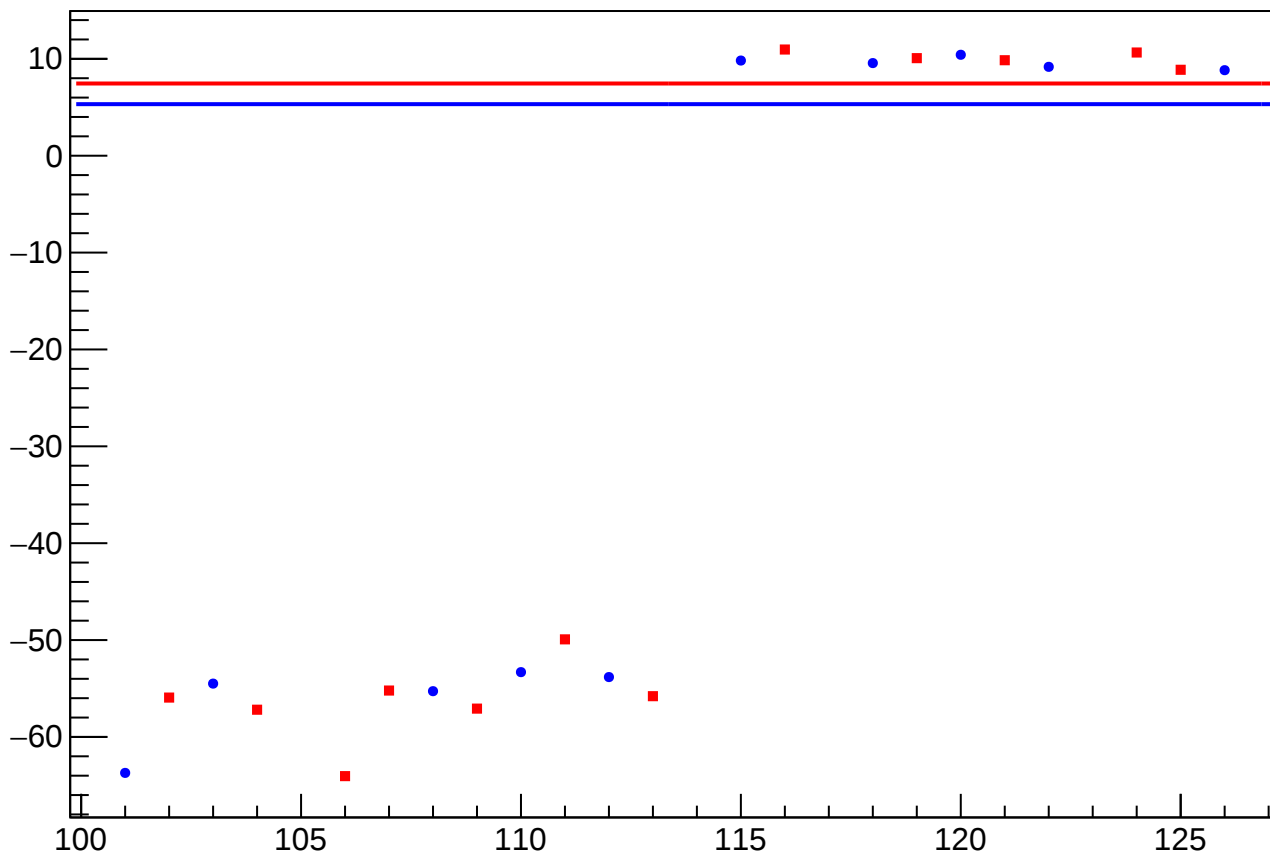
Right: -52.461+/-0.008  $\chi^2/\text{NDF}$ : 121695.6/21

In: -52.547+/-0.011  $\chi^2/\text{NDF}$ :48177.3/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -52.461+/-0.008  $\chi^2/\text{NDF}$ : 121695.6/21

# dit\_sam1\_4eY\_slope vs Slug, Sign Corrected



Right In: 5.322+/-0.016  $\chi^2/\text{NDF}$ : 979147.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.454+/-0.010  $\chi^2/\text{NDF}$ : 1193883.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

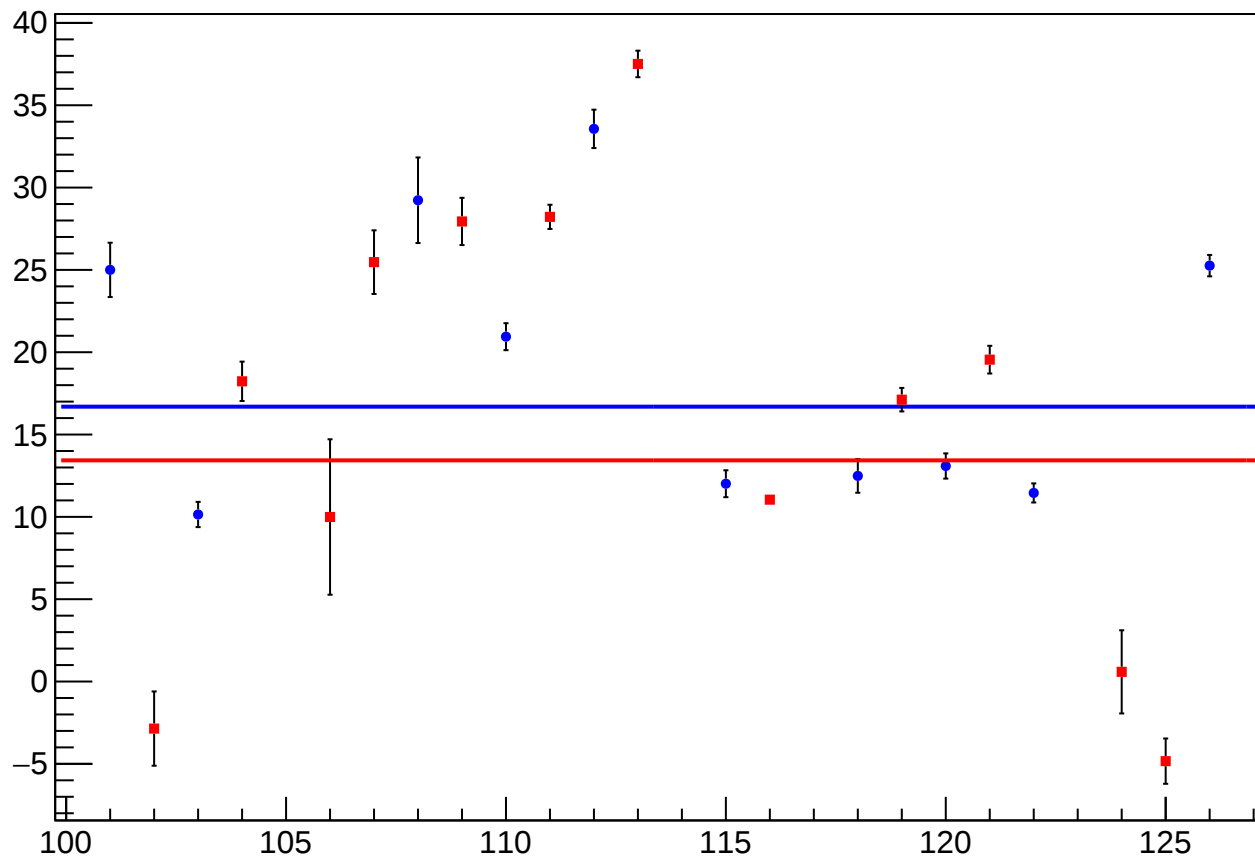
Right: 6.823+/-0.008  $\chi^2/\text{NDF}$ : 2186187.4/21

In: 5.322+/-0.016  $\chi^2/\text{NDF}$ : 979147.3/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.823+/-0.008  $\chi^2/\text{NDF}$ : 2186187.4/21

# dit\_sam2\_4aX\_slope vs Slug, Sign Corrected



Right In: 16.694 $\pm$ 0.268  $\chi^2$ /NDF: 685.1/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.433 $\pm$ 0.154  $\chi^2$ /NDF: 1976.5/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

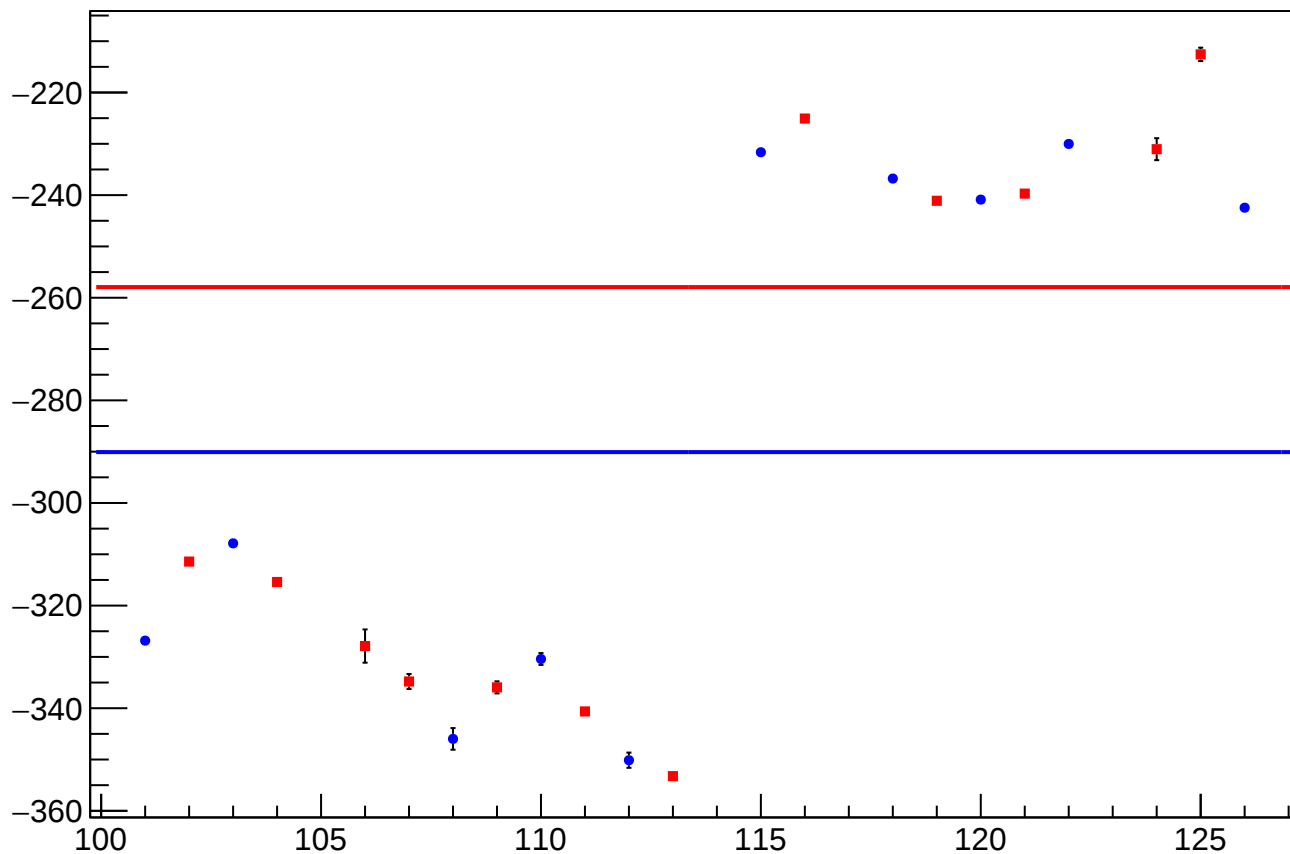
Right: 14.243 $\pm$ 0.133  $\chi^2$ /NDF: 2773.0/21

In: 16.694 $\pm$ 0.268  $\chi^2$ /NDF: 685.1/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 14.243 $\pm$ 0.133  $\chi^2$ /NDF: 2773.0/21

# dit\_sam2\_4eX\_slope vs Slug, Sign Corrected



Right In: -290.085+/-0.171  $\chi^2/\text{NDF}$ : 51792.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -257.919+/-0.170  $\chi^2/\text{NDF}$ : 70884.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

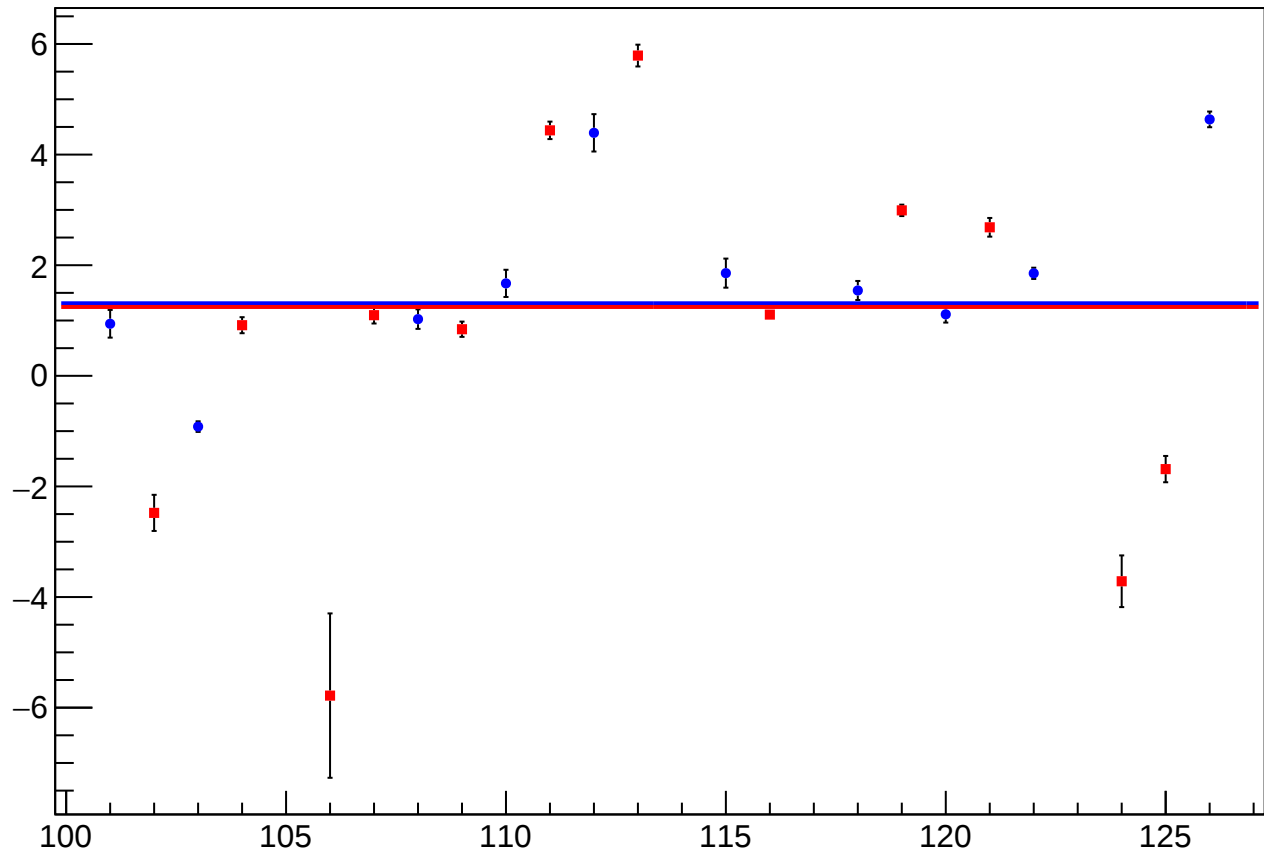
Right: -273.922+/-0.121  $\chi^2/\text{NDF}$ : 140411.0/21

In: -290.085+/-0.171  $\chi^2/\text{NDF}$ : 51792.8/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -273.922+/-0.121  $\chi^2/\text{NDF}$ : 140411.0/21

# dit\_sam2\_11X12X\_slope vs Slug, Sign Corrected



Right In: 1.311+/-0.049  $\chi^2/\text{NDF}$ : 1218.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.245+/-0.020  $\chi^2/\text{NDF}$ : 1773.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

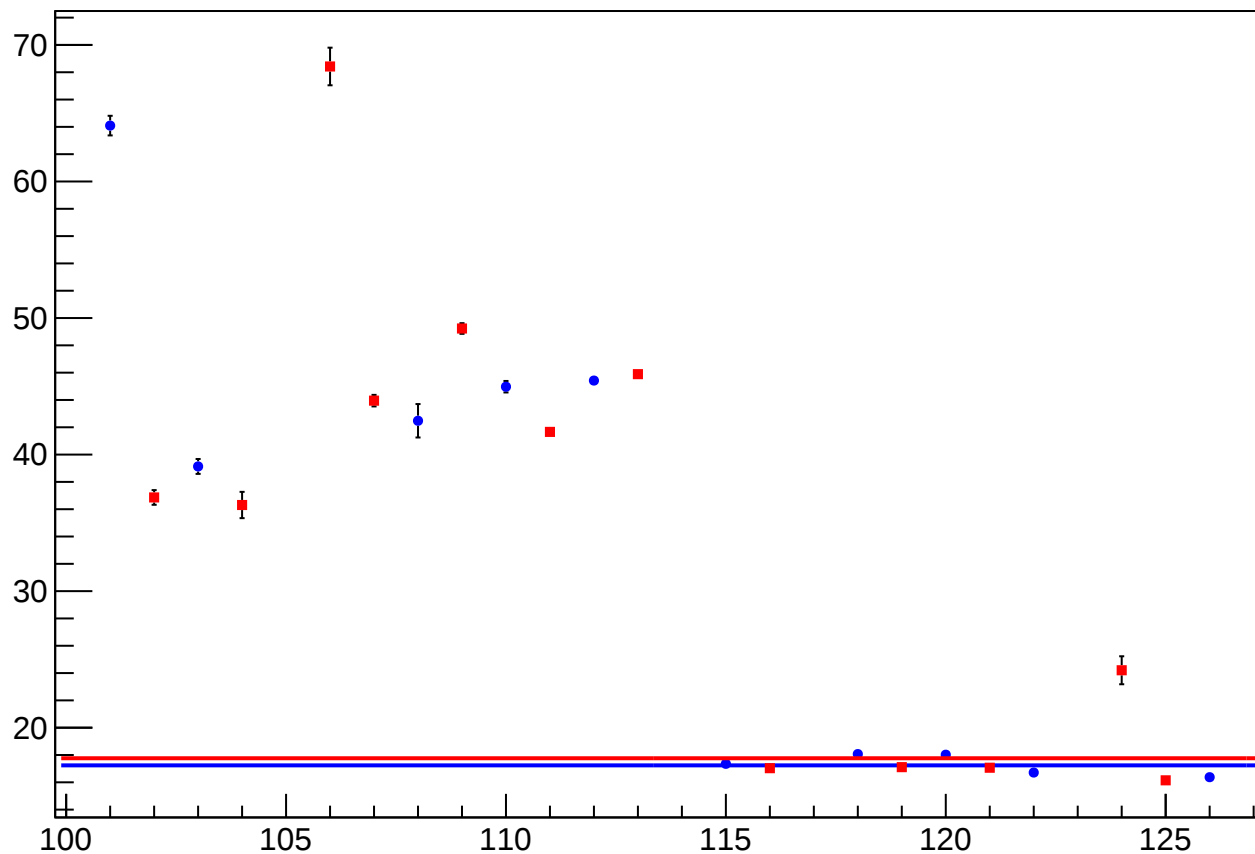
Right: 1.254+/-0.018  $\chi^2/\text{NDF}$ : 2993.4/21

In: 1.311+/-0.049  $\chi^2/\text{NDF}$ : 1218.4/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.254+/-0.018  $\chi^2/\text{NDF}$ : 2993.4/21

# dit\_sam2\_4aY\_slope vs Slug, Sign Corrected



Right In: 17.241+/-0.020  $\chi^2/\text{NDF}$ : 27057.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 17.762+/-0.022  $\chi^2/\text{NDF}$ : 59987.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

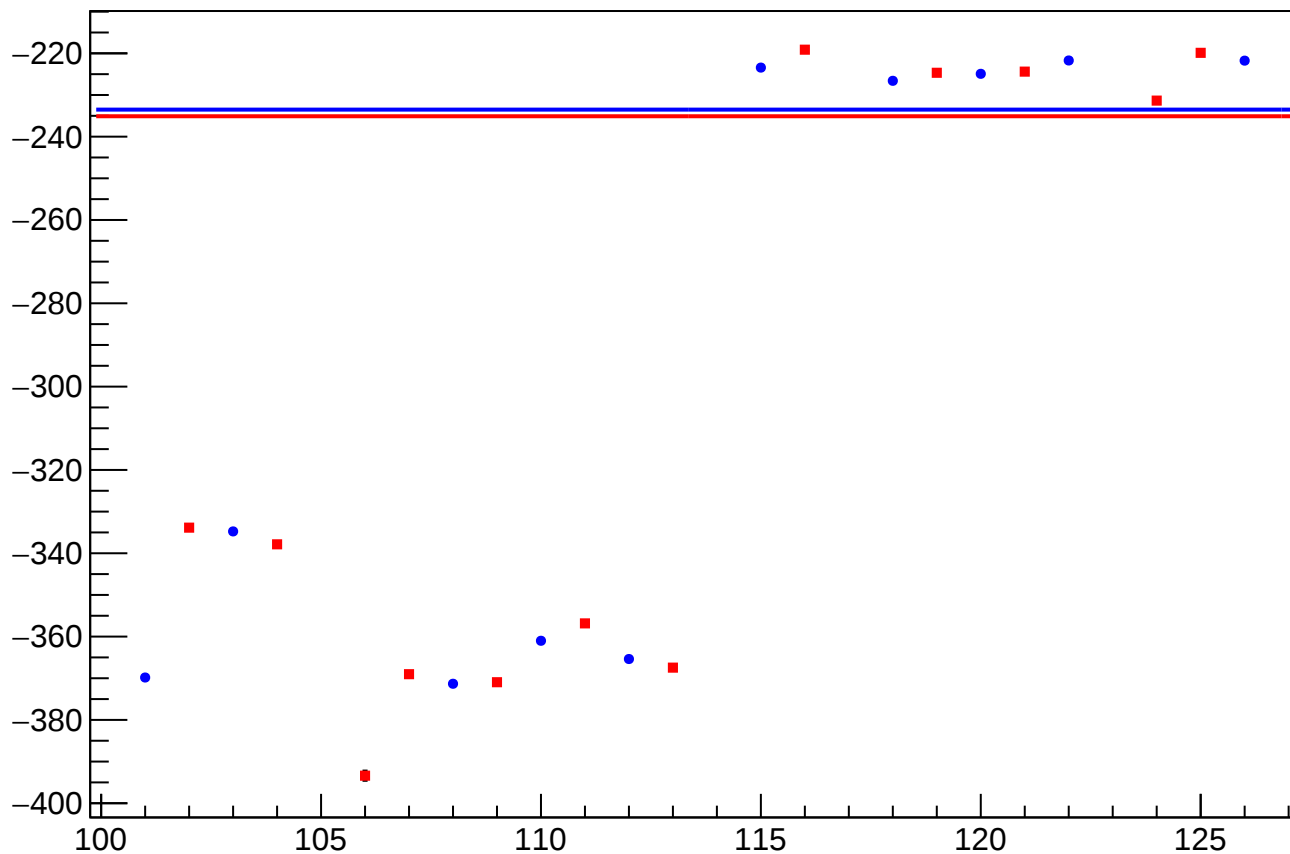
Right: 17.483+/-0.015  $\chi^2/\text{NDF}$ : 87354.6/21

In: 17.241+/-0.020  $\chi^2/\text{NDF}$ : 27057.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 17.483+/-0.015  $\chi^2/\text{NDF}$ : 87354.6/21

# dit\_sam2\_4eY\_slope vs Slug, Sign Corrected



Right In: -233.509+/-0.046  $\chi^2/\text{NDF}$ : 630948.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -235.103+/-0.048  $\chi^2/\text{NDF}$ : 774562.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

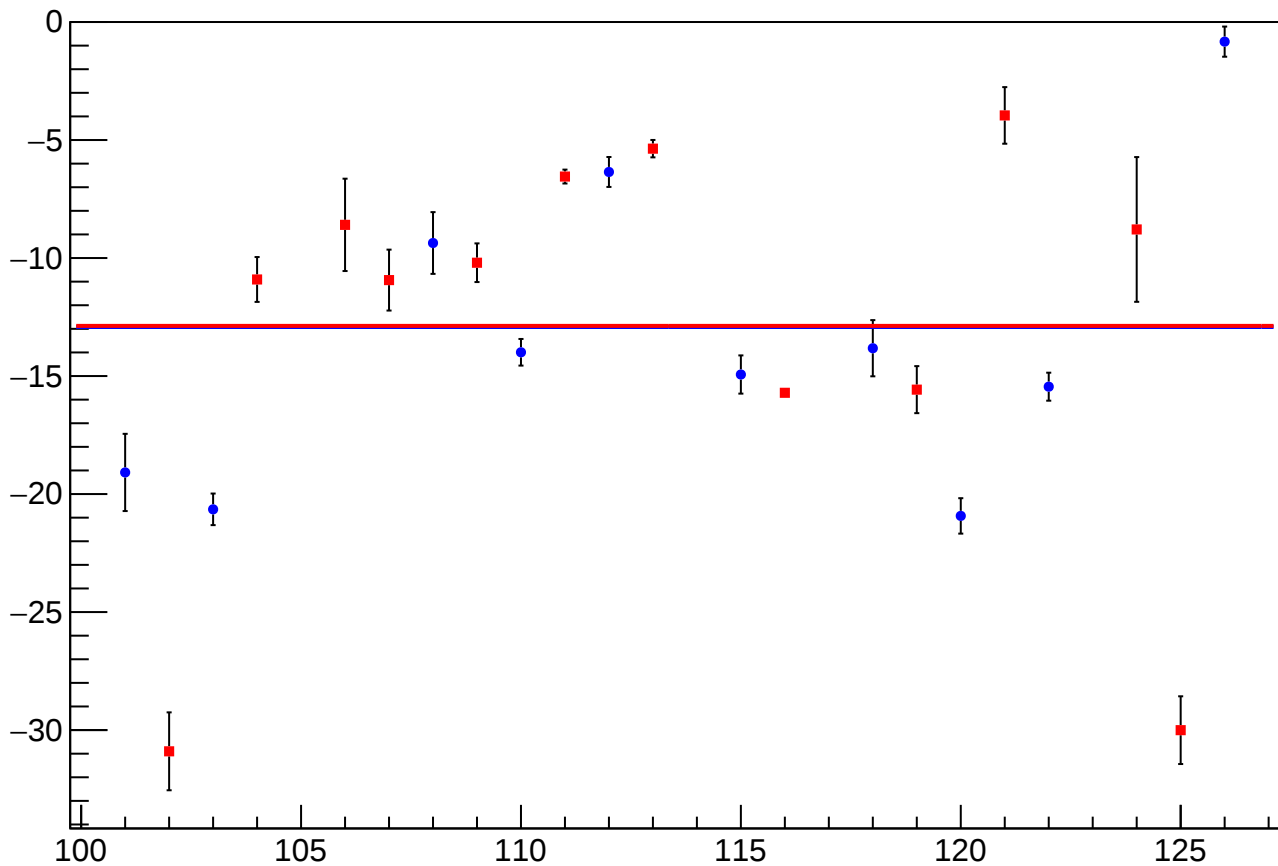
Right: -234.274+/-0.033  $\chi^2/\text{NDF}$ : 1406090.2/21

In: -233.509+/-0.046  $\chi^2/\text{NDF}$ : 630948.1/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -234.274+/-0.033  $\chi^2/\text{NDF}$ : 1406090.2/21

# dit\_sam3\_4aX\_slope vs Slug, Sign Corrected



Right In: -12.921+/-0.235  $\chi^2/\text{NDF}$ : 762.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -12.875+/-0.120  $\chi^2/\text{NDF}$ : 1583.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

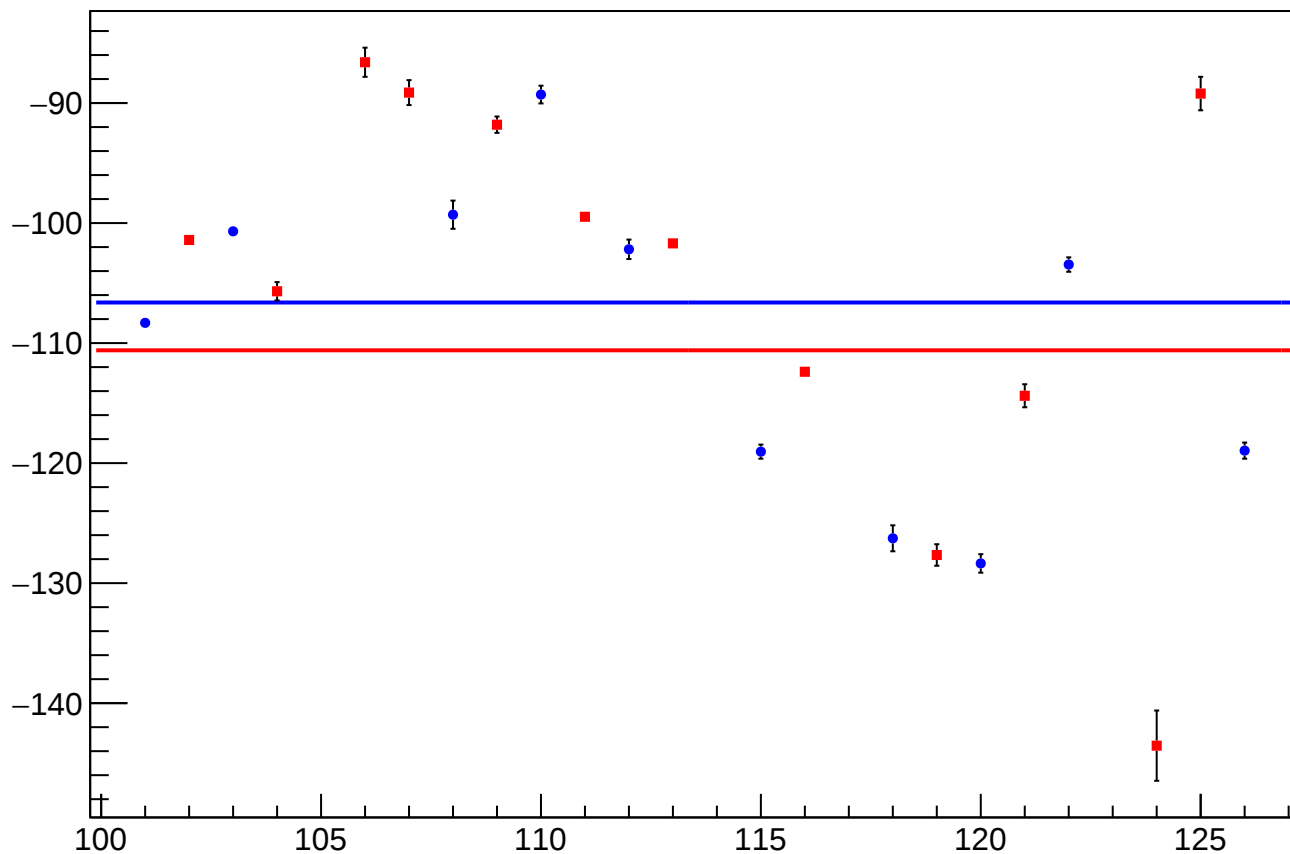
Right: -12.884+/-0.107  $\chi^2/\text{NDF}$ : 2346.5/21

In: -12.921+/-0.235  $\chi^2/\text{NDF}$ : 762.8/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -12.884+/-0.107  $\chi^2/\text{NDF}$ : 2346.5/21

# dit\_sam3\_4eX\_slope vs Slug, Sign Corrected



Right In: -106.617+/-0.118  $\chi^2/\text{NDF}$ : 3406.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -110.601+/-0.051  $\chi^2/\text{NDF}$ : 8216.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

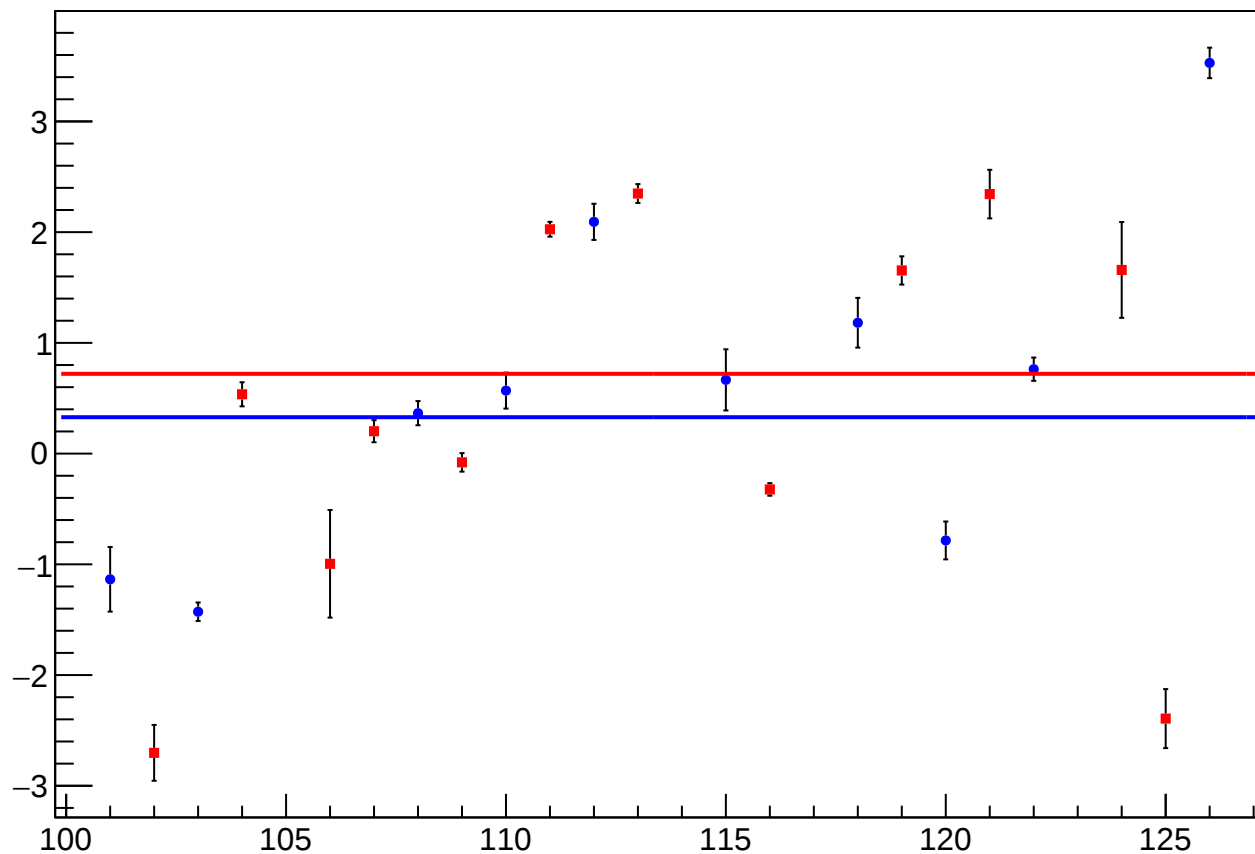
Right: -109.972+/-0.047  $\chi^2/\text{NDF}$ : 12589.6/21

In: -106.617+/-0.118  $\chi^2/\text{NDF}$ :3406.1/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -109.972+/-0.047  $\chi^2/\text{NDF}$ : 12589.6/21

# dit\_sam3\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.329+/-0.044  $\chi^2/\text{NDF}$ : 1204.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.721+/-0.030  $\chi^2/\text{NDF}$ : 1653.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

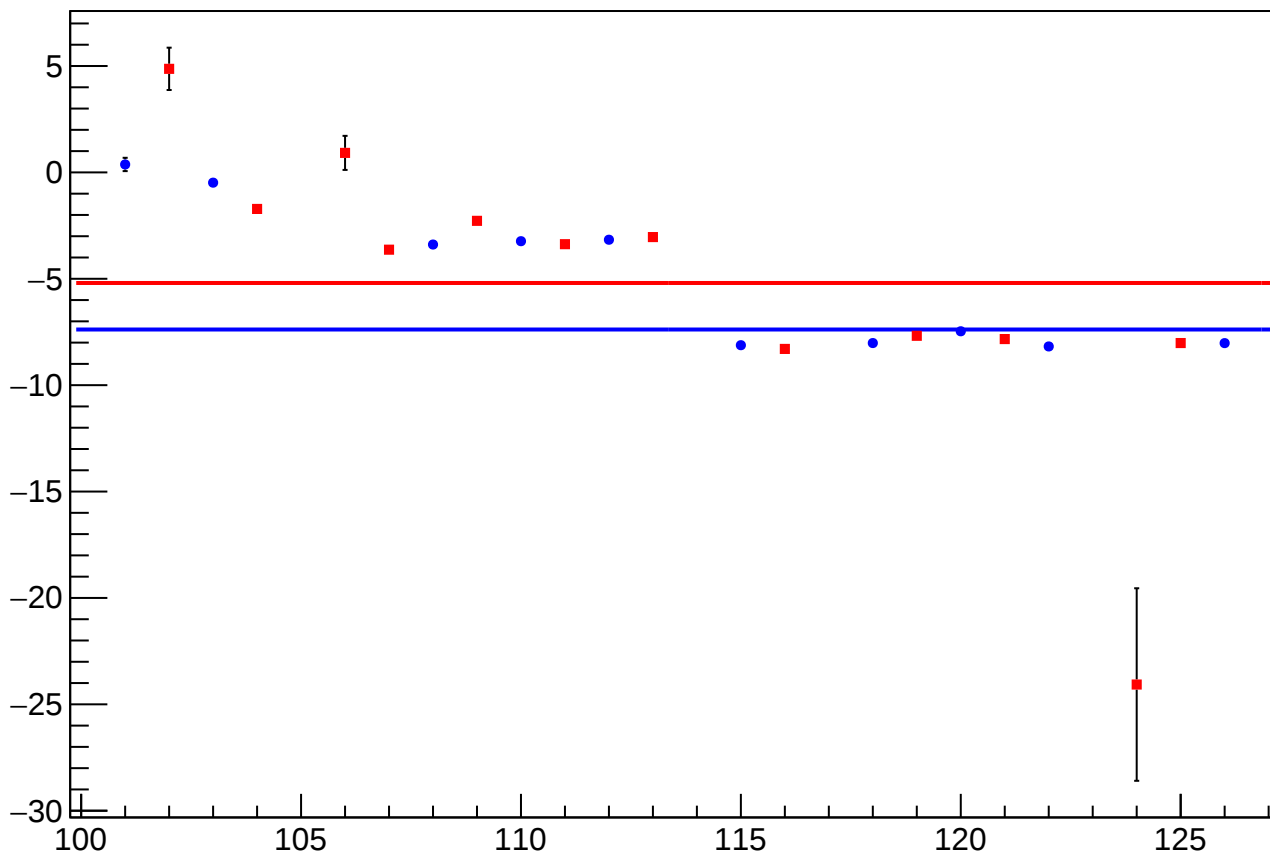
Right: 0.596+/-0.025  $\chi^2/\text{NDF}$ : 2912.1/21

In: 0.329+/-0.044  $\chi^2/\text{NDF}$ : 1204.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.596+/-0.025  $\chi^2/\text{NDF}$ : 2912.1/21

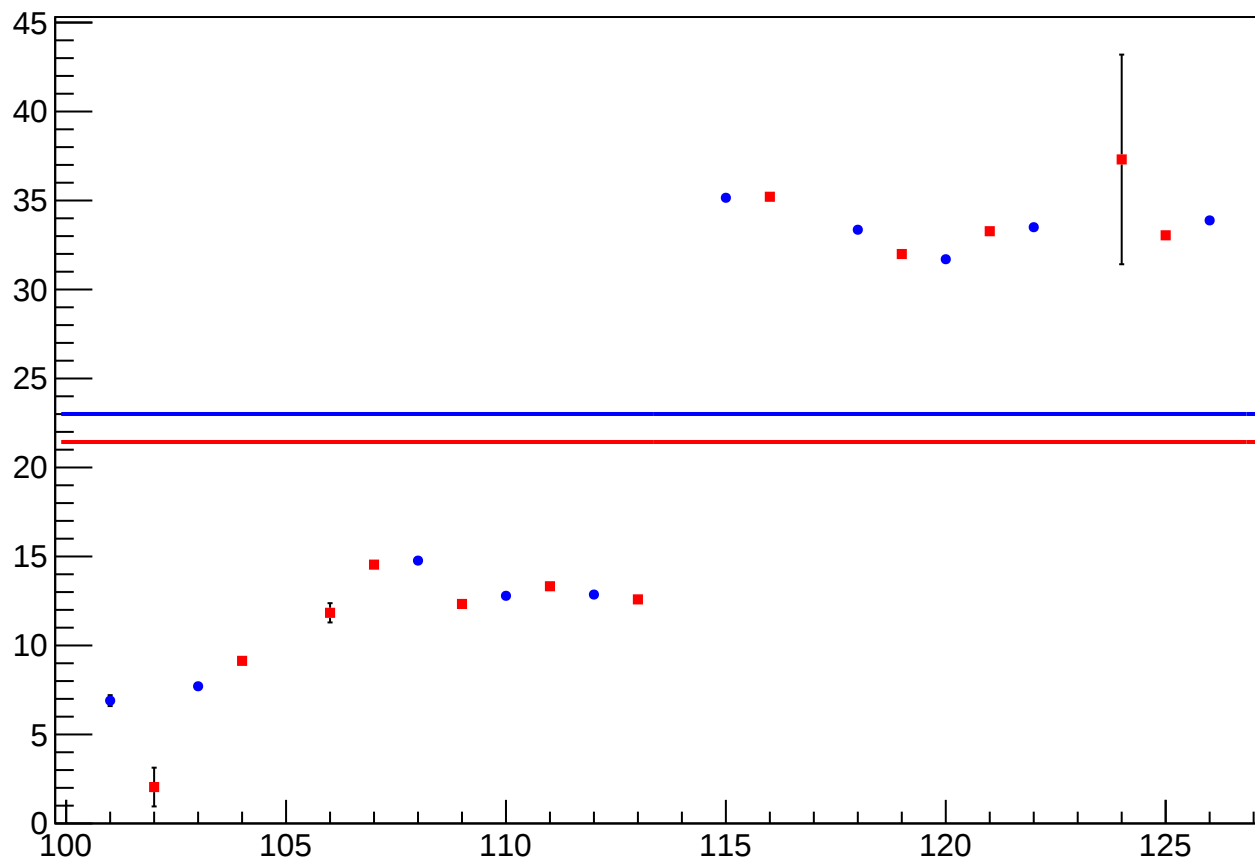
# dit\_sam3\_4aY\_slope vs Slug, Sign Corrected



Right In: -7.384+/-0.010  $\chi^2/\text{NDF}$ : 29806.8/9  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -5.197+/-0.011  $\chi^2/\text{NDF}$ : 55915.9/11  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right: -6.400+/-0.007  $\chi^2/\text{NDF}$ : 108612.9/21  
 In: -7.384+/-0.010  $\chi^2/\text{NDF}$ : 29806.8/9  
 Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 All: -6.400+/-0.007  $\chi^2/\text{NDF}$ : 108612.9/21

# dit\_sam3\_4eY\_slope vs Slug, Sign Corrected



Right In: 23.006 $\pm$ 0.021  $\chi^2$ /NDF: 234657.1/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 21.432 $\pm$ 0.015  $\chi^2$ /NDF: 439363.7/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

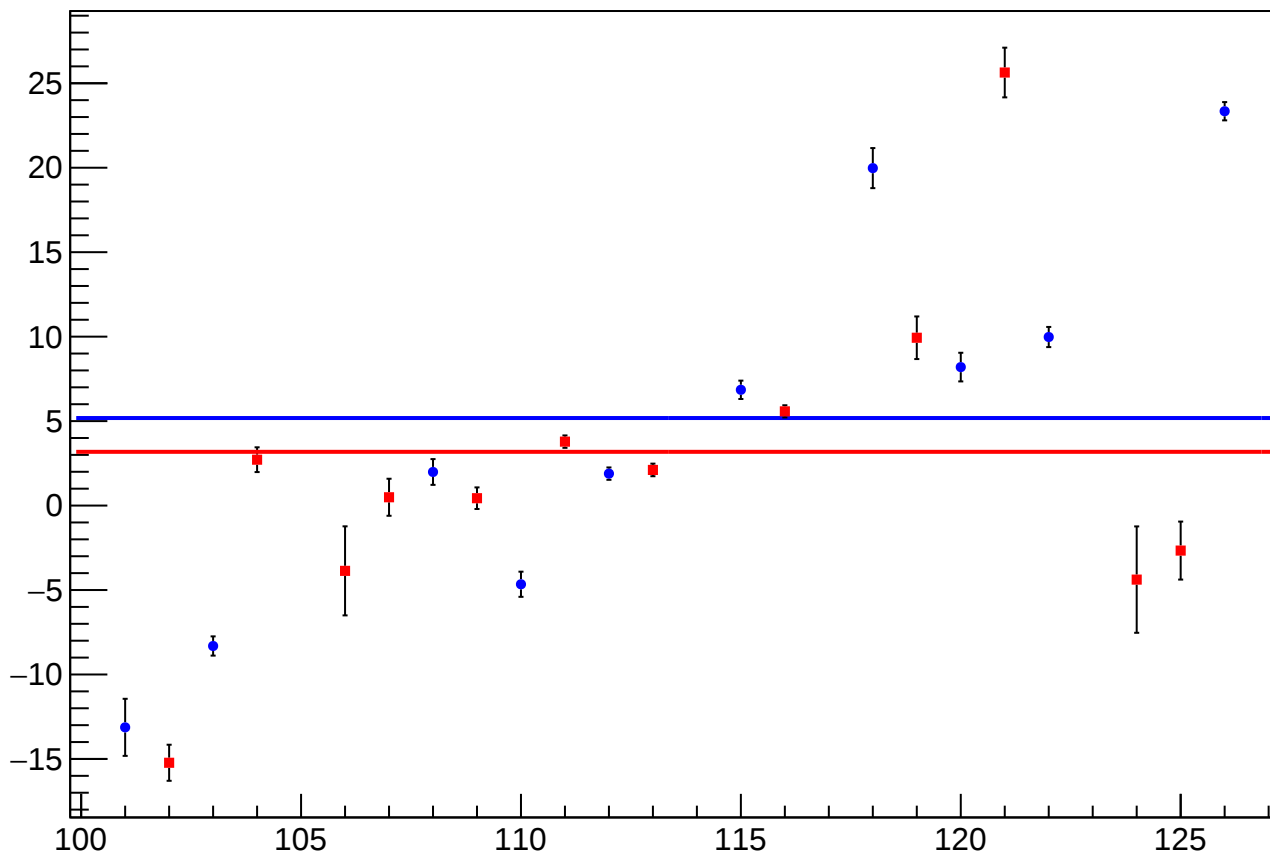
Right: 21.964 $\pm$ 0.012  $\chi^2$ /NDF: 677584.0/21

In: 23.006 $\pm$ 0.021  $\chi^2$ /NDF:234657.1/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 21.964 $\pm$ 0.012  $\chi^2$ /NDF: 677584.0/21

# dit\_sam4\_4aX\_slope vs Slug, Sign Corrected



Right In: 5.182+/-0.196  $\chi^2/\text{NDF}$ : 2323.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.181+/-0.183  $\chi^2/\text{NDF}$ : 663.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

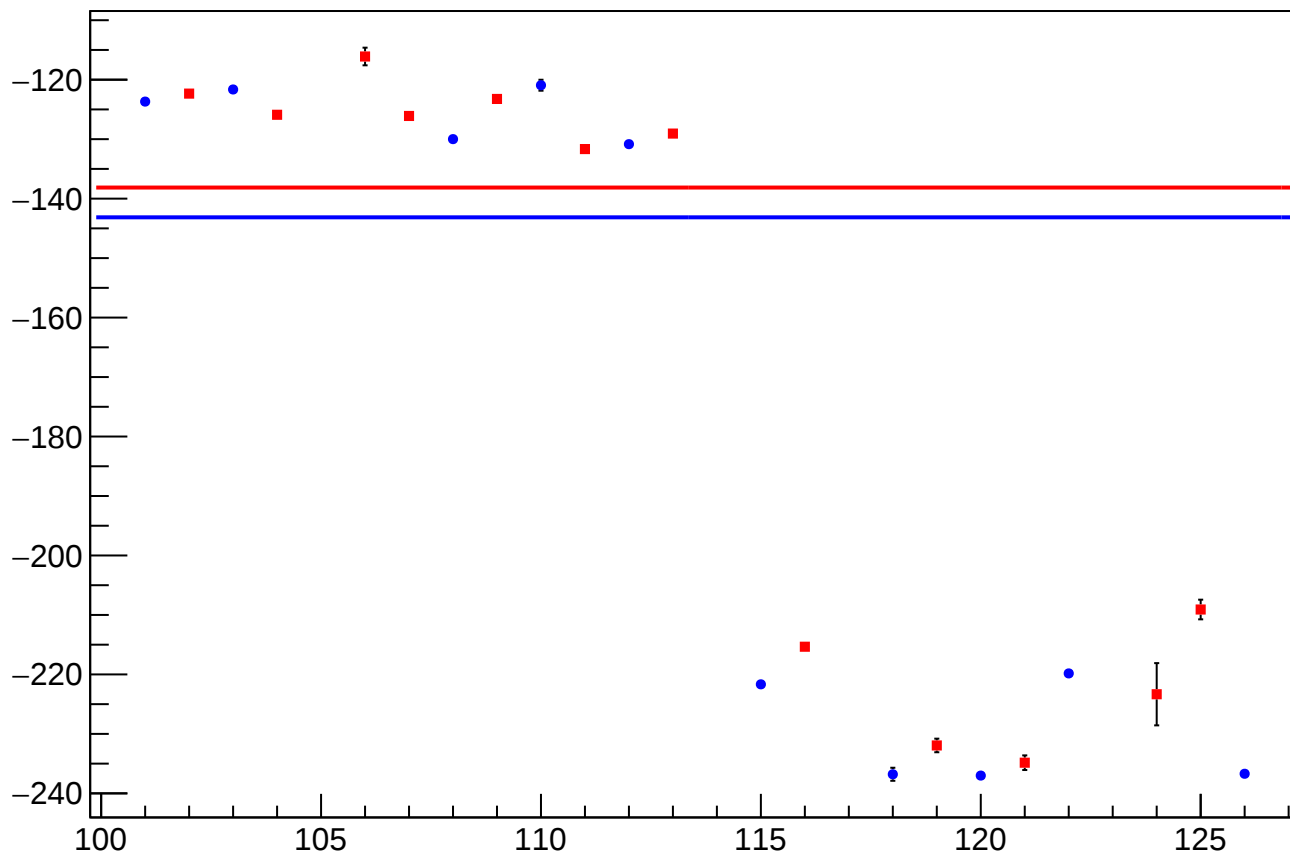
Right: 4.114+/-0.133  $\chi^2/\text{NDF}$ : 3042.2/21

In: 5.182+/-0.196  $\chi^2/\text{NDF}$ : 2323.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.114+/-0.133  $\chi^2/\text{NDF}$ : 3042.2/21

# dit\_sam4\_4eX\_slope vs Slug, Sign Corrected



Right In: -143.143+/-0.105  $\chi^2/\text{NDF}$ : 149314.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -138.136+/-0.118  $\chi^2/\text{NDF}$ : 81747.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

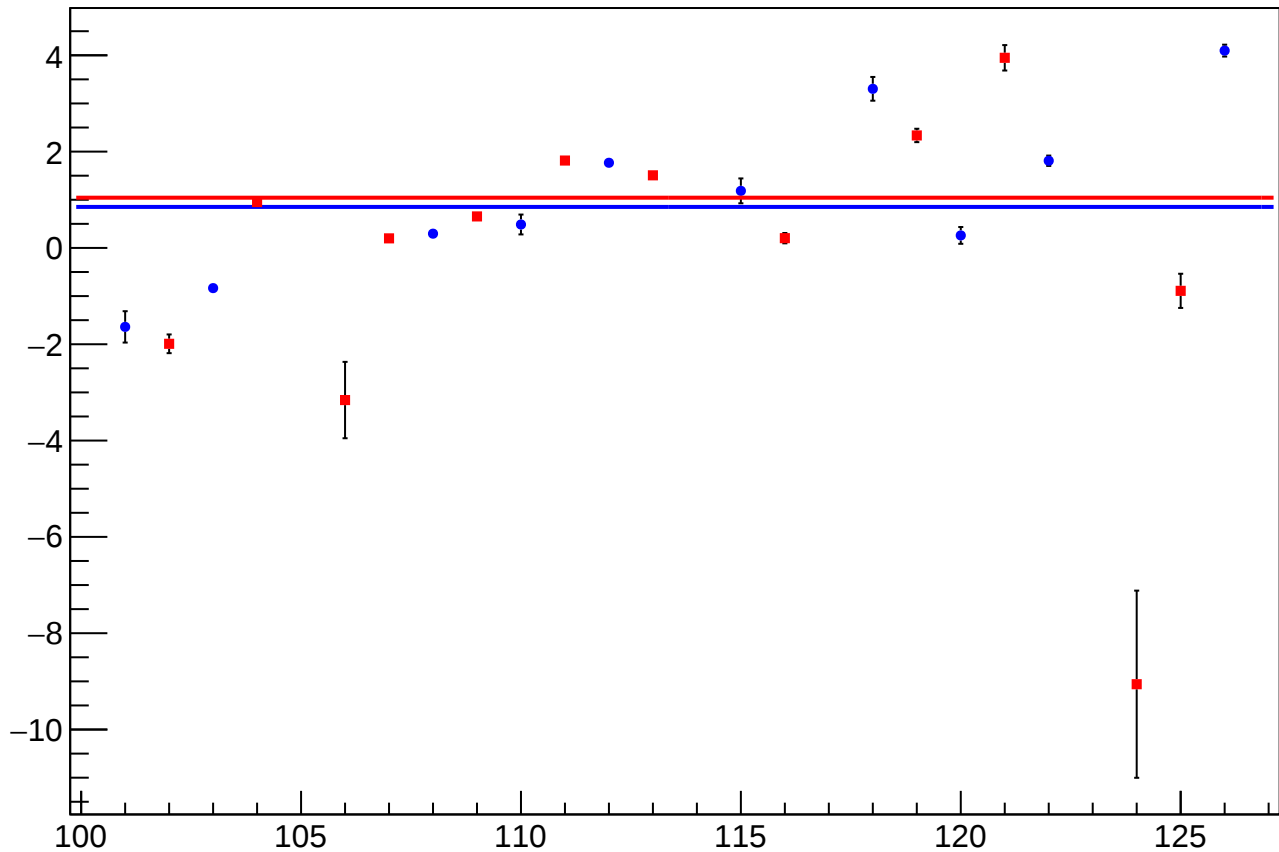
Right: -140.930+/-0.079  $\chi^2/\text{NDF}$ : 232060.5/21

In: -143.143+/-0.105  $\chi^2/\text{NDF}$ : 149314.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -140.930+/-0.079  $\chi^2/\text{NDF}$ : 232060.5/21

# dit\_sam4\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.851 $\pm$ 0.034  $\chi^2$ /NDF: 1744.5/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.043 $\pm$ 0.032  $\chi^2$ /NDF: 885.7/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

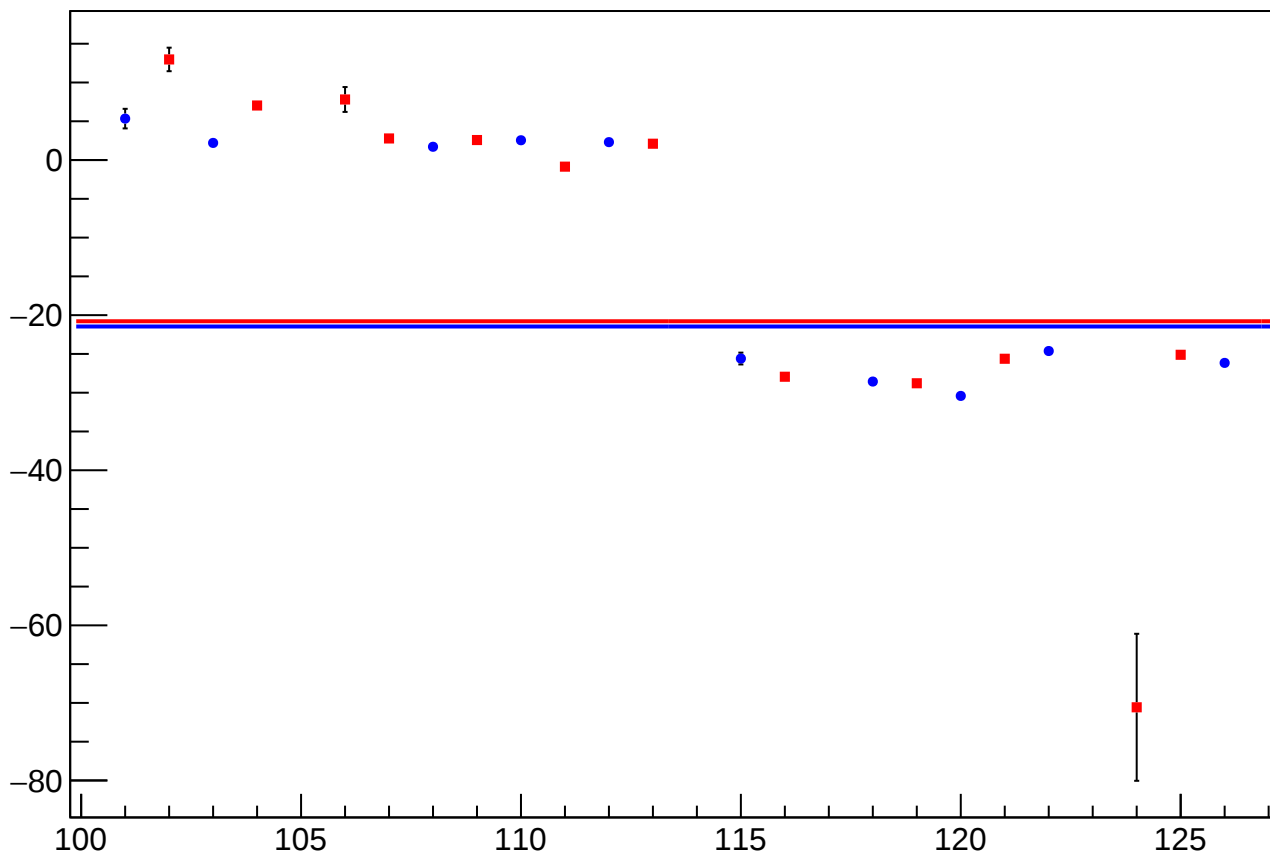
Right: 0.955 $\pm$ 0.023  $\chi^2$ /NDF: 2647.1/21

In: 0.851 $\pm$ 0.034  $\chi^2$ /NDF:1744.5/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.955 $\pm$ 0.023  $\chi^2$ /NDF: 2647.1/21

# dit\_sam4\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-21.463 \pm 0.033$   $\chi^2/\text{NDF}: 94527.3/9$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-20.787 \pm 0.034$   $\chi^2/\text{NDF}: 99042.6/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

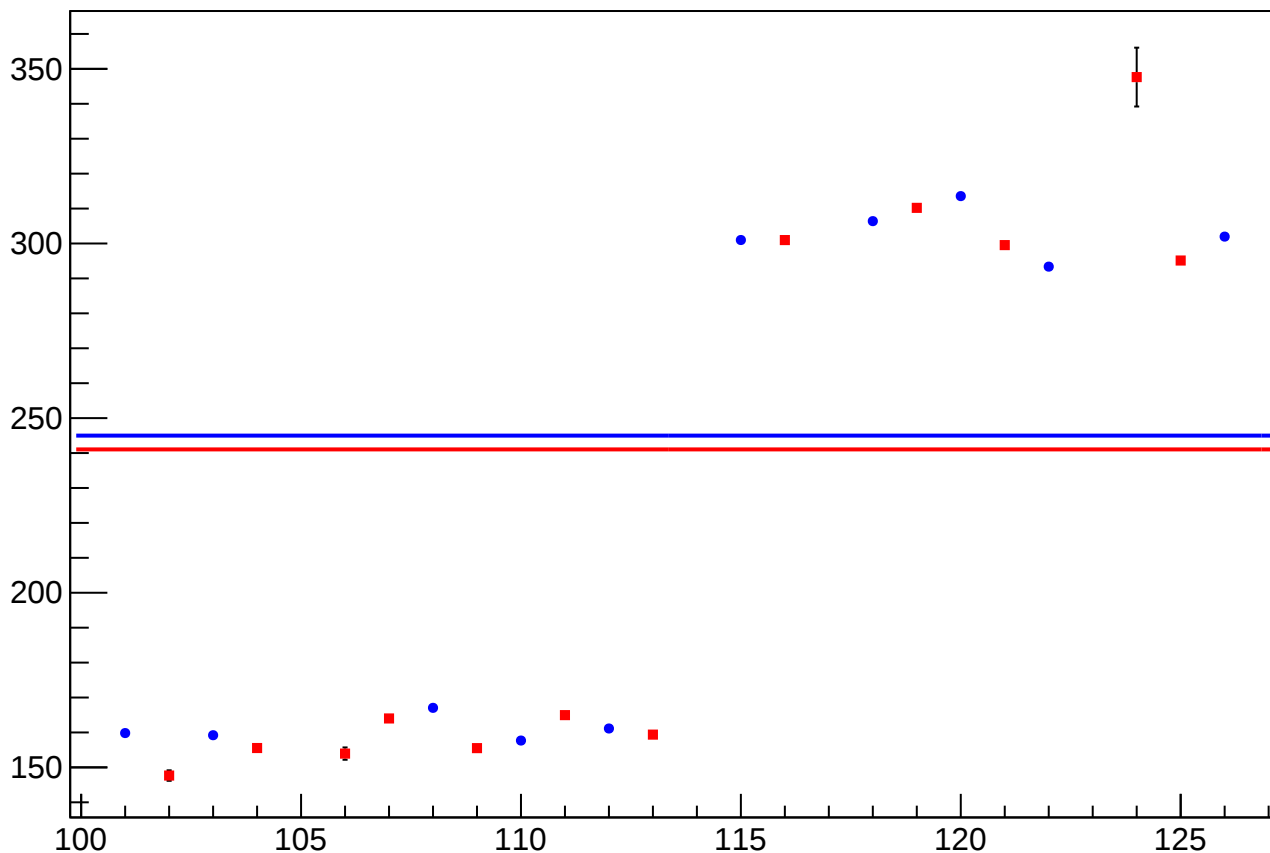
Right:  $-21.131 \pm 0.024$   $\chi^2/\text{NDF}: 193773.5/21$

In:  $-21.463 \pm 0.033$   $\chi^2/\text{NDF}: 94527.3/9$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-21.131 \pm 0.024$   $\chi^2/\text{NDF}: 193773.5/21$

# dit\_sam4\_4eY\_slope vs Slug, Sign Corrected



Right In: 244.991+/-0.089  $\chi^2/\text{NDF}$ : 590453.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 241.042+/-0.077  $\chi^2/\text{NDF}$ : 818948.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

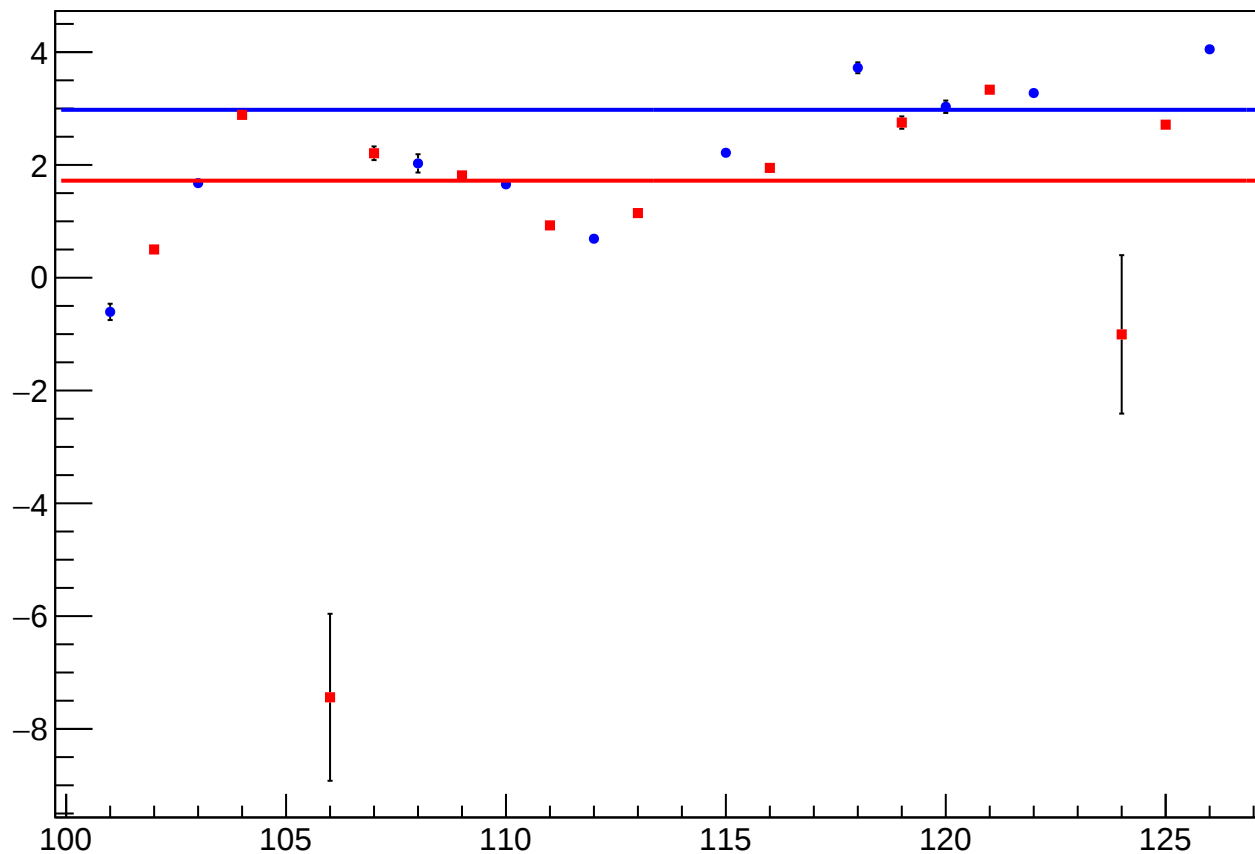
Right: 242.734+/-0.059  $\chi^2/\text{NDF}$ : 1410515.2/21

In: 244.991+/-0.089  $\chi^2/\text{NDF}$ : 590453.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 242.734+/-0.059  $\chi^2/\text{NDF}$ : 1410515.2/21

# dit\_sam5\_4aX\_slope vs Slug, Sign Corrected



Right In: 2.977+/-0.018  $\chi^2/\text{NDF}$ : 4398.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.721+/-0.014  $\chi^2/\text{NDF}$ : 3095.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

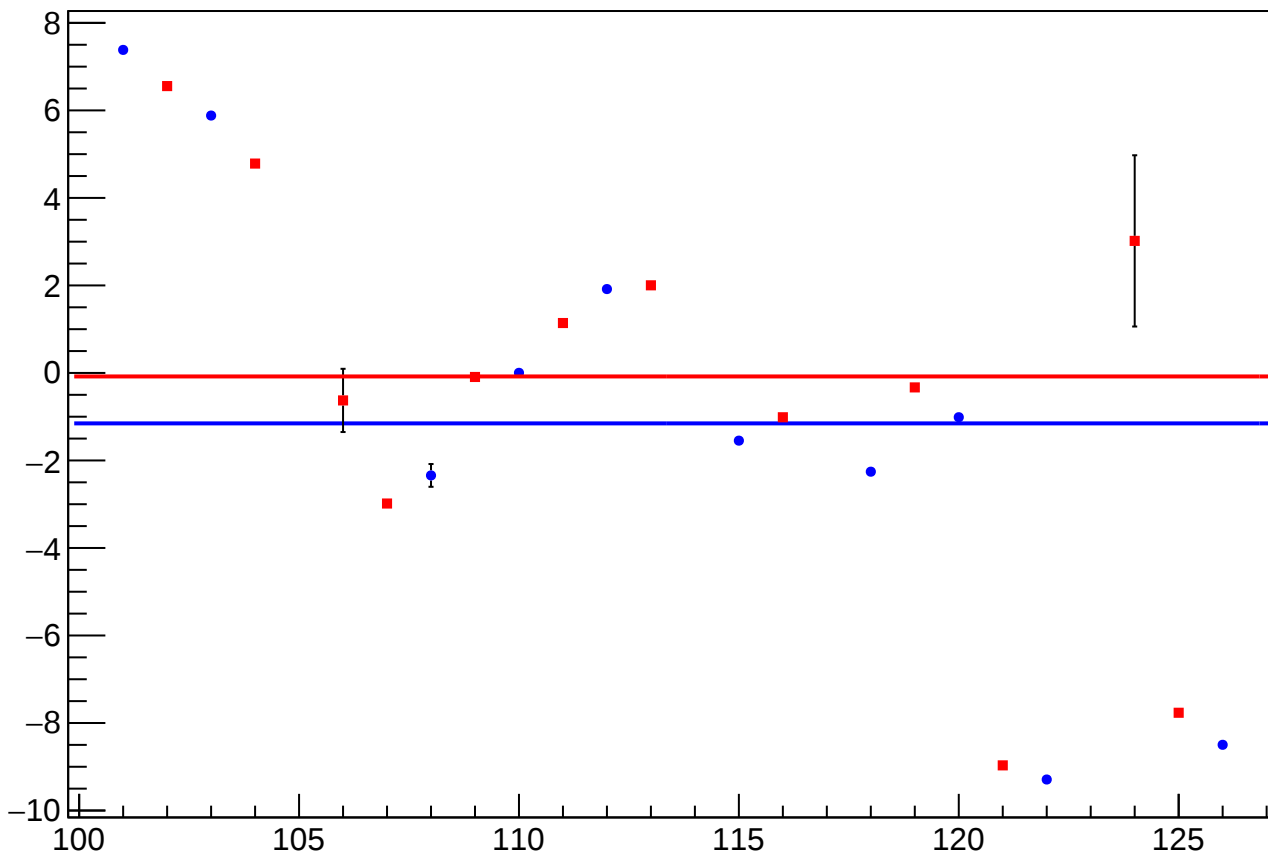
Right: 2.205+/-0.011  $\chi^2/\text{NDF}$ : 10631.0/21

In: 2.977+/-0.018  $\chi^2/\text{NDF}$ : 4398.7/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.205+/-0.011  $\chi^2/\text{NDF}$ : 10631.0/21

# dit\_sam5\_4eX\_slope vs Slug, Sign Corrected



Right In: -1.153+/-0.016  $\chi^2/\text{NDF}$ : 198027.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.080+/-0.013  $\chi^2/\text{NDF}$ : 131202.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

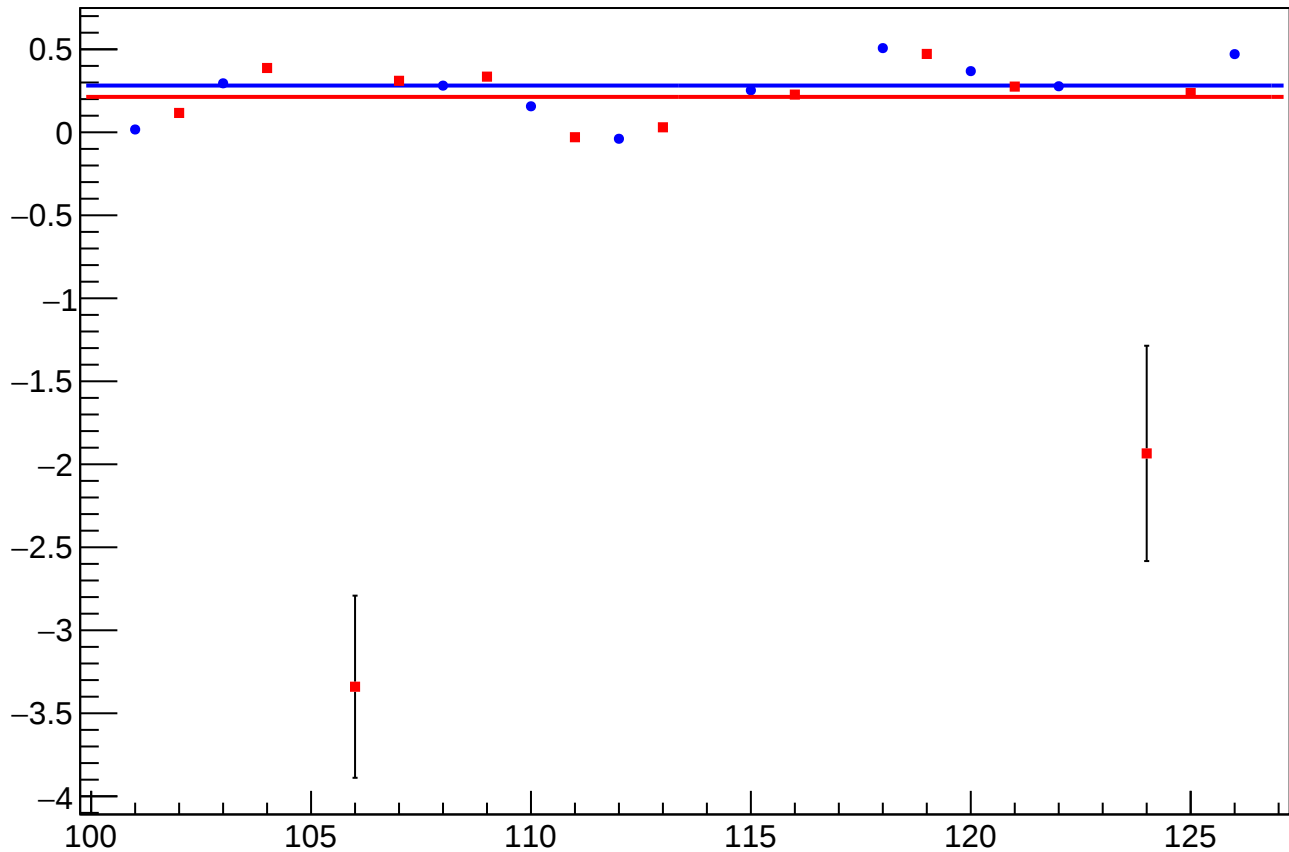
Right: -0.525+/-0.010  $\chi^2/\text{NDF}$ : 331916.1/21

In: -1.153+/-0.016  $\chi^2/\text{NDF}$ : 198027.1/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.525+/-0.010  $\chi^2/\text{NDF}$ : 331916.1/21

dit\_sam5\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $0.282 \pm 0.003$   $\chi^2/\text{NDF}: 989.6/9$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.213 \pm 0.003$   $\chi^2/\text{NDF}: 3775.2/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

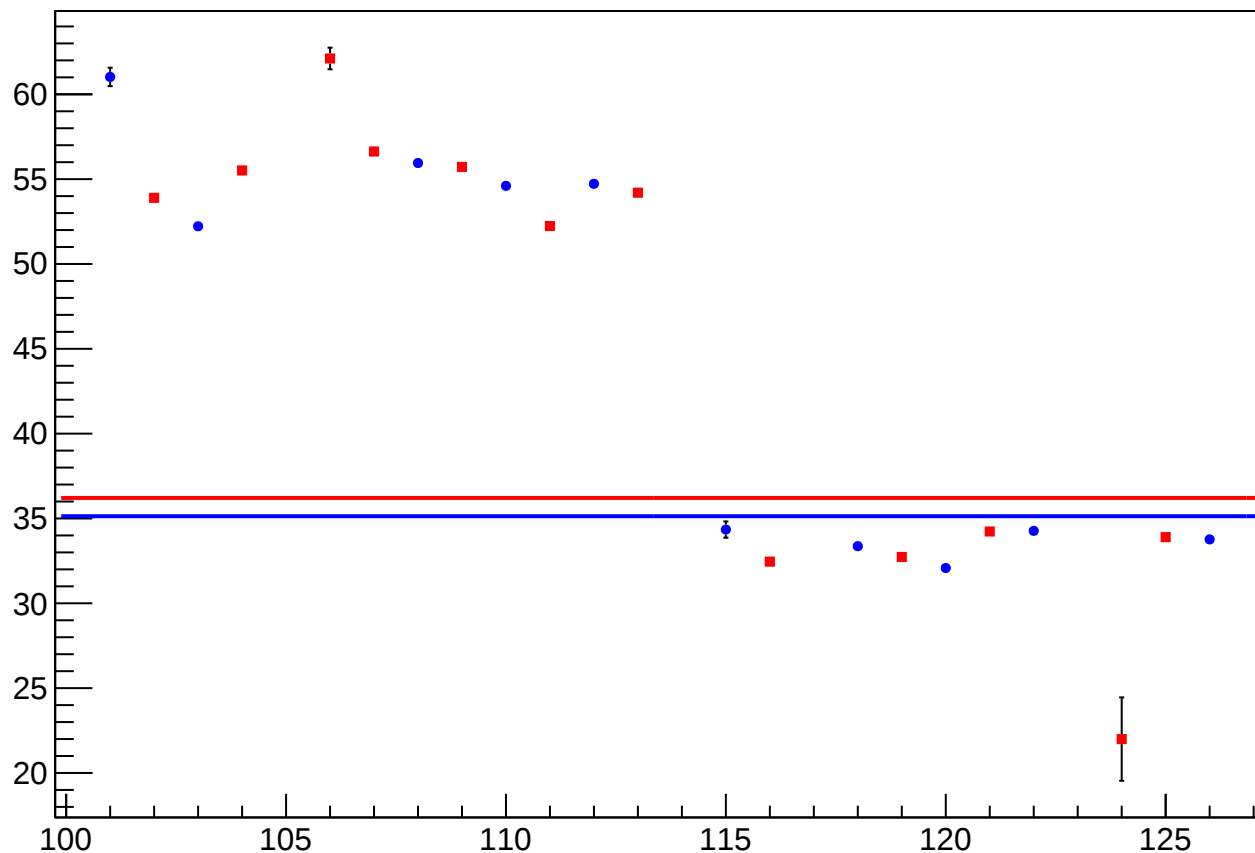
Right:  $0.239 \pm 0.002$   $\chi^2/\text{NDF}: 5030.4/21$

In:  $0.282 \pm 0.003$   $\chi^2/\text{NDF}: 989.6/9$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $0.239 \pm 0.002$   $\chi^2/\text{NDF}: 5030.4/21$

# dit\_sam5\_4aY\_slope vs Slug, Sign Corrected



Right In: 35.133+/-0.010  $\chi^2/\text{NDF}$ : 242655.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 36.211+/-0.014  $\chi^2/\text{NDF}$ : 251208.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

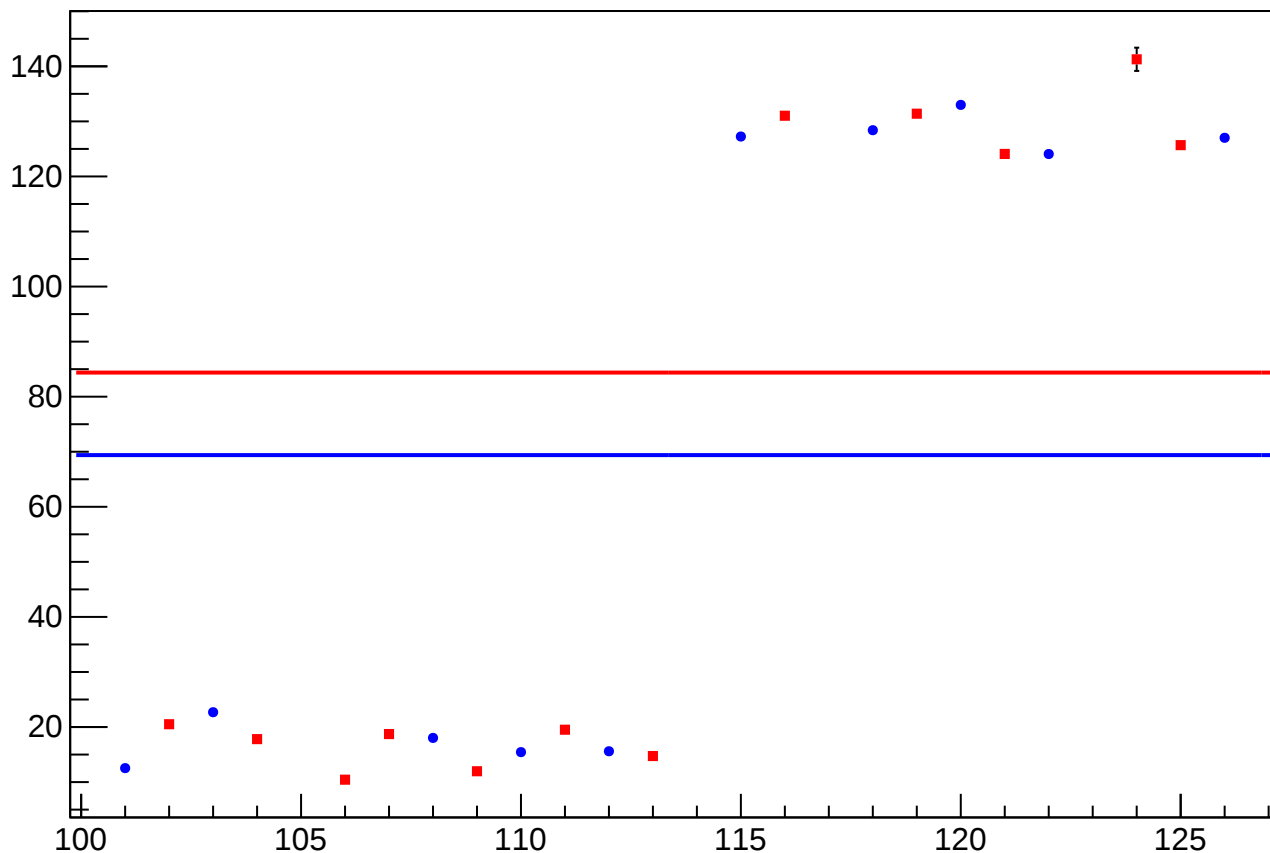
Right: 35.535+/-0.008  $\chi^2/\text{NDF}$ : 497848.4/21

In: 35.133+/-0.010  $\chi^2/\text{NDF}$ : 242655.1/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 35.535+/-0.008  $\chi^2/\text{NDF}$ : 497848.4/21

# dit\_sam5\_4eY\_slope vs Slug, Sign Corrected



Right In: 69.390+/-0.036  $\chi^2/\text{NDF}$ : 2270859.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 84.379+/-0.034  $\chi^2/\text{NDF}$ : 2569240.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

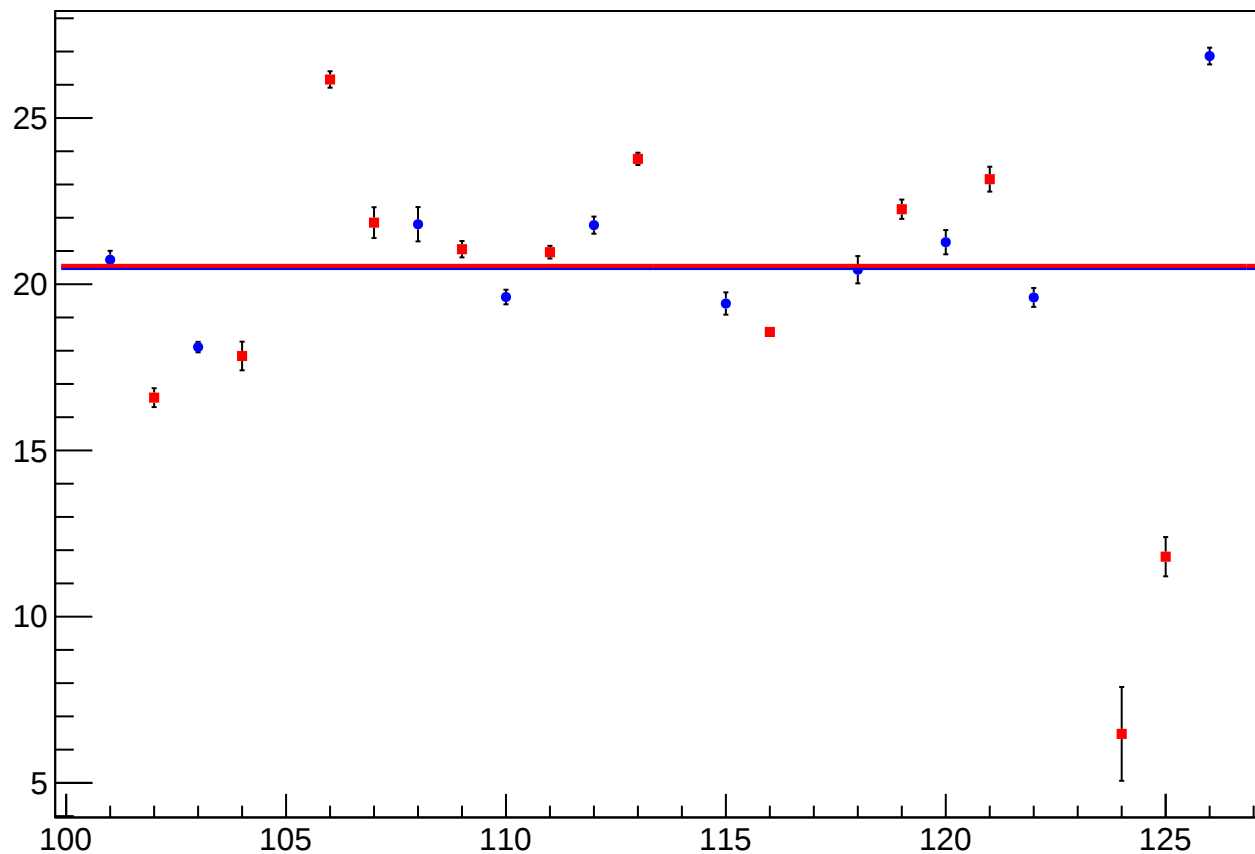
Right: 77.159+/-0.025  $\chi^2/\text{NDF}$ : 4931301.7/21

In: 69.390+/-0.036  $\chi^2/\text{NDF}$ : 2270859.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 77.159+/-0.025  $\chi^2/\text{NDF}$ : 4931301.7/21

# dit\_sam6\_4aX\_slope vs Slug, Sign Corrected



Right In: 20.486+/-0.083  $\chi^2$ /NDF: 937.8/9

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 20.554+/-0.069  $\chi^2$ /NDF: 1781.0/11

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

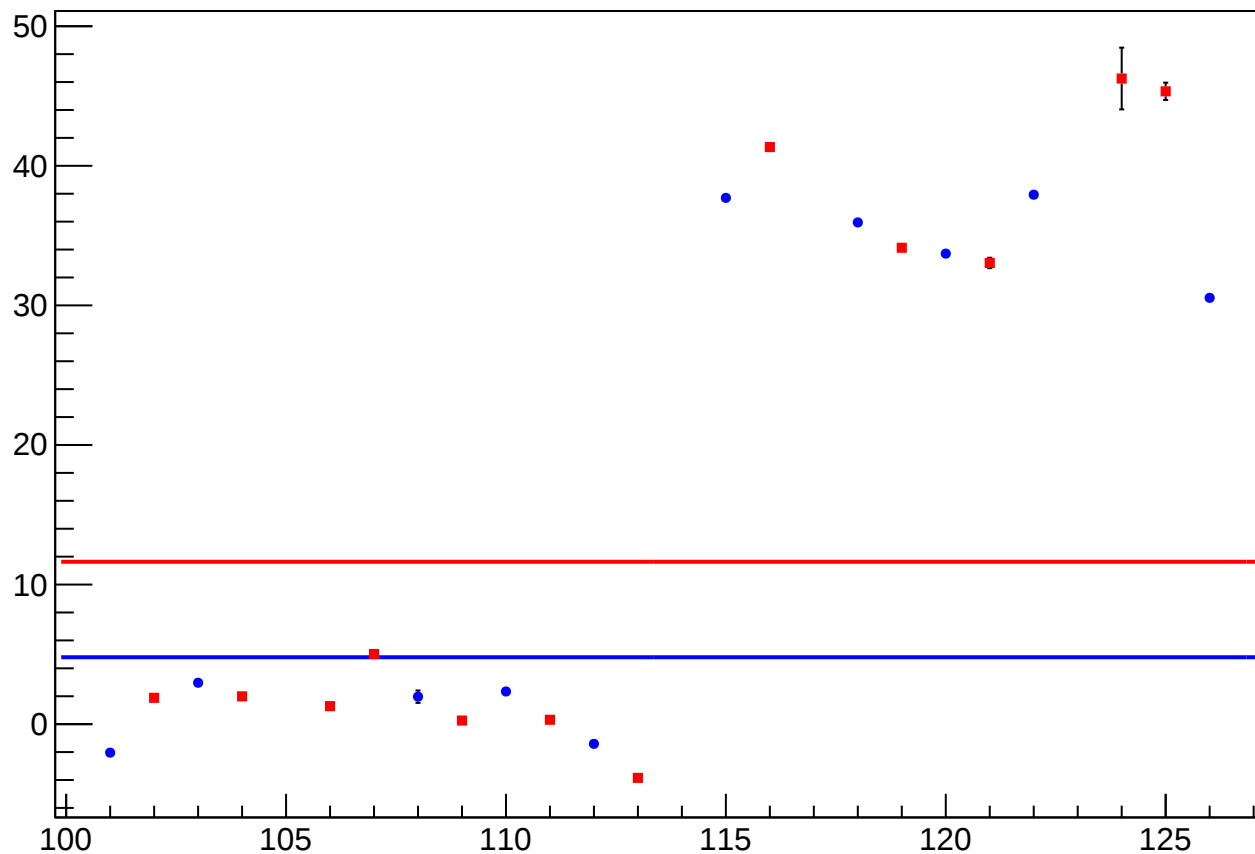
Right: 20.526+/-0.053  $\chi^2$ /NDF: 2719.1/21

In: 20.486+/-0.083  $\chi^2$ /NDF:937.8/9

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 20.526+/-0.053  $\chi^2$ /NDF: 2719.1/21

# dit\_sam6\_4eX\_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.048     $\chi^2/\text{NDF}$ : 58382.9/9

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.634+/-0.065     $\chi^2/\text{NDF}$ : 72708.1/11

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

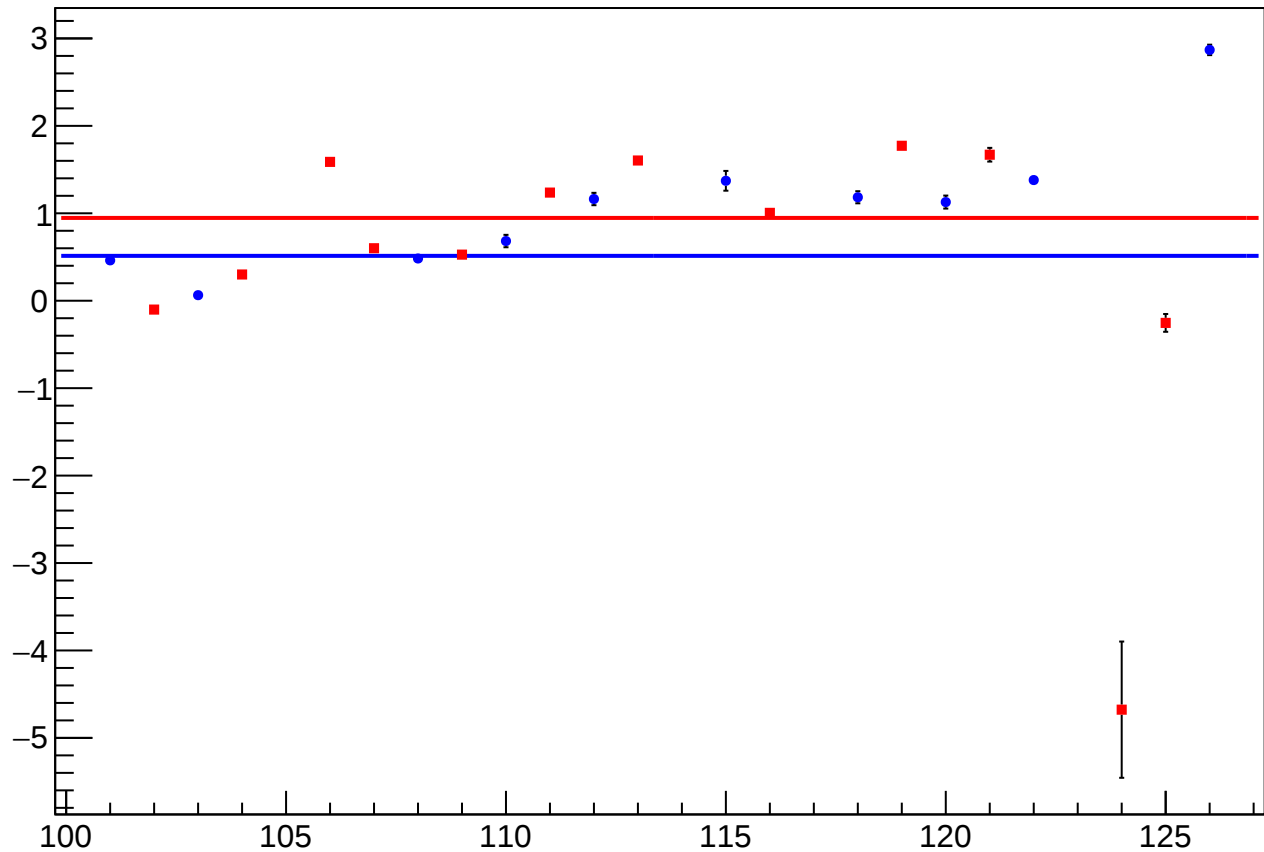
Right: 7.195+/-0.038     $\chi^2/\text{NDF}$ : 138320.2/21

In: 4.794+/-0.048     $\chi^2/\text{NDF}$ : 58382.9/9

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 7.195+/-0.038     $\chi^2/\text{NDF}$ : 138320.2/21

# dit\_sam6\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.513+/-0.012  $\chi^2/\text{NDF}$ : 2768.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.947+/-0.010  $\chi^2/\text{NDF}$ : 2070.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

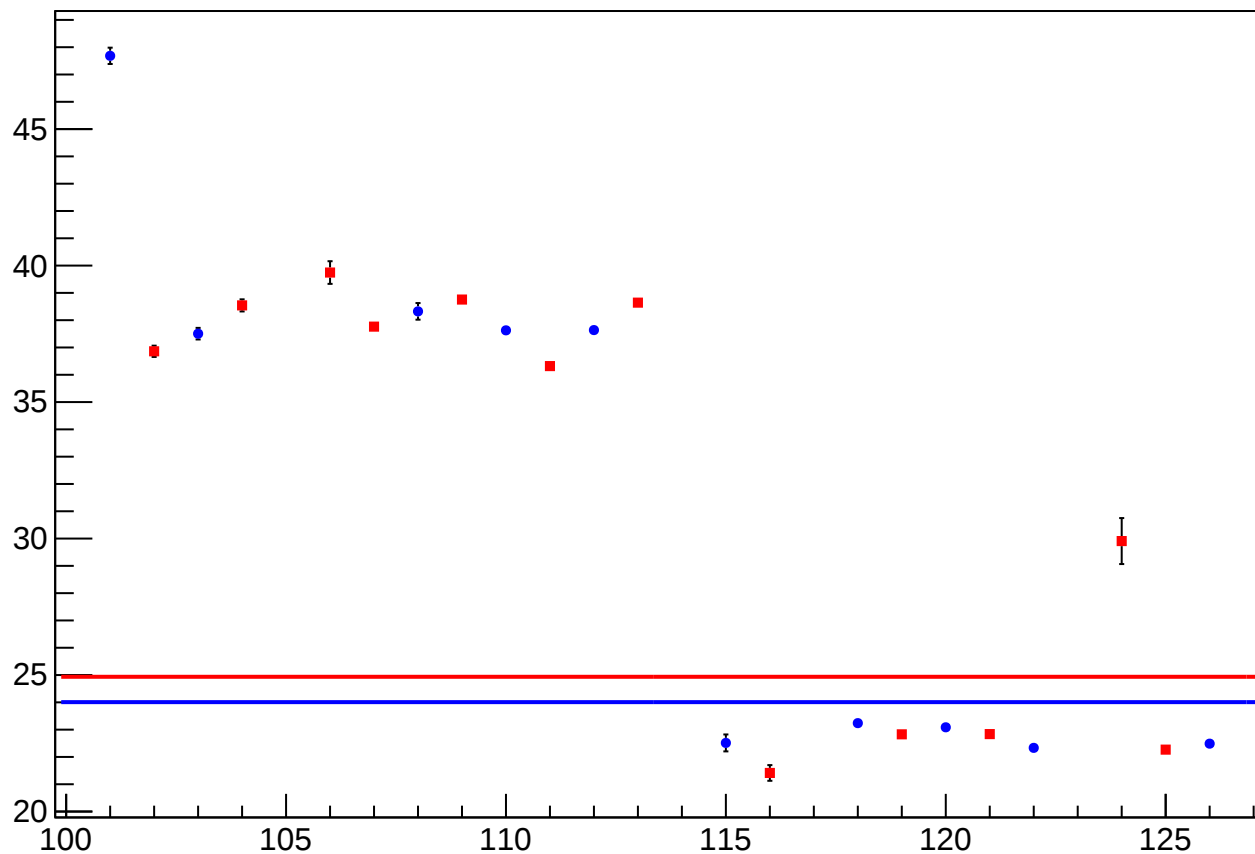
Right: 0.785+/-0.008  $\chi^2/\text{NDF}$ : 5610.0/21

In: 0.513+/-0.012  $\chi^2/\text{NDF}$ : 2768.7/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.785+/-0.008  $\chi^2/\text{NDF}$ : 5610.0/21

# dit\_sam6\_4aY\_slope vs Slug, Sign Corrected



Right In: 24.008 $\pm$ 0.015  $\chi^2$ /NDF: 73252.5/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 24.936 $\pm$ 0.016  $\chi^2$ /NDF: 109540.8/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

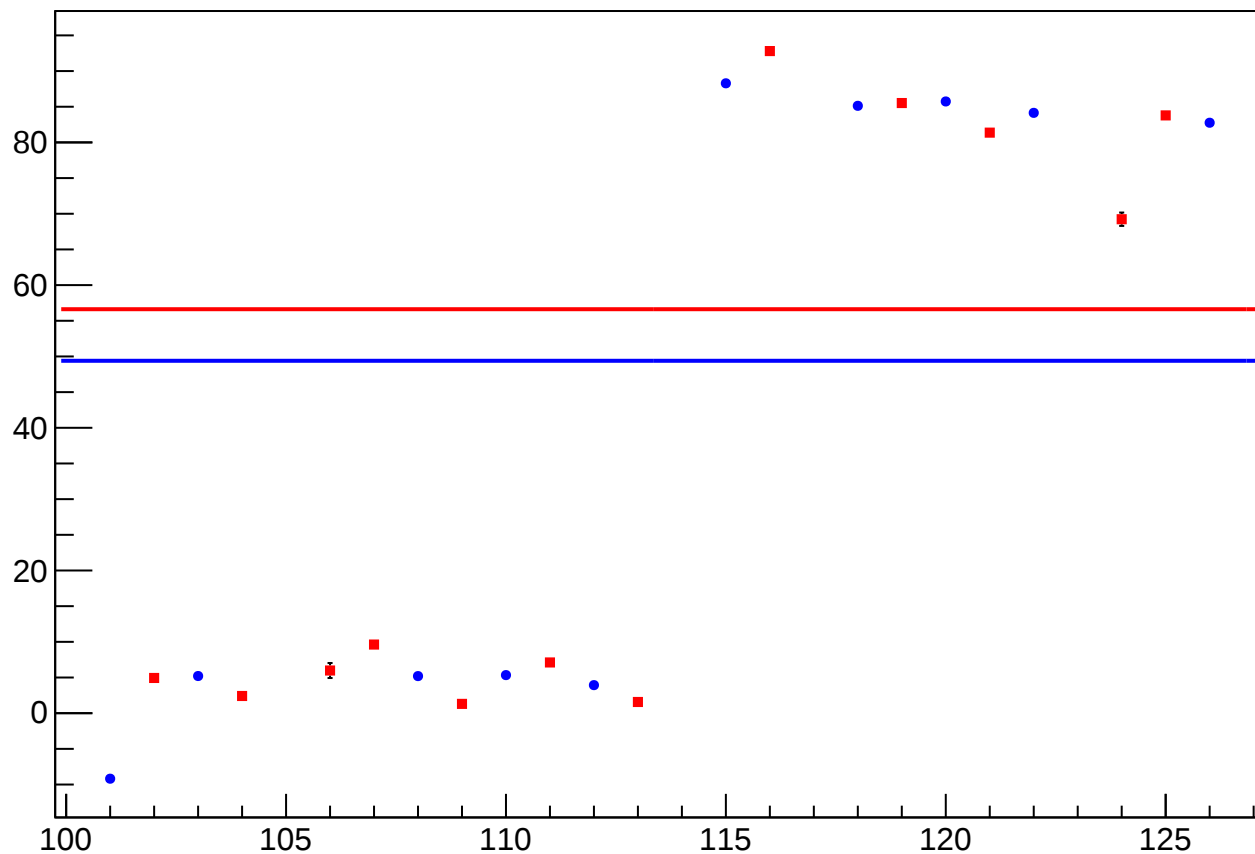
Right: 24.438 $\pm$ 0.011  $\chi^2$ /NDF: 184537.5/21

In: 24.008 $\pm$ 0.015  $\chi^2$ /NDF:73252.5/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 24.438 $\pm$ 0.011  $\chi^2$ /NDF: 184537.5/21

# dit\_sam6\_4eY\_slope vs Slug, Sign Corrected



Right In: 49.392+/-0.038  $\chi^2/\text{NDF}$ : 1082443.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 56.622+/-0.035  $\chi^2/\text{NDF}$ : 1147867.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

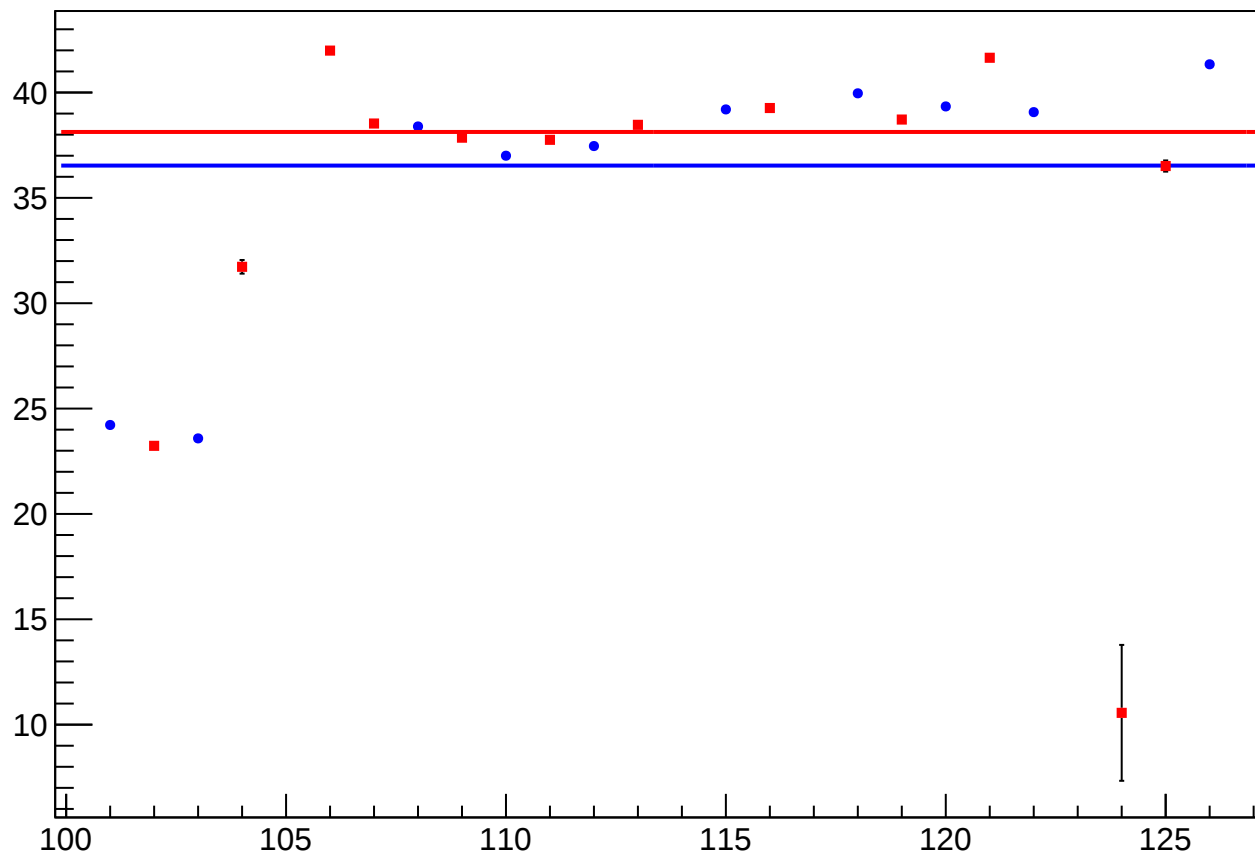
Right: 53.302+/-0.026  $\chi^2/\text{NDF}$ : 2249388.2/21

In: 49.392+/-0.038  $\chi^2/\text{NDF}$ : 1082443.2/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 53.302+/-0.026  $\chi^2/\text{NDF}$ : 2249388.2/21

# dit\_sam7\_4aX\_slope vs Slug, Sign Corrected



Right In: 36.532+/-0.027  $\chi^2/\text{NDF}$ : 55790.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 38.128+/-0.021  $\chi^2/\text{NDF}$ : 17074.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

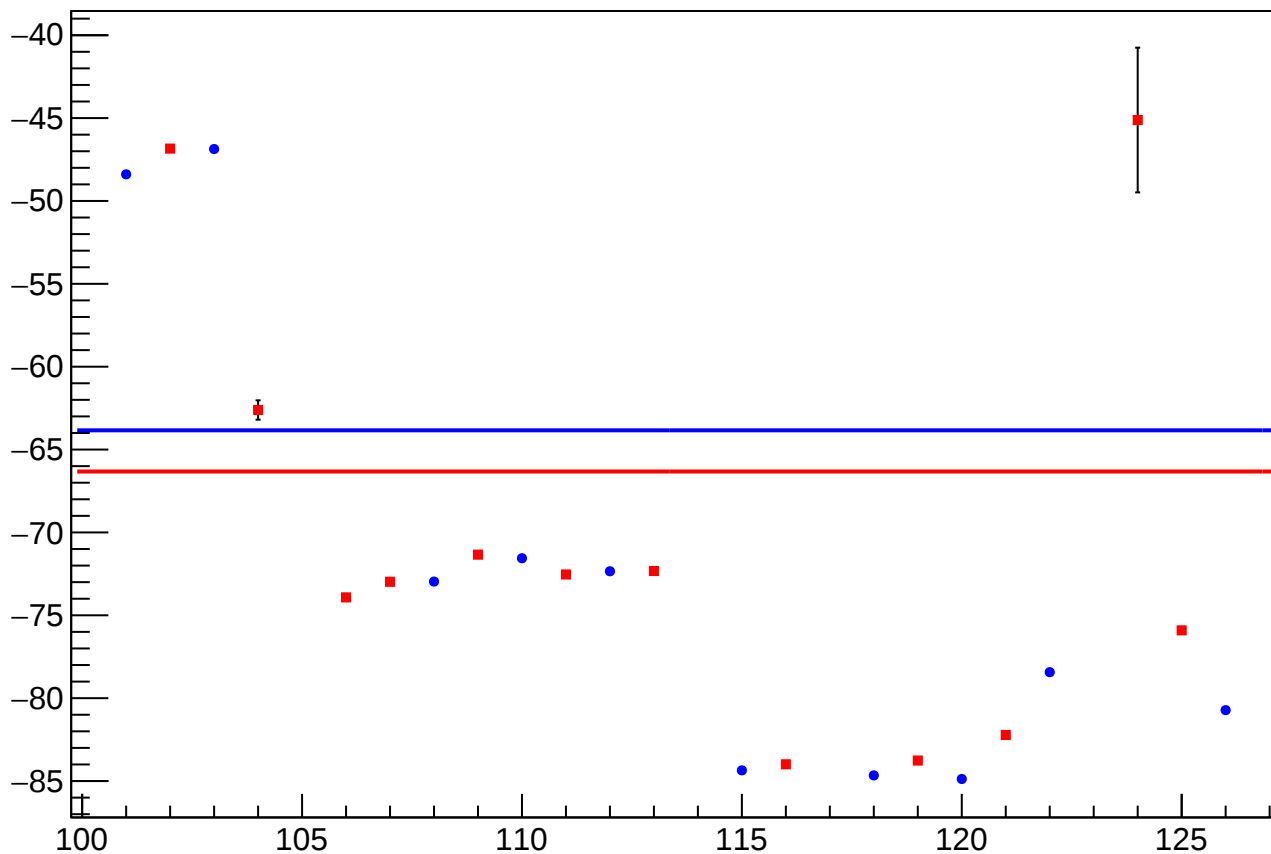
Right: 37.519+/-0.017  $\chi^2/\text{NDF}$ : 75046.1/21

In: 36.532+/-0.027  $\chi^2/\text{NDF}$ : 55790.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 37.519+/-0.017  $\chi^2/\text{NDF}$ : 75046.1/21

# dit\_sam7\_4eX\_slope vs Slug, Sign Corrected



Right In: -63.840 $\pm$ 0.018  $\chi^2$ /NDF: 803901.8/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -66.324 $\pm$ 0.016  $\chi^2$ /NDF: 782462.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

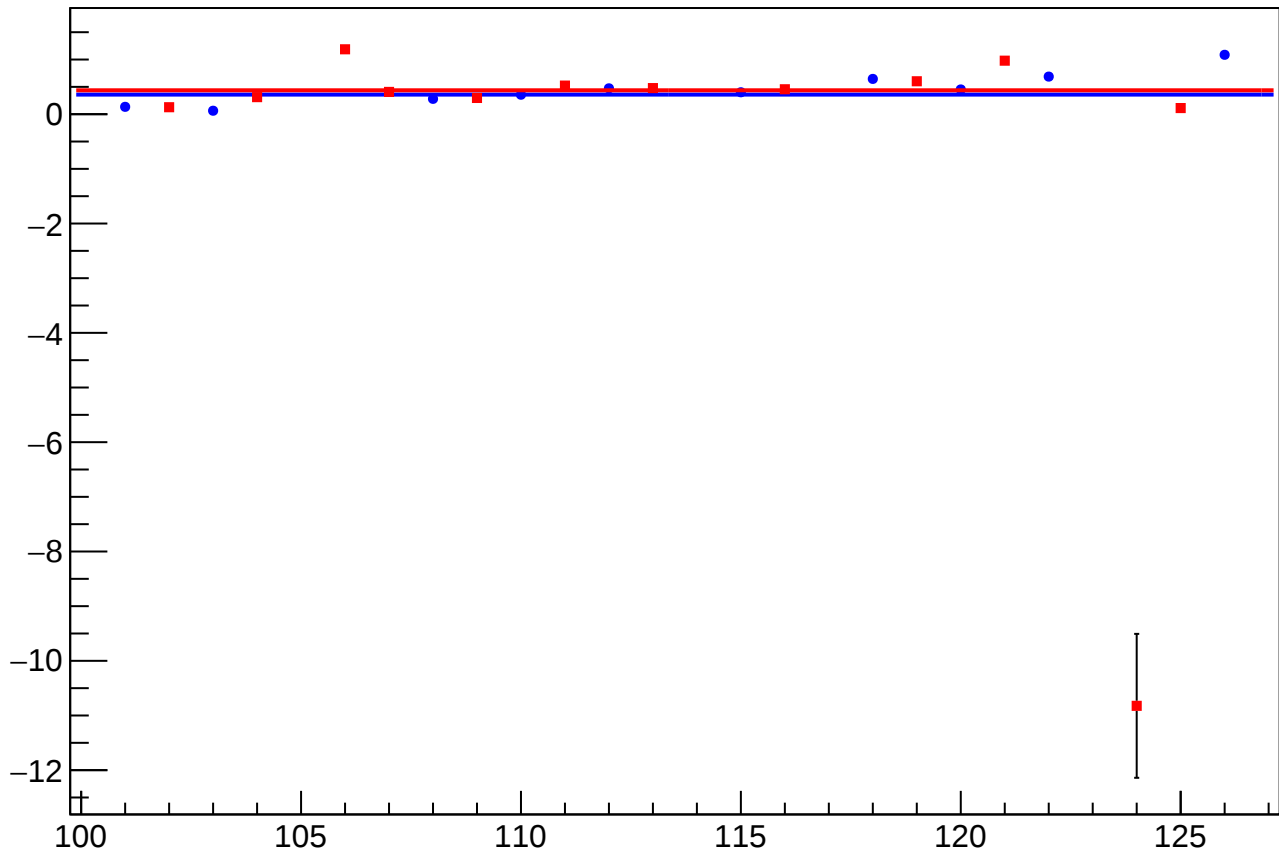
Right: -65.217 $\pm$ 0.012  $\chi^2$ /NDF: 1597022.8/21

In: -63.840 $\pm$ 0.018  $\chi^2$ /NDF:803901.8/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -65.217 $\pm$ 0.012  $\chi^2$ /NDF: 1597022.8/21

dit\_sam7\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.359+/-0.004     $\chi^2/\text{NDF}$ : 6344.9/9

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.437+/-0.004     $\chi^2/\text{NDF}$ : 1257.7/11

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

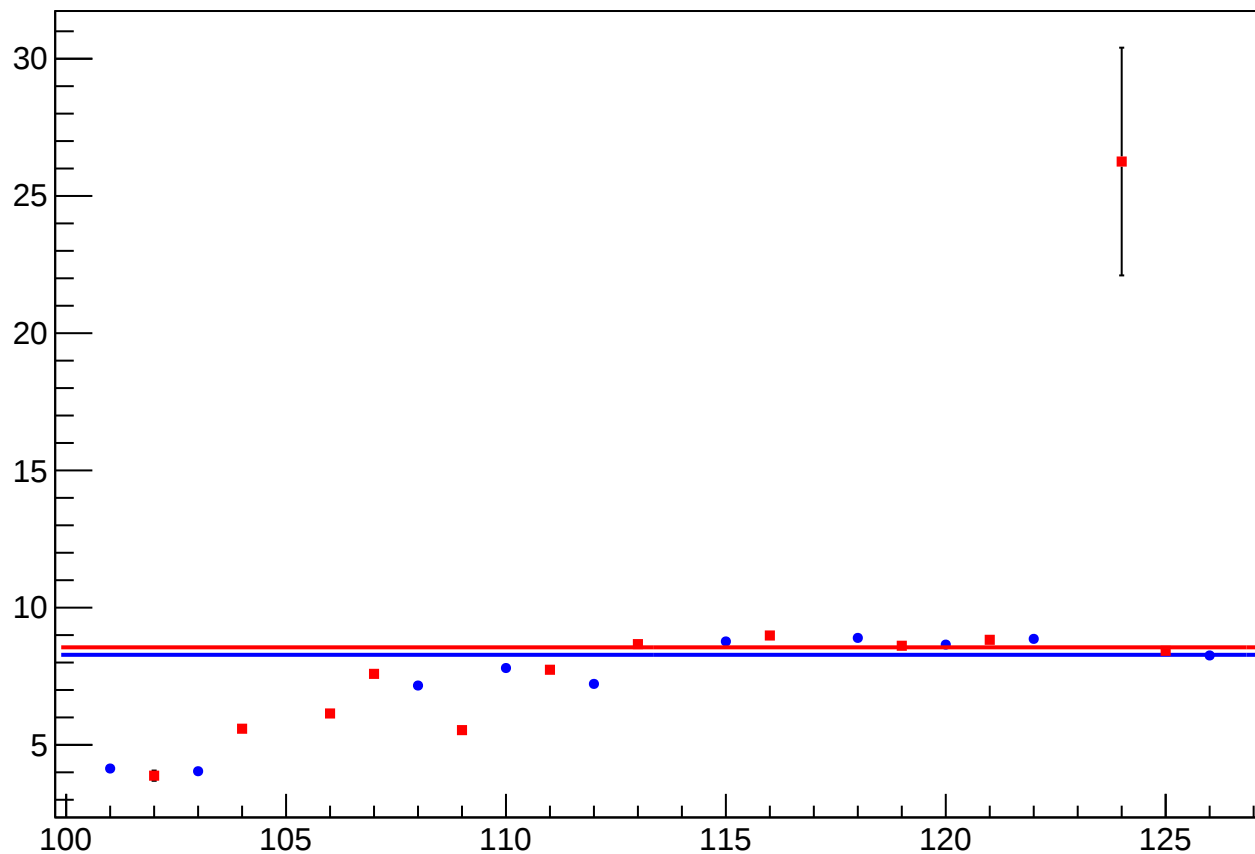
Right: 0.395+/-0.003     $\chi^2/\text{NDF}$ : 7812.1/21

In: 0.359+/-0.004     $\chi^2/\text{NDF}$ : 6344.9/9

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.395+/-0.003     $\chi^2/\text{NDF}$ : 7812.1/21

# dit\_sam7\_4aY\_slope vs Slug, Sign Corrected



Right In: 8.281+/-0.008  $\chi^2/\text{NDF}$ : 23048.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.554+/-0.007  $\chi^2/\text{NDF}$ : 8205.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

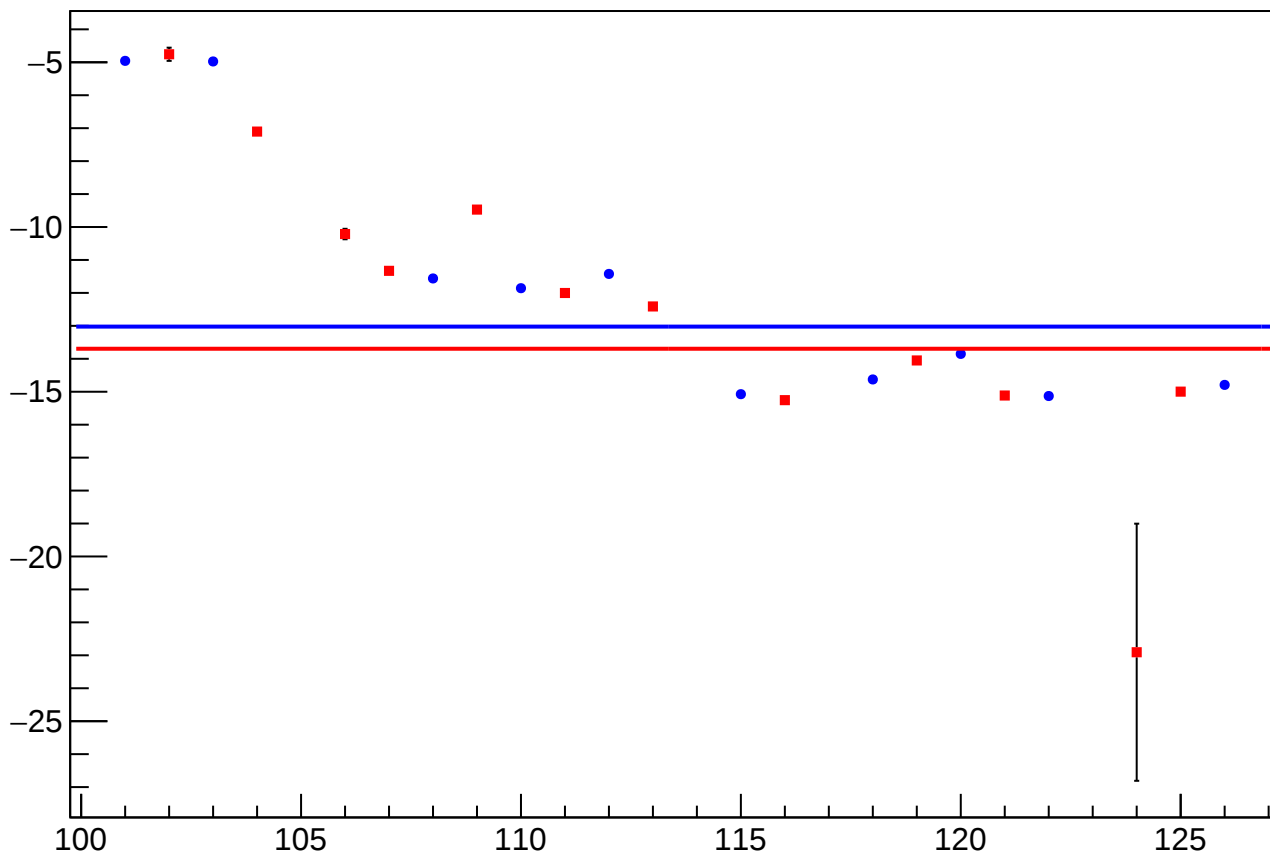
Right: 8.421+/-0.005  $\chi^2/\text{NDF}$ : 31919.2/21

In: 8.281+/-0.008  $\chi^2/\text{NDF}$ : 23048.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.421+/-0.005  $\chi^2/\text{NDF}$ : 31919.2/21

# dit\_sam7\_4eY\_slope vs Slug, Sign Corrected



Right In: -13.023+/-0.011  $\chi^2/\text{NDF}$ : 72840.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -13.695+/-0.009  $\chi^2/\text{NDF}$ : 34296.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

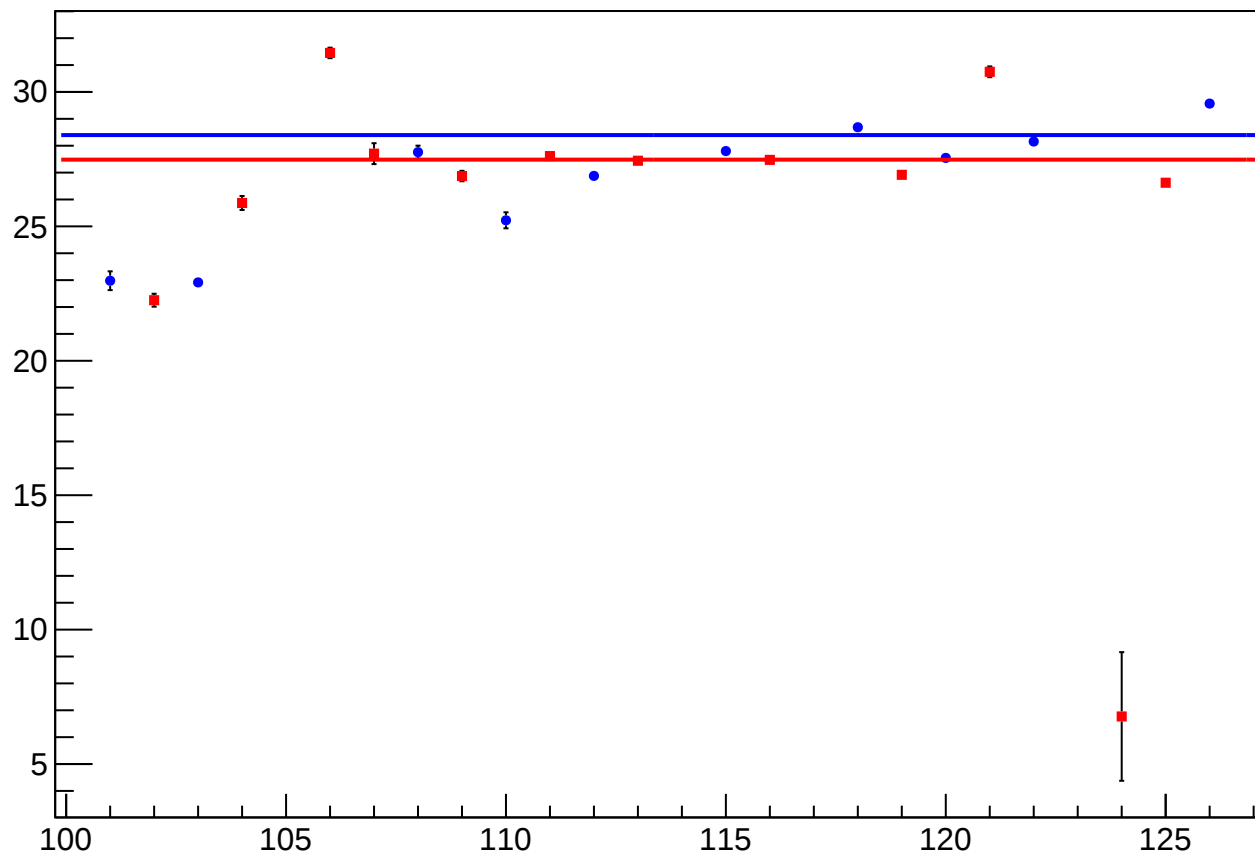
Right: -13.435+/-0.007  $\chi^2/\text{NDF}$ : 109556.4/21

In: -13.023+/-0.011  $\chi^2/\text{NDF}$ : 72840.8/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -13.435+/-0.007  $\chi^2/\text{NDF}$ : 109556.4/21

# dit\_sam8\_4aX\_slope vs Slug, Sign Corrected



Right In: 28.396 $\pm$ 0.027  $\chi^2$ /NDF: 2985.1/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 27.482 $\pm$ 0.038  $\chi^2$ /NDF: 1322.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

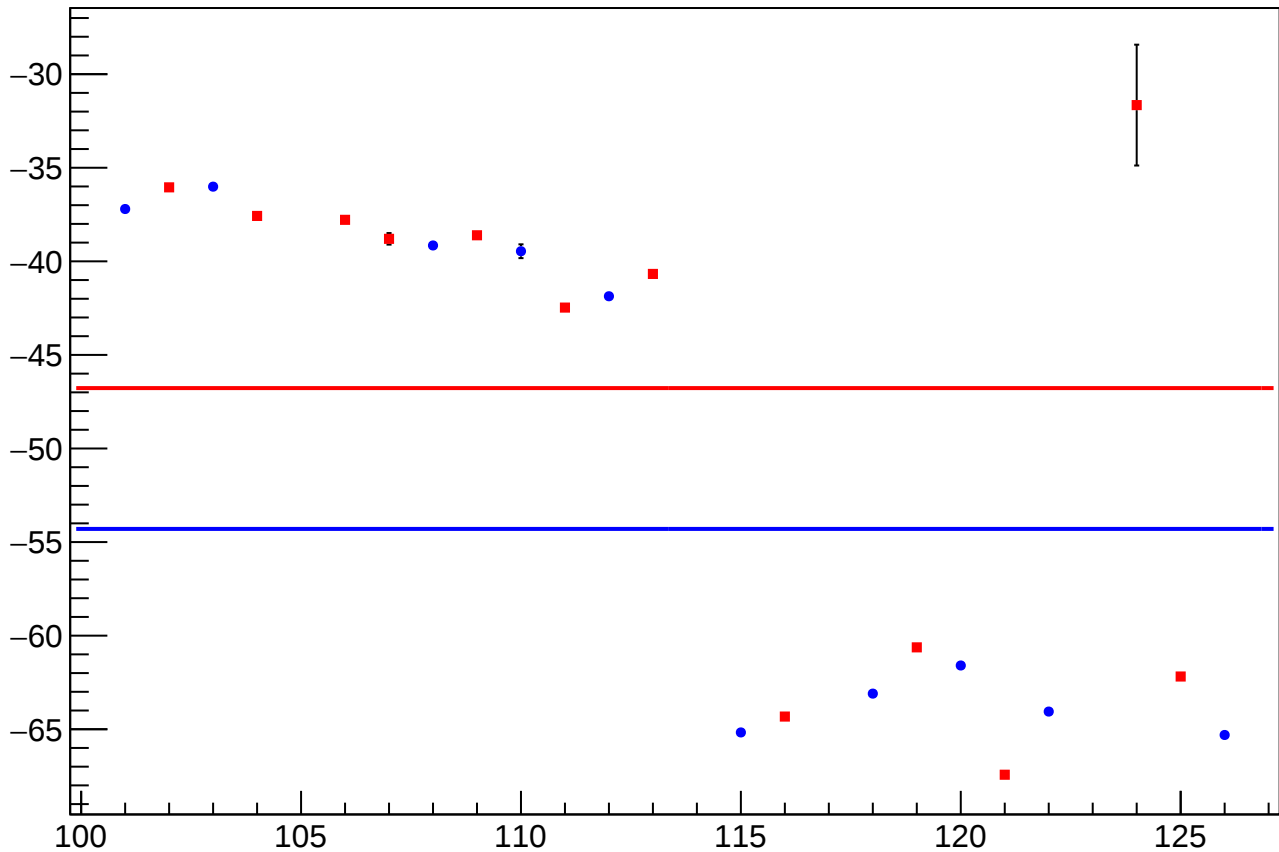
Right: 28.078 $\pm$ 0.022  $\chi^2$ /NDF: 4692.4/21

In: 28.396 $\pm$ 0.027  $\chi^2$ /NDF:2985.1/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 28.078 $\pm$ 0.022  $\chi^2$ /NDF: 4692.4/21

# dit\_sam8\_4eX\_slope vs Slug, Sign Corrected



Right In: -54.297 $\pm$ 0.018  $\chi^2$ /NDF: 565956.9/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -46.773 $\pm$ 0.026  $\chi^2$ /NDF: 256400.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

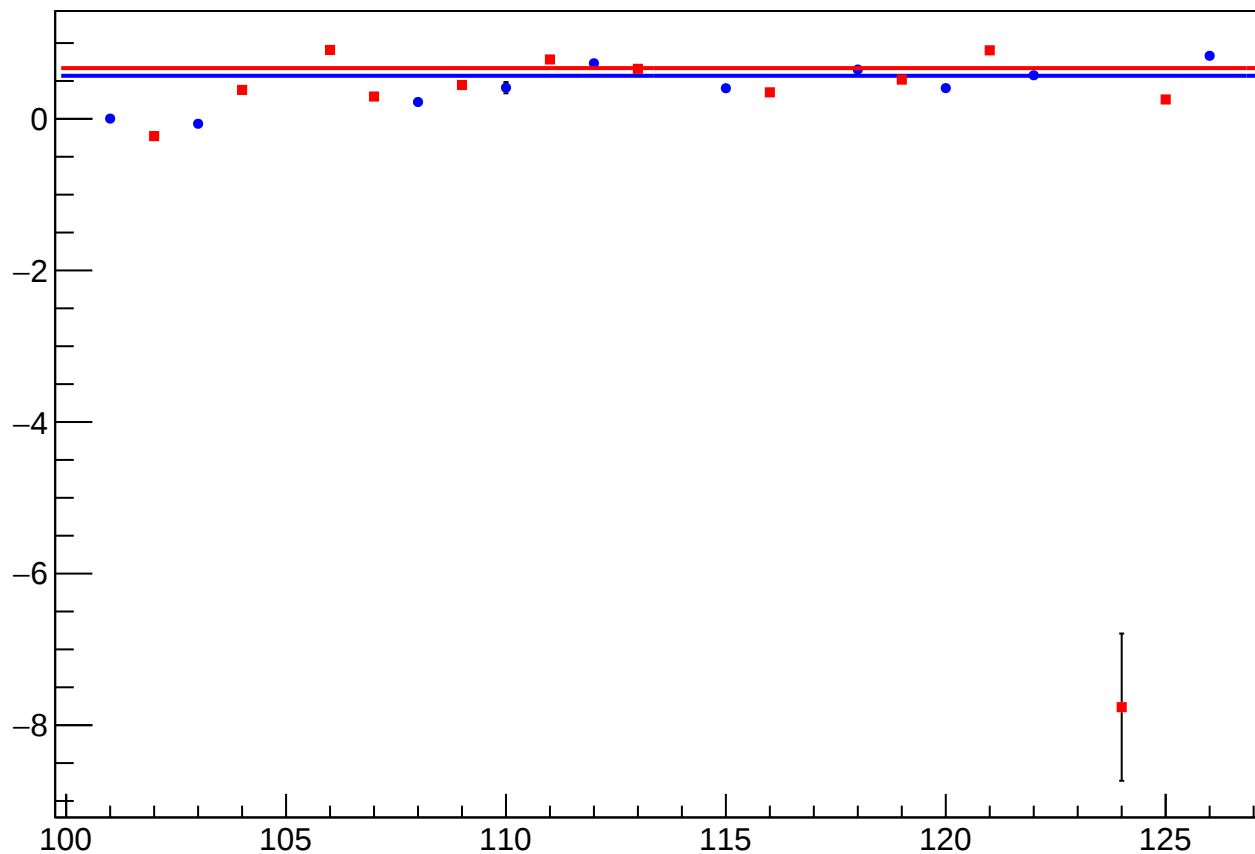
Right: -51.830 $\pm$ 0.015  $\chi^2$ /NDF: 879469.1/21

In: -54.297 $\pm$ 0.018  $\chi^2$ /NDF:565956.9/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -51.830 $\pm$ 0.015  $\chi^2$ /NDF: 879469.1/21

dit\_sam8\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.568+/-0.005  $\chi^2/\text{NDF}$ : 2638.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.670+/-0.005  $\chi^2/\text{NDF}$ : 2527.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

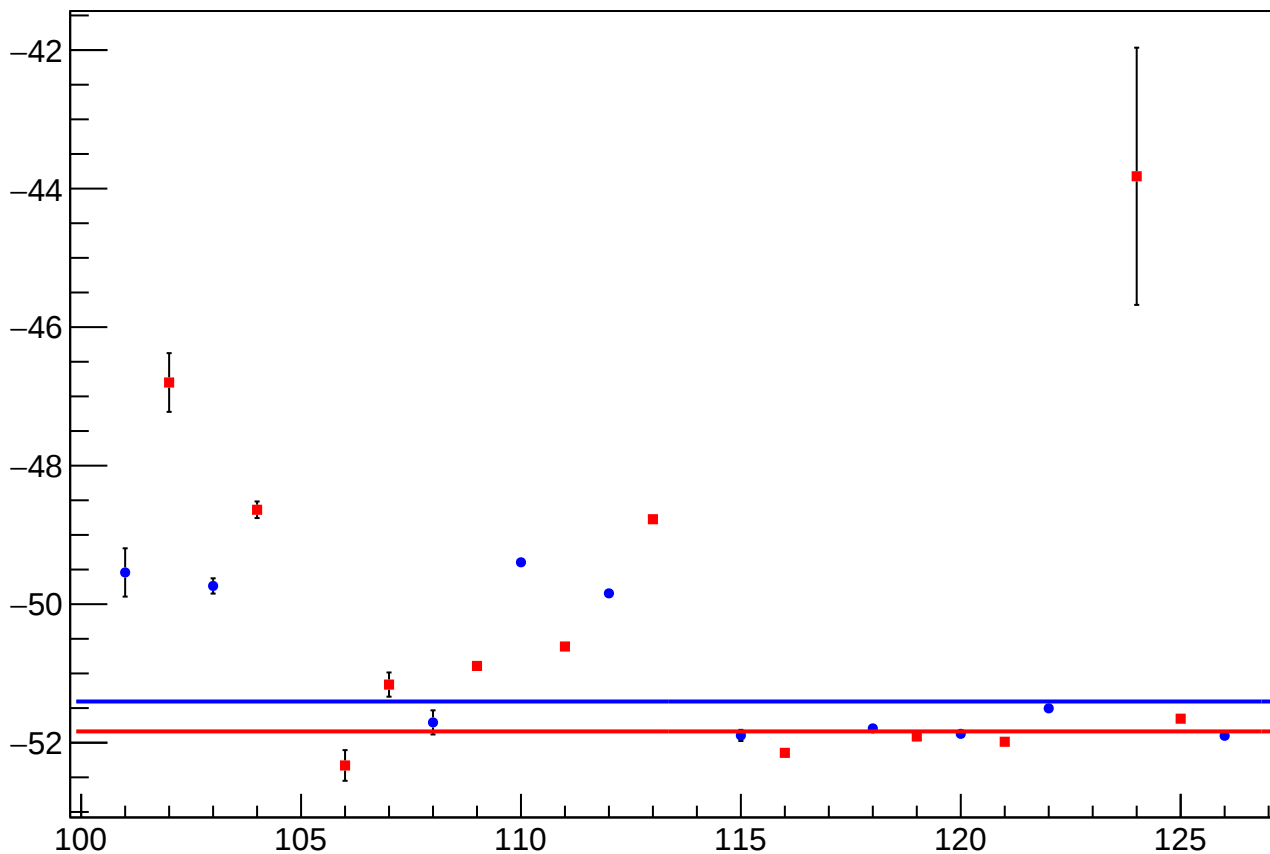
Right: 0.621+/-0.004  $\chi^2/\text{NDF}$ : 5354.4/21

In: 0.568+/-0.005  $\chi^2/\text{NDF}$ : 2638.2/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.621+/-0.004  $\chi^2/\text{NDF}$ : 5354.4/21

# dit\_sam8\_4aY\_slope vs Slug, Sign Corrected



Right In: -51.405 $\pm$ 0.009  $\chi^2$ /NDF: 6213.9/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -51.837 $\pm$ 0.008  $\chi^2$ /NDF: 3780.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

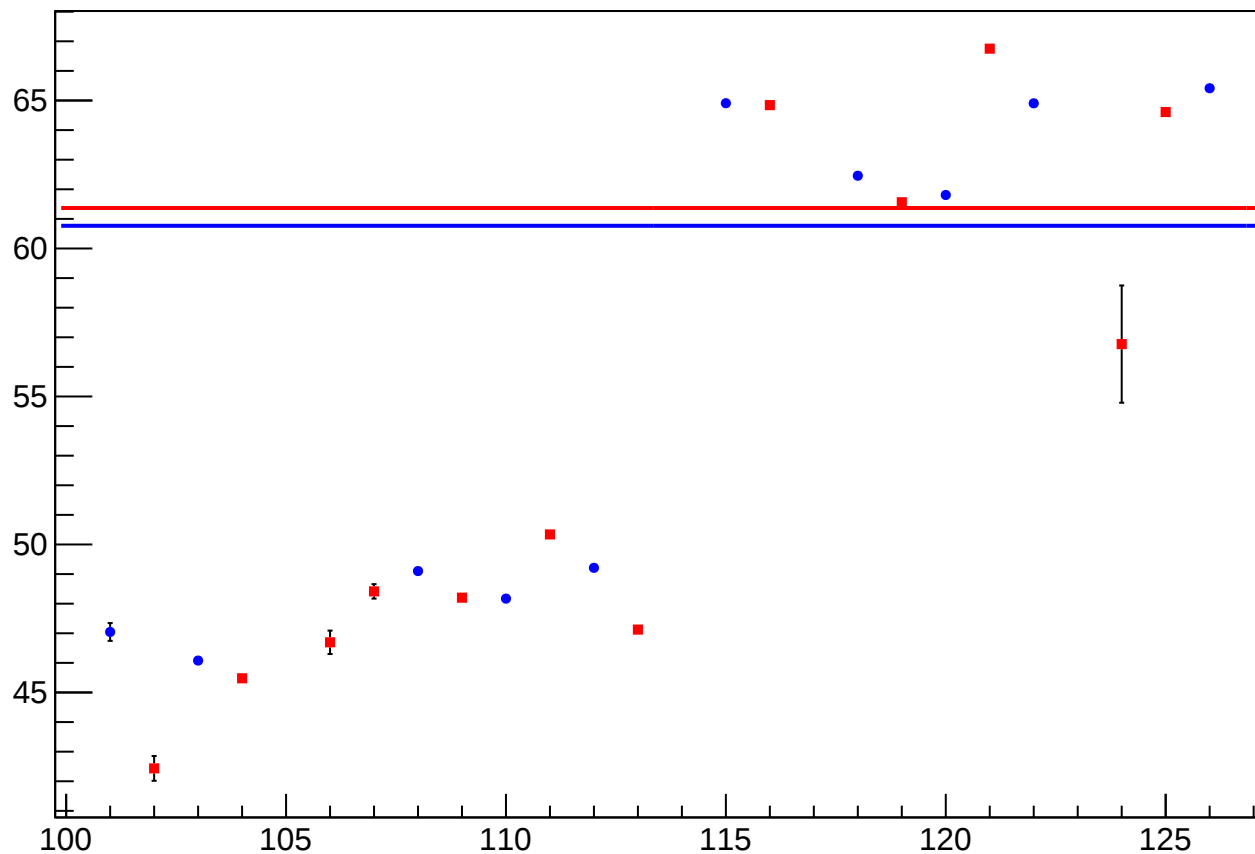
Right: -51.649 $\pm$ 0.006  $\chi^2$ /NDF: 11361.5/21

In: -51.405 $\pm$ 0.009  $\chi^2$ /NDF:6213.9/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -51.649 $\pm$ 0.006  $\chi^2$ /NDF: 11361.5/21

# dit\_sam8\_4eY\_slope vs Slug, Sign Corrected



Right In: 60.767+/-0.018  $\chi^2/\text{NDF}$ : 126508.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 61.368+/-0.012  $\chi^2/\text{NDF}$ : 191672.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 61.177+/-0.010  $\chi^2/\text{NDF}$ : 318977.8/21

In: 60.767+/-0.018  $\chi^2/\text{NDF}$ : 126508.1/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 61.177+/-0.010  $\chi^2/\text{NDF}$ : 318977.8/21

# dit\_4aX\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

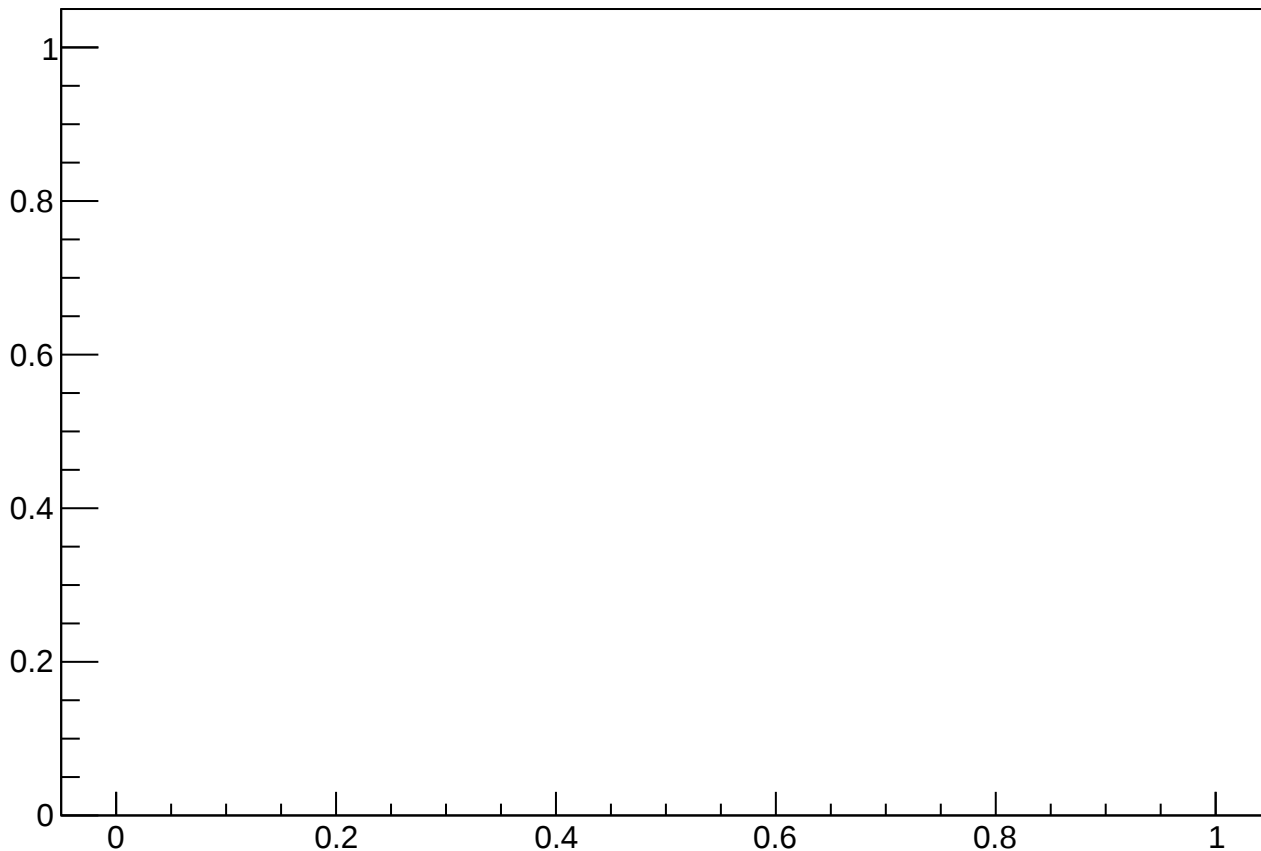
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

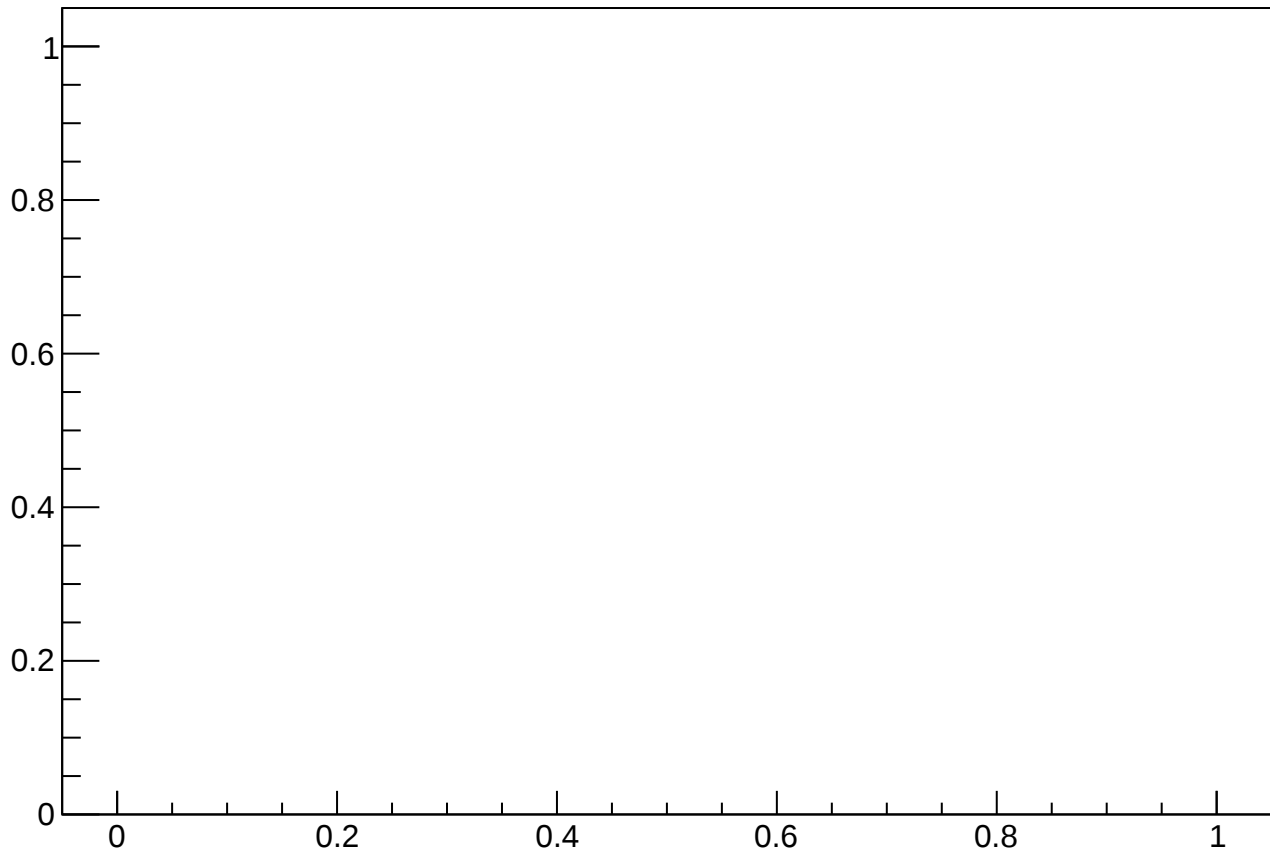
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

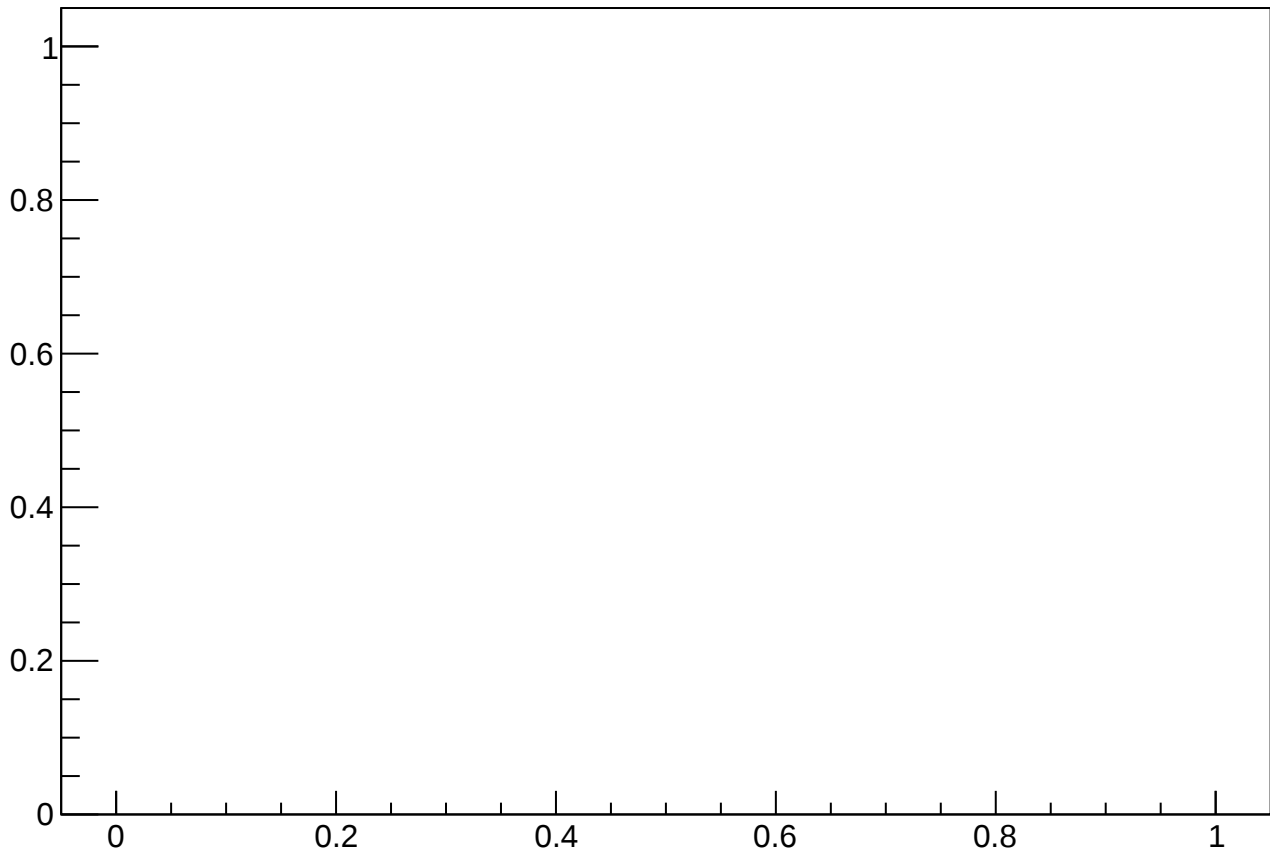
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

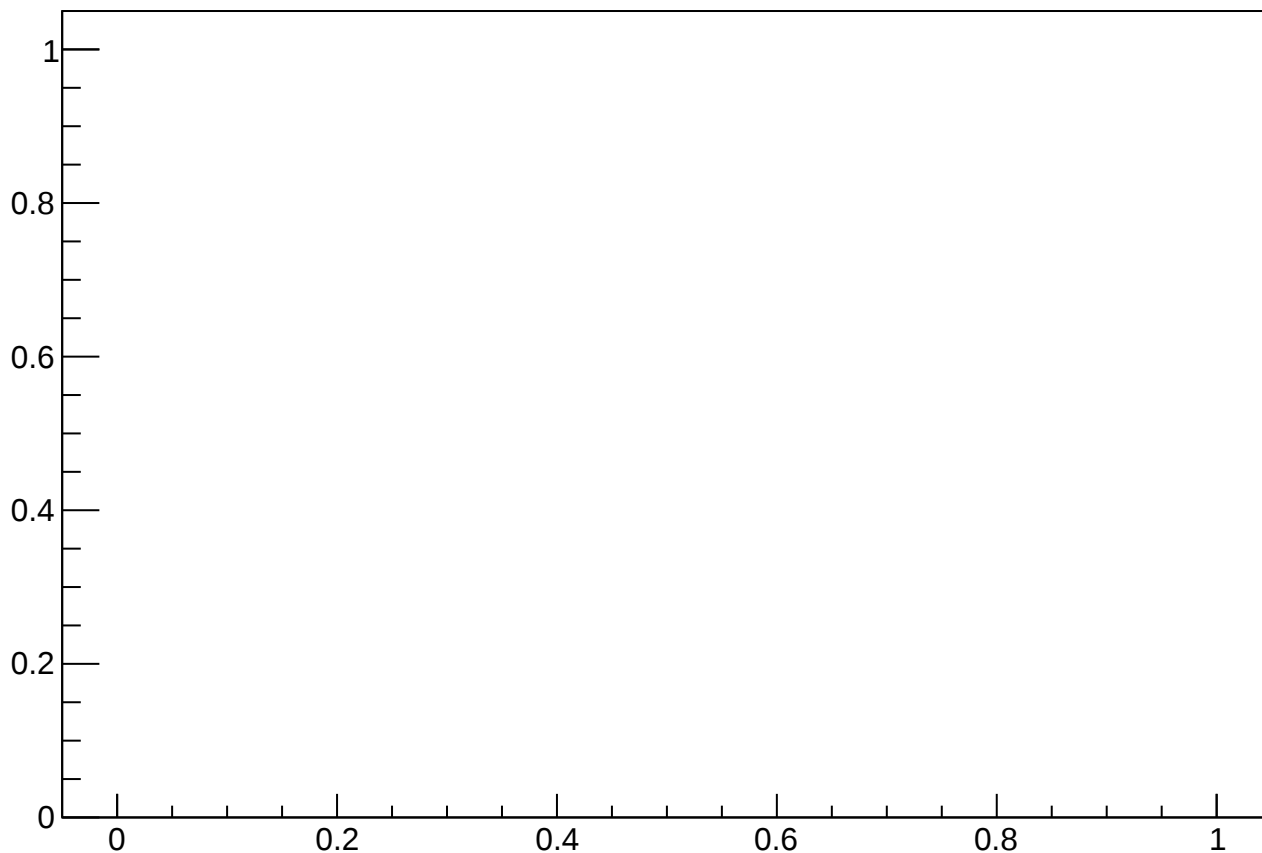
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

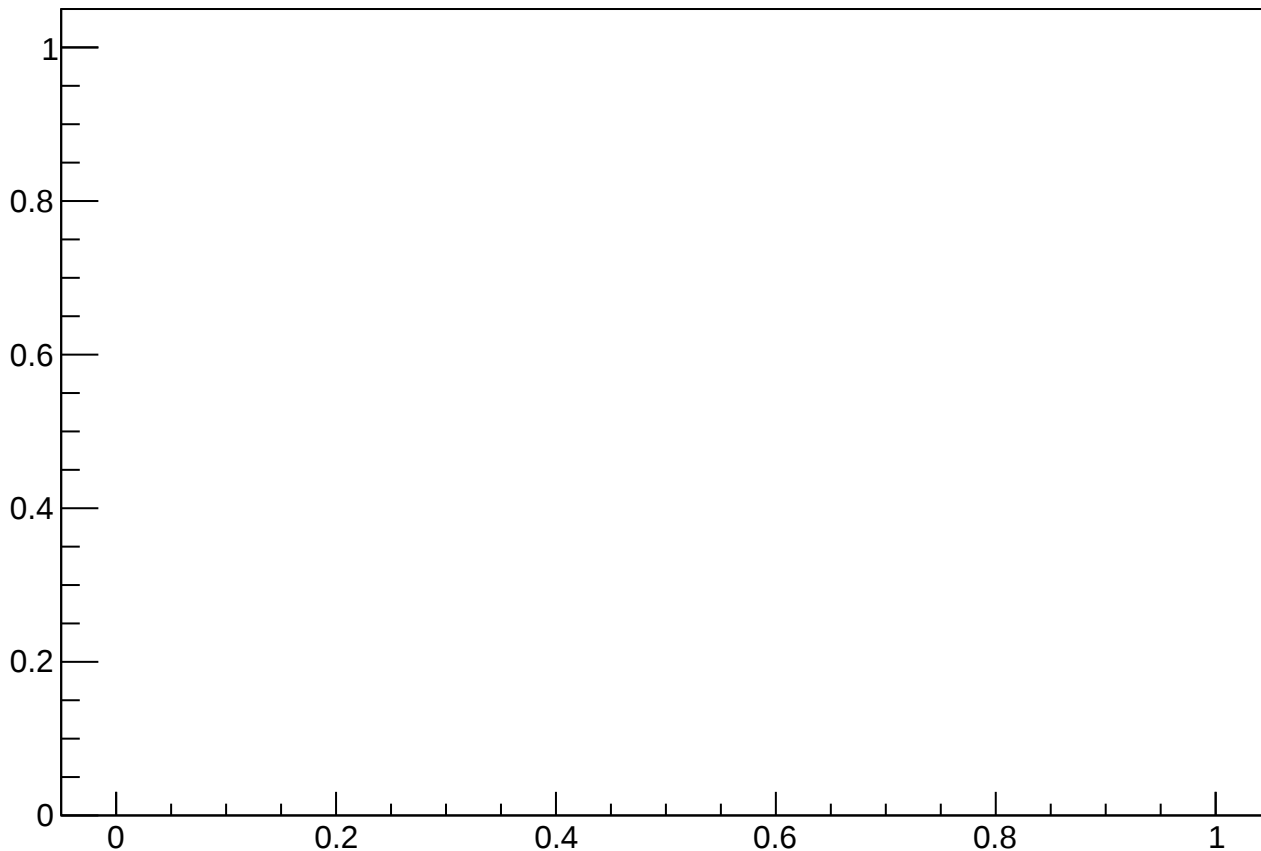
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

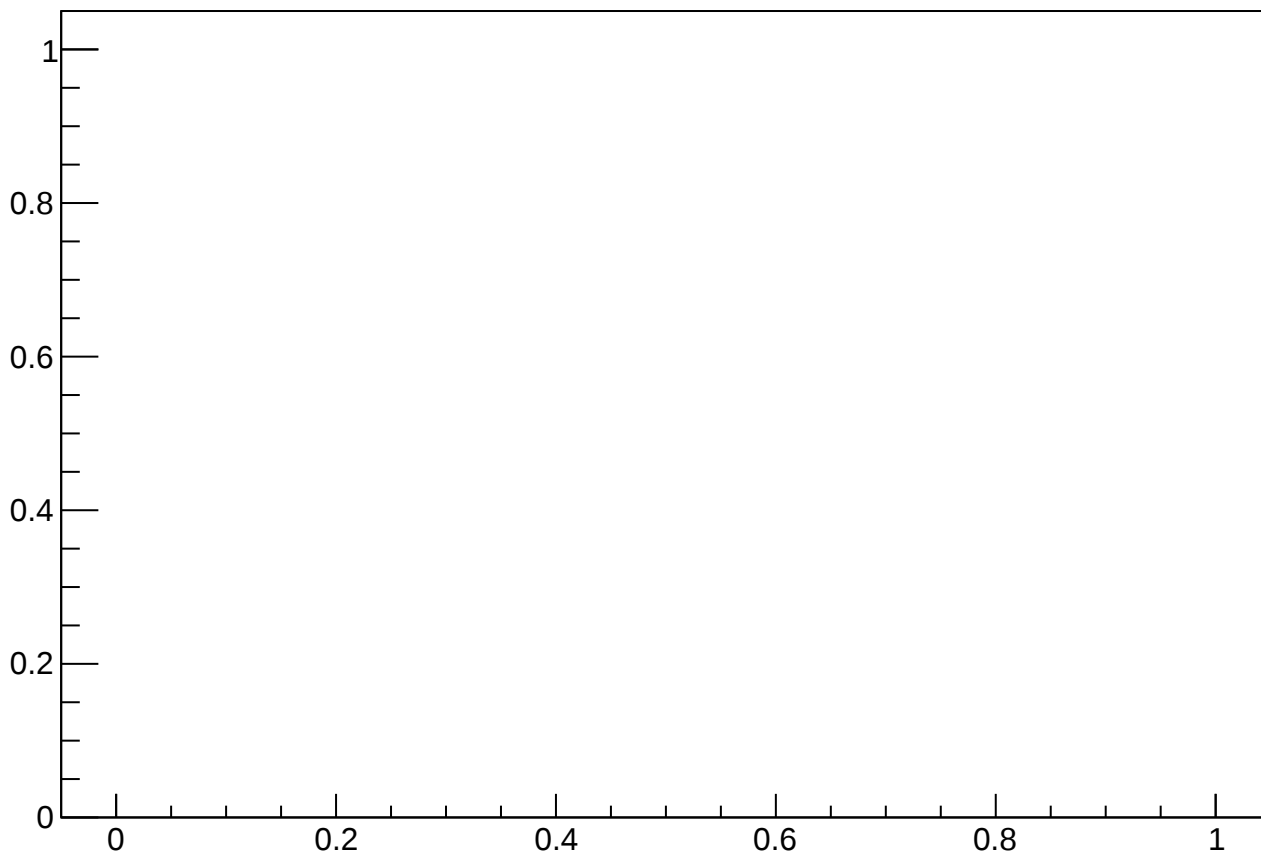
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

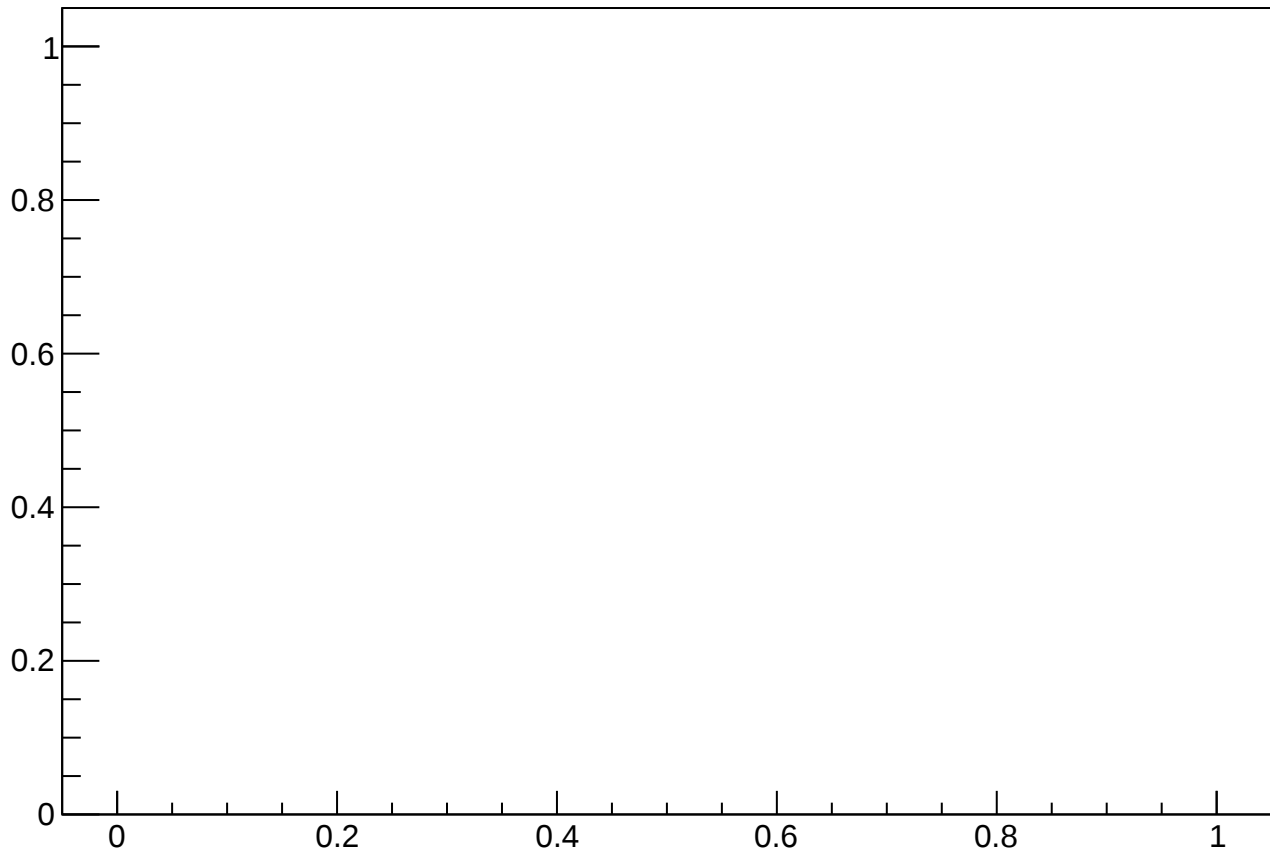
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

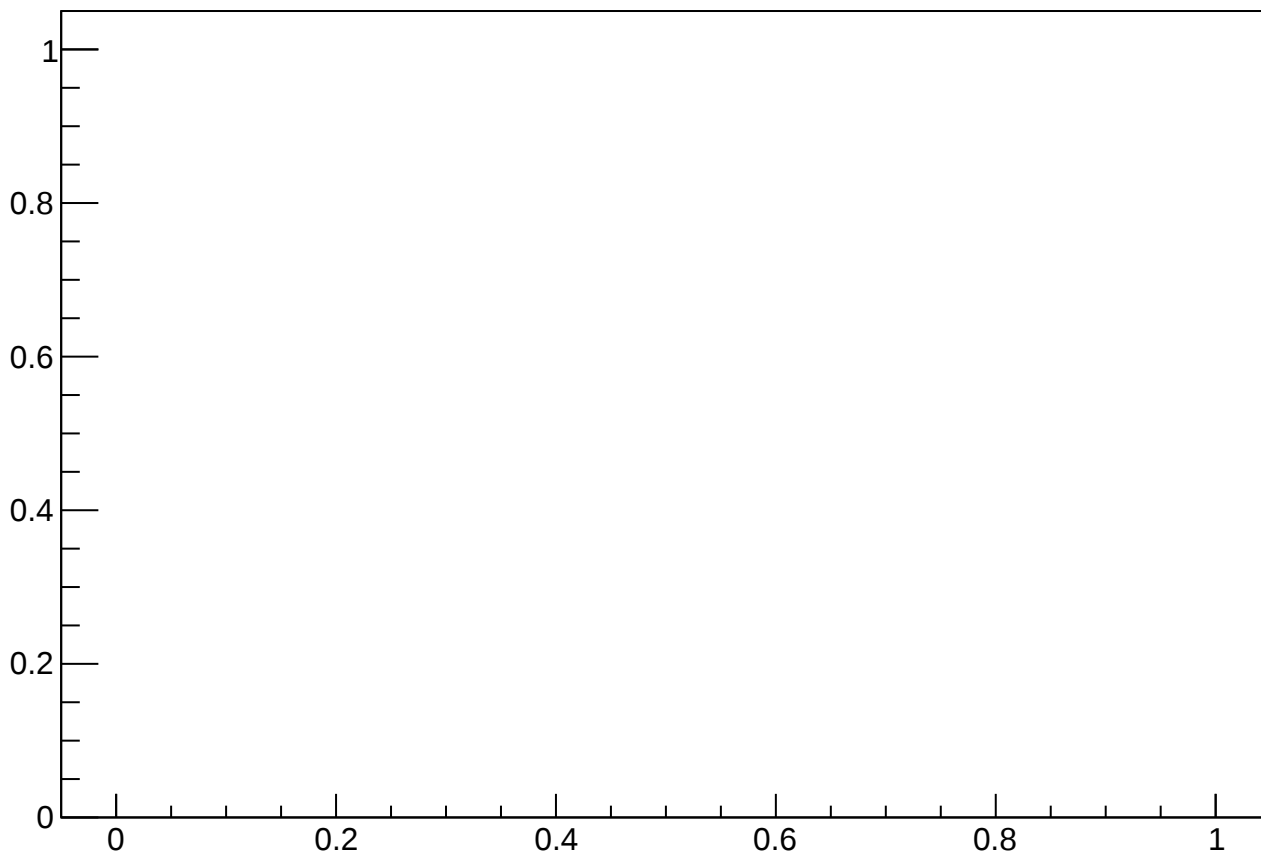
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

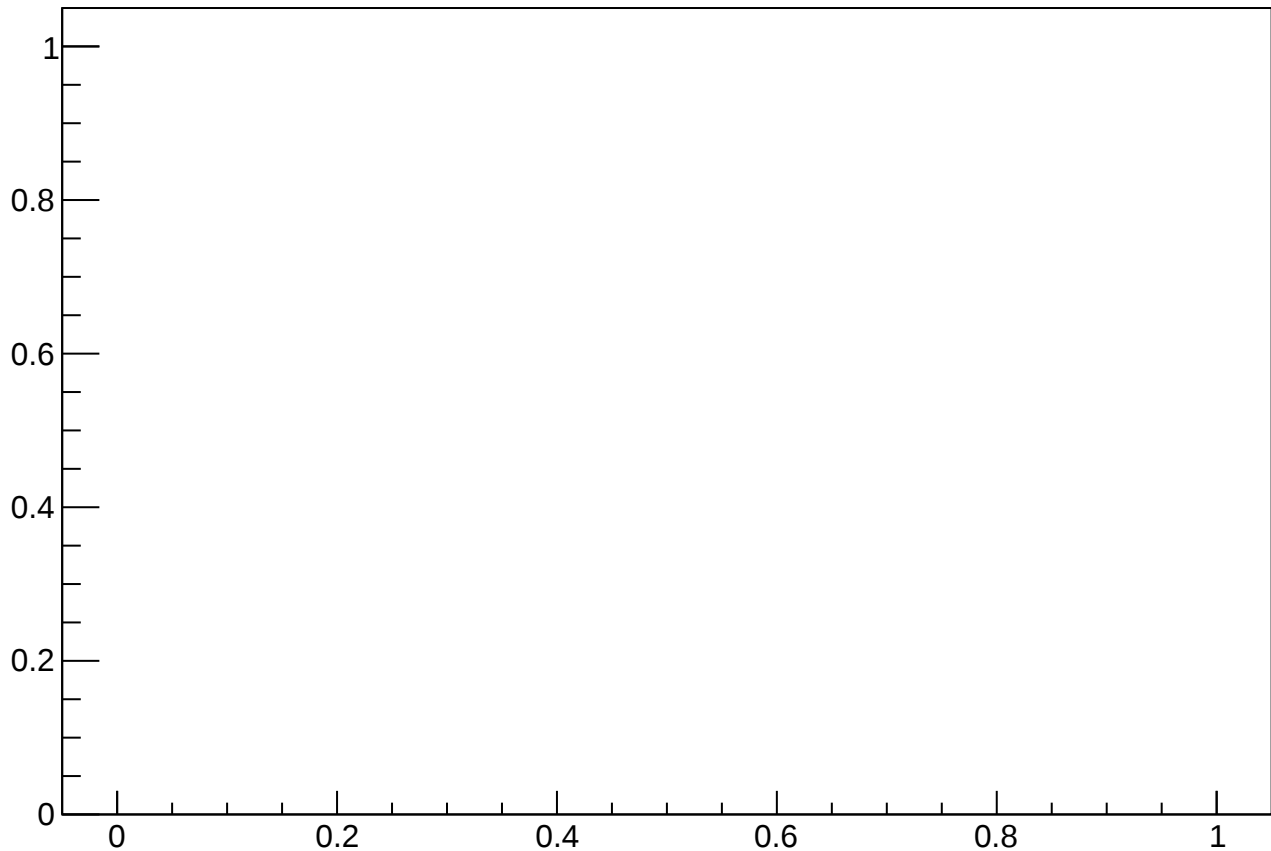
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

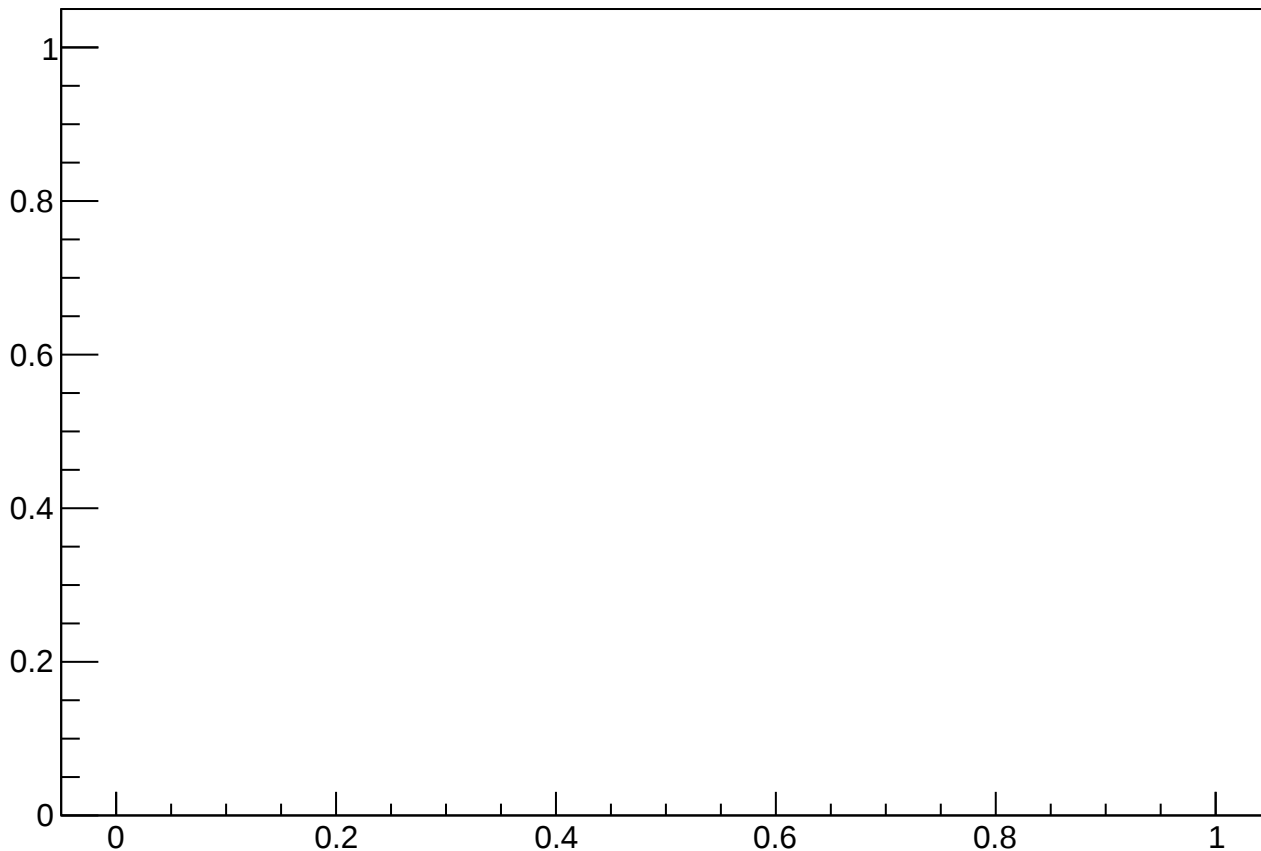
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

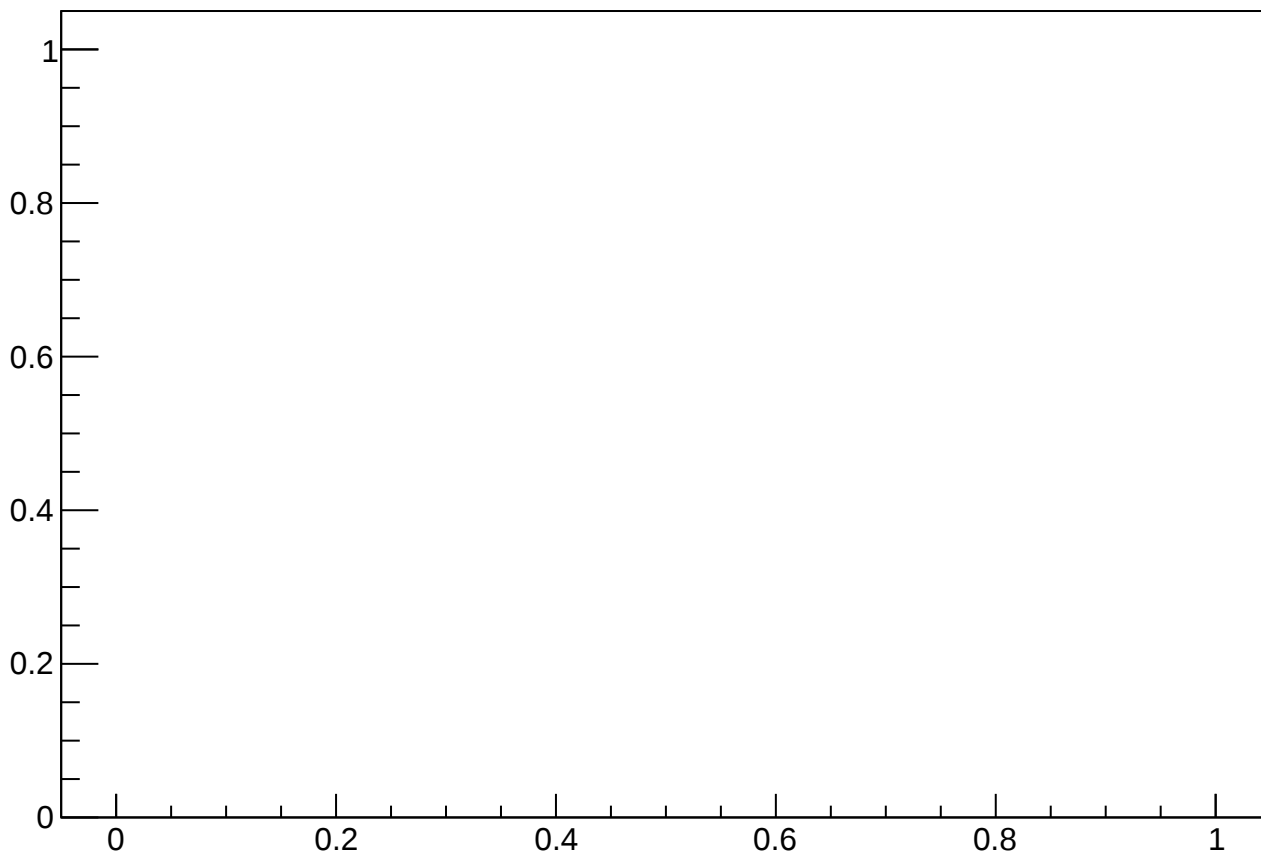
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

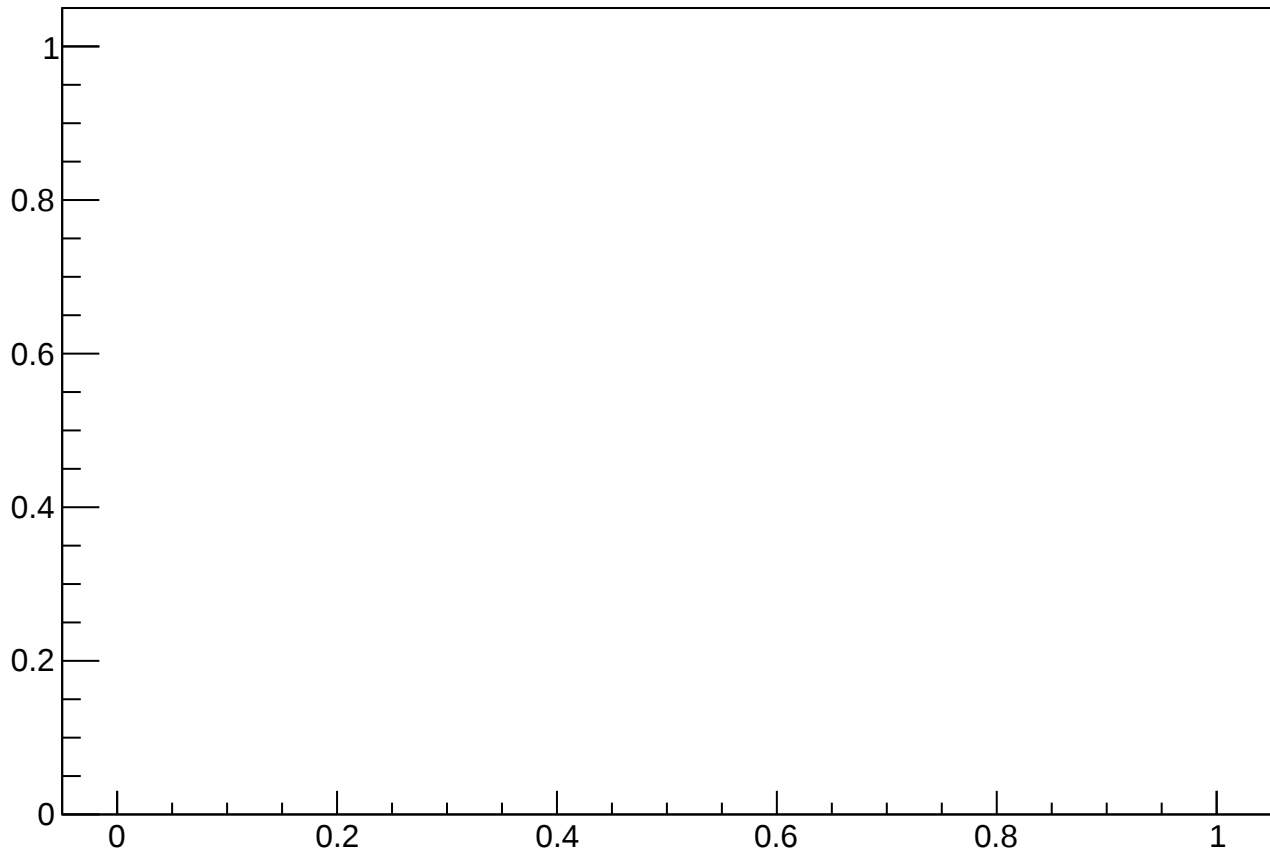
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

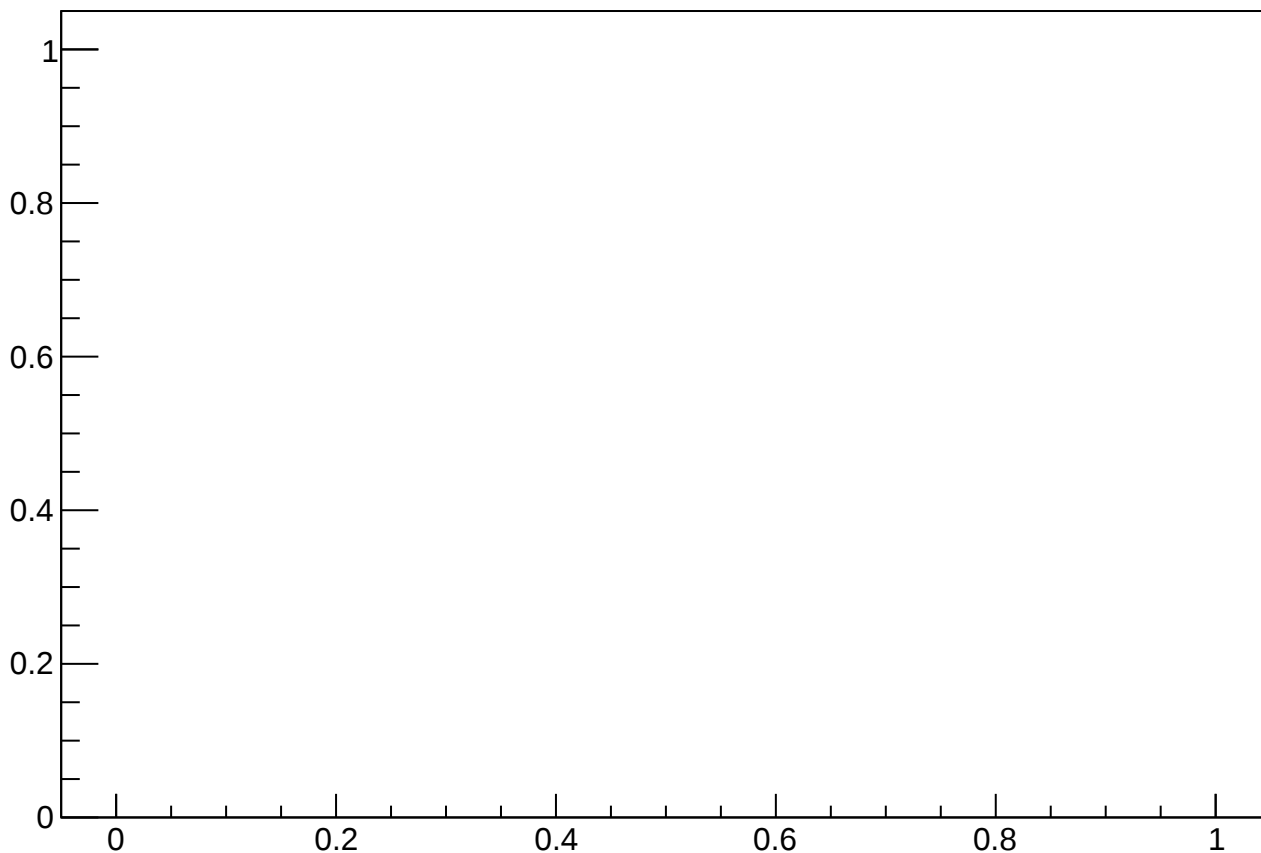
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

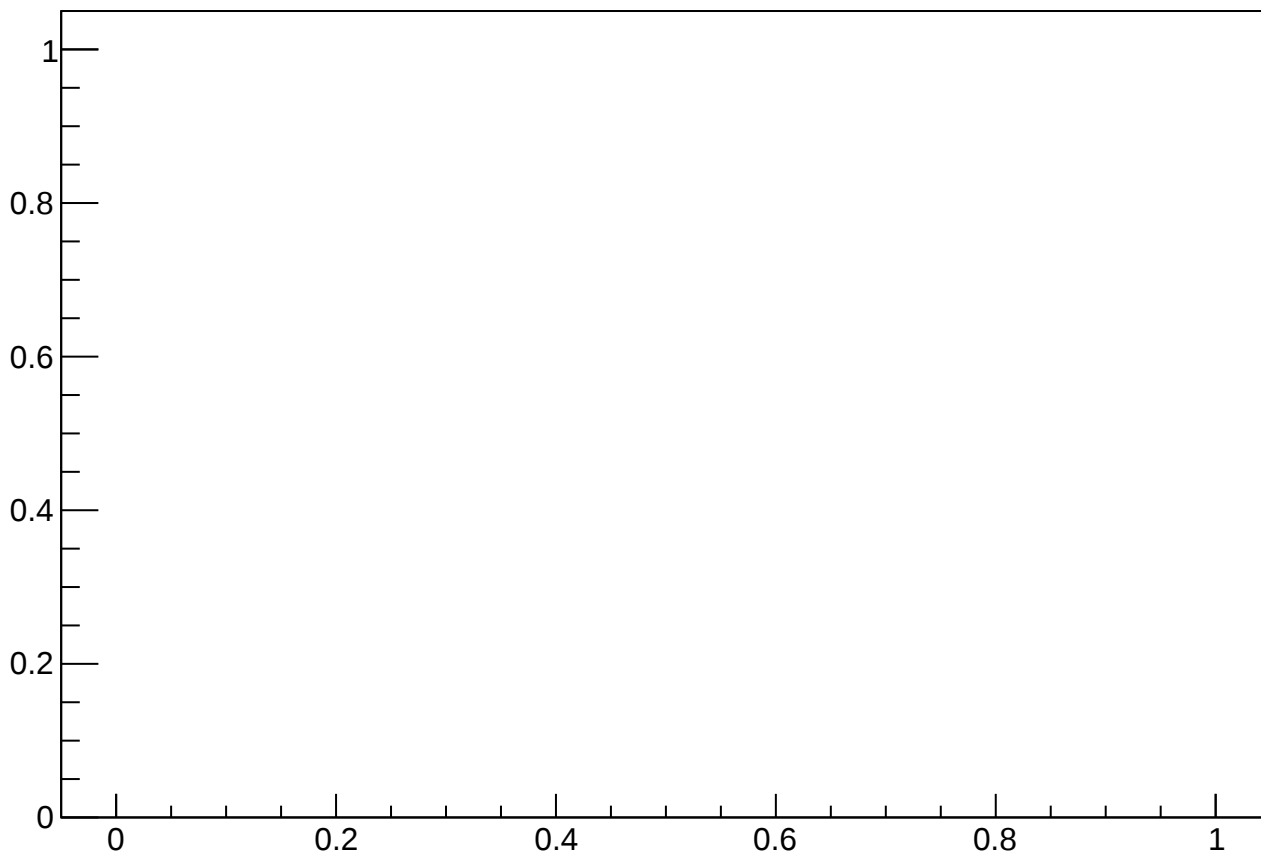
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

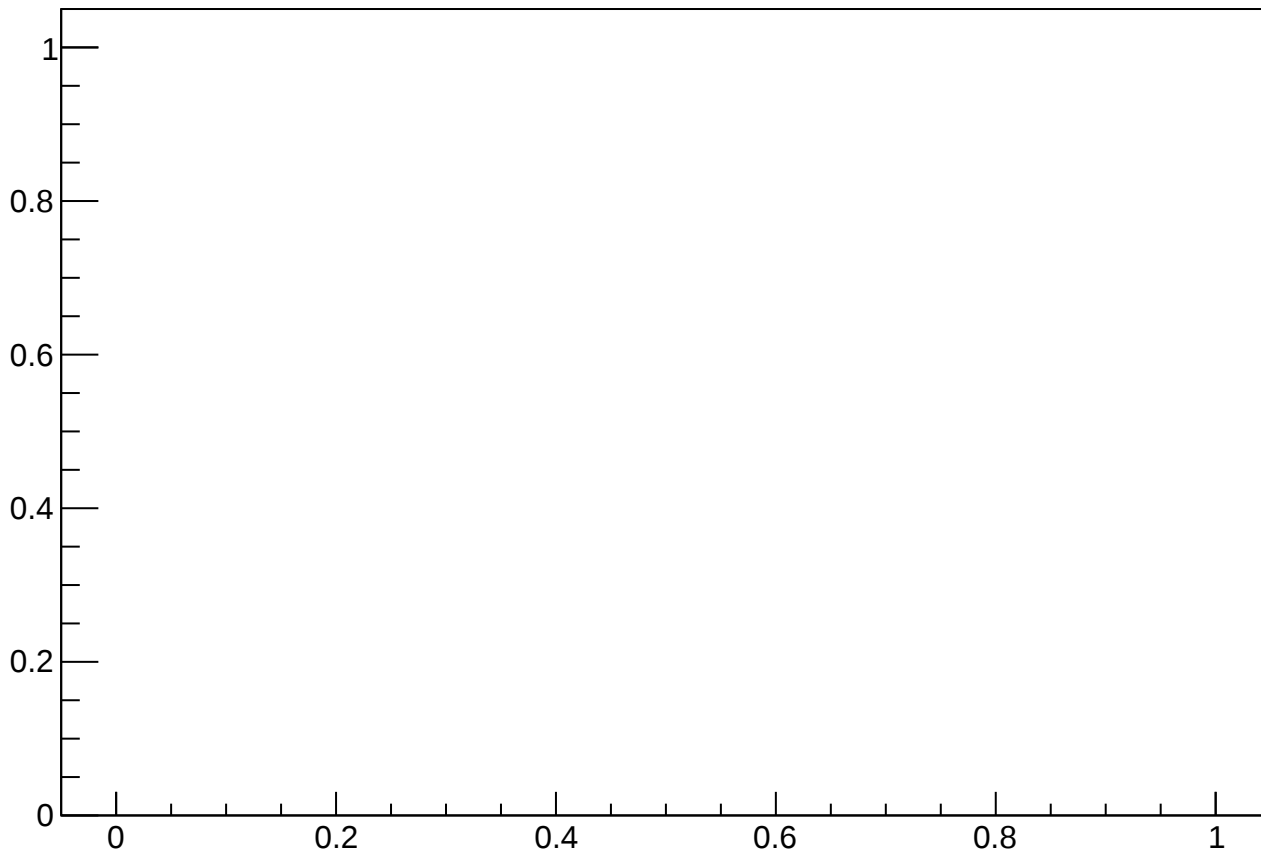
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

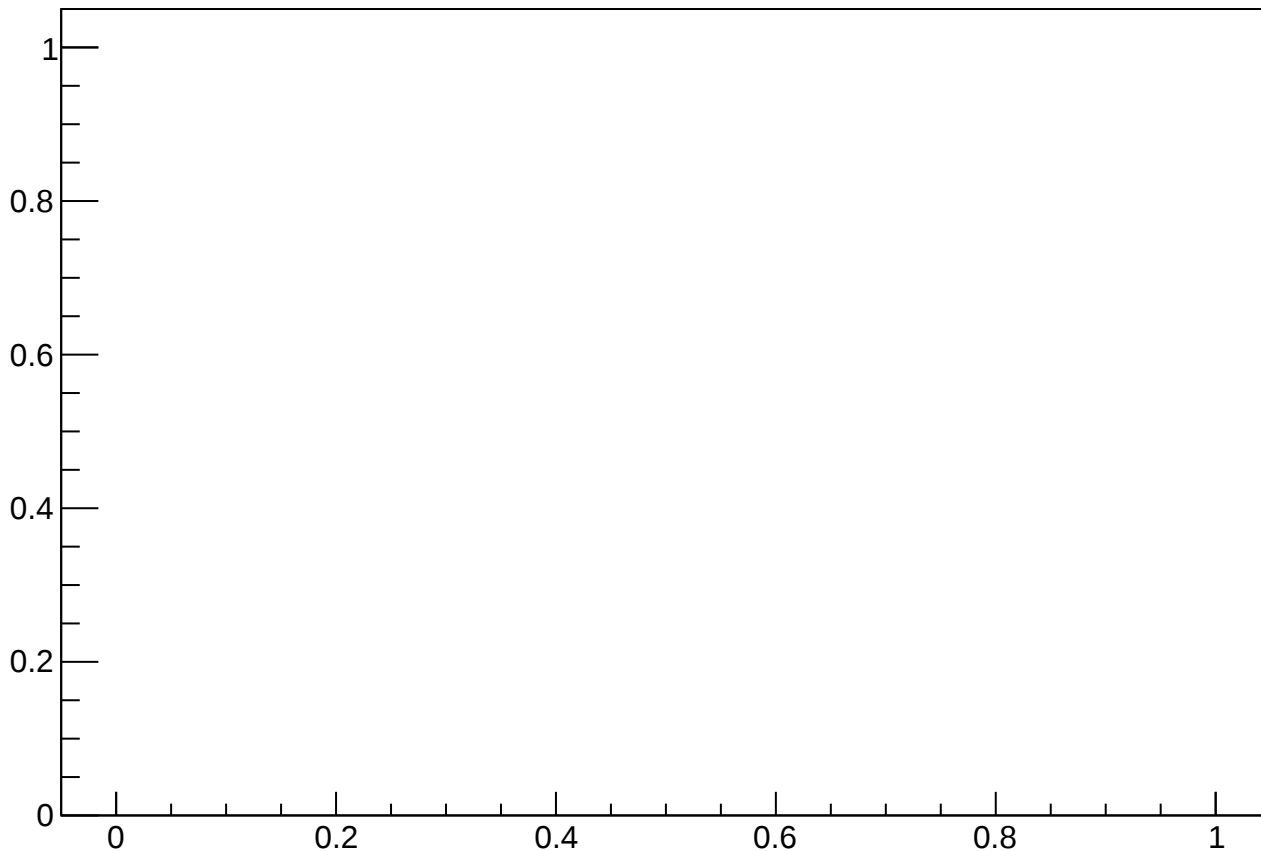
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

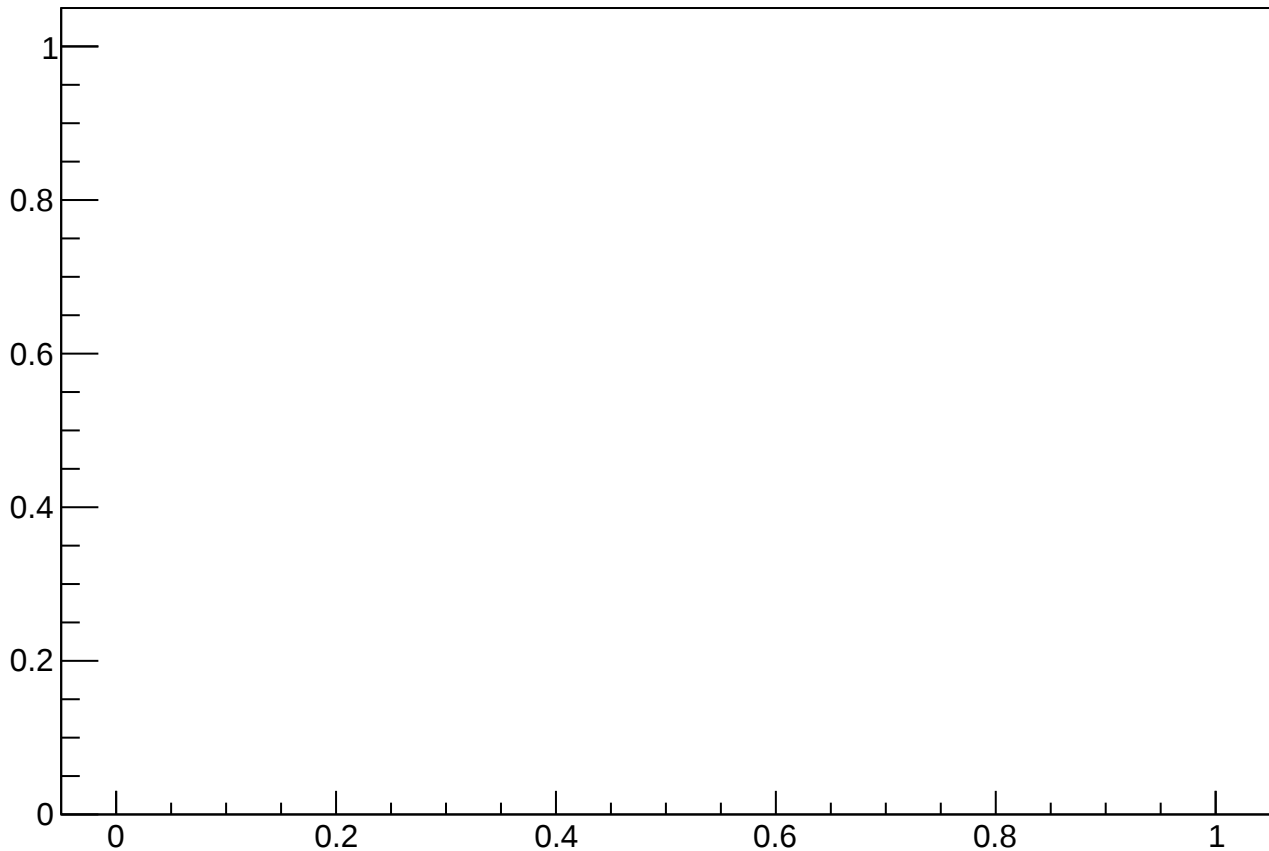
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

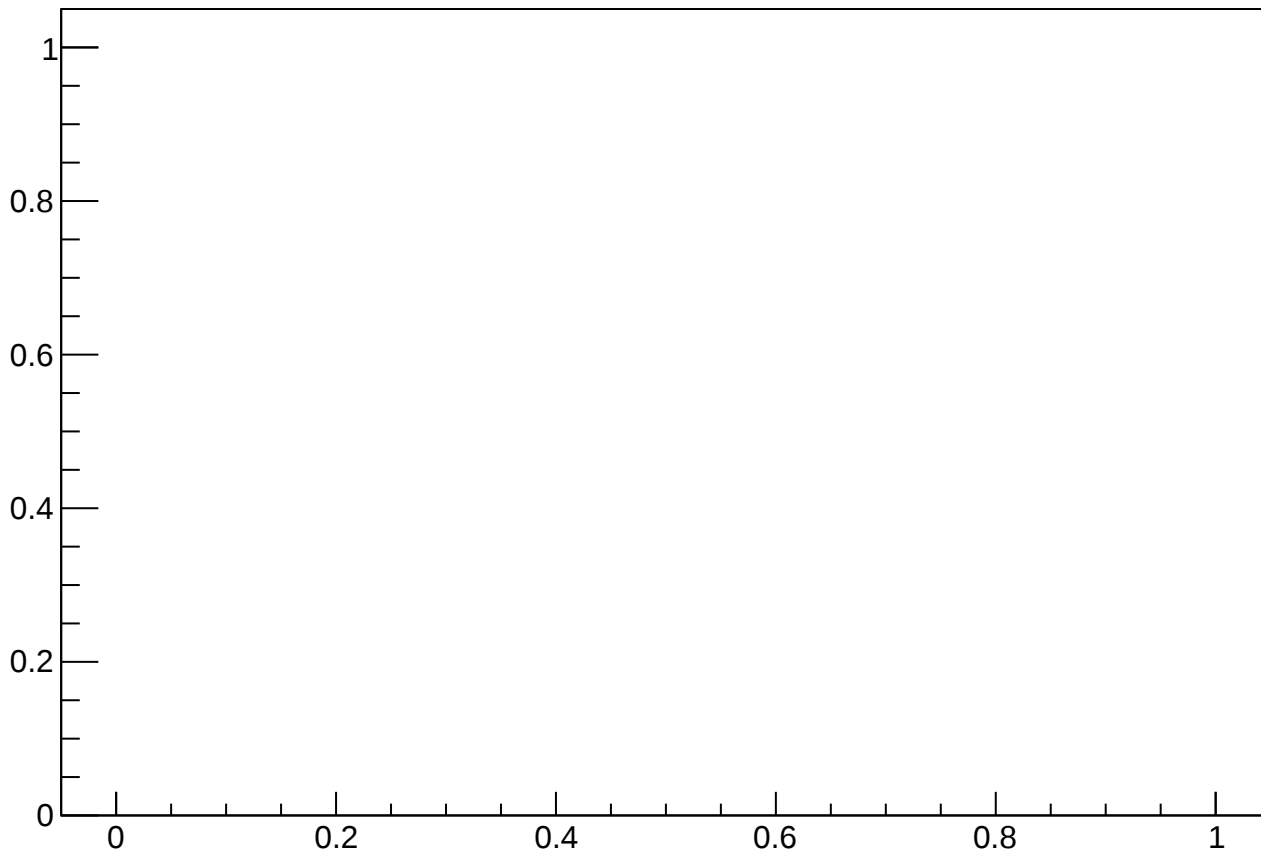
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

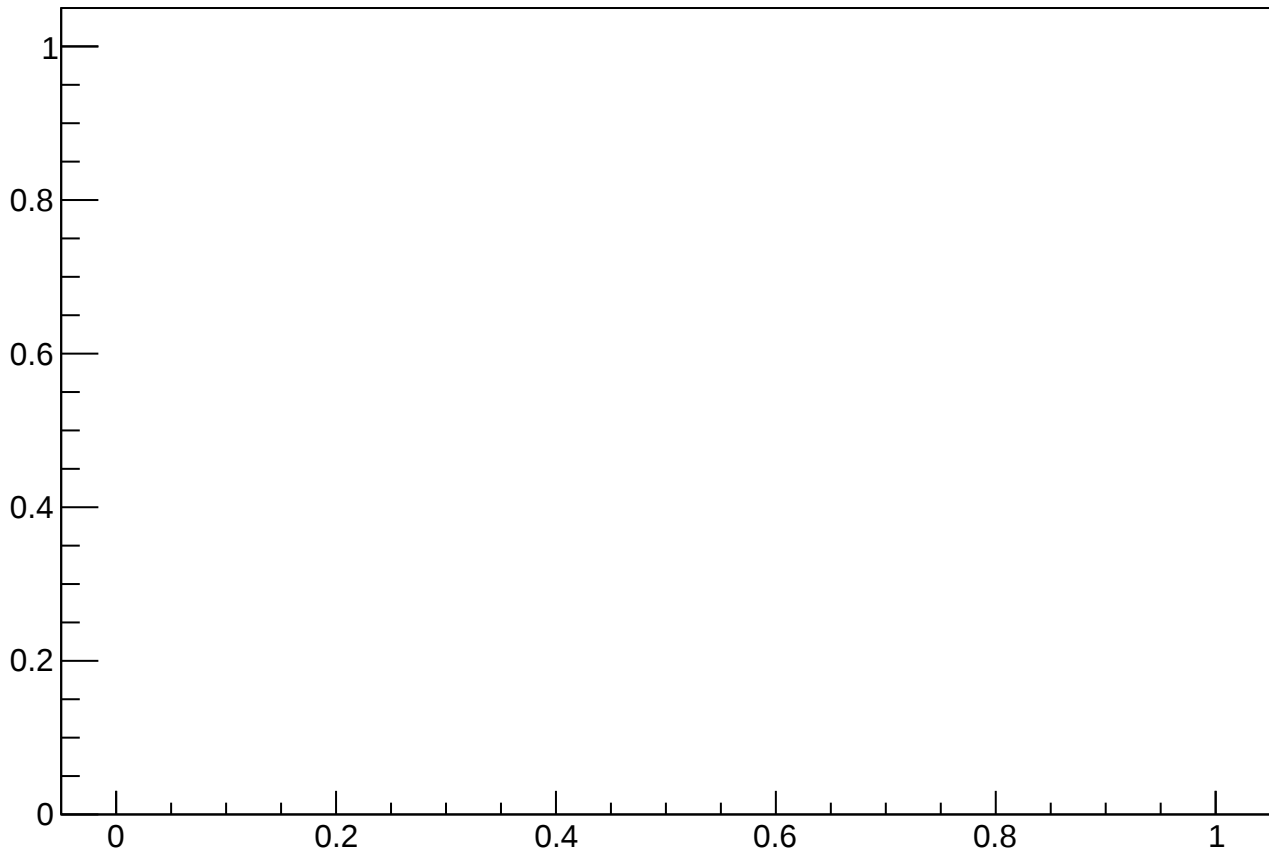
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

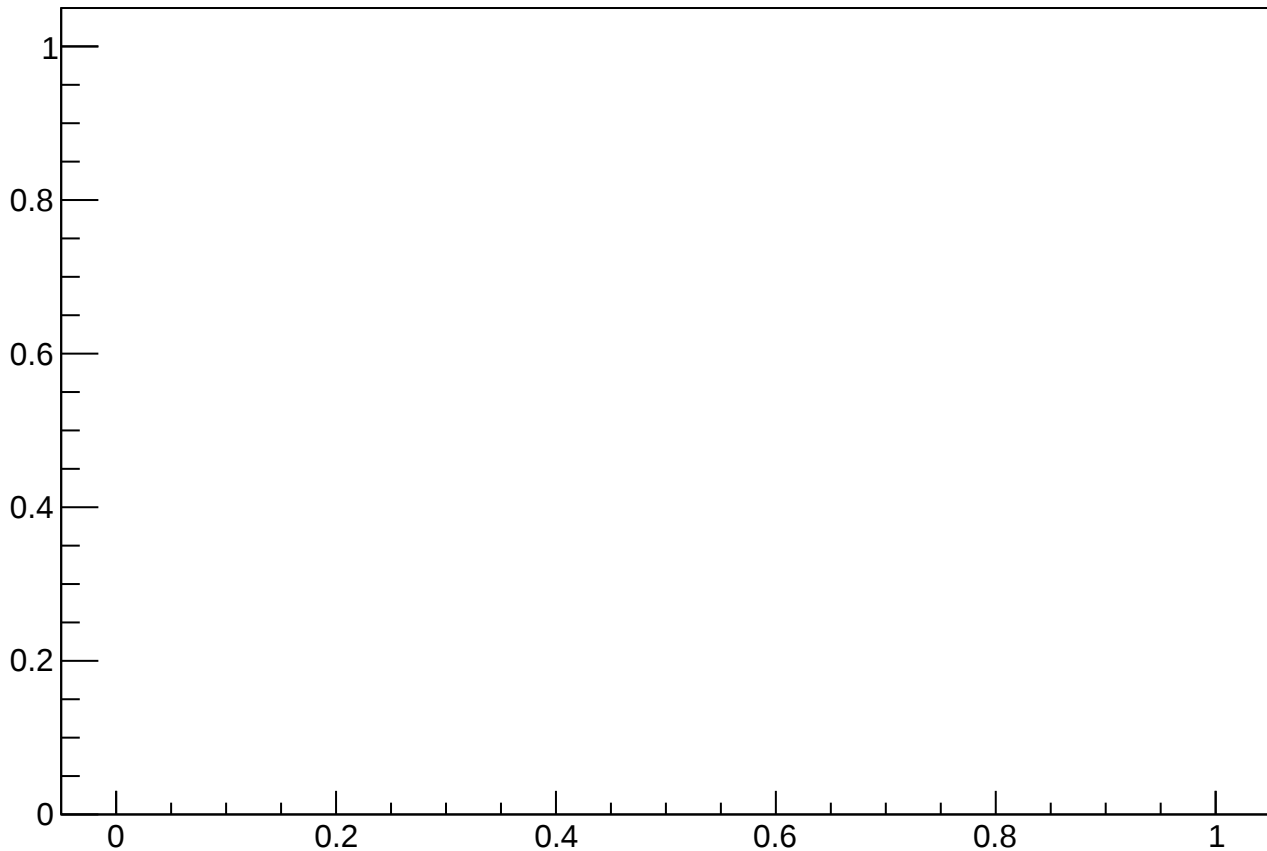
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

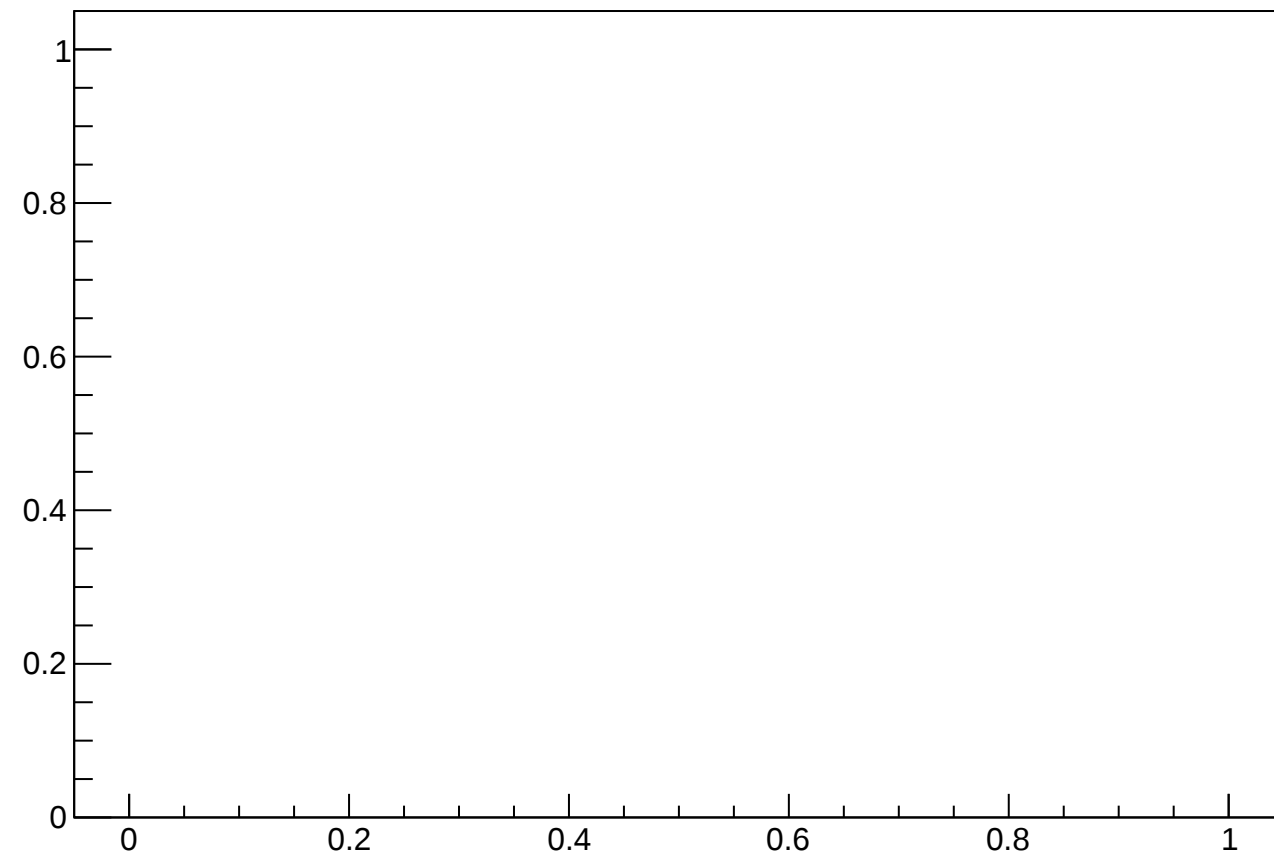
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

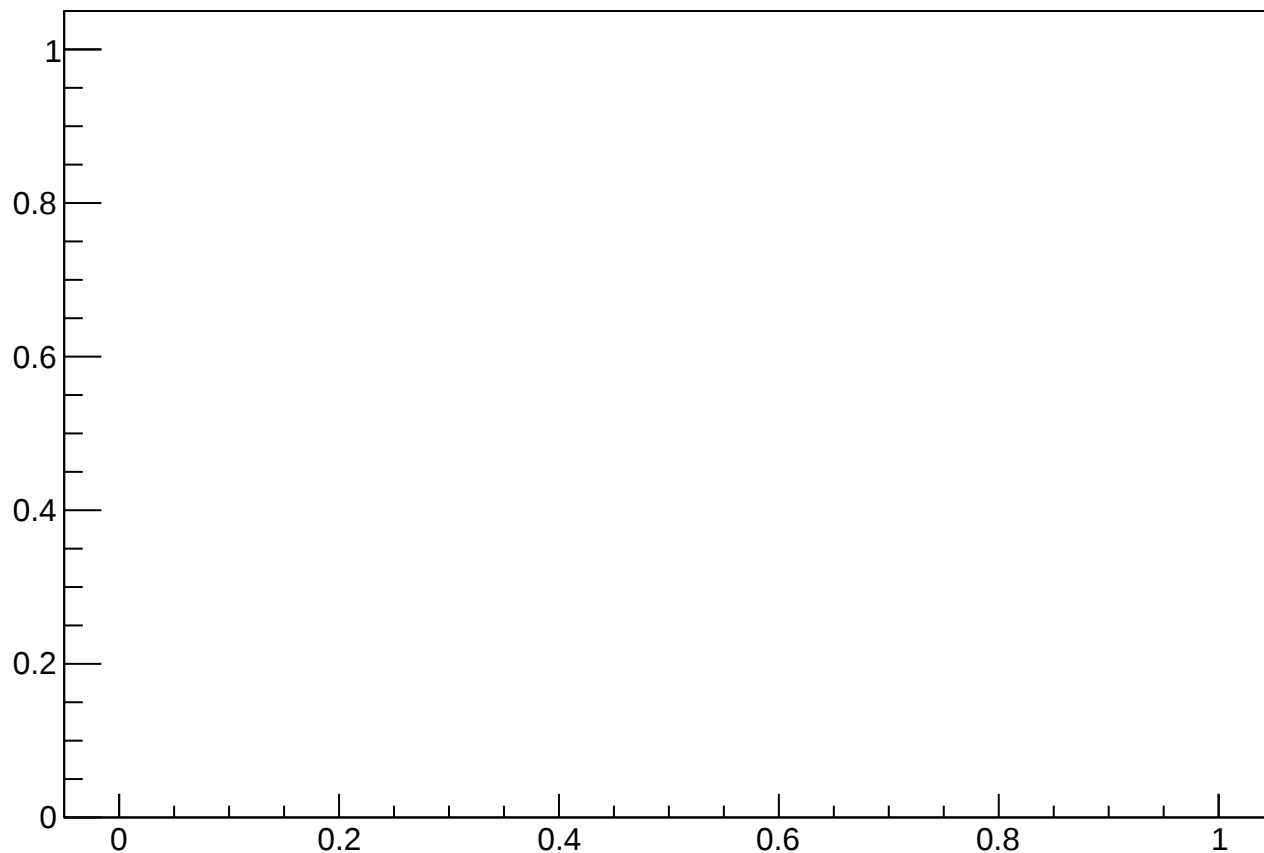
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

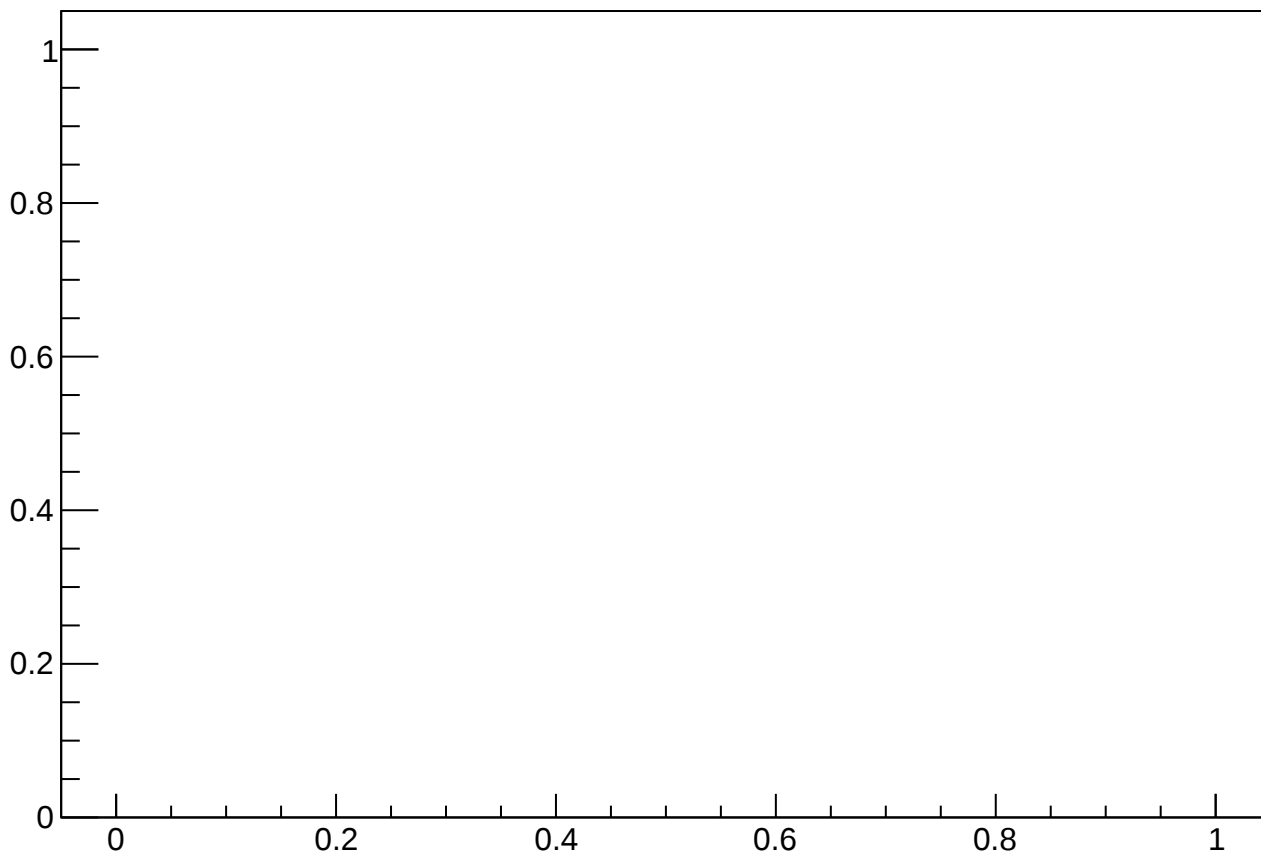
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

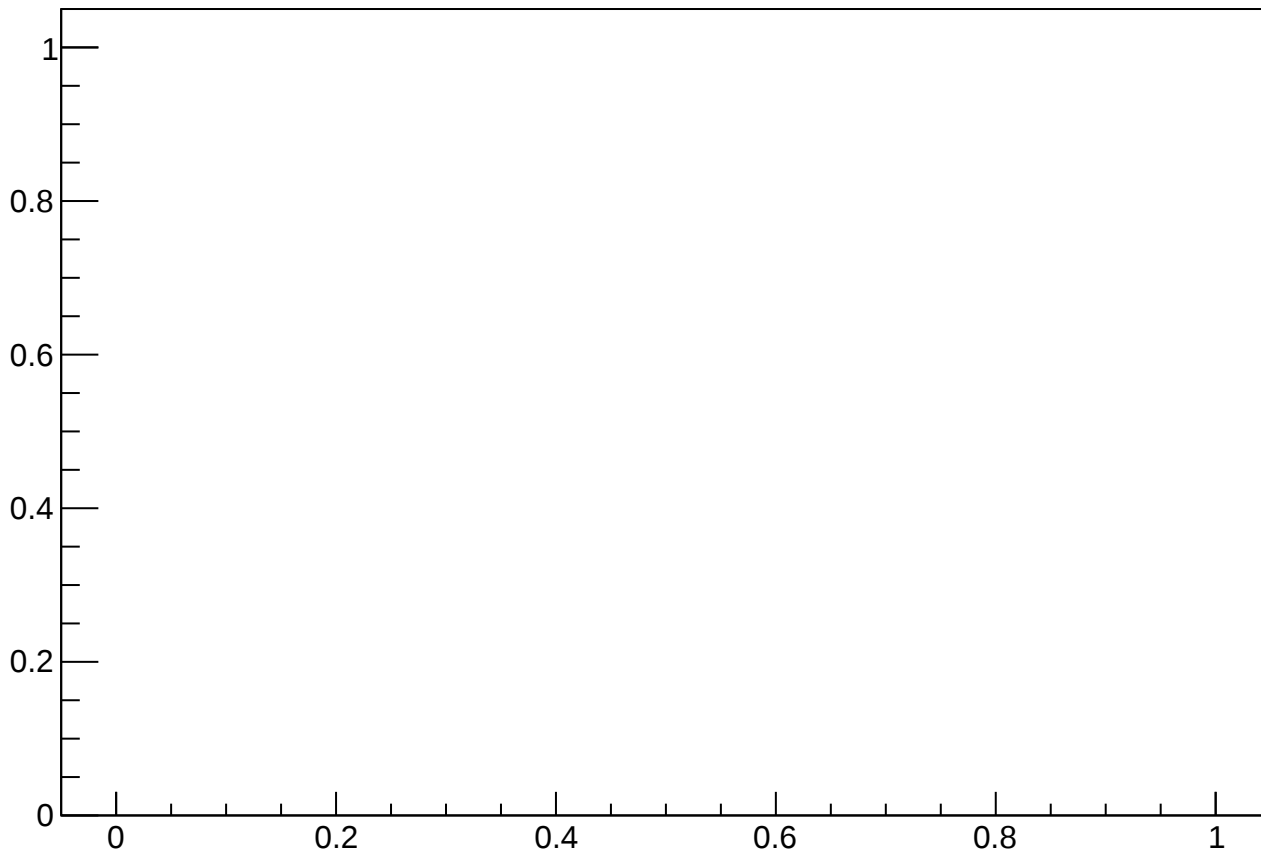
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

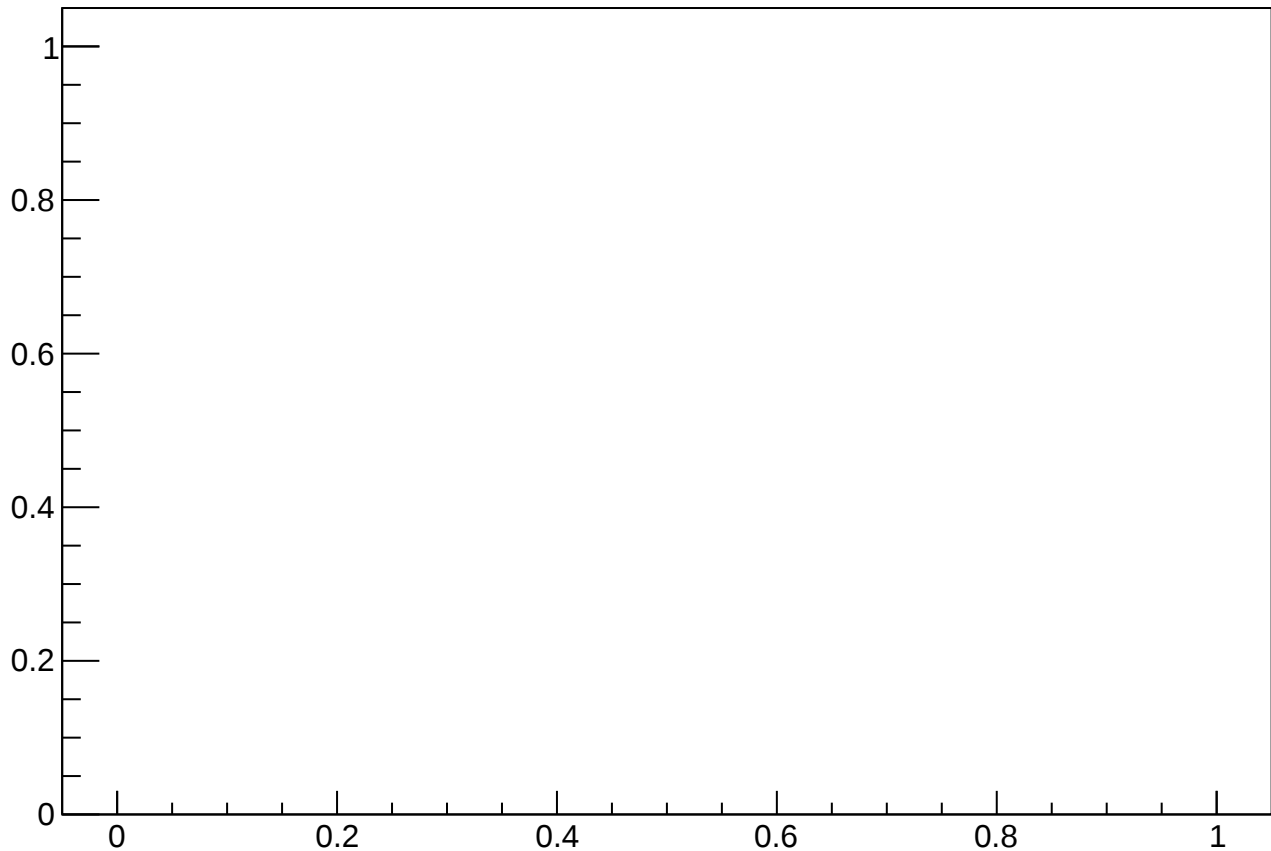
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

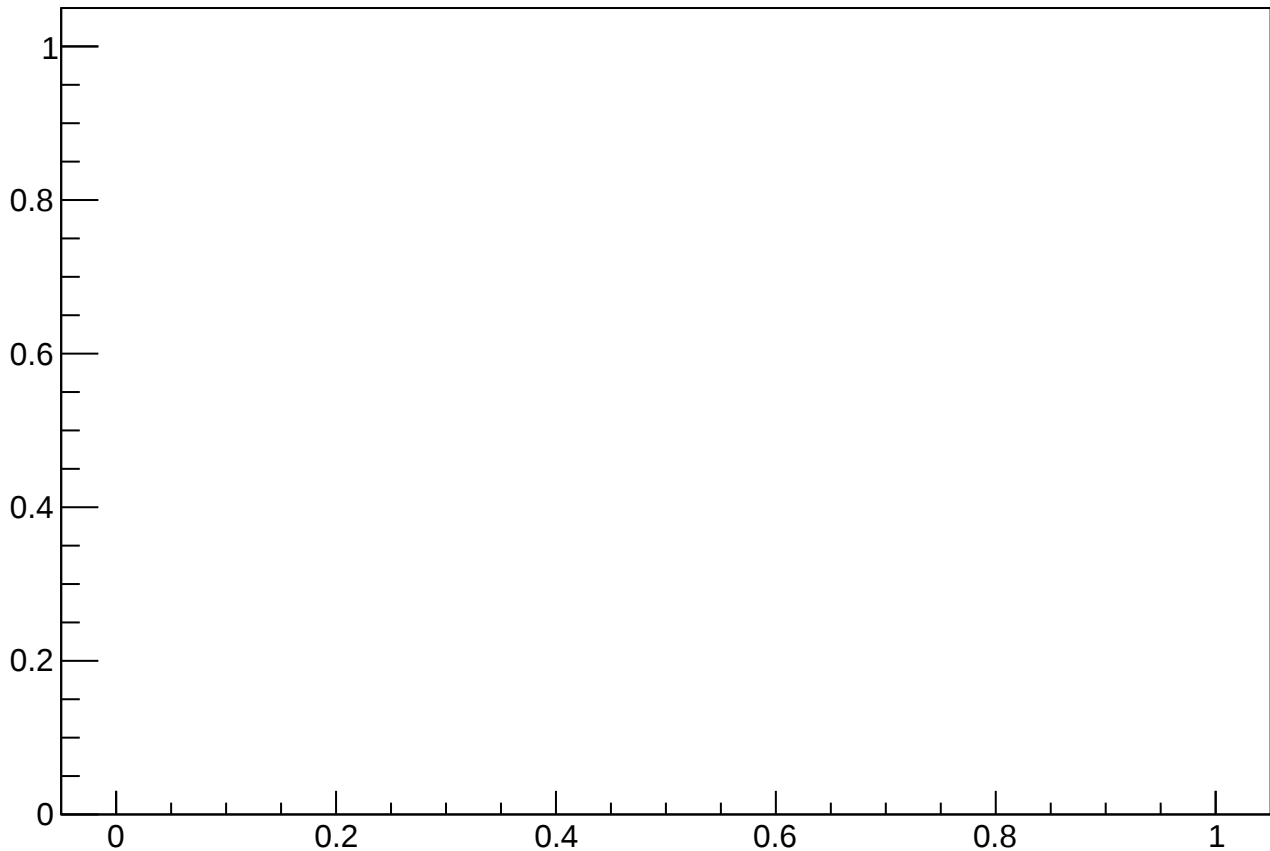
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

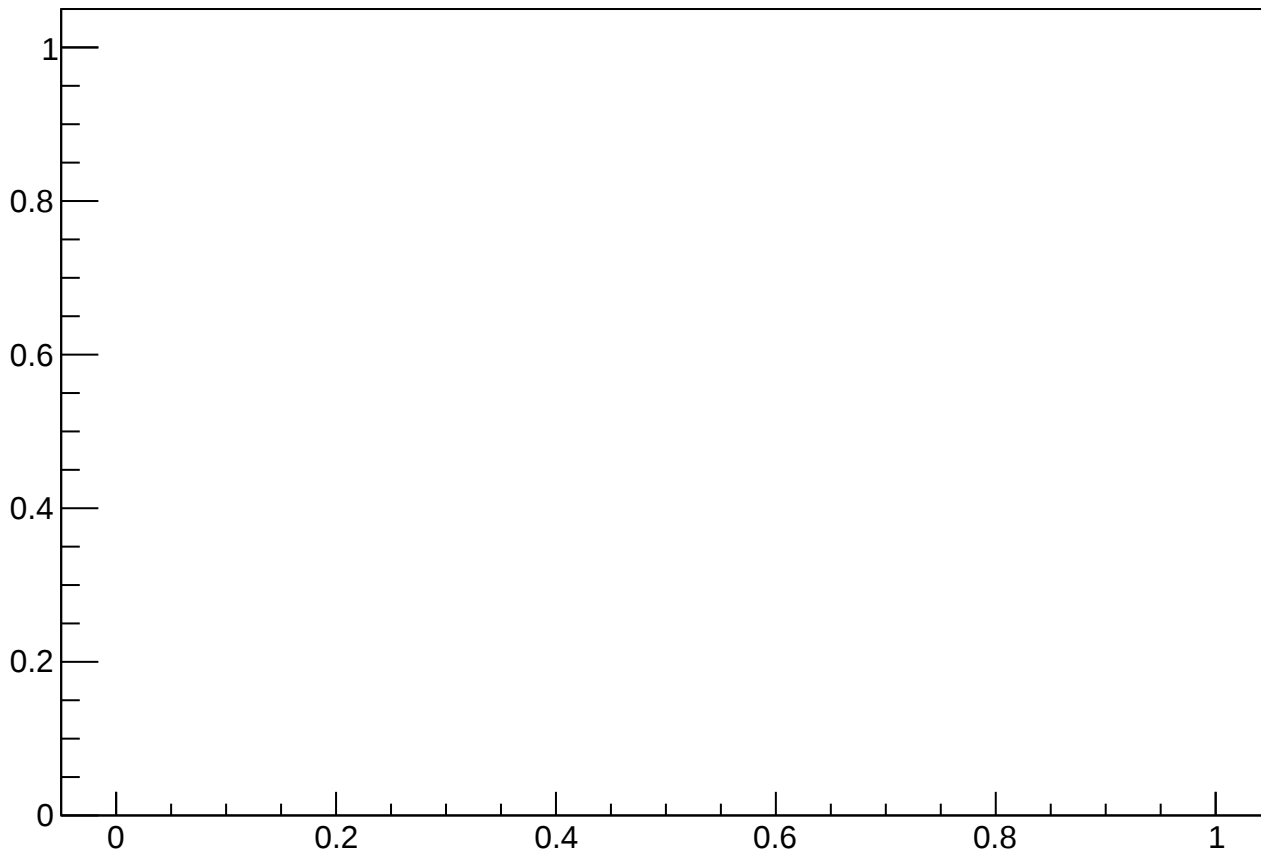
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

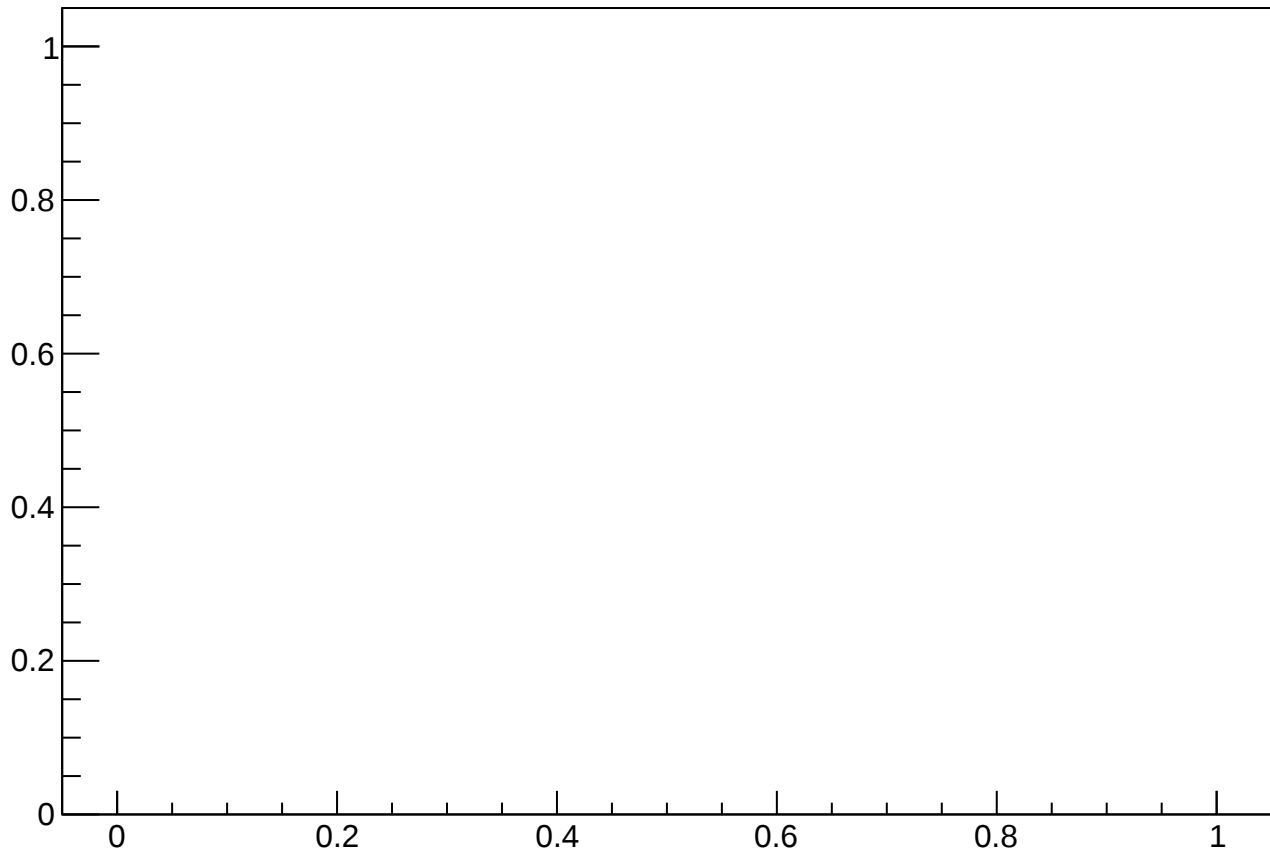
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

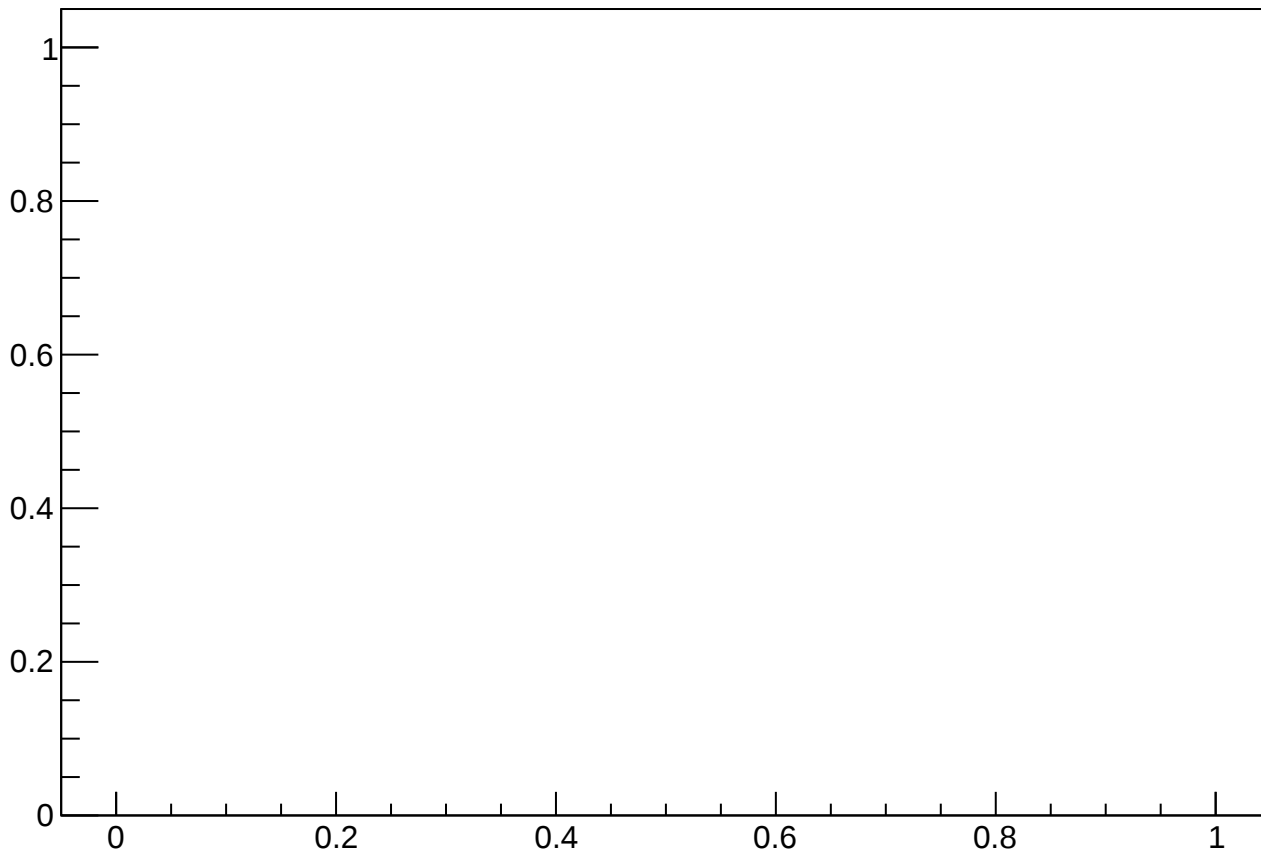
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

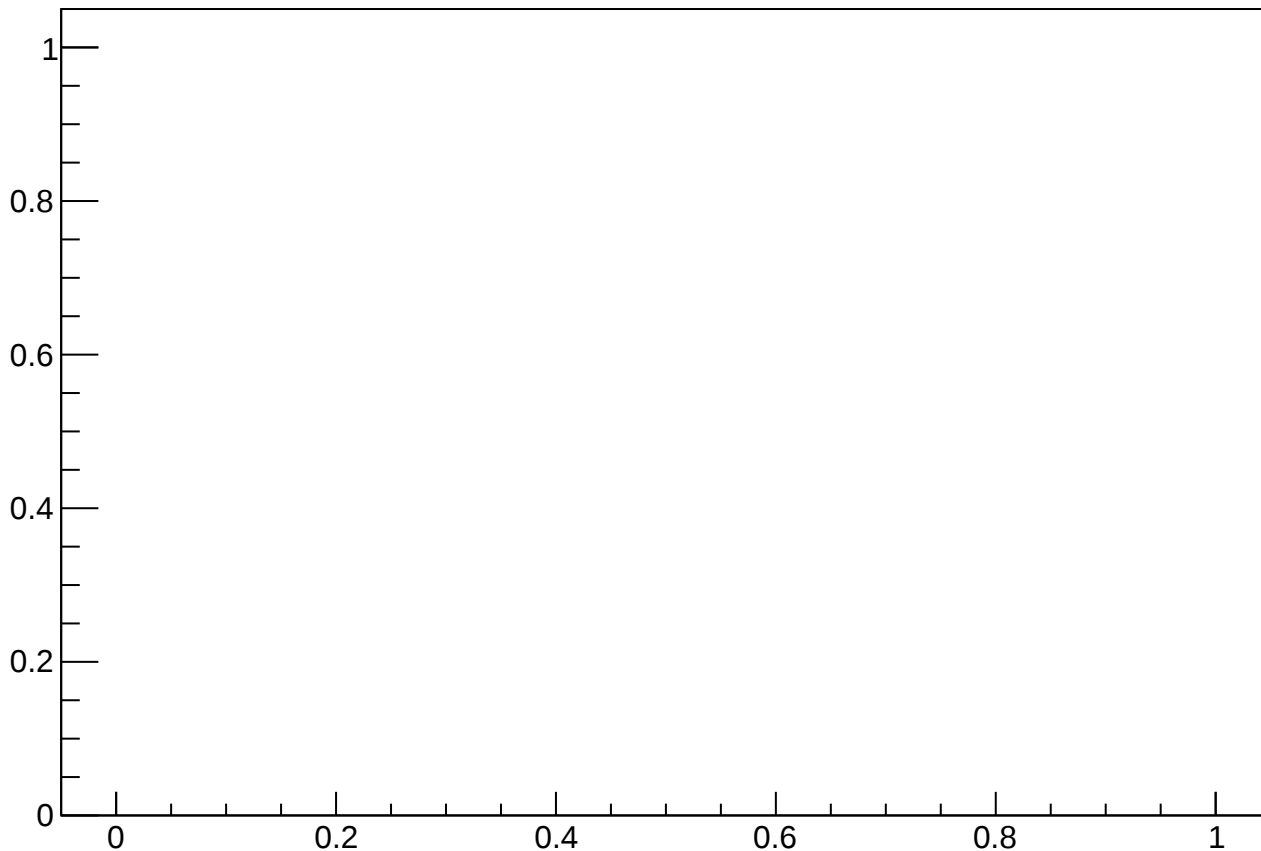
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

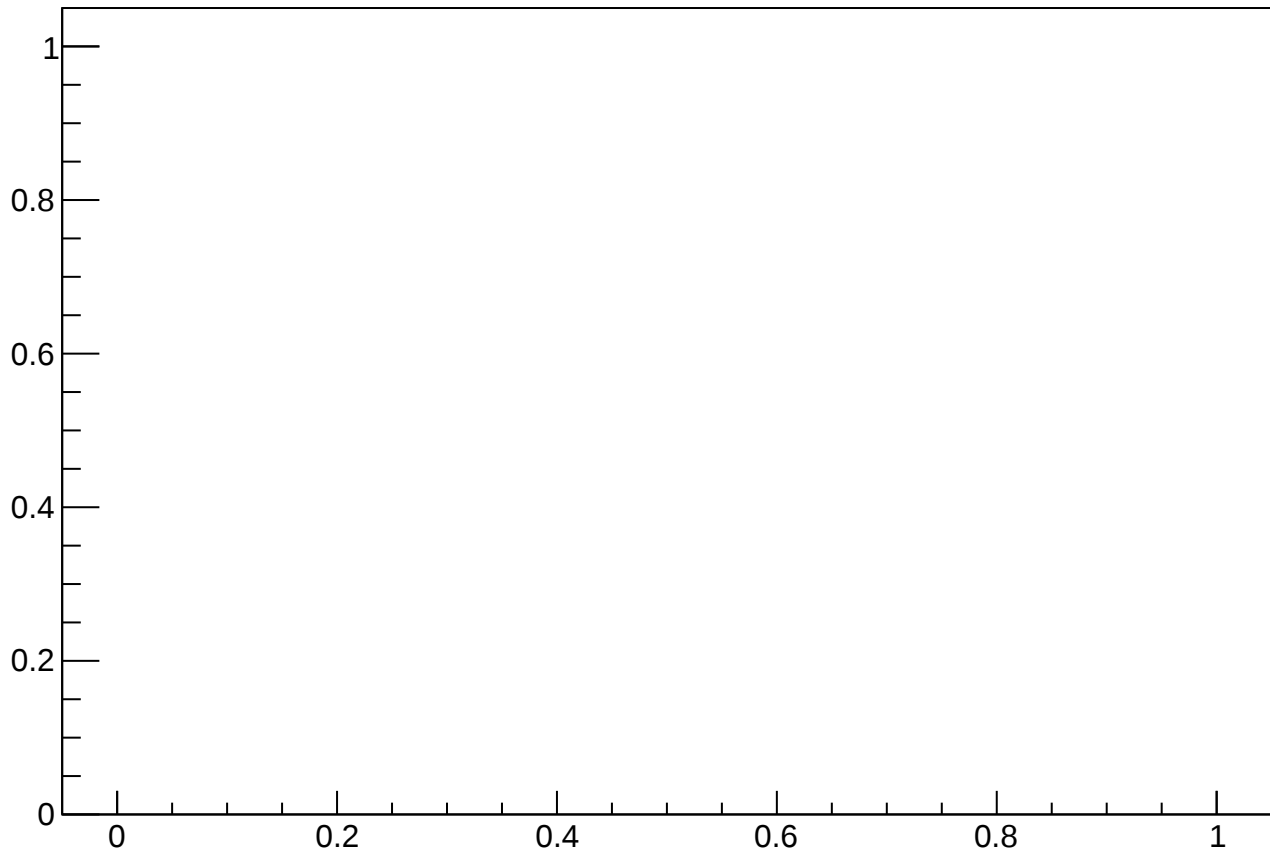
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

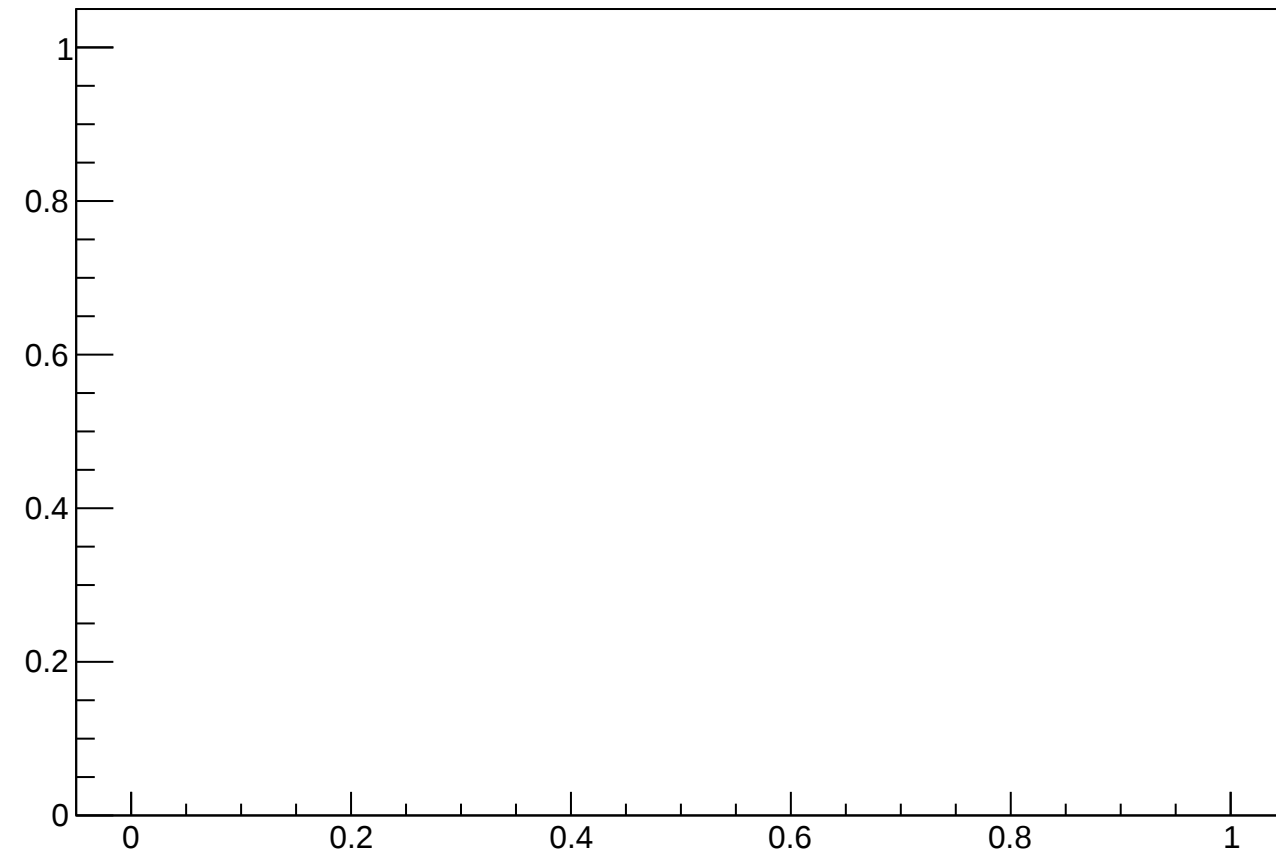
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

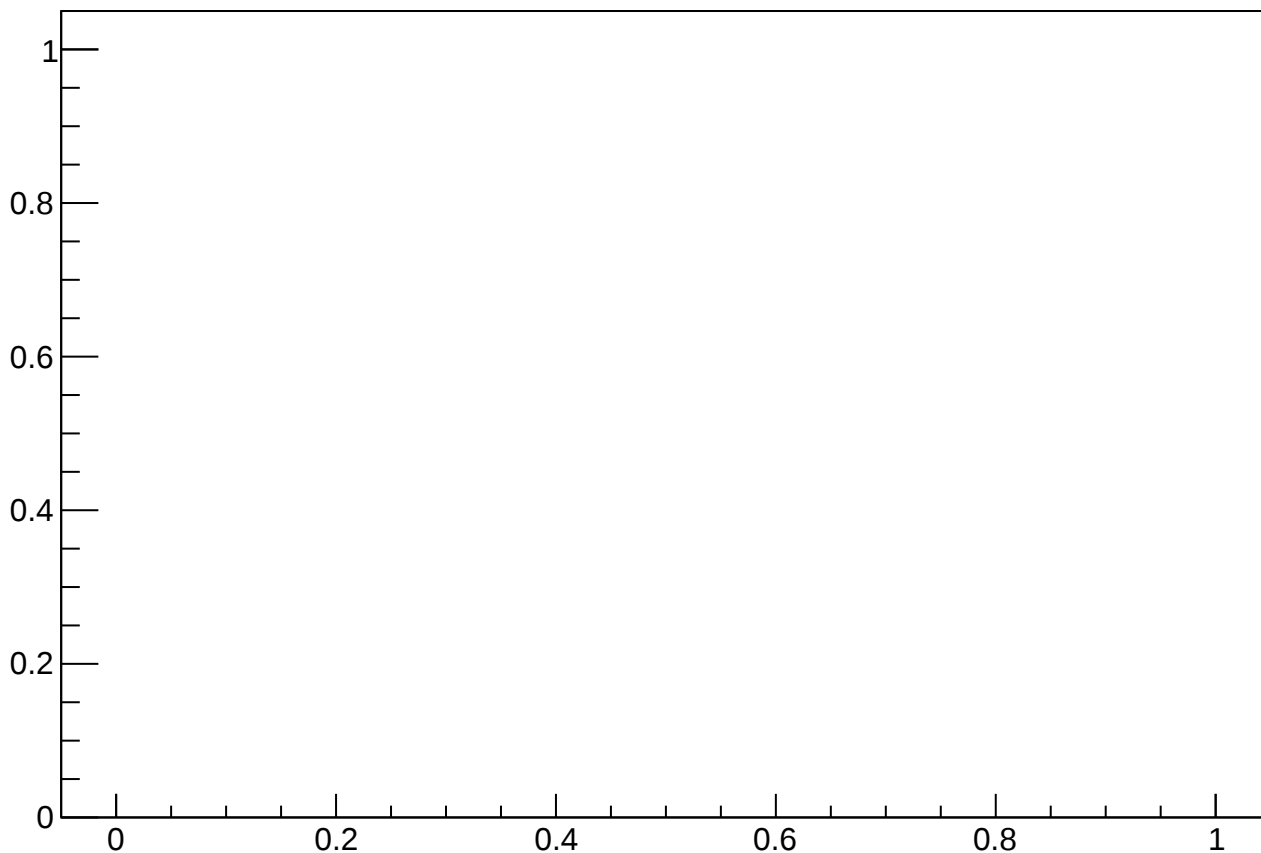
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam5\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

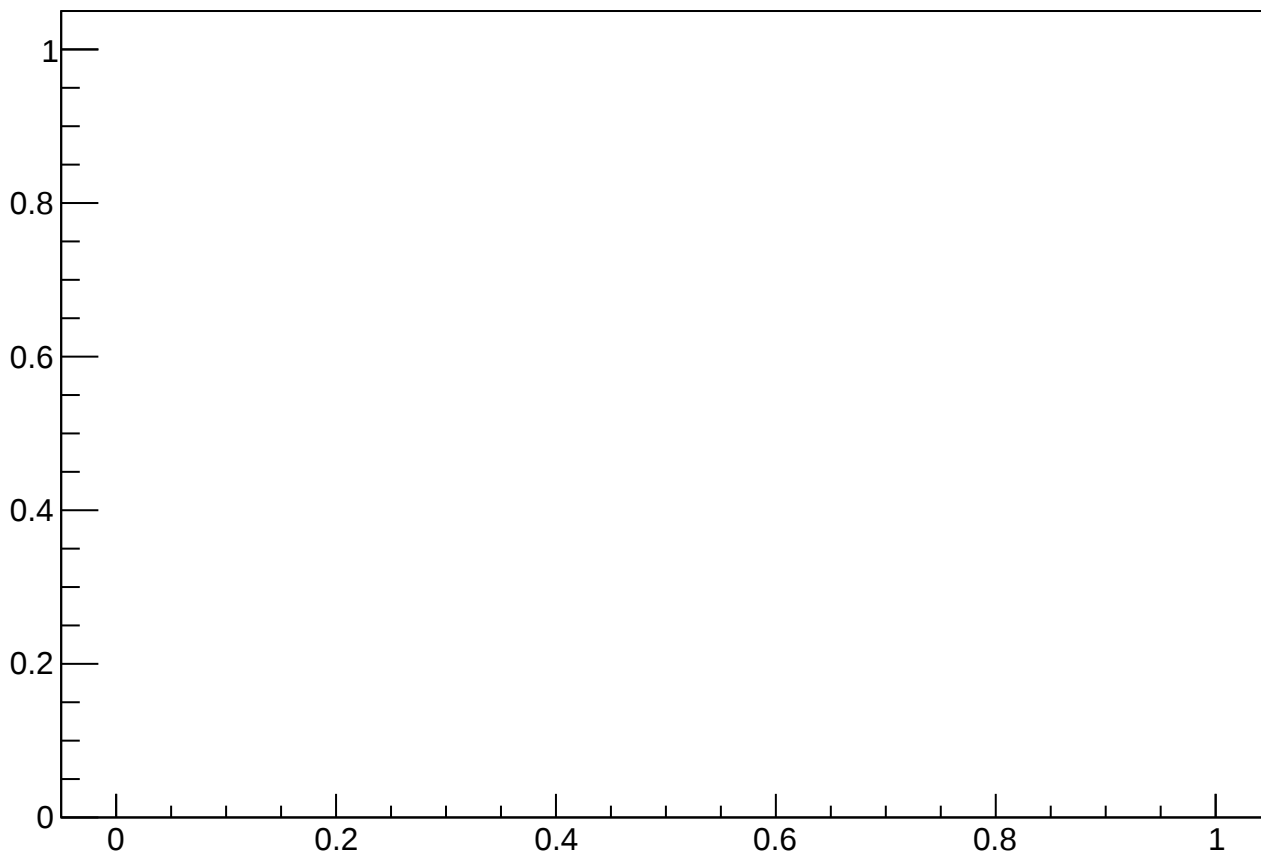
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

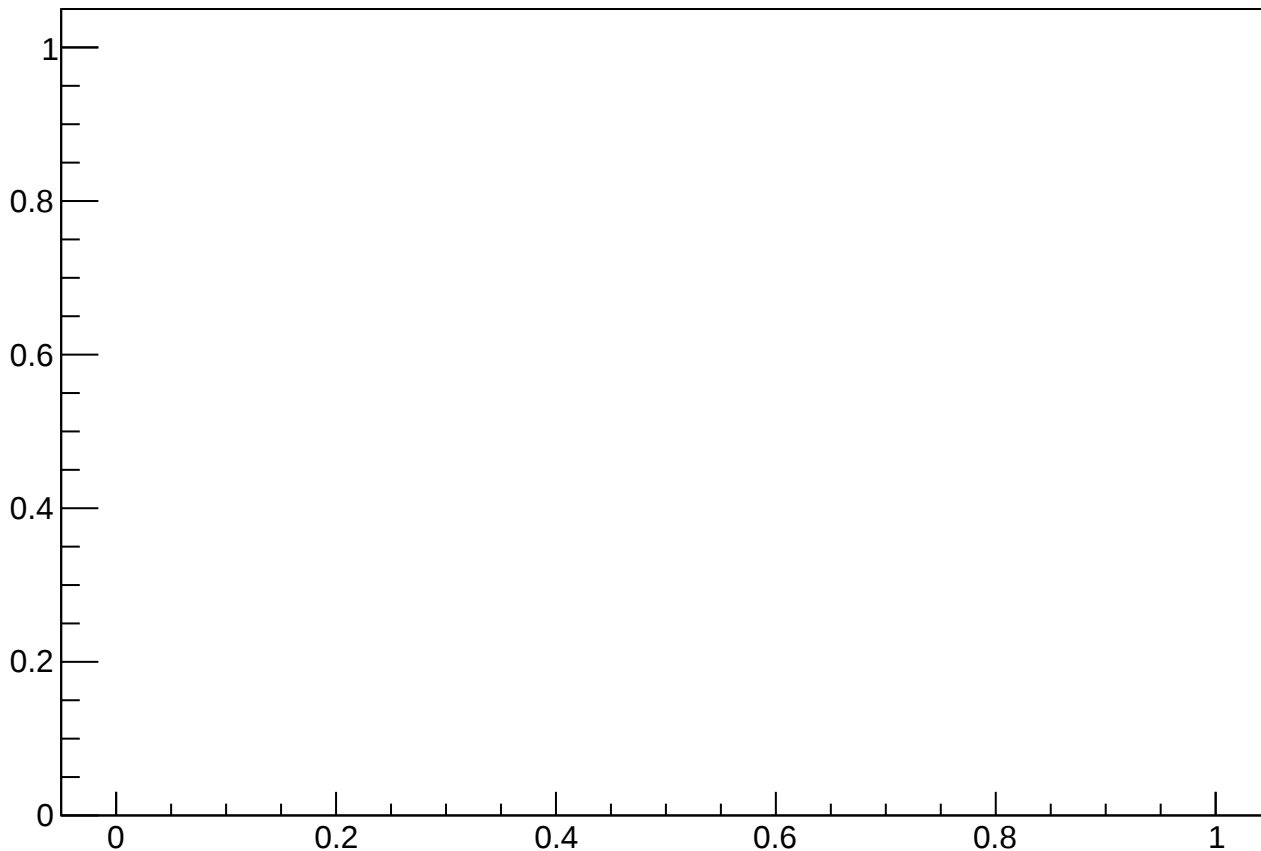
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

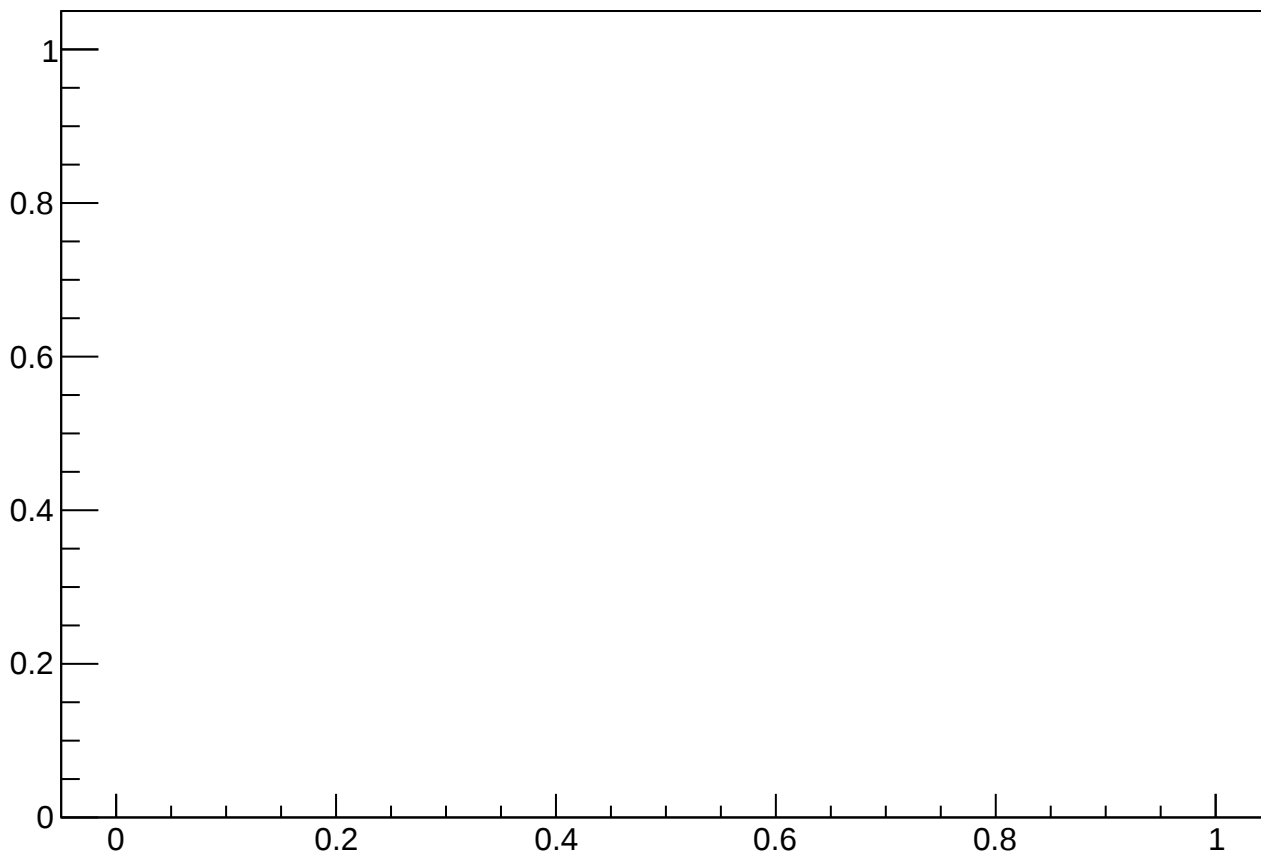
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

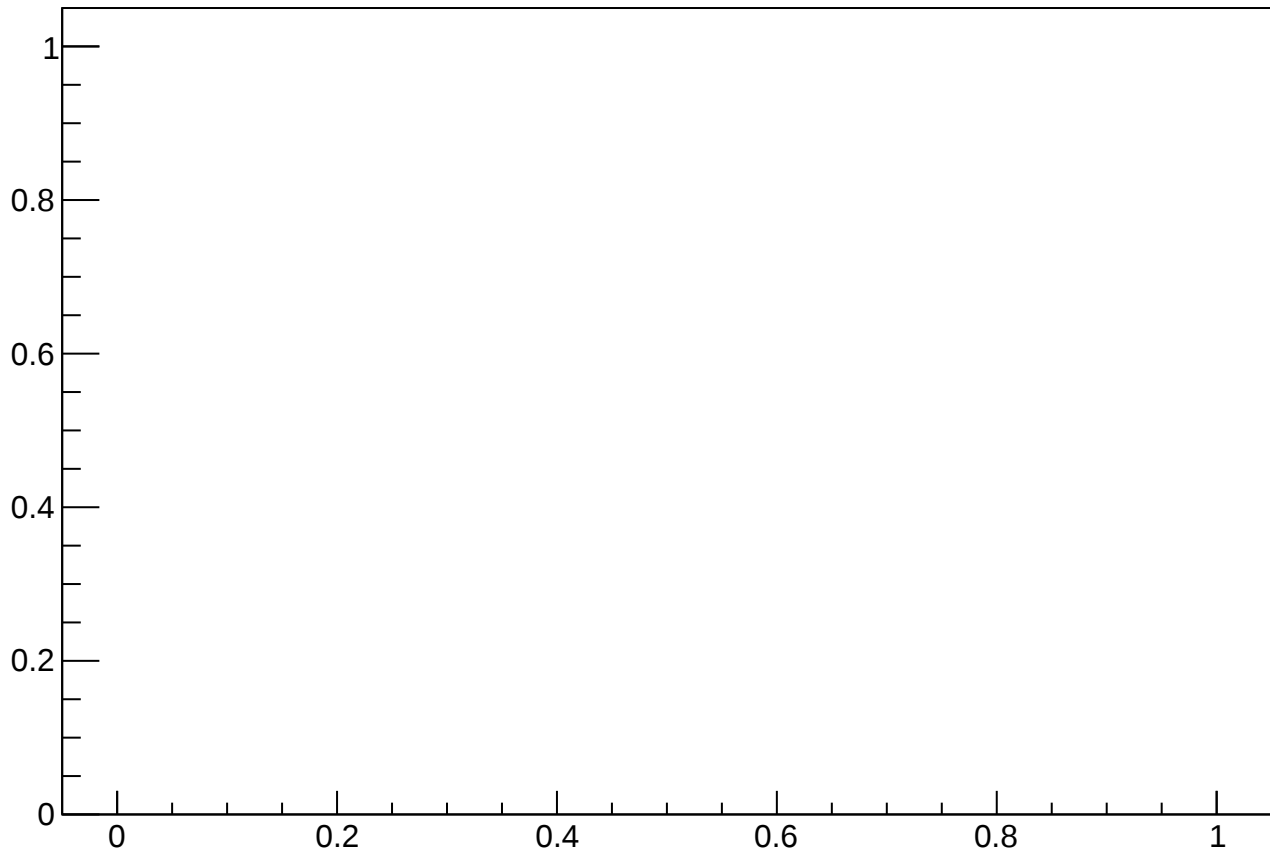
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

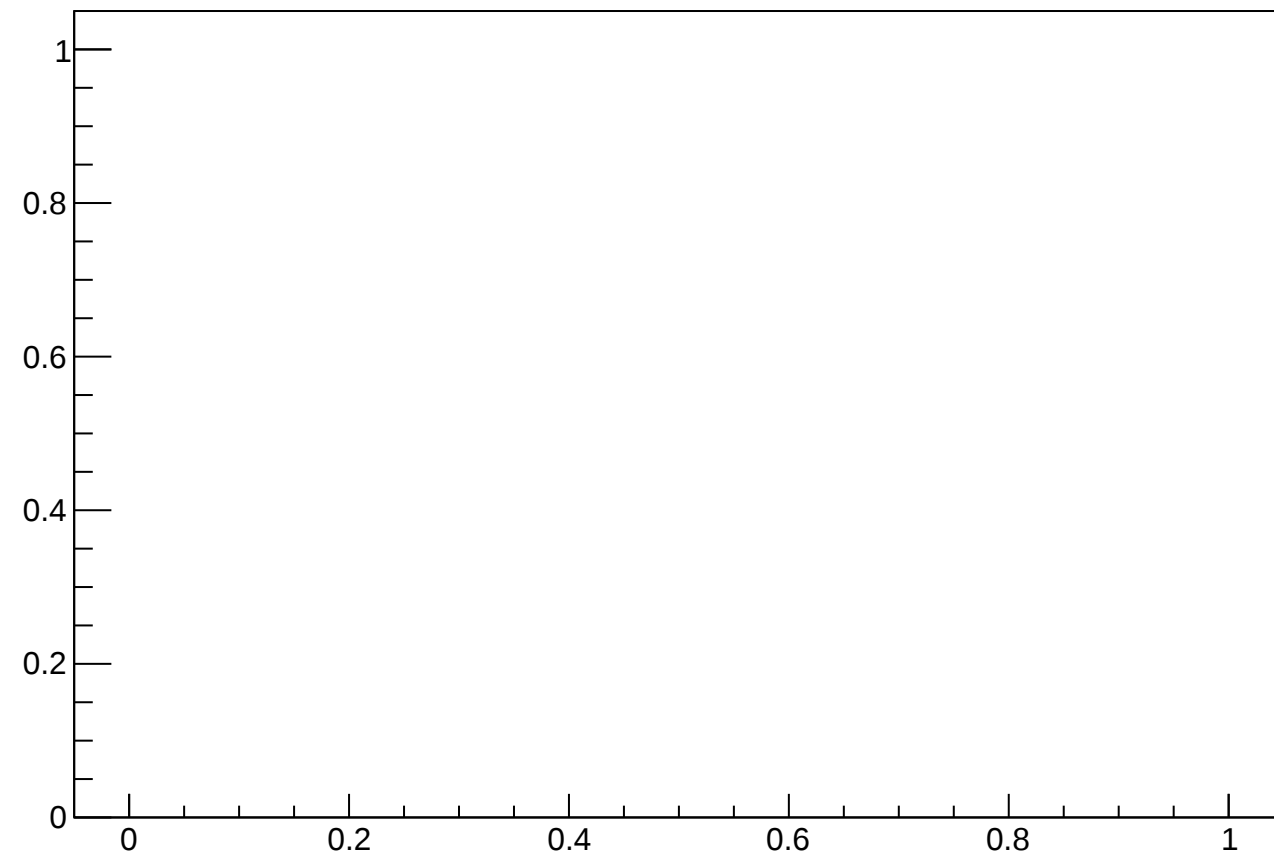
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

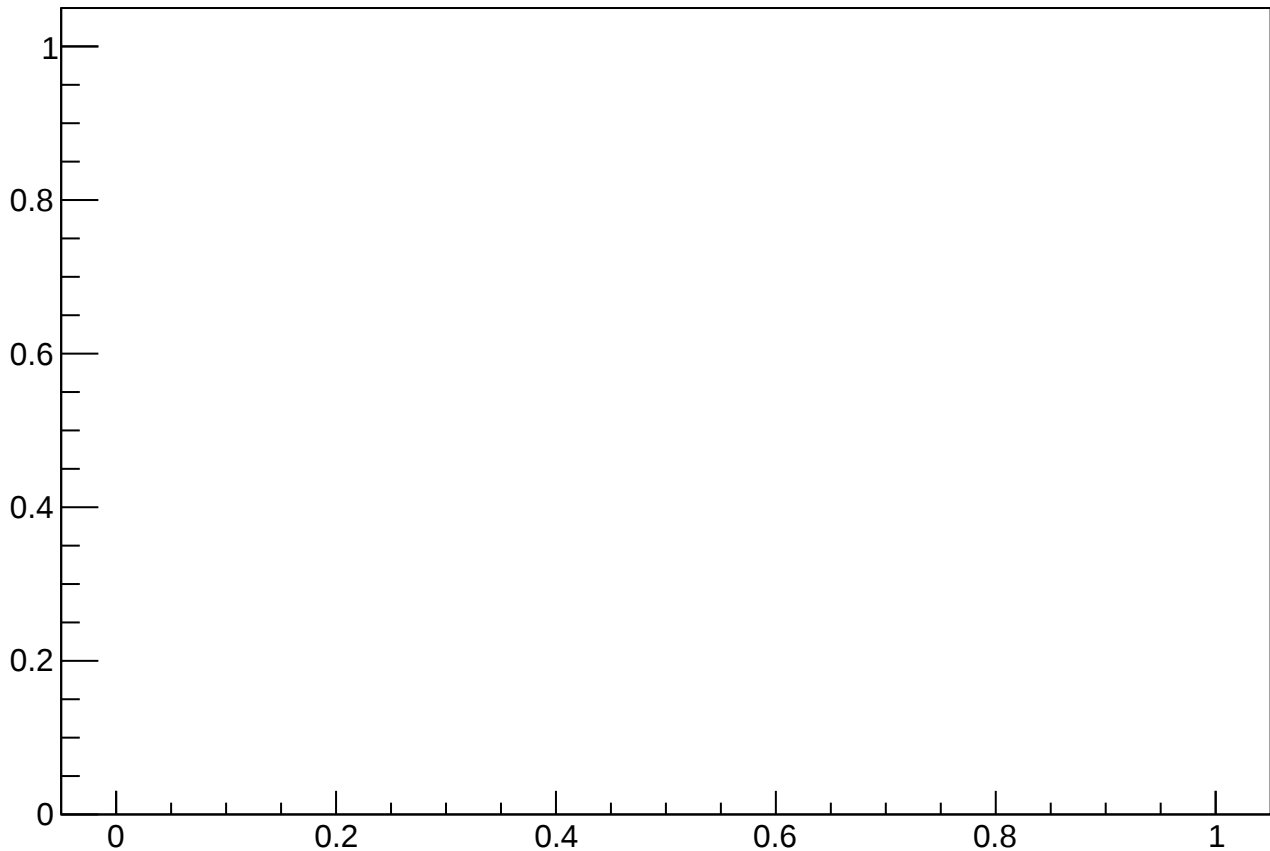
Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

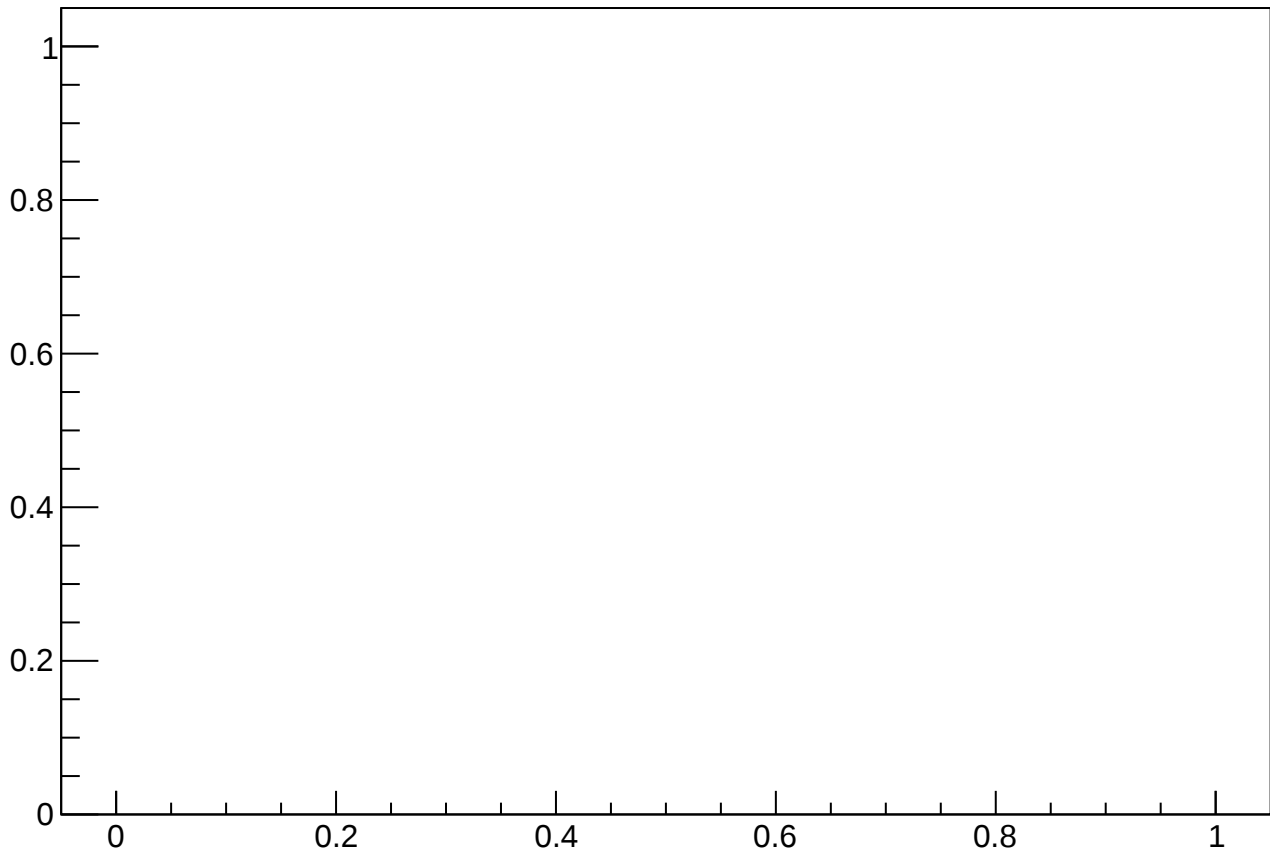
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

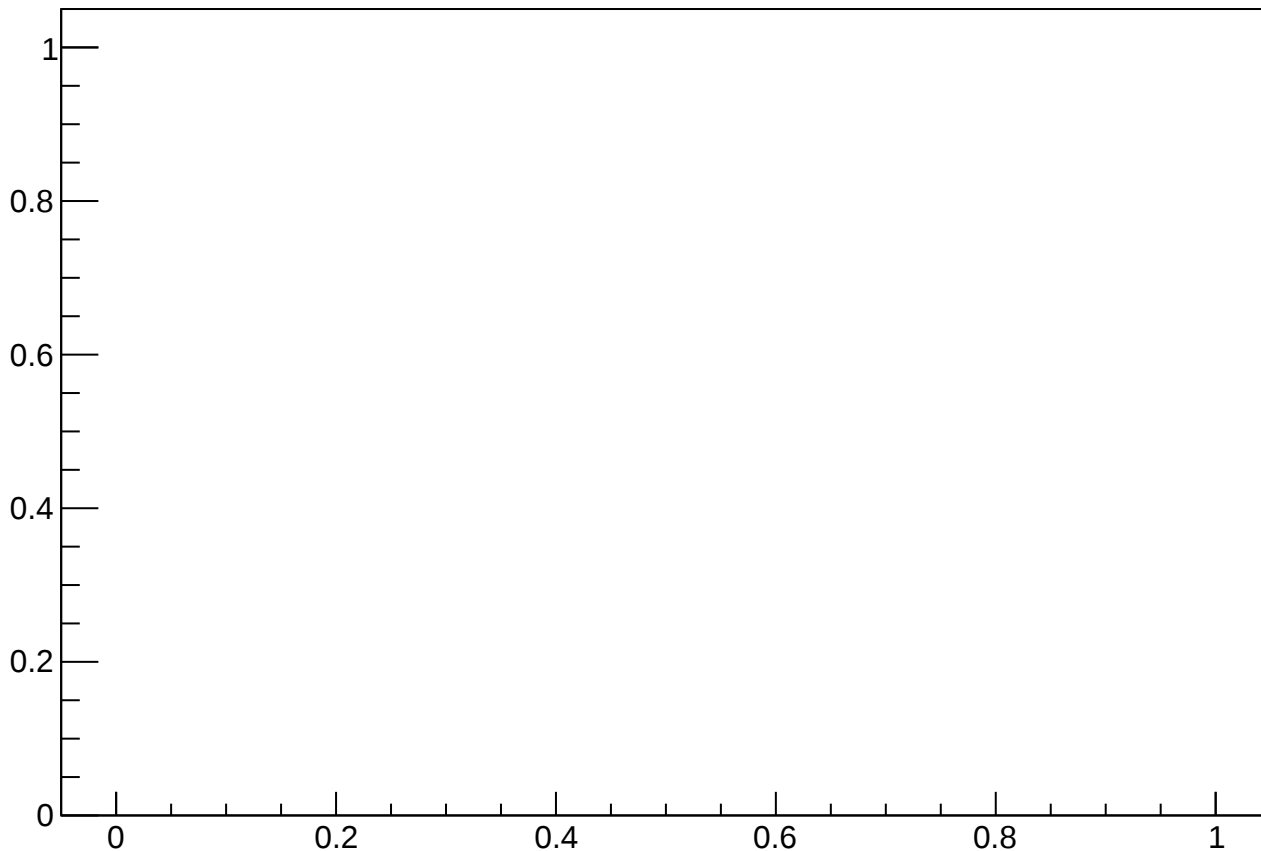
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

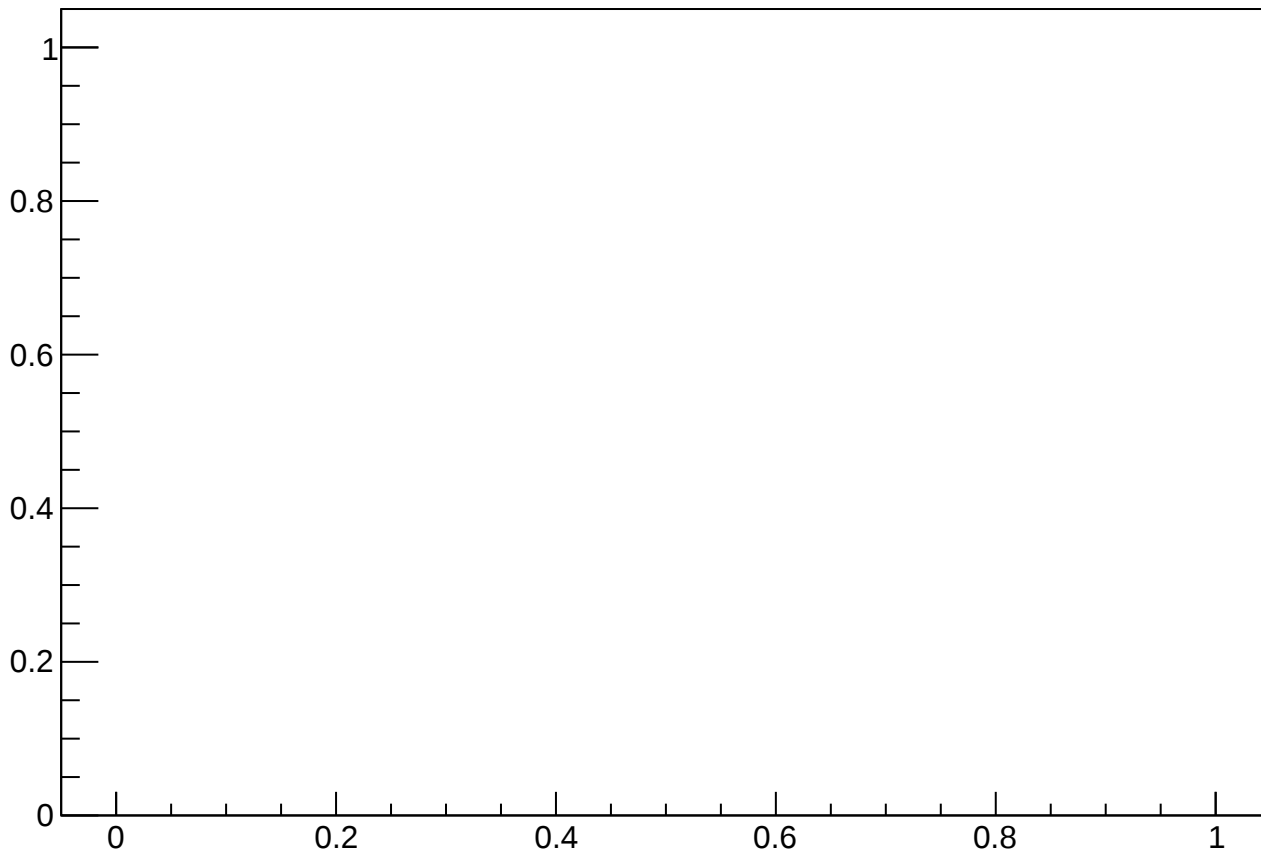
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

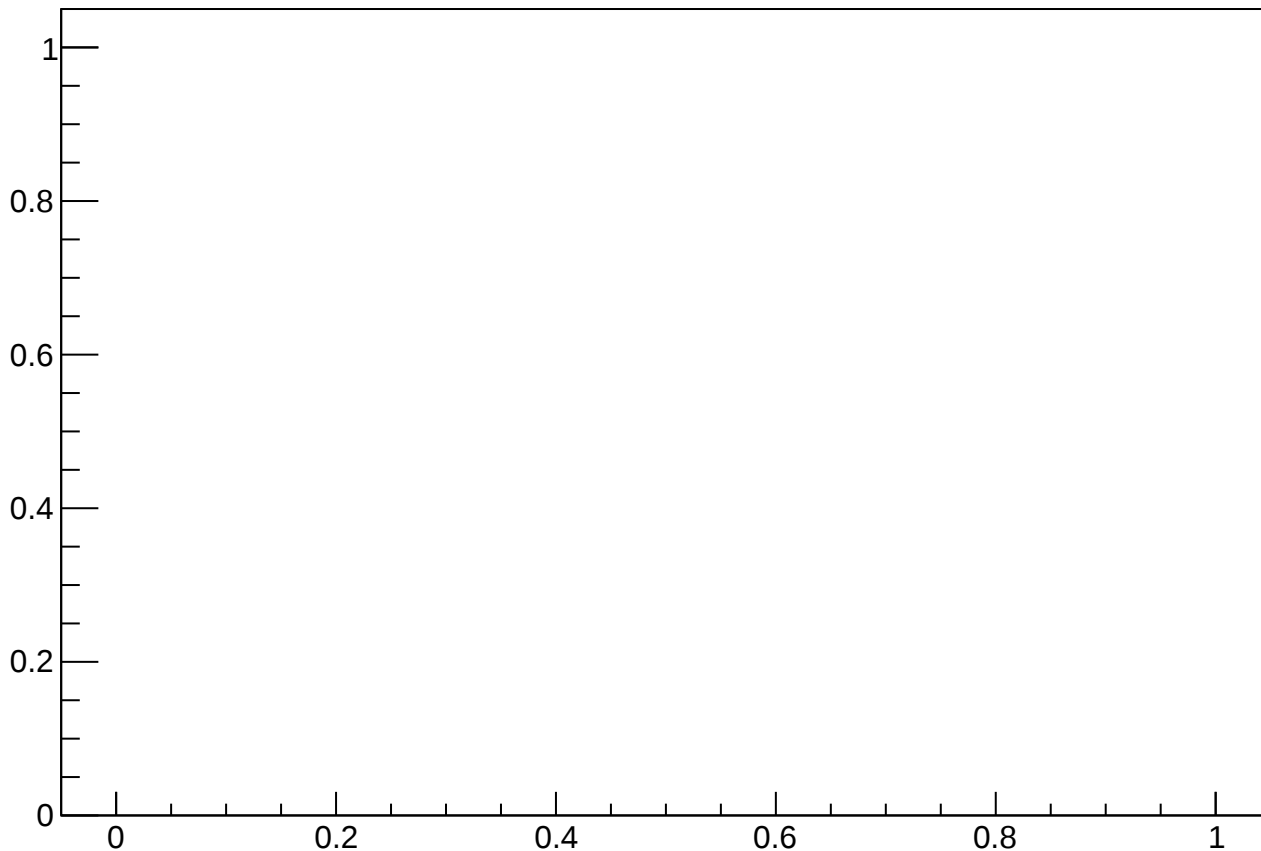
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

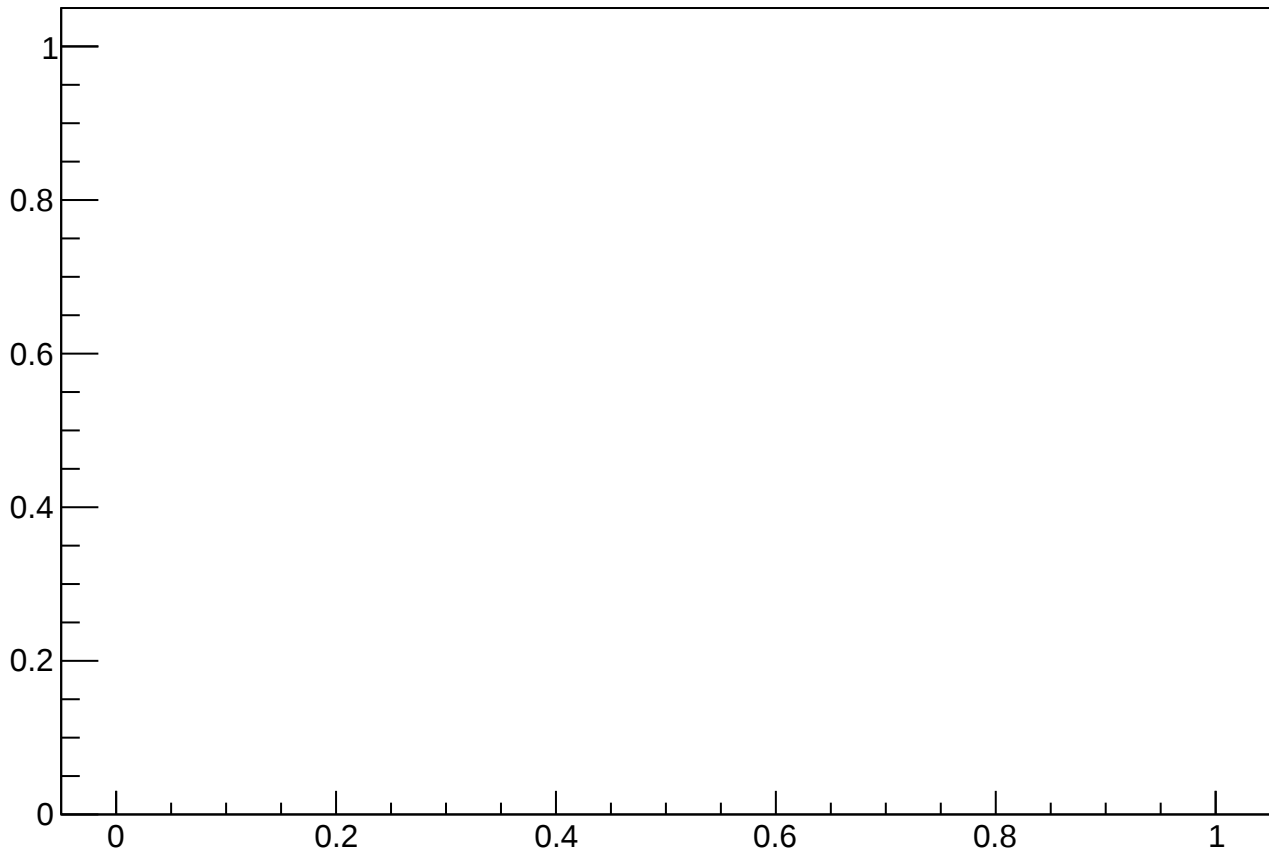
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

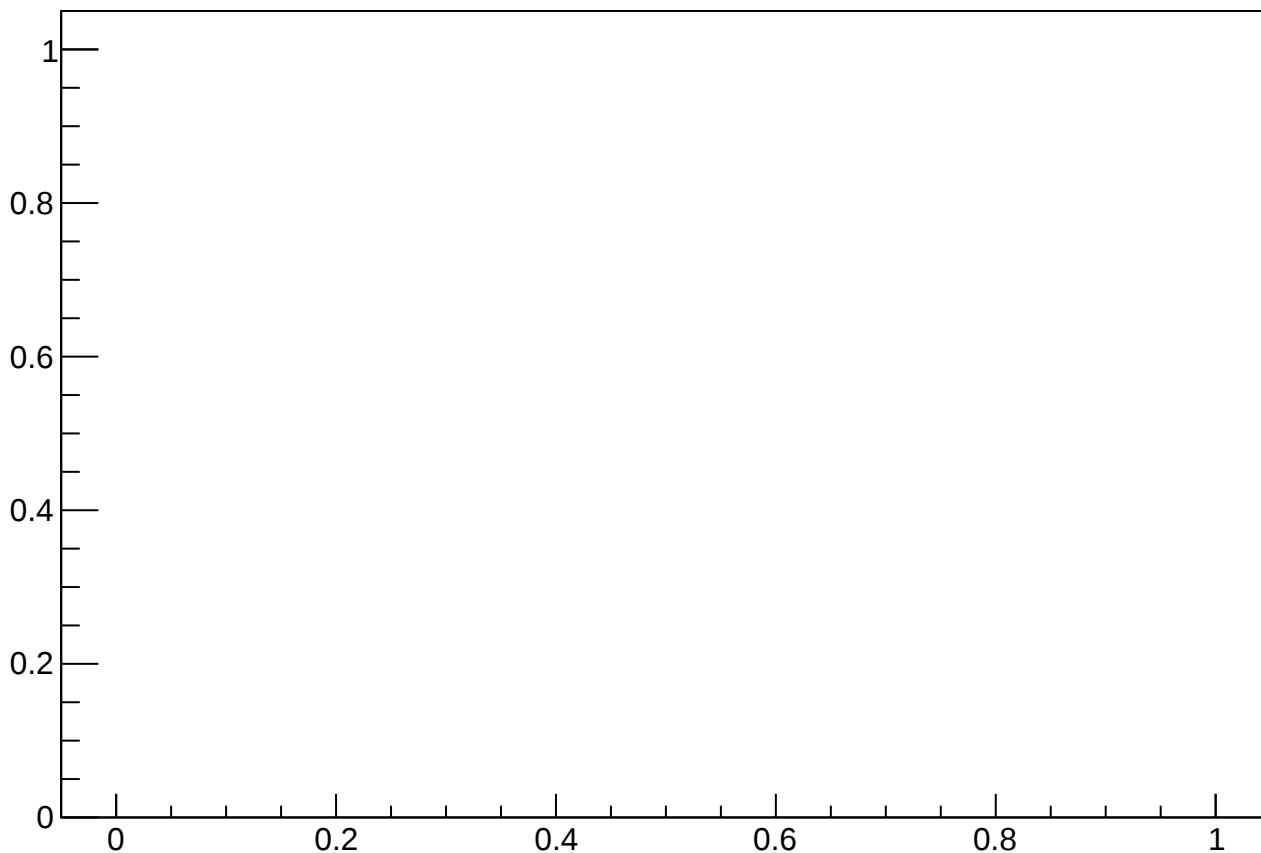
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

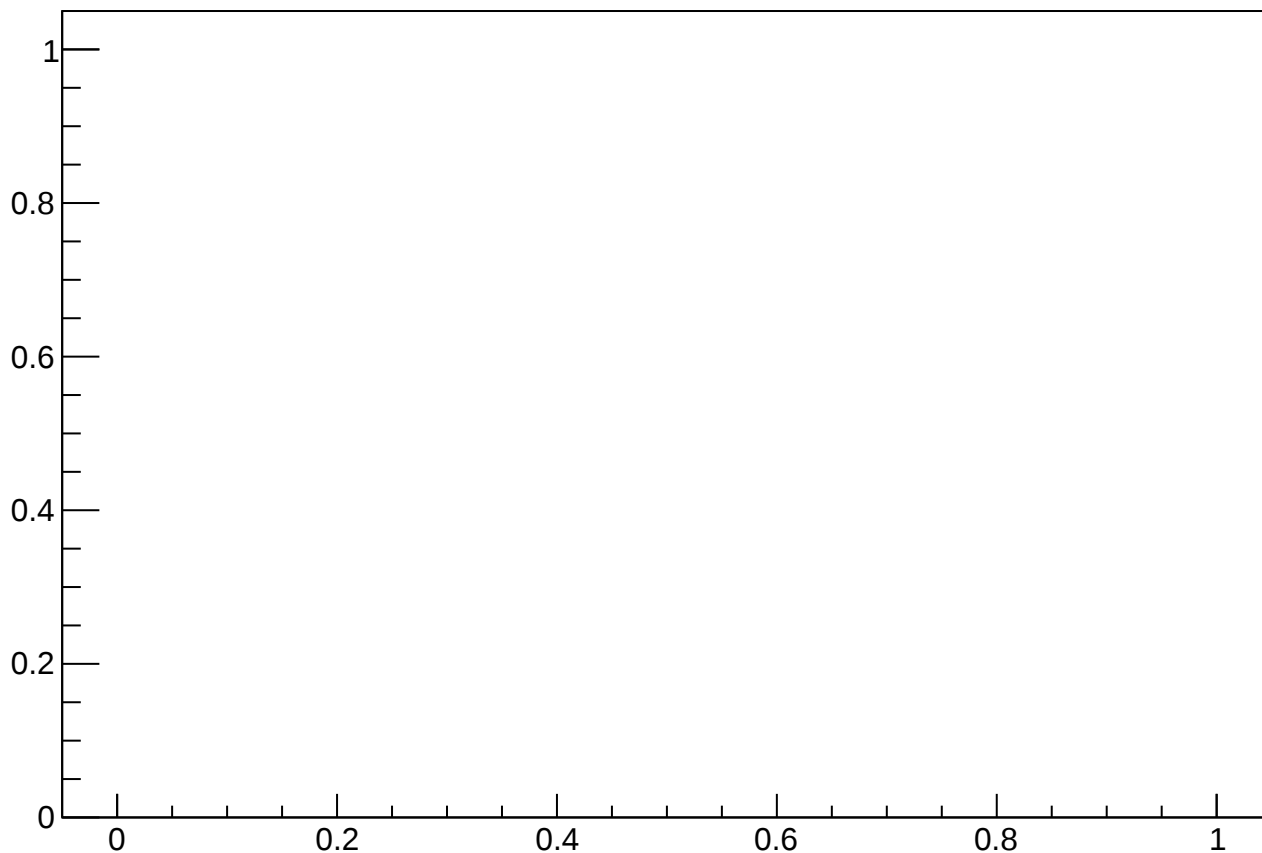
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

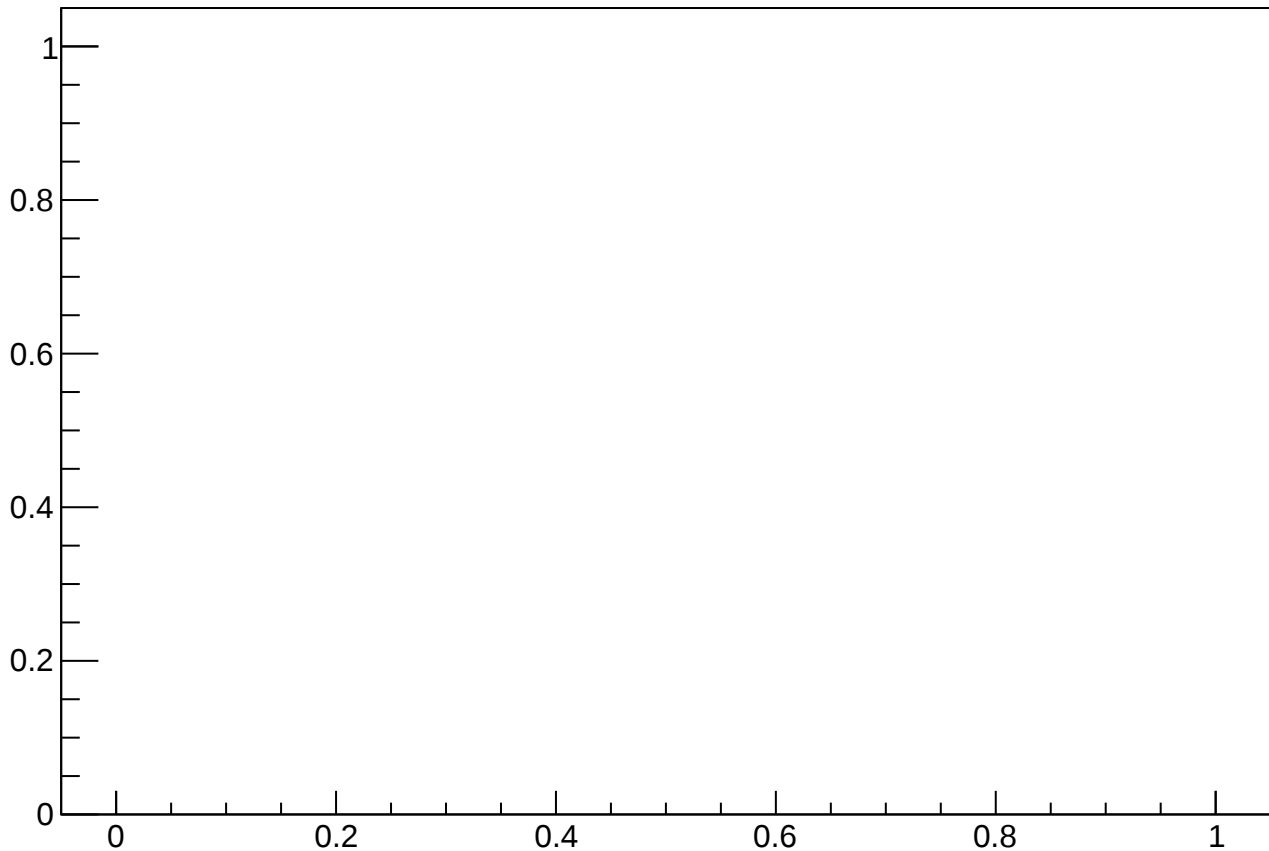
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4aY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

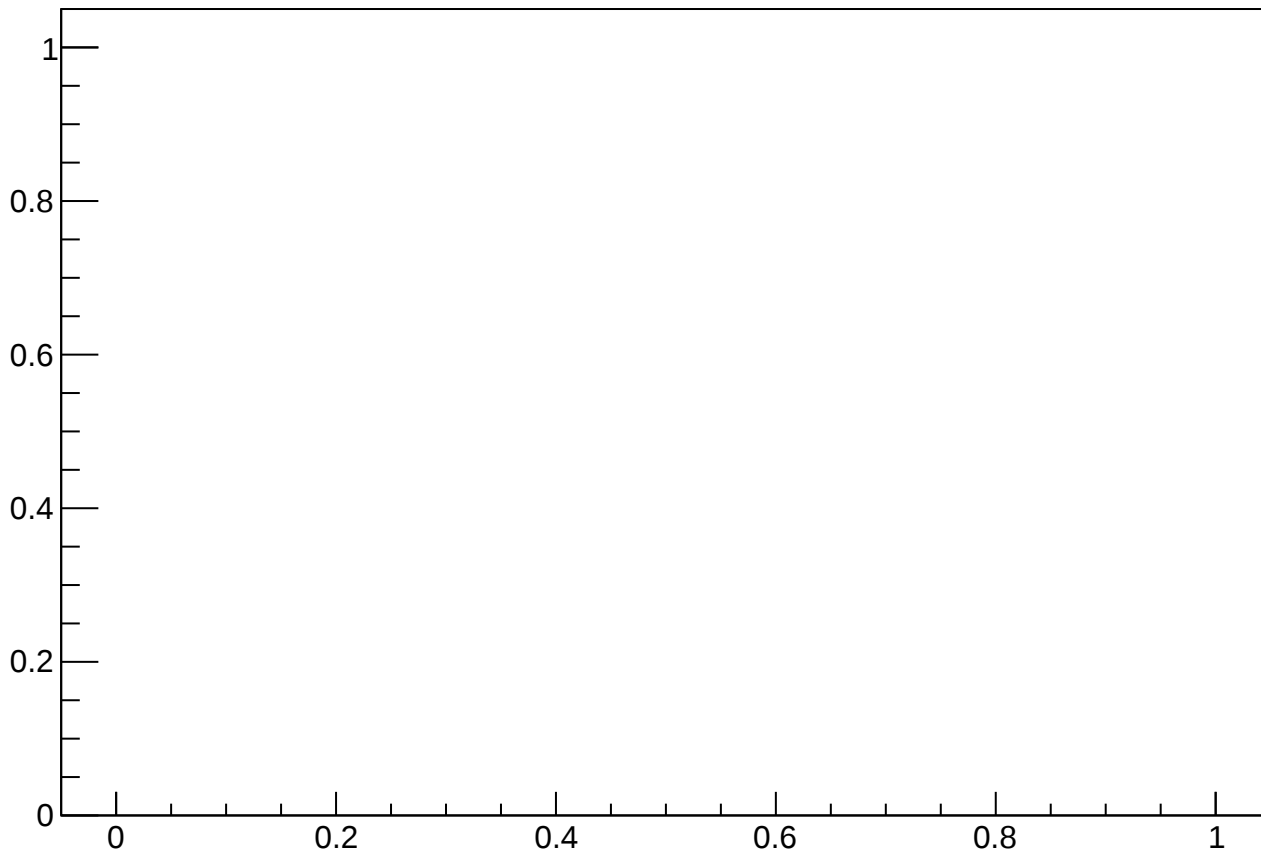
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usl\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

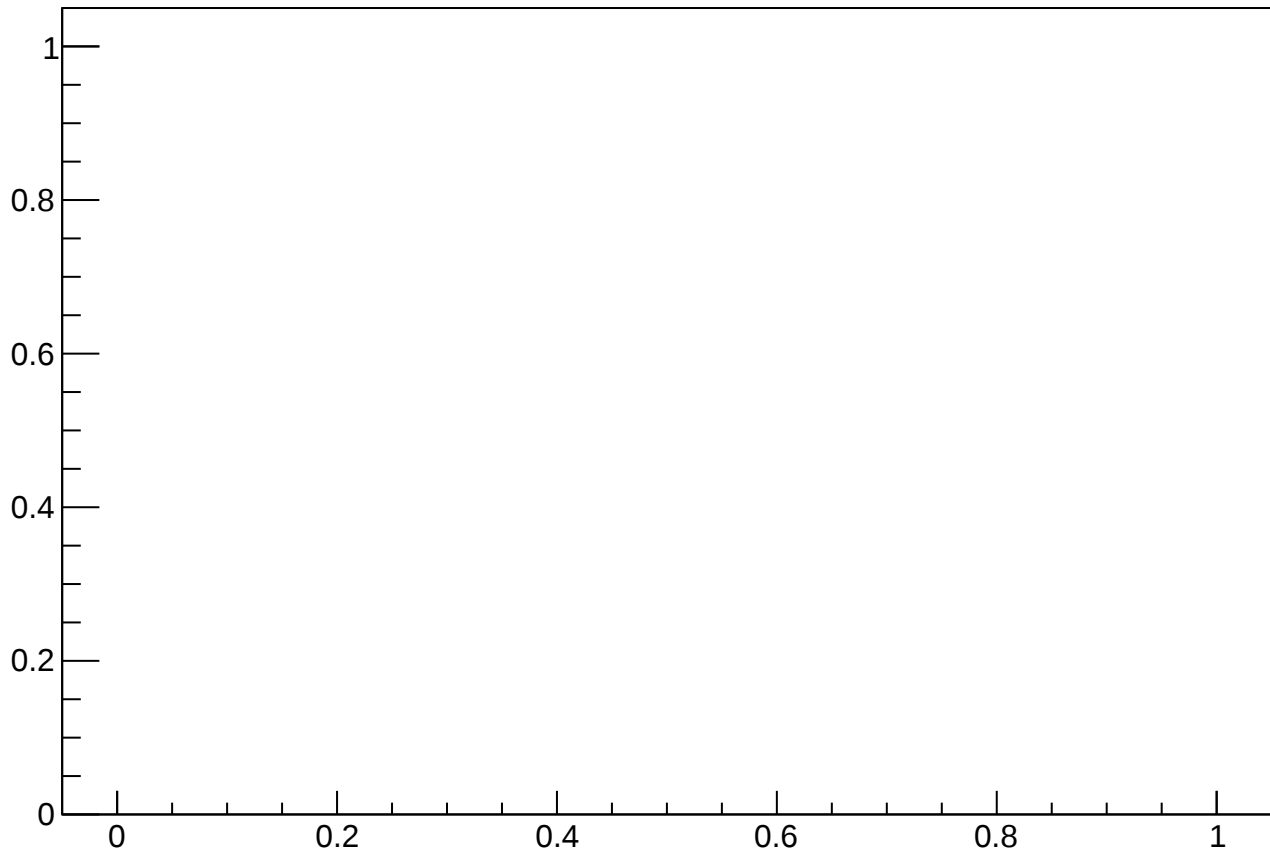
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

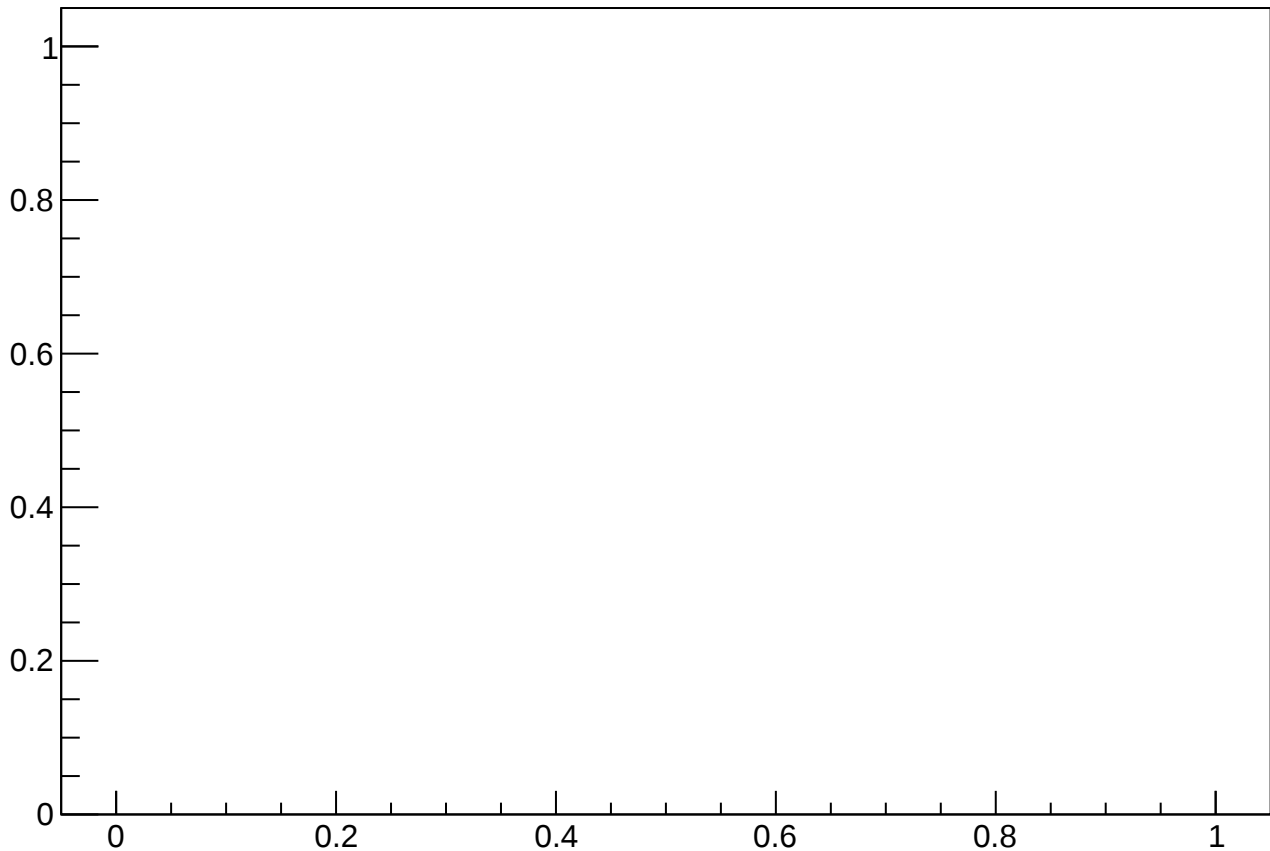
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

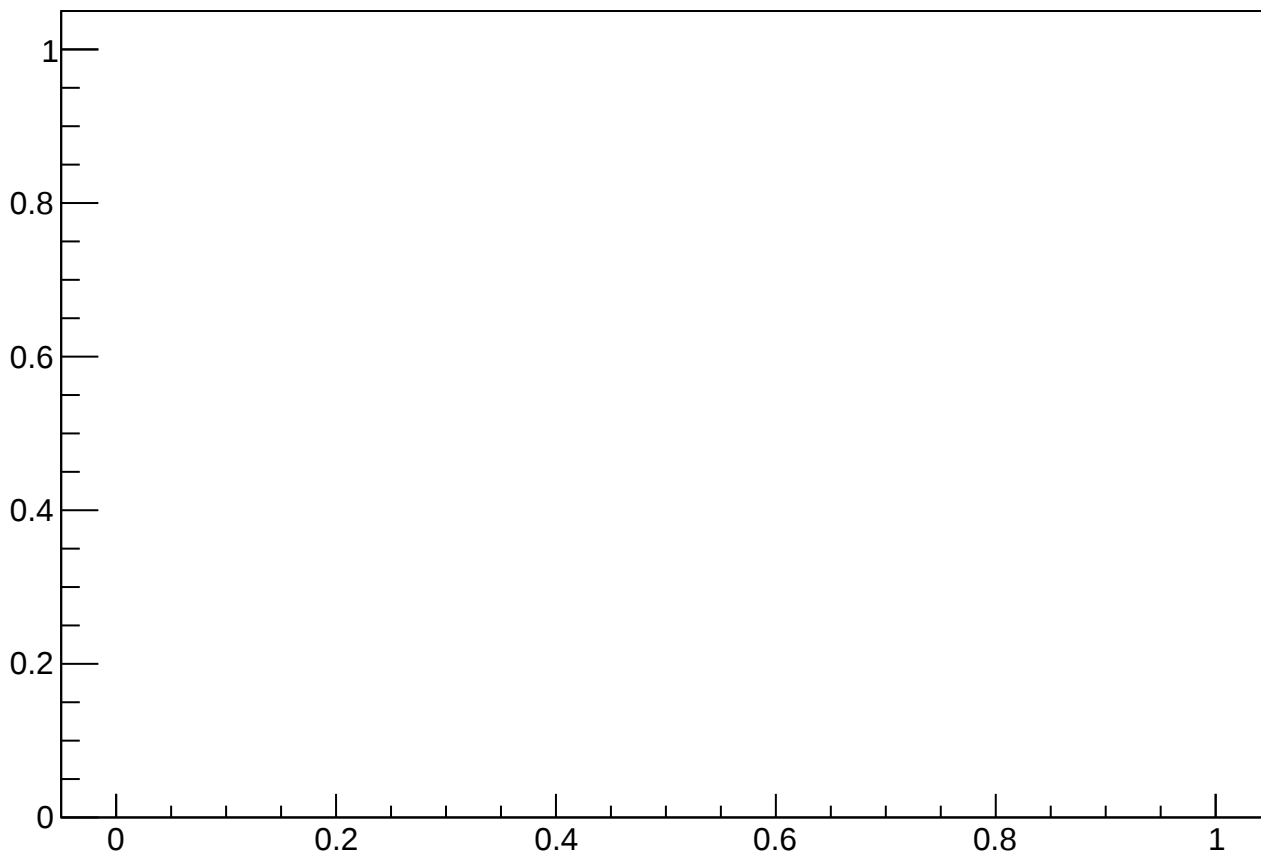
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

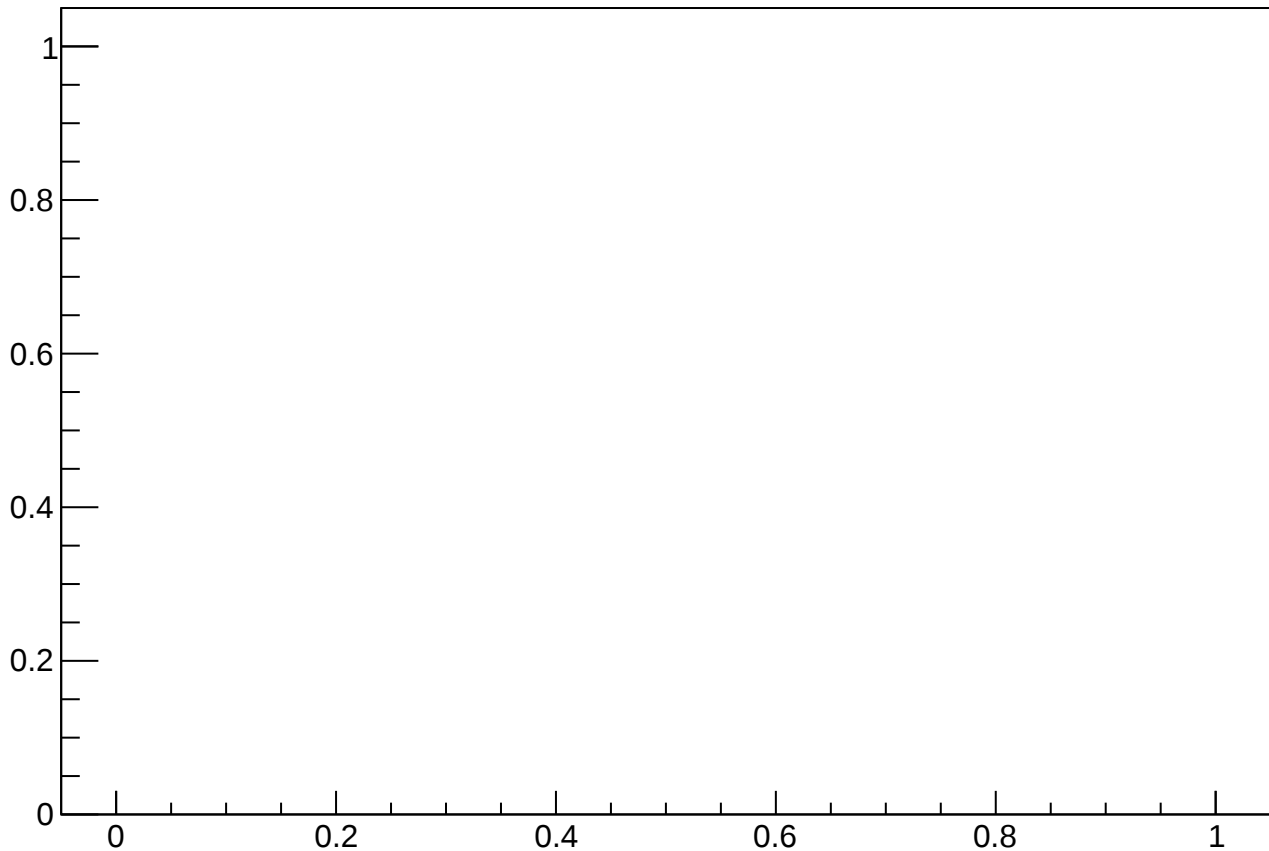
# dit\_run\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_run\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

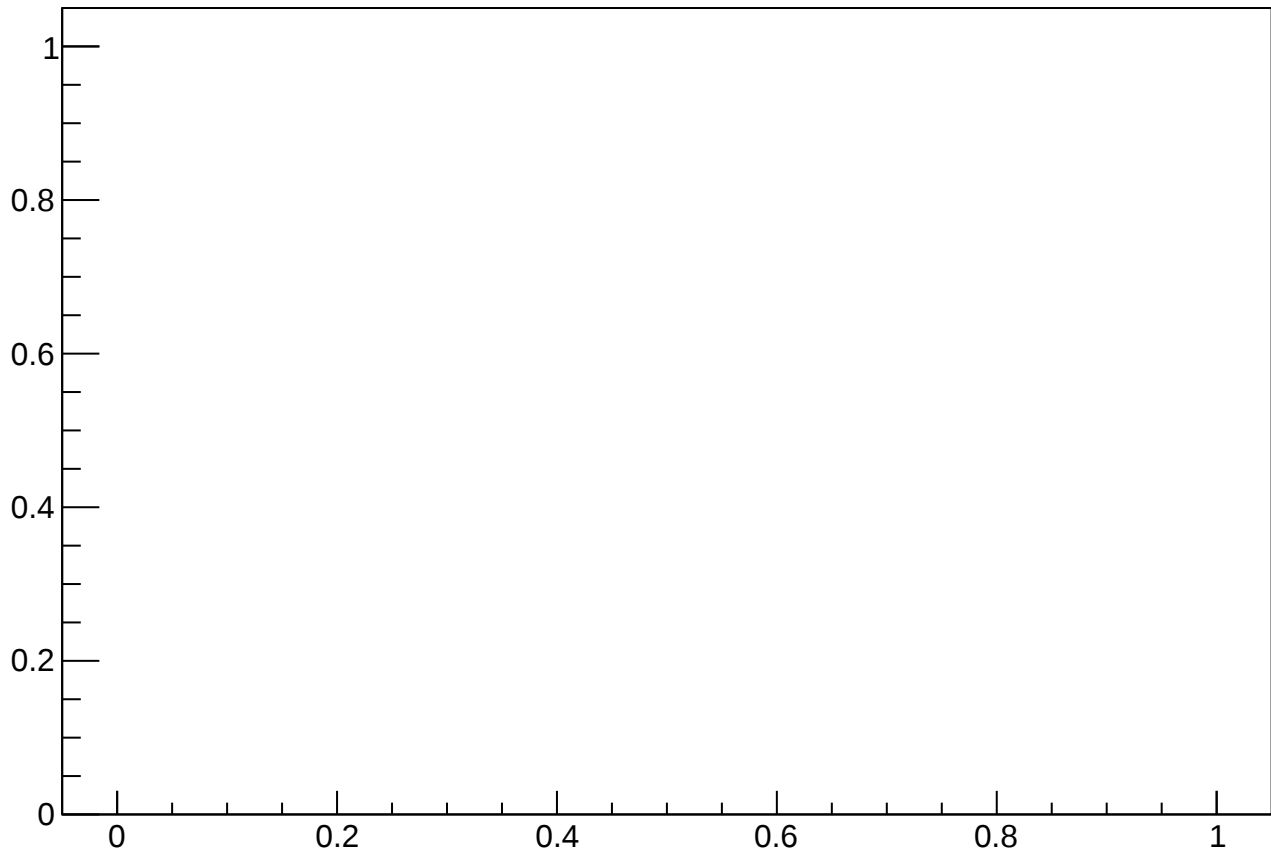
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_slug\_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_cyclenum\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_cyclenum\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

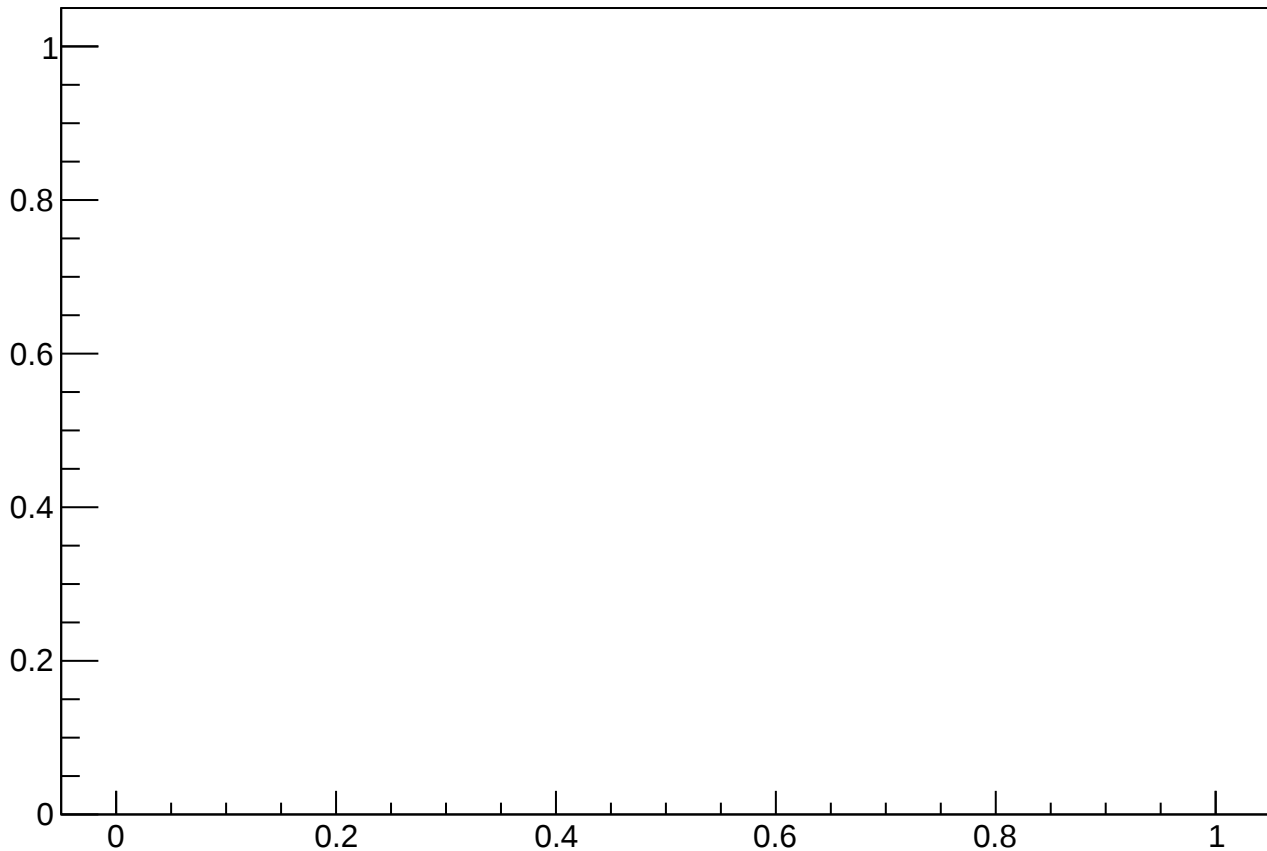
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata1\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

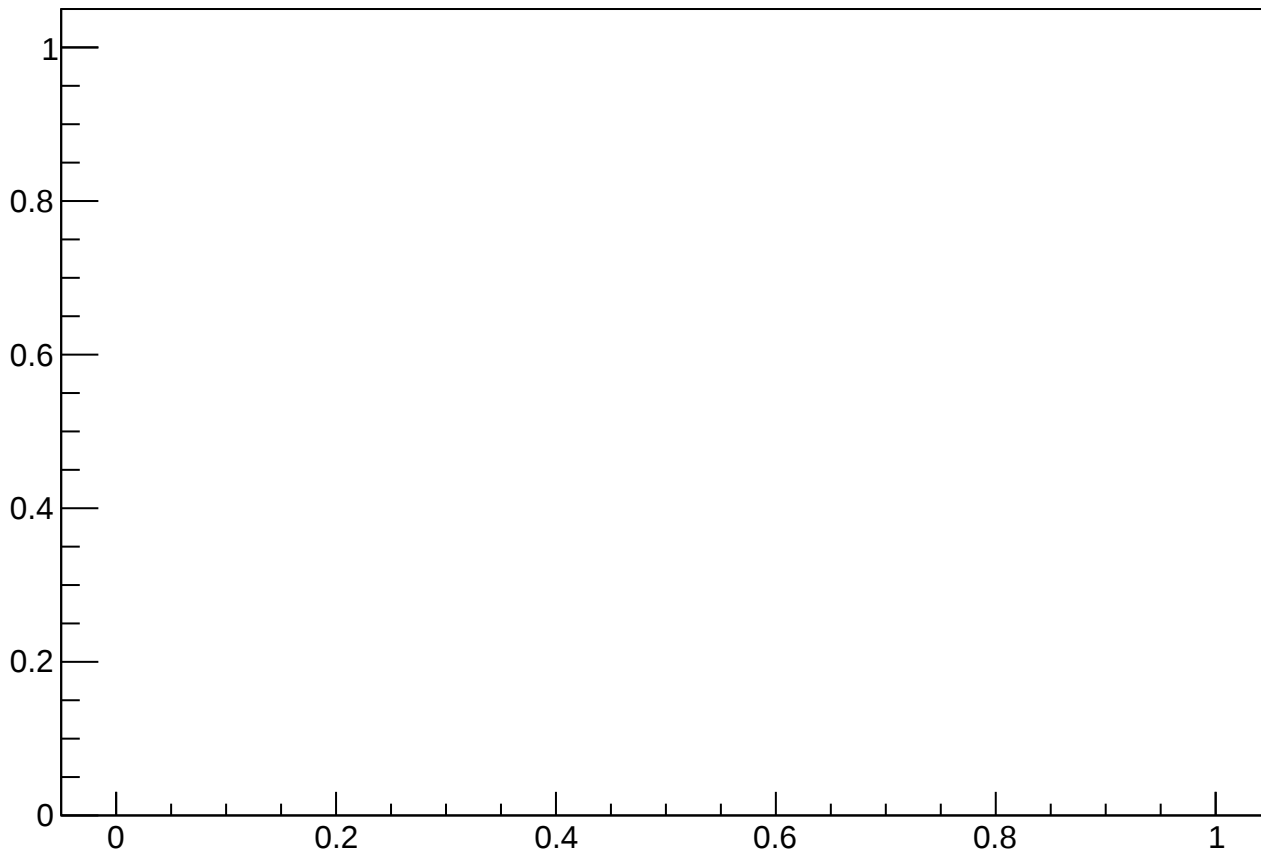
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata2\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata2\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

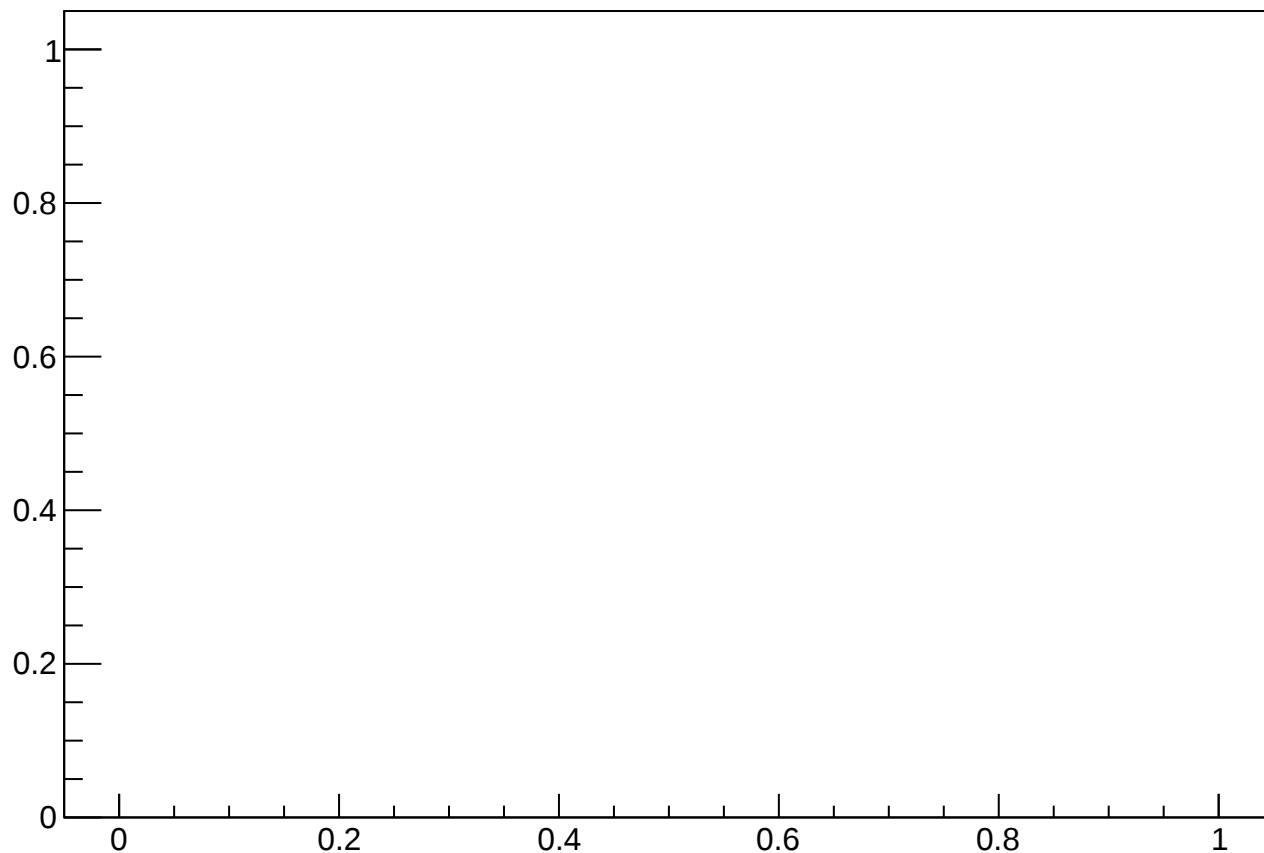
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_flag\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

# dit\_flag\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

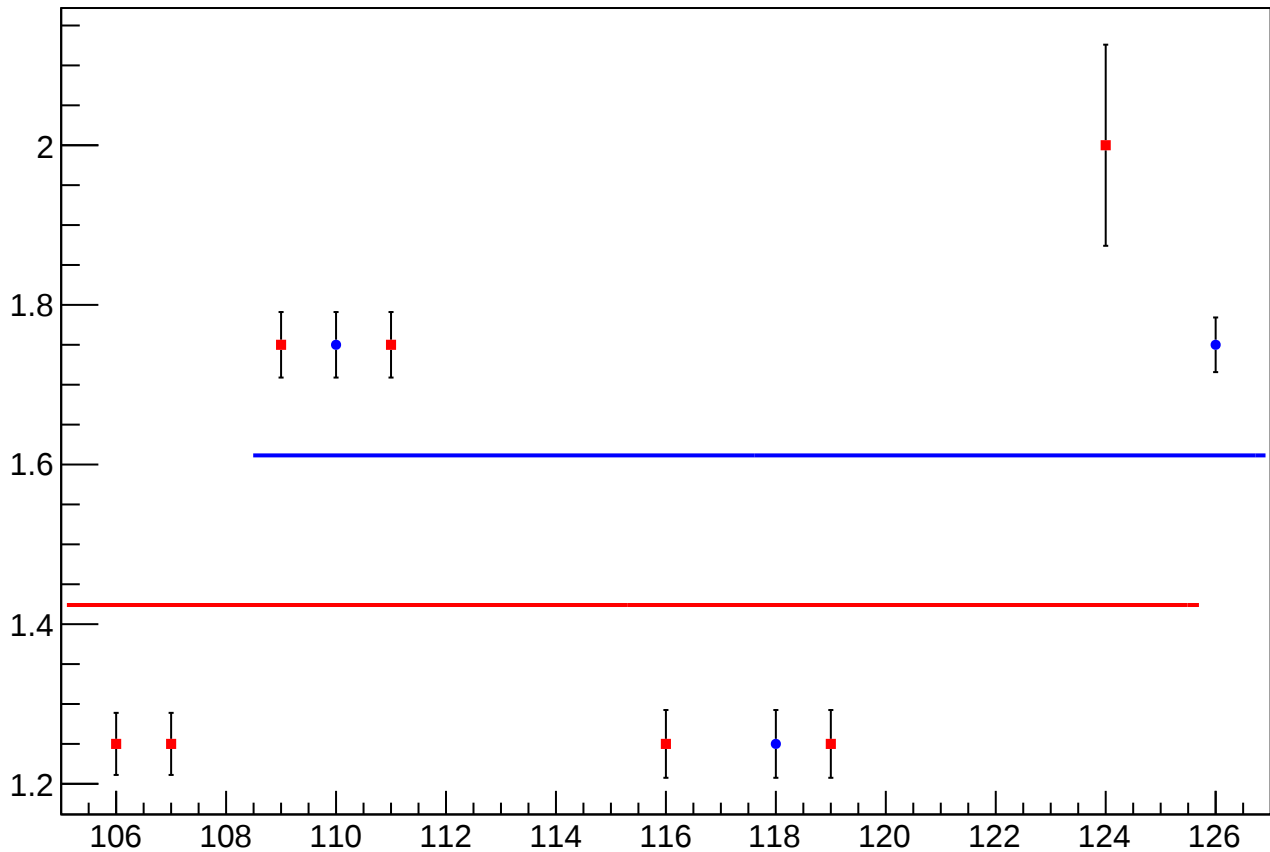
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_segment\_slope vs Slug, Sign Corrected



Right In: 1.611 $\pm$ 0.022  $\chi^2$ /NDF: 100.2/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.424 $\pm$ 0.016  $\chi^2$ /NDF: 220.7/6

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

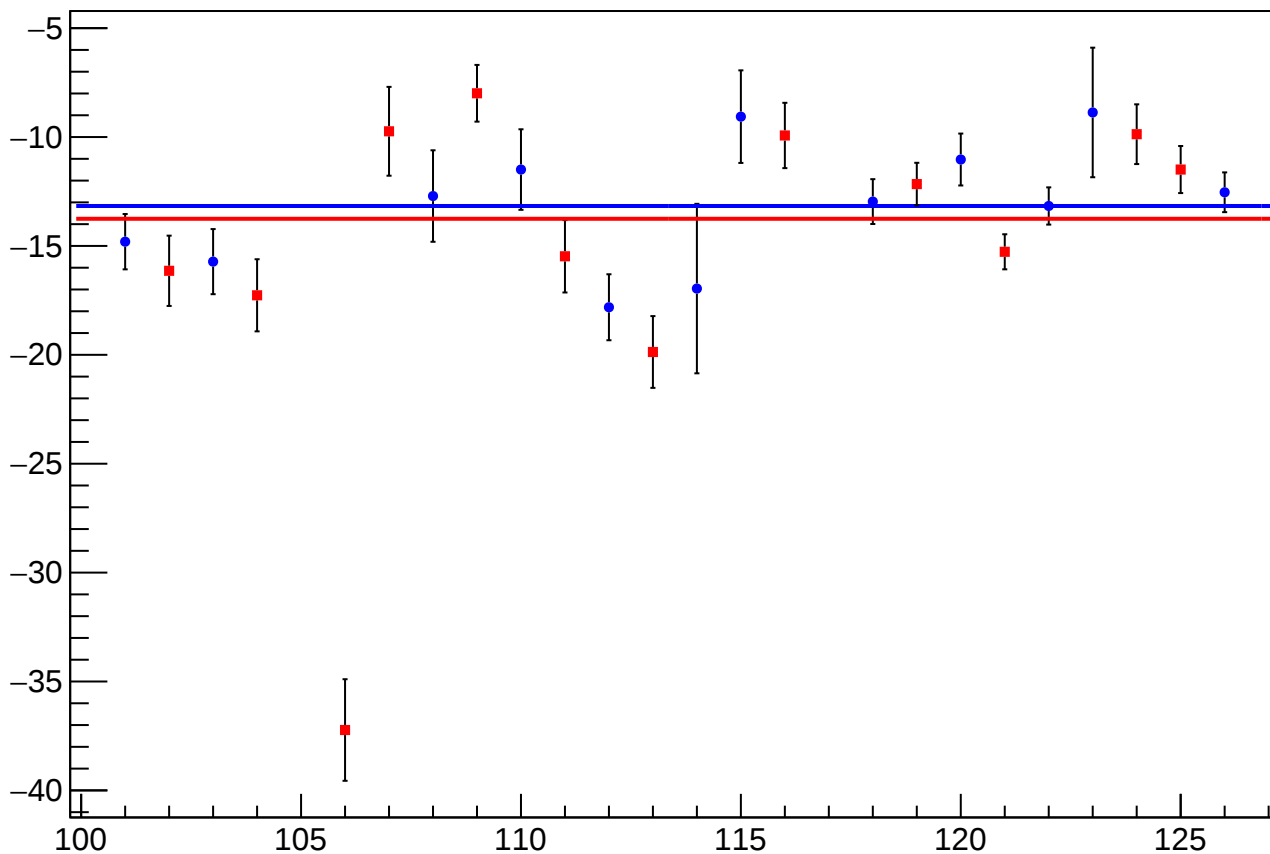
Right: 1.490 $\pm$ 0.013  $\chi^2$ /NDF: 366.5/9

In: 1.611 $\pm$ 0.022  $\chi^2$ /NDF: 100.2/2

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.490 $\pm$ 0.013  $\chi^2$ /NDF: 366.5/9

reg\_asym\_sam1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -13.166 $\pm$ 0.388  $\chi^2$ /NDF: 25.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -13.753 $\pm$ 0.380  $\chi^2$ /NDF: 171.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

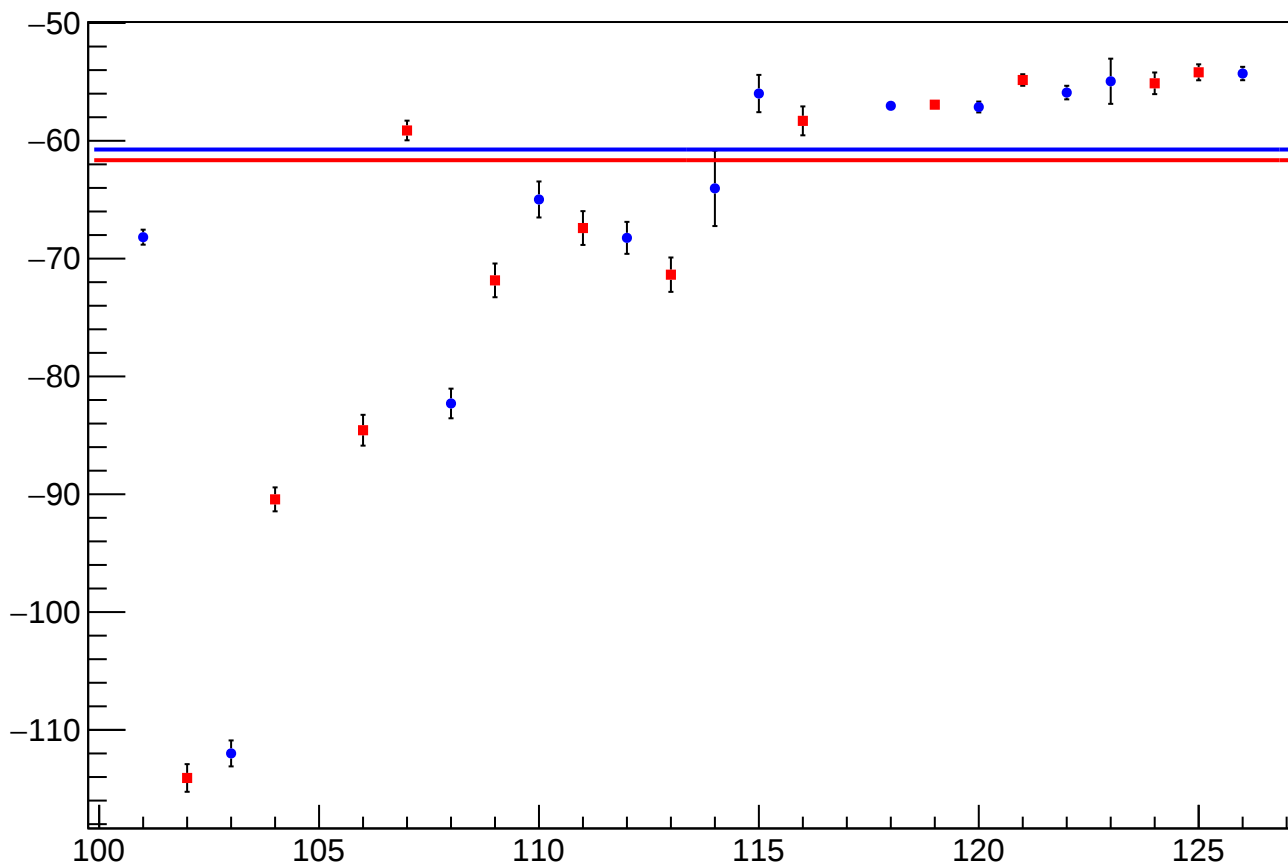
Right: -13.465 $\pm$ 0.272  $\chi^2$ /NDF: 197.9/23

In: -13.166 $\pm$ 0.388  $\chi^2$ /NDF:25.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -13.465 $\pm$ 0.272  $\chi^2$ /NDF: 197.9/23

reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -60.740+/-0.207  $\chi^2/\text{NDF}$ : 3004.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -61.647+/-0.221  $\chi^2/\text{NDF}$ : 3755.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

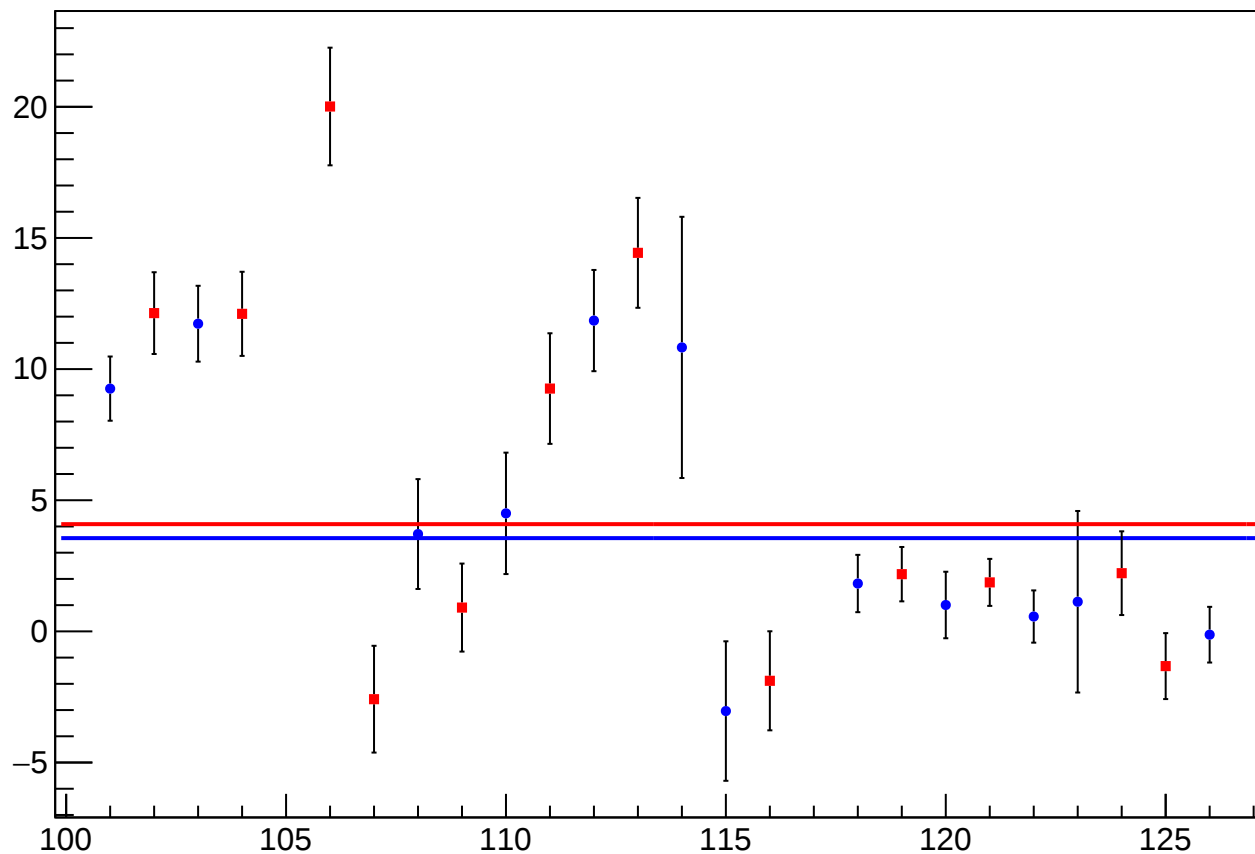
Right: -61.164+/-0.151  $\chi^2/\text{NDF}$ : 6769.7/23

In: -60.740+/-0.207  $\chi^2/\text{NDF}$ :3004.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -61.164+/-0.151  $\chi^2/\text{NDF}$ : 6769.7/23

reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 3.555 $\pm$ 0.428  $\chi^2$ /NDF: 108.7/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.088 $\pm$ 0.425  $\chi^2$ /NDF: 186.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

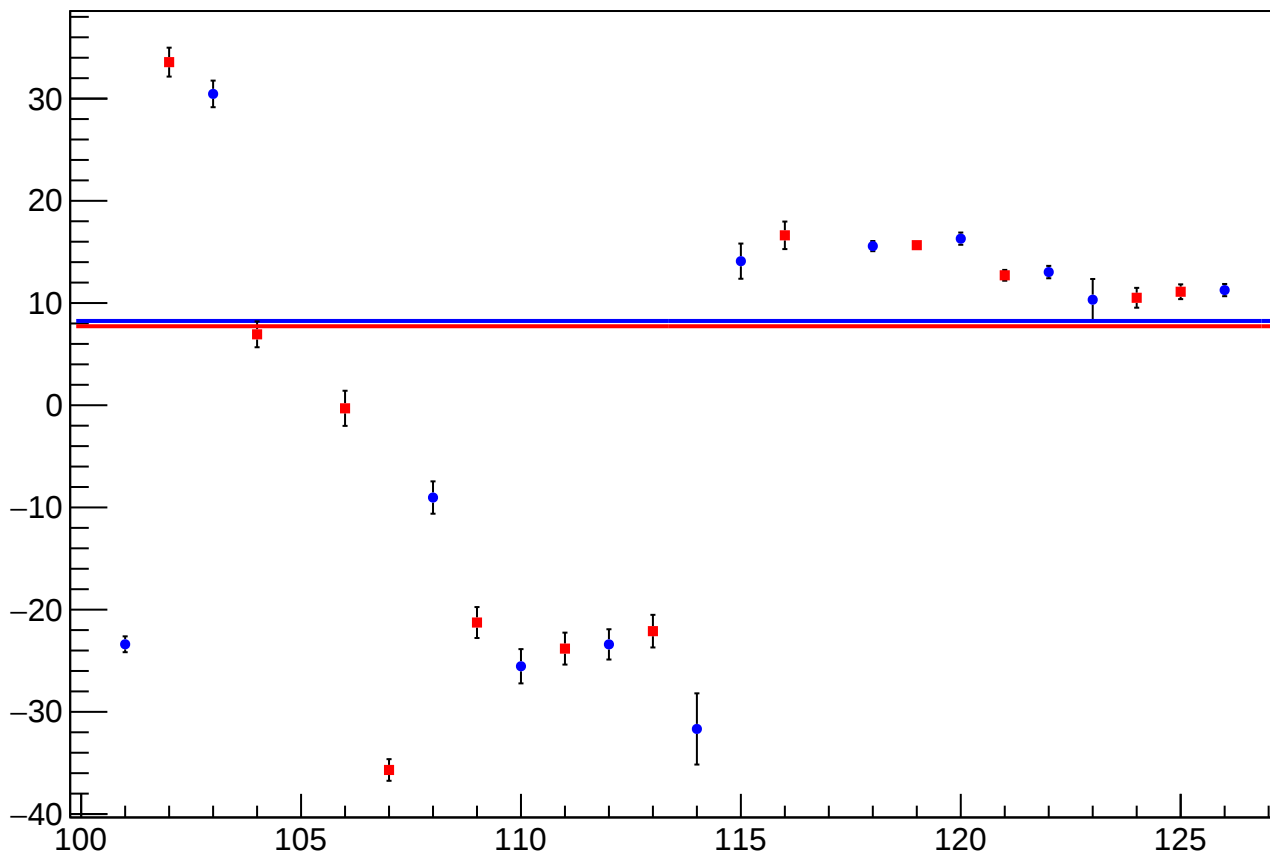
Right: 3.824 $\pm$ 0.302  $\chi^2$ /NDF: 295.6/23

In: 3.555 $\pm$ 0.428  $\chi^2$ /NDF:108.7/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 3.824 $\pm$ 0.302  $\chi^2$ /NDF: 295.6/23

reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.246+/-0.246  $\chi^2/\text{NDF}$ : 3566.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.728+/-0.258  $\chi^2/\text{NDF}$ : 3592.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

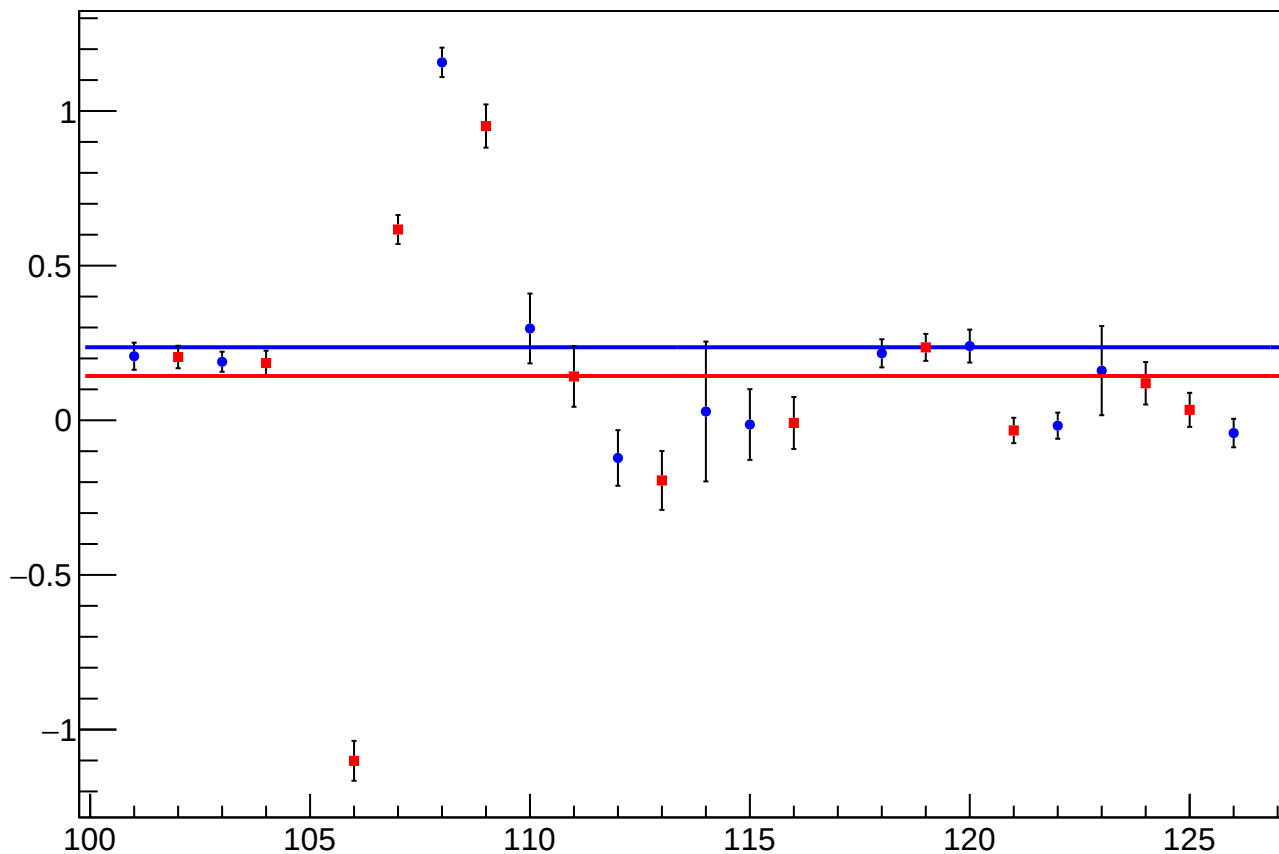
Right: 7.999+/-0.178  $\chi^2/\text{NDF}$ : 7161.3/23

In: 8.246+/-0.246  $\chi^2/\text{NDF}$ : 3566.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.999+/-0.178  $\chi^2/\text{NDF}$ : 7161.3/23

reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.236 $\pm$ 0.016  $\chi^2$ /NDF: 471.8/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.143 $\pm$ 0.015  $\chi^2$ /NDF: 655.1/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

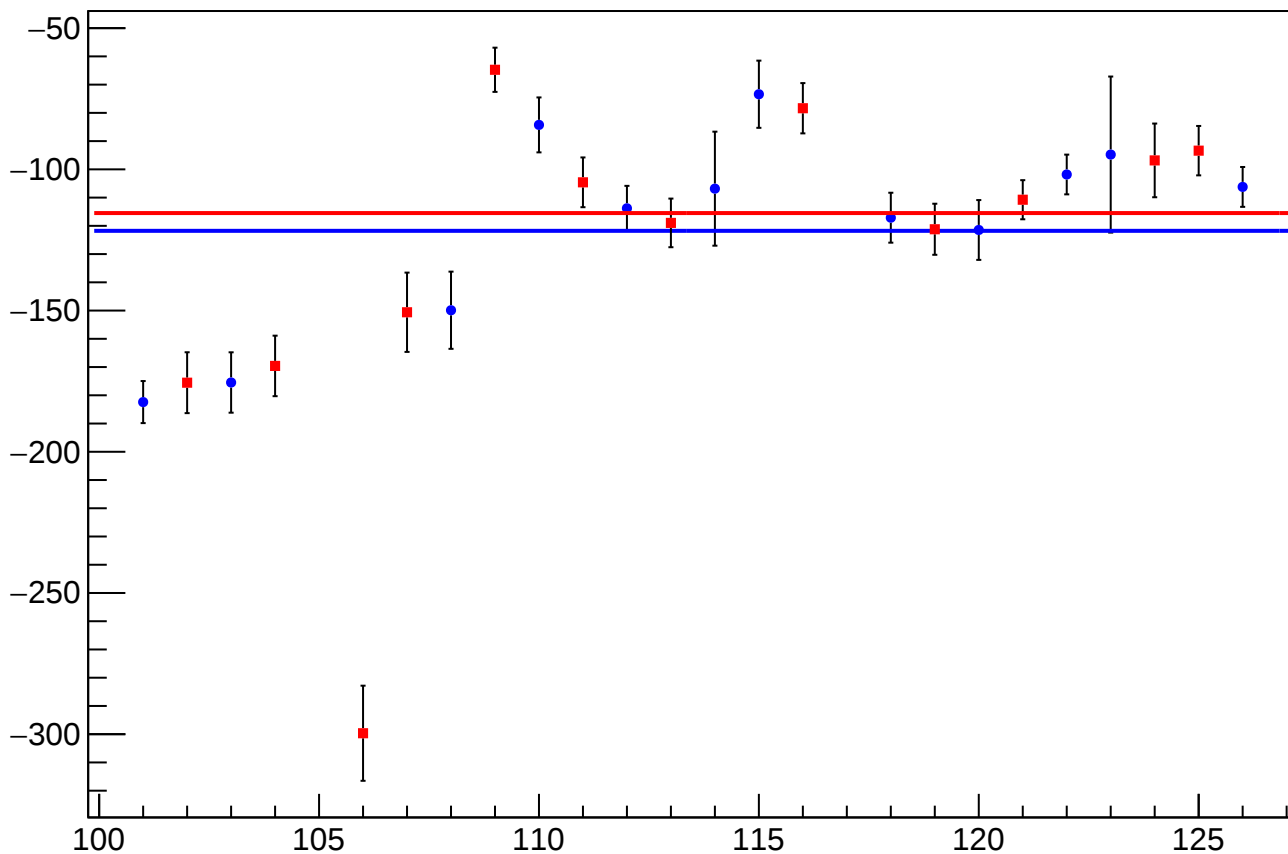
Right: 0.189 $\pm$ 0.011  $\chi^2$ /NDF: 1145.1/23

In: 0.236 $\pm$ 0.016  $\chi^2$ /NDF:471.8/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.189 $\pm$ 0.011  $\chi^2$ /NDF: 1145.1/23

reg\_asym\_sam2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -121.768+/-2.759  $\chi^2/\text{NDF}$ : 142.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -115.476+/-2.739  $\chi^2/\text{NDF}$ : 252.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

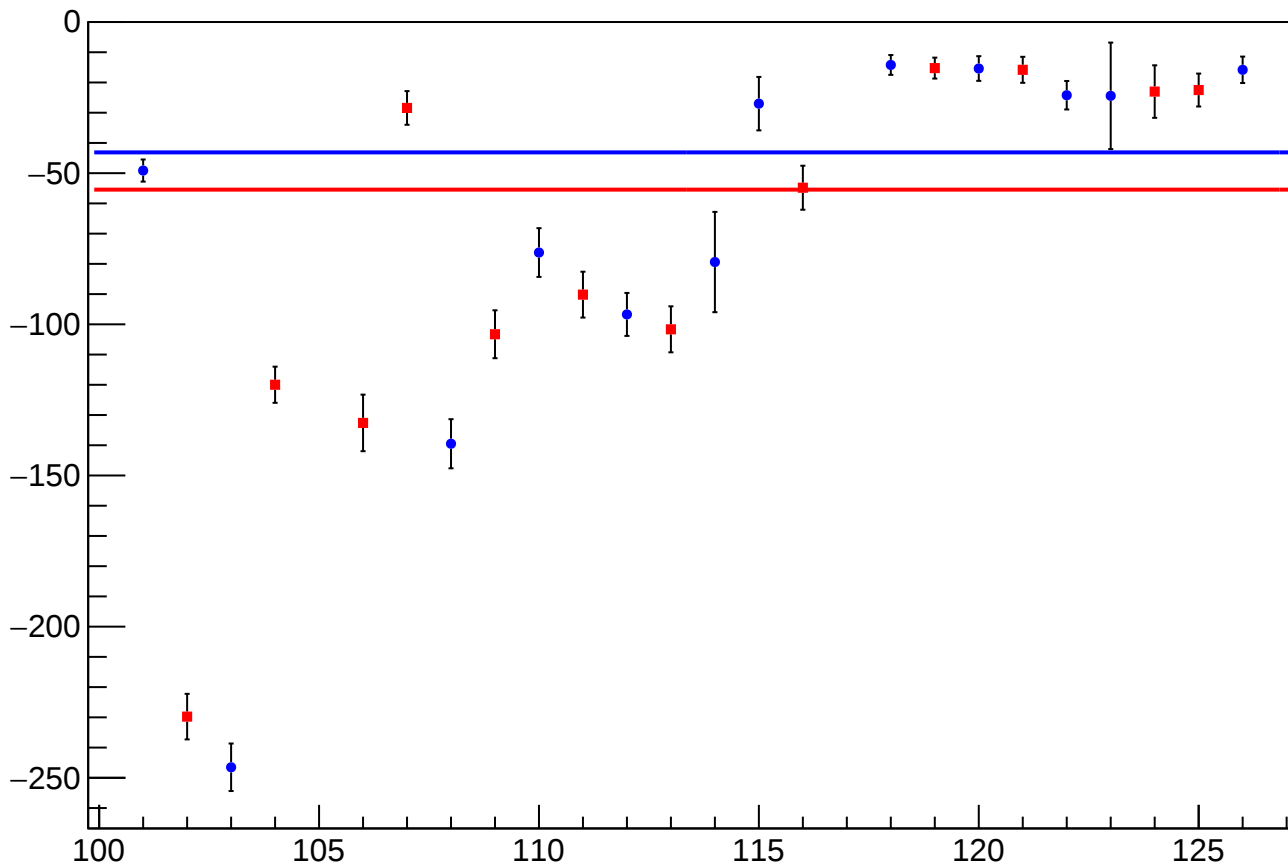
Right: -118.599+/-1.944  $\chi^2/\text{NDF}$ : 398.4/23

In: -121.768+/-2.759  $\chi^2/\text{NDF}$ : 142.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -118.599+/-1.944  $\chi^2/\text{NDF}$ : 398.4/23

reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -43.126+/-1.559  $\chi^2/\text{NDF}$ : 1075.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -55.443+/-1.707  $\chi^2/\text{NDF}$ : 1107.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

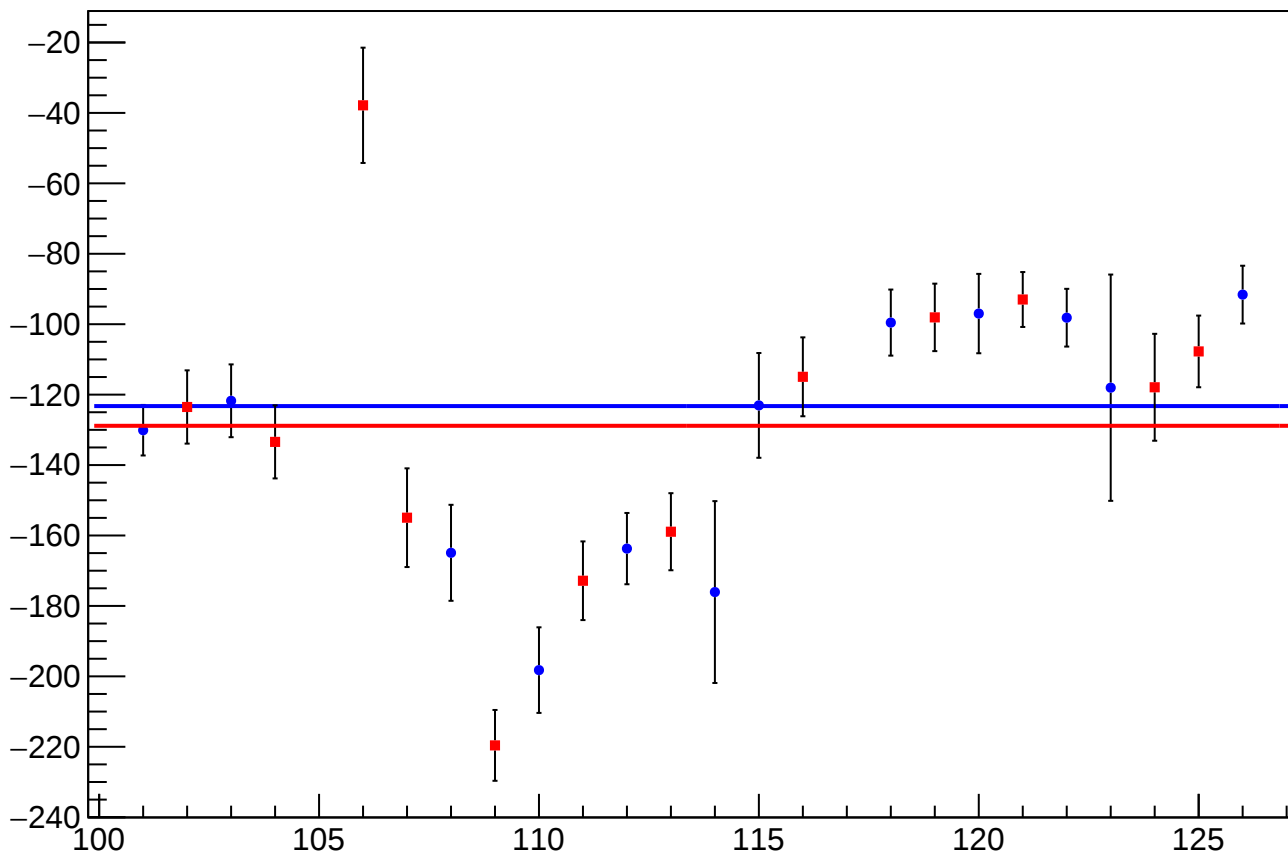
Right: -48.730+/-1.151  $\chi^2/\text{NDF}$ : 2211.3/23

In: -43.126+/-1.559  $\chi^2/\text{NDF}$ :1075.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -48.730+/-1.151  $\chi^2/\text{NDF}$ : 2211.3/23

reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-123.250 \pm 3.062$   $\chi^2/\text{NDF}$ : 104.6/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-128.850 \pm 3.117$   $\chi^2/\text{NDF}$ : 177.2/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

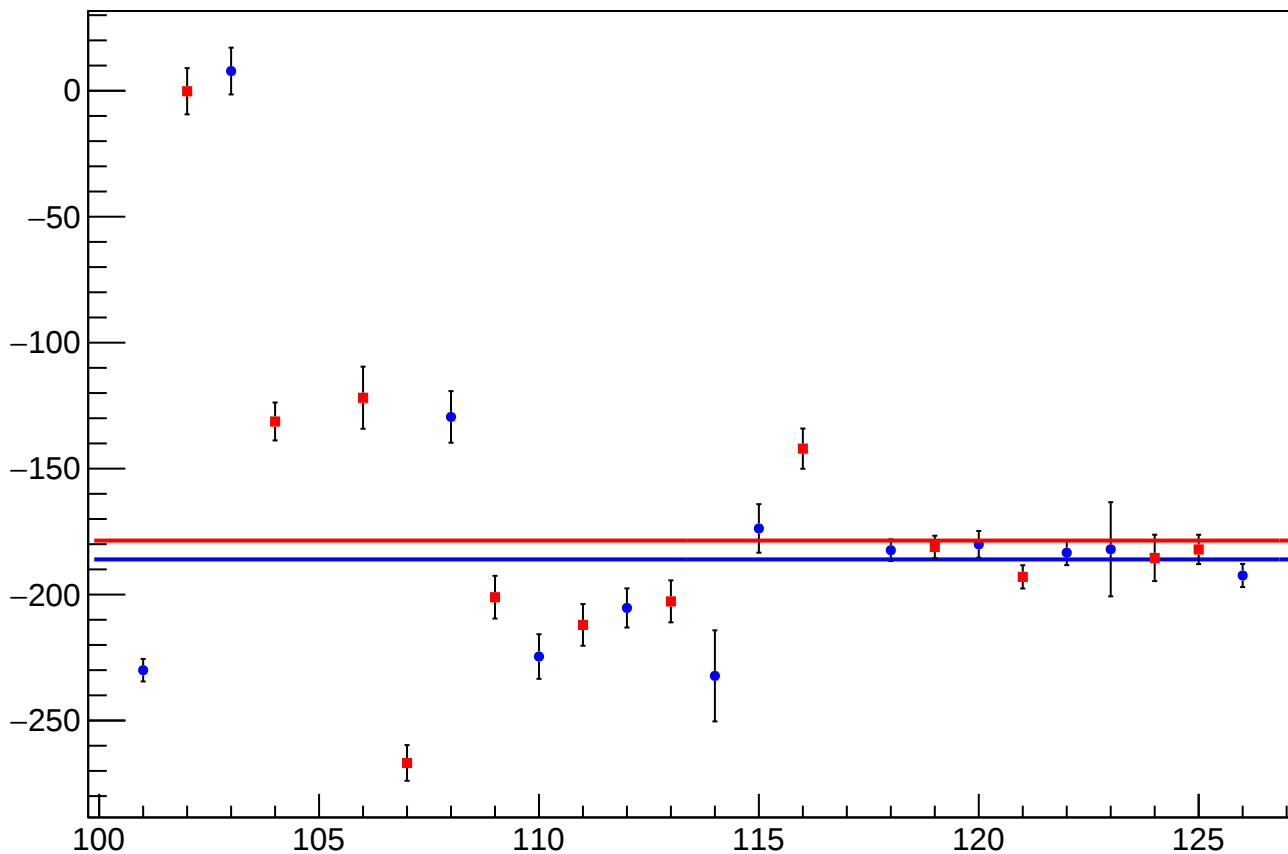
Right:  $-126.000 \pm 2.184$   $\chi^2/\text{NDF}$ : 283.4/23

In:  $-123.250 \pm 3.062$   $\chi^2/\text{NDF}$ : 104.6/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-126.000 \pm 2.184$   $\chi^2/\text{NDF}$ : 283.4/23

reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -186.033+/-1.841  $\chi^2$ /NDF: 601.0/11

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -178.553+/-1.987  $\chi^2$ /NDF: 657.4/11

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

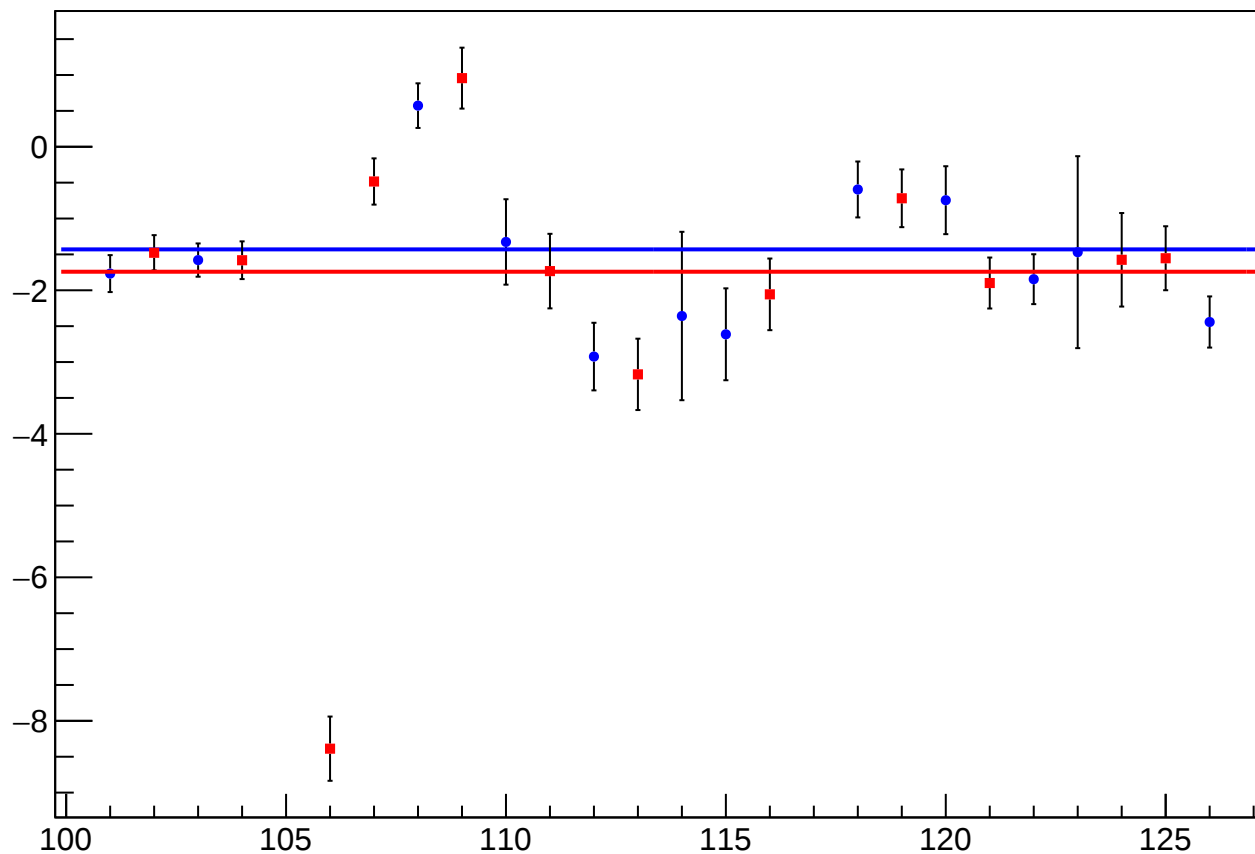
Right: -182.578+/-1.350  $\chi^2$ /NDF: 1266.0/23

In: -186.033+/-1.841  $\chi^2$ /NDF:601.0/11

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -182.578+/-1.350  $\chi^2$ /NDF: 1266.0/23

reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-1.430 \pm 0.110$   $\chi^2/\text{NDF}$ : 74.0/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.741 \pm 0.109$   $\chi^2/\text{NDF}$ : 293.2/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

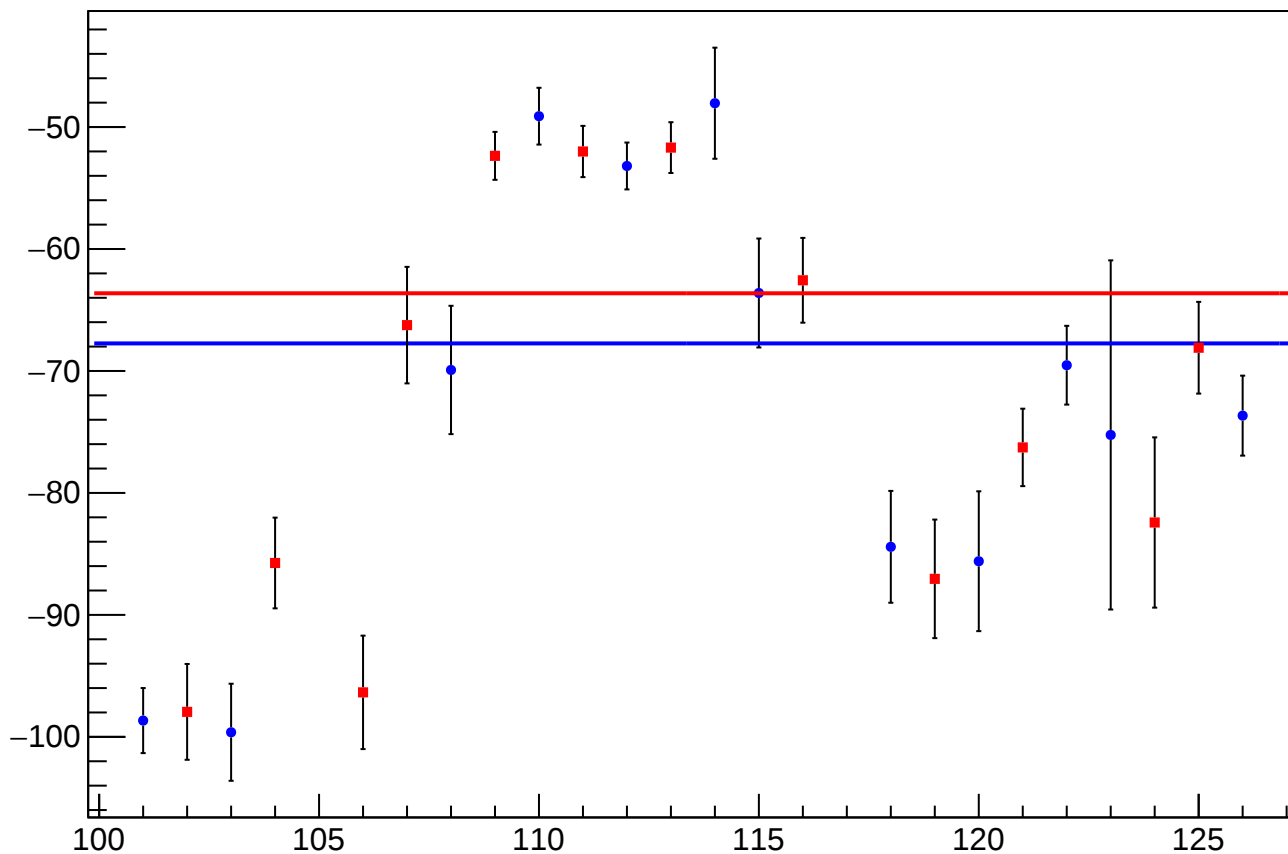
Right:  $-1.588 \pm 0.077$   $\chi^2/\text{NDF}$ : 371.2/23

In:  $-1.430 \pm 0.110$   $\chi^2/\text{NDF}$ : 74.0/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.588 \pm 0.077$   $\chi^2/\text{NDF}$ : 371.2/23

reg\_asym\_sam3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -67.741+/-0.969  $\chi^2/\text{NDF}$ : 366.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -63.630+/-0.891  $\chi^2/\text{NDF}$ : 305.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

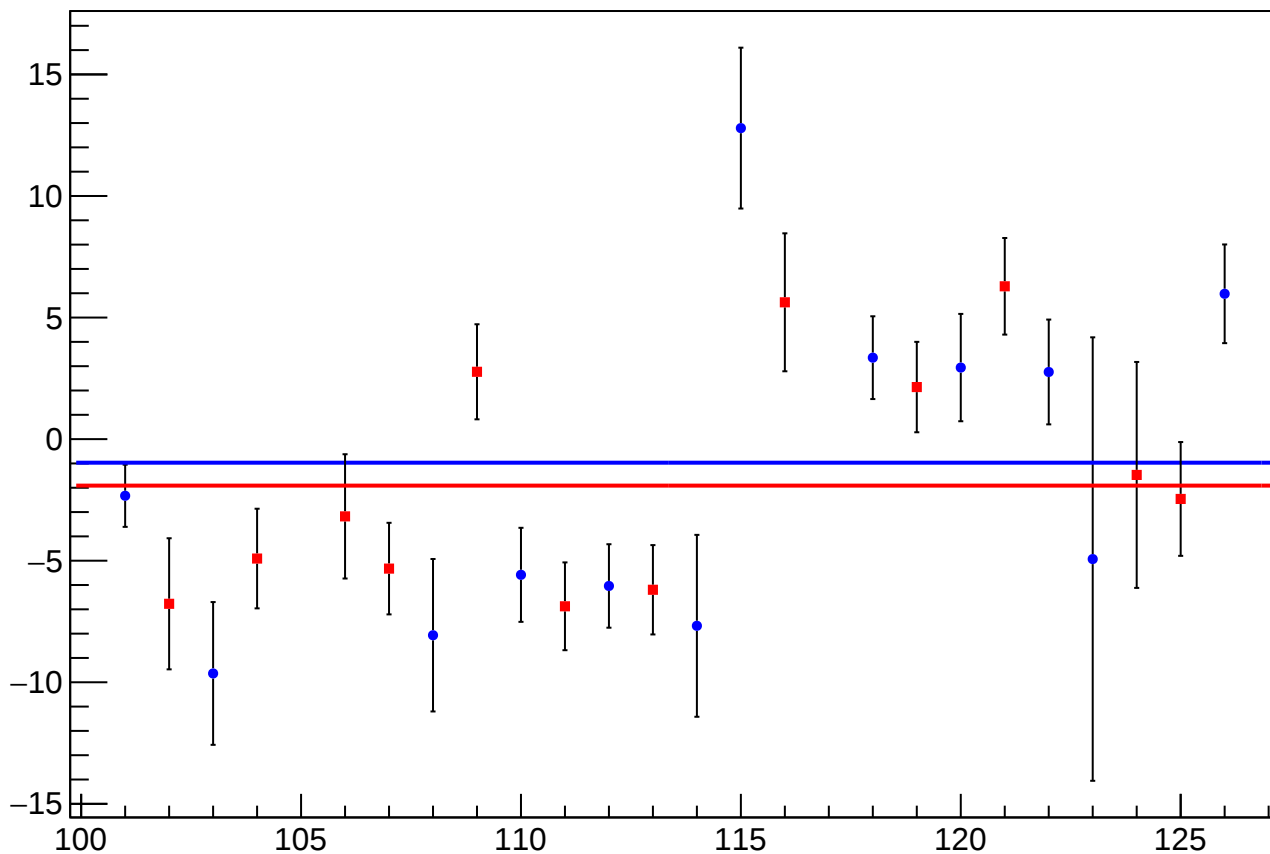
Right: -65.514+/-0.656  $\chi^2/\text{NDF}$ : 681.9/23

In: -67.741+/-0.969  $\chi^2/\text{NDF}$ : 366.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -65.514+/-0.656  $\chi^2/\text{NDF}$ : 681.9/23

reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.969 \pm 0.618$   $\chi^2/\text{NDF}$ : 74.4/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.912 \pm 0.624$   $\chi^2/\text{NDF}$ : 56.6/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

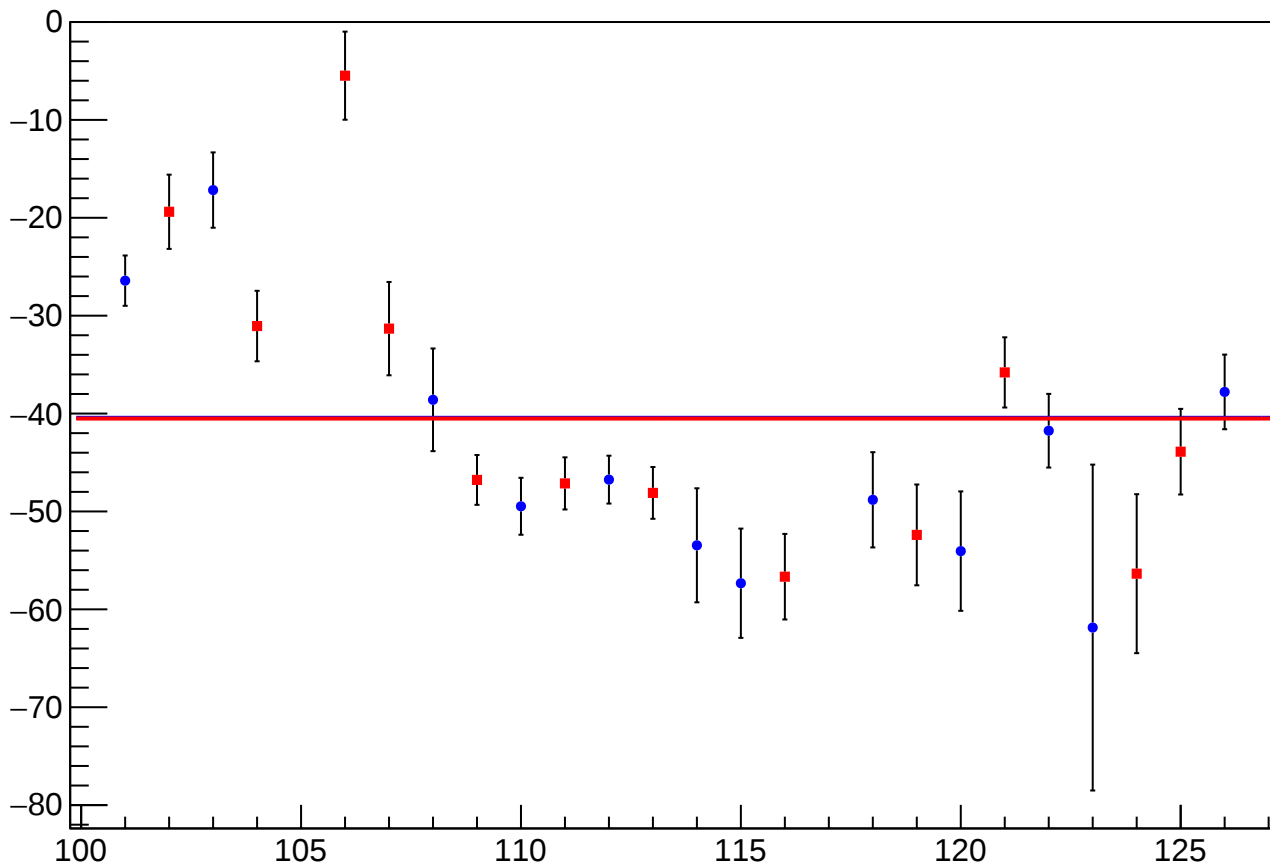
Right:  $-1.436 \pm 0.439$   $\chi^2/\text{NDF}$ : 132.1/23

In:  $-0.969 \pm 0.618$   $\chi^2/\text{NDF}$ : 74.4/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.436 \pm 0.439$   $\chi^2/\text{NDF}$ : 132.1/23

reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -40.433+/-1.108  $\chi^2/\text{NDF}$ : 107.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -40.510+/-1.046  $\chi^2/\text{NDF}$ : 147.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

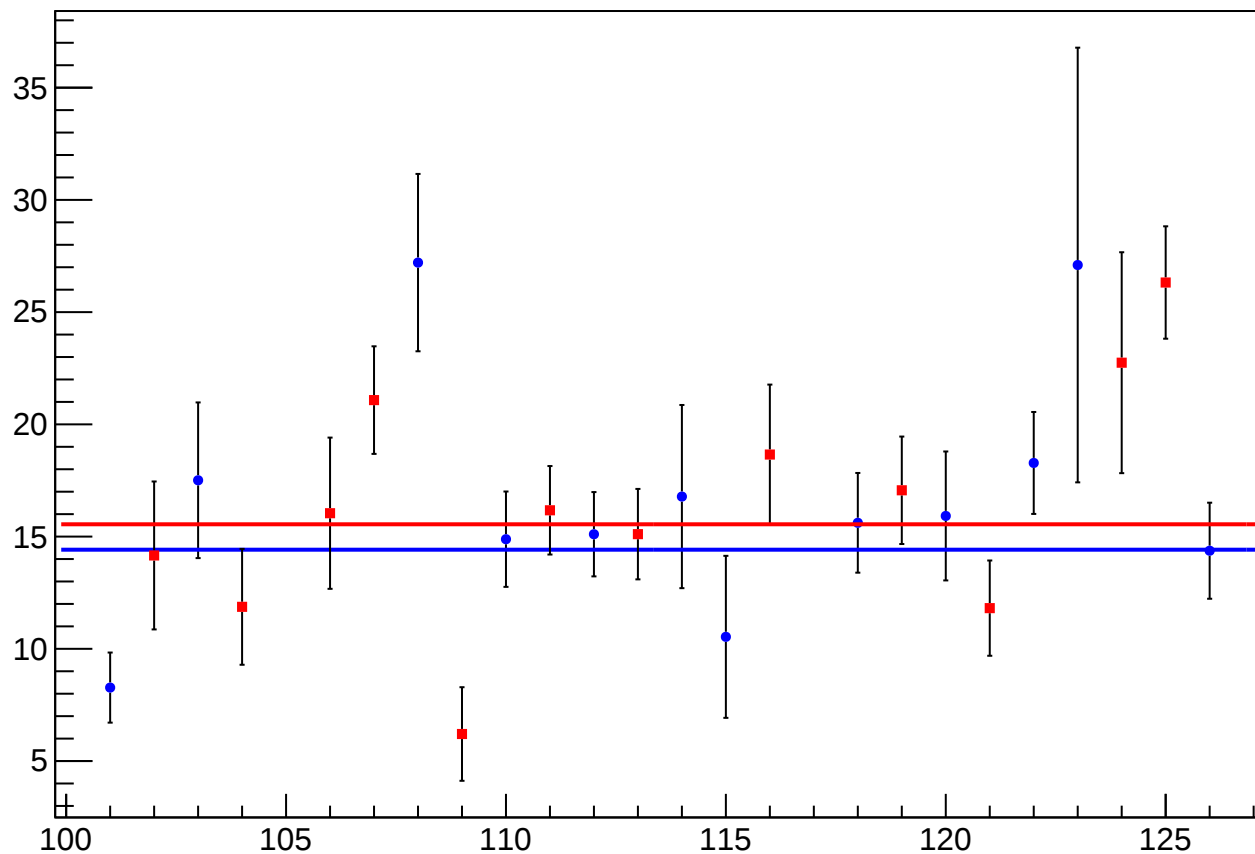
Right: -40.474+/-0.761  $\chi^2/\text{NDF}$ : 255.0/23

In: -40.433+/-1.108  $\chi^2/\text{NDF}$ : 107.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -40.474+/-0.761  $\chi^2/\text{NDF}$ : 255.0/23

reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 14.416+/-0.717  $\chi^2/\text{NDF}$ : 33.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 15.548+/-0.718  $\chi^2/\text{NDF}$ : 52.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

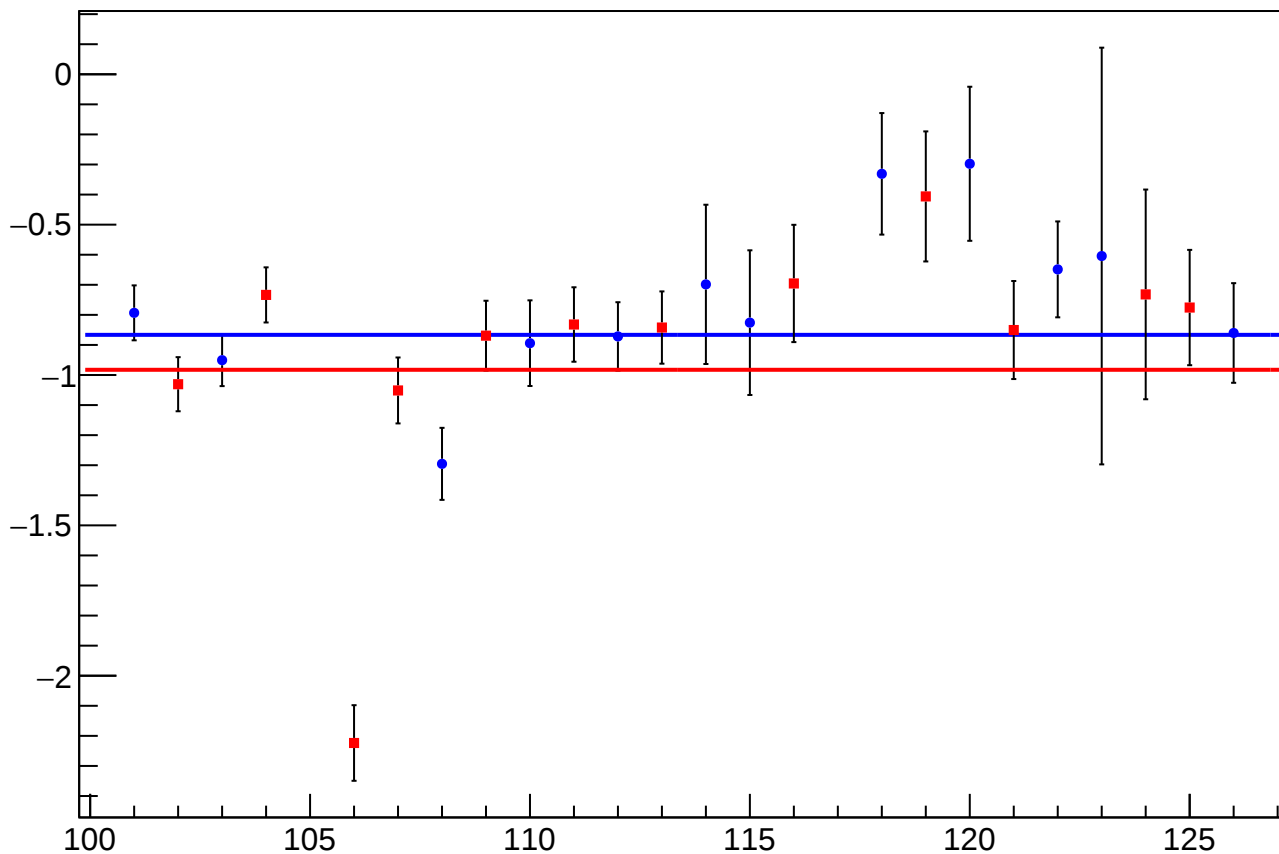
Right: 14.981+/-0.507  $\chi^2/\text{NDF}$ : 87.8/23

In: 14.416+/-0.717  $\chi^2/\text{NDF}$ : 33.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 14.981+/-0.507  $\chi^2/\text{NDF}$ : 87.8/23

reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.866+/-0.041  $\chi^2/\text{NDF}$ : 28.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.983+/-0.037  $\chi^2/\text{NDF}$ : 120.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

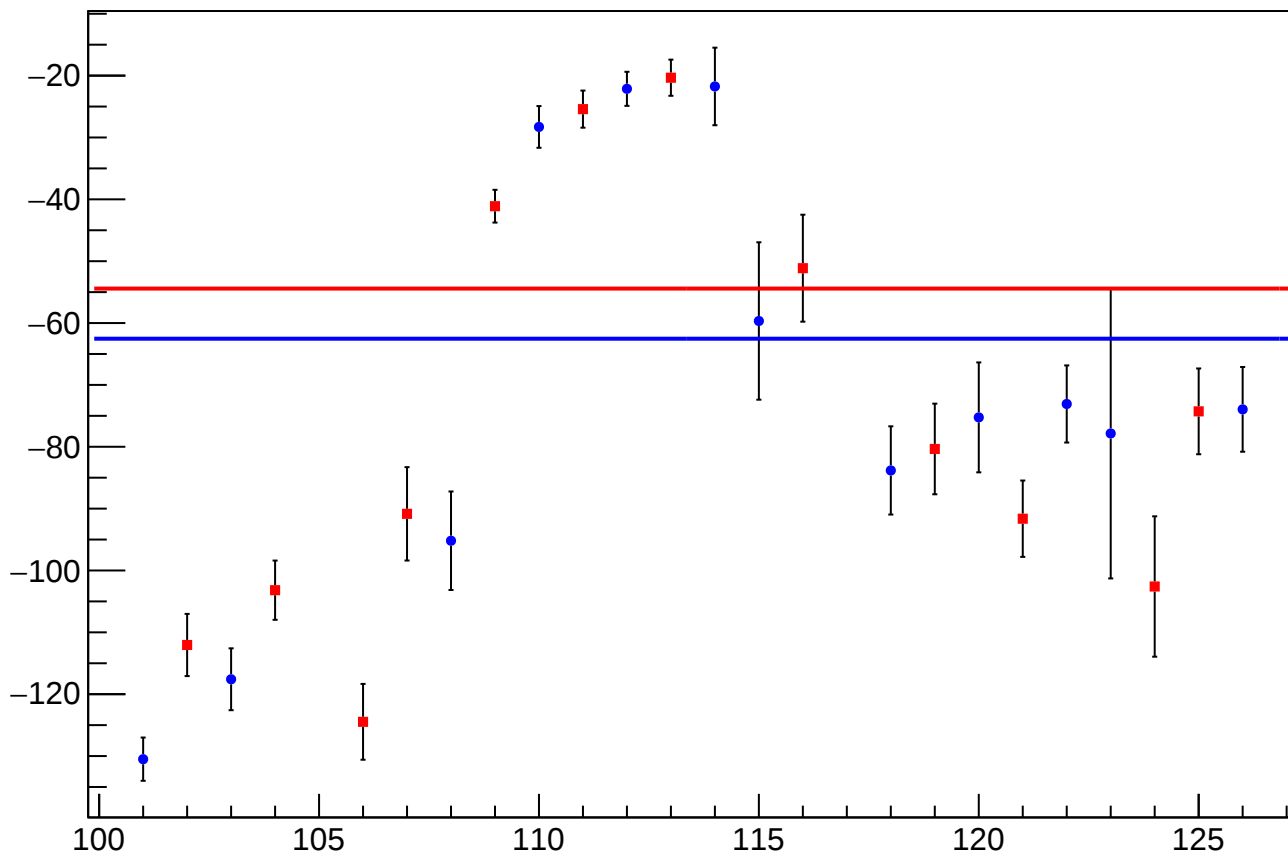
Right: -0.930+/-0.028  $\chi^2/\text{NDF}$ : 154.2/23

In: -0.866+/-0.041  $\chi^2/\text{NDF}$ : 28.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.930+/-0.028  $\chi^2/\text{NDF}$ : 154.2/23

reg\_asym\_sam4\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -62.531+/-1.458  $\chi^2/\text{NDF}$ : 894.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -54.426+/-1.307  $\chi^2/\text{NDF}$ : 719.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

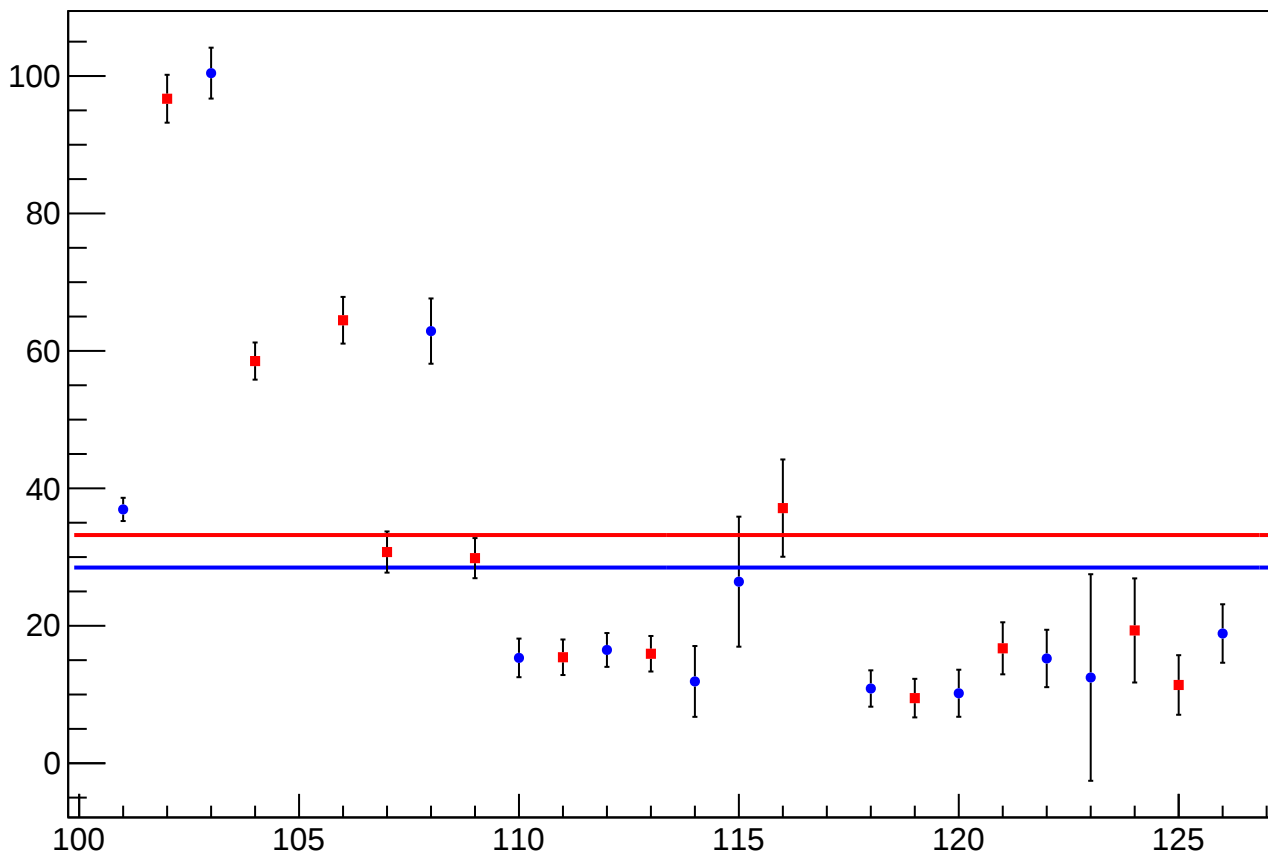
Right: -58.037+/-0.973  $\chi^2/\text{NDF}$ : 1630.3/23

In: -62.531+/-1.458  $\chi^2/\text{NDF}$ : 894.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -58.037+/-0.973  $\chi^2/\text{NDF}$ : 1630.3/23

reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 28.477+/-0.931  $\chi^2/\text{NDF}$ : 599.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 33.206+/-0.944  $\chi^2/\text{NDF}$ : 717.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

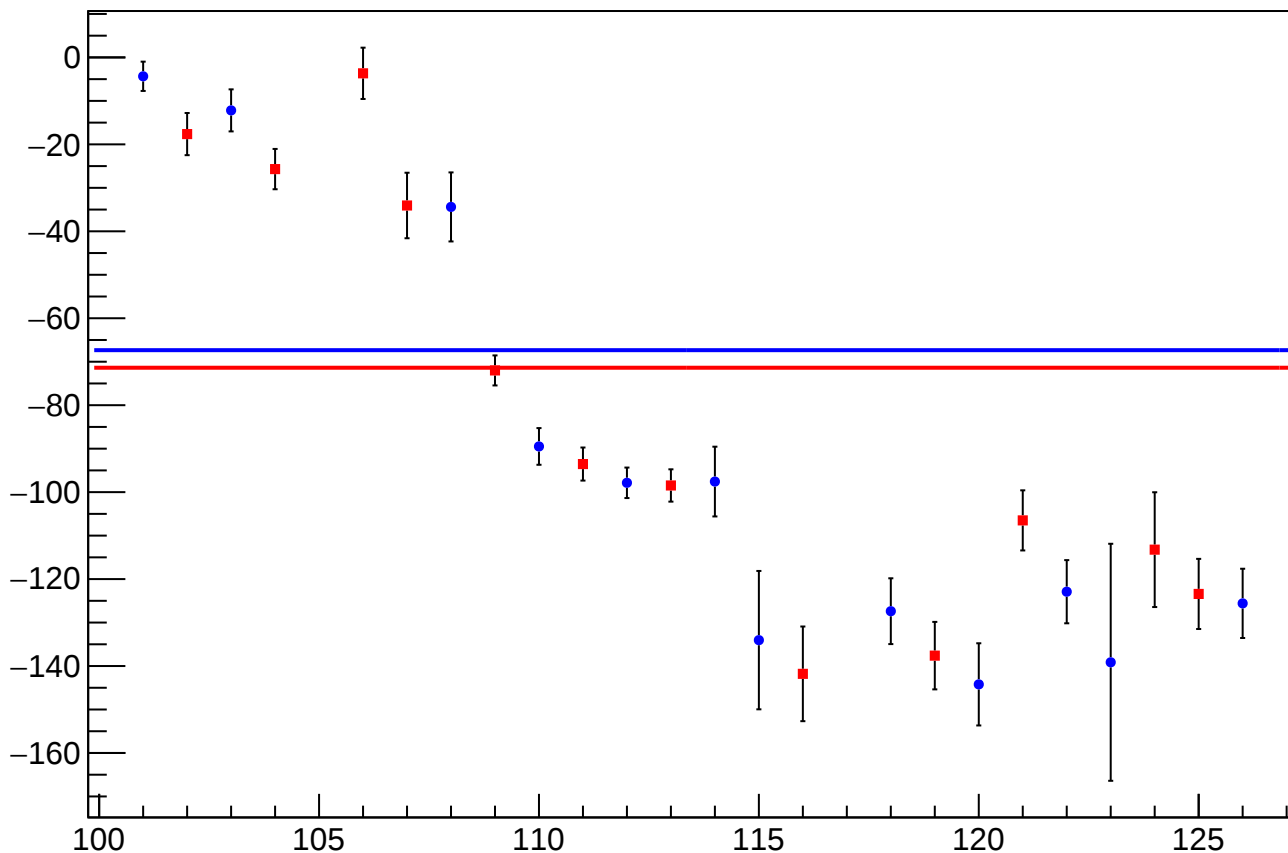
Right: 30.808+/-0.663  $\chi^2/\text{NDF}$ : 1330.3/23

In: 28.477+/-0.931  $\chi^2/\text{NDF}$ : 599.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.808+/-0.663  $\chi^2/\text{NDF}$ : 1330.3/23

reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -67.343+/-1.647  $\chi^2/\text{NDF}$ : 880.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -71.382+/-1.529  $\chi^2/\text{NDF}$ : 655.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

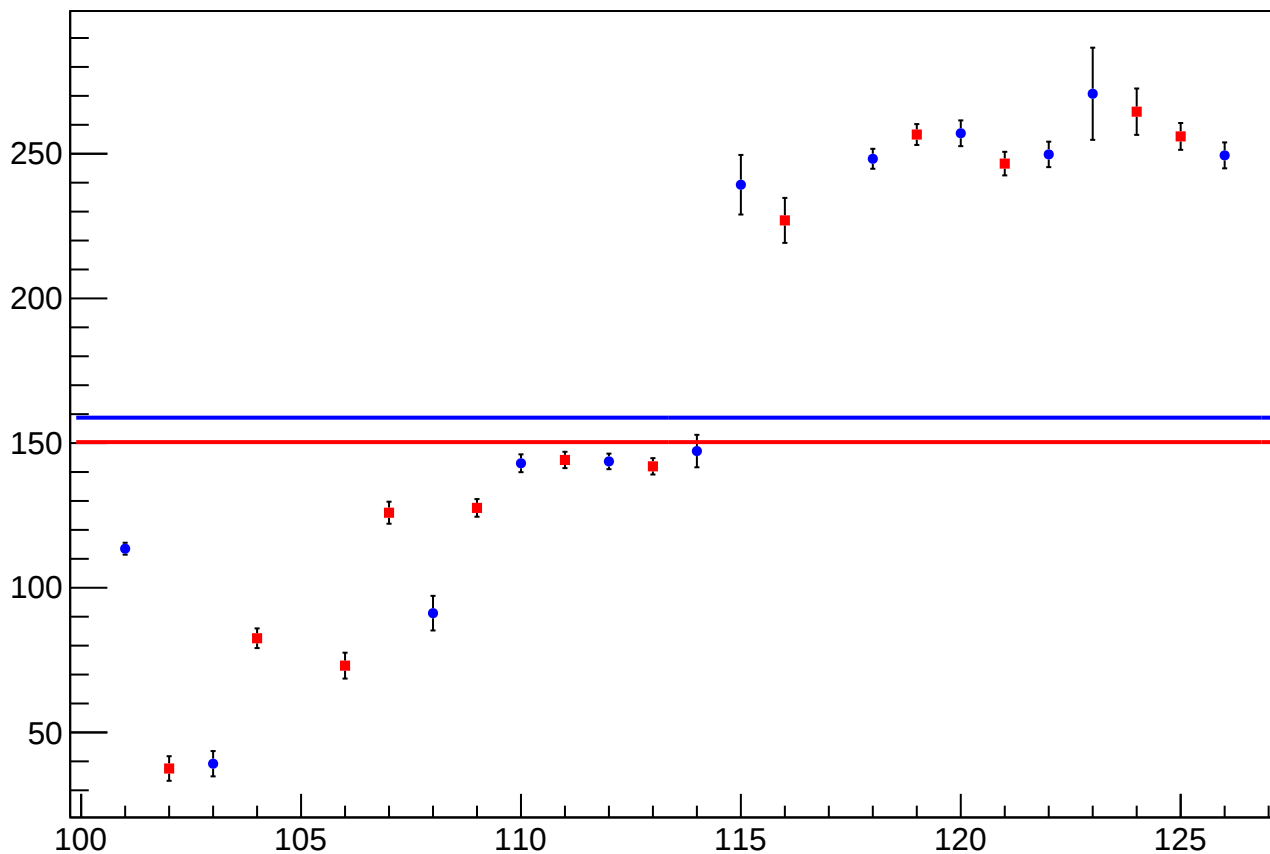
Right: -69.513+/-1.121  $\chi^2/\text{NDF}$ : 1538.6/23

In: -67.343+/-1.647  $\chi^2/\text{NDF}$ : 880.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -69.513+/-1.121  $\chi^2/\text{NDF}$ : 1538.6/23

reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 158.787+/-1.091  $\chi^2/\text{NDF}$ : 3526.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 150.334+/-1.095  $\chi^2/\text{NDF}$ : 3756.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

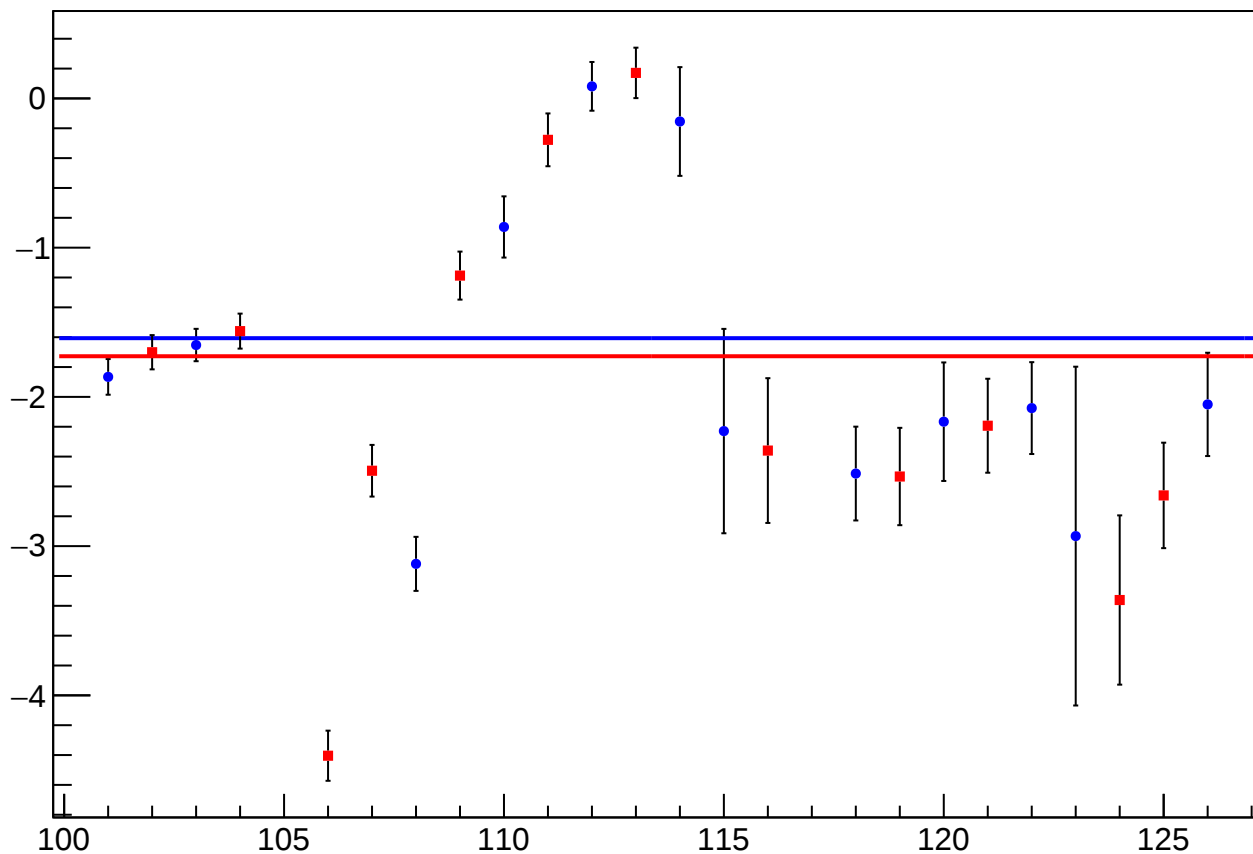
Right: 154.574+/-0.773  $\chi^2/\text{NDF}$ : 7313.0/23

In: 158.787+/-1.091  $\chi^2/\text{NDF}$ :3526.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 154.574+/-0.773  $\chi^2/\text{NDF}$ : 7313.0/23

reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-1.607 \pm 0.058$   $\chi^2/\text{NDF}: 227.0/11$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.728 \pm 0.053$   $\chi^2/\text{NDF}: 505.6/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

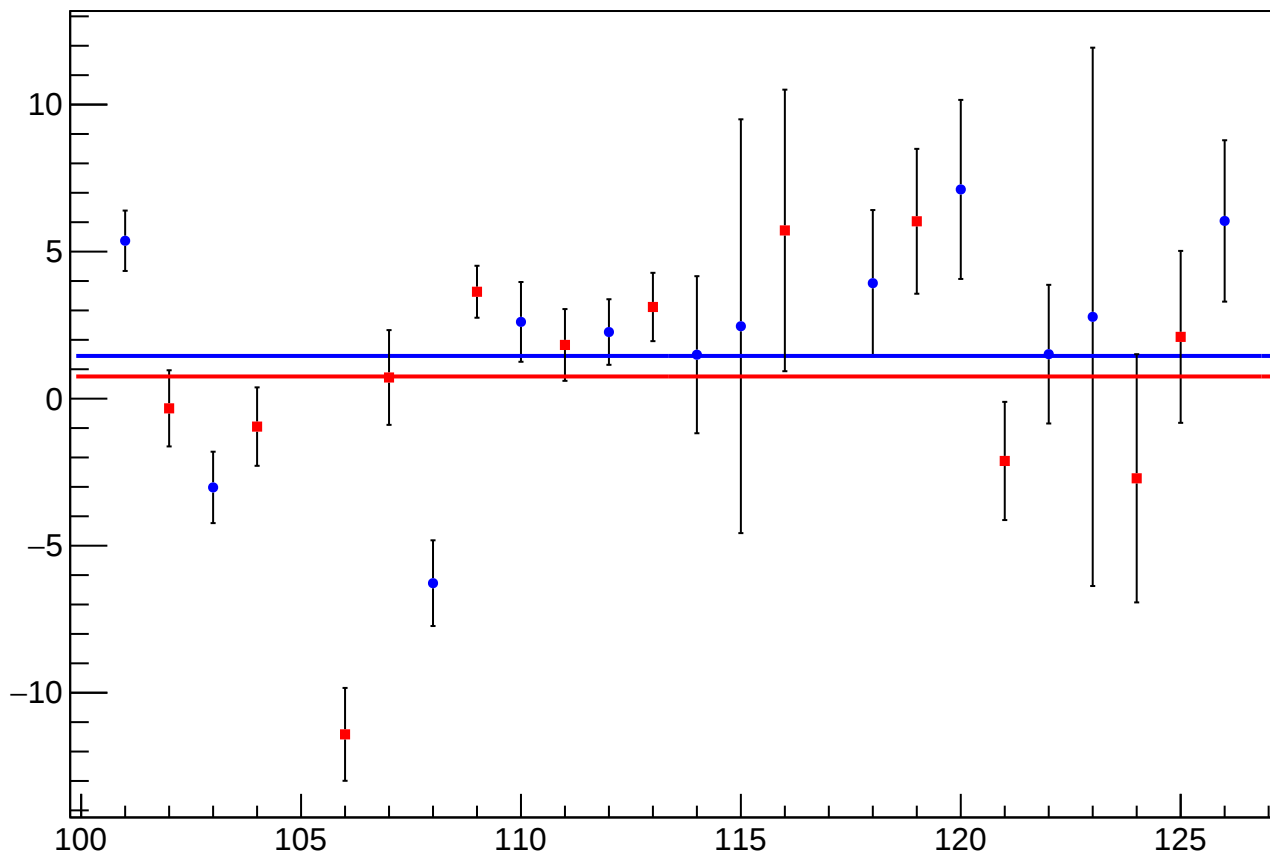
Right:  $-1.673 \pm 0.039$   $\chi^2/\text{NDF}: 734.9/23$

In:  $-1.607 \pm 0.058$   $\chi^2/\text{NDF}: 227.0/11$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.673 \pm 0.039$   $\chi^2/\text{NDF}: 734.9/23$

reg\_asym\_sam5\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.453+/-0.488  $\chi^2/\text{NDF}$ : 64.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.754+/-0.436  $\chi^2/\text{NDF}$ : 85.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

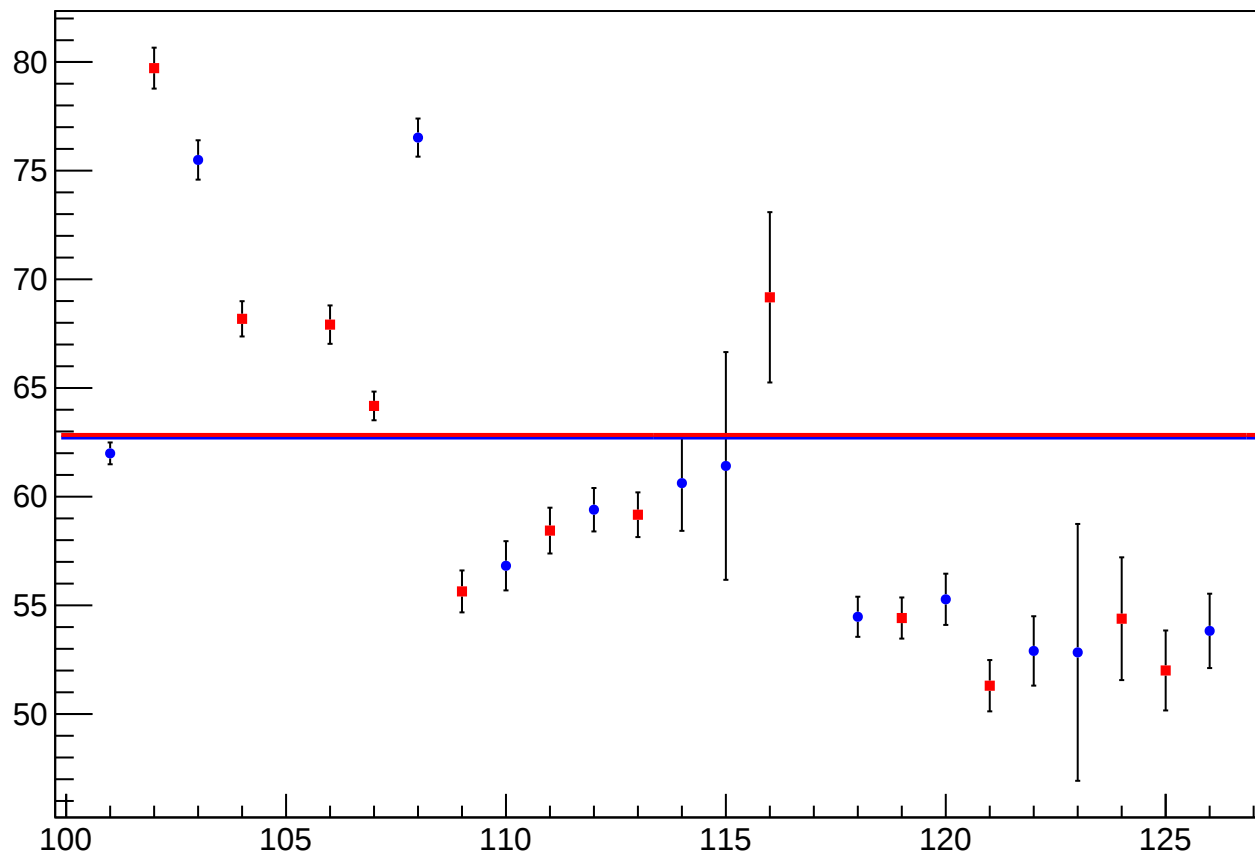
Right: 1.064+/-0.325  $\chi^2/\text{NDF}$ : 151.8/23

In: 1.453+/-0.488  $\chi^2/\text{NDF}$ : 64.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.064+/-0.325  $\chi^2/\text{NDF}$ : 151.8/23

reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 62.721+/-0.299  $\chi^2/\text{NDF}$ : 675.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 62.841+/-0.295  $\chi^2/\text{NDF}$ : 708.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

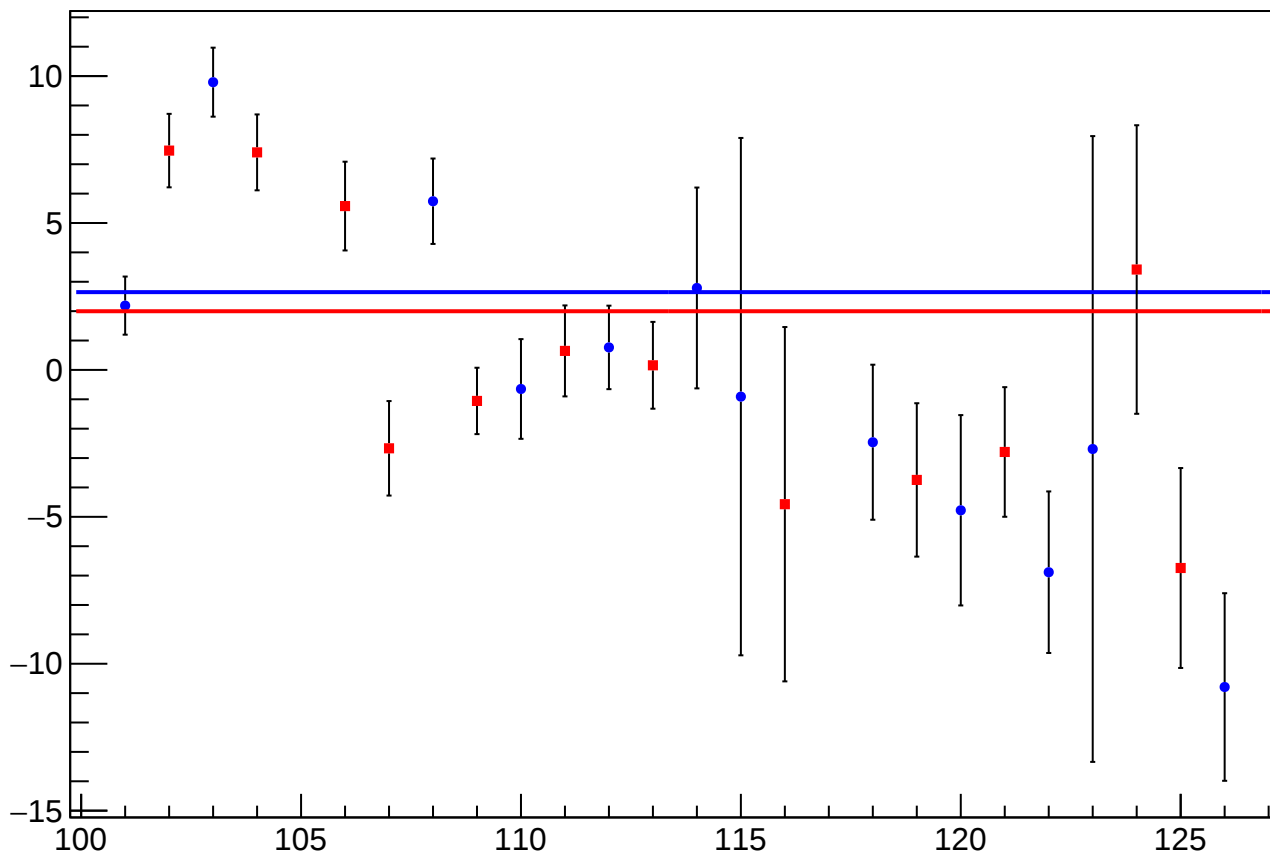
Right: 62.782+/-0.210  $\chi^2/\text{NDF}$ : 1384.1/23

In: 62.721+/-0.299  $\chi^2/\text{NDF}$ : 675.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 62.782+/-0.210  $\chi^2/\text{NDF}$ : 1384.1/23

reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.647+/-0.524  $\chi^2/\text{NDF}$ : 86.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.997+/-0.486  $\chi^2/\text{NDF}$ : 77.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

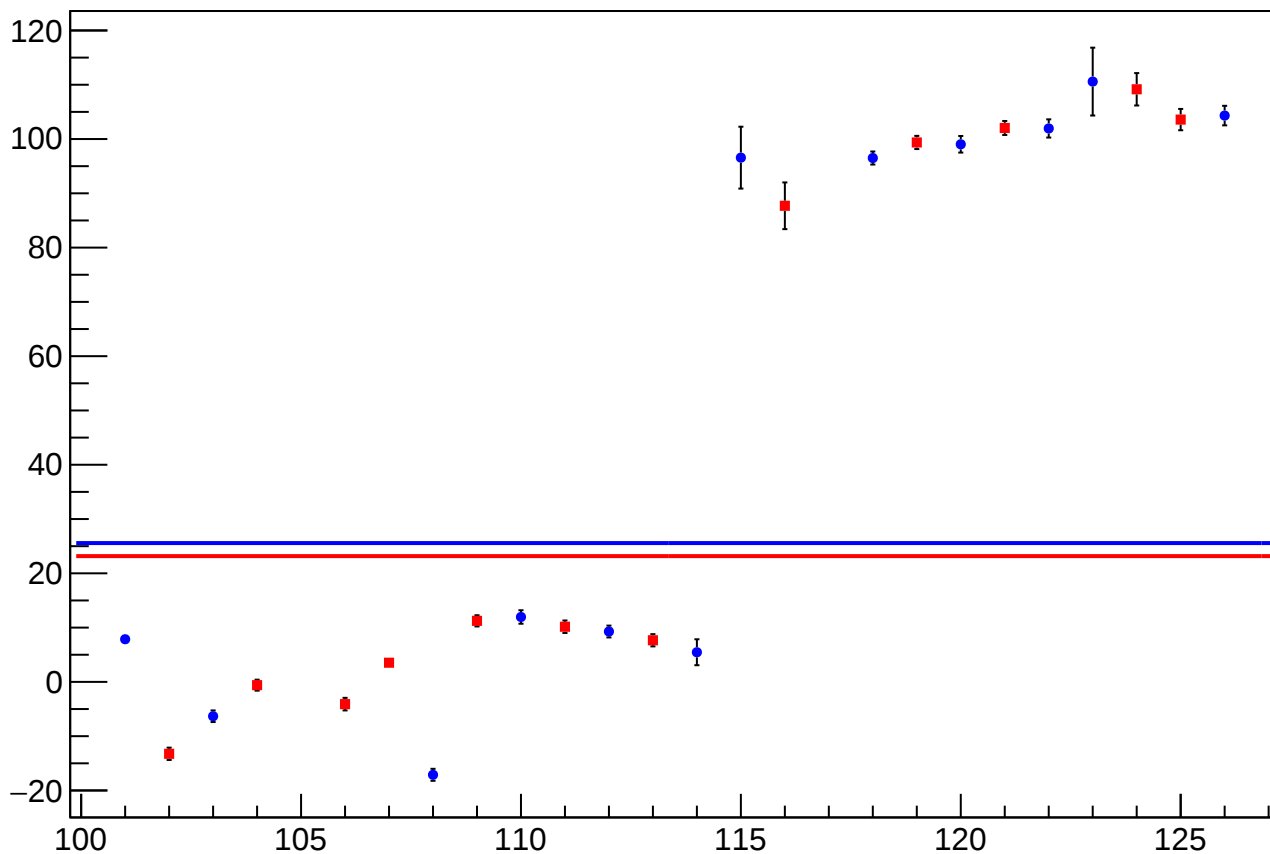
Right: 2.298+/-0.356  $\chi^2/\text{NDF}$ : 165.0/23

In: 2.647+/-0.524  $\chi^2/\text{NDF}$ : 86.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.298+/-0.356  $\chi^2/\text{NDF}$ : 165.0/23

reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 25.572 $\pm$ 0.356  $\chi^2$ /NDF: 13764.3/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 23.168 $\pm$ 0.351  $\chi^2$ /NDF: 13550.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

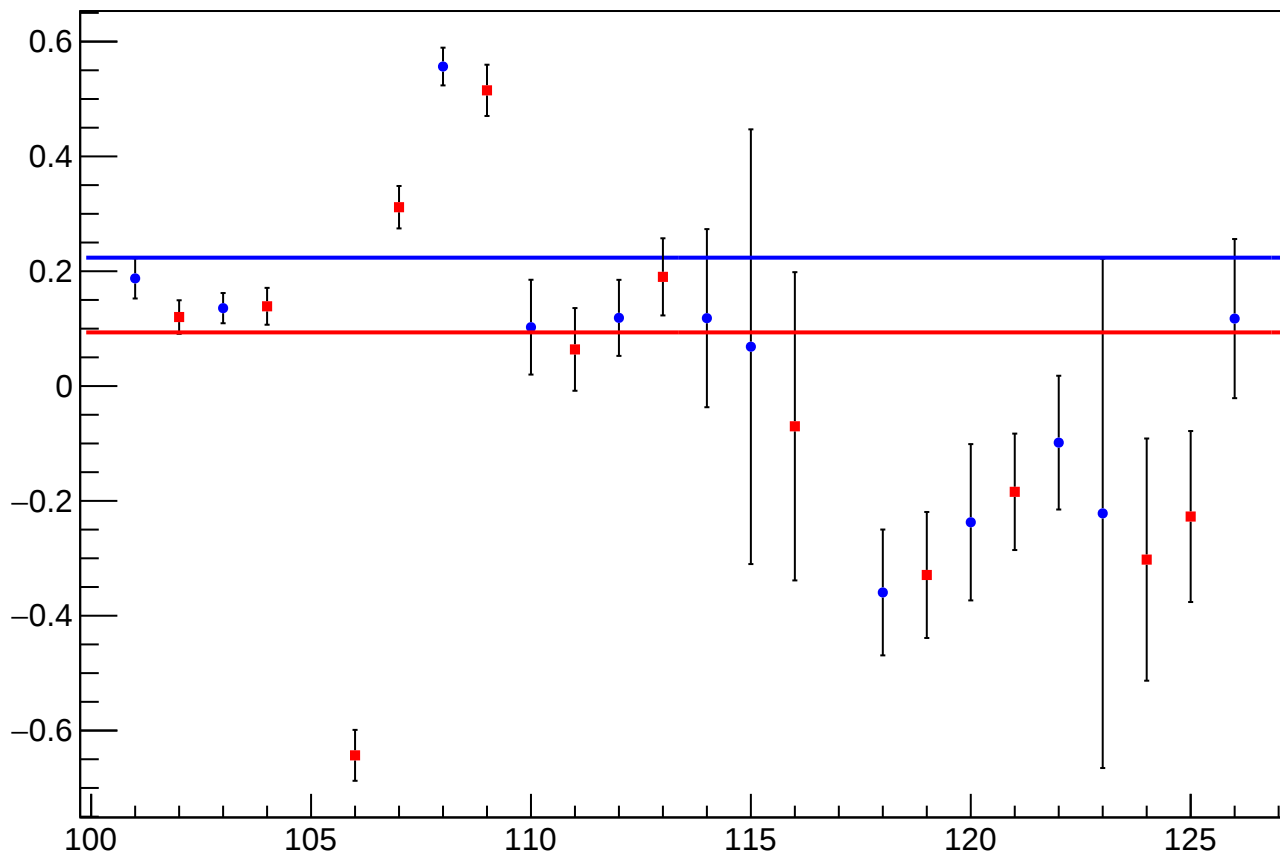
Right: 24.352 $\pm$ 0.250  $\chi^2$ /NDF: 27337.8/23

In: 25.572 $\pm$ 0.356  $\chi^2$ /NDF:13764.3/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 24.352 $\pm$ 0.250  $\chi^2$ /NDF: 27337.8/23

reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.224+/-0.016  $\chi^2/\text{NDF}$ : 169.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.093+/-0.015  $\chi^2/\text{NDF}$ : 436.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

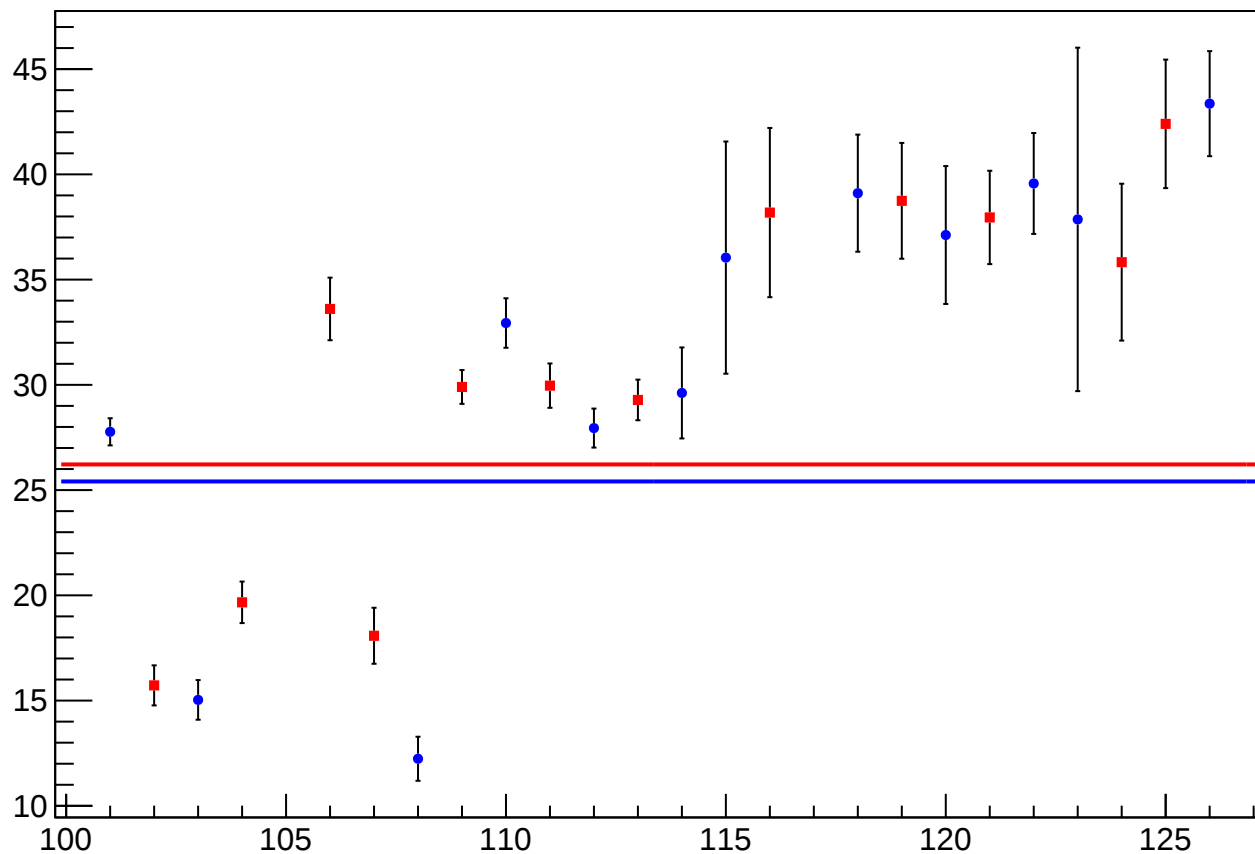
Right: 0.153+/-0.011  $\chi^2/\text{NDF}$ : 640.8/23

In: 0.224+/-0.016  $\chi^2/\text{NDF}$ : 169.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.153+/-0.011  $\chi^2/\text{NDF}$ : 640.8/23

reg\_asym\_sam6\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 25.411+/-0.374  $\chi^2/\text{NDF}$ : 475.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 26.220+/-0.371  $\chi^2/\text{NDF}$ : 363.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

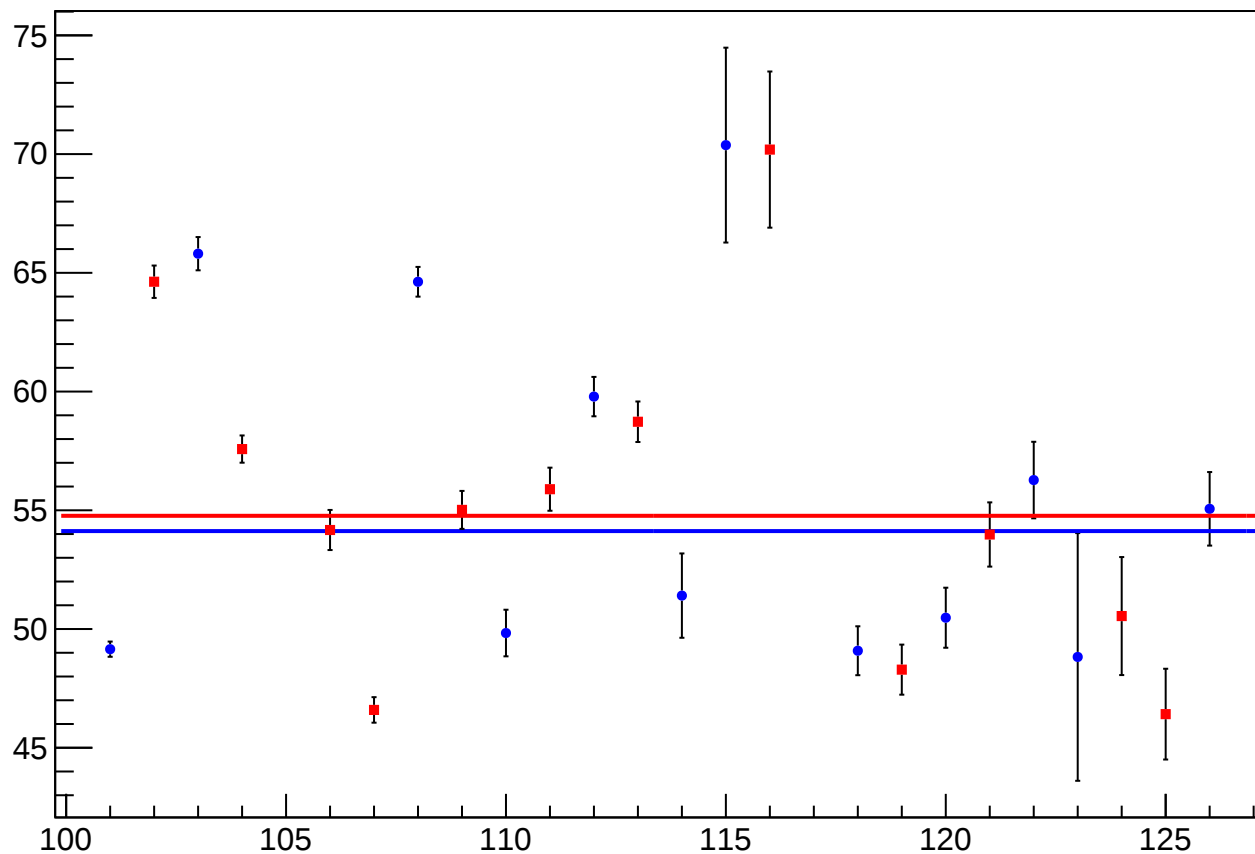
Right: 25.818+/-0.263  $\chi^2/\text{NDF}$ : 841.3/23

In: 25.411+/-0.374  $\chi^2/\text{NDF}$ : 475.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 25.818+/-0.263  $\chi^2/\text{NDF}$ : 841.3/23

reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 54.124+/-0.226  $\chi^2/\text{NDF}$ : 919.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 54.768+/-0.249  $\chi^2/\text{NDF}$ : 570.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

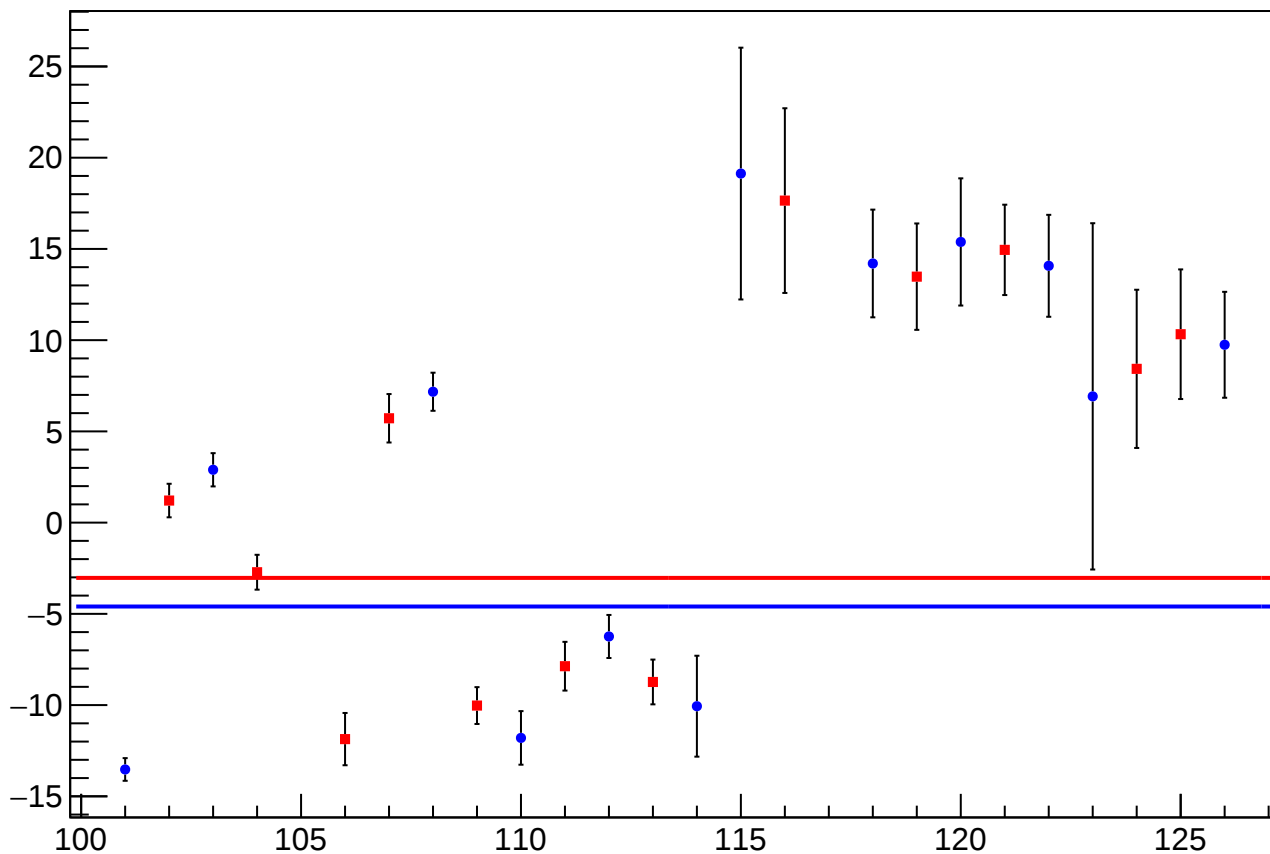
Right: 54.415+/-0.167  $\chi^2/\text{NDF}$ : 1493.6/23

In: 54.124+/-0.226  $\chi^2/\text{NDF}$ : 919.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 54.415+/-0.167  $\chi^2/\text{NDF}$ : 1493.6/23

reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -4.598+/-0.392  $\chi^2/\text{NDF}$ : 586.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -3.029+/-0.408  $\chi^2/\text{NDF}$ : 308.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

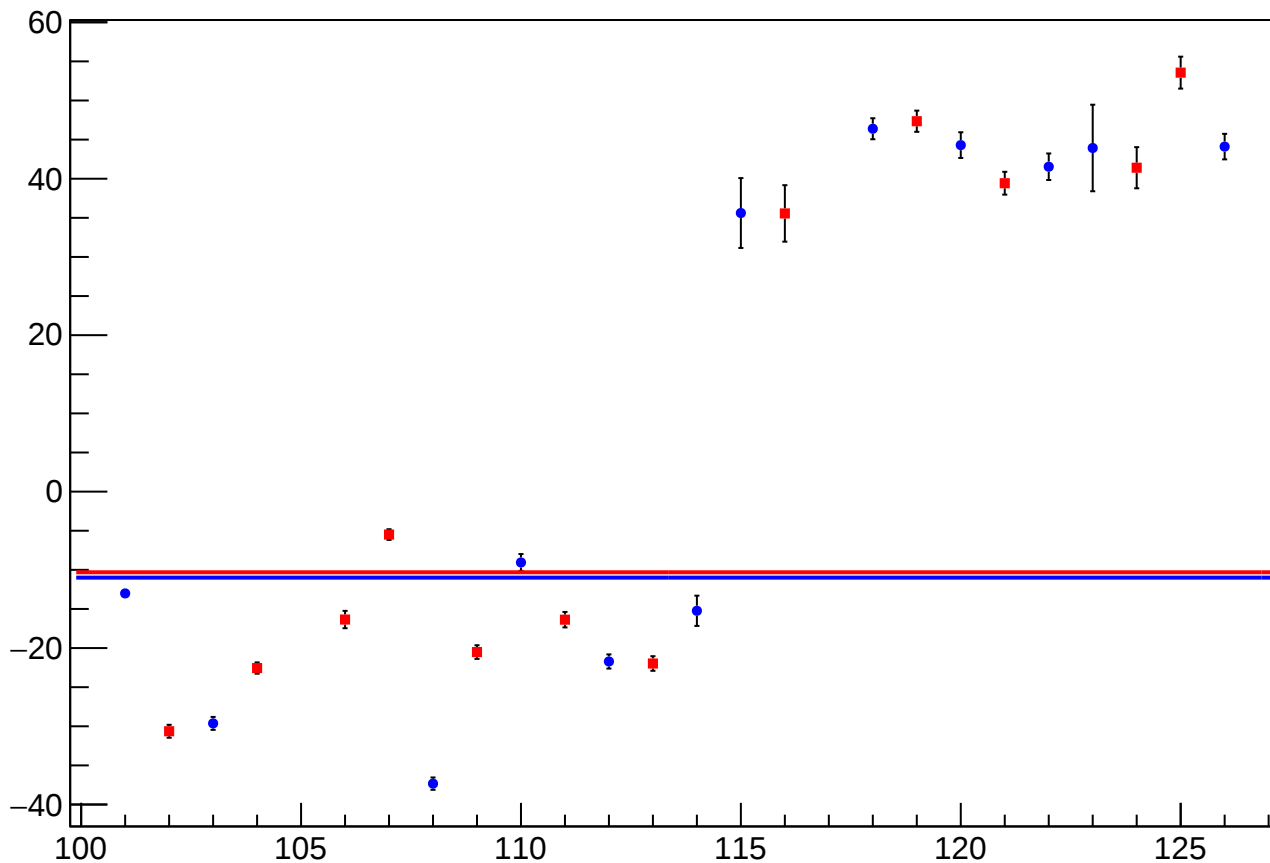
Right: -3.845+/-0.283  $\chi^2/\text{NDF}$ : 902.9/23

In: -4.598+/-0.392  $\chi^2/\text{NDF}$ :586.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -3.845+/-0.283  $\chi^2/\text{NDF}$ : 902.9/23

reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -10.995+/-0.270  $\chi^2/\text{NDF}$ : 7065.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.311+/-0.297  $\chi^2/\text{NDF}$ : 5802.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

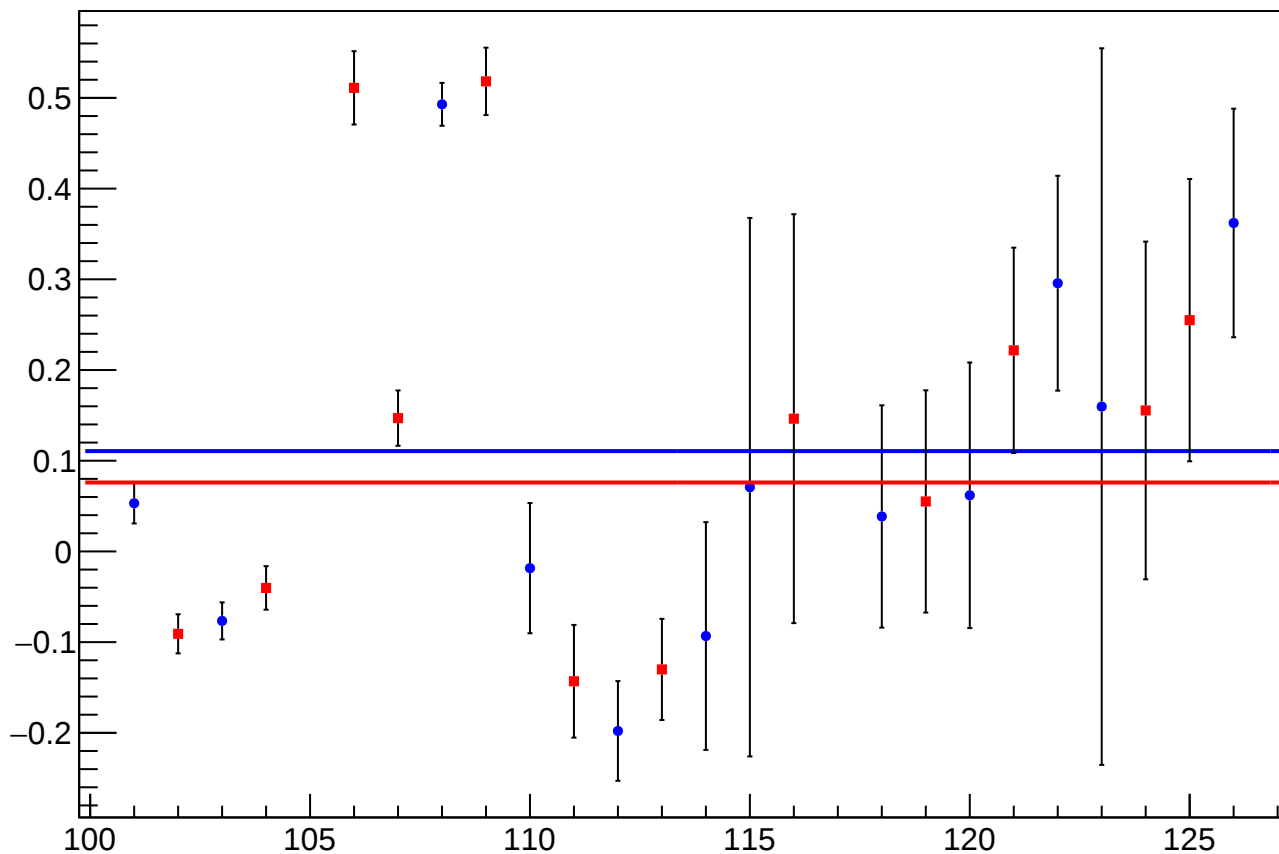
Right: -10.686+/-0.200  $\chi^2/\text{NDF}$ : 12870.6/23

In: -10.995+/-0.270  $\chi^2/\text{NDF}$ : 7065.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -10.686+/-0.200  $\chi^2/\text{NDF}$ : 12870.6/23

reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.111 $\pm$ 0.012  $\chi^2$ /NDF: 396.2/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.076 $\pm$ 0.012  $\chi^2$ /NDF: 375.8/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

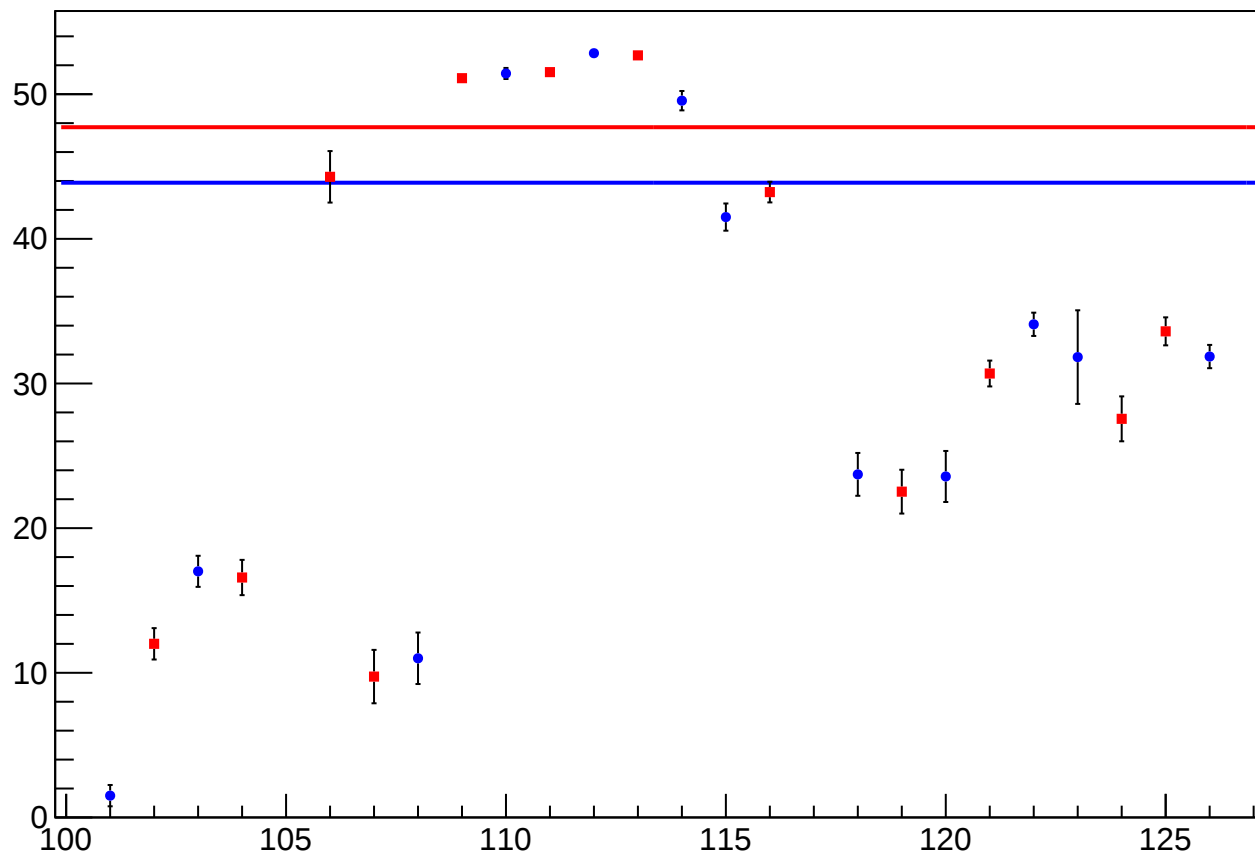
Right: 0.093 $\pm$ 0.008  $\chi^2$ /NDF: 776.2/23

In: 0.111 $\pm$ 0.012  $\chi^2$ /NDF:396.2/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.093 $\pm$ 0.008  $\chi^2$ /NDF: 776.2/23

reg\_asym\_sam7\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 43.881+/-0.188  $\chi^2$ /NDF: 6345.2/11

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 47.718+/-0.159  $\chi^2$ /NDF: 3748.8/11

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

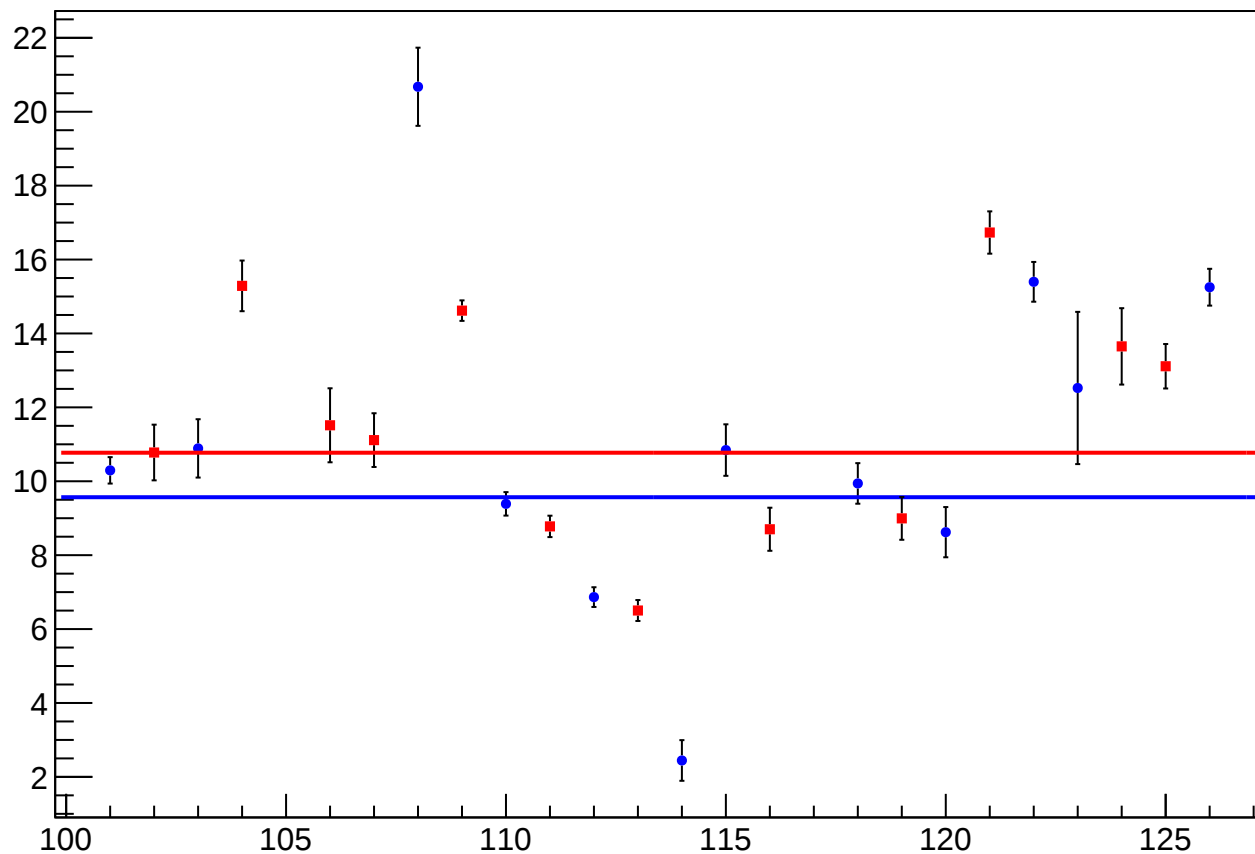
Right: 46.111+/-0.121  $\chi^2$ /NDF: 10337.2/23

In: 43.881+/-0.188  $\chi^2$ /NDF:6345.2/11

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 46.111+/-0.121  $\chi^2$ /NDF: 10337.2/23

reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.568+/-0.138  $\chi^2/\text{NDF}$ : 643.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.772+/-0.133  $\chi^2/\text{NDF}$ : 664.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

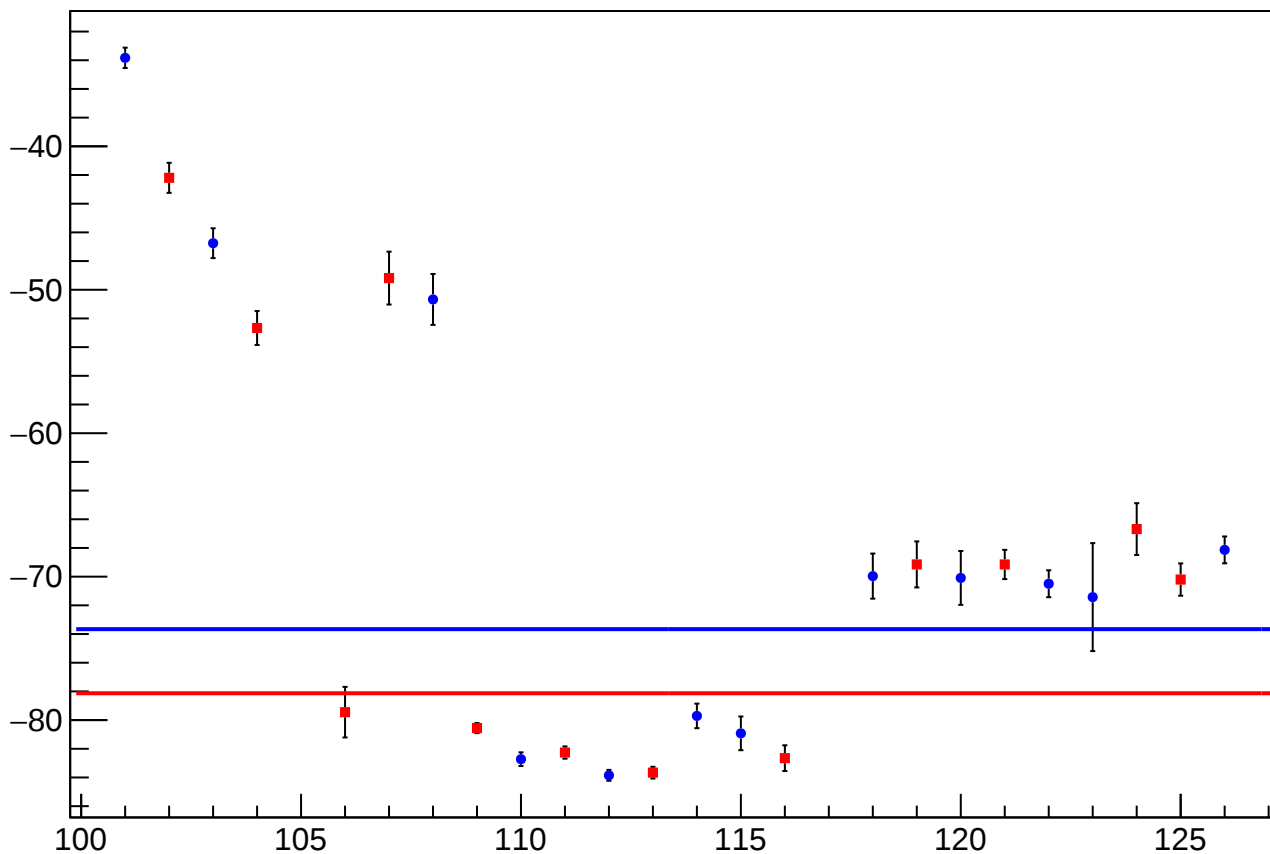
Right: 10.192+/-0.095  $\chi^2/\text{NDF}$ : 1347.2/23

In: 9.568+/-0.138  $\chi^2/\text{NDF}$ : 643.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.192+/-0.095  $\chi^2/\text{NDF}$ : 1347.2/23

reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -73.660+/-0.226  $\chi^2/\text{NDF}$ : 5209.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -78.129+/-0.198  $\chi^2/\text{NDF}$ : 2440.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

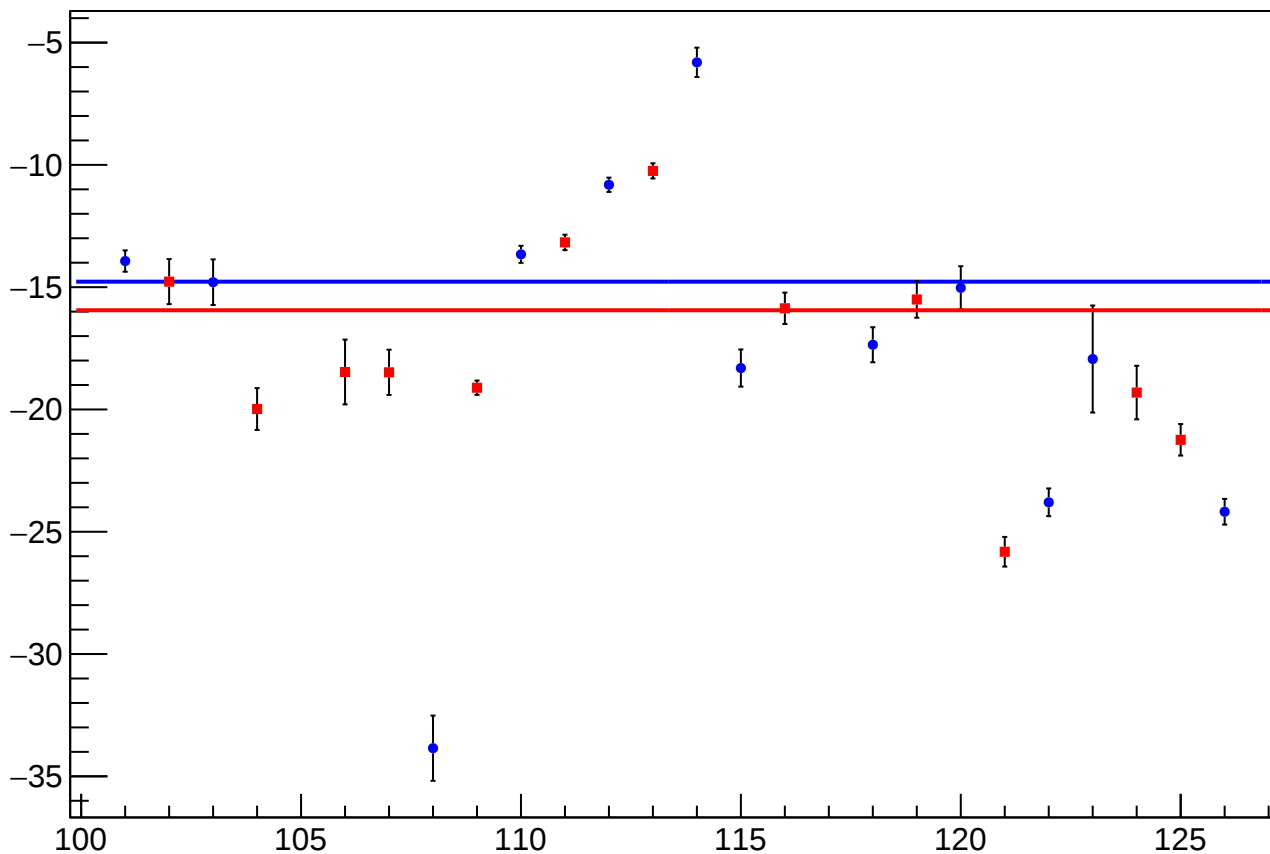
Right: -76.182+/-0.149  $\chi^2/\text{NDF}$ : 7871.1/23

In: -73.660+/-0.226  $\chi^2/\text{NDF}$ : 5209.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -76.182+/-0.149  $\chi^2/\text{NDF}$ : 7871.1/23

reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-14.775 \pm 0.155$   $\chi^2/\text{NDF}$ : 1237.4/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-15.943 \pm 0.147$   $\chi^2/\text{NDF}$ : 908.5/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

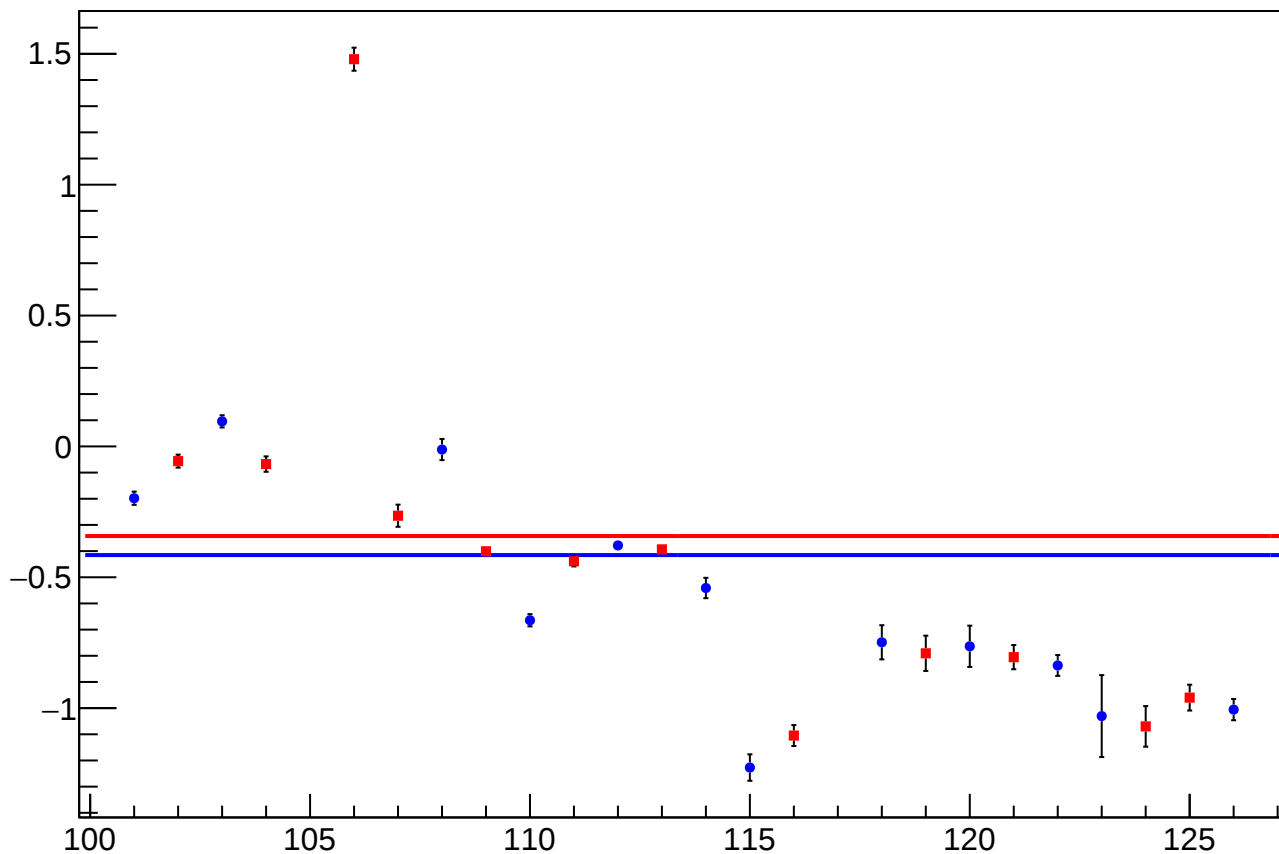
Right:  $-15.392 \pm 0.107$   $\chi^2/\text{NDF}$ : 2175.8/23

In:  $-14.775 \pm 0.155$   $\chi^2/\text{NDF}$ : 1237.4/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-15.392 \pm 0.107$   $\chi^2/\text{NDF}$ : 2175.8/23

reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.415+/-0.009  $\chi^2/\text{NDF}$ : 1424.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.342+/-0.008  $\chi^2/\text{NDF}$ : 2727.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

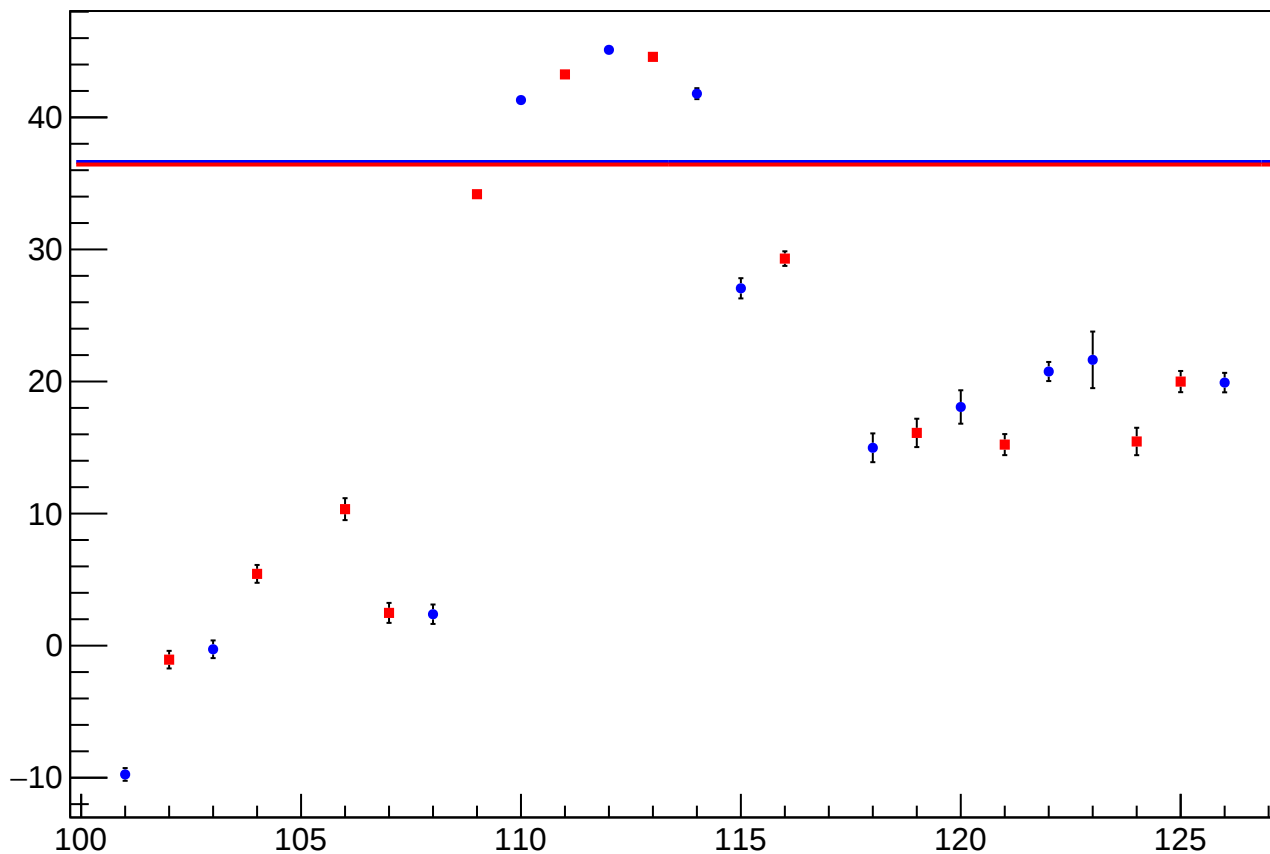
Right: -0.375+/-0.006  $\chi^2/\text{NDF}$ : 4186.9/23

In: -0.415+/-0.009  $\chi^2/\text{NDF}$ :1424.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.375+/-0.006  $\chi^2/\text{NDF}$ : 4186.9/23

reg\_asym\_sam8\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 36.620+/-0.110  $\chi^2/\text{NDF}$ : 19617.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 36.429+/-0.090  $\chi^2/\text{NDF}$ : 14085.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

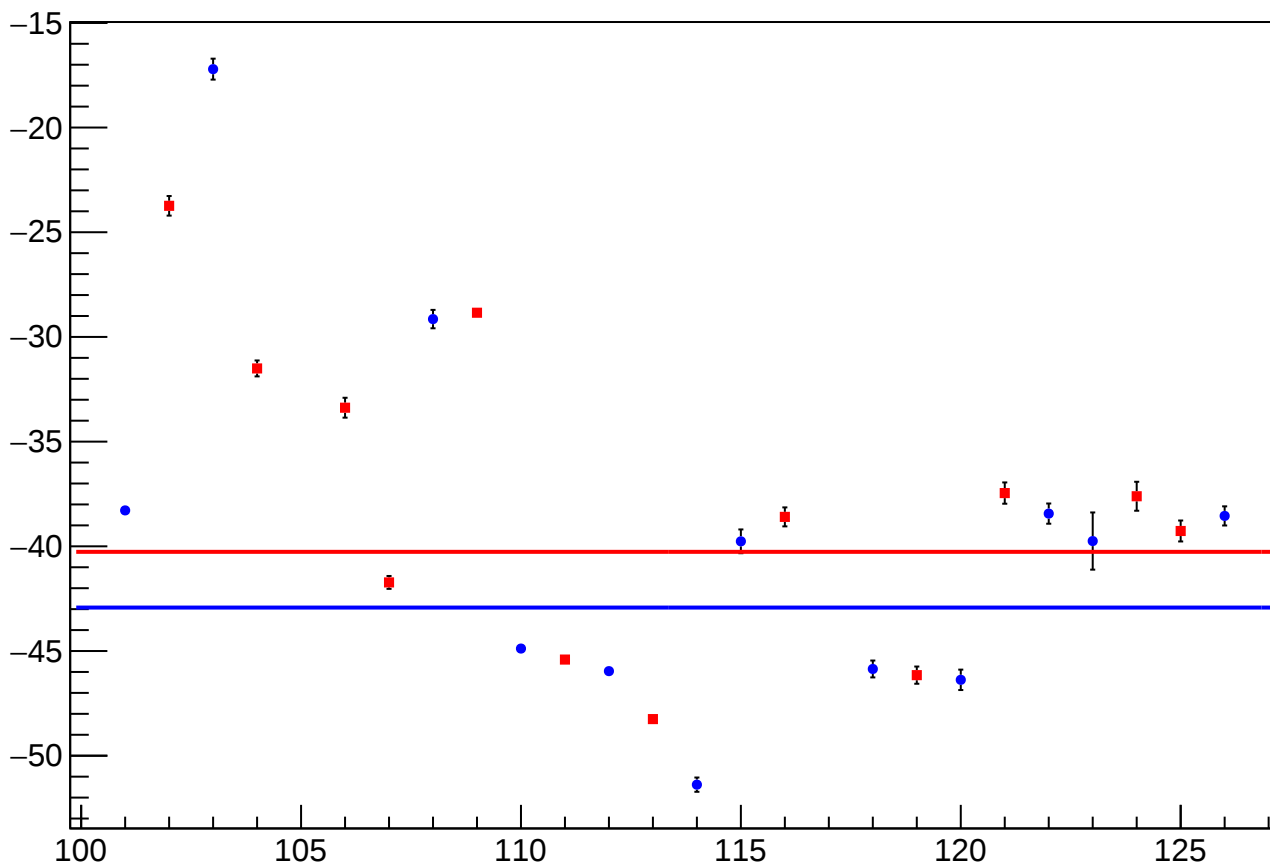
Right: 36.505+/-0.070  $\chi^2/\text{NDF}$ : 33704.5/23

In: 36.620+/-0.110  $\chi^2/\text{NDF}$ : 19617.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 36.505+/-0.070  $\chi^2/\text{NDF}$ : 33704.5/23

reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-42.924 \pm 0.085$   $\chi^2/\text{NDF}: 5511.9/11$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-40.263 \pm 0.078$   $\chi^2/\text{NDF}: 10321.6/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

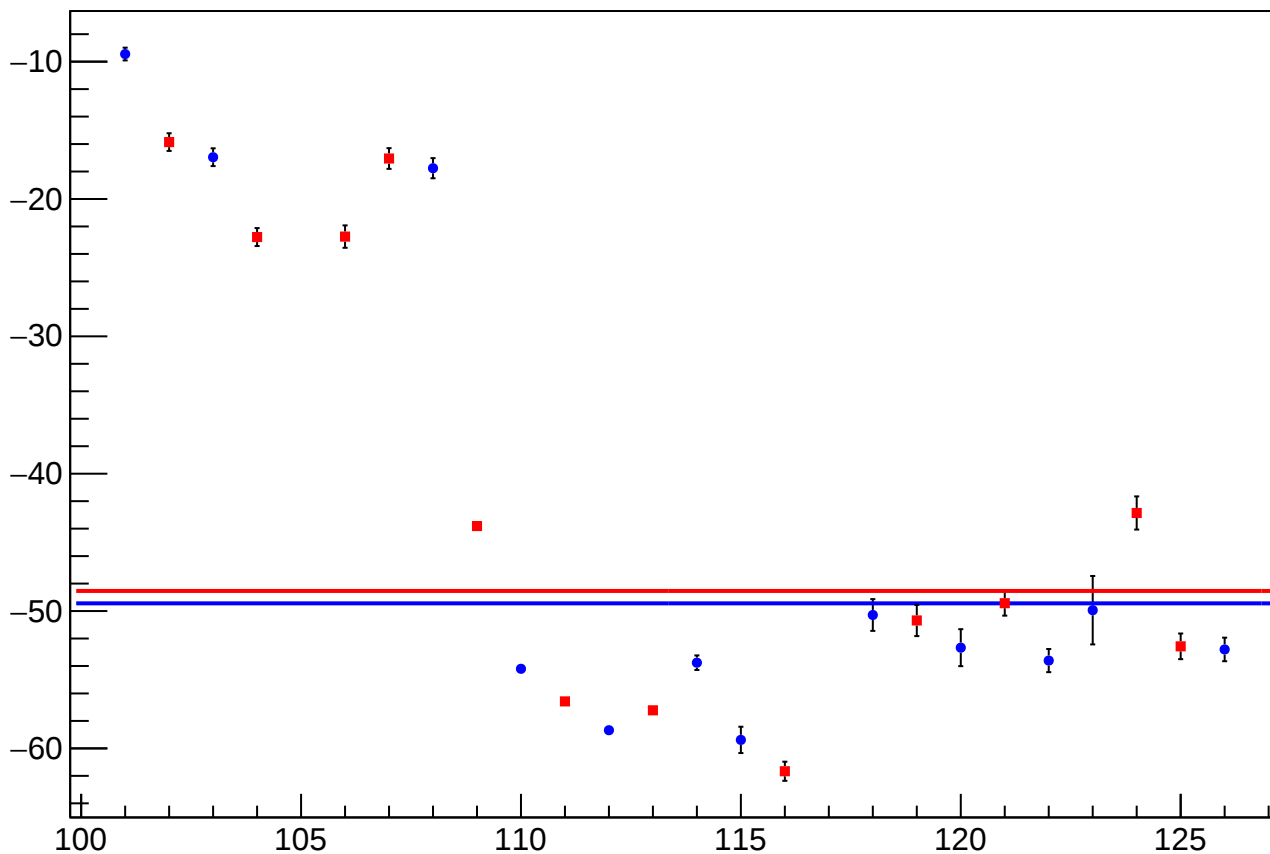
Right:  $-41.483 \pm 0.057$   $\chi^2/\text{NDF}: 16366.4/23$

In:  $-42.924 \pm 0.085$   $\chi^2/\text{NDF}: 5511.9/11$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-41.483 \pm 0.057$   $\chi^2/\text{NDF}: 16366.4/23$

reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -49.440 $\pm$ 0.134  $\chi^2$ /NDF: 14308.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -48.536 $\pm$ 0.112  $\chi^2$ /NDF: 10591.5/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

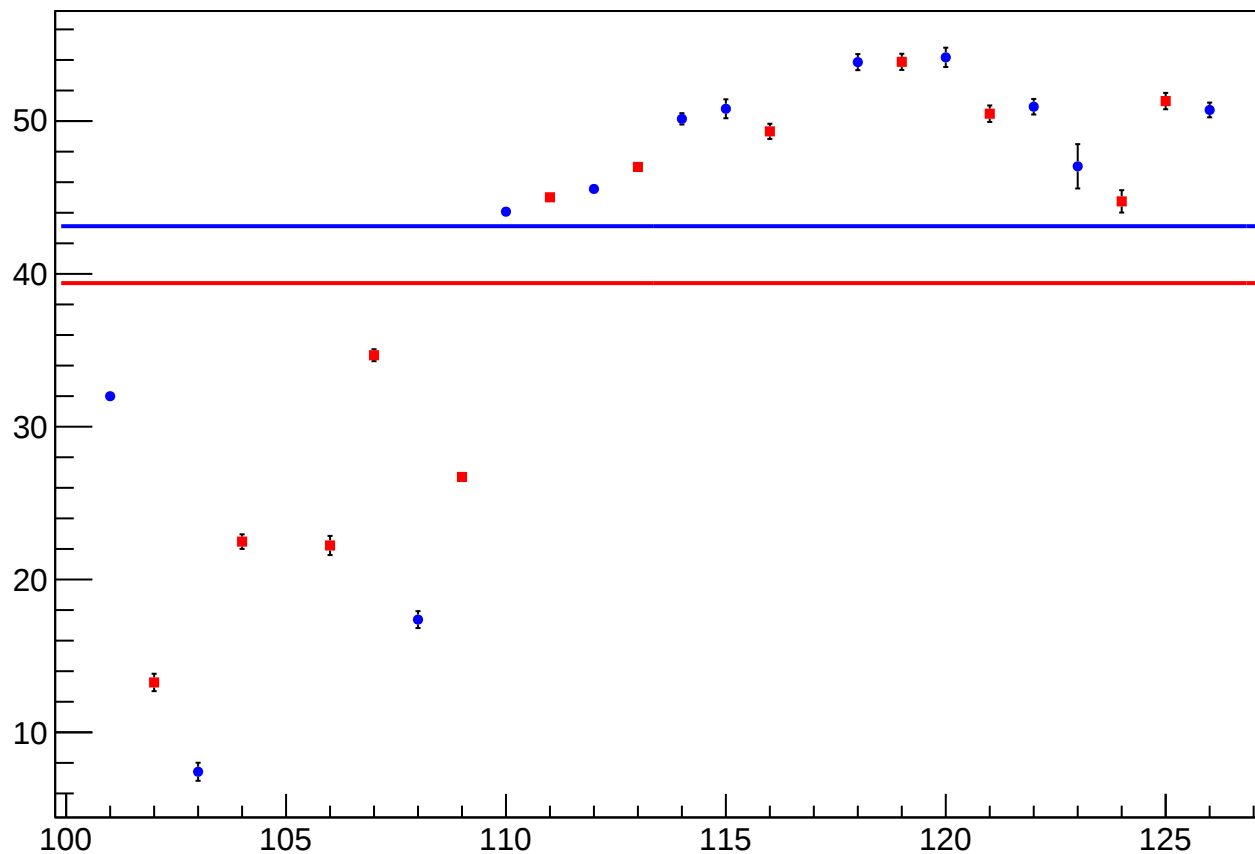
Right: -48.908 $\pm$ 0.086  $\chi^2$ /NDF: 24927.2/23

In: -49.440 $\pm$ 0.134  $\chi^2$ /NDF:14308.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -48.908 $\pm$ 0.086  $\chi^2$ /NDF: 24927.2/23

reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 43.121+/-0.095  $\chi^2/\text{NDF}$ : 9322.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 39.398+/-0.086  $\chi^2/\text{NDF}$ : 14539.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

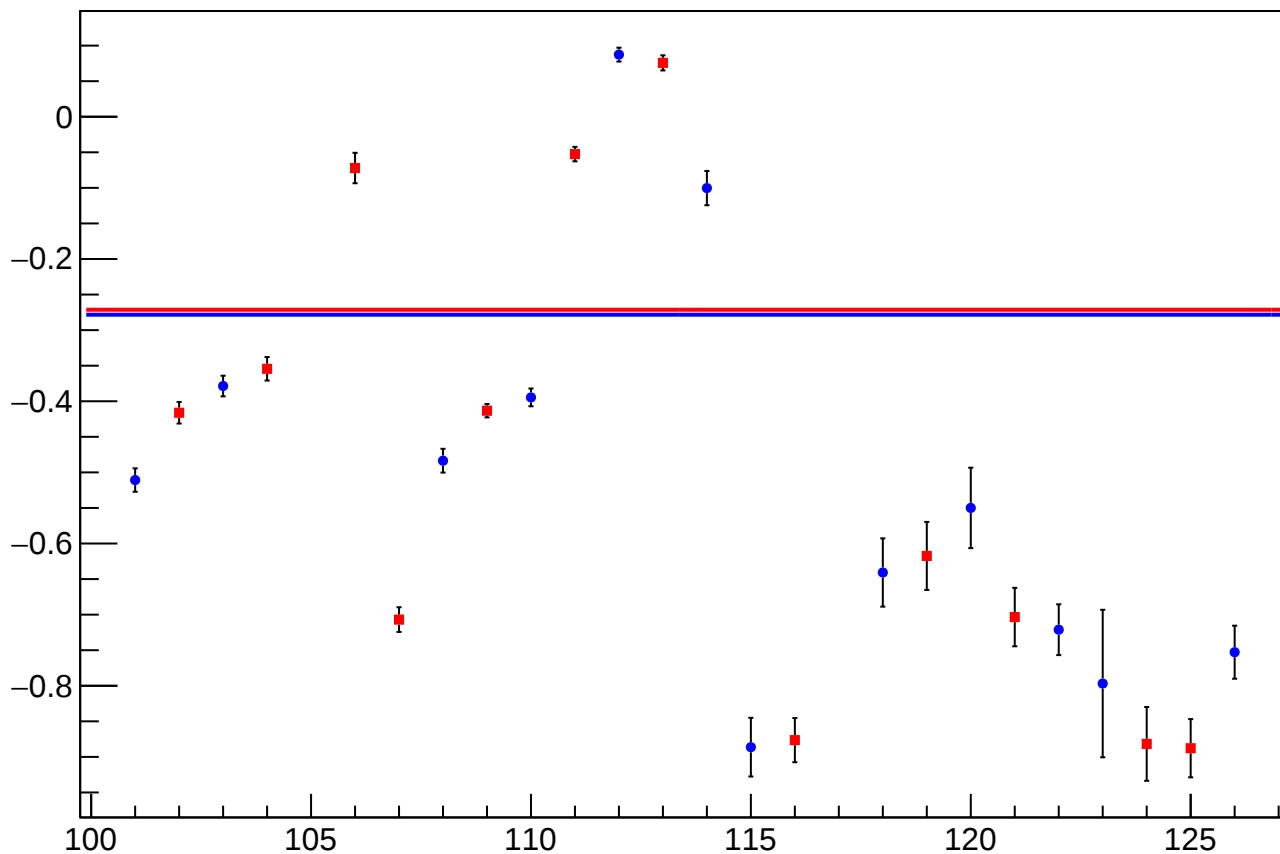
Right: 41.072+/-0.064  $\chi^2/\text{NDF}$ : 24699.7/23

In: 43.121+/-0.095  $\chi^2/\text{NDF}$ : 9322.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 41.072+/-0.064  $\chi^2/\text{NDF}$ : 24699.7/23

reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.278+/-0.005  $\chi^2/\text{NDF}$ : 2582.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.271+/-0.005  $\chi^2/\text{NDF}$ : 3497.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

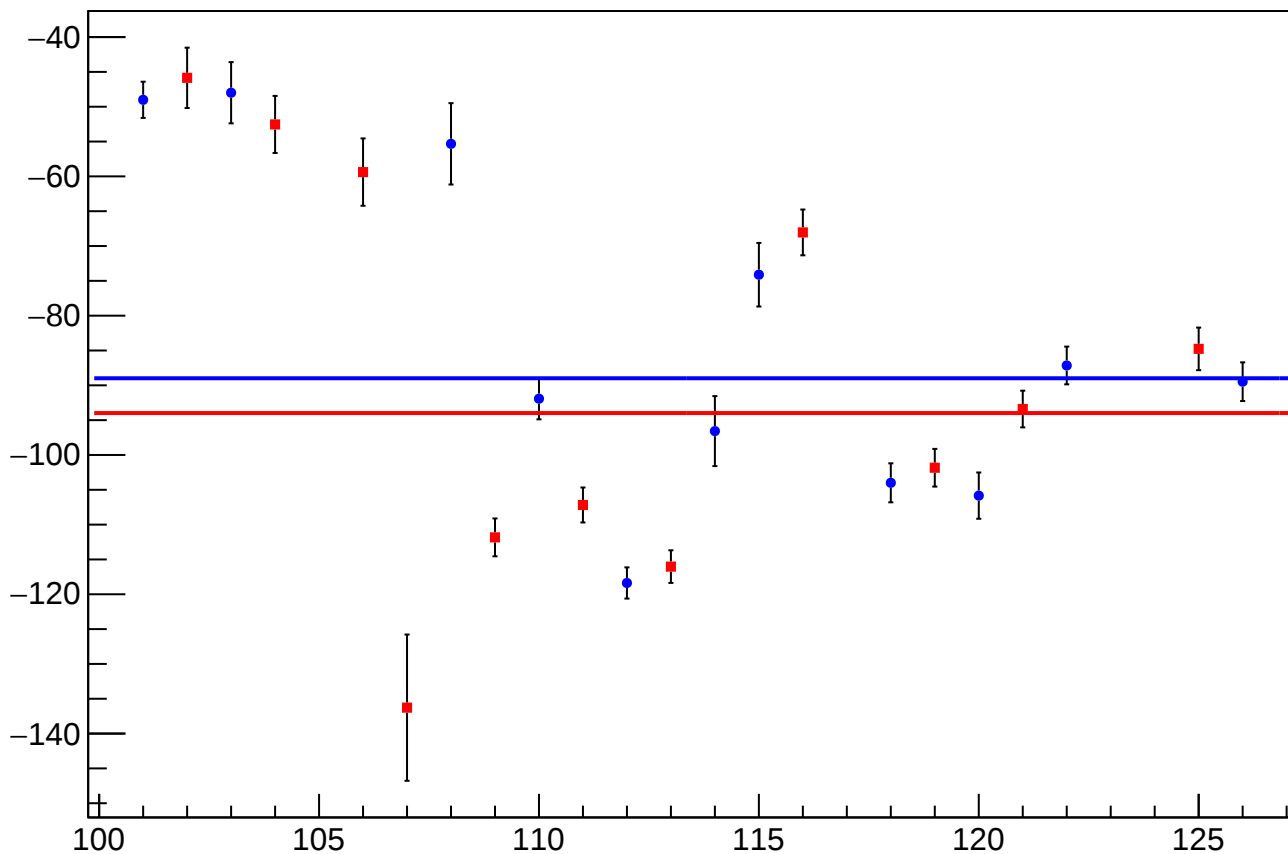
Right: -0.274+/-0.004  $\chi^2/\text{NDF}$ : 6081.6/23

In: -0.278+/-0.005  $\chi^2/\text{NDF}$ :2582.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.274+/-0.004  $\chi^2/\text{NDF}$ : 6081.6/23

reg\_asym\_usl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -88.986 $\pm$ 0.948  $\chi^2$ /NDF: 597.6/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -93.981 $\pm$ 0.944  $\chi^2$ /NDF: 532.6/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

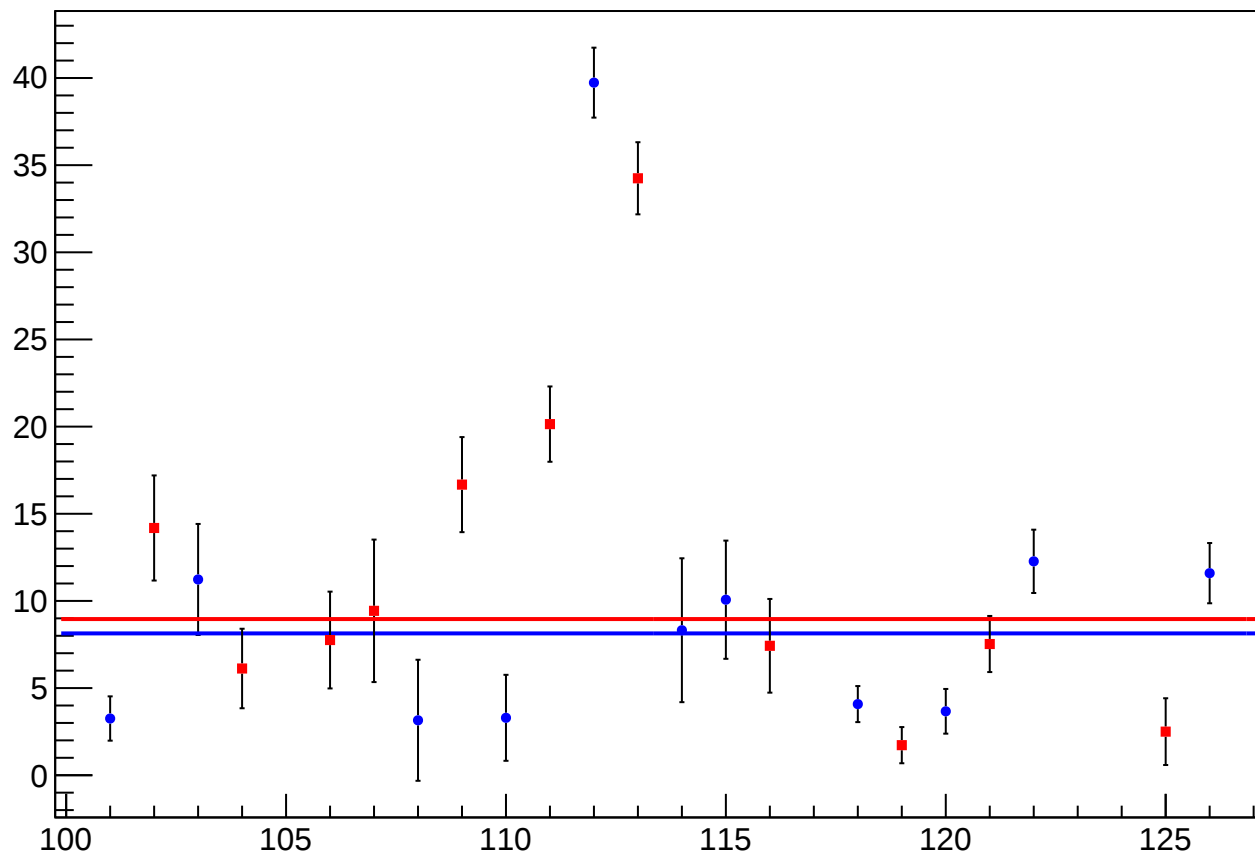
Right: -91.492 $\pm$ 0.669  $\chi^2$ /NDF: 1144.1/21

In: -88.986 $\pm$ 0.948  $\chi^2$ /NDF:597.6/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -91.492 $\pm$ 0.669  $\chi^2$ /NDF: 1144.1/21

reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.137+/-0.531  $\chi^2/\text{NDF}$ : 306.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 8.959+/-0.598  $\chi^2/\text{NDF}$ : 250.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

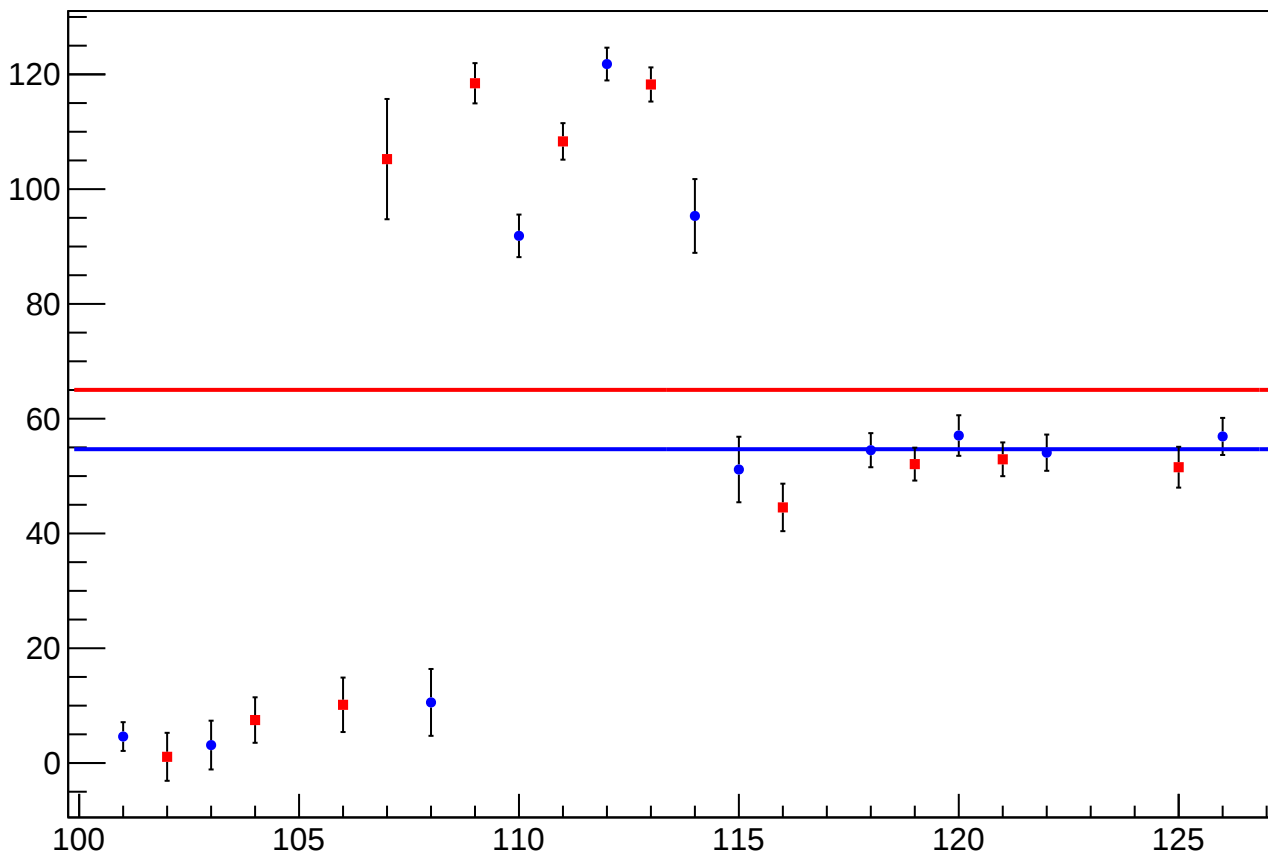
Right: 8.500+/-0.397  $\chi^2/\text{NDF}$ : 557.7/21

In: 8.137+/-0.531  $\chi^2/\text{NDF}$ :306.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 8.500+/-0.397  $\chi^2/\text{NDF}$ : 557.7/21

# reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 54.685+/-1.064  $\chi^2/\text{NDF}$ : 1298.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 65.023+/-1.090  $\chi^2/\text{NDF}$ : 1406.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

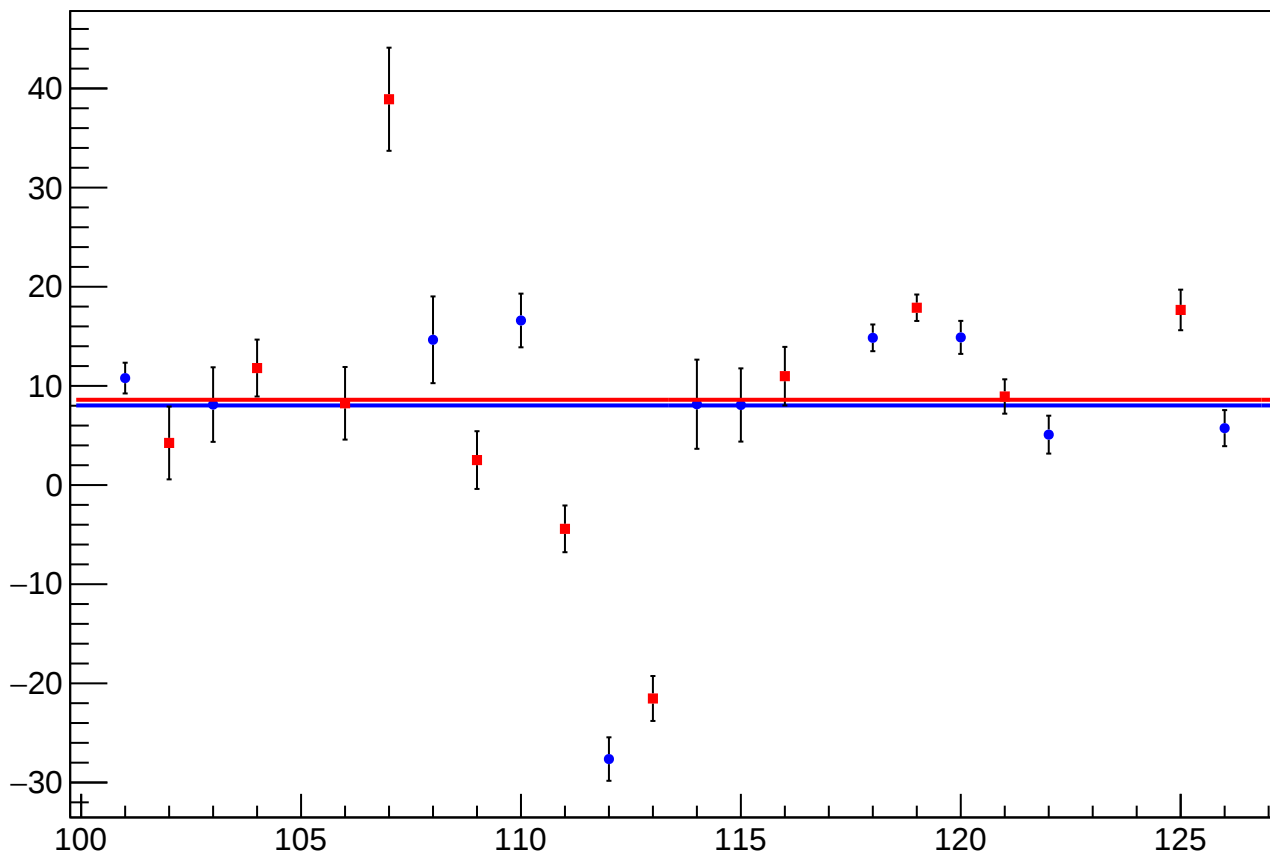
Right: 59.727+/-0.761  $\chi^2/\text{NDF}$ : 2751.1/21

In: 54.685+/-1.064  $\chi^2/\text{NDF}$ : 1298.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 59.727+/-0.761  $\chi^2/\text{NDF}$ : 2751.1/21

reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.028+/-0.633  $\chi^2/\text{NDF}$ : 326.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.601+/-0.699  $\chi^2/\text{NDF}$ : 317.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

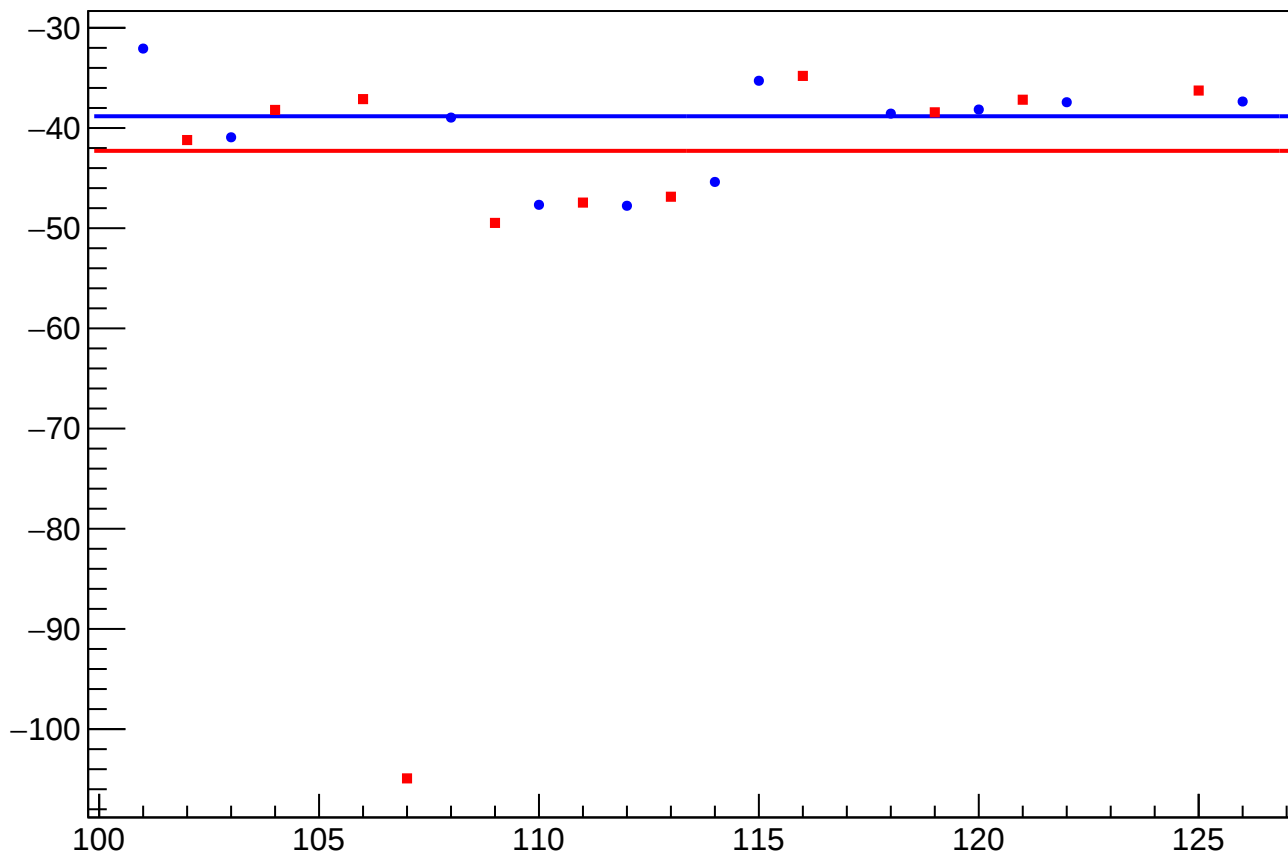
Right: 8.286+/-0.469  $\chi^2/\text{NDF}$ : 643.9/21

In: 8.028+/-0.633  $\chi^2/\text{NDF}$ : 326.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.286+/-0.469  $\chi^2/\text{NDF}$ : 643.9/21

reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.826+/-0.040  $\chi^2/\text{NDF}$ : 13980.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -42.279+/-0.040  $\chi^2/\text{NDF}$ : 81270.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

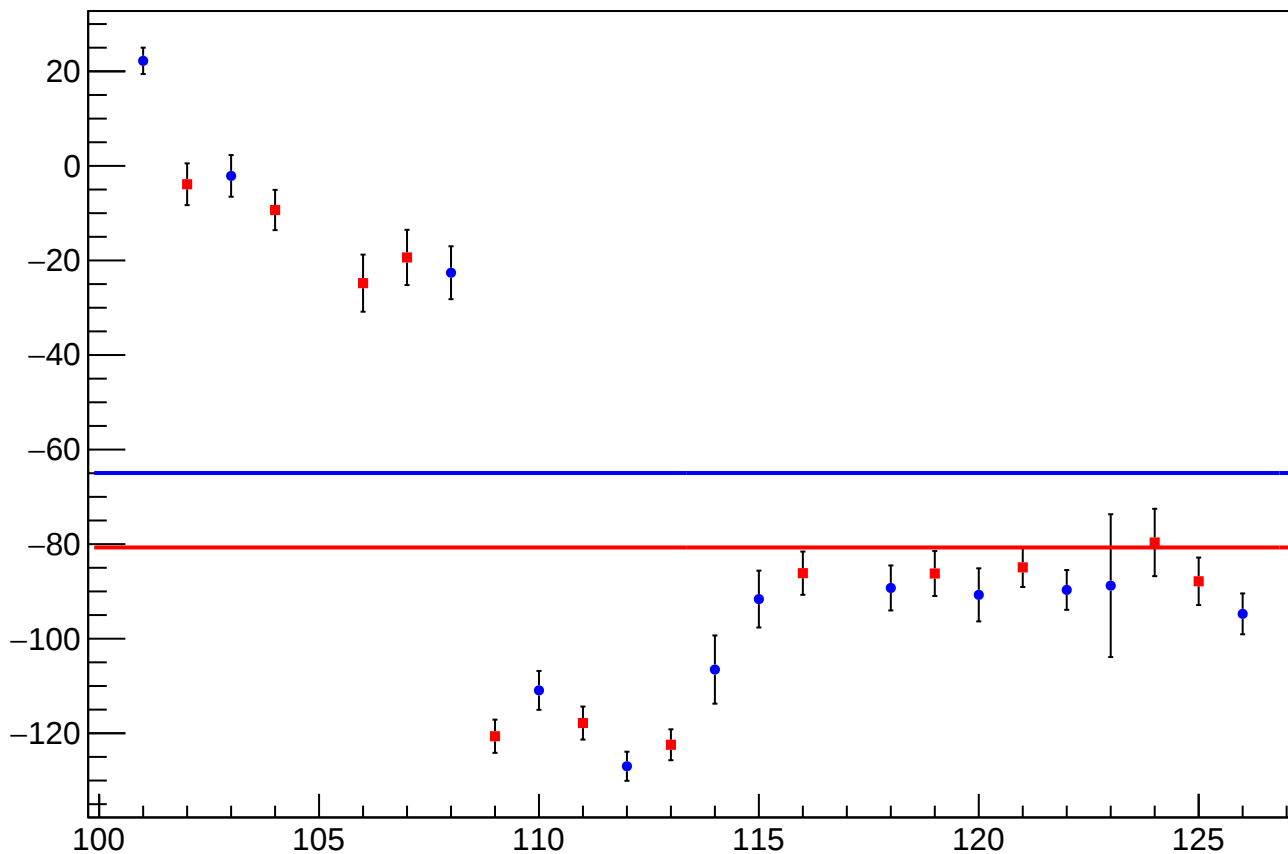
Right: -40.550+/-0.028  $\chi^2/\text{NDF}$ : 98962.9/21

In: -38.826+/-0.040  $\chi^2/\text{NDF}$ : 13980.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -40.550+/-0.028  $\chi^2/\text{NDF}$ : 98962.9/21

reg\_asym\_usr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -64.954+/-1.276  $\chi^2/\text{NDF}$ : 1954.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -80.704+/-1.260  $\chi^2/\text{NDF}$ : 1191.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

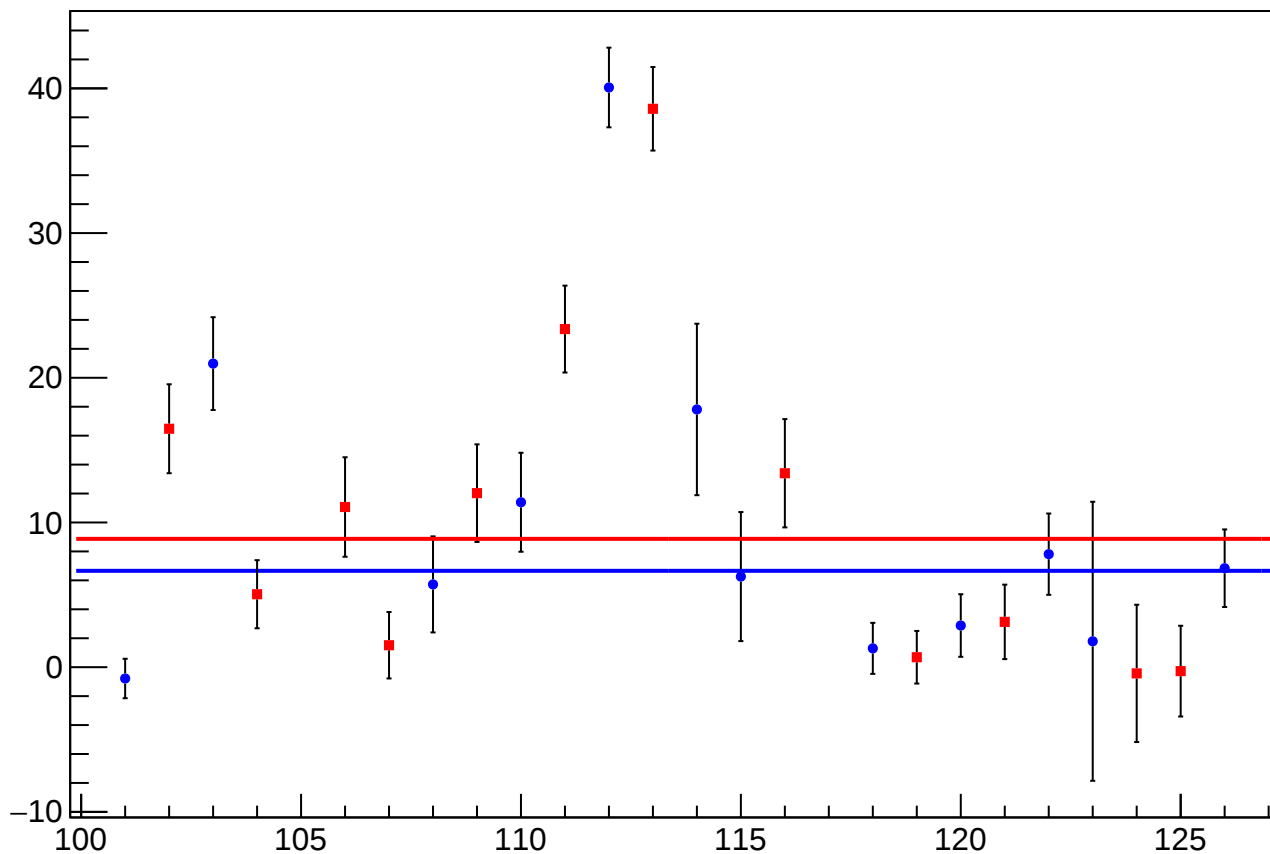
Right: -72.925+/-0.897  $\chi^2/\text{NDF}$ : 3223.3/23

In: -64.954+/-1.276  $\chi^2/\text{NDF}$ : 1954.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -72.925+/-0.897  $\chi^2/\text{NDF}$ : 3223.3/23

reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.659+/-0.738  $\chi^2/\text{NDF}$ : 215.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.869+/-0.803  $\chi^2/\text{NDF}$ : 188.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

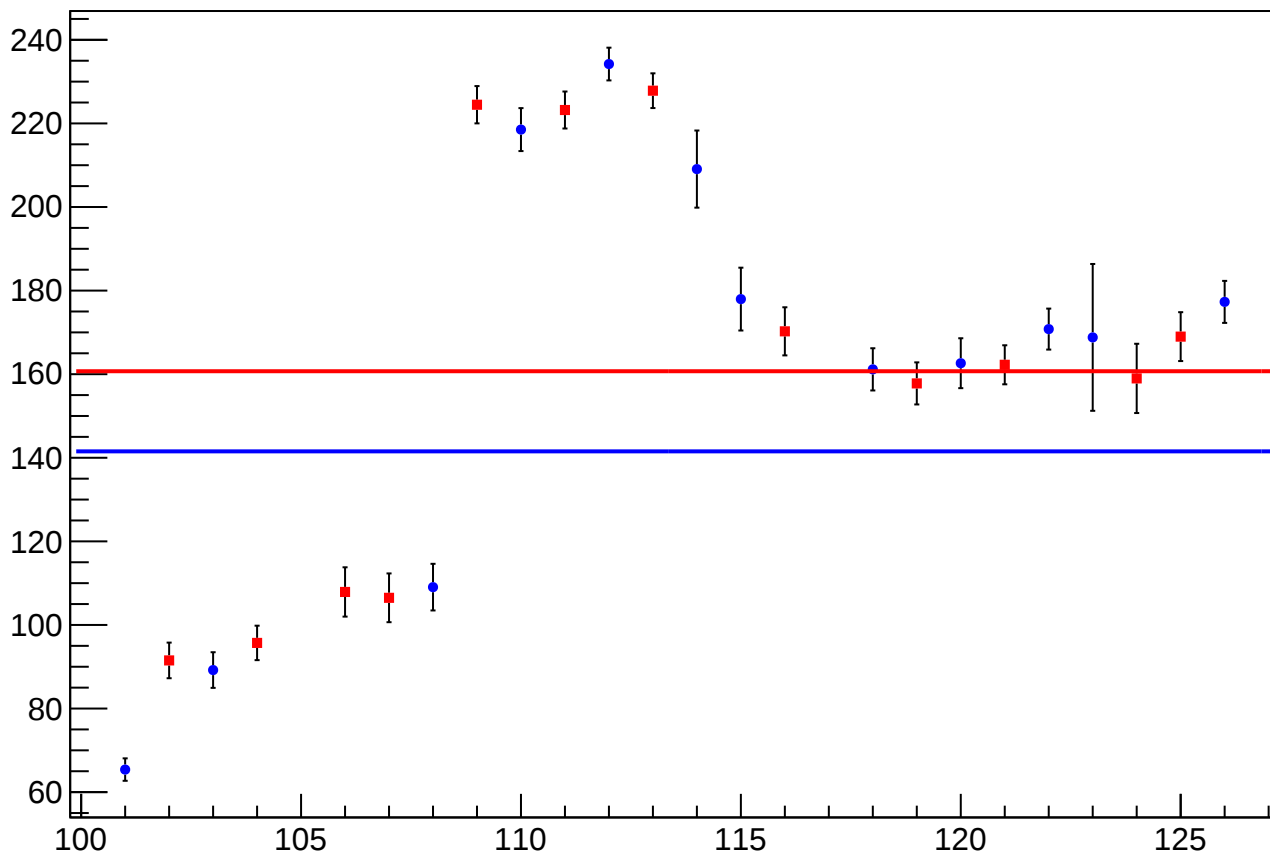
Right: 7.671+/-0.543  $\chi^2/\text{NDF}$ : 408.1/23

In: 6.659+/-0.738  $\chi^2/\text{NDF}$ : 215.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.671+/-0.543  $\chi^2/\text{NDF}$ : 408.1/23

reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 141.535+/-1.400  $\chi^2/\text{NDF}$ : 1965.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 160.707+/-1.428  $\chi^2/\text{NDF}$ : 1349.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

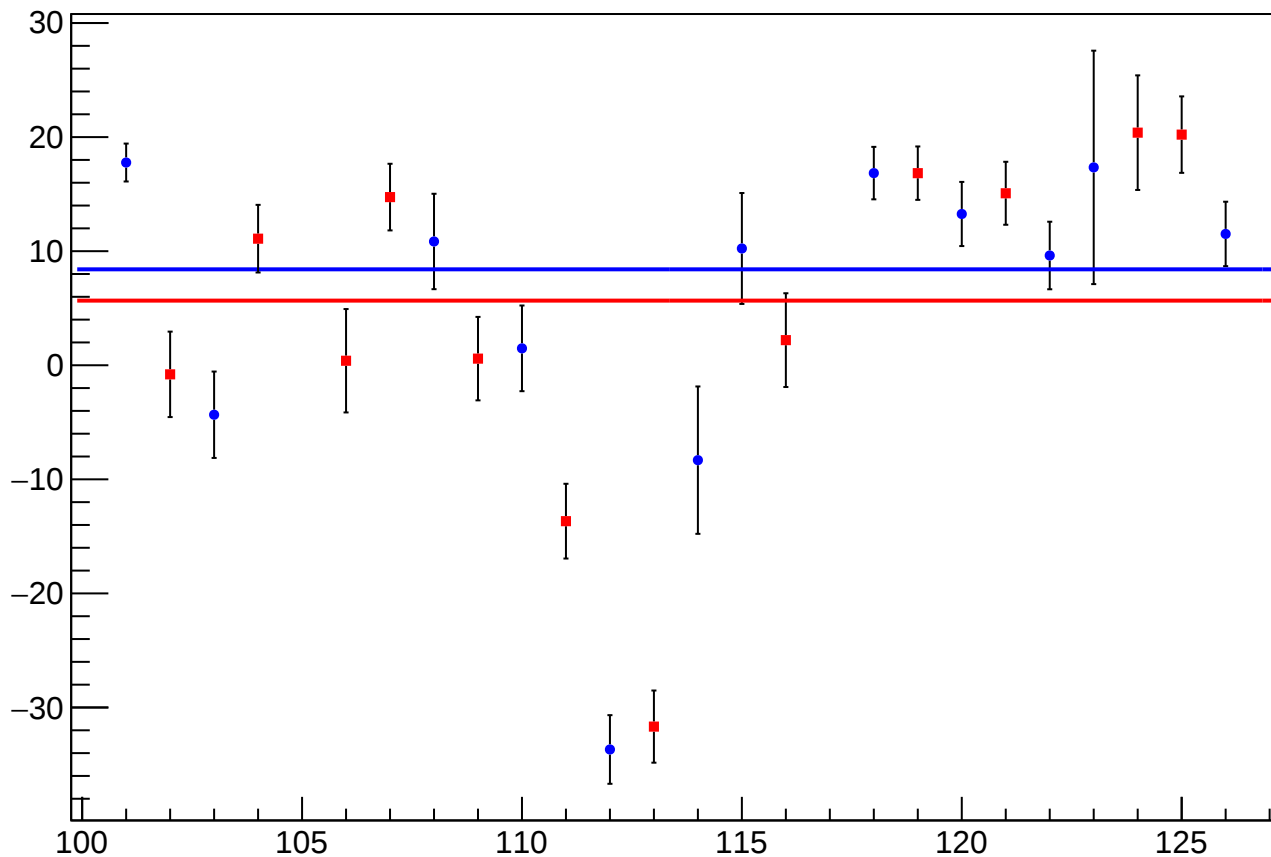
Right: 150.935+/-1.000  $\chi^2/\text{NDF}$ : 3406.6/23

In: 141.535+/-1.400  $\chi^2/\text{NDF}$ : 1965.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 150.935+/-1.000  $\chi^2/\text{NDF}$ : 3406.6/23

reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.409+/-0.877  $\chi^2/\text{NDF}$ : 267.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.667+/-0.945  $\chi^2/\text{NDF}$ : 256.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

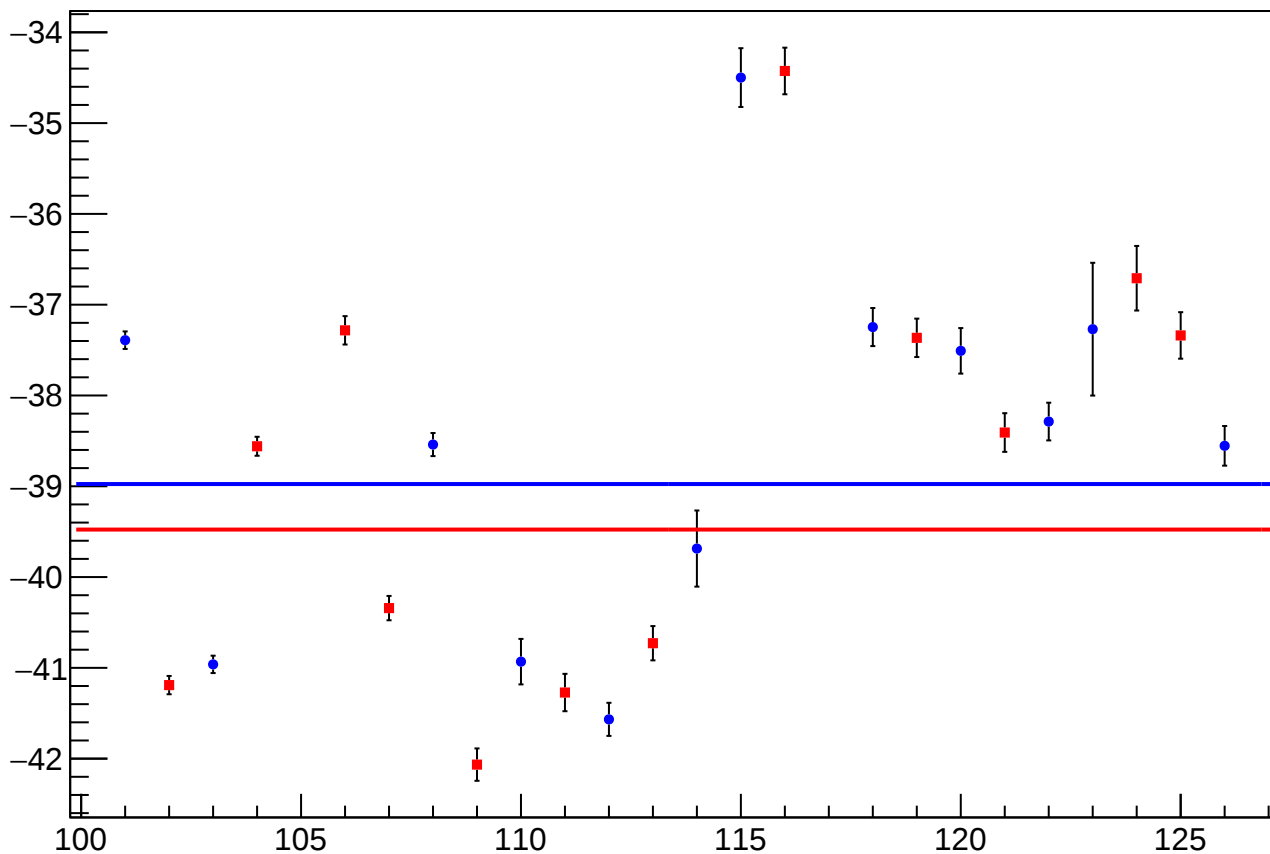
Right: 7.140+/-0.643  $\chi^2/\text{NDF}$ : 528.4/23

In: 8.409+/-0.877  $\chi^2/\text{NDF}$ : 267.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.140+/-0.643  $\chi^2/\text{NDF}$ : 528.4/23

reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.976 $\pm$ 0.049  $\chi^2$ /NDF: 1291.8/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -39.477 $\pm$ 0.047  $\chi^2$ /NDF: 1577.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

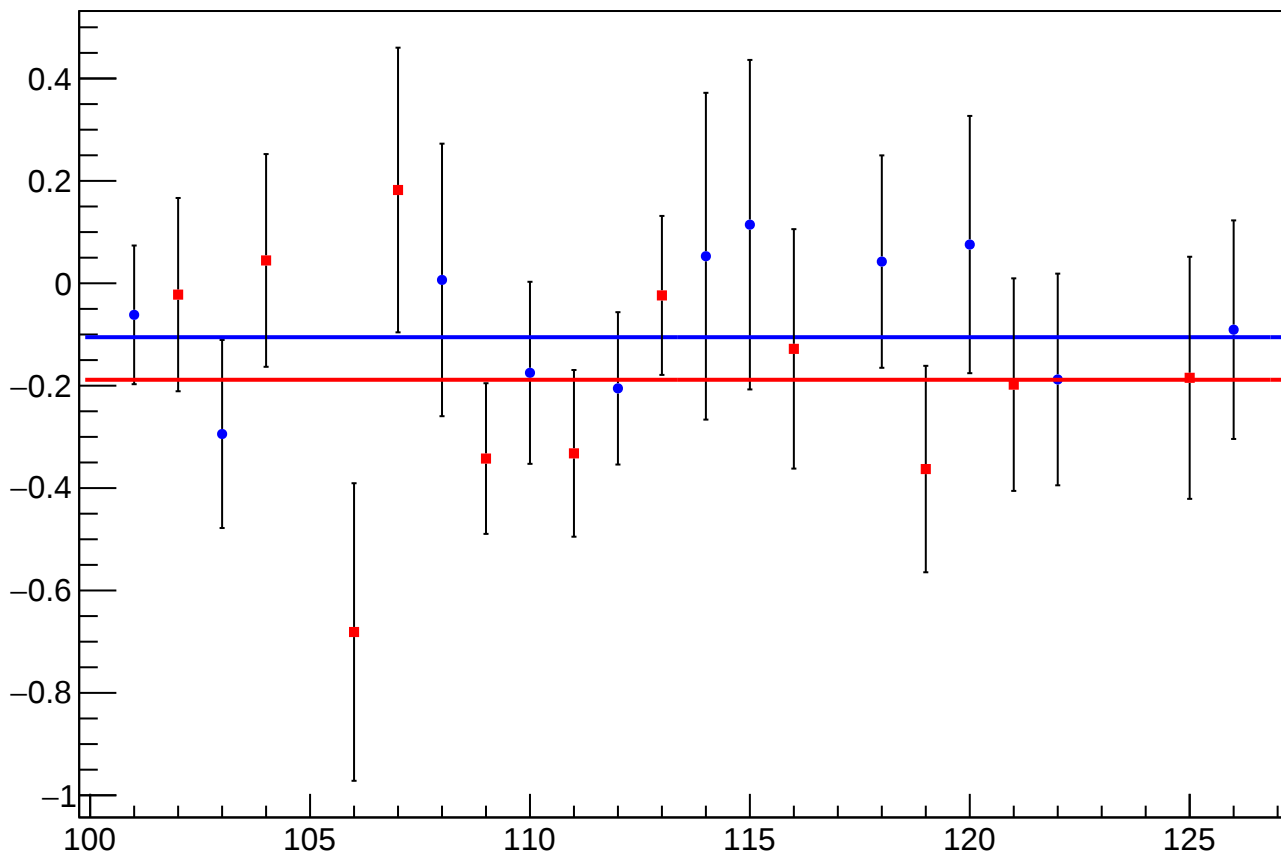
Right: -39.234 $\pm$ 0.034  $\chi^2$ /NDF: 2924.8/23

In: -38.976 $\pm$ 0.049  $\chi^2$ /NDF:1291.8/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -39.234 $\pm$ 0.034  $\chi^2$ /NDF: 2924.8/23

reg\_asym\_dsl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.105+/-0.060  $\chi^2/\text{NDF}$ : 3.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.188+/-0.059  $\chi^2/\text{NDF}$ : 10.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

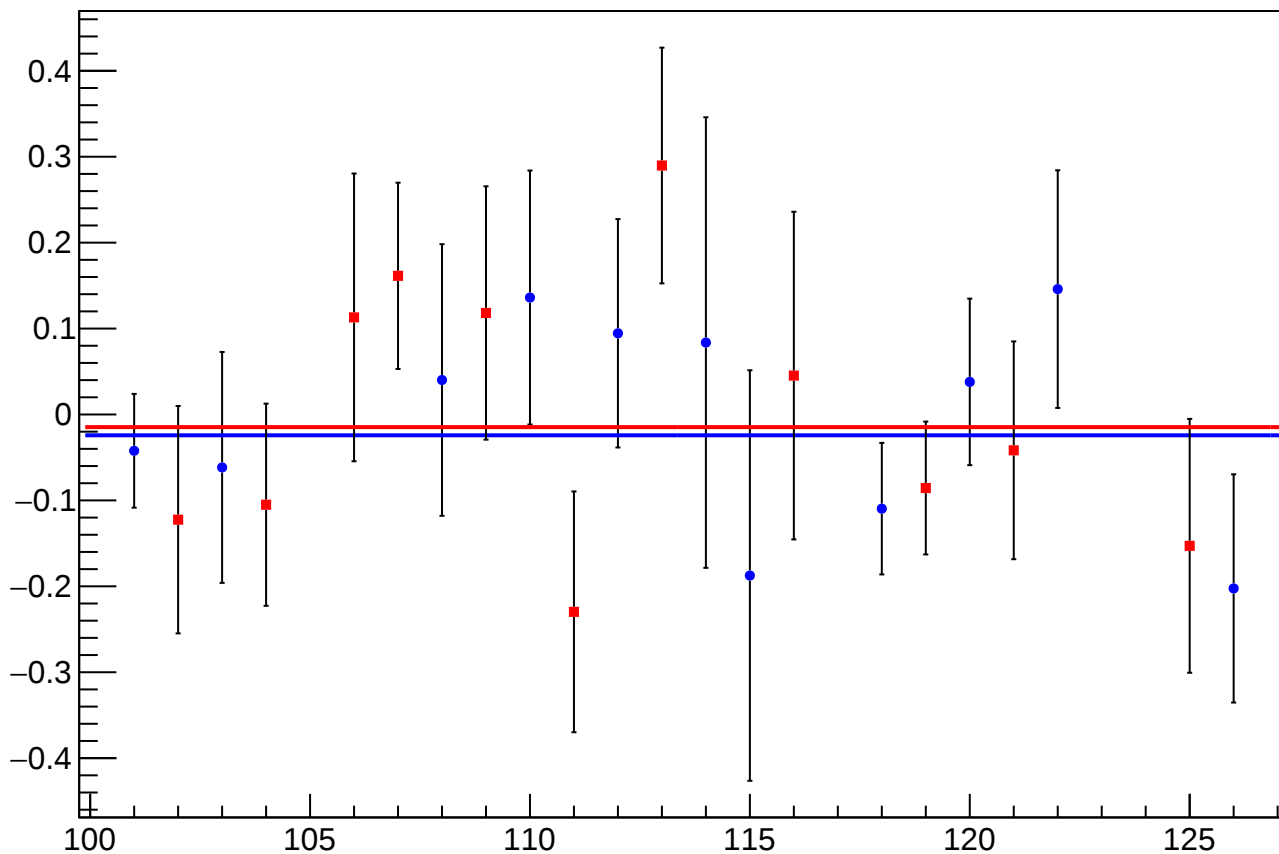
Right: -0.147+/-0.042  $\chi^2/\text{NDF}$ : 15.3/21

In: -0.105+/-0.060  $\chi^2/\text{NDF}$ : 3.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.147+/-0.042  $\chi^2/\text{NDF}$ : 15.3/21

reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.024 \pm 0.034$   $\chi^2/\text{NDF}$ : 7.9/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.015 \pm 0.038$   $\chi^2/\text{NDF}$ : 14.4/10

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

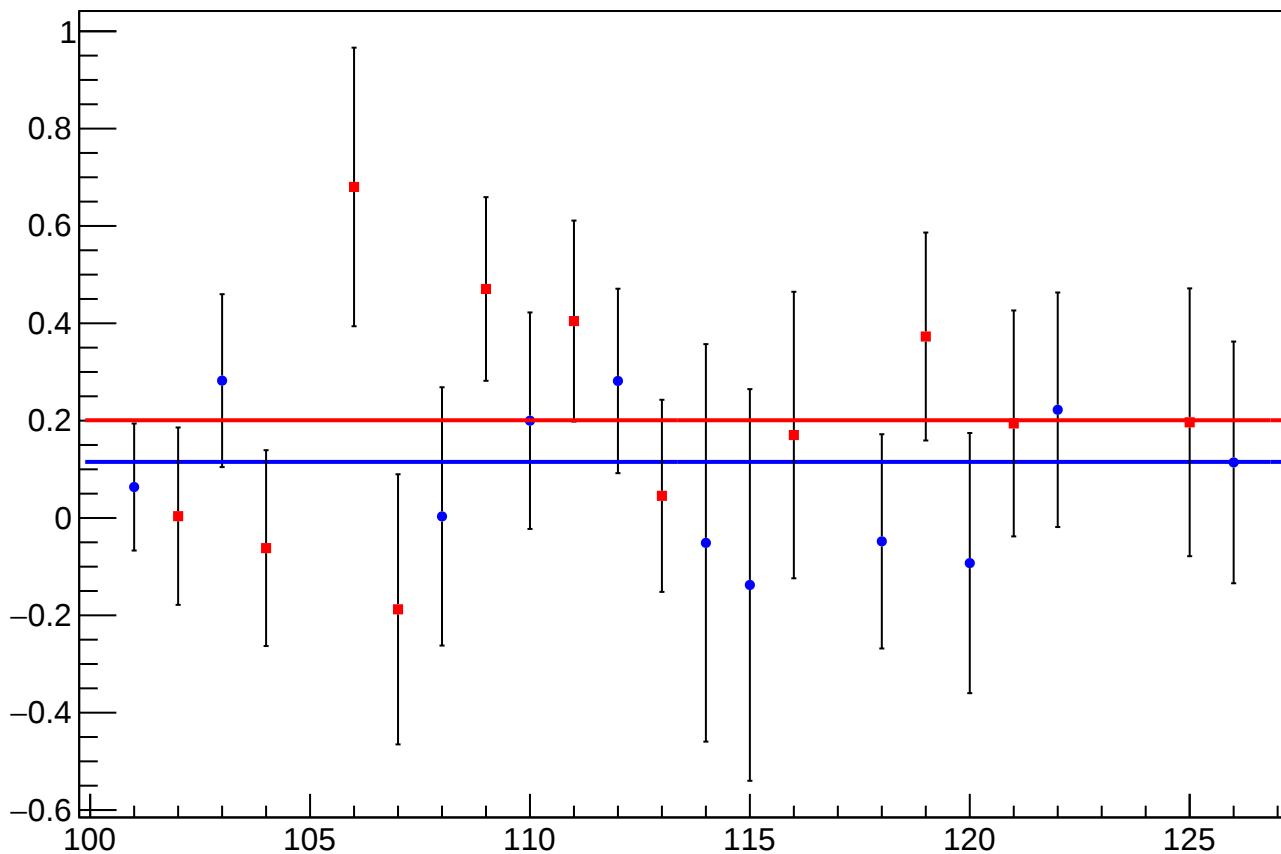
Right:  $-0.020 \pm 0.025$   $\chi^2/\text{NDF}$ : 22.4/21

In:  $-0.024 \pm 0.034$   $\chi^2/\text{NDF}$ : 7.9/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.020 \pm 0.025$   $\chi^2/\text{NDF}$ : 22.4/21

reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.115+/-0.066  $\chi^2/\text{NDF}$ : 4.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.201+/-0.067  $\chi^2/\text{NDF}$ : 11.9/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

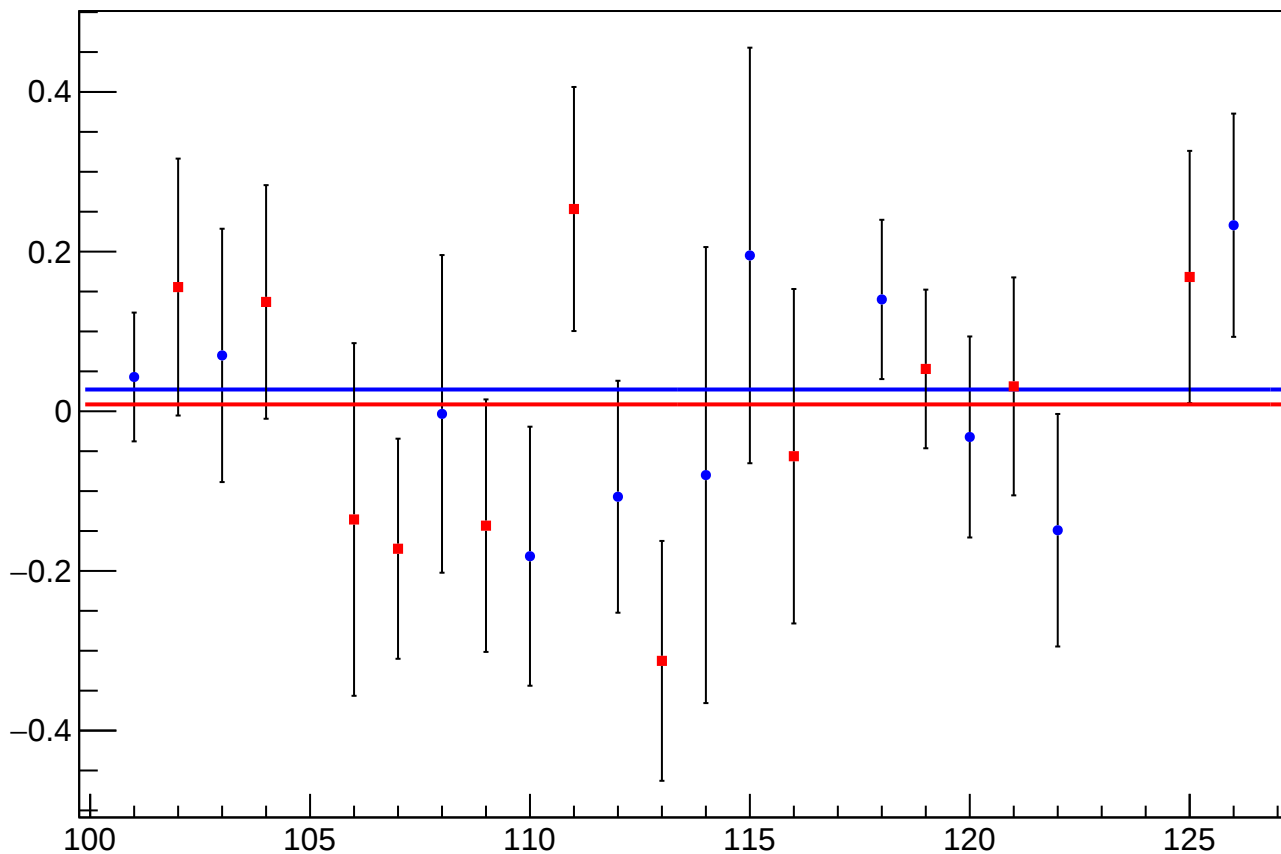
Right: 0.157+/-0.047  $\chi^2/\text{NDF}$ : 16.8/21

In: 0.115+/-0.066  $\chi^2/\text{NDF}$ : 4.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.157+/-0.047  $\chi^2/\text{NDF}$ : 16.8/21

reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.041  $\chi^2/\text{NDF}$ : 8.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.009+/-0.045  $\chi^2/\text{NDF}$ : 13.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

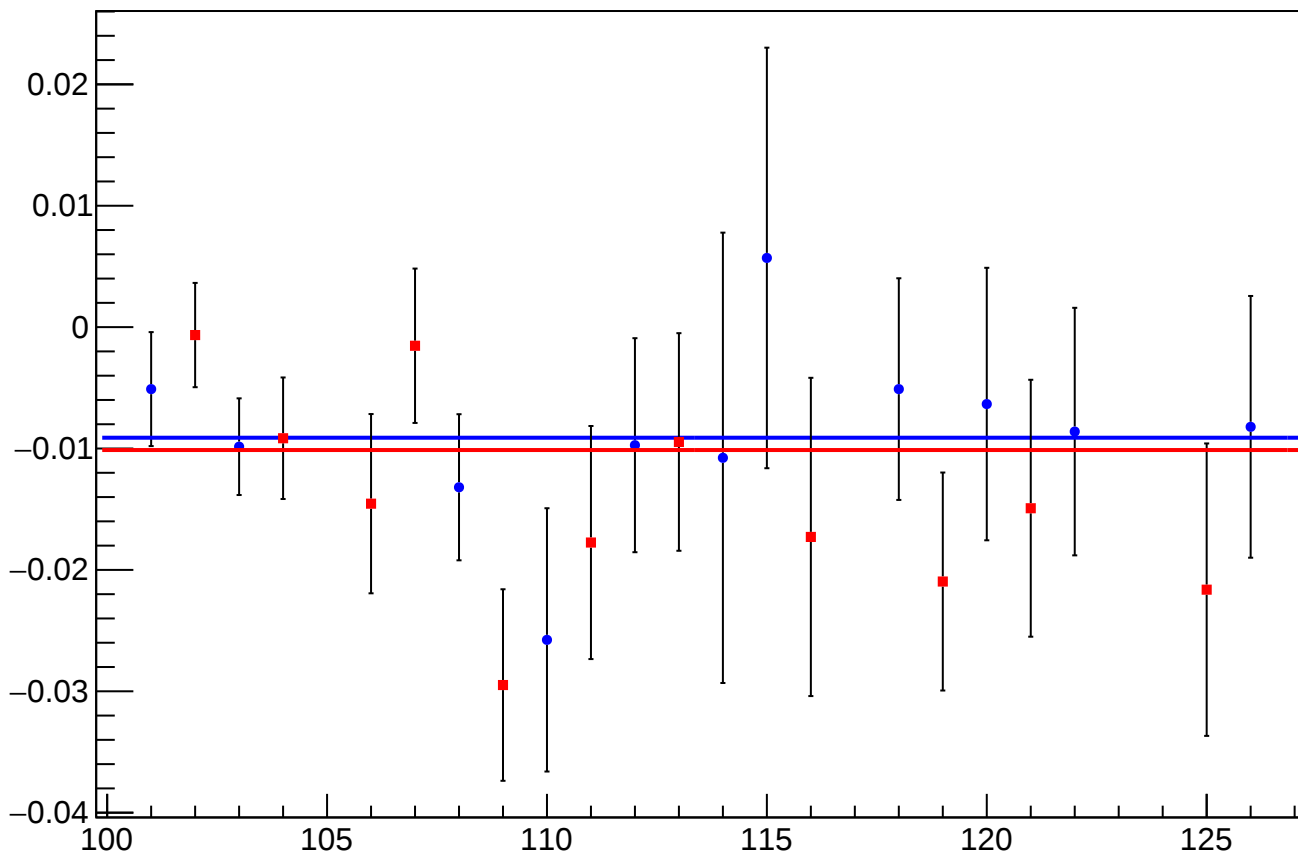
Right: 0.019+/-0.030  $\chi^2/\text{NDF}$ : 21.6/21

In: 0.027+/-0.041  $\chi^2/\text{NDF}$ :8.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.019+/-0.030  $\chi^2/\text{NDF}$ : 21.6/21

reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.009+/-0.002  $\chi^2/\text{NDF}$ : 4.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.010+/-0.002  $\chi^2/\text{NDF}$ : 16.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

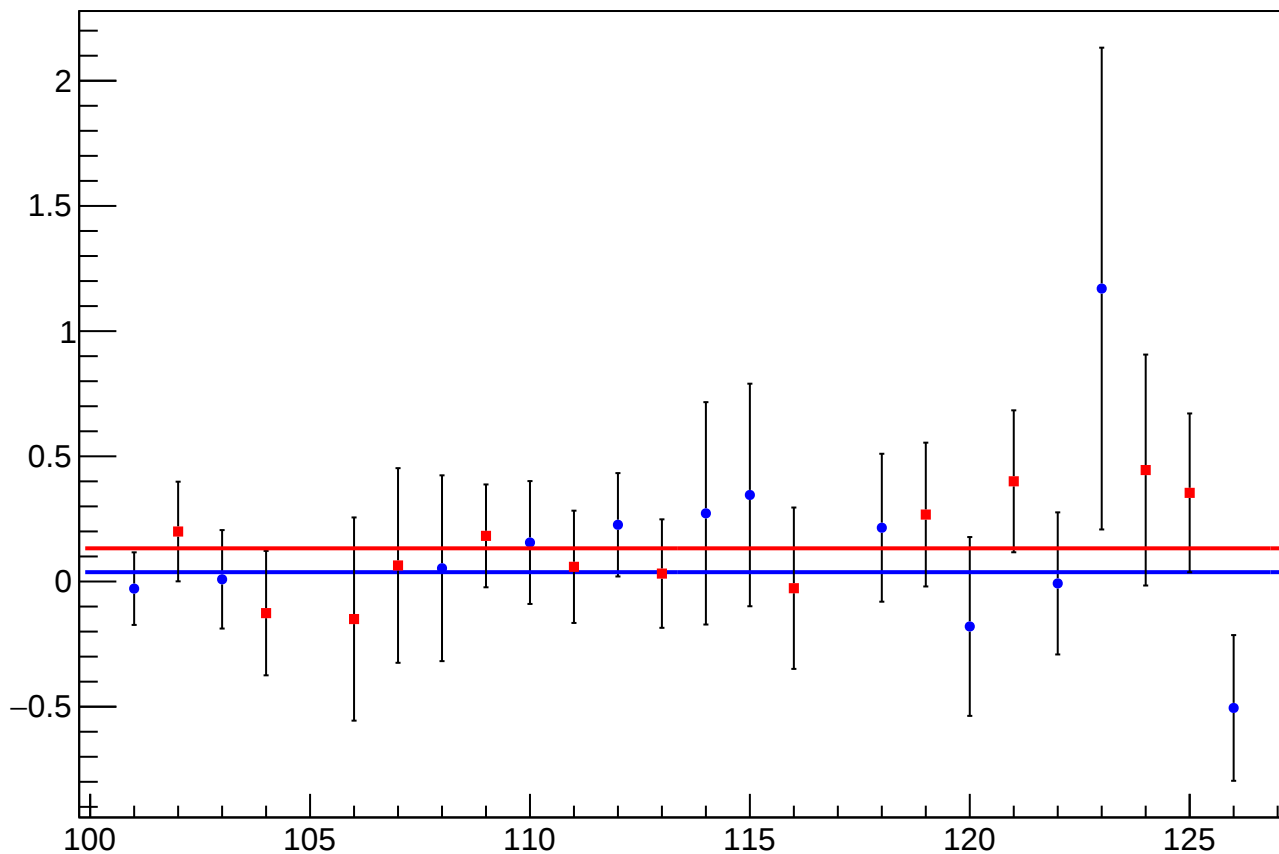
Right: -0.010+/-0.002  $\chi^2/\text{NDF}$ : 21.3/21

In: -0.009+/-0.002  $\chi^2/\text{NDF}$ : 4.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.010+/-0.002  $\chi^2/\text{NDF}$ : 21.3/21

reg\_asym\_dsr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 0.037+/-0.075  $\chi^2/\text{NDF}$ : 7.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.133+/-0.077  $\chi^2/\text{NDF}$ : 4.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

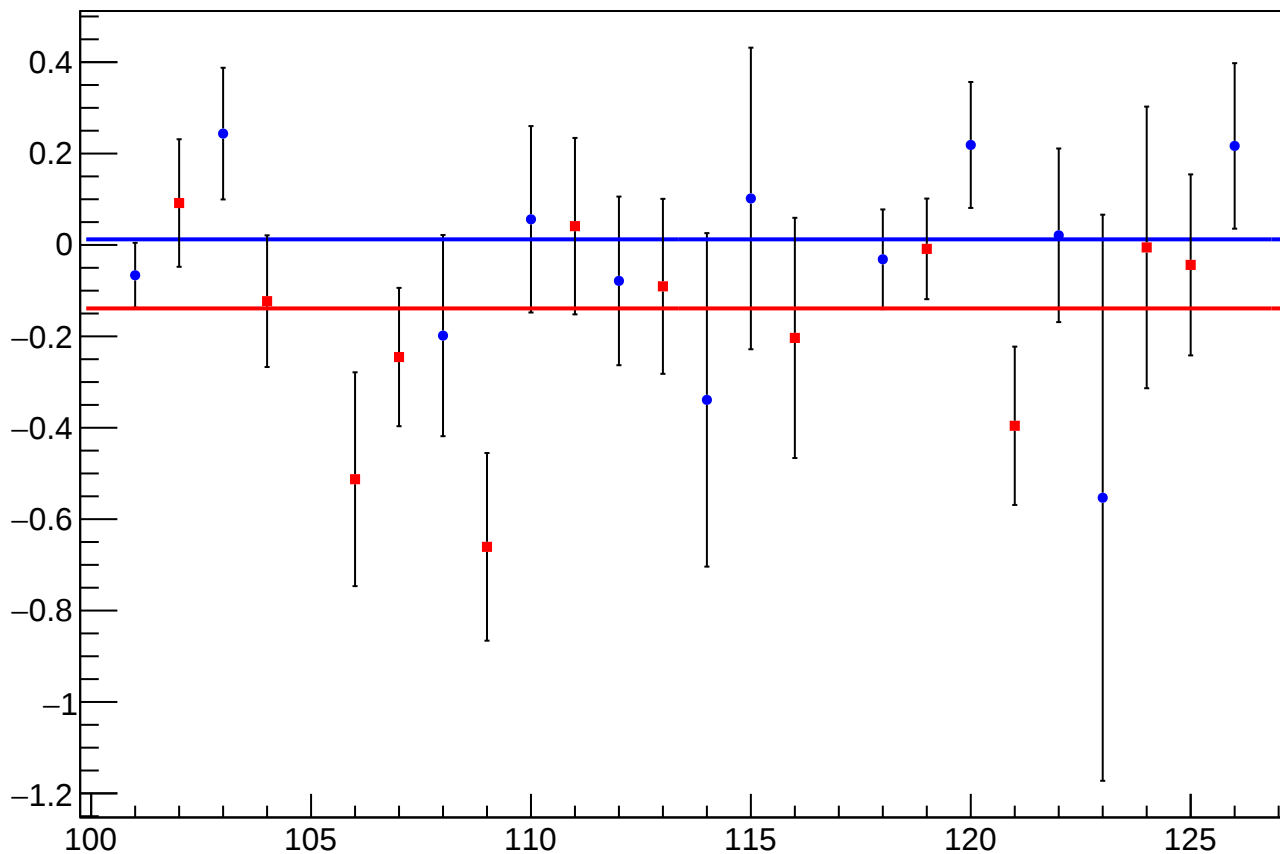
Right: 0.084+/-0.054  $\chi^2/\text{NDF}$ : 12.9/23

In: 0.037+/-0.075  $\chi^2/\text{NDF}$ : 7.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.084+/-0.054  $\chi^2/\text{NDF}$ : 12.9/23

reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.043  $\chi^2$ /NDF: 10.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.139 $\pm$ 0.050  $\chi^2$ /NDF: 17.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

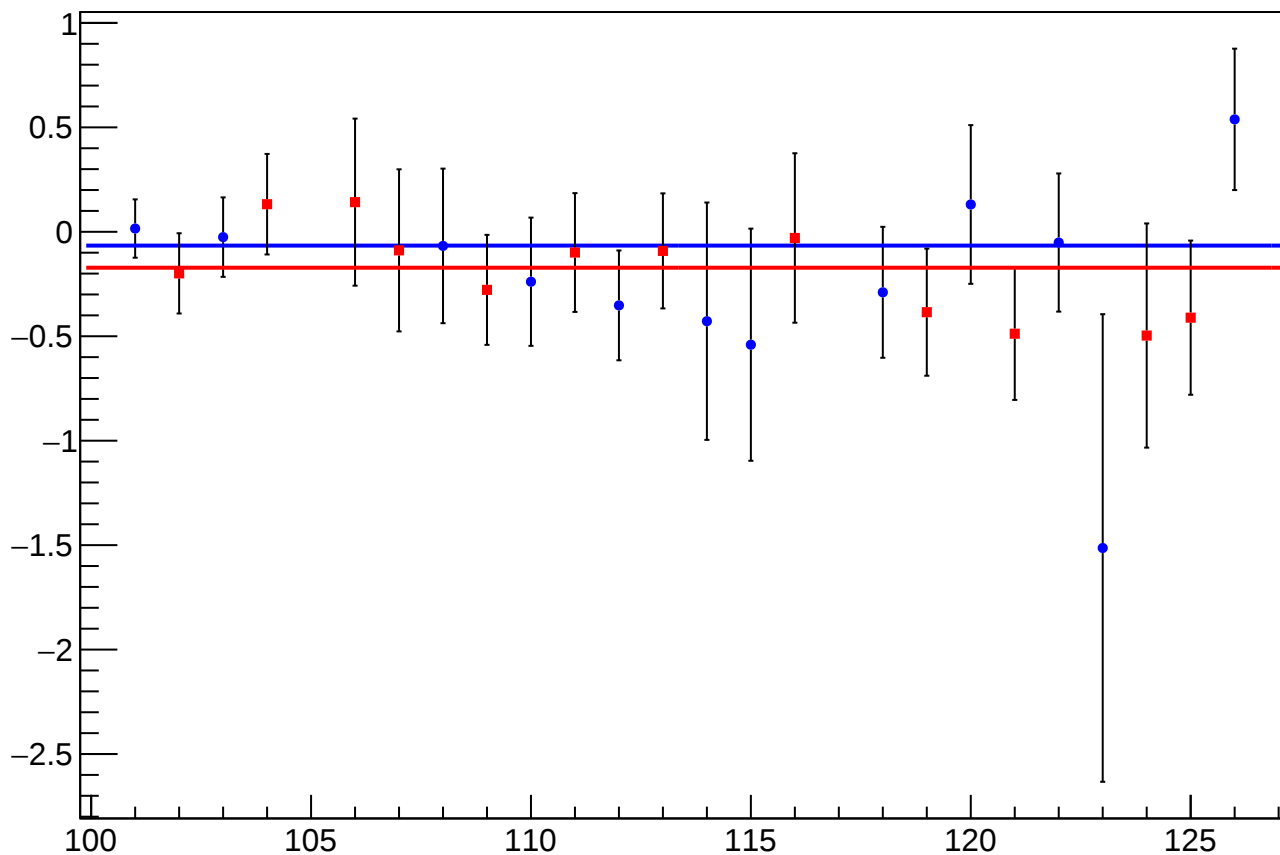
Right: -0.053 $\pm$ 0.033  $\chi^2$ /NDF: 33.1/23

In: 0.012 $\pm$ 0.043  $\chi^2$ /NDF:10.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.053 $\pm$ 0.033  $\chi^2$ /NDF: 33.1/23

reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-0.066 \pm 0.081$   $\chi^2/\text{NDF}$ : 8.7/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.172 \pm 0.086$   $\chi^2/\text{NDF}$ : 5.0/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

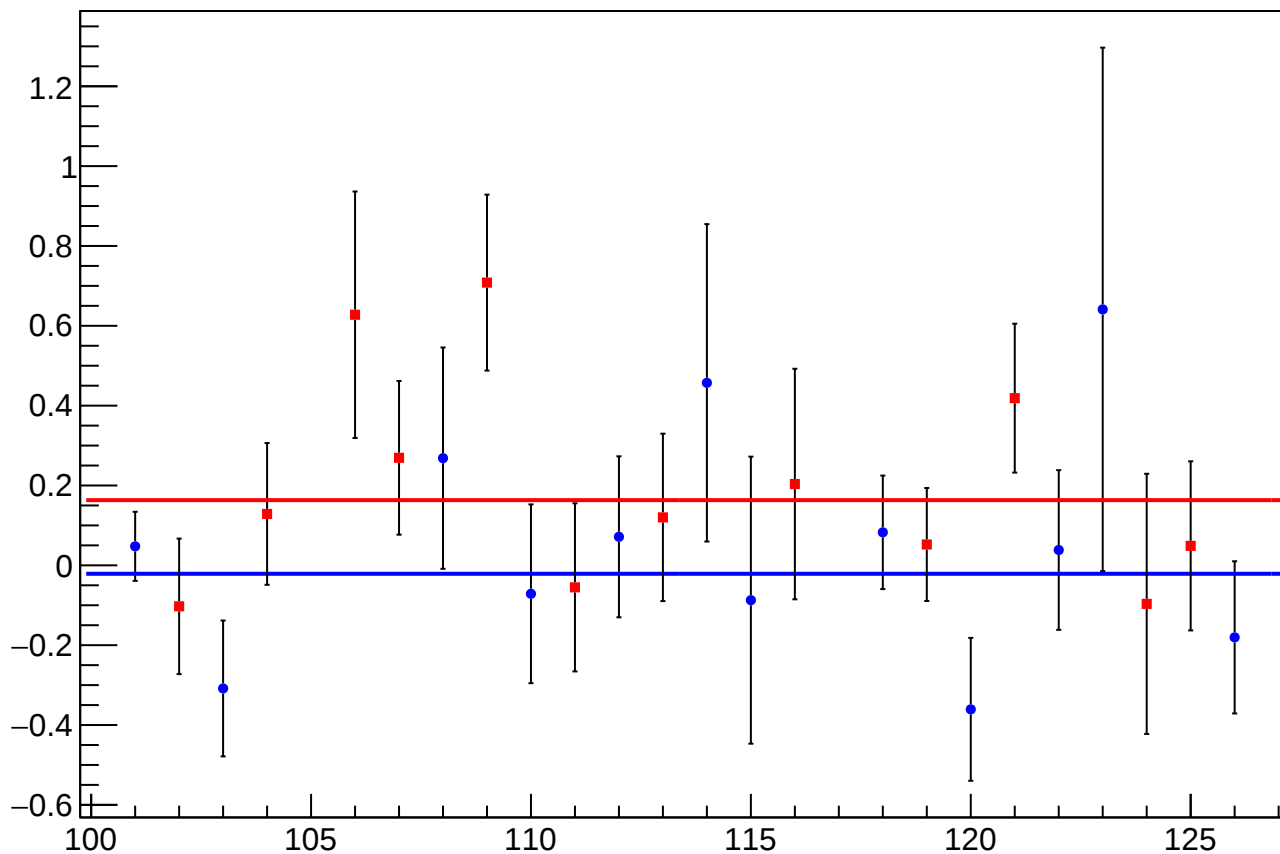
Right:  $-0.116 \pm 0.059$   $\chi^2/\text{NDF}$ : 14.5/23

In:  $-0.066 \pm 0.081$   $\chi^2/\text{NDF}$ : 8.7/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.116 \pm 0.059$   $\chi^2/\text{NDF}$ : 14.5/23

reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-0.021 \pm 0.052$   $\chi^2/\text{NDF}$ : 12.3/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.163 \pm 0.058$   $\chi^2/\text{NDF}$ : 15.7/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

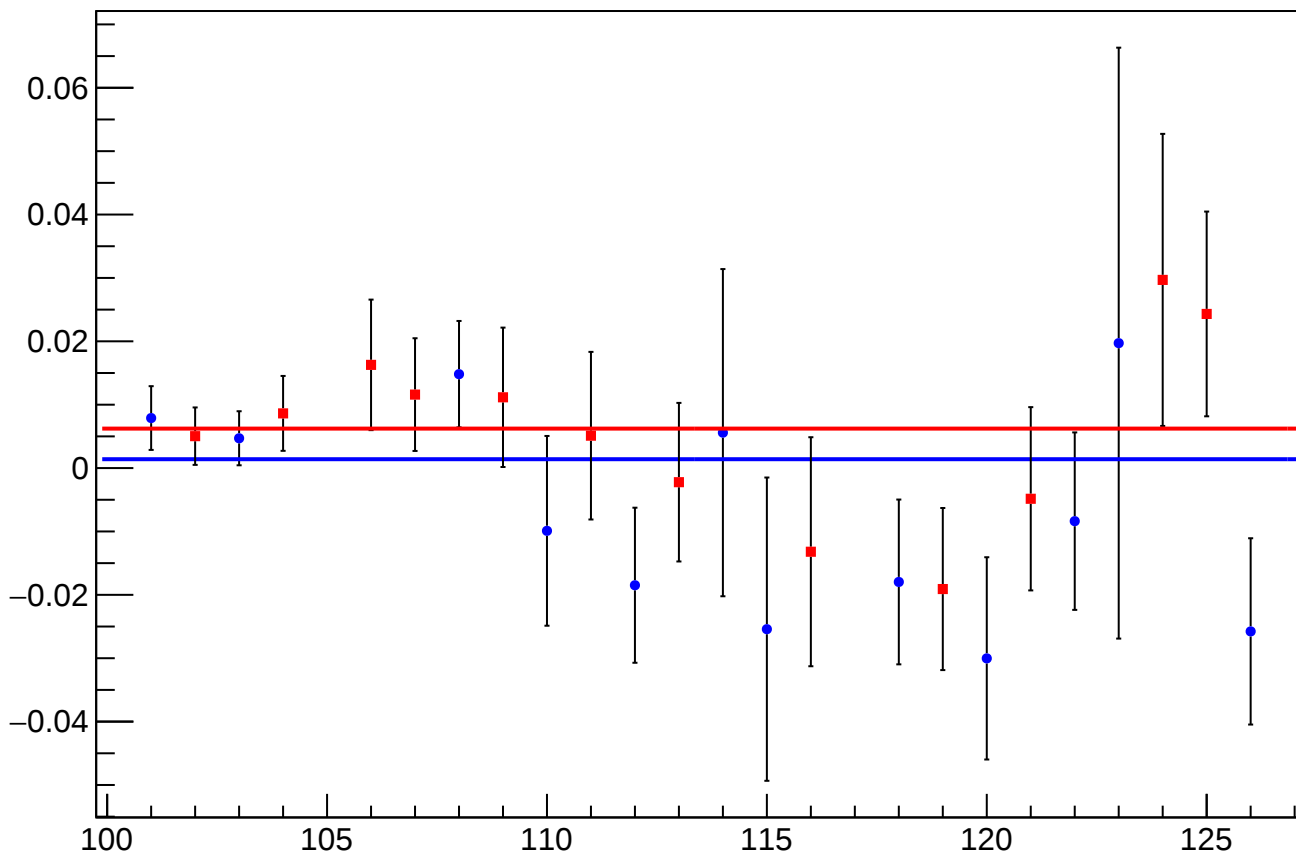
Right:  $0.060 \pm 0.039$   $\chi^2/\text{NDF}$ : 33.6/23

In:  $-0.021 \pm 0.052$   $\chi^2/\text{NDF}$ : 12.3/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.060 \pm 0.039$   $\chi^2/\text{NDF}$ : 33.6/23

reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.003  $\chi^2$ /NDF: 19.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.006 $\pm$ 0.003  $\chi^2$ /NDF: 10.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

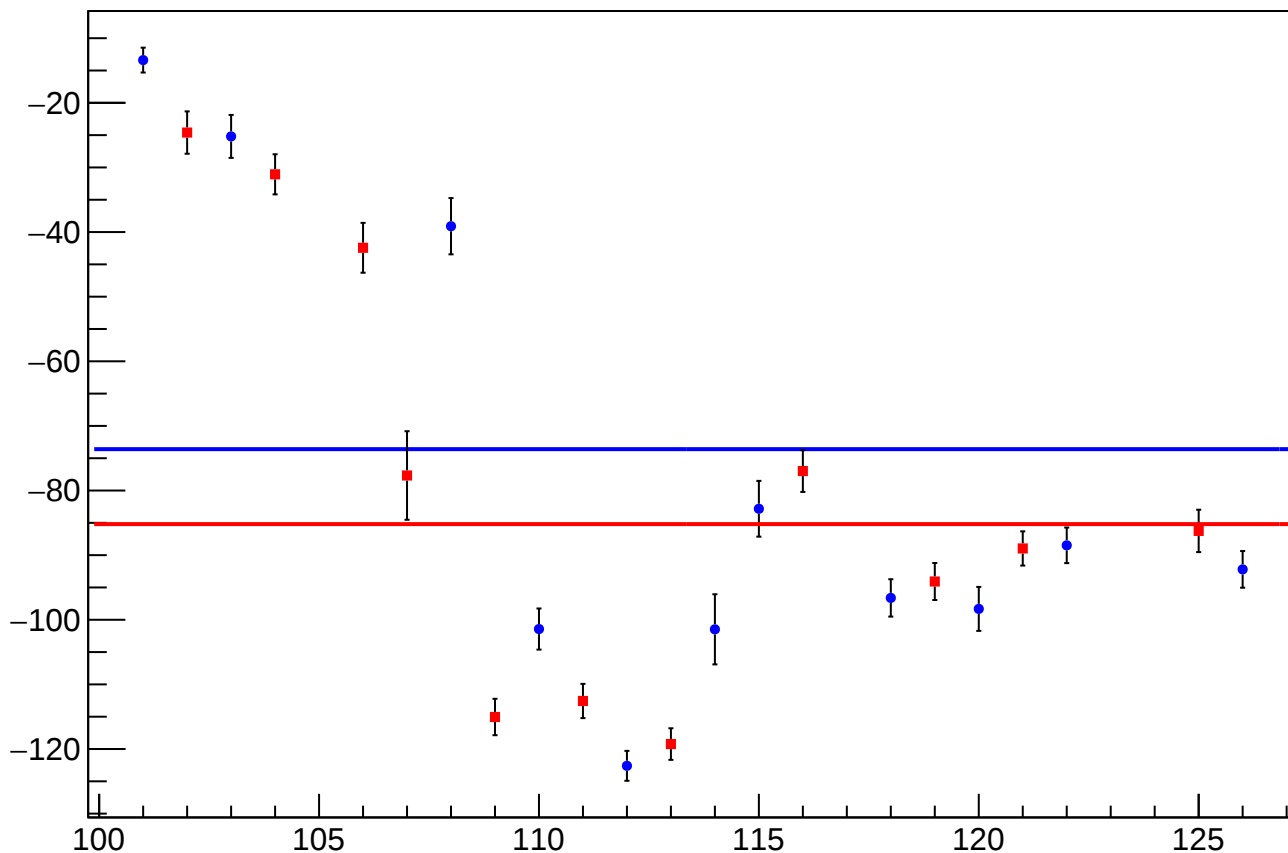
Right: 0.004 $\pm$ 0.002  $\chi^2$ /NDF: 31.3/23

In: 0.001 $\pm$ 0.003  $\chi^2$ /NDF:19.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.004 $\pm$ 0.002  $\chi^2$ /NDF: 31.3/23

reg\_asym\_us\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -73.596 $\pm$ 0.895  $\chi^2$ /NDF: 1999.2/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -85.196 $\pm$ 0.923  $\chi^2$ /NDF: 1201.1/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

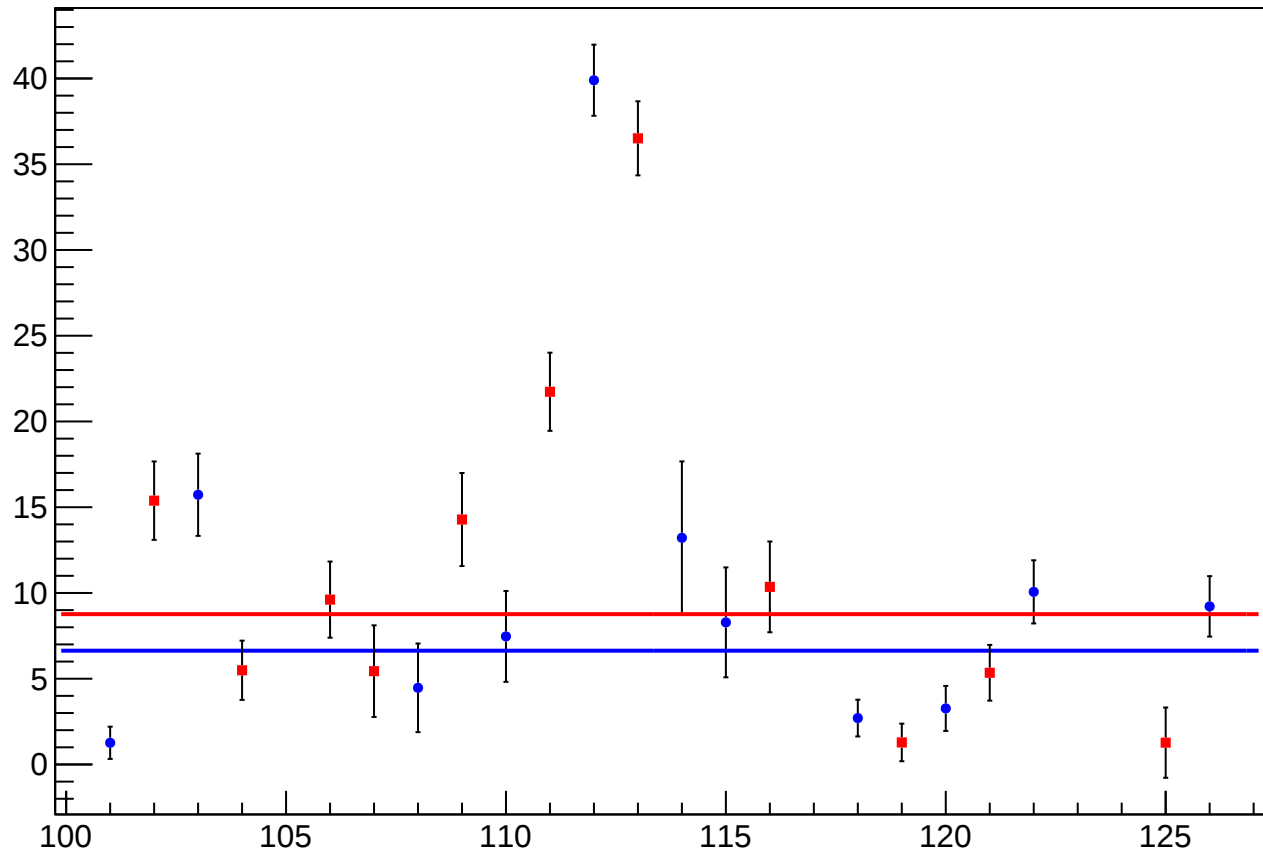
Right: -79.218 $\pm$ 0.642  $\chi^2$ /NDF: 3281.7/21

In: -73.596 $\pm$ 0.895  $\chi^2$ /NDF:1999.2/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -79.218 $\pm$ 0.642  $\chi^2$ /NDF: 3281.7/21

reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.634+/-0.497  $\chi^2/\text{NDF}$ : 333.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.765+/-0.577  $\chi^2/\text{NDF}$ : 280.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

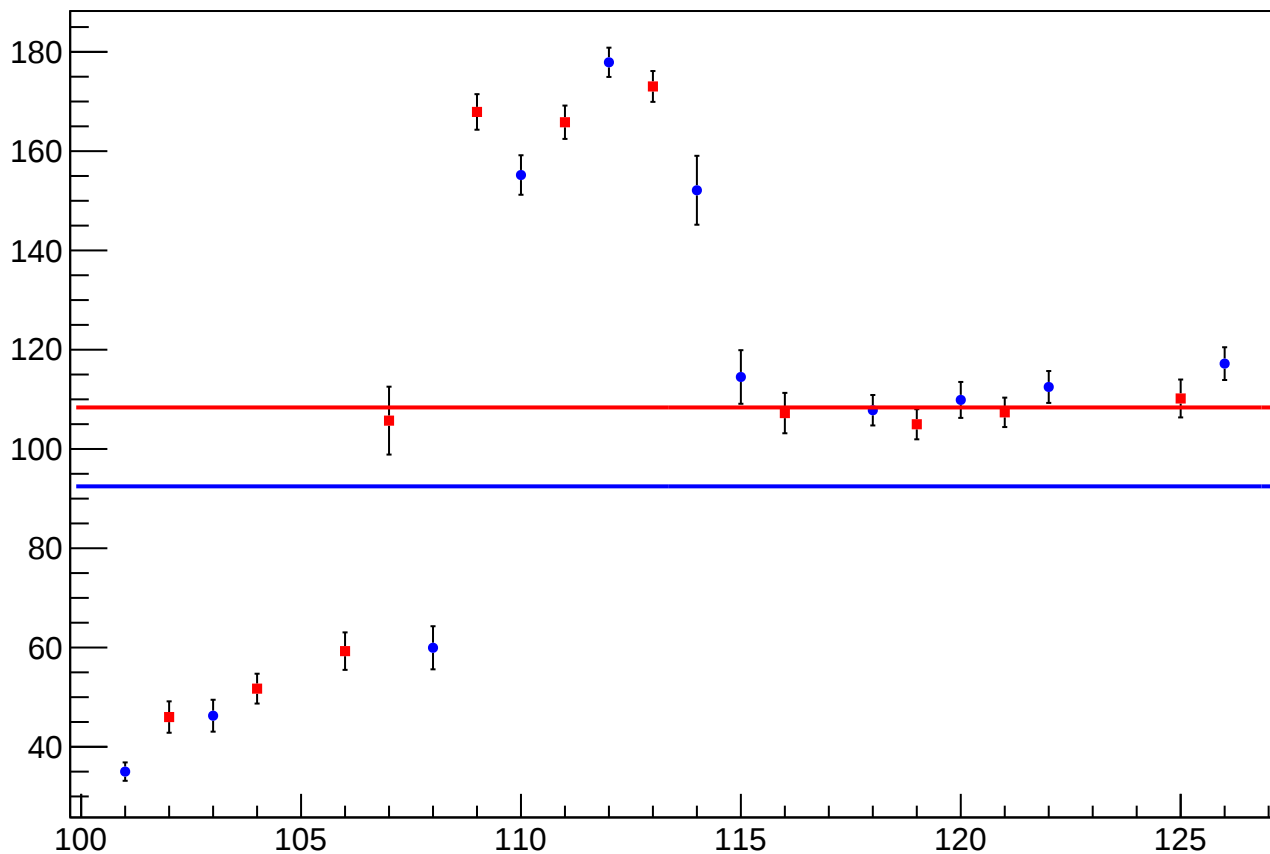
Right: 7.542+/-0.377  $\chi^2/\text{NDF}$ : 621.1/21

In: 6.634+/-0.497  $\chi^2/\text{NDF}$ : 333.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.542+/-0.377  $\chi^2/\text{NDF}$ : 621.1/21

reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 92.471+/-0.978  $\chi^2/\text{NDF}$ : 2546.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 108.369+/-1.040  $\chi^2/\text{NDF}$ : 1917.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

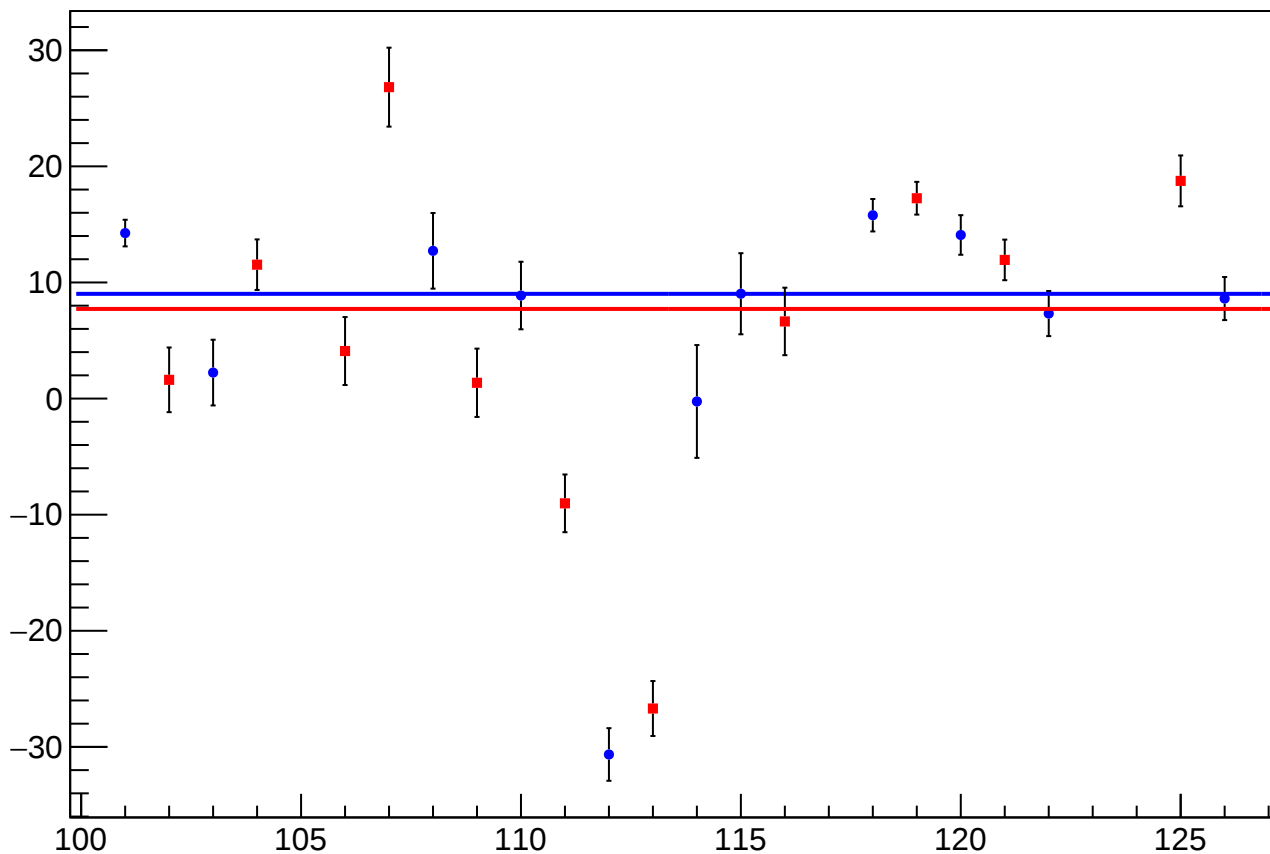
Right: 99.929+/-0.713  $\chi^2/\text{NDF}$ : 4587.2/21

In: 92.471+/-0.978  $\chi^2/\text{NDF}$ : 2546.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 99.929+/-0.713  $\chi^2/\text{NDF}$ : 4587.2/21

reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 9.019+/-0.594  $\chi^2/\text{NDF}$ : 371.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.720+/-0.681  $\chi^2/\text{NDF}$ : 379.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

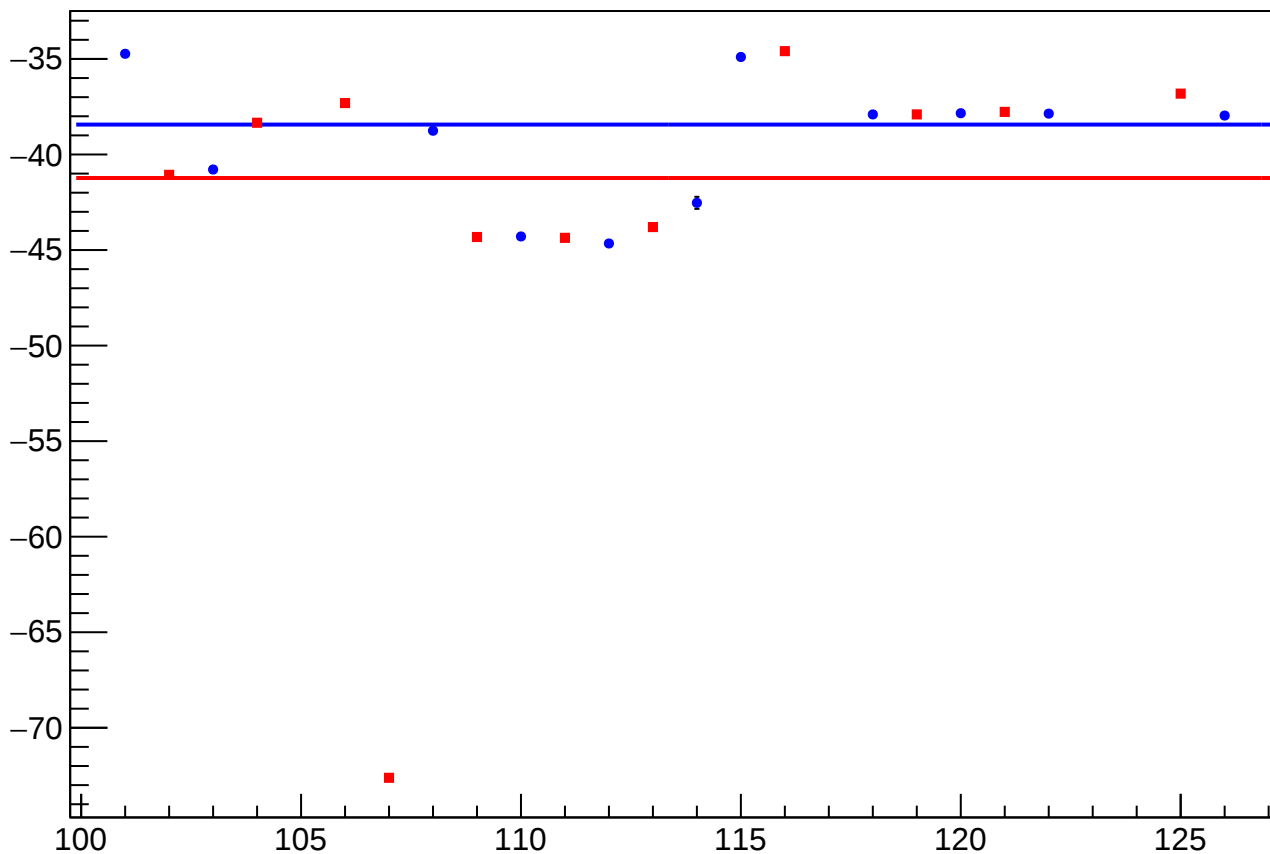
Right: 8.457+/-0.448  $\chi^2/\text{NDF}$ : 752.7/21

In: 9.019+/-0.594  $\chi^2/\text{NDF}$ : 371.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.457+/-0.448  $\chi^2/\text{NDF}$ : 752.7/21

reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.435 $\pm$ 0.035  $\chi^2$ /NDF: 7590.5/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -41.231 $\pm$ 0.035  $\chi^2$ /NDF: 47388.5/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

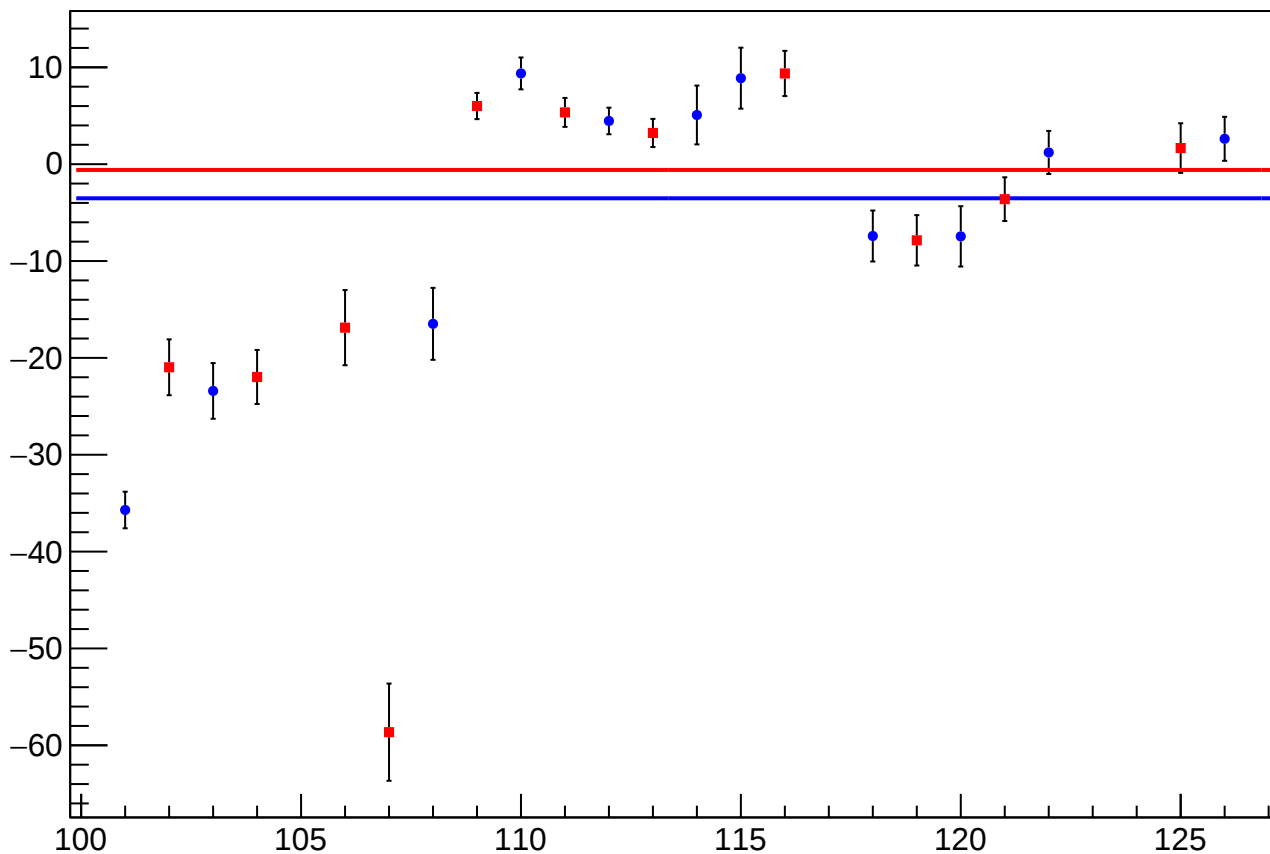
Right: -39.815 $\pm$ 0.025  $\chi^2$ /NDF: 58202.8/21

In: -38.435 $\pm$ 0.035  $\chi^2$ /NDF: 7590.5/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -39.815 $\pm$ 0.025  $\chi^2$ /NDF: 58202.8/21

reg\_asym\_us\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -3.523+/-0.670  $\chi^2/\text{NDF}$ : 484.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.595+/-0.632  $\chi^2/\text{NDF}$ : 334.9/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

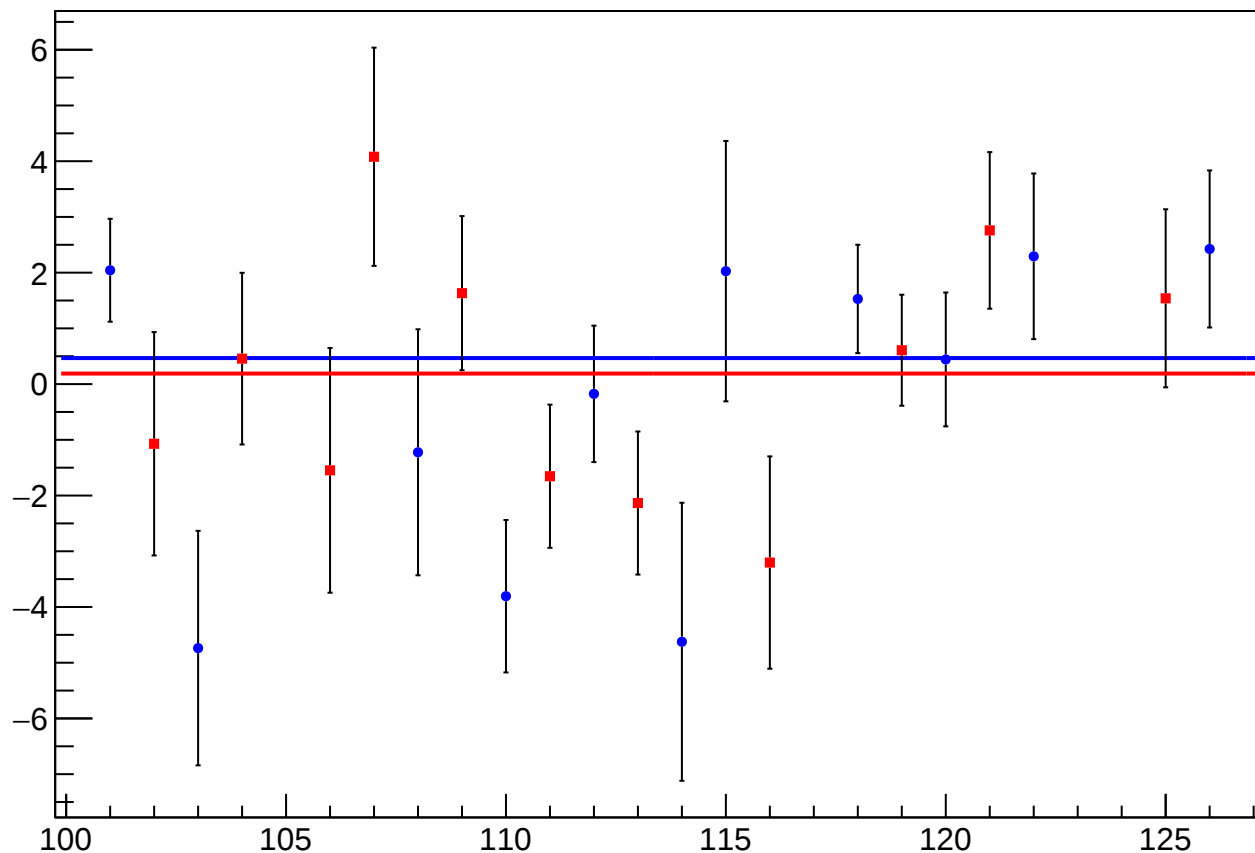
Right: -1.974+/-0.460  $\chi^2/\text{NDF}$ : 829.9/21

In: -3.523+/-0.670  $\chi^2/\text{NDF}$ : 484.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.974+/-0.460  $\chi^2/\text{NDF}$ : 829.9/21

reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.467+/-0.413  $\chi^2/\text{NDF}$ : 28.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.189+/-0.445  $\chi^2/\text{NDF}$ : 18.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

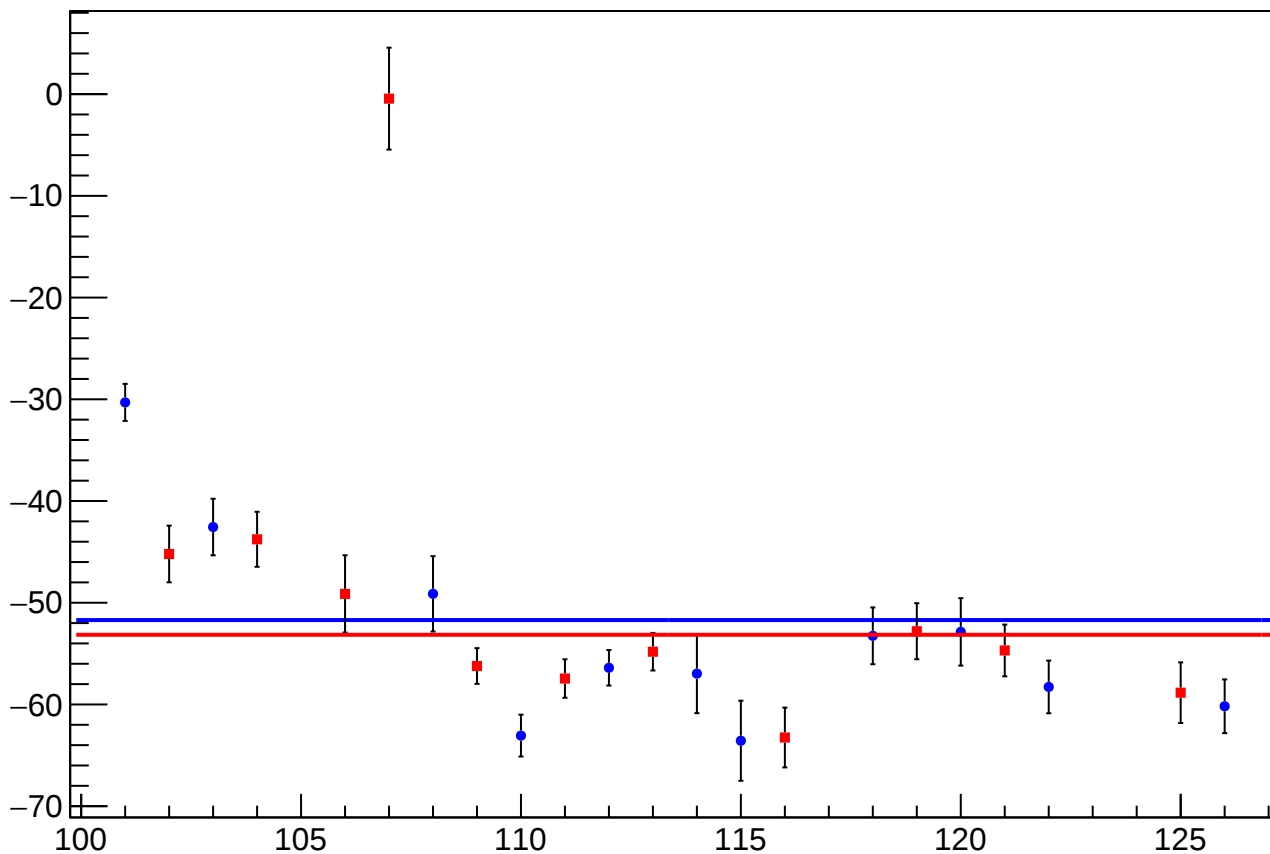
Right: 0.338+/-0.303  $\chi^2/\text{NDF}$ : 47.9/21

In: 0.467+/-0.413  $\chi^2/\text{NDF}$ : 28.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.338+/-0.303  $\chi^2/\text{NDF}$ : 47.9/21

reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -51.703+/-0.764  $\chi^2/\text{NDF}$ : 215.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -53.150+/-0.748  $\chi^2/\text{NDF}$ : 156.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

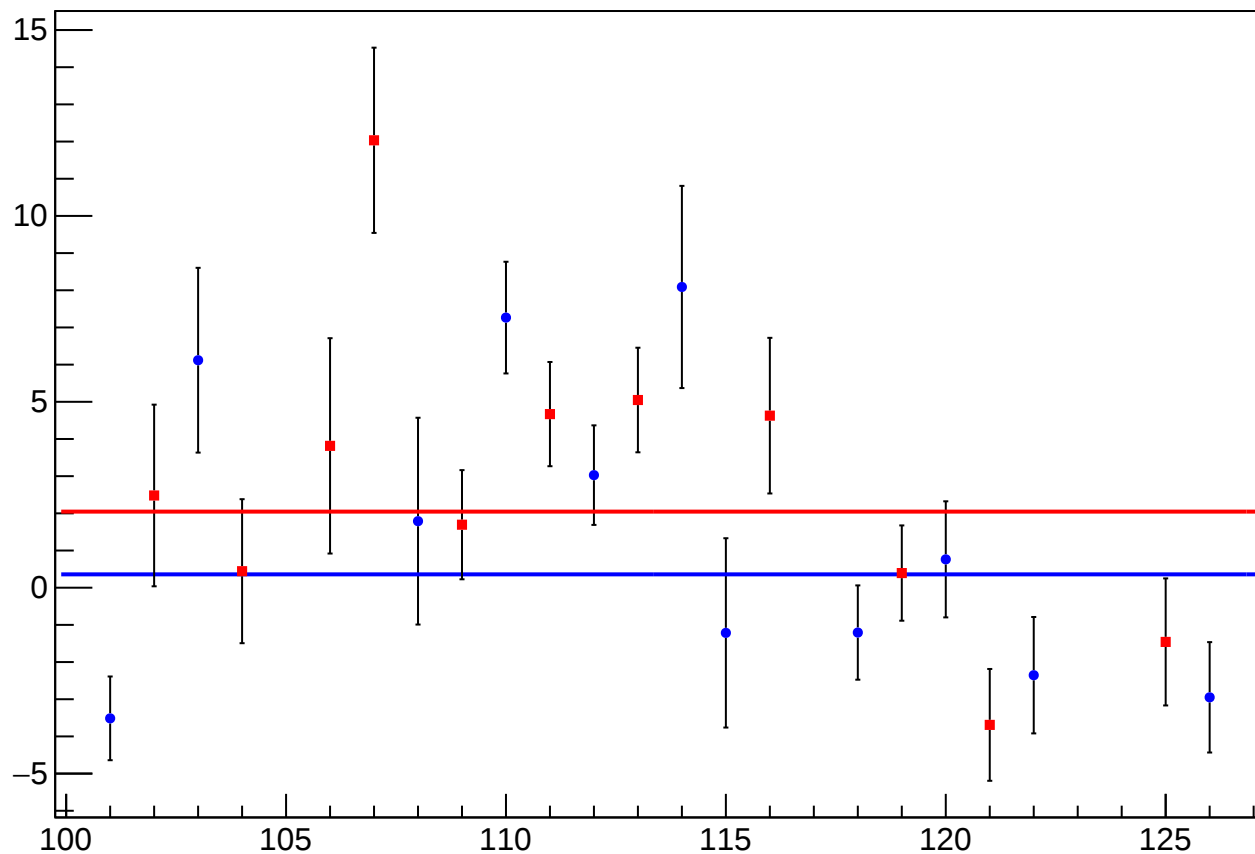
Right: -52.442+/-0.535  $\chi^2/\text{NDF}$ : 374.1/21

In: -51.703+/-0.764  $\chi^2/\text{NDF}$ : 215.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -52.442+/-0.535  $\chi^2/\text{NDF}$ : 374.1/21

reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.359+/-0.484  $\chi^2/\text{NDF}$ : 60.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.047+/-0.512  $\chi^2/\text{NDF}$ : 47.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

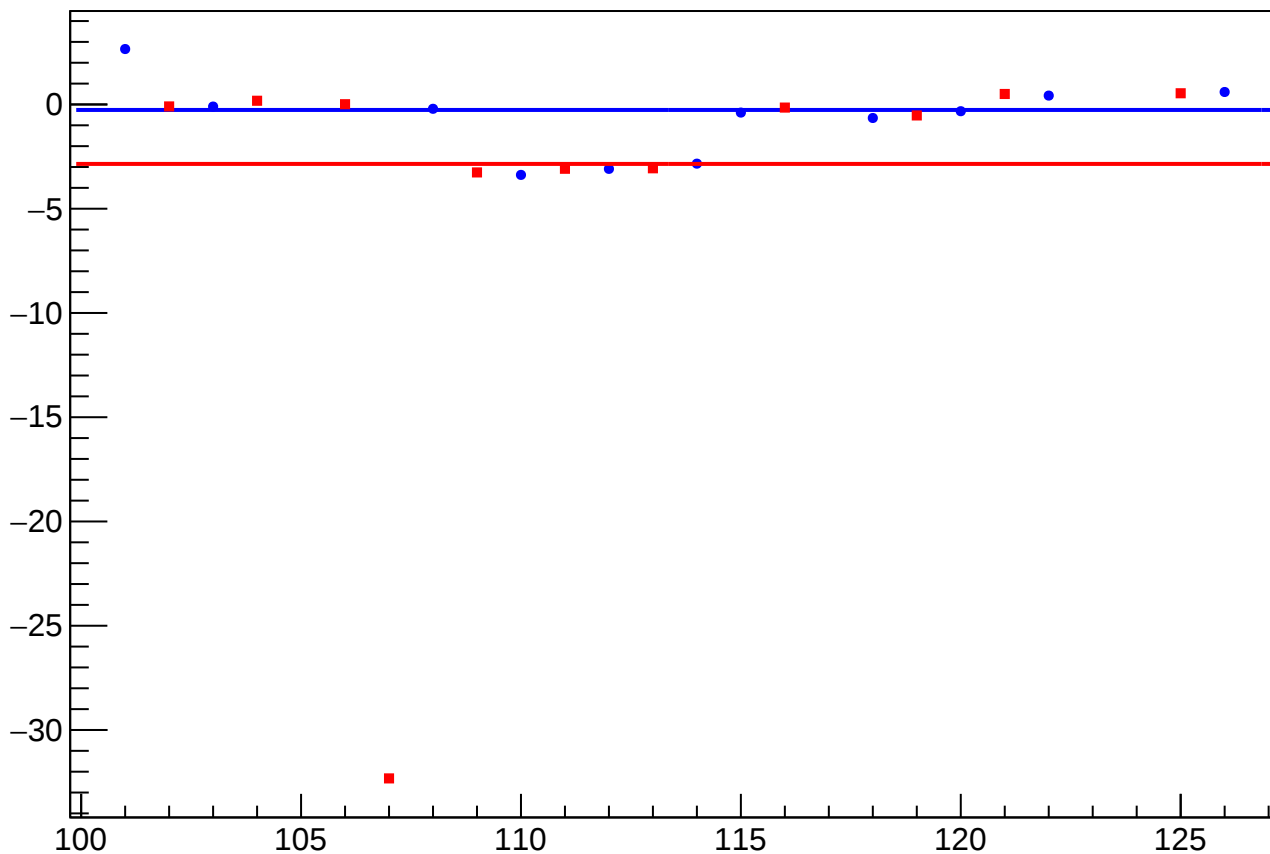
Right: 1.156+/-0.352  $\chi^2/\text{NDF}$ : 113.6/21

In: 0.359+/-0.484  $\chi^2/\text{NDF}$ : 60.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.156+/-0.352  $\chi^2/\text{NDF}$ : 113.6/21

reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.264+/-0.028  $\chi^2/\text{NDF}$ : 4494.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -2.852+/-0.028  $\chi^2/\text{NDF}$ : 72536.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

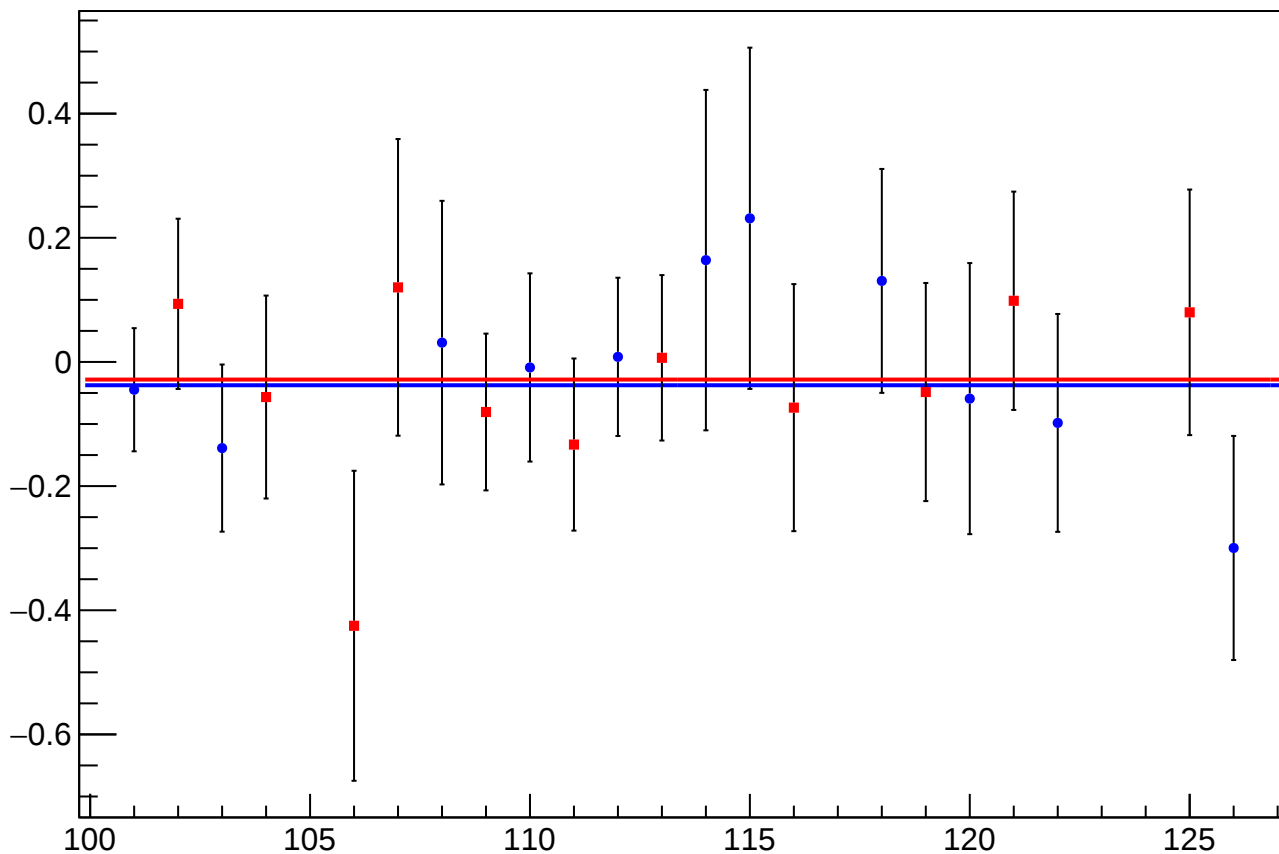
Right: -1.599+/-0.020  $\chi^2/\text{NDF}$ : 81294.9/21

In: -0.264+/-0.028  $\chi^2/\text{NDF}$ :4494.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -1.599+/-0.020  $\chi^2/\text{NDF}$ : 81294.9/21

reg\_asym\_ds\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.049  $\chi^2/\text{NDF}$ : 5.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.028+/-0.049  $\chi^2/\text{NDF}$ : 5.4/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

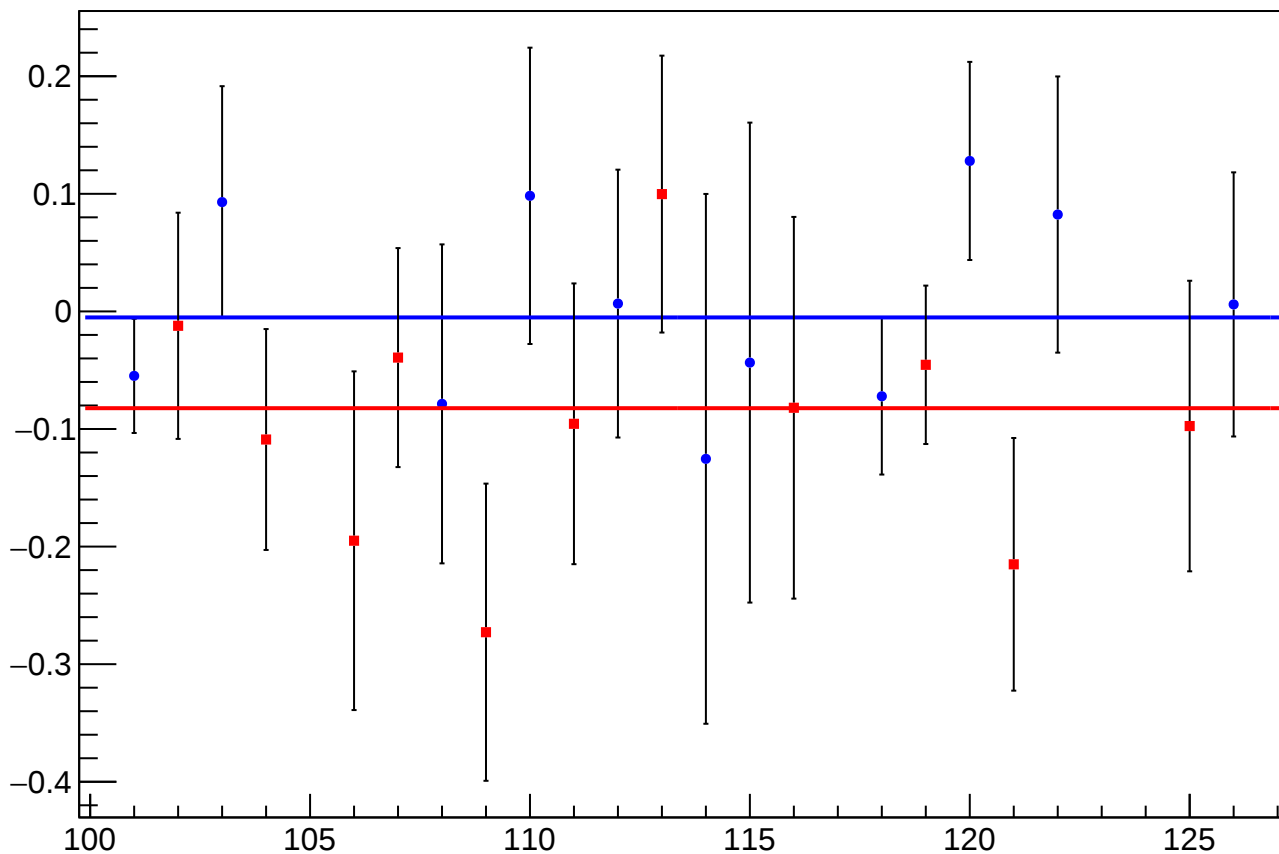
Right: -0.033+/-0.035  $\chi^2/\text{NDF}$ : 10.9/21

In: -0.038+/-0.049  $\chi^2/\text{NDF}$ :5.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.033+/-0.035  $\chi^2/\text{NDF}$ : 10.9/21

reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.005+/-0.028  $\chi^2/\text{NDF}$ : 7.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.082+/-0.032  $\chi^2/\text{NDF}$ : 8.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

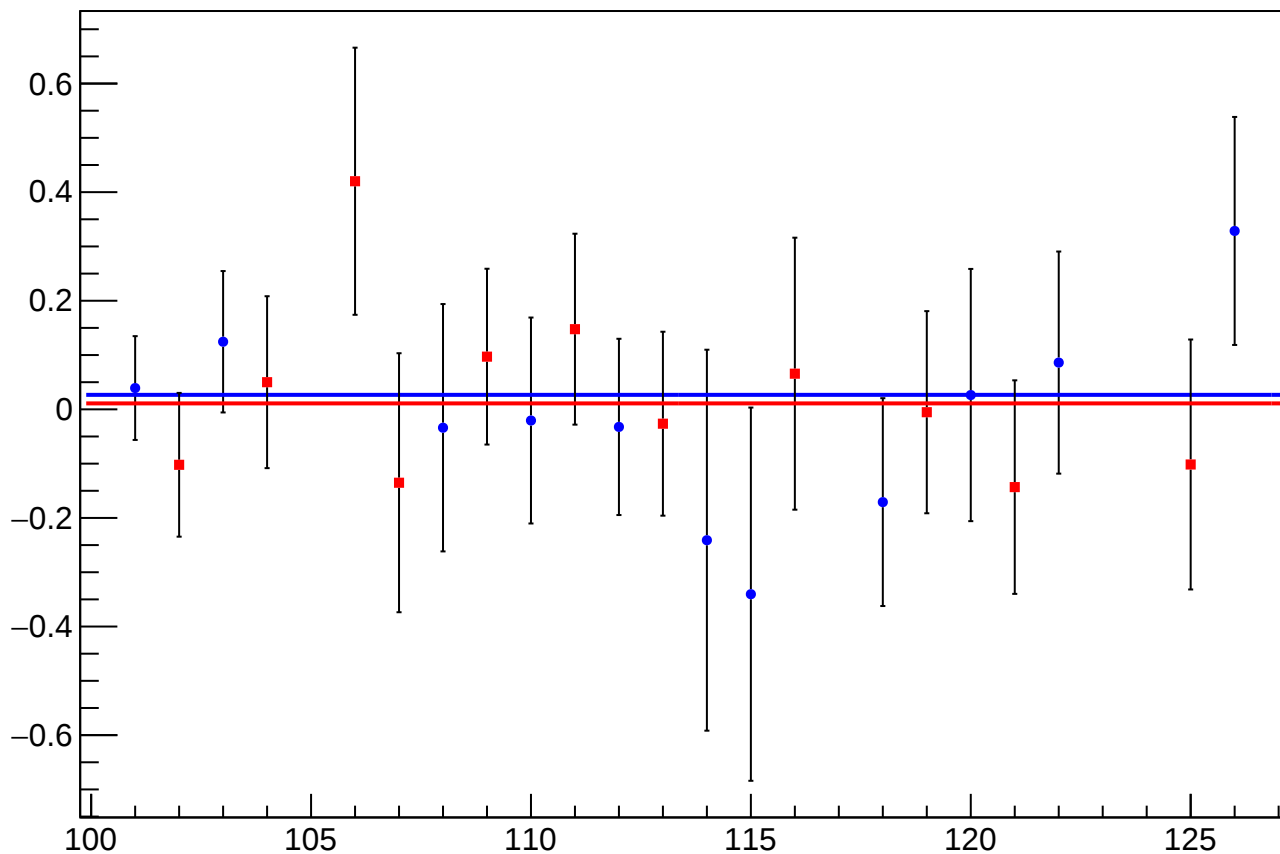
Right: -0.039+/-0.021  $\chi^2/\text{NDF}$ : 18.7/21

In: -0.005+/-0.028  $\chi^2/\text{NDF}$ :7.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.039+/-0.021  $\chi^2/\text{NDF}$ : 18.7/21

reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.027 $\pm$ 0.053  $\chi^2$ /NDF: 5.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.011 $\pm$ 0.055  $\chi^2$ /NDF: 5.8/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

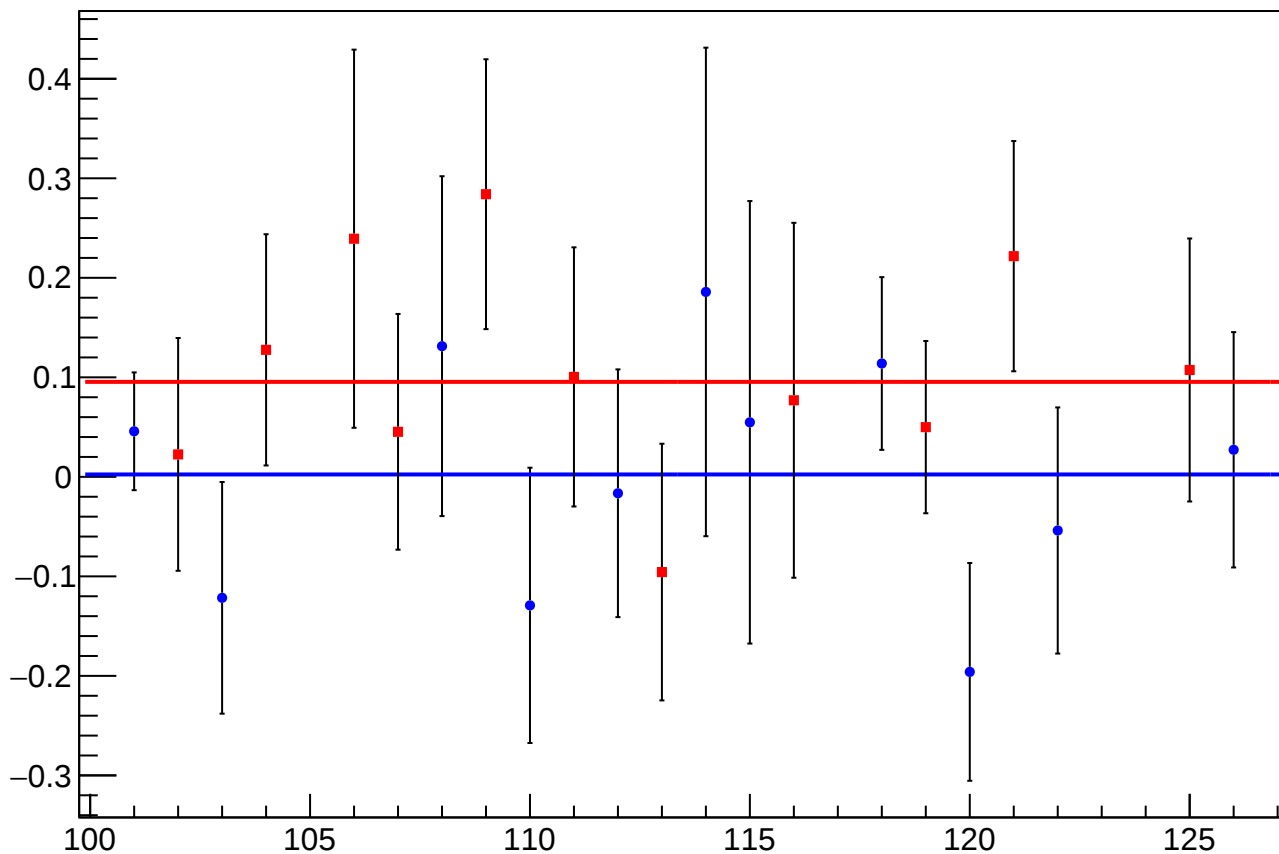
Right: 0.019 $\pm$ 0.038  $\chi^2$ /NDF: 11.6/21

In: 0.027 $\pm$ 0.053  $\chi^2$ /NDF:5.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.019 $\pm$ 0.038  $\chi^2$ /NDF: 11.6/21

reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.033  $\chi^2$ /NDF: 9.0/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.095 $\pm$ 0.037  $\chi^2$ /NDF: 6.8/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

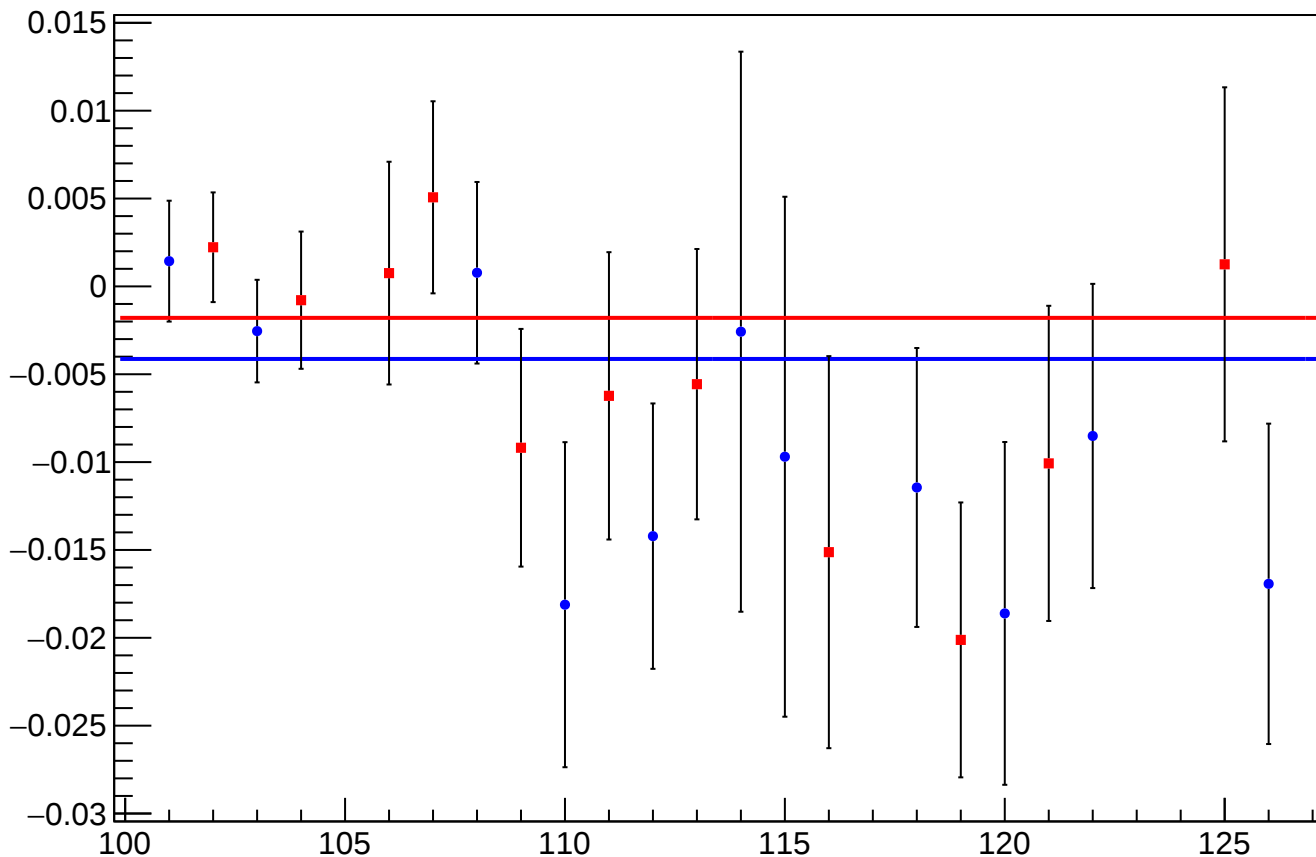
Right: 0.044 $\pm$ 0.025  $\chi^2$ /NDF: 19.3/21

In: 0.002 $\pm$ 0.033  $\chi^2$ /NDF:9.0/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.044 $\pm$ 0.025  $\chi^2$ /NDF: 19.3/21

reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.004 $\pm$ 0.002  $\chi^2$ /NDF: 13.3/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.002 $\pm$ 0.002  $\chi^2$ /NDF: 13.1/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

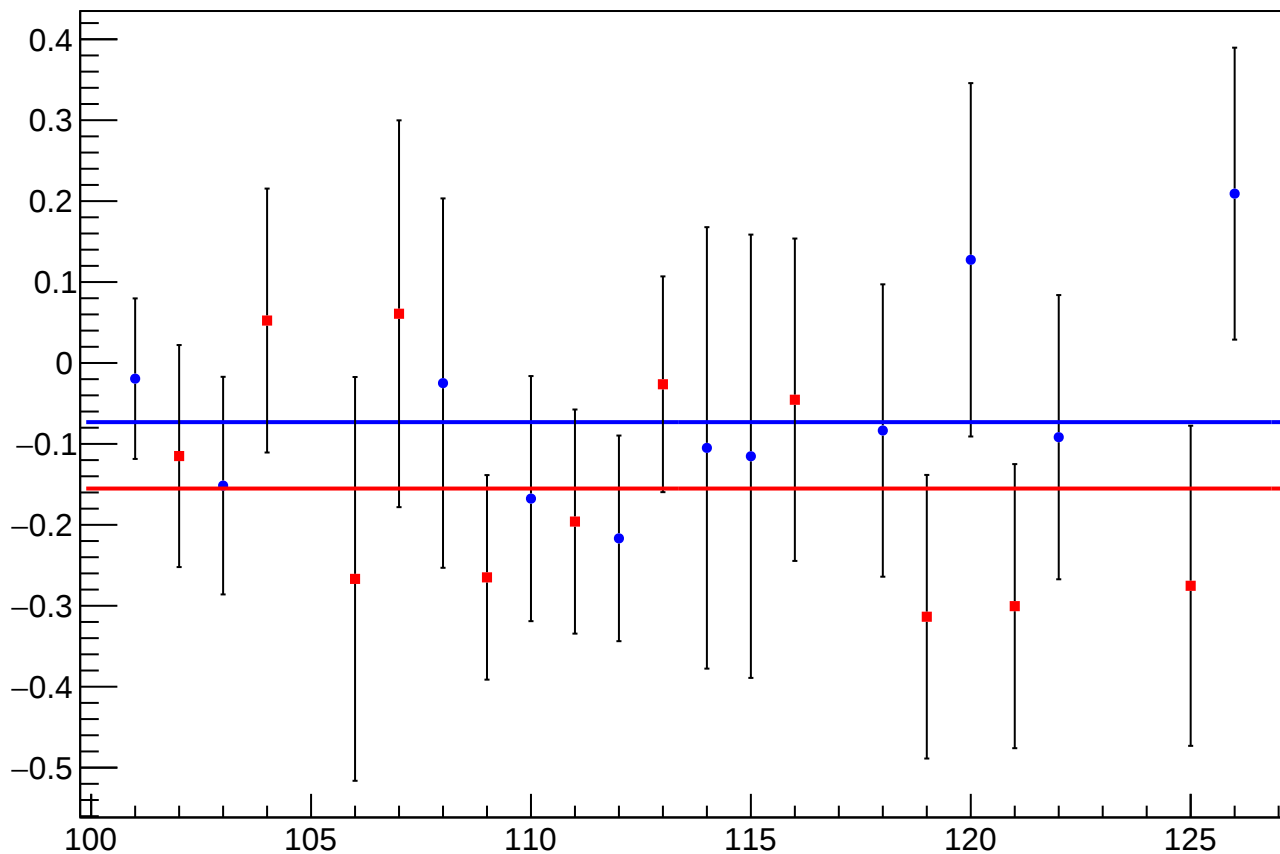
Right: -0.003 $\pm$ 0.001  $\chi^2$ /NDF: 27.3/21

In: -0.004 $\pm$ 0.002  $\chi^2$ /NDF:13.3/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.003 $\pm$ 0.001  $\chi^2$ /NDF: 27.3/21

reg\_asym\_ds\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.073 \pm 0.049$   $\chi^2/\text{NDF}$ : 5.7/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.155 \pm 0.049$   $\chi^2/\text{NDF}$ : 6.7/10

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

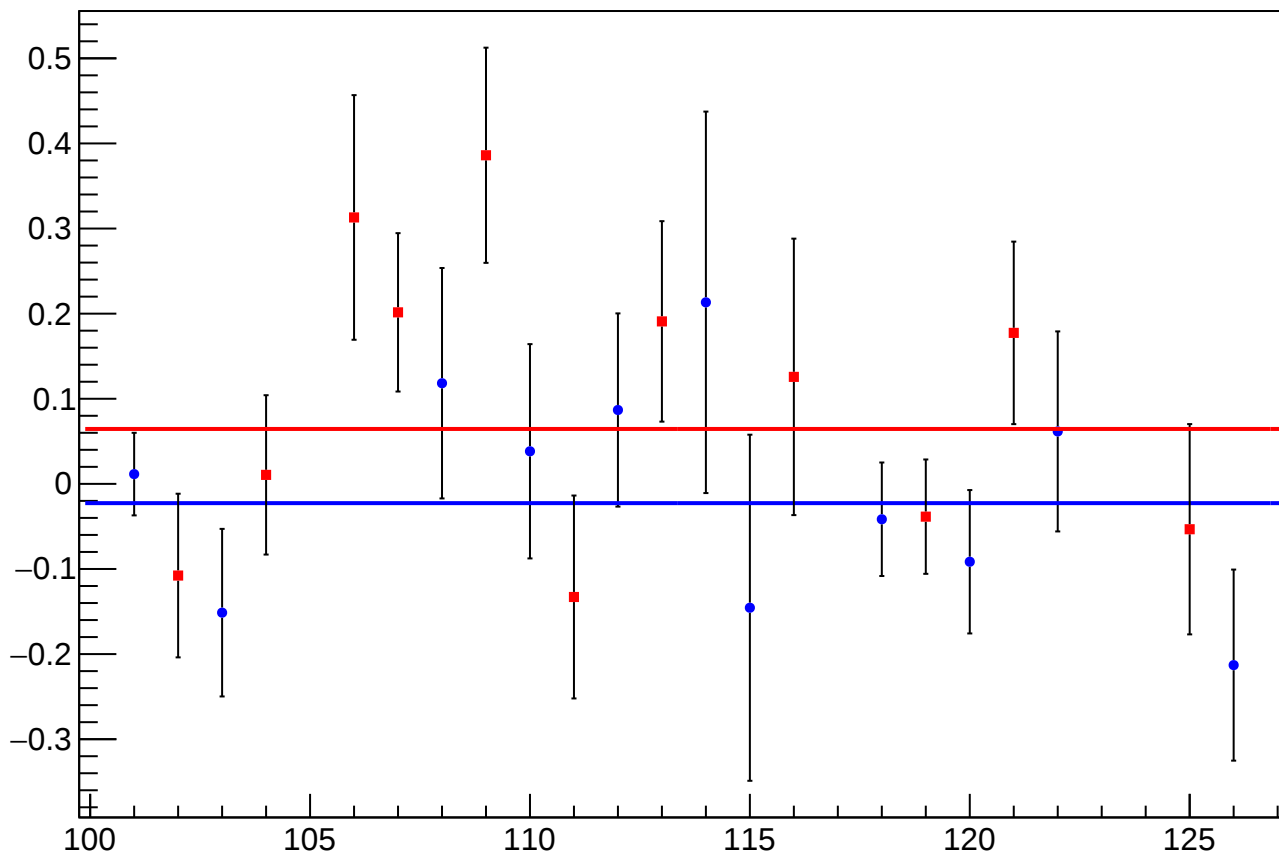
Right:  $-0.114 \pm 0.035$   $\chi^2/\text{NDF}$ : 13.8/21

In:  $-0.073 \pm 0.049$   $\chi^2/\text{NDF}$ : 5.7/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.114 \pm 0.035$   $\chi^2/\text{NDF}$ : 13.8/21

reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.023 \pm 0.028$   $\chi^2/\text{NDF}$ : 10.1/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.065 \pm 0.032$   $\chi^2/\text{NDF}$ : 23.6/10

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

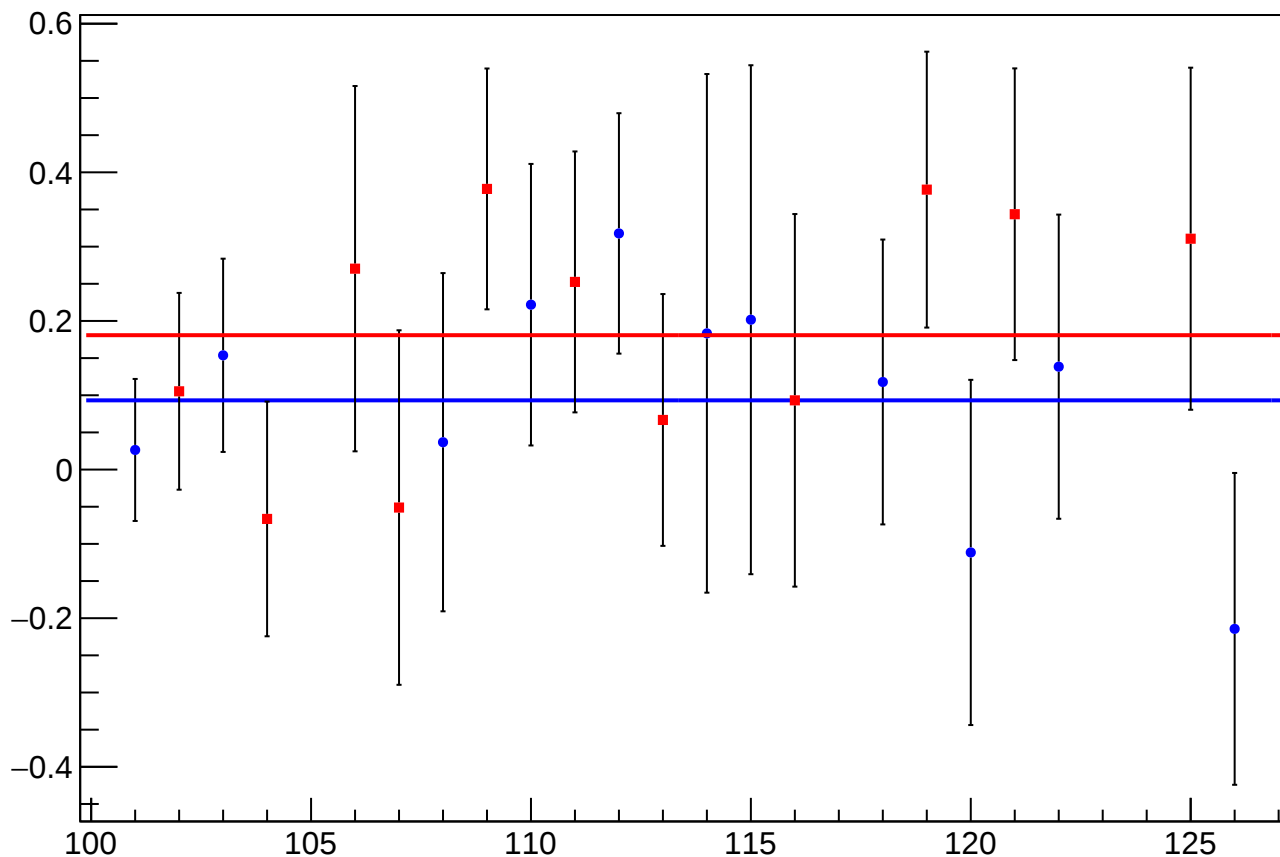
Right:  $0.016 \pm 0.021$   $\chi^2/\text{NDF}$ : 37.9/21

In:  $-0.023 \pm 0.028$   $\chi^2/\text{NDF}$ : 10.1/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.016 \pm 0.021$   $\chi^2/\text{NDF}$ : 37.9/21

reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.093 $\pm$ 0.052  $\chi^2$ /NDF: 6.3/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.181 $\pm$ 0.055  $\chi^2$ /NDF: 8.2/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

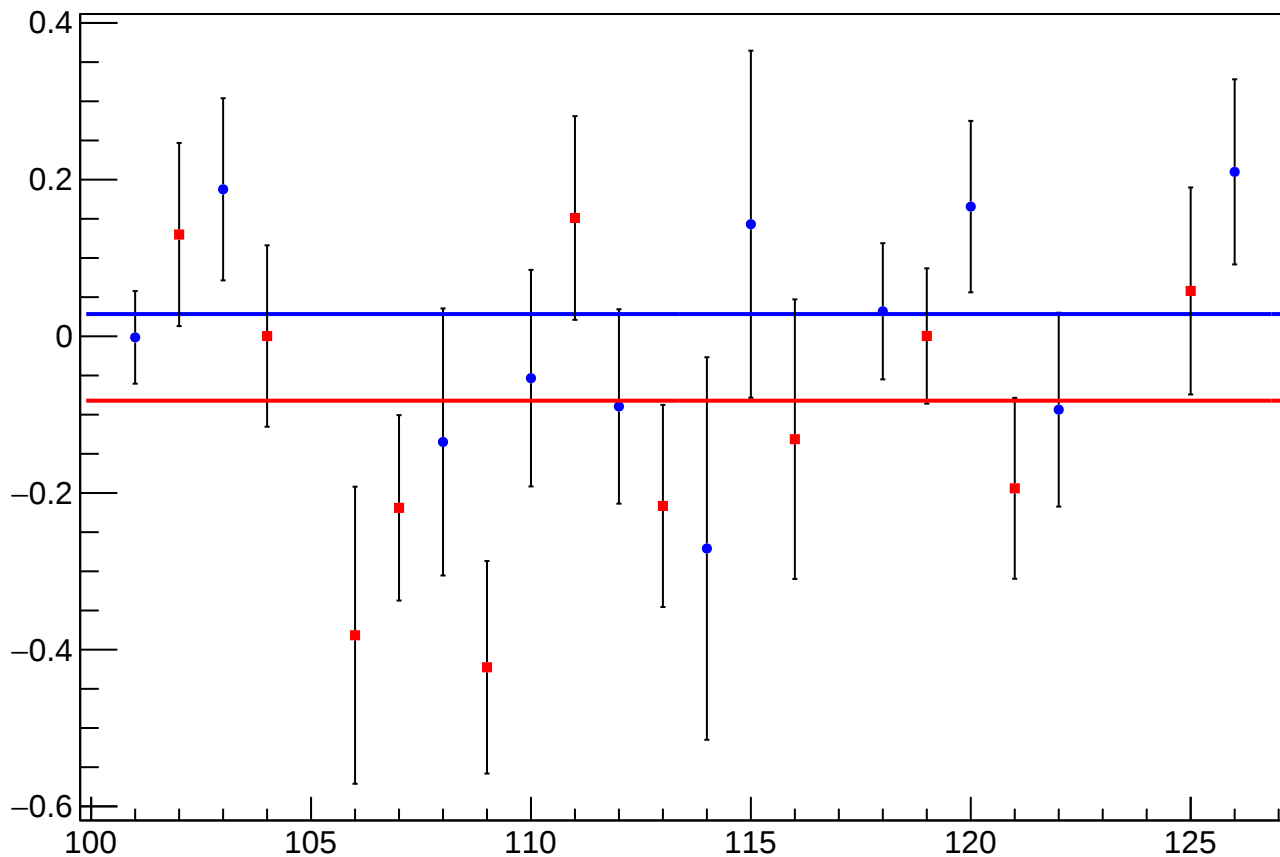
Right: 0.135 $\pm$ 0.038  $\chi^2$ /NDF: 15.8/21

In: 0.093 $\pm$ 0.052  $\chi^2$ /NDF:6.3/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.135 $\pm$ 0.038  $\chi^2$ /NDF: 15.8/21

reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $0.028 \pm 0.033$   $\chi^2/\text{NDF}: 11.0/10$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.082 \pm 0.037$   $\chi^2/\text{NDF}: 21.3/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

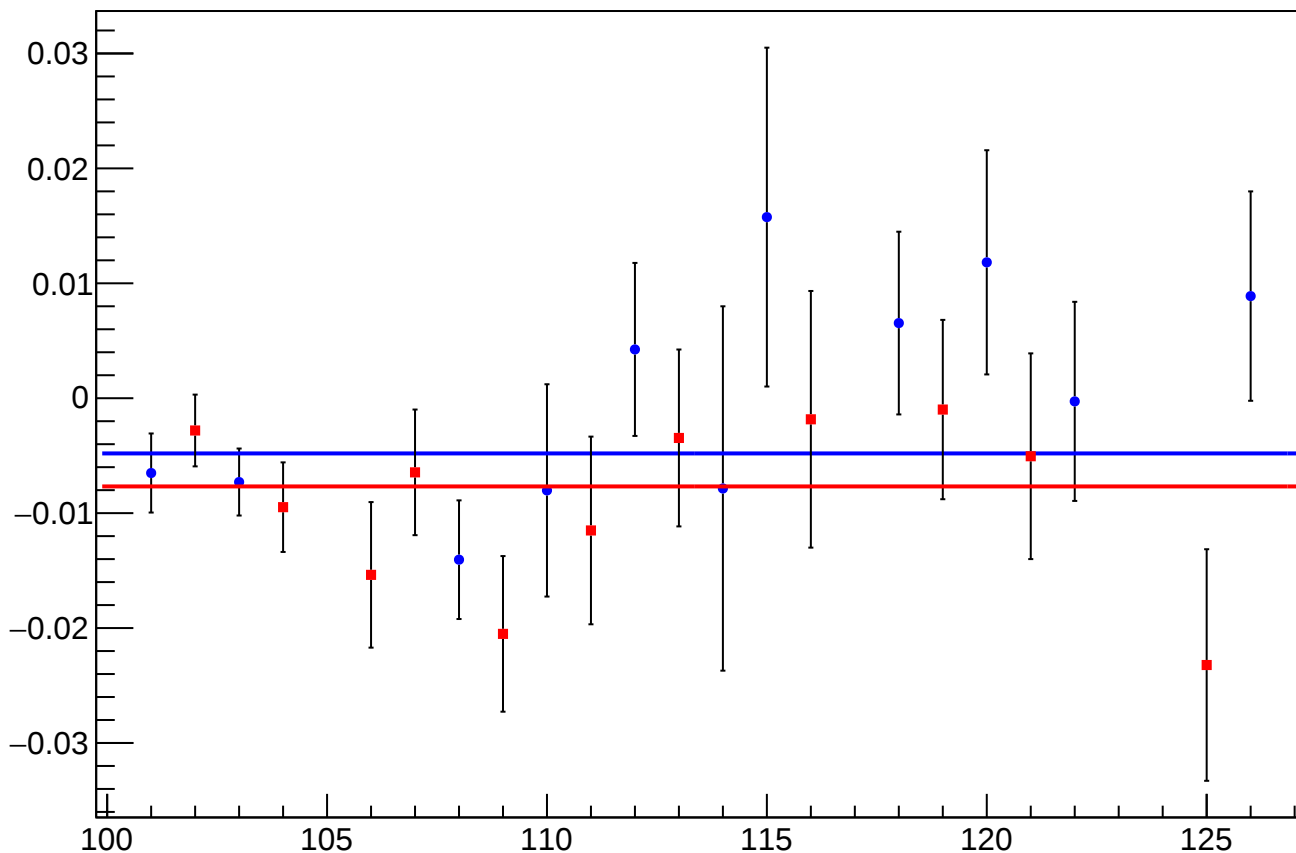
Right:  $-0.021 \pm 0.025$   $\chi^2/\text{NDF}: 37.1/21$

In:  $0.028 \pm 0.033$   $\chi^2/\text{NDF}: 11.0/10$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.021 \pm 0.025$   $\chi^2/\text{NDF}: 37.1/21$

reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.002  $\chi^2$ /NDF: 15.2/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.008 $\pm$ 0.002  $\chi^2$ /NDF: 11.8/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

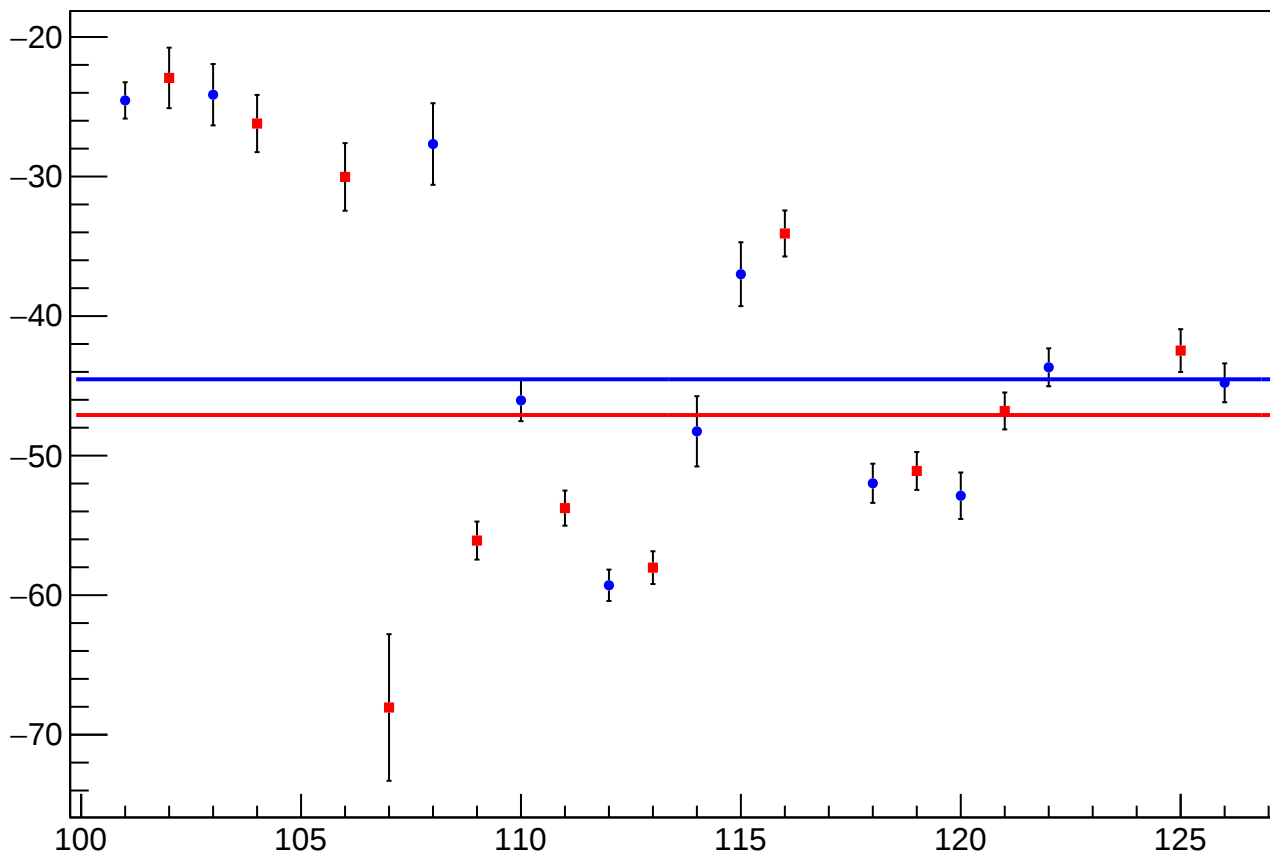
Right: -0.006 $\pm$ 0.001  $\chi^2$ /NDF: 28.3/21

In: -0.005 $\pm$ 0.002  $\chi^2$ /NDF:15.2/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.006 $\pm$ 0.001  $\chi^2$ /NDF: 28.3/21

reg\_asym\_left\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -44.530 $\pm$ 0.475  $\chi^2$ /NDF: 595.3/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -47.092 $\pm$ 0.473  $\chi^2$ /NDF: 532.3/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

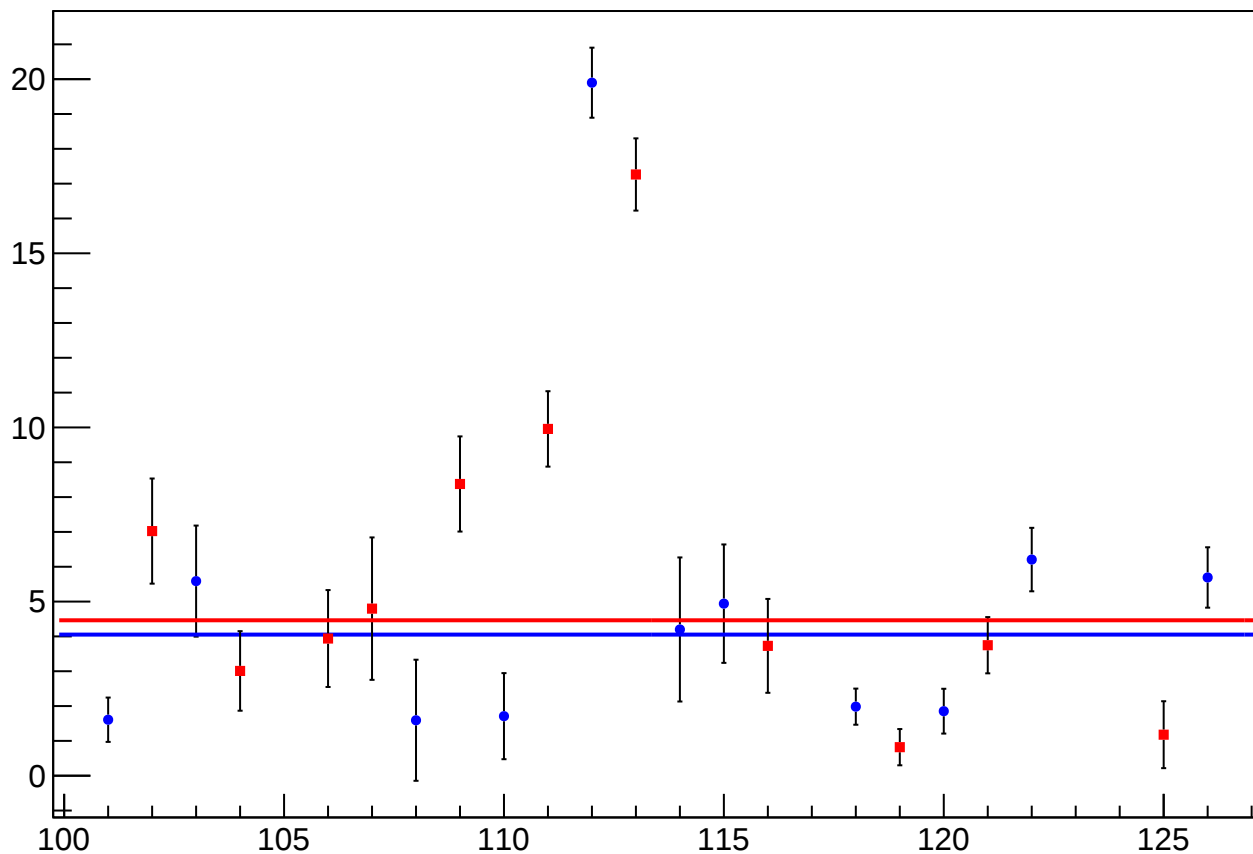
Right: -45.815 $\pm$ 0.335  $\chi^2$ /NDF: 1142.2/21

In: -44.530 $\pm$ 0.475  $\chi^2$ /NDF:595.3/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -45.815 $\pm$ 0.335  $\chi^2$ /NDF: 1142.2/21

reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.052+/-0.266  $\chi^2/\text{NDF}$ : 306.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.463+/-0.300  $\chi^2/\text{NDF}$ : 252.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

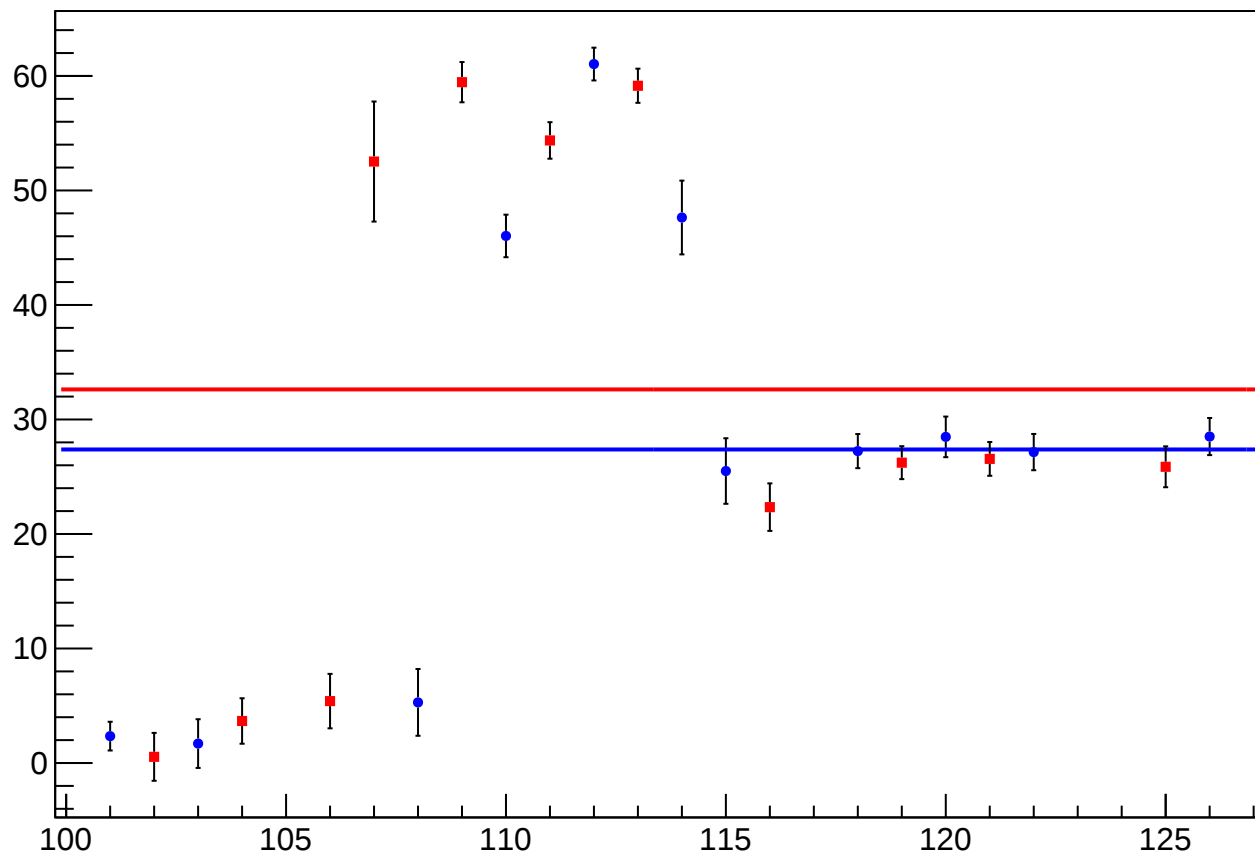
Right: 4.233+/-0.199  $\chi^2/\text{NDF}$ : 560.3/21

In: 4.052+/-0.266  $\chi^2/\text{NDF}$ : 306.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.233+/-0.199  $\chi^2/\text{NDF}$ : 560.3/21

reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 27.381+/-0.533  $\chi^2/\text{NDF}$ : 1296.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 32.625+/-0.546  $\chi^2/\text{NDF}$ : 1404.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

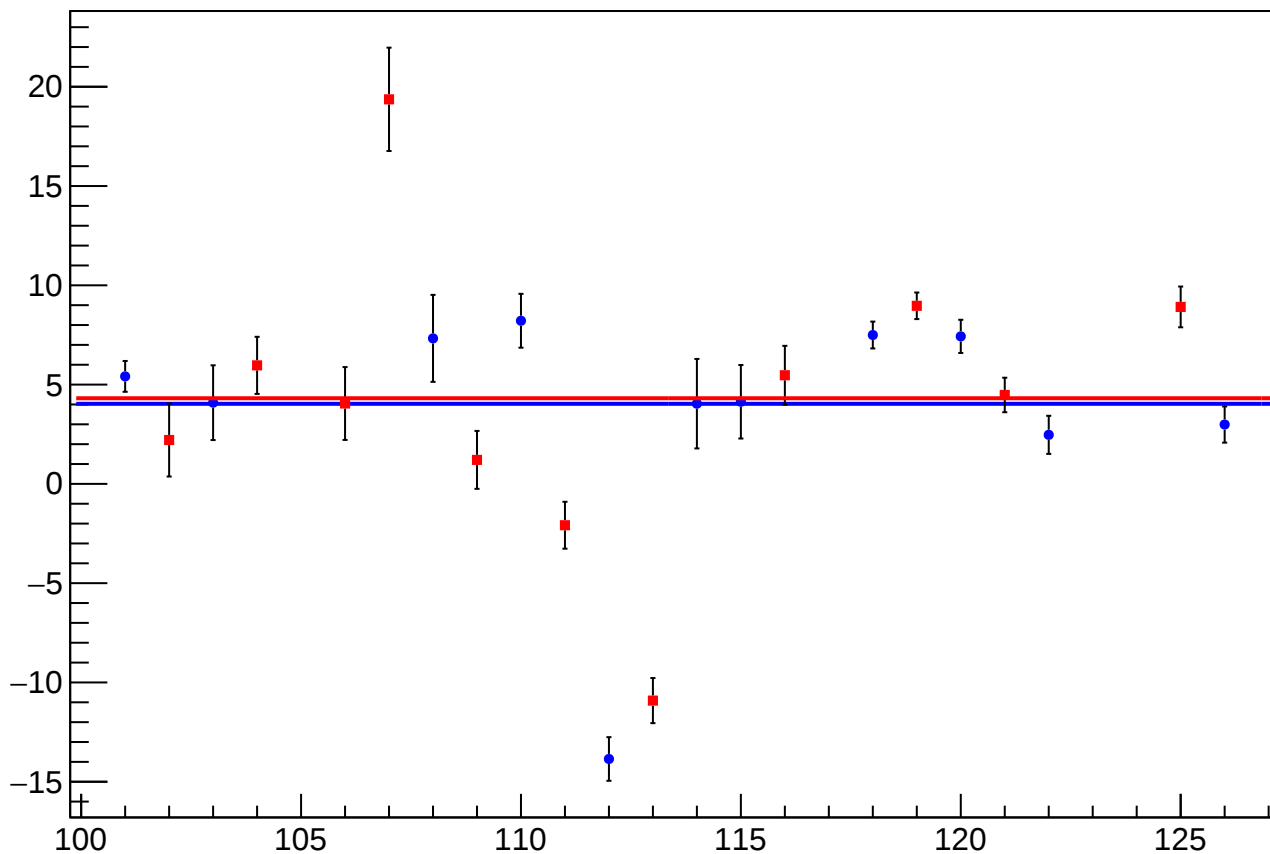
Right: 29.939+/-0.382  $\chi^2/\text{NDF}$ : 2747.6/21

In: 27.381+/-0.533  $\chi^2/\text{NDF}$ : 1296.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 29.939+/-0.382  $\chi^2/\text{NDF}$ : 2747.6/21

reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.033+/-0.317  $\chi^2/\text{NDF}$ : 326.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.313+/-0.350  $\chi^2/\text{NDF}$ : 318.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

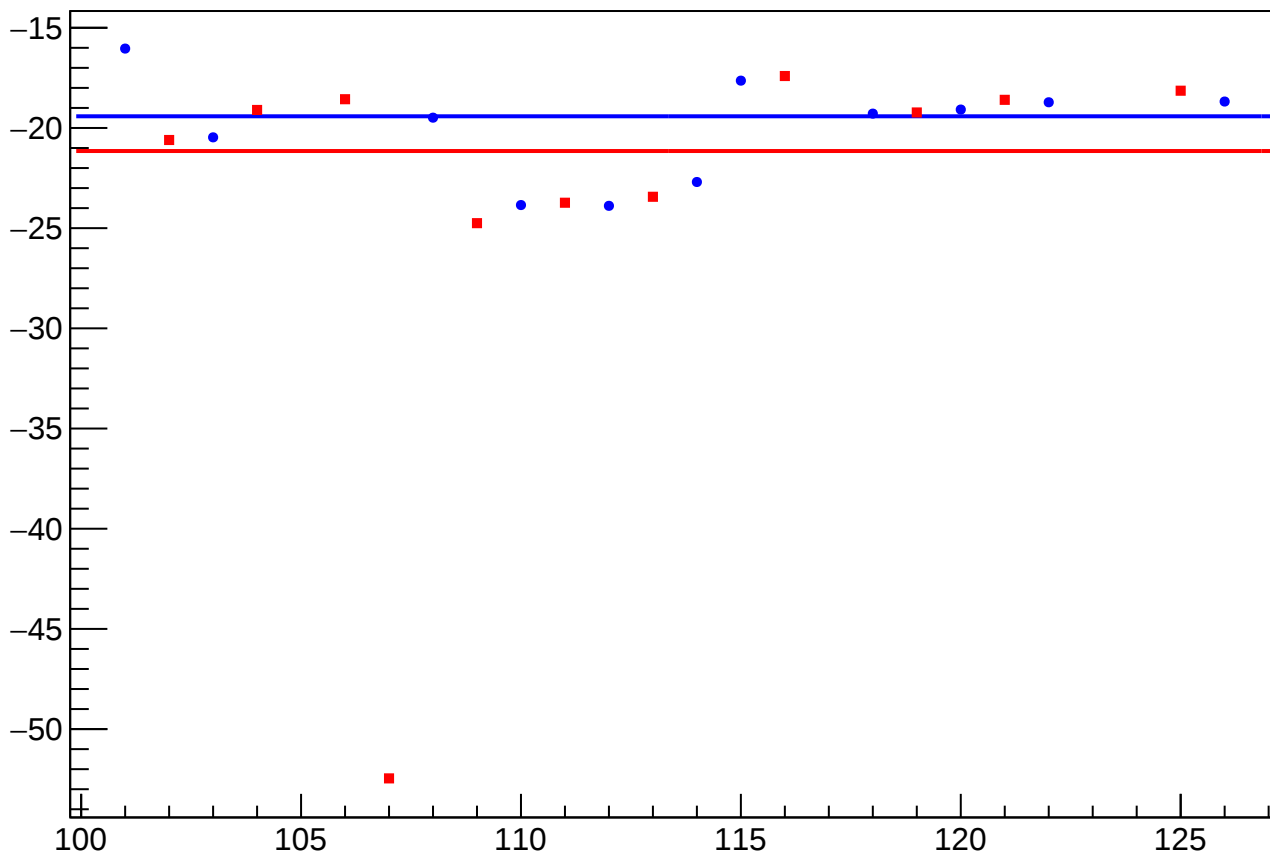
Right: 4.159+/-0.235  $\chi^2/\text{NDF}$ : 645.7/21

In: 4.033+/-0.317  $\chi^2/\text{NDF}$ : 326.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.159+/-0.235  $\chi^2/\text{NDF}$ : 645.7/21

reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.417 \pm 0.020$   $\chi^2/\text{NDF}$ : 13943.0/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-21.150 \pm 0.020$   $\chi^2/\text{NDF}$ : 81115.2/10

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

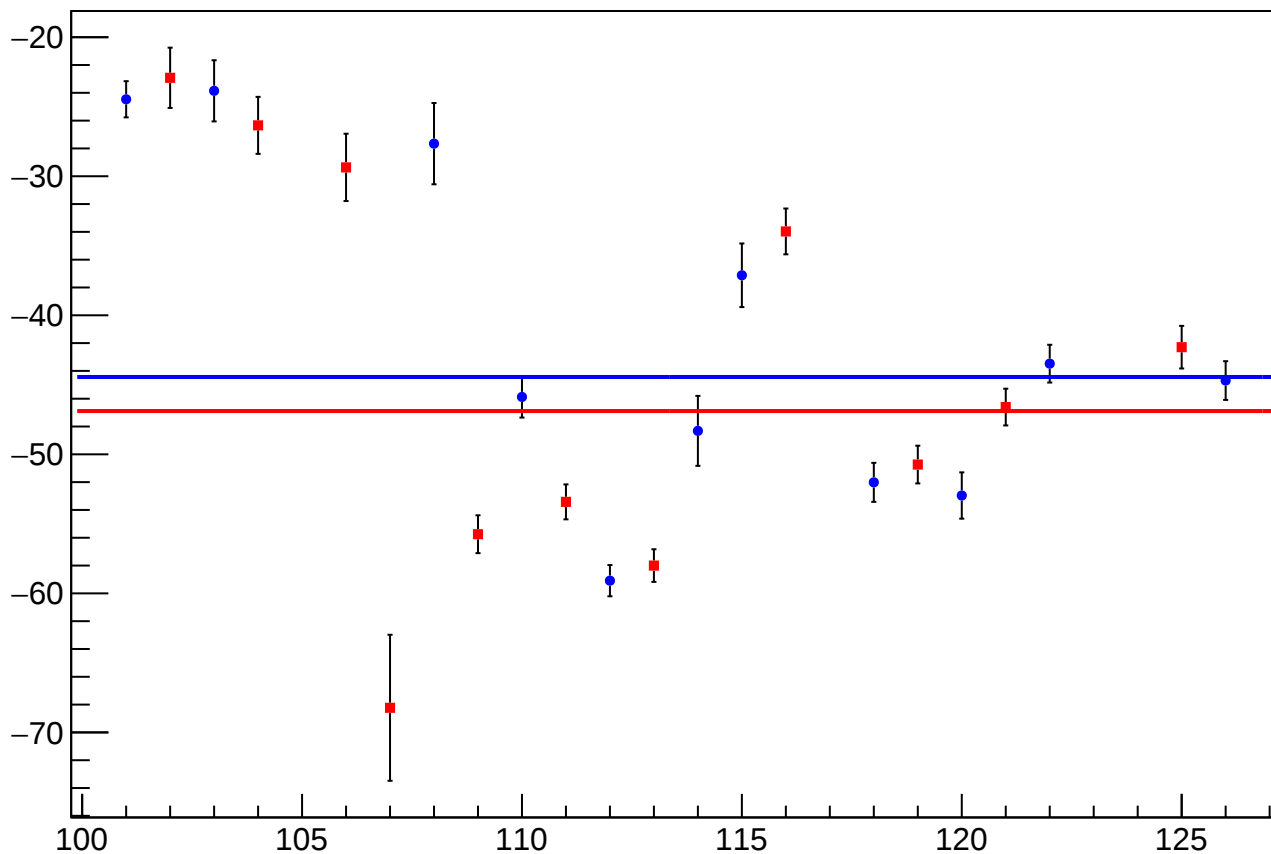
Right:  $-20.282 \pm 0.014$   $\chi^2/\text{NDF}$ : 98781.9/21

In:  $-19.417 \pm 0.020$   $\chi^2/\text{NDF}$ : 13943.0/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-20.282 \pm 0.014$   $\chi^2/\text{NDF}$ : 98781.9/21

reg\_asym\_left\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -44.437 $\pm$ 0.475  $\chi^2$ /NDF: 595.9/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -46.886 $\pm$ 0.473  $\chi^2$ /NDF: 529.5/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

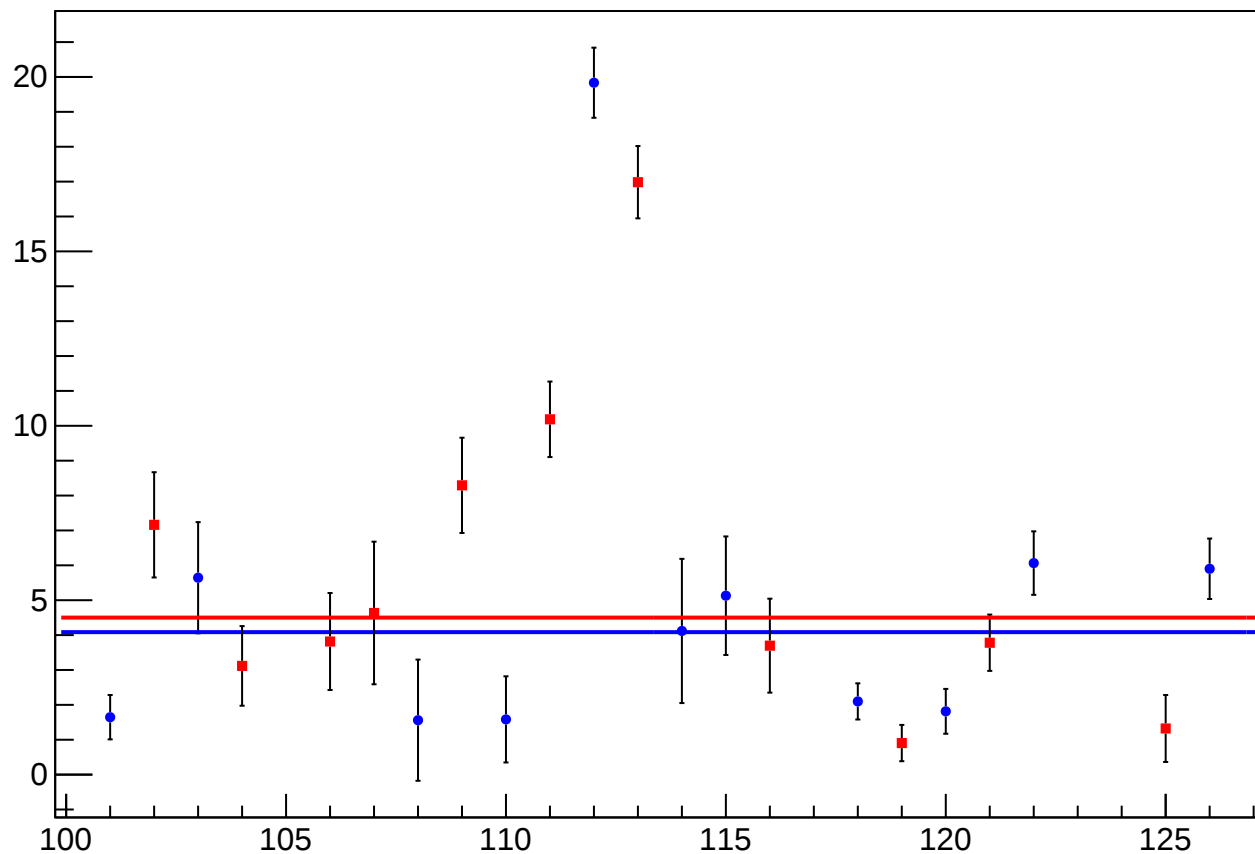
Right: -45.666 $\pm$ 0.335  $\chi^2$ /NDF: 1138.8/21

In: -44.437 $\pm$ 0.475  $\chi^2$ /NDF:595.9/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -45.666 $\pm$ 0.335  $\chi^2$ /NDF: 1138.8/21

reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.084+/-0.266  $\chi^2/\text{NDF}$ : 304.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.501+/-0.299  $\chi^2/\text{NDF}$ : 245.1/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

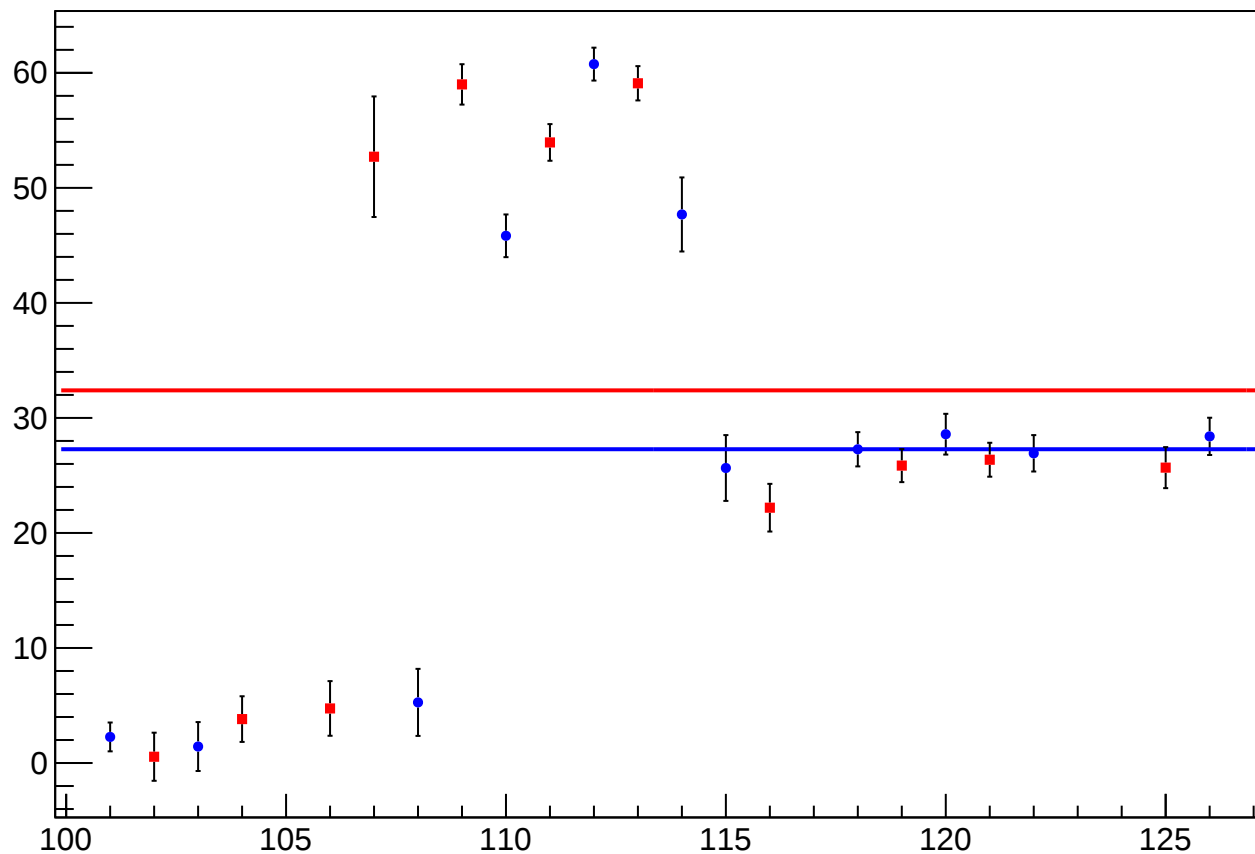
Right: 4.268+/-0.199  $\chi^2/\text{NDF}$ : 550.2/21

In: 4.084+/-0.266  $\chi^2/\text{NDF}$ : 304.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.268+/-0.199  $\chi^2/\text{NDF}$ : 550.2/21

reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 27.279+/-0.533  $\chi^2/\text{NDF}$ : 1292.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 32.397+/-0.546  $\chi^2/\text{NDF}$ : 1398.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

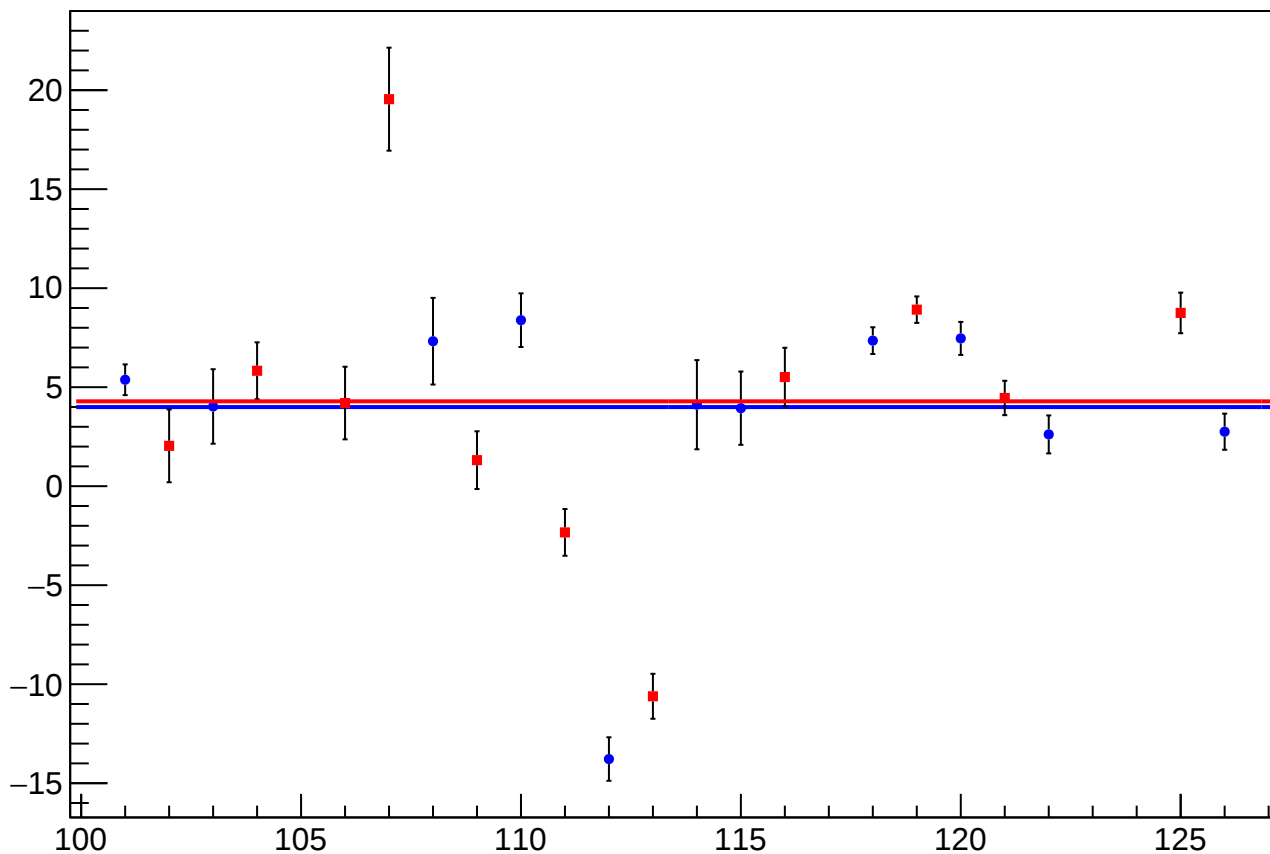
Right: 29.775+/-0.381  $\chi^2/\text{NDF}$ : 2736.3/21

In: 27.279+/-0.533  $\chi^2/\text{NDF}$ : 1292.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 29.775+/-0.381  $\chi^2/\text{NDF}$ : 2736.3/21

reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 3.995+/-0.317  $\chi^2/\text{NDF}$ : 323.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.285+/-0.350  $\chi^2/\text{NDF}$ : 312.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

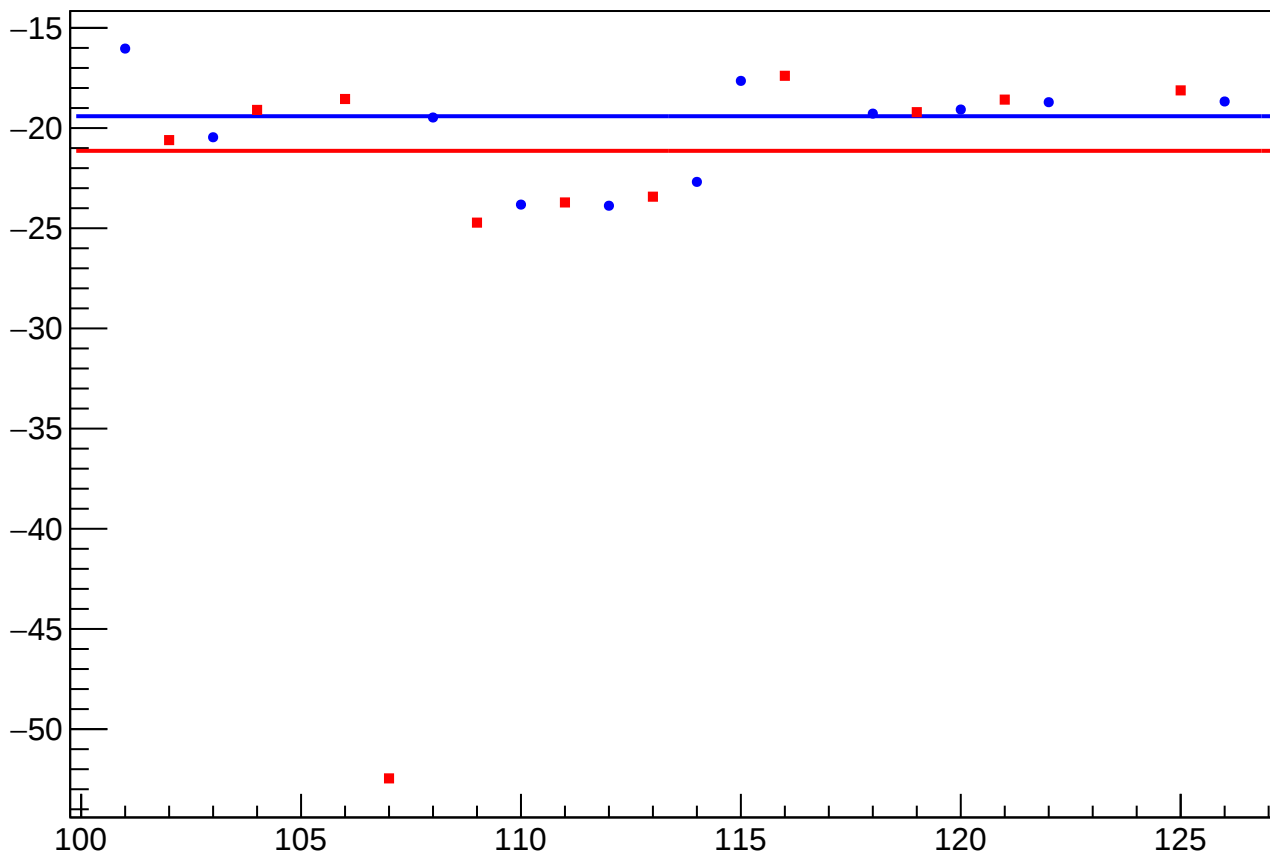
Right: 4.126+/-0.235  $\chi^2/\text{NDF}$ : 636.7/21

In: 3.995+/-0.317  $\chi^2/\text{NDF}$ : 323.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.126+/-0.235  $\chi^2/\text{NDF}$ : 636.7/21

reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.409 \pm 0.020$   $\chi^2/\text{NDF}: 13921.2/10$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-21.136 \pm 0.020$   $\chi^2/\text{NDF}: 81208.8/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

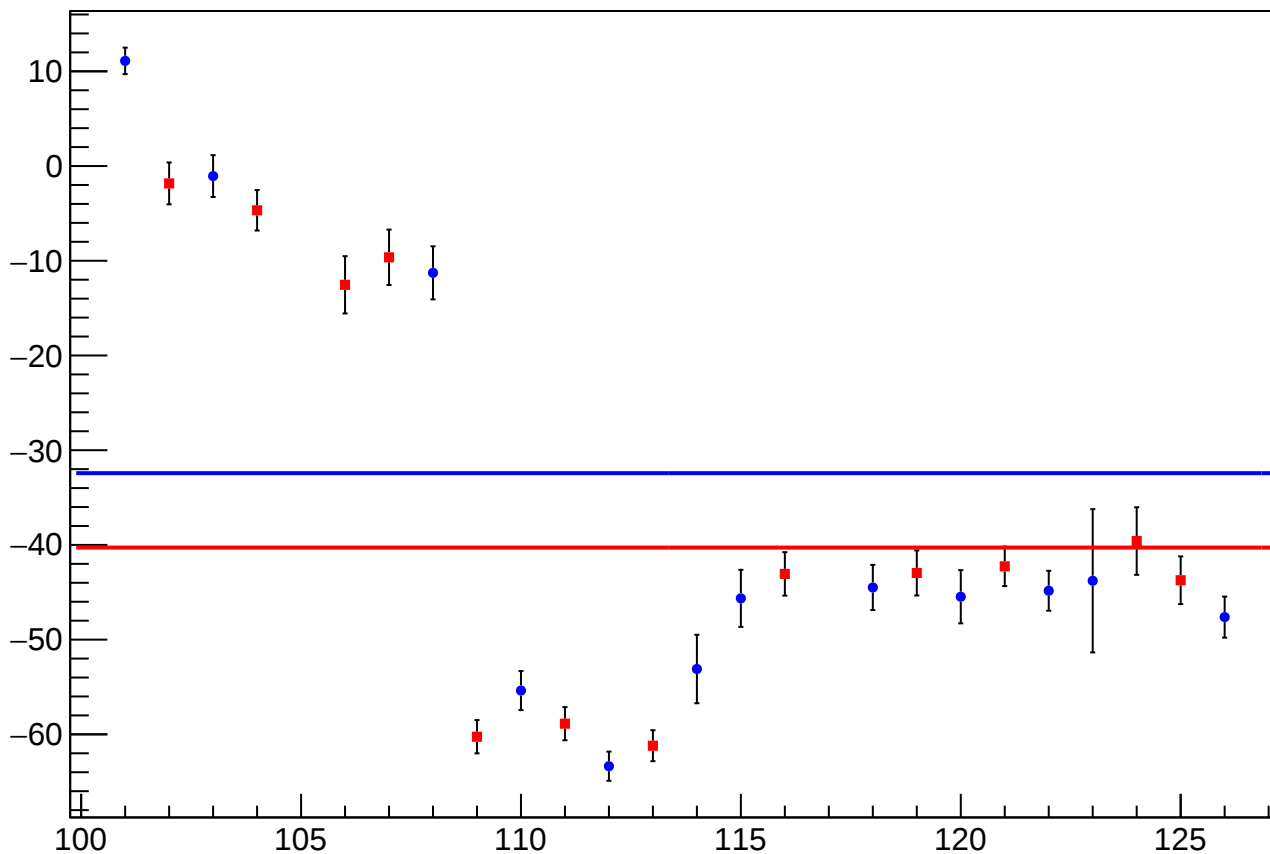
Right:  $-20.271 \pm 0.014$   $\chi^2/\text{NDF}: 98835.7/21$

In:  $-19.409 \pm 0.020$   $\chi^2/\text{NDF}: 13921.2/10$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-20.271 \pm 0.014$   $\chi^2/\text{NDF}: 98835.7/21$

reg\_asym\_right\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -32.425+/-0.639  $\chi^2/\text{NDF}$ : 1945.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -40.280+/-0.631  $\chi^2/\text{NDF}$ : 1186.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

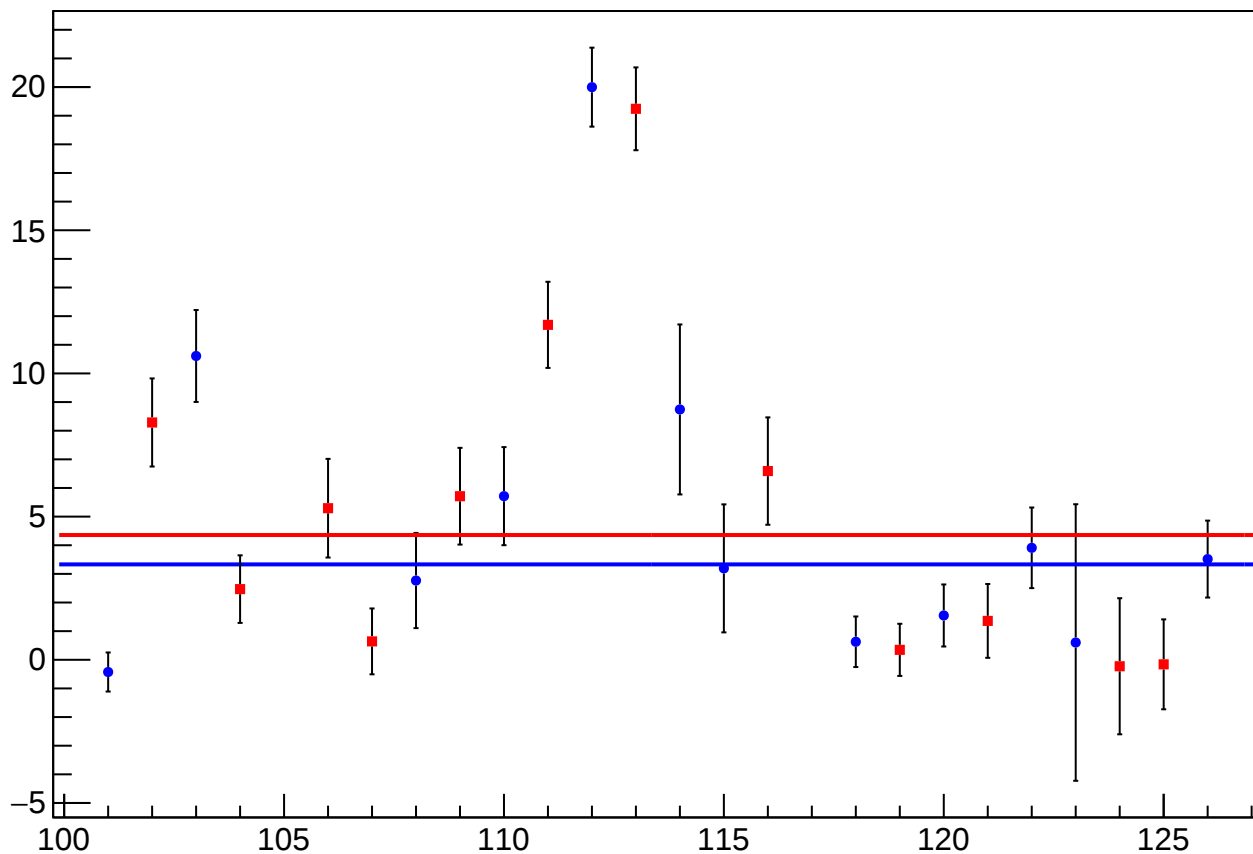
Right: -36.400+/-0.449  $\chi^2/\text{NDF}$ : 3207.8/23

In: -32.425+/-0.639  $\chi^2/\text{NDF}$ : 1945.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -36.400+/-0.449  $\chi^2/\text{NDF}$ : 3207.8/23

reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.331+/-0.370  $\chi^2/\text{NDF}$ : 215.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.357+/-0.402  $\chi^2/\text{NDF}$ : 188.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

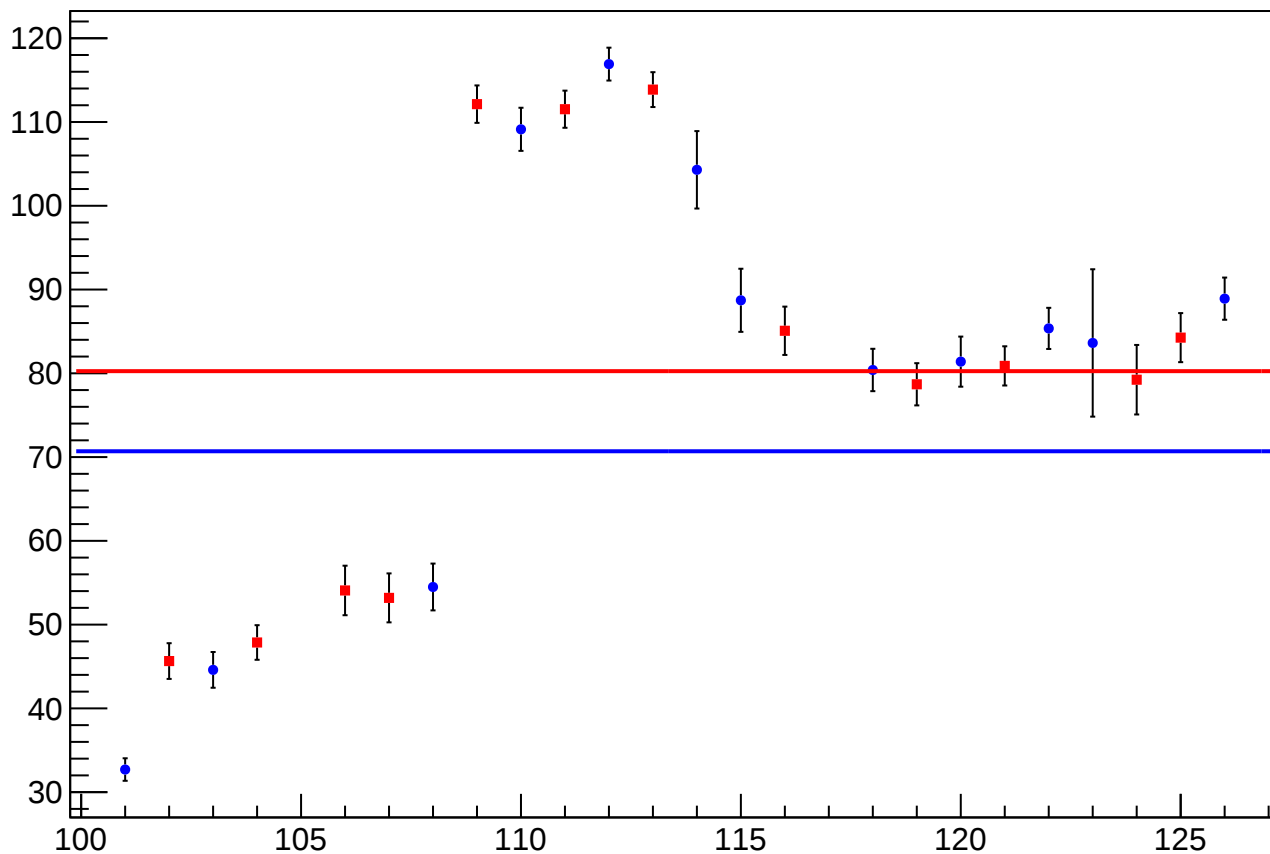
Right: 3.801+/-0.272  $\chi^2/\text{NDF}$ : 407.0/23

In: 3.331+/-0.370  $\chi^2/\text{NDF}$ : 215.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.801+/-0.272  $\chi^2/\text{NDF}$ : 407.0/23

reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 70.694+/-0.701  $\chi^2/\text{NDF}$ : 1953.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 80.257+/-0.715  $\chi^2/\text{NDF}$ : 1342.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

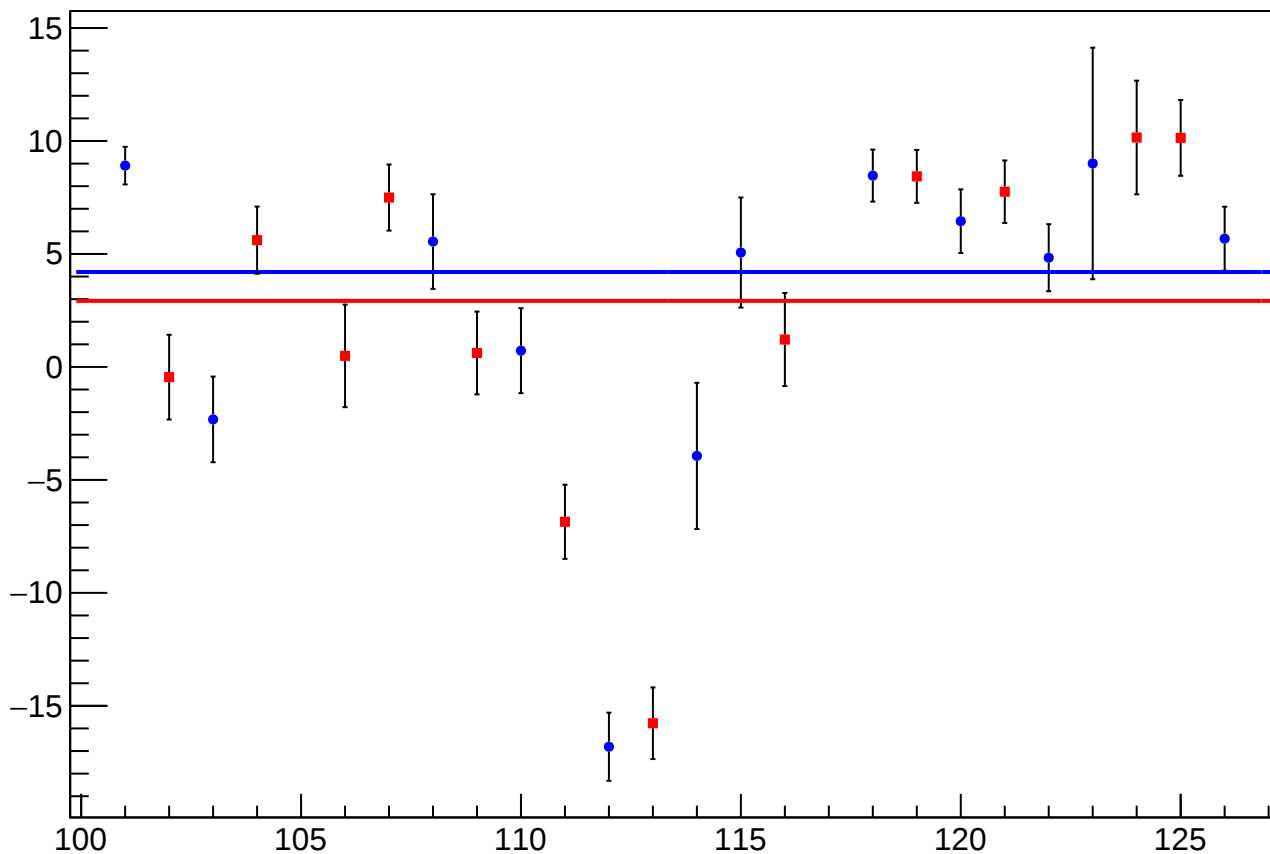
Right: 75.382+/-0.501  $\chi^2/\text{NDF}$ : 3386.5/23

In: 70.694+/-0.701  $\chi^2/\text{NDF}$ : 1953.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 75.382+/-0.501  $\chi^2/\text{NDF}$ : 3386.5/23

reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.201 $\pm$ 0.439  $\chi^2$ /NDF: 266.8/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.924 $\pm$ 0.473  $\chi^2$ /NDF: 255.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

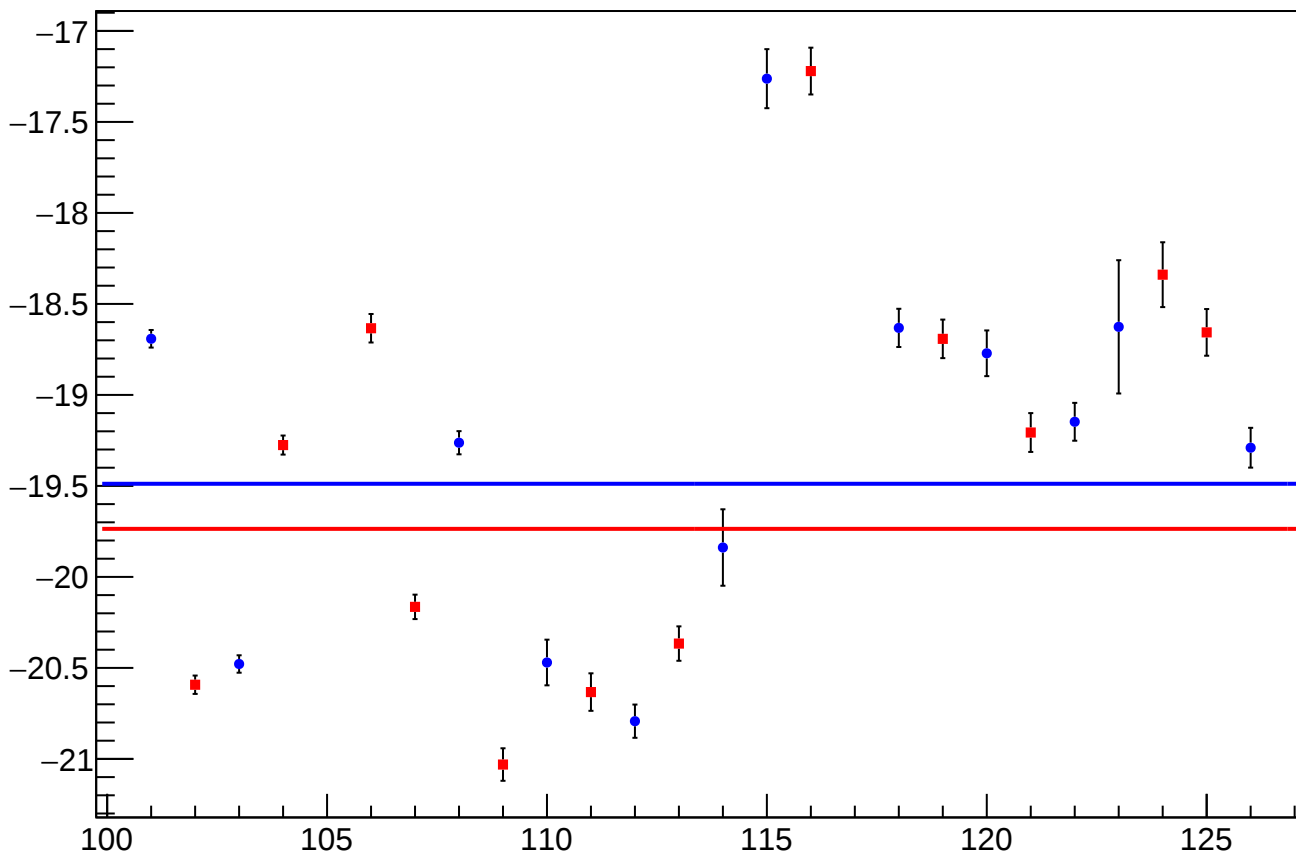
Right: 3.610 $\pm$ 0.322  $\chi^2$ /NDF: 526.2/23

In: 4.201 $\pm$ 0.439  $\chi^2$ /NDF:266.8/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 3.610 $\pm$ 0.322  $\chi^2$ /NDF: 526.2/23

reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.488+/-0.024  $\chi^2/\text{NDF}$ : 1287.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -19.736+/-0.024  $\chi^2/\text{NDF}$ : 1571.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

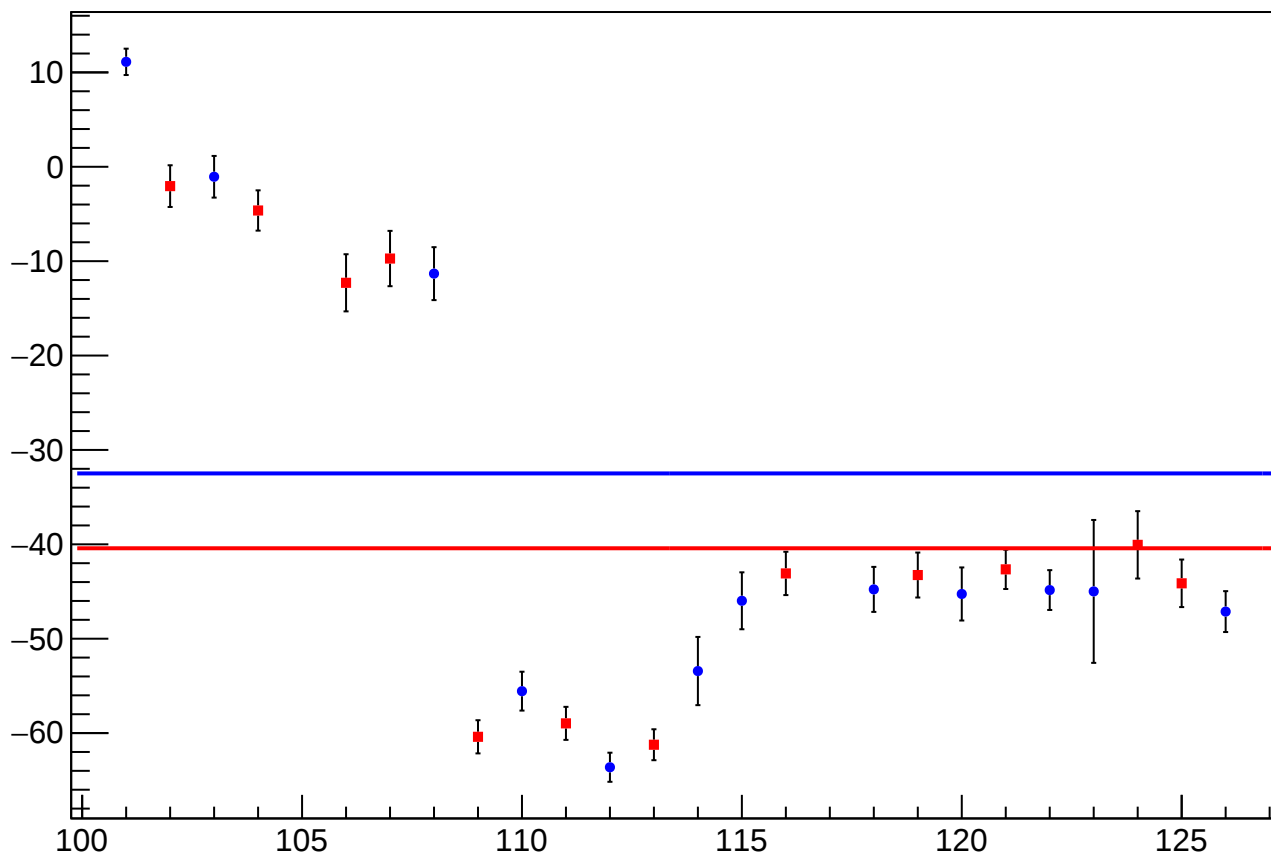
Right: -19.616+/-0.017  $\chi^2/\text{NDF}$ : 2912.5/23

In: -19.488+/-0.024  $\chi^2/\text{NDF}$ : 1287.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -19.616+/-0.017  $\chi^2/\text{NDF}$ : 2912.5/23

reg\_asym\_right\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -32.489+/-0.639  $\chi^2/\text{NDF}$ : 1952.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -40.419+/-0.632  $\chi^2/\text{NDF}$ : 1187.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

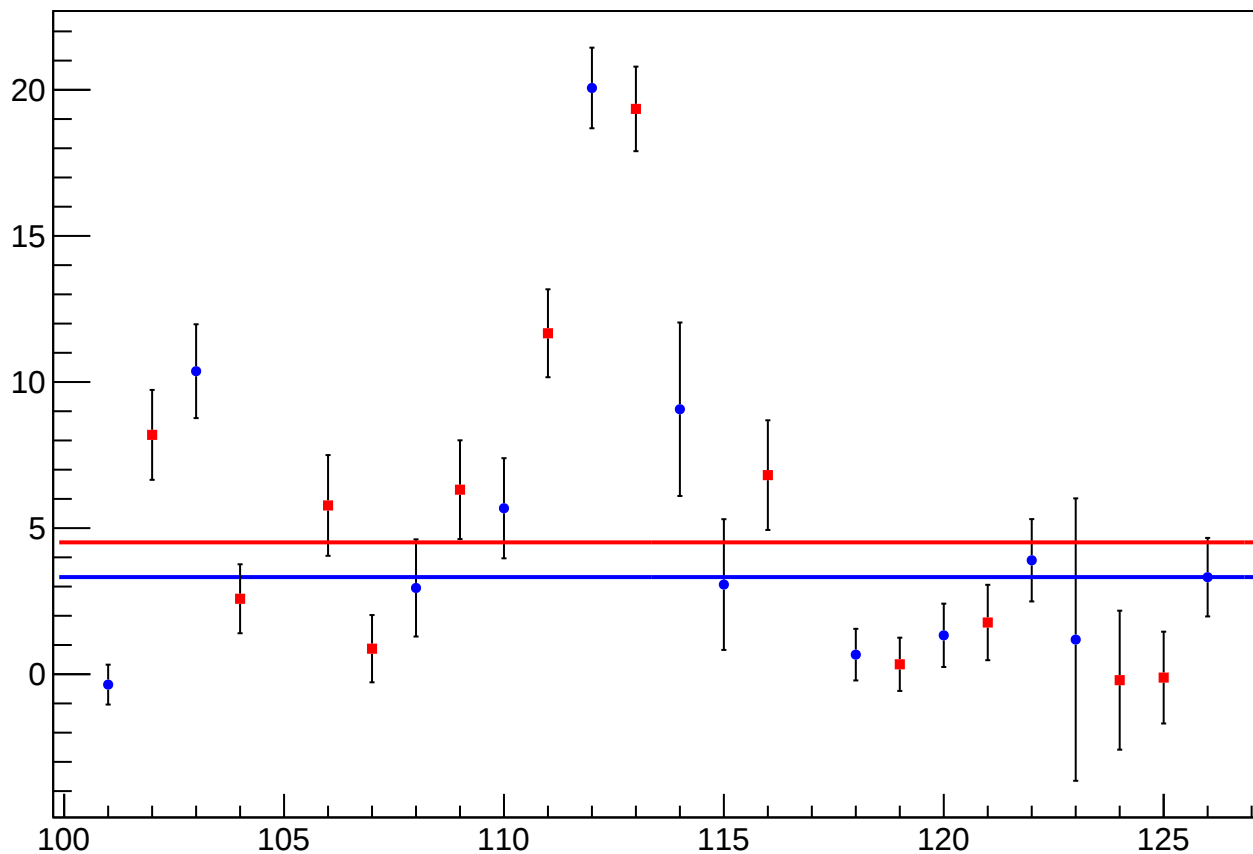
Right: -36.502+/-0.449  $\chi^2/\text{NDF}$ : 3217.9/23

In: -32.489+/-0.639  $\chi^2/\text{NDF}$ : 1952.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -36.502+/-0.449  $\chi^2/\text{NDF}$ : 3217.9/23

reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.324+/-0.370  $\chi^2/\text{NDF}$ : 214.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.512+/-0.403  $\chi^2/\text{NDF}$ : 187.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

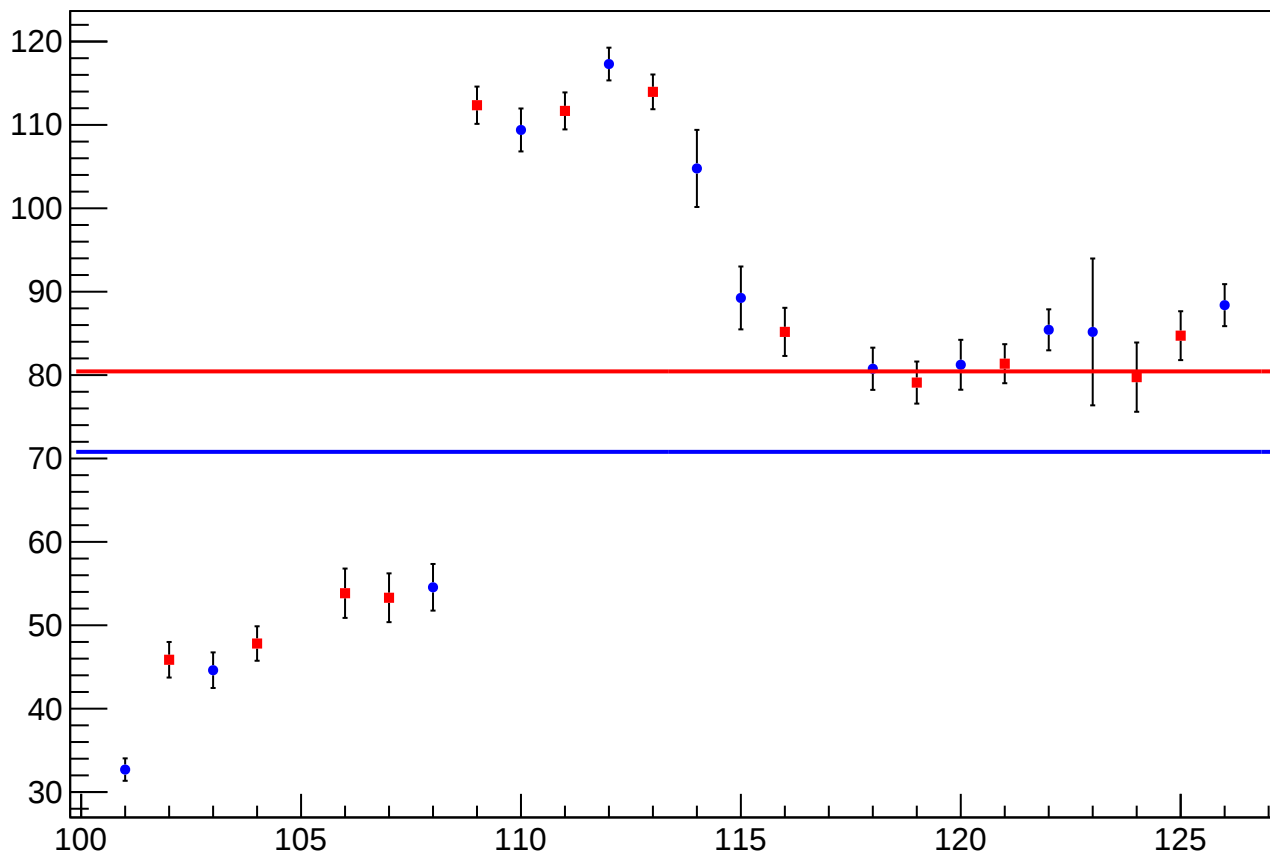
Right: 3.868+/-0.272  $\chi^2/\text{NDF}$ : 406.3/23

In: 3.324+/-0.370  $\chi^2/\text{NDF}$ : 214.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.868+/-0.272  $\chi^2/\text{NDF}$ : 406.3/23

reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 70.795+/-0.702  $\chi^2/\text{NDF}$ : 1965.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 80.444+/-0.716  $\chi^2/\text{NDF}$ : 1345.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

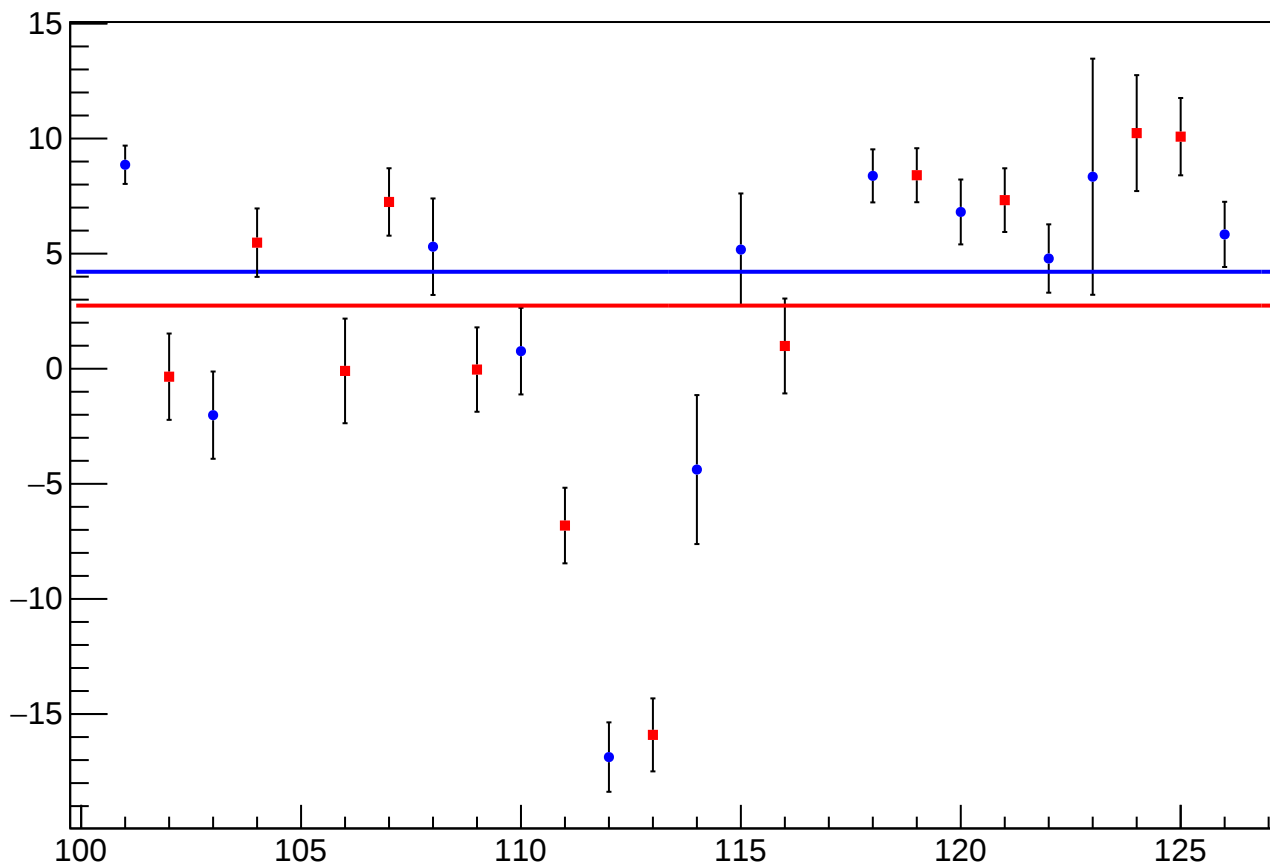
Right: 75.525+/-0.501  $\chi^2/\text{NDF}$ : 3403.6/23

In: 70.795+/-0.702  $\chi^2/\text{NDF}$ : 1965.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 75.525+/-0.501  $\chi^2/\text{NDF}$ : 3403.6/23

reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.212+/-0.439  $\chi^2/\text{NDF}$ : 266.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.743+/-0.474  $\chi^2/\text{NDF}$ : 254.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

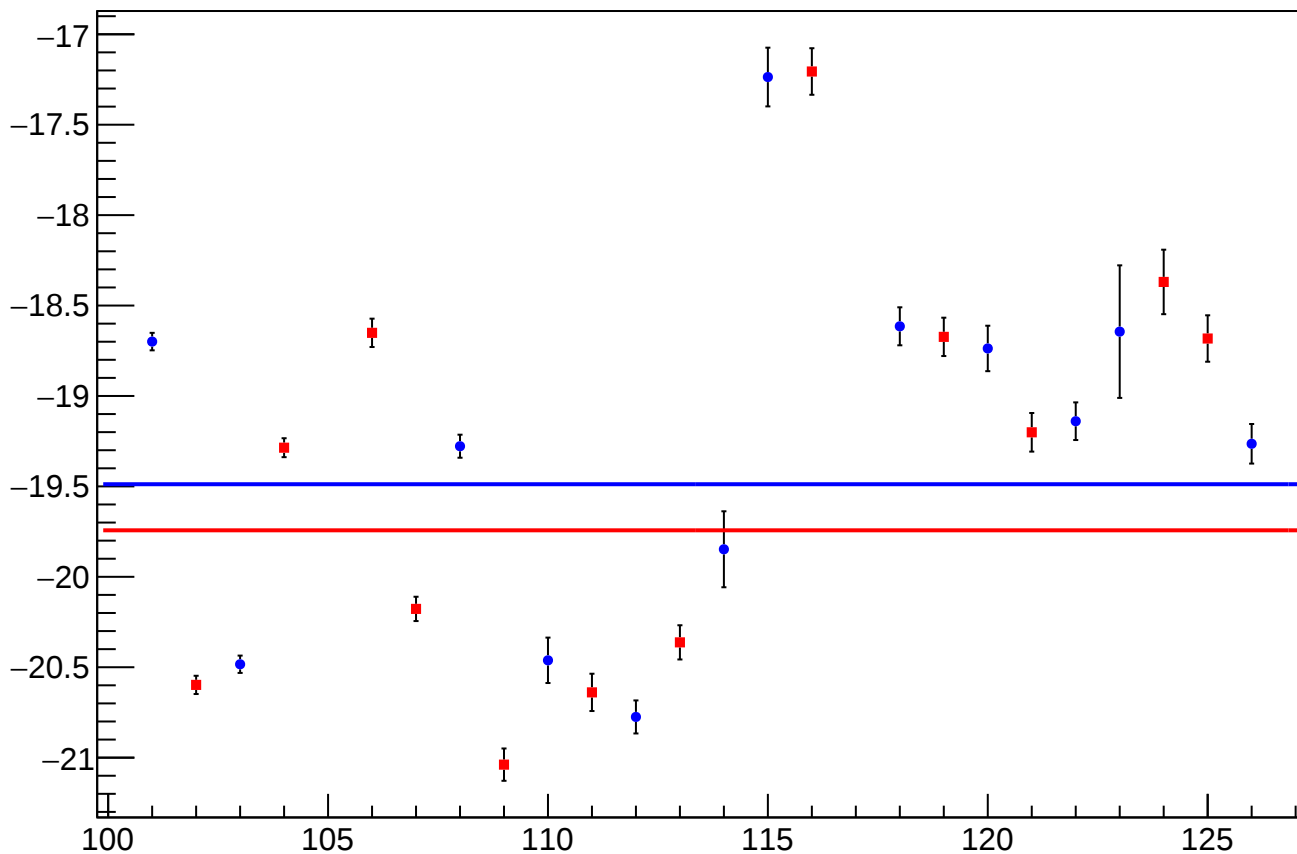
Right: 3.532+/-0.322  $\chi^2/\text{NDF}$ : 526.5/23

In: 4.212+/-0.439  $\chi^2/\text{NDF}$ : 266.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.532+/-0.322  $\chi^2/\text{NDF}$ : 526.5/23

reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.488+/-0.024  $\chi^2/\text{NDF}$ : 1288.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -19.743+/-0.024  $\chi^2/\text{NDF}$ : 1571.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

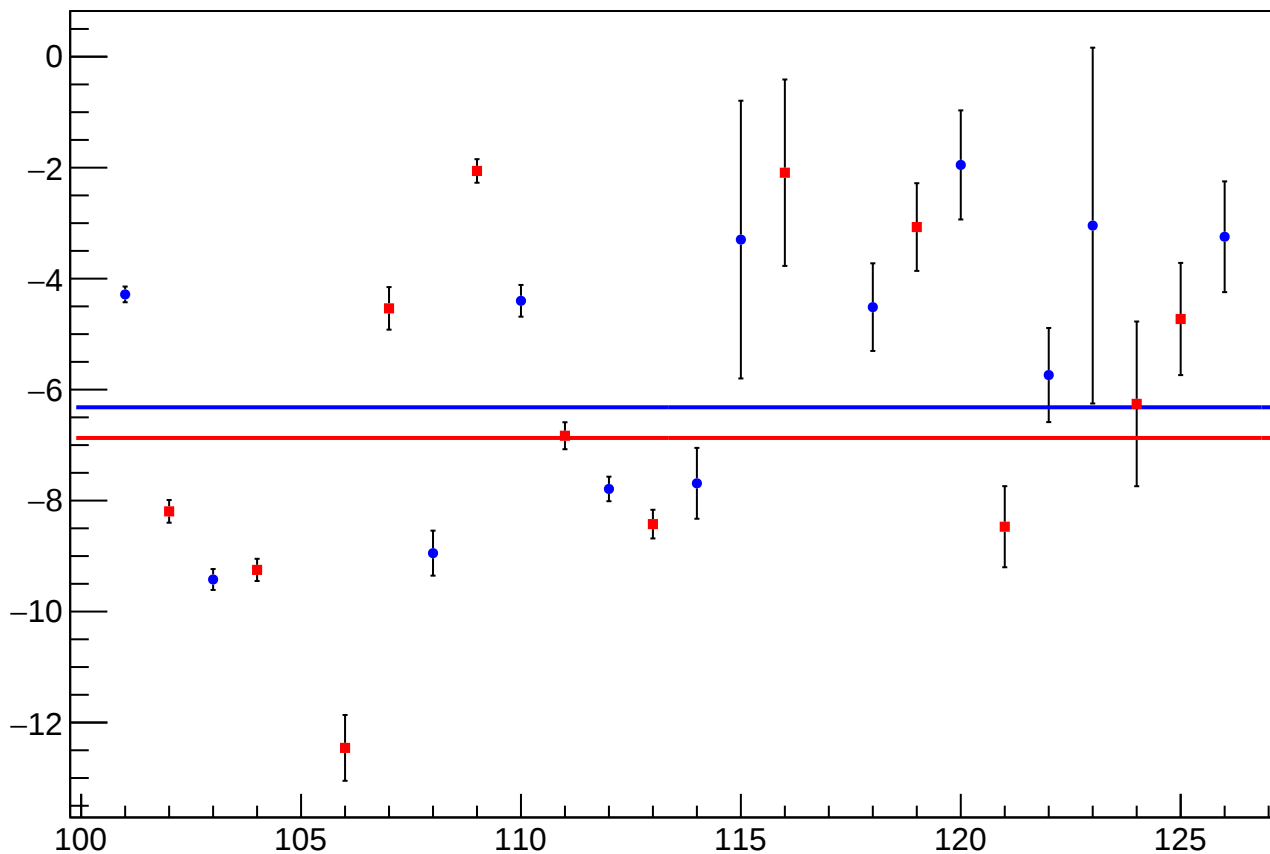
Right: -19.619+/-0.017  $\chi^2/\text{NDF}$ : 2916.4/23

In: -19.488+/-0.024  $\chi^2/\text{NDF}$ : 1288.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -19.619+/-0.017  $\chi^2/\text{NDF}$ : 2916.4/23

reg\_asym\_sam\_15\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -6.319+/-0.090  $\chi^2/\text{NDF}$ : 651.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.871+/-0.092  $\chi^2/\text{NDF}$ : 898.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

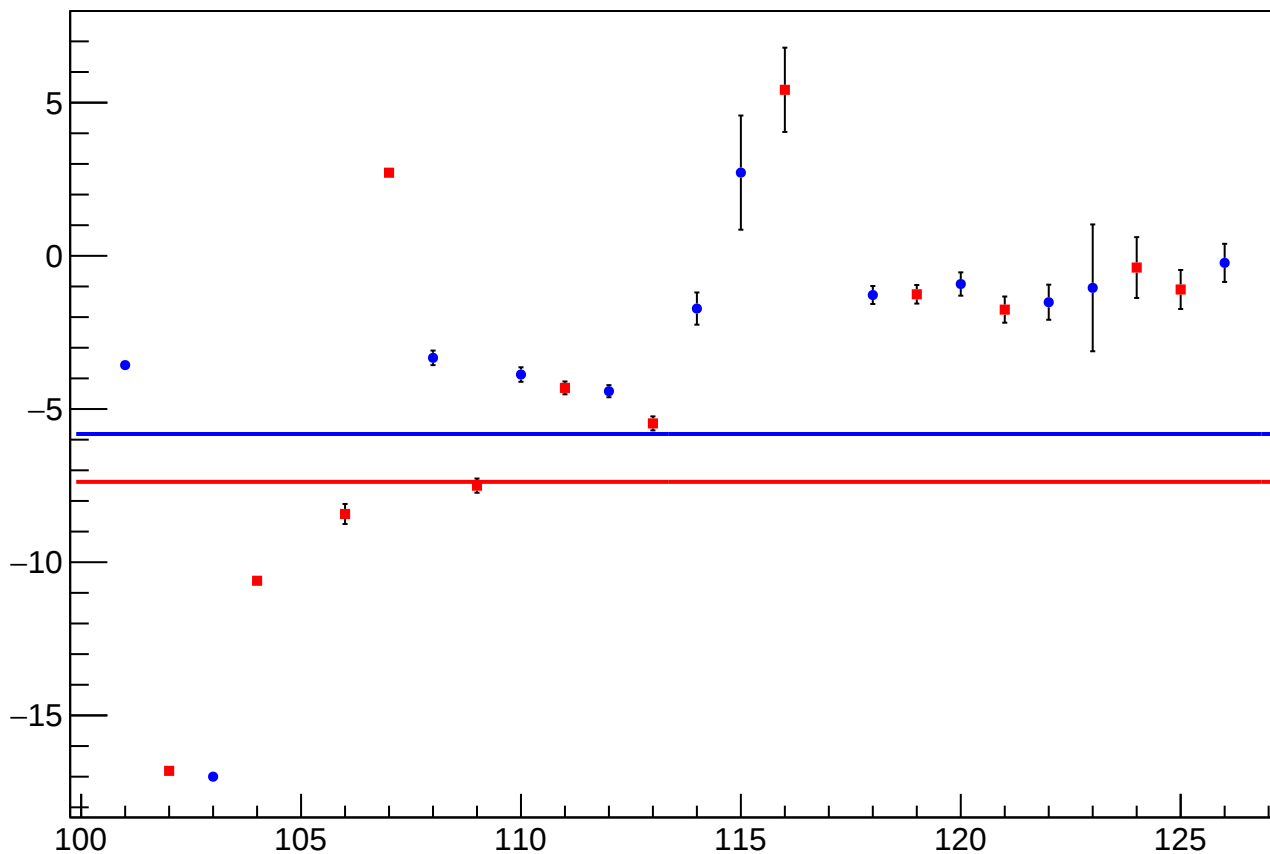
Right: -6.587+/-0.064  $\chi^2/\text{NDF}$ : 1567.9/23

In: -6.319+/-0.090  $\chi^2/\text{NDF}$ : 651.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.587+/-0.064  $\chi^2/\text{NDF}$ : 1567.9/23

reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -5.814+/-0.057  $\chi^2/\text{NDF}$ : 8548.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.377+/-0.064  $\chi^2/\text{NDF}$ : 10237.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

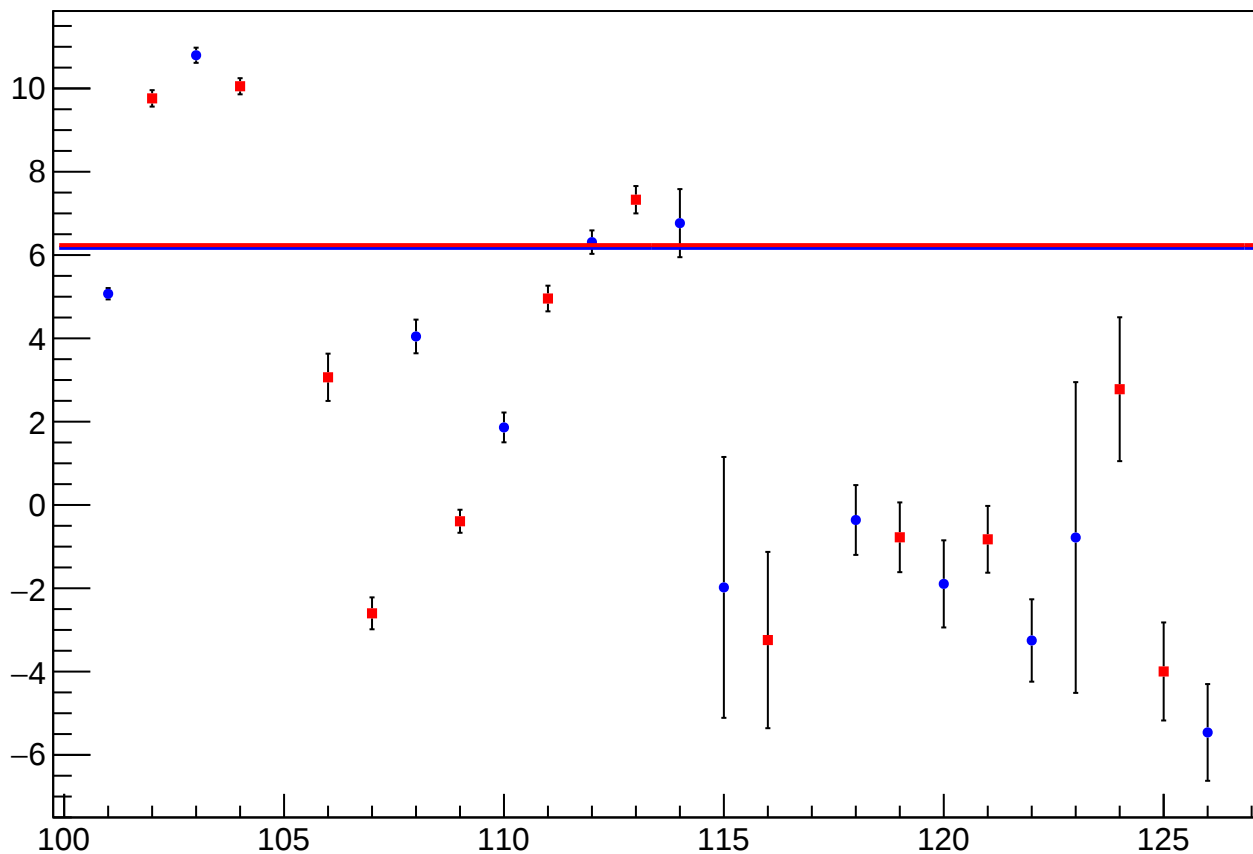
Right: -6.509+/-0.043  $\chi^2/\text{NDF}$ : 19118.9/23

In: -5.814+/-0.057  $\chi^2/\text{NDF}$ : 8548.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.509+/-0.043  $\chi^2/\text{NDF}$ : 19118.9/23

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.173+/-0.093  $\chi^2/\text{NDF}$ : 1205.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.238+/-0.100  $\chi^2/\text{NDF}$ : 2120.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

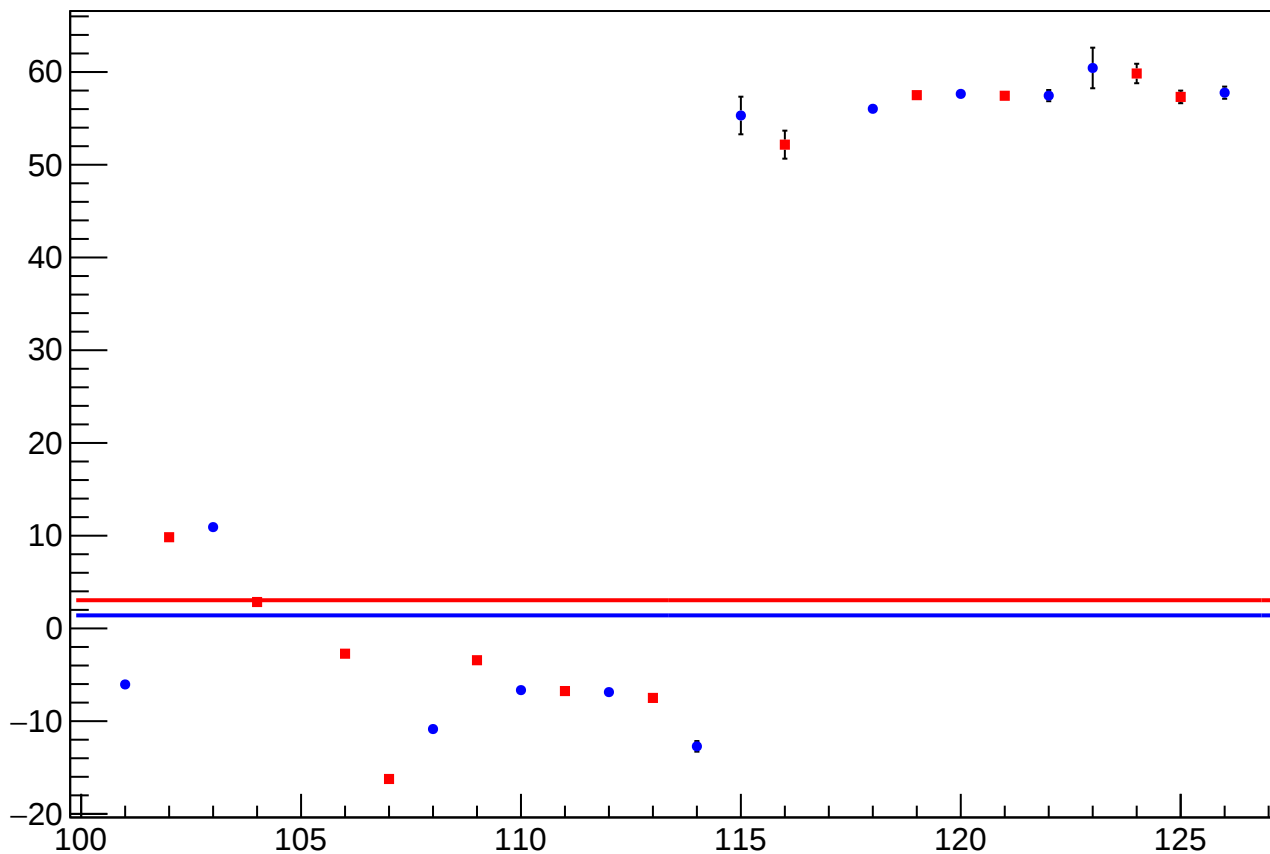
Right: 6.203+/-0.068  $\chi^2/\text{NDF}$ : 3326.1/23

In: 6.173+/-0.093  $\chi^2/\text{NDF}$ : 1205.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.203+/-0.068  $\chi^2/\text{NDF}$ : 3326.1/23

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.406+/-0.068  $\chi^2/\text{NDF}$ : 65369.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.040+/-0.076  $\chi^2/\text{NDF}$ : 59213.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

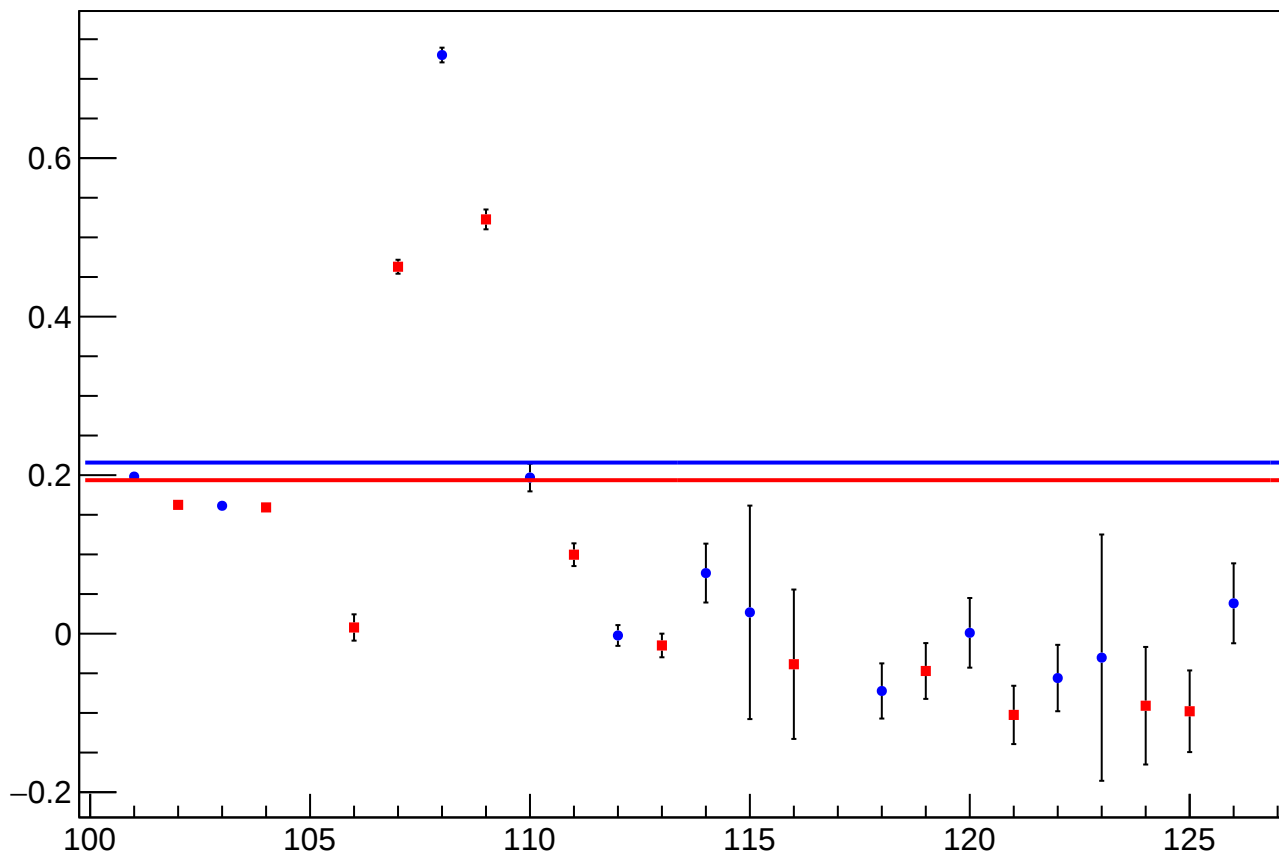
Right: 2.133+/-0.051  $\chi^2/\text{NDF}$ : 124840.1/23

In: 1.406+/-0.068  $\chi^2/\text{NDF}$ : 65369.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.133+/-0.051  $\chi^2/\text{NDF}$ : 124840.1/23

reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.216+/-0.003  $\chi^2/\text{NDF}$ : 3700.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.194+/-0.003  $\chi^2/\text{NDF}$ : 2251.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

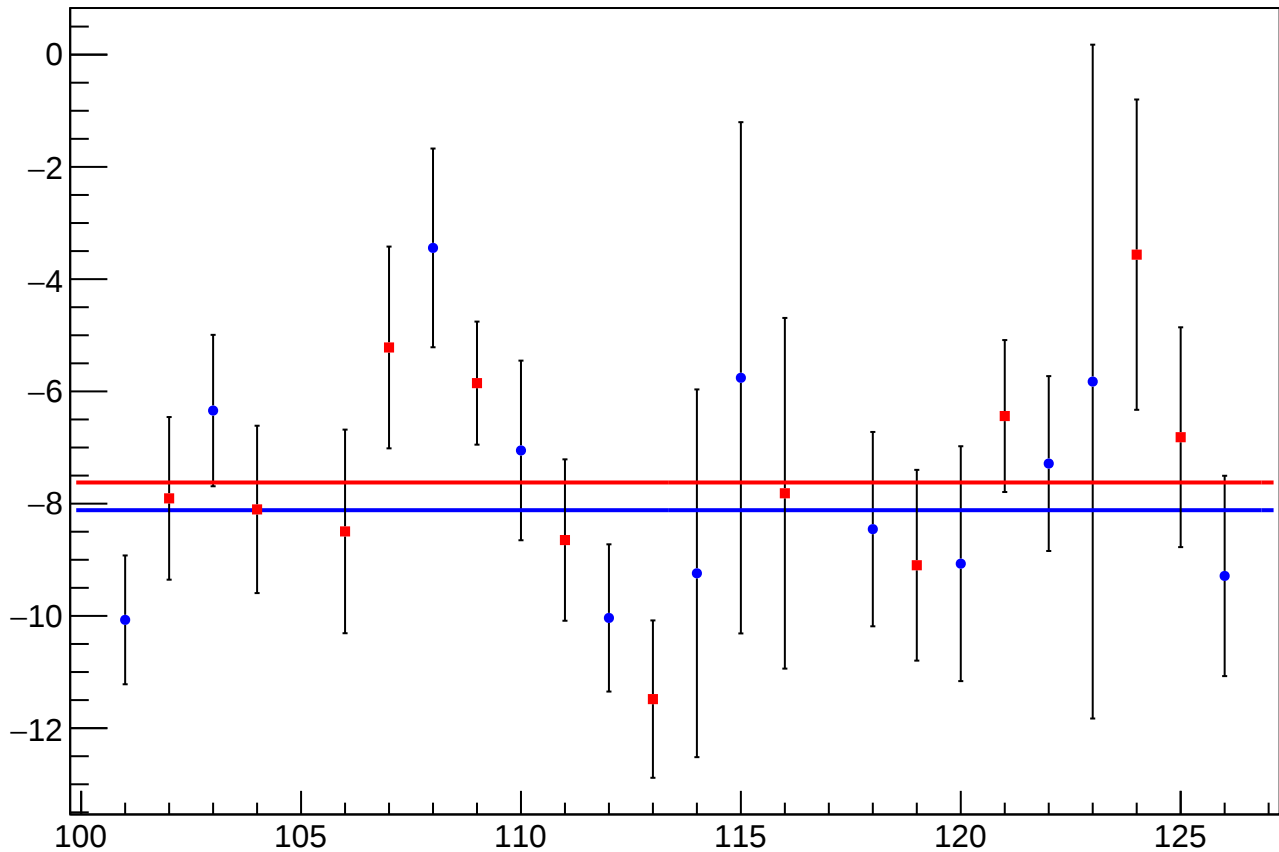
Right: 0.205+/-0.002  $\chi^2/\text{NDF}$ : 5981.9/23

In: 0.216+/-0.003  $\chi^2/\text{NDF}$ : 3700.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.205+/-0.002  $\chi^2/\text{NDF}$ : 5981.9/23

reg\_asym\_sam\_15\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-8.117 \pm 0.496$   $\chi^2/\text{NDF}: 15.7/11$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-7.623 \pm 0.459$   $\chi^2/\text{NDF}: 16.7/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

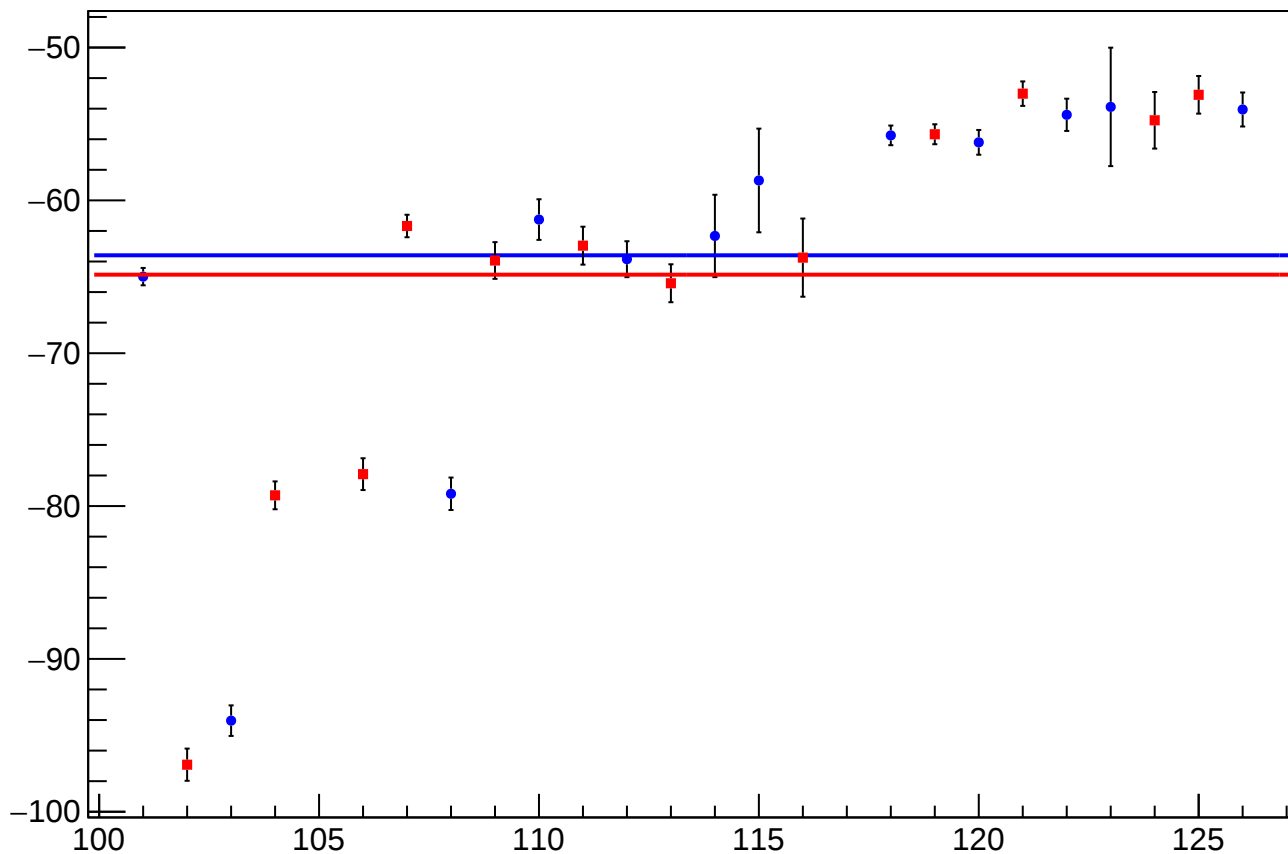
Right:  $-7.850 \pm 0.337$   $\chi^2/\text{NDF}: 32.9/23$

In:  $-8.117 \pm 0.496$   $\chi^2/\text{NDF}: 15.7/11$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-7.850 \pm 0.337$   $\chi^2/\text{NDF}: 32.9/23$

reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-63.593 \pm 0.286$   $\chi^2/\text{NDF}$ : 1542.5/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-64.861 \pm 0.290$   $\chi^2/\text{NDF}$ : 1894.0/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

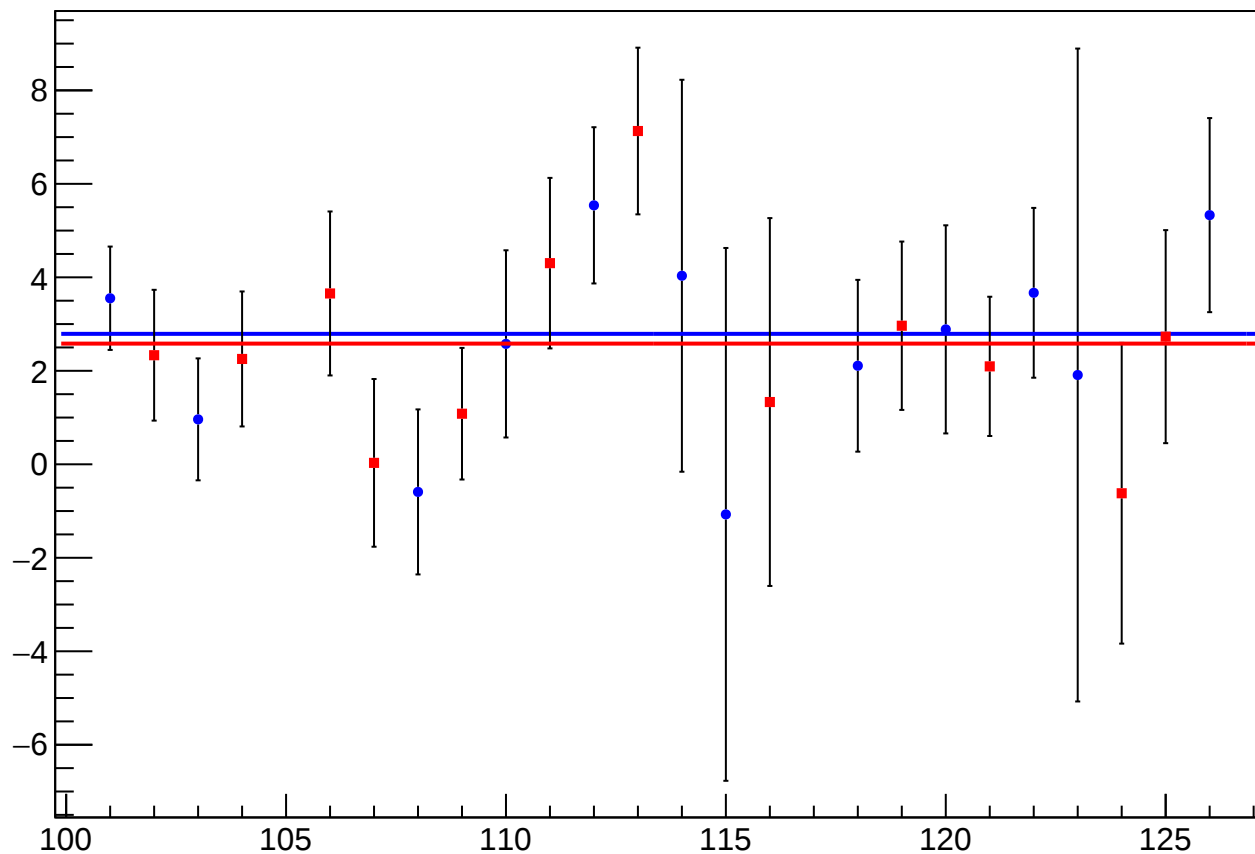
Right:  $-64.218 \pm 0.204$   $\chi^2/\text{NDF}$ : 3446.2/23

In:  $-63.593 \pm 0.286$   $\chi^2/\text{NDF}$ : 1542.5/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-64.218 \pm 0.204$   $\chi^2/\text{NDF}$ : 3446.2/23

reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.791+/-0.536  $\chi^2/\text{NDF}$ : 11.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.582+/-0.509  $\chi^2/\text{NDF}$ : 12.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

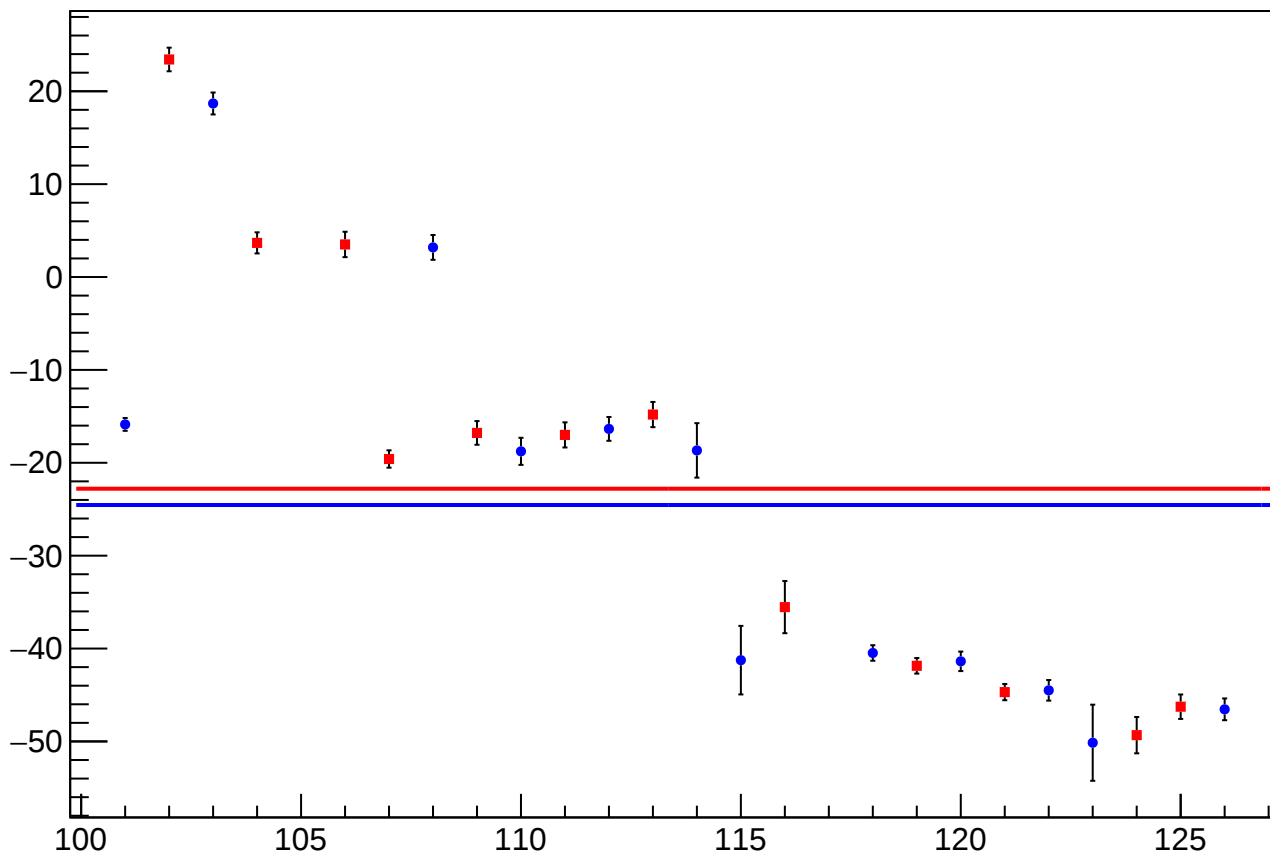
Right: 2.681+/-0.369  $\chi^2/\text{NDF}$ : 23.6/23

In: 2.791+/-0.536  $\chi^2/\text{NDF}$ : 11.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.681+/-0.369  $\chi^2/\text{NDF}$ : 23.6/23

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -24.545+/-0.342  $\chi^2/\text{NDF}$ : 3344.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -22.791+/-0.343  $\chi^2/\text{NDF}$ : 3994.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

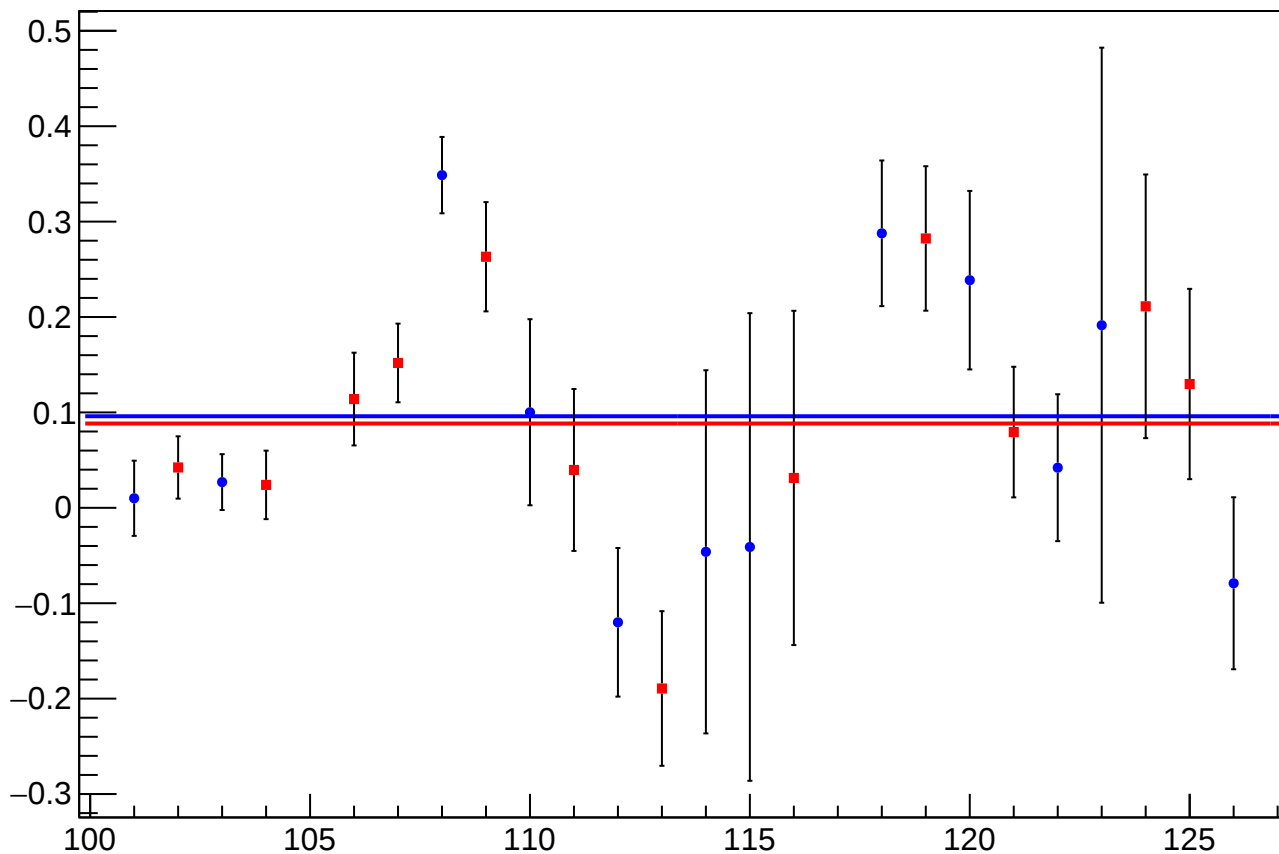
Right: -23.673+/-0.242  $\chi^2/\text{NDF}$ : 7352.2/23

In: -24.545+/-0.342  $\chi^2/\text{NDF}$ : 3344.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -23.673+/-0.242  $\chi^2/\text{NDF}$ : 7352.2/23

reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.096+/-0.017  $\chi^2/\text{NDF}$ : 71.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.088+/-0.016  $\chi^2/\text{NDF}$ : 36.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

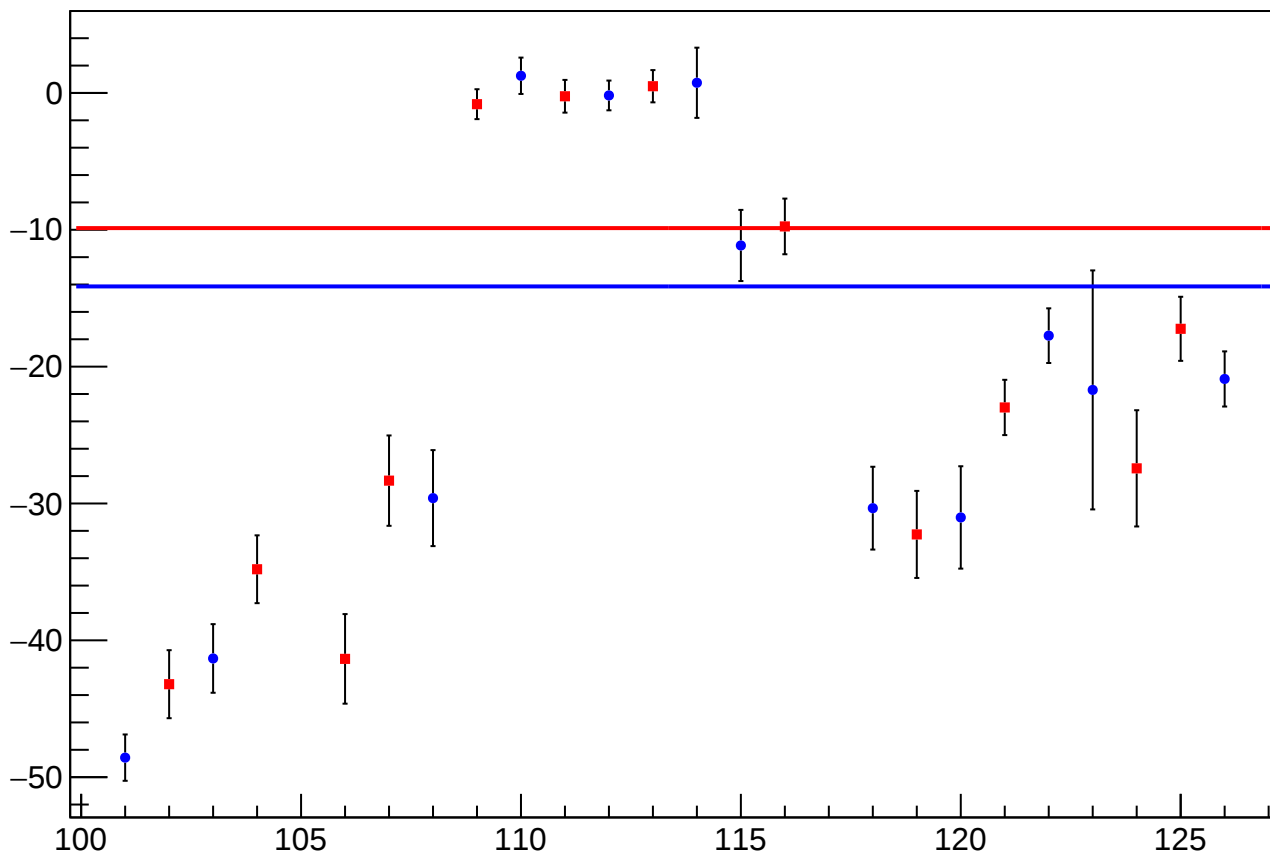
Right: 0.092+/-0.012  $\chi^2/\text{NDF}$ : 108.8/23

In: 0.096+/-0.017  $\chi^2/\text{NDF}$ : 71.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.092+/-0.012  $\chi^2/\text{NDF}$ : 108.8/23

reg\_asym\_sam\_37\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -14.138+/-0.578  $\chi^2/\text{NDF}$ : 949.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.876+/-0.528  $\chi^2/\text{NDF}$ : 734.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

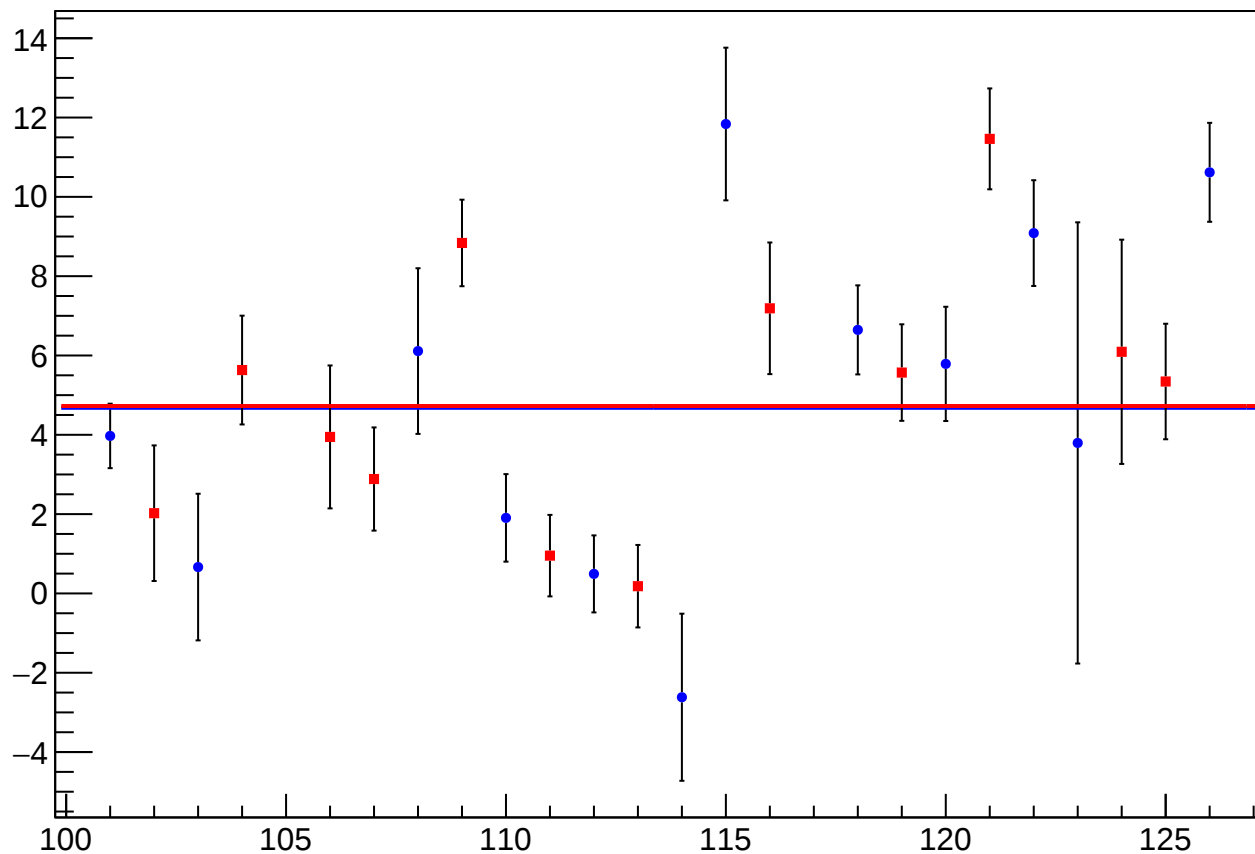
Right: -11.814+/-0.390  $\chi^2/\text{NDF}$ : 1713.0/23

In: -14.138+/-0.578  $\chi^2/\text{NDF}$ : 949.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -11.814+/-0.390  $\chi^2/\text{NDF}$ : 1713.0/23

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.681+/-0.380  $\chi^2/\text{NDF}$ : 93.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.726+/-0.385  $\chi^2/\text{NDF}$ : 83.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

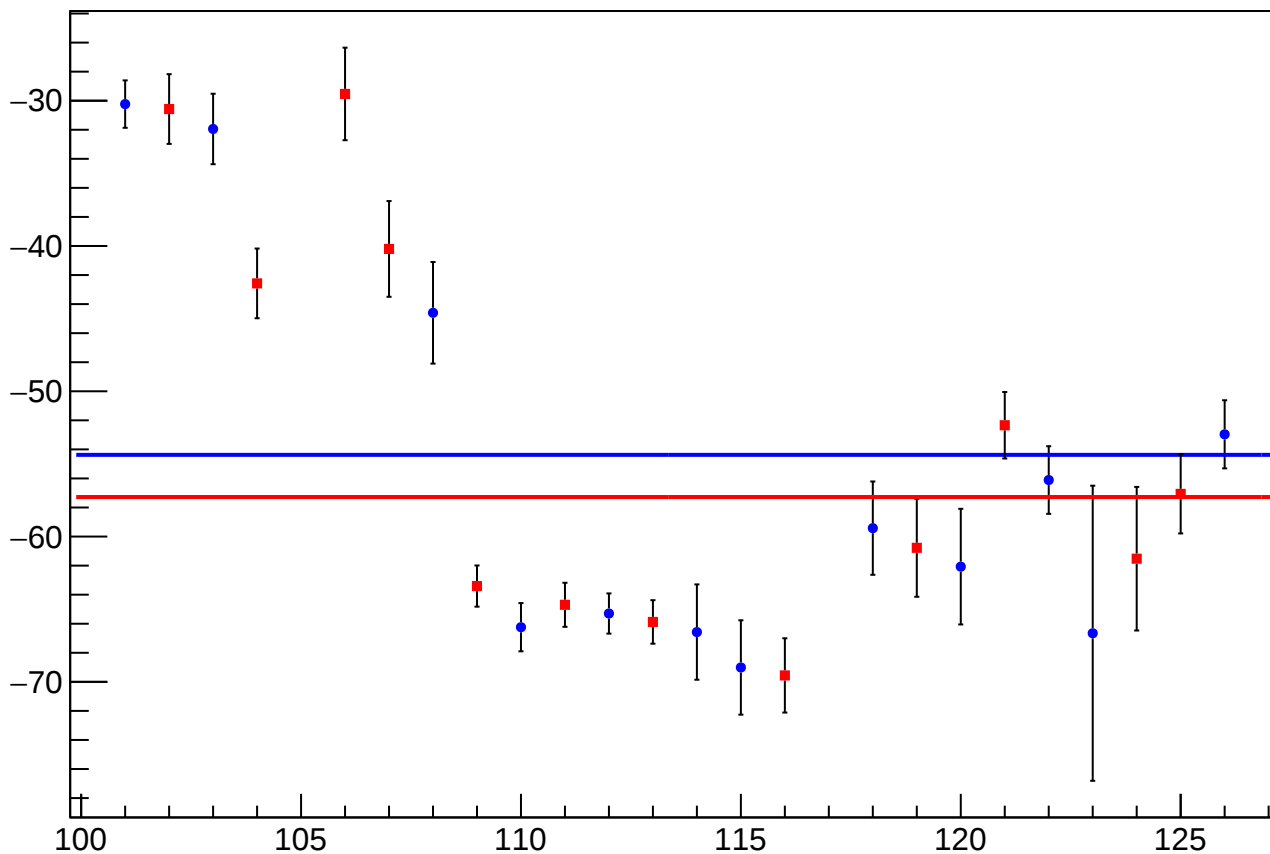
Right: 4.703+/-0.271  $\chi^2/\text{NDF}$ : 177.0/23

In: 4.681+/-0.380  $\chi^2/\text{NDF}$ : 93.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.703+/-0.271  $\chi^2/\text{NDF}$ : 177.0/23

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.376 $\pm$ 0.669  $\chi^2$ /NDF: 468.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -57.279 $\pm$ 0.629  $\chi^2$ /NDF: 369.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

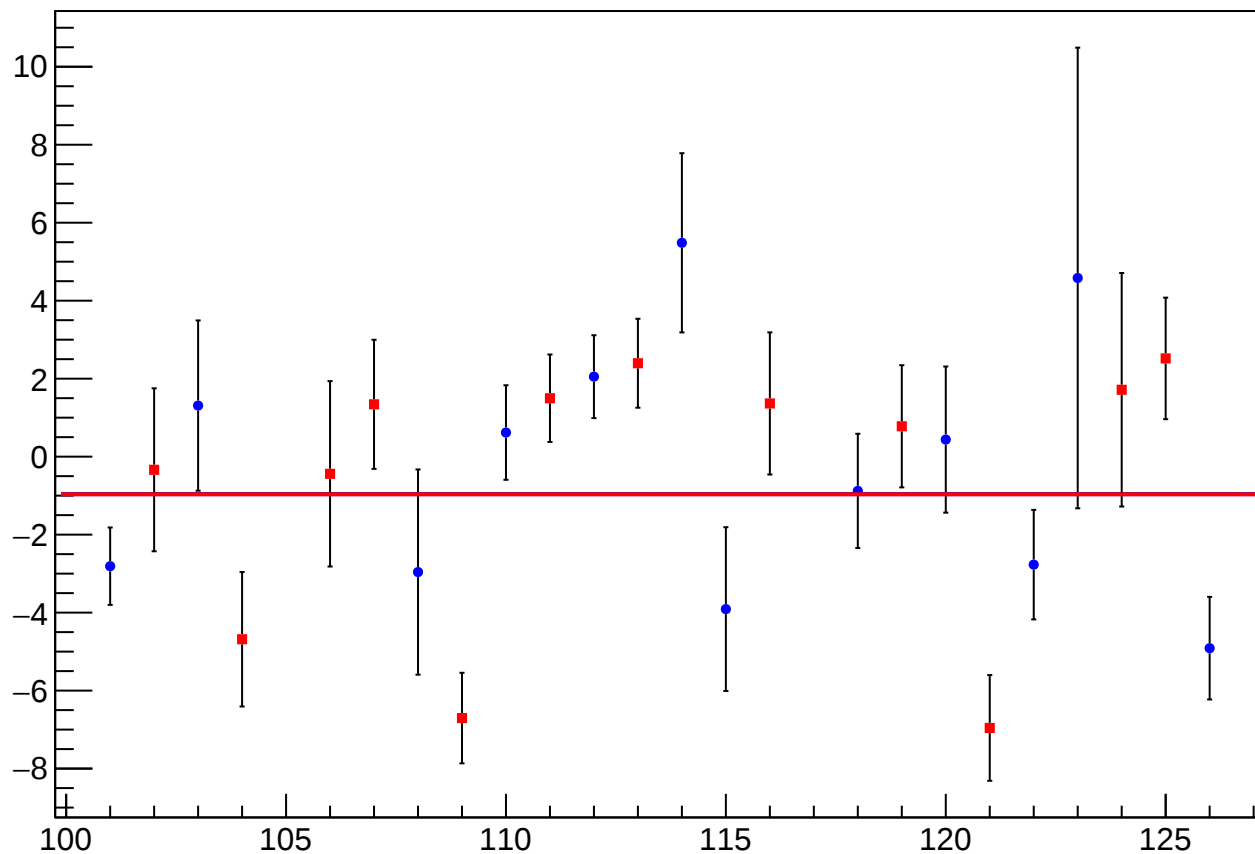
Right: -55.915 $\pm$ 0.458  $\chi^2$ /NDF: 848.0/23

In: -54.376 $\pm$ 0.669  $\chi^2$ /NDF:468.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -55.915 $\pm$ 0.458  $\chi^2$ /NDF: 848.0/23

reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -0.960+/-0.438  $\chi^2/\text{NDF}$ : 36.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.965+/-0.439  $\chi^2/\text{NDF}$ : 72.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

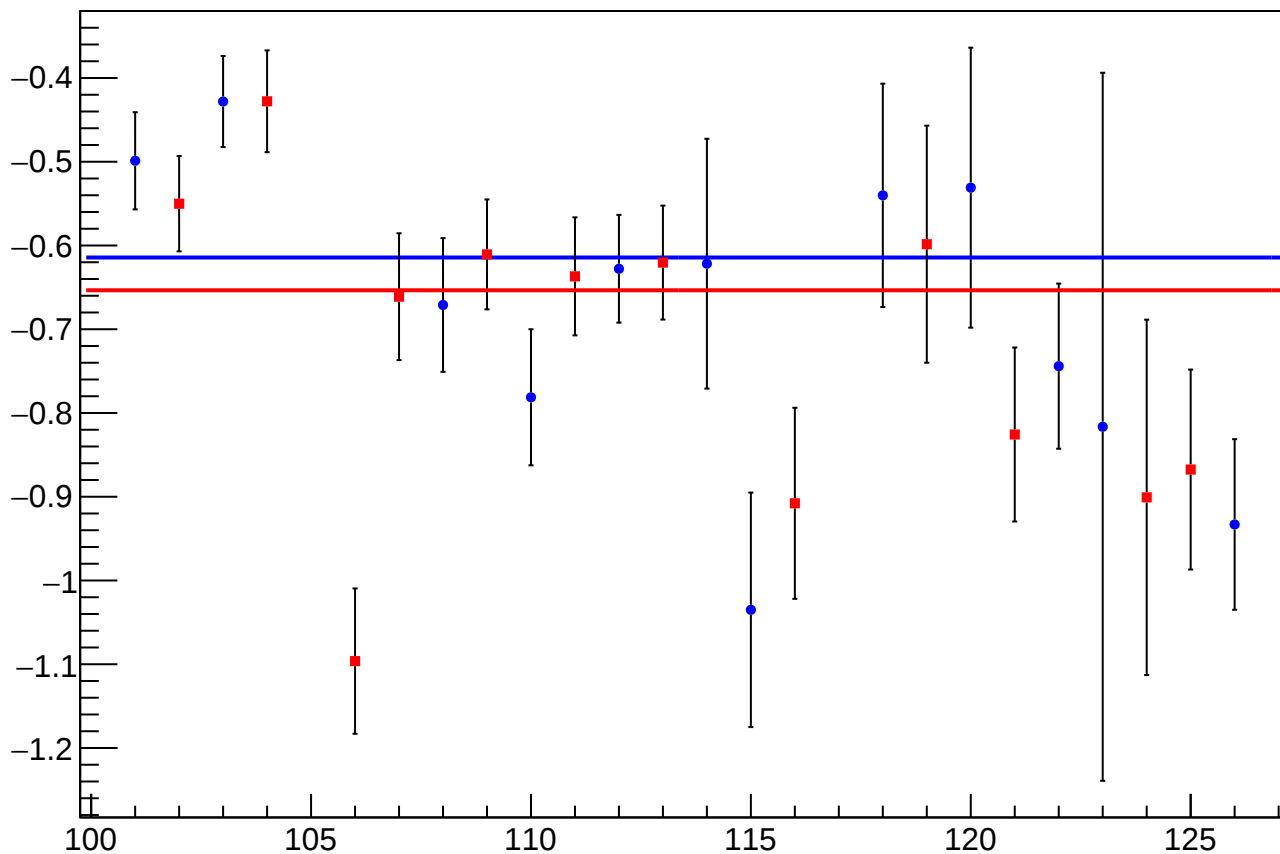
Right: -0.963+/-0.310  $\chi^2/\text{NDF}$ : 109.7/23

In: -0.960+/-0.438  $\chi^2/\text{NDF}$ :36.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.963+/-0.310  $\chi^2/\text{NDF}$ : 109.7/23

reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.614 \pm 0.025$   $\chi^2/\text{NDF}$ : 41.8/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.653 \pm 0.023$   $\chi^2/\text{NDF}$ : 56.3/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

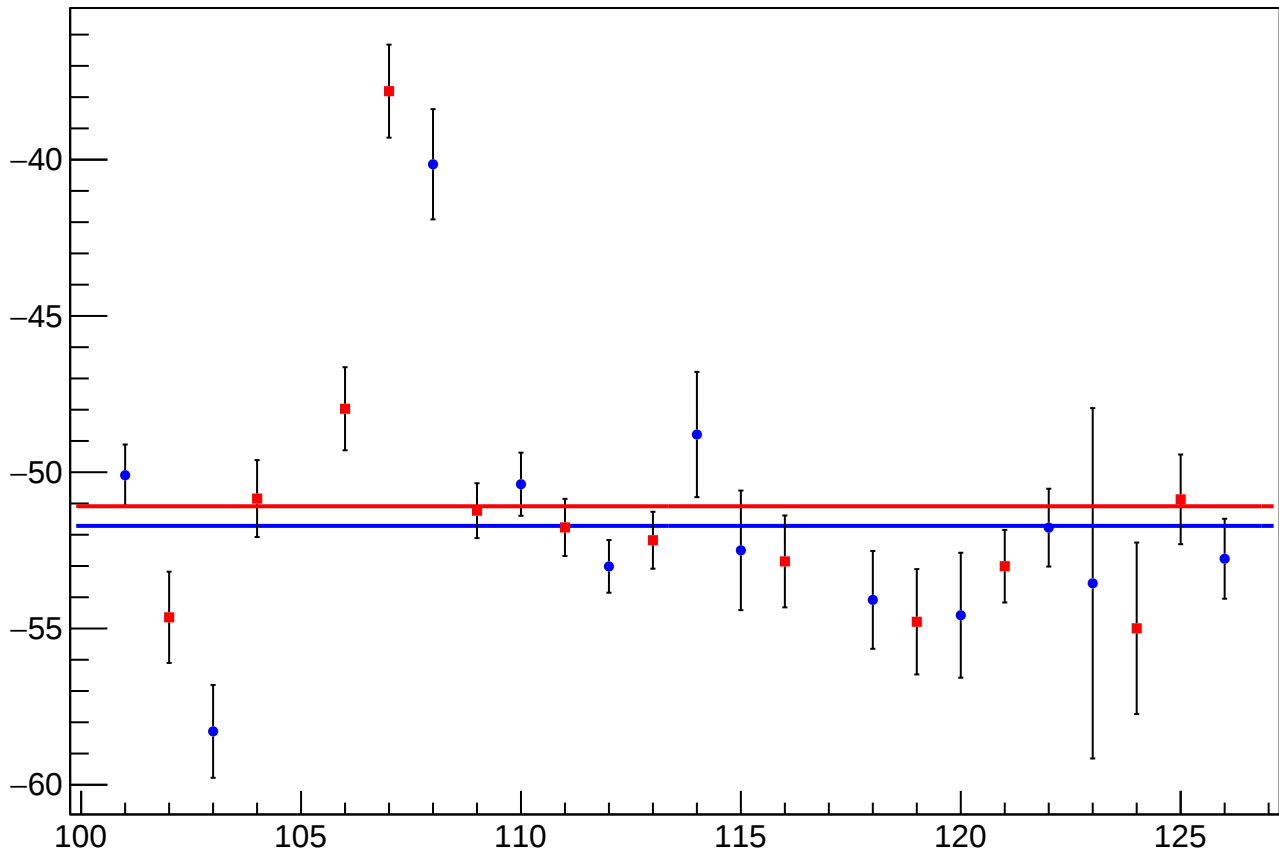
Right:  $-0.635 \pm 0.017$   $\chi^2/\text{NDF}$ : 99.4/23

In:  $-0.614 \pm 0.025$   $\chi^2/\text{NDF}$ : 41.8/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.635 \pm 0.017$   $\chi^2/\text{NDF}$ : 99.4/23

reg\_asym\_sam\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-51.717 \pm 0.387$   $\chi^2/\text{NDF}$ : 76.9/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-51.089 \pm 0.353$   $\chi^2/\text{NDF}$ : 104.2/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

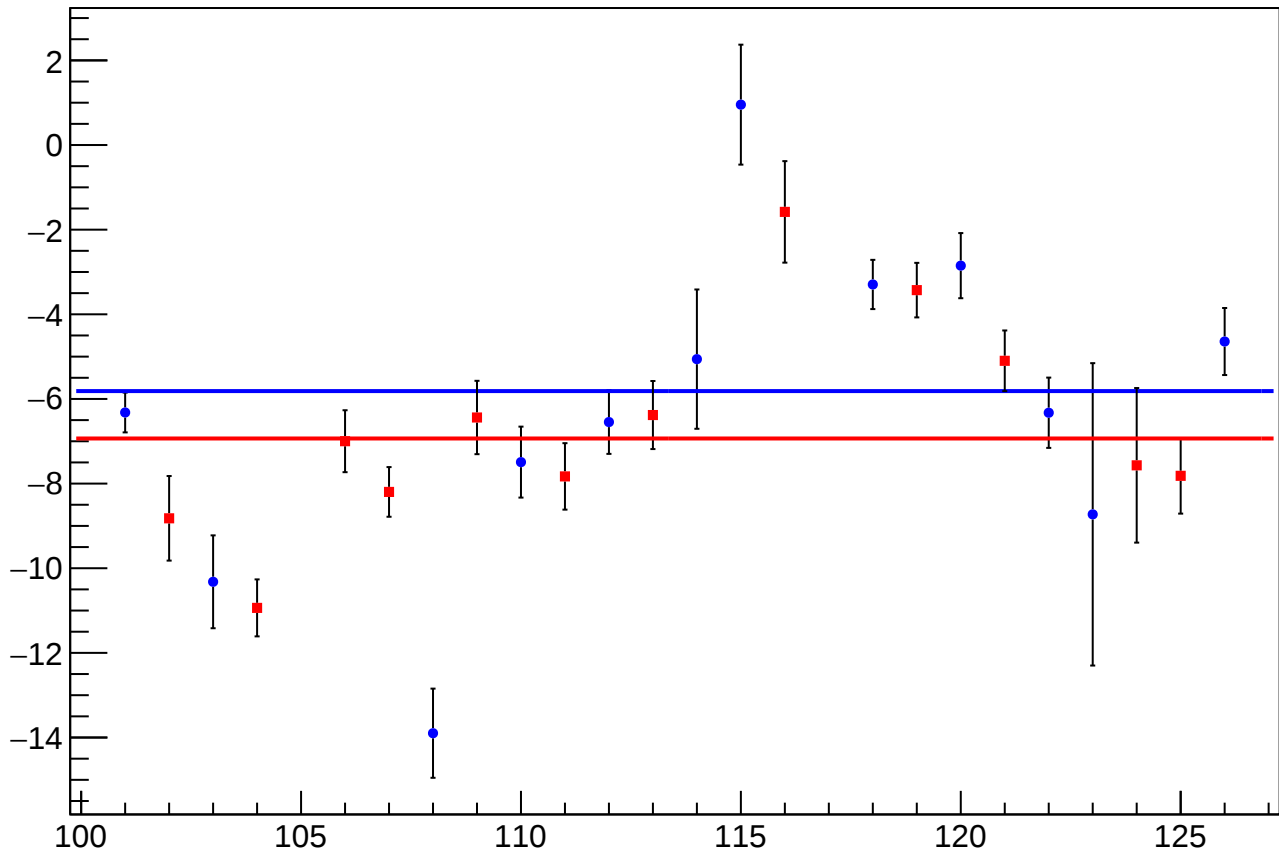
Right:  $-51.374 \pm 0.261$   $\chi^2/\text{NDF}$ : 182.5/23

In:  $-51.717 \pm 0.387$   $\chi^2/\text{NDF}$ : 76.9/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-51.374 \pm 0.261$   $\chi^2/\text{NDF}$ : 182.5/23

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-5.814 \pm 0.235$   $\chi^2/\text{NDF}: 141.7/11$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.934 \pm 0.229$   $\chi^2/\text{NDF}: 102.8/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

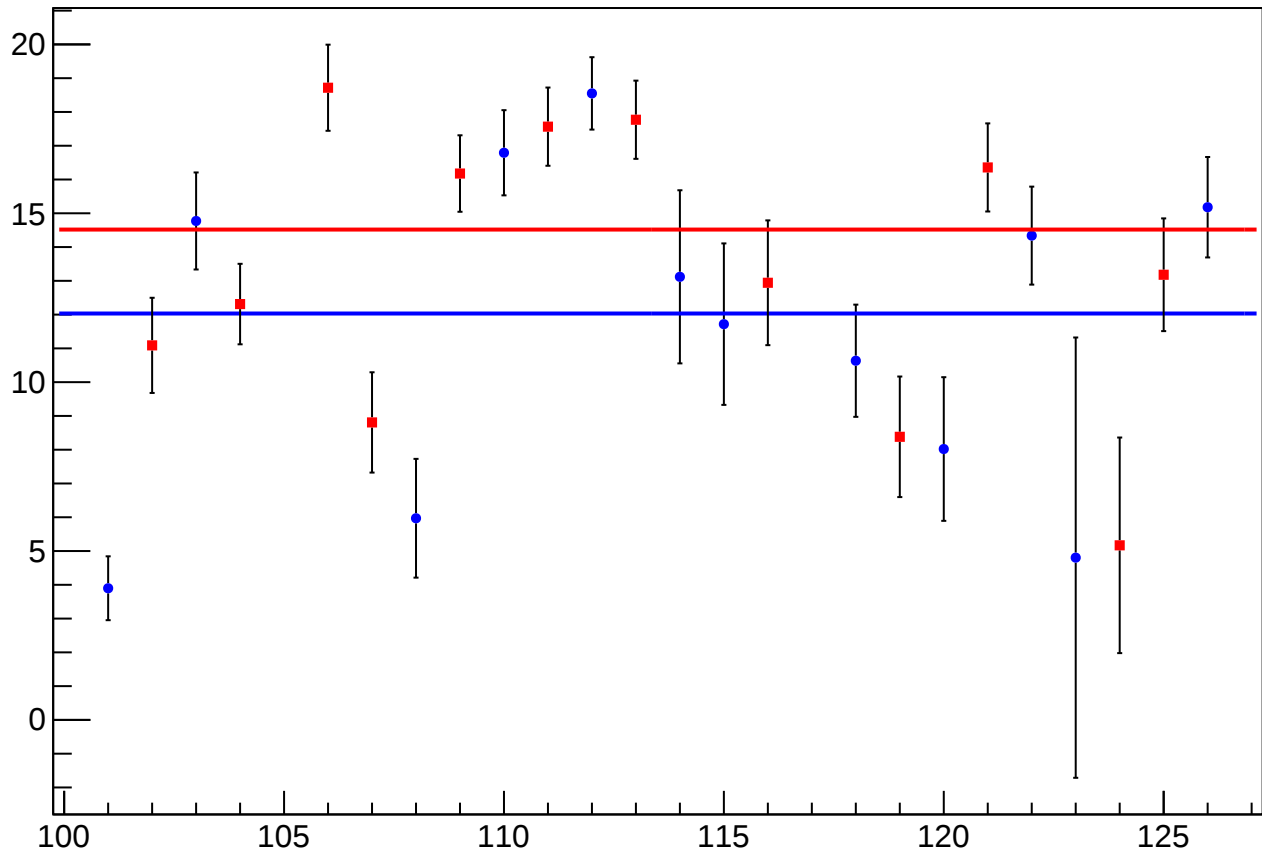
Right:  $-6.389 \pm 0.164$   $\chi^2/\text{NDF}: 256.2/23$

In:  $-5.814 \pm 0.235$   $\chi^2/\text{NDF}: 141.7/11$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-6.389 \pm 0.164$   $\chi^2/\text{NDF}: 256.2/23$

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 12.032 $\pm$ 0.435  $\chi^2$ /NDF: 153.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 14.518 $\pm$ 0.402  $\chi^2$ /NDF: 75.7/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

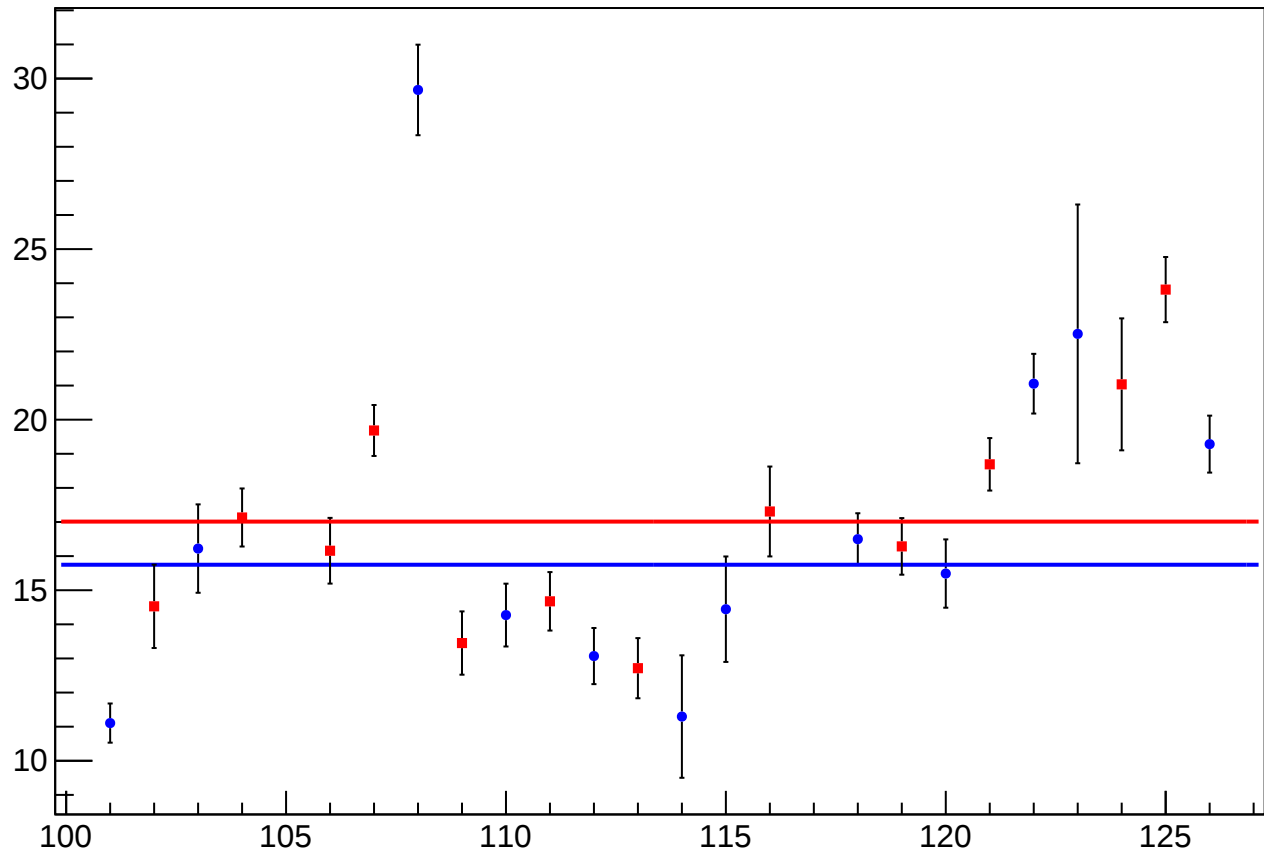
Right: 13.374 $\pm$ 0.295  $\chi^2$ /NDF: 246.8/23

In: 12.032 $\pm$ 0.435  $\chi^2$ /NDF:153.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 13.374 $\pm$ 0.295  $\chi^2$ /NDF: 246.8/23

reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 15.747 $\pm$ 0.276  $\chi^2$ /NDF: 254.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.012 $\pm$ 0.269  $\chi^2$ /NDF: 124.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

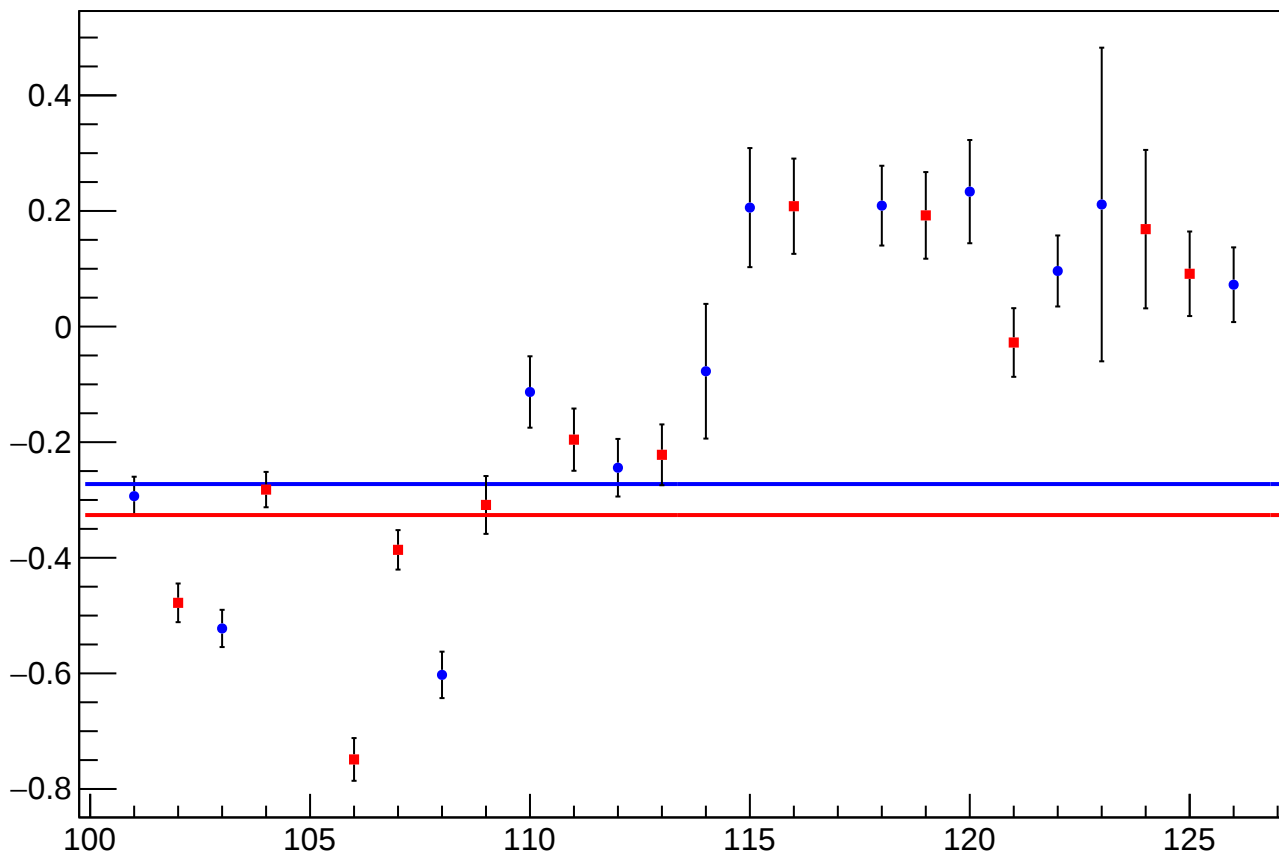
Right: 16.396 $\pm$ 0.193  $\chi^2$ /NDF: 389.4/23

In: 15.747 $\pm$ 0.276  $\chi^2$ /NDF: 254.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 16.396 $\pm$ 0.193  $\chi^2$ /NDF: 389.4/23

reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.272 $\pm$ 0.016  $\chi^2$ /NDF: 307.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.326 $\pm$ 0.013  $\chi^2$ /NDF: 327.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

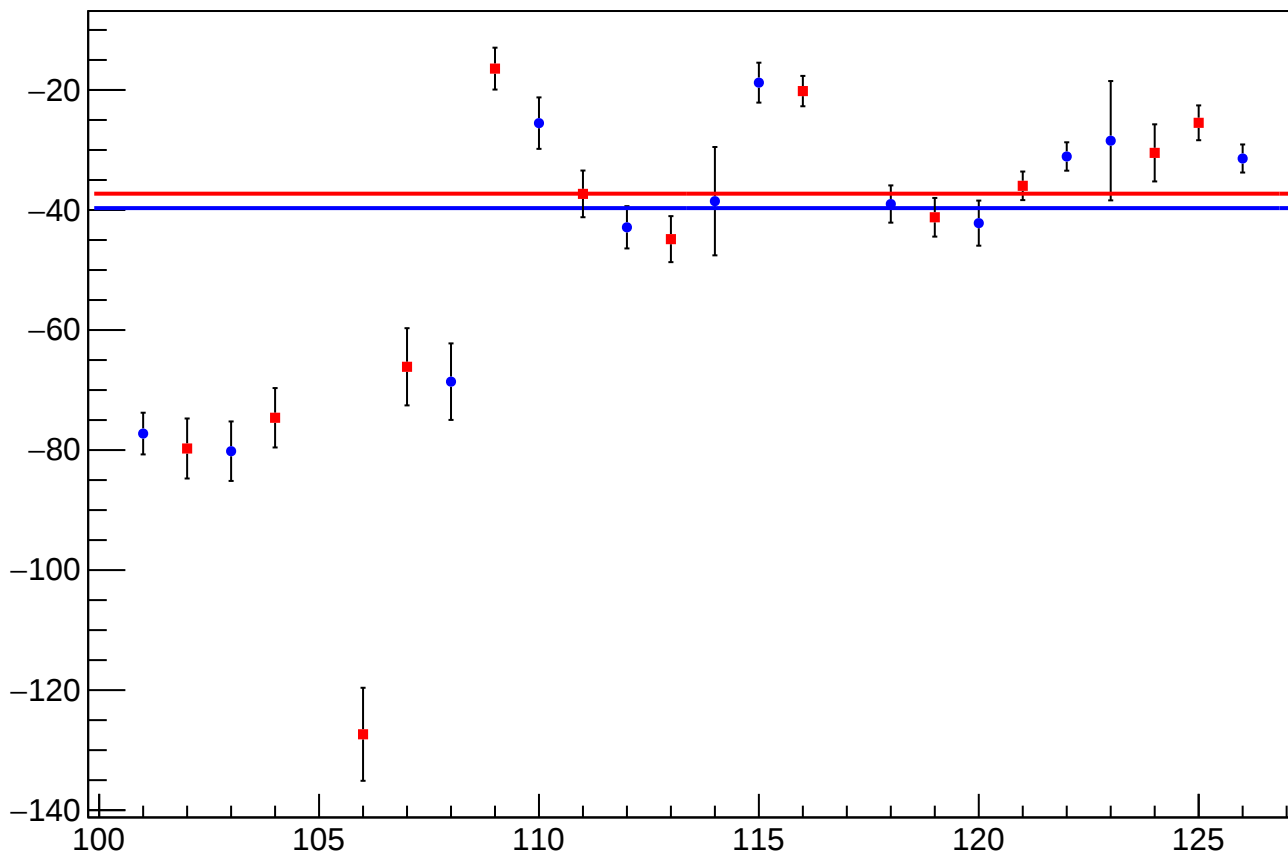
Right: -0.303 $\pm$ 0.010  $\chi^2$ /NDF: 641.9/23

In: -0.272 $\pm$ 0.016  $\chi^2$ /NDF:307.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.303 $\pm$ 0.010  $\chi^2$ /NDF: 641.9/23

reg\_asym\_sam\_26\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -39.686 $\pm$ 1.036  $\chi^2$ /NDF: 283.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -37.280 $\pm$ 1.037  $\chi^2$ /NDF: 389.8/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

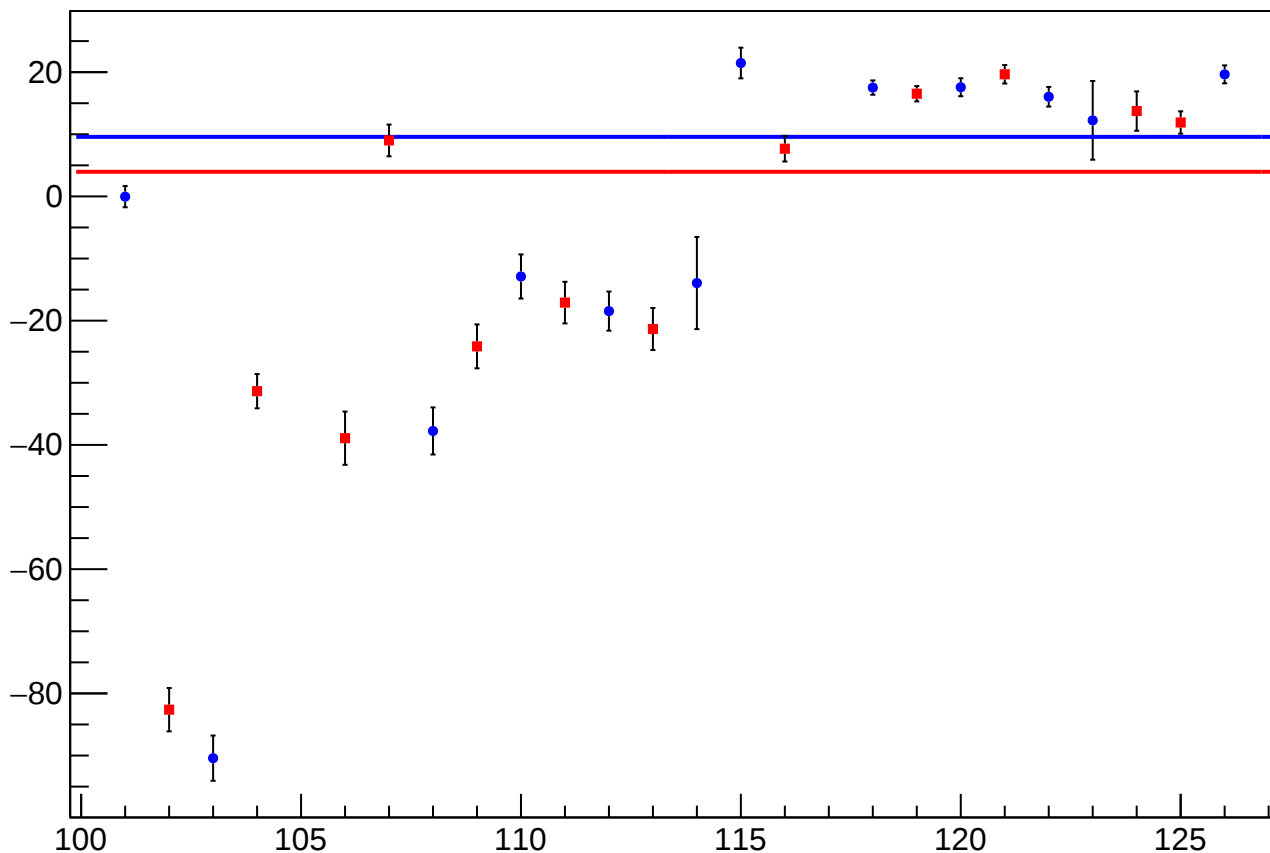
Right: -38.484 $\pm$ 0.733  $\chi^2$ /NDF: 675.6/23

In: -39.686 $\pm$ 1.036  $\chi^2$ /NDF:283.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -38.484 $\pm$ 0.733  $\chi^2$ /NDF: 675.6/23

reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.586+/-0.579  $\chi^2/\text{NDF}$ : 1237.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.962+/-0.641  $\chi^2/\text{NDF}$ : 1289.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

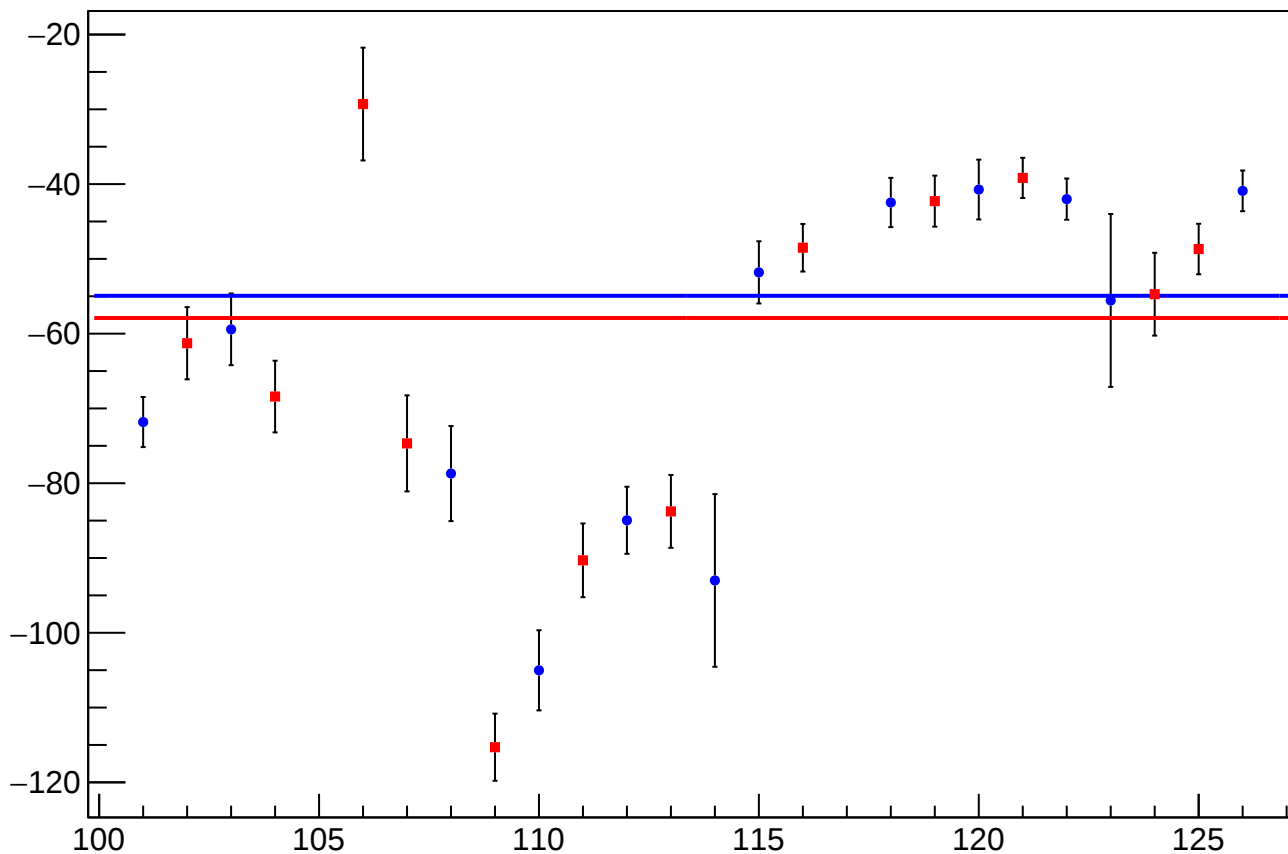
Right: 7.061+/-0.430  $\chi^2/\text{NDF}$ : 2569.3/23

In: 9.586+/-0.579  $\chi^2/\text{NDF}$ : 1237.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.061+/-0.430  $\chi^2/\text{NDF}$ : 2569.3/23

reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.936 $\pm$ 1.165  $\chi^2$ /NDF: 259.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -57.903 $\pm$ 1.191  $\chi^2$ /NDF: 347.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

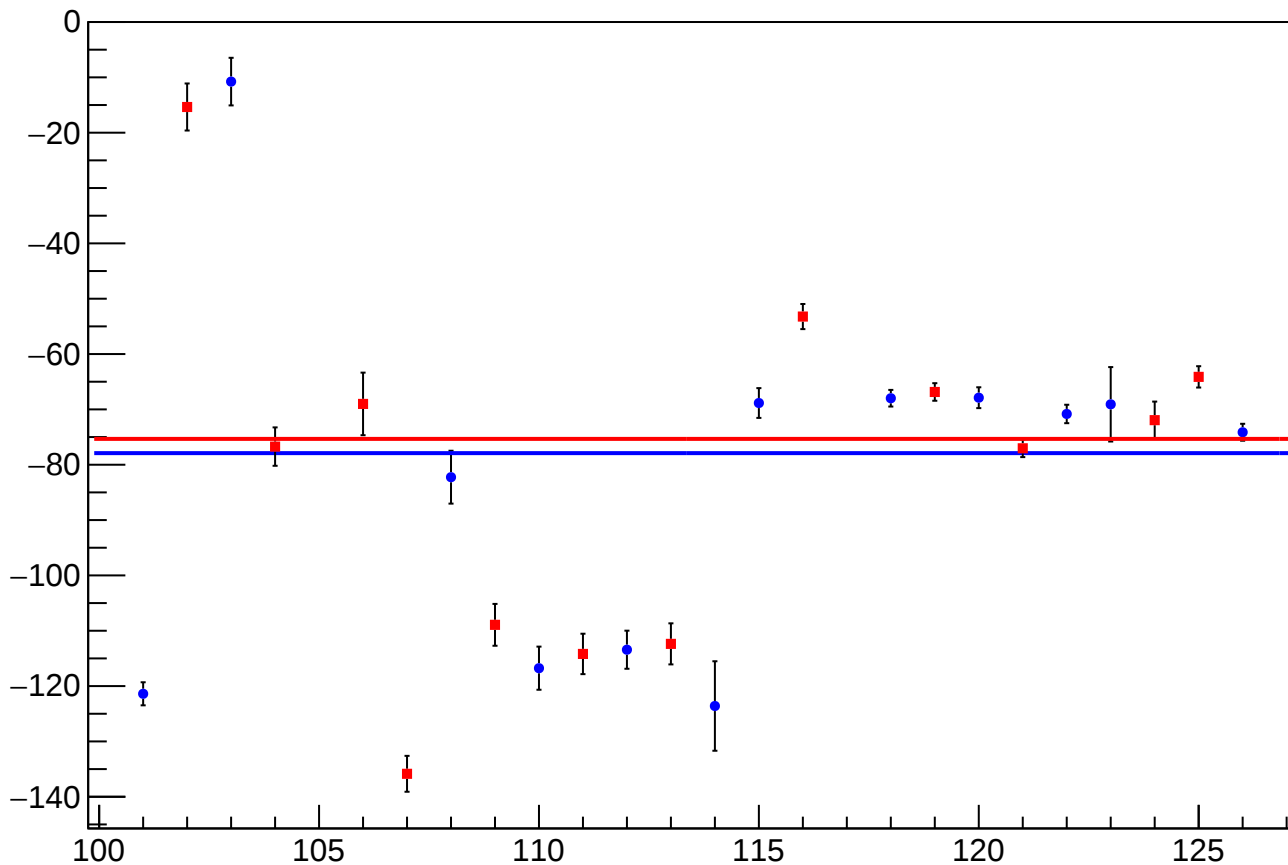
Right: -56.387 $\pm$ 0.833  $\chi^2$ /NDF: 610.0/23

In: -54.936 $\pm$ 1.165  $\chi^2$ /NDF:259.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -56.387 $\pm$ 0.833  $\chi^2$ /NDF: 610.0/23

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -77.905 $\pm$ 0.679  $\chi^2$ /NDF: 1026.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -75.331 $\pm$ 0.740  $\chi^2$ /NDF: 999.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

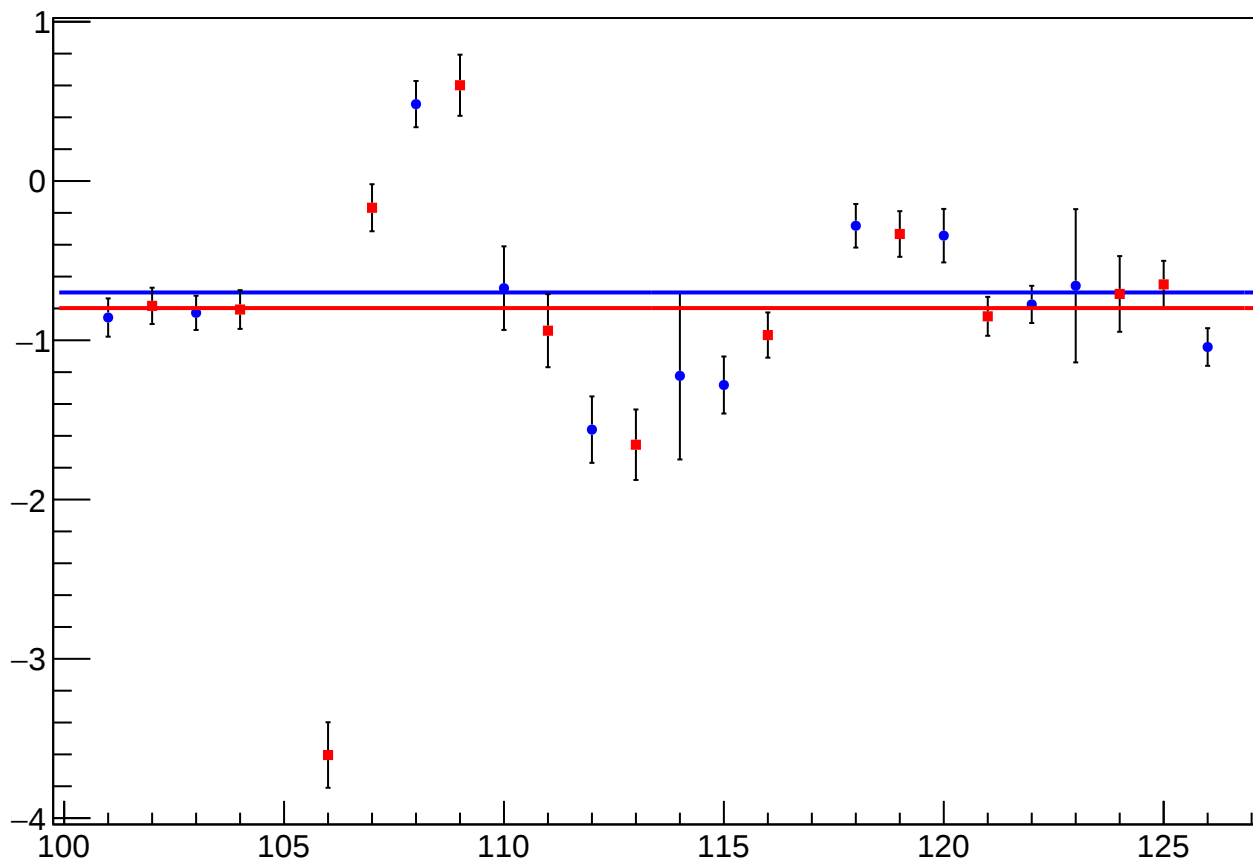
Right: -76.728 $\pm$ 0.500  $\chi^2$ /NDF: 2033.4/23

In: -77.905 $\pm$ 0.679  $\chi^2$ /NDF:1026.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -76.728 $\pm$ 0.500  $\chi^2$ /NDF: 2033.4/23

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.700+/-0.044  $\chi^2/\text{NDF}$ : 120.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.798+/-0.044  $\chi^2/\text{NDF}$ : 286.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

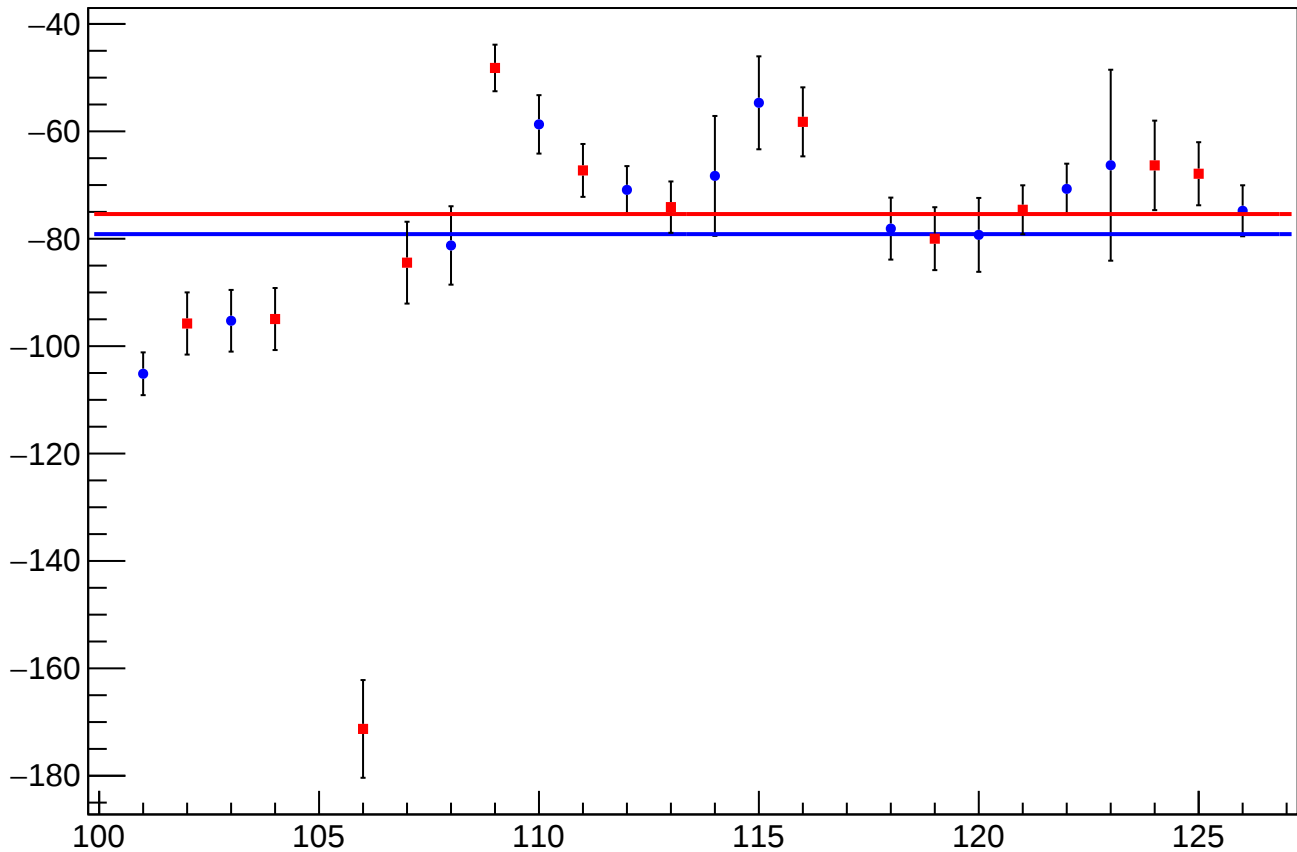
Right: -0.749+/-0.031  $\chi^2/\text{NDF}$ : 409.5/23

In: -0.700+/-0.044  $\chi^2/\text{NDF}$ : 120.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.749+/-0.031  $\chi^2/\text{NDF}$ : 409.5/23

reg\_asym\_sam\_26\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -79.139 $\pm$ 1.661  $\chi^2$ /NDF: 81.7/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -75.400 $\pm$ 1.639  $\chi^2$ /NDF: 189.0/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

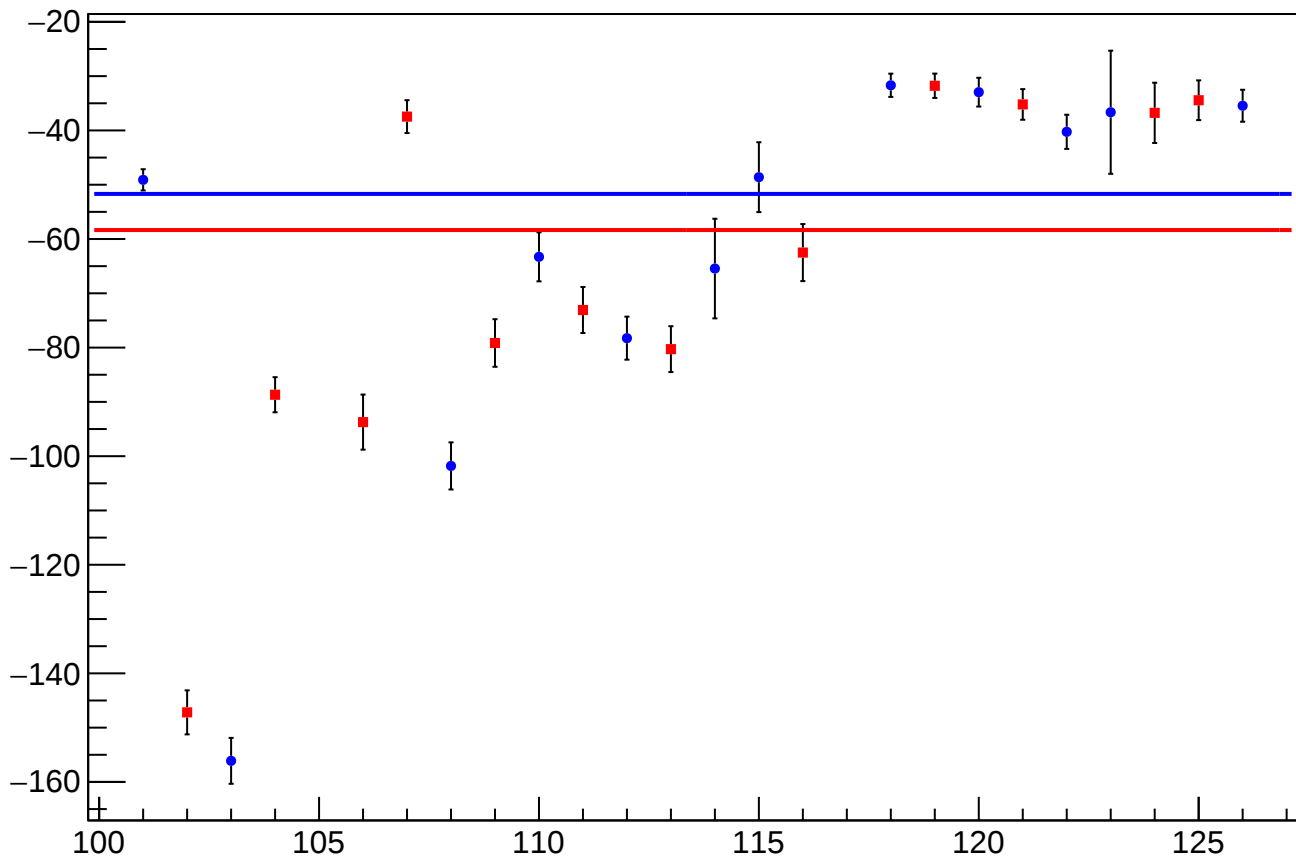
Right: -77.244 $\pm$ 1.167  $\chi^2$ /NDF: 273.3/23

In: -79.139 $\pm$ 1.661  $\chi^2$ /NDF:81.7/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -77.244 $\pm$ 1.167  $\chi^2$ /NDF: 273.3/23

reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -51.692 $\pm$ 0.952  $\chi^2$ /NDF: 982.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -58.350 $\pm$ 1.034  $\chi^2$ /NDF: 991.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

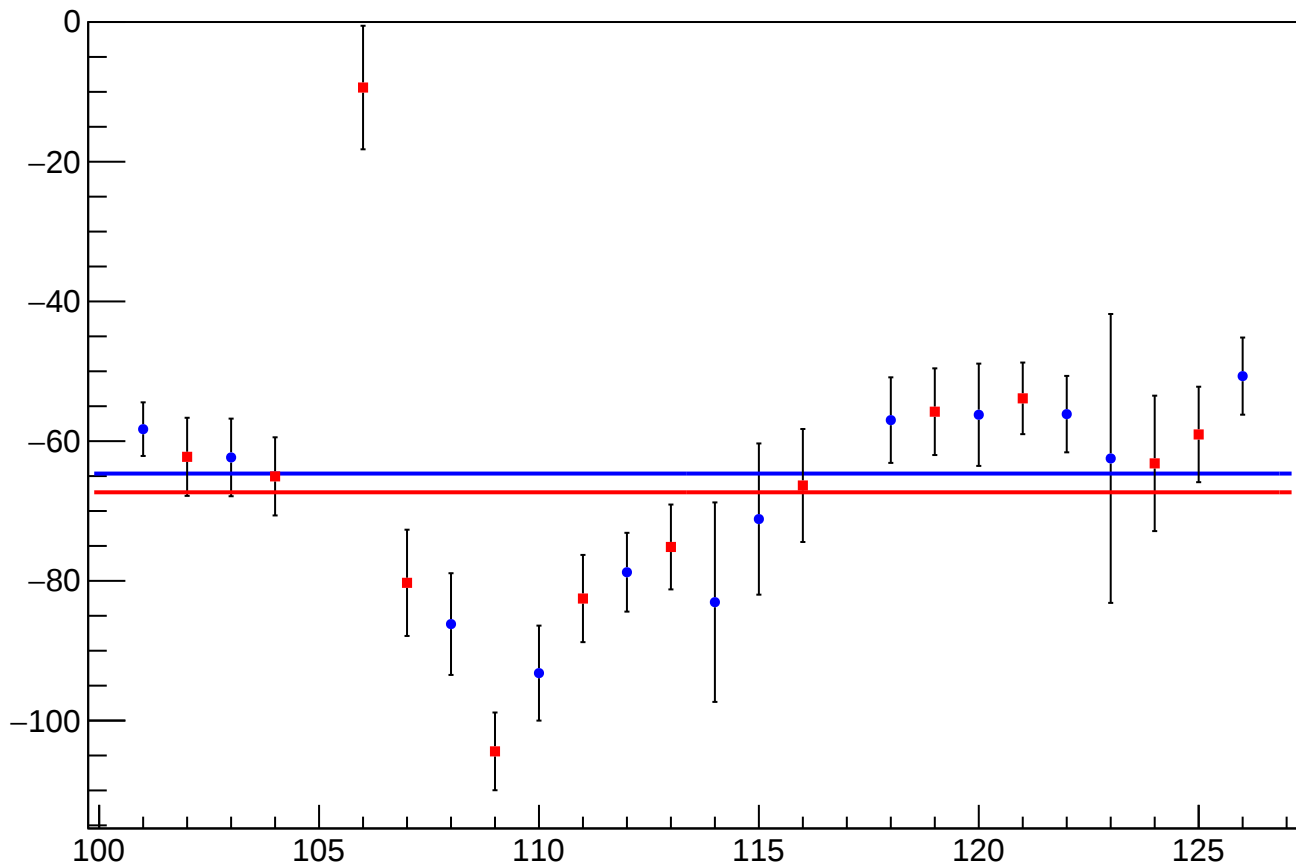
Right: -54.749 $\pm$ 0.700  $\chi^2$ /NDF: 1996.3/23

In: -51.692 $\pm$ 0.952  $\chi^2$ /NDF:982.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -54.749 $\pm$ 0.700  $\chi^2$ /NDF: 1996.3/23

reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-64.640 \pm 1.827$   $\chi^2/\text{NDF}$ : 49.3/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-67.322 \pm 1.855$   $\chi^2/\text{NDF}$ : 110.9/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

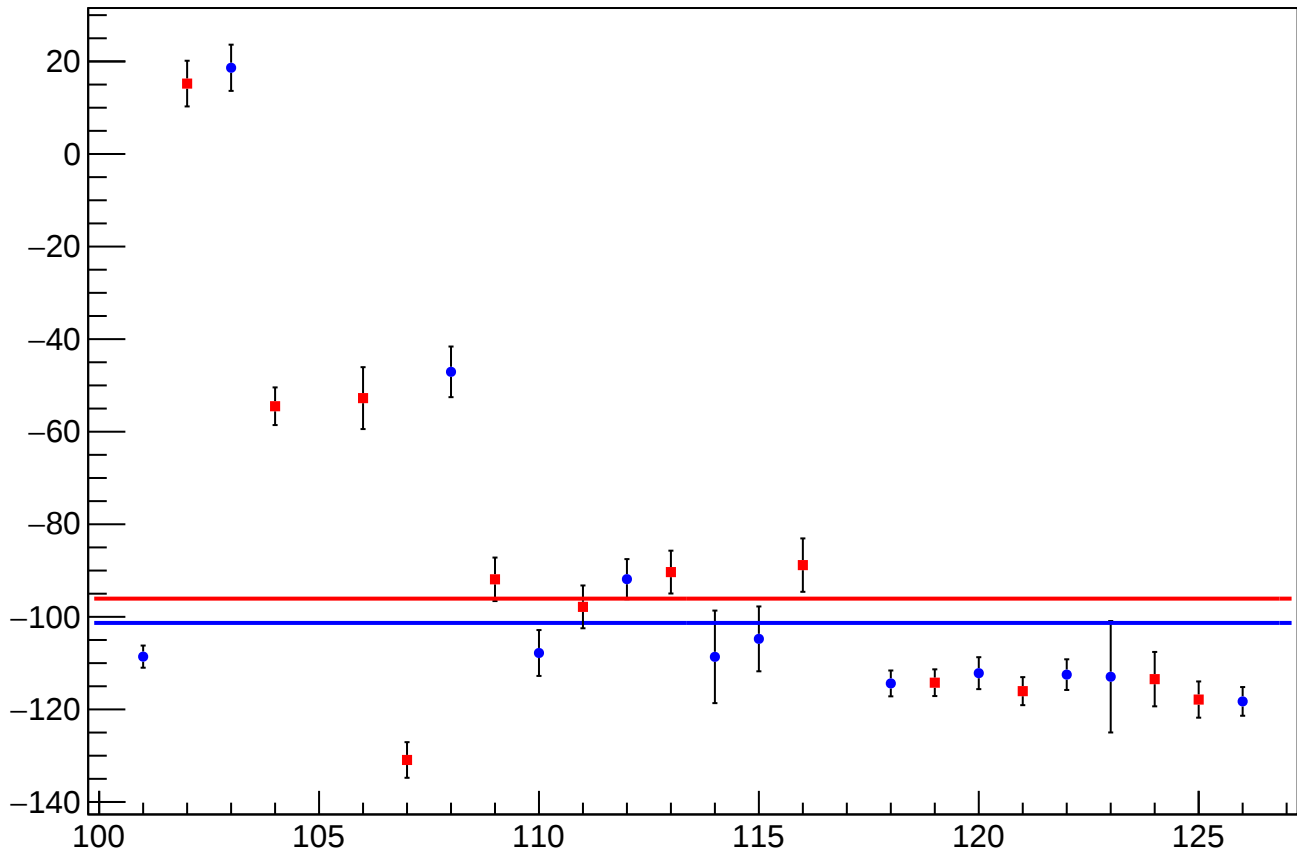
Right:  $-65.960 \pm 1.302$   $\chi^2/\text{NDF}$ : 161.3/23

In:  $-64.640 \pm 1.827$   $\chi^2/\text{NDF}$ : 49.3/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-65.960 \pm 1.302$   $\chi^2/\text{NDF}$ : 161.3/23

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -101.313+/-1.127  $\chi^2/\text{NDF}$ : 766.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -96.064+/-1.210  $\chi^2/\text{NDF}$ : 863.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

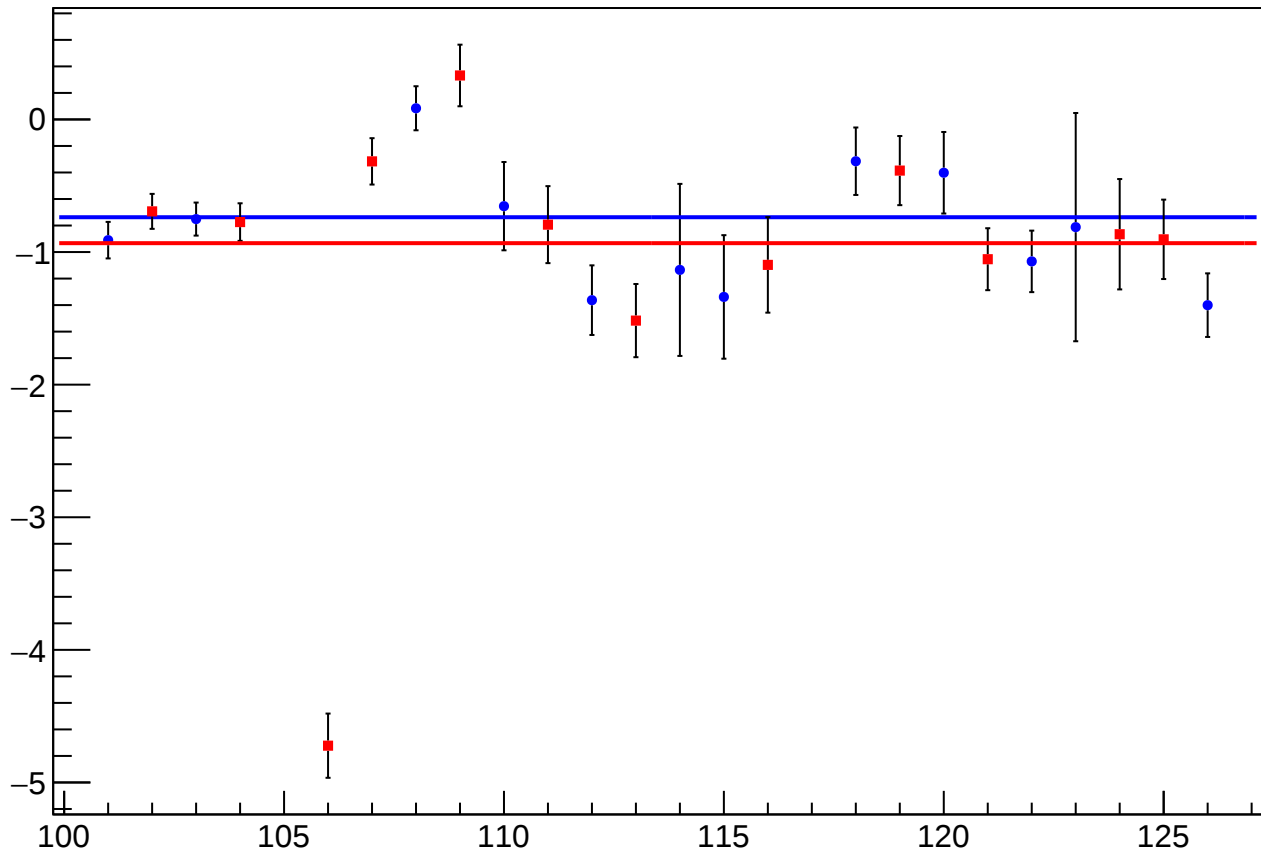
Right: -98.873+/-0.825  $\chi^2/\text{NDF}$ : 1639.8/23

In: -101.313+/-1.127  $\chi^2/\text{NDF}$ : 766.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -98.873+/-0.825  $\chi^2/\text{NDF}$ : 1639.8/23

reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.737 \pm 0.064$   $\chi^2/\text{NDF}: 47.5/11$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.933 \pm 0.062$   $\chi^2/\text{NDF}: 301.1/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

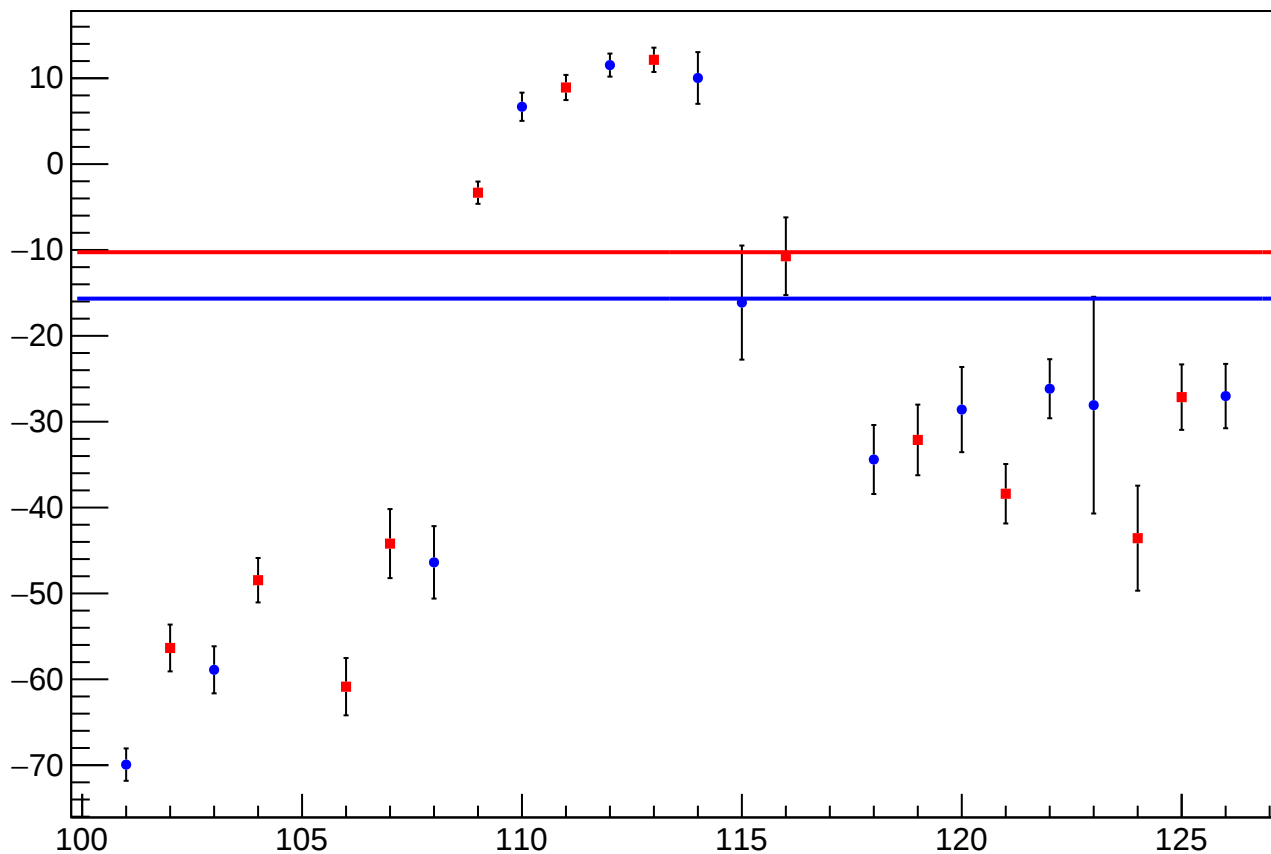
Right:  $-0.837 \pm 0.044$   $\chi^2/\text{NDF}: 353.5/23$

In:  $-0.737 \pm 0.064$   $\chi^2/\text{NDF}: 47.5/11$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.837 \pm 0.044$   $\chi^2/\text{NDF}: 353.5/23$

reg\_asym\_sam\_48\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -15.665 $\pm$ 0.746  $\chi^2$ /NDF: 1847.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -10.261 $\pm$ 0.662  $\chi^2$ /NDF: 1399.7/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

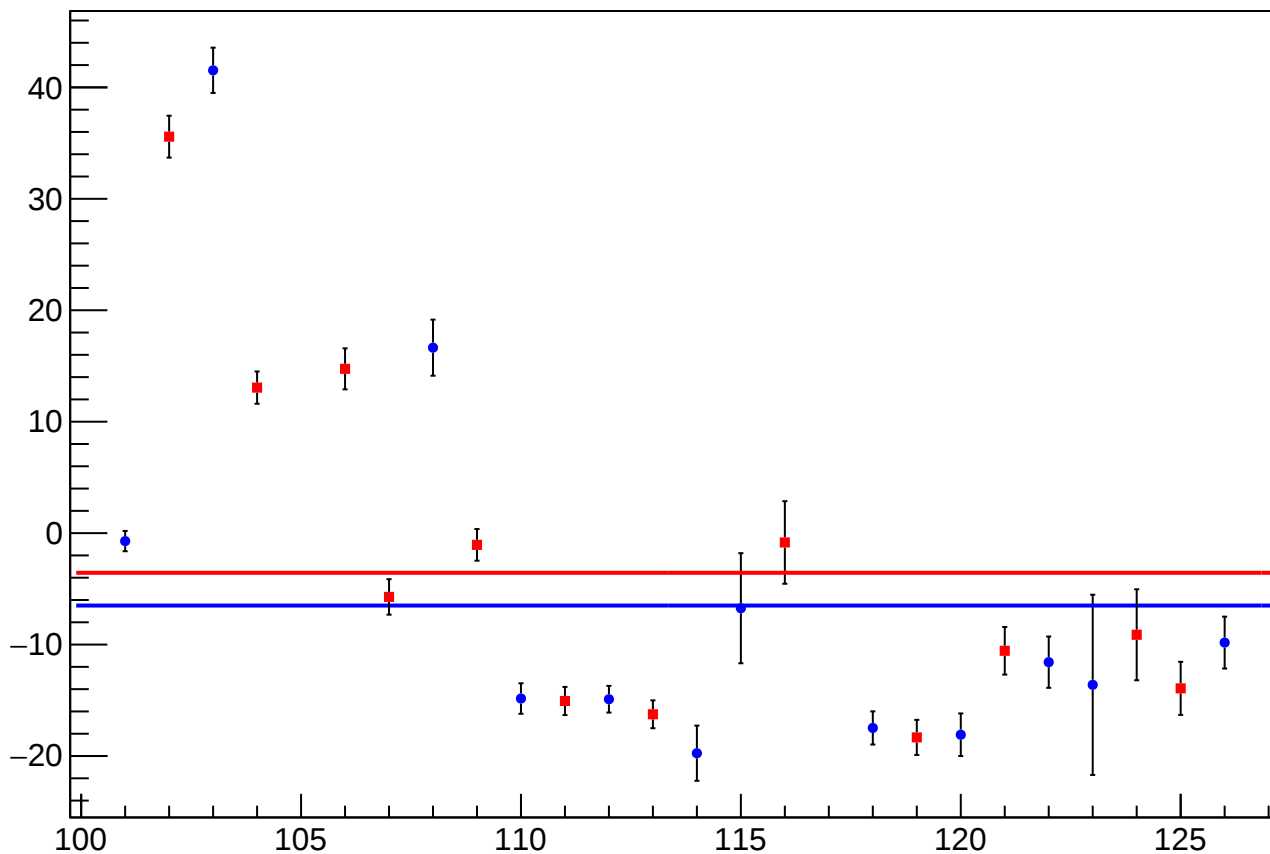
Right: -12.638 $\pm$ 0.495  $\chi^2$ /NDF: 3276.5/23

In: -15.665 $\pm$ 0.746  $\chi^2$ /NDF:1847.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -12.638 $\pm$ 0.495  $\chi^2$ /NDF: 3276.5/23

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.497+/-0.491  $\chi^2/\text{NDF}$ : 897.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -3.558+/-0.491  $\chi^2/\text{NDF}$ : 974.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

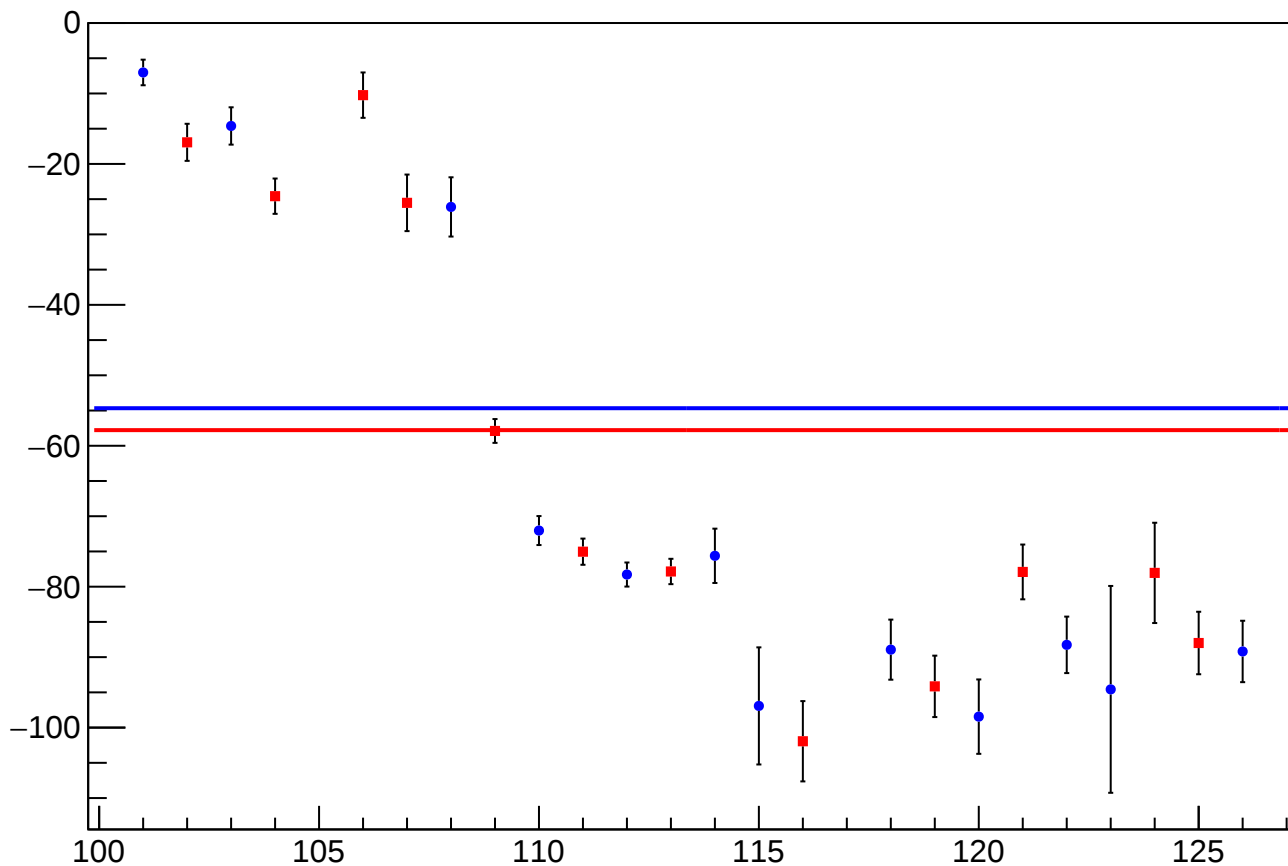
Right: -5.030+/-0.347  $\chi^2/\text{NDF}$ : 1890.3/23

In: -6.497+/-0.491  $\chi^2/\text{NDF}$ :897.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -5.030+/-0.347  $\chi^2/\text{NDF}$ : 1890.3/23

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.670 $\pm$ 0.853  $\chi^2$ /NDF: 1554.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -57.781 $\pm$ 0.783  $\chi^2$ /NDF: 1121.0/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

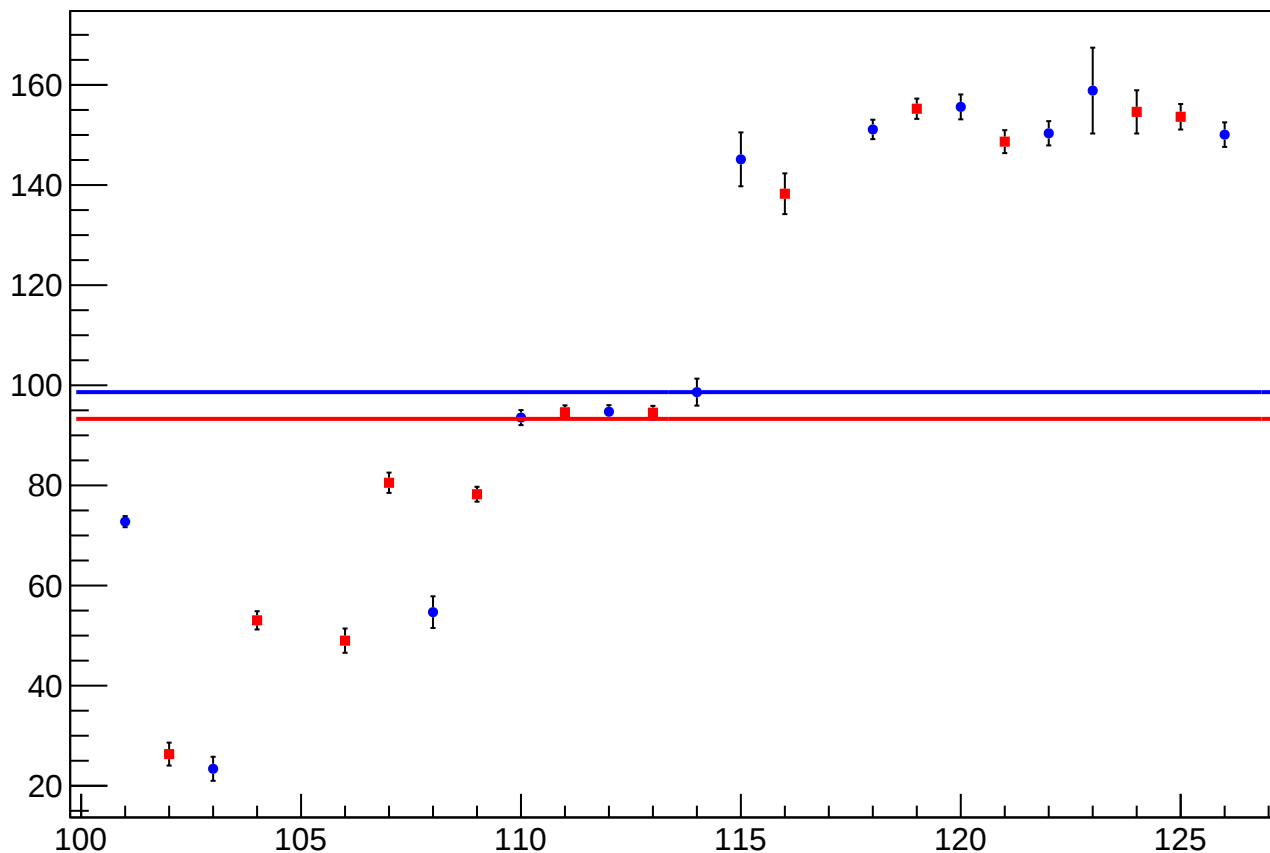
Right: -56.359 $\pm$ 0.577  $\chi^2$ /NDF: 2682.6/23

In: -54.670 $\pm$ 0.853  $\chi^2$ /NDF:1554.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -56.359 $\pm$ 0.577  $\chi^2$ /NDF: 2682.6/23

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 98.633+/-0.572  $\chi^2/\text{NDF}$ : 4011.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 93.293+/-0.566  $\chi^2/\text{NDF}$ : 4218.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

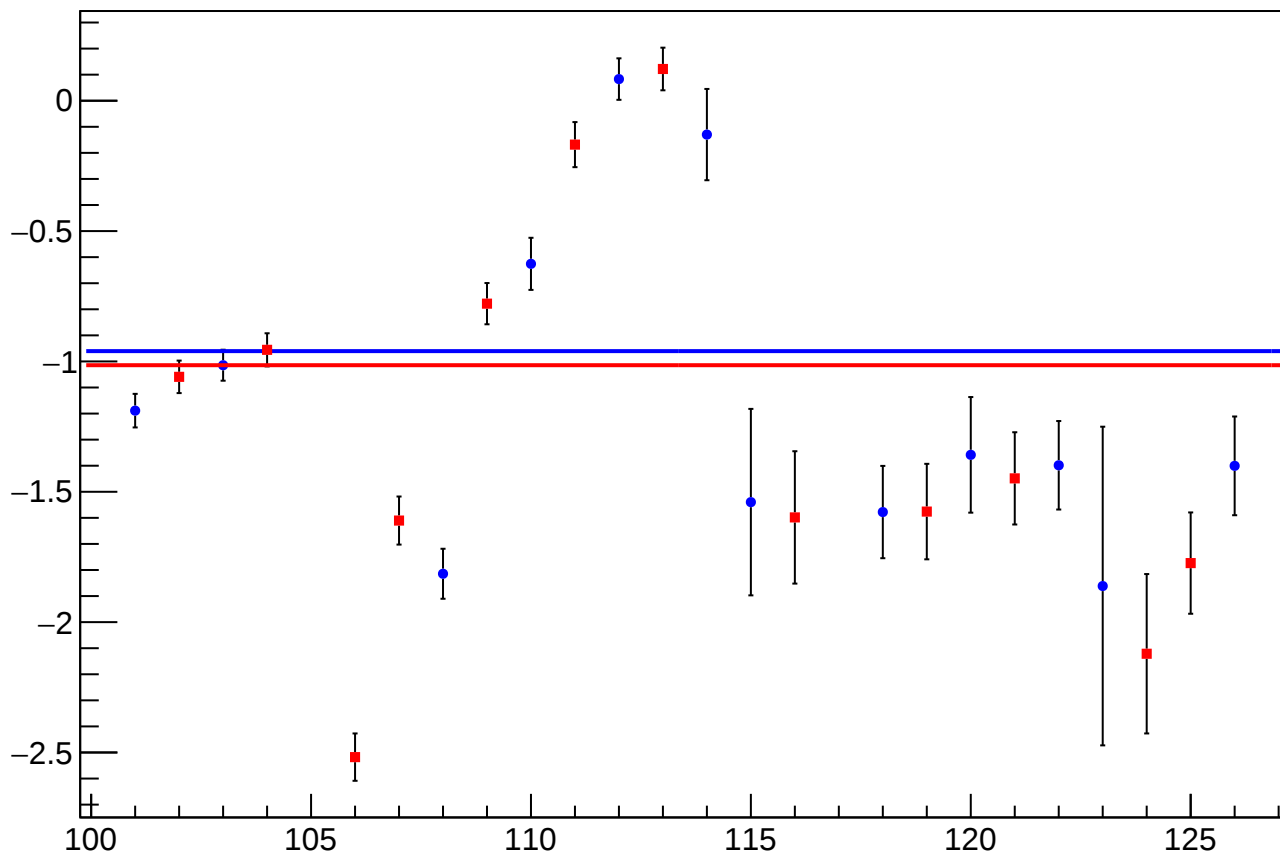
Right: 95.936+/-0.402  $\chi^2/\text{NDF}$ : 8273.6/23

In: 98.633+/-0.572  $\chi^2/\text{NDF}$ : 4011.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 95.936+/-0.402  $\chi^2/\text{NDF}$ : 8273.6/23

reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.960 \pm 0.031$   $\chi^2/\text{NDF}$ : 330.7/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.014 \pm 0.028$   $\chi^2/\text{NDF}$ : 664.0/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

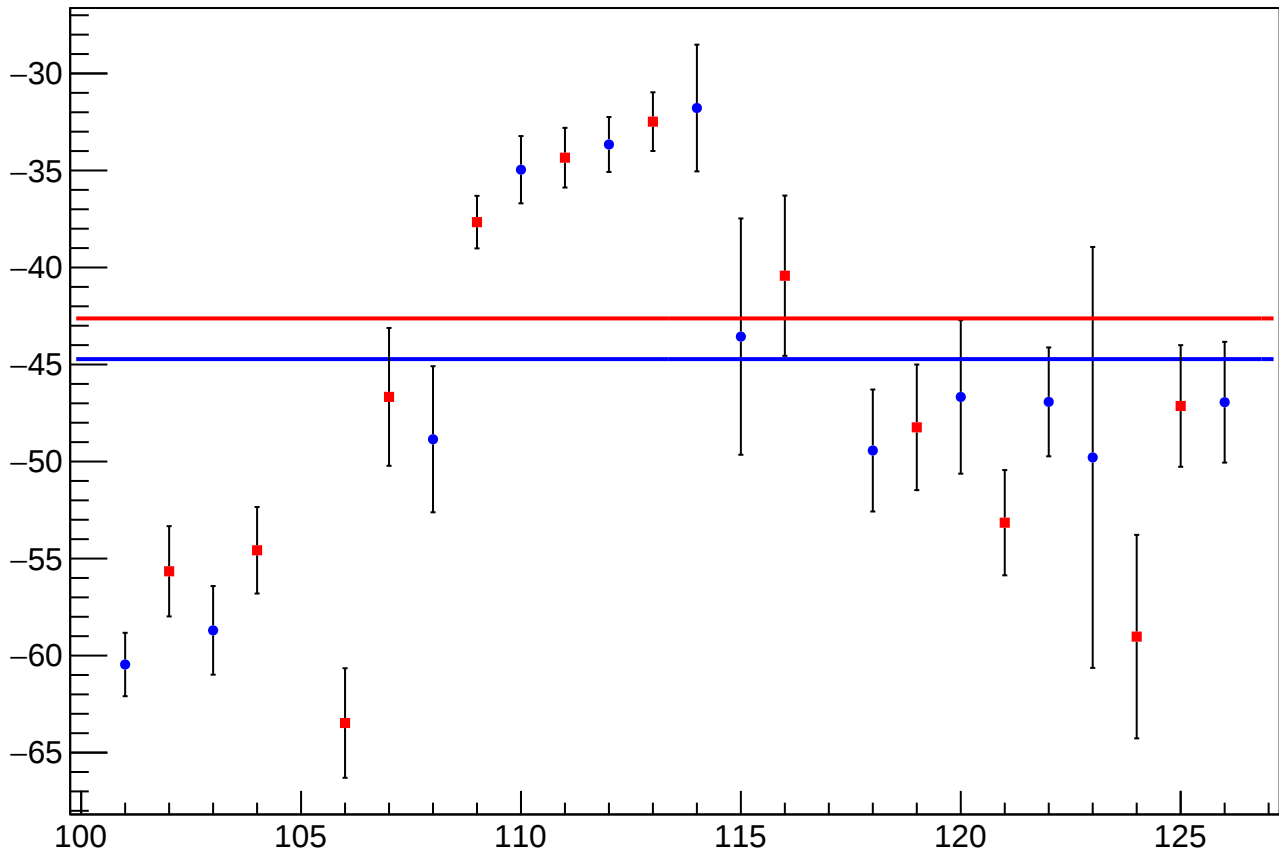
Right:  $-0.990 \pm 0.021$   $\chi^2/\text{NDF}$ : 996.4/23

In:  $-0.960 \pm 0.031$   $\chi^2/\text{NDF}$ : 330.7/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.990 \pm 0.021$   $\chi^2/\text{NDF}$ : 996.4/23

reg\_asym\_sam\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -44.721 $\pm$ 0.708  $\chi^2$ /NDF: 243.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -42.624 $\pm$ 0.642  $\chi^2$ /NDF: 233.5/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

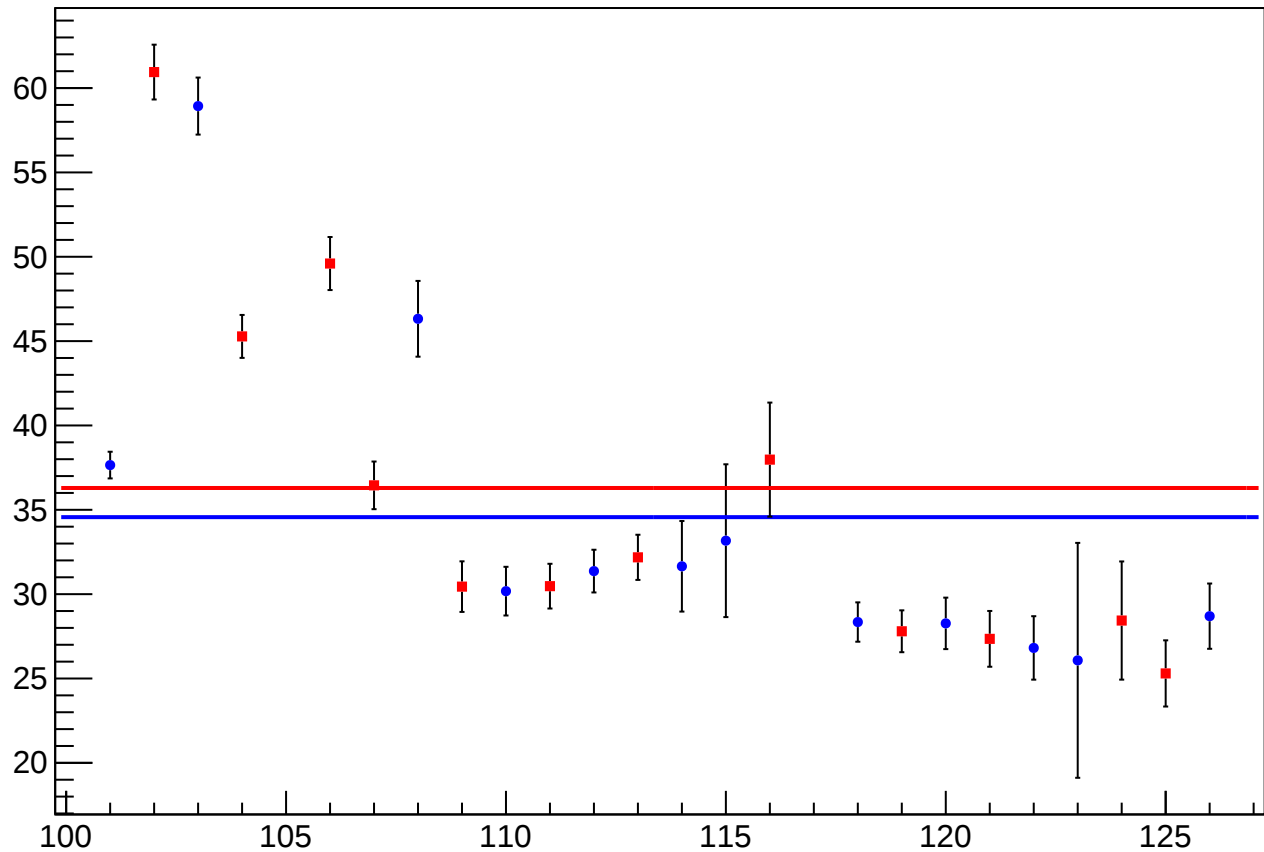
Right: -43.571 $\pm$ 0.476  $\chi^2$ /NDF: 482.2/23

In: -44.721 $\pm$ 0.708  $\chi^2$ /NDF:243.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -43.571 $\pm$ 0.476  $\chi^2$ /NDF: 482.2/23

reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 34.565+/-0.440  $\chi^2/\text{NDF}$ : 340.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 36.294+/-0.451  $\chi^2/\text{NDF}$ : 508.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

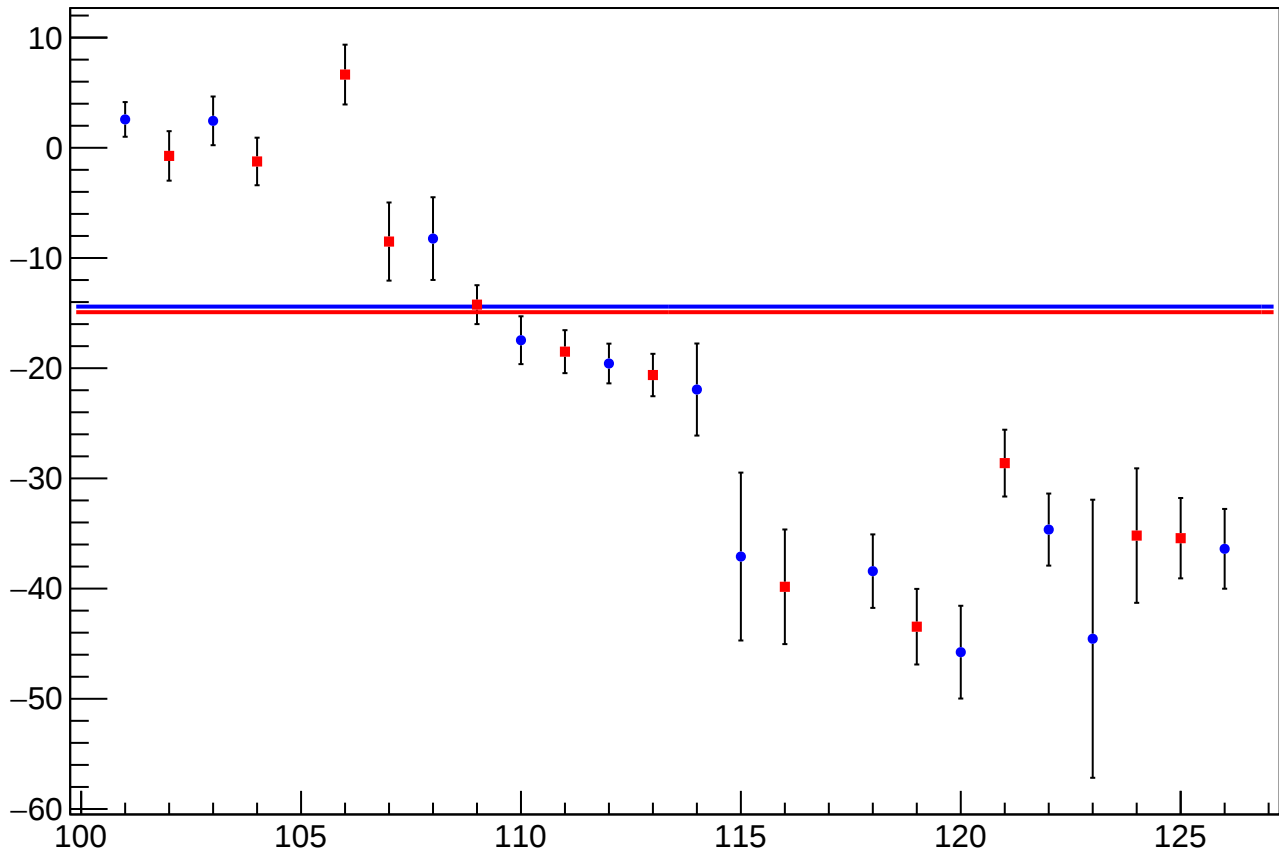
Right: 35.408+/-0.315  $\chi^2/\text{NDF}$ : 856.5/23

In: 34.565+/-0.440  $\chi^2/\text{NDF}$ : 340.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 35.408+/-0.315  $\chi^2/\text{NDF}$ : 856.5/23

reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-14.411 \pm 0.791$   $\chi^2/\text{NDF}$ : 387.9/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-14.918 \pm 0.742$   $\chi^2/\text{NDF}$ : 314.0/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

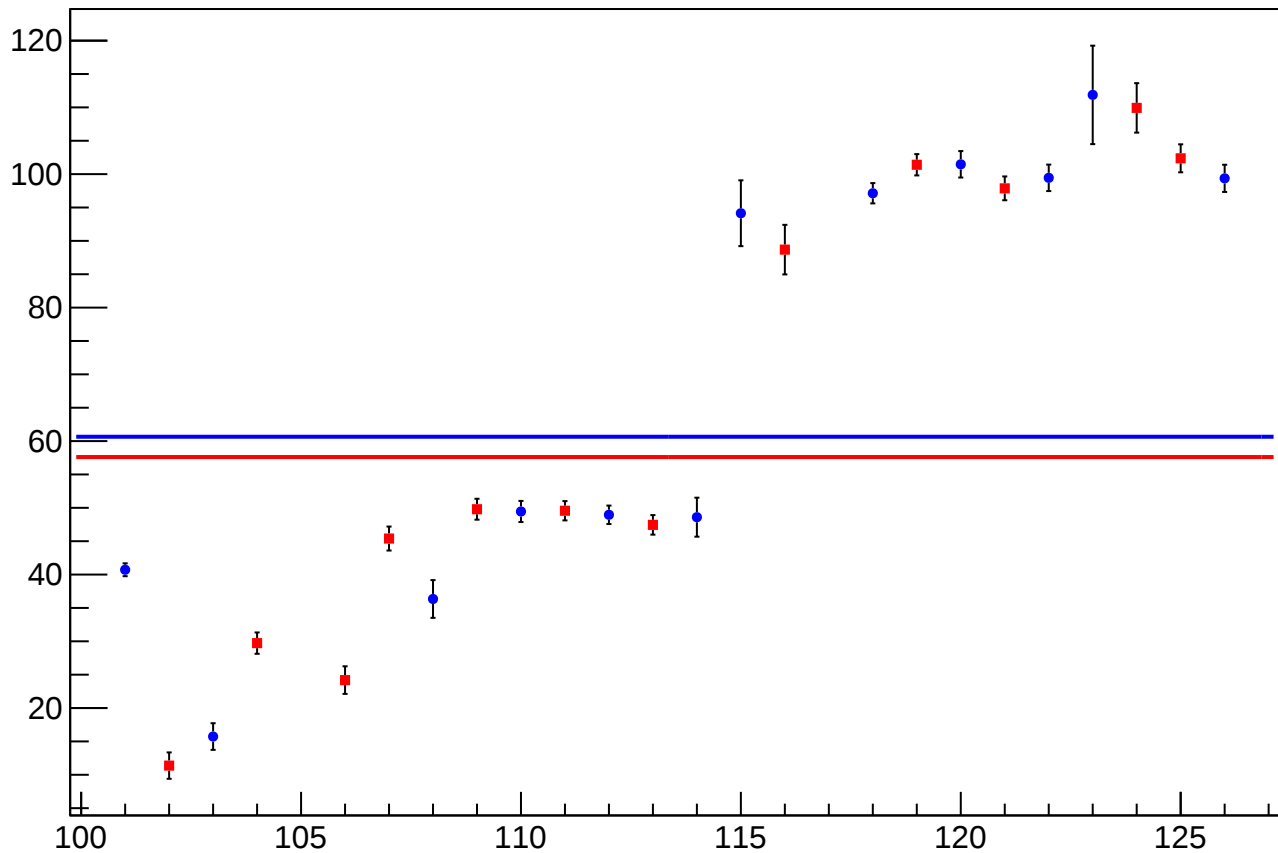
Right:  $-14.680 \pm 0.541$   $\chi^2/\text{NDF}$ : 702.1/23

In:  $-14.411 \pm 0.791$   $\chi^2/\text{NDF}$ : 387.9/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-14.680 \pm 0.541$   $\chi^2/\text{NDF}$ : 702.1/23

reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 60.652+/-0.518  $\chi^2/\text{NDF}$ : 2984.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 57.610+/-0.525  $\chi^2/\text{NDF}$ : 3250.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

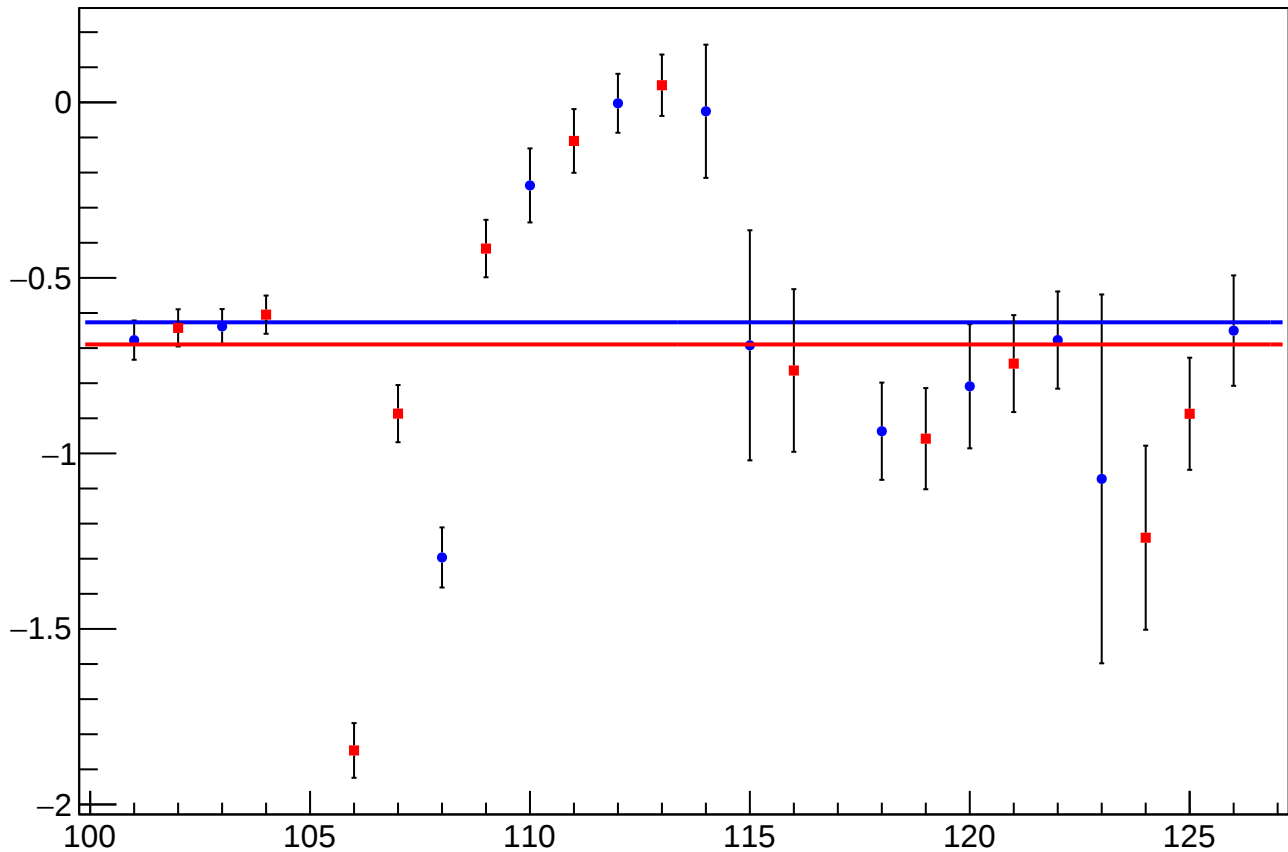
Right: 59.153+/-0.369  $\chi^2/\text{NDF}$ : 6252.3/23

In: 60.652+/-0.518  $\chi^2/\text{NDF}$ : 2984.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 59.153+/-0.369  $\chi^2/\text{NDF}$ : 6252.3/23

reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.627 \pm 0.028$   $\chi^2/\text{NDF}$ : 148.1/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.690 \pm 0.025$   $\chi^2/\text{NDF}$ : 362.3/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

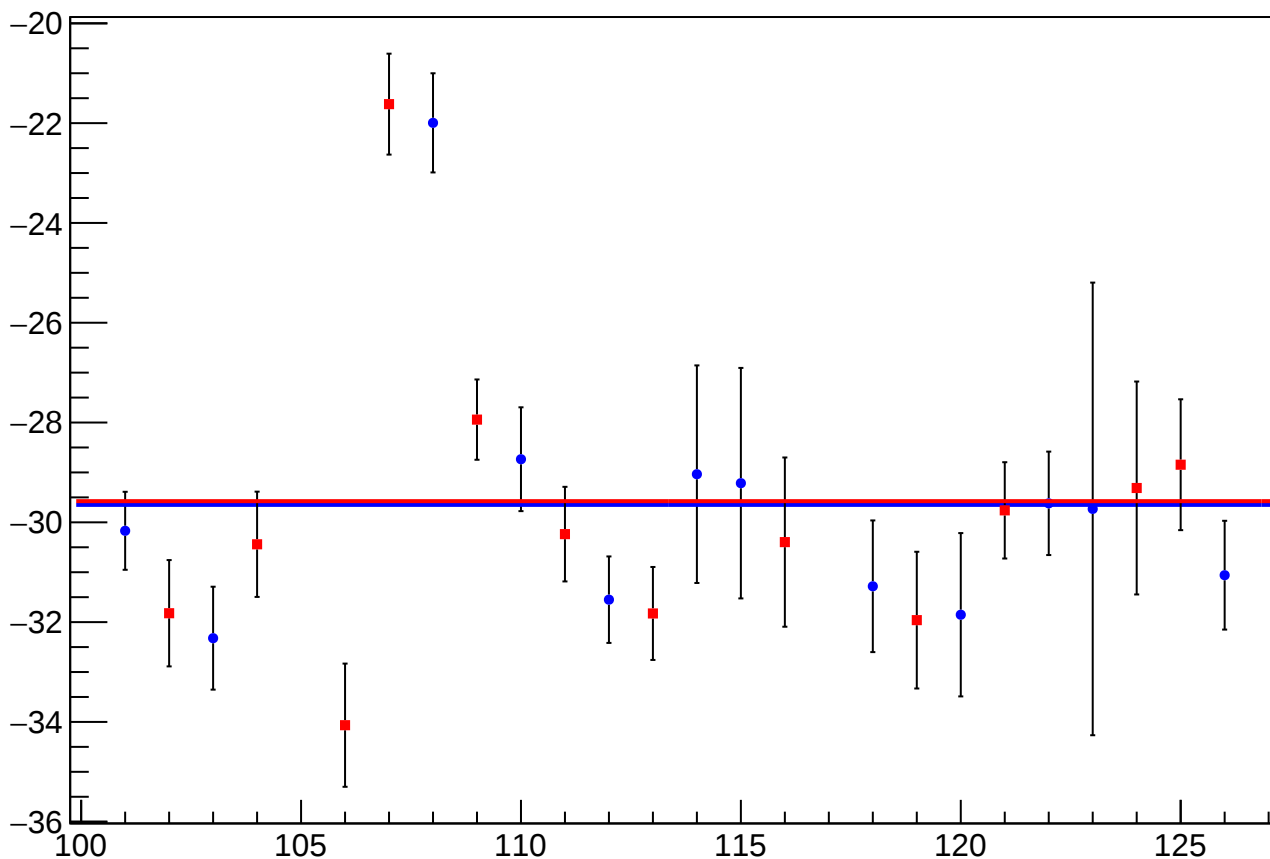
Right:  $-0.661 \pm 0.019$   $\chi^2/\text{NDF}$ : 513.3/23

In:  $-0.627 \pm 0.028$   $\chi^2/\text{NDF}$ : 148.1/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.661 \pm 0.019$   $\chi^2/\text{NDF}$ : 513.3/23

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -29.650+/-0.333  $\chi^2/\text{NDF}$ : 77.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -29.575+/-0.317  $\chi^2/\text{NDF}$ : 94.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

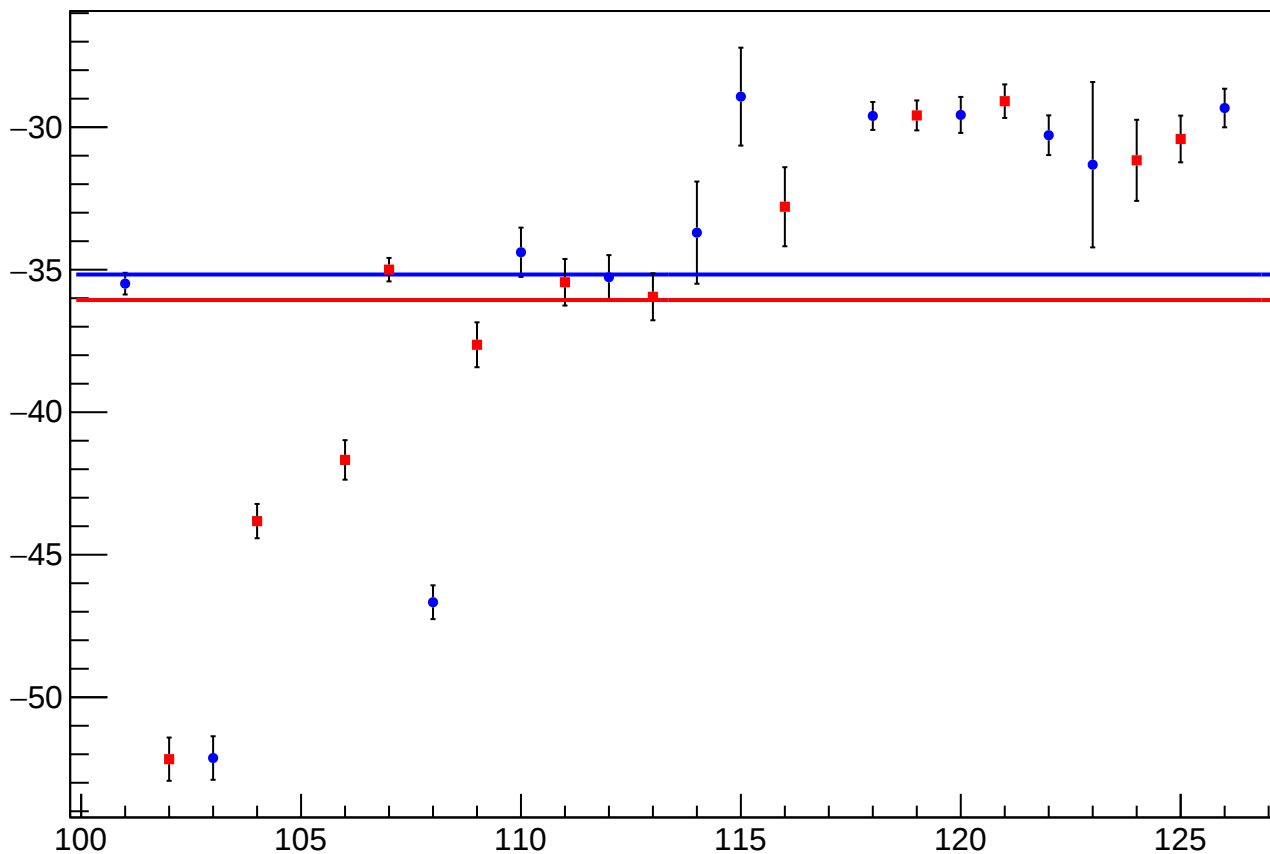
Right: -29.611+/-0.229  $\chi^2/\text{NDF}$ : 171.6/23

In: -29.650+/-0.333  $\chi^2/\text{NDF}$ : 77.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -29.611+/-0.229  $\chi^2/\text{NDF}$ : 171.6/23

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -35.169 $\pm$ 0.196  $\chi^2$ /NDF: 1217.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -36.063 $\pm$ 0.196  $\chi^2$ /NDF: 1051.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

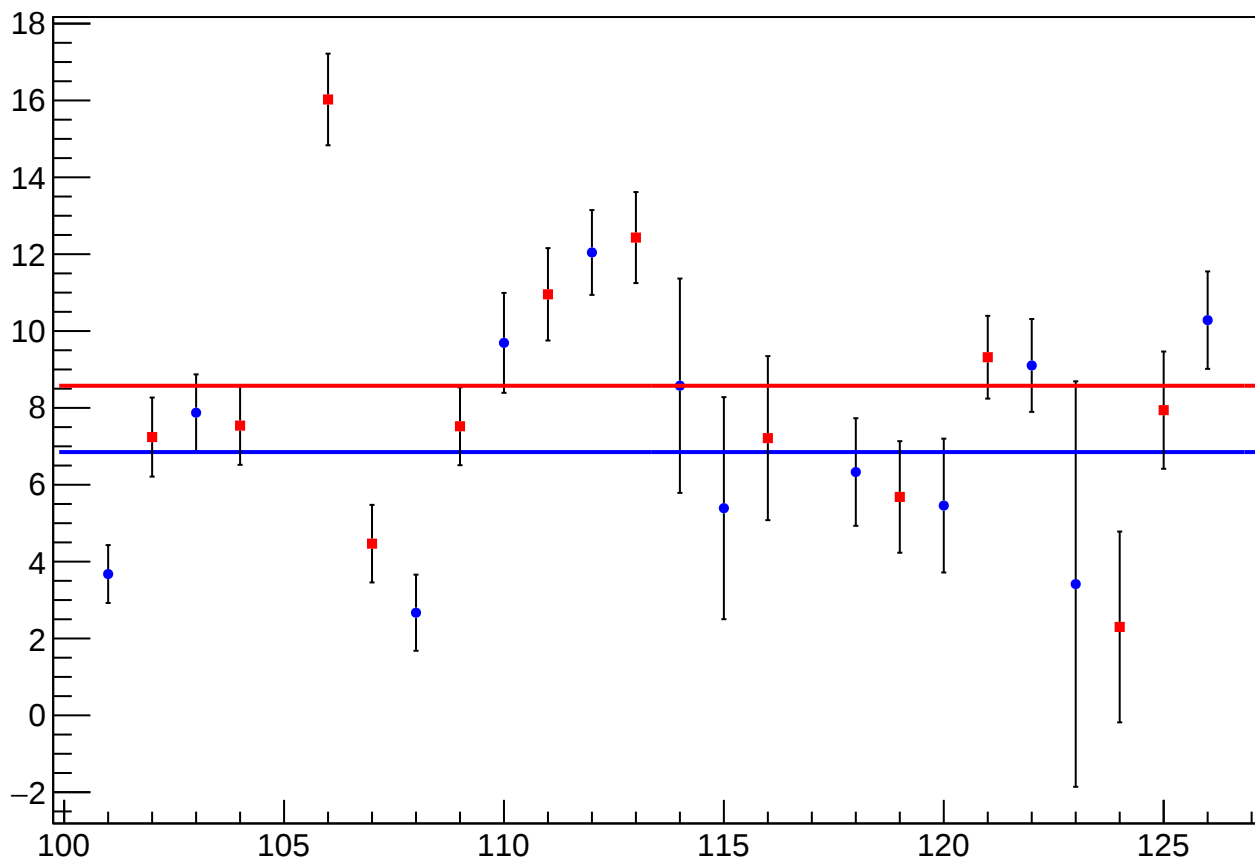
Right: -35.616 $\pm$ 0.138  $\chi^2$ /NDF: 2279.2/23

In: -35.169 $\pm$ 0.196  $\chi^2$ /NDF:1217.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -35.616 $\pm$ 0.138  $\chi^2$ /NDF: 2279.2/23

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.851+/-0.362  $\chi^2/\text{NDF}$ : 76.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.576+/-0.351  $\chi^2/\text{NDF}$ : 85.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

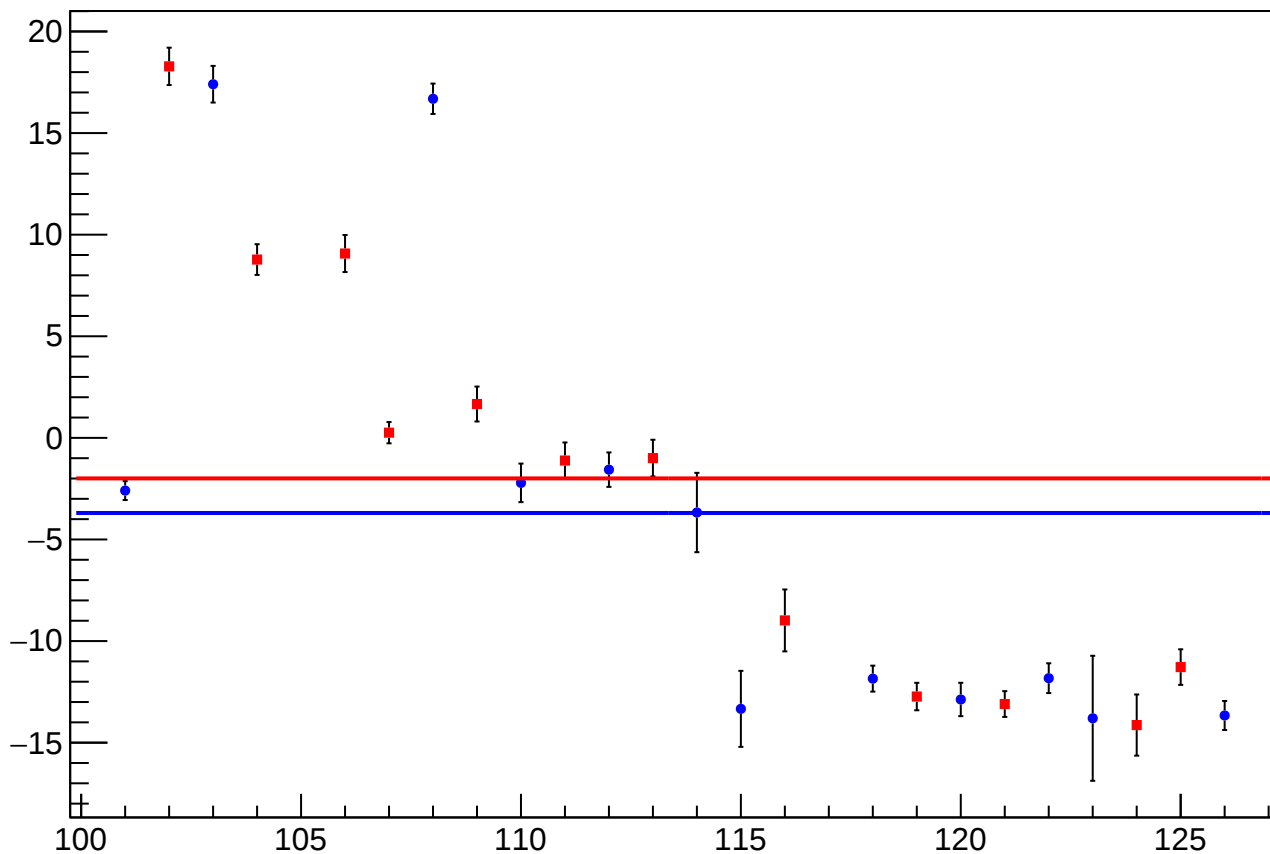
Right: 7.740+/-0.252  $\chi^2/\text{NDF}$ : 173.3/23

In: 6.851+/-0.362  $\chi^2/\text{NDF}$ : 76.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.740+/-0.252  $\chi^2/\text{NDF}$ : 173.3/23

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-3.696 \pm 0.232$   $\chi^2/\text{NDF}: 1949.2/11$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.995 \pm 0.233$   $\chi^2/\text{NDF}: 1632.6/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

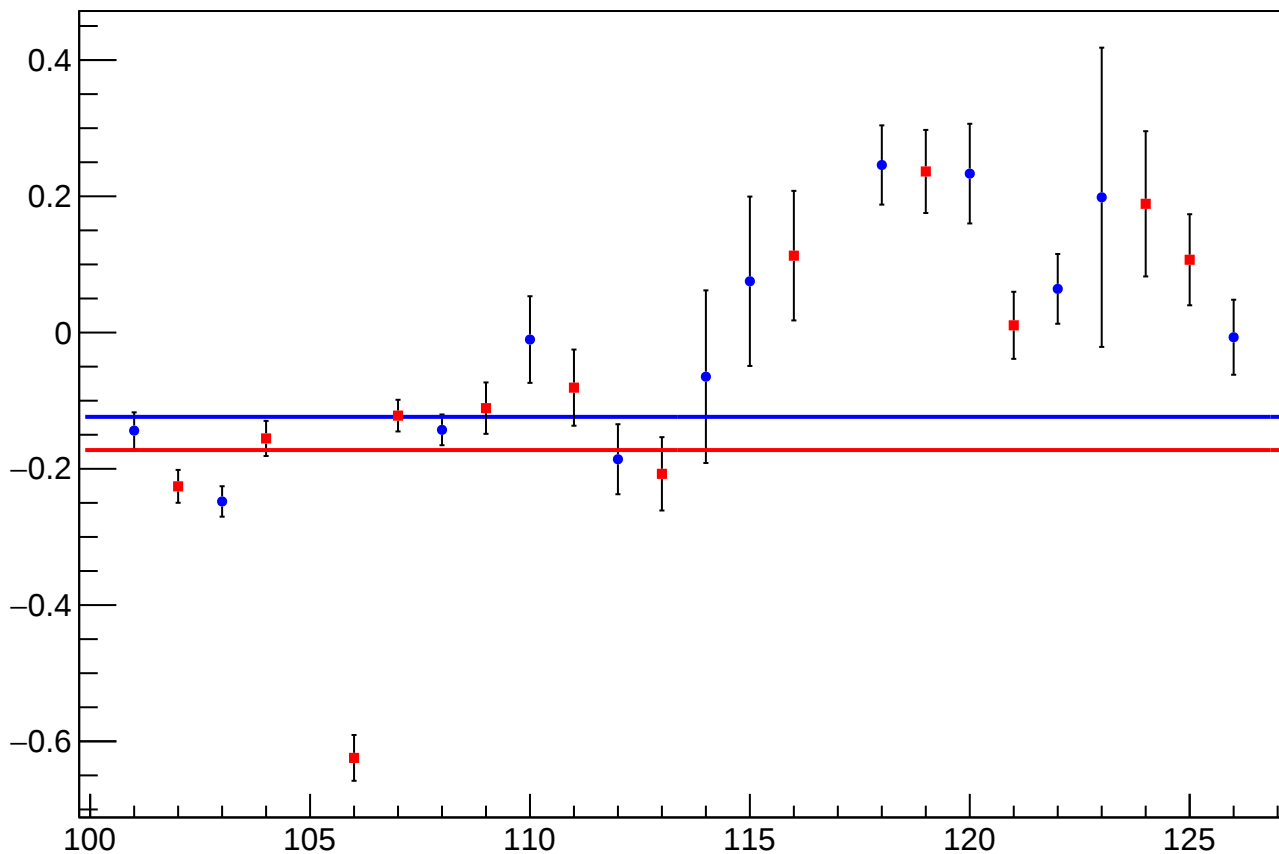
Right:  $-2.847 \pm 0.164$   $\chi^2/\text{NDF}: 3608.6/23$

In:  $-3.696 \pm 0.232$   $\chi^2/\text{NDF}: 1949.2/11$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-2.847 \pm 0.164$   $\chi^2/\text{NDF}: 3608.6/23$

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.124 \pm 0.012$   $\chi^2/\text{NDF}$ : 123.9/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.172 \pm 0.011$   $\chi^2/\text{NDF}$ : 293.3/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

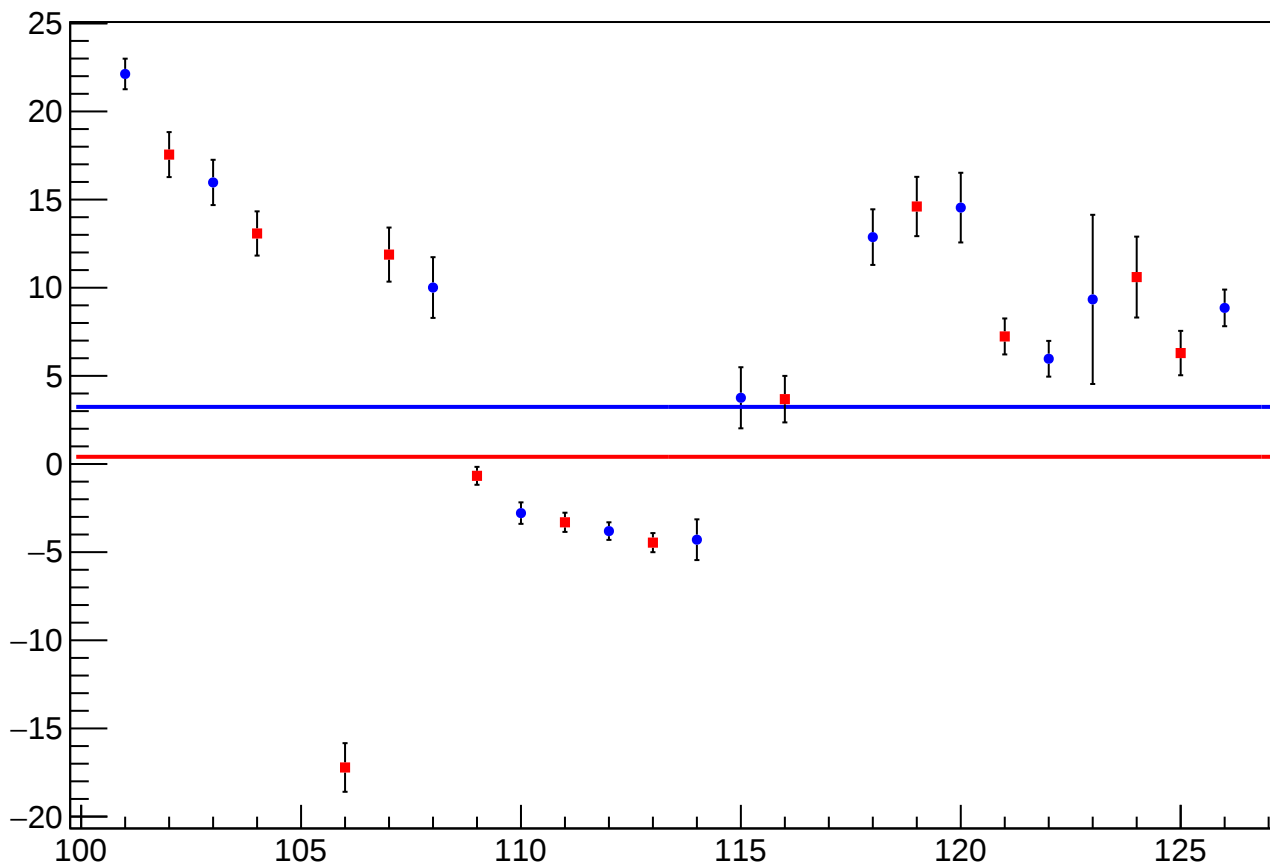
Right:  $-0.150 \pm 0.008$   $\chi^2/\text{NDF}$ : 426.5/23

In:  $-0.124 \pm 0.012$   $\chi^2/\text{NDF}$ : 123.9/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.150 \pm 0.008$   $\chi^2/\text{NDF}$ : 426.5/23

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 3.240 $\pm$ 0.281  $\chi^2$ /NDF: 1036.1/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.409 $\pm$ 0.254  $\chi^2$ /NDF: 797.0/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

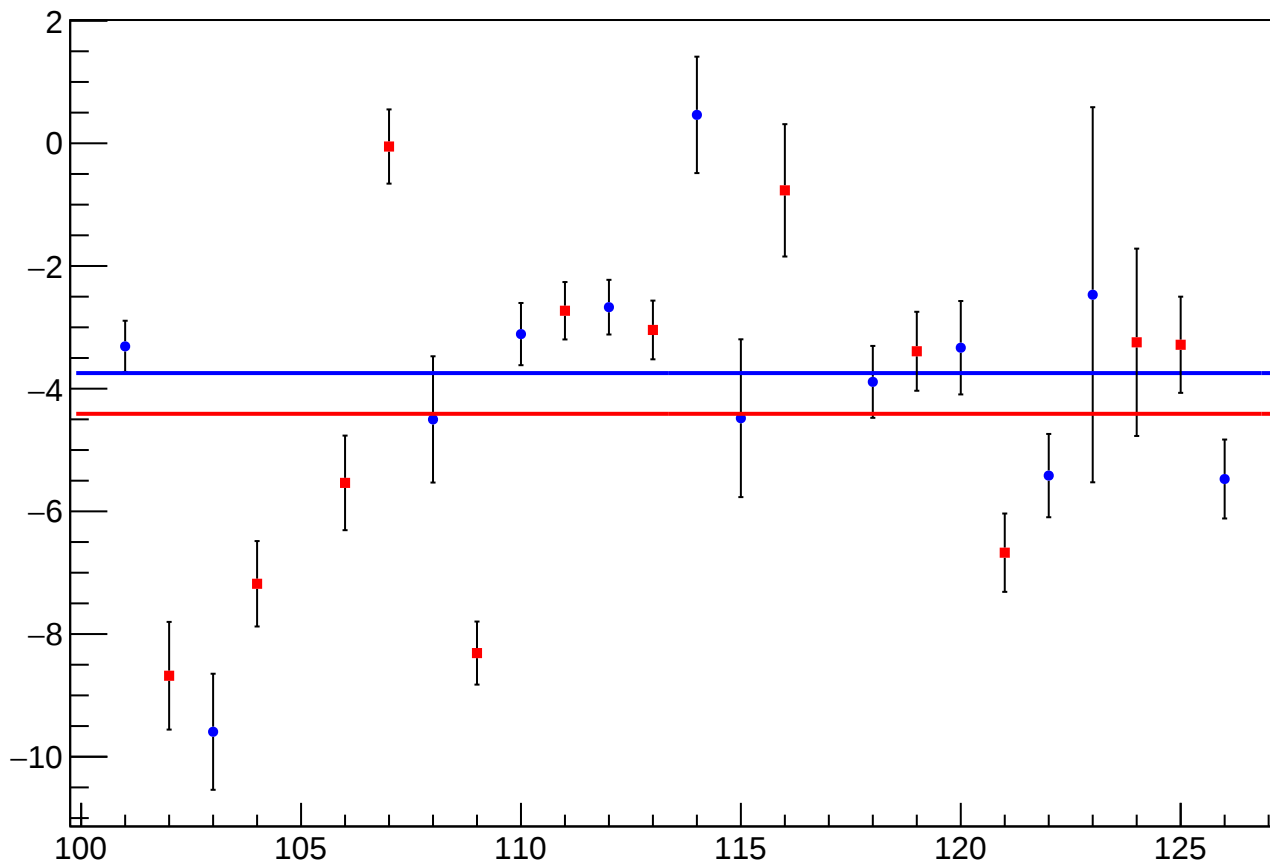
Right: 1.679 $\pm$ 0.188  $\chi^2$ /NDF: 1889.1/23

In: 3.240 $\pm$ 0.281  $\chi^2$ /NDF:1036.1/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.679 $\pm$ 0.188  $\chi^2$ /NDF: 1889.1/23

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.746 $\pm$ 0.190  $\chi^2$ /NDF: 81.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -4.410 $\pm$ 0.188  $\chi^2$ /NDF: 201.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

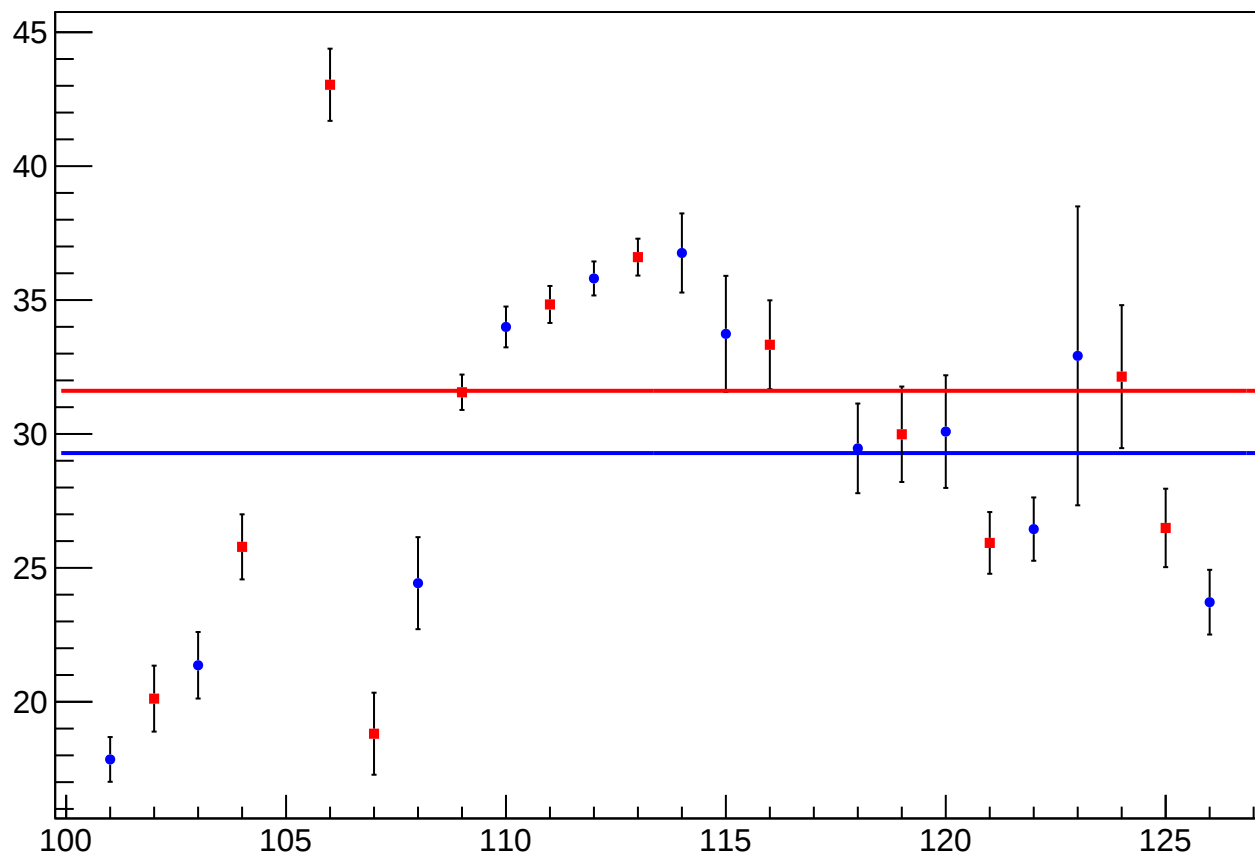
Right: -4.081 $\pm$ 0.134  $\chi^2$ /NDF: 288.5/23

In: -3.746 $\pm$ 0.190  $\chi^2$ /NDF:81.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -4.081 $\pm$ 0.134  $\chi^2$ /NDF: 288.5/23

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 29.287+/-0.328  $\chi^2/\text{NDF}$ : 437.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 31.612+/-0.304  $\chi^2/\text{NDF}$ : 364.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

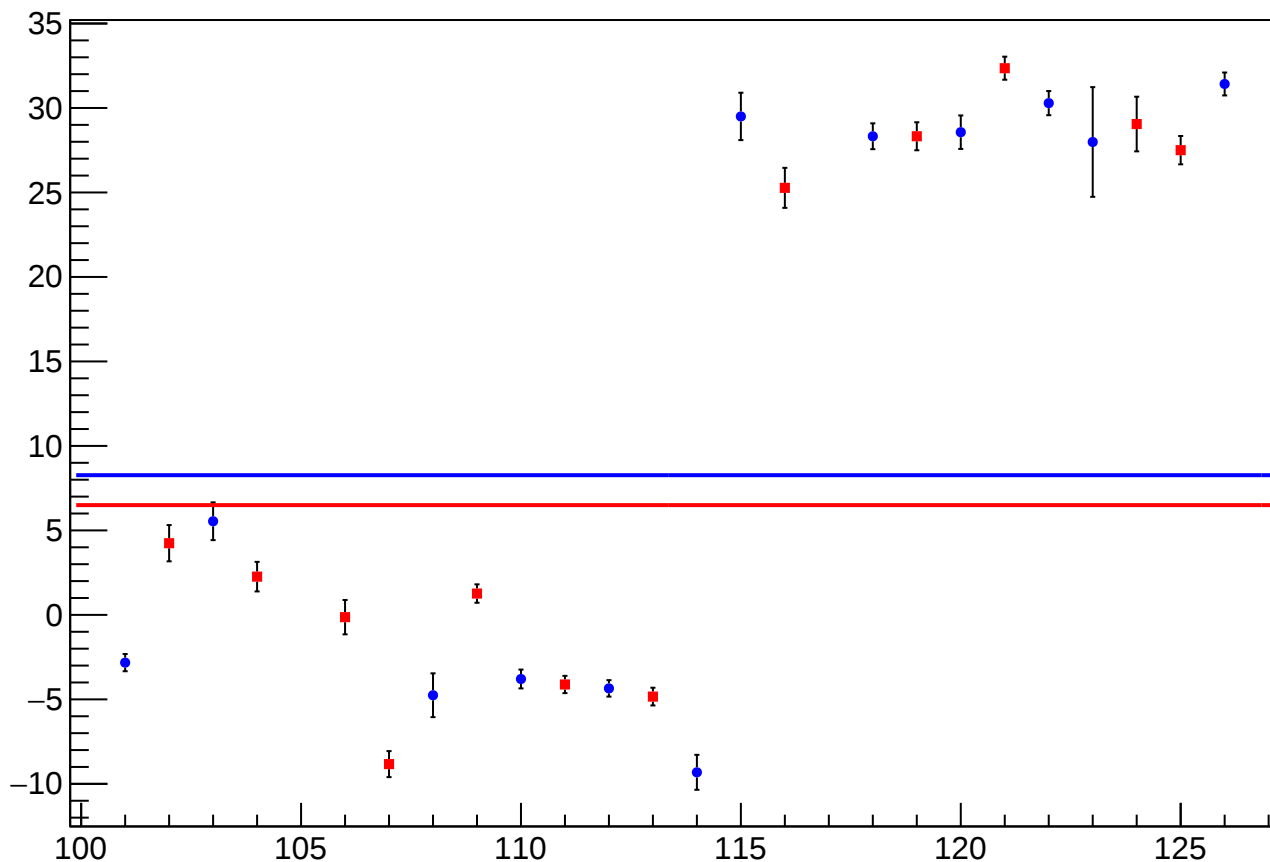
Right: 30.538+/-0.223  $\chi^2/\text{NDF}$ : 829.0/23

In: 29.287+/-0.328  $\chi^2/\text{NDF}$ : 437.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.538+/-0.223  $\chi^2/\text{NDF}$ : 829.0/23

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.268+/-0.218  $\chi^2/\text{NDF}$ : 5496.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.497+/-0.214  $\chi^2/\text{NDF}$ : 4660.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

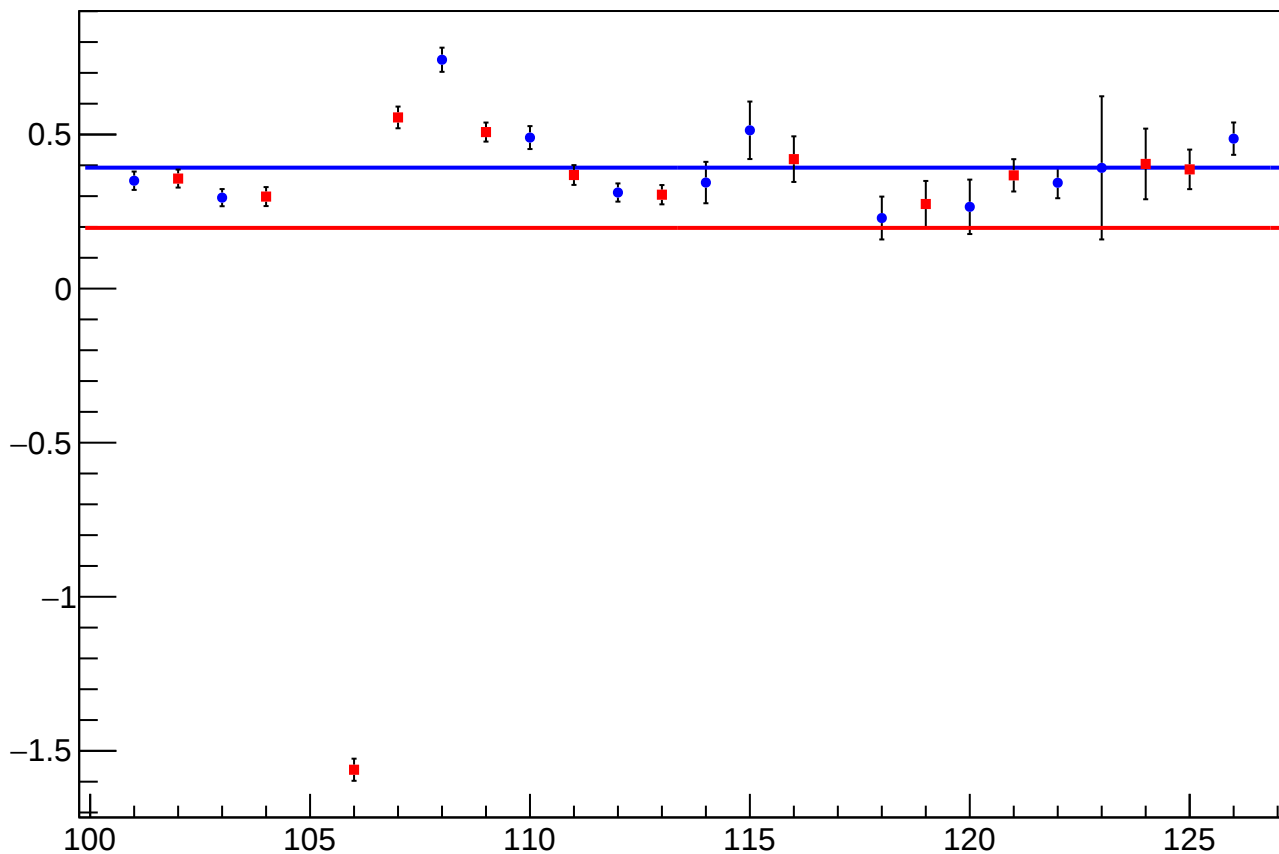
Right: 7.368+/-0.153  $\chi^2/\text{NDF}$ : 10190.3/23

In: 8.268+/-0.218  $\chi^2/\text{NDF}$ : 5496.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.368+/-0.153  $\chi^2/\text{NDF}$ : 10190.3/23

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.392+/-0.013  $\chi^2/\text{NDF}$ : 122.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.197+/-0.011  $\chi^2/\text{NDF}$ : 2718.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

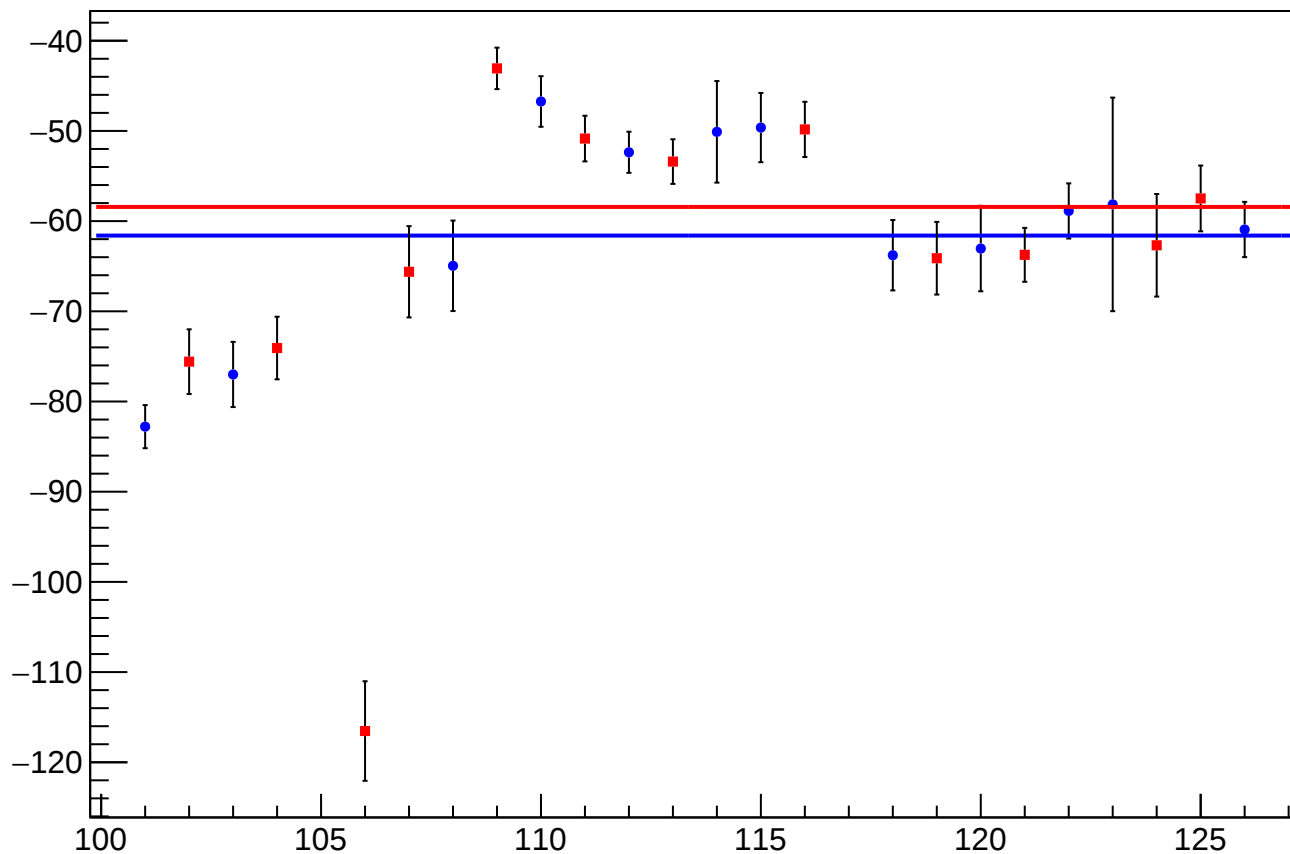
Right: 0.284+/-0.008  $\chi^2/\text{NDF}$ : 2976.2/23

In: 0.392+/-0.013  $\chi^2/\text{NDF}$ : 122.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.284+/-0.008  $\chi^2/\text{NDF}$ : 2976.2/23

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -61.604 $\pm$ 0.980  $\chi^2$ /NDF: 157.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -58.425 $\pm$ 0.941  $\chi^2$ /NDF: 227.6/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

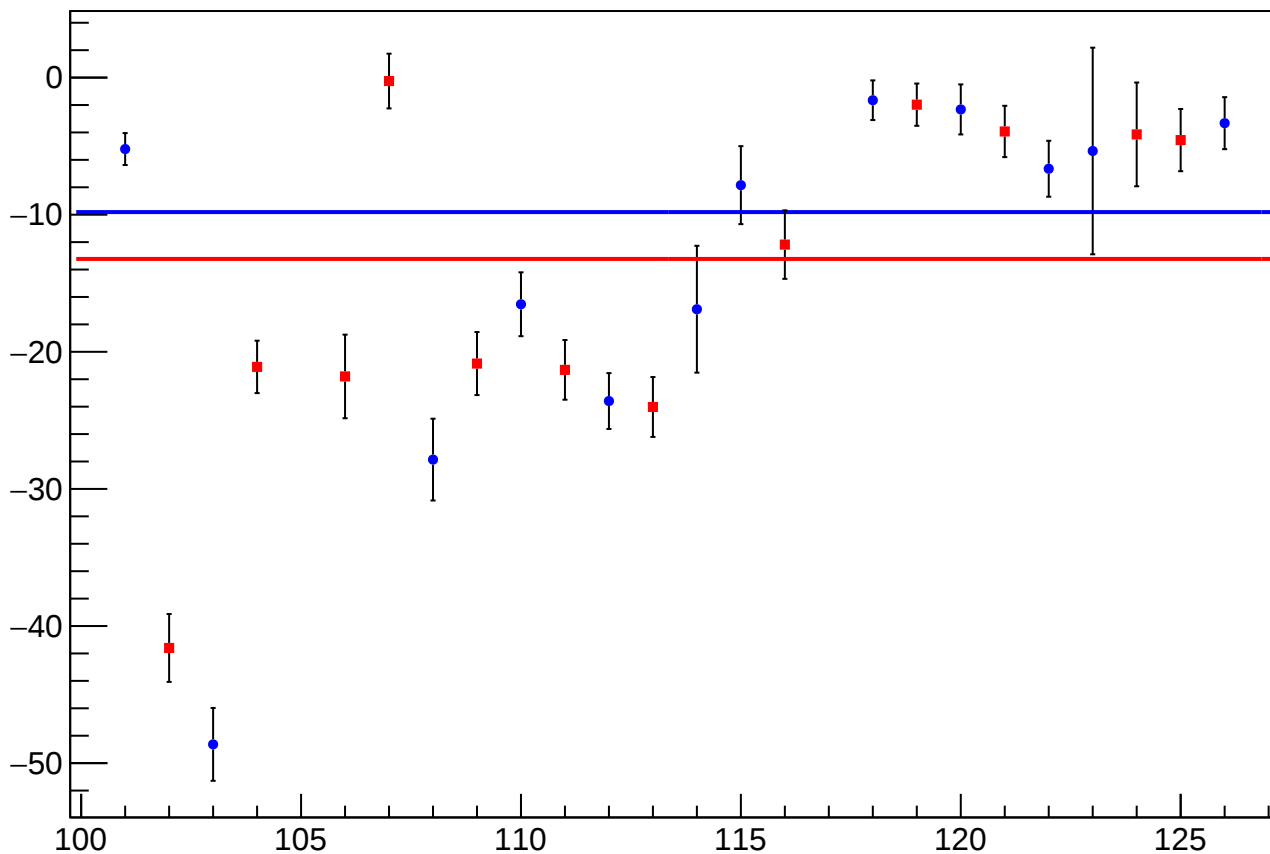
Right: -59.951 $\pm$ 0.679  $\chi^2$ /NDF: 390.0/23

In: -61.604 $\pm$ 0.980  $\chi^2$ /NDF:157.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -59.951 $\pm$ 0.679  $\chi^2$ /NDF: 390.0/23

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -9.809+/-0.587  $\chi^2/\text{NDF}$ : 385.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -13.225+/-0.628  $\chi^2/\text{NDF}$ : 346.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

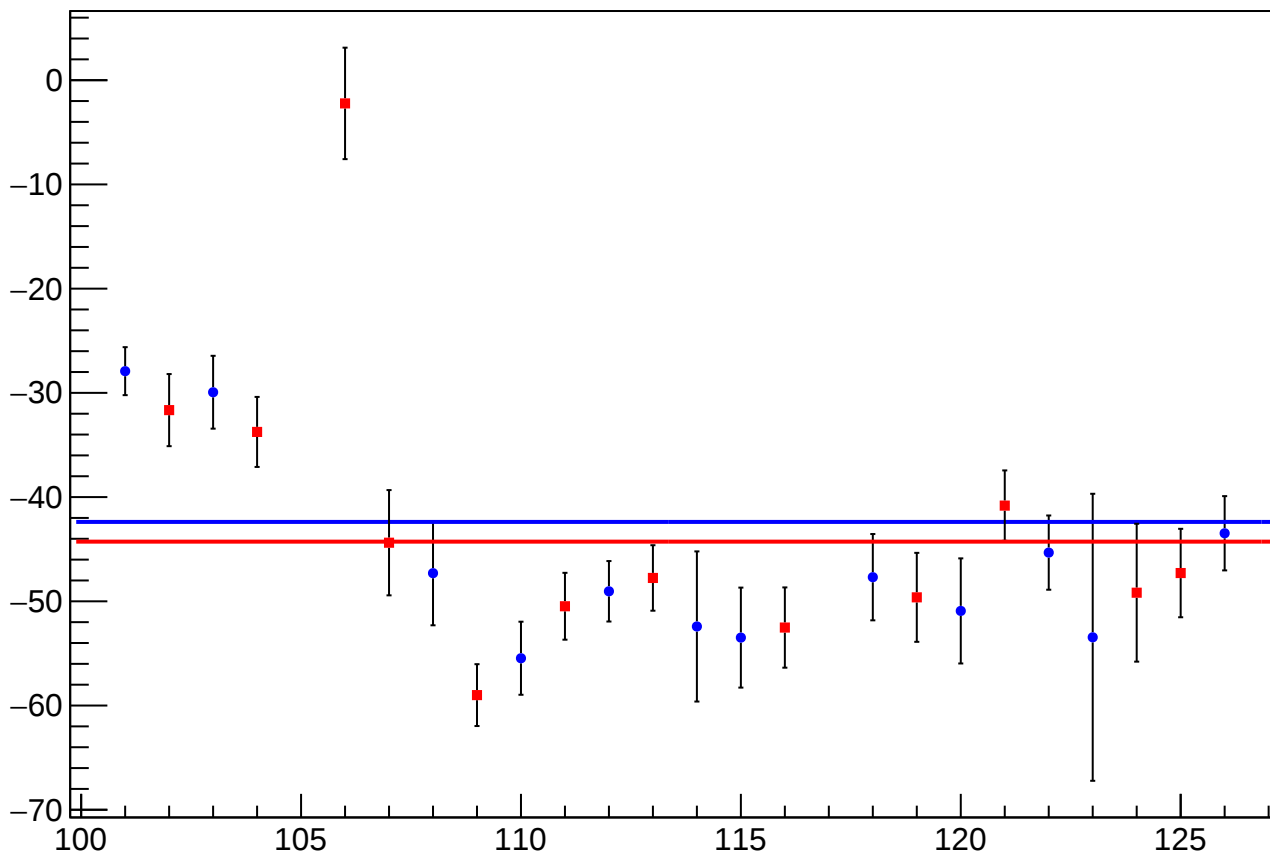
Right: -11.403+/-0.429  $\chi^2/\text{NDF}$ : 748.0/23

In: -9.809+/-0.587  $\chi^2/\text{NDF}$ : 385.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -11.403+/-0.429  $\chi^2/\text{NDF}$ : 748.0/23

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -42.382 $\pm$ 1.095  $\chi^2$ /NDF: 85.5/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -44.275 $\pm$ 1.087  $\chi^2$ /NDF: 122.8/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

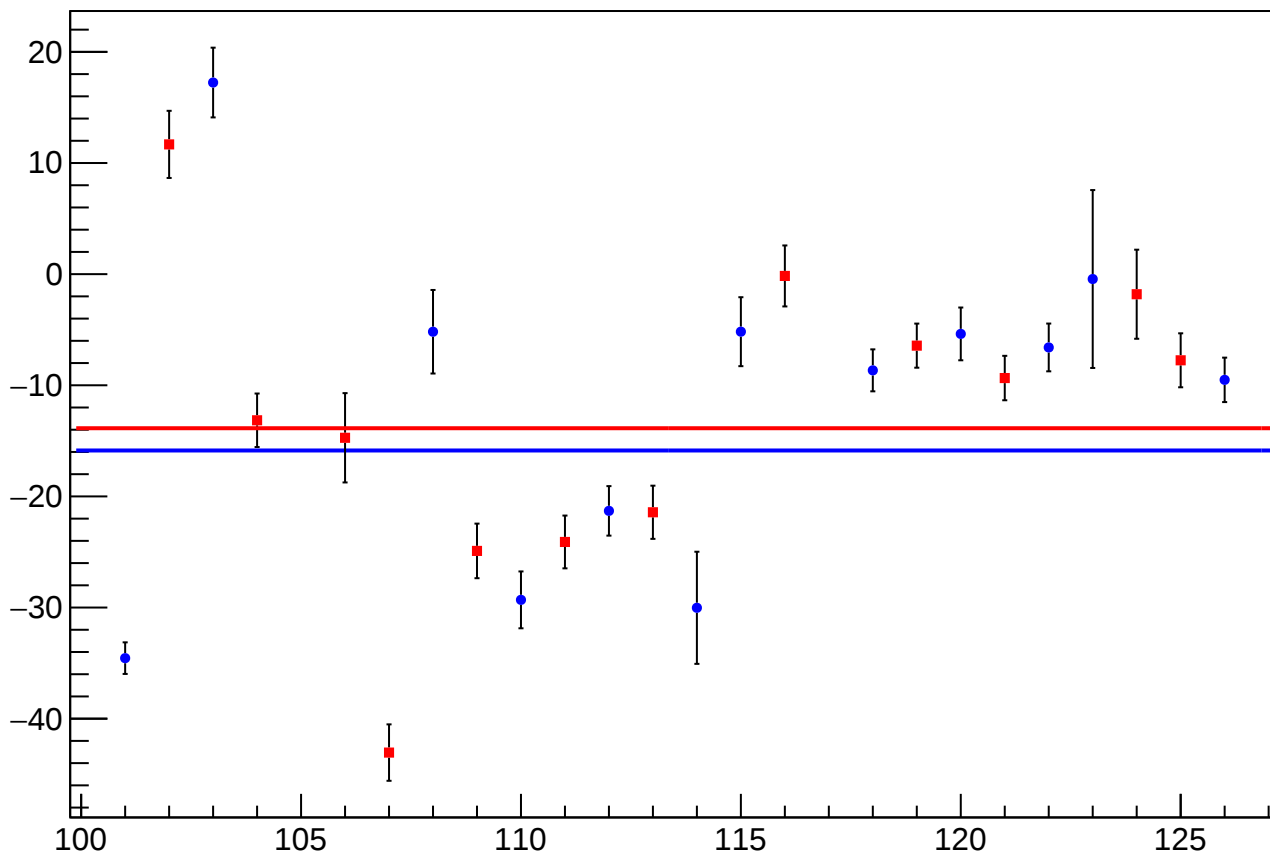
Right: -43.336 $\pm$ 0.771  $\chi^2$ /NDF: 209.9/23

In: -42.382 $\pm$ 1.095  $\chi^2$ /NDF:85.5/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -43.336 $\pm$ 0.771  $\chi^2$ /NDF: 209.9/23

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -15.867 $\pm$ 0.689  $\chi^2$ /NDF: 412.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -13.865 $\pm$ 0.728  $\chi^2$ /NDF: 312.0/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

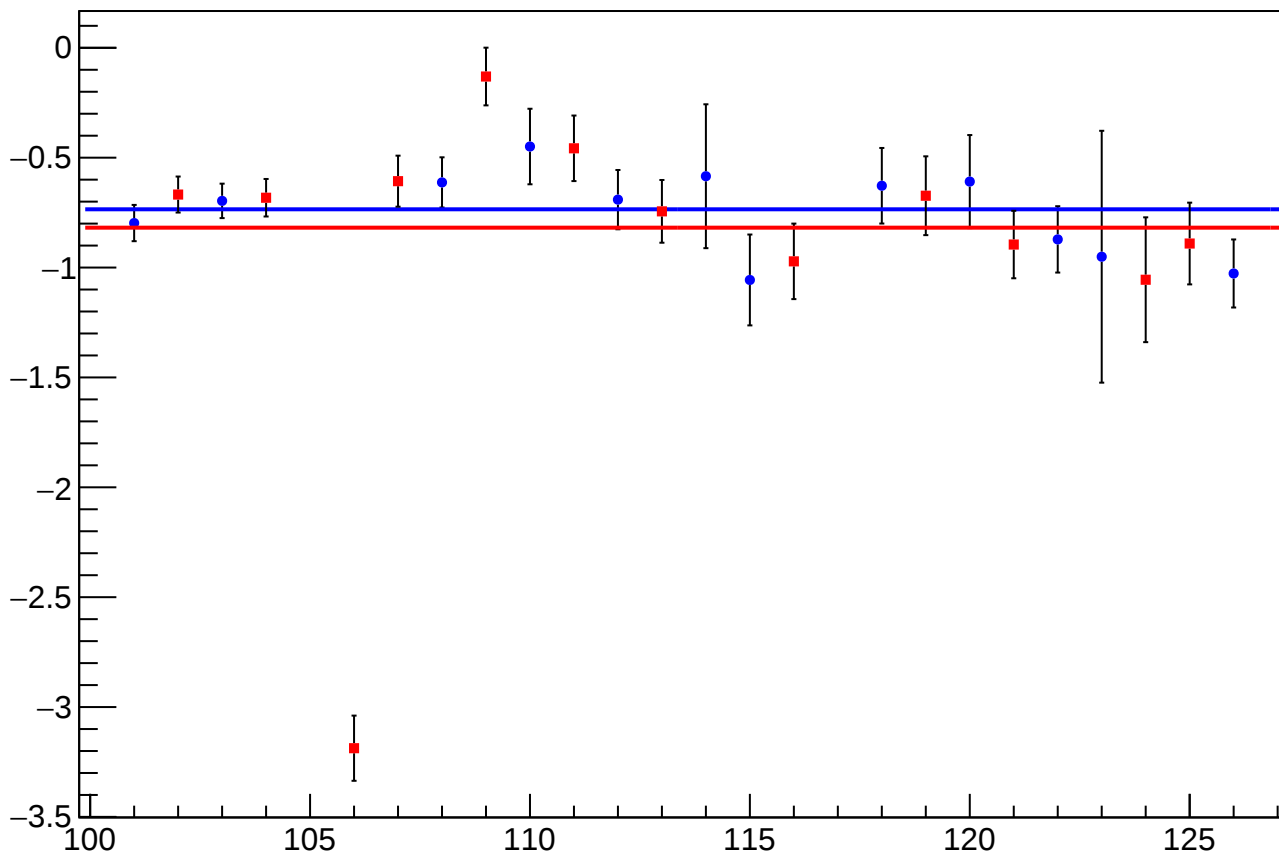
Right: -14.921 $\pm$ 0.501  $\chi^2$ /NDF: 728.0/23

In: -15.867 $\pm$ 0.689  $\chi^2$ /NDF:412.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -14.921 $\pm$ 0.501  $\chi^2$ /NDF: 728.0/23

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.735+/-0.039  $\chi^2/\text{NDF}$ : 12.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.818+/-0.038  $\chi^2/\text{NDF}$ : 300.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

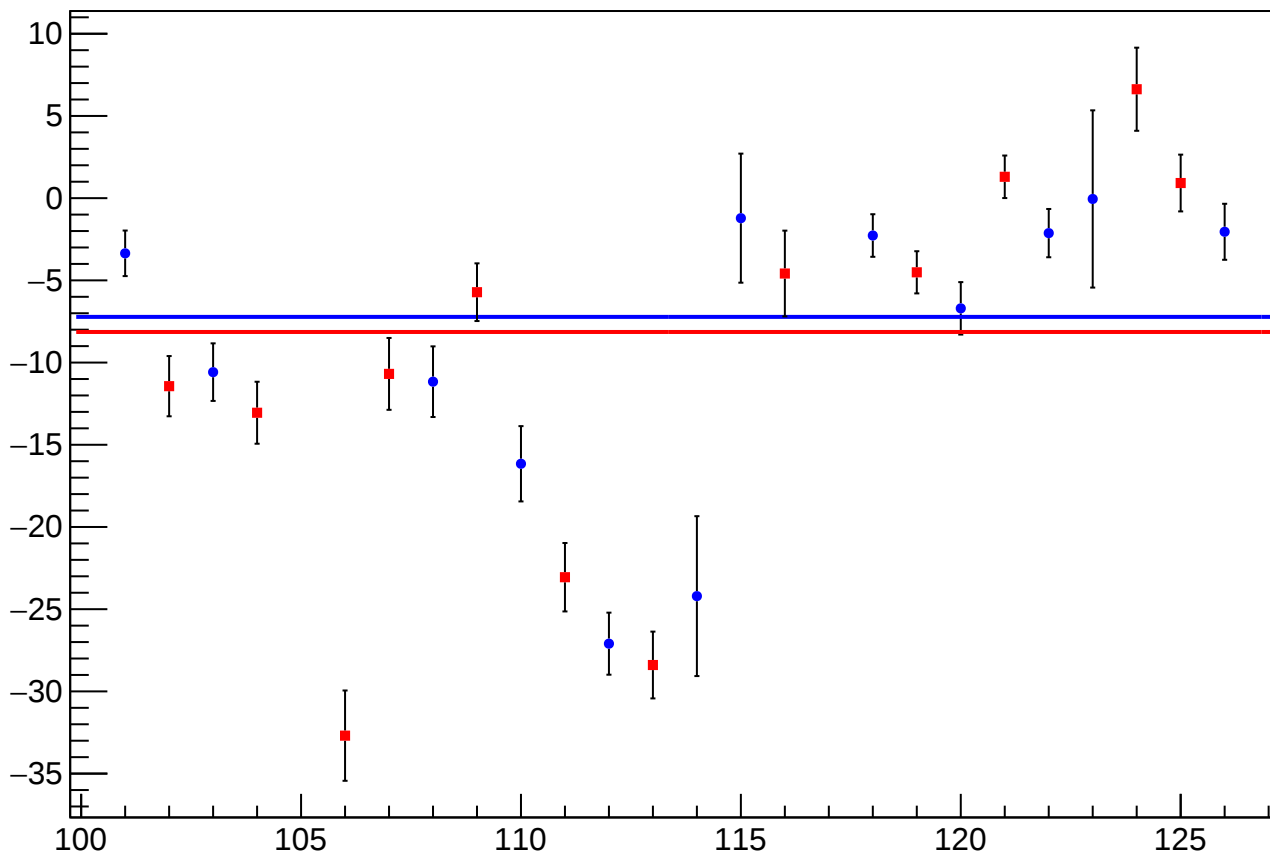
Right: -0.778+/-0.027  $\chi^2/\text{NDF}$ : 315.5/23

In: -0.735+/-0.039  $\chi^2/\text{NDF}$ : 12.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.778+/-0.027  $\chi^2/\text{NDF}$ : 315.5/23

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -7.221+/-0.536  $\chi^2/\text{NDF}$ : 193.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -8.139+/-0.530  $\chi^2/\text{NDF}$ : 368.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

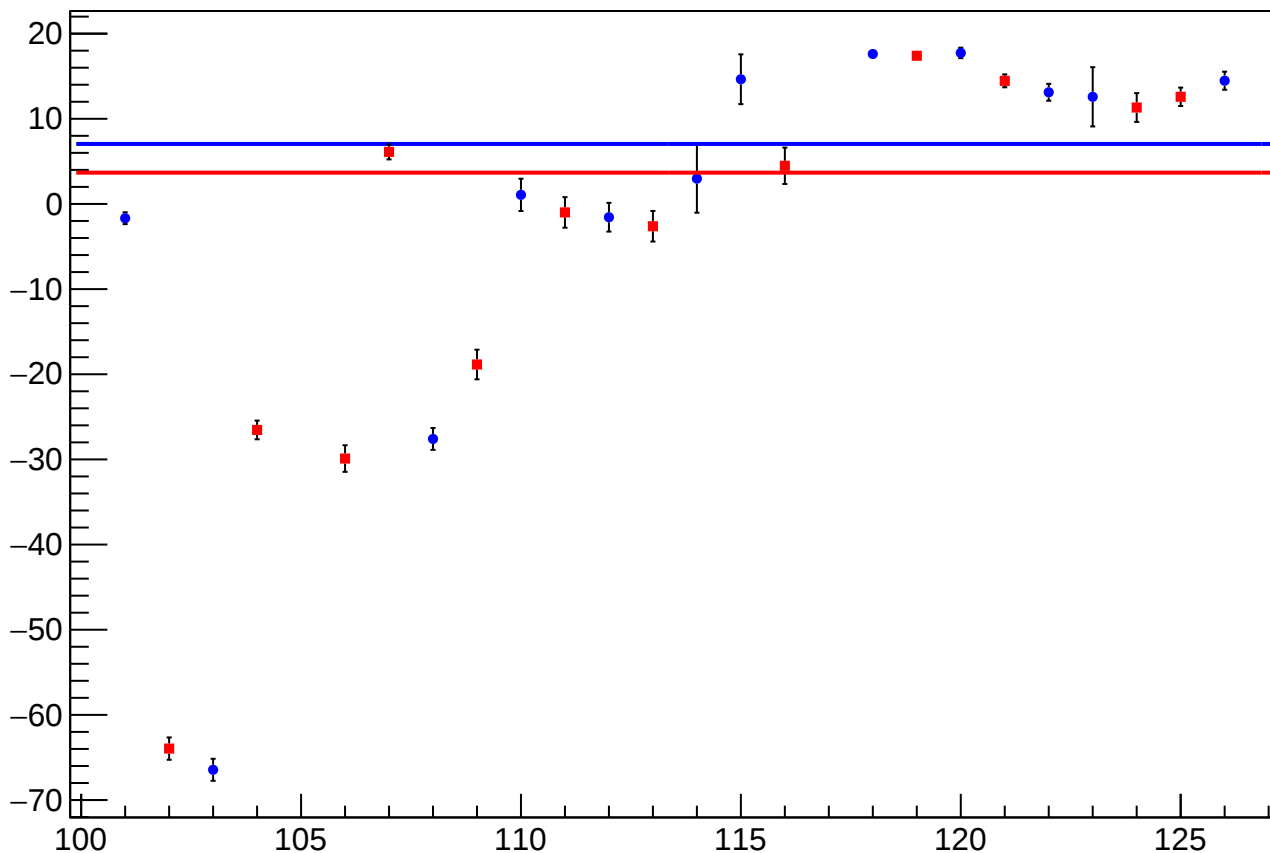
Right: -7.686+/-0.377  $\chi^2/\text{NDF}$ : 563.6/23

In: -7.221+/-0.536  $\chi^2/\text{NDF}$ : 193.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -7.686+/-0.377  $\chi^2/\text{NDF}$ : 563.6/23

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.048+/-0.277  $\chi^2/\text{NDF}$ : 5035.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.675+/-0.297  $\chi^2/\text{NDF}$ : 5139.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

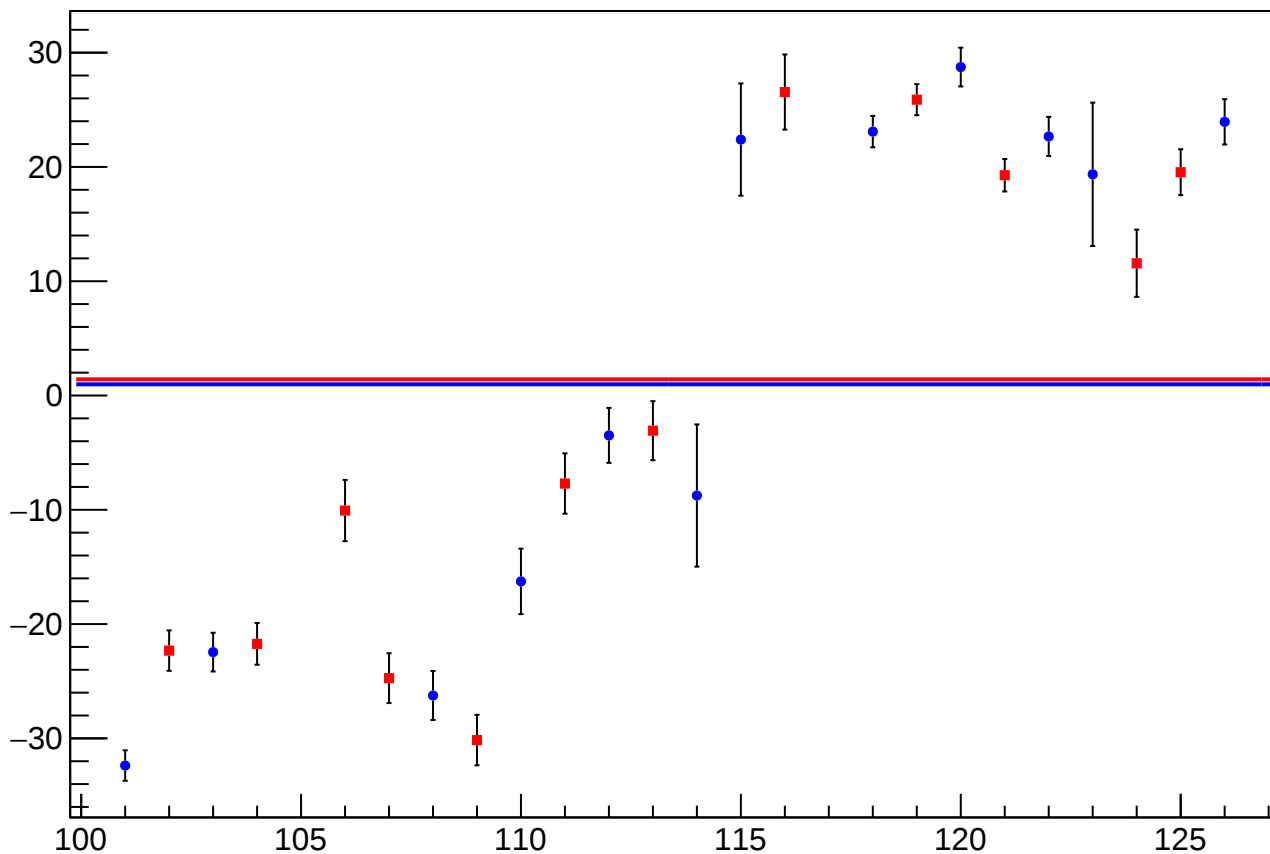
Right: 5.481+/-0.203  $\chi^2/\text{NDF}$ : 10244.3/23

In: 7.048+/-0.277  $\chi^2/\text{NDF}$ : 5035.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.481+/-0.203  $\chi^2/\text{NDF}$ : 10244.3/23

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.980+/-0.578  $\chi^2/\text{NDF}$ : 1868.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.416+/-0.581  $\chi^2/\text{NDF}$ : 1355.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

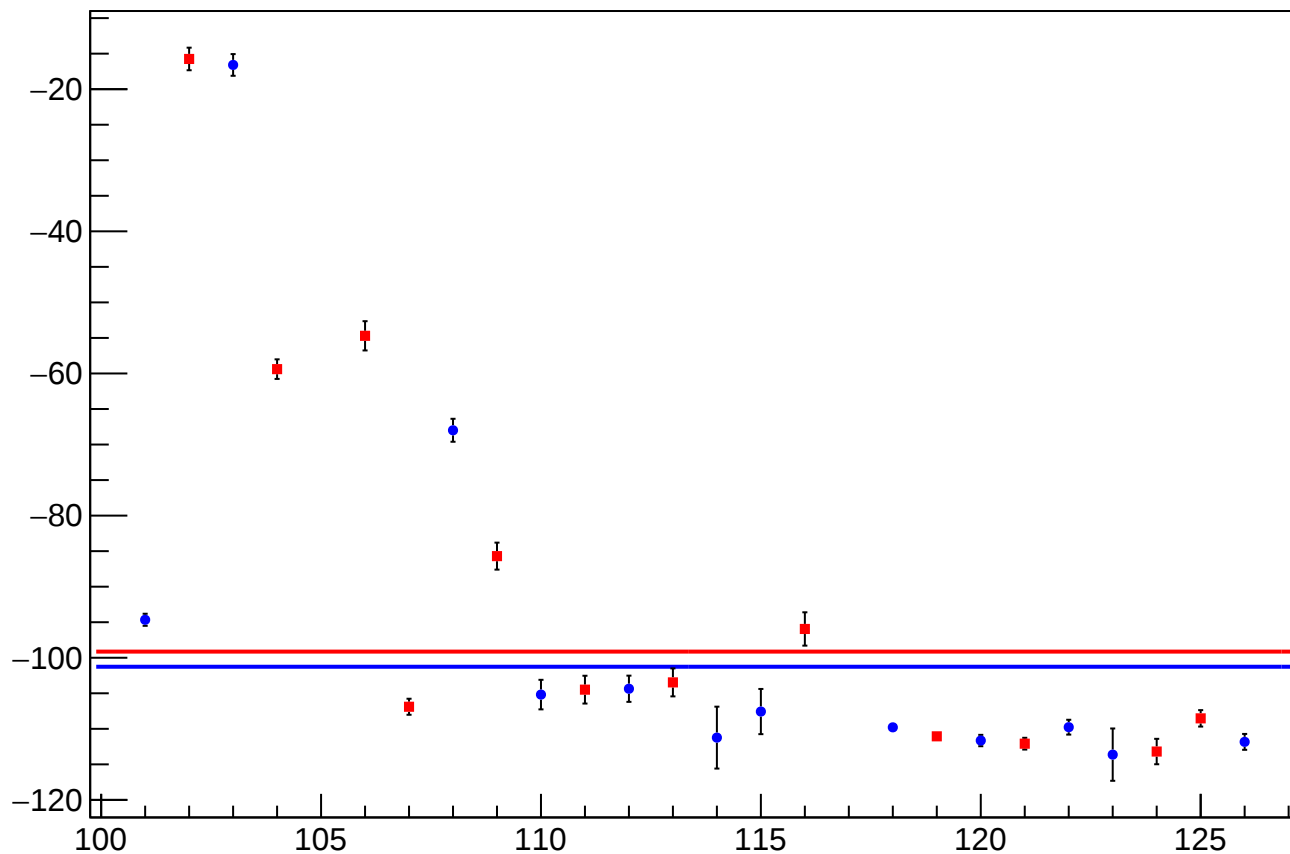
Right: 1.197+/-0.410  $\chi^2/\text{NDF}$ : 3224.9/23

In: 0.980+/-0.578  $\chi^2/\text{NDF}$ : 1868.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.197+/-0.410  $\chi^2/\text{NDF}$ : 3224.9/23

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -101.265+/-0.337  $\chi^2/\text{NDF}$ : 4097.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -99.134+/-0.355  $\chi^2/\text{NDF}$ : 4893.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

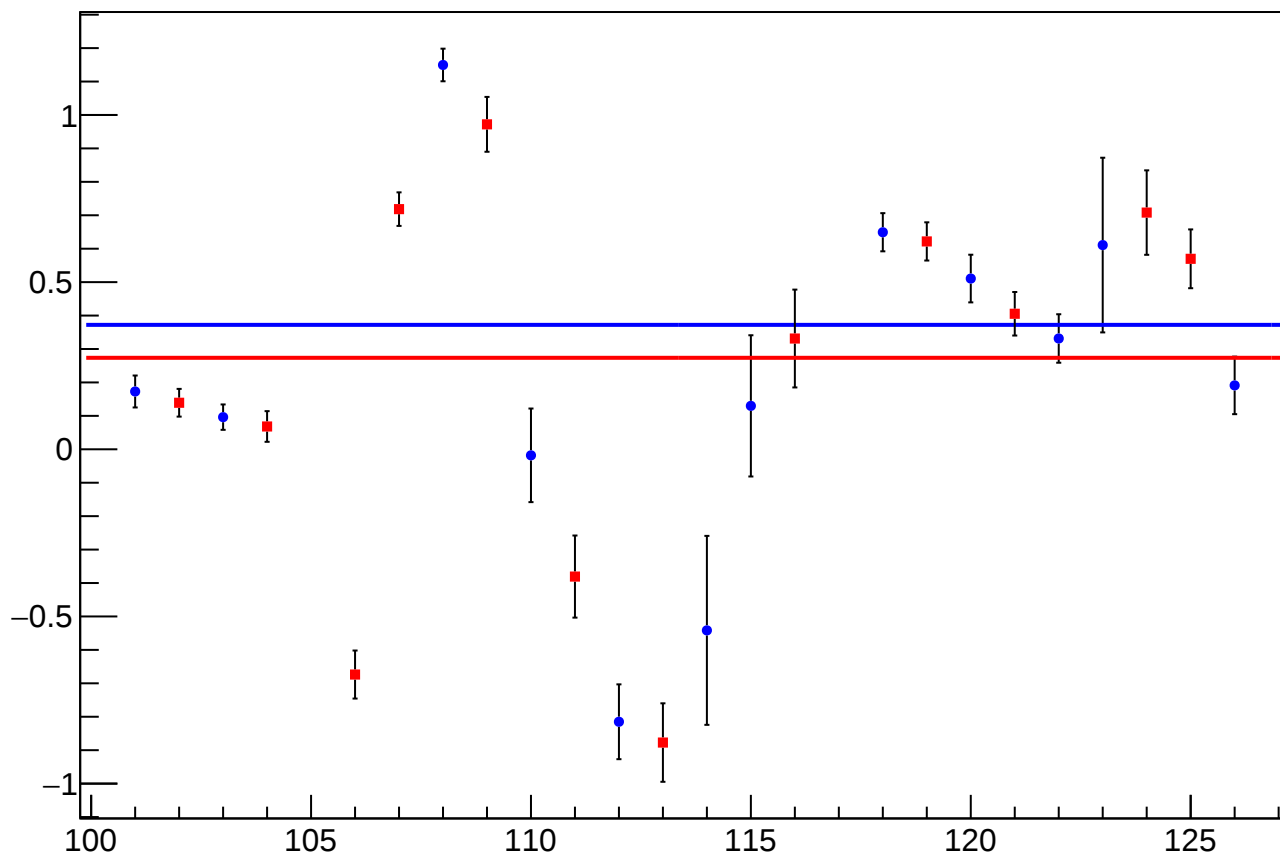
Right: -100.253+/-0.244  $\chi^2/\text{NDF}$ : 9009.4/23

In: -101.265+/-0.337  $\chi^2/\text{NDF}$ :4097.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -100.253+/-0.244  $\chi^2/\text{NDF}$ : 9009.4/23

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.372 $\pm$ 0.020  $\chi^2$ /NDF: 489.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.274 $\pm$ 0.019  $\chi^2$ /NDF: 544.6/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

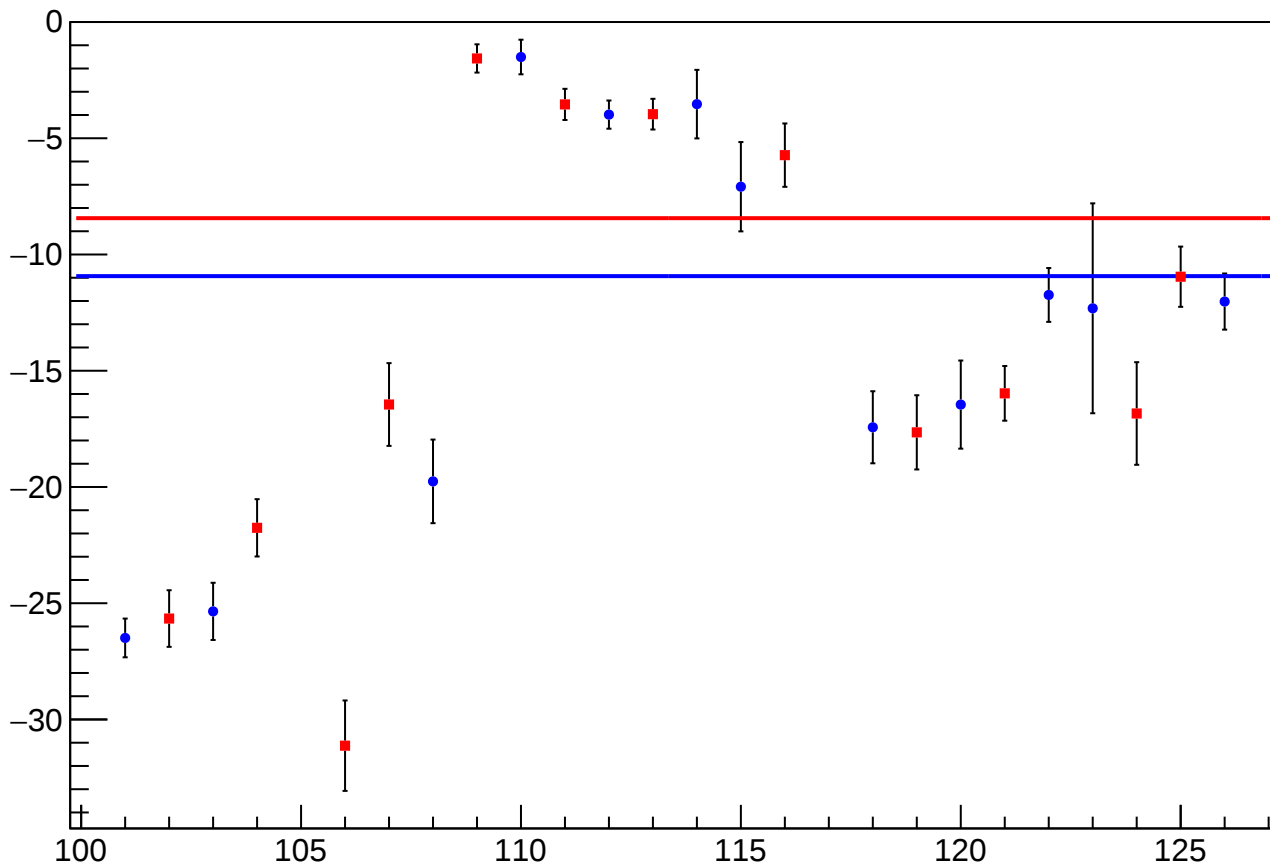
Right: 0.321 $\pm$ 0.014  $\chi^2$ /NDF: 1046.8/23

In: 0.372 $\pm$ 0.020  $\chi^2$ /NDF:489.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.321 $\pm$ 0.014  $\chi^2$ /NDF: 1046.8/23

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -10.930 $\pm$ 0.319  $\chi^2$ /NDF: 858.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -8.437 $\pm$ 0.294  $\chi^2$ /NDF: 796.6/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

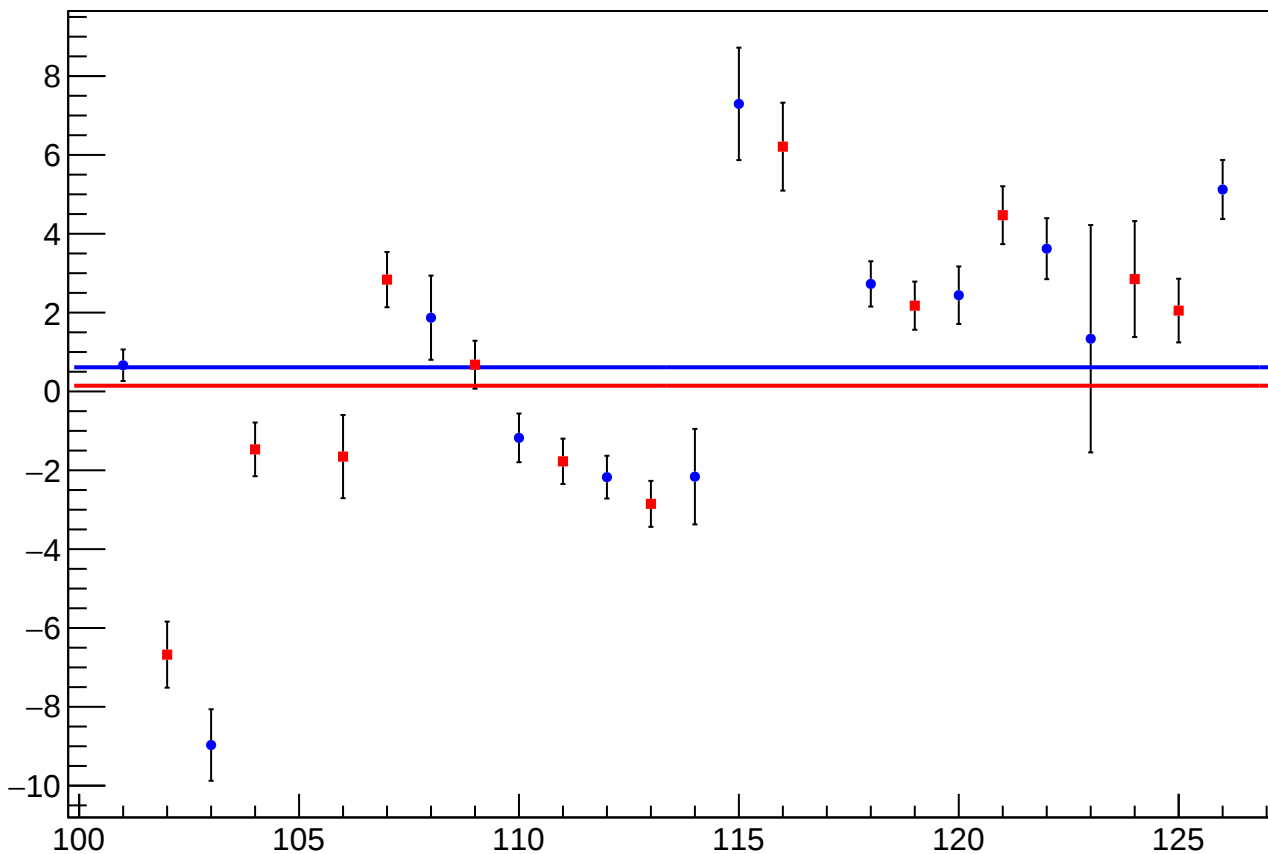
Right: -9.582 $\pm$ 0.216  $\chi^2$ /NDF: 1688.7/23

In: -10.930 $\pm$ 0.319  $\chi^2$ /NDF:858.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -9.582 $\pm$ 0.216  $\chi^2$ /NDF: 1688.7/23

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.613+/-0.204  $\chi^2/\text{NDF}$ : 246.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.146+/-0.211  $\chi^2/\text{NDF}$ : 212.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

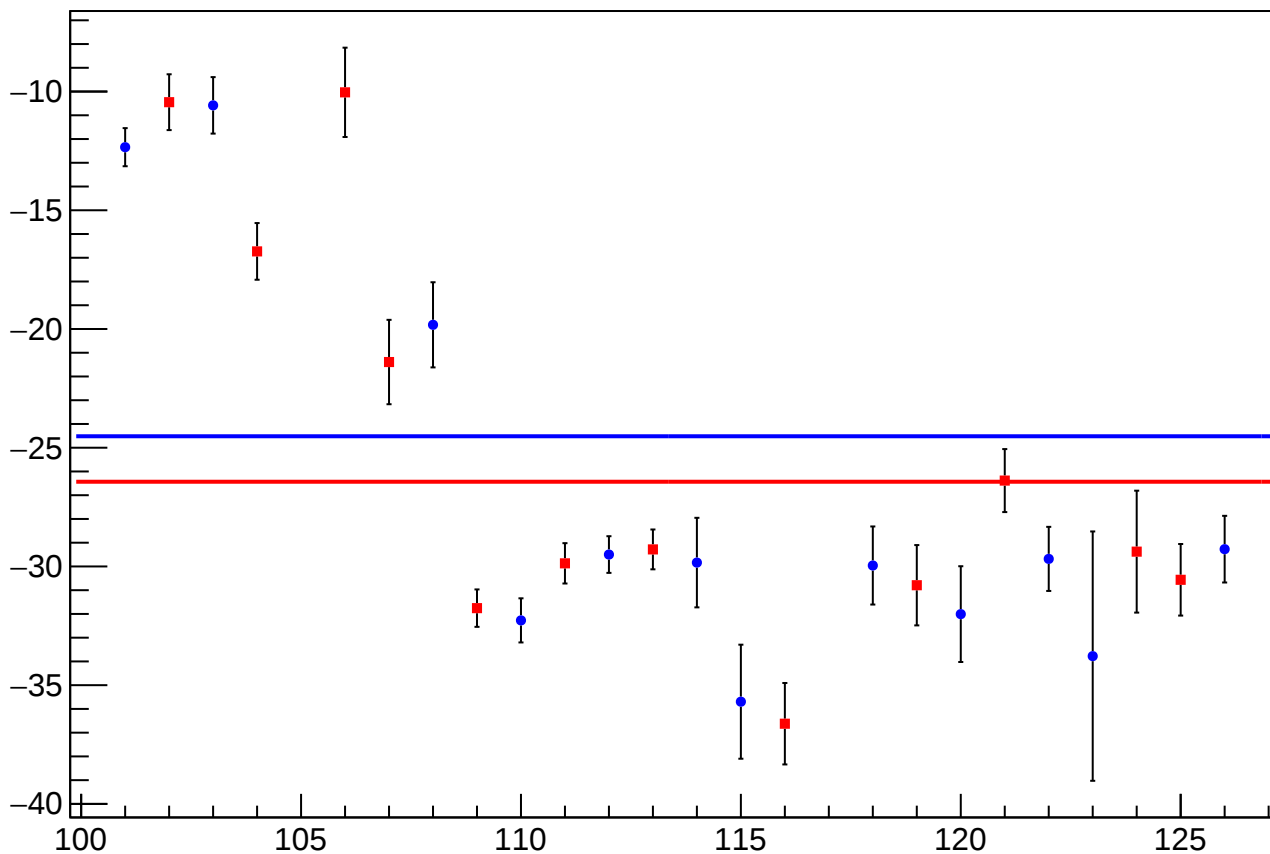
Right: 0.387+/-0.147  $\chi^2/\text{NDF}$ : 460.9/23

In: 0.613+/-0.204  $\chi^2/\text{NDF}$ : 246.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.387+/-0.147  $\chi^2/\text{NDF}$ : 460.9/23

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -24.517 $\pm$ 0.363  $\chi^2$ /NDF: 569.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -26.432 $\pm$ 0.347  $\chi^2$ /NDF: 459.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

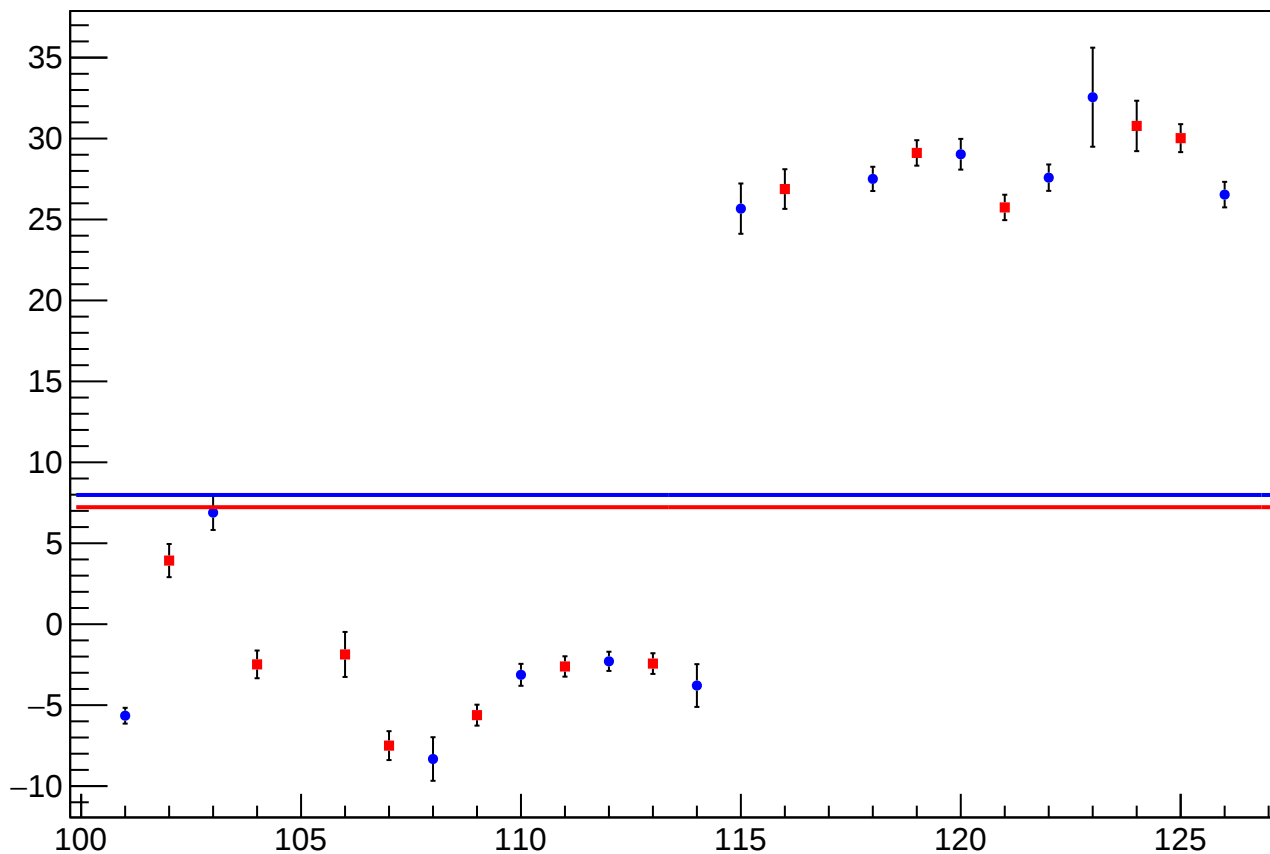
Right: -25.519 $\pm$ 0.251  $\chi^2$ /NDF: 1042.9/23

In: -24.517 $\pm$ 0.363  $\chi^2$ /NDF:569.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -25.519 $\pm$ 0.251  $\chi^2$ /NDF: 1042.9/23

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 7.983+/-0.237  $\chi^2/\text{NDF}$ : 4072.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.228+/-0.242  $\chi^2/\text{NDF}$ : 3834.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

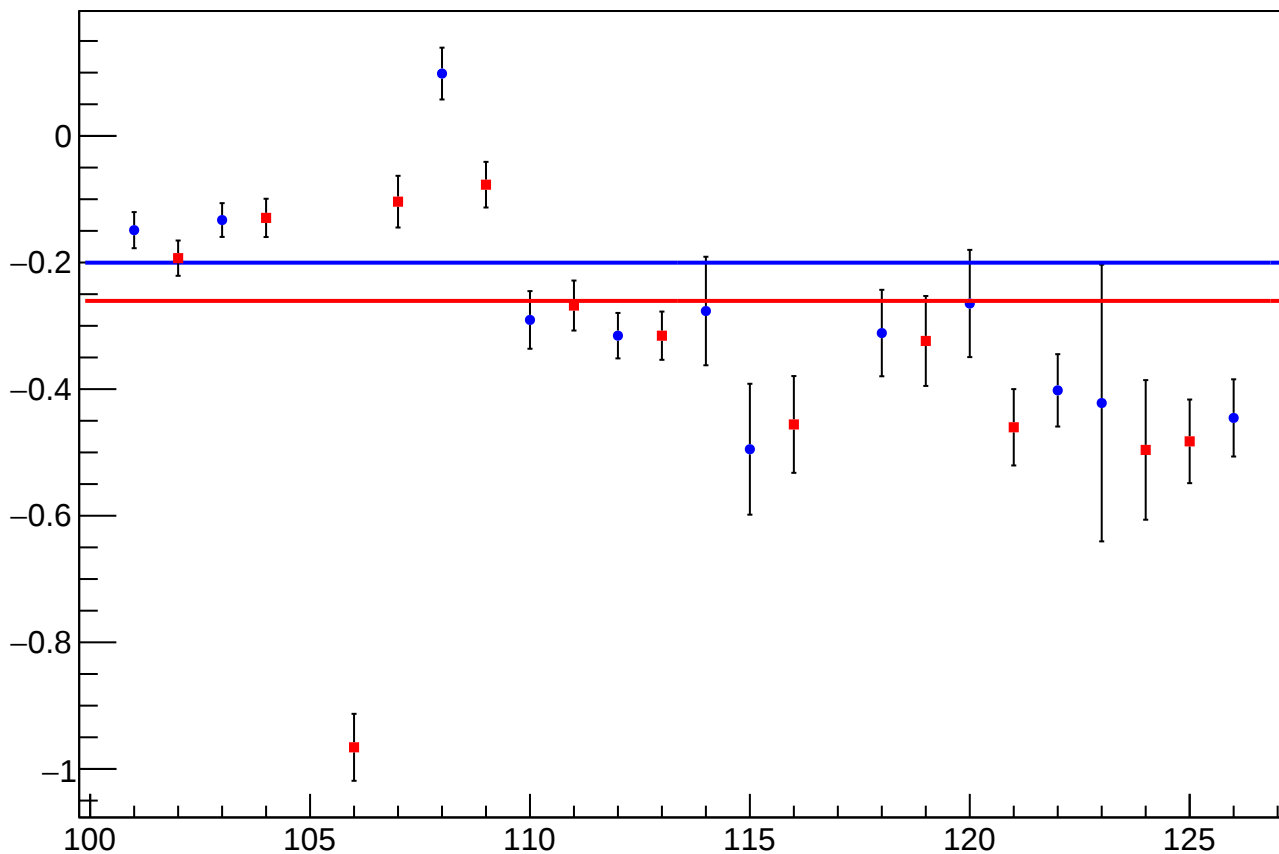
Right: 7.613+/-0.169  $\chi^2/\text{NDF}$ : 7911.8/23

In: 7.983+/-0.237  $\chi^2/\text{NDF}$ : 4072.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.613+/-0.169  $\chi^2/\text{NDF}$ : 7911.8/23

reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.200+/-0.013  $\chi^2/\text{NDF}$ : 118.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.261+/-0.013  $\chi^2/\text{NDF}$ : 279.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

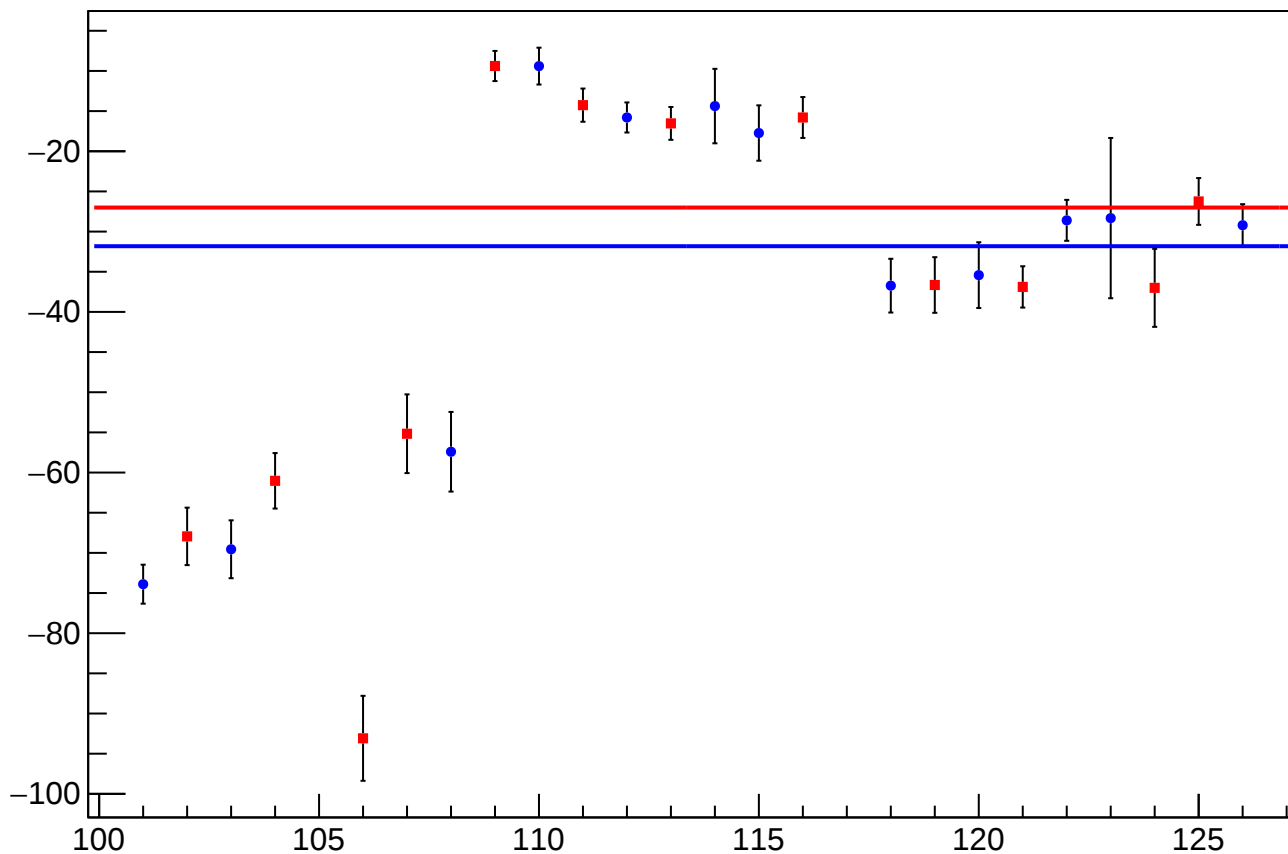
Right: -0.232+/-0.009  $\chi^2/\text{NDF}$ : 409.2/23

In: -0.200+/-0.013  $\chi^2/\text{NDF}$ : 118.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.232+/-0.009  $\chi^2/\text{NDF}$ : 409.2/23

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -31.820+/-0.860  $\chi^2/\text{NDF}$ : 642.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -27.007+/-0.804  $\chi^2/\text{NDF}$ : 615.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

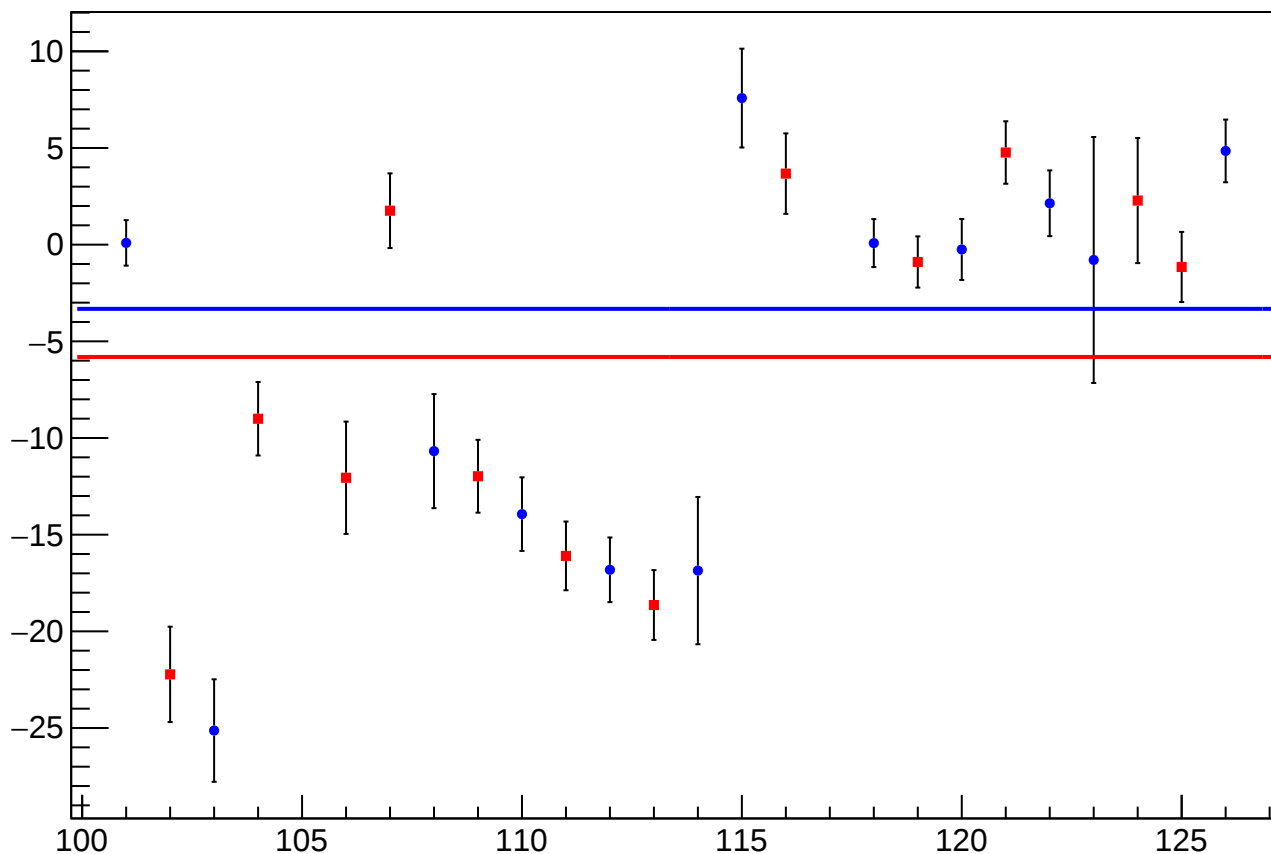
Right: -29.254+/-0.587  $\chi^2/\text{NDF}$ : 1274.8/23

In: -31.820+/-0.860  $\chi^2/\text{NDF}$ : 642.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -29.254+/-0.587  $\chi^2/\text{NDF}$ : 1274.8/23

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.321+/-0.524  $\chi^2/\text{NDF}$ : 256.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.809+/-0.549  $\chi^2/\text{NDF}$ : 252.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

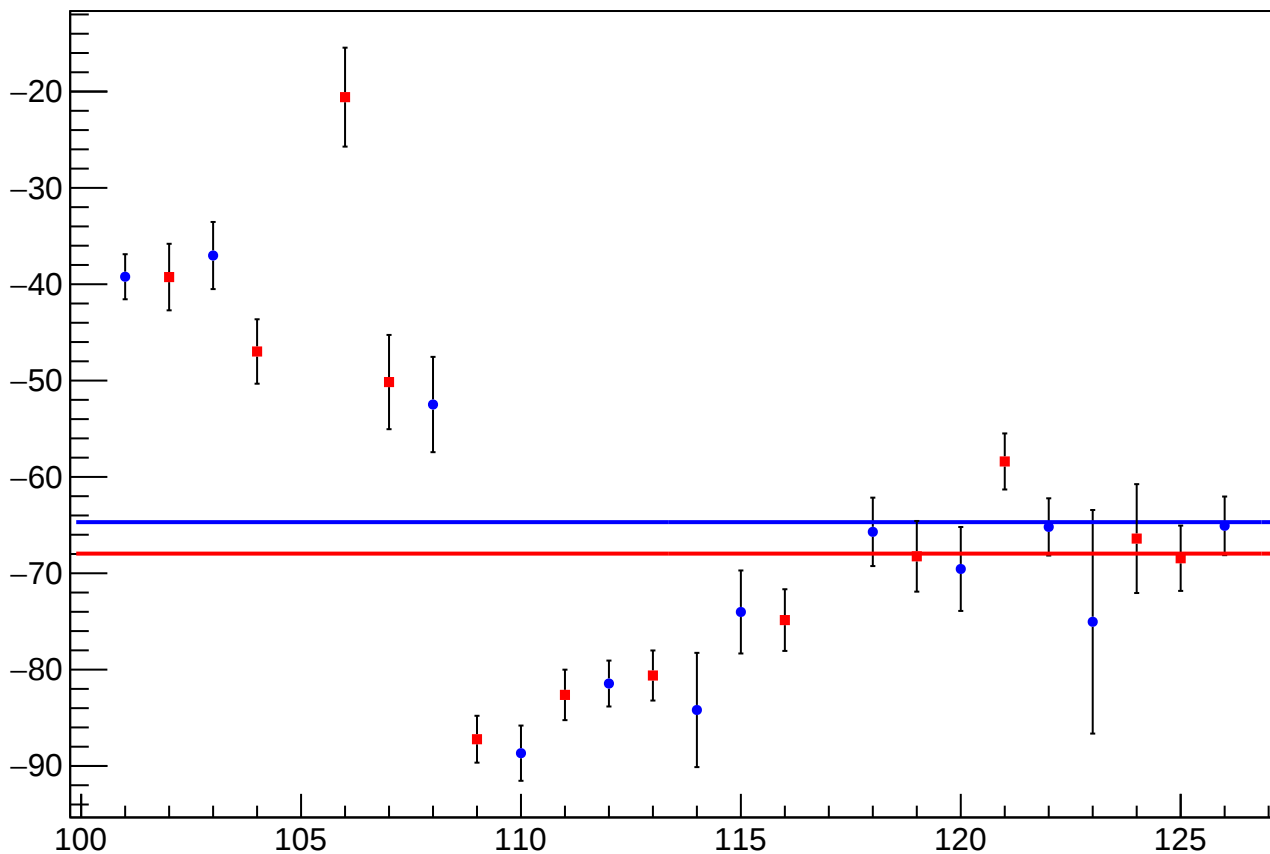
Right: -4.507+/-0.379  $\chi^2/\text{NDF}$ : 519.4/23

In: -3.321+/-0.524  $\chi^2/\text{NDF}$ : 256.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -4.507+/-0.379  $\chi^2/\text{NDF}$ : 519.4/23

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -64.693+/-0.977  $\chi^2/\text{NDF}$ : 324.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -67.959+/-0.943  $\chi^2/\text{NDF}$ : 340.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

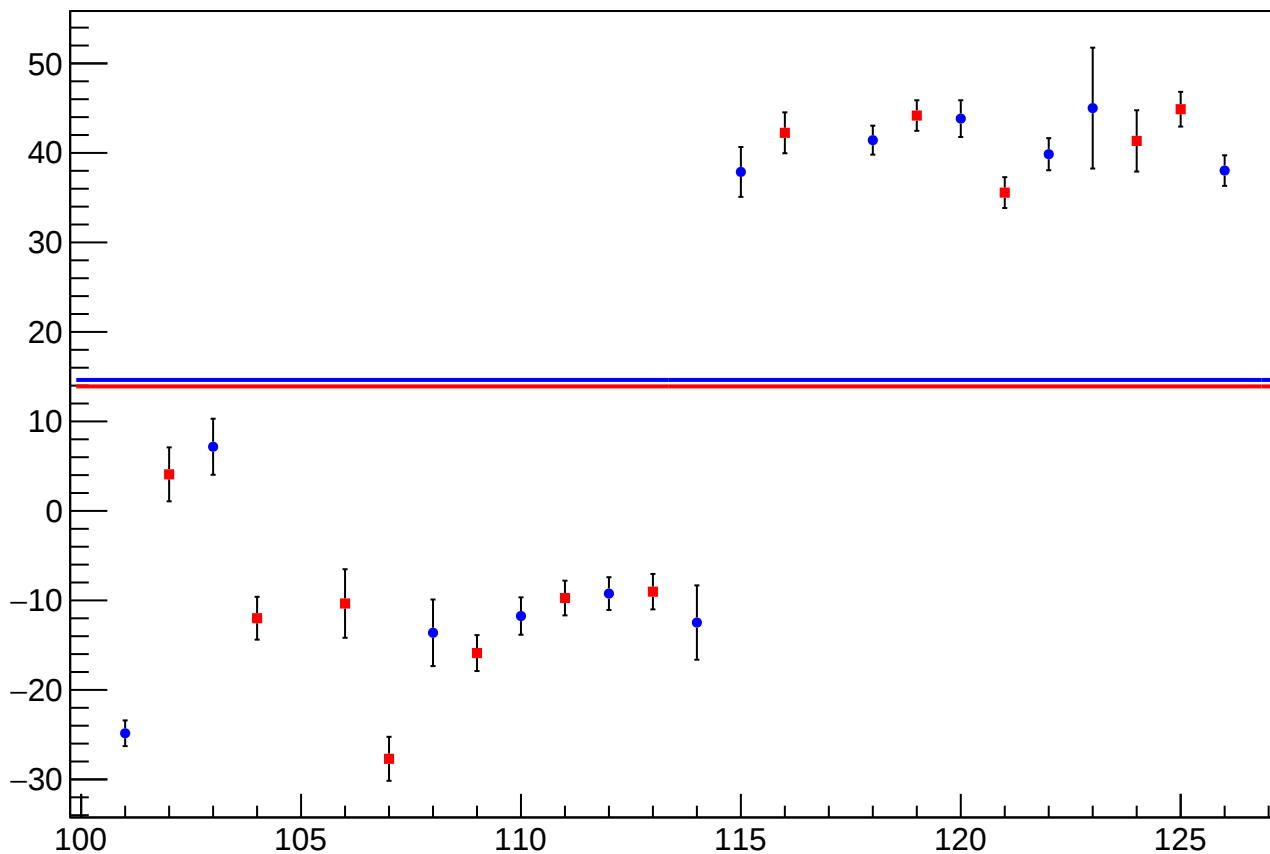
Right: -66.384+/-0.679  $\chi^2/\text{NDF}$ : 670.9/23

In: -64.693+/-0.977  $\chi^2/\text{NDF}$ :324.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -66.384+/-0.679  $\chi^2/\text{NDF}$ : 670.9/23

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 14.635+/-0.612  $\chi^2/\text{NDF}$ : 2143.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.913+/-0.631  $\chi^2/\text{NDF}$ : 1903.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

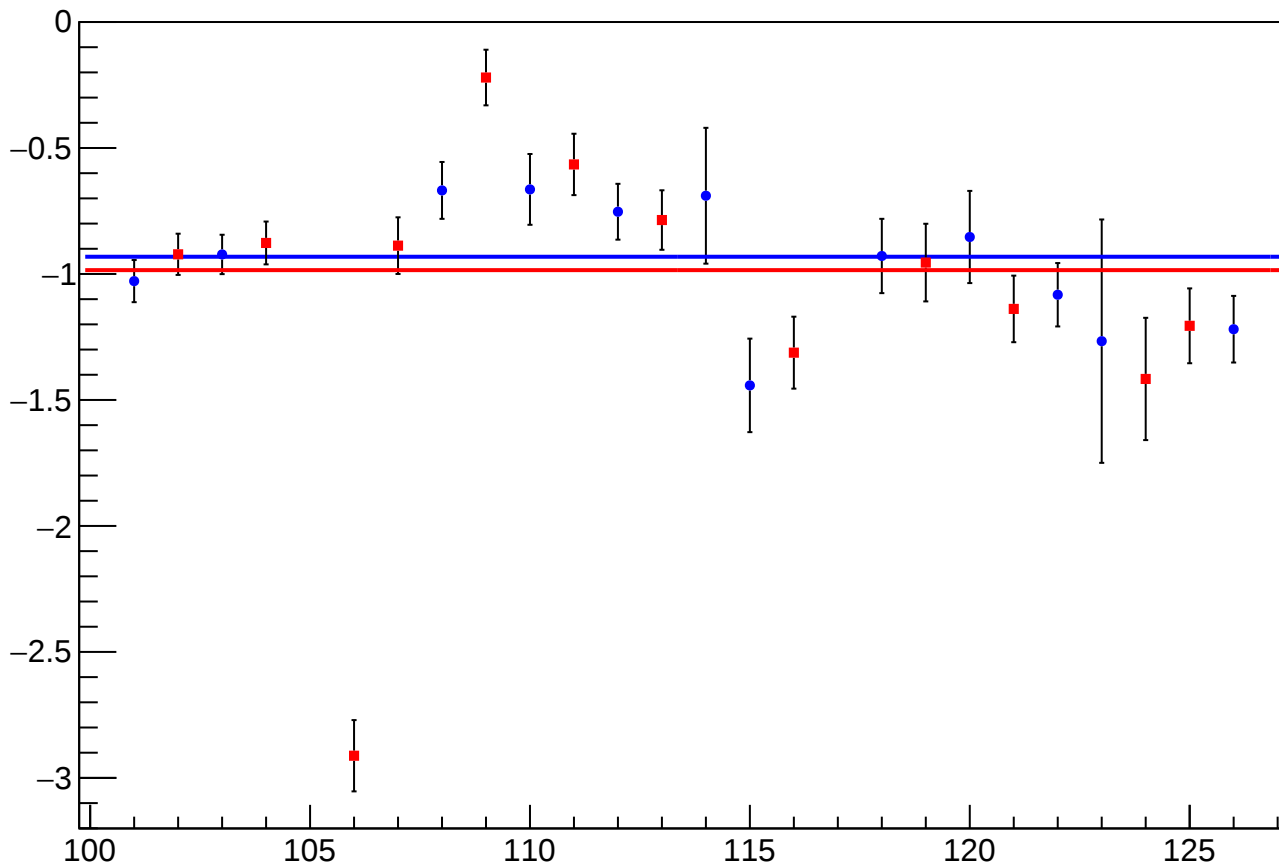
Right: 14.285+/-0.439  $\chi^2/\text{NDF}$ : 4047.1/23

In: 14.635+/-0.612  $\chi^2/\text{NDF}$ : 2143.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 14.285+/-0.439  $\chi^2/\text{NDF}$ : 4047.1/23

reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.932 \pm 0.036$   $\chi^2/\text{NDF}$ : 28.2/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.985 \pm 0.034$   $\chi^2/\text{NDF}$ : 263.3/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

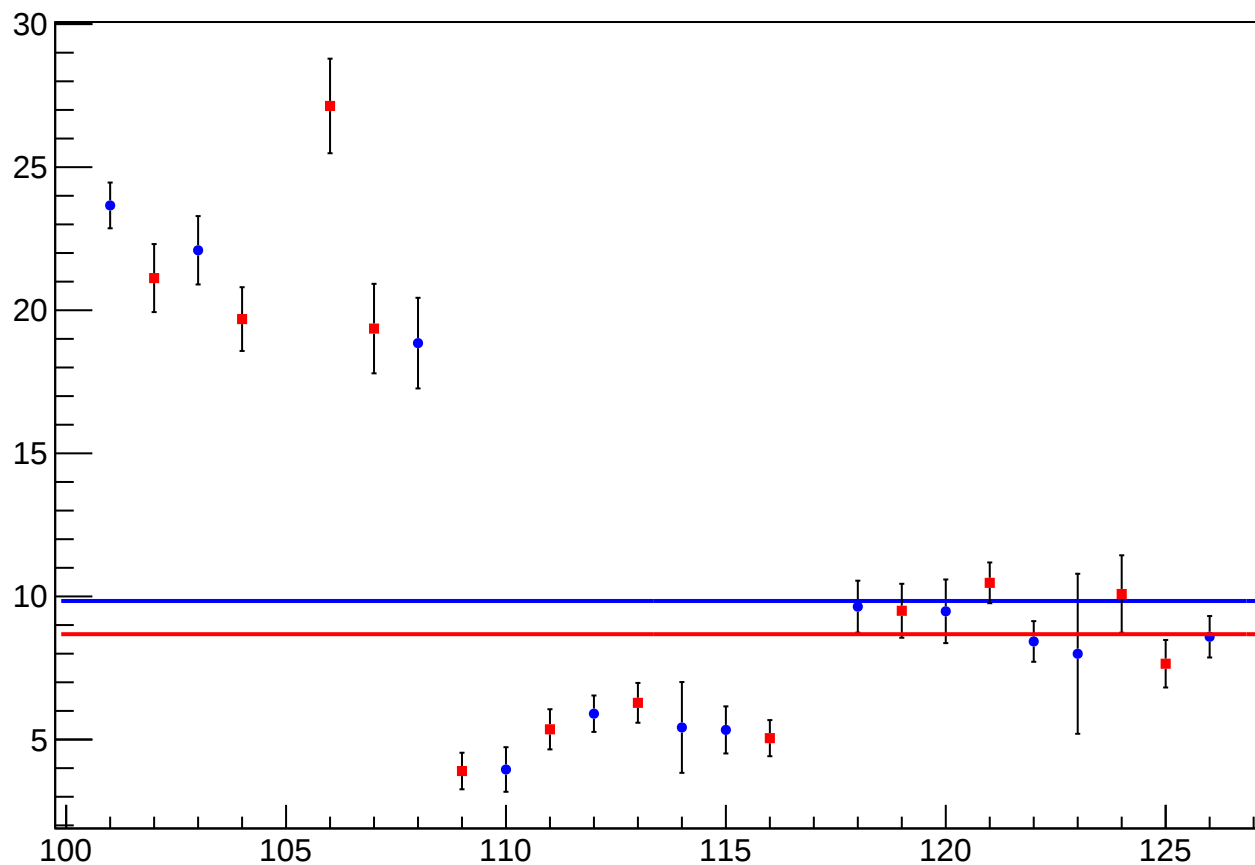
Right:  $-0.960 \pm 0.025$   $\chi^2/\text{NDF}$ : 292.6/23

In:  $-0.932 \pm 0.036$   $\chi^2/\text{NDF}$ : 28.2/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.960 \pm 0.025$   $\chi^2/\text{NDF}$ : 292.6/23

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 9.842 $\pm$ 0.261  $\chi^2$ /NDF: 577.3/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.681 $\pm$ 0.247  $\chi^2$ /NDF: 511.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

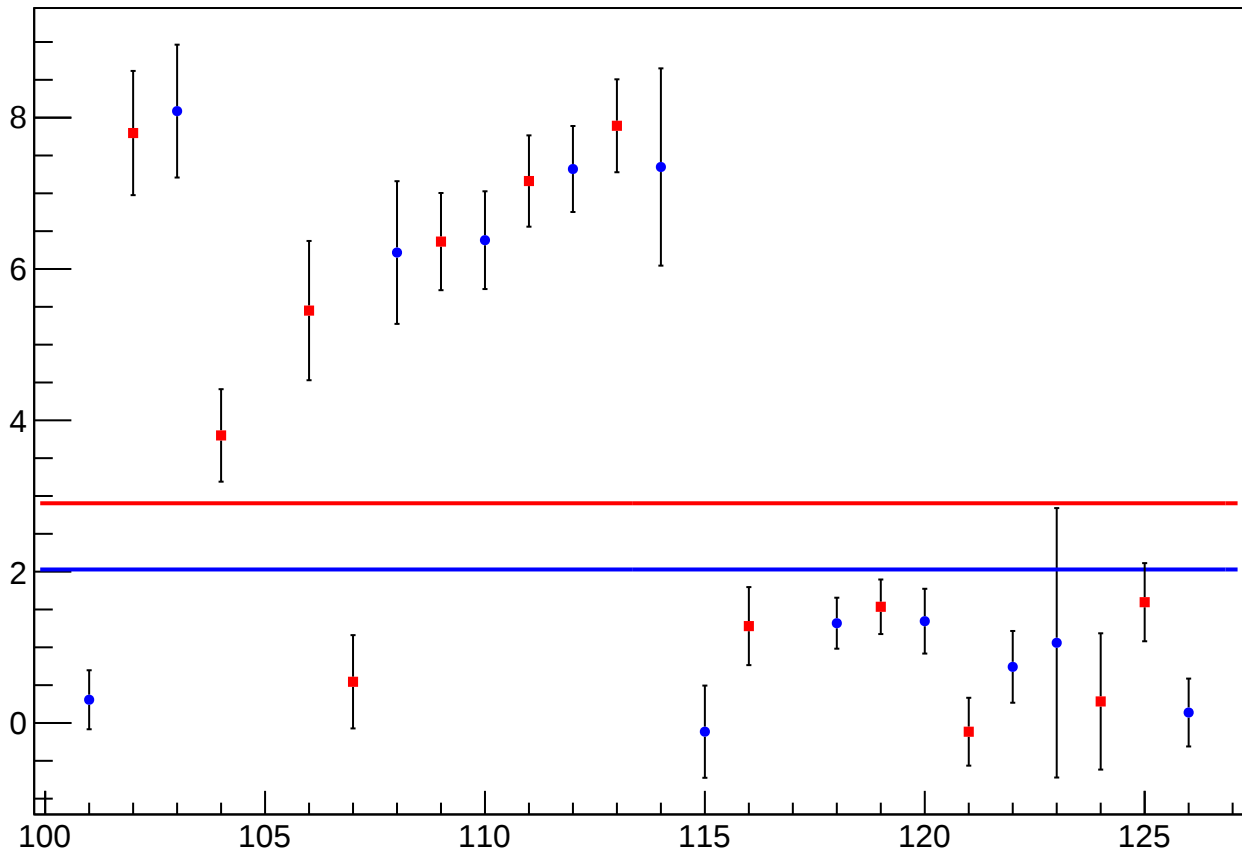
Right: 9.229 $\pm$ 0.179  $\chi^2$ /NDF: 1099.6/23

In: 9.842 $\pm$ 0.261  $\chi^2$ /NDF:577.3/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 9.229 $\pm$ 0.179  $\chi^2$ /NDF: 1099.6/23

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.029+/-0.155  $\chi^2/\text{NDF}$ : 280.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.904+/-0.164  $\chi^2/\text{NDF}$ : 289.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

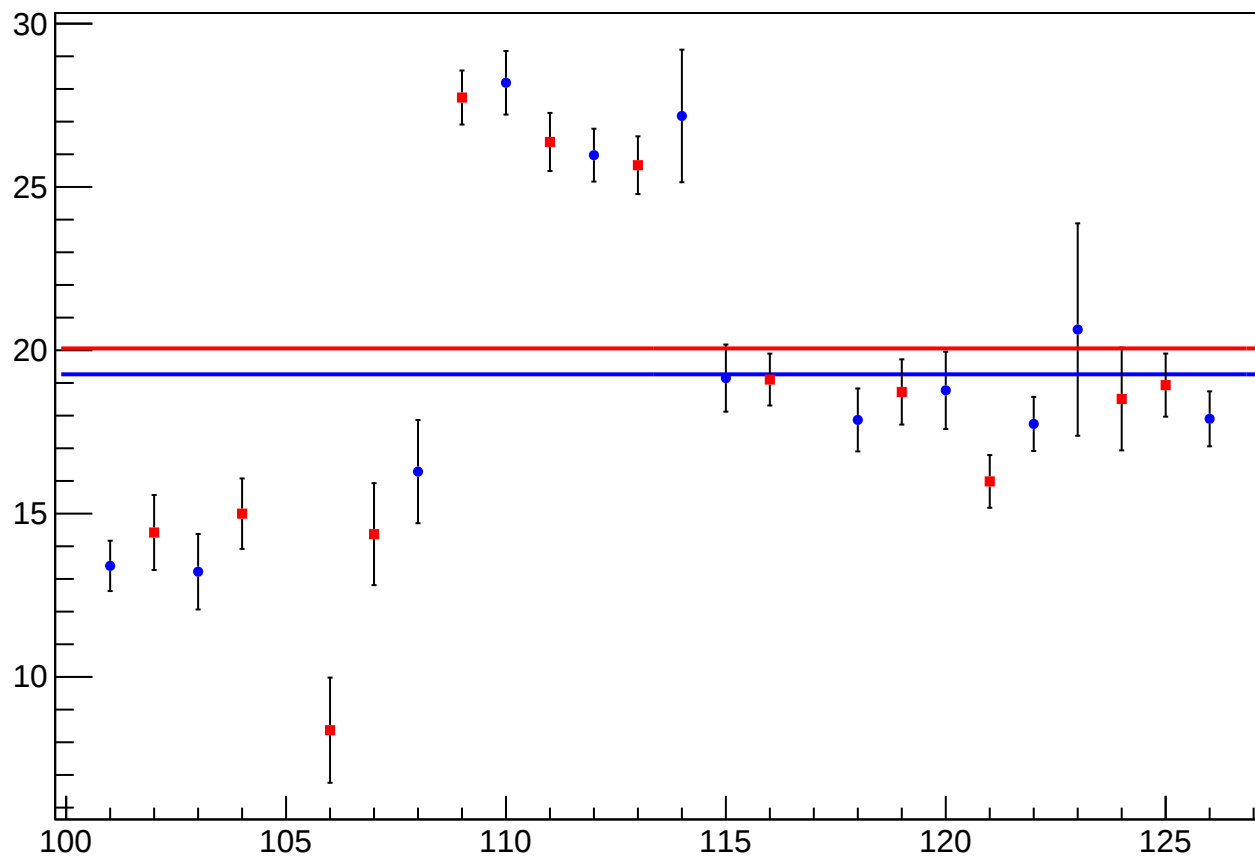
Right: 2.441+/-0.113  $\chi^2/\text{NDF}$ : 584.8/23

In: 2.029+/-0.155  $\chi^2/\text{NDF}$ : 280.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.441+/-0.113  $\chi^2/\text{NDF}$ : 584.8/23

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 19.264+/-0.297  $\chi^2$ /NDF: 265.2/11

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 20.057+/-0.288  $\chi^2$ /NDF: 320.2/11

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

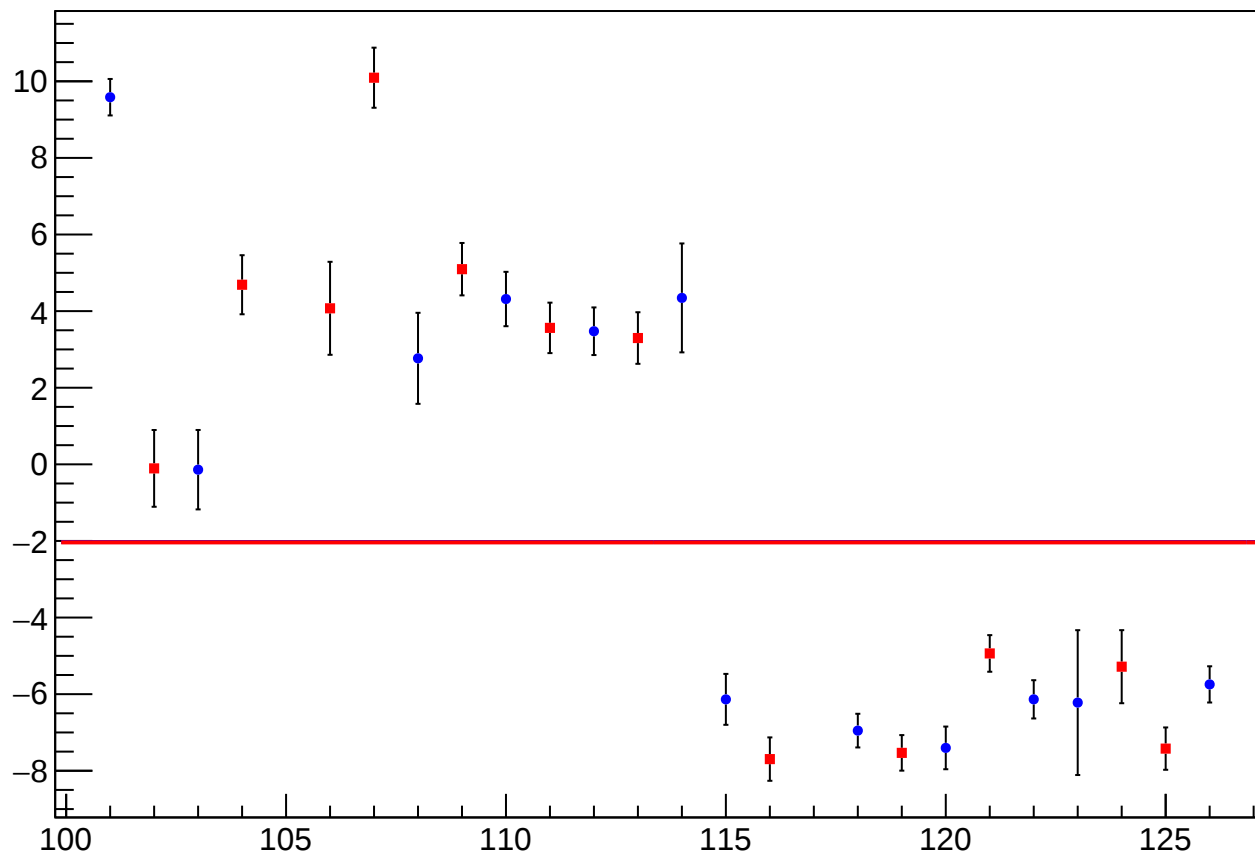
Right: 19.672+/-0.207  $\chi^2$ /NDF: 589.0/23

In: 19.264+/-0.297  $\chi^2$ /NDF: 265.2/11

Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 19.672+/-0.207  $\chi^2$ /NDF: 589.0/23

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.028+/-0.181  $\chi^2$ /NDF: 1184.0/11

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.038+/-0.189  $\chi^2$ /NDF: 971.4/11

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

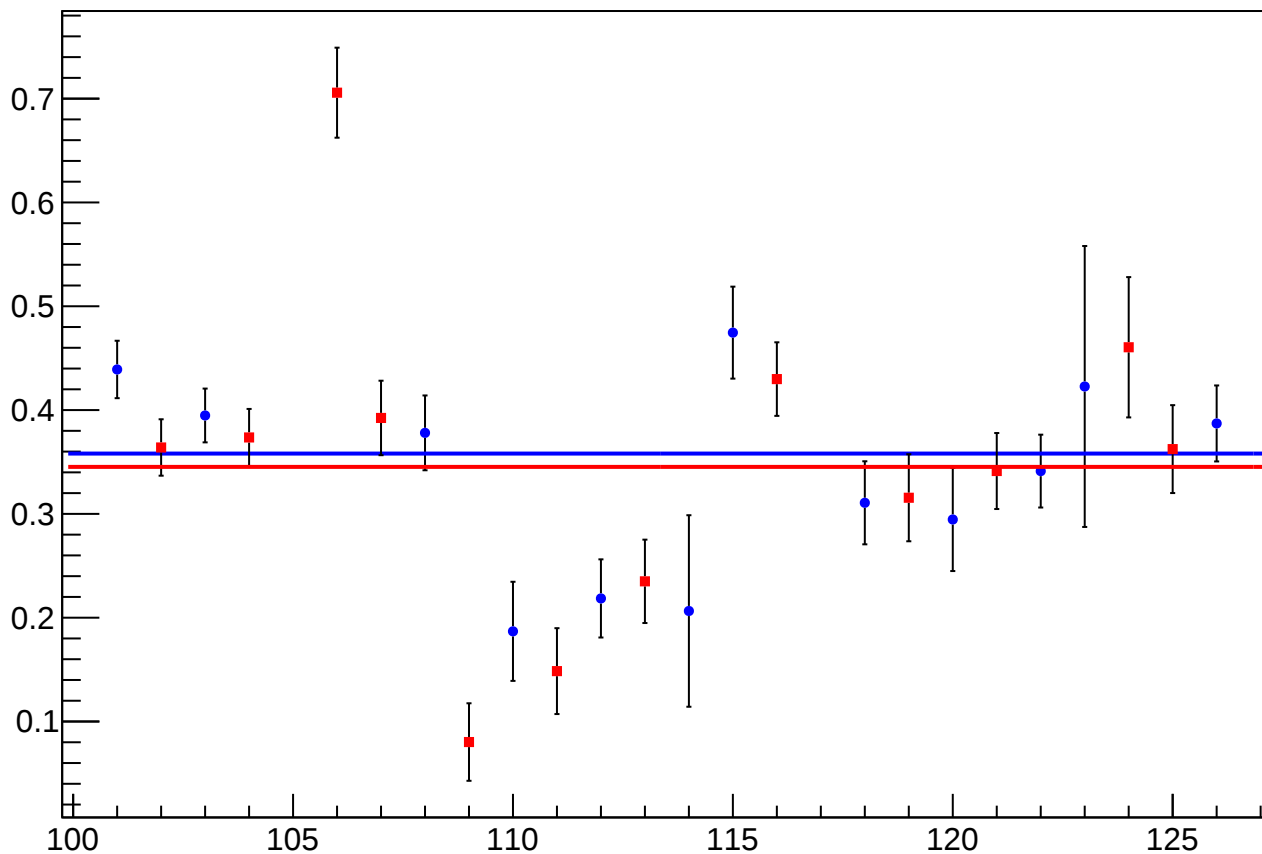
Right: -2.033+/-0.131  $\chi^2$ /NDF: 2155.4/23

In: -2.028+/-0.181  $\chi^2$ /NDF:1184.0/11

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.033+/-0.131  $\chi^2$ /NDF: 2155.4/23

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.358 $\pm$ 0.011  $\chi^2$ /NDF: 51.2/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.345 $\pm$ 0.011  $\chi^2$ /NDF: 162.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

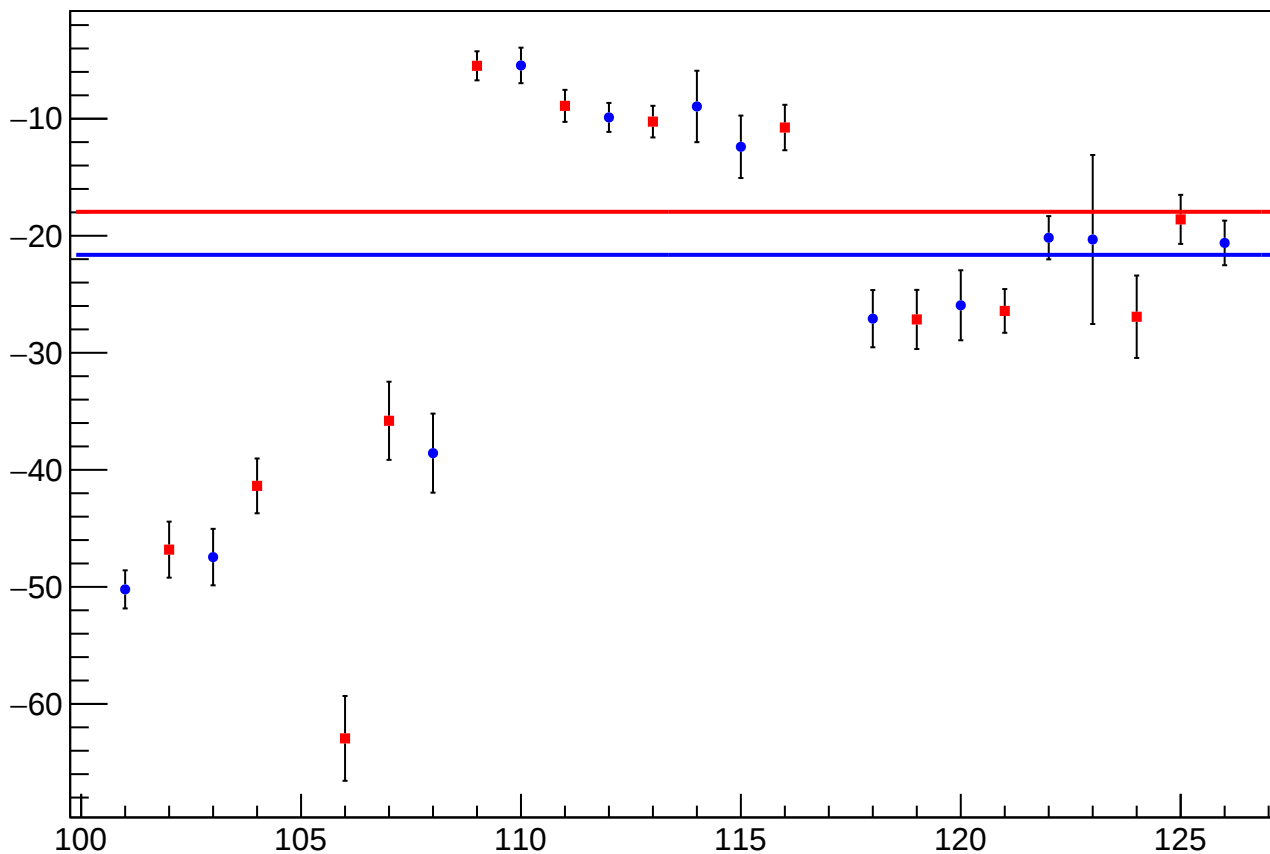
Right: 0.351 $\pm$ 0.008  $\chi^2$ /NDF: 214.1/23

In: 0.358 $\pm$ 0.011  $\chi^2$ /NDF:51.2/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.351 $\pm$ 0.008  $\chi^2$ /NDF: 214.1/23

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -21.631 $\pm$ 0.593  $\chi^2/\text{NDF}$ : 688.9/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -17.953 $\pm$ 0.553  $\chi^2/\text{NDF}$ : 659.8/11

Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

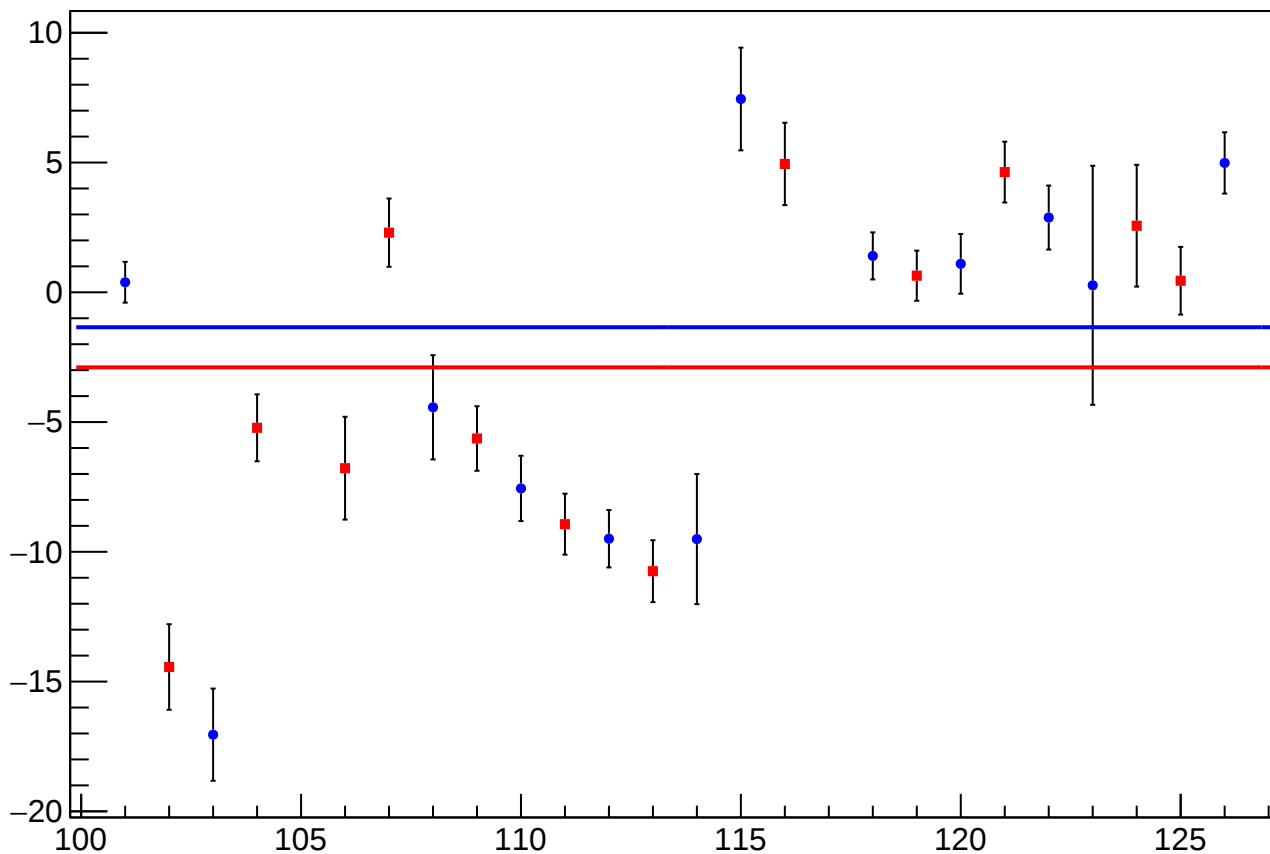
Right: -19.662 $\pm$ 0.404  $\chi^2/\text{NDF}$ : 1369.3/23

In: -21.631 $\pm$ 0.593  $\chi^2/\text{NDF}$ : 688.9/11

Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -19.662 $\pm$ 0.404  $\chi^2/\text{NDF}$ : 1369.3/23

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -1.345+/-0.367  $\chi^2/\text{NDF}$ : 248.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.891+/-0.382  $\chi^2/\text{NDF}$ : 237.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

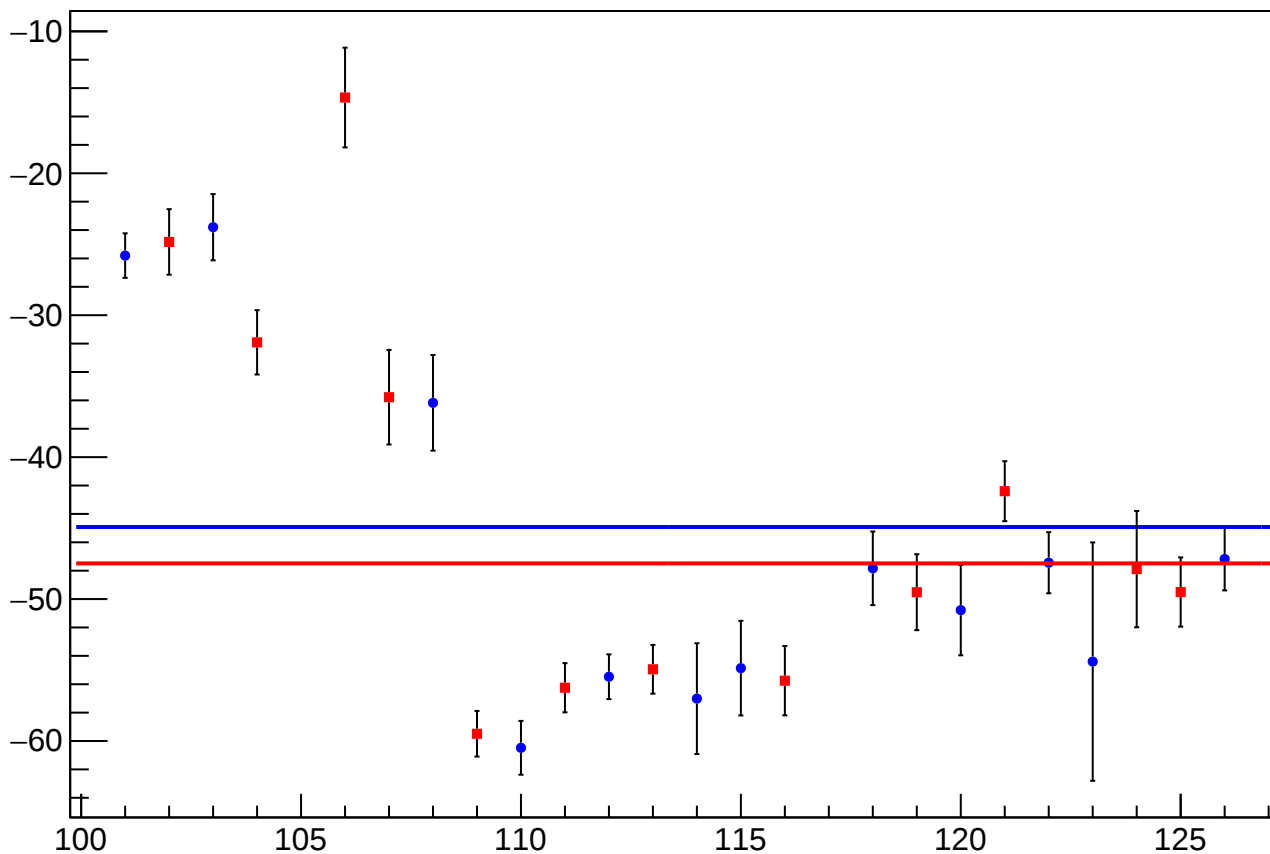
Right: -2.086+/-0.265  $\chi^2/\text{NDF}$ : 494.5/23

In: -1.345+/-0.367  $\chi^2/\text{NDF}$ : 248.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.086+/-0.265  $\chi^2/\text{NDF}$ : 494.5/23

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -44.923 $\pm$ 0.675  $\chi^2$ /NDF: 376.3/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -47.486 $\pm$ 0.649  $\chi^2$ /NDF: 361.7/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

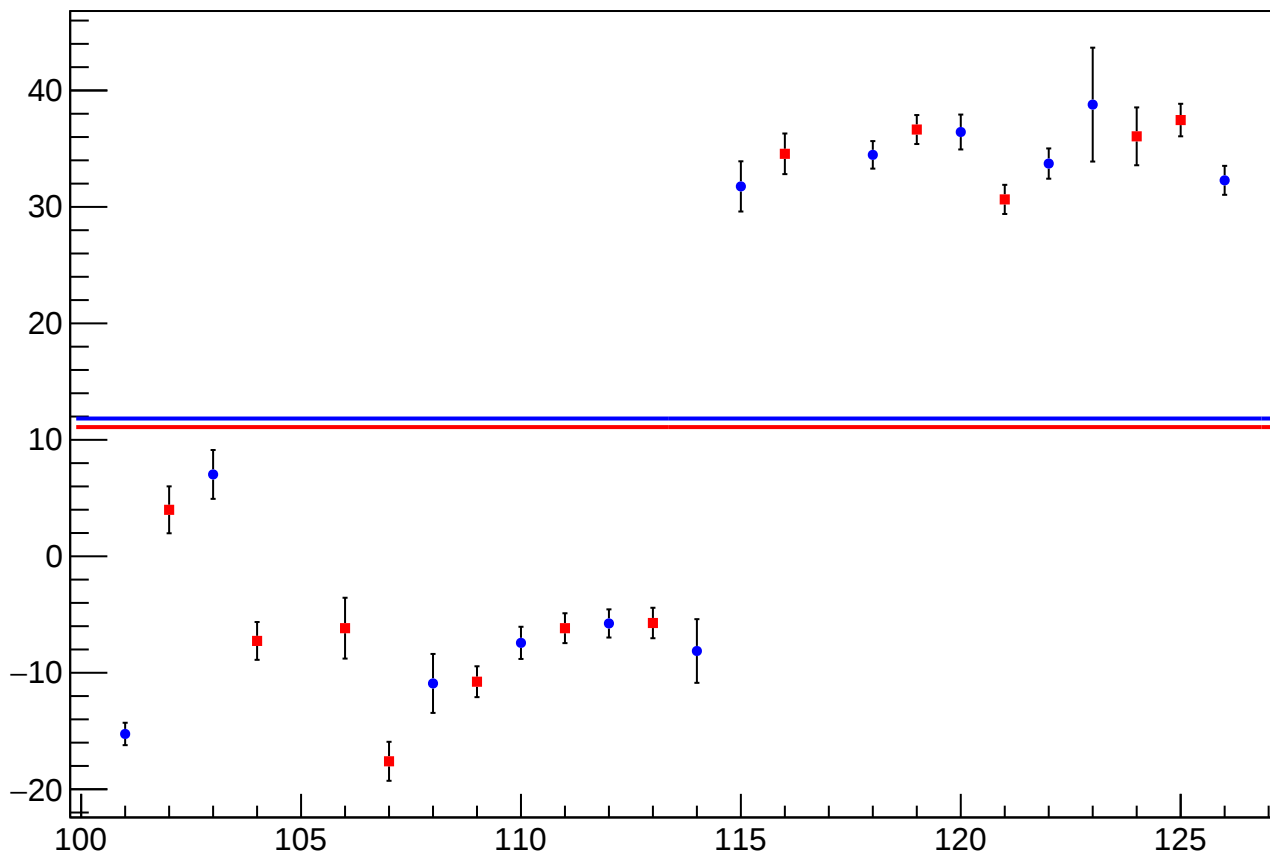
Right: -46.254 $\pm$ 0.468  $\chi^2$ /NDF: 745.5/23

In: -44.923 $\pm$ 0.675  $\chi^2$ /NDF:376.3/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -46.254 $\pm$ 0.468  $\chi^2$ /NDF: 745.5/23

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 11.831+/-0.428  $\chi^2/\text{NDF}$ : 2645.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.094+/-0.439  $\chi^2/\text{NDF}$ : 2401.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

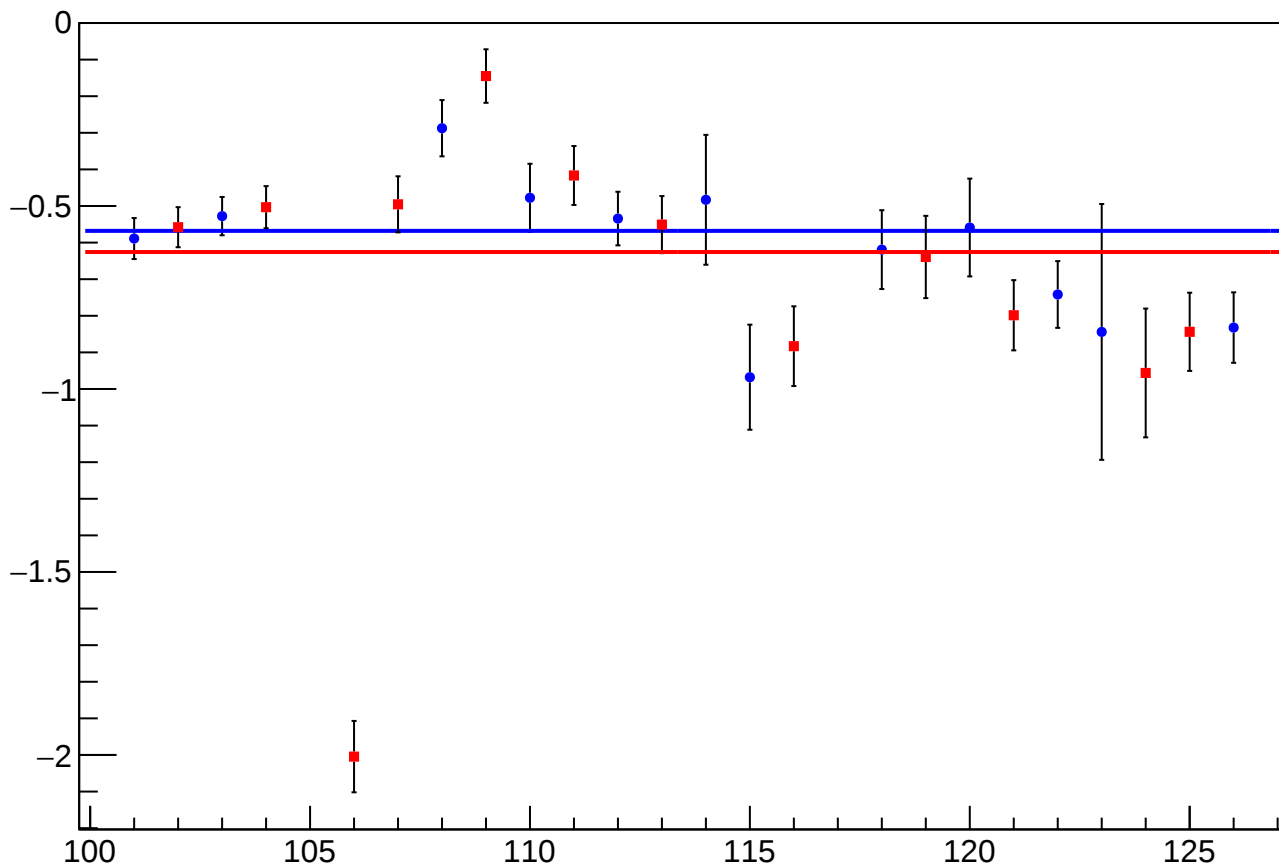
Right: 11.473+/-0.307  $\chi^2/\text{NDF}$ : 5048.3/23

In: 11.831+/-0.428  $\chi^2/\text{NDF}$ : 2645.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.473+/-0.307  $\chi^2/\text{NDF}$ : 5048.3/23

reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.568 \pm 0.025$   $\chi^2/\text{NDF}$ : 35.2/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.626 \pm 0.024$   $\chi^2/\text{NDF}$ : 276.3/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

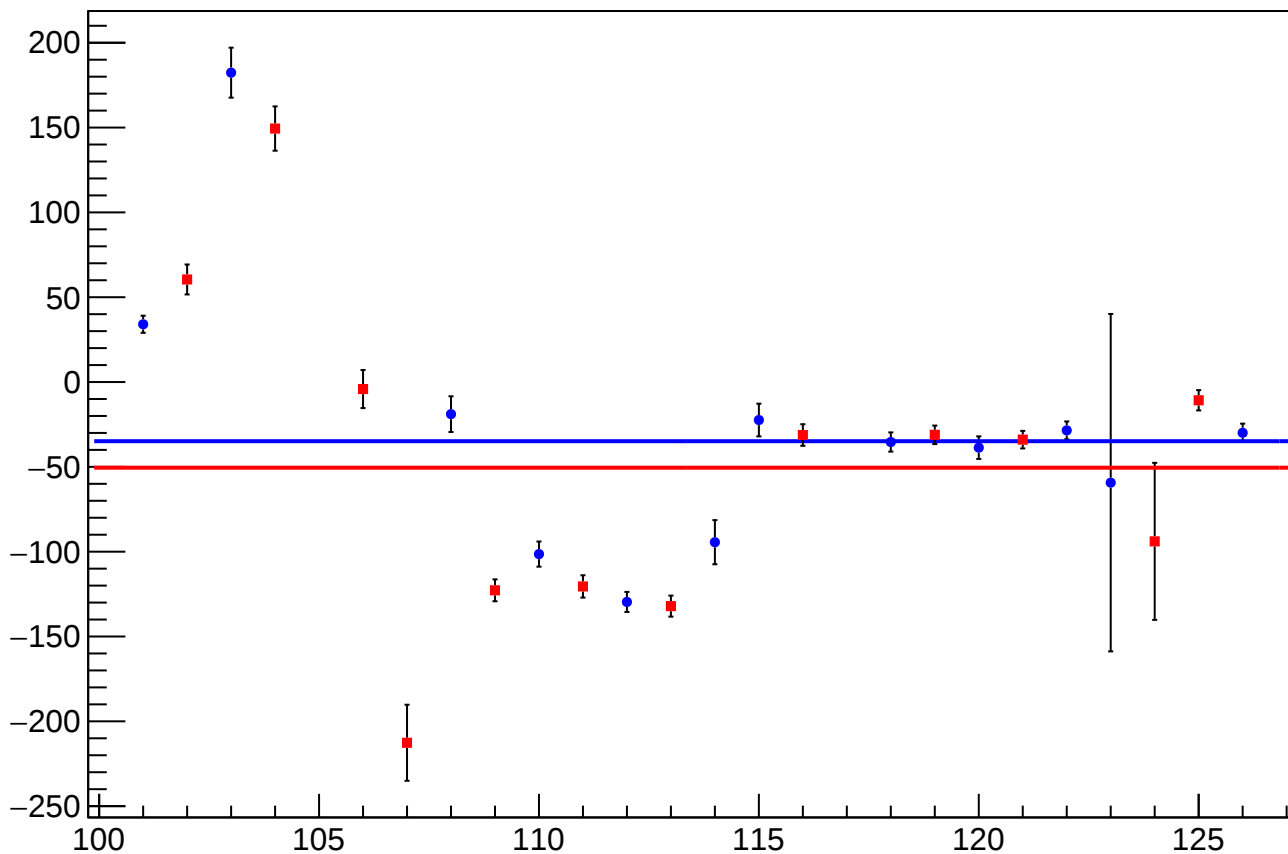
Right:  $-0.598 \pm 0.017$   $\chi^2/\text{NDF}$ : 314.4/23

In:  $-0.568 \pm 0.025$   $\chi^2/\text{NDF}$ : 35.2/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.598 \pm 0.017$   $\chi^2/\text{NDF}$ : 314.4/23

reg\_asym\_atl1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -34.880 $\pm$ 2.038  $\chi^2$ /NDF: 769.2/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -50.491 $\pm$ 2.104  $\chi^2$ /NDF: 950.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

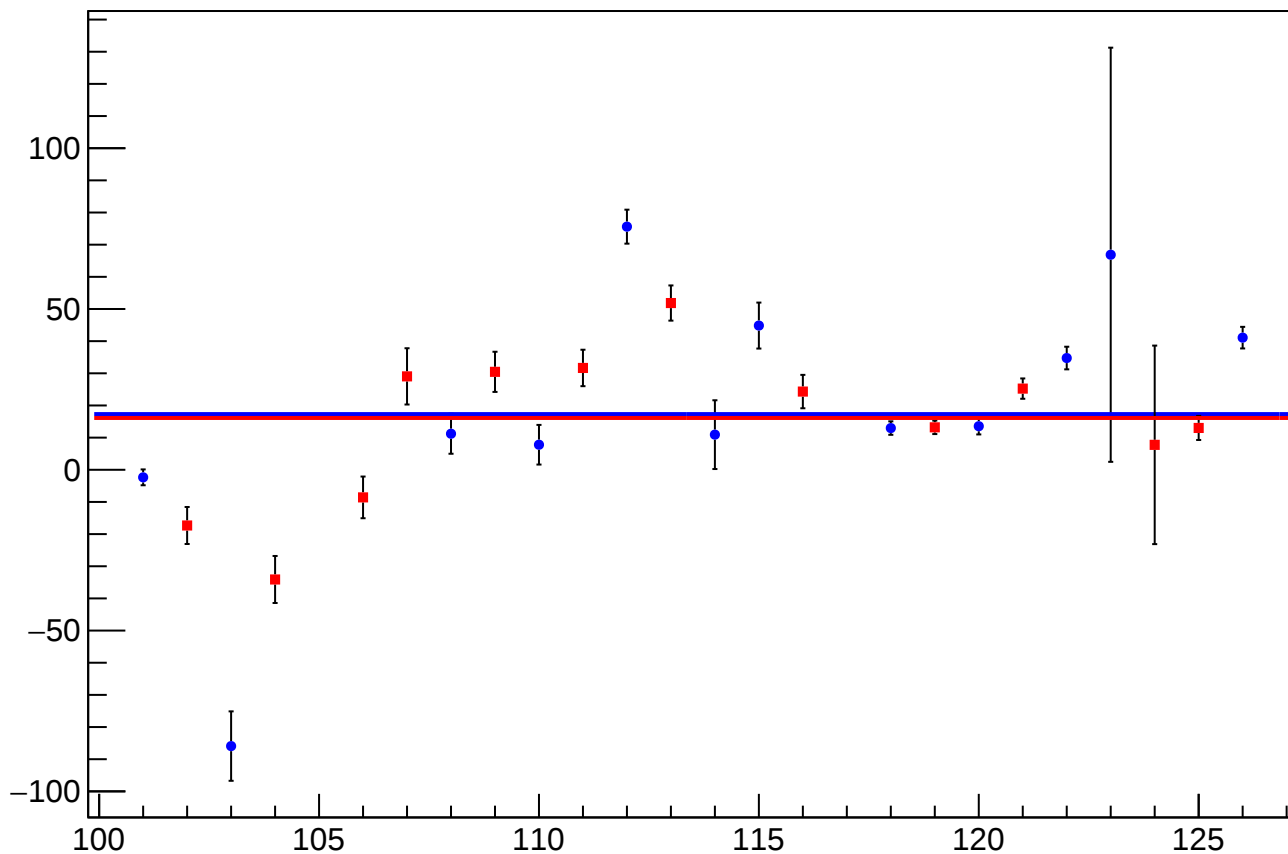
Right: -42.438 $\pm$ 1.464  $\chi^2$ /NDF: 1747.9/23

In: -34.880 $\pm$ 2.038  $\chi^2$ /NDF:769.2/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -42.438 $\pm$ 1.464  $\chi^2$ /NDF: 1747.9/23

reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 17.316+/-1.091  $\chi^2$ /NDF: 377.1/11

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 16.115+/-1.276  $\chi^2$ /NDF: 166.7/11

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

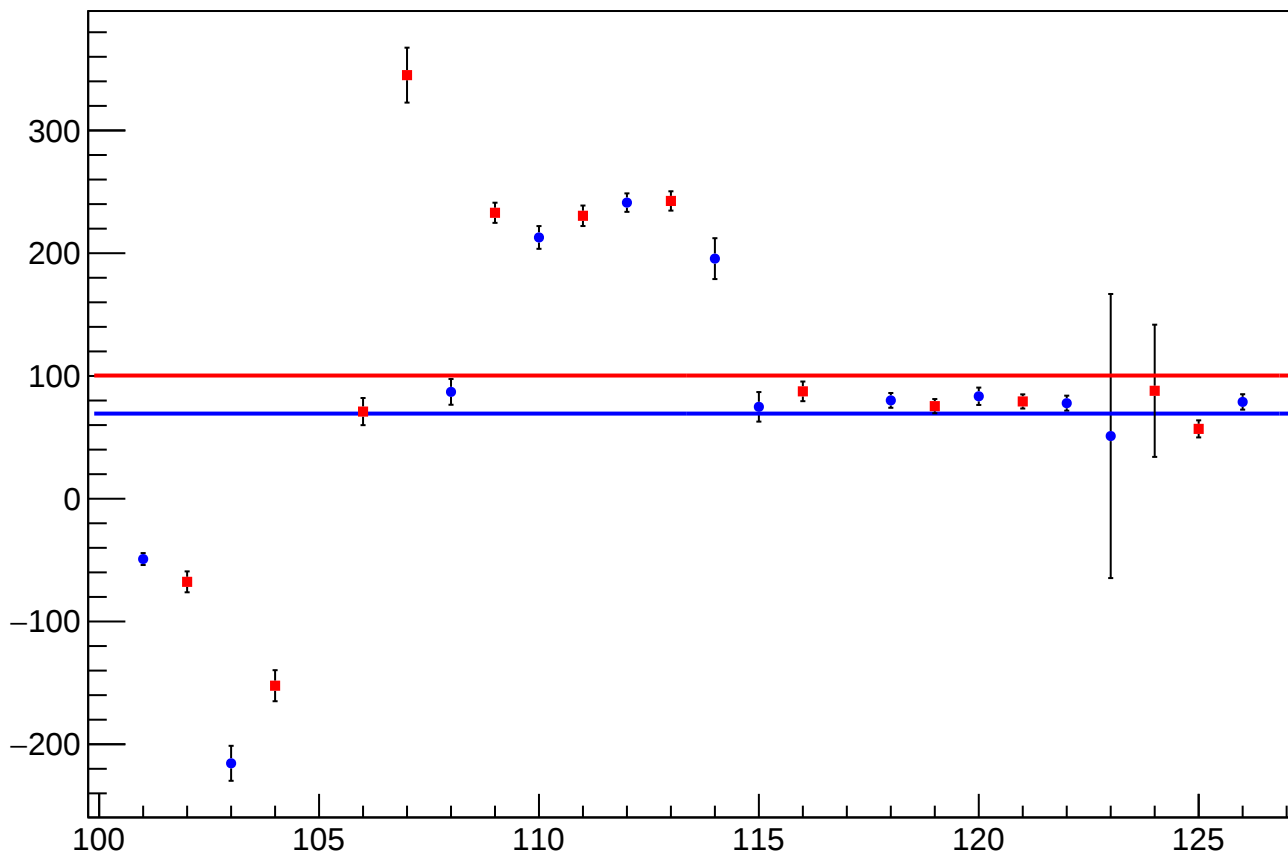
Right: 16.809+/-0.829  $\chi^2$ /NDF: 544.3/23

In: 17.316+/-1.091  $\chi^2$ /NDF:377.1/11

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 16.809+/-0.829  $\chi^2$ /NDF: 544.3/23

reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 69.354+/-2.260  $\chi^2/\text{NDF}$ : 1825.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 100.358+/-2.411  $\chi^2/\text{NDF}$ : 1818.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

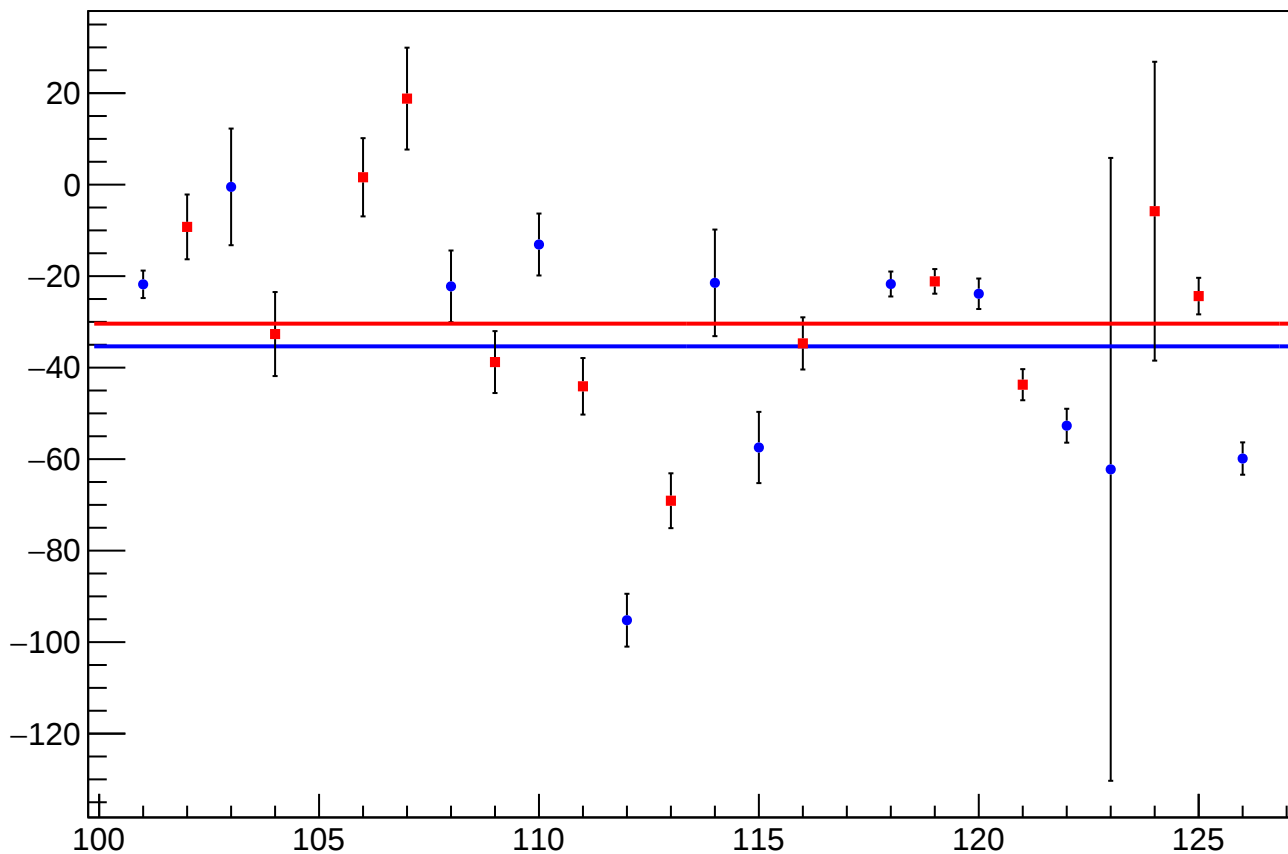
Right: 83.857+/-1.649  $\chi^2/\text{NDF}$ : 3732.8/23

In: 69.354+/-2.260  $\chi^2/\text{NDF}$ : 1825.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 83.857+/-1.649  $\chi^2/\text{NDF}$ : 3732.8/23

reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -35.350+/-1.306  $\chi^2/\text{NDF}$ : 265.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -30.386+/-1.494  $\chi^2/\text{NDF}$ : 121.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

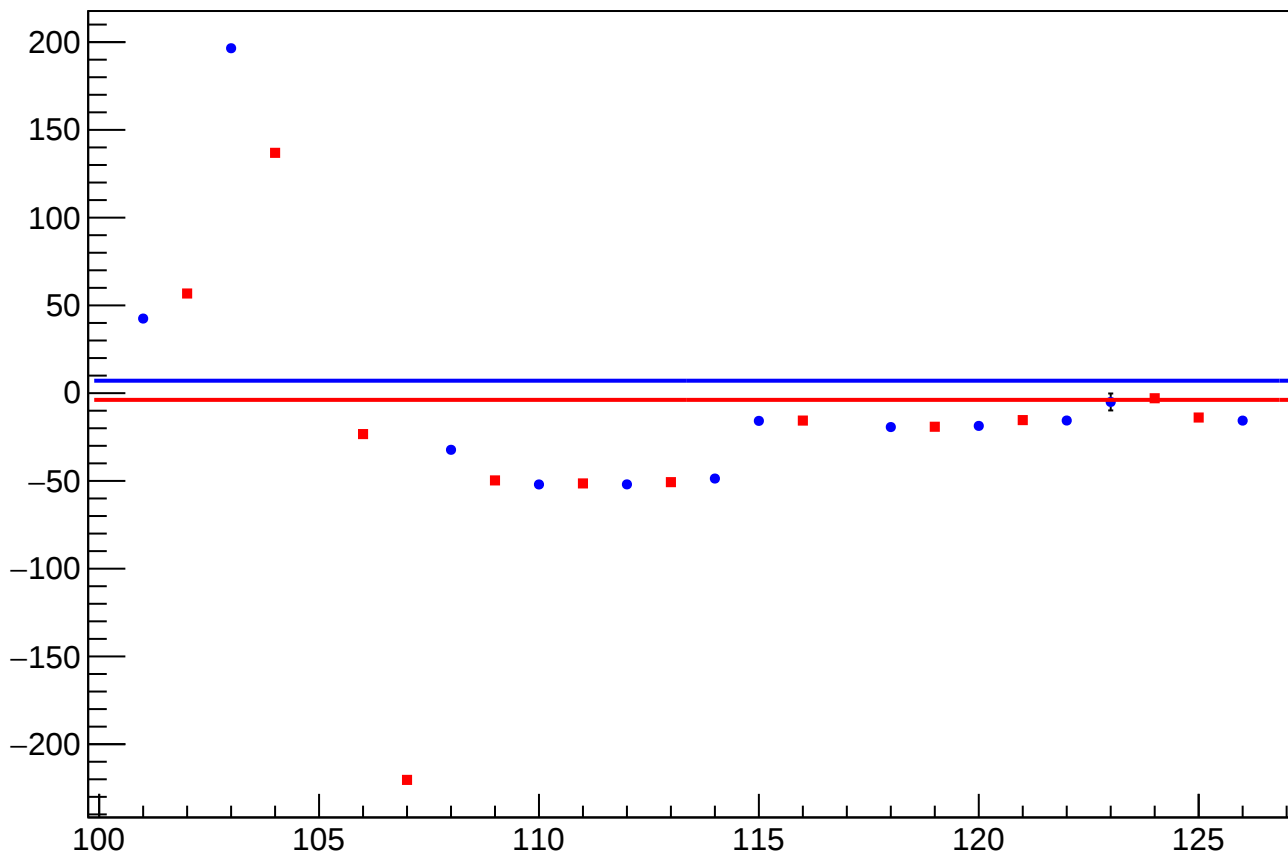
Right: -33.200+/-0.983  $\chi^2/\text{NDF}$ : 392.9/23

In: -35.350+/-1.306  $\chi^2/\text{NDF}$ : 265.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -33.200+/-0.983  $\chi^2/\text{NDF}$ : 392.9/23

reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 7.094+/-0.086  $\chi^2/\text{NDF}$ : 506229.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.824+/-0.090  $\chi^2/\text{NDF}$ : 519593.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

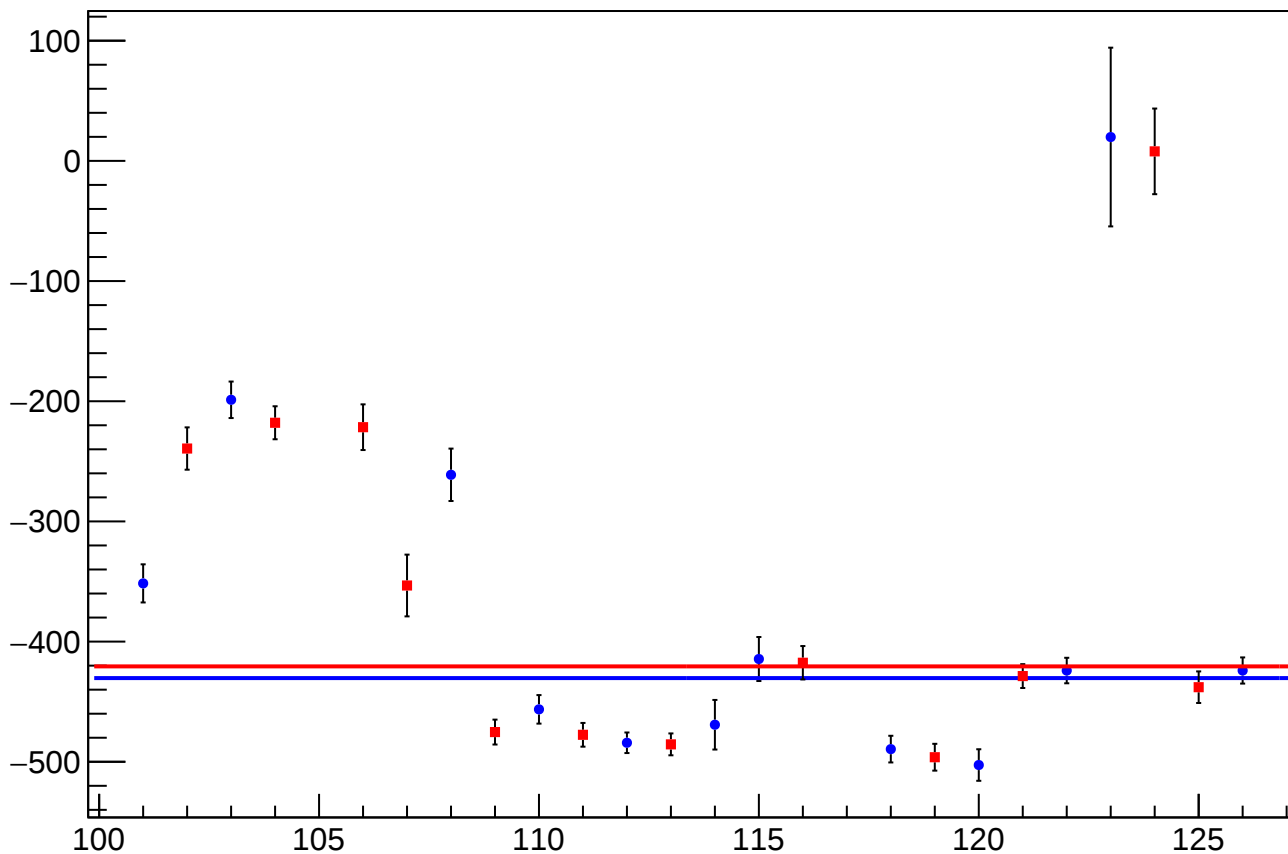
Right: 1.869+/-0.062  $\chi^2/\text{NDF}$ : 1033497.1/23

In: 7.094+/-0.086  $\chi^2/\text{NDF}$ : 506229.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.869+/-0.062  $\chi^2/\text{NDF}$ : 1033497.1/23

reg\_asym\_atl2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -430.362+/-3.836  $\chi^2/\text{NDF}$ : 462.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -420.630+/-3.665  $\chi^2/\text{NDF}$ : 745.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

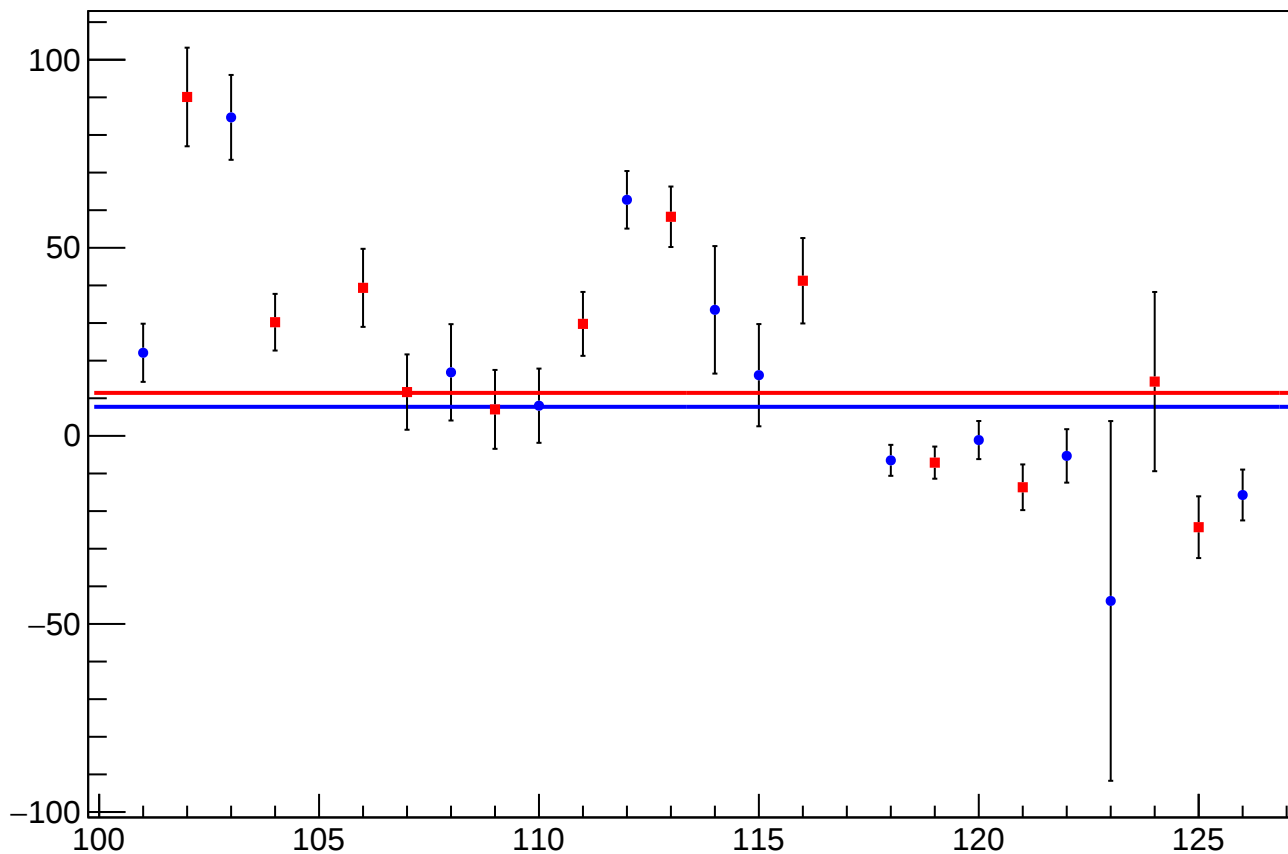
Right: -425.274+/-2.650  $\chi^2/\text{NDF}$ : 1211.3/23

In: -430.362+/-3.836  $\chi^2/\text{NDF}$ : 462.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -425.274+/-2.650  $\chi^2/\text{NDF}$ : 1211.3/23

reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.725+/-2.198  $\chi^2/\text{NDF}$ : 136.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.429+/-2.310  $\chi^2/\text{NDF}$ : 150.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

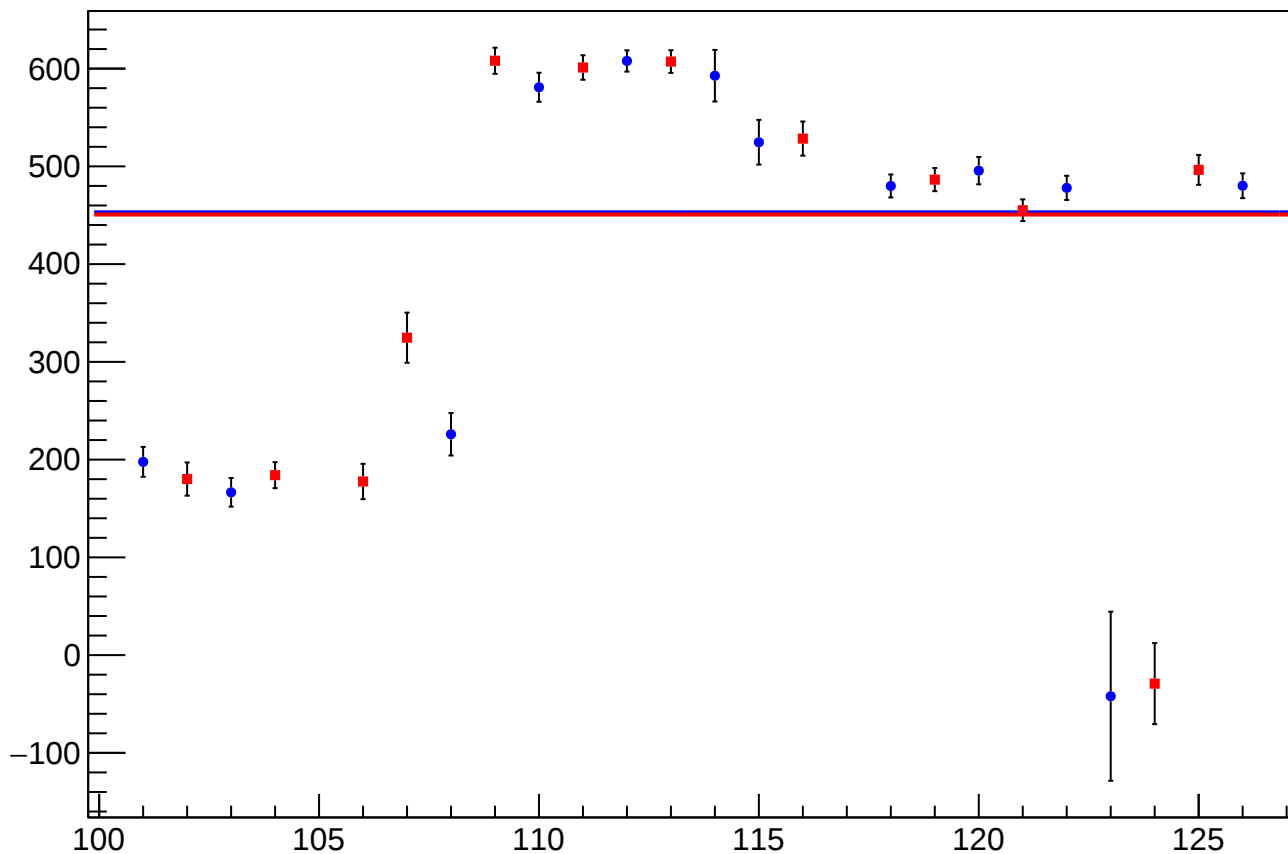
Right: 9.485+/-1.592  $\chi^2/\text{NDF}$ : 287.7/23

In: 7.725+/-2.198  $\chi^2/\text{NDF}$ : 136.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.485+/-1.592  $\chi^2/\text{NDF}$ : 287.7/23

reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 452.992 $\pm$ 4.361  $\chi^2$ /NDF: 1138.6/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 450.701 $\pm$ 4.205  $\chi^2$ /NDF: 1545.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

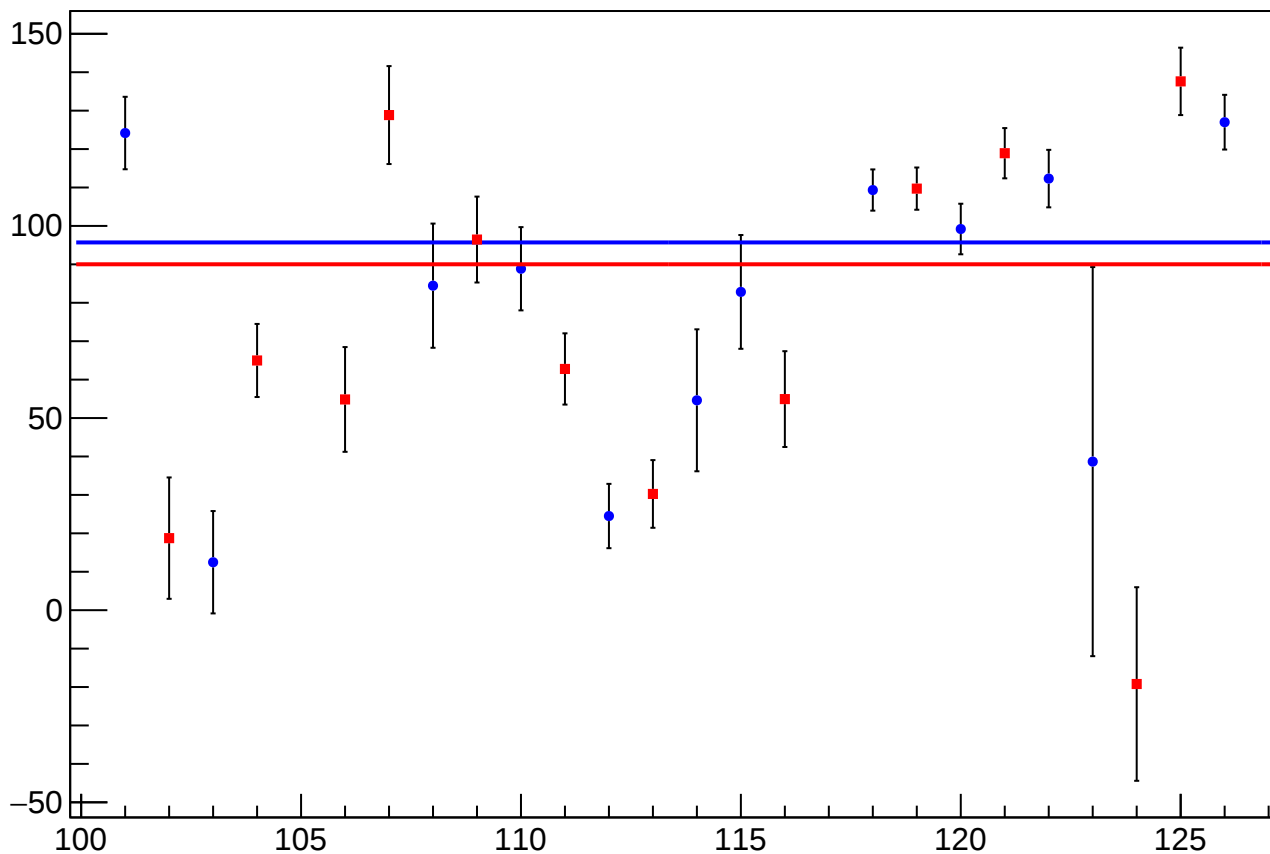
Right: 451.805 $\pm$ 3.027  $\chi^2$ /NDF: 2684.2/23

In: 452.992 $\pm$ 4.361  $\chi^2$ /NDF:1138.6/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 451.805 $\pm$ 3.027  $\chi^2$ /NDF: 2684.2/23

reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 95.705+/-2.610  $\chi^2/\text{NDF}$ : 159.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 90.018+/-2.705  $\chi^2/\text{NDF}$ : 186.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

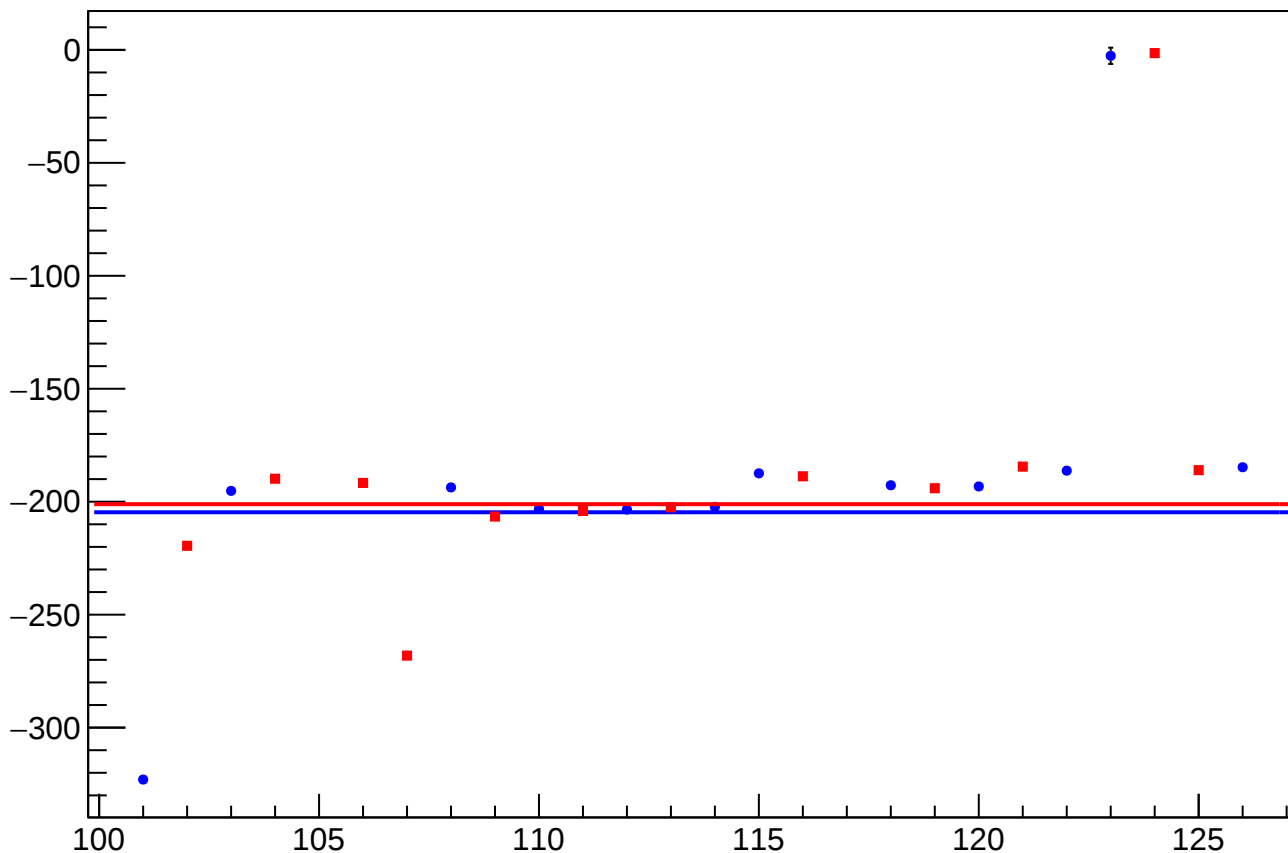
Right: 92.964+/-1.878  $\chi^2/\text{NDF}$ : 348.5/23

In: 95.705+/-2.610  $\chi^2/\text{NDF}$ : 159.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 92.964+/-1.878  $\chi^2/\text{NDF}$ : 348.5/23

reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -204.675+/-0.162  $\chi^2/\text{NDF}$ : 54461.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -201.101+/-0.153  $\chi^2/\text{NDF}$ : 31223.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

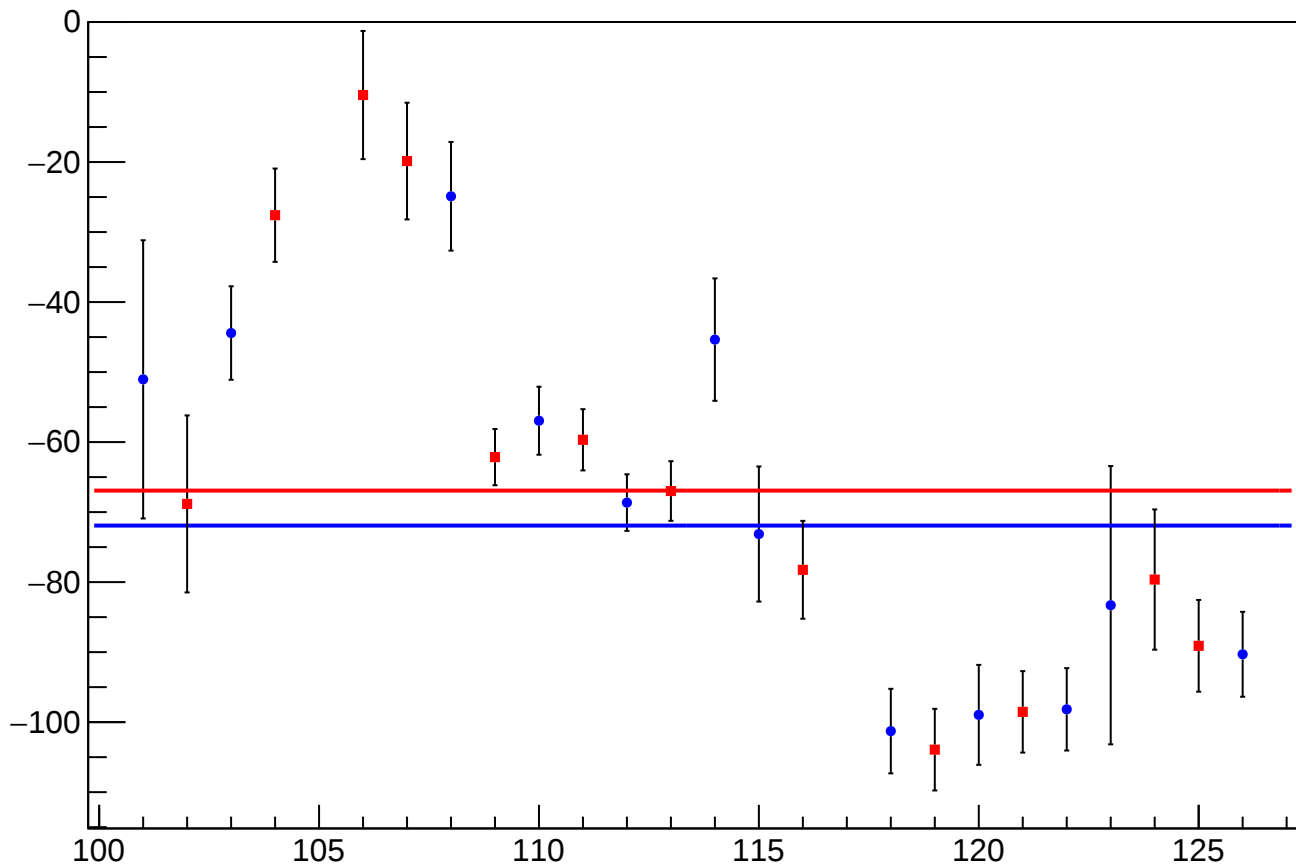
Right: -202.783+/-0.111  $\chi^2/\text{NDF}$ : 85942.7/23

In: -204.675+/-0.162  $\chi^2/\text{NDF}$ : 54461.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -202.783+/-0.111  $\chi^2/\text{NDF}$ : 85942.7/23

reg\_asym\_atr1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -71.925+/-1.908  $\chi^2/\text{NDF}$ : 141.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -66.927+/-1.722  $\chi^2/\text{NDF}$ : 194.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

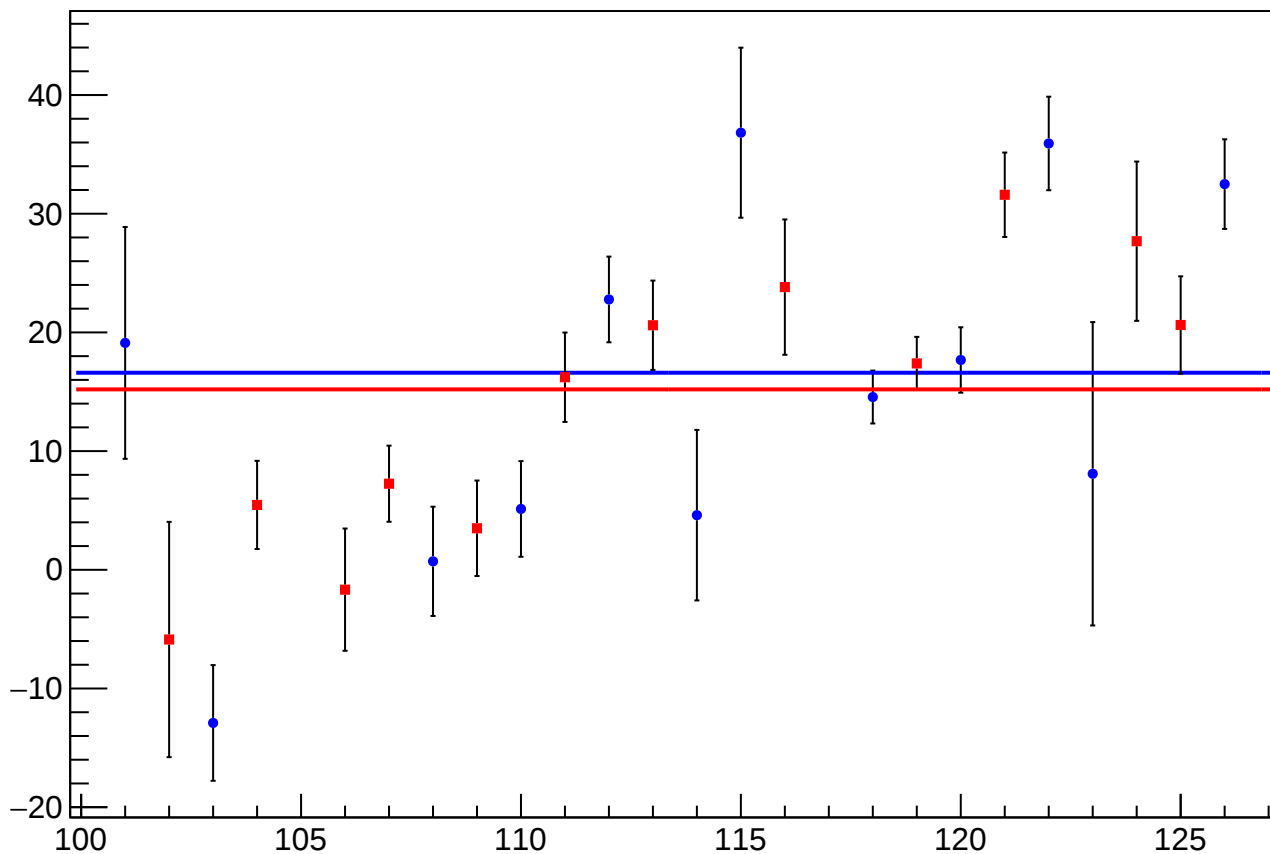
Right: -69.171+/-1.278  $\chi^2/\text{NDF}$ : 339.9/23

In: -71.925+/-1.908  $\chi^2/\text{NDF}$ : 141.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -69.171+/-1.278  $\chi^2/\text{NDF}$ : 339.9/23

reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 16.602 $\pm$ 1.154  $\chi^2$ /NDF: 113.6/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 15.200 $\pm$ 1.109  $\chi^2$ /NDF: 68.6/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

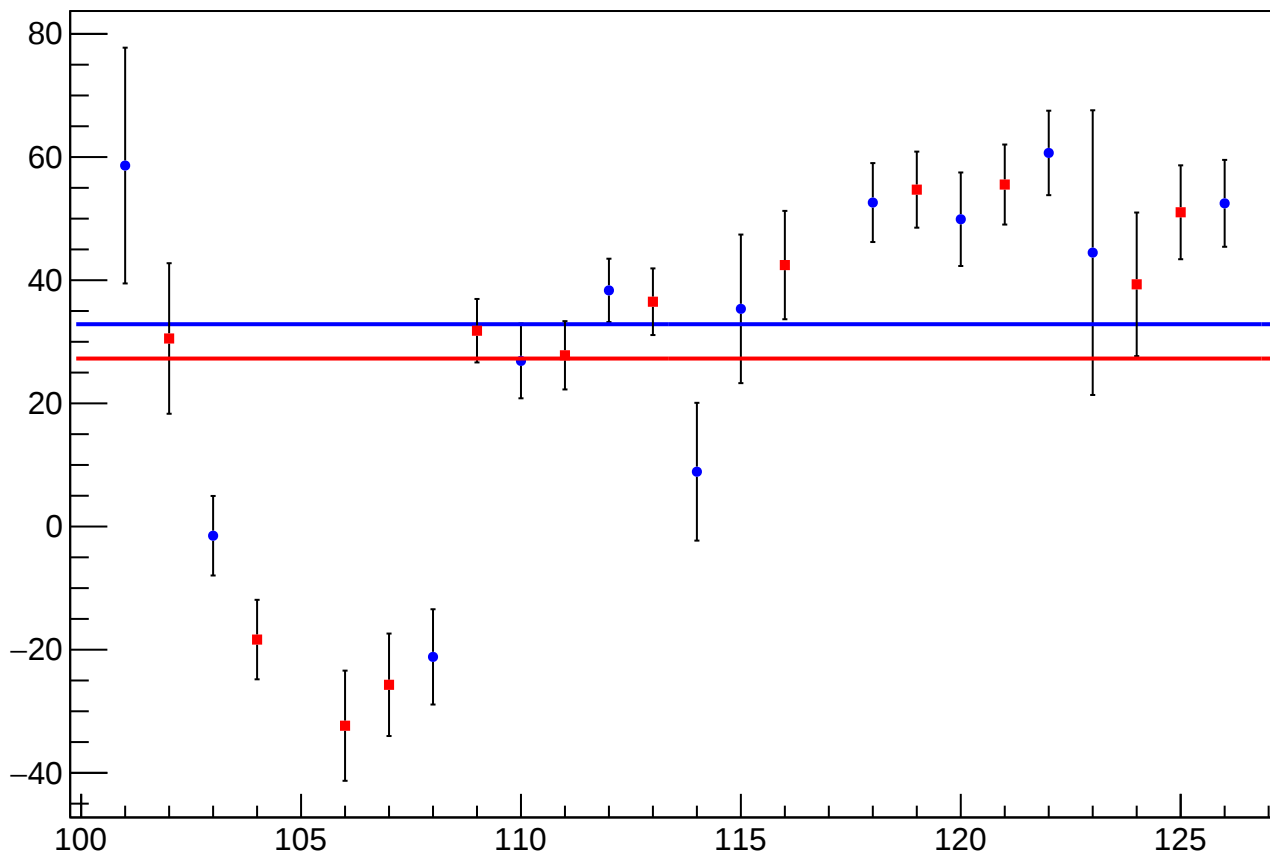
Right: 15.874 $\pm$ 0.800  $\chi^2$ /NDF: 183.0/23

In: 16.602 $\pm$ 1.154  $\chi^2$ /NDF: 113.6/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 15.874 $\pm$ 0.800  $\chi^2$ /NDF: 183.0/23

reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 32.855+/-2.192  $\chi^2/\text{NDF}$ : 124.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 27.280+/-2.003  $\chi^2/\text{NDF}$ : 191.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

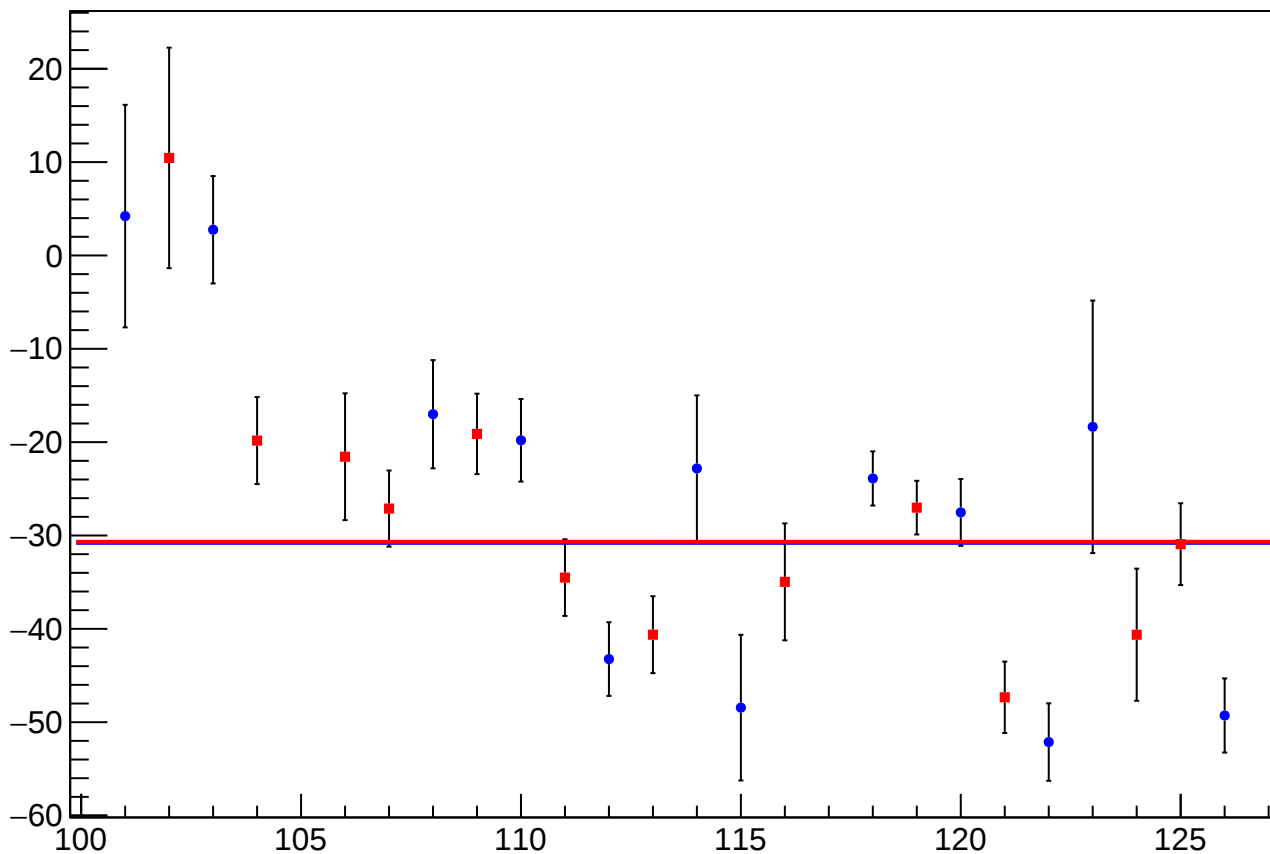
Right: 29.816+/-1.479  $\chi^2/\text{NDF}$ : 319.2/23

In: 32.855+/-2.192  $\chi^2/\text{NDF}$ : 124.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 29.816+/-1.479  $\chi^2/\text{NDF}$ : 319.2/23

reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -30.784+/-1.362  $\chi^2/\text{NDF}$ : 126.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -30.675+/-1.298  $\chi^2/\text{NDF}$ : 57.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

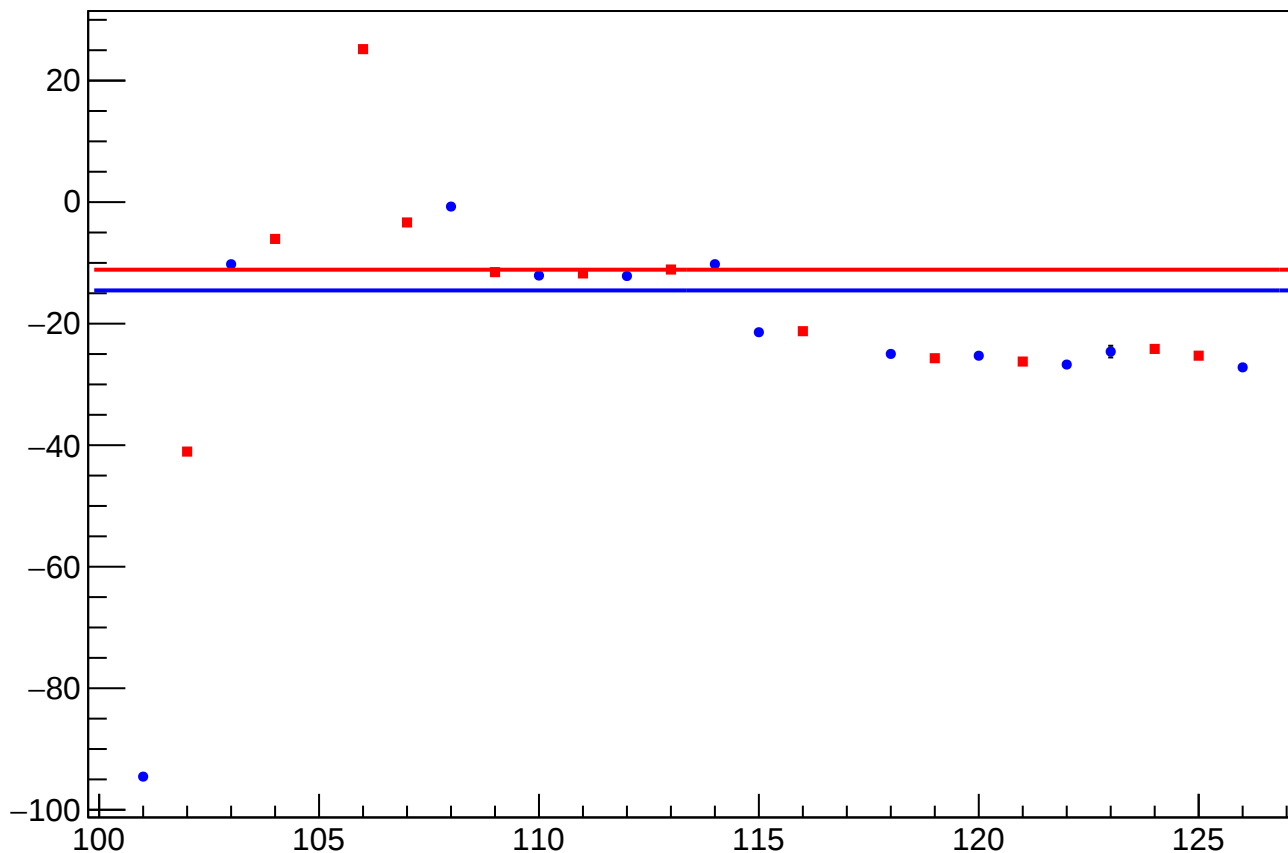
Right: -30.727+/-0.939  $\chi^2/\text{NDF}$ : 183.0/23

In: -30.784+/-1.362  $\chi^2/\text{NDF}$ : 126.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -30.727+/-0.939  $\chi^2/\text{NDF}$ : 183.0/23

reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -14.531+/-0.078  $\chi^2/\text{NDF}$ : 27329.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -11.119+/-0.072  $\chi^2/\text{NDF}$ : 45893.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

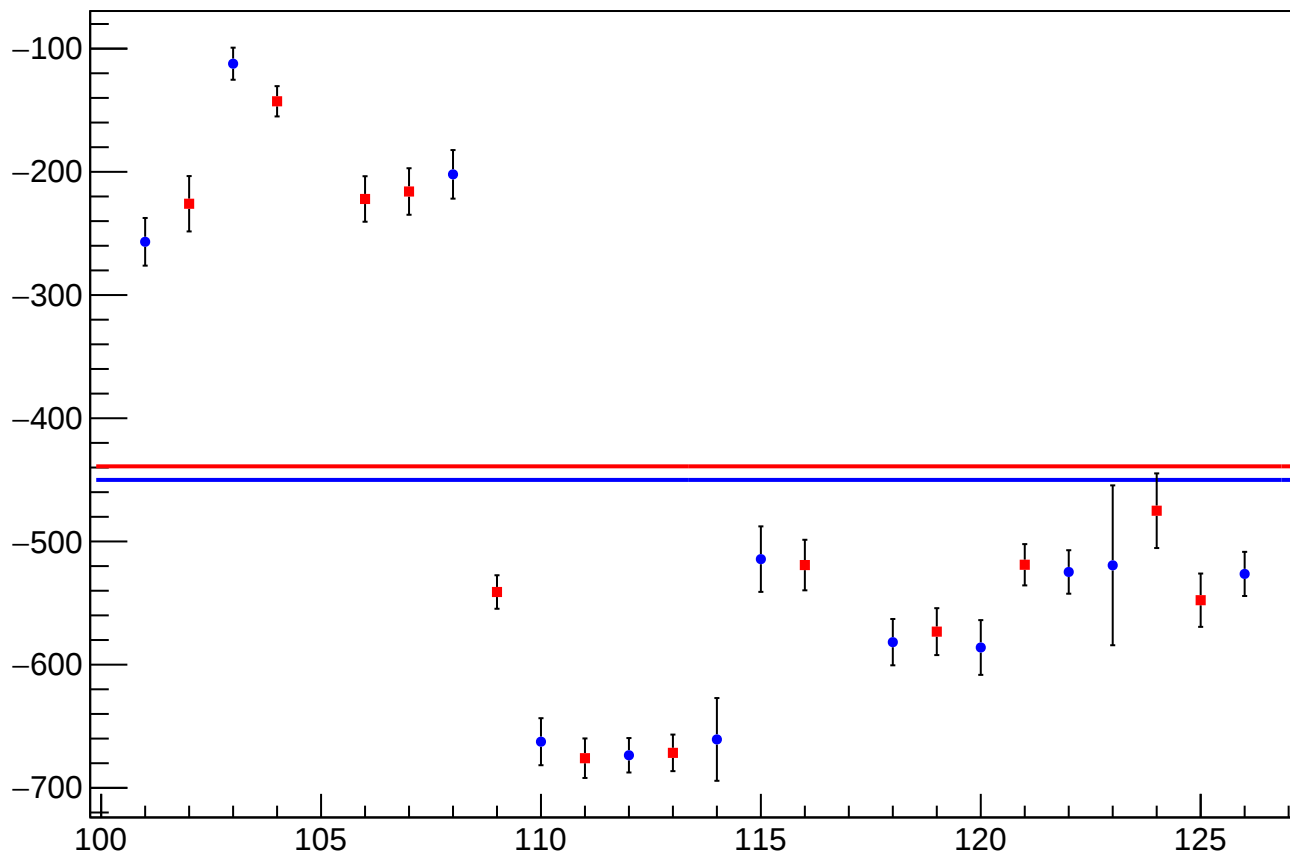
Right: -12.694+/-0.053  $\chi^2/\text{NDF}$ : 74263.9/23

In: -14.531+/-0.078  $\chi^2/\text{NDF}$ : 27329.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -12.694+/-0.053  $\chi^2/\text{NDF}$ : 74263.9/23

reg\_asym\_atr2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -450.048+/-5.527  $\chi^2/\text{NDF}$ : 1480.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -439.030+/-4.995  $\chi^2/\text{NDF}$ : 1582.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

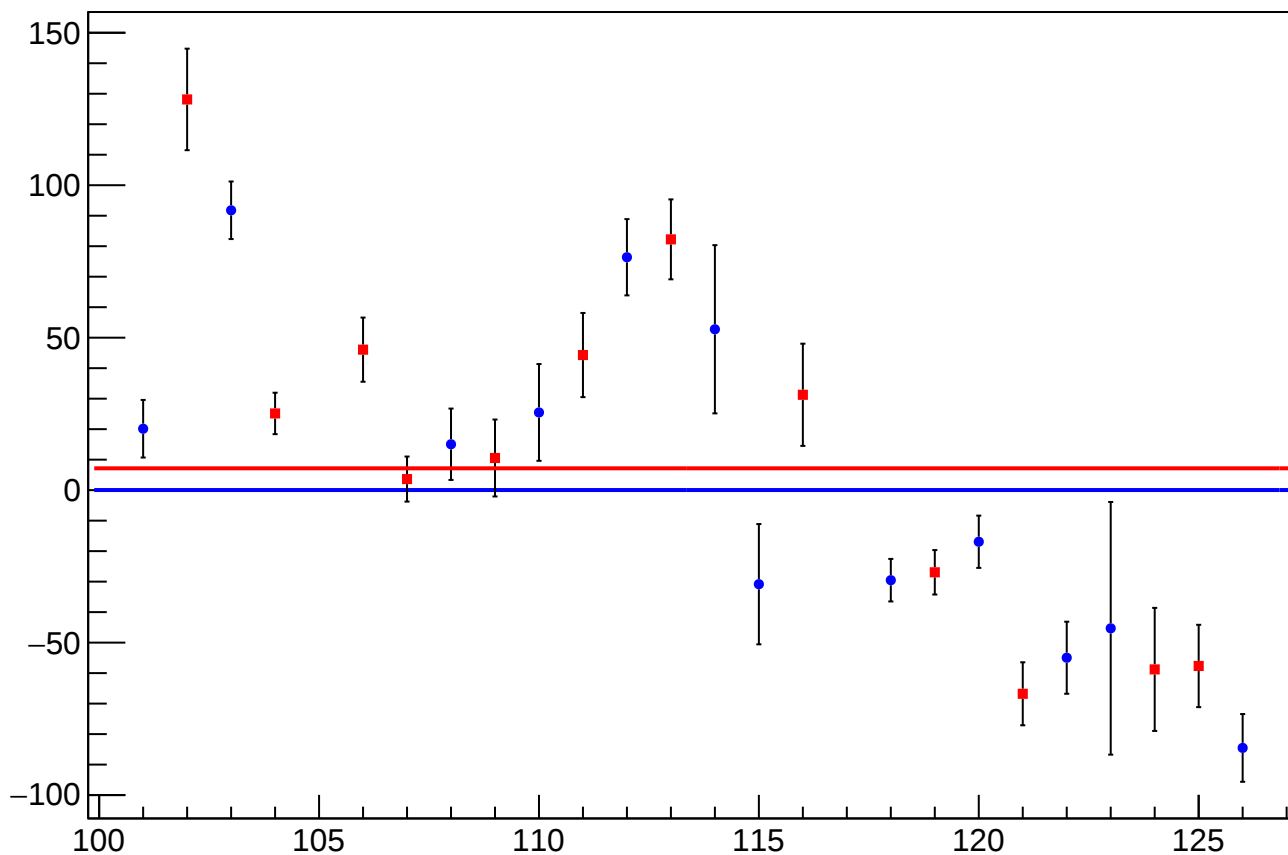
Right: -443.983+/-3.706  $\chi^2/\text{NDF}$ : 3064.7/23

In: -450.048+/-5.527  $\chi^2/\text{NDF}$ : 1480.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -443.983+/-3.706  $\chi^2/\text{NDF}$ : 3064.7/23

reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.036+/-3.262  $\chi^2/\text{NDF}$ : 249.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.158+/-3.020  $\chi^2/\text{NDF}$ : 222.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

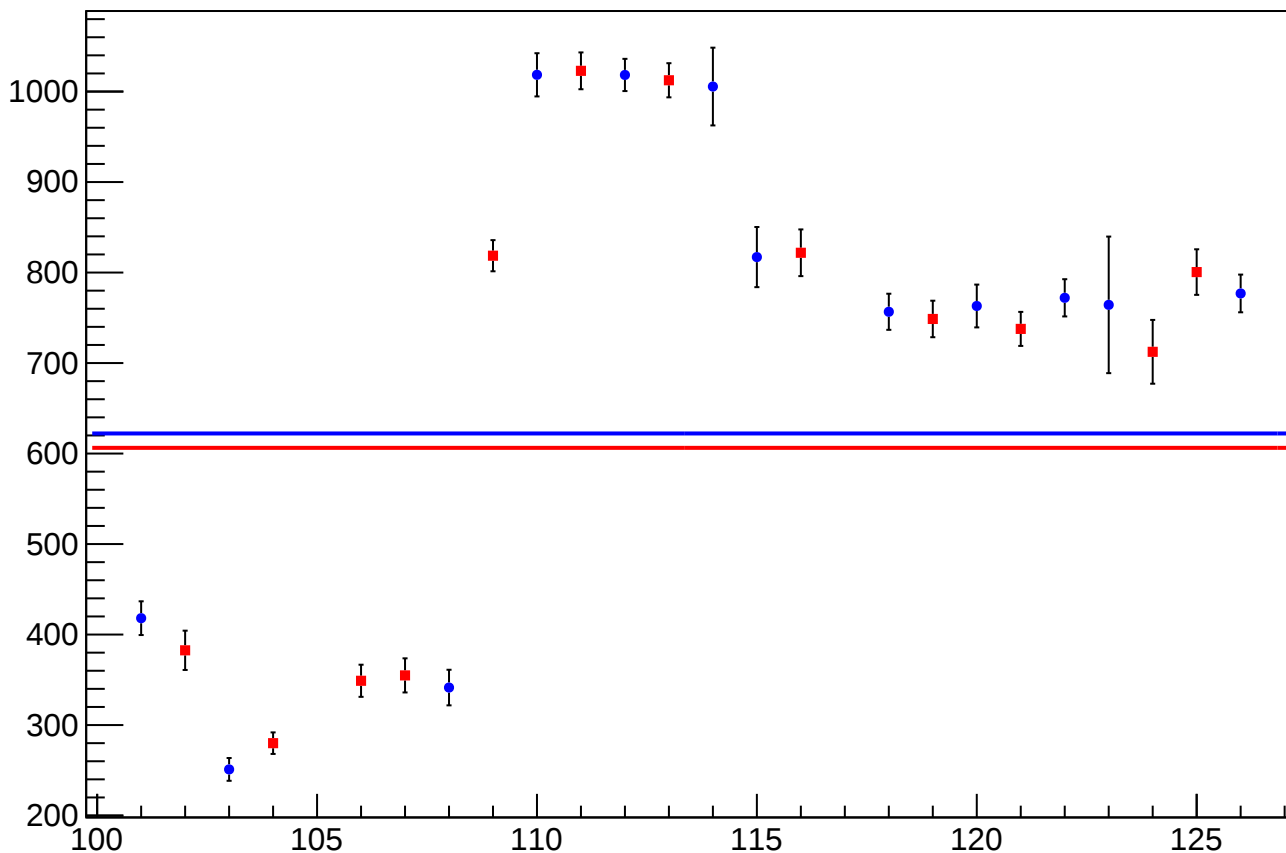
Right: 3.871+/-2.216  $\chi^2/\text{NDF}$ : 474.6/23

In: 0.036+/-3.262  $\chi^2/\text{NDF}$ : 249.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.871+/-2.216  $\chi^2/\text{NDF}$ : 474.6/23

reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 622.194+/-6.055  $\chi^2/\text{NDF}$ : 2270.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 606.304+/-5.510  $\chi^2/\text{NDF}$ : 2518.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

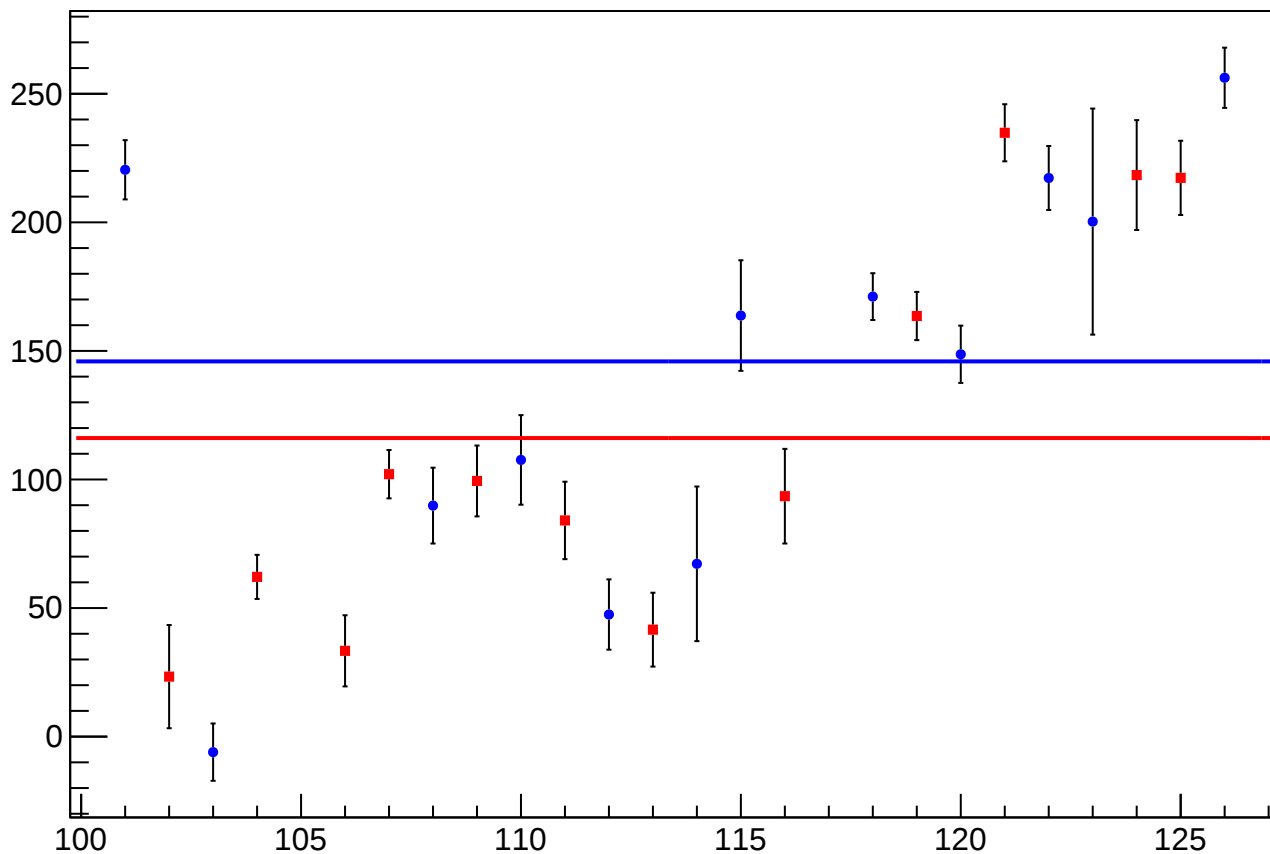
Right: 613.502+/-4.075  $\chi^2/\text{NDF}$ : 4792.8/23

In: 622.194+/-6.055  $\chi^2/\text{NDF}$ : 2270.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 613.502+/-4.075  $\chi^2/\text{NDF}$ : 4792.8/23

reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 145.923+/-3.877  $\chi^2/\text{NDF}$ : 437.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 116.109+/-3.614  $\chi^2/\text{NDF}$ : 345.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

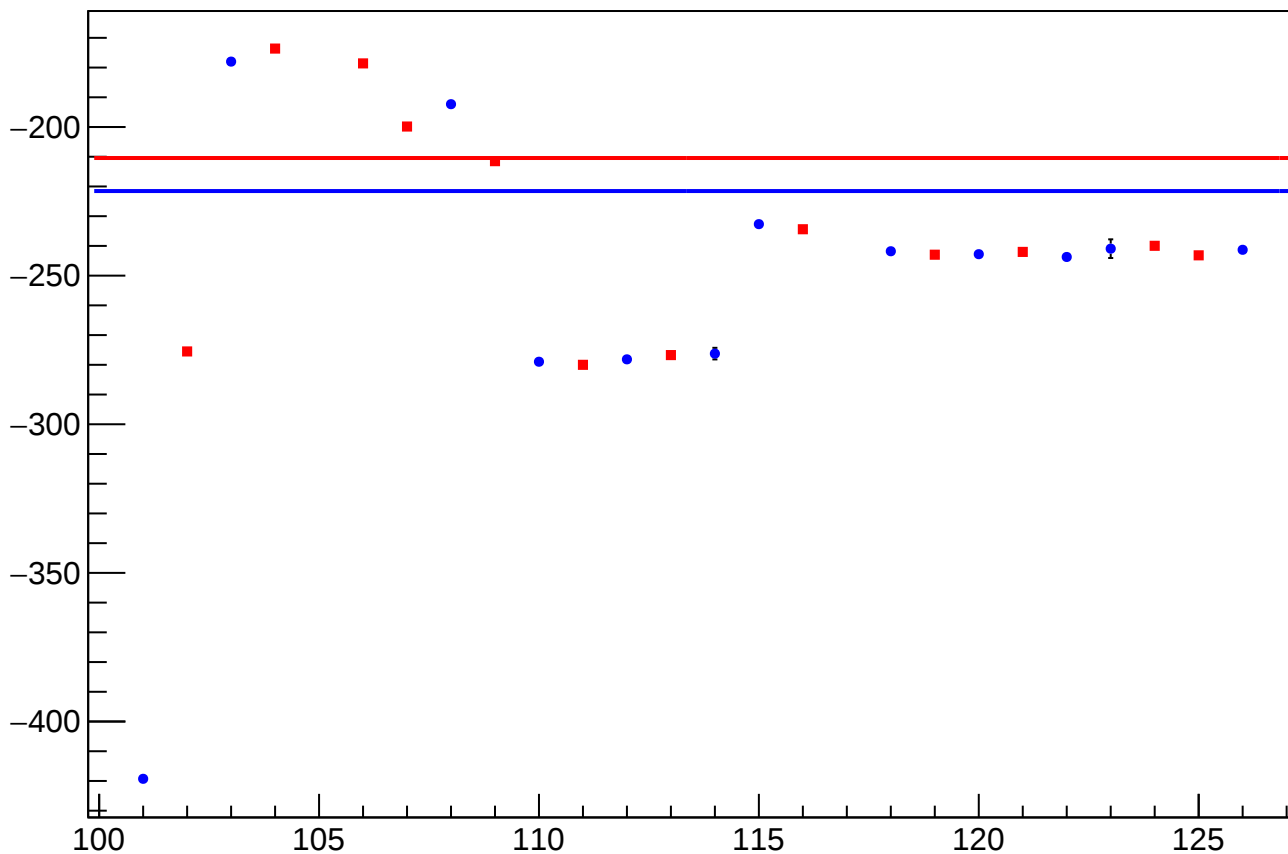
Right: 129.969+/-2.643  $\chi^2/\text{NDF}$ : 814.5/23

In: 145.923+/-3.877  $\chi^2/\text{NDF}$ : 437.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 129.969+/-2.643  $\chi^2/\text{NDF}$ : 814.5/23

reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -221.543+/-0.190  $\chi^2/\text{NDF}$ : 125196.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -210.427+/-0.173  $\chi^2/\text{NDF}$ : 51745.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

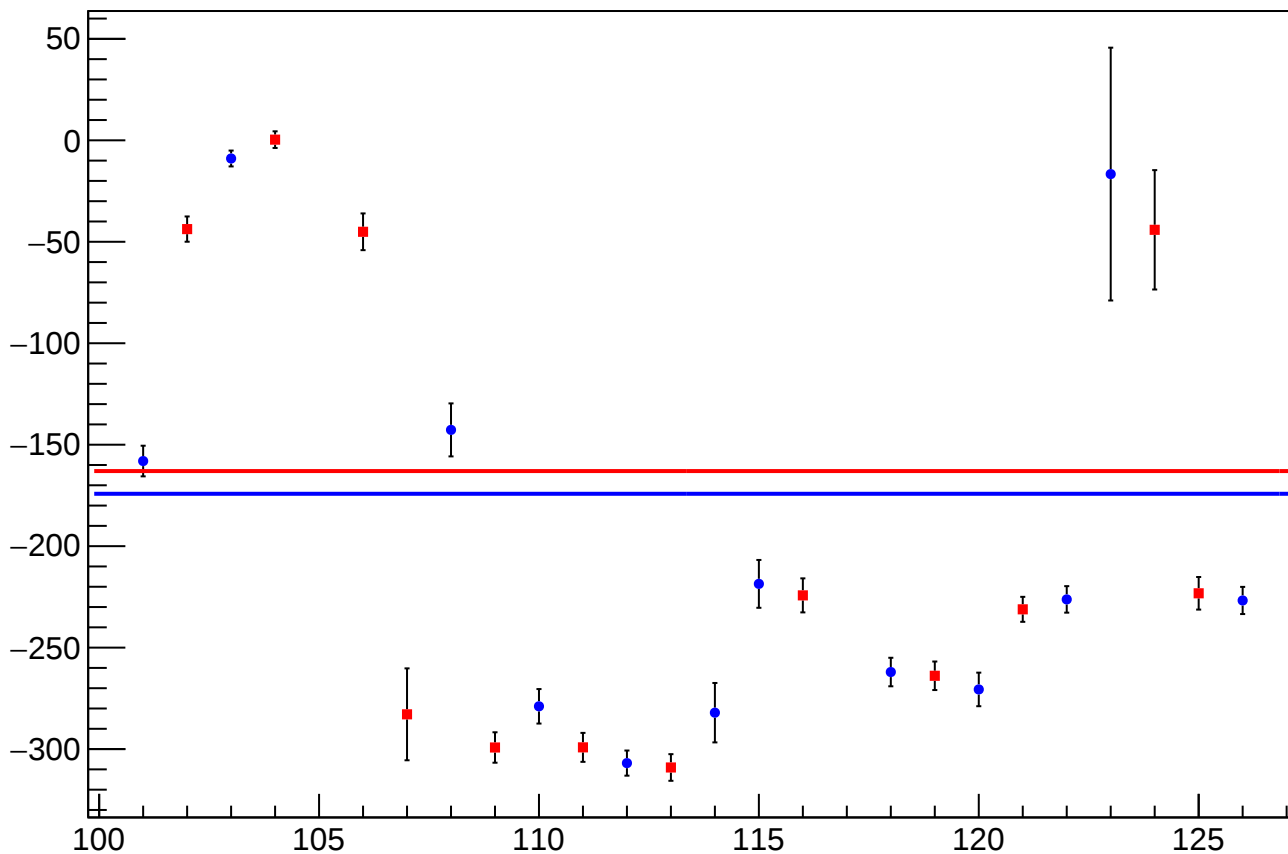
Right: -215.482+/-0.128  $\chi^2/\text{NDF}$ : 178813.0/23

In: -221.543+/-0.190  $\chi^2/\text{NDF}$ : 125196.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -215.482+/-0.128  $\chi^2/\text{NDF}$ : 178813.0/23

reg\_asym\_atl\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -174.186+/-2.125  $\chi^2/\text{NDF}$ : 2898.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -162.992+/-2.052  $\chi^2/\text{NDF}$ : 3794.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

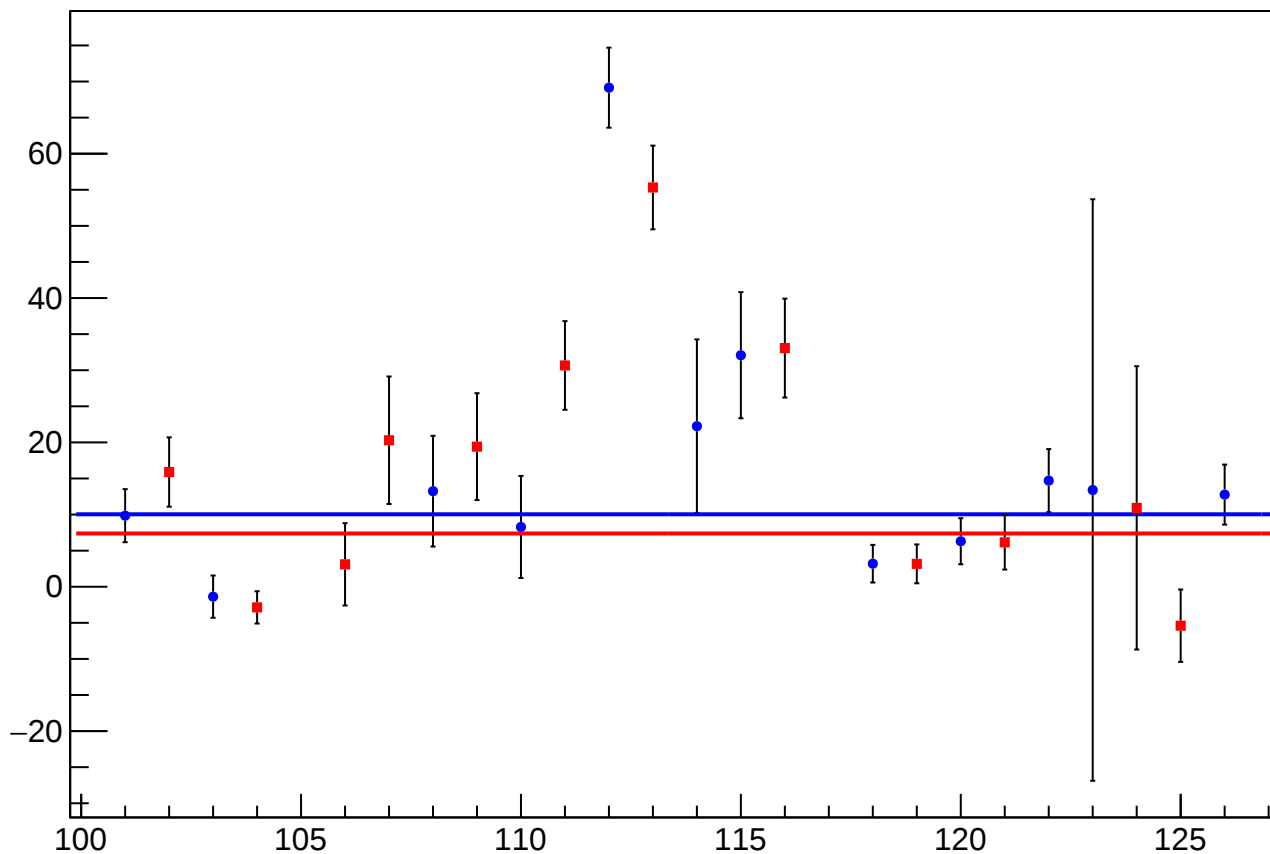
Right: -168.392+/-1.476  $\chi^2/\text{NDF}$ : 6707.6/23

In: -174.186+/-2.125  $\chi^2/\text{NDF}$ : 2898.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -168.392+/-1.476  $\chi^2/\text{NDF}$ : 6707.6/23

reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.040 $\pm$ 1.253  $\chi^2$ /NDF: 146.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 7.380 $\pm$ 1.257  $\chi^2$ /NDF: 135.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

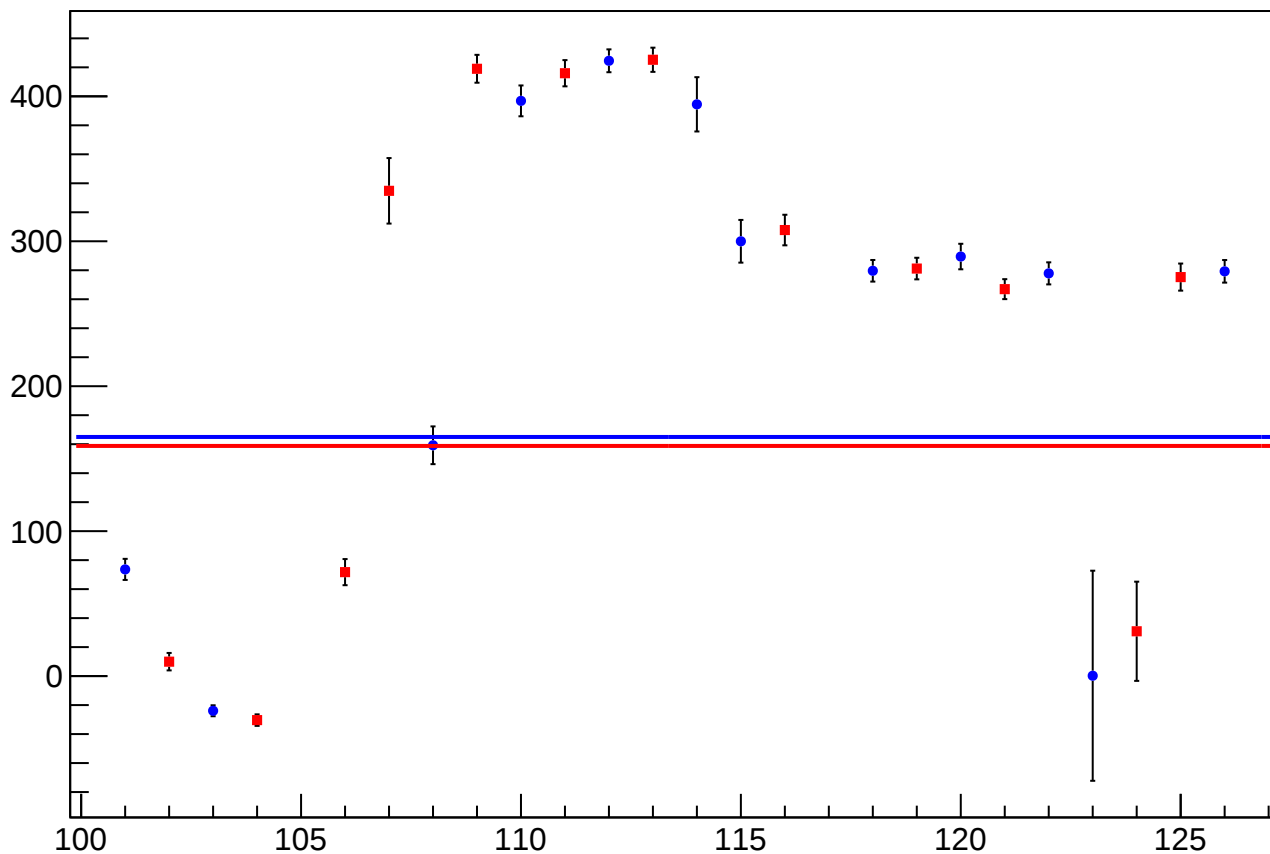
Right: 8.713 $\pm$ 0.887  $\chi^2$ /NDF: 283.9/23

In: 10.040 $\pm$ 1.253  $\chi^2$ /NDF:146.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 8.713 $\pm$ 0.887  $\chi^2$ /NDF: 283.9/23

reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 164.984+/-2.283  $\chi^2/\text{NDF}$ : 5321.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 158.796+/-2.219  $\chi^2/\text{NDF}$ : 6479.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

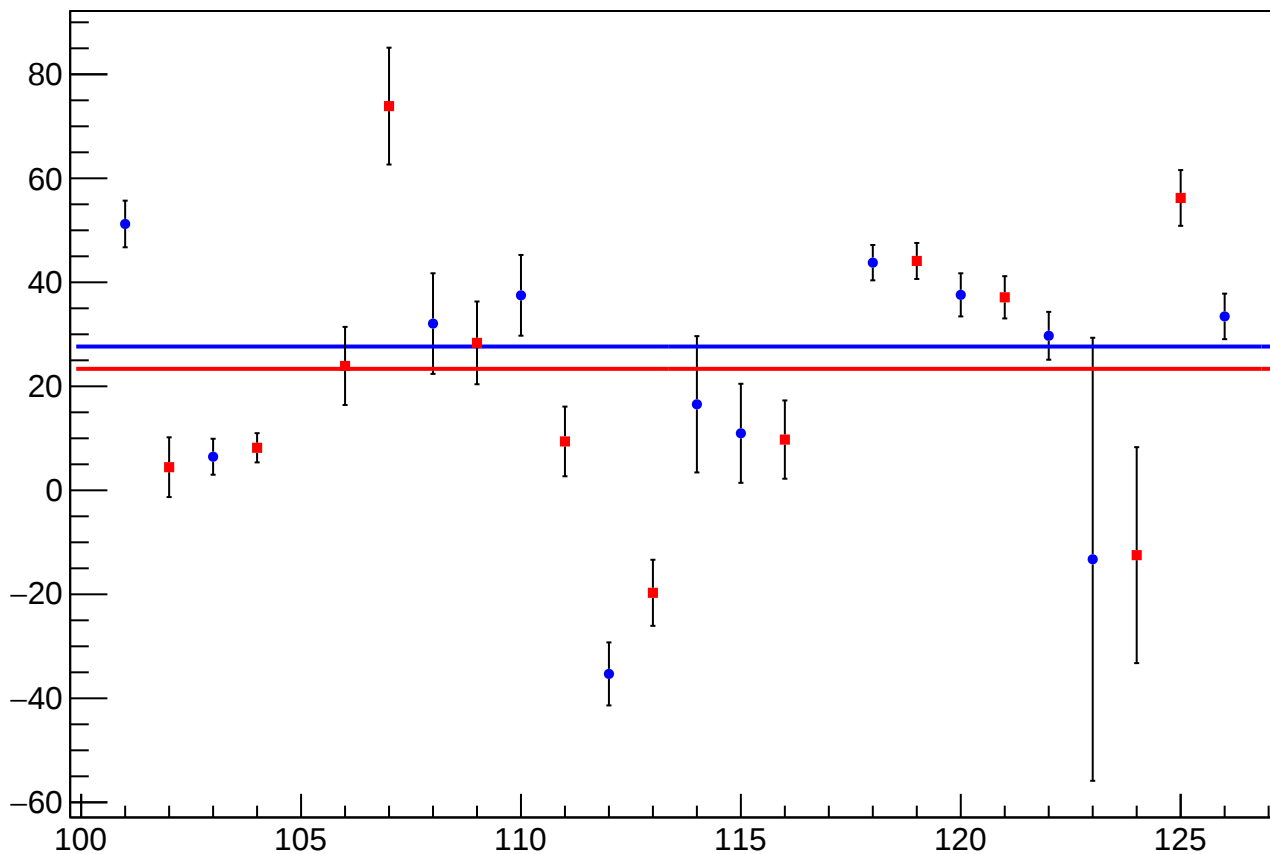
Right: 161.803+/-1.591  $\chi^2/\text{NDF}$ : 11805.1/23

In: 164.984+/-2.283  $\chi^2/\text{NDF}$ : 5321.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 161.803+/-1.591  $\chi^2/\text{NDF}$ : 11805.1/23

reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 27.651+/-1.492  $\chi^2/\text{NDF}$ : 209.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 23.362+/-1.500  $\chi^2/\text{NDF}$ : 202.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

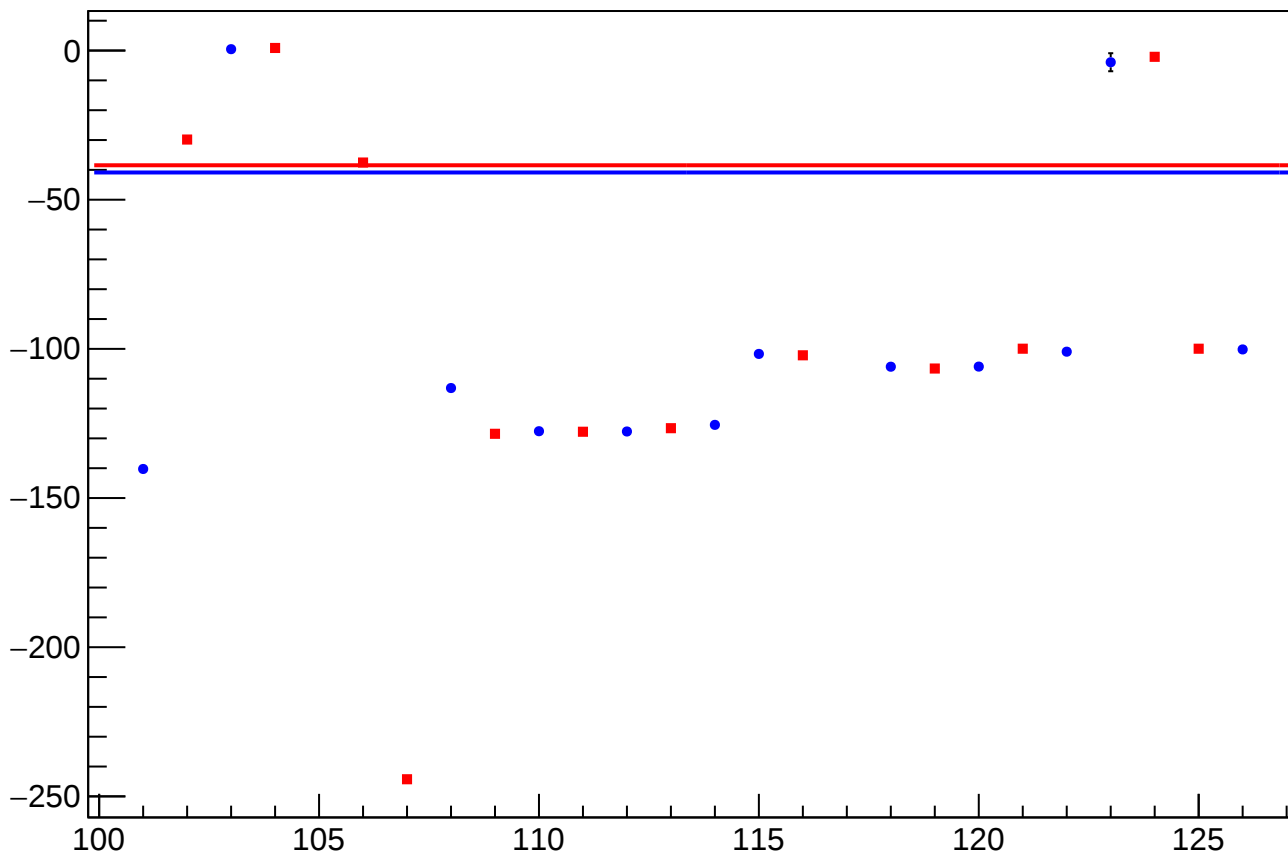
Right: 25.519+/-1.058  $\chi^2/\text{NDF}$ : 416.1/23

In: 27.651+/-1.492  $\chi^2/\text{NDF}$ : 209.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 25.519+/-1.058  $\chi^2/\text{NDF}$ : 416.1/23

reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -40.874+/-0.068  $\chi^2/\text{NDF}$ : 683794.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -38.457+/-0.066  $\chi^2/\text{NDF}$ : 590365.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

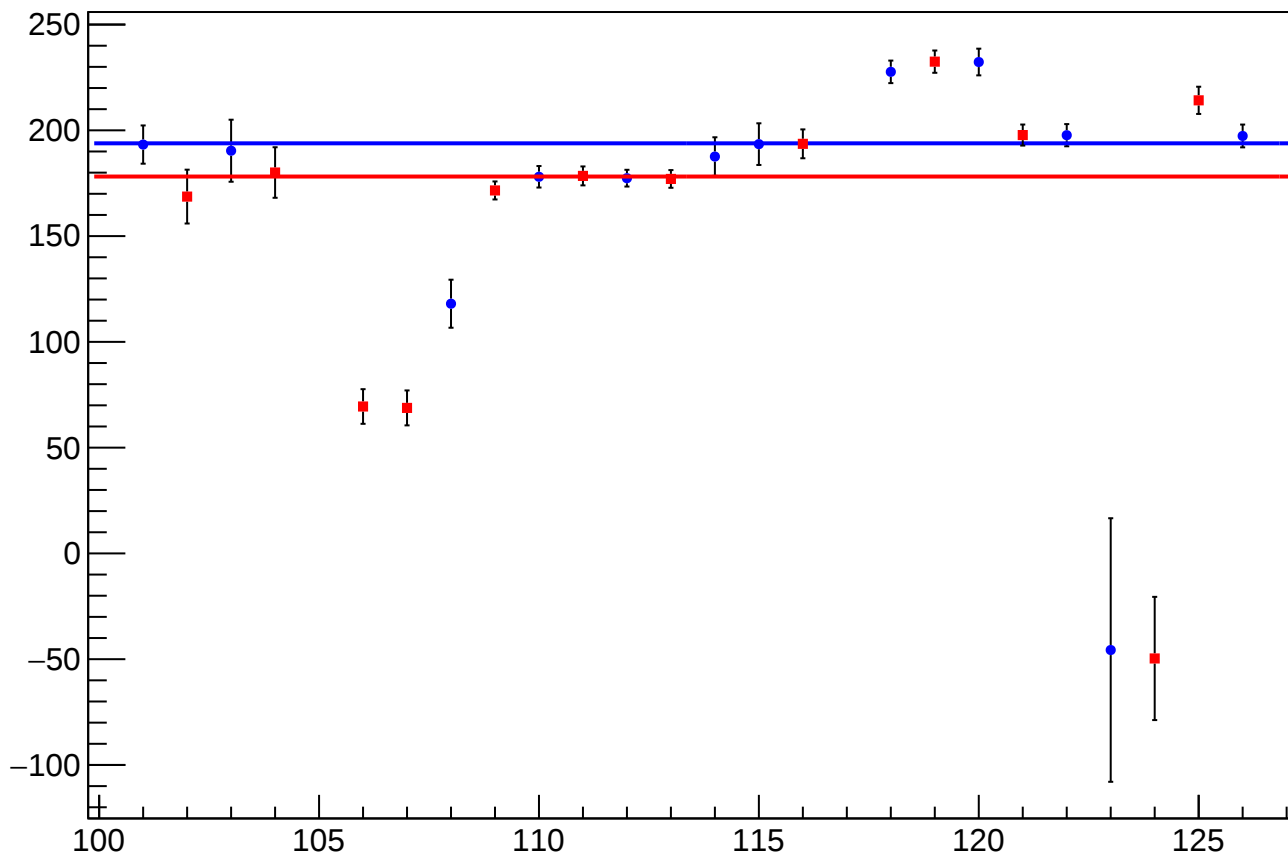
Right: -39.632+/-0.047  $\chi^2/\text{NDF}$ : 1274807.2/23

In: -40.874+/-0.068  $\chi^2/\text{NDF}$ : 683794.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -39.632+/-0.047  $\chi^2/\text{NDF}$ : 1274807.2/23

reg\_asym\_atl\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 193.858 $\pm$ 1.887  $\chi^2$ /NDF: 165.2/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 178.159 $\pm$ 1.745  $\chi^2$ /NDF: 574.0/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

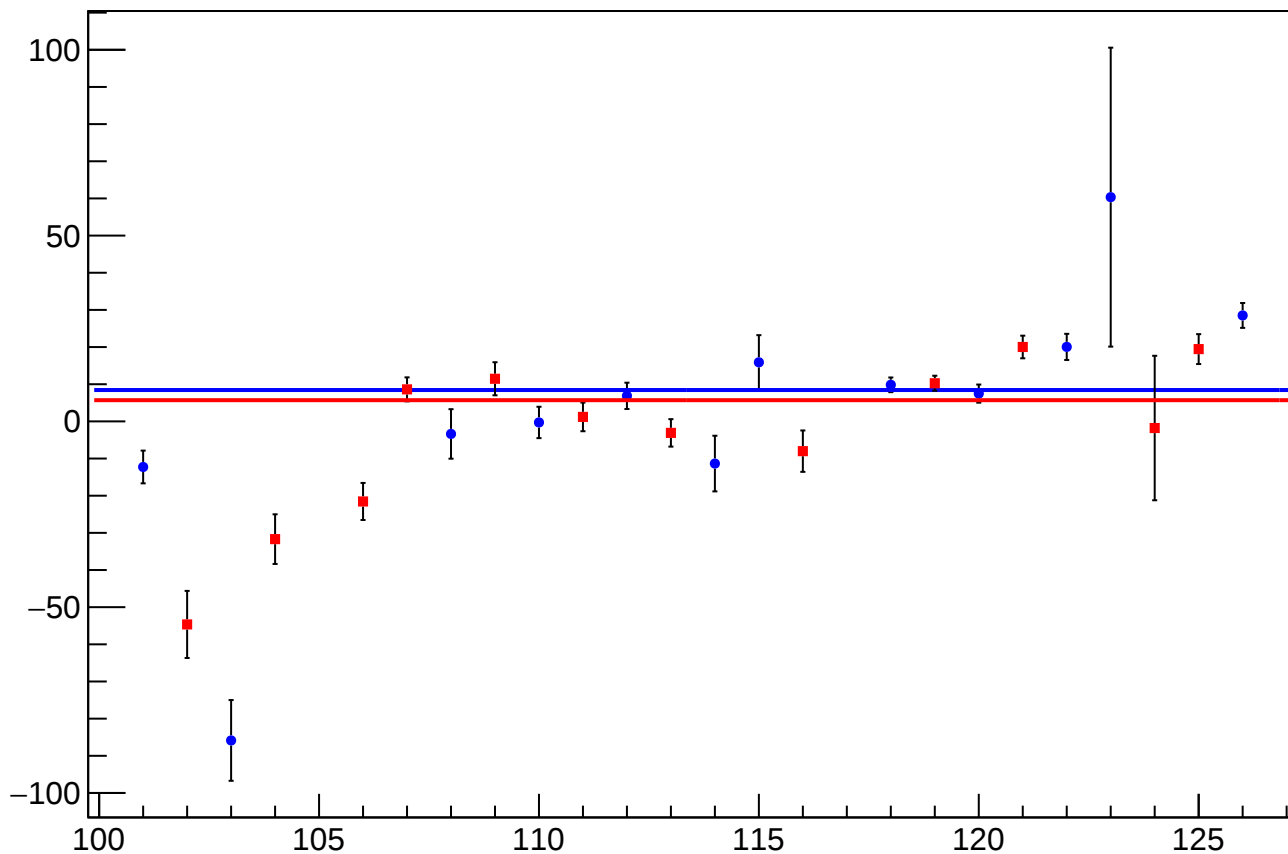
Right: 185.399 $\pm$ 1.281  $\chi^2$ /NDF: 776.5/23

In: 193.858 $\pm$ 1.887  $\chi^2$ /NDF:165.2/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 185.399 $\pm$ 1.281  $\chi^2$ /NDF: 776.5/23

reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.436+/-1.084  $\chi^2/\text{NDF}$ : 162.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.704+/-1.110  $\chi^2/\text{NDF}$ : 160.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

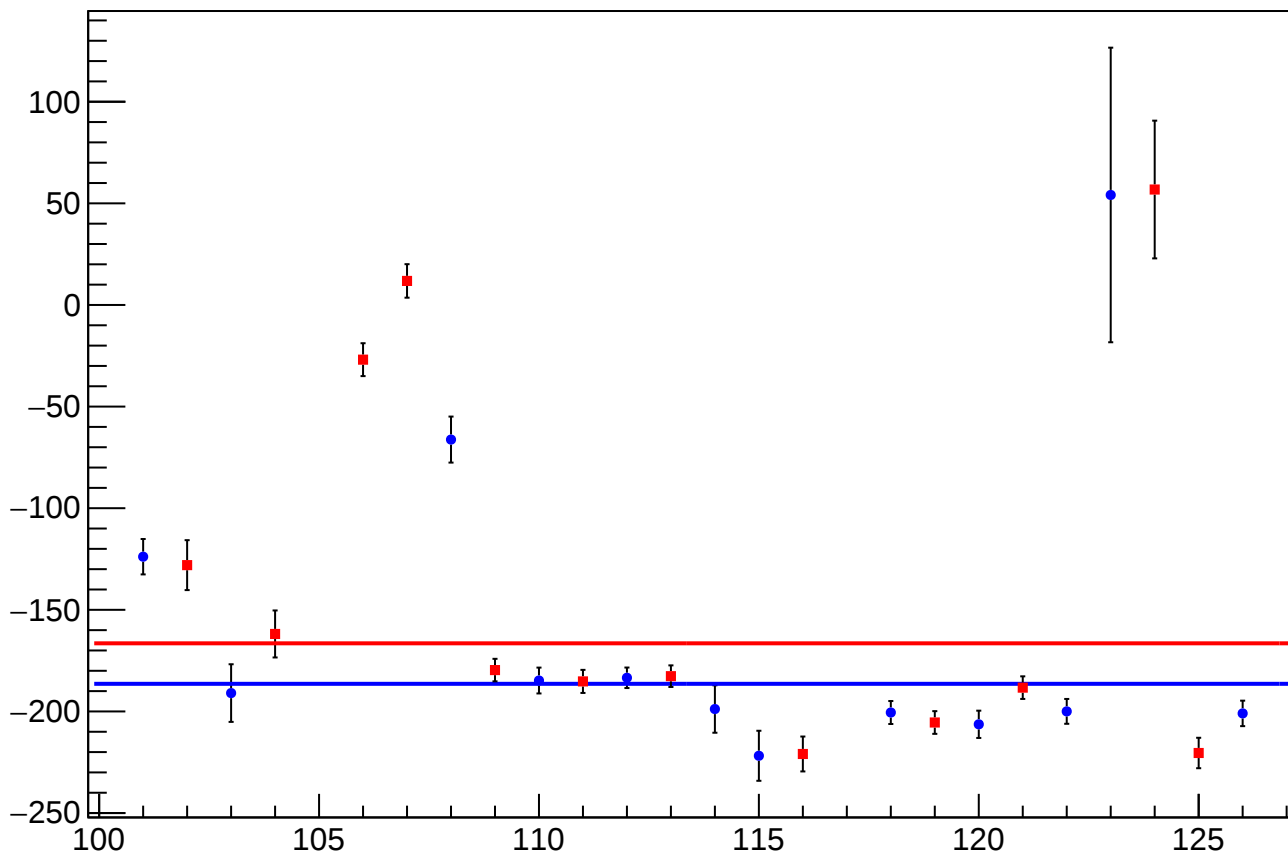
Right: 7.103+/-0.776  $\chi^2/\text{NDF}$ : 325.8/23

In: 8.436+/-1.084  $\chi^2/\text{NDF}$ : 162.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.103+/-0.776  $\chi^2/\text{NDF}$ : 325.8/23

reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -186.409+/-2.183  $\chi^2/\text{NDF}$ : 210.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -166.482+/-2.042  $\chi^2/\text{NDF}$ : 1000.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

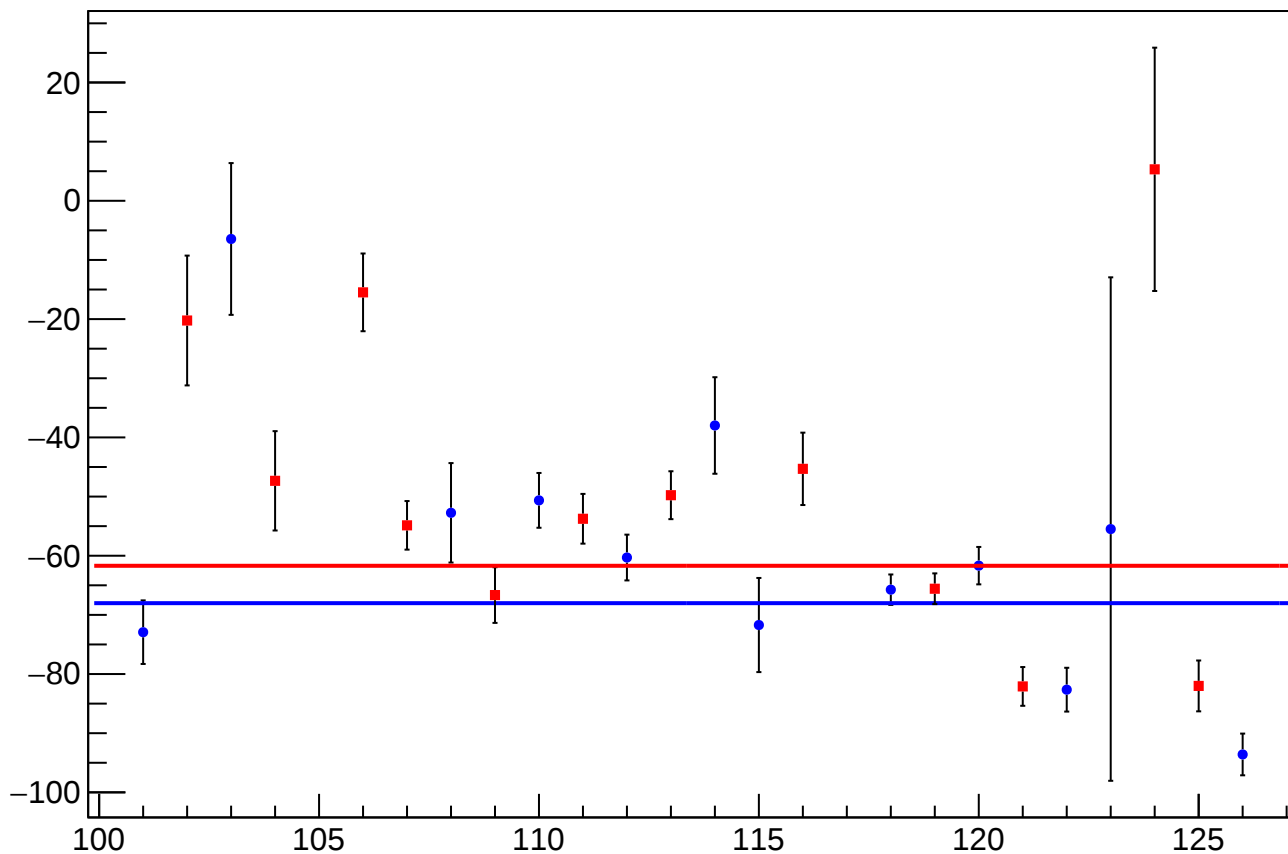
Right: -175.780+/-1.491  $\chi^2/\text{NDF}$ : 1255.8/23

In: -186.409+/-2.183  $\chi^2/\text{NDF}$ : 210.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -175.780+/-1.491  $\chi^2/\text{NDF}$ : 1255.8/23

reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -68.018+/-1.286  $\chi^2/\text{NDF}$ : 132.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -61.701+/-1.299  $\chi^2/\text{NDF}$ : 163.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

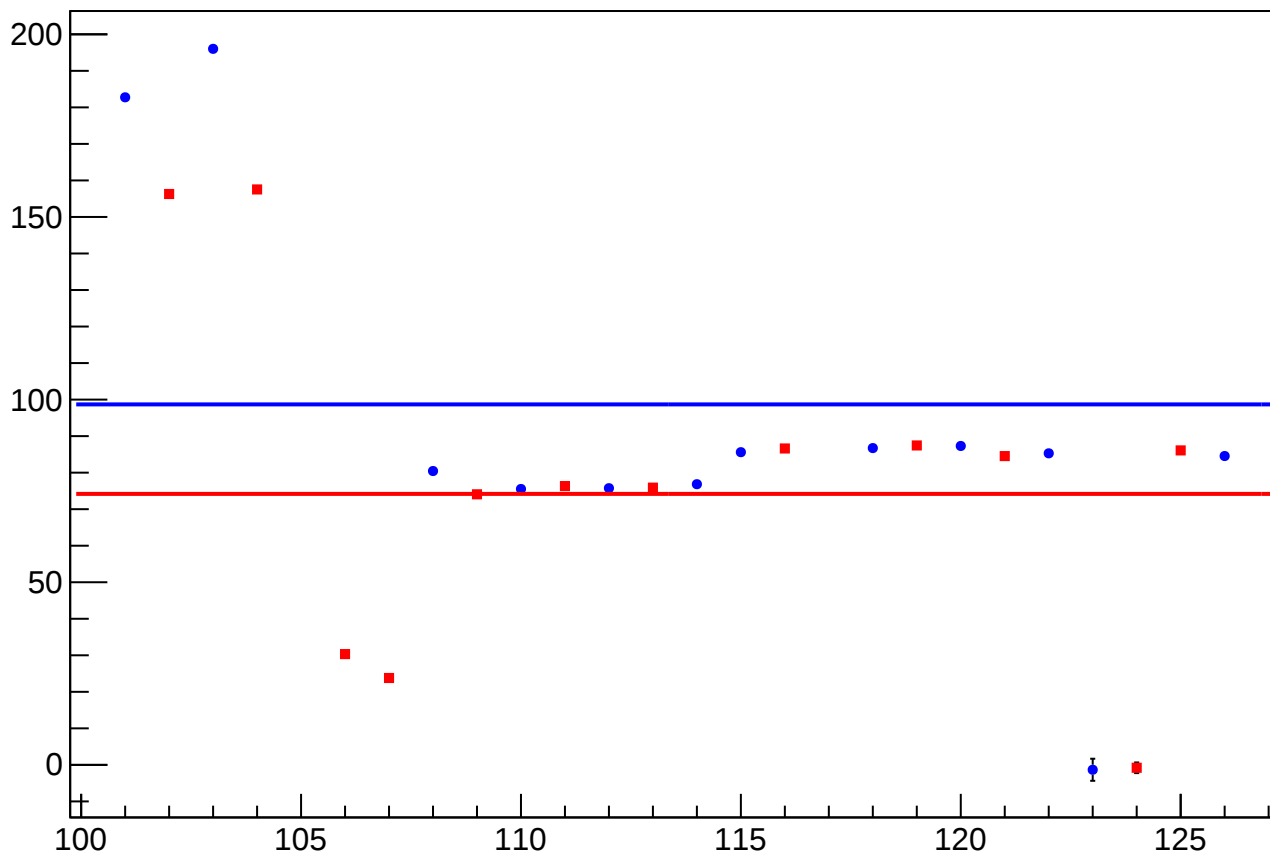
Right: -64.891+/-0.914  $\chi^2/\text{NDF}$ : 308.0/23

In: -68.018+/-1.286  $\chi^2/\text{NDF}$ : 132.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -64.891+/-0.914  $\chi^2/\text{NDF}$ : 308.0/23

reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 98.687+/-0.088  $\chi^2/\text{NDF}$ : 198391.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 74.187+/-0.076  $\chi^2/\text{NDF}$ : 290306.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

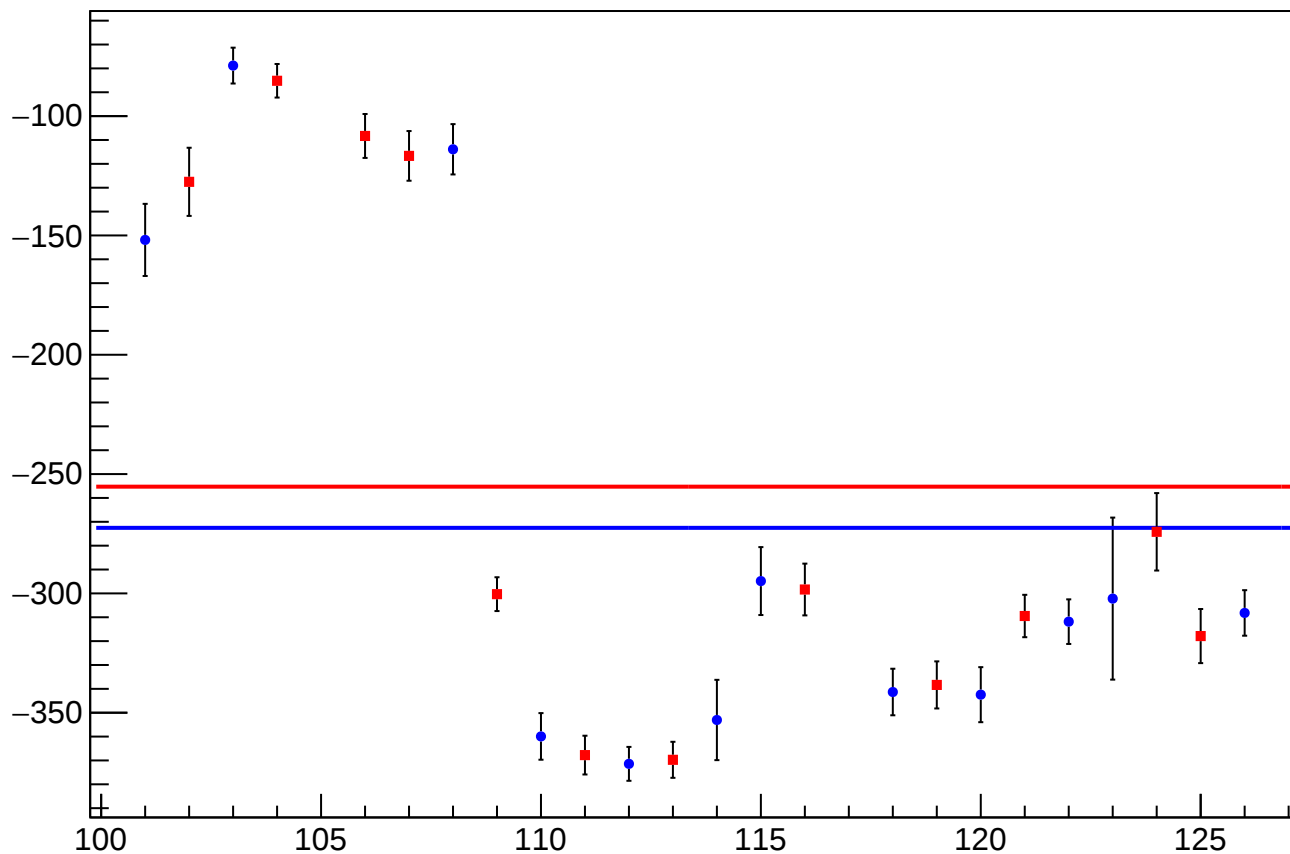
Right: 84.637+/-0.057  $\chi^2/\text{NDF}$ : 533389.8/23

In: 98.687+/-0.088  $\chi^2/\text{NDF}$ : 198391.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 84.637+/-0.057  $\chi^2/\text{NDF}$ : 533389.8/23

reg\_asym\_atr\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -272.529+/-2.998  $\chi^2/\text{NDF}$ : 1373.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -255.273+/-2.655  $\chi^2/\text{NDF}$ : 1714.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

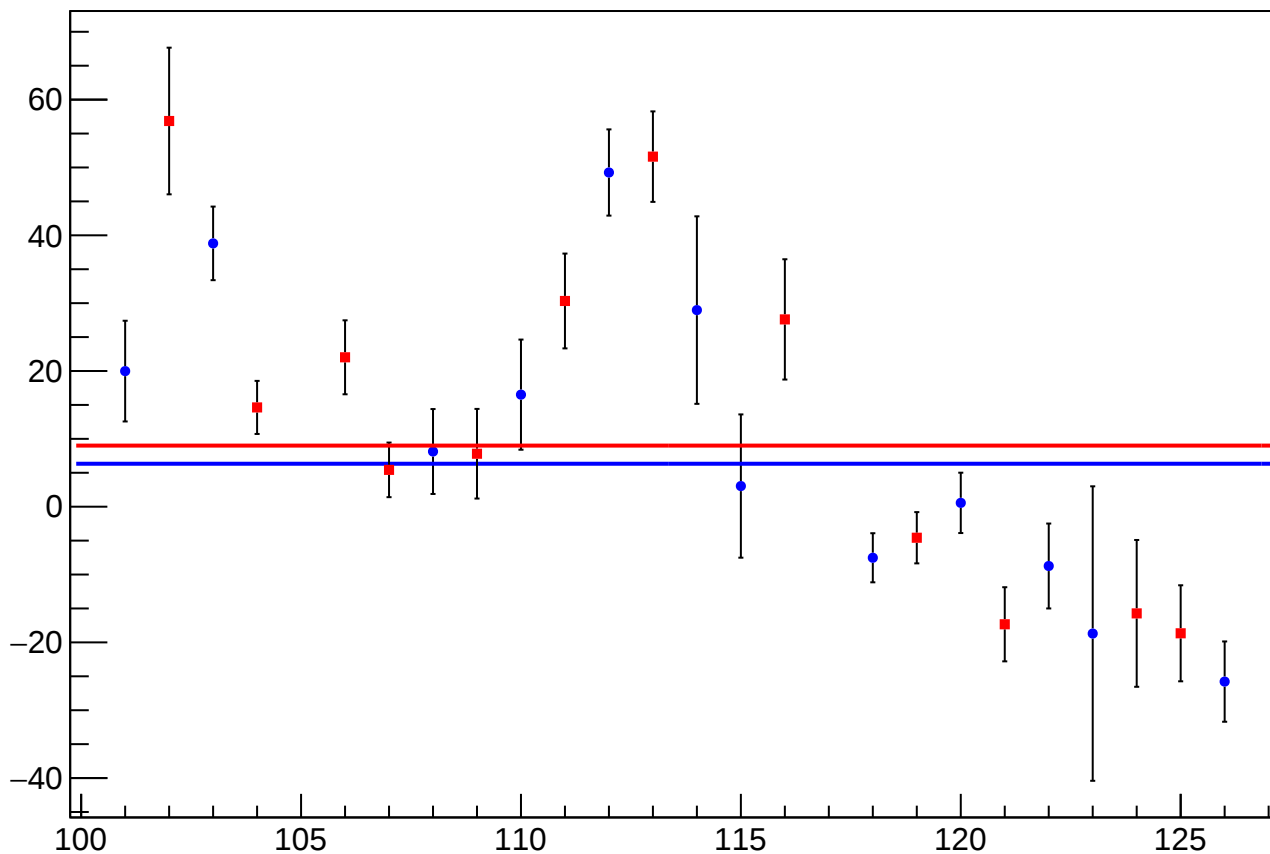
Right: -262.858+/-1.988  $\chi^2/\text{NDF}$ : 3106.9/23

In: -272.529+/-2.998  $\chi^2/\text{NDF}$ : 1373.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -262.858+/-1.988  $\chi^2/\text{NDF}$ : 3106.9/23

reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.330+/-1.782  $\chi^2/\text{NDF}$ : 142.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.005+/-1.622  $\chi^2/\text{NDF}$ : 139.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

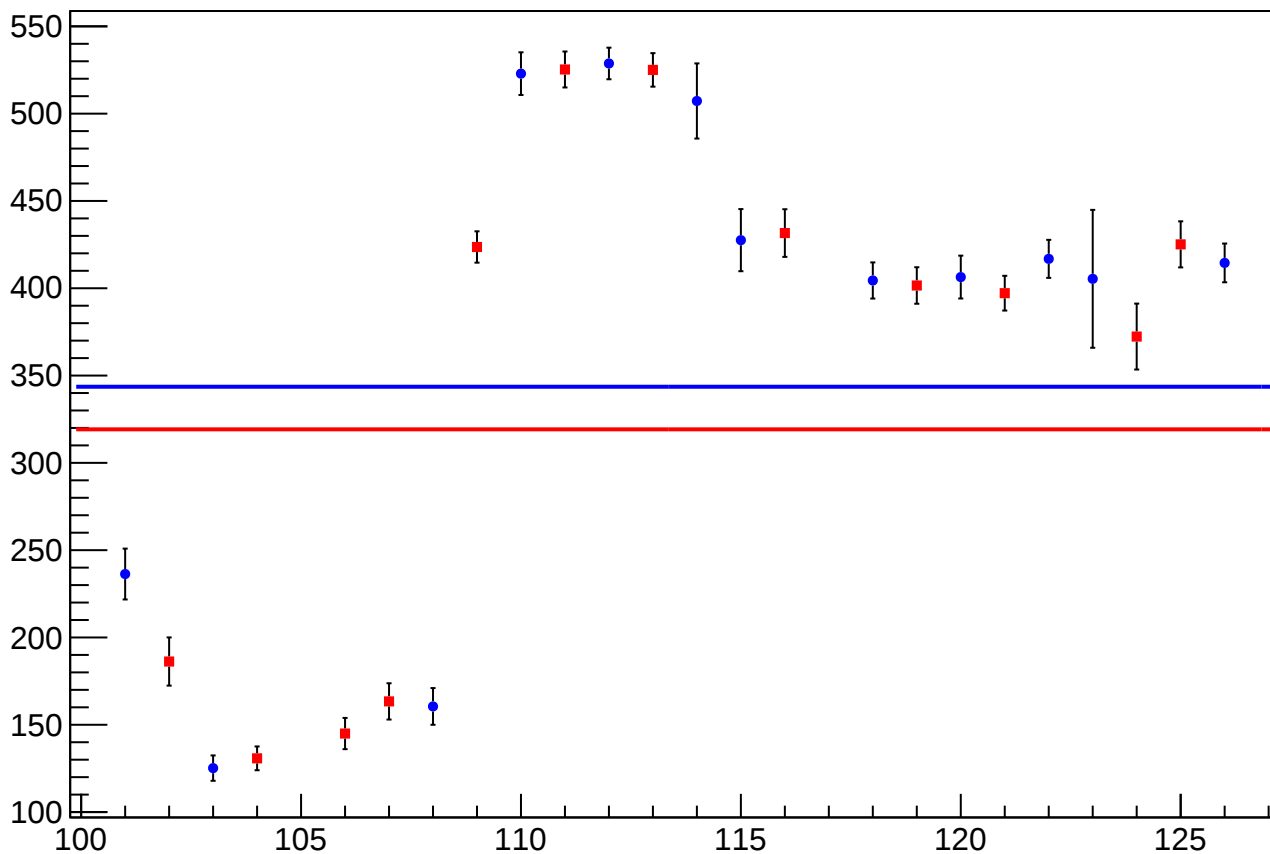
Right: 7.793+/-1.200  $\chi^2/\text{NDF}$ : 282.8/23

In: 6.330+/-1.782  $\chi^2/\text{NDF}$ : 142.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.793+/-1.200  $\chi^2/\text{NDF}$ : 282.8/23

reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 343.602 $\pm$ 3.331  $\chi^2$ /NDF: 2125.6/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 319.201 $\pm$ 2.956  $\chi^2$ /NDF: 2722.0/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

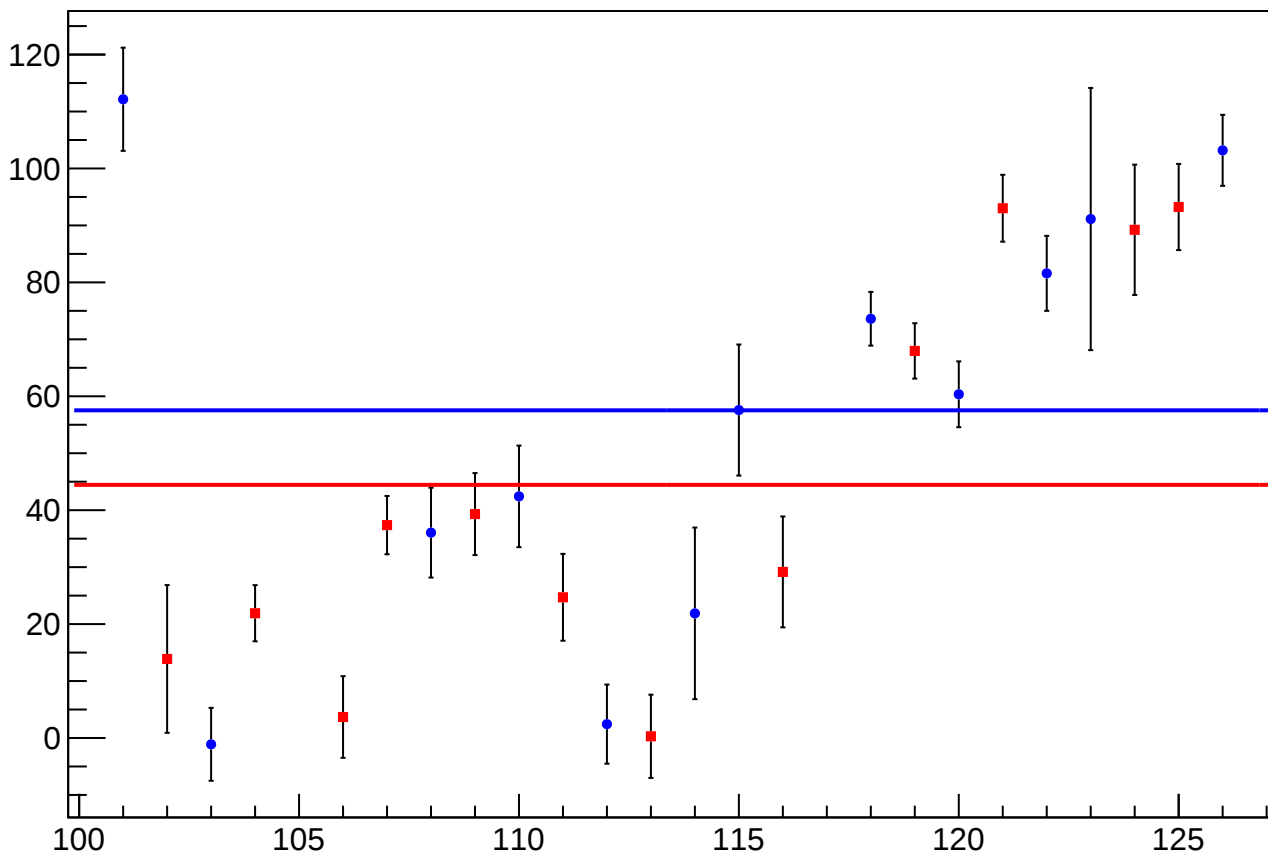
Right: 329.953 $\pm$ 2.211  $\chi^2$ /NDF: 4877.6/23

In: 343.602 $\pm$ 3.331  $\chi^2$ /NDF:2125.6/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 329.953 $\pm$ 2.211  $\chi^2$ /NDF: 4877.6/23

reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 57.533+/-2.115  $\chi^2/\text{NDF}$ : 280.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 44.446+/-1.936  $\chi^2/\text{NDF}$ : 255.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

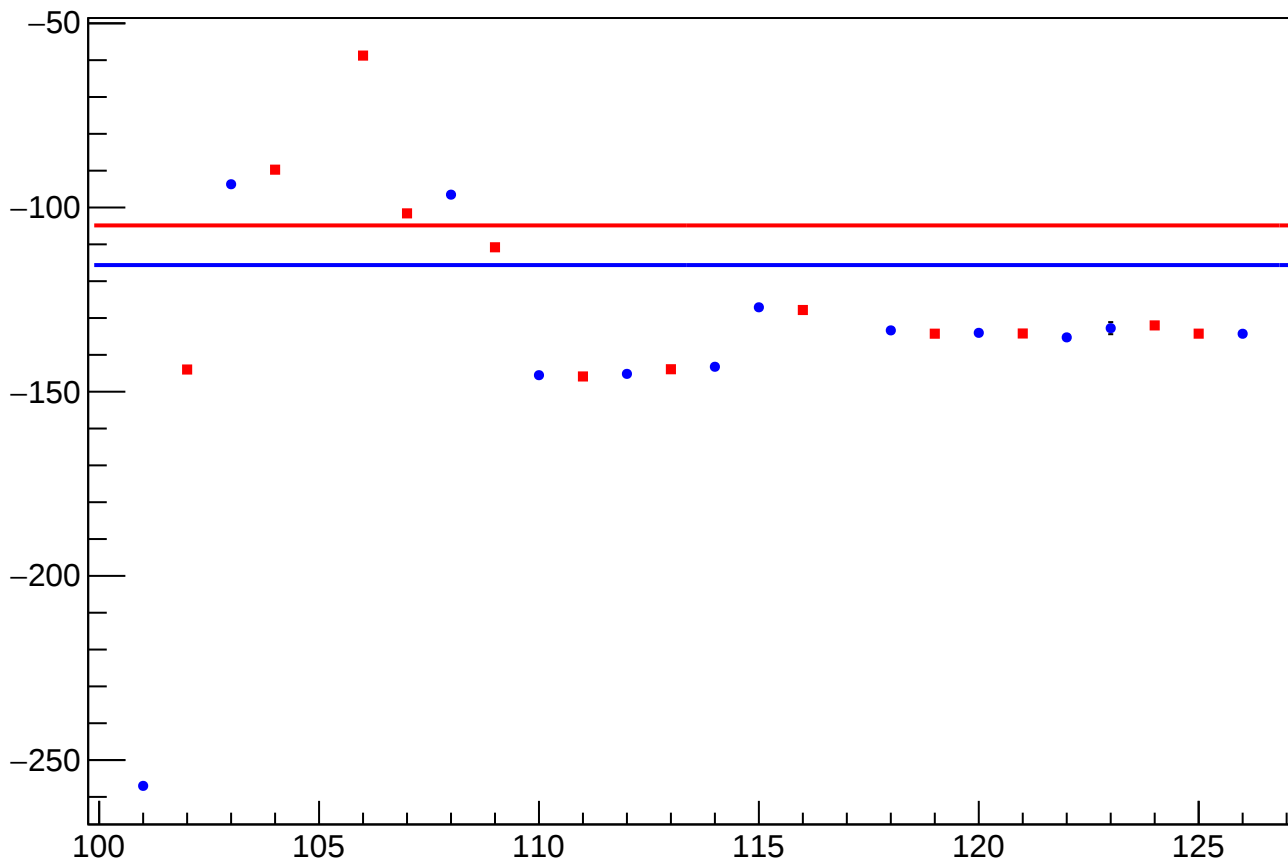
Right: 50.410+/-1.428  $\chi^2/\text{NDF}$ : 556.3/23

In: 57.533+/-2.115  $\chi^2/\text{NDF}$ : 280.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 50.410+/-1.428  $\chi^2/\text{NDF}$ : 556.3/23

reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -115.627+/-0.106  $\chi^2/\text{NDF}$ : 112268.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -104.863+/-0.094  $\chi^2/\text{NDF}$ : 86657.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

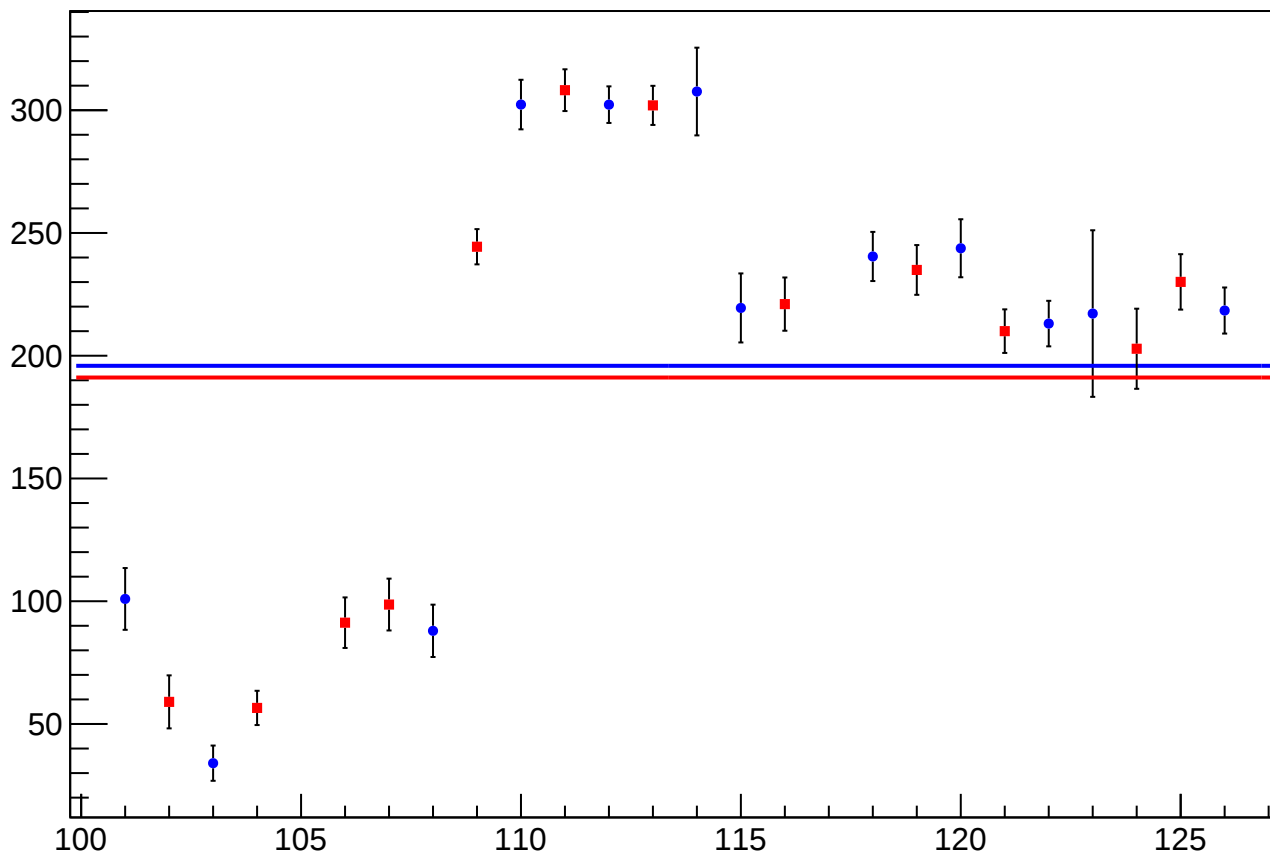
Right: -109.612+/-0.071  $\chi^2/\text{NDF}$ : 204652.7/23

In: -115.627+/-0.106  $\chi^2/\text{NDF}$ : 112268.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -109.612+/-0.071  $\chi^2/\text{NDF}$ : 204652.7/23

reg\_asym\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 195.890+/-2.994  $\chi^2/\text{NDF}$ : 1070.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 191.122+/-2.682  $\chi^2/\text{NDF}$ : 1173.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

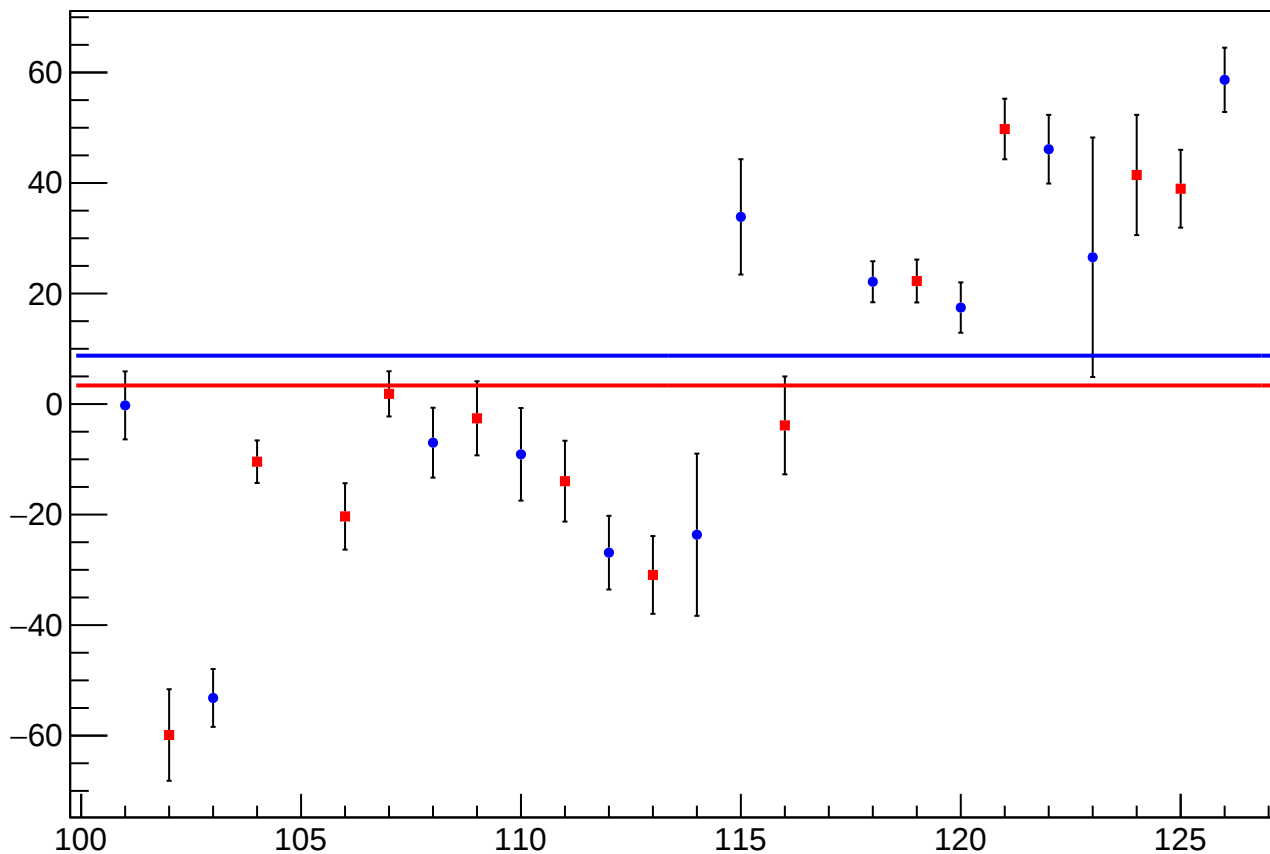
Right: 193.244+/-1.998  $\chi^2/\text{NDF}$ : 2246.0/23

In: 195.890+/-2.994  $\chi^2/\text{NDF}$ : 1070.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 193.244+/-1.998  $\chi^2/\text{NDF}$ : 2246.0/23

reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.758+/-1.776  $\chi^2/\text{NDF}$ : 319.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.365+/-1.640  $\chi^2/\text{NDF}$ : 250.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

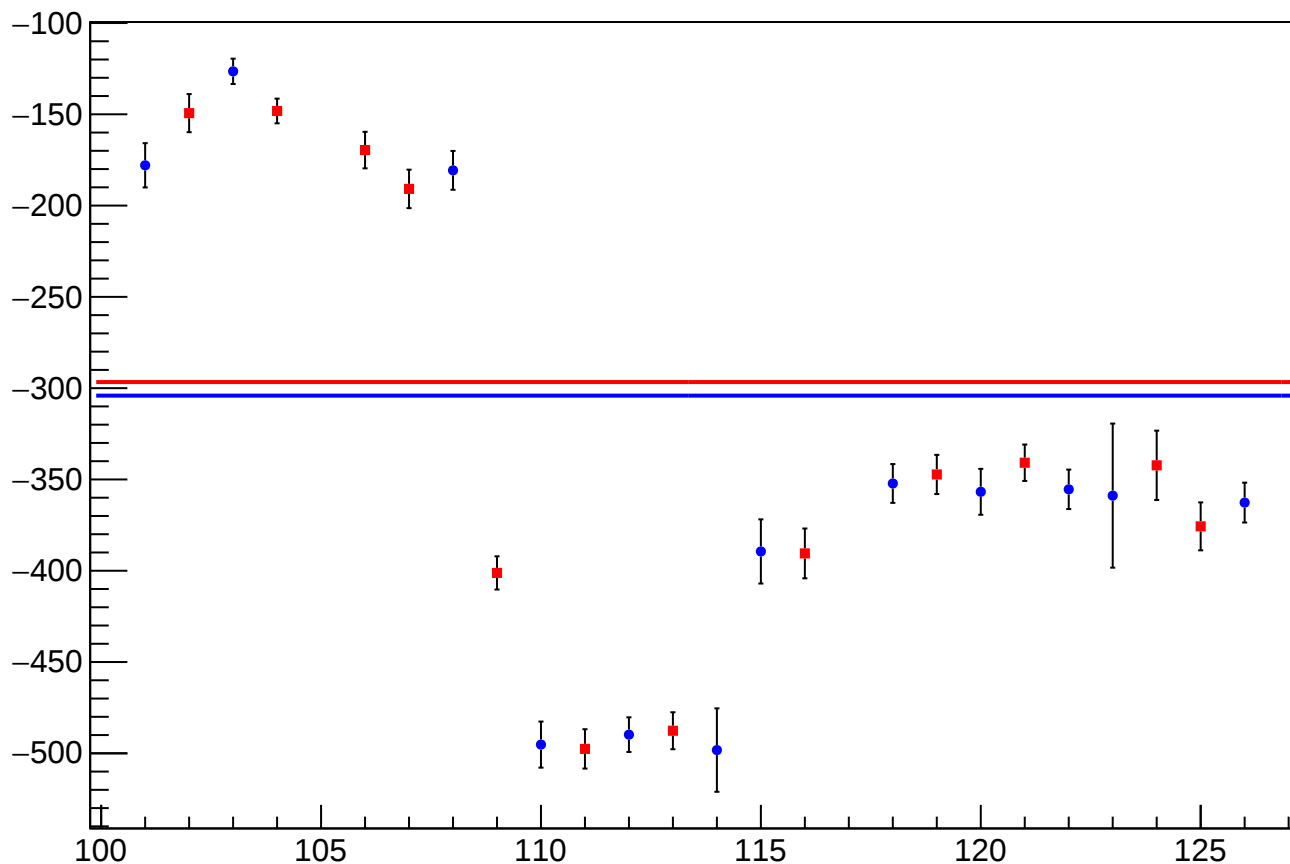
Right: 5.847+/-1.205  $\chi^2/\text{NDF}$ : 575.1/23

In: 8.758+/-1.776  $\chi^2/\text{NDF}$ : 319.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.847+/-1.205  $\chi^2/\text{NDF}$ : 575.1/23

reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -304.087+/-3.302  $\chi^2/\text{NDF}$ : 1697.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -296.658+/-2.972  $\chi^2/\text{NDF}$ : 1910.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

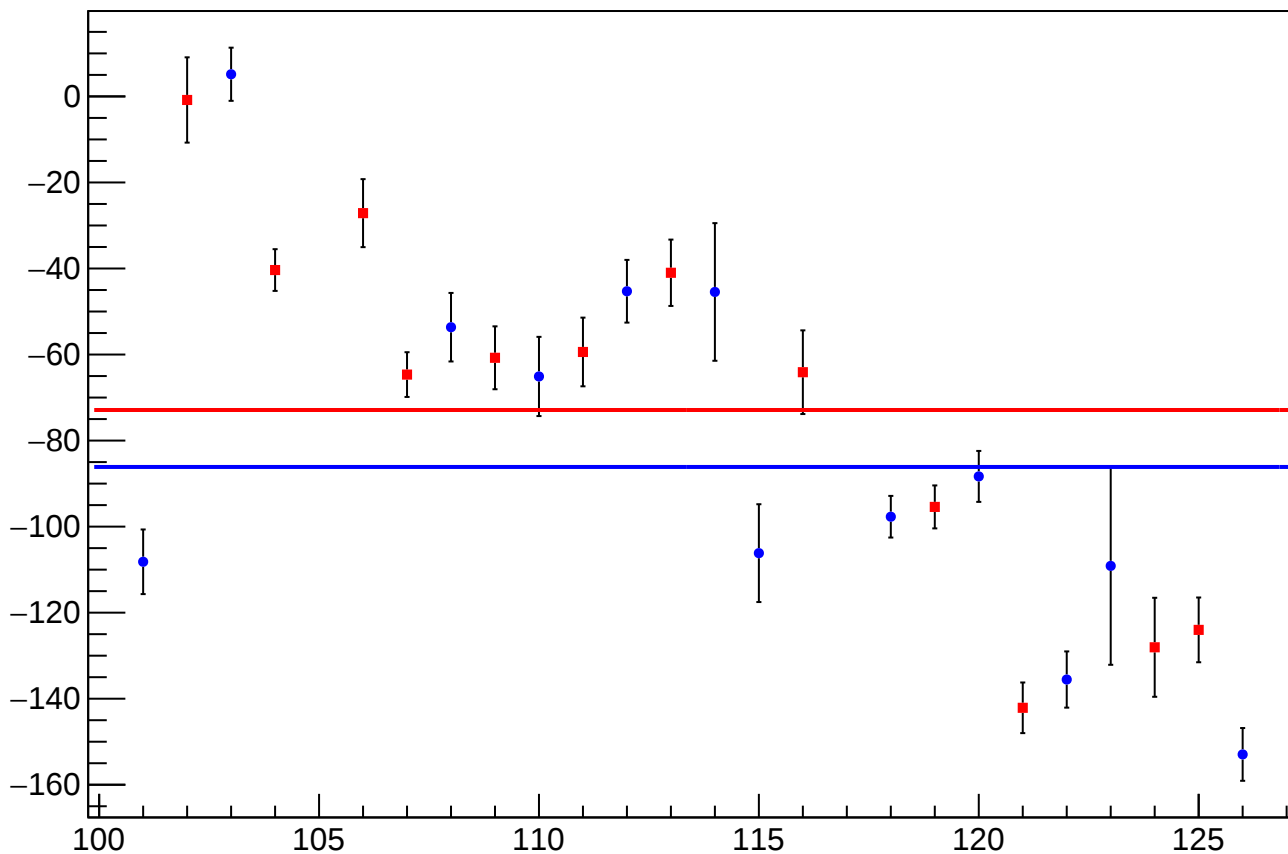
Right: -299.983+/-2.209  $\chi^2/\text{NDF}$ : 3610.5/23

In: -304.087+/-3.302  $\chi^2/\text{NDF}$ : 1697.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -299.983+/-2.209  $\chi^2/\text{NDF}$ : 3610.5/23

reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -86.131 $\pm$ 2.108  $\chi^2$ /NDF: 472.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -72.890 $\pm$ 1.955  $\chi^2$ /NDF: 385.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

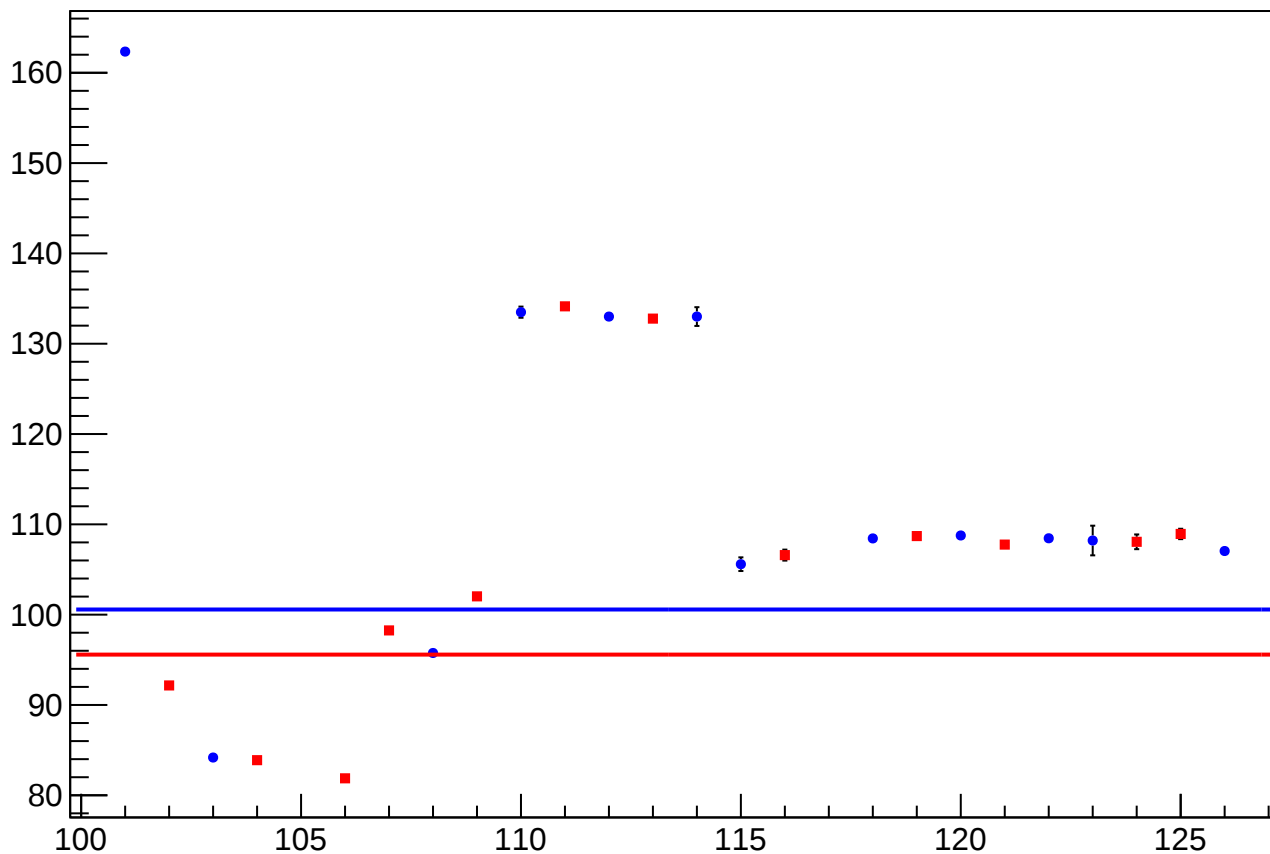
Right: -79.013 $\pm$ 1.433  $\chi^2$ /NDF: 878.9/23

In: -86.131 $\pm$ 2.108  $\chi^2$ /NDF:472.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -79.013 $\pm$ 1.433  $\chi^2$ /NDF: 878.9/23

reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 100.571+/-0.104  $\chi^2/\text{NDF}$ : 42034.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 95.576+/-0.093  $\chi^2/\text{NDF}$ : 22921.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

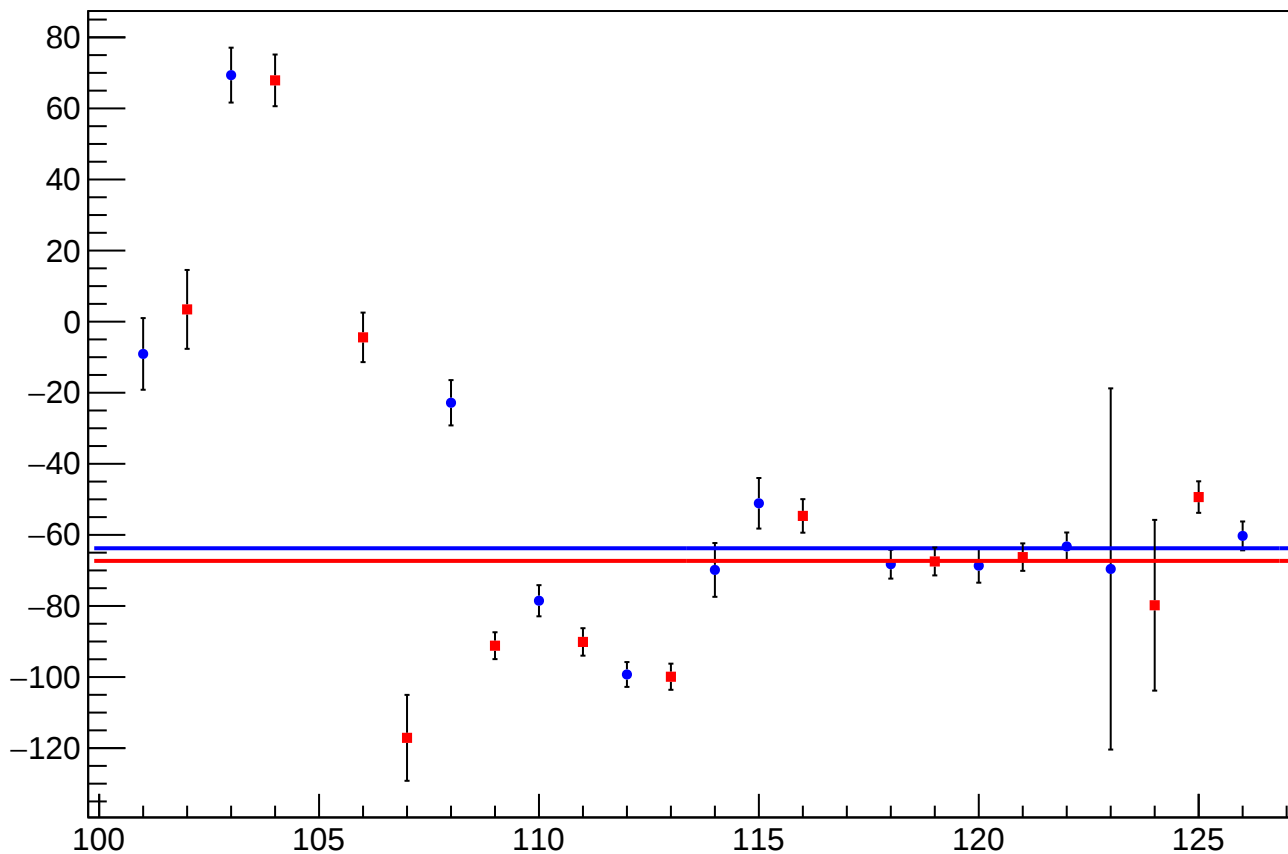
Right: 97.797+/-0.069  $\chi^2/\text{NDF}$ : 66235.2/23

In: 100.571+/-0.104  $\chi^2/\text{NDF}$ : 42034.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 97.797+/-0.069  $\chi^2/\text{NDF}$ : 66235.2/23

reg\_asym\_at1\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -63.762+/-1.487  $\chi^2/\text{NDF}$ : 489.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -67.319+/-1.422  $\chi^2/\text{NDF}$ : 662.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

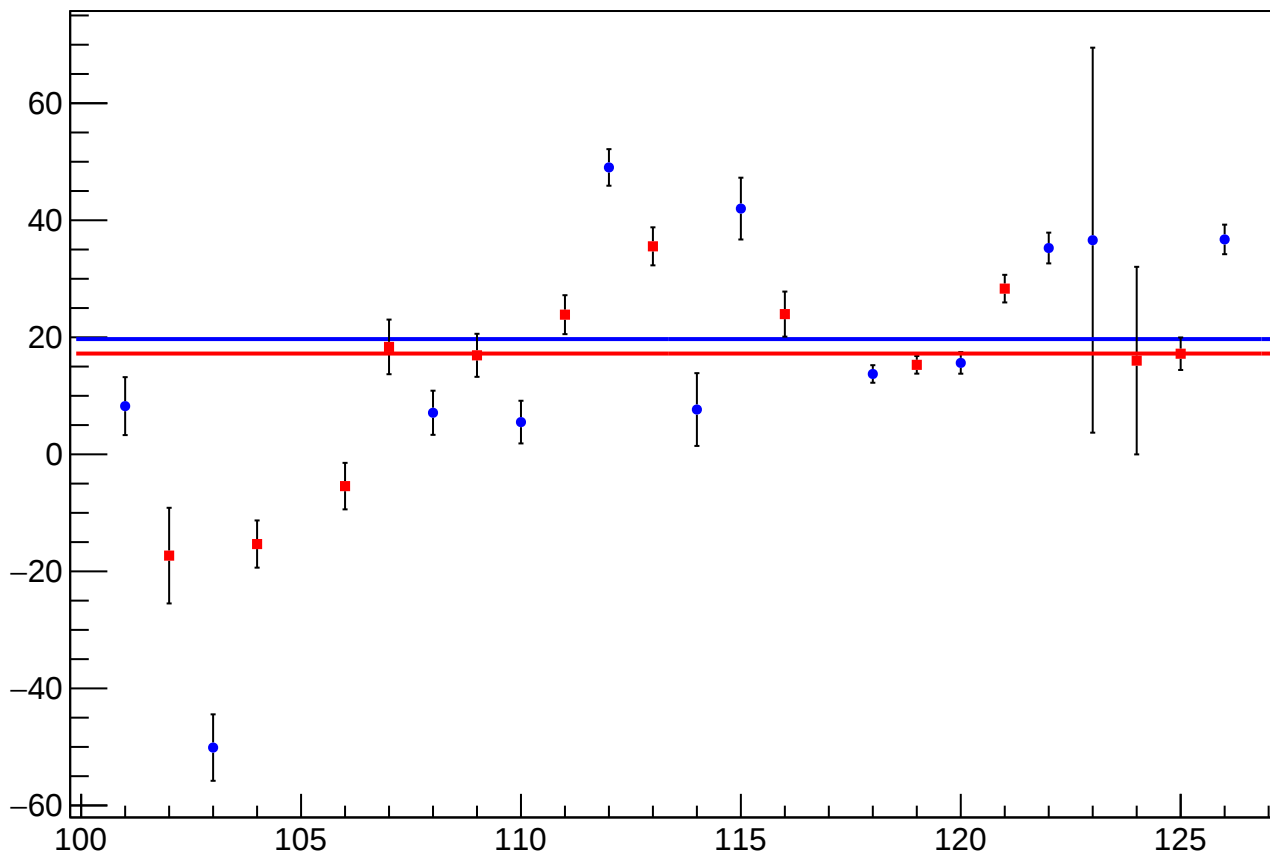
Right: -65.619+/-1.027  $\chi^2/\text{NDF}$ : 1154.2/23

In: -63.762+/-1.487  $\chi^2/\text{NDF}$ : 489.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -65.619+/-1.027  $\chi^2/\text{NDF}$ : 1154.2/23

reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 19.696+/-0.839  $\chi^2/\text{NDF}$ : 393.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 17.223+/-0.888  $\chi^2/\text{NDF}$ : 178.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

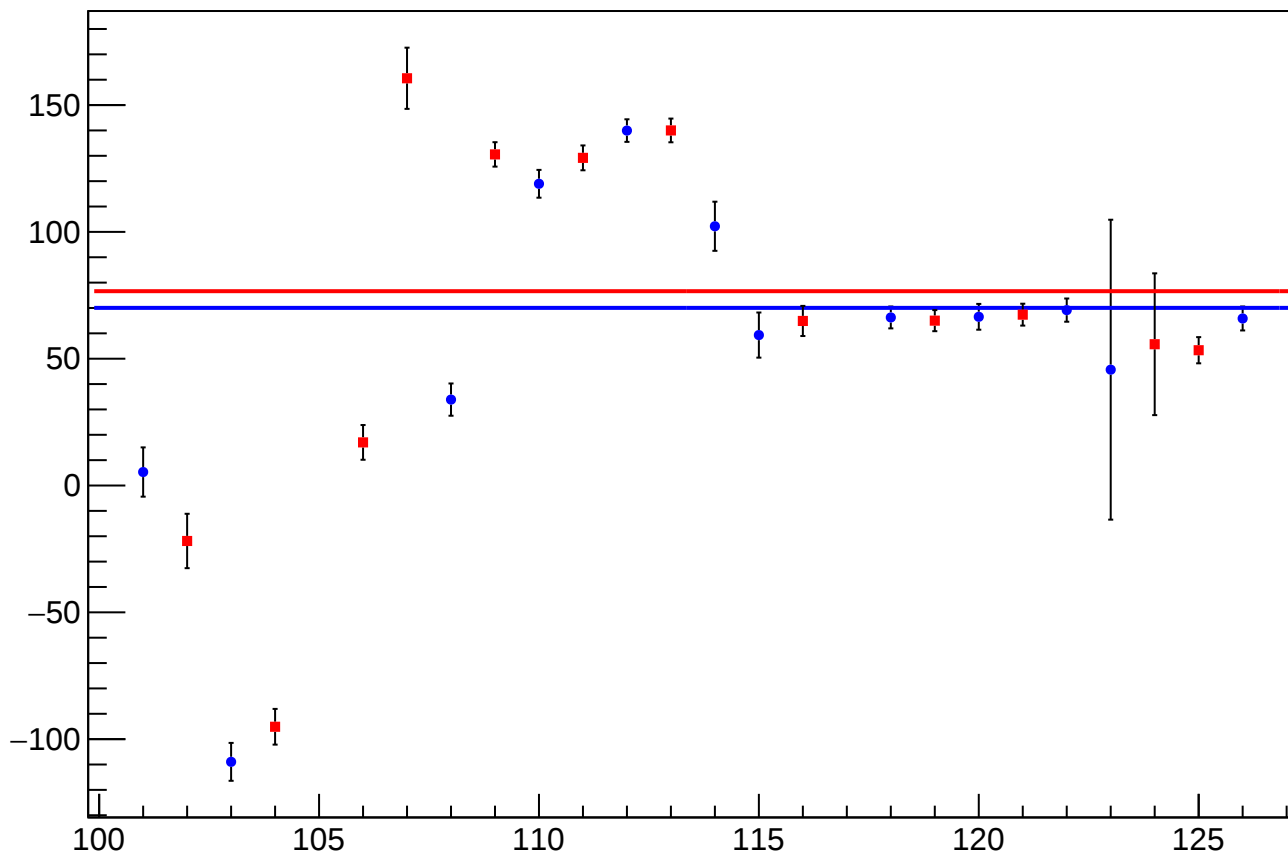
Right: 18.531+/-0.610  $\chi^2/\text{NDF}$ : 576.2/23

In: 19.696+/-0.839  $\chi^2/\text{NDF}$ : 393.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 18.531+/-0.610  $\chi^2/\text{NDF}$ : 576.2/23

reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 70.042+/-1.701  $\chi^2$ /NDF: 991.9/11

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 76.620+/-1.652  $\chi^2$ /NDF: 1265.3/11

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

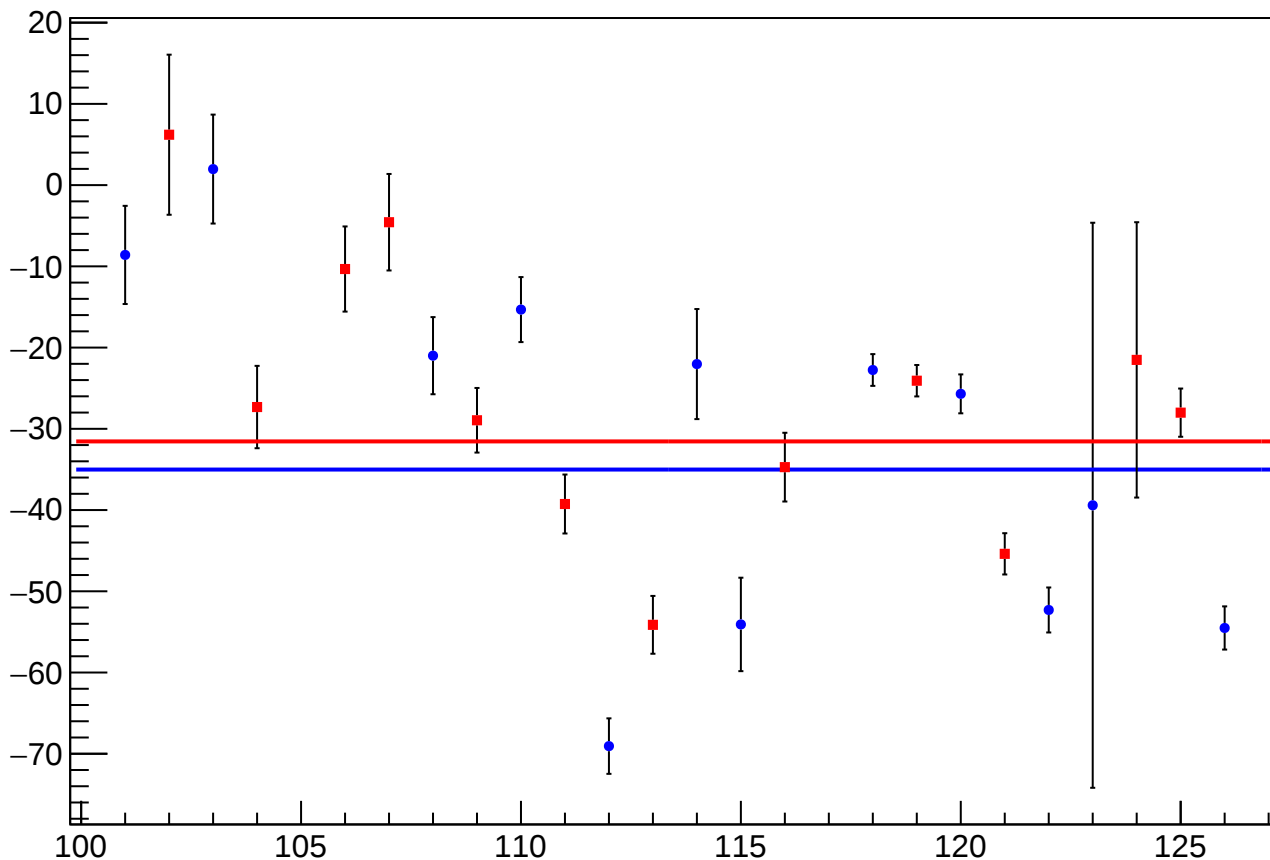
Right: 73.427+/-1.185  $\chi^2$ /NDF: 2264.9/23

In: 70.042+/-1.701  $\chi^2$ /NDF:991.9/11

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 73.427+/-1.185  $\chi^2$ /NDF: 2264.9/23

reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -35.015 $\pm$ 0.999  $\chi^2$ /NDF: 343.7/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -31.550 $\pm$ 1.039  $\chi^2$ /NDF: 144.5/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

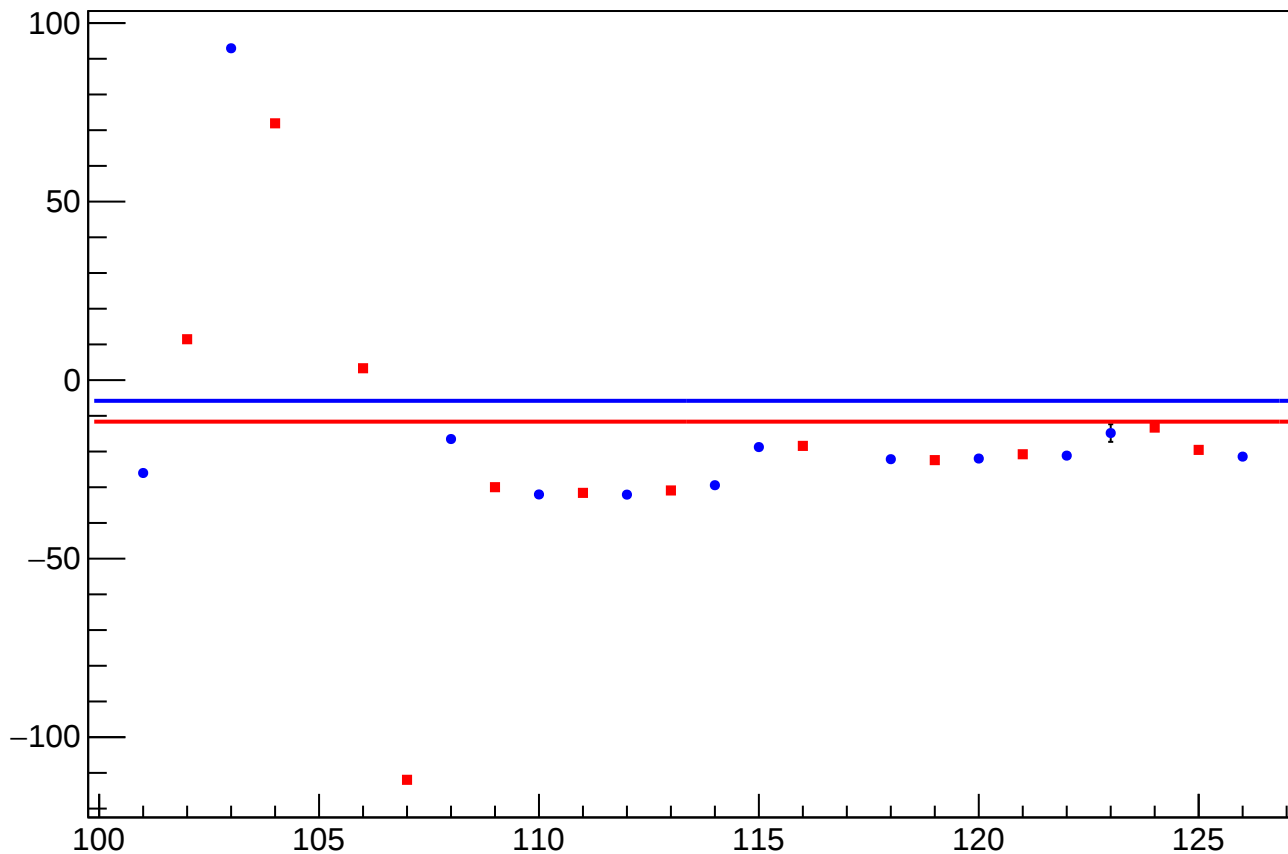
Right: -33.350 $\pm$ 0.720  $\chi^2$ /NDF: 494.0/23

In: -35.015 $\pm$ 0.999  $\chi^2$ /NDF:343.7/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -33.350 $\pm$ 0.720  $\chi^2$ /NDF: 494.0/23

reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -5.797+/-0.064  $\chi^2/\text{NDF}$ : 412340.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -11.630+/-0.063  $\chi^2/\text{NDF}$ : 397163.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

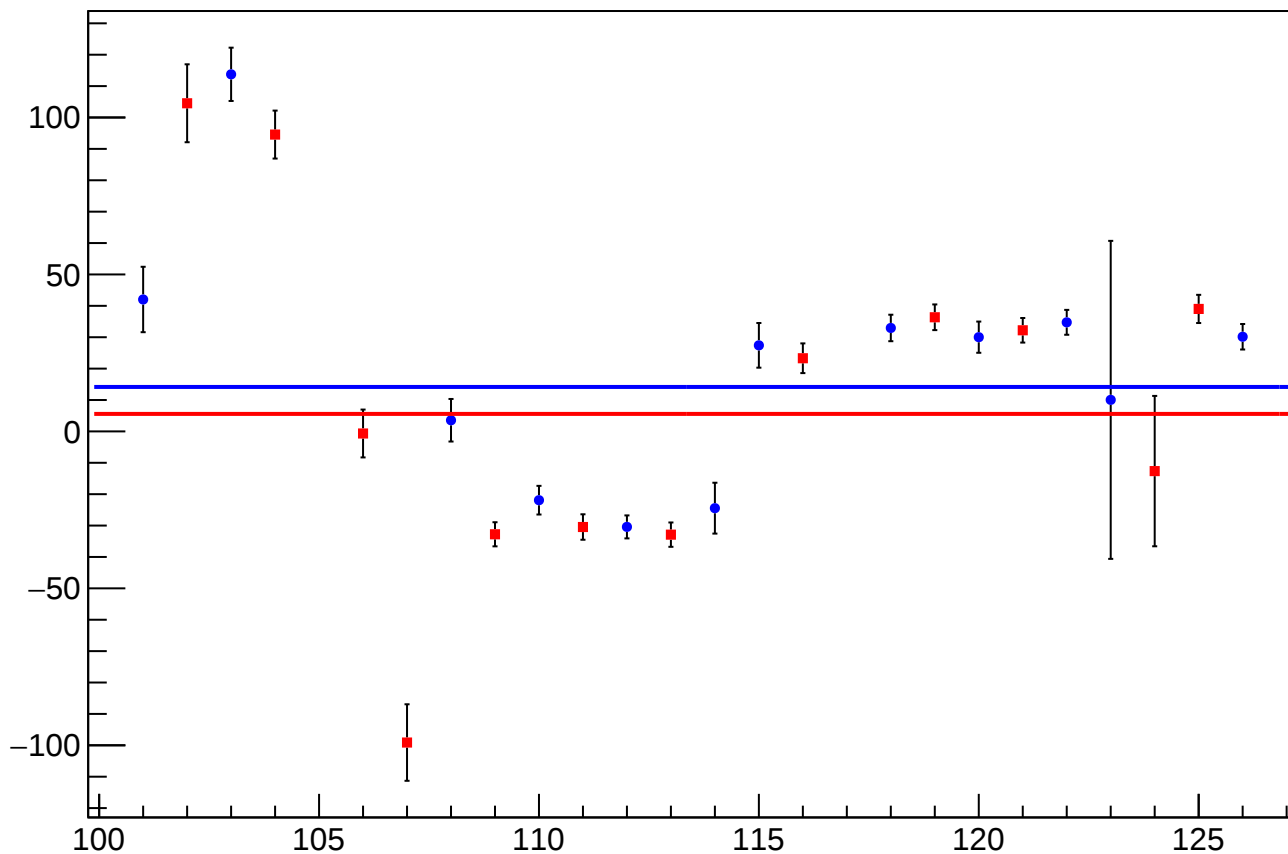
Right: -8.756+/-0.045  $\chi^2/\text{NDF}$ : 813738.9/23

In: -5.797+/-0.064  $\chi^2/\text{NDF}$ : 412340.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.756+/-0.045  $\chi^2/\text{NDF}$ : 813738.9/23

reg\_asym\_at1\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 14.161+/-1.536  $\chi^2/\text{NDF}$ : 456.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.572+/-1.468  $\chi^2/\text{NDF}$ : 723.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

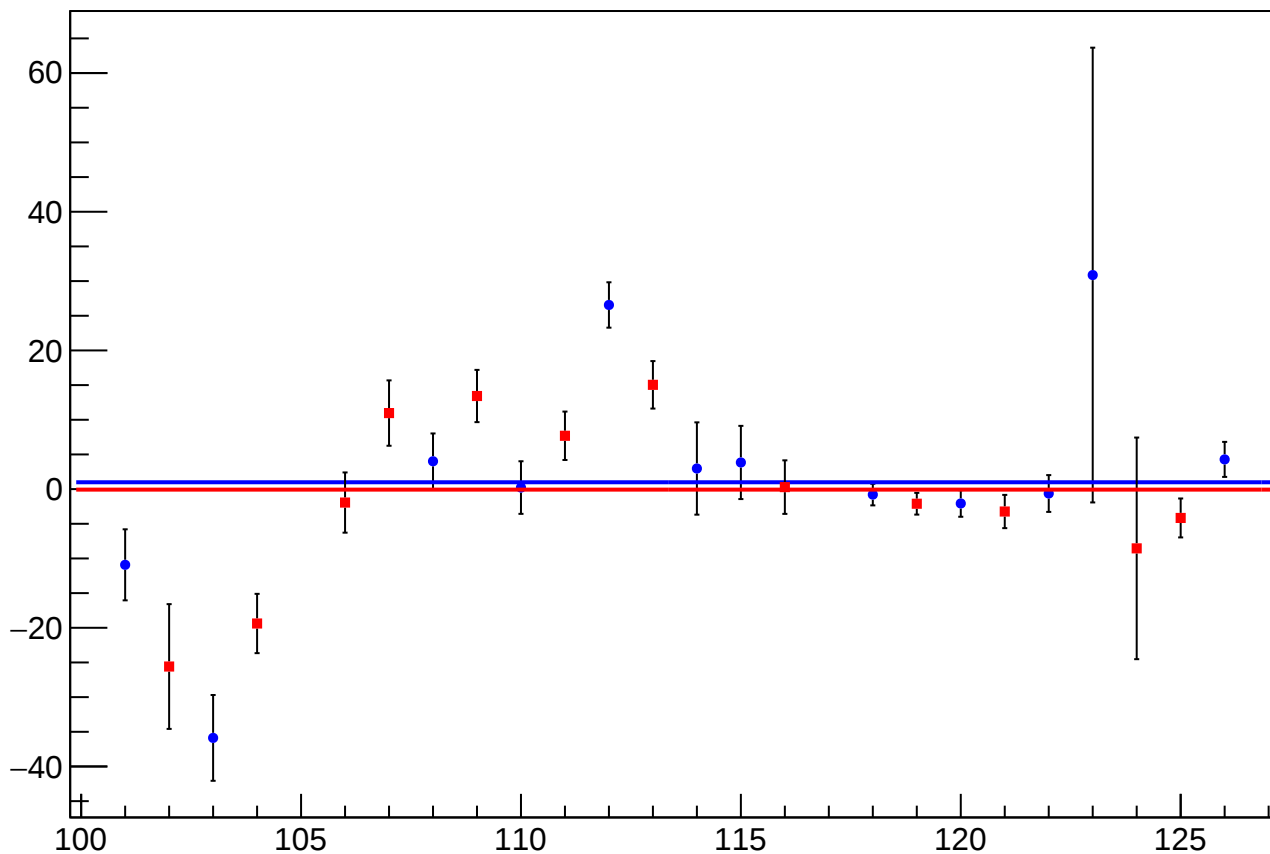
Right: 9.673+/-1.061  $\chi^2/\text{NDF}$ : 1196.8/23

In: 14.161+/-1.536  $\chi^2/\text{NDF}$ : 456.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.673+/-1.061  $\chi^2/\text{NDF}$ : 1196.8/23

reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.988+/-0.866  $\chi^2/\text{NDF}$ : 109.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.074+/-0.920  $\chi^2/\text{NDF}$ : 77.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

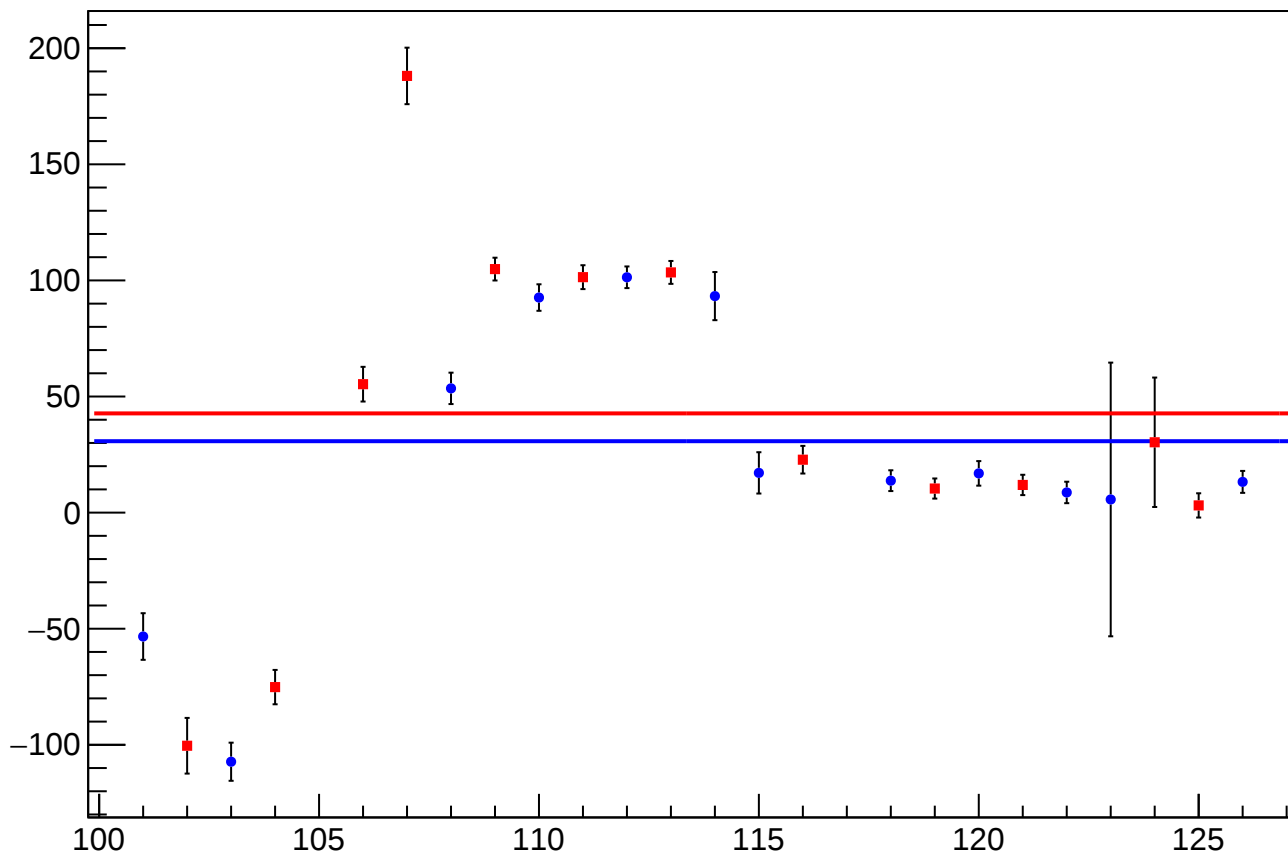
Right: 0.489+/-0.631  $\chi^2/\text{NDF}$ : 187.6/23

In: 0.988+/-0.866  $\chi^2/\text{NDF}$ : 109.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.489+/-0.631  $\chi^2/\text{NDF}$ : 187.6/23

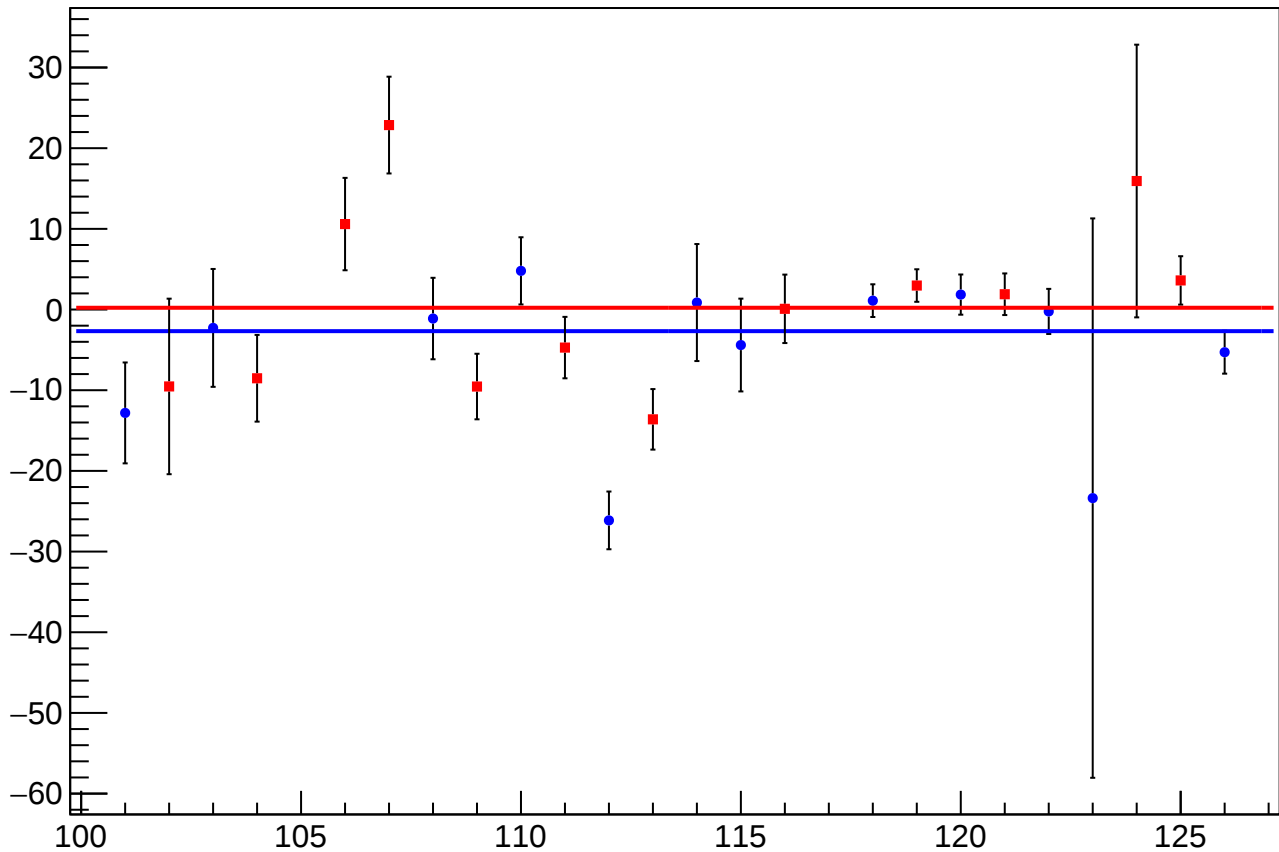
reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 30.761+/-1.760  $\chi^2/\text{NDF}$ : 807.7/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 42.731+/-1.710  $\chi^2/\text{NDF}$ : 1158.9/11  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right: 36.918+/-1.226  $\chi^2/\text{NDF}$ : 1990.4/23  
 In: 30.761+/-1.760  $\chi^2/\text{NDF}$ : 807.7/11  
 Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 All: 36.918+/-1.226  $\chi^2/\text{NDF}$ : 1990.4/23

reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.679+/-1.030  $\chi^2/\text{NDF}$ : 58.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.220+/-1.073  $\chi^2/\text{NDF}$ : 46.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

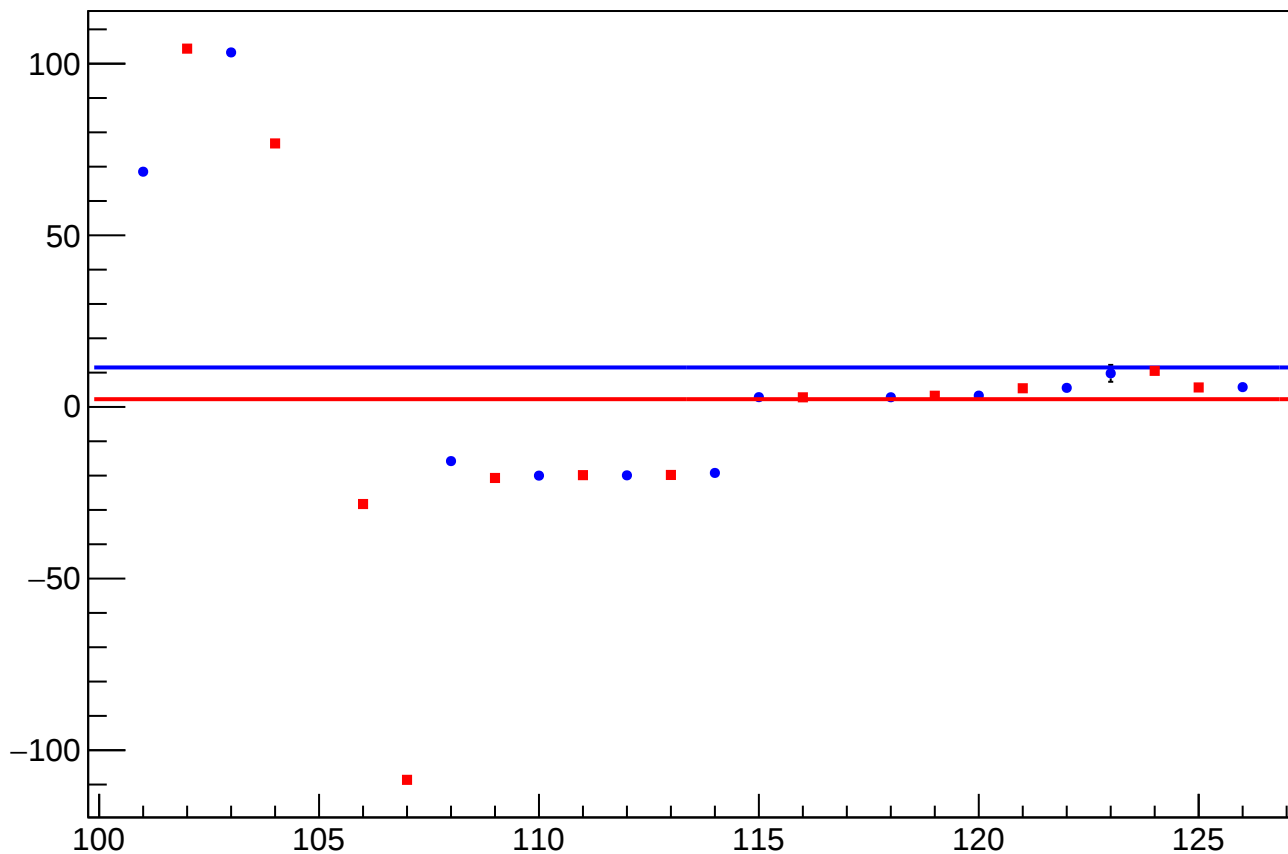
Right: -1.289+/-0.743  $\chi^2/\text{NDF}$ : 108.4/23

In: -2.679+/-1.030  $\chi^2/\text{NDF}$ : 58.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.289+/-0.743  $\chi^2/\text{NDF}$ : 108.4/23

reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 11.506+/-0.067  $\chi^2/\text{NDF}$ : 349006.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.264+/-0.066  $\chi^2/\text{NDF}$ : 504102.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

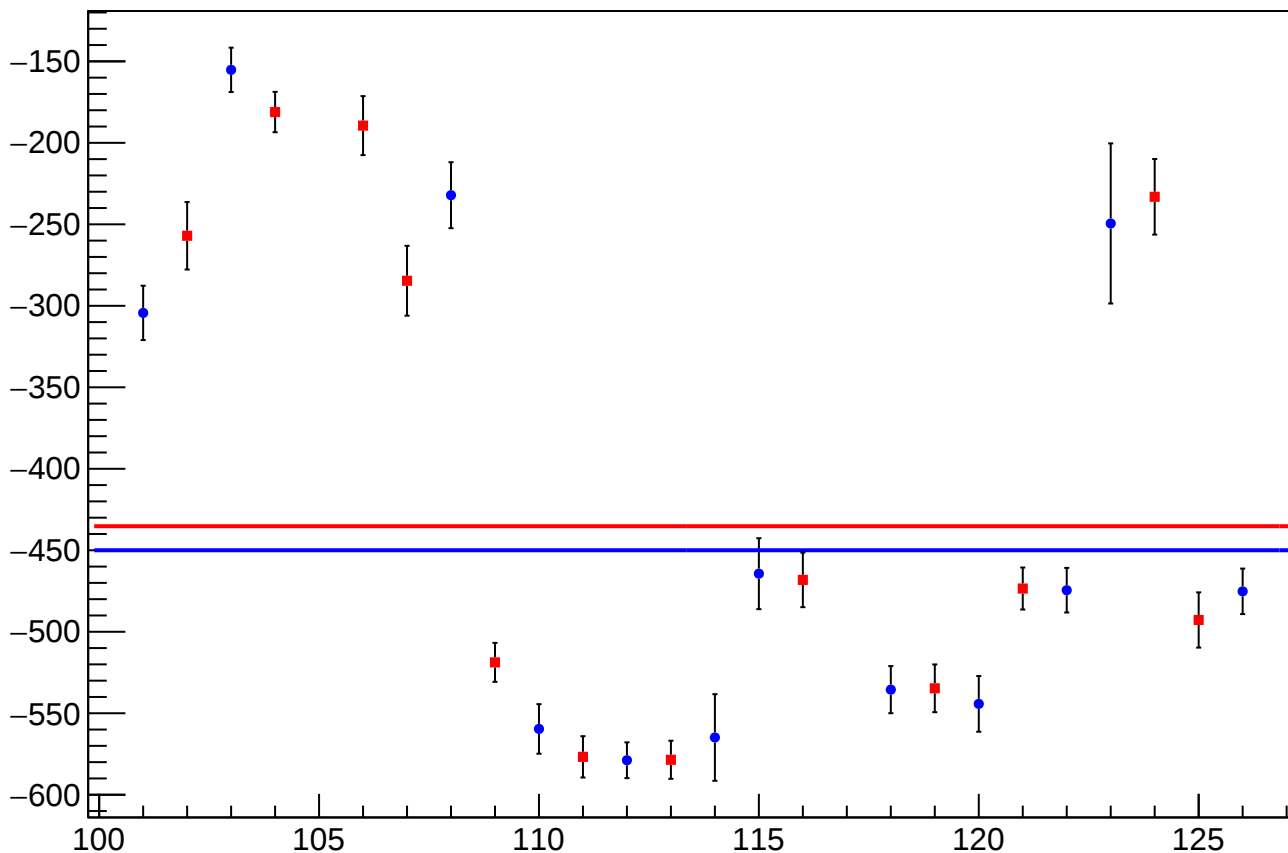
Right: 6.819+/-0.047  $\chi^2/\text{NDF}$ : 862842.3/23

In: 11.506+/-0.067  $\chi^2/\text{NDF}$ : 349006.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.819+/-0.047  $\chi^2/\text{NDF}$ : 862842.3/23

reg\_asym\_at2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -449.982+/-4.628  $\chi^2/\text{NDF}$ : 958.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -435.225+/-4.293  $\chi^2/\text{NDF}$ : 1199.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

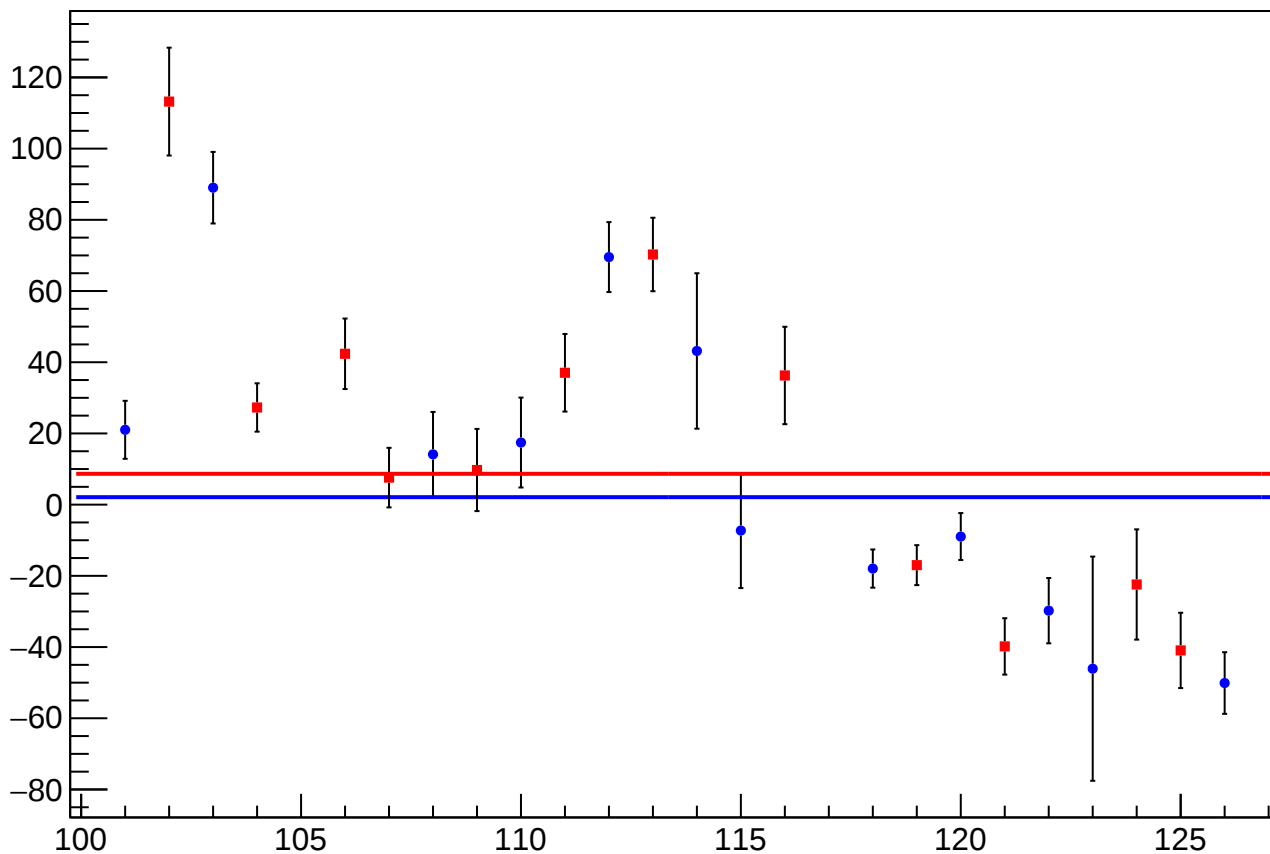
Right: -442.051+/-3.148  $\chi^2/\text{NDF}$ : 2164.1/23

In: -449.982+/-4.628  $\chi^2/\text{NDF}$ : 958.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -442.051+/-3.148  $\chi^2/\text{NDF}$ : 2164.1/23

reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.100+/-2.686  $\chi^2/\text{NDF}$ : 201.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.660+/-2.653  $\chi^2/\text{NDF}$ : 197.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

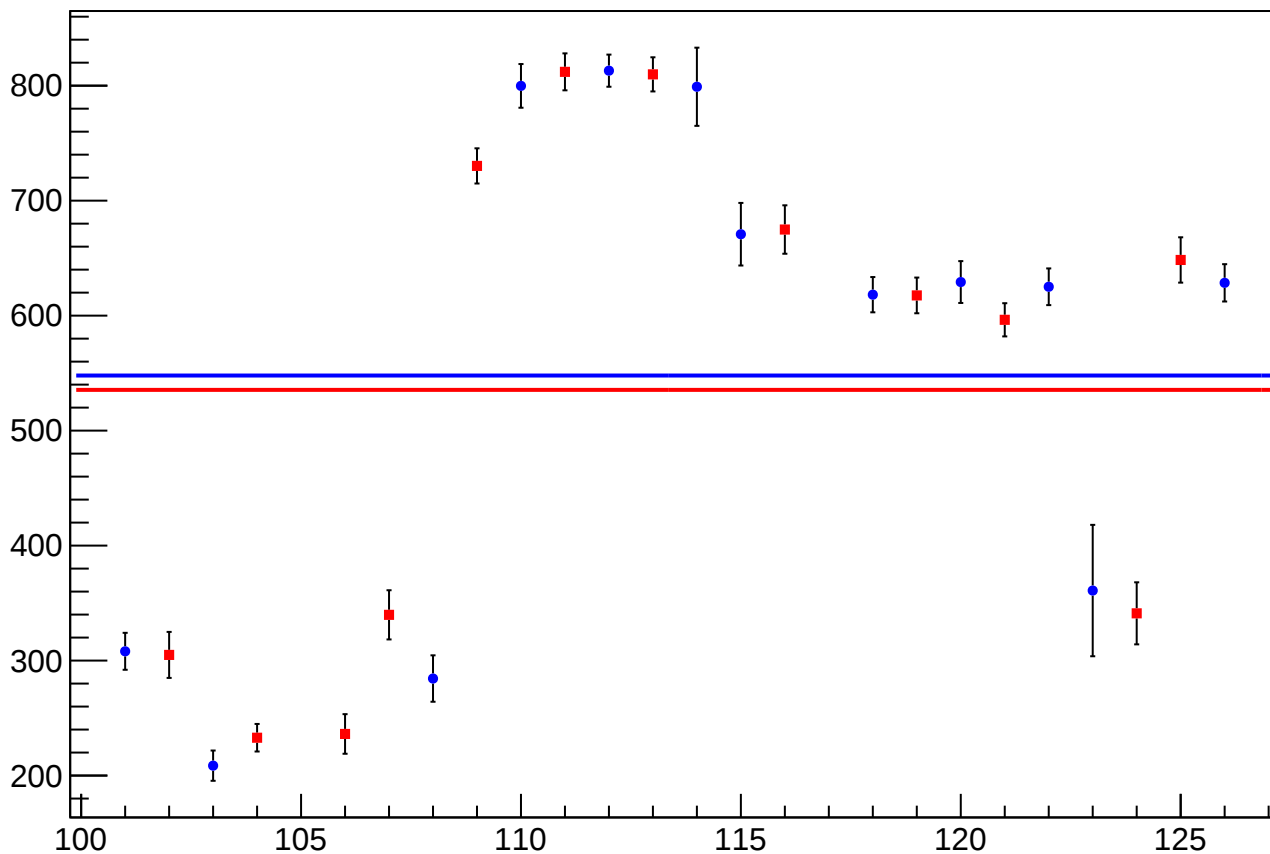
Right: 5.420+/-1.888  $\chi^2/\text{NDF}$ : 402.0/23

In: 2.100+/-2.686  $\chi^2/\text{NDF}$ : 201.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.420+/-1.888  $\chi^2/\text{NDF}$ : 402.0/23

reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 547.911+/-5.164  $\chi^2/\text{NDF}$ : 1768.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 535.431+/-4.831  $\chi^2/\text{NDF}$ : 2130.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

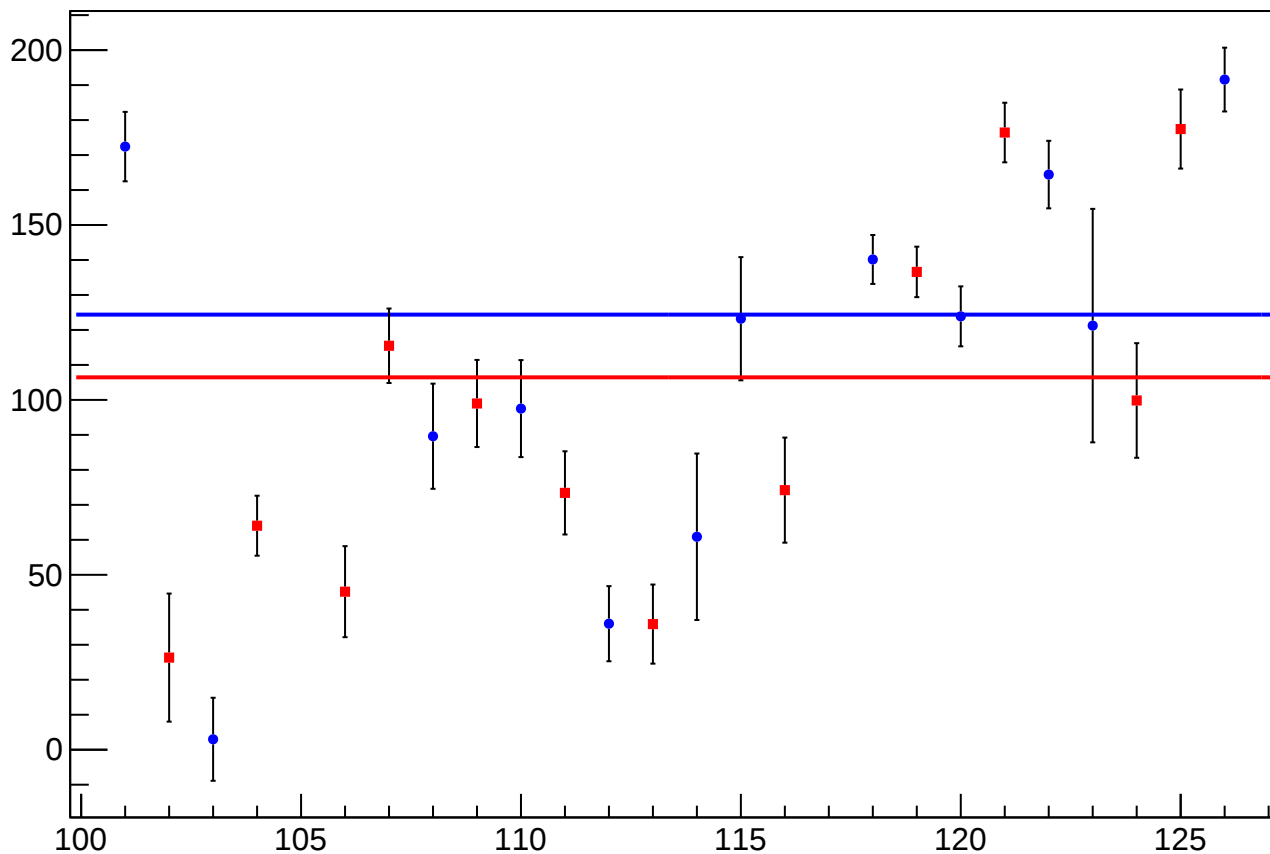
Right: 541.256+/-3.528  $\chi^2/\text{NDF}$ : 3901.4/23

In: 547.911+/-5.164  $\chi^2/\text{NDF}$ : 1768.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 541.256+/-3.528  $\chi^2/\text{NDF}$ : 3901.4/23

reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 124.384 $\pm$ 3.190  $\chi^2$ /NDF: 288.6/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 106.452 $\pm$ 3.137  $\chi^2$ /NDF: 242.7/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

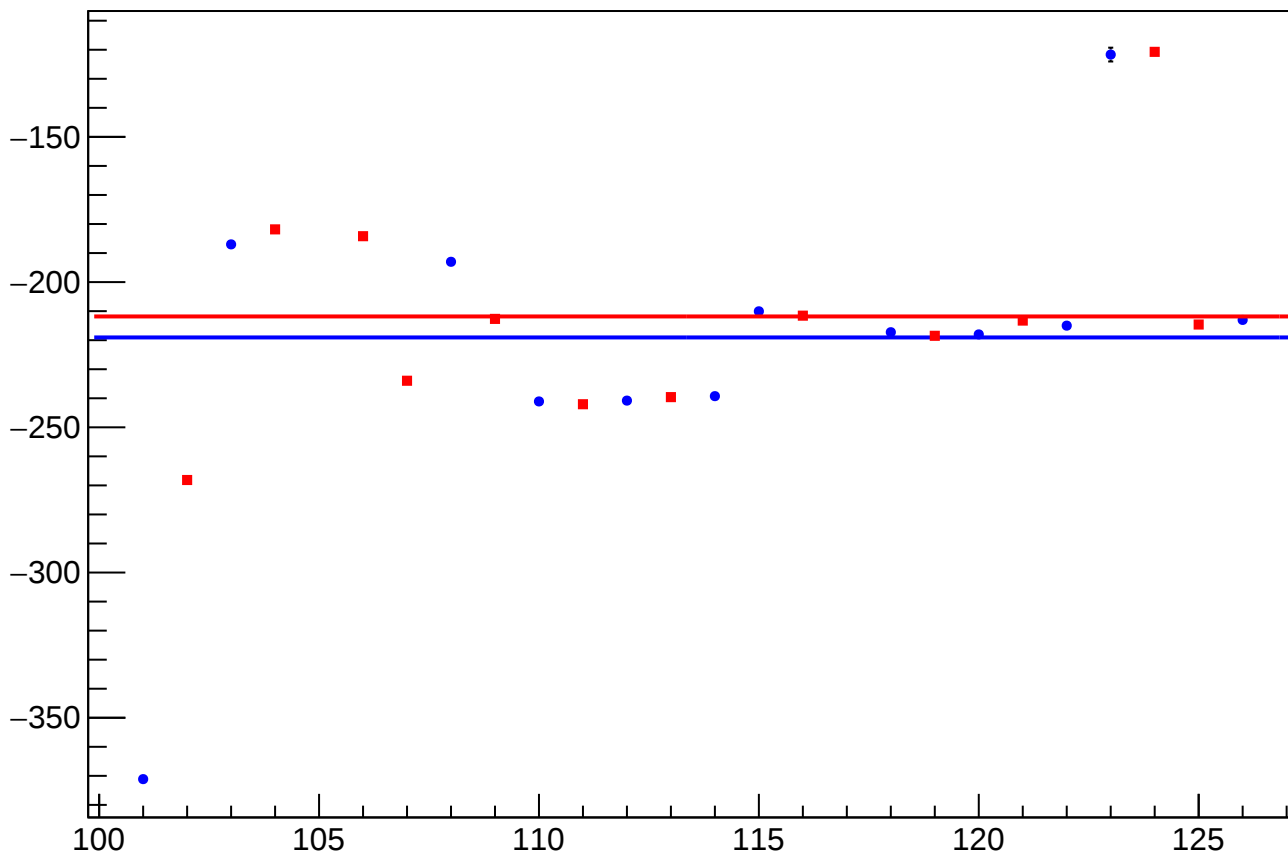
Right: 115.266 $\pm$ 2.237  $\chi^2$ /NDF: 547.3/23

In: 124.384 $\pm$ 3.190  $\chi^2$ /NDF:288.6/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 115.266 $\pm$ 2.237  $\chi^2$ /NDF: 547.3/23

reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -219.052+/-0.176  $\chi^2/\text{NDF}$ : 87764.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -211.825+/-0.163  $\chi^2/\text{NDF}$ : 38743.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

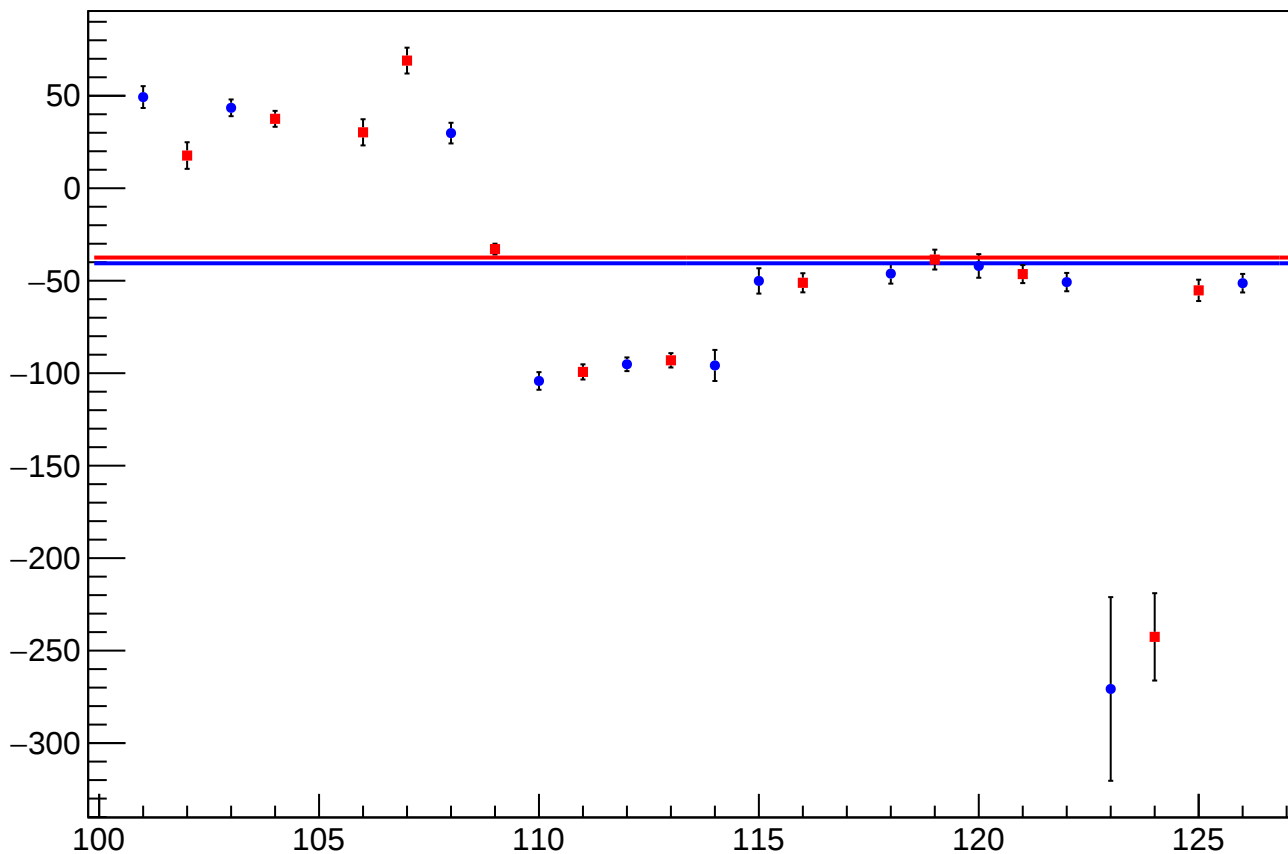
Right: -215.173+/-0.120  $\chi^2/\text{NDF}$ : 127414.4/23

In: -219.052+/-0.176  $\chi^2/\text{NDF}$ : 87764.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -215.173+/-0.120  $\chi^2/\text{NDF}$ : 127414.4/23

reg\_asym\_at2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -40.581+/-1.577  $\chi^2/\text{NDF}$ : 1208.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -37.475+/-1.410  $\chi^2/\text{NDF}$ : 1216.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

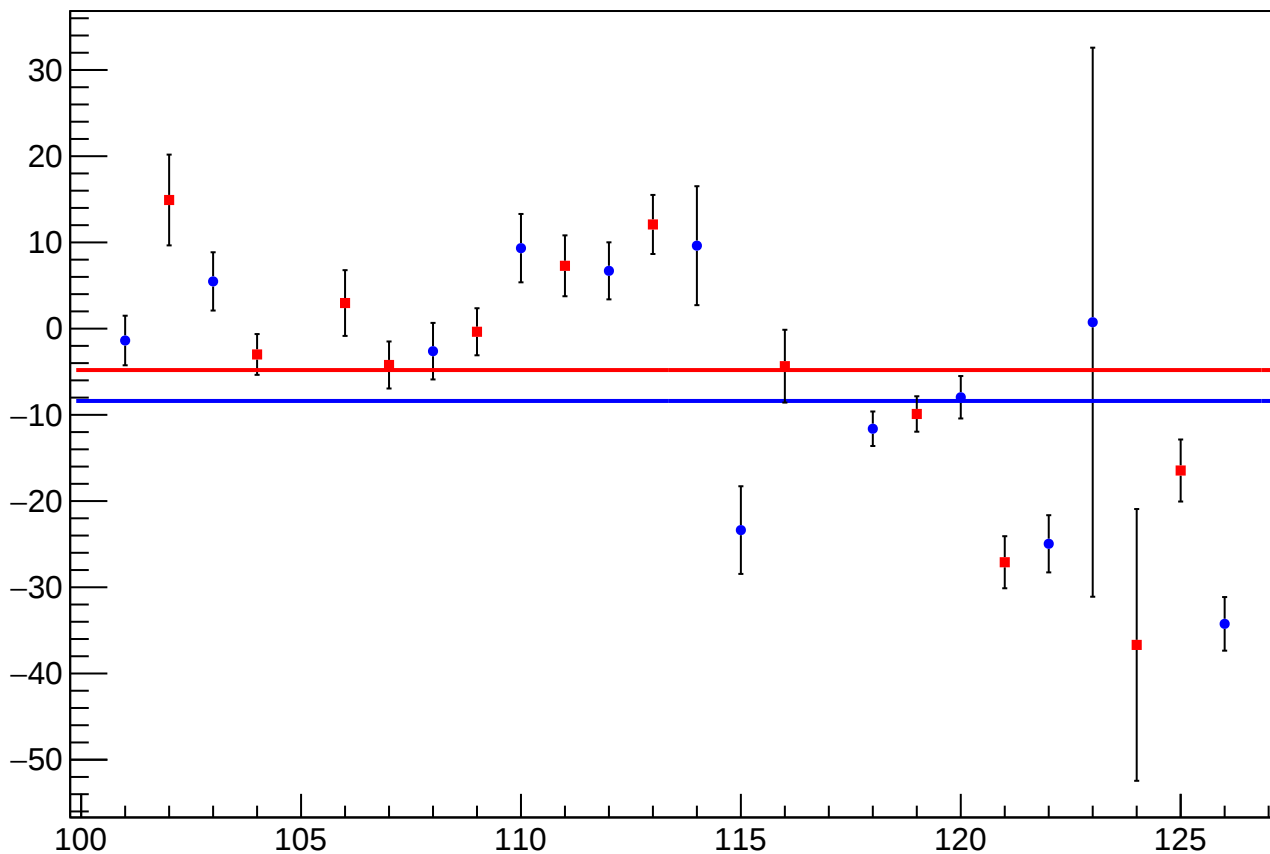
Right: -38.855+/-1.051  $\chi^2/\text{NDF}$ : 2427.3/23

In: -40.581+/-1.577  $\chi^2/\text{NDF}$ : 1208.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -38.855+/-1.051  $\chi^2/\text{NDF}$ : 2427.3/23

reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-8.389 \pm 0.942$   $\chi^2/\text{NDF}$ : 179.0/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4.804 \pm 0.912$   $\chi^2/\text{NDF}$ : 132.7/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

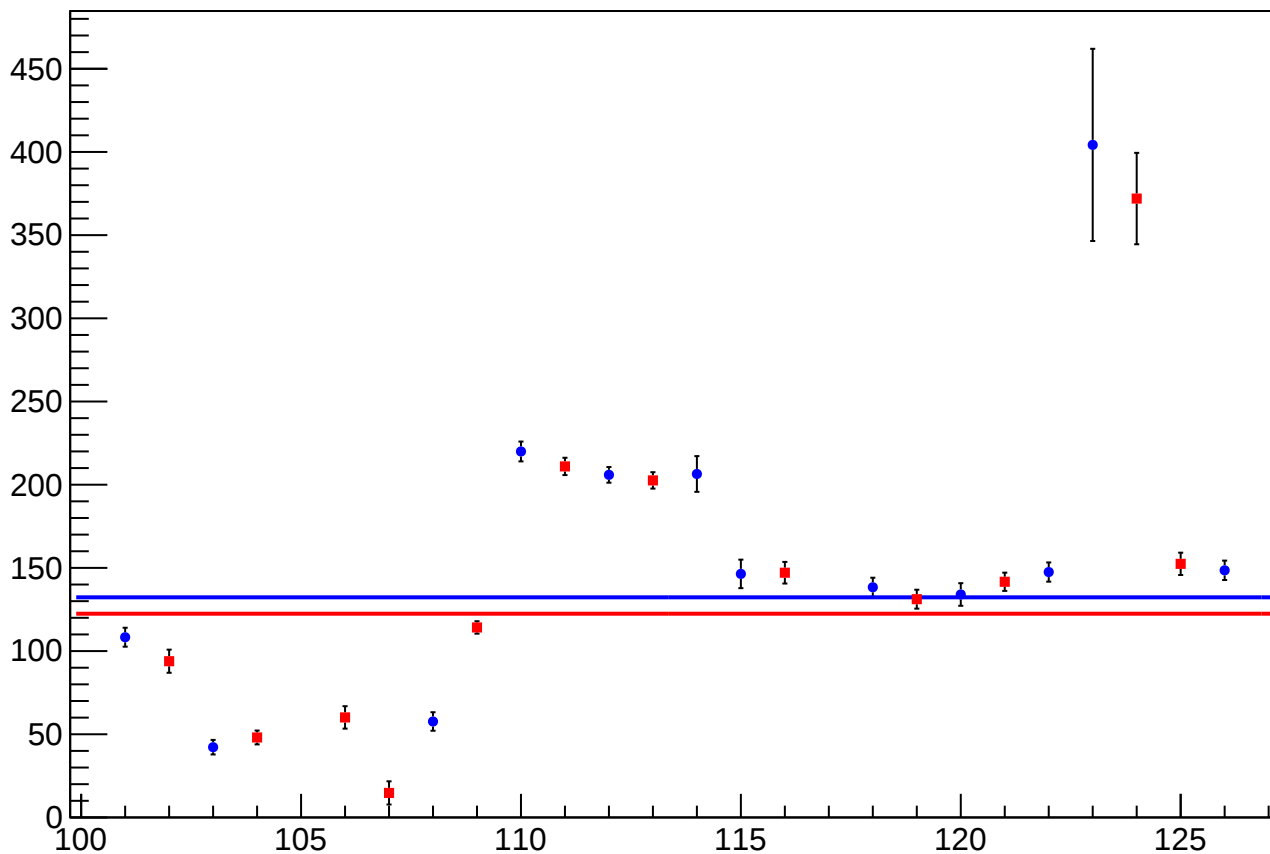
Right:  $-6.539 \pm 0.655$   $\chi^2/\text{NDF}$ : 319.2/23

In:  $-8.389 \pm 0.942$   $\chi^2/\text{NDF}$ : 179.0/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-6.539 \pm 0.655$   $\chi^2/\text{NDF}$ : 319.2/23

reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 132.313+/-1.760  $\chi^2/\text{NDF}$ : 1170.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 122.466+/-1.619  $\chi^2/\text{NDF}$ : 1349.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

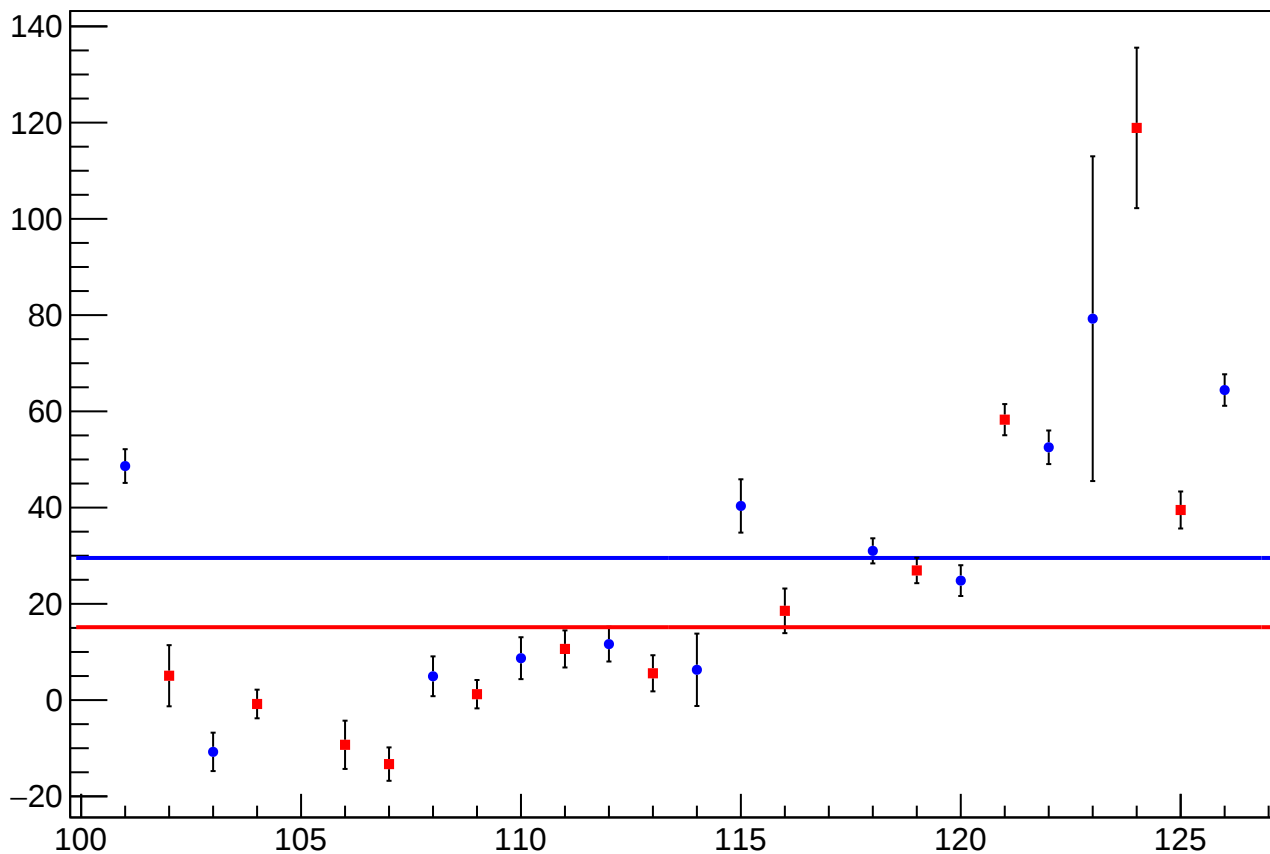
Right: 126.977+/-1.192  $\chi^2/\text{NDF}$ : 2536.9/23

In: 132.313+/-1.760  $\chi^2/\text{NDF}$ : 1170.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 126.977+/-1.192  $\chi^2/\text{NDF}$ : 2536.9/23

reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 29.535+/-1.116  $\chi^2/\text{NDF}$ : 389.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 15.149+/-1.072  $\chi^2/\text{NDF}$ : 429.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

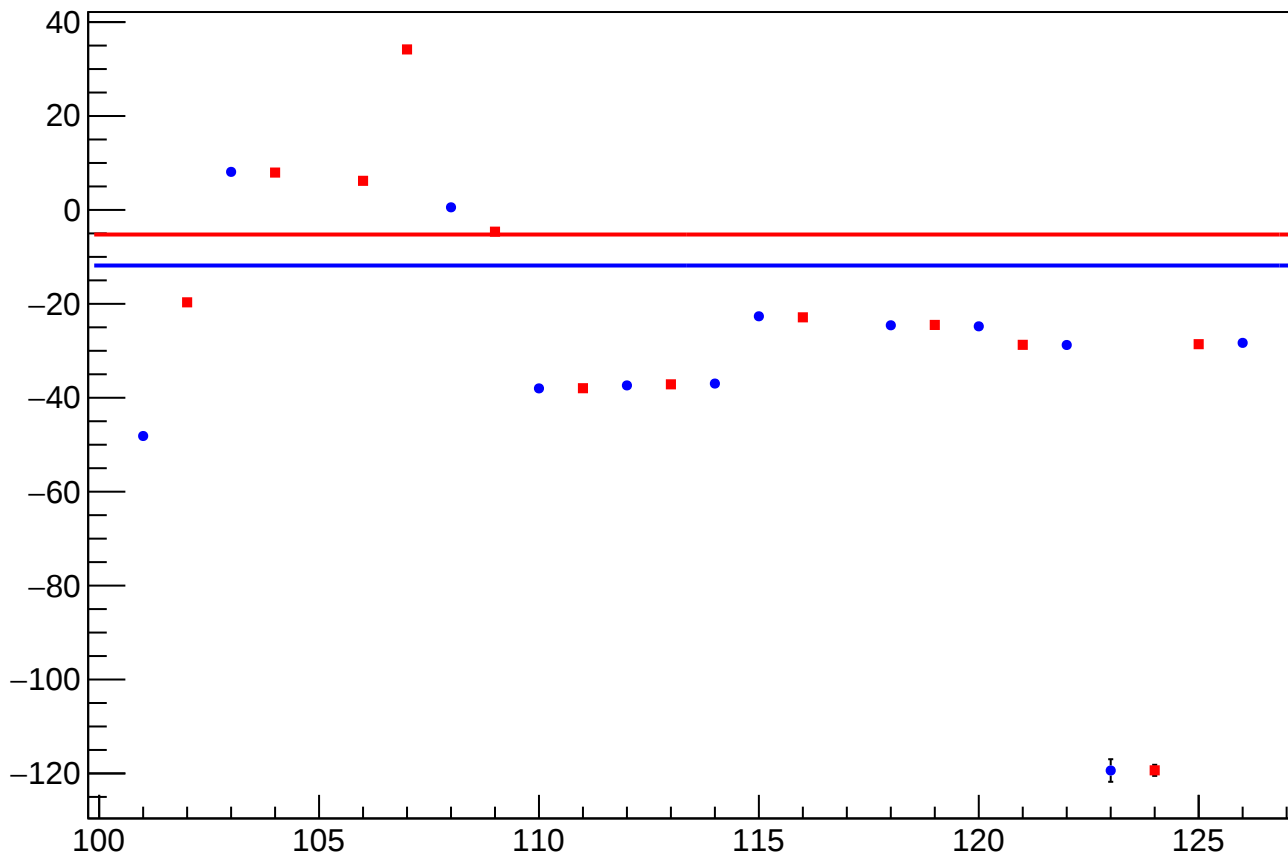
Right: 22.054+/-0.773  $\chi^2/\text{NDF}$ : 904.7/23

In: 29.535+/-1.116  $\chi^2/\text{NDF}$ : 389.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 22.054+/-0.773  $\chi^2/\text{NDF}$ : 904.7/23

reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -11.837+/-0.058  $\chi^2/\text{NDF}$ : 123313.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.237+/-0.055  $\chi^2/\text{NDF}$ : 160817.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

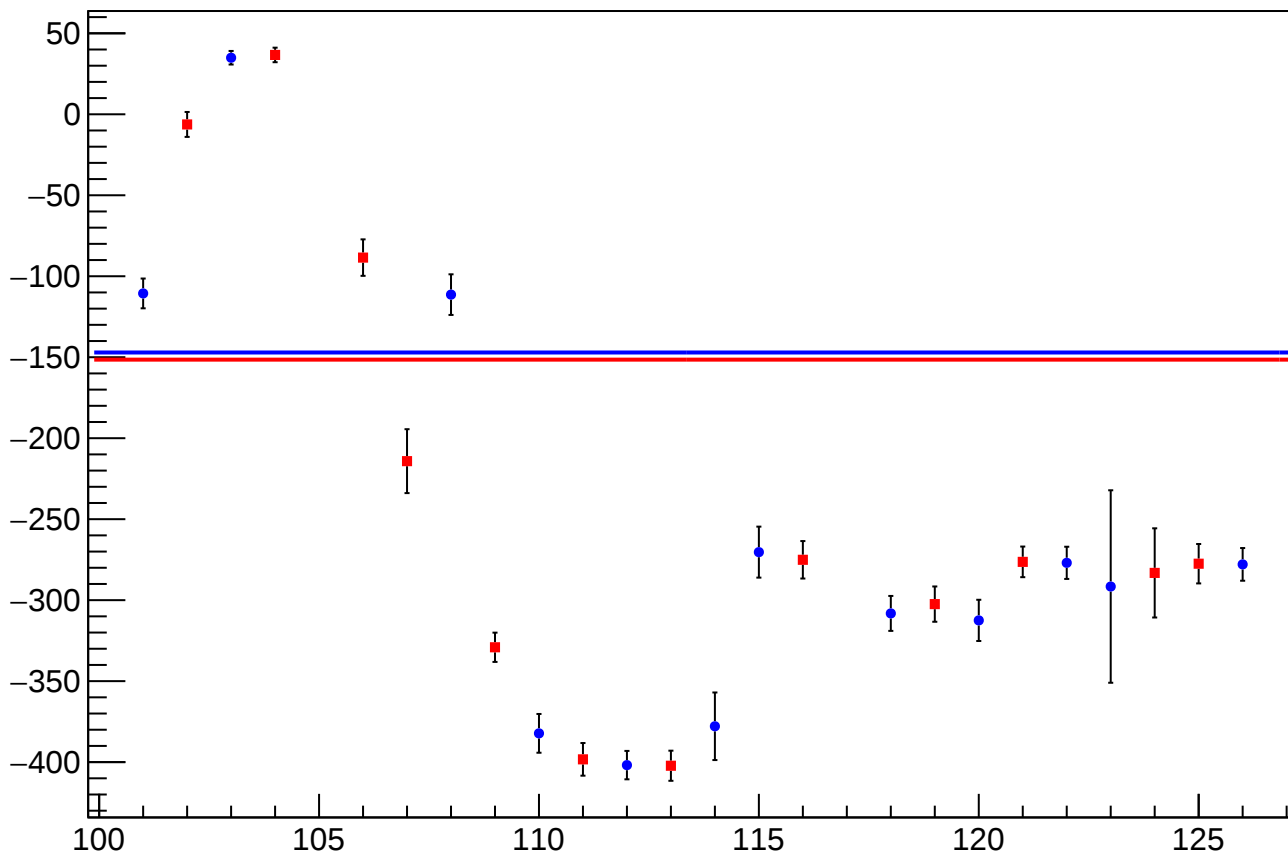
Right: -8.374+/-0.040  $\chi^2/\text{NDF}$ : 290895.5/23

In: -11.837+/-0.058  $\chi^2/\text{NDF}$ : 123313.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.374+/-0.040  $\chi^2/\text{NDF}$ : 290895.5/23

reg\_asym\_atl1r2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -147.076+/-2.707  $\chi^2/\text{NDF}$ : 4062.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -151.489+/-2.619  $\chi^2/\text{NDF}$ : 4476.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

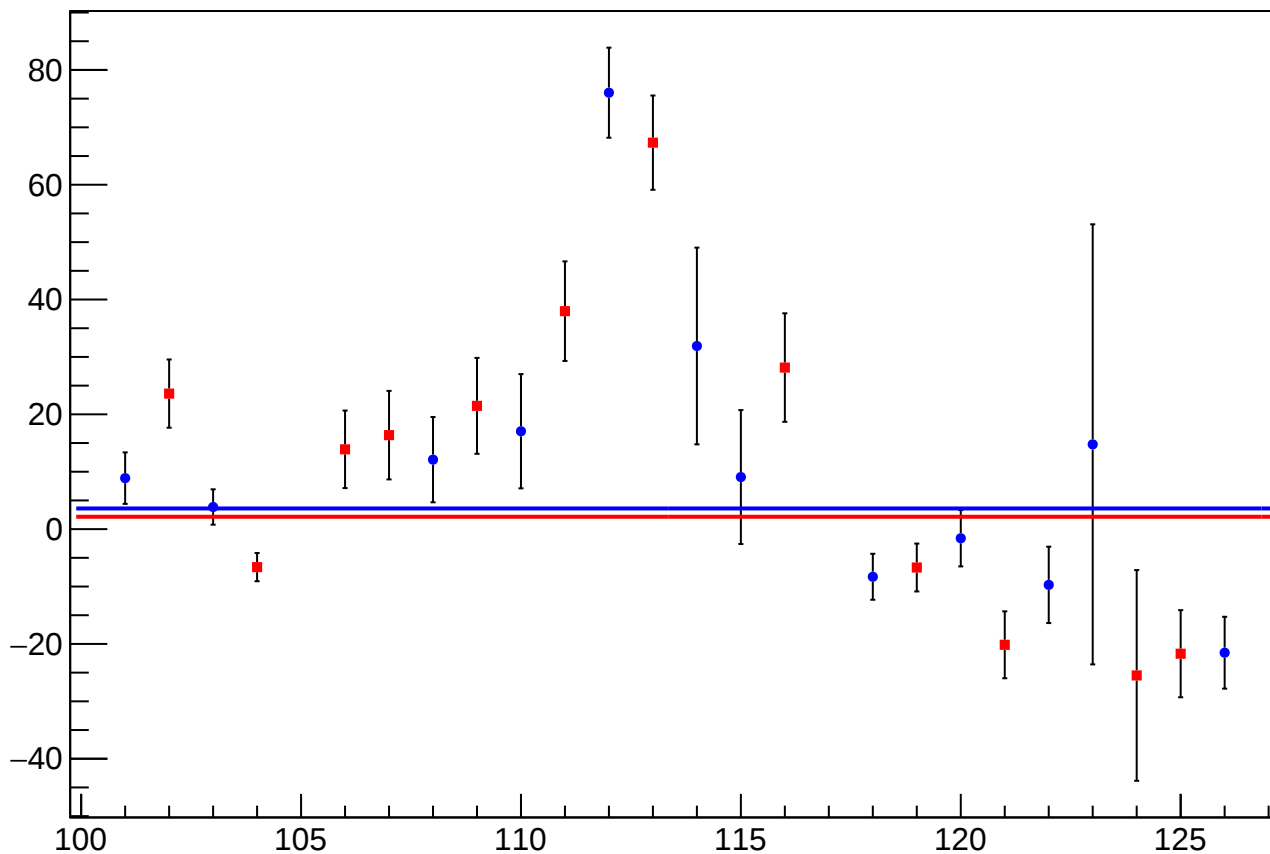
Right: -149.355+/-1.882  $\chi^2/\text{NDF}$ : 8540.8/23

In: -147.076+/-2.707  $\chi^2/\text{NDF}$ :4062.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -149.355+/-1.882  $\chi^2/\text{NDF}$ : 8540.8/23

reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.601+/-1.660  $\chi^2/\text{NDF}$ : 122.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.156+/-1.594  $\chi^2/\text{NDF}$ : 156.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

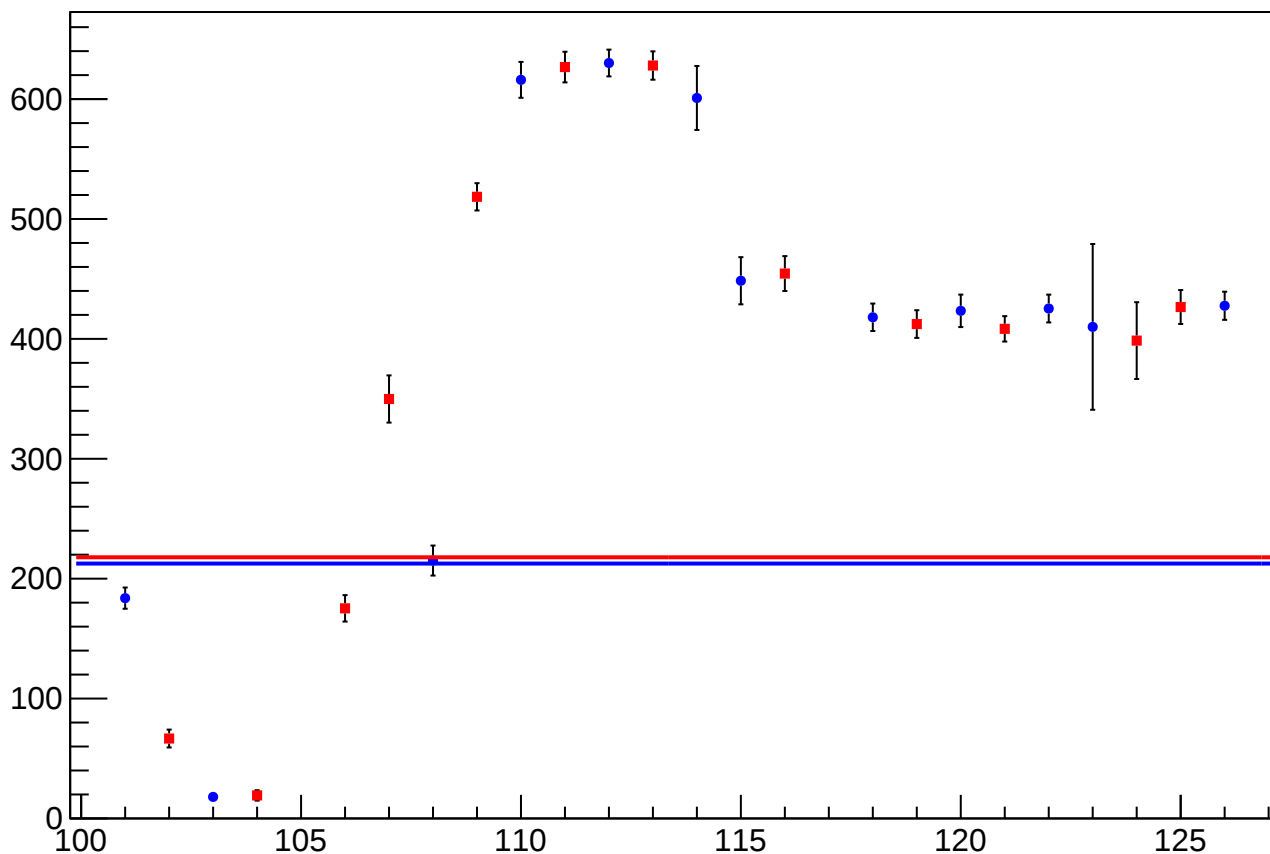
Right: 2.849+/-1.150  $\chi^2/\text{NDF}$ : 279.7/23

In: 3.601+/-1.660  $\chi^2/\text{NDF}$ : 122.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.849+/-1.150  $\chi^2/\text{NDF}$ : 279.7/23

reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 212.594+/-2.834  $\chi^2/\text{NDF}$ : 6044.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 217.830+/-2.775  $\chi^2/\text{NDF}$ : 6605.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

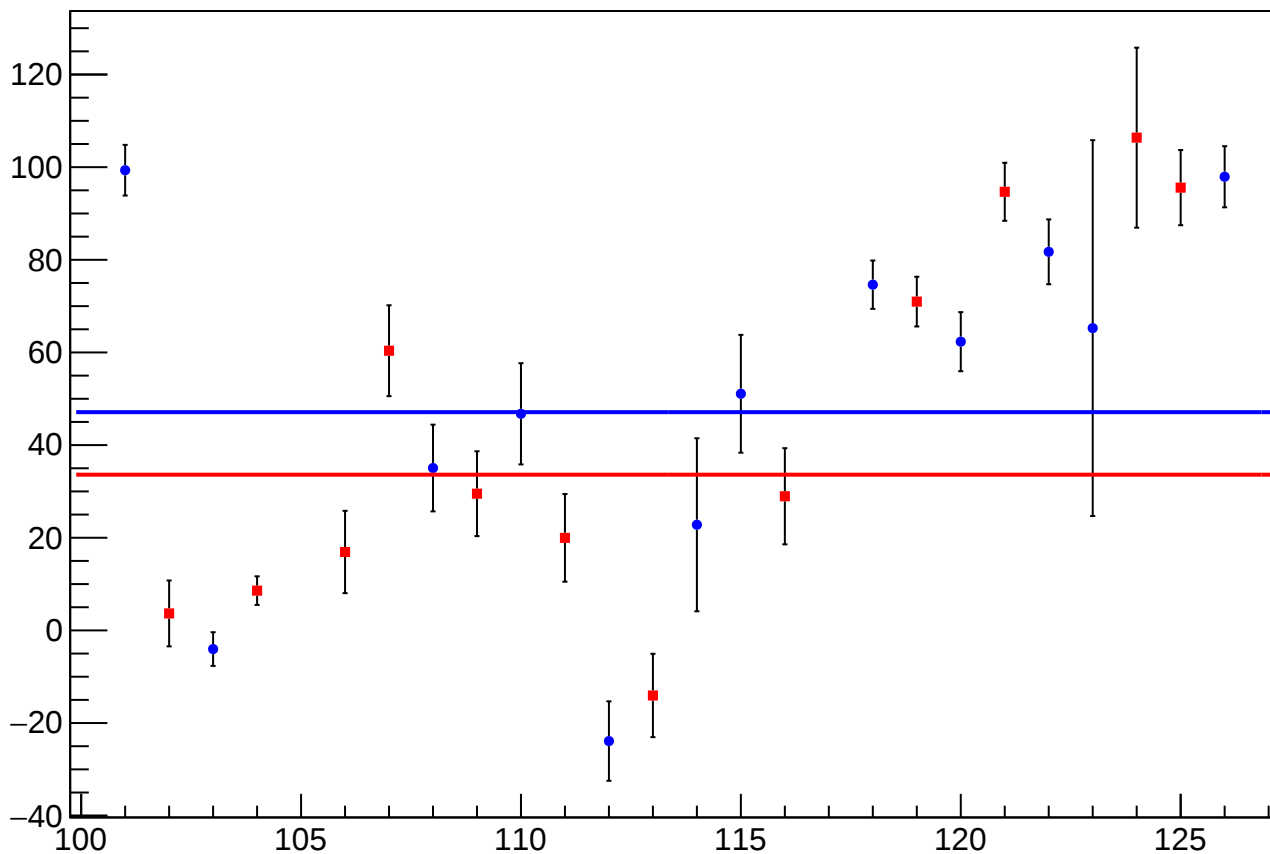
Right: 215.266+/-1.983  $\chi^2/\text{NDF}$ : 12651.4/23

In: 212.594+/-2.834  $\chi^2/\text{NDF}$ :6044.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 215.266+/-1.983  $\chi^2/\text{NDF}$ : 12651.4/23

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 47.114+/-1.974  $\chi^2/\text{NDF}$ : 478.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 33.616+/-1.922  $\chi^2/\text{NDF}$ : 340.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

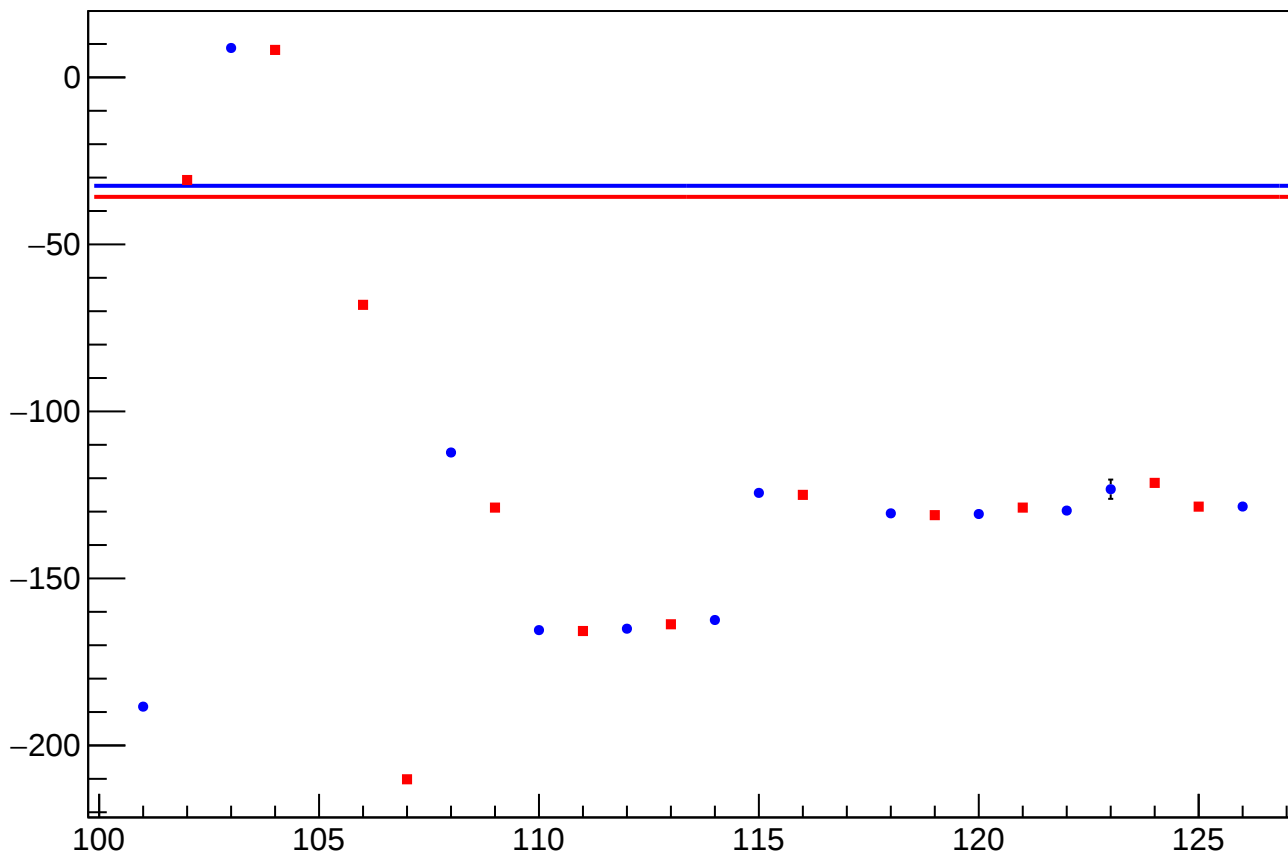
Right: 40.187+/-1.377  $\chi^2/\text{NDF}$ : 843.1/23

In: 47.114+/-1.974  $\chi^2/\text{NDF}$ : 478.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 40.187+/-1.377  $\chi^2/\text{NDF}$ : 843.1/23

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -32.457+/-0.077  $\chi^2/\text{NDF}$ : 794628.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -35.766+/-0.079  $\chi^2/\text{NDF}$ : 594410.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

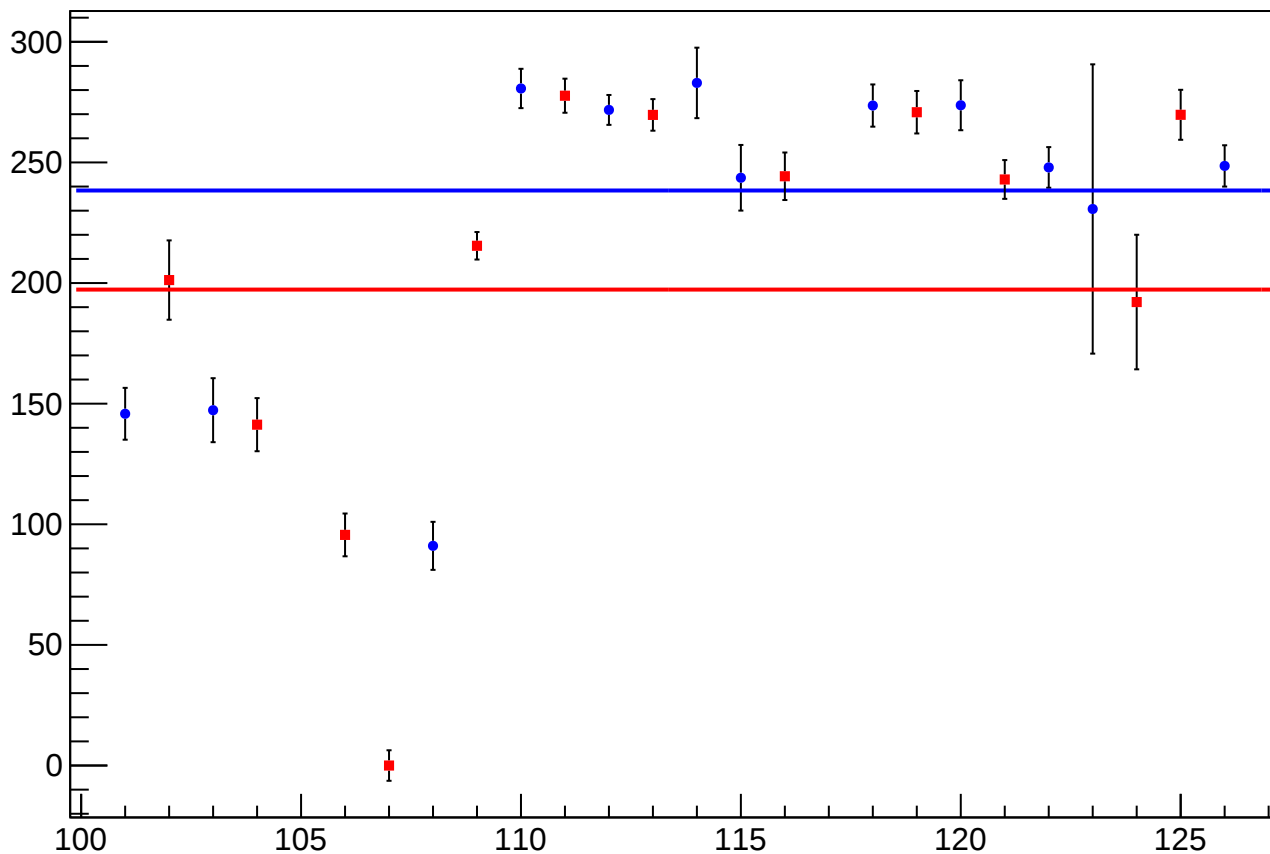
Right: -34.079+/-0.055  $\chi^2/\text{NDF}$ : 1389933.4/23

In: -32.457+/-0.077  $\chi^2/\text{NDF}$ : 794628.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -34.079+/-0.055  $\chi^2/\text{NDF}$ : 1389933.4/23

reg\_asym\_atl1r2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 238.367 $\pm$ 2.817  $\chi^2$ /NDF: 436.4/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 197.292 $\pm$ 2.404  $\chi^2$ /NDF: 1565.0/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

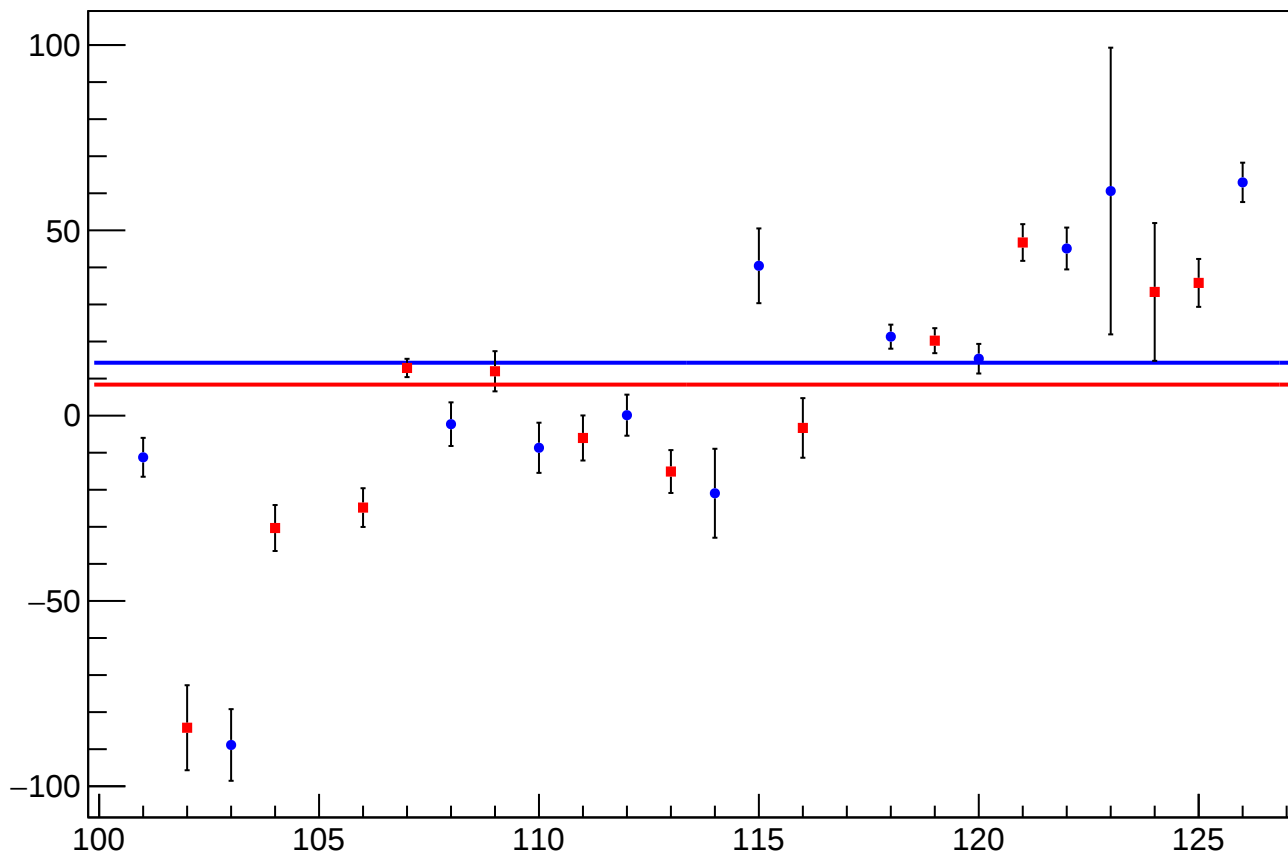
Right: 214.602 $\pm$ 1.828  $\chi^2$ /NDF: 2124.4/23

In: 238.367 $\pm$ 2.817  $\chi^2$ /NDF:436.4/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 214.602 $\pm$ 1.828  $\chi^2$ /NDF: 2124.4/23

reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 14.279+/-1.639  $\chi^2/\text{NDF}$ : 298.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.375+/-1.419  $\chi^2/\text{NDF}$ : 264.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

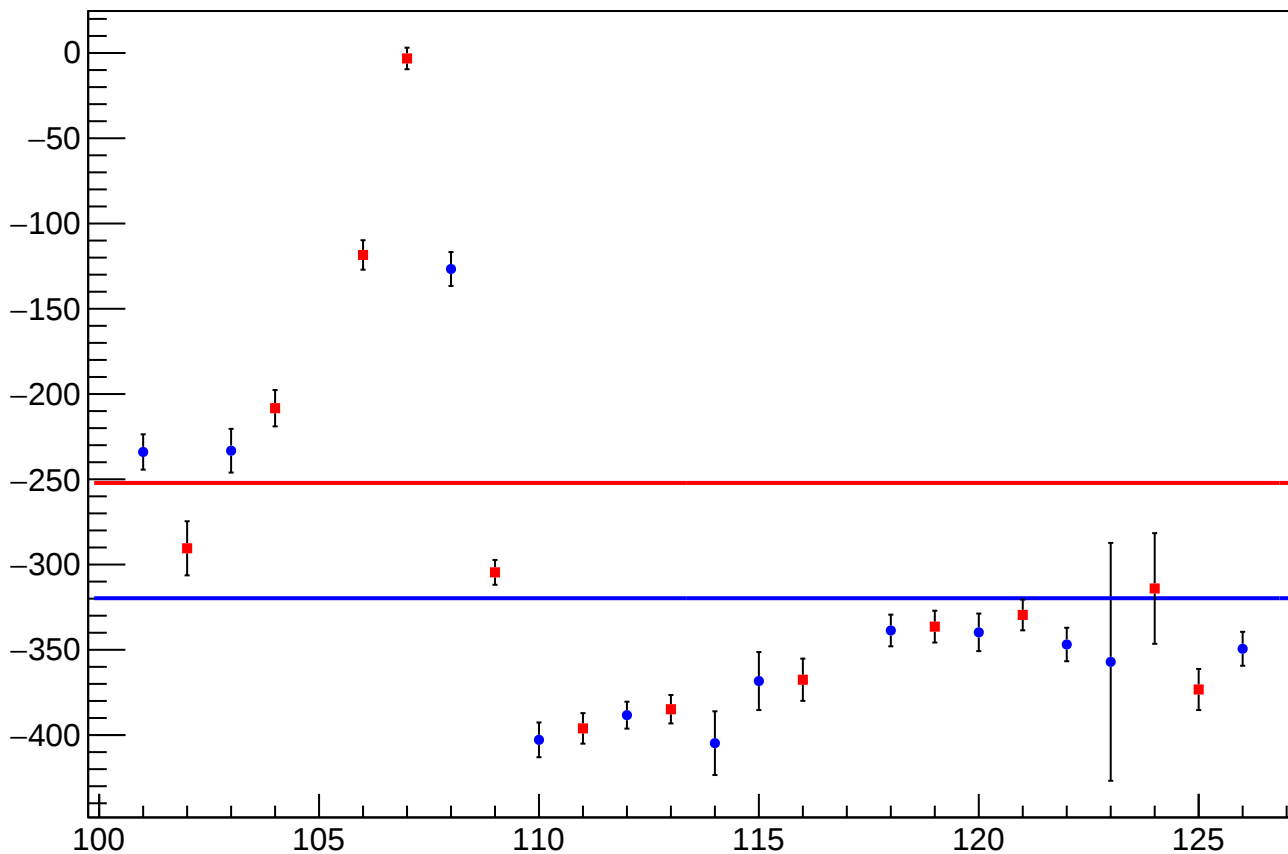
Right: 10.905+/-1.073  $\chi^2/\text{NDF}$ : 570.6/23

In: 14.279+/-1.639  $\chi^2/\text{NDF}$ : 298.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.905+/-1.073  $\chi^2/\text{NDF}$ : 570.6/23

reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -319.746+/-3.193  $\chi^2/\text{NDF}$ : 687.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -252.136+/-2.720  $\chi^2/\text{NDF}$ : 2727.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

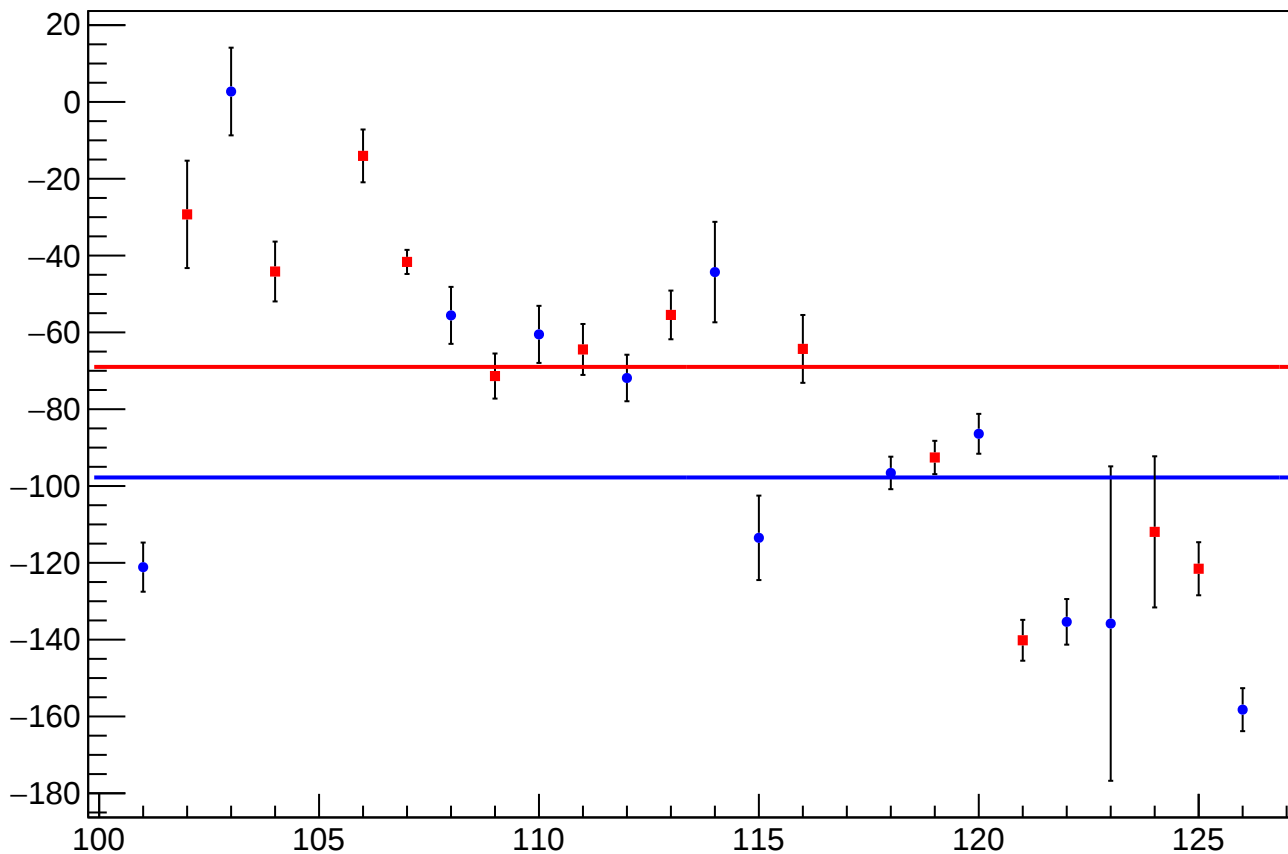
Right: -280.566+/-2.071  $\chi^2/\text{NDF}$ : 3674.4/23

In: -319.746+/-3.193  $\chi^2/\text{NDF}$ :687.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -280.566+/-2.071  $\chi^2/\text{NDF}$ : 3674.4/23

reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -97.771 $\pm$ 1.948  $\chi^2$ /NDF: 347.8/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -68.986 $\pm$ 1.701  $\chi^2$ /NDF: 434.6/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

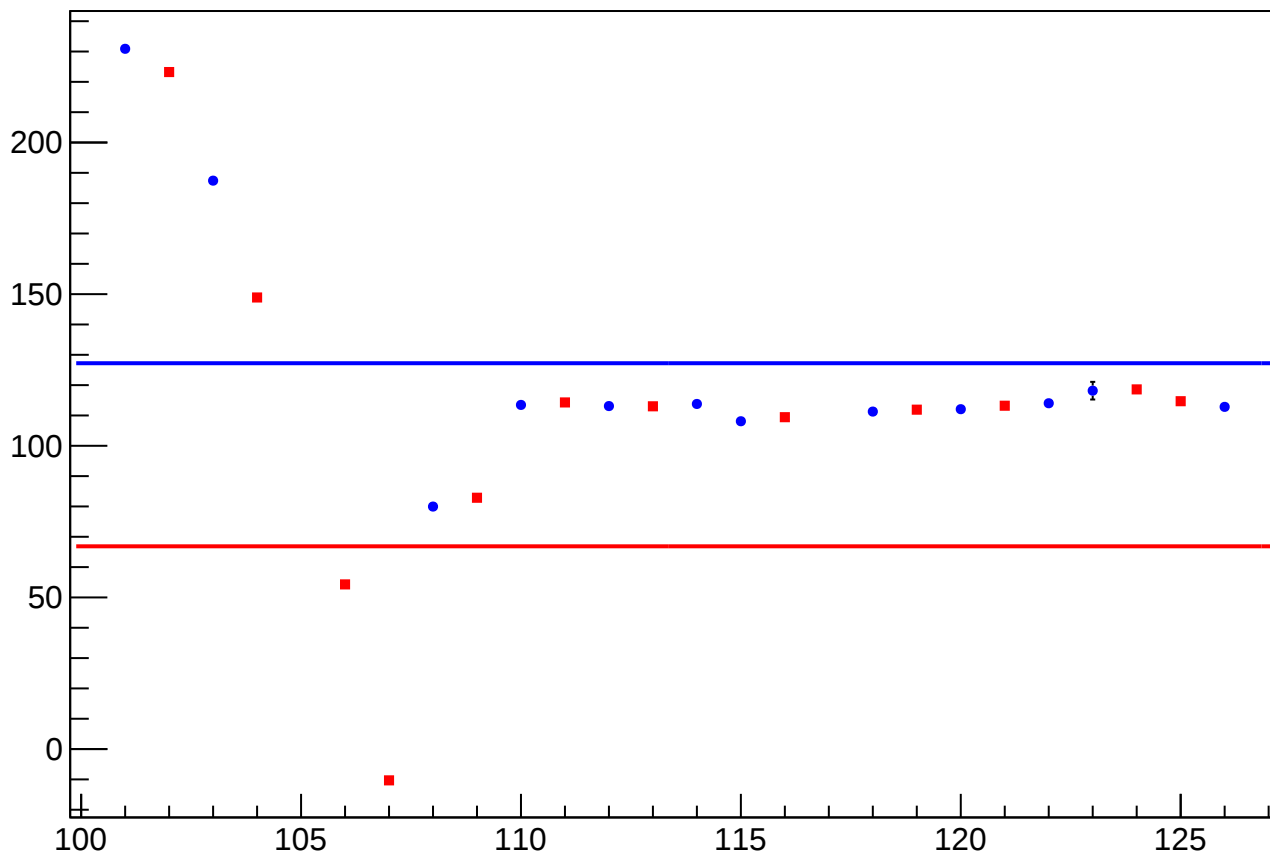
Right: -81.438 $\pm$ 1.281  $\chi^2$ /NDF: 906.4/23

In: -97.771 $\pm$ 1.948  $\chi^2$ /NDF:347.8/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -81.438 $\pm$ 1.281  $\chi^2$ /NDF: 906.4/23

reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 127.225+/-0.115  $\chi^2/\text{NDF}$ : 173234.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 66.857+/-0.088  $\chi^2/\text{NDF}$ : 623713.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

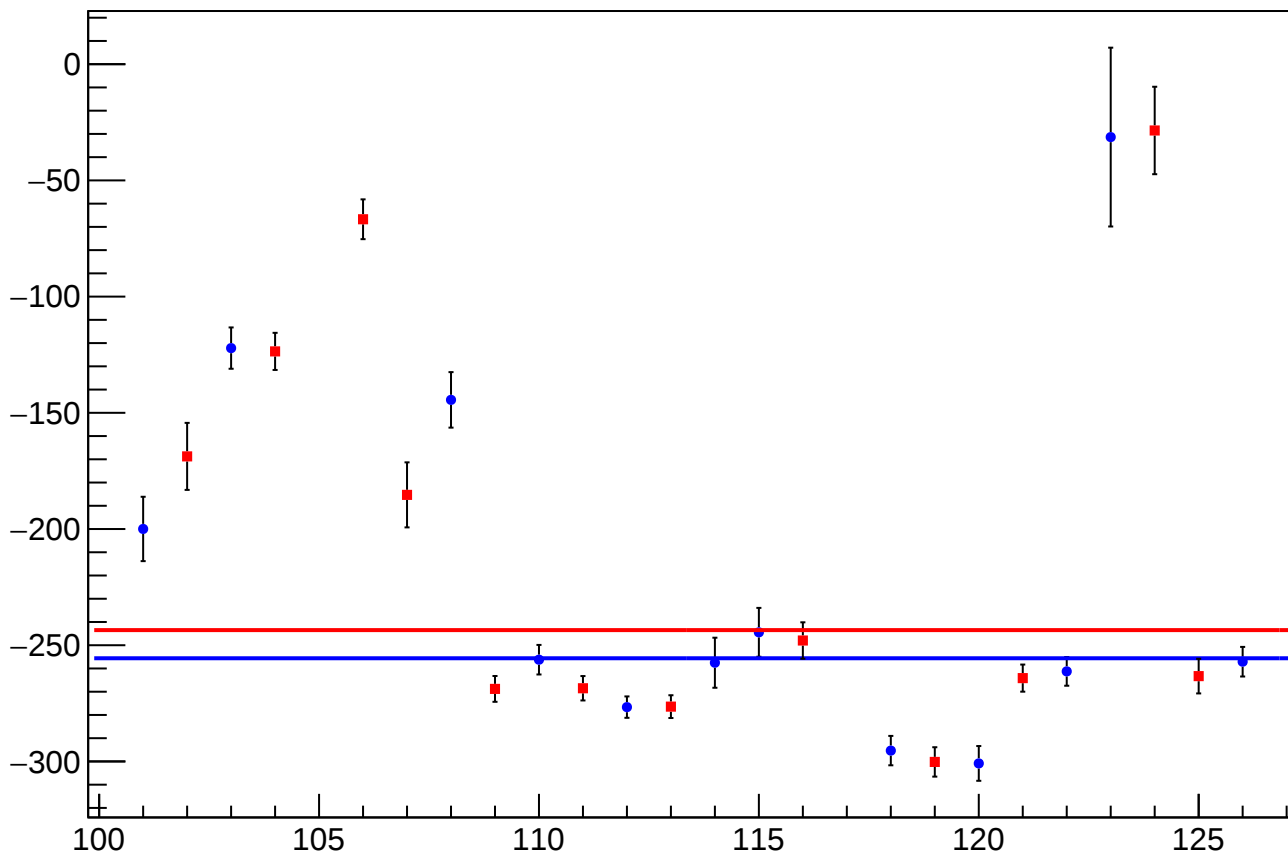
Right: 89.182+/-0.070  $\chi^2/\text{NDF}$ : 972118.2/23

In: 127.225+/-0.115  $\chi^2/\text{NDF}$ : 173234.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 89.182+/-0.070  $\chi^2/\text{NDF}$ : 972118.2/23

reg\_asym\_atr1l2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-255.607 \pm 2.188$   $\chi^2/\text{NDF}$ : 461.1/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-243.492 \pm 2.036$   $\chi^2/\text{NDF}$ : 1015.6/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

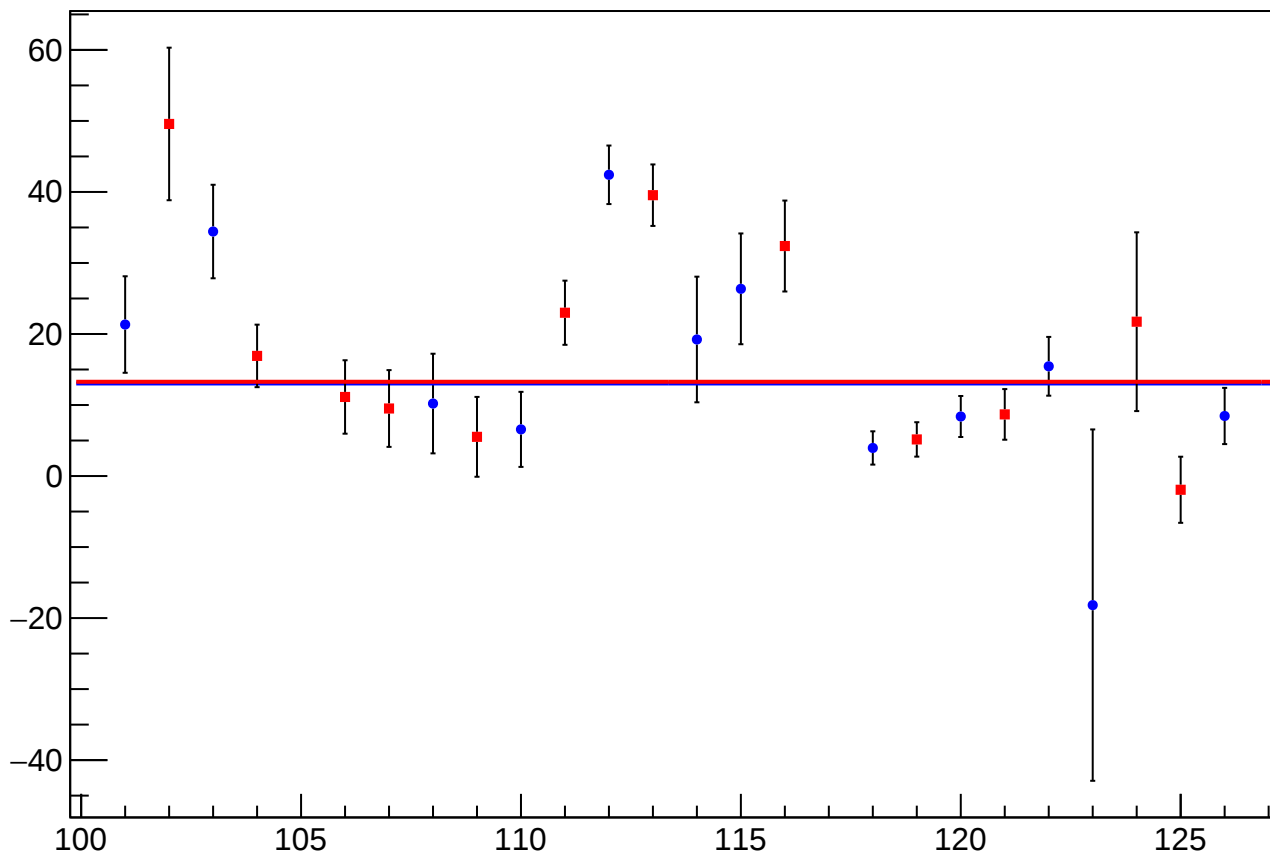
Right:  $-249.115 \pm 1.491$   $\chi^2/\text{NDF}$ : 1493.1/23

In:  $-255.607 \pm 2.188$   $\chi^2/\text{NDF}$ : 461.1/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-249.115 \pm 1.491$   $\chi^2/\text{NDF}$ : 1493.1/23

reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 13.034 $\pm$ 1.275  $\chi^2$ /NDF: 88.8/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.274 $\pm$ 1.300  $\chi^2$ /NDF: 89.1/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

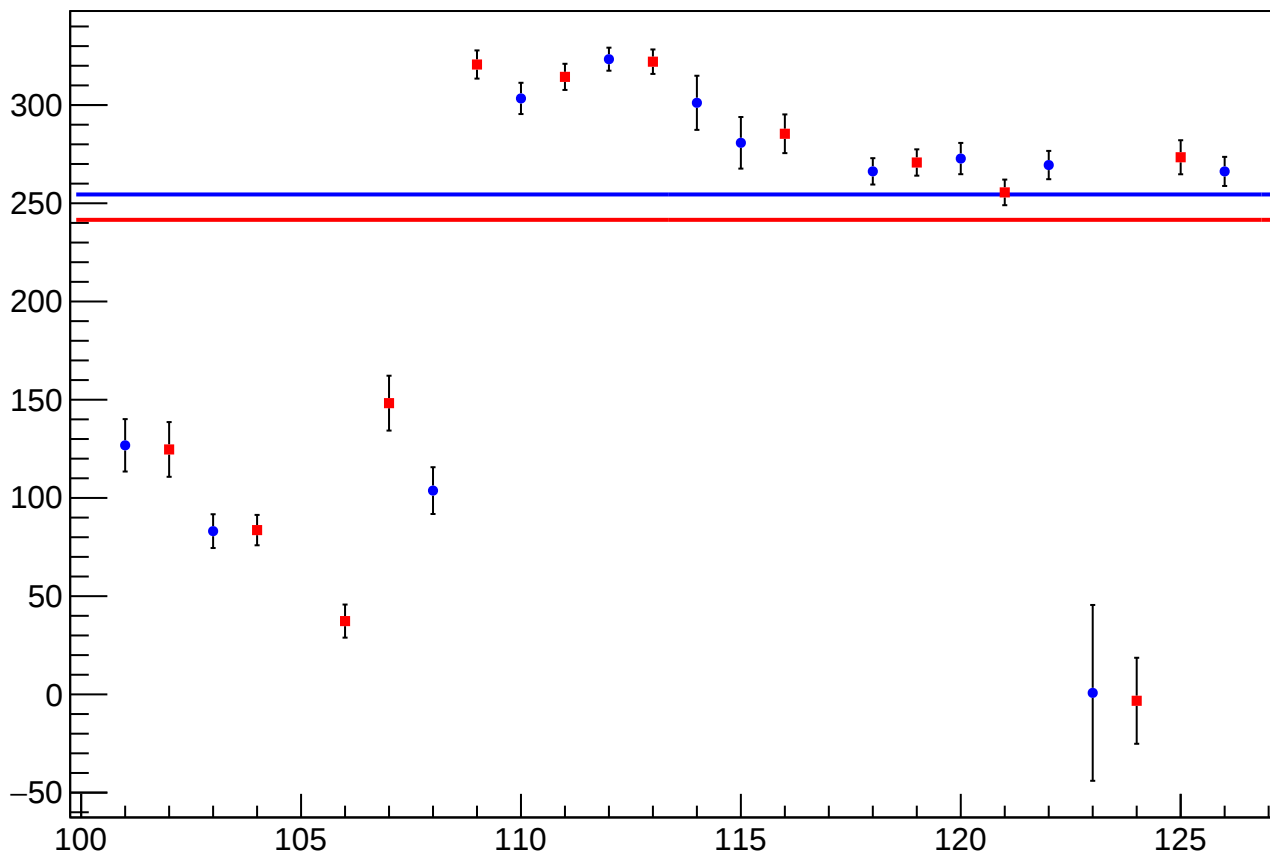
Right: 13.152 $\pm$ 0.910  $\chi^2$ /NDF: 177.9/23

In: 13.034 $\pm$ 1.275  $\chi^2$ /NDF: 88.8/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 13.152 $\pm$ 0.910  $\chi^2$ /NDF: 177.9/23

reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 254.486+/-2.515  $\chi^2/\text{NDF}$ : 887.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 241.568+/-2.354  $\chi^2/\text{NDF}$ : 1709.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

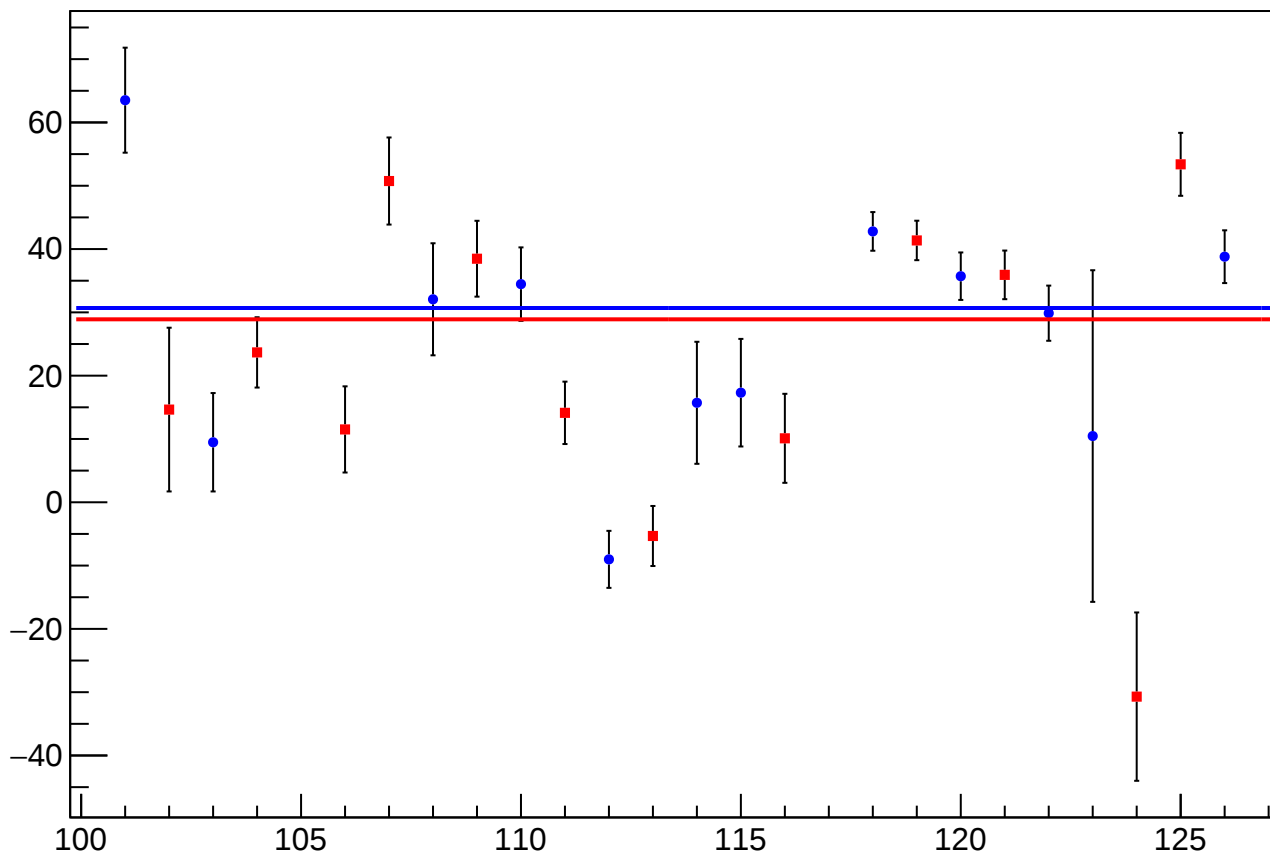
Right: 247.602+/-1.719  $\chi^2/\text{NDF}$ : 2611.6/23

In: 254.486+/-2.515  $\chi^2/\text{NDF}$ : 887.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 247.602+/-1.719  $\chi^2/\text{NDF}$ : 2611.6/23

reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 30.689 $\pm$ 1.512  $\chi^2$ /NDF: 128.1/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 28.900 $\pm$ 1.522  $\chi^2$ /NDF: 153.2/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

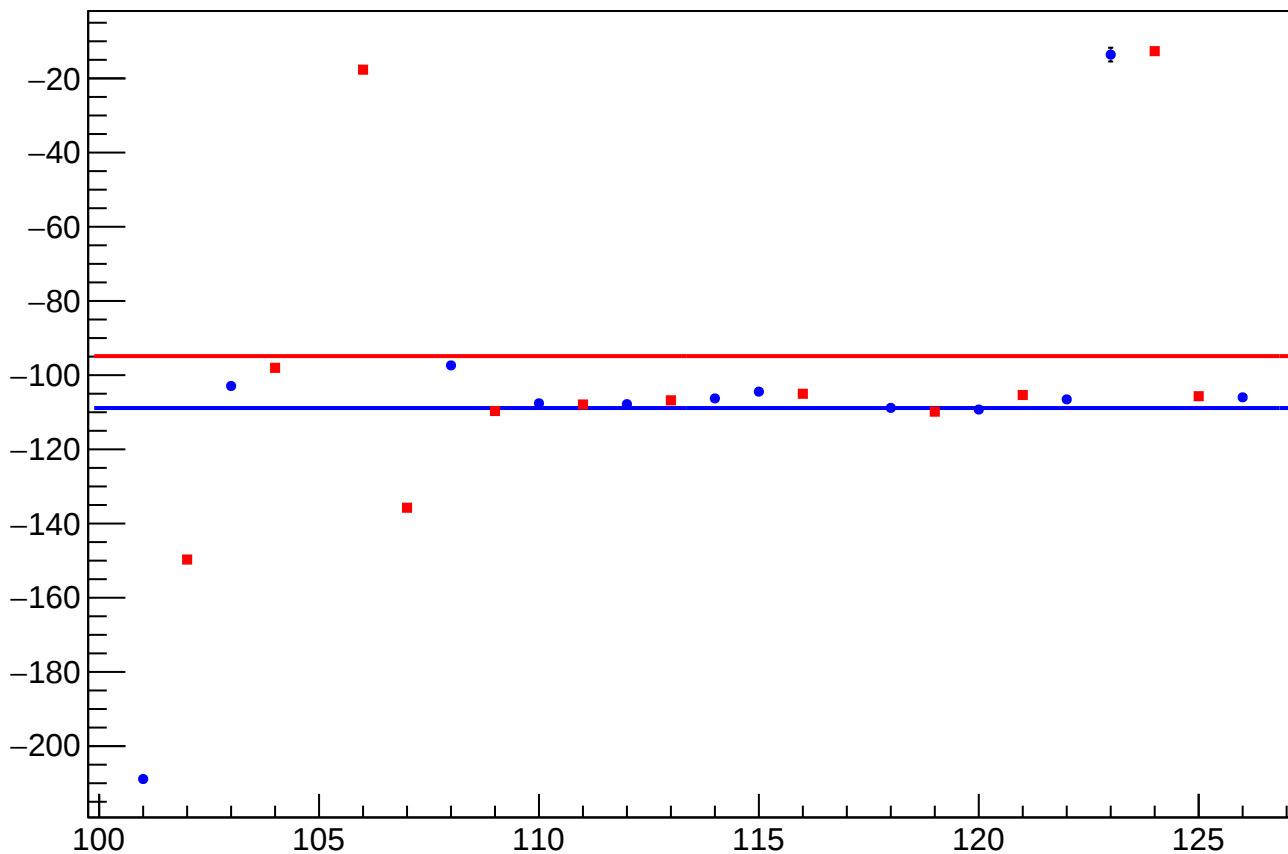
Right: 29.801 $\pm$ 1.073  $\chi^2$ /NDF: 281.9/23

In: 30.689 $\pm$ 1.512  $\chi^2$ /NDF:128.1/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 29.801 $\pm$ 1.073  $\chi^2$ /NDF: 281.9/23

reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -108.863+/-0.094  $\chi^2/\text{NDF}$ : 49008.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -94.860+/-0.085  $\chi^2/\text{NDF}$ : 201819.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

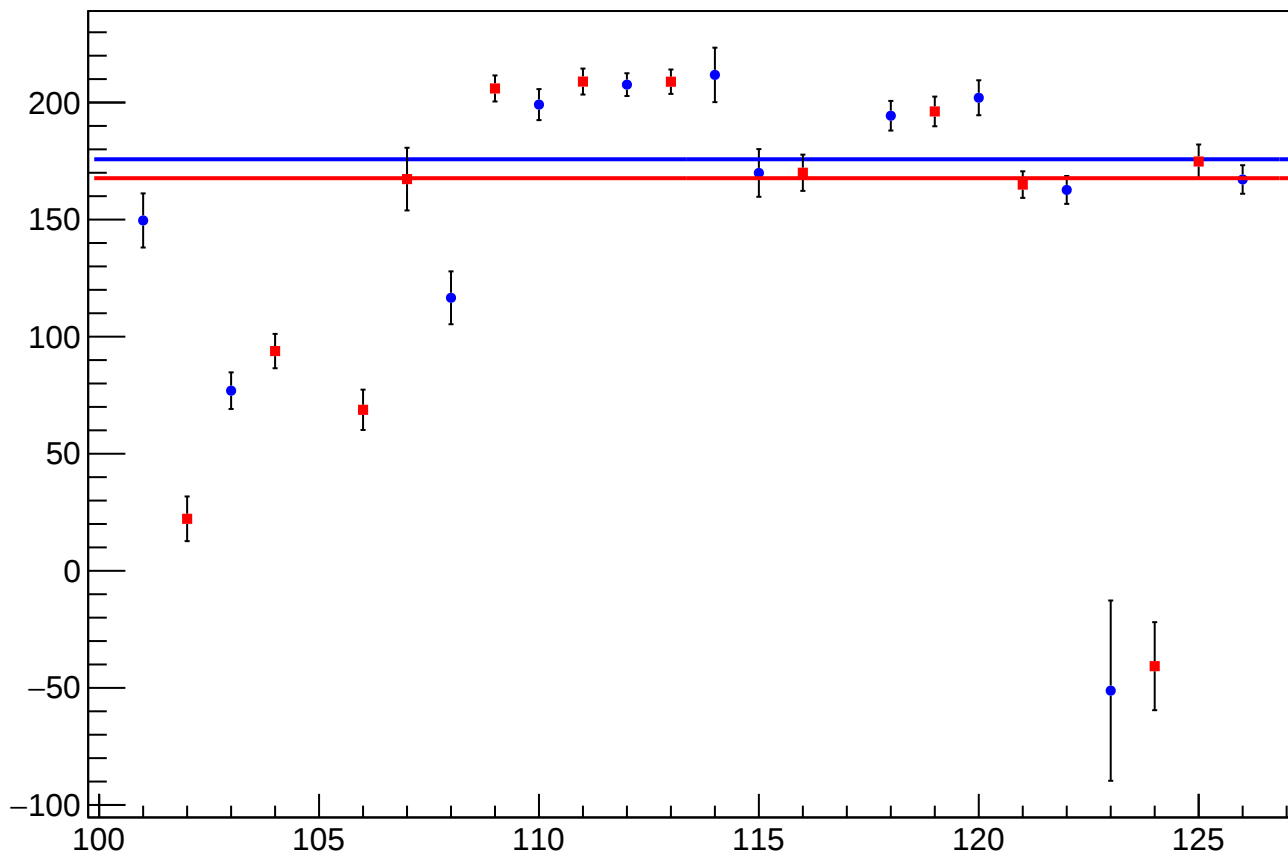
Right: -101.155+/-0.063  $\chi^2/\text{NDF}$ : 263007.7/23

In: -108.863+/-0.094  $\chi^2/\text{NDF}$ : 49008.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -101.155+/-0.063  $\chi^2/\text{NDF}$ : 263007.7/23

reg\_asym\_atr1l2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 175.761 $\pm$ 2.169  $\chi^2$ /NDF: 320.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 167.680 $\pm$ 2.021  $\chi^2$ /NDF: 775.7/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

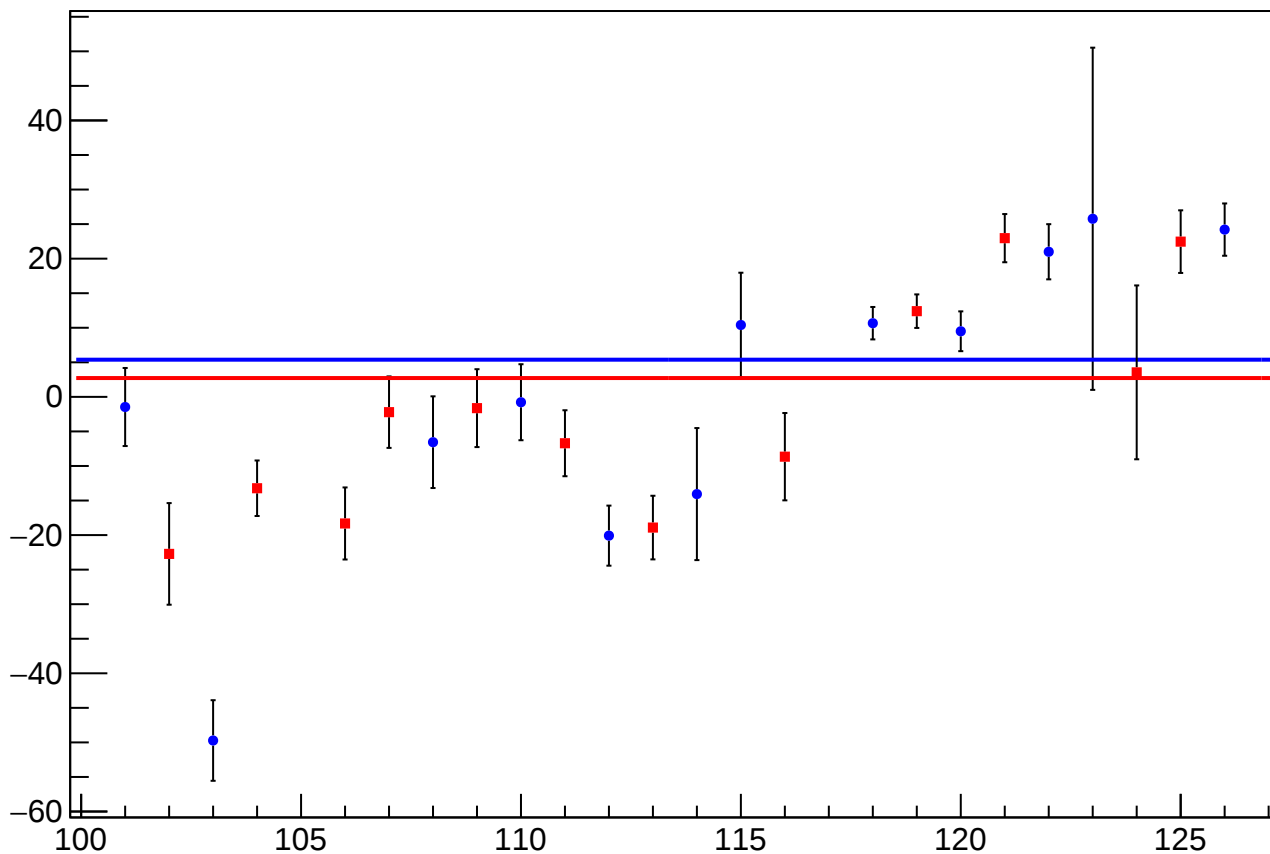
Right: 171.435 $\pm$ 1.479  $\chi^2$ /NDF: 1103.1/23

In: 175.761 $\pm$ 2.169  $\chi^2$ /NDF:320.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 171.435 $\pm$ 1.479  $\chi^2$ /NDF: 1103.1/23

reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.380 $\pm$ 1.256  $\chi^2$ /NDF: 182.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.723 $\pm$ 1.281  $\chi^2$ /NDF: 143.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

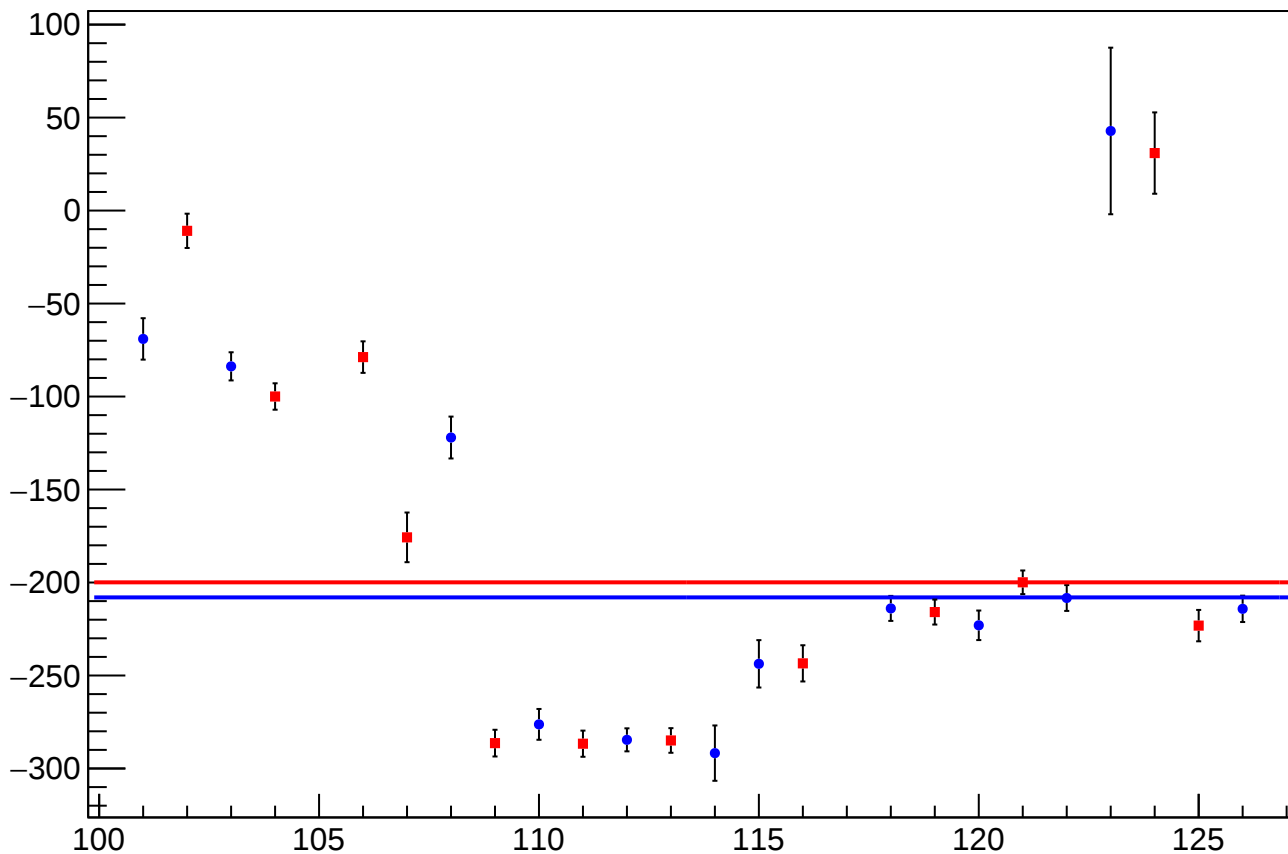
Right: 4.078 $\pm$ 0.897  $\chi^2$ /NDF: 327.6/23

In: 5.380 $\pm$ 1.256  $\chi^2$ /NDF: 182.0/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.078 $\pm$ 0.897  $\chi^2$ /NDF: 327.6/23

reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -207.998+/-2.470  $\chi^2/\text{NDF}$ : 780.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -199.907+/-2.311  $\chi^2/\text{NDF}$ : 1432.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

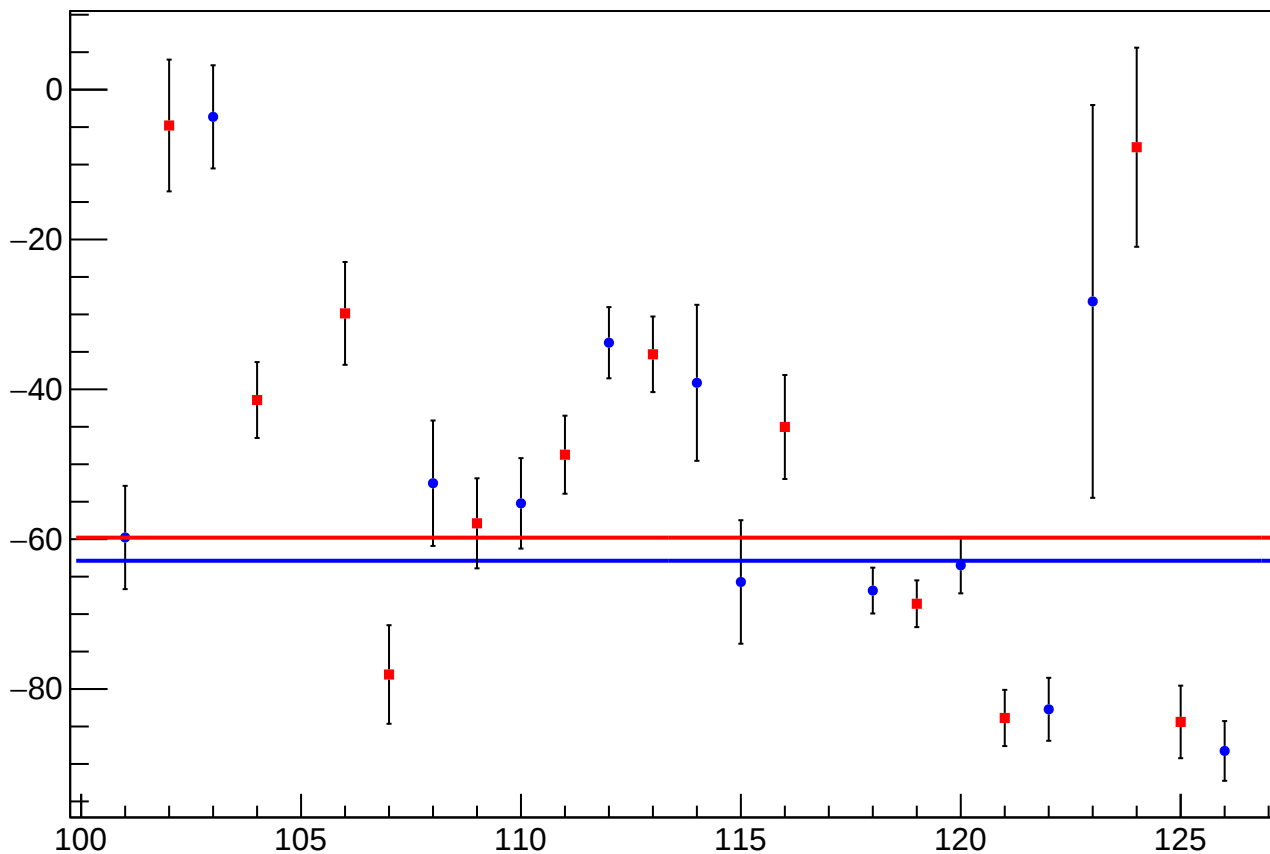
Right: -203.684+/-1.688  $\chi^2/\text{NDF}$ : 2218.9/23

In: -207.998+/-2.470  $\chi^2/\text{NDF}$ : 780.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -203.684+/-1.688  $\chi^2/\text{NDF}$ : 2218.9/23

reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-62.878 \pm 1.488$   $\chi^2/\text{NDF}$ : 186.5/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-59.794 \pm 1.503$   $\chi^2/\text{NDF}$ : 202.1/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

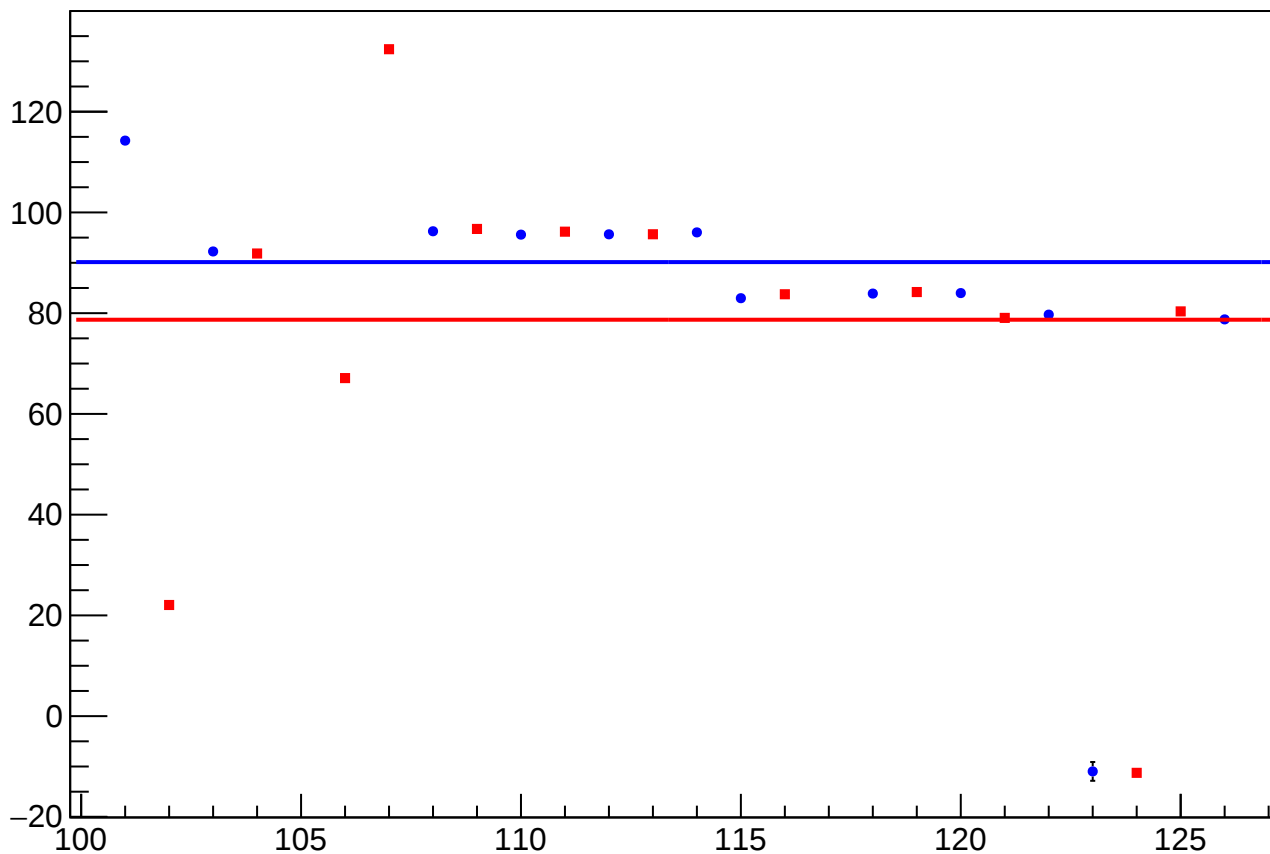
Right:  $-61.351 \pm 1.057$   $\chi^2/\text{NDF}$ : 390.7/23

In:  $-62.878 \pm 1.488$   $\chi^2/\text{NDF}$ : 186.5/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-61.351 \pm 1.057$   $\chi^2/\text{NDF}$ : 390.7/23

reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 90.140+/-0.090  $\chi^2/\text{NDF}$ : 11562.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 78.699+/-0.080  $\chi^2/\text{NDF}$ : 128957.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

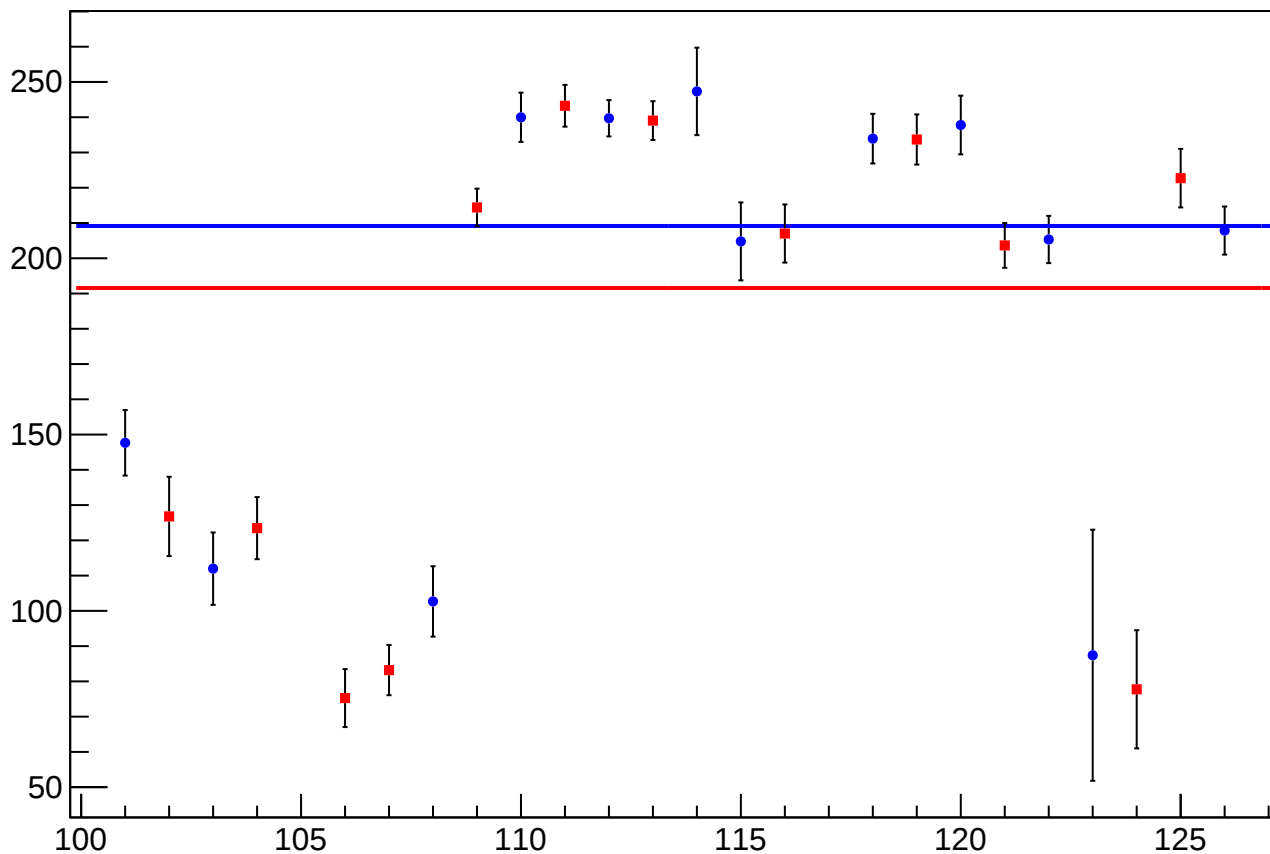
Right: 83.782+/-0.060  $\chi^2/\text{NDF}$ : 149526.9/23

In: 90.140+/-0.090  $\chi^2/\text{NDF}$ : 11562.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 83.782+/-0.060  $\chi^2/\text{NDF}$ : 149526.9/23

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 209.155+/-2.336  $\chi^2/\text{NDF}$ : 347.9/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 191.572+/-2.087  $\chi^2/\text{NDF}$ : 796.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

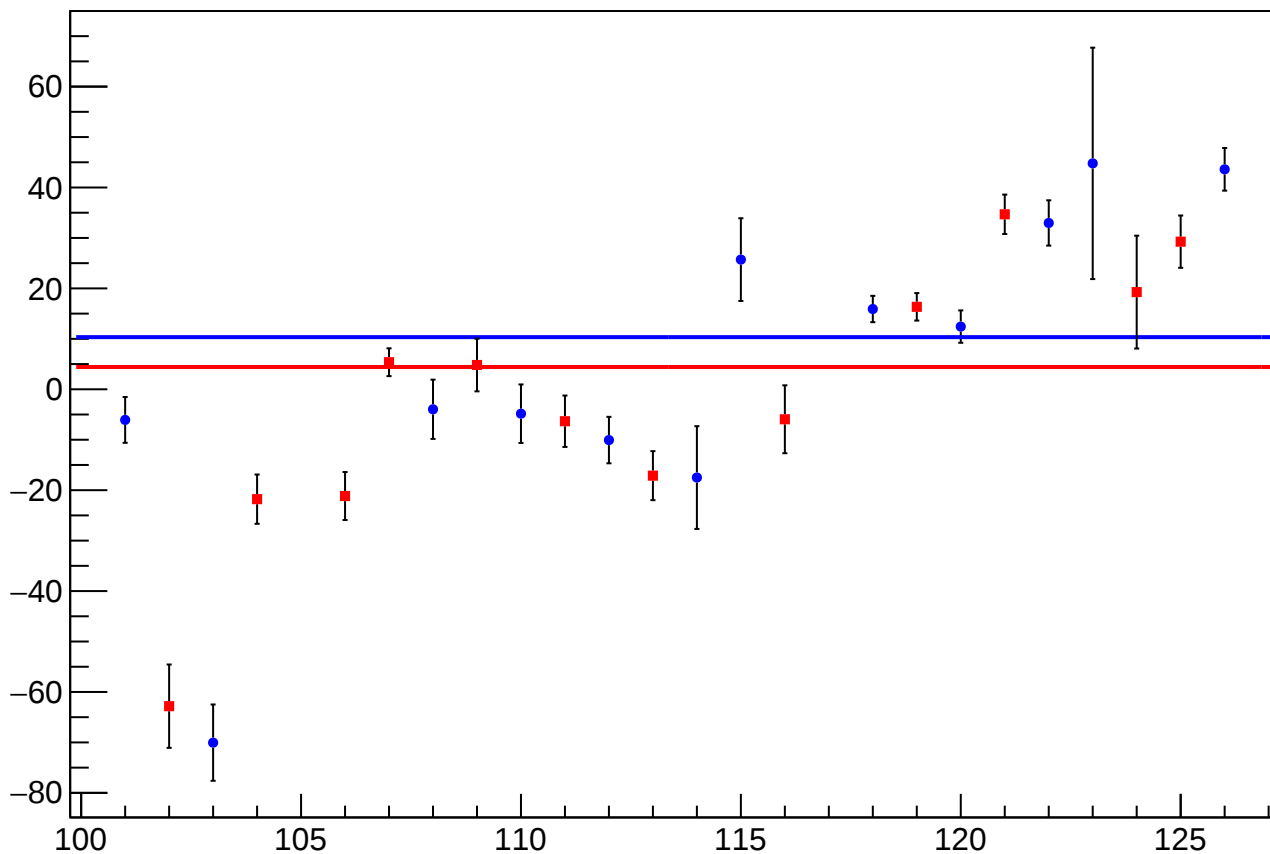
Right: 199.378+/-1.556  $\chi^2/\text{NDF}$ : 1176.1/23

In: 209.155+/-2.336  $\chi^2/\text{NDF}$ : 347.9/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 199.378+/-1.556  $\chi^2/\text{NDF}$ : 1176.1/23

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.337+/-1.351  $\chi^2/\text{NDF}$ : 264.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.422+/-1.273  $\chi^2/\text{NDF}$ : 254.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

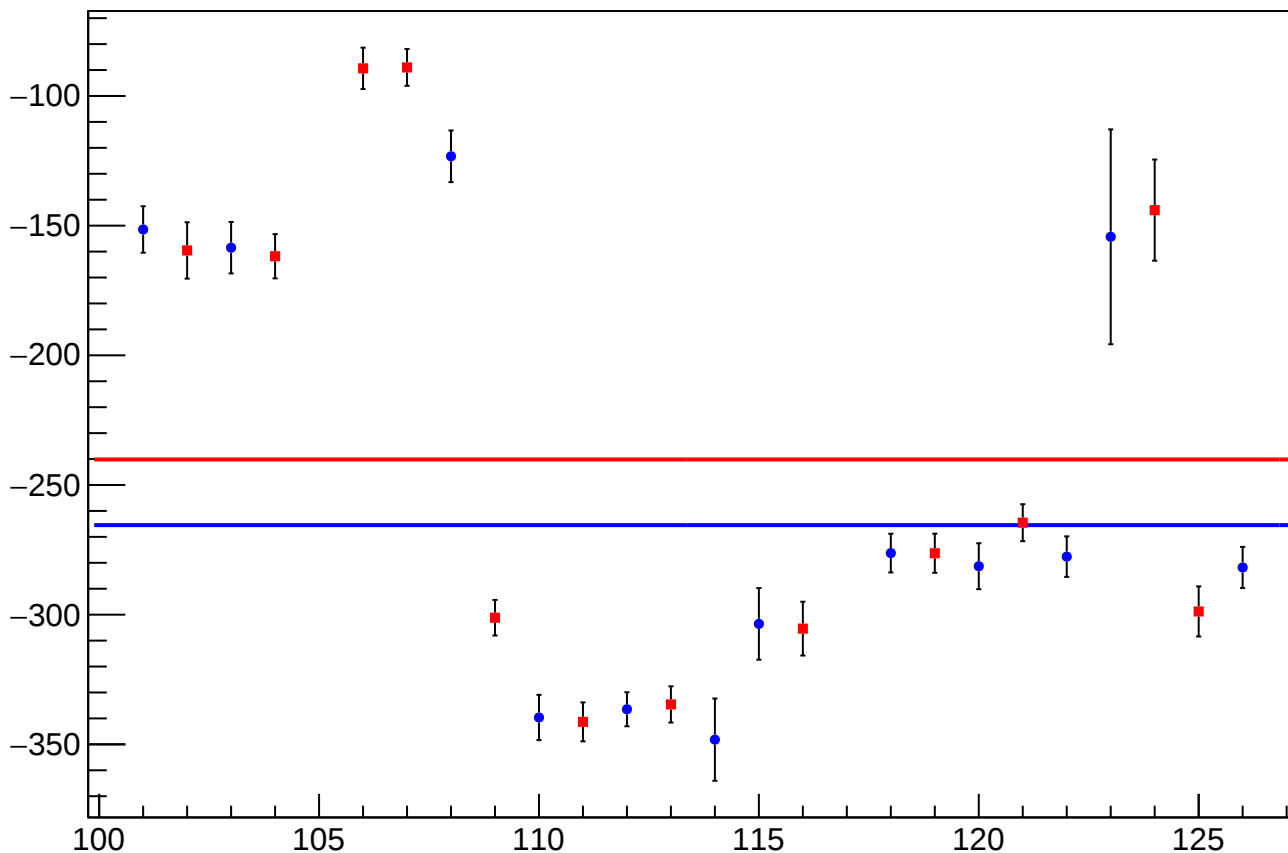
Right: 7.203+/-0.926  $\chi^2/\text{NDF}$ : 528.6/23

In: 10.337+/-1.351  $\chi^2/\text{NDF}$ : 264.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.203+/-0.926  $\chi^2/\text{NDF}$ : 528.6/23

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -265.475+/-2.655  $\chi^2/\text{NDF}$ : 725.6/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -240.156+/-2.375  $\chi^2/\text{NDF}$ : 1529.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

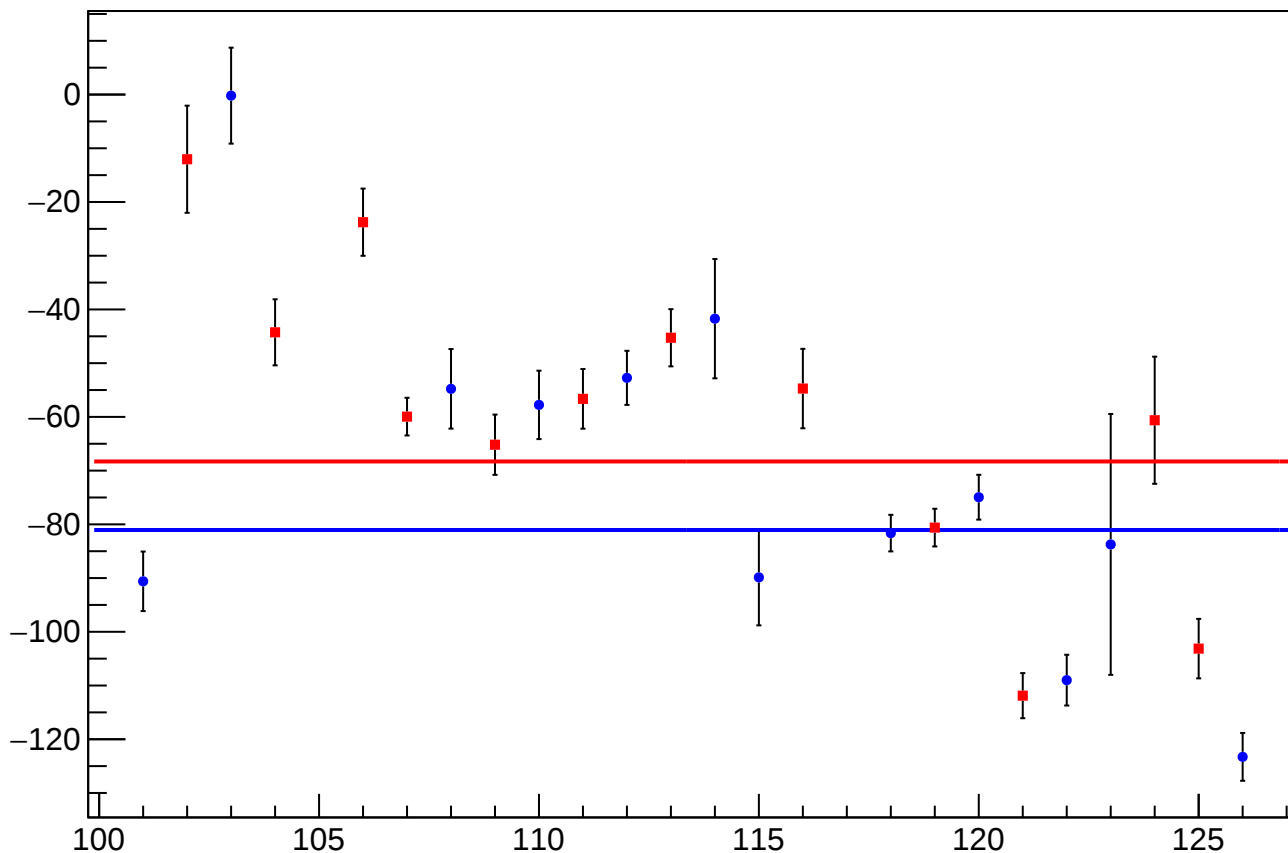
Right: -251.411+/-1.770  $\chi^2/\text{NDF}$ : 2305.1/23

In: -265.475+/-2.655  $\chi^2/\text{NDF}$ : 725.6/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -251.411+/-1.770  $\chi^2/\text{NDF}$ : 2305.1/23

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -81.054+/-1.604  $\chi^2/\text{NDF}$ : 283.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -68.294+/-1.509  $\chi^2/\text{NDF}$ : 290.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

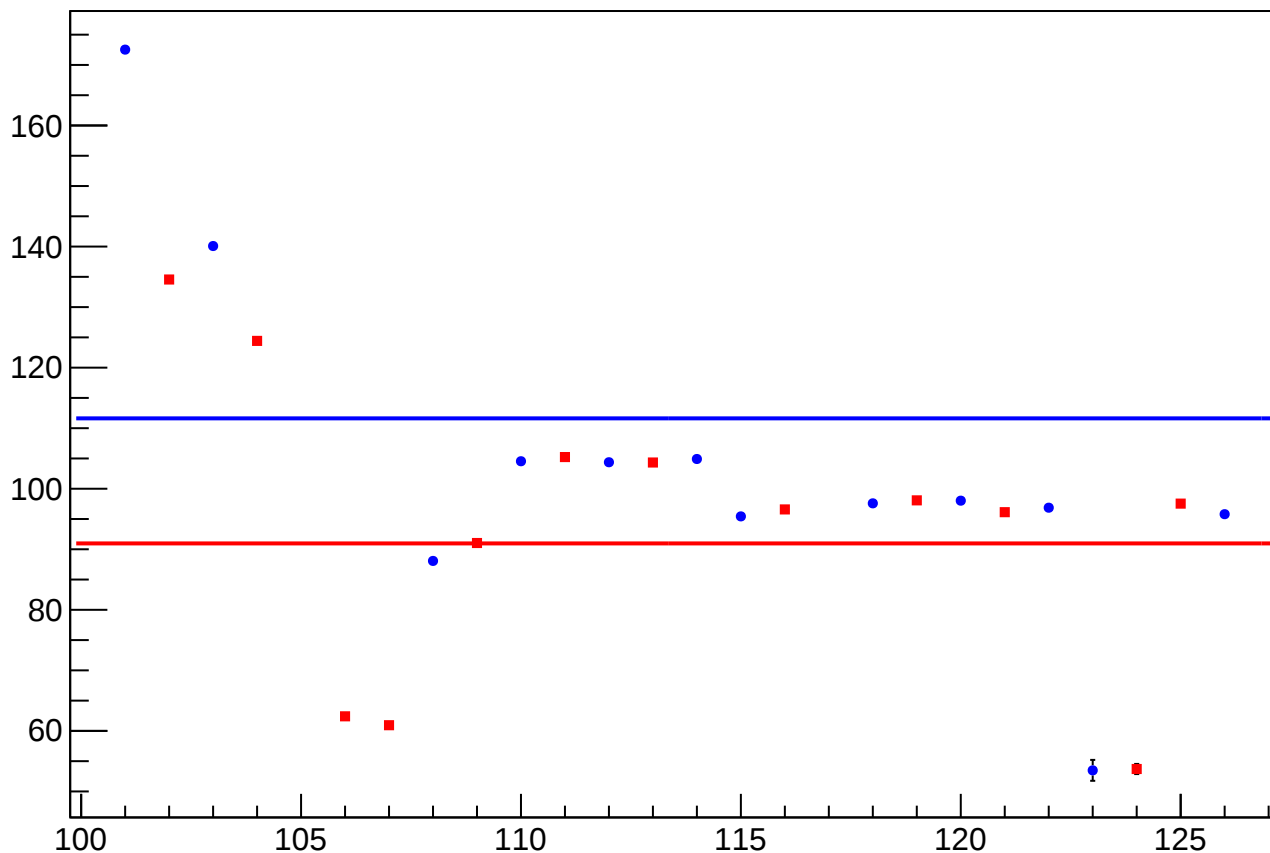
Right: -74.288+/-1.099  $\chi^2/\text{NDF}$ : 607.0/23

In: -81.054+/-1.604  $\chi^2/\text{NDF}$ : 283.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -74.288+/-1.099  $\chi^2/\text{NDF}$ : 607.0/23

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 111.624+/-0.097  $\chi^2/\text{NDF}$ : 73188.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 90.968+/-0.080  $\chi^2/\text{NDF}$ : 111534.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

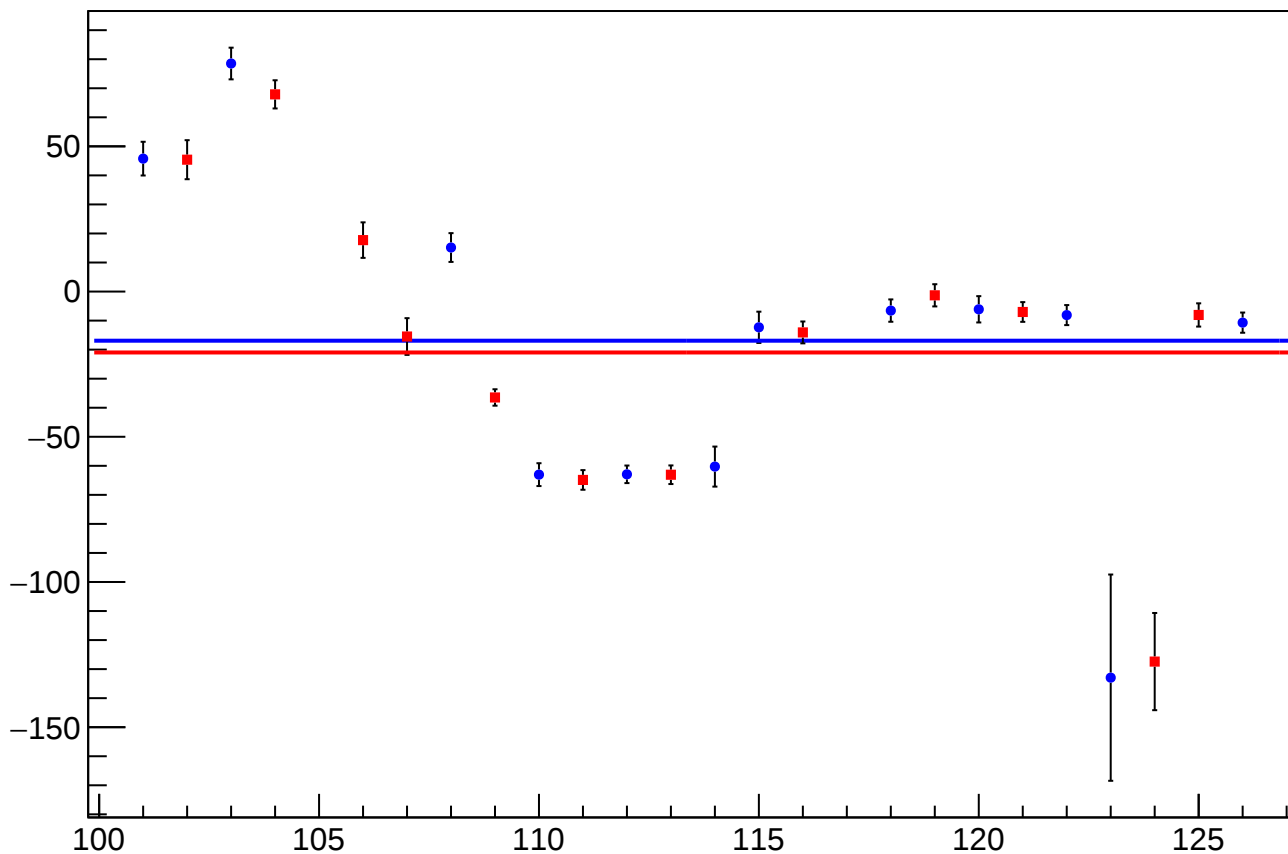
Right: 99.268+/-0.062  $\chi^2/\text{NDF}$ : 211685.5/23

In: 111.624+/-0.097  $\chi^2/\text{NDF}$ : 73188.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 99.268+/-0.062  $\chi^2/\text{NDF}$ : 211685.5/23

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -16.921+/-1.273  $\chi^2/\text{NDF}$ : 907.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -20.974+/-1.180  $\chi^2/\text{NDF}$ : 942.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

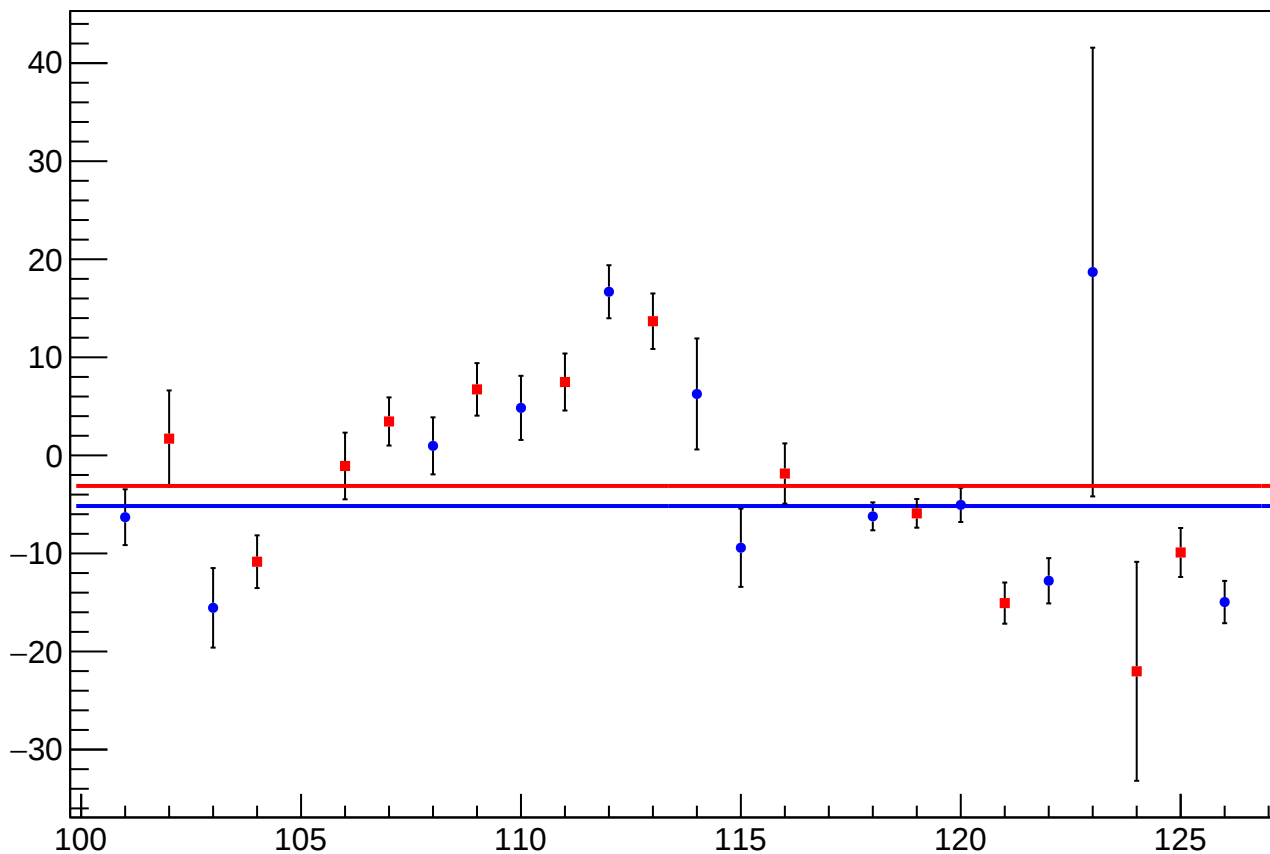
Right: -19.100+/-0.865  $\chi^2/\text{NDF}$ : 1855.4/23

In: -16.921+/-1.273  $\chi^2/\text{NDF}$ : 907.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -19.100+/-0.865  $\chi^2/\text{NDF}$ : 1855.4/23

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-5.166 \pm 0.735$   $\chi^2/\text{NDF}: 124.2/11$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-3.116 \pm 0.749$   $\chi^2/\text{NDF}: 125.2/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

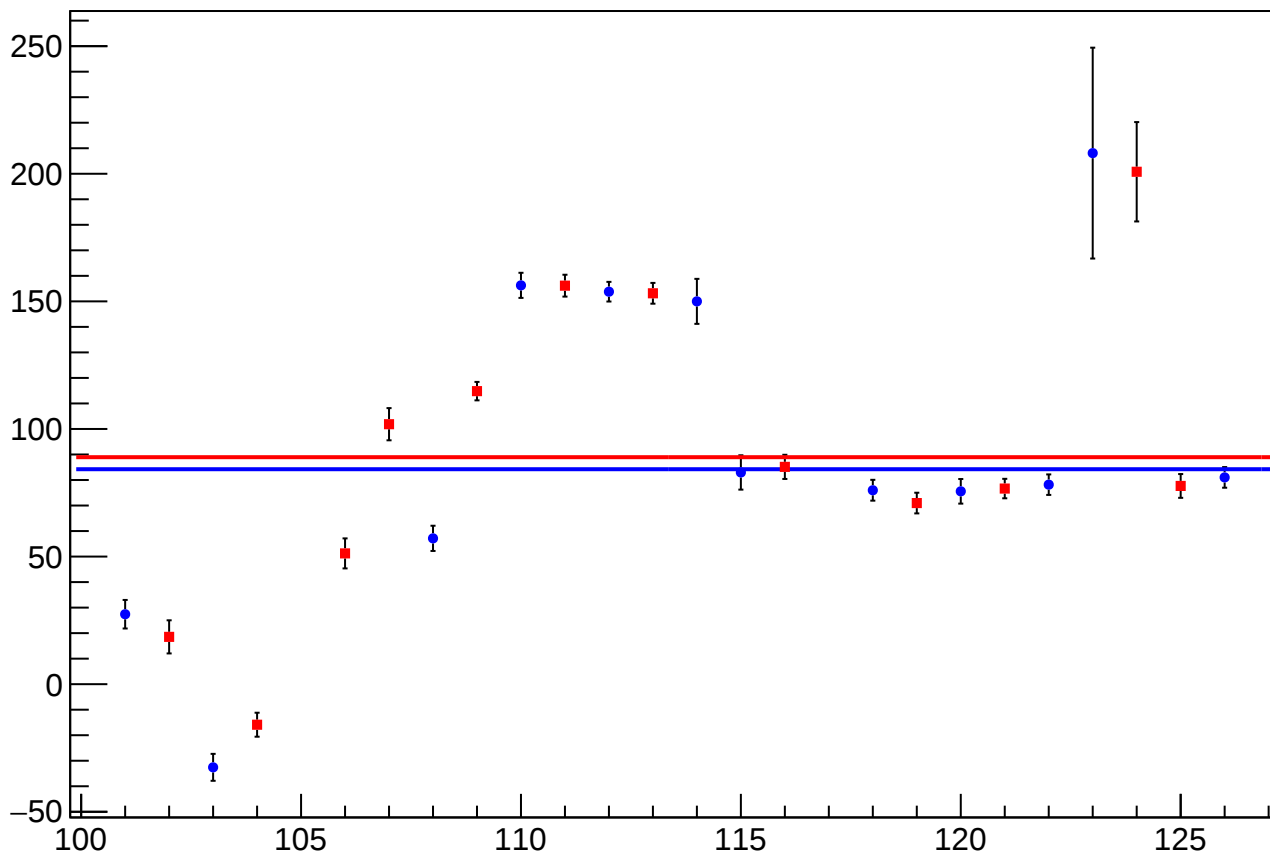
Right:  $-4.161 \pm 0.524$   $\chi^2/\text{NDF}: 253.2/23$

In:  $-5.166 \pm 0.735$   $\chi^2/\text{NDF}: 124.2/11$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-4.161 \pm 0.524$   $\chi^2/\text{NDF}: 253.2/23$

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 84.229+/-1.444  $\chi^2/\text{NDF}$ : 1239.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 88.943+/-1.364  $\chi^2/\text{NDF}$ : 1276.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

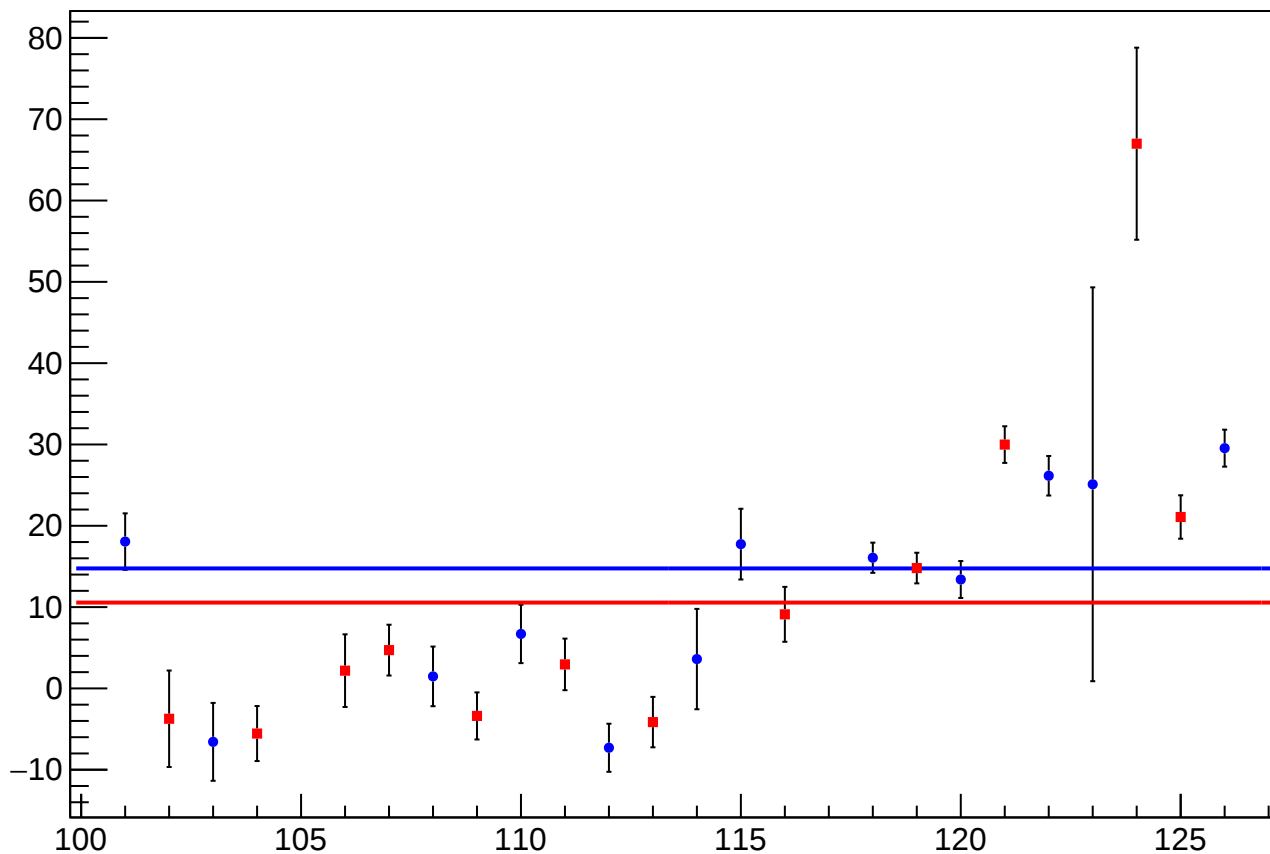
Right: 86.721+/-0.992  $\chi^2/\text{NDF}$ : 2521.2/23

In: 84.229+/-1.444  $\chi^2/\text{NDF}$ : 1239.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 86.721+/-0.992  $\chi^2/\text{NDF}$ : 2521.2/23

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 14.756+/-0.870  $\chi^2/\text{NDF}$ : 163.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.557+/-0.875  $\chi^2/\text{NDF}$ : 204.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

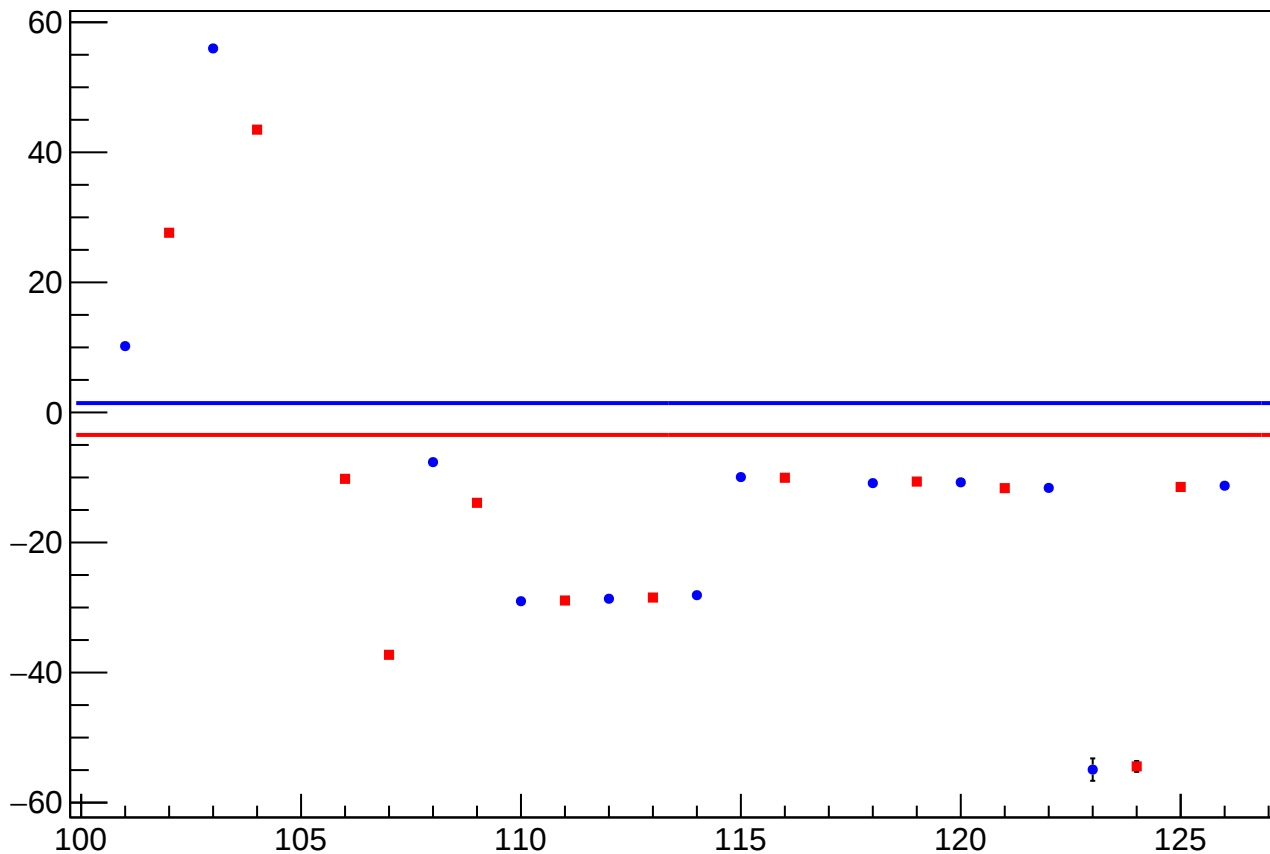
Right: 12.670+/-0.617  $\chi^2/\text{NDF}$ : 380.1/23

In: 14.756+/-0.870  $\chi^2/\text{NDF}$ : 163.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 12.670+/-0.617  $\chi^2/\text{NDF}$ : 380.1/23

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 1.436+/-0.052  $\chi^2/\text{NDF}$ : 292817.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.459+/-0.049  $\chi^2/\text{NDF}$ : 301767.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

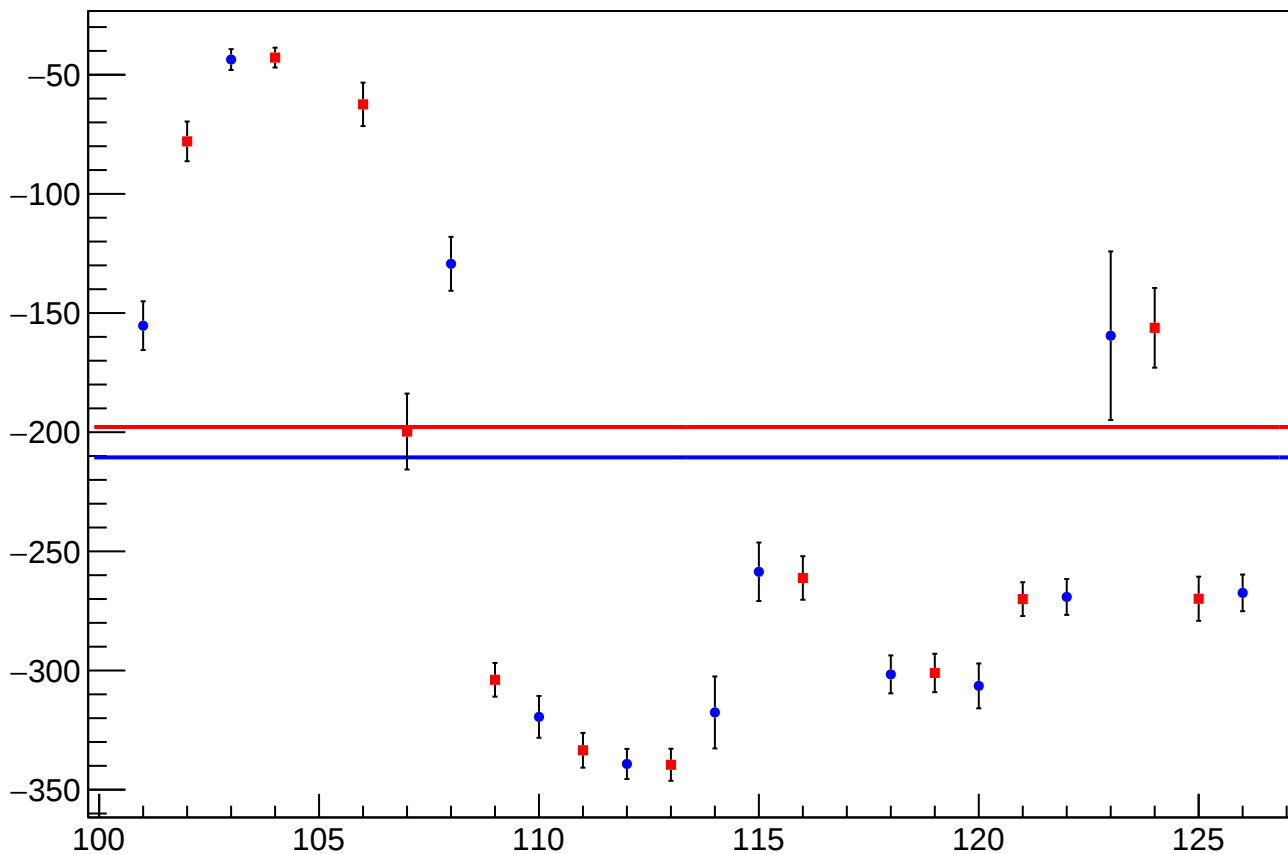
Right: -1.150+/-0.036  $\chi^2/\text{NDF}$ : 599245.7/23

In: 1.436+/-0.052  $\chi^2/\text{NDF}$ : 292817.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.150+/-0.036  $\chi^2/\text{NDF}$ : 599245.7/23

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-210.567 \pm 2.349$   $\chi^2/\text{NDF}: 2525.4/11$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-197.810 \pm 2.175$   $\chi^2/\text{NDF}: 3209.4/11$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

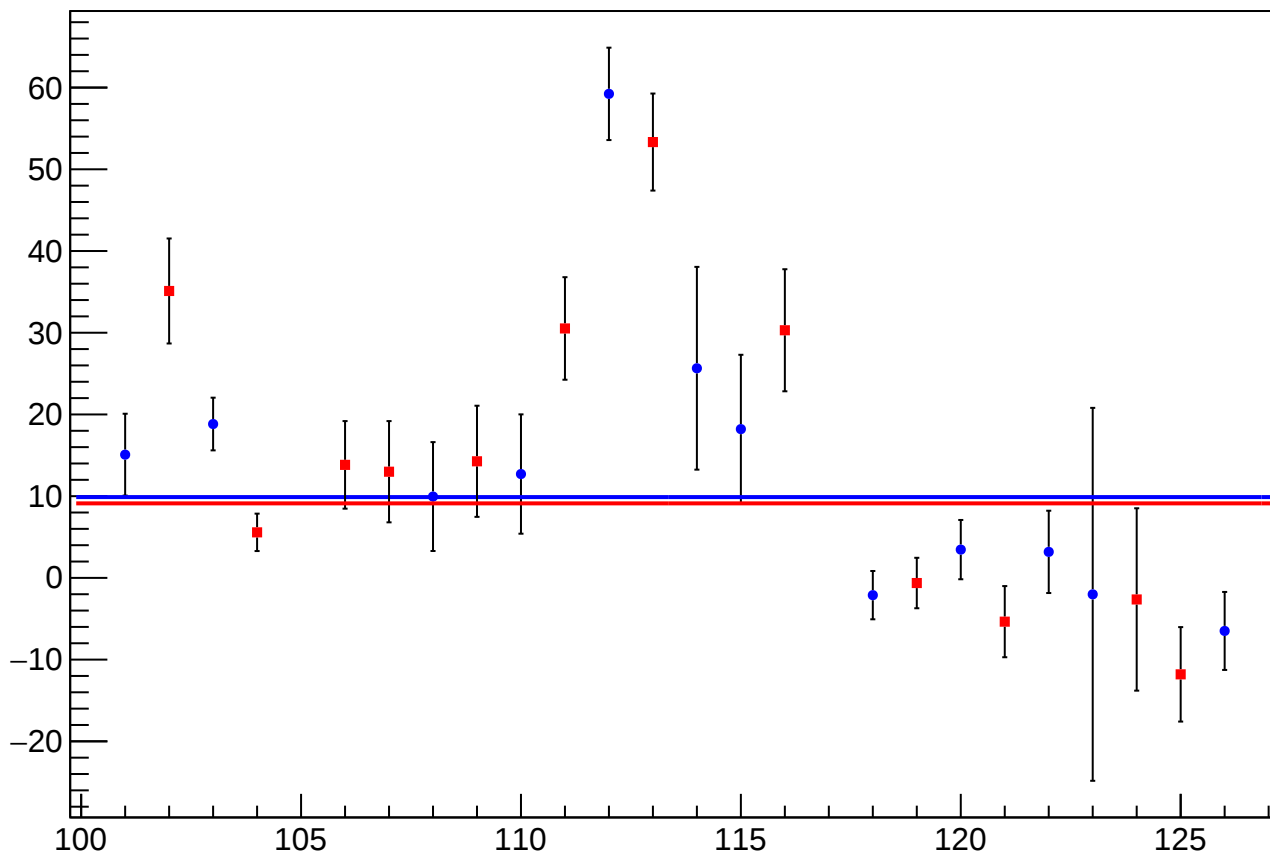
Right:  $-203.699 \pm 1.596$   $\chi^2/\text{NDF}: 5750.7/23$

In:  $-210.567 \pm 2.349$   $\chi^2/\text{NDF}: 2525.4/11$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-203.699 \pm 1.596$   $\chi^2/\text{NDF}: 5750.7/23$

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.888+/-1.410  $\chi^2/\text{NDF}$ : 121.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.118+/-1.330  $\chi^2/\text{NDF}$ : 130.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

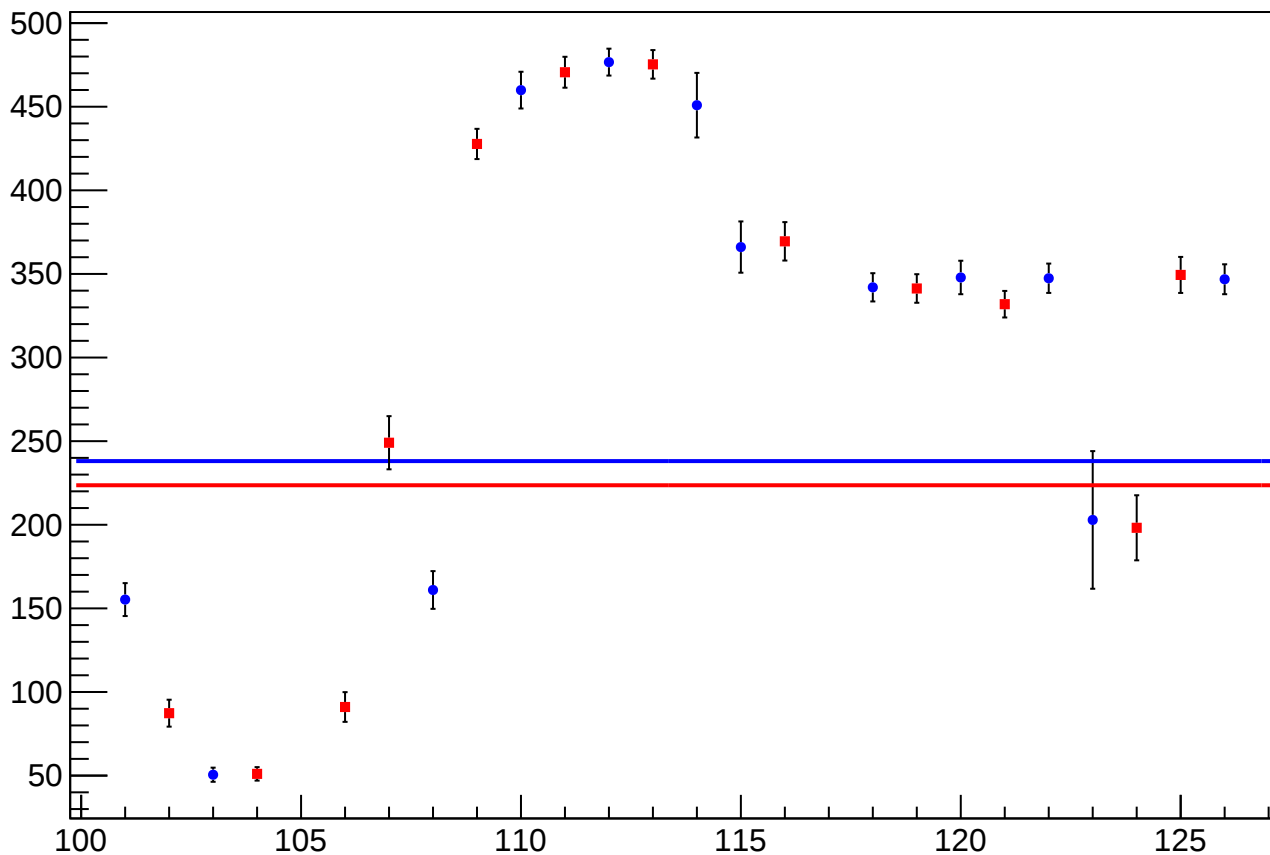
Right: 9.481+/-0.968  $\chi^2/\text{NDF}$ : 252.0/23

In: 9.888+/-1.410  $\chi^2/\text{NDF}$ : 121.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.481+/-0.968  $\chi^2/\text{NDF}$ : 252.0/23

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 238.079+/-2.541  $\chi^2/\text{NDF}$ : 4140.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 223.630+/-2.360  $\chi^2/\text{NDF}$ : 5108.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

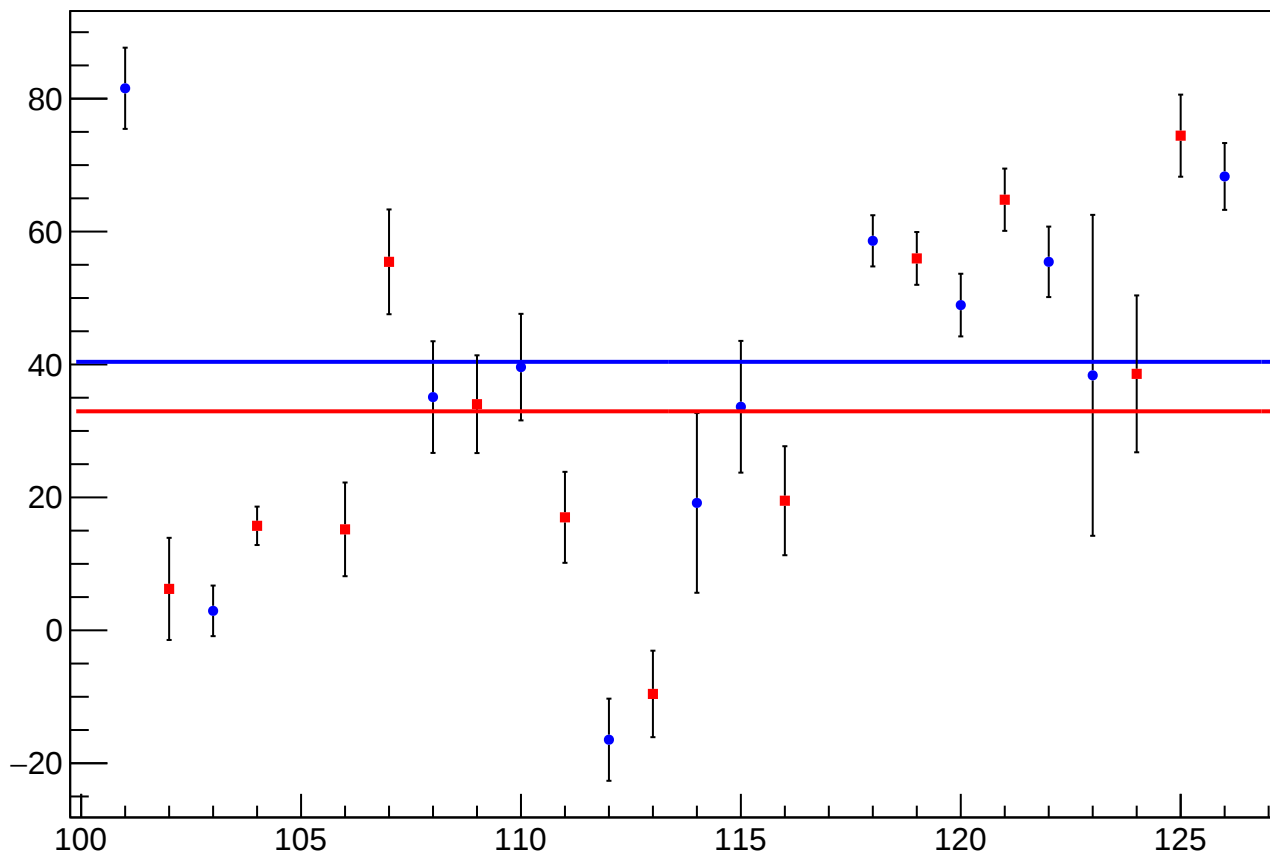
Right: 230.323+/-1.729  $\chi^2/\text{NDF}$ : 9265.5/23

In: 238.079+/-2.541  $\chi^2/\text{NDF}$ : 4140.0/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 230.323+/-1.729  $\chi^2/\text{NDF}$ : 9265.5/23

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 40.399+/-1.675  $\chi^2/\text{NDF}$ : 294.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 32.953+/-1.594  $\chi^2/\text{NDF}$ : 238.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

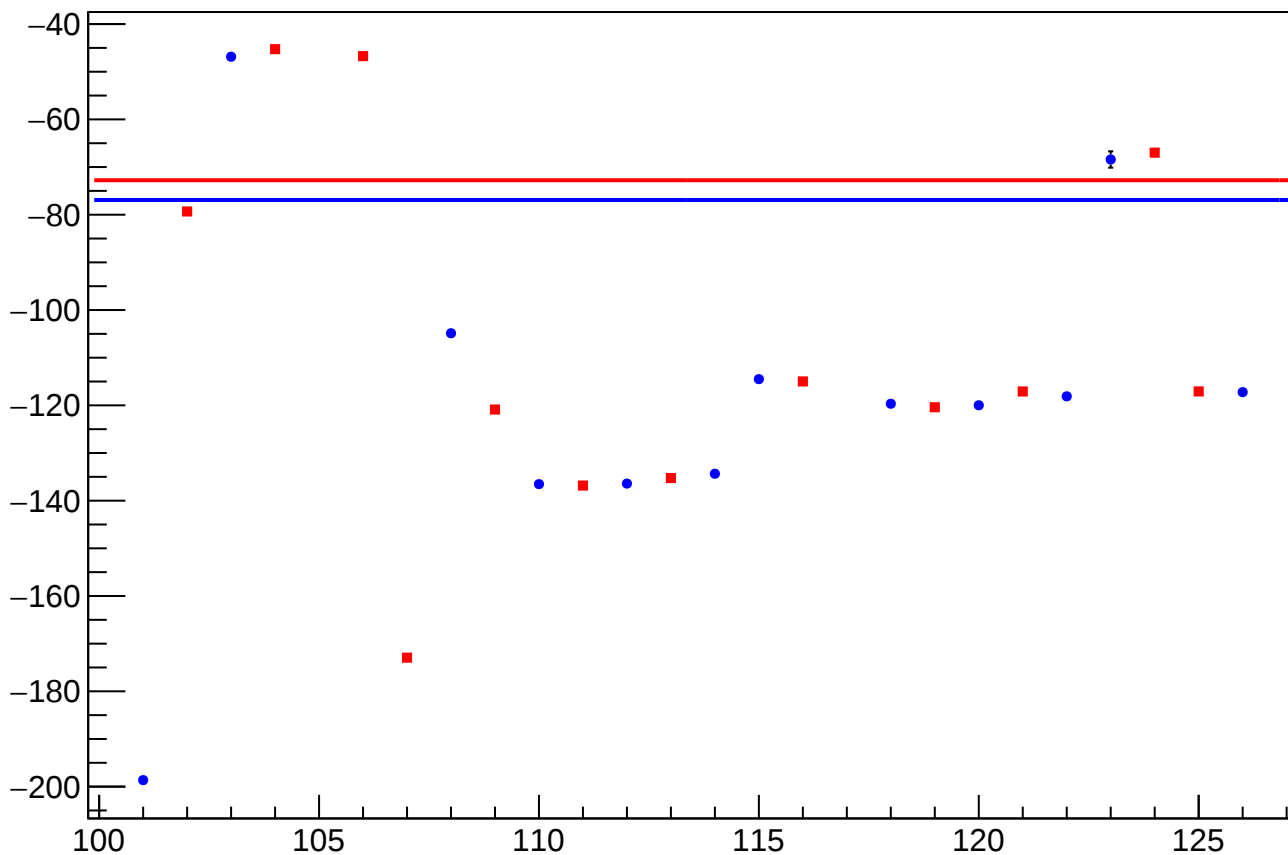
Right: 36.493+/-1.155  $\chi^2/\text{NDF}$ : 543.2/23

In: 40.399+/-1.675  $\chi^2/\text{NDF}$ : 294.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 36.493+/-1.155  $\chi^2/\text{NDF}$ : 543.2/23

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -76.914 $\pm$ 0.075  $\chi^2$ /NDF: 323593.8/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -72.770 $\pm$ 0.071  $\chi^2$ /NDF: 274707.4/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

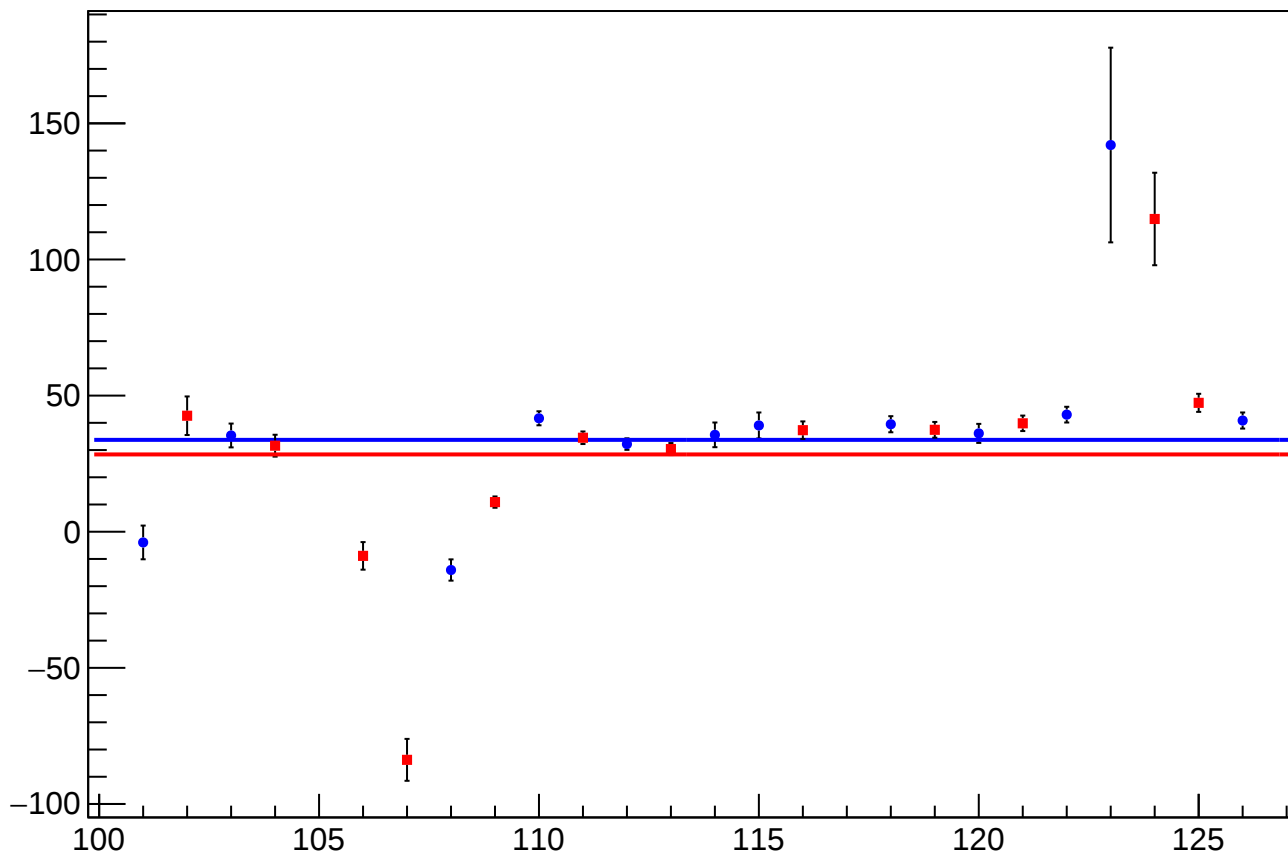
Right: -74.734 $\pm$ 0.052  $\chi^2$ /NDF: 599892.9/23

In: -76.914 $\pm$ 0.075  $\chi^2$ /NDF:323593.8/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -74.734 $\pm$ 0.052  $\chi^2$ /NDF: 599892.9/23

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 33.742 $\pm$ 0.980  $\chi^2$ /NDF: 227.7/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 28.391 $\pm$ 0.913  $\chi^2$ /NDF: 442.5/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

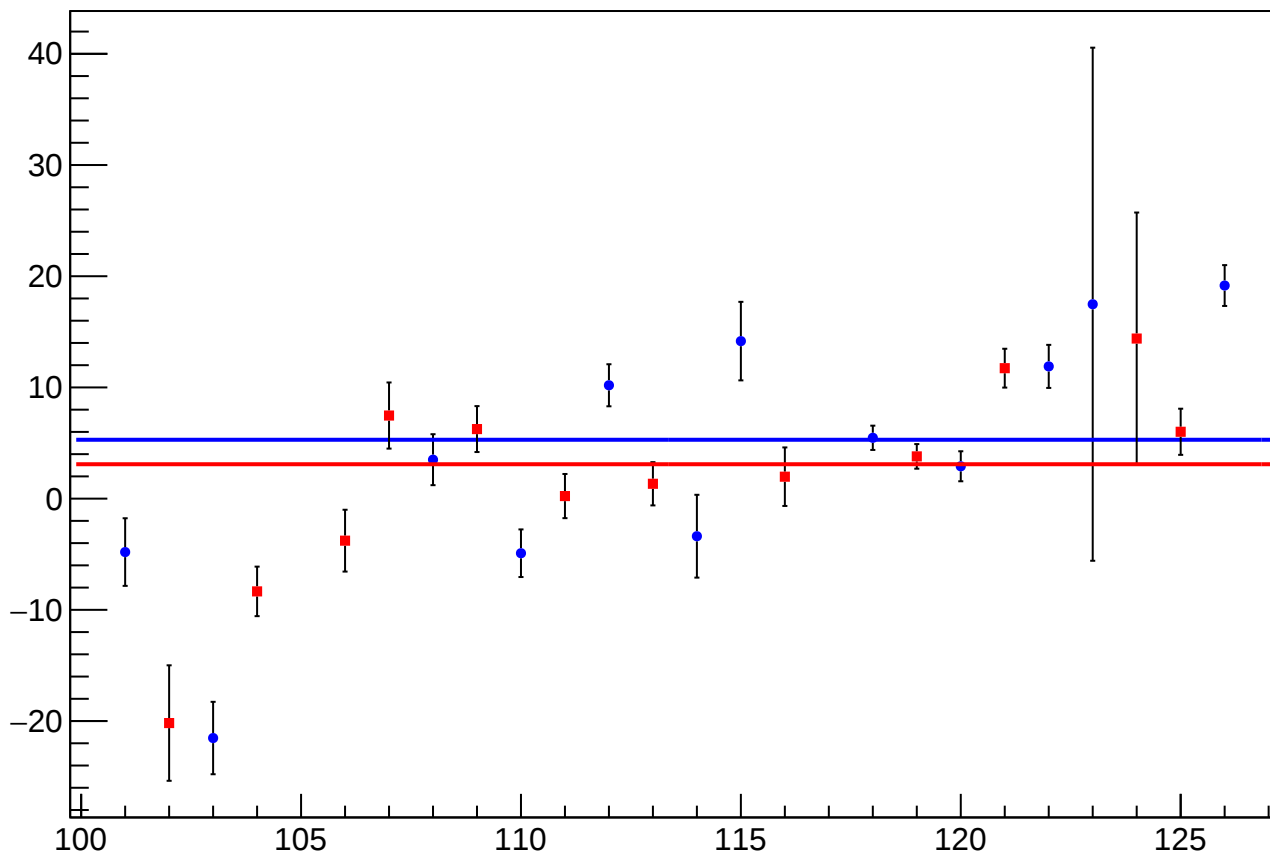
Right: 30.879 $\pm$ 0.668  $\chi^2$ /NDF: 686.3/23

In: 33.742 $\pm$ 0.980  $\chi^2$ /NDF: 227.7/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 30.879 $\pm$ 0.668  $\chi^2$ /NDF: 686.3/23

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.294+/-0.578  $\chi^2/\text{NDF}$ : 192.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.094+/-0.602  $\chi^2/\text{NDF}$ : 88.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

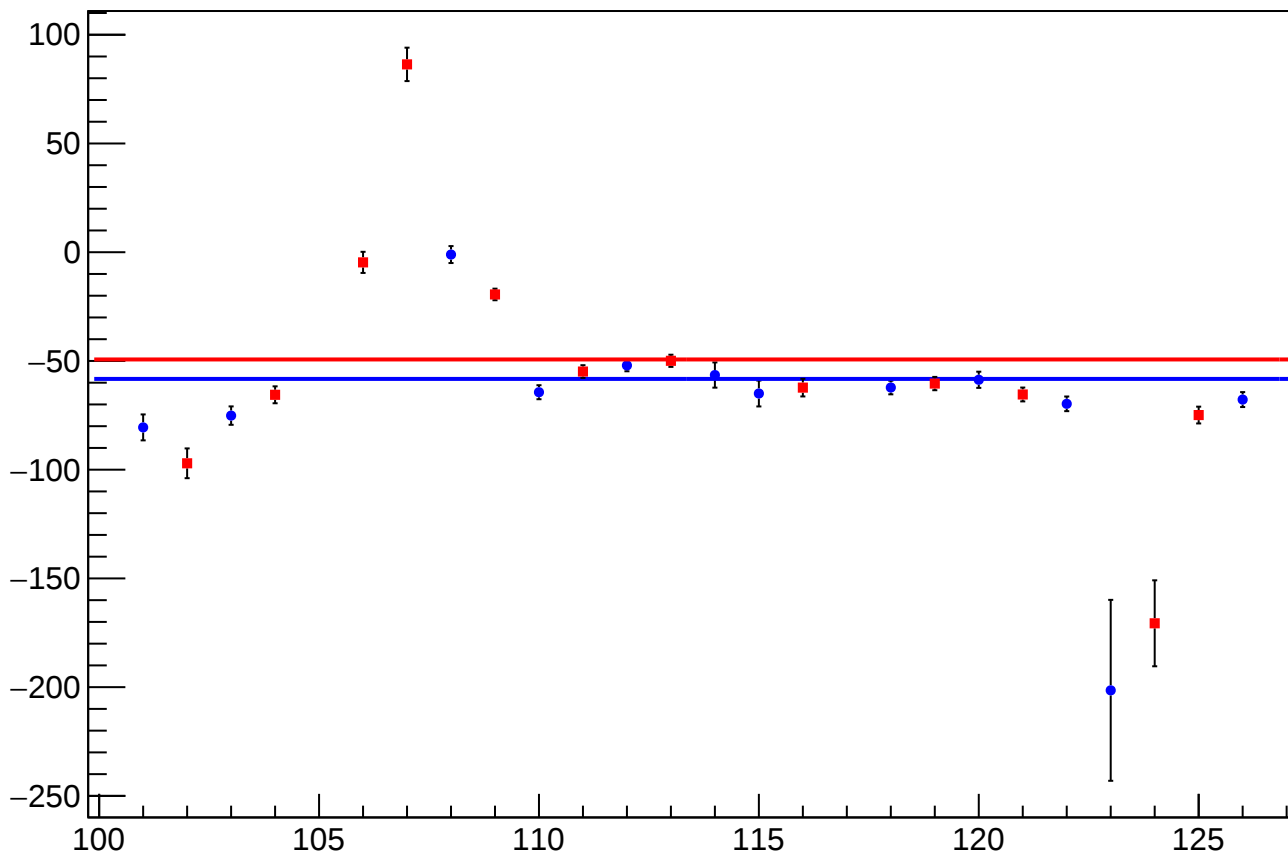
Right: 4.239+/-0.417  $\chi^2/\text{NDF}$ : 287.7/23

In: 5.294+/-0.578  $\chi^2/\text{NDF}$ : 192.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.239+/-0.417  $\chi^2/\text{NDF}$ : 287.7/23

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -58.261+/-1.126  $\chi^2/\text{NDF}$ : 288.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -49.314+/-1.073  $\chi^2/\text{NDF}$ : 722.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

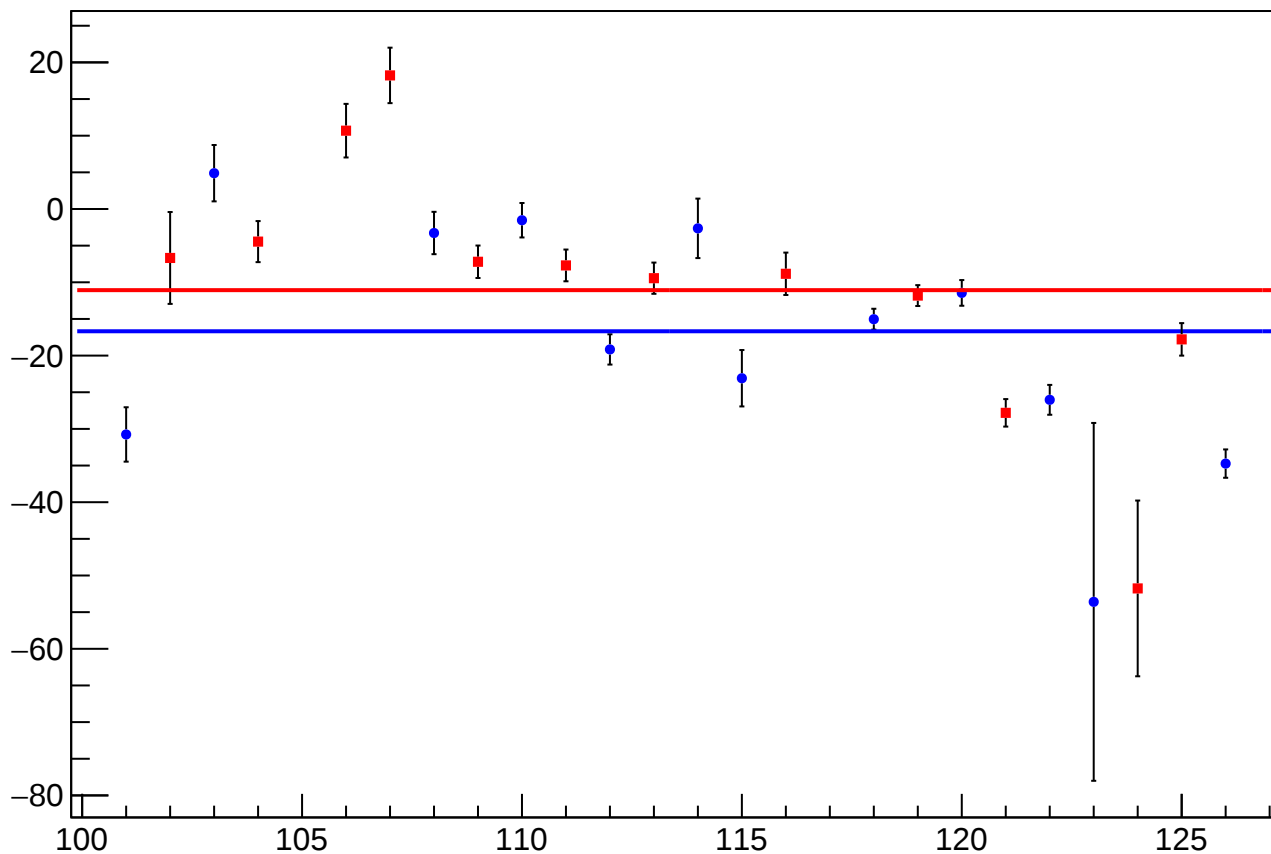
Right: -53.573+/-0.777  $\chi^2/\text{NDF}$ : 1044.0/23

In: -58.261+/-1.126  $\chi^2/\text{NDF}$ : 288.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -53.573+/-0.777  $\chi^2/\text{NDF}$ : 1044.0/23

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-16.681 \pm 0.685$   $\chi^2/\text{NDF}$ : 245.9/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-11.071 \pm 0.700$   $\chi^2/\text{NDF}$ : 208.6/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

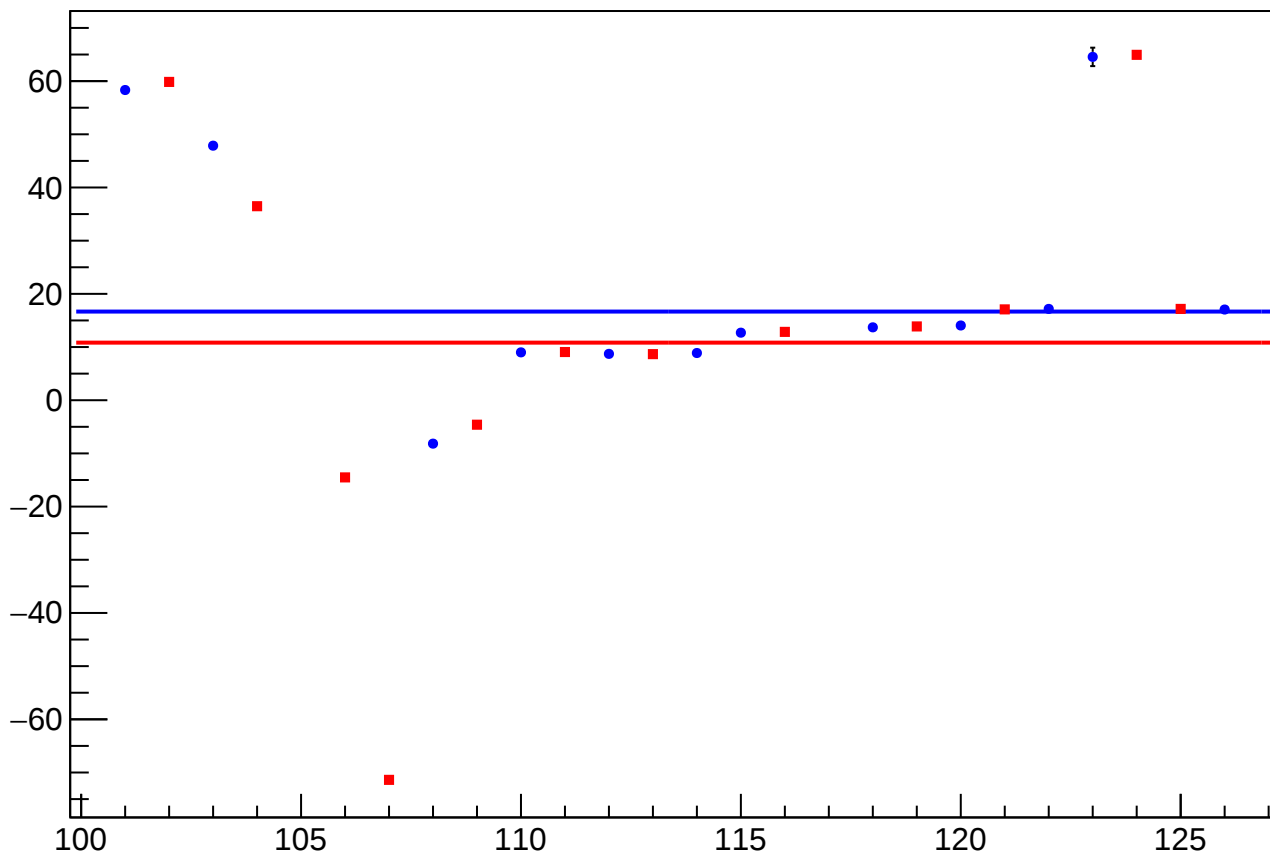
Right:  $-13.937 \pm 0.489$   $\chi^2/\text{NDF}$ : 487.4/23

In:  $-16.681 \pm 0.685$   $\chi^2/\text{NDF}$ : 245.9/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-13.937 \pm 0.489$   $\chi^2/\text{NDF}$ : 487.4/23

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 16.670 $\pm$ 0.041  $\chi^2$ /NDF: 233161.6/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 10.828 $\pm$ 0.041  $\chi^2$ /NDF: 440158.6/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

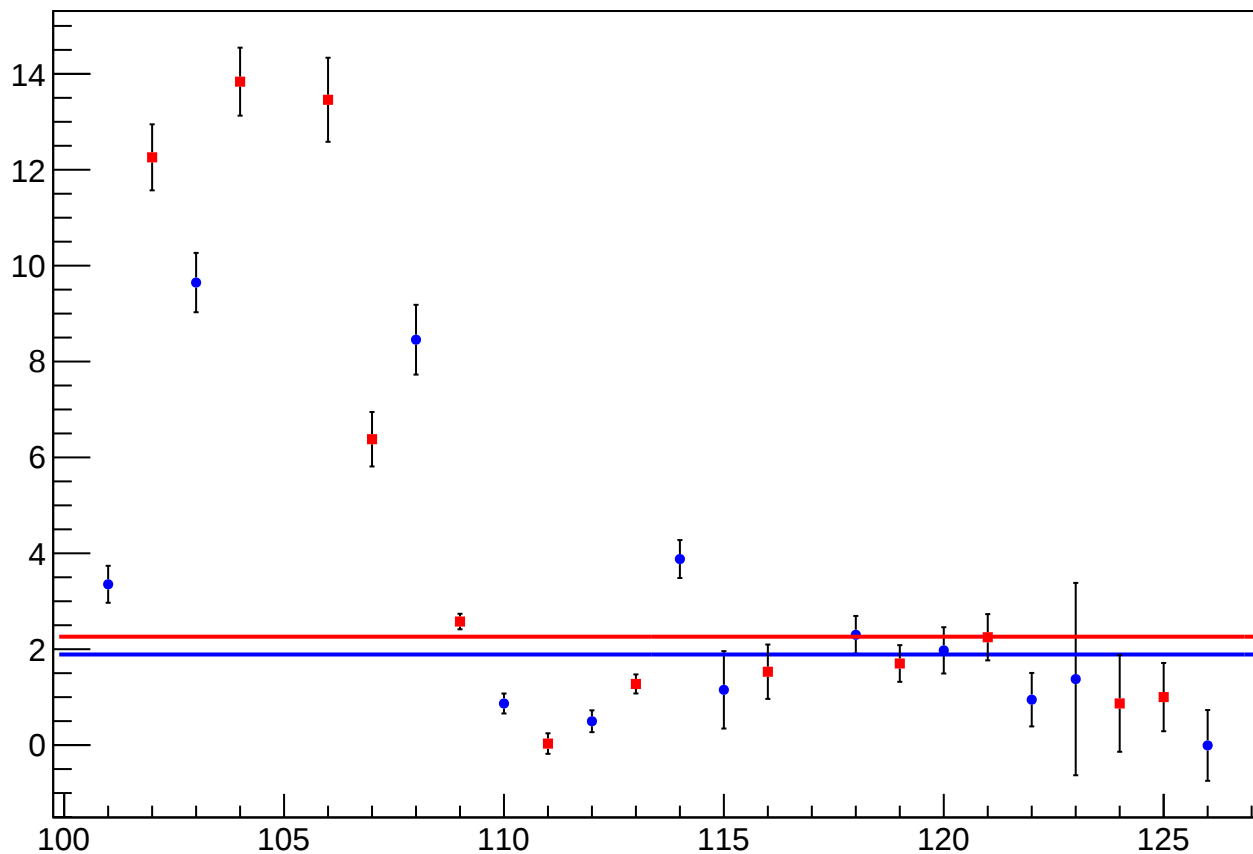
Right: 13.729 $\pm$ 0.029  $\chi^2$ /NDF: 683414.7/23

In: 16.670 $\pm$ 0.041  $\chi^2$ /NDF:233161.6/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 13.729 $\pm$ 0.029  $\chi^2$ /NDF: 683414.7/23

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.890+/-0.114  $\chi^2/\text{NDF}$ : 351.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.261+/-0.095  $\chi^2/\text{NDF}$ : 838.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

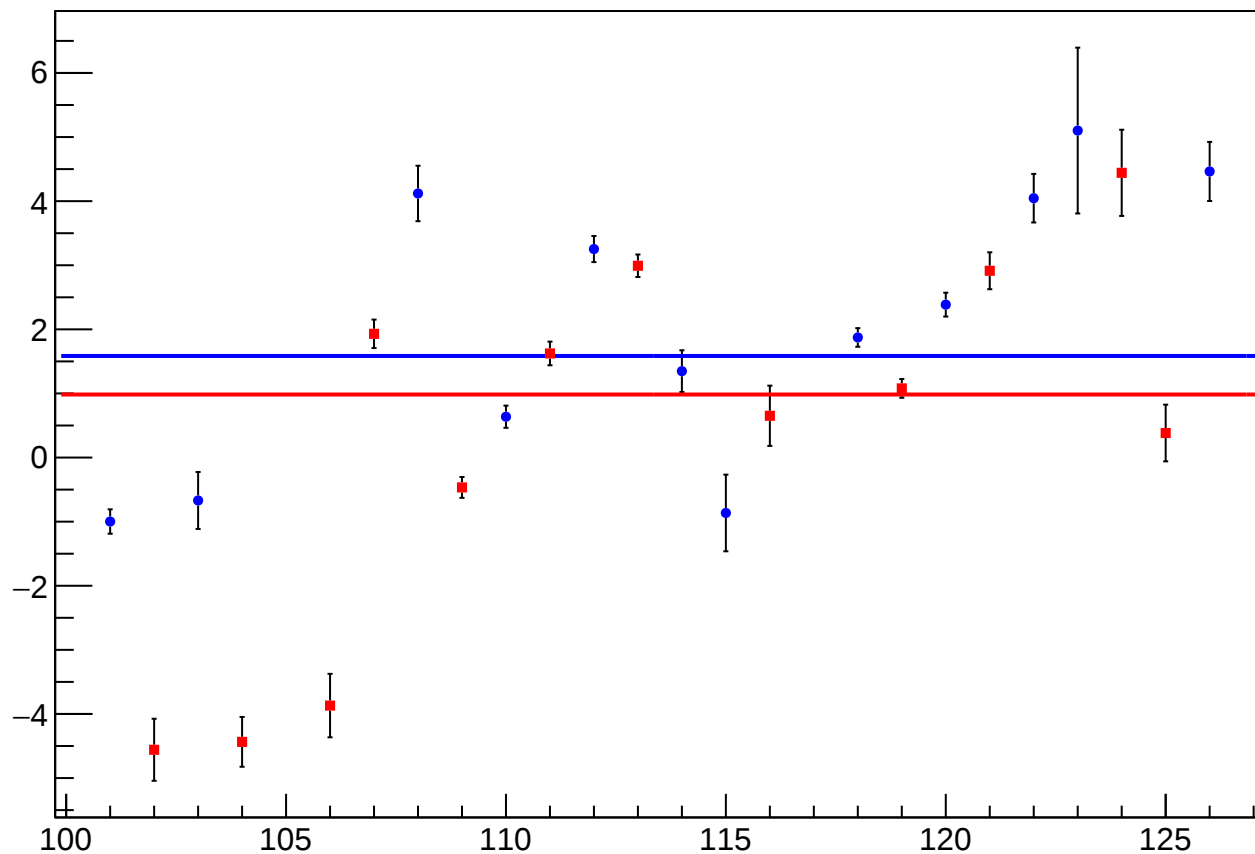
Right: 2.108+/-0.073  $\chi^2/\text{NDF}$ : 1196.2/23

In: 1.890+/-0.114  $\chi^2/\text{NDF}$ : 351.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.108+/-0.073  $\chi^2/\text{NDF}$ : 1196.2/23

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.585+/-0.071  $\chi^2/\text{NDF}$ : 469.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.983+/-0.070  $\chi^2/\text{NDF}$ : 736.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

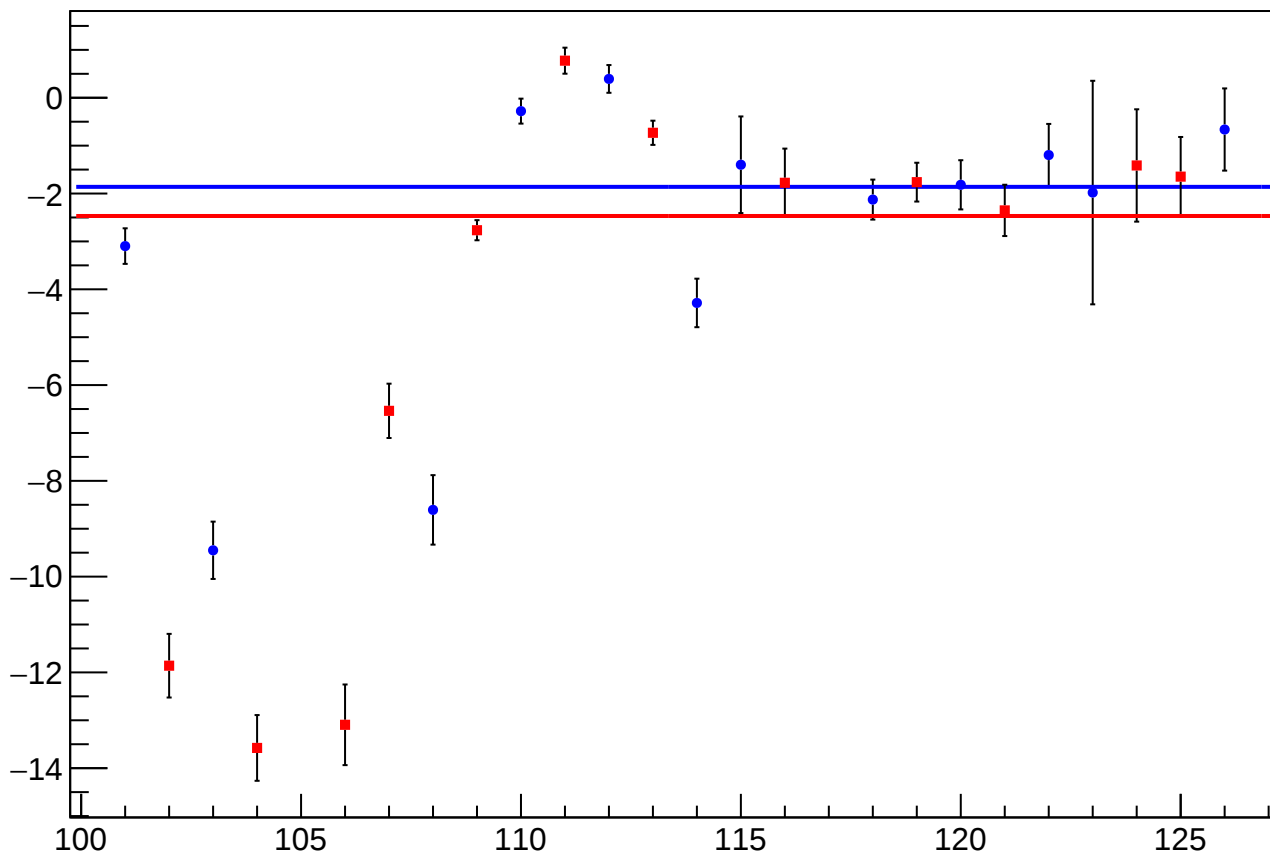
Right: 1.277+/-0.050  $\chi^2/\text{NDF}$ : 1242.1/23

In: 1.585+/-0.071  $\chi^2/\text{NDF}$ : 469.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.277+/-0.050  $\chi^2/\text{NDF}$ : 1242.1/23

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.860+/-0.133  $\chi^2/\text{NDF}$ : 382.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.469+/-0.116  $\chi^2/\text{NDF}$ : 870.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

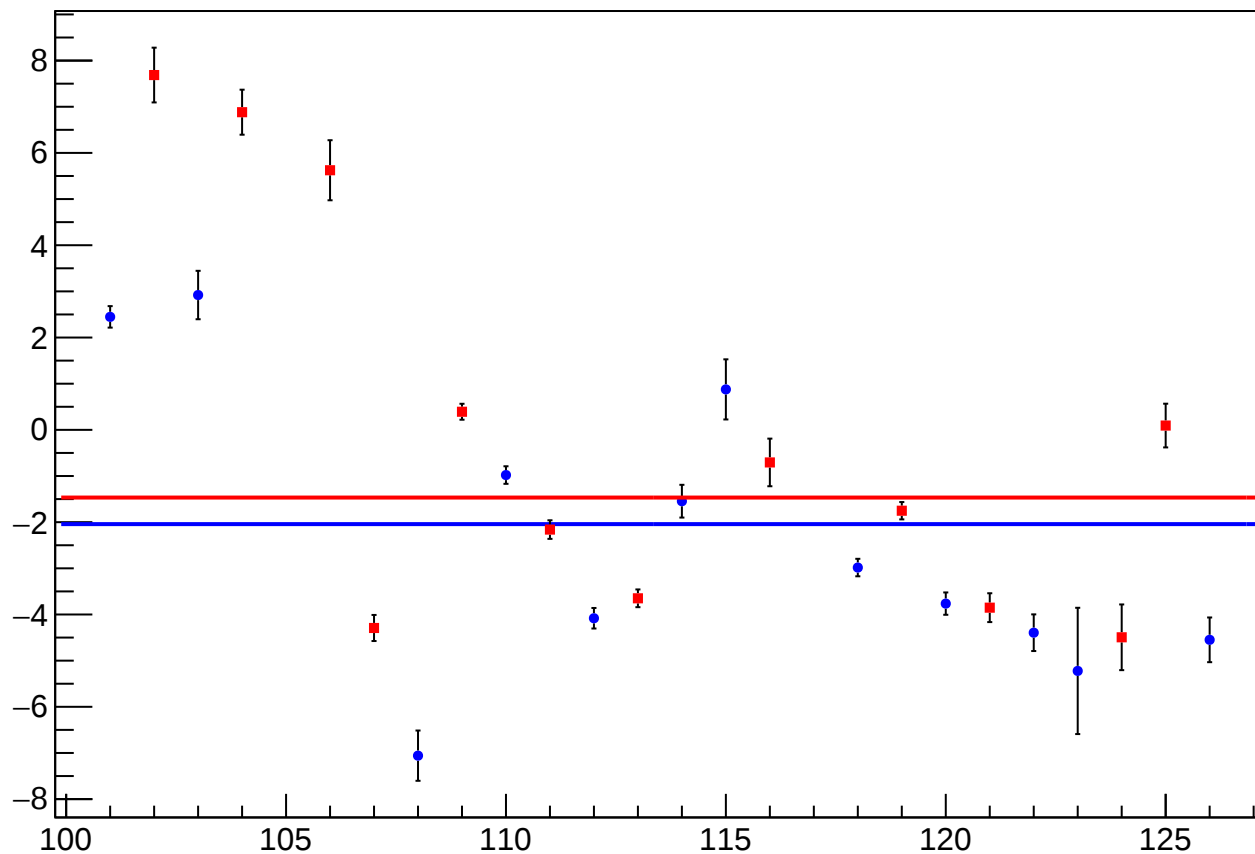
Right: -2.206+/-0.087  $\chi^2/\text{NDF}$ : 1264.1/23

In: -1.860+/-0.133  $\chi^2/\text{NDF}$ : 382.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.206+/-0.087  $\chi^2/\text{NDF}$ : 1264.1/23

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-2.042 \pm 0.085$   $\chi^2/\text{NDF}$ : 826.3/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.467 \pm 0.080$   $\chi^2/\text{NDF}$ : 1099.1/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

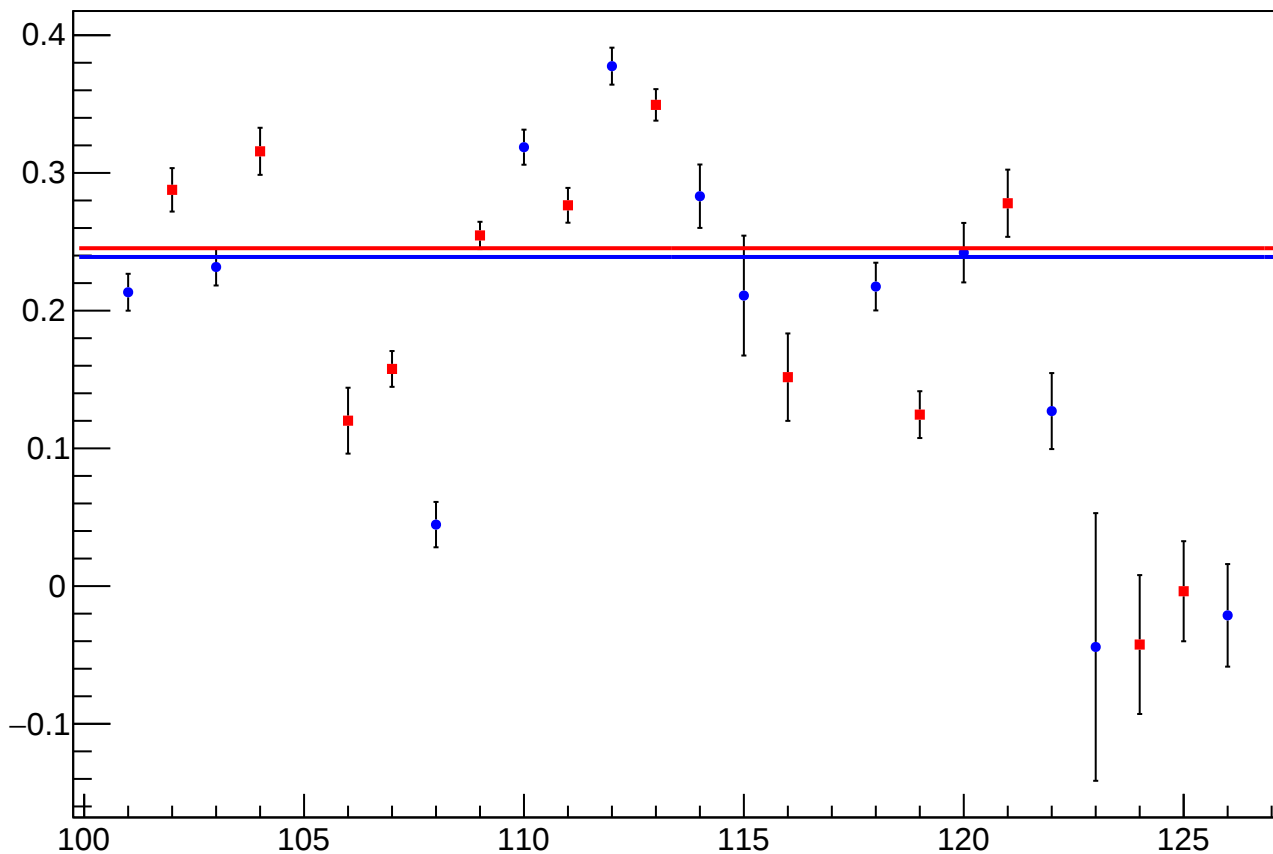
Right:  $-1.738 \pm 0.058$   $\chi^2/\text{NDF}$ : 1949.8/23

In:  $-2.042 \pm 0.085$   $\chi^2/\text{NDF}$ : 826.3/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.738 \pm 0.058$   $\chi^2/\text{NDF}$ : 1949.8/23

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.239+/-0.005  $\chi^2/\text{NDF}$ : 368.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.245+/-0.005  $\chi^2/\text{NDF}$ : 327.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

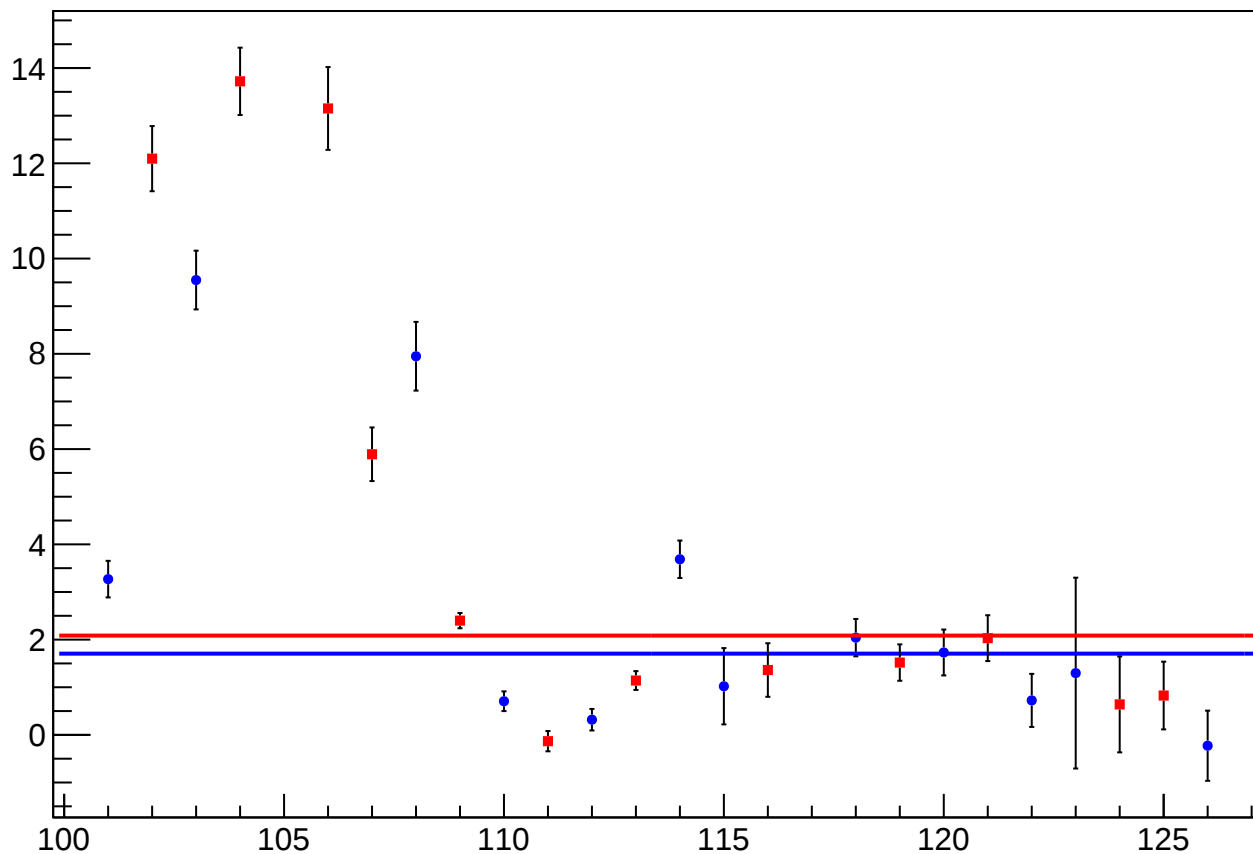
Right: 0.243+/-0.003  $\chi^2/\text{NDF}$ : 696.3/23

In: 0.239+/-0.005  $\chi^2/\text{NDF}$ :368.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.243+/-0.003  $\chi^2/\text{NDF}$ : 696.3/23

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.705+/-0.113  $\chi^2/\text{NDF}$ : 351.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.084+/-0.094  $\chi^2/\text{NDF}$ : 837.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

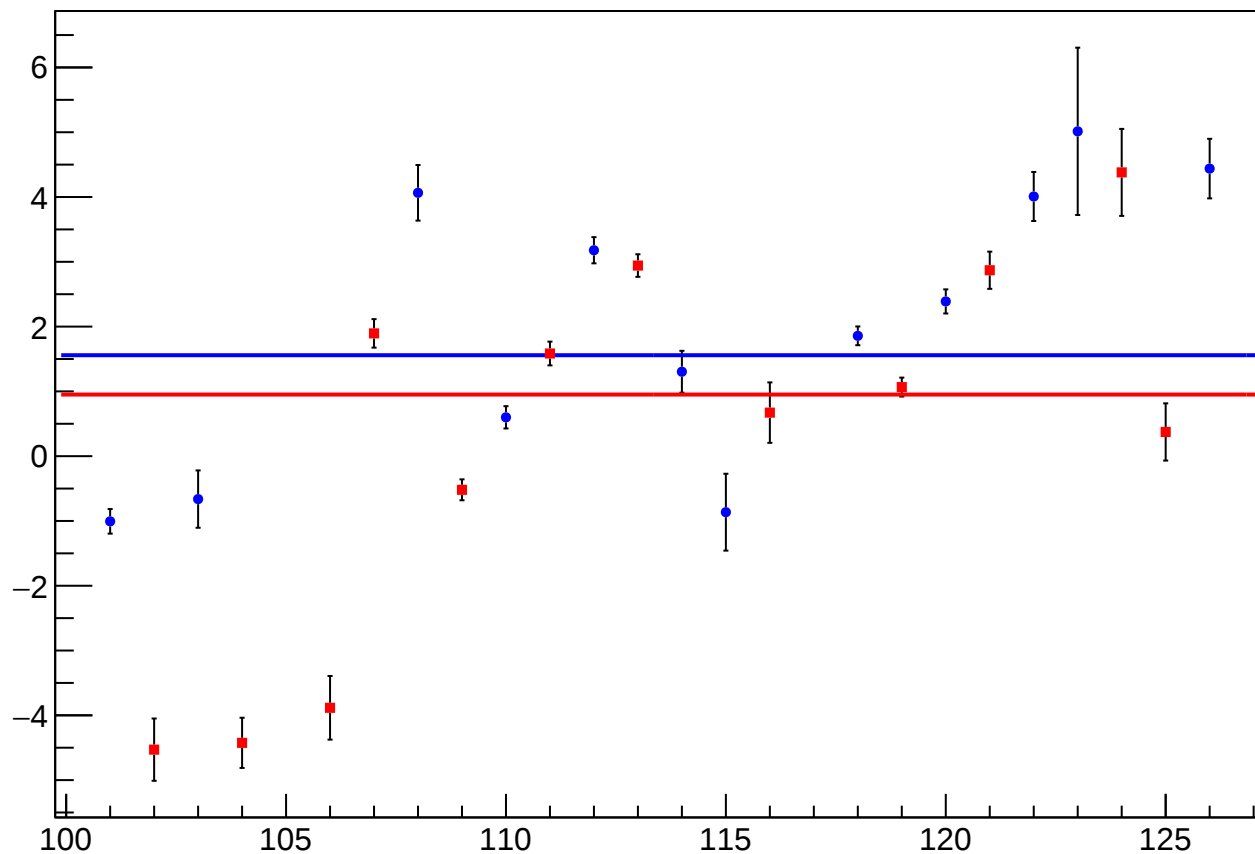
Right: 1.929+/-0.072  $\chi^2/\text{NDF}$ : 1195.3/23

In: 1.705+/-0.113  $\chi^2/\text{NDF}$ : 351.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.929+/-0.072  $\chi^2/\text{NDF}$ : 1195.3/23

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.558 $\pm$ 0.071  $\chi^2$ /NDF: 467.1/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.951 $\pm$ 0.069  $\chi^2$ /NDF: 736.9/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

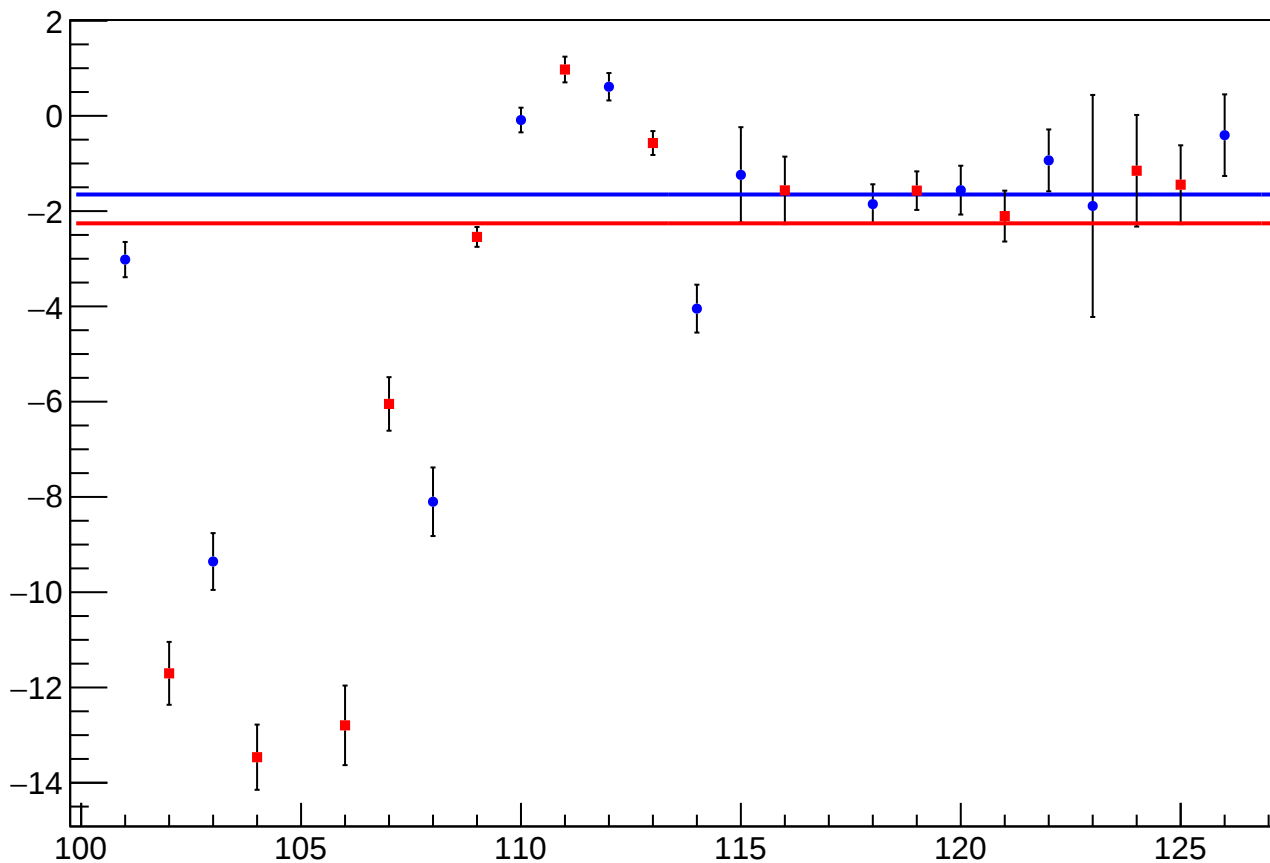
Right: 1.247 $\pm$ 0.050  $\chi^2$ /NDF: 1241.5/23

In: 1.558 $\pm$ 0.071  $\chi^2$ /NDF:467.1/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.247 $\pm$ 0.050  $\chi^2$ /NDF: 1241.5/23

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.651 \pm 0.132$   $\chi^2/\text{NDF}$ : 385.8/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.257 \pm 0.115$   $\chi^2/\text{NDF}$ : 873.8/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

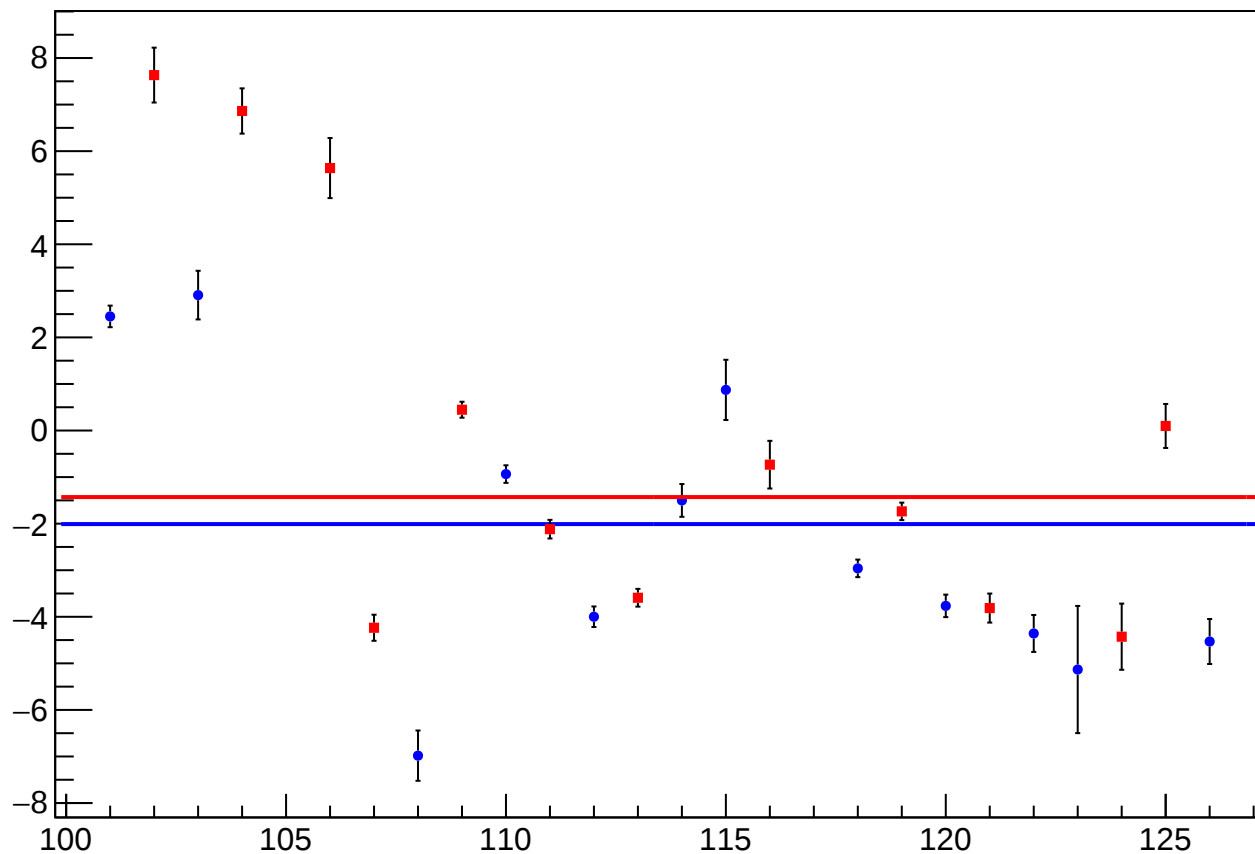
Right:  $-1.995 \pm 0.087$   $\chi^2/\text{NDF}$ : 1271.5/23

In:  $-1.651 \pm 0.132$   $\chi^2/\text{NDF}$ : 385.8/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.995 \pm 0.087$   $\chi^2/\text{NDF}$ : 1271.5/23

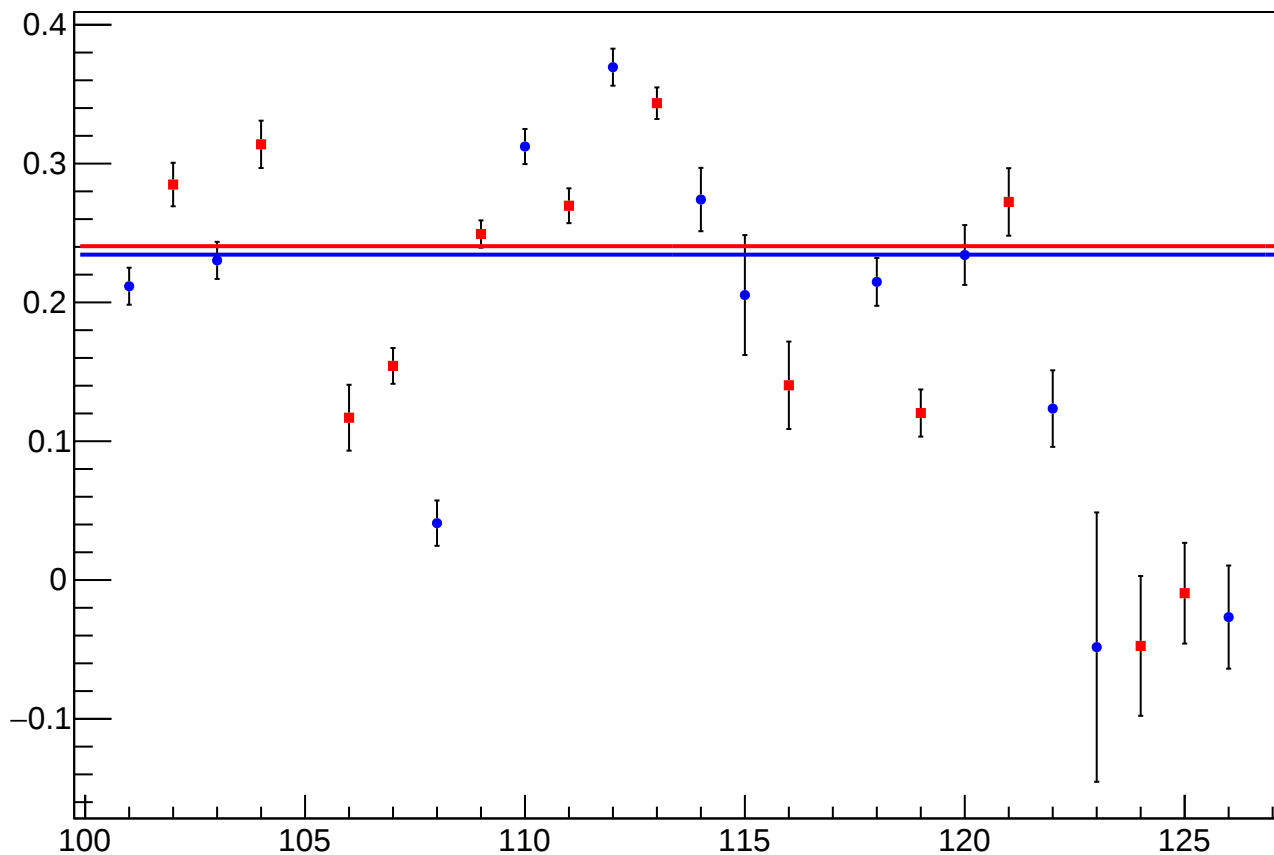
reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-2.009 \pm 0.084$   $\chi^2/\text{NDF}$ : 824.9/11  
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out:  $-1.429 \pm 0.080$   $\chi^2/\text{NDF}$ : 1099.9/11  
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right:  $-1.703 \pm 0.058$   $\chi^2/\text{NDF}$ : 1949.9/23  
 In:  $-2.009 \pm 0.084$   $\chi^2/\text{NDF}$ : 824.9/11  
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 All:  $-1.703 \pm 0.058$   $\chi^2/\text{NDF}$ : 1949.9/23

reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.234+/-0.005  $\chi^2/\text{NDF}$ : 362.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.241+/-0.005  $\chi^2/\text{NDF}$ : 329.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

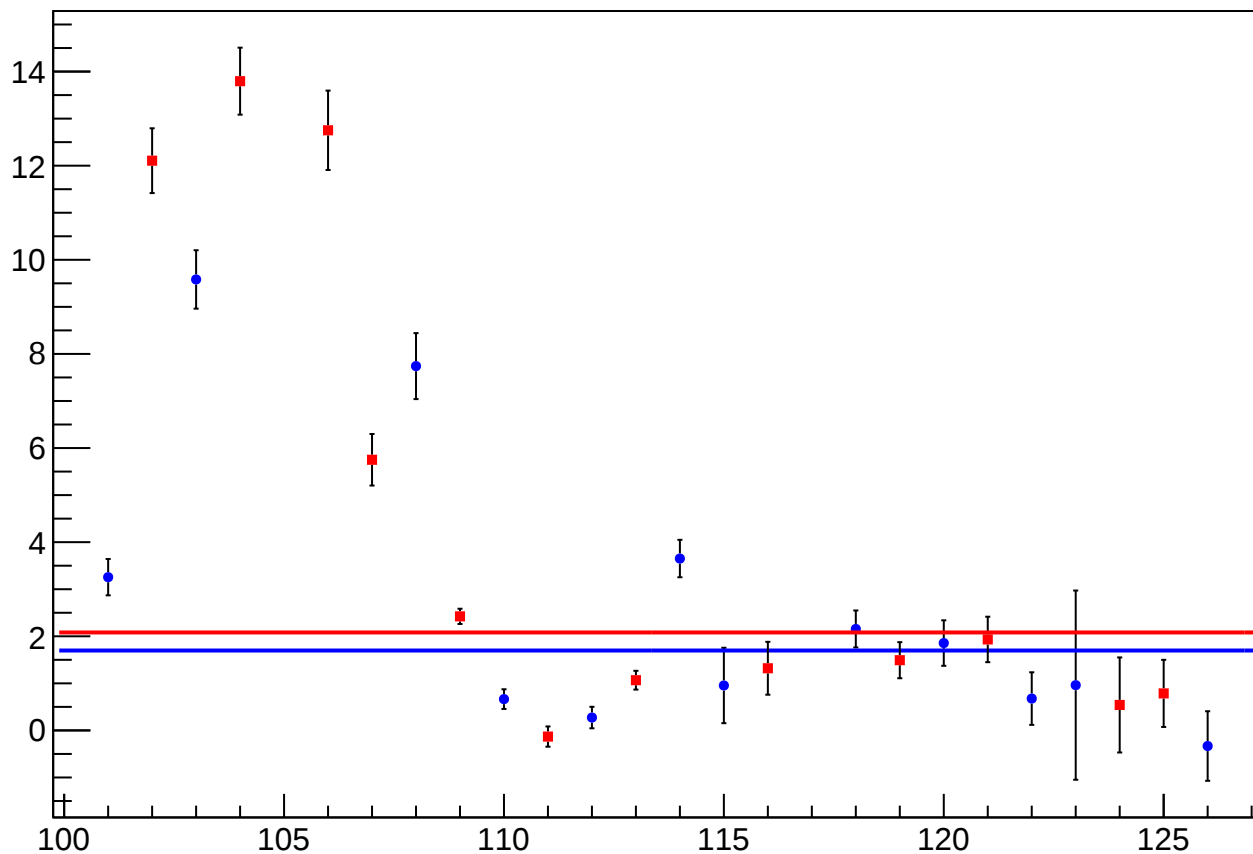
Right: 0.238+/-0.003  $\chi^2/\text{NDF}$ : 692.2/23

In: 0.234+/-0.005  $\chi^2/\text{NDF}$ : 362.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.238+/-0.003  $\chi^2/\text{NDF}$ : 692.2/23

reg\_asym\_bcm\_an\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.698+/-0.114  $\chi^2/\text{NDF}$ : 352.8/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.081+/-0.095  $\chi^2/\text{NDF}$ : 833.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

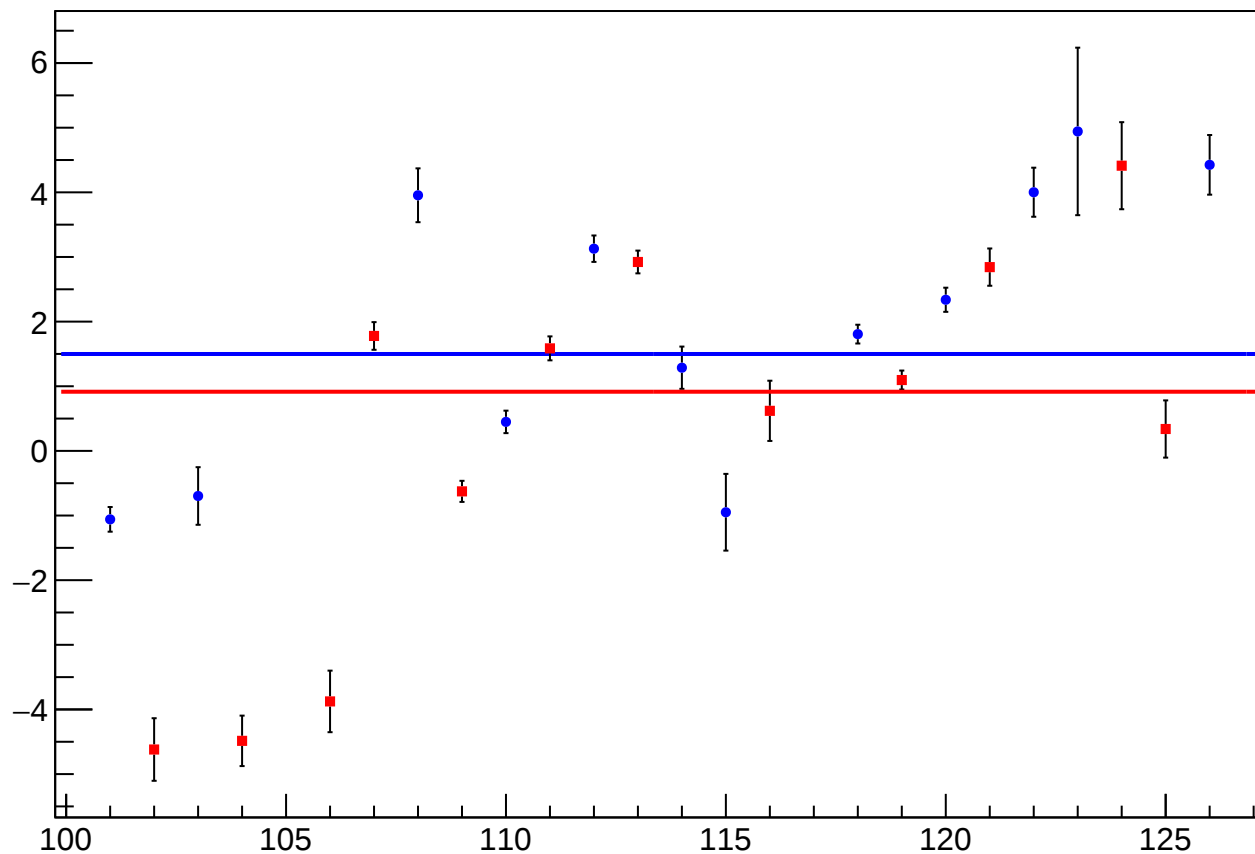
Right: 1.924+/-0.073  $\chi^2/\text{NDF}$ : 1193.4/23

In: 1.698+/-0.114  $\chi^2/\text{NDF}$ : 352.8/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.924+/-0.073  $\chi^2/\text{NDF}$ : 1193.4/23

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.499+/-0.071  $\chi^2/\text{NDF}$ : 471.7/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.915+/-0.070  $\chi^2/\text{NDF}$ : 747.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

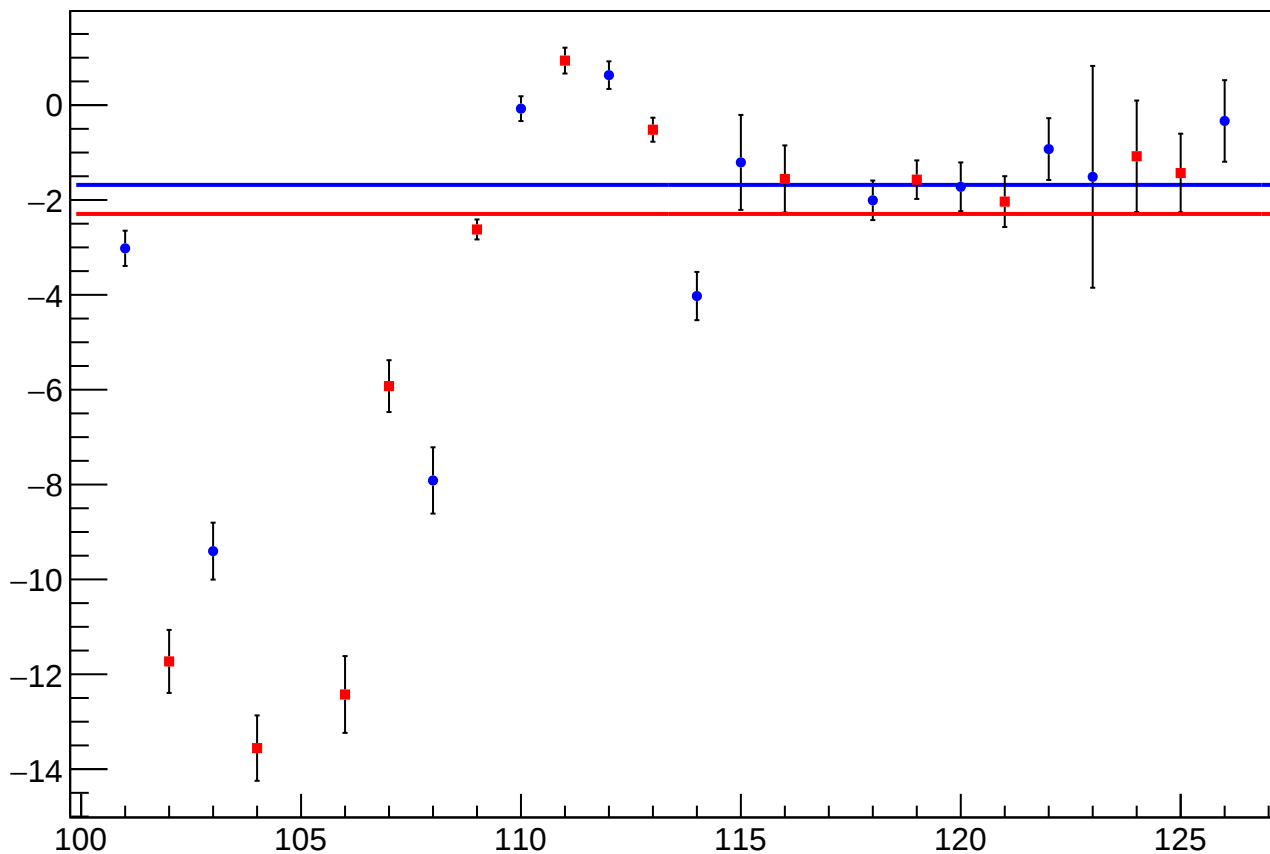
Right: 1.199+/-0.050  $\chi^2/\text{NDF}$ : 1253.6/23

In: 1.499+/-0.071  $\chi^2/\text{NDF}$ : 471.7/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.199+/-0.050  $\chi^2/\text{NDF}$ : 1253.6/23

reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.682 \pm 0.133$   $\chi^2/\text{NDF}$ : 384.9/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.294 \pm 0.116$   $\chi^2/\text{NDF}$ : 868.0/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

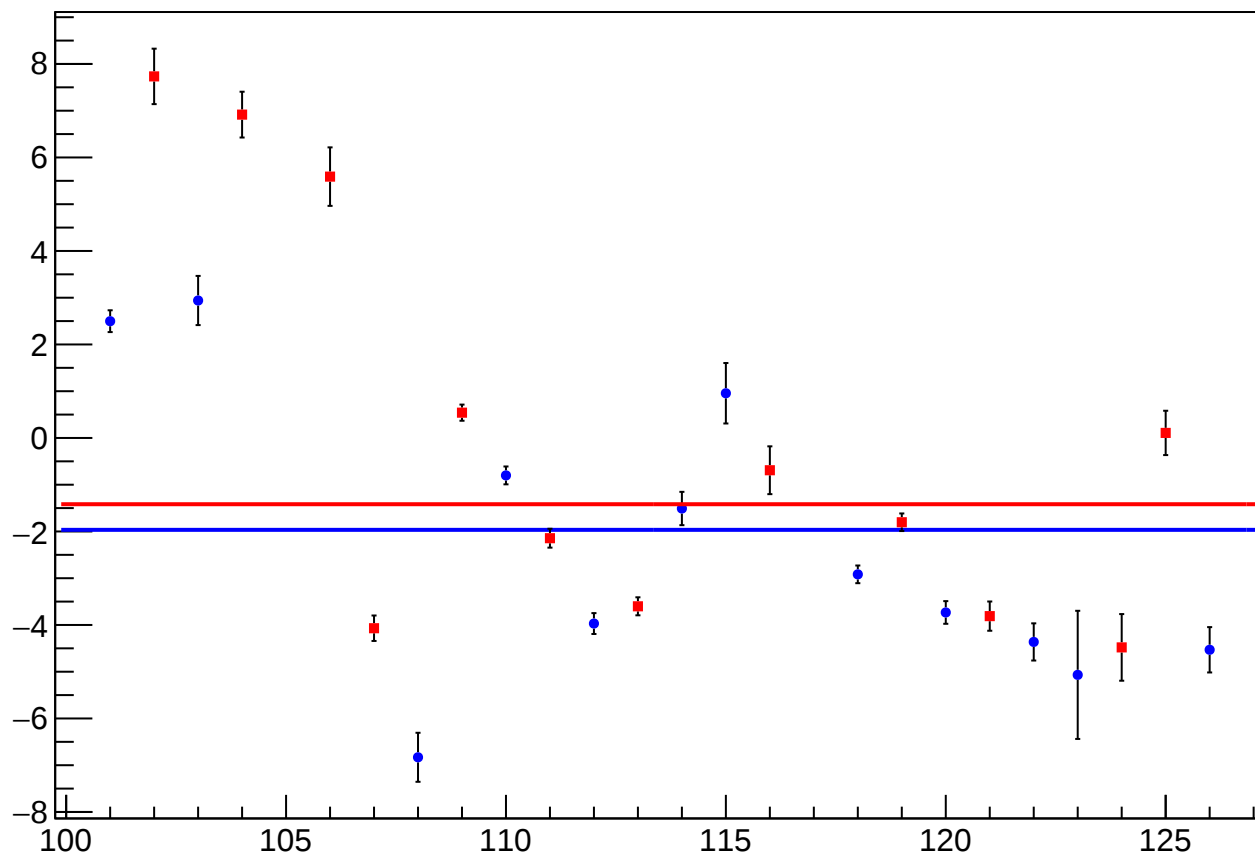
Right:  $-2.030 \pm 0.087$   $\chi^2/\text{NDF}$ : 1265.0/23

In:  $-1.682 \pm 0.133$   $\chi^2/\text{NDF}$ : 384.9/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.030 \pm 0.087$   $\chi^2/\text{NDF}$ : 1265.0/23

reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.965+/-0.085  $\chi^2/\text{NDF}$ : 827.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.417+/-0.080  $\chi^2/\text{NDF}$ : 1111.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

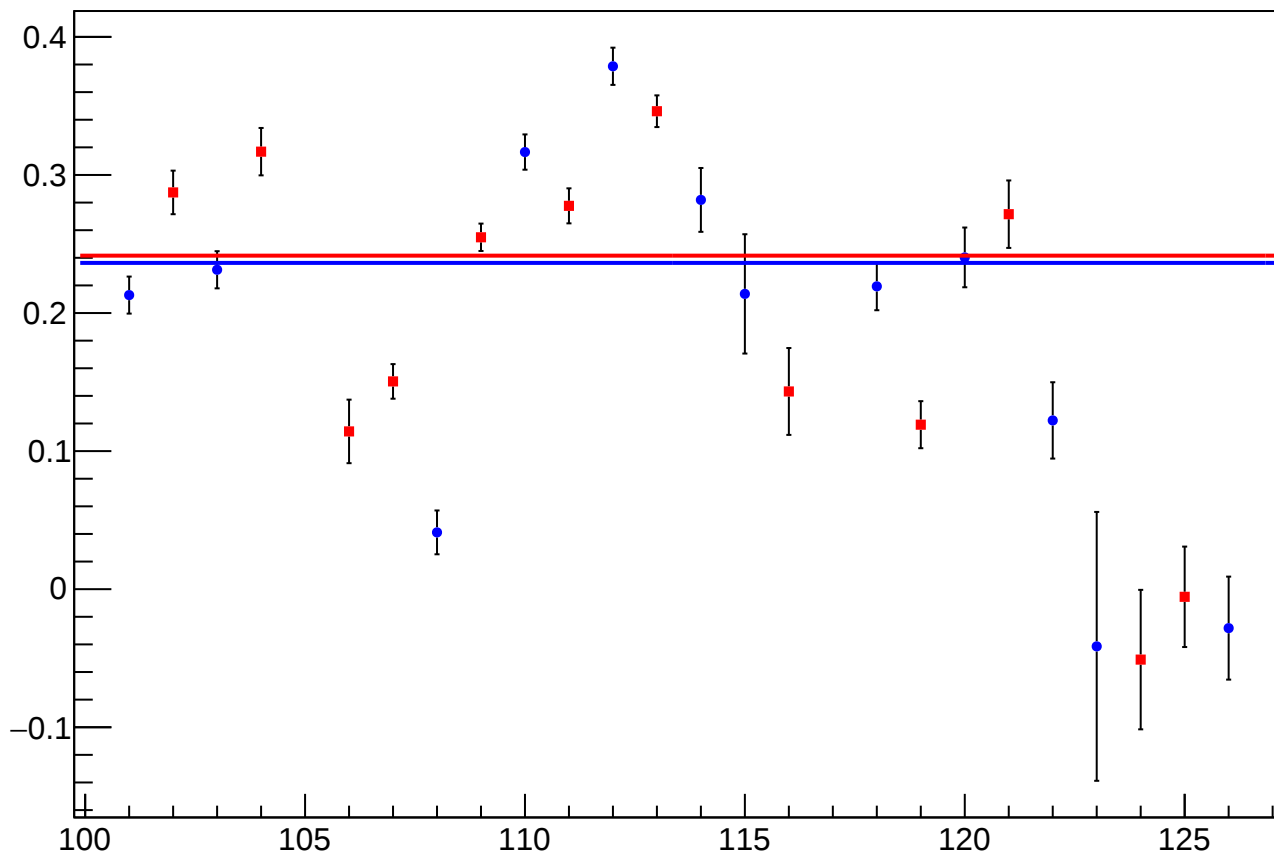
Right: -1.675+/-0.058  $\chi^2/\text{NDF}$ : 1960.7/23

In: -1.965+/-0.085  $\chi^2/\text{NDF}$ : 827.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.675+/-0.058  $\chi^2/\text{NDF}$ : 1960.7/23

reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.236+/-0.005  $\chi^2/\text{NDF}$ : 386.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.242+/-0.005  $\chi^2/\text{NDF}$ : 346.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

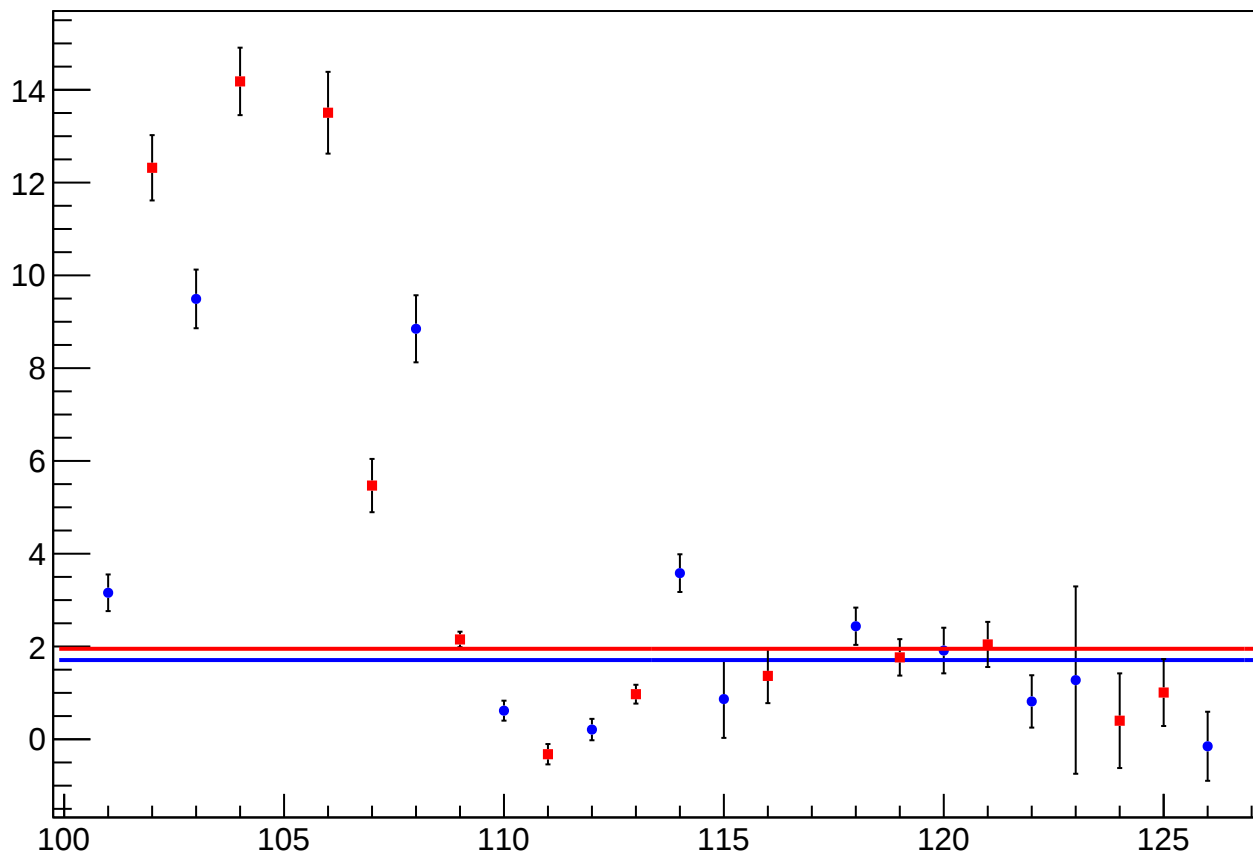
Right: 0.239+/-0.003  $\chi^2/\text{NDF}$ : 733.4/23

In: 0.236+/-0.005  $\chi^2/\text{NDF}$ :386.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.239+/-0.003  $\chi^2/\text{NDF}$ : 733.4/23

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.707+/-0.116  $\chi^2/\text{NDF}$ : 365.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.950+/-0.097  $\chi^2/\text{NDF}$ : 846.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

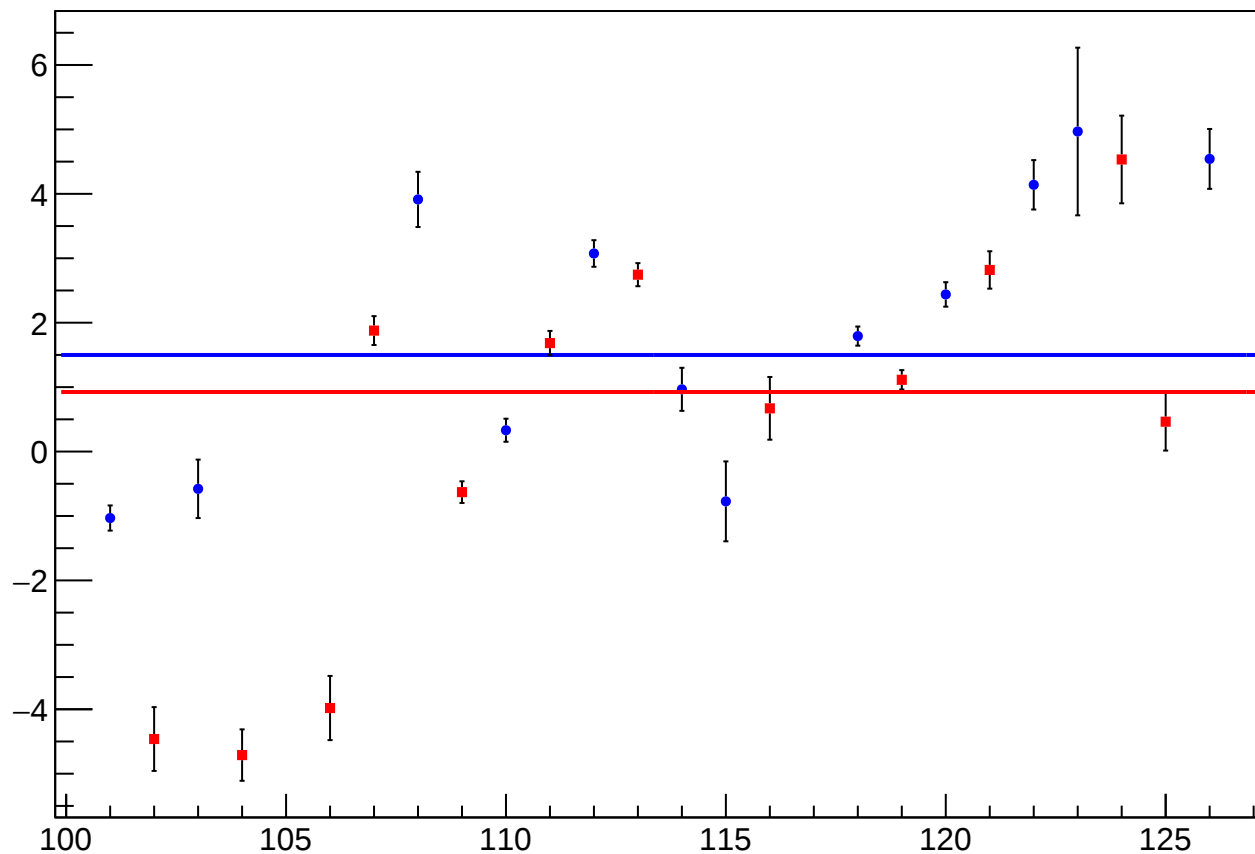
Right: 1.850+/-0.075  $\chi^2/\text{NDF}$ : 1214.3/23

In: 1.707+/-0.116  $\chi^2/\text{NDF}$ : 365.1/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.850+/-0.075  $\chi^2/\text{NDF}$ : 1214.3/23

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.499+/-0.073  $\chi^2/\text{NDF}$ : 463.2/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.925+/-0.071  $\chi^2/\text{NDF}$ : 711.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

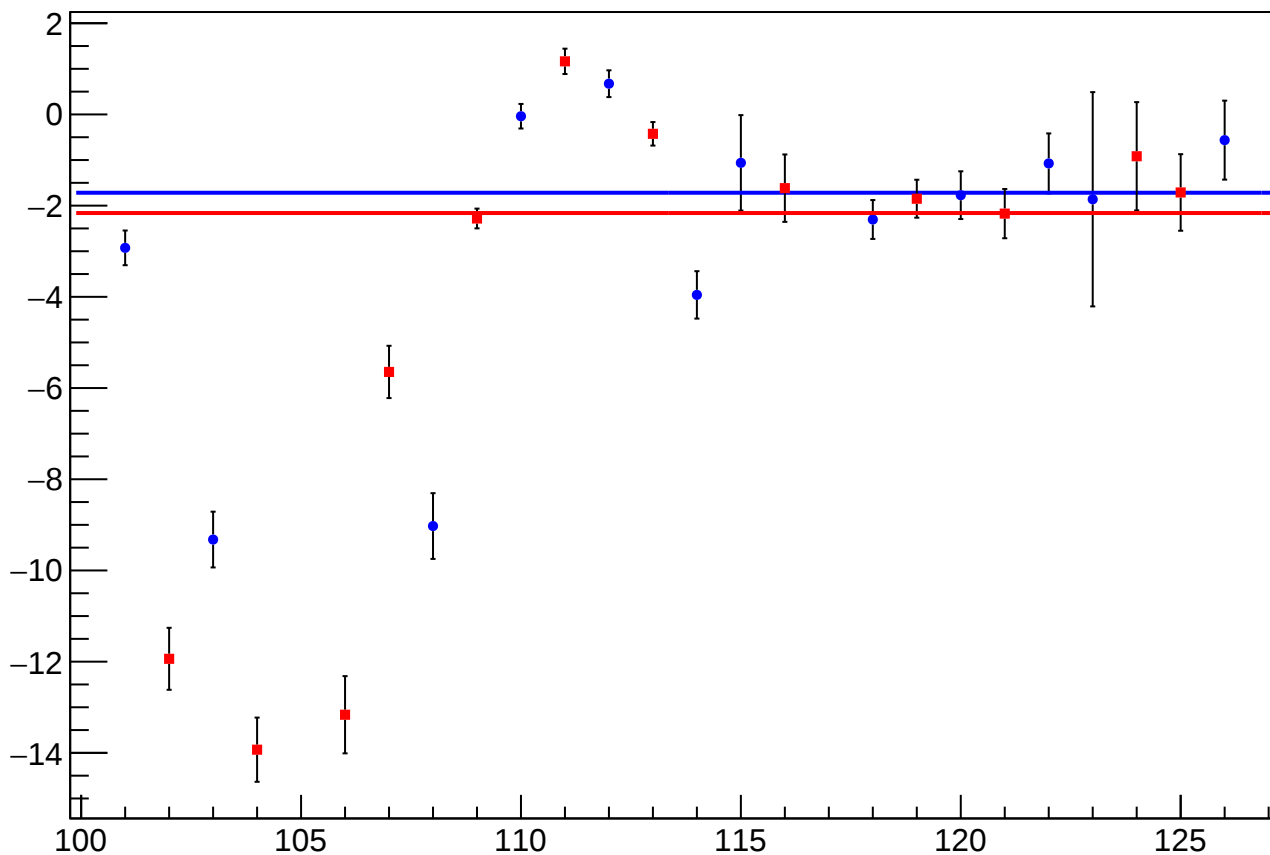
Right: 1.206+/-0.051  $\chi^2/\text{NDF}$ : 1206.6/23

In: 1.499+/-0.073  $\chi^2/\text{NDF}$ : 463.2/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.206+/-0.051  $\chi^2/\text{NDF}$ : 1206.6/23

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.717 \pm 0.135$   $\chi^2/\text{NDF}$ : 396.4/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.162 \pm 0.119$   $\chi^2/\text{NDF}$ : 883.3/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

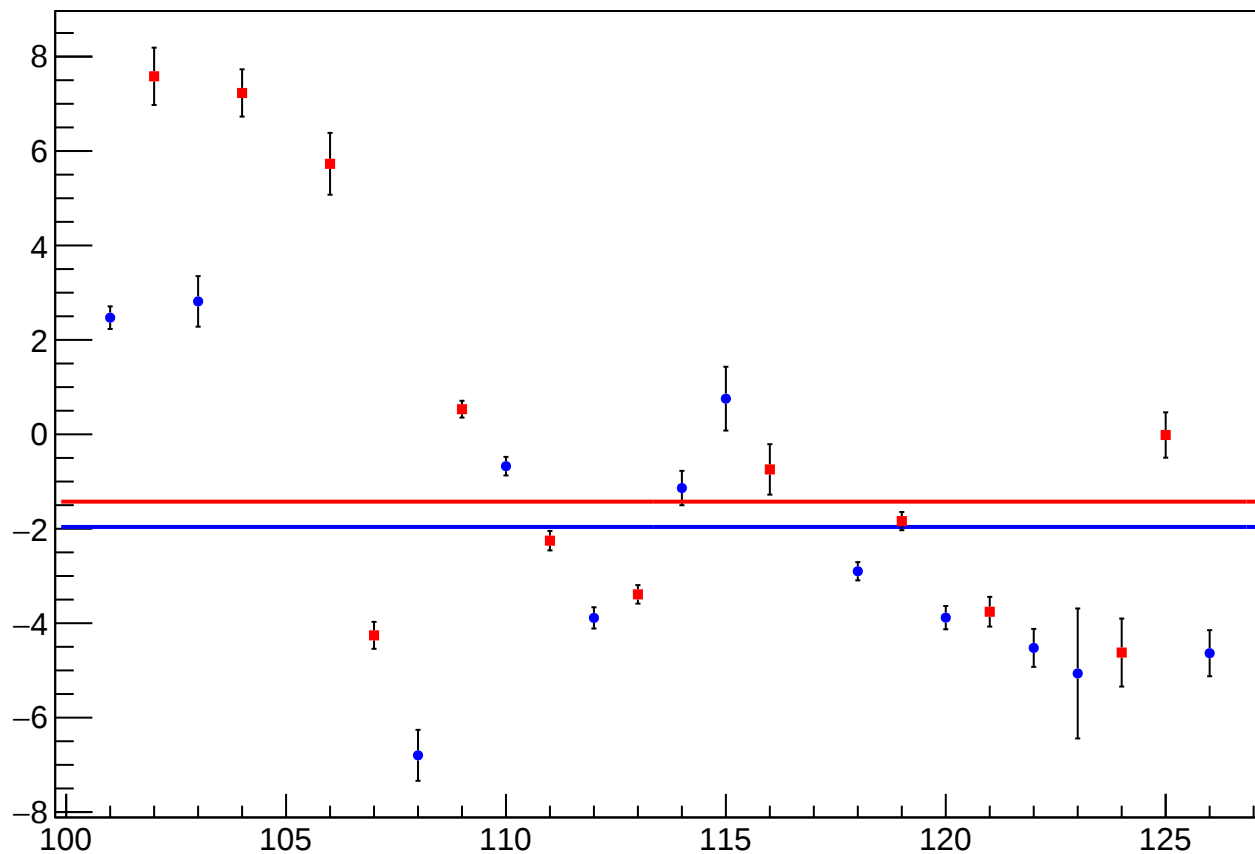
Right:  $-1.969 \pm 0.089$   $\chi^2/\text{NDF}$ : 1285.7/23

In:  $-1.717 \pm 0.135$   $\chi^2/\text{NDF}$ : 396.4/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.969 \pm 0.089$   $\chi^2/\text{NDF}$ : 1285.7/23

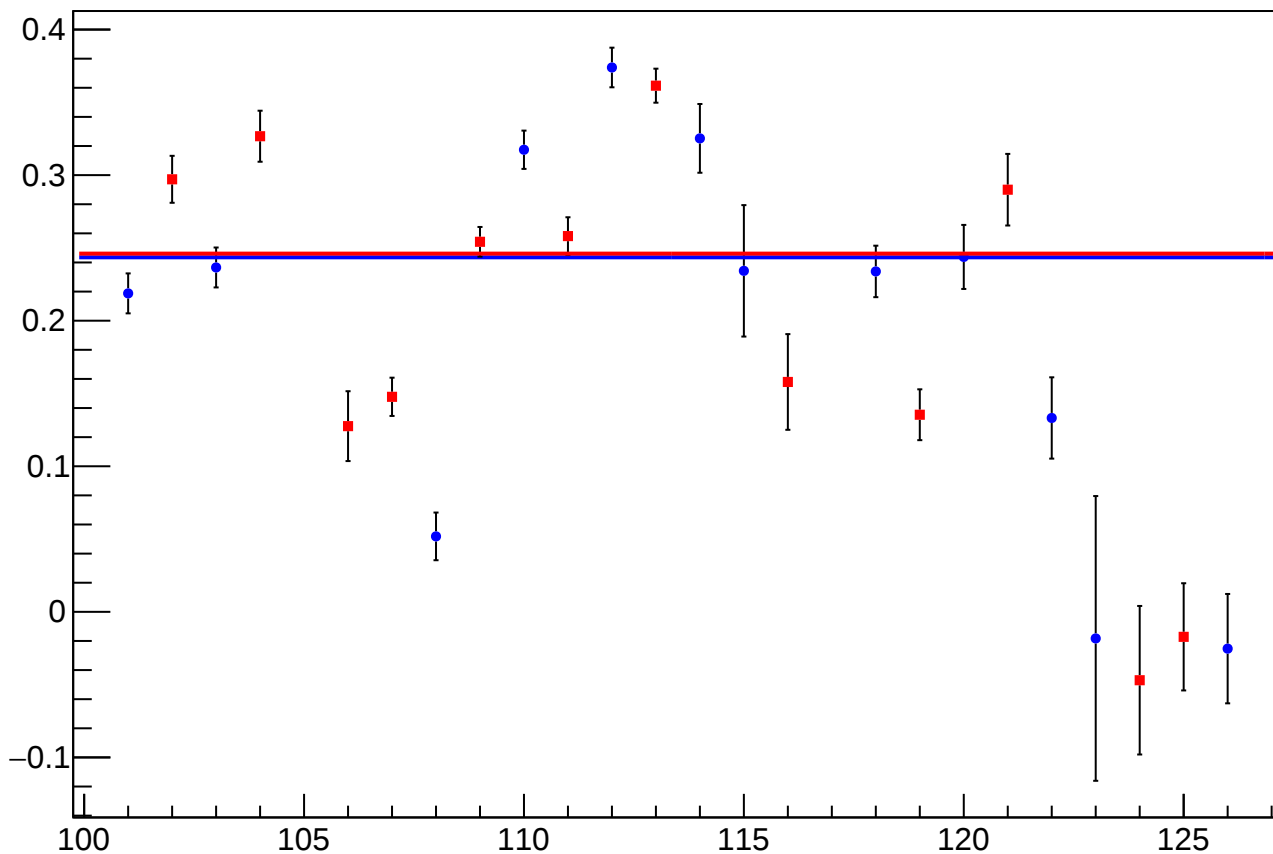
reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-1.962 \pm 0.086$   $\chi^2/\text{NDF}$ : 801.8/11  
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out:  $-1.426 \pm 0.082$   $\chi^2/\text{NDF}$ : 1064.0/11  
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right:  $-1.679 \pm 0.059$   $\chi^2/\text{NDF}$ : 1886.0/23  
 In:  $-1.962 \pm 0.086$   $\chi^2/\text{NDF}$ : 801.8/11  
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 All:  $-1.679 \pm 0.059$   $\chi^2/\text{NDF}$ : 1886.0/23

reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.244+/-0.005  $\chi^2/\text{NDF}$ : 350.3/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.246+/-0.005  $\chi^2/\text{NDF}$ : 345.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

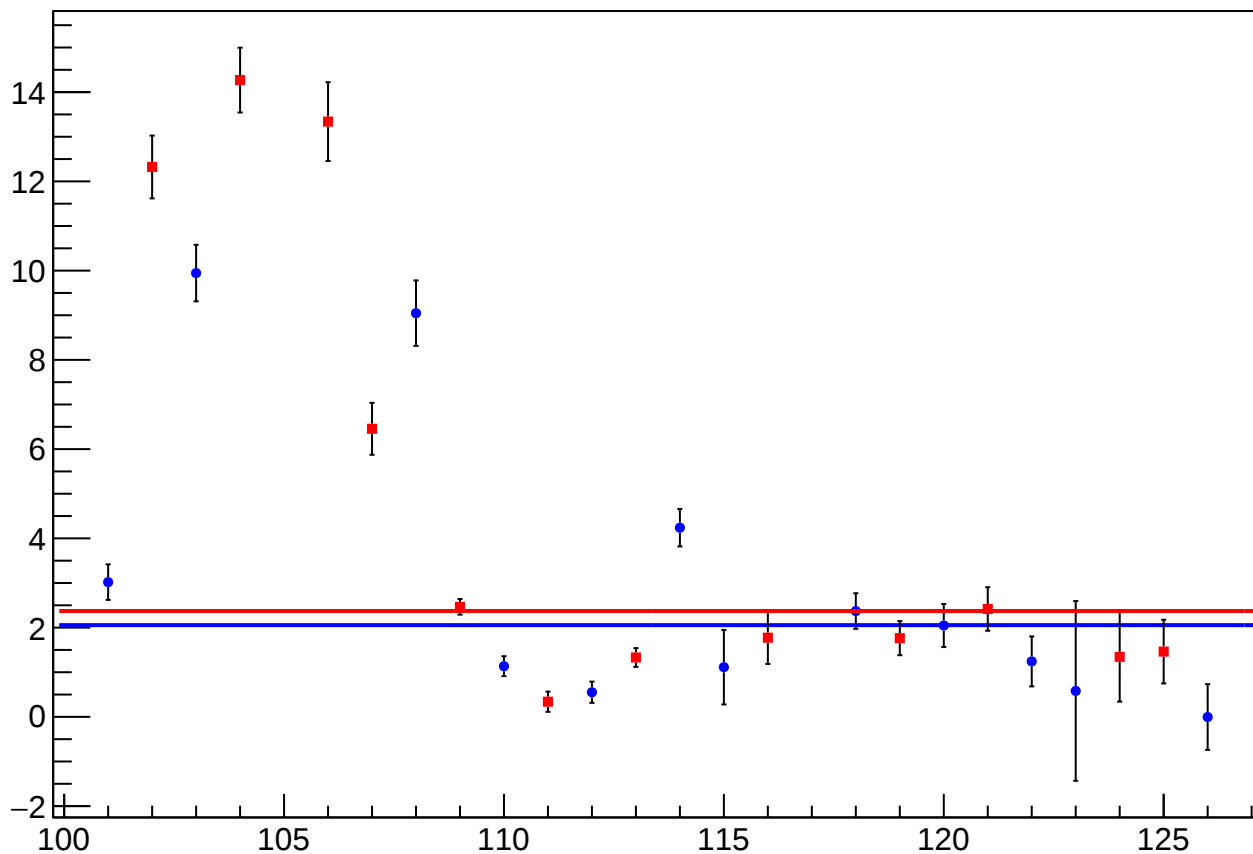
Right: 0.245+/-0.004  $\chi^2/\text{NDF}$ : 695.6/23

In: 0.244+/-0.005  $\chi^2/\text{NDF}$ : 350.3/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.245+/-0.004  $\chi^2/\text{NDF}$ : 695.6/23

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.055+/-0.118  $\chi^2/\text{NDF}$ : 348.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.372+/-0.100  $\chi^2/\text{NDF}$ : 783.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

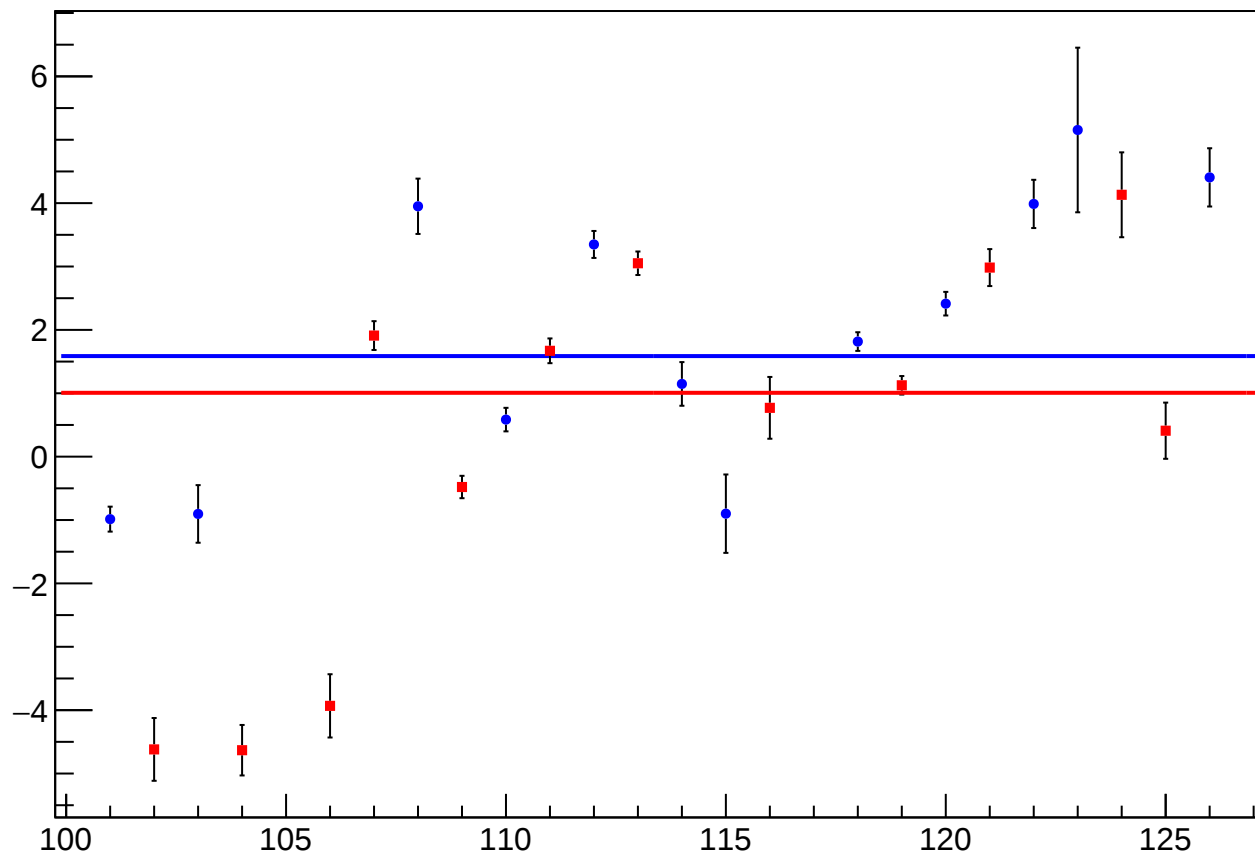
Right: 2.240+/-0.076  $\chi^2/\text{NDF}$ : 1135.6/23

In: 2.055+/-0.118  $\chi^2/\text{NDF}$ : 348.4/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.240+/-0.076  $\chi^2/\text{NDF}$ : 1135.6/23

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.587 $\pm$ 0.073  $\chi^2$ /NDF: 452.7/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.007 $\pm$ 0.072  $\chi^2$ /NDF: 717.3/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

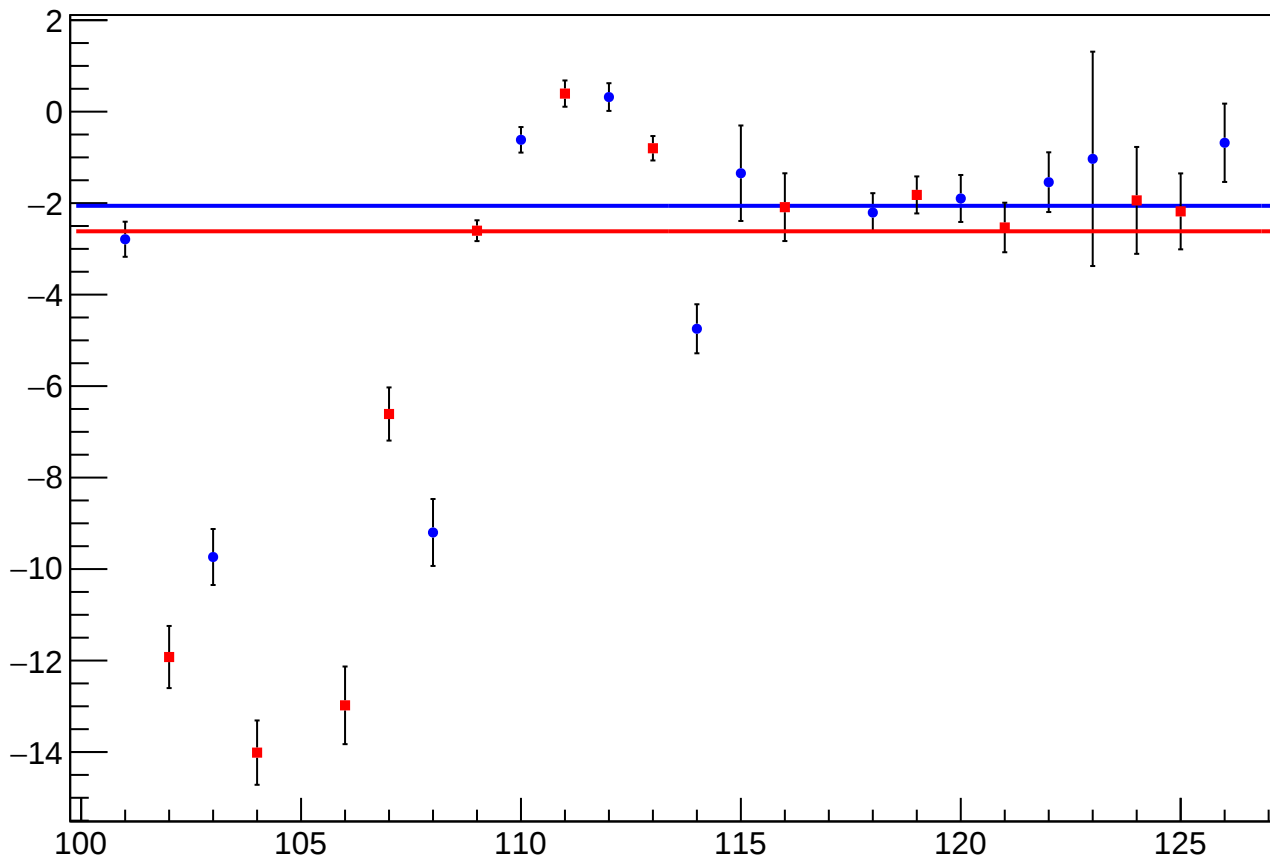
Right: 1.292 $\pm$ 0.052  $\chi^2$ /NDF: 1201.6/23

In: 1.587 $\pm$ 0.073  $\chi^2$ /NDF:452.7/11

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.292 $\pm$ 0.052  $\chi^2$ /NDF: 1201.6/23

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-2.059 \pm 0.138$   $\chi^2/\text{NDF}$ : 373.7/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.616 \pm 0.122$   $\chi^2/\text{NDF}$ : 807.8/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

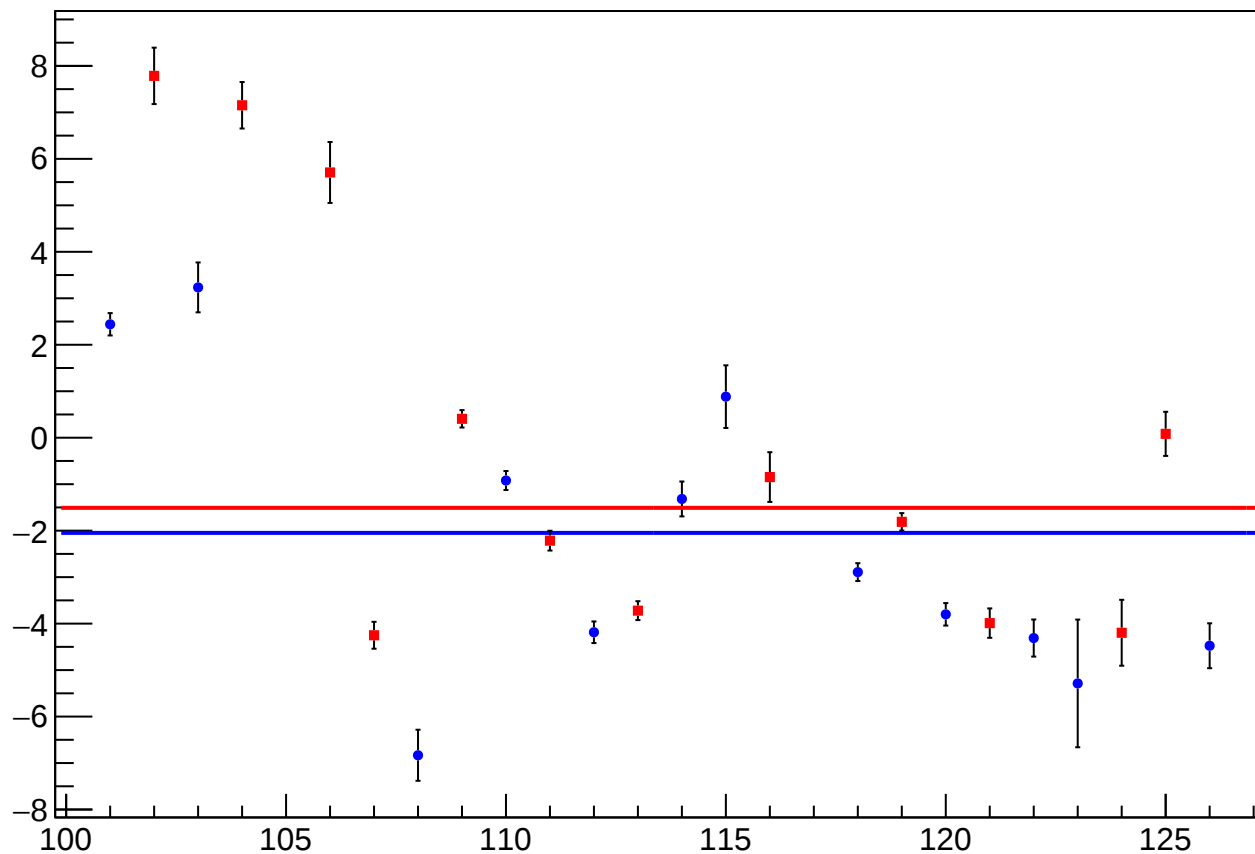
Right:  $-2.372 \pm 0.091$   $\chi^2/\text{NDF}$ : 1190.7/23

In:  $-2.059 \pm 0.138$   $\chi^2/\text{NDF}$ : 373.7/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.372 \pm 0.091$   $\chi^2/\text{NDF}$ : 1190.7/23

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-2.048 \pm 0.087$   $\chi^2/\text{NDF}$ : 793.6/11

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.508 \pm 0.083$   $\chi^2/\text{NDF}$ : 1071.5/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

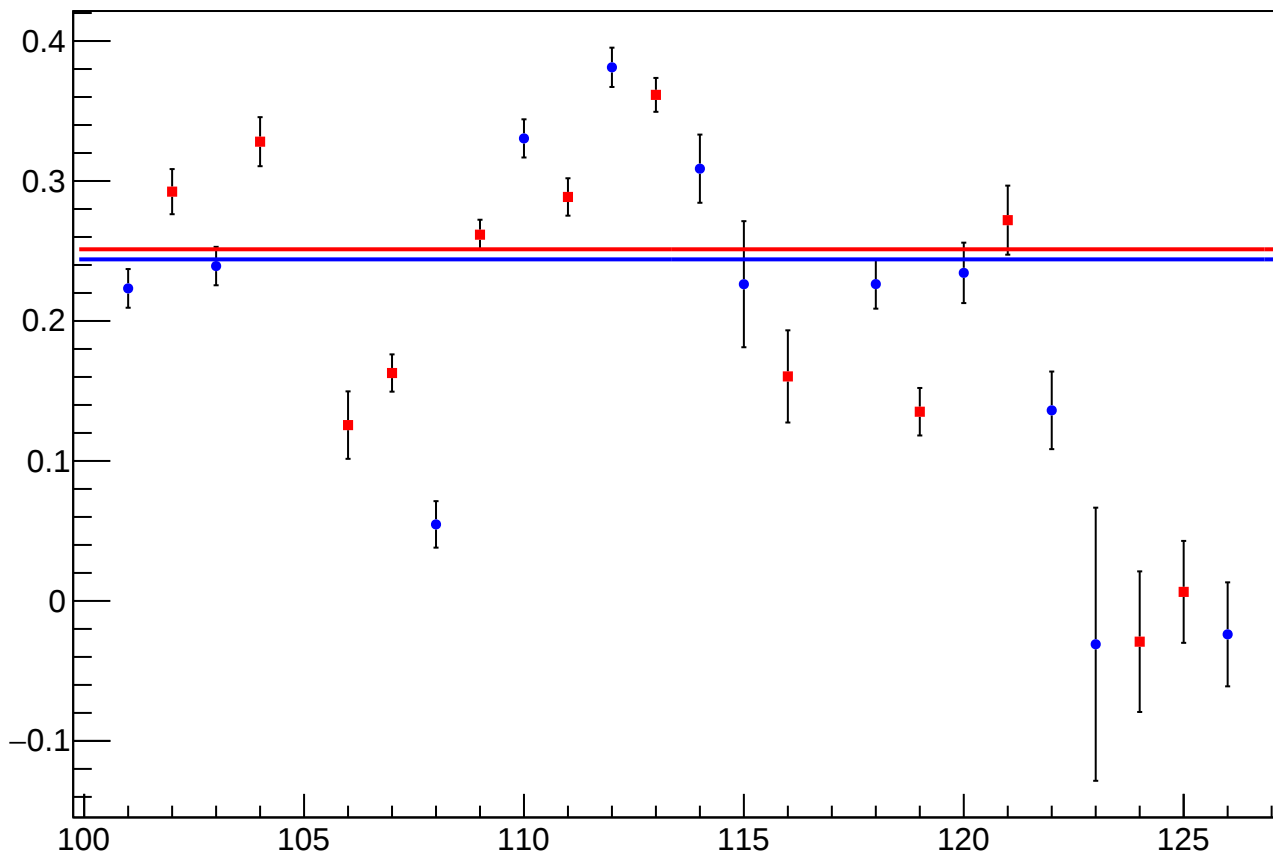
Right:  $-1.765 \pm 0.060$   $\chi^2/\text{NDF}$ : 1885.1/23

In:  $-2.048 \pm 0.087$   $\chi^2/\text{NDF}$ : 793.6/11

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.765 \pm 0.060$   $\chi^2/\text{NDF}$ : 1885.1/23

reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.244+/-0.005  $\chi^2/\text{NDF}$ : 351.5/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.251+/-0.005  $\chi^2/\text{NDF}$ : 320.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.248+/-0.004  $\chi^2/\text{NDF}$ : 672.7/23

In: 0.244+/-0.005  $\chi^2/\text{NDF}$ : 351.5/11

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.248+/-0.004  $\chi^2/\text{NDF}$ : 672.7/23