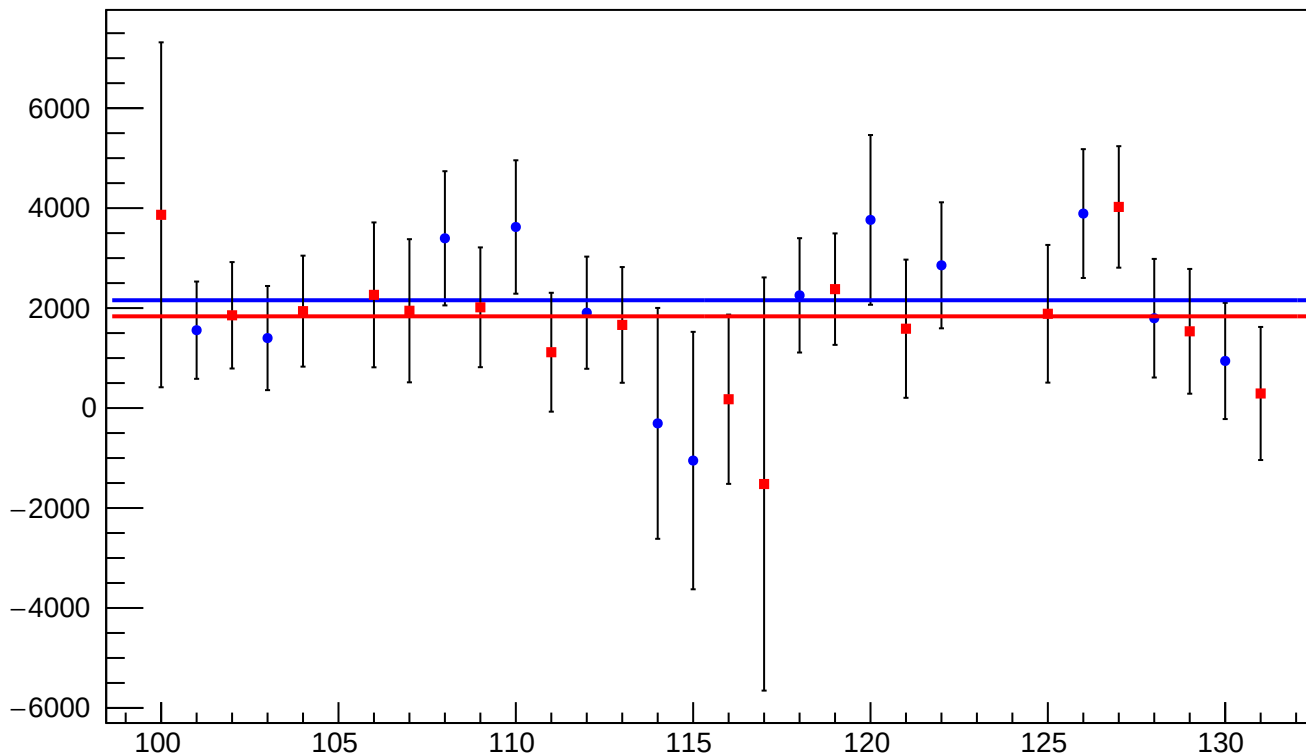


# dit\_asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 2156.851+/-353.147

$\chi^2/\text{NDF}$ : 9.9/12

Left Out: 0.000+/-0.000

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

Right Out: 1834.950+/-332.666

$\chi^2/\text{NDF}$ : 7.4/15

Left In: 0.000+/-0.000

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

2156.851+/-353.147

$\chi^2/\text{NDF}$ : 9.9/12

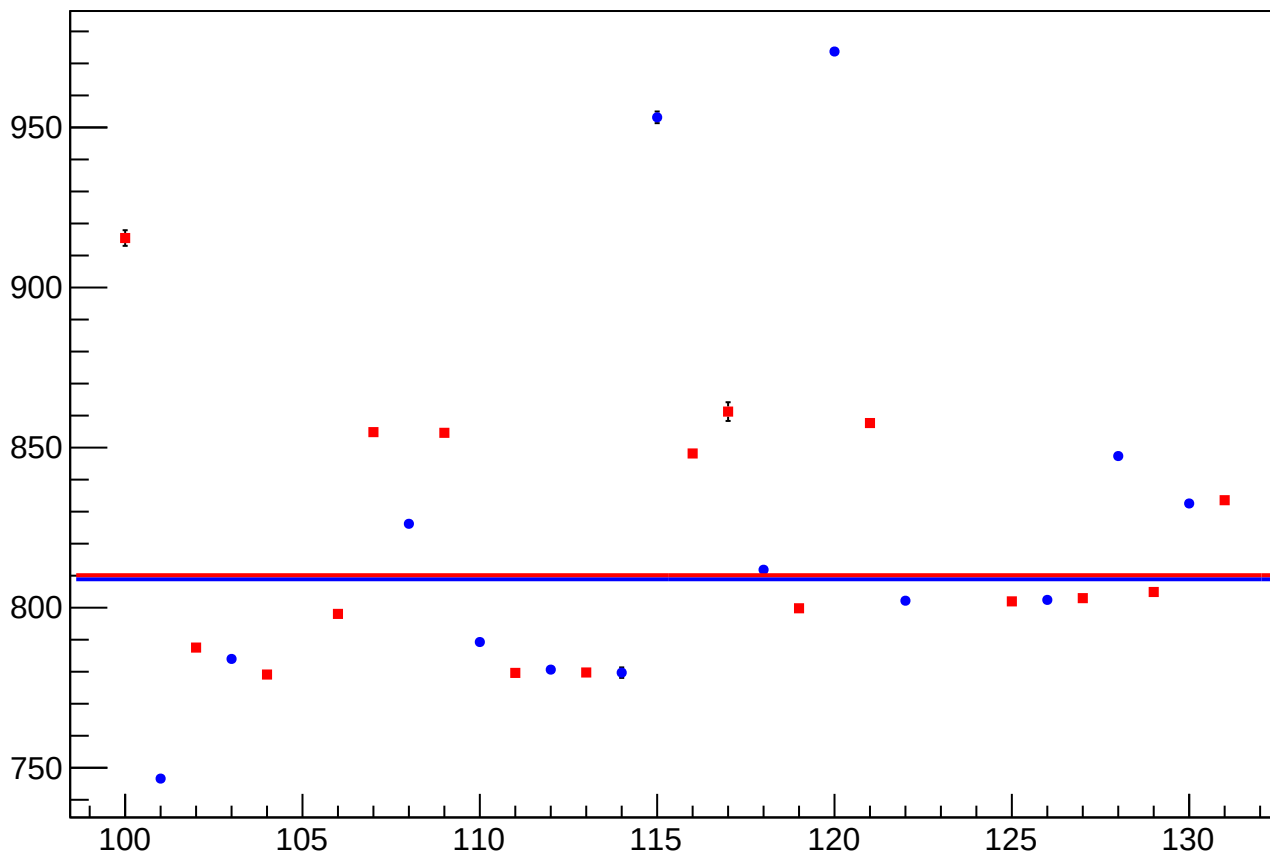
1986.296+/-242.147

$\chi^2/\text{NDF}$ : 17.7/28

1834.950+/-332.666

$\chi^2/\text{NDF}$ : 7.4/15

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



Right In: 808.880 $\pm$ 0.250  $\chi^2$ /NDF: 39854.6/12

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

Right Out: 810.145 $\pm$ 0.235  $\chi^2$ /NDF: 16507.6/15

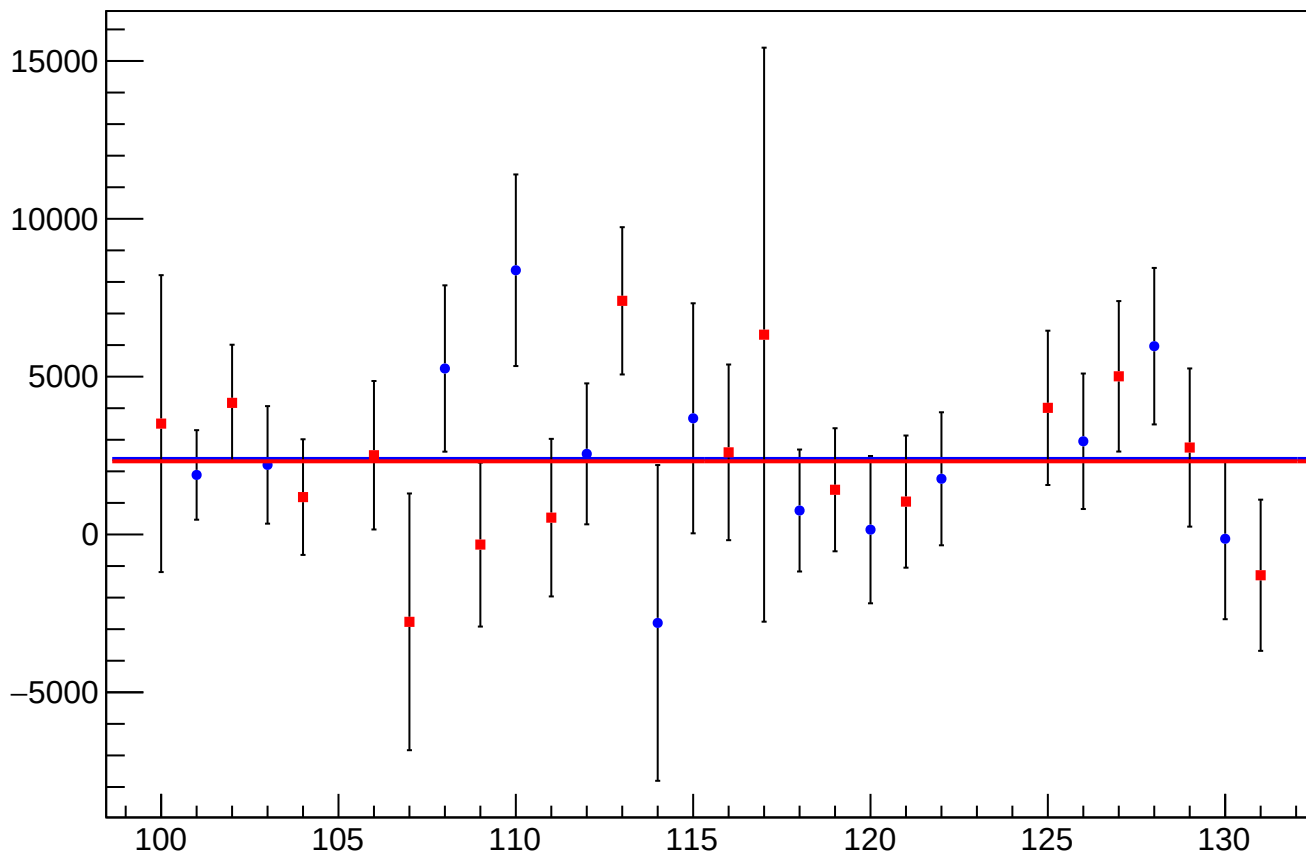
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

808.880 $\pm$ 0.250  $\chi^2$ /NDF: 39854.6/12

809.550 $\pm$ 0.171  $\chi^2$ /NDF: 56375.7/28

810.145 $\pm$ 0.235  $\chi^2$ /NDF: 16507.6/15

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



Right In: 2392.691+/-624.408  $\chi^2/\text{NDF}$ : 11.3/12

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

Right Out: 2317.795+/-610.690  $\chi^2/\text{NDF}$ : 14.2/15

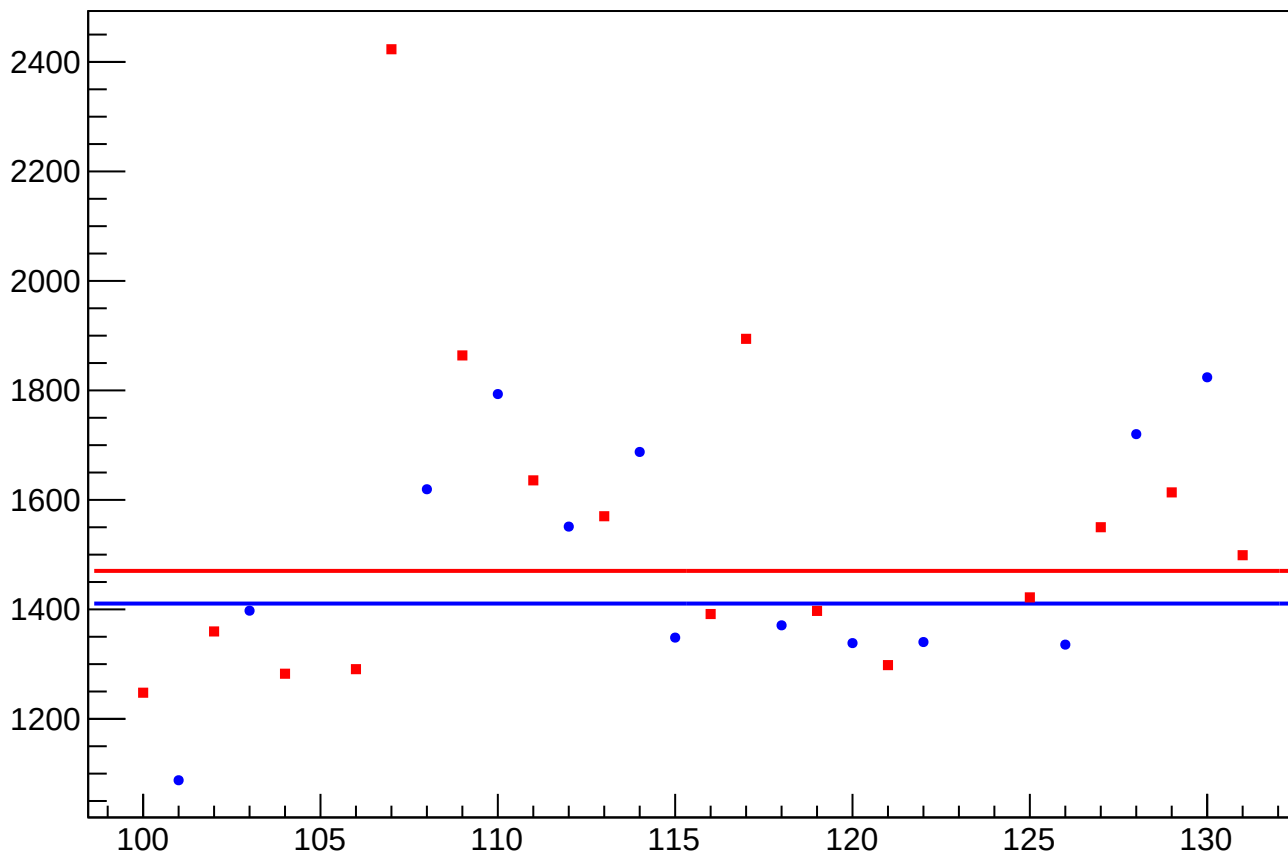
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2392.691+/-624.408  $\chi^2/\text{NDF}$ : 11.3/12

2354.411+/-436.592  $\chi^2/\text{NDF}$ : 25.4/28

2317.795+/-610.690  $\chi^2/\text{NDF}$ : 14.2/15

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



Right In: 1410.645 $\pm$ 0.442  $\chi^2$ /NDF: 253898.4/12

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

Right Out: 1470.304 $\pm$ 0.432  $\chi^2$ /NDF: 244690.1/15

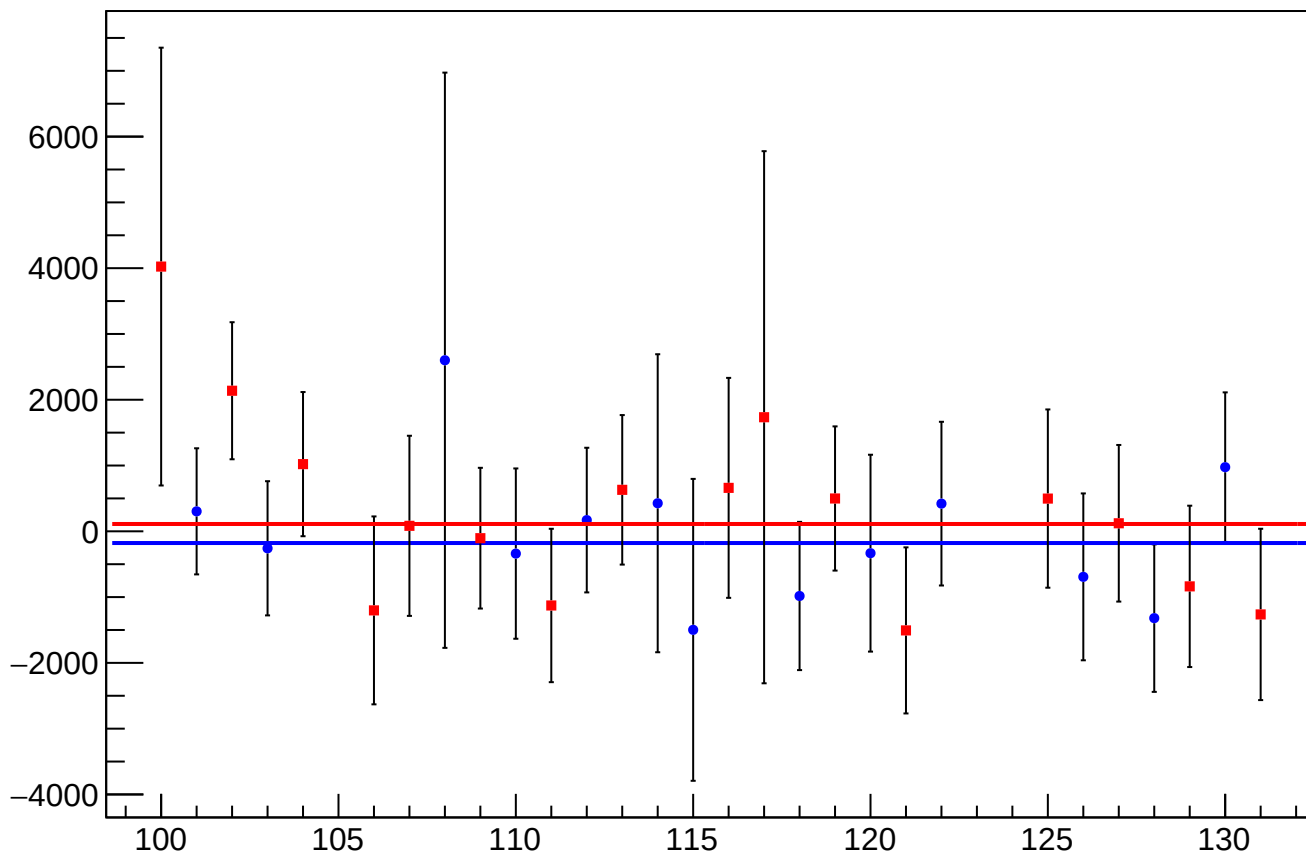
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1410.645 $\pm$ 0.442  $\chi^2$ /NDF: 253898.4/12

1441.137 $\pm$ 0.309  $\chi^2$ /NDF: 507920.2/28

1470.304 $\pm$ 0.432  $\chi^2$ /NDF: 244690.1/15

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



Right In: -178.094+/-353.953  $\chi^2/\text{NDF}$ : 4.2/12

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

Right Out: 111.328+/-322.148  $\chi^2/\text{NDF}$ : 11.9/15

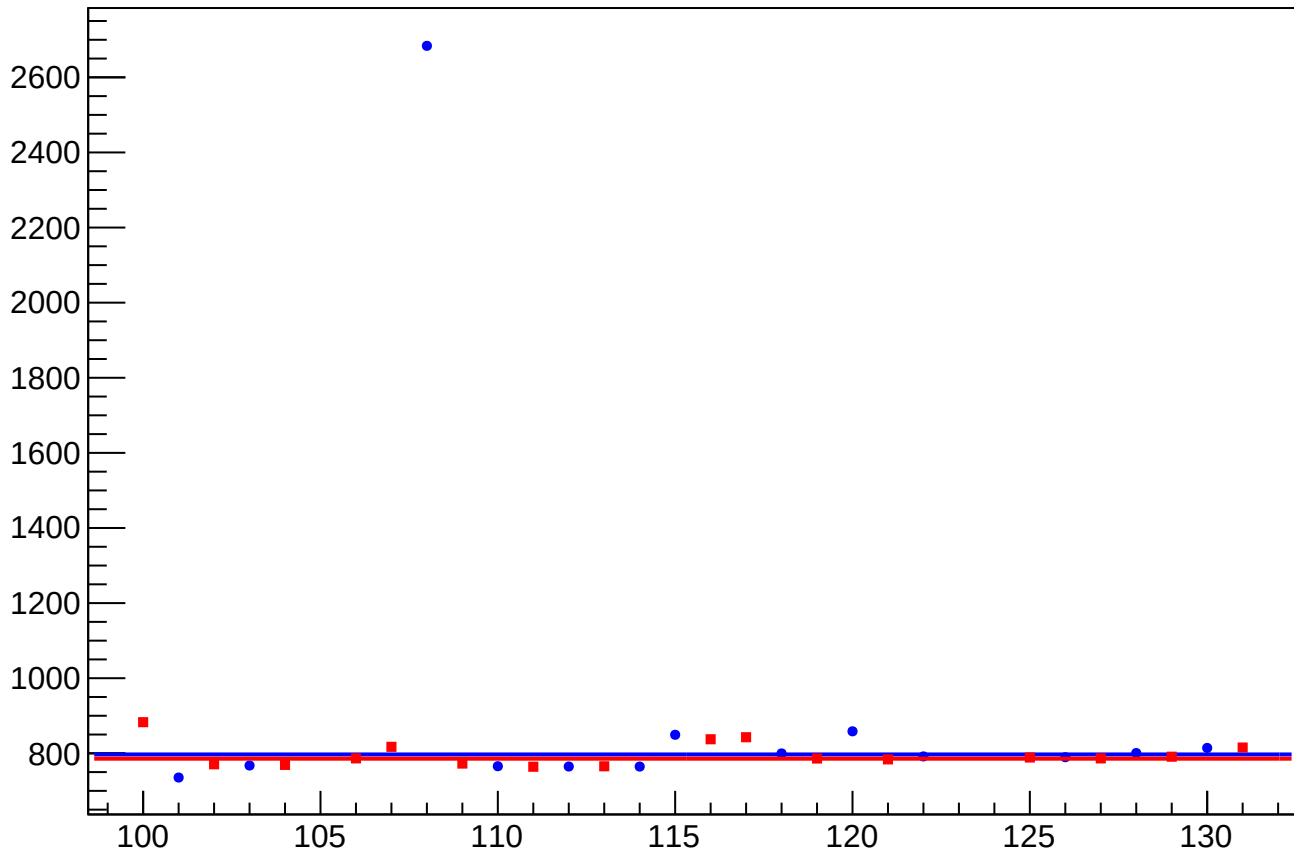
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-178.094+/-353.953  $\chi^2/\text{NDF}$ : 4.2/12

-19.798+/-238.245  $\chi^2/\text{NDF}$ : 16.4/28

111.328+/-322.148  $\chi^2/\text{NDF}$ : 11.9/15

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



Right In: 796.972+/-0.250  $\chi^2/\text{NDF}$ : 390692.7/12

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

Right Out: 785.716+/-0.228  $\chi^2/\text{NDF}$ : 8649.2/15

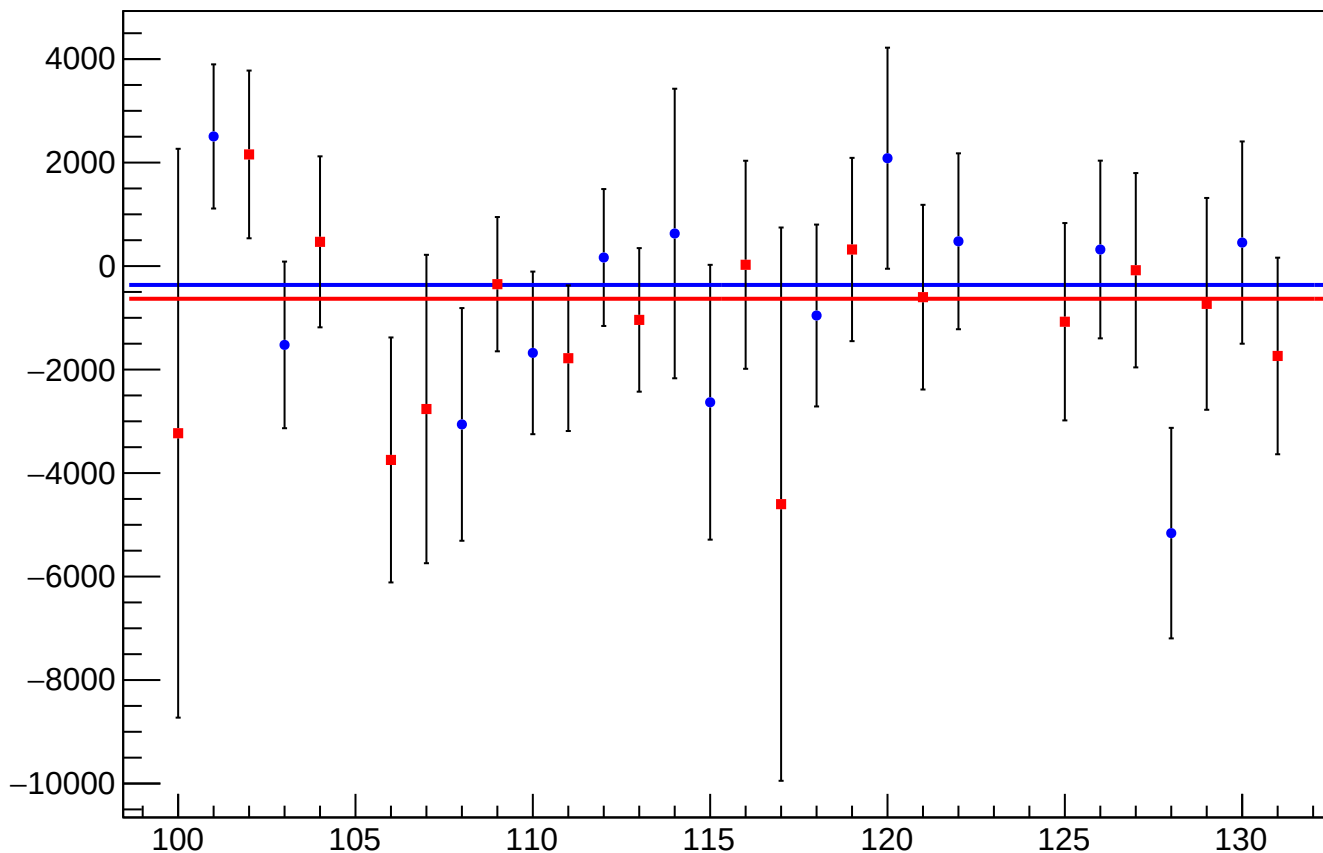
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

796.972+/-0.250  $\chi^2/\text{NDF}$ : 390692.7/12

790.816+/-0.168  $\chi^2/\text{NDF}$ : 400448.0/28

785.716+/-0.228  $\chi^2/\text{NDF}$ : 8649.2/15

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



Right In: -364.424+/-495.291  $\chi^2/\text{NDF}$ : 15.5/12

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

Right Out: -631.744+/-462.266  $\chi^2/\text{NDF}$ : 8.1/15

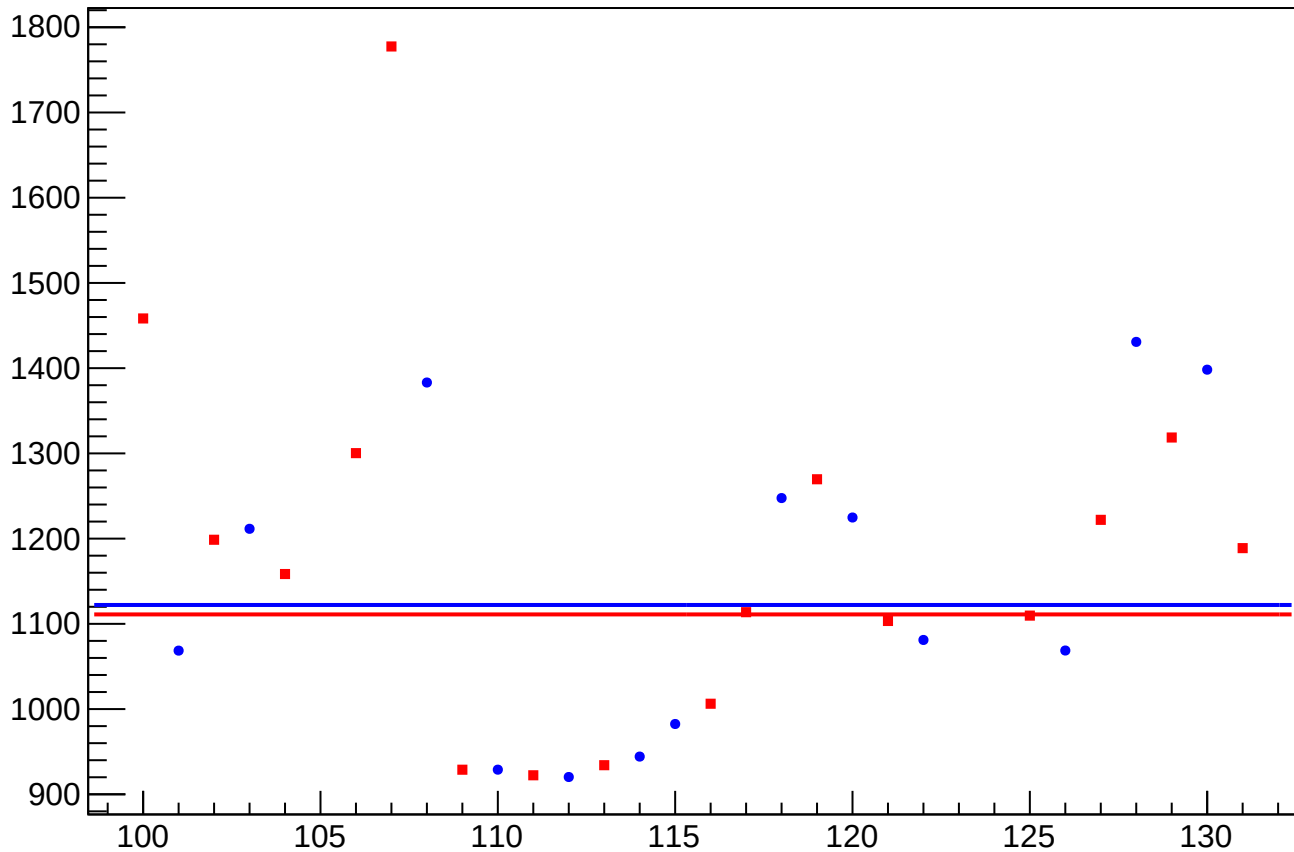
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-364.424+/-495.291  $\chi^2/\text{NDF}$ : 15.5/12

-507.293+/-337.944  $\chi^2/\text{NDF}$ : 23.7/28

-631.744+/-462.266  $\chi^2/\text{NDF}$ : 8.1/15

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



Right In: 1122.151+/-0.350  $\chi^2/\text{NDF}$ : 230360.1/12

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

Right Out: 1111.069+/-0.327  $\chi^2/\text{NDF}$ : 288651.1/15

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

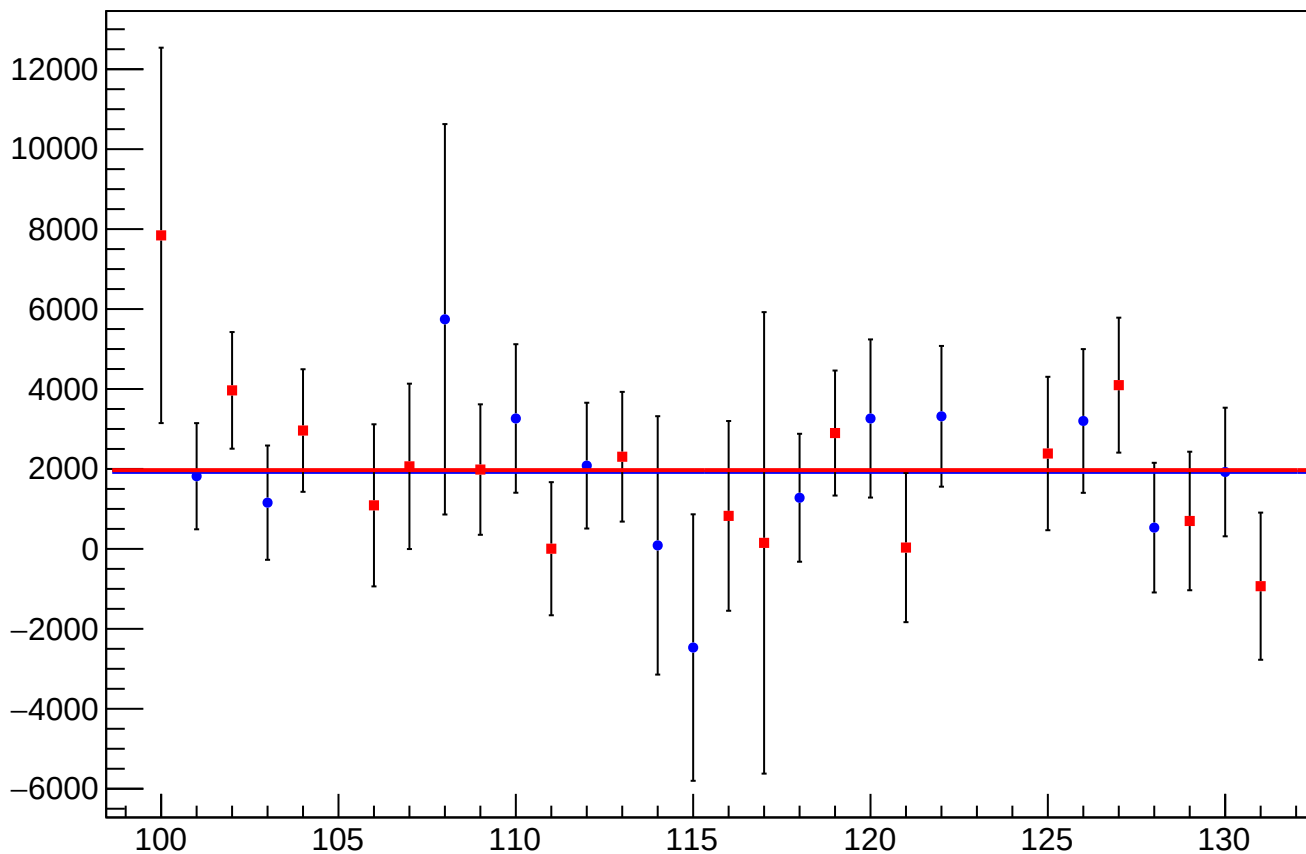
1122.151+/-0.350  $\chi^2/\text{NDF}$ : 230360.1/12

1116.228+/-0.239  $\chi^2/\text{NDF}$ : 519546.2/28

1111.069+/-0.327  $\chi^2/\text{NDF}$ : 288651.1/15



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



Right In: 1926.629+/-498.609  $\chi^2/\text{NDF}$ : 6.0/12

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

Right Out: 1970.368+/-461.872  $\chi^2/\text{NDF}$ : 11.9/15

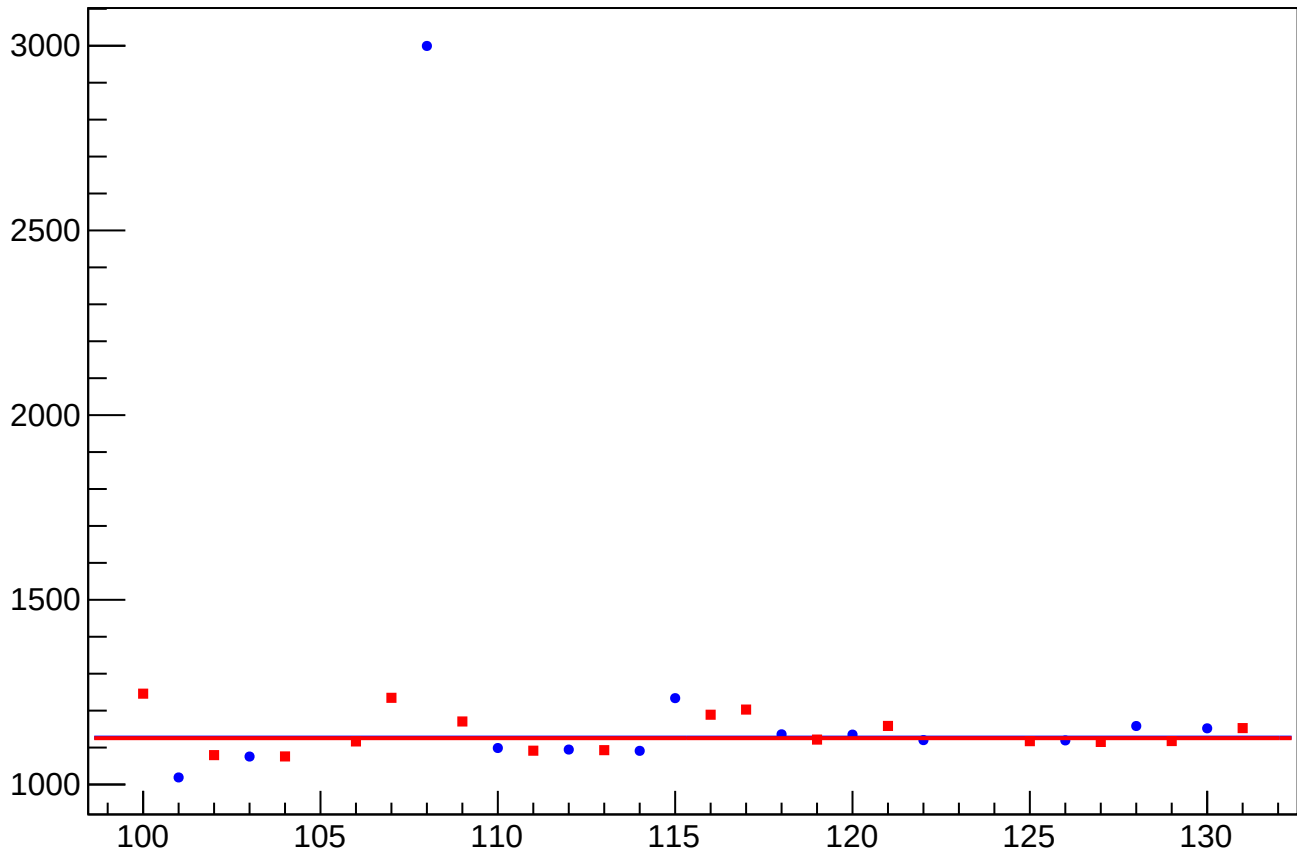
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1926.629+/-498.609  $\chi^2/\text{NDF}$ : 6.0/12

1950.169+/-338.837  $\chi^2/\text{NDF}$ : 17.9/28

1970.368+/-461.872  $\chi^2/\text{NDF}$ : 11.9/15

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



Right In: 1126.922 $\pm$ 0.353  $\chi^2$ /NDF: 314831.0/12

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

Right Out: 1125.399 $\pm$ 0.327  $\chi^2$ /NDF: 17173.6/15

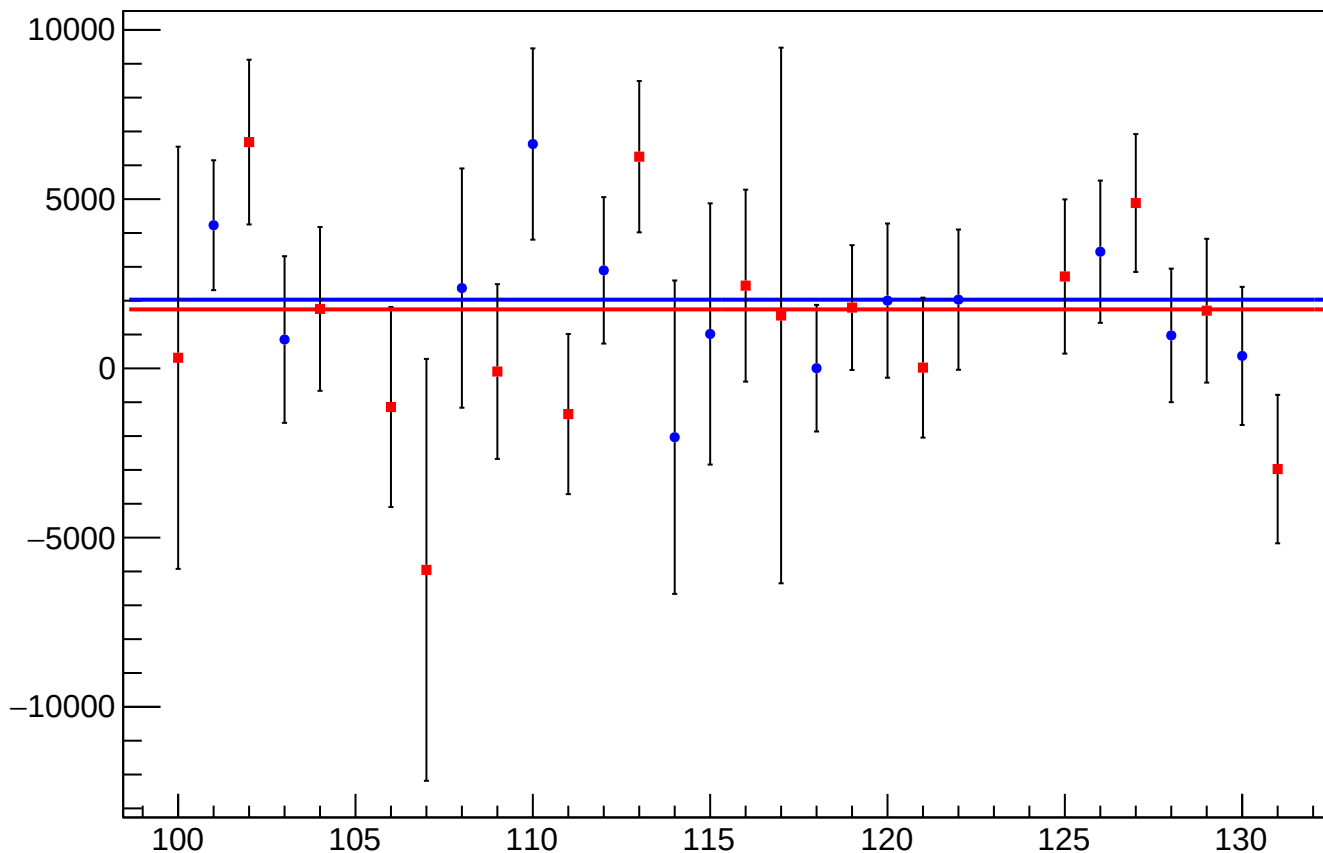
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1126.922 $\pm$ 0.353  $\chi^2$ /NDF: 314831.0/12

1126.102 $\pm$ 0.240  $\chi^2$ /NDF: 332014.7/28

1125.399 $\pm$ 0.327  $\chi^2$ /NDF: 17173.6/15

# asym\_usl\_mean vs Slug, Sign Corrected



Right In: 2030.427 $\pm$ 644.907  $\chi^2$ /NDF: 7.8/12

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

Right Out: 1742.786 $\pm$ 624.254  $\chi^2$ /NDF: 20.9/15

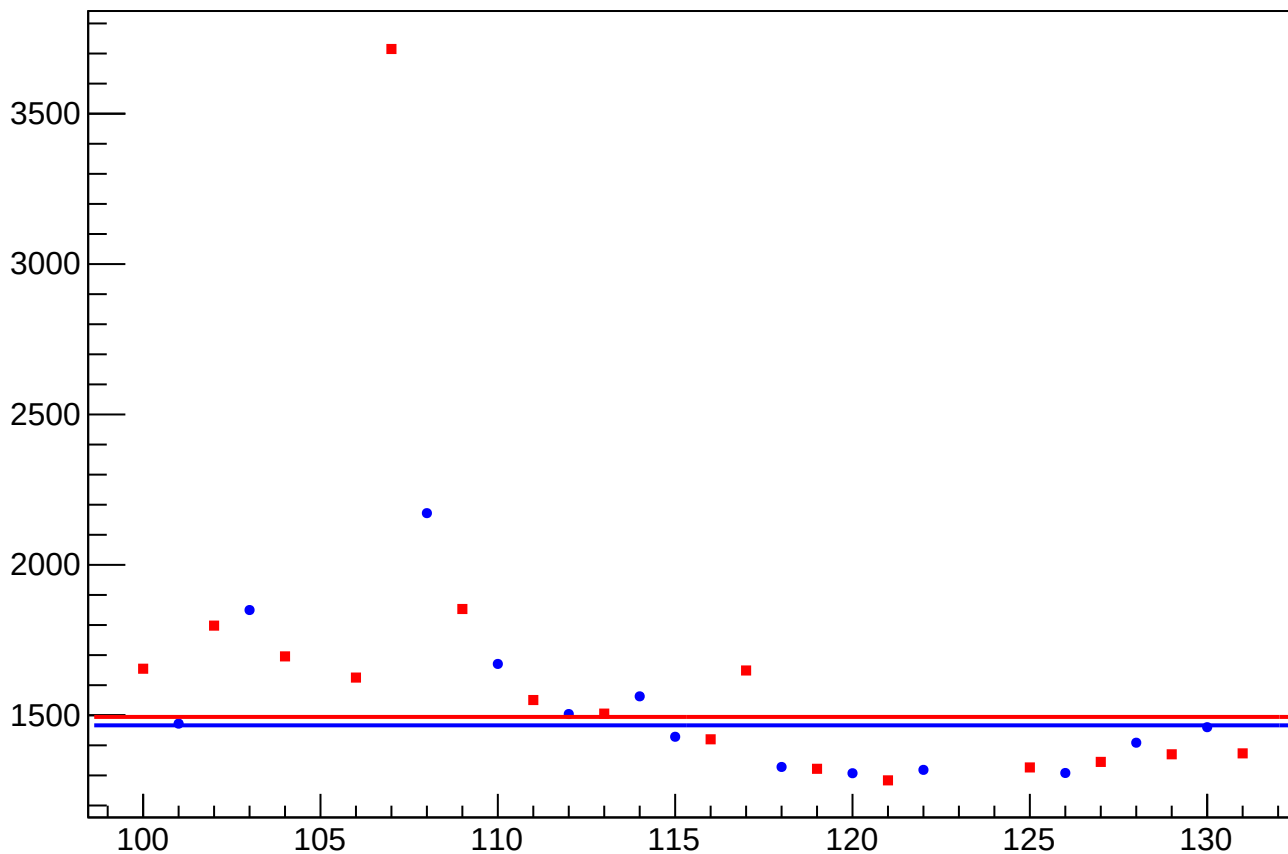
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2030.427 $\pm$ 644.907  $\chi^2$ /NDF: 7.8/12

1881.927 $\pm$ 448.538  $\chi^2$ /NDF: 28.8/28

1742.786 $\pm$ 624.254  $\chi^2$ /NDF: 20.9/15

# asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1466.482 $\pm$ 0.456  $\chi^2$ /NDF: 184296.7/12

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

Right Out: 1494.482 $\pm$ 0.441  $\chi^2$ /NDF: 418960.4/15

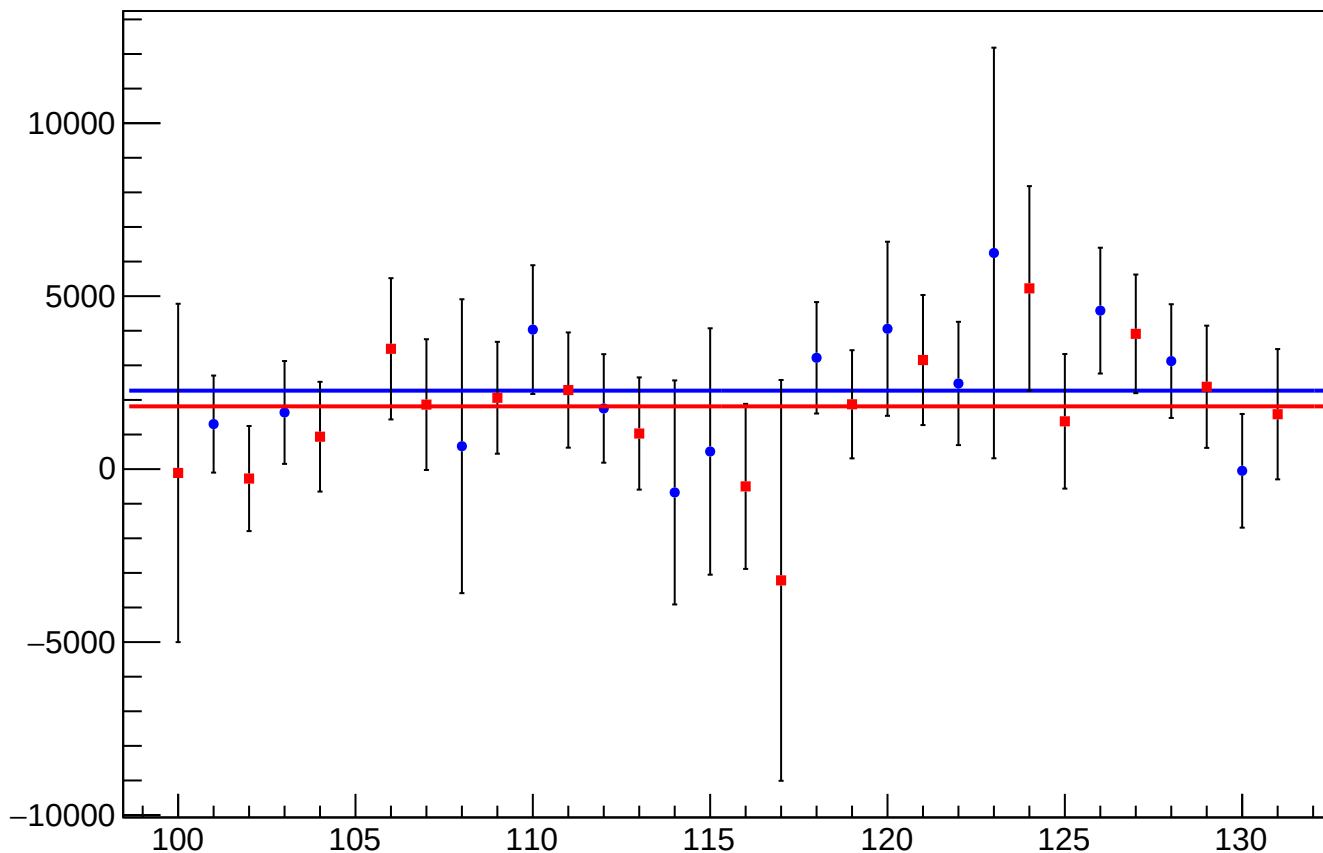
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1466.482 $\pm$ 0.456  $\chi^2$ /NDF: 184296.7/12

1480.938 $\pm$ 0.317  $\chi^2$ /NDF: 605203.5/28

1494.482 $\pm$ 0.441  $\chi^2$ /NDF: 418960.4/15

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



Right In: 2268.559 $\pm$ 511.978  $\chi^2$ /NDF: 8.1/13

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

Right Out: 1814.342 $\pm$ 459.579  $\chi^2$ /NDF: 8.5/16

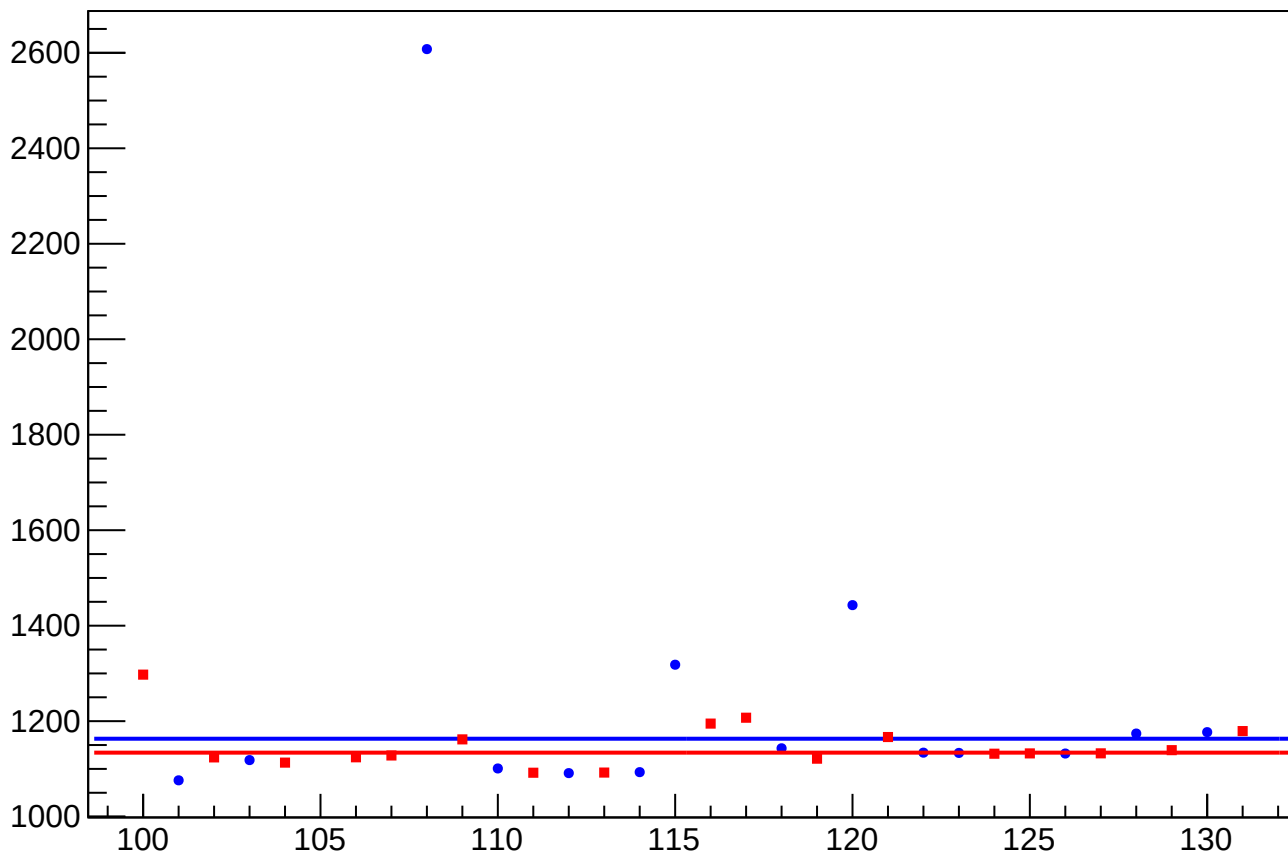
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2268.559 $\pm$ 511.978  $\chi^2$ /NDF: 8.1/13

2017.024 $\pm$ 342.001  $\chi^2$ /NDF: 17.0/30

1814.342 $\pm$ 459.579  $\chi^2$ /NDF: 8.5/16

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



Right In: 1163.202 $\pm$ 0.362  $\chi^2$ /NDF: 278426.5/13

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

Right Out: 1134.053 $\pm$ 0.325  $\chi^2$ /NDF: 9449.9/16

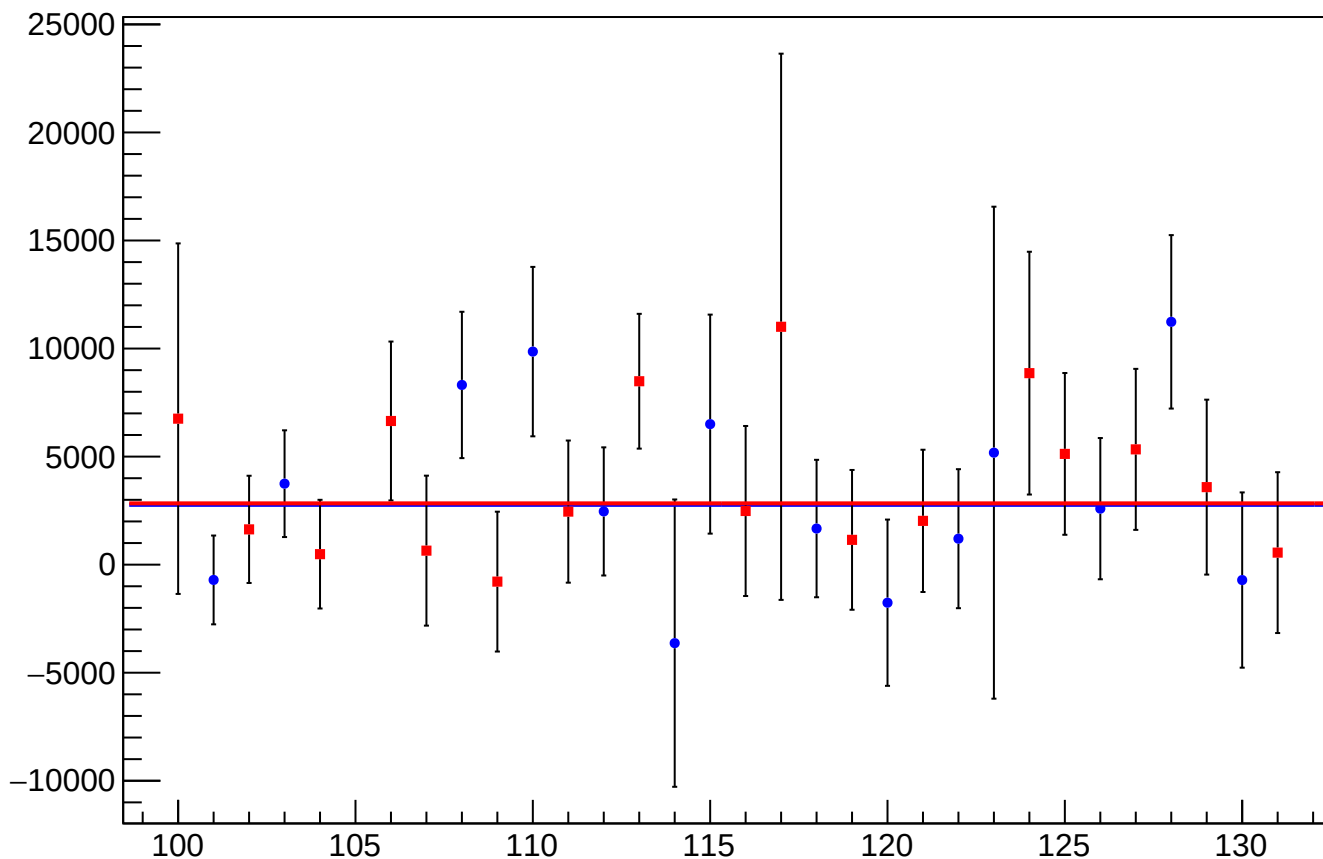
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1163.202 $\pm$ 0.362  $\chi^2$ /NDF: 278426.5/13

1147.060 $\pm$ 0.242  $\chi^2$ /NDF: 291466.4/30

1134.053 $\pm$ 0.325  $\chi^2$ /NDF: 9449.9/16

# asym\_usr\_mean vs Slug, Sign Corrected



Right In: 2767.344+/-906.916  $\chi^2/\text{NDF}$ : 17.4/13

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

Right Out: 2836.711+/-860.392  $\chi^2/\text{NDF}$ : 10.5/16

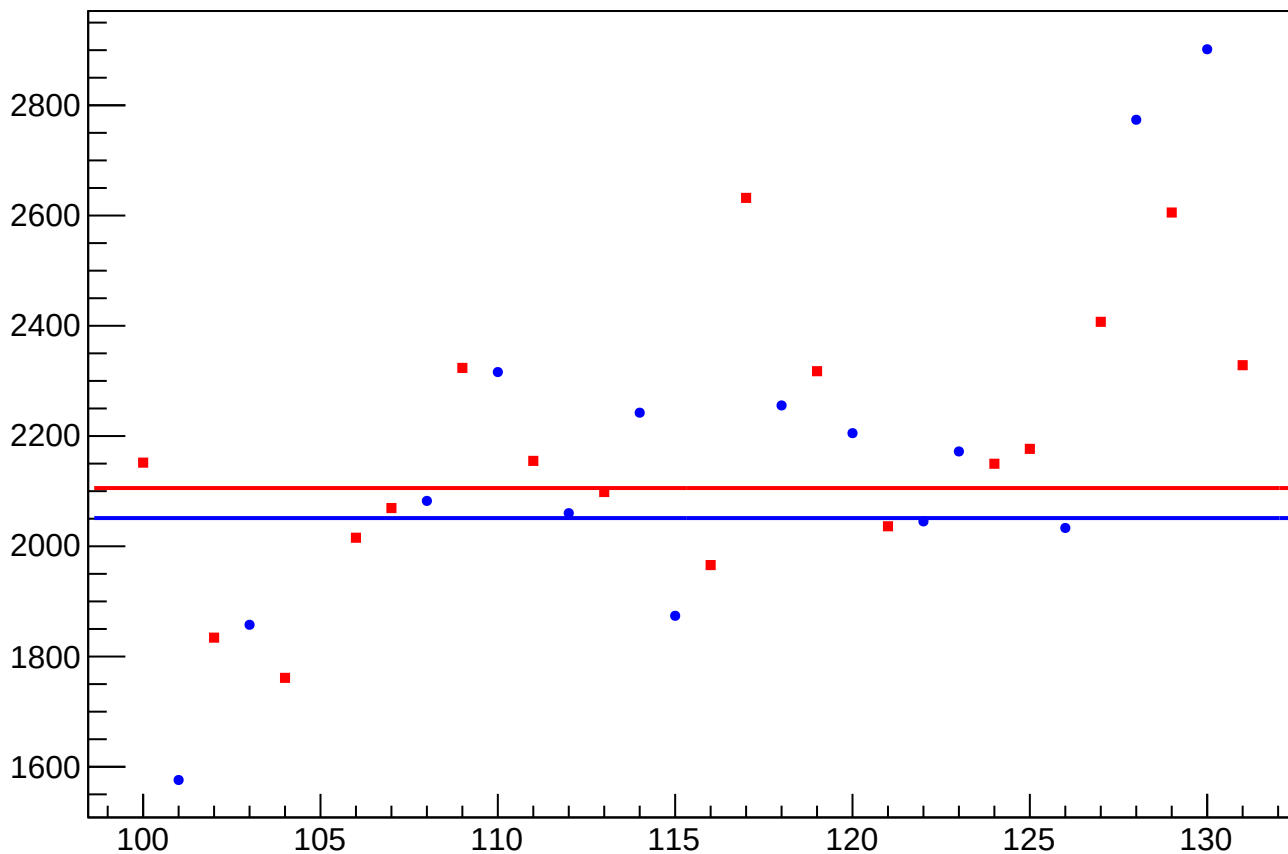
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2767.344+/-906.916  $\chi^2/\text{NDF}$ : 17.4/13

2803.852+/-624.188  $\chi^2/\text{NDF}$ : 27.9/30

2836.711+/-860.392  $\chi^2/\text{NDF}$ : 10.5/16

# asym\_usr\_rms vs Slug, Sign Corrected



Right In: 2051.180+/-0.641  $\chi^2/\text{NDF}$ : 297196.8/13

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

Right Out: 2105.680+/-0.608  $\chi^2/\text{NDF}$ : 139540.9/16

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

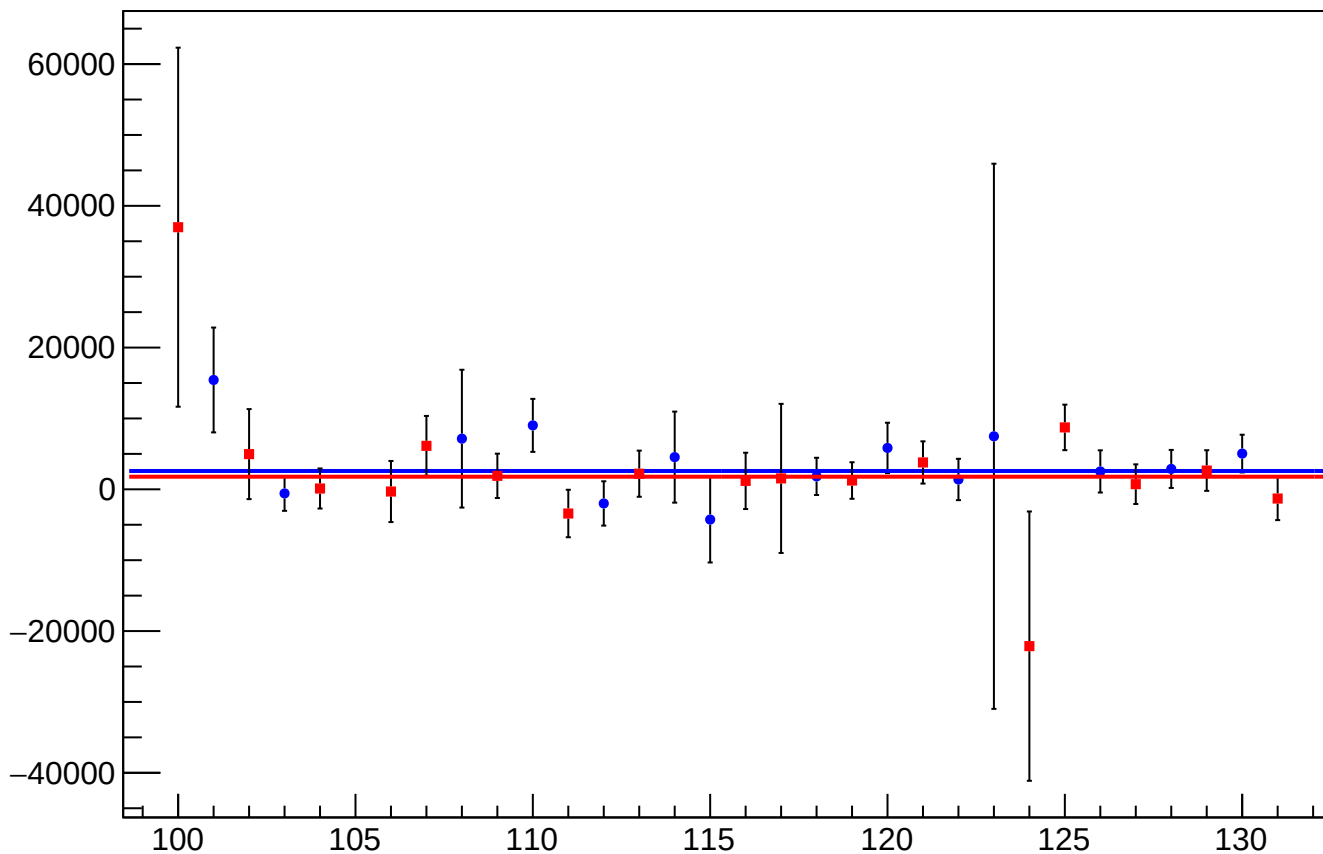
2051.180+/-0.641  $\chi^2/\text{NDF}$ : 297196.8/13

2079.864+/-0.441  $\chi^2/\text{NDF}$ : 440538.9/30

2105.680+/-0.608  $\chi^2/\text{NDF}$ : 139540.9/16



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



Right In: 2587.545+/-930.593  $\chi^2/\text{NDF}$ : 13.3/13

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

Right Out: 1780.214+/-863.985  $\chi^2/\text{NDF}$ : 14.3/16

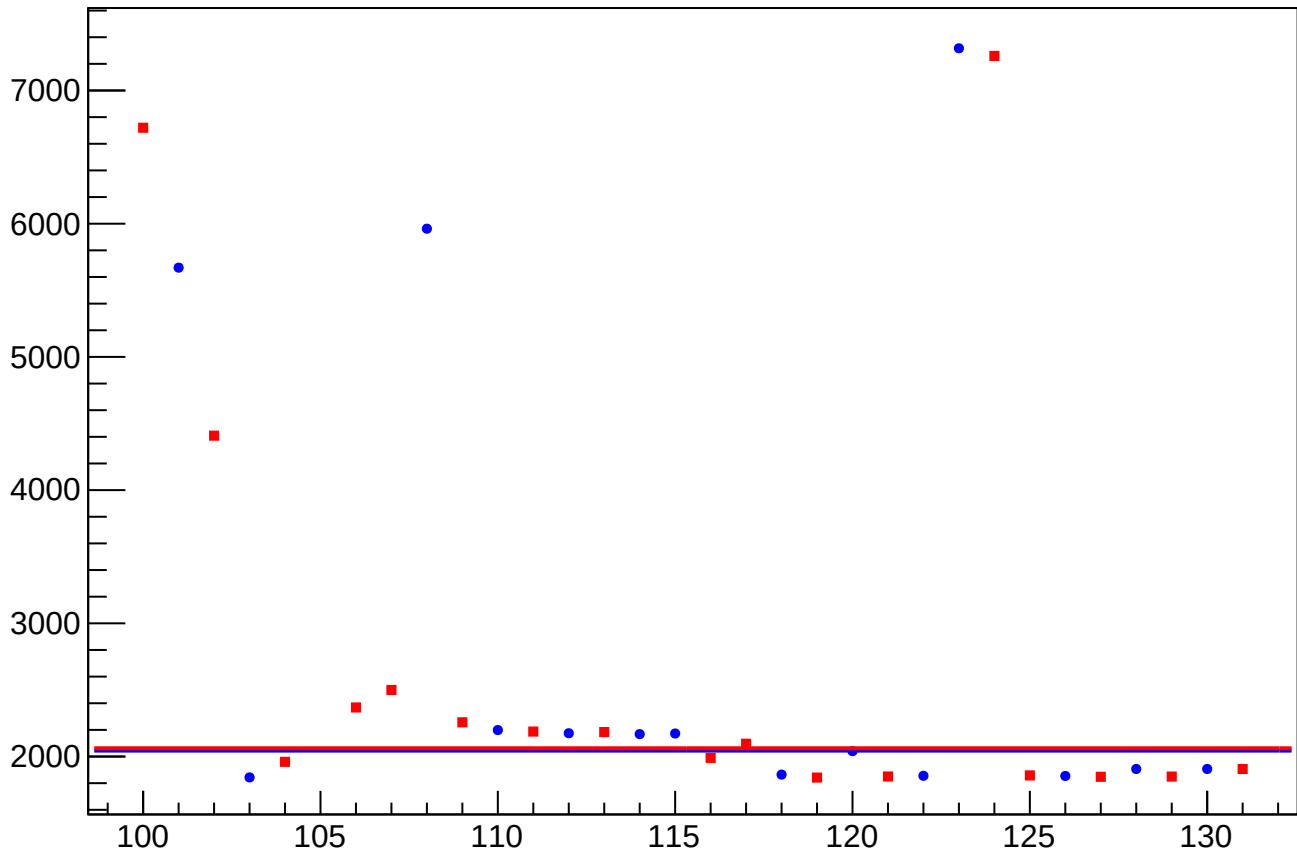
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2587.545+/-930.593  $\chi^2/\text{NDF}$ : 13.3/13

2153.956+/-633.169  $\chi^2/\text{NDF}$ : 28.1/30

1780.214+/-863.985  $\chi^2/\text{NDF}$ : 14.3/16

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



Right In: 2044.622+/-0.658  $\chi^2/\text{NDF}$ : 901535.5/13

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

Right Out: 2061.879+/-0.611  $\chi^2/\text{NDF}$ : 599309.7/16

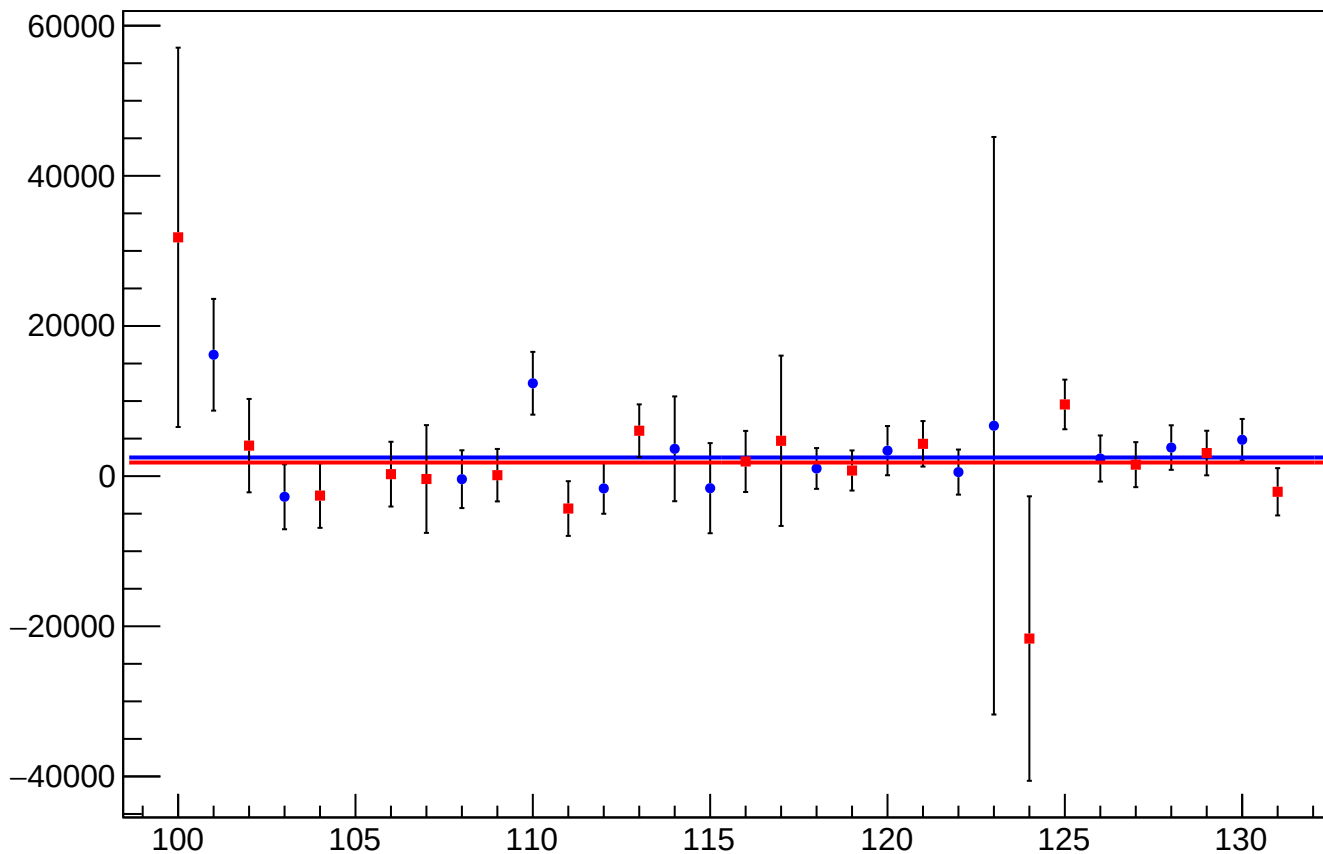
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2044.622+/-0.658  $\chi^2/\text{NDF}$ : 901535.5/13

2053.890+/-0.448  $\chi^2/\text{NDF}$ : 1501214.5/30

2061.879+/-0.611  $\chi^2/\text{NDF}$ : 599309.7/16

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



Right In: 2485.308+/-989.206  $\chi^2/\text{NDF}$ : 14.7/13

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

Right Out: 1813.969+/-940.767  $\chi^2/\text{NDF}$ : 17.0/16

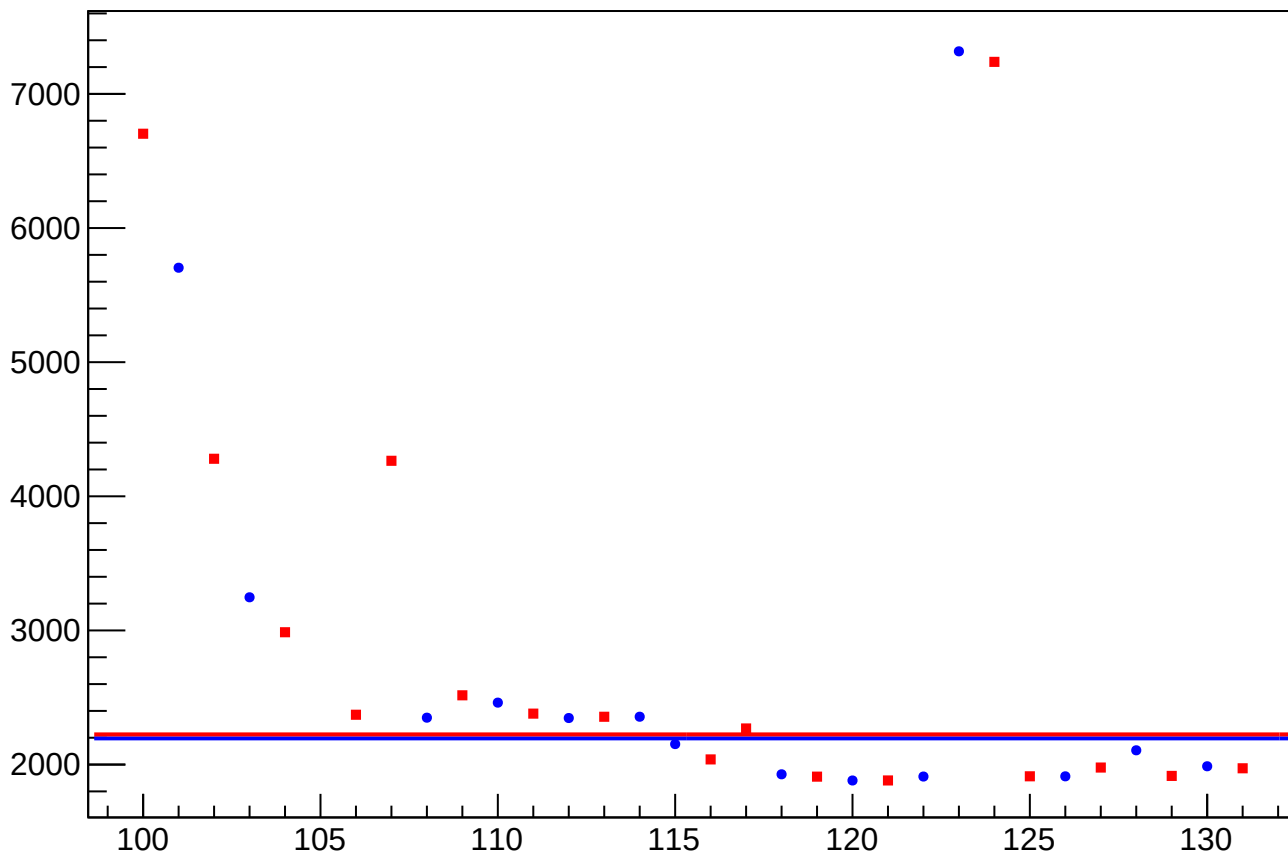
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2485.308+/-989.206  $\chi^2/\text{NDF}$ : 14.7/13

2132.800+/-681.704  $\chi^2/\text{NDF}$ : 31.9/30

1813.969+/-940.767  $\chi^2/\text{NDF}$ : 17.0/16

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



Right In: 2195.304+/-0.699  $\chi^2/\text{NDF}$ : 700817.1/13

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

Right Out: 2224.927+/-0.665  $\chi^2/\text{NDF}$ : 792045.7/16

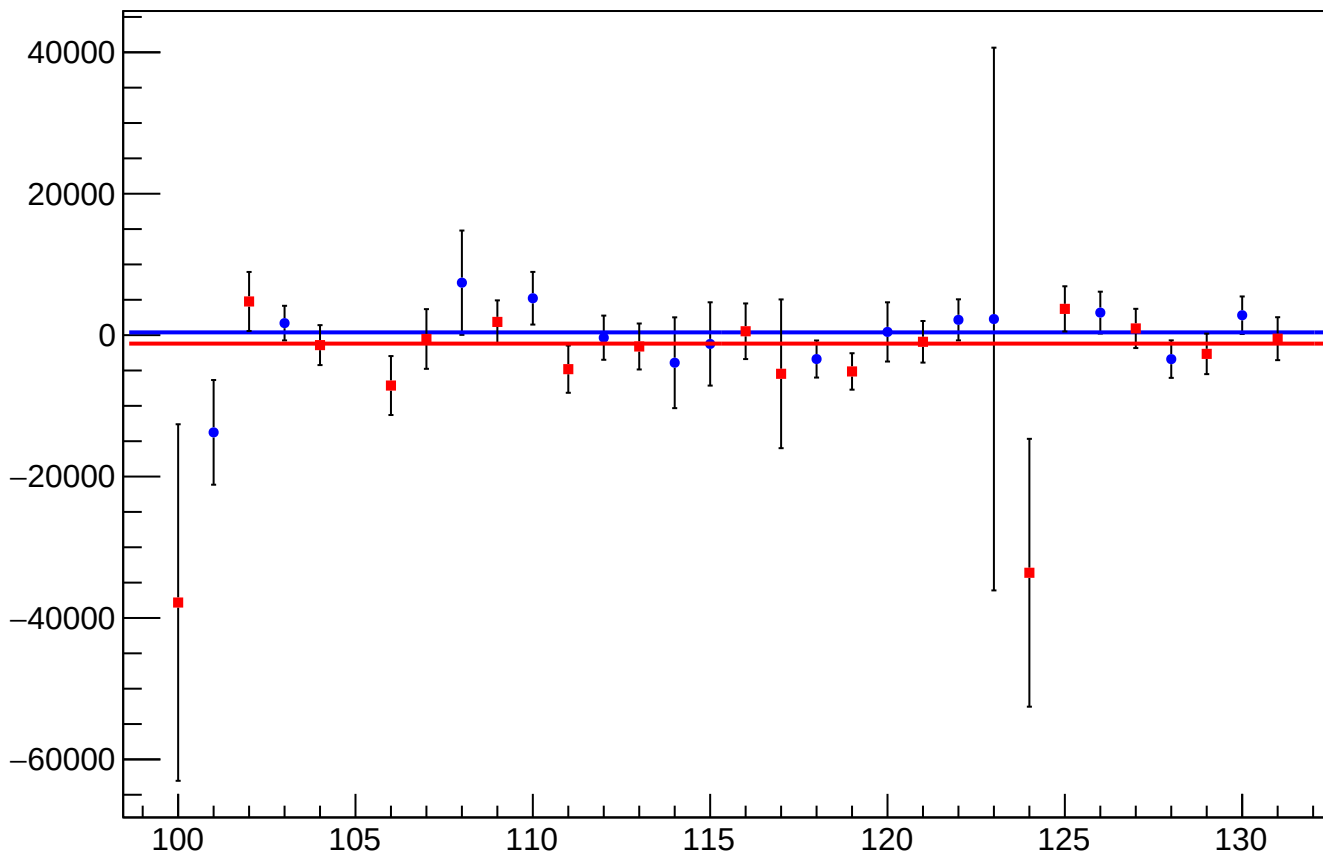
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2195.304+/-0.699  $\chi^2/\text{NDF}$ : 700817.1/13

2210.858+/-0.482  $\chi^2/\text{NDF}$ : 1493804.6/30

2224.927+/-0.665  $\chi^2/\text{NDF}$ : 792045.7/16

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



Right In: 391.658+/-932.277  $\chi^2$ /NDF: 13.3/13

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

Right Out: -1197.559+/-847.993  $\chi^2$ /NDF: 17.3/16

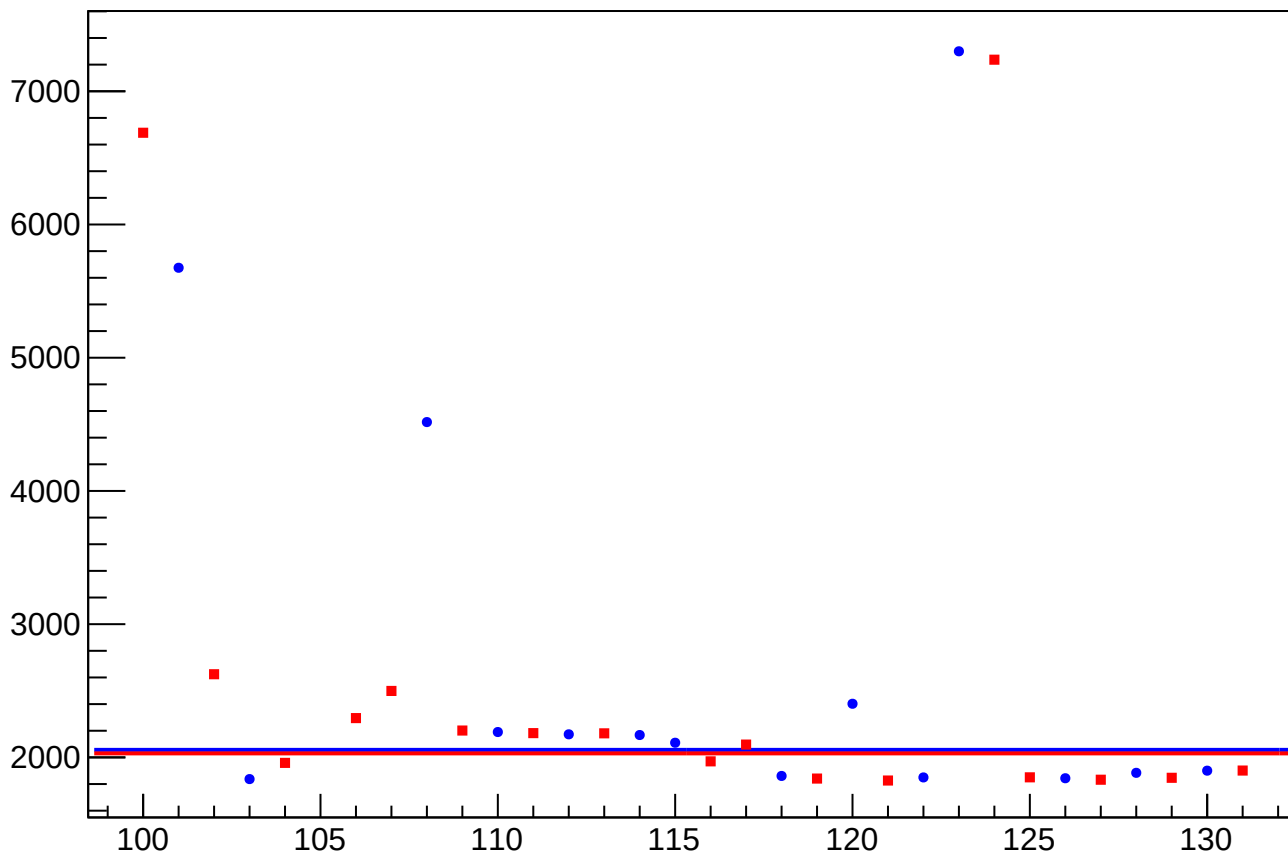
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

391.658+/-932.277  $\chi^2$ /NDF: 13.3/13

-478.021+/-627.307  $\chi^2$ /NDF: 32.2/30

-1197.559+/-847.993  $\chi^2$ /NDF: 17.3/16

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



Right In: 2056.506 $\pm$ 0.659  $\chi^2$ /NDF: 820721.1/13

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

Right Out: 2030.112 $\pm$ 0.600  $\chi^2$ /NDF: 357879.0/16

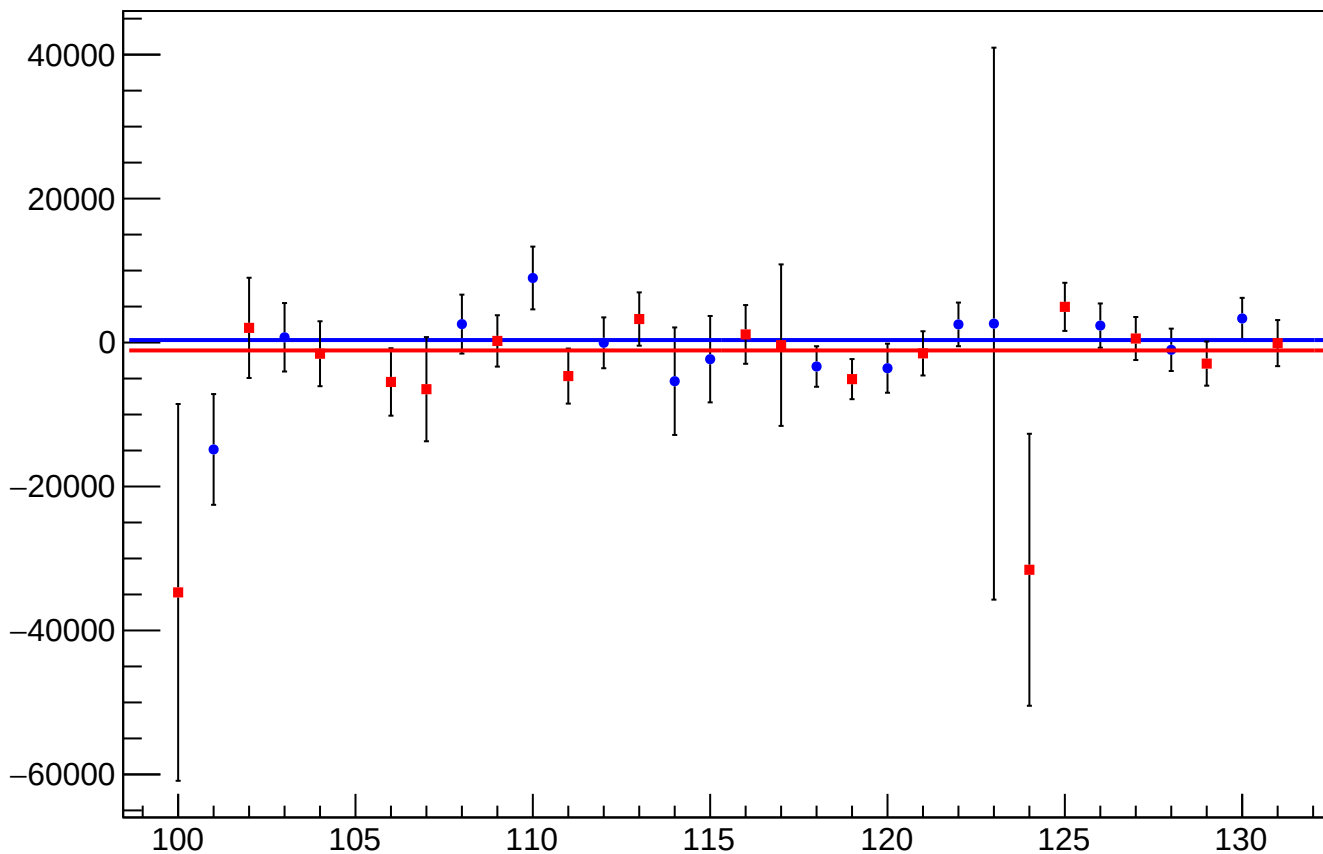
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2056.506 $\pm$ 0.659  $\chi^2$ /NDF: 820721.1/13

2042.063 $\pm$ 0.444  $\chi^2$ /NDF: 1179477.3/30

2030.112 $\pm$ 0.600  $\chi^2$ /NDF: 357879.0/16

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



Right In:  $346.315 \pm 1018.654$   $\chi^2/\text{NDF}$ : 14.2/13

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

Right Out:  $-1096.403 \pm 968.157$   $\chi^2/\text{NDF}$ : 14.7/16

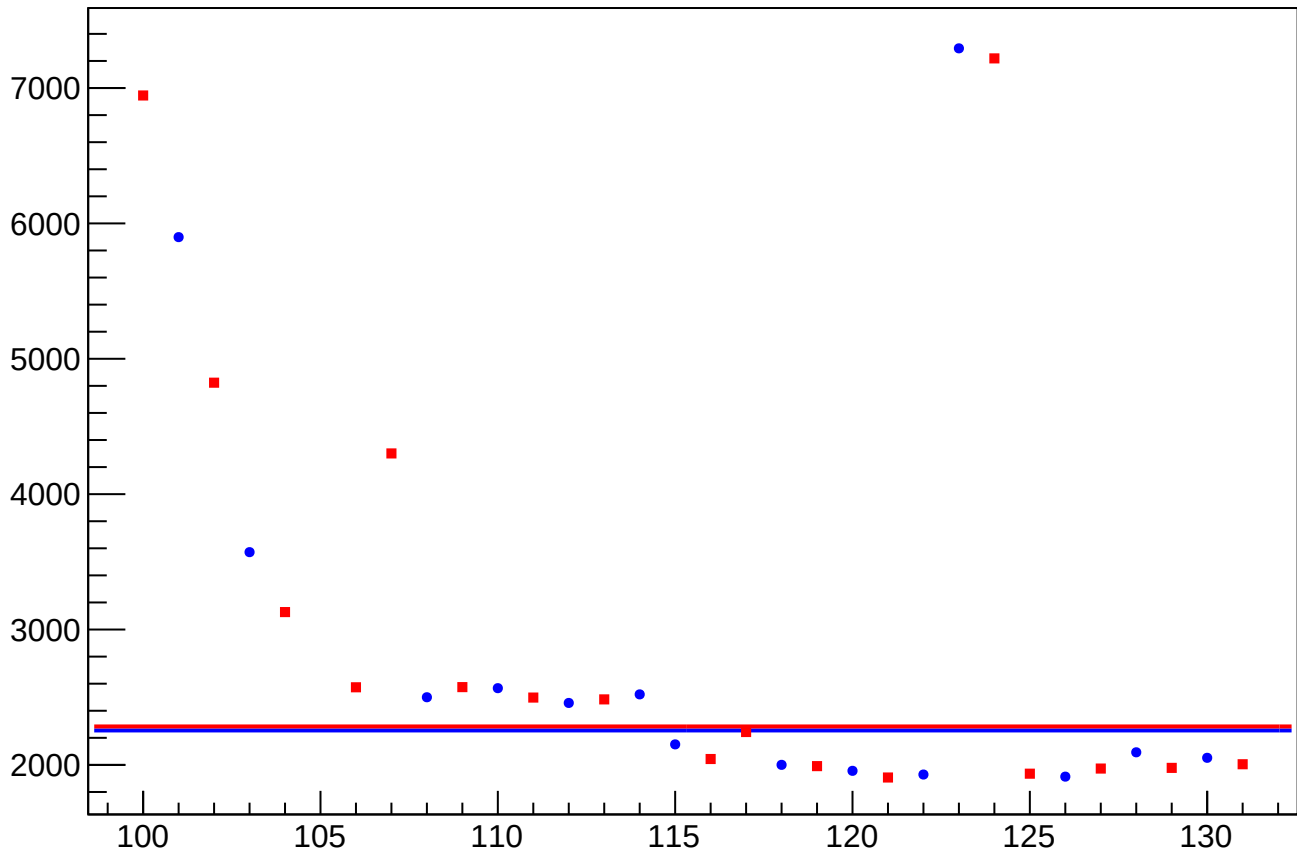
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$346.315 \pm 1018.654$   $\chi^2/\text{NDF}$ : 14.2/13

$-411.689 \pm 701.763$   $\chi^2/\text{NDF}$ : 29.9/30

$-1096.403 \pm 968.157$   $\chi^2/\text{NDF}$ : 14.7/16

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



Right In: 2254.589+/-0.720  $\chi^2/\text{NDF}$ : 759109.7/13

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

Right Out: 2284.057+/-0.685  $\chi^2/\text{NDF}$ : 862322.6/16

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

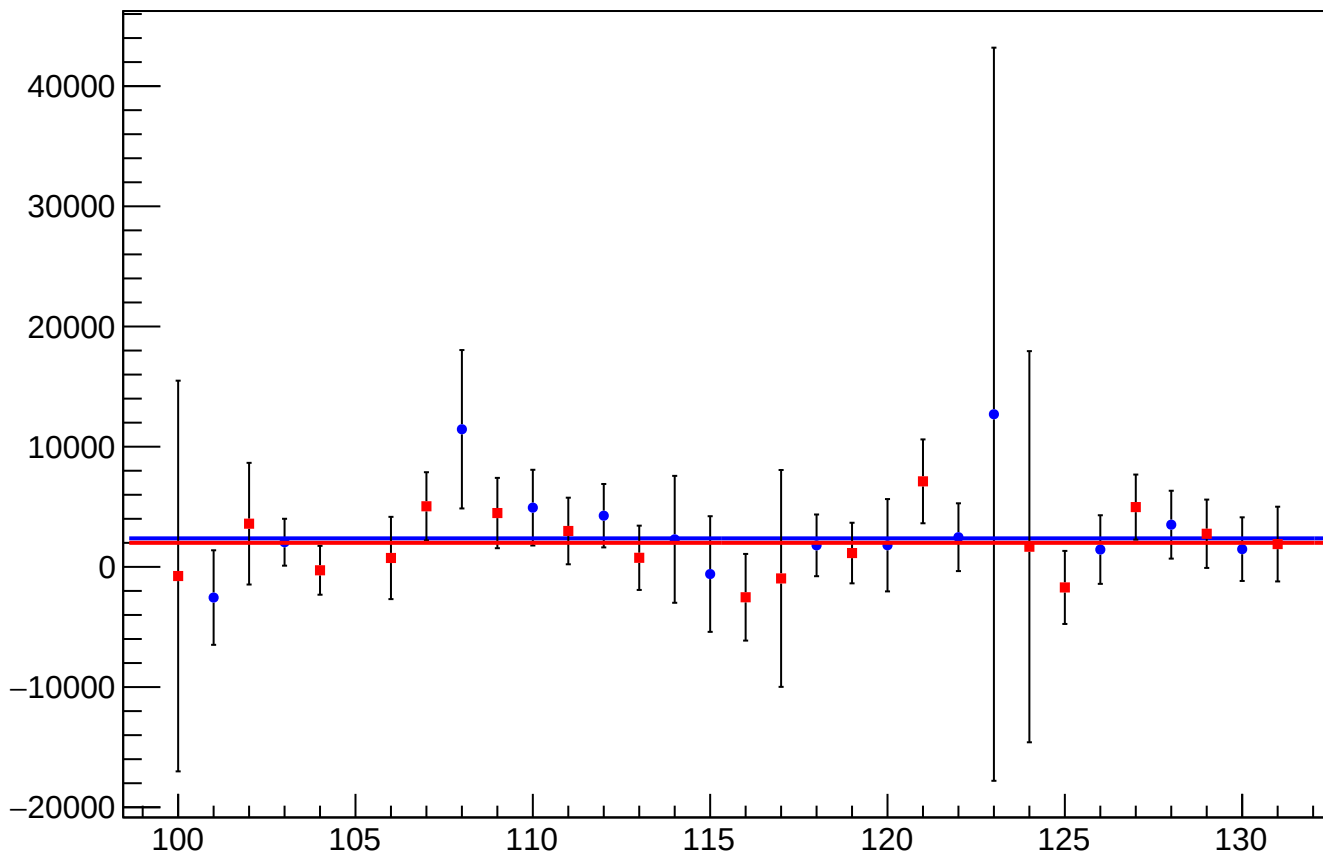
2254.589+/-0.720  $\chi^2/\text{NDF}$ : 759109.7/13

2270.072+/-0.496  $\chi^2/\text{NDF}$ : 1622311.6/30

2284.057+/-0.685  $\chi^2/\text{NDF}$ : 862322.6/16



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



Right In: 2373.488 $\pm$ 841.835  $\chi^2$ /NDF: 5.6/13

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

Right Out: 2001.786 $\pm$ 770.119  $\chi^2$ /NDF: 10.5/16

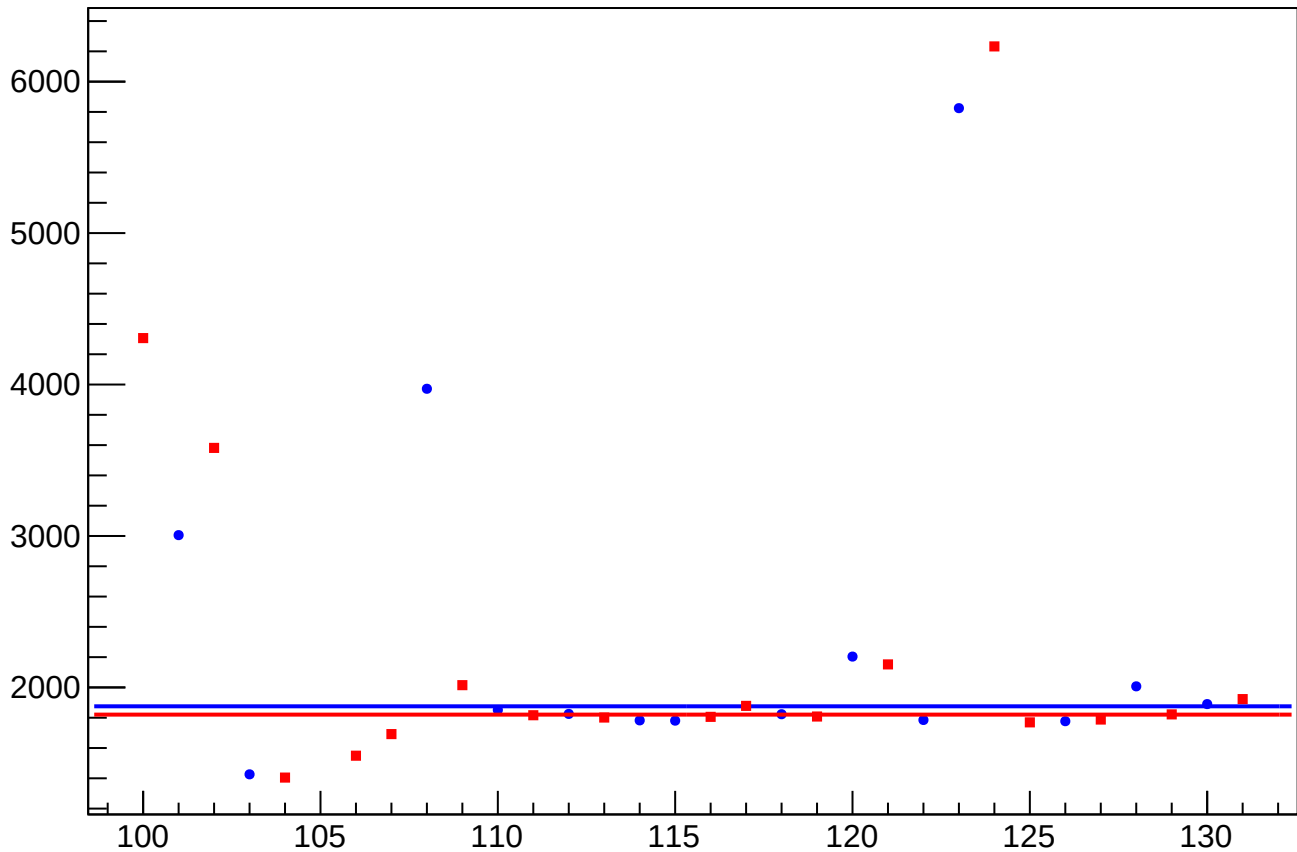
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2373.488 $\pm$ 841.835  $\chi^2$ /NDF: 5.6/13

2171.133 $\pm$ 568.222  $\chi^2$ /NDF: 16.2/30

2001.786 $\pm$ 770.119  $\chi^2$ /NDF: 10.5/16

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



Right In: 1875.382+/-0.595  $\chi^2/\text{NDF}$ : 533698.7/13

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

Right Out: 1820.513+/-0.544  $\chi^2/\text{NDF}$ : 566584.5/16

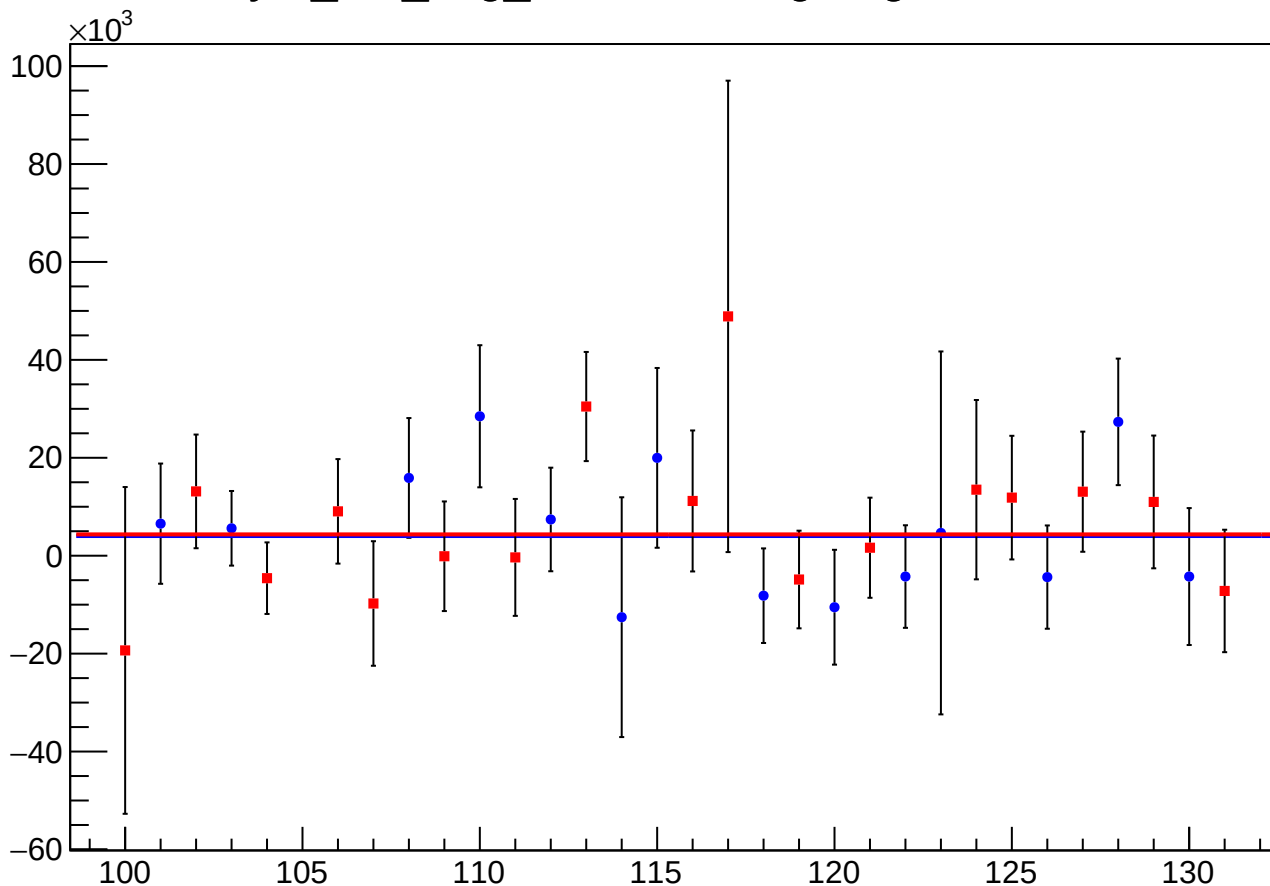
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1875.382+/-0.595  $\chi^2/\text{NDF}$ : 533698.7/13

1845.506+/-0.402  $\chi^2/\text{NDF}$ : 1104909.6/30

1820.513+/-0.544  $\chi^2/\text{NDF}$ : 566584.5/16

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



Right In: 4018.589+/-3214.655  $\chi^2/\text{NDF}$ : 13.2/13

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

Right Out: 4353.361+/-2915.580  $\chi^2/\text{NDF}$ : 14.0/16

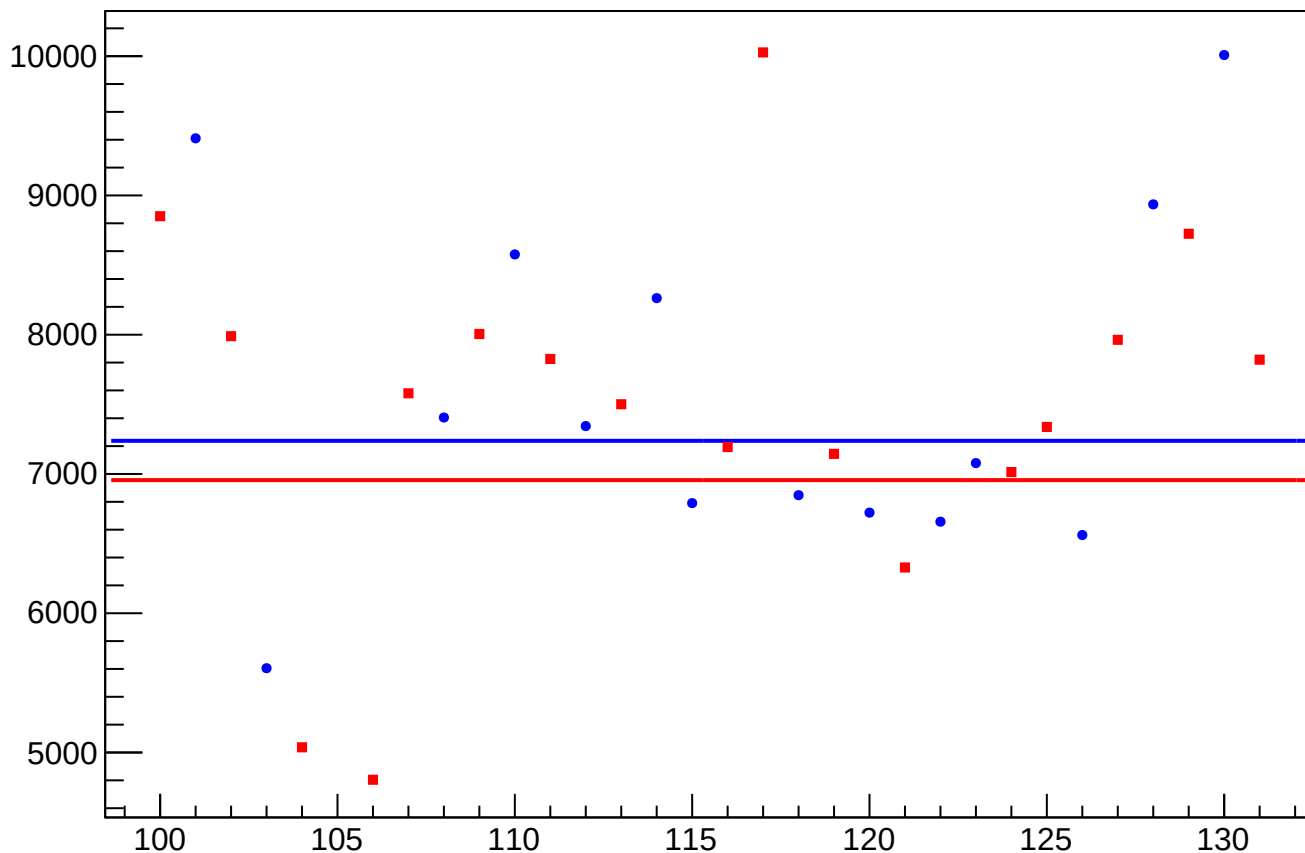
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4018.589+/-3214.655  $\chi^2/\text{NDF}$ : 13.2/13

4202.268+/-2159.638  $\chi^2/\text{NDF}$ : 27.2/30

4353.361+/-2915.580  $\chi^2/\text{NDF}$ : 14.0/16

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



Right In: 7238.074+/-2.273  $\chi^2/\text{NDF}$ : 311223.3/13

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

Right Out: 6955.806+/-2.061  $\chi^2/\text{NDF}$ : 355324.4/16

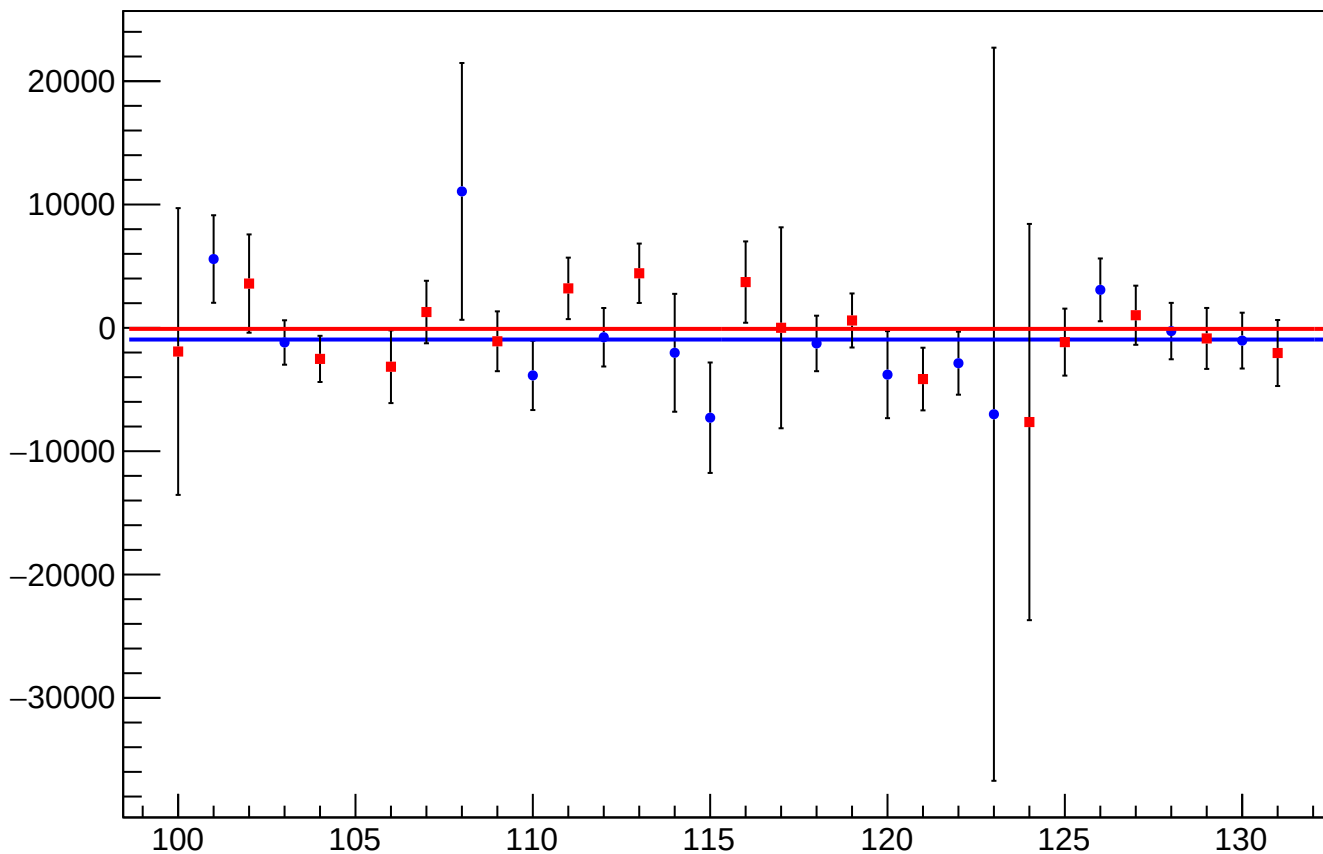
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

7238.074+/-2.273  $\chi^2/\text{NDF}$ : 311223.3/13

7083.186+/-1.527  $\chi^2/\text{NDF}$ : 675009.6/30

6955.806+/-2.061  $\chi^2/\text{NDF}$ : 355324.4/16

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



Right In: -946.613+/-752.071  $\chi^2$ /NDF: 11.7/13

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

Right Out: -83.562+/-671.565  $\chi^2$ /NDF: 14.6/16

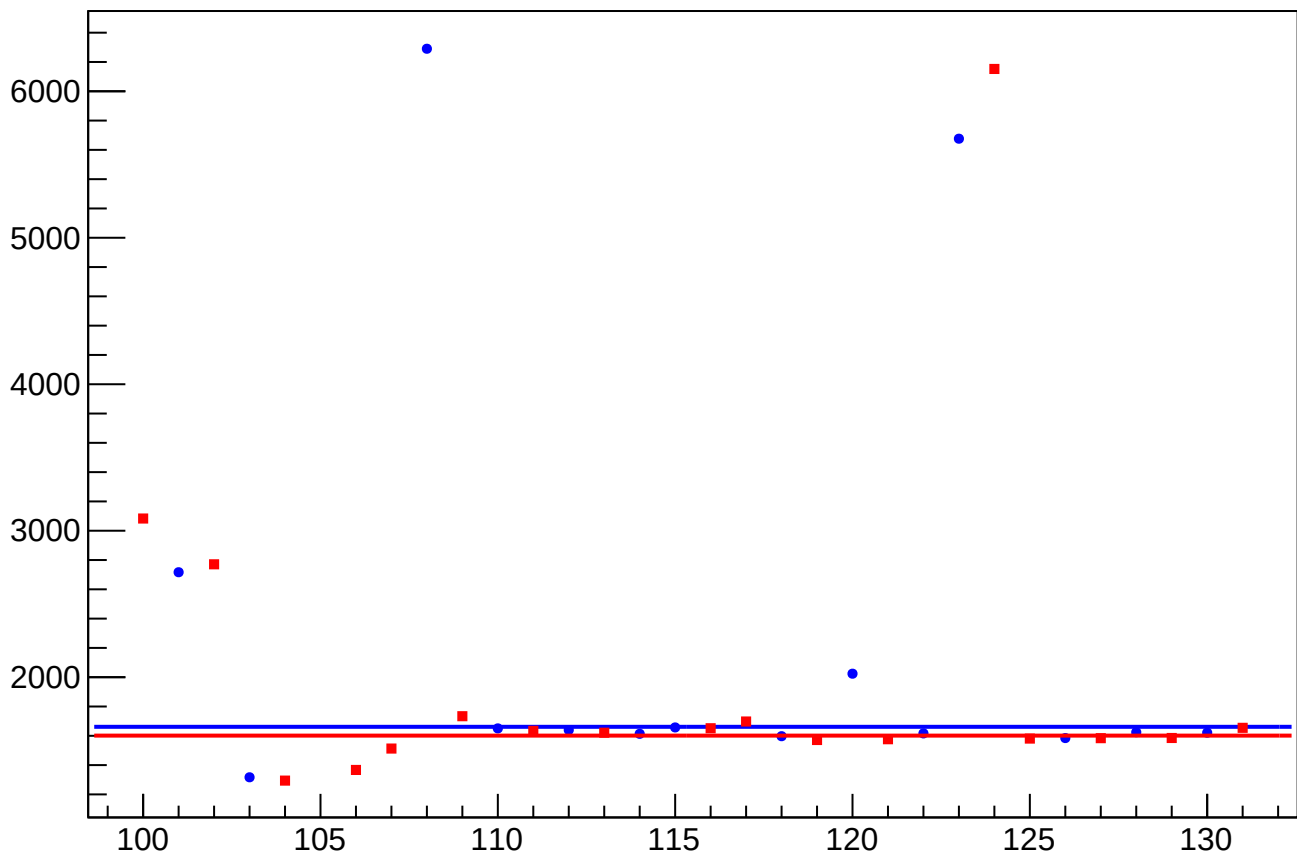
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-946.613+/-752.071  $\chi^2$ /NDF: 11.7/13

-466.437+/-500.921  $\chi^2$ /NDF: 27.0/30

-83.562+/-671.565  $\chi^2$ /NDF: 14.6/16

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



Right In: 1661.389 $\pm$ 0.532  $\chi^2/\text{NDF}$ : 708657.9/13

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

Right Out: 1601.306 $\pm$ 0.475  $\chi^2/\text{NDF}$ : 443141.1/16

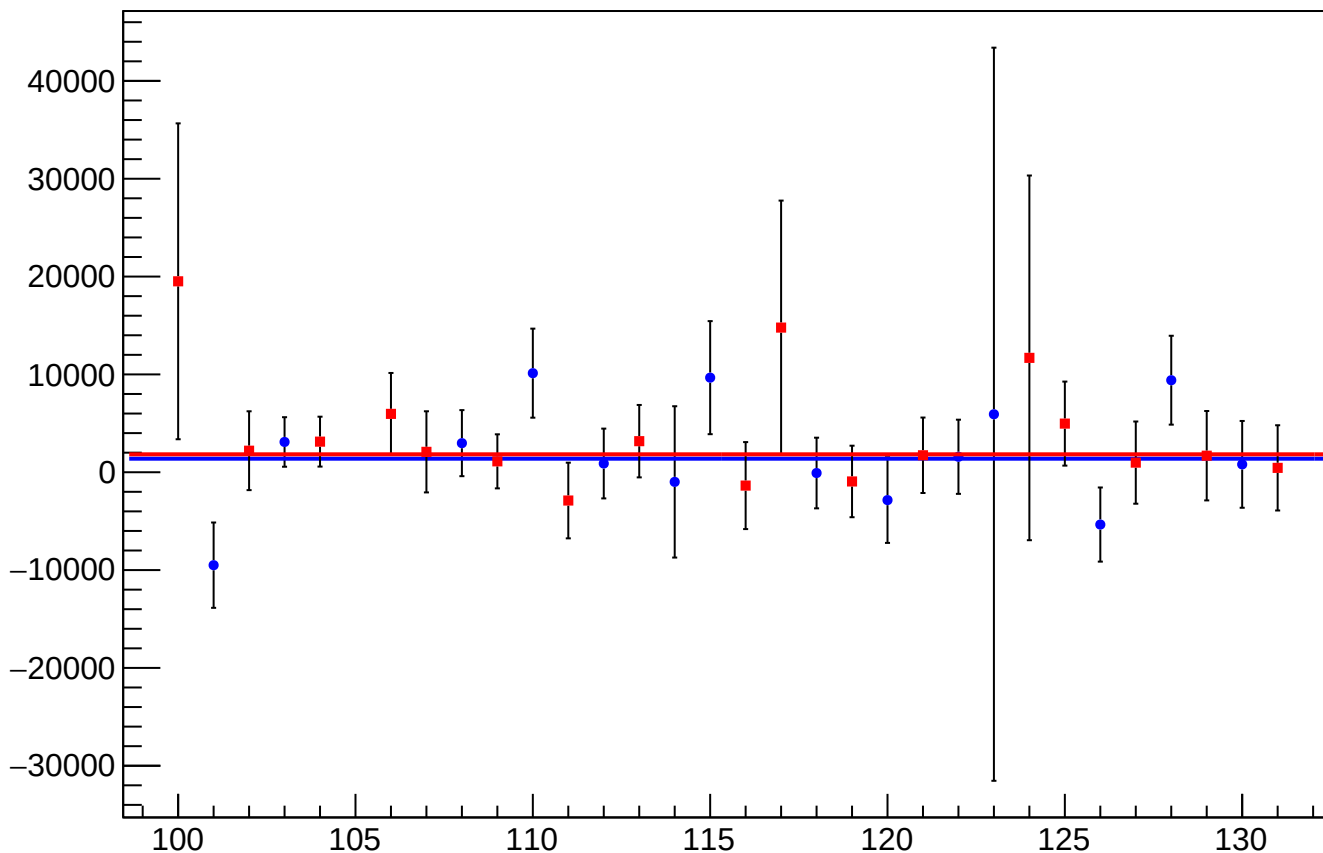
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

1661.389 $\pm$ 0.532  $\chi^2/\text{NDF}$ : 708657.9/13

1627.960 $\pm$ 0.354  $\chi^2/\text{NDF}$ : 1158901.1/30

1601.306 $\pm$ 0.475  $\chi^2/\text{NDF}$ : 443141.1/16

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



Right In: 1384.937+/-1092.390  $\chi^2/\text{NDF}$ : 20.2/13

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

Right Out: 1833.276+/-990.943  $\chi^2/\text{NDF}$ : 7.2/16

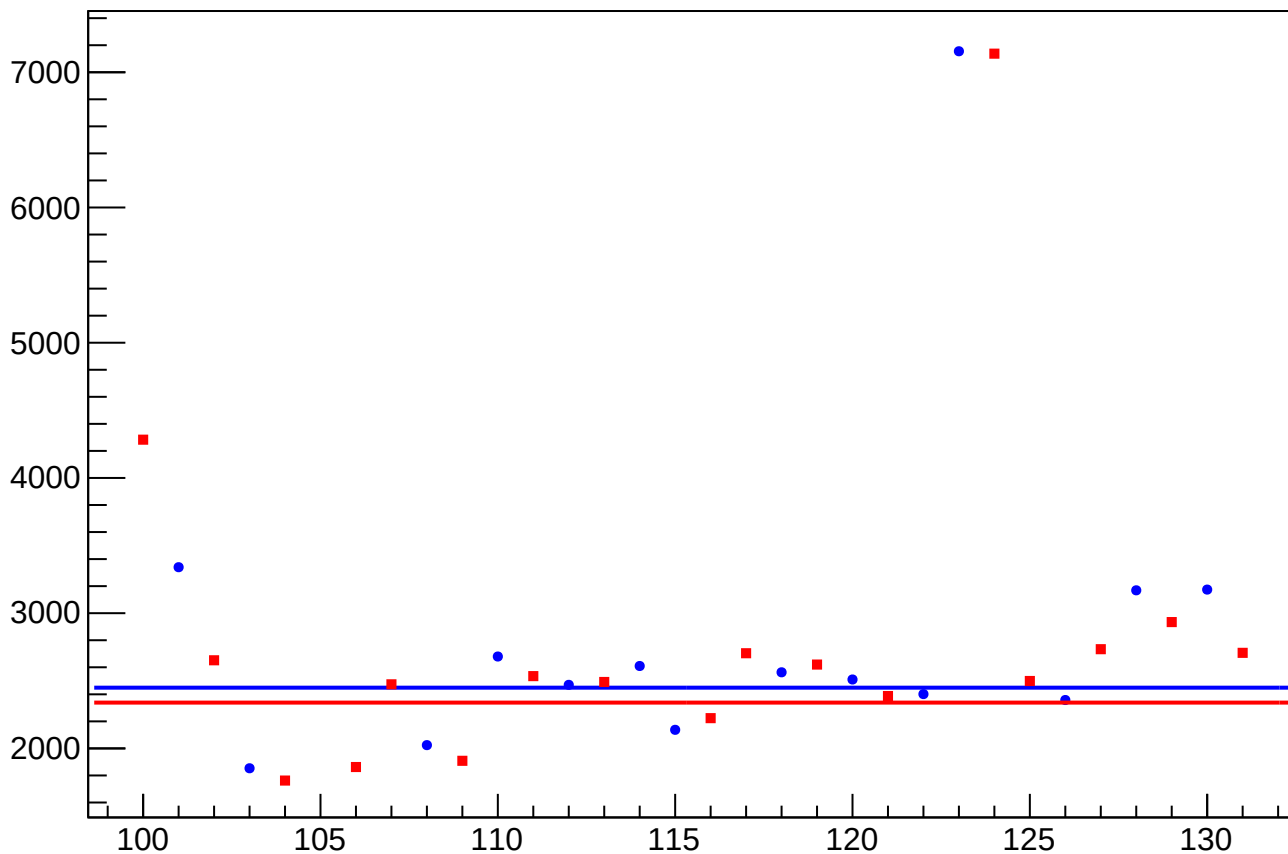
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1384.937+/-1092.390  $\chi^2/\text{NDF}$ : 20.2/13

1630.886+/-733.953  $\chi^2/\text{NDF}$ : 27.5/30

1833.276+/-990.943  $\chi^2/\text{NDF}$ : 7.2/16

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



Right In: 2449.210+/-0.772  $\chi^2/\text{NDF}$ : 376908.2/13

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

Right Out: 2338.802+/-0.701  $\chi^2/\text{NDF}$ : 444745.5/16

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

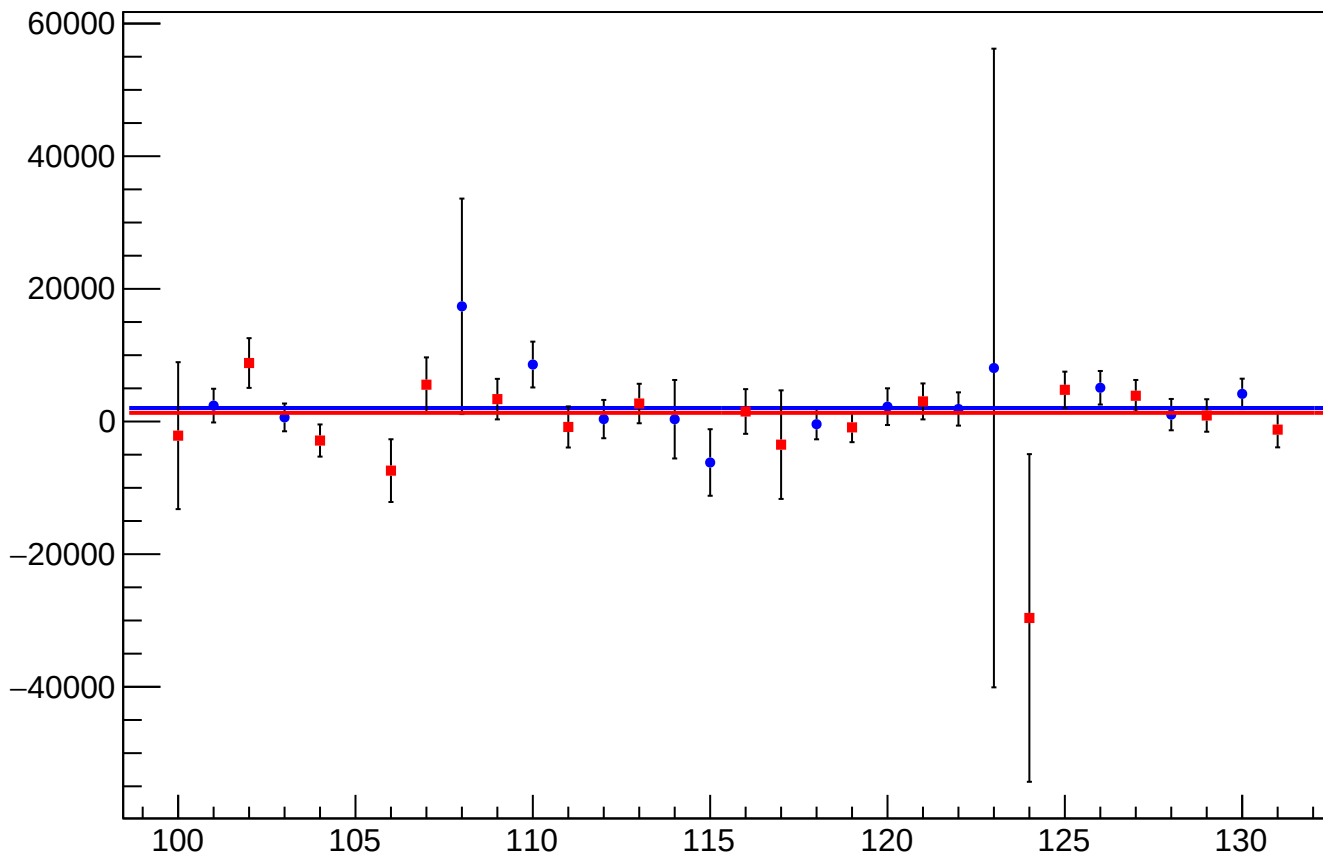
2449.210+/-0.772  $\chi^2/\text{NDF}$ : 376908.2/13

2388.642+/-0.519  $\chi^2/\text{NDF}$ : 832861.3/30

2338.802+/-0.701  $\chi^2/\text{NDF}$ : 444745.5/16



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



Right In: 2040.373+/-774.474  $\chi^2/\text{NDF}$ : 11.7/13

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

Right Out: 1309.821+/-759.092  $\chi^2/\text{NDF}$ : 19.7/16

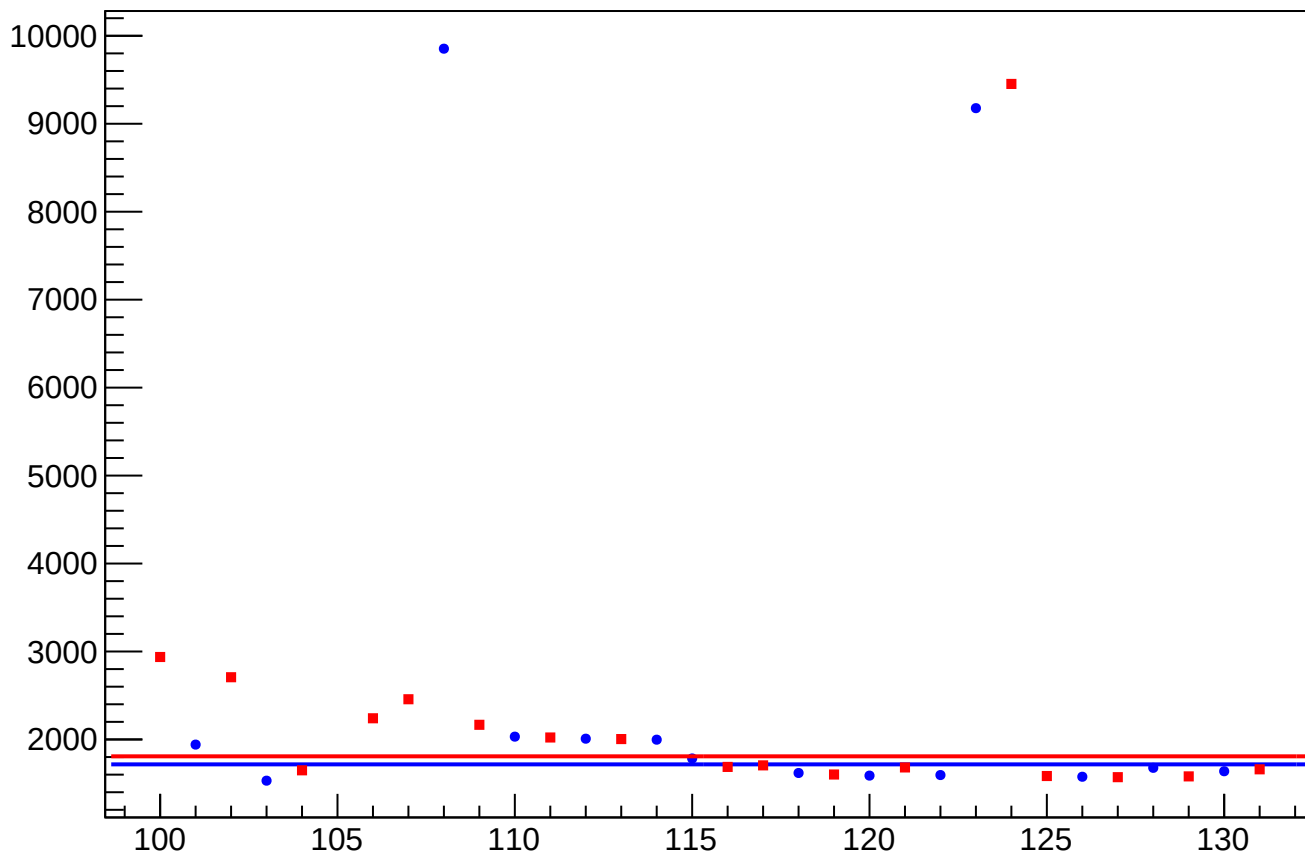
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2040.373+/-774.474  $\chi^2/\text{NDF}$ : 11.7/13

1667.770+/-542.116  $\chi^2/\text{NDF}$ : 31.9/30

1309.821+/-759.092  $\chi^2/\text{NDF}$ : 19.7/16

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



Right In: 1716.759 $\pm$ 0.548  $\chi^2$ /NDF: 645119.6/13

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

Right Out: 1808.174 $\pm$ 0.536  $\chi^2$ /NDF: 531107.4/16

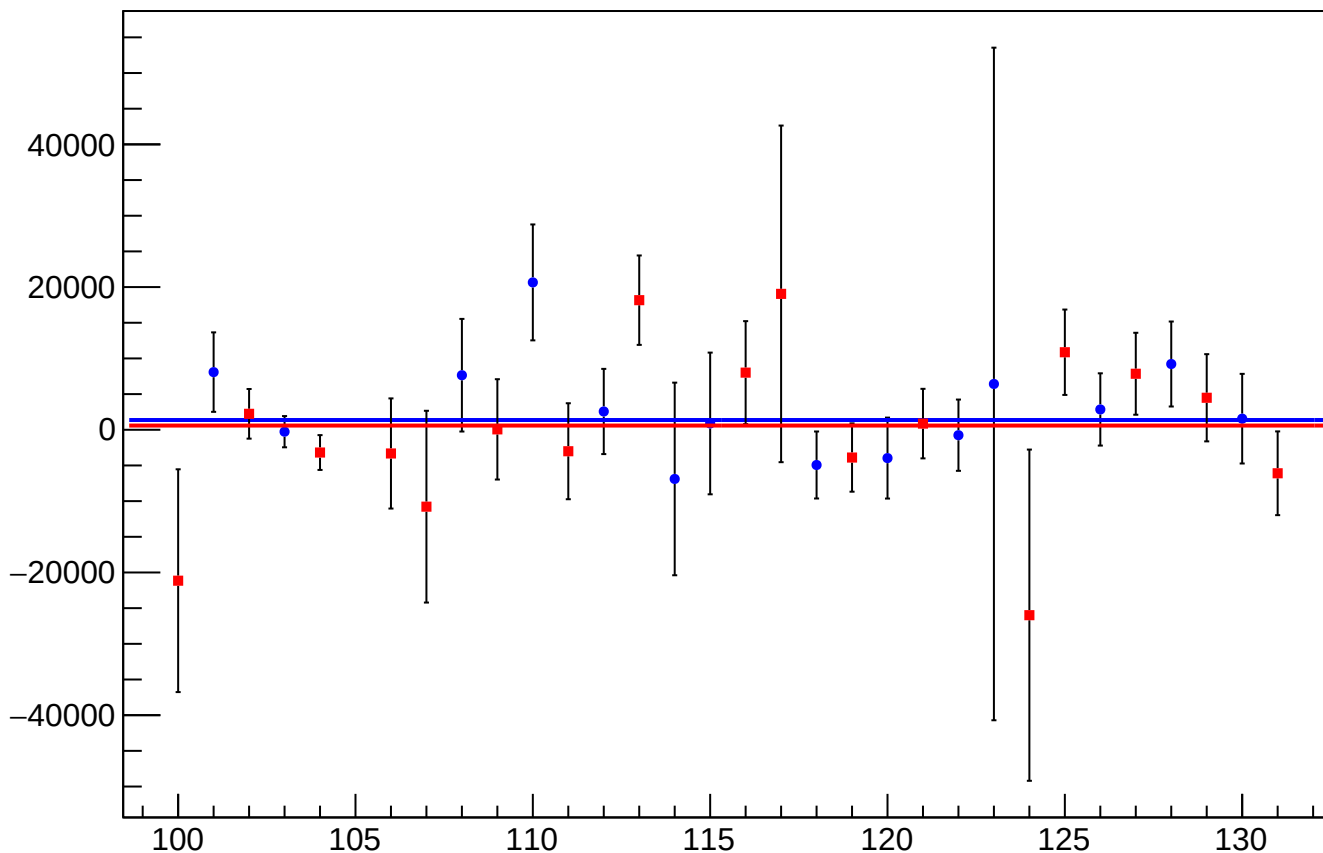
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1716.759 $\pm$ 0.548  $\chi^2$ /NDF: 645119.6/13

1763.446 $\pm$ 0.383  $\chi^2$ /NDF: 1190458.0/30

1808.174 $\pm$ 0.536  $\chi^2$ /NDF: 531107.4/16

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



Right In: 1369.004+/-1379.598  $\chi^2/\text{NDF}$ : 13.4/13

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

Right Out: 592.040+/-1327.519  $\chi^2/\text{NDF}$ : 23.8/16

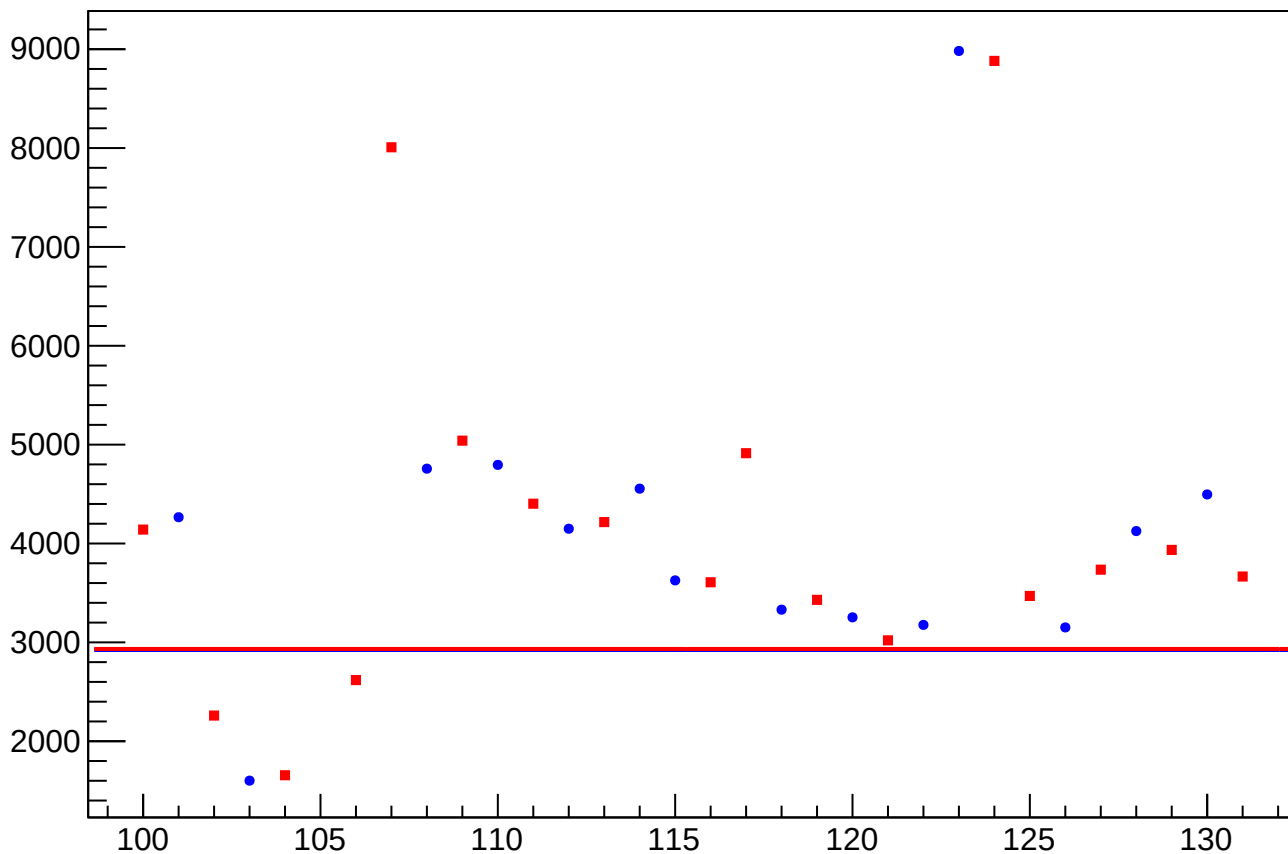
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1369.004+/-1379.598  $\chi^2/\text{NDF}$ : 13.4/13

965.581+/-956.579  $\chi^2/\text{NDF}$ : 37.4/30

592.040+/-1327.519  $\chi^2/\text{NDF}$ : 23.8/16

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



Right In: 2922.999+/-0.976  $\chi^2/\text{NDF}$ : 1454804.3/13

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

Right Out: 2933.457+/-0.924  $\chi^2/\text{NDF}$ : 1611082.3/16

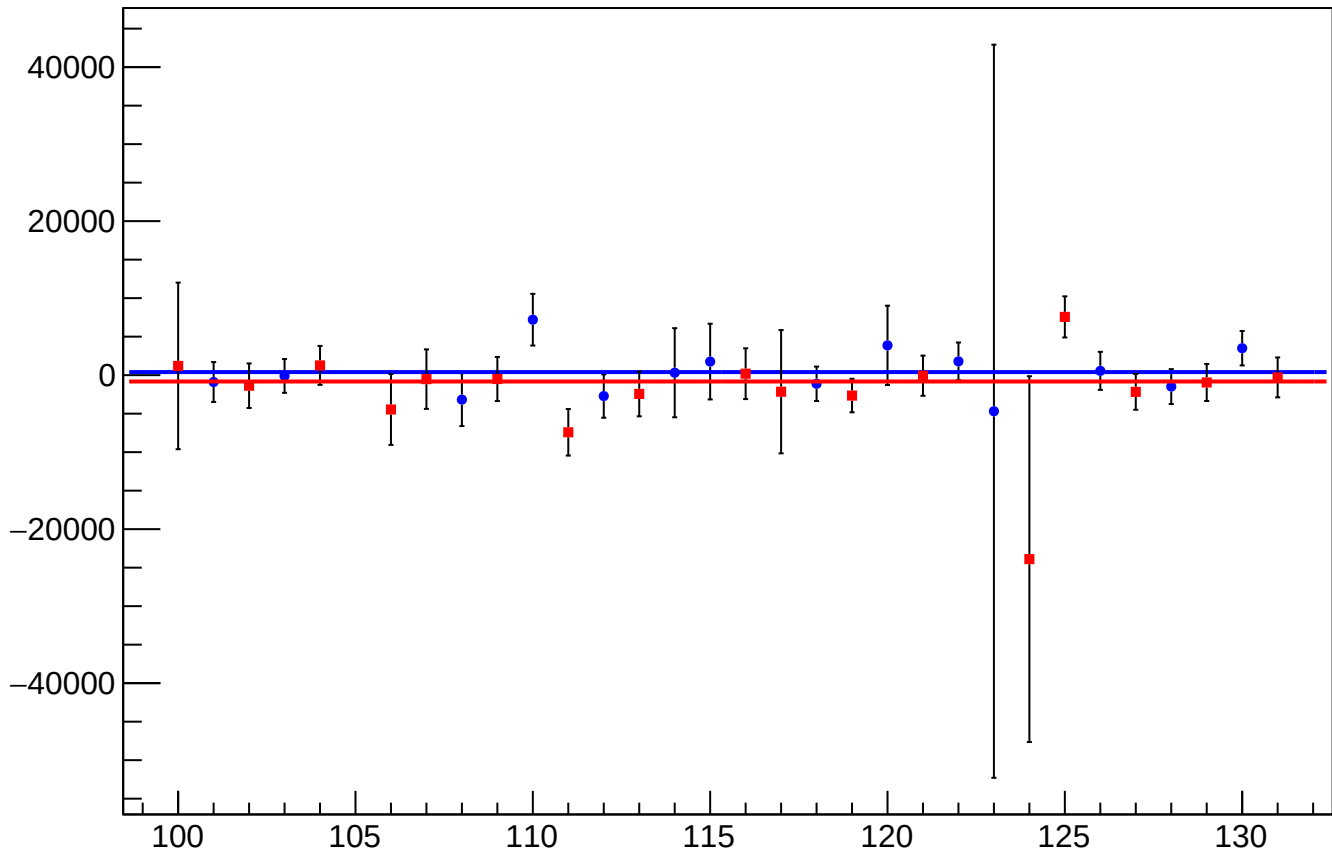
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2922.999+/-0.976  $\chi^2/\text{NDF}$ : 1454804.3/13

2928.510+/-0.671  $\chi^2/\text{NDF}$ : 3065947.1/30

2933.457+/-0.924  $\chi^2/\text{NDF}$ : 1611082.3/16

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



Right In: 397.539+/-768.748  $\chi^2/\text{NDF}$ : 10.7/13

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

Right Out: -824.775+/-732.793  $\chi^2/\text{NDF}$ : 18.6/16

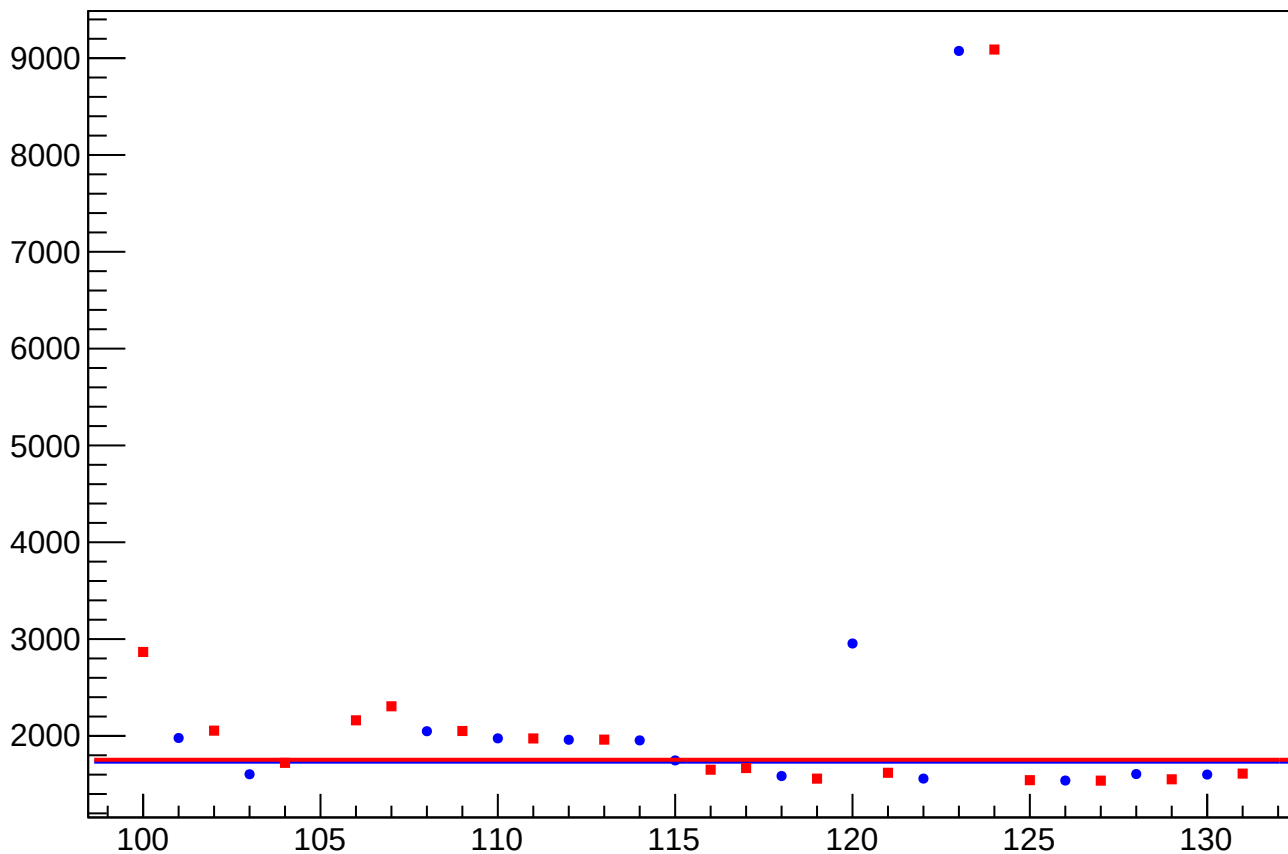
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

397.539+/-768.748  $\chi^2/\text{NDF}$ : 10.7/13

-242.870+/-530.418  $\chi^2/\text{NDF}$ : 30.6/30

-824.775+/-732.793  $\chi^2/\text{NDF}$ : 18.6/16

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



Right In: 1733.953+/-0.544  $\chi^2/\text{NDF}$ : 272388.9/13

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

Right Out: 1753.643+/-0.517  $\chi^2/\text{NDF}$ : 408303.3/16

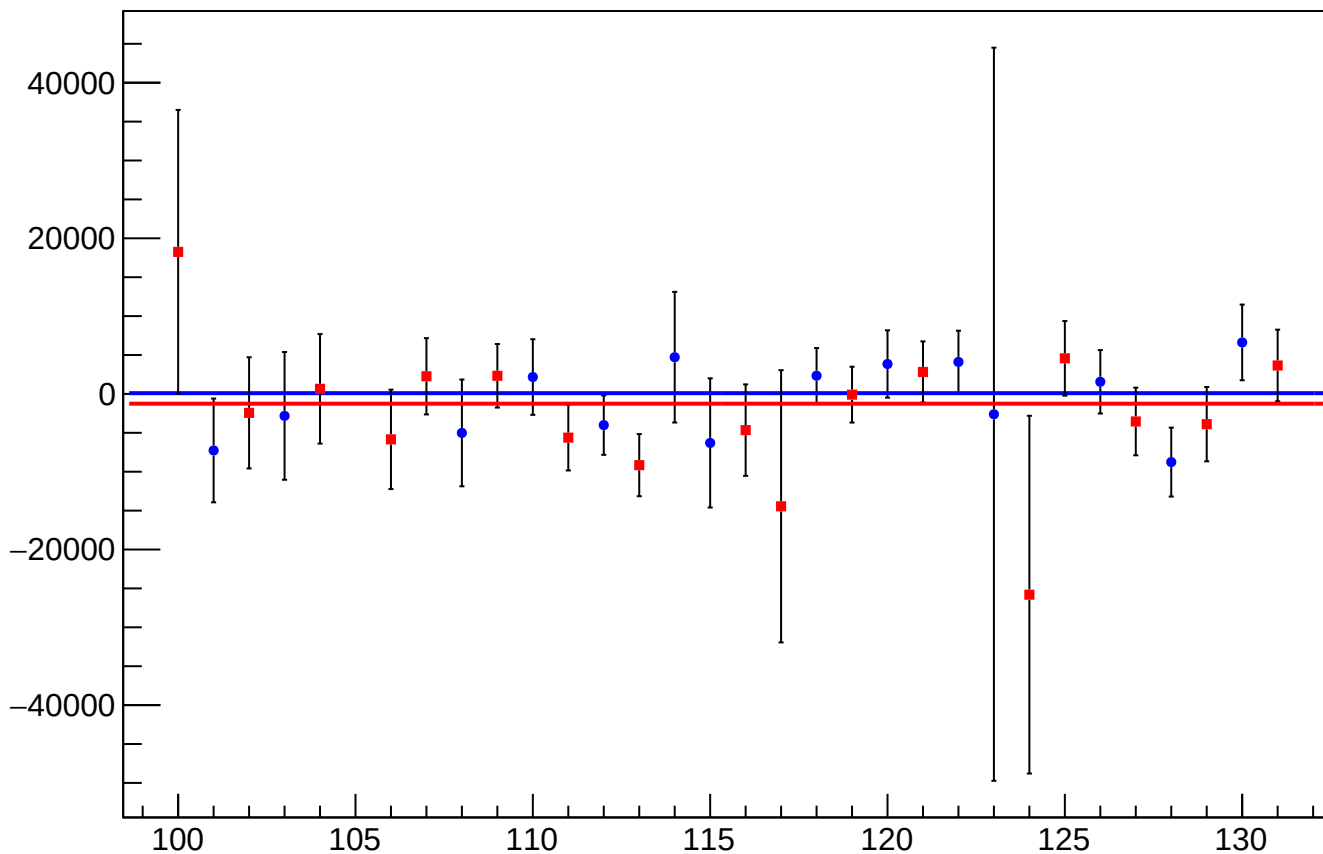
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1733.953+/-0.544  $\chi^2/\text{NDF}$ : 272388.9/13

1744.287+/-0.375  $\chi^2/\text{NDF}$ : 681380.8/30

1753.643+/-0.517  $\chi^2/\text{NDF}$ : 408303.3/16

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



Right In: 95.586+/-1352.902  $\chi^2/\text{NDF}$ : 12.2/13

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

Right Out: -1257.268+/-1238.775  $\chi^2/\text{NDF}$ : 14.5/16

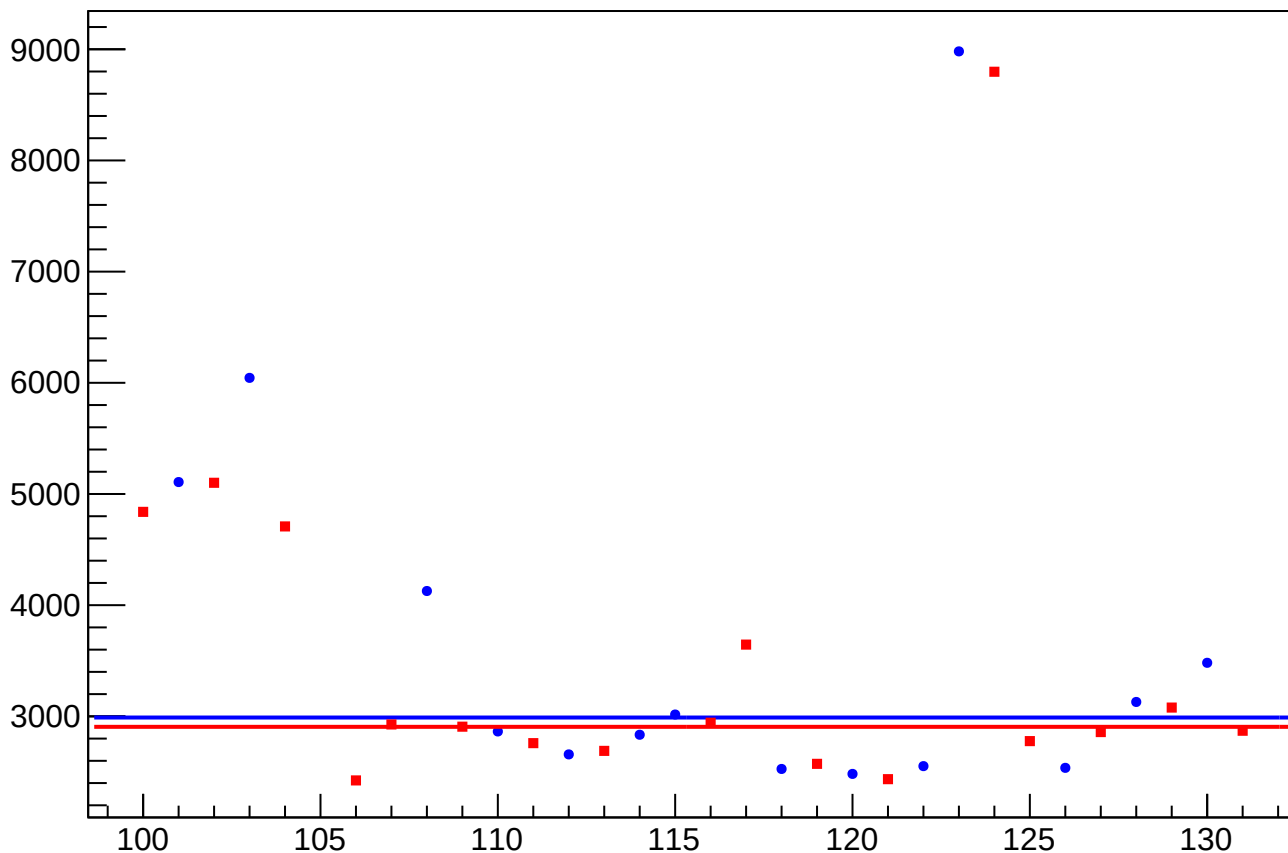
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

95.586+/-1352.902  $\chi^2/\text{NDF}$ : 12.2/13

-640.300+/-913.634  $\chi^2/\text{NDF}$ : 27.2/30

-1257.268+/-1238.775  $\chi^2/\text{NDF}$ : 14.5/16

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



Right In: 2989.493+/-0.957  $\chi^2/\text{NDF}$ : 715476.4/13

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

Right Out: 2905.742+/-0.864  $\chi^2/\text{NDF}$ : 555694.7/16

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

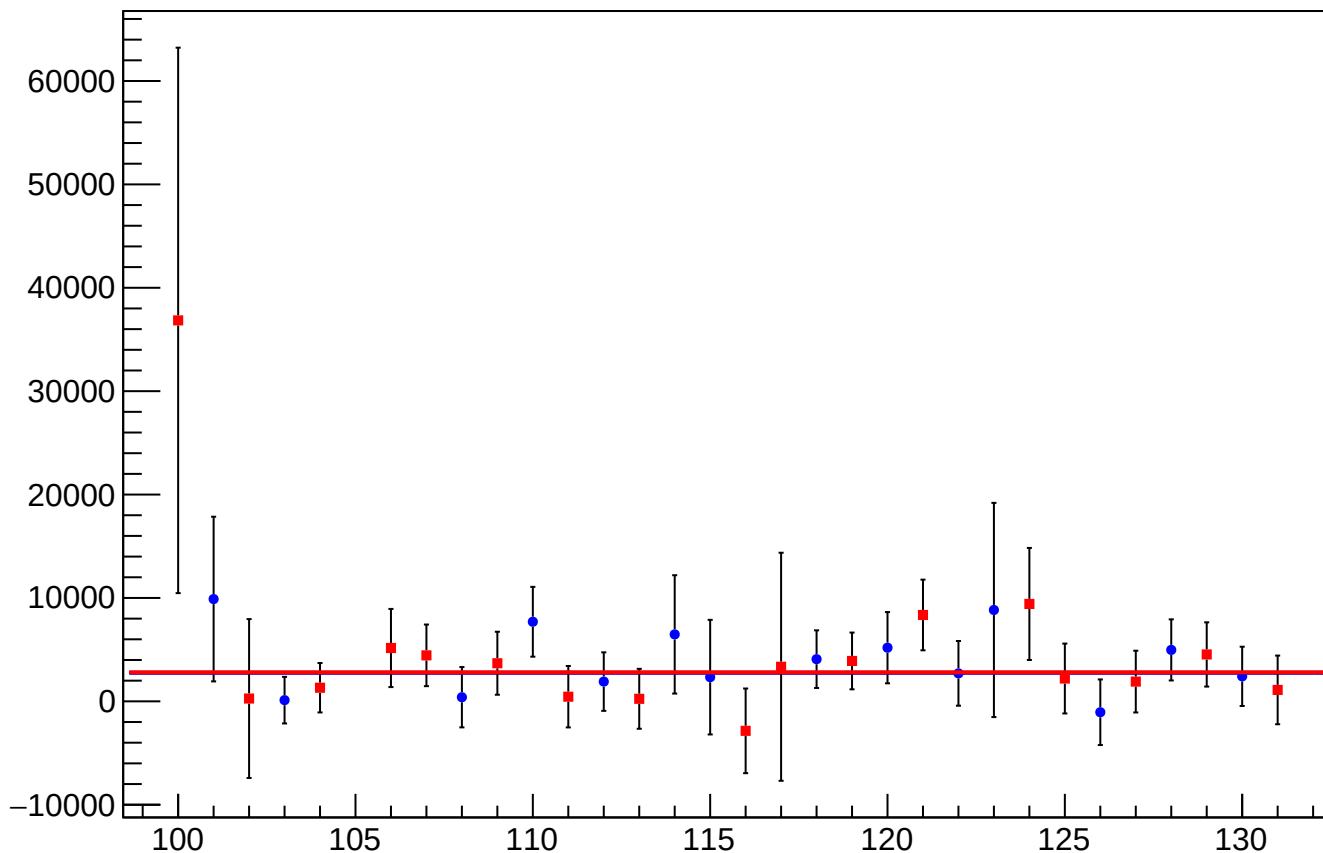
2989.493+/-0.957  $\chi^2/\text{NDF}$ : 715476.4/13

2943.375+/-0.641  $\chi^2/\text{NDF}$ : 1275391.6/30

2905.742+/-0.864  $\chi^2/\text{NDF}$ : 555694.7/16



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



Right In: 2759.558+/-888.881  $\chi^2$ /NDF: 8.6/13

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

Right Out: 2807.740+/-836.133  $\chi^2$ /NDF: 11.2/16

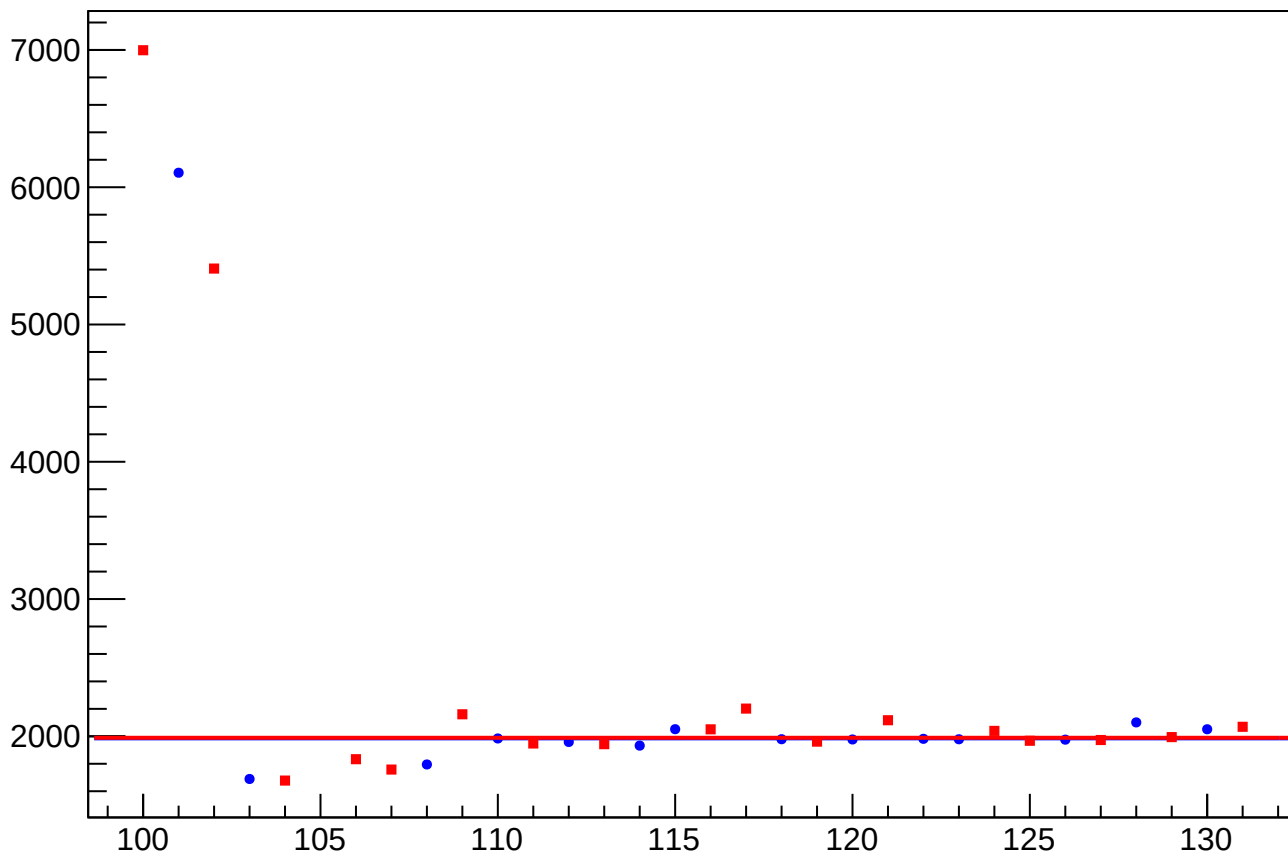
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

2759.558+/-888.881  $\chi^2$ /NDF: 8.6/13

2785.121+/-609.030  $\chi^2$ /NDF: 19.8/30

2807.740+/-836.133  $\chi^2$ /NDF: 11.2/16

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



Right In: 1985.194+/-0.629  $\chi^2/\text{NDF}$ : 583192.6/13

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

Right Out: 1989.319+/-0.591  $\chi^2/\text{NDF}$ : 530522.5/16

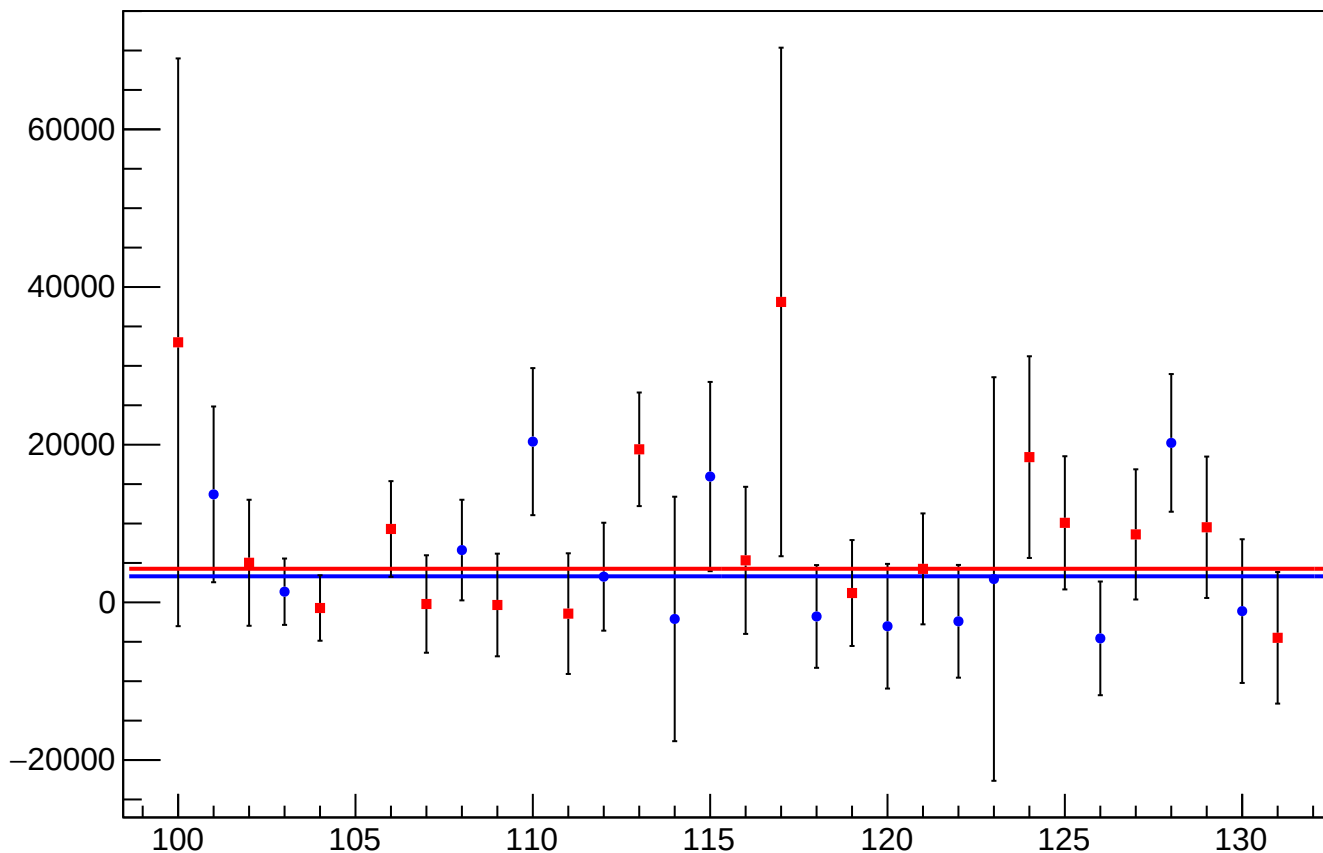
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1985.194+/-0.629  $\chi^2/\text{NDF}$ : 583192.6/13

1987.383+/-0.431  $\chi^2/\text{NDF}$ : 1113737.9/30

1989.319+/-0.591  $\chi^2/\text{NDF}$ : 530522.5/16

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



Right In: 3305.118 $\pm$ 2049.772  $\chi^2$ /NDF: 13.0/13

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

Right Out: 4262.340 $\pm$ 1813.365  $\chi^2$ /NDF: 13.5/16

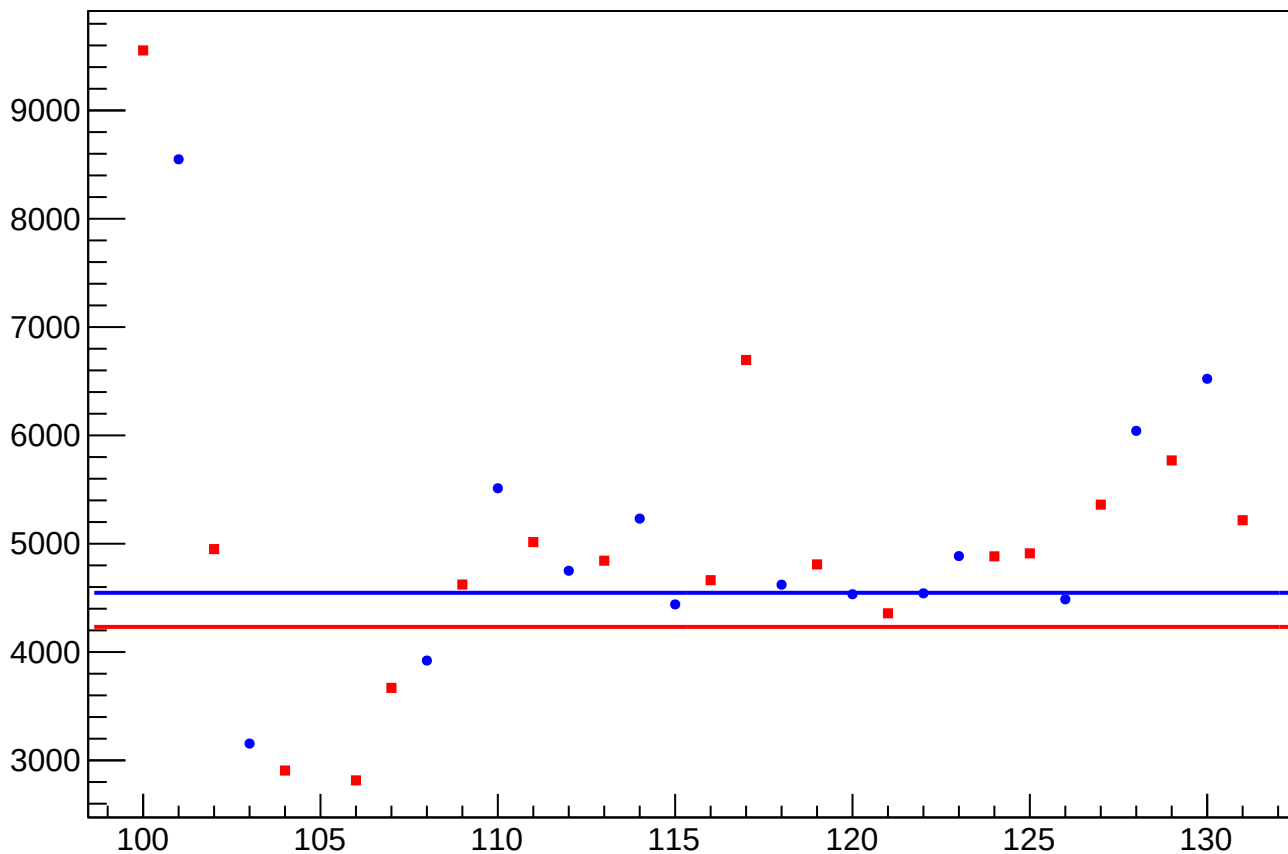
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

3305.118 $\pm$ 2049.772  $\chi^2$ /NDF: 13.0/13

3842.089 $\pm$ 1358.169  $\chi^2$ /NDF: 26.7/30

4262.340 $\pm$ 1813.365  $\chi^2$ /NDF: 13.5/16

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



Right In: 4546.909+/-1.449  $\chi^2/\text{NDF}$ : 676439.7/13

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

Right Out: 4232.132+/-1.274  $\chi^2/\text{NDF}$ : 621133.2/16

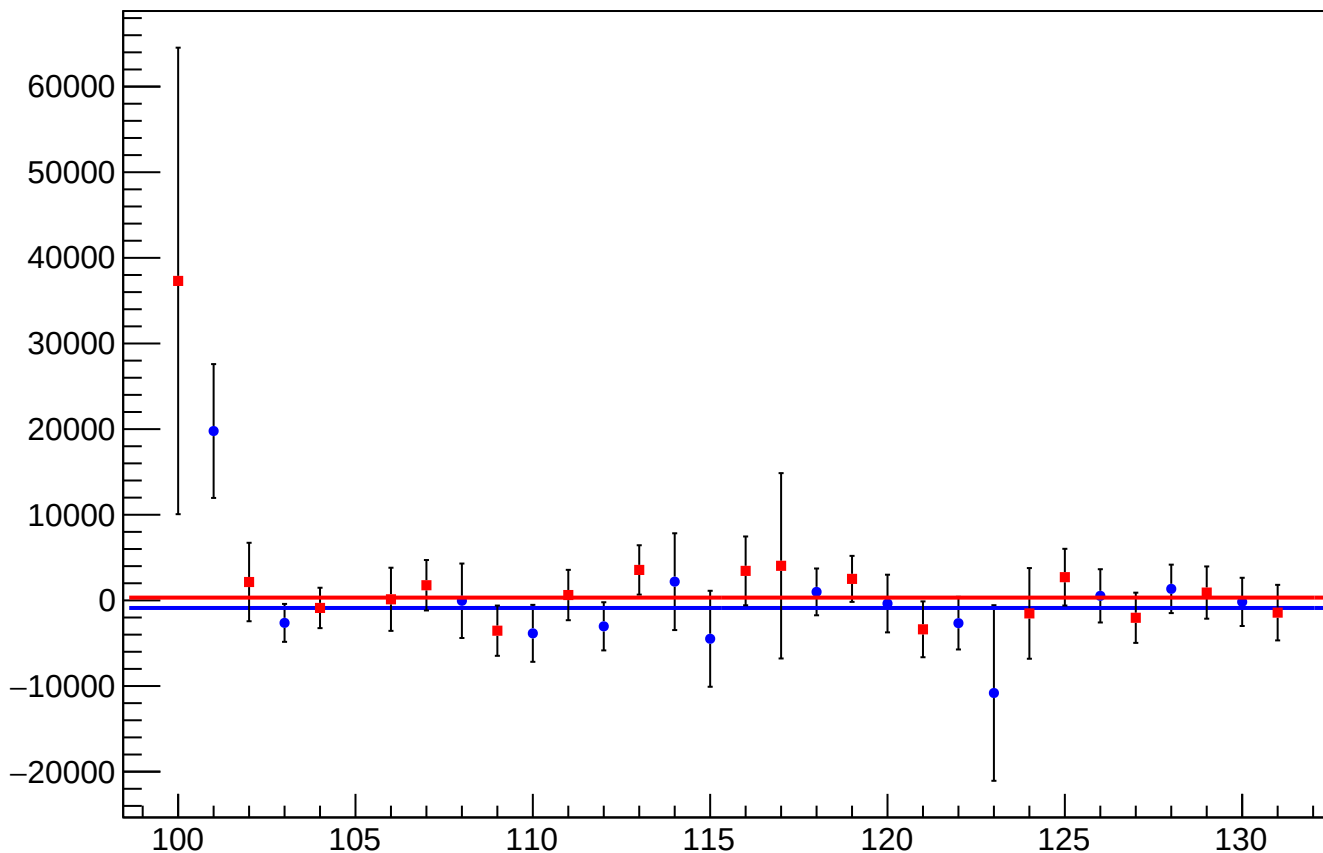
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4546.909+/-1.449  $\chi^2/\text{NDF}$ : 676439.7/13

4369.338+/-0.957  $\chi^2/\text{NDF}$ : 1324179.7/30

4232.132+/-1.274  $\chi^2/\text{NDF}$ : 621133.2/16

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



Right In: -885.741+/-896.103  $\chi^2/\text{NDF}$ : 12.4/13

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

Right Out: 325.093+/-811.511  $\chi^2/\text{NDF}$ : 9.8/16

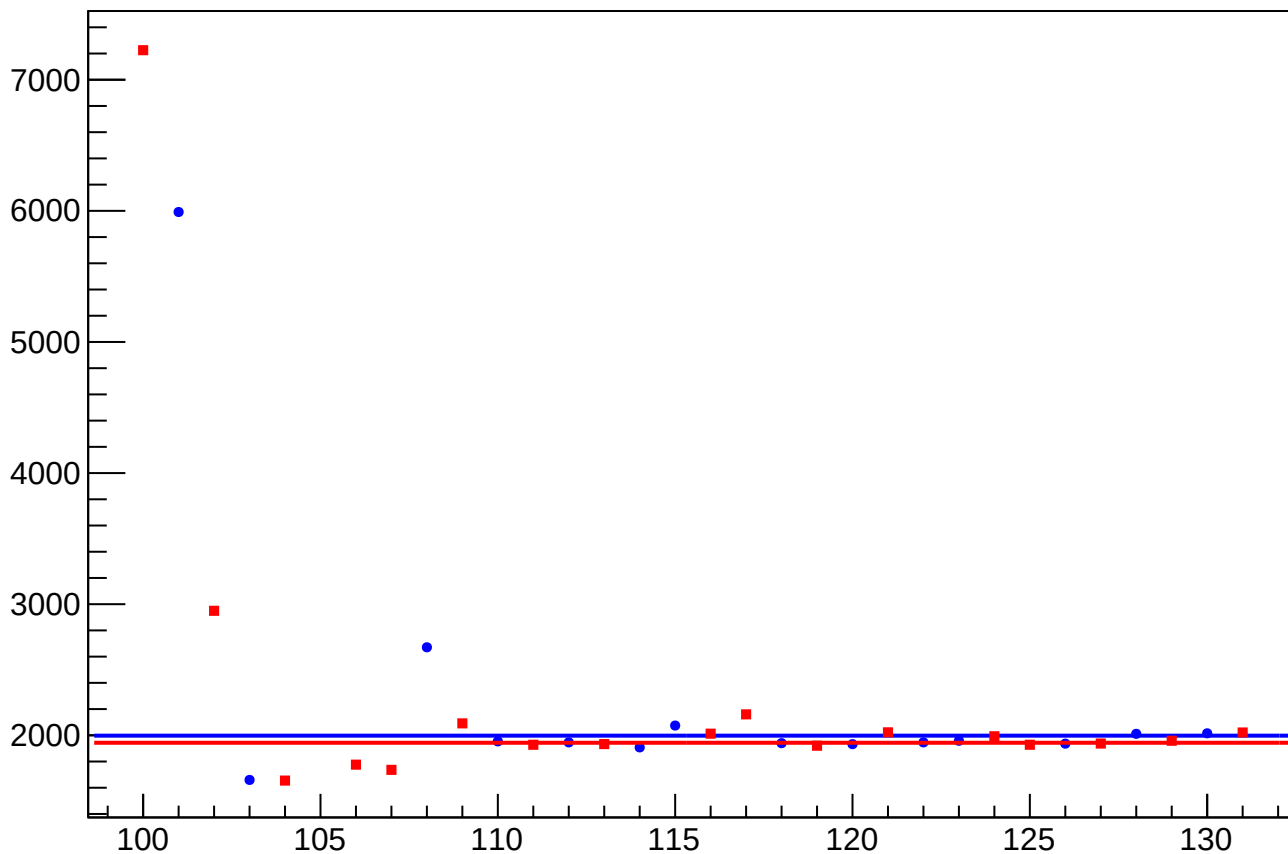
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-885.741+/-896.103  $\chi^2/\text{NDF}$ : 12.4/13

-220.489+/-601.513  $\chi^2/\text{NDF}$ : 23.2/30

325.093+/-811.511  $\chi^2/\text{NDF}$ : 9.8/16

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



Right In: 1997.217+/-0.634  $\chi^2/\text{NDF}$ : 621980.9/13

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

Right Out: 1943.067+/-0.573  $\chi^2/\text{NDF}$ : 225195.4/16

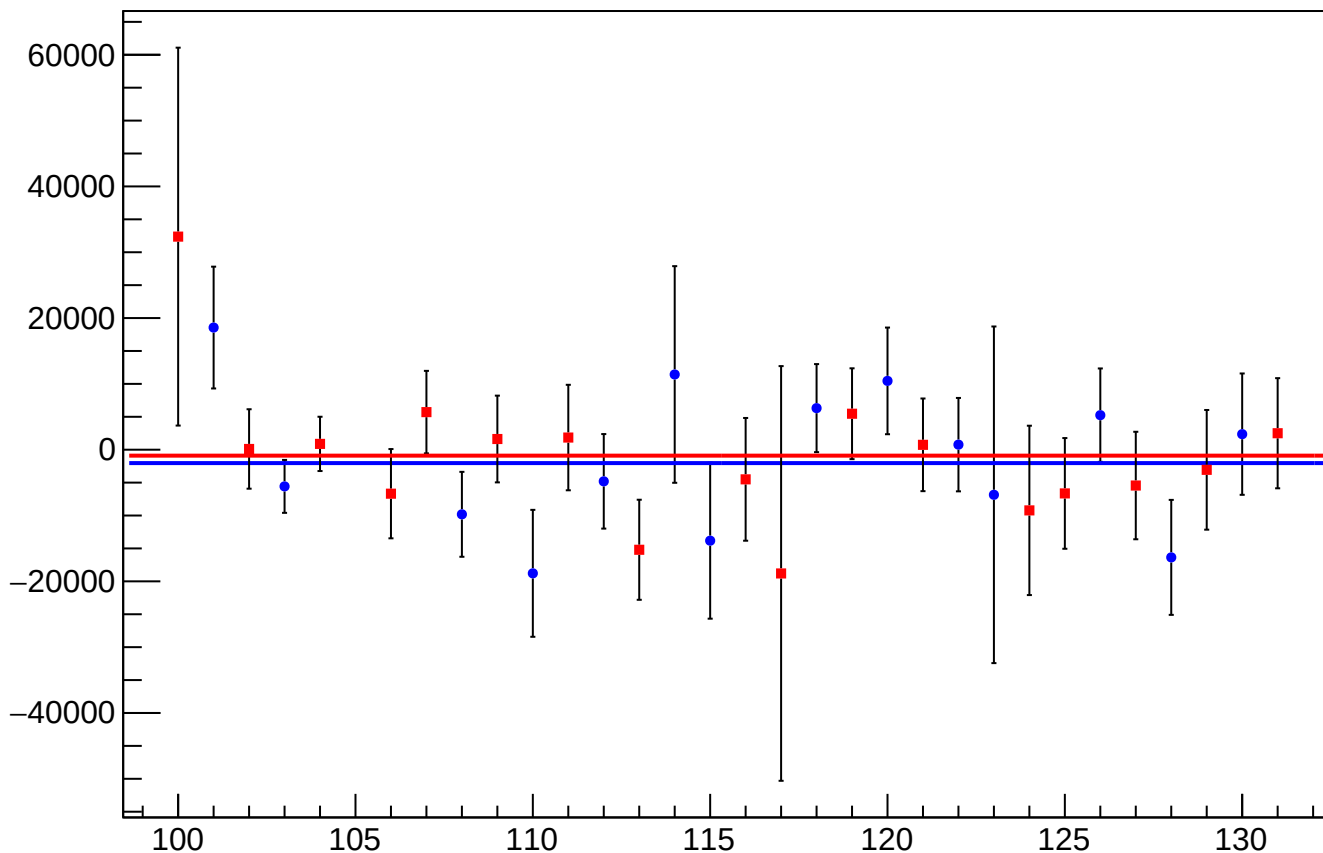
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1997.217+/-0.634  $\chi^2/\text{NDF}$ : 621980.9/13

1967.433+/-0.425  $\chi^2/\text{NDF}$ : 851193.2/30

1943.067+/-0.573  $\chi^2/\text{NDF}$ : 225195.4/16

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



Right In: -234.350+/-2331.768  $\chi^2/\text{NDF}$ : 20.1/13

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

Right Out: -902.935+/-1808.173  $\chi^2/\text{NDF}$ : 10.0/16

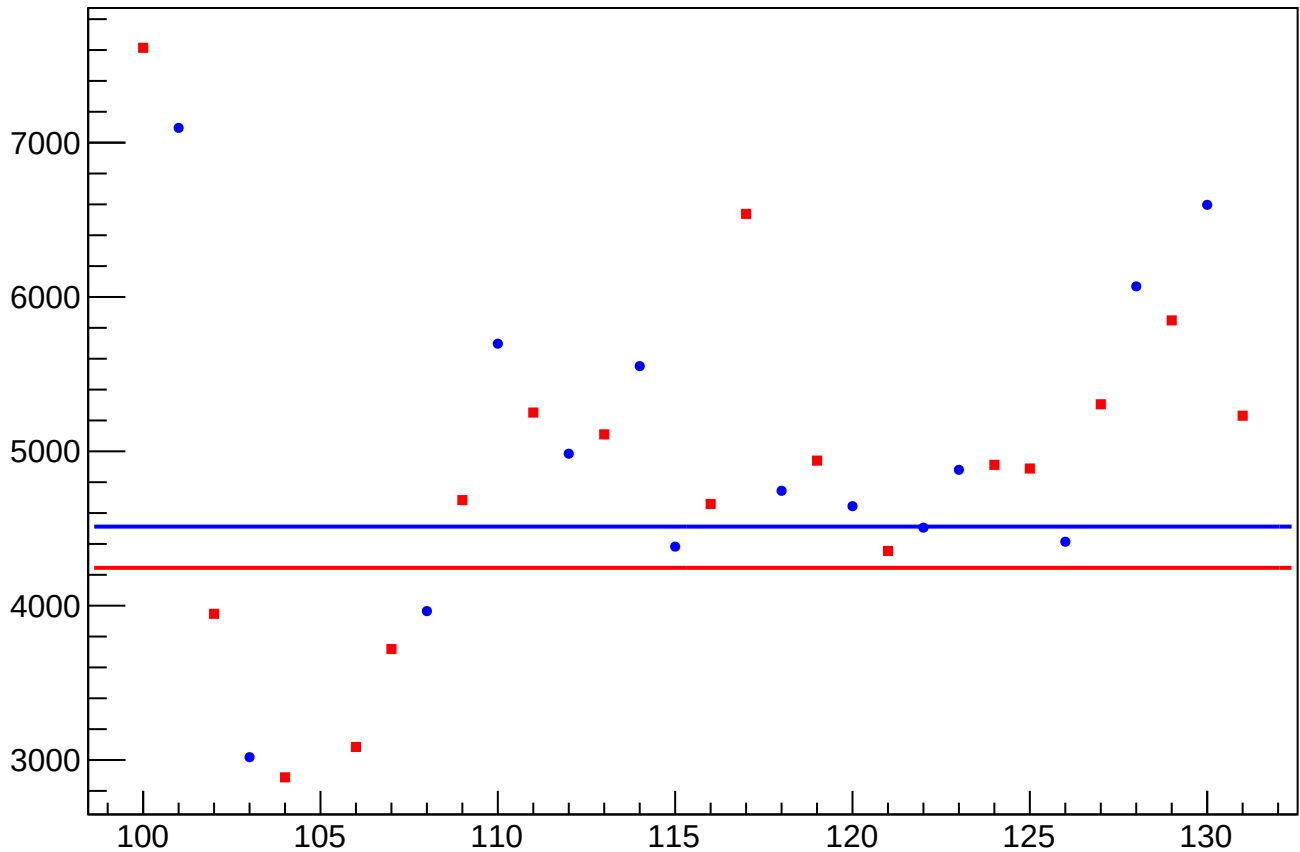
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-234.350+/-2331.768  $\chi^2/\text{NDF}$ : 20.1/13

-1402.984+/-1350.733  $\chi^2/\text{NDF}$ : 30.3/30

-902.935+/-1808.173  $\chi^2/\text{NDF}$ : 10.0/16

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



Right In: 4512.319+/-1.437  $\chi^2/\text{NDF}$ : 663118.9/13

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

Right Out: 4245.177+/-1.270  $\chi^2/\text{NDF}$ : 574638.2/16

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

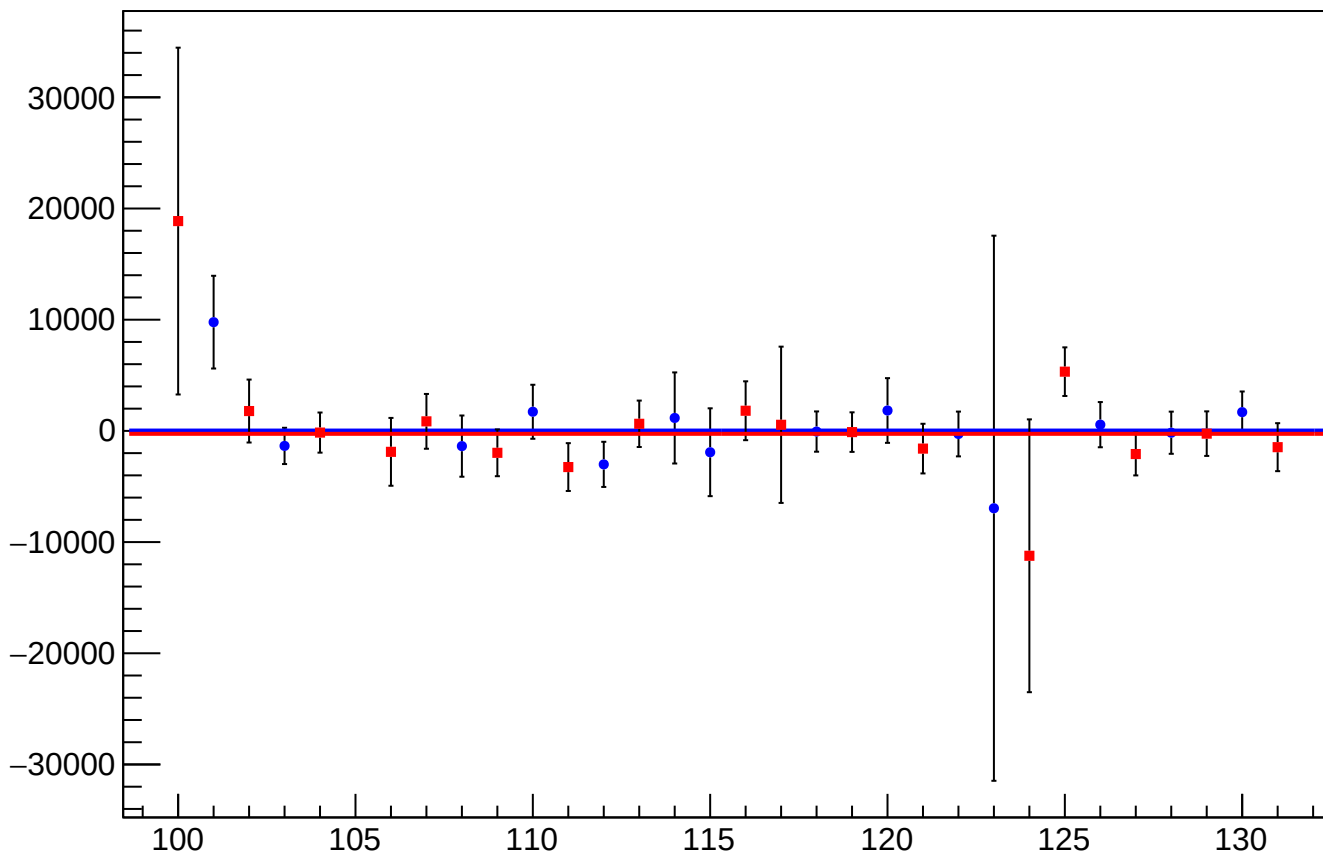
4512.319+/-1.437  $\chi^2/\text{NDF}$ : 663118.9/13

4362.408+/-0.952  $\chi^2/\text{NDF}$ : 1257159.7/30

4245.177+/-1.270  $\chi^2/\text{NDF}$ : 574638.2/16



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



Right In: 30.720+/-622.233  $\chi^2/\text{NDF}$ : 10.9/13

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

Right Out: -264.008+/-576.407  $\chi^2/\text{NDF}$ : 14.8/16

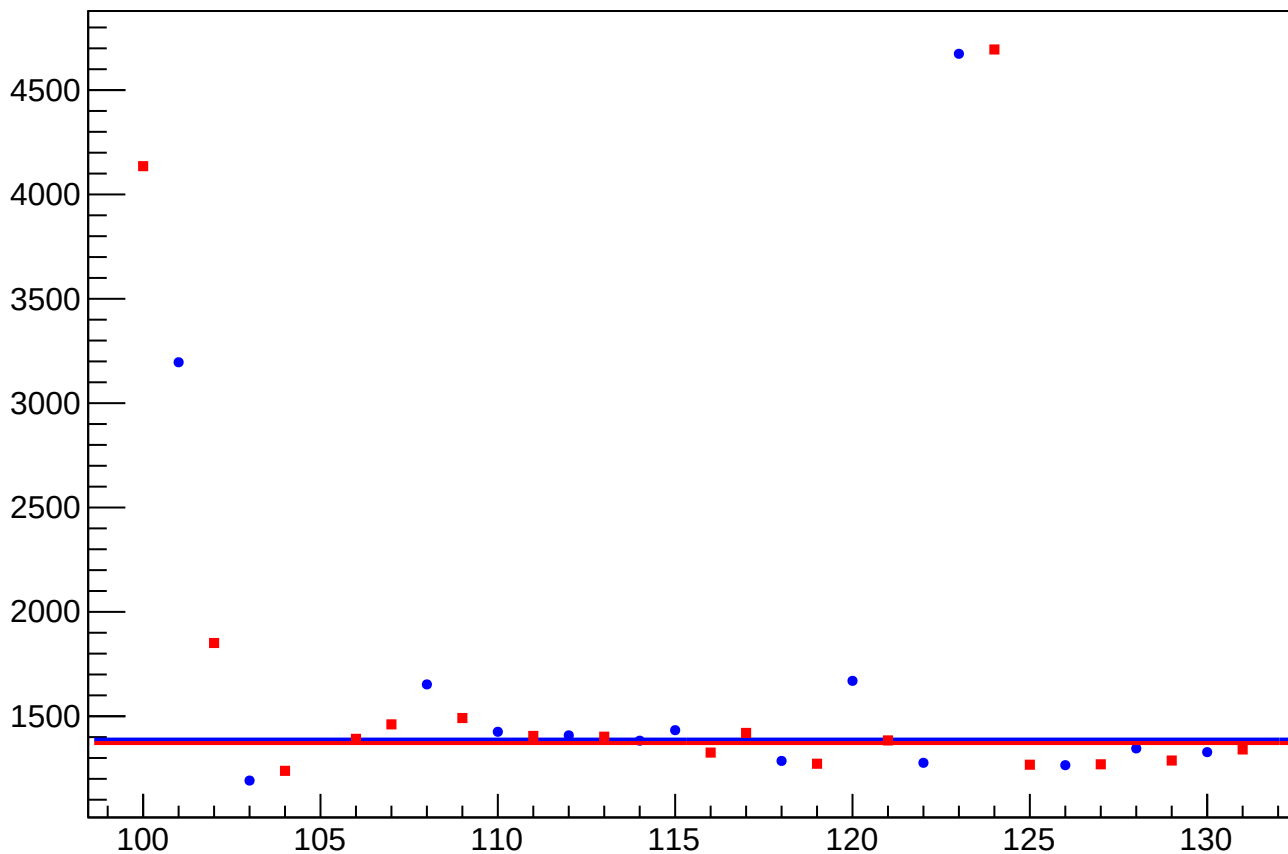
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

30.720+/-622.233  $\chi^2/\text{NDF}$ : 10.9/13

-127.895+/-422.855  $\chi^2/\text{NDF}$ : 25.8/30

-264.008+/-576.407  $\chi^2/\text{NDF}$ : 14.8/16

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



Right In: 1388.174+/-0.440  $\chi^2/\text{NDF}$ : 501802.6/13

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

Right Out: 1371.463+/-0.407  $\chi^2/\text{NDF}$ : 308921.6/16

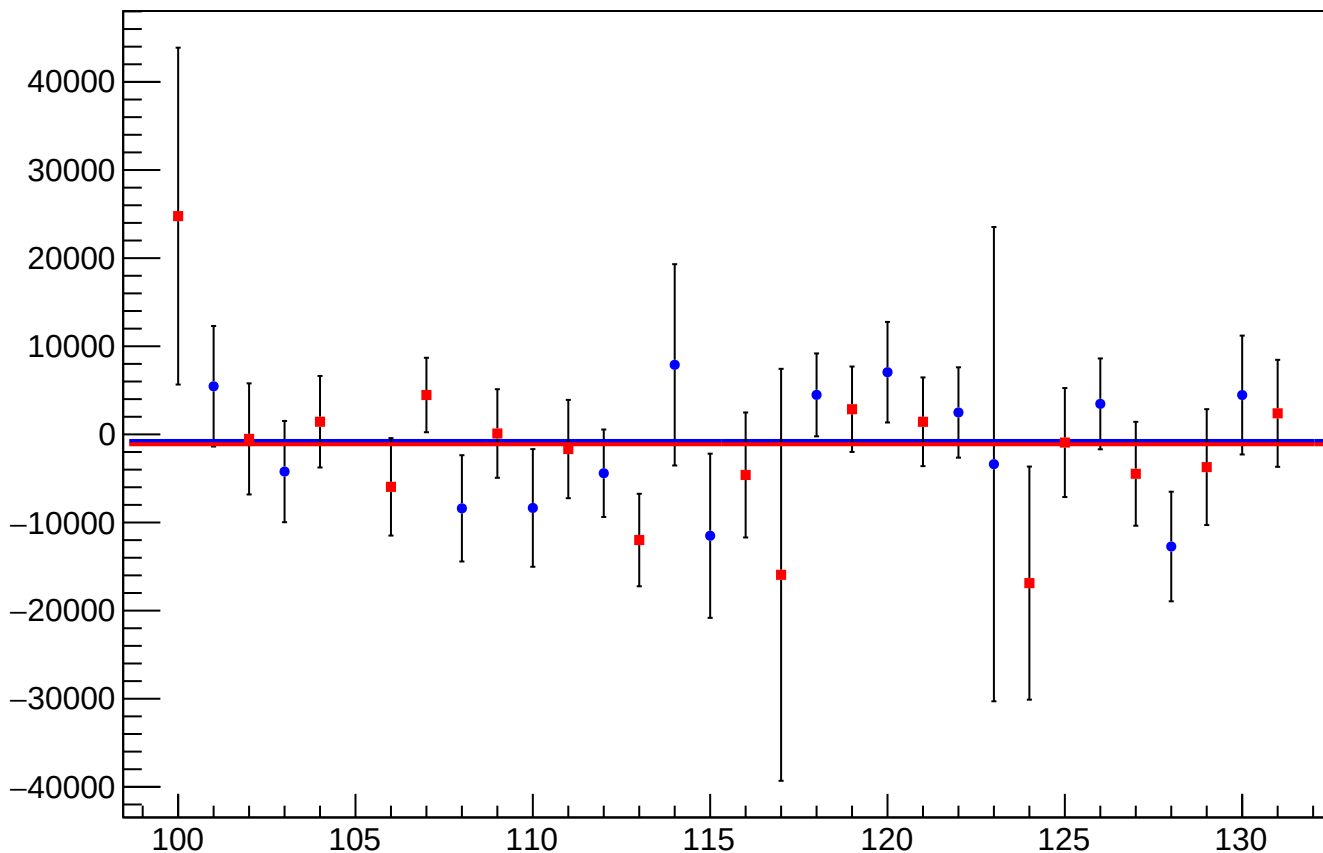
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1388.174+/-0.440  $\chi^2/\text{NDF}$ : 501802.6/13

1379.175+/-0.299  $\chi^2/\text{NDF}$ : 811501.0/30

1371.463+/-0.407  $\chi^2/\text{NDF}$ : 308921.6/16

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



Right In: -748.996+/-1661.571  $\chi^2/\text{NDF}$ : 15.0/13

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

Right Out: -1120.692+/-1448.901  $\chi^2/\text{NDF}$ : 12.8/16

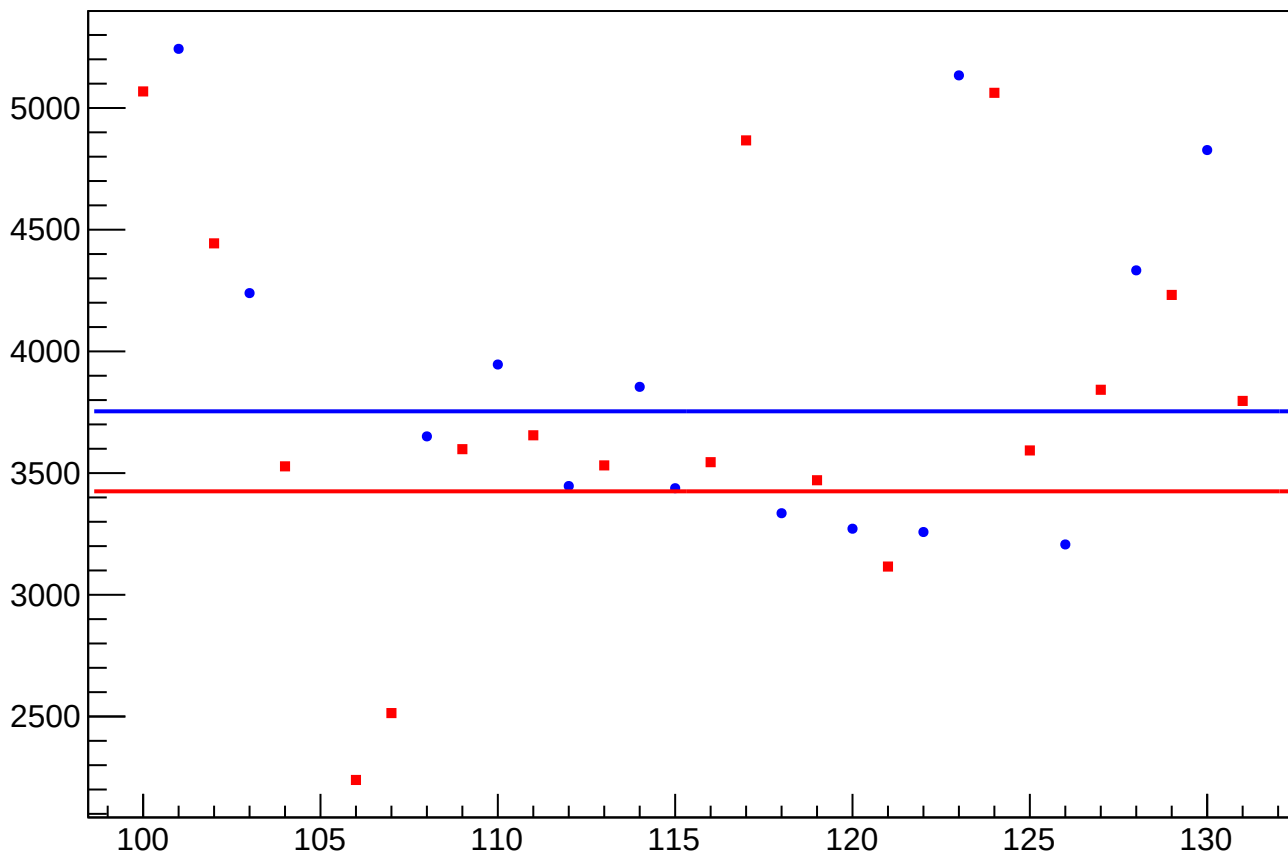
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-748.996+/-1661.571  $\chi^2/\text{NDF}$ : 15.0/13

-960.139+/-1092.028  $\chi^2/\text{NDF}$ : 27.8/30

-1120.692+/-1448.901  $\chi^2/\text{NDF}$ : 12.8/16

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



Right In: 3753.839+/-1.175  $\chi^2/\text{NDF}$ : 266119.0/13

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

Right Out: 3425.089+/-1.014  $\chi^2/\text{NDF}$ : 382243.1/16

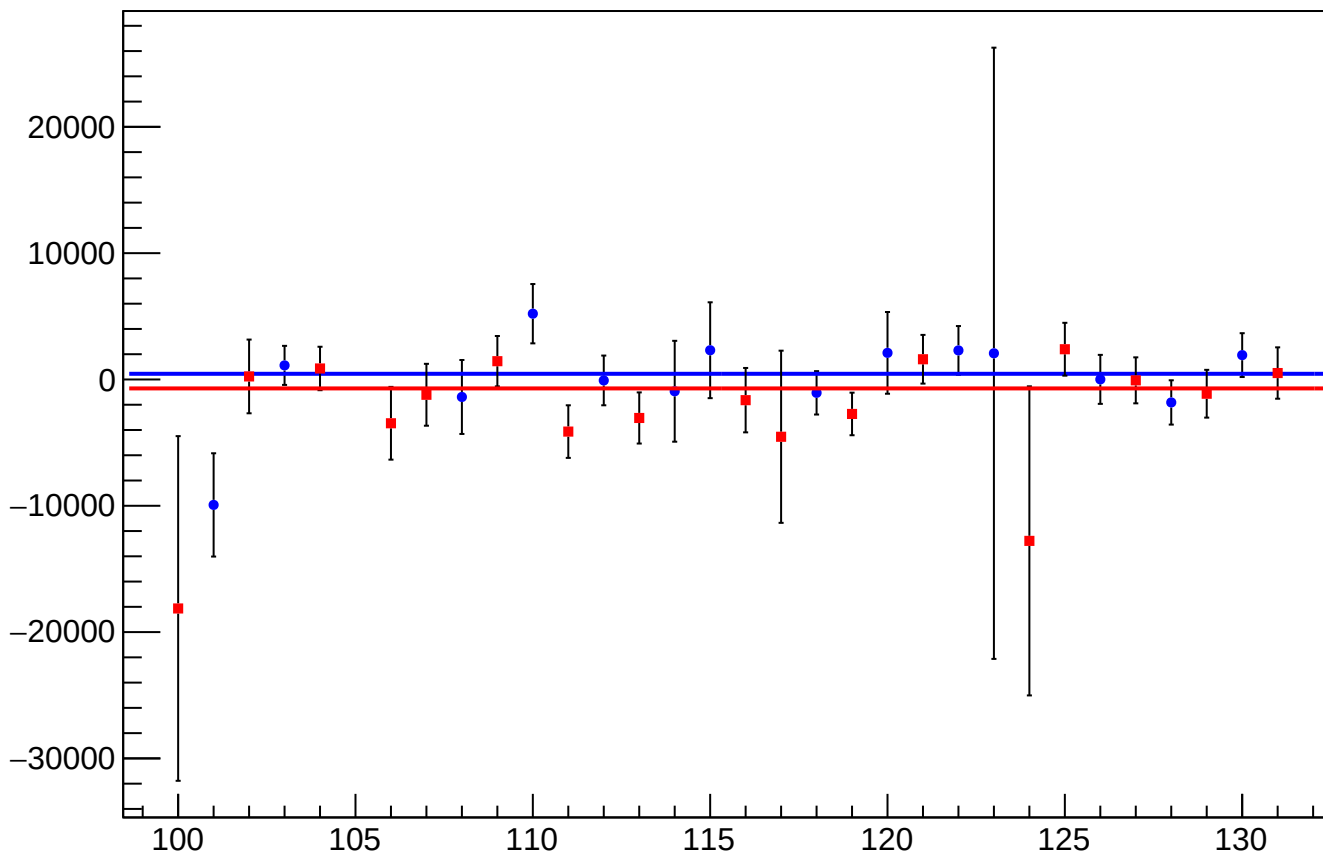
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3753.839+/-1.175  $\chi^2/\text{NDF}$ : 266119.0/13

3565.474+/-0.768  $\chi^2/\text{NDF}$ : 693224.9/30

3425.089+/-1.014  $\chi^2/\text{NDF}$ : 382243.1/16

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



Right In: 449.204 $\pm$ 598.174  $\chi^2$ /NDF: 16.0/13

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

Right Out: -708.420 $\pm$ 548.079  $\chi^2$ /NDF: 15.8/16

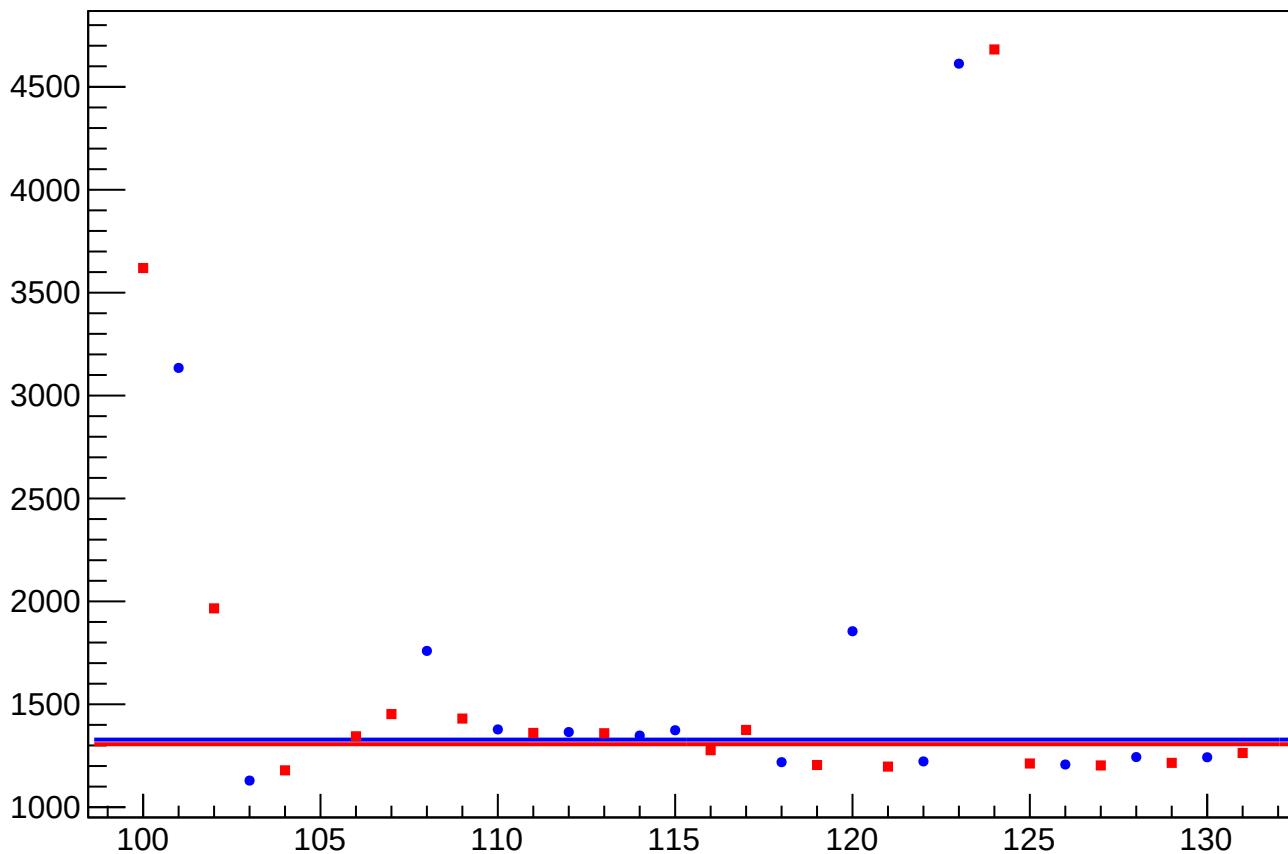
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

449.204 $\pm$ 598.174  $\chi^2$ /NDF: 16.0/13

-180.104 $\pm$ 404.102  $\chi^2$ /NDF: 33.8/30

-708.420 $\pm$ 548.079  $\chi^2$ /NDF: 15.8/16

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



Right In: 1328.364+/-0.423  $\chi^2/\text{NDF}$ : 590014.7/13

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

Right Out: 1305.897+/-0.388  $\chi^2/\text{NDF}$ : 371035.4/16

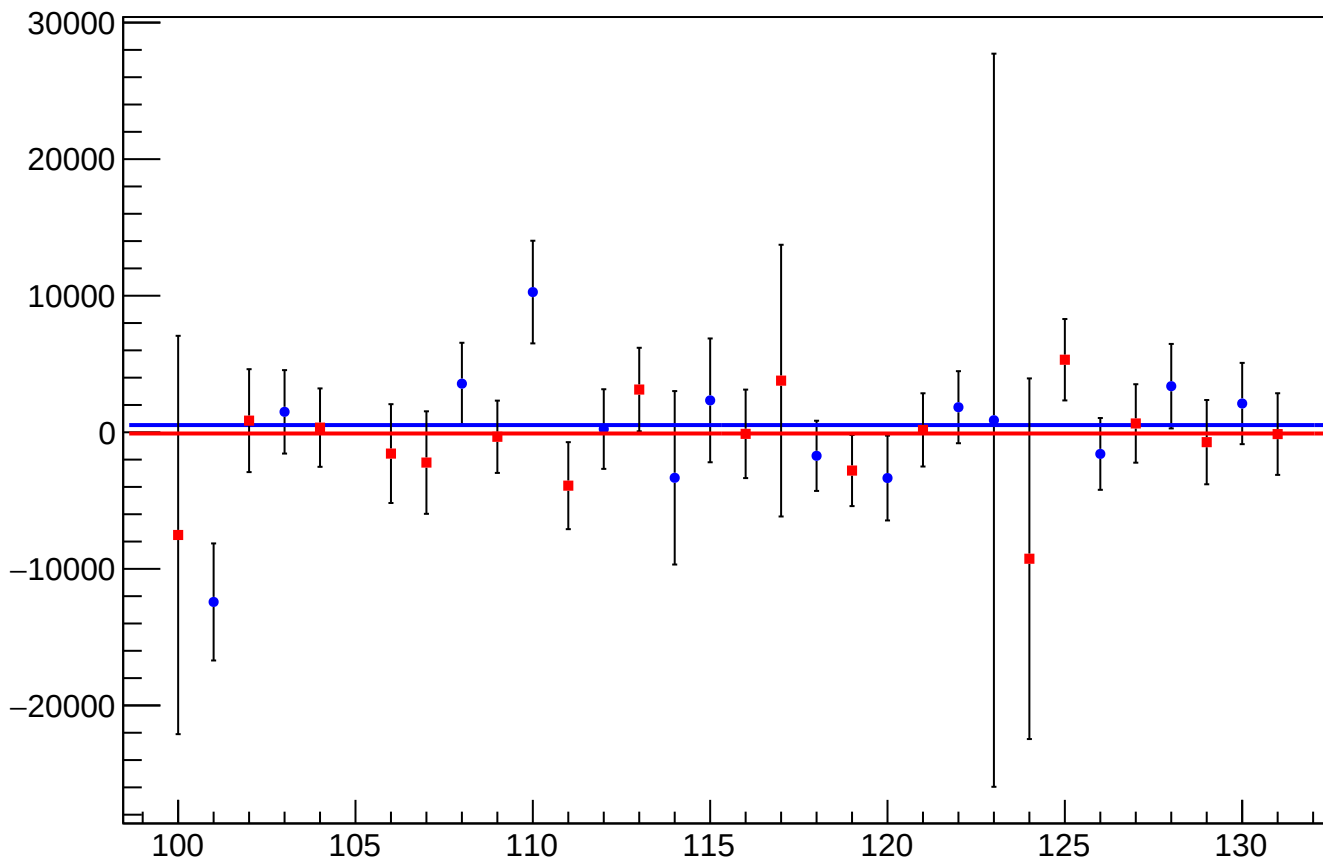
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1328.364+/-0.423  $\chi^2/\text{NDF}$ : 590014.7/13

1316.150+/-0.286  $\chi^2/\text{NDF}$ : 962583.9/30

1305.897+/-0.388  $\chi^2/\text{NDF}$ : 371035.4/16

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



Right In: 528.845+/-877.963  $\chi^2/\text{NDF}$ : 21.9/13

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

Right Out: -88.463+/-805.648  $\chi^2/\text{NDF}$ : 8.5/16

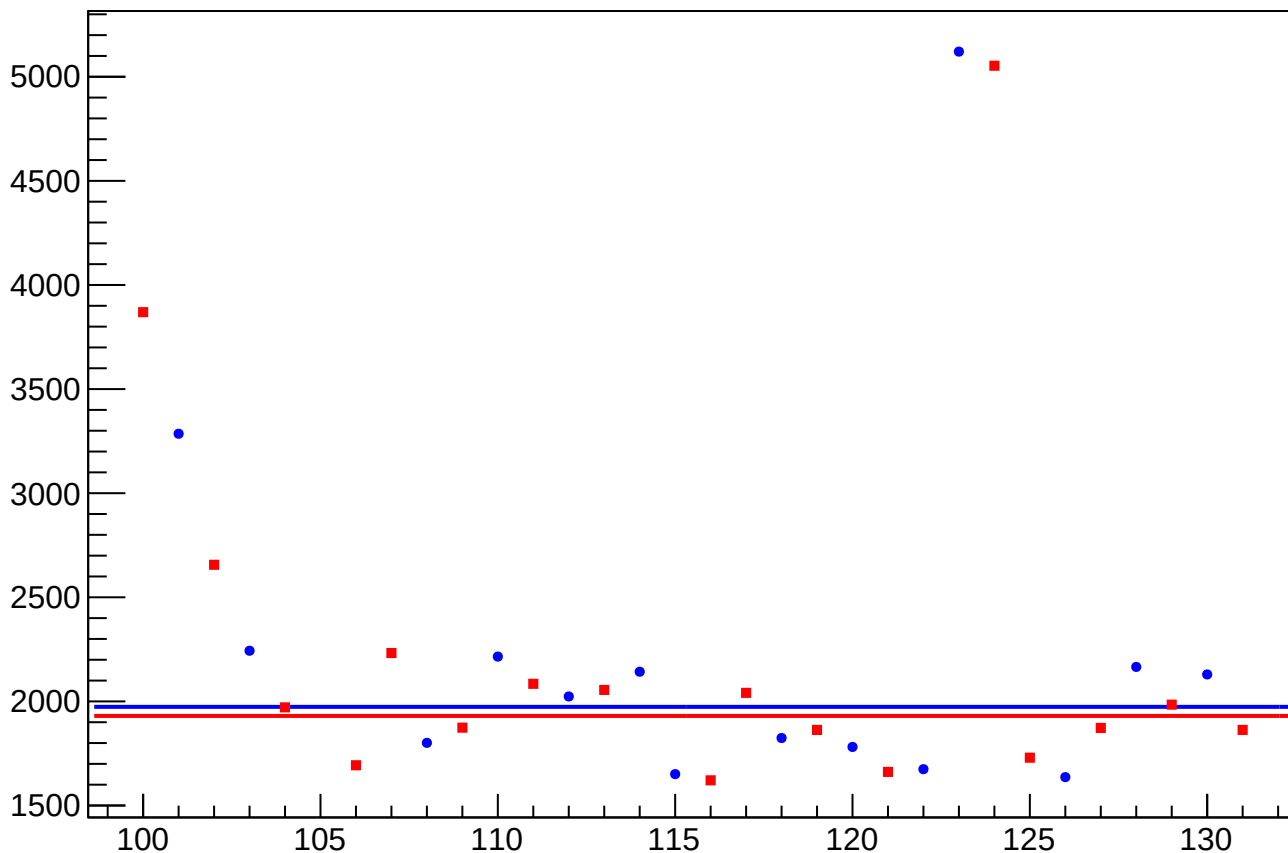
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

528.845+/-877.963  $\chi^2/\text{NDF}$ : 21.9/13

193.725+/-593.601  $\chi^2/\text{NDF}$ : 30.6/30

-88.463+/-805.648  $\chi^2/\text{NDF}$ : 8.5/16

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



Right In: 1973.839+/-0.621  $\chi^2/\text{NDF}$ : 343875.2/13

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

Right Out: 1930.209+/-0.570  $\chi^2/\text{NDF}$ : 303766.8/16

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

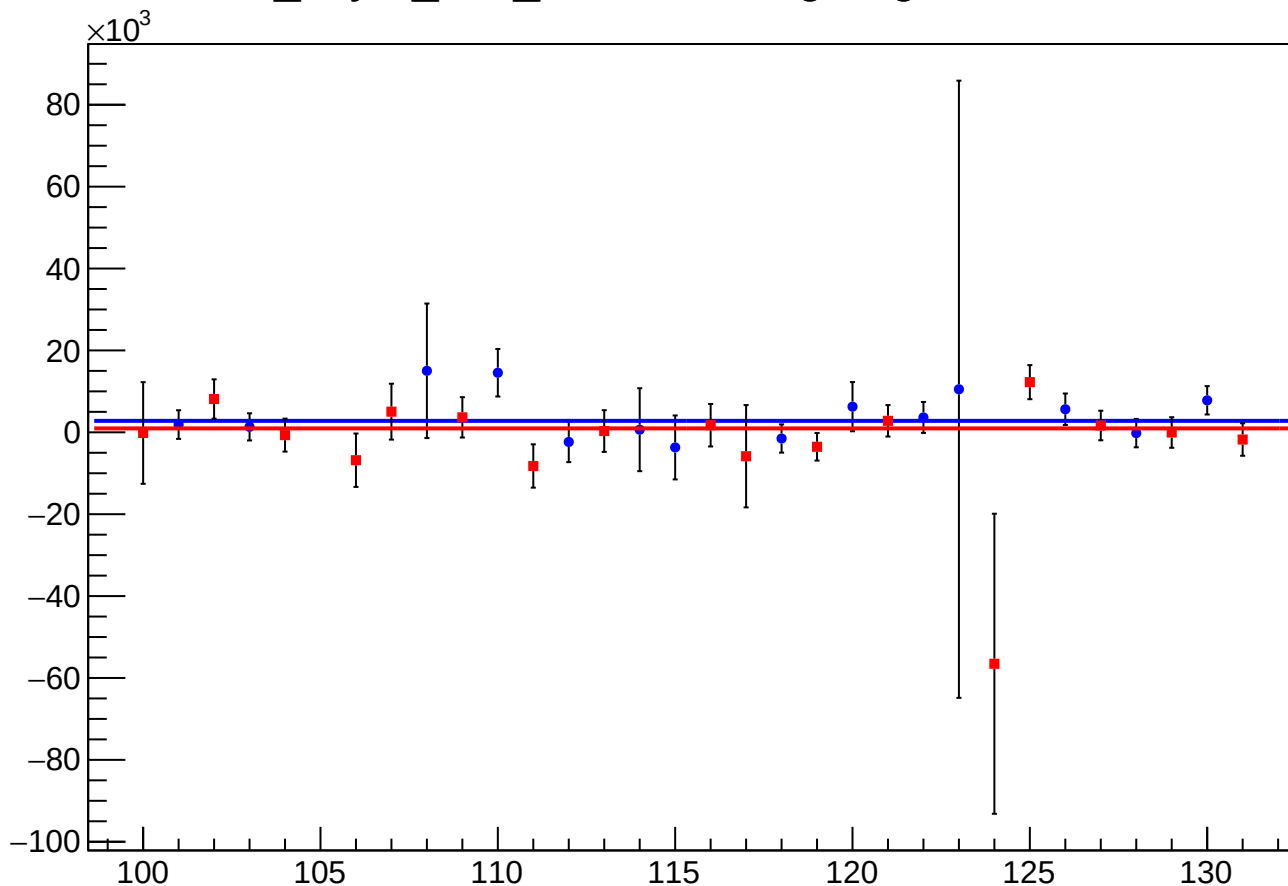
1973.839+/-0.621  $\chi^2/\text{NDF}$ : 343875.2/13

1950.154+/-0.420  $\chi^2/\text{NDF}$ : 650323.4/30

1930.209+/-0.570  $\chi^2/\text{NDF}$ : 303766.8/16



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



Right In: 2800.642 $\pm$ 1204.858  $\chi^2$ /NDF: 12.1/13

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

Right Out: 954.381 $\pm$ 1160.887  $\chi^2$ /NDF: 20.2/16

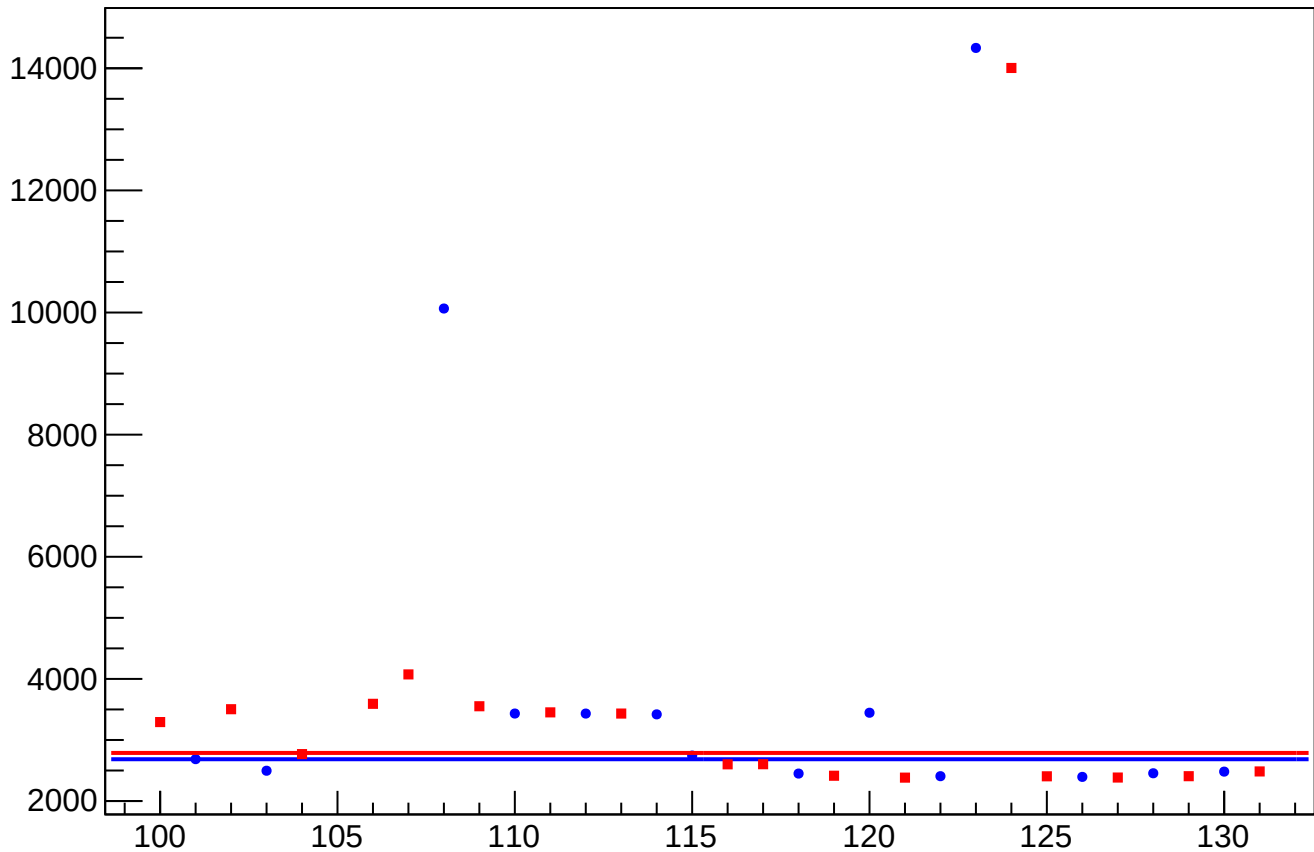
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2800.642 $\pm$ 1204.858  $\chi^2$ /NDF: 12.1/13

1843.208 $\pm$ 835.984  $\chi^2$ /NDF: 33.5/30

954.381 $\pm$ 1160.887  $\chi^2$ /NDF: 20.2/16

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



Right In: 2684.543+/-0.852  $\chi^2/\text{NDF}$ : 626897.2/13

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

Right Out: 2787.768+/-0.821  $\chi^2/\text{NDF}$ : 572564.4/16

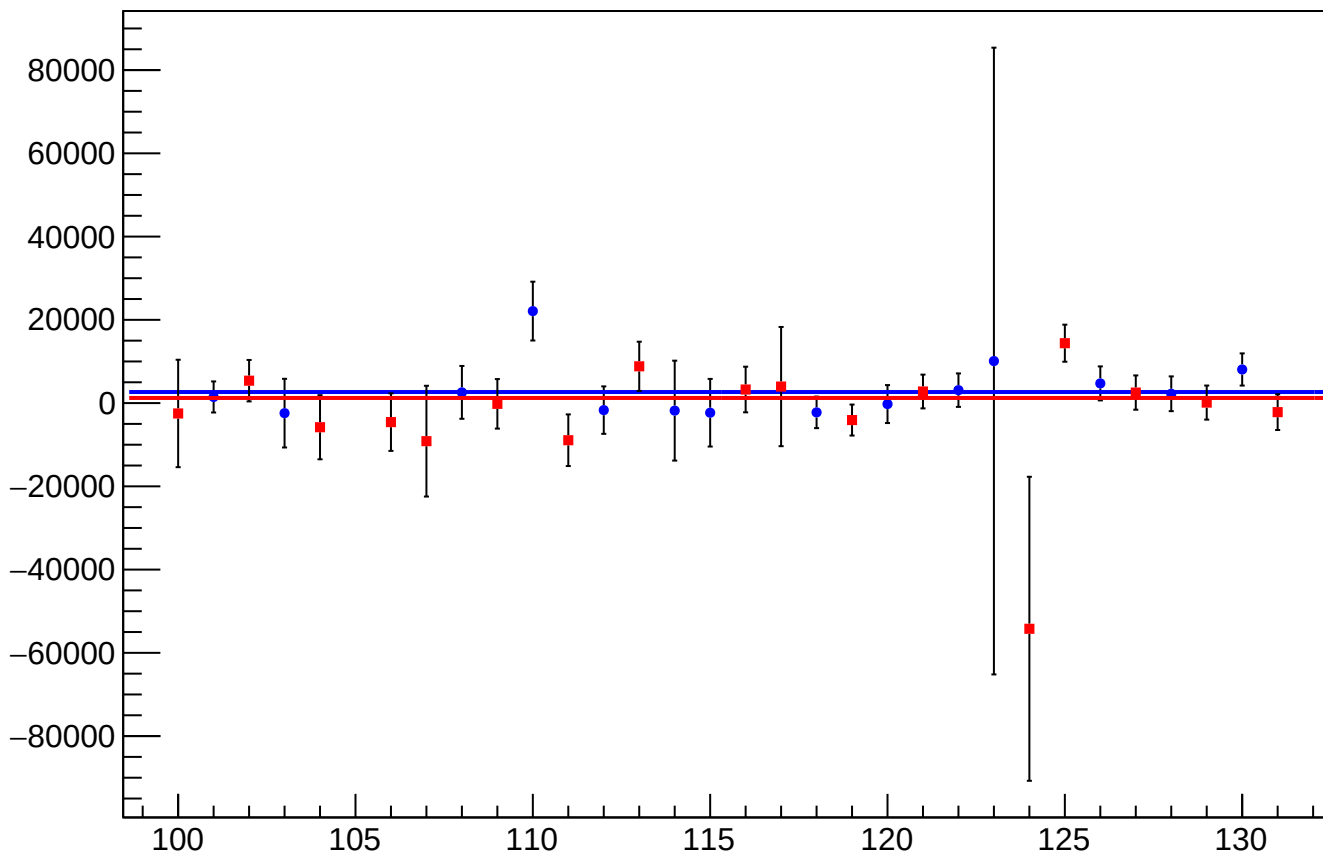
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2684.543+/-0.852  $\chi^2/\text{NDF}$ : 626897.2/13

2738.073+/-0.591  $\chi^2/\text{NDF}$ : 1207074.5/30

2787.768+/-0.821  $\chi^2/\text{NDF}$ : 572564.4/16

# asym\_atl1\_mean vs Slug, Sign Corrected



Right In: 2656.064+/-1350.566  $\chi^2/\text{NDF}$ : 13.5/13

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

Right Out: 1231.462+/-1327.037  $\chi^2/\text{NDF}$ : 21.5/16

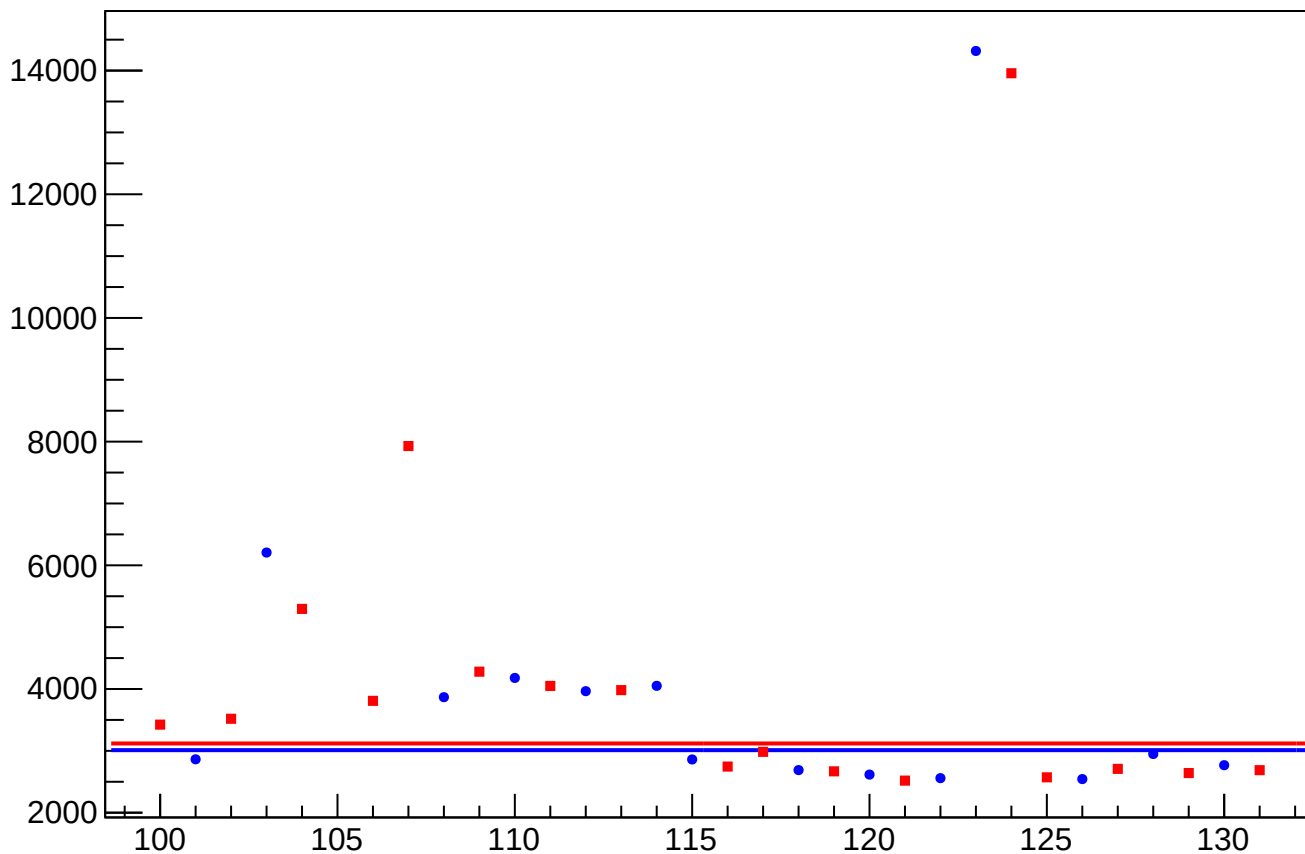
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2656.064+/-1350.566  $\chi^2/\text{NDF}$ : 13.5/13

1931.245+/-946.566  $\chi^2/\text{NDF}$ : 35.5/30

1231.462+/-1327.037  $\chi^2/\text{NDF}$ : 21.5/16

# asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 3011.022+/-0.955  $\chi^2/\text{NDF}$ : 600446.9/13

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

Right Out: 3119.261+/-0.938  $\chi^2/\text{NDF}$ : 974813.9/16

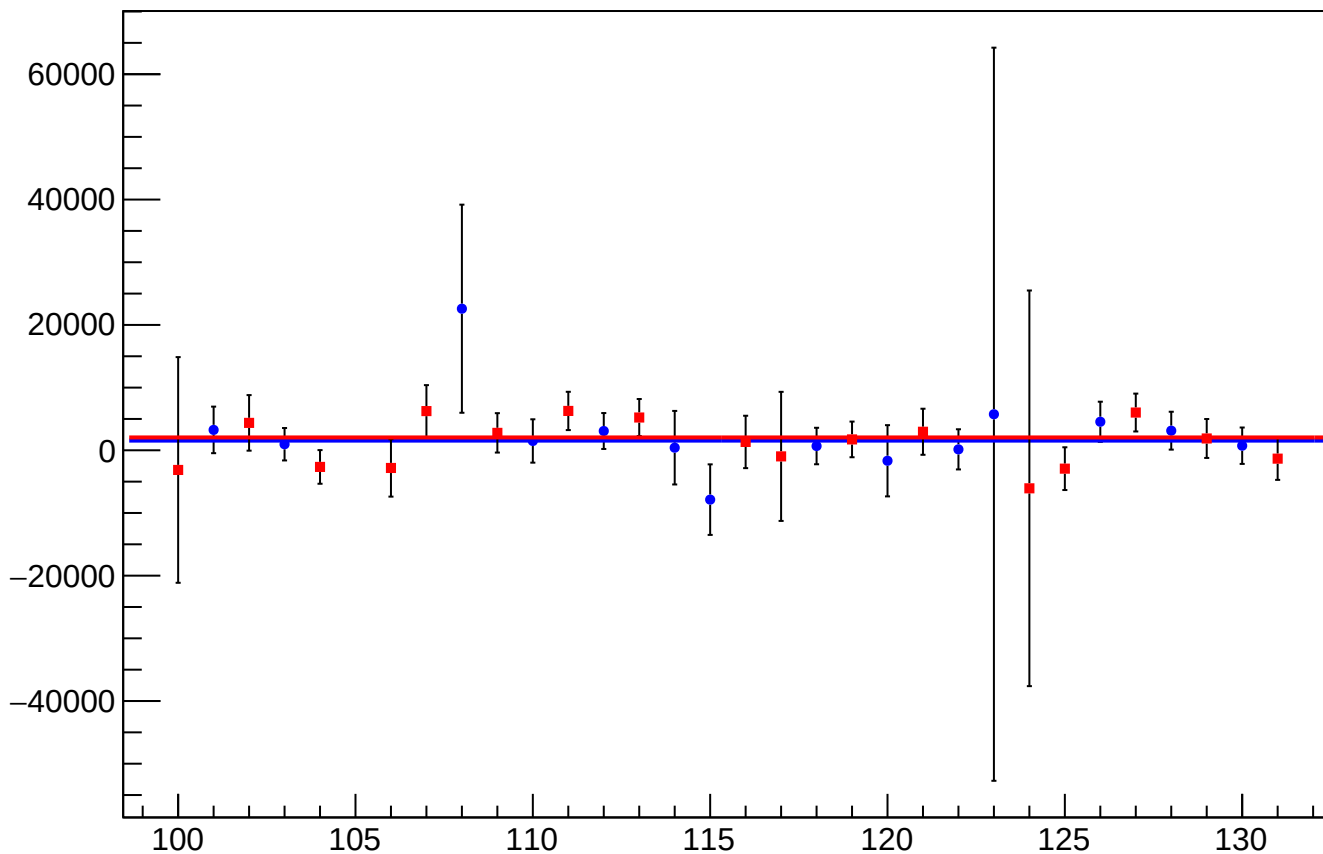
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3011.022+/-0.955  $\chi^2/\text{NDF}$ : 600446.9/13

3066.093+/-0.669  $\chi^2/\text{NDF}$ : 1581796.6/30

3119.261+/-0.938  $\chi^2/\text{NDF}$ : 974813.9/16

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



Right In: 1544.378+/-969.338  $\chi^2/\text{NDF}$ : 6.8/13

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

Right Out: 2050.628+/-885.951  $\chi^2/\text{NDF}$ : 13.8/16

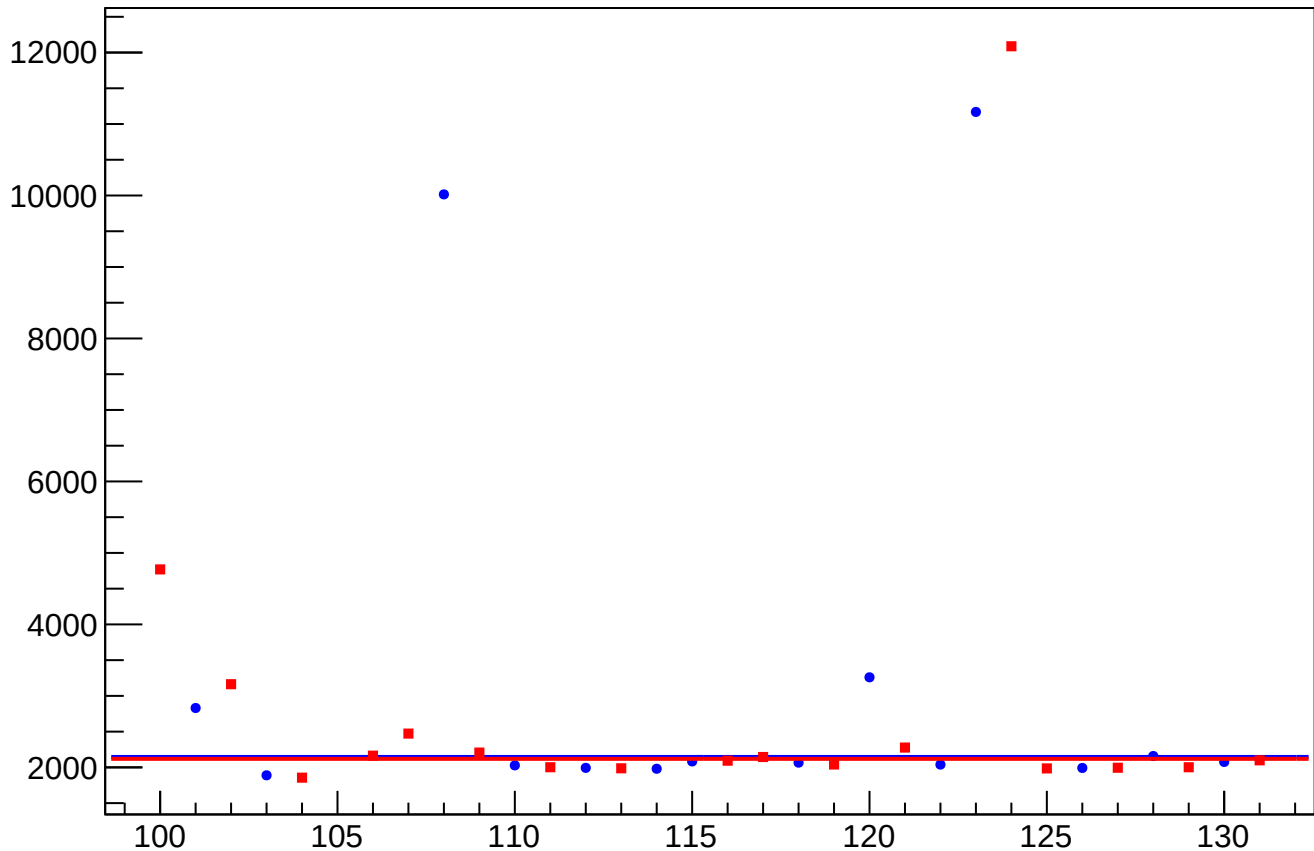
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1544.378+/-969.338  $\chi^2/\text{NDF}$ : 6.8/13

1820.211+/-653.958  $\chi^2/\text{NDF}$ : 20.8/30

2050.628+/-885.951  $\chi^2/\text{NDF}$ : 13.8/16

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



Right In: 2145.805+/-0.685  $\chi^2/\text{NDF}$ : 681079.5/13

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

Right Out: 2119.435+/-0.626  $\chi^2/\text{NDF}$ : 411053.0/16

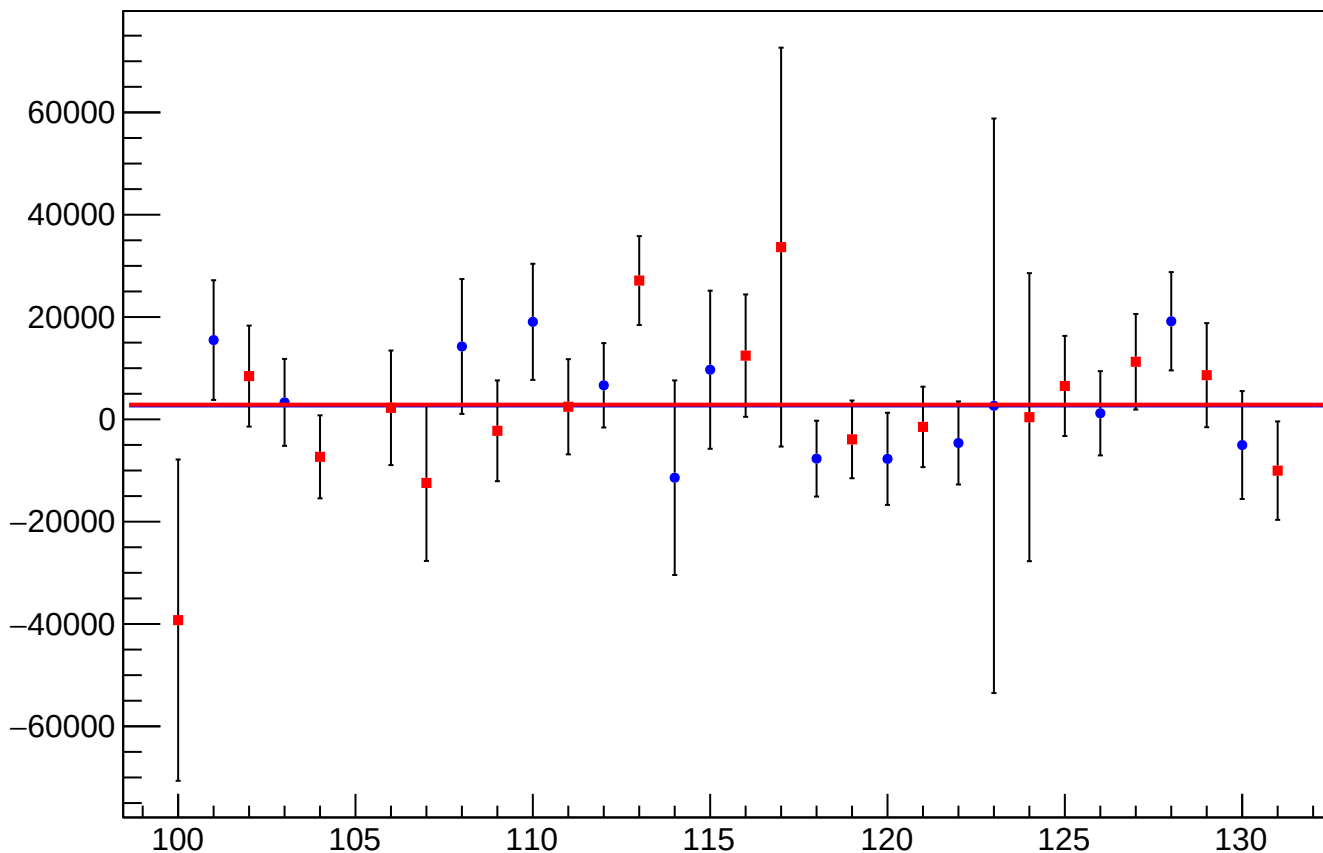
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2145.805+/-0.685  $\chi^2/\text{NDF}$ : 681079.5/13

2131.427+/-0.462  $\chi^2/\text{NDF}$ : 1092939.6/30

2119.435+/-0.626  $\chi^2/\text{NDF}$ : 411053.0/16

# asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 2717.193+/-2702.365  $\chi^2$ /NDF: 12.7/13

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

Right Out: 2871.810+/-2510.513  $\chi^2$ /NDF: 18.2/16

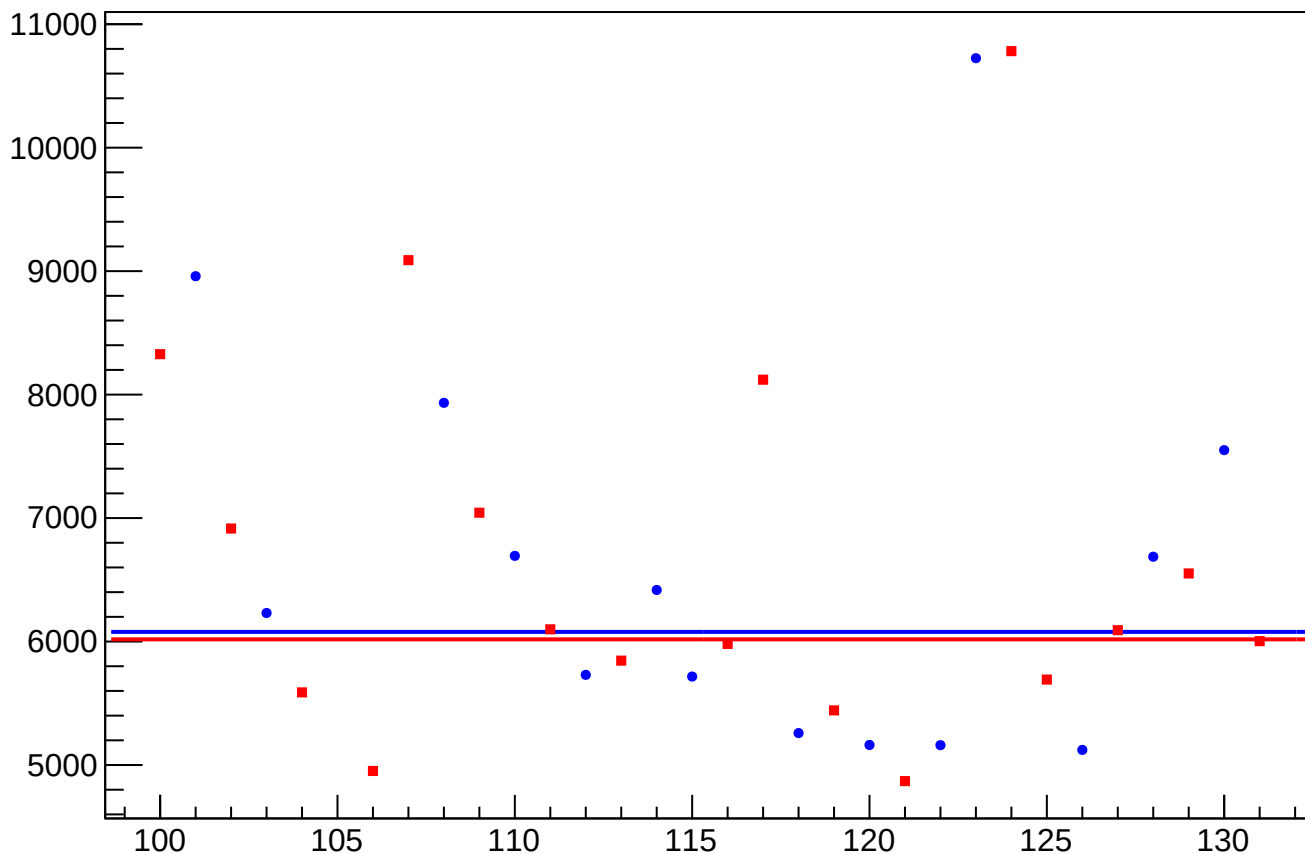
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

2717.193+/-2702.365  $\chi^2$ /NDF: 12.7/13

2800.184+/-1839.289  $\chi^2$ /NDF: 30.9/30

2871.810+/-2510.513  $\chi^2$ /NDF: 18.2/16

# asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 6078.157+/-1.911  $\chi^2/\text{NDF}$ : 331065.1/13

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

Right Out: 6017.717+/-1.775  $\chi^2/\text{NDF}$ : 280013.4/16

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

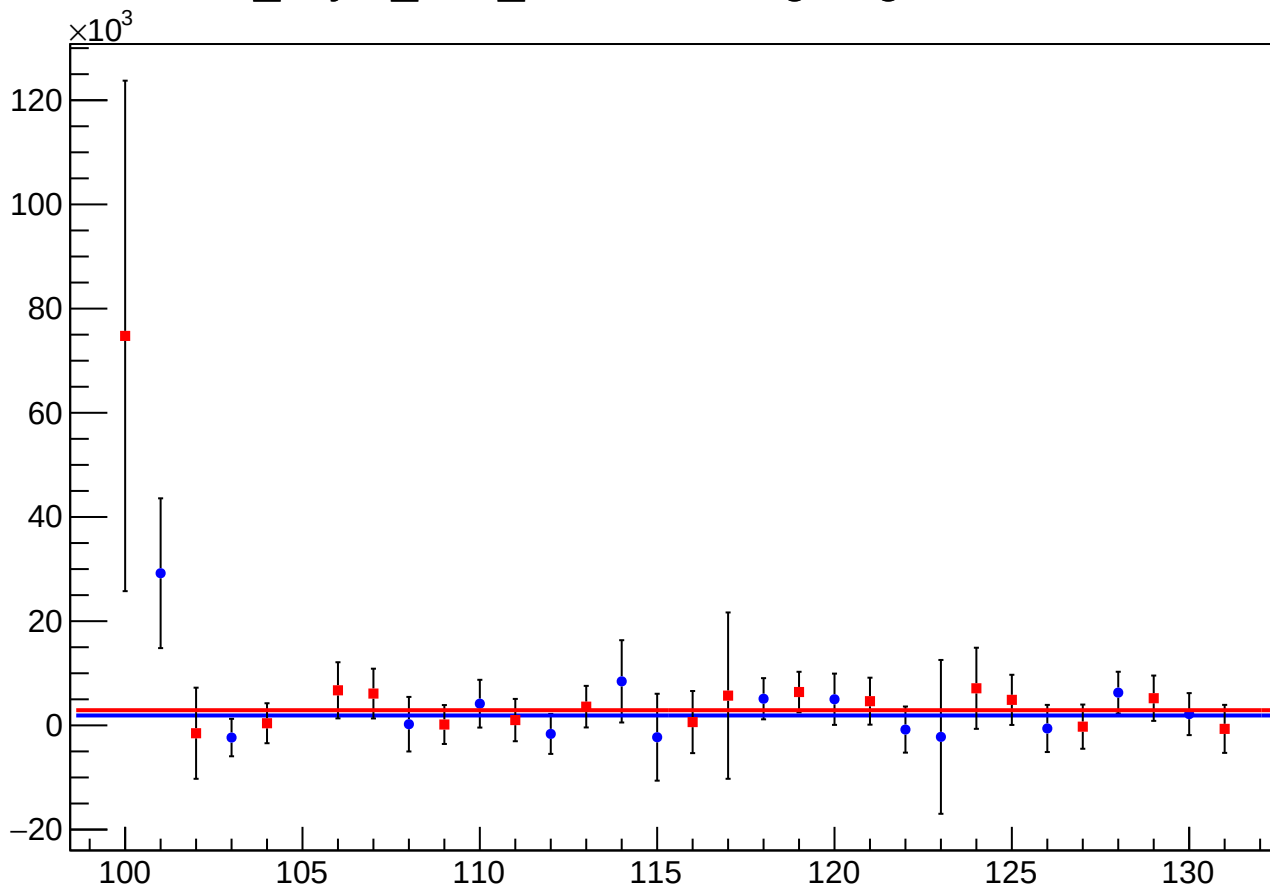
6078.157+/-1.911  $\chi^2/\text{NDF}$ : 331065.1/13

6045.714+/-1.301  $\chi^2/\text{NDF}$ : 611615.6/30

6017.717+/-1.775  $\chi^2/\text{NDF}$ : 280013.4/16



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



Right In: 1899.454+/-1293.009  $\chi^2/\text{NDF}$ : 10.2/13

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

Right Out: 2911.715+/-1180.497  $\chi^2/\text{NDF}$ : 7.6/16

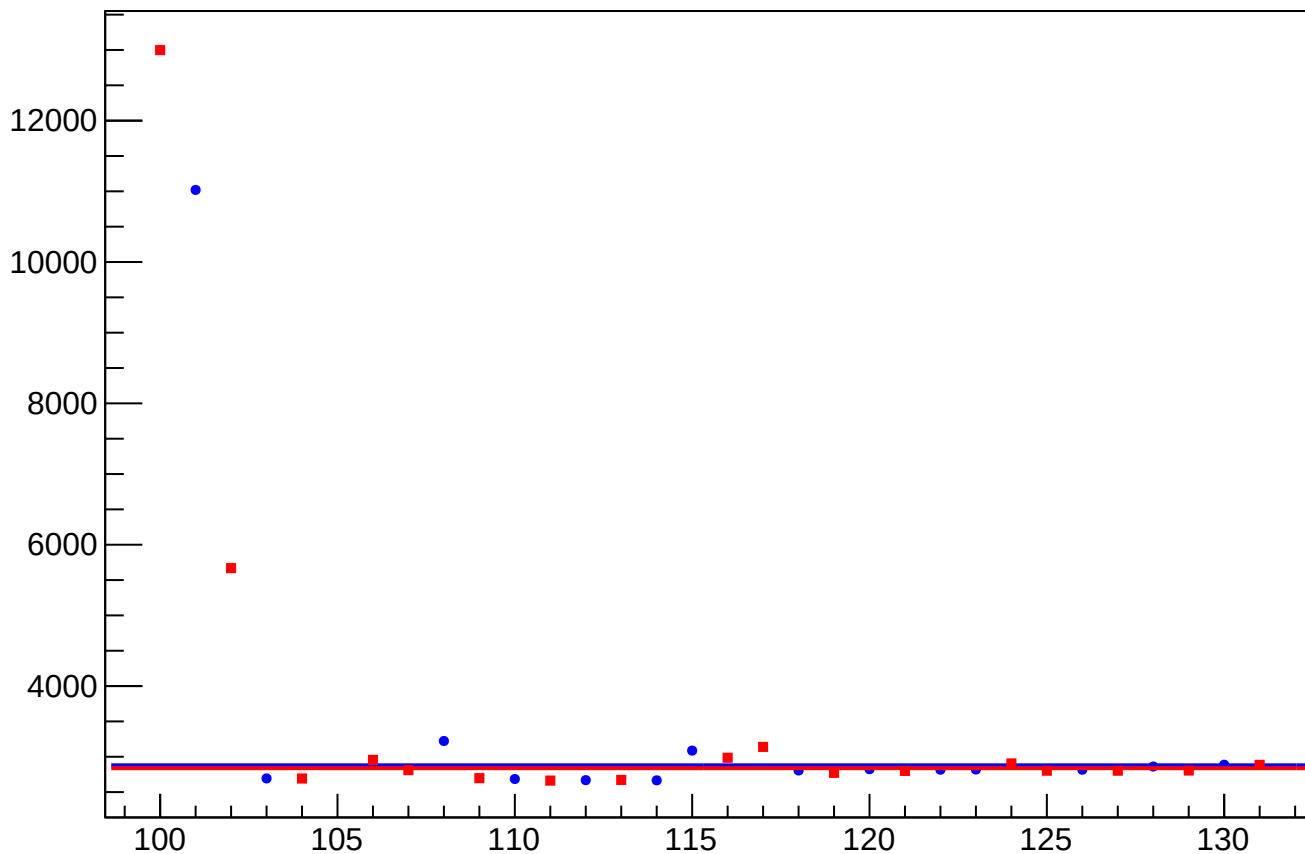
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1899.454+/-1293.009  $\chi^2/\text{NDF}$ : 10.2/13

2451.534+/-871.805  $\chi^2/\text{NDF}$ : 18.1/30

2911.715+/-1180.497  $\chi^2/\text{NDF}$ : 7.6/16

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



Right In: 2878.480+/-0.914  $\chi^2/\text{NDF}$ : 669304.7/13

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

Right Out: 2838.419+/-0.835  $\chi^2/\text{NDF}$ : 312887.9/16

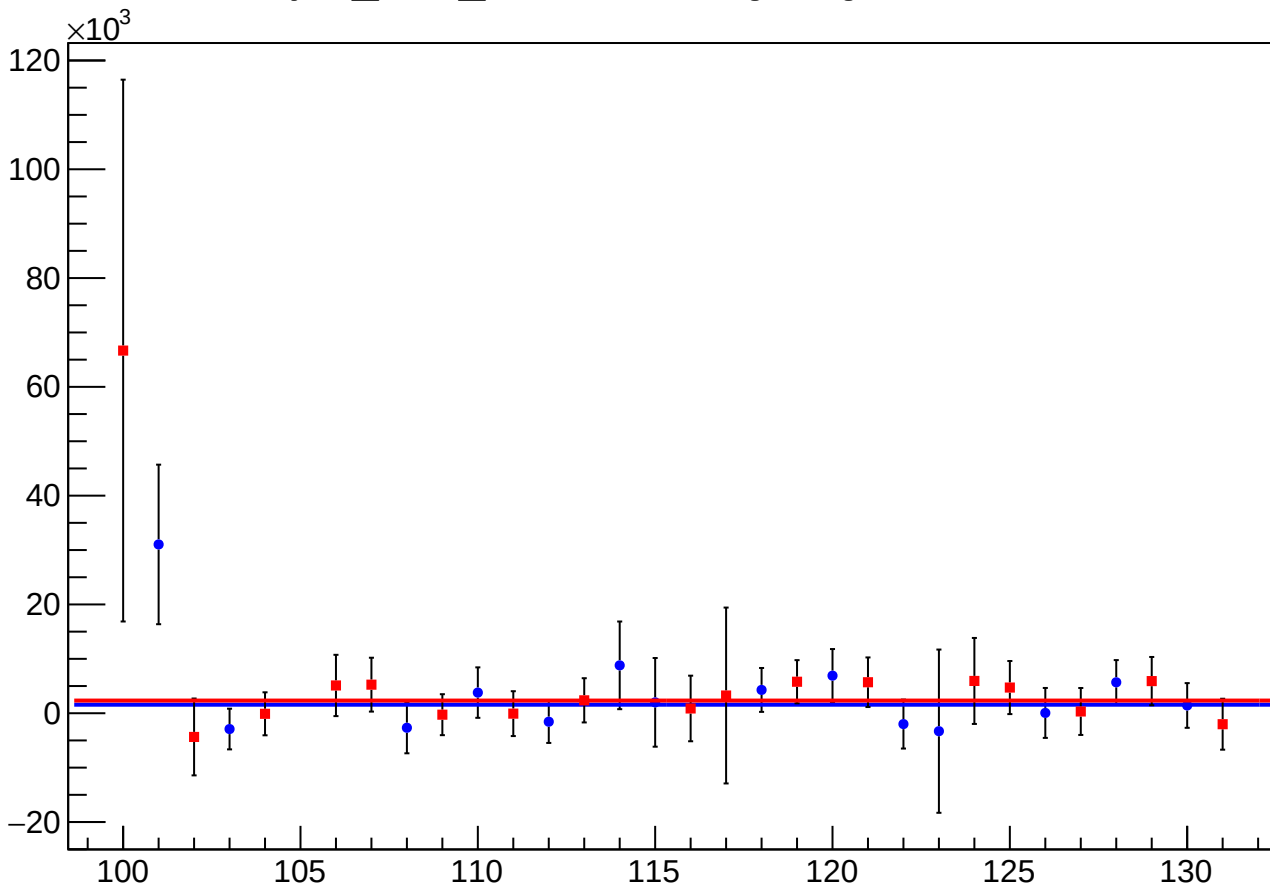
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2878.480+/-0.914  $\chi^2/\text{NDF}$ : 669304.7/13

2856.631+/-0.616  $\chi^2/\text{NDF}$ : 983239.7/30

2838.419+/-0.835  $\chi^2/\text{NDF}$ : 312887.9/16

## asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 1568.842+/-1304.177     $\chi^2/\text{NDF}$ : 11.5/13

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

Right Out: 2329.536+/-1197.215     $\chi^2/\text{NDF}$ : 7.9/16

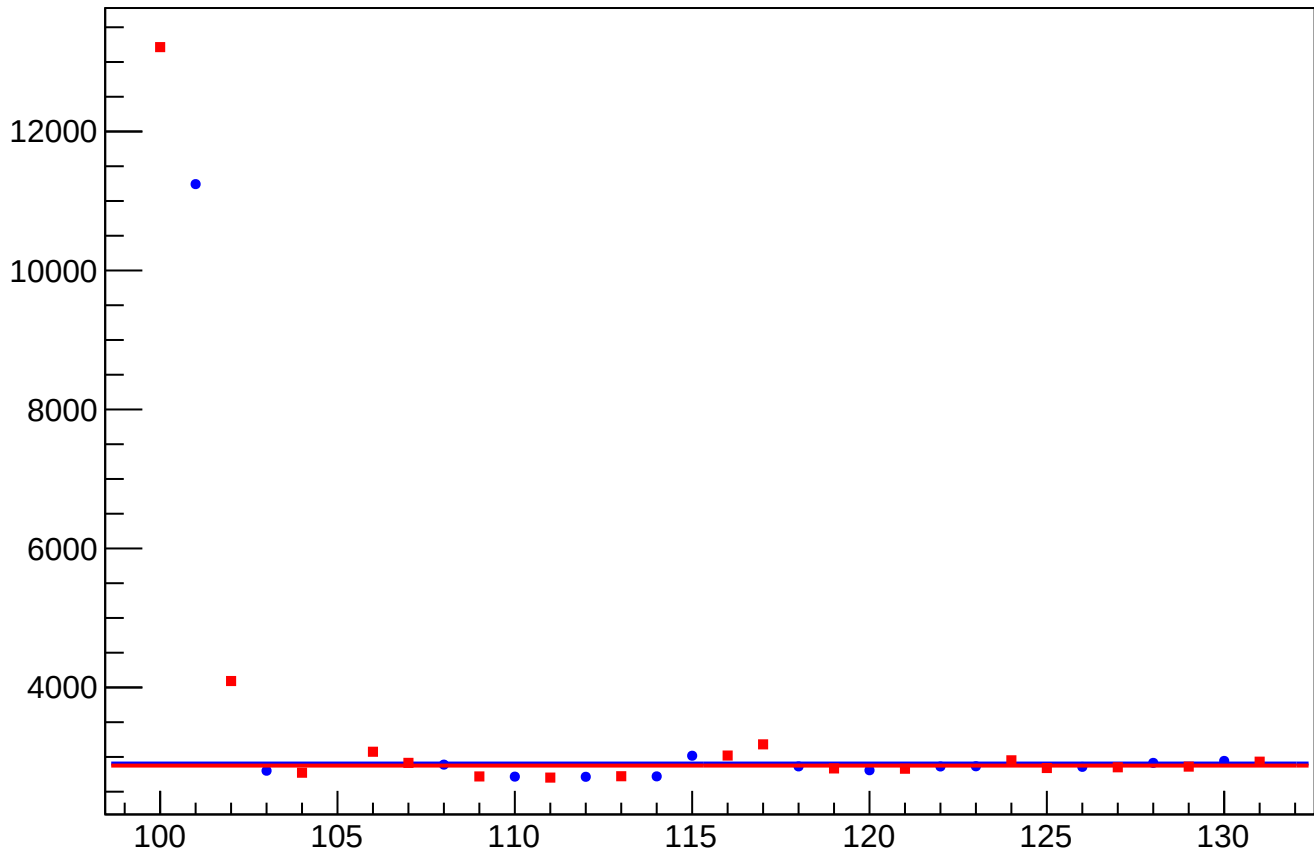
Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ :0.0/0

1568.842+/-1304.177     $\chi^2/\text{NDF}$ : 11.5/13

1981.658+/-881.953     $\chi^2/\text{NDF}$ : 19.5/30

2329.536+/-1197.215     $\chi^2/\text{NDF}$ : 7.9/16

# asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2905.043+/-0.922  $\chi^2/\text{NDF}$ : 659002.8/13

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

Right Out: 2875.746+/-0.847  $\chi^2/\text{NDF}$ : 162219.8/16

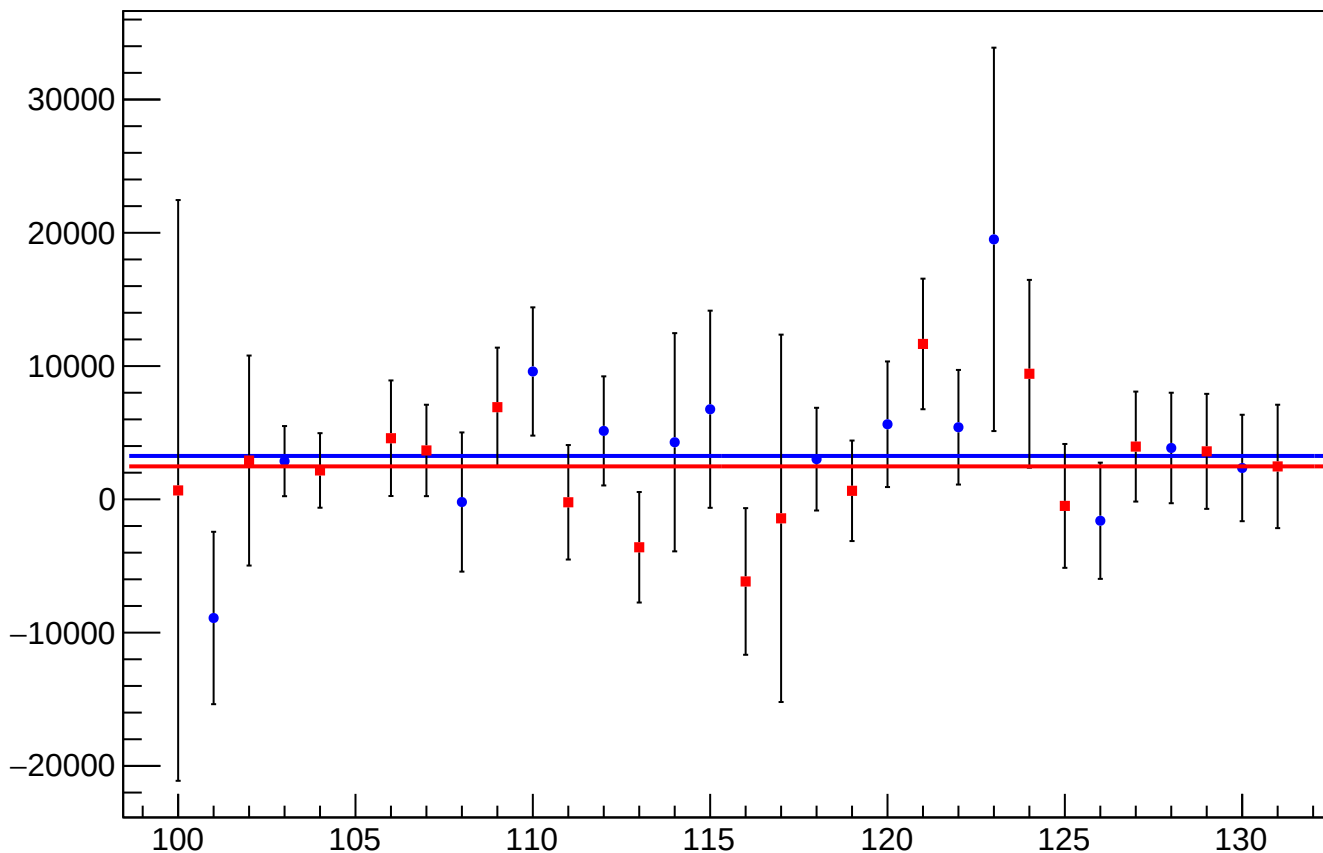
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2905.043+/-0.922  $\chi^2/\text{NDF}$ : 659002.8/13

2889.144+/-0.624  $\chi^2/\text{NDF}$ : 821770.4/30

2875.746+/-0.847  $\chi^2/\text{NDF}$ : 162219.8/16

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



Right In: 3256.752+/-1207.541  $\chi^2/\text{NDF}$ : 9.3/13

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

Right Out: 2474.303+/-1102.553  $\chi^2/\text{NDF}$ : 11.8/16

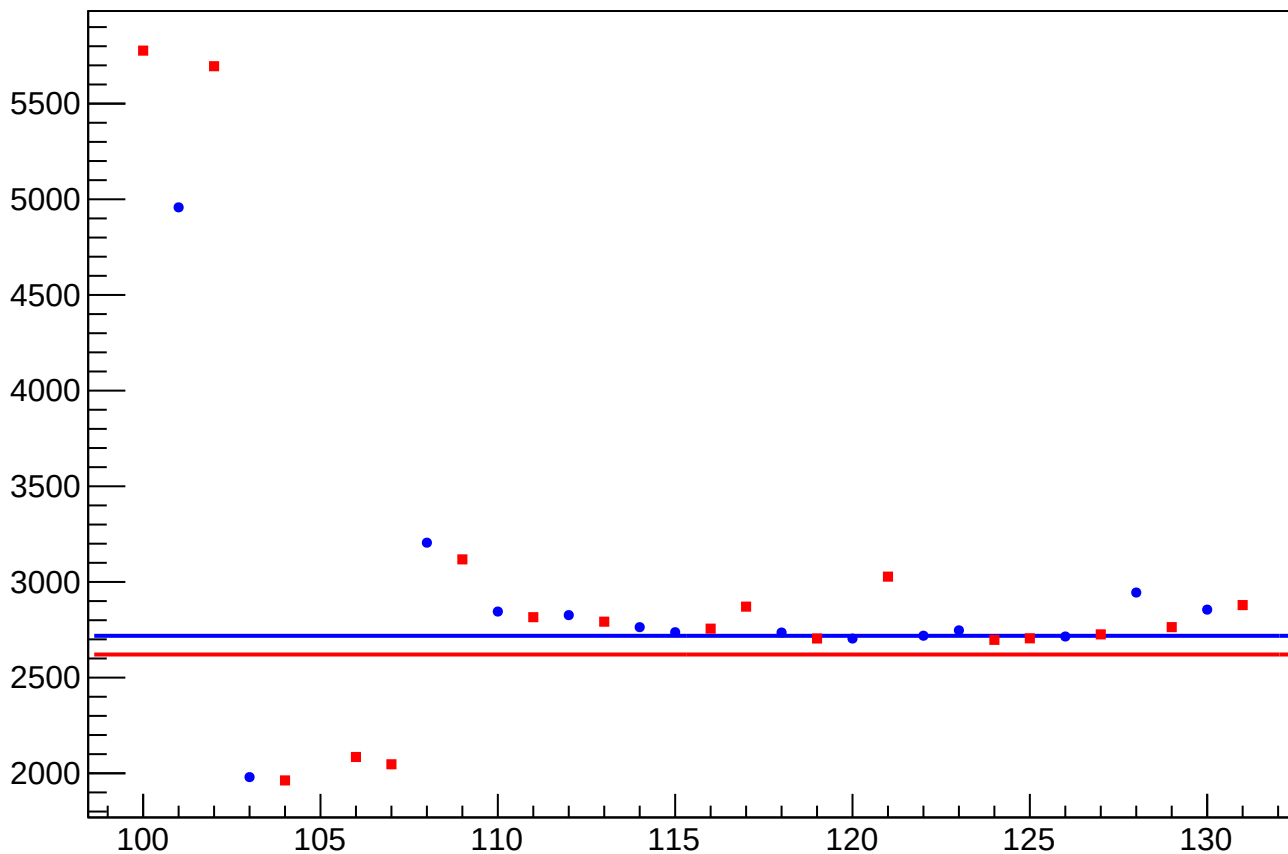
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3256.752+/-1207.541  $\chi^2/\text{NDF}$ : 9.3/13

2830.041+/-814.214  $\chi^2/\text{NDF}$ : 21.3/30

2474.303+/-1102.553  $\chi^2/\text{NDF}$ : 11.8/16

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



Right In: 2718.463 $\pm$ 0.854  $\chi^2$ /NDF: 425855.7/13

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

Right Out: 2620.766 $\pm$ 0.779  $\chi^2$ /NDF: 603714.0/16

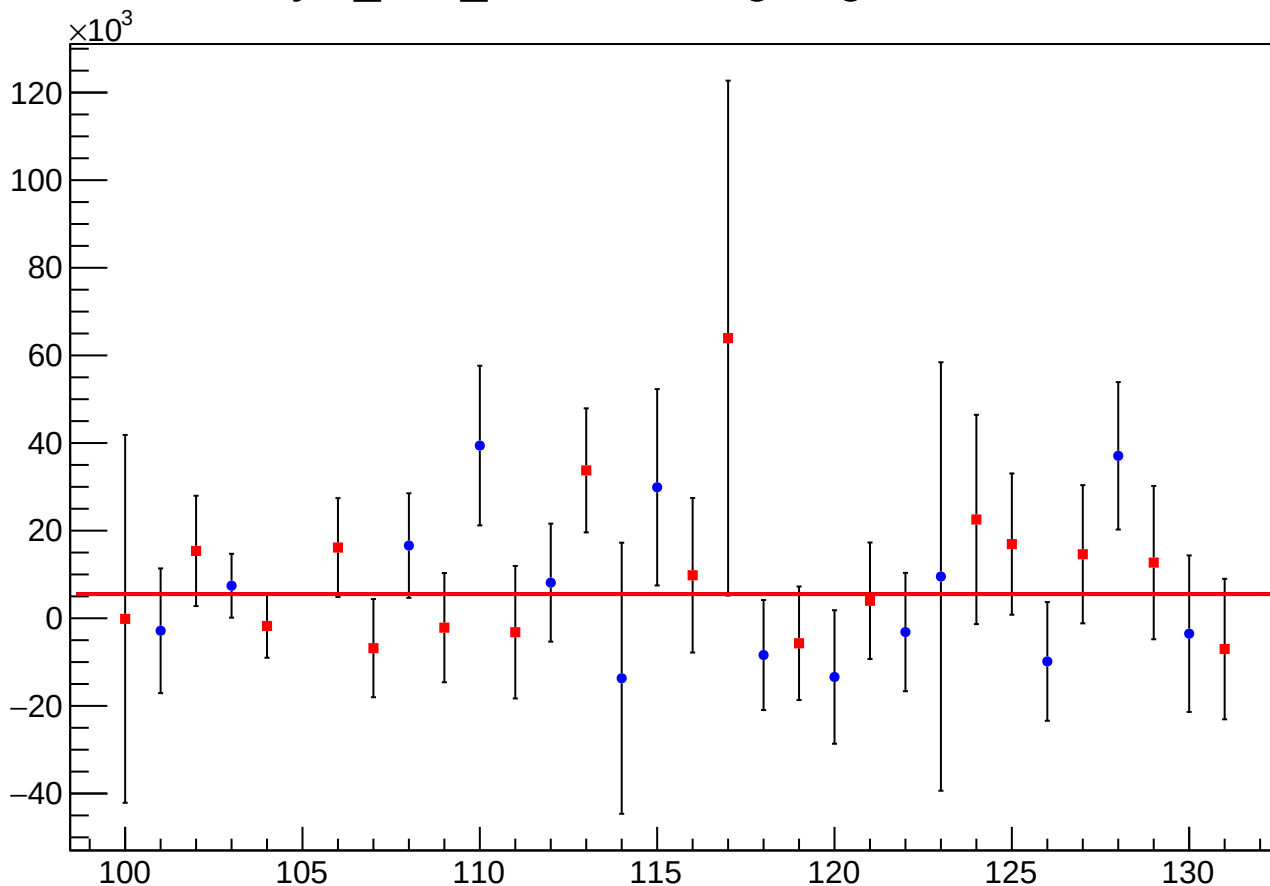
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2718.463 $\pm$ 0.854  $\chi^2$ /NDF: 425855.7/13

2665.166 $\pm$ 0.576  $\chi^2$ /NDF: 1036711.5/30

2620.766 $\pm$ 0.779  $\chi^2$ /NDF: 603714.0/16

# asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 5539.054+/-3753.332  $\chi^2/\text{NDF}$ : 14.6/13

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

Right Out: 5516.635+/-3344.627  $\chi^2/\text{NDF}$ : 12.4/16

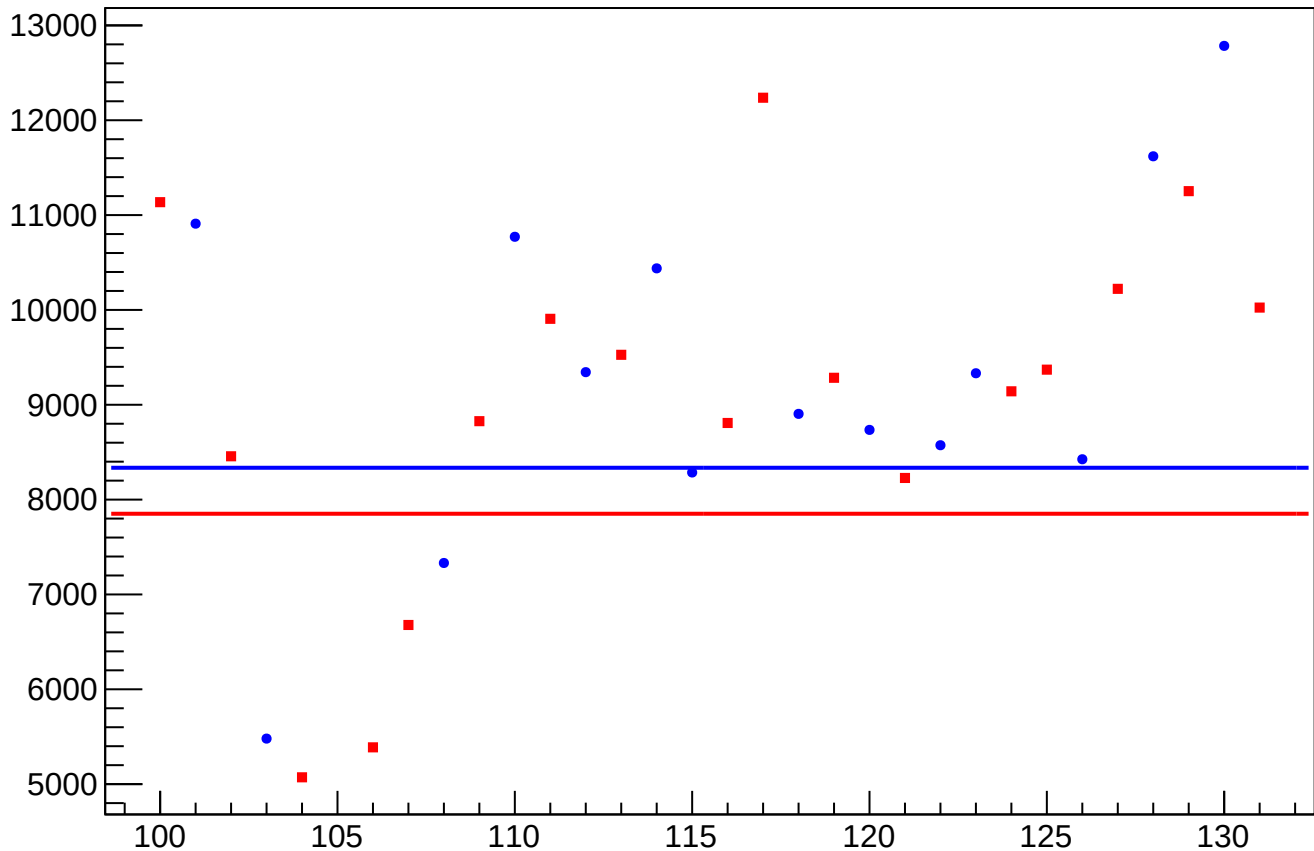
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5539.054+/-3753.332  $\chi^2/\text{NDF}$ : 14.6/13

5526.558+/-2497.051  $\chi^2/\text{NDF}$ : 26.9/30

5516.635+/-3344.627  $\chi^2/\text{NDF}$ : 12.4/16

# asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 8335.803+/-2.654  $\chi^2/\text{NDF}$ : 649669.2/13

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

Right Out: 7850.911+/-2.365  $\chi^2/\text{NDF}$ : 729345.4/16

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

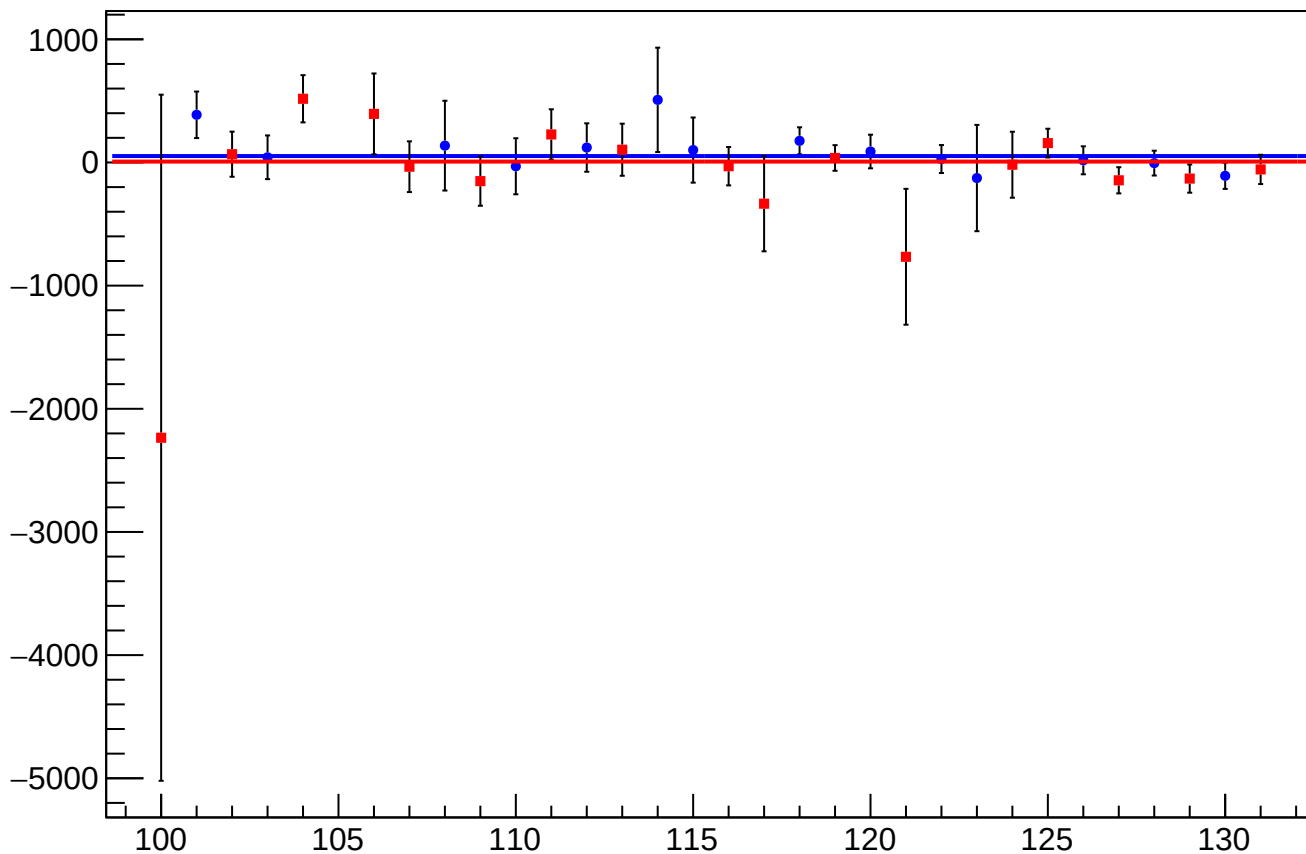
8335.803+/-2.654  $\chi^2/\text{NDF}$ : 649669.2/13

8065.519+/-1.766  $\chi^2/\text{NDF}$ : 1397620.9/30

7850.911+/-2.365  $\chi^2/\text{NDF}$ : 729345.4/16



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



Right In: 52.053+/-40.267  $\chi^2/\text{NDF}$ : 8.9/13

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

Right Out: 7.227+/-39.910  $\chi^2/\text{NDF}$ : 19.6/16

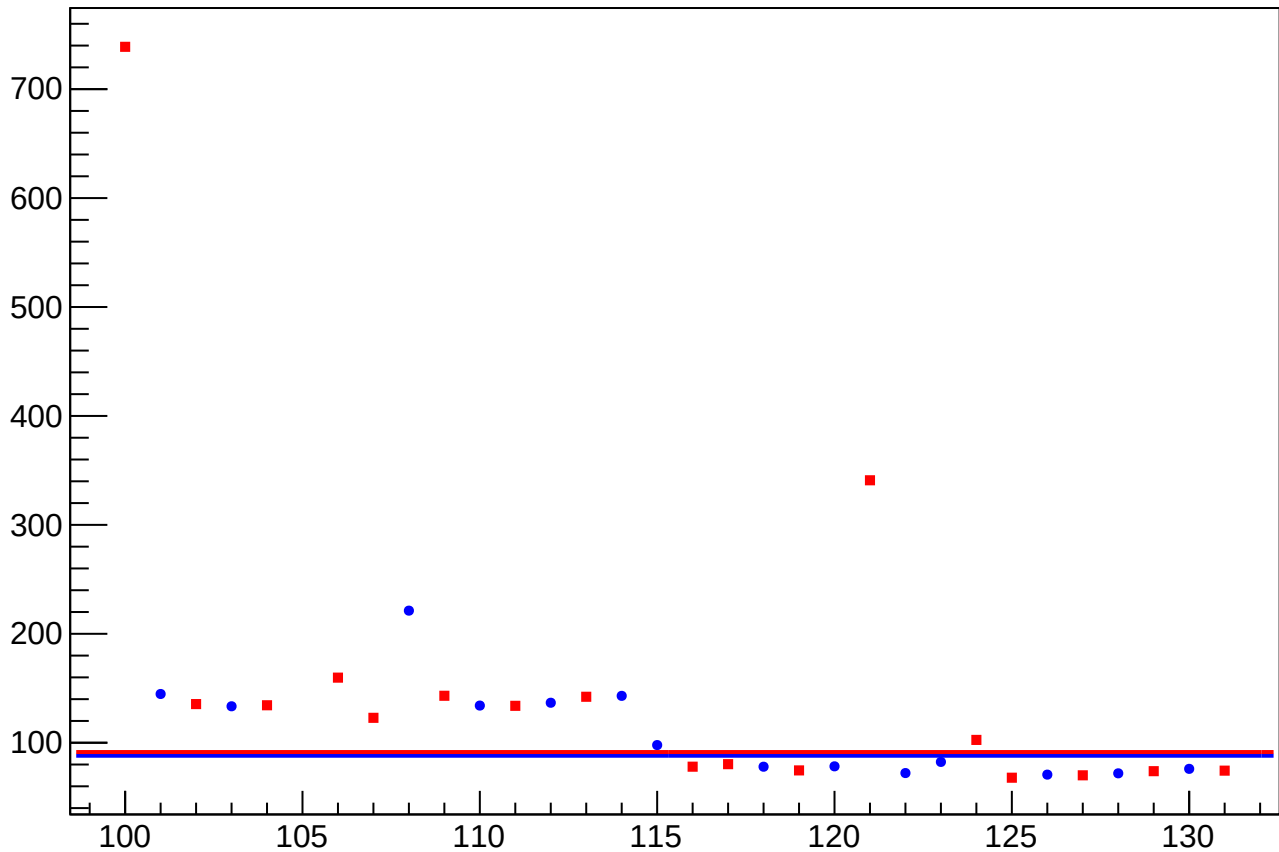
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

52.053+/-40.267  $\chi^2/\text{NDF}$ : 8.9/13

29.440+/-28.346  $\chi^2/\text{NDF}$ : 29.1/30

7.227+/-39.910  $\chi^2/\text{NDF}$ : 19.6/16

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



Right In: 88.075+/-0.028  $\chi^2/\text{NDF}$ : 1009604.4/13

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

Right Out: 91.463+/-0.028  $\chi^2/\text{NDF}$ : 1524705.3/16

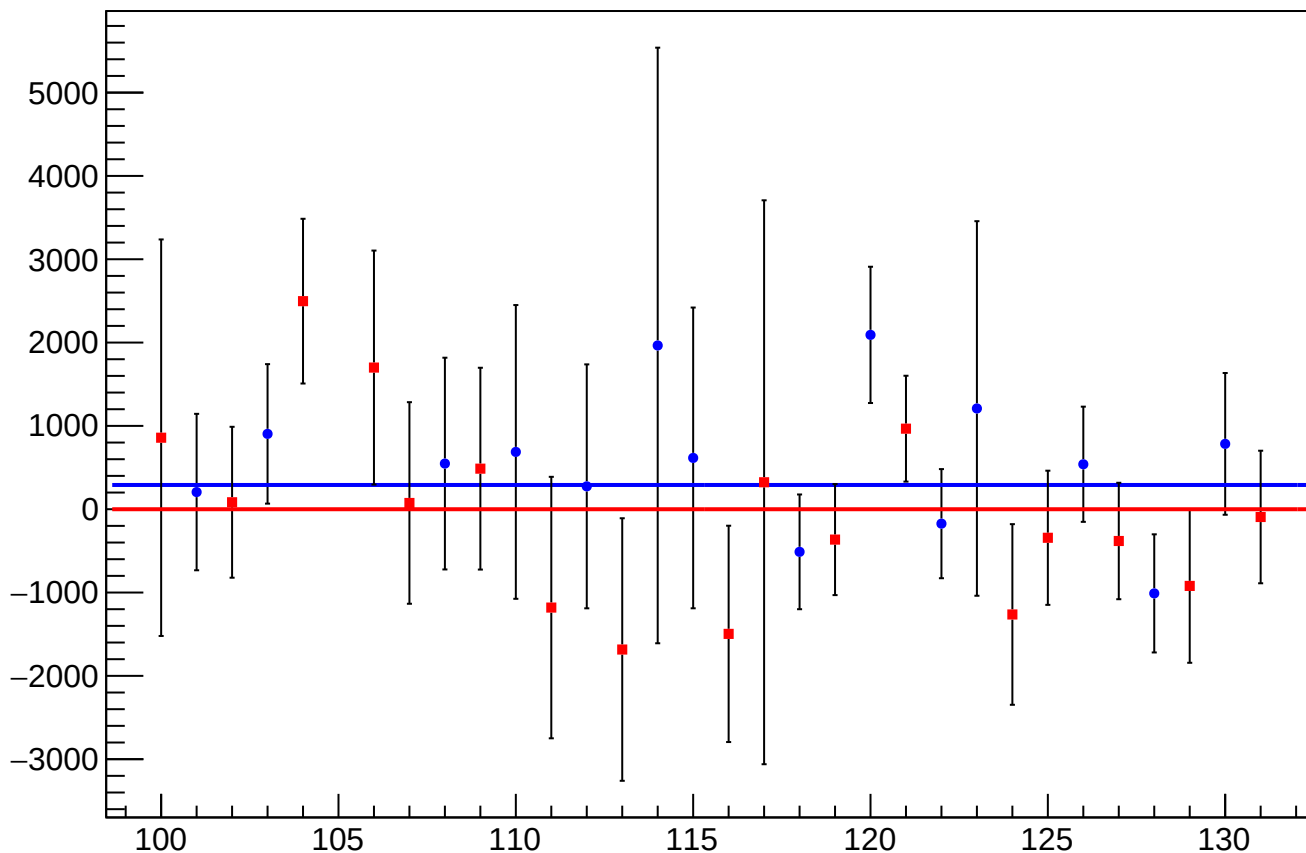
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

88.075+/-0.028  $\chi^2/\text{NDF}$ : 1009604.4/13

89.784+/-0.020  $\chi^2/\text{NDF}$ : 2541450.2/30

91.463+/-0.028  $\chi^2/\text{NDF}$ : 1524705.3/16

# asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 290.950+/-250.354  $\chi^2/\text{NDF}$ : 11.6/13

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

Right Out: -0.233+/-237.624  $\chi^2/\text{NDF}$ : 16.7/16

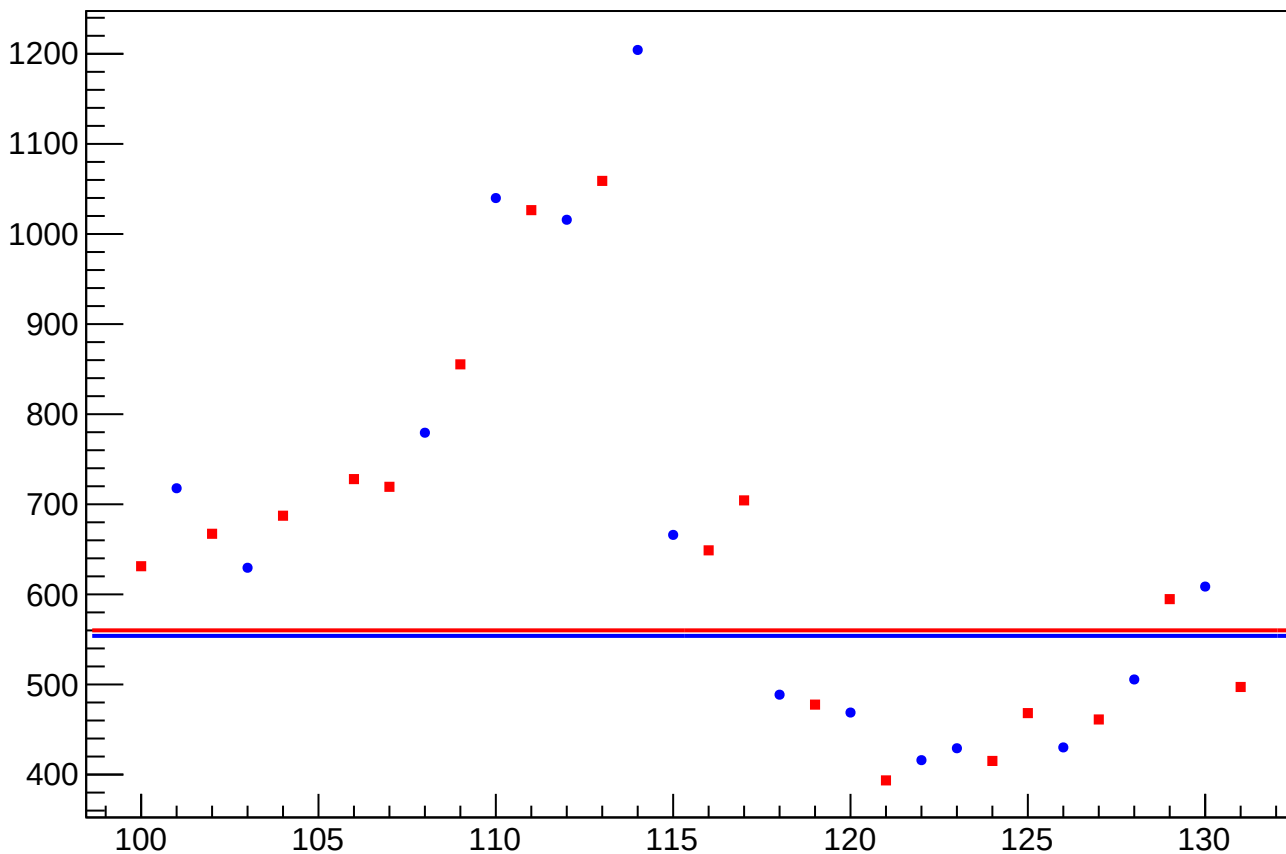
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

290.950+/-250.354  $\chi^2/\text{NDF}$ : 11.6/13

137.768+/-172.350  $\chi^2/\text{NDF}$ : 29.0/30

-0.233+/-237.624  $\chi^2/\text{NDF}$ : 16.7/16

# asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 553.926+/-0.177  $\chi^2/\text{NDF}$ : 781583.6/13

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

Right Out: 560.070+/-0.168  $\chi^2/\text{NDF}$ : 920665.2/16

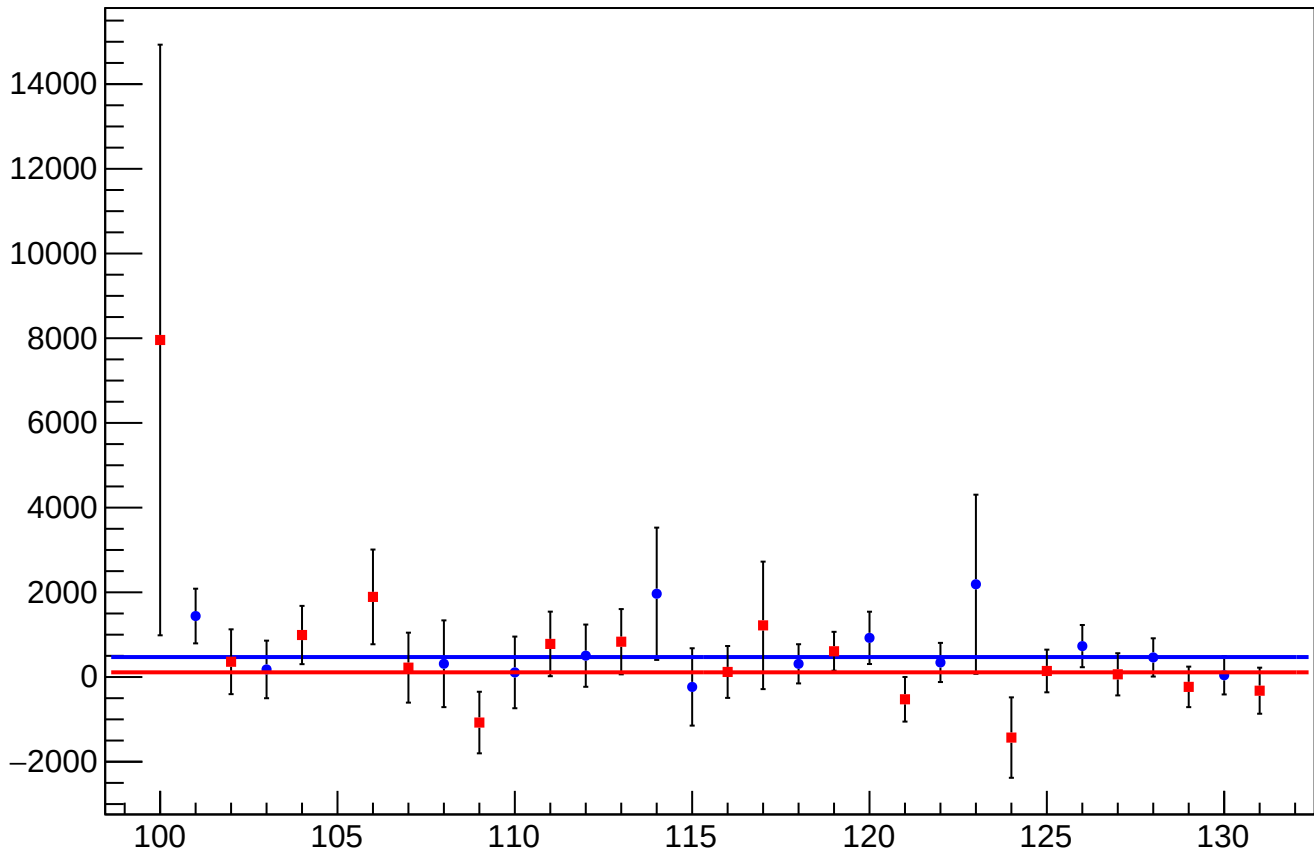
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

553.926+/-0.177  $\chi^2/\text{NDF}$ : 781583.6/13

557.158+/-0.122  $\chi^2/\text{NDF}$ : 1702882.3/30

560.070+/-0.168  $\chi^2/\text{NDF}$ : 920665.2/16

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



Right In: 471.439+/-165.861  $\chi^2/\text{NDF}$ : 6.7/13

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

Right Out: 110.867+/-158.724  $\chi^2/\text{NDF}$ : 16.9/16

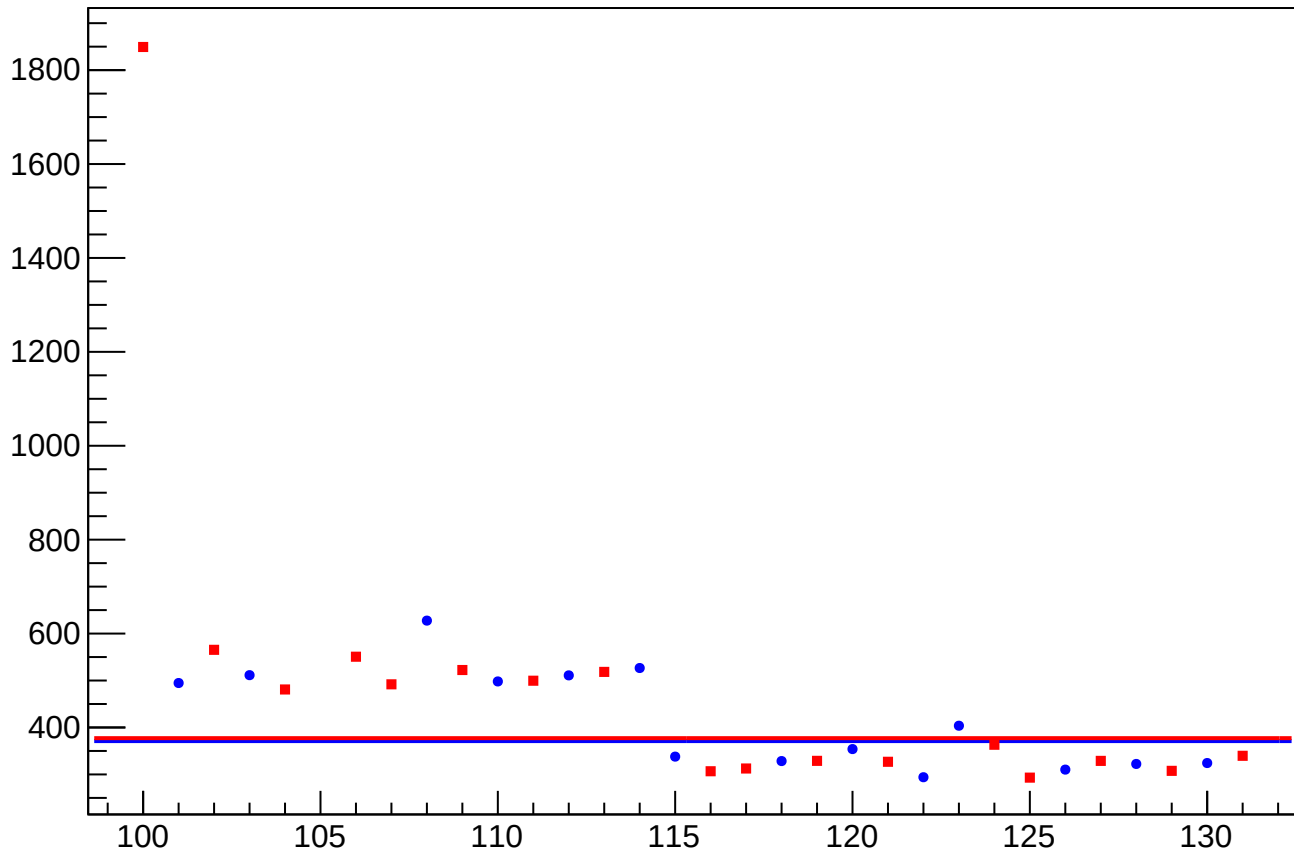
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

471.439+/-165.861  $\chi^2/\text{NDF}$ : 6.7/13

283.228+/-114.675  $\chi^2/\text{NDF}$ : 26.0/30

110.867+/-158.724  $\chi^2/\text{NDF}$ : 16.9/16

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



Right In: 371.009+/-0.117  $\chi^2/\text{NDF}$ : 572806.1/13

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

Right Out: 377.253+/-0.112  $\chi^2/\text{NDF}$ : 737912.1/16

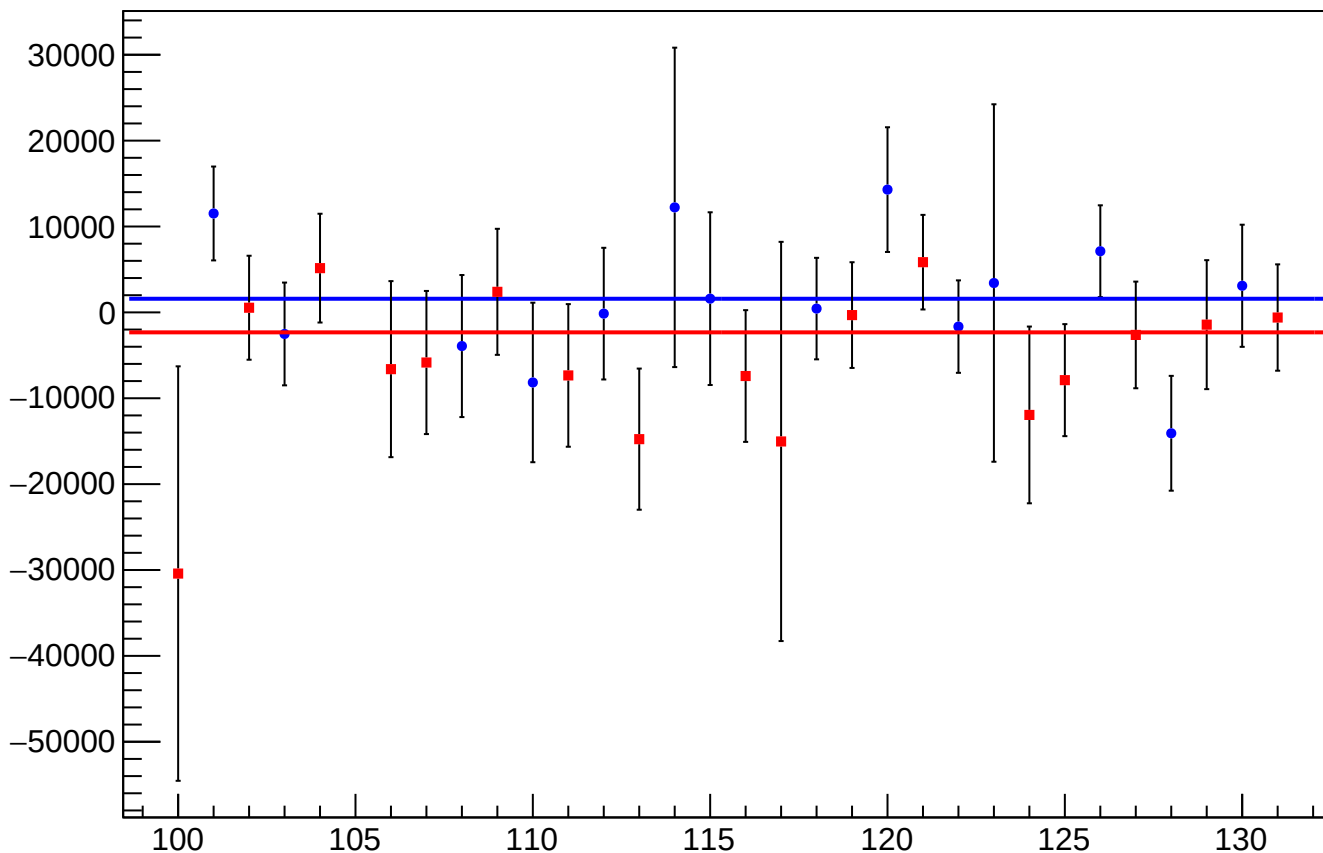
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

371.009+/-0.117  $\chi^2/\text{NDF}$ : 572806.1/13

374.268+/-0.081  $\chi^2/\text{NDF}$ : 1312197.8/30

377.253+/-0.112  $\chi^2/\text{NDF}$ : 737912.1/16

# asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 1586.258+/-1893.329  $\chi^2$ /NDF: 15.8/13

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

Right Out: -2326.143+/-1805.912  $\chi^2$ /NDF: 11.1/16

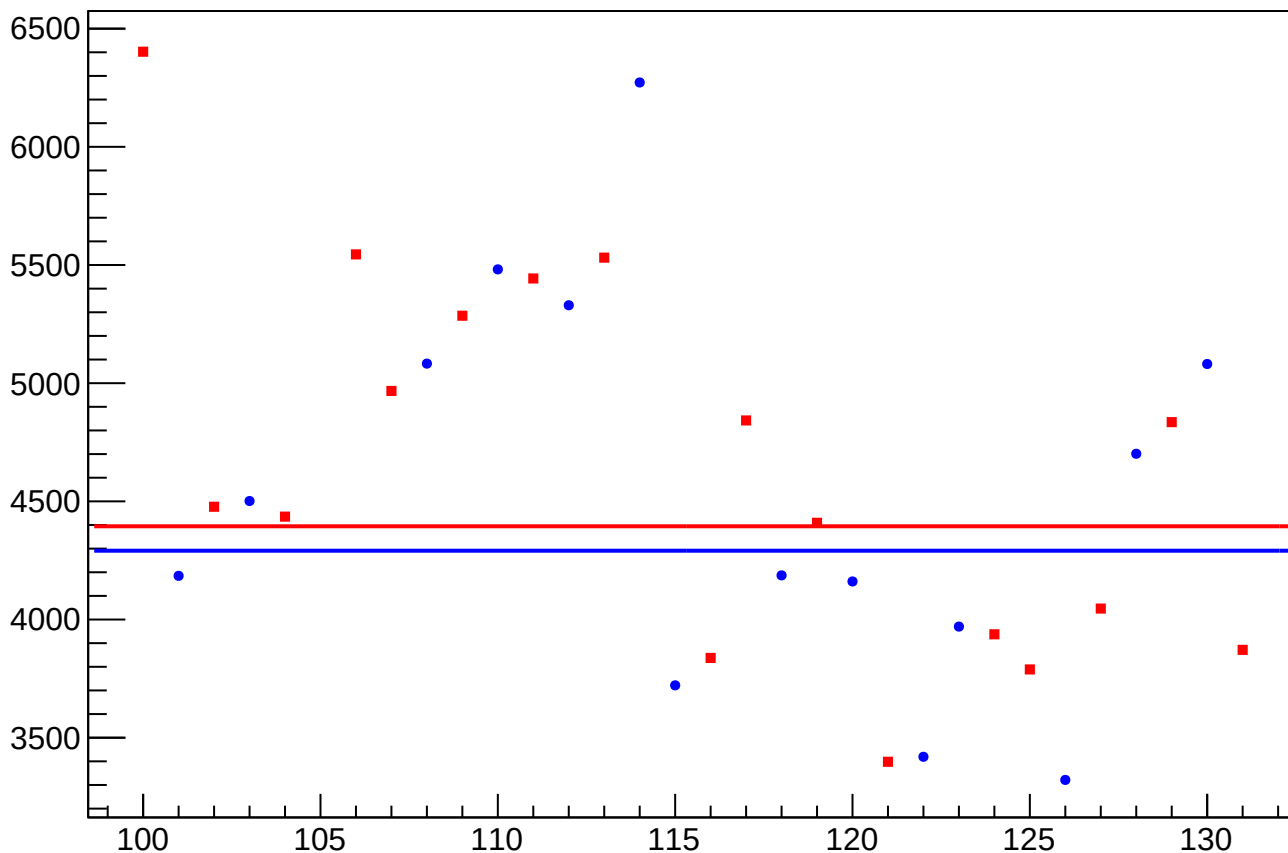
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

1586.258+/-1893.329  $\chi^2$ /NDF: 15.8/13

-462.344+/-1306.784  $\chi^2$ /NDF: 29.1/30

-2326.143+/-1805.912  $\chi^2$ /NDF: 11.1/16

# asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 4291.209+/-1.339  $\chi^2/\text{NDF}$ : 272478.0/13

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

Right Out: 4394.490+/-1.277  $\chi^2/\text{NDF}$ : 273920.5/16

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

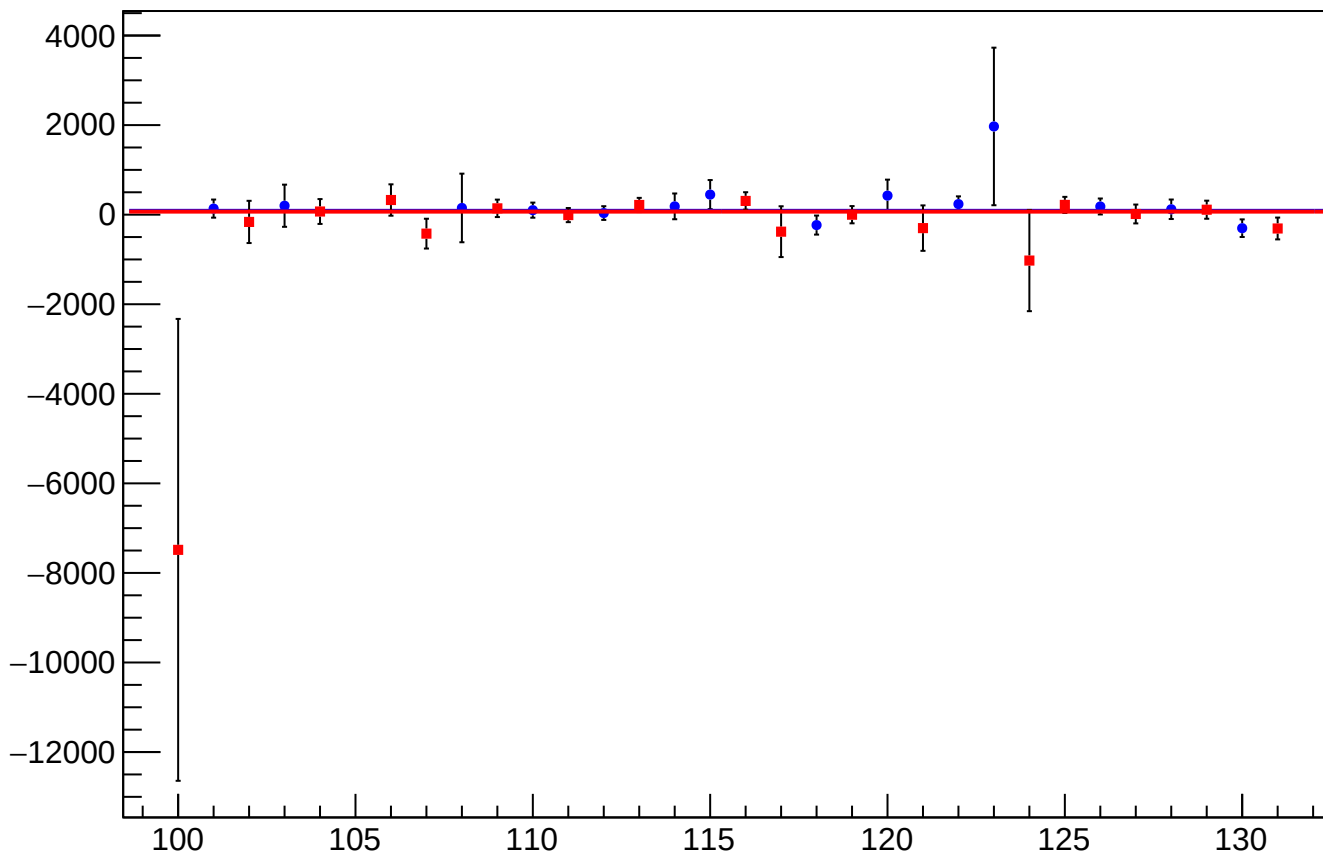
4291.209+/-1.339  $\chi^2/\text{NDF}$ : 272478.0/13

4345.288+/-0.924  $\chi^2/\text{NDF}$ : 549514.8/30

4394.490+/-1.277  $\chi^2/\text{NDF}$ : 273920.5/16



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



Right In: 85.351+/-60.597  $\chi^2/\text{NDF}$ : 10.9/13

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

Right Out: 68.203+/-58.017  $\chi^2/\text{NDF}$ : 13.3/16

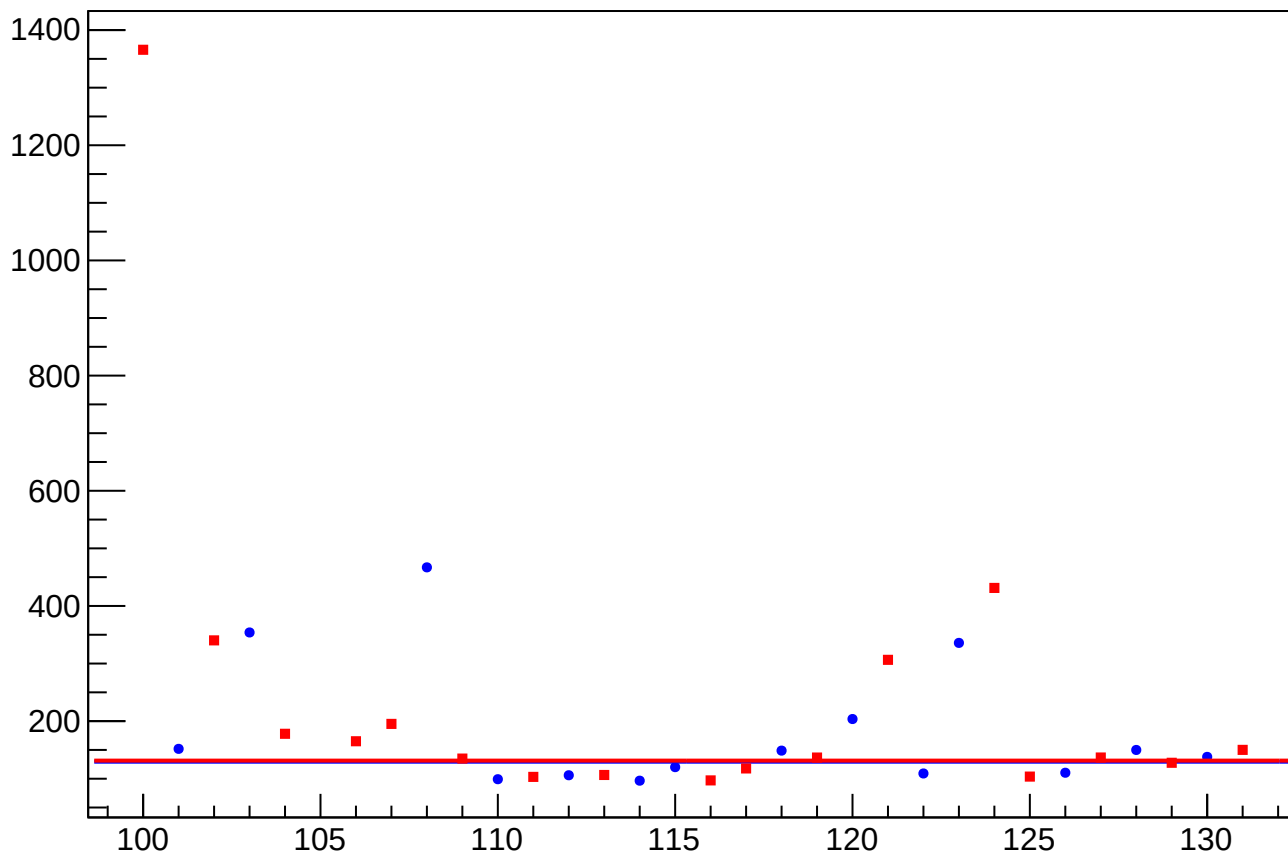
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

85.351+/-60.597  $\chi^2/\text{NDF}$ : 10.9/13

76.404+/-41.907  $\chi^2/\text{NDF}$ : 24.2/30

68.203+/-58.017  $\chi^2/\text{NDF}$ : 13.3/16

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



Right In: 129.562 $\pm$ 0.043  $\chi^2$ /NDF: 1209299.8/13

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

Right Out: 131.443 $\pm$ 0.041  $\chi^2$ /NDF: 1274704.8/16

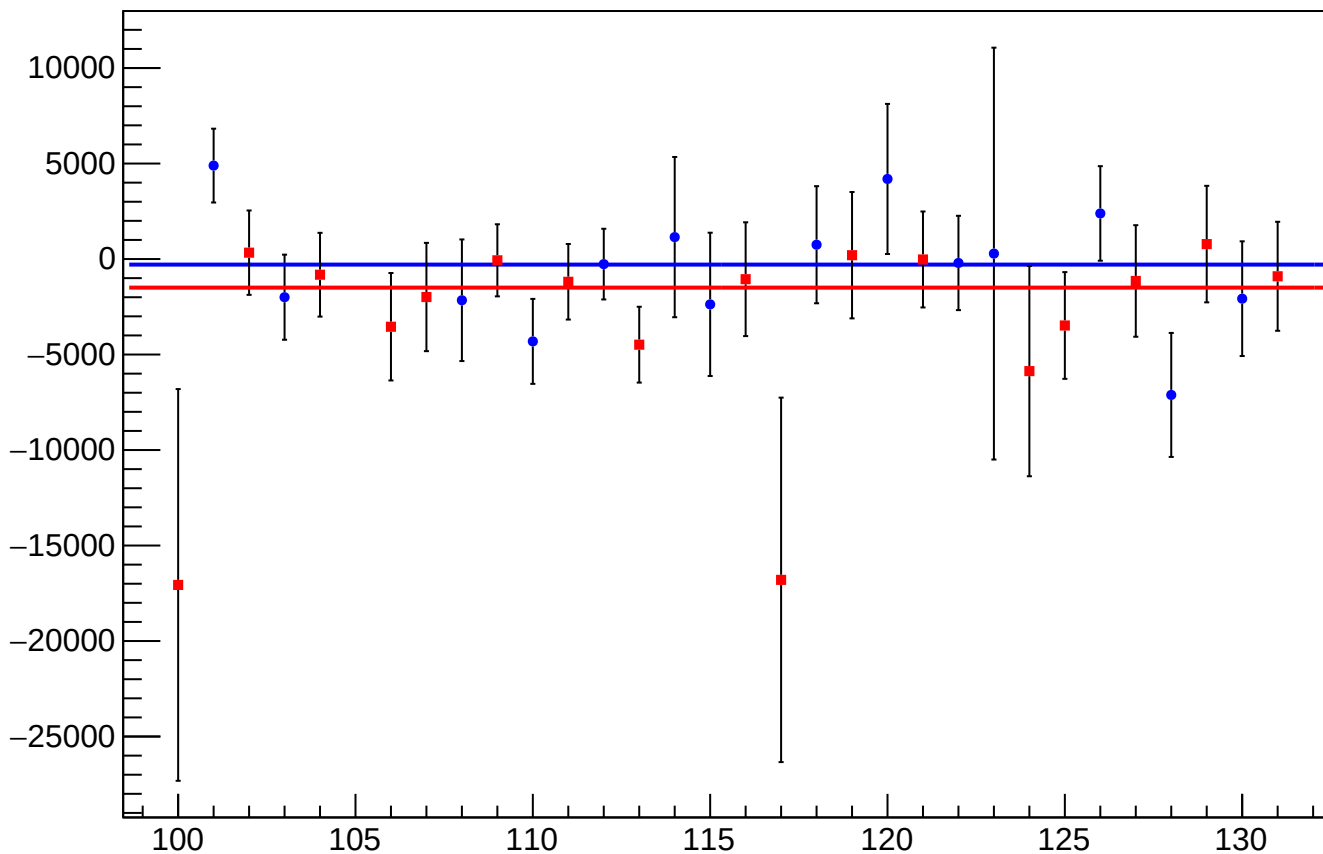
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

129.562 $\pm$ 0.043  $\chi^2$ /NDF: 1209299.8/13

130.543 $\pm$ 0.030  $\chi^2$ /NDF: 2485010.9/30

131.443 $\pm$ 0.041  $\chi^2$ /NDF: 1274704.8/16

# asym\_sam3\_mean vs Slug, Sign Corrected



Right In: -290.839+/-724.949  $\chi^2/\text{NDF}$ : 19.2/13

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

Right Out: -1496.313+/-652.970  $\chi^2/\text{NDF}$ : 11.5/16

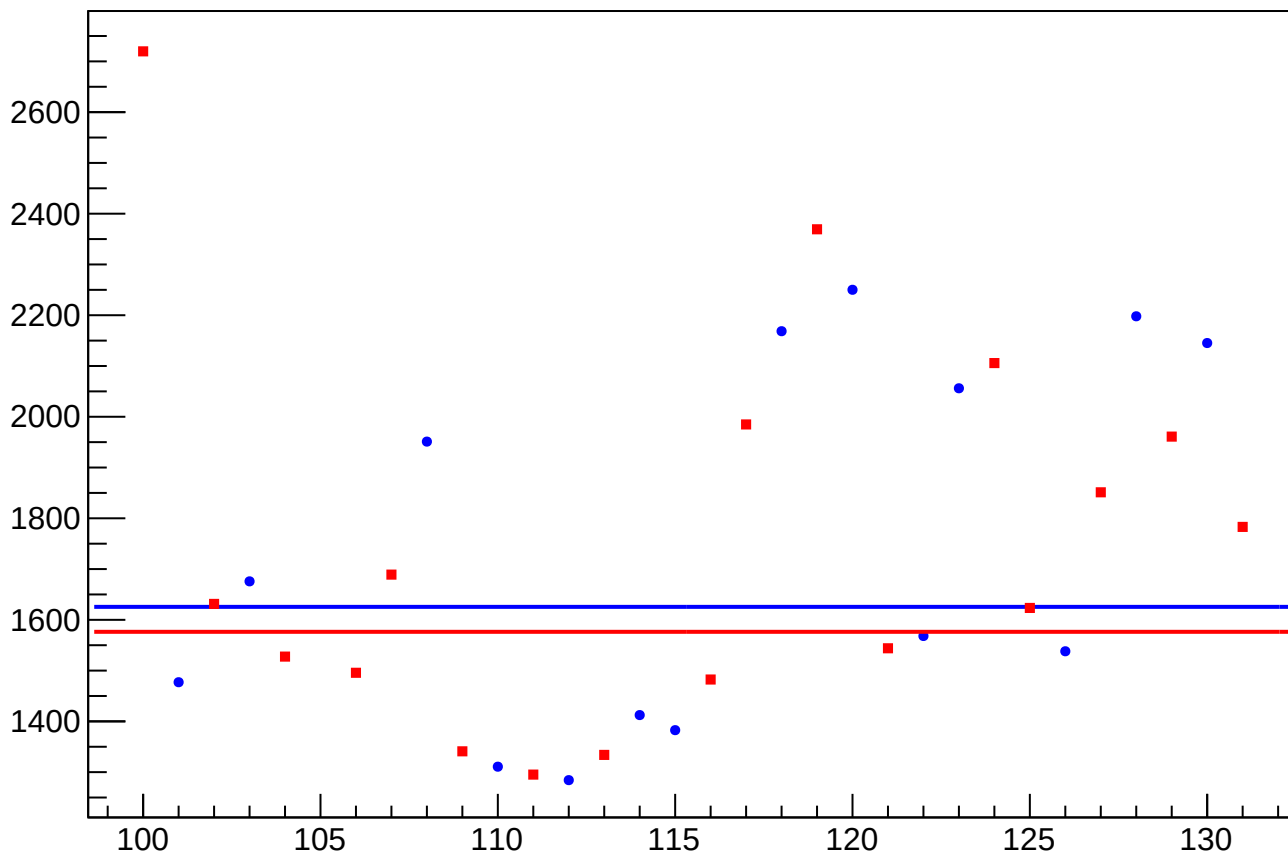
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-290.839+/-724.949  $\chi^2/\text{NDF}$ : 19.2/13

-956.375+/-485.177  $\chi^2/\text{NDF}$ : 32.2/30

-1496.313+/-652.970  $\chi^2/\text{NDF}$ : 11.5/16

# asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 1625.557 $\pm$ 0.513  $\chi^2$ /NDF: 397468.0/13

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

Right Out: 1576.407 $\pm$ 0.462  $\chi^2$ /NDF: 333198.7/16

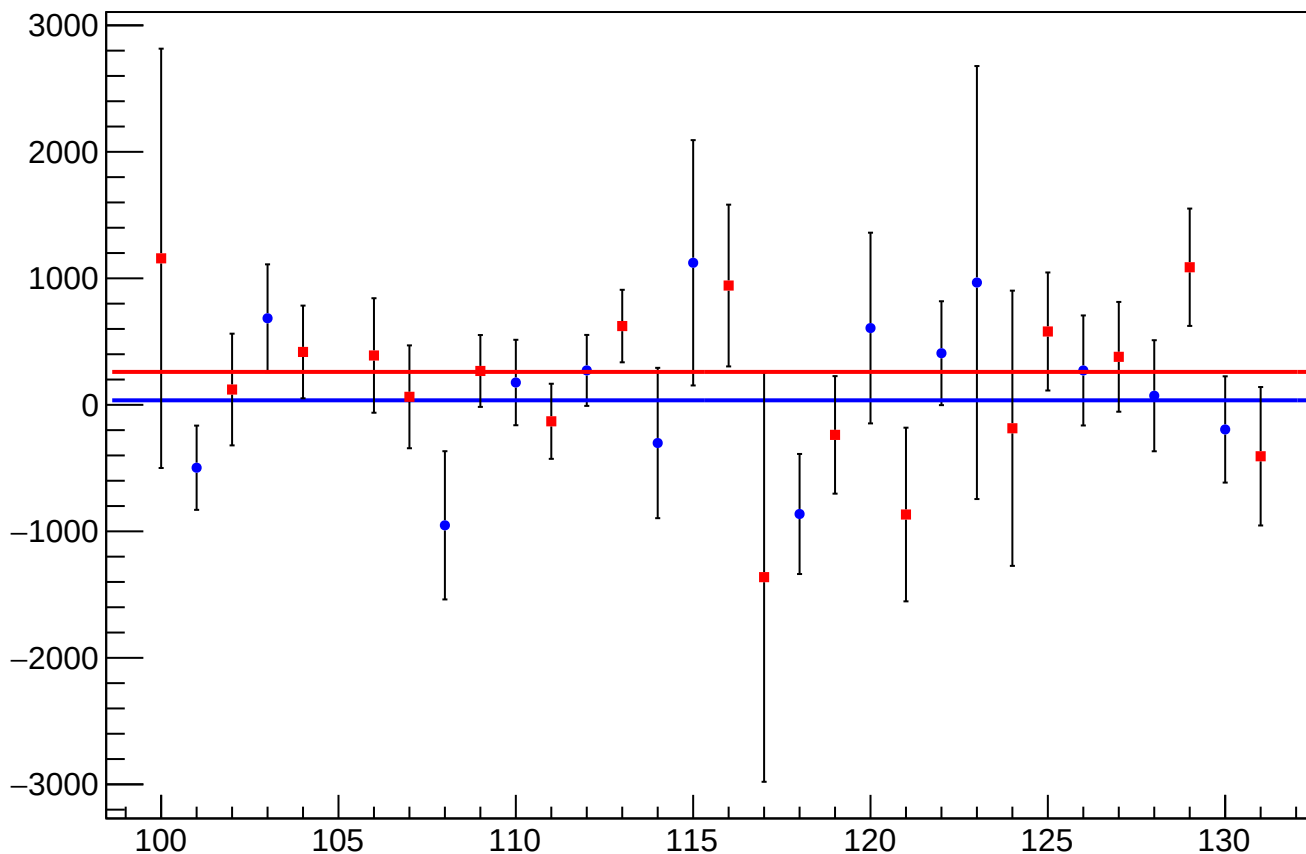
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1625.557 $\pm$ 0.513  $\chi^2$ /NDF: 397468.0/13

1598.422 $\pm$ 0.343  $\chi^2$ /NDF: 735742.1/30

1576.407 $\pm$ 0.462  $\chi^2$ /NDF: 333198.7/16

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



Right In: 35.770+/-118.324  $\chi^2/\text{NDF}$ : 16.1/13

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

Right Out: 260.364+/-106.532  $\chi^2/\text{NDF}$ : 15.6/16

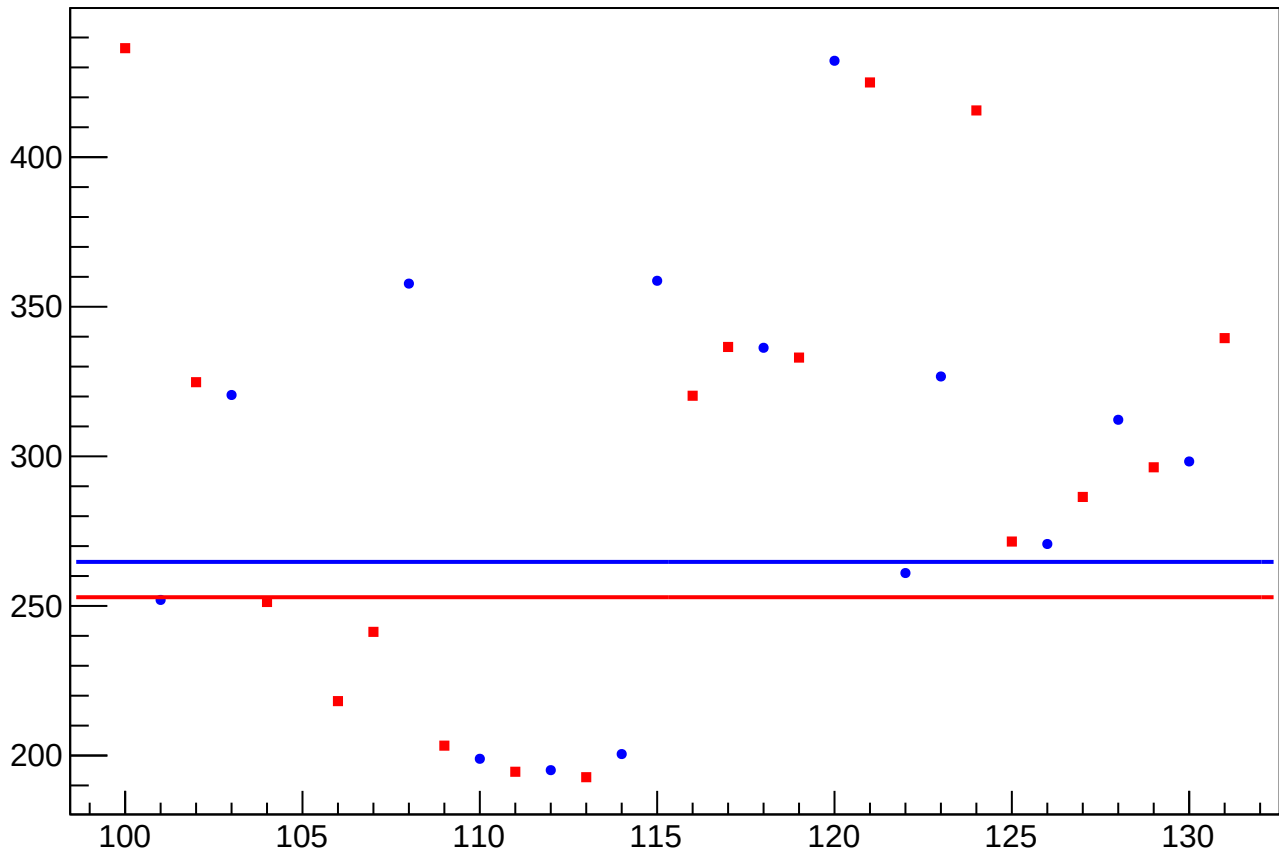
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

35.770+/-118.324  $\chi^2/\text{NDF}$ : 16.1/13

159.813+/-79.171  $\chi^2/\text{NDF}$ : 33.7/30

260.364+/-106.532  $\chi^2/\text{NDF}$ : 15.6/16

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



Right In: 264.721+/-0.084  $\chi^2/\text{NDF}$ : 512420.4/13

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

Right Out: 252.914+/-0.075  $\chi^2/\text{NDF}$ : 657452.7/16

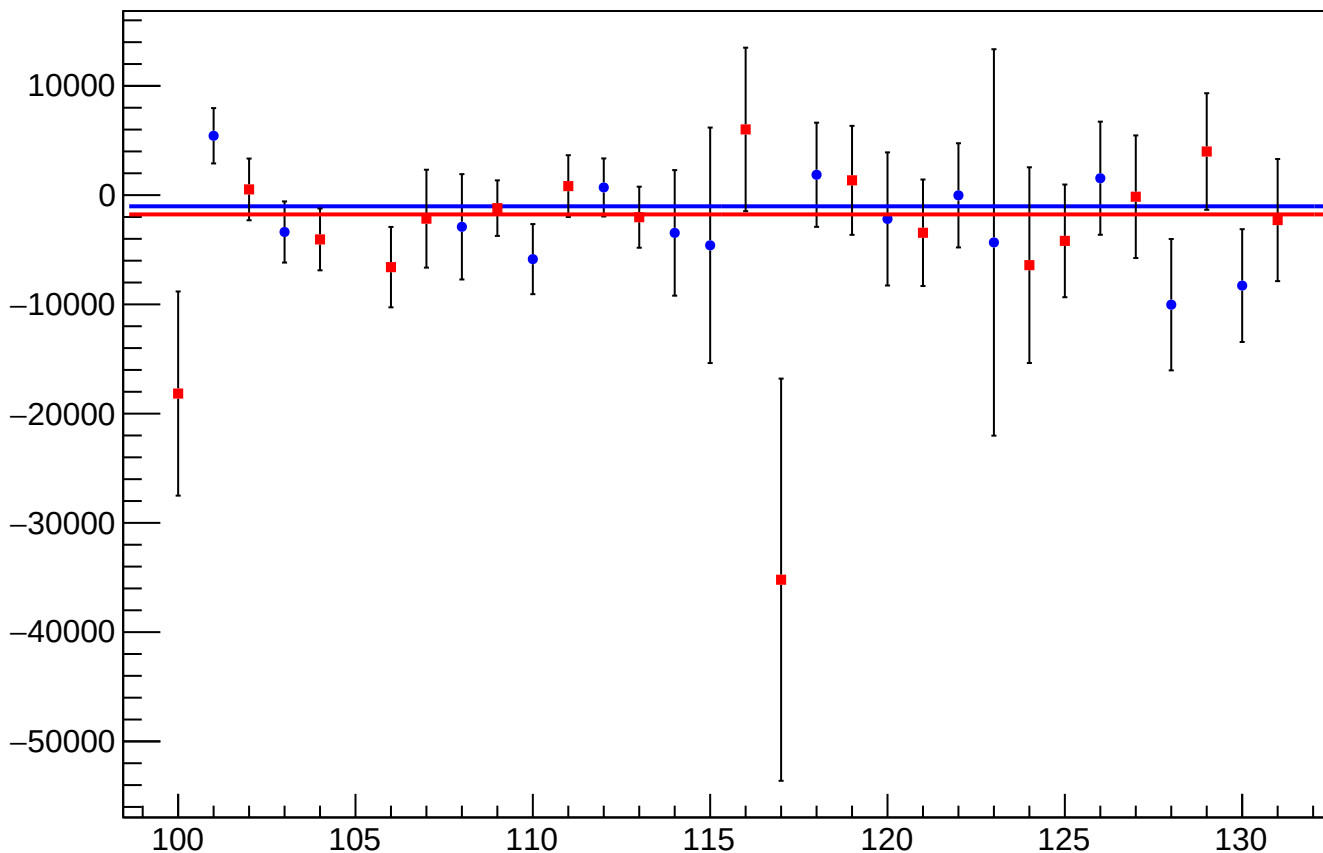
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

264.721+/-0.084  $\chi^2/\text{NDF}$ : 512420.4/13

258.200+/-0.056  $\chi^2/\text{NDF}$ : 1180871.1/30

252.914+/-0.075  $\chi^2/\text{NDF}$ : 657452.7/16

# asym\_sam4\_mean vs Slug, Sign Corrected



Right In: -1023.220+/-1101.152  $\chi^2/\text{NDF}$ : 15.3/13

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

Right Out: -1764.700+/-978.074  $\chi^2/\text{NDF}$ : 13.7/16

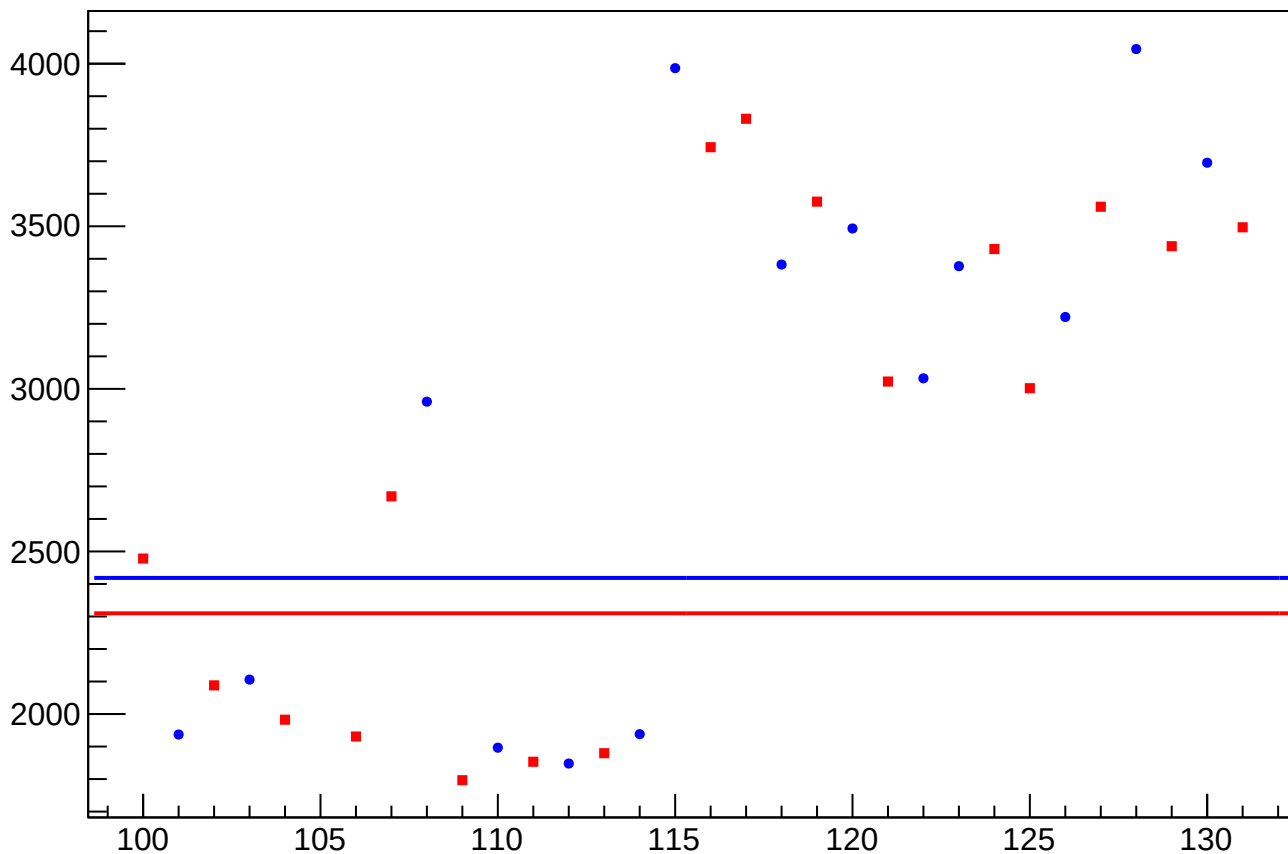
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1023.220+/-1101.152  $\chi^2/\text{NDF}$ : 15.3/13

-1437.698+/-731.261  $\chi^2/\text{NDF}$ : 29.2/30

-1764.700+/-978.074  $\chi^2/\text{NDF}$ : 13.7/16

# asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 2418.594+/-0.779  $\chi^2/\text{NDF}$ : 823855.5/13

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

Right Out: 2309.728+/-0.692  $\chi^2/\text{NDF}$ : 859952.4/16

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

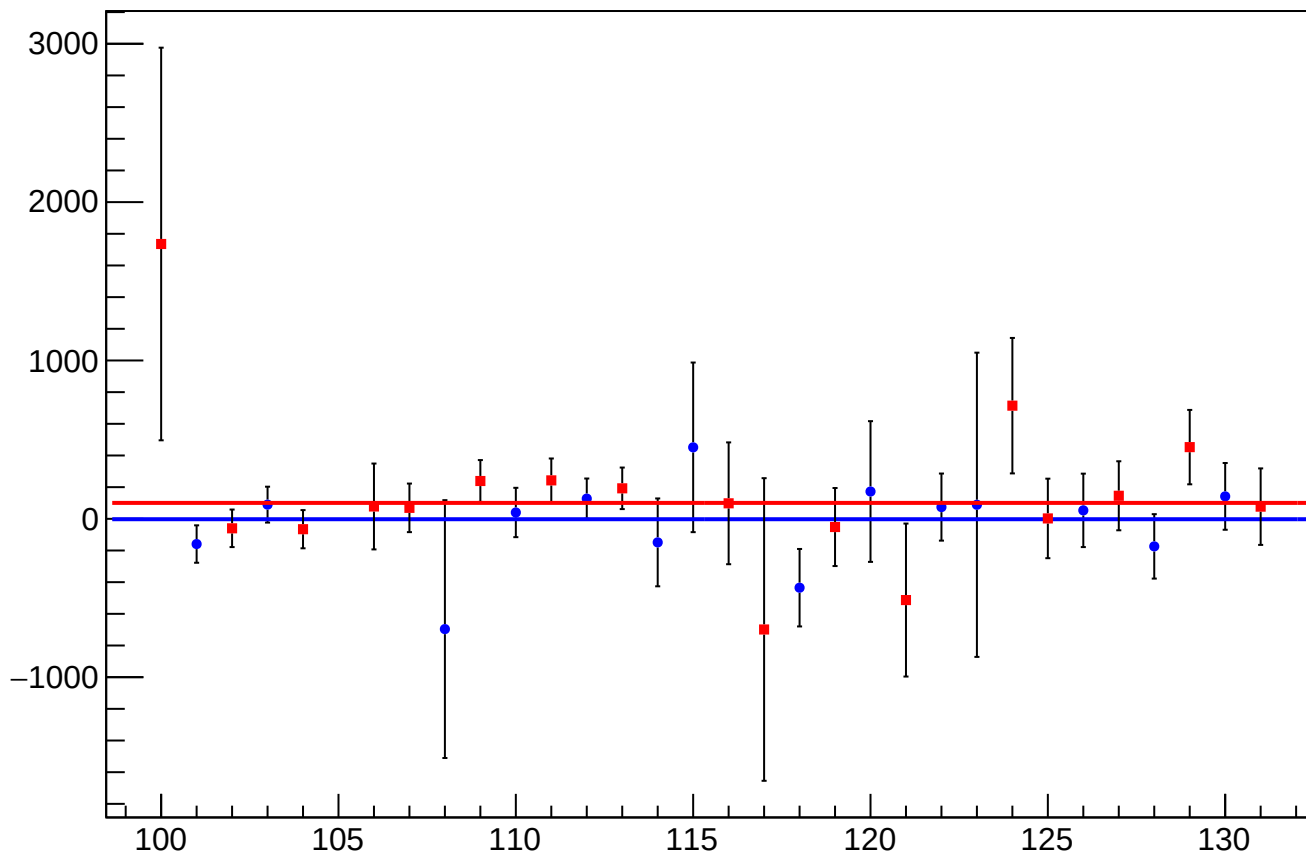
2418.594+/-0.779  $\chi^2/\text{NDF}$ : 823855.5/13

2357.739+/-0.517  $\chi^2/\text{NDF}$ : 1694735.5/30

2309.728+/-0.692  $\chi^2/\text{NDF}$ : 859952.4/16



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



Right In: -2.483+/-51.227  $\chi^2/\text{NDF}: 9.9/13$

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

Right Out: 100.573+/-46.099  $\chi^2/\text{NDF}: 15.4/16$

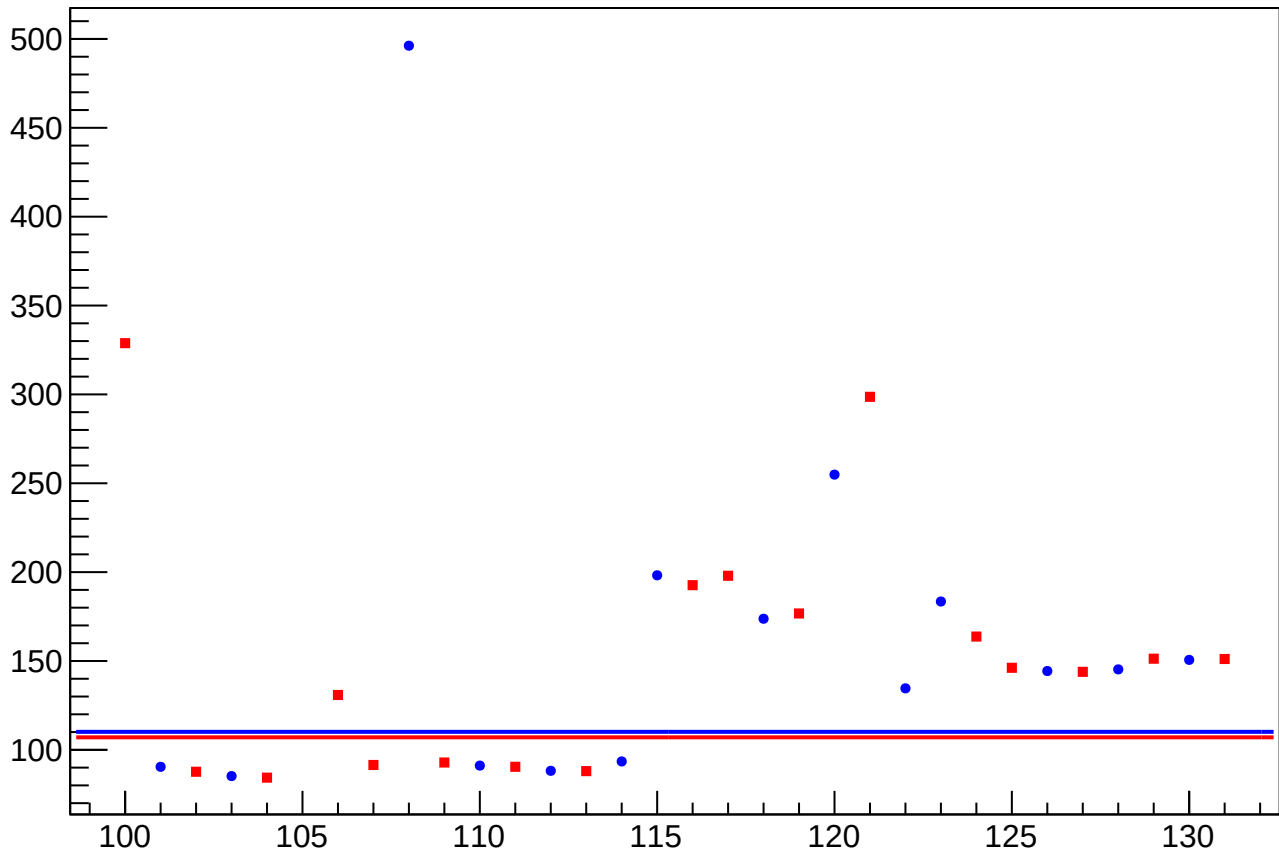
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}: 0.0/0$

-2.483+/-51.227  $\chi^2/\text{NDF}: 9.9/13$

54.459+/-34.267  $\chi^2/\text{NDF}: 27.5/30$

100.573+/-46.099  $\chi^2/\text{NDF}: 15.4/16$

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



Right In: 110.140 $\pm$ 0.036  $\chi^2$ /NDF: 1315253.5/13

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

Right Out: 107.041 $\pm$ 0.033  $\chi^2$ /NDF: 1188137.8/16

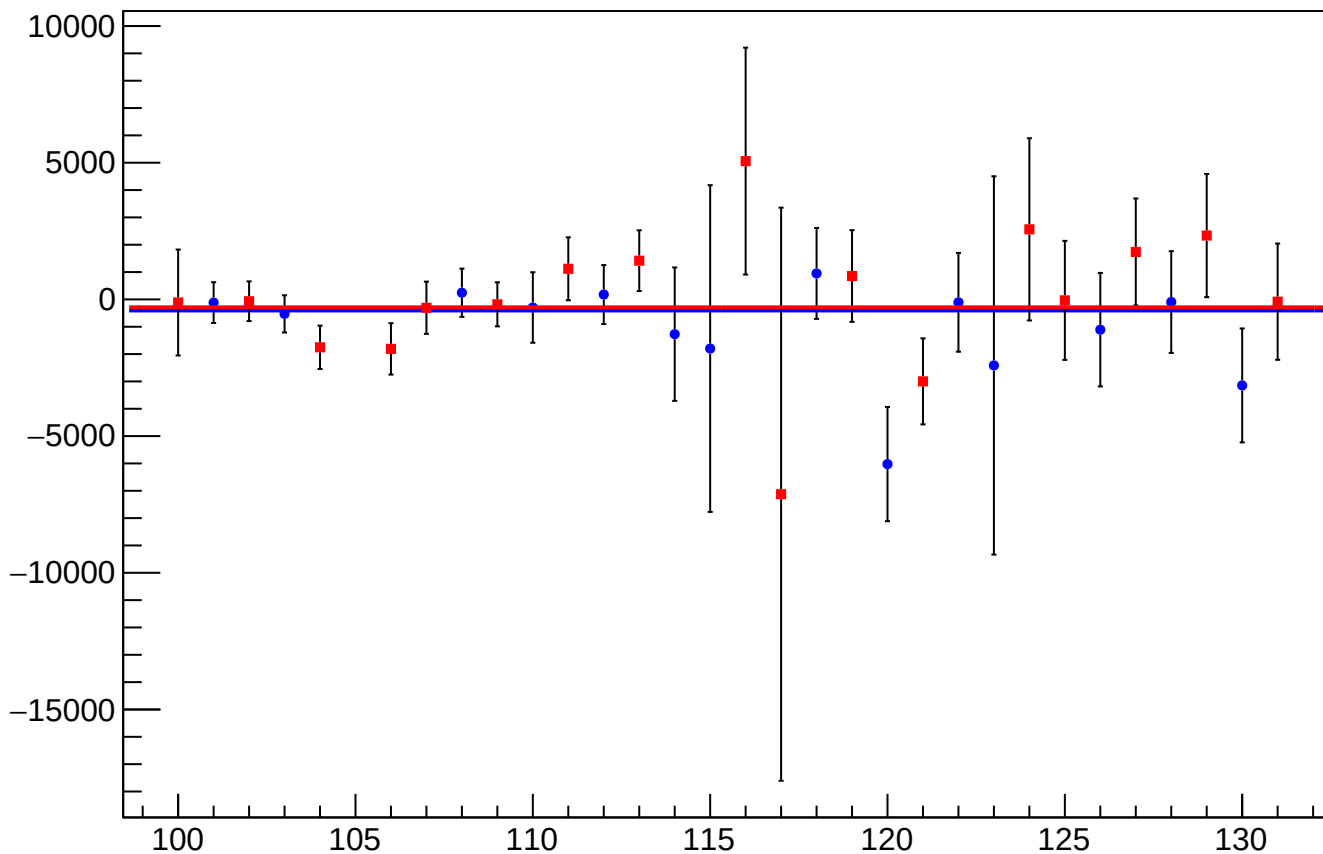
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

110.140 $\pm$ 0.036  $\chi^2$ /NDF: 1315253.5/13

108.428 $\pm$ 0.024  $\chi^2$ /NDF: 2507435.3/30

107.041 $\pm$ 0.033  $\chi^2$ /NDF: 1188137.8/16

# asym\_sam5\_mean vs Slug, Sign Corrected



Right In: -403.384+/-341.496  $\chi^2/\text{NDF}$ : 11.1/13

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

Right Out: -290.796+/-303.067  $\chi^2/\text{NDF}$ : 18.7/16

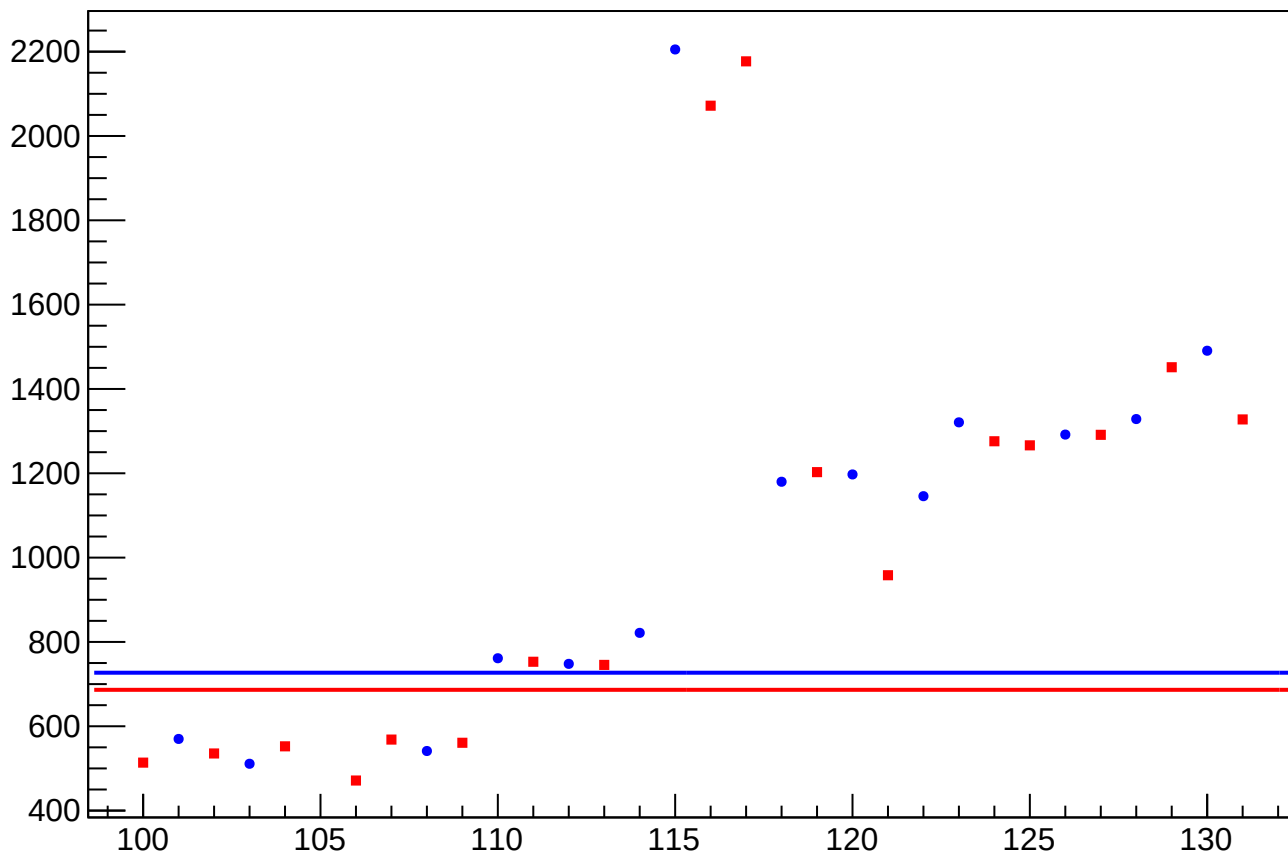
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-403.384+/-341.496  $\chi^2/\text{NDF}$ : 11.1/13

-340.401+/-226.675  $\chi^2/\text{NDF}$ : 29.8/30

-290.796+/-303.067  $\chi^2/\text{NDF}$ : 18.7/16

# asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 727.000+/-0.241  $\chi^2/\text{NDF}$ : 1504103.3/13

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

Right Out: 686.433+/-0.214  $\chi^2/\text{NDF}$ : 1675713.0/16

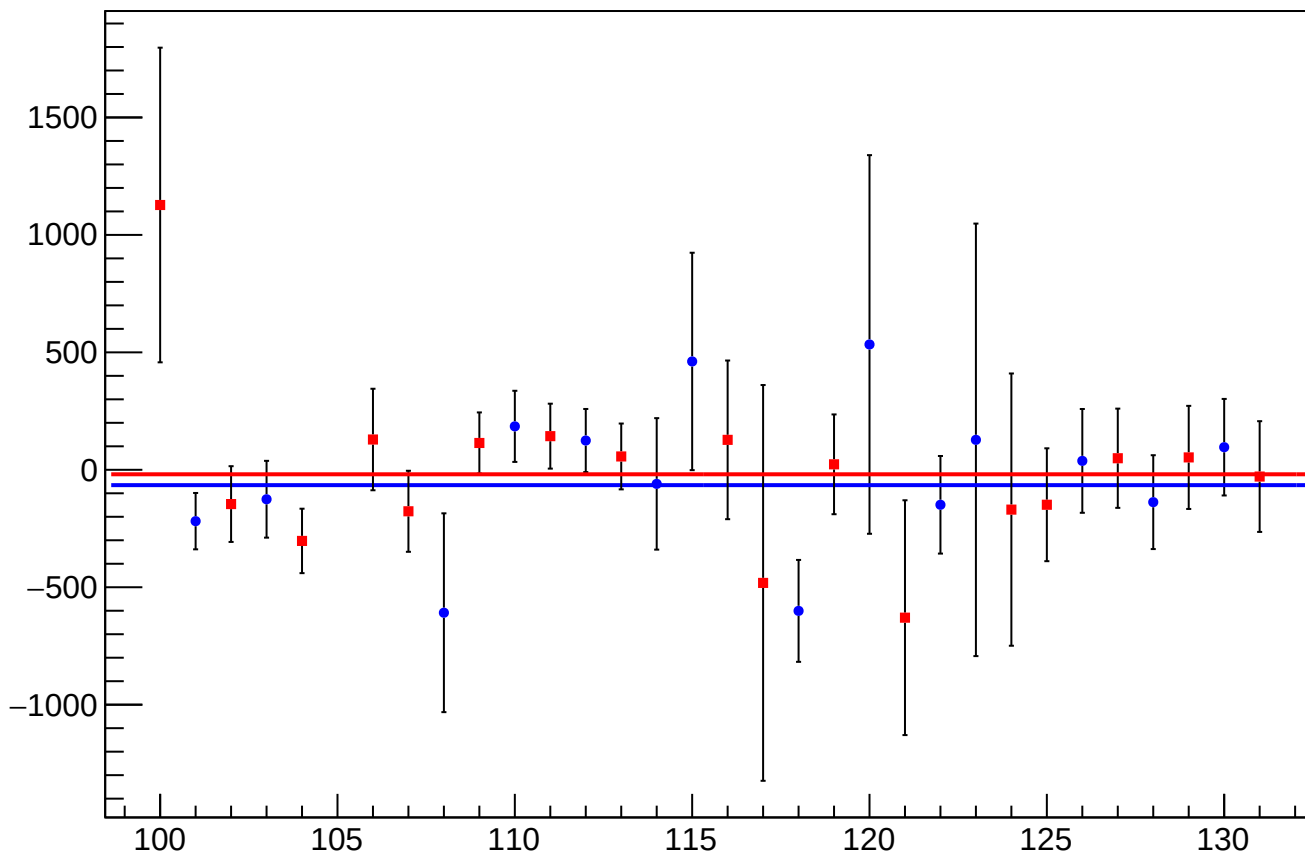
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

727.000+/-0.241  $\chi^2/\text{NDF}$ : 1504103.3/13

704.307+/-0.160  $\chi^2/\text{NDF}$ : 3195604.7/30

686.433+/-0.214  $\chi^2/\text{NDF}$ : 1675713.0/16

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



Right In: -65.303 $\pm$ 53.815  $\chi^2$ /NDF: 17.3/13

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

Right Out: -19.094 $\pm$ 48.277  $\chi^2$ /NDF: 14.4/16

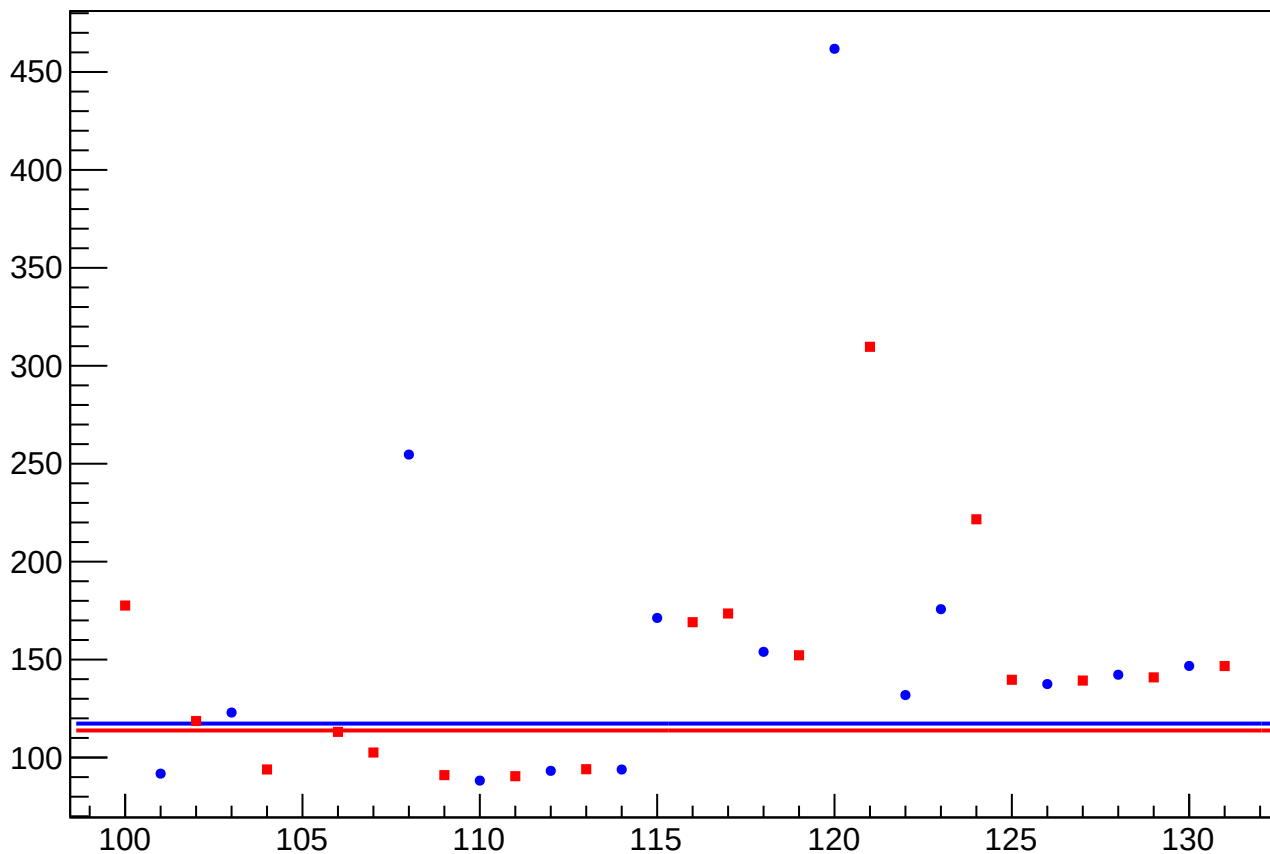
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-65.303 $\pm$ 53.815  $\chi^2$ /NDF: 17.3/13

-39.699 $\pm$ 35.936  $\chi^2$ /NDF: 32.1/30

-19.094 $\pm$ 48.277  $\chi^2$ /NDF: 14.4/16

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



Right In: 117.324+/-0.038  $\chi^2/\text{NDF}$ : 1012632.1/13

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

Right Out: 113.811+/-0.034  $\chi^2/\text{NDF}$ : 856031.0/16

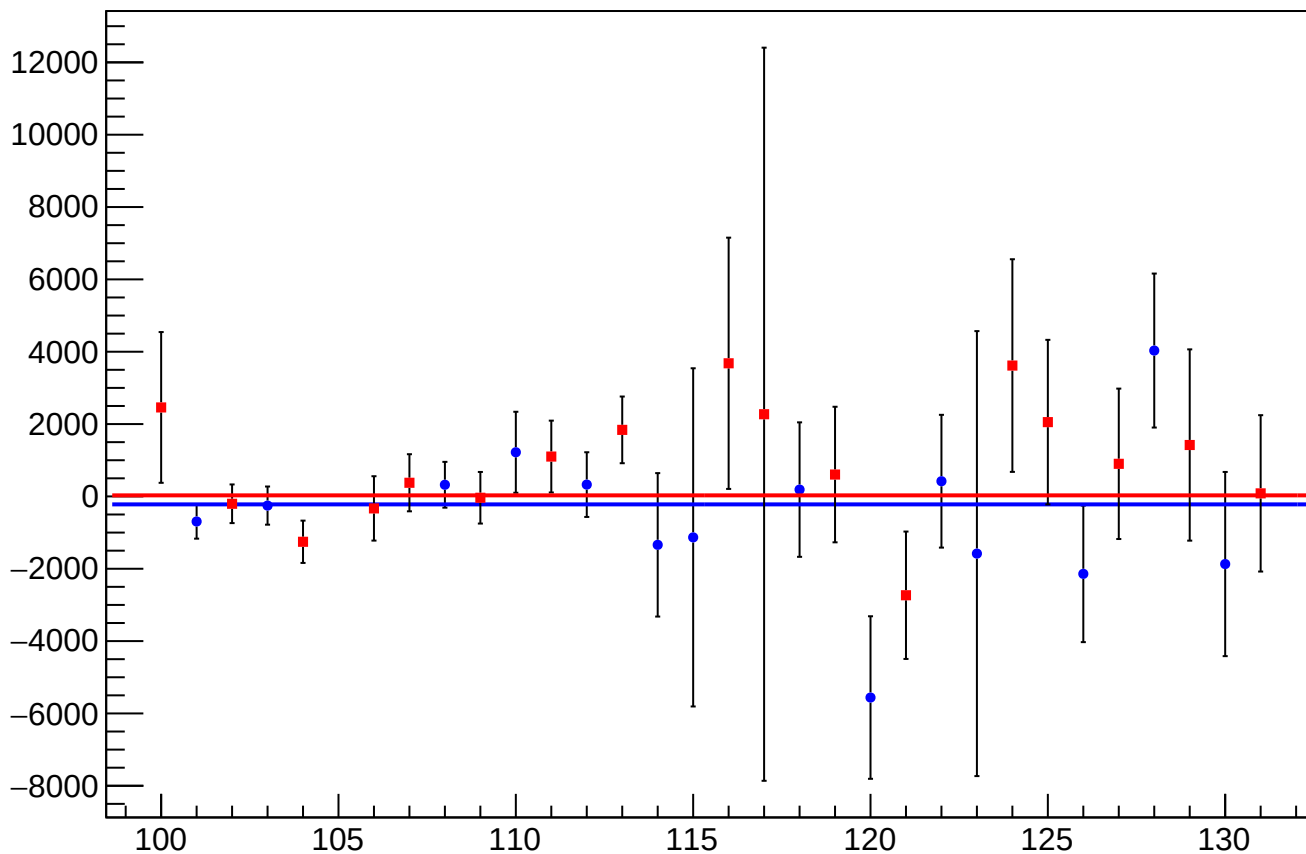
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

117.324+/-0.038  $\chi^2/\text{NDF}$ : 1012632.1/13

115.377+/-0.025  $\chi^2/\text{NDF}$ : 1873385.3/30

113.811+/-0.034  $\chi^2/\text{NDF}$ : 856031.0/16

# asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -220.413+/-264.053  $\chi^2$ /NDF: 15.4/13

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

Right Out: 29.096+/-255.842  $\chi^2$ /NDF: 18.2/16

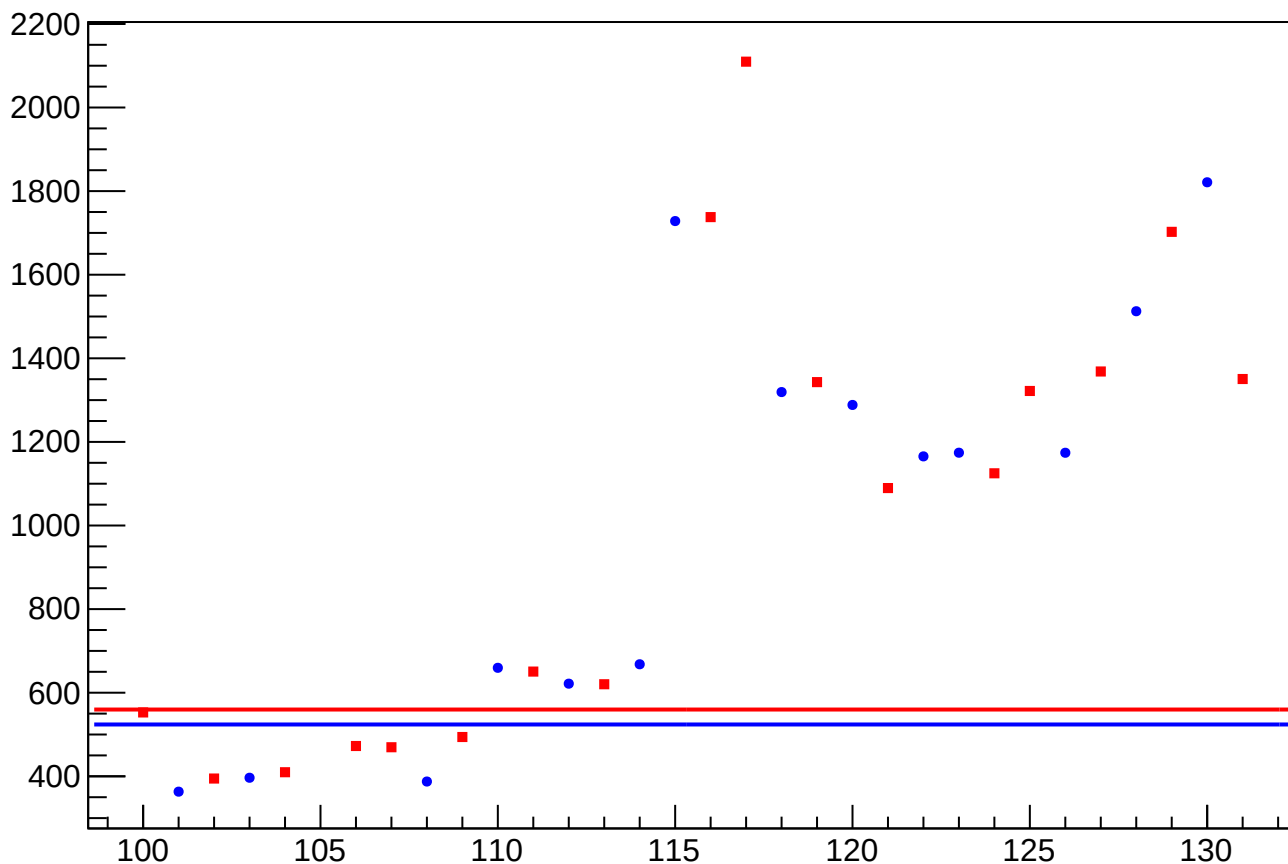
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-220.413+/-264.053  $\chi^2$ /NDF: 15.4/13

-91.719+/-183.742  $\chi^2$ /NDF: 34.1/30

29.096+/-255.842  $\chi^2$ /NDF: 18.2/16

# asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 523.993+/-0.187  $\chi^2/\text{NDF}$ : 2687161.8/13

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

Right Out: 559.760+/-0.181  $\chi^2/\text{NDF}$ : 2459862.1/16

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

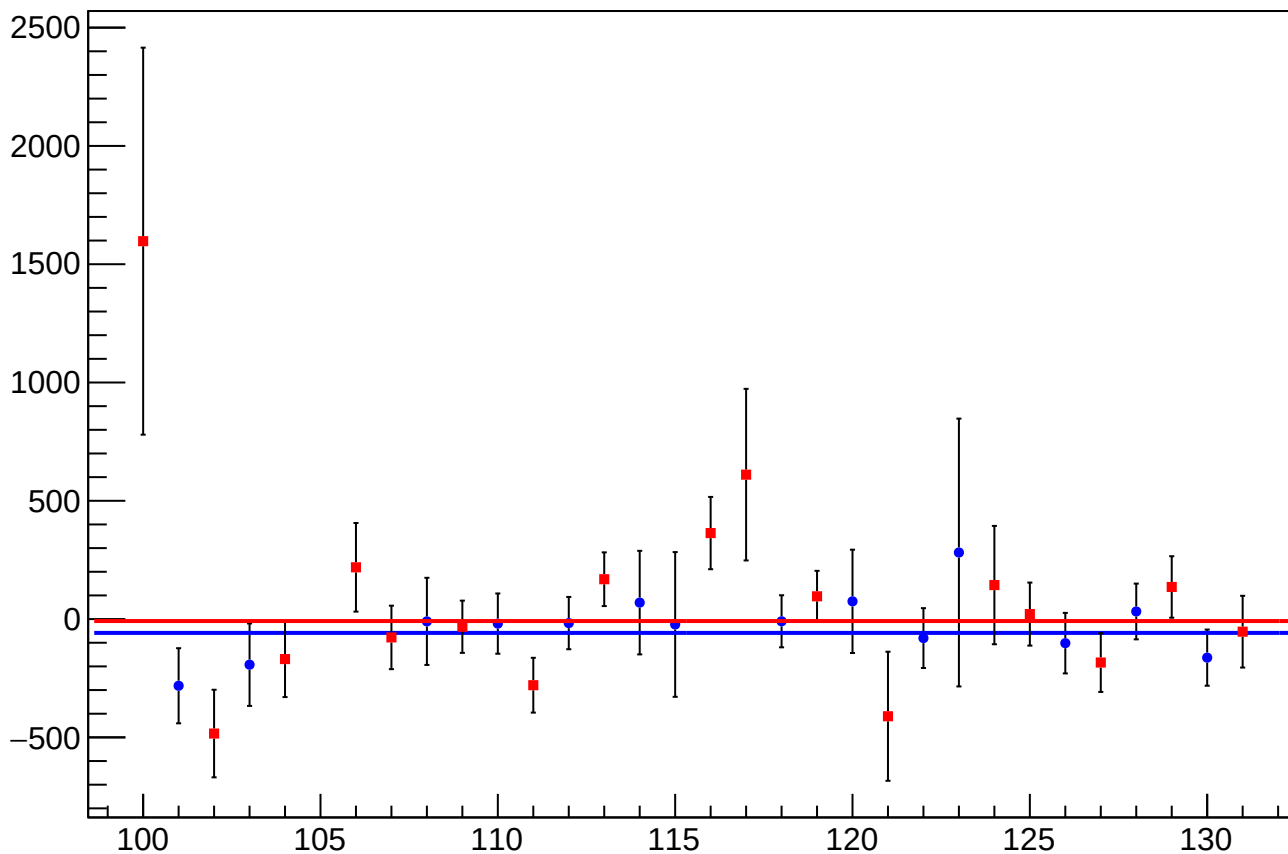
523.993+/-0.187  $\chi^2/\text{NDF}$ : 2687161.8/13

542.441+/-0.130  $\chi^2/\text{NDF}$ : 5165951.0/30

559.760+/-0.181  $\chi^2/\text{NDF}$ : 2459862.1/16



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



Right In: -58.365+/-39.208  $\chi^2/\text{NDF}$ : 5.7/13

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

Right Out: -8.293+/-35.865  $\chi^2/\text{NDF}$ : 36.8/16

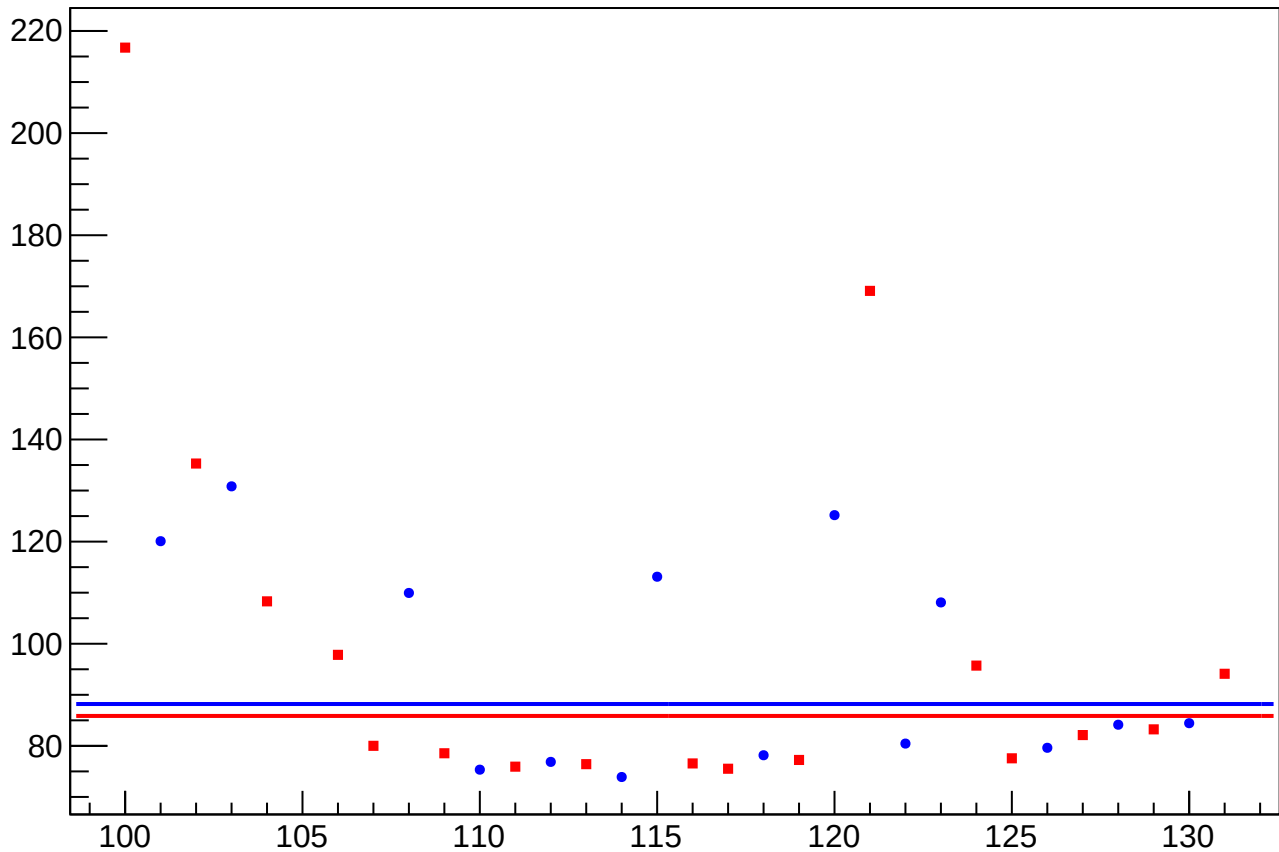
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-58.365+/-39.208  $\chi^2/\text{NDF}$ : 5.7/13

-31.104+/-26.464  $\chi^2/\text{NDF}$ : 43.4/30

-8.293+/-35.865  $\chi^2/\text{NDF}$ : 36.8/16

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



Right In: 88.197 $\pm$ 0.028  $\chi^2$ /NDF: 388733.7/13

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

Right Out: 85.862 $\pm$ 0.025  $\chi^2$ /NDF: 509618.9/16

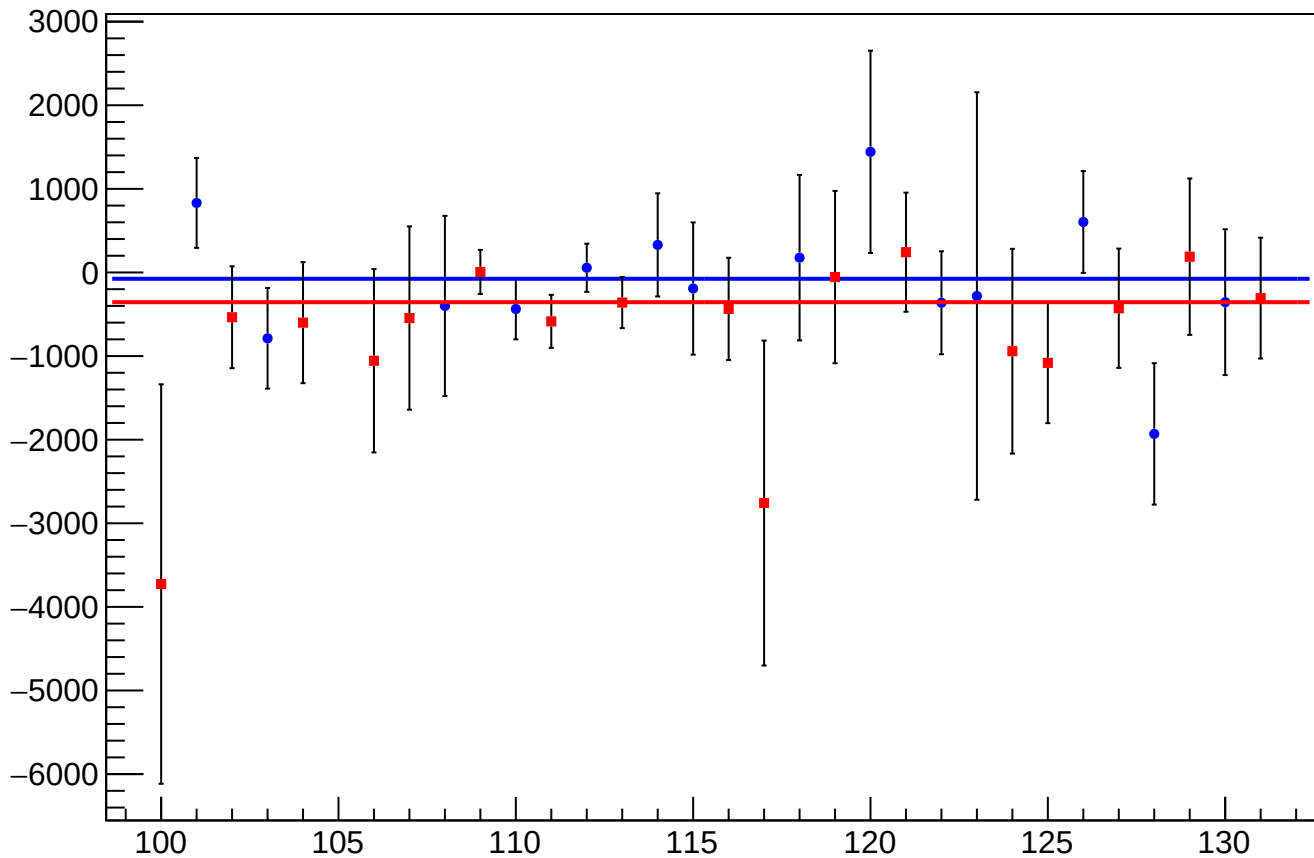
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

88.197 $\pm$ 0.028  $\chi^2$ /NDF: 388733.7/13

86.926 $\pm$ 0.019  $\chi^2$ /NDF: 902212.9/30

85.862 $\pm$ 0.025  $\chi^2$ /NDF: 509618.9/16

# asym\_sam7\_mean vs Slug, Sign Corrected



Right In:  $-75.406 \pm 156.427$   $\chi^2/\text{NDF}$ : 14.0/13

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

Right Out:  $-355.544 \pm 134.941$   $\chi^2/\text{NDF}$ : 9.0/16

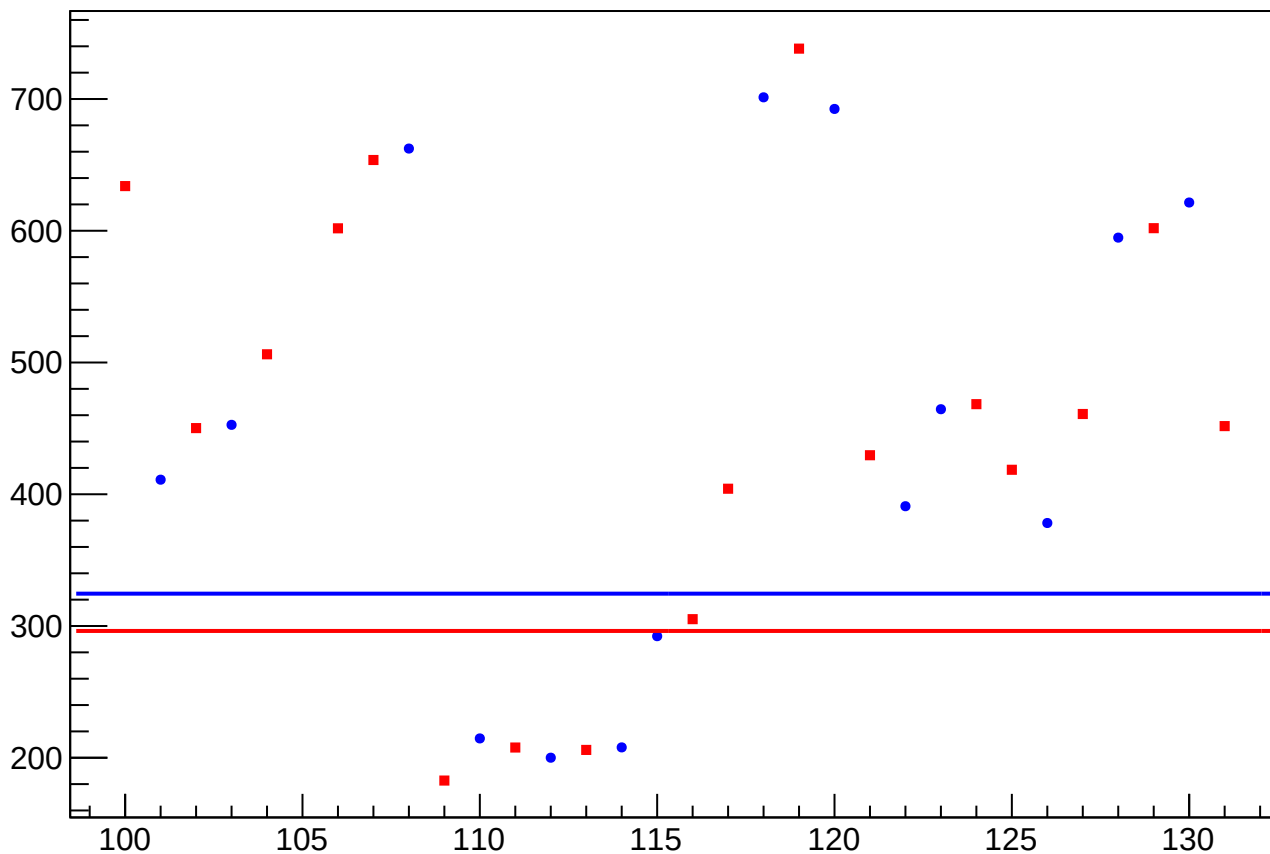
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-75.406 \pm 156.427$   $\chi^2/\text{NDF}$ : 14.0/13

$-236.022 \pm 102.176$   $\chi^2/\text{NDF}$ : 24.8/30

$-355.544 \pm 134.941$   $\chi^2/\text{NDF}$ : 9.0/16

# asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 324.554+/-0.111  $\chi^2/\text{NDF}$ : 1927062.4/13

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

Right Out: 296.243+/-0.095  $\chi^2/\text{NDF}$ : 2359452.7/16

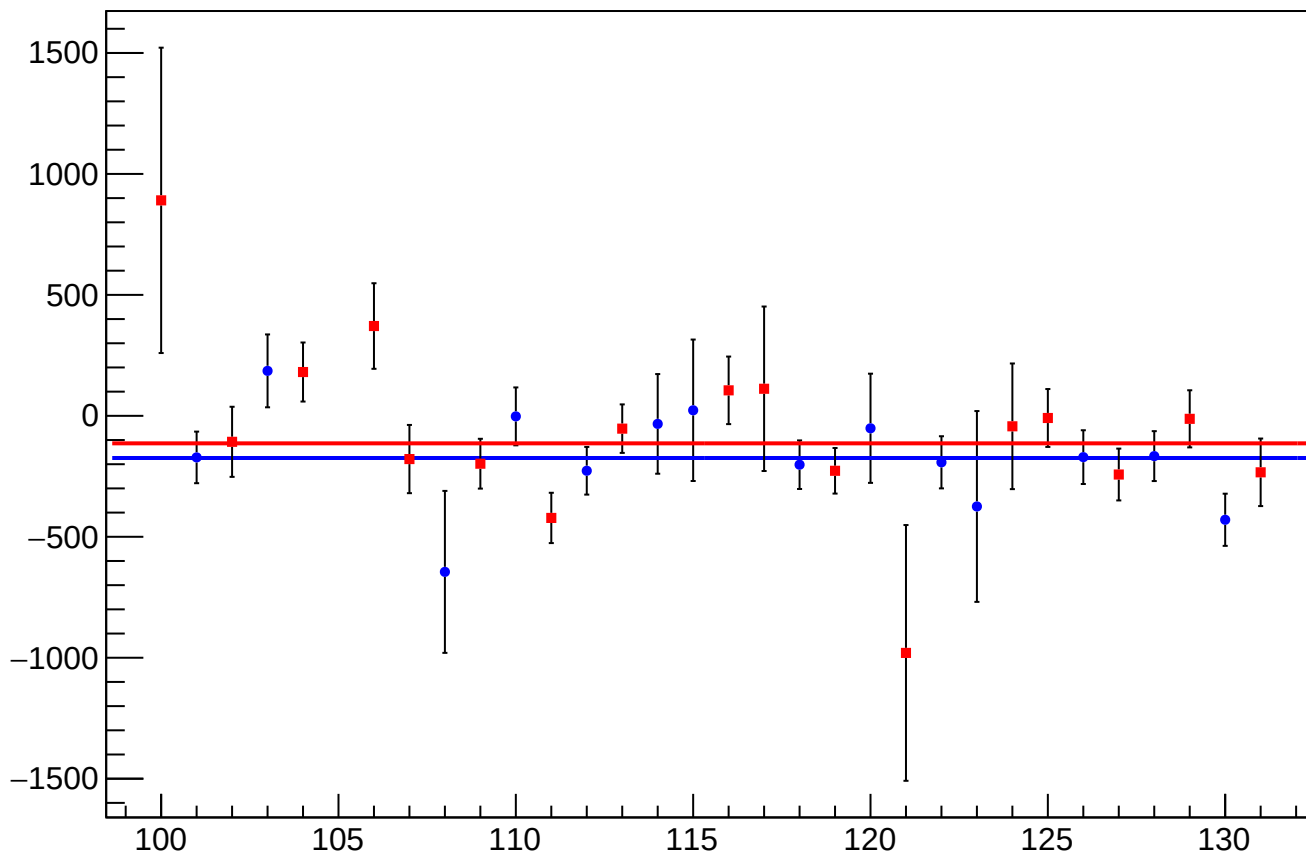
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

324.554+/-0.111  $\chi^2/\text{NDF}$ : 1927062.4/13

308.322+/-0.072  $\chi^2/\text{NDF}$ : 4324075.7/30

296.243+/-0.095  $\chi^2/\text{NDF}$ : 2359452.7/16

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



Right In: -174.301+/-34.892  $\chi^2/\text{NDF}$ : 17.2/13

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

Right Out: -113.723+/-32.327  $\chi^2/\text{NDF}$ : 36.7/16

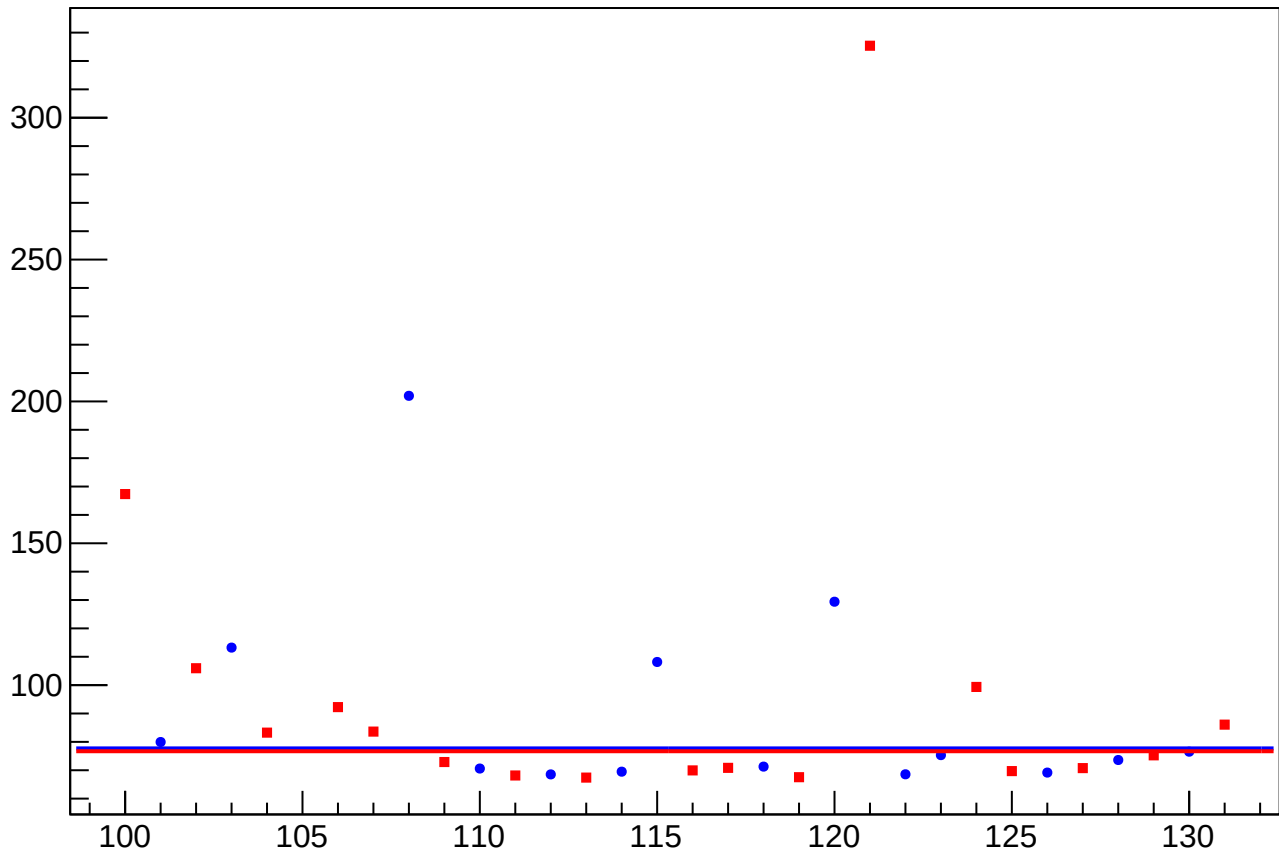
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-174.301+/-34.892  $\chi^2/\text{NDF}$ : 17.2/13

-141.704+/-23.714  $\chi^2/\text{NDF}$ : 55.6/30

-113.723+/-32.327  $\chi^2/\text{NDF}$ : 36.7/16

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



Right In: 77.698+/-0.025  $\chi^2/\text{NDF}$ : 579714.0/13

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

Right Out: 76.700+/-0.023  $\chi^2/\text{NDF}$ : 686605.6/16

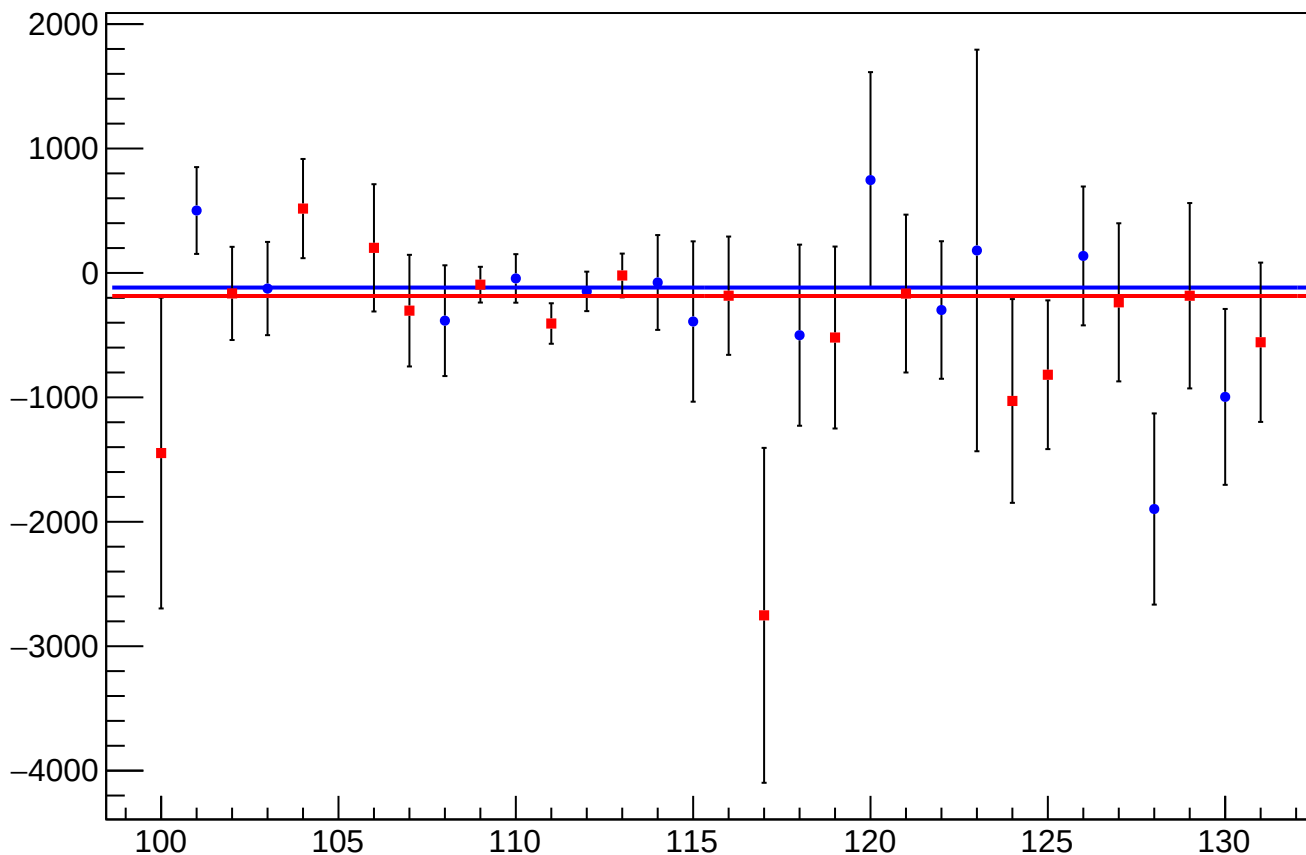
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

77.698+/-0.025  $\chi^2/\text{NDF}$ : 579714.0/13

77.161+/-0.017  $\chi^2/\text{NDF}$ : 1267200.0/30

76.700+/-0.023  $\chi^2/\text{NDF}$ : 686605.6/16

# asym\_sam8\_mean vs Slug, Sign Corrected



Right In: -117.395 $\pm$ 95.561  $\chi^2$ /NDF: 12.4/13

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

Right Out: -185.273 $\pm$ 78.634  $\chi^2$ /NDF: 14.3/16

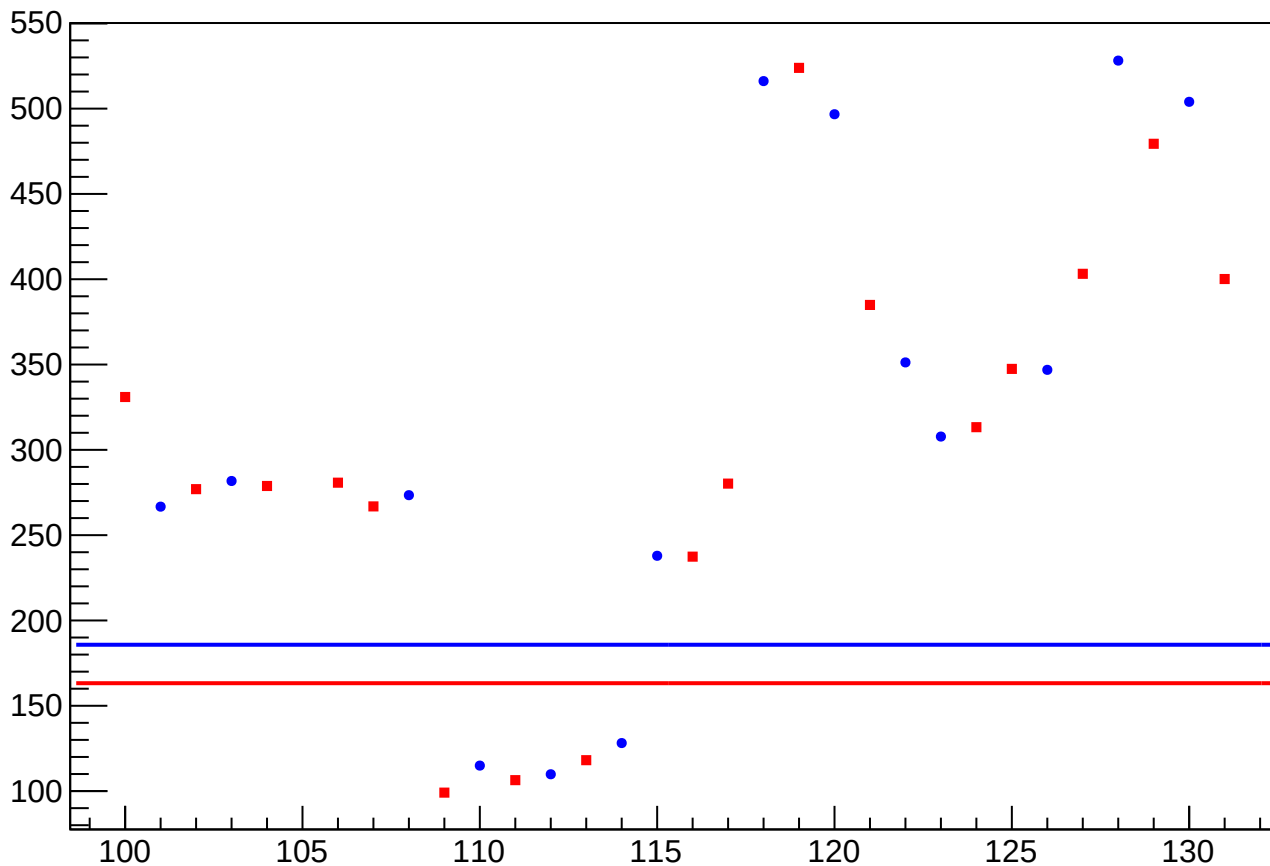
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-117.395 $\pm$ 95.561  $\chi^2$ /NDF: 12.4/13

-157.868 $\pm$ 60.720  $\chi^2$ /NDF: 27.0/30

-185.273 $\pm$ 78.634  $\chi^2$ /NDF: 14.3/16

# asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 185.769+/-0.068  $\chi^2/\text{NDF}$ : 2926393.8/13

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

Right Out: 163.230+/-0.056  $\chi^2/\text{NDF}$ : 3346375.0/16

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

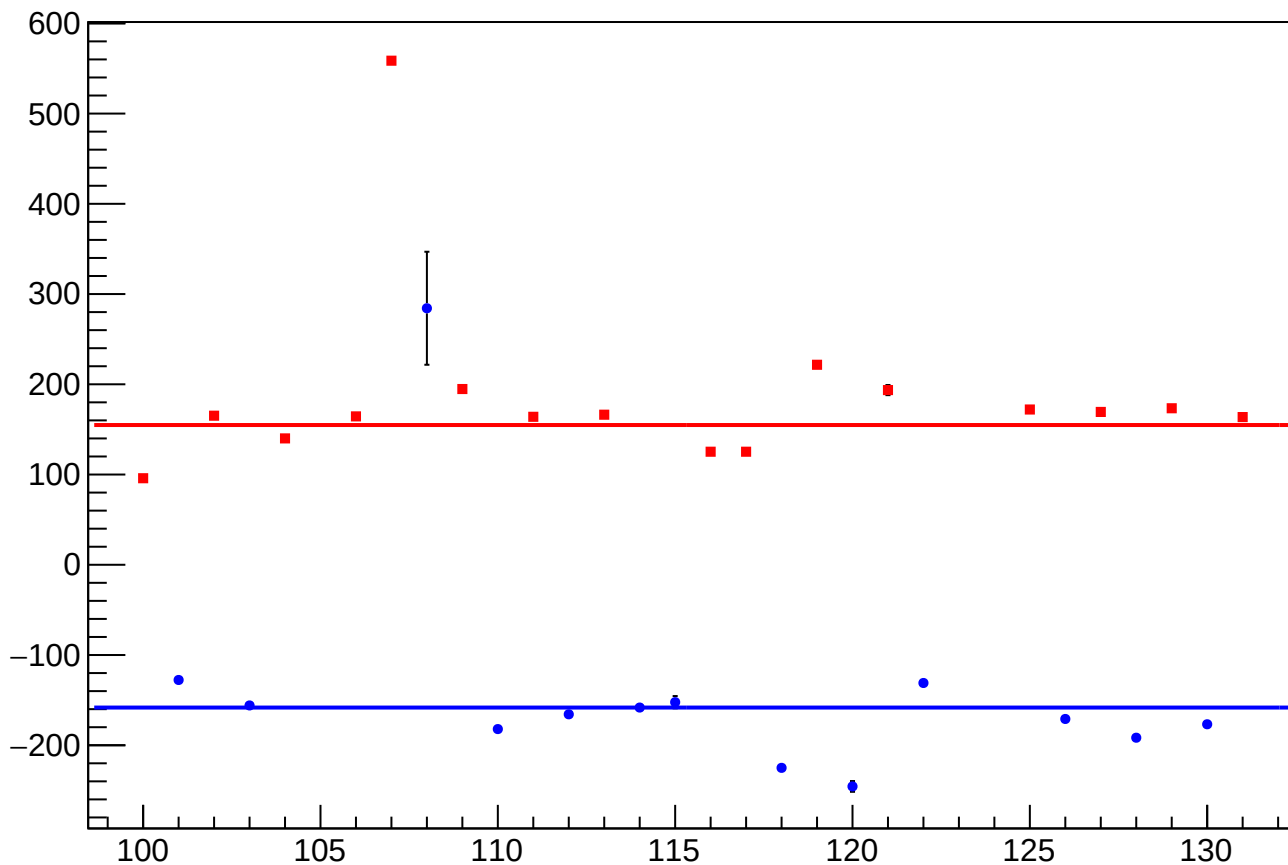
185.769+/-0.068  $\chi^2/\text{NDF}$ : 2926393.8/13

172.330+/-0.043  $\chi^2/\text{NDF}$ : 6339106.5/30

163.230+/-0.056  $\chi^2/\text{NDF}$ : 3346375.0/16



# dit\_usl\_4aX\_slope vs Slug, Sign Corrected



Right In: -158.222+/-0.000  $\chi^2/\text{NDF}$ : 14868.0/12

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

Right Out: 154.862+/-0.206  $\chi^2/\text{NDF}$ : 72520.5/15

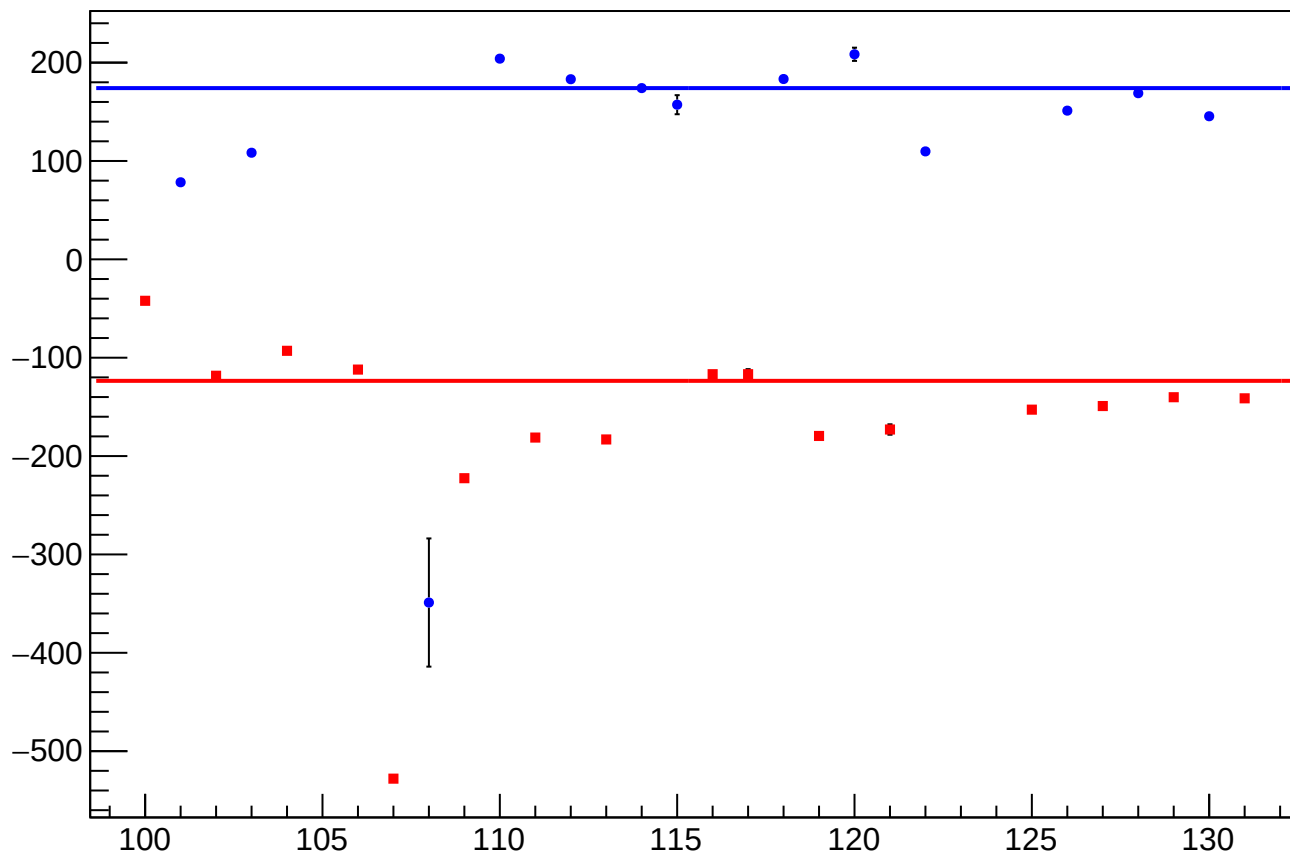
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-158.222+/-0.000  $\chi^2/\text{NDF}$ : 14868.0/12

-158.222+/-0.000  $\chi^2/\text{NDF}$ : 2394635.3/28

154.862+/-0.206  $\chi^2/\text{NDF}$ : 72520.5/15

# dit\_usl\_4eX\_slope vs Slug, Sign Corrected



Right In: 174.085+/-0.000  $\chi^2/\text{NDF}$ : 24835.1/12

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

Right Out: -123.527+/-0.225  $\chi^2/\text{NDF}$ : 107527.4/15

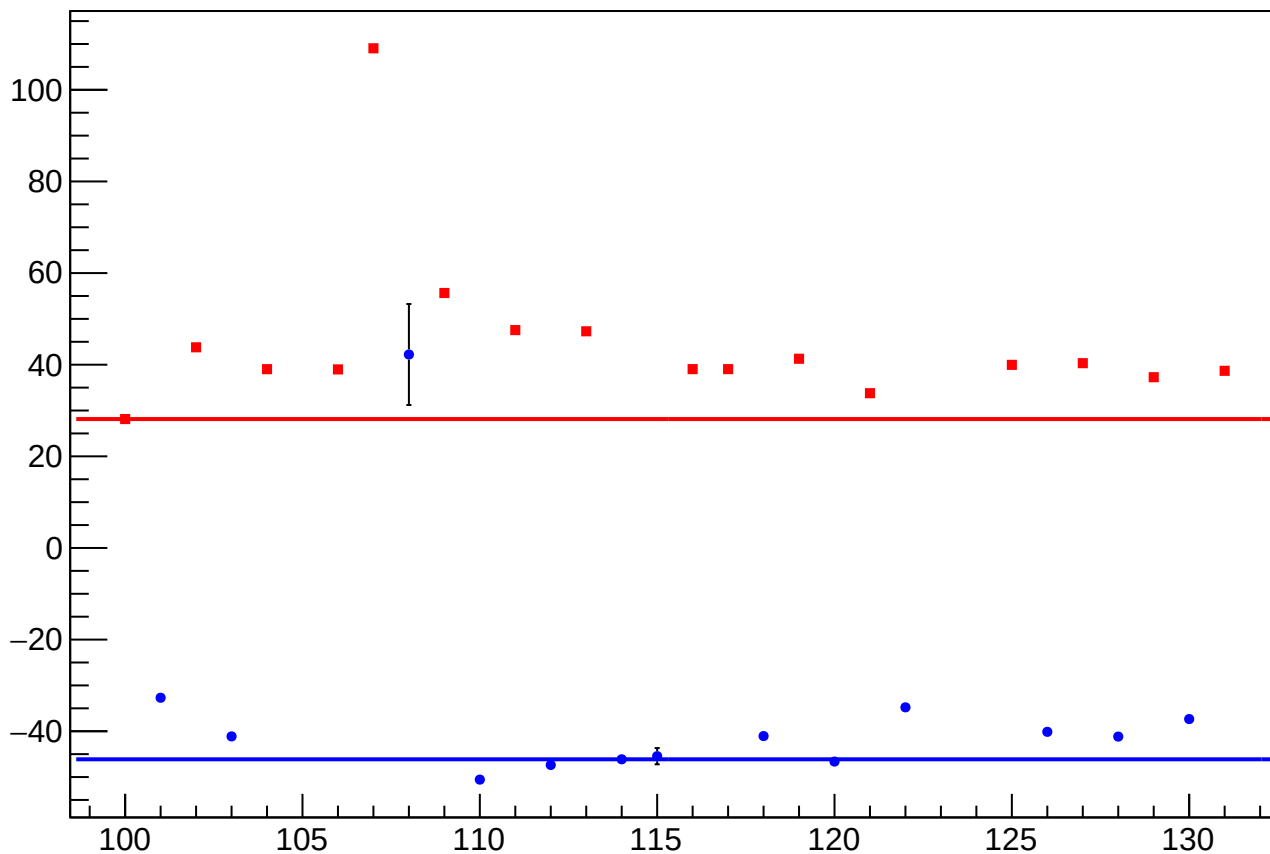
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

174.085+/-0.000  $\chi^2/\text{NDF}$ : 24835.1/12

174.085+/-0.000  $\chi^2/\text{NDF}$ : 1888465.4/28

-123.527+/-0.225  $\chi^2/\text{NDF}$ : 107527.4/15

# dit\_usl\_11X12X\_slope vs Slug, Sign Corrected



Right In: -46.126+/-0.000  $\chi^2/\text{NDF}$ : 187991.0/12

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

Right Out: 28.139+/-0.000  $\chi^2/\text{NDF}$ : 706750.6/15

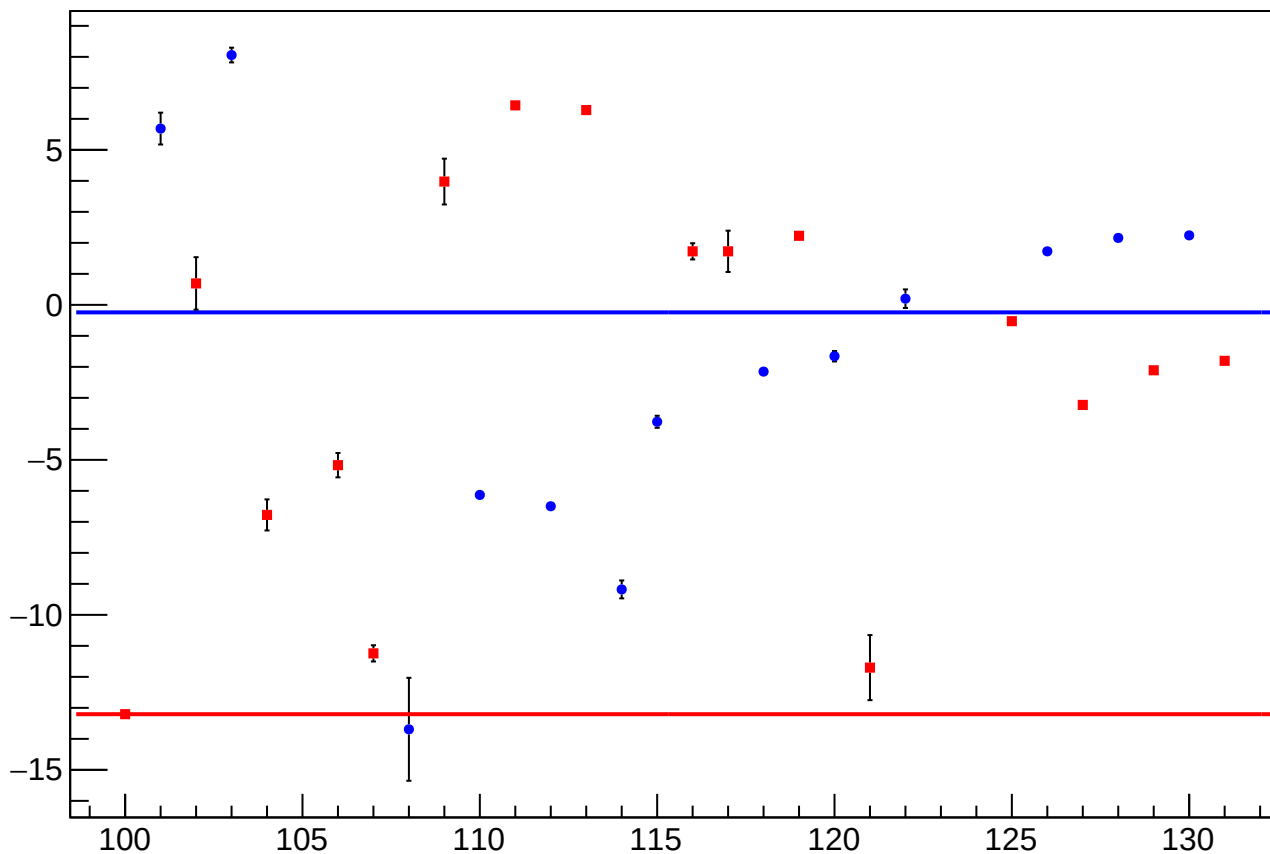
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-46.126+/-0.000  $\chi^2/\text{NDF}$ : 187991.0/12

-19.915+/-0.000  $\chi^2/\text{NDF}$ : 424121047777

28.139+/-0.000  $\chi^2/\text{NDF}$ : 706750.6/15

# dit\_usl\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.242 \pm 0.025$   $\chi^2/\text{NDF}$ : 15595.1/12

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

Right Out:  $-13.204 \pm 0.000$   $\chi^2/\text{NDF}$ : 322991.4/15

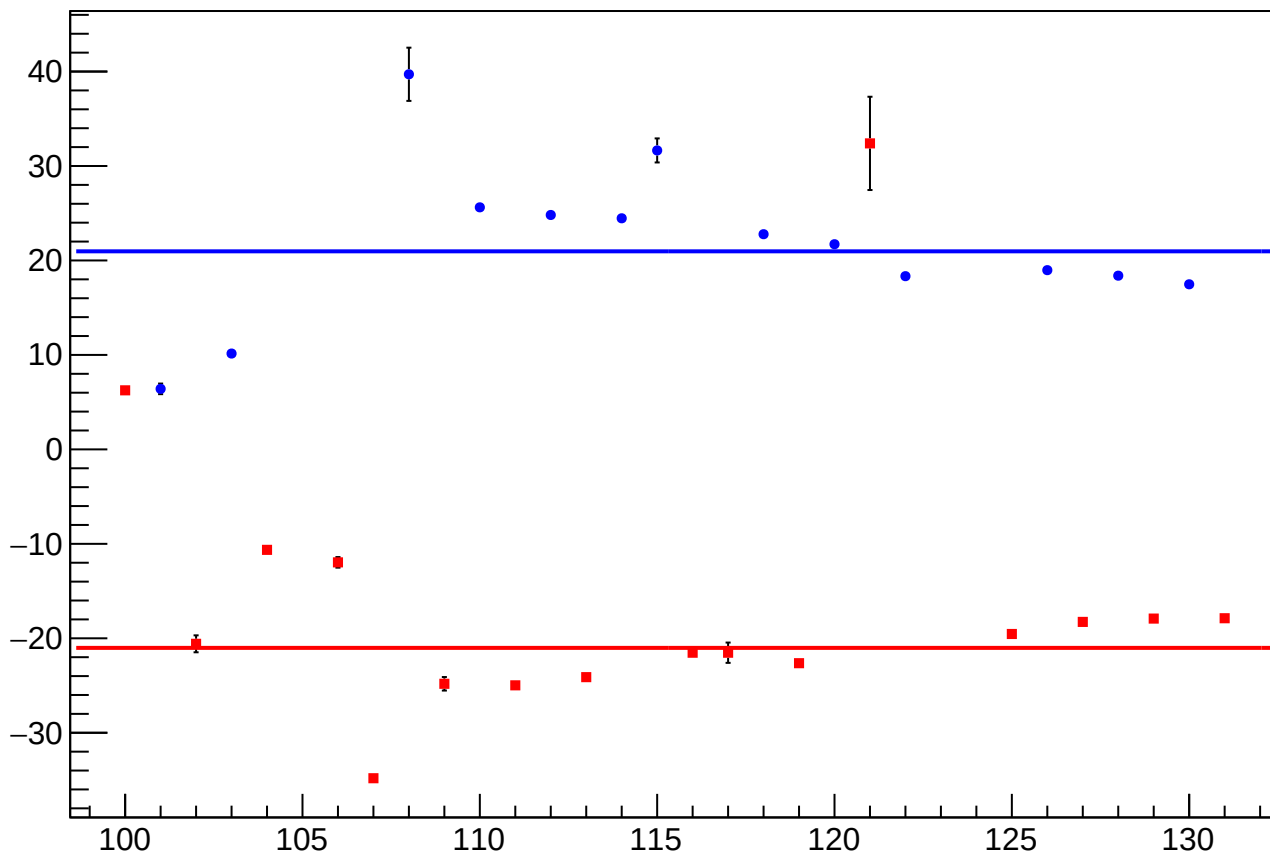
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.242 \pm 0.025$   $\chi^2/\text{NDF}$ : 15595.1/12

$-13.204 \pm 0.000$   $\chi^2/\text{NDF}$ : 597528.0/28

$-13.204 \pm 0.000$   $\chi^2/\text{NDF}$ : 322991.4/15

# dit\_usl\_4eY\_slope vs Slug, Sign Corrected



Right In: 20.967+/-0.027  $\chi^2$ /NDF: 11957.7/12

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

Right Out: -21.014+/-0.025  $\chi^2$ /NDF: 19348.8/15

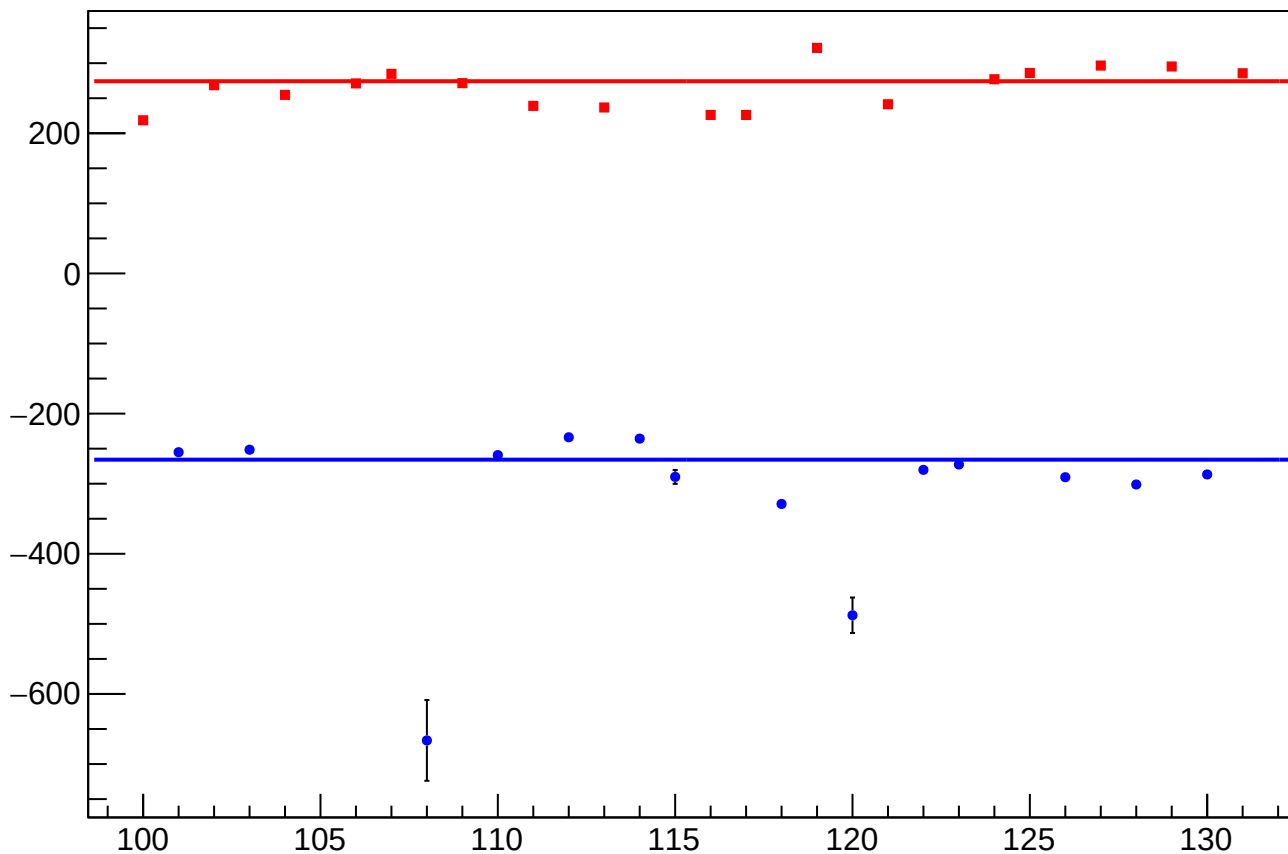
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

20.967+/-0.027  $\chi^2$ /NDF: 11957.7/12

-1.927+/-0.018  $\chi^2$ /NDF: 1352612.0/28

-21.014+/-0.025  $\chi^2$ /NDF: 19348.8/15

# dit\_usr\_4aX\_slope vs Slug, Sign Corrected



Right In: -265.719+/-0.184  $\chi^2/\text{NDF}$ : 28767.6/13

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

Right Out: 274.276+/-0.155  $\chi^2/\text{NDF}$ : 55508.0/16

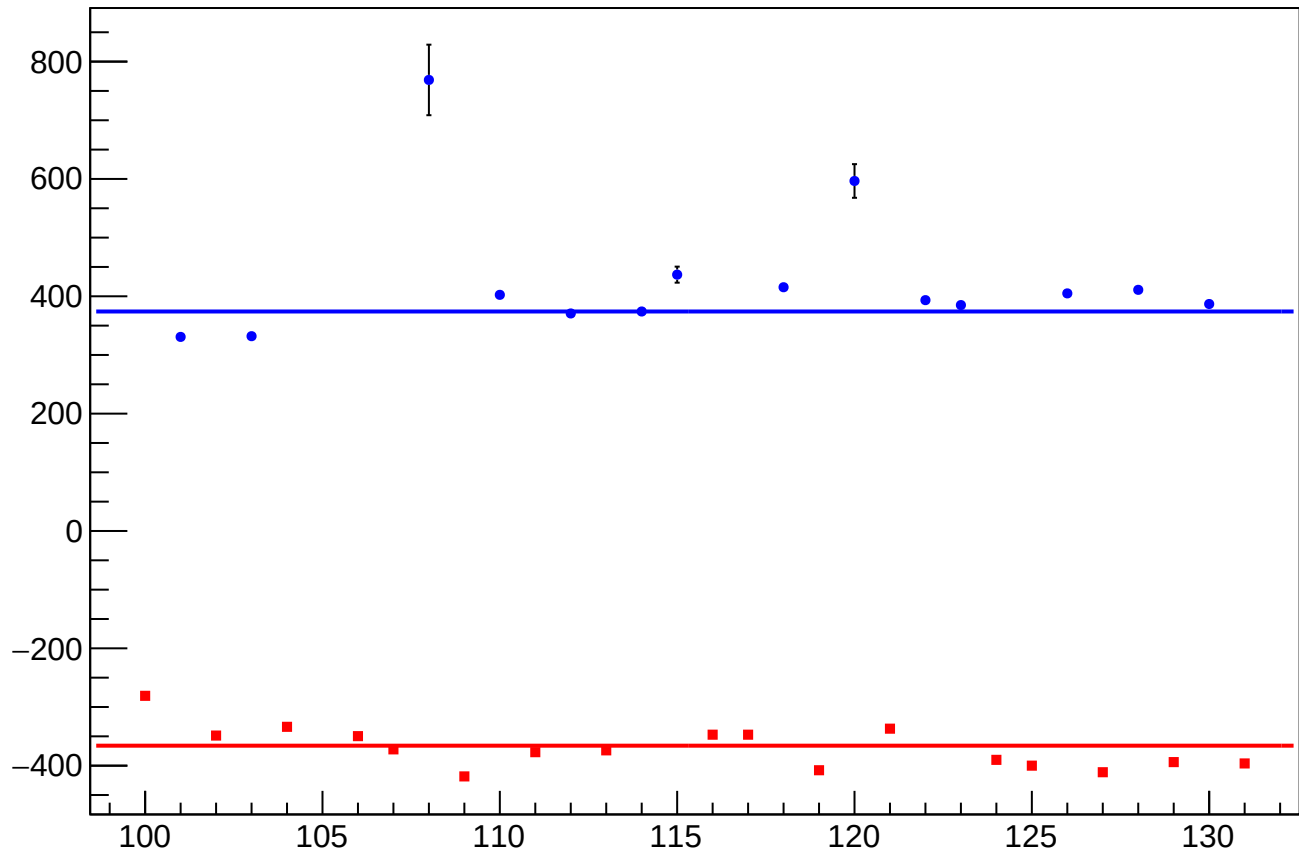
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-265.719+/-0.184  $\chi^2/\text{NDF}$ : 28767.6/13

50.611+/-0.118  $\chi^2/\text{NDF}$ : 5143268.8/30

274.276+/-0.155  $\chi^2/\text{NDF}$ : 55508.0/16

# dit\_usr\_4eX\_slope vs Slug, Sign Corrected



Right In: 374.094 $\pm$ 0.000  $\chi^2$ /NDF: 10579.6/13

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

Right Out: -365.921 $\pm$ 0.165  $\chi^2$ /NDF: 85437.3/16

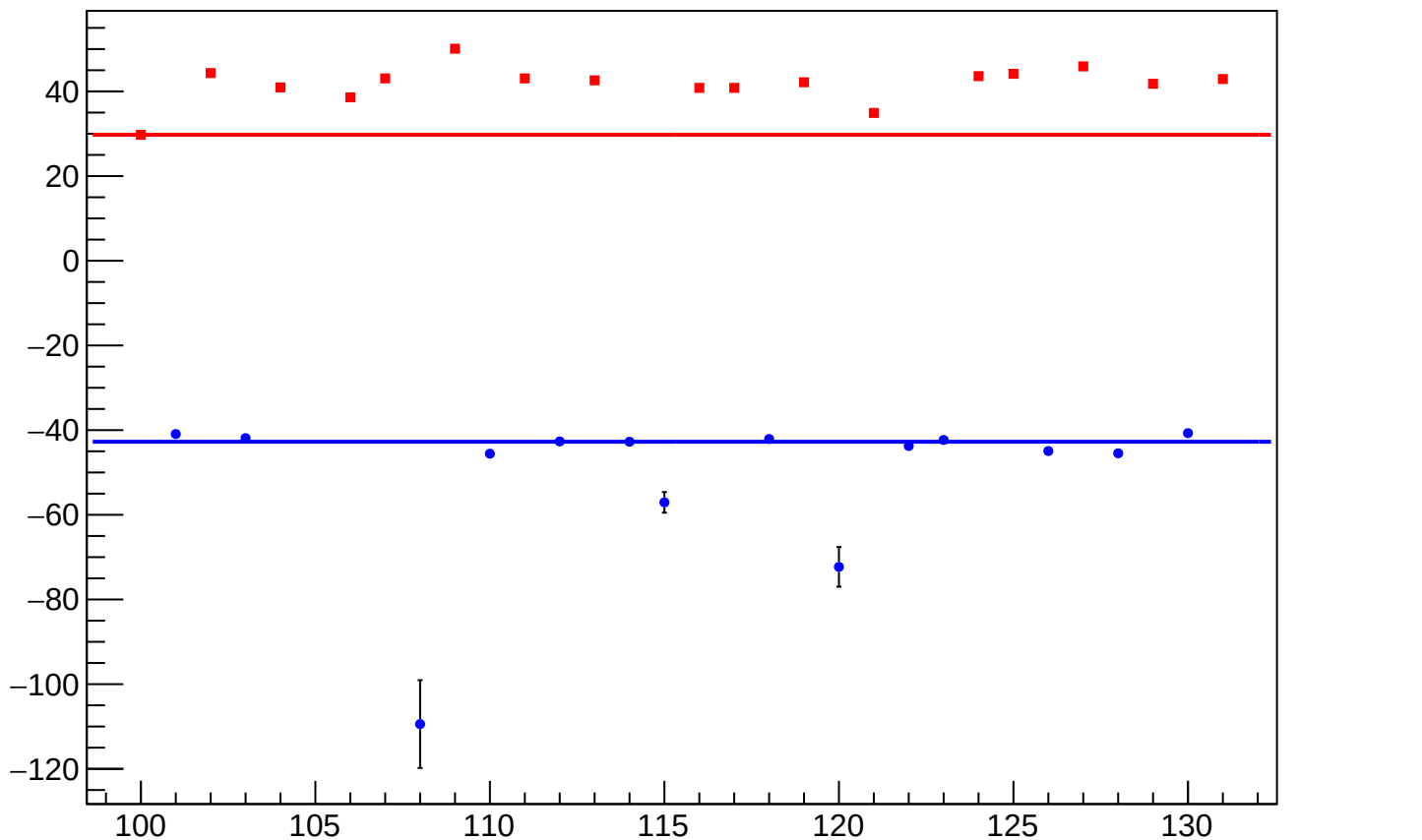
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

374.094 $\pm$ 0.000  $\chi^2$ /NDF: 10579.6/13

374.094 $\pm$ 0.000  $\chi^2$ /NDF: 20195718.6/30

-365.921 $\pm$ 0.165  $\chi^2$ /NDF: 85437.3/16

# dit\_usr\_11X12X\_slope vs Slug, Sign Corrected



Right In: -42.744+/-0.000  $\chi^2/\text{NDF}$ : 3390.7/13

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

Right Out: 29.754+/-0.000  $\chi^2/\text{NDF}$ : 434186.0/16

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

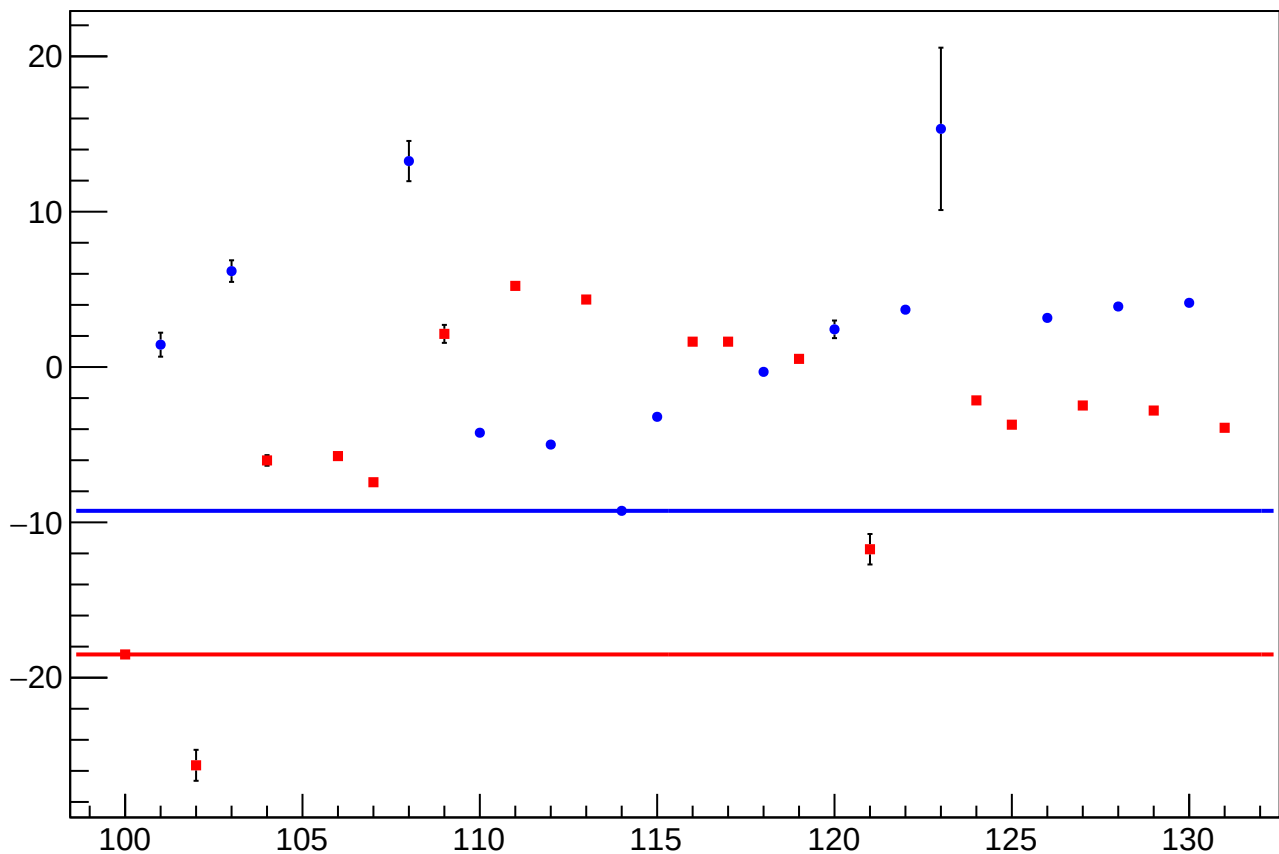
-42.744+/-0.000  $\chi^2/\text{NDF}$ : 3390.7/13

-17.157+/-0.000  $\chi^2/\text{NDF}$ : 404170008922

29.754+/-0.000  $\chi^2/\text{NDF}$ : 434186.0/16



# dit\_usr\_4aY\_slope vs Slug, Sign Corrected



Right In: -9.259+/-0.000  $\chi^2/\text{NDF}$ : 268253.7/13

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

Right Out: -18.504+/-0.000  $\chi^2/\text{NDF}$ : 2387902.1/16

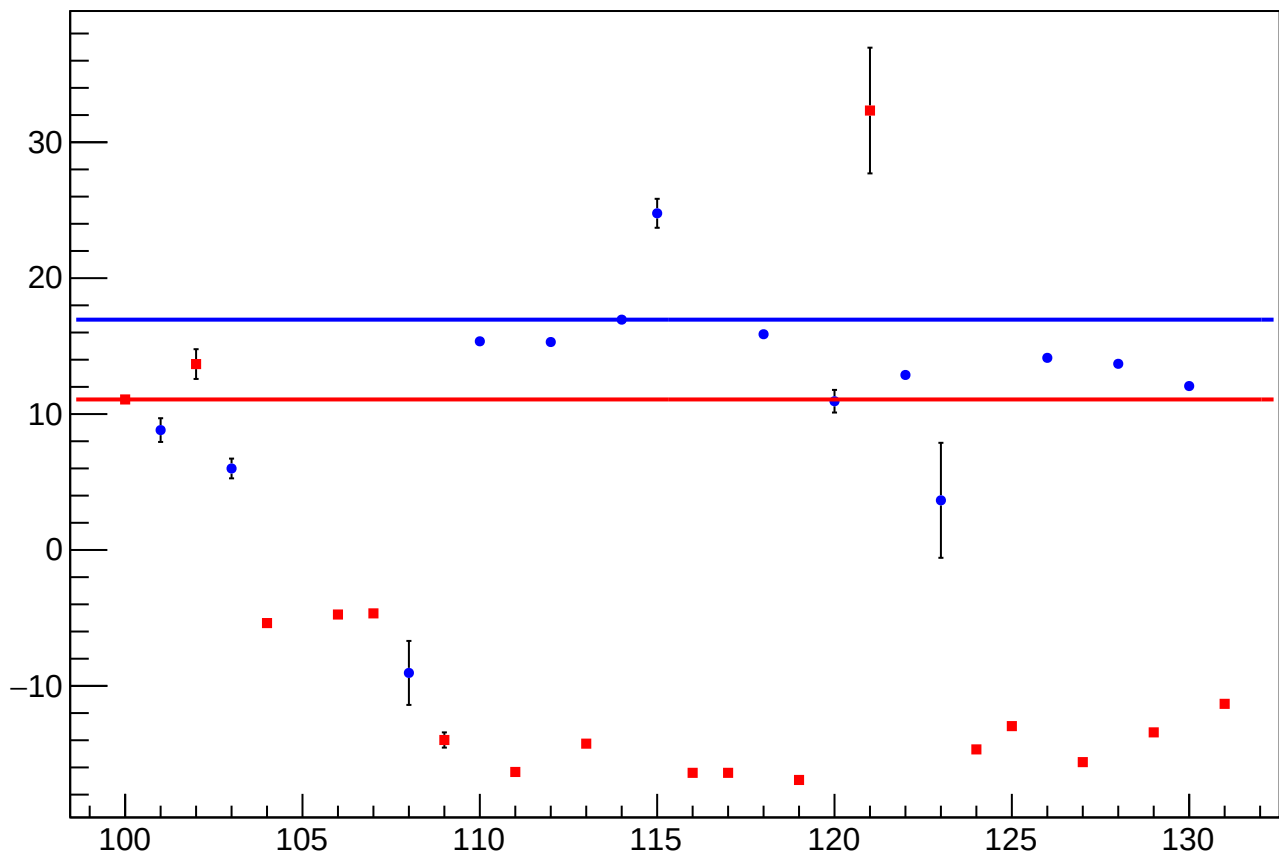
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9.259+/-0.000  $\chi^2/\text{NDF}$ : 268253.7/13

-14.353+/-0.000  $\chi^2/\text{NDF}$ : 1824444798170

-18.504+/-0.000  $\chi^2/\text{NDF}$ : 2387902.1/16

# dit\_usr\_4eY\_slope vs Slug, Sign Corrected



Right In: 16.947+/-0.000  $\chi^2/\text{NDF}$ : 10590.8/13

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

Right Out: 11.075+/-0.000  $\chi^2/\text{NDF}$ : 1987819.0/16

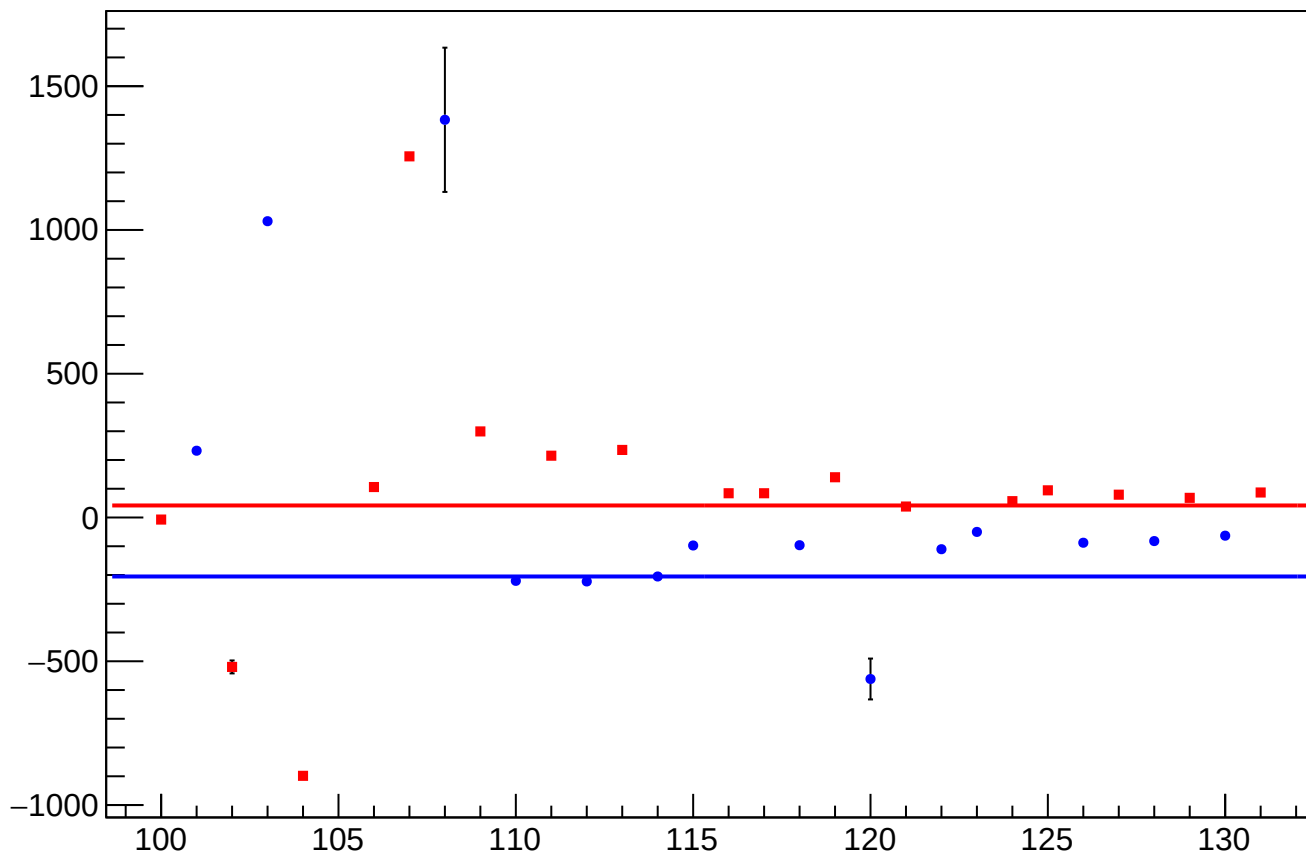
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

16.947+/-0.000  $\chi^2/\text{NDF}$ : 10590.8/13

12.920+/-0.000  $\chi^2/\text{NDF}$ : 2060373135247

11.075+/-0.000  $\chi^2/\text{NDF}$ : 1987819.0/16

# dit\_atl1\_4aX\_slope vs Slug, Sign Corrected



Right In: -205.160+/-0.000  $\chi^2/\text{NDF}$ : 556005.3/13

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

Right Out: 41.824+/-0.301  $\chi^2/\text{NDF}$ : 87980.8/16

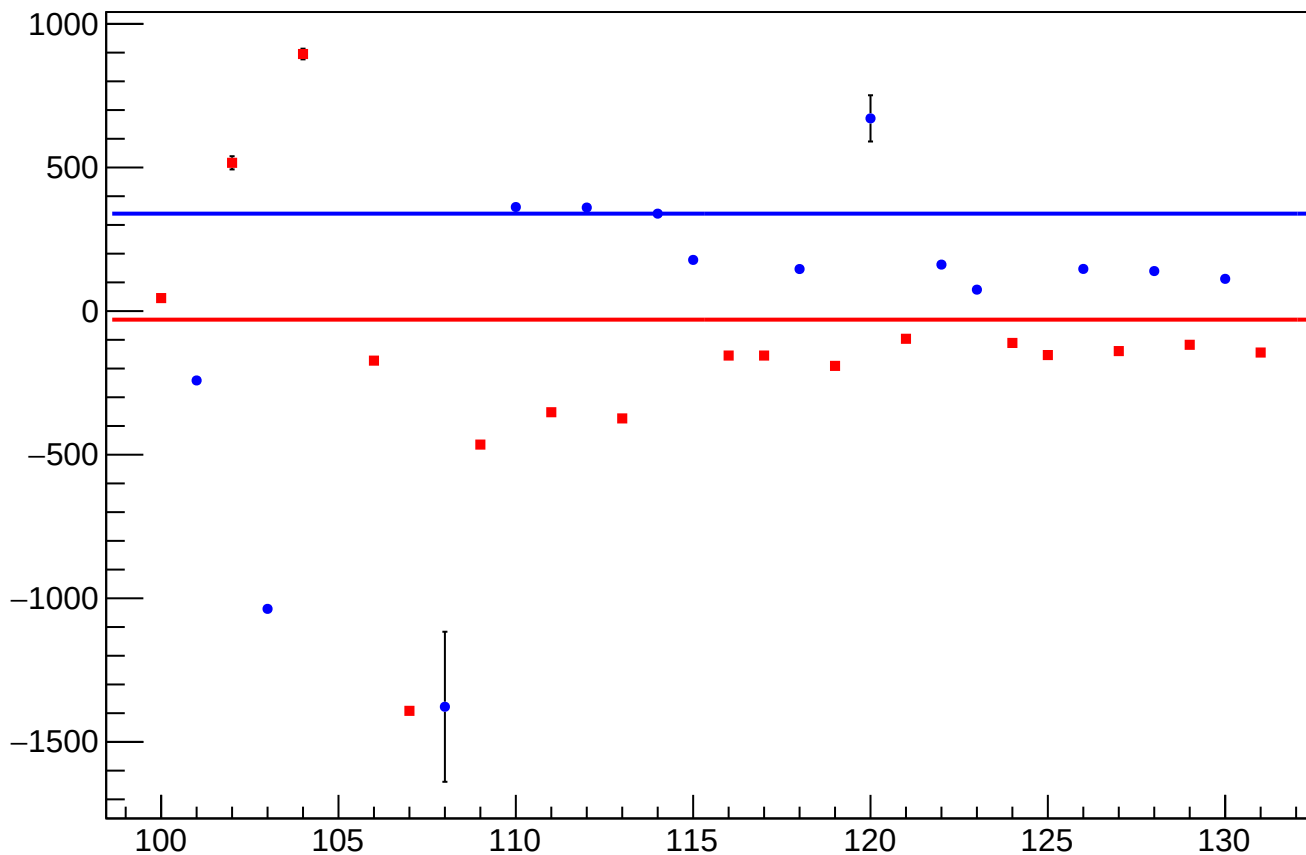
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-205.160+/-0.000  $\chi^2/\text{NDF}$ : 556005.3/13

-205.160+/-0.000  $\chi^2/\text{NDF}$ : 1318451.1/30

41.824+/-0.301  $\chi^2/\text{NDF}$ : 87980.8/16

# dit\_atl1\_4eX\_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000  $\chi^2/\text{NDF}$ : 967323.7/13

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

Right Out: -29.754+/-0.314  $\chi^2/\text{NDF}$ : 182474.0/16

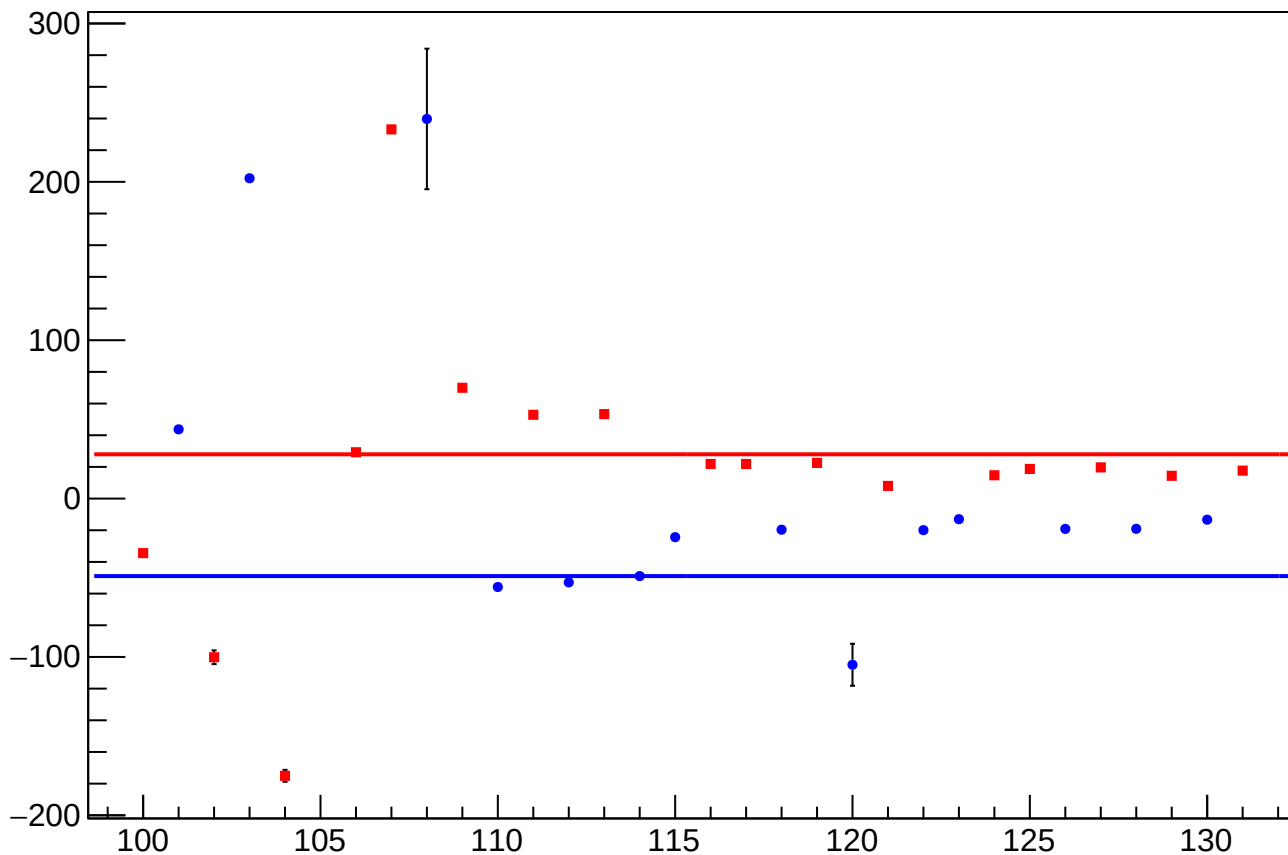
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

339.325+/-0.000  $\chi^2/\text{NDF}$ : 967323.7/13

339.325+/-0.000  $\chi^2/\text{NDF}$ : 2529843.2/30

-29.754+/-0.314  $\chi^2/\text{NDF}$ : 182474.0/16

# dit\_atl1\_11X12X\_slope vs Slug, Sign Corrected



Right In: -48.945 $\pm$ 0.000  $\chi^2$ /NDF: 5189371.7/13

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

Right Out: 27.961 $\pm$ 0.057  $\chi^2$ /NDF: 164604.0/16

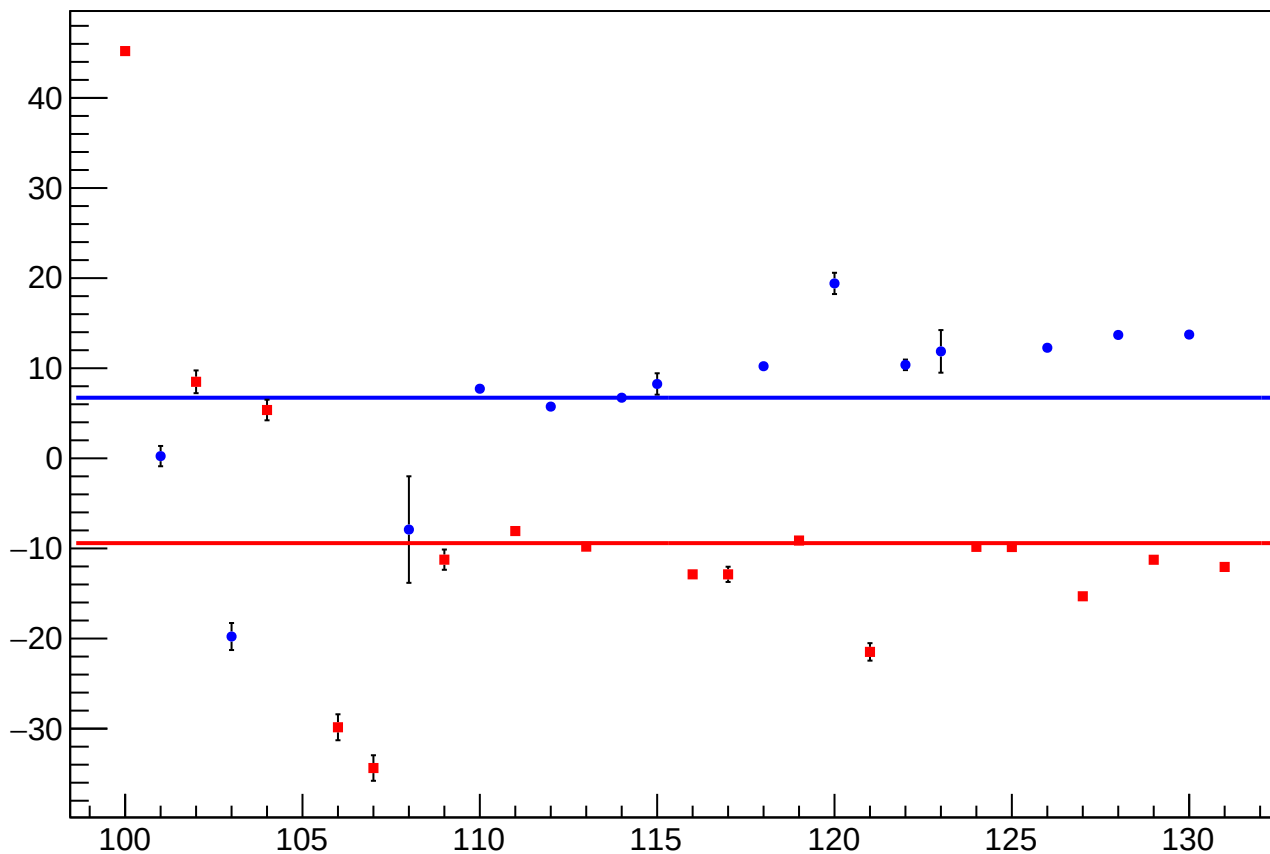
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-48.945 $\pm$ 0.000  $\chi^2$ /NDF: 5189371.7/13

-48.945 $\pm$ 0.000  $\chi^2$ /NDF: 7160646.7/30

27.961 $\pm$ 0.057  $\chi^2$ /NDF: 164604.0/16

# dit\_atl1\_4aY\_slope vs Slug, Sign Corrected



Right In: 6.728+/-0.000  $\chi^2/\text{NDF}$ : 10463.9/13

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

Right Out: -9.411+/-0.038  $\chi^2/\text{NDF}$ : 26765.3/16

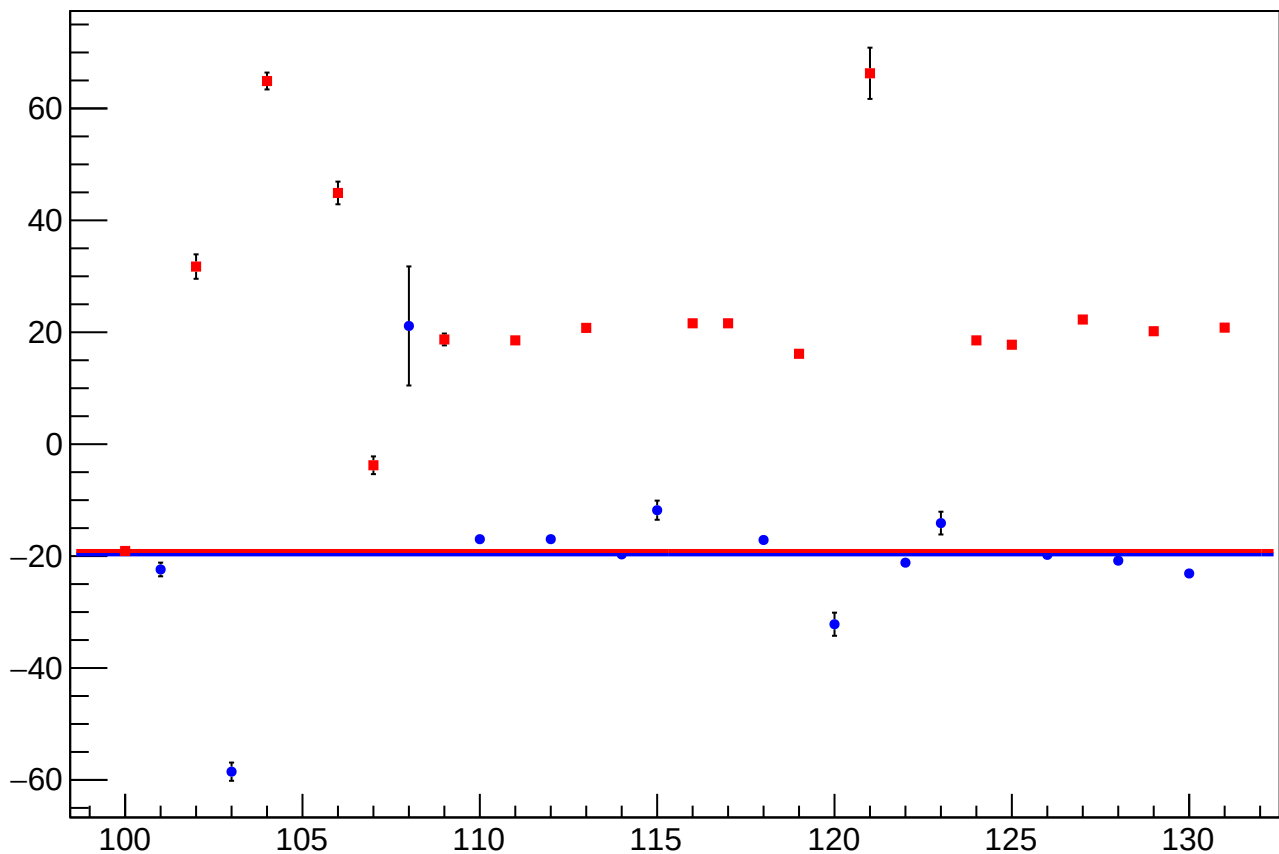
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.728+/-0.000  $\chi^2/\text{NDF}$ : 10463.9/13

6.728+/-0.000  $\chi^2/\text{NDF}$ : 220361.5/30

-9.411+/-0.038  $\chi^2/\text{NDF}$ : 26765.3/16

# dit\_atl1\_4eY\_slope vs Slug, Sign Corrected



Right In: -19.693 $\pm$ 0.000  $\chi^2$ /NDF: 4166.2/13

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

Right Out: -19.086 $\pm$ 0.000  $\chi^2$ /NDF: 478261.7/16

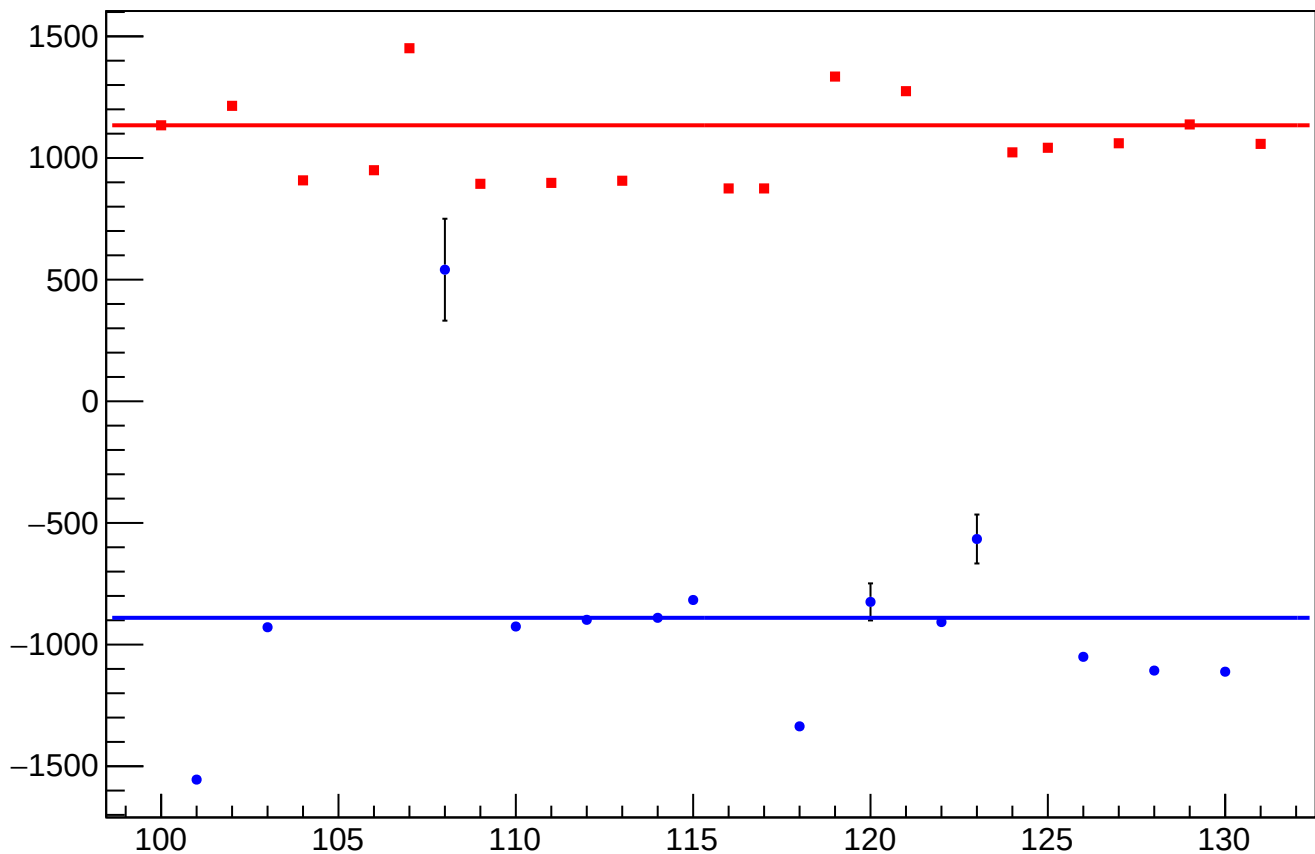
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-19.693 $\pm$ 0.000  $\chi^2$ /NDF: 4166.2/13

-19.479 $\pm$ 0.000  $\chi^2$ /NDF: 113264166208

-19.086 $\pm$ 0.000  $\chi^2$ /NDF: 478261.7/16

# dit\_atl2\_4aX\_slope vs Slug, Sign Corrected



Right In: -889.928+/-0.000  $\chi^2$ /NDF: 162240.7/13

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

Right Out: 1134.421+/-0.000  $\chi^2$ /NDF: 313854.3/16

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

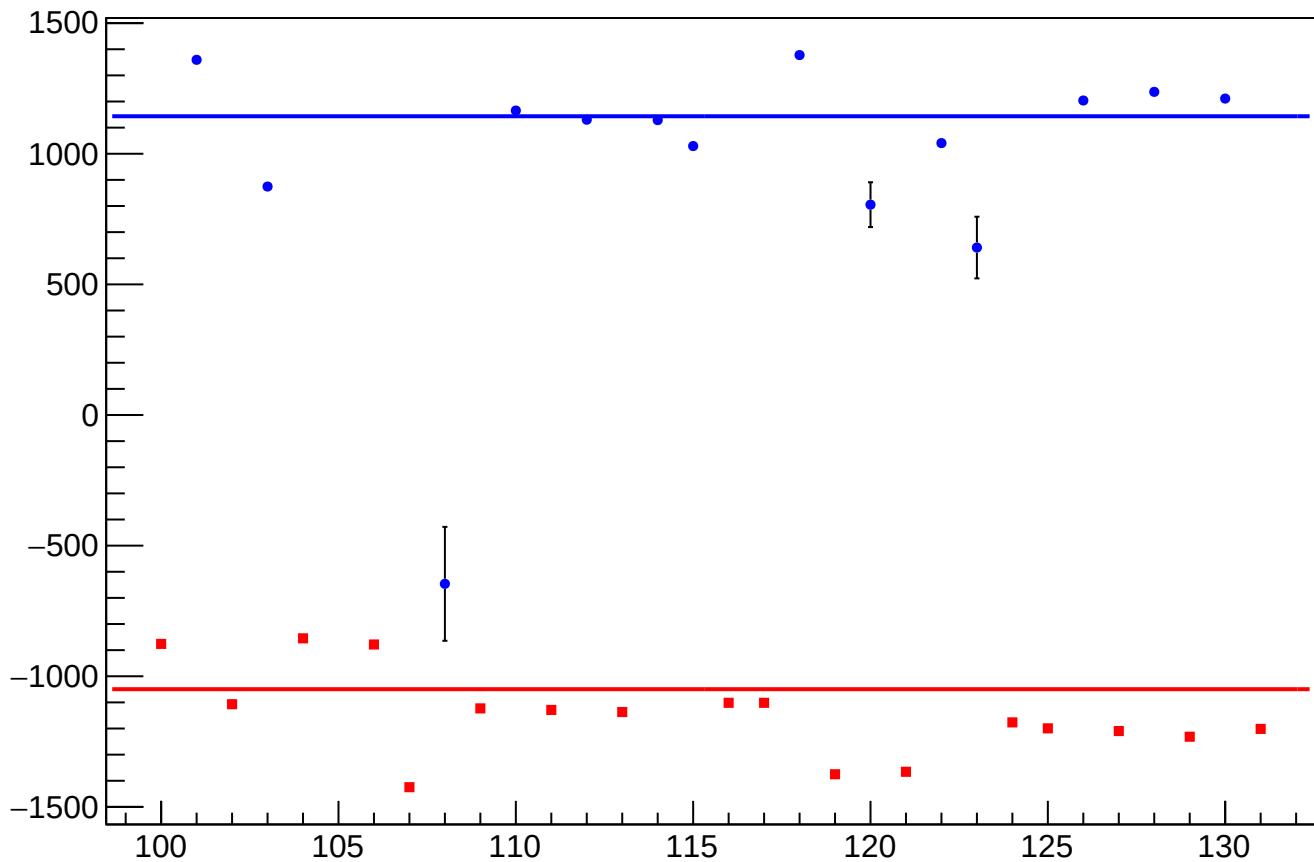
-889.928+/-0.000  $\chi^2$ /NDF: 162240.7/13

-175.452+/-0.000  $\chi^2$ /NDF: 30774122941

1134.421+/-0.000  $\chi^2$ /NDF: 313854.3/16



# dit\_atl2\_4eX\_slope vs Slug, Sign Corrected



Right In: 1143.559 $\pm$ 0.252  $\chi^2$ /NDF: 58559.2/13

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

Right Out: -1049.399 $\pm$ 0.259  $\chi^2$ /NDF: 486548.5/16

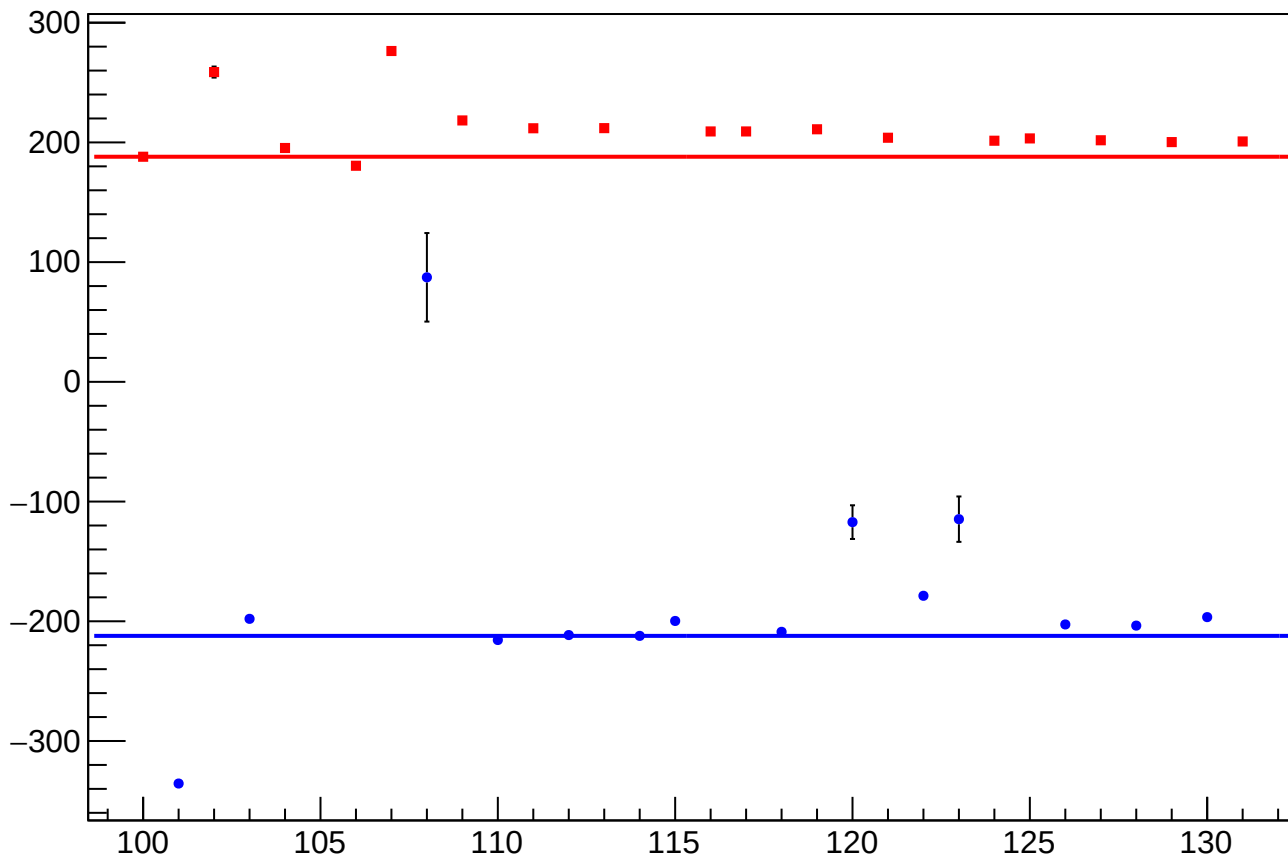
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1143.559 $\pm$ 0.252  $\chi^2$ /NDF: 58559.2/13

74.270 $\pm$ 0.181  $\chi^2$ /NDF: 37419513.5/30

-1049.399 $\pm$ 0.259  $\chi^2$ /NDF: 486548.5/16

# dit\_atl2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -212.190+/-0.000  $\chi^2/\text{NDF}$ : 317094.8/13

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

Right Out: 188.033+/-0.000  $\chi^2/\text{NDF}$ : 288278.7/16

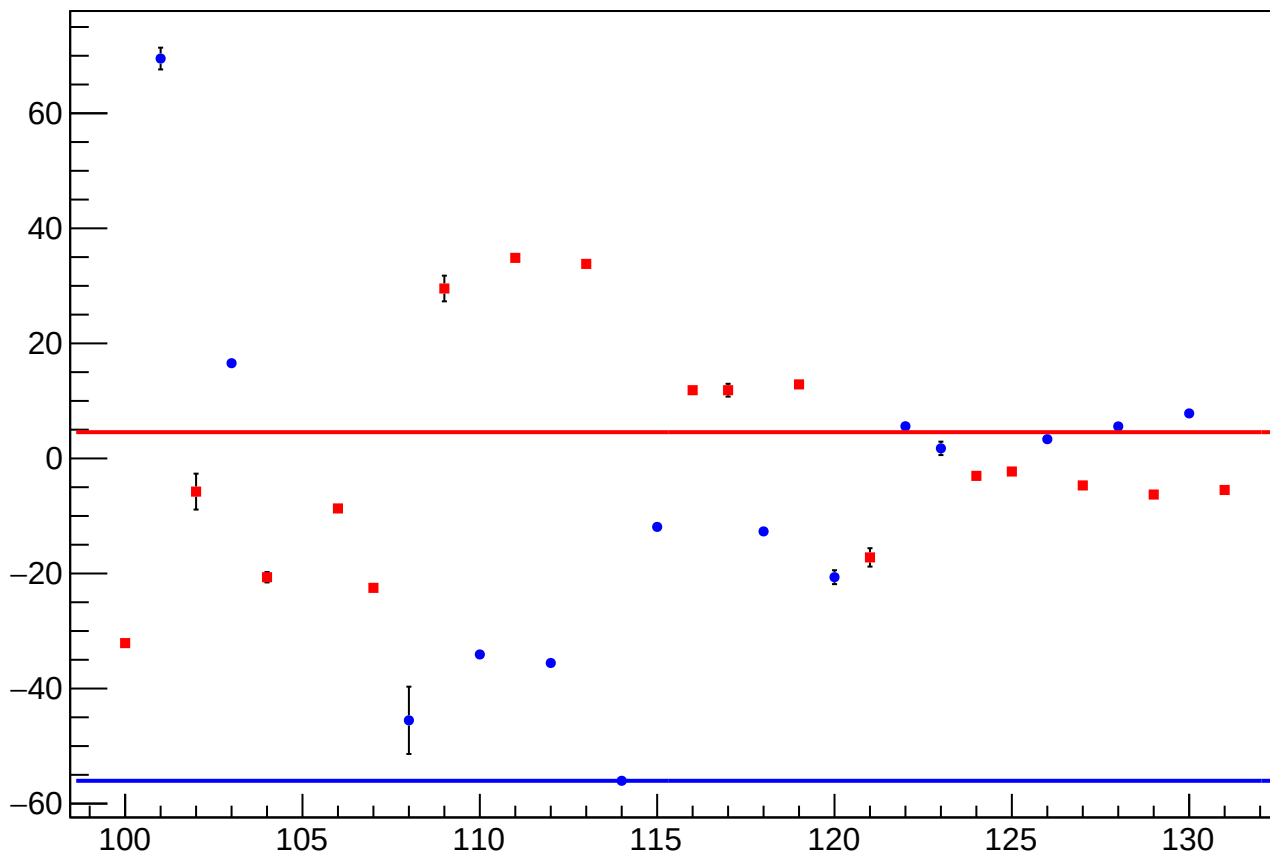
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-212.190+/-0.000  $\chi^2/\text{NDF}$ : 317094.8/13

62.249+/-0.000  $\chi^2/\text{NDF}$ : 3739212703286

188.033+/-0.000  $\chi^2/\text{NDF}$ : 288278.7/16

# dit\_atl2\_4aY\_slope vs Slug, Sign Corrected



Right In: -56.037 $\pm$ 0.000  $\chi^2$ /NDF: 1524752.0/13

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

Right Out: 4.566 $\pm$ 0.045  $\chi^2$ /NDF: 135245.5/16

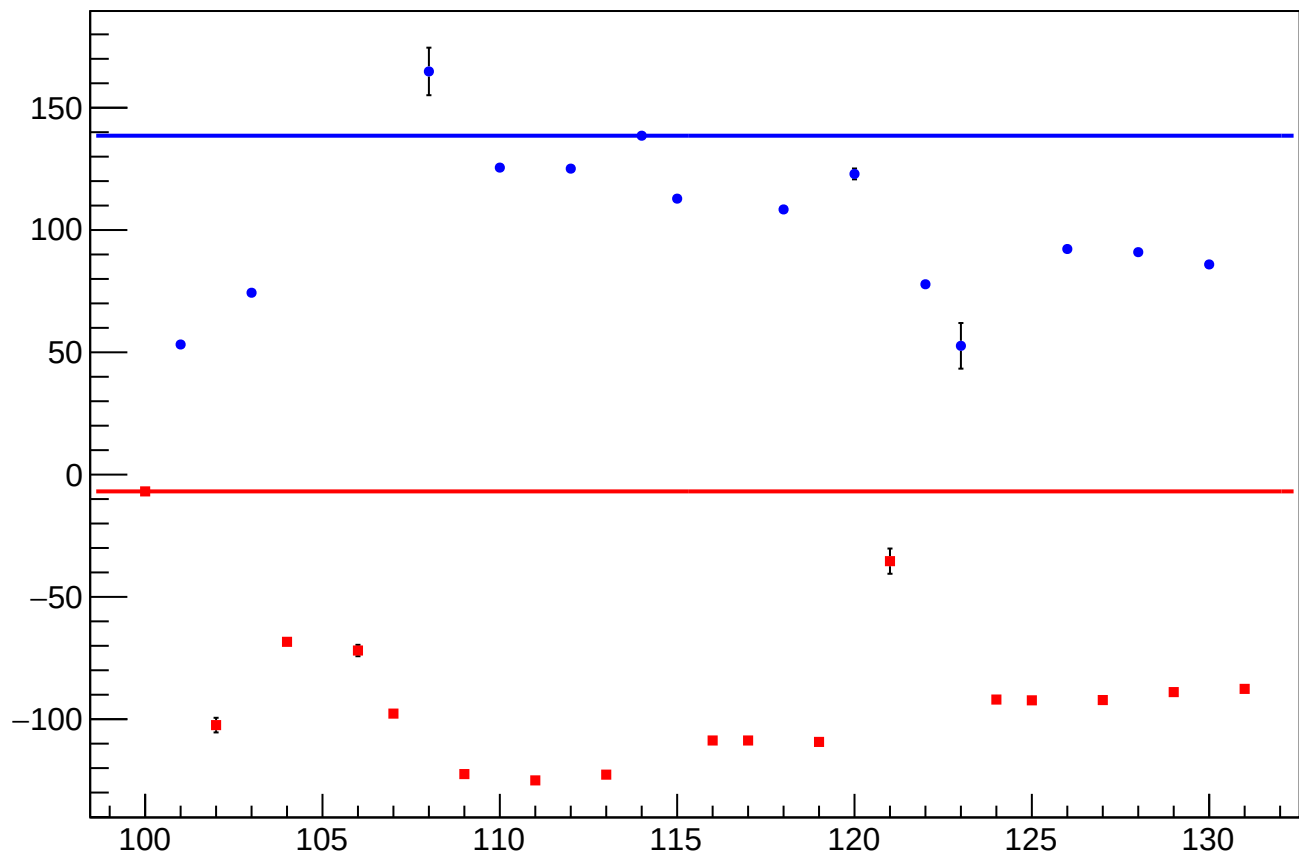
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-56.037 $\pm$ 0.000  $\chi^2$ /NDF: 1524752.0/13

-56.037 $\pm$ 0.000  $\chi^2$ /NDF: 3486364.7/30

4.566 $\pm$ 0.045  $\chi^2$ /NDF: 135245.5/16

# dit\_atl2\_4eY\_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000  $\chi^2$ /NDF: 811576.3/13

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

Right Out: -6.866 $\pm$ 0.000  $\chi^2$ /NDF: 6326682.3/16

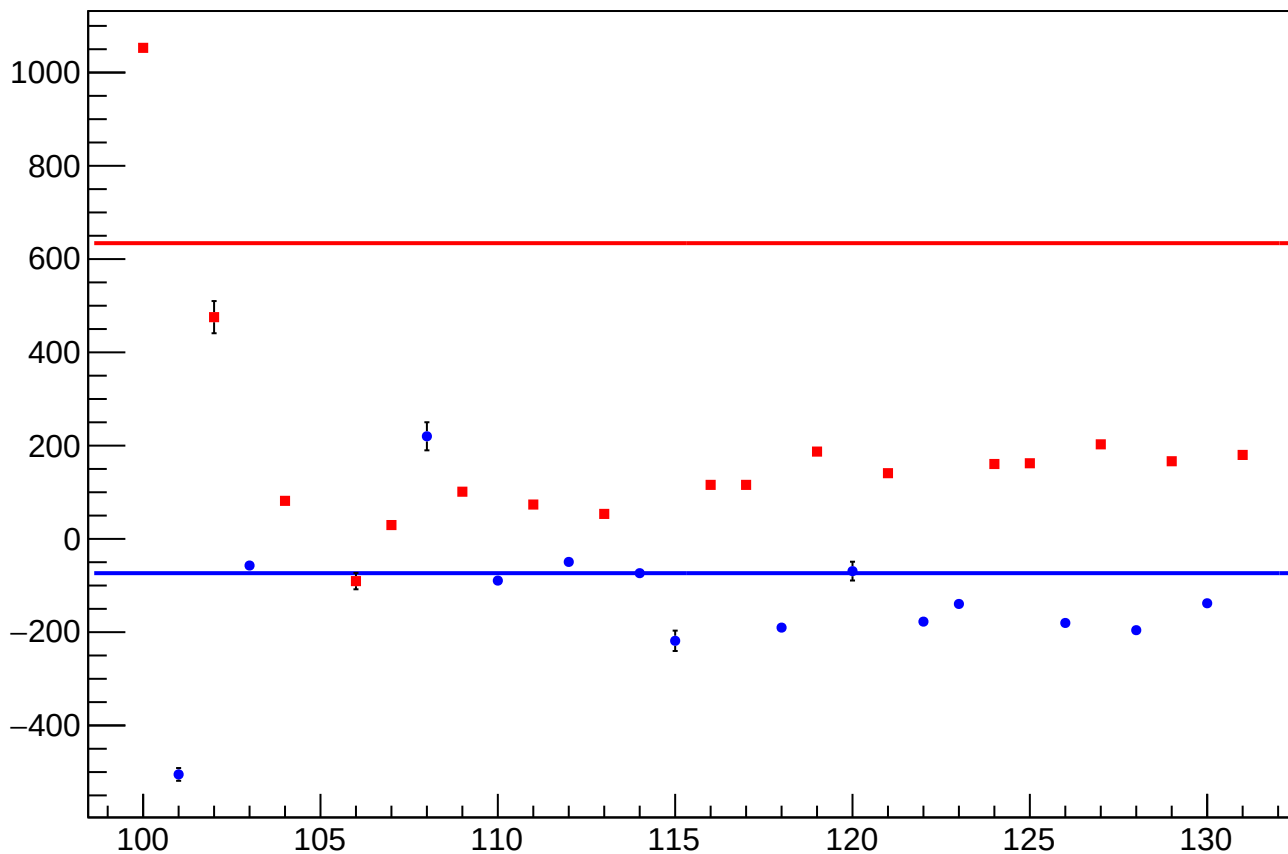
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

138.565 $\pm$ 0.000  $\chi^2$ /NDF: 811576.3/13

-6.606 $\pm$ 0.000  $\chi^2$ /NDF: 2874933987256

-6.866 $\pm$ 0.000  $\chi^2$ /NDF: 6326682.3/16

# dit\_atr1\_4aX\_slope vs Slug, Sign Corrected



Right In: -73.485+/-0.000  $\chi^2/\text{NDF}$ : 55237.7/13

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

Right Out: 634.118+/-0.281  $\chi^2/\text{NDF}$ : 2766532.4/16

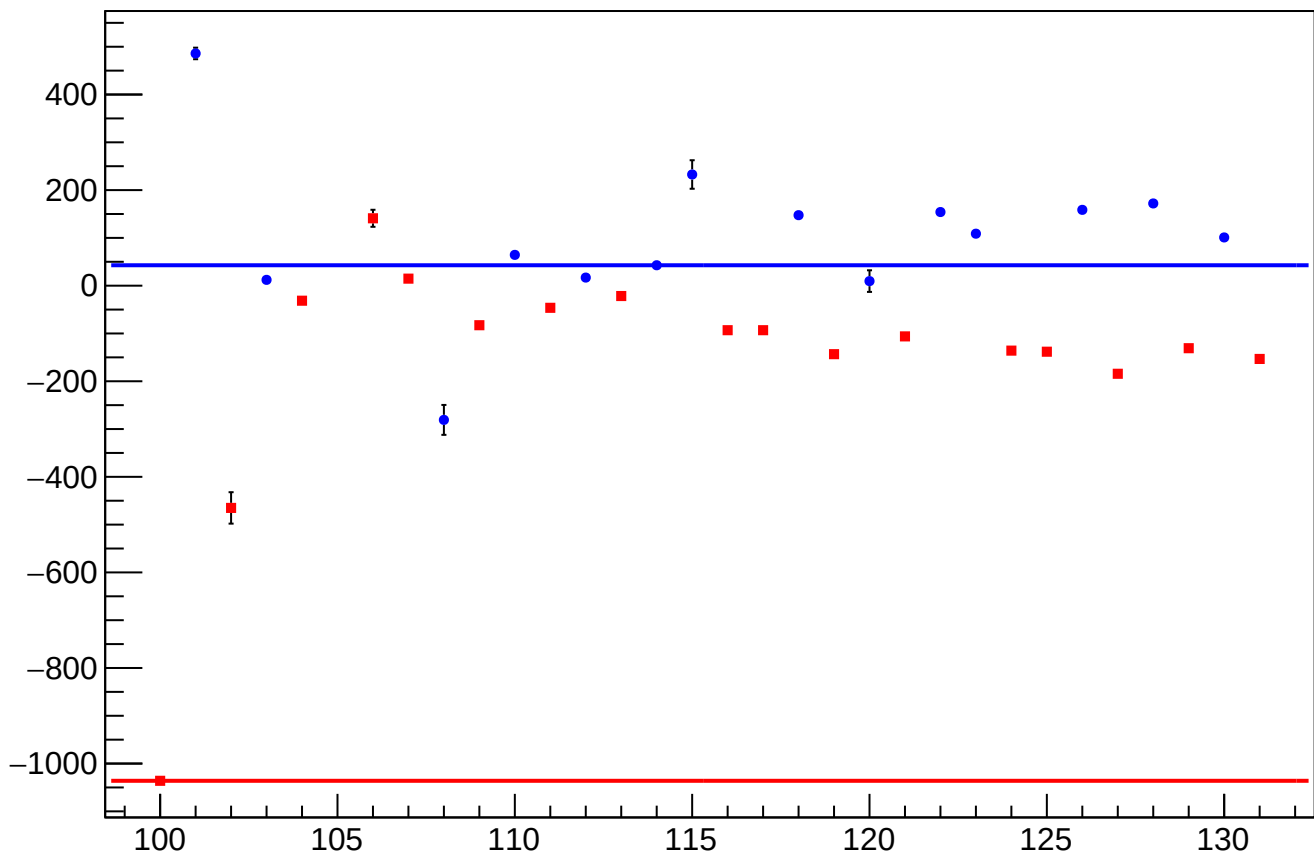
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-73.485+/-0.000  $\chi^2/\text{NDF}$ : 55237.7/13

-73.485+/-0.000  $\chi^2/\text{NDF}$ : 9157252.5/30

634.118+/-0.281  $\chi^2/\text{NDF}$ : 2766532.4/16

# dit\_atr1\_4eX\_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000  $\chi^2/\text{NDF}$ : 43830.6/13

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

Right Out: -1036.068+/-0.000  $\chi^2/\text{NDF}$ : 3992495.1/16

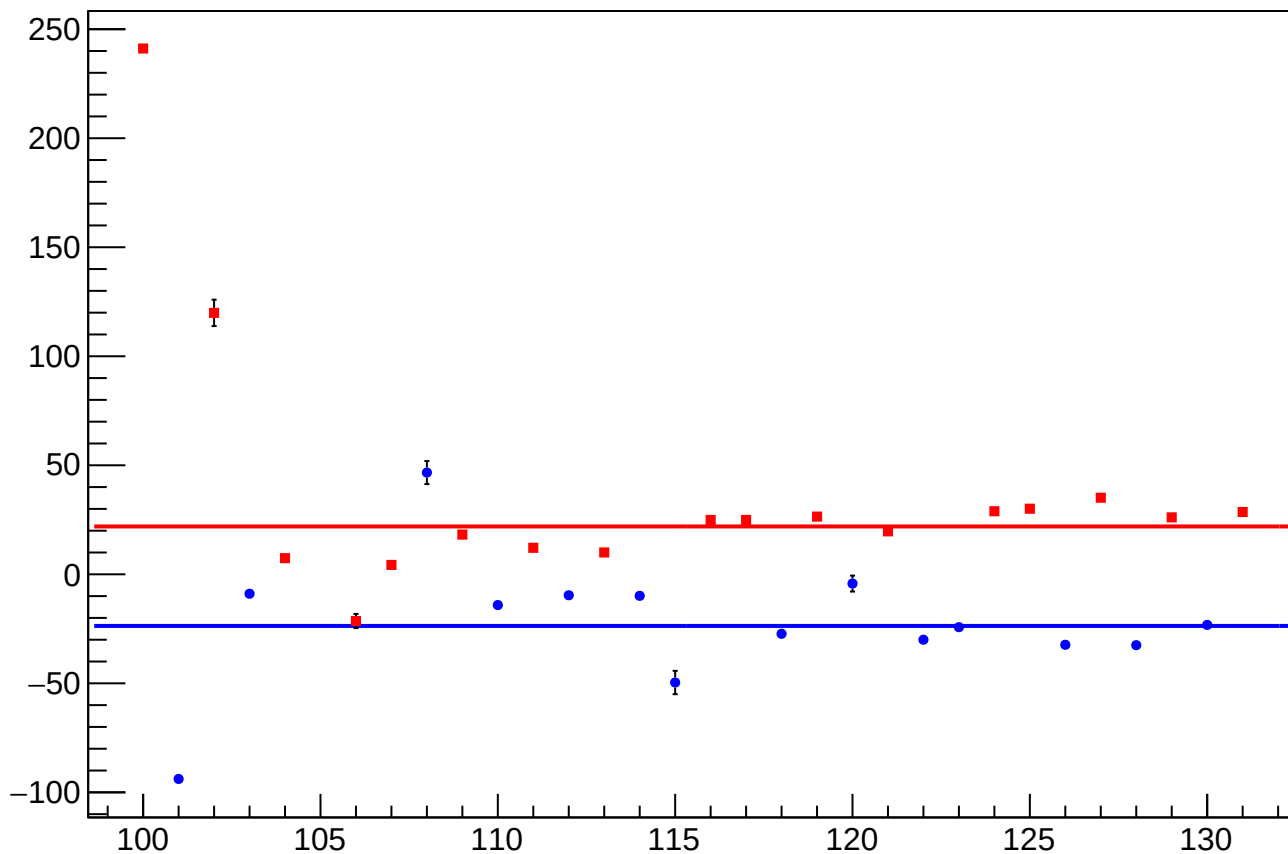
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

42.743+/-0.000  $\chi^2/\text{NDF}$ : 43830.6/13

42.169+/-0.000  $\chi^2/\text{NDF}$ : 1349990775639

-1036.068+/-0.000  $\chi^2/\text{NDF}$ : 3992495.1/16

# dit\_atr1\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-23.678 \pm 0.052$   $\chi^2/\text{NDF}$ : 29549.2/13

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

Right Out:  $21.948 \pm 0.039$   $\chi^2/\text{NDF}$ : 403895.2/16

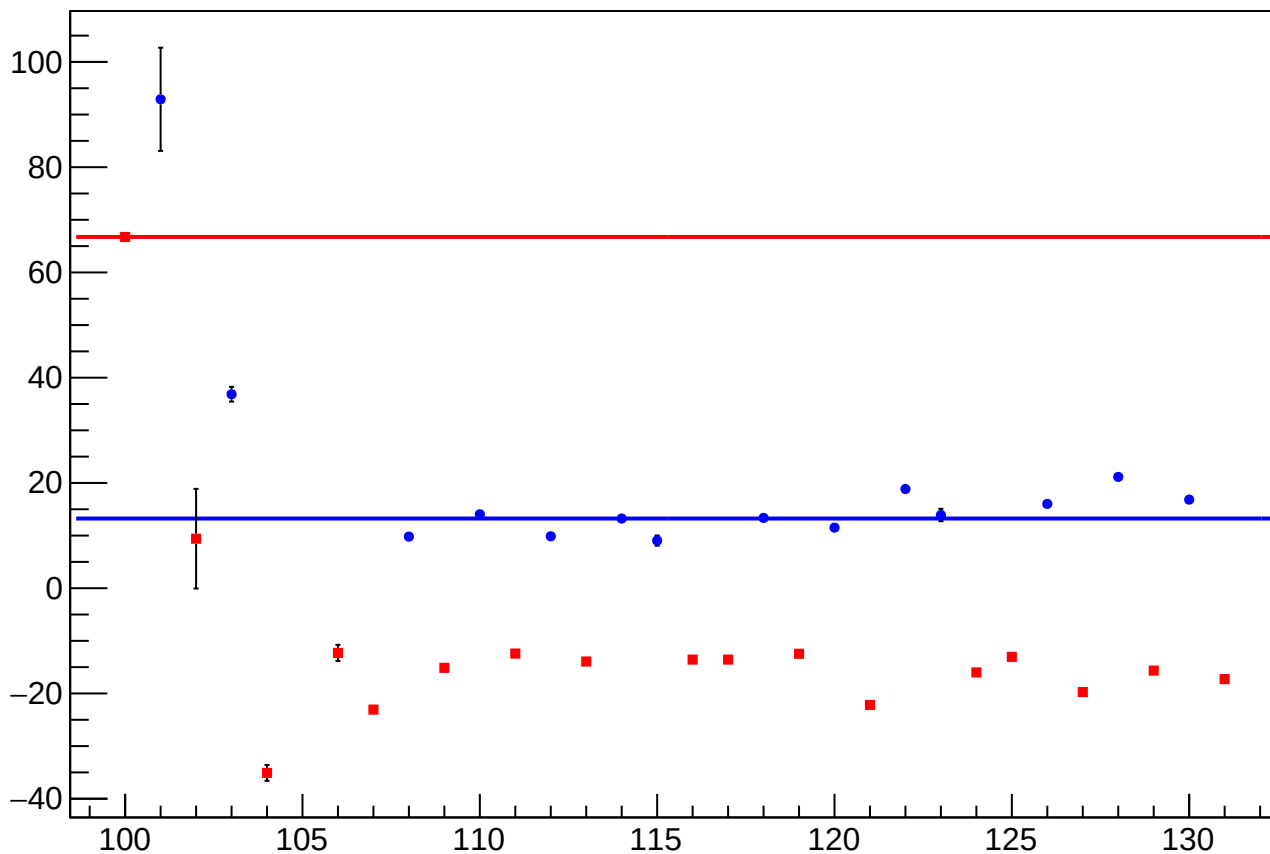
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-23.678 \pm 0.052$   $\chi^2/\text{NDF}$ : 29549.2/13

$5.224 \pm 0.031$   $\chi^2/\text{NDF}$ : 924316.0/30

$21.948 \pm 0.039$   $\chi^2/\text{NDF}$ : 403895.2/16

# dit\_atr1\_4aY\_slope vs Slug, Sign Corrected



Right In: 13.238+/-0.000  $\chi^2/\text{NDF}$ : 5390.7/13

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

Right Out: 66.739+/-0.000  $\chi^2/\text{NDF}$ : 1753219.7/16

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

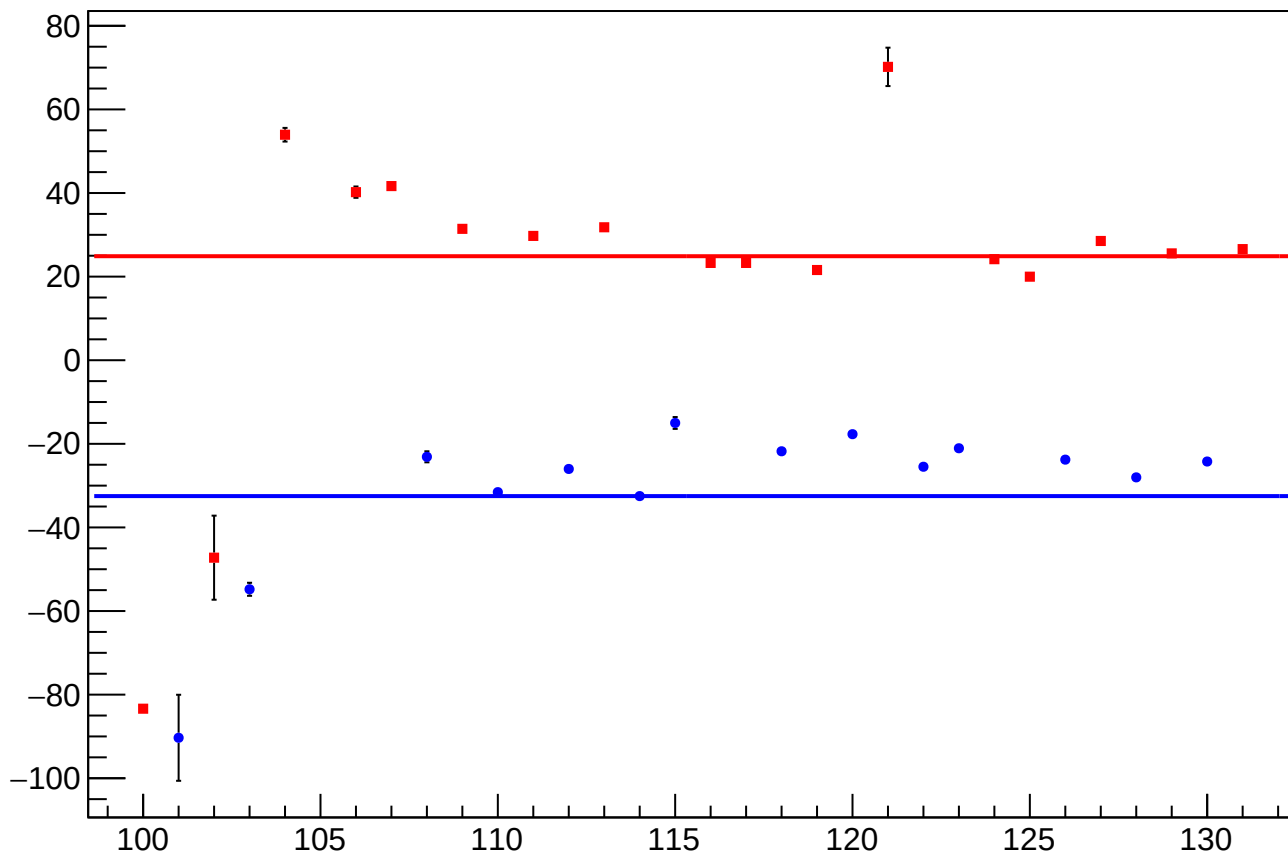
13.238+/-0.000  $\chi^2/\text{NDF}$ : 5390.7/13

13.690+/-0.000  $\chi^2/\text{NDF}$ : 8432486222043

66.739+/-0.000  $\chi^2/\text{NDF}$ : 1753219.7/16



# dit\_atr1\_4eY\_slope vs Slug, Sign Corrected



Right In: -32.504 $\pm$ 0.000  $\chi^2$ /NDF: 34759.8/13

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

Right Out: 24.883 $\pm$ 0.060  $\chi^2$ /NDF: 87392.3/16

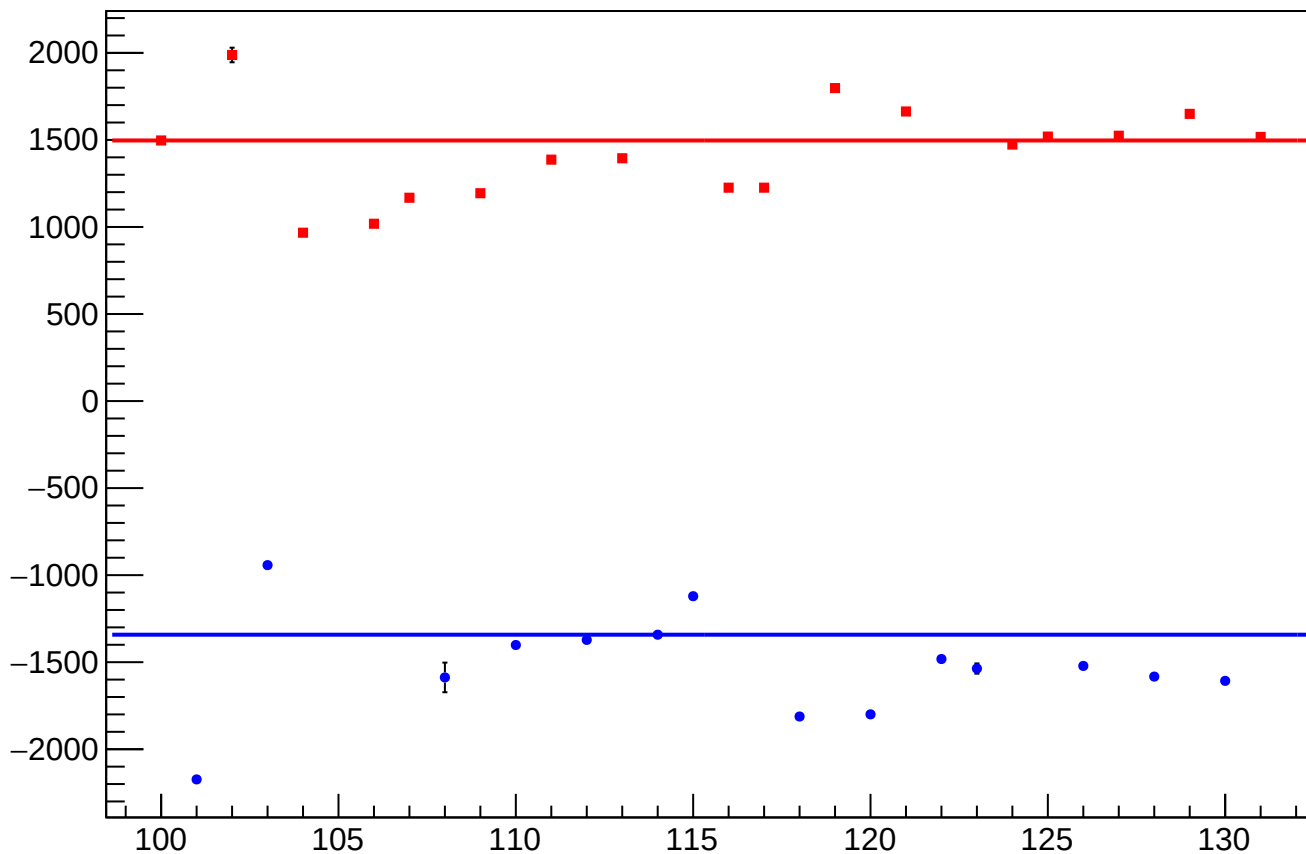
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-32.504 $\pm$ 0.000  $\chi^2$ /NDF: 34759.8/13

-32.504 $\pm$ 0.000  $\chi^2$ /NDF: 1044780.8/30

24.883 $\pm$ 0.060  $\chi^2$ /NDF: 87392.3/16

# dit\_atr2\_4aX\_slope vs Slug, Sign Corrected



Right In: -1342.107+/-0.000  $\chi^2/\text{NDF}$ : 140575.9/13

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

Right Out: 1496.932+/-0.000  $\chi^2/\text{NDF}$ : 170421.7/16

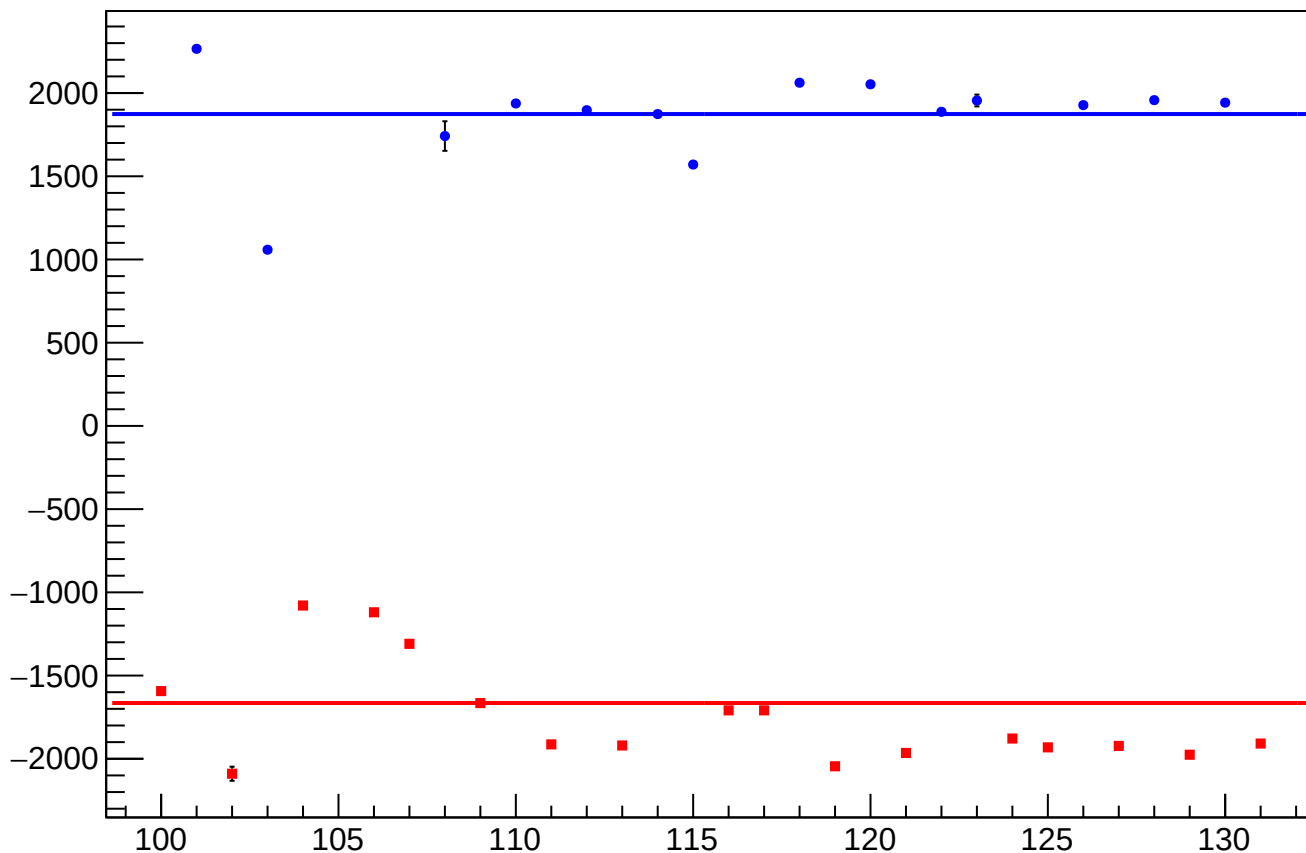
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1342.107+/-0.000  $\chi^2/\text{NDF}$ : 140575.9/13

-340.094+/-0.000  $\chi^2/\text{NDF}$ : 60528151856

1496.932+/-0.000  $\chi^2/\text{NDF}$ : 170421.7/16

# dit\_atr2\_4eX\_slope vs Slug, Sign Corrected



Right In: 1873.852 $\pm$ 0.000  $\chi^2$ /NDF: 65963.6/13

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

Right Out: -1664.921 $\pm$ 0.311  $\chi^2$ /NDF: 379590.5/16

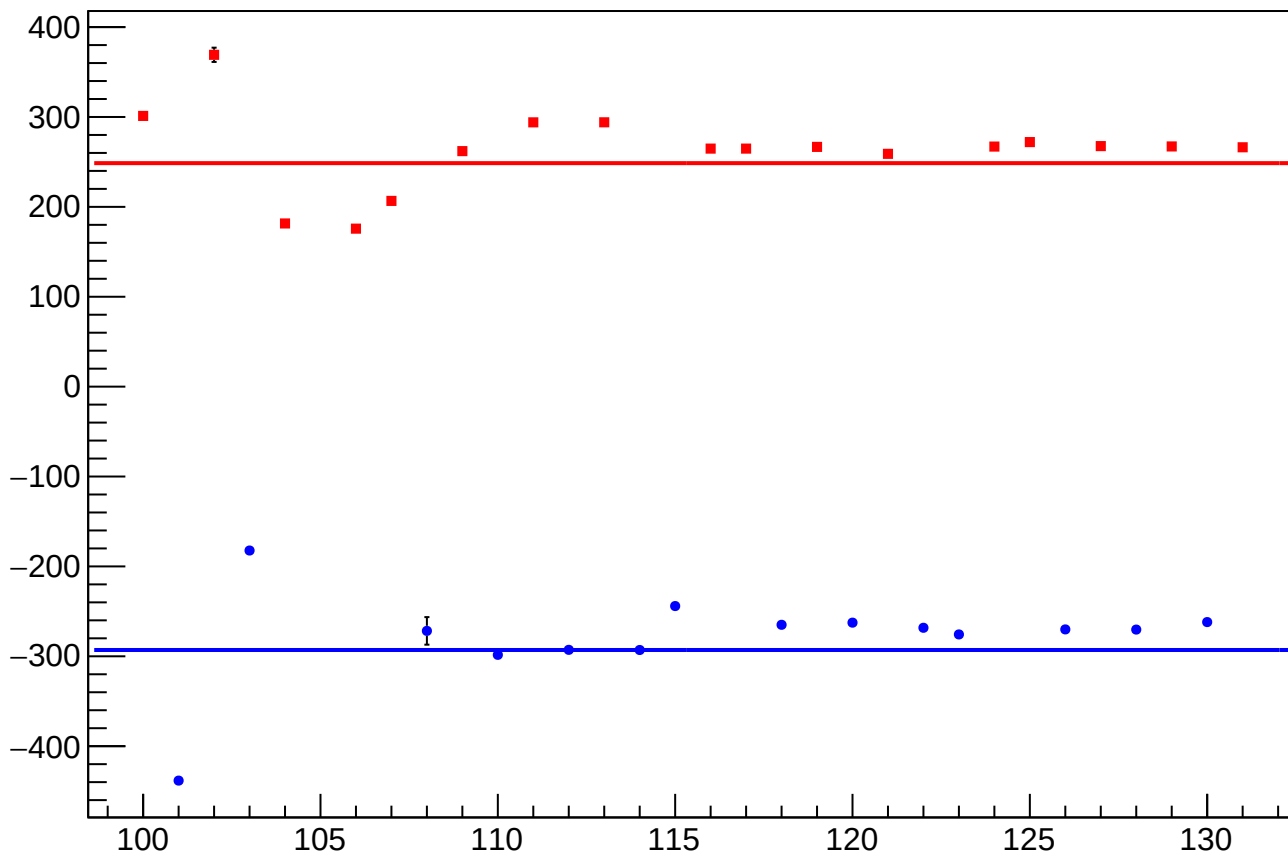
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1873.852 $\pm$ 0.000  $\chi^2$ /NDF: 65963.6/13

1873.852 $\pm$ 0.000  $\chi^2$ /NDF: 130297832.0/13

-1664.921 $\pm$ 0.311  $\chi^2$ /NDF: 379590.5/16

# dit\_atr2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -292.986+/-0.000  $\chi^2/\text{NDF}$ : 607205.5/13

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

Right Out: 248.642+/-0.064  $\chi^2/\text{NDF}$ : 391232.9/16

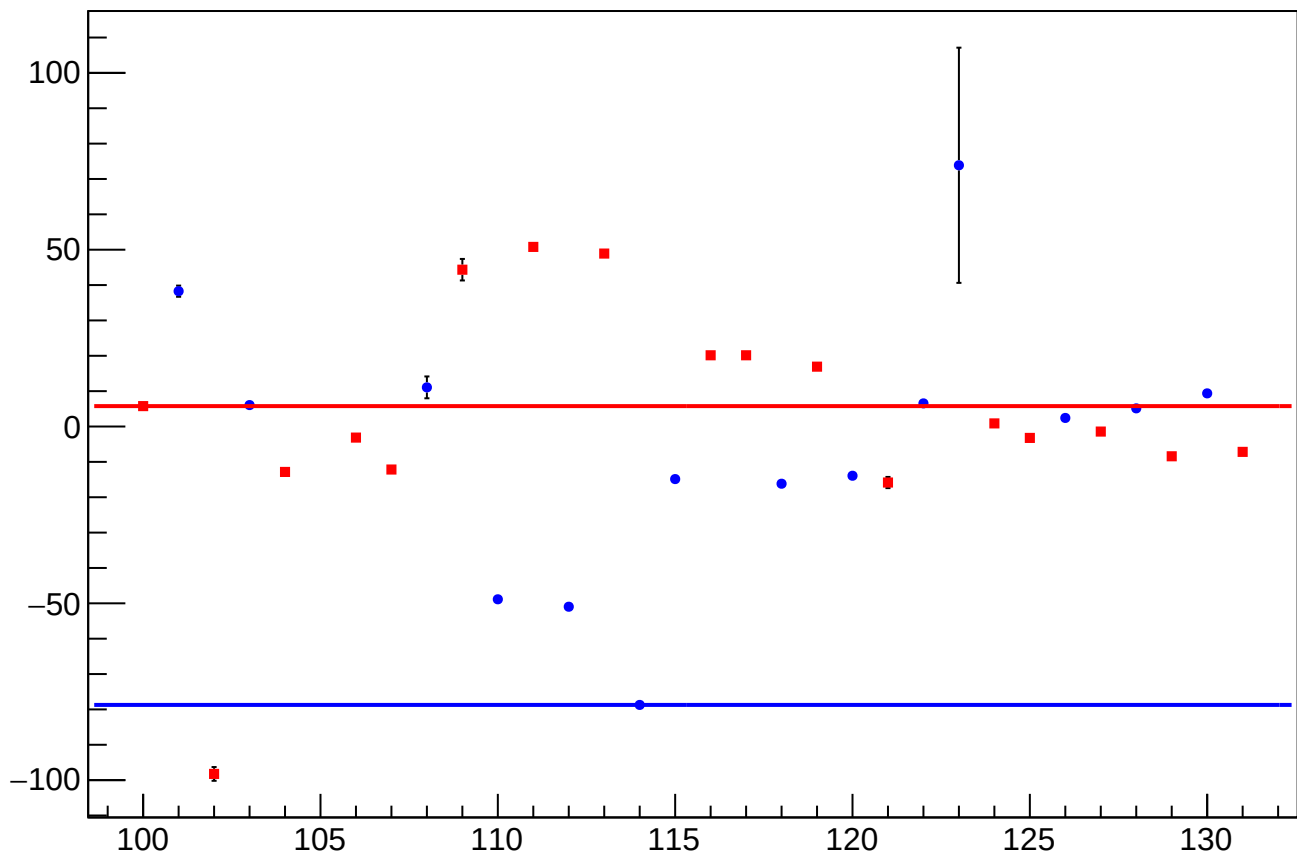
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-292.986+/-0.000  $\chi^2/\text{NDF}$ : 607205.5/13

-292.986+/-0.000  $\chi^2/\text{NDF}$ : 73199266.3/30

248.642+/-0.064  $\chi^2/\text{NDF}$ : 391232.9/16

# dit\_atr2\_4aY\_slope vs Slug, Sign Corrected



Right In: -78.728+/-0.000  $\chi^2/\text{NDF}$ : 1156619.1/13

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

Right Out: 5.769+/-0.000  $\chi^2/\text{NDF}$ : 58556.6/16

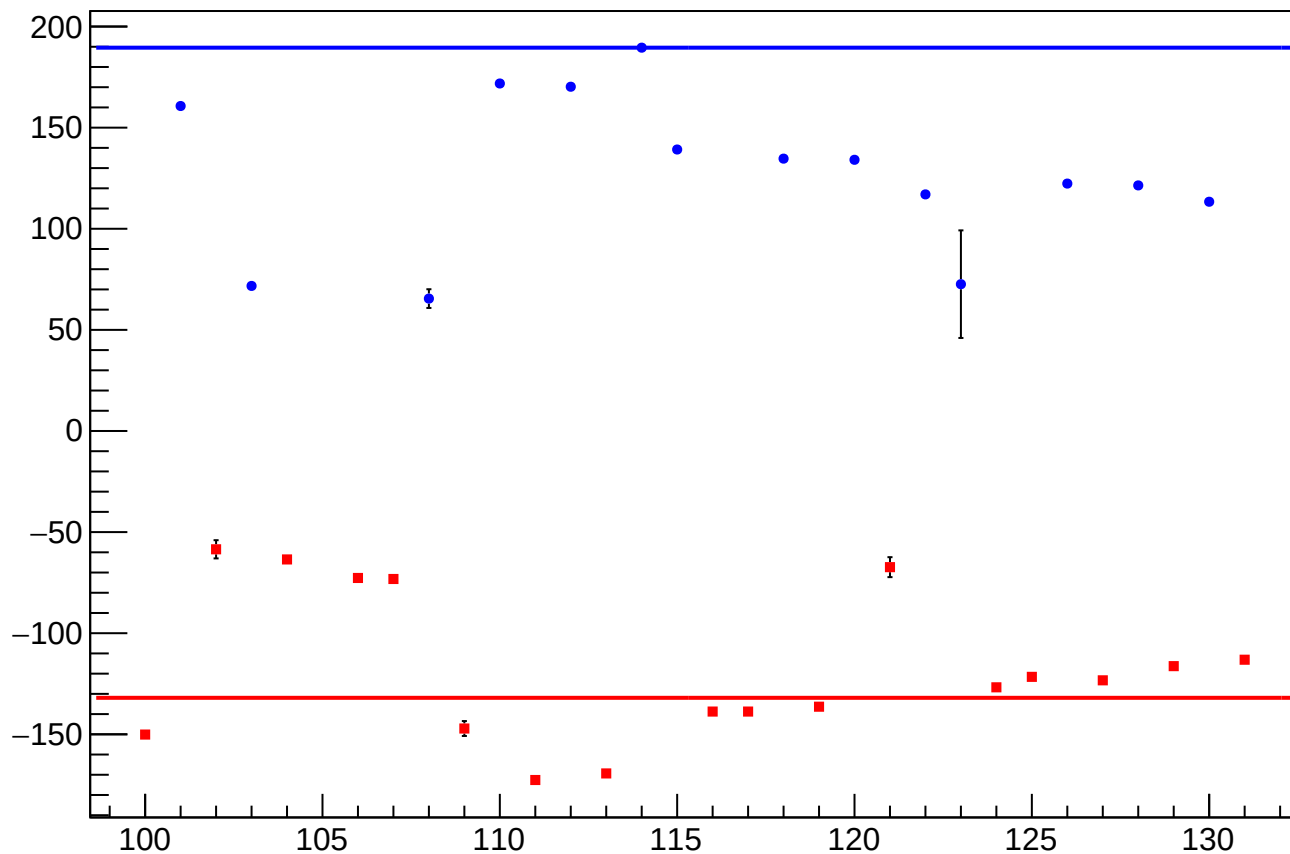
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-78.728+/-0.000  $\chi^2/\text{NDF}$ : 1156619.1/13

5.169+/-0.000  $\chi^2/\text{NDF}$ : 38614083696031

5.769+/-0.000  $\chi^2/\text{NDF}$ : 58556.6/16

# dit\_atr2\_4eY\_slope vs Slug, Sign Corrected



Right In: 189.551 $\pm$ 0.000  $\chi^2$ /NDF: 728015.7/13

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

Right Out: -131.948 $\pm$ 0.077  $\chi^2$ /NDF: 65378.2/16

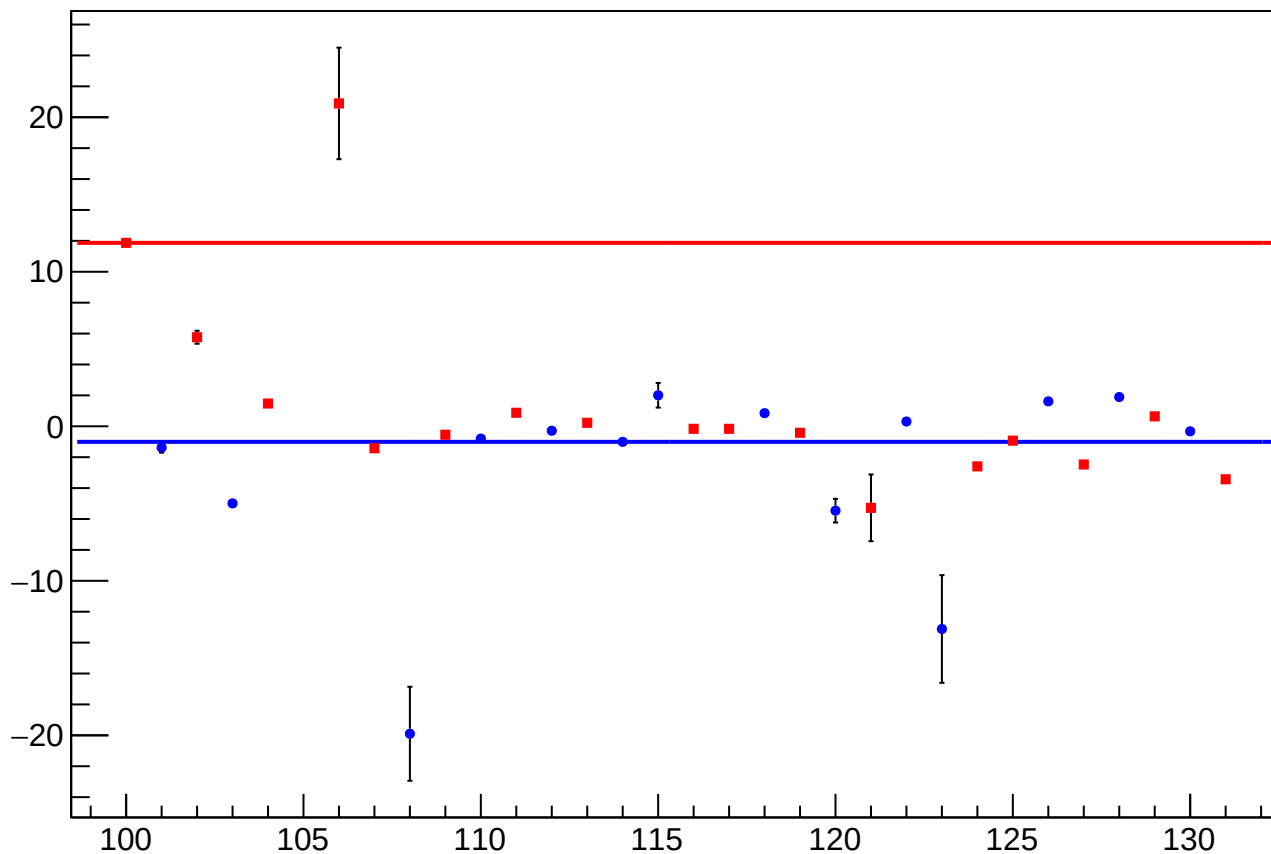
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

189.551 $\pm$ 0.000  $\chi^2$ /NDF: 728015.7/13

189.551 $\pm$ 0.000  $\chi^2$ /NDF: 18332342.0/30

-131.948 $\pm$ 0.077  $\chi^2$ /NDF: 65378.2/16

# dit\_sam1\_4aX\_slope vs Slug, Sign Corrected



Right In: -1.007+/-0.000  $\chi^2/\text{NDF}$ : 3293.3/13

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

Right Out: 11.872+/-0.000  $\chi^2/\text{NDF}$ : 527475.8/16

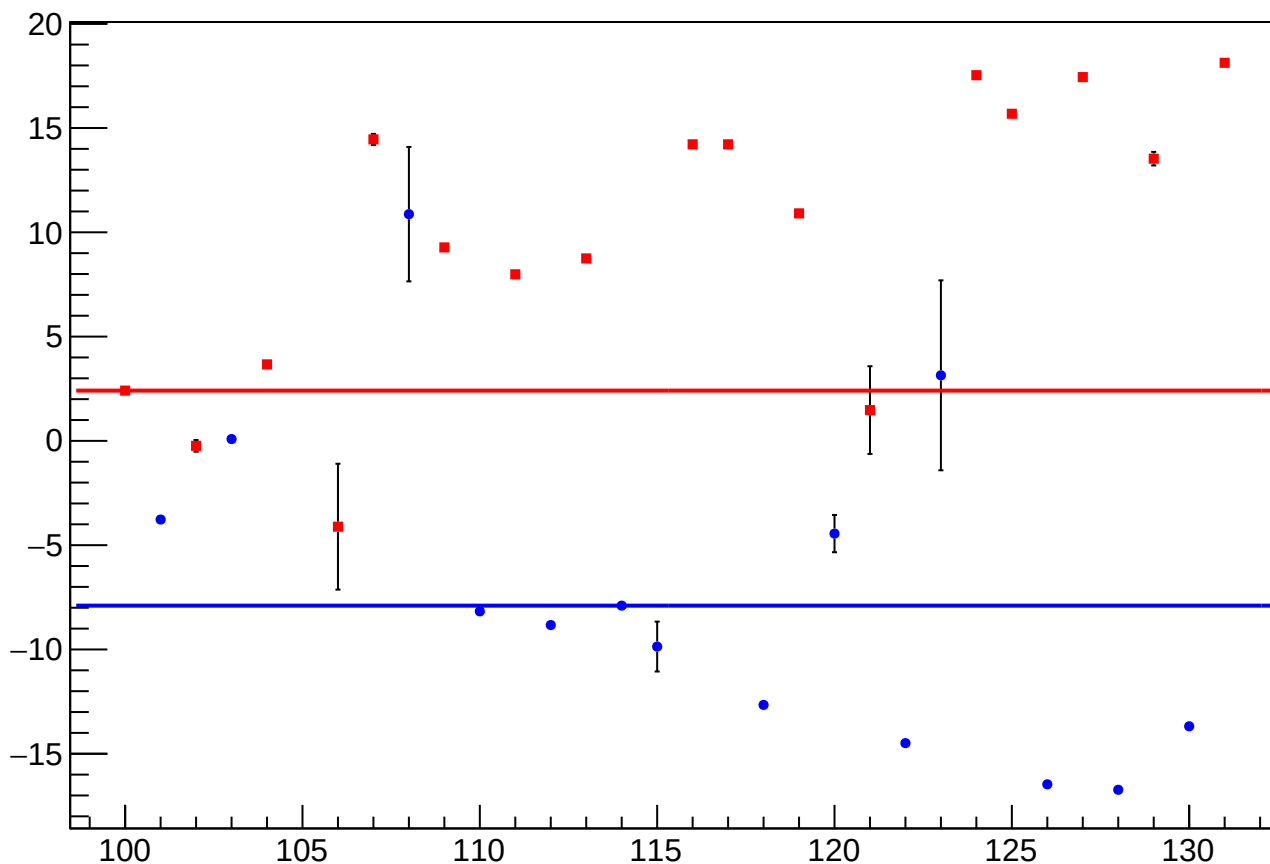
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.007+/-0.000  $\chi^2/\text{NDF}$ : 3293.3/13

-0.582+/-0.000  $\chi^2/\text{NDF}$ : 3049946074780

11.872+/-0.000  $\chi^2/\text{NDF}$ : 527475.8/16

# dit\_sam1\_4eX\_slope vs Slug, Sign Corrected



Right In: -7.899+/-0.000  $\chi^2/\text{NDF}$ : 25693.5/13

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

Right Out: 2.410+/-0.000  $\chi^2/\text{NDF}$ : 197494.5/16

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

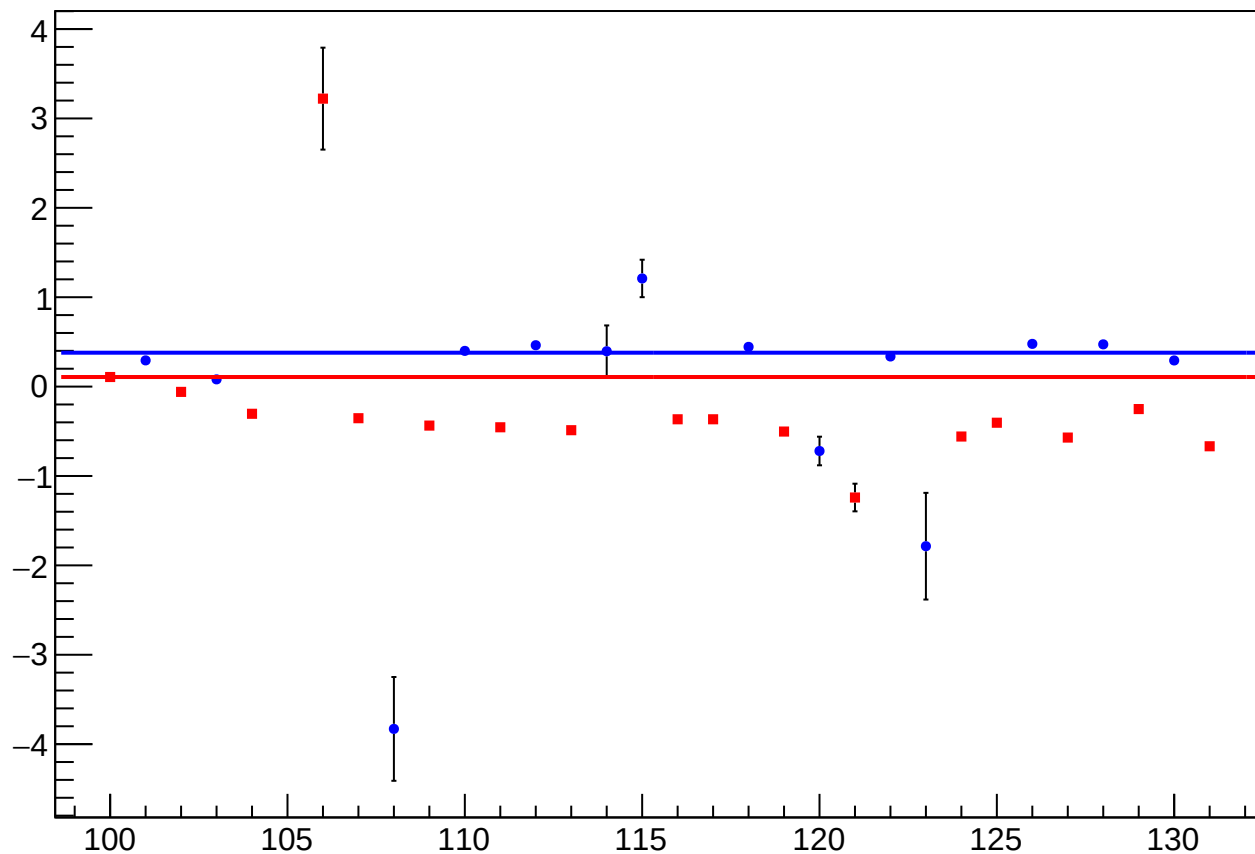
-7.899+/-0.000  $\chi^2/\text{NDF}$ : 25693.5/13

-0.829+/-0.000  $\chi^2/\text{NDF}$ : 1016173479523

2.410+/-0.000  $\chi^2/\text{NDF}$ : 197494.5/16



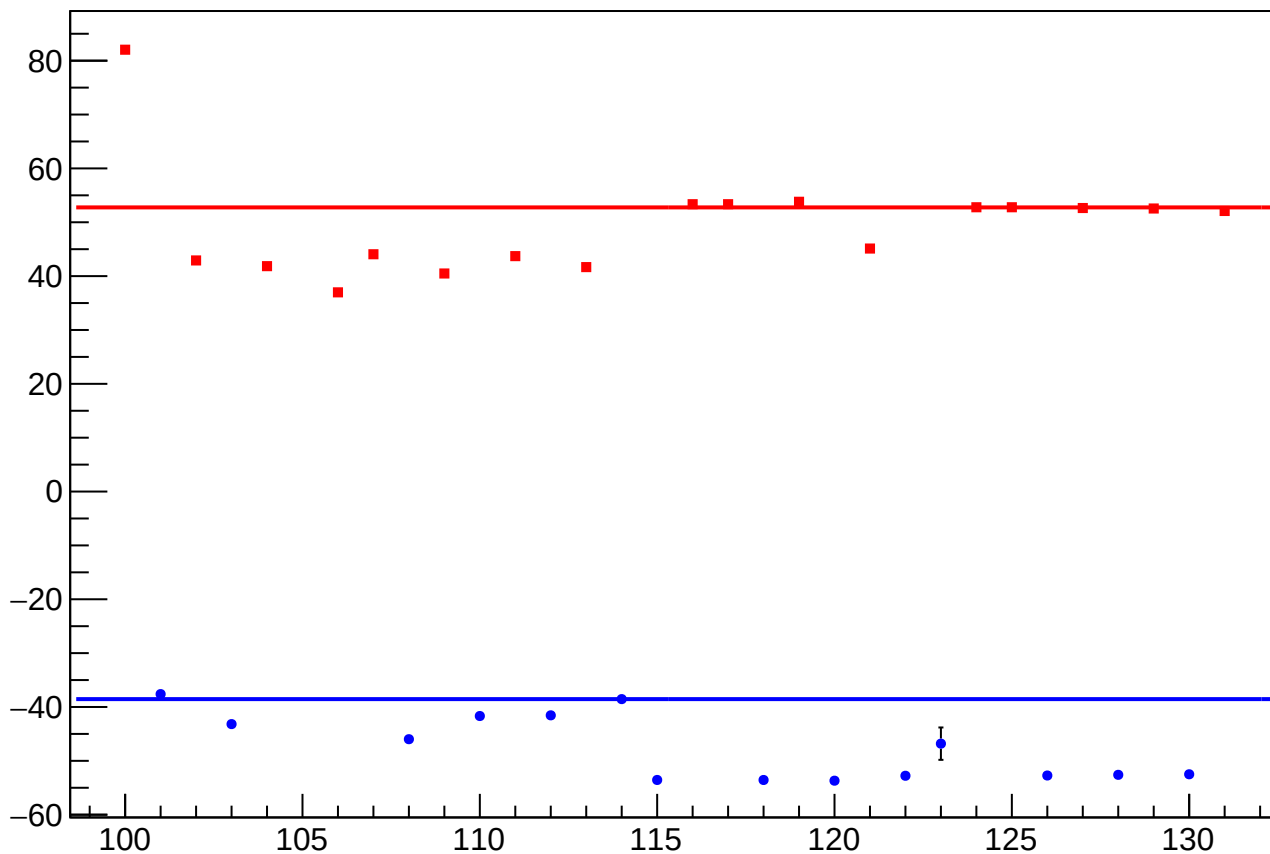
# dit\_sam1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.379+/-0.003  $\chi^2/\text{NDF}$ : 1864.7/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.107+/-0.000  $\chi^2/\text{NDF}$ : 64758.4/16  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.379+/-0.003  $\chi^2/\text{NDF}$ : 1864.7/13  
0.107+/-0.000  $\chi^2/\text{NDF}$ : 74200.1/30  
0.107+/-0.000  $\chi^2/\text{NDF}$ : 64758.4/16

# dit\_sam1\_4aY\_slope vs Slug, Sign Corrected



Right In: -38.539+/-0.000  $\chi^2/\text{NDF}$ : 11178153.2/13

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

Right Out: 52.759+/-0.002  $\chi^2/\text{NDF}$ : 82562.3/16

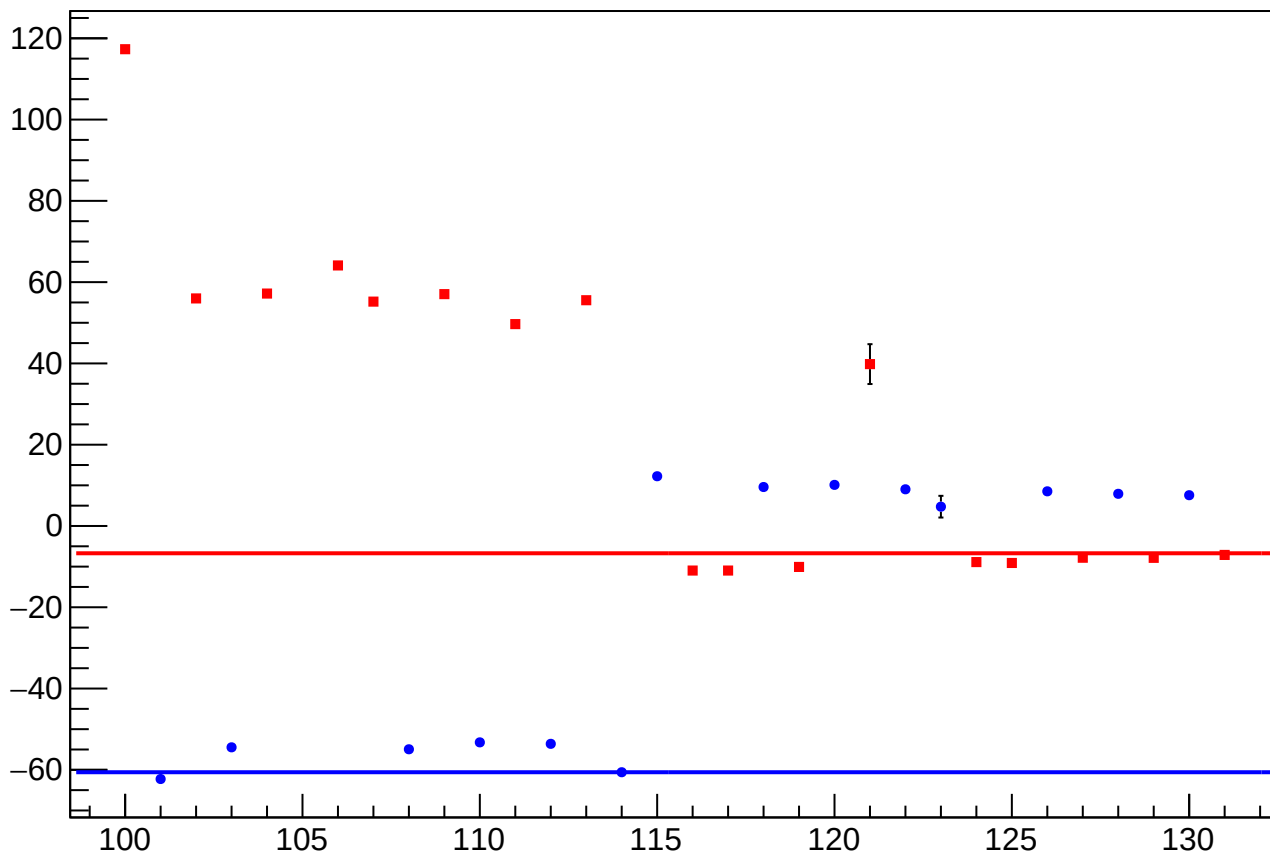
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-38.539+/-0.000  $\chi^2/\text{NDF}$ : 11178153.2/13

-38.539+/-0.000  $\chi^2/\text{NDF}$ : 2304706433.6/13

52.759+/-0.002  $\chi^2/\text{NDF}$ : 82562.3/16

# dit\_sam1\_4eY\_slope vs Slug, Sign Corrected



Right In: -60.594 $\pm$ 0.000  $\chi^2$ /NDF: 16921522.4/13

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

Right Out: -6.716 $\pm$ 0.012  $\chi^2$ /NDF: 1265928.0/16

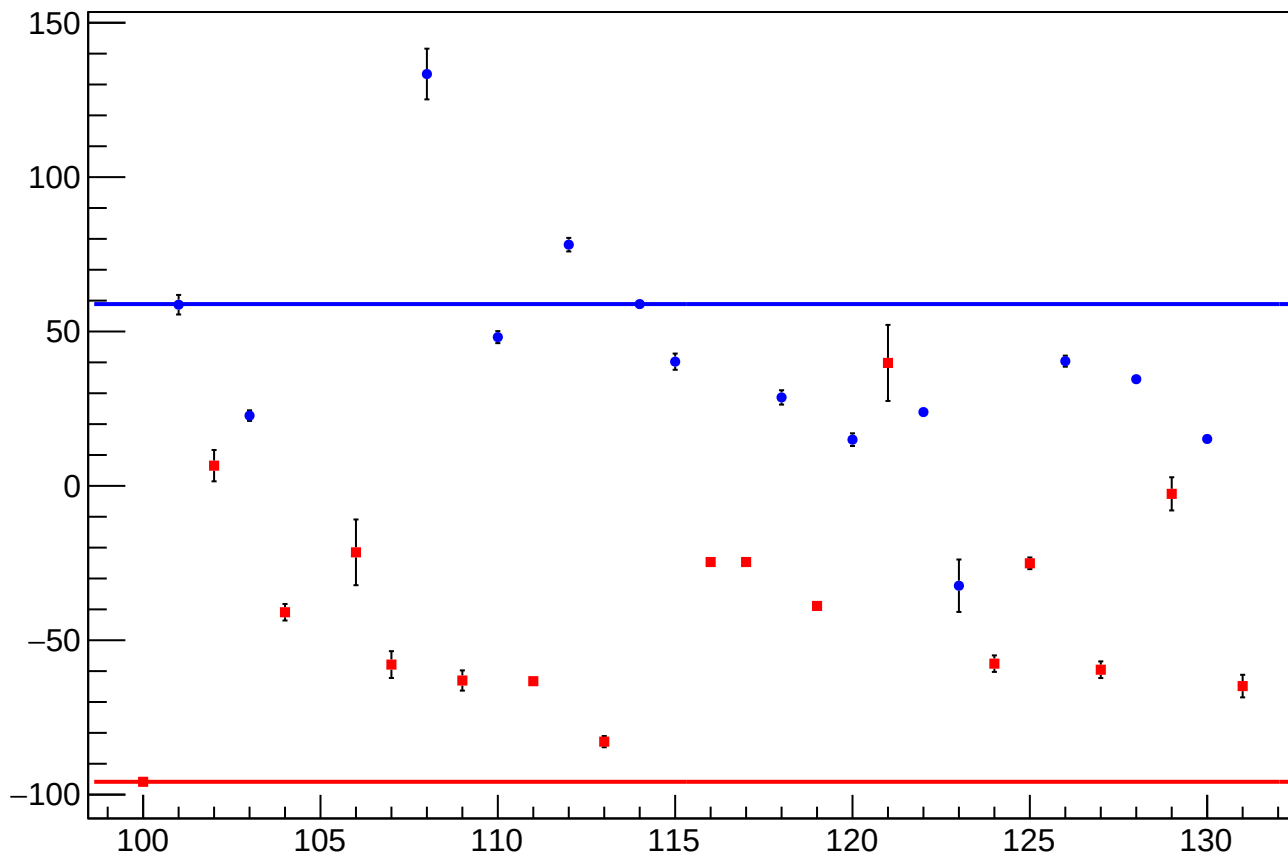
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-60.594 $\pm$ 0.000  $\chi^2$ /NDF: 16921522.4/13

-60.594 $\pm$ 0.000  $\chi^2$ /NDF: 39344264.0/30

-6.716 $\pm$ 0.012  $\chi^2$ /NDF: 1265928.0/16

# dit\_sam2\_4aX\_slope vs Slug, Sign Corrected



Right In: 58.880+/-0.000  $\chi^2$ /NDF: 3762.6/13

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

Right Out: -95.846+/-0.000  $\chi^2$ /NDF: 44483.9/16

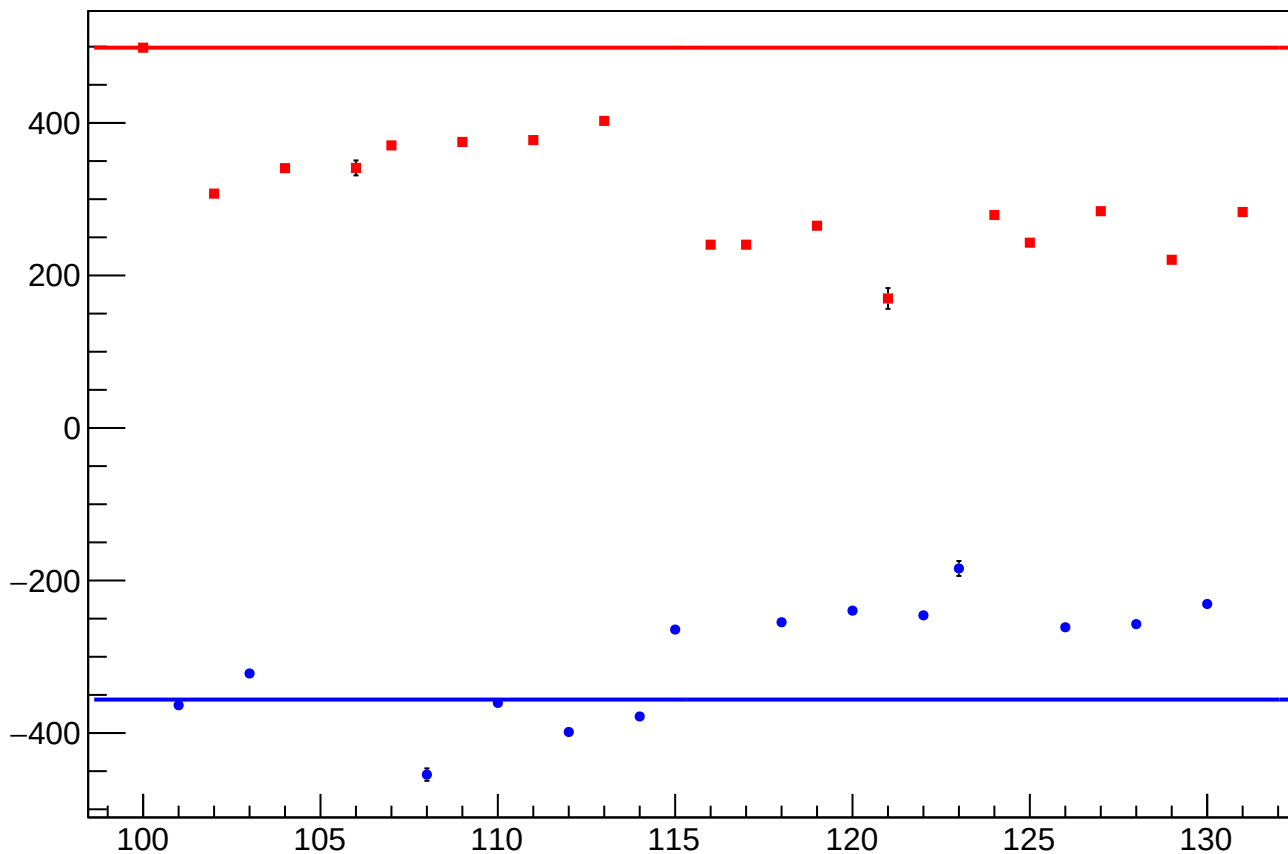
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

58.880+/-0.000  $\chi^2$ /NDF: 3762.6/13

53.779+/-0.000  $\chi^2$ /NDF: 1719559071103

-95.846+/-0.000  $\chi^2$ /NDF: 44483.9/16

# dit\_sam2\_4eX\_slope vs Slug, Sign Corrected



Right In: -356.120+/-0.254  $\chi^2$ /NDF: 35338.2/13

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

Right Out: 498.692+/-0.000  $\chi^2$ /NDF: 523282.3/16

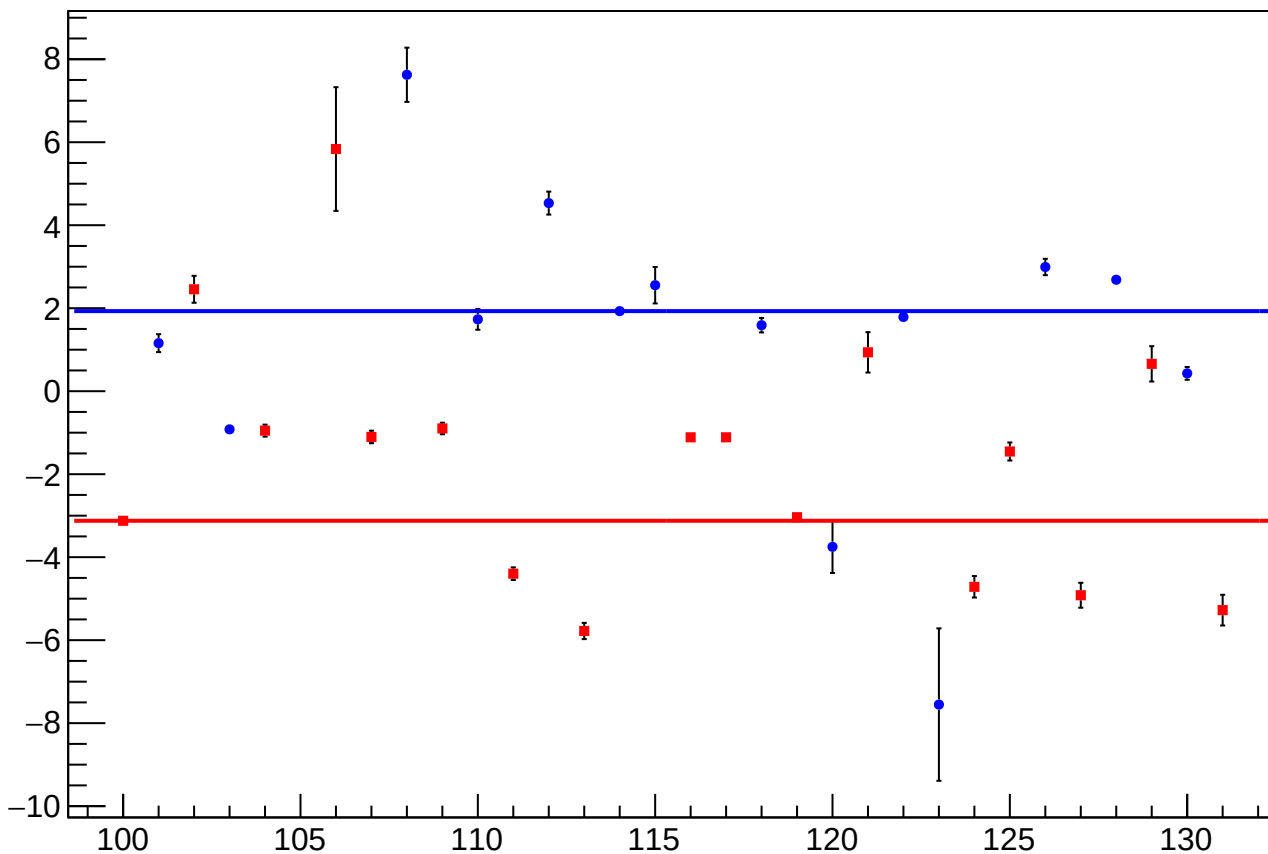
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-356.120+/-0.254  $\chi^2$ /NDF: 35338.2/13

498.692+/-0.000  $\chi^2$ /NDF: 11883846.9/30

498.692+/-0.000  $\chi^2$ /NDF: 523282.3/16

dit\_sam2\_11X12X\_slope vs Slug, Sign Corrected



Right In: 1.930+/-0.000  $\chi^2/\text{NDF}$ : 1355.4/13

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

Right Out: -3.123+/-0.000  $\chi^2/\text{NDF}$ : 12319.4/16

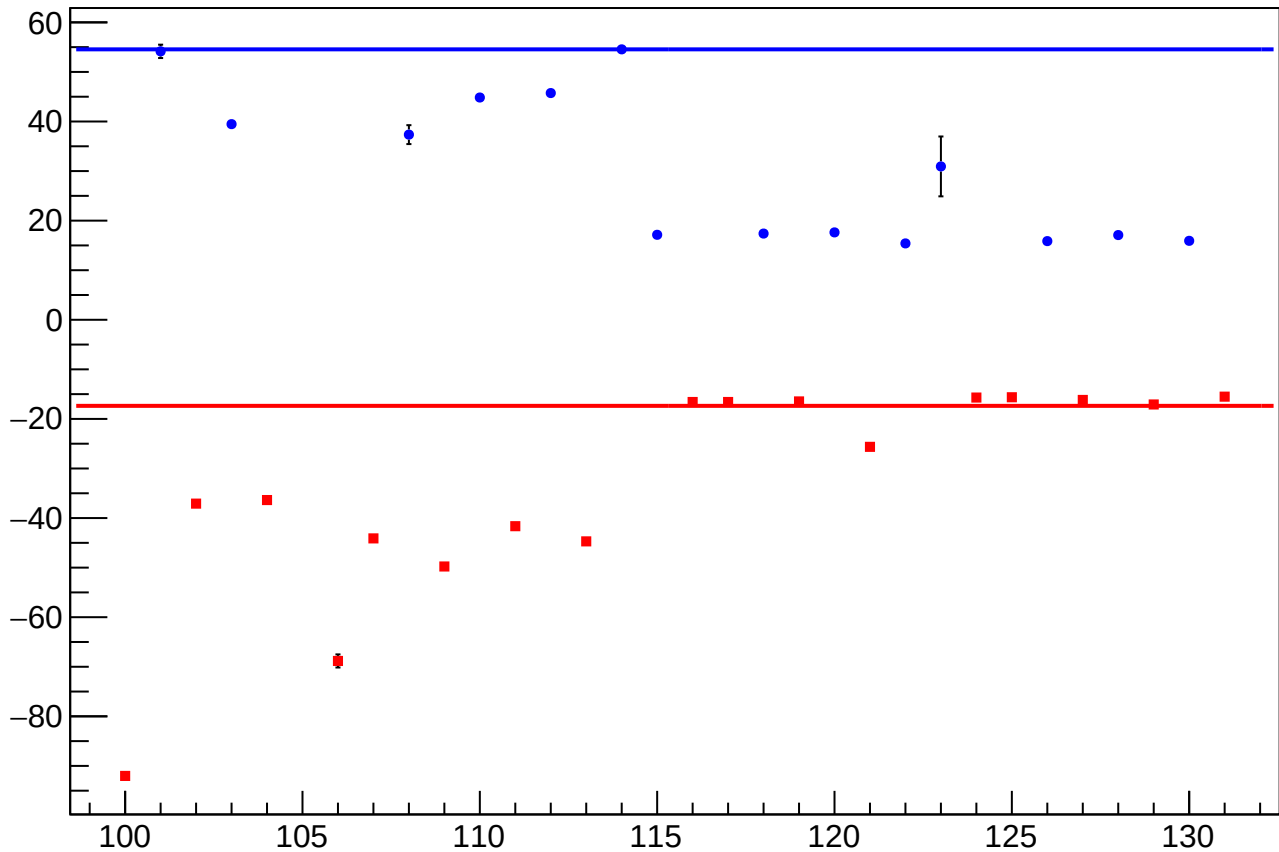
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.930+/-0.000  $\chi^2/\text{NDF}$ : 1355.4/13

1.324+/-0.000  $\chi^2/\text{NDF}$ : 68349069016618

-3.123+/-0.000  $\chi^2/\text{NDF}$ : 12319.4/16

# dit\_sam2\_4aY\_slope vs Slug, Sign Corrected



Right In: 54.556 $\pm$ 0.000  $\chi^2$ /NDF: 2570960.3/13

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

Right Out: -17.363 $\pm$ 0.020  $\chi^2$ /NDF: 99097.4/16

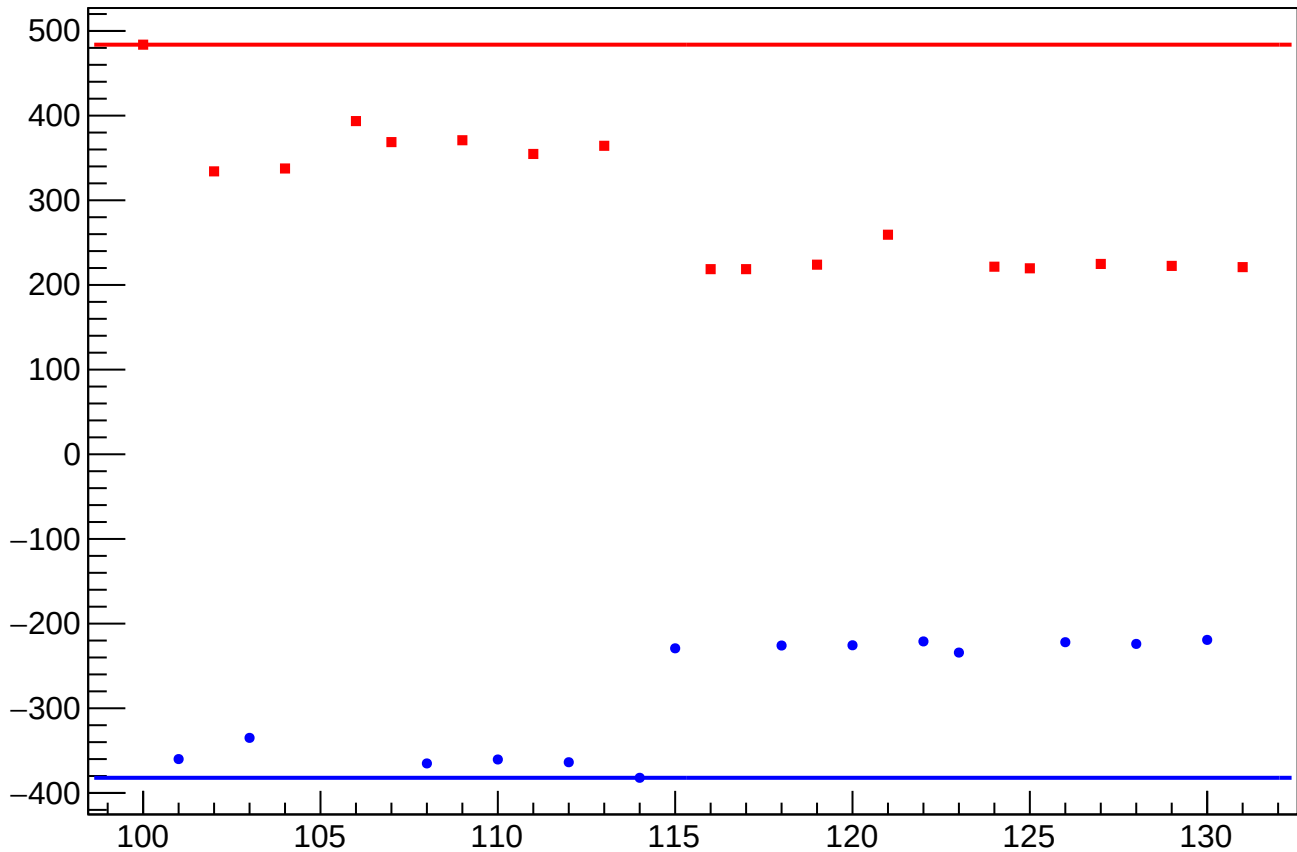
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

54.556 $\pm$ 0.000  $\chi^2$ /NDF: 2570960.3/13

54.556 $\pm$ 0.000  $\chi^2$ /NDF: 15404932.1/30

-17.363 $\pm$ 0.020  $\chi^2$ /NDF: 99097.4/16

# dit\_sam2\_4eY\_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000  $\chi^2/\text{NDF}$ : 13574640.1/13

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

Right Out: 483.800+/-0.000  $\chi^2/\text{NDF}$ : 19526577.9/16

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

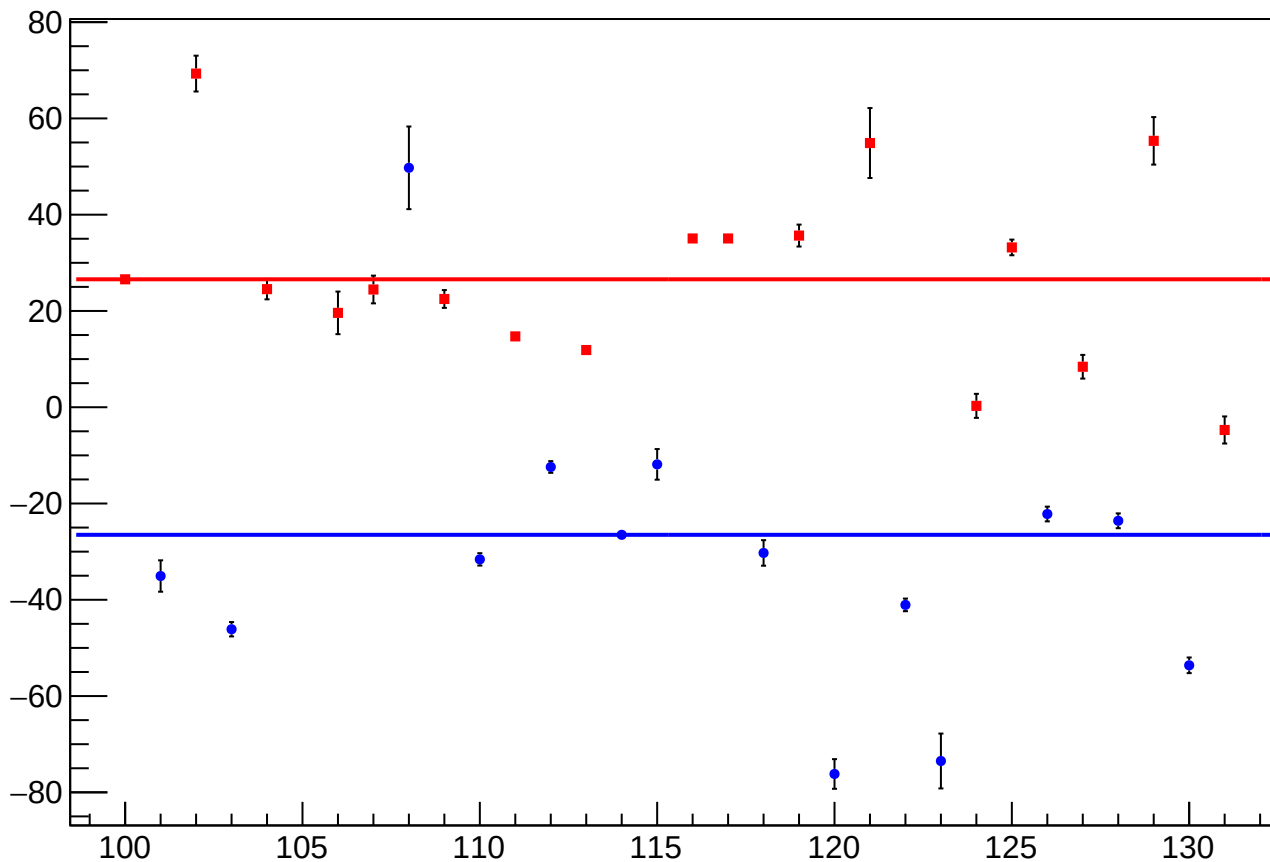
-382.108+/-0.000  $\chi^2/\text{NDF}$ : 13574640.1/13

-76.493+/-0.000  $\chi^2/\text{NDF}$ : 9009029155790

483.800+/-0.000  $\chi^2/\text{NDF}$ : 19526577.9/16



# dit\_sam3\_4aX\_slope vs Slug, Sign Corrected



Right In: -26.504+/-0.000  $\chi^2/\text{NDF}$ : 1173.0/13

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

Right Out: 26.577+/-0.000  $\chi^2/\text{NDF}$ : 2015.6/16

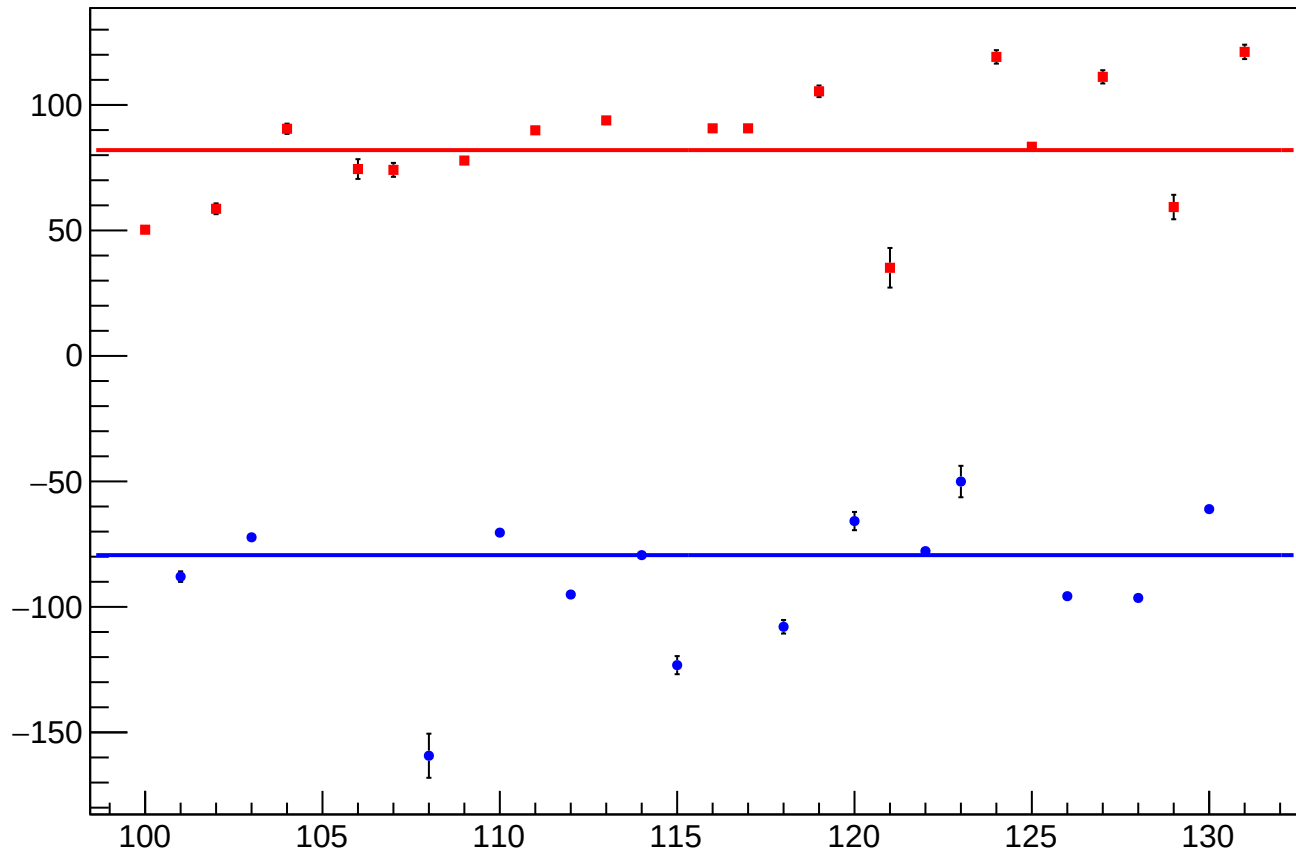
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-26.504+/-0.000  $\chi^2/\text{NDF}$ : 1173.0/13

-7.770+/-0.000  $\chi^2/\text{NDF}$ : 2166718322463

26.577+/-0.000  $\chi^2/\text{NDF}$ : 2015.6/16

# dit\_sam3\_4eX\_slope vs Slug, Sign Corrected



Right In: -79.376+/-0.000  $\chi^2/\text{NDF}$ : 931.6/13

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

Right Out: 82.010+/-0.174  $\chi^2/\text{NDF}$ : 9716.4/16

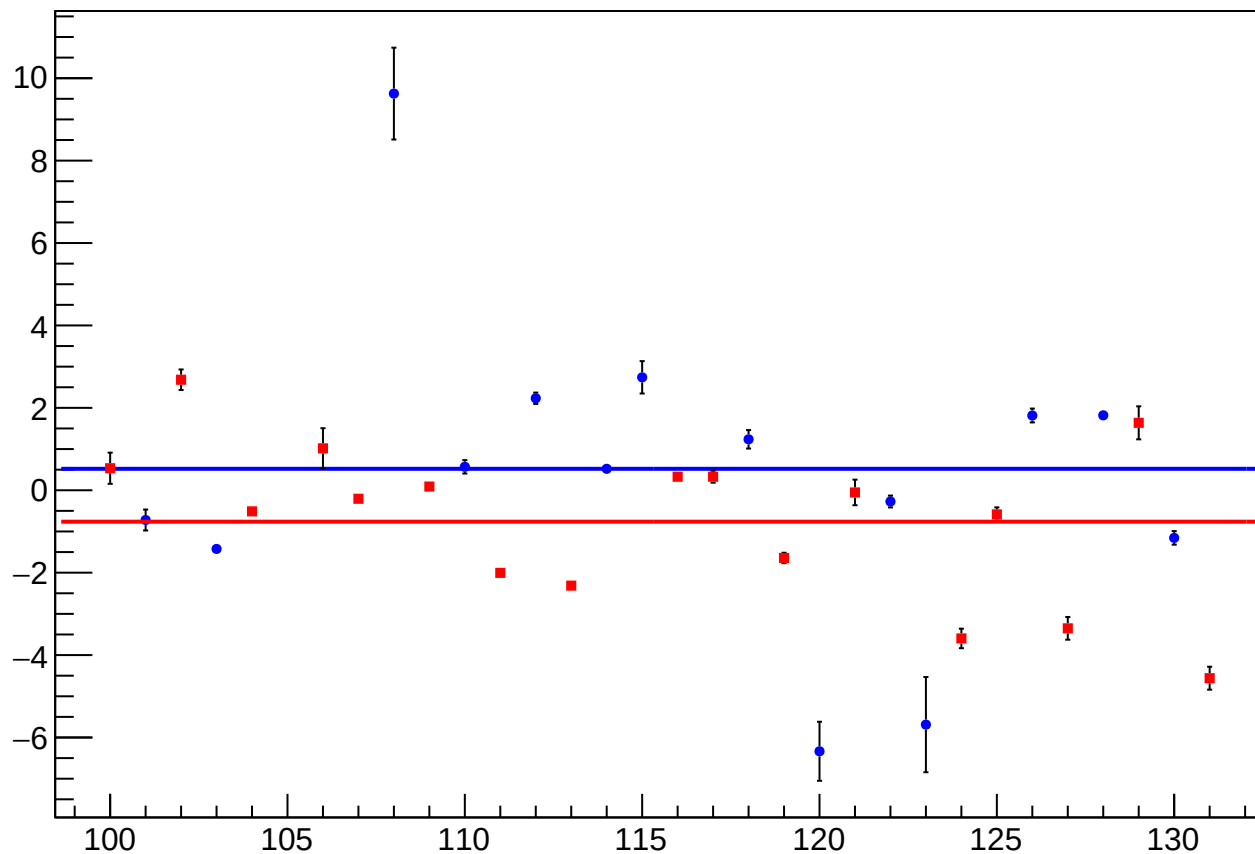
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-79.376+/-0.000  $\chi^2/\text{NDF}$ : 931.6/13

-79.376+/-0.000  $\chi^2/\text{NDF}$ : 866043.6/30

82.010+/-0.174  $\chi^2/\text{NDF}$ : 9716.4/16

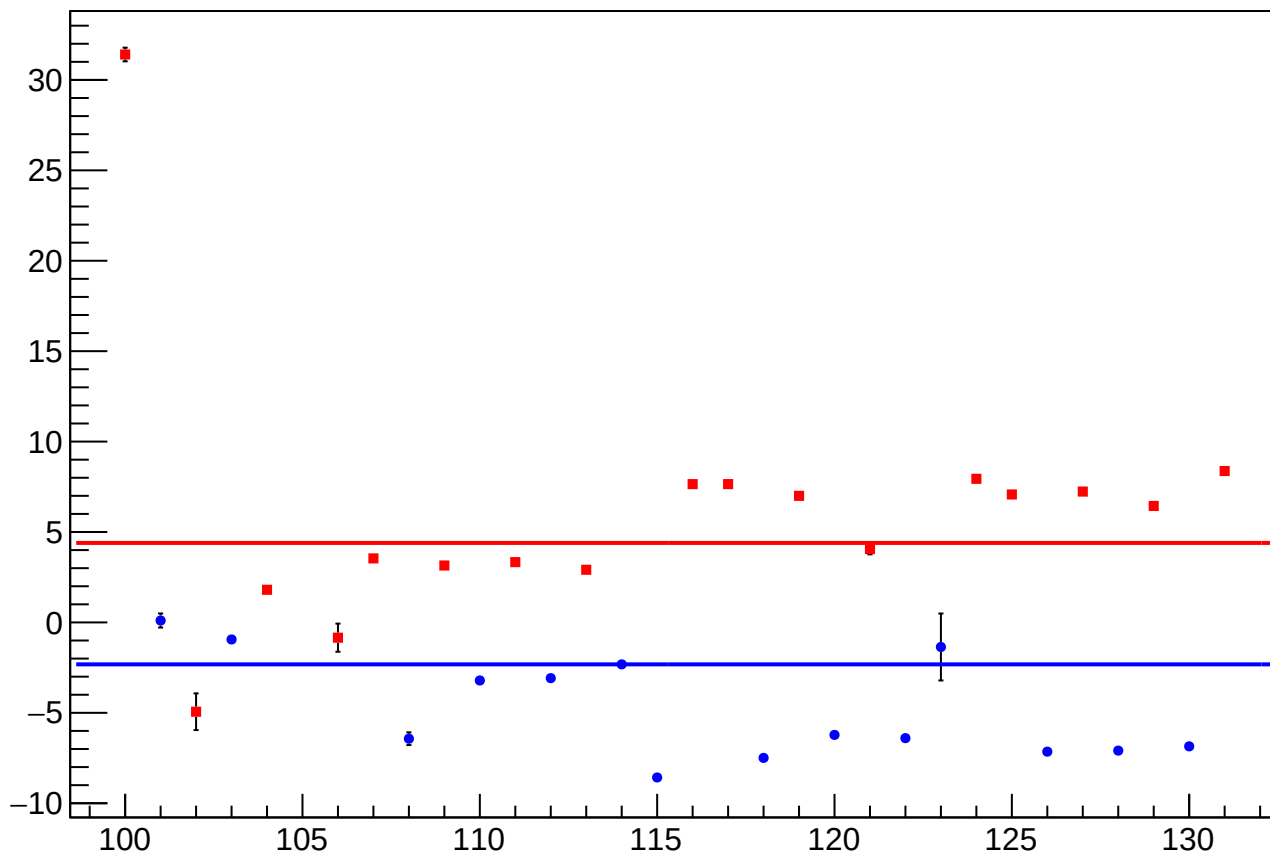
# dit\_sam3\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.521 $\pm$ 0.000  $\chi^2$ /NDF: 1268.0/13  
Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Right Out: -0.762 $\pm$ 0.028  $\chi^2$ /NDF: 1974.1/16  
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.521 $\pm$ 0.000  $\chi^2$ /NDF: 1268.0/13  
0.521 $\pm$ 0.000  $\chi^2$ /NDF: 5275.2/30  
-0.762 $\pm$ 0.028  $\chi^2$ /NDF: 1974.1/16

# dit\_sam3\_4aY\_slope vs Slug, Sign Corrected



Right In: -2.320+/-0.000  $\chi^2/\text{NDF}$ : 79051.2/13

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

Right Out: 4.396+/-0.011  $\chi^2/\text{NDF}$ : 38443.5/16

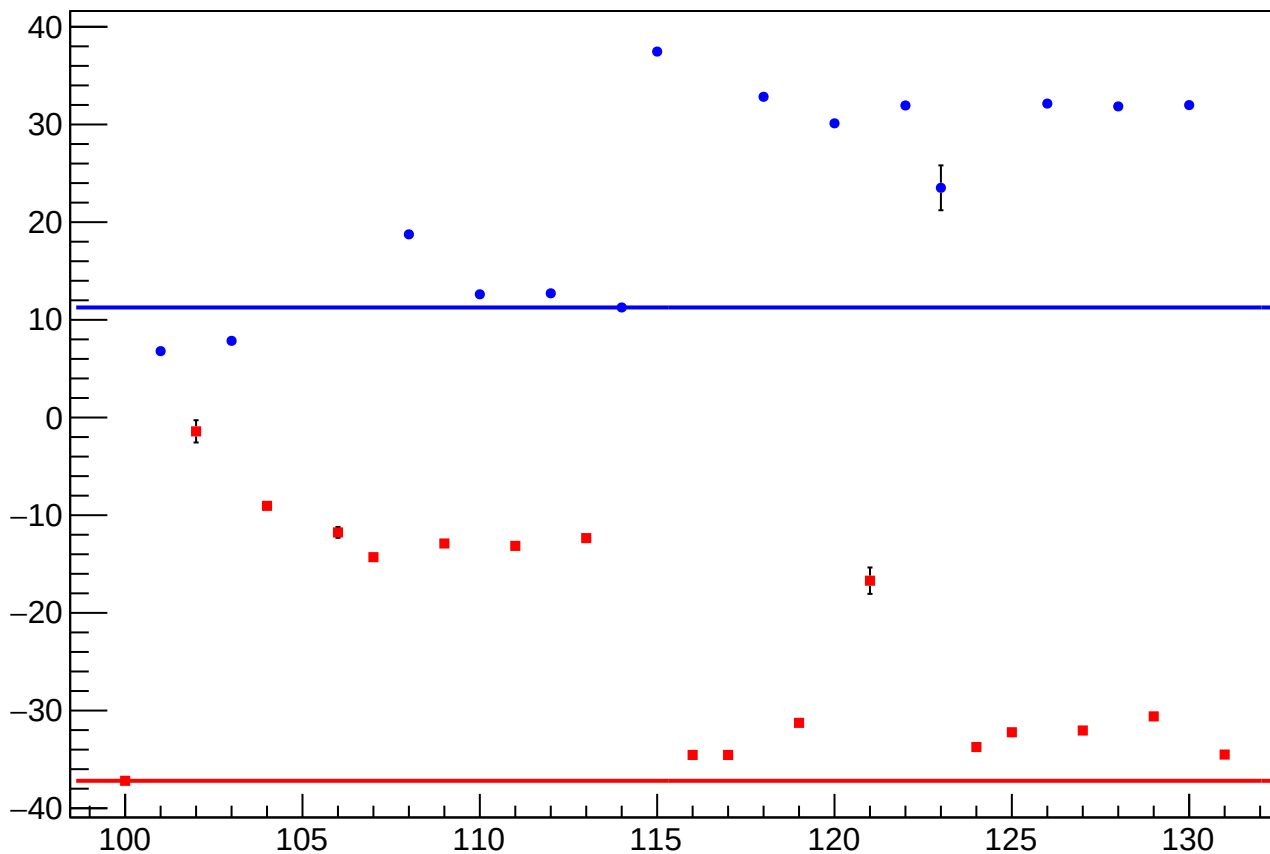
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.320+/-0.000  $\chi^2/\text{NDF}$ : 79051.2/13

-2.320+/-0.000  $\chi^2/\text{NDF}$ : 473915.7/30

4.396+/-0.011  $\chi^2/\text{NDF}$ : 38443.5/16

# dit\_sam3\_4eY\_slope vs Slug, Sign Corrected



Right In: 11.268 $\pm$ 0.000  $\chi^2$ /NDF: 601648.2/13

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

Right Out: -37.191 $\pm$ 0.000  $\chi^2$ /NDF: 1111409.4/16

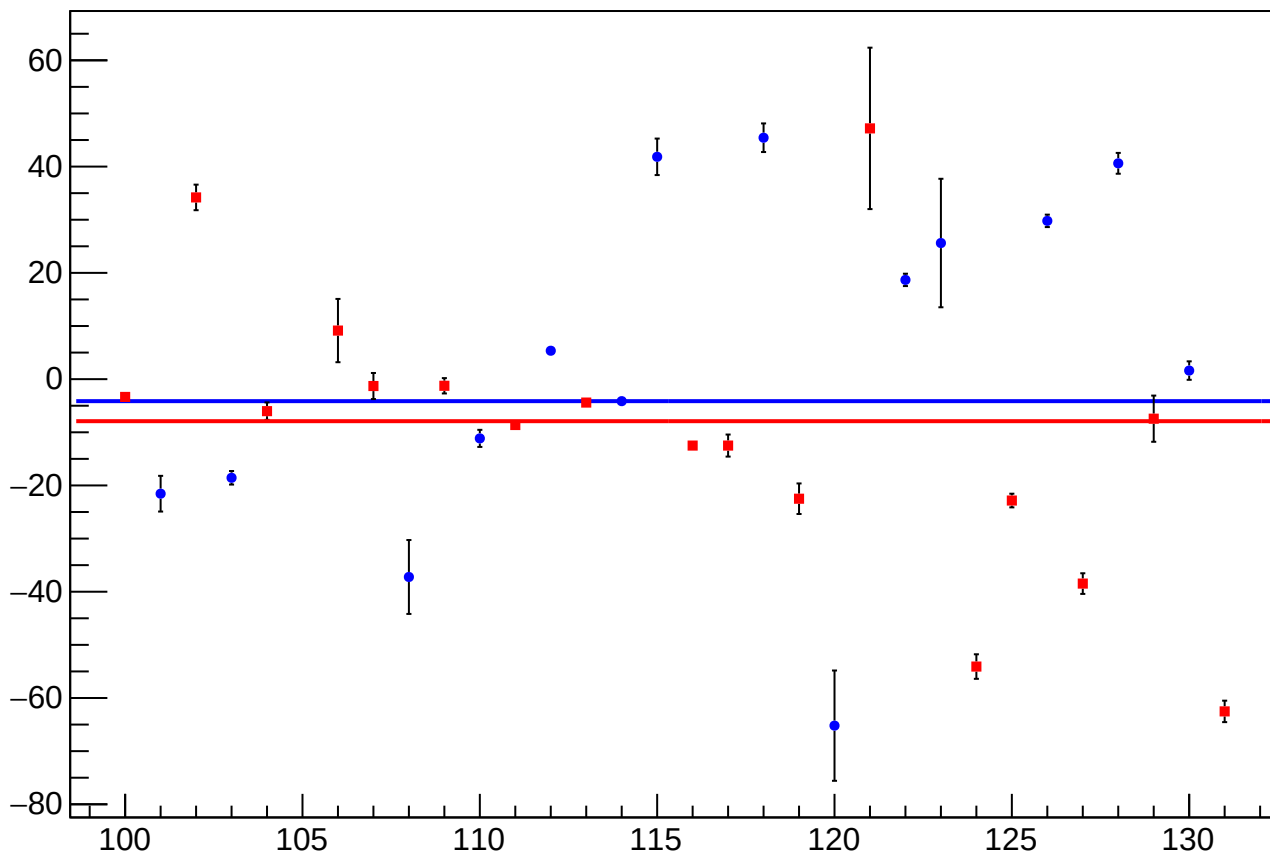
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

11.268 $\pm$ 0.000  $\chi^2$ /NDF: 601648.2/13

9.670 $\pm$ 0.000  $\chi^2$ /NDF: 26986732338875

-37.191 $\pm$ 0.000  $\chi^2$ /NDF: 1111409.4/16

# dit\_sam4\_4aX\_slope vs Slug, Sign Corrected



Right In: -4.139+/-0.000  $\chi^2/\text{NDF}$ : 2696.8/13

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

Right Out: -7.908+/-0.264  $\chi^2/\text{NDF}$ : 2097.5/16

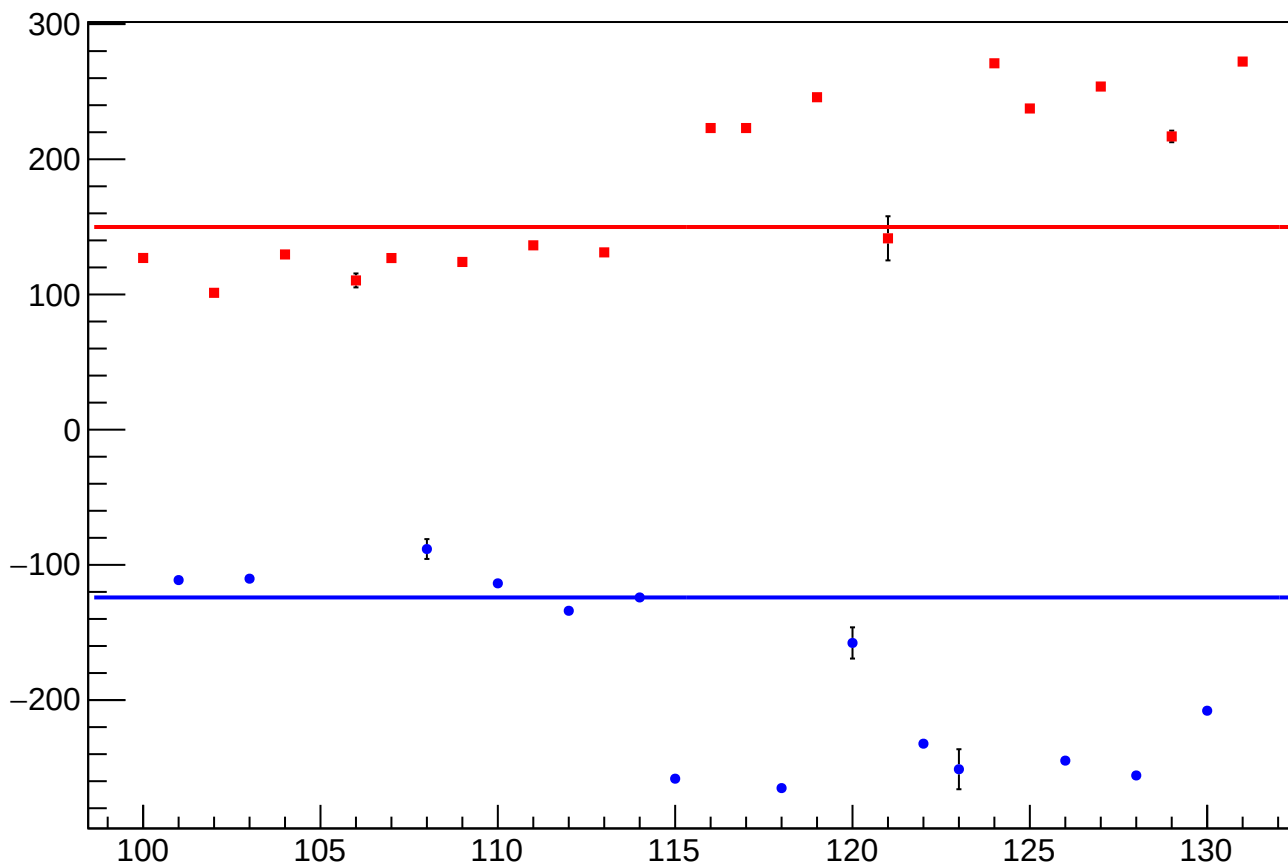
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.139+/-0.000  $\chi^2/\text{NDF}$ : 2696.8/13

-4.139+/-0.000  $\chi^2/\text{NDF}$ : 4997.7/30

-7.908+/-0.264  $\chi^2/\text{NDF}$ : 2097.5/16

# dit\_sam4\_4eX\_slope vs Slug, Sign Corrected



Right In: -124.095+/-0.000  $\chi^2/\text{NDF}$ : 27382.7/13

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

Right Out: 149.907+/-0.270  $\chi^2/\text{NDF}$ : 28328.0/16

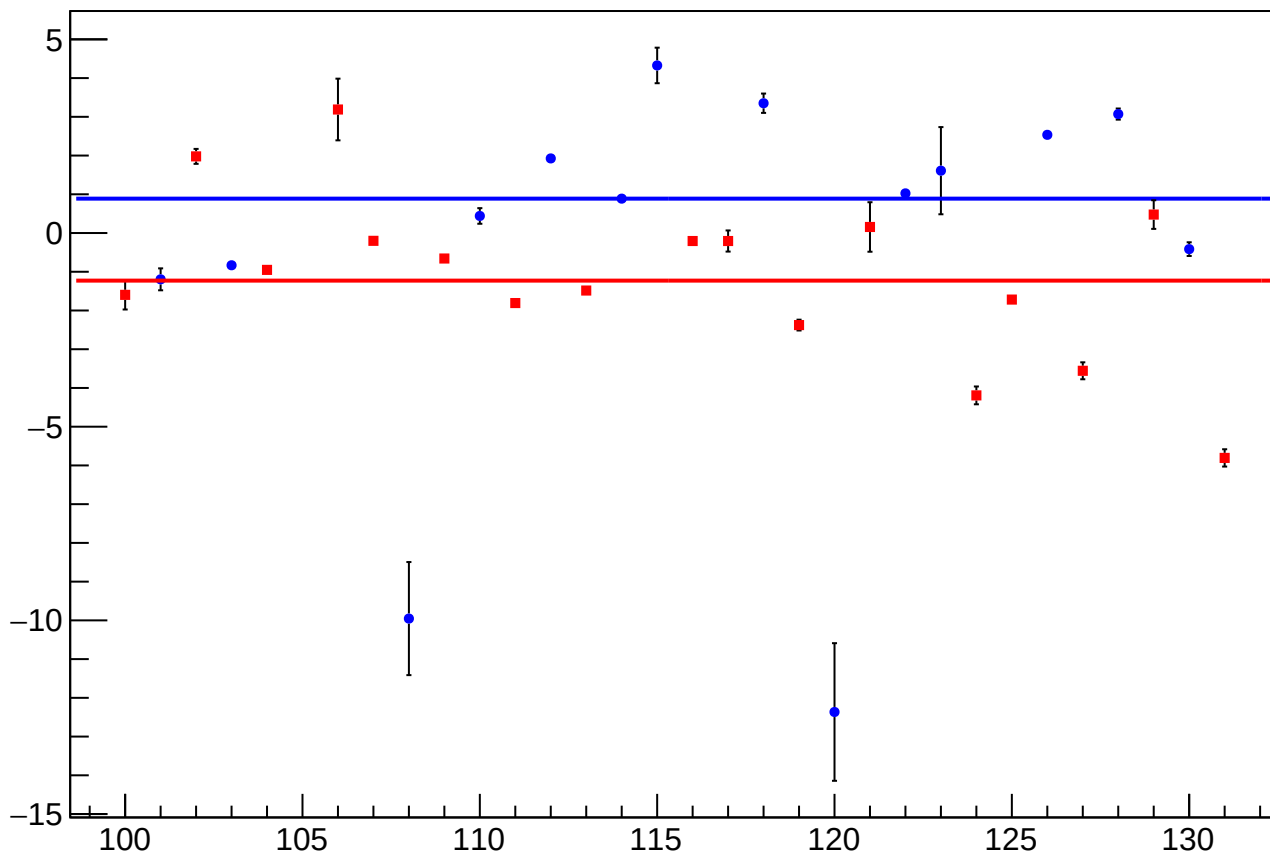
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-124.095+/-0.000  $\chi^2/\text{NDF}$ : 27382.7/13

-124.095+/-0.000  $\chi^2/\text{NDF}$ : 1087058.3/30

149.907+/-0.270  $\chi^2/\text{NDF}$ : 28328.0/16

# dit\_sam4\_11X12X\_slope vs Slug, Sign Corrected

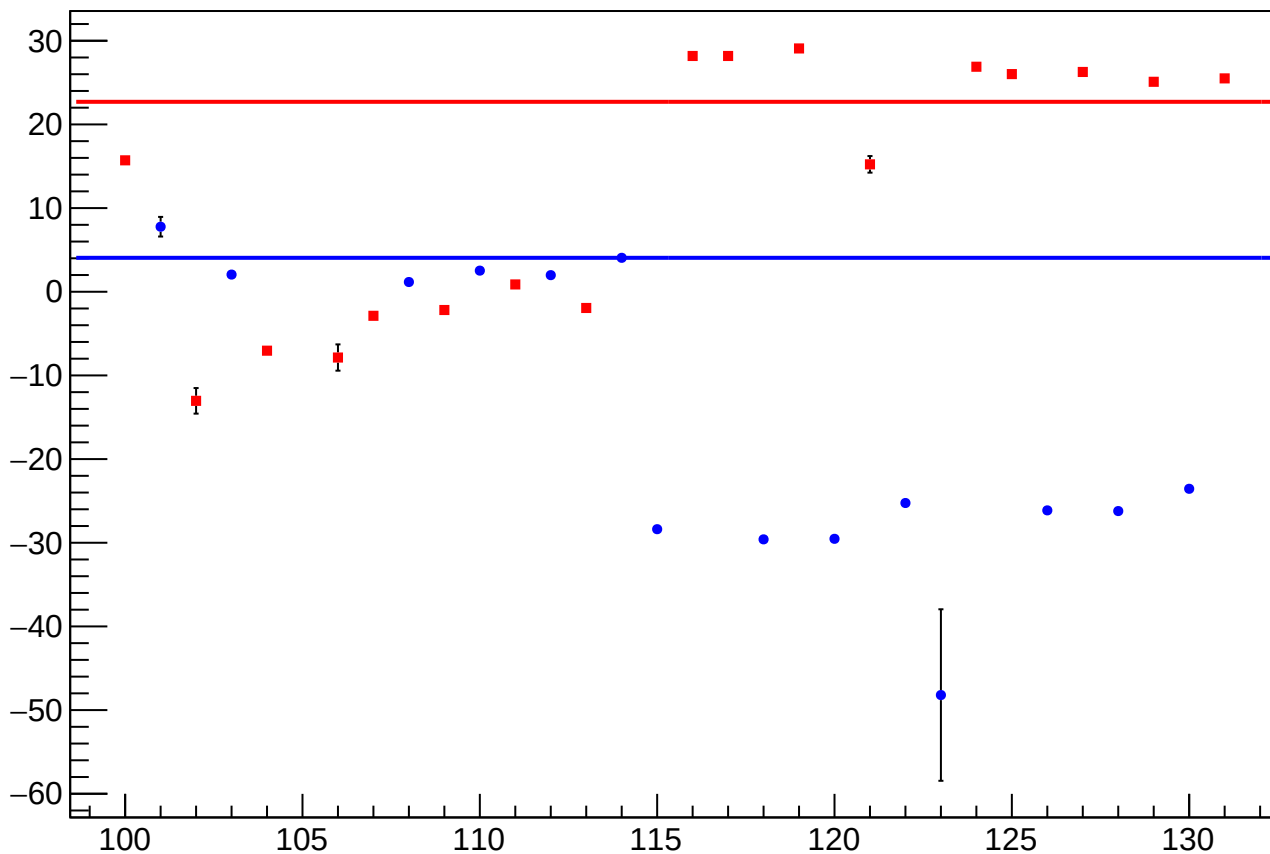


Right In: 0.888 $\pm$ 0.000  $\chi^2$ /NDF: 1639.3/13  
Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Right Out: -1.229 $\pm$ 0.030  $\chi^2$ /NDF: 1507.3/16  
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.888 $\pm$ 0.000  $\chi^2$ /NDF: 1639.3/13  
0.888 $\pm$ 0.000  $\chi^2$ /NDF: 8227.8/30  
-1.229 $\pm$ 0.030  $\chi^2$ /NDF: 1507.3/16



# dit\_sam4\_4aY\_slope vs Slug, Sign Corrected



Right In: 4.057+/-0.000  $\chi^2/\text{NDF}$ : 818531.4/13

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

Right Out: 22.703+/-0.029  $\chi^2/\text{NDF}$ : 116320.3/16

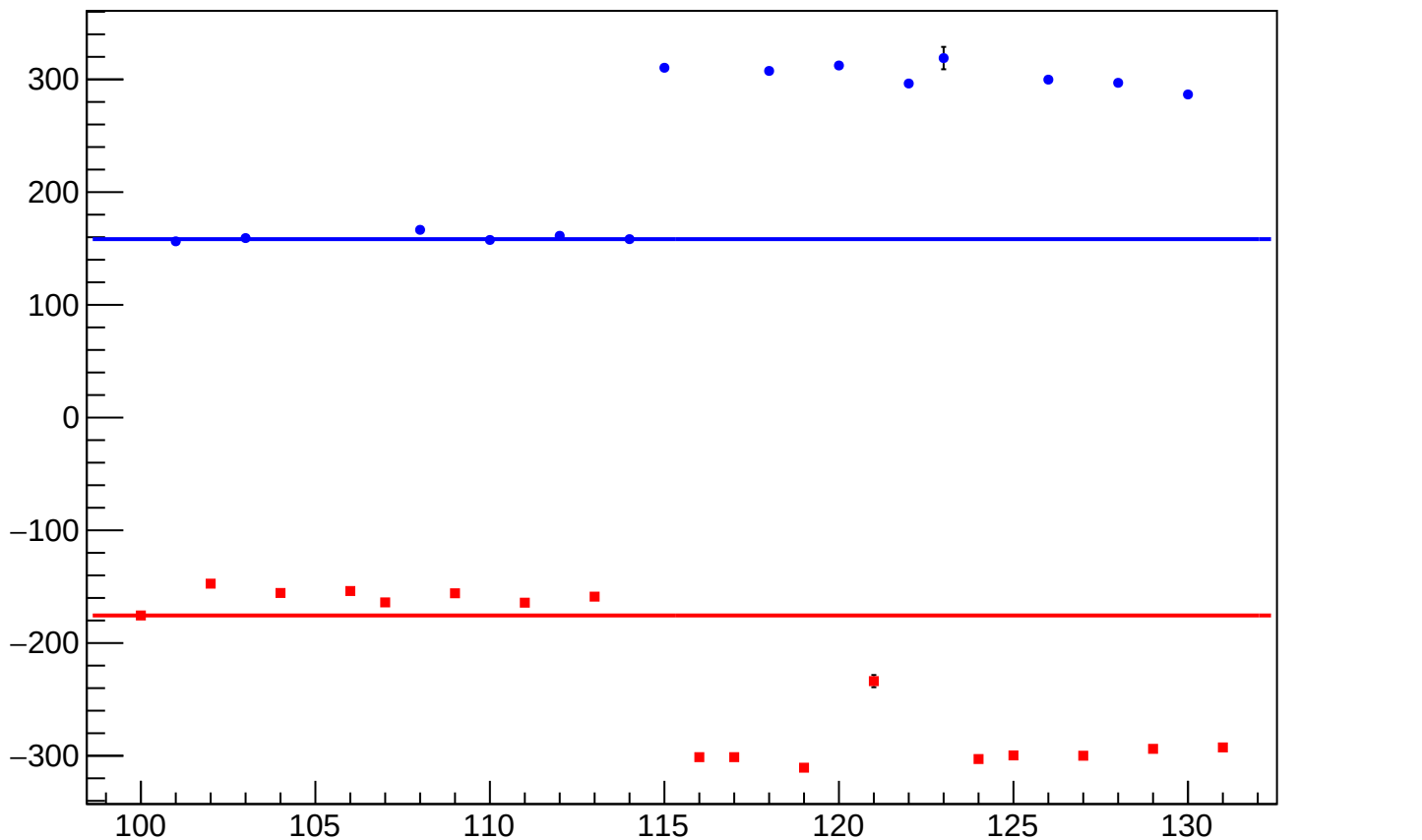
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.057+/-0.000  $\chi^2/\text{NDF}$ : 818531.4/13

4.057+/-0.000  $\chi^2/\text{NDF}$ : 1347366.8/30

22.703+/-0.029  $\chi^2/\text{NDF}$ : 116320.3/16

# dit\_sam4\_4eY\_slope vs Slug, Sign Corrected



Right In: 158.293+/-0.000  $\chi^2/\text{NDF}$ : 1493659.3/13

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

Right Out: -175.536+/-0.000  $\chi^2/\text{NDF}$ : 1584986.3/16

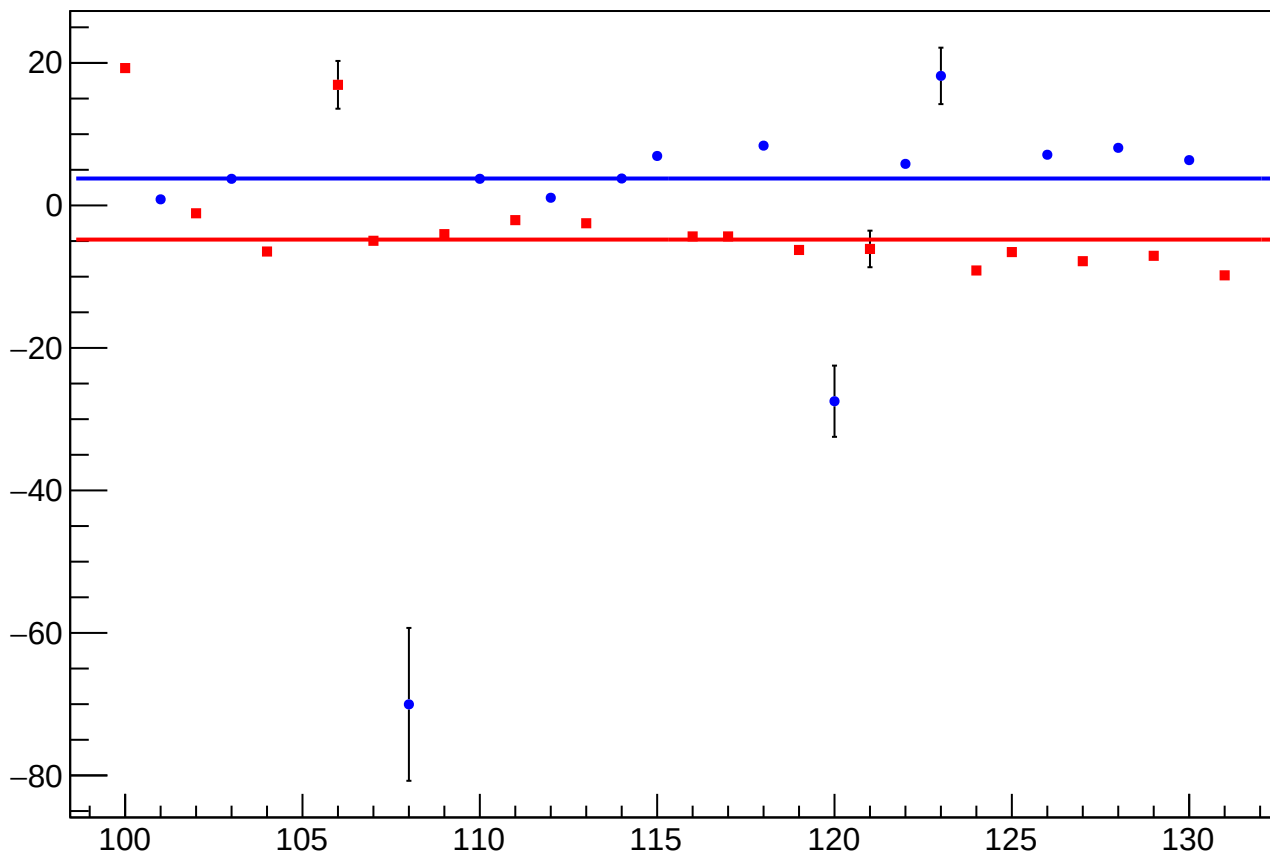
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

158.293+/-0.000  $\chi^2/\text{NDF}$ : 1493659.3/13

-119.042+/-0.000  $\chi^2/\text{NDF}$ : 14008038966

-175.536+/-0.000  $\chi^2/\text{NDF}$ : 1584986.3/16

# dit\_sam5\_4aX\_slope vs Slug, Sign Corrected



Right In: 3.778+/-0.000  $\chi^2/\text{NDF}$ : 3710.3/13

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

Right Out: -4.793+/-0.027  $\chi^2/\text{NDF}$ : 13382.4/16

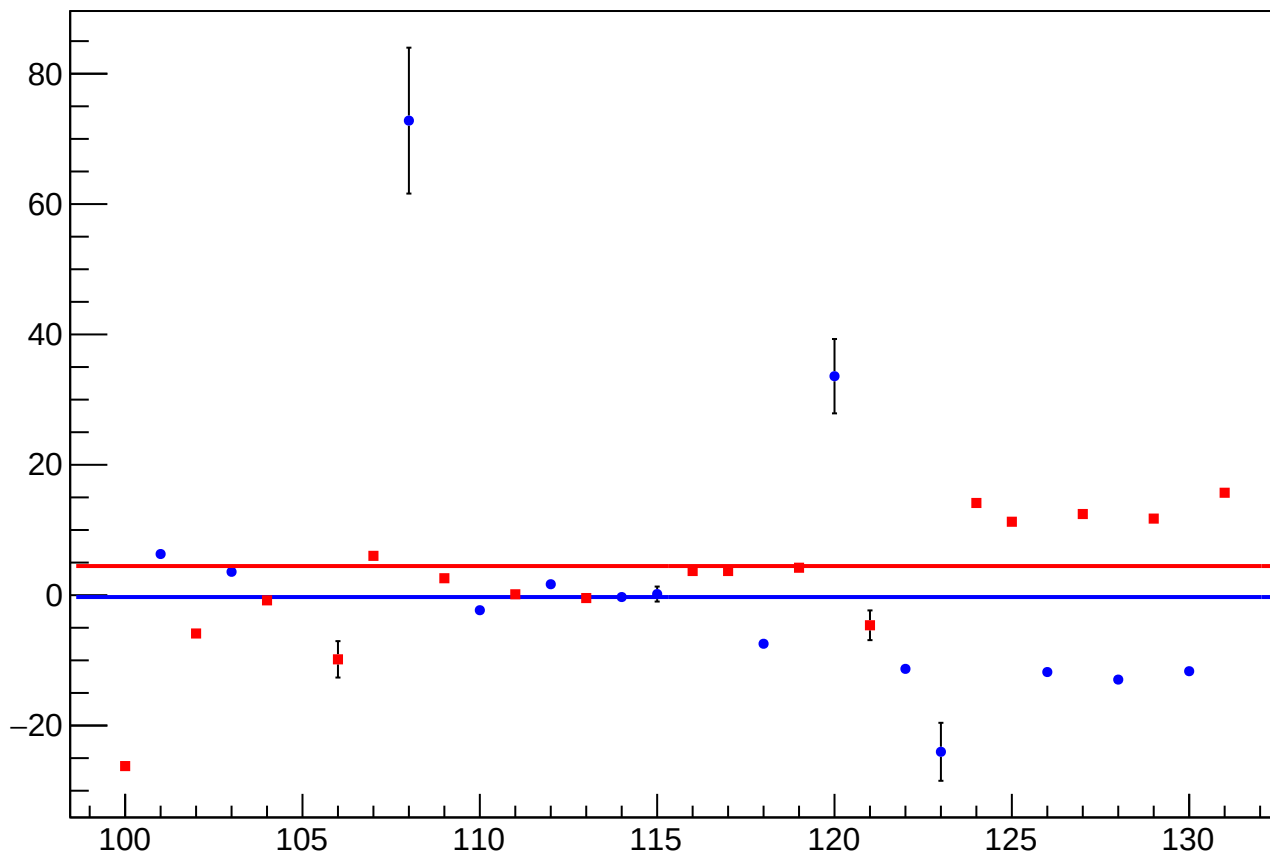
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.778+/-0.000  $\chi^2/\text{NDF}$ : 3710.3/13

3.778+/-0.000  $\chi^2/\text{NDF}$ : 116577.3/30

-4.793+/-0.027  $\chi^2/\text{NDF}$ : 13382.4/16

# dit\_sam5\_4eX\_slope vs Slug, Sign Corrected



Right In: -0.287+/-0.000  $\chi^2/\text{NDF}$ : 34909.8/13

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

Right Out: 4.468+/-0.029  $\chi^2/\text{NDF}$ : 50306.3/16

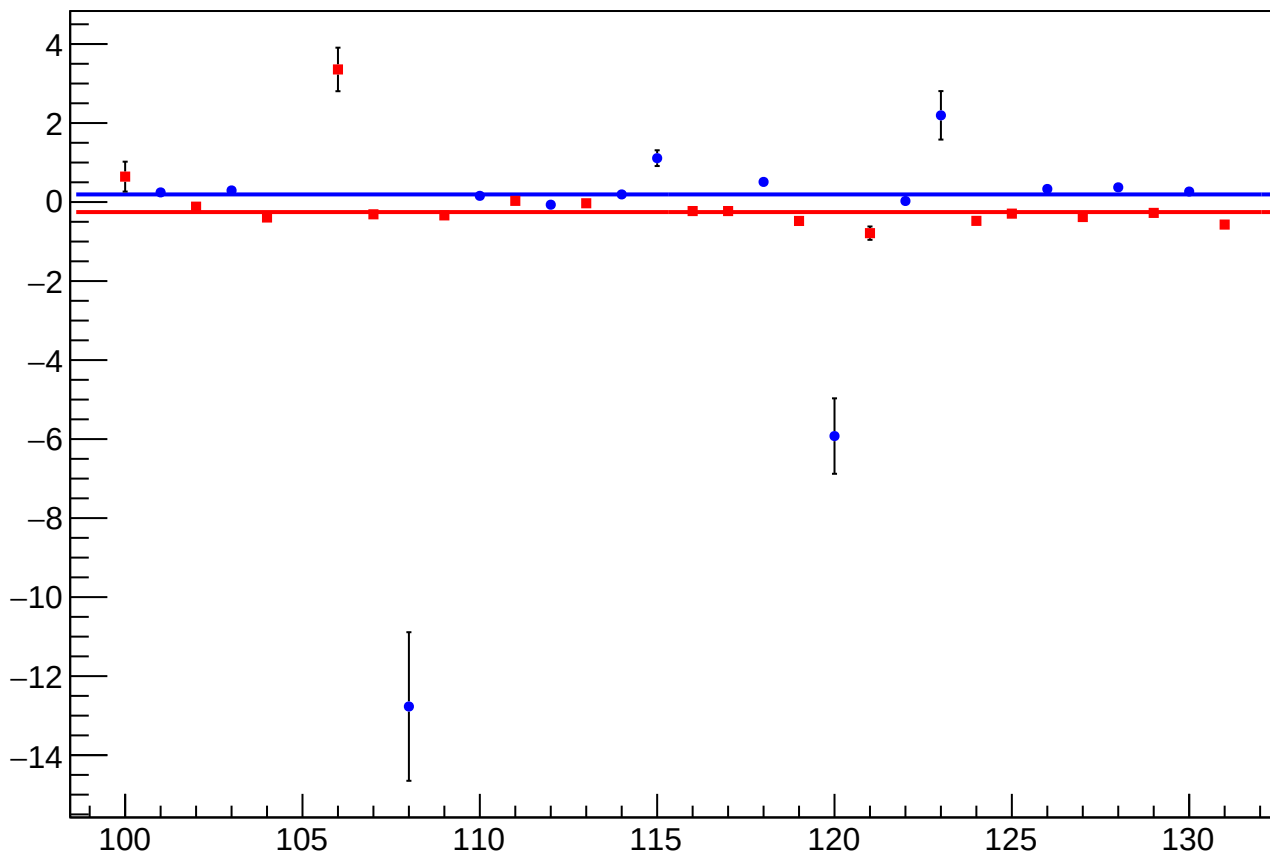
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.287+/-0.000  $\chi^2/\text{NDF}$ : 34909.8/13

-0.287+/-0.000  $\chi^2/\text{NDF}$ : 111215.6/30

4.468+/-0.029  $\chi^2/\text{NDF}$ : 50306.3/16

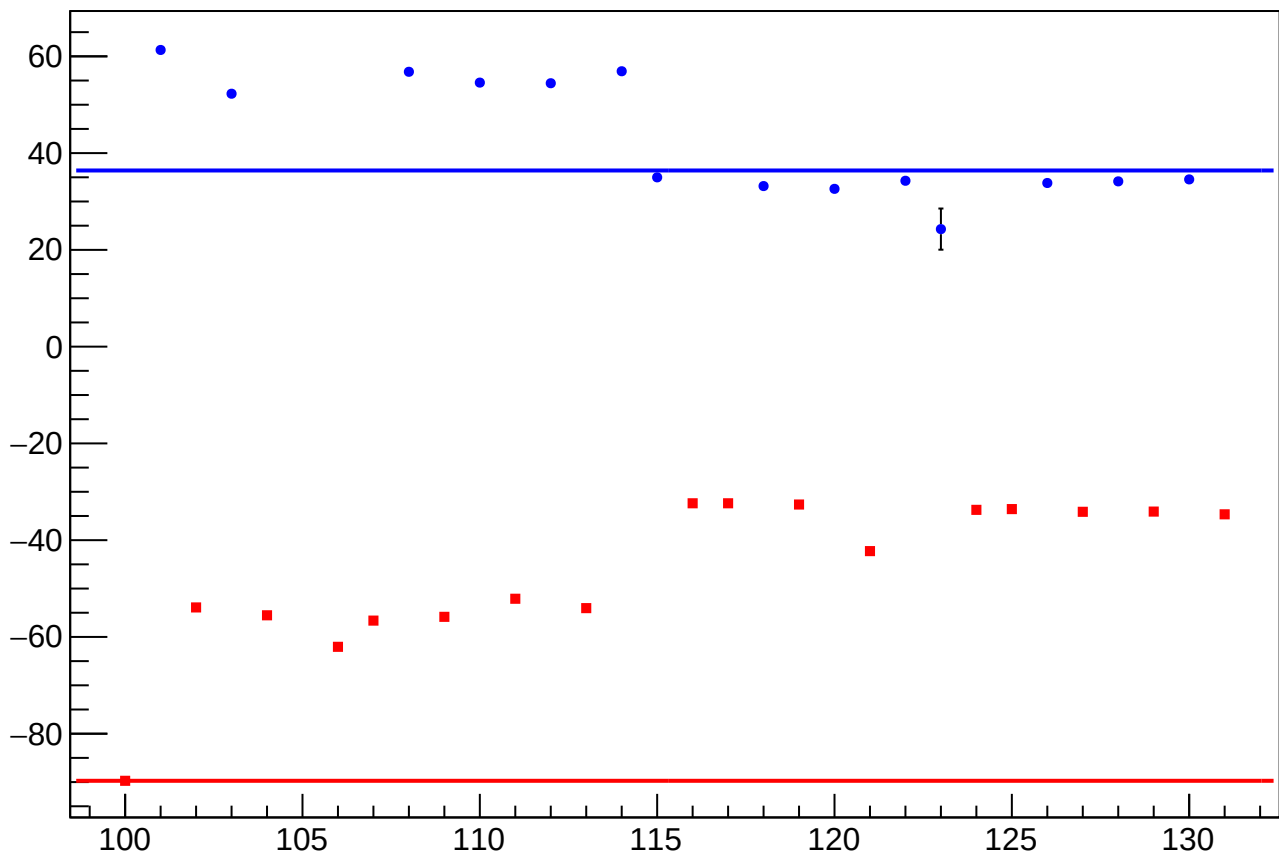
# dit\_sam5\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.000  $\chi^2/\text{NDF}$ : 1960.4/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -0.254+/-0.002  $\chi^2/\text{NDF}$ : 5349.4/16  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.193+/-0.000  $\chi^2/\text{NDF}$ : 1960.4/13  
0.193+/-0.000  $\chi^2/\text{NDF}$ : 44600.7/30  
-0.254+/-0.002  $\chi^2/\text{NDF}$ : 5349.4/16

# dit\_sam5\_4aY\_slope vs Slug, Sign Corrected



Right In: 36.410 $\pm$ 0.014  $\chi^2$ /NDF: 210441.6/13

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

Right Out: -89.735 $\pm$ 0.000  $\chi^2$ /NDF: 21071821.1/16

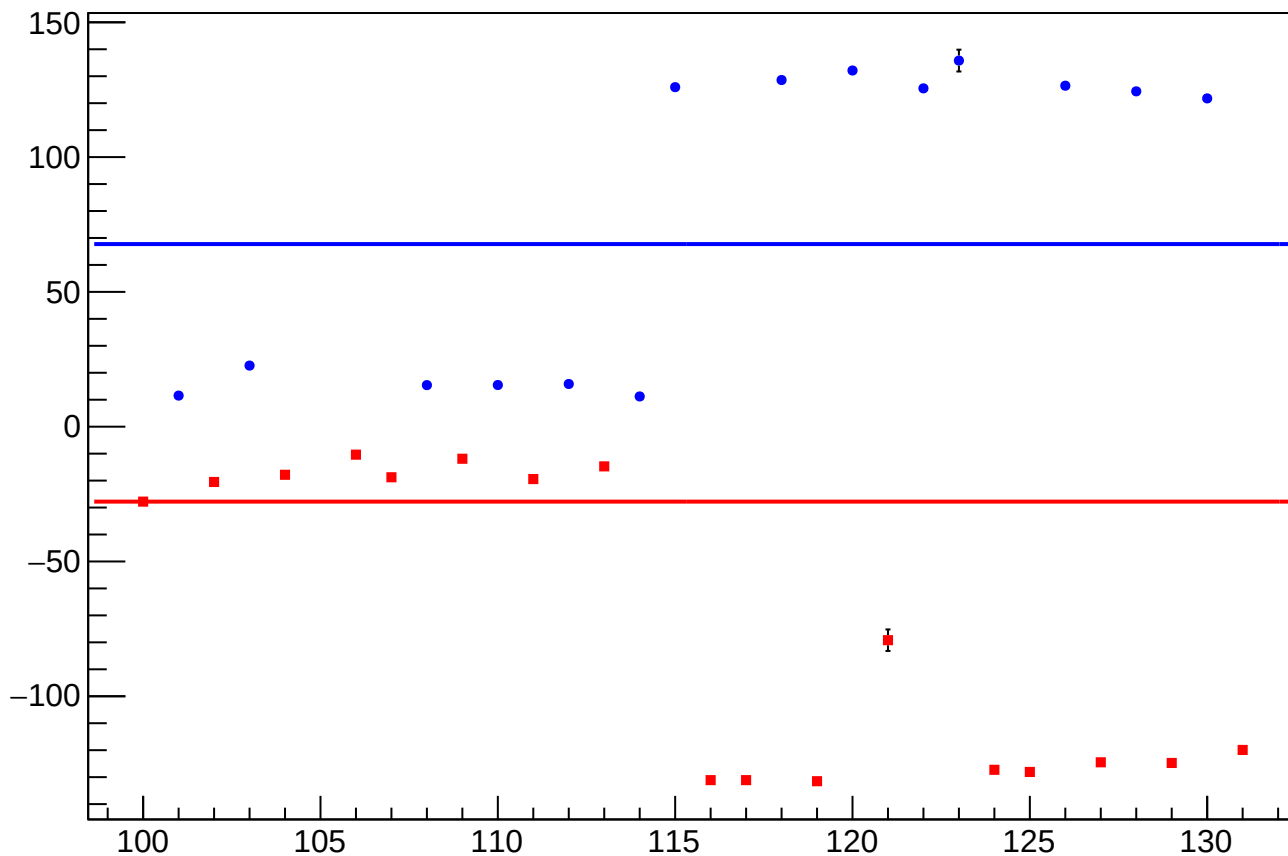
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

36.410 $\pm$ 0.014  $\chi^2$ /NDF: 210441.6/13

-89.735 $\pm$ 0.000  $\chi^2$ /NDF: 102061989.5/3

-89.735 $\pm$ 0.000  $\chi^2$ /NDF: 21071821.1/16

# dit\_sam5\_4eY\_slope vs Slug, Sign Corrected



Right In: 67.732+/-0.040  $\chi^2/\text{NDF}$ : 1790109.4/13

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

Right Out: -27.798+/-0.000  $\chi^2/\text{NDF}$ : 7892832.0/16

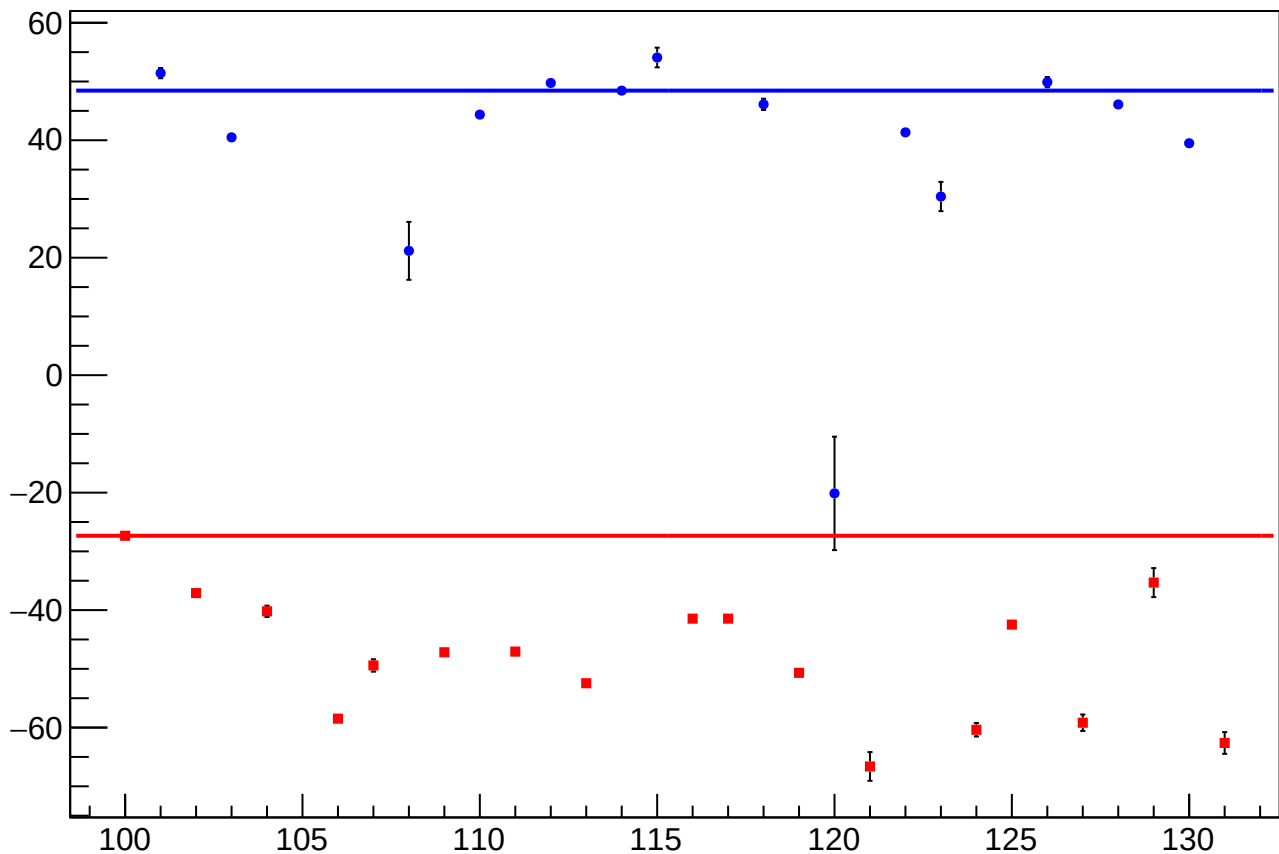
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

67.732+/-0.040  $\chi^2/\text{NDF}$ : 1790109.4/13

-27.798+/-0.000  $\chi^2/\text{NDF}$ : 15404723.6/30

-27.798+/-0.000  $\chi^2/\text{NDF}$ : 7892832.0/16

# dit\_sam6\_4aX\_slope vs Slug, Sign Corrected



Right In: 48.450+/-0.000  $\chi^2/\text{NDF}$ : 1065.2/13

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

Right Out: -27.342+/-0.000  $\chi^2/\text{NDF}$ : 18836.5/16

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

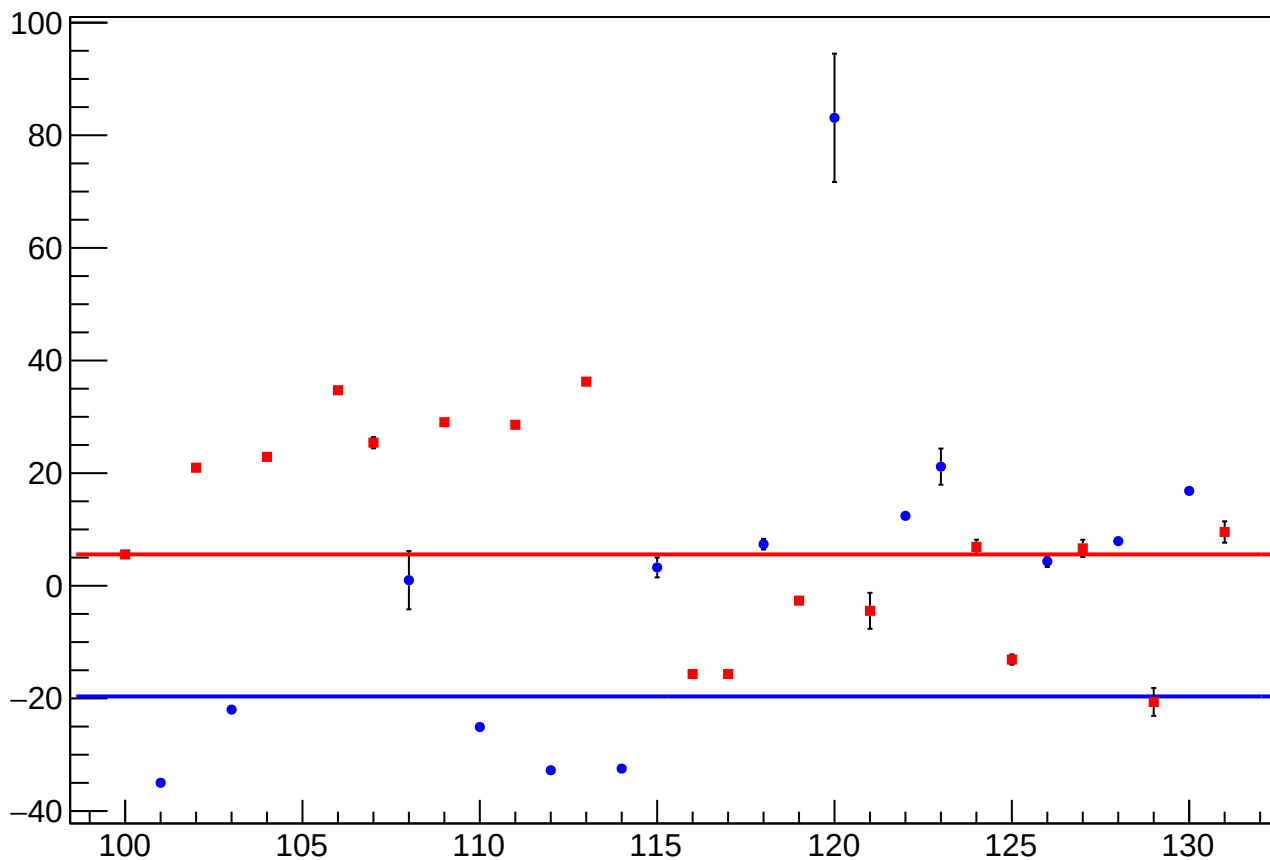
48.450+/-0.000  $\chi^2/\text{NDF}$ : 1065.2/13

-23.670+/-0.000  $\chi^2/\text{NDF}$ : 132325766337

-27.342+/-0.000  $\chi^2/\text{NDF}$ : 18836.5/16



# dit\_sam6\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-19.653 \pm 0.157$   $\chi^2/\text{NDF}$ : 11434.7/13

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

Right Out:  $5.568 \pm 0.000$   $\chi^2/\text{NDF}$ : 23076.1/16

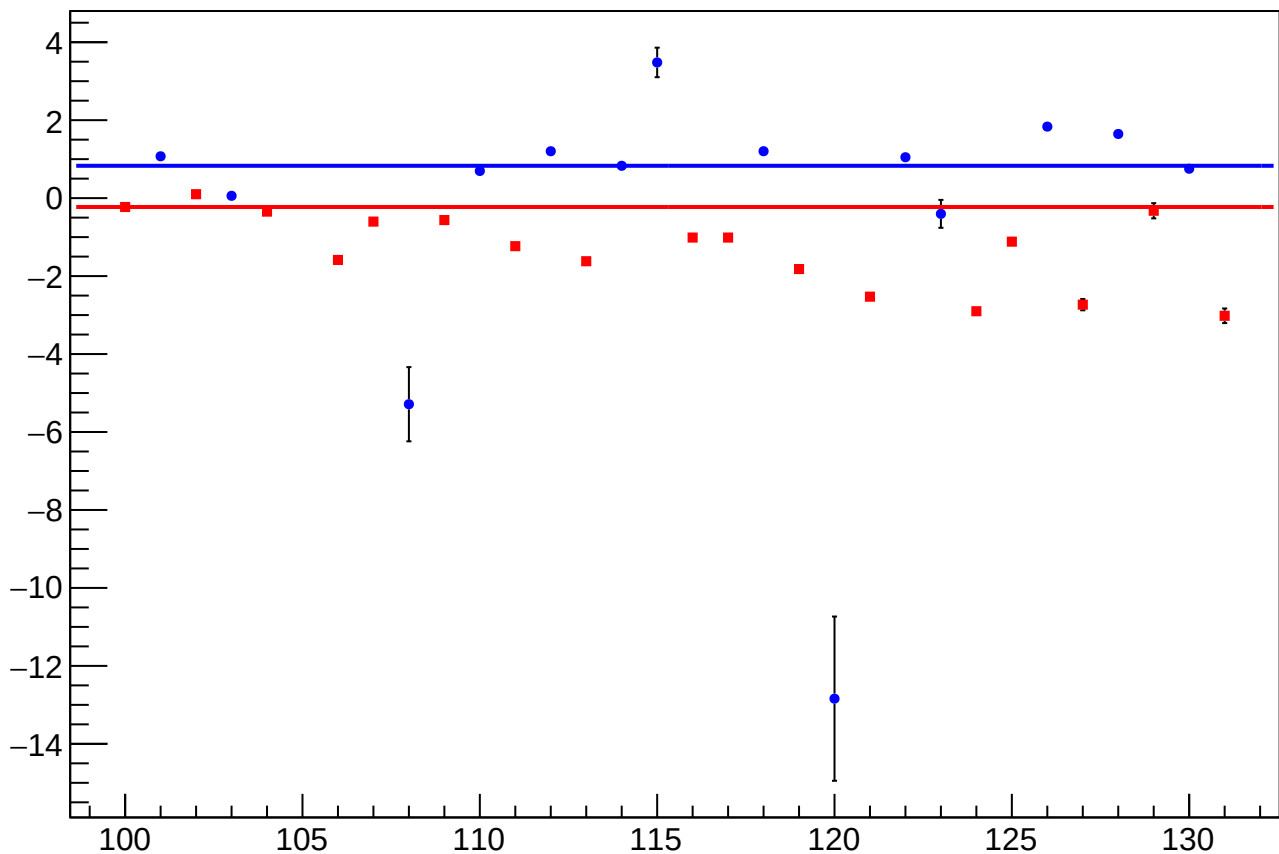
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-19.653 \pm 0.157$   $\chi^2/\text{NDF}$ : 11434.7/13

$5.568 \pm 0.000$   $\chi^2/\text{NDF}$ : 60327.0/30

$5.568 \pm 0.000$   $\chi^2/\text{NDF}$ : 23076.1/16

dit\_sam6\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.830+/-0.000  $\chi^2/\text{NDF}$ : 2571.6/13

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

Right Out: -0.227+/-0.000  $\chi^2/\text{NDF}$ : 10959.7/16

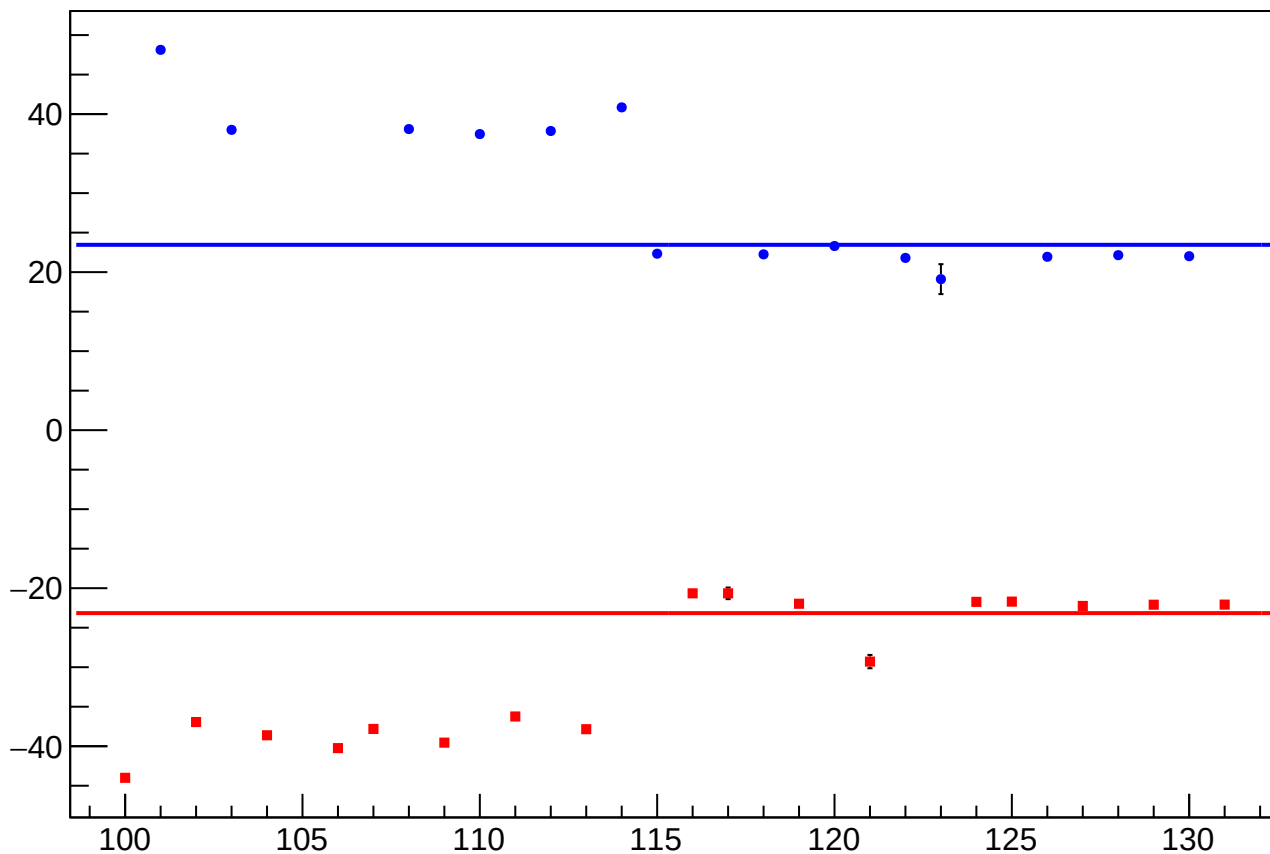
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.830+/-0.000  $\chi^2/\text{NDF}$ : 2571.6/13

-0.119+/-0.000  $\chi^2/\text{NDF}$ : 8952099166794

-0.227+/-0.000  $\chi^2/\text{NDF}$ : 10959.7/16

# dit\_sam6\_4aY\_slope vs Slug, Sign Corrected



Right In: 23.457 $\pm$ 0.015  $\chi^2$ /NDF: 97793.1/13

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

Right Out: -23.154 $\pm$ 0.010  $\chi^2$ /NDF: 164260.8/16

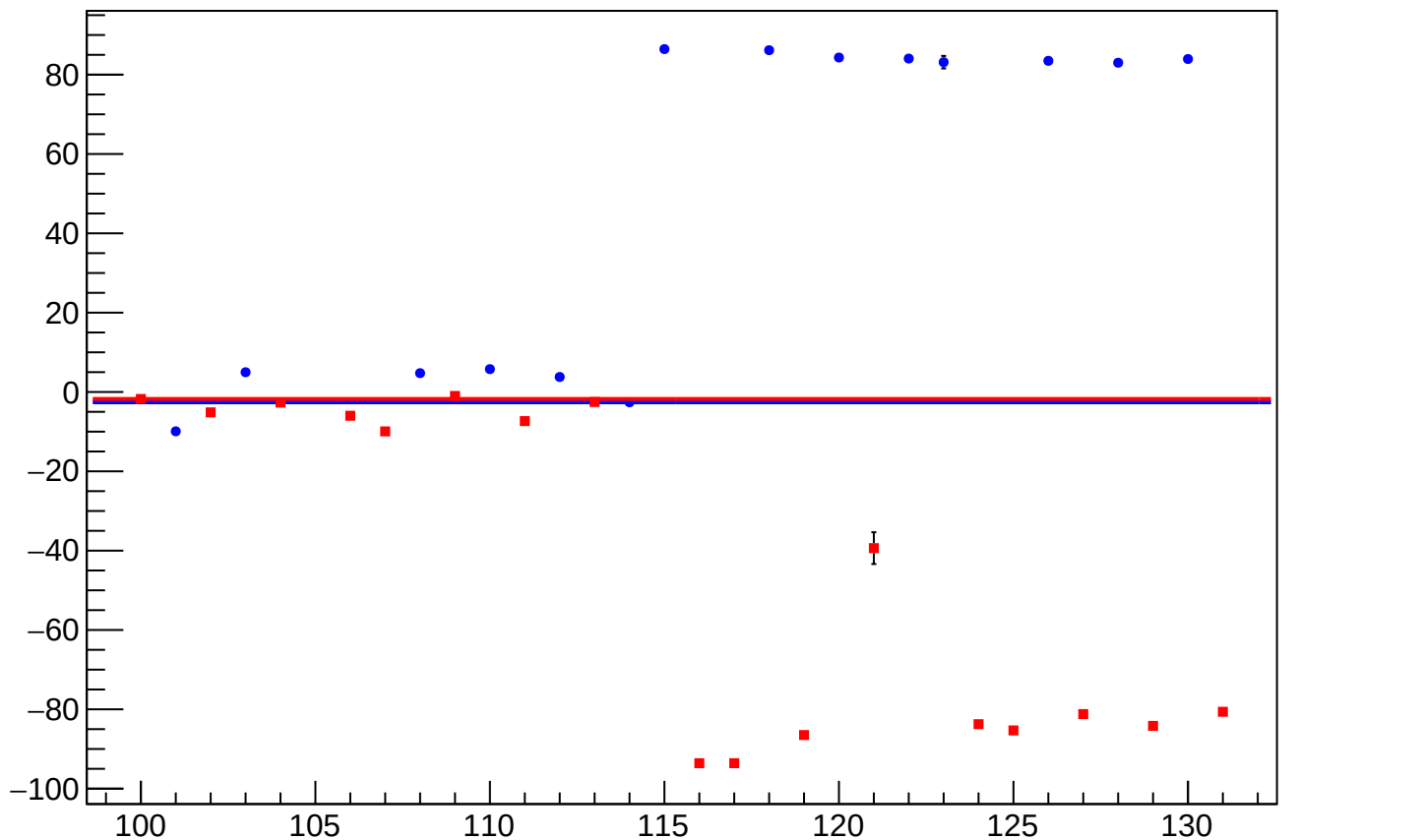
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

23.457 $\pm$ 0.015  $\chi^2$ /NDF: 97793.1/13

-9.260 $\pm$ 0.008  $\chi^2$ /NDF: 7233836.3/30

-23.154 $\pm$ 0.010  $\chi^2$ /NDF: 164260.8/16

# dit\_sam6\_4eY\_slope vs Slug, Sign Corrected



Right In: -2.596+/-0.000  $\chi^2/\text{NDF}$ : 4393982.6/13

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

Right Out: -1.758+/-0.000  $\chi^2/\text{NDF}$ : 3088875.6/16

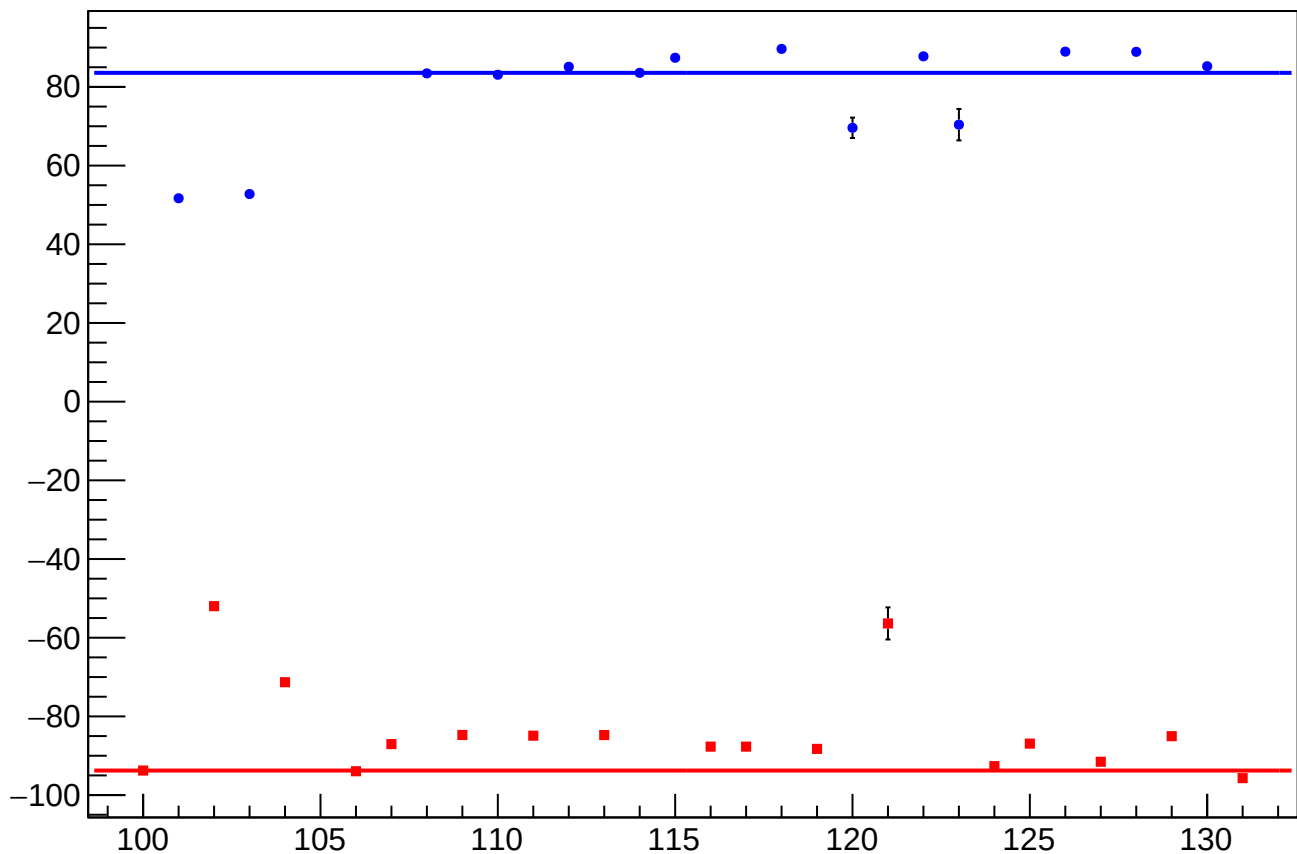
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.596+/-0.000  $\chi^2/\text{NDF}$ : 4393982.6/13

-2.300+/-0.000  $\chi^2/\text{NDF}$ : 1380717163323

-1.758+/-0.000  $\chi^2/\text{NDF}$ : 3088875.6/16

# dit\_sam7\_4aX\_slope vs Slug, Sign Corrected



Right In: 83.573+/-0.000  $\chi^2/\text{NDF}$ : 46695.2/13

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

Right Out: -93.762+/-0.000  $\chi^2/\text{NDF}$ : 80634.4/16

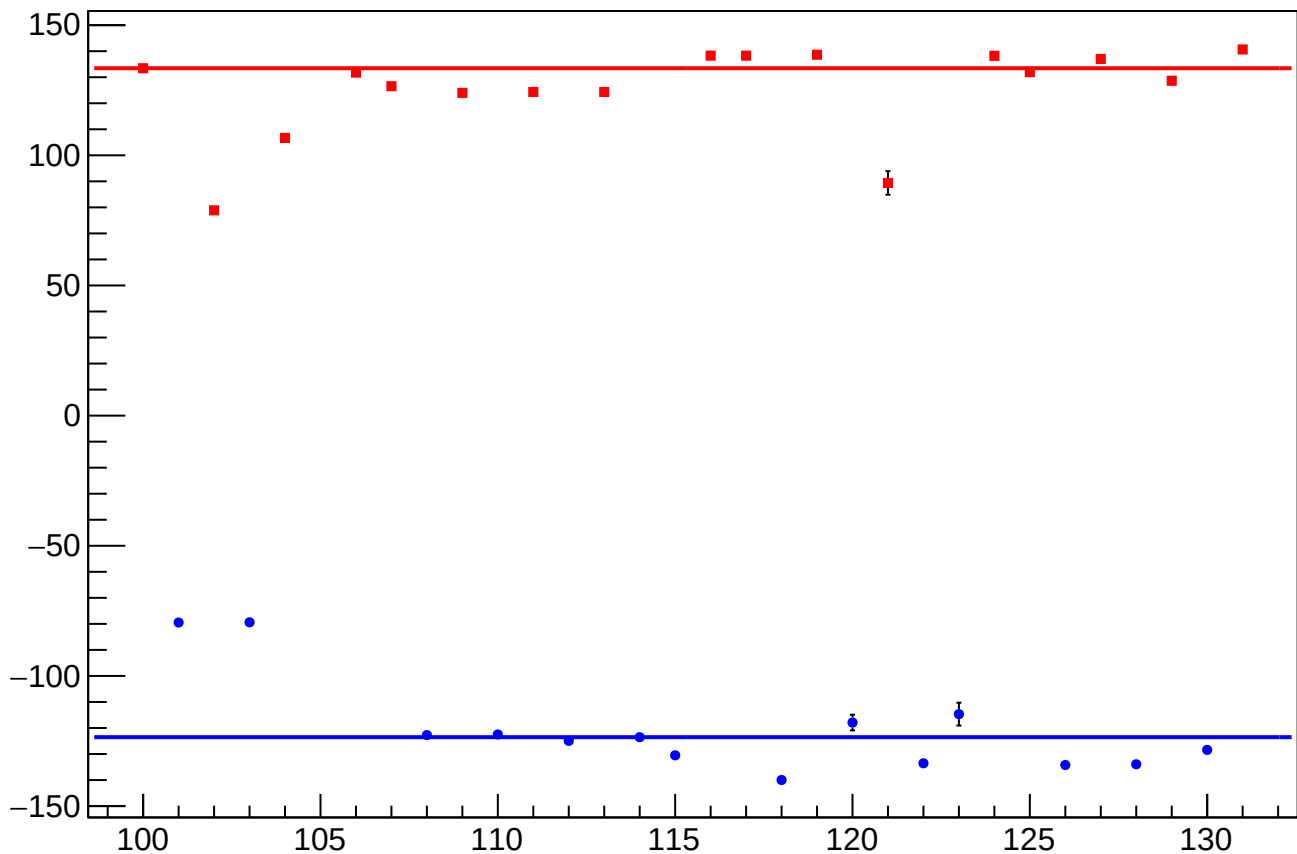
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

83.573+/-0.000  $\chi^2/\text{NDF}$ : 46695.2/13

20.984+/-0.000  $\chi^2/\text{NDF}$ : 6045693090189

-93.762+/-0.000  $\chi^2/\text{NDF}$ : 80634.4/16

# dit\_sam7\_4eX\_slope vs Slug, Sign Corrected



Right In: -123.524+/-0.000  $\chi^2/\text{NDF}$ : 149556.3/13

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

Right Out: 133.456+/-0.000  $\chi^2/\text{NDF}$ : 131302.9/16

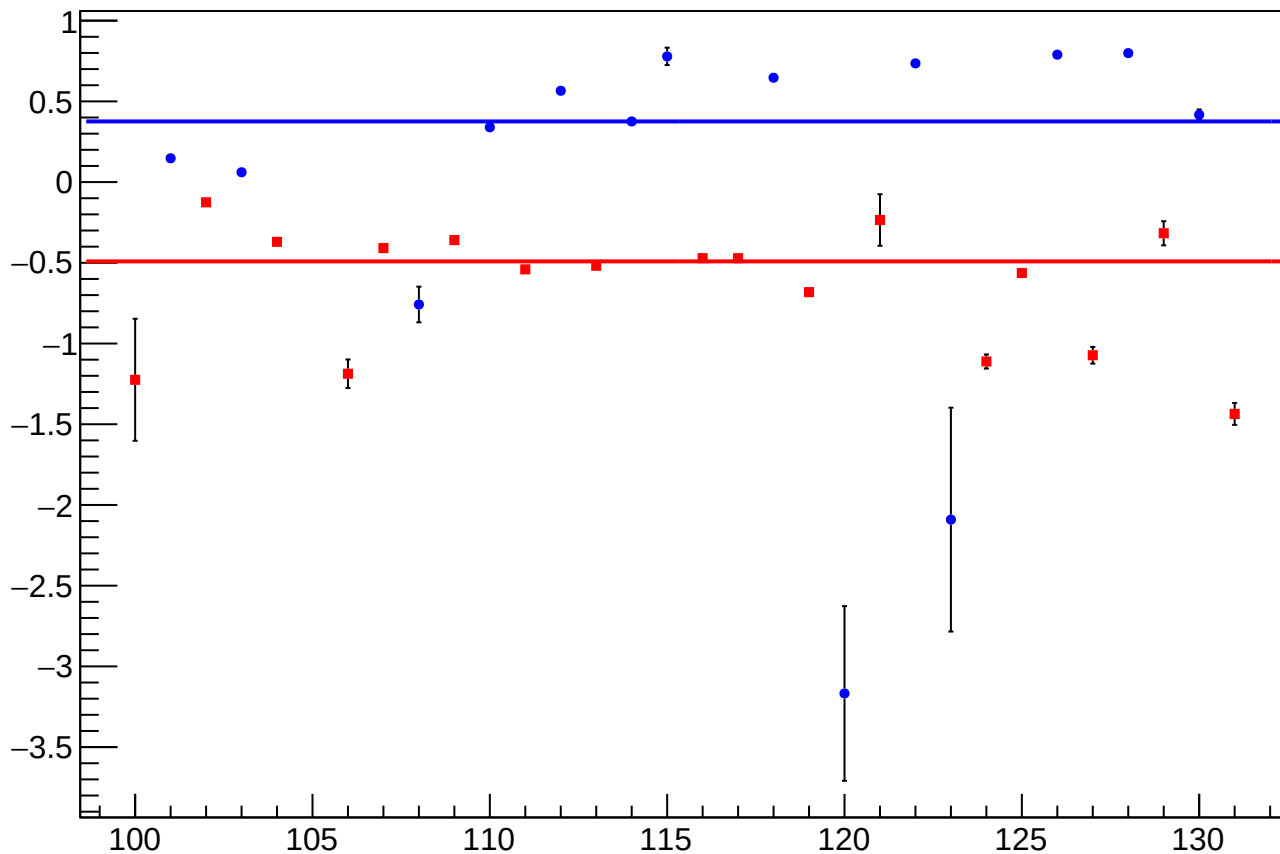
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-123.524+/-0.000  $\chi^2/\text{NDF}$ : 149556.3/13

-92.687+/-0.000  $\chi^2/\text{NDF}$ : 431650658224

133.456+/-0.000  $\chi^2/\text{NDF}$ : 131302.9/16

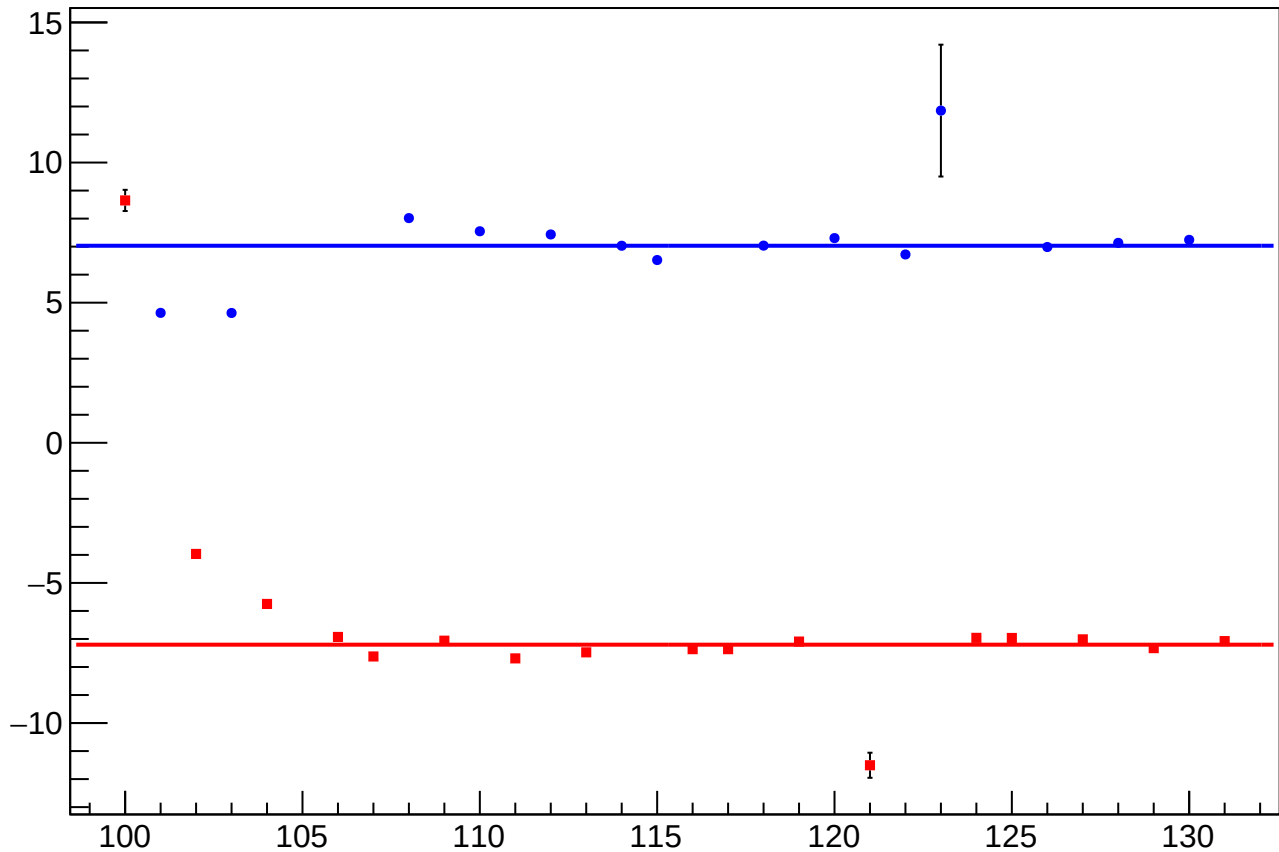
dit\_sam7\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.376+/-0.000  $\chi^2/\text{NDF}$ : 3376.3/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -0.491+/-0.003  $\chi^2/\text{NDF}$ : 1438.6/16  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.376+/-0.000  $\chi^2/\text{NDF}$ : 3376.3/13  
 0.376+/-0.000  $\chi^2/\text{NDF}$ : 69187.8/30  
 -0.491+/-0.003  $\chi^2/\text{NDF}$ : 1438.6/16

# dit\_sam7\_4aY\_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000  $\chi^2$ /NDF: 9130.8/13

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

Right Out: -7.204 $\pm$ 0.003  $\chi^2$ /NDF: 9310.5/16

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

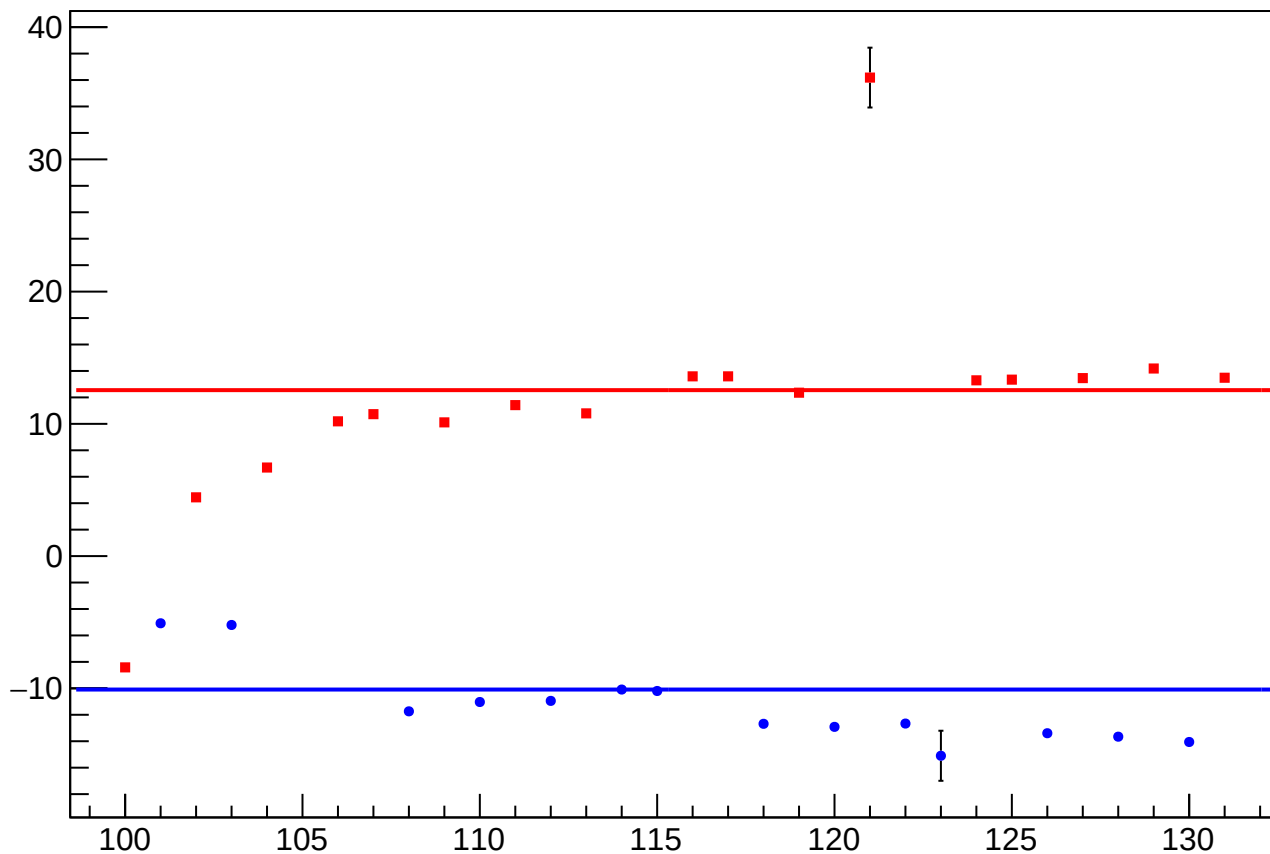
7.032 $\pm$ 0.000  $\chi^2$ /NDF: 9130.8/13

7.032 $\pm$ 0.000  $\chi^2$ /NDF: 27640462.8/30

-7.204 $\pm$ 0.003  $\chi^2$ /NDF: 9310.5/16



# dit\_sam7\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-10.092 \pm 0.000$   $\chi^2/\text{NDF}$ : 324318.4/13

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

Right Out:  $12.550 \pm 0.004$   $\chi^2/\text{NDF}$ : 106518.0/16

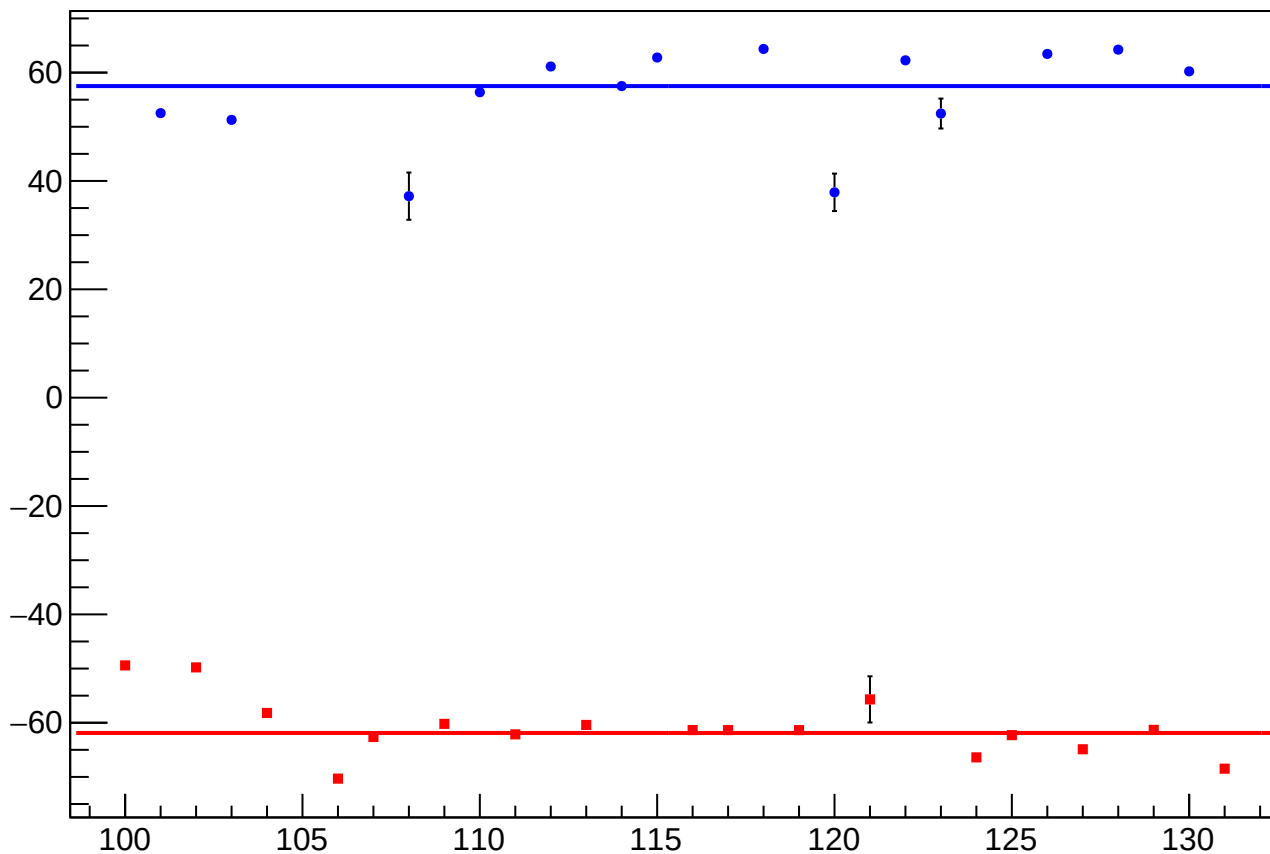
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-10.092 \pm 0.000$   $\chi^2/\text{NDF}$ : 324318.4/13

$-10.092 \pm 0.000$   $\chi^2/\text{NDF}$ : 33938276.2/30

$12.550 \pm 0.004$   $\chi^2/\text{NDF}$ : 106518.0/16

# dit\_sam8\_4aX\_slope vs Slug, Sign Corrected



Right In: 57.510+/-0.000  $\chi^2/\text{NDF}$ : 5229.7/13

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

Right Out: -61.886+/-0.066  $\chi^2/\text{NDF}$ : 2910.7/16

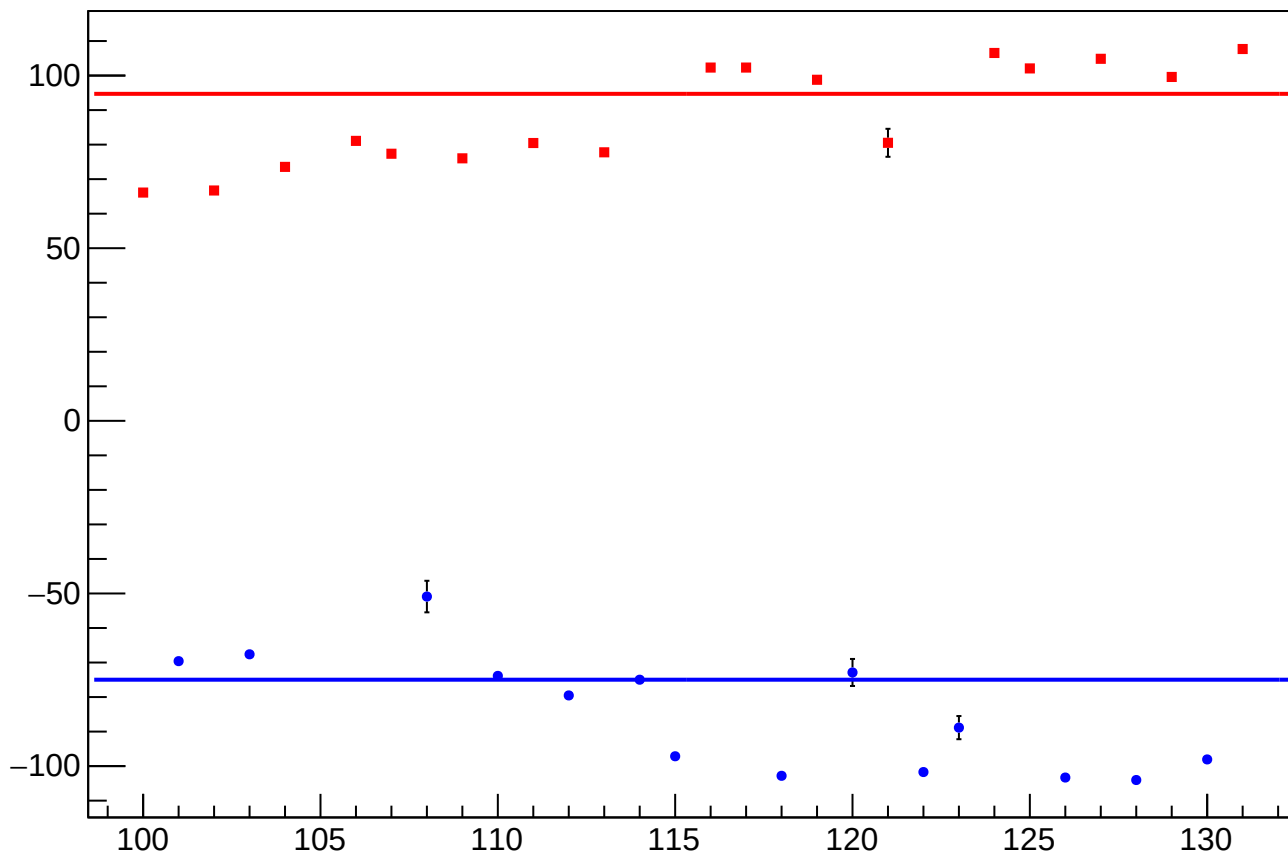
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

57.510+/-0.000  $\chi^2/\text{NDF}$ : 5229.7/13

57.510+/-0.000  $\chi^2/\text{NDF}$ : 3255161.1/30

-61.886+/-0.066  $\chi^2/\text{NDF}$ : 2910.7/16

# dit\_sam8\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-74.974 \pm 0.000$   $\chi^2/\text{NDF}: 88096.0/13$

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

Right Out:  $94.706 \pm 0.069$   $\chi^2/\text{NDF}: 36555.4/16$

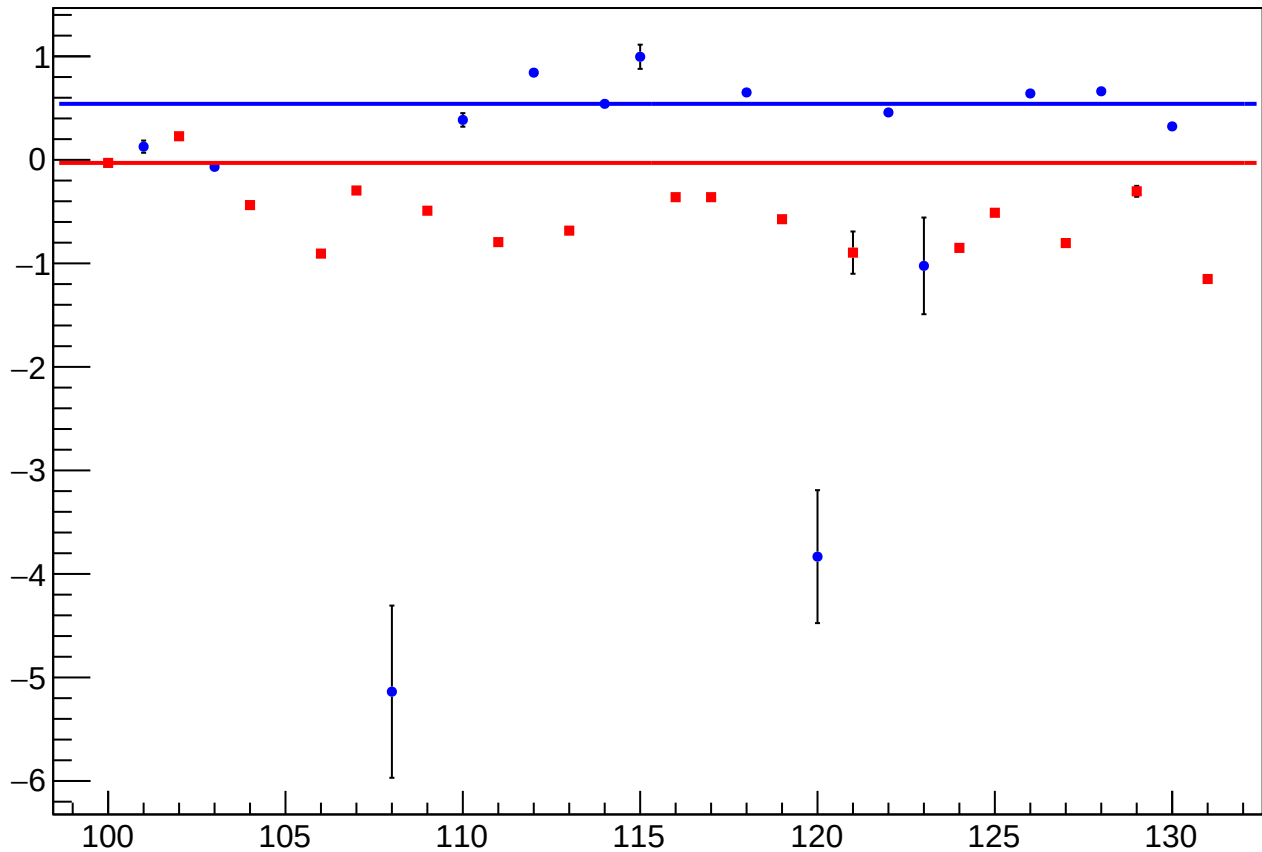
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-74.974 \pm 0.000$   $\chi^2/\text{NDF}: 88096.0/13$

$-74.974 \pm 0.000$   $\chi^2/\text{NDF}: 6159448.9/30$

$94.706 \pm 0.069$   $\chi^2/\text{NDF}: 36555.4/16$

dit\_sam8\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.000  $\chi^2/\text{NDF}$ : 1687.7/13

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

Right Out: -0.030+/-0.000  $\chi^2/\text{NDF}$ : 20889.6/16

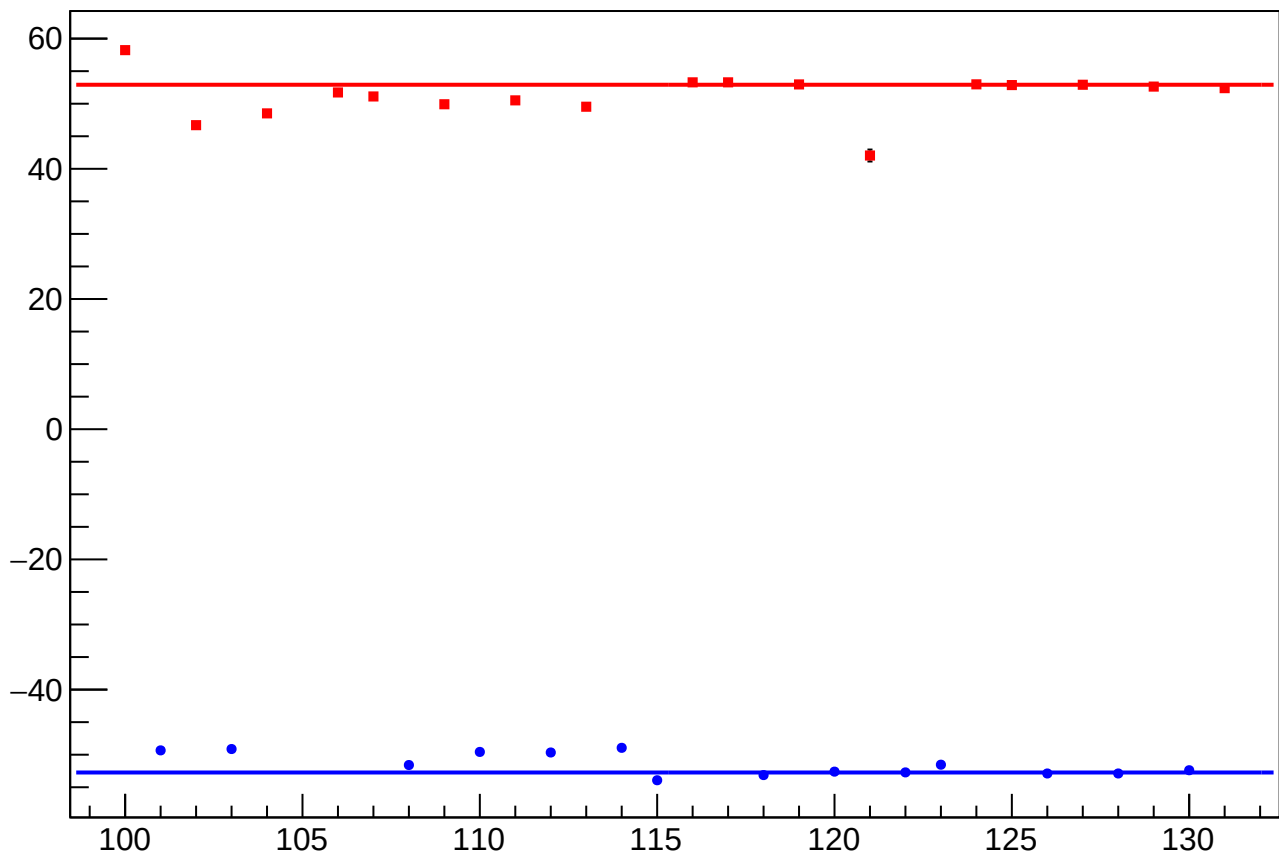
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.541+/-0.000  $\chi^2/\text{NDF}$ : 1687.7/13

-0.028+/-0.000  $\chi^2/\text{NDF}$ : 29006030357409

-0.030+/-0.000  $\chi^2/\text{NDF}$ : 20889.6/16

# dit\_sam8\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-52.733 \pm 0.004$   $\chi^2/\text{NDF}$ : 20963.3/13

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

Right Out:  $52.912 \pm 0.003$   $\chi^2/\text{NDF}$ : 17373.2/16

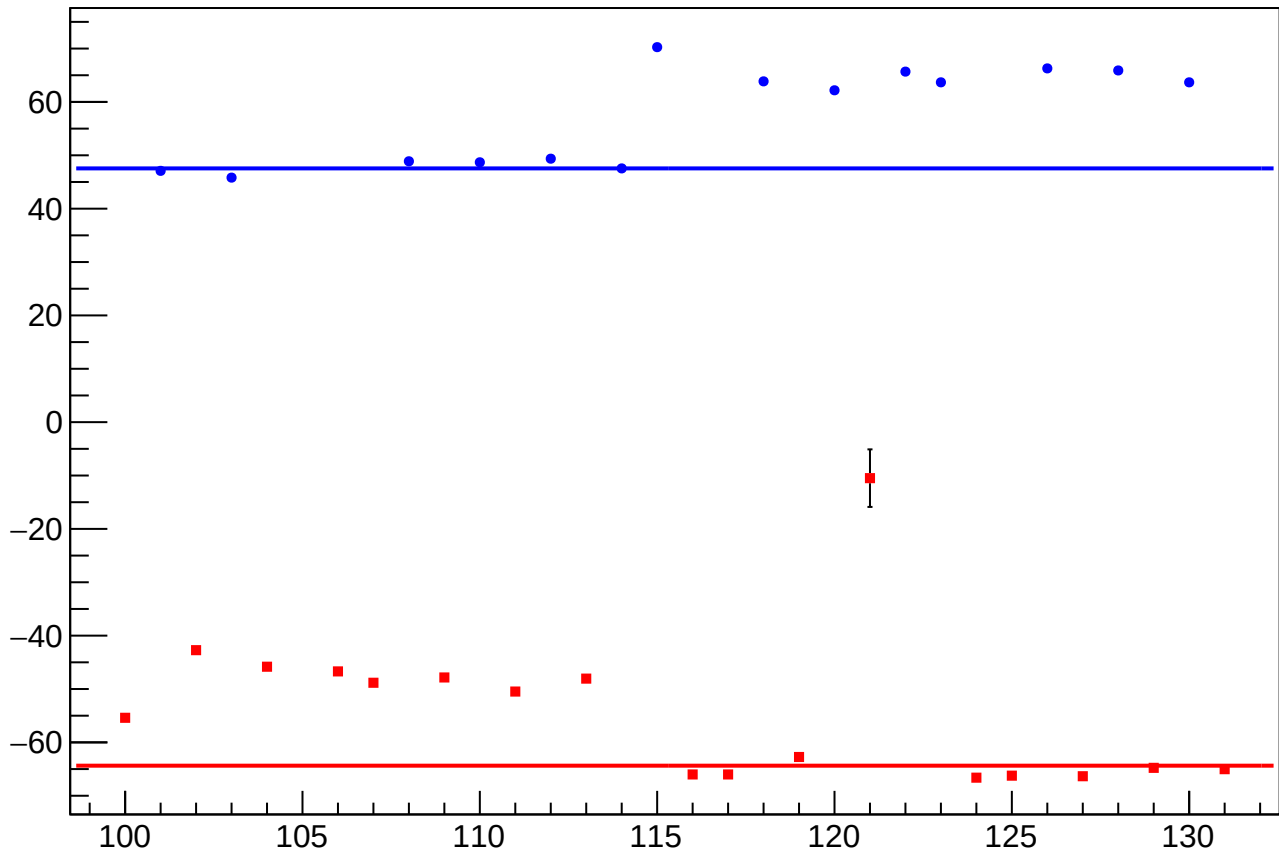
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-52.733 \pm 0.004$   $\chi^2/\text{NDF}$ : 20963.3/13

$21.009 \pm 0.002$   $\chi^2/\text{NDF}$ : 431539544.0/30

$52.912 \pm 0.003$   $\chi^2/\text{NDF}$ : 17373.2/16

# dit\_sam8\_4eY\_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000  $\chi^2$ /NDF: 1976227.5/13

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

Right Out: -64.365+/-0.009  $\chi^2$ /NDF: 267052.3/16

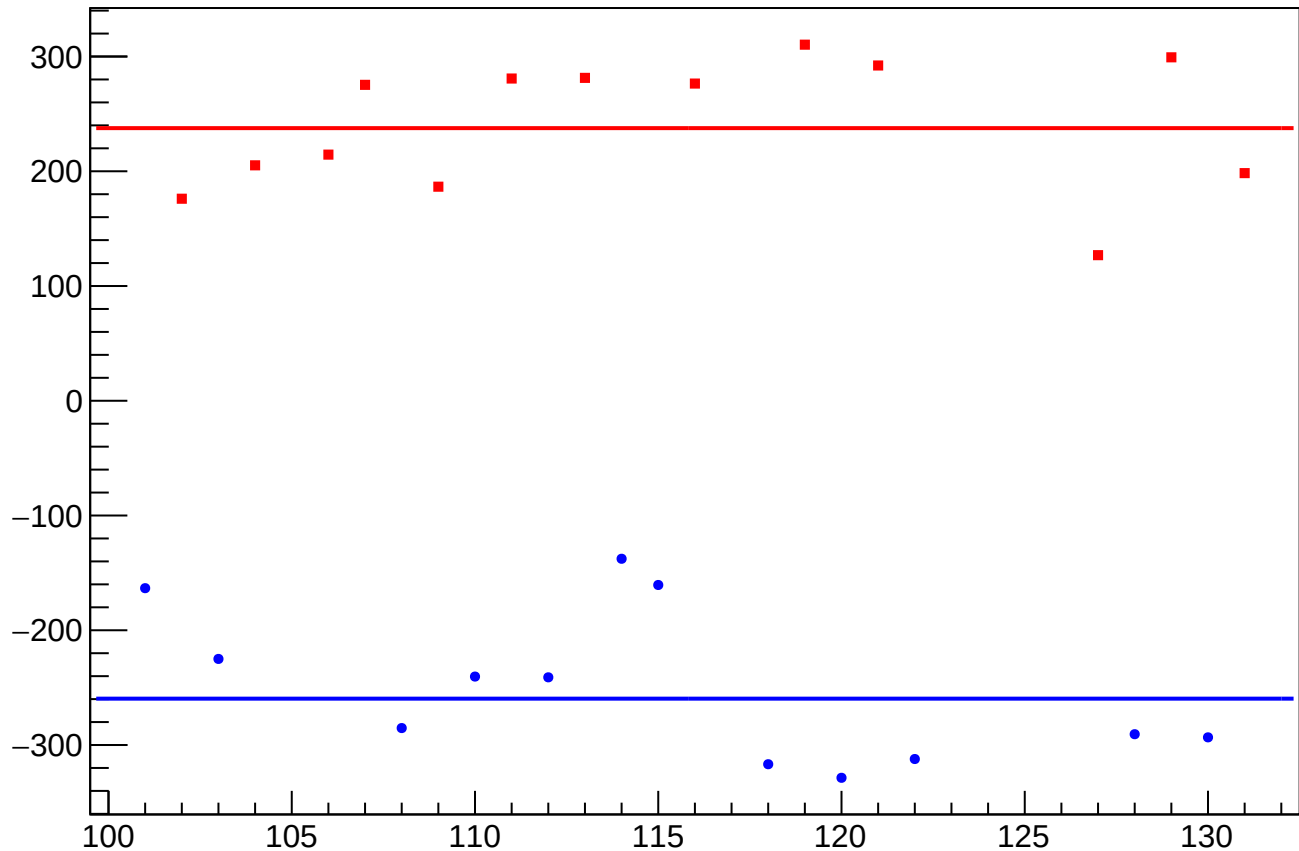
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

47.545+/-0.000  $\chi^2$ /NDF: 1976227.5/13

47.545+/-0.000  $\chi^2$ /NDF: 166971337.7/30

-64.365+/-0.009  $\chi^2$ /NDF: 267052.3/16

# dit\_4aX\_coil1\_mean vs Slug, Sign Corrected



Right In: -259.600+/-0.000  $\chi^2/\text{NDF}$ : 1530859273779263296604739270820757504.0/11

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

Right Out: 237.588+/-0.000  $\chi^2/\text{NDF}$ : 1820038817247470967214288870886604800.0/12

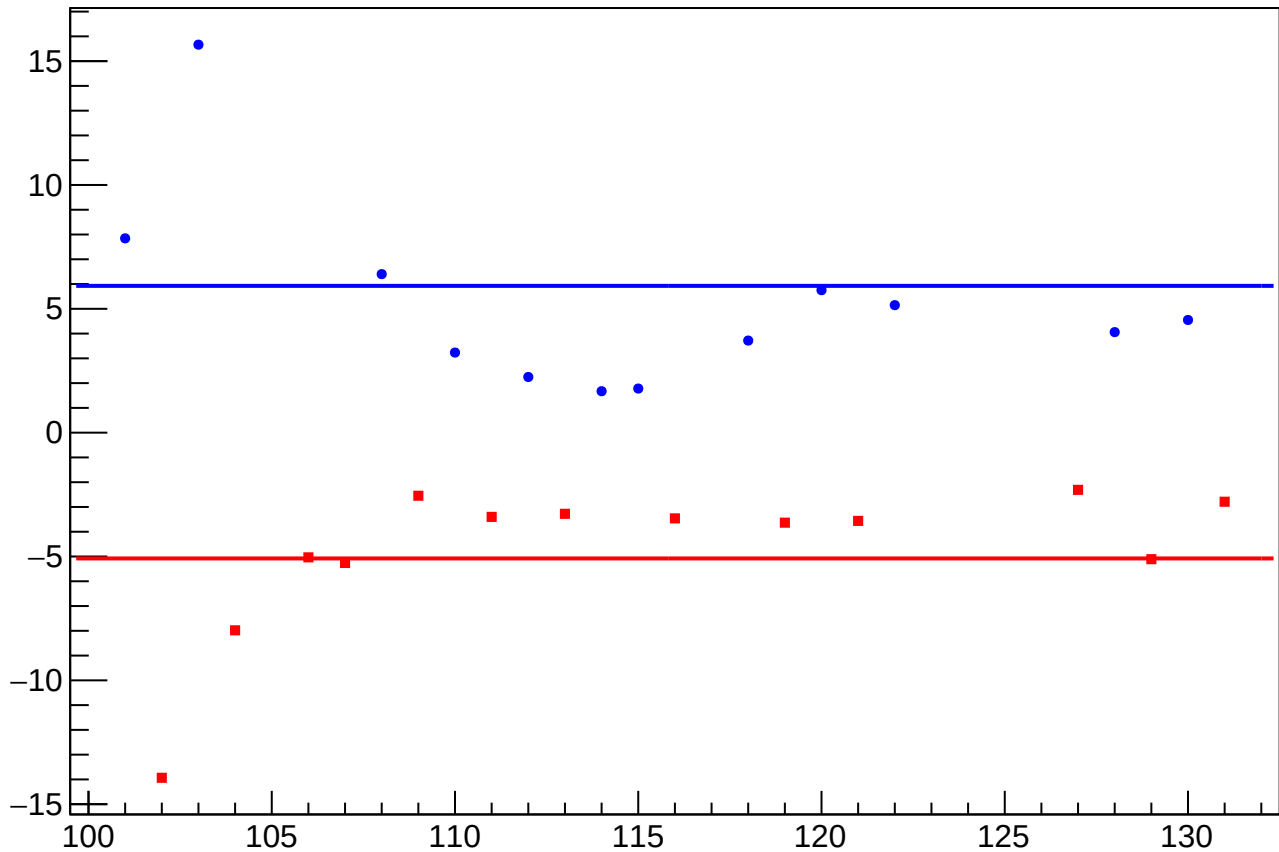
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-259.600+/-0.000  $\chi^2/\text{NDF}$ : 1530859273779263

2.400+/-0.000  $\chi^2/\text{NDF}$ : 68482527375563

237.588+/-0.000  $\chi^2/\text{NDF}$ : 18200388172474709

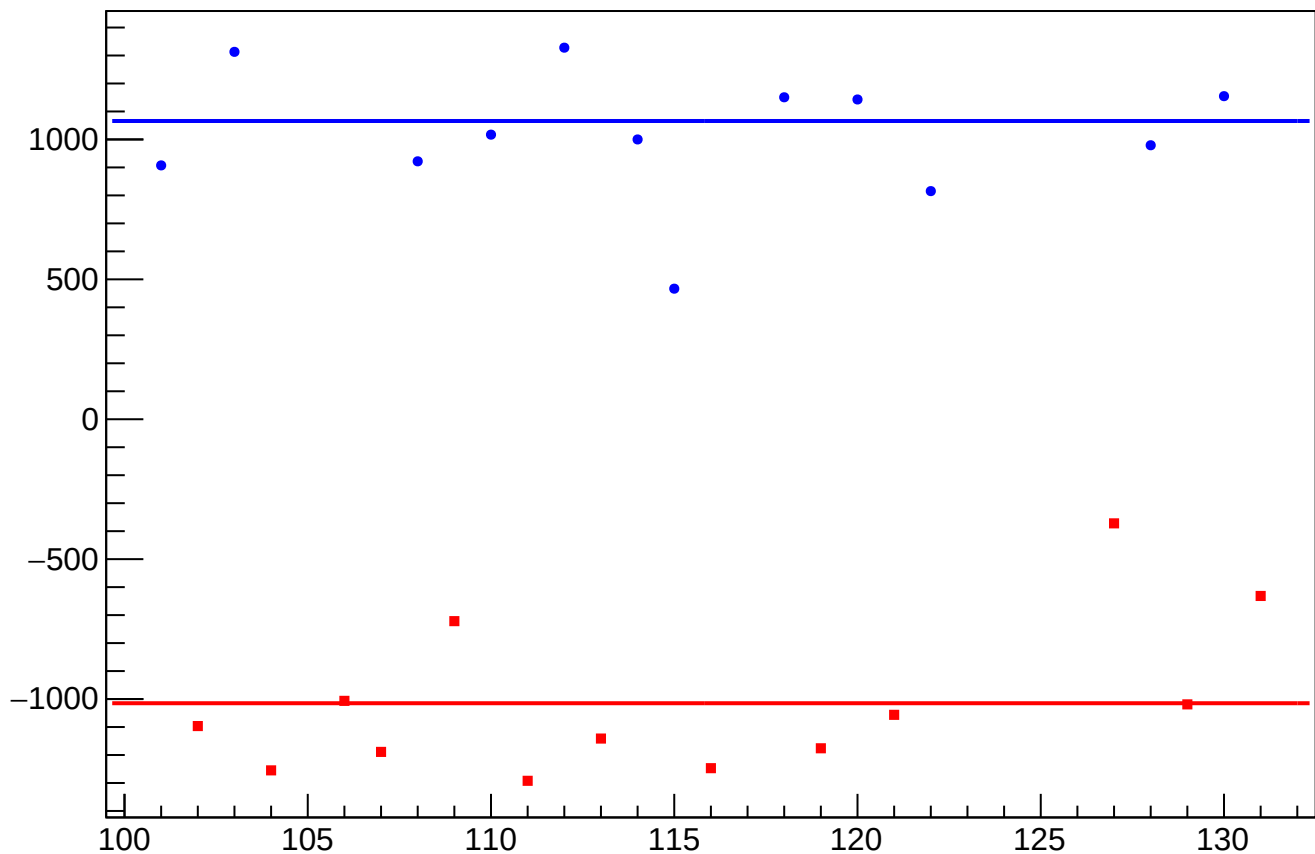
dit\_4aX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 5.927 $\pm$ 0.000  $\chi^2$ /NDF: 7742490577933243380509003944558592.0/11  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -5.078 $\pm$ 0.000  $\chi^2$ /NDF: 6375093231285067900602028784615424.0/12  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_4aX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

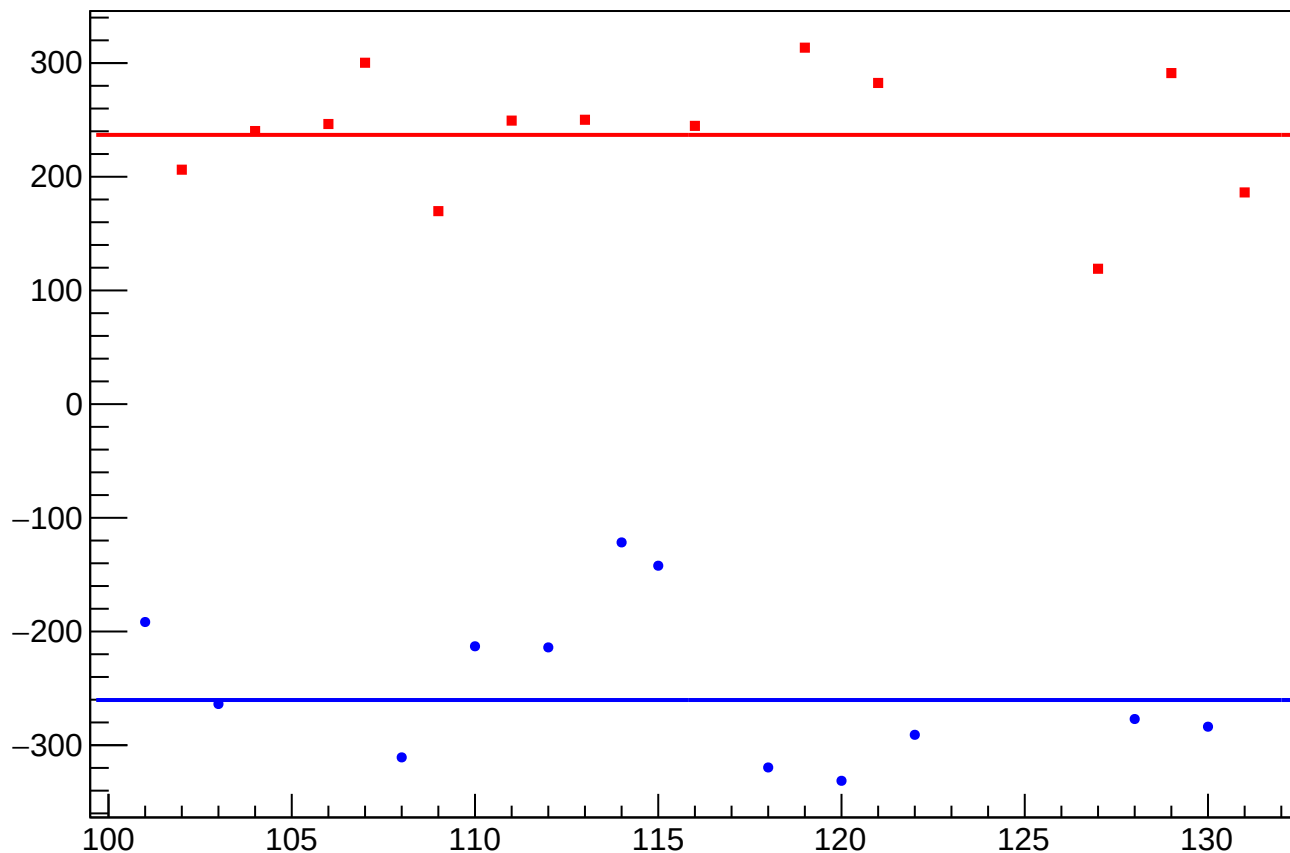
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

dit\_4eX\_coil1\_mean vs Slug, Sign Corrected



Right In: -260.268+/-0.000  $\chi^2/\text{NDF}$ : 1401073588393225466130459087637315584.0/11

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

Right Out: 236.824+/-0.000  $\chi^2/\text{NDF}$ : 1654035913850816367685582757411422208.0/12

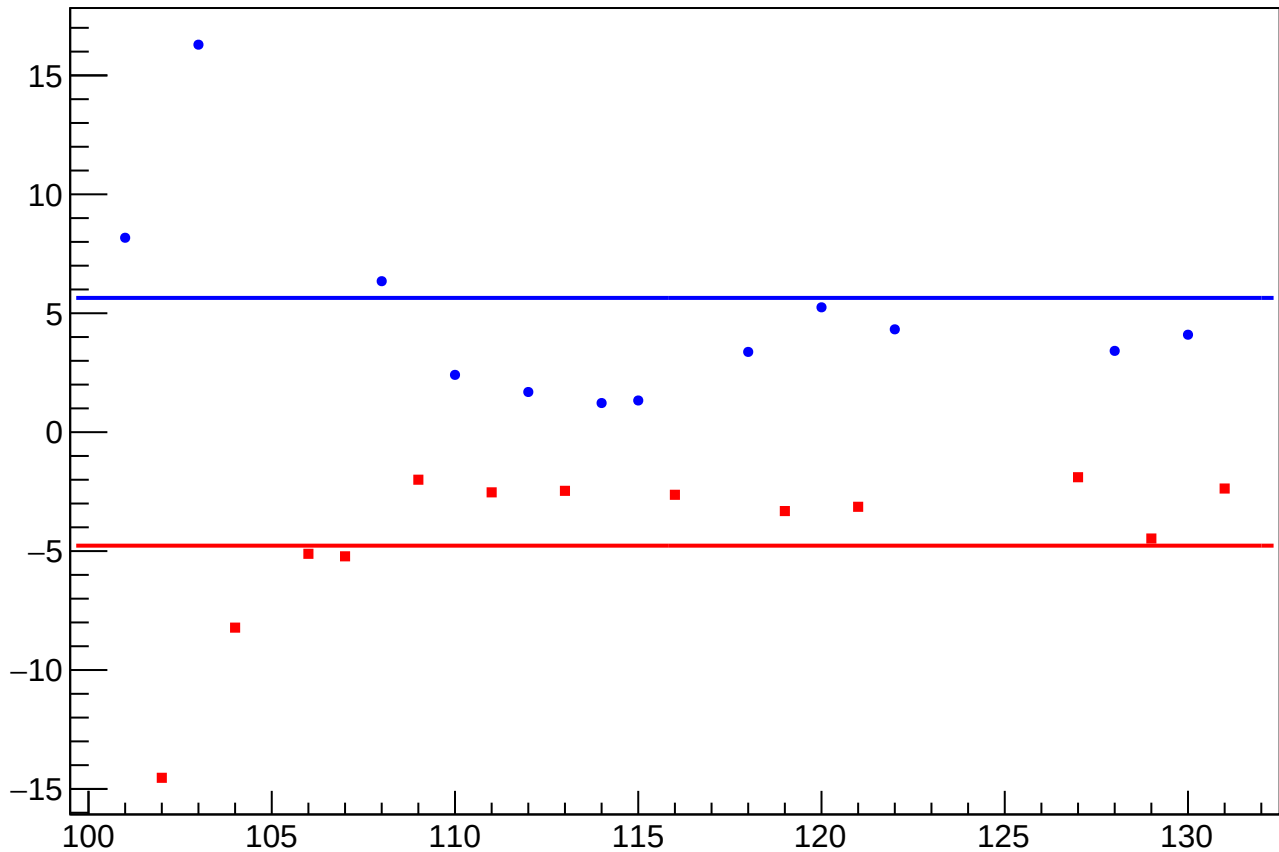
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-260.268+/-0.000  $\chi^2/\text{NDF}$ : 1401073588393225

1.681+/-0.000  $\chi^2/\text{NDF}$ : 68161649537280

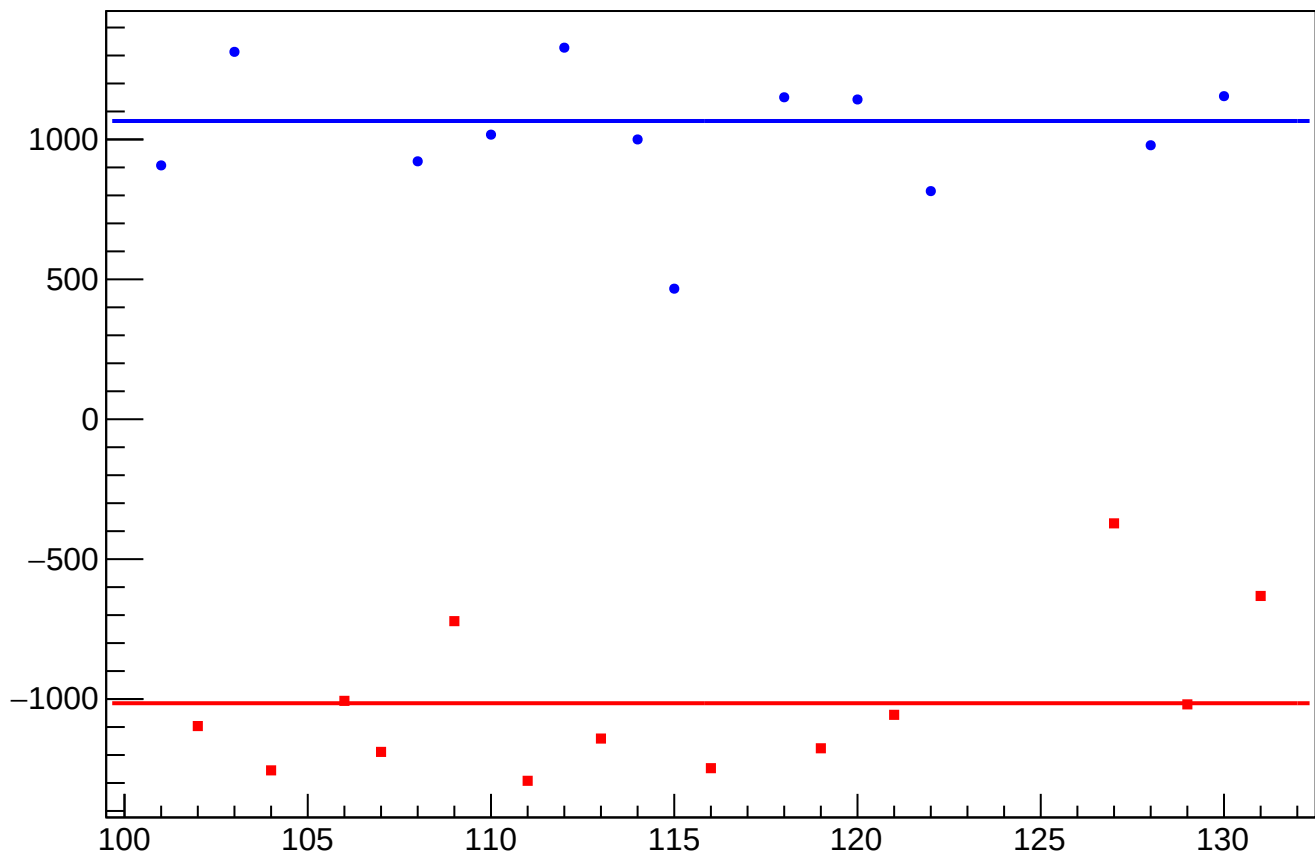
236.824+/-0.000  $\chi^2/\text{NDF}$ : 16540359138508163

dit\_4eX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 5.645 $\pm$ 0.000  $\chi^2$ /NDF: 9430531403696931017085817207128064.0/11  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: -4.771 $\pm$ 0.000  $\chi^2$ /NDF: 7911292799785907703358397505077248.0/12  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

dit\_4eX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

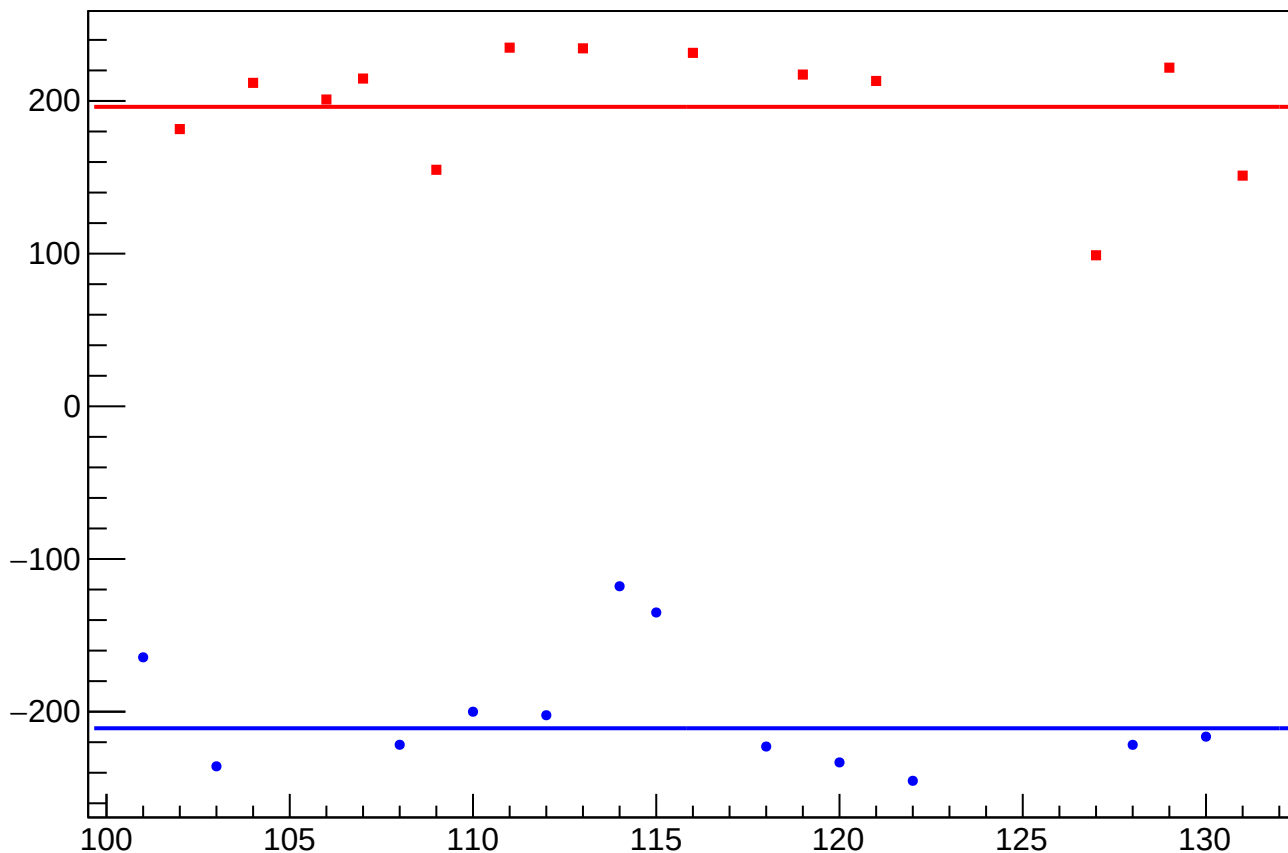
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

# dit\_11X12X\_coil1\_mean vs Slug, Sign Corrected



Right In: -210.864+/-0.000  $\chi^2/\text{NDF}$ : 430505365404570224594682403323117568.0/11

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

Right Out: 196.153+/-0.000  $\chi^2/\text{NDF}$ : 836472771098235026138008677813059584.0/12

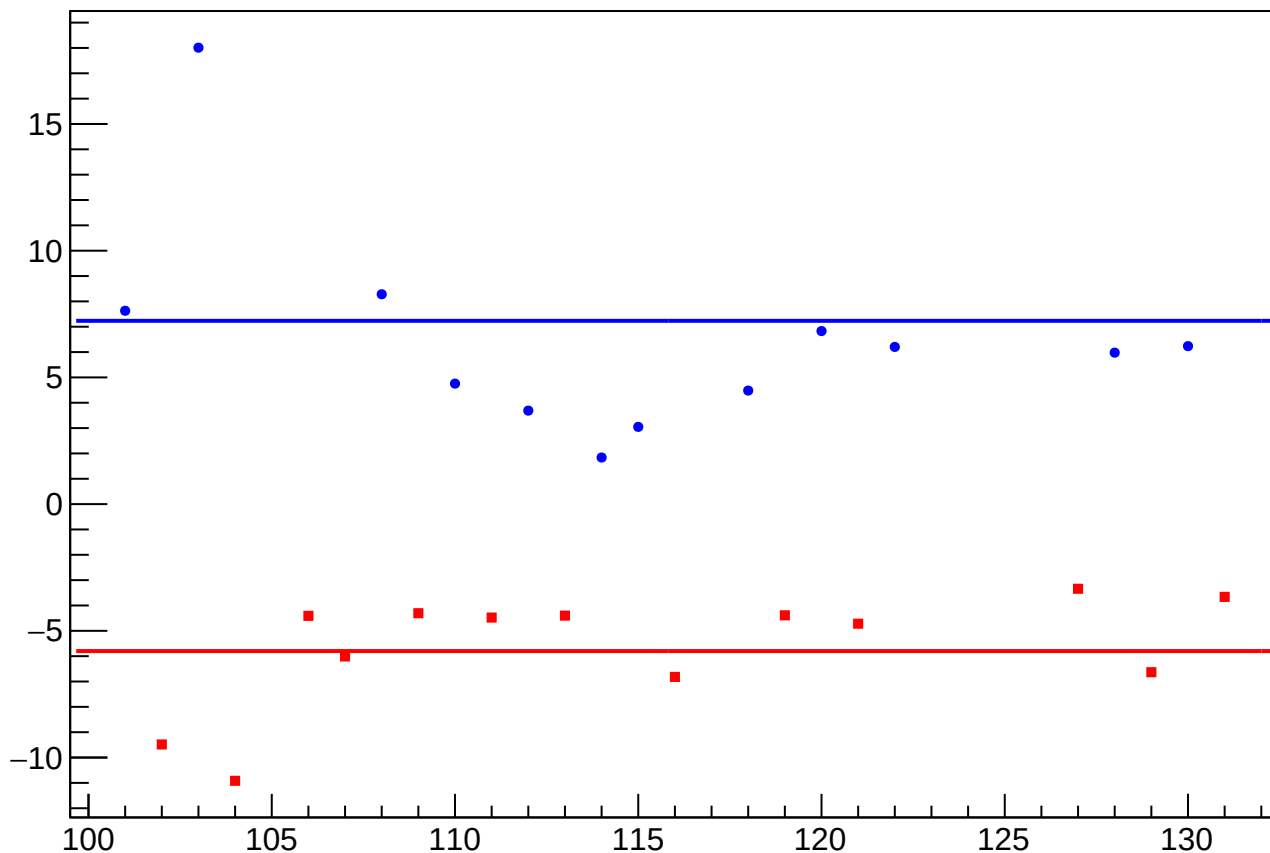
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-210.864+/-0.000  $\chi^2/\text{NDF}$ : 4305053654045702

3.619+/-0.000  $\chi^2/\text{NDF}$ : 44915889880164

196.153+/-0.000  $\chi^2/\text{NDF}$ : 83647277109823502

dit\_11X12X\_coil1\_err\_mean vs Slug, Sign Corrected



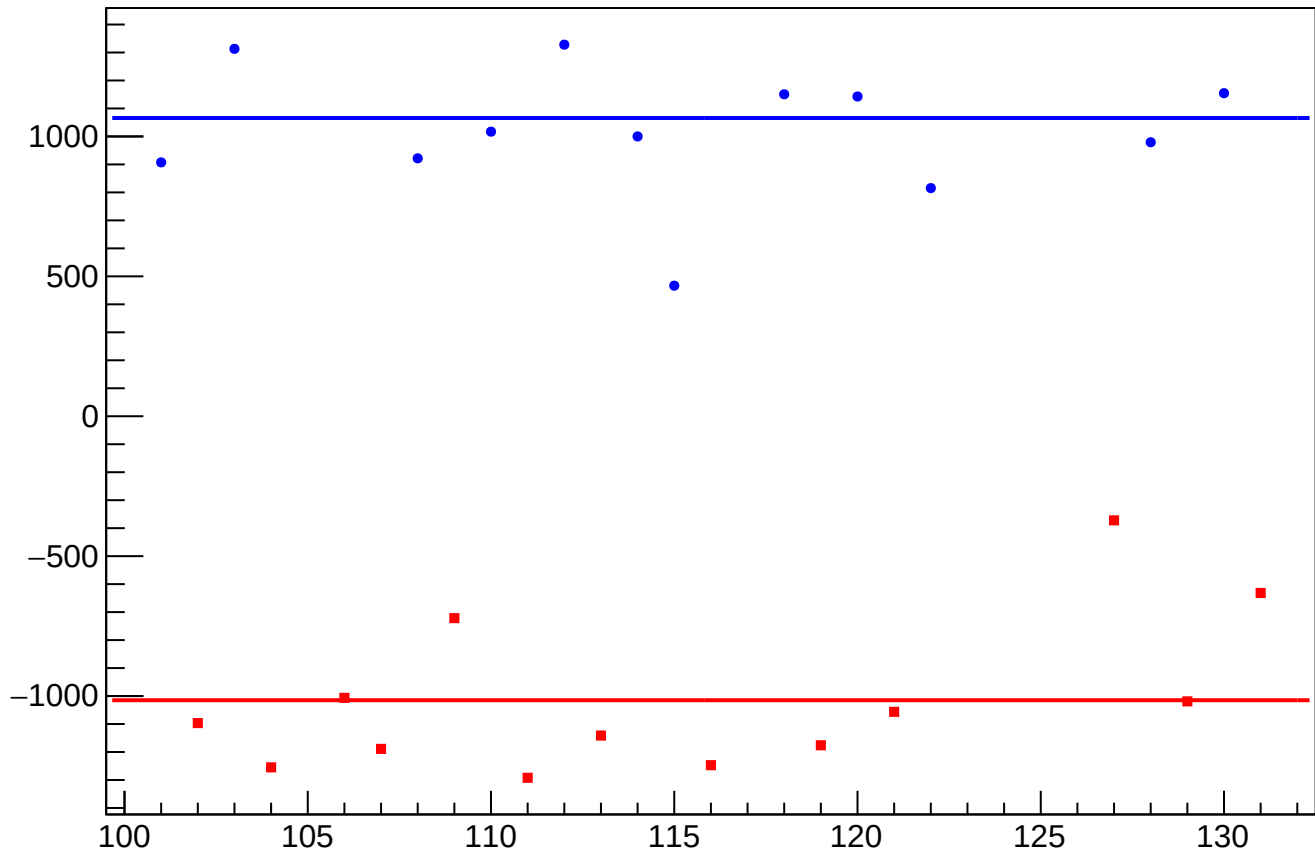
Right In: 7.233+/-0.000  $\chi^2/\text{NDF}$ : 8888155931109819235168016767385600.0/11

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

Right Out: -5.798+/-0.000  $\chi^2/\text{NDF}$ : 3104892957385935260855219198623744.0/12

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

dit\_11X12X\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

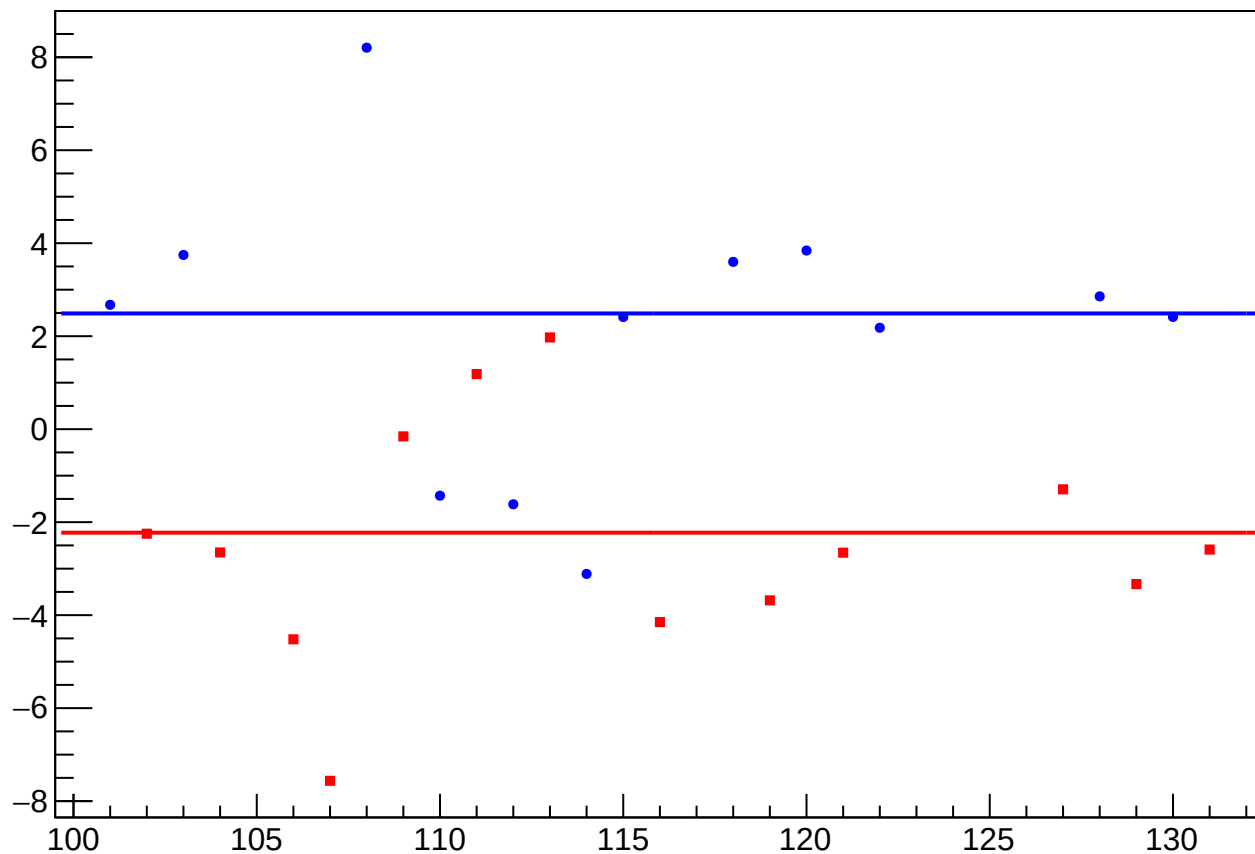
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

dit\_4aY\_coil1\_mean vs Slug, Sign Corrected



Right In: 2.489+/-0.000  $\chi^2/\text{NDF}$ : 3233336934077529298535011982508032.0/11

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

Right Out: -2.226+/-0.000  $\chi^2/\text{NDF}$ : 3046994096274379148600577976434688.0/12

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

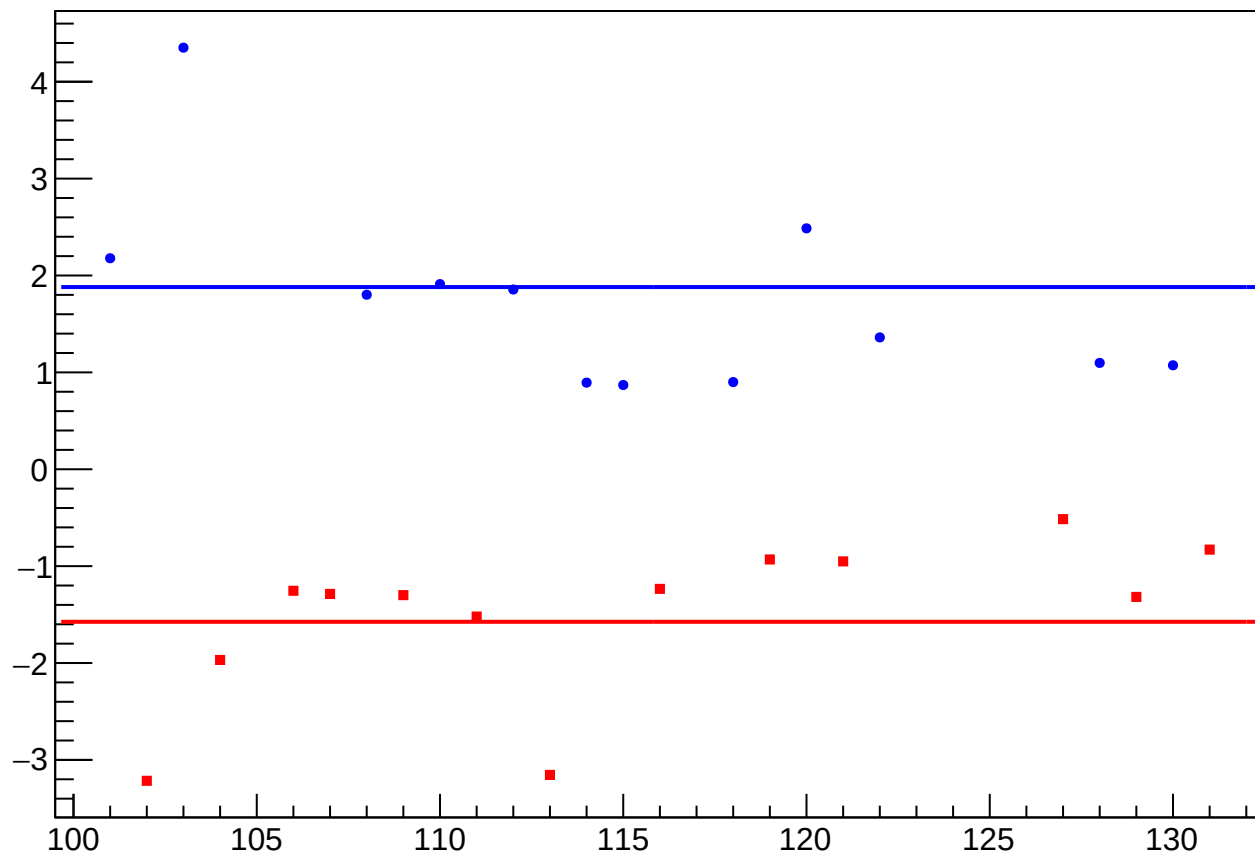
2.489+/-0.000  $\chi^2/\text{NDF}$ : 3233336934077529298535011982508032.0/11

0.005+/-0.000  $\chi^2/\text{NDF}$ : 12138347112174

-2.226+/-0.000  $\chi^2/\text{NDF}$ : 3046994096274379148600577976434688.0/12



dit\_4aY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1.881+/-0.000  $\chi^2/\text{NDF}$ : 531300570867039966189406595842048.0/11

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

Right Out: -1.575+/-0.000  $\chi^2/\text{NDF}$ : 401012612579758445410690829123584.0/12

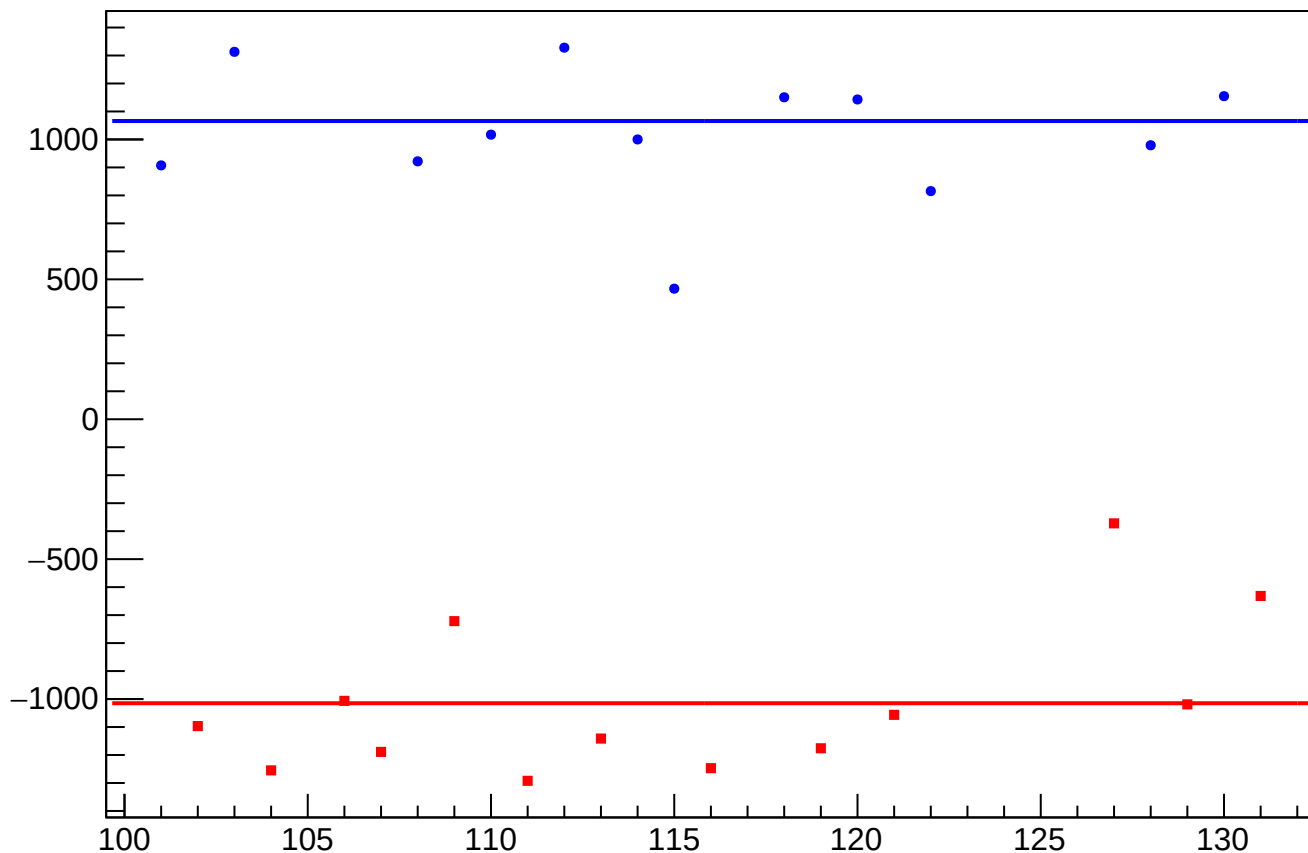
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.881+/-0.000  $\chi^2/\text{NDF}$ : 5313005708670399661

0.060+/-0.000  $\chi^2/\text{NDF}$ : 40777504021105

-1.575+/-0.000  $\chi^2/\text{NDF}$ : 401012612579758445

dit\_4aY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

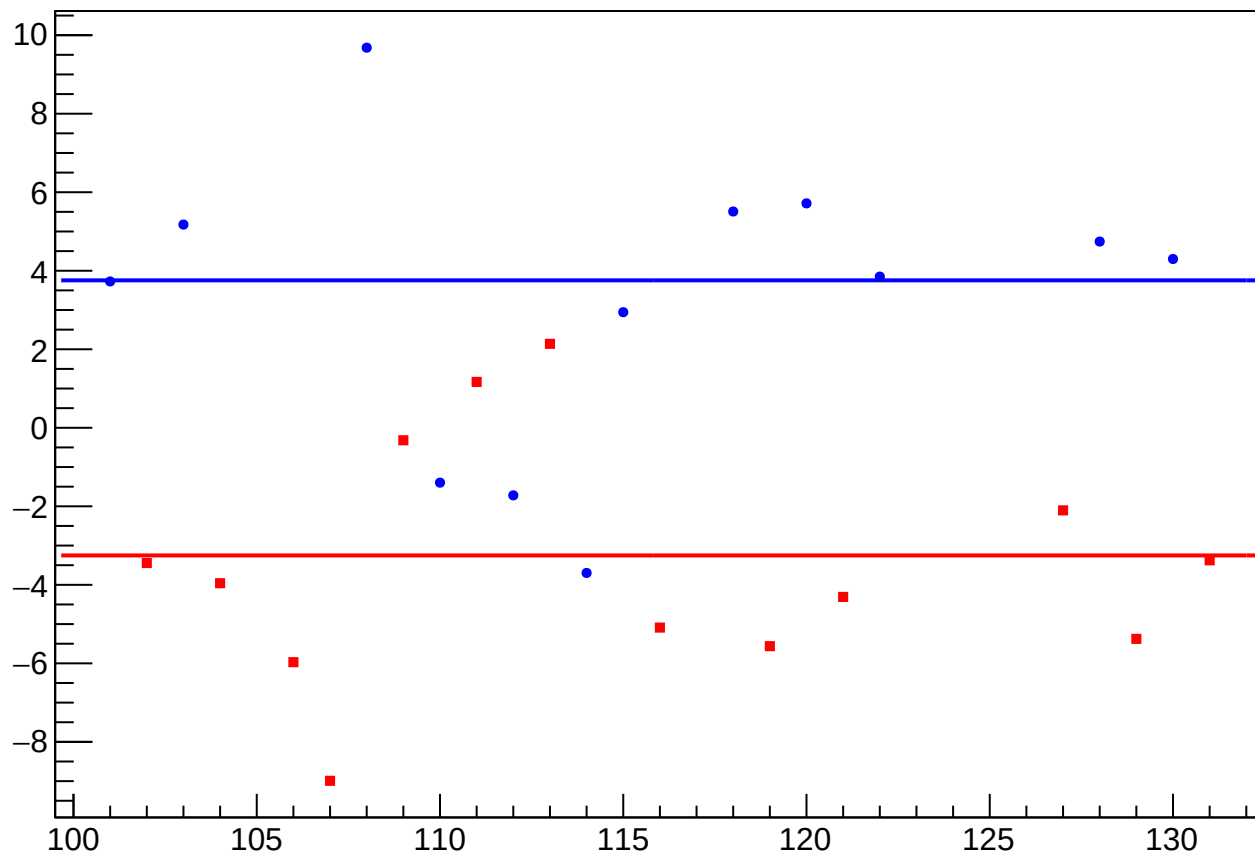
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

# dit\_4eY\_coil1\_mean vs Slug, Sign Corrected



Right In: 3.755+/-0.000  $\chi^2/\text{NDF}$ : 4920380486078848061932284504178688.0/11

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

Right Out: -3.251+/-0.000  $\chi^2/\text{NDF}$ : 4733644332654978127531142981615616.0/12

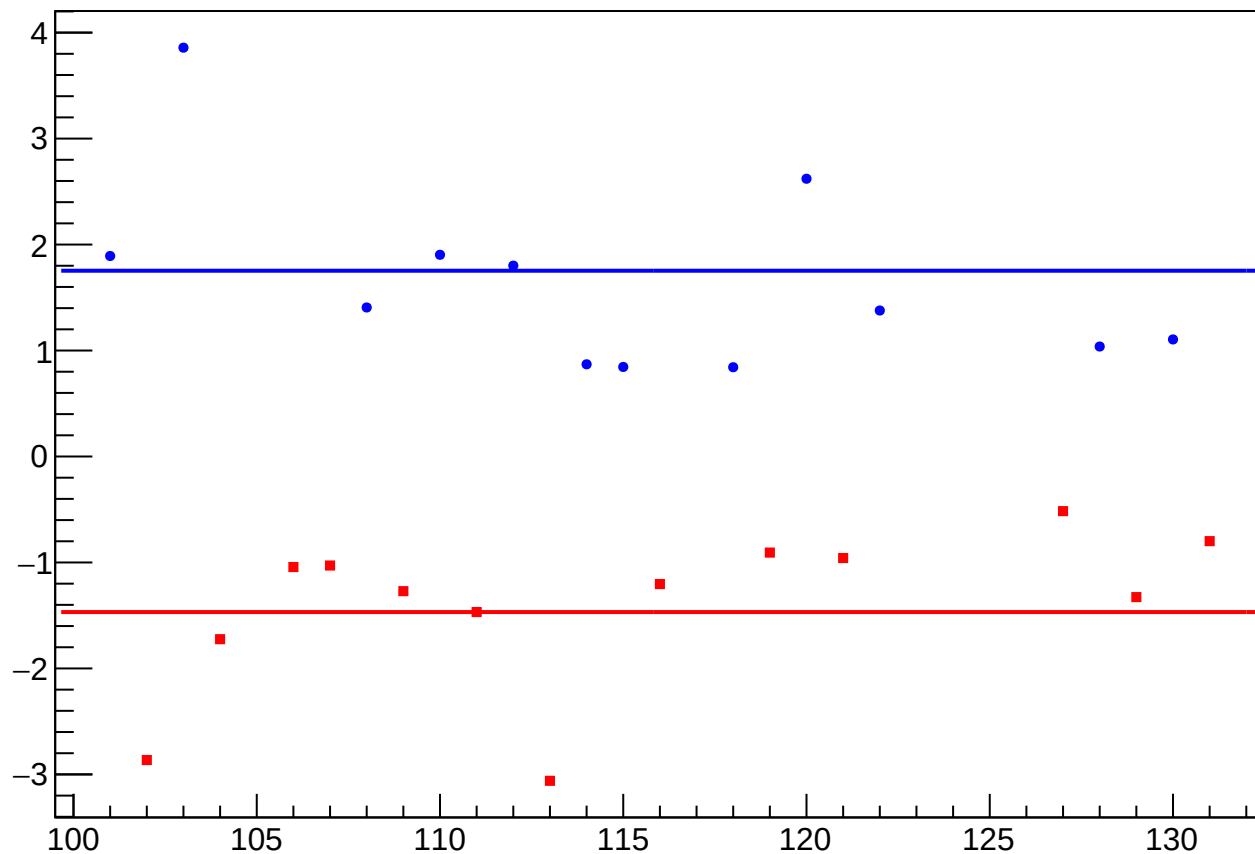
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.755+/-0.000  $\chi^2/\text{NDF}$ : 4920380486078848061932284504178688.0/11

0.063+/-0.000  $\chi^2/\text{NDF}$ : 22588706521616

-3.251+/-0.000  $\chi^2/\text{NDF}$ : 4733644332654978127531142981615616.0/12

dit\_4eY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1.753+/-0.000  $\chi^2/\text{NDF}$ : 412448543726664324069245352673280.0/11

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

Right Out: -1.468+/-0.000  $\chi^2/\text{NDF}$ : 332796001637621382052519348273152.0/12

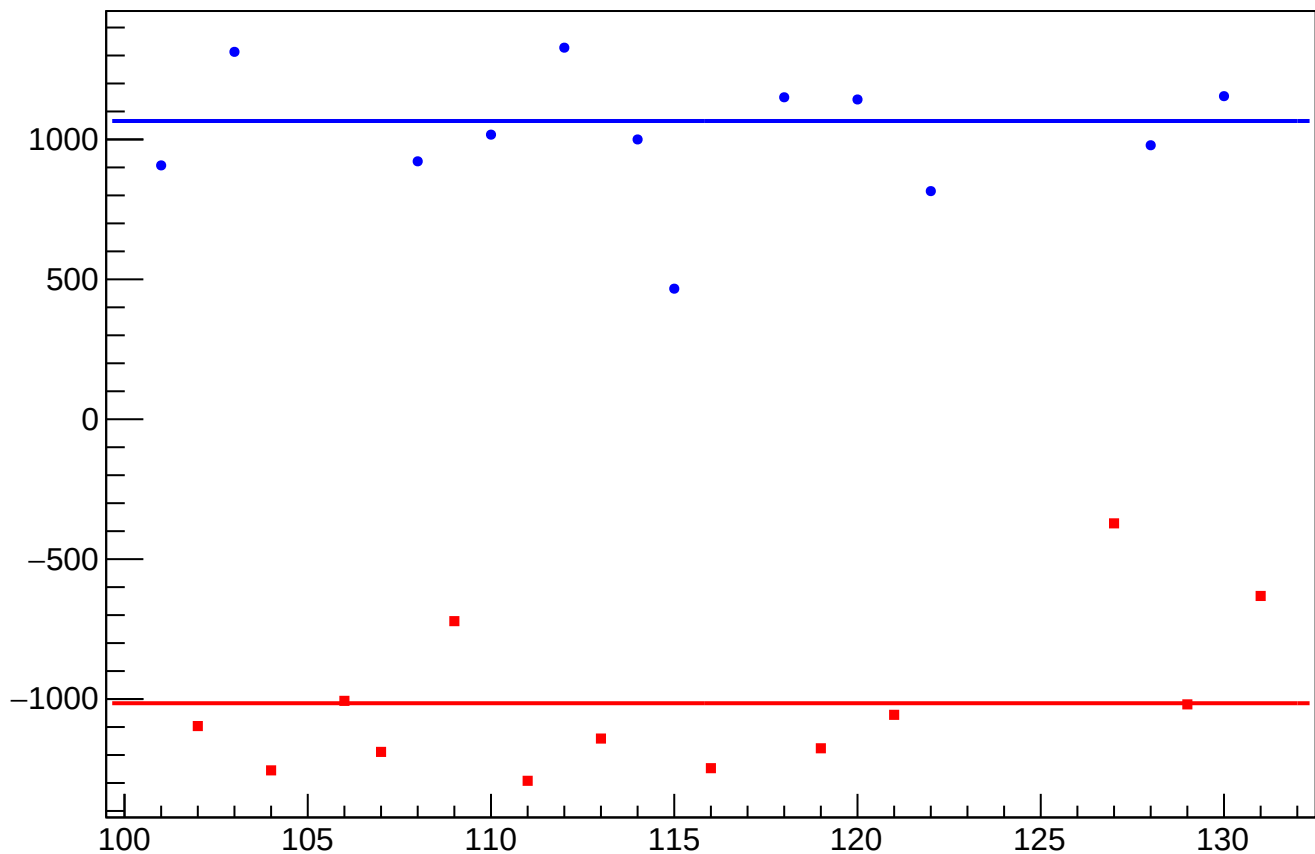
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.753+/-0.000  $\chi^2/\text{NDF}$ : 412448543726664324069245352673280.0/11

0.056+/-0.000  $\chi^2/\text{NDF}$ : 34788985355898

-1.468+/-0.000  $\chi^2/\text{NDF}$ : 332796001637621382052519348273152.0/12

dit\_4eY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

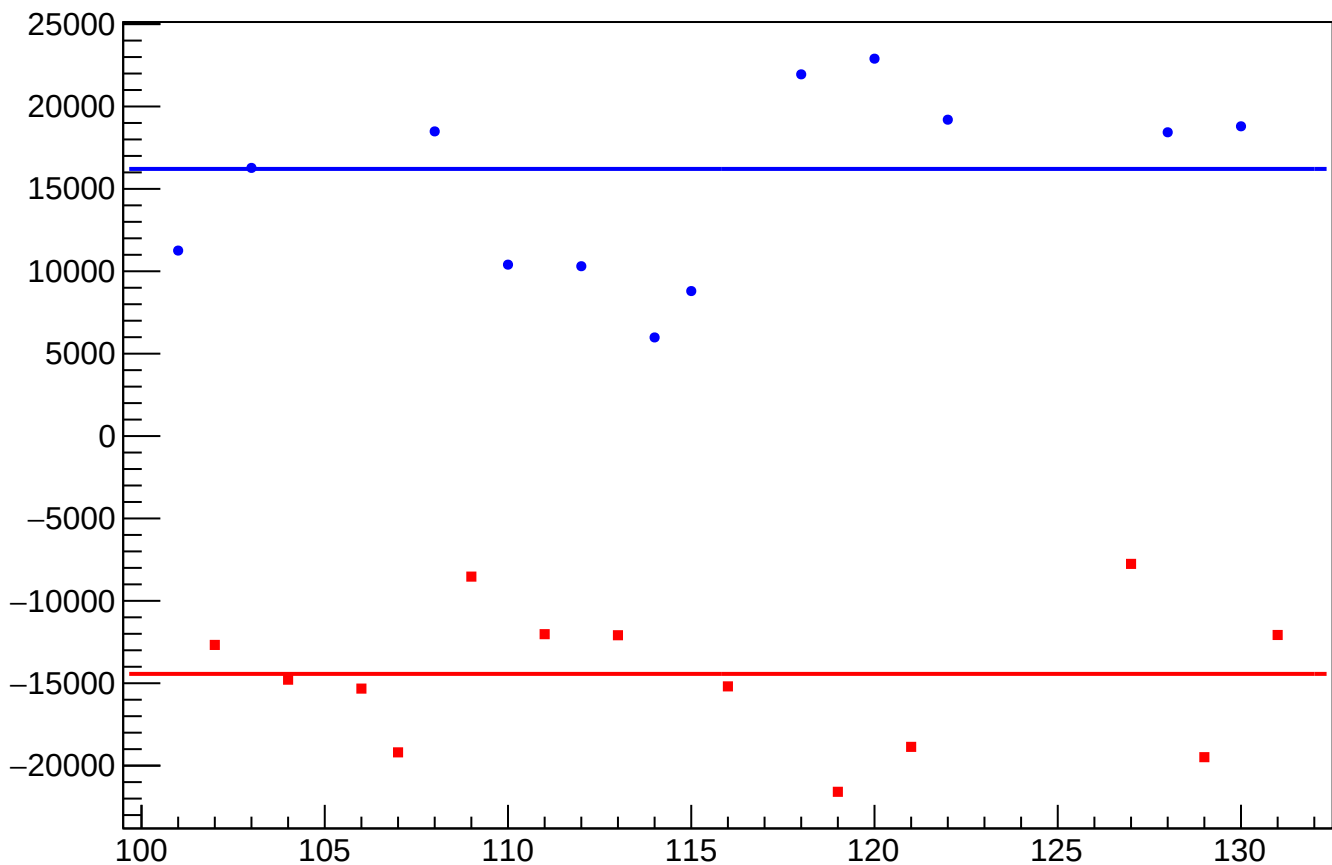
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

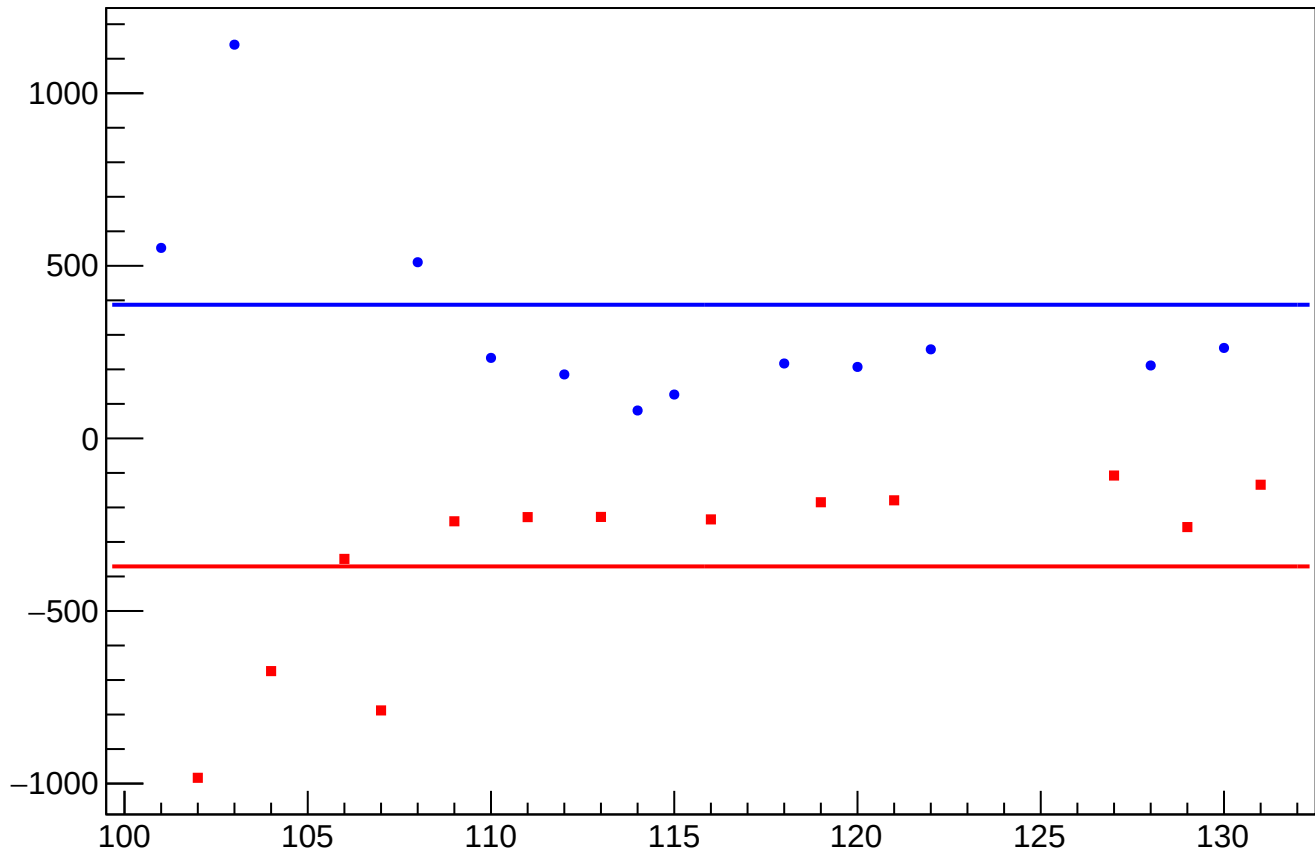
-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

dit\_usl\_coil1\_mean vs Slug, Sign Corrected



Right In: 16211.155+/-0.000  $\chi^2/\text{NDF}$ : 10750679165566489241866162467181518913536.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -14432.807+/-0.000  $\chi^2/\text{NDF}$ : 9955374303644972878523718621914170654720.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 387.205+/-0.000  $\chi^2/\text{NDF}$ : 46308523022308787350716425813798944768.0/11

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

Right Out: -370.874+/-0.000  $\chi^2/\text{NDF}$ : 44804909877458044410918041140225638400.0/12

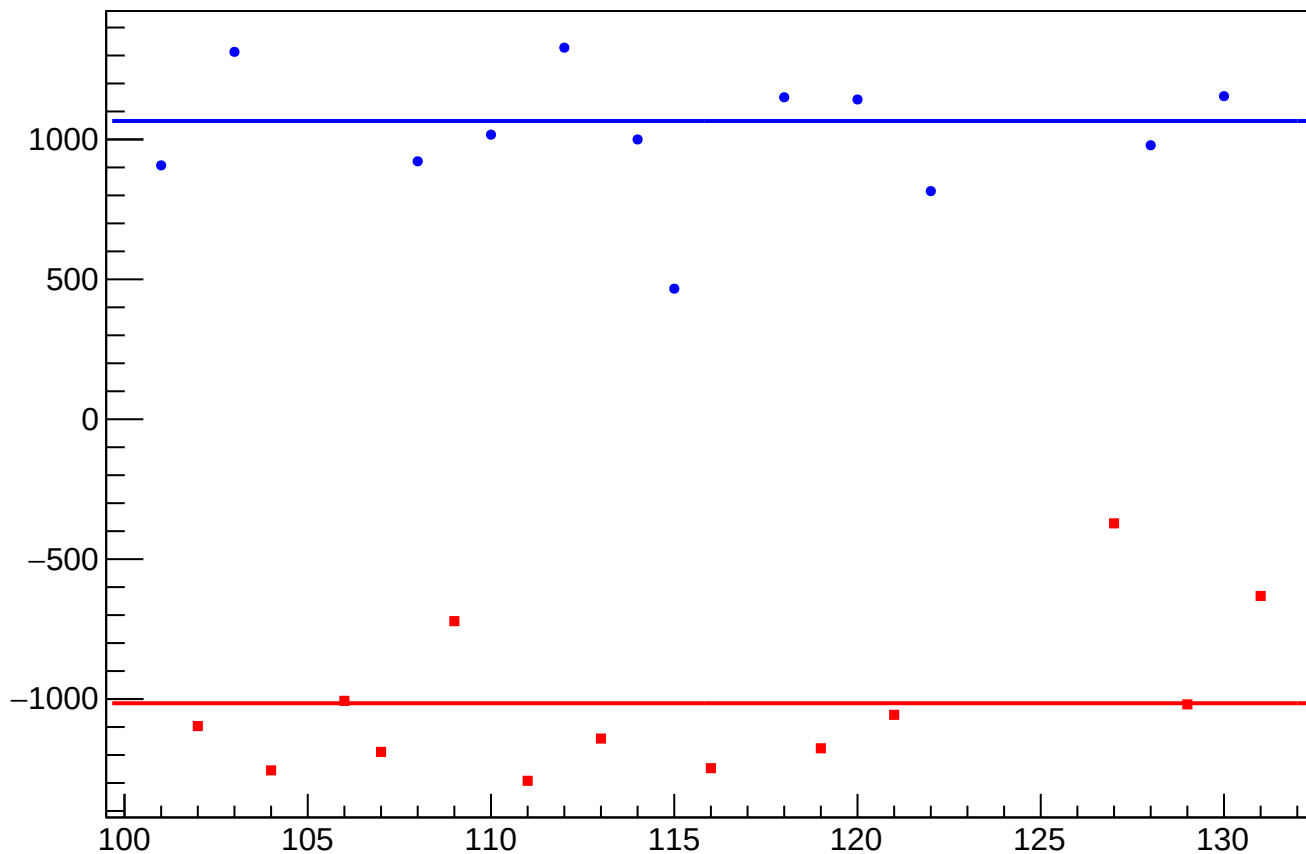
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

387.205+/-0.000  $\chi^2/\text{NDF}$ : 46308523022308787350716425813798944768.0/11

-12.275+/-0.000  $\chi^2/\text{NDF}$ : 242532080355

-370.874+/-0.000  $\chi^2/\text{NDF}$ : 44804909877458044410918041140225638400.0/12

dit\_usl\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

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

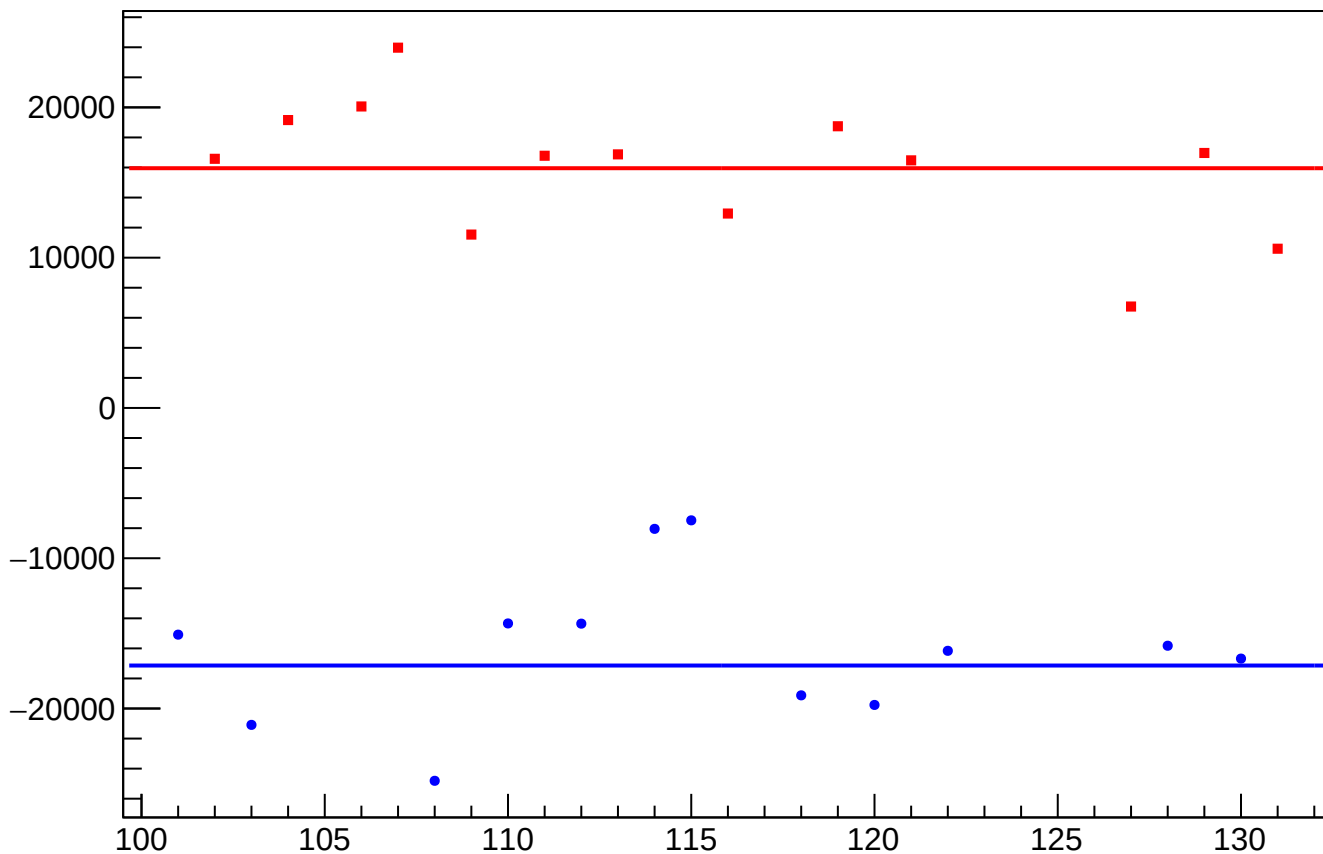
1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830



# dit\_usr\_coil1\_mean vs Slug, Sign Corrected



Right In: -17139.757+/-0.000  $\chi^2/\text{NDF}$ : 6770203435197630255659607612862431756288.0/11

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

Right Out: 15952.736+/-0.000  $\chi^2/\text{NDF}$ : 9878232168011543326990625374127821684736.0/12

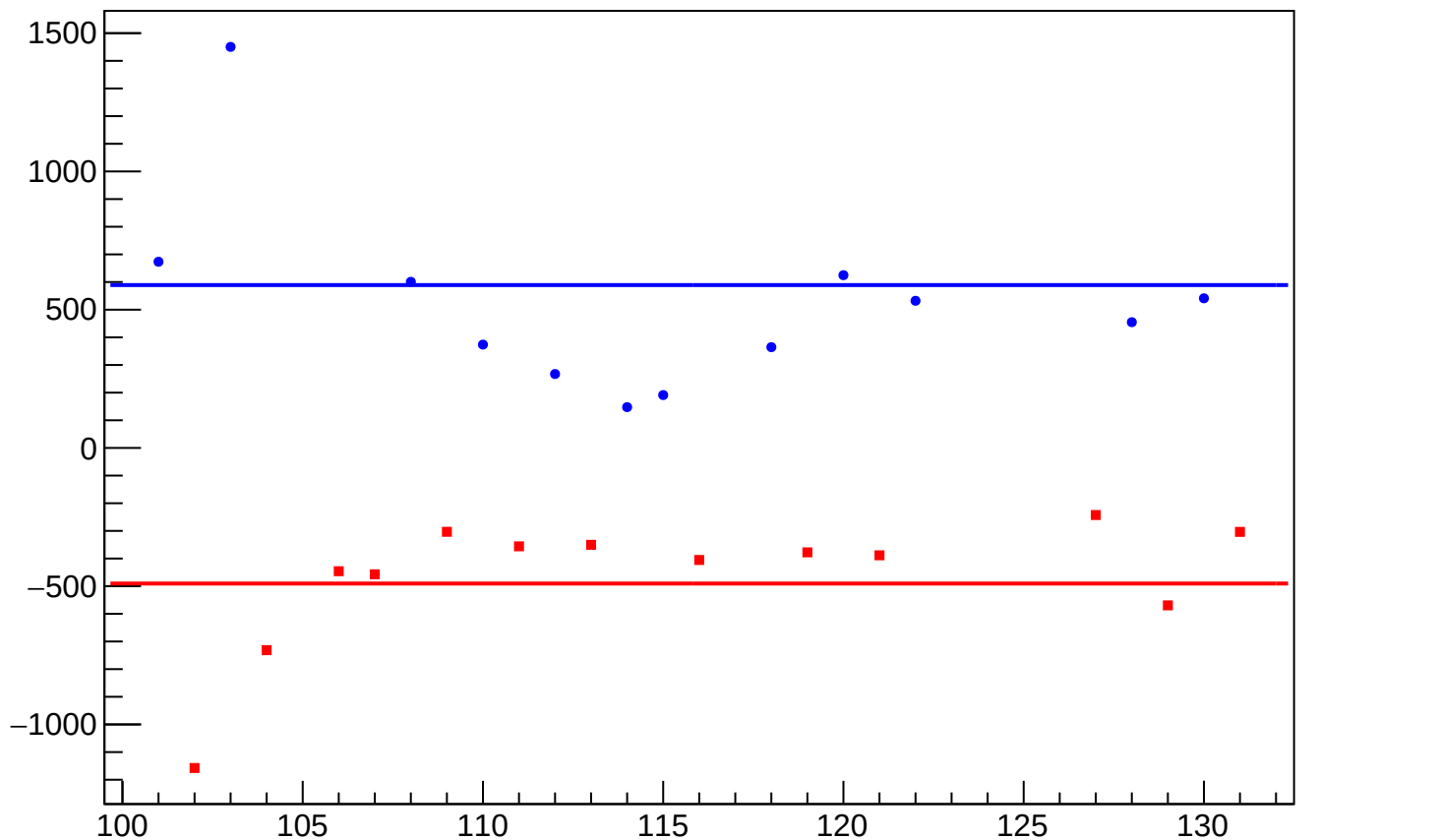
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-17139.757+/-0.000  $\chi^2/\text{NDF}$ : 67702034351976

298.766+/-0.000  $\chi^2/\text{NDF}$ : 305190521040

15952.736+/-0.000  $\chi^2/\text{NDF}$ : 987823216801154

dit\_usr\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 589.062+/-0.000  $\chi^2/\text{NDF}$ : 59132218799186455623791278985001828352.0/11

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

Right Out: -490.410+/-0.000  $\chi^2/\text{NDF}$ : 37850433635874546320940292811658362880.0/12

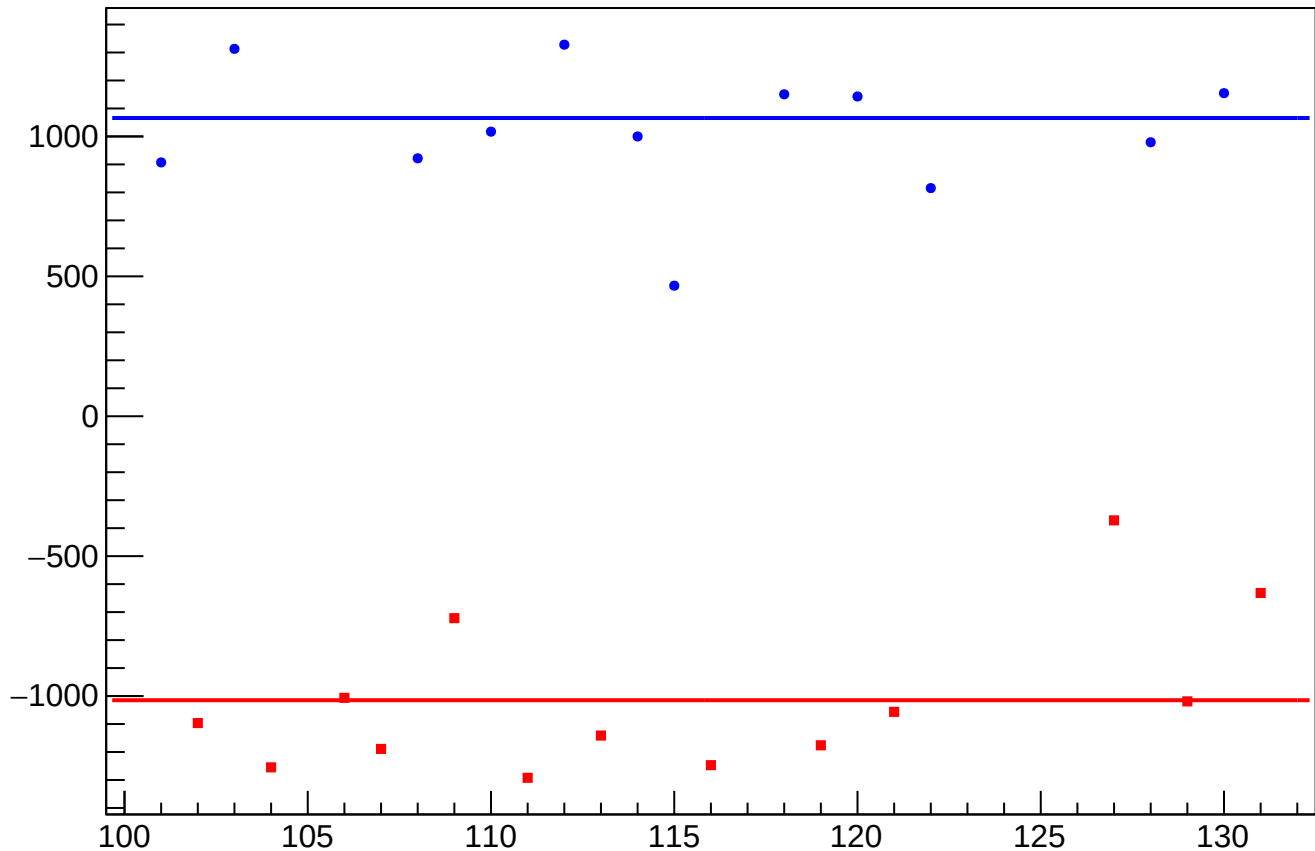
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

589.062+/-0.000  $\chi^2/\text{NDF}$ : 59132218799186455623791278985001828352.0/11

20.220+/-0.000  $\chi^2/\text{NDF}$ : 4040073775381

-490.410+/-0.000  $\chi^2/\text{NDF}$ : 37850433635874546320940292811658362880.0/12

dit\_usr\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

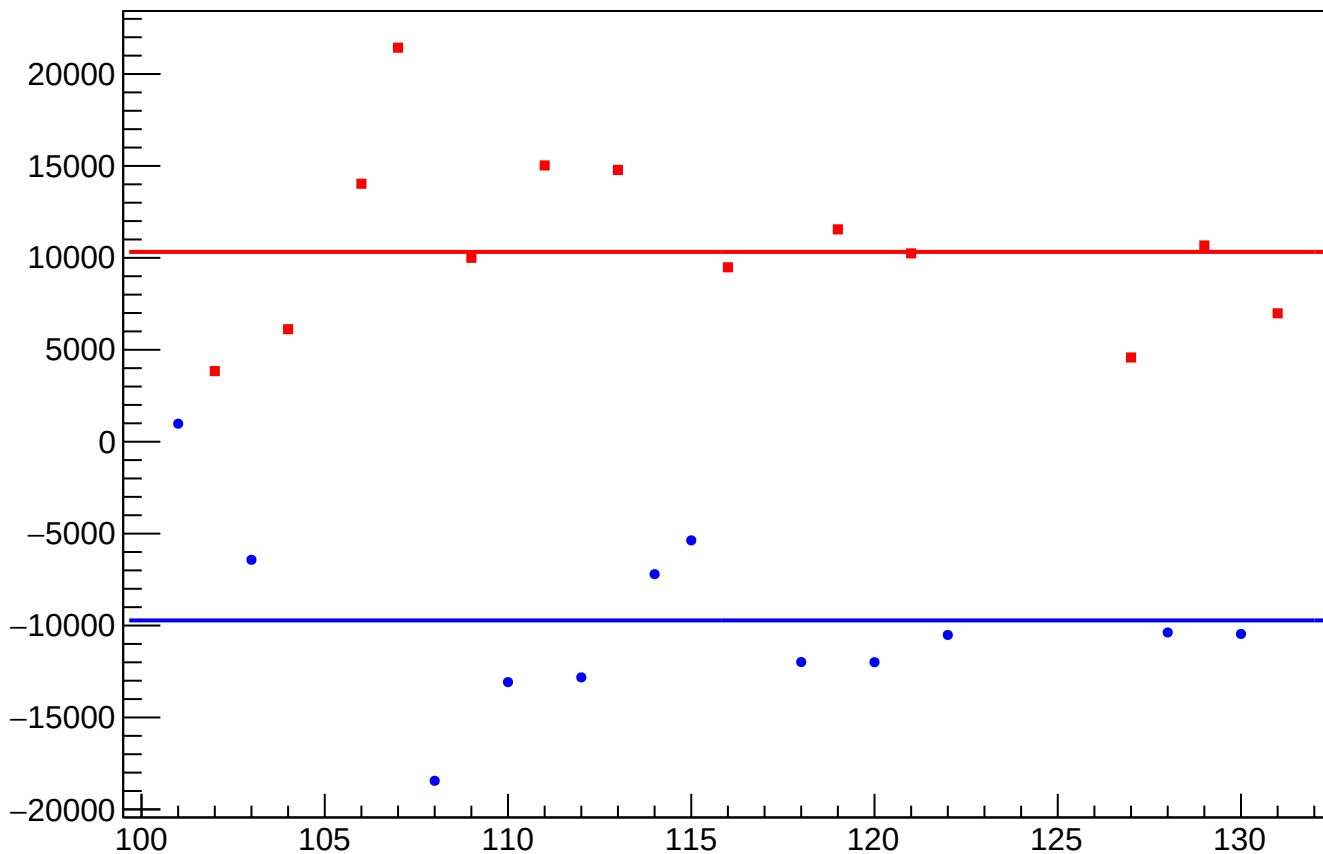
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

# dit\_atl1\_coil1\_mean vs Slug, Sign Corrected



Right In: -9720.501+/-0.000  $\chi^2/\text{NDF}$ : 11990419791402864773658829988982809427968.0/11

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

Right Out: 10323.227+/-0.000  $\chi^2/\text{NDF}$ : 12045500029472171823627703622530974613504.0/12

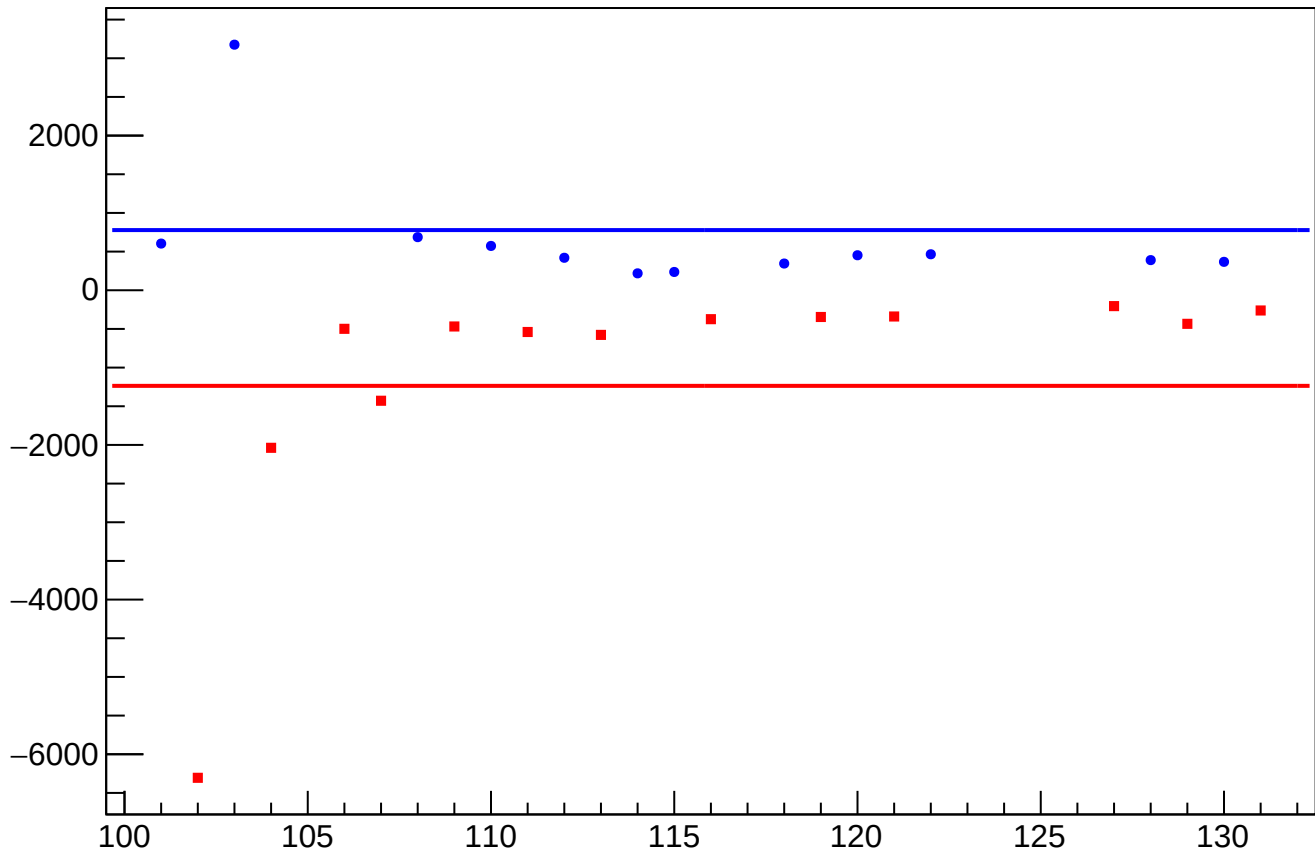
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9720.501+/-0.000  $\chi^2/\text{NDF}$ : 119904197914028

841.804+/-0.000  $\chi^2/\text{NDF}$ : 129889905890

10323.227+/-0.000  $\chi^2/\text{NDF}$ : 12045500029472

dit\_atl1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 778.074+/-0.000  $\chi^2/\text{NDF}$ : 390946392869966121560593790191804612608.0/11

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

Right Out: -1236.173+/-0.000  $\chi^2/\text{NDF}$ : 1812984511414462880416958662286552072192.0/12

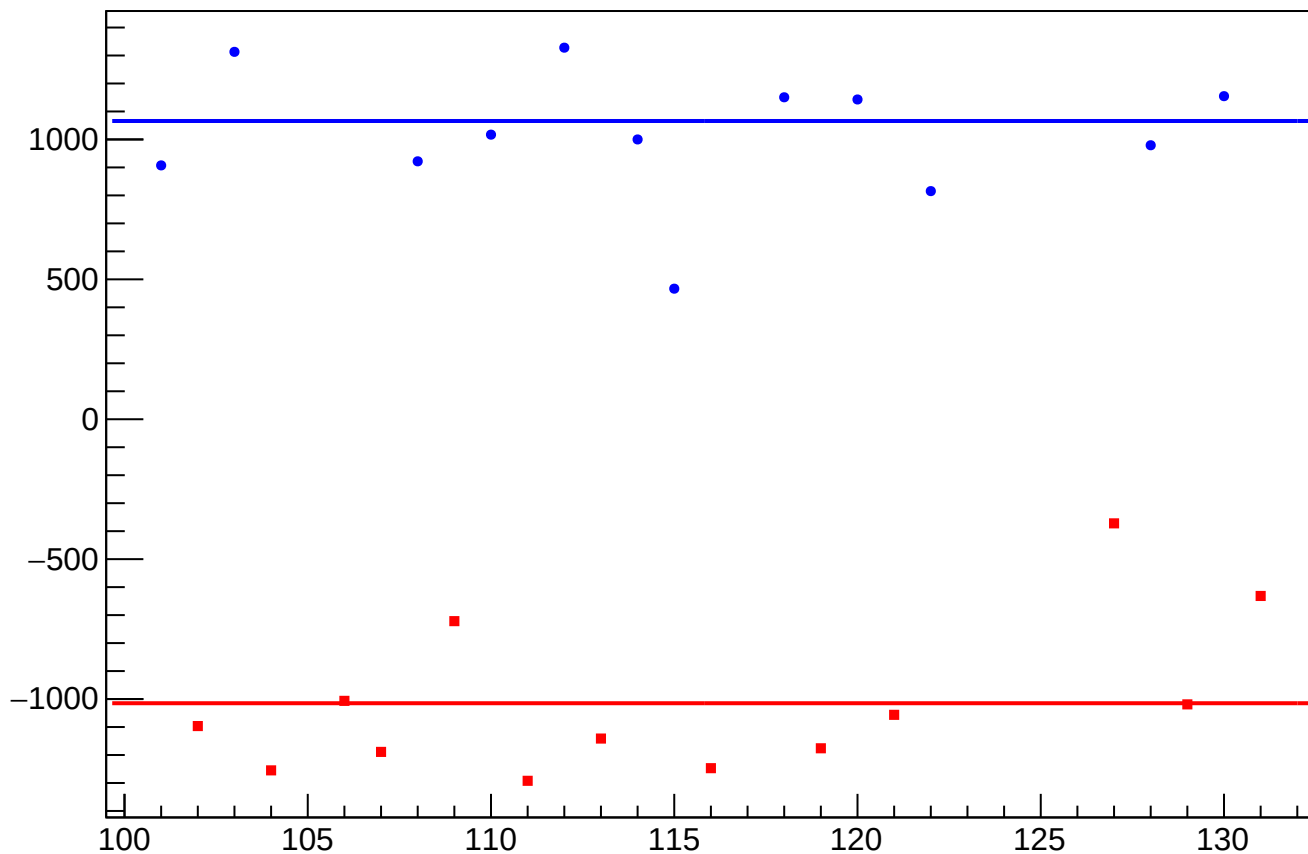
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

778.074+/-0.000  $\chi^2/\text{NDF}$ : 390946392869966121560593790191804612608.0/11

-283.360+/-0.000  $\chi^2/\text{NDF}$ : 32729253538.0/11

-1236.173+/-0.000  $\chi^2/\text{NDF}$ : 1812984511414462880416958662286552072192.0/12

dit\_atl1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

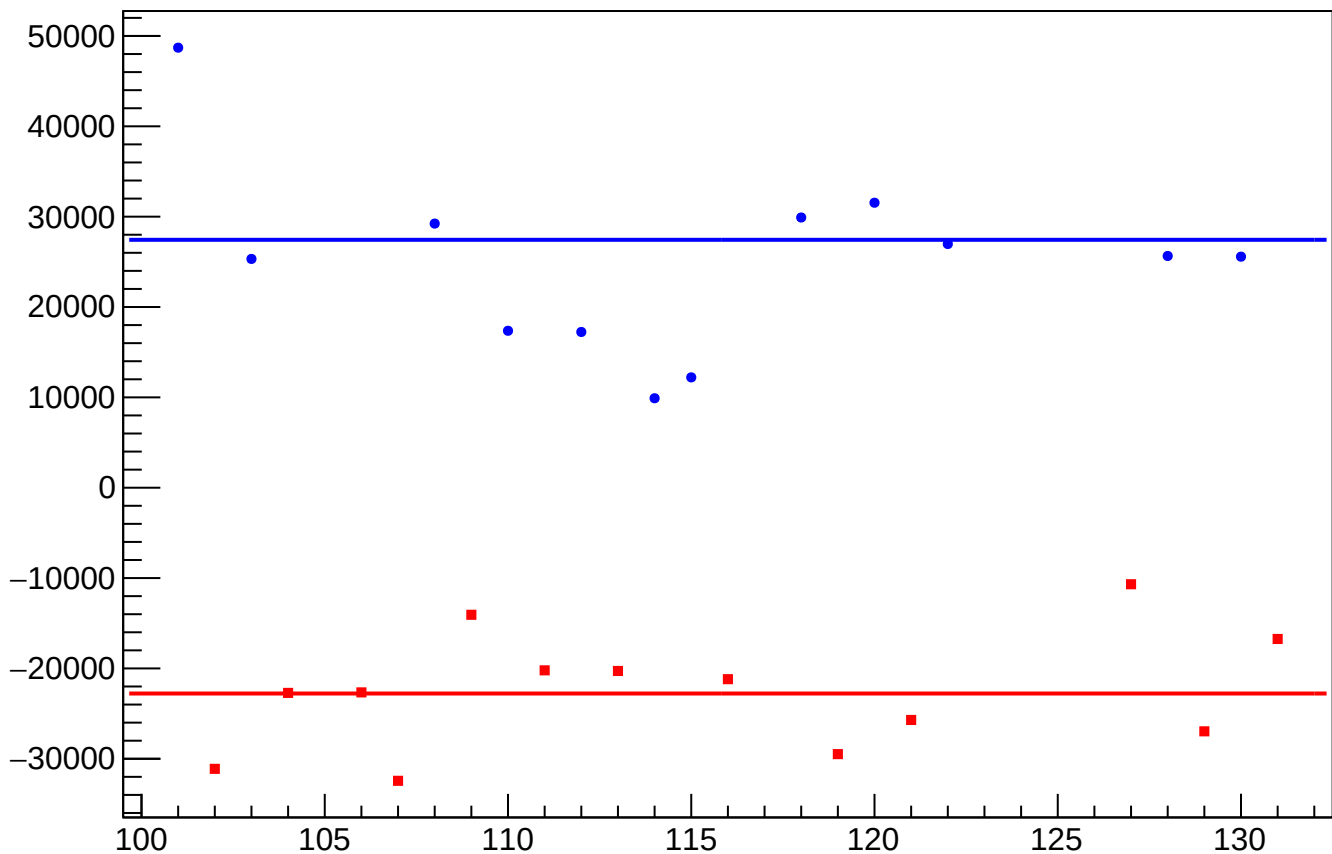
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

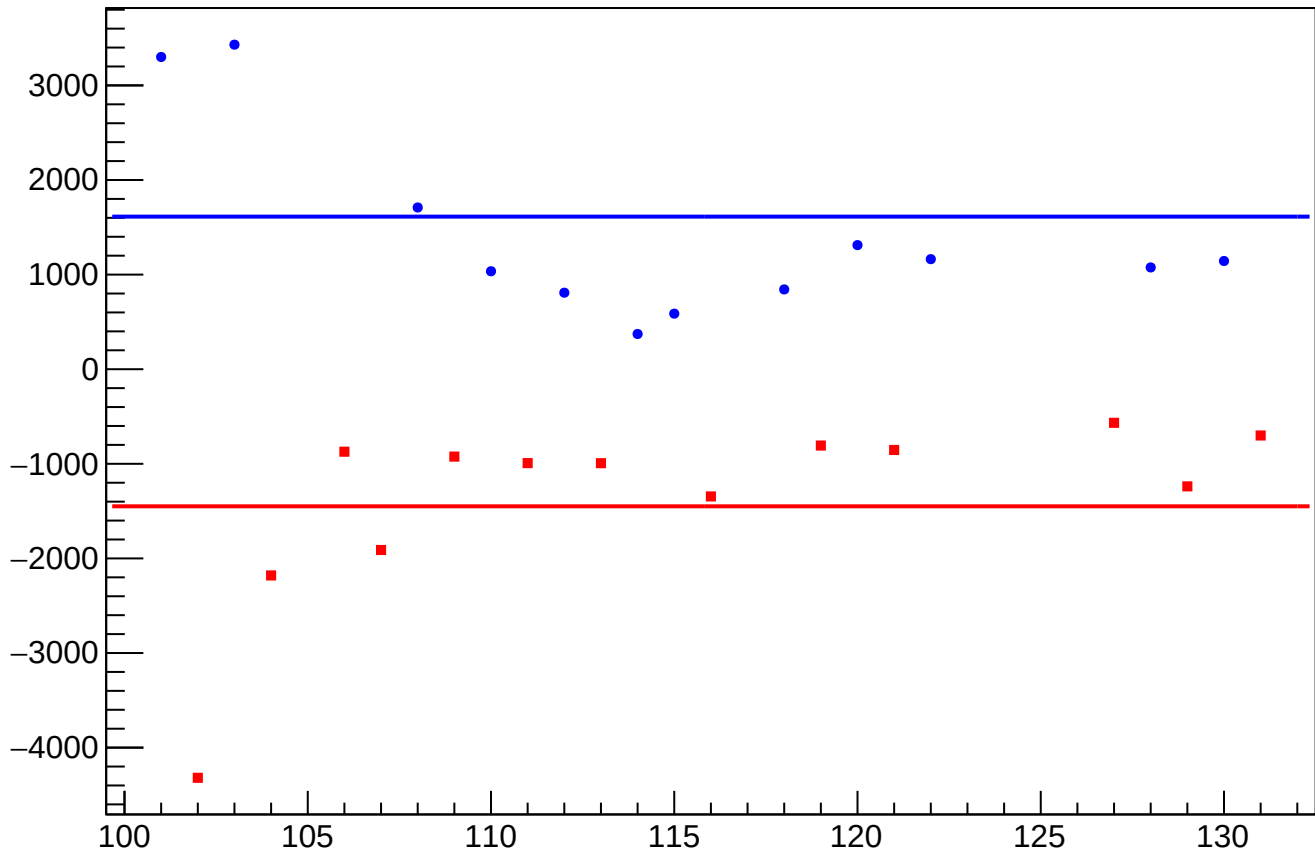
-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

# dit\_atl2\_coil1\_mean vs Slug, Sign Corrected



Right In: 27438.404+/-0.000  $\chi^2/\text{NDF}$ : 43561939619100813522887524228406880239616.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -22777.145+/-0.000  $\chi^2/\text{NDF}$ : 22991712060308979942550200108094131798016.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1612.869+/-0.000  $\chi^2/\text{NDF}$ : 507875350429703526256438858013613228032.0/11

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

Right Out: -1449.168+/-0.000  $\chi^2/\text{NDF}$ : 647938596452471116482655086726233456640.0/12

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

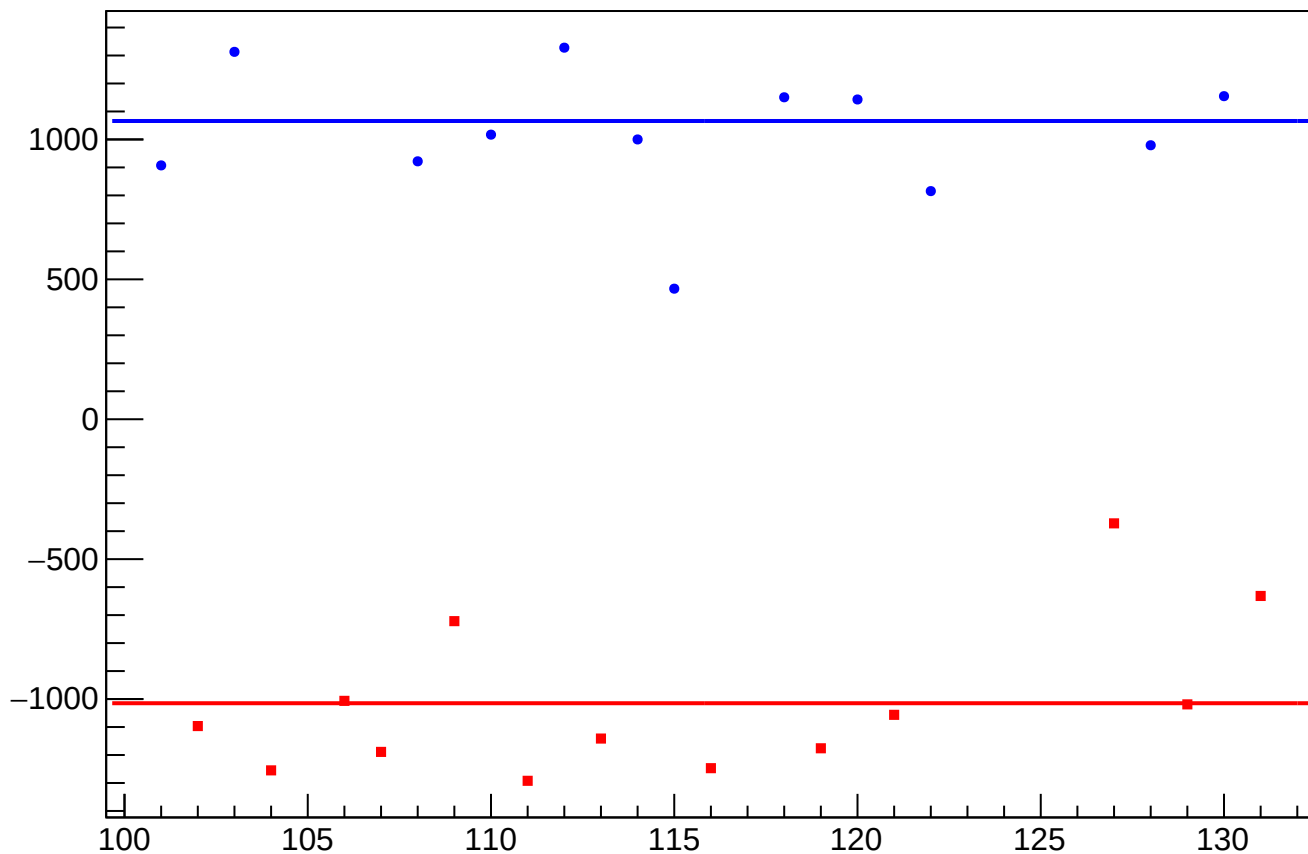
1612.869+/-0.000  $\chi^2/\text{NDF}$ : 5078753504297035

-0.711+/-0.000  $\chi^2/\text{NDF}$ : 3626234481027

-1449.168+/-0.000  $\chi^2/\text{NDF}$ : 647938596452471



dit\_atl2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

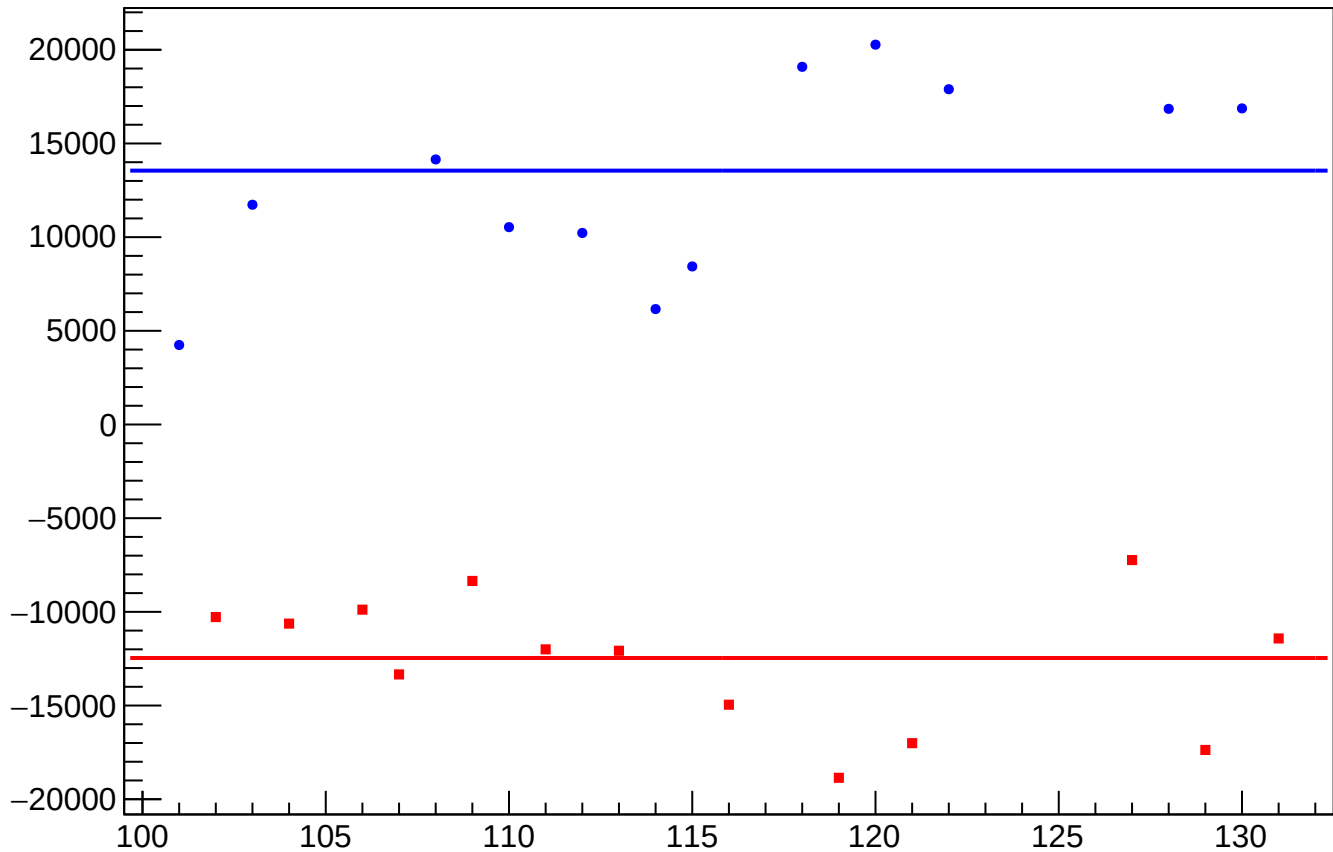
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

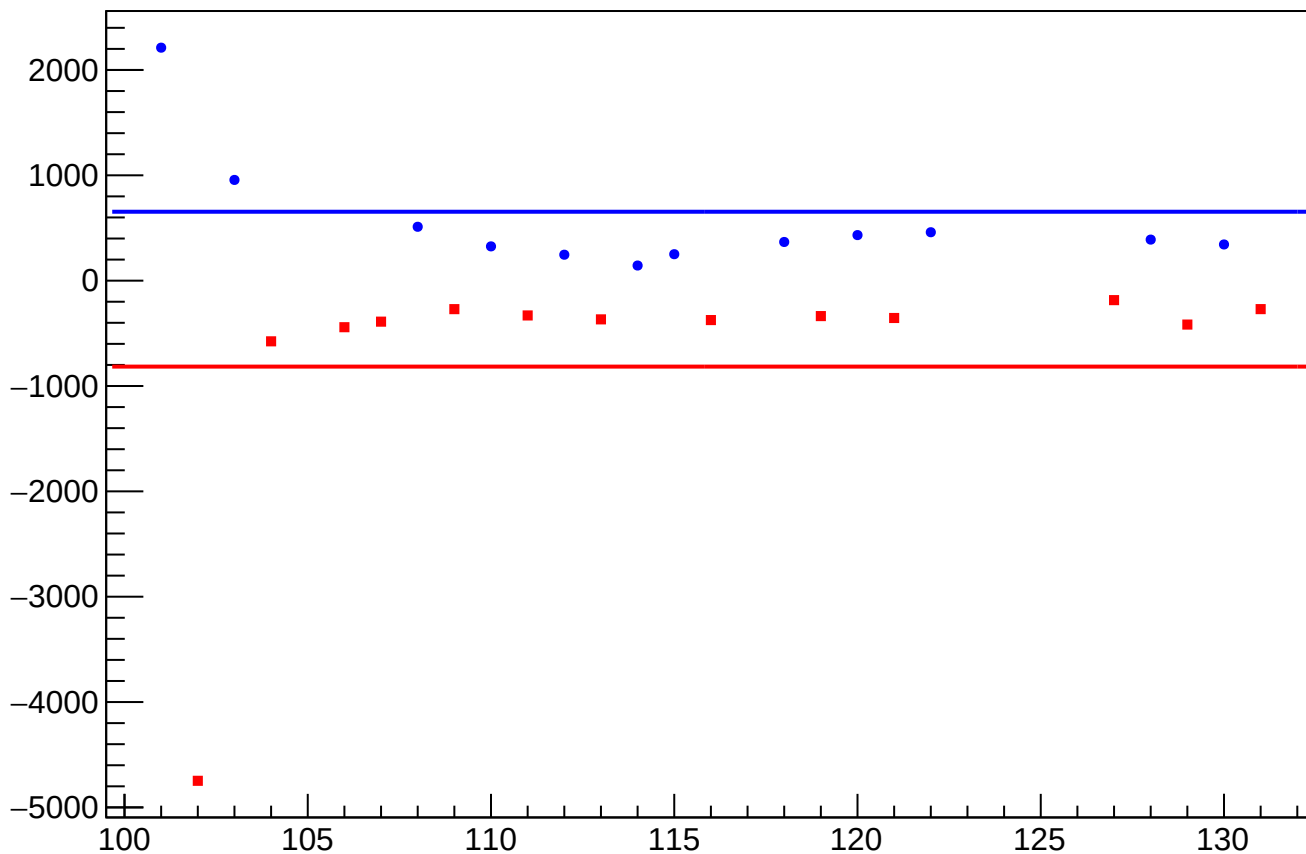
-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

# dit\_atr1\_coil1\_mean vs Slug, Sign Corrected



Right In: 13550.347+/-0.000  $\chi^2/\text{NDF}$ : 12285150771821416473449585806234657751040.0/11  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -12462.305+/-0.000  $\chi^2/\text{NDF}$ : 6883416350999544776848427073147062190080.0/12  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 654.254+/-0.000  $\chi^2/\text{NDF}$ : 182888679200737161960117802542399750144.0/11

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

Right Out: -815.803+/-0.000  $\chi^2/\text{NDF}$ : 1005675476875849913353812484780070010880.0/12

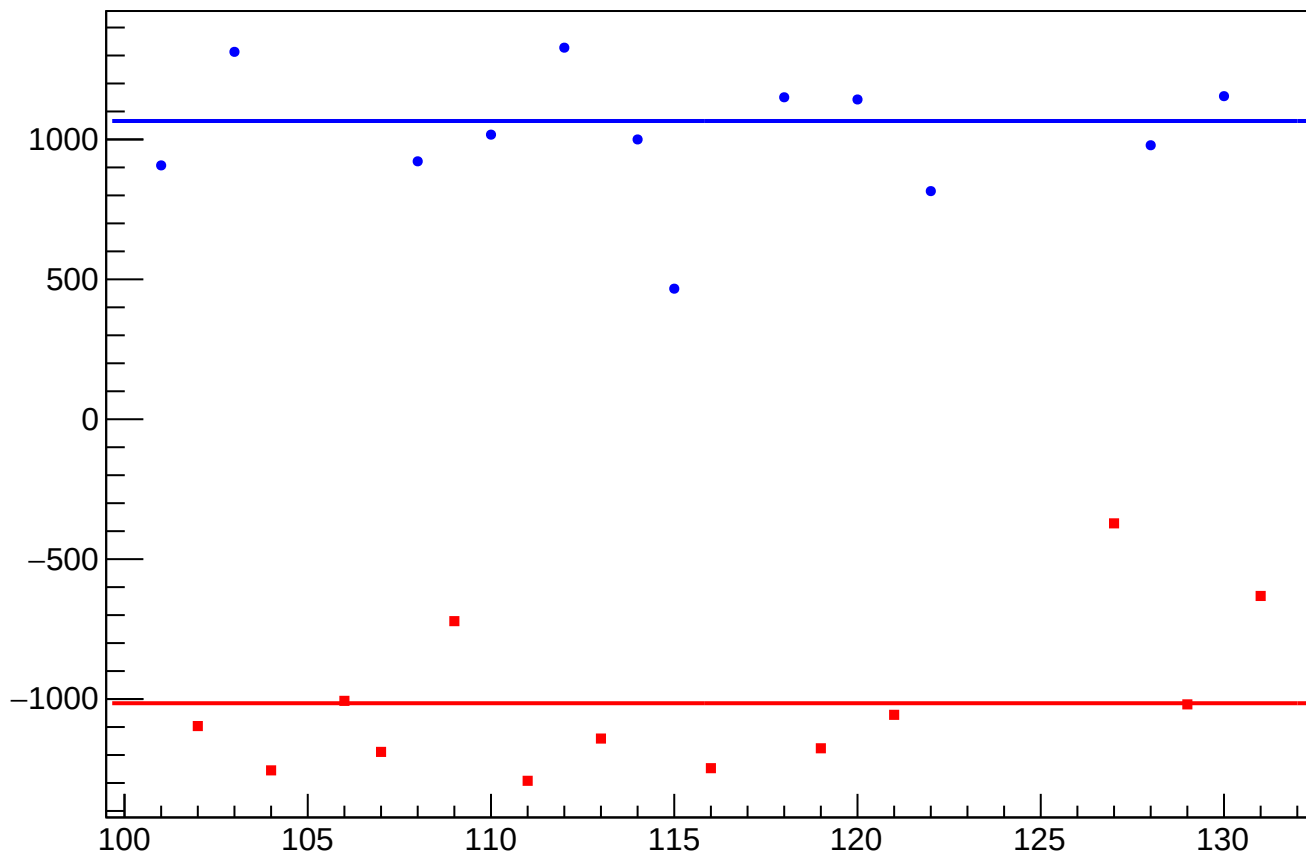
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

654.254+/-0.000  $\chi^2/\text{NDF}$ : 18288867920073716

-120.412+/-0.000  $\chi^2/\text{NDF}$ : 17579655007

-815.803+/-0.000  $\chi^2/\text{NDF}$ : 1005675476875849

dit\_atr1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

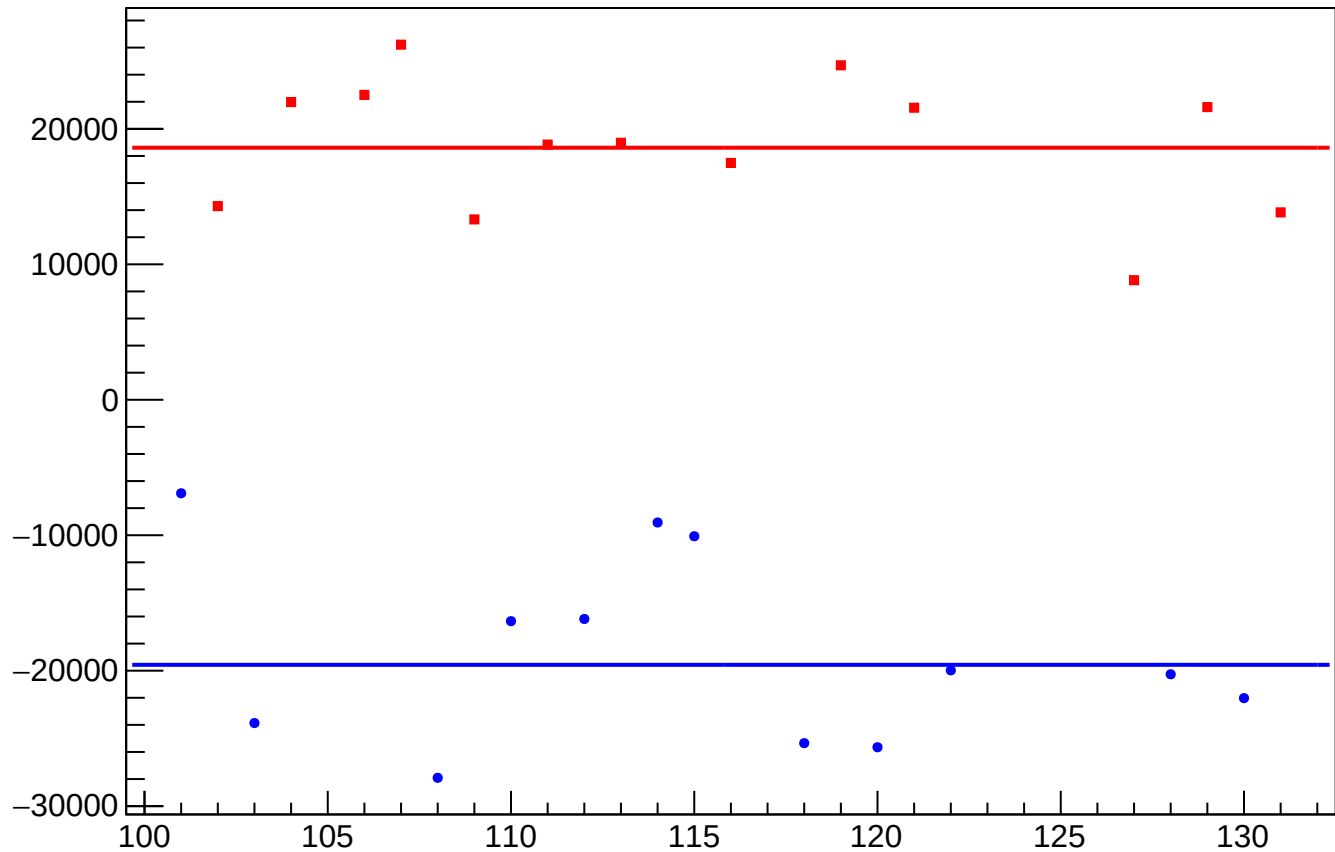
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

# dit\_atr2\_coil1\_mean vs Slug, Sign Corrected



Right In: -19565.693+/-0.000  $\chi^2/\text{NDF}$ : 19925830746252747220480811849042676940800.0/11

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

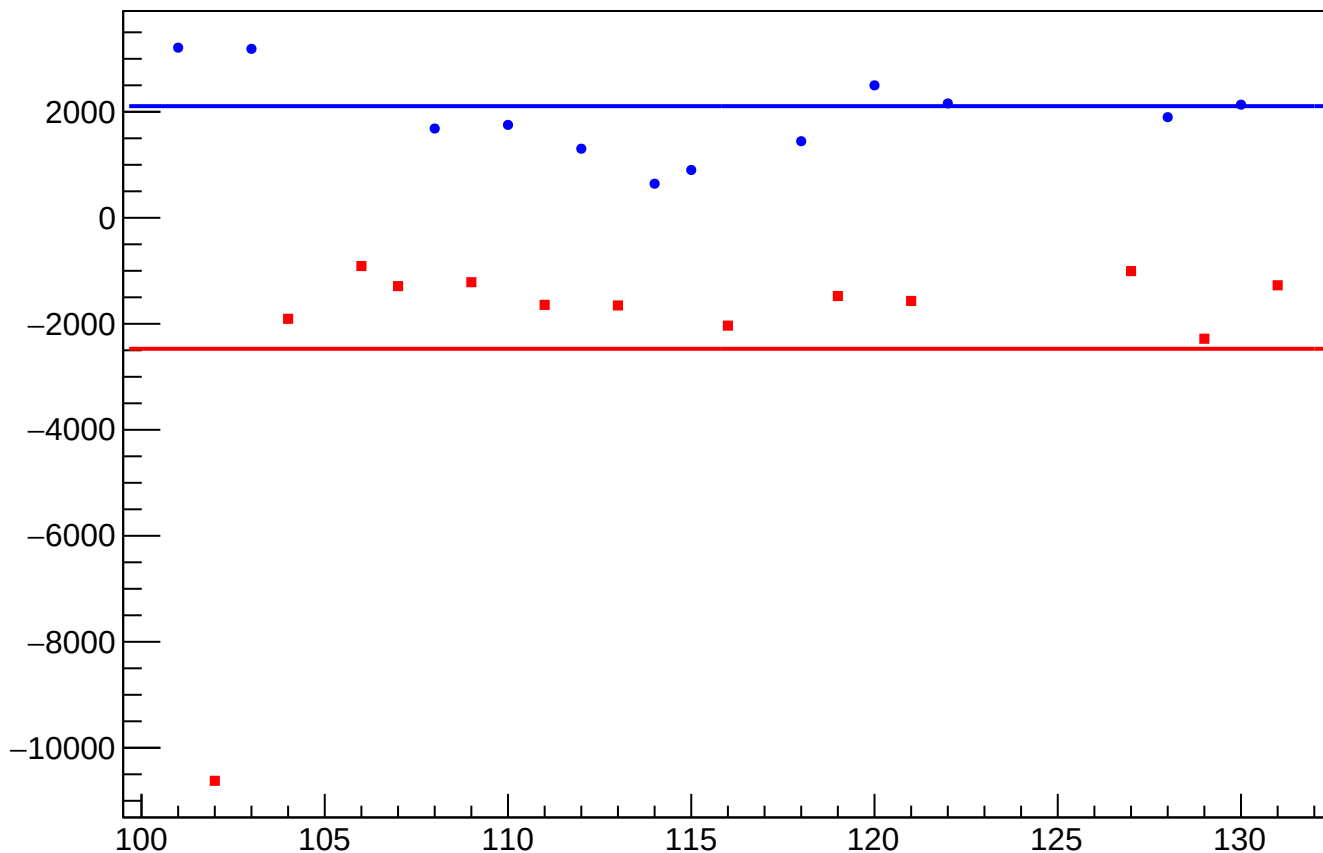
Right Out: 18608.048+/-0.000  $\chi^2/\text{NDF}$ : 13302181904039087017301531684186412285952.0/12

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

550.460+/-0.000  $\chi^2/\text{NDF}$ : 417182410045

18608.048+/-0.000  $\chi^2/\text{NDF}$ : 133021819040390

dit\_atr2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 2106.800+/-0.000  $\chi^2/\text{NDF}$ : 257887938904293508780134054550126460928.0/11

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

Right Out: -2471.265+/-0.000  $\chi^2/\text{NDF}$ : 4374186046707995207622344890371985637376.0/12

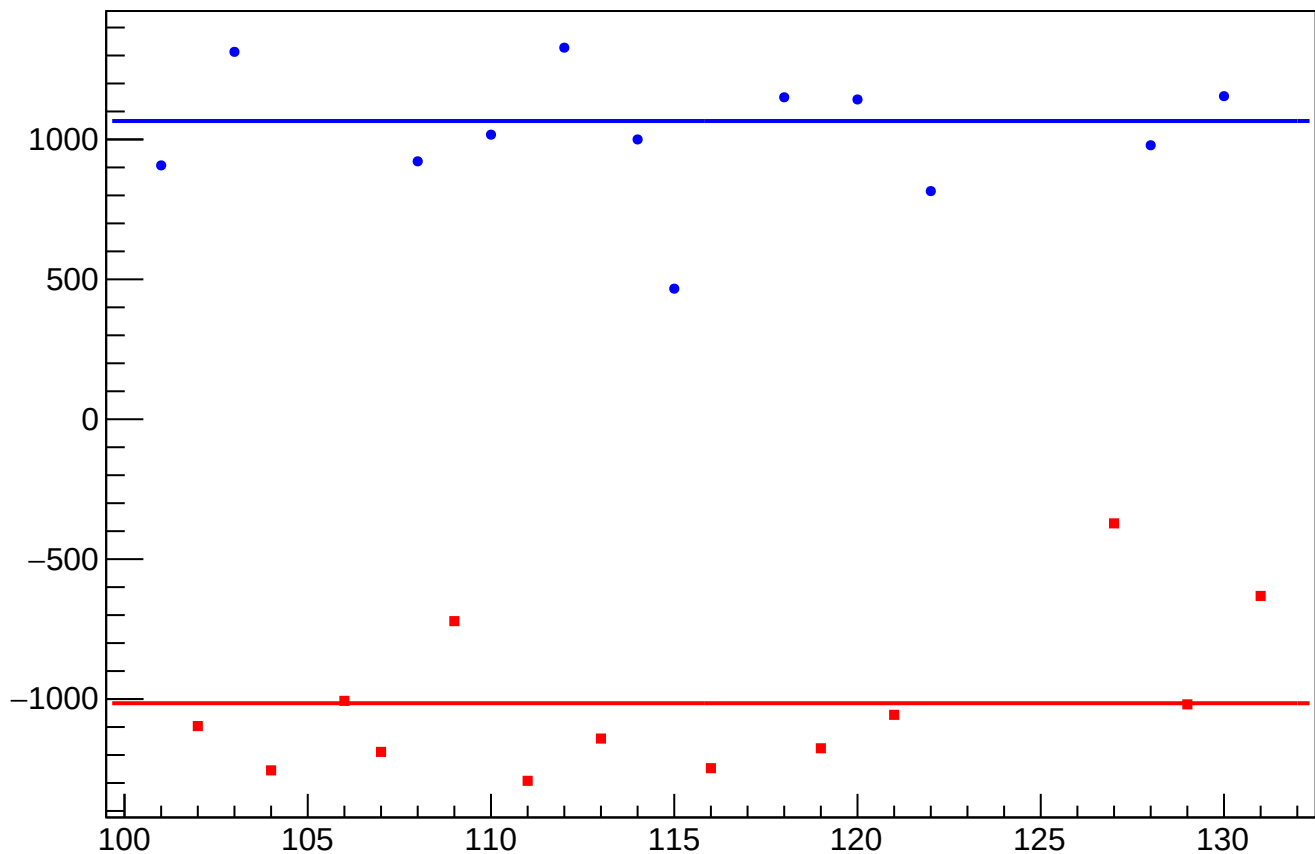
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2106.800+/-0.000  $\chi^2/\text{NDF}$ : 2578879389042935

-305.671+/-0.000  $\chi^2/\text{NDF}$ : 101542969973

-2471.265+/-0.000  $\chi^2/\text{NDF}$ : 437418604670799

dit\_atr2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

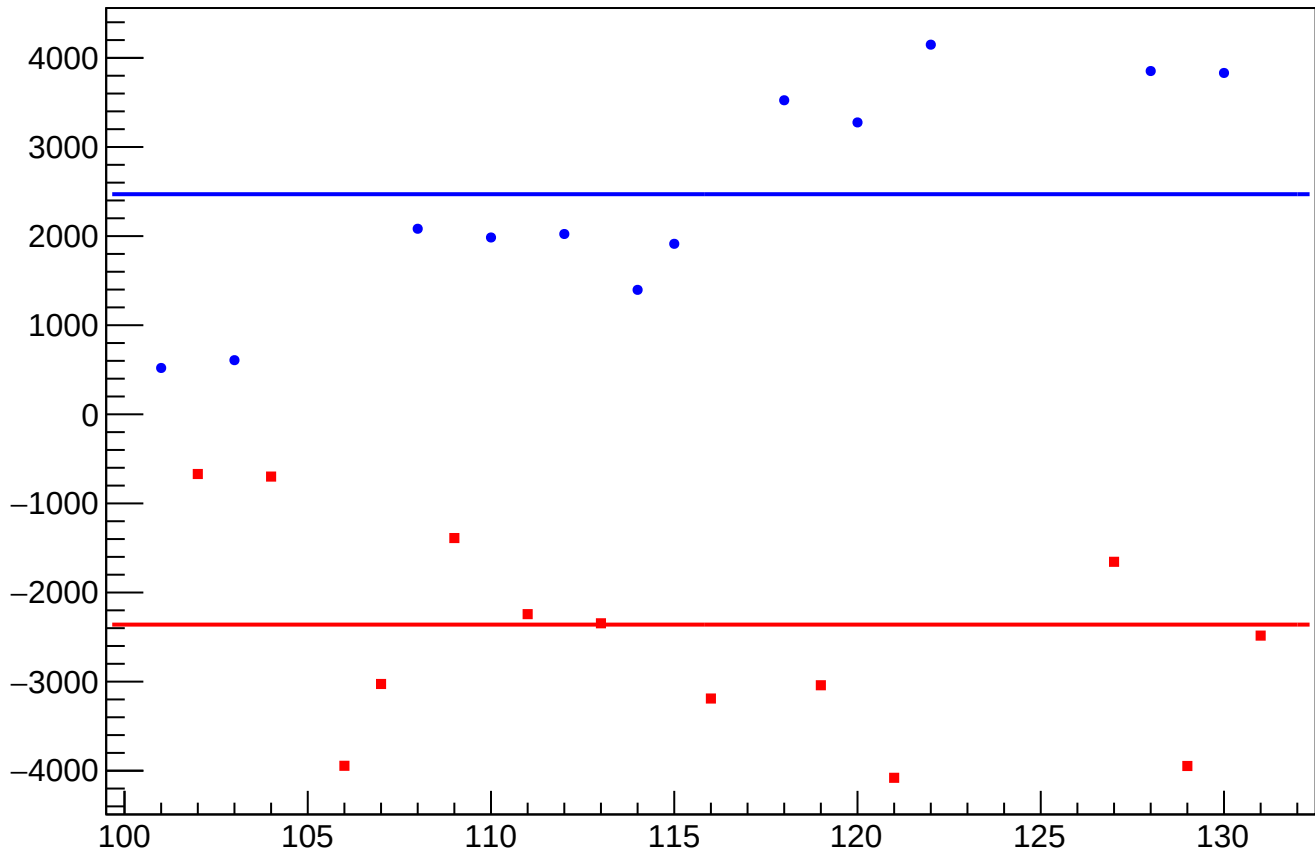
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

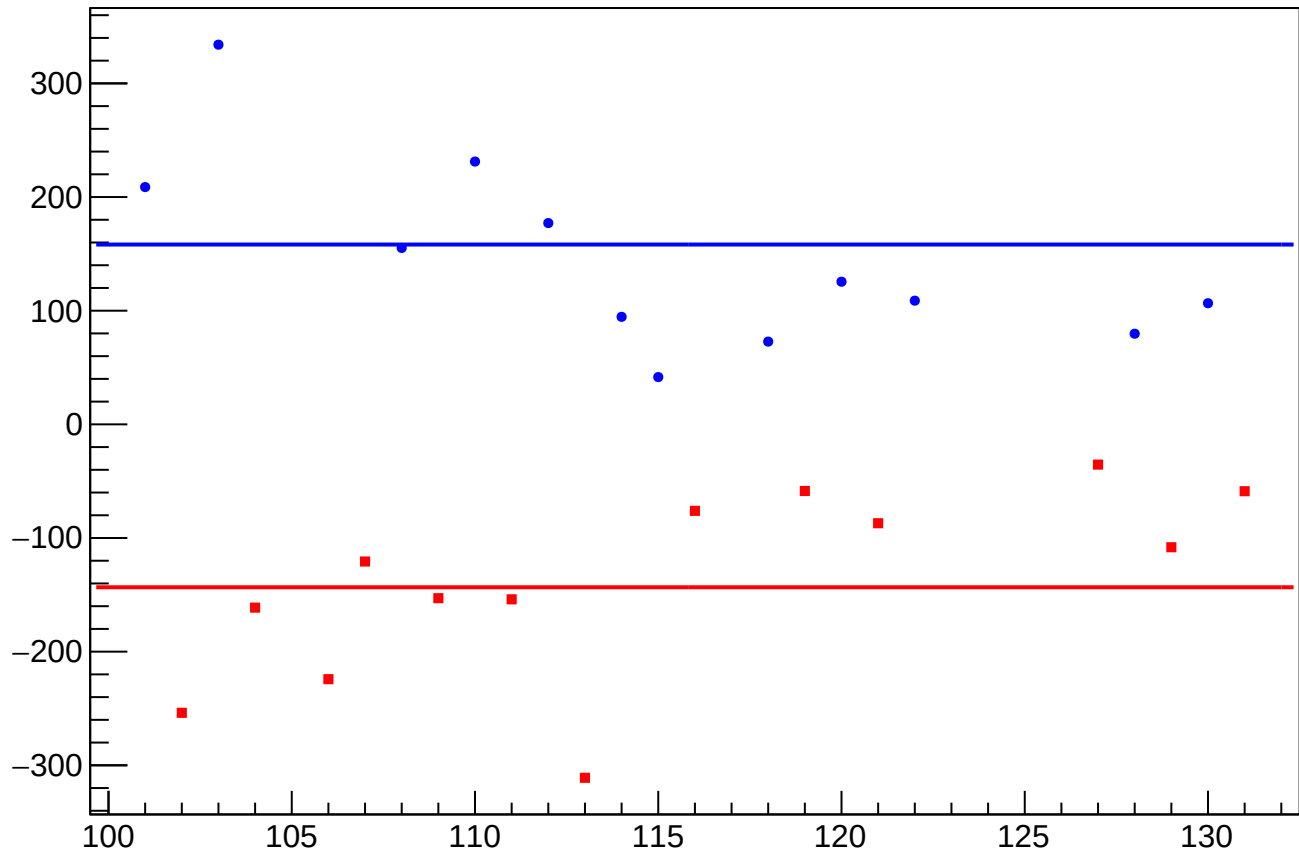
# dit\_sam1\_coil1\_mean vs Slug, Sign Corrected



Right In: 2470.301+/-0.000  $\chi^2/\text{NDF}$ : 867843223975856351057373430423236902912.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -2360.086+/-0.000  $\chi^2/\text{NDF}$ : 733973392785004191044349521003471175680.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_sam1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 158.207+/-0.000  $\chi^2/\text{NDF}$ : 3382257571646582305509626222697512960.0/11

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

Right Out: -143.347+/-0.000  $\chi^2/\text{NDF}$ : 3686610044206940176726669534915723264.0/12

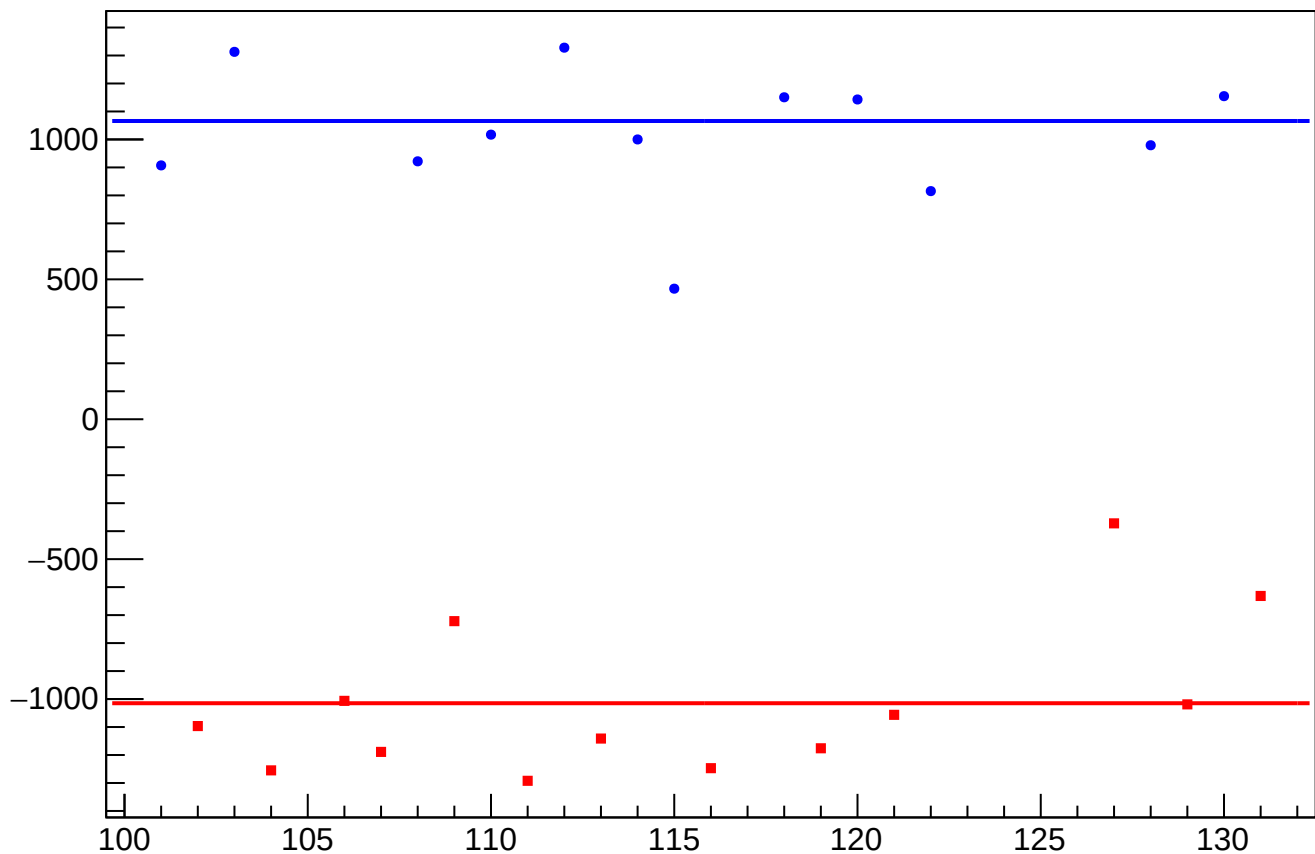
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

158.207+/-0.000  $\chi^2/\text{NDF}$ : 3382257571646582305509626222697512960.0/11

-0.701+/-0.000  $\chi^2/\text{NDF}$ : 3102853724654.0/11

-143.347+/-0.000  $\chi^2/\text{NDF}$ : 3686610044206940176726669534915723264.0/12

dit\_sam1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

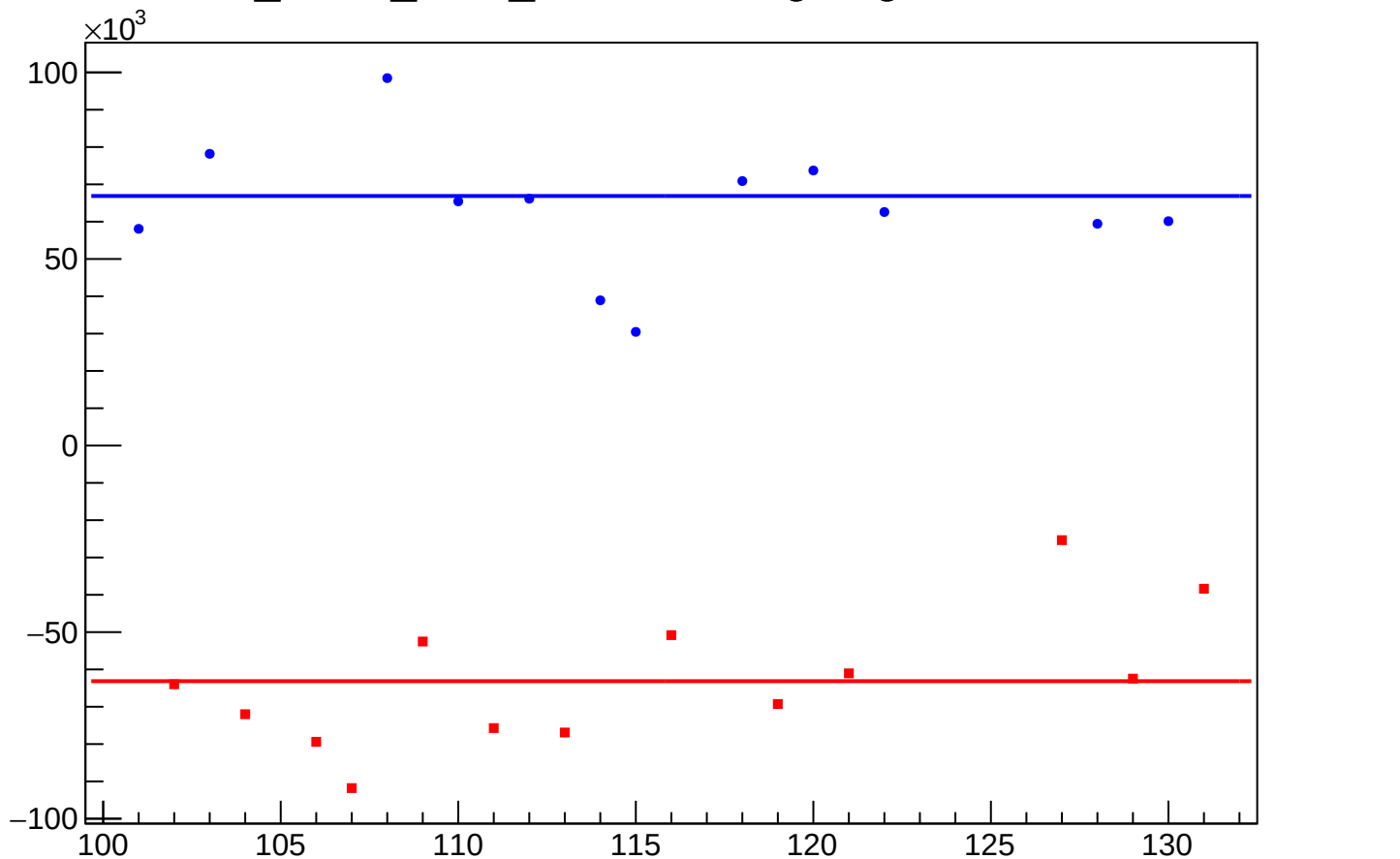
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

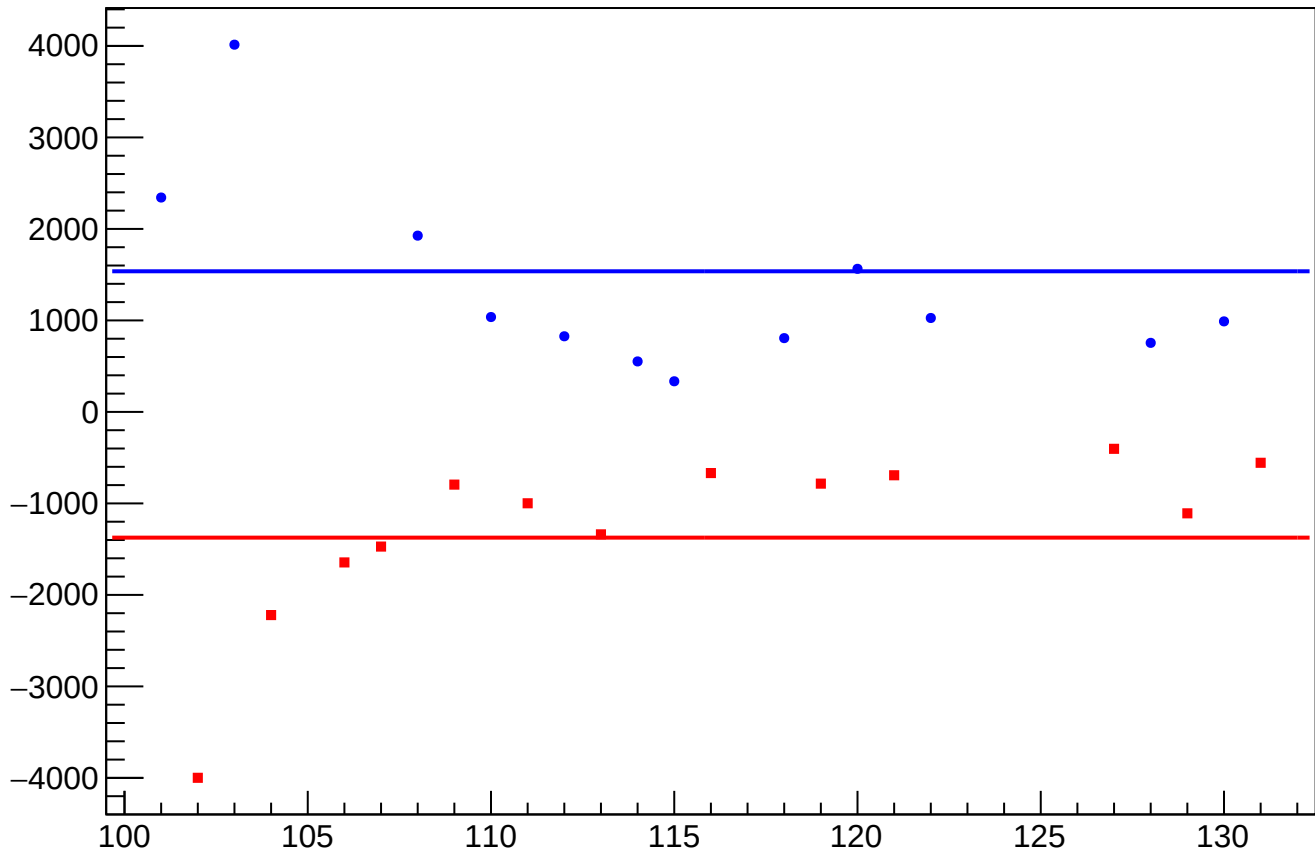
-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

dit\_sam2\_coil1\_mean vs Slug, Sign Corrected



Right In: 66880.573+/-0.000  $\chi^2/\text{NDF}$ : 84044110341404279759952929121507517399040.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -63146.556+/-0.000  $\chi^2/\text{NDF}$ : 154046458716822416424892283700003687366656.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil1\_err\_mean vs Slug, Sign Corrected



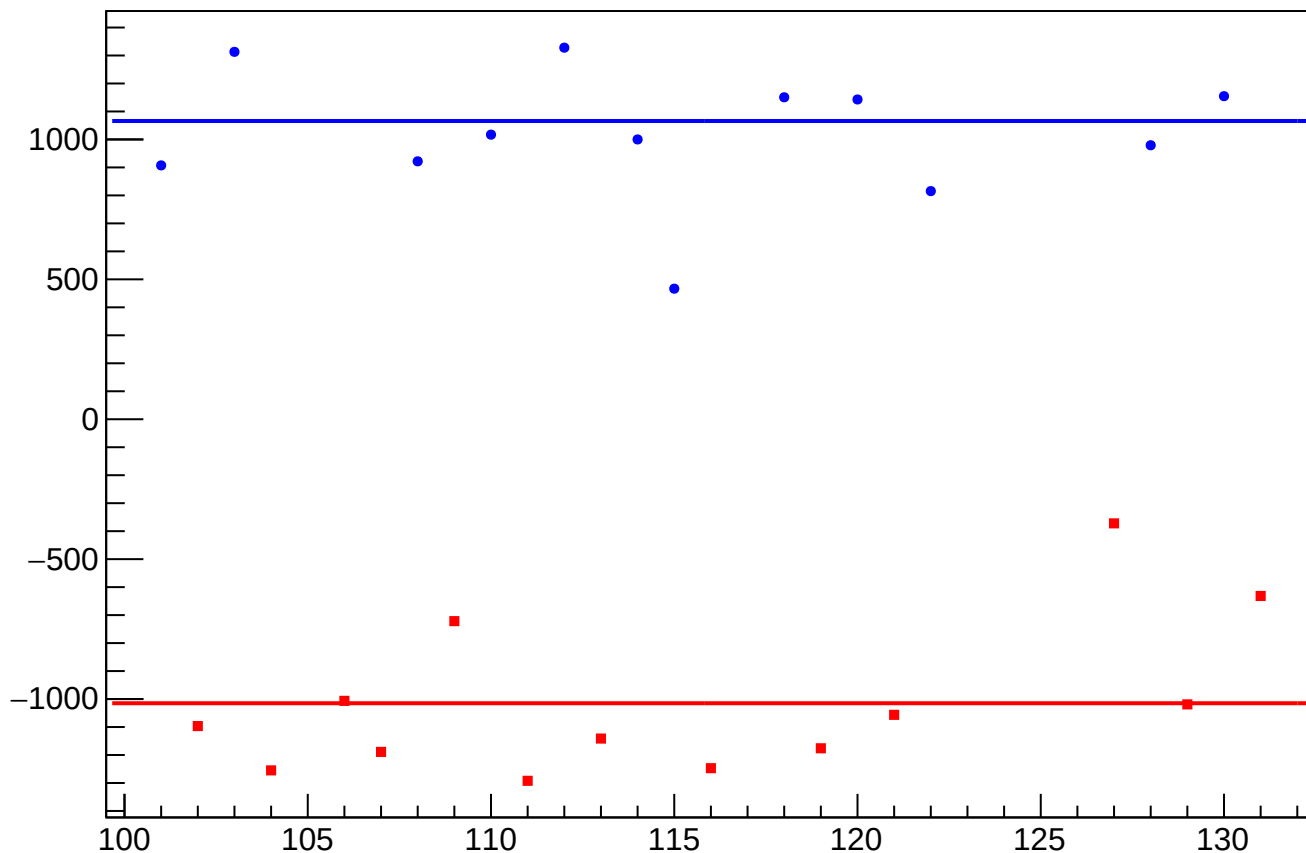
Right In: 1537.007+/-0.000  $\chi^2/\text{NDF}$ : 556391699743223209120929333441885896704.0/11

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

Right Out: -1374.059+/-0.000  $\chi^2/\text{NDF}$ : 580260248730912694946044112564526252032.0/12

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

dit\_sam2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

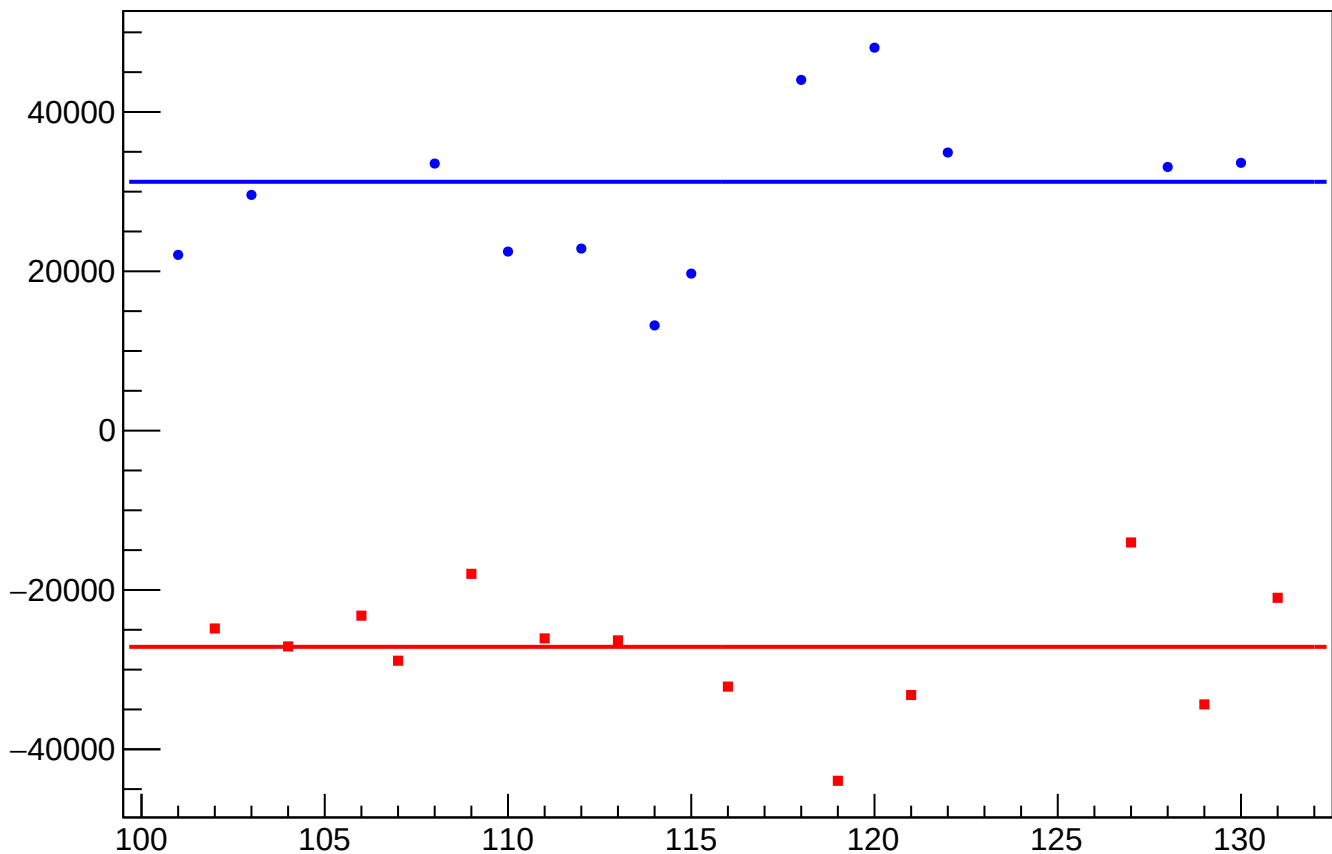
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

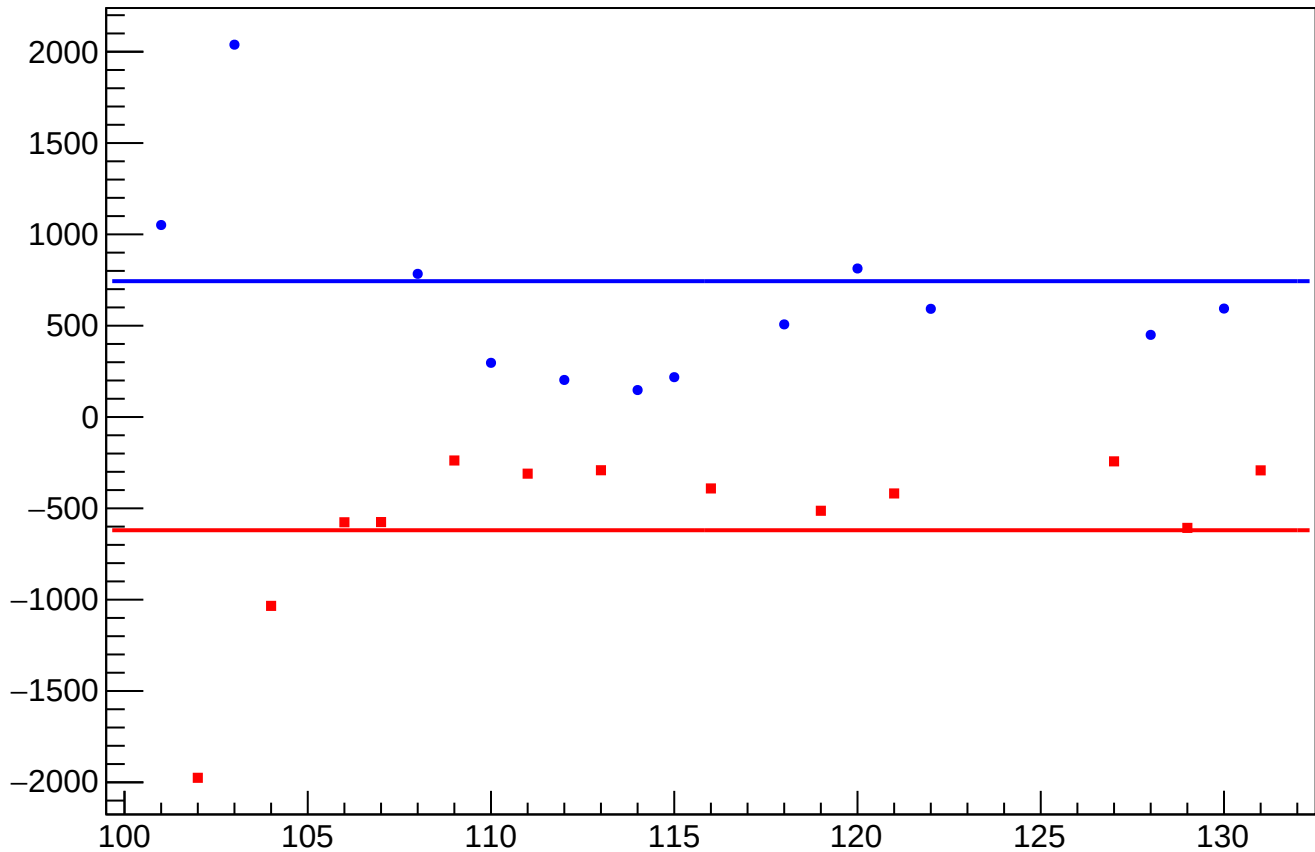
-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

dit\_sam3\_coil1\_mean vs Slug, Sign Corrected



Right In: 31238.246+/-0.000  $\chi^2/\text{NDF}$ : 36485782532775485941920645752858800553984.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -27140.054+/-0.000  $\chi^2/\text{NDF}$ : 33051280428390586157940870021547315691520.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 743.788+/-0.000  $\chi^2/\text{NDF}$ : 143632961253054078960119977295615098880.0/11

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

Right Out: -619.862+/-0.000  $\chi^2/\text{NDF}$ : 145788997464060968235818206706238750720.0/12

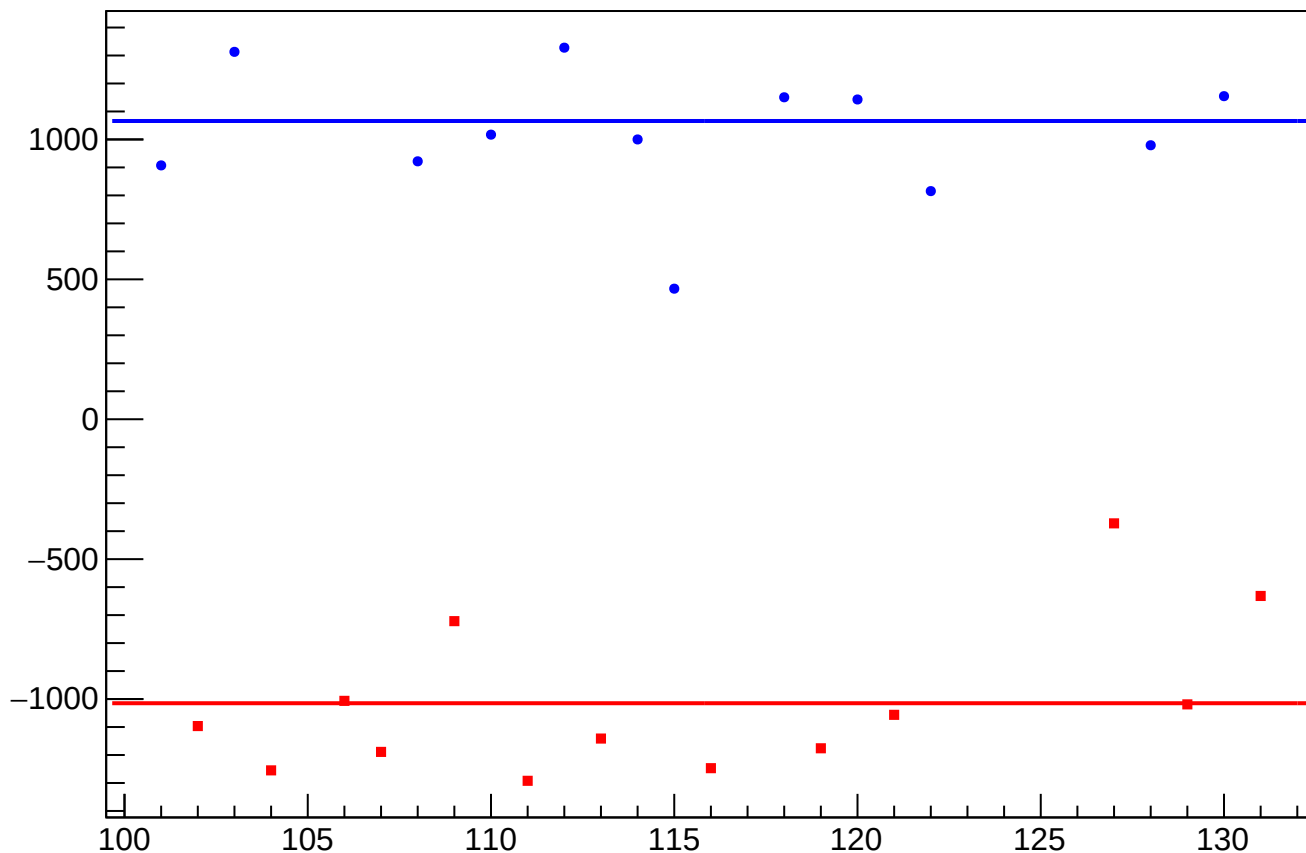
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

743.788+/-0.000  $\chi^2/\text{NDF}$ : 14363296125305407

25.195+/-0.000  $\chi^2/\text{NDF}$ : 7793767989548

-619.862+/-0.000  $\chi^2/\text{NDF}$ : 1457889974640609

dit\_sam3\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

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

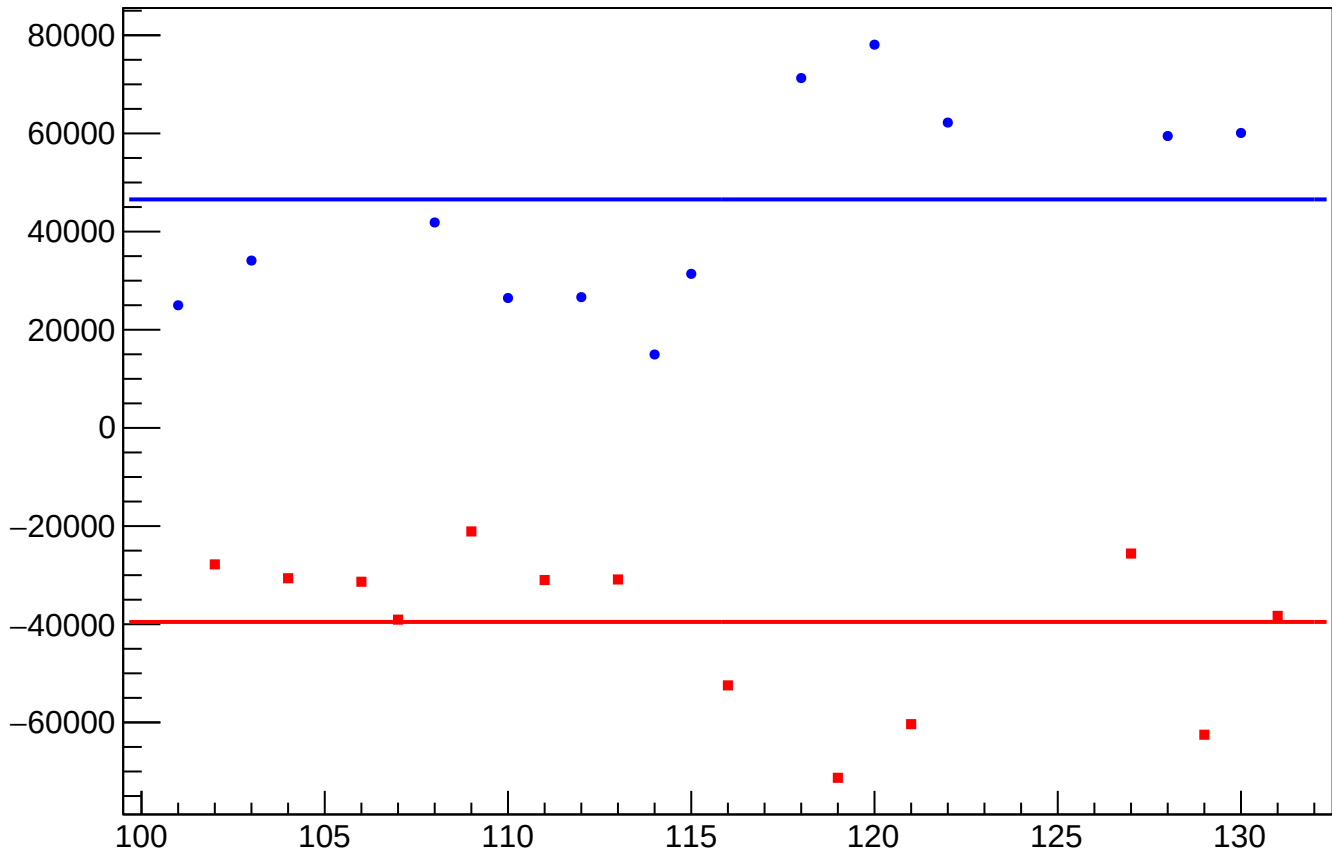
1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

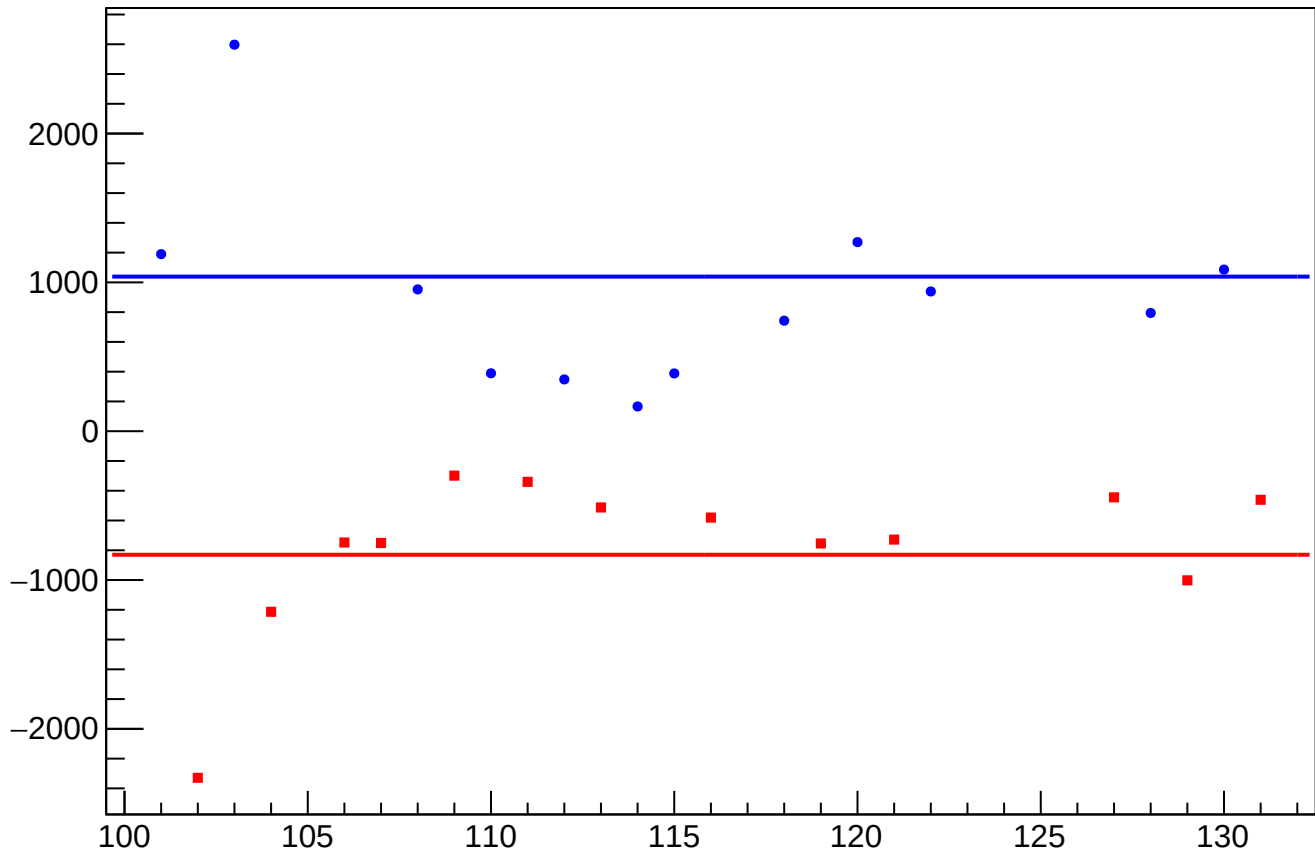


dit\_sam4\_coil1\_mean vs Slug, Sign Corrected



Right In: 46556.377+/-0.000  $\chi^2/\text{NDF}$ : 181491519485015694456729850221480158167040.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -39528.638+/-0.000  $\chi^2/\text{NDF}$ : 142377434865952252567939768963632289808384.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1038.740+/-0.000  $\chi^2/\text{NDF}$ : 207963011690350476548197785484048465920.0/11

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

Right Out: -830.127+/-0.000  $\chi^2/\text{NDF}$ : 182960664282539499655123430927203565568.0/12

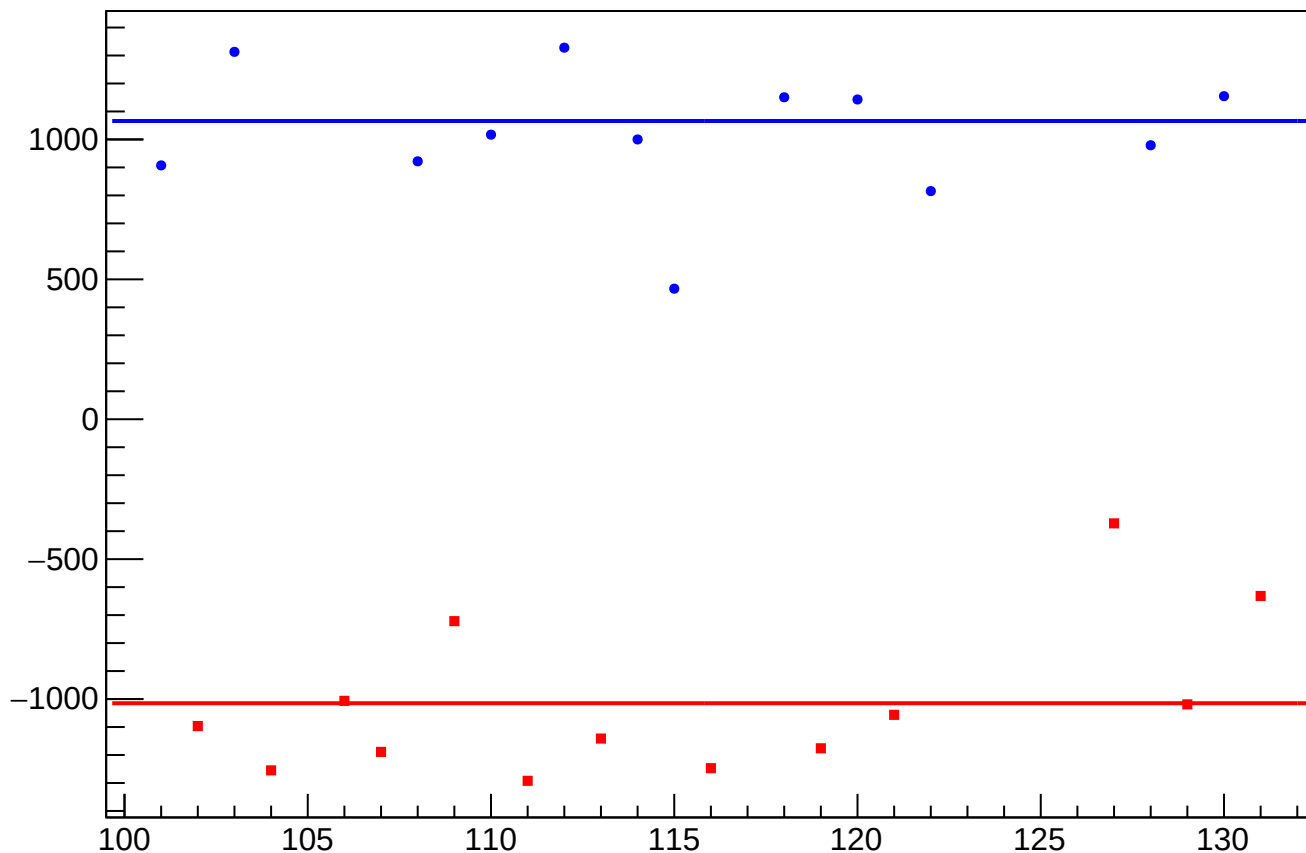
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1038.740+/-0.000  $\chi^2/\text{NDF}$ : 207963011690350476548197785484048465920.0/11

53.916+/-0.000  $\chi^2/\text{NDF}$ : 1311176690245

-830.127+/-0.000  $\chi^2/\text{NDF}$ : 182960664282539499655123430927203565568.0/12

dit\_sam4\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

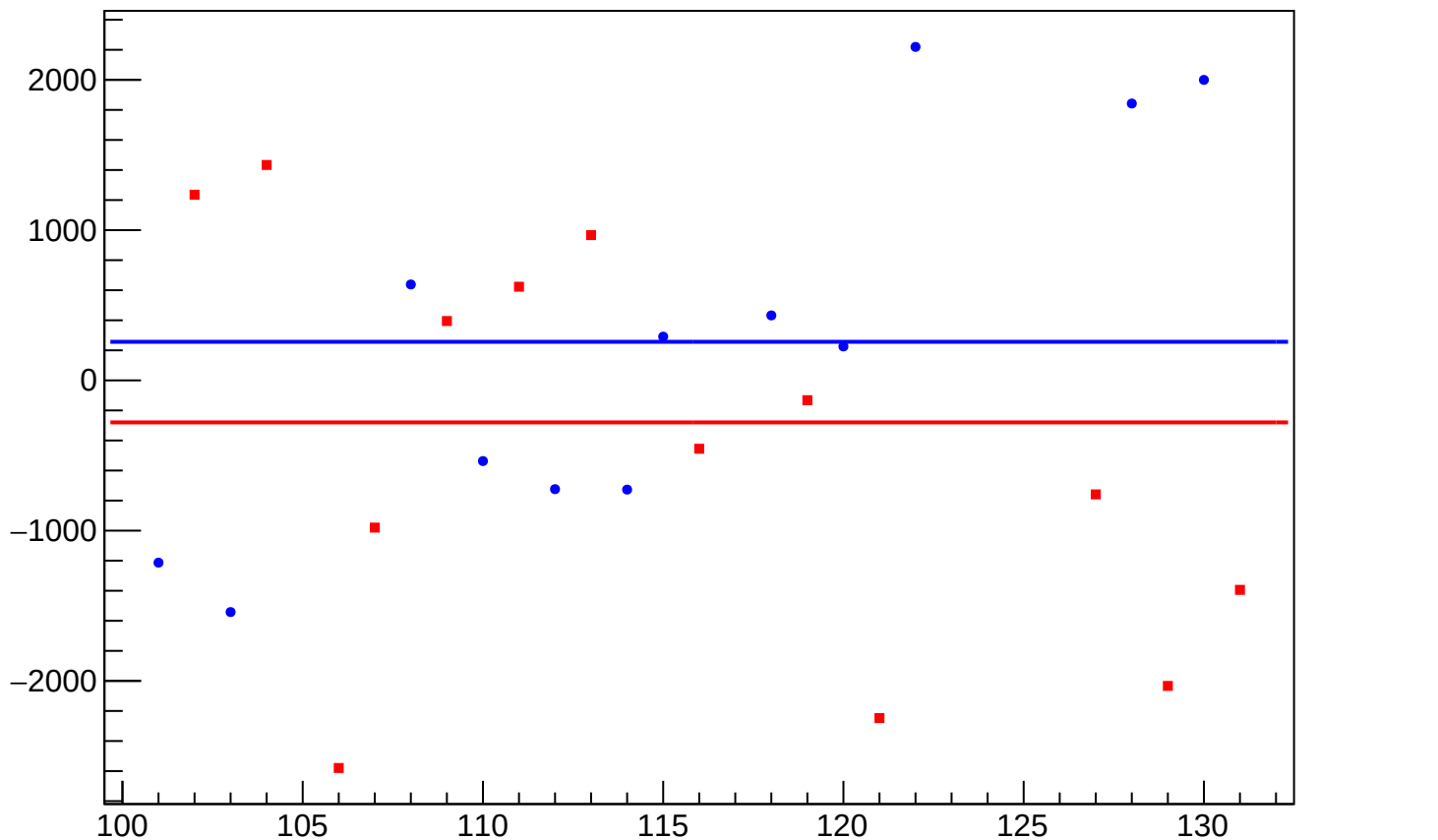
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

# dit\_sam5\_coil1\_mean vs Slug, Sign Corrected



Right In: 256.698+/-0.000  $\chi^2/\text{NDF}$ : 861958534066861931079007720972165840896.0/11

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

Right Out: -279.624+/-0.000  $\chi^2/\text{NDF}$ : 934195083276099126244410676254831804416.0/12

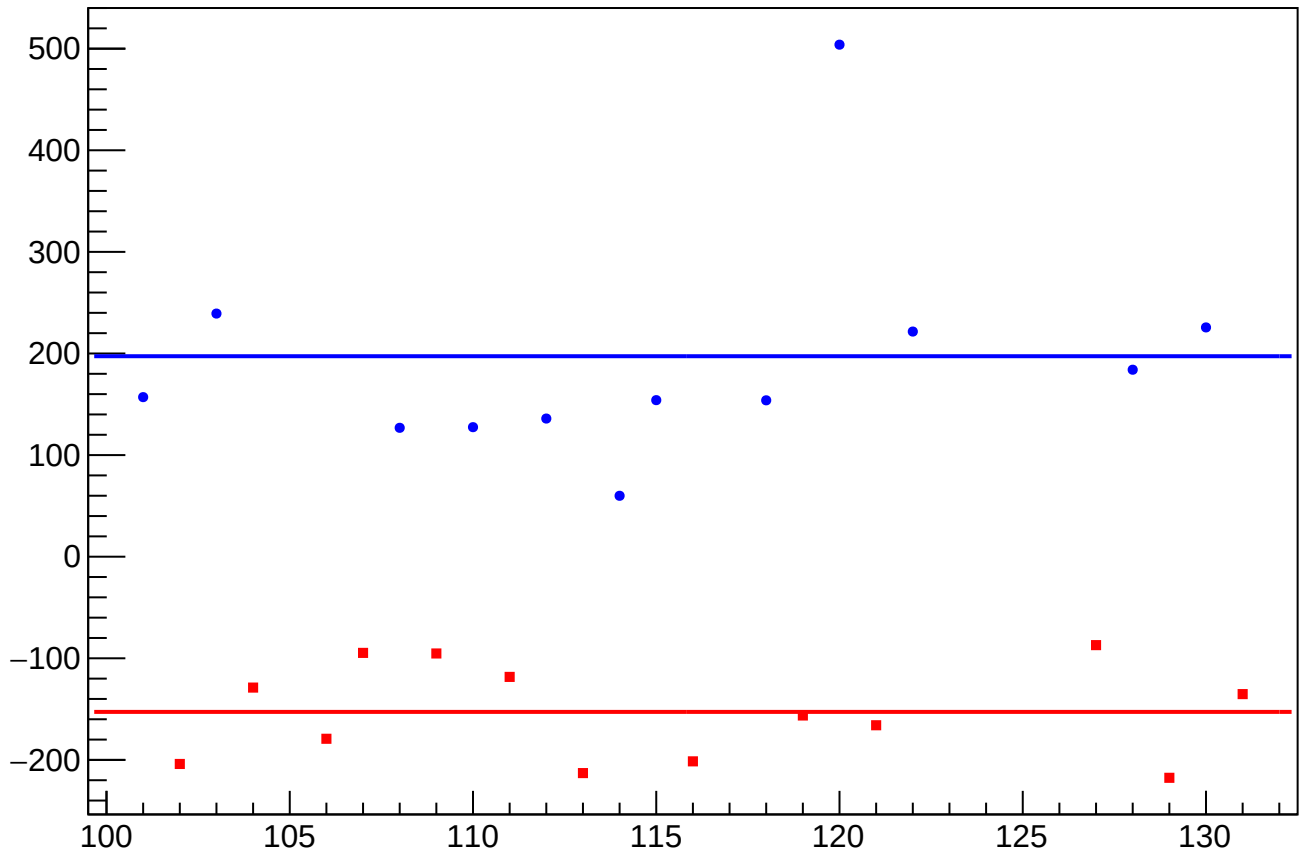
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

256.698+/-0.000  $\chi^2/\text{NDF}$ : 861958534066861931079007720972165840896.0/11

-25.924+/-0.000  $\chi^2/\text{NDF}$ : 1871941767390.0/11

-279.624+/-0.000  $\chi^2/\text{NDF}$ : 934195083276099126244410676254831804416.0/12

dit\_sam5\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 197.311+/-0.000  $\chi^2/\text{NDF}$ : 4460814041774471231584829762072215552.0/11

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

Right Out: -152.747+/-0.000  $\chi^2/\text{NDF}$ : 1155343420106946591448759919292973056.0/12

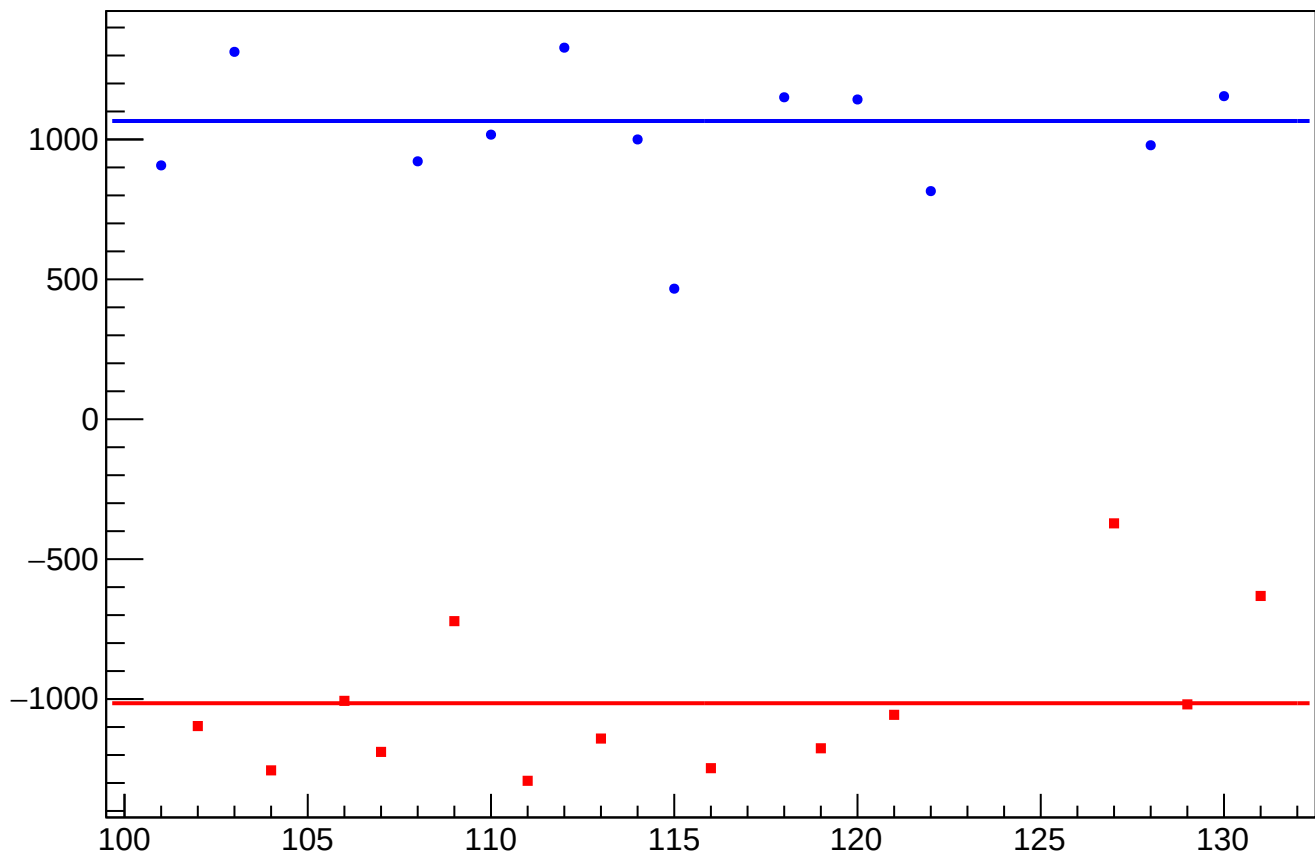
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

197.311+/-0.000  $\chi^2/\text{NDF}$ : 4460814041774471231584829762072215552.0/11

12.843+/-0.000  $\chi^2/\text{NDF}$ : 3790330397165

-152.747+/-0.000  $\chi^2/\text{NDF}$ : 1155343420106946591448759919292973056.0/12

dit\_sam5\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

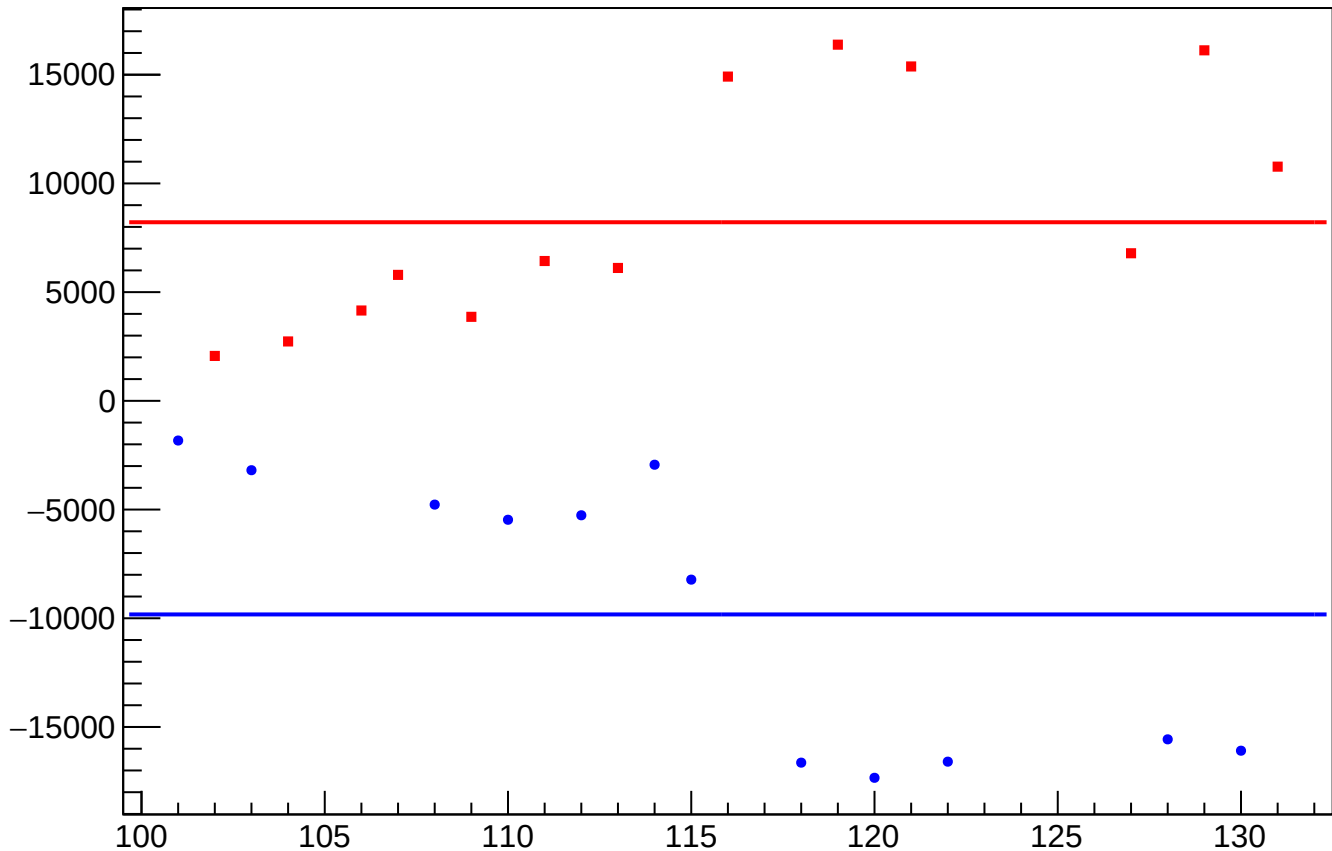
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

dit\_sam6\_coil1\_mean vs Slug, Sign Corrected



Right In: -9823.545+/-0.000  $\chi^2/\text{NDF}$ : 19780191546342851977549636426968701337600.0/11

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

Right Out: 8214.465+/-0.000  $\chi^2/\text{NDF}$ : 15355733311135571575748268471712695189504.0/12

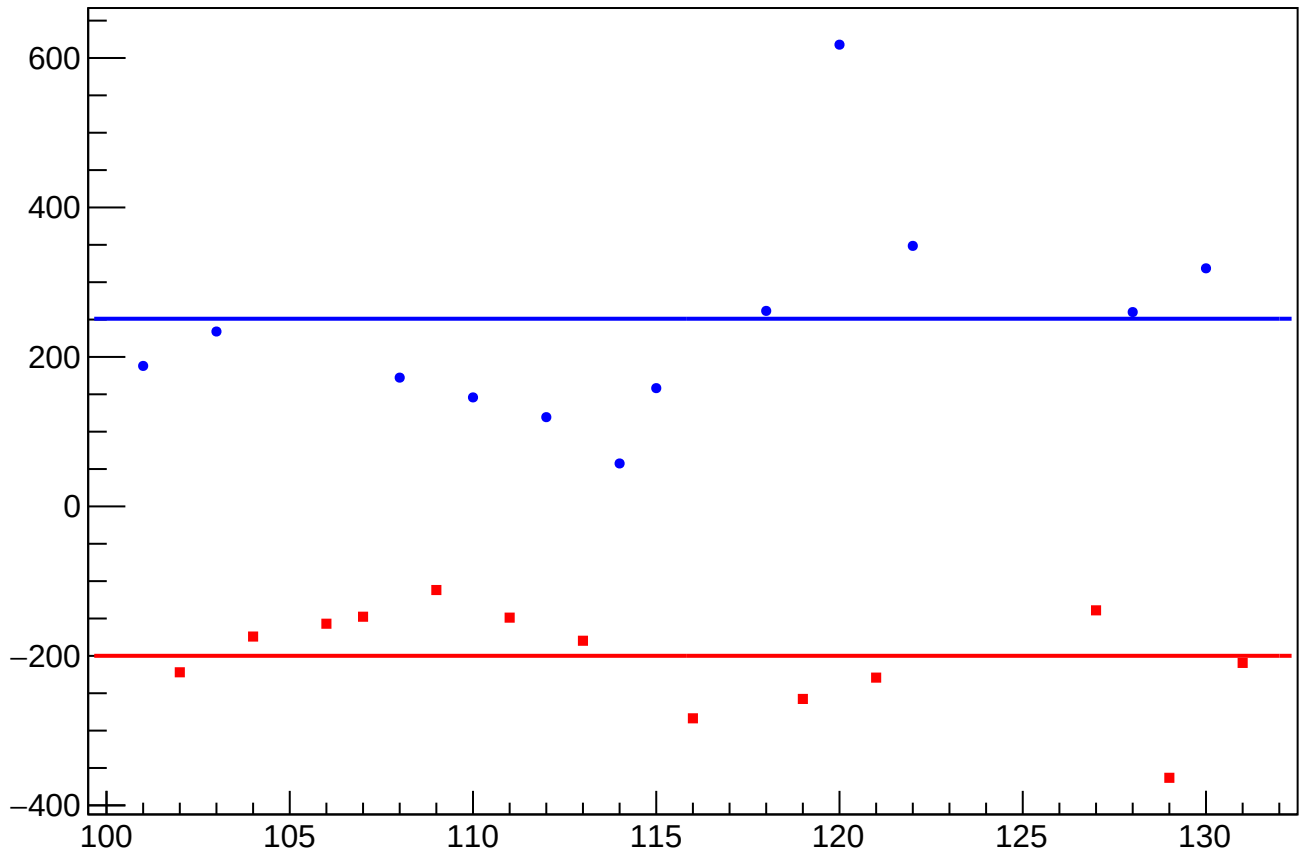
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9823.545+/-0.000  $\chi^2/\text{NDF}$ : 197801915463428

-318.179+/-0.000  $\chi^2/\text{NDF}$ : 12086486779

8214.465+/-0.000  $\chi^2/\text{NDF}$ : 1535573331113557

dit\_sam6\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 251.111+/-0.000  $\chi^2/\text{NDF}$ : 7644557143517413291807118911109857280.0/11

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

Right Out: -199.915+/-0.000  $\chi^2/\text{NDF}$ : 2416295197309641737035051705070256128.0/12

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

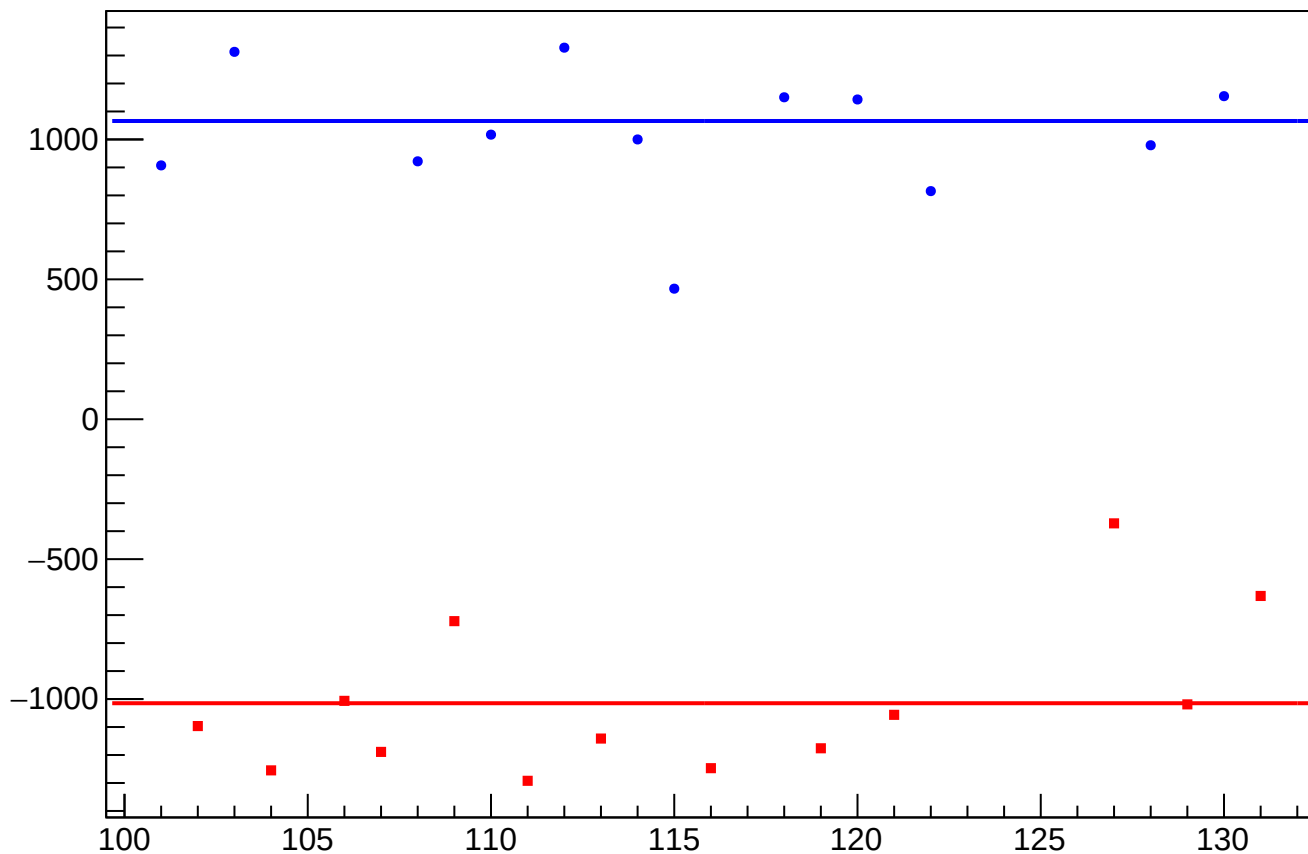
251.111+/-0.000  $\chi^2/\text{NDF}$ : 7644557143517413291807118911109857280.0/11

13.437+/-0.000  $\chi^2/\text{NDF}$ : 6365953007146

-199.915+/-0.000  $\chi^2/\text{NDF}$ : 2416295197309641737035051705070256128.0/12



dit\_sam6\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

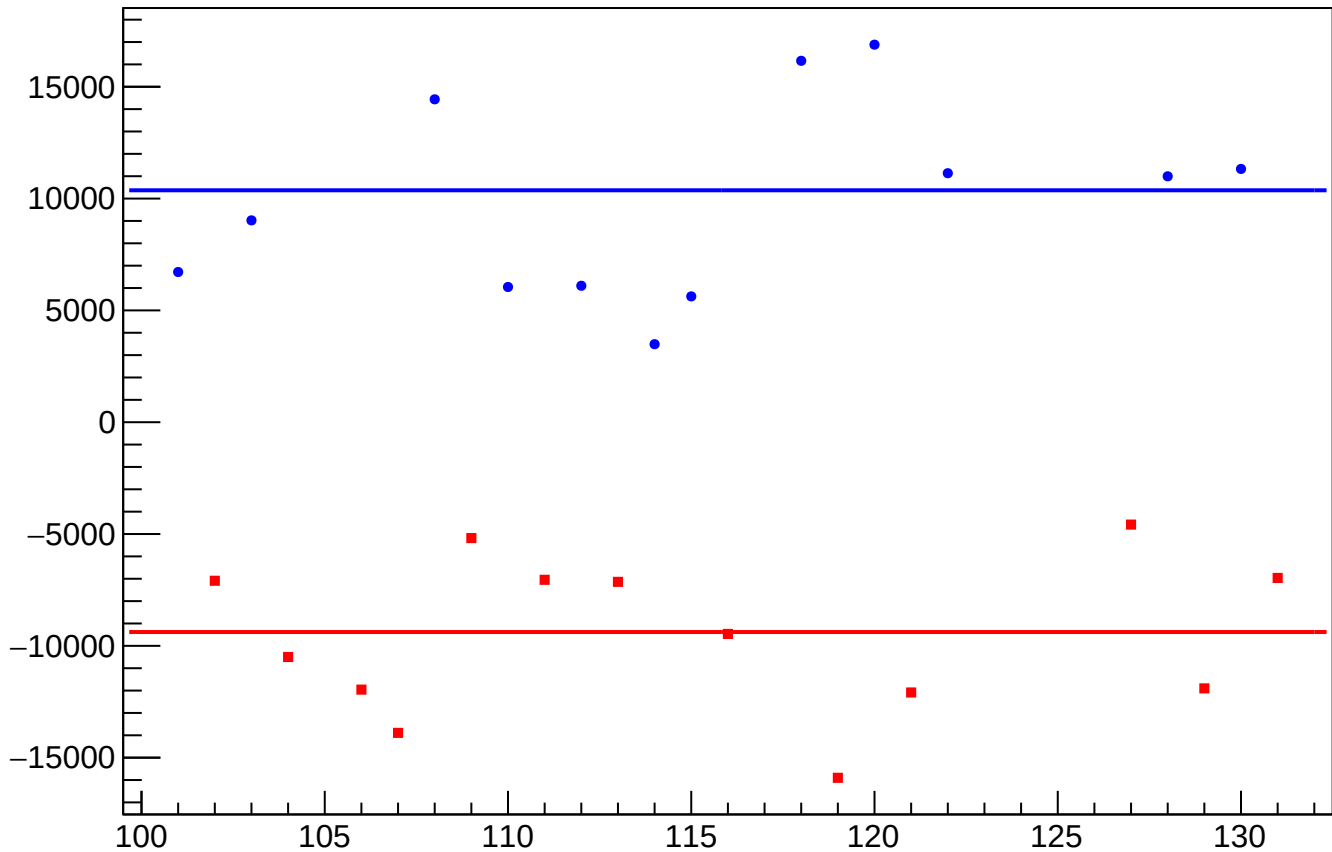
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

dit\_sam7\_coil1\_mean vs Slug, Sign Corrected



Right In: 10370.532+/-0.000  $\chi^2/\text{NDF}$ : 7247929995884398372172330844499864453120.0/11

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

Right Out: -9381.793+/-0.000  $\chi^2/\text{NDF}$ : 6653706466580288010316961996135542554624.0/12

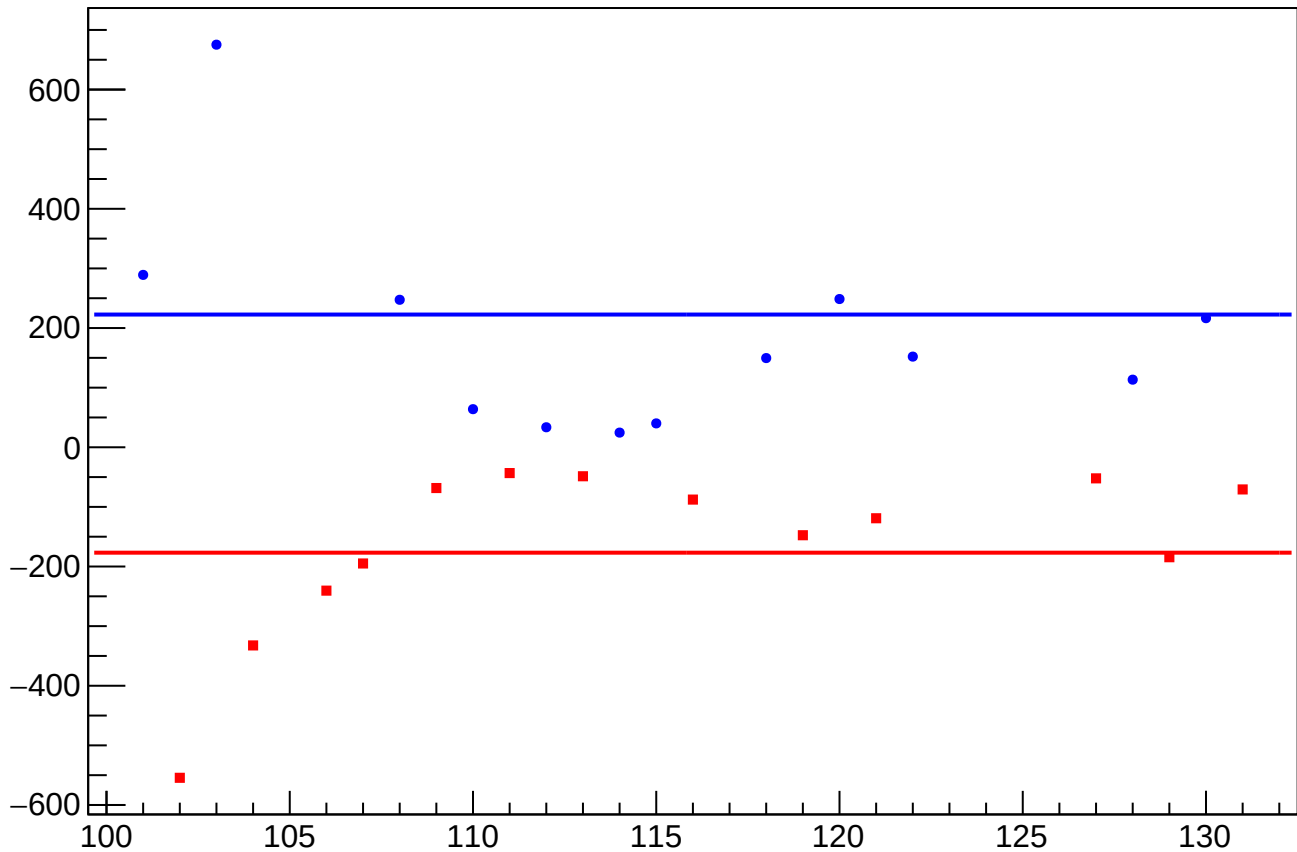
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

10370.532+/-0.000  $\chi^2/\text{NDF}$ : 7247929995884398372172330844499864453120.0/11

-38.214+/-0.000  $\chi^2/\text{NDF}$ : 116700112012.0/12

-9381.793+/-0.000  $\chi^2/\text{NDF}$ : 6653706466580288010316961996135542554624.0/12

dit\_sam7\_coil1\_err\_mean vs Slug, Sign Corrected



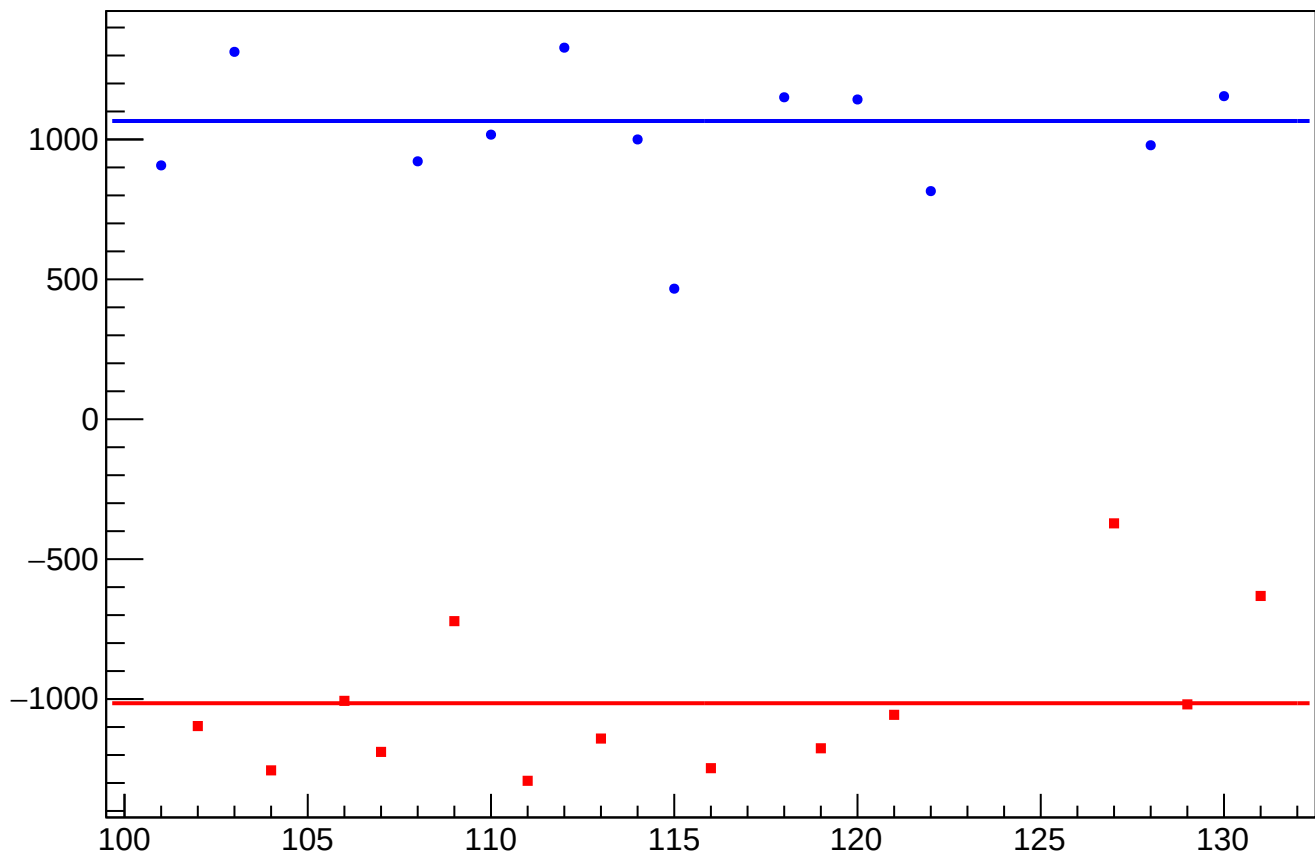
Right In: 222.628+/-0.000  $\chi^2/\text{NDF}$ : 17064313421949620232222306895289909248.0/11

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

Right Out: -176.795+/-0.000  $\chi^2/\text{NDF}$ : 13260407279007847061661289455399469056.0/12

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

dit\_sam7\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

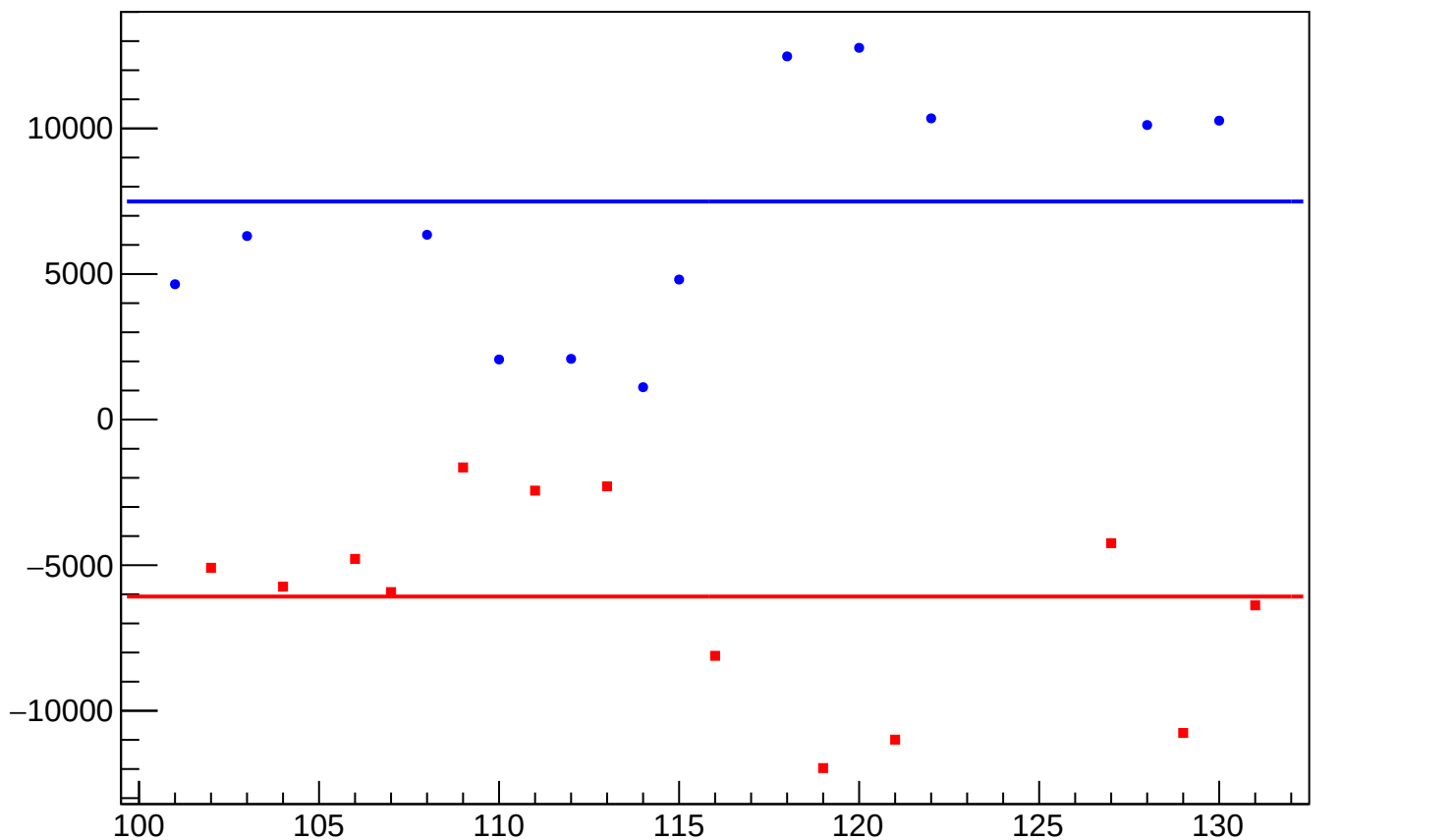
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

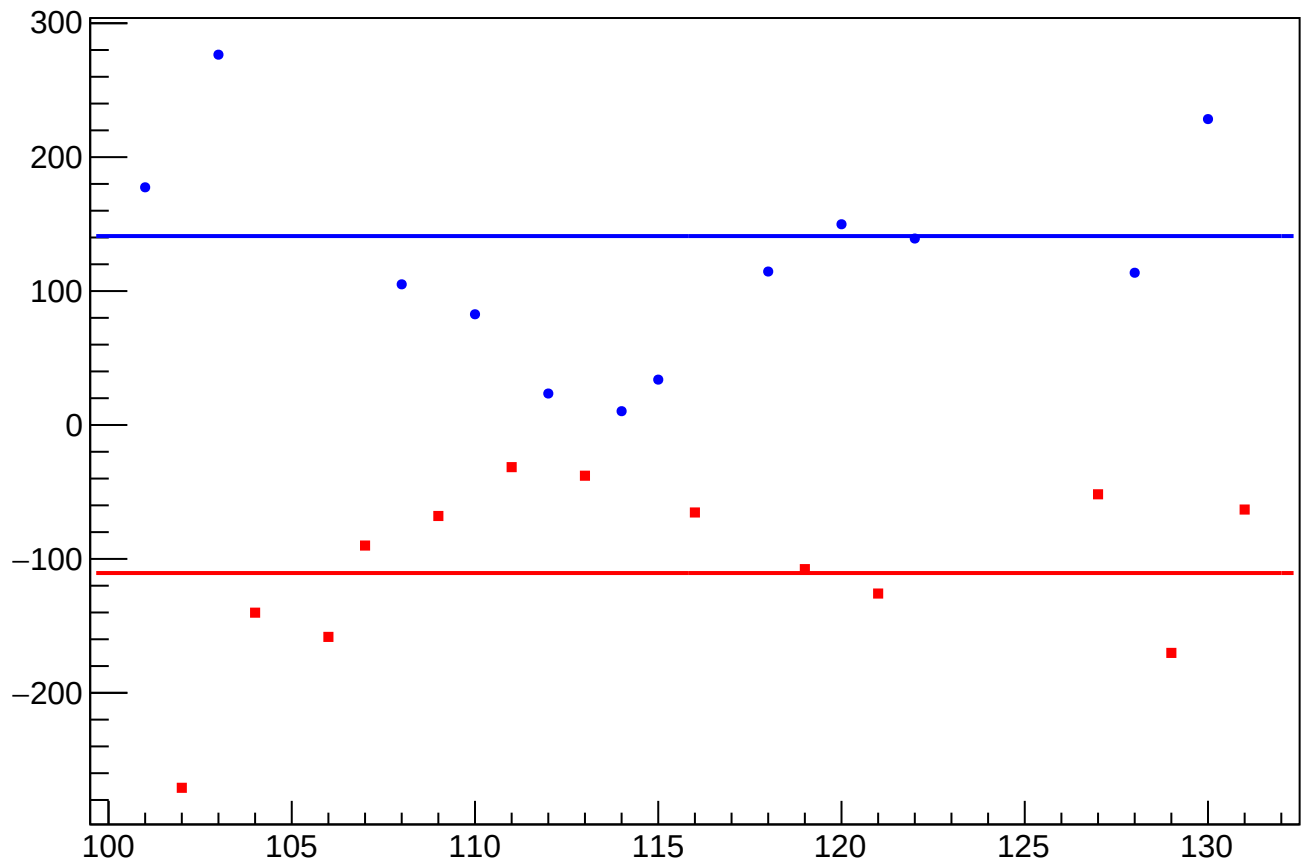
-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

dit\_sam8\_coil1\_mean vs Slug, Sign Corrected



Right In: 7491.672+/-0.000  $\chi^2/\text{NDF}$ : 7056223658813701785111029987451426832384.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -6076.442+/-0.000  $\chi^2/\text{NDF}$ : 6283946601394604038440218281508318740480.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 141.065+/-0.000  $\chi^2/\text{NDF}$ : 2847660571391035809547756116677492736.0/11

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

Right Out: -110.543+/-0.000  $\chi^2/\text{NDF}$ : 2678574112744820060593653810326405120.0/12

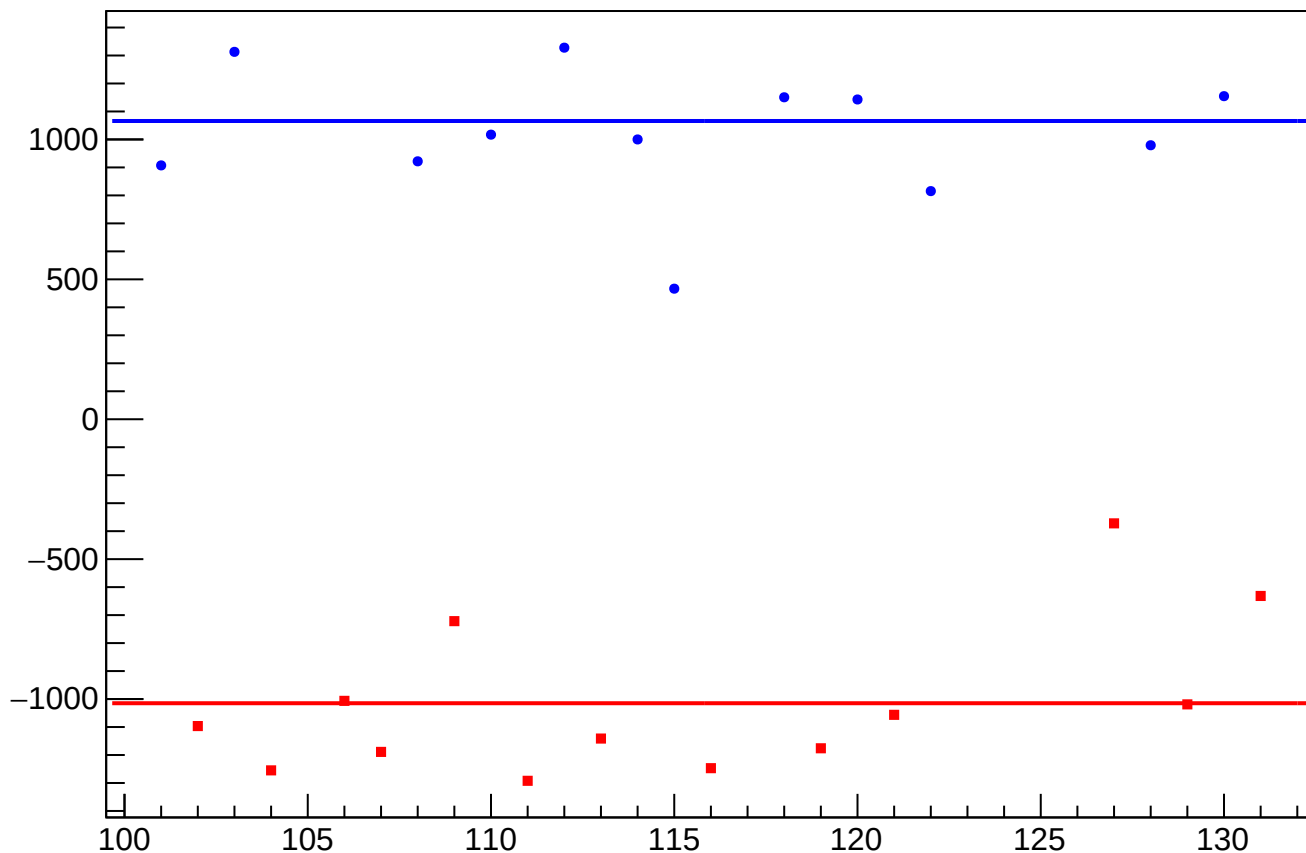
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

141.065+/-0.000  $\chi^2/\text{NDF}$ : 2847660571391035809547756116677492736.0/11

8.477+/-0.000  $\chi^2/\text{NDF}$ : 22206330597524

-110.543+/-0.000  $\chi^2/\text{NDF}$ : 2678574112744820060593653810326405120.0/12

dit\_sam8\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1065.950+/-0.000  $\chi^2/\text{NDF}$ : 17735451616971209315042609449748398080.0/11

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

Right Out: -1014.948+/-0.000  $\chi^2/\text{NDF}$ : 39091120049483089253263663841849376768.0/12

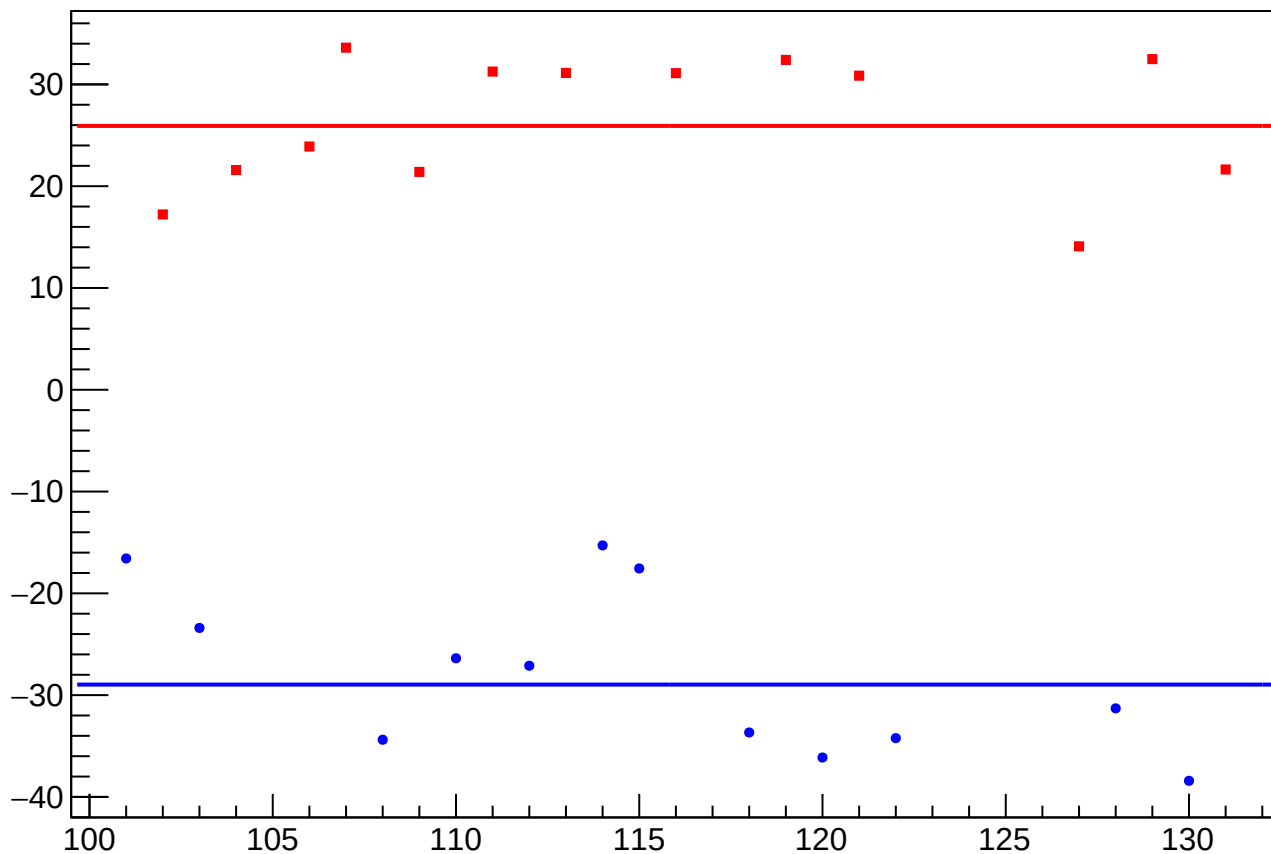
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1065.950+/-0.000  $\chi^2/\text{NDF}$ : 1773545161697120

-30.606+/-0.000  $\chi^2/\text{NDF}$ : 119773758070

-1014.948+/-0.000  $\chi^2/\text{NDF}$ : 390911200494830

dit\_4aX\_coil3\_mean vs Slug, Sign Corrected



Right In: -28.965+/-0.000  $\chi^2/\text{NDF}$ : 25326127472495487507532384084951040.0/11

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

Right Out: 25.924+/-0.000  $\chi^2/\text{NDF}$ : 23502491262514765817889971740082176.0/12

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

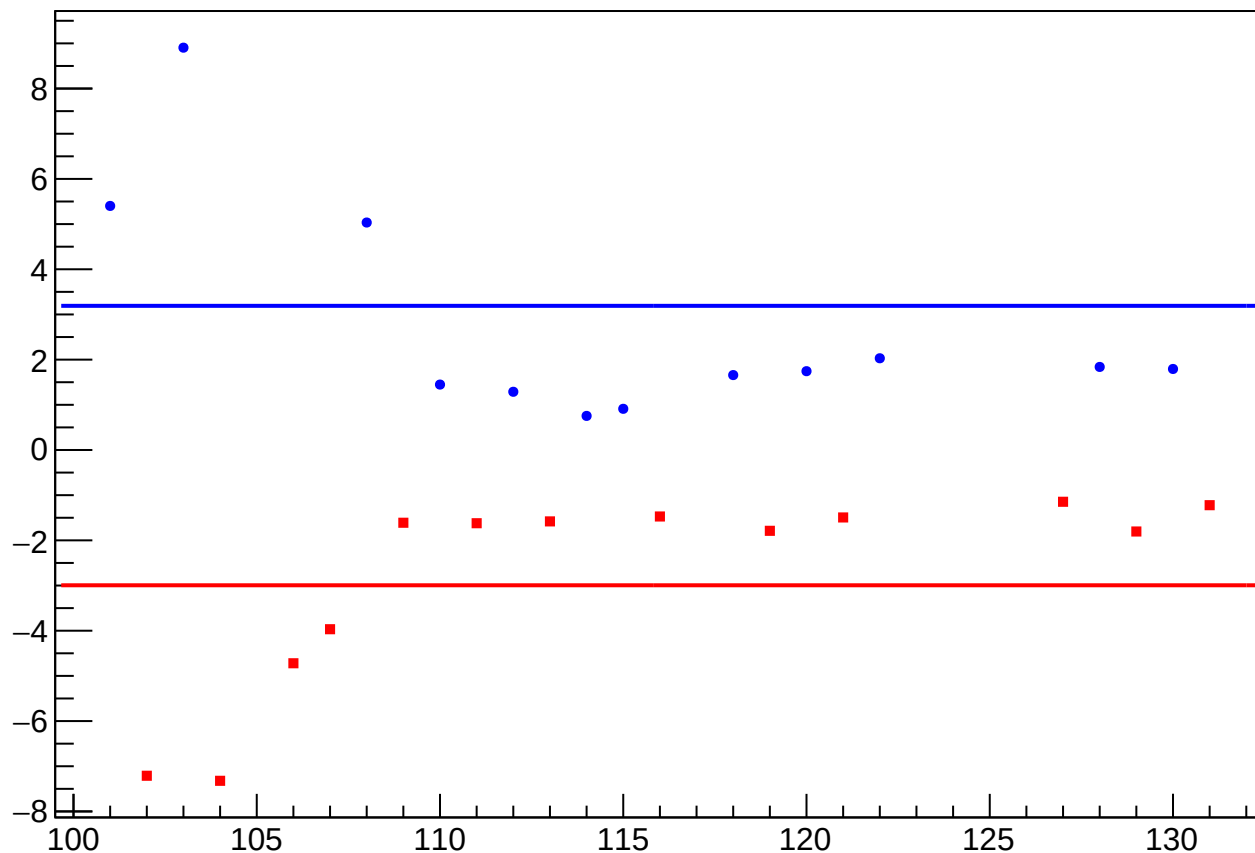
-28.965+/-0.000  $\chi^2/\text{NDF}$ : 25326127472495487

-0.040+/-0.000  $\chi^2/\text{NDF}$ : 8426313492206

25.924+/-0.000  $\chi^2/\text{NDF}$ : 235024912625147658



# dit\_4aX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 3.191+/-0.000  $\chi^2/\text{NDF}$ : 3217717189577512935546967228940288.0/11

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

Right Out: -2.994+/-0.000  $\chi^2/\text{NDF}$ : 2934740474403607574599023198208000.0/12

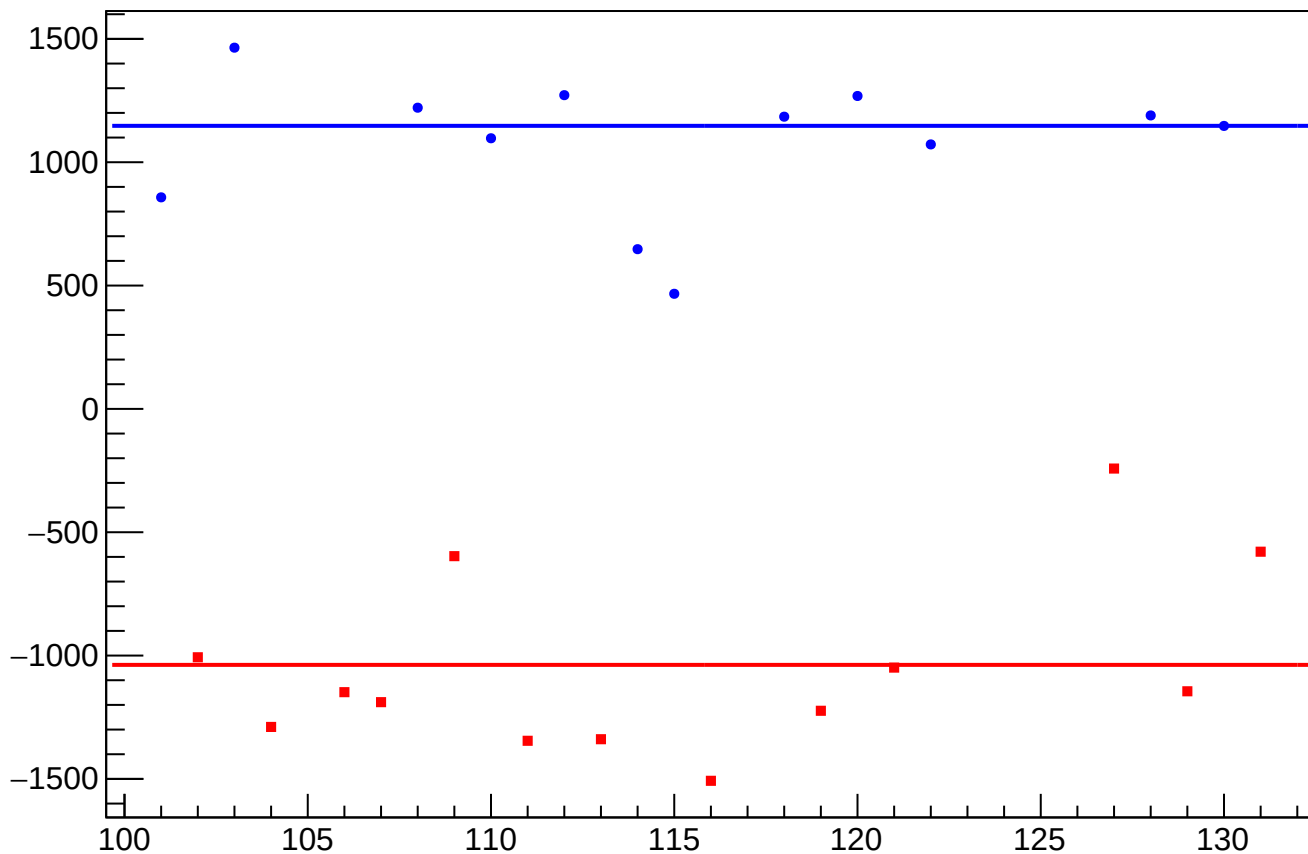
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.191+/-0.000  $\chi^2/\text{NDF}$ : 3217717189577512935546967228940288.0/11

-0.069+/-0.000  $\chi^2/\text{NDF}$ : 16232555729314000.0/12

-2.994+/-0.000  $\chi^2/\text{NDF}$ : 2934740474403607574599023198208000.0/12

dit\_4aX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

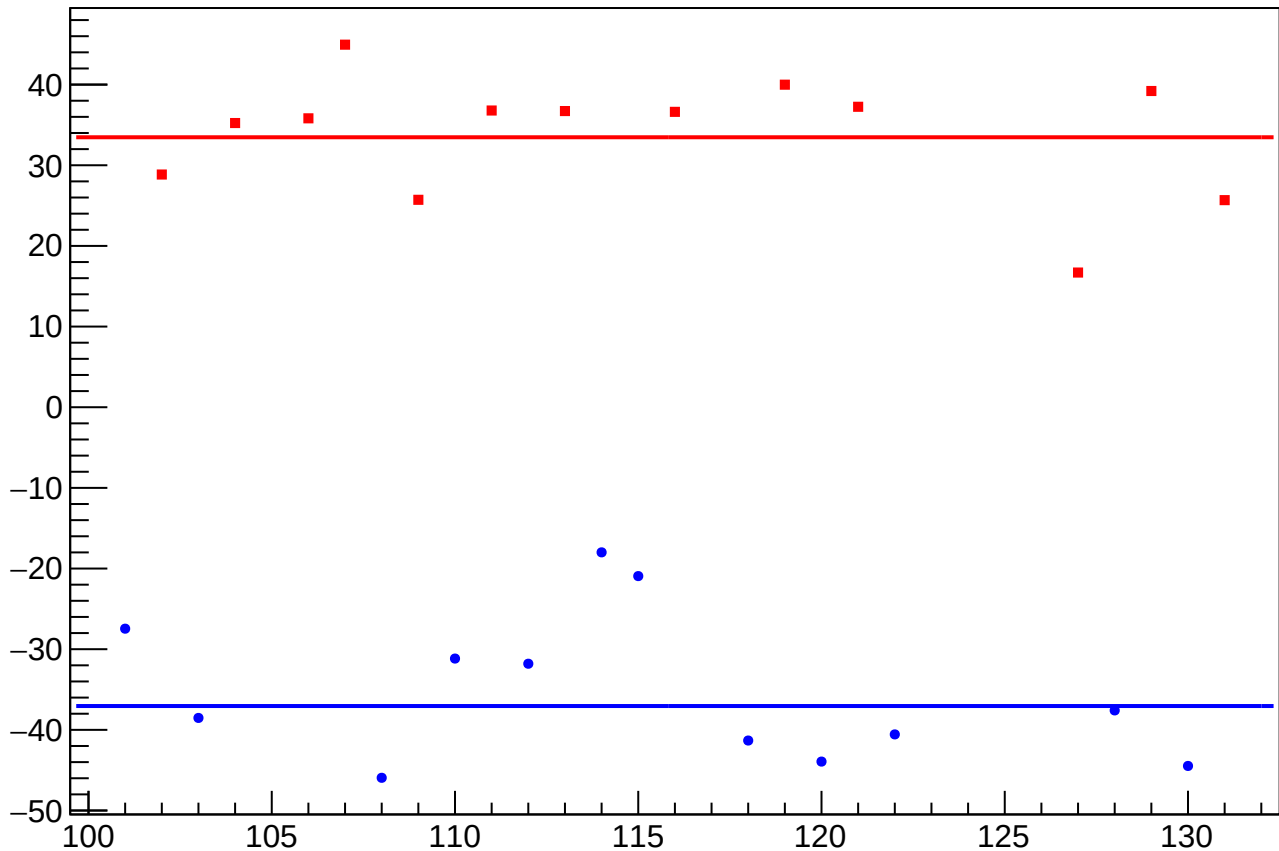
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

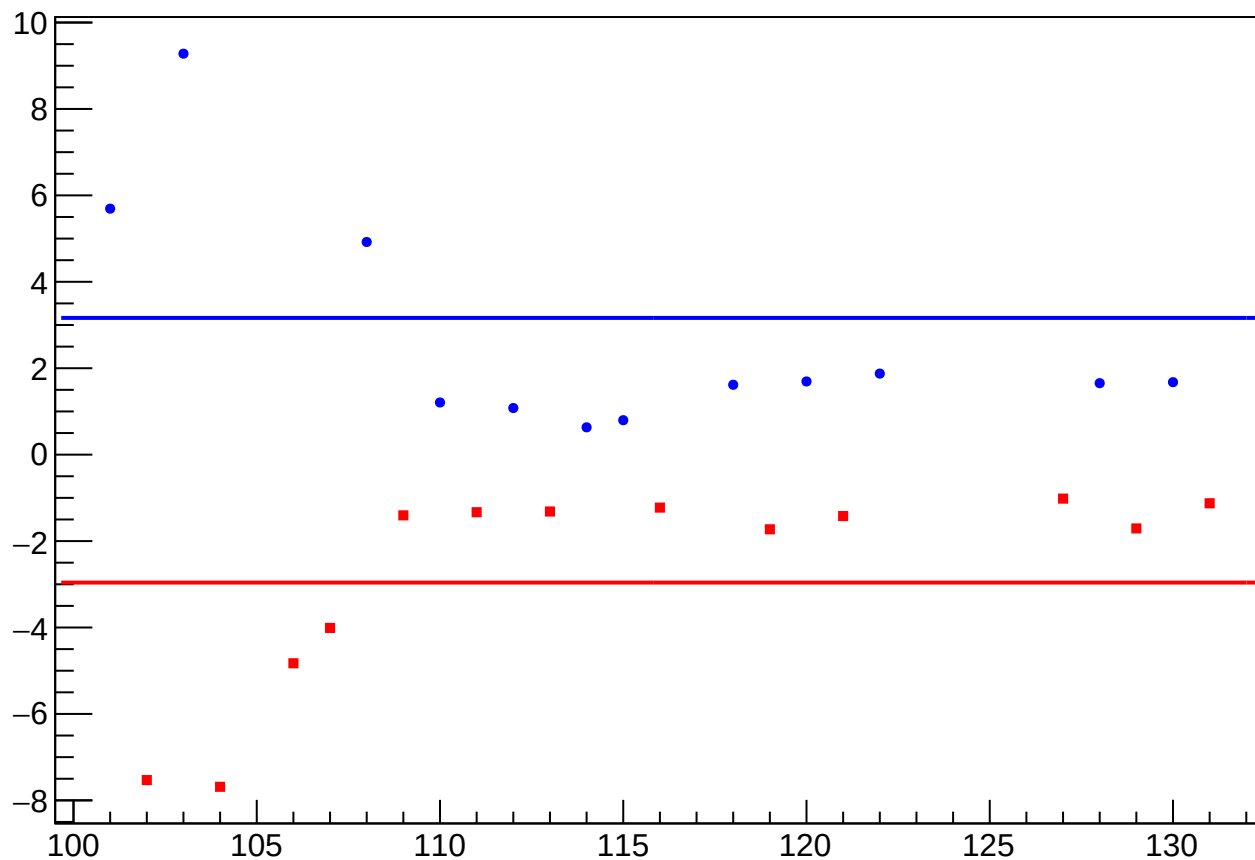
-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_4eX\_coil3\_mean vs Slug, Sign Corrected



Right In: -37.046+/-0.000  $\chi^2/\text{NDF}$ : 24681061951352671692125739954470912.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 33.470+/-0.000  $\chi^2/\text{NDF}$ : 29159910362583173485568334181171200.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 3.164+/-0.000  $\chi^2/\text{NDF}$ : 3704733353962639594154803414958080.0/11

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

Right Out: -2.960+/-0.000  $\chi^2/\text{NDF}$ : 3468815786332829288945901860028416.0/12

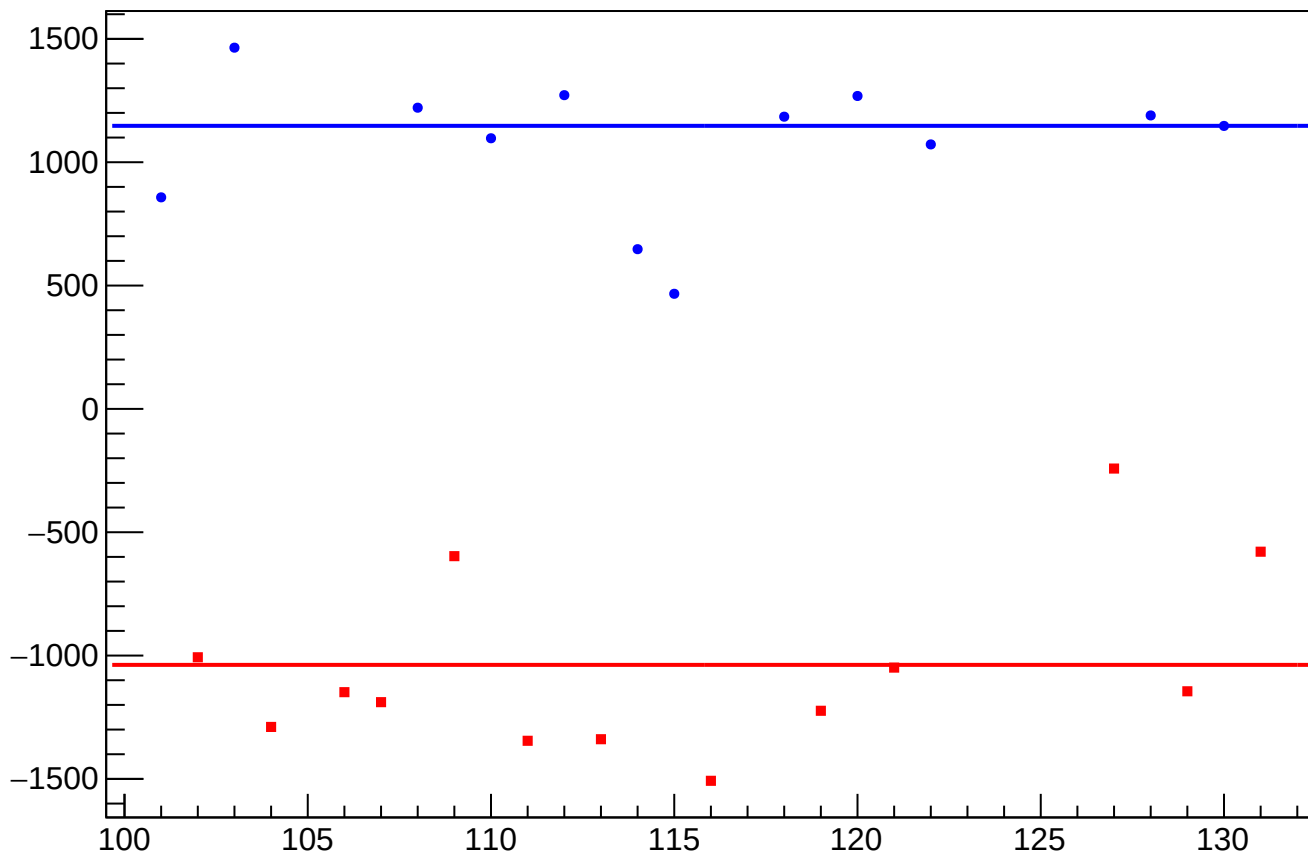
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.164+/-0.000  $\chi^2/\text{NDF}$ : 3704733353962639594

-0.063+/-0.000  $\chi^2/\text{NDF}$ : 1705706106404

-2.960+/-0.000  $\chi^2/\text{NDF}$ : 346881578633282928

dit\_4eX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

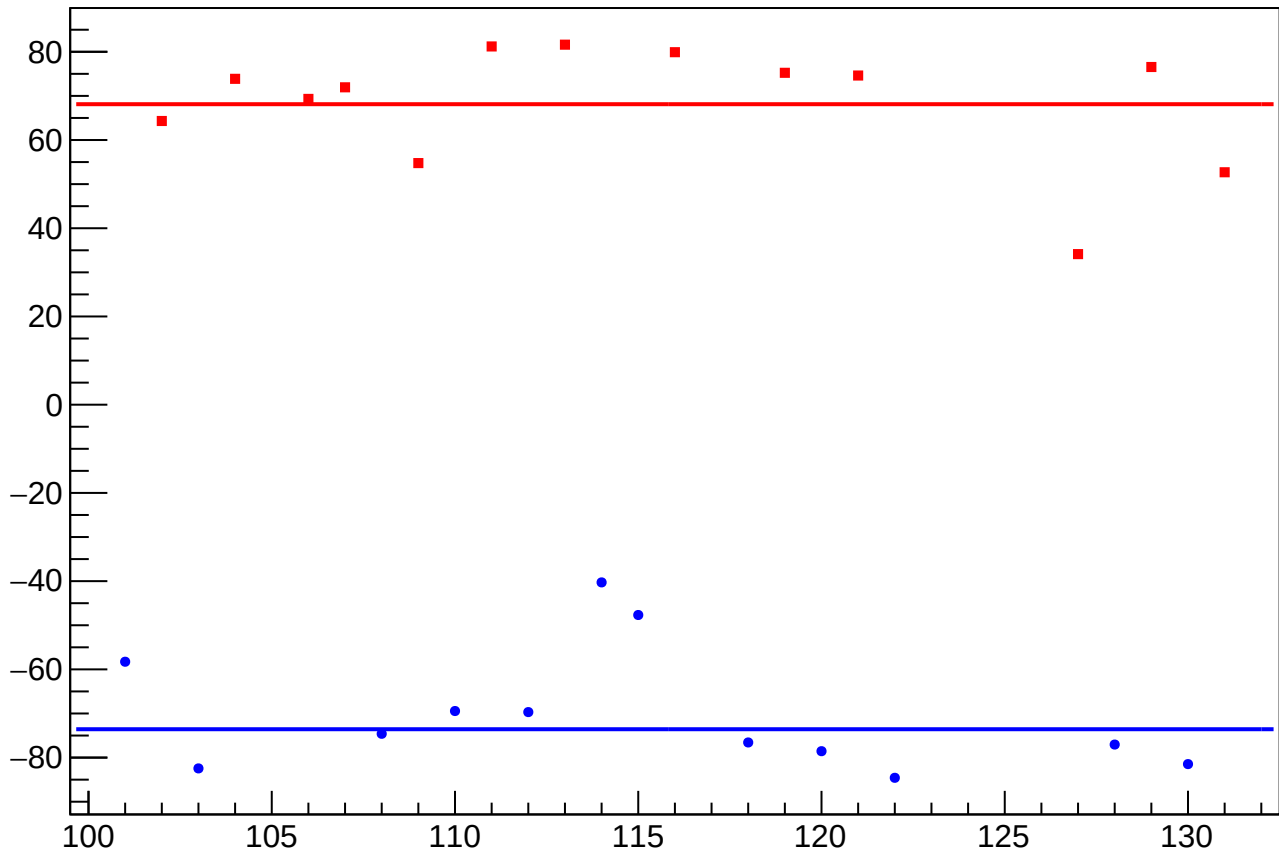
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

dit\_11X12X\_coil3\_mean vs Slug, Sign Corrected



Right In: -73.568+/-0.000  $\chi^2/\text{NDF}$ : 51468911838692917771406113828241408.0/11

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

Right Out: 68.119+/-0.000  $\chi^2/\text{NDF}$ : 97690829012816448547396657591877632.0/12

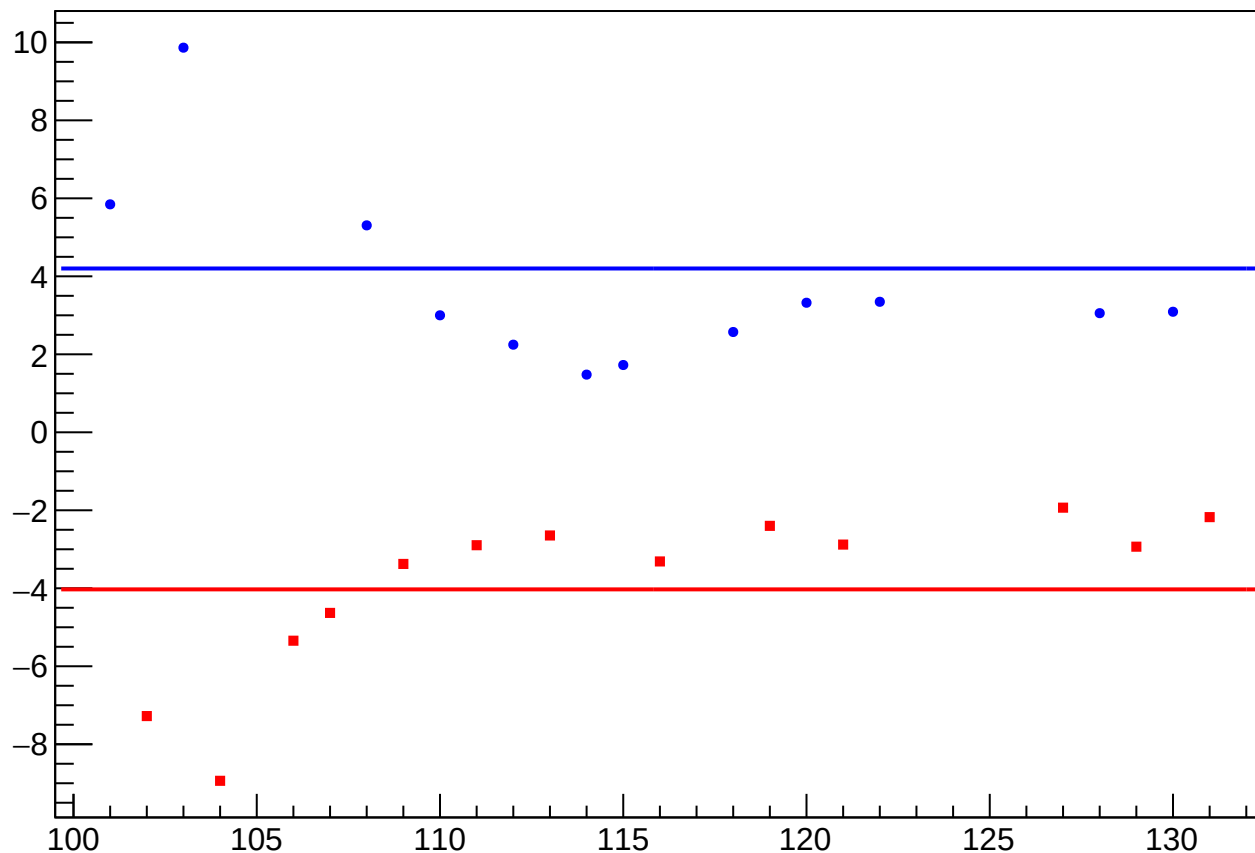
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

-73.568+/-0.000  $\chi^2/\text{NDF}$ : 51468911838692917

1.096+/-0.000  $\chi^2/\text{NDF}$ : 54386482839739

68.119+/-0.000  $\chi^2/\text{NDF}$ : 976908290128164485

dit\_11X12X\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 4.201+/-0.000  $\chi^2/\text{NDF}$ : 2832823303918246162845769918316544.0/11

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

Right Out: -4.028+/-0.000  $\chi^2/\text{NDF}$ : 2646502616504908062547712453640192.0/12

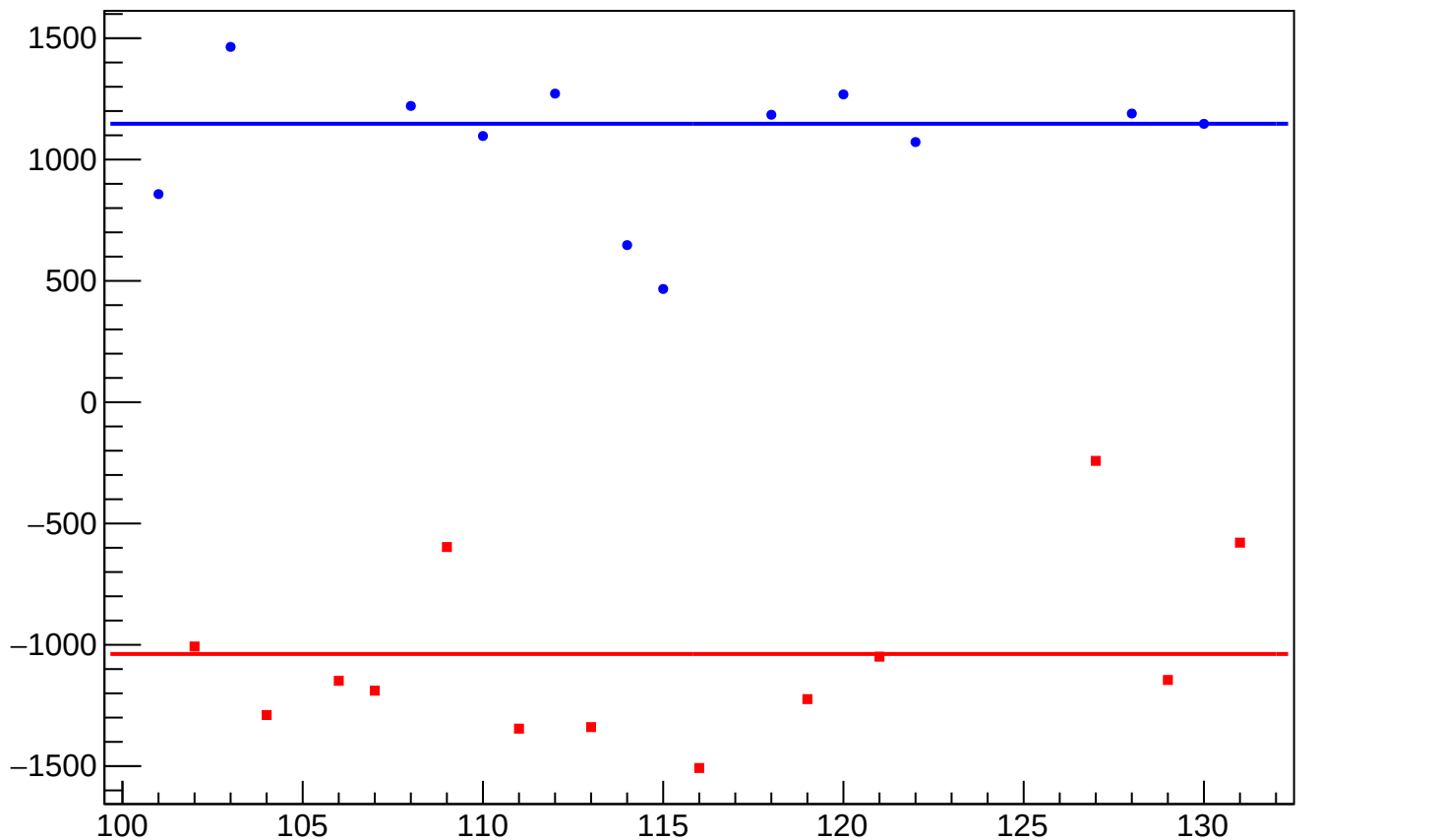
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.201+/-0.000  $\chi^2/\text{NDF}$ : 2832823303918246162845769918316544.0/11

-0.136+/-0.000  $\chi^2/\text{NDF}$ : 23321881195910

-4.028+/-0.000  $\chi^2/\text{NDF}$ : 2646502616504908062547712453640192.0/12

dit\_11X12X\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

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

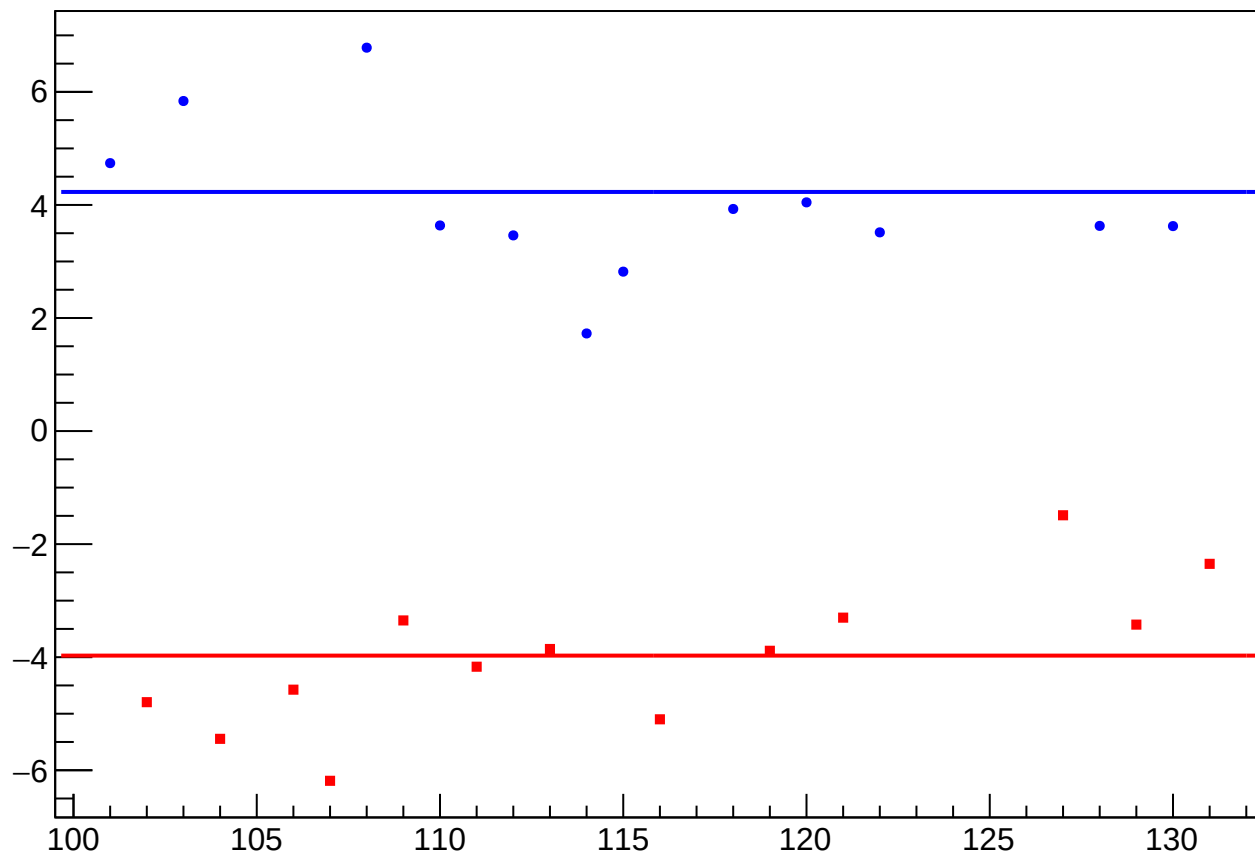
1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753



dit\_4aY\_coil3\_mean vs Slug, Sign Corrected



Right In: 4.230+/-0.000  $\chi^2/\text{NDF}$ : 622077695347806712484156919513088.0/11

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

Right Out: -3.972+/-0.000  $\chi^2/\text{NDF}$ : 788574015274606696269482880401408.0/12

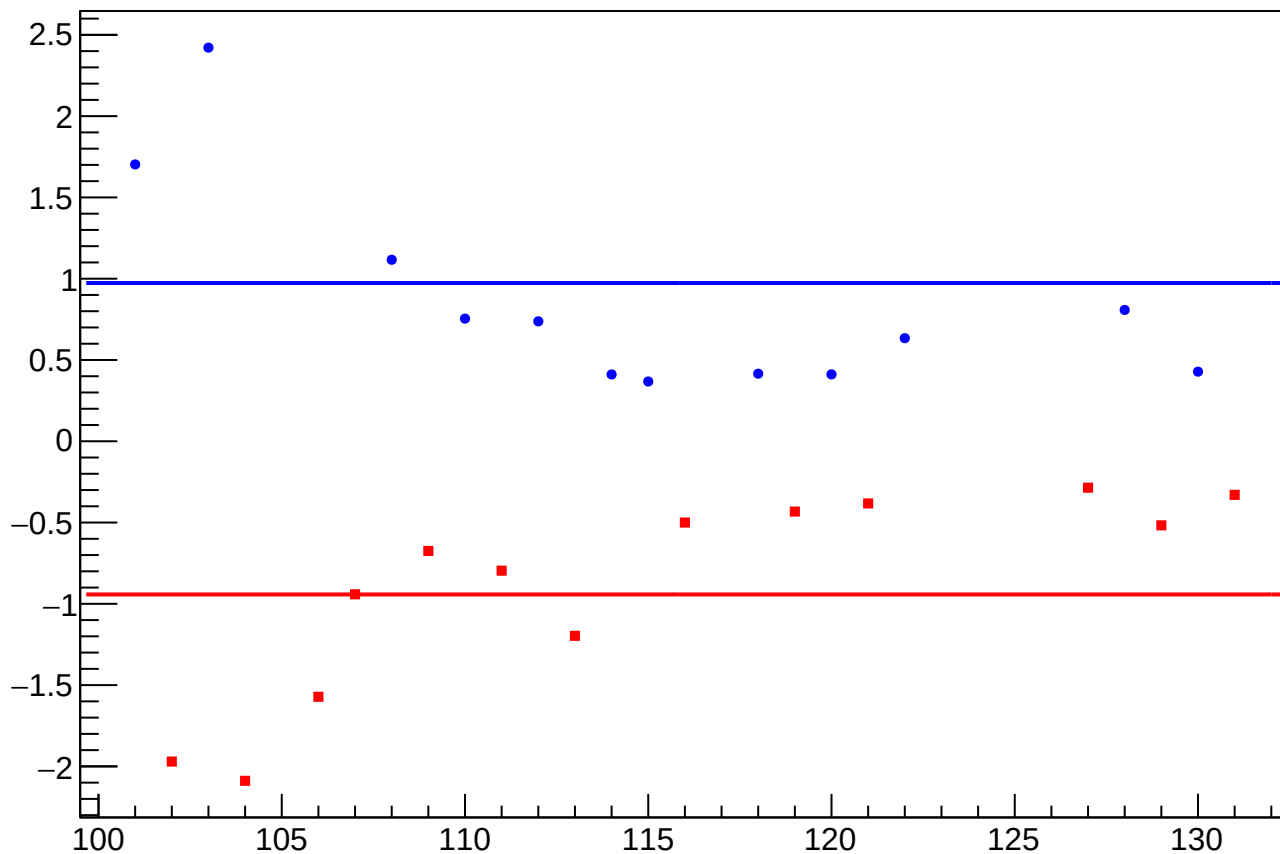
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.230+/-0.000  $\chi^2/\text{NDF}$ : 622077695347806712484156919513088.0/11

-0.092+/-0.000  $\chi^2/\text{NDF}$ : 19136990217510.0/11

-3.972+/-0.000  $\chi^2/\text{NDF}$ : 788574015274606696269482880401408.0/12

dit\_4aY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.973+/-0.000  $\chi^2/\text{NDF}$ : 217694746590331048073444976492544.0/11

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

Right Out: -0.942+/-0.000  $\chi^2/\text{NDF}$ : 219378956421427421741015684349952.0/12

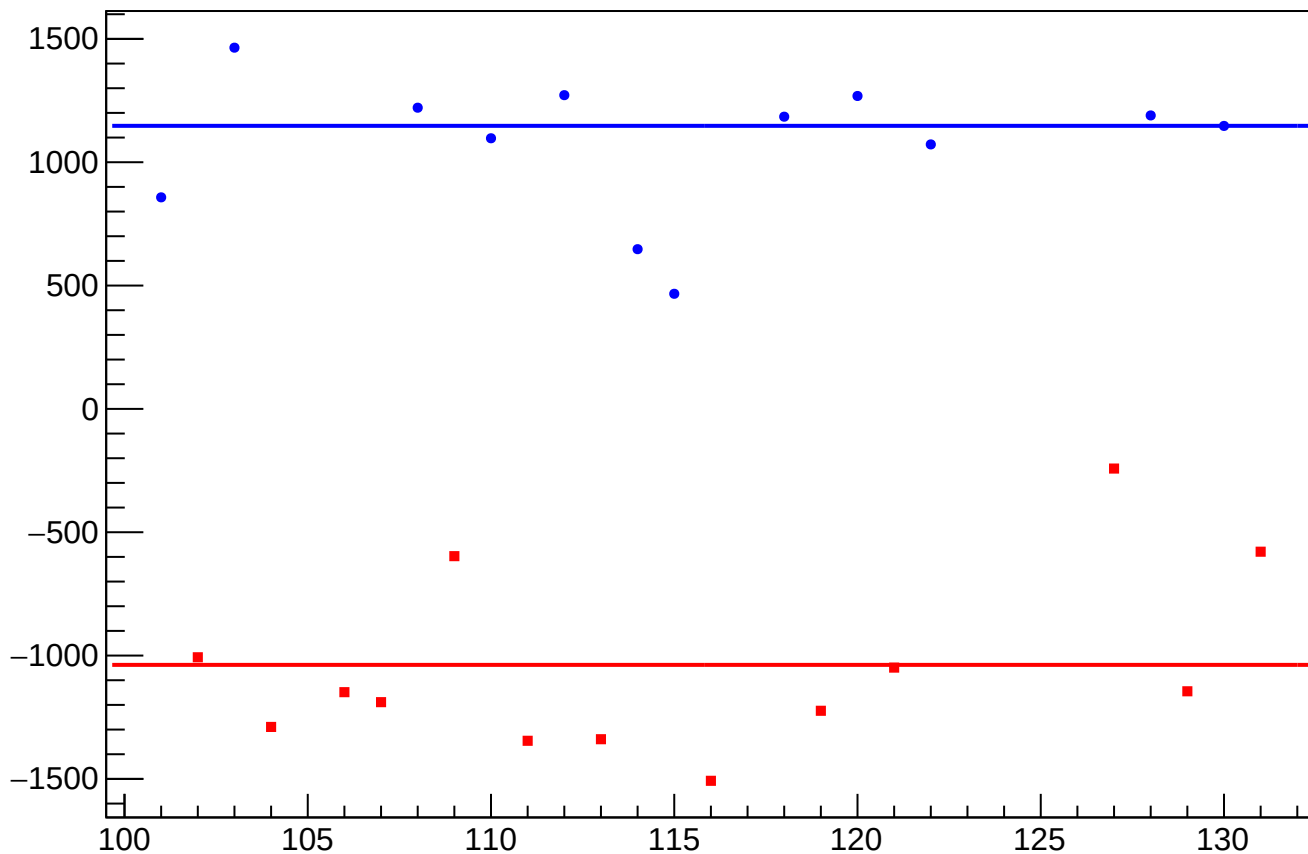
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.973+/-0.000  $\chi^2/\text{NDF}$ : 2176947465903310480

-0.036+/-0.000  $\chi^2/\text{NDF}$ : 1404027652068

-0.942+/-0.000  $\chi^2/\text{NDF}$ : 219378956421427421

dit\_4aY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

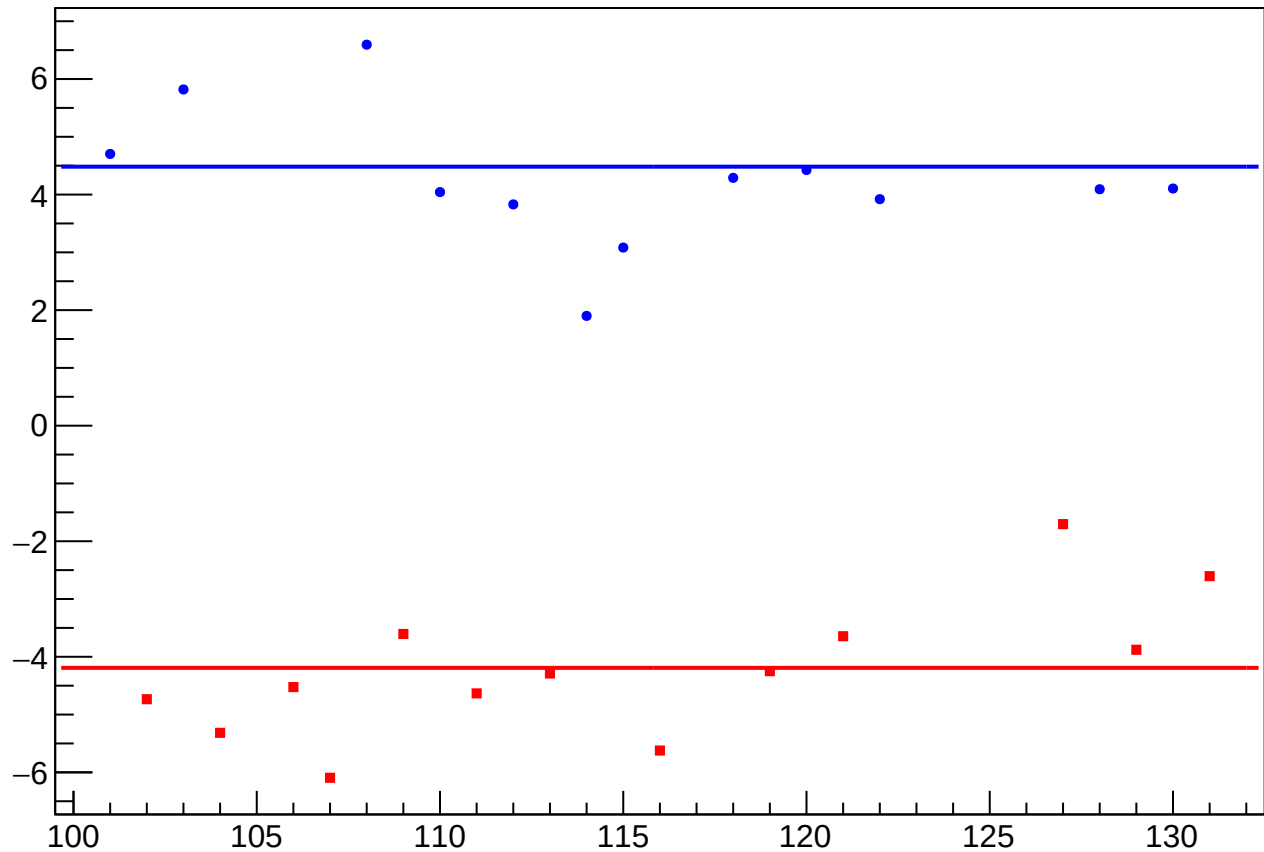
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_4eY\_coil3\_mean vs Slug, Sign Corrected



Right In: 4.483+/-0.000  $\chi^2/\text{NDF}$ : 440161173063462070499124002684928.0/11

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

Right Out: -4.192+/-0.000  $\chi^2/\text{NDF}$ : 672948433711263949879645625647104.0/12

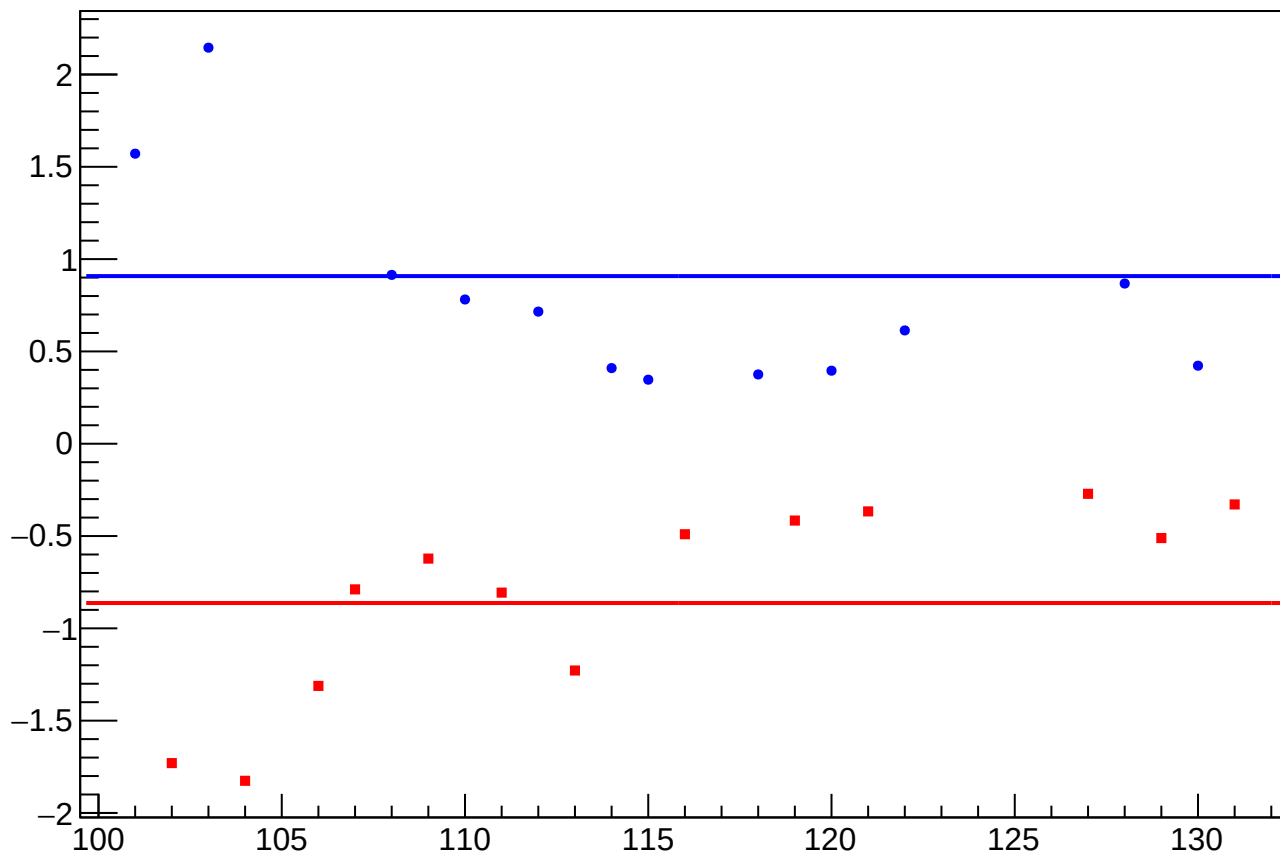
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.483+/-0.000  $\chi^2/\text{NDF}$ : 4401611730634620704

-0.088+/-0.000  $\chi^2/\text{NDF}$ : 20939736294104

-4.192+/-0.000  $\chi^2/\text{NDF}$ : 672948433711263949

dit\_4eY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.908+/-0.000  $\chi^2/\text{NDF}$ : 165507144364948178388178006179840.0/11

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

Right Out: -0.863+/-0.000  $\chi^2/\text{NDF}$ : 161254494411198193765916252045312.0/12

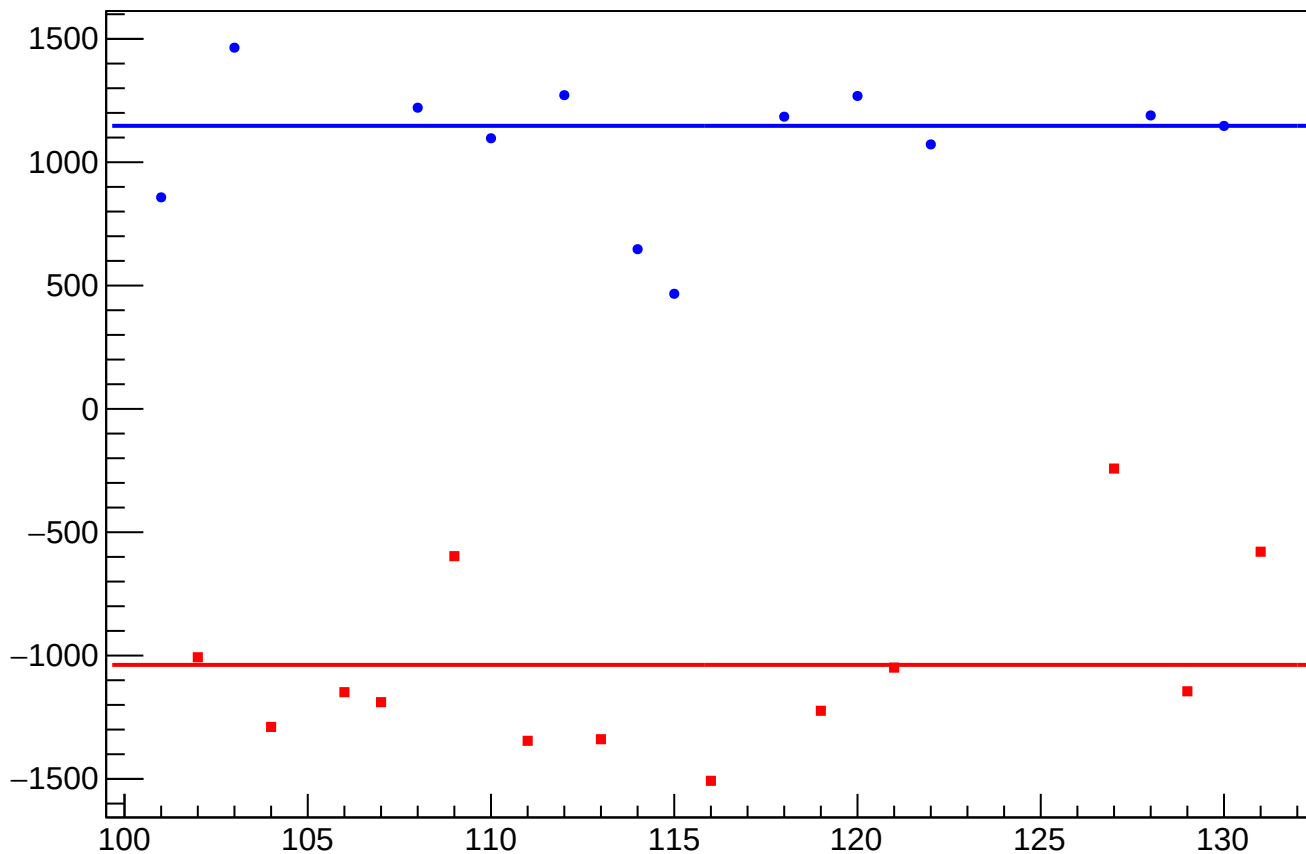
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.908+/-0.000  $\chi^2/\text{NDF}$ : 1655071443649481783

-0.025+/-0.000  $\chi^2/\text{NDF}$ : 1152919302952

-0.863+/-0.000  $\chi^2/\text{NDF}$ : 161254494411198193

dit\_4eY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

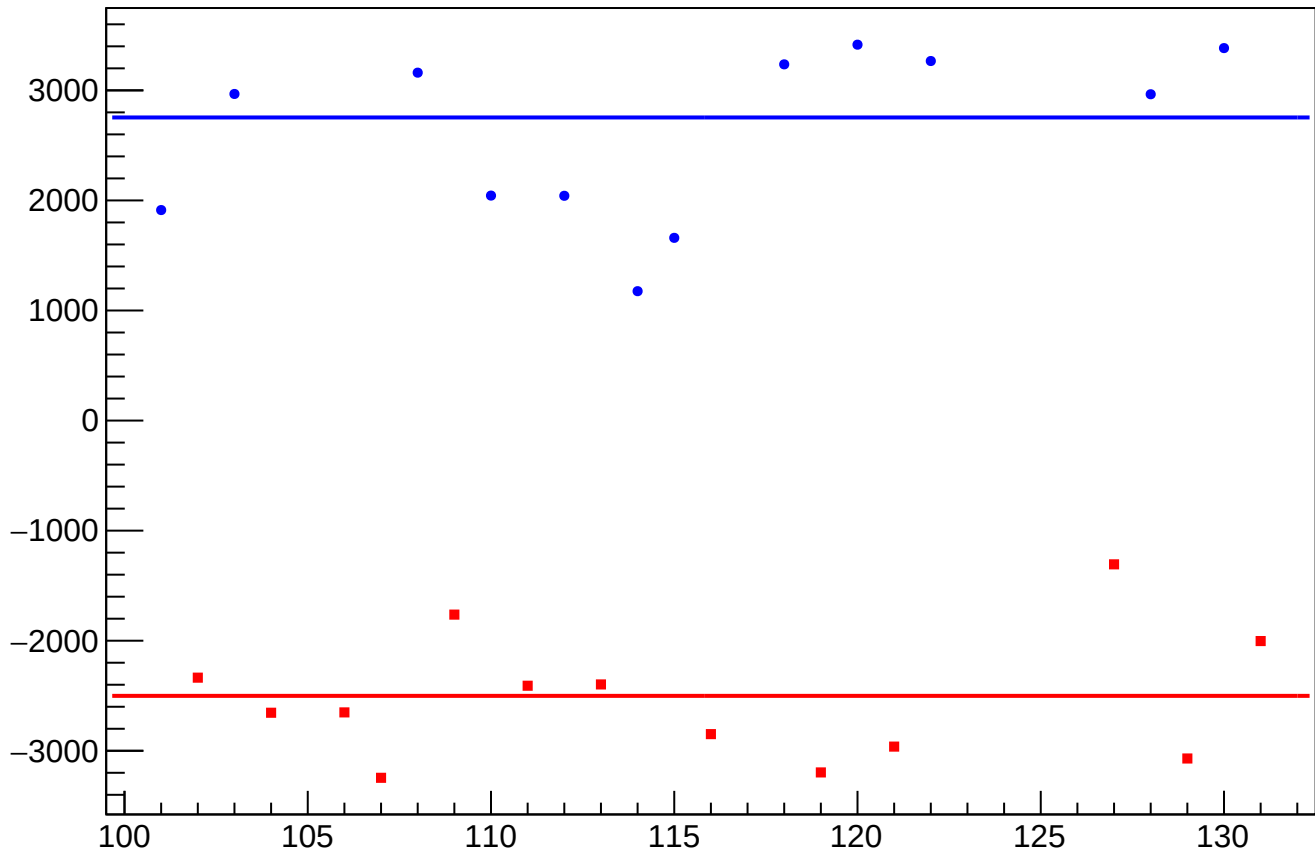
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_usl\_coil3\_mean vs Slug, Sign Corrected



Right In: 2753.797+/-0.000  $\chi^2/\text{NDF}$ : 199578045985456708846657293825416888320.0/11

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

Right Out: -2501.055+/-0.000  $\chi^2/\text{NDF}$ : 173094958389643057639523667715198812160.0/12

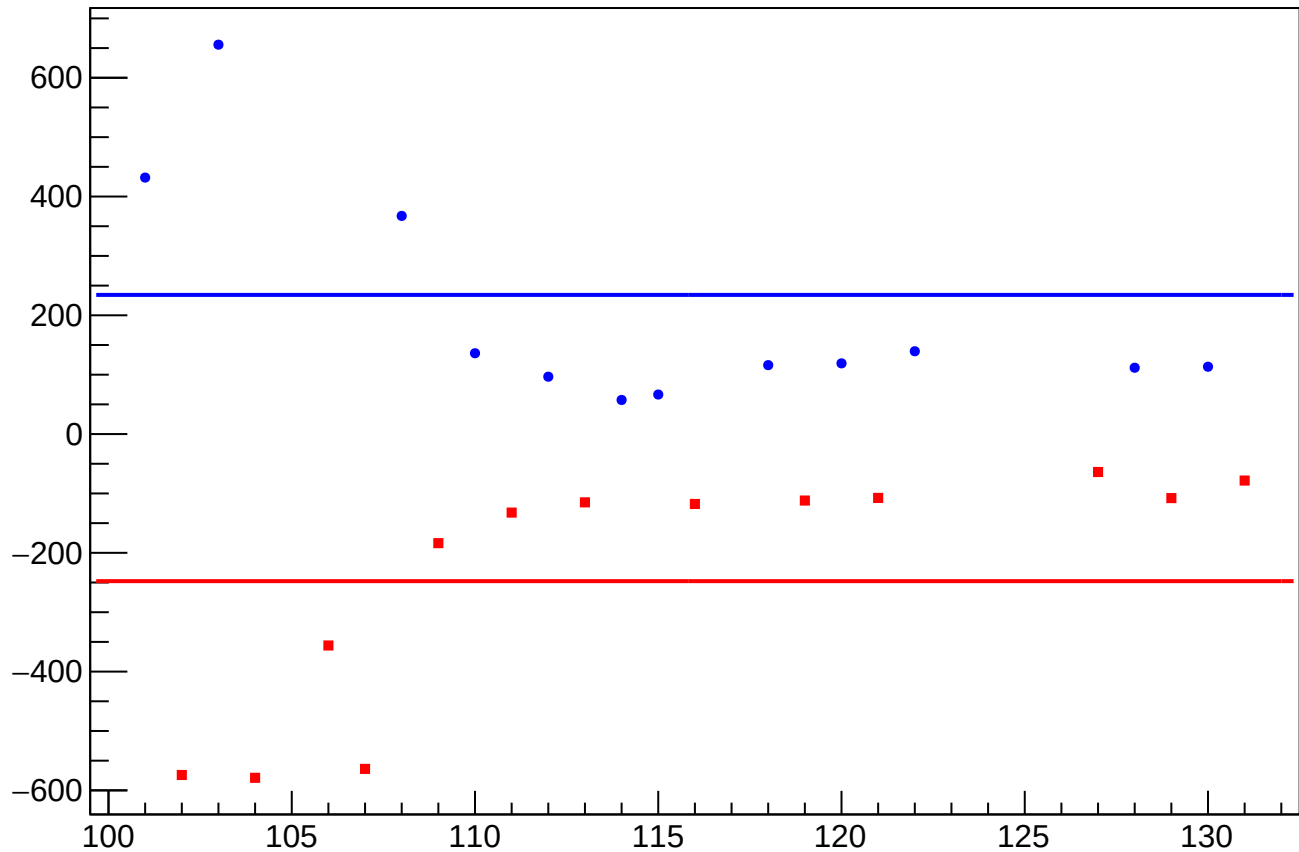
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2753.797+/-0.000  $\chi^2/\text{NDF}$ : 1995780459854567

-15.317+/-0.000  $\chi^2/\text{NDF}$ : 764831260351

-2501.055+/-0.000  $\chi^2/\text{NDF}$ : 173094958389643

dit\_usl\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 234.351+/-0.000  $\chi^2/\text{NDF}$ : 18601480496488058335905909917177872384.0/11

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

Right Out: -247.684+/-0.000  $\chi^2/\text{NDF}$ : 22867739396572811373446489430458105856.0/12

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

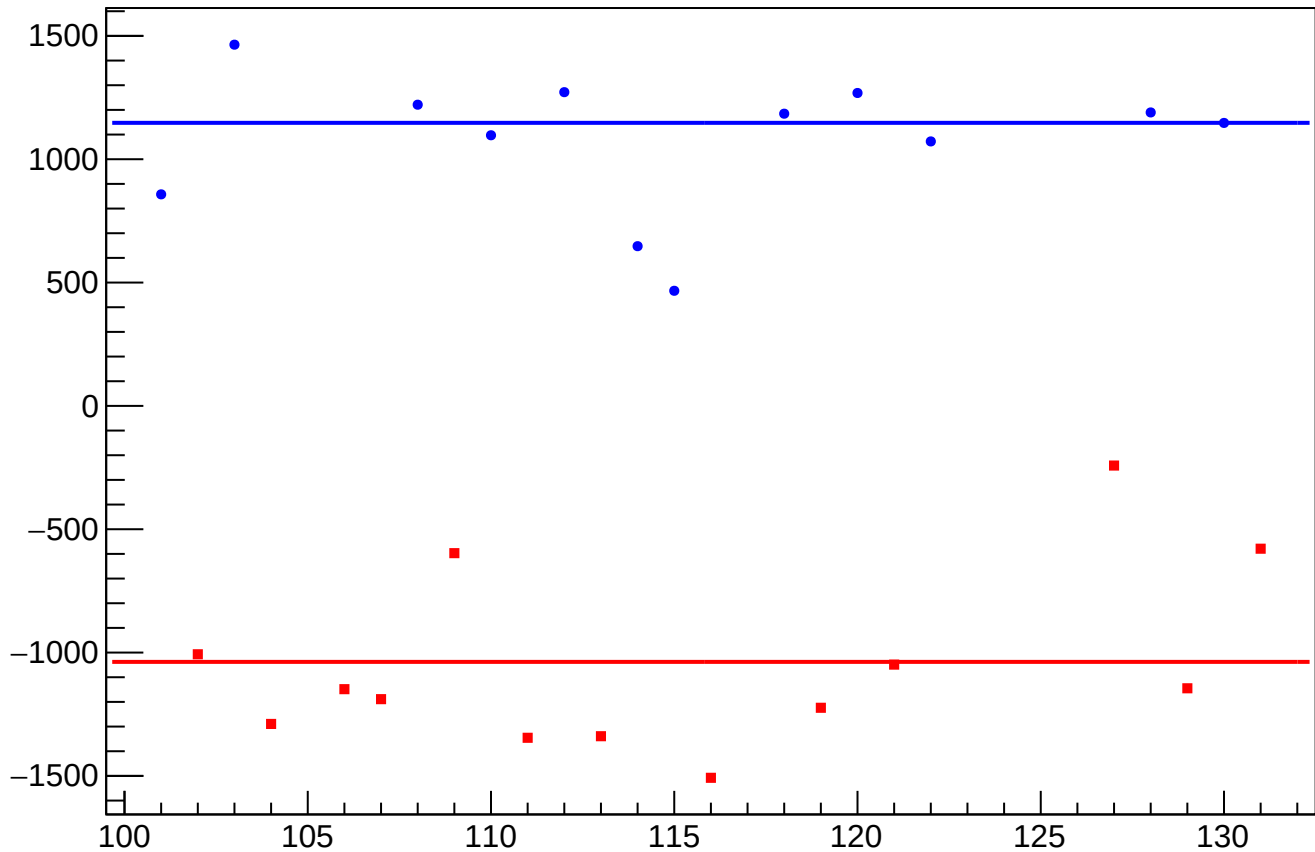
234.351+/-0.000  $\chi^2/\text{NDF}$ : 18601480496488058335905909917177872384.0/11

-19.664+/-0.000  $\chi^2/\text{NDF}$ : 1026912625570.0/1

-247.684+/-0.000  $\chi^2/\text{NDF}$ : 22867739396572811373446489430458105856.0/12



dit\_usl\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

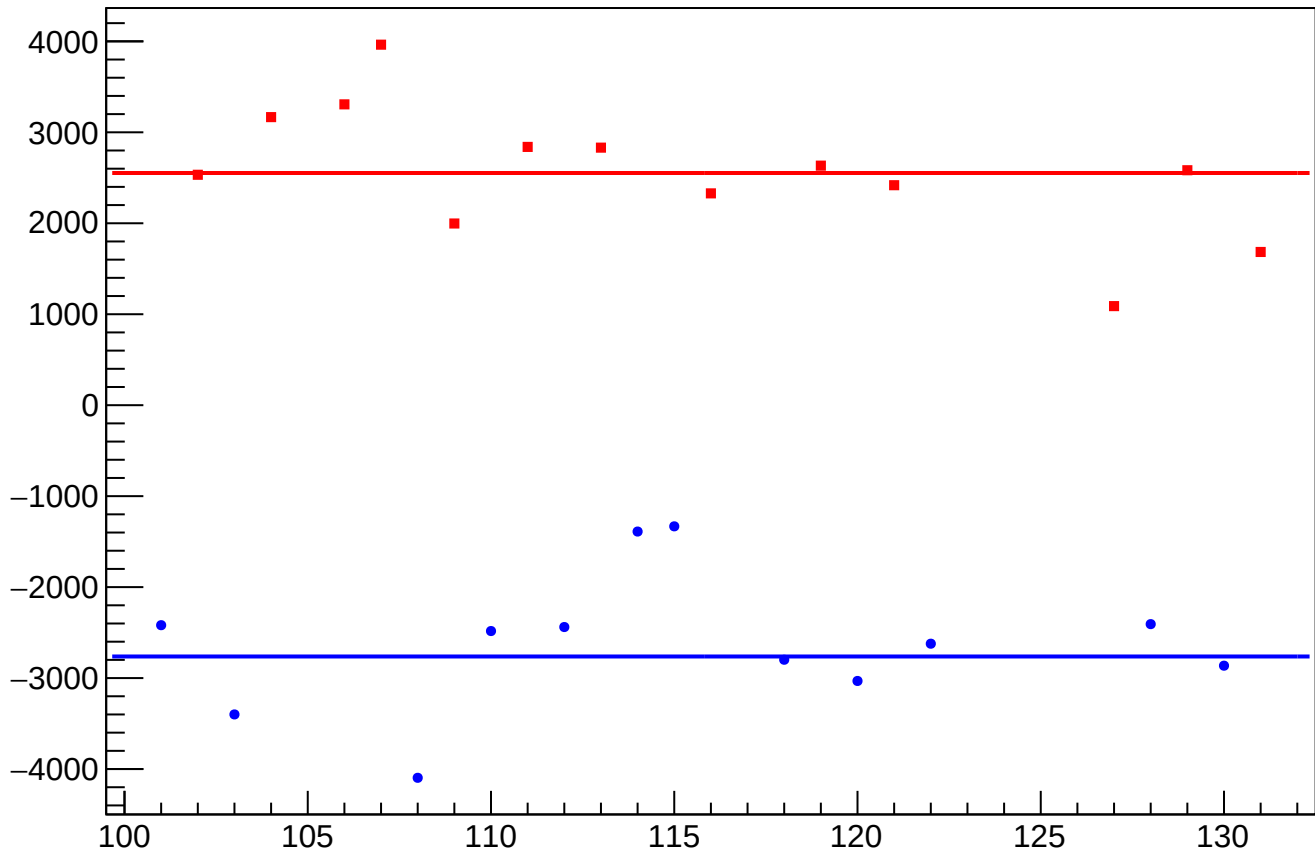
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_usr\_coil3\_mean vs Slug, Sign Corrected



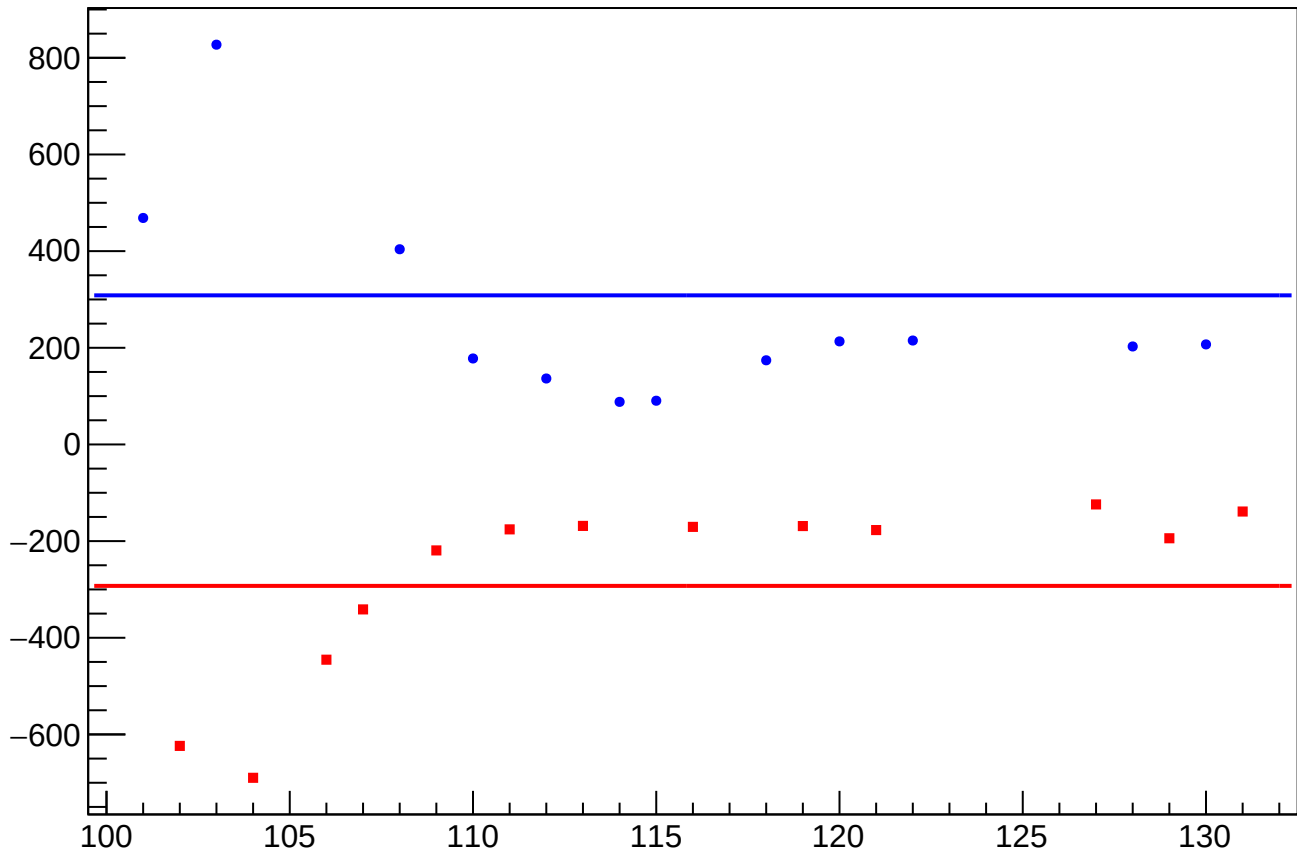
Right In: -2762.641+/-0.000  $\chi^2/\text{NDF}$ : 164487952165204948033425634253424558080.0/11

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

Right Out: 2552.643+/-0.000  $\chi^2/\text{NDF}$ : 254599273604305271959954302034050547712.0/12

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

dit\_usr\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 308.504+/-0.000  $\chi^2/\text{NDF}$ : 23726219614349615502337016953732857856.0/11

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

308.504+/-0.000  $\chi^2/\text{NDF}$ : 23726219614349615502337016953732857856.0/11

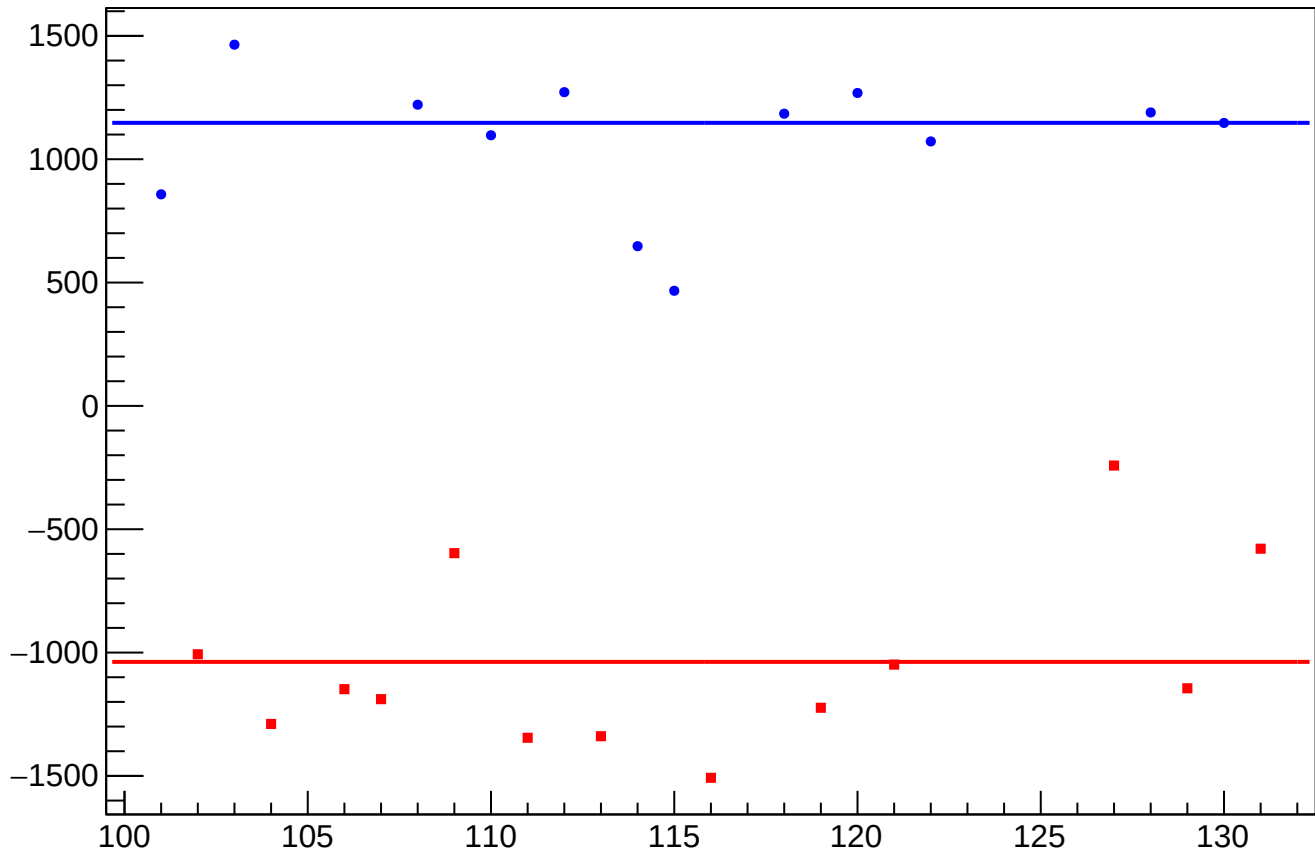
-8.279+/-0.000  $\chi^2/\text{NDF}$ : 139969498534920005760.0/12

Right Out: -292.644+/-0.000  $\chi^2/\text{NDF}$ : 21026775127822004254908273512950005760.0/12

-292.644+/-0.000  $\chi^2/\text{NDF}$ : 21026775127822004254908273512950005760.0/12

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

dit\_usr\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

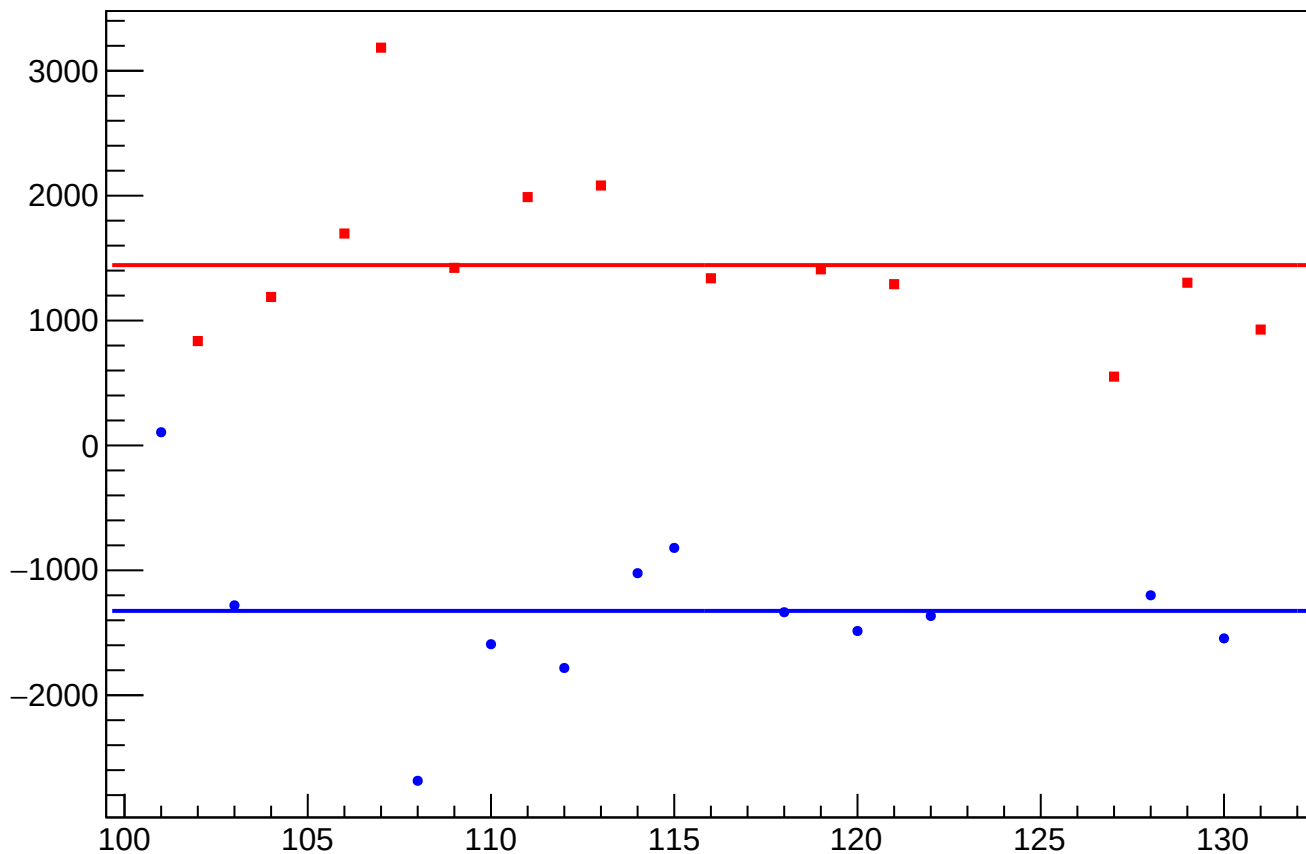
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_atl1\_coil3\_mean vs Slug, Sign Corrected



Right In: -1324.766+/-0.000  $\chi^2/\text{NDF}$ : 212670653845046342237880943734209642496.0/11

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

Right Out: 1444.020+/-0.000  $\chi^2/\text{NDF}$ : 214169456911896611843631397268176764928.0/12

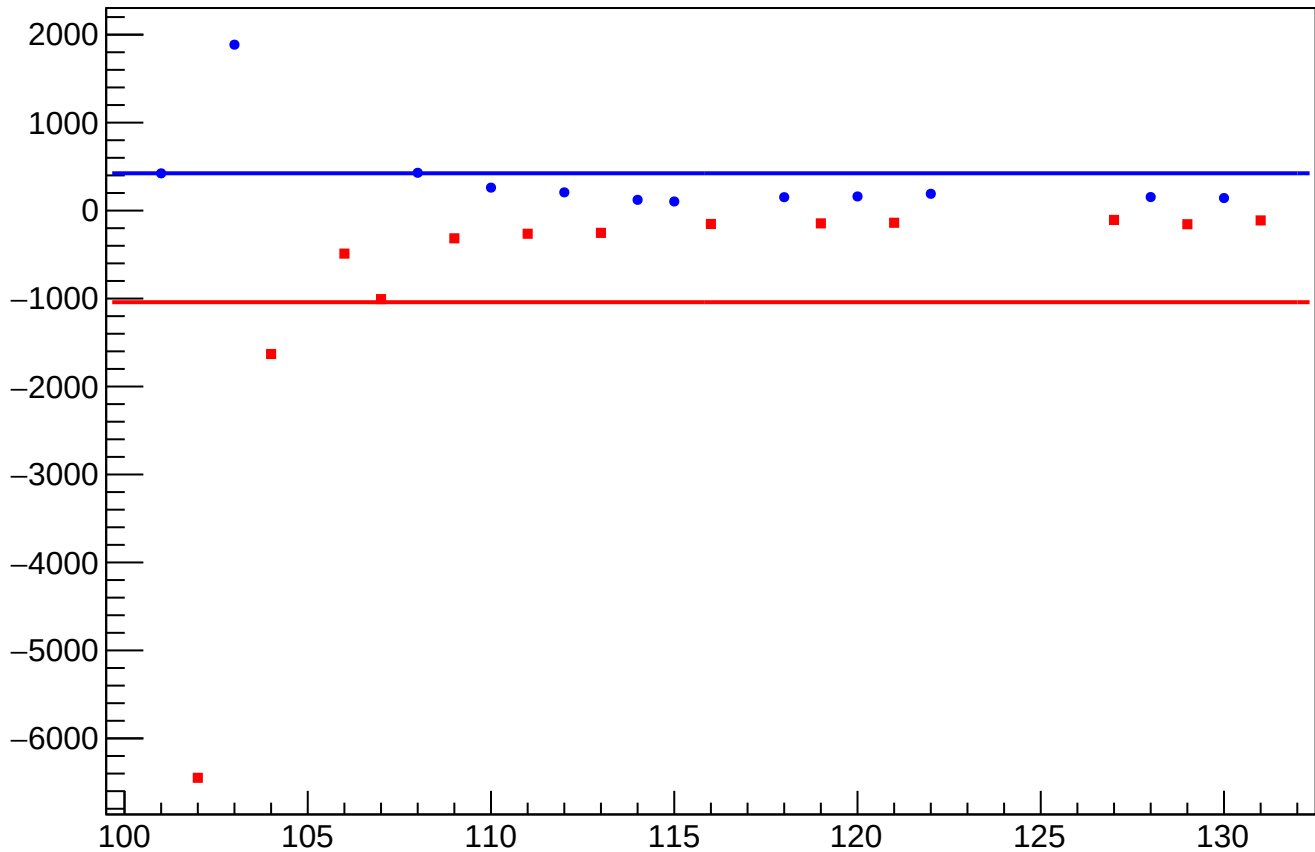
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1324.766+/-0.000  $\chi^2/\text{NDF}$ : 212670653845046

134.282+/-0.000  $\chi^2/\text{NDF}$ : 244673536024

1444.020+/-0.000  $\chi^2/\text{NDF}$ : 2141694569118966

dit\_atl1\_coil3\_err\_mean vs Slug, Sign Corrected



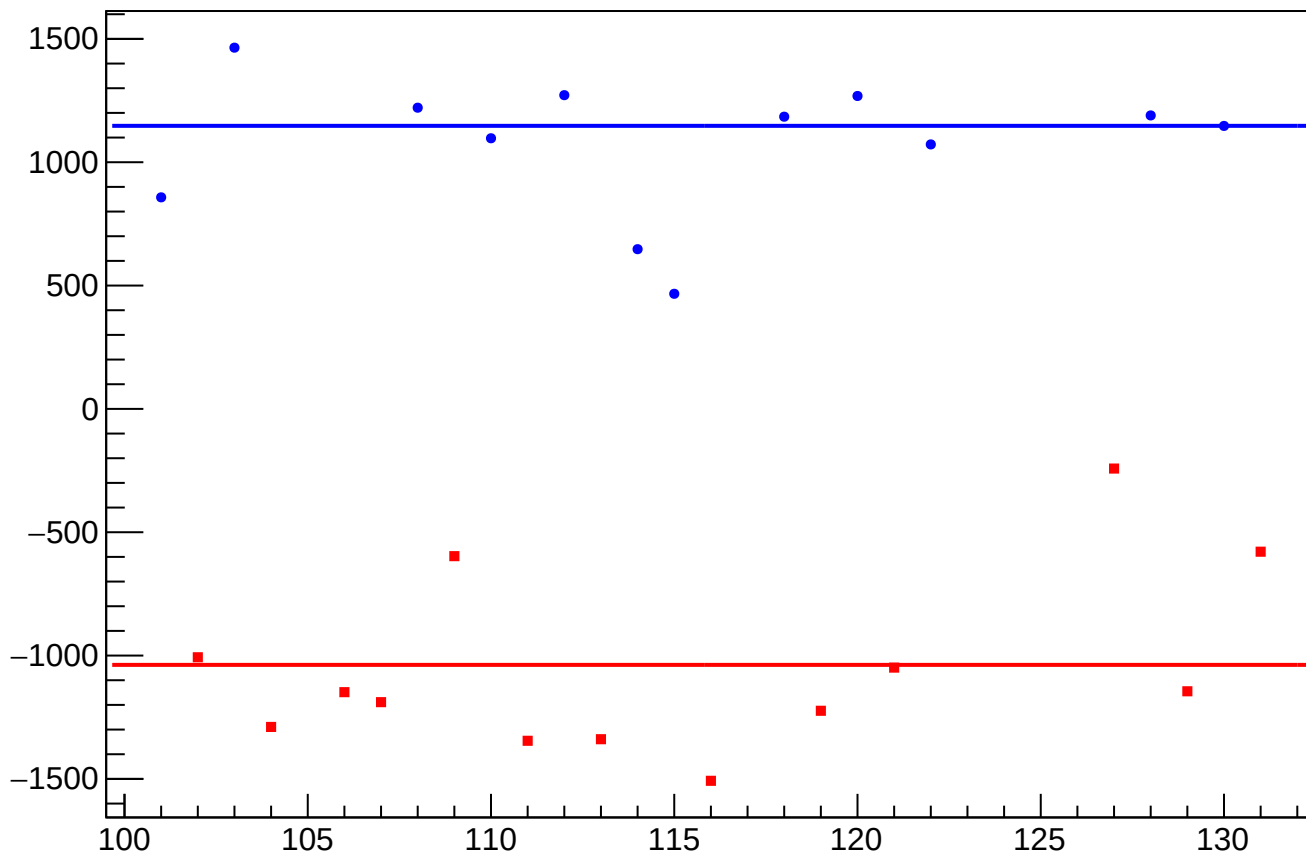
Right In: 424.165+/-0.000  $\chi^2/\text{NDF}$ : 148365386289925244148111471185605165056.0/11

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

Right Out: -1041.364+/-0.000  $\chi^2/\text{NDF}$ : 2002359648210653357883260577882855964672.0/12

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

dit\_atl1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

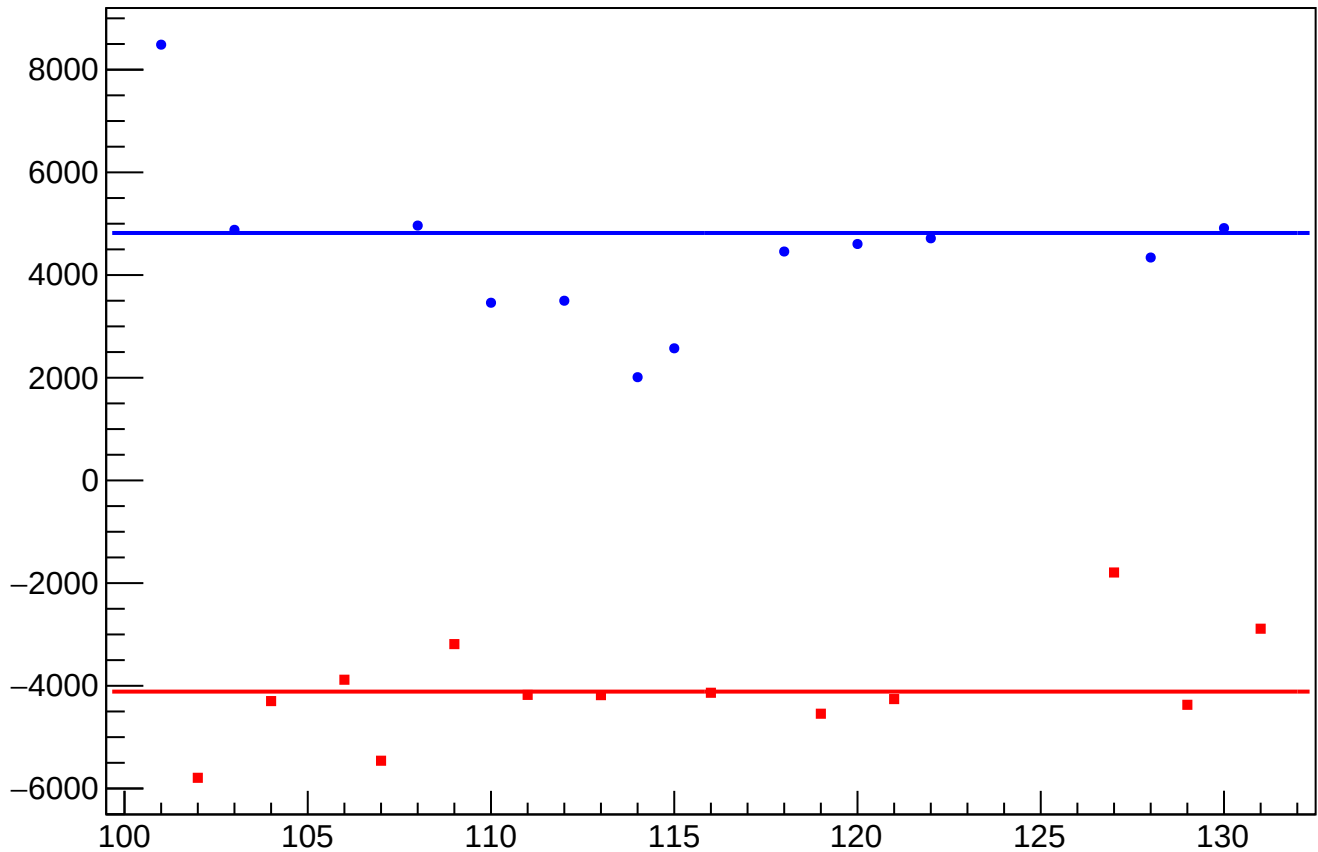
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

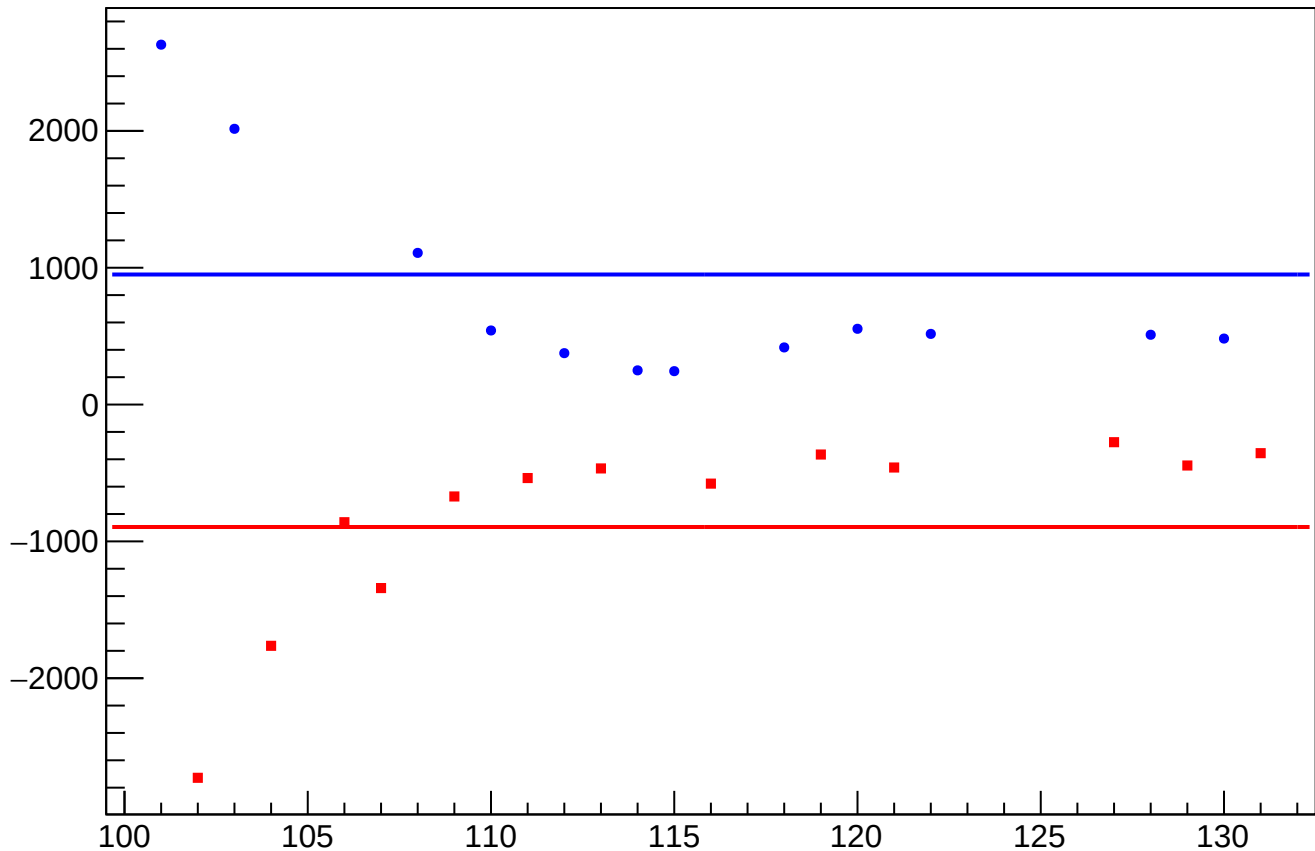
# dit\_atl2\_coil3\_mean vs Slug, Sign Corrected



Right In: 4819.368+/-0.000  $\chi^2/\text{NDF}$ : 1123154153194921195924314979926227812352.0/11  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -4113.047+/-0.000  $\chi^2/\text{NDF}$ : 577834573254960114433263251145069953024.0/12  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_atl2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 950.538+/-0.000  $\chi^2/\text{NDF}$ : 318681125312380598317372230327334862848.0/11

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

Right Out: -894.877+/-0.000  $\chi^2/\text{NDF}$ : 317791805142594261093251199403099684864.0/12

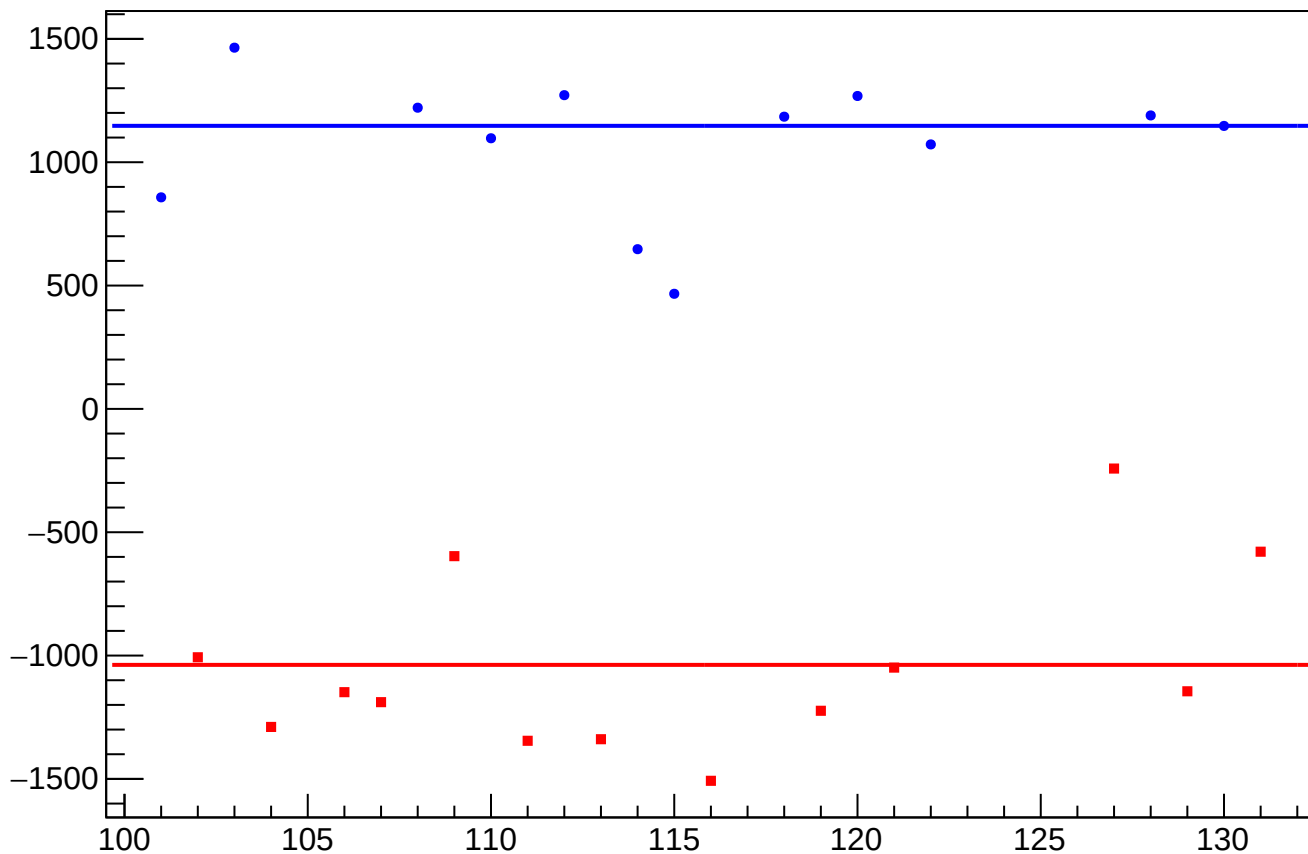
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

950.538+/-0.000  $\chi^2/\text{NDF}$ : 318681125312380598317372230327334862848.0/11

-21.927+/-0.000  $\chi^2/\text{NDF}$ : 1533774132361.0/1

-894.877+/-0.000  $\chi^2/\text{NDF}$ : 317791805142594261093251199403099684864.0/12

dit\_atl2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

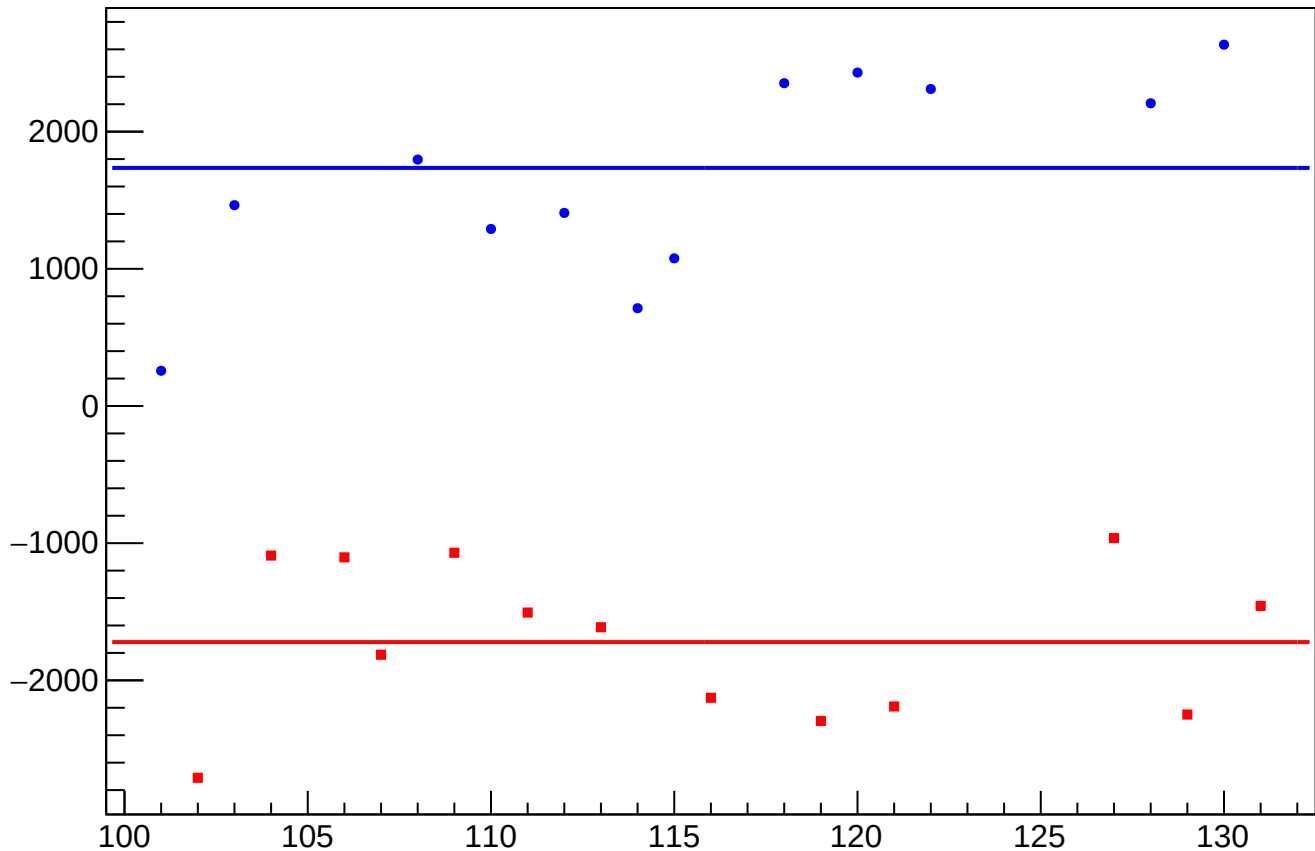
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

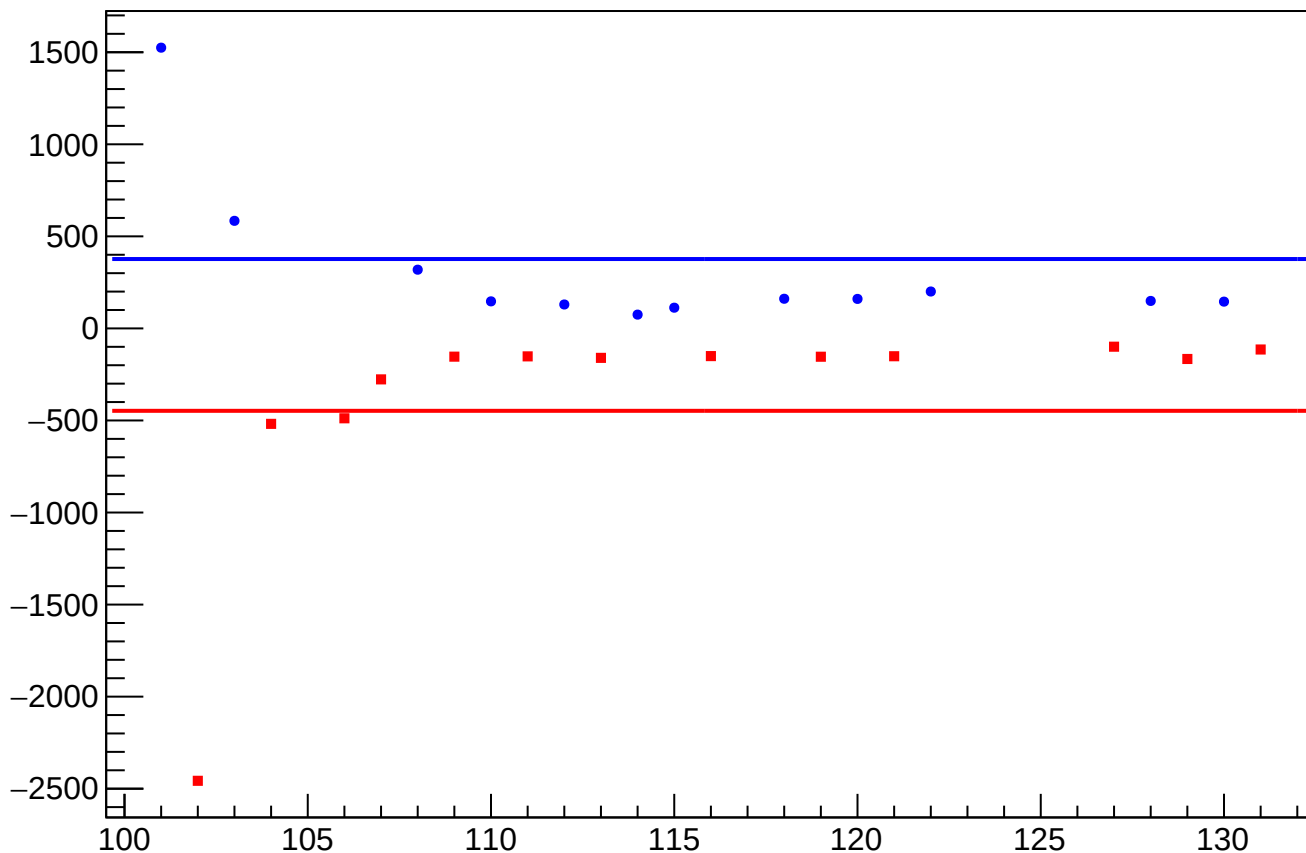
-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_atr1\_coil3\_mean vs Slug, Sign Corrected



Right In: 1735.568+/-0.000  $\chi^2/\text{NDF}$ : 268696954856101257739467489754862321664.0/11  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -1721.207+/-0.000  $\chi^2/\text{NDF}$ : 182549112796974329168695226721758085120.0/12  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil3\_err\_mean vs Slug, Sign Corrected



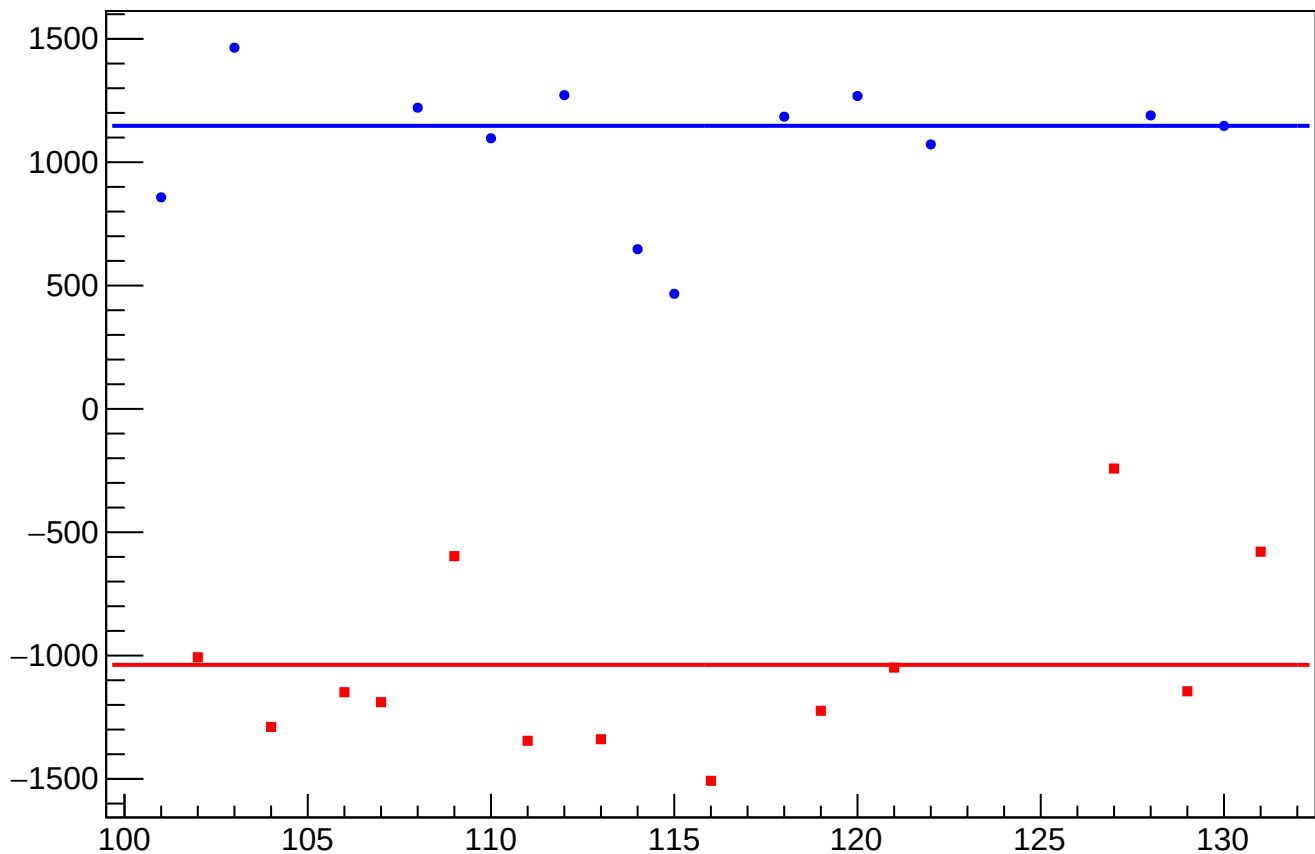
Right In: 376.812+/-0.000  $\chi^2/\text{NDF}$ : 98221192352723022804693345944177999872.0/11

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

Right Out: -447.617+/-0.000  $\chi^2/\text{NDF}$ : 270603167480594148313244829505338474496.0/12

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

dit\_atr1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

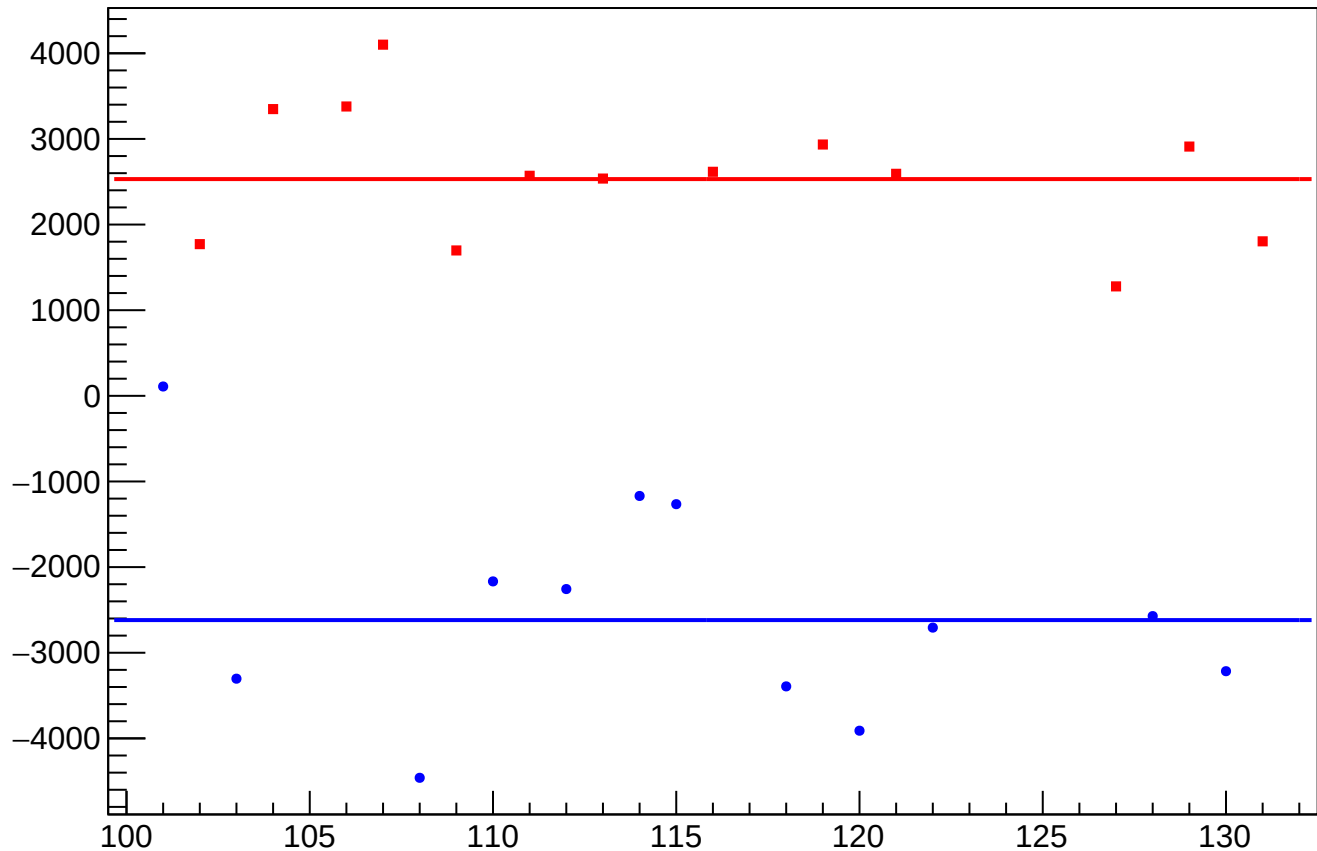
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

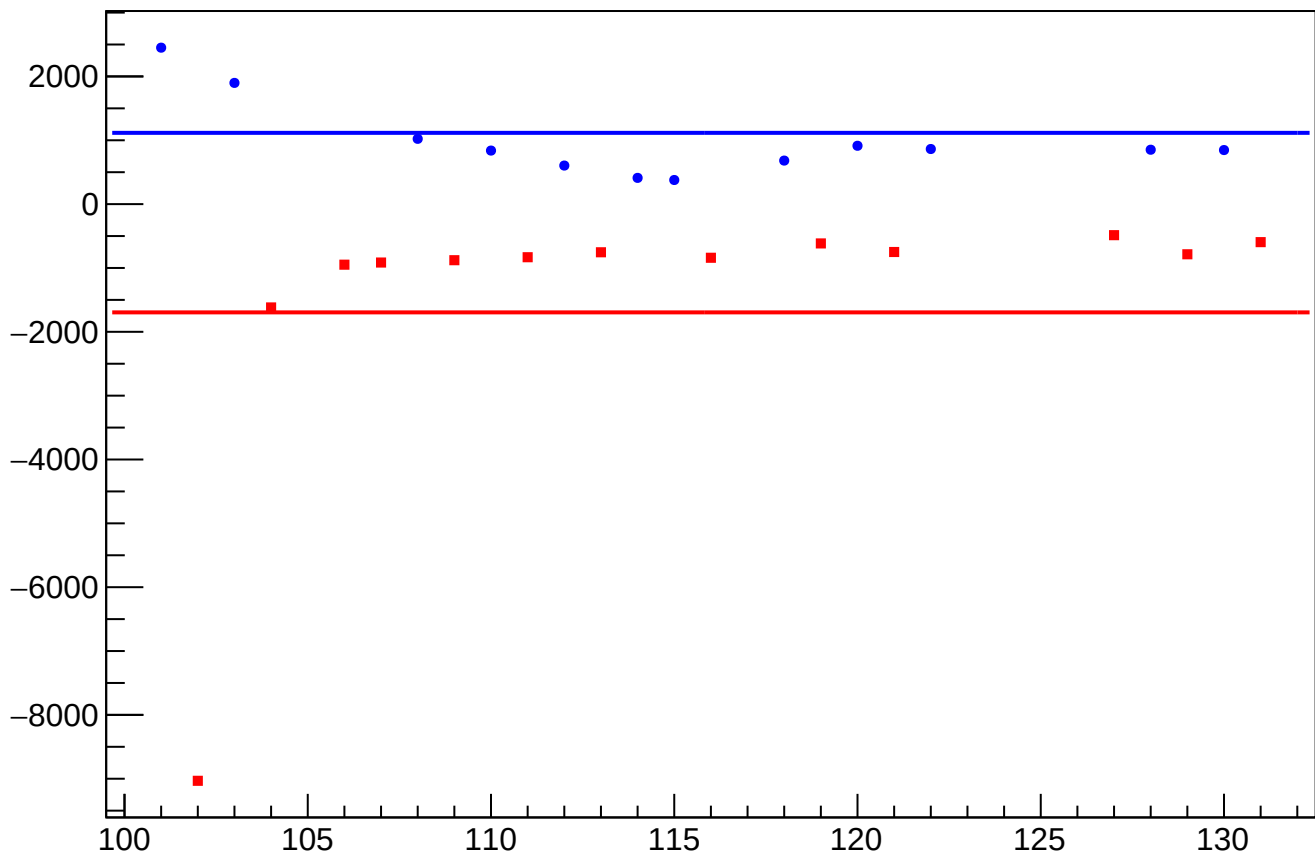
-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_atr2\_coil3\_mean vs Slug, Sign Corrected



Right In: -2618.673+/-0.000  $\chi^2/\text{NDF}$ : 765278274092774928879580752286136139776.0/11  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 2530.942+/-0.000  $\chi^2/\text{NDF}$ : 316438424847552572553026668728544133120.0/12  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 1116.460+/-0.000  $\chi^2/\text{NDF}$ : 191296177129670859536767015828280311808.0/11

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

Right Out: -1695.664+/-0.000  $\chi^2/\text{NDF}$ : 3527524884806227318713531838803975602176.0/12

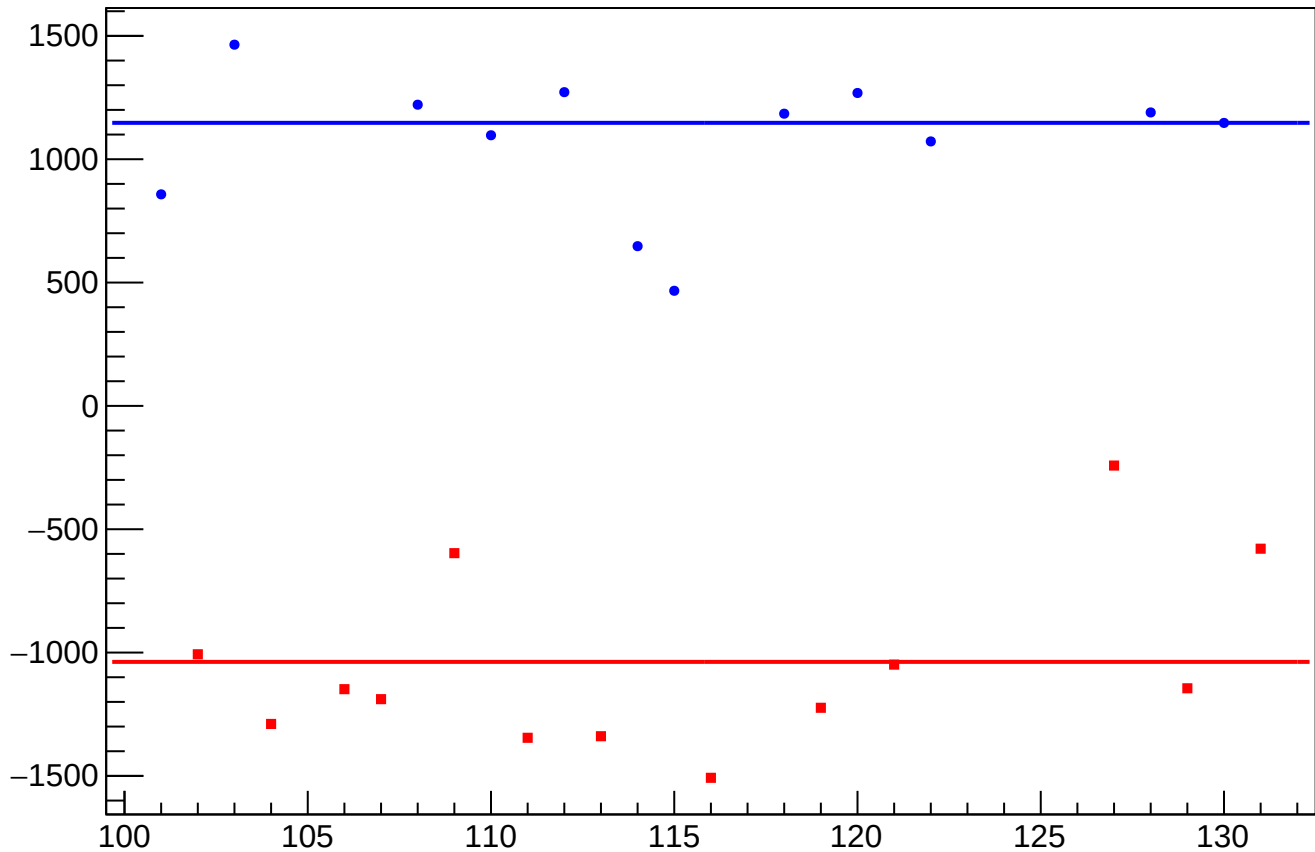
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1116.460+/-0.000  $\chi^2/\text{NDF}$ : 1912961771296708

-365.426+/-0.000  $\chi^2/\text{NDF}$ : 58024444116

-1695.664+/-0.000  $\chi^2/\text{NDF}$ : 352752488480622

dit\_atr2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

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

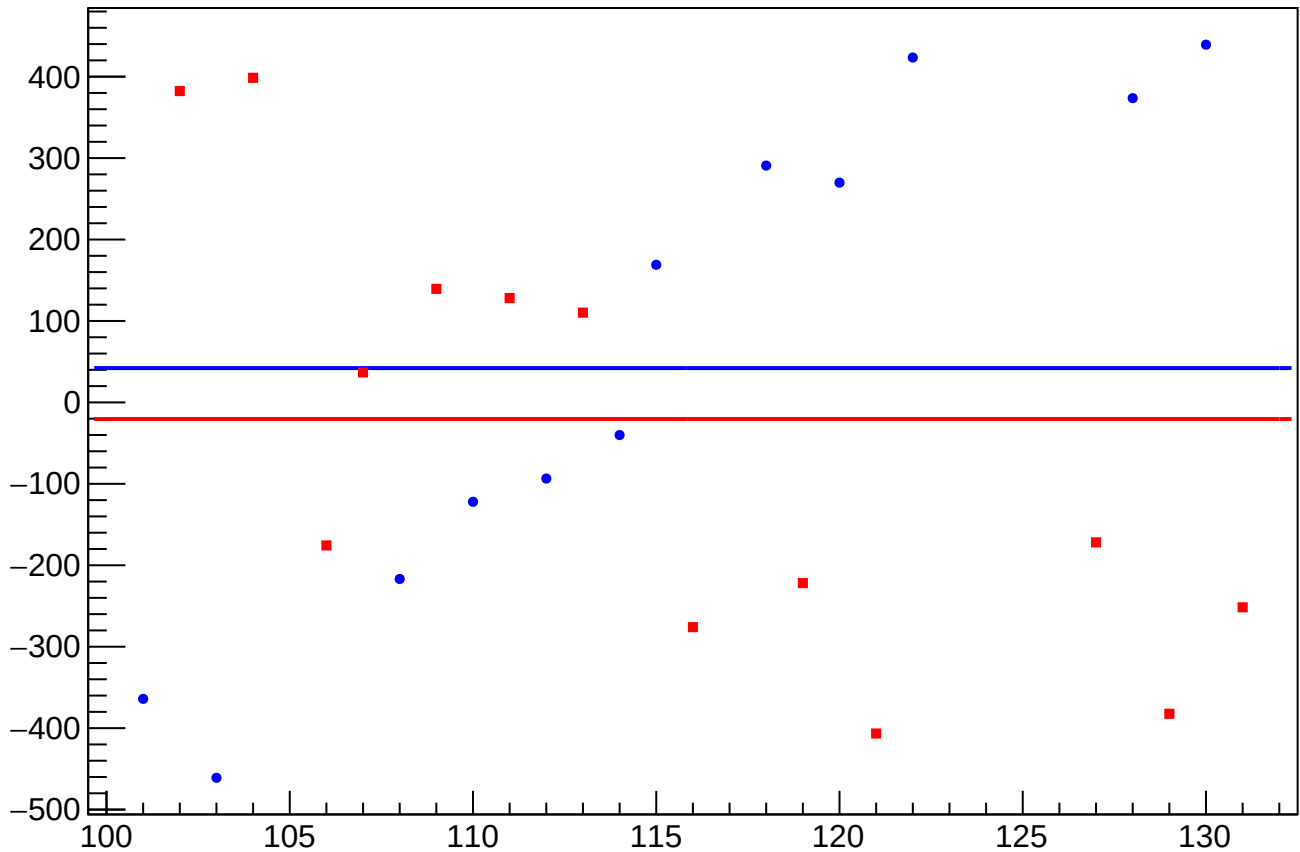
1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753



dit\_sam1\_coil3\_mean vs Slug, Sign Corrected



Right In: 42.148+/-0.000  $\chi^2/\text{NDF}$ : 54639754518919750944739580189792534528.0/11

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

Right Out: -20.430+/-0.000  $\chi^2/\text{NDF}$ : 40425134761210919607052112456054734848.0/12

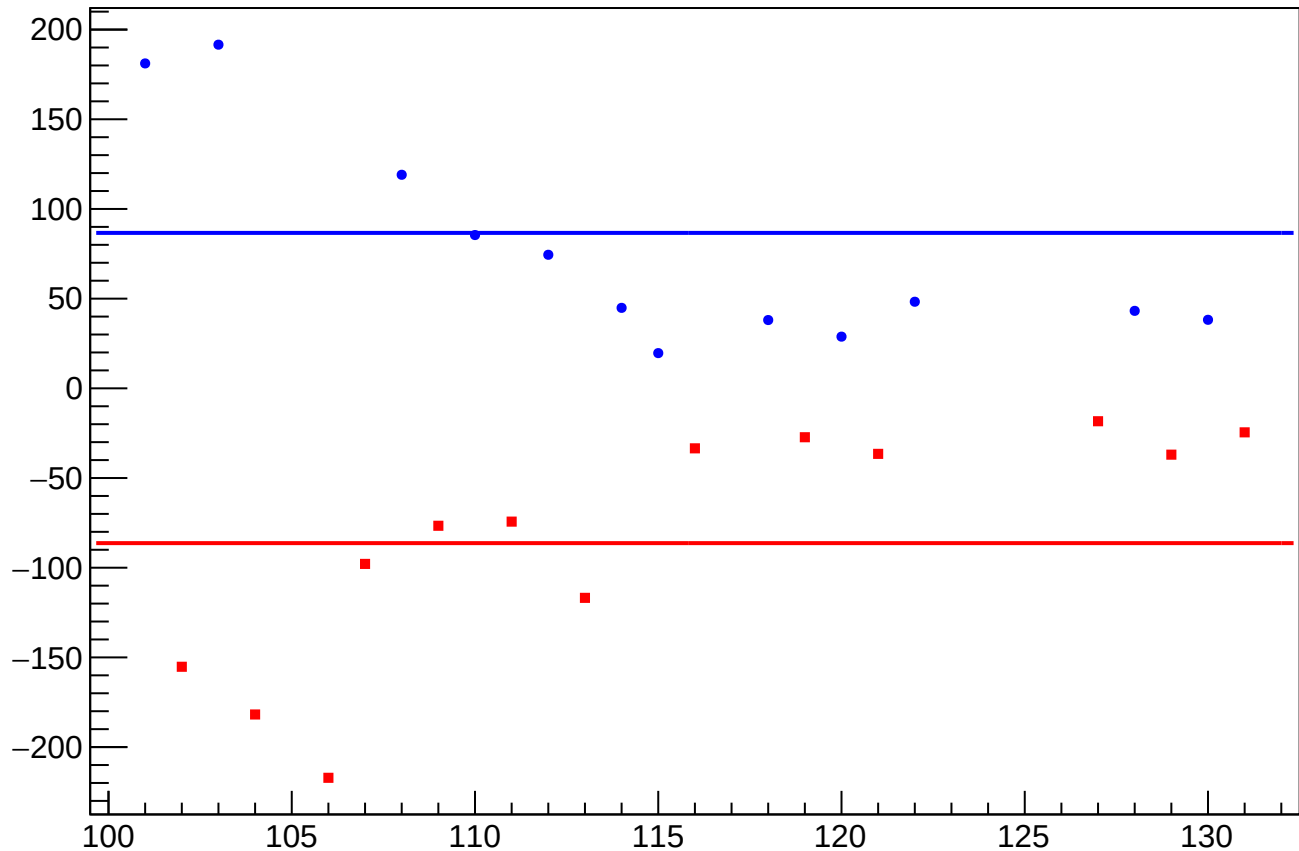
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

42.148+/-0.000  $\chi^2/\text{NDF}$ : 54639754518919750944739580189792534528.0/11

9.171+/-0.000  $\chi^2/\text{NDF}$ : 96096676459141

-20.430+/-0.000  $\chi^2/\text{NDF}$ : 40425134761210919607052112456054734848.0/12

dit\_sam1\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 86.656+/-0.000  $\chi^2/\text{NDF}$ : 1825124185751773125209411808141508608.0/11

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

Right Out: -86.295+/-0.000  $\chi^2/\text{NDF}$ : 2126286573091237858905241284216094720.0/12

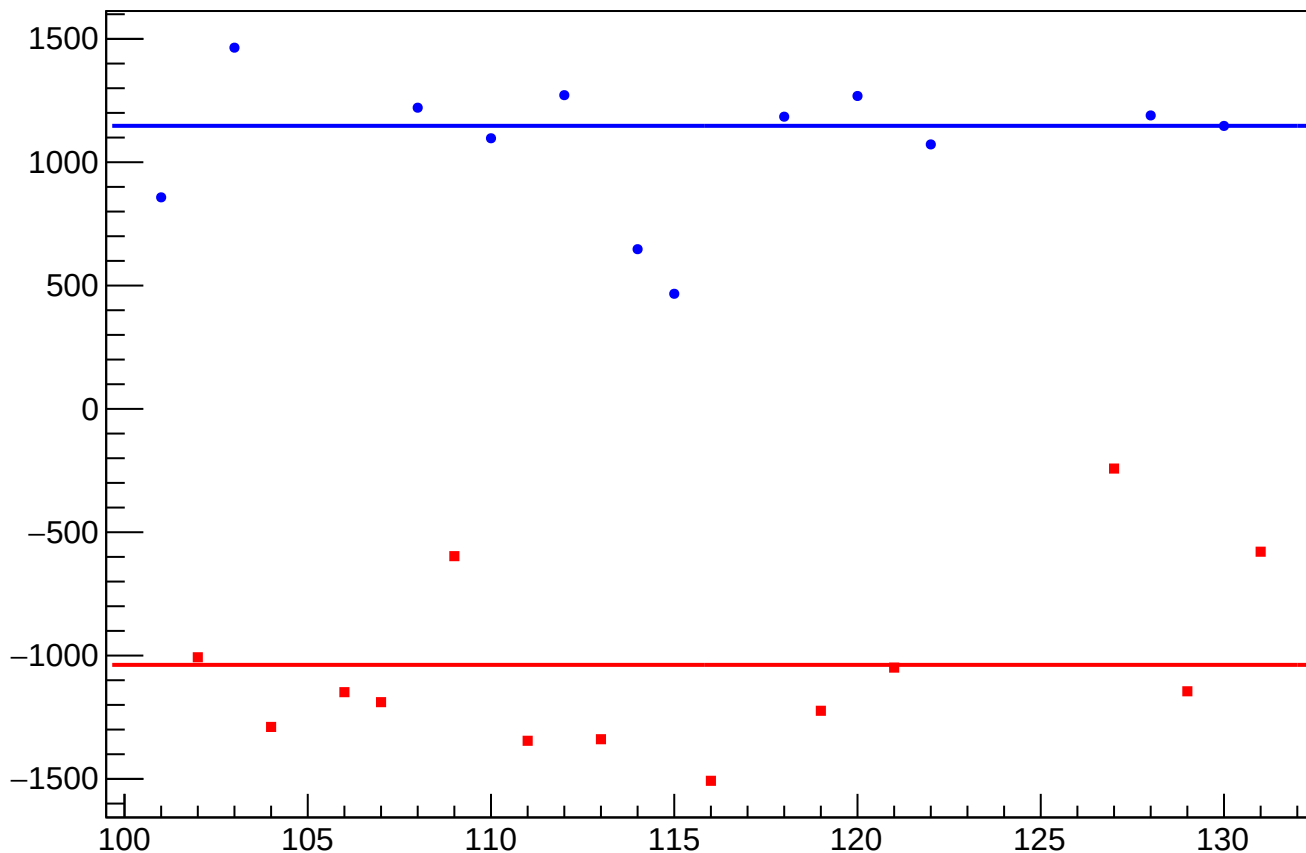
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

86.656+/-0.000  $\chi^2/\text{NDF}$ : 1825124185751773125209411808141508608.0/11

-4.483+/-0.000  $\chi^2/\text{NDF}$ : 11832656937751773125209411808141508608.0/11

-86.295+/-0.000  $\chi^2/\text{NDF}$ : 2126286573091237858905241284216094720.0/12

dit\_sam1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

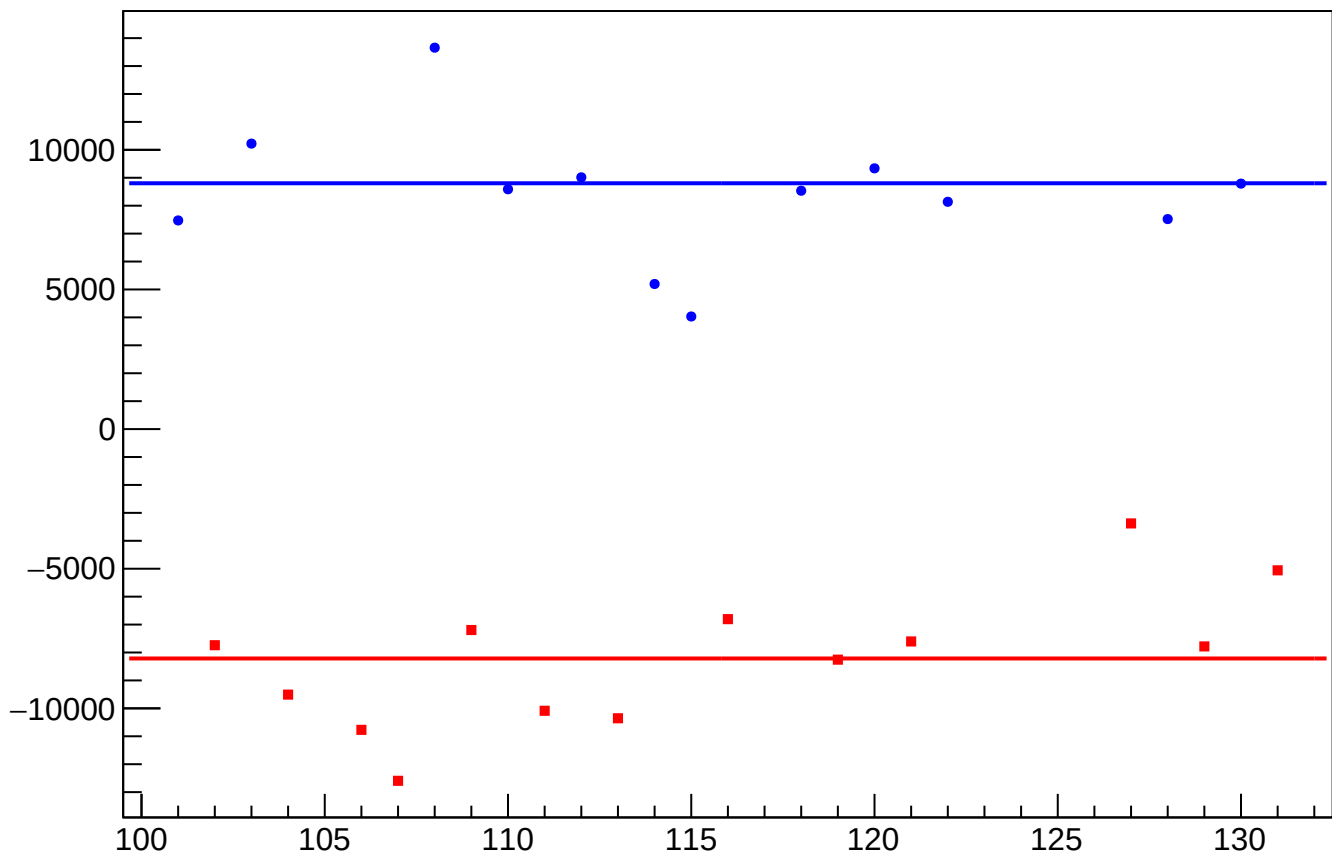
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

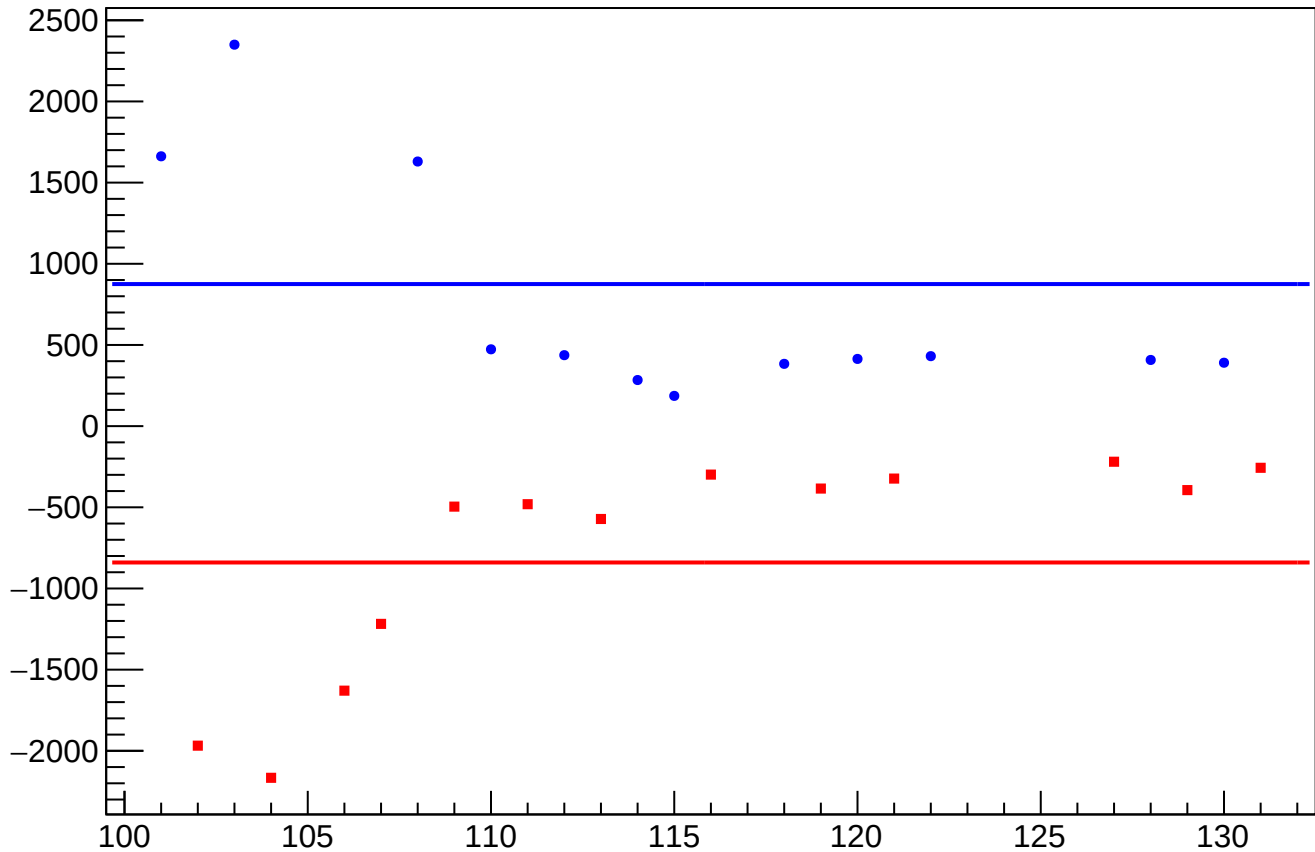
-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_sam2\_coil3\_mean vs Slug, Sign Corrected



Right In: 8802.711+/-0.000  $\chi^2/\text{NDF}$ : 1673020073870386904733530575323699085312.0/11  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -8214.130+/-0.000  $\chi^2/\text{NDF}$ : 2868391331769667023058946652053520252928.0/12  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 875.040+/-0.000  $\chi^2/\text{NDF}$ : 263929936267286792702466413925148655616.0/11

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

Right Out: -839.900+/-0.000  $\chi^2/\text{NDF}$ : 269689805967483886903868855802373603328.0/12

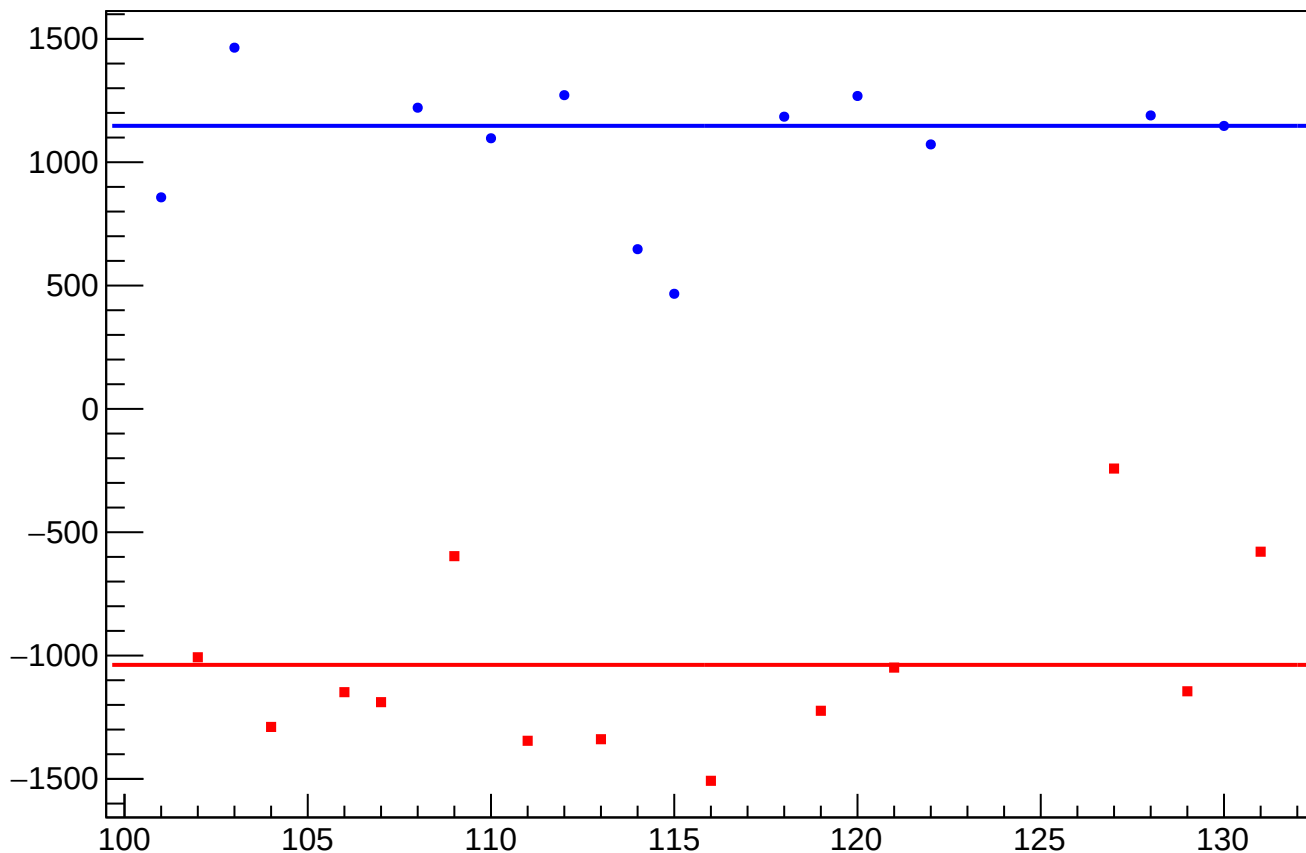
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

875.040+/-0.000  $\chi^2/\text{NDF}$ : 26392993626728679

-28.670+/-0.000  $\chi^2/\text{NDF}$ : 130852361543

-839.900+/-0.000  $\chi^2/\text{NDF}$ : 2696898059674838

dit\_sam2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

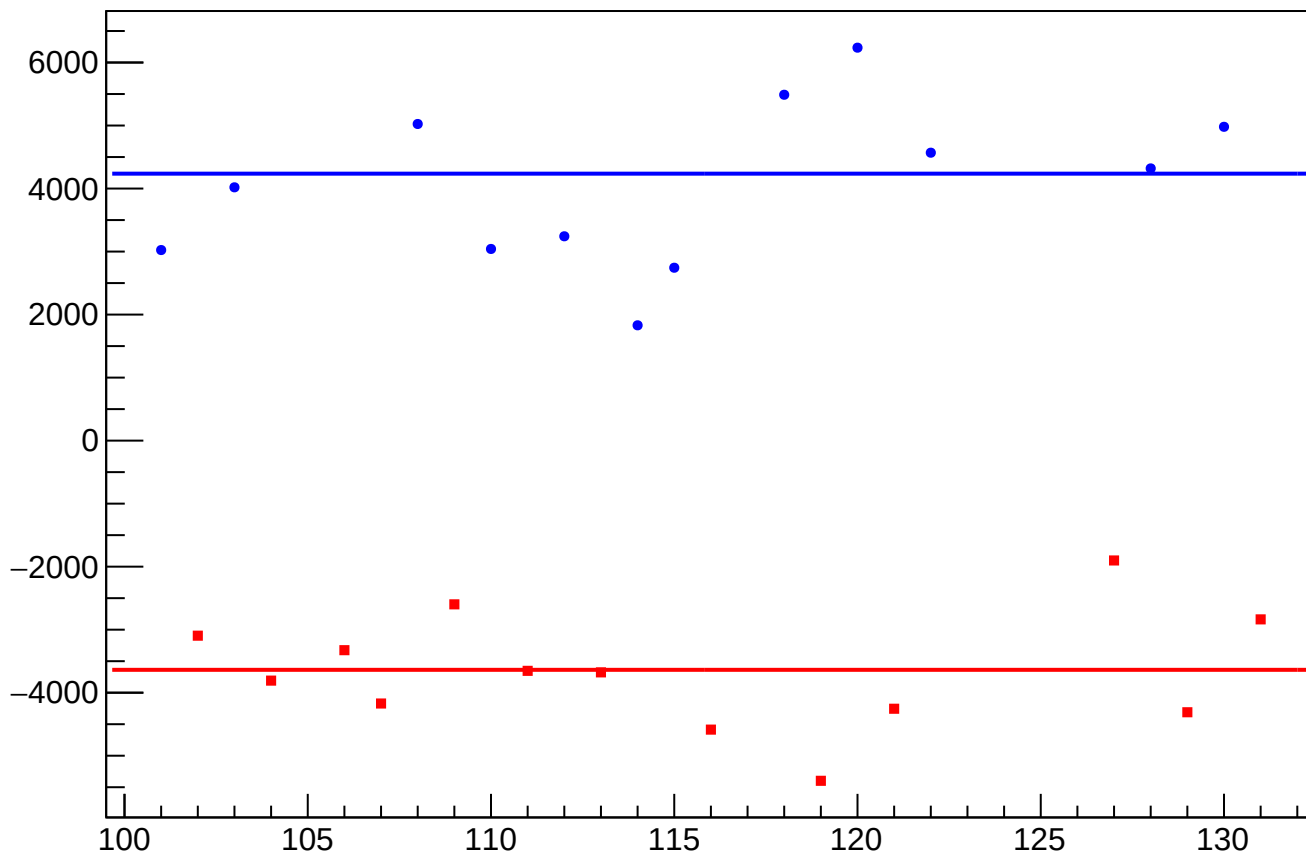
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

dit\_sam3\_coil3\_mean vs Slug, Sign Corrected



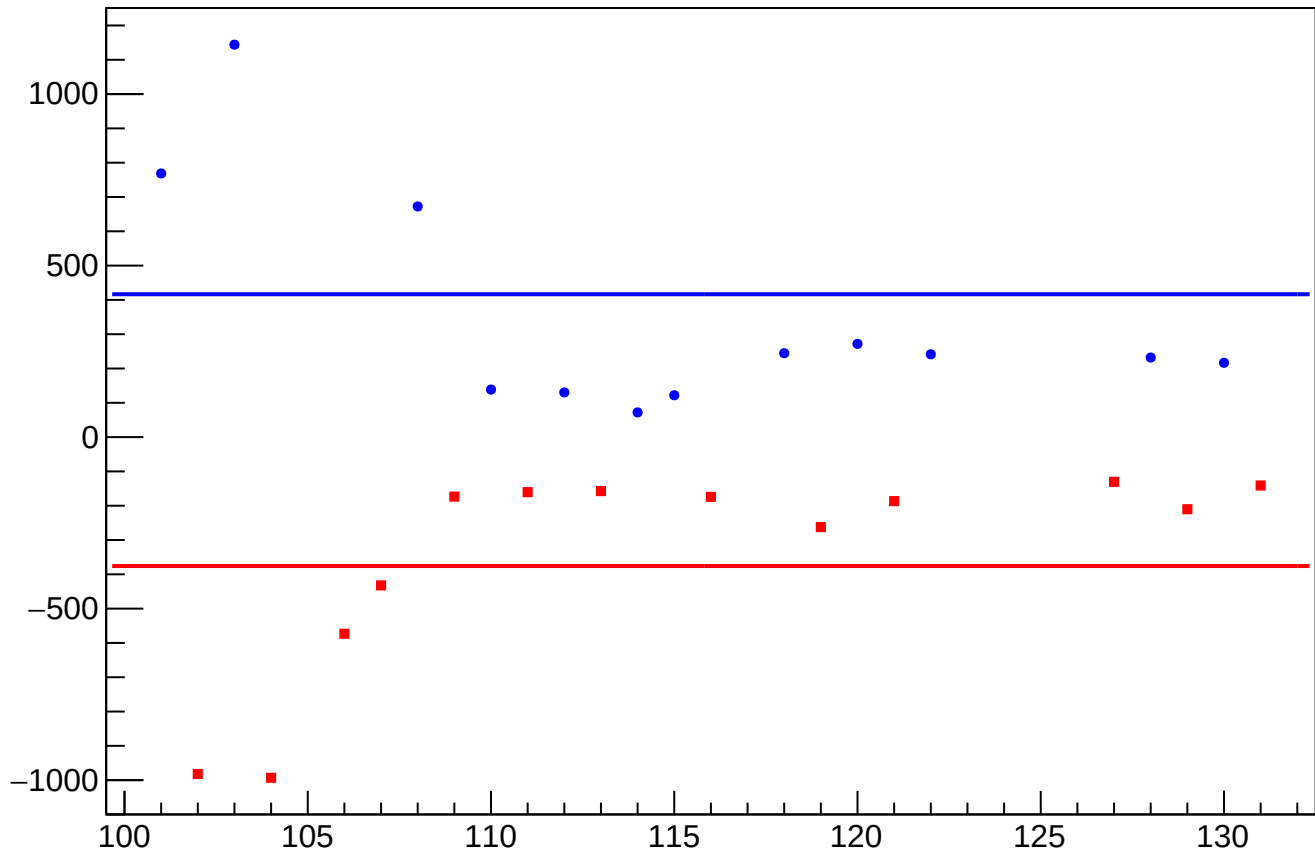
Right In: 4236.281+/-0.000  $\chi^2/\text{NDF}$ : 564273361323015952162643547973035753472.0/11

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

Right Out: -3637.149+/-0.000  $\chi^2/\text{NDF}$ : 459406970482003066211397080178055184384.0/12

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

dit\_sam3\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 416.482+/-0.000  $\chi^2/\text{NDF}$ : 57779080550875535452880598890469916672.0/11

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

Right Out: -375.811+/-0.000  $\chi^2/\text{NDF}$ : 57377147893154068581936322666393763840.0/12

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

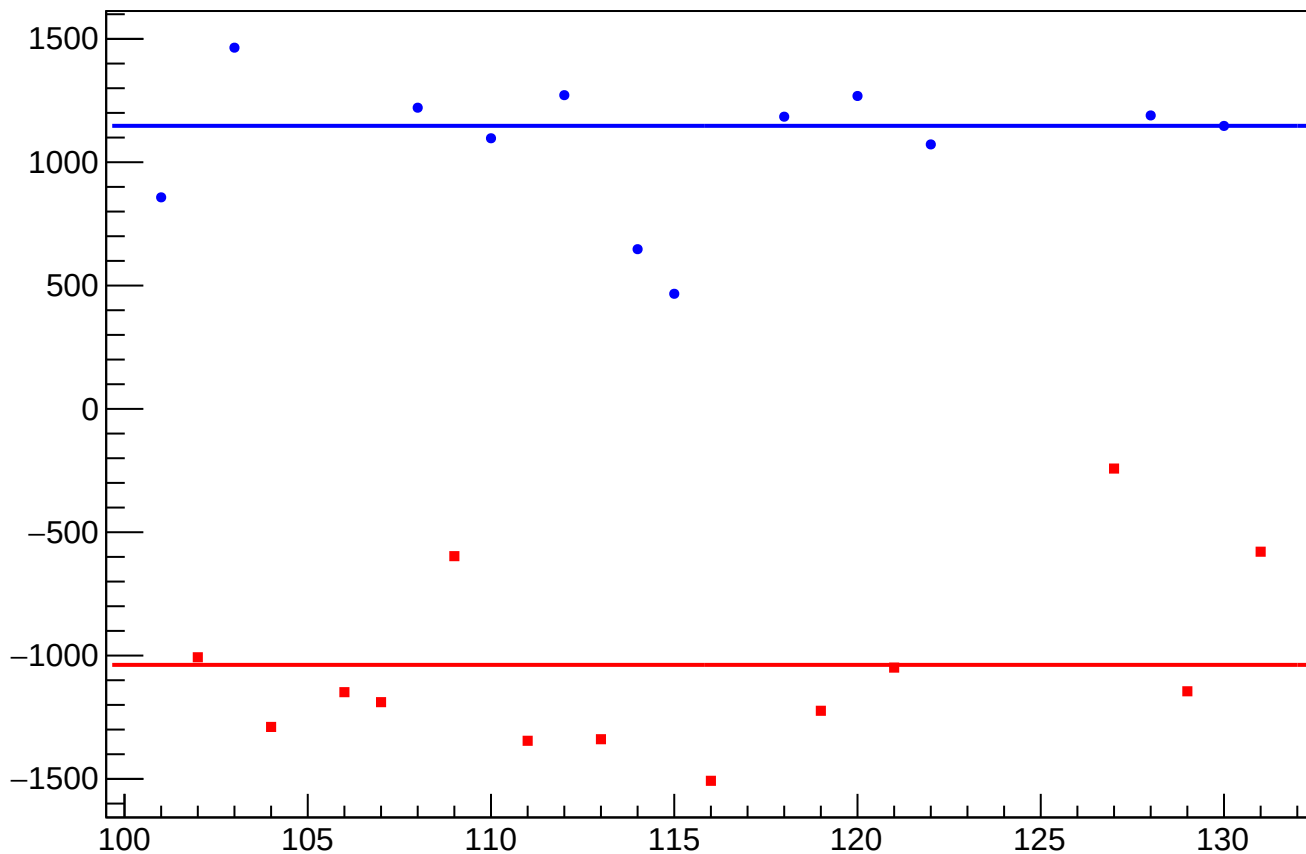
416.482+/-0.000  $\chi^2/\text{NDF}$ : 57779080550875535452880598890469916672.0/11

-1.027+/-0.000  $\chi^2/\text{NDF}$ : 2805509559073.0/1

-375.811+/-0.000  $\chi^2/\text{NDF}$ : 57377147893154068581936322666393763840.0/12



dit\_sam3\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

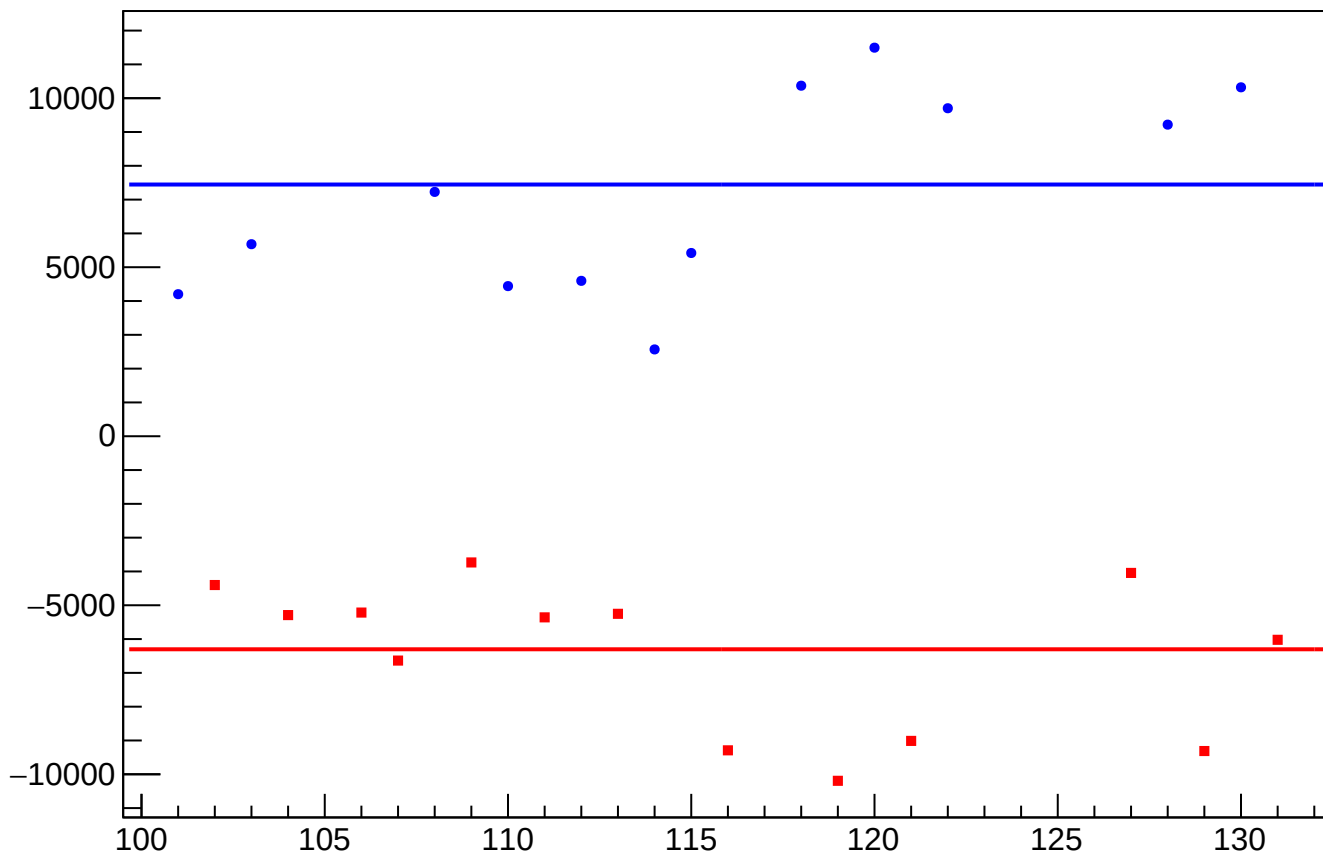
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

dit\_sam4\_coil3\_mean vs Slug, Sign Corrected



Right In: 7446.194+/-0.000  $\chi^2/\text{NDF}$ : 3697764034731914332693632429980227993600.0/11

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

Right Out: -6302.348+/-0.000  $\chi^2/\text{NDF}$ : 2637436918870481690082268692951733370880.0/12

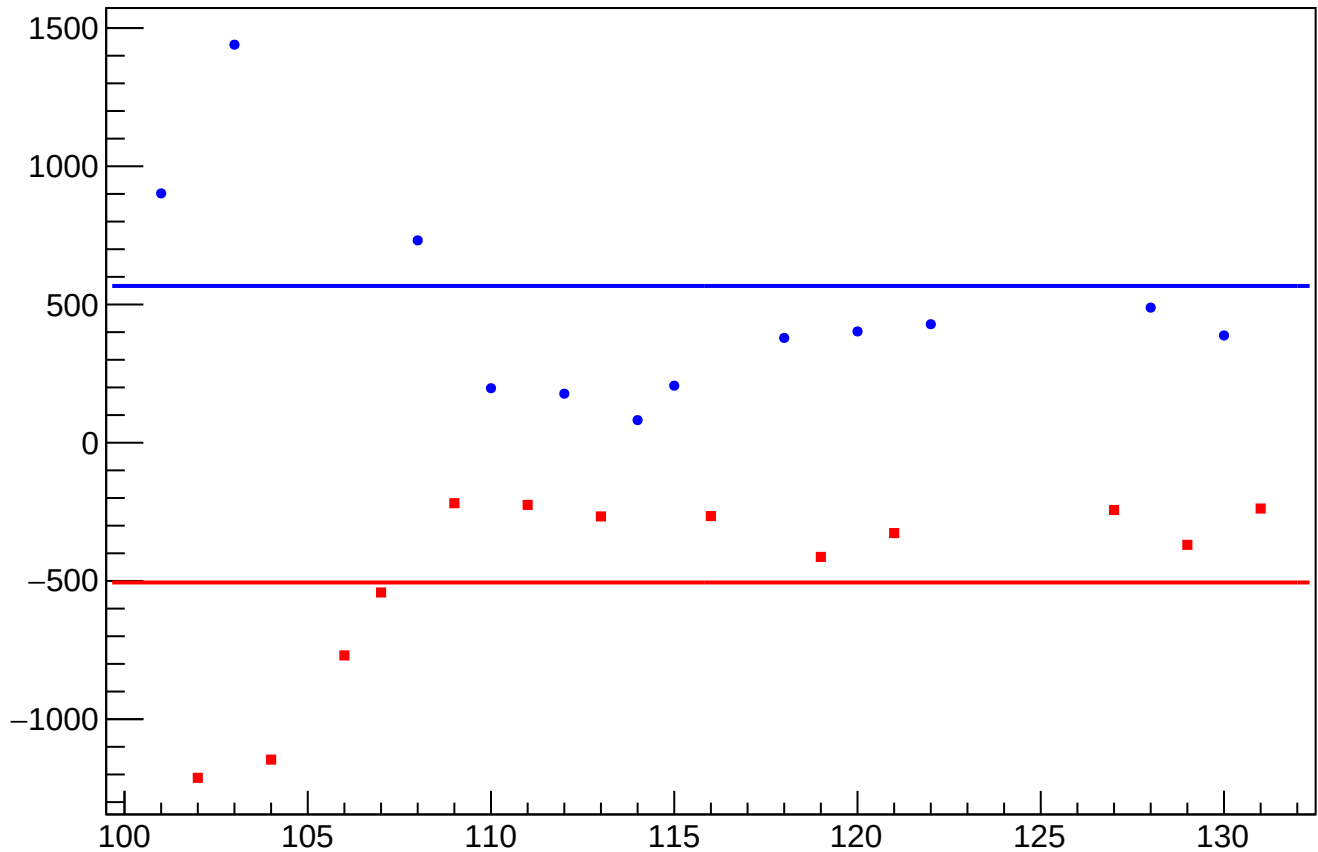
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

7446.194+/-0.000  $\chi^2/\text{NDF}$ : 3697764034731914

201.220+/-0.000  $\chi^2/\text{NDF}$ : 561391230678

-6302.348+/-0.000  $\chi^2/\text{NDF}$ : 263743691887048

dit\_sam4\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 567.080+/-0.000  $\chi^2/\text{NDF}$ : 74965228122544117602196276199813021696.0/11

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

Right Out: -505.502+/-0.000  $\chi^2/\text{NDF}$ : 72026424331048270157471868975931457536.0/12

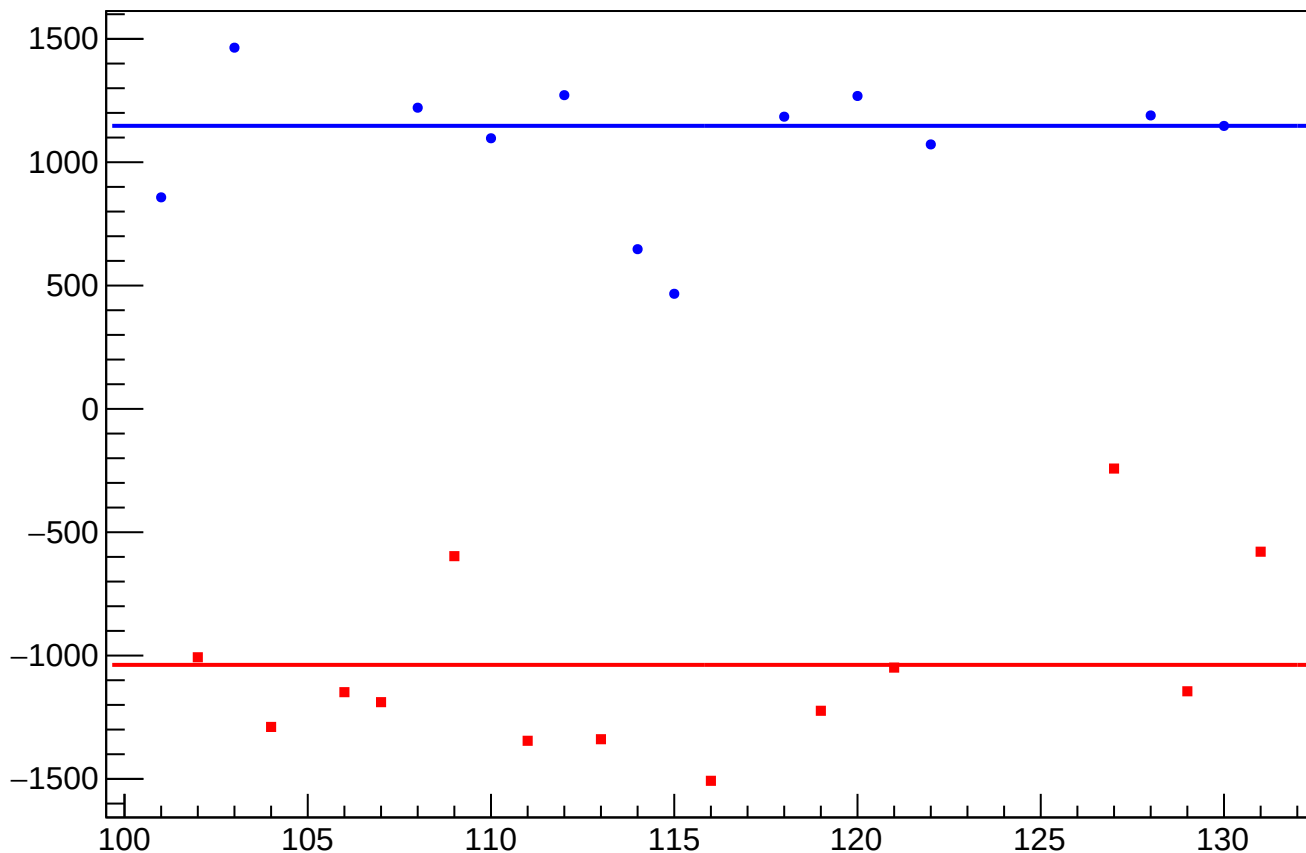
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

567.080+/-0.000  $\chi^2/\text{NDF}$ : 74965228122544117602196276199813021696.0/11

1.868+/-0.000  $\chi^2/\text{NDF}$ : 45010932658548

-505.502+/-0.000  $\chi^2/\text{NDF}$ : 72026424331048270157471868975931457536.0/12

dit\_sam4\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

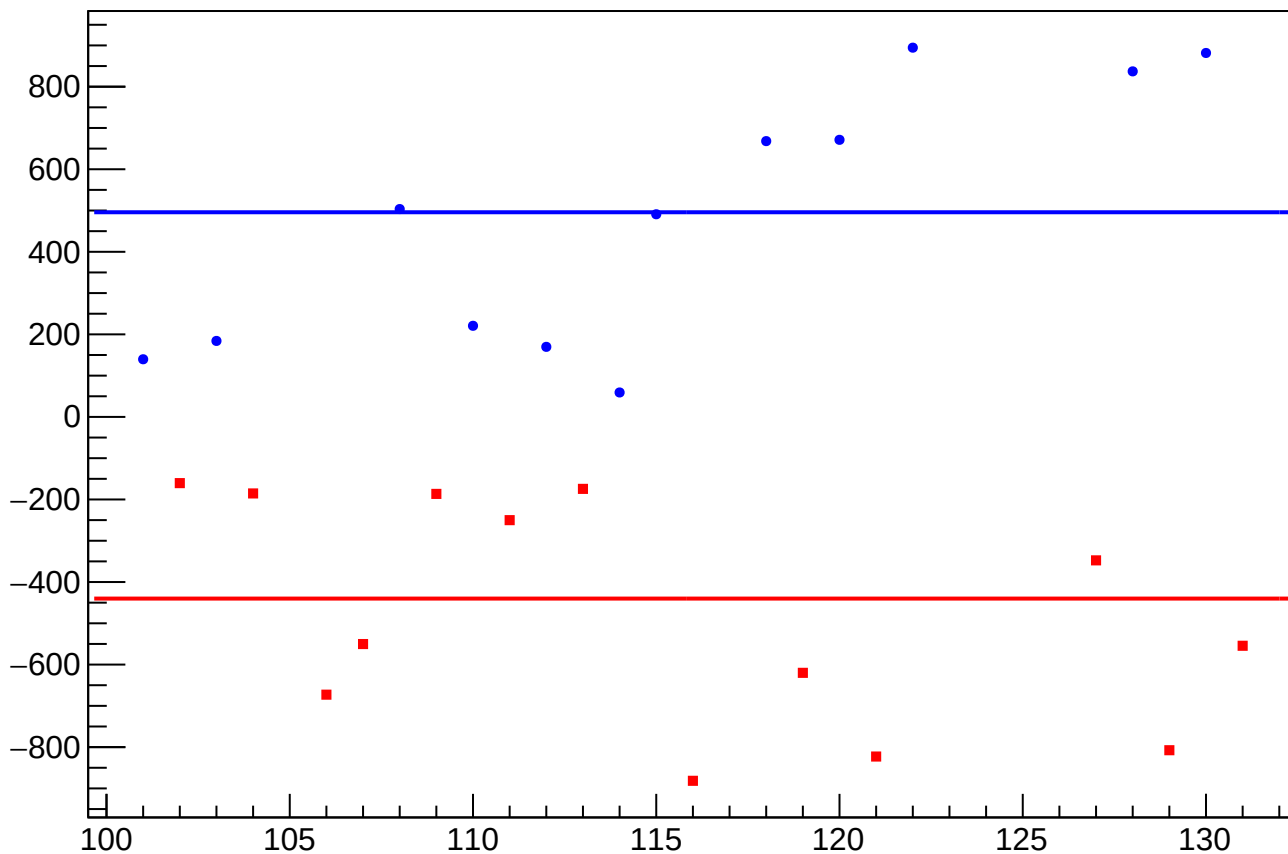
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_sam5\_coil3\_mean vs Slug, Sign Corrected



Right In: 495.813+/-0.000  $\chi^2/\text{NDF}$ : 46794467541019028434318092261088296960.0/11

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

Right Out: -440.100+/-0.000  $\chi^2/\text{NDF}$ : 37074424254617941492289812649631285248.0/12

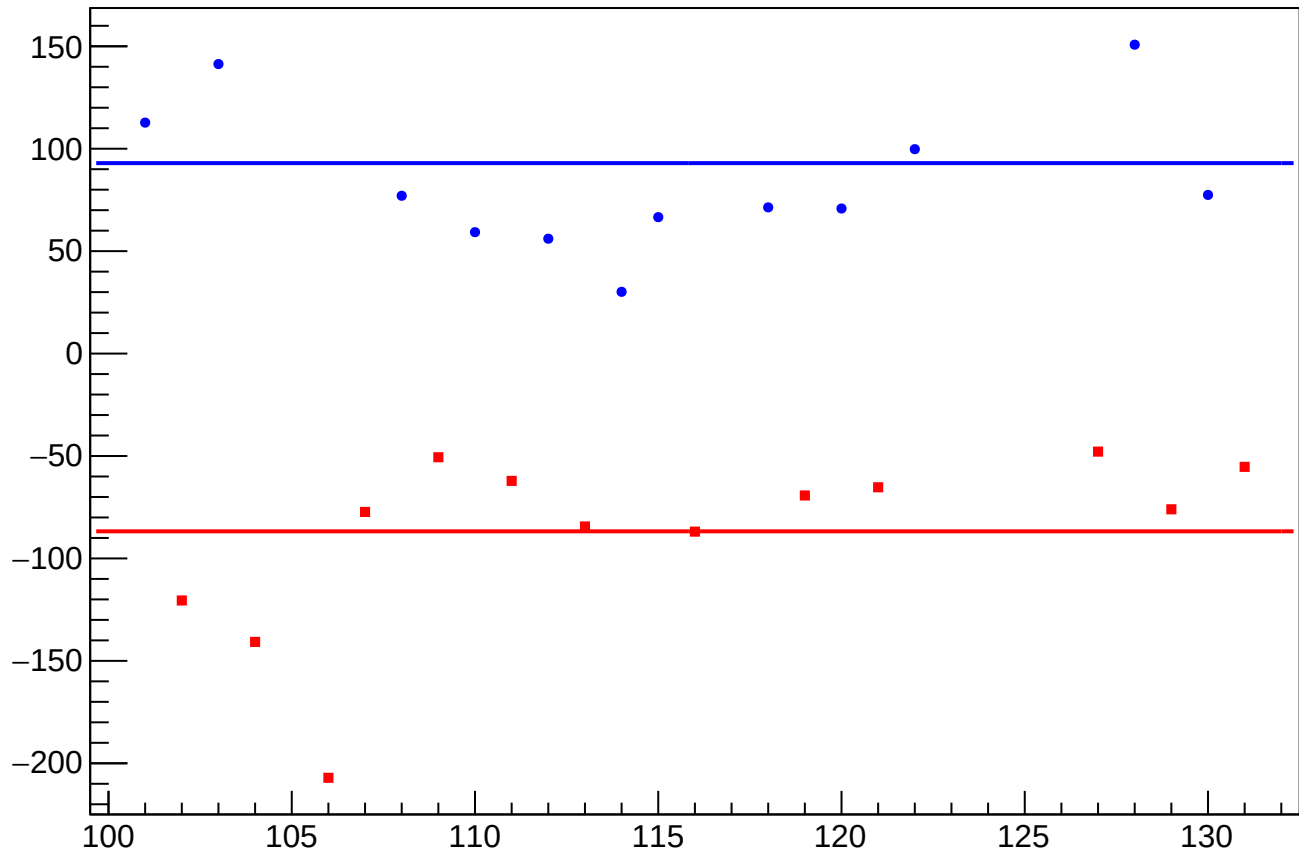
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

495.813+/-0.000  $\chi^2/\text{NDF}$ : 46794467541019028434318092261088296960.0/11

2.622+/-0.000  $\chi^2/\text{NDF}$ : 31466090689549

-440.100+/-0.000  $\chi^2/\text{NDF}$ : 37074424254617941492289812649631285248.0/12

# dit\_sam5\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 92.968+/-0.000  $\chi^2/\text{NDF}$ : 570813311160573847698458173736222720.0/11

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

Right Out: -86.759+/-0.000  $\chi^2/\text{NDF}$ : 901823507299935319179317161159032832.0/12

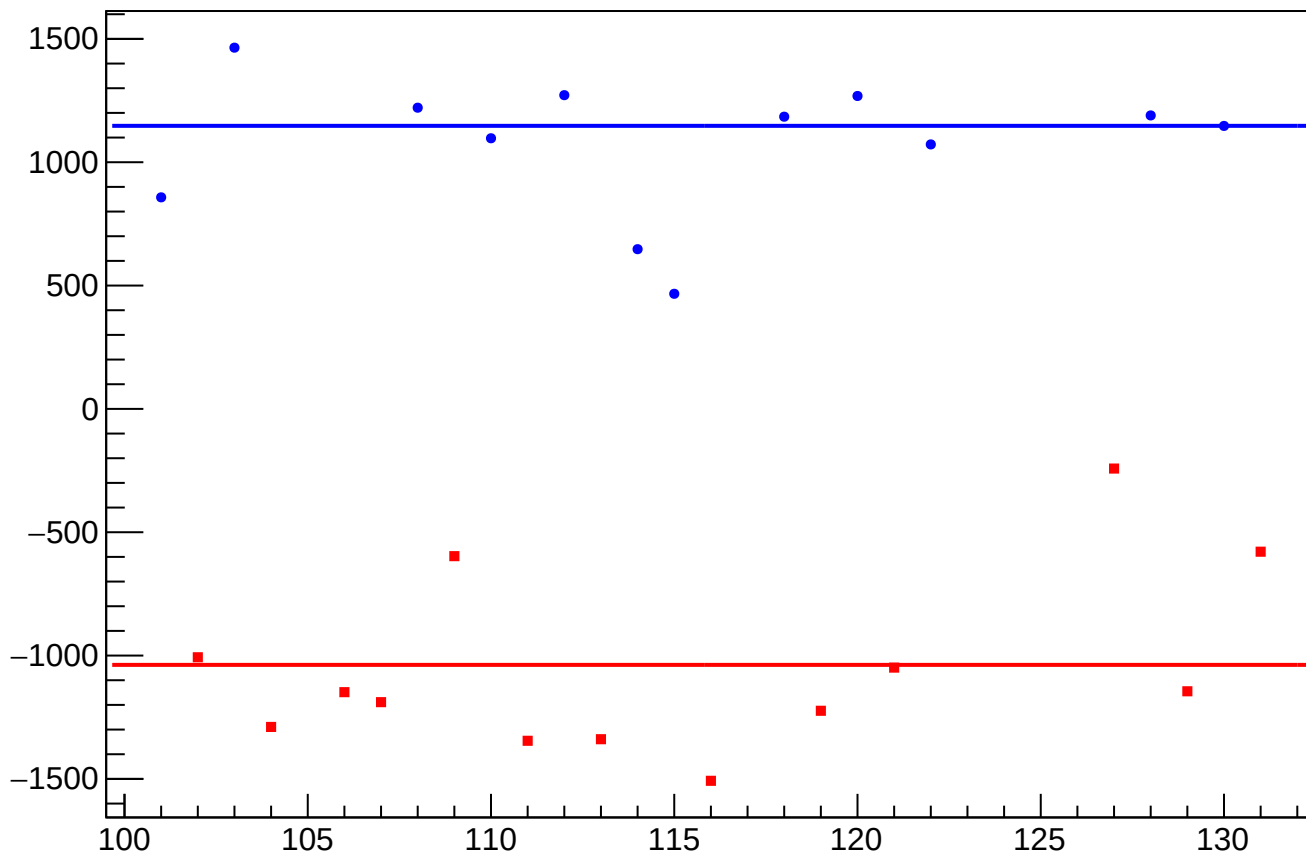
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

92.968+/-0.000  $\chi^2/\text{NDF}$ : 570813311160573847698458173736222720.0/11

-1.742+/-0.000  $\chi^2/\text{NDF}$ : 99835223586894.0/1

-86.759+/-0.000  $\chi^2/\text{NDF}$ : 901823507299935319179317161159032832.0/12

dit\_sam5\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

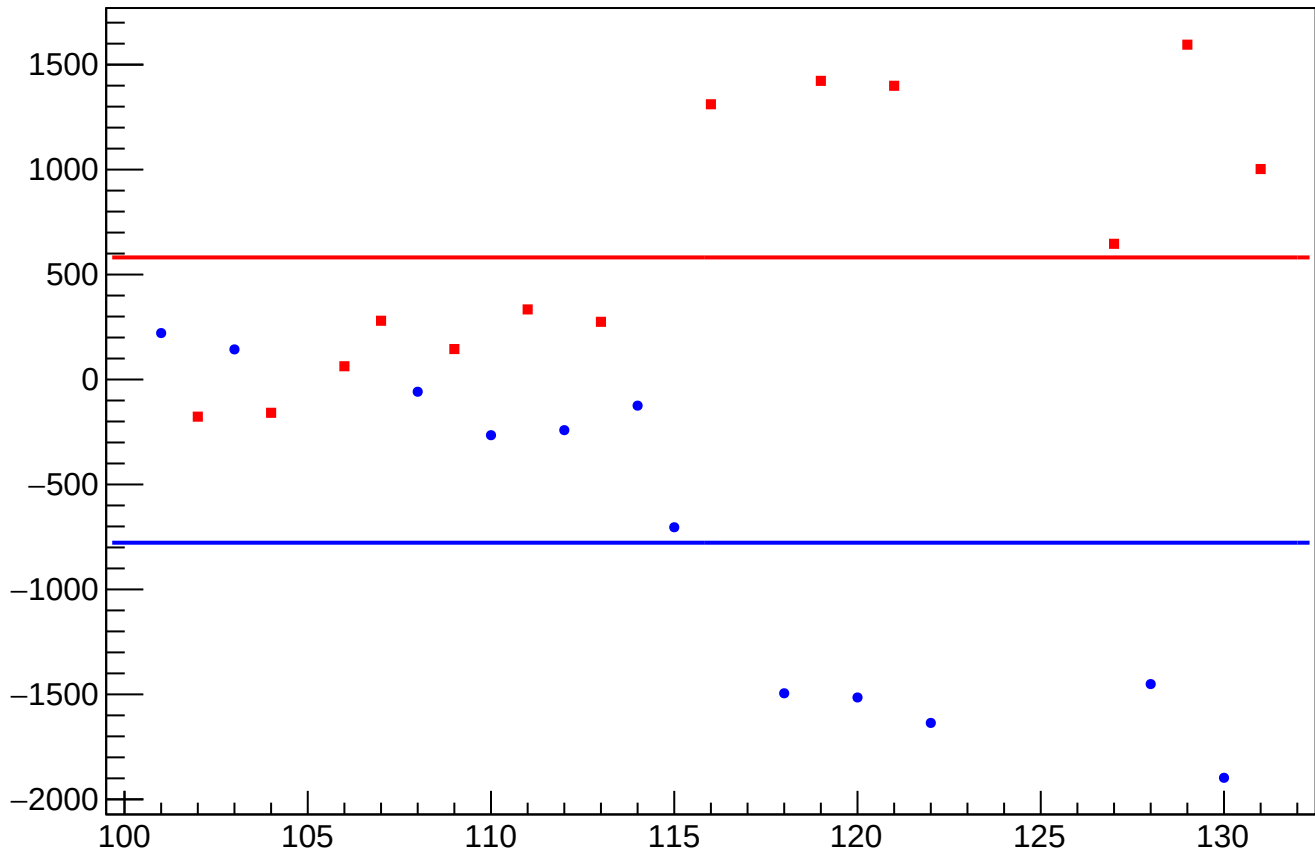
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

# dit\_sam6\_coil3\_mean vs Slug, Sign Corrected



Right In: -777.423+/-0.000  $\chi^2/\text{NDF}$ : 324242605985819594520931406287611101184.0/11

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

Right Out: 581.638+/-0.000  $\chi^2/\text{NDF}$ : 216436700529833677967232978790217940992.0/12

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

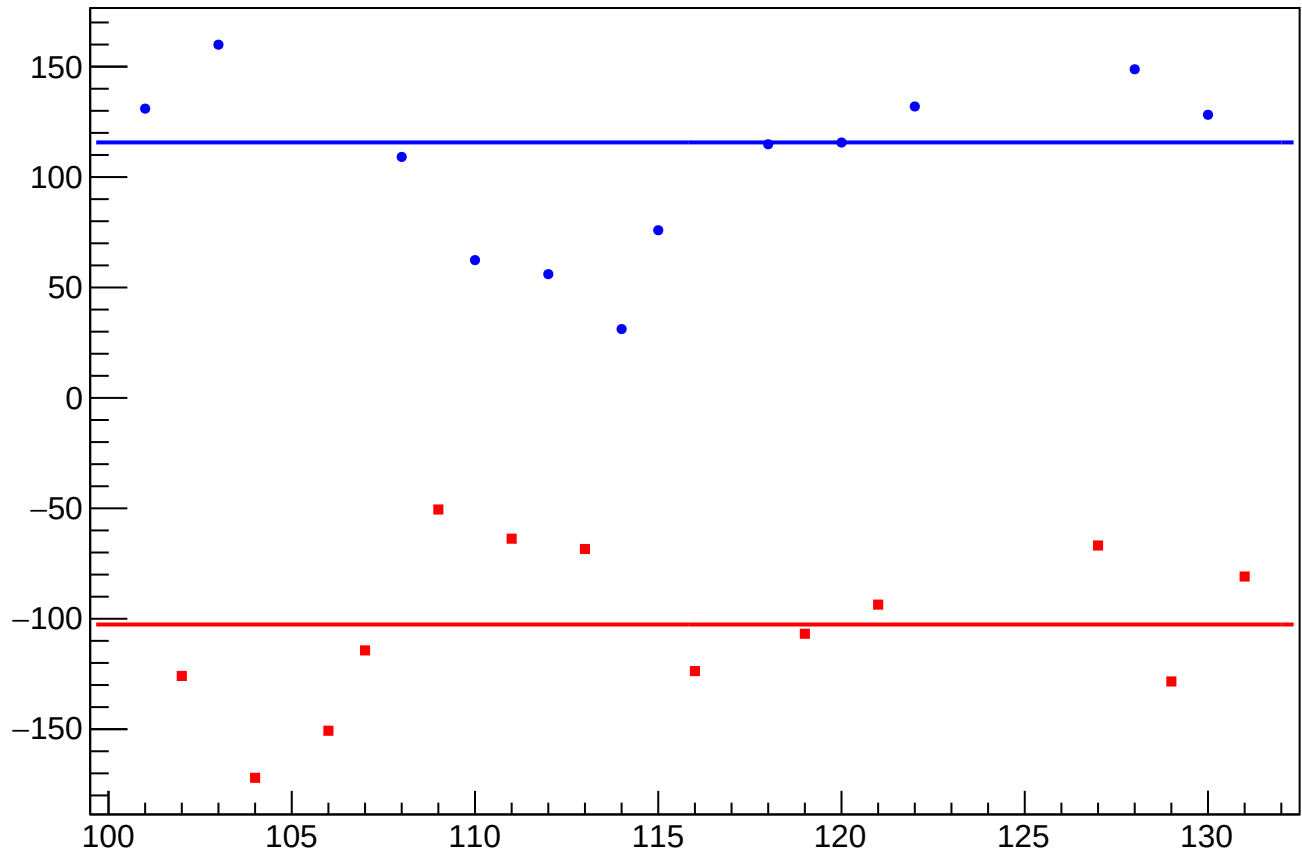
-777.423+/-0.000  $\chi^2/\text{NDF}$ : 3242426059858195

-61.248+/-0.000  $\chi^2/\text{NDF}$ : 102734200864

581.638+/-0.000  $\chi^2/\text{NDF}$ : 21643670052983367



dit\_sam6\_coil3\_err\_mean vs Slug, Sign Corrected



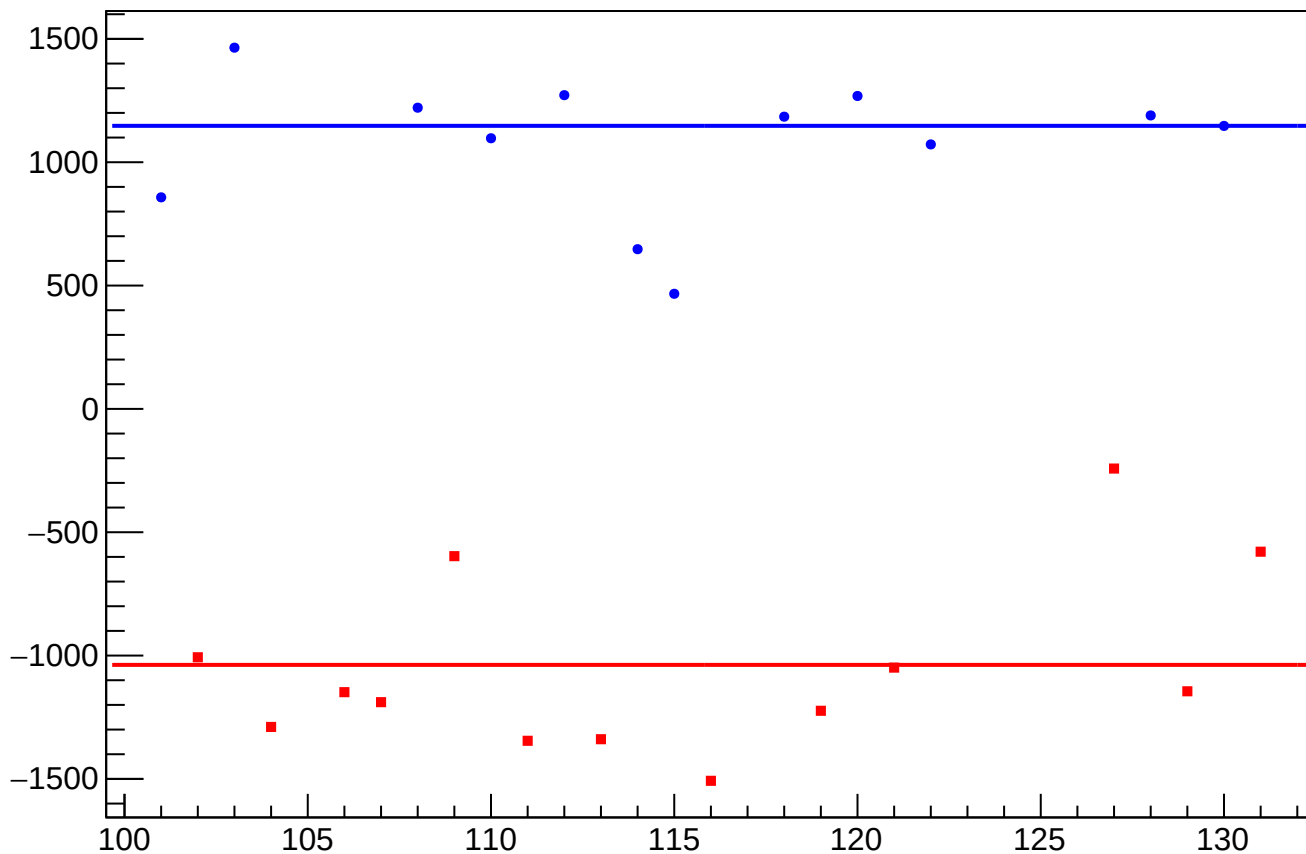
Right In: 115.685+/-0.000  $\chi^2/\text{NDF}$ : 591373761805762898331137889678655488.0/11

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

Right Out: -102.599+/-0.000  $\chi^2/\text{NDF}$ : 728845756995144253659859856918577152.0/12

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

dit\_sam6\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

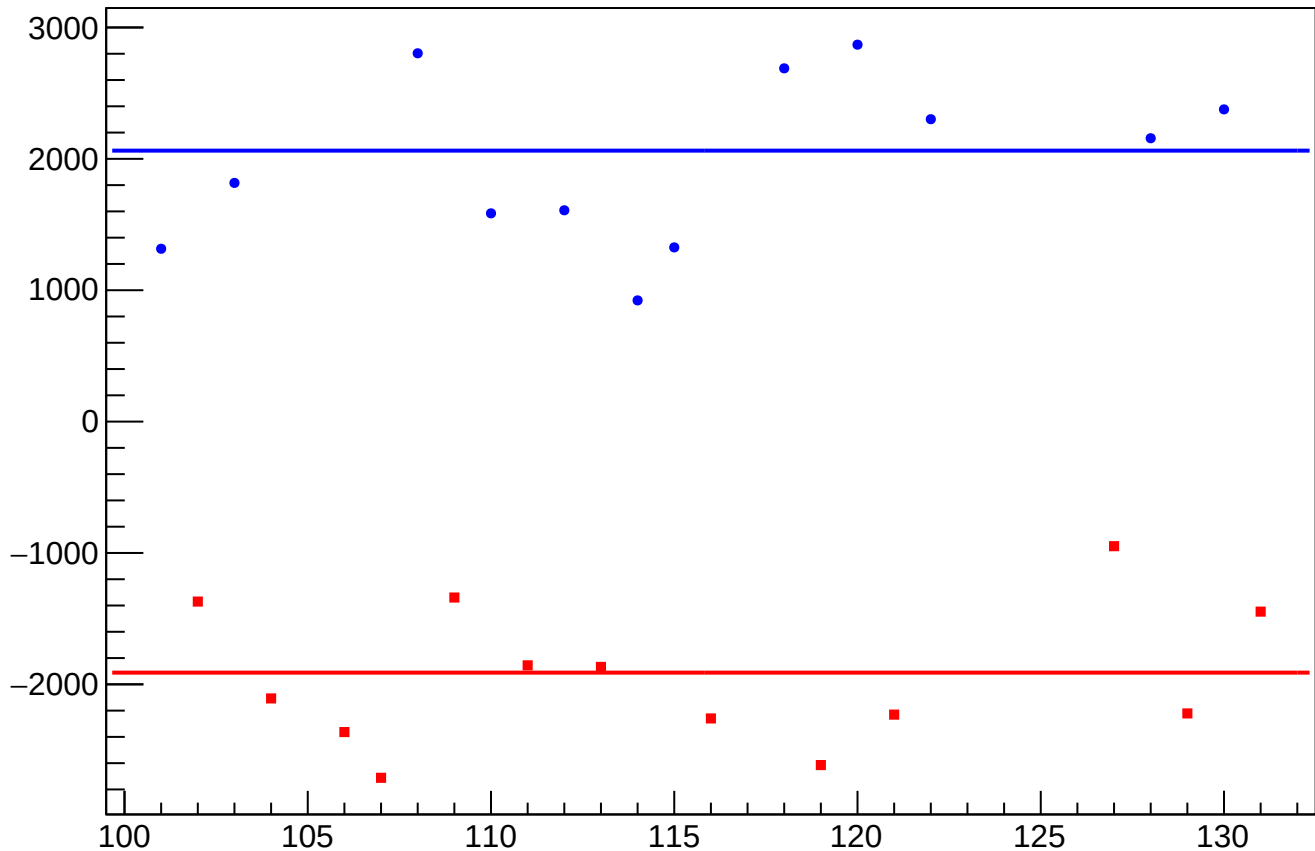
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

dit\_sam7\_coil3\_mean vs Slug, Sign Corrected



Right In: 2062.559+/-0.000  $\chi^2/\text{NDF}$ : 148968895442329724841721025242326892544.0/11

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

Right Out: -1910.875+/-0.000  $\chi^2/\text{NDF}$ : 150215355619665028369493329145290031104.0/12

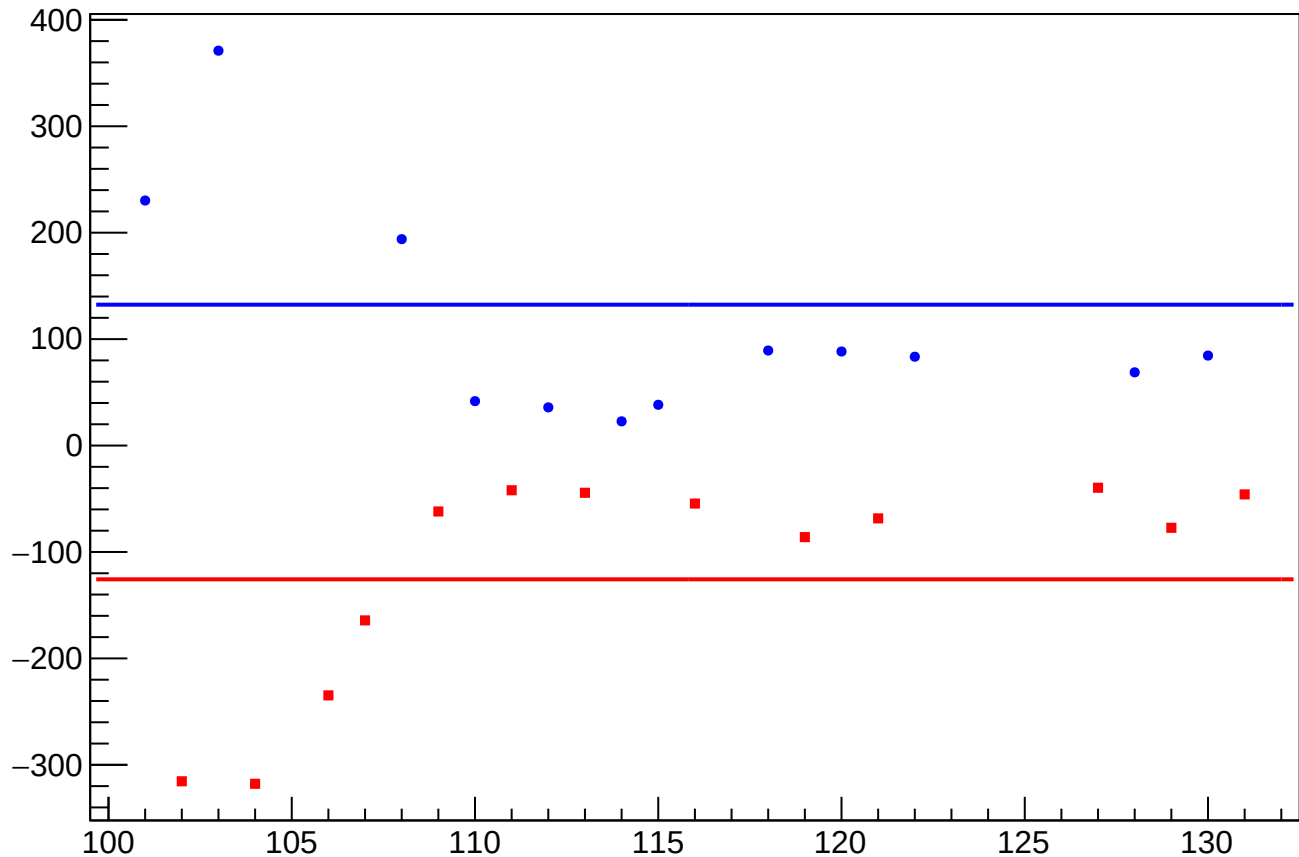
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2062.559+/-0.000  $\chi^2/\text{NDF}$ : 1489688954423297

-31.294+/-0.000  $\chi^2/\text{NDF}$ : 445907722186

-1910.875+/-0.000  $\chi^2/\text{NDF}$ : 150215355619665

dit\_sam7\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 132.375+/-0.000  $\chi^2/\text{NDF}$ : 5674704317827457268747780933057249280.0/11

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

Right Out: -125.672+/-0.000  $\chi^2/\text{NDF}$ : 6213066289550582423700364640261242880.0/12

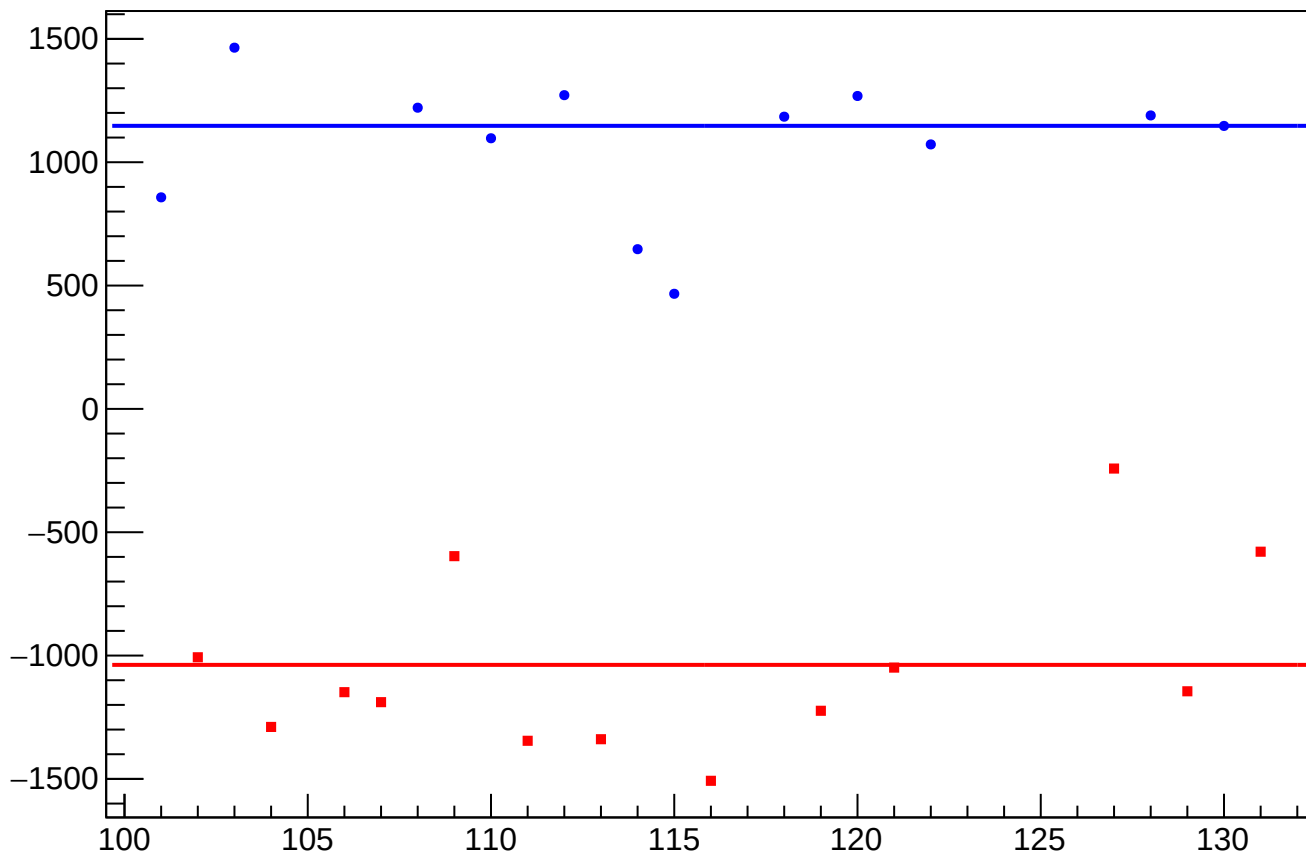
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

132.375+/-0.000  $\chi^2/\text{NDF}$ : 5674704317827457268747780933057249280.0/11

-3.606+/-0.000  $\chi^2/\text{NDF}$ : 29432467492723

-125.672+/-0.000  $\chi^2/\text{NDF}$ : 6213066289550582423700364640261242880.0/12

dit\_sam7\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

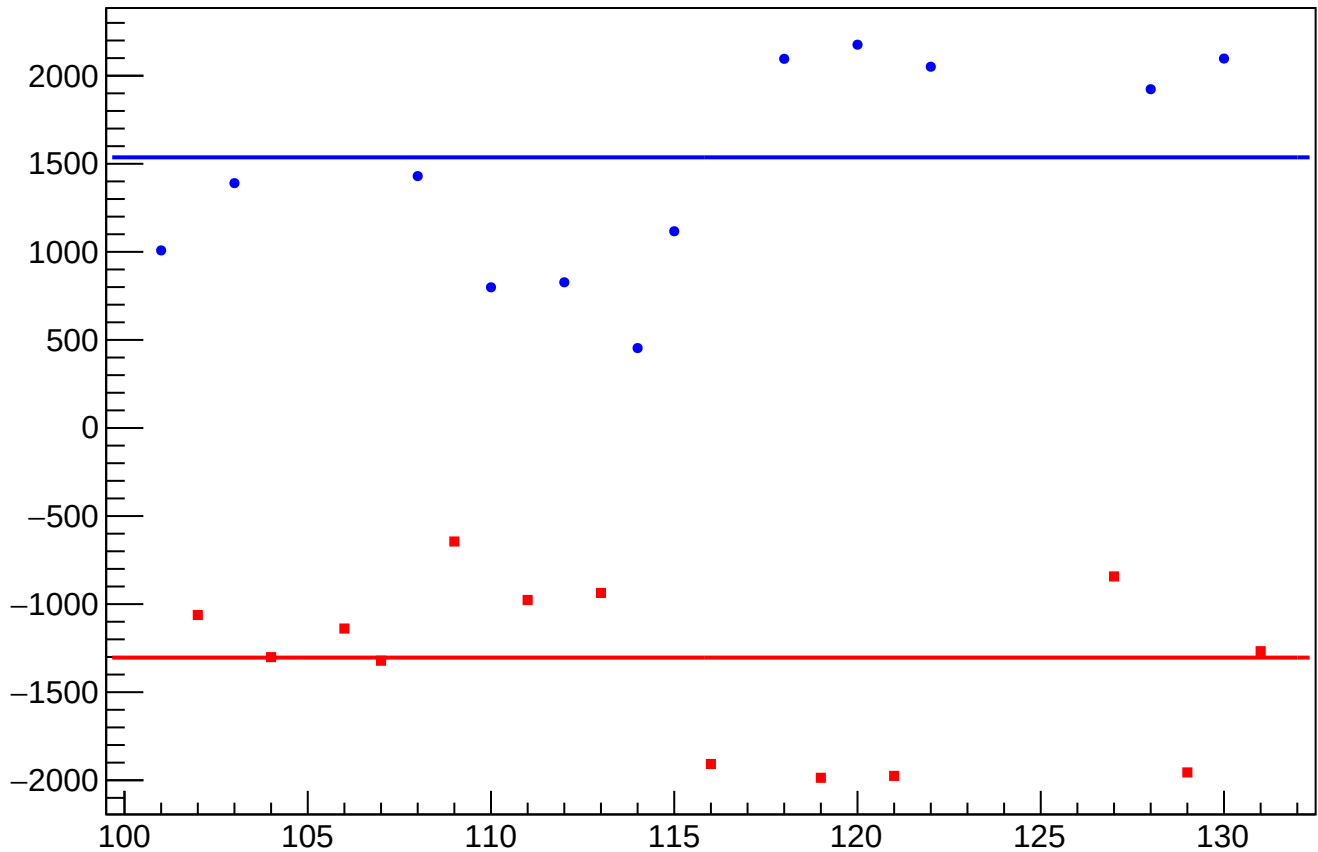
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753

dit\_sam8\_coil3\_mean vs Slug, Sign Corrected



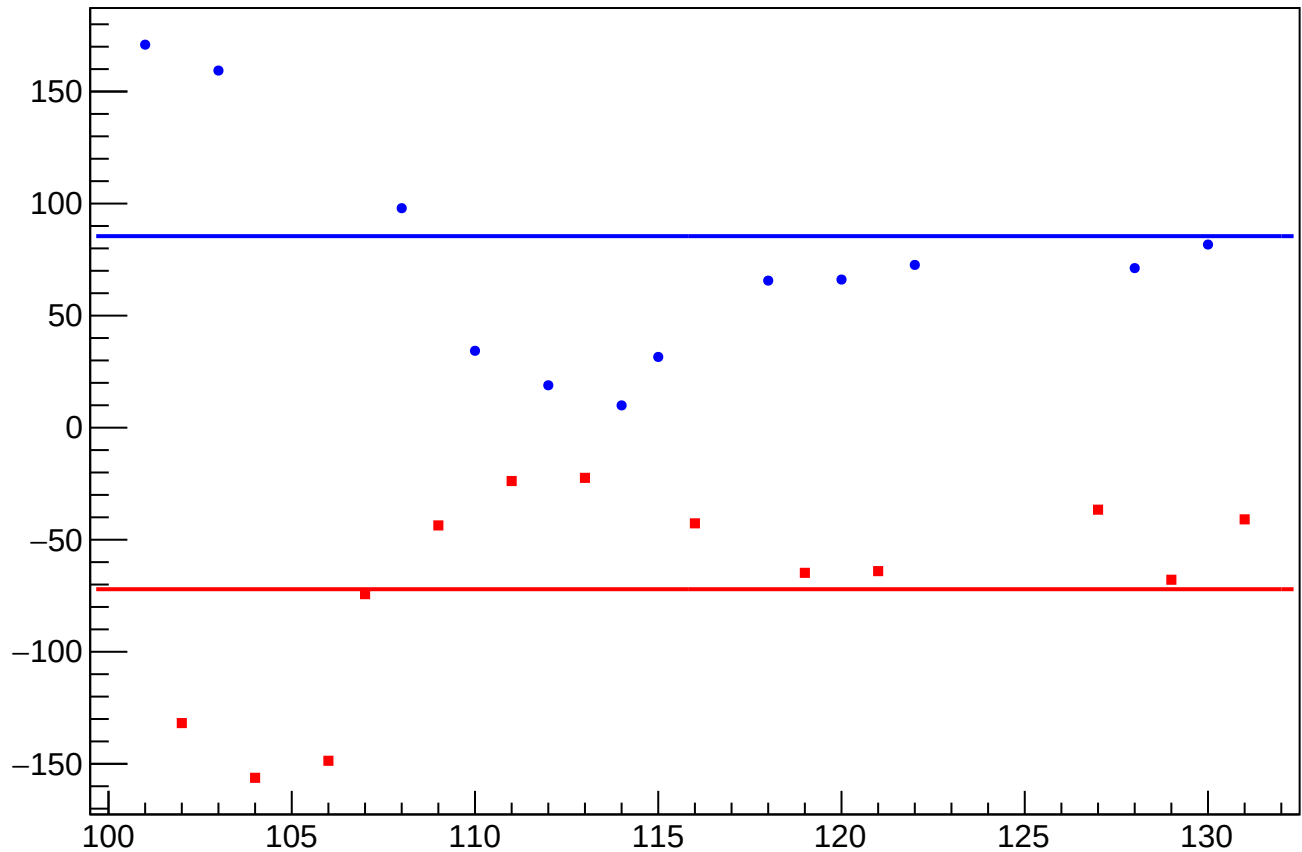
Right In: 1536.602 $\pm$ 0.000  $\chi^2$ /NDF: 144781144147991412136257915720969486336.0/11

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

Right Out: -1303.682 $\pm$ 0.000  $\chi^2$ /NDF: 115645878138199162608962893755453538304.0/12

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

dit\_sam8\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 85.463+/-0.000  $\chi^2/\text{NDF}$ : 1227117258095397516089477683113623552.0/11

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

Right Out: -72.081+/-0.000  $\chi^2/\text{NDF}$ : 1127009786876986916146325945684328448.0/12

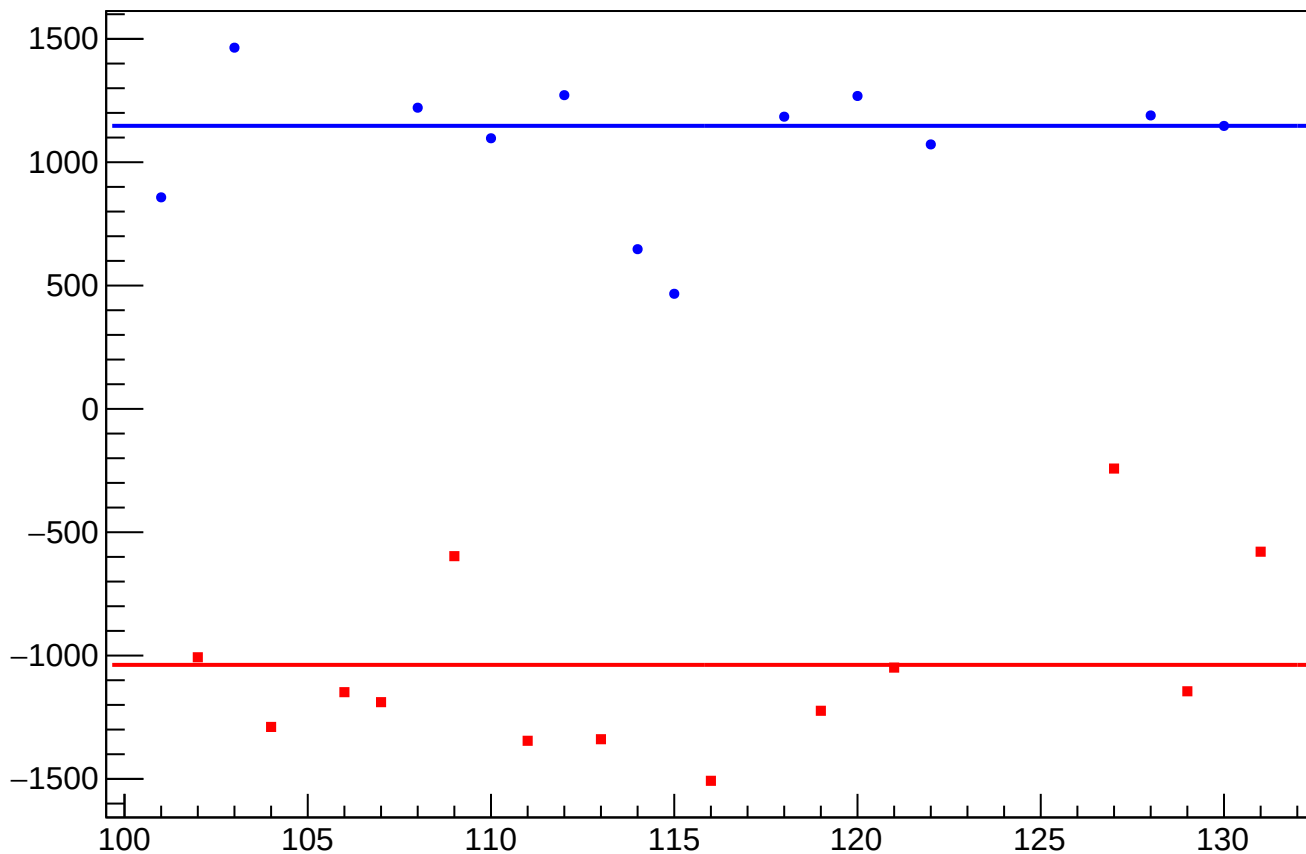
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

85.463+/-0.000  $\chi^2/\text{NDF}$ : 1227117258095397516089477683113623552.0/11

2.443+/-0.000  $\chi^2/\text{NDF}$ : 88937545125516

-72.081+/-0.000  $\chi^2/\text{NDF}$ : 1127009786876986916146325945684328448.0/12

dit\_sam8\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1147.536+/-0.000  $\chi^2/\text{NDF}$ : 21426705532992413242979706106451853312.0/11

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

Right Out: -1037.750+/-0.000  $\chi^2/\text{NDF}$ : 66001699670175329549239864852173815808.0/12

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

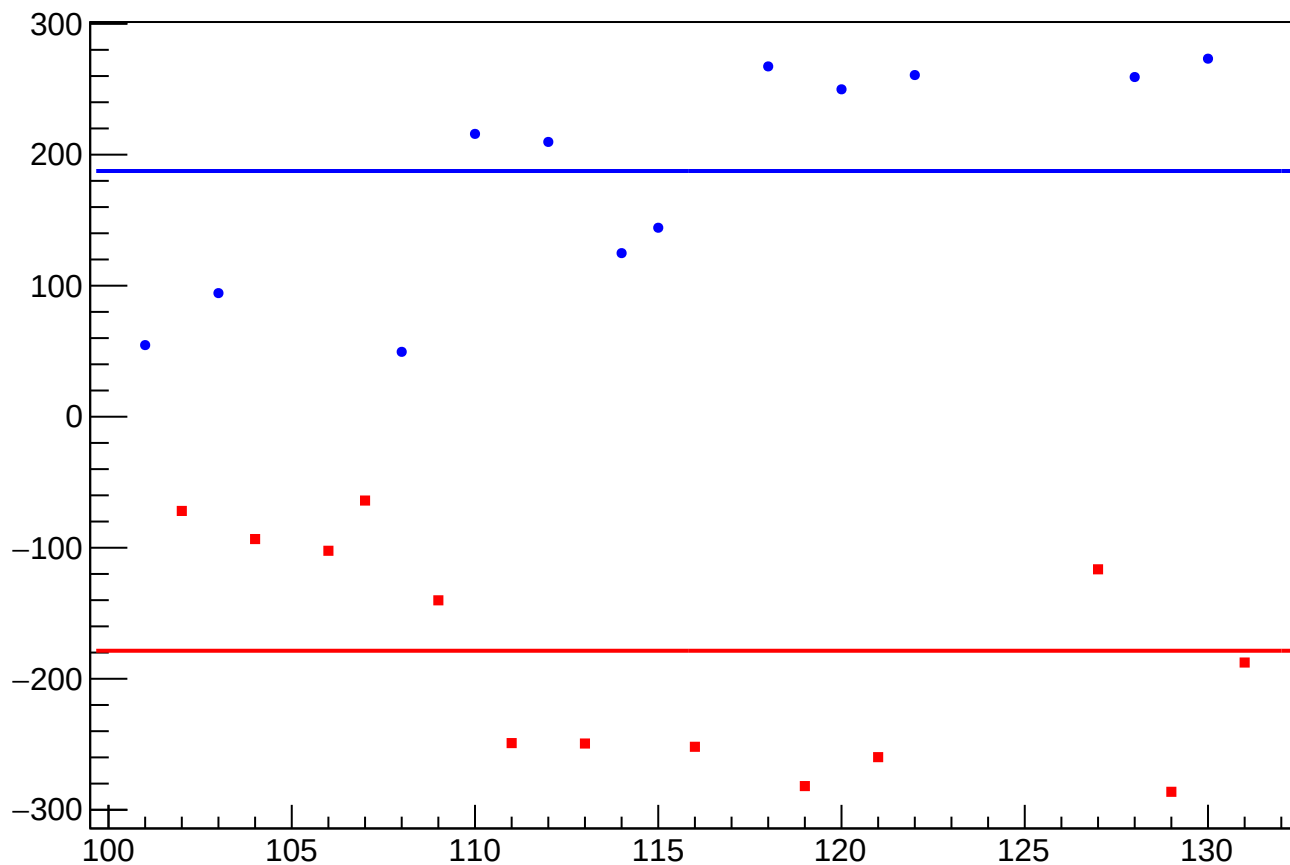
1147.536+/-0.000  $\chi^2/\text{NDF}$ : 2142670553299241

-4.029+/-0.000  $\chi^2/\text{NDF}$ : 13456784586296

-1037.750+/-0.000  $\chi^2/\text{NDF}$ : 660016996701753



dit\_4aX\_coil7\_mean vs Slug, Sign Corrected



Right In: 187.526+/-0.000  $\chi^2/\text{NDF}$ : 3754663082595935202752556810408820736.0/11

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

Right Out: -178.610+/-0.000  $\chi^2/\text{NDF}$ : 3816536595390164852378073927084146688.0/12

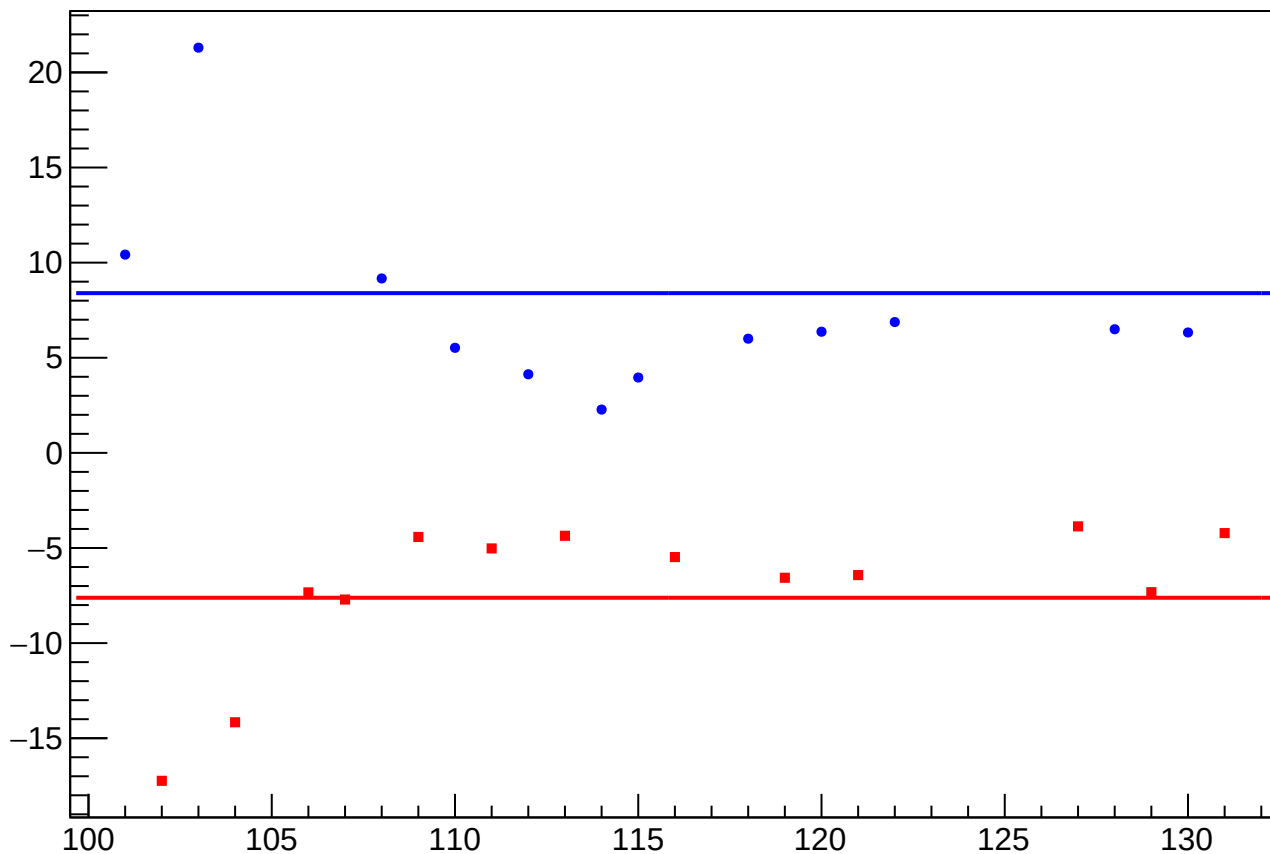
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

187.526+/-0.000  $\chi^2/\text{NDF}$ : 37546630825959352

-5.414+/-0.000  $\chi^2/\text{NDF}$ : 42892496125650

-178.610+/-0.000  $\chi^2/\text{NDF}$ : 3816536595390164

dit\_4aX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 8.396+/-0.000  $\chi^2/\text{NDF}$ : 12930848905070585415787024134176768.0/11

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

Right Out: -7.616+/-0.000  $\chi^2/\text{NDF}$ : 10142642940705402294410029092044800.0/12

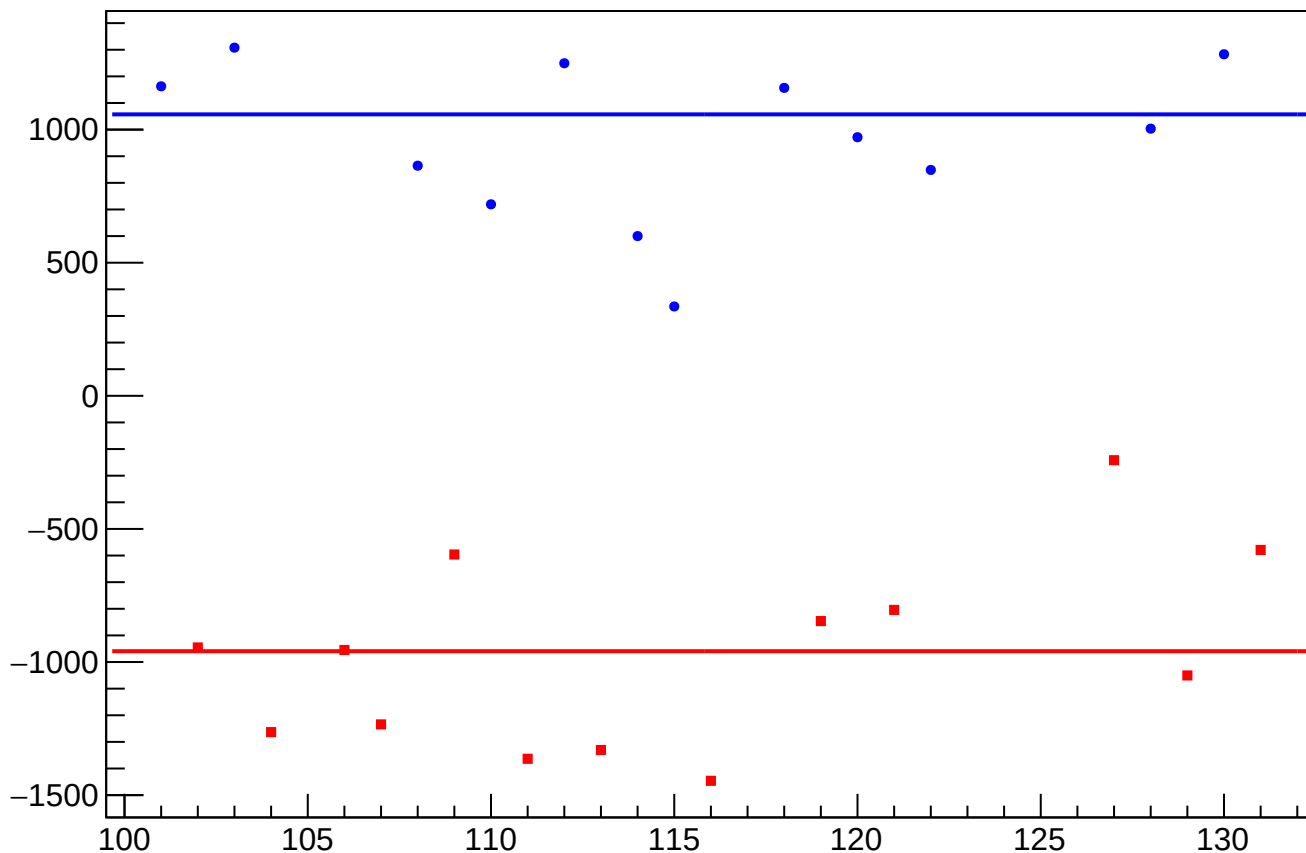
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

8.396+/-0.000  $\chi^2/\text{NDF}$ : 1293084890507058541

-0.042+/-0.000  $\chi^2/\text{NDF}$ : 9062755312940

-7.616+/-0.000  $\chi^2/\text{NDF}$ : 101426429407054022

dit\_4aX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

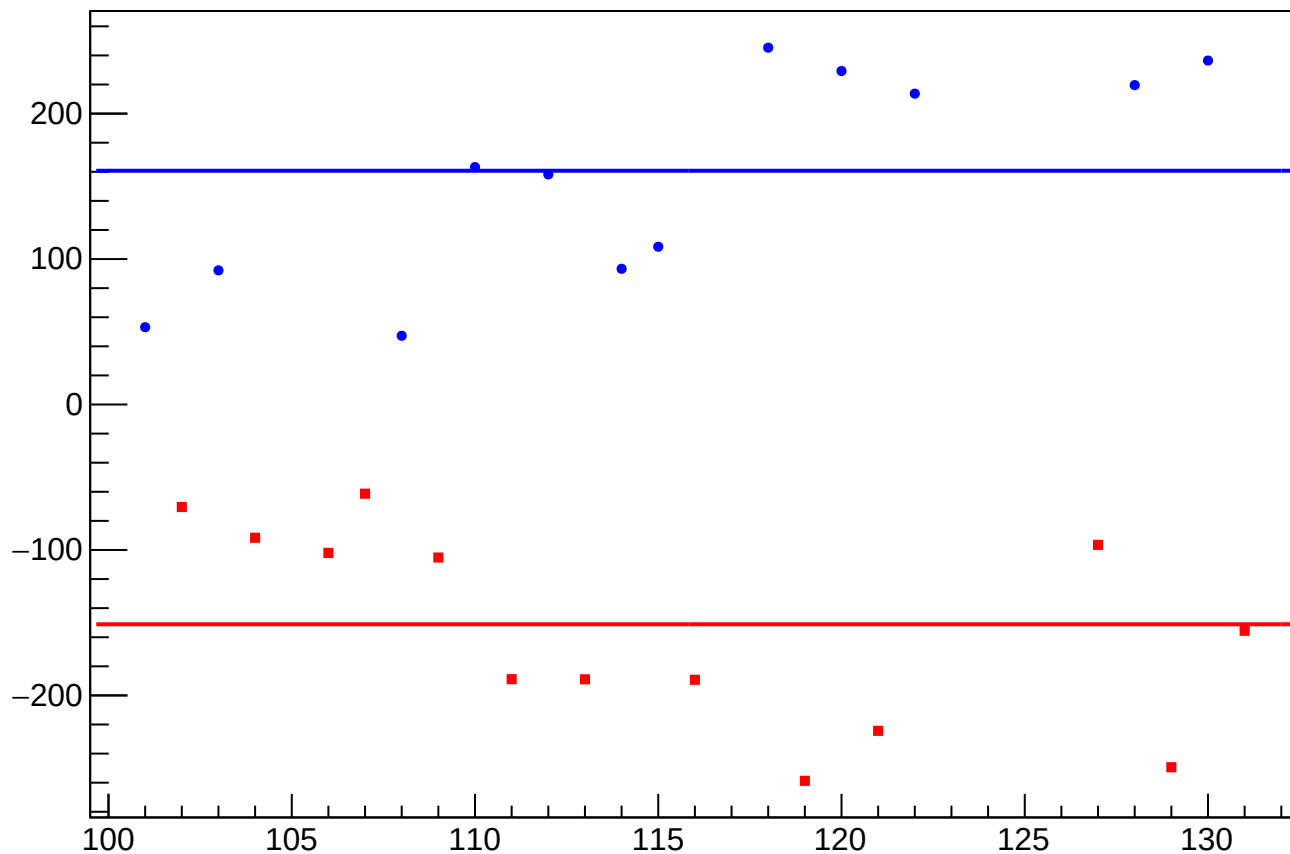
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

dit\_4eX\_coil7\_mean vs Slug, Sign Corrected



Right In: 160.717 $\pm$ 0.000  $\chi^2$ /NDF: 2679749301982890689006044474536624128.0/11

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

Right Out: -151.078 $\pm$ 0.000  $\chi^2$ /NDF: 2542177730678867372459391933564846080.0/12

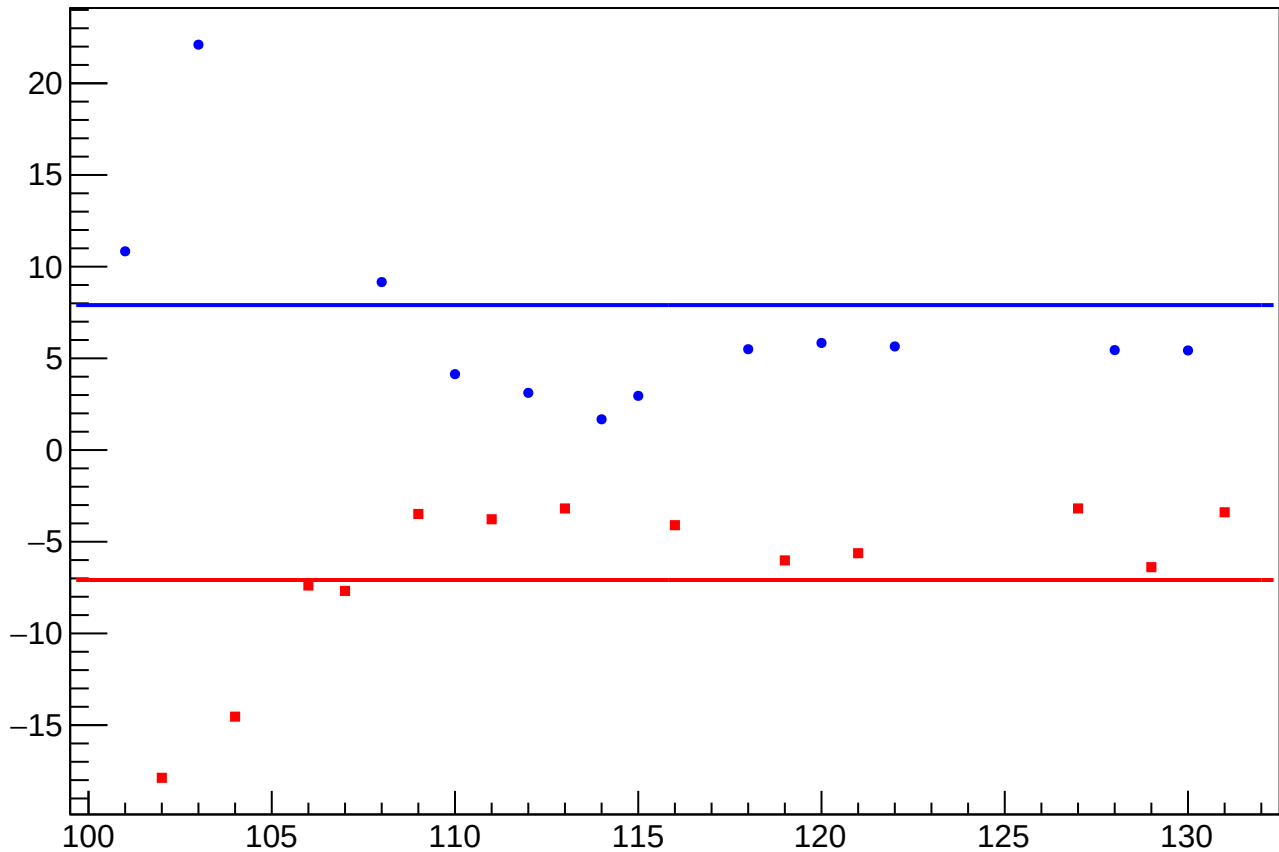
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

160.717 $\pm$ 0.000  $\chi^2$ /NDF: 26797493019828906

-3.588 $\pm$ 0.000  $\chi^2$ /NDF: 3083668634223

-151.078 $\pm$ 0.000  $\chi^2$ /NDF: 2542177730678867

dit\_4eX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 7.905+/-0.000  $\chi^2/\text{NDF}$ : 16174430516481821129115595381407744.0/11

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

Right Out: -7.086+/-0.000  $\chi^2/\text{NDF}$ : 13007792452251026377563324901490688.0/12

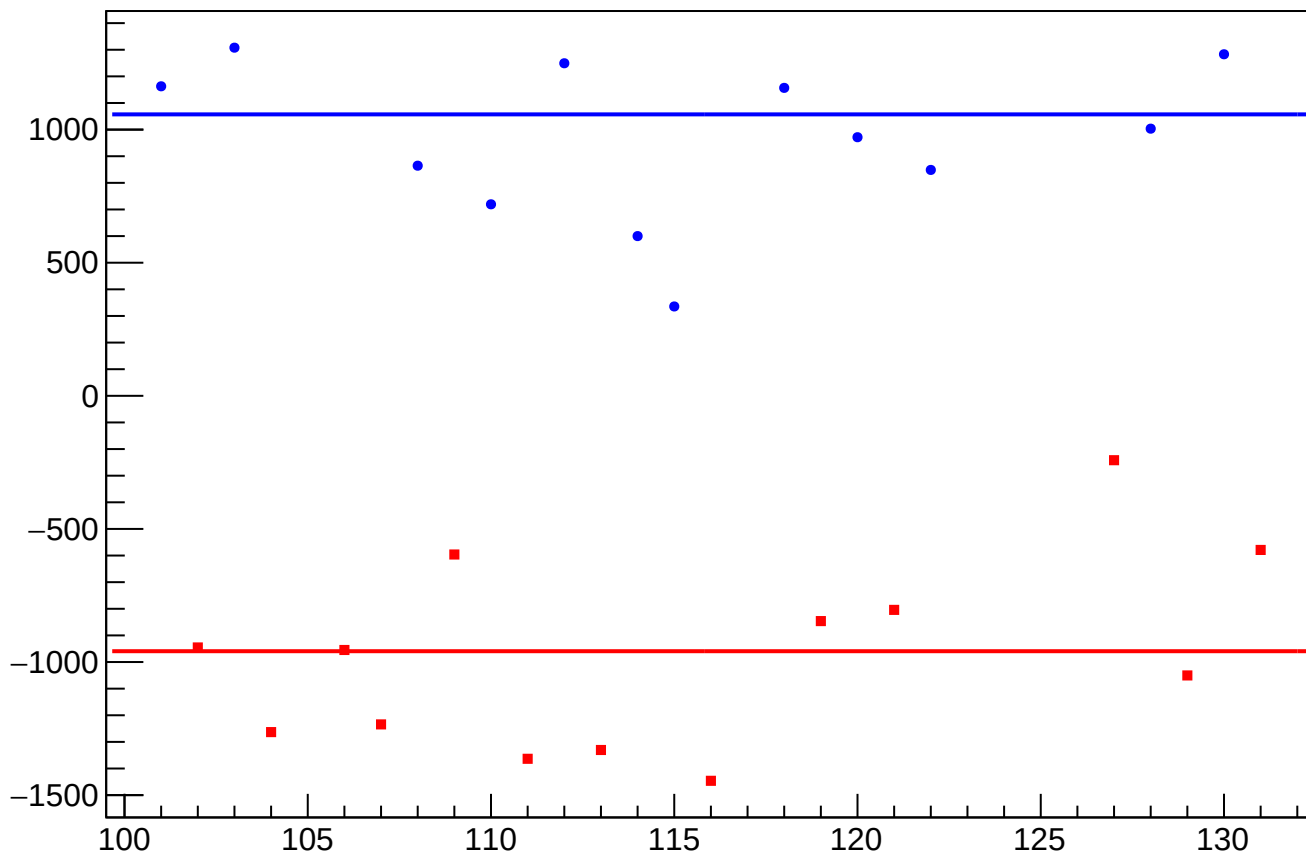
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

7.905+/-0.000  $\chi^2/\text{NDF}$ : 16174430516481821129115595381407744.0/11

0.005+/-0.000  $\chi^2/\text{NDF}$ : 88393591952133

-7.086+/-0.000  $\chi^2/\text{NDF}$ : 13007792452251026377563324901490688.0/12

dit\_4eX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

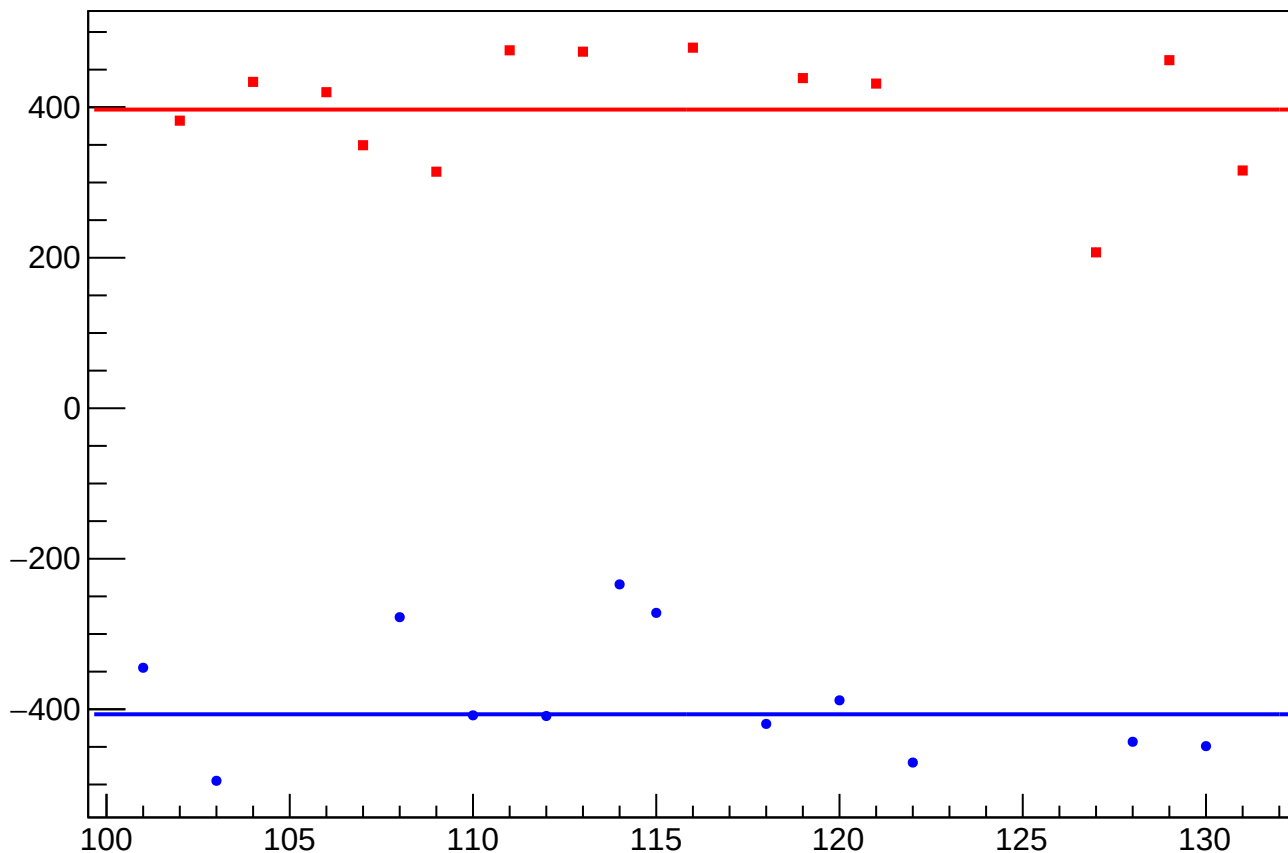
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

dit\_11X12X\_coil7\_mean vs Slug, Sign Corrected



Right In: -406.675+/-0.000  $\chi^2/\text{NDF}$ : 2251384342157155131790078114237775872.0/11

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

Right Out: 396.943+/-0.000  $\chi^2/\text{NDF}$ : 3363427981274343657768073743287975936.0/12

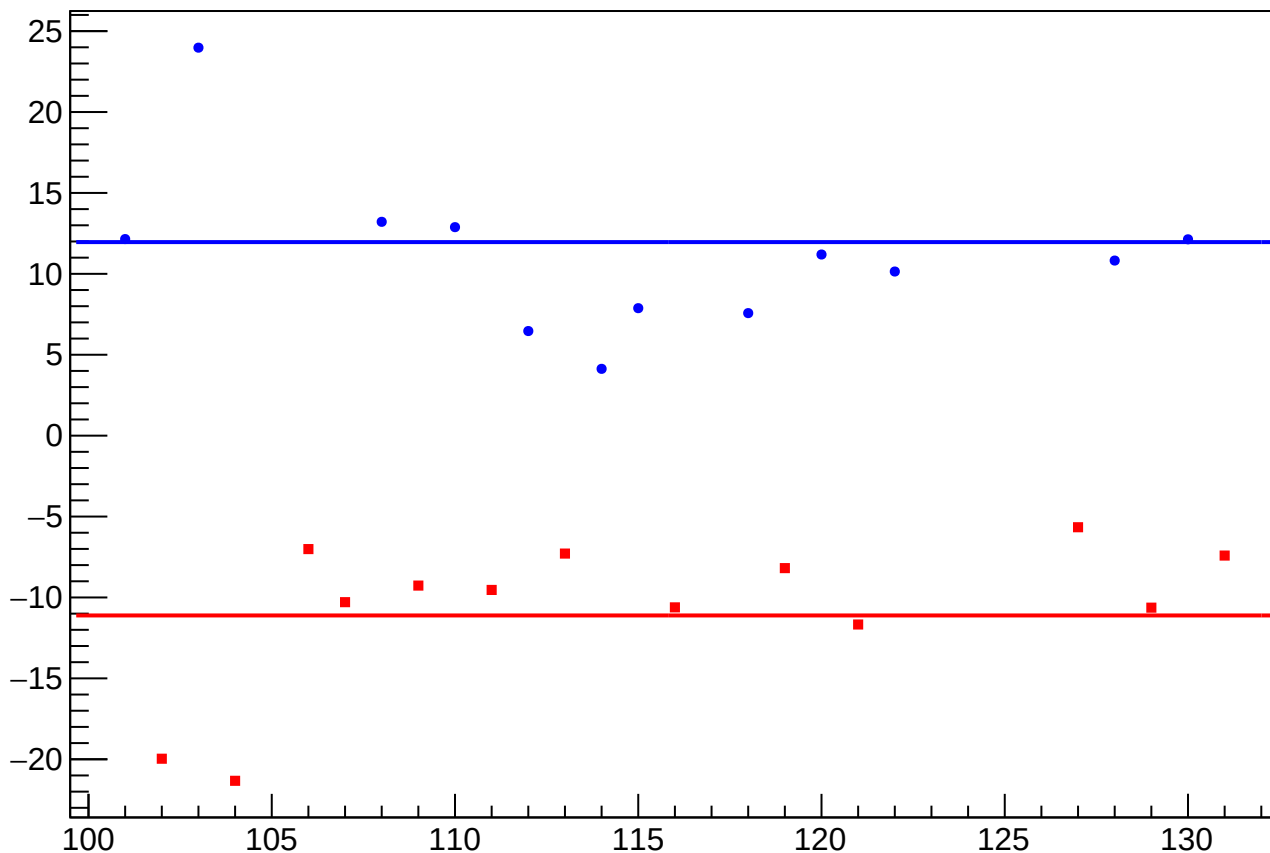
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-406.675+/-0.000  $\chi^2/\text{NDF}$ : 2251384342157155

16.802+/-0.000  $\chi^2/\text{NDF}$ : 1757715764284

396.943+/-0.000  $\chi^2/\text{NDF}$ : 33634279812743436

dit\_11X12X\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 11.962 $\pm$ 0.000  $\chi^2$ /NDF: 12286398871853541047629389861224448.0/11

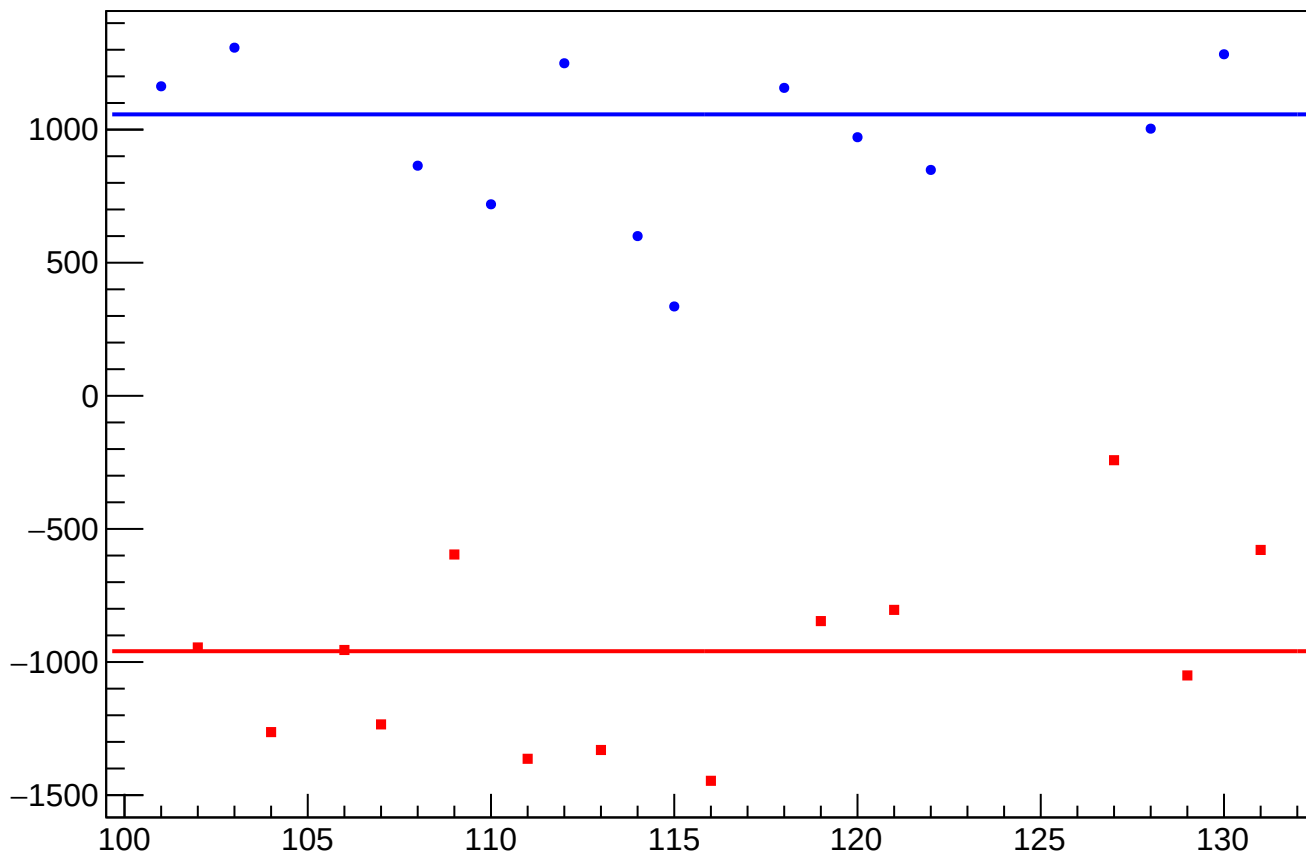
Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -11.112 $\pm$ 0.000  $\chi^2$ /NDF: 13645687794239553571762553606897664.0/12

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



dit\_11X12X\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

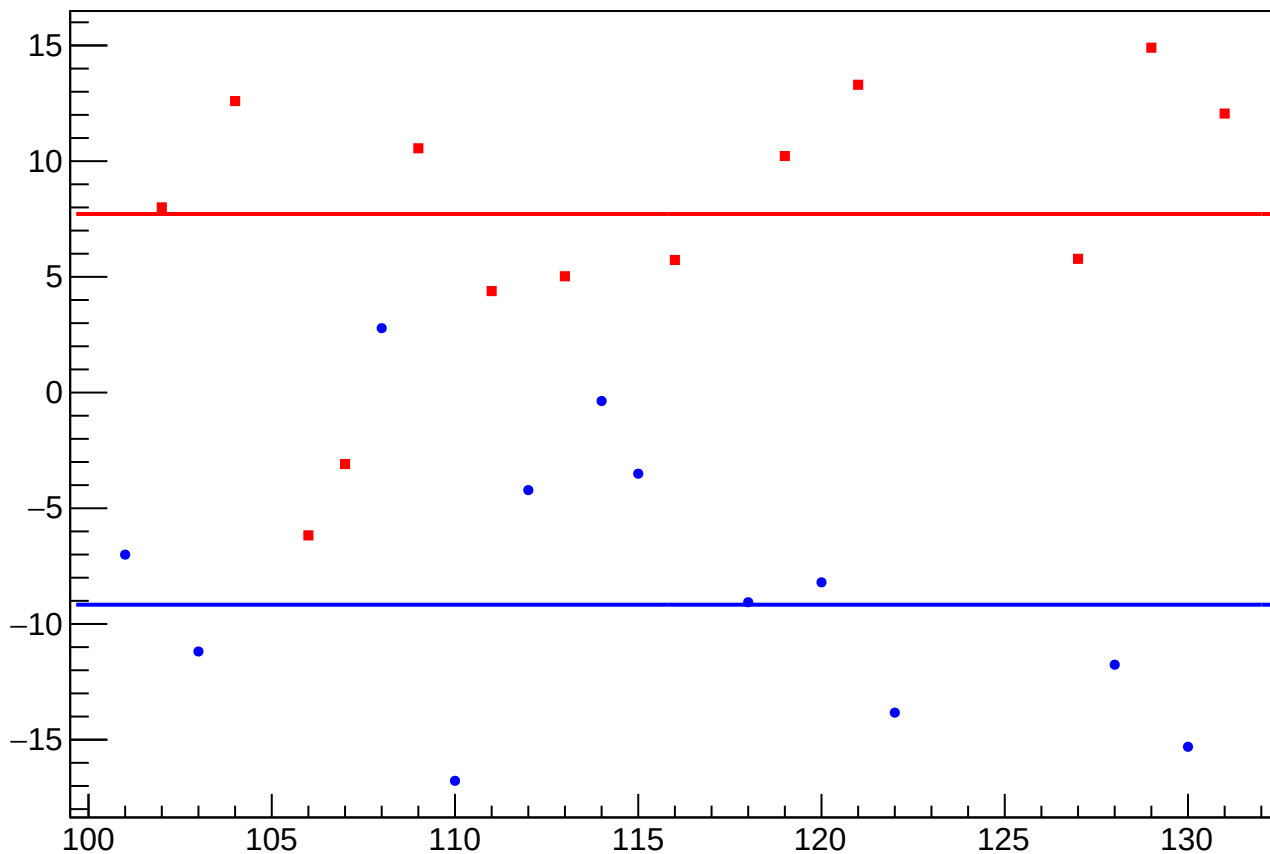
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

# dit\_4aY\_coil7\_mean vs Slug, Sign Corrected



Right In: -9.167+/-0.000  $\chi^2/\text{NDF}$ : 13797527334368233769619483562868736.0/11

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

Right Out: 7.717+/-0.000  $\chi^2/\text{NDF}$ : 17326846061168029010311144408088576.0/12

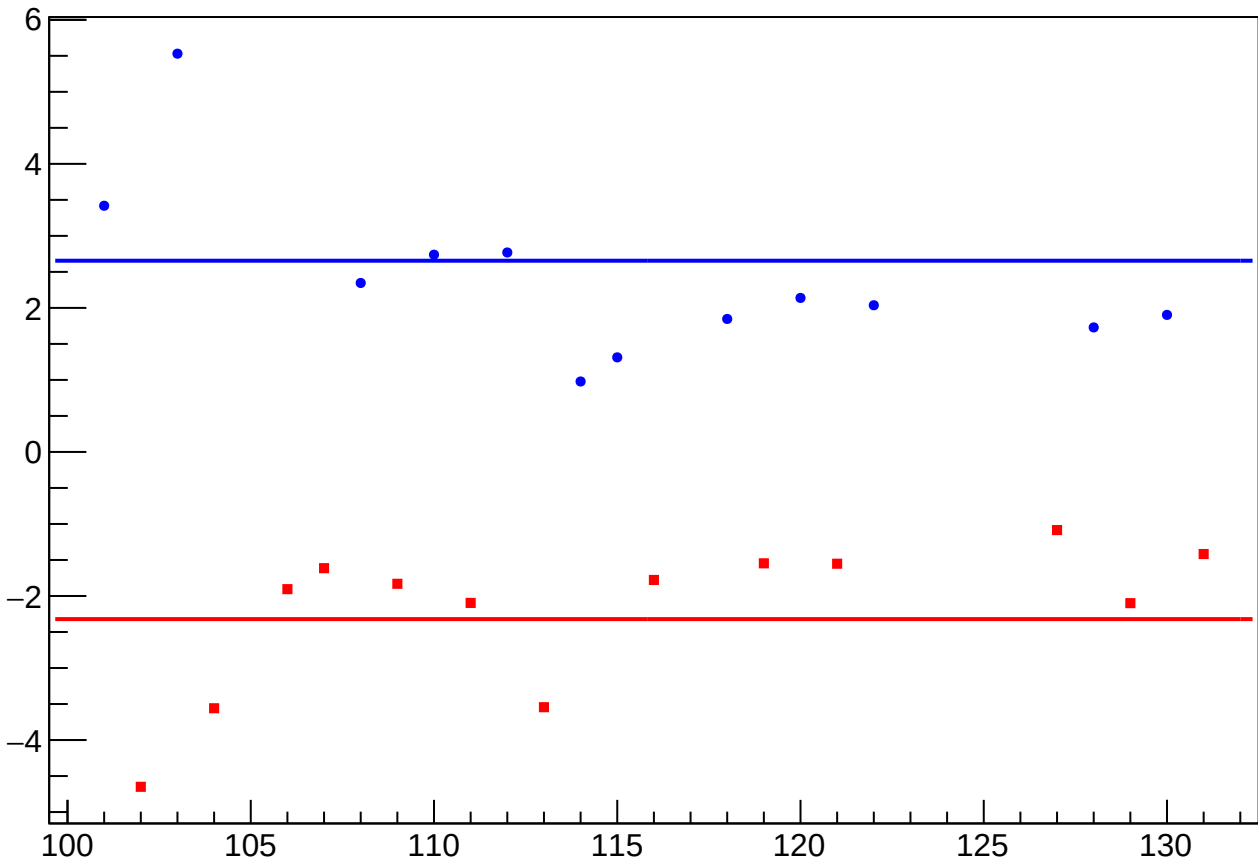
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

-9.167+/-0.000  $\chi^2/\text{NDF}$ : 137975273343682337

-0.269+/-0.000  $\chi^2/\text{NDF}$ : 1062360243964

7.717+/-0.000  $\chi^2/\text{NDF}$ : 1732684606116802901

dit\_4aY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 2.655+/-0.000  $\chi^2/\text{NDF}$ : 717168717396695464074818787213312.0/11

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

Right Out: -2.321+/-0.000  $\chi^2/\text{NDF}$ : 659992559111647224351224947015680.0/12

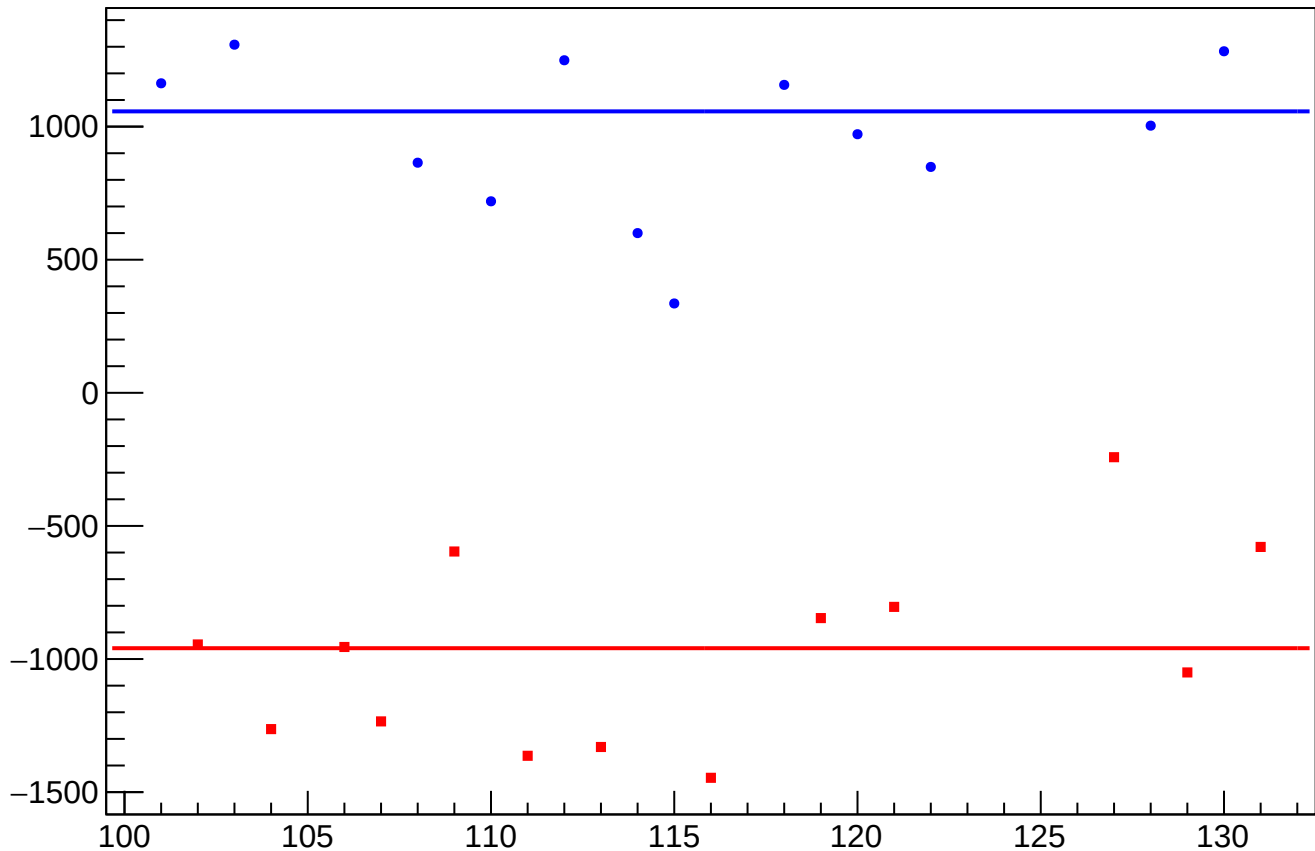
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.655+/-0.000  $\chi^2/\text{NDF}$ : 717168717396695464074818787213312.0/11

0.033+/-0.000  $\chi^2/\text{NDF}$ : 79014748742361

-2.321+/-0.000  $\chi^2/\text{NDF}$ : 659992559111647224351224947015680.0/12

dit\_4aY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

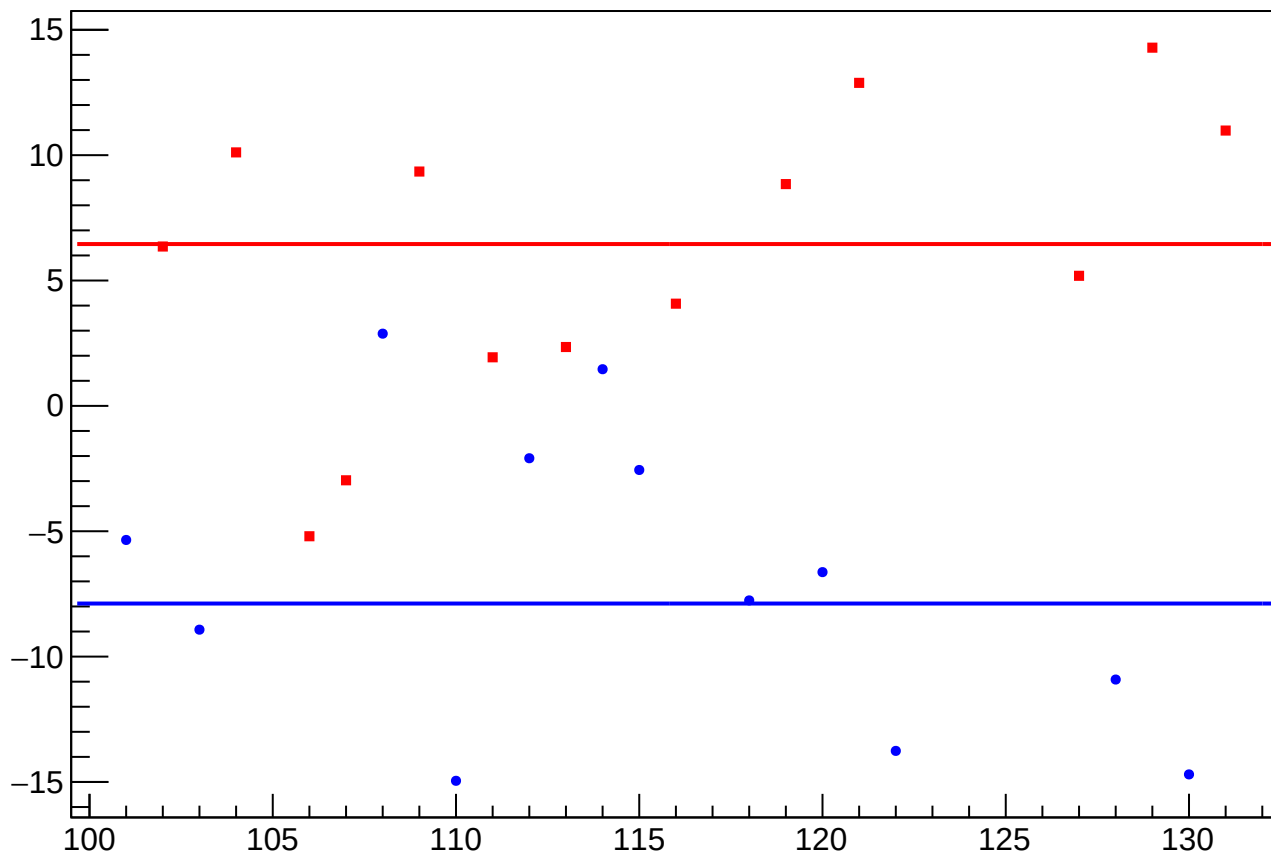
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

dit\_4eY\_coil7\_mean vs Slug, Sign Corrected



Right In: -7.883+/-0.000  $\chi^2/\text{NDF}$ : 14093783307095423078035440676110336.0/11

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

Right Out: 6.455+/-0.000  $\chi^2/\text{NDF}$ : 15670390601445353293730134555099136.0/12

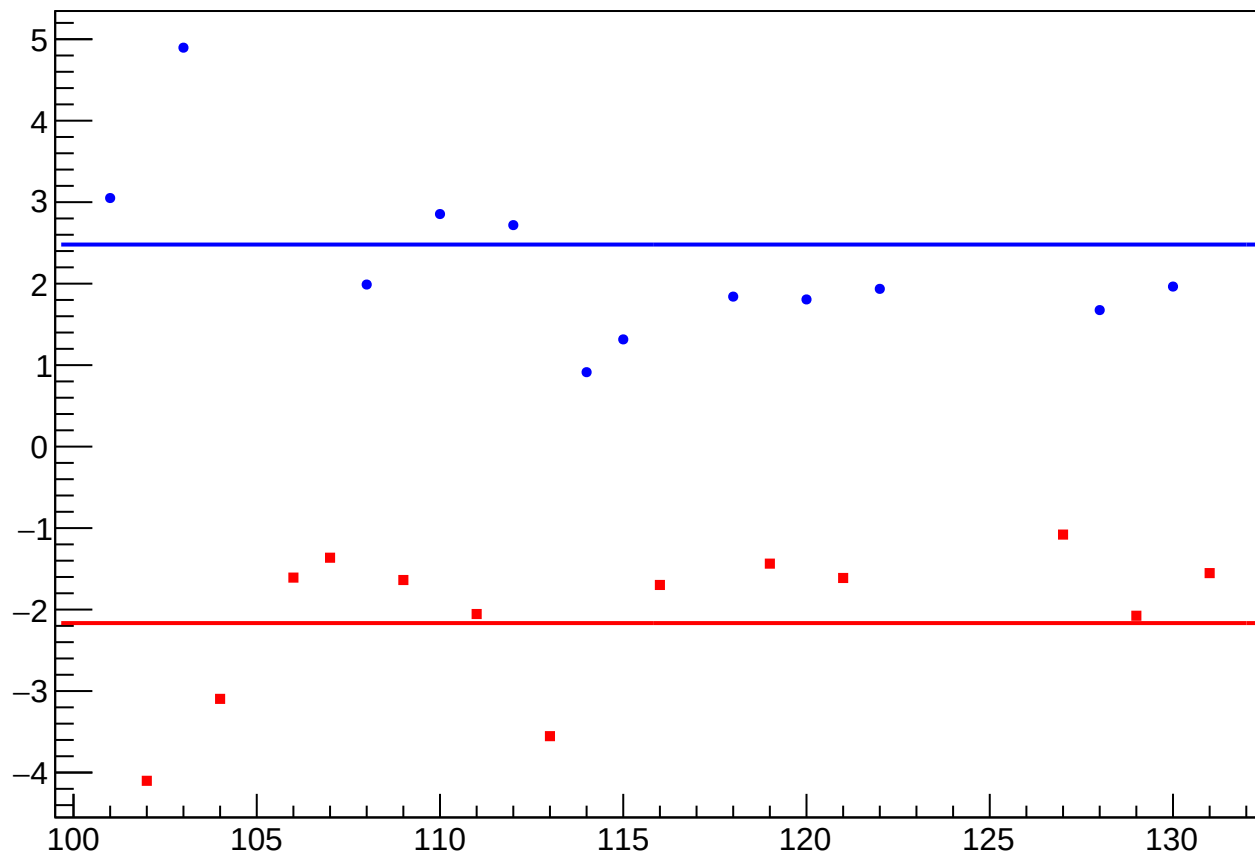
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-7.883+/-0.000  $\chi^2/\text{NDF}$ : 140937833070954230

-0.328+/-0.000  $\chi^2/\text{NDF}$ : 83930395809403

6.455+/-0.000  $\chi^2/\text{NDF}$ : 1567039060144535329

dit\_4eY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 2.480+/-0.000  $\chi^2/\text{NDF}$ : 524529154288349228608469457698816.0/11

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

Right Out: -2.166+/-0.000  $\chi^2/\text{NDF}$ : 508315976095839553532681458286592.0/12

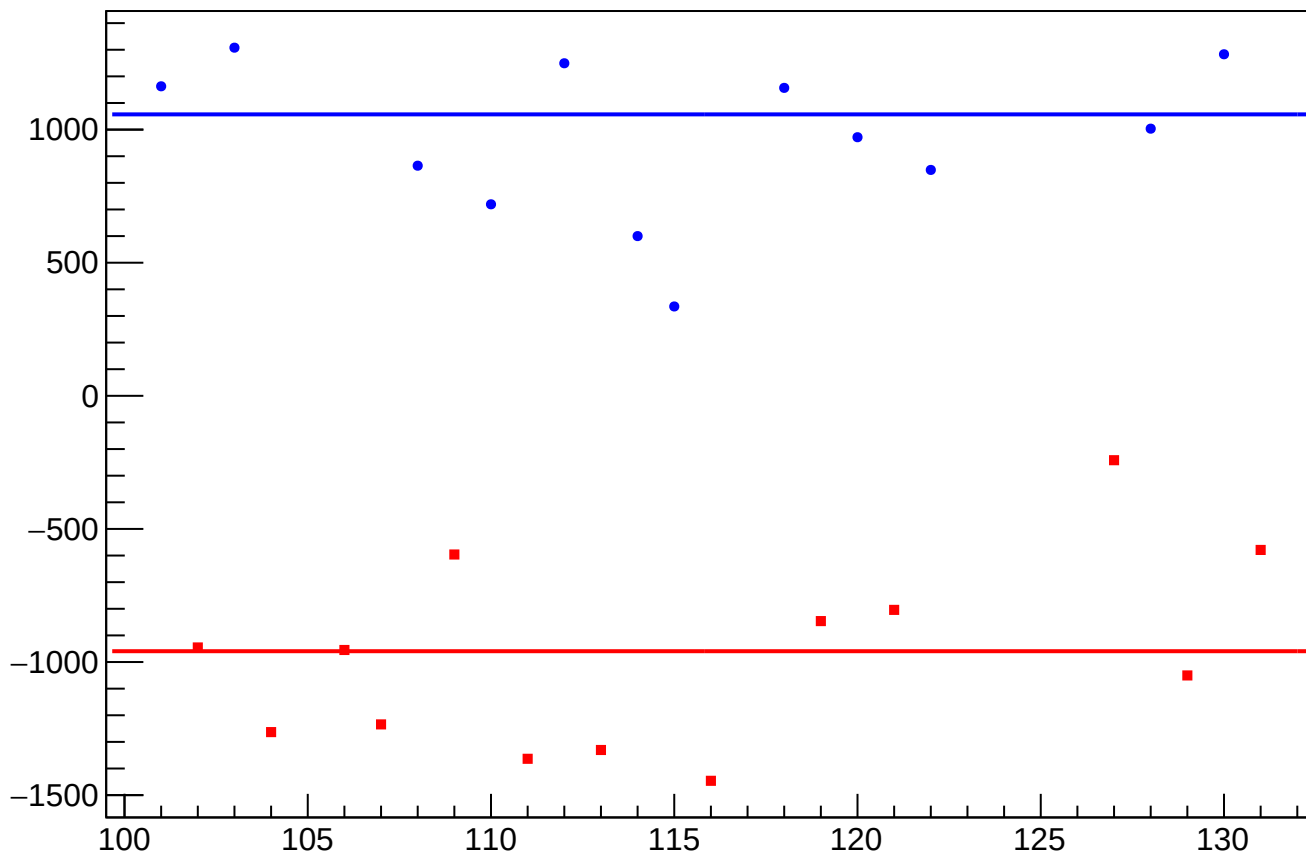
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.480+/-0.000  $\chi^2/\text{NDF}$ : 524529154288349228608469457698816.0/11

0.032+/-0.000  $\chi^2/\text{NDF}$ : 67193319241971

-2.166+/-0.000  $\chi^2/\text{NDF}$ : 508315976095839553532681458286592.0/12

dit\_4eY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

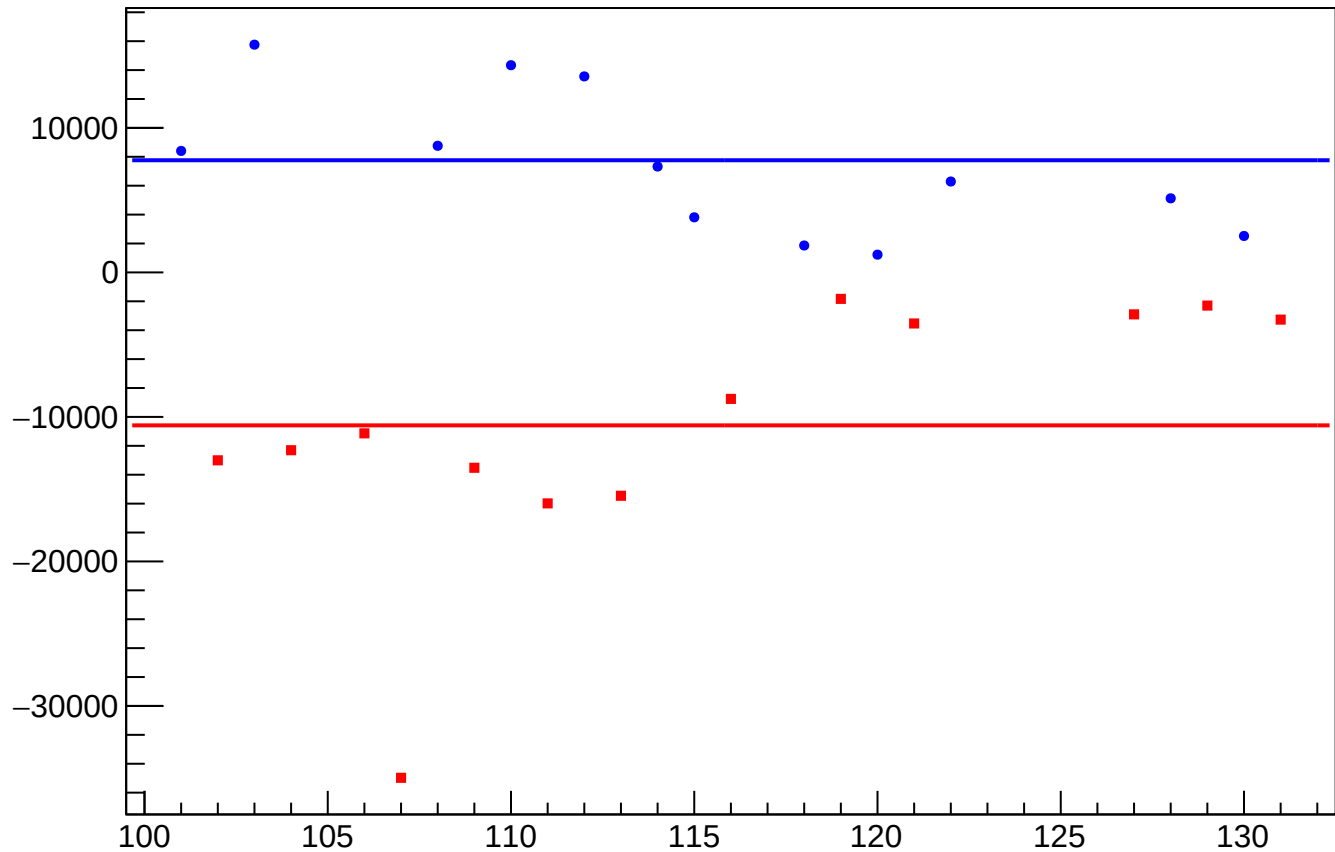
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

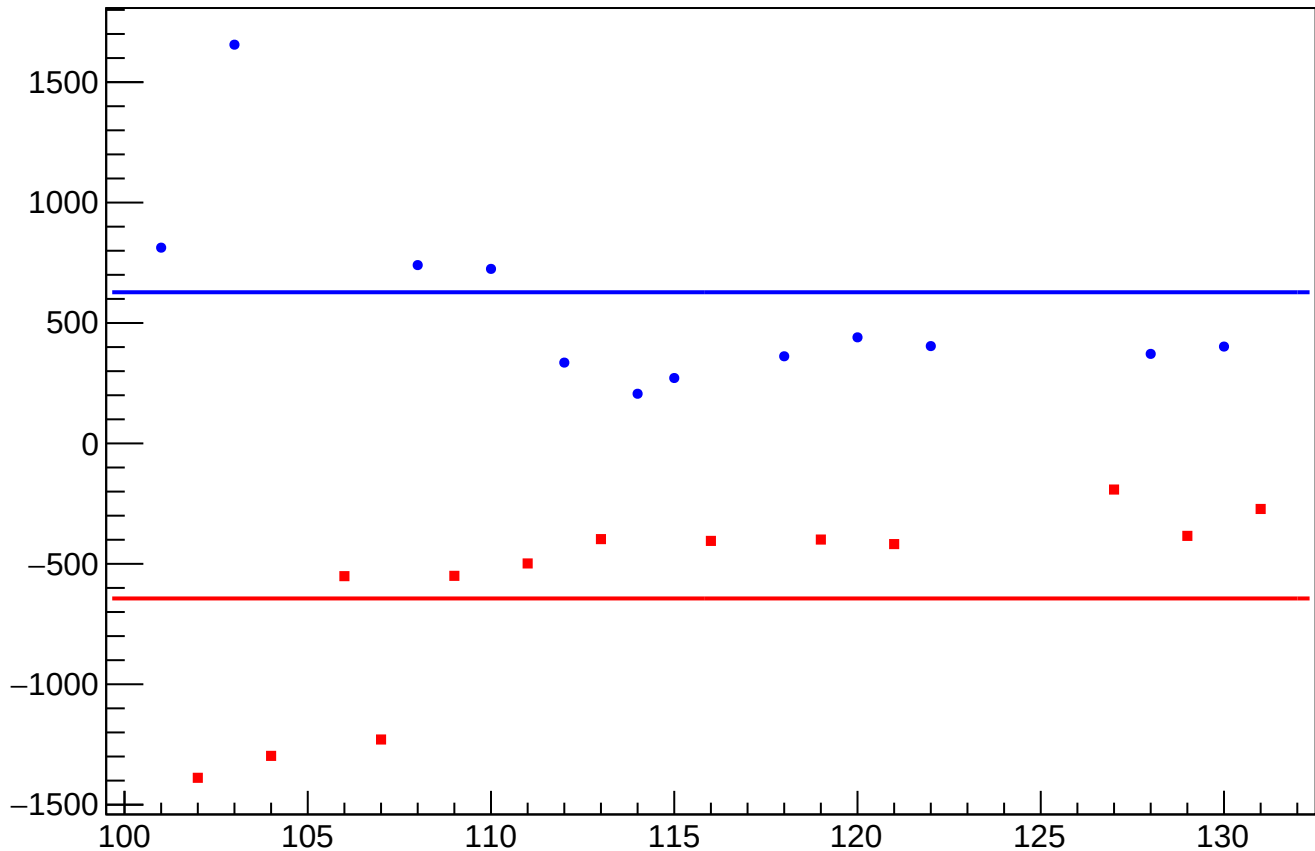
dit\_usl\_coil7\_mean vs Slug, Sign Corrected



Right In: 7760.852+/-0.000  $\chi^2/\text{NDF}$ : 12445419489291432518534228467532773195776.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -10584.693+/-0.000  $\chi^2/\text{NDF}$ : 38193531672531023954914289805770386046976.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_usl\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 627.653+/-0.000  $\chi^2/\text{NDF}$ : 86281738879725400513235722174715658240.0/11

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

Right Out: -643.720+/-0.000  $\chi^2/\text{NDF}$ : 94186584762487015229659365945007669248.0/12

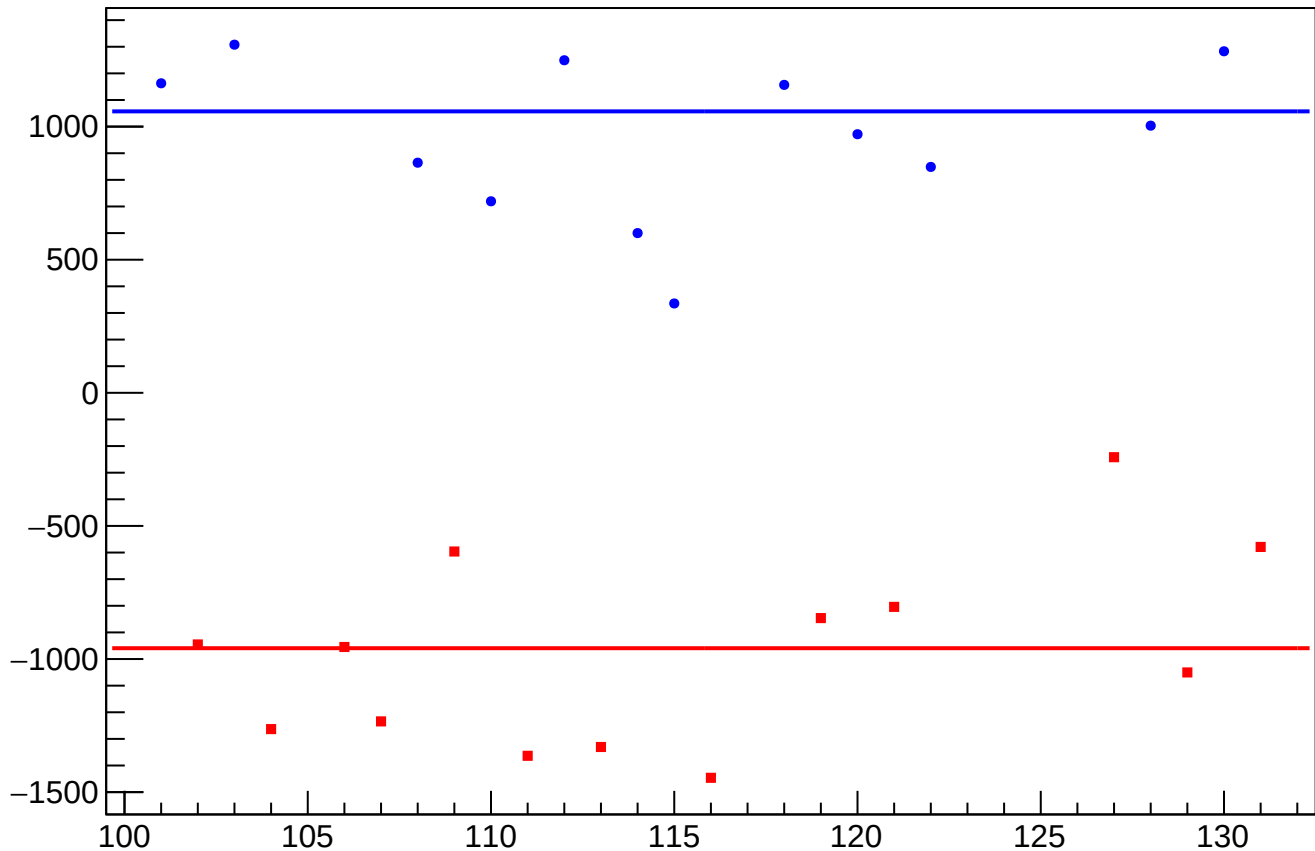
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

627.653+/-0.000  $\chi^2/\text{NDF}$ : 86281738879725400513235722174715658240.0/11

-42.314+/-0.000  $\chi^2/\text{NDF}$ : 6063572873020

-643.720+/-0.000  $\chi^2/\text{NDF}$ : 94186584762487015229659365945007669248.0/12

dit\_usl\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

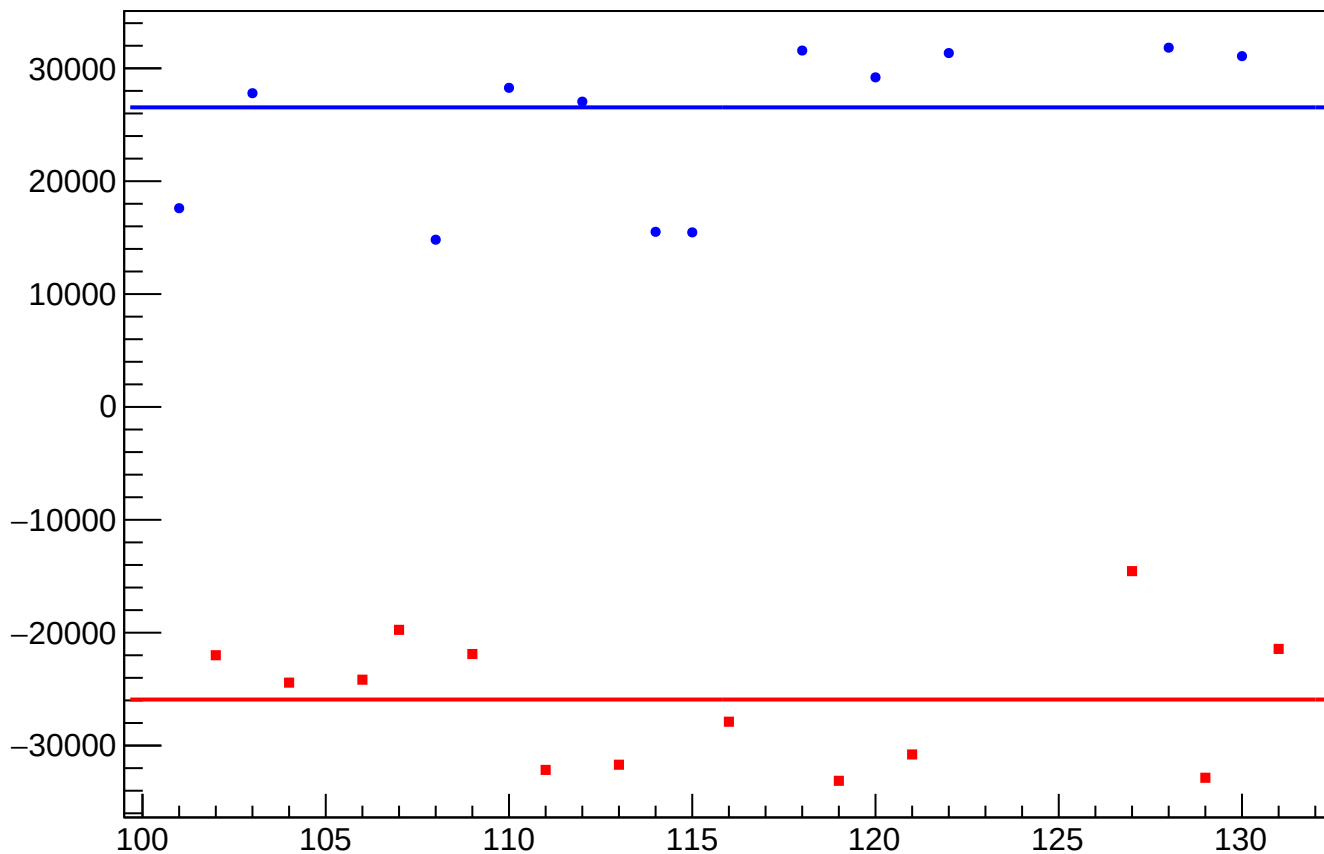
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

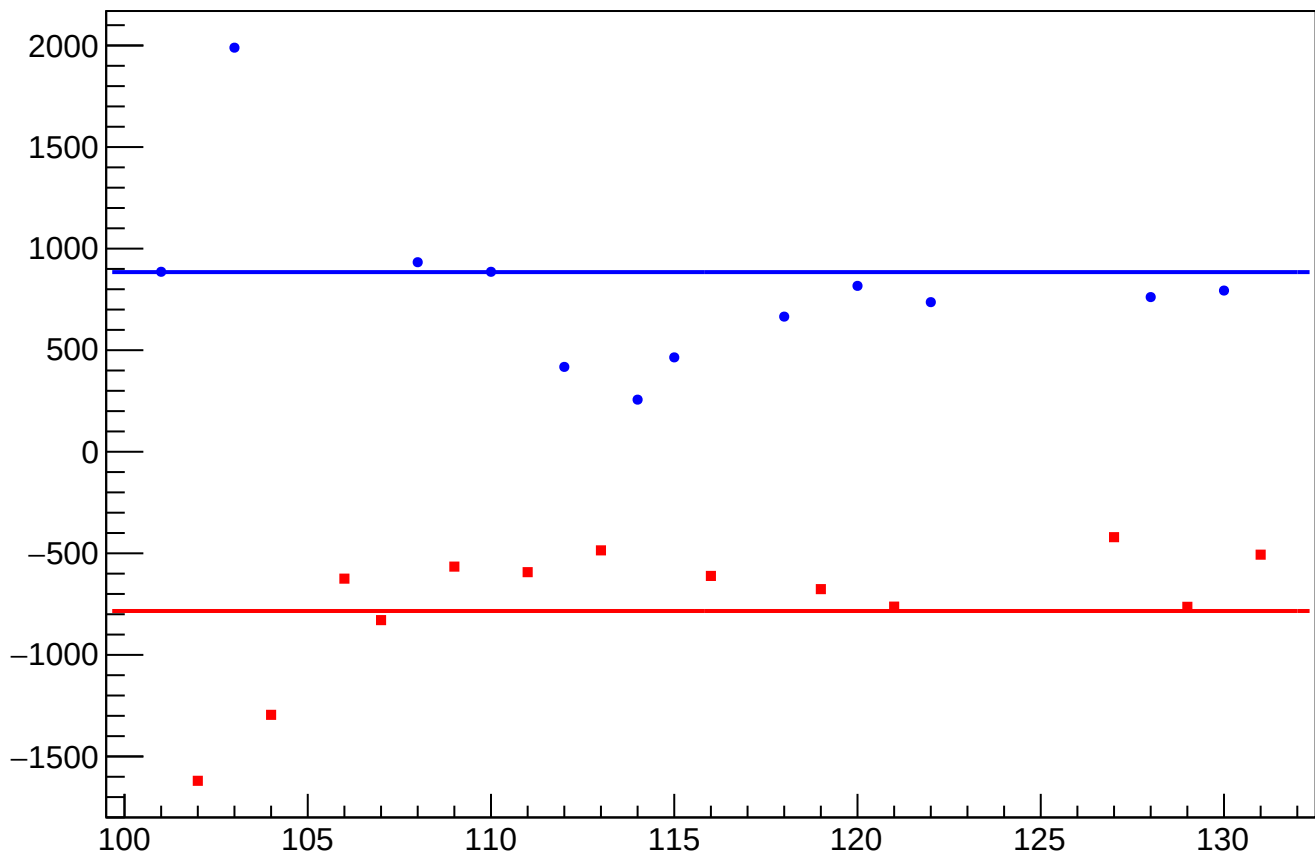
-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

dit\_usr\_coil7\_mean vs Slug, Sign Corrected



Right In: 26541.276+/-0.000  $\chi^2/\text{NDF}$ : 18189933207659864170150110372145760567296.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -25921.514+/-0.000  $\chi^2/\text{NDF}$ : 18614085467702124519740334630208698056704.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 884.388+/-0.000  $\chi^2/\text{NDF}$ : 94653768882592693857824688092351561728.0/11

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

Right Out: -783.901+/-0.000  $\chi^2/\text{NDF}$ : 72868354893767314865928248970132324352.0/12

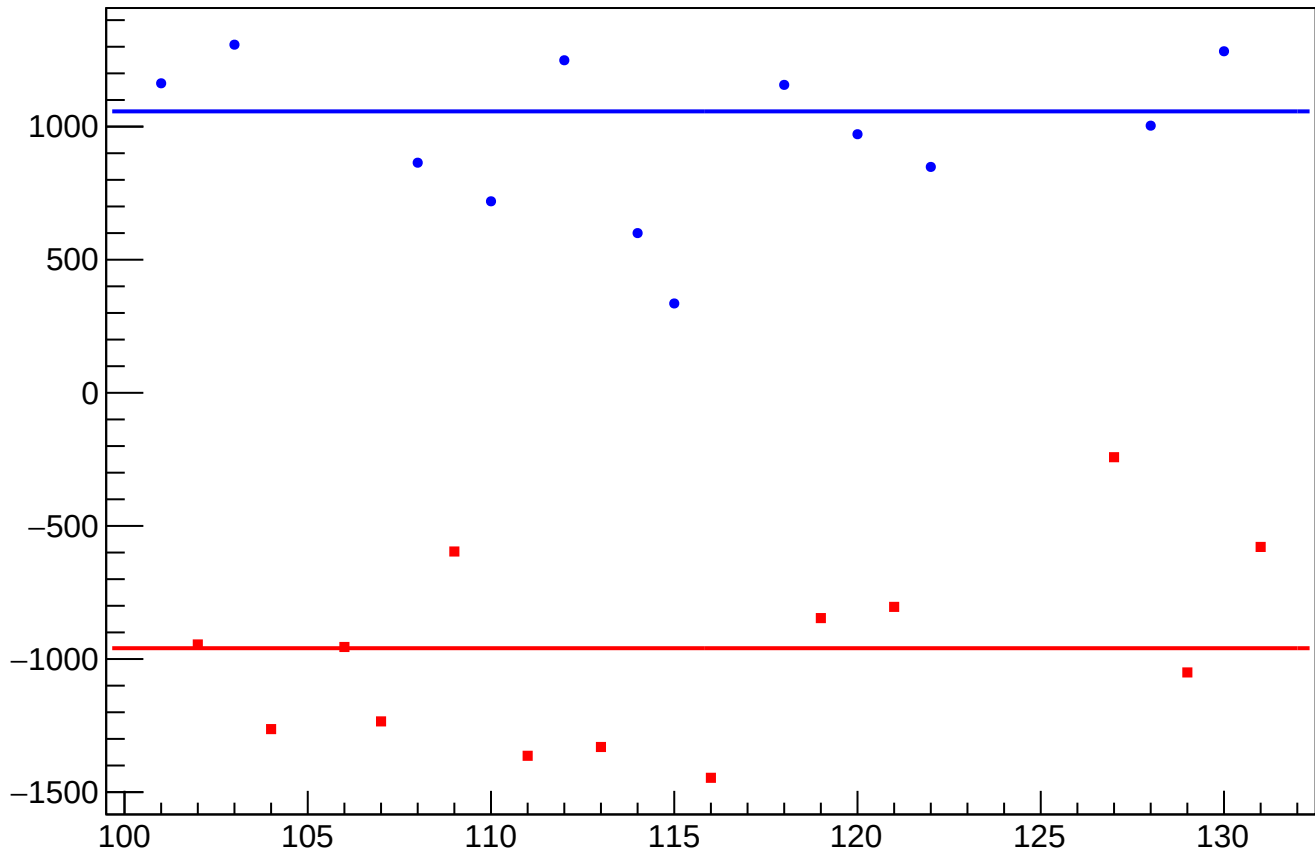
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

884.388+/-0.000  $\chi^2/\text{NDF}$ : 94653768882592693857824688092351561728.0/11

5.261+/-0.000  $\chi^2/\text{NDF}$ : 90084056555453

-783.901+/-0.000  $\chi^2/\text{NDF}$ : 72868354893767314865928248970132324352.0/12

dit\_usr\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

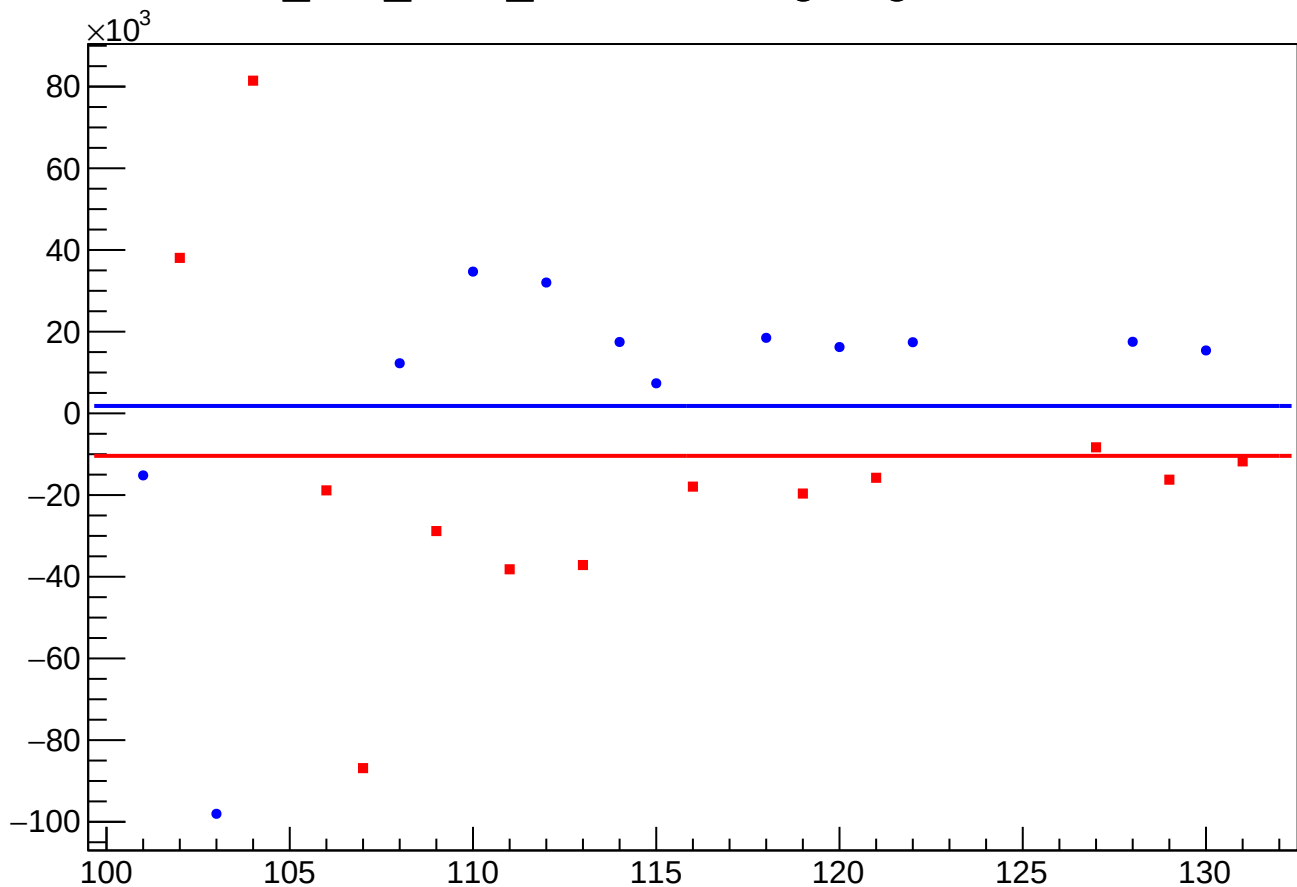
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

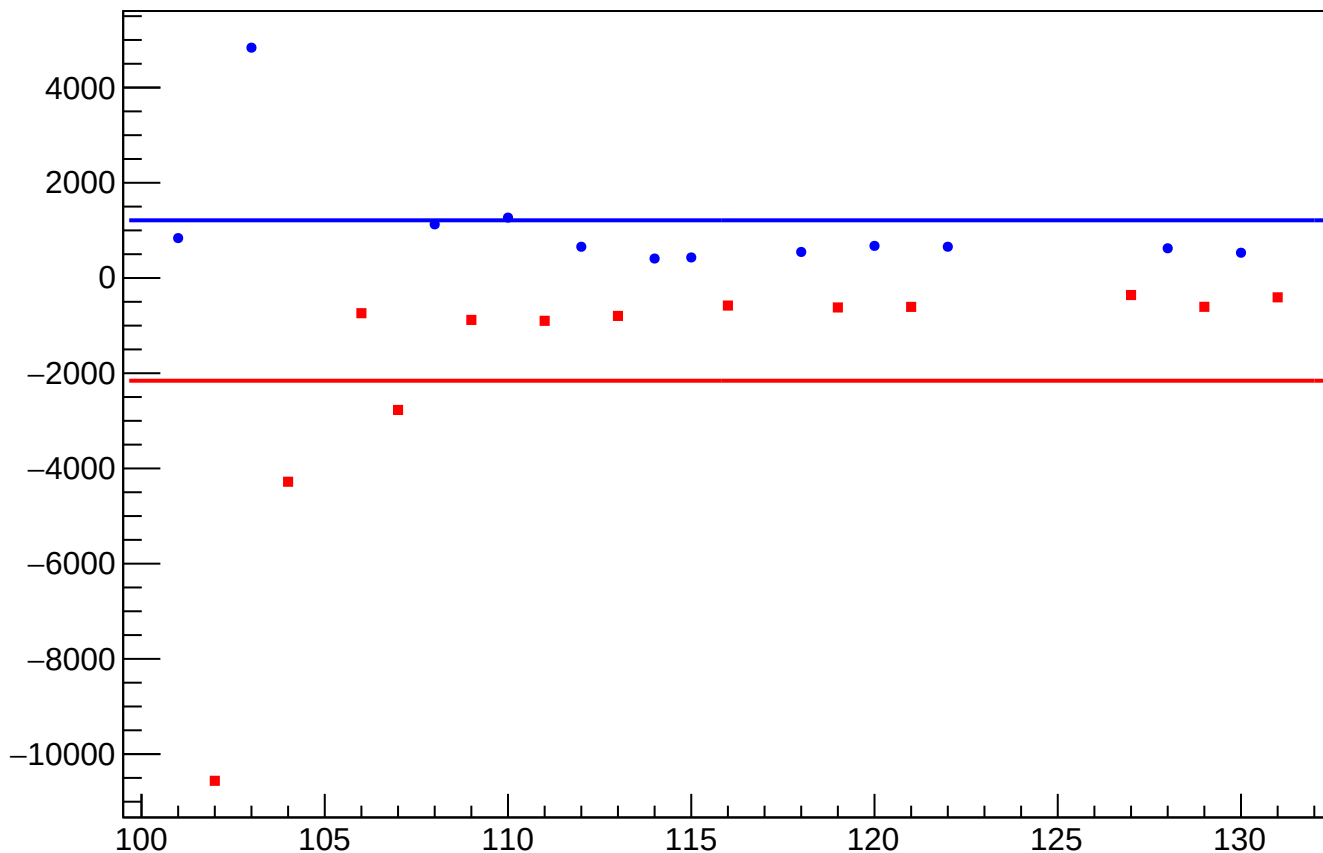
-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

dit\_atl1\_coil7\_mean vs Slug, Sign Corrected



Right In: 1814.443+/-0.000  $\chi^2/\text{NDF}$ : 751099293360960186763939883862975609569280.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -10403.324+/-0.000  $\chi^2/\text{NDF}$ : 871933325966393269500266586091629876084736.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 1211.895+/-0.000  $\chi^2/\text{NDF}$ : 903742863376476461207577299696385785856.0/11

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

Right Out: -2157.298+/-0.000  $\chi^2/\text{NDF}$ : 5278204668906693674366629917124986929152.0/12

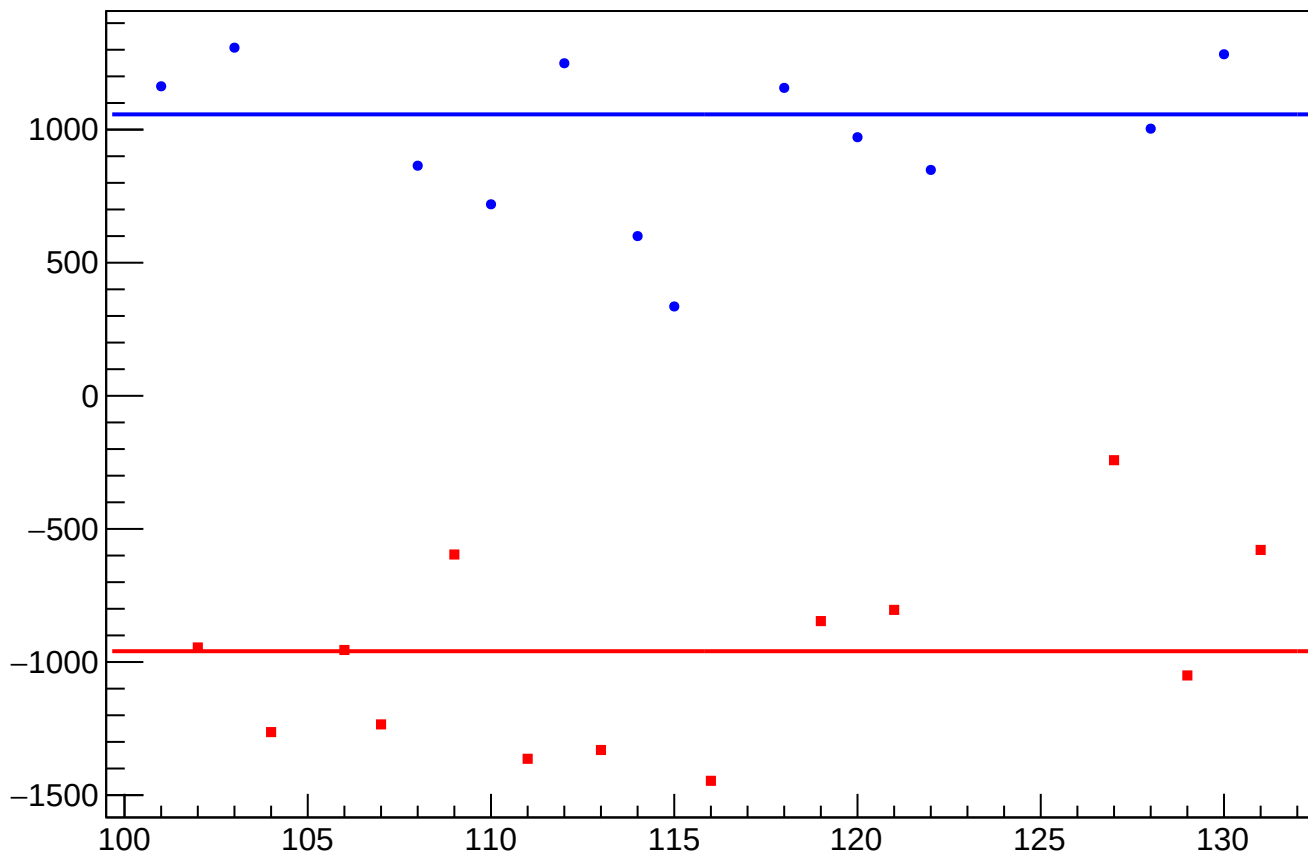
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1211.895+/-0.000  $\chi^2/\text{NDF}$ : 9037428633764764

-563.545+/-0.000  $\chi^2/\text{NDF}$ : 91728488830

-2157.298+/-0.000  $\chi^2/\text{NDF}$ : 527820466890669

dit\_atl1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

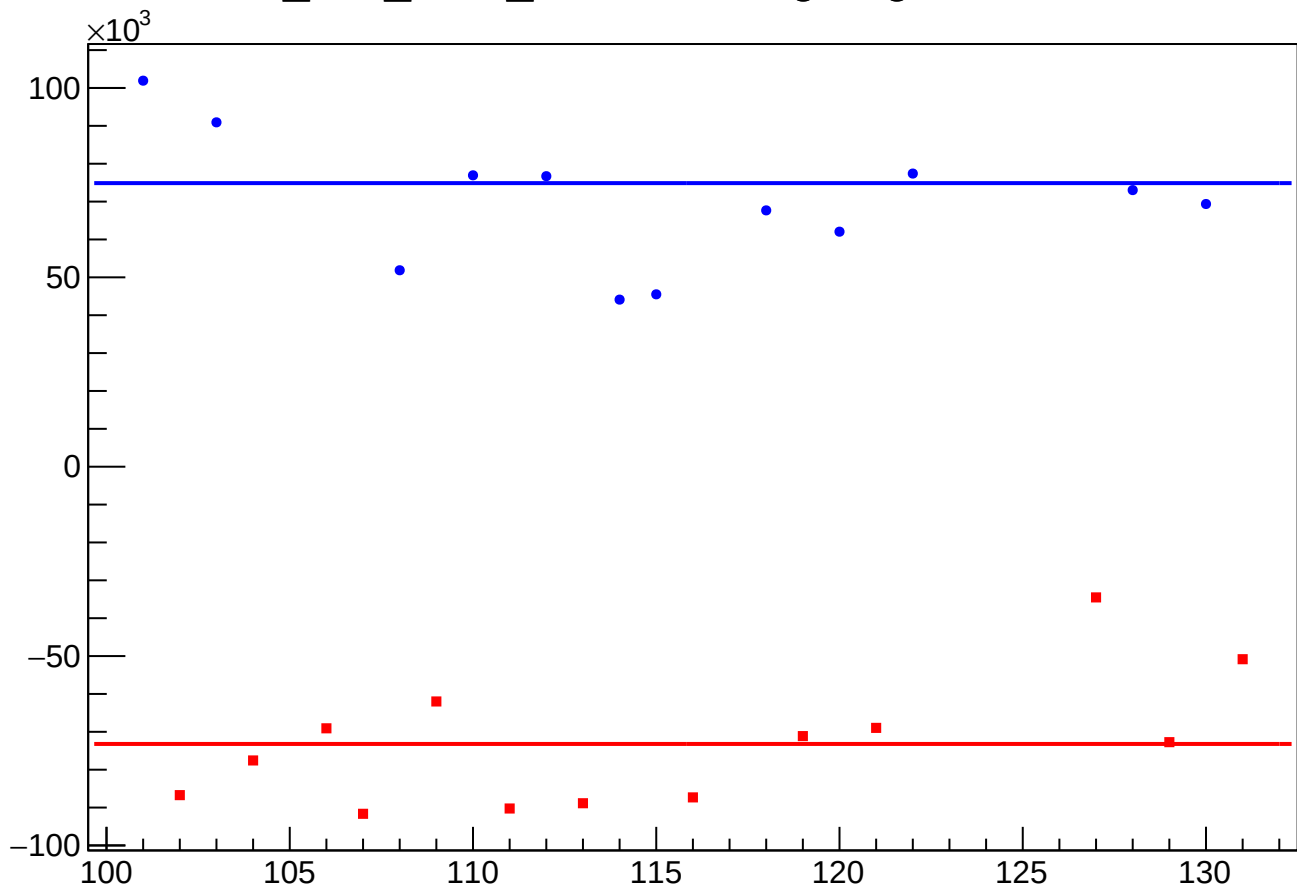
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

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



# dit\_atl2\_coil7\_mean vs Slug, Sign Corrected



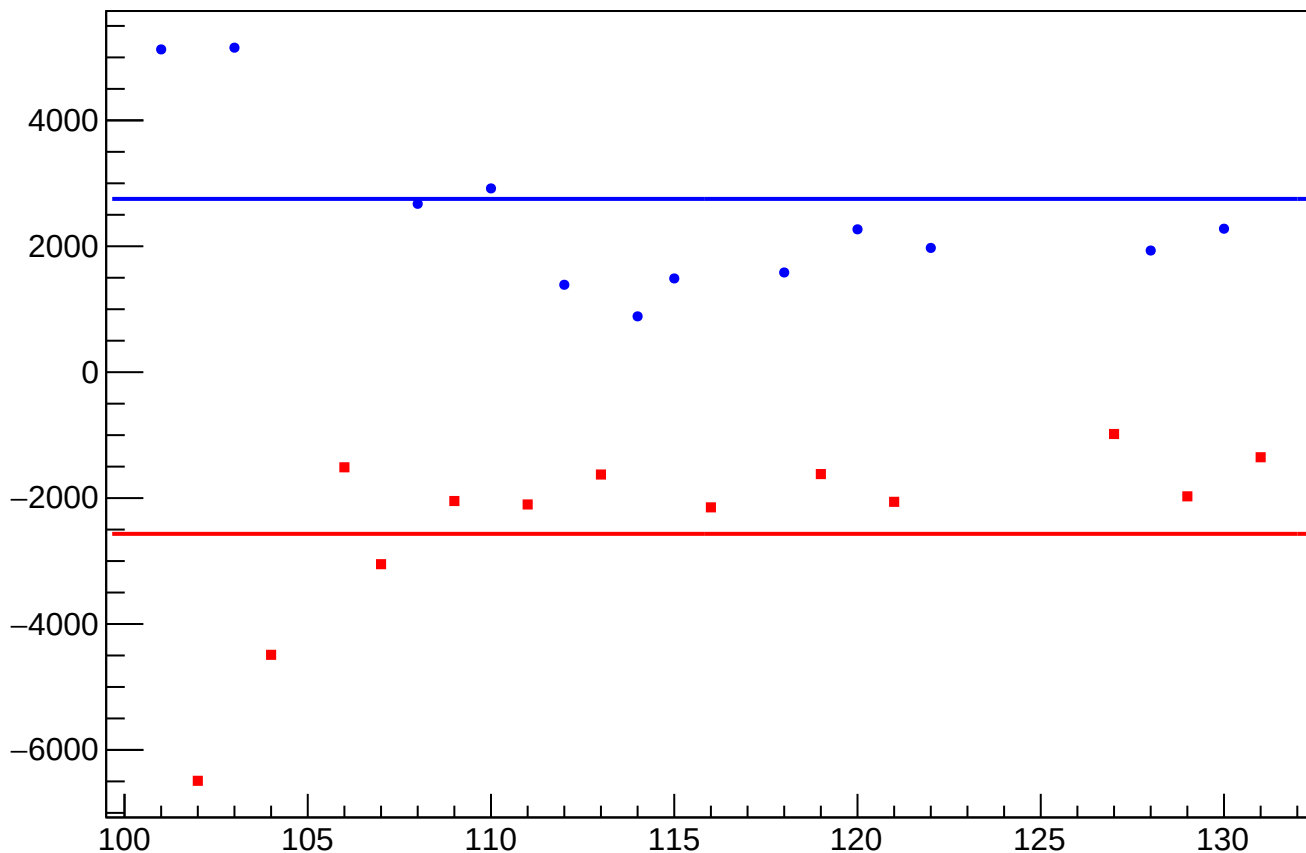
Right In: 74877.722+/-0.000  $\chi^2/\text{NDF}$ : 111000970390212288288776787015903570034688.0/11

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

Right Out: -73203.222+/-0.000  $\chi^2/\text{NDF}$ : 144327830703061047285585845135111788429312.0/12

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

dit\_atl2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 2752.390+/-0.000  $\chi^2/\text{NDF}$ : 980535845796650866220989274770800377856.0/11

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

Right Out: -2567.881+/-0.000  $\chi^2/\text{NDF}$ : 1428911684747331267705771673749102264320.0/12

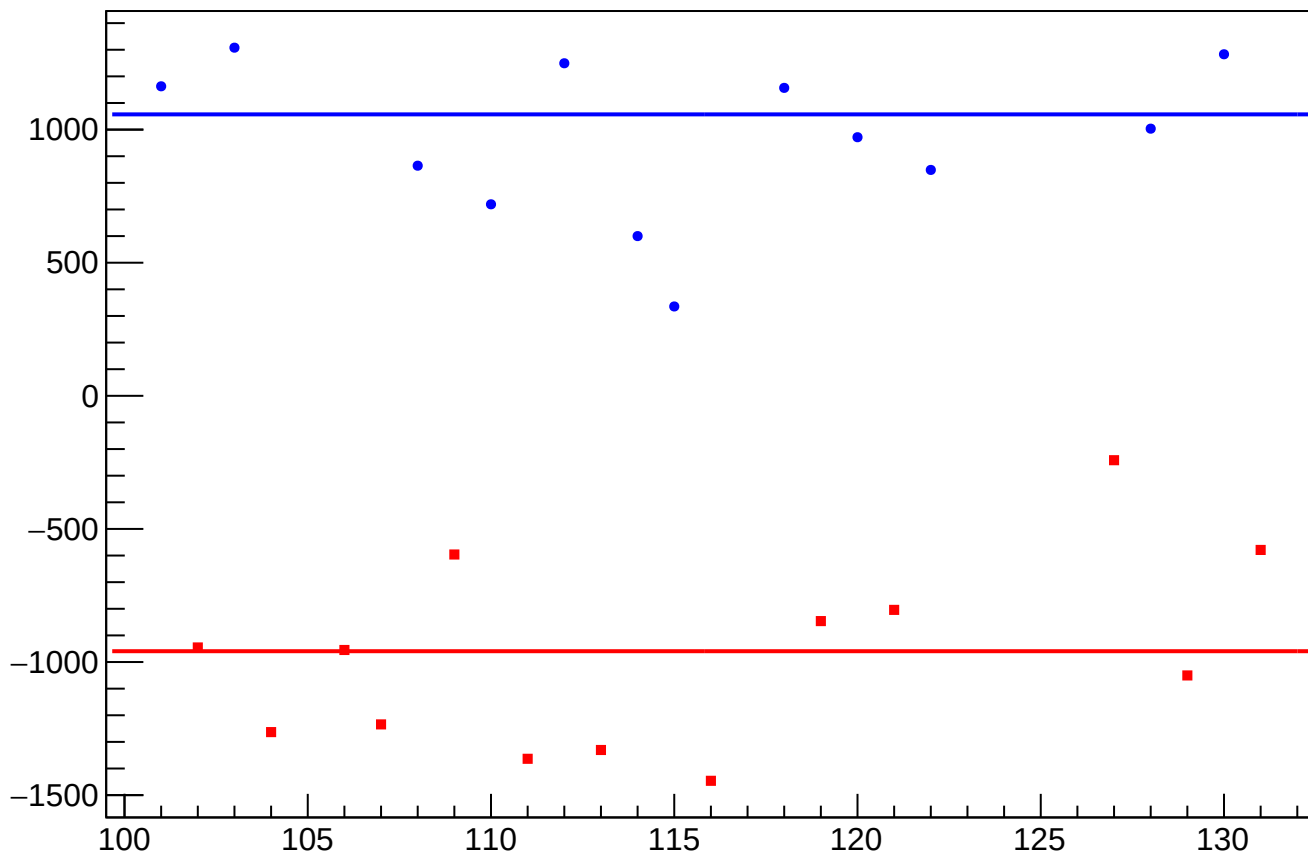
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2752.390+/-0.000  $\chi^2/\text{NDF}$ : 9805358457966508

-51.196+/-0.000  $\chi^2/\text{NDF}$ : 986736697528

-2567.881+/-0.000  $\chi^2/\text{NDF}$ : 142891168474733

dit\_atl2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

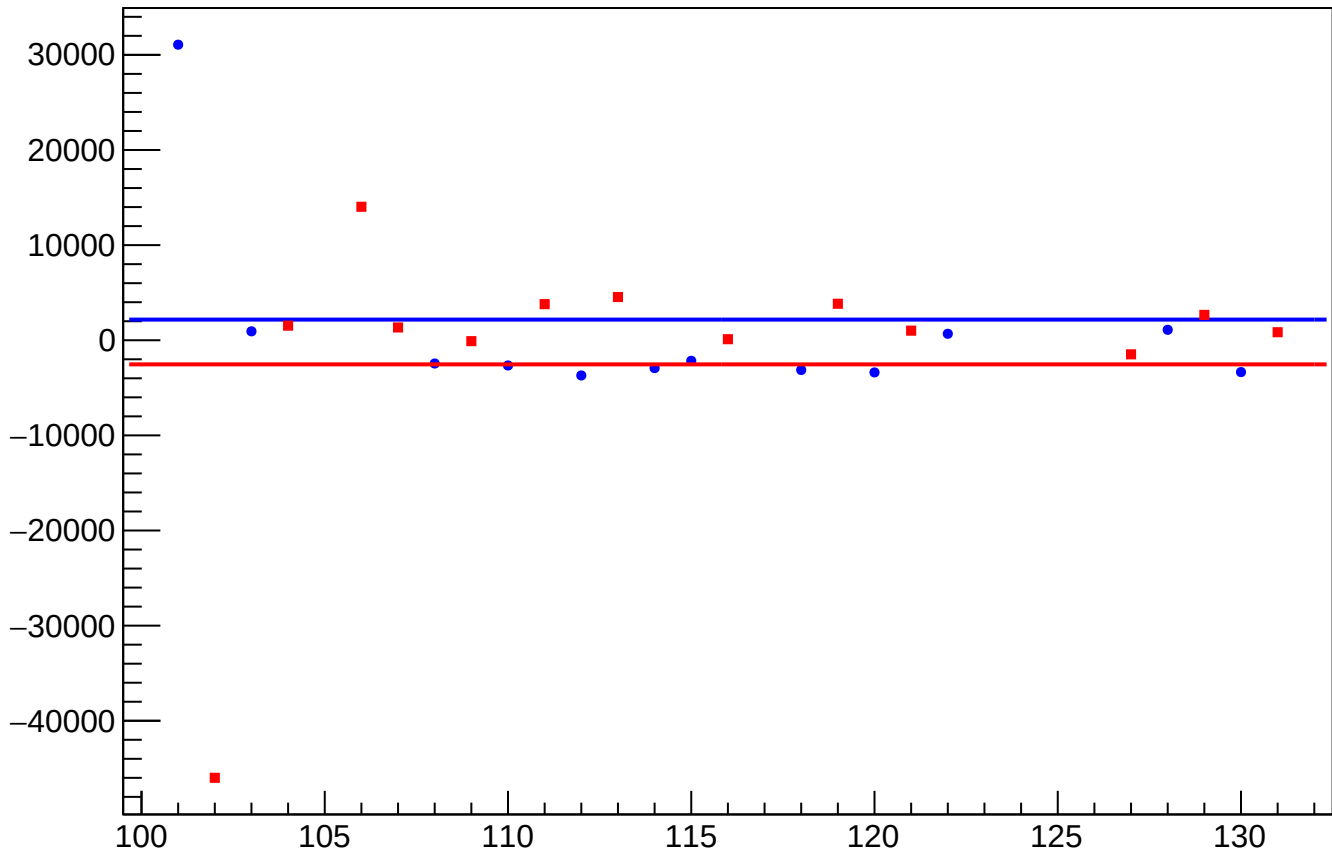
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

# dit\_atr1\_coil7\_mean vs Slug, Sign Corrected



Right In: 2171.624+/-0.000  $\chi^2/\text{NDF}$ : 57559856965815506972090628487528556003328.0/11

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

Right Out: -2535.782+/-0.000  $\chi^2/\text{NDF}$ : 128220600188929819364407003219994318209024.0/12

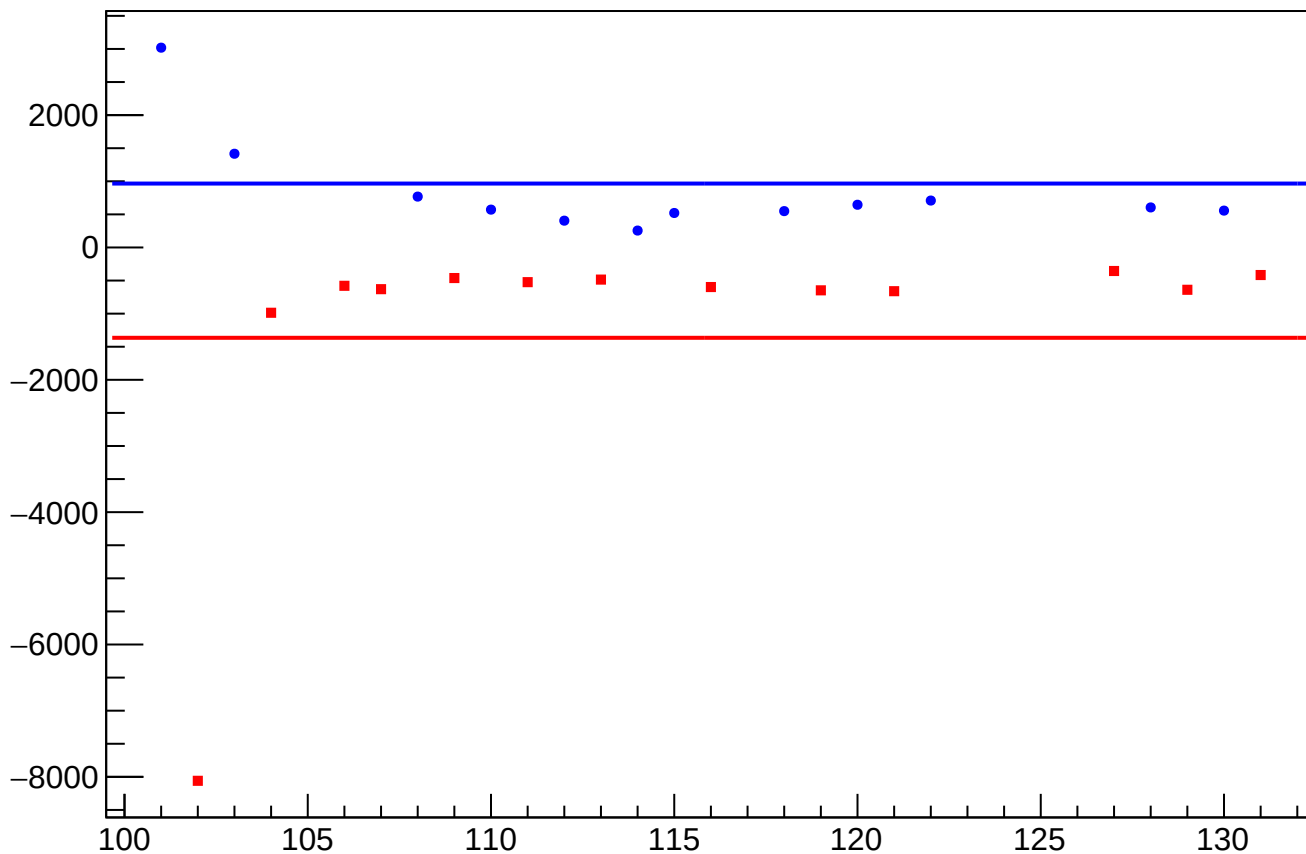
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2171.624+/-0.000  $\chi^2/\text{NDF}$ : 5755985696581550

-309.006+/-0.000  $\chi^2/\text{NDF}$ : 191619121472

-2535.782+/-0.000  $\chi^2/\text{NDF}$ : 128220600188929

dit\_atr1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 965.855+/-0.000  $\chi^2/\text{NDF}$ : 323028828045121691705910359563943542784.0/11

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

Right Out: -1365.076+/-0.000  $\chi^2/\text{NDF}$ : 2915098544942397452697403481270089940992.0/12

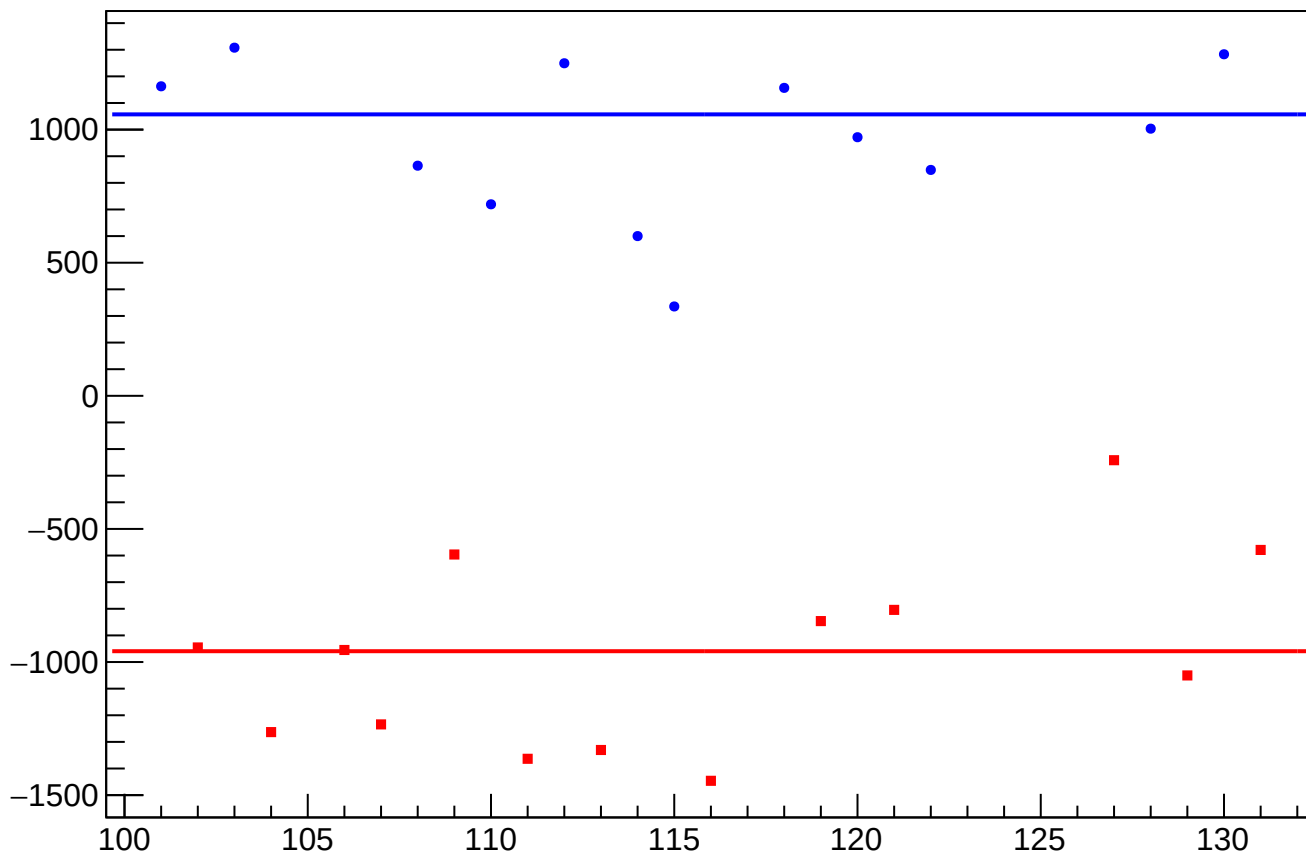
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

965.855+/-0.000  $\chi^2/\text{NDF}$ : 323028828045121691705910359563943542784.0/11

-262.460+/-0.000  $\chi^2/\text{NDF}$ : 466968549975.0/11

-1365.076+/-0.000  $\chi^2/\text{NDF}$ : 2915098544942397452697403481270089940992.0/12

dit\_atr1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

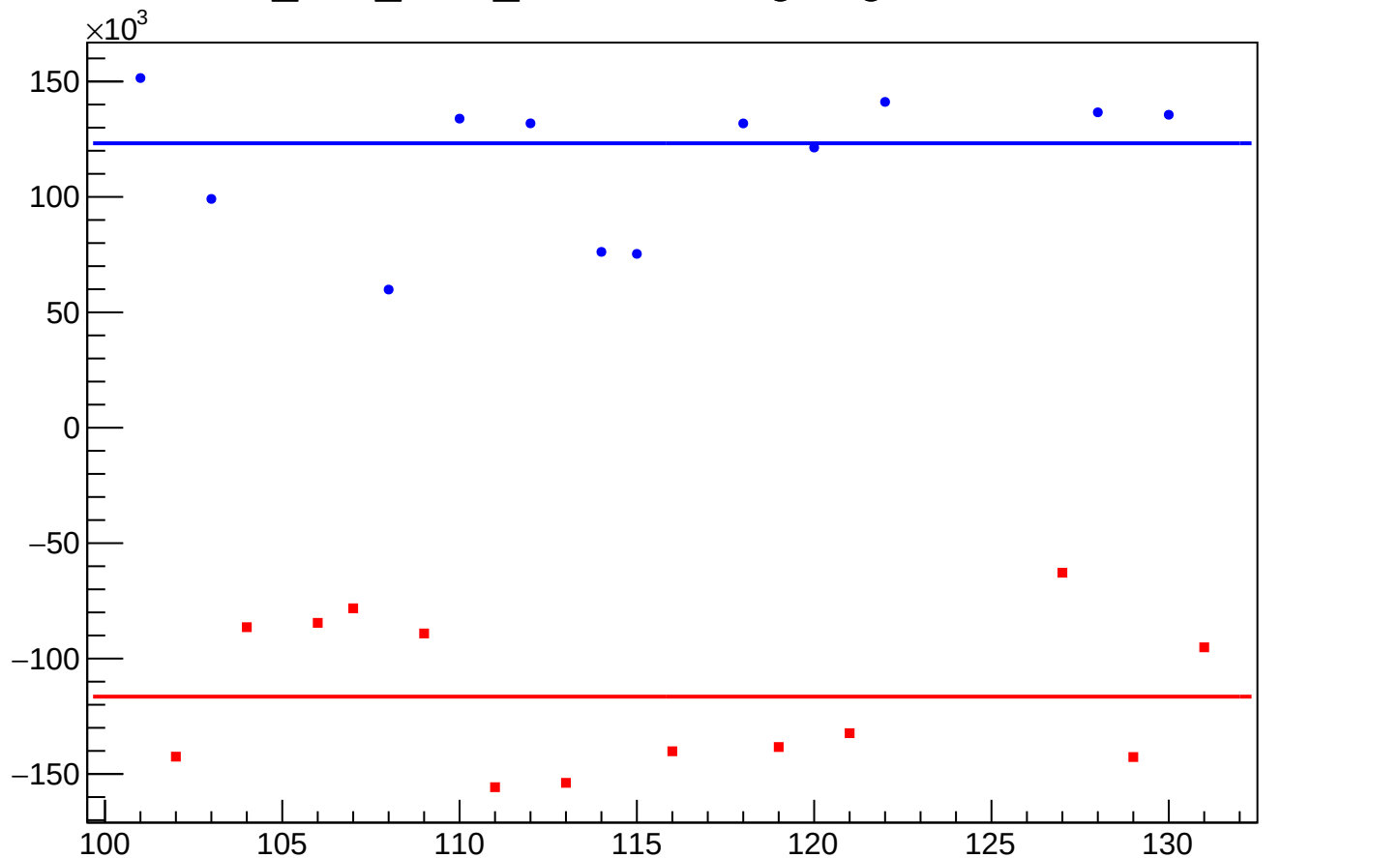
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

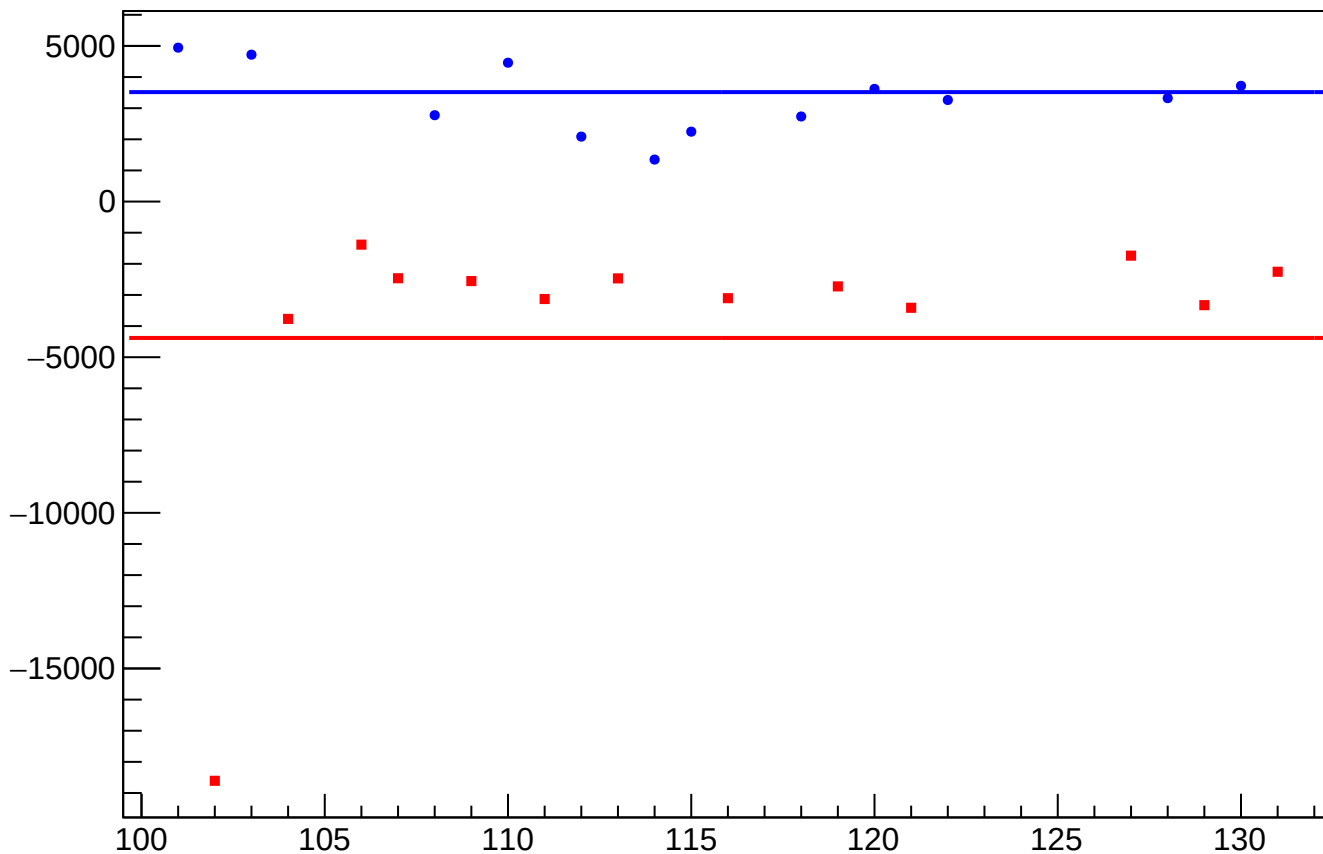
-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

# dit\_atr2\_coil7\_mean vs Slug, Sign Corrected



Right In: 123231.911+/-0.000  $\chi^2/\text{NDF}$ : 330805040943183665155162006439768583307264.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -116490.026+/-0.000  $\chi^2/\text{NDF}$ : 558884996372263920924359385240041338961920.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 3516.490+/-0.000  $\chi^2/\text{NDF}$ : 474564875927858413211911586856011038720.0/11

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

Right Out: -4381.088+/-0.000  $\chi^2/\text{NDF}$ : 13317929740656767571123638547511666278400.0/12

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

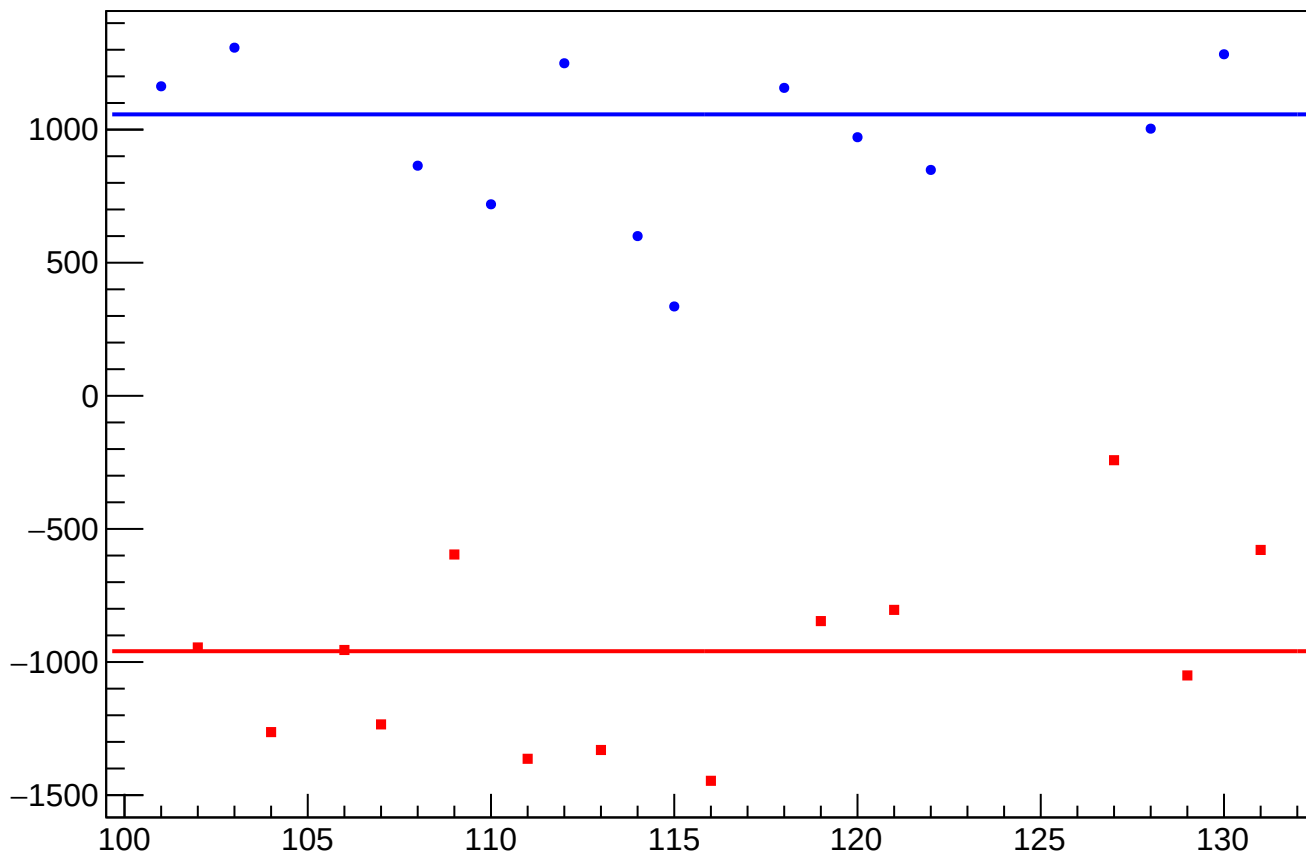
3516.490+/-0.000  $\chi^2/\text{NDF}$ : 4745648759278584

-645.242+/-0.000  $\chi^2/\text{NDF}$ : 30226294249

-4381.088+/-0.000  $\chi^2/\text{NDF}$ : 133179297406567



dit\_atr2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

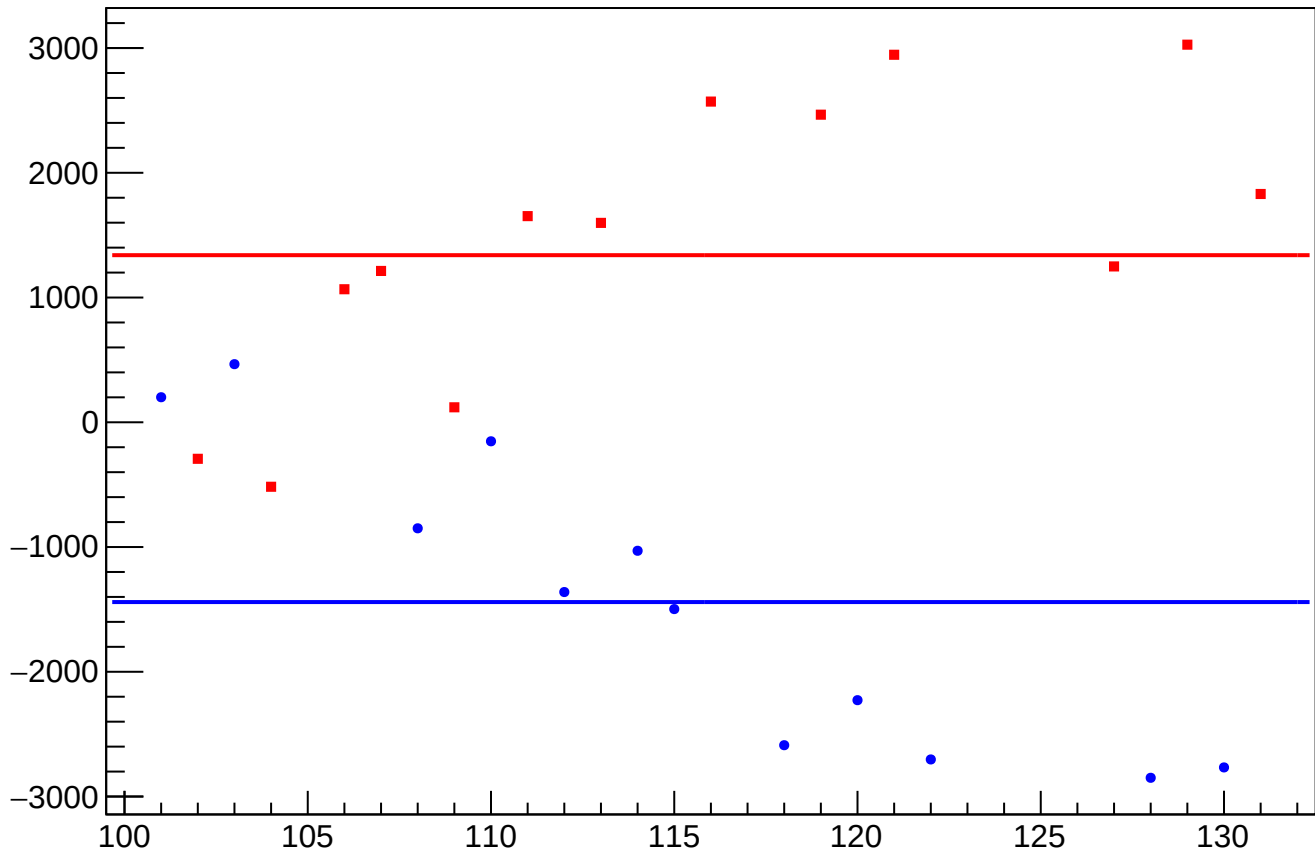
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

# dit\_sam1\_coil7\_mean vs Slug, Sign Corrected



Right In: -1441.172+/-0.000  $\chi^2/\text{NDF}$ : 803124242033041863408186822704509222912.0/11

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

Right Out: 1339.551+/-0.000  $\chi^2/\text{NDF}$ : 751546602830851957491174713736946515968.0/12

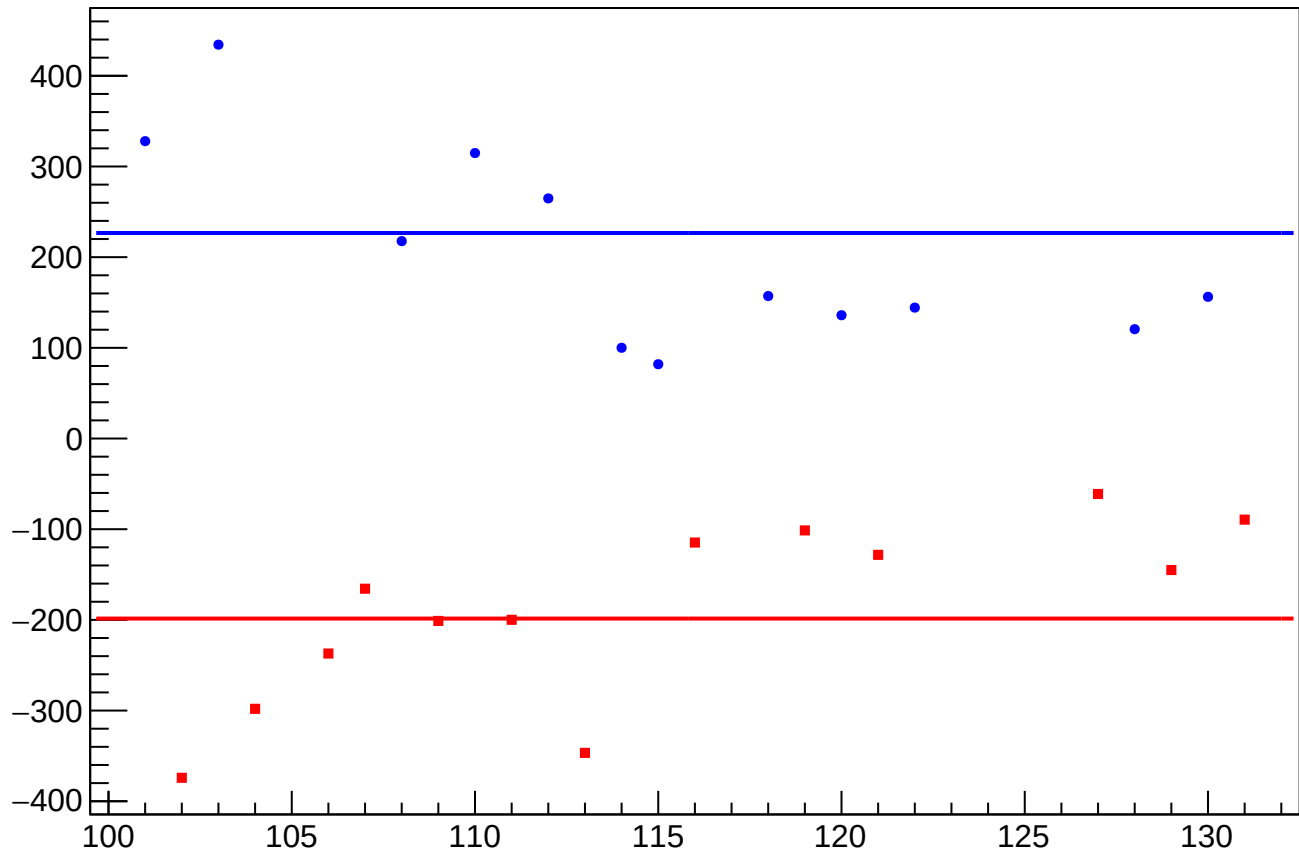
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1441.172+/-0.000  $\chi^2/\text{NDF}$ : 803124242033041

24.166+/-0.000  $\chi^2/\text{NDF}$ : 3592020960615

1339.551+/-0.000  $\chi^2/\text{NDF}$ : 7515466028308519

dit\_sam1\_coil7\_err\_mean vs Slug, Sign Corrected



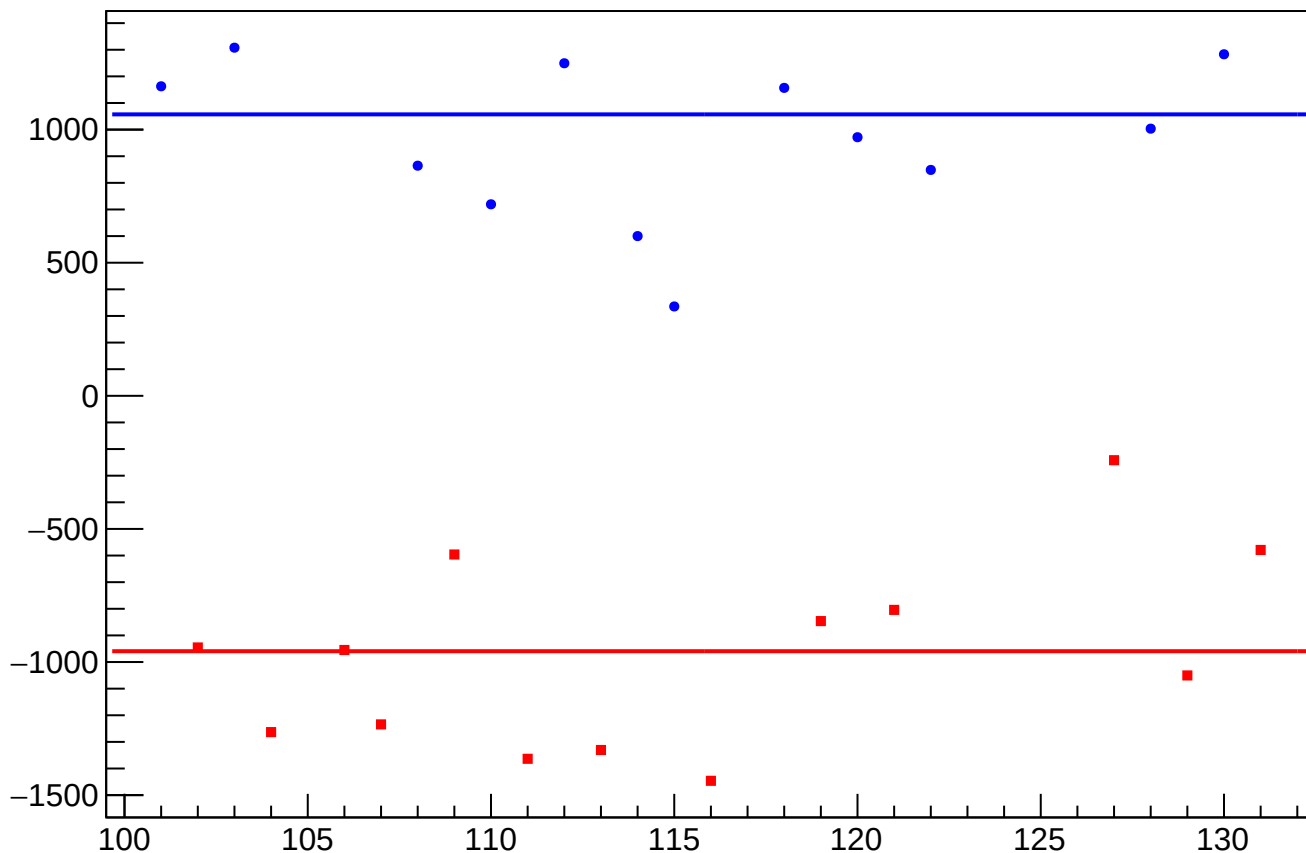
Right In: 226.664+/-0.000  $\chi^2/\text{NDF}$ : 5628444981396641626507399487083773952.0/11

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

Right Out: -198.543+/-0.000  $\chi^2/\text{NDF}$ : 5639352983986016808442280883641122816.0/12

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

dit\_sam1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

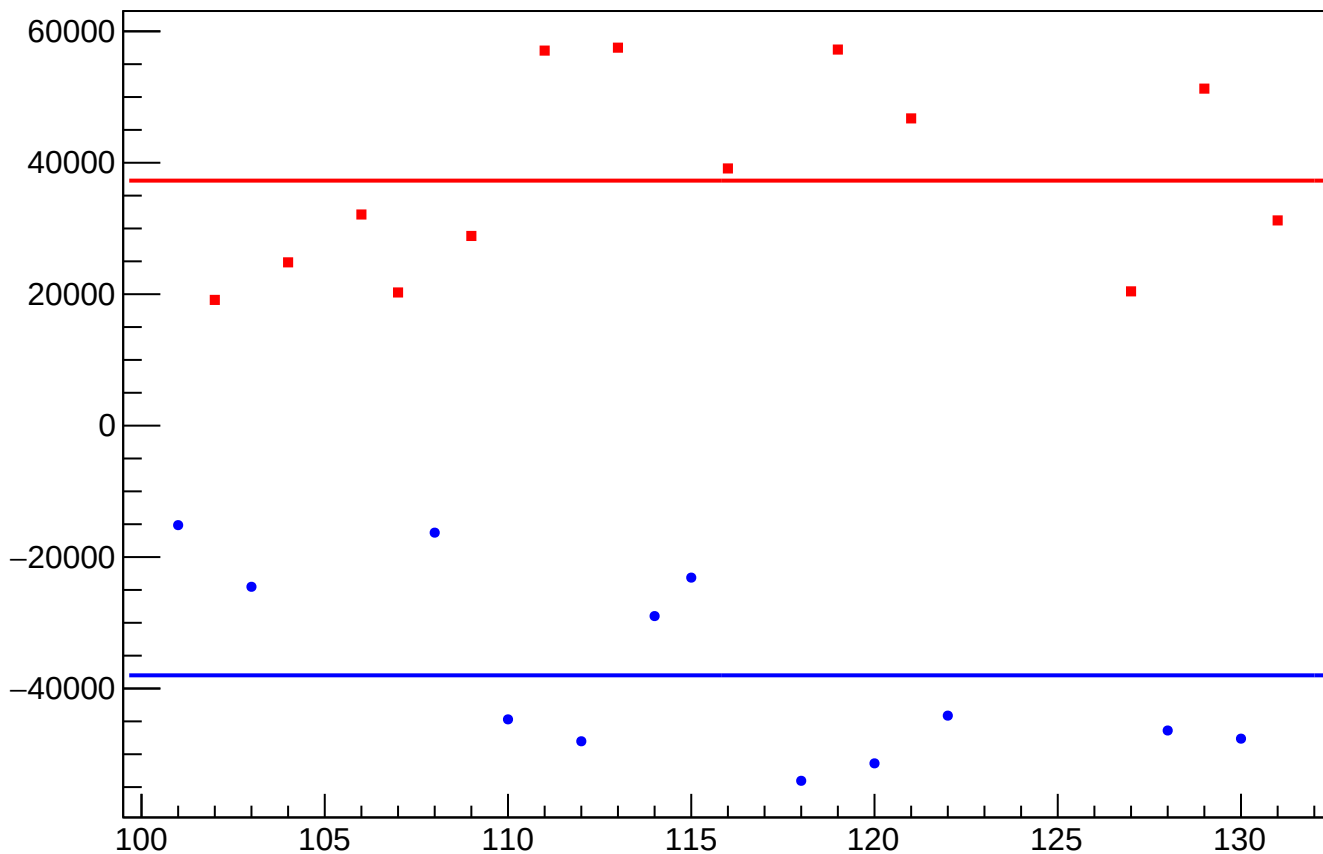
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

dit\_sam2\_coil7\_mean vs Slug, Sign Corrected



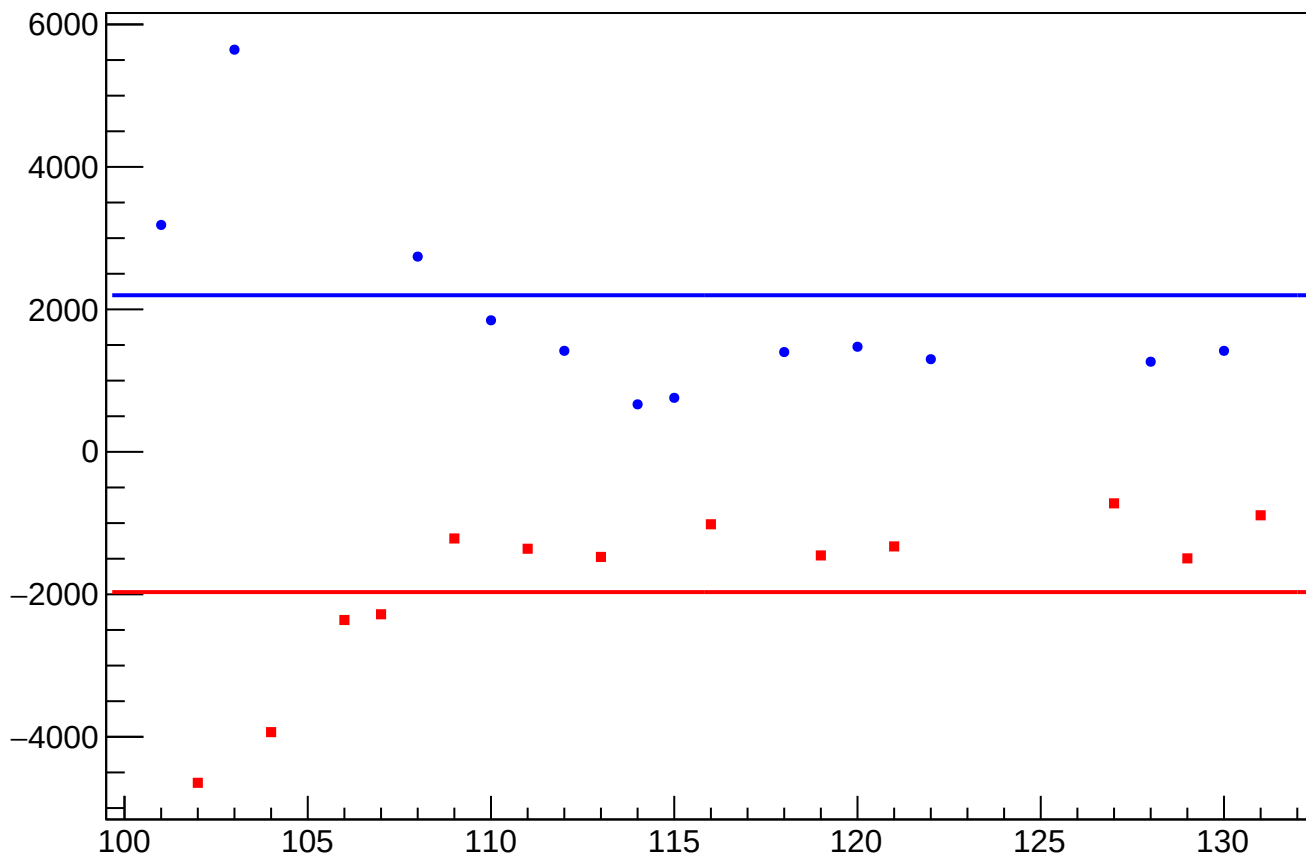
Right In: -37993.740+/-0.000  $\chi^2/\text{NDF}$ : 99605649856728188227503992501554292719616.0/11

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

Right Out: 37281.382+/-0.000  $\chi^2/\text{NDF}$ : 124005760210521770256522523226742103998464.0/12

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

dit\_sam2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 2198.400+/-0.000  $\chi^2/\text{NDF}$ : 1021168013421731804183442583300167696384.0/11

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

Right Out: -1968.579+/-0.000  $\chi^2/\text{NDF}$ : 851070822128200500046951095226775633920.0/12

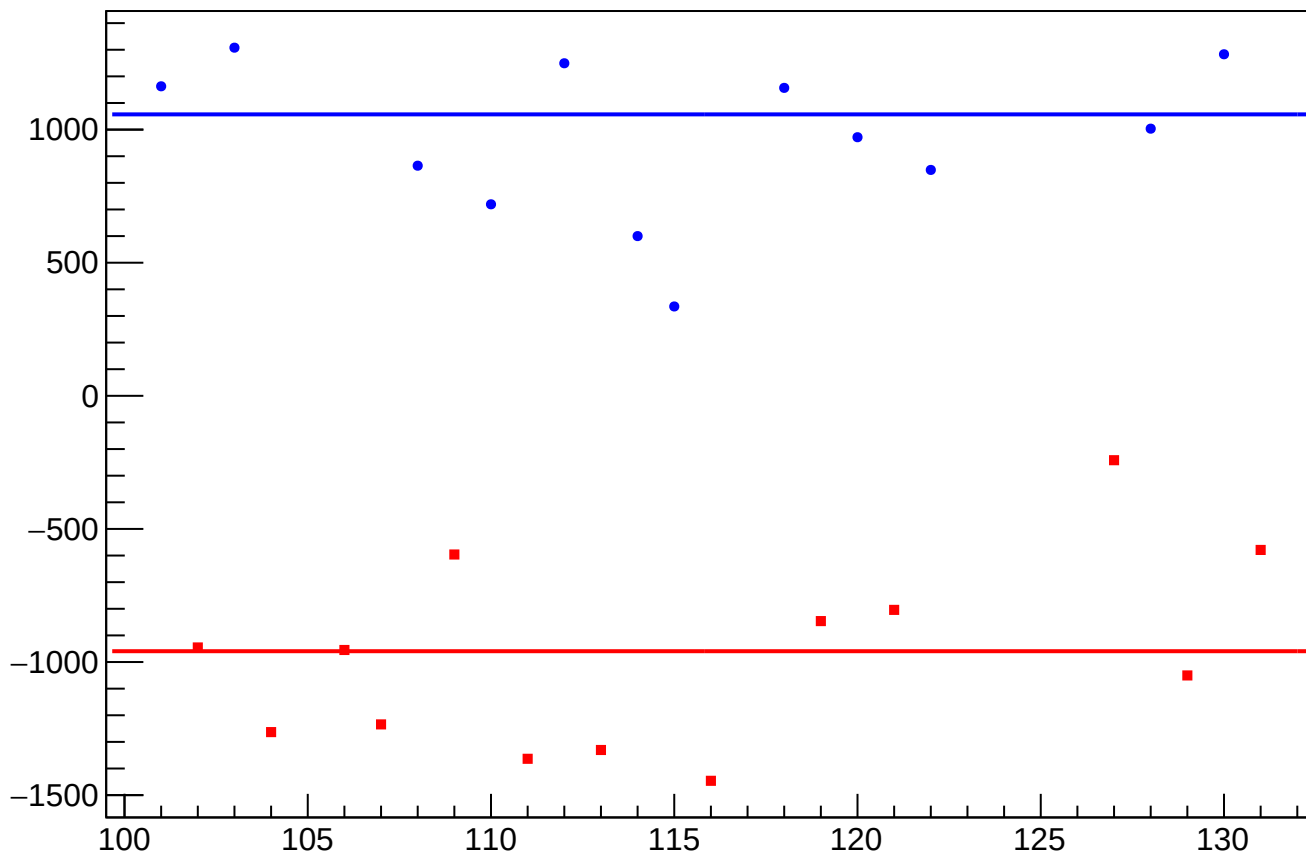
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2198.400+/-0.000  $\chi^2/\text{NDF}$ : 1021168013421731

2.556+/-0.000  $\chi^2/\text{NDF}$ : 64472567174332

-1968.579+/-0.000  $\chi^2/\text{NDF}$ : 851070822128200

dit\_sam2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

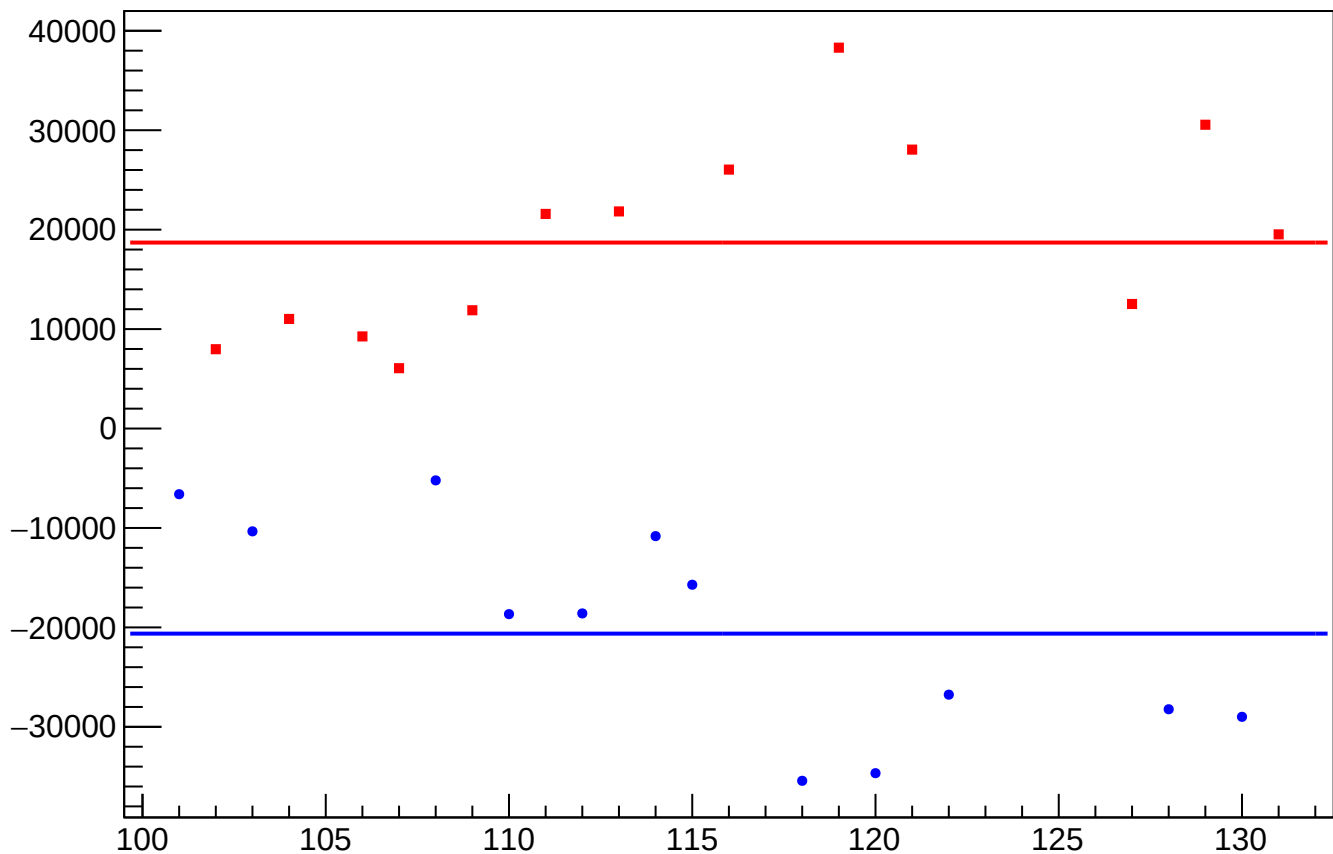
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

# dit\_sam3\_coil7\_mean vs Slug, Sign Corrected



Right In: -20625.141+/-0.000  $\chi^2/\text{NDF}$ : 55314370489323700809024339980224819101696.0/11

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

Right Out: 18702.367+/-0.000  $\chi^2/\text{NDF}$ : 53715604754417217890925446257239560028160.0/12

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

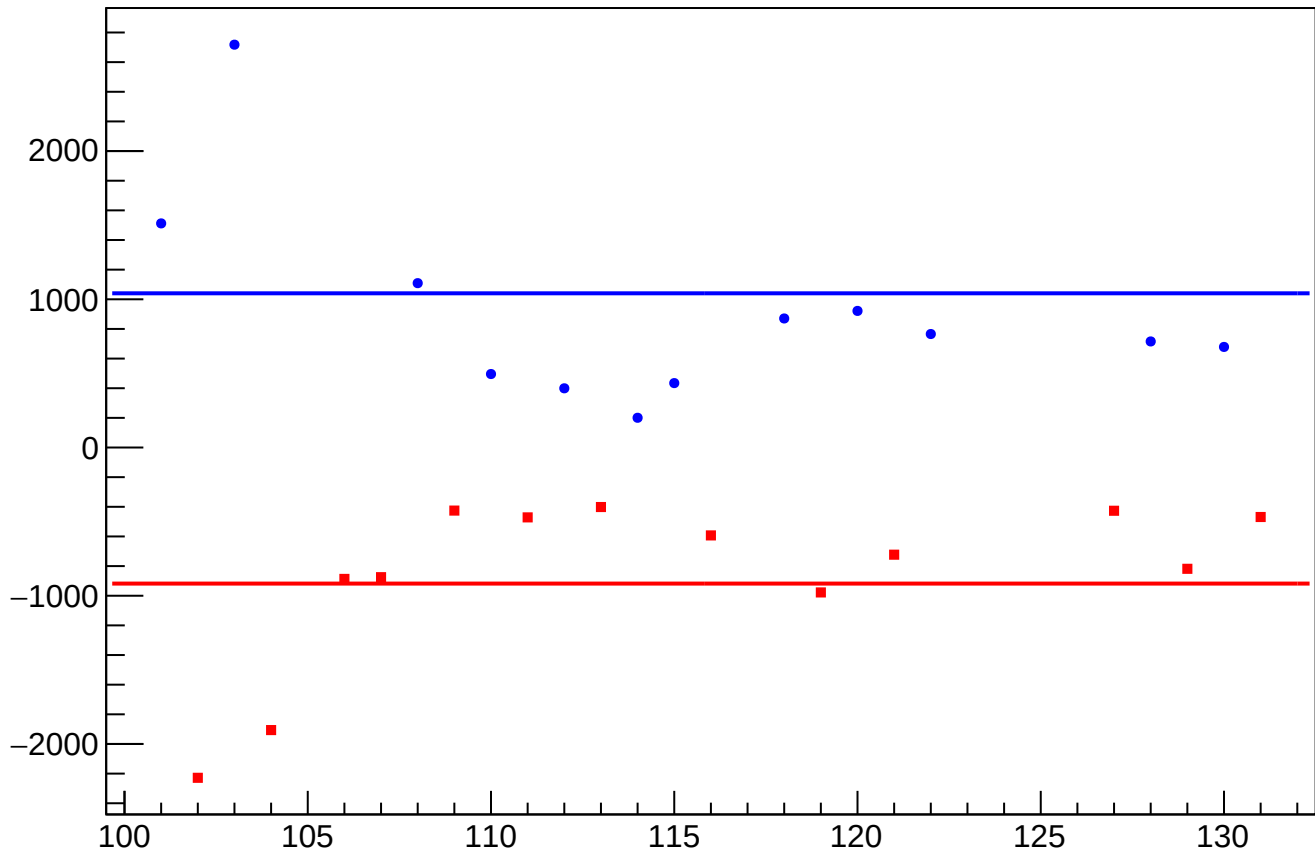
-20625.141+/-0.000  $\chi^2/\text{NDF}$ : 55314370489323

99.005+/-0.000  $\chi^2/\text{NDF}$ : 5165444893896

18702.367+/-0.000  $\chi^2/\text{NDF}$ : 537156047544172



dit\_sam3\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 1040.369+/-0.000  $\chi^2/\text{NDF}$ : 240818030991777028320275368697831358464.0/11

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

Right Out: -918.015+/-0.000  $\chi^2/\text{NDF}$ : 205791375231775317827422304188736995328.0/12

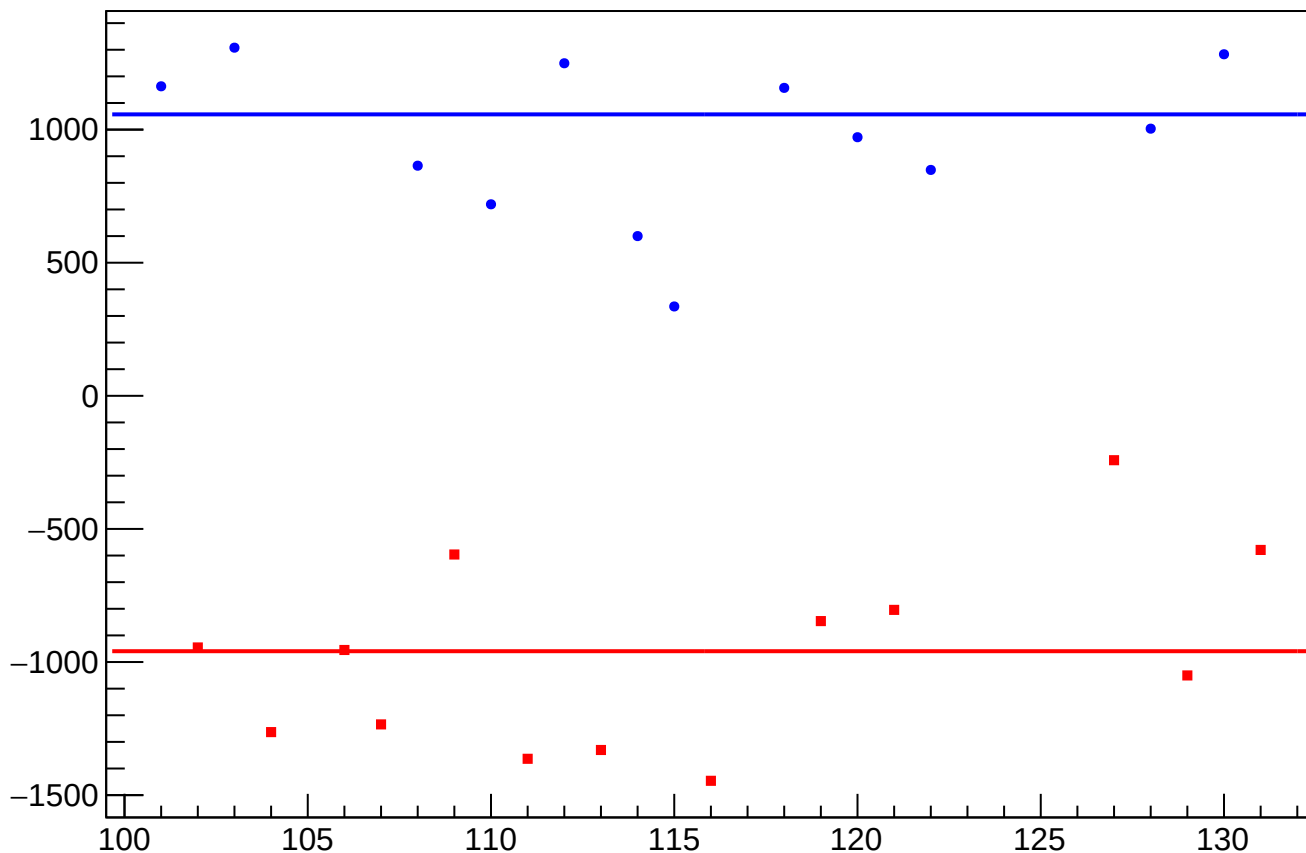
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1040.369+/-0.000  $\chi^2/\text{NDF}$ : 2408180309917770

8.373+/-0.000  $\chi^2/\text{NDF}$ : 14571318311122

-918.015+/-0.000  $\chi^2/\text{NDF}$ : 2057913752317753

dit\_sam3\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

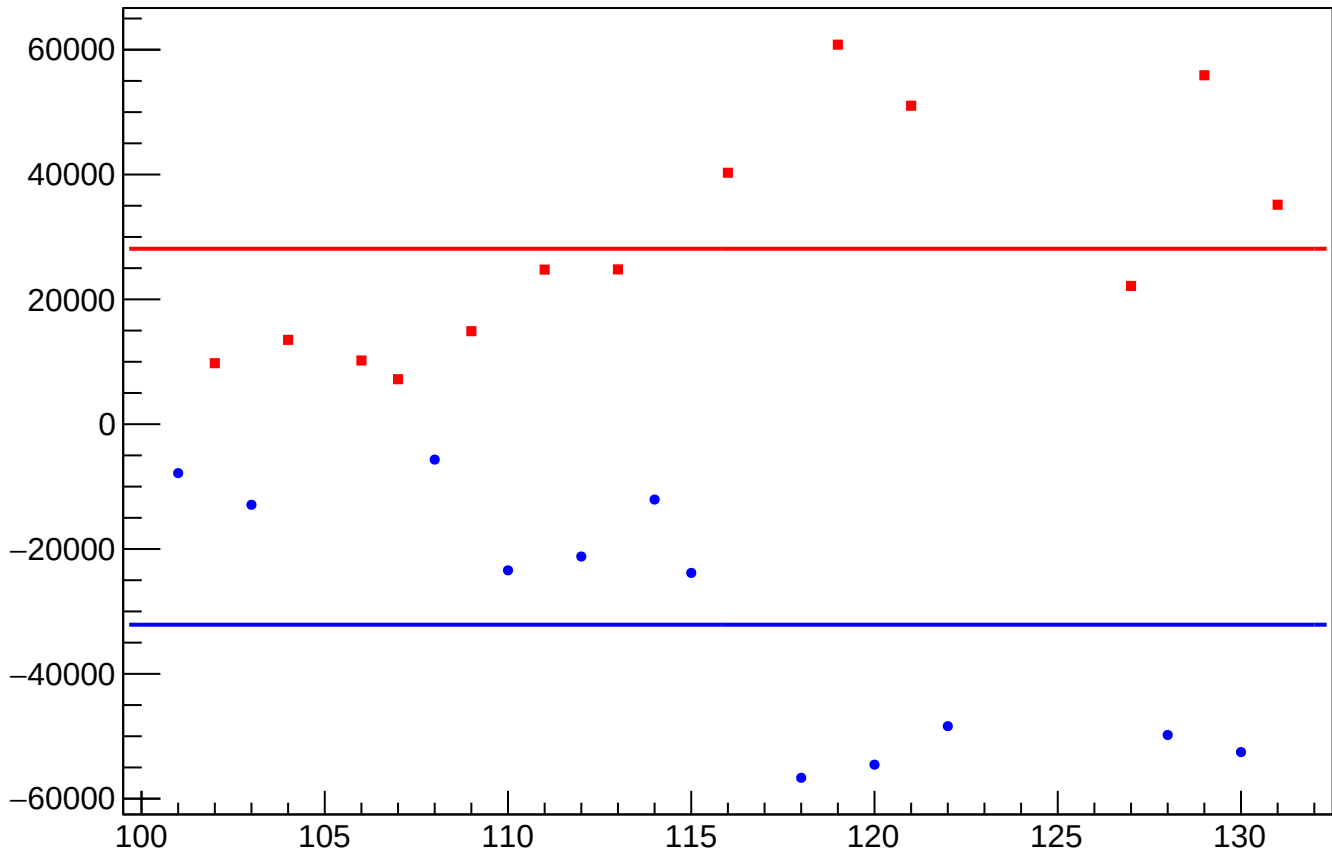
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

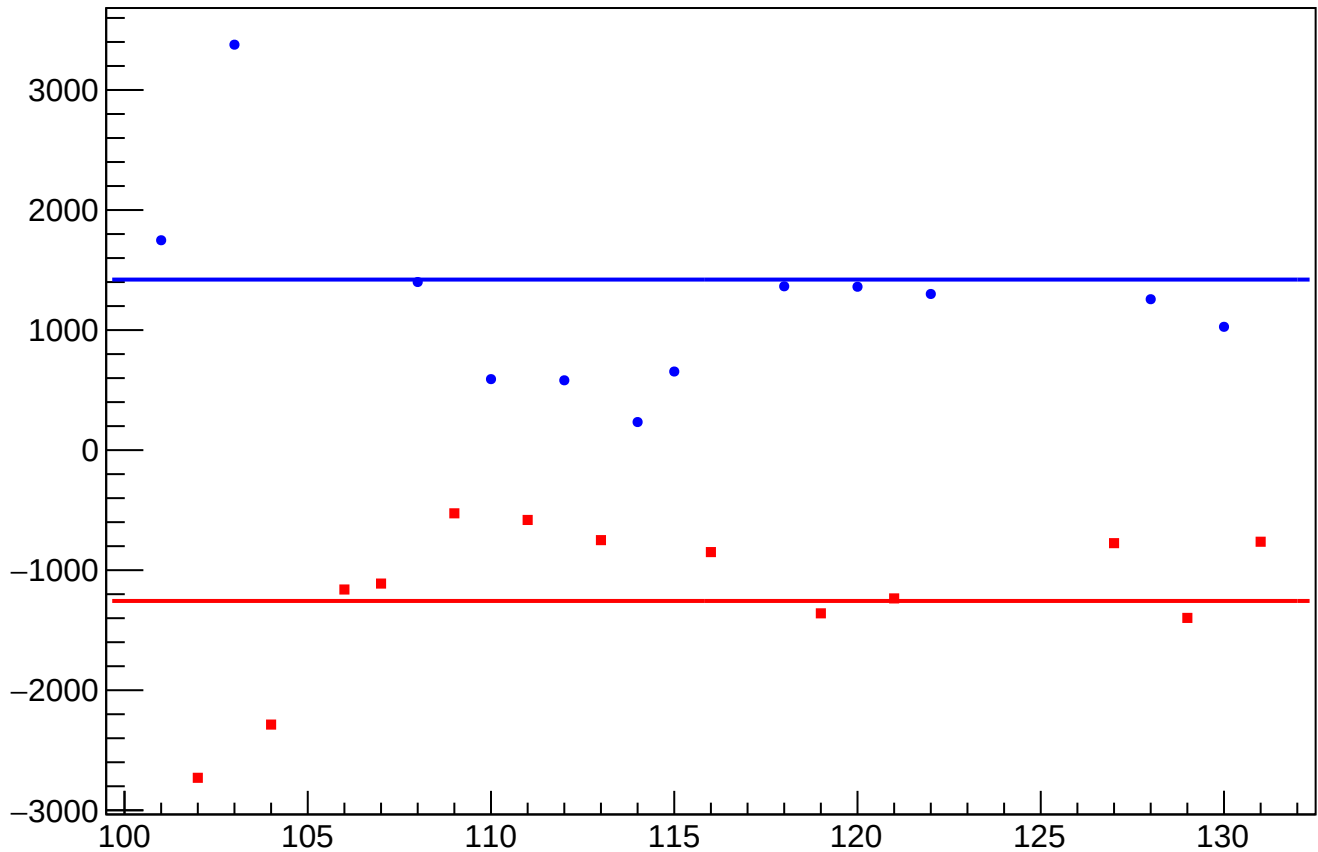
-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

dit\_sam4\_coil7\_mean vs Slug, Sign Corrected



Right In: -32124.597+/-0.000  $\chi^2/\text{NDF}$ : 196097810203860595291109377281164383879168.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 28112.303+/-0.000  $\chi^2/\text{NDF}$ : 181733335189180594810291682420878479458304.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 1420.729+/-0.000  $\chi^2/\text{NDF}$ : 325993622377393279007030412154383630336.0/11

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

Right Out: -1256.374+/-0.000  $\chi^2/\text{NDF}$ : 264936254119510480795875382657829306368.0/12

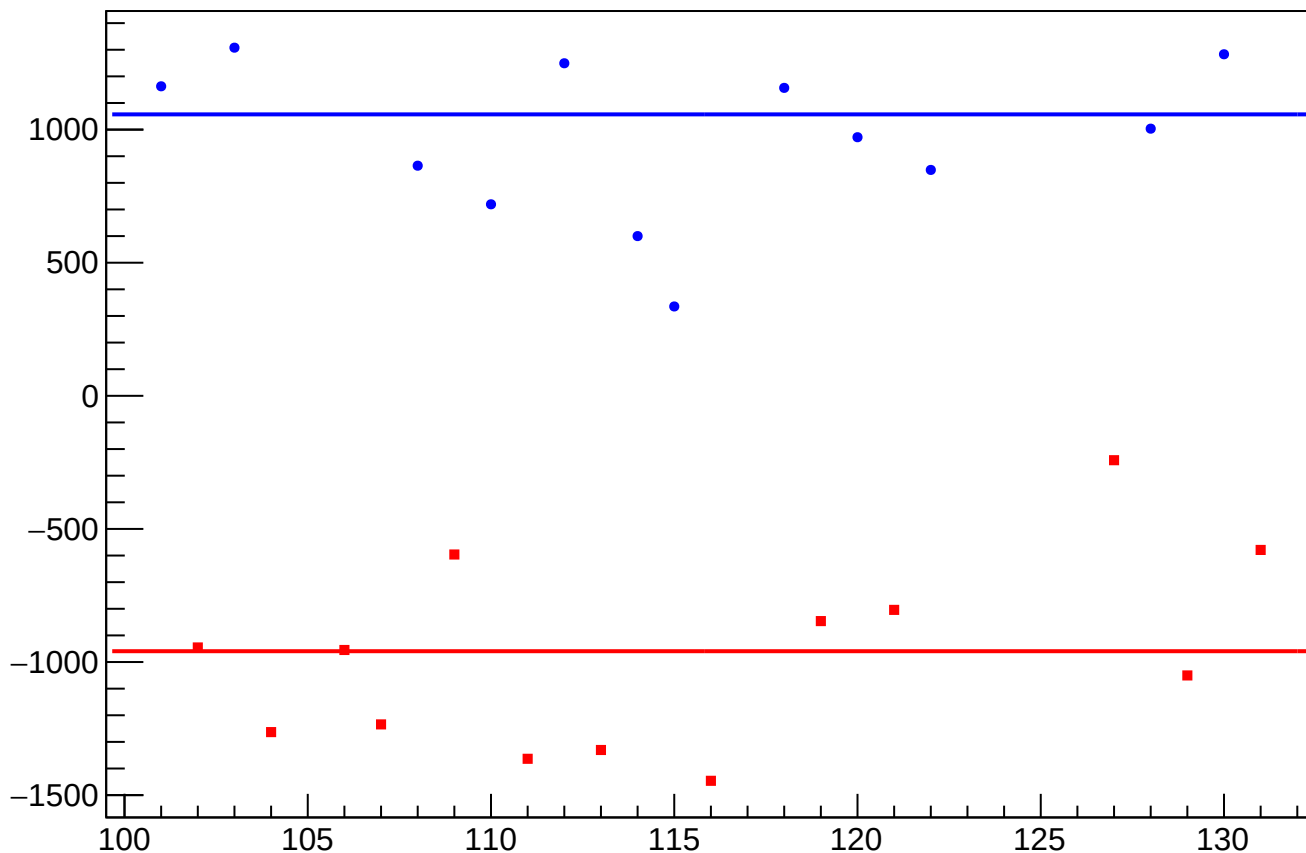
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1420.729+/-0.000  $\chi^2/\text{NDF}$ : 325993622377393279007030412154383630336.0/11

9.994+/-0.000  $\chi^2/\text{NDF}$ : 24792709857021

-1256.374+/-0.000  $\chi^2/\text{NDF}$ : 264936254119510480795875382657829306368.0/12

dit\_sam4\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

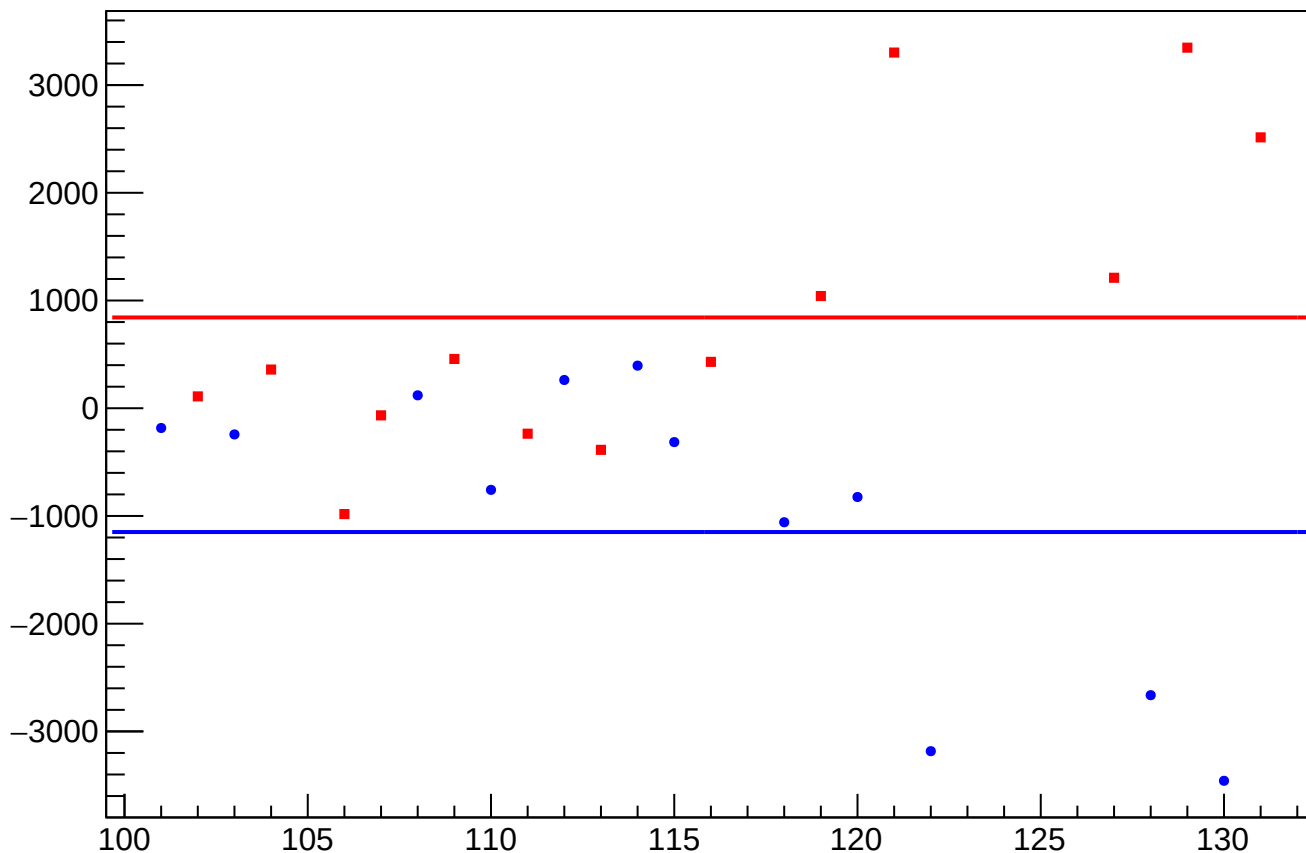
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729.0/11

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

# dit\_sam5\_coil7\_mean vs Slug, Sign Corrected



Right In: -1149.179+/-0.000  $\chi^2/\text{NDF}$ : 886943448496808429711334925846305570816.0/11

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

Right Out: 842.738+/-0.000  $\chi^2/\text{NDF}$ : 922143991626886350926638106262739353600.0/12

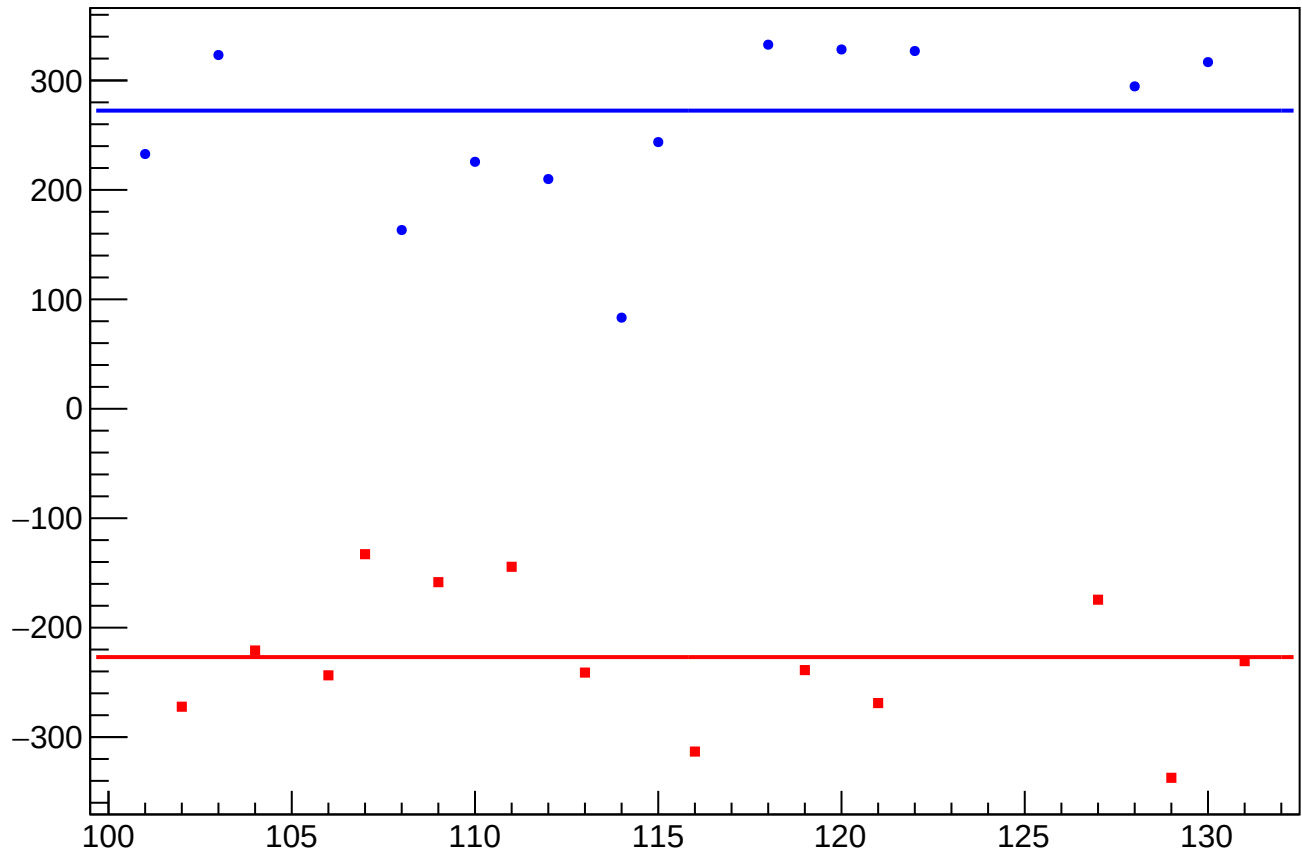
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1149.179+/-0.000  $\chi^2/\text{NDF}$ : 886943448496808

-99.513+/-0.000  $\chi^2/\text{NDF}$ : 285451197032

842.738+/-0.000  $\chi^2/\text{NDF}$ : 9221439916268863

dit\_sam5\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 272.449+/-0.000  $\chi^2/\text{NDF}$ : 1959259952419943506372985225257943040.0/11

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

Right Out: -226.902+/-0.000  $\chi^2/\text{NDF}$ : 1895435542524961073153808014734524416.0/12

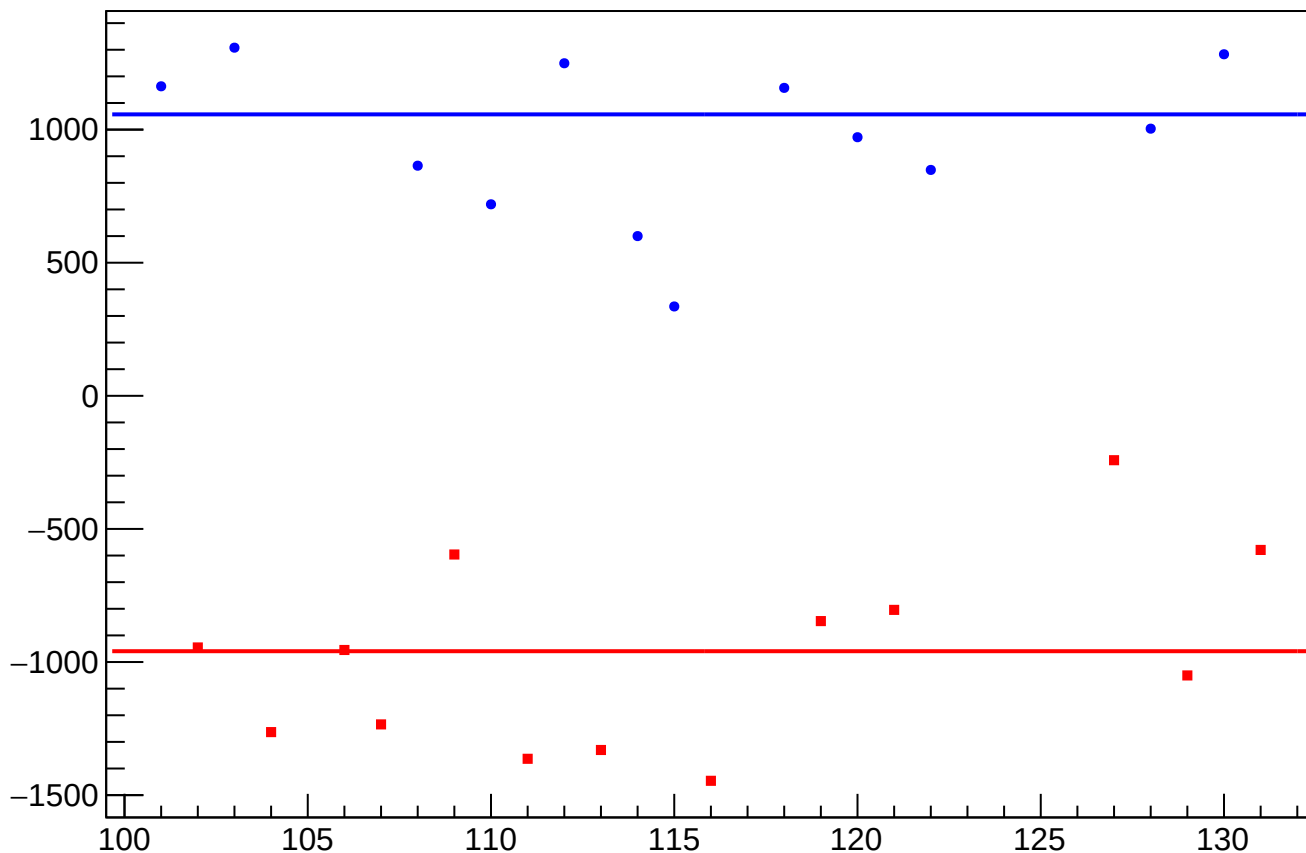
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

272.449+/-0.000  $\chi^2/\text{NDF}$ : 1959259952419943506372985225257943040.0/11

9.309+/-0.000  $\chi^2/\text{NDF}$ : 69554095072023

-226.902+/-0.000  $\chi^2/\text{NDF}$ : 1895435542524961073153808014734524416.0/12

dit\_sam5\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

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

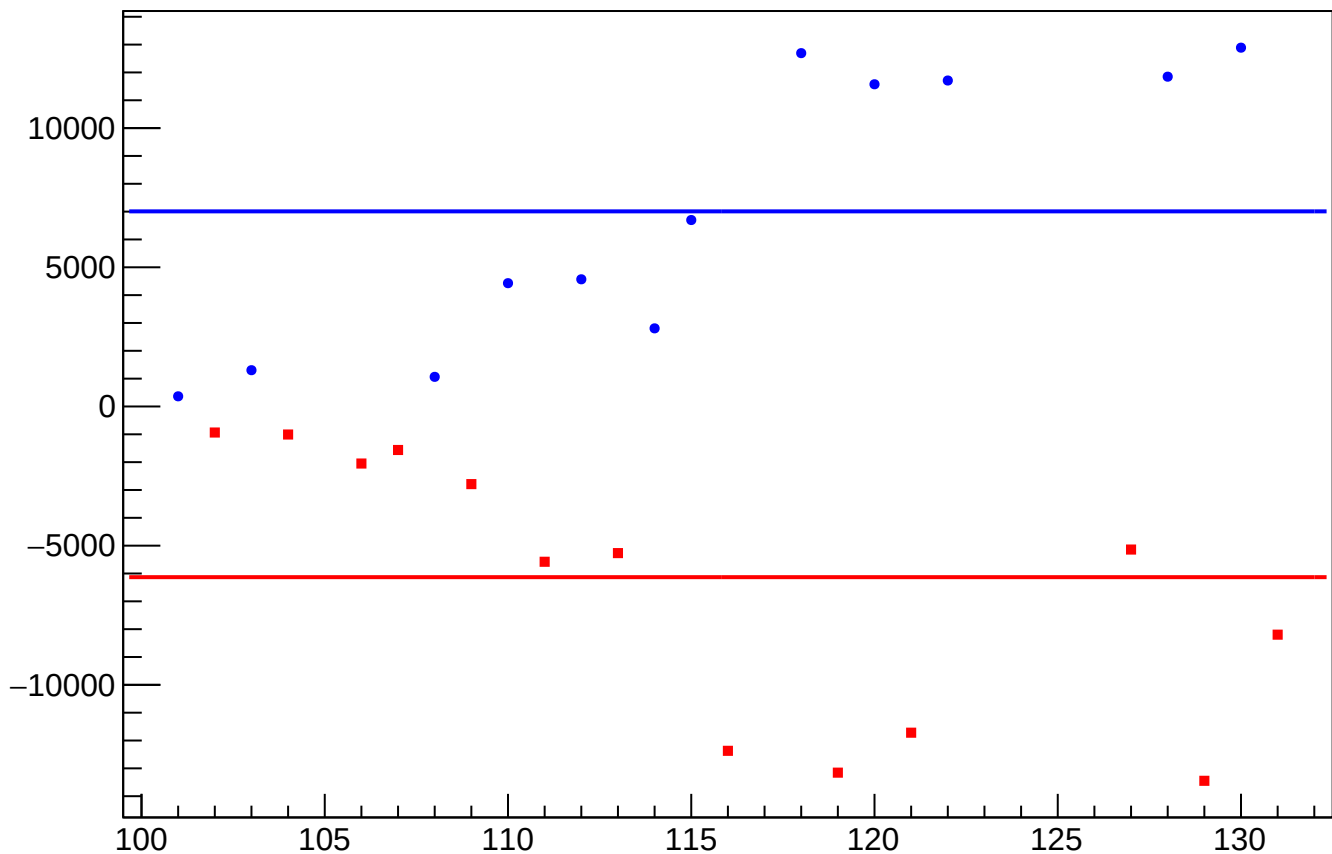
1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224



dit\_sam6\_coil7\_mean vs Slug, Sign Corrected



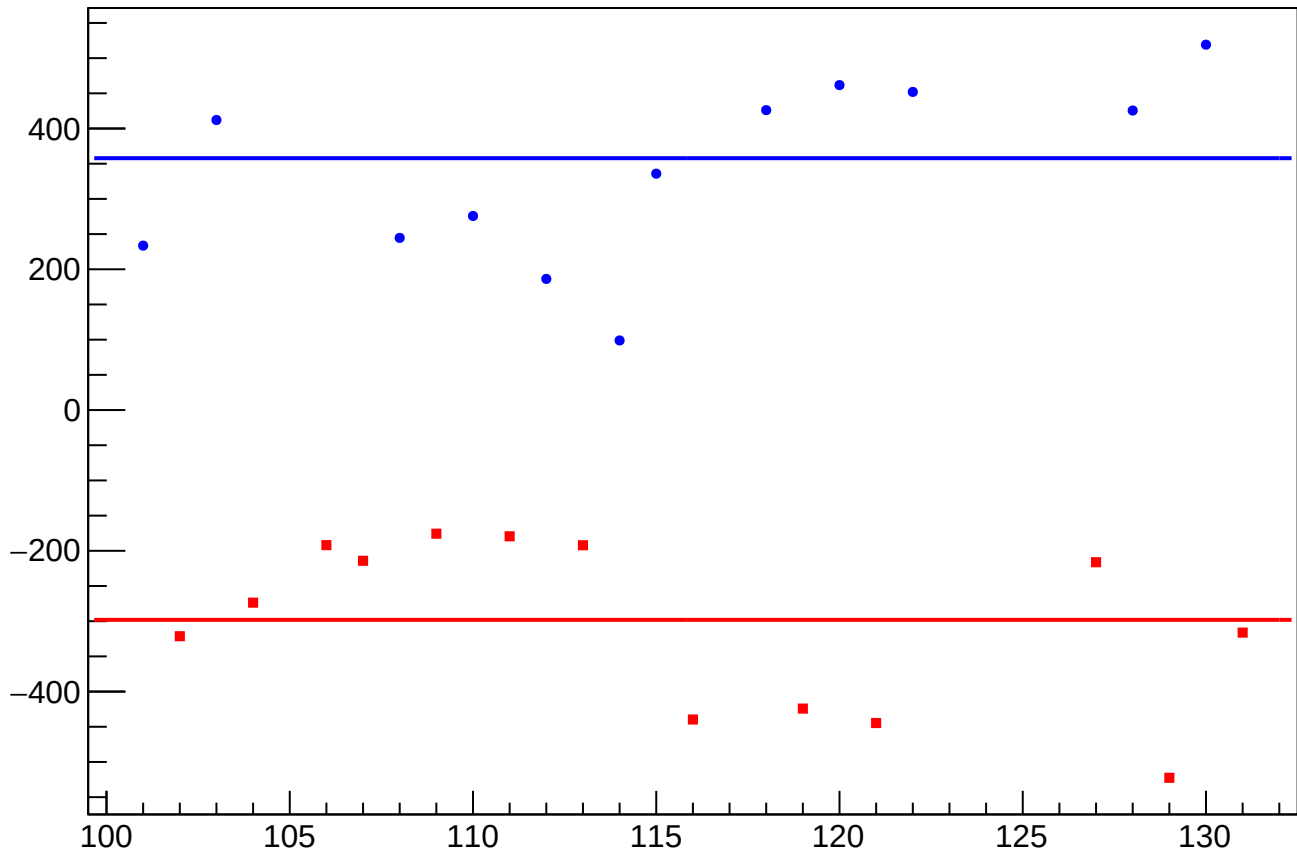
Right In: 7009.227+/-0.000  $\chi^2/\text{NDF}$ : 13024359267580711717116449433182237884416.0/11

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

Right Out: 84.455+/-0.000  $\chi^2/\text{NDF}$ : 7056004974370

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

dit\_sam6\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 357.848+/-0.000  $\chi^2/\text{NDF}$ : 6698915218168093983987506097967595520.0/11

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

Right Out: -298.081+/-0.000  $\chi^2/\text{NDF}$ : 7167924239134979522315944968805416960.0/12

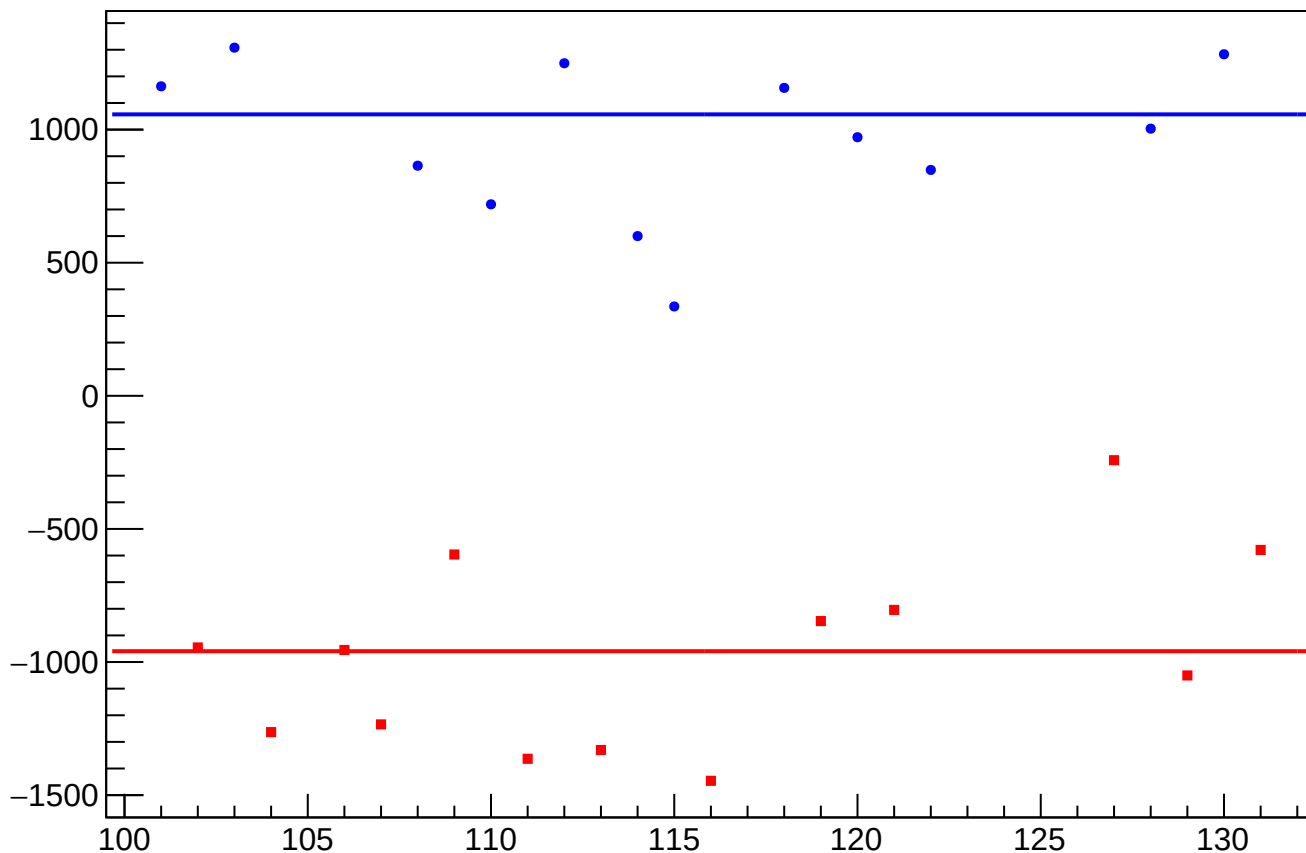
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

357.848+/-0.000  $\chi^2/\text{NDF}$ : 6698915218168093983987506097967595520.0/11

12.197+/-0.000  $\chi^2/\text{NDF}$ : 1272279875795

-298.081+/-0.000  $\chi^2/\text{NDF}$ : 7167924239134979522315944968805416960.0/12

dit\_sam6\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

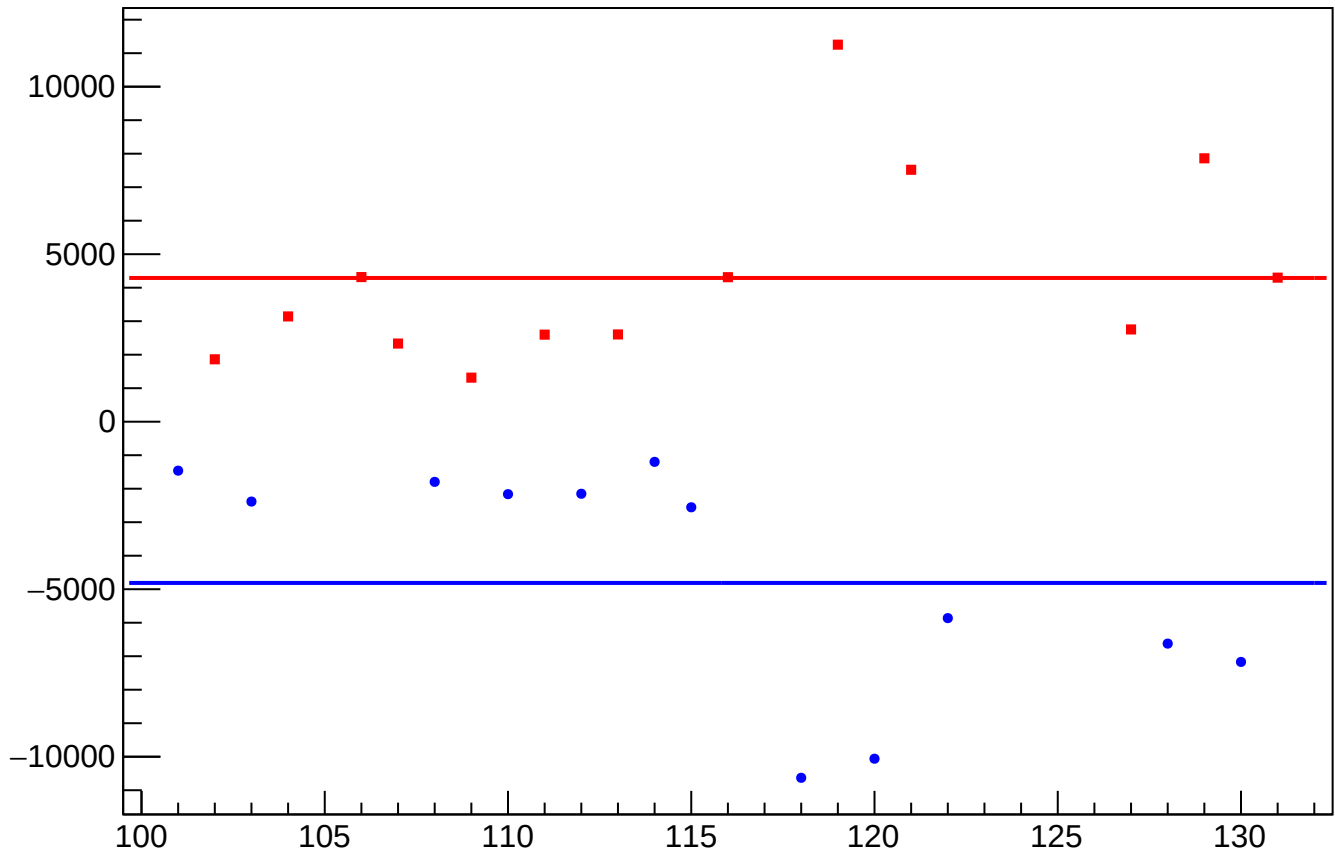
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

dit\_sam7\_coil7\_mean vs Slug, Sign Corrected



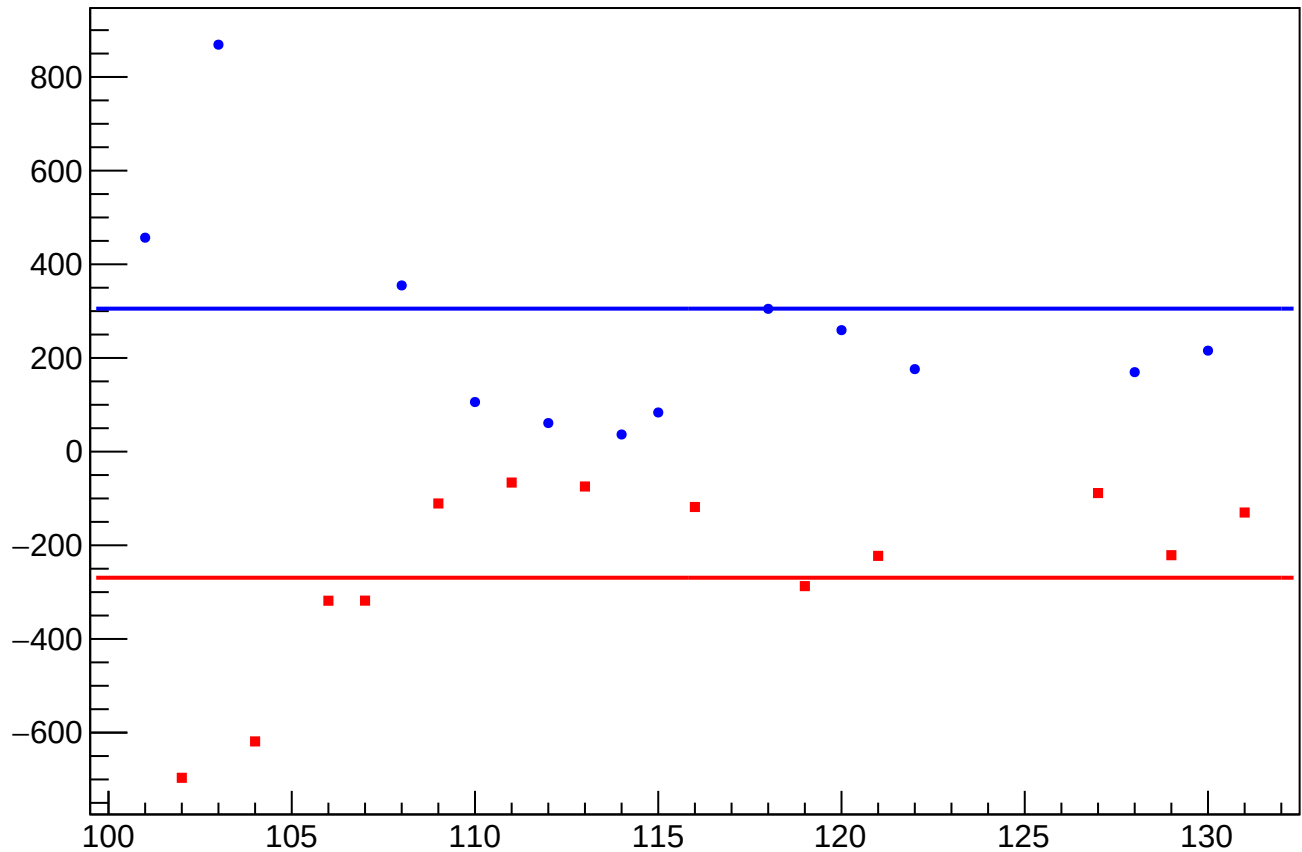
Right In: -4812.353+/-0.000  $\chi^2/\text{NDF}$ : 5414392229362800580913116761577291251712.0/11

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

Right Out: 4290.821+/-0.000  $\chi^2/\text{NDF}$ : 4820893200501196155360855601781583904768.0/12

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

dit\_sam7\_coil7\_err\_mean vs Slug, Sign Corrected



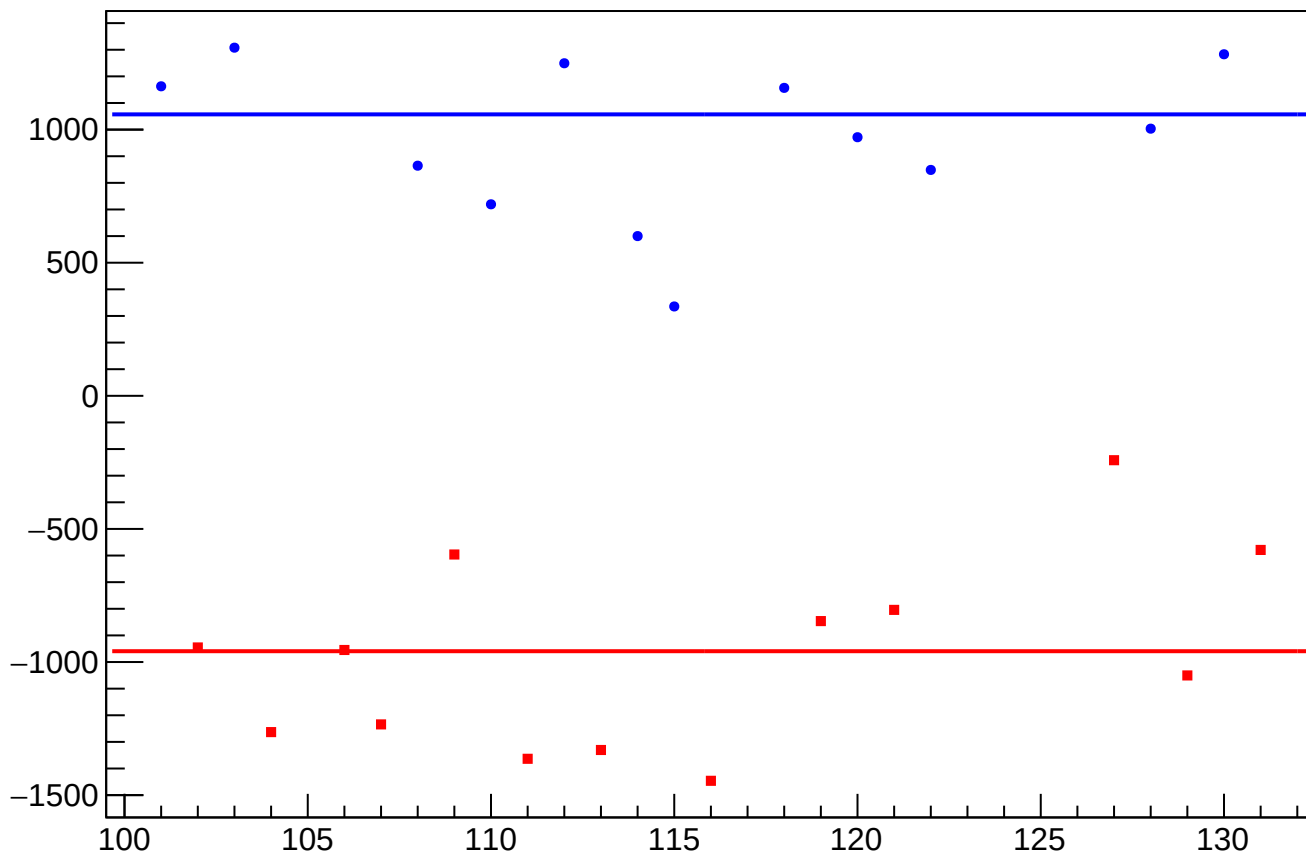
Right In: 305.327+/-0.000  $\chi^2/\text{NDF}$ : 28202059576479424344371164972075450368.0/11

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

Right Out: -269.250+/-0.000  $\chi^2/\text{NDF}$ : 24755693998819782180478149537126416384.0/12

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

dit\_sam7\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

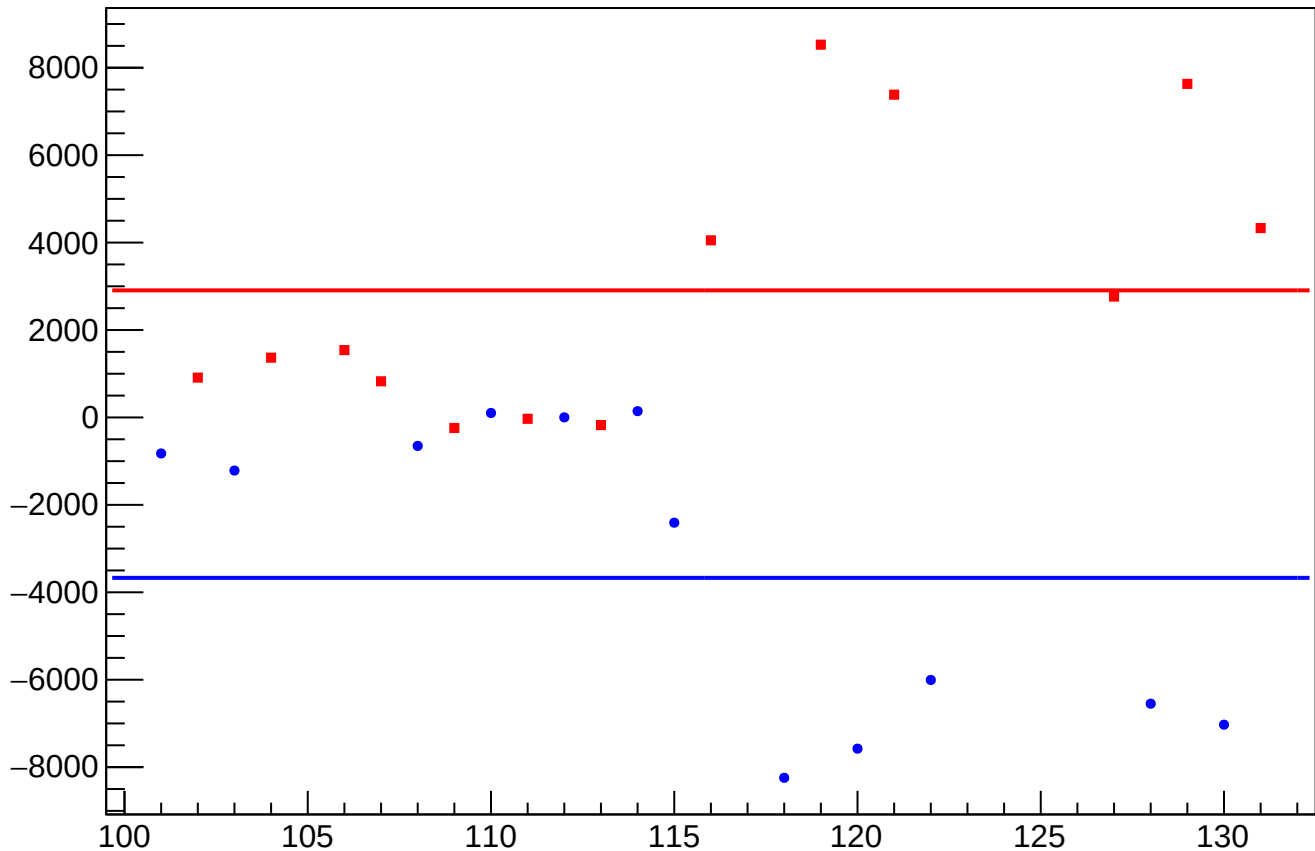
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

# dit\_sam8\_coil7\_mean vs Slug, Sign Corrected



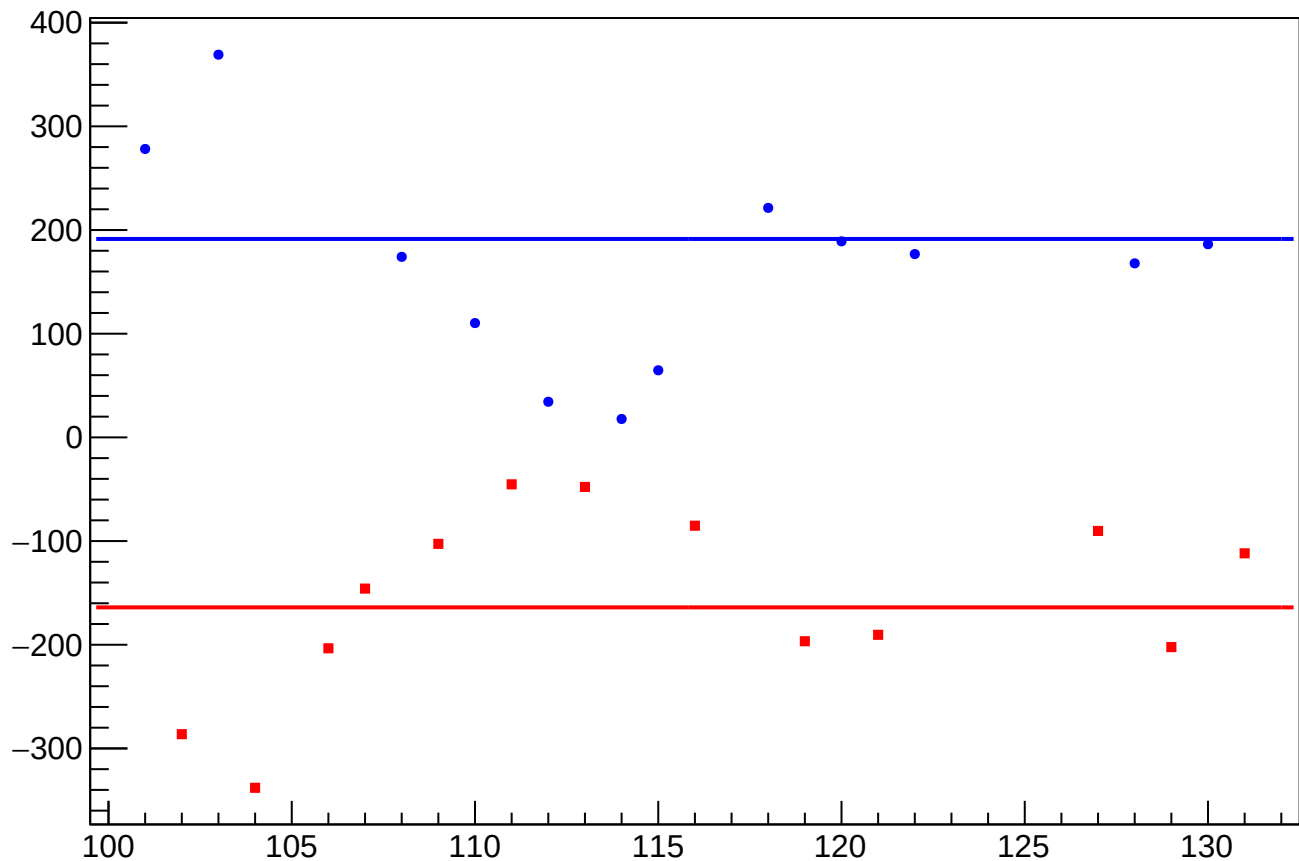
Right In: -3669.416+/-0.000  $\chi^2/\text{NDF}$ : 5436148166024504355146800474351971860480.0/11

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

Right Out: 2906.851+/-0.000  $\chi^2/\text{NDF}$ : 5361368823108796662207166600165302730752.0/12

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

dit\_sam8\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 191.381+/-0.000  $\chi^2/\text{NDF}$ : 4423698987334619992750543211560173568.0/11

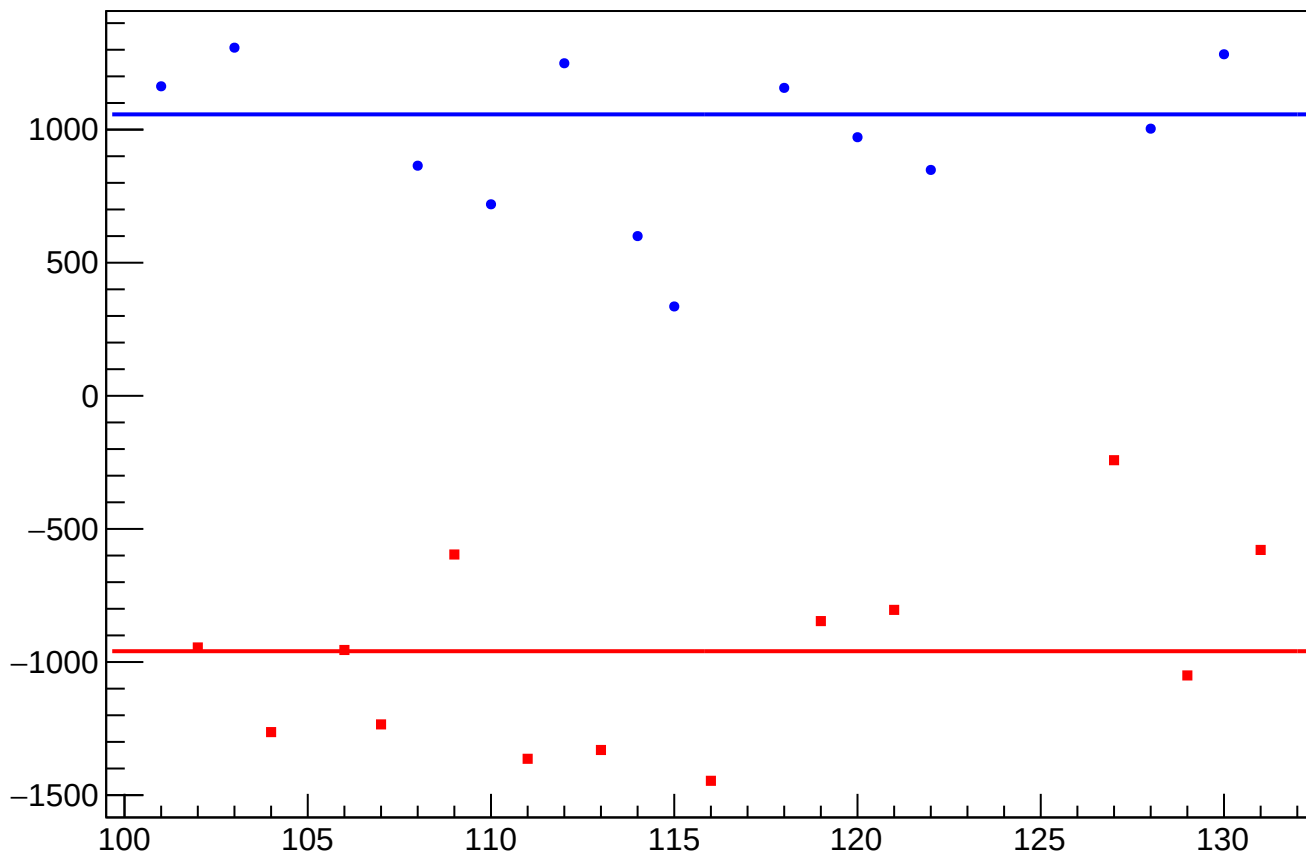
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -163.938+/-0.000  $\chi^2/\text{NDF}$ : 4546123303934981766846114889329541120.0/12

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



dit\_sam8\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1057.232+/-0.000  $\chi^2/\text{NDF}$ : 25782222163960566886626676124770369536.0/11

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

Right Out: -959.341+/-0.000  $\chi^2/\text{NDF}$ : 63443520172152249596654384469742977024.0/12

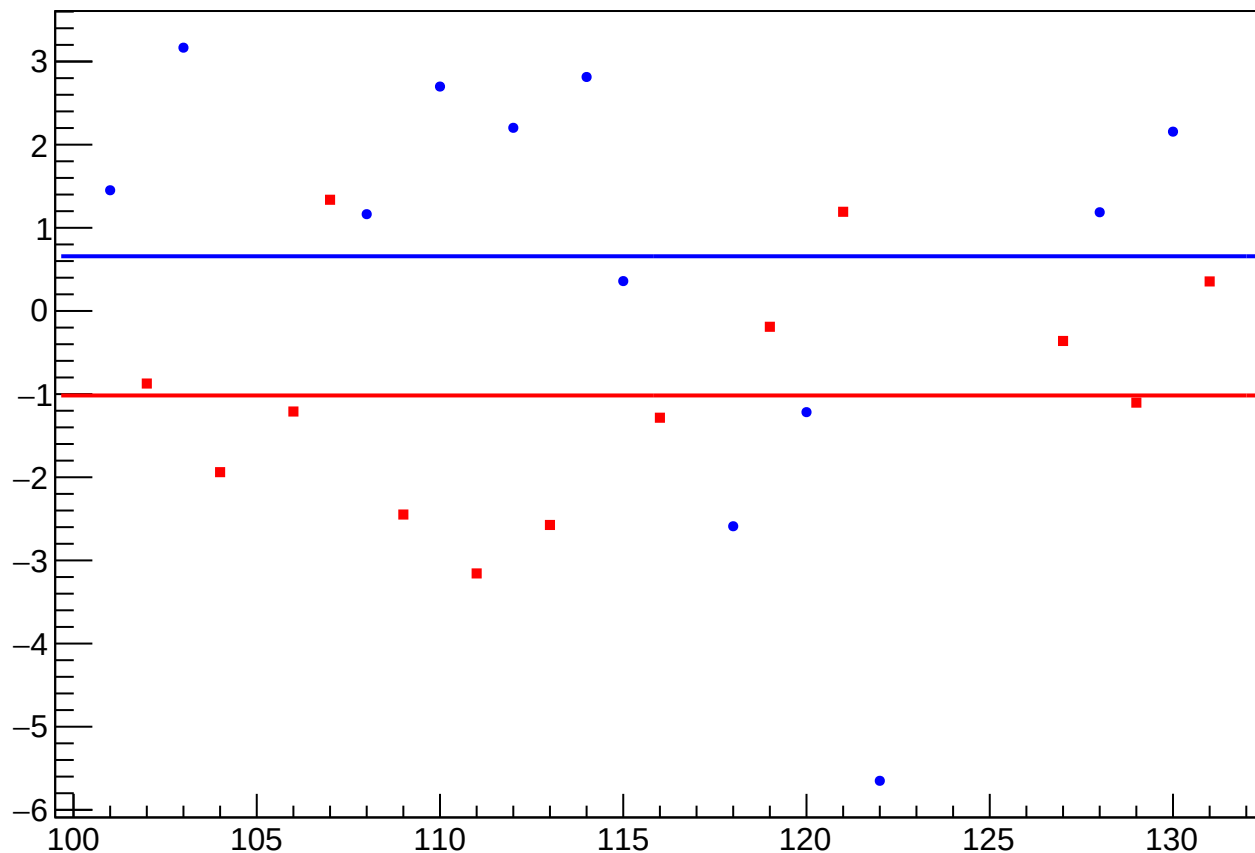
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1057.232+/-0.000  $\chi^2/\text{NDF}$ : 2578222216396056

-5.428+/-0.000  $\chi^2/\text{NDF}$ : 11606911567729

-959.341+/-0.000  $\chi^2/\text{NDF}$ : 6344352017215224

dit\_4aX\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.658+/-0.000  $\chi^2/\text{NDF}$ : 3177201654437141852575953707859968.0/11

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

Right Out: -1.016+/-0.000  $\chi^2/\text{NDF}$ : 980799763527425794931882492690432.0/12

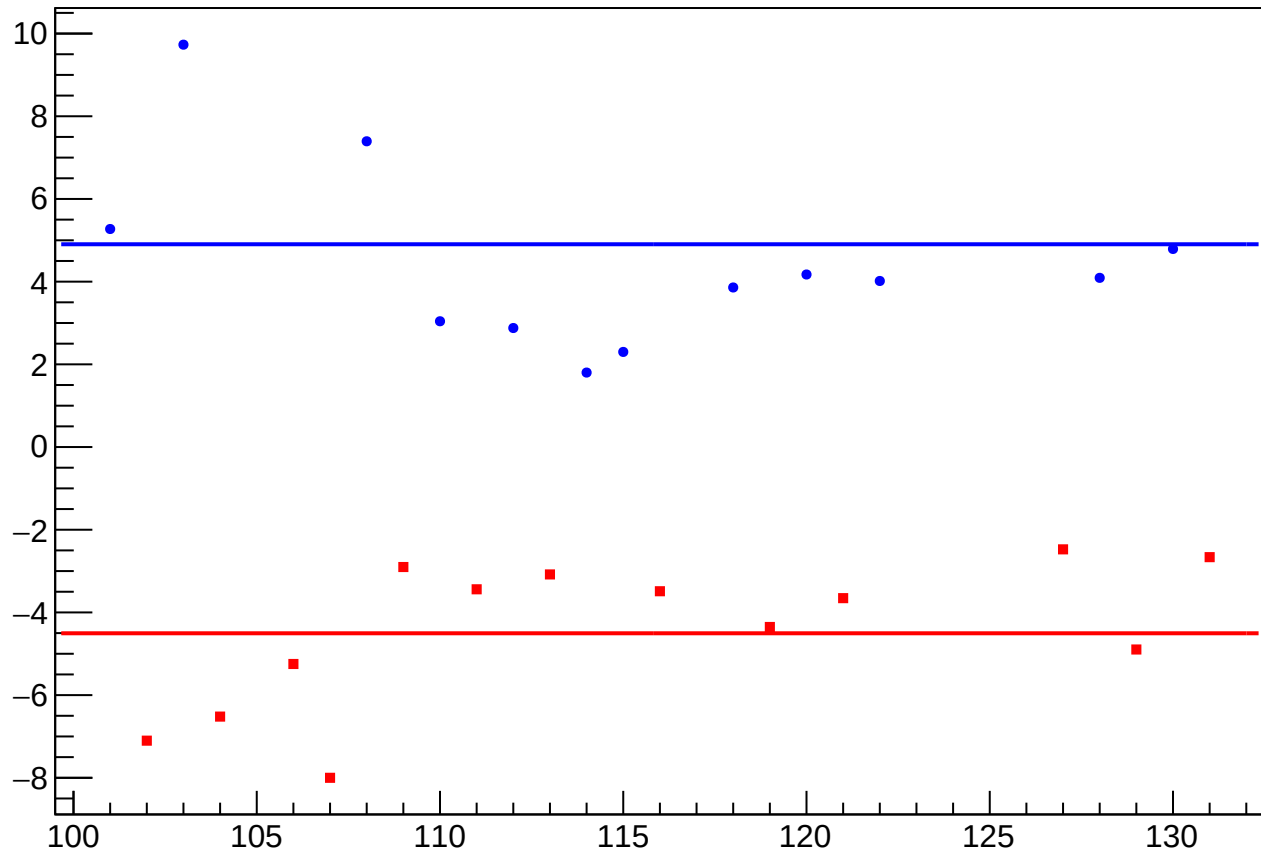
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.658+/-0.000  $\chi^2/\text{NDF}$ : 3177201654437141852

-0.224+/-0.000  $\chi^2/\text{NDF}$ : 4896387991956

-1.016+/-0.000  $\chi^2/\text{NDF}$ : 980799763527425794

dit\_4aX\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 4.904+/-0.000  $\chi^2/\text{NDF}$ : 2286162466247805451523552930955264.0/11

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

Right Out: -4.504+/-0.000  $\chi^2/\text{NDF}$ : 1697854062896676432009670370000896.0/12

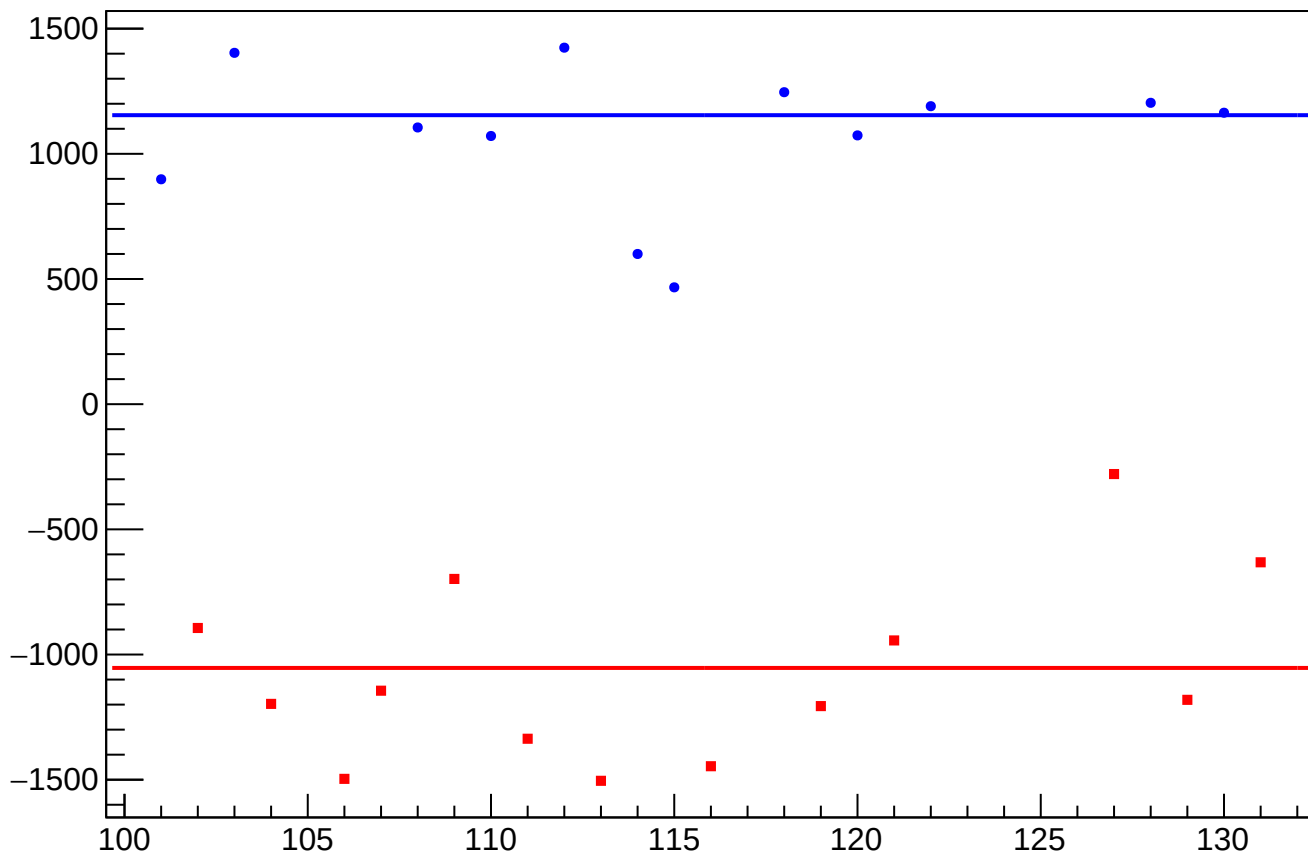
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.904+/-0.000  $\chi^2/\text{NDF}$ : 2286162466247805451523552930955264.0/11

-0.054+/-0.000  $\chi^2/\text{NDF}$ : 27308685468195

-4.504+/-0.000  $\chi^2/\text{NDF}$ : 1697854062896676432009670370000896.0/12

dit\_4aX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



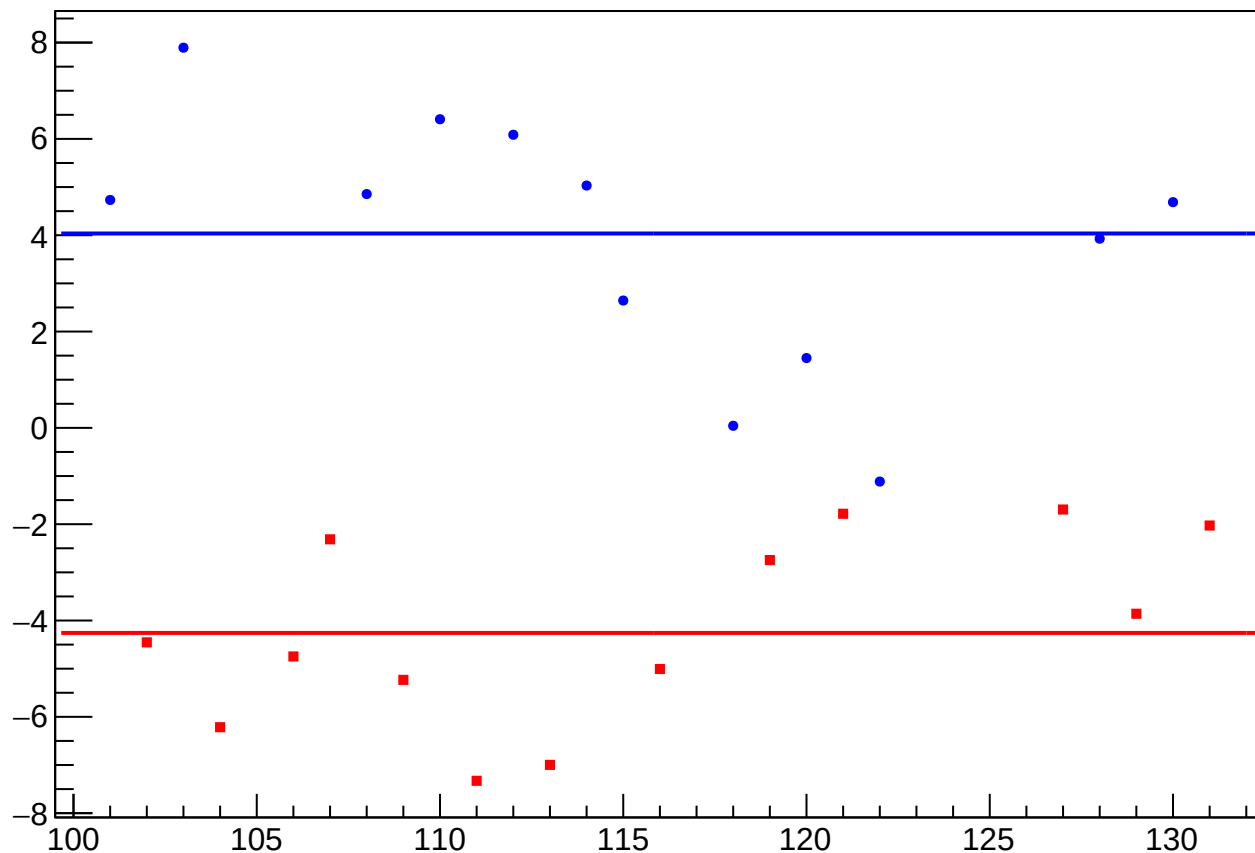
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

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

# dit\_4eX\_coil4\_mean vs Slug, Sign Corrected



Right In: 4.036+/-0.000  $\chi^2/\text{NDF}$ : 3548254847141303885641413658935296.0/11

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

Right Out: -4.257+/-0.000  $\chi^2/\text{NDF}$ : 1999929926970755531516770399551488.0/12

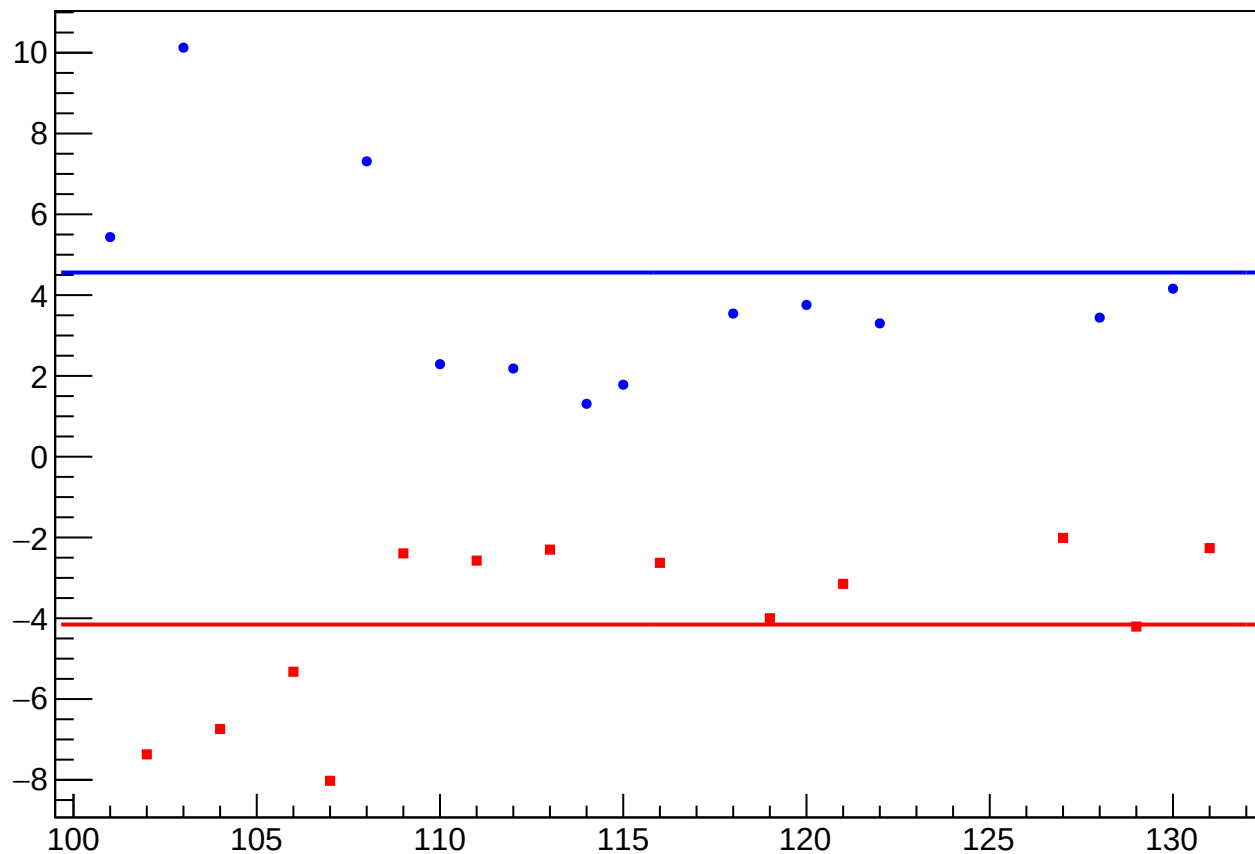
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

4.036+/-0.000  $\chi^2/\text{NDF}$ : 3548254847141303885

-0.334+/-0.000  $\chi^2/\text{NDF}$ : 2366938943381

-4.257+/-0.000  $\chi^2/\text{NDF}$ : 199992992697075553

# dit\_4eX\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 4.560+/-0.000  $\chi^2/\text{NDF}$ : 3060072402537023699288840785100800.0/11

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

Right Out: -4.155+/-0.000  $\chi^2/\text{NDF}$ : 2382769011724266788401446022807552.0/12

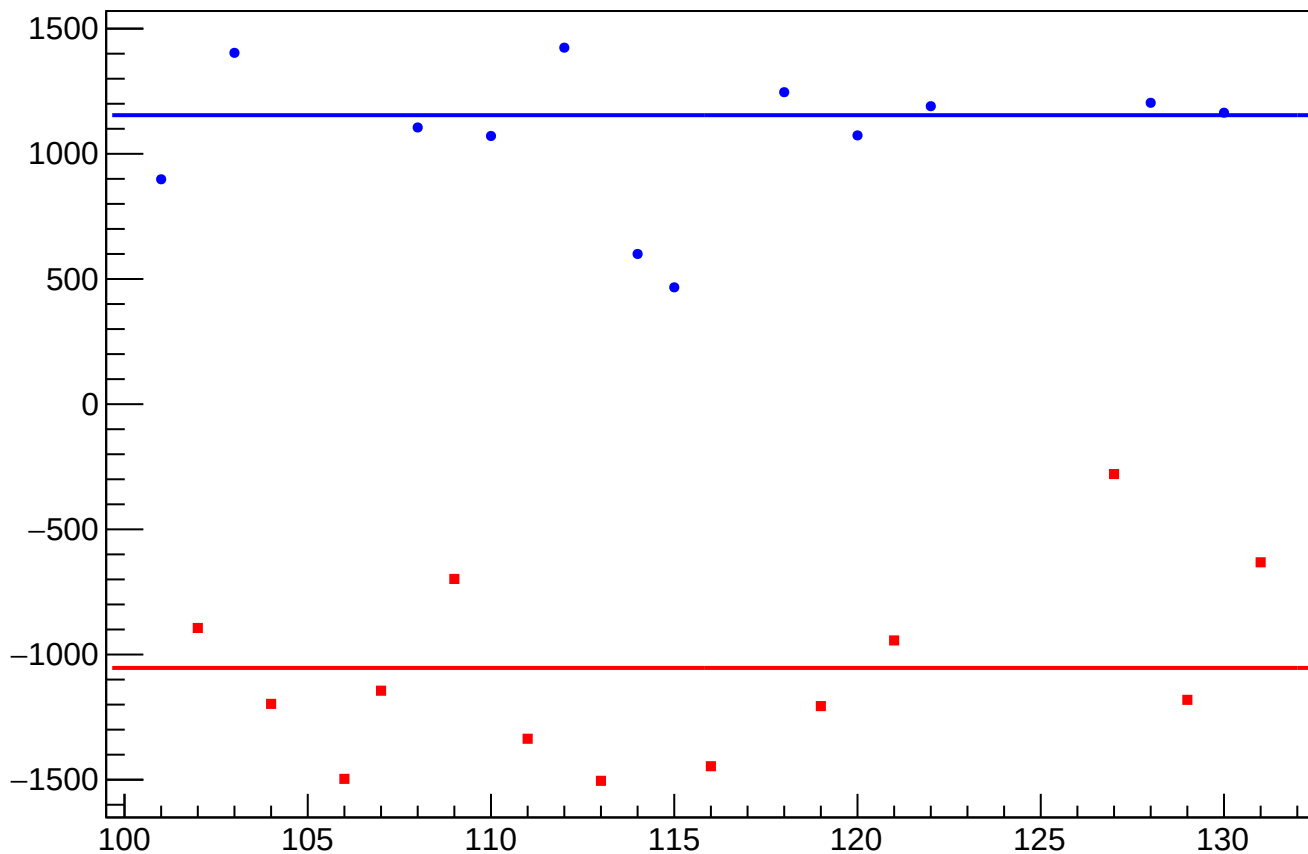
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.560+/-0.000  $\chi^2/\text{NDF}$ : 3060072402537023699

-0.033+/-0.000  $\chi^2/\text{NDF}$ : 2545185377596

-4.155+/-0.000  $\chi^2/\text{NDF}$ : 238276901172426678

dit\_4eX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



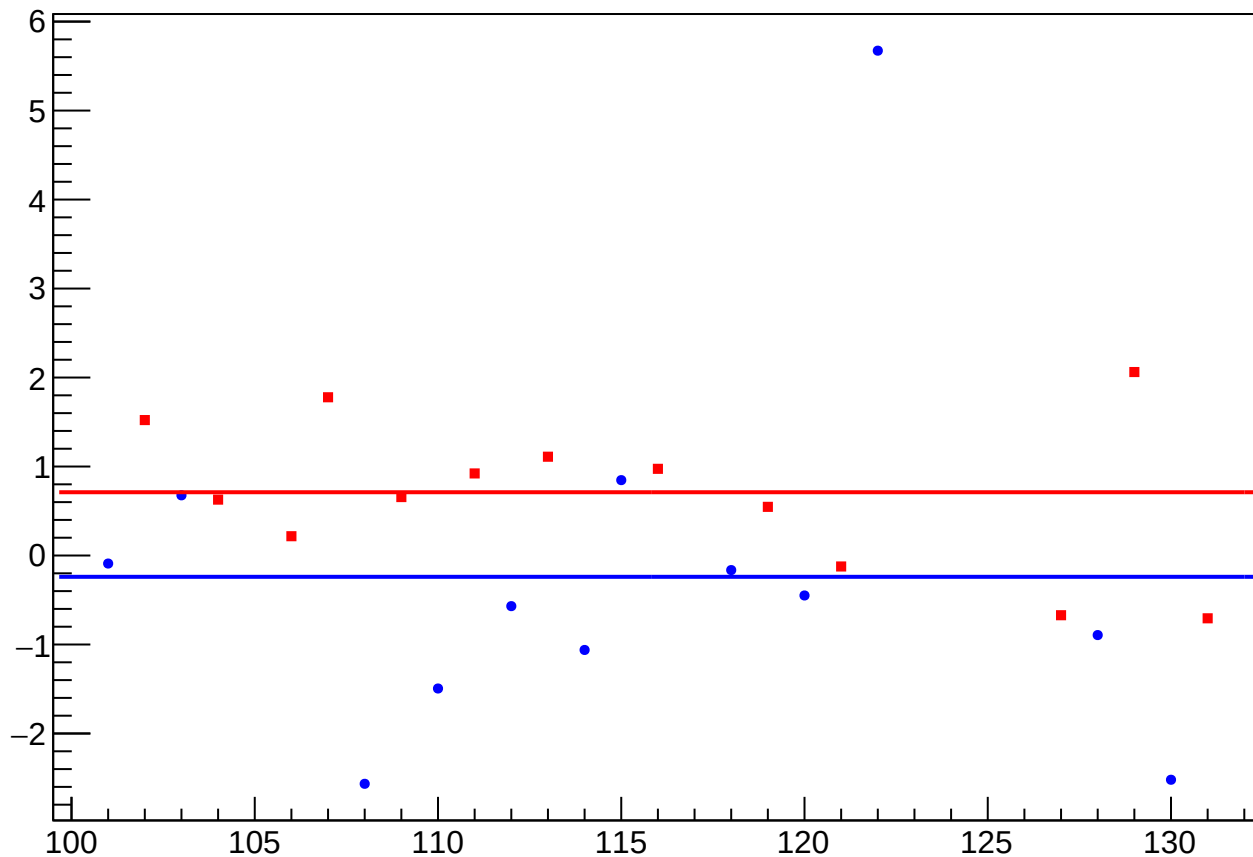
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

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

dit\_11X12X\_coil4\_mean vs Slug, Sign Corrected



Right In: -0.239+/-0.000  $\chi^2/\text{NDF}$ : 2073048113480771853678134926770176.0/11

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

Right Out: 0.711+/-0.000  $\chi^2/\text{NDF}$ : 361885538946826748967386188087296.0/12

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

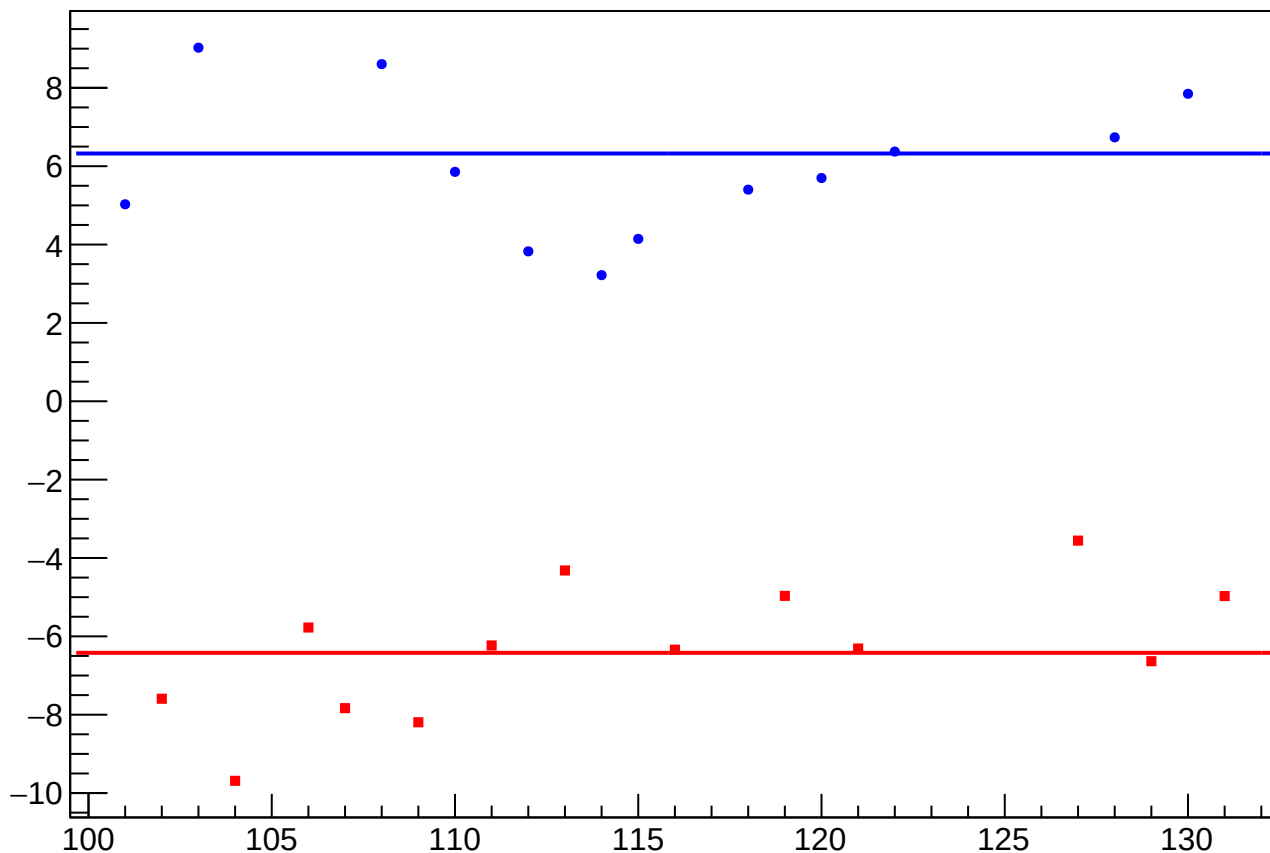
-0.239+/-0.000  $\chi^2/\text{NDF}$ : 207304811348077185

0.262+/-0.000  $\chi^2/\text{NDF}$ : 26729568233663

0.711+/-0.000  $\chi^2/\text{NDF}$ : 3618855389468267489



dit\_11X12X\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 6.324+/-0.000  $\chi^2/\text{NDF}$ : 1410000769905675453449352018657280.0/11

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

Right Out: -6.420+/-0.000  $\chi^2/\text{NDF}$ : 1618413042923960925808699574845440.0/12

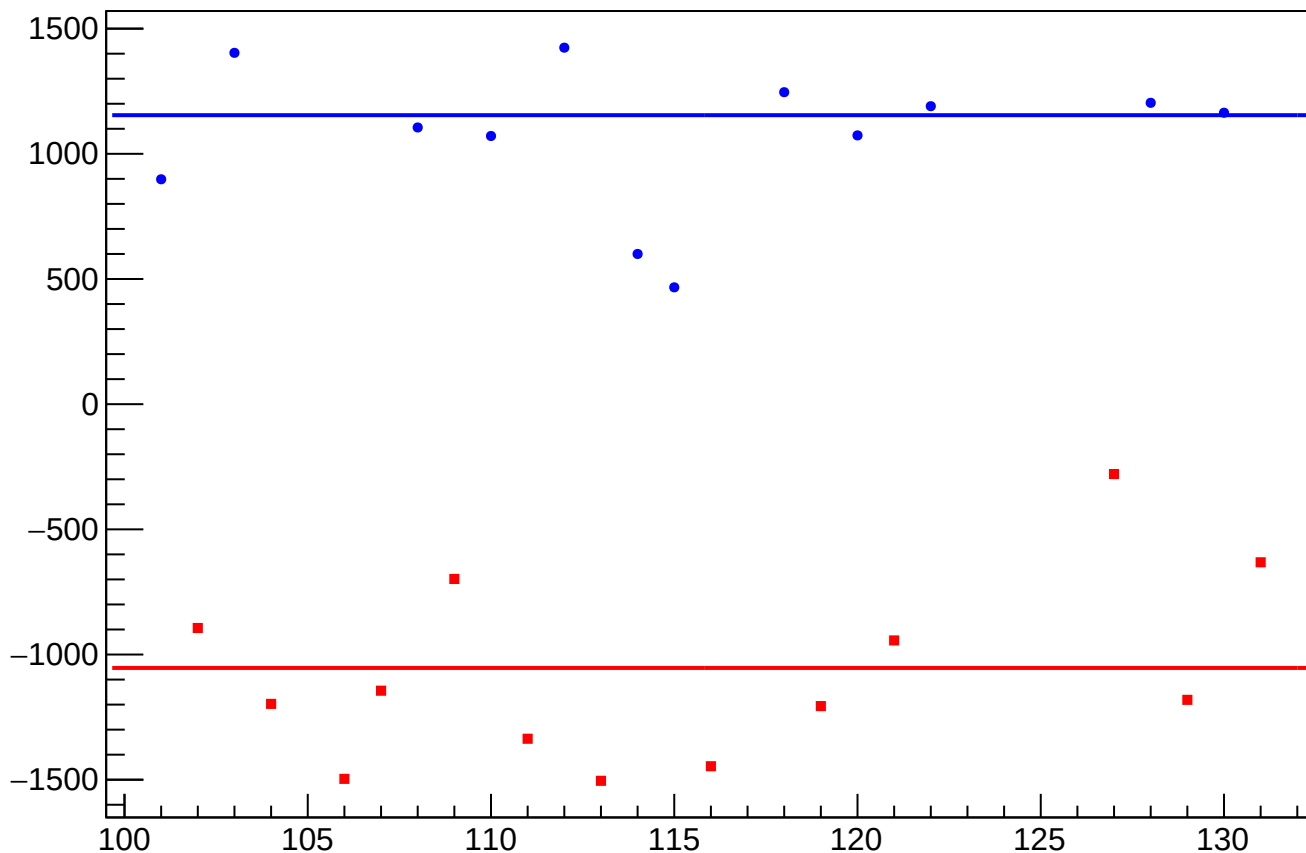
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.324+/-0.000  $\chi^2/\text{NDF}$ : 1410000769905675453

-0.391+/-0.000  $\chi^2/\text{NDF}$ : 45819980026600

-6.420+/-0.000  $\chi^2/\text{NDF}$ : 161841304292396092

dit\_11X12X\_coil4\_Ndata\_mean vs Slug, Sign Corrected



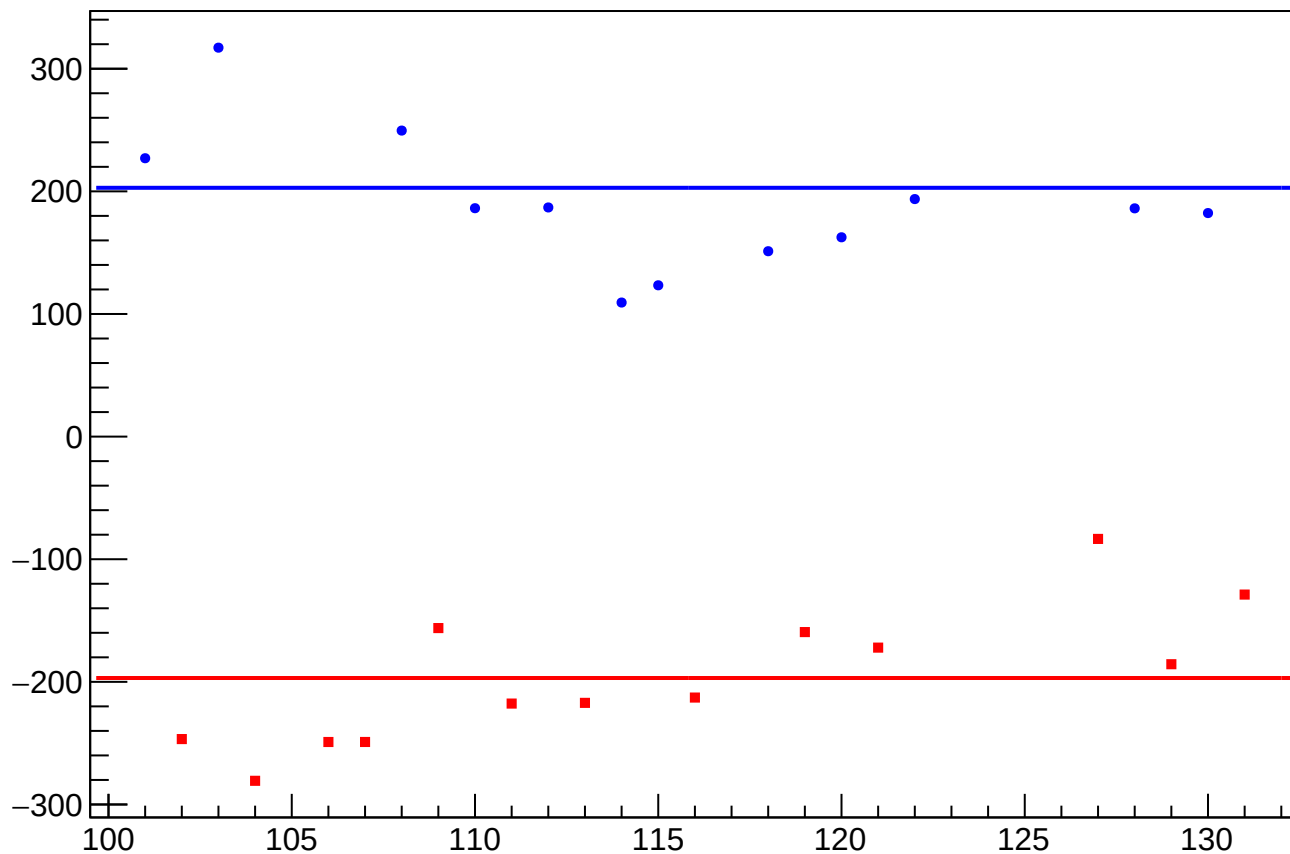
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

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

dit\_4aY\_coil4\_mean vs Slug, Sign Corrected



Right In: 202.907+/-0.000  $\chi^2/\text{NDF}$ : 1328156976276312107369509284875337728.0/11

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

Right Out: -196.858+/-0.000  $\chi^2/\text{NDF}$ : 1645123804063973392072980387252404224.0/12

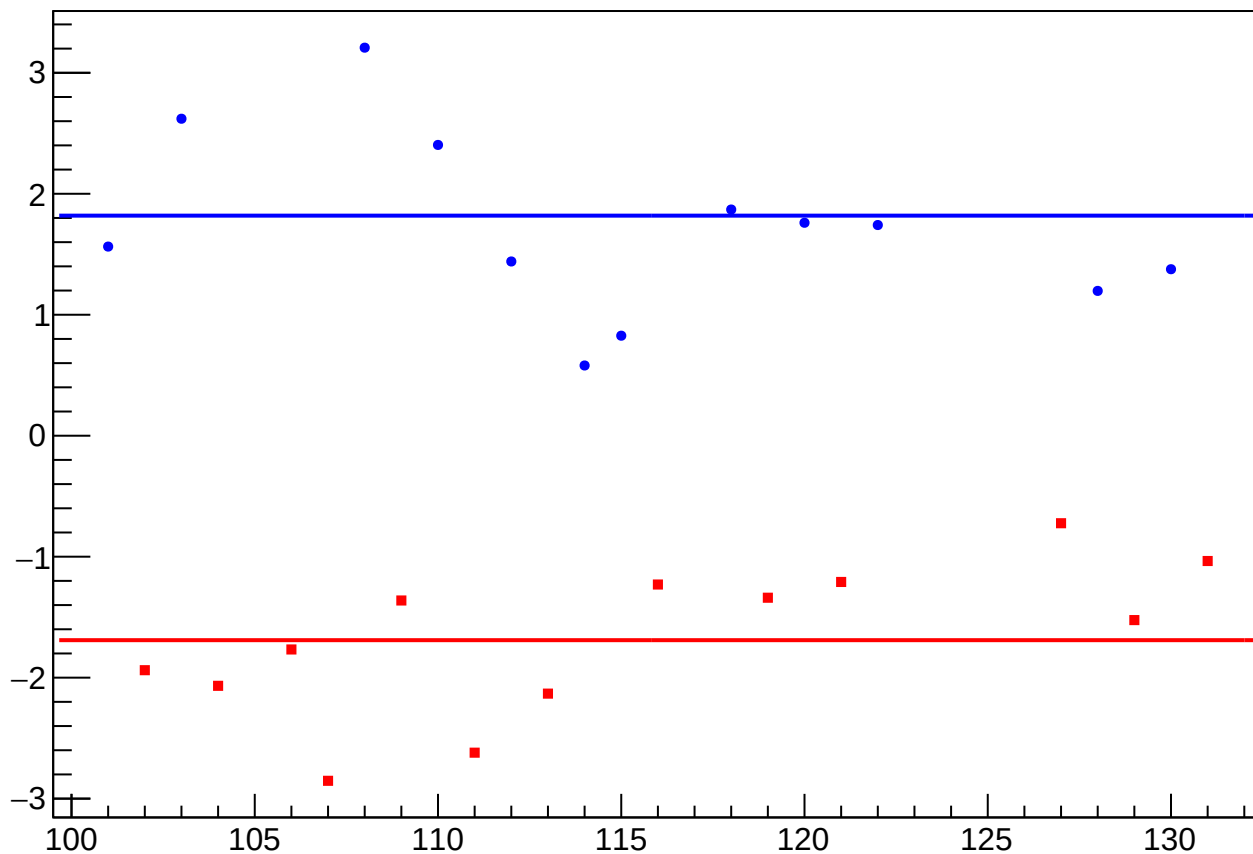
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

202.907+/-0.000  $\chi^2/\text{NDF}$ : 1328156976276312107369509284875337728.0/11

-7.754+/-0.000  $\chi^2/\text{NDF}$ : 4508085633558.0/11

-196.858+/-0.000  $\chi^2/\text{NDF}$ : 1645123804063973392072980387252404224.0/12

dit\_4aY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1.819+/-0.000  $\chi^2/\text{NDF}$ : 196145730858679339978742191620096.0/11

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

Right Out: -1.690+/-0.000  $\chi^2/\text{NDF}$ : 190743638956575058888432203857920.0/12

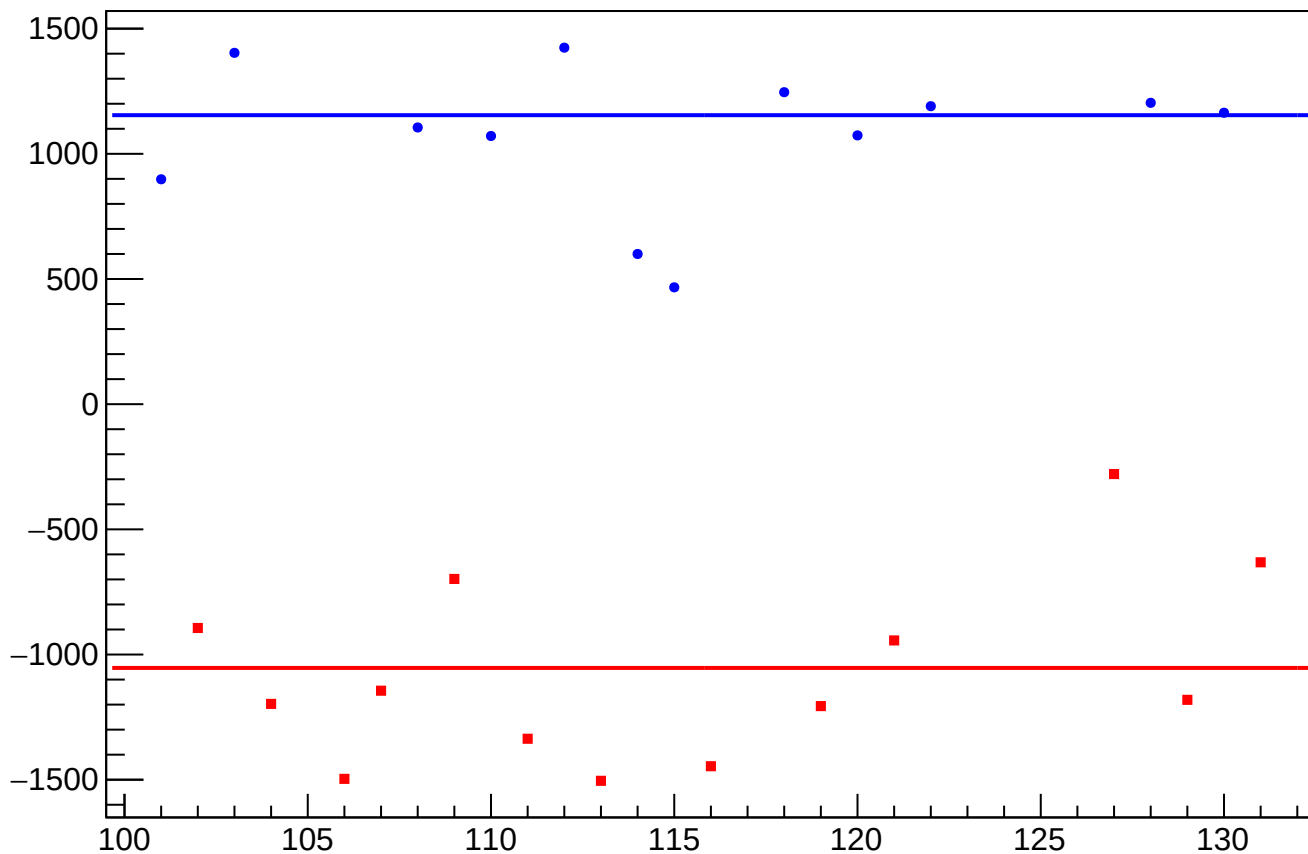
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.819+/-0.000  $\chi^2/\text{NDF}$ : 196145730858679339978742191620096.0/11

-0.030+/-0.000  $\chi^2/\text{NDF}$ : 3631882883094.0/11

-1.690+/-0.000  $\chi^2/\text{NDF}$ : 190743638956575058888432203857920.0/12

dit\_4aY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



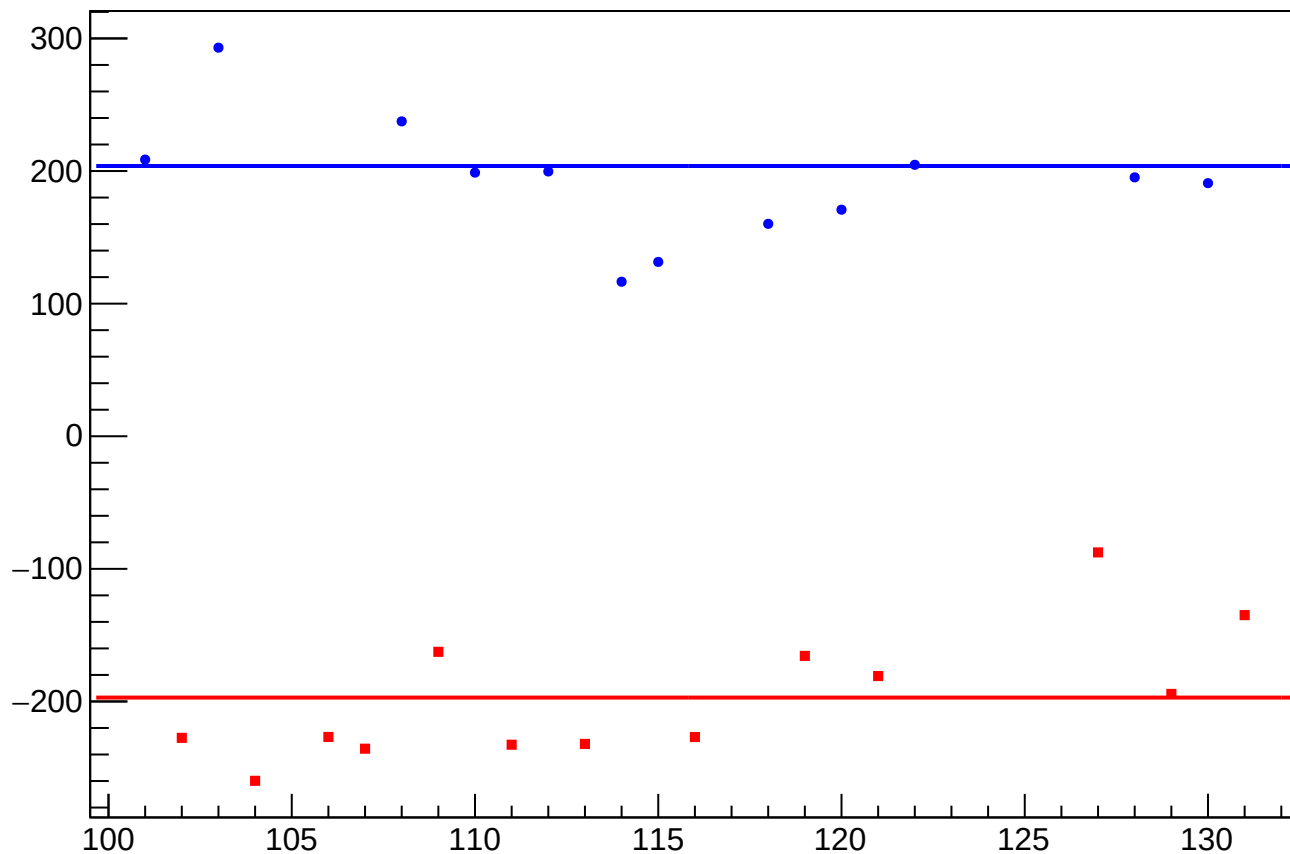
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

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

dit\_4eY\_coil4\_mean vs Slug, Sign Corrected



Right In: 203.800+/-0.000  $\chi^2/\text{NDF}$ : 819918385937303128833065459390611456.0/11

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

Right Out: -197.074+/-0.000  $\chi^2/\text{NDF}$ : 1254858994403717459222044219682062336.0/12

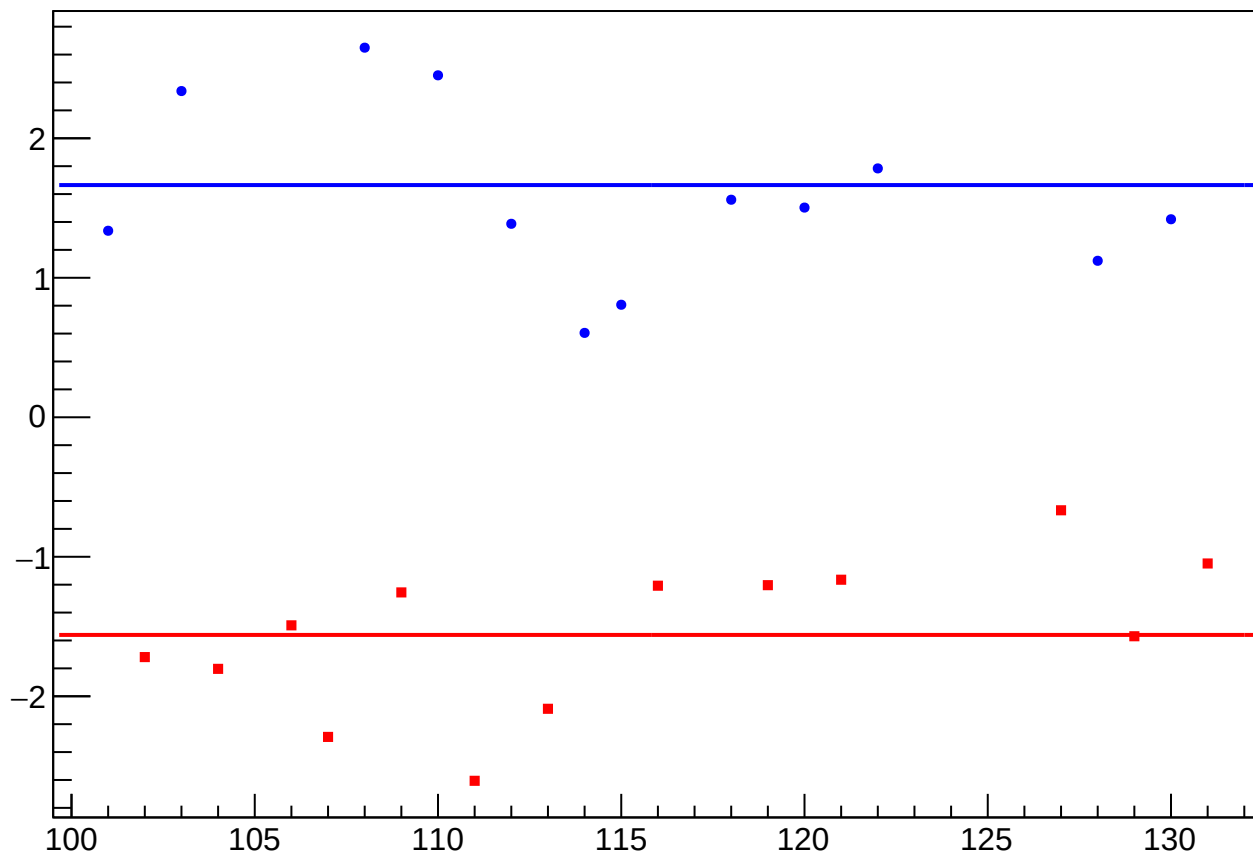
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

203.800+/-0.000  $\chi^2/\text{NDF}$ : 819918385937303128833065459390611456.0/11

-7.446+/-0.000  $\chi^2/\text{NDF}$ : 4441615976139.0/12

-197.074+/-0.000  $\chi^2/\text{NDF}$ : 1254858994403717459222044219682062336.0/12

dit\_4eY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1.665+/-0.000  $\chi^2/\text{NDF}$ : 138972035788526128504083228655616.0/11

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

Right Out: -1.560+/-0.000  $\chi^2/\text{NDF}$ : 149869156176945828506085456084992.0/12

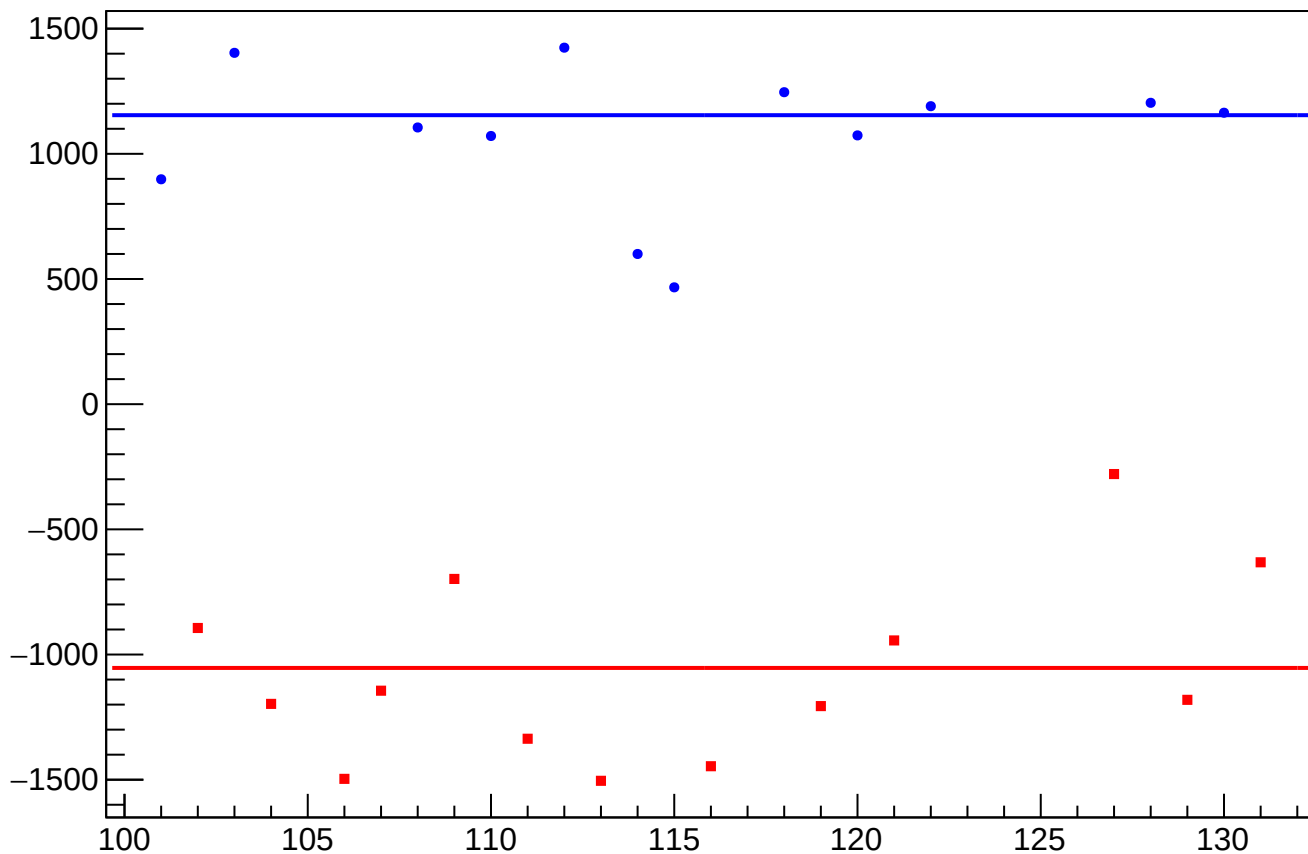
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.665+/-0.000  $\chi^2/\text{NDF}$ : 138972035788526128504083228655616.0/11

-0.035+/-0.000  $\chi^2/\text{NDF}$ : 30288965939280.0/11

-1.560+/-0.000  $\chi^2/\text{NDF}$ : 149869156176945828506085456084992.0/12

dit\_4eY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

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

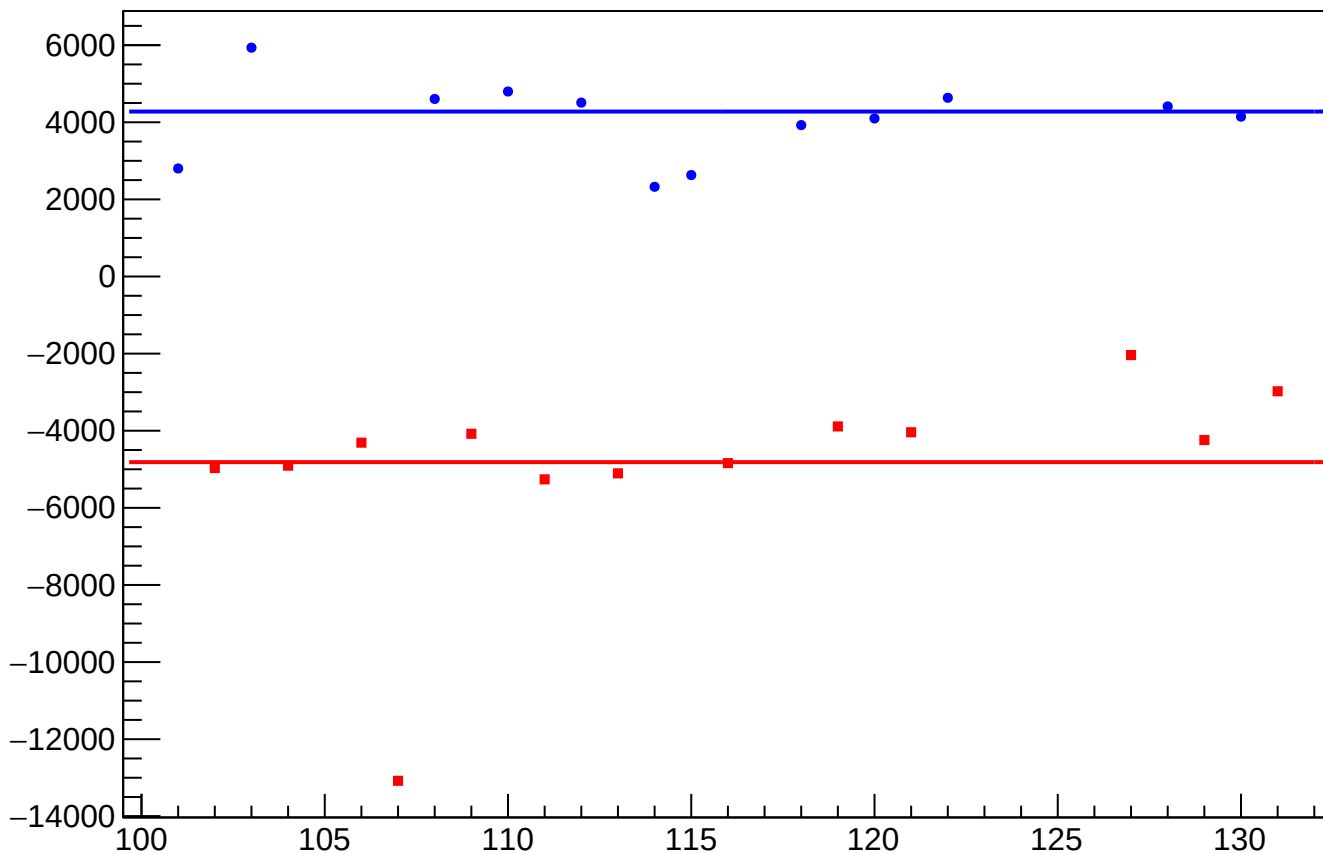
1154.344+/-0.000  $\chi^2/\text{NDF}$ : 2171491269008131

-9.119+/-0.000  $\chi^2/\text{NDF}$ : 13732493767902

-1053.521+/-0.000  $\chi^2/\text{NDF}$ : 671498249645891



# dit\_usl\_coil4\_mean vs Slug, Sign Corrected



Right In: 4277.891+/-0.000  $\chi^2/\text{NDF}$ : 399555675609294598331466921292104466432.0/11

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

Right Out: -4814.308+/-0.000  $\chi^2/\text{NDF}$ : 3050791368516059879497998264228647010304.0/12

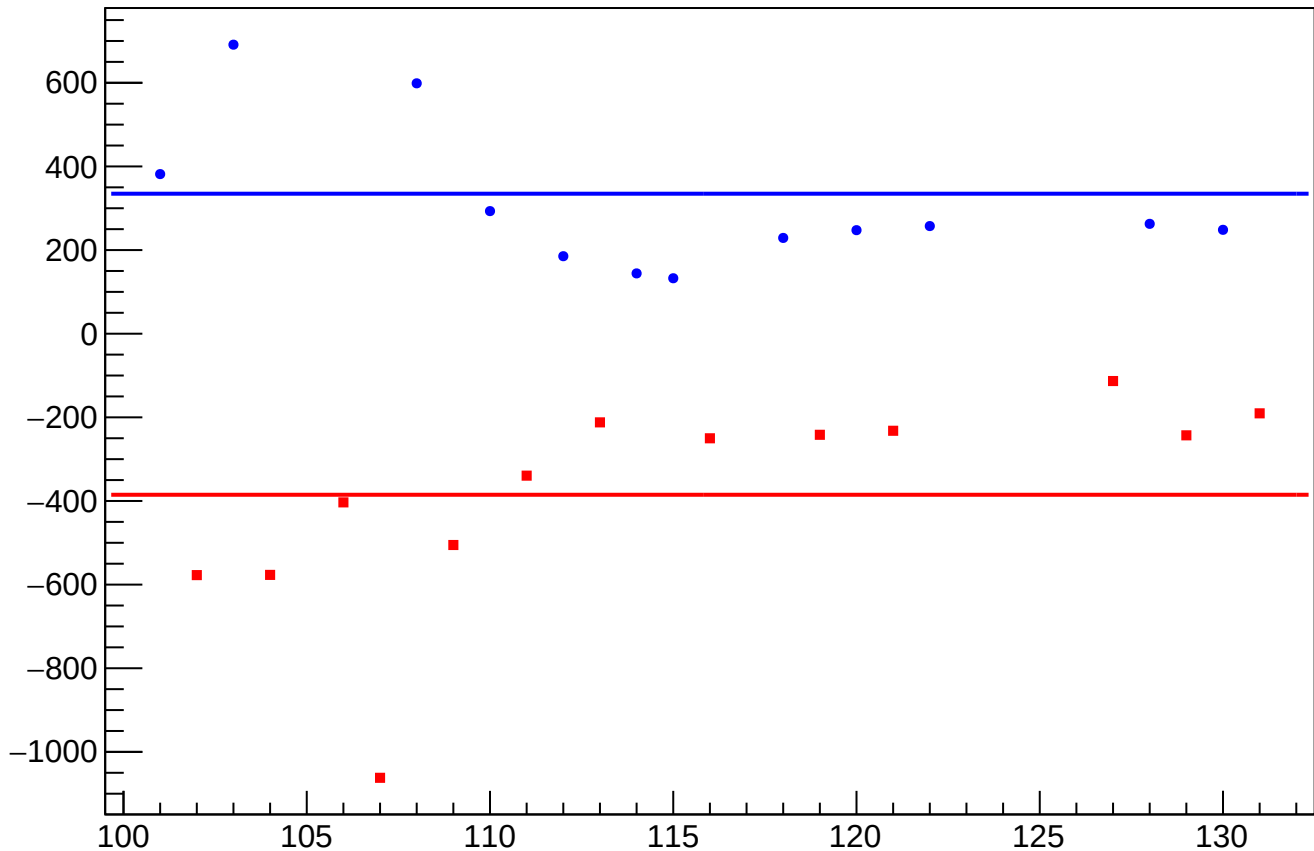
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4277.891+/-0.000  $\chi^2/\text{NDF}$ : 3995556756092945

-513.363+/-0.000  $\chi^2/\text{NDF}$ : 25231859655

-4814.308+/-0.000  $\chi^2/\text{NDF}$ : 305079136851605

dit\_usl\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 334.774+/-0.000  $\chi^2/\text{NDF}$ : 14143488018579655321561460918546595840.0/11

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

Right Out: -385.139+/-0.000  $\chi^2/\text{NDF}$ : 30648469015858737236749005348214407168.0/12

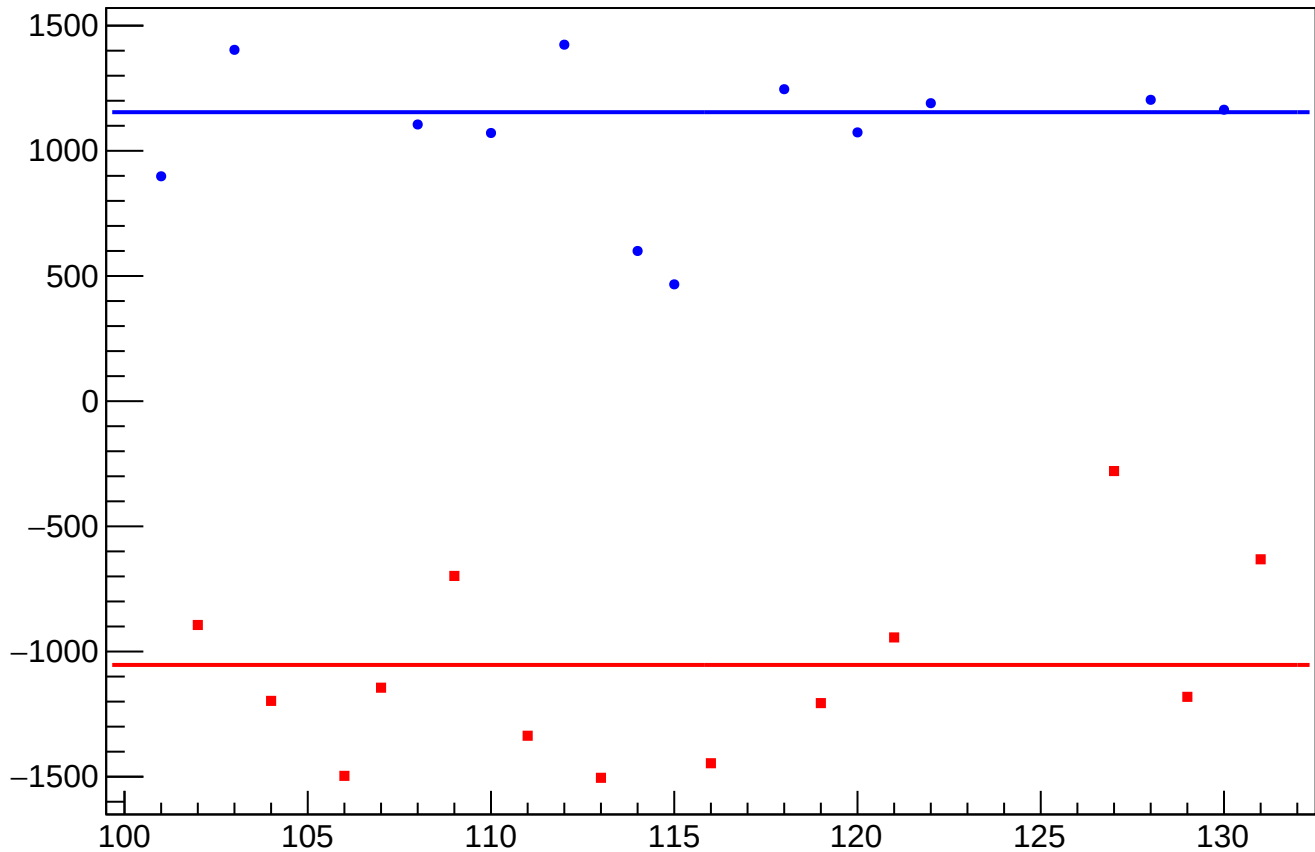
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

334.774+/-0.000  $\chi^2/\text{NDF}$ : 14143488018579655

-44.594+/-0.000  $\chi^2/\text{NDF}$ : 181347719355

-385.139+/-0.000  $\chi^2/\text{NDF}$ : 3064846901585873

dit\_usl\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

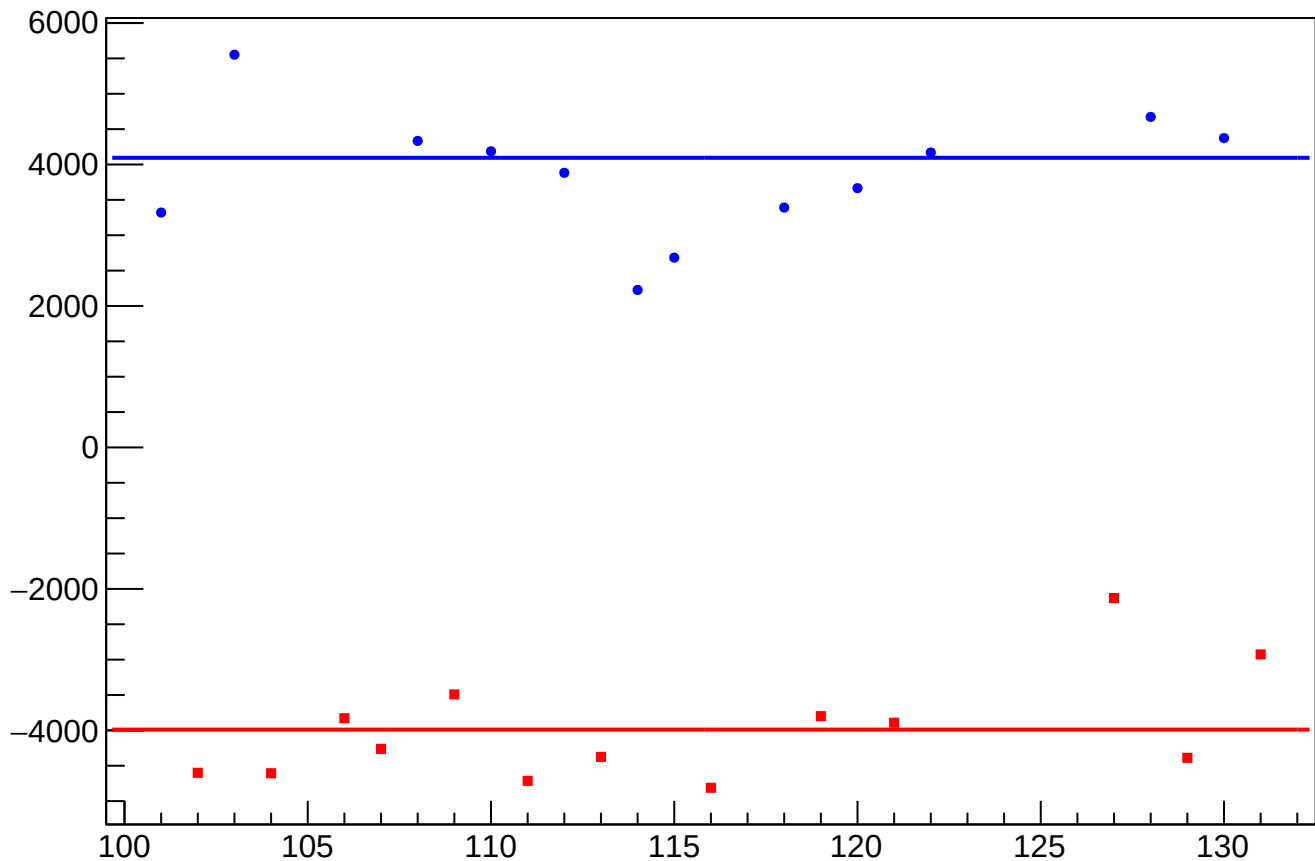
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1154.344+/-0.000  $\chi^2/\text{NDF}$ : 2171491269008131

-9.119+/-0.000  $\chi^2/\text{NDF}$ : 13732493767902

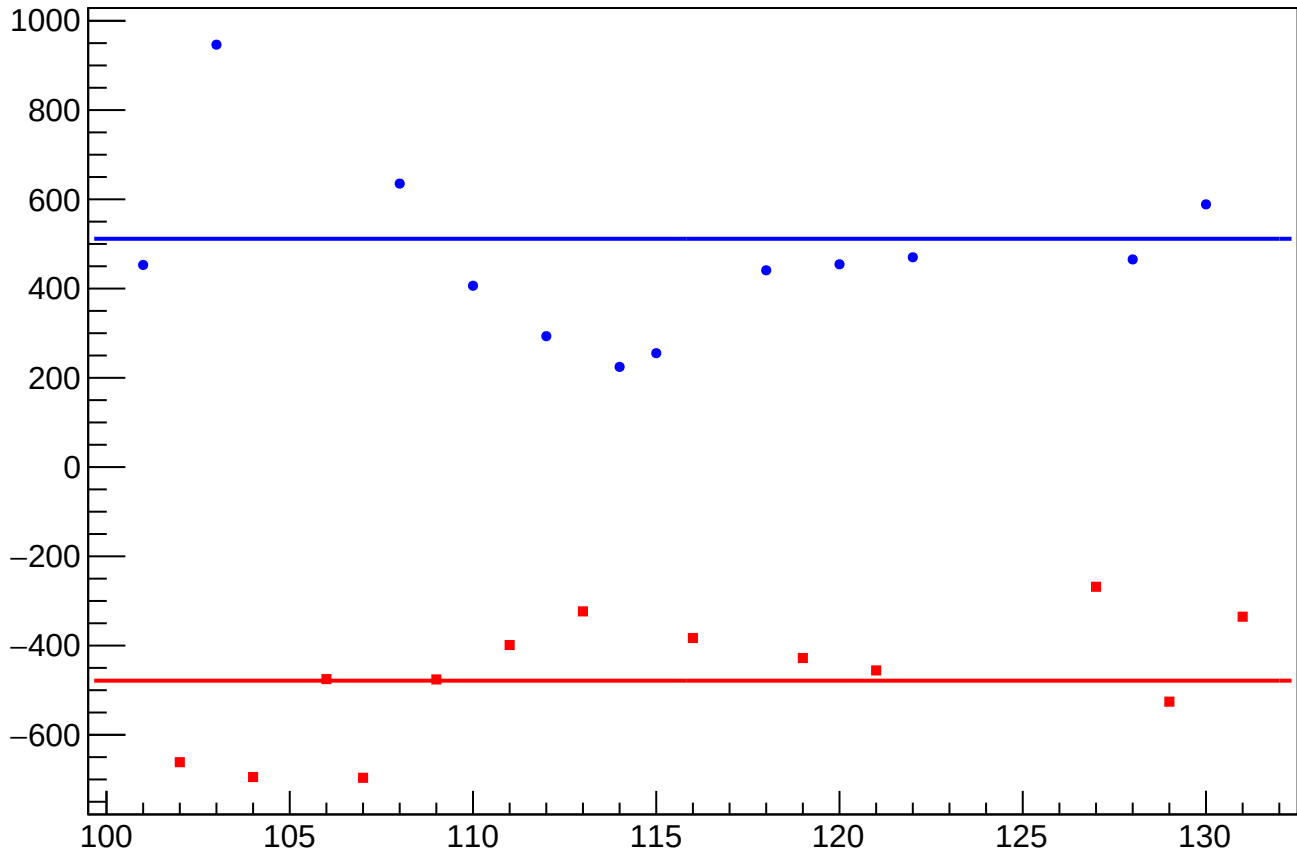
-1053.521+/-0.000  $\chi^2/\text{NDF}$ : 671498249645891

dit\_usr\_coil4\_mean vs Slug, Sign Corrected



Right In: 4094.987+/-0.000  $\chi^2/\text{NDF}$ : 285832474816934591727653045977546227712.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -3989.265+/-0.000  $\chi^2/\text{NDF}$ : 305229148727828132504718105668810178560.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_usr\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 511.601+/-0.000  $\chi^2/\text{NDF}$ : 17369096544235808644985807447219240960.0/11

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

511.601+/-0.000  $\chi^2/\text{NDF}$ : 17369096544235808644985807447219240960.0/11

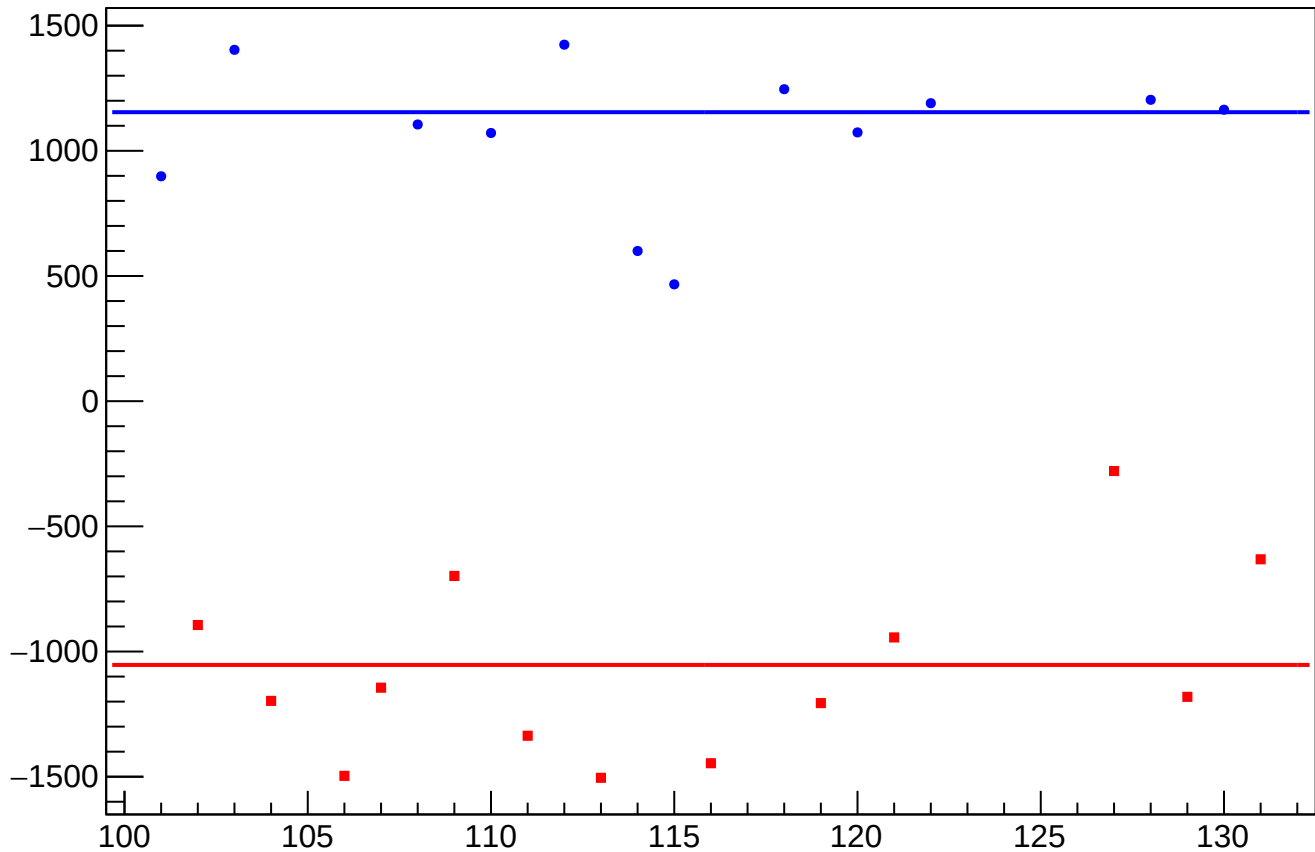
-10.213+/-0.000  $\chi^2/\text{NDF}$ : 2863062046170

Right Out: -478.627+/-0.000  $\chi^2/\text{NDF}$ : 10579827986484630987739406808140218368.0/12

-478.627+/-0.000  $\chi^2/\text{NDF}$ : 10579827986484630987739406808140218368.0/12

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

dit\_usr\_coil4\_Ndata\_mean vs Slug, Sign Corrected



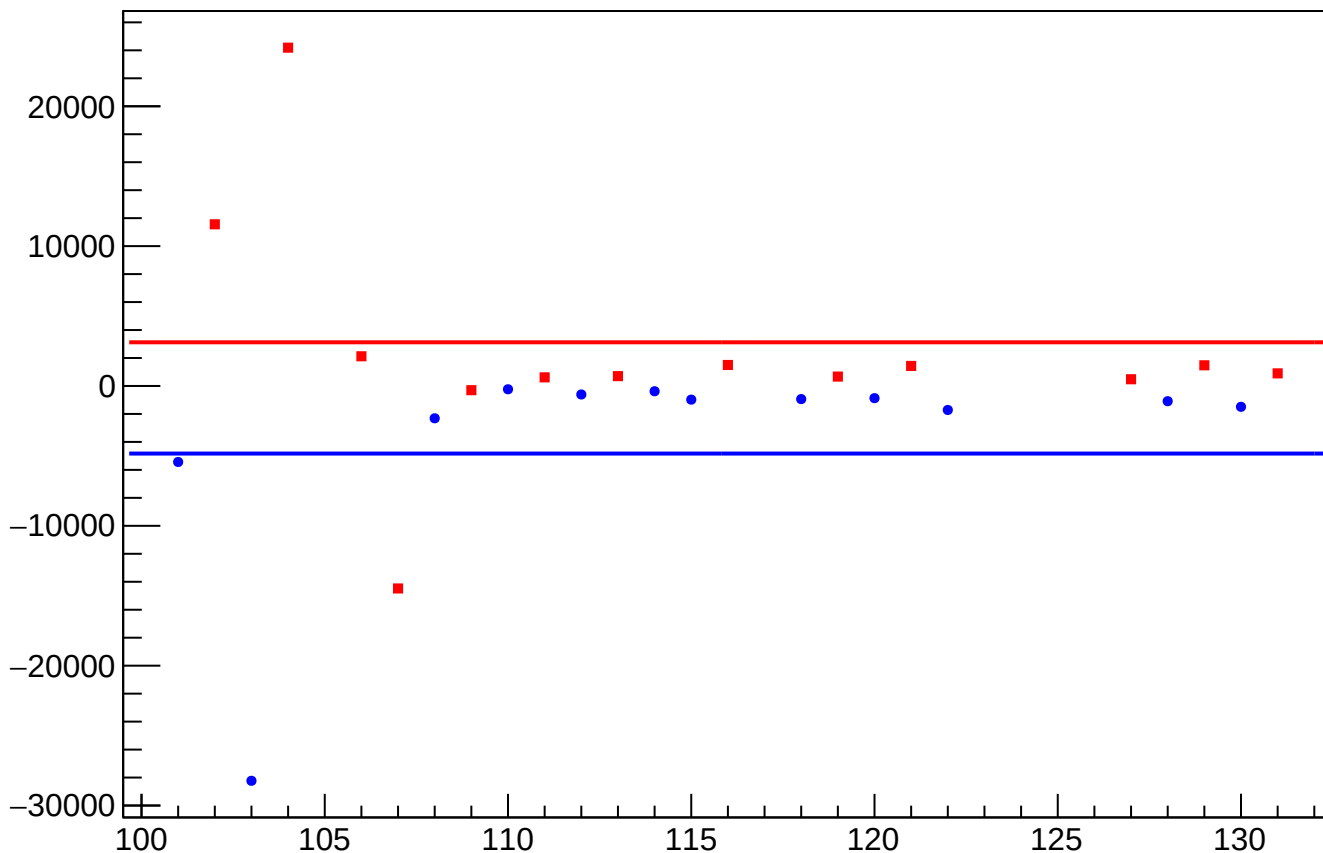
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

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

# dit\_atl1\_coil4\_mean vs Slug, Sign Corrected



Right In: -4832.765+/-0.000  $\chi^2/\text{NDF}$ : 37701324937623363844237071833070024261632.0/11

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

Right Out: 3123.046+/-0.000  $\chi^2/\text{NDF}$ : 40185805514656614574272467727967947063296.0/12

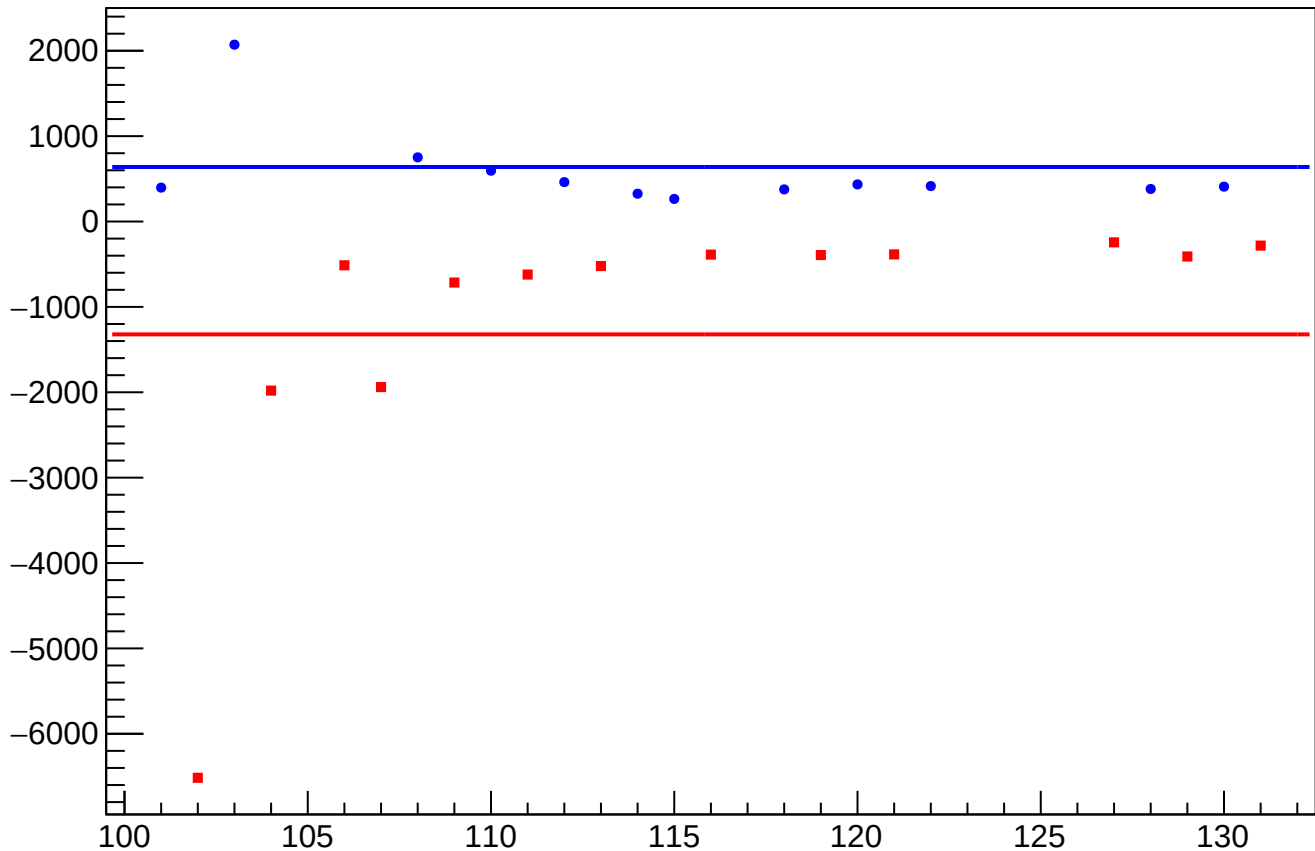
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4832.765+/-0.000  $\chi^2/\text{NDF}$ : 37701324937623363844237071833070024261632.0/11

-640.346+/-0.000  $\chi^2/\text{NDF}$ : 945641798005.0/1

3123.046+/-0.000  $\chi^2/\text{NDF}$ : 40185805514656614574272467727967947063296.0/12

dit\_atl1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 638.535+/-0.000     $\chi^2/\text{NDF}$ : 142971566485424272599903240801147158528.0/11

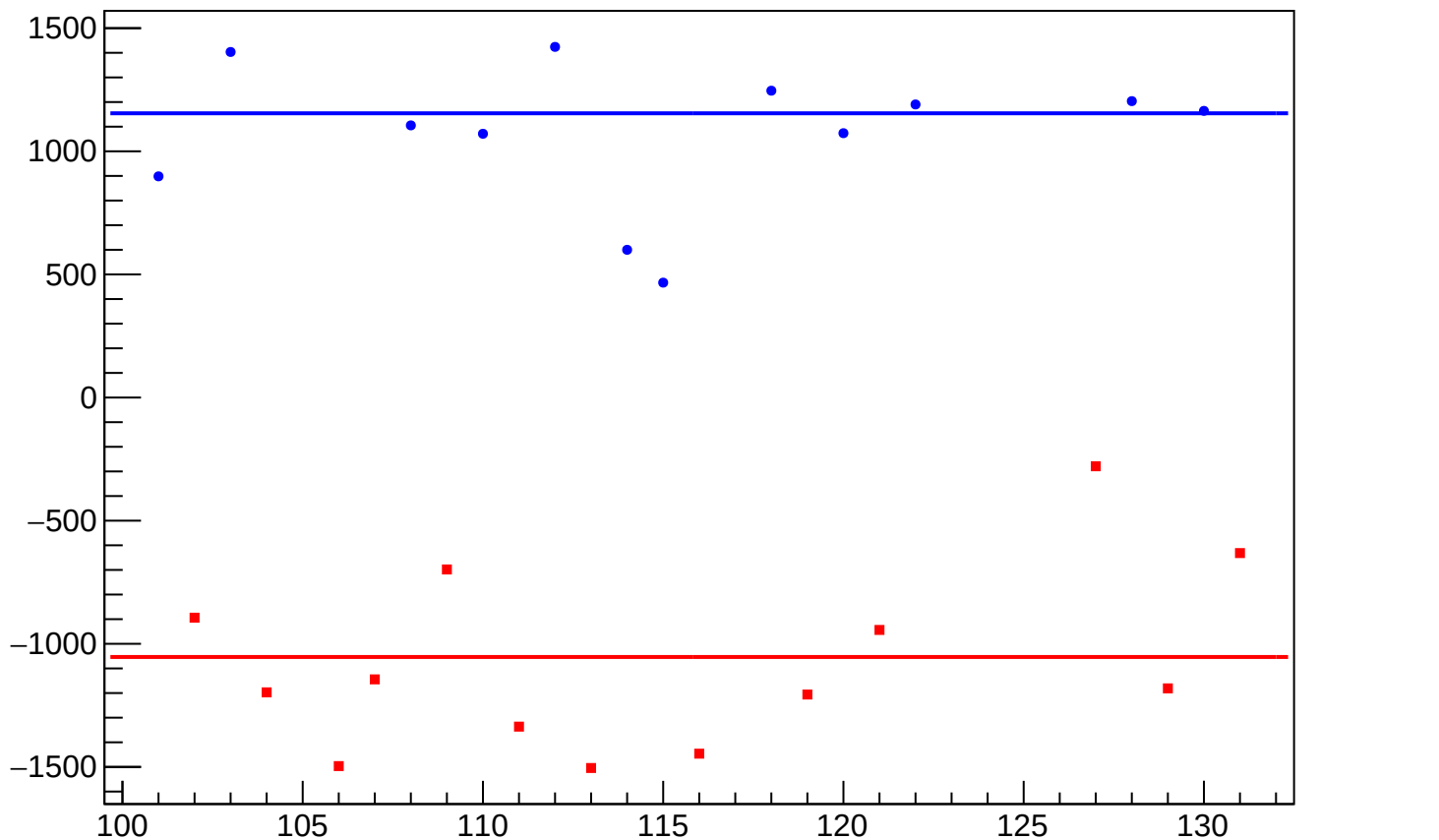
Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ :0.0/0

Right Out: -1321.853+/-0.000  $\chi^2/\text{NDF}$ : 1918247951687828661839136290571561205760.0/12

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



dit\_atl1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



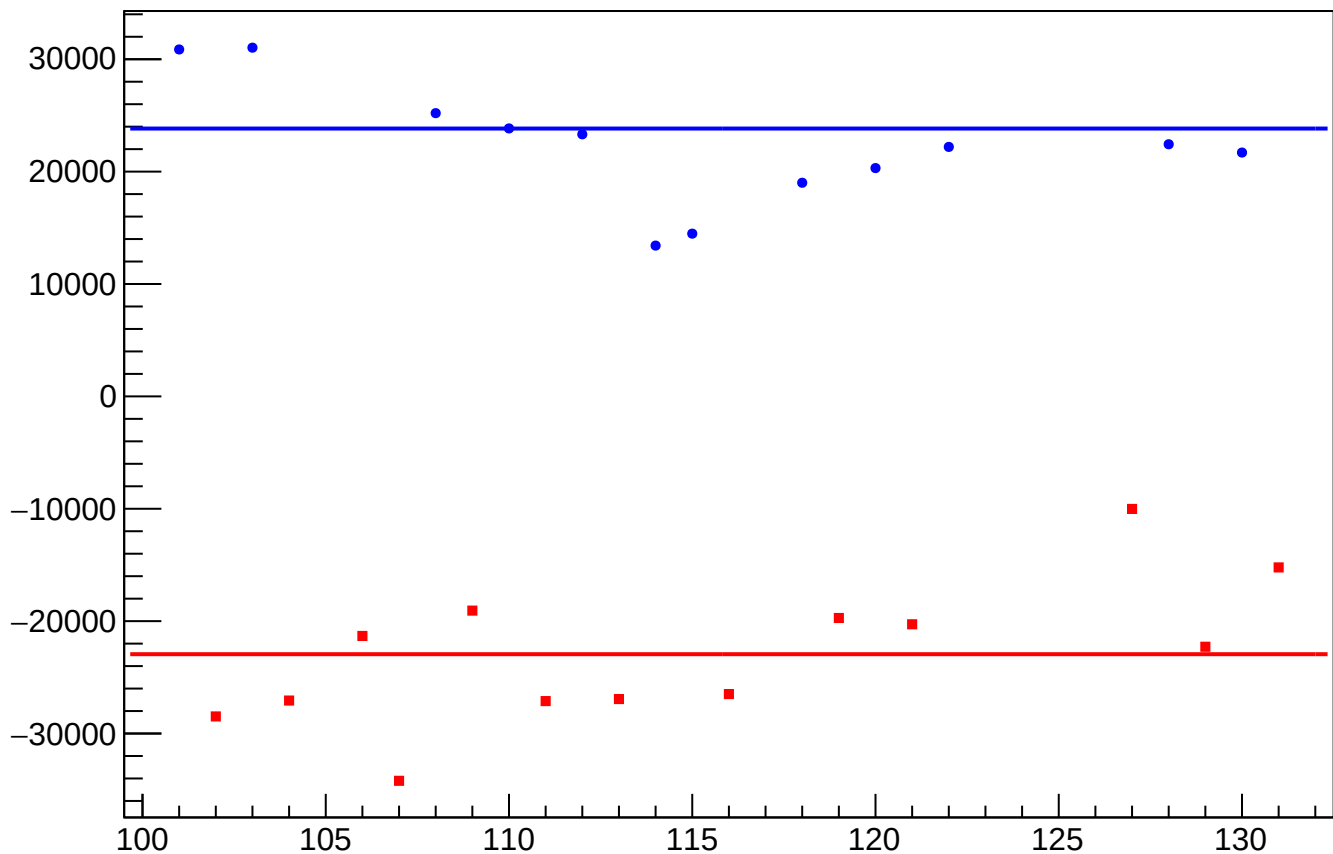
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

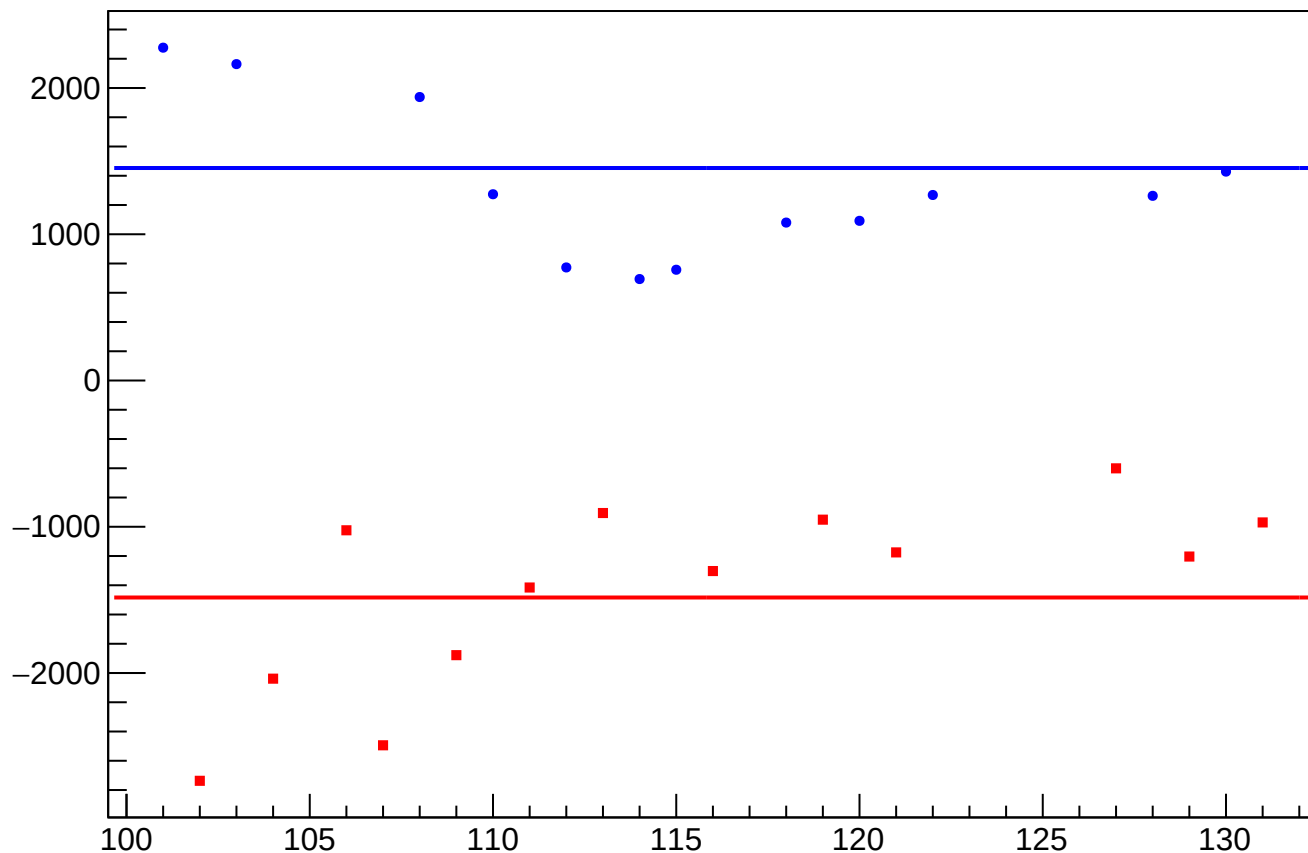
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil4\_mean vs Slug, Sign Corrected



Right In: 23832.751+/-0.000  $\chi^2/\text{NDF}$ : 10513804247203148038866391644649841229824.0/11  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -22941.079+/-0.000  $\chi^2/\text{NDF}$ : 20176433544111468935036570190819182510080.0/12  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1452.981+/-0.000  $\chi^2/\text{NDF}$ : 130820666743667646365993478094648770560.0/11

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

Right Out: -1483.683+/-0.000  $\chi^2/\text{NDF}$ : 239732807933306775677002151631045787648.0/12

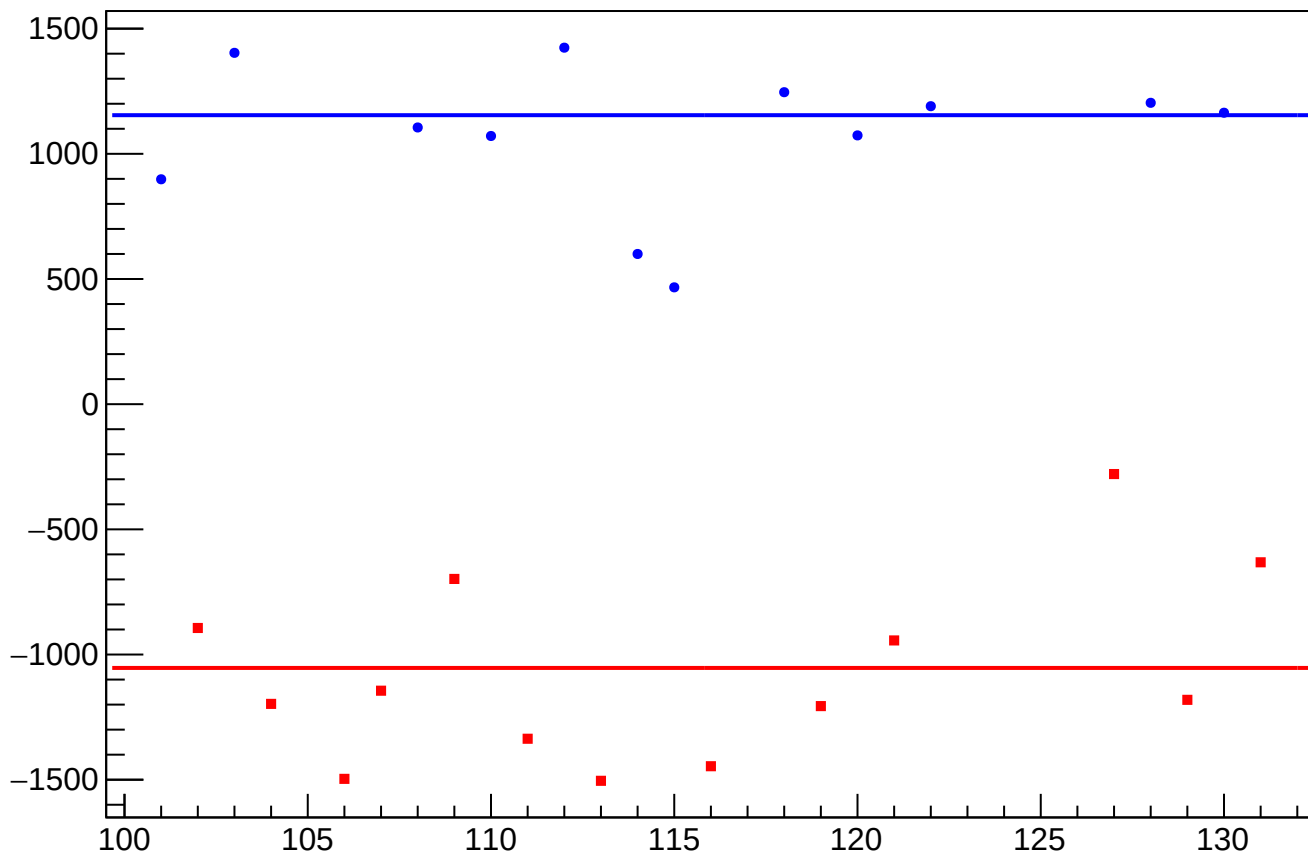
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1452.981+/-0.000  $\chi^2/\text{NDF}$ : 1308206667436676

-94.533+/-0.000  $\chi^2/\text{NDF}$ : 264281756976

-1483.683+/-0.000  $\chi^2/\text{NDF}$ : 239732807933306

dit\_atl2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

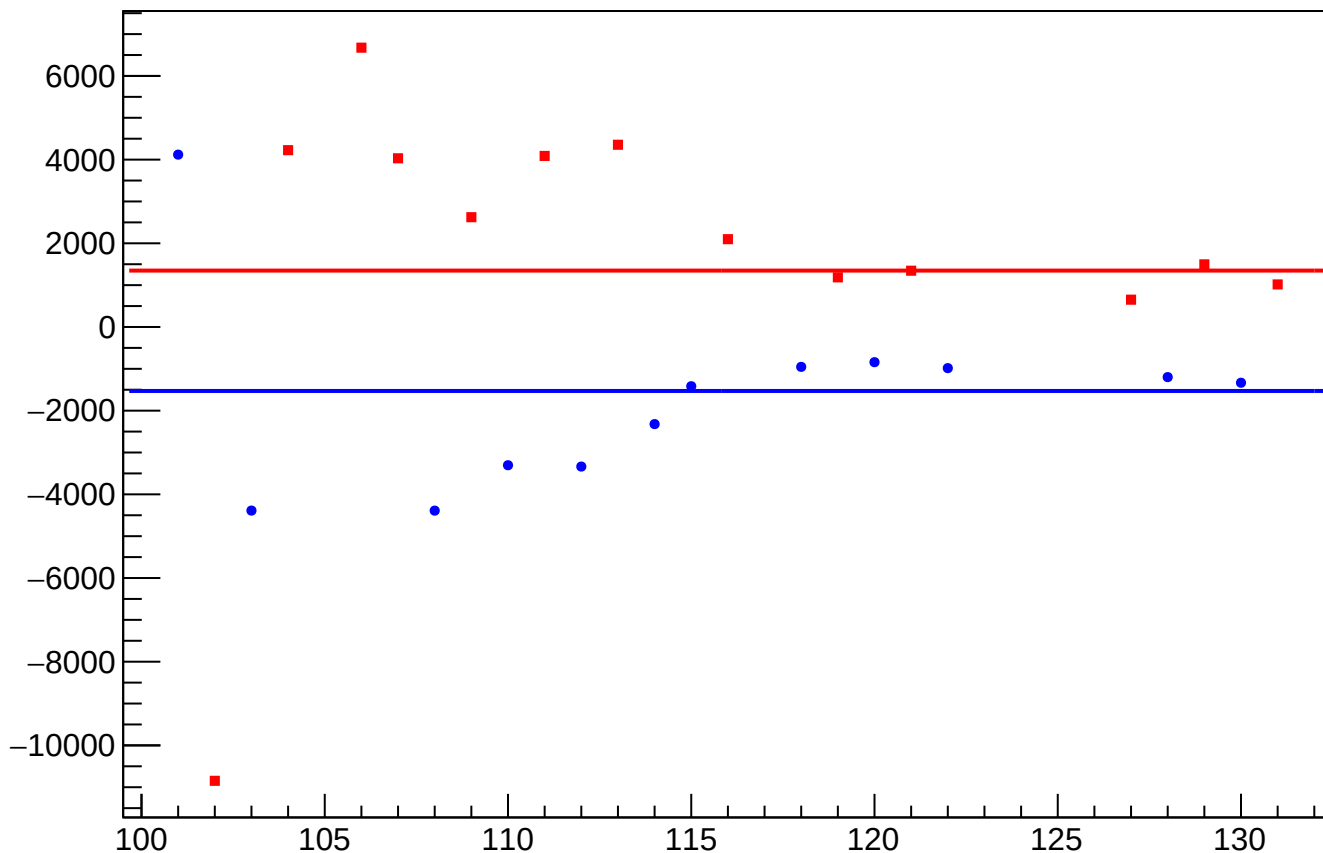
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1154.344+/-0.000  $\chi^2/\text{NDF}$ : 2171491269008131

-9.119+/-0.000  $\chi^2/\text{NDF}$ : 13732493767902

-1053.521+/-0.000  $\chi^2/\text{NDF}$ : 671498249645891

# dit\_atr1\_coil4\_mean vs Slug, Sign Corrected



Right In: -1529.182+/-0.000  $\chi^2/\text{NDF}$ : 3010727311838682185000253583089796644864.0/11

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

Right Out: 1348.007+/-0.000  $\chi^2/\text{NDF}$ : 11058036353649957002011374358930726584320.0/12

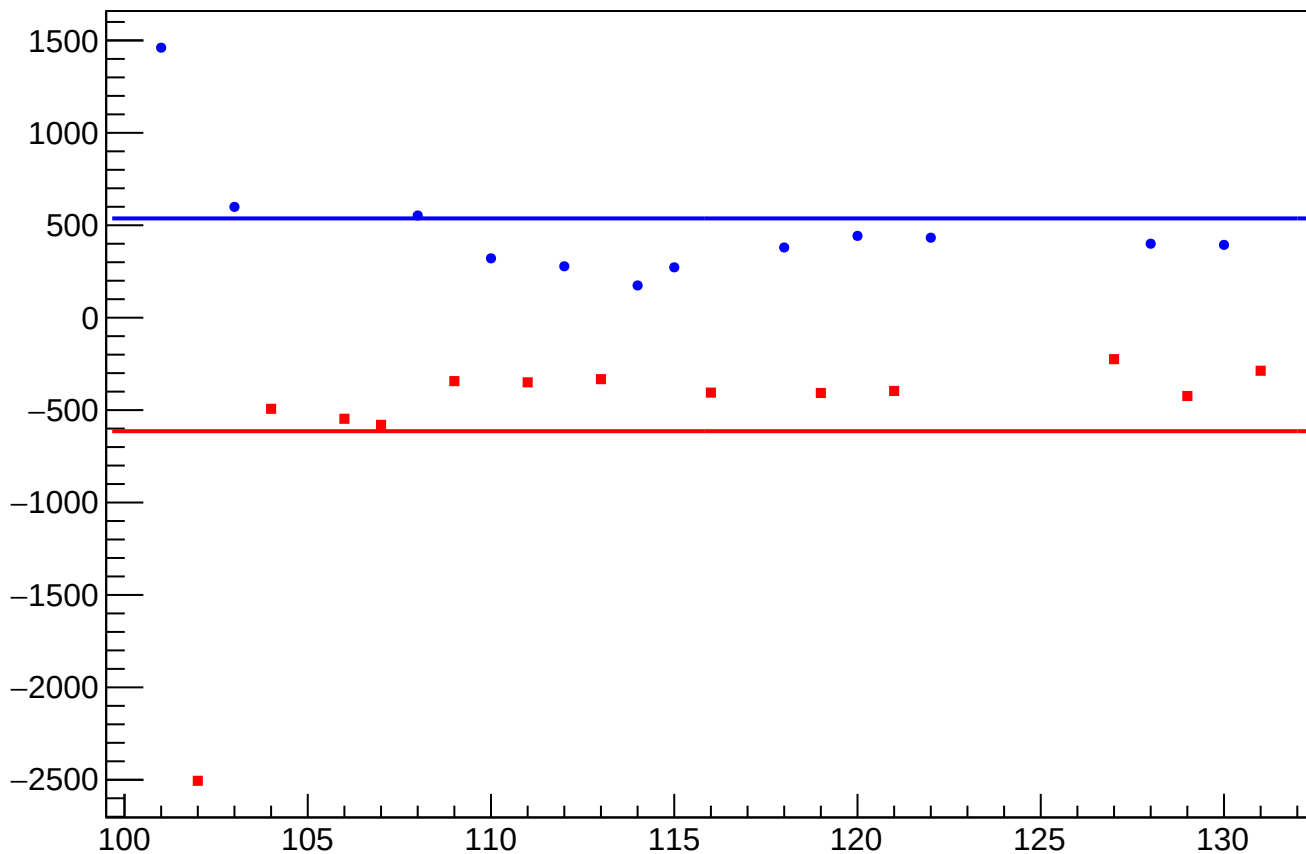
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1529.182+/-0.000  $\chi^2/\text{NDF}$ : 301072731183868

-13.010+/-0.000  $\chi^2/\text{NDF}$ : 162499219095

1348.007+/-0.000  $\chi^2/\text{NDF}$ : 1105803635364995

# dit\_atr1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 537.081+/-0.000  $\chi^2/\text{NDF}$ : 62130426379755784759537405691825225728.0/11

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

Right Out: -614.002+/-0.000  $\chi^2/\text{NDF}$ : 236202890262926848012229601368465211392.0/12

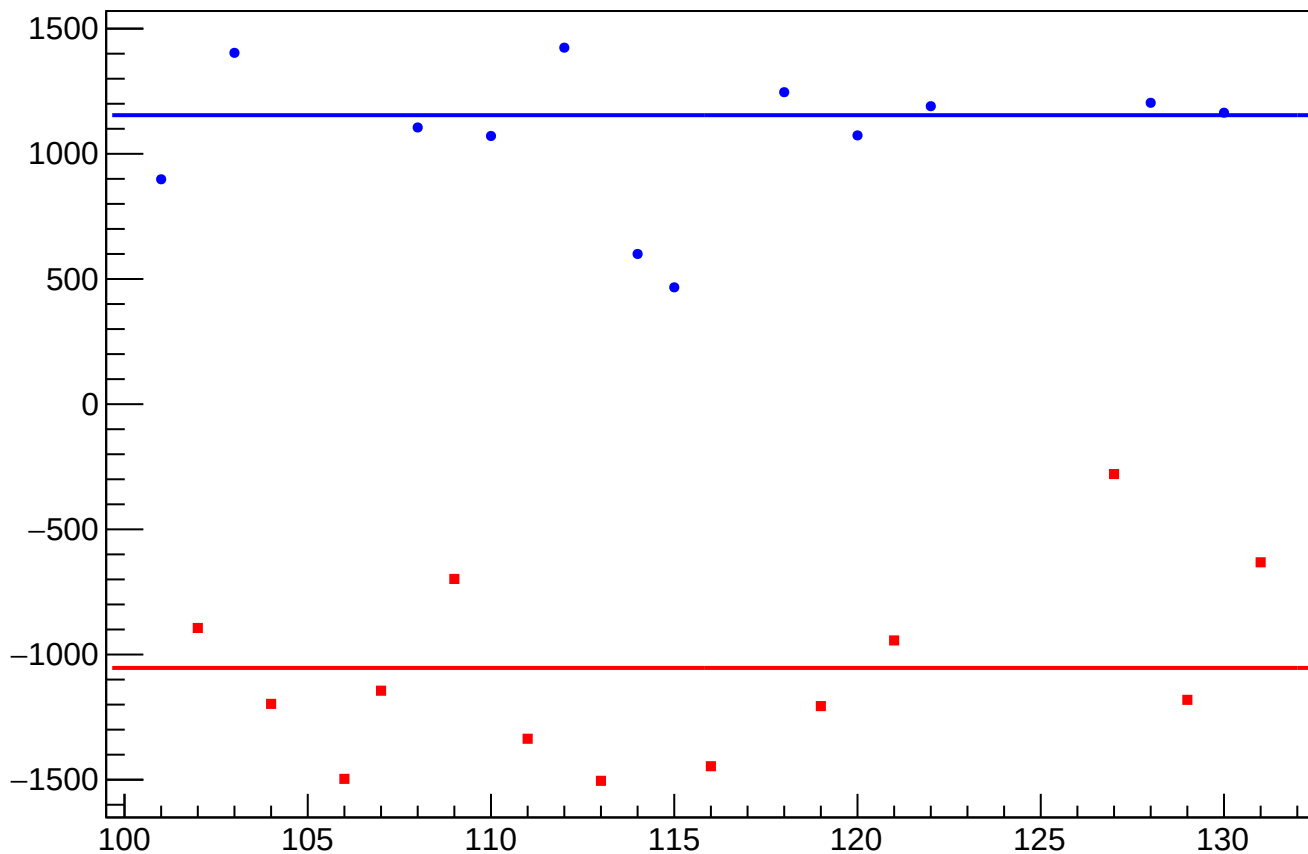
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

537.081+/-0.000  $\chi^2/\text{NDF}$ : 62130426379755784759537405691825225728.0/11

-69.497+/-0.000  $\chi^2/\text{NDF}$ : 647444581944.0/1

-614.002+/-0.000  $\chi^2/\text{NDF}$ : 236202890262926848012229601368465211392.0/12

dit\_atr1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

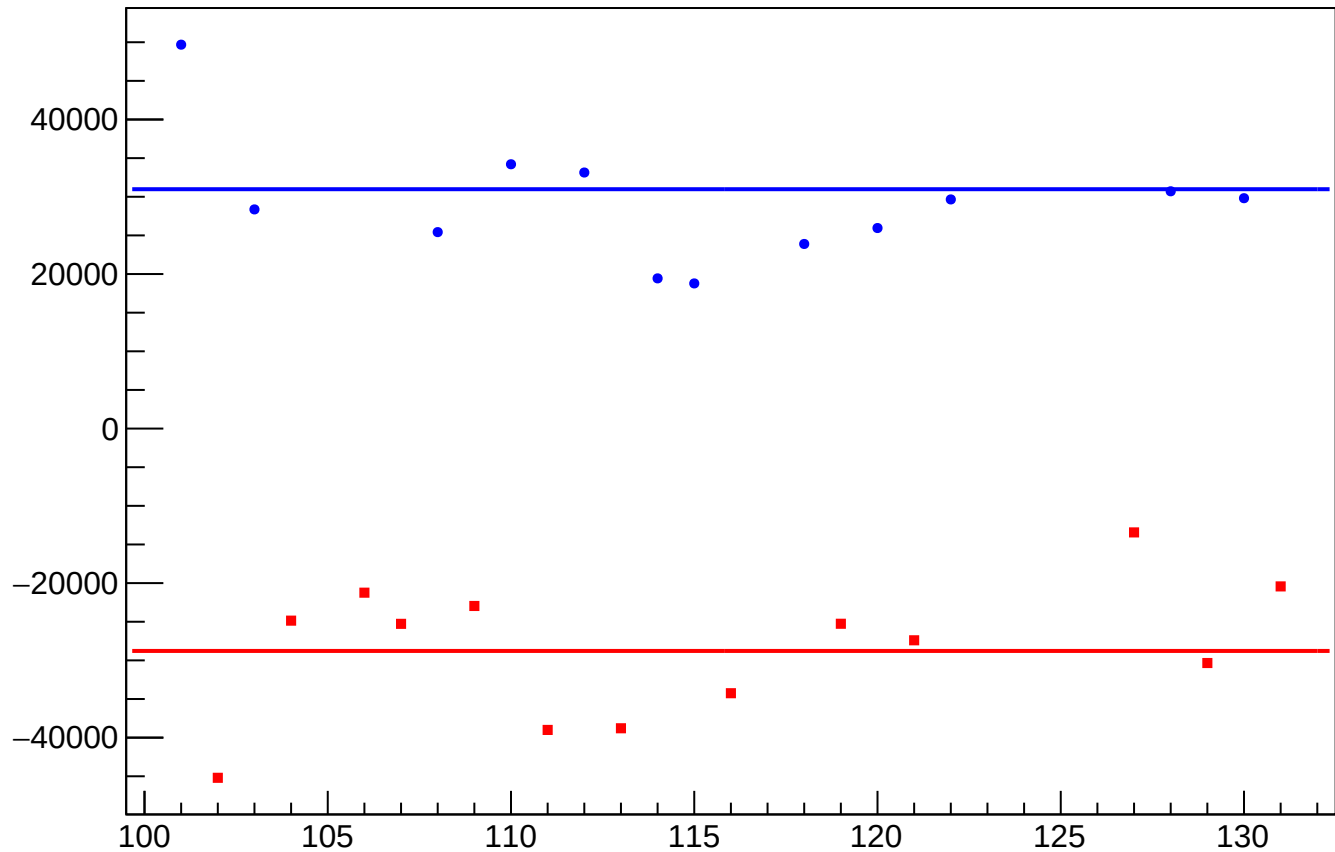
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

-9.119+/-0.000  $\chi^2/\text{NDF}$ : 13732493767902.0/12

-1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

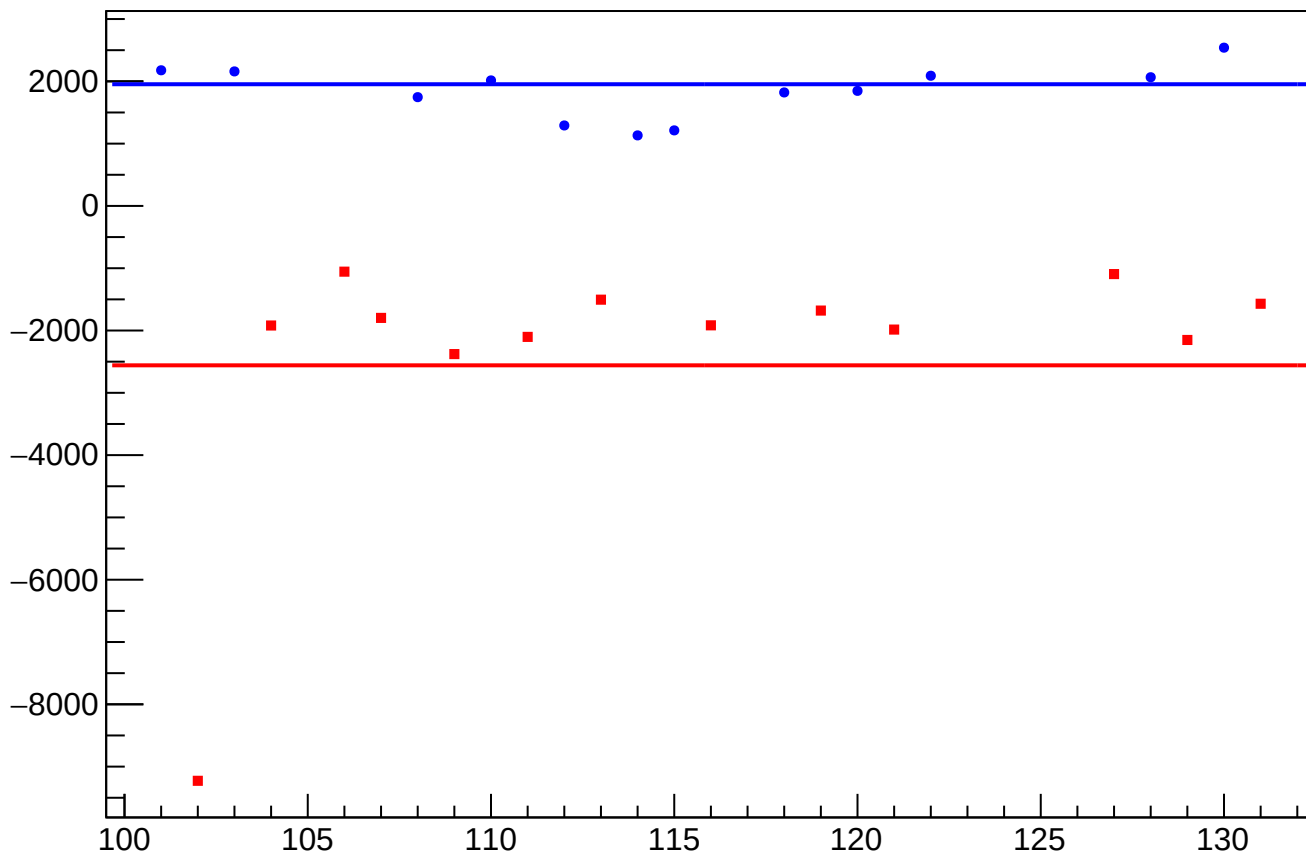
# dit\_atr2\_coil4\_mean vs Slug, Sign Corrected



Right In: 30978.640 $\pm$ 0.000  $\chi^2$ /NDF: 29841631695777613086650988585025401782272.0/11  
Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Right Out: -28778.632 $\pm$ 0.000  $\chi^2$ /NDF: 43925641762866057683479334872083228262400.0/12  
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atr2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1953.396+/-0.000  $\chi^2/\text{NDF}$ : 64790264573254666740483962566833340416.0/11

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

Right Out: -2558.658+/-0.000  $\chi^2/\text{NDF}$ : 2953413546618467616332221351550437556224.0/12

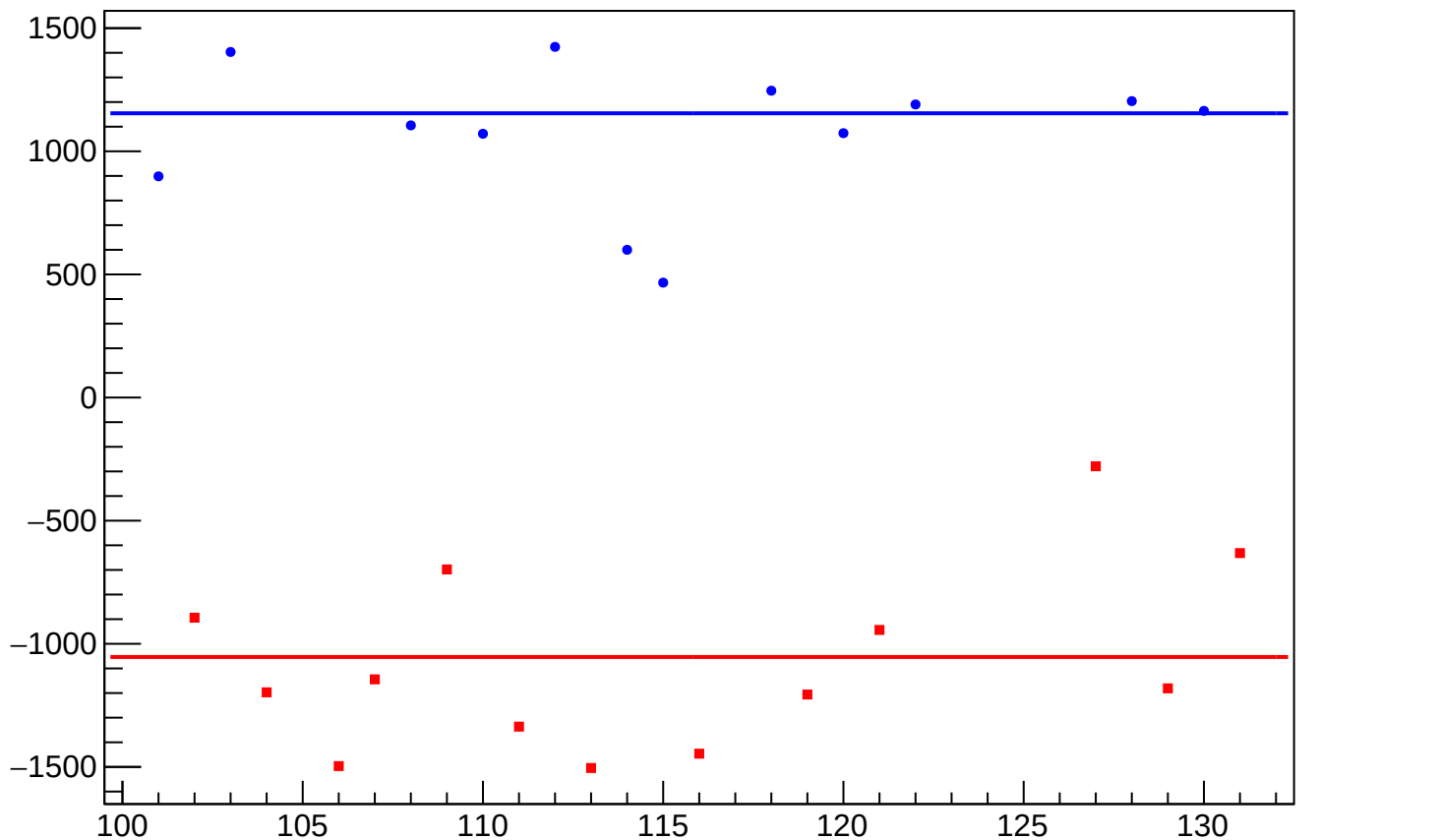
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1953.396+/-0.000  $\chi^2/\text{NDF}$ : 6479026457325466

-424.290+/-0.000  $\chi^2/\text{NDF}$ : 83823274964

-2558.658+/-0.000  $\chi^2/\text{NDF}$ : 295341354661846

dit\_atr2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



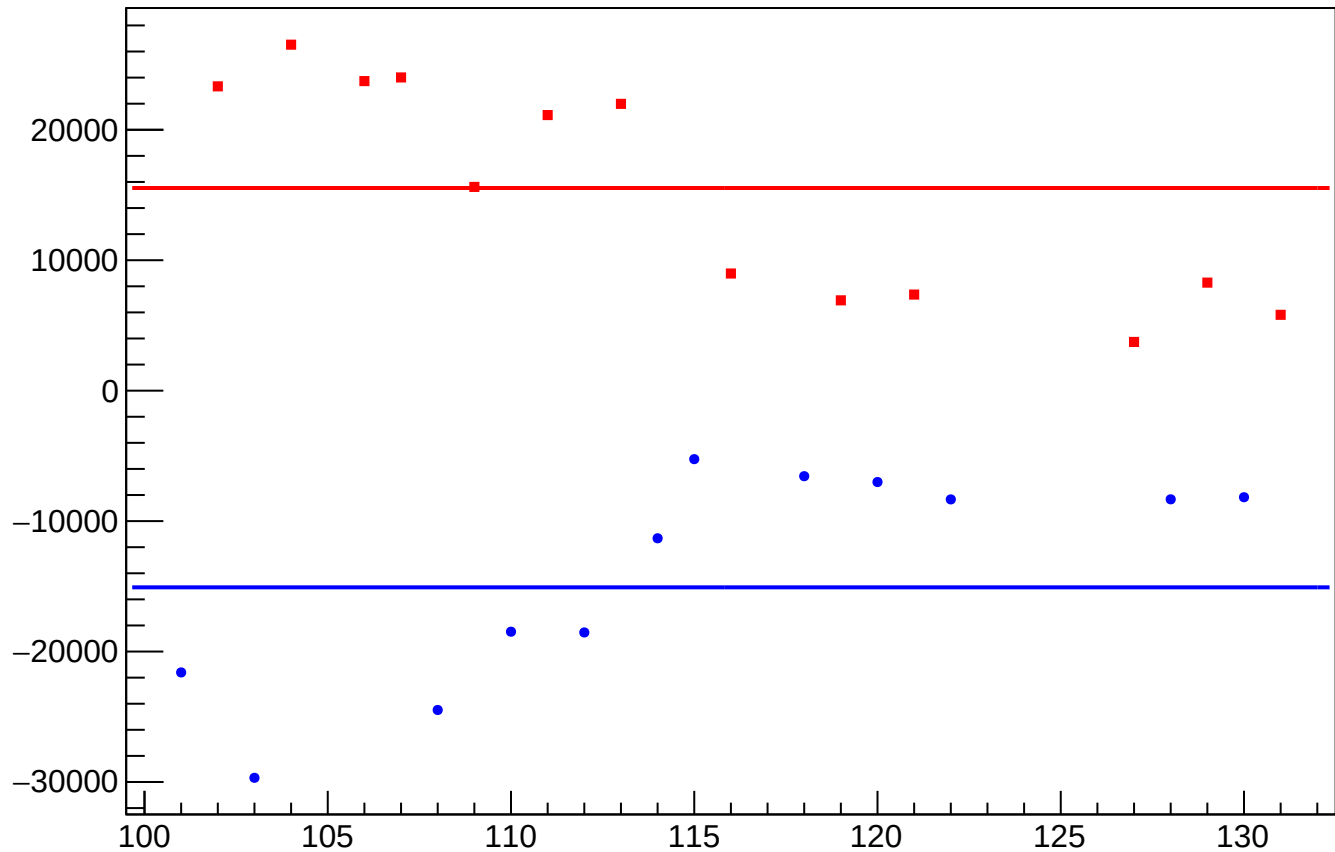
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

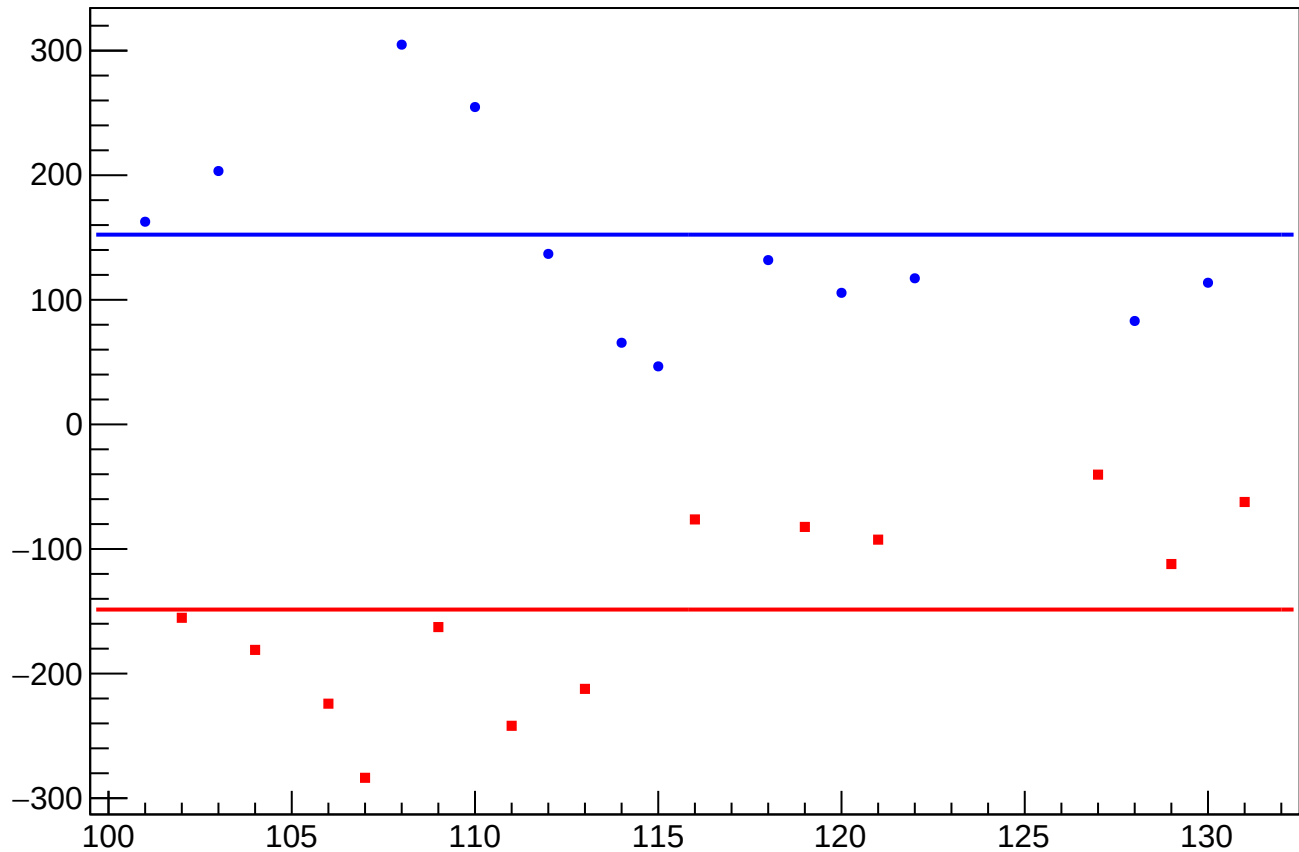
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil4\_mean vs Slug, Sign Corrected



Right In:  $-15077.162 \pm 0.000$   $\chi^2/\text{NDF}$ : 33689951756217168583406410187558321389568.0/11  
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out:  $15537.001 \pm 0.000$   $\chi^2/\text{NDF}$ : 37006387854480355457662963822040065245184.0/12  
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil4\_err\_mean vs Slug, Sign Corrected



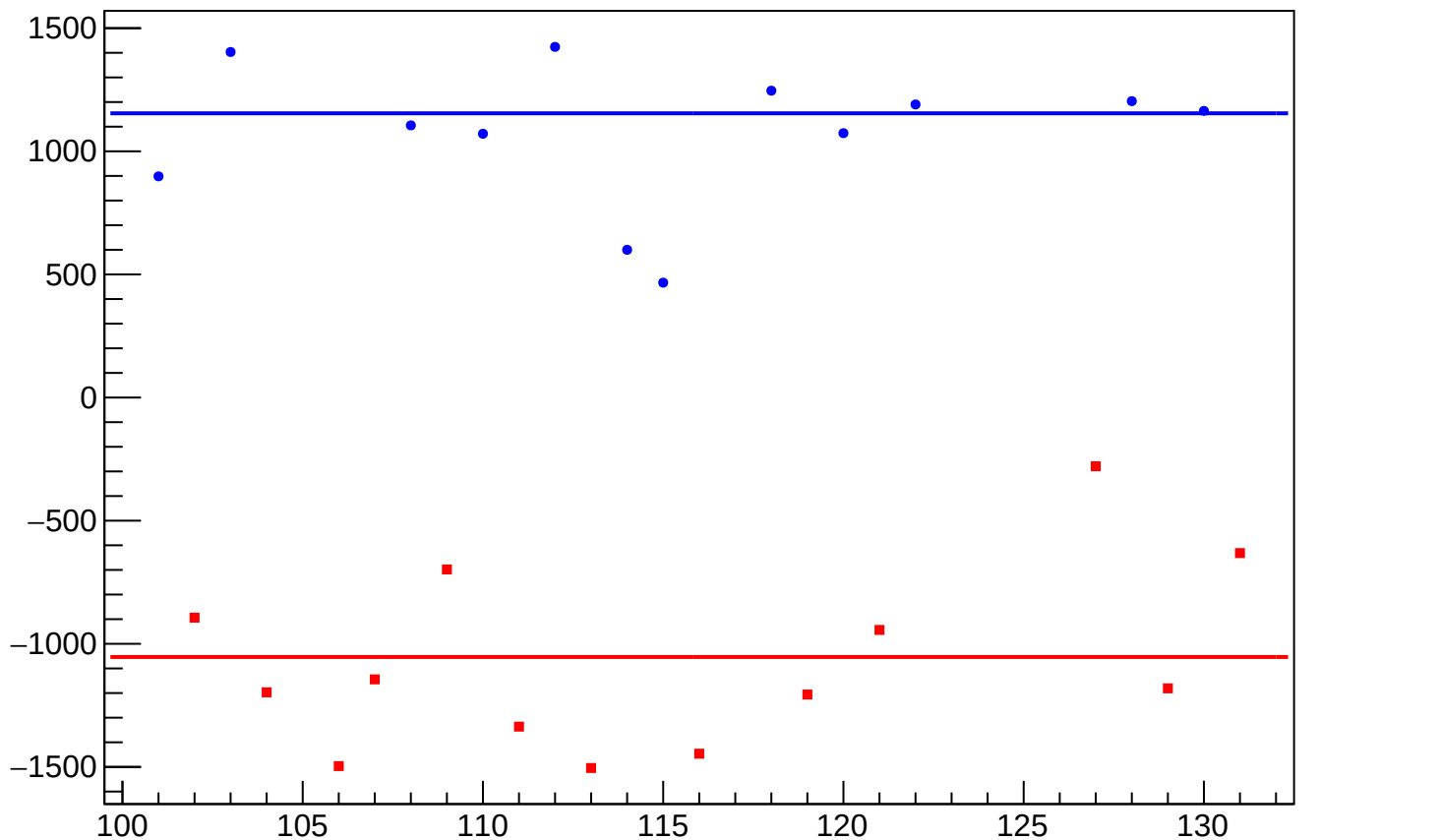
Right In: 152.312+/-0.000  $\chi^2/\text{NDF}$ : 2133879001841008489485661019356266496.0/11

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

Right Out: -148.605+/-0.000  $\chi^2/\text{NDF}$ : 2800061093050702801794542895605219328.0/12

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

dit\_sam1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

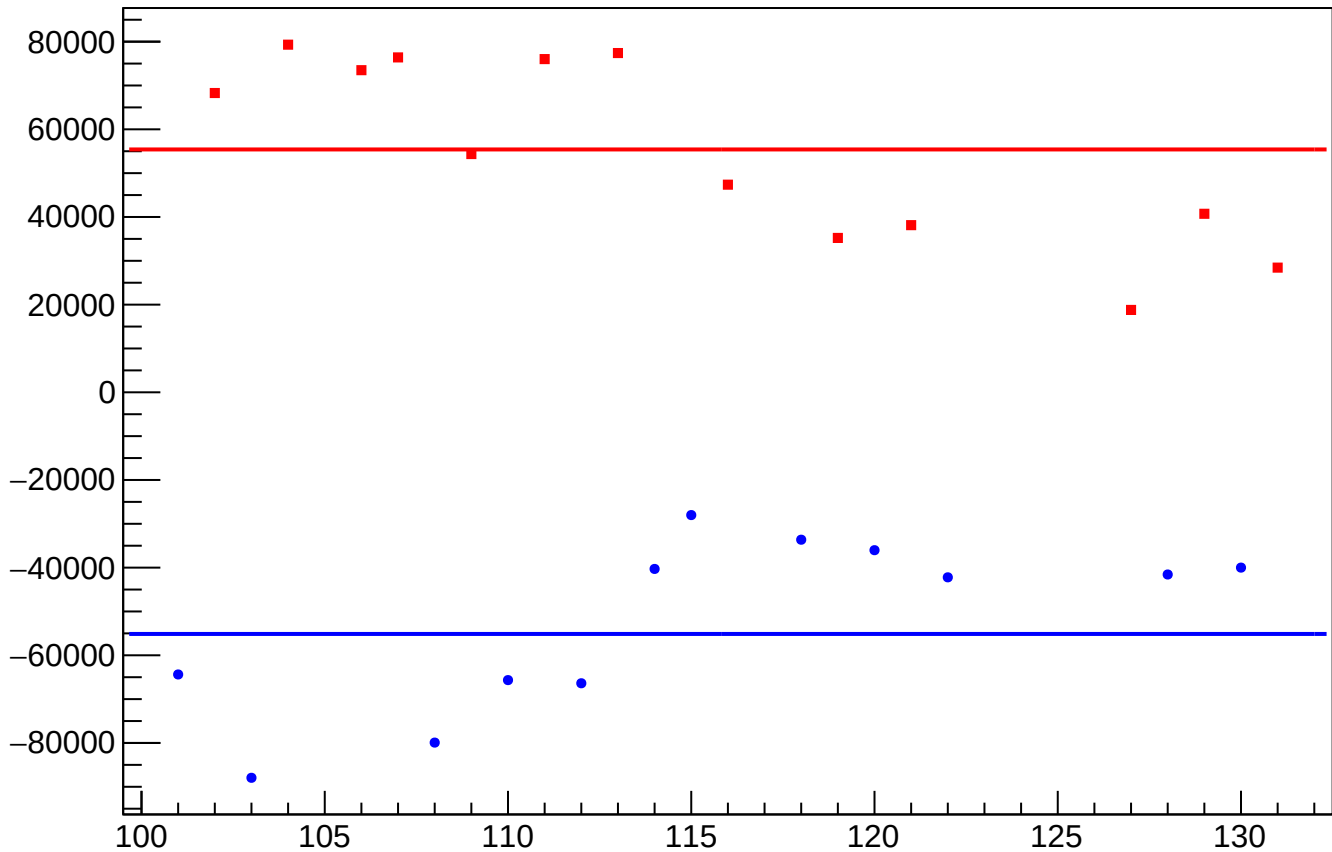
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1154.344+/-0.000  $\chi^2/\text{NDF}$ : 2171491269008131

-9.119+/-0.000  $\chi^2/\text{NDF}$ : 13732493767902

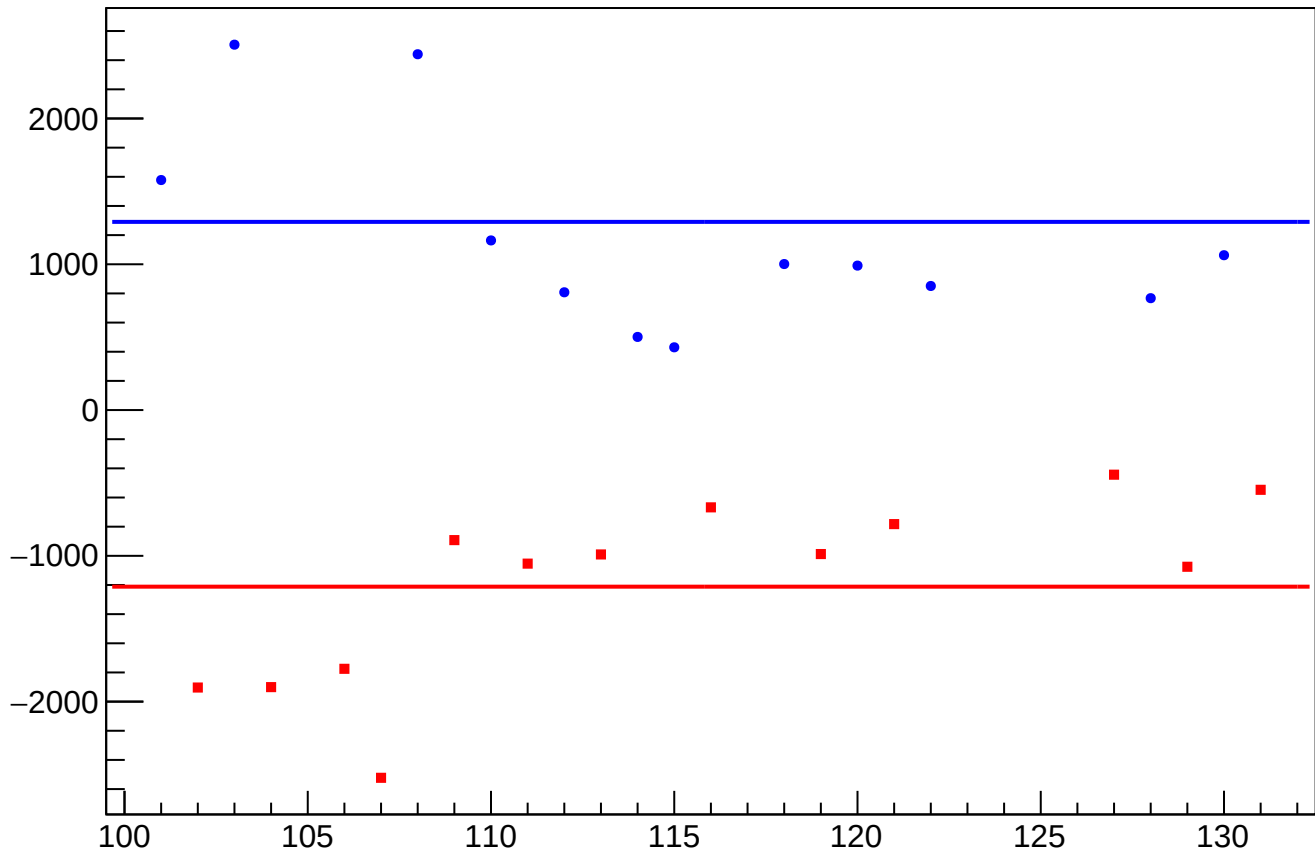
-1053.521+/-0.000  $\chi^2/\text{NDF}$ : 671498249645891

dit\_sam2\_coil4\_mean vs Slug, Sign Corrected



Right In: -55130.573+/-0.000  $\chi^2/\text{NDF}$ : 179351628668194657605475915780830806409216.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 55407.312+/-0.000  $\chi^2/\text{NDF}$ : 234604689193543247869747310335366661144576.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1290.821+/-0.000  $\chi^2/\text{NDF}$ : 203875196003176245432129067456892239872.0/11

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

Right Out: -1211.529+/-0.000  $\chi^2/\text{NDF}$ : 192666753041380766236456816068070998016.0/12

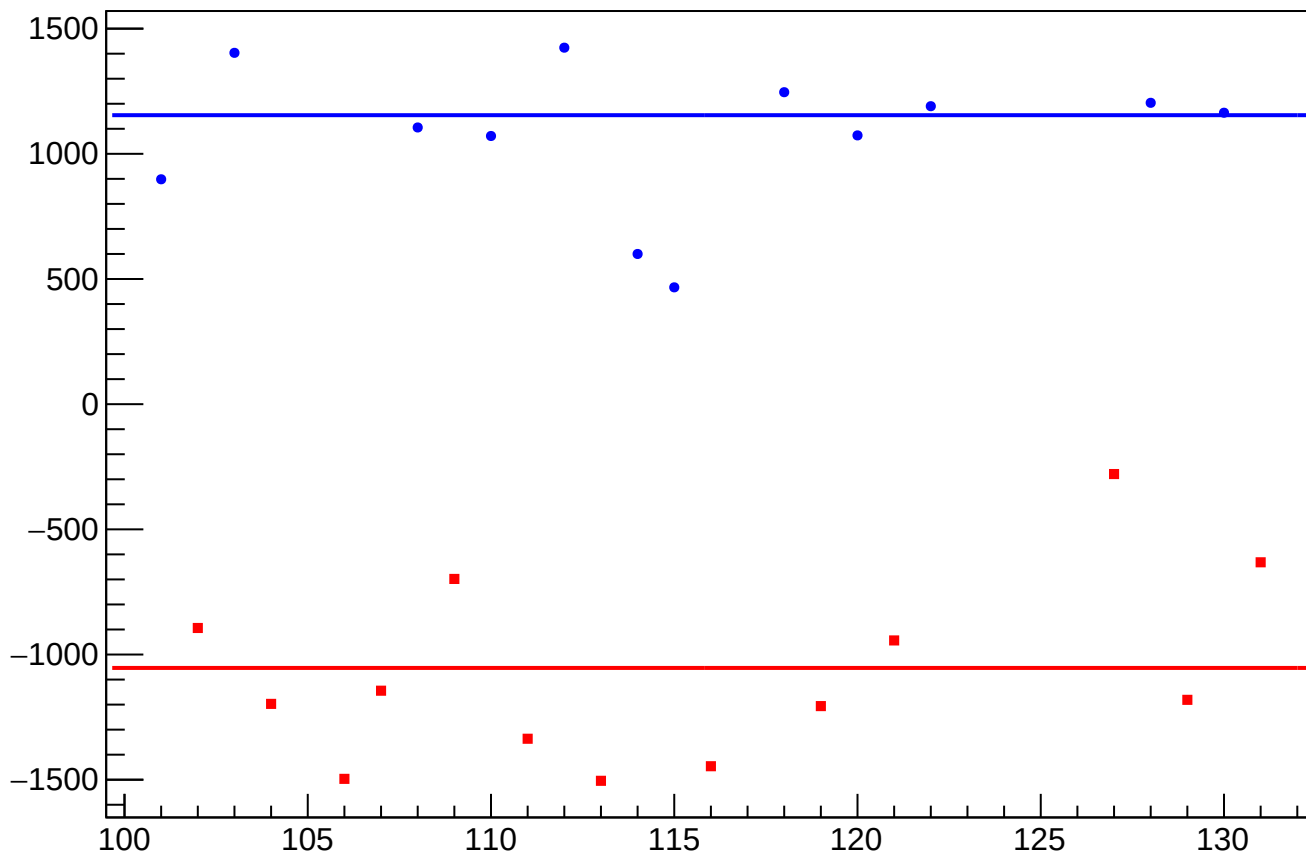
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1290.821+/-0.000  $\chi^2/\text{NDF}$ : 2038751960031762

-27.825+/-0.000  $\chi^2/\text{NDF}$ : 204639841568

-1211.529+/-0.000  $\chi^2/\text{NDF}$ : 192666753041380

dit\_sam2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

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

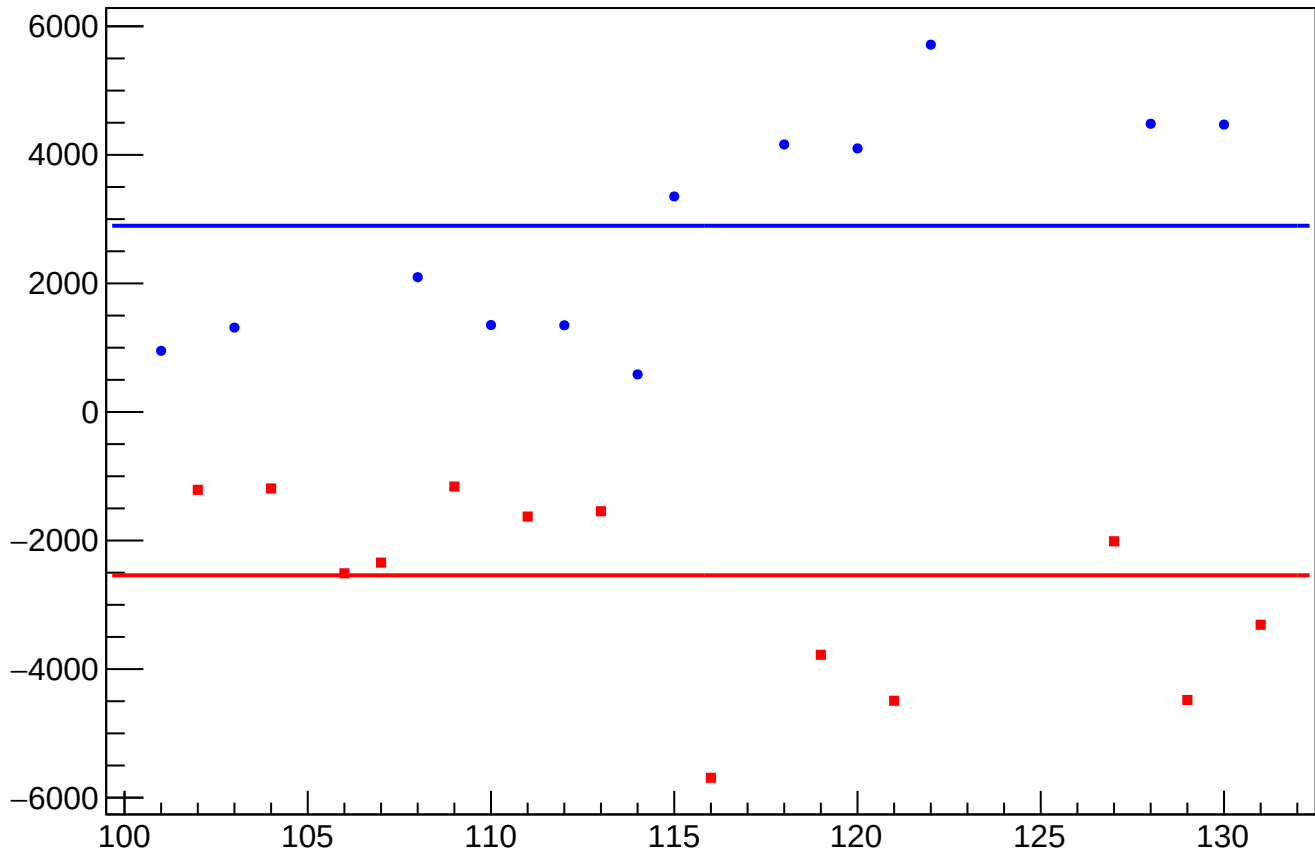
1154.344+/-0.000  $\chi^2/\text{NDF}$ : 2171491269008131

-9.119+/-0.000  $\chi^2/\text{NDF}$ : 13732493767902

-1053.521+/-0.000  $\chi^2/\text{NDF}$ : 671498249645891

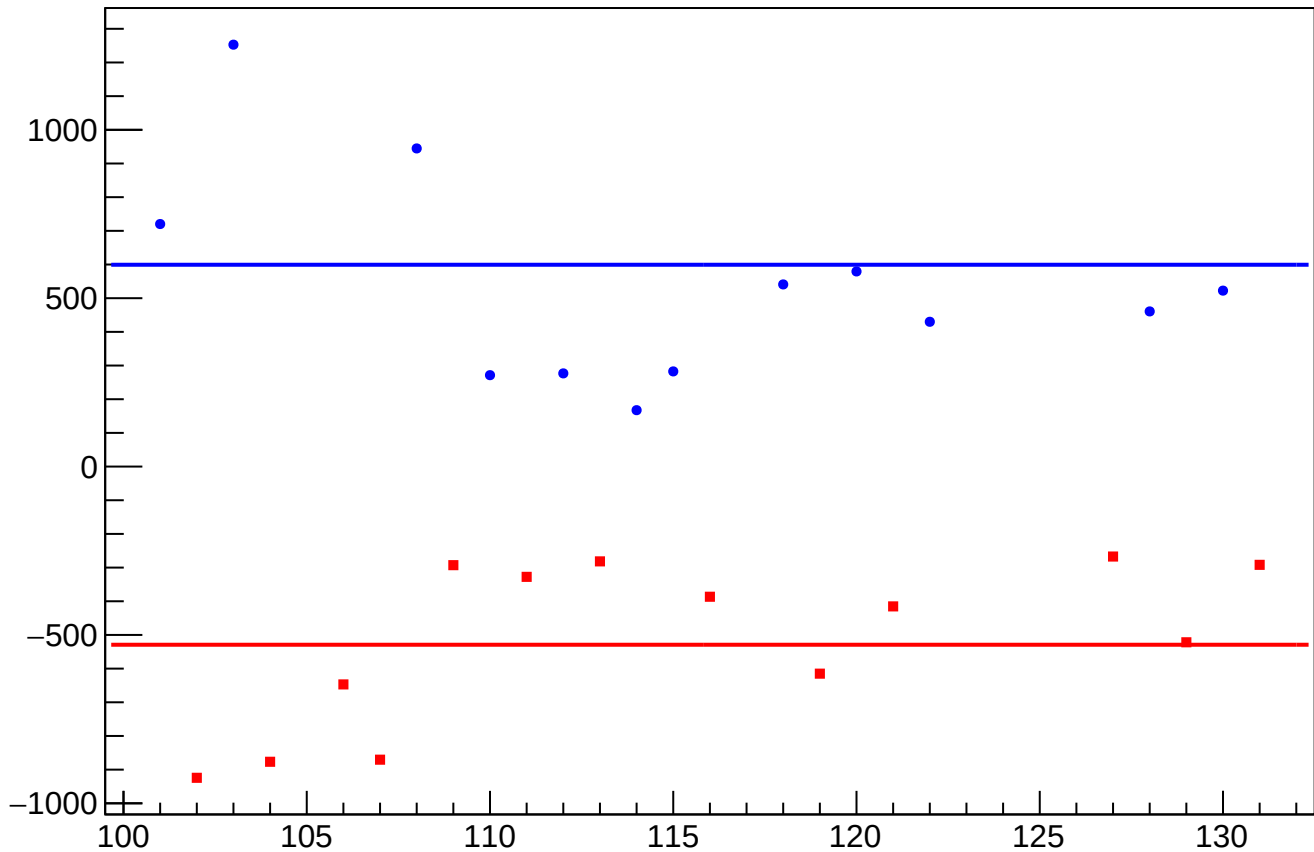


dit\_sam3\_coil4\_mean vs Slug, Sign Corrected



Right In: 2897.212+/-0.000  $\chi^2/\text{NDF}$ : 1392333046884958048840955650142946459648.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -2540.461+/-0.000  $\chi^2/\text{NDF}$ : 1055579112314476657334782169711346974720.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil4\_err\_mean vs Slug, Sign Corrected



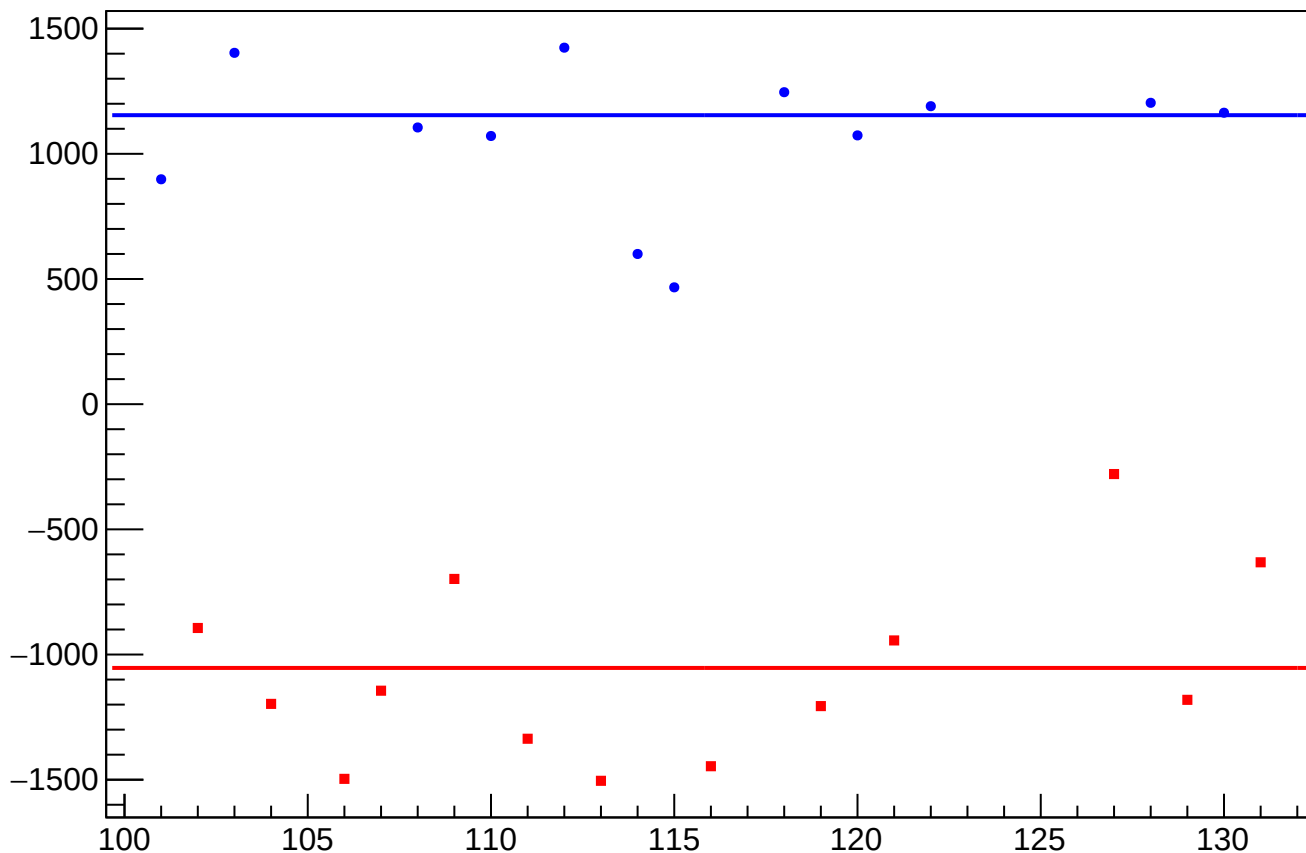
Right In: 599.319+/-0.000  $\chi^2/\text{NDF}$ : 45721748022089006149587664253717839872.0/11

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

Right Out: -529.116+/-0.000  $\chi^2/\text{NDF}$ : 33804742648491346680014405801064005632.0/12

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

dit\_sam3\_coil4\_Ndata\_mean vs Slug, Sign Corrected



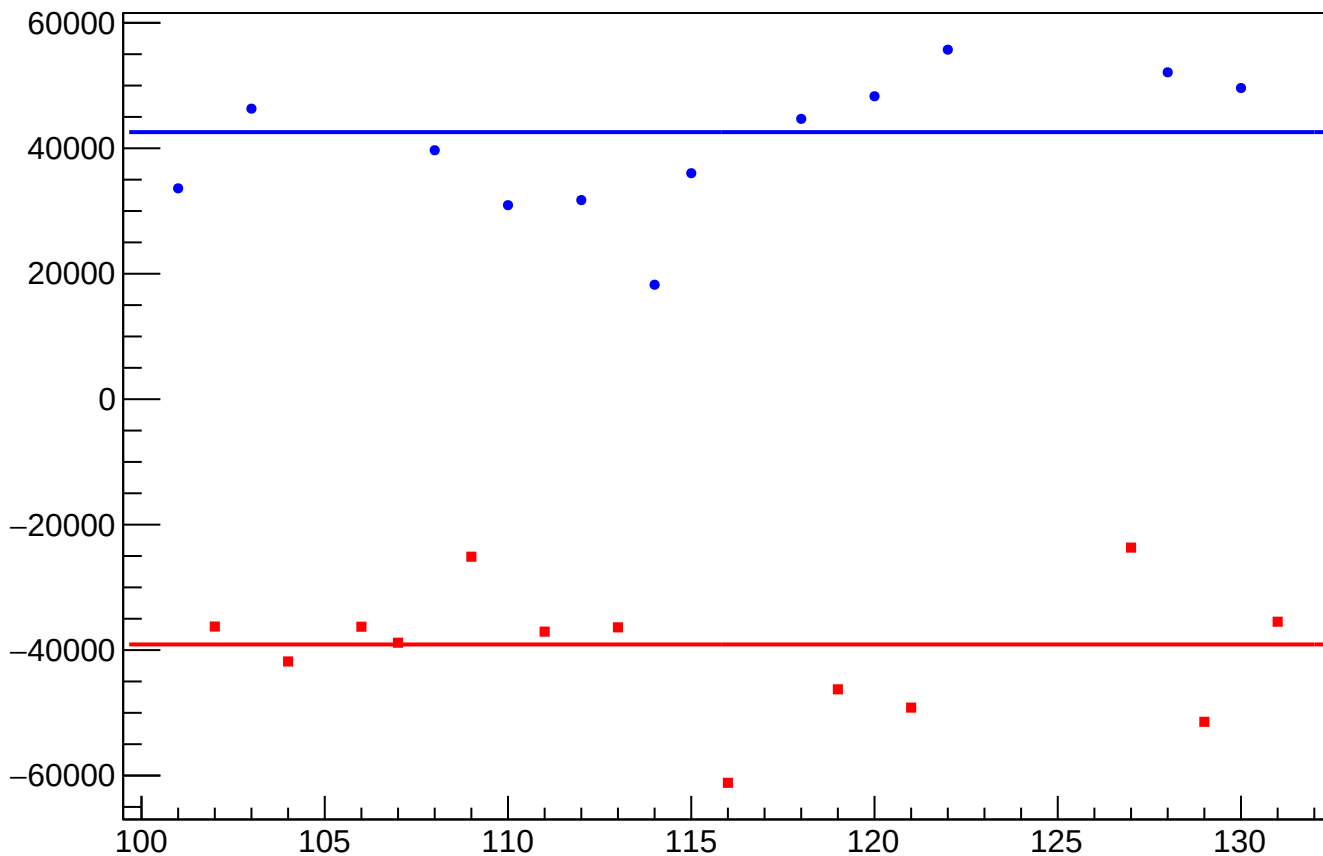
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

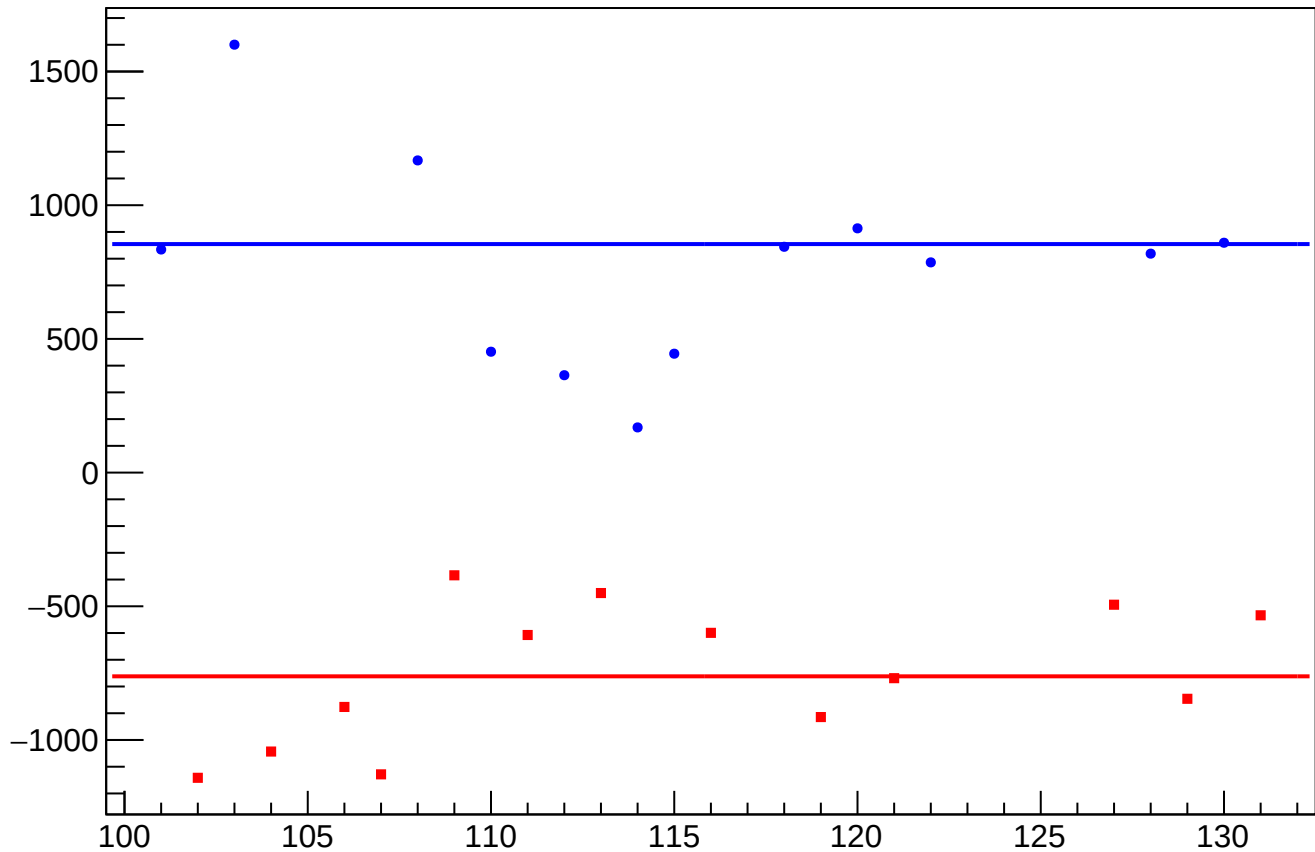
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil4\_mean vs Slug, Sign Corrected



Right In: 42576.149+/-0.000  $\chi^2/\text{NDF}$ : 40104237337283784007344232154167303471104.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -39099.082+/-0.000  $\chi^2/\text{NDF}$ : 48000486345429027830853684444950821863424.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 854.628+/-0.000  $\chi^2/\text{NDF}$ : 62304120607777559098995127236725571584.0/11

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

Right Out: -761.971+/-0.000  $\chi^2/\text{NDF}$ : 37684007585026191541607888049779245056.0/12

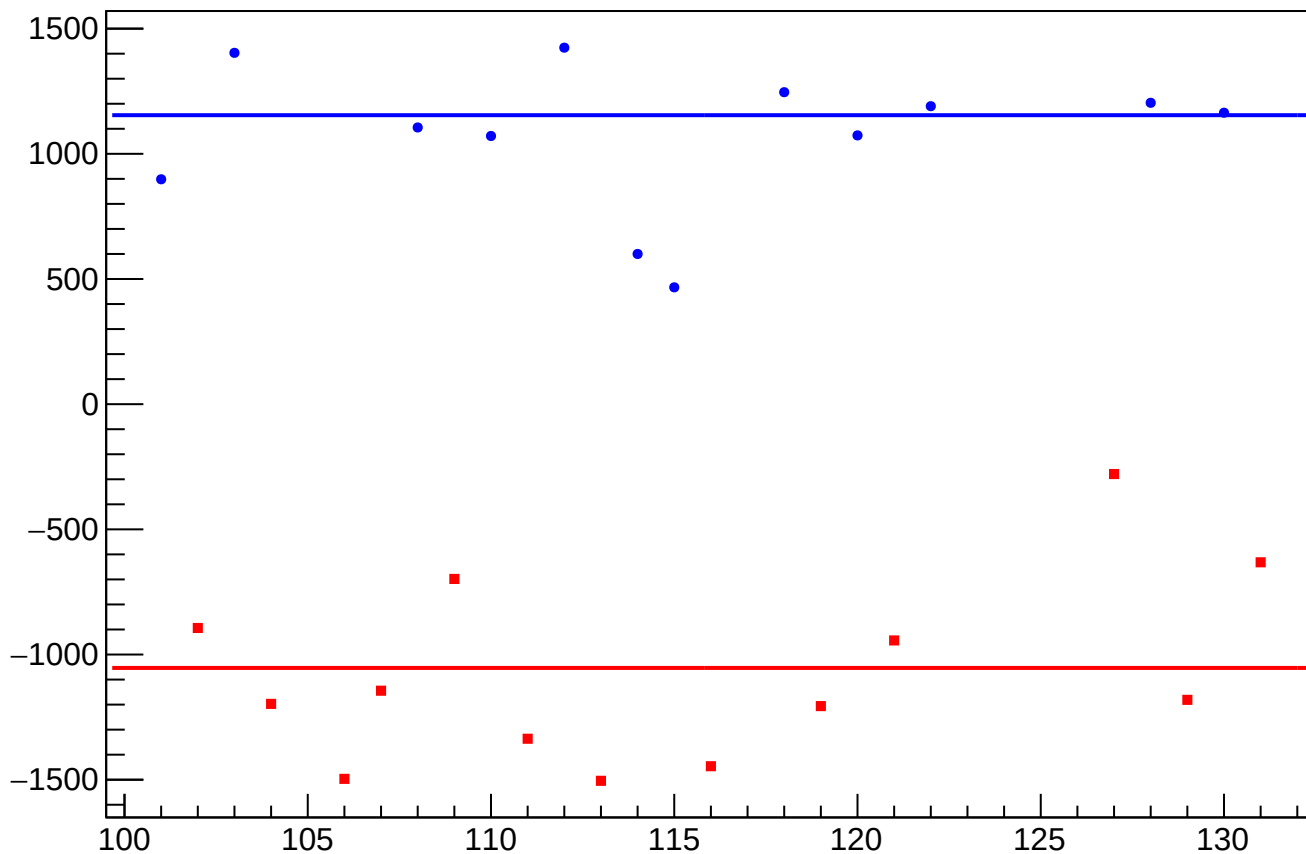
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

854.628+/-0.000  $\chi^2/\text{NDF}$ : 62304120607777559098995127236725571584.0/11

2.740+/-0.000  $\chi^2/\text{NDF}$ : 78856918509702

-761.971+/-0.000  $\chi^2/\text{NDF}$ : 37684007585026191541607888049779245056.0/12

dit\_sam4\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

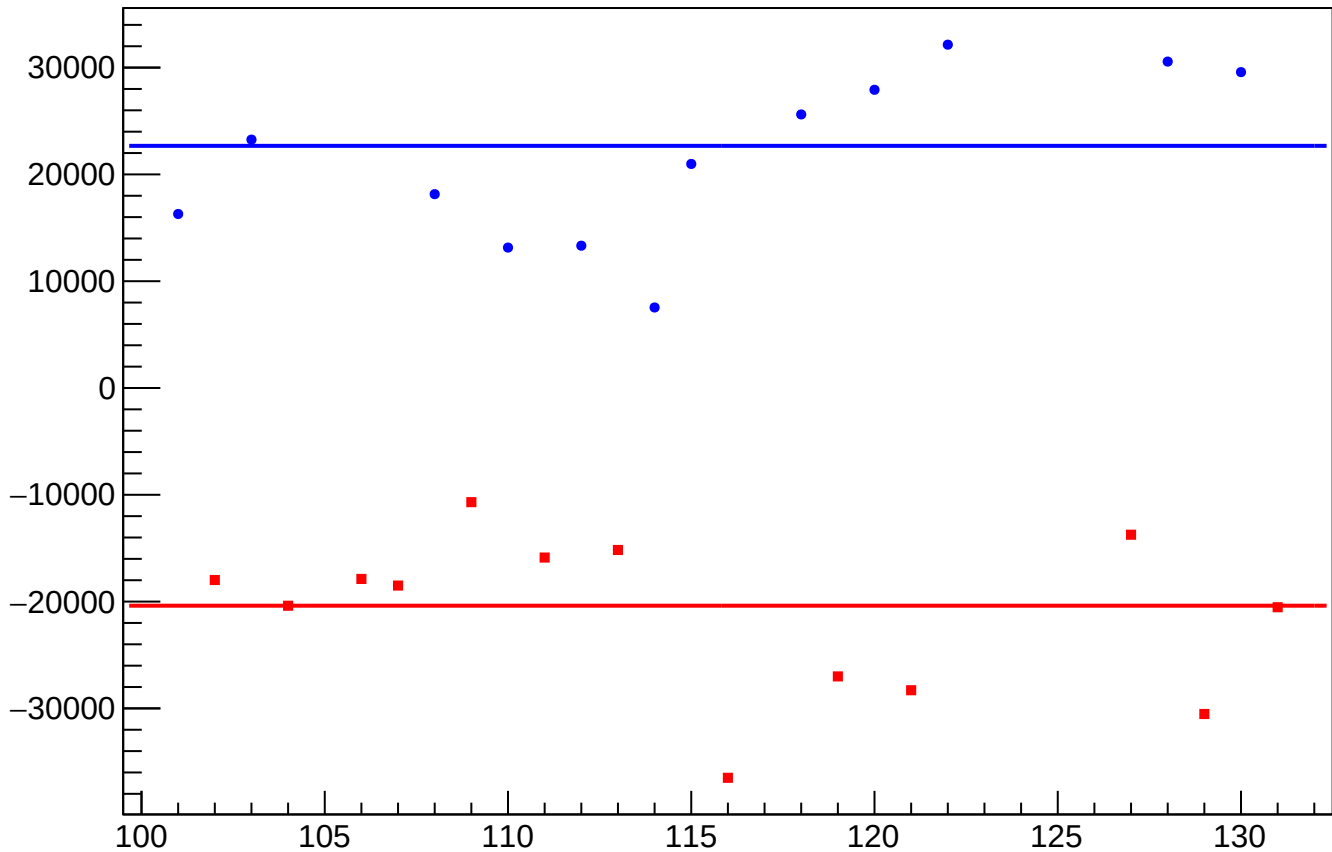
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1154.344+/-0.000  $\chi^2/\text{NDF}$ : 2171491269008131

-9.119+/-0.000  $\chi^2/\text{NDF}$ : 13732493767902

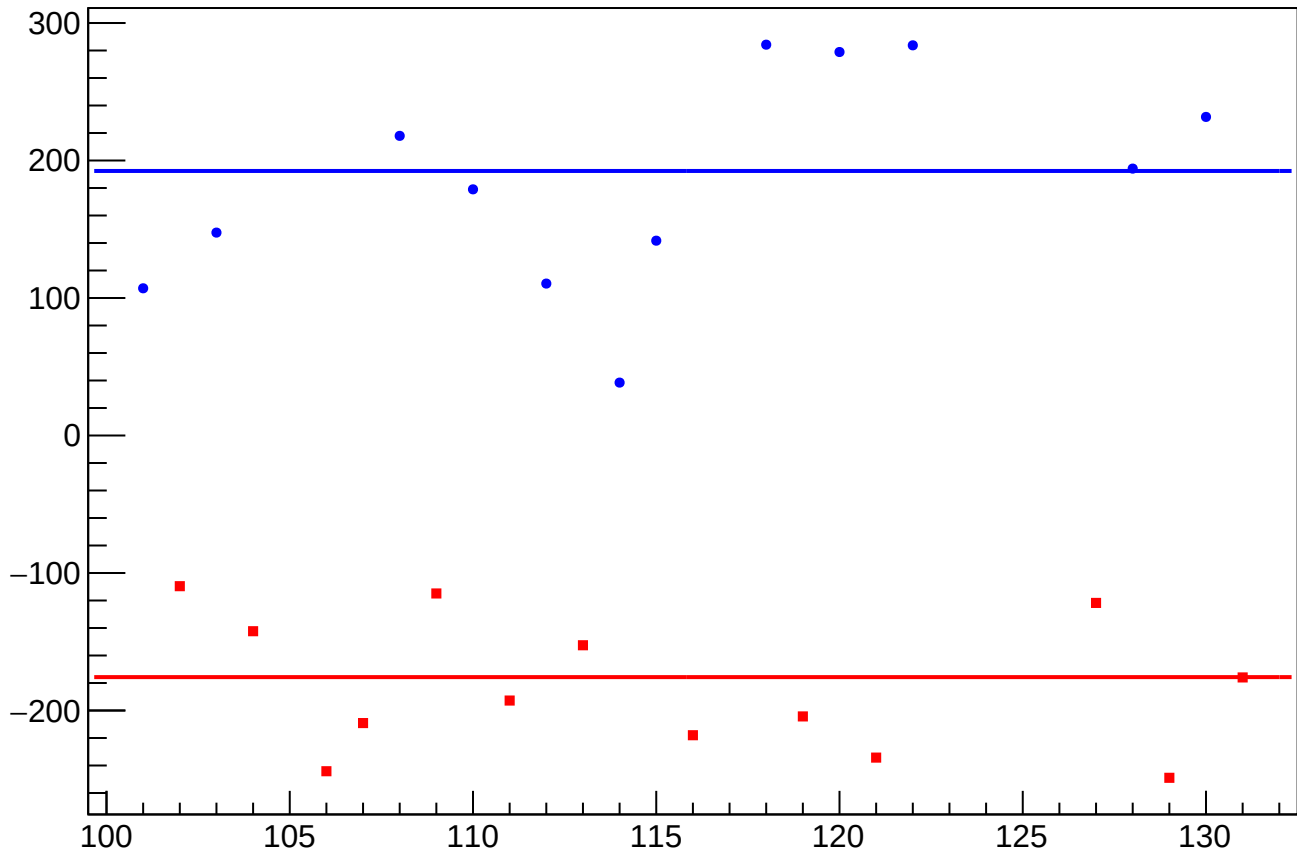
-1053.521+/-0.000  $\chi^2/\text{NDF}$ : 671498249645891

# dit\_sam5\_coil4\_mean vs Slug, Sign Corrected



Right In: 22674.297+/-0.000  $\chi^2/\text{NDF}$ : 24511621076854271323924922251041329643520.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -20384.515+/-0.000  $\chi^2/\text{NDF}$ : 25292690926537908199491944857606534725632.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 192.393+/-0.000  $\chi^2/\text{NDF}$ : 2354626877130078845405804039052984320.0/11

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

192.393+/-0.000  $\chi^2/\text{NDF}$ : 2354626877130078845405804039052984320.0/11

-1.588+/-0.000  $\chi^2/\text{NDF}$ : 39353052889740.0/12

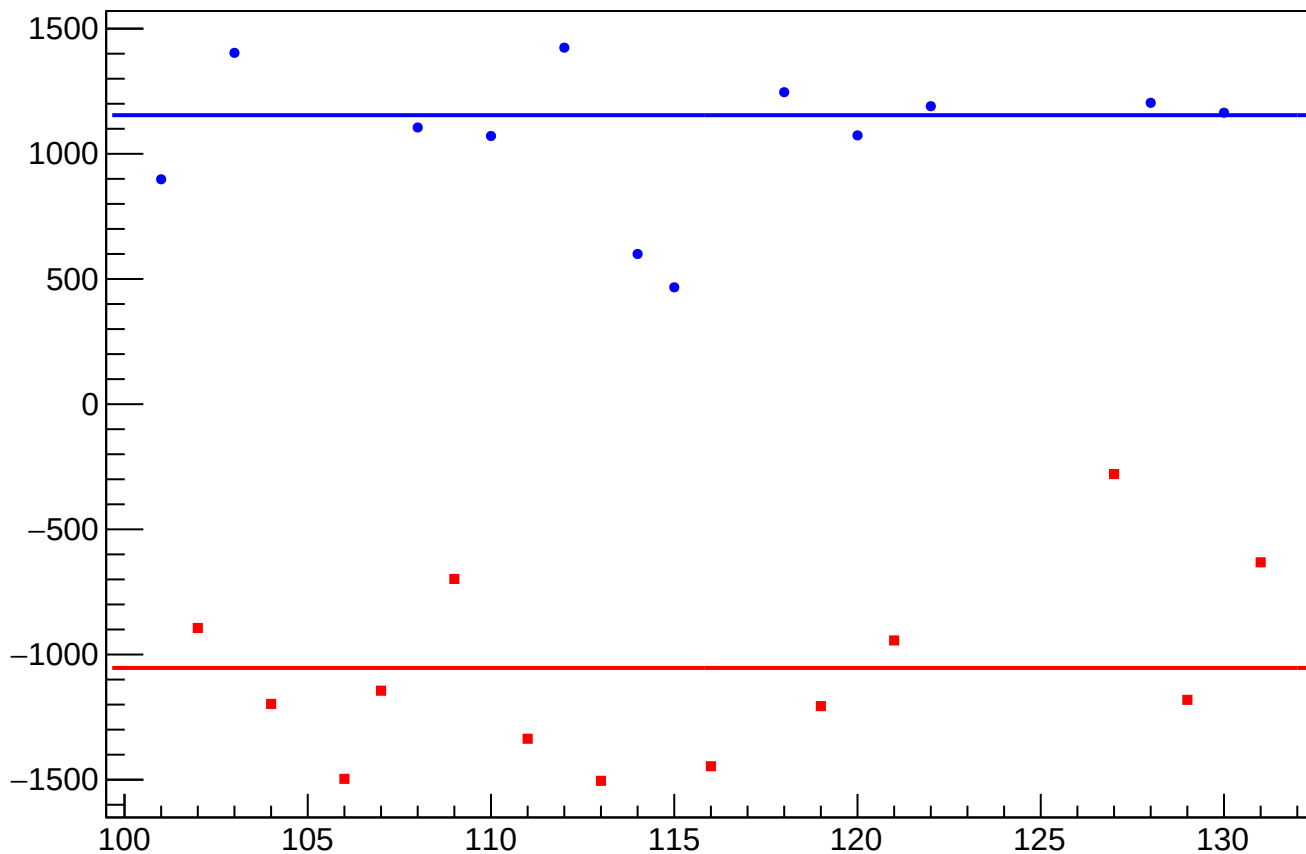
Right Out: -175.719+/-0.000  $\chi^2/\text{NDF}$ : 1295108191893301639979030604110888960.0/12

-175.719+/-0.000  $\chi^2/\text{NDF}$ : 1295108191893301639979030604110888960.0/12

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



dit\_sam5\_coil4\_Ndata\_mean vs Slug, Sign Corrected



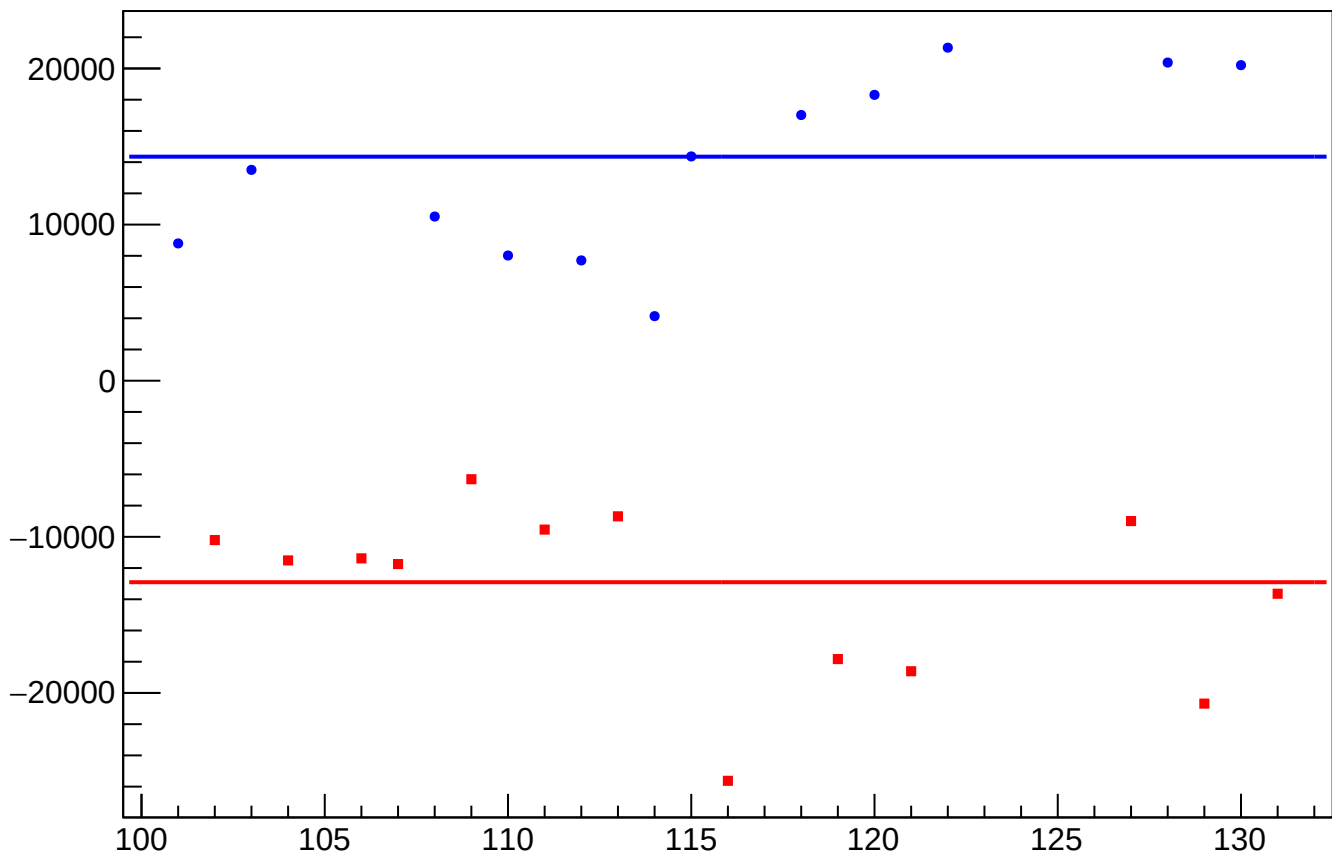
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

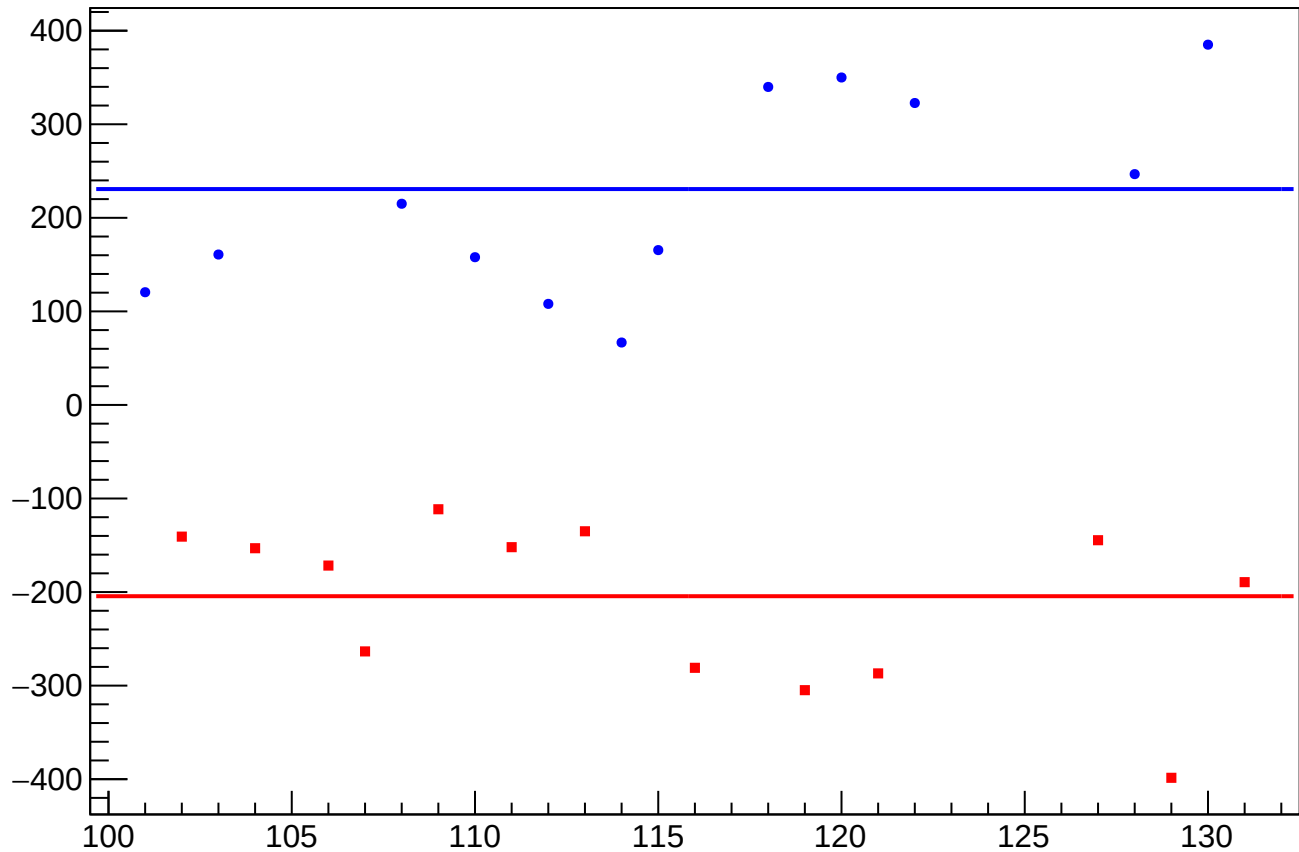
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil4\_mean vs Slug, Sign Corrected



Right In: 14351.277+/-0.000  $\chi^2/\text{NDF}$ : 13987097685522297866401566041314552709120.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -12906.019+/-0.000  $\chi^2/\text{NDF}$ : 14137809558106337787696689913288405811200.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 230.733+/-0.000  $\chi^2/\text{NDF}$ : 5068367816167155356030937423182561280.0/11

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

Right Out: -204.433+/-0.000  $\chi^2/\text{NDF}$ : 3997728614265263943610458315797037056.0/12

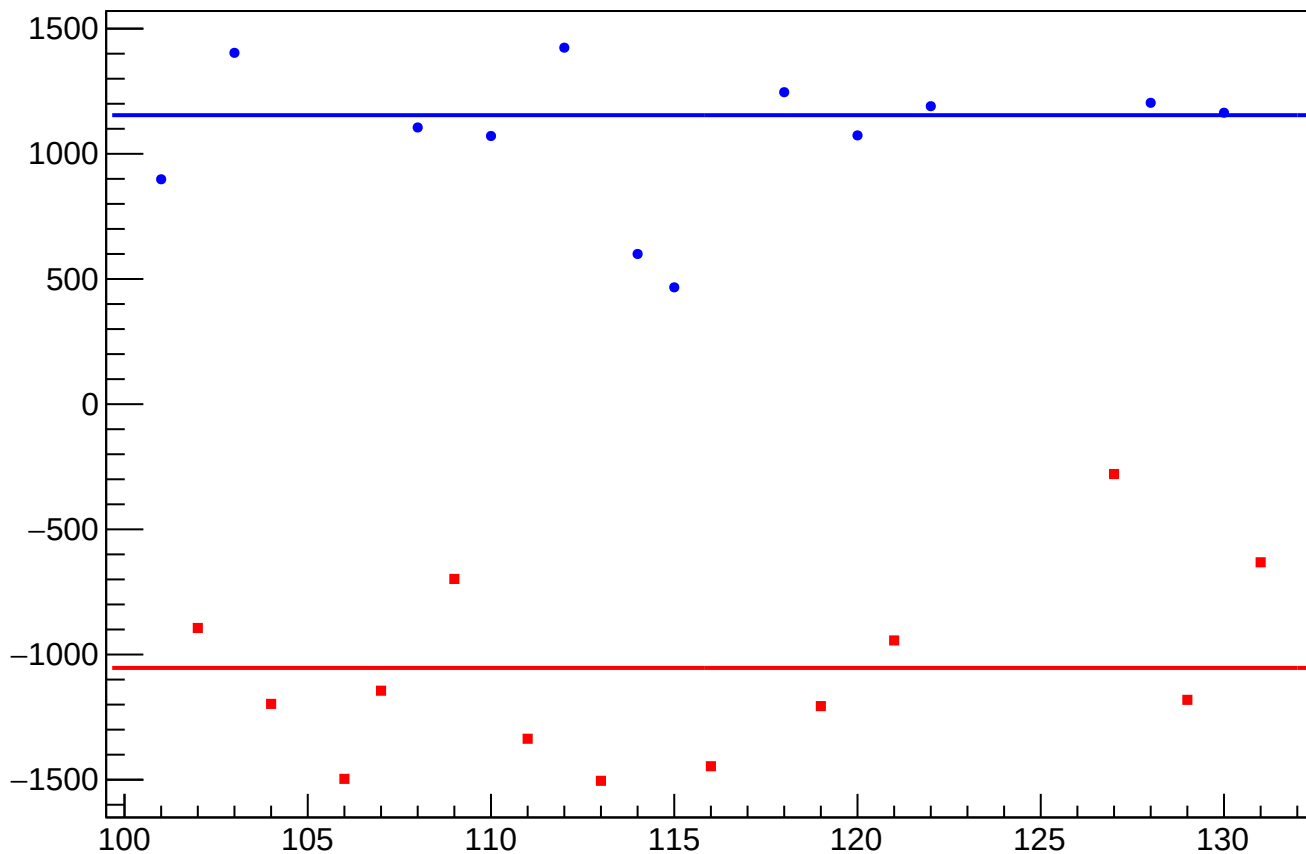
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

230.733+/-0.000  $\chi^2/\text{NDF}$ : 50683678161671553

1.416+/-0.000  $\chi^2/\text{NDF}$ : 58961370165937

-204.433+/-0.000  $\chi^2/\text{NDF}$ : 3997728614265263

dit\_sam6\_coil4\_Ndata\_mean vs Slug, Sign Corrected



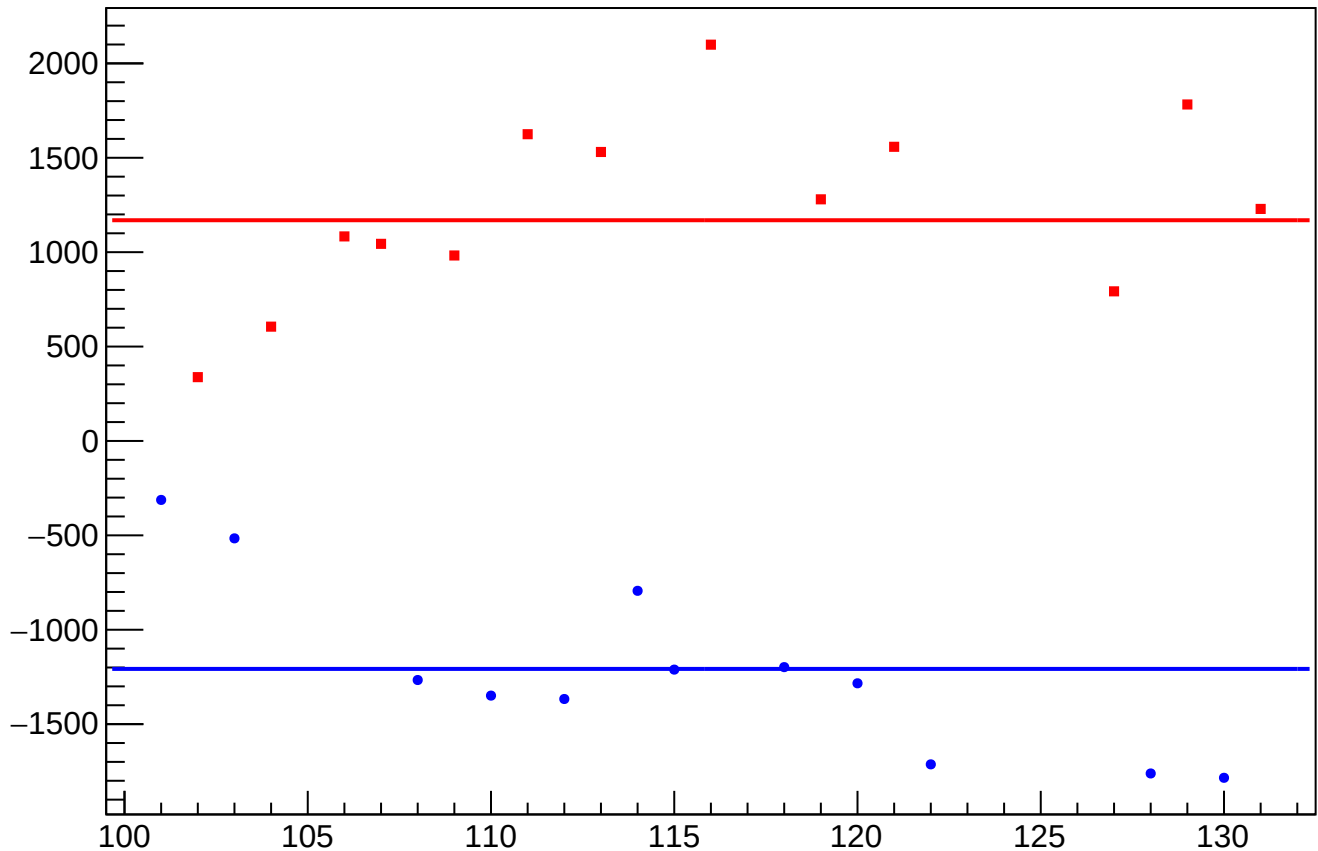
Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

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

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

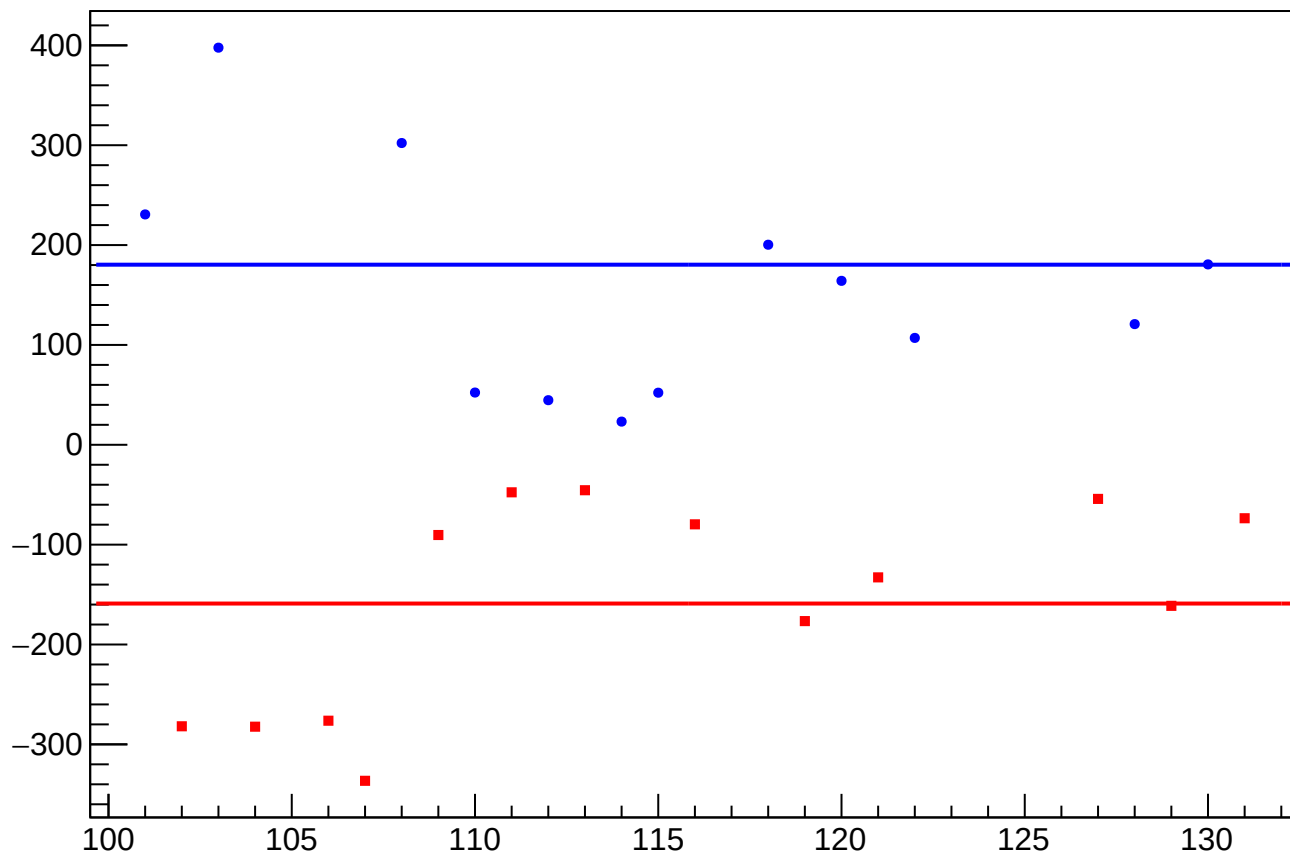
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil4\_mean vs Slug, Sign Corrected



Right In: -1207.467+/-0.000  $\chi^2/\text{NDF}$ : 124532445284216578341924171576126734336.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 1169.150+/-0.000  $\chi^2/\text{NDF}$ : 125042344449461243221987717813832253440.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil4\_err\_mean vs Slug, Sign Corrected



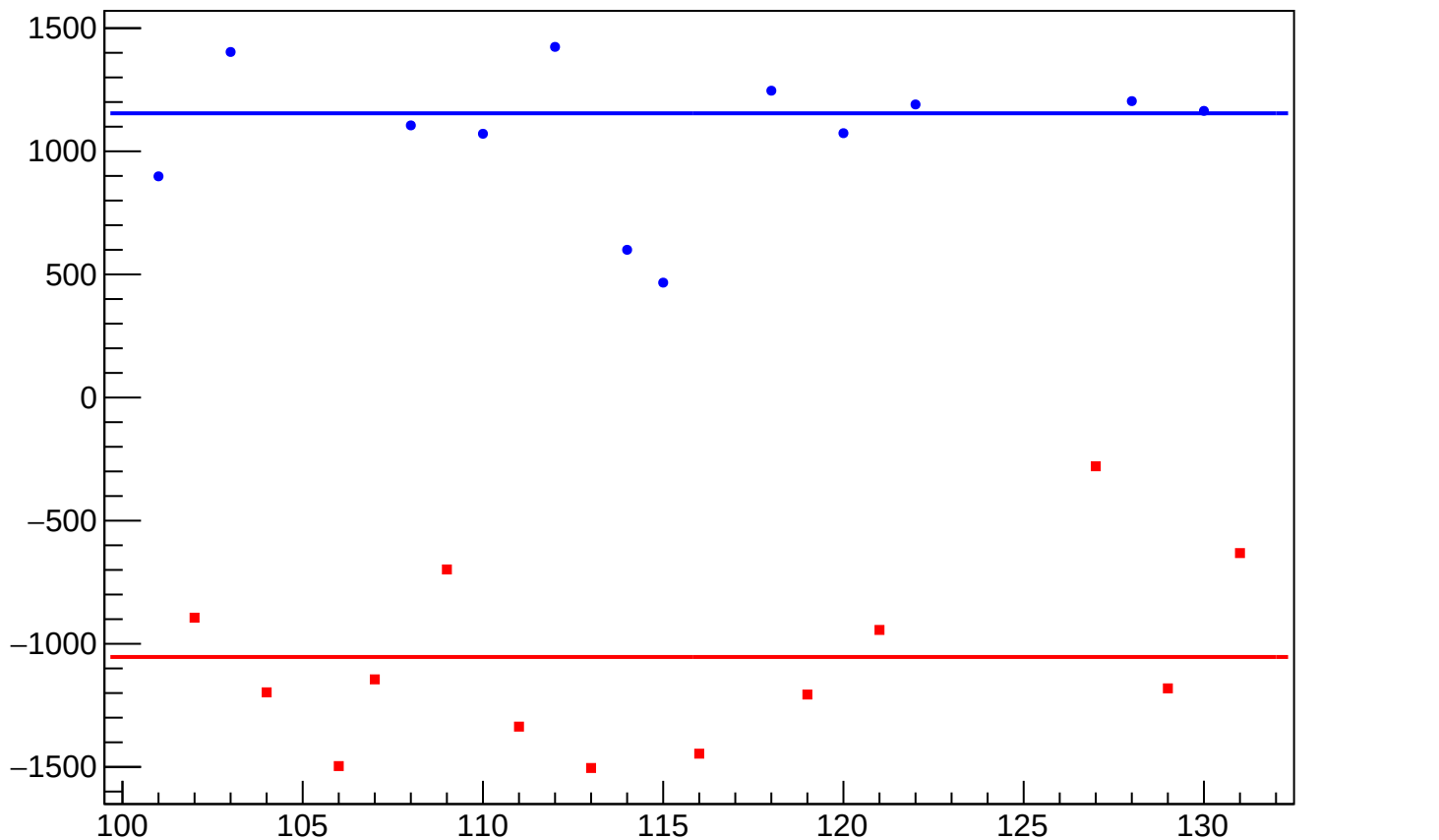
Right In: 180.359+/-0.000  $\chi^2/\text{NDF}$ : 5929512105043539777653660891134033920.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -158.978+/-0.000  $\chi^2/\text{NDF}$ : 5547546729114512219545122496374112256.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

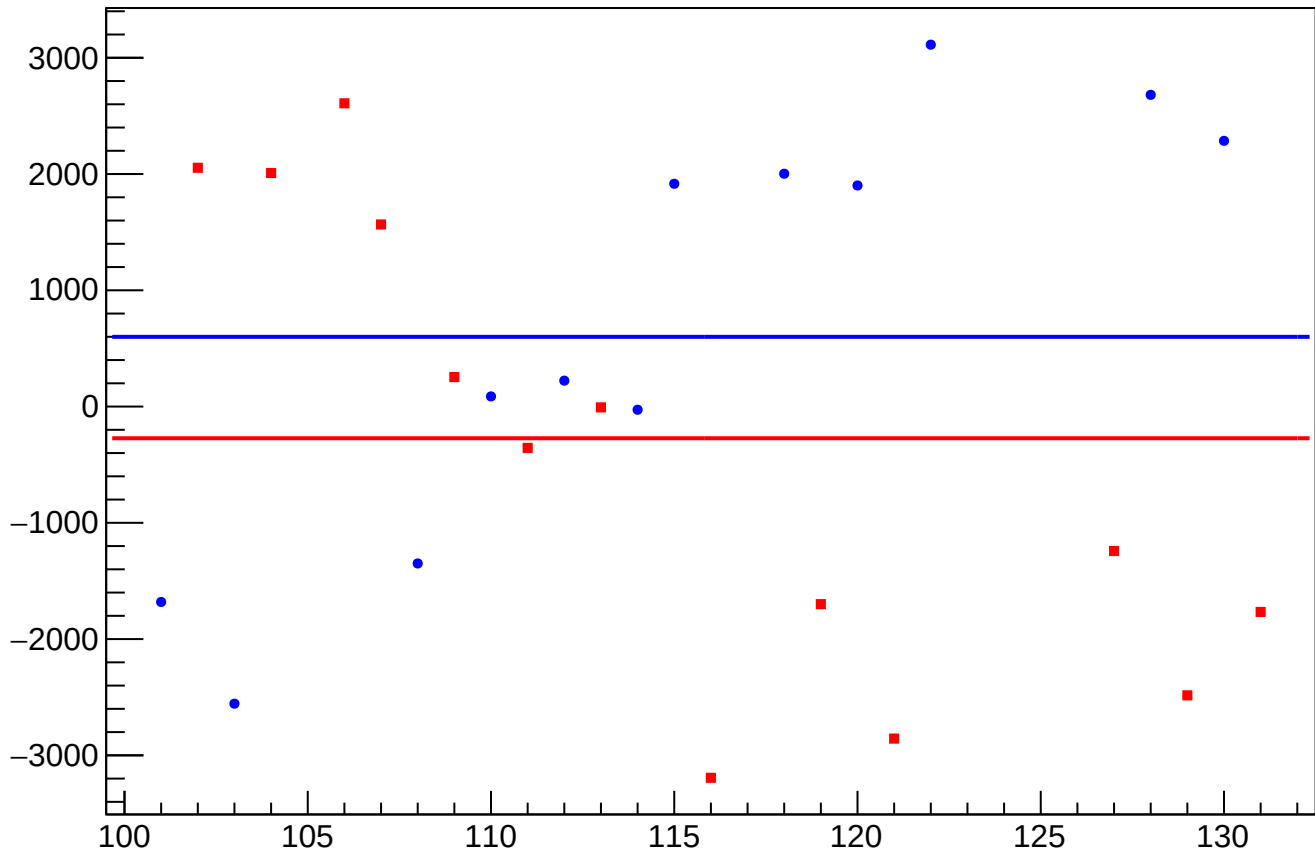
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1154.344+/-0.000  $\chi^2/\text{NDF}$ : 2171491269008131

-9.119+/-0.000  $\chi^2/\text{NDF}$ : 13732493767902

-1053.521+/-0.000  $\chi^2/\text{NDF}$ : 671498249645891

# dit\_sam8\_coil4\_mean vs Slug, Sign Corrected



Right In: 599.755+/-0.000  $\chi^2/\text{NDF}$ : 1885625501512834252962548087296716963840.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -272.577+/-0.000  $\chi^2/\text{NDF}$ : 1894633482770006582661761053767671742464.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

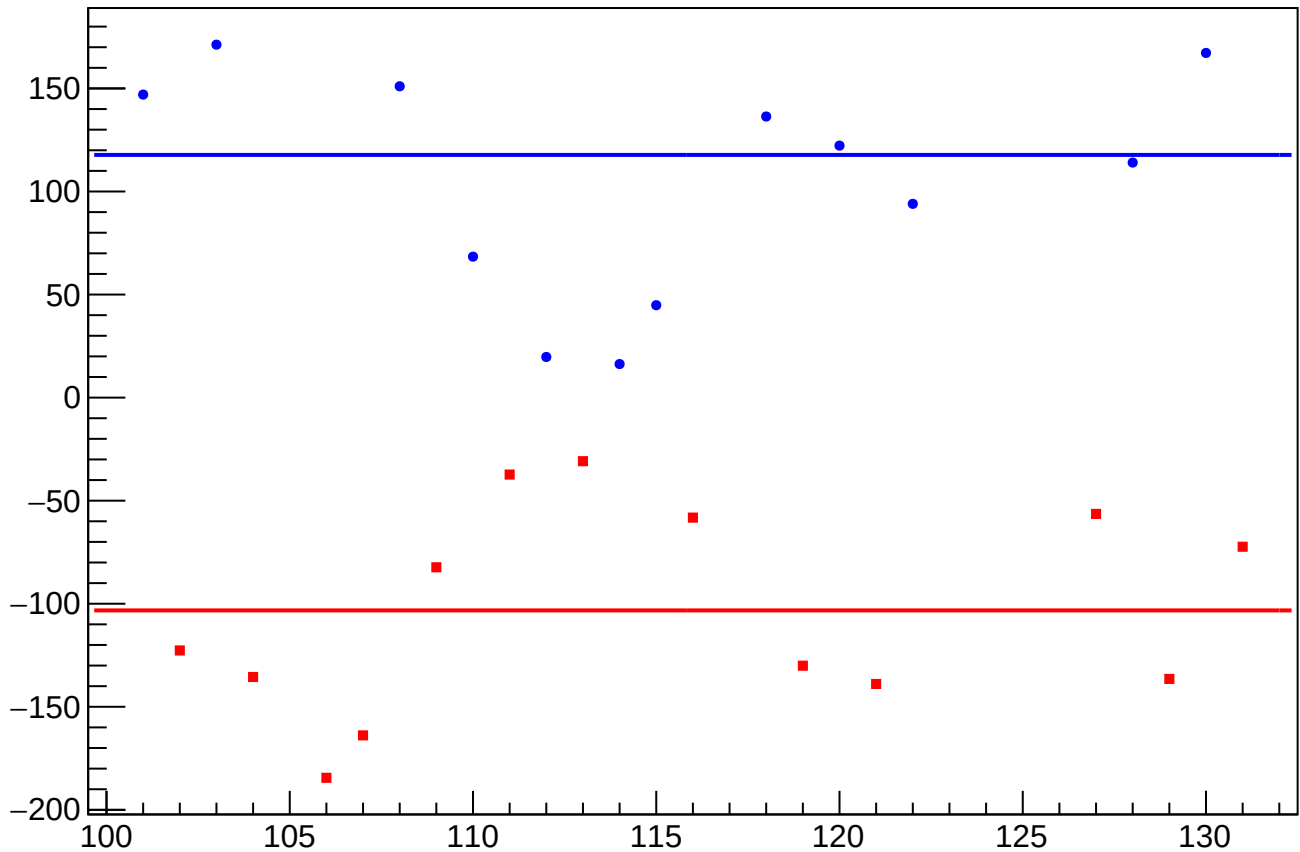
599.755+/-0.000  $\chi^2/\text{NDF}$ : 18856255015128342

140.068+/-0.000  $\chi^2/\text{NDF}$ : 398075836656

-272.577+/-0.000  $\chi^2/\text{NDF}$ : 1894633482770006



dit\_sam8\_coil4\_err\_mean vs Slug, Sign Corrected



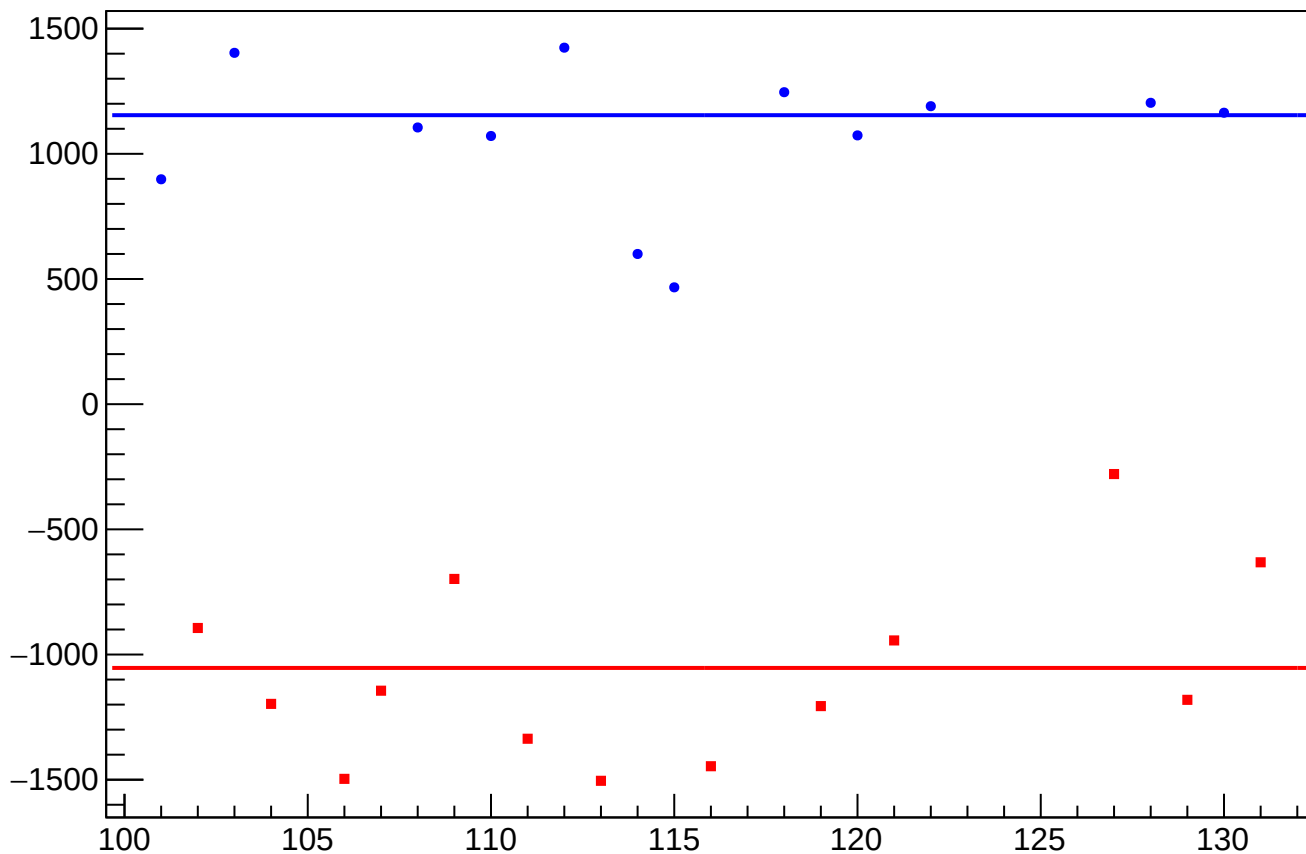
Right In: 117.751+/-0.000  $\chi^2/\text{NDF}$ : 1186914629269078281003065982696030208.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -103.243+/-0.000  $\chi^2/\text{NDF}$ : 1183110084173483401041224901461016576.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1154.344+/-0.000  $\chi^2/\text{NDF}$ : 21714912690081315502917860399373090816.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1053.521+/-0.000  $\chi^2/\text{NDF}$ : 67149824964589181137397320483740844032.0/12

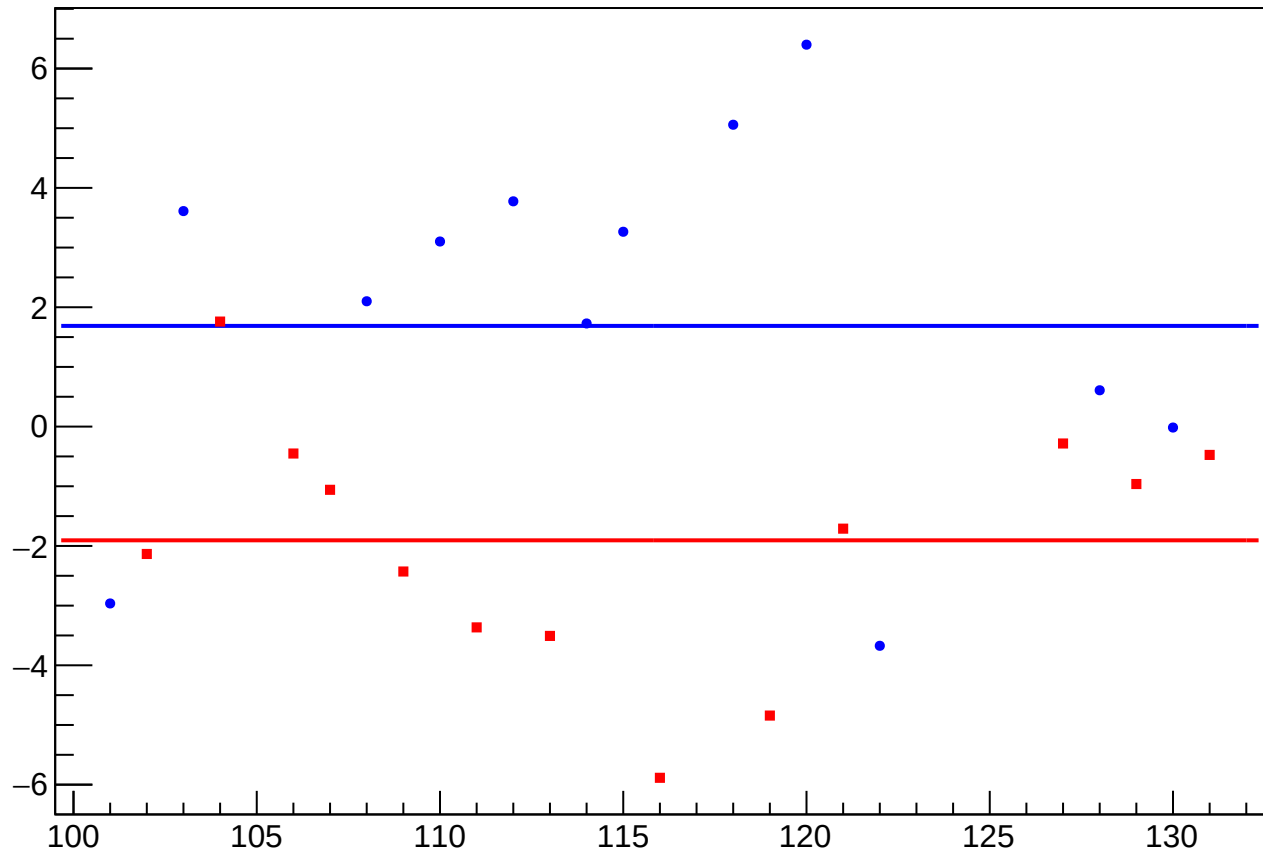
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1154.344+/-0.000  $\chi^2/\text{NDF}$ : 2171491269008131

-9.119+/-0.000  $\chi^2/\text{NDF}$ : 13732493767902

-1053.521+/-0.000  $\chi^2/\text{NDF}$ : 671498249645891

dit\_4aX\_coil6\_mean vs Slug, Sign Corrected



Right In: 1.687+/-0.000  $\chi^2/\text{NDF}$ : 4581774208196759110808613337169920.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.906+/-0.000  $\chi^2/\text{NDF}$ : 2095321441791237159908092715991040.0/12

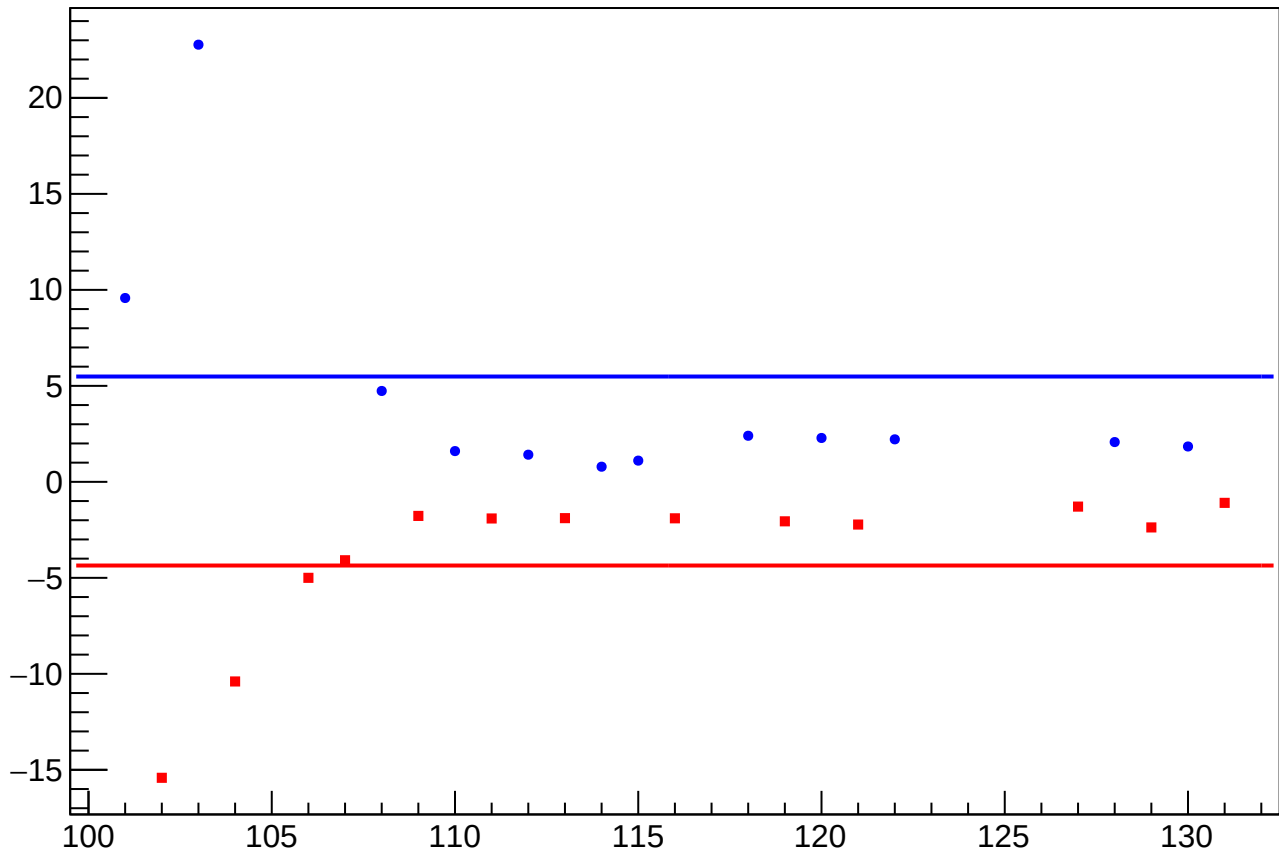
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.687+/-0.000  $\chi^2/\text{NDF}$ : 4581774208196759110

-0.206+/-0.000  $\chi^2/\text{NDF}$ : 10078971068603

-1.906+/-0.000  $\chi^2/\text{NDF}$ : 209532144179123715

dit\_4aX\_coil6\_err\_mean vs Slug, Sign Corrected



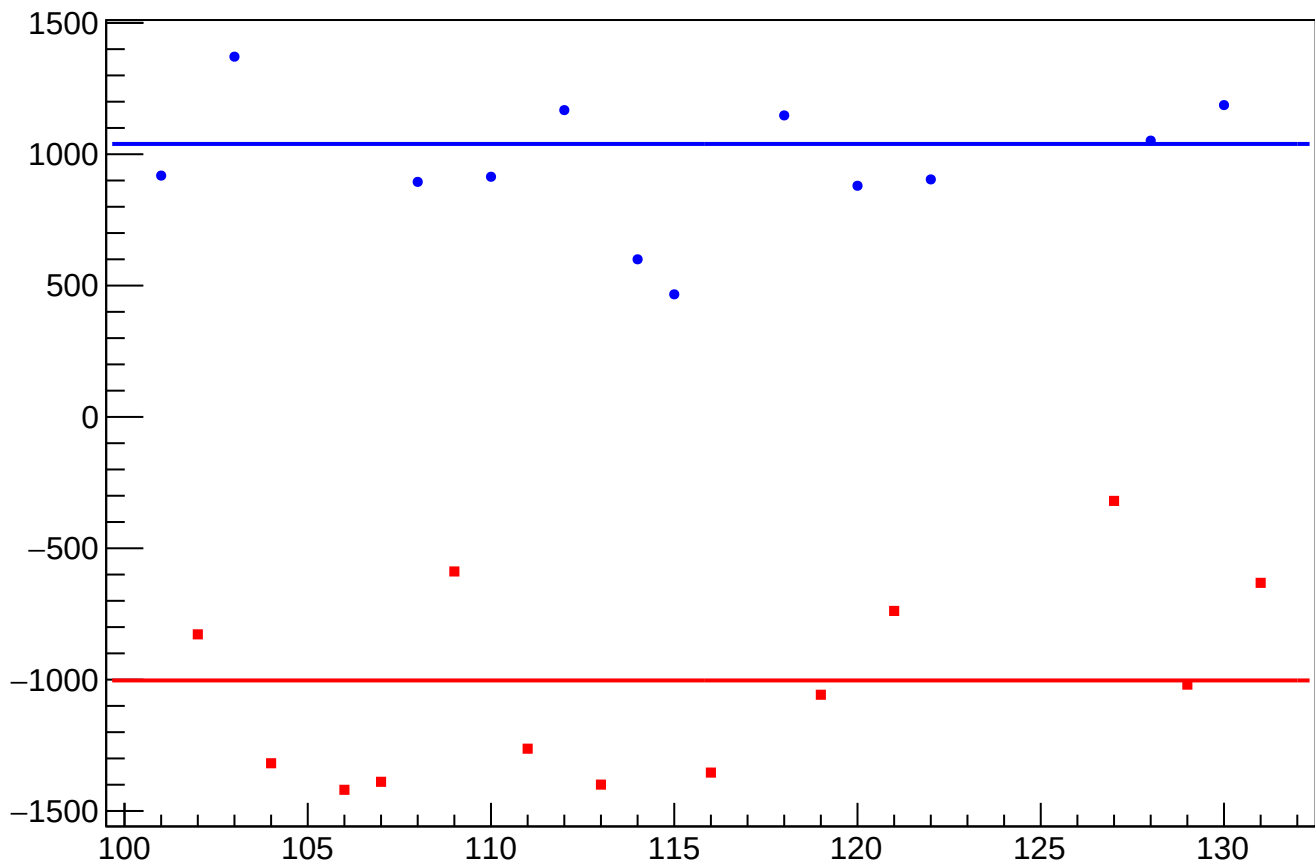
Right In: 5.487 $\pm$ 0.000  $\chi^2$ /NDF: 23114626709804046806468706552512512.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -4.358 $\pm$ 0.000  $\chi^2$ /NDF: 11437105145493311868825091694395392.0/12

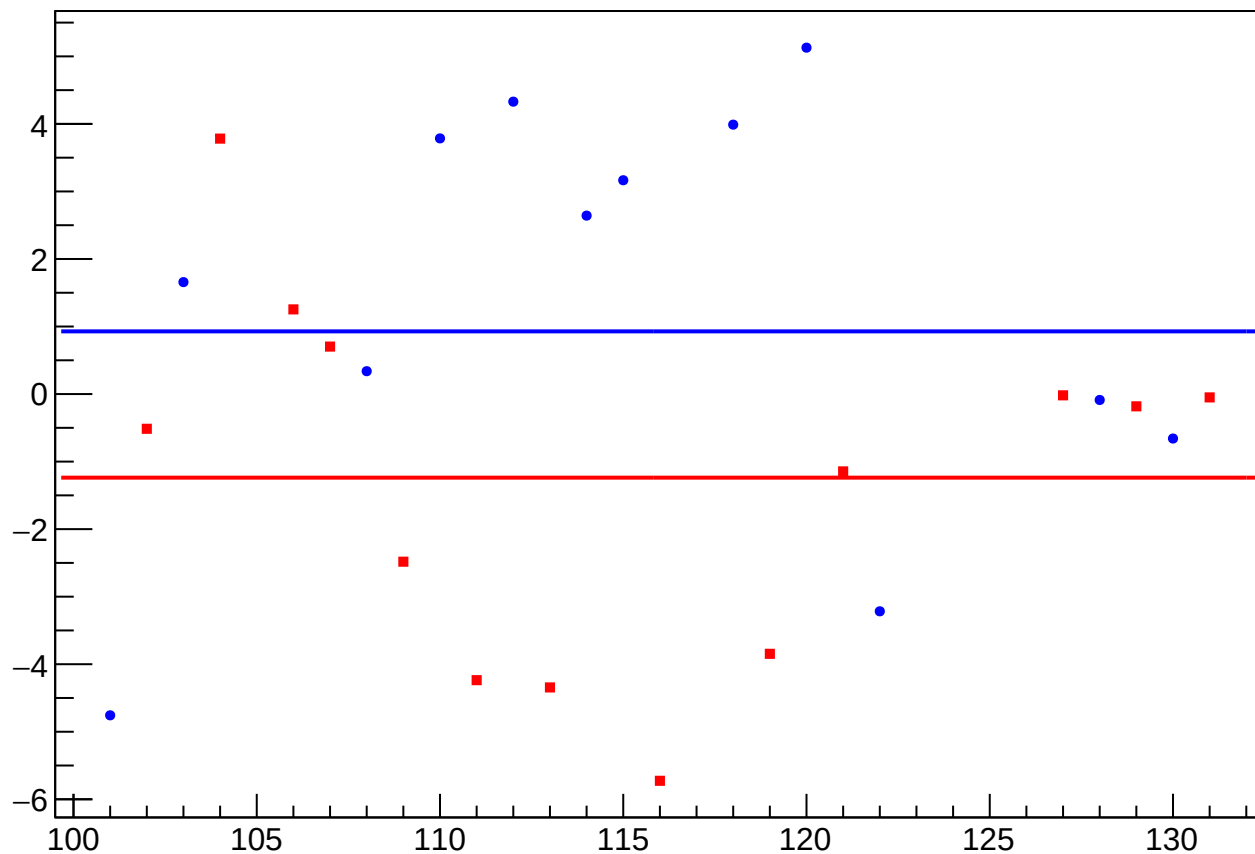
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

dit\_4aX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000     $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11  
Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -1003.083+/-0.000     $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12  
Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.928+/-0.000  $\chi^2/\text{NDF}$ : 4909261331501720009332893413277696.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.238+/-0.000  $\chi^2/\text{NDF}$ : 3604389109128112852212703870058496.0/12

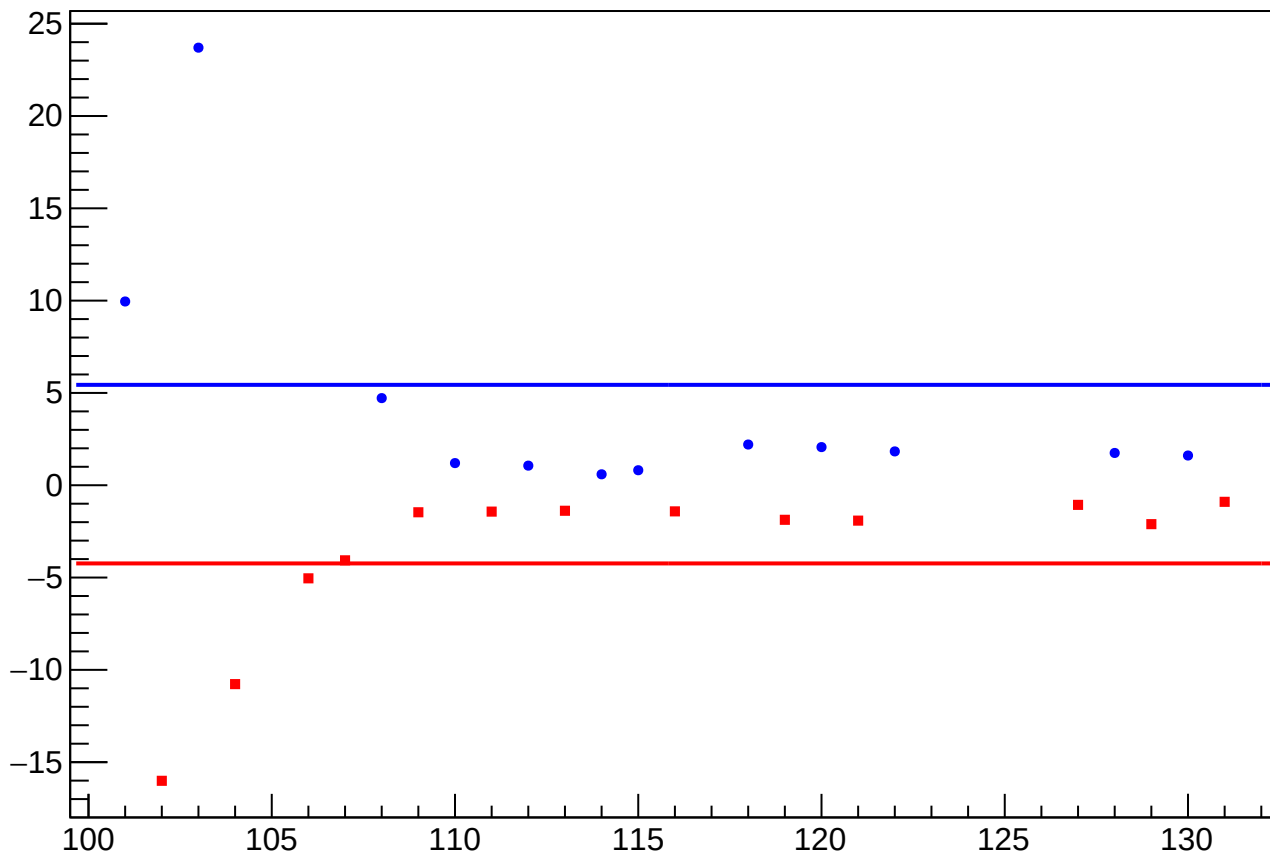
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.928+/-0.000  $\chi^2/\text{NDF}$ : 4909261331501720009

-0.213+/-0.000  $\chi^2/\text{NDF}$ : 9749732458833

-1.238+/-0.000  $\chi^2/\text{NDF}$ : 360438910912811285

# dit\_4eX\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 5.438+/-0.000  $\chi^2/\text{NDF}$ : 26013364200541544697427835834335232.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.235+/-0.000  $\chi^2/\text{NDF}$ : 13106845758829713235656935080984576.0/12

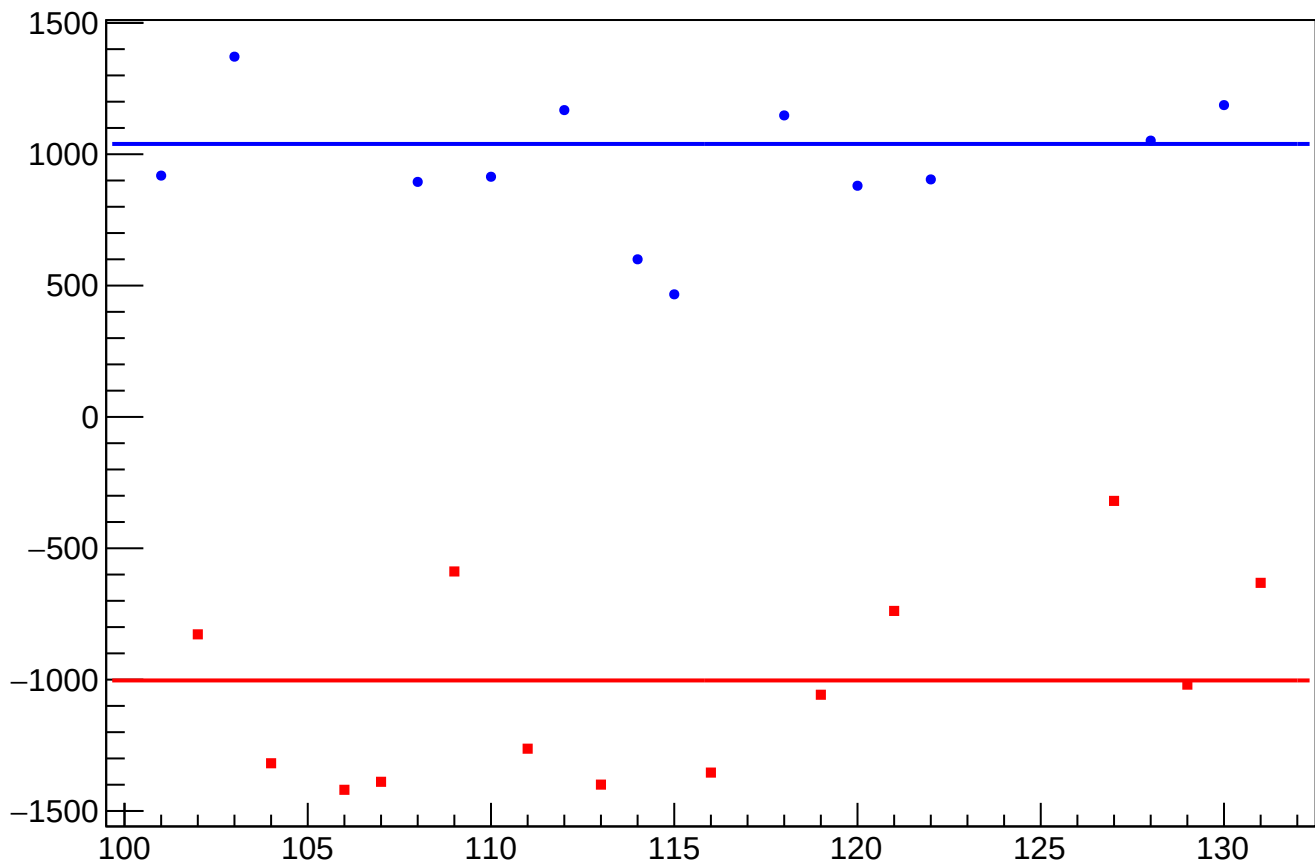
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.438+/-0.000  $\chi^2/\text{NDF}$ : 2601336420054154469

0.340+/-0.000  $\chi^2/\text{NDF}$ : 63773257756097

-4.235+/-0.000  $\chi^2/\text{NDF}$ : 131068457588297132

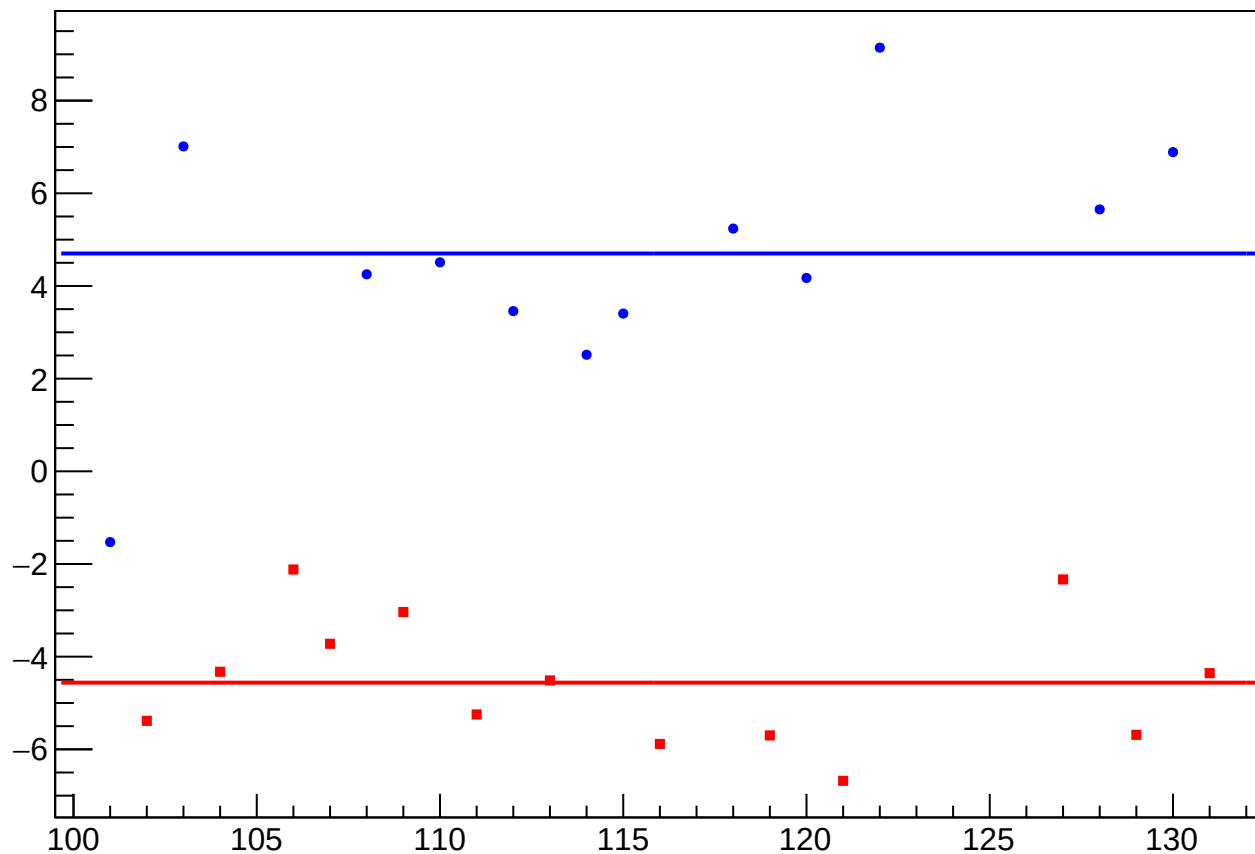
dit\_4eX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_11X12X\_coil6\_mean vs Slug, Sign Corrected



Right In: 4.701+/-0.000  $\chi^2/\text{NDF}$ : 3903671043455576935973724864118784.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.561+/-0.000  $\chi^2/\text{NDF}$ : 948024659527062972902073419431936.0/12

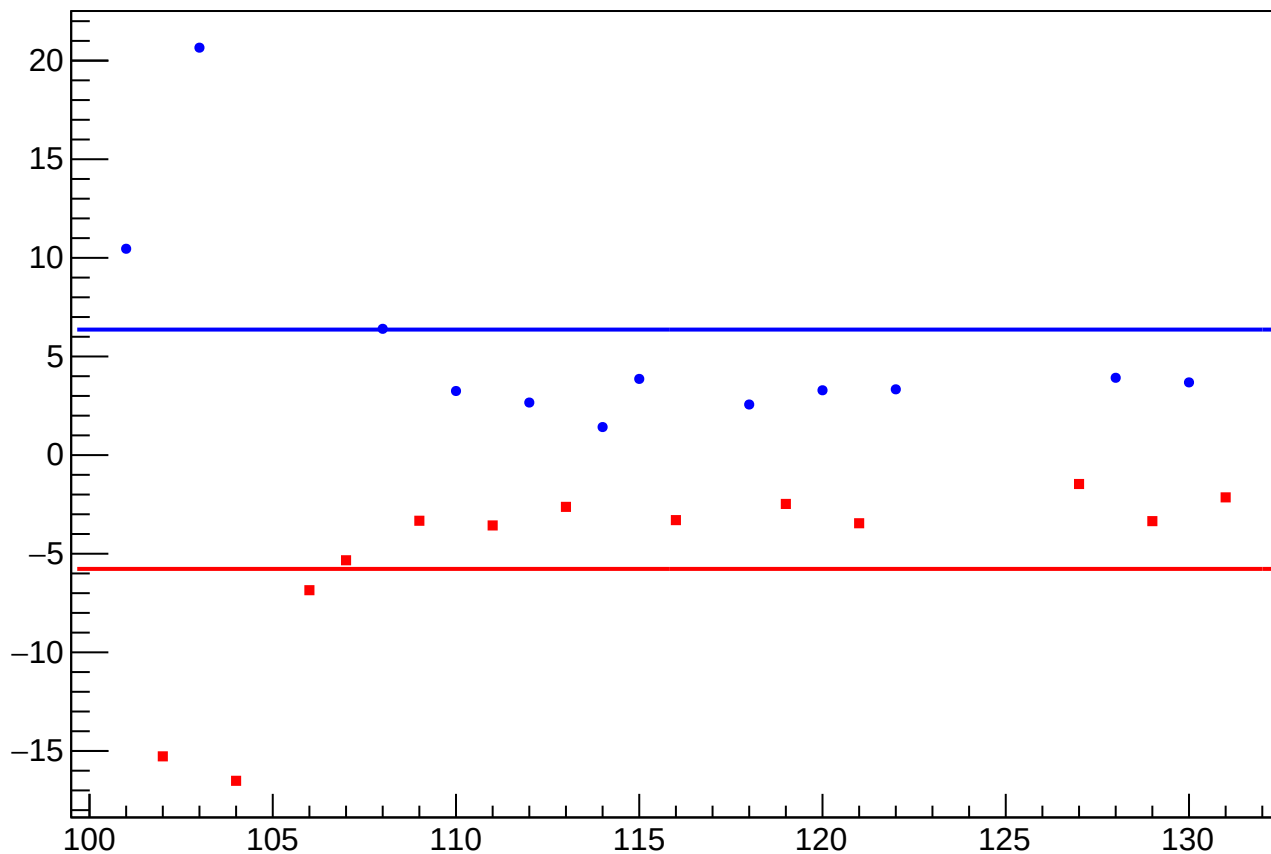
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.701+/-0.000  $\chi^2/\text{NDF}$ : 3903671043455576935973724864118784.0/11

-0.180+/-0.000  $\chi^2/\text{NDF}$ : 27455622892370.0/11

-4.561+/-0.000  $\chi^2/\text{NDF}$ : 948024659527062972902073419431936.0/12

dit\_11X12X\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 6.364+/-0.000  $\chi^2/\text{NDF}$ : 16594972064417901277267775367151616.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.770+/-0.000  $\chi^2/\text{NDF}$ : 14614736872772069530973920284377088.0/12

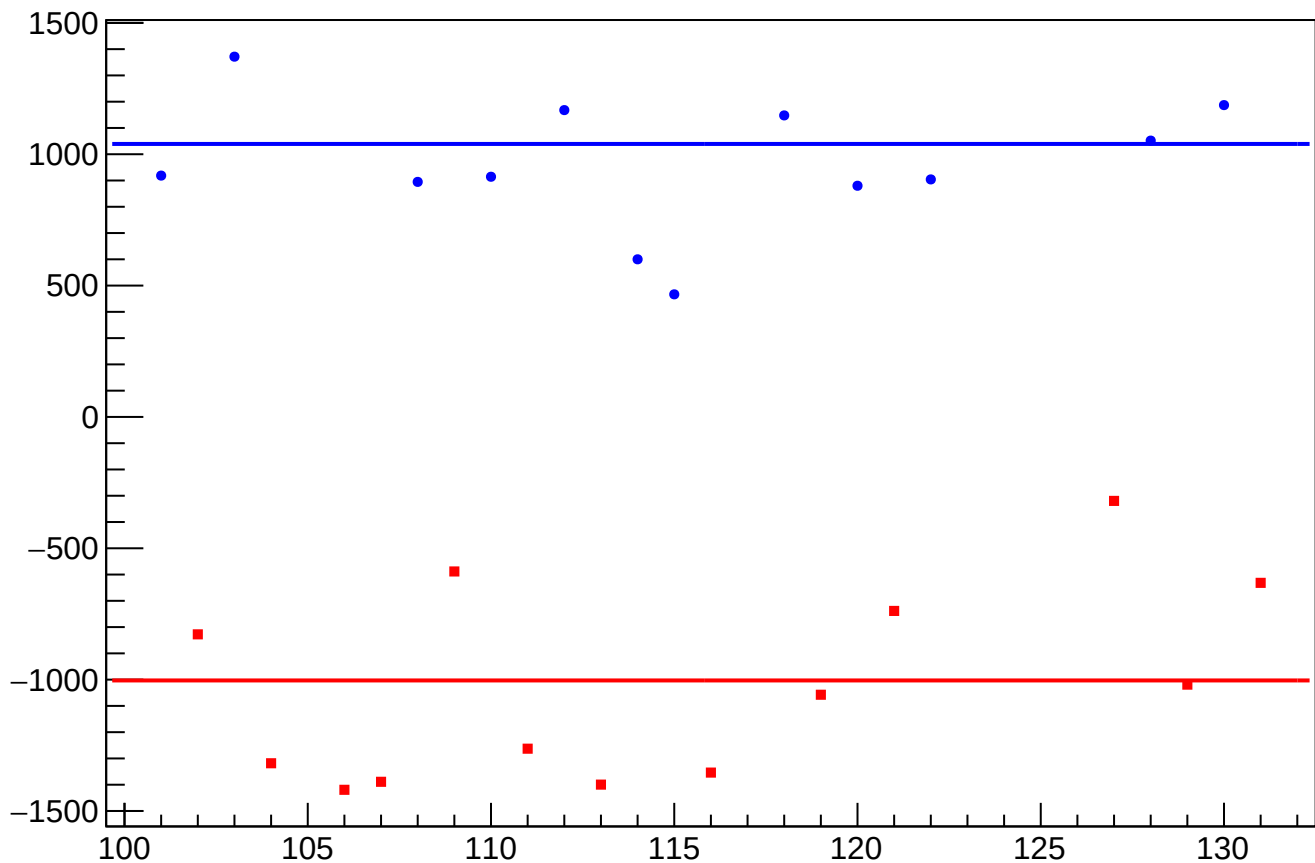
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.364+/-0.000  $\chi^2/\text{NDF}$ : 16594972064417901277267775367151616.0/11

-0.030+/-0.000  $\chi^2/\text{NDF}$ : 70001347983330.0/12

-5.770+/-0.000  $\chi^2/\text{NDF}$ : 14614736872772069530973920284377088.0/12

dit\_11X12X\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

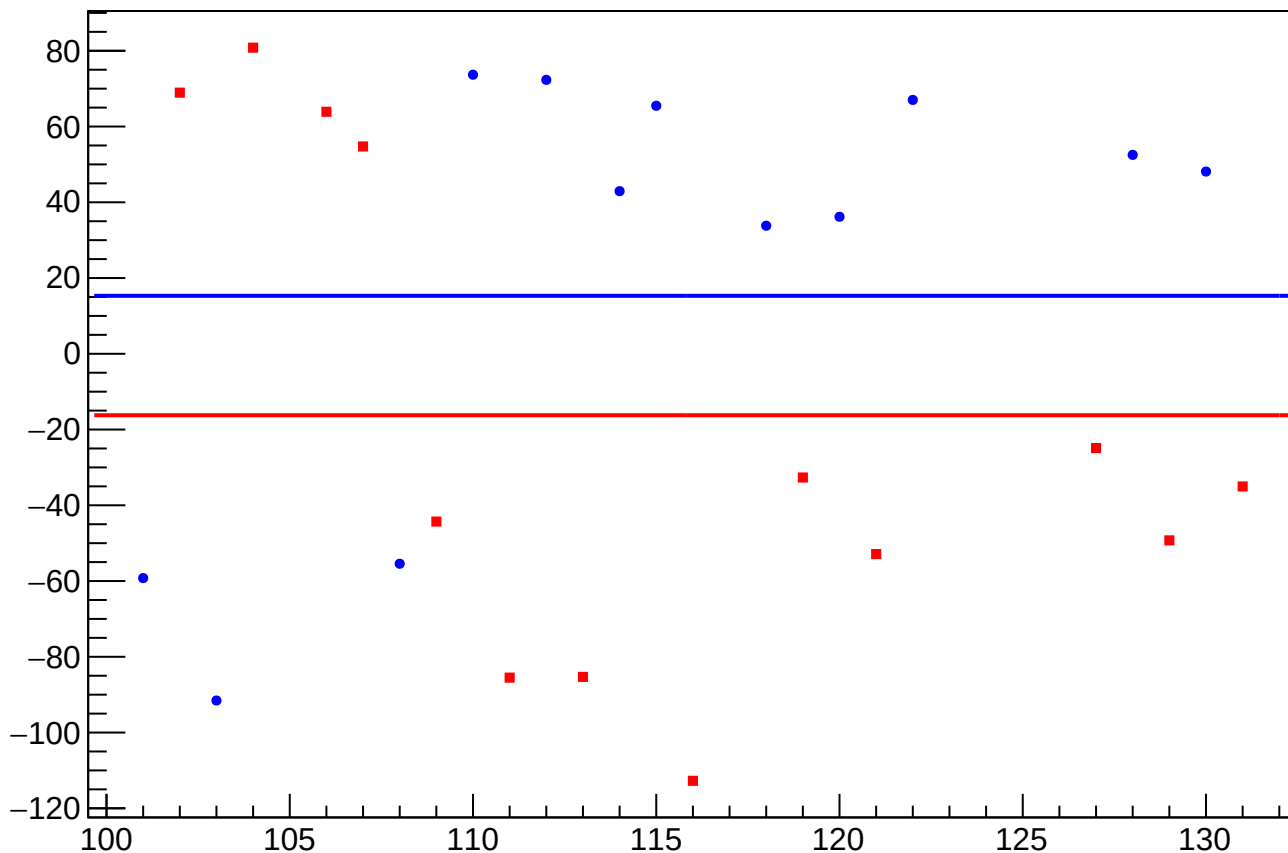
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

# dit\_4aY\_coil6\_mean vs Slug, Sign Corrected



Right In: 15.308+/-0.000  $\chi^2/\text{NDF}$ : 1787152306486934754963714390282469376.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -16.222+/-0.000  $\chi^2/\text{NDF}$ : 2123395979899228680576120774451003392.0/12

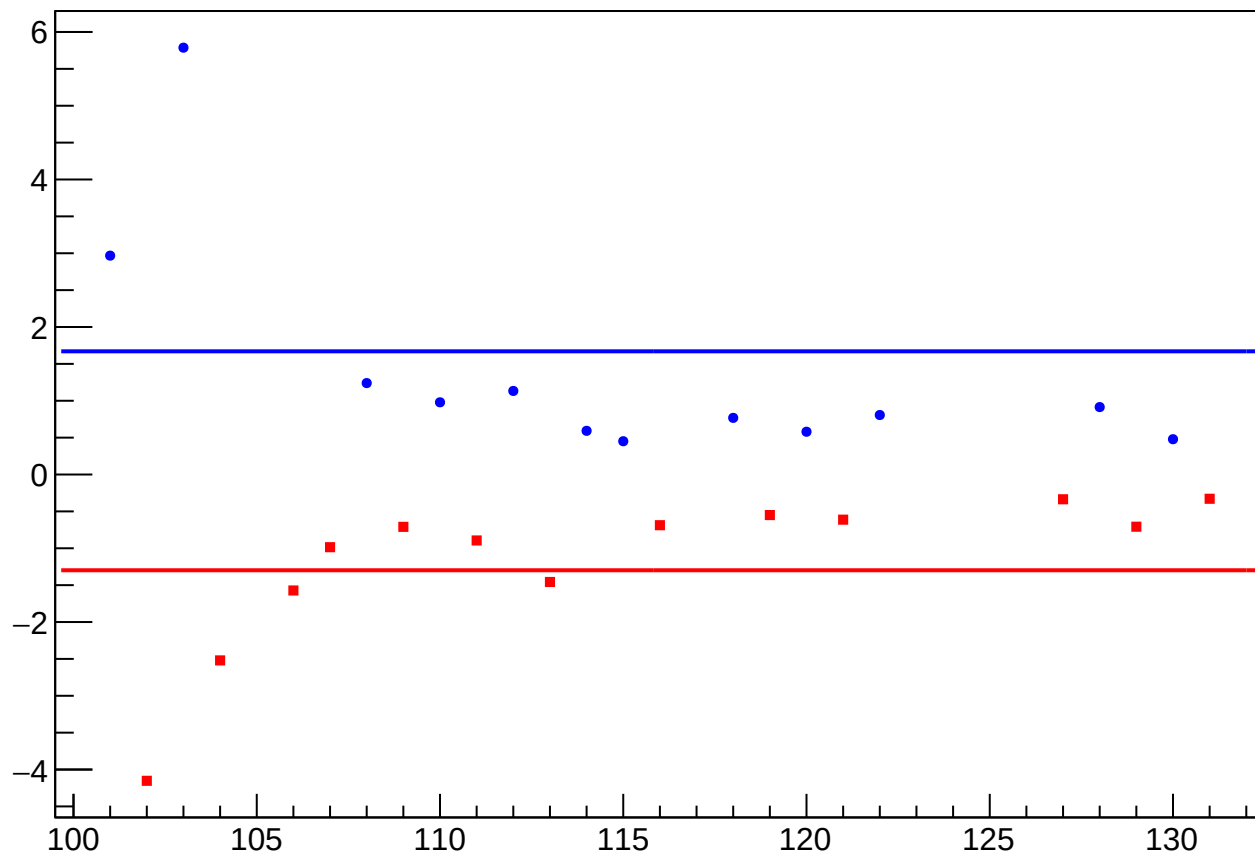
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

15.308+/-0.000  $\chi^2/\text{NDF}$ : 178715230648693475

-1.307+/-0.000  $\chi^2/\text{NDF}$ : 41724803703523

-16.222+/-0.000  $\chi^2/\text{NDF}$ : 21233959798992286

dit\_4aY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1.670+/-0.000  $\chi^2/\text{NDF}$ : 1389892089134130756411635106054144.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.298+/-0.000  $\chi^2/\text{NDF}$ : 728014482293692681400357834719232.0/12

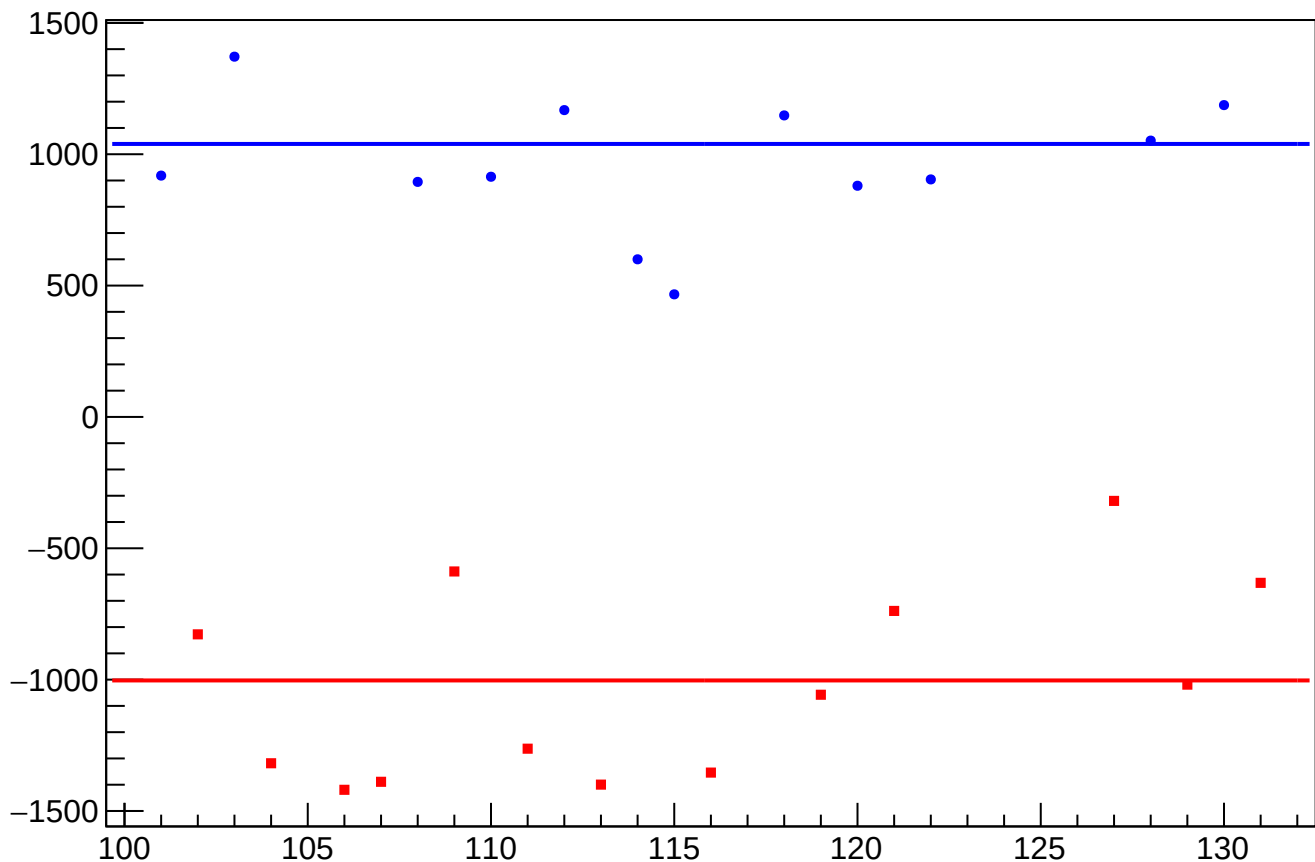
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.670+/-0.000  $\chi^2/\text{NDF}$ : 1389892089134130756

0.106+/-0.000  $\chi^2/\text{NDF}$ : 44397954587100

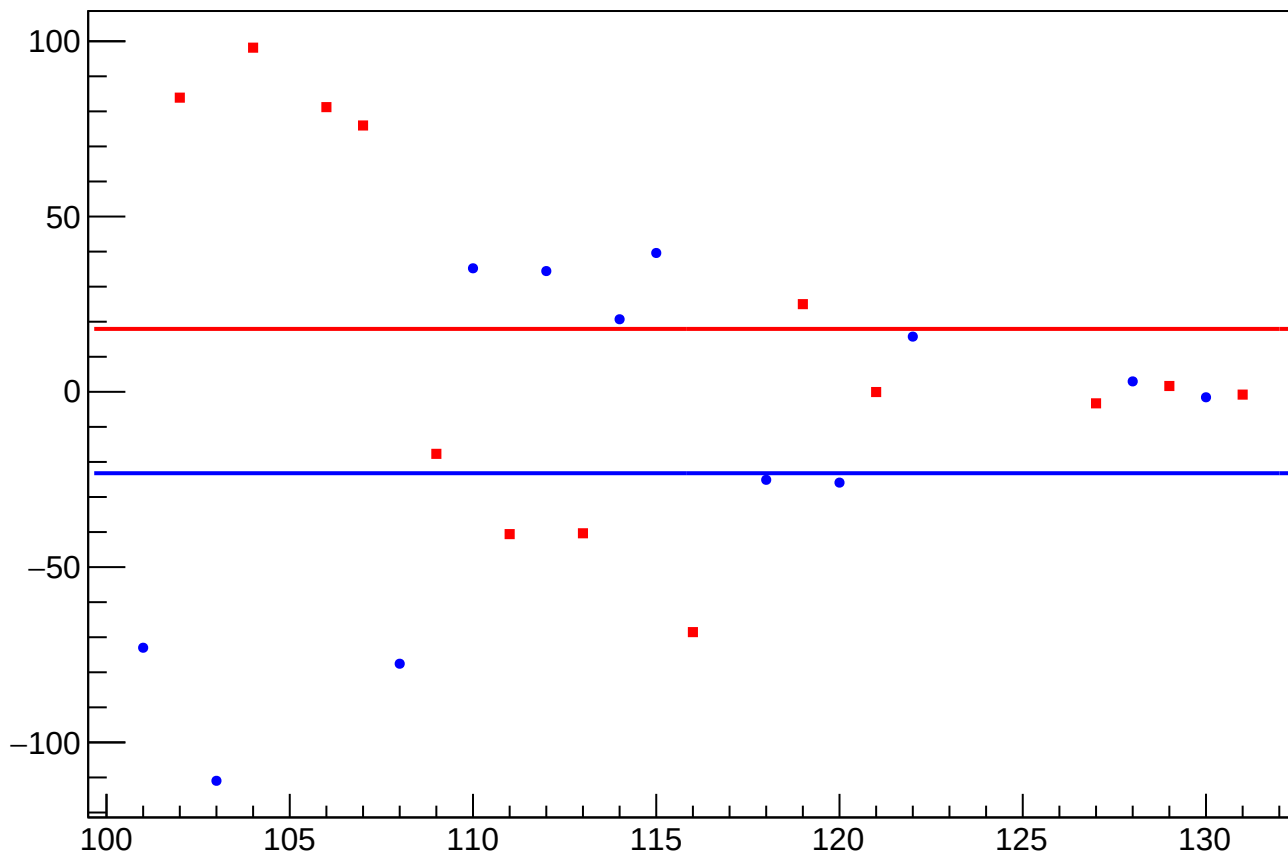
-1.298+/-0.000  $\chi^2/\text{NDF}$ : 728014482293692681

dit\_4aY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil6\_mean vs Slug, Sign Corrected



Right In: -23.216+/-0.000  $\chi^2/\text{NDF}$ : 1193544705890226046424277119209046016.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 17.948+/-0.000  $\chi^2/\text{NDF}$ : 1451340960944056408148408720141844480.0/12

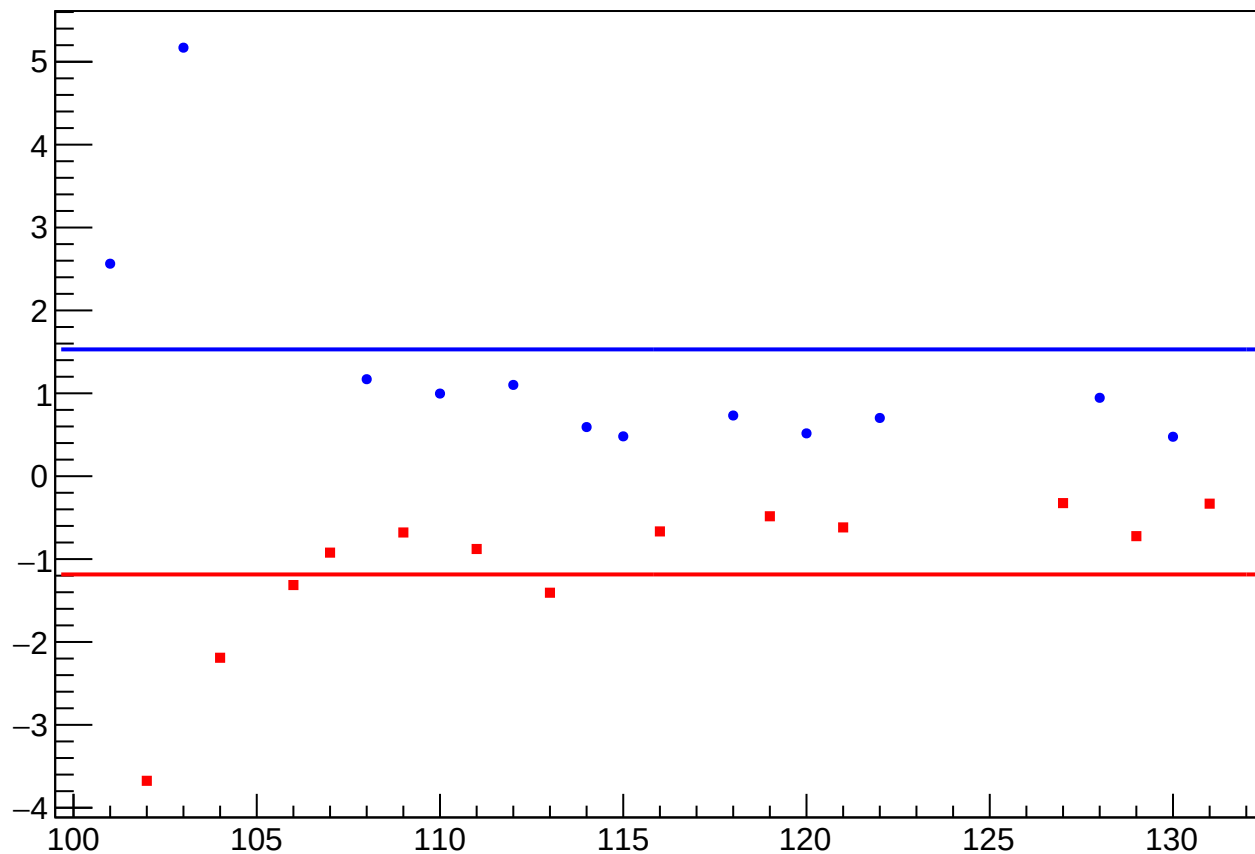
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-23.216+/-0.000  $\chi^2/\text{NDF}$ : 11935447058902260

-1.524+/-0.000  $\chi^2/\text{NDF}$ : 3091356433928

17.948+/-0.000  $\chi^2/\text{NDF}$ : 145134096094405640

dit\_4eY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1.530+/-0.000  $\chi^2/\text{NDF}$ : 1067001134129103903685353601499136.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.185+/-0.000  $\chi^2/\text{NDF}$ : 547164929039620804982016606994432.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

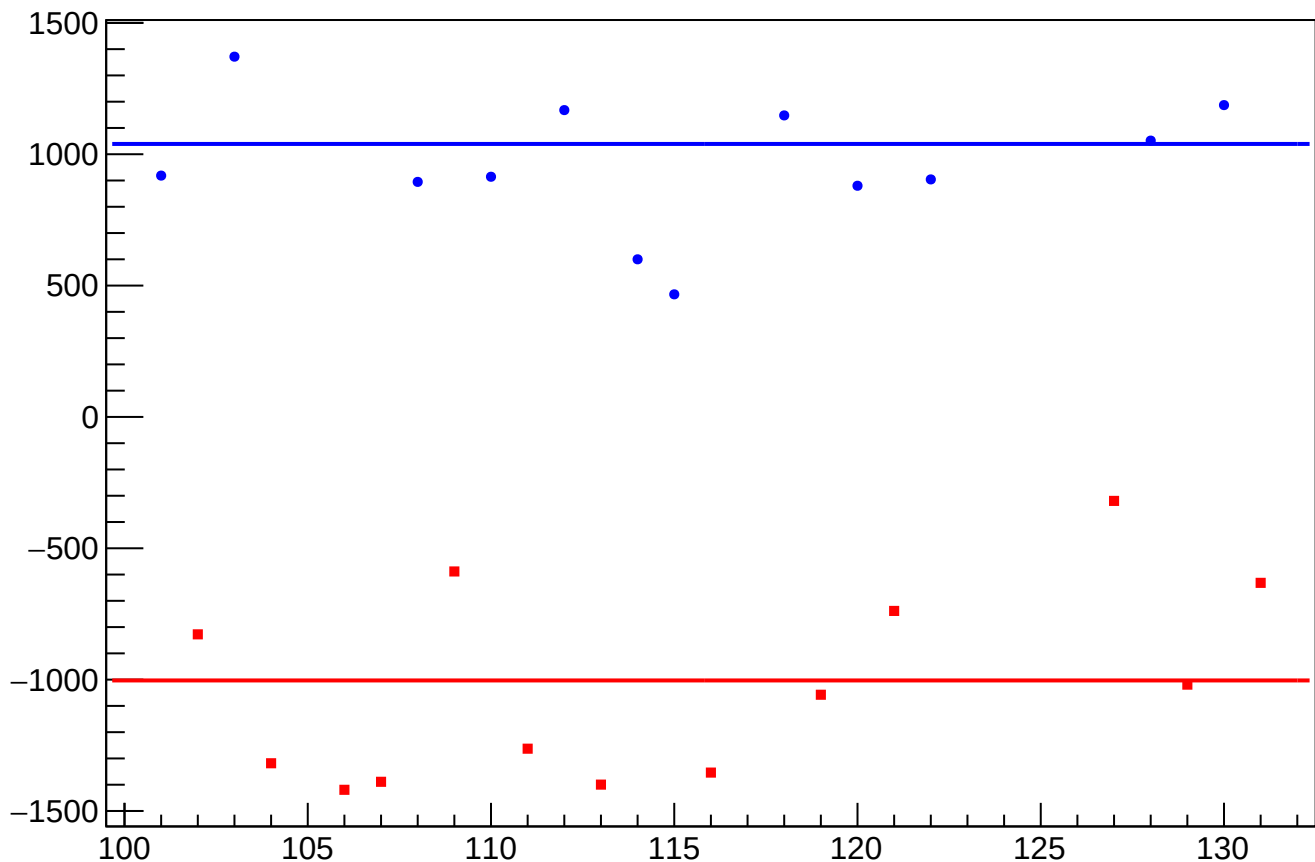
1.530+/-0.000  $\chi^2/\text{NDF}$ : 1067001134129103903

0.099+/-0.000  $\chi^2/\text{NDF}$ : 35563603007396

-1.185+/-0.000  $\chi^2/\text{NDF}$ : 547164929039620804

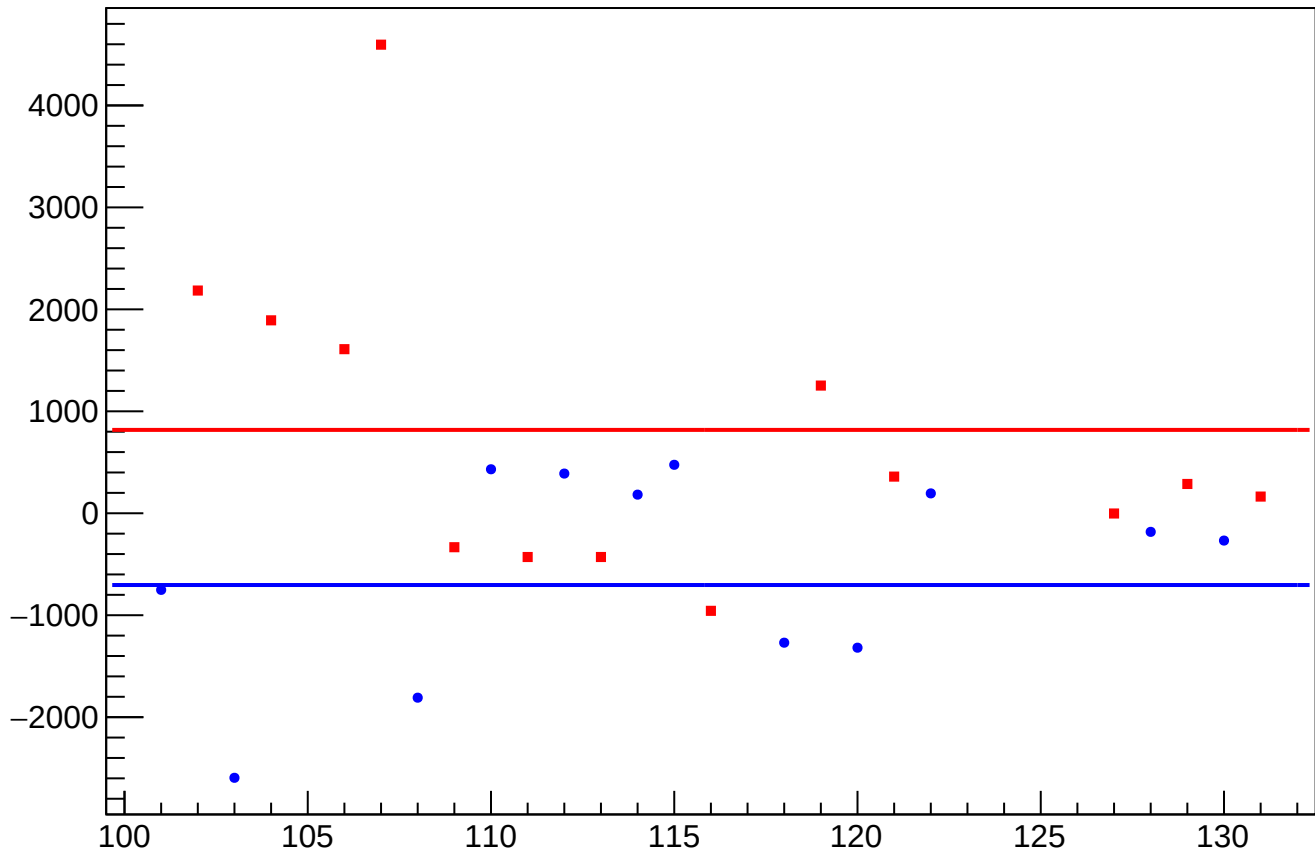


dit\_4eY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil6\_mean vs Slug, Sign Corrected



Right In: -703.765+/-0.000  $\chi^2/\text{NDF}$ : 476172080900944730750858339668352565248.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 817.629+/-0.000  $\chi^2/\text{NDF}$ : 1064902296775033919495782588065679147008.0/12

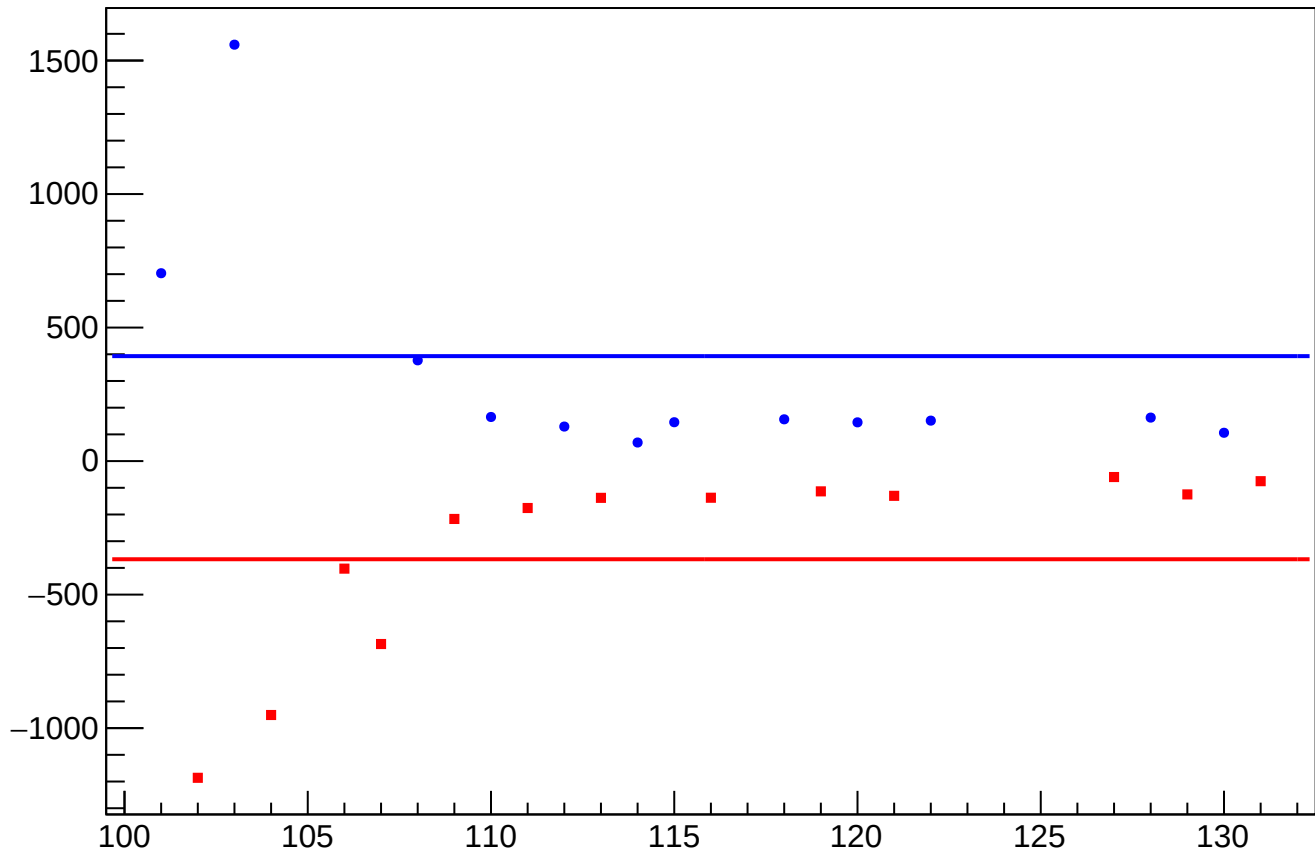
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-703.765+/-0.000  $\chi^2/\text{NDF}$ : 4761720809009447

97.953+/-0.000  $\chi^2/\text{NDF}$ : 2150938855814

817.629+/-0.000  $\chi^2/\text{NDF}$ : 10649022967750339

# dit\_usl\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 393.053+/-0.000  $\chi^2/\text{NDF}$ : 107930789954809060713644424164538318848.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -367.593+/-0.000  $\chi^2/\text{NDF}$ : 81822716489093319121307268986173390848.0/12

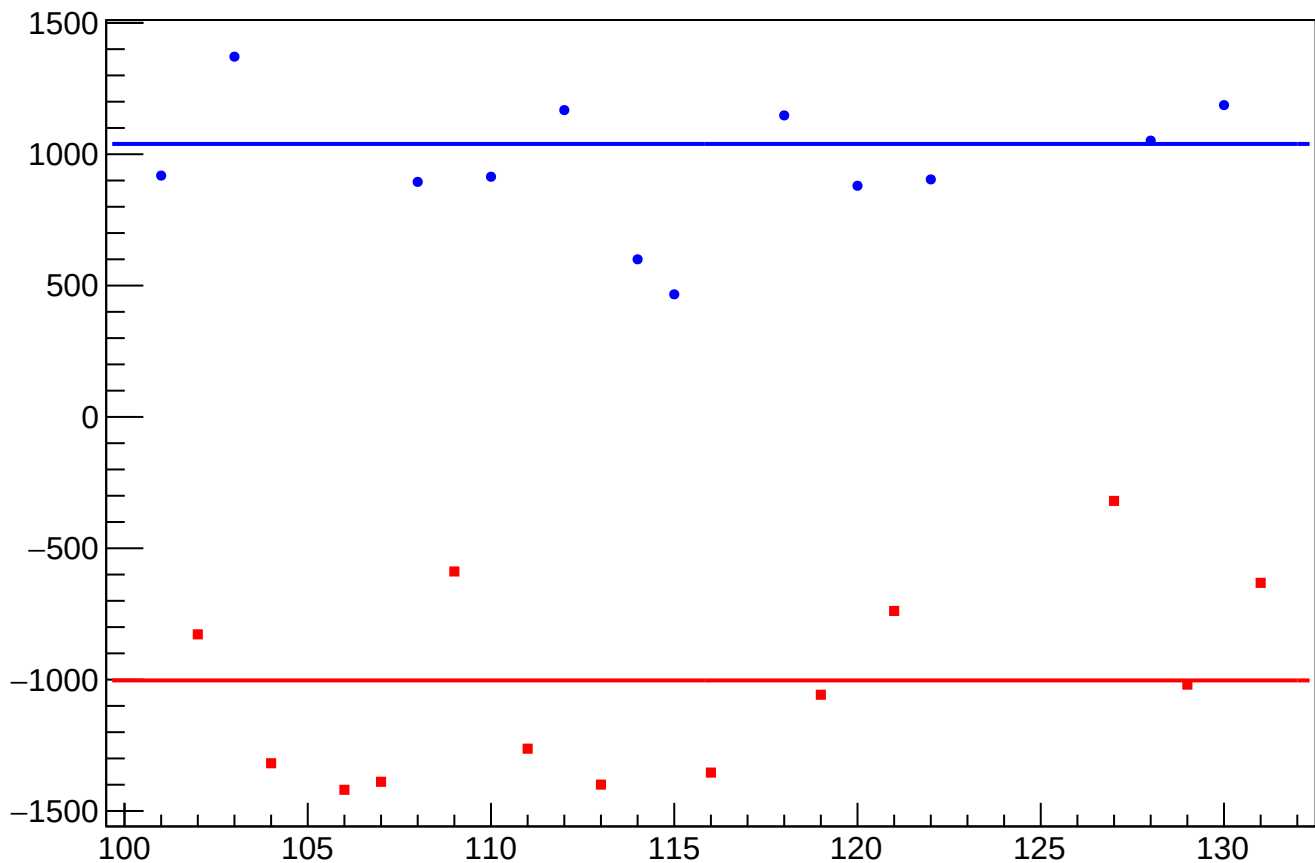
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

393.053+/-0.000  $\chi^2/\text{NDF}$ : 107930789954809060713644424164538318848.0/11

-7.780+/-0.000  $\chi^2/\text{NDF}$ : 3421994161808.0/1

-367.593+/-0.000  $\chi^2/\text{NDF}$ : 81822716489093319121307268986173390848.0/12

dit\_usl\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

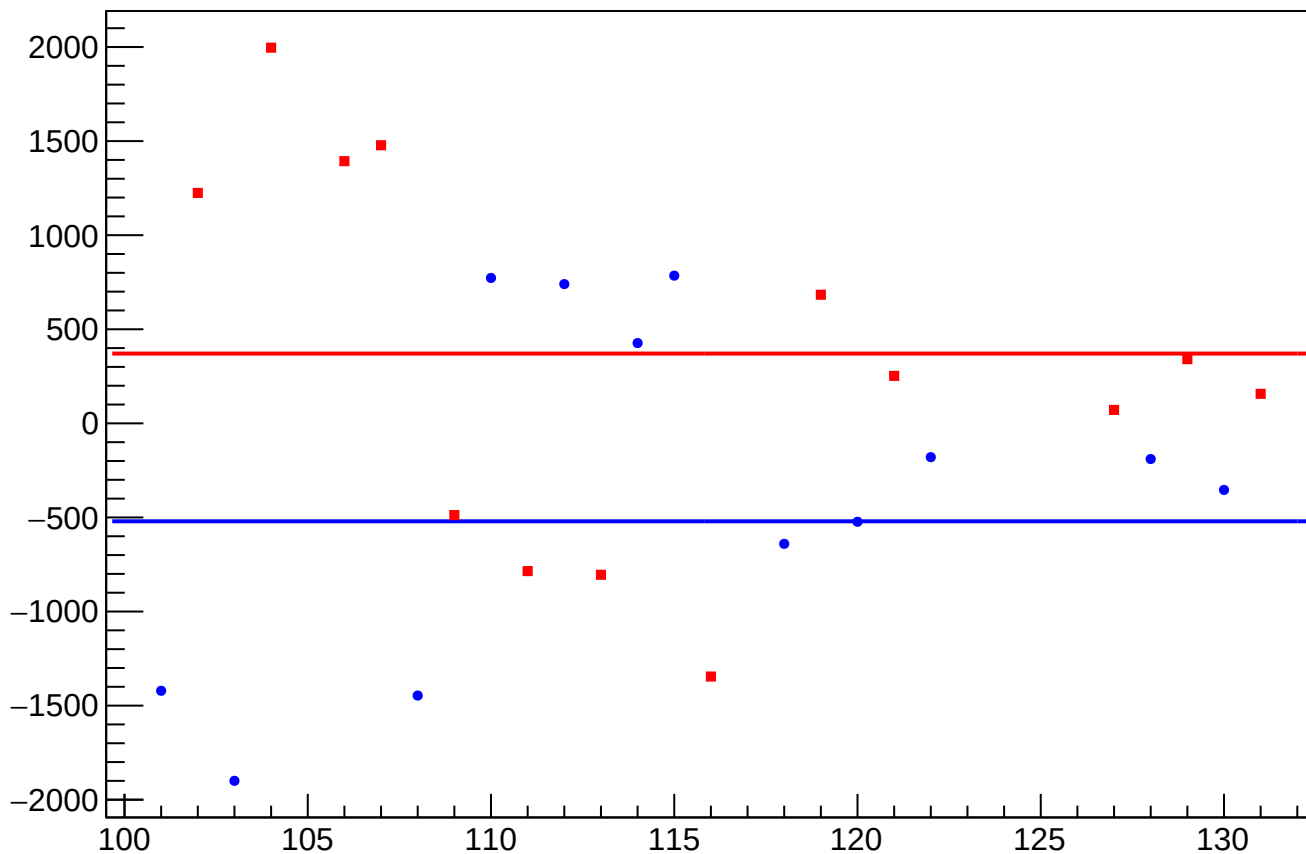
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

# dit\_usr\_coil6\_mean vs Slug, Sign Corrected



Right In: -520.495+/-0.000  $\chi^2/\text{NDF}$ : 374766038038307463210833715339146035200.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 370.905+/-0.000  $\chi^2/\text{NDF}$ : 501399544542615698057504671438087389184.0/12

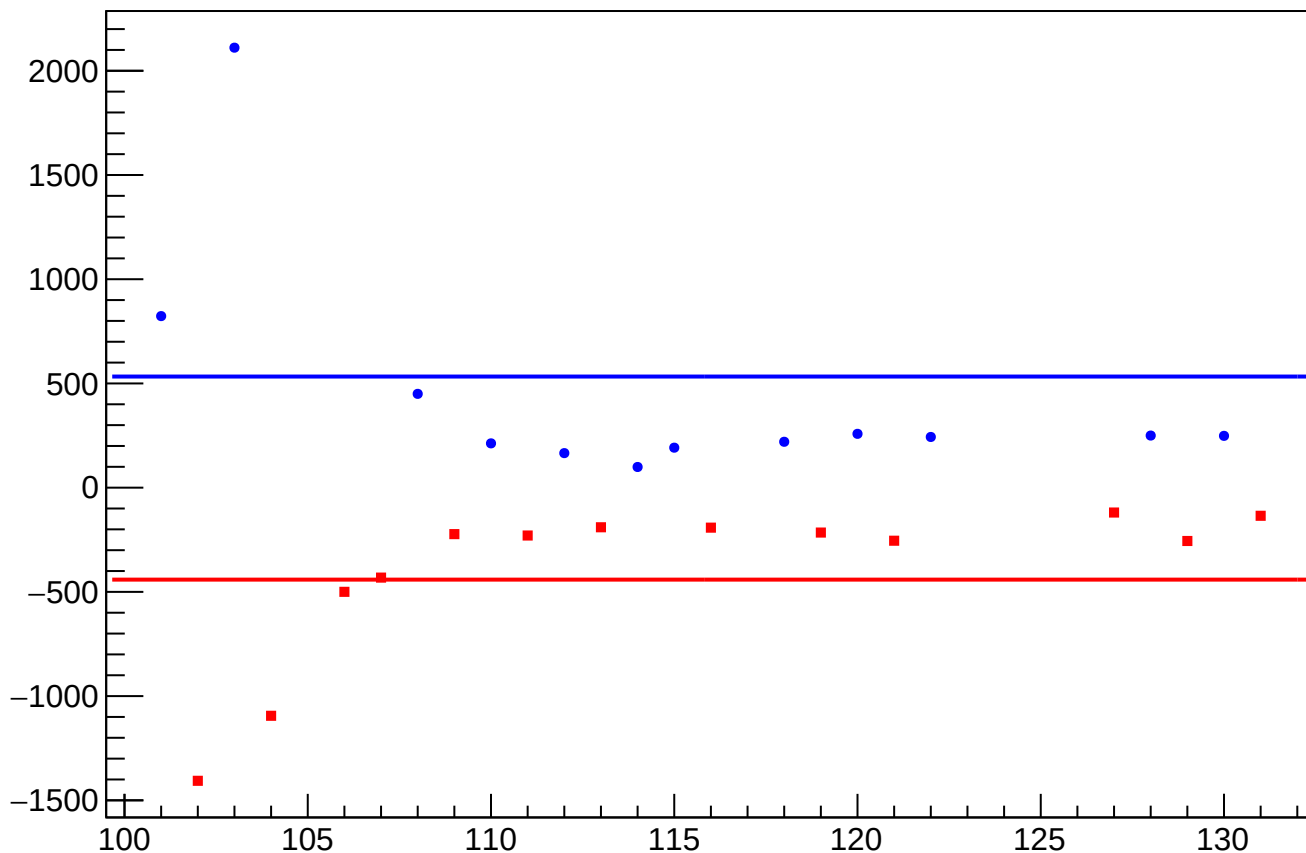
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-520.495+/-0.000  $\chi^2/\text{NDF}$ : 3747660380383074

-50.760+/-0.000  $\chi^2/\text{NDF}$ : 108552641660

370.905+/-0.000  $\chi^2/\text{NDF}$ : 50139954454261569

dit\_usr\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 533.099+/-0.000  $\chi^2/\text{NDF}$ : 185901051250372752777788477679895314432.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -441.189+/-0.000  $\chi^2/\text{NDF}$ : 98292172115250741602297817518527479808.0/12

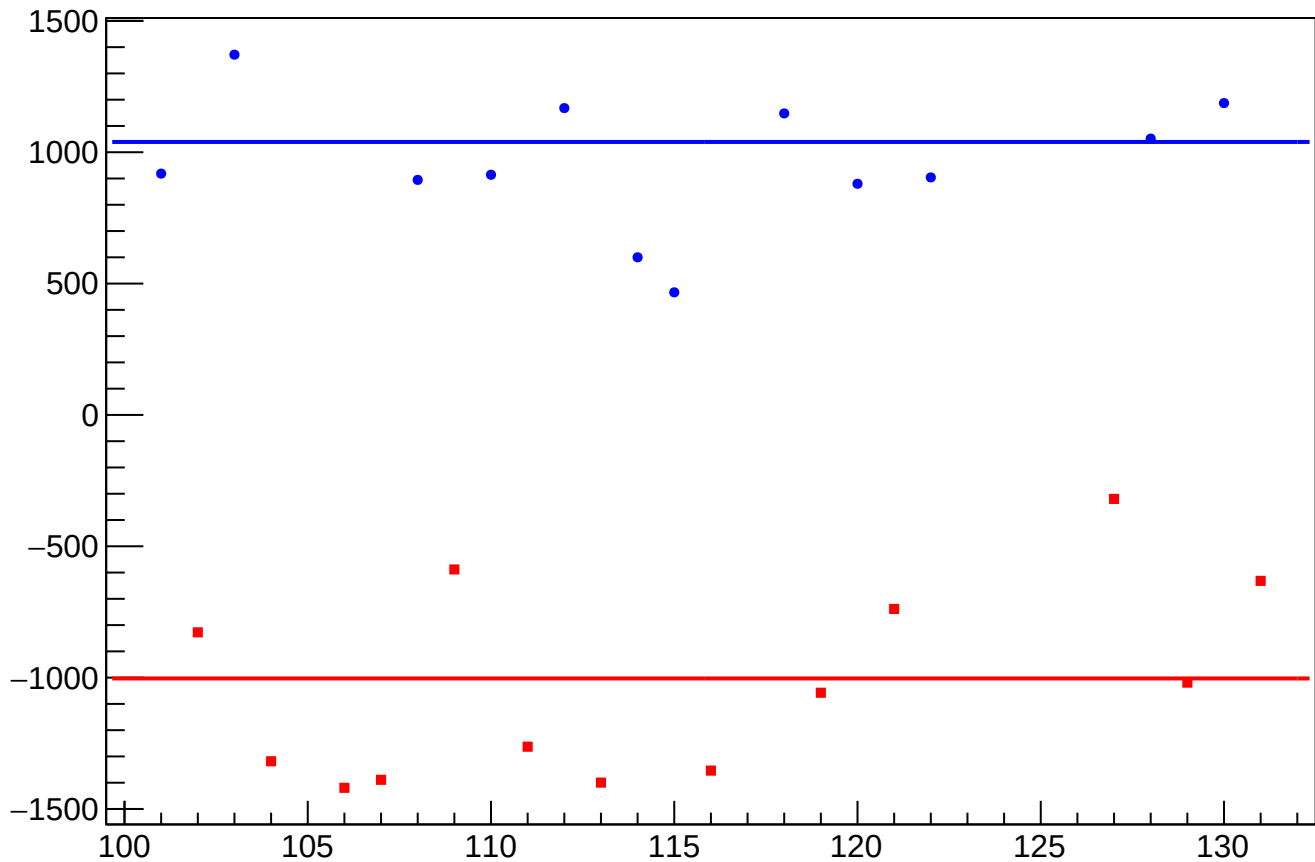
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

533.099+/-0.000  $\chi^2/\text{NDF}$ : 18590105125037275

19.685+/-0.000  $\chi^2/\text{NDF}$ : 5342996915401

-441.189+/-0.000  $\chi^2/\text{NDF}$ : 9829217211525074

dit\_usr\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/NDF$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/NDF$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/NDF$ : 67989775798644801665814540851129352192.0/12

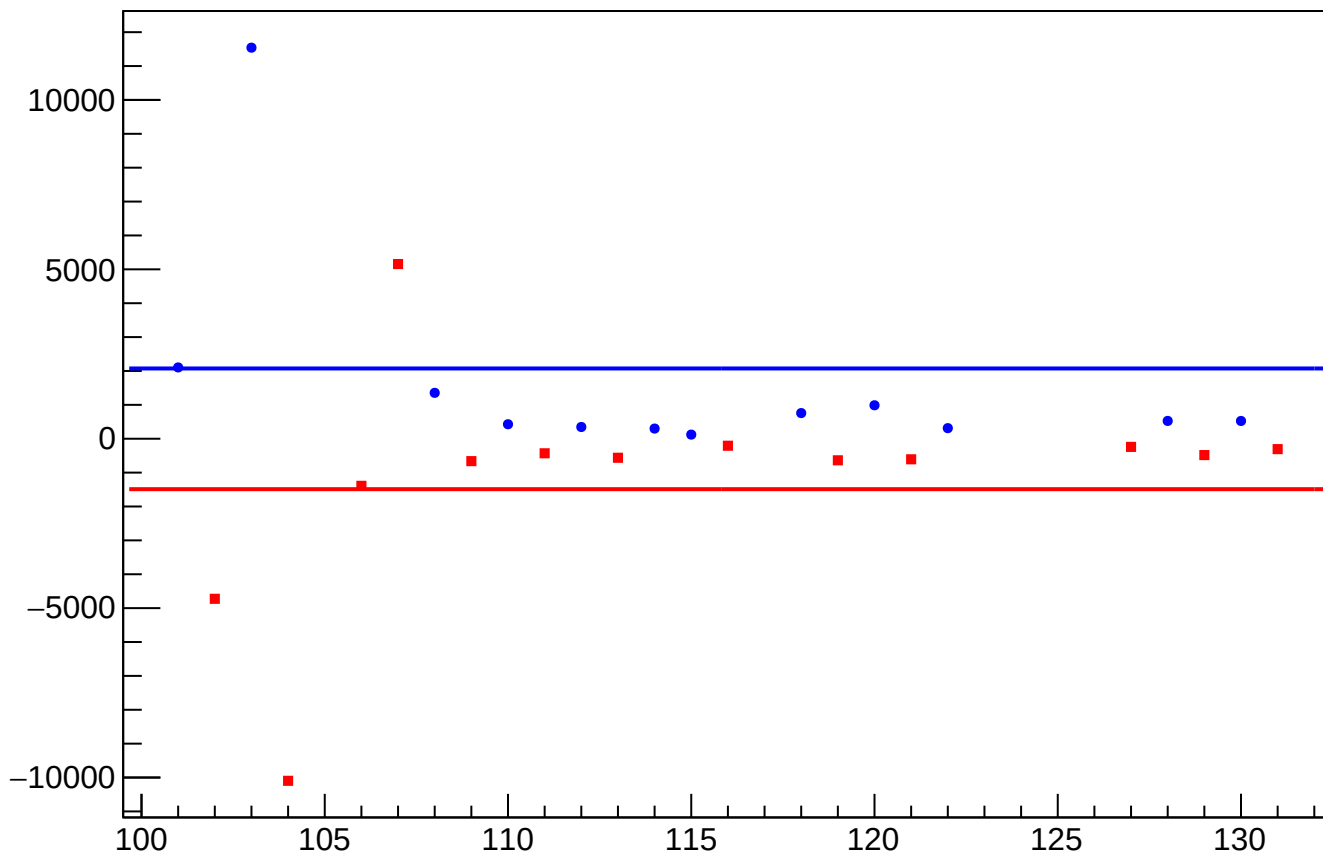
Left In: 0.000+/-0.000  $\chi^2/NDF$ : 0.0/0

1039.154+/-0.000  $\chi^2/NDF$ : 19198950493353905370323409992719269888.0/11

-37.029+/-0.000  $\chi^2/NDF$ : 118609920903.0/11

-1003.083+/-0.000  $\chi^2/NDF$ : 67989775798644801665814540851129352192.0/12

# dit\_atl1\_coil6\_mean vs Slug, Sign Corrected



Right In: 2073.844+/-0.000  $\chi^2/\text{NDF}$ : 6152145128677468910521364990843896725504.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1488.892+/-0.000  $\chi^2/\text{NDF}$ : 6373082344732632695129569403203695411200.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

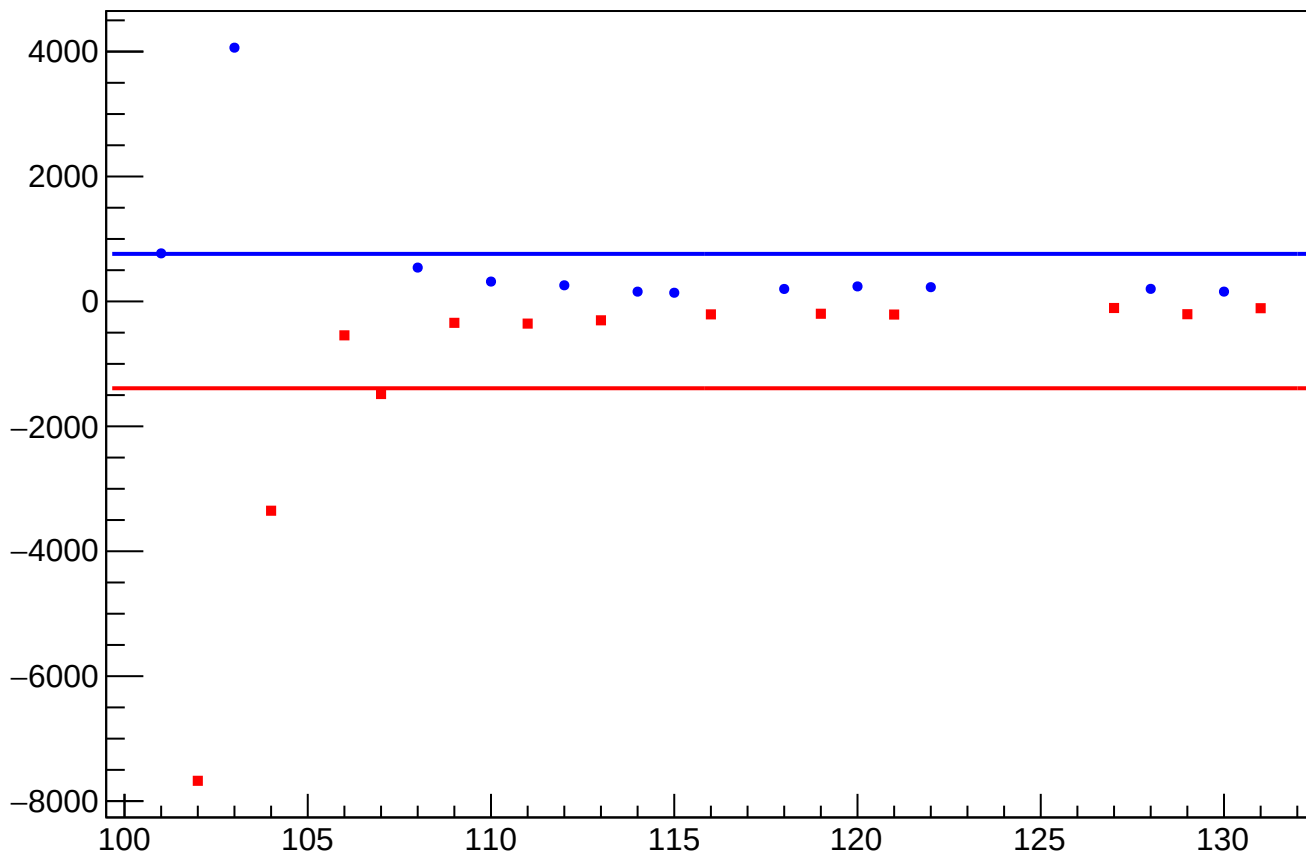
2073.844+/-0.000  $\chi^2/\text{NDF}$ : 6152145128677468

196.414+/-0.000  $\chi^2/\text{NDF}$ : 158696223420

-1488.892+/-0.000  $\chi^2/\text{NDF}$ : 637308234473263



dit\_atl1\_coil6\_err\_mean vs Slug, Sign Corrected



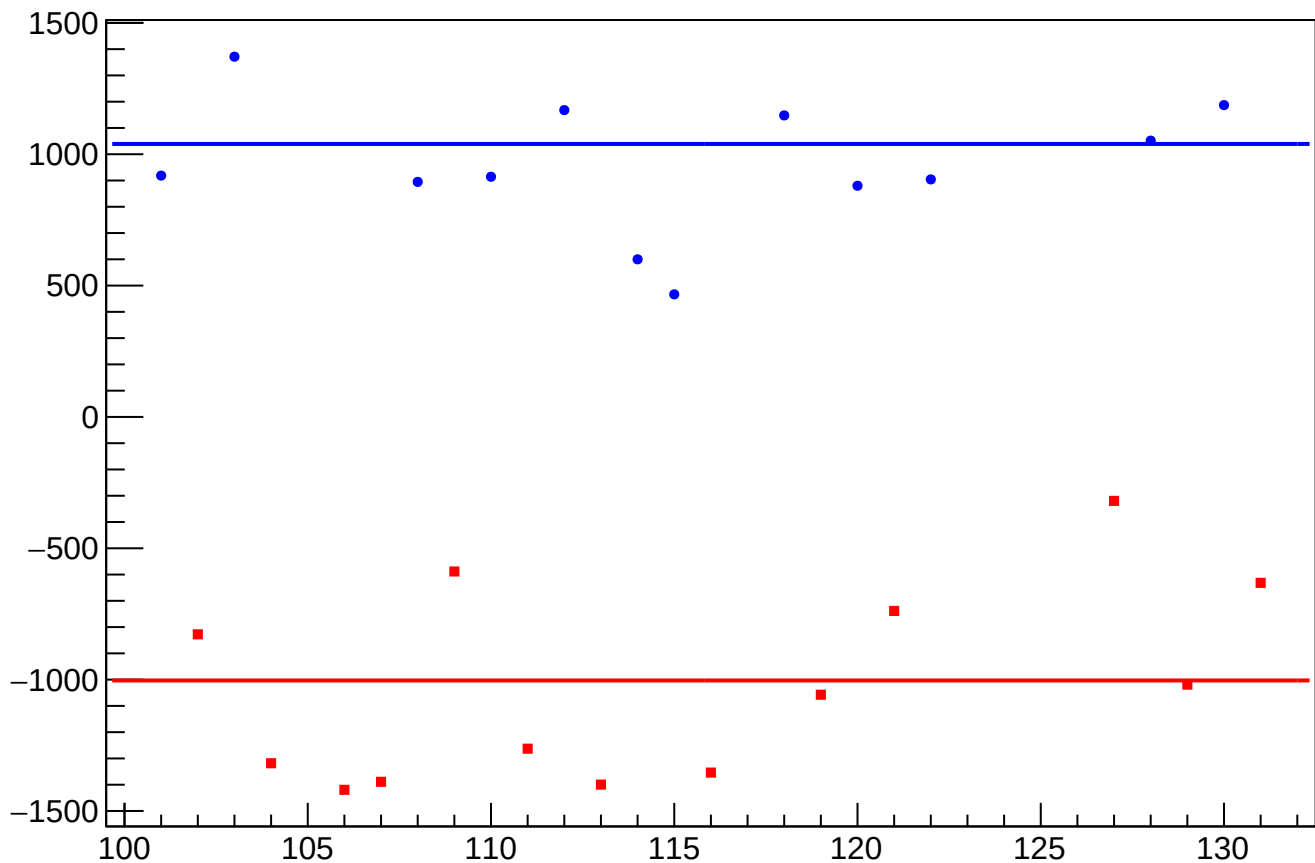
Right In: 761.137+/-0.000  $\chi^2/\text{NDF}$ : 747284904062635225352377009242644676608.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1390.316+/-0.000  $\chi^2/\text{NDF}$ : 3024103946074429783822116712576188416000.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

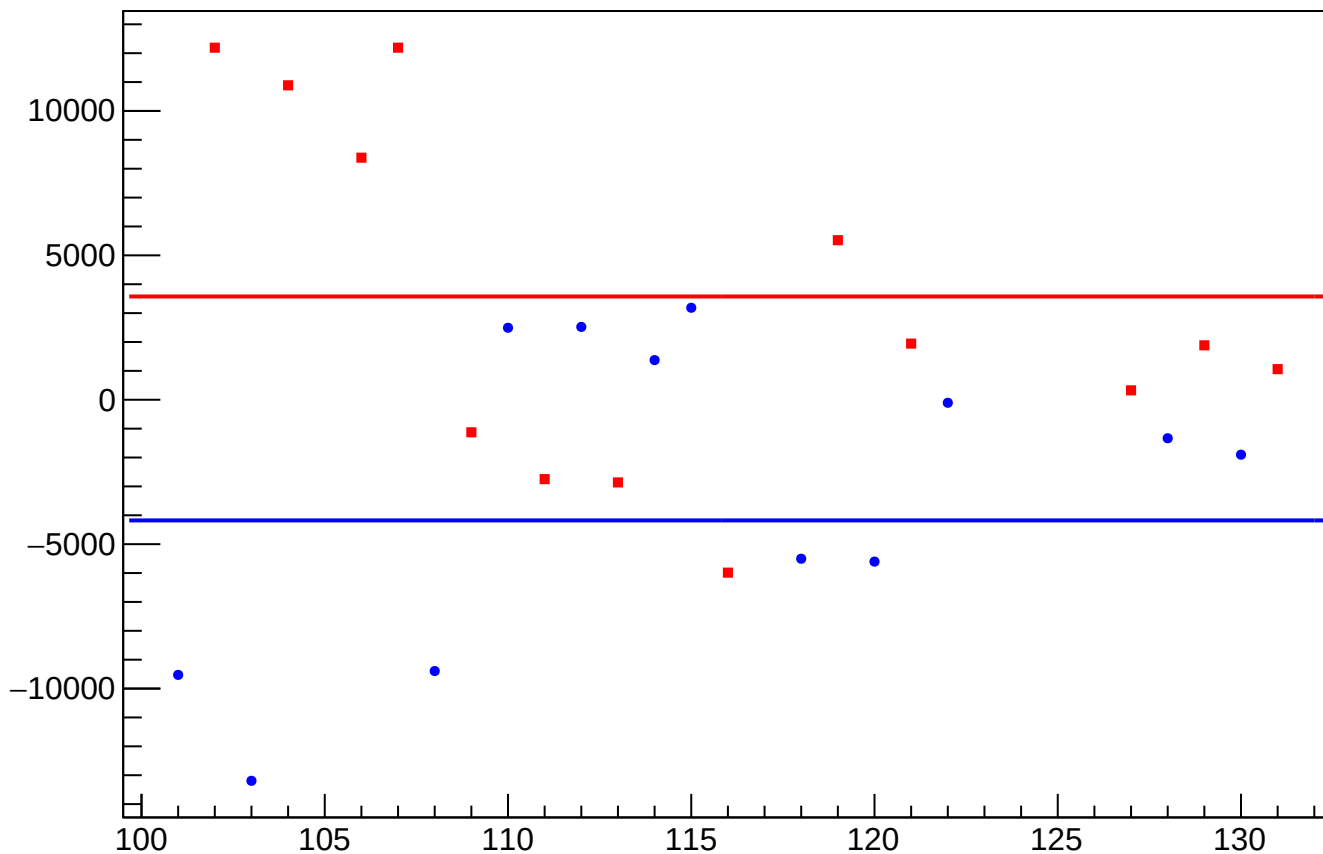
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

dit\_atl2\_coil6\_mean vs Slug, Sign Corrected



Right In: -4177.497+/-0.000  $\chi^2/\text{NDF}$ : 13893390094188233681823310576310330327040.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3576.239+/-0.000  $\chi^2/\text{NDF}$ : 18705510437766252982872455153858895675392.0/12

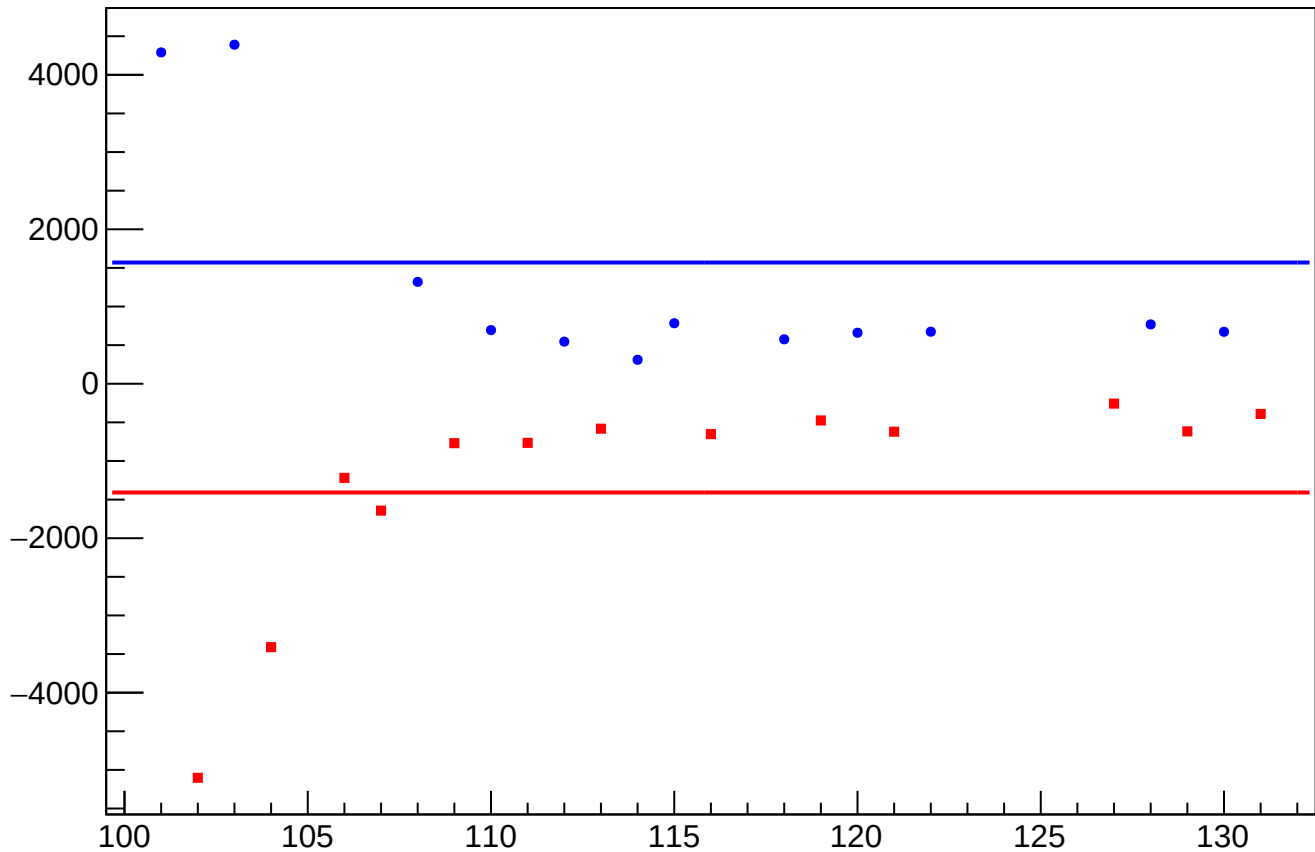
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4177.497+/-0.000  $\chi^2/\text{NDF}$ : 138933900941882

-91.564+/-0.000  $\chi^2/\text{NDF}$ : 484395201784

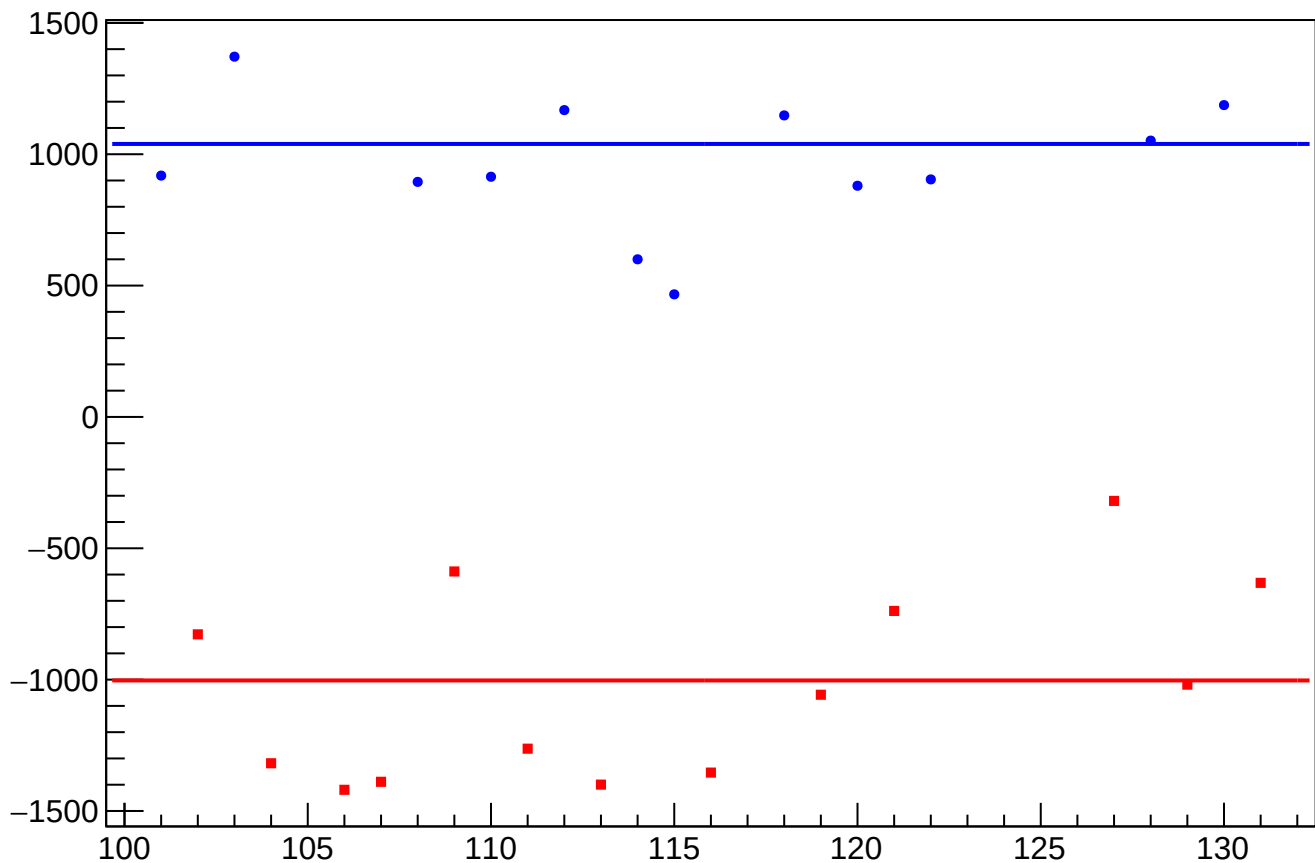
3576.239+/-0.000  $\chi^2/\text{NDF}$ : 1870551043776625

dit\_atl2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1569.686+/-0.000  $\chi^2/\text{NDF}$ : 1204949772039874109418747451435747639296.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -1407.890+/-0.000  $\chi^2/\text{NDF}$ : 1276447376352118278807383464852213202944.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

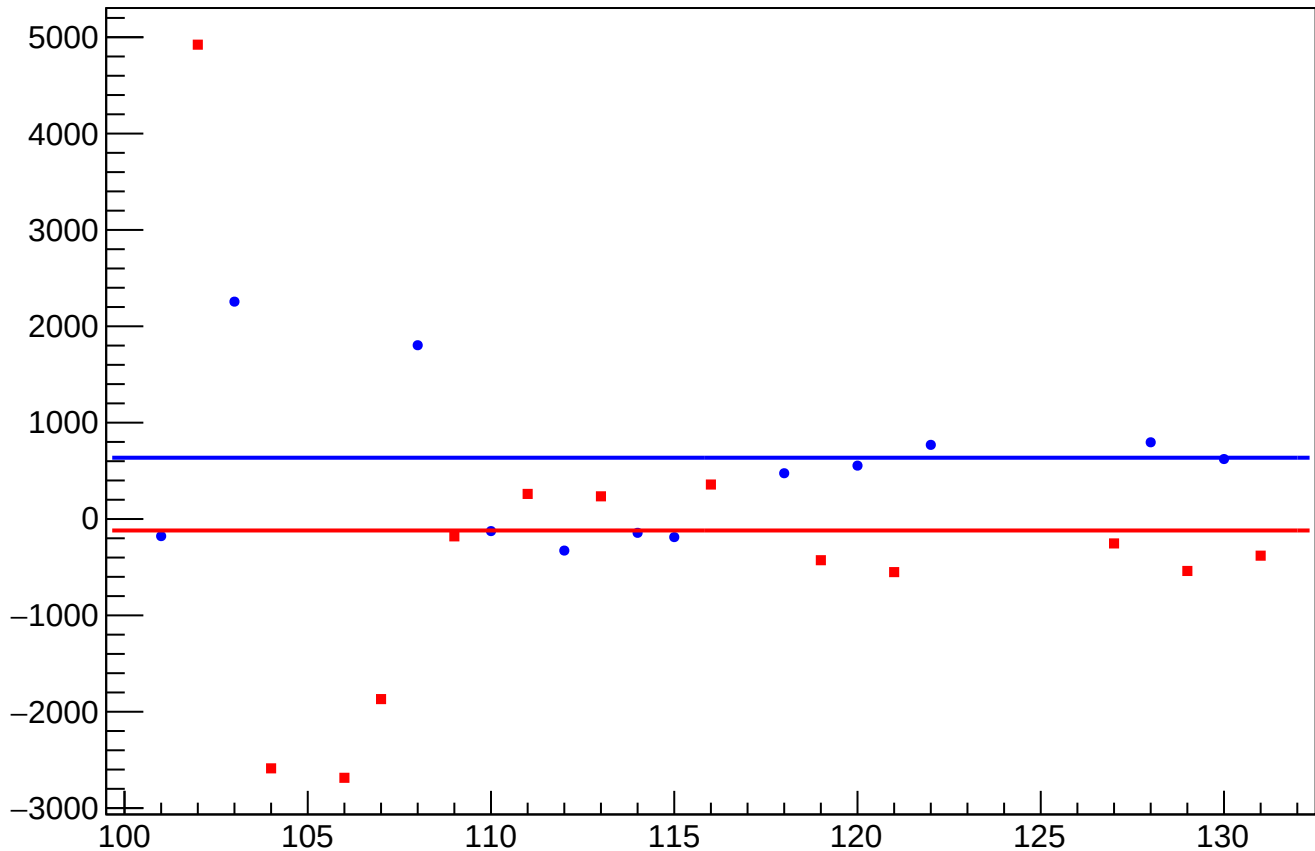
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

# dit\_atr1\_coil6\_mean vs Slug, Sign Corrected



Right In: 636.125+/-0.000  $\chi^2/\text{NDF}$ : 331506435799845099735852785316086677504.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -118.982+/-0.000  $\chi^2/\text{NDF}$ : 2140647723746767189240590836263513227264.0/12

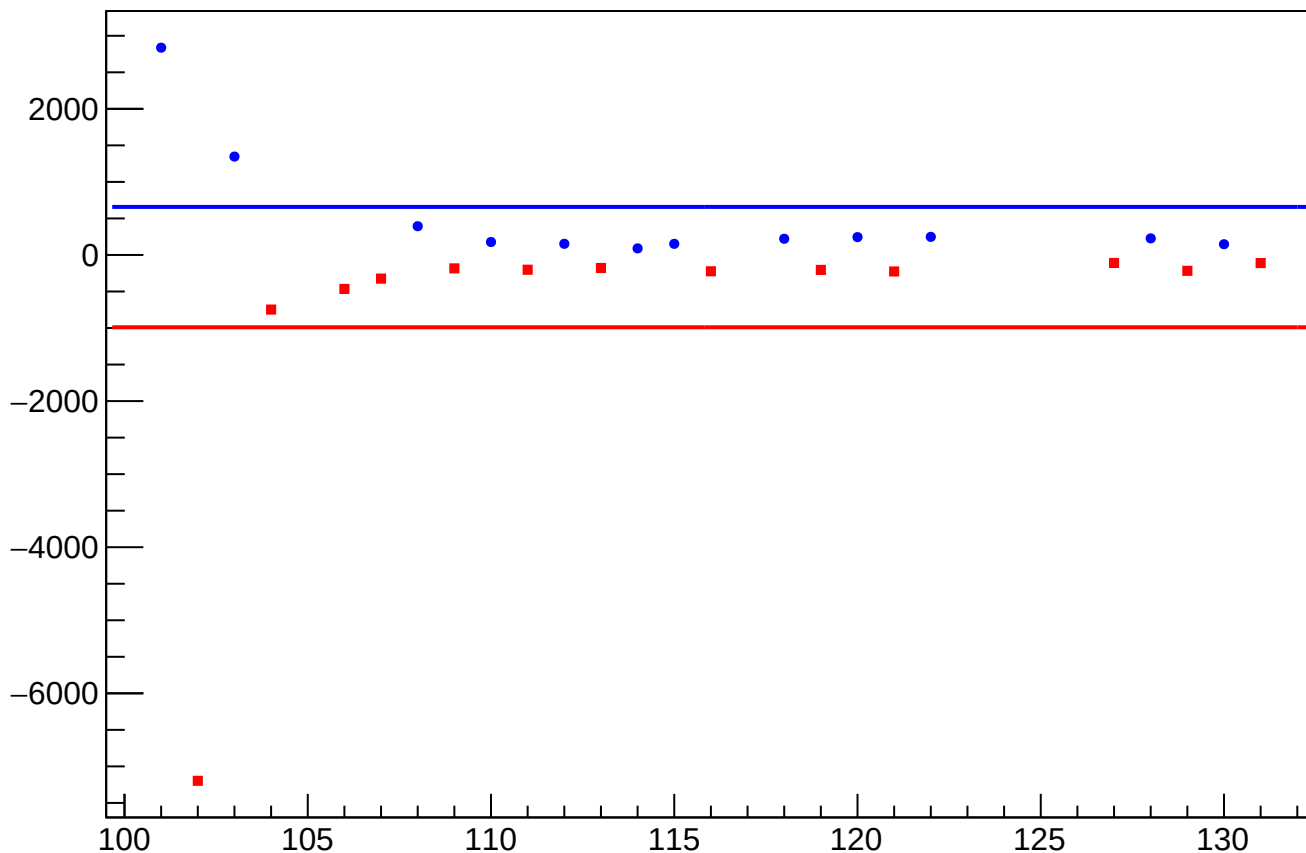
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

636.125+/-0.000  $\chi^2/\text{NDF}$ : 331506435799845099735852785316086677504.0/11

238.211+/-0.000  $\chi^2/\text{NDF}$ : 262238790455

-118.982+/-0.000  $\chi^2/\text{NDF}$ : 2140647723746767189240590836263513227264.0/12

dit\_atr1\_coil6\_err\_mean vs Slug, Sign Corrected



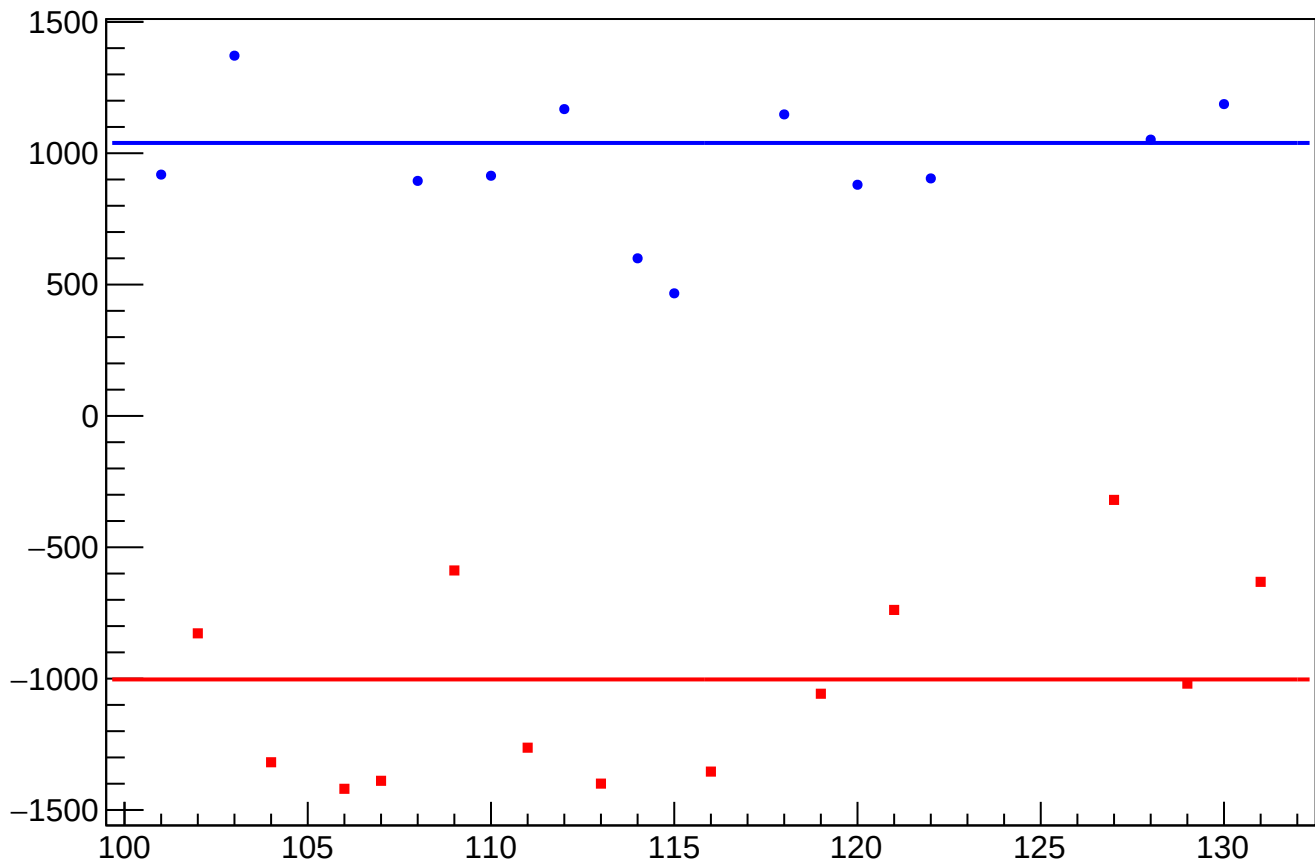
Right In: 657.790+/-0.000  $\chi^2/\text{NDF}$ : 385302929777927694131896540009263529984.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -989.841+/-0.000  $\chi^2/\text{NDF}$ : 2510991321204264768251264227315107758080.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

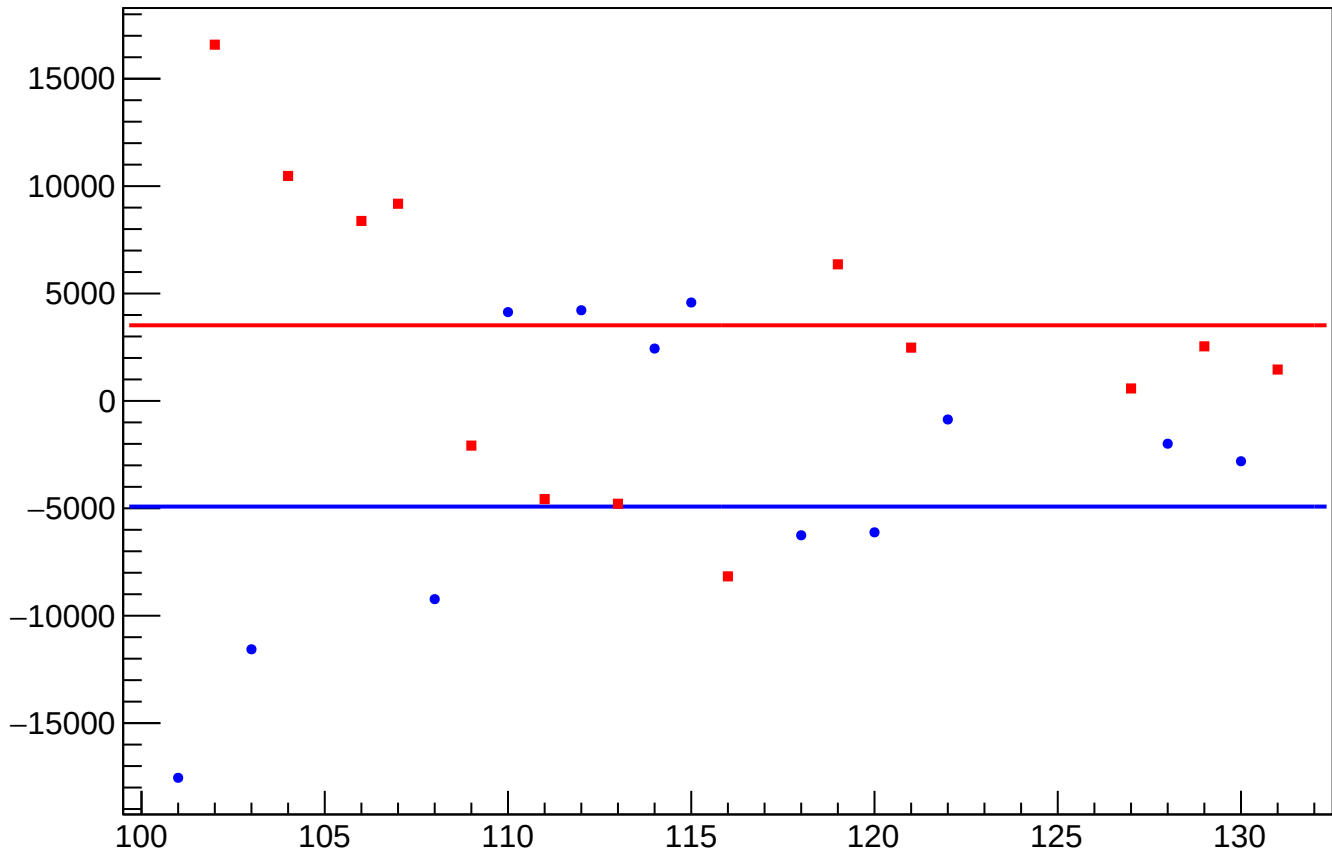
1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448



# dit\_atr2\_coil6\_mean vs Slug, Sign Corrected



Right In: -4918.898+/-0.000  $\chi^2/\text{NDF}$ : 23011913928868573077214278035601784569856.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3521.032+/-0.000  $\chi^2/\text{NDF}$ : 26493484572994147773080917546109279141888.0/12

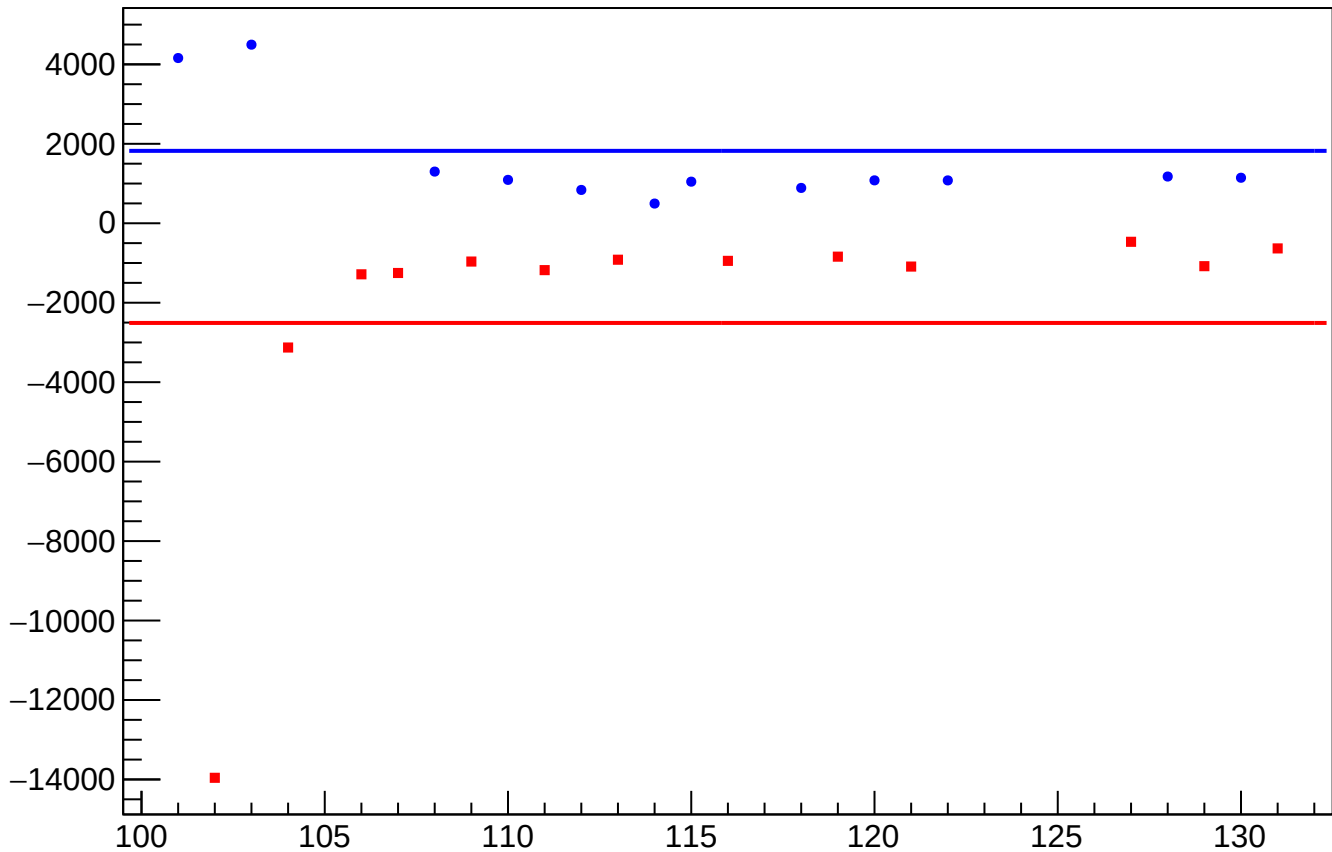
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4918.898+/-0.000  $\chi^2/\text{NDF}$ : 230119139288685

-471.367+/-0.000  $\chi^2/\text{NDF}$ : 68273827448

3521.032+/-0.000  $\chi^2/\text{NDF}$ : 2649348457299414

# dit\_atr2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1822.700+/-0.000  $\chi^2/\text{NDF}$ : 983417744568586456779707172085305442304.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1822.700+/-0.000  $\chi^2/\text{NDF}$ : 9834177445685864

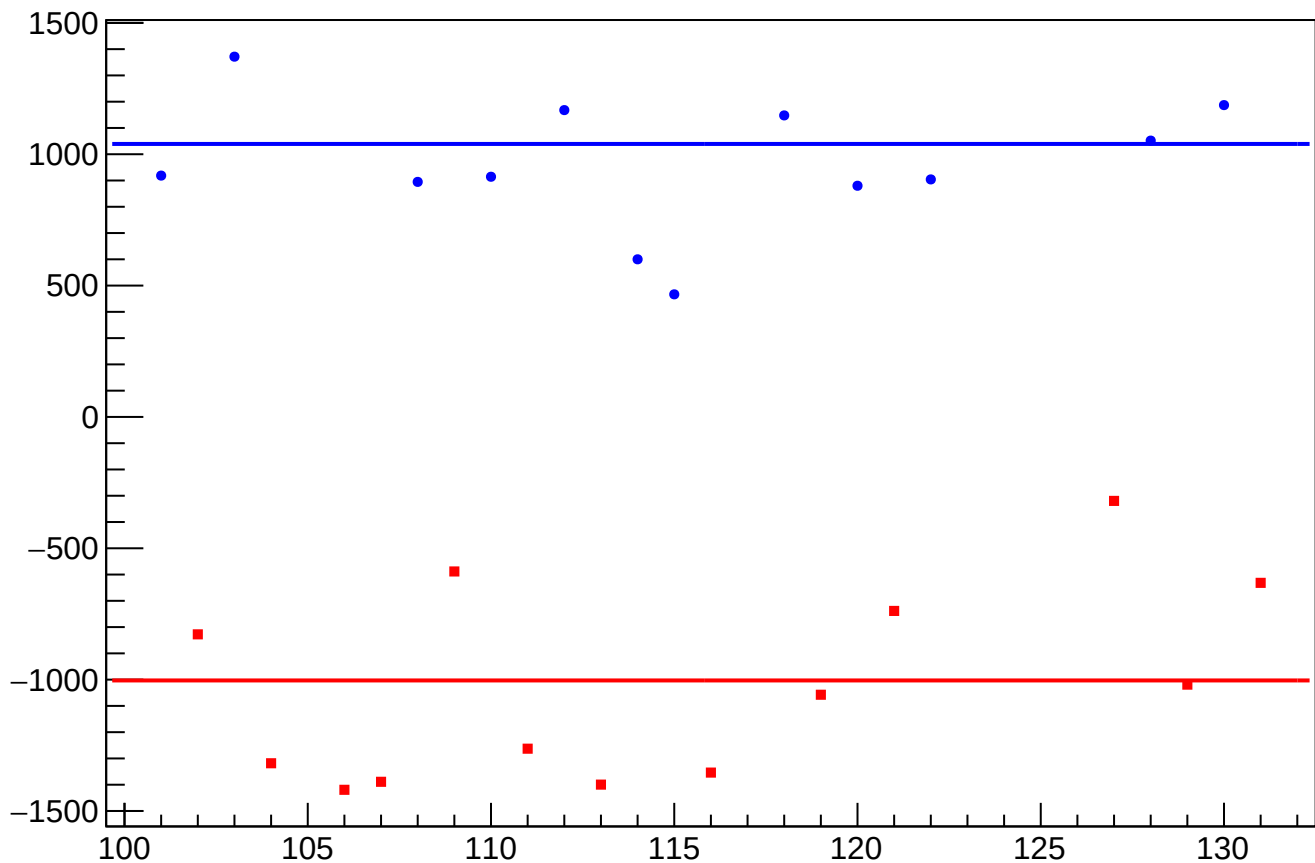
-459.926+/-0.000  $\chi^2/\text{NDF}$ : 14654986529

Right Out: -2508.963+/-0.000  $\chi^2/\text{NDF}$ : 8727785487381967416248781800535507337216.0/12

-2508.963+/-0.000  $\chi^2/\text{NDF}$ : 872778548738196

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

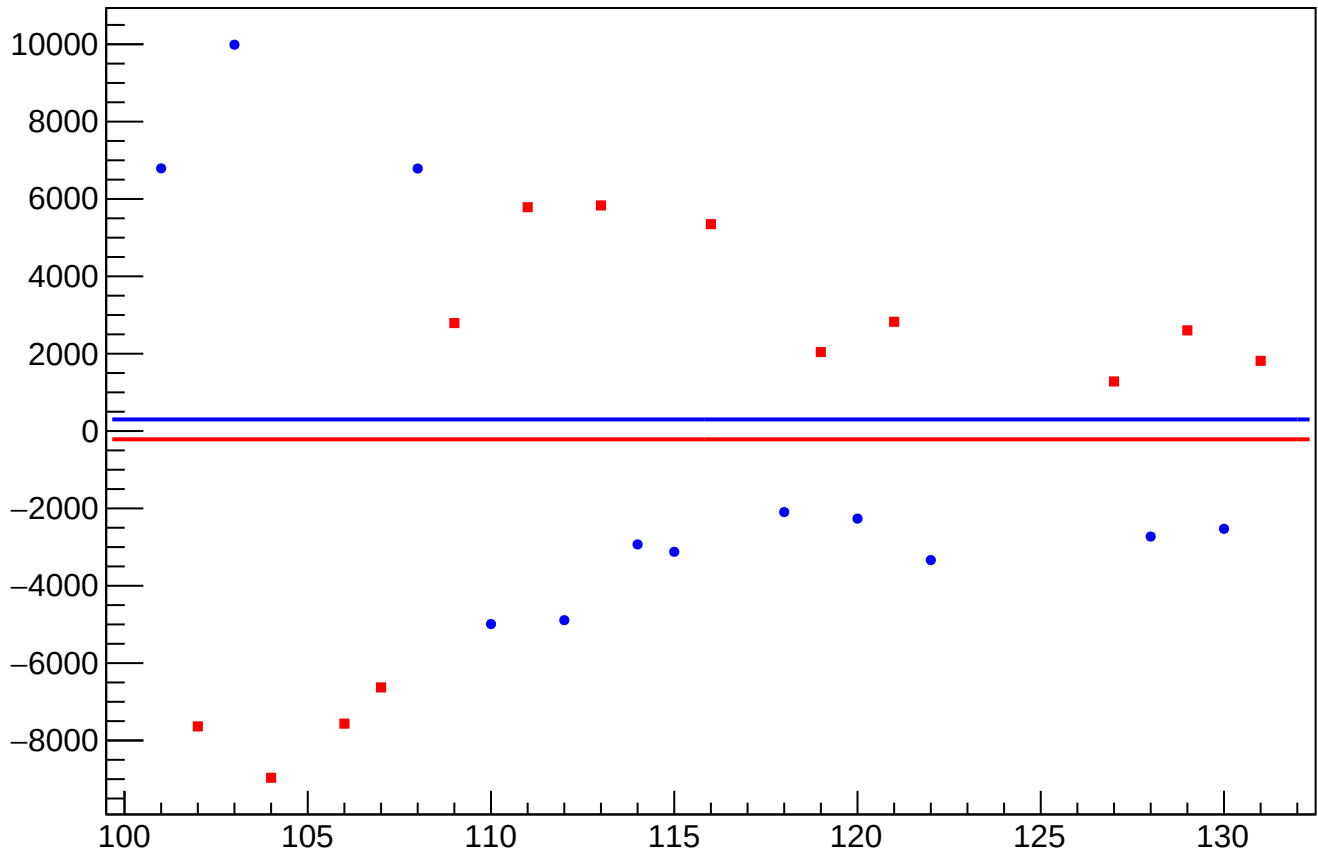
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

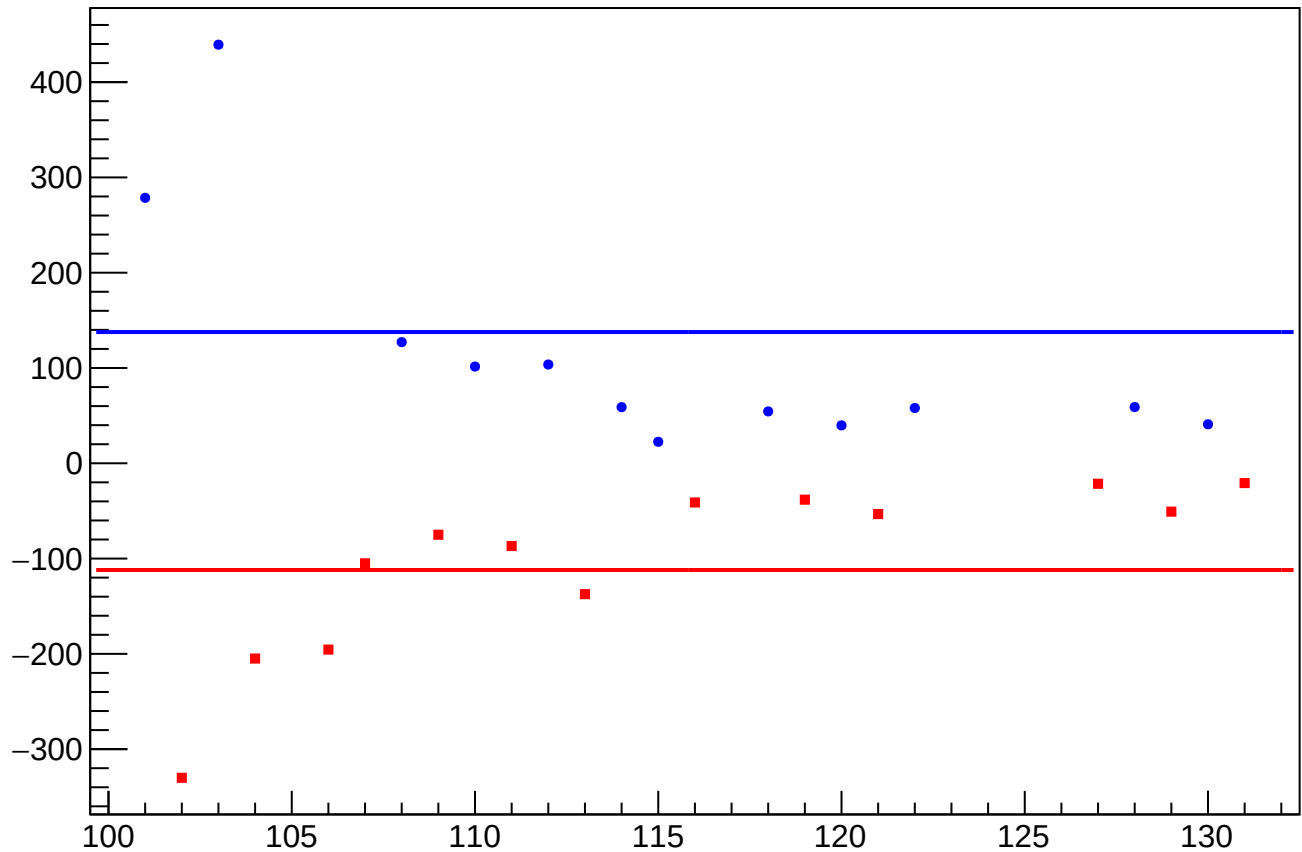
-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

dit\_sam1\_coil6\_mean vs Slug, Sign Corrected



Right In: 299.960+/-0.000  $\chi^2/\text{NDF}$ : 14205919738627635094446470261937331503104.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -213.403+/-0.000  $\chi^2/\text{NDF}$ : 16000220867274141401590765671317829058560.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 137.719+/-0.000  $\chi^2/\text{NDF}$ : 8667099614218216035184969638488309760.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -111.988+/-0.000  $\chi^2/\text{NDF}$ : 4918486208494485267616142019434381312.0/12

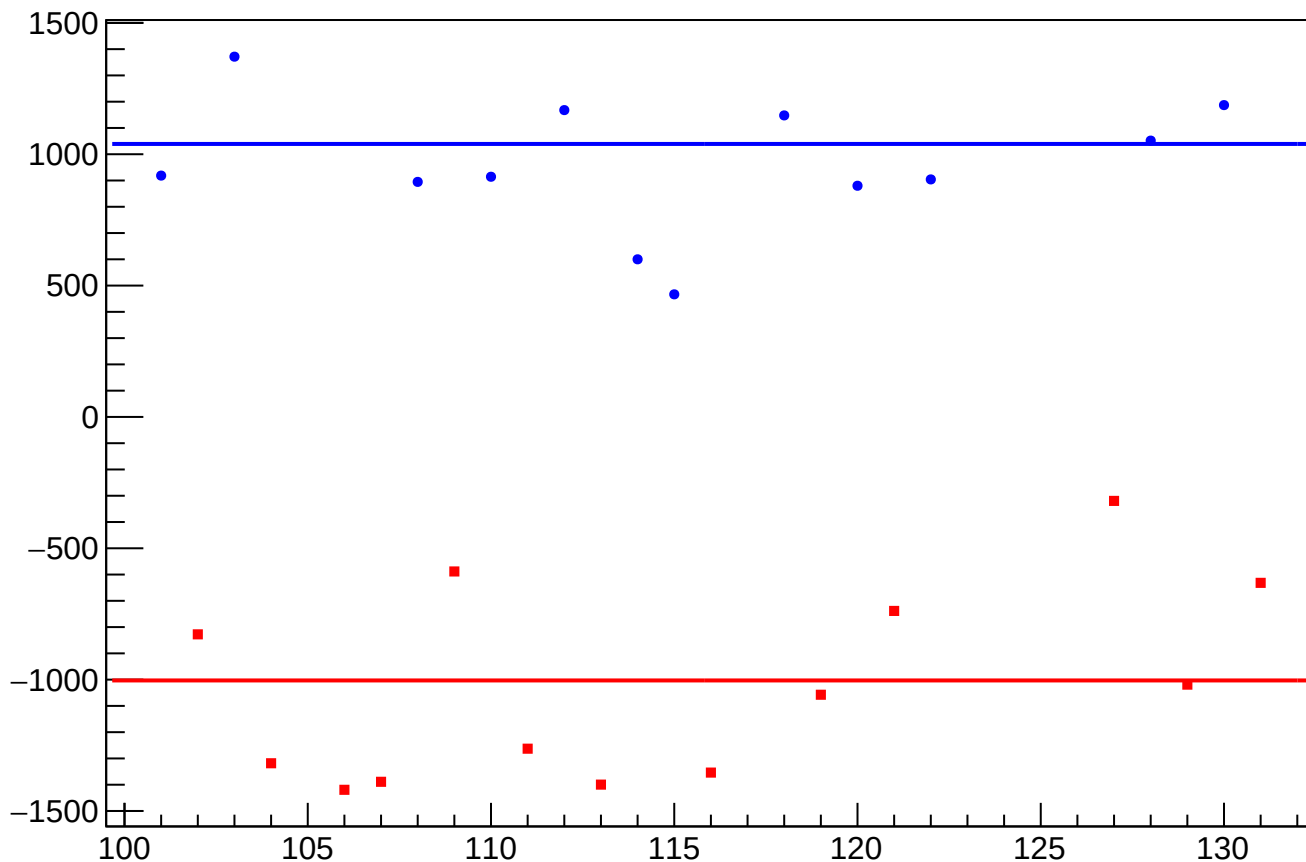
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

137.719+/-0.000  $\chi^2/\text{NDF}$ : 86670996142182160

6.133+/-0.000  $\chi^2/\text{NDF}$ : 30014567799190

-111.988+/-0.000  $\chi^2/\text{NDF}$ : 4918486208494485

dit\_sam1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

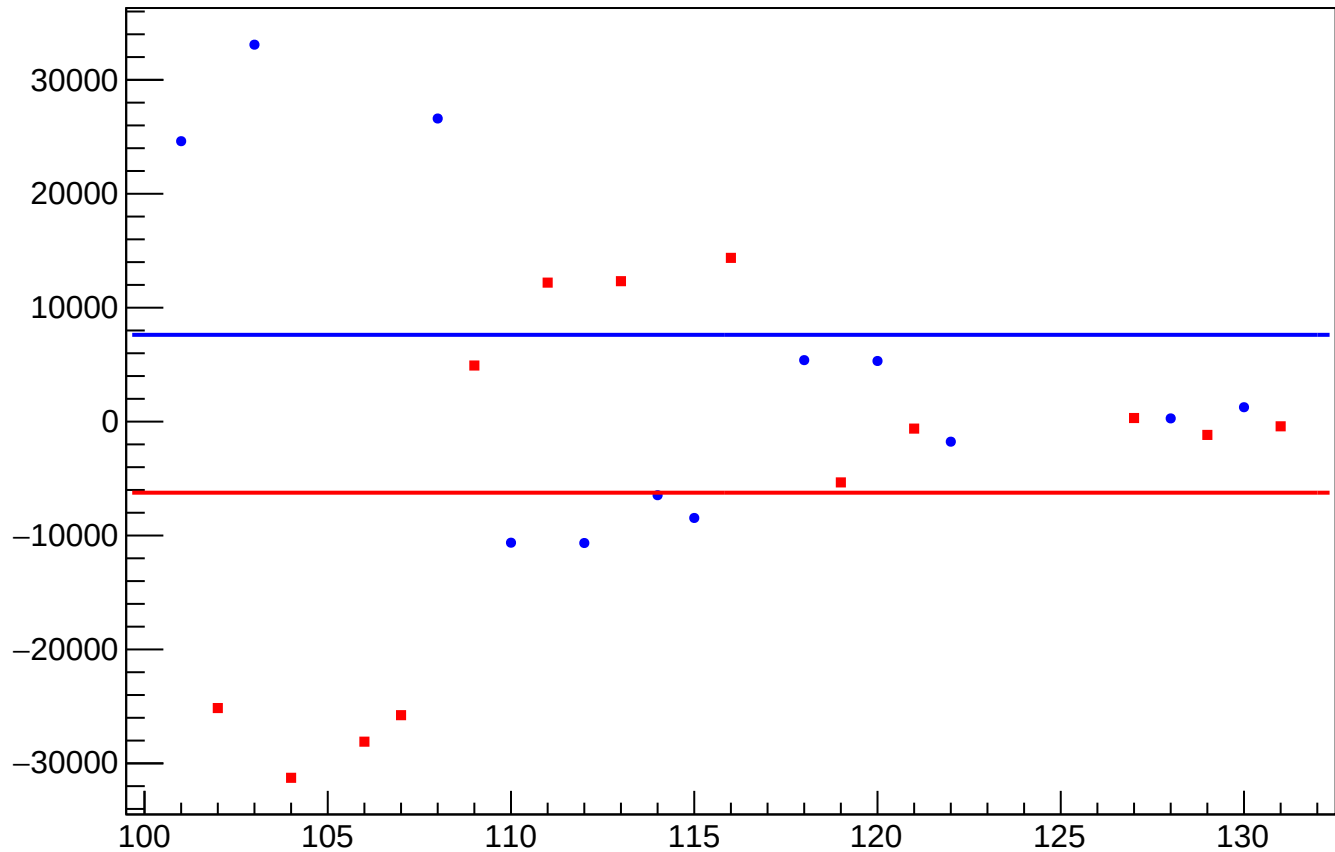
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903.0/1

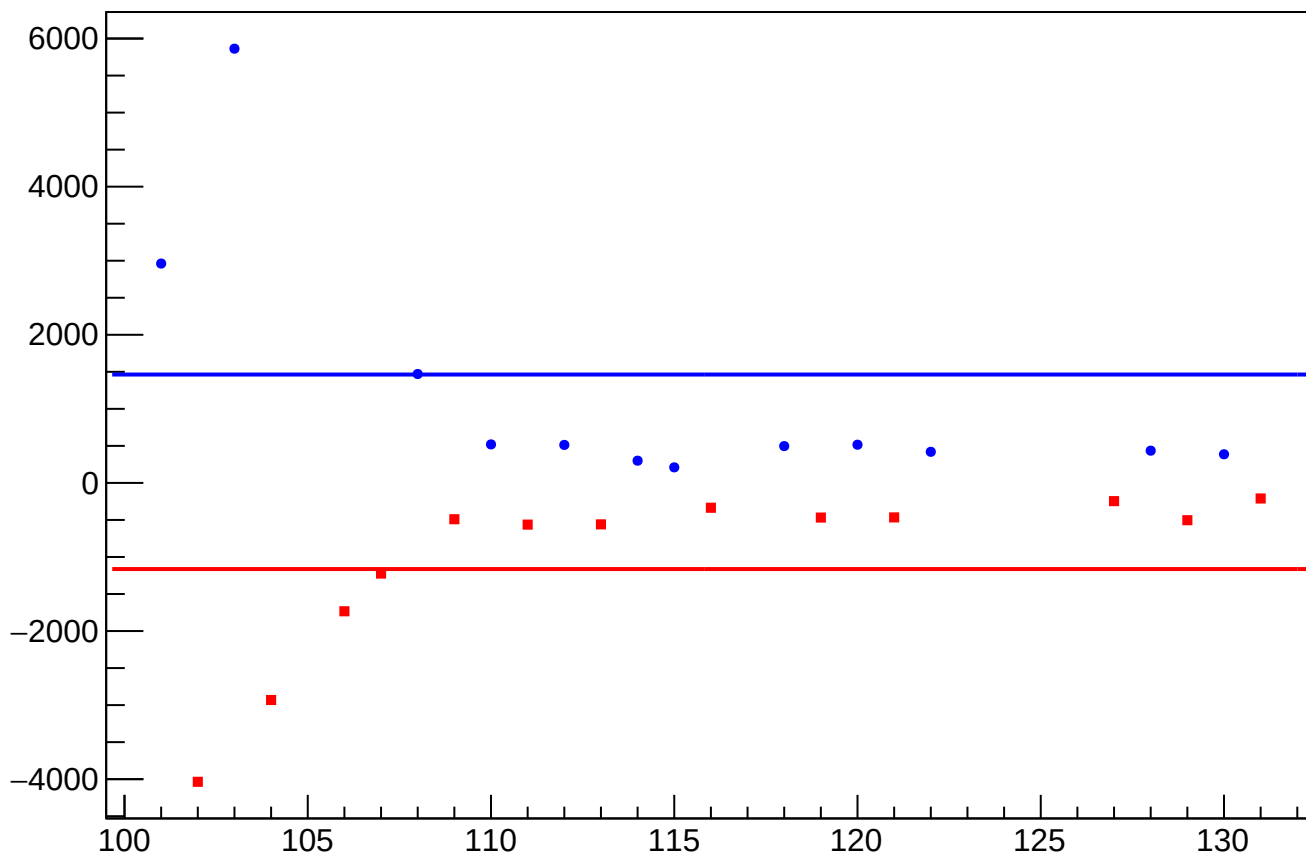
-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

dit\_sam2\_coil6\_mean vs Slug, Sign Corrected



Right In: 7617.403+/-0.000  $\chi^2/\text{NDF}$ : 111953653788073131424196436759160993873920.0/11  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -6239.890+/-0.000  $\chi^2/\text{NDF}$ : 134931983803574795018675382953870106820608.0/12  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1463.364+/-0.000  $\chi^2/\text{NDF}$ : 1629090334177375170798127977035846385664.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1162.962+/-0.000  $\chi^2/\text{NDF}$ : 854712219560926421389625005560393891840.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

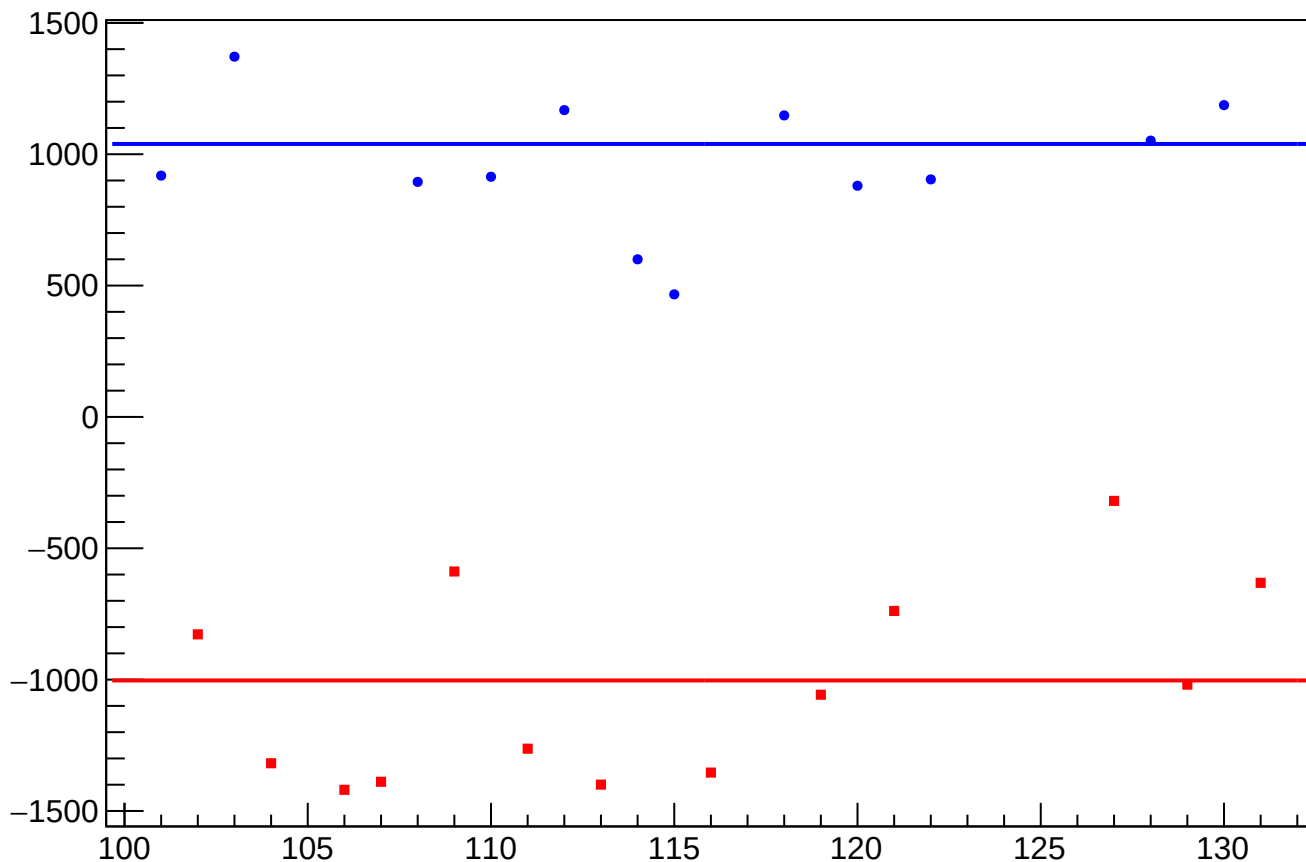
1463.364+/-0.000  $\chi^2/\text{NDF}$ : 1629090334177375

79.387+/-0.000  $\chi^2/\text{NDF}$ : 4301190385580

-1162.962+/-0.000  $\chi^2/\text{NDF}$ : 854712219560926



dit\_sam2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

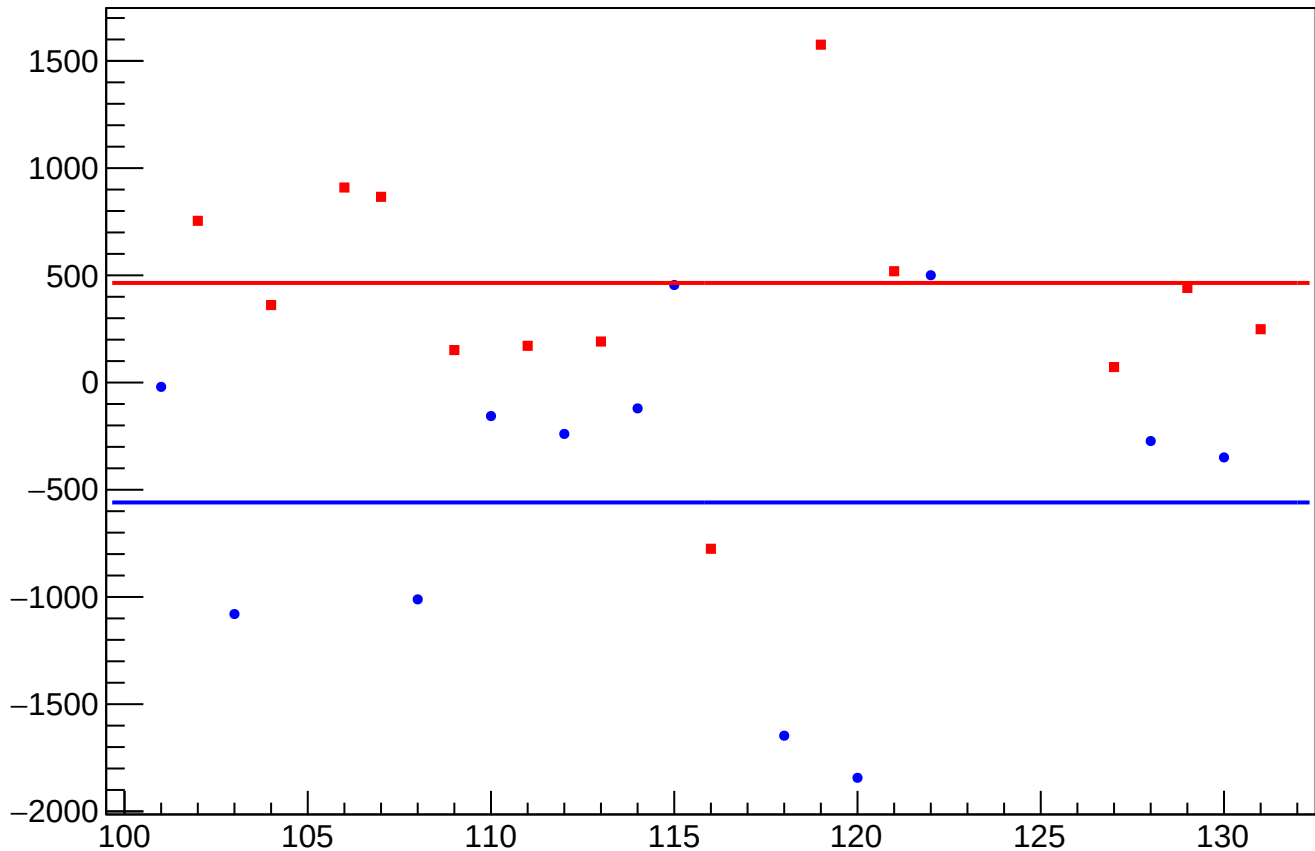
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

# dit\_sam3\_coil6\_mean vs Slug, Sign Corrected



Right In: -559.263+/-0.000  $\chi^2/\text{NDF}$ : 238369814932152842502241236088728322048.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 464.536+/-0.000  $\chi^2/\text{NDF}$ : 142265599612652953605527393590910648320.0/12

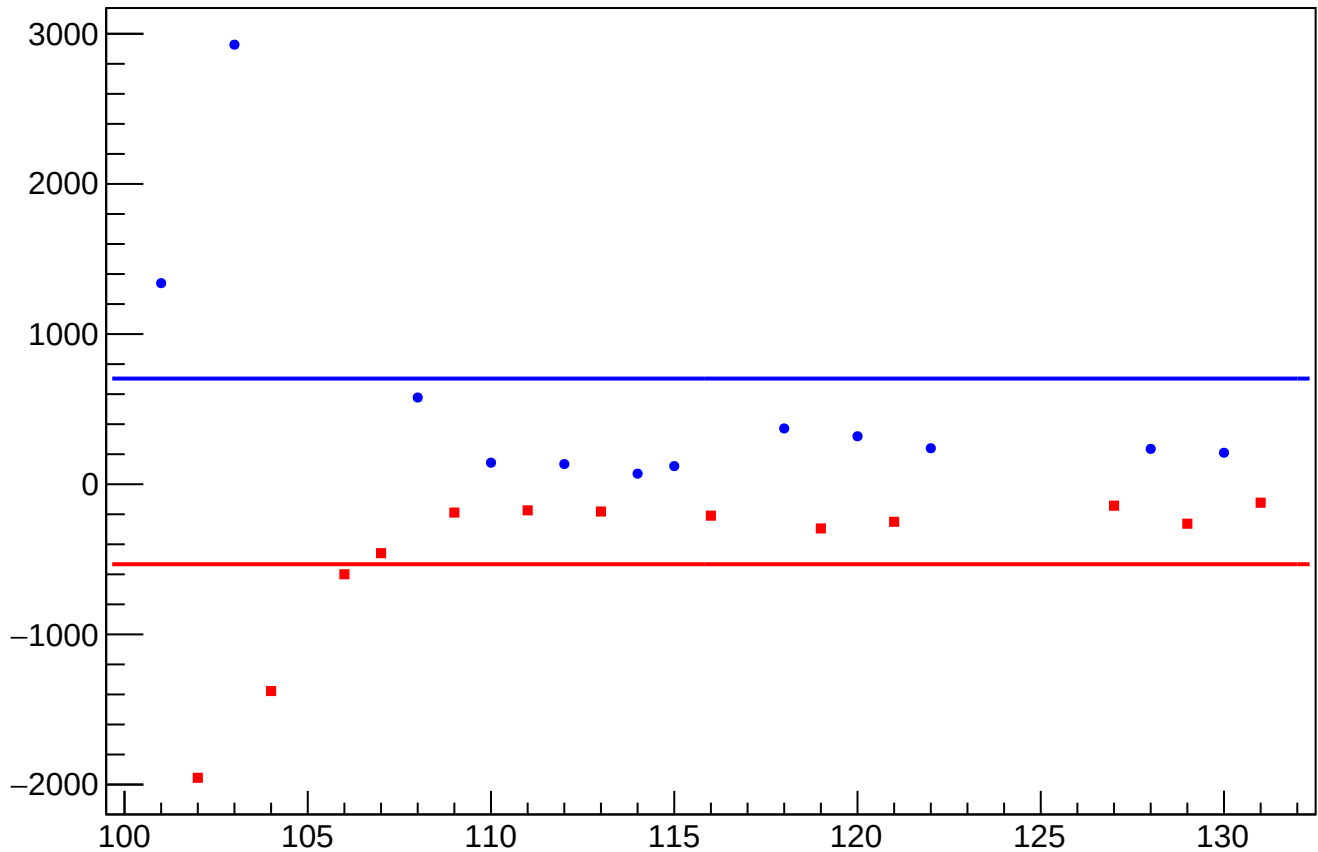
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-559.263+/-0.000  $\chi^2/\text{NDF}$ : 2383698149321528

-19.758+/-0.000  $\chi^2/\text{NDF}$ : 656807311458

464.536+/-0.000  $\chi^2/\text{NDF}$ : 14226559961265295

dit\_sam3\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 703.850+/-0.000  $\chi^2/\text{NDF}$ : 396763771665579688880055568165530238976.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

703.850+/-0.000  $\chi^2/\text{NDF}$ : 396763771665579688880055568165530238976.0/11

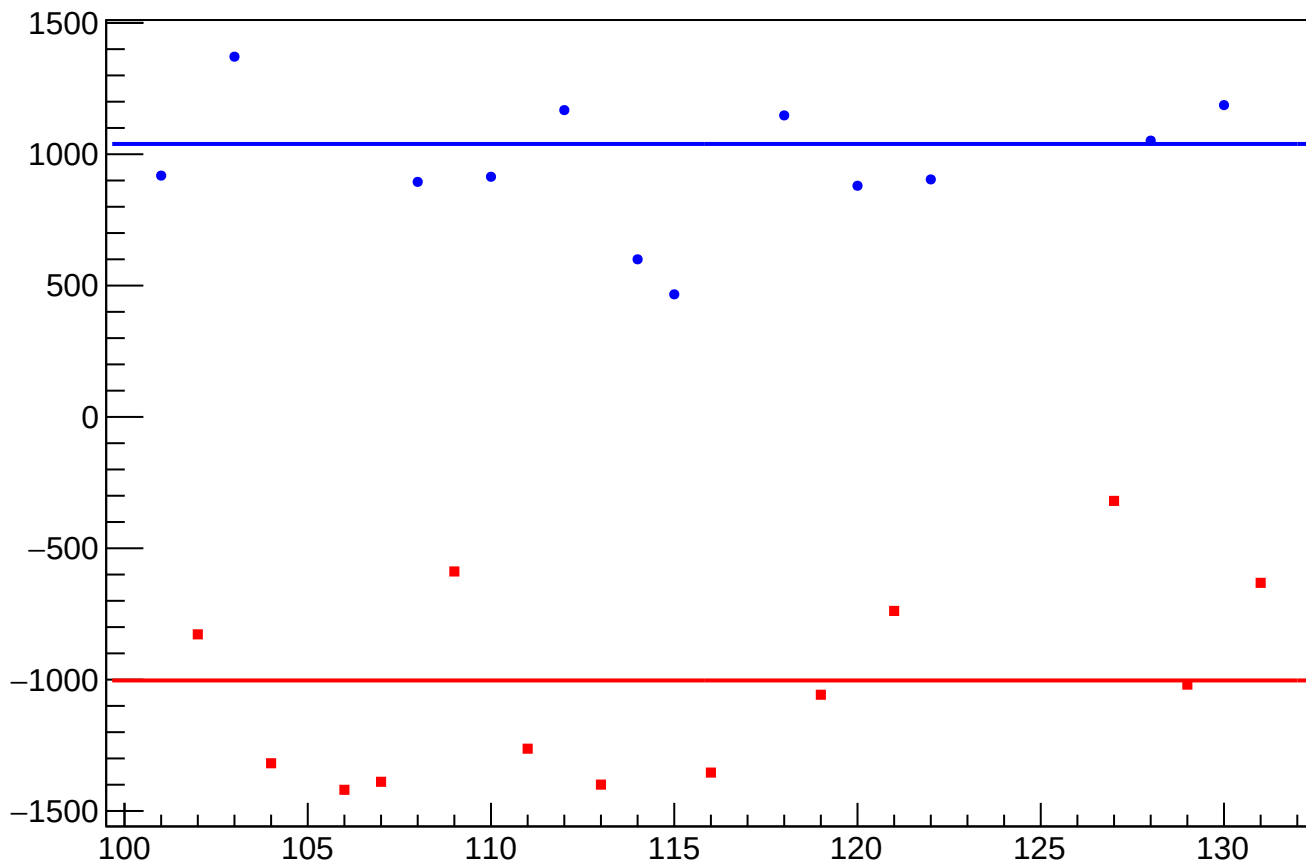
52.253+/-0.000  $\chi^2/\text{NDF}$ : 9958124276647

Right Out: -532.664+/-0.000  $\chi^2/\text{NDF}$ : 196193892645350300142638199569788174336.0/12

-532.664+/-0.000  $\chi^2/\text{NDF}$ : 196193892645350300142638199569788174336.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

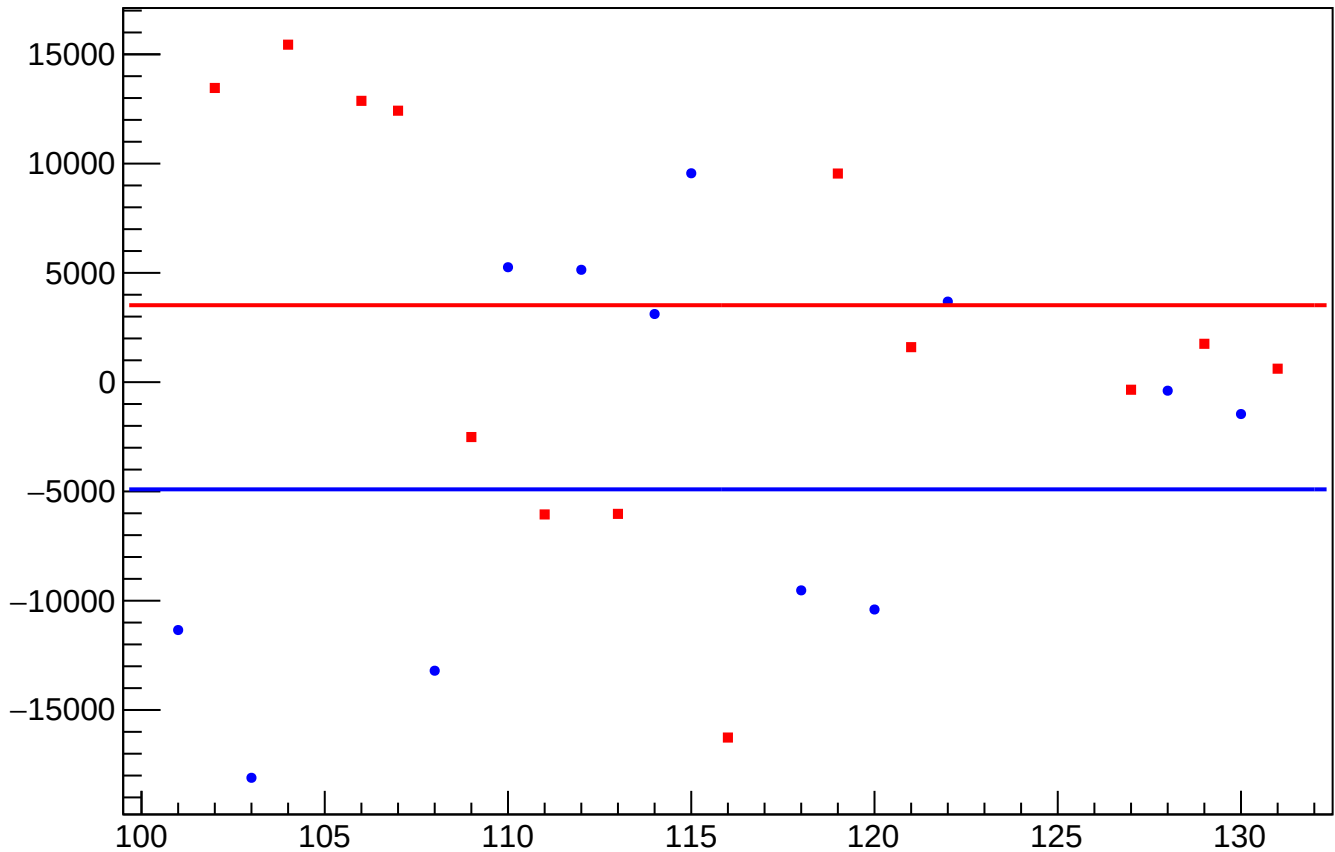
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

dit\_sam4\_coil6\_mean vs Slug, Sign Corrected



Right In: -4904.760+/-0.000  $\chi^2/\text{NDF}$ : 34205862789027902451385623424282935689216.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3520.733+/-0.000  $\chi^2/\text{NDF}$ : 41921524638185418086515603318271278841856.0/12

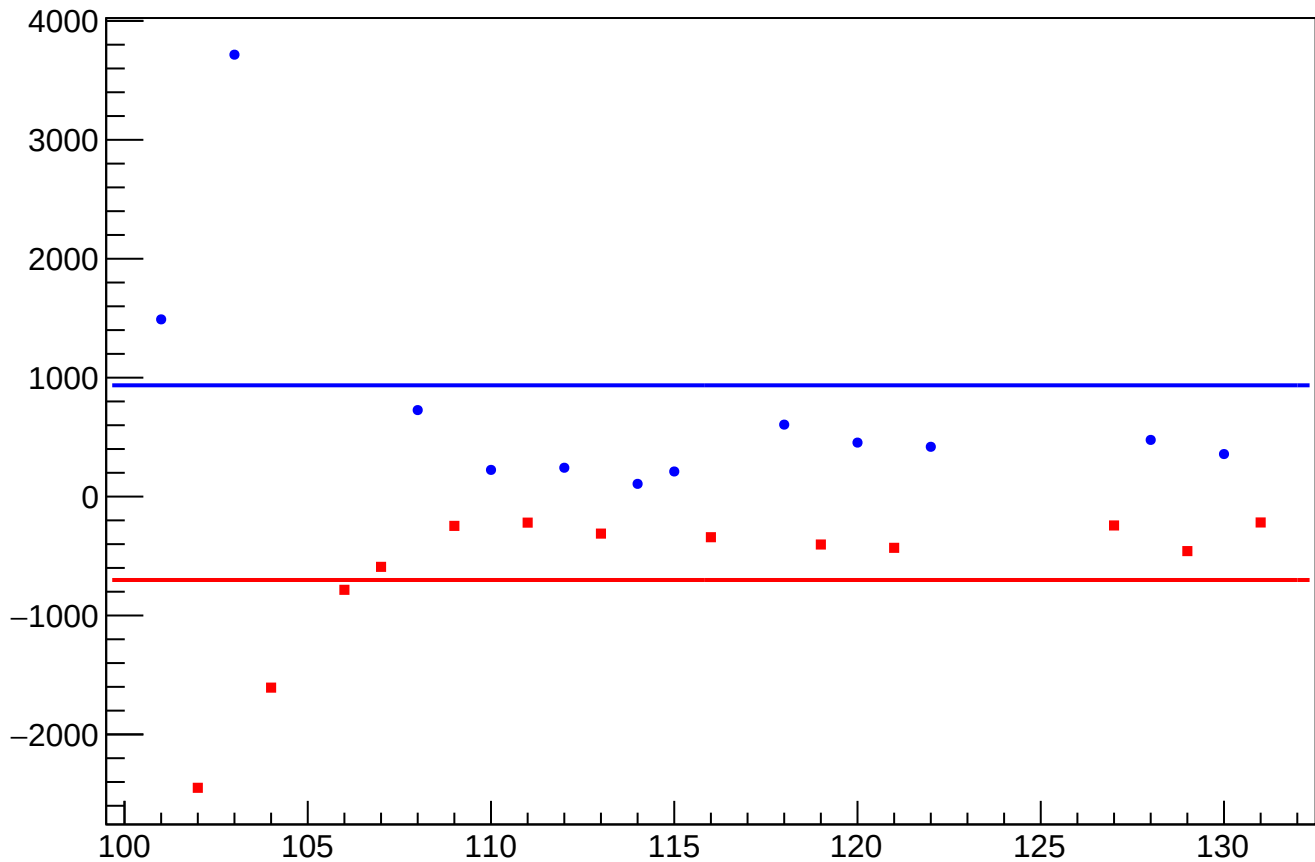
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4904.760+/-0.000  $\chi^2/\text{NDF}$ : 342058627890279

-464.836+/-0.000  $\chi^2/\text{NDF}$ : 94831659733

3520.733+/-0.000  $\chi^2/\text{NDF}$ : 4192152463818541

dit\_sam4\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 935.647+/-0.000  $\chi^2/\text{NDF}$ : 586014062469961826898196893776016834560.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -701.414+/-0.000  $\chi^2/\text{NDF}$ : 278599040462240769893385118094068809728.0/12

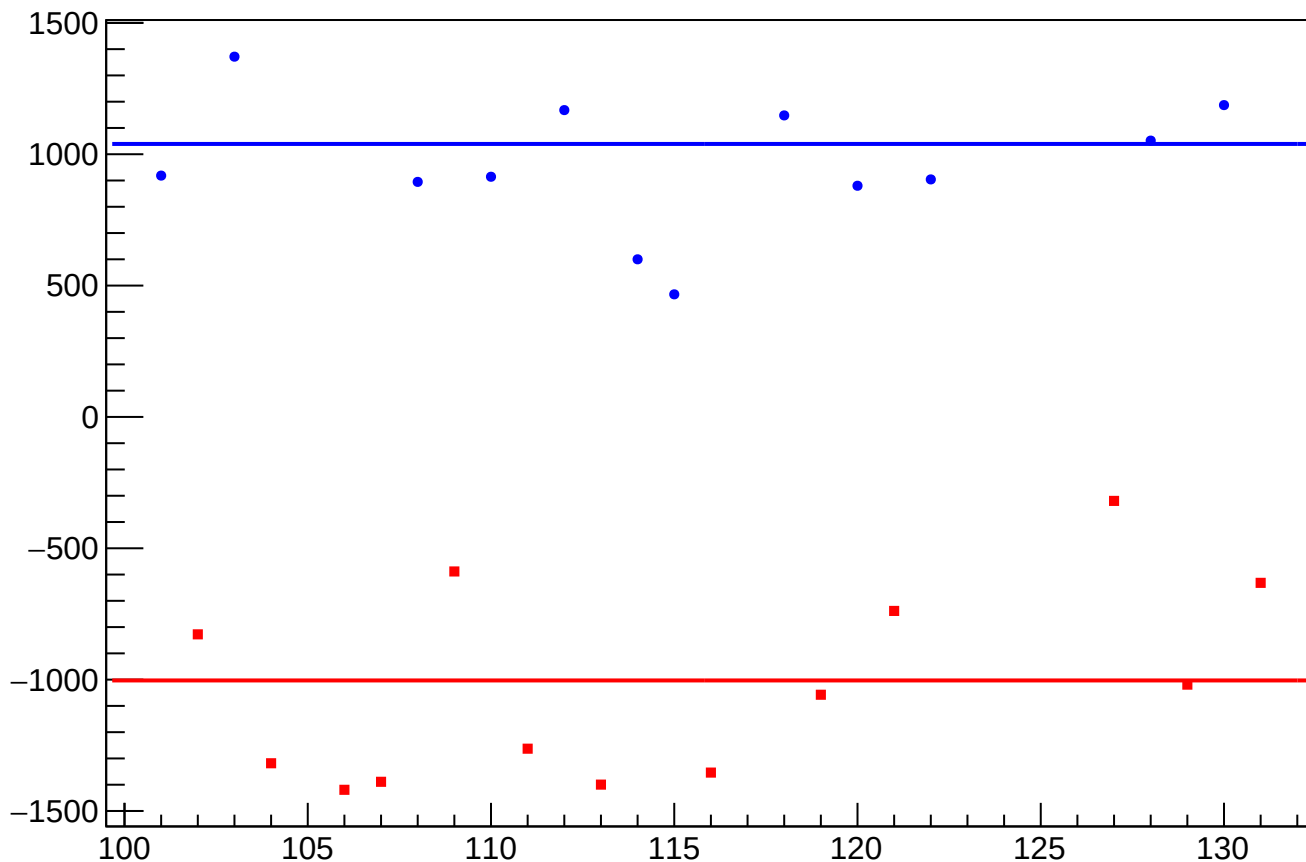
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

935.647+/-0.000  $\chi^2/\text{NDF}$ : 586014062469961826898196893776016834560.0/11

72.976+/-0.000  $\chi^2/\text{NDF}$ : 1570735076224

-701.414+/-0.000  $\chi^2/\text{NDF}$ : 278599040462240769893385118094068809728.0/12

dit\_sam4\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

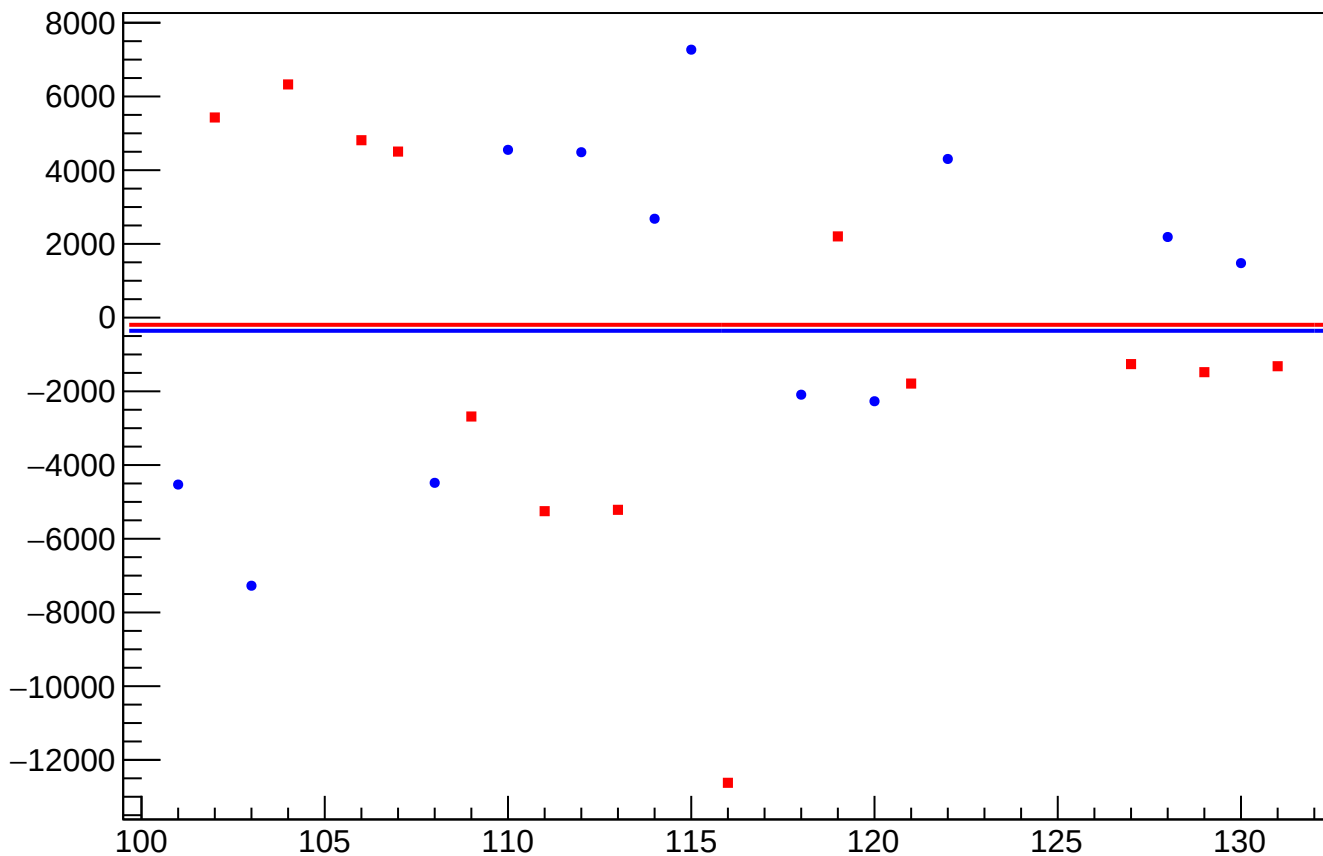
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903.0/11

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

dit\_sam5\_coil6\_mean vs Slug, Sign Corrected



Right In: -357.662+/-0.000  $\chi^2/\text{NDF}$ : 9026131090297834144652384246037731082240.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -195.163+/-0.000  $\chi^2/\text{NDF}$ : 12756257489090779826869457626049867153408.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

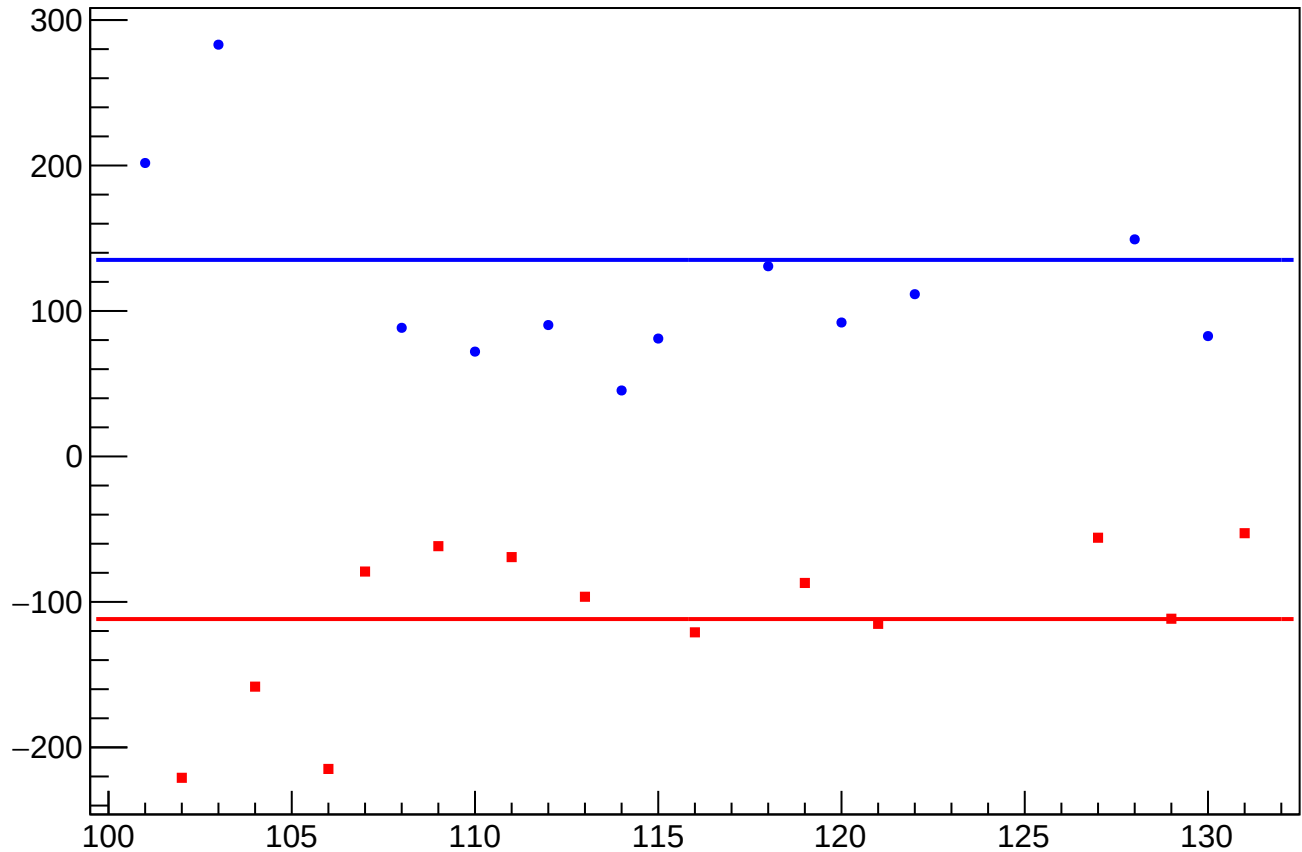
-357.662+/-0.000  $\chi^2/\text{NDF}$ : 9026131090297834

-272.031+/-0.000  $\chi^2/\text{NDF}$ : 21789346125

-195.163+/-0.000  $\chi^2/\text{NDF}$ : 1275625748909077



dit\_sam5\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 135.113+/-0.000  $\chi^2/\text{NDF}$ : 2252105482849693758244913598206836736.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -111.789+/-0.000  $\chi^2/\text{NDF}$ : 1688330269367409612746215259027537920.0/12

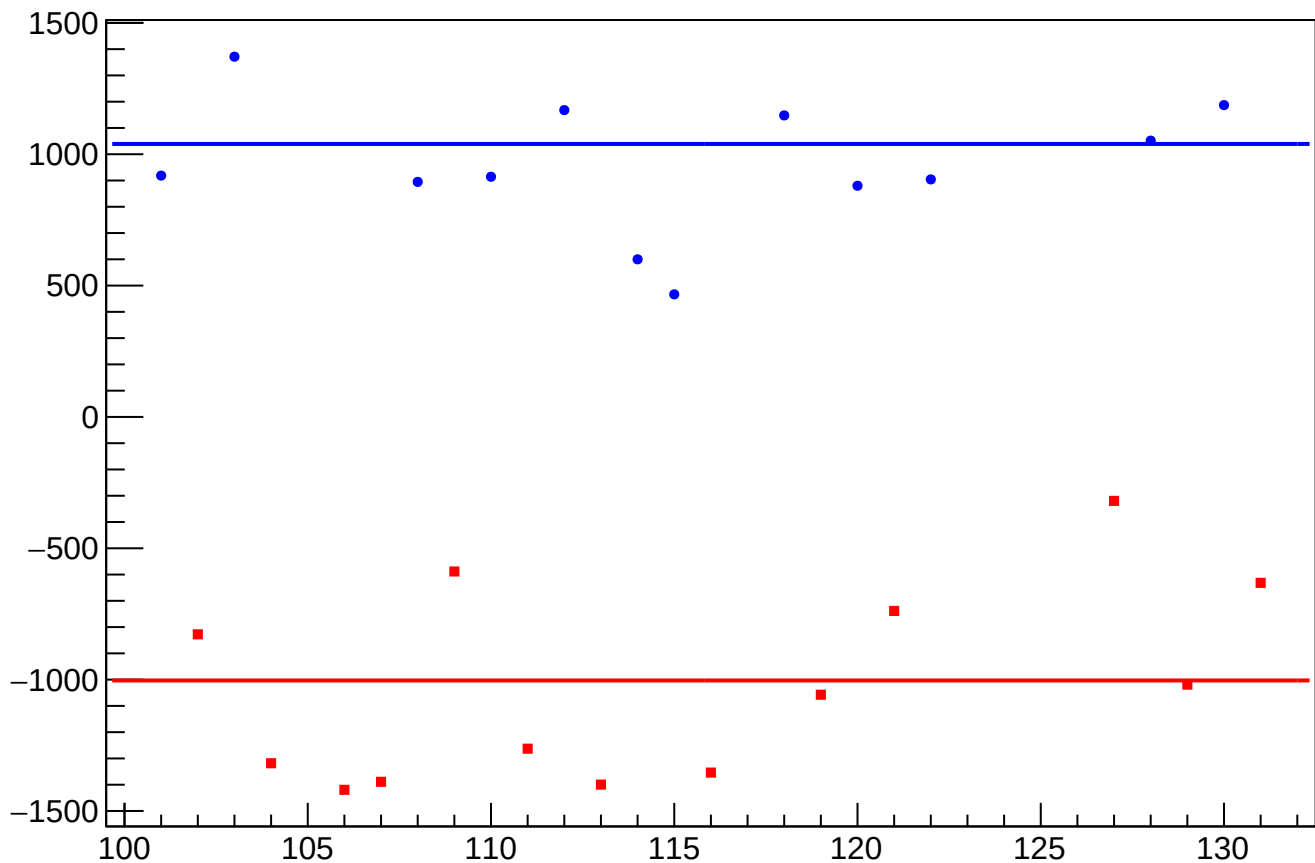
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

135.113+/-0.000  $\chi^2/\text{NDF}$ : 22521054828496937

5.005+/-0.000  $\chi^2/\text{NDF}$ : 20002418980363

-111.789+/-0.000  $\chi^2/\text{NDF}$ : 1688330269367409

dit\_sam5\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

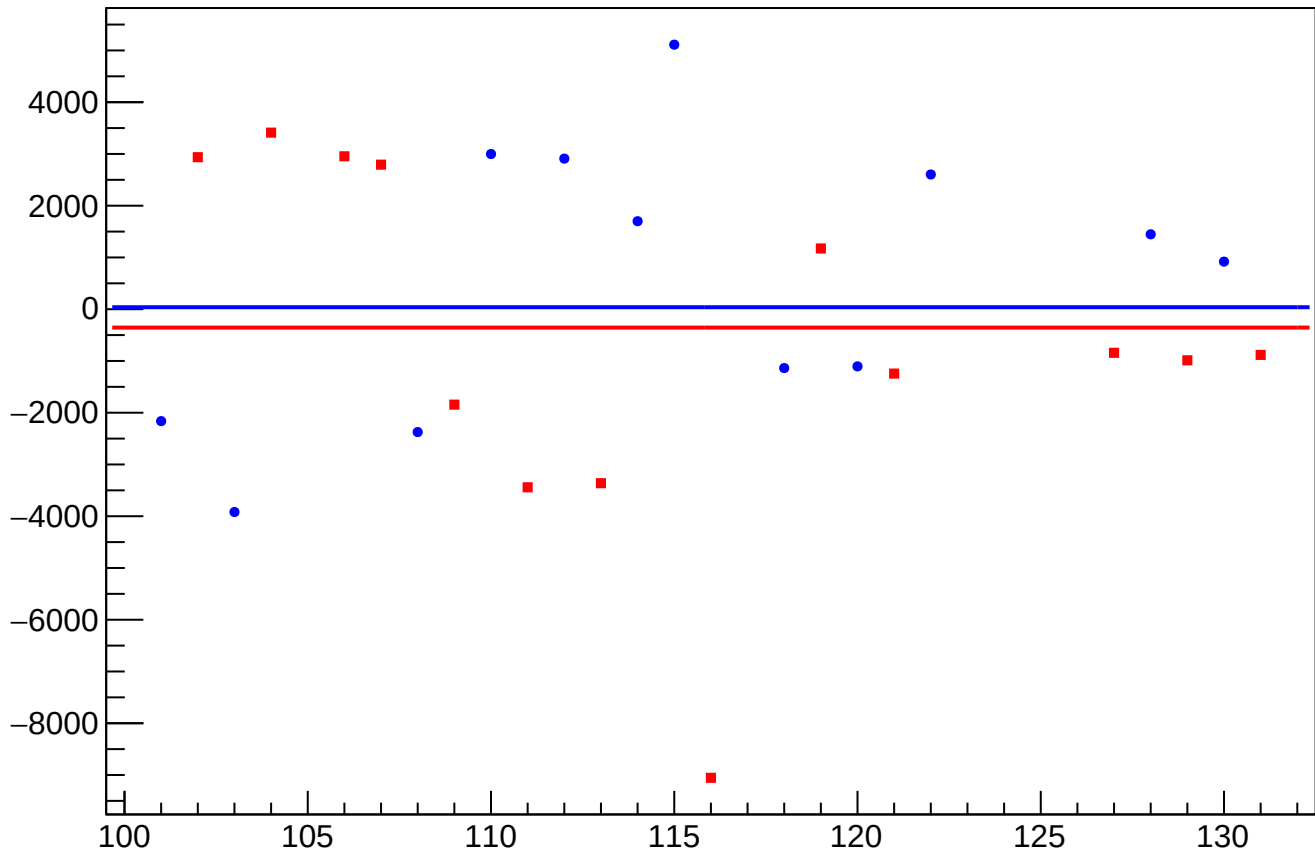
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

# dit\_sam6\_coil6\_mean vs Slug, Sign Corrected



Right In: 38.058+/-0.000  $\chi^2/\text{NDF}$ : 3027232607744831414936457299085118930944.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

38.058+/-0.000  $\chi^2/\text{NDF}$ : 3027232607744831414936457299085118930944.0/11

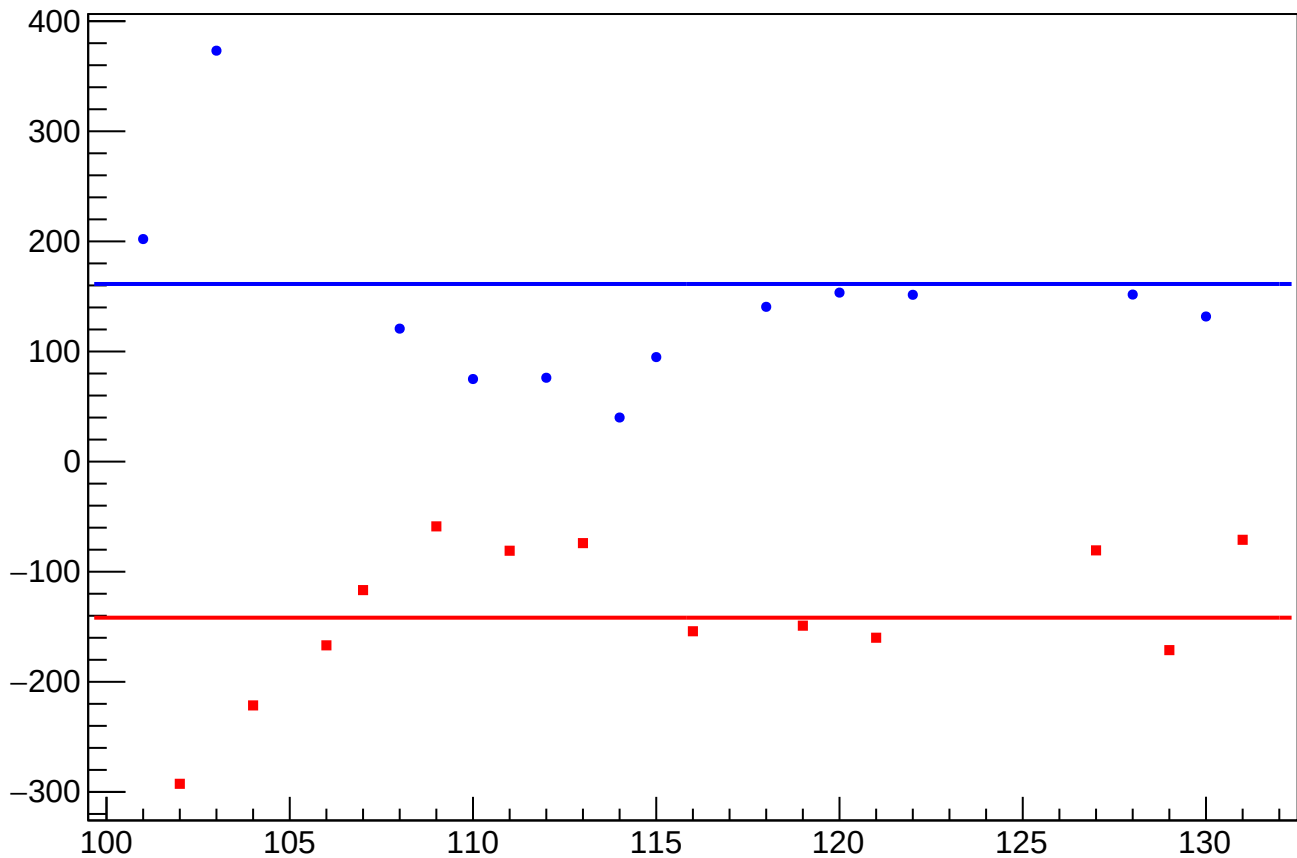
Right Out: -354.909+/-0.000  $\chi^2/\text{NDF}$ : 5154114961424295673486580049691107393536.0/12

-169.021+/-0.000  $\chi^2/\text{NDF}$ : 822203520316

-354.909+/-0.000  $\chi^2/\text{NDF}$ : 5154114961424295673486580049691107393536.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 161.313+/-0.000  $\chi^2/\text{NDF}$ : 3742085175496412503832296844582453248.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -141.746+/-0.000  $\chi^2/\text{NDF}$ : 2817211432473237876890875024568745984.0/12

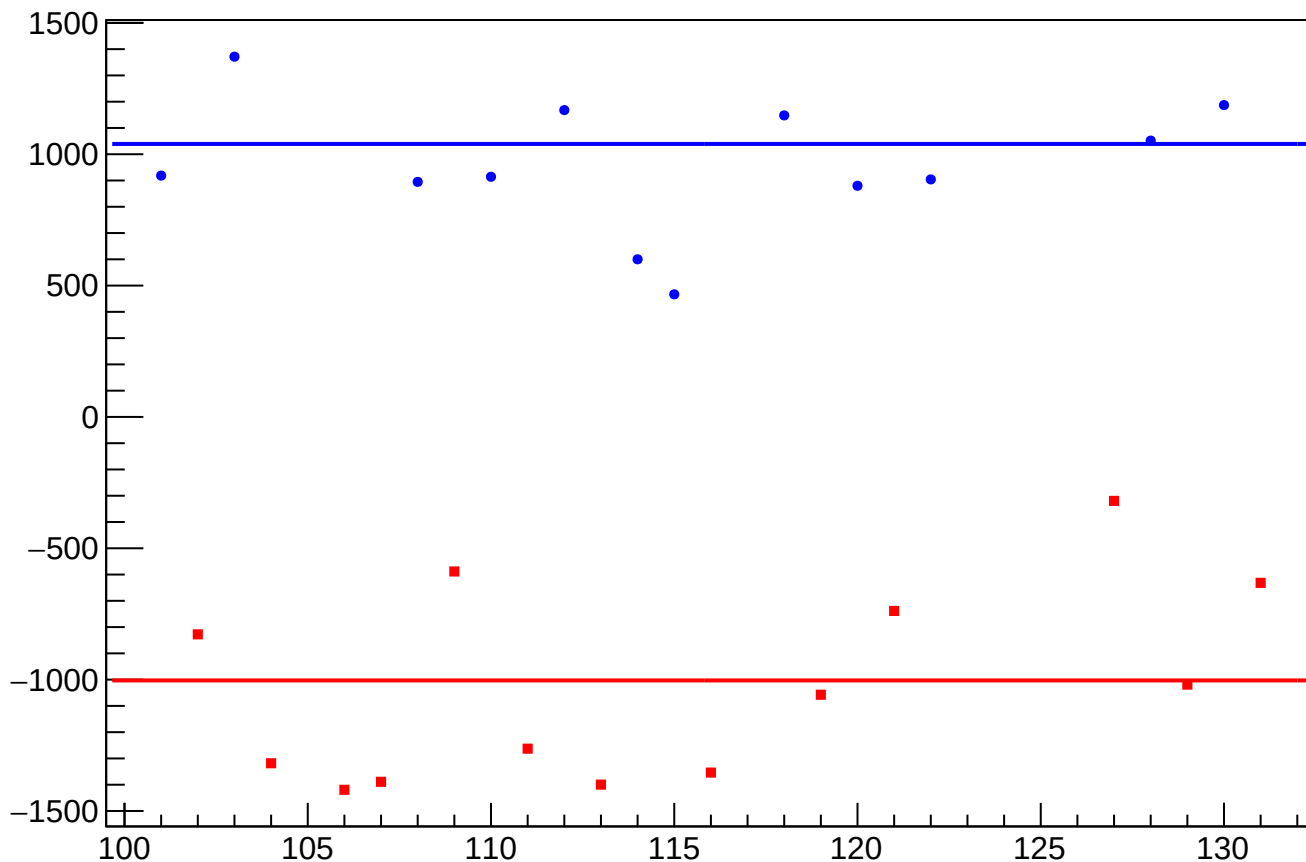
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

161.313+/-0.000  $\chi^2/\text{NDF}$ : 3742085175496412503832296844582453248.0/11

1.612+/-0.000  $\chi^2/\text{NDF}$ : 30758760349976

-141.746+/-0.000  $\chi^2/\text{NDF}$ : 2817211432473237876890875024568745984.0/12

dit\_sam6\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

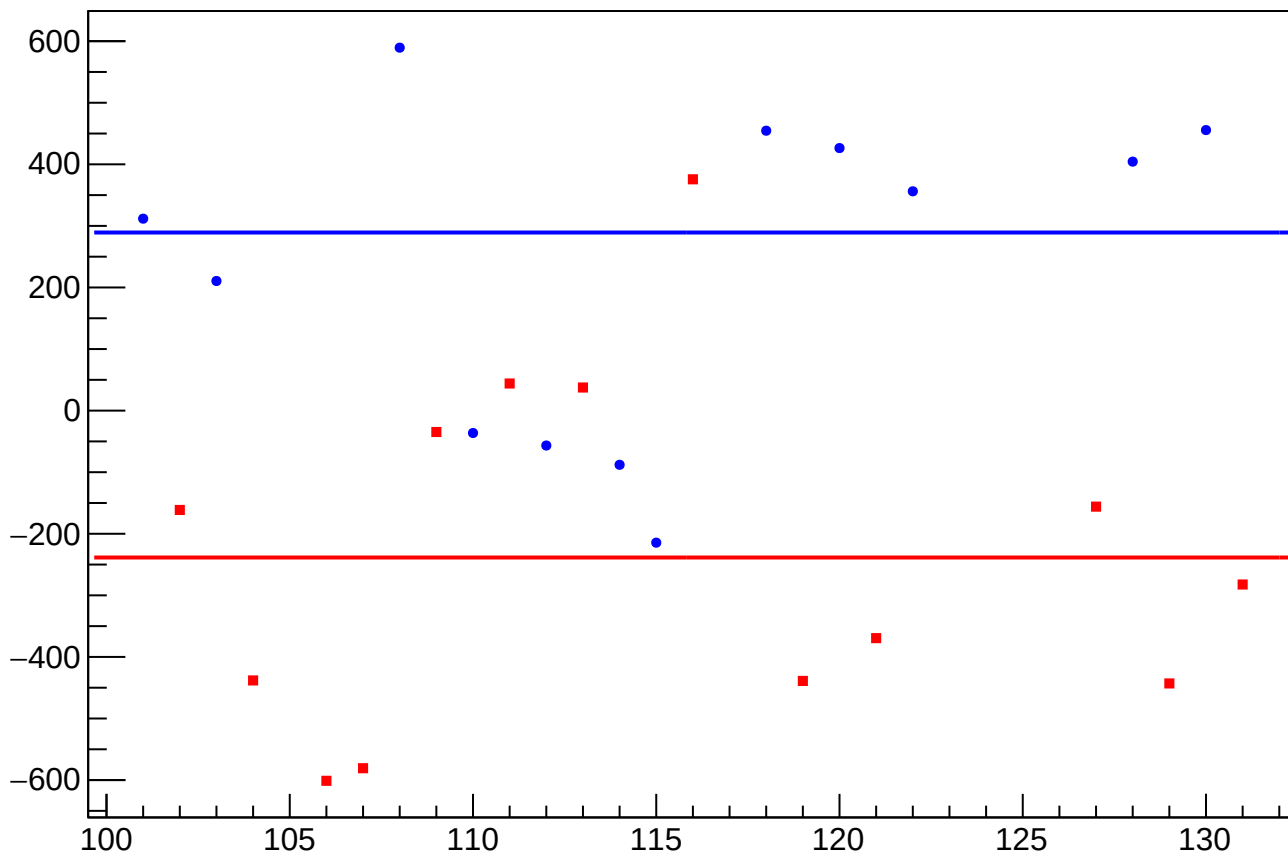
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903.0/12

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

# dit\_sam7\_coil6\_mean vs Slug, Sign Corrected



Right In: 289.260 $\pm$ 0.000  $\chi^2$ /NDF: 22711921908788530935033173159272513536.0/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -238.543 $\pm$ 0.000  $\chi^2$ /NDF: 34499587204937934103839673680576643072.0/12

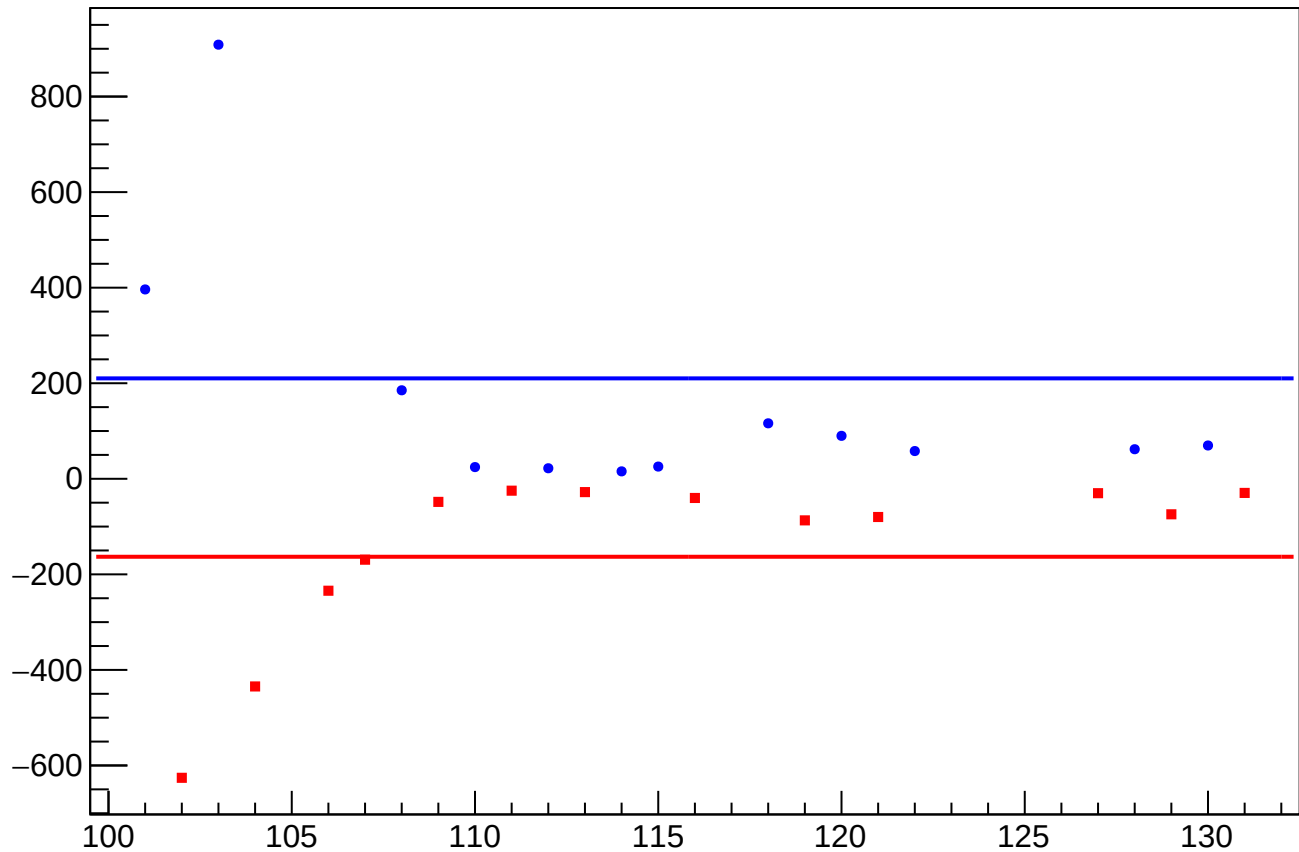
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

289.260 $\pm$ 0.000  $\chi^2$ /NDF: 22711921908788530935033173159272513536.0/11

11.127 $\pm$ 0.000  $\chi^2$ /NDF: 1306109497514

-238.543 $\pm$ 0.000  $\chi^2$ /NDF: 34499587204937934103839673680576643072.0/12

dit\_sam7\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 210.172+/-0.000  $\chi^2/\text{NDF}$ : 38834989308960319640337097057995063296.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -163.173+/-0.000  $\chi^2/\text{NDF}$ : 214224837059478810685410562552234240.0/12

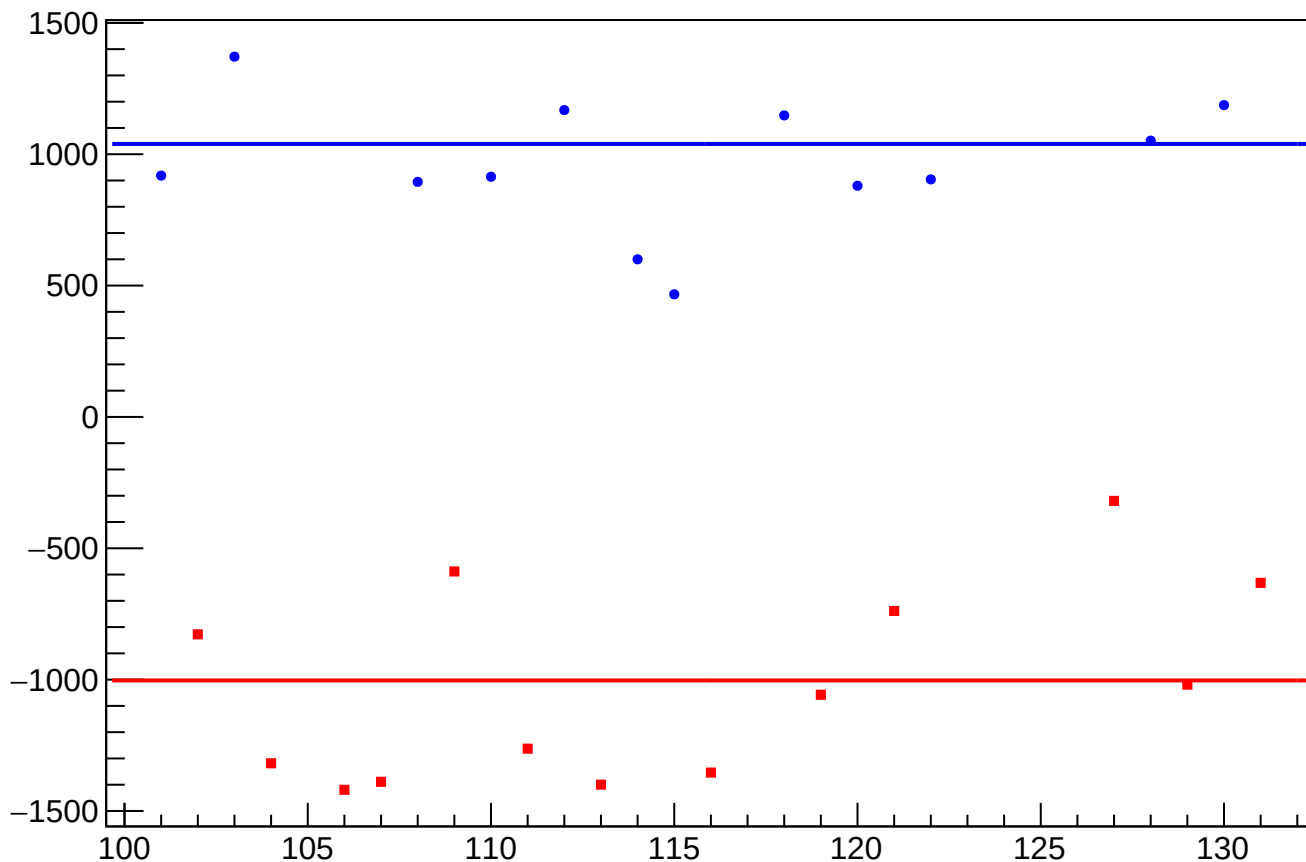
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

210.172+/-0.000  $\chi^2/\text{NDF}$ : 38834989308960319640337097057995063296.0/11

13.433+/-0.000  $\chi^2/\text{NDF}$ : 9698320601589

-163.173+/-0.000  $\chi^2/\text{NDF}$ : 214224837059478810685410562552234240.0/12

dit\_sam7\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

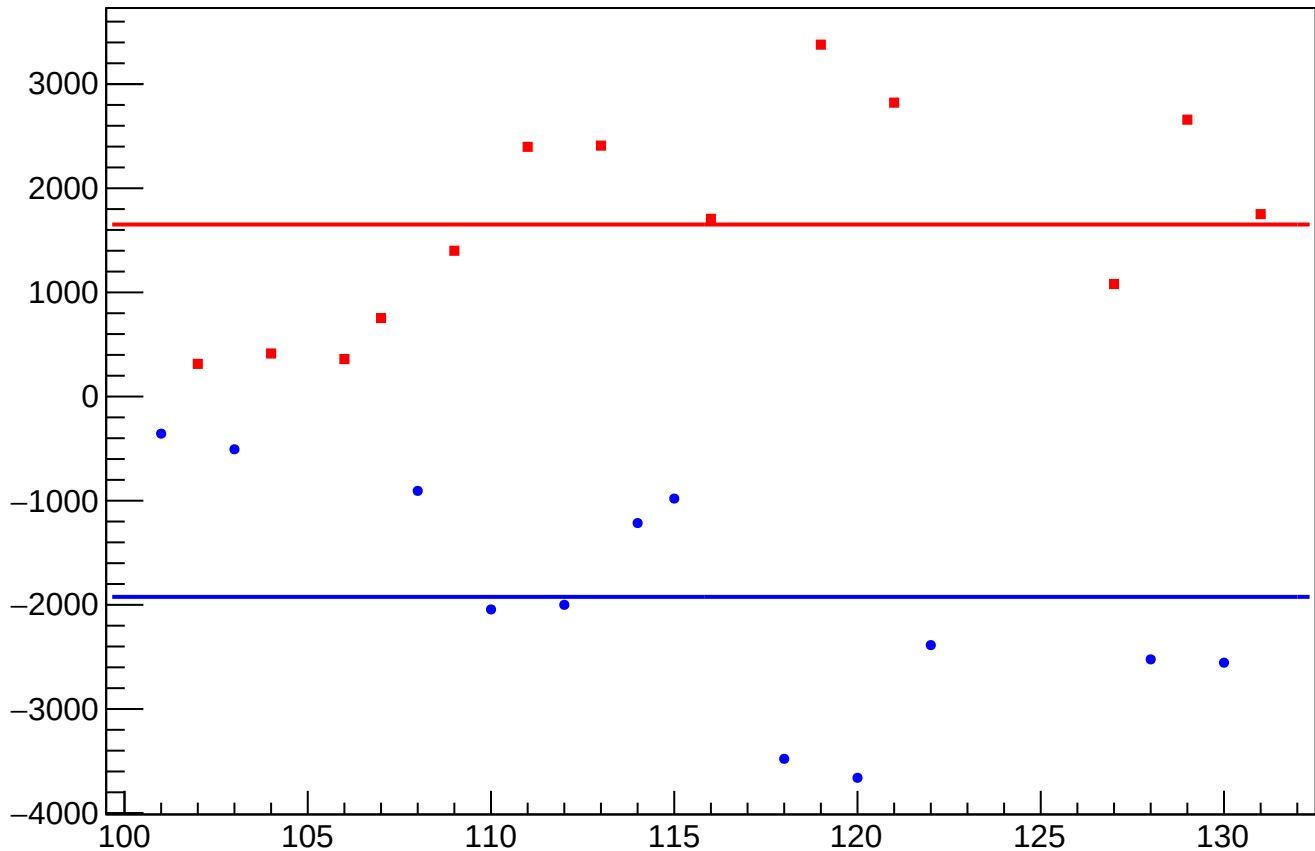
1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

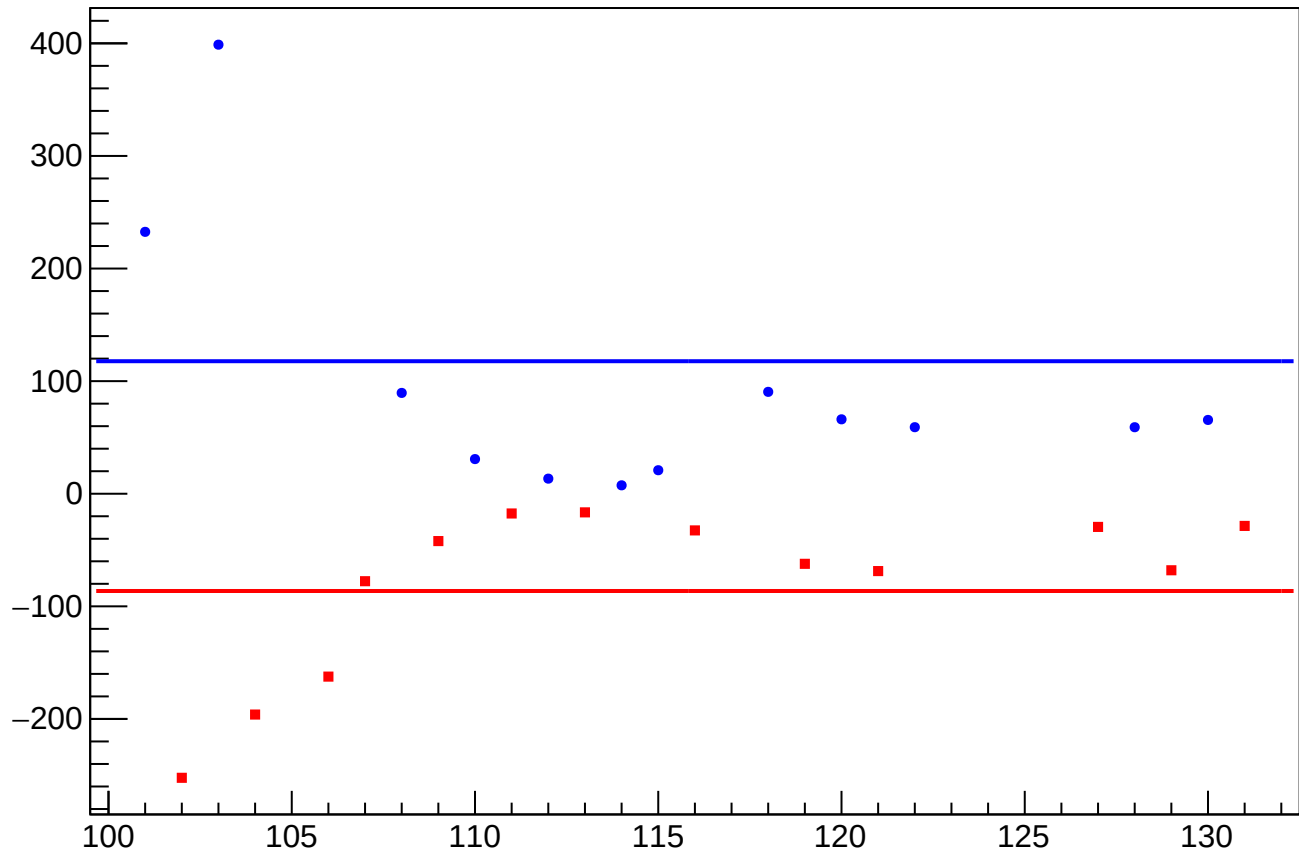


# dit\_sam8\_coil6\_mean vs Slug, Sign Corrected



Right In: -1923.424+/-0.000  $\chi^2/\text{NDF}$ : 601070902811889277797872762391682351104.0/11  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 1651.917+/-0.000  $\chi^2/\text{NDF}$ : 582456042446470265711481667690359160832.0/12  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 117.699+/-0.000  $\chi^2/\text{NDF}$ : 7140425613093909965107985490479415296.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -86.376+/-0.000  $\chi^2/\text{NDF}$ : 3323636366443469813546247161710116864.0/12

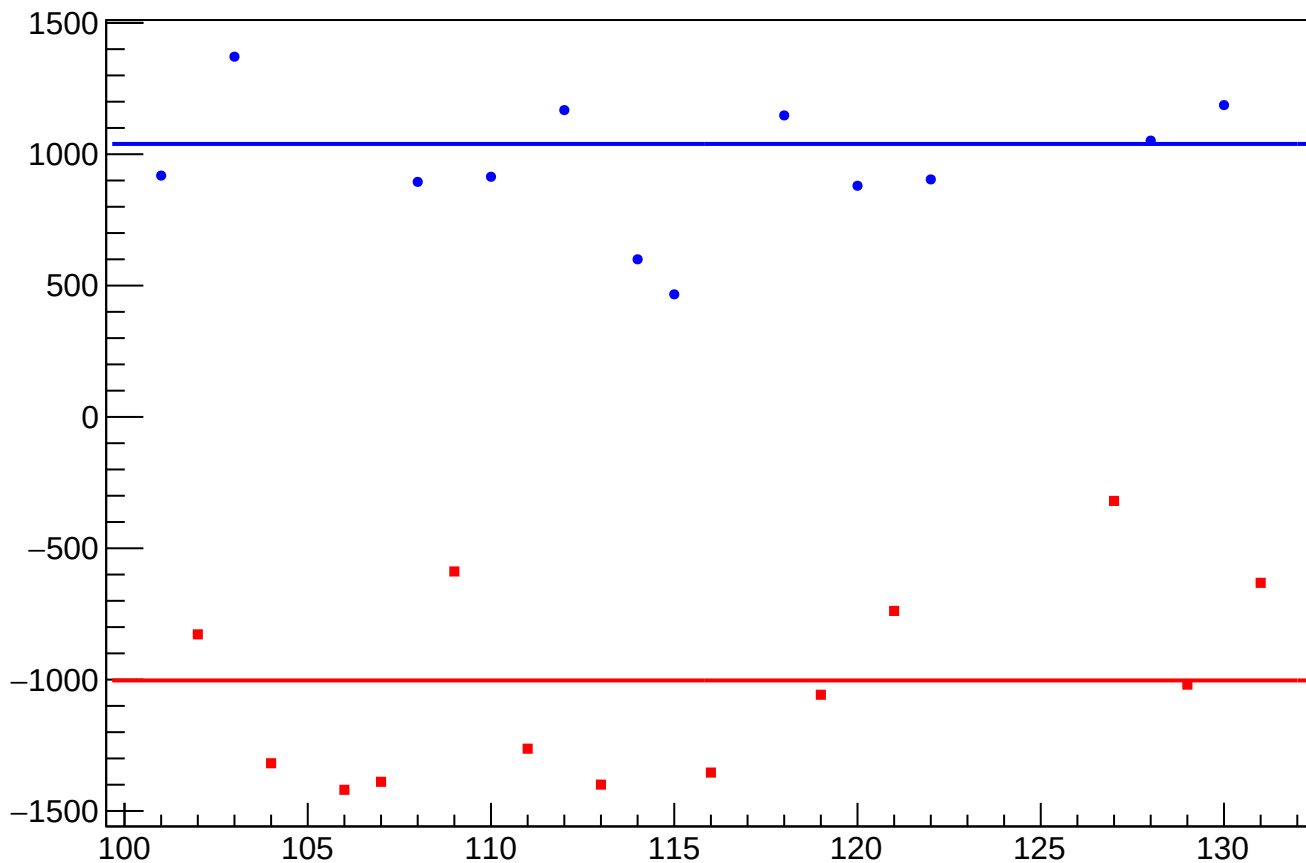
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

117.699+/-0.000  $\chi^2/\text{NDF}$ : 7140425613093909965107985490479415296.0/11

10.159+/-0.000  $\chi^2/\text{NDF}$ : 2143719047902

-86.376+/-0.000  $\chi^2/\text{NDF}$ : 3323636366443469813546247161710116864.0/12

dit\_sam8\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1039.154+/-0.000  $\chi^2/\text{NDF}$ : 19198950493353905370323409992719269888.0/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1003.083+/-0.000  $\chi^2/\text{NDF}$ : 67989775798644801665814540851129352192.0/12

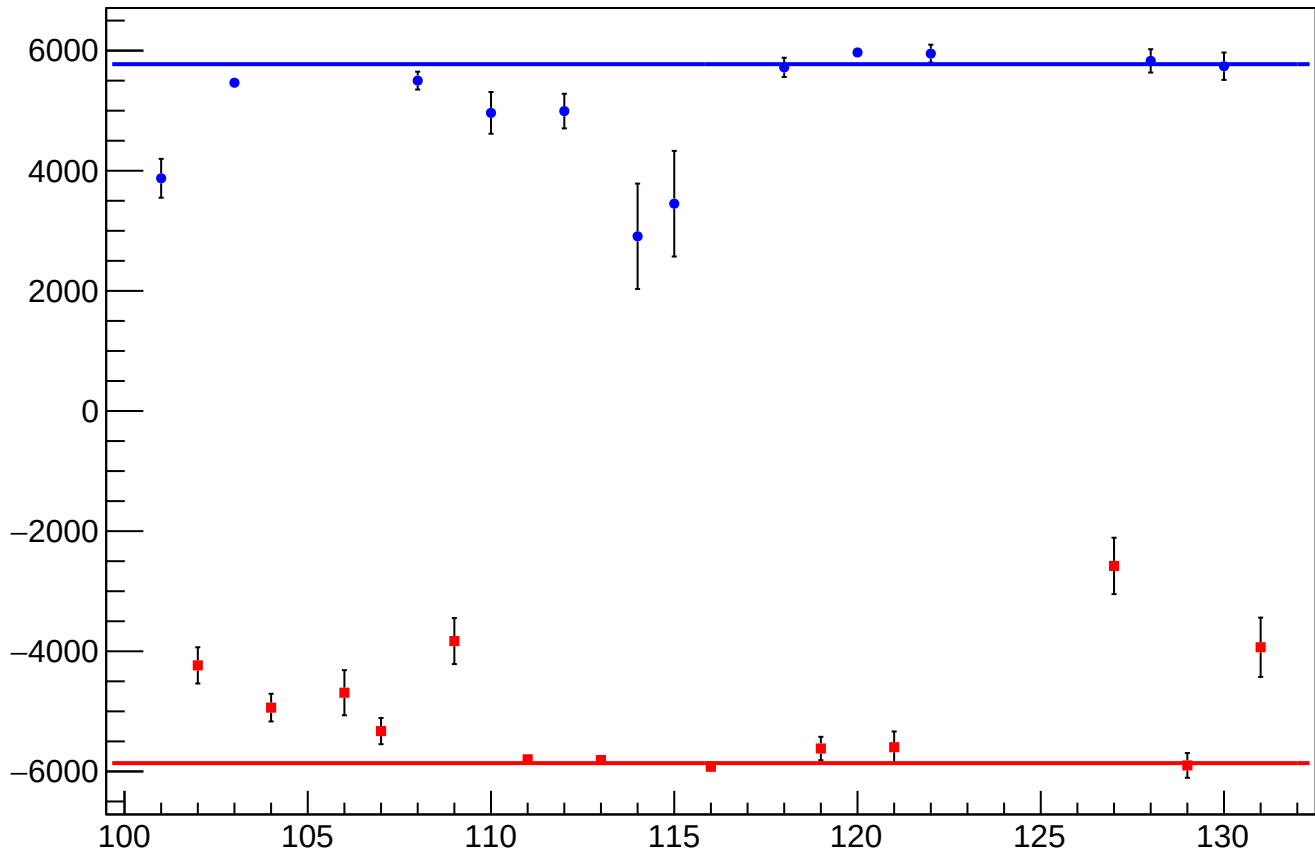
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1039.154+/-0.000  $\chi^2/\text{NDF}$ : 1919895049335390

-37.029+/-0.000  $\chi^2/\text{NDF}$ : 118609920903

-1003.083+/-0.000  $\chi^2/\text{NDF}$ : 679897757986448

# dit\_run\_mean vs Slug, Sign Corrected



Right In: 5774.117+/-0.181  $\chi^2$ /NDF: 1828510.6/11

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -5861.461+/-0.140  $\chi^2$ /NDF: 180009.7/12

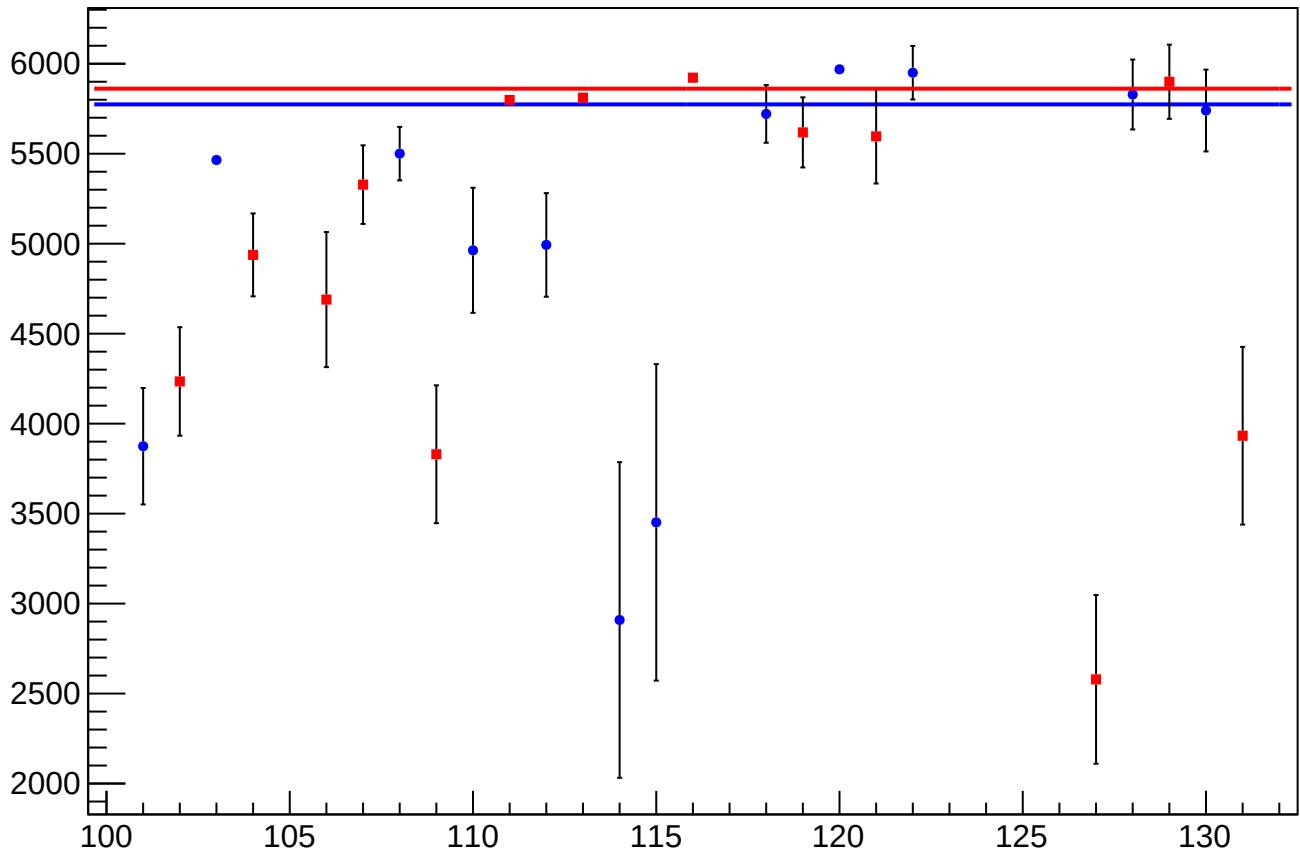
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

5774.117+/-0.181  $\chi^2$ /NDF: 1828510.6/11

-1536.194+/-0.111  $\chi^2$ /NDF: 2585351230.0

-5861.461+/-0.140  $\chi^2$ /NDF: 180009.7/12

# dit\_run\_rms vs Slug, Sign Corrected



Right In: 5774.117 $\pm$ 0.181  $\chi^2$ /NDF: 1828510.6/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 5861.461 $\pm$ 0.140  $\chi^2$ /NDF: 180009.7/12

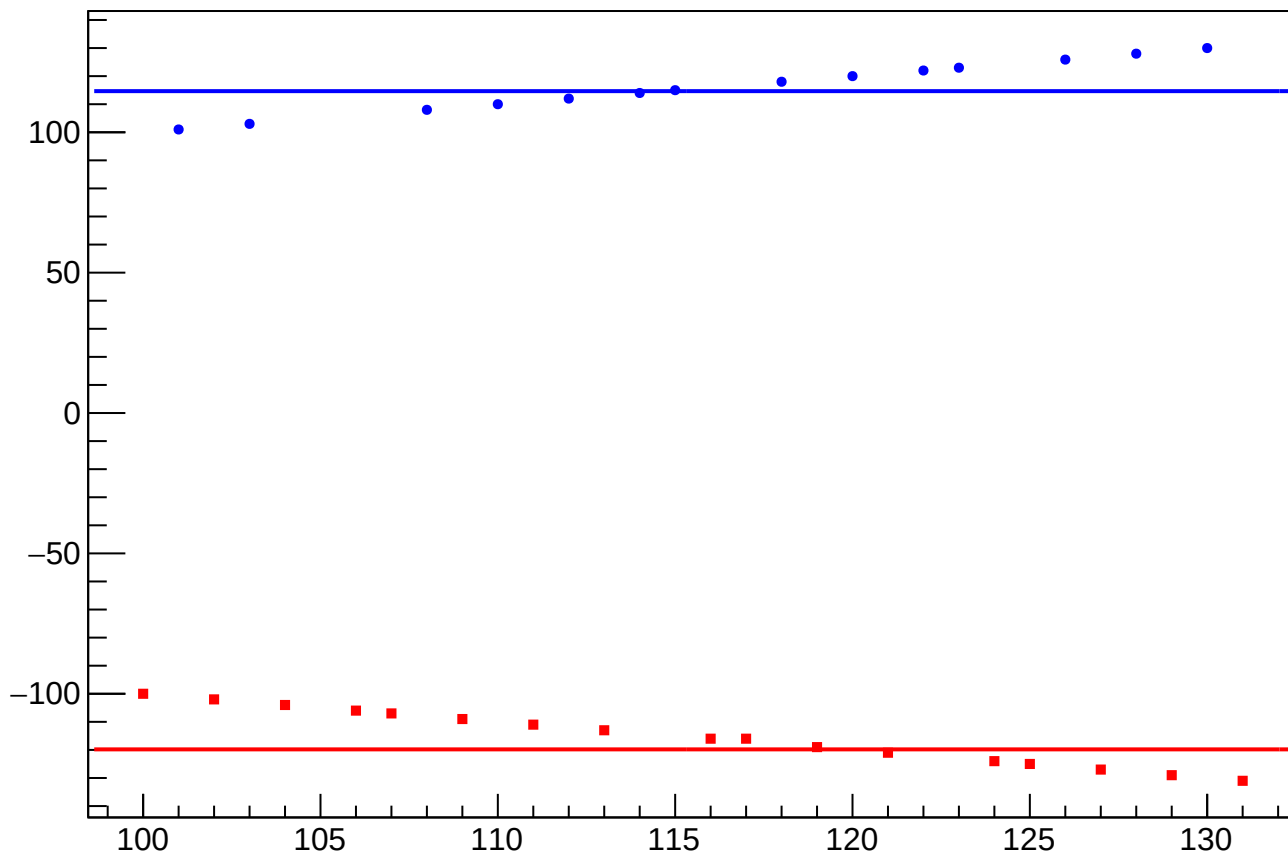
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

5774.117 $\pm$ 0.181  $\chi^2$ /NDF: 1828510.6/11

5828.993 $\pm$ 0.111  $\chi^2$ /NDF: 2154092.5/24

5861.461 $\pm$ 0.140  $\chi^2$ /NDF: 180009.7/12

# dit\_slug\_slope vs Slug, Sign Corrected



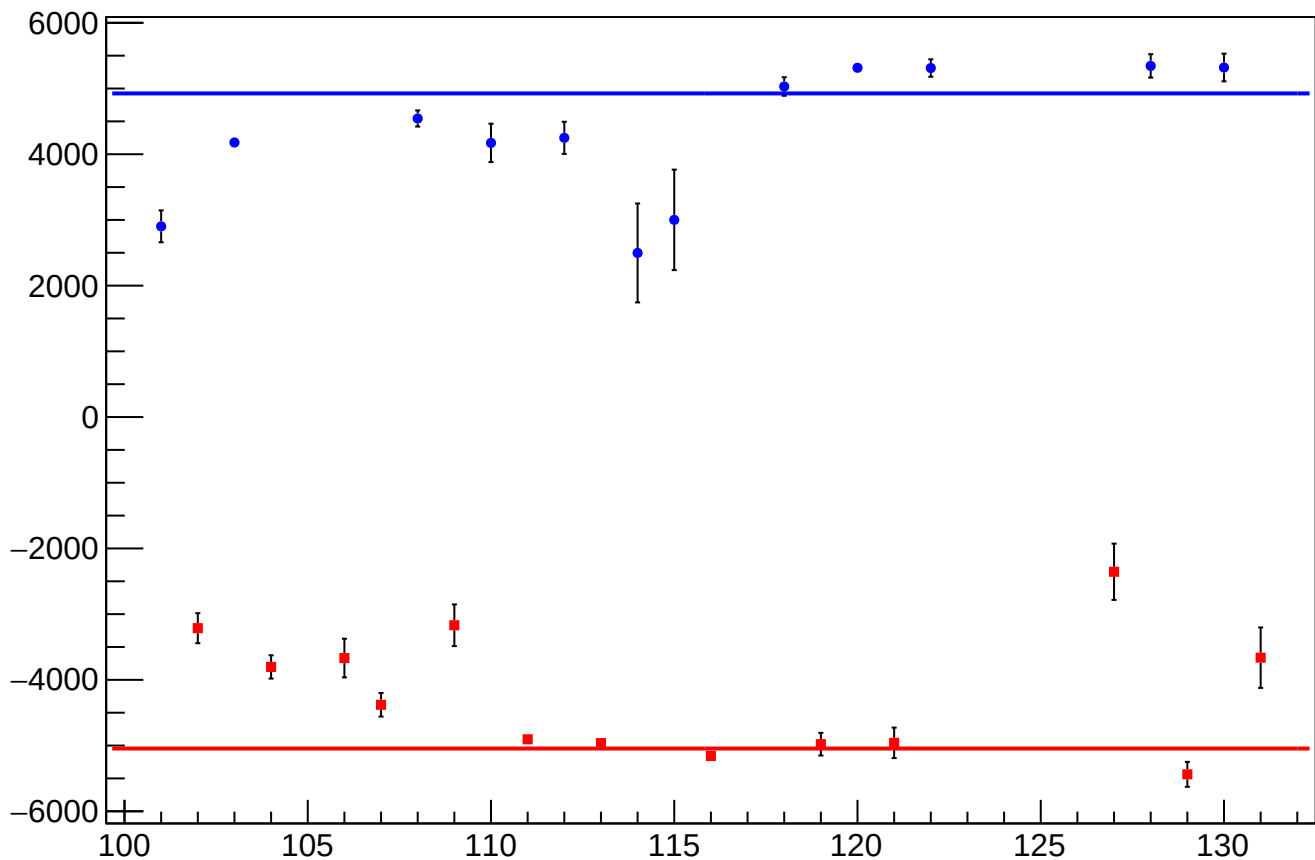
Right In: 114.655+/-0.000  $\chi^2/\text{NDF}$ : 103235208367173111595698004951040.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -119.807+/-0.000  $\chi^2/\text{NDF}$ : 45791749545107117391609260408832.0/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_cyclenum\_mean vs Slug, Sign Corrected



Right In: 4925.273+/-0.939  $\chi^2/\text{NDF}$ : 330949.1/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5045.219+/-0.668  $\chi^2/\text{NDF}$ : 30170.3/12

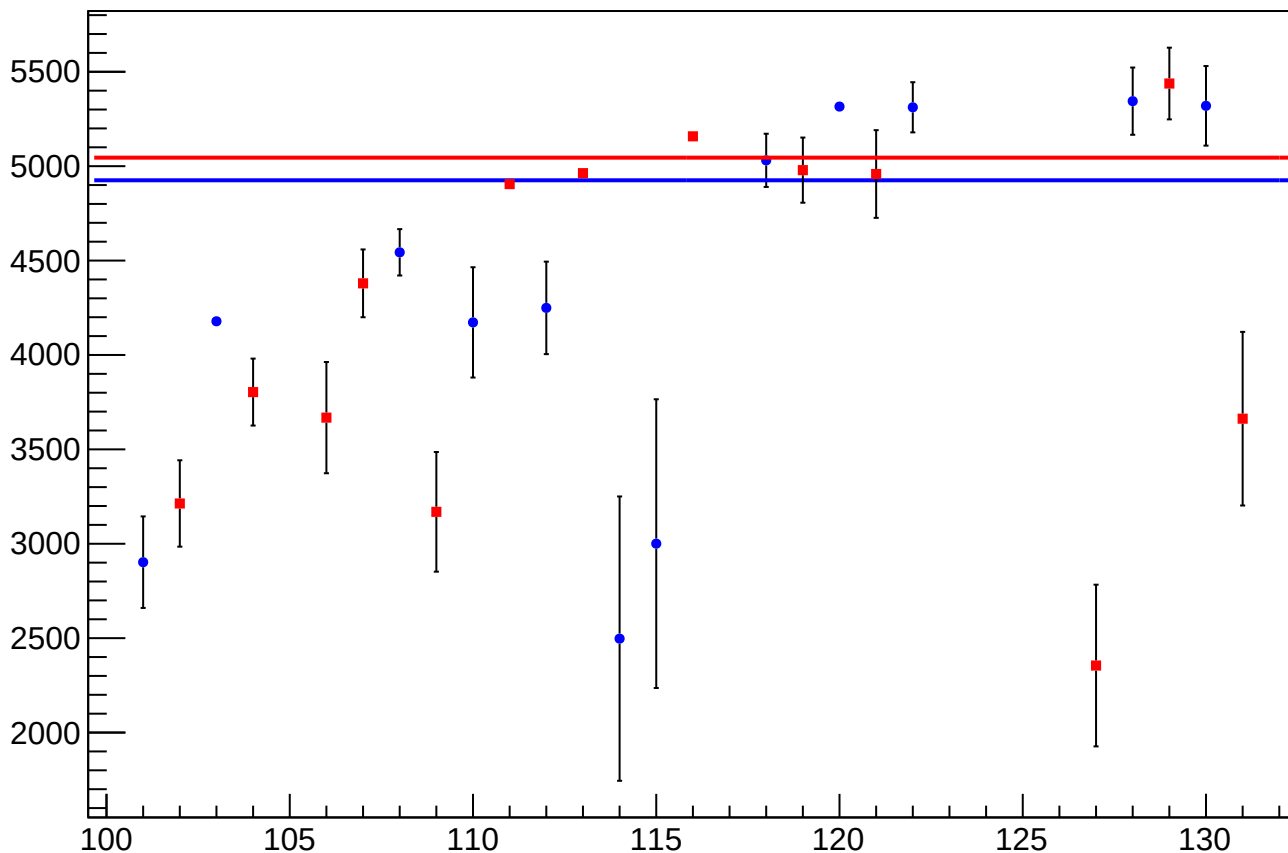
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4925.273+/-0.939  $\chi^2/\text{NDF}$ : 330949.1/11

-1694.595+/-0.544  $\chi^2/\text{NDF}$ : 75263167.2/11

-5045.219+/-0.668  $\chi^2/\text{NDF}$ : 30170.3/12

# dit\_cyclenum\_rms vs Slug, Sign Corrected



Right In: 4925.273 $\pm$ 0.939  $\chi^2$ /NDF: 330949.1/11

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 5045.219 $\pm$ 0.668  $\chi^2$ /NDF: 30170.3/12

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

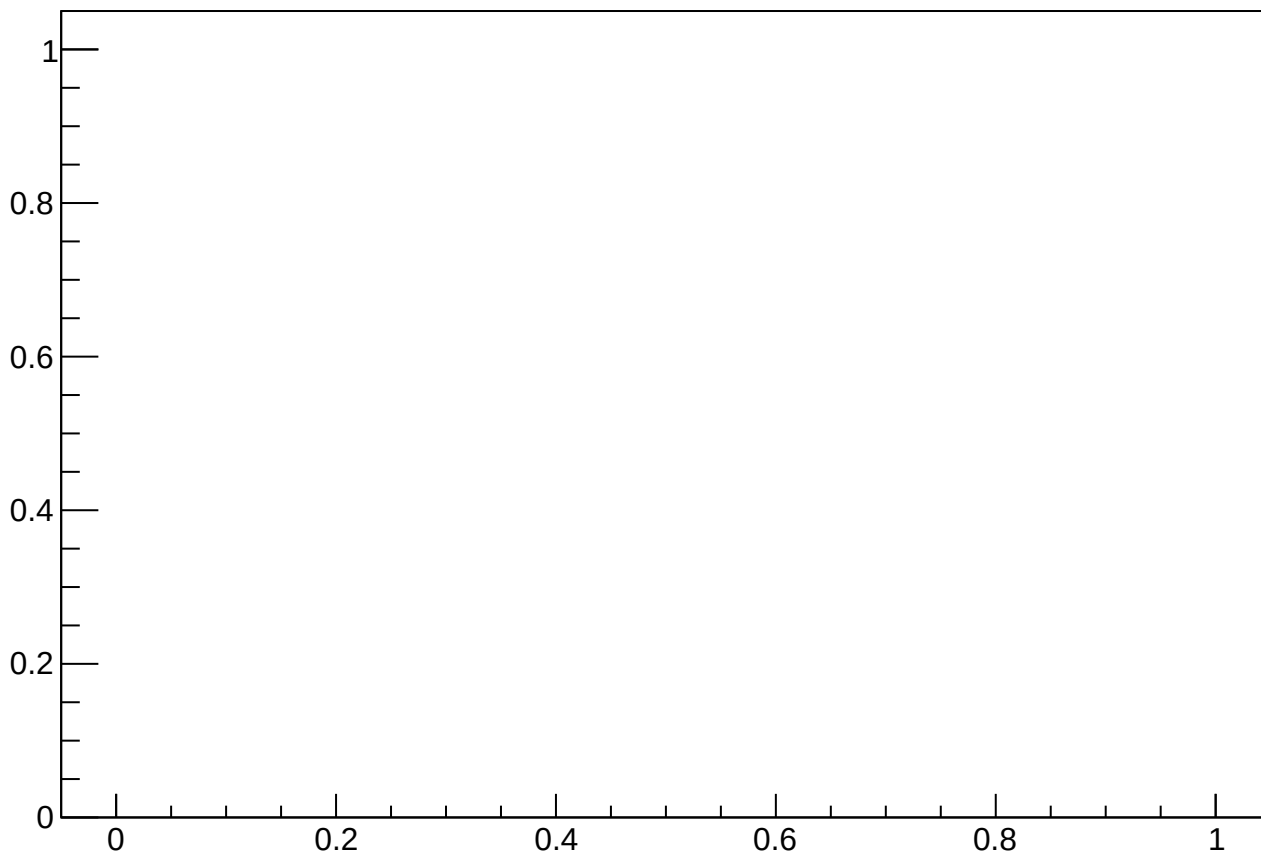
4925.273 $\pm$ 0.939  $\chi^2$ /NDF: 330949.1/11

5004.911 $\pm$ 0.544  $\chi^2$ /NDF: 371959.3/24

5045.219 $\pm$ 0.668  $\chi^2$ /NDF: 30170.3/12



# dit\_scandata1\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

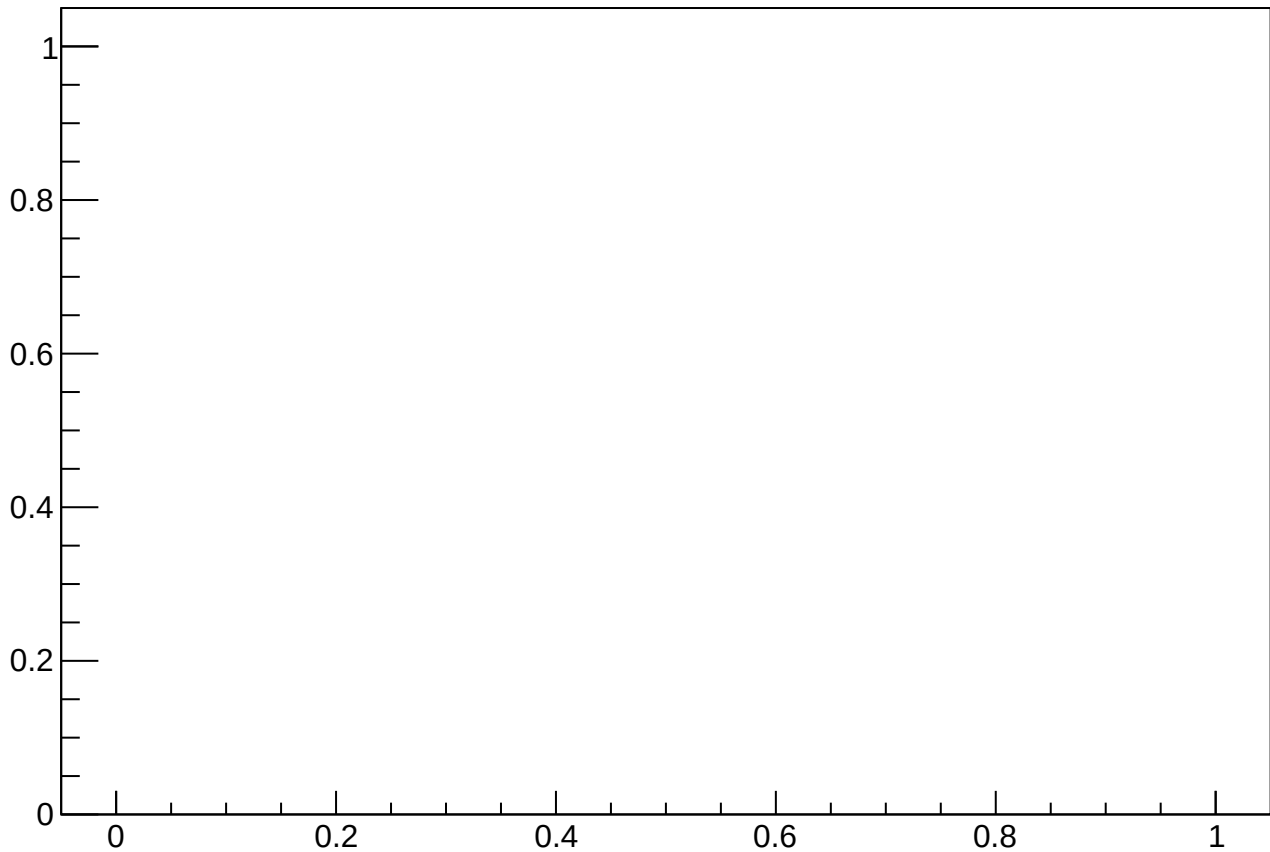
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata1\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

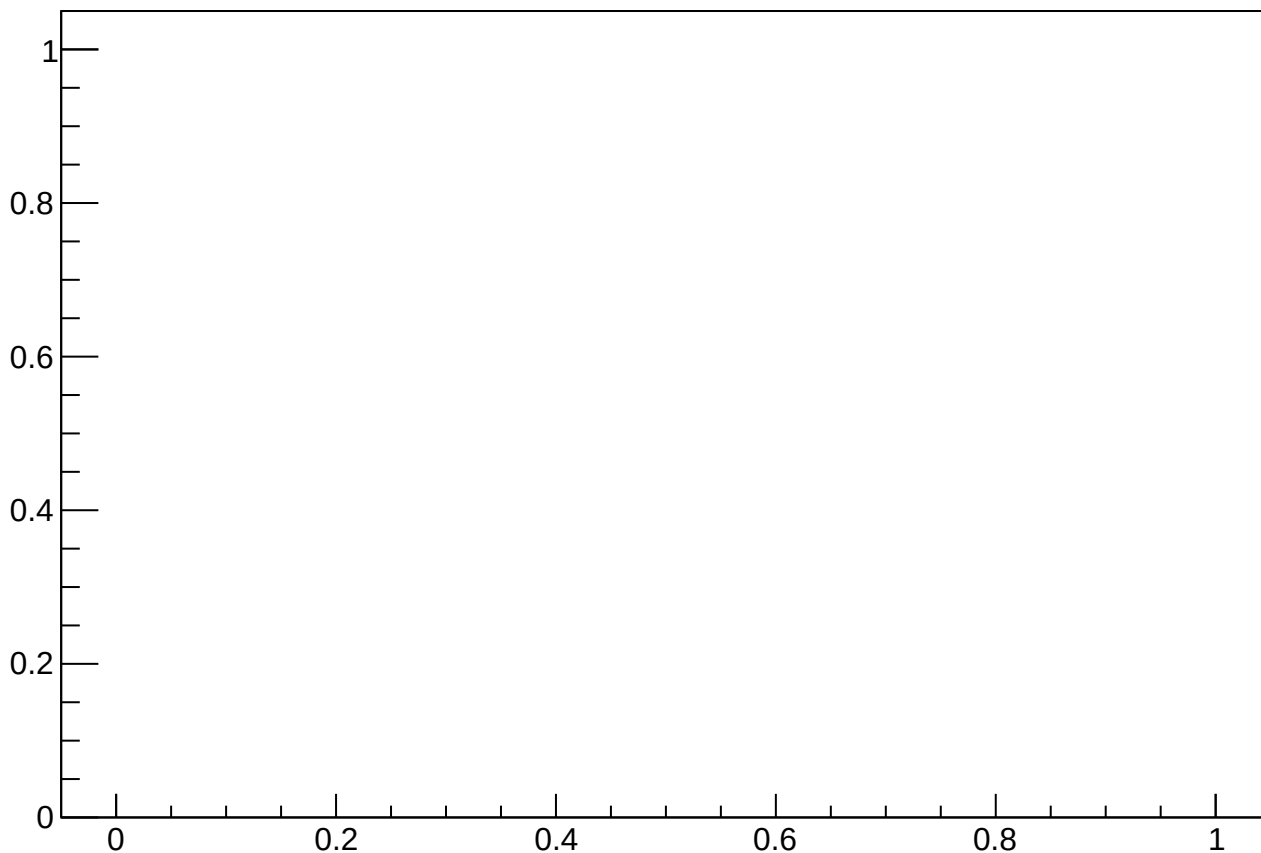
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

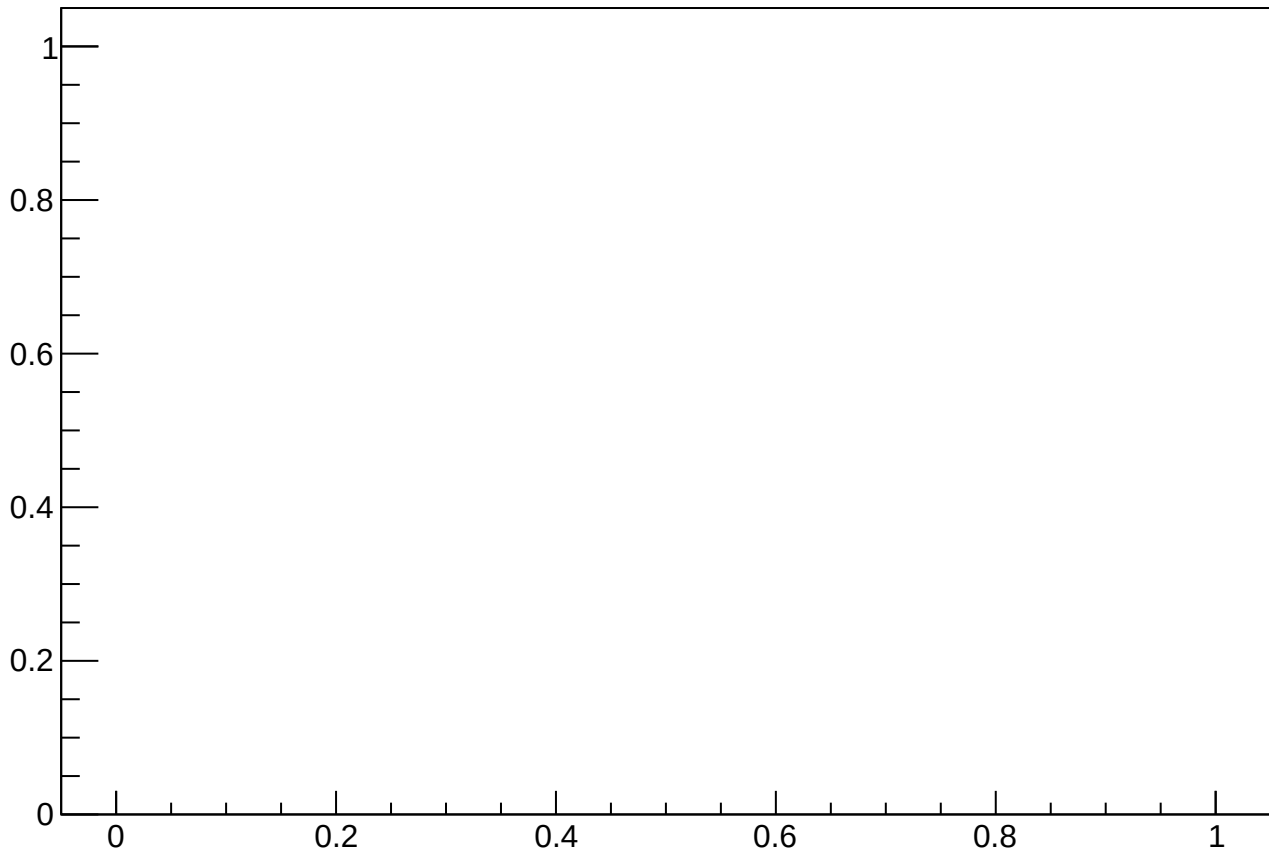
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata2\_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

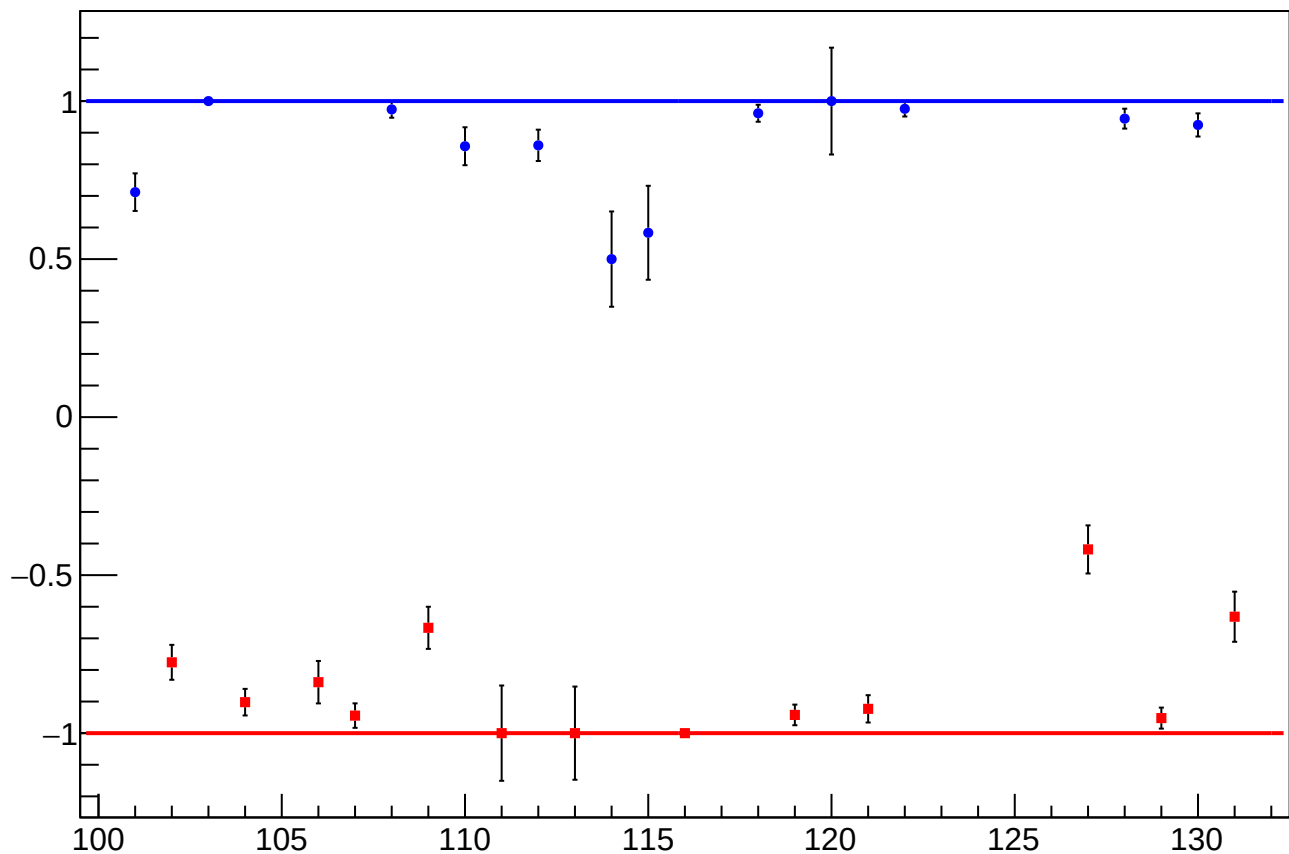
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_mean vs Slug, Sign Corrected



Right In: 1.000+/-0.000  $\chi^2/\text{NDF}$ : 67.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.000+/-0.000  $\chi^2/\text{NDF}$ : 143.0/12

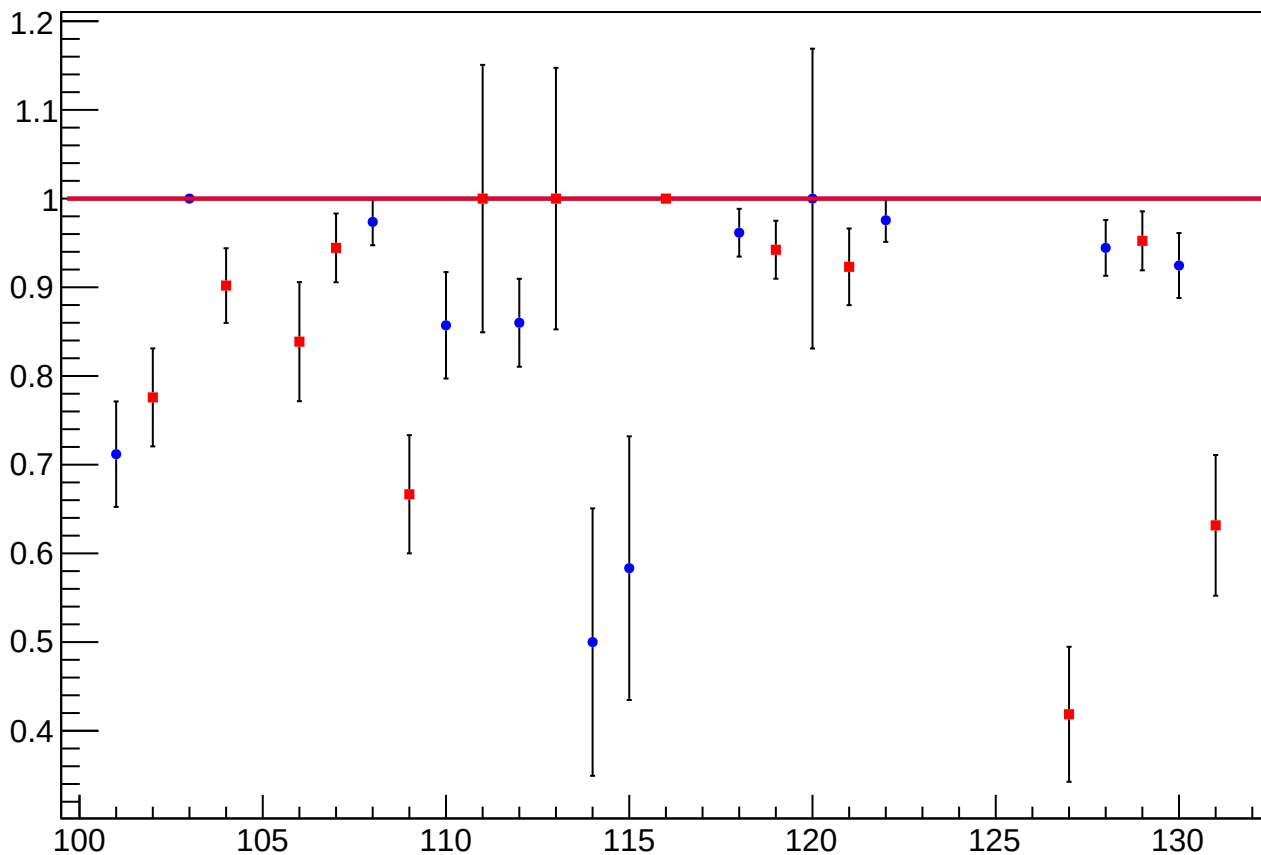
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.000+/-0.000  $\chi^2/\text{NDF}$ : 67.4/11

0.398+/-0.000  $\chi^2/\text{NDF}$ : 14173250084479

-1.000+/-0.000  $\chi^2/\text{NDF}$ : 143.0/12

# dit\_flag\_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000  $\chi^2/\text{NDF}$ : 67.4/11

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.000+/-0.000  $\chi^2/\text{NDF}$ : 143.0/12

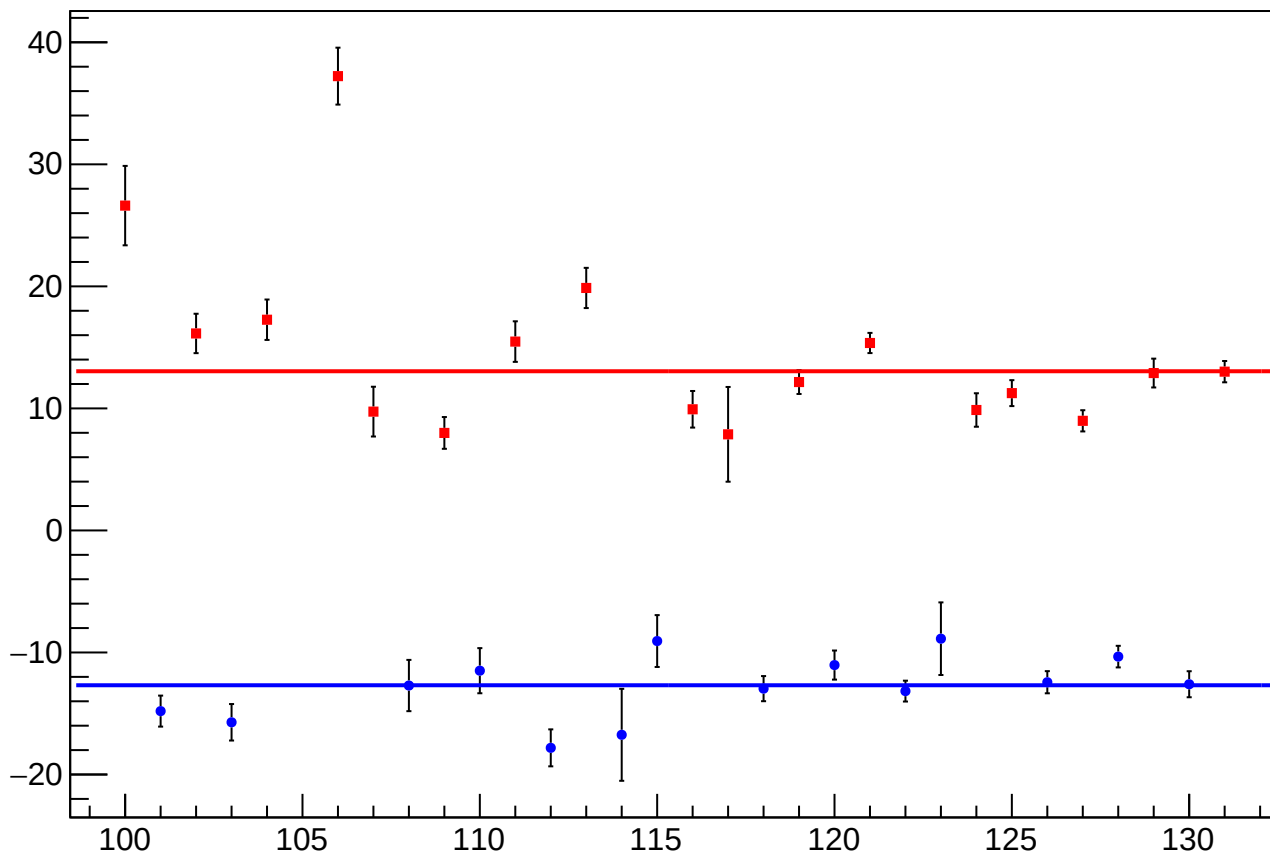
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.000+/-0.000  $\chi^2/\text{NDF}$ : 67.4/11

1.000+/-0.000  $\chi^2/\text{NDF}$ : 293.4/24

1.000+/-0.000  $\chi^2/\text{NDF}$ : 143.0/12

reg\_asym\_sam1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -12.686 $\pm$ 0.337  $\chi^2$ /NDF: 33.9/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.045 $\pm$ 0.310  $\chi^2$ /NDF: 216.9/16

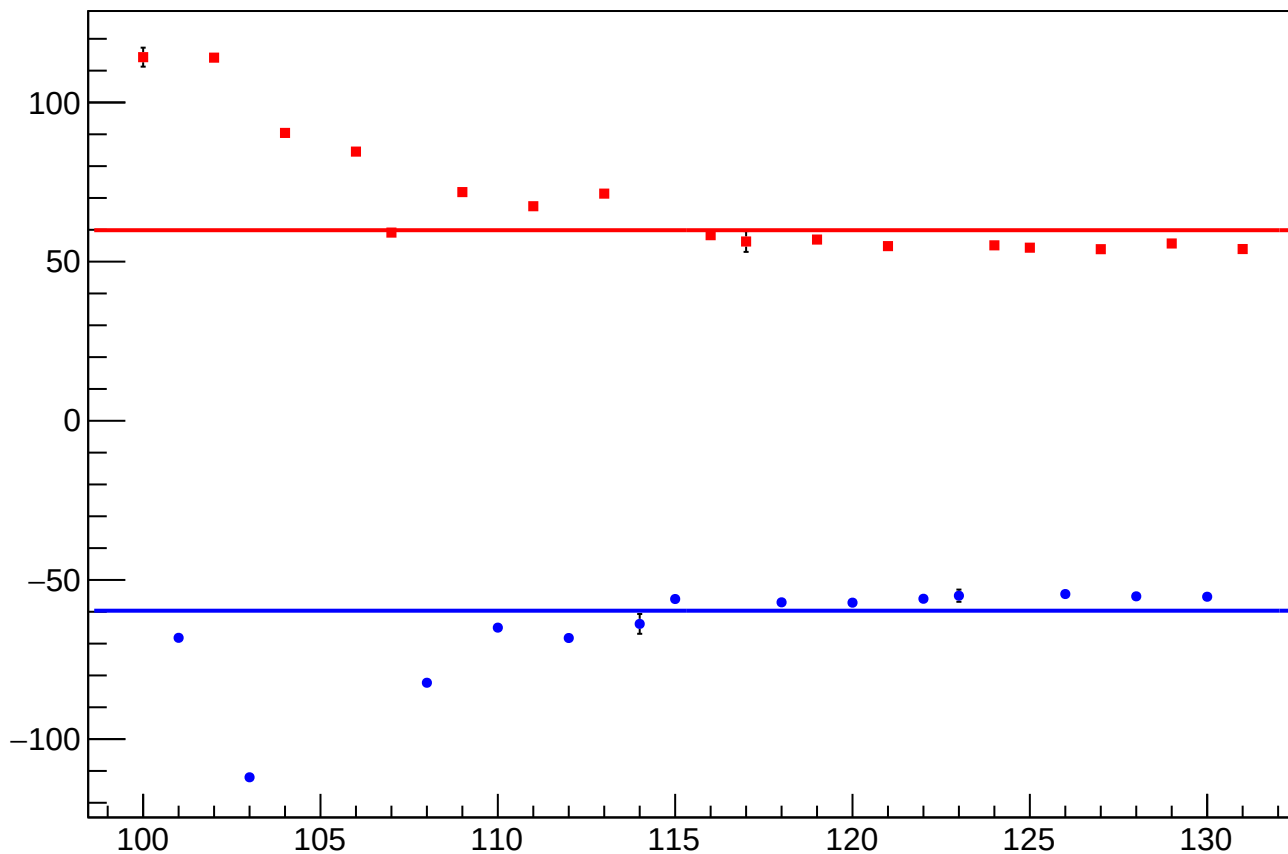
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-12.686 $\pm$ 0.337  $\chi^2$ /NDF: 33.9/13

1.226 $\pm$ 0.228  $\chi^2$ /NDF: 3406.2/30

13.045 $\pm$ 0.310  $\chi^2$ /NDF: 216.9/16

reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -59.663+/-0.186  $\chi^2/\text{NDF}$ : 3141.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 59.871+/-0.187  $\chi^2/\text{NDF}$ : 4386.2/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

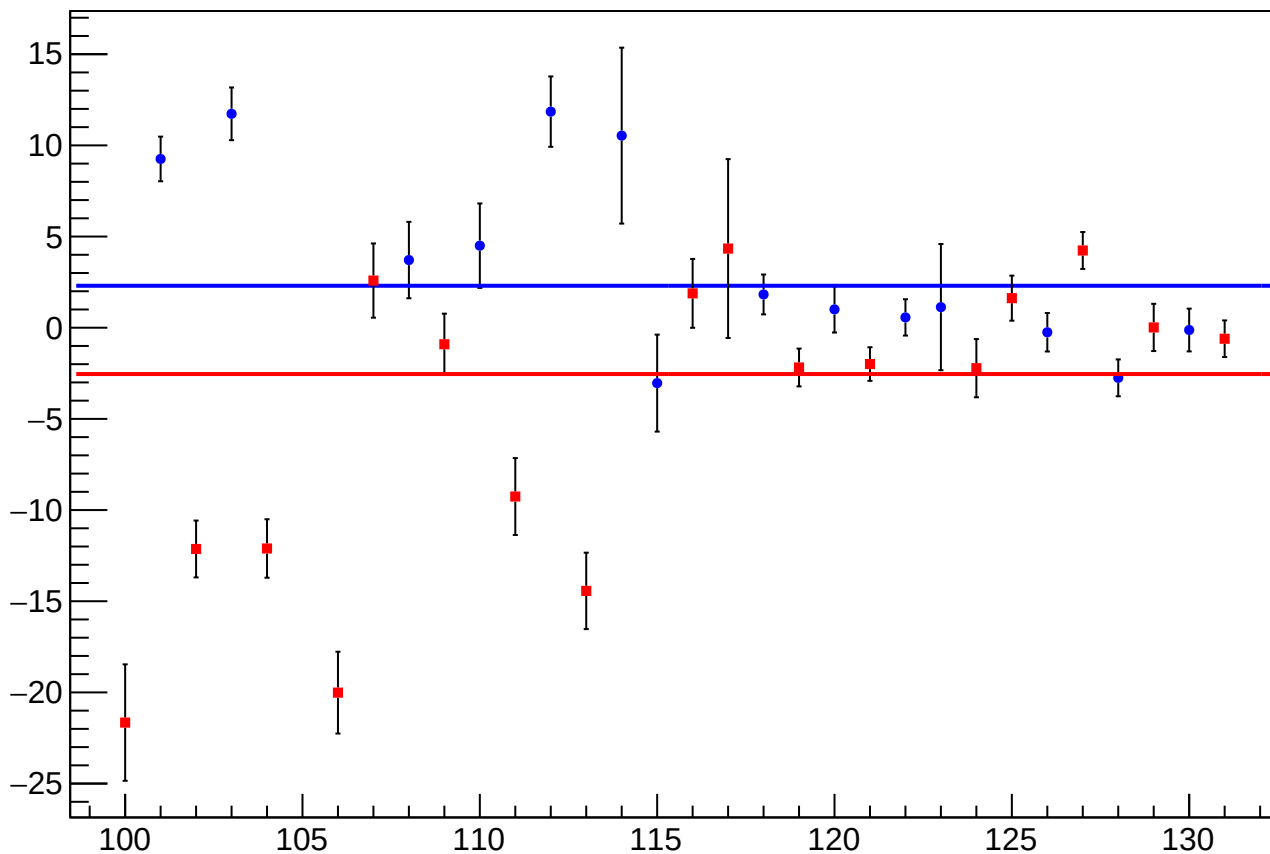
-59.663+/-0.186  $\chi^2/\text{NDF}$ : 3141.5/13

-0.518+/-0.132  $\chi^2/\text{NDF}$ : 212939.7/30

59.871+/-0.187  $\chi^2/\text{NDF}$ : 4386.2/16



reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.301+/-0.374  $\chi^2/\text{NDF}$ : 147.1/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.541+/-0.349  $\chi^2/\text{NDF}$ : 291.4/16

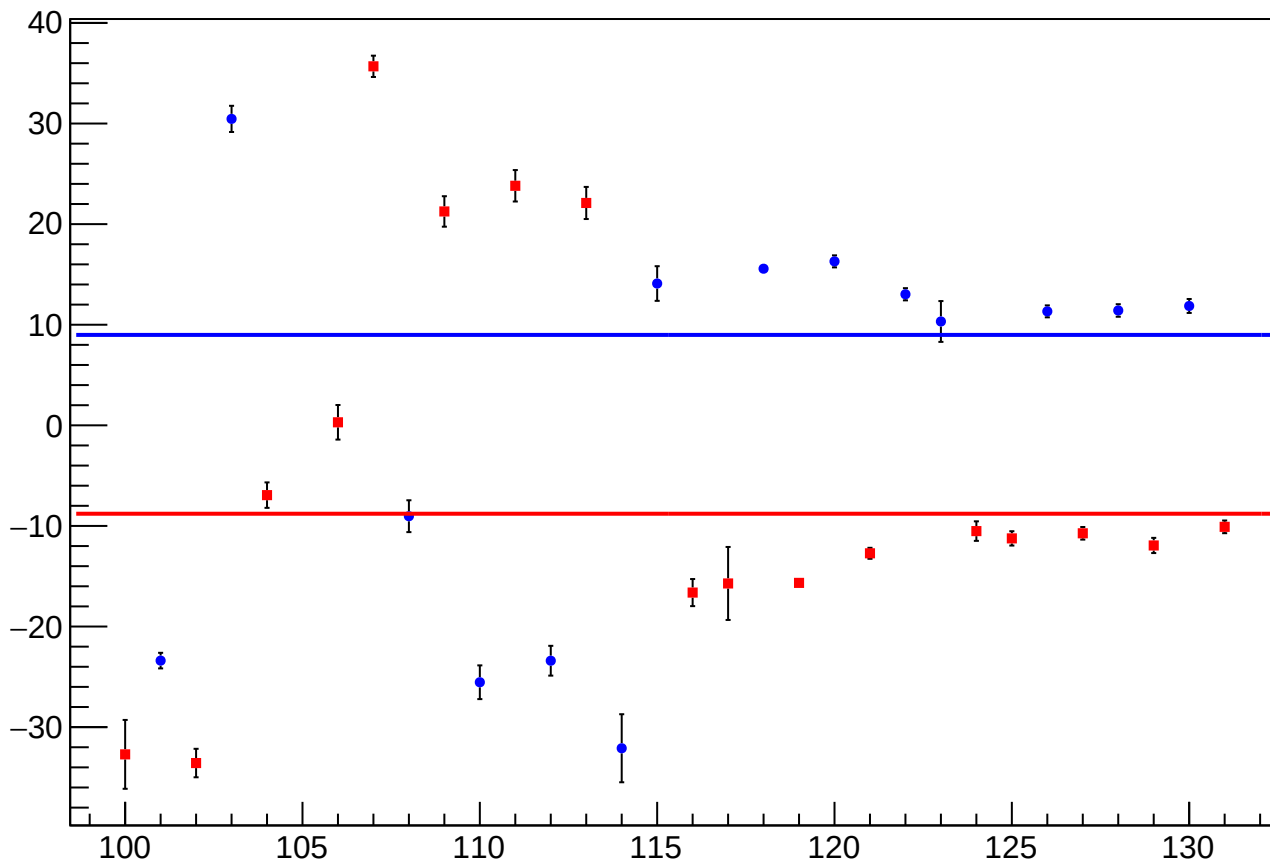
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.301+/-0.374  $\chi^2/\text{NDF}$ : 147.1/13

-0.281+/-0.255  $\chi^2/\text{NDF}$ : 528.0/30

-2.541+/-0.349  $\chi^2/\text{NDF}$ : 291.4/16

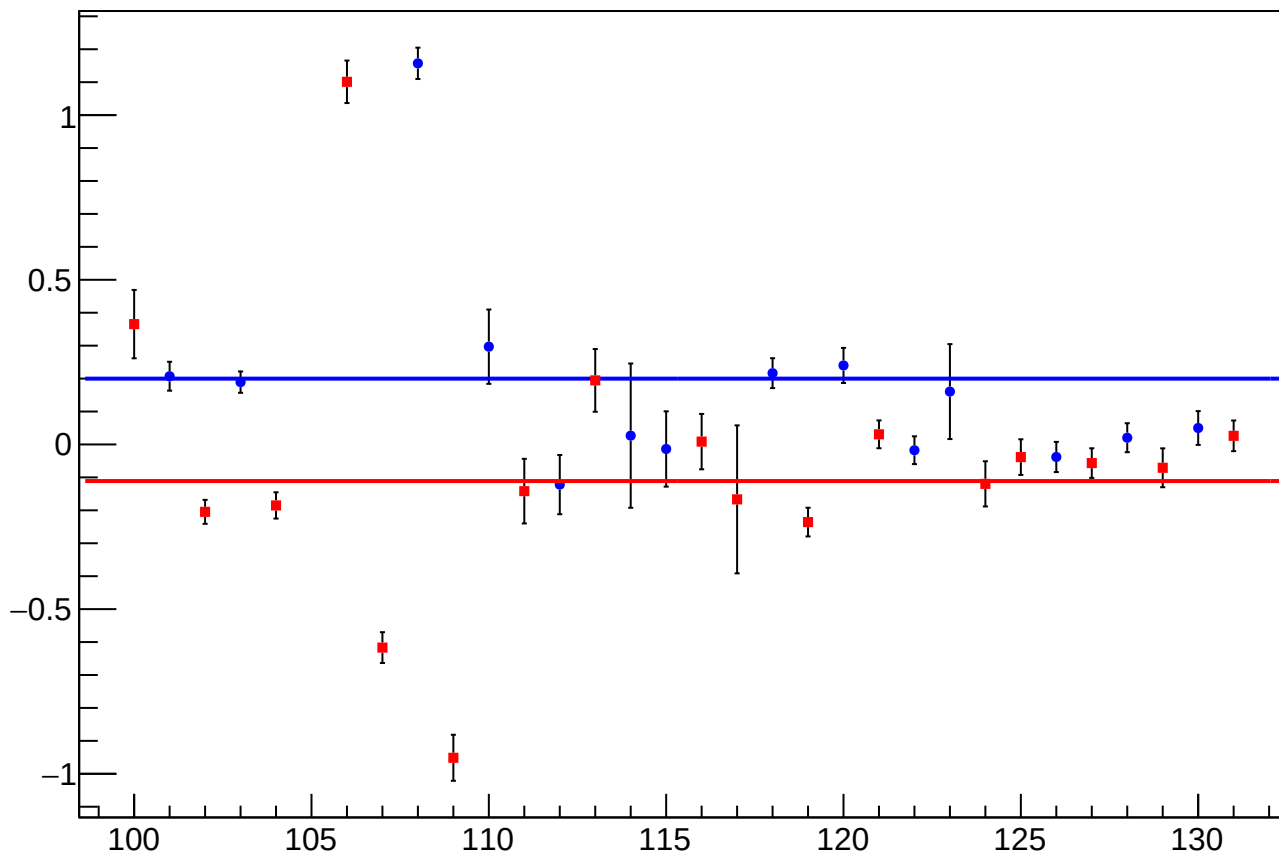
reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.989+/-0.217  $\chi^2/\text{NDF}$ : 3620.5/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -8.787+/-0.214  $\chi^2/\text{NDF}$ : 3691.6/16  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

8.989+/-0.217  $\chi^2/\text{NDF}$ : 3620.5/13  
 -0.031+/-0.153  $\chi^2/\text{NDF}$ : 10707.1/30  
 -8.787+/-0.214  $\chi^2/\text{NDF}$ : 3691.6/16

reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.200 $\pm$ 0.014  $\chi^2$ /NDF: 502.0/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.111 $\pm$ 0.013  $\chi^2$ /NDF: 690.1/16

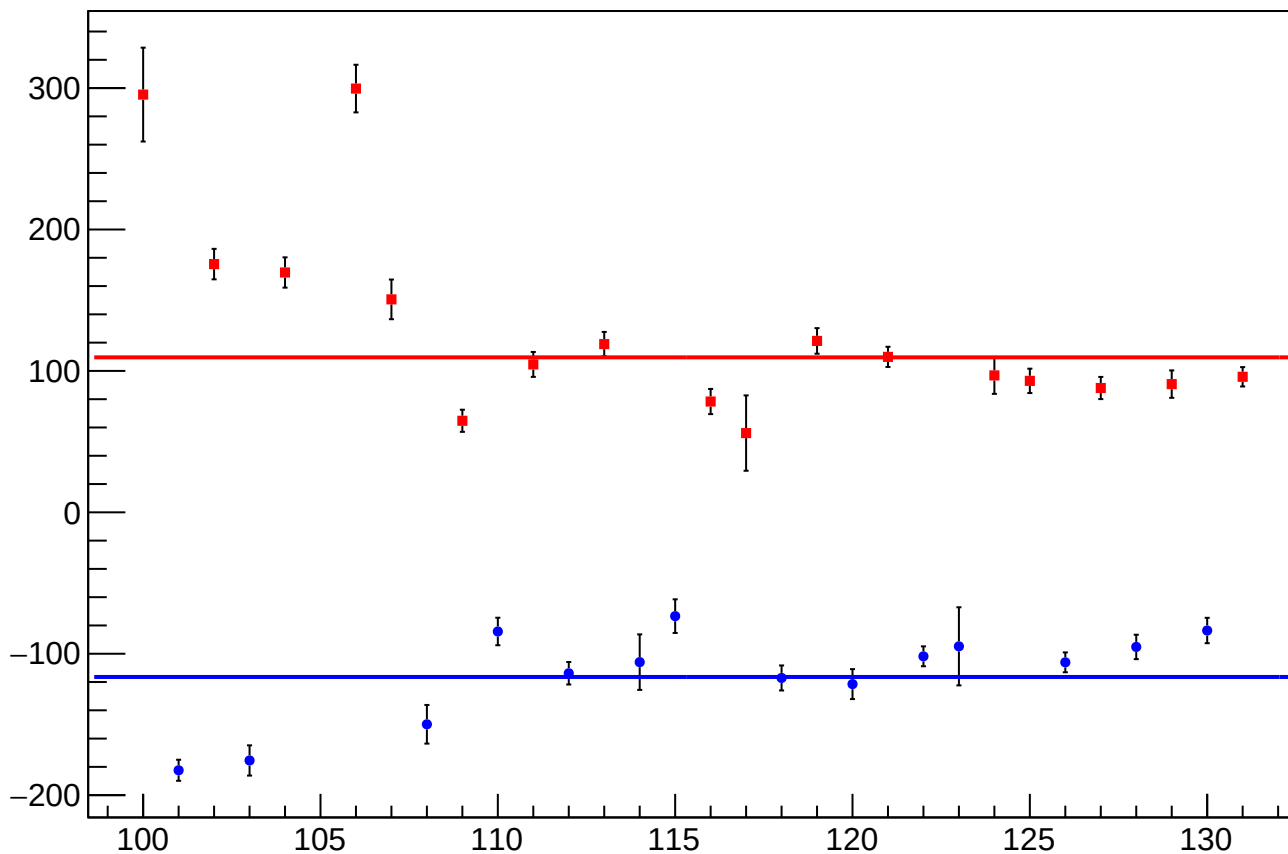
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

0.200 $\pm$ 0.014  $\chi^2$ /NDF: 502.0/13

0.036 $\pm$ 0.010  $\chi^2$ /NDF: 1449.3/30

-0.111 $\pm$ 0.013  $\chi^2$ /NDF: 690.1/16

reg\_asym\_sam2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -116.425+/-2.519  $\chi^2$ /NDF: 166.2/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 109.591+/-2.337  $\chi^2$ /NDF: 308.6/16

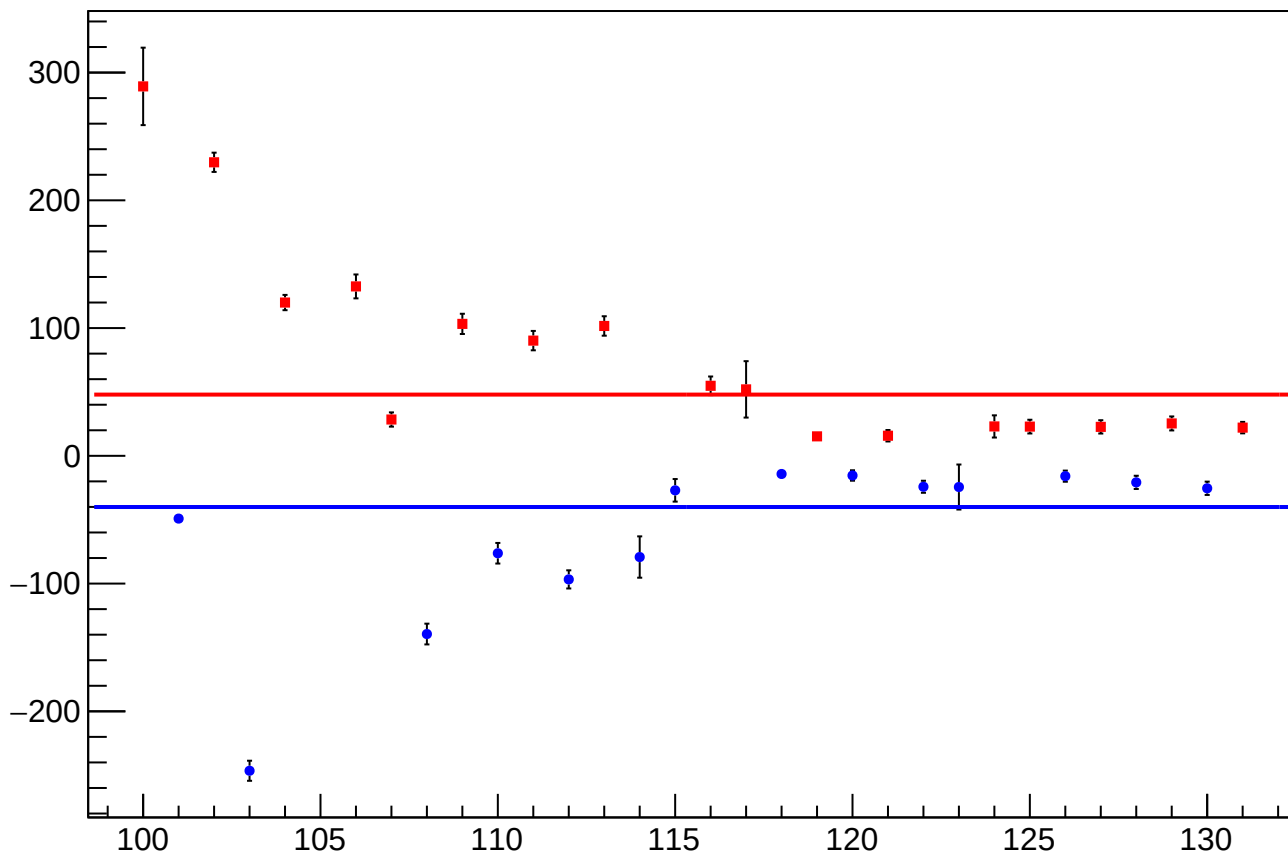
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-116.425+/-2.519  $\chi^2$ /NDF: 166.2/13

5.050+/-1.713  $\chi^2$ /NDF: 4800.9/30

109.591+/-2.337  $\chi^2$ /NDF: 308.6/16

reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-40.066 \pm 1.434$   $\chi^2/\text{NDF}: 1100.9/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $47.931 \pm 1.470$   $\chi^2/\text{NDF}: 1260.3/16$

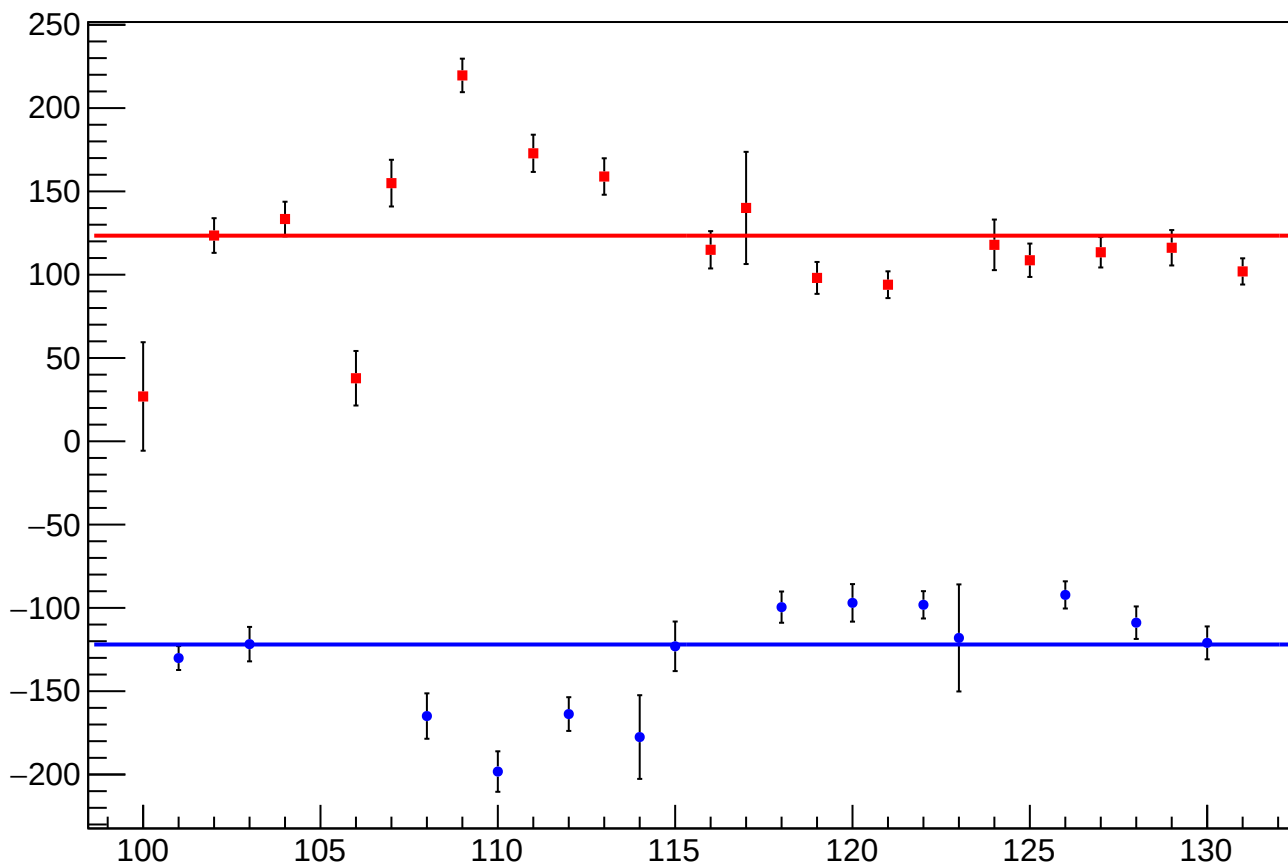
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-40.066 \pm 1.434$   $\chi^2/\text{NDF}: 1100.9/13$

$2.866 \pm 1.027$   $\chi^2/\text{NDF}: 4197.3/30$

$47.931 \pm 1.470$   $\chi^2/\text{NDF}: 1260.3/16$

reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -121.969 $\pm$ 2.799  $\chi^2$ /NDF: 106.7/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 123.425 $\pm$ 2.662  $\chi^2$ /NDF: 196.3/16

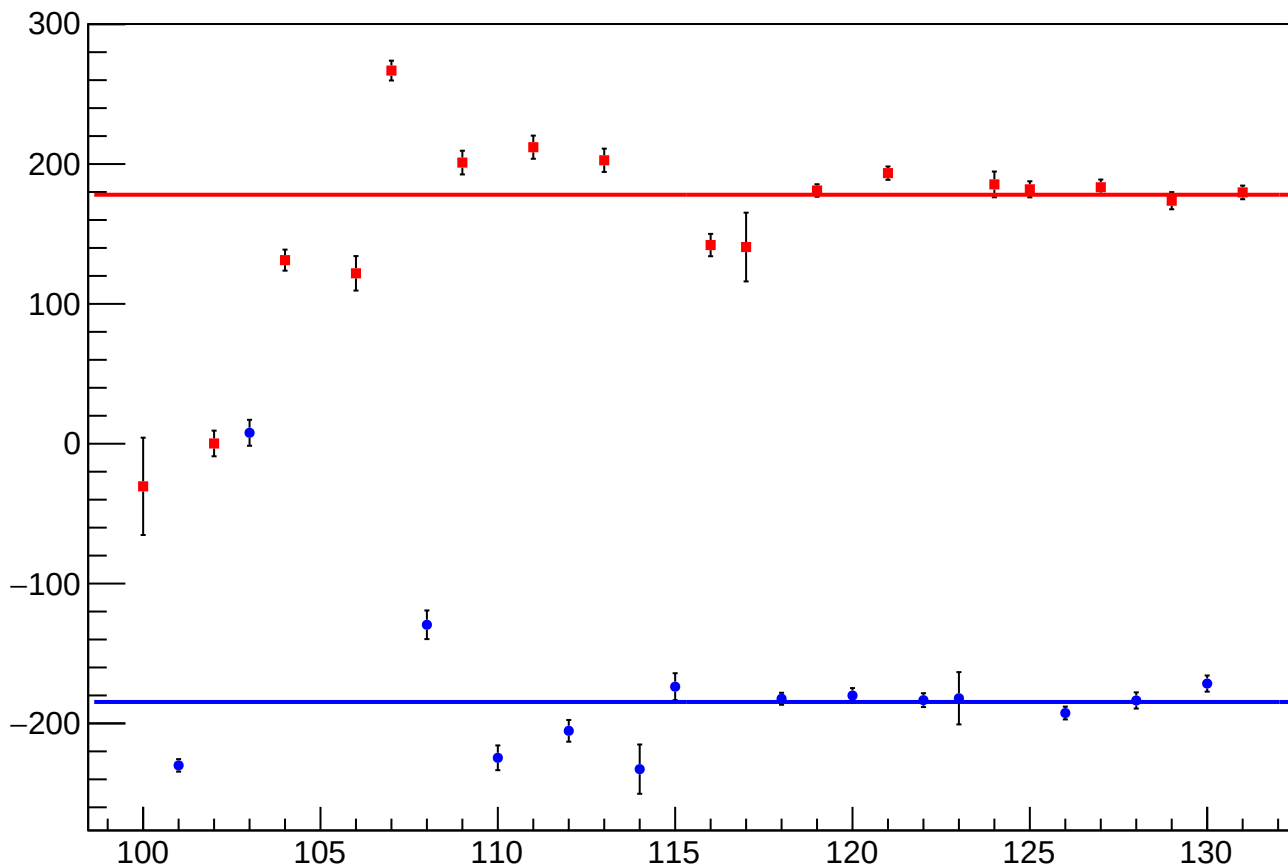
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-121.969 $\pm$ 2.799  $\chi^2$ /NDF: 106.7/13

6.871 $\pm$ 1.929  $\chi^2$ /NDF: 4339.2/30

123.425 $\pm$ 2.662  $\chi^2$ /NDF: 196.3/16

reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-184.662 \pm 1.677$   $\chi^2/\text{NDF}: 607.4/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $178.051 \pm 1.679$   $\chi^2/\text{NDF}: 697.2/16$

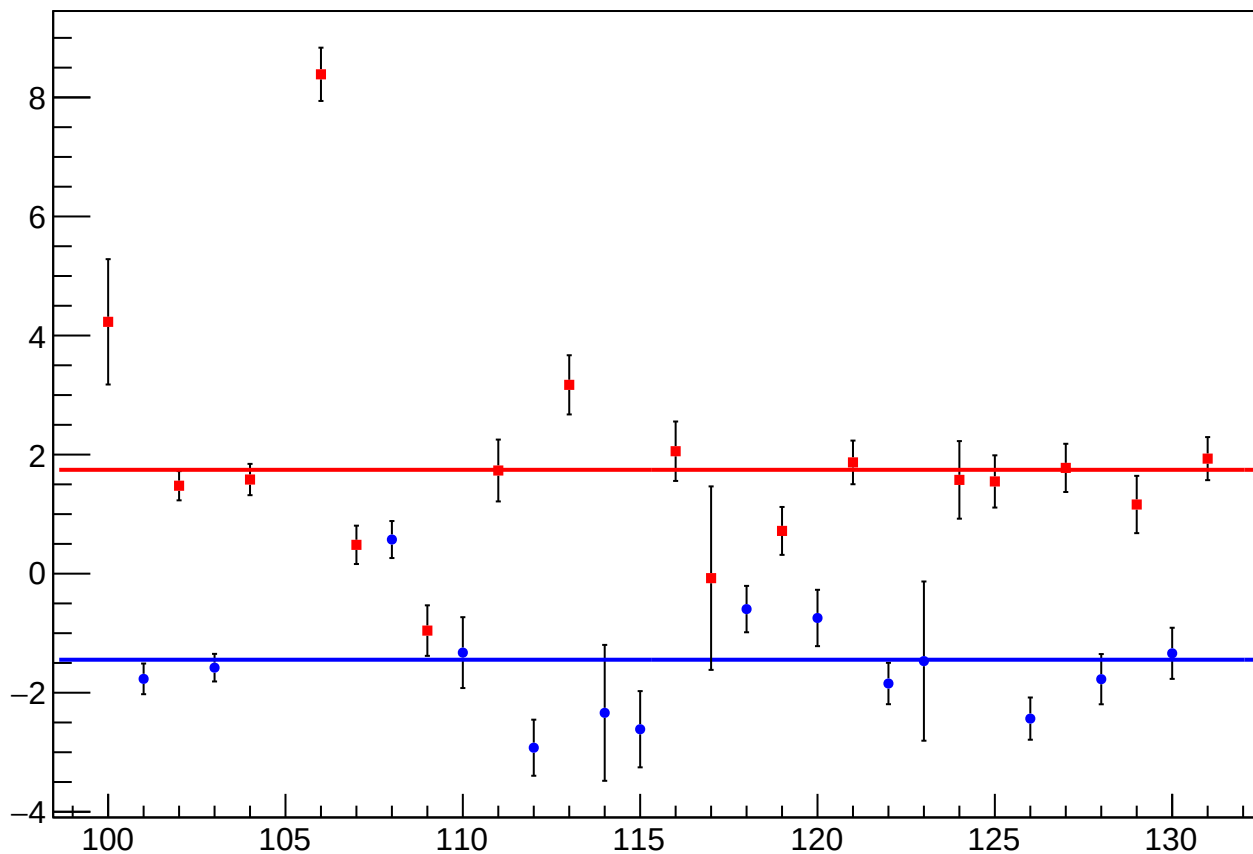
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-184.662 \pm 1.677$   $\chi^2/\text{NDF}: 607.4/13$

$-3.492 \pm 1.187$   $\chi^2/\text{NDF}: 24661.3/30$

$178.051 \pm 1.679$   $\chi^2/\text{NDF}: 697.2/16$

reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.446 $\pm$ 0.103  $\chi^2$ /NDF: 74.6/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.744 $\pm$ 0.098  $\chi^2$ /NDF: 301.9/16

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

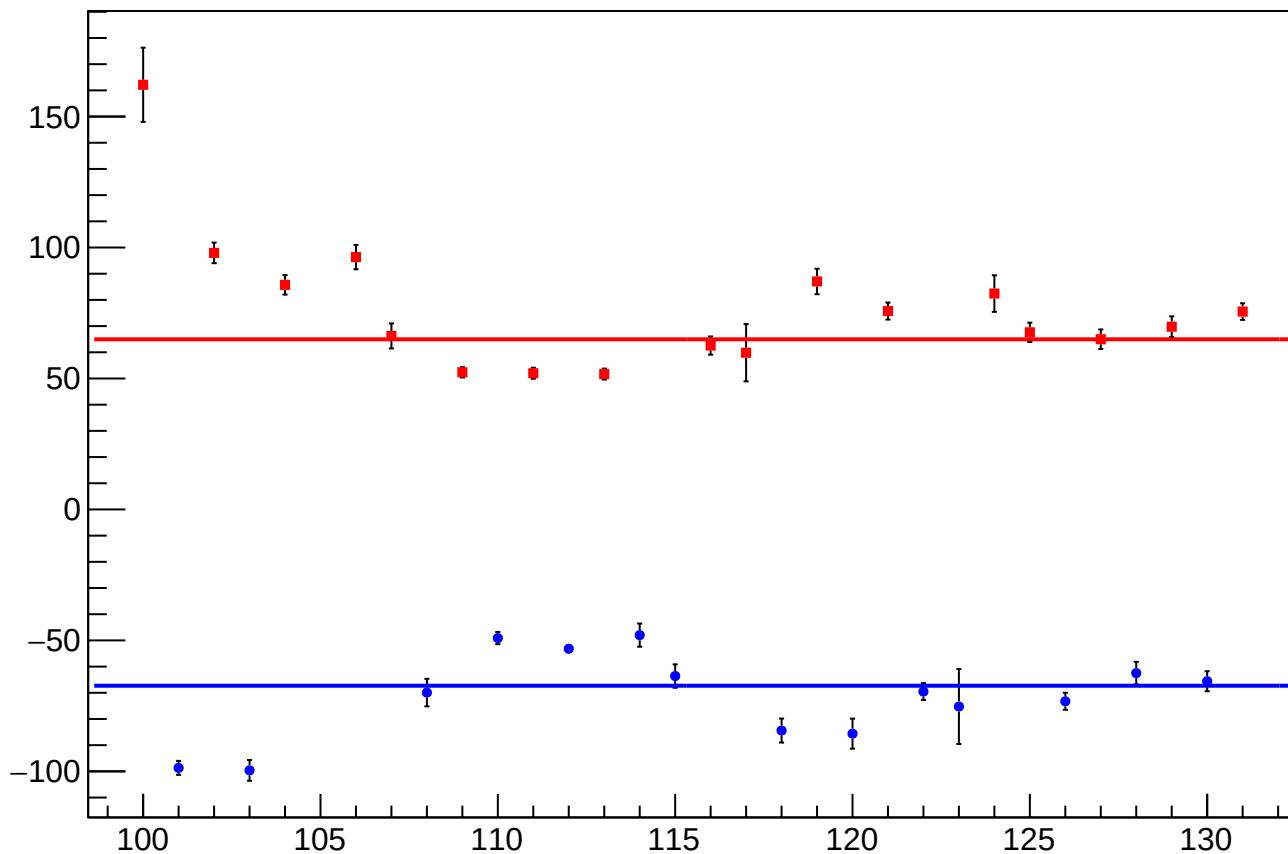
-1.446 $\pm$ 0.103  $\chi^2$ /NDF: 74.6/13

0.231 $\pm$ 0.071  $\chi^2$ /NDF: 876.5/30

1.744 $\pm$ 0.098  $\chi^2$ /NDF: 301.9/16



reg\_asym\_sam3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -67.305+/-0.916  $\chi^2/\text{NDF}$ : 368.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 64.961+/-0.815  $\chi^2/\text{NDF}$ : 365.9/16

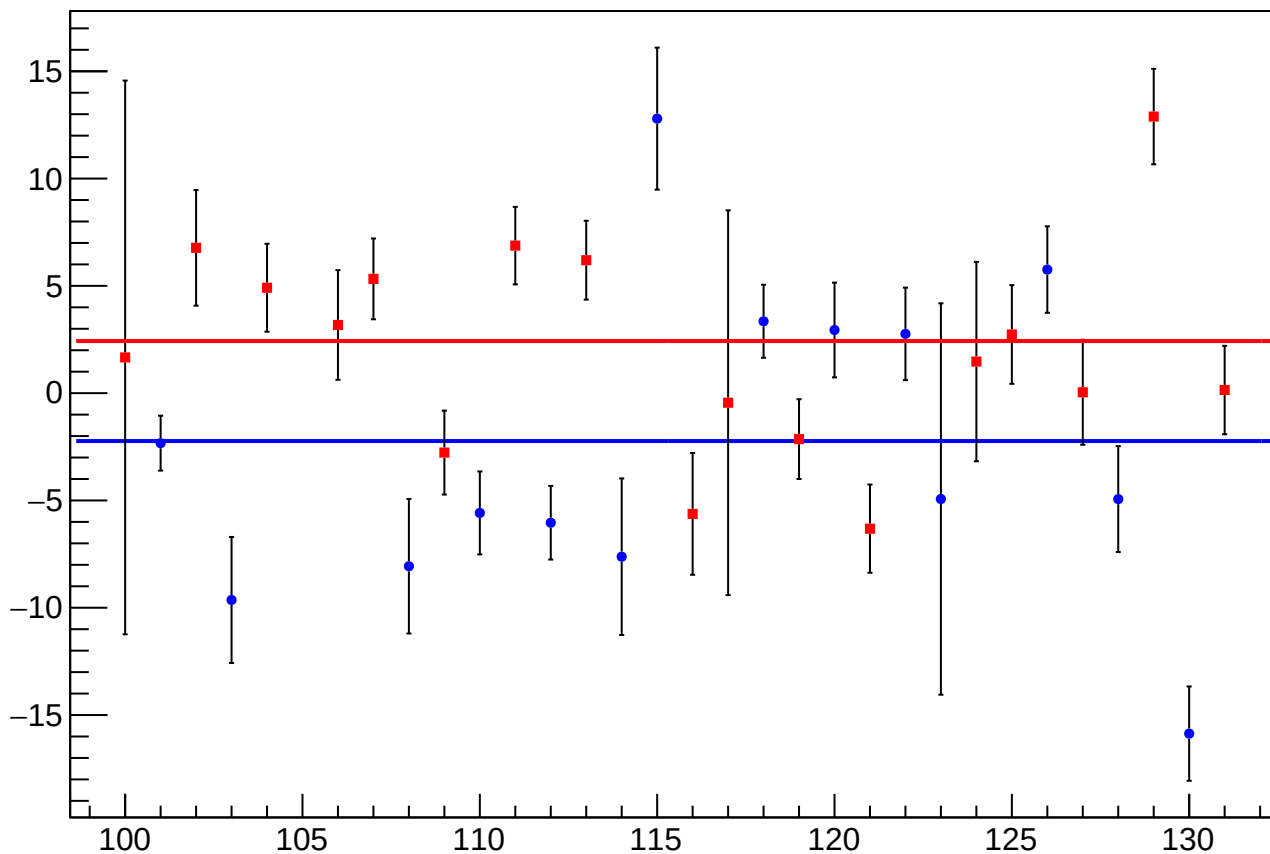
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-67.305+/-0.916  $\chi^2/\text{NDF}$ : 368.8/13

6.499+/-0.609  $\chi^2/\text{NDF}$ : 12374.4/30

64.961+/-0.815  $\chi^2/\text{NDF}$ : 365.9/16

reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-2.232 \pm 0.578$   $\chi^2/\text{NDF}: 117.7/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $2.428 \pm 0.560$   $\chi^2/\text{NDF}: 80.5/16$

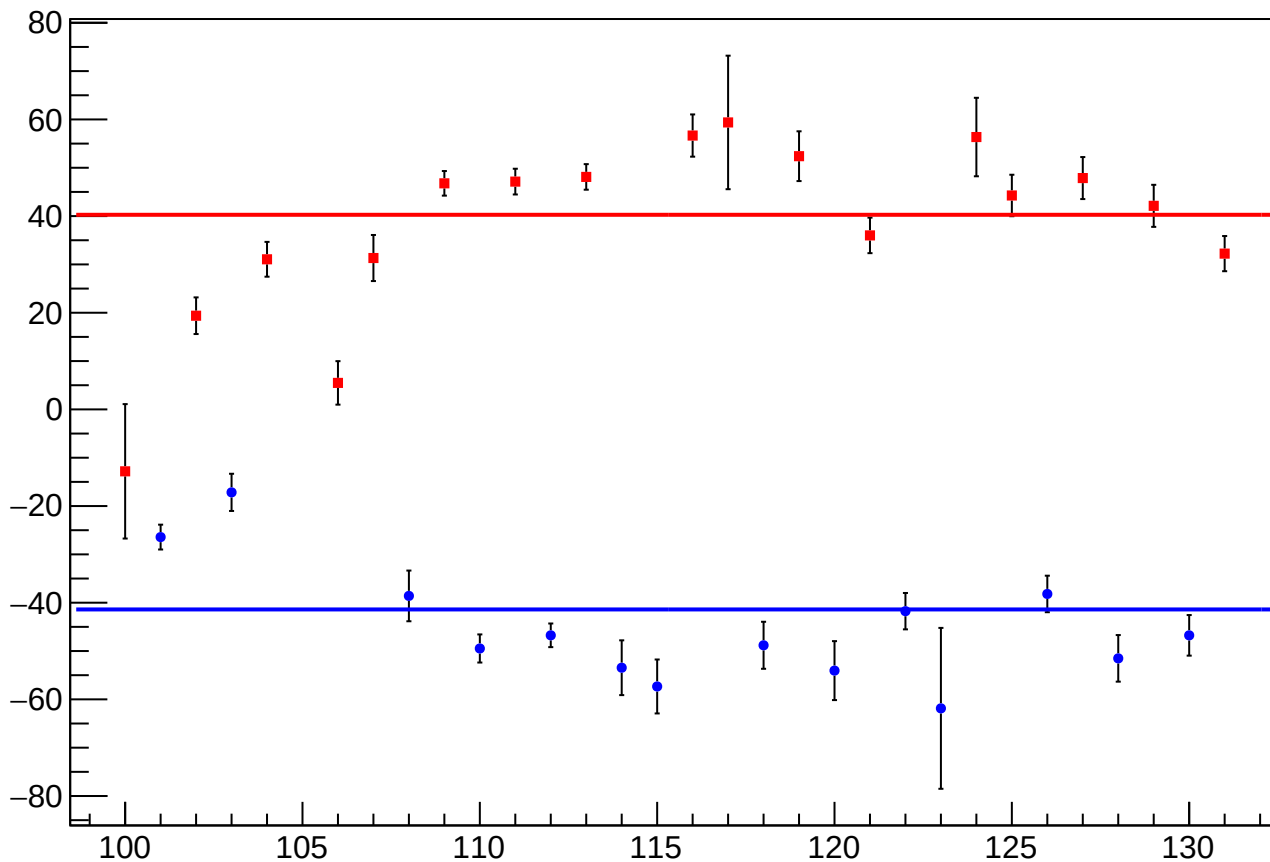
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-2.232 \pm 0.578$   $\chi^2/\text{NDF}: 117.7/13$

$0.168 \pm 0.402$   $\chi^2/\text{NDF}: 231.7/30$

$2.428 \pm 0.560$   $\chi^2/\text{NDF}: 80.5/16$

reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -41.395+/-1.044  $\chi^2/\text{NDF}$ : 114.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.268+/-0.952  $\chi^2/\text{NDF}$ : 172.5/16

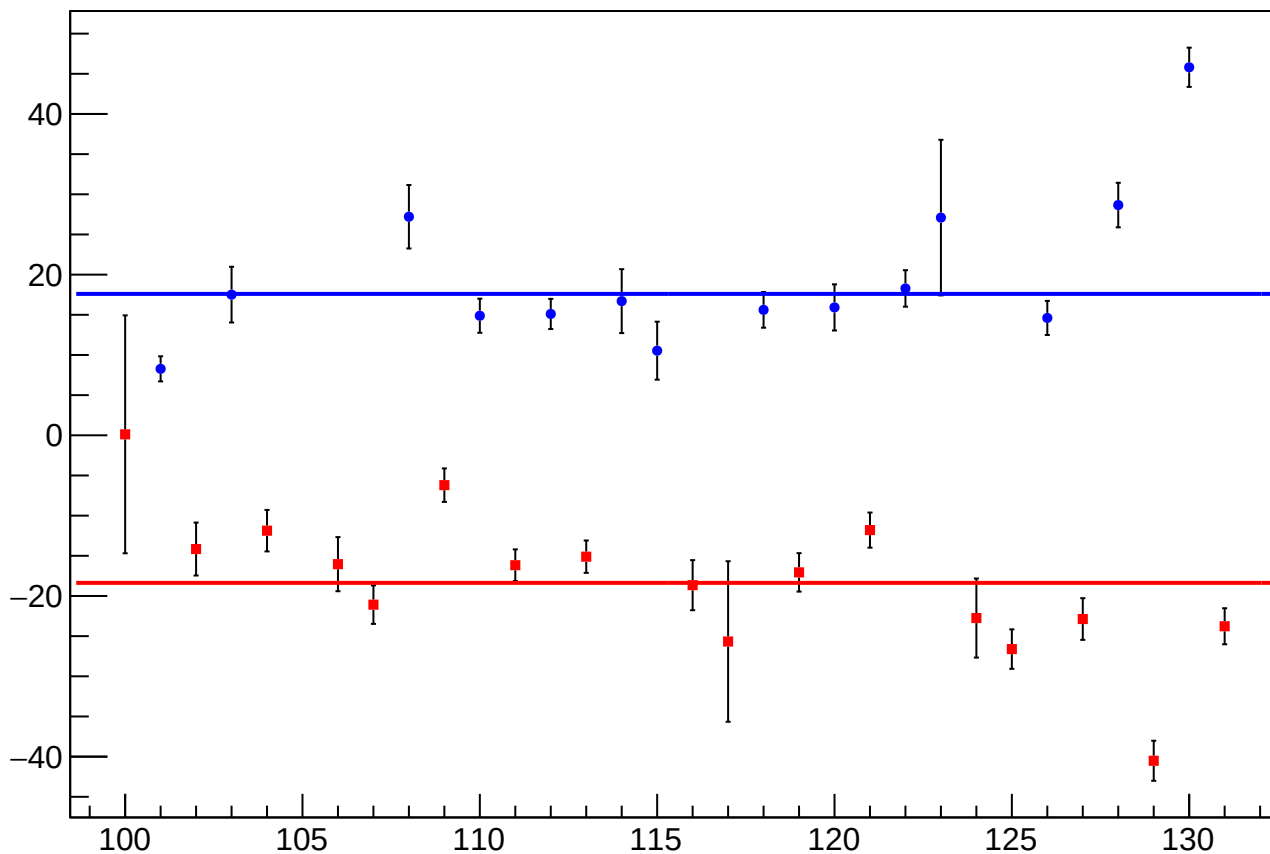
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-41.395+/-1.044  $\chi^2/\text{NDF}$ : 114.0/13

3.207+/-0.703  $\chi^2/\text{NDF}$ : 3626.5/30

40.268+/-0.952  $\chi^2/\text{NDF}$ : 172.5/16

reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 17.602 $\pm$ 0.667  $\chi^2$ /NDF: 202.4/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -18.368 $\pm$ 0.638  $\chi^2$ /NDF: 158.8/16

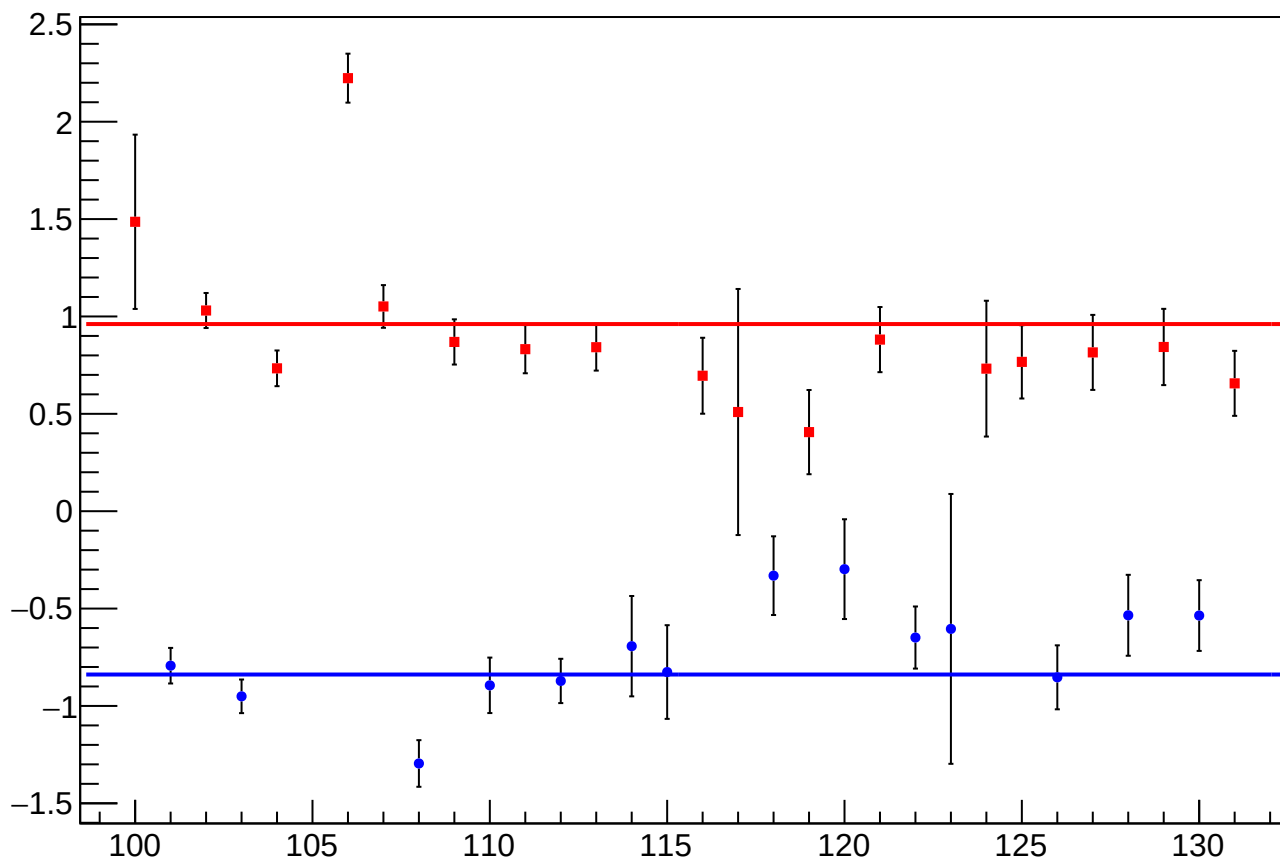
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

17.602 $\pm$ 0.667  $\chi^2$ /NDF: 202.4/13

-1.163 $\pm$ 0.461  $\chi^2$ /NDF: 1880.3/30

-18.368 $\pm$ 0.638  $\chi^2$ /NDF: 158.8/16

reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.839 \pm 0.039$   $\chi^2/\text{NDF}$ : 34.3/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.961 \pm 0.035$   $\chi^2/\text{NDF}$ : 127.3/16

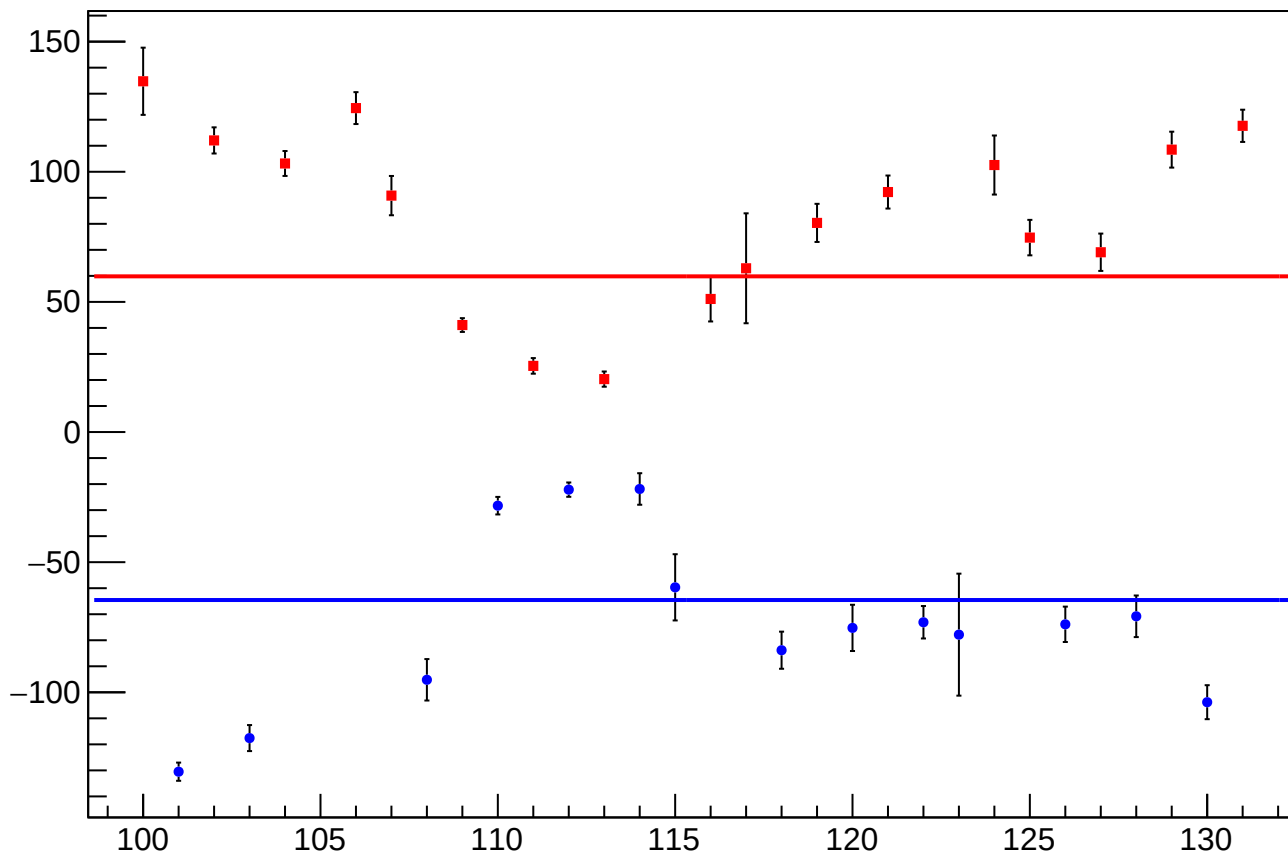
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.839 \pm 0.039$   $\chi^2/\text{NDF}$ : 34.3/13

$0.159 \pm 0.026$   $\chi^2/\text{NDF}$ : 1336.6/30

$0.961 \pm 0.035$   $\chi^2/\text{NDF}$ : 127.3/16

reg\_asym\_sam4\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -64.543+/-1.398  $\chi^2/\text{NDF}$ : 935.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 59.819+/-1.232  $\chi^2/\text{NDF}$ : 908.5/16

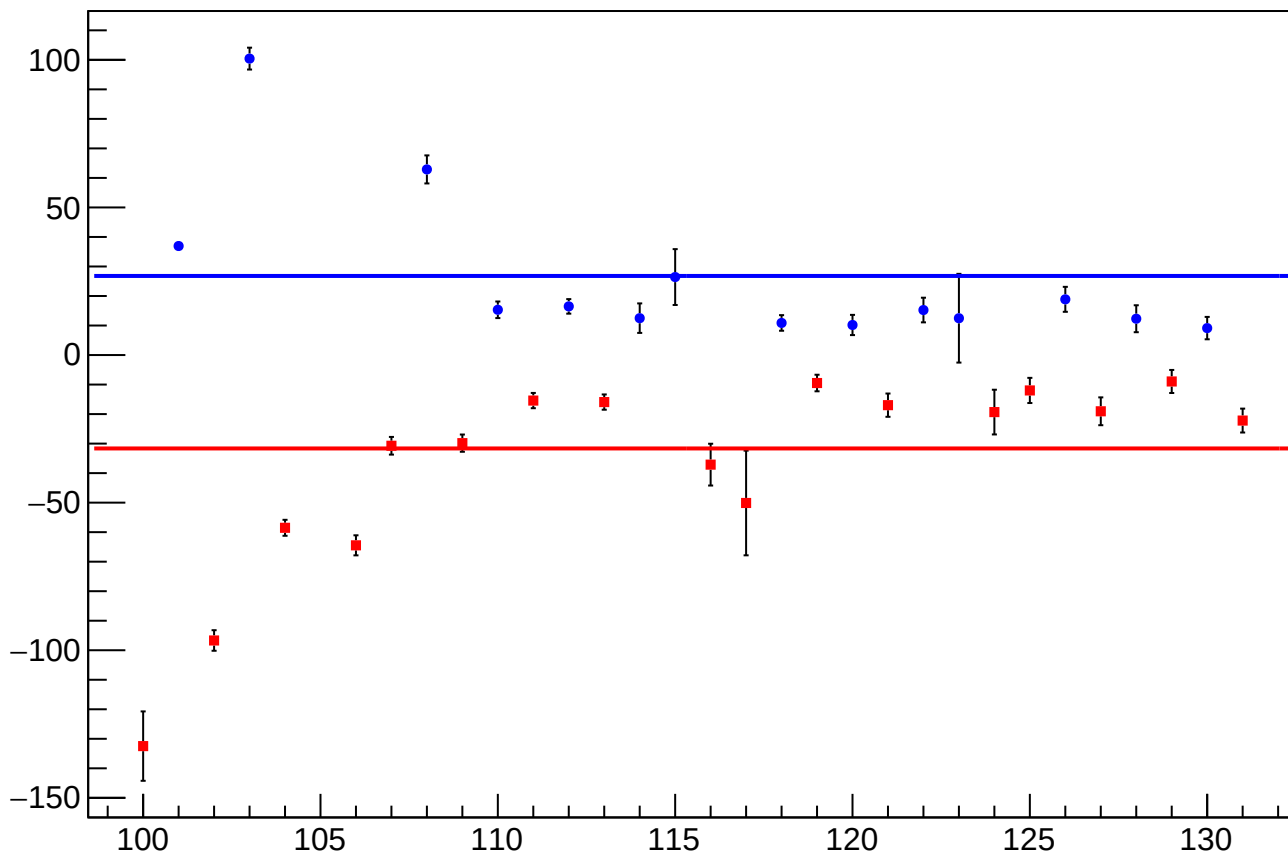
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-64.543+/-1.398  $\chi^2/\text{NDF}$ : 935.6/13

5.480+/-0.924  $\chi^2/\text{NDF}$ : 6299.5/30

59.819+/-1.232  $\chi^2/\text{NDF}$ : 908.5/16

reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 26.793+/-0.886  $\chi^2$ /NDF: 634.8/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -31.645+/-0.877  $\chi^2$ /NDF: 839.3/16

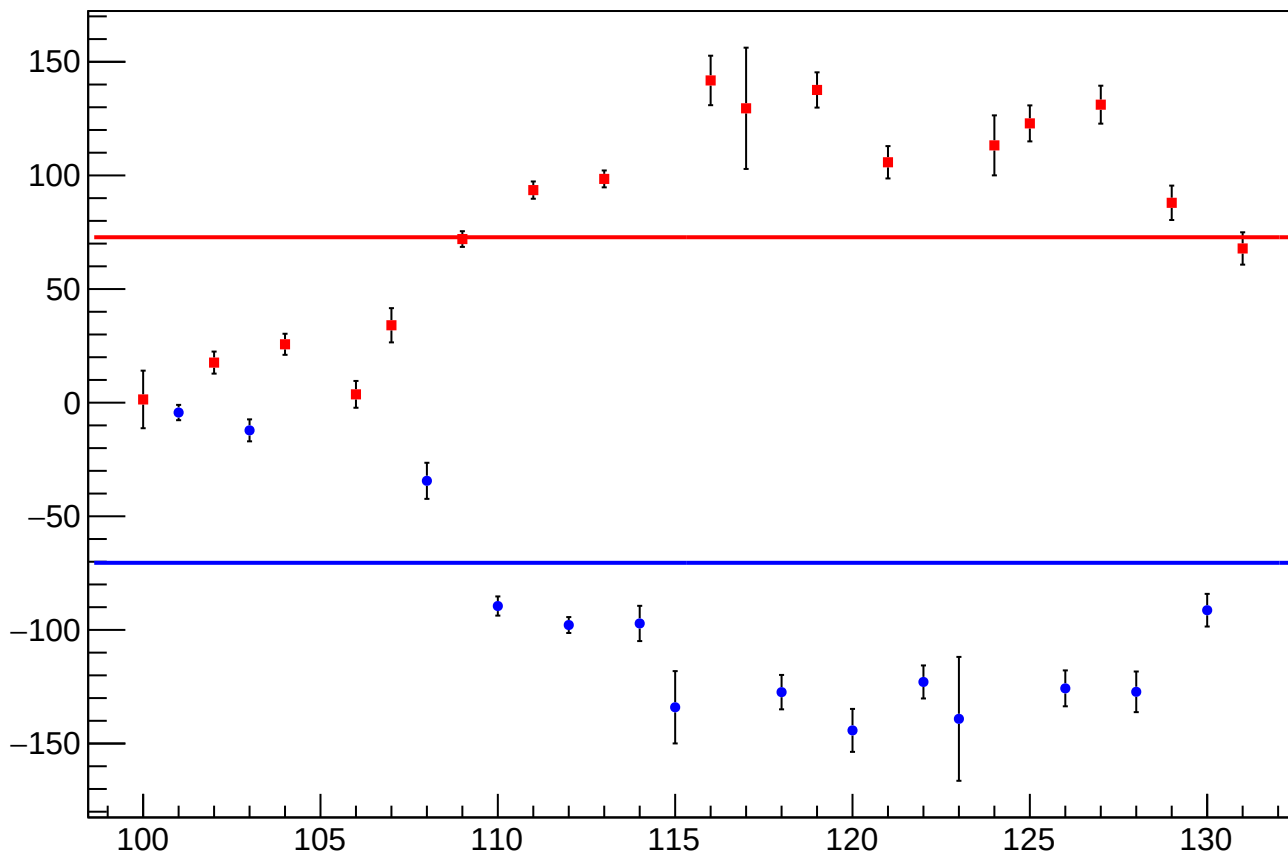
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

26.793+/-0.886  $\chi^2$ /NDF: 634.8/13

-2.718+/-0.623  $\chi^2$ /NDF: 3671.3/30

-31.645+/-0.877  $\chi^2$ /NDF: 839.3/16

reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -70.471+/-1.578  $\chi^2/\text{NDF}$ : 933.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 72.798+/-1.434  $\chi^2/\text{NDF}$ : 744.1/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

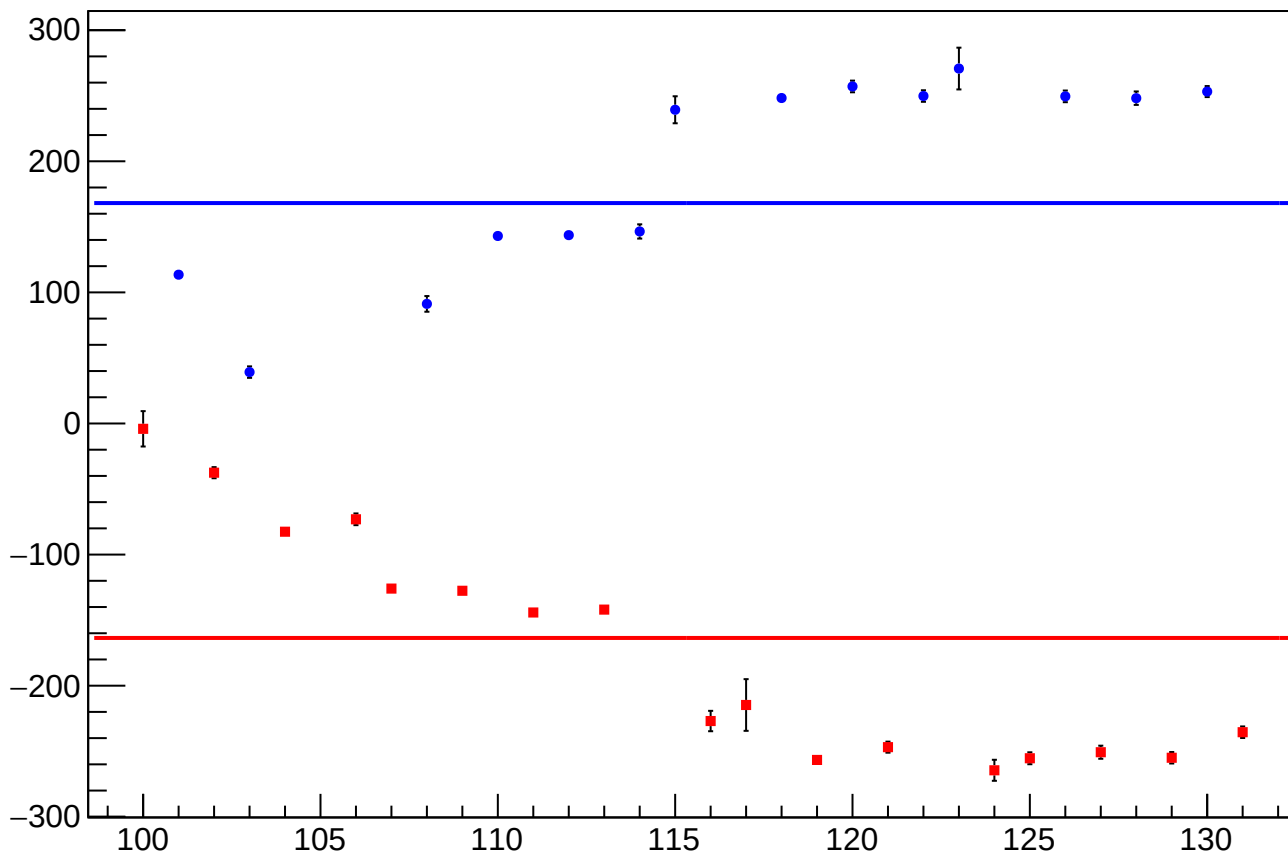
-70.471+/-1.578  $\chi^2/\text{NDF}$ : 933.9/13

7.997+/-1.061  $\chi^2/\text{NDF}$ : 6193.6/30

72.798+/-1.434  $\chi^2/\text{NDF}$ : 744.1/16



reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 168.127+/-1.033  $\chi^2/\text{NDF}$ : 4259.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -163.590+/-1.008  $\chi^2/\text{NDF}$ : 5043.3/16

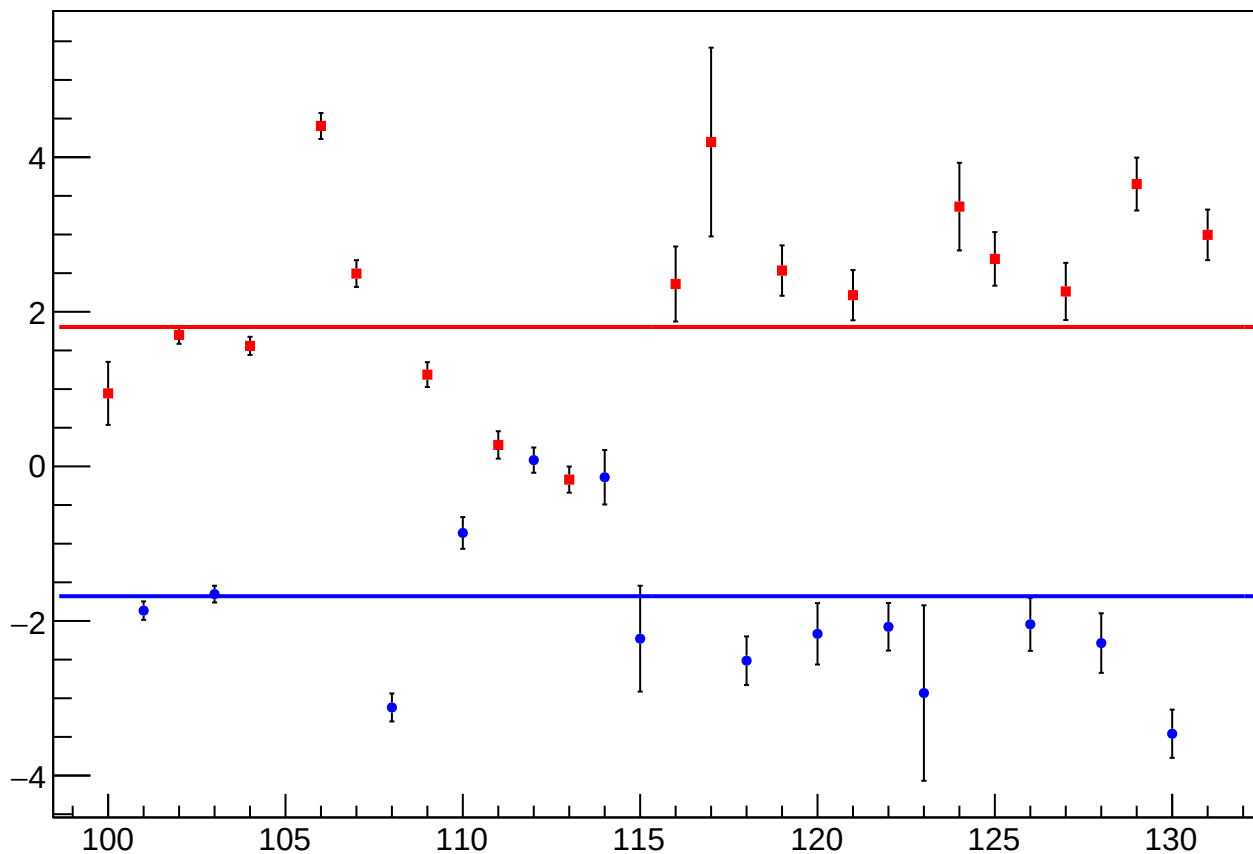
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

168.127+/-1.033  $\chi^2/\text{NDF}$ : 4259.5/13

-1.810+/-0.721  $\chi^2/\text{NDF}$ : 62139.4/30

-163.590+/-1.008  $\chi^2/\text{NDF}$ : 5043.3/16

reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.680+/-0.057  $\chi^2$ /NDF: 265.1/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.804+/-0.051  $\chi^2$ /NDF: 560.6/16

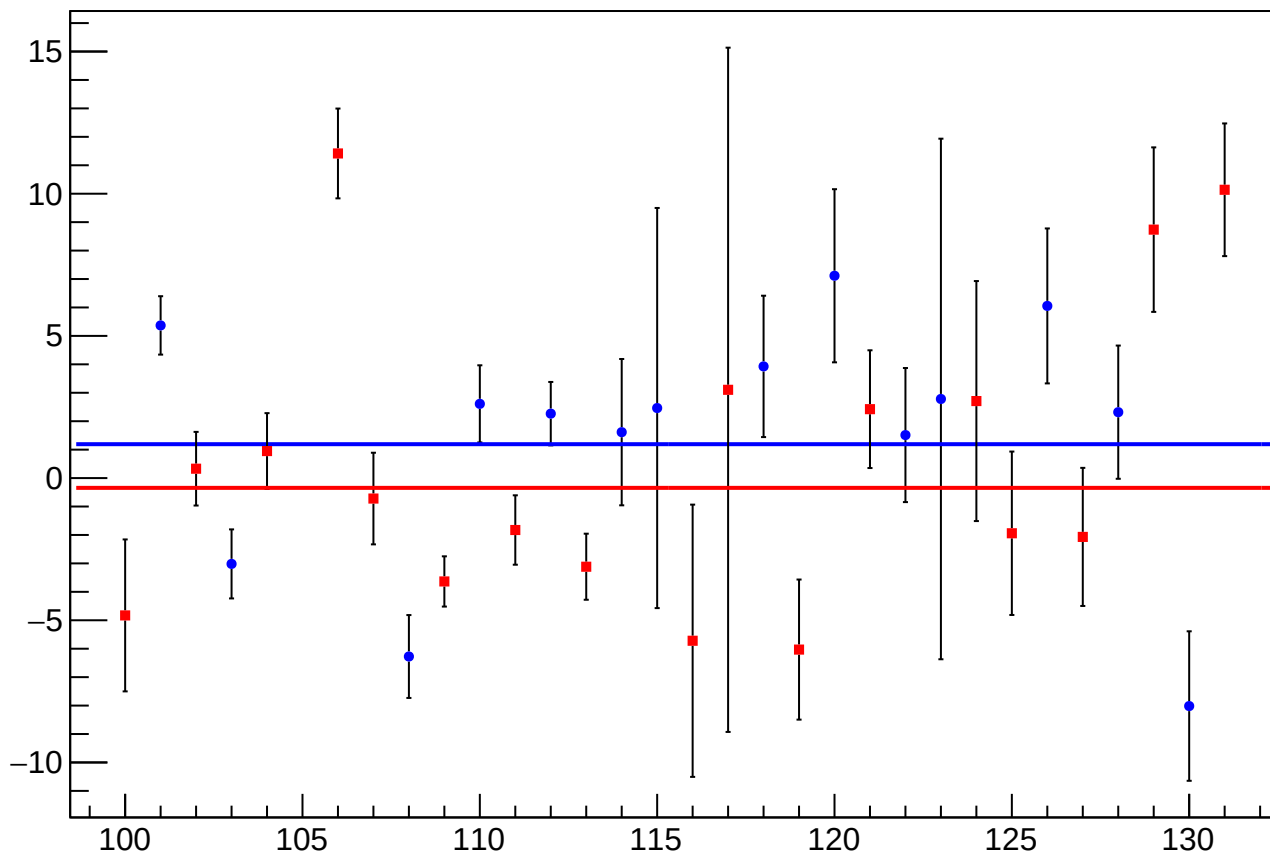
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-1.680+/-0.057  $\chi^2$ /NDF: 265.1/13

0.259+/-0.038  $\chi^2$ /NDF: 2921.2/30

1.804+/-0.051  $\chi^2$ /NDF: 560.6/16

reg\_asym\_sam5\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.192 $\pm$ 0.469  $\chi^2$ /NDF: 77.6/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.344 $\pm$ 0.412  $\chi^2$ /NDF: 120.4/16

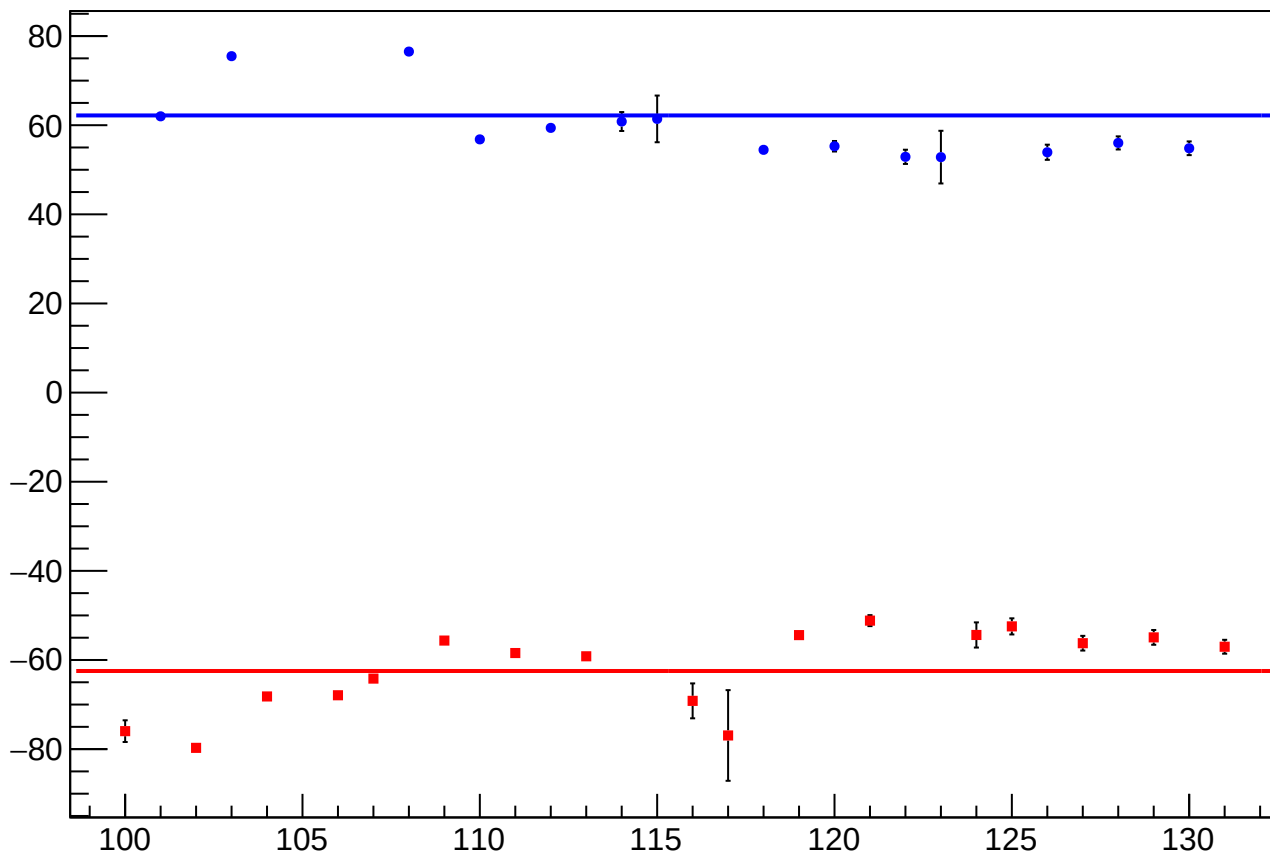
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.192 $\pm$ 0.469  $\chi^2$ /NDF: 77.6/13

0.325 $\pm$ 0.310  $\chi^2$ /NDF: 204.1/30

-0.344 $\pm$ 0.412  $\chi^2$ /NDF: 120.4/16

reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 62.191+/-0.288  $\chi^2$ /NDF: 718.5/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -62.469+/-0.280  $\chi^2$ /NDF: 783.1/16

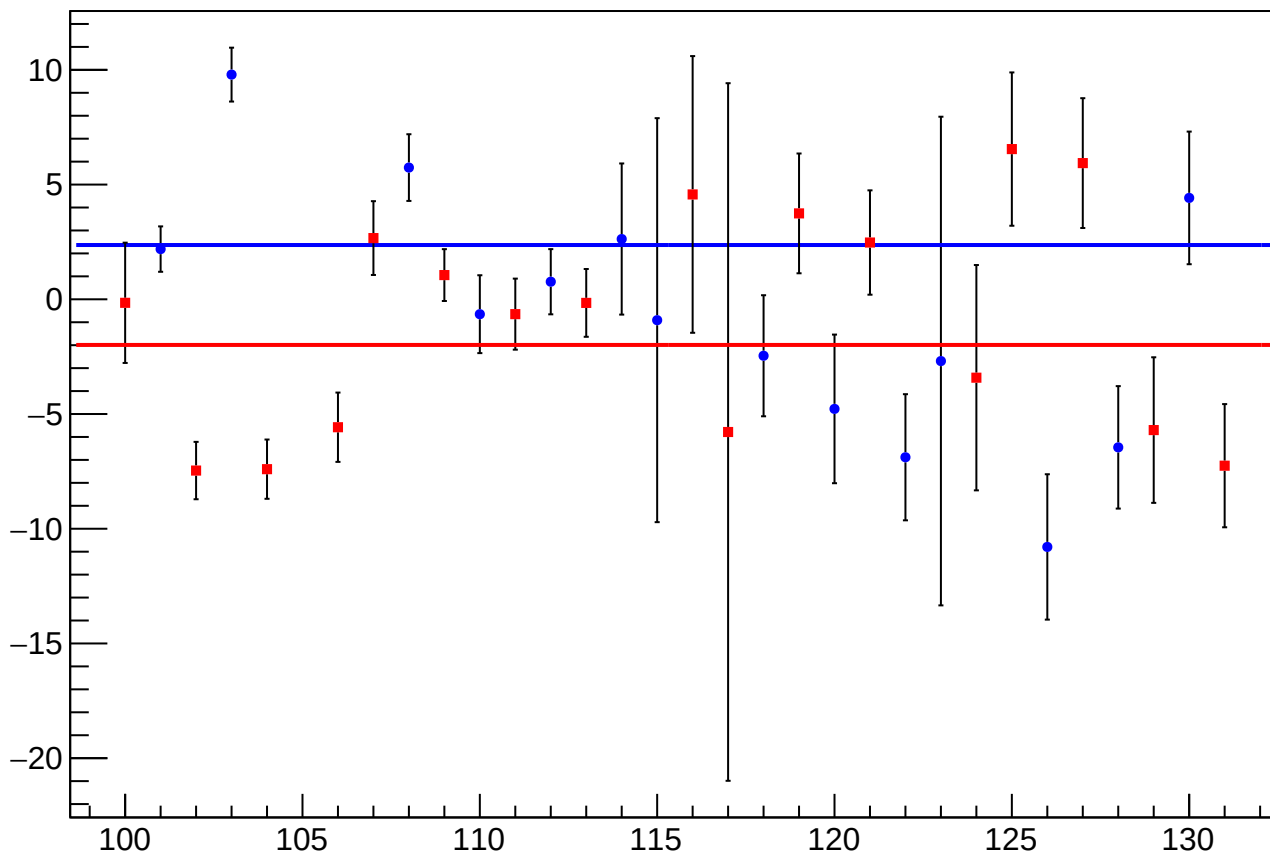
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

62.191+/-0.288  $\chi^2$ /NDF: 718.5/13

-1.812+/-0.201  $\chi^2$ /NDF: 97852.1/30

-62.469+/-0.280  $\chi^2$ /NDF: 783.1/16

reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.366 $\pm$ 0.506  $\chi^2$ /NDF: 98.4/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.989 $\pm$ 0.460  $\chi^2$ /NDF: 90.4/16

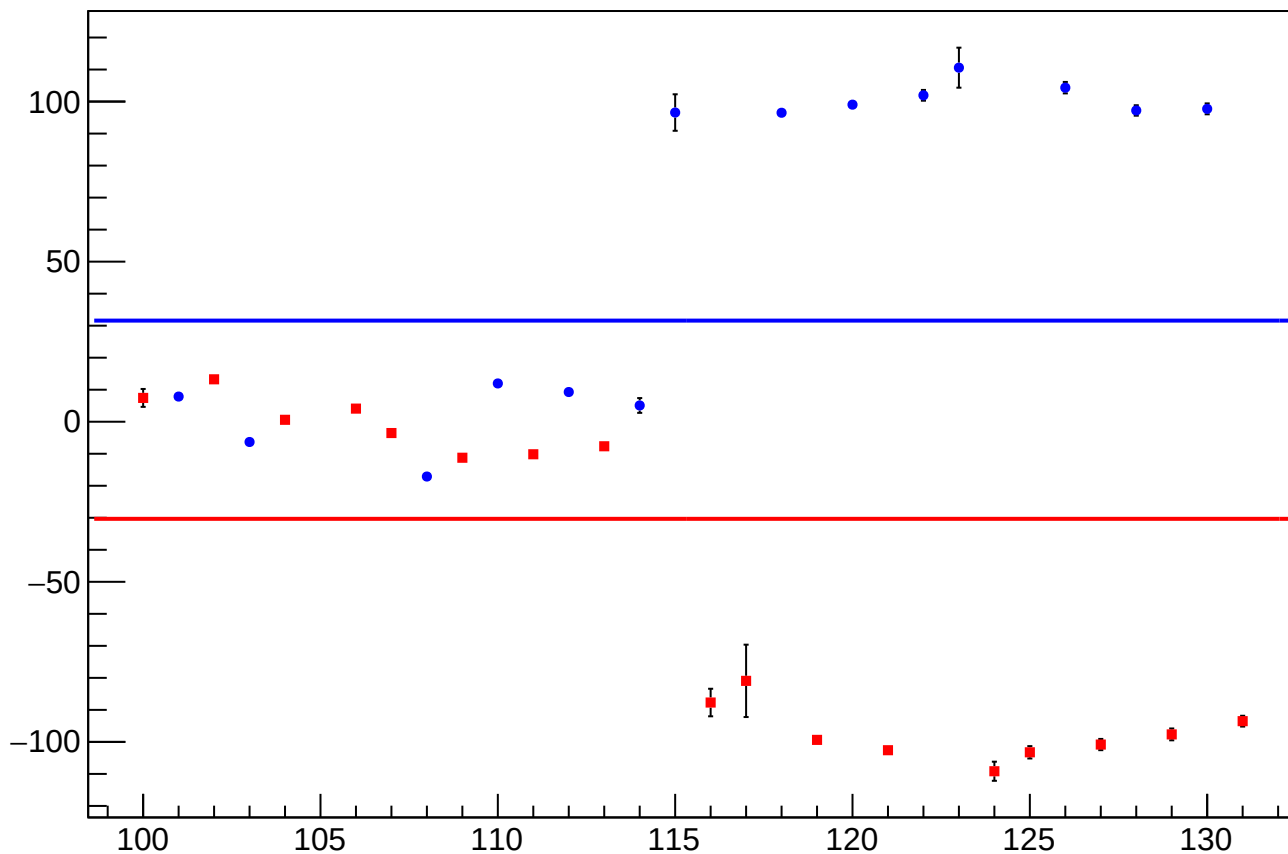
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2.366 $\pm$ 0.506  $\chi^2$ /NDF: 98.4/13

-0.020 $\pm$ 0.340  $\chi^2$ /NDF: 229.5/30

-1.989 $\pm$ 0.460  $\chi^2$ /NDF: 90.4/16

reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 31.585+/-0.341  $\chi^2/\text{NDF}$ : 17210.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -30.328+/-0.330  $\chi^2/\text{NDF}$ : 18372.7/16

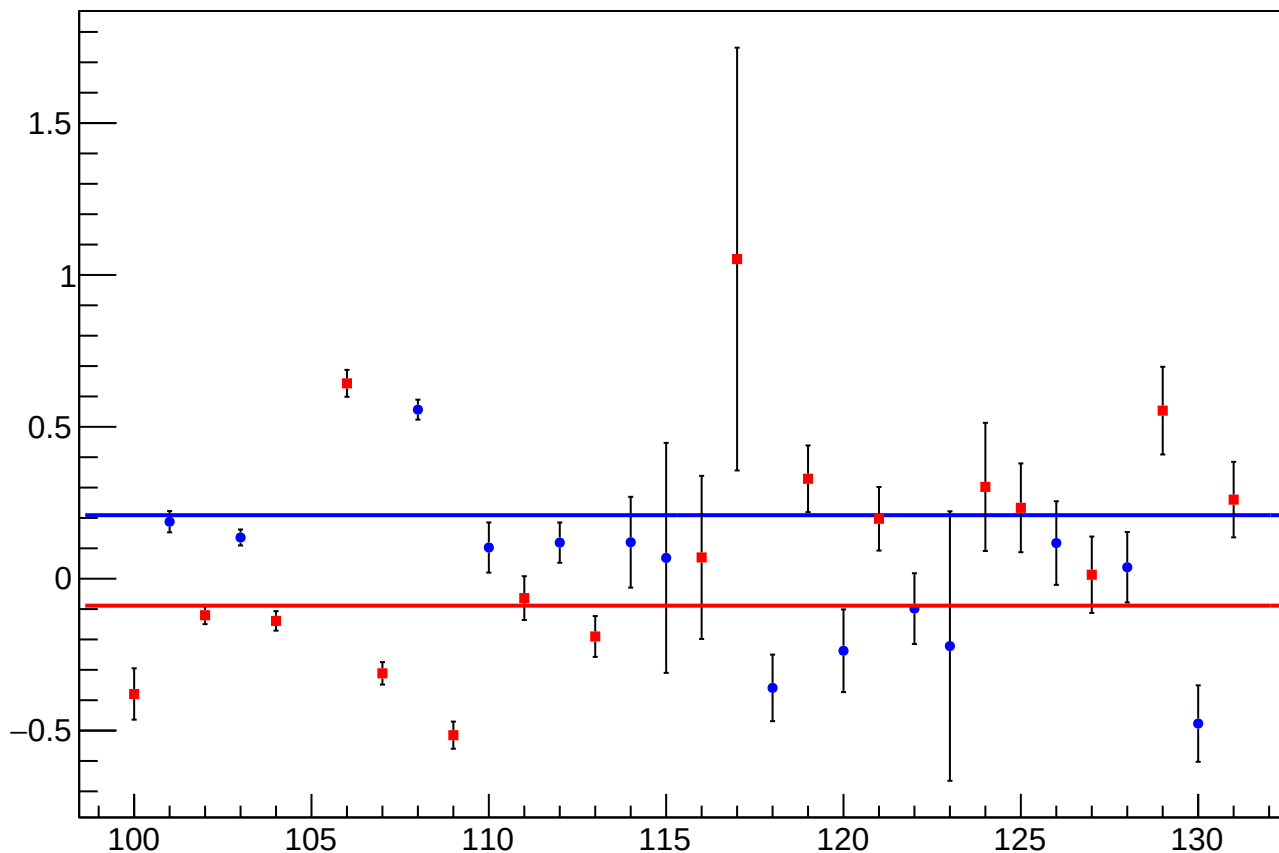
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

31.585+/-0.341  $\chi^2/\text{NDF}$ : 17210.6/13

-0.378+/-0.237  $\chi^2/\text{NDF}$ : 52630.6/30

-30.328+/-0.330  $\chi^2/\text{NDF}$ : 18372.7/16

reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.209 $\pm$ 0.016  $\chi^2$ /NDF: 201.9/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.089 $\pm$ 0.014  $\chi^2$ /NDF: 479.6/16

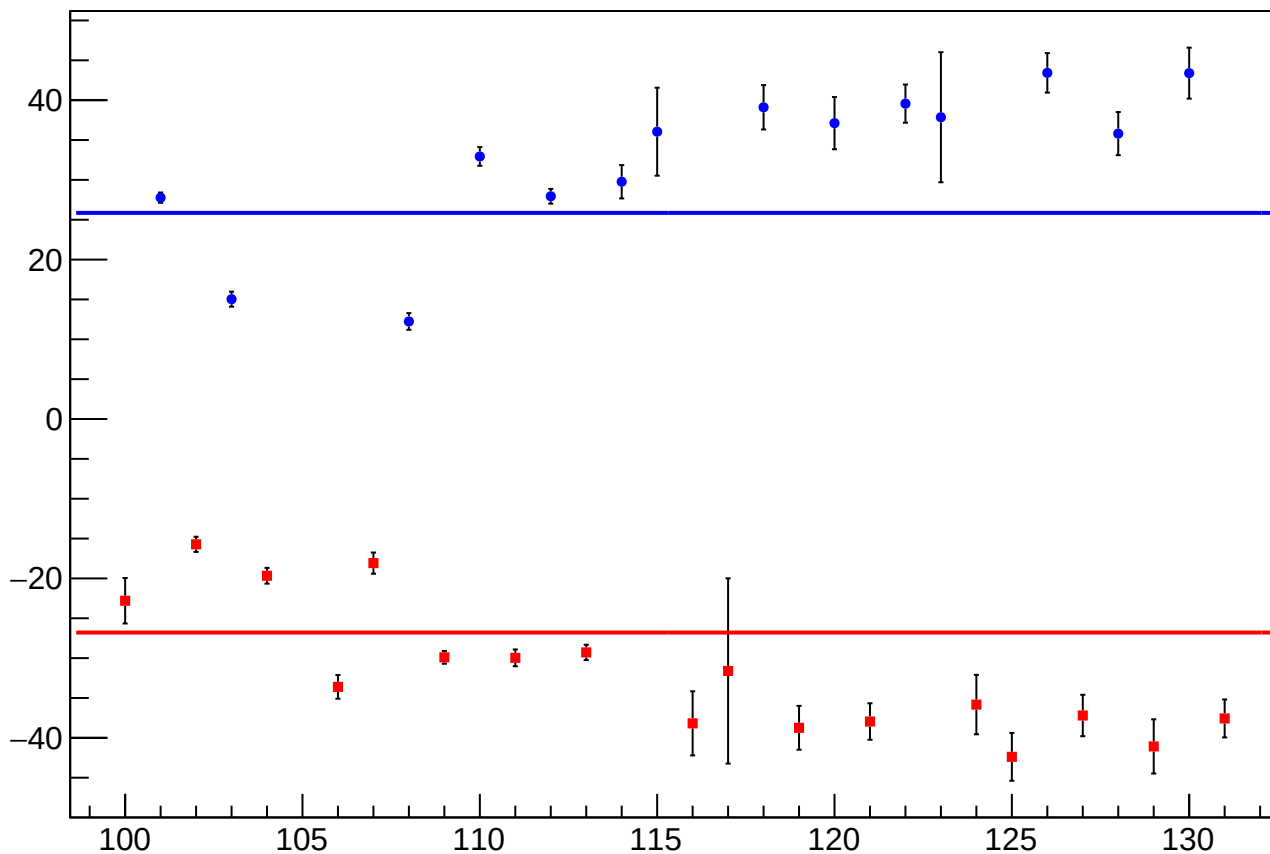
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.209 $\pm$ 0.016  $\chi^2$ /NDF: 201.9/13

0.046 $\pm$ 0.011  $\chi^2$ /NDF: 876.8/30

-0.089 $\pm$ 0.014  $\chi^2$ /NDF: 479.6/16

reg\_asym\_sam6\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 25.859+/-0.368  $\chi^2$ /NDF: 521.6/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -26.791+/-0.358  $\chi^2$ /NDF: 421.9/16

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

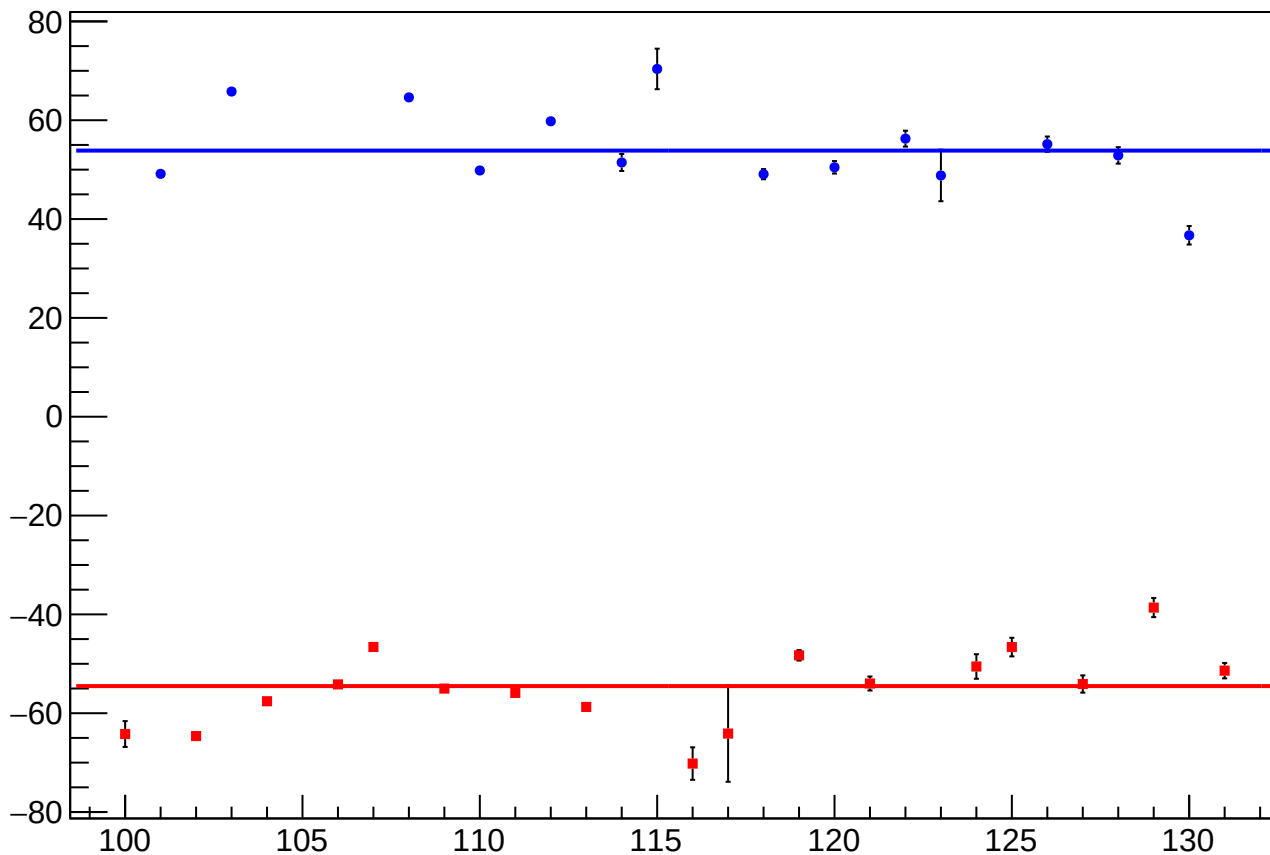
25.859+/-0.368  $\chi^2$ /NDF: 521.6/13

-1.130+/-0.257  $\chi^2$ /NDF: 11462.1/30

-26.791+/-0.358  $\chi^2$ /NDF: 421.9/16



reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 53.857+/-0.222  $\chi^2/\text{NDF}$ : 1005.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -54.513+/-0.240  $\chi^2/\text{NDF}$ : 657.2/16

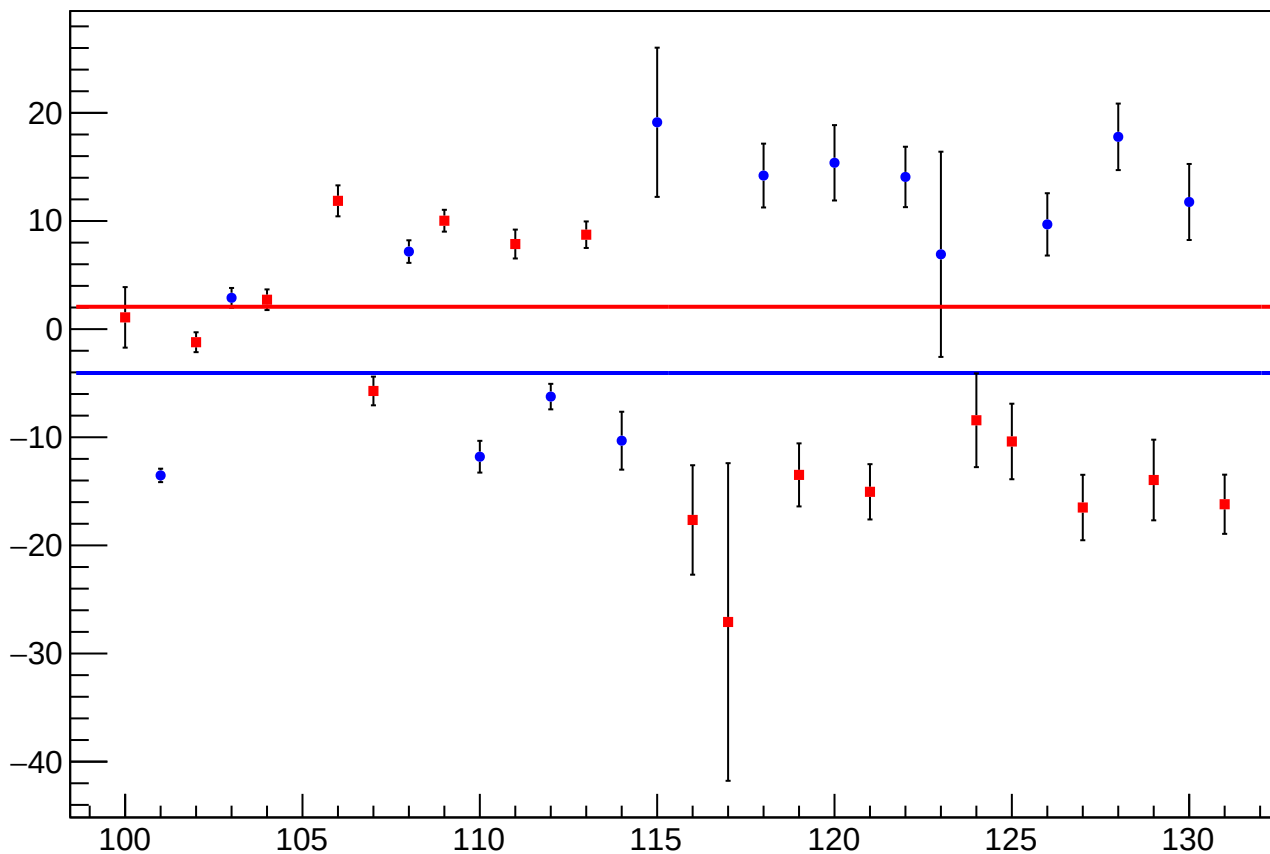
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

53.857+/-0.222  $\chi^2/\text{NDF}$ : 1005.8/13

3.966+/-0.163  $\chi^2/\text{NDF}$ : 111328.9/30

-54.513+/-0.240  $\chi^2/\text{NDF}$ : 657.2/16

reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -4.057+/-0.386  $\chi^2/\text{NDF}$ : 660.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.068+/-0.394  $\chi^2/\text{NDF}$ : 416.6/16

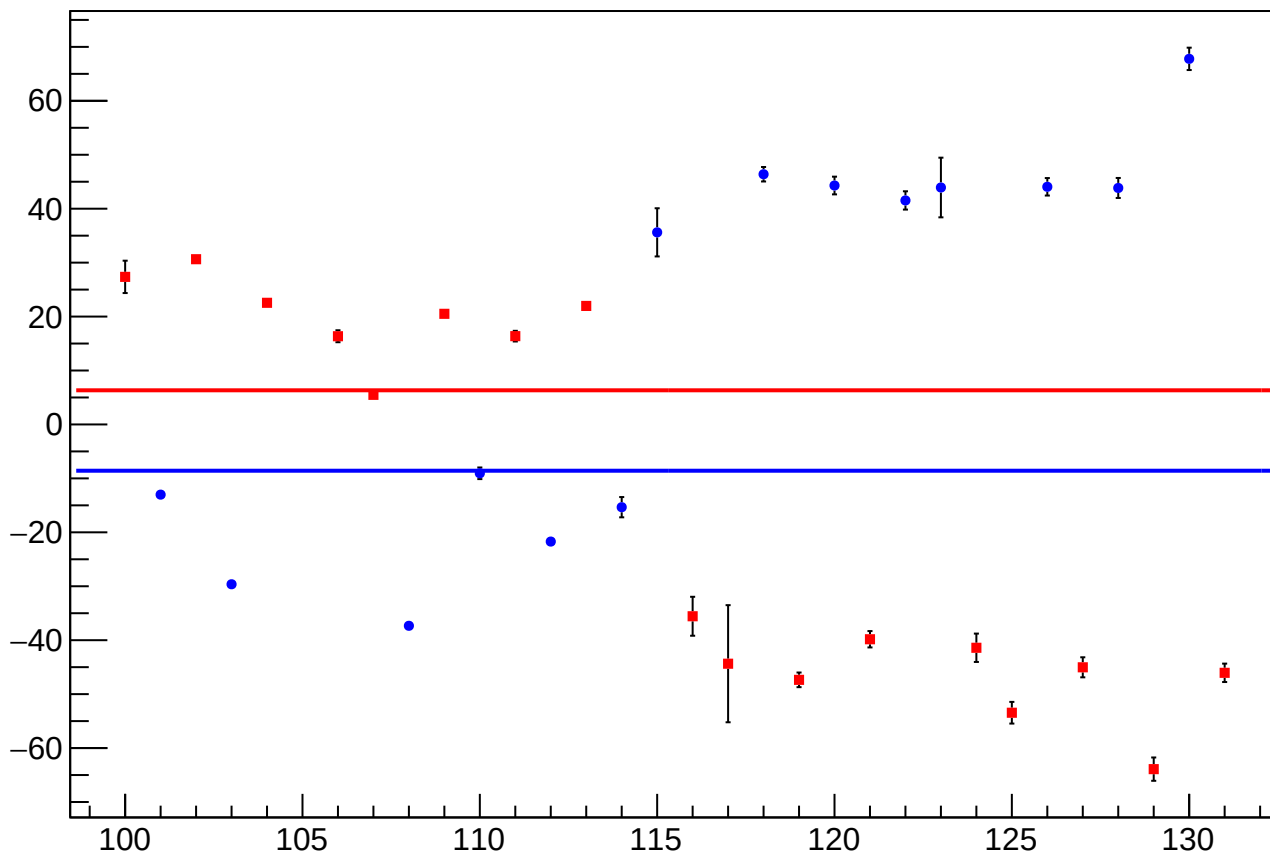
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.057+/-0.386  $\chi^2/\text{NDF}$ : 660.4/13

-1.056+/-0.276  $\chi^2/\text{NDF}$ : 1200.1/30

2.068+/-0.394  $\chi^2/\text{NDF}$ : 416.6/16

reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -8.580+/-0.265  $\chi^2/\text{NDF}$ : 9314.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.331+/-0.286  $\chi^2/\text{NDF}$ : 8783.4/16

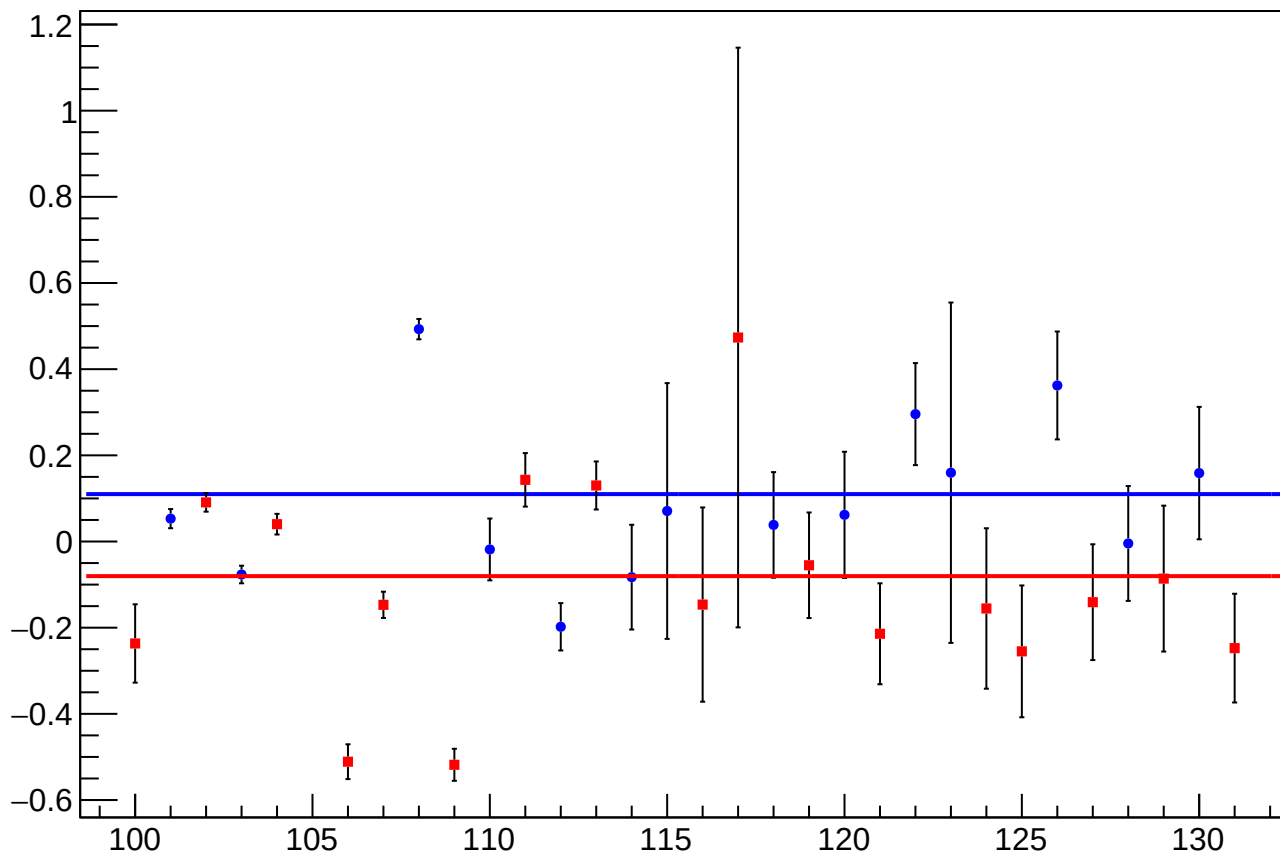
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-8.580+/-0.265  $\chi^2/\text{NDF}$ : 9314.2/13

-1.687+/-0.194  $\chi^2/\text{NDF}$ : 19562.8/30

6.331+/-0.286  $\chi^2/\text{NDF}$ : 8783.4/16

reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.110 $\pm$ 0.012  $\chi^2$ /NDF: 397.0/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.080 $\pm$ 0.012  $\chi^2$ /NDF: 381.3/16

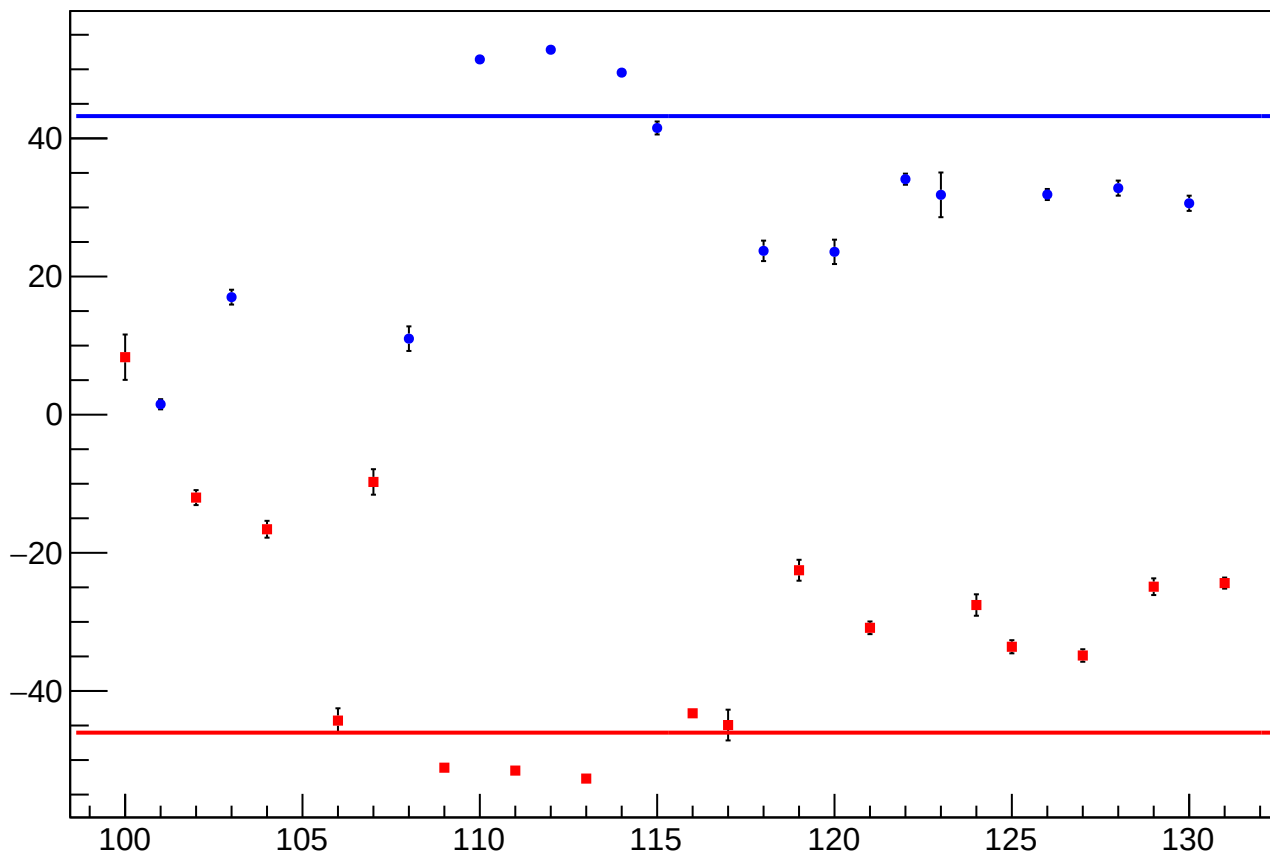
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

0.110 $\pm$ 0.012  $\chi^2$ /NDF: 397.0/13

0.013 $\pm$ 0.008  $\chi^2$ /NDF: 910.1/30

-0.080 $\pm$ 0.012  $\chi^2$ /NDF: 381.3/16

reg\_asym\_sam7\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 43.226+/-0.182  $\chi^2/\text{NDF}$ : 6586.3/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -46.033+/-0.152  $\chi^2/\text{NDF}$ : 5309.9/16

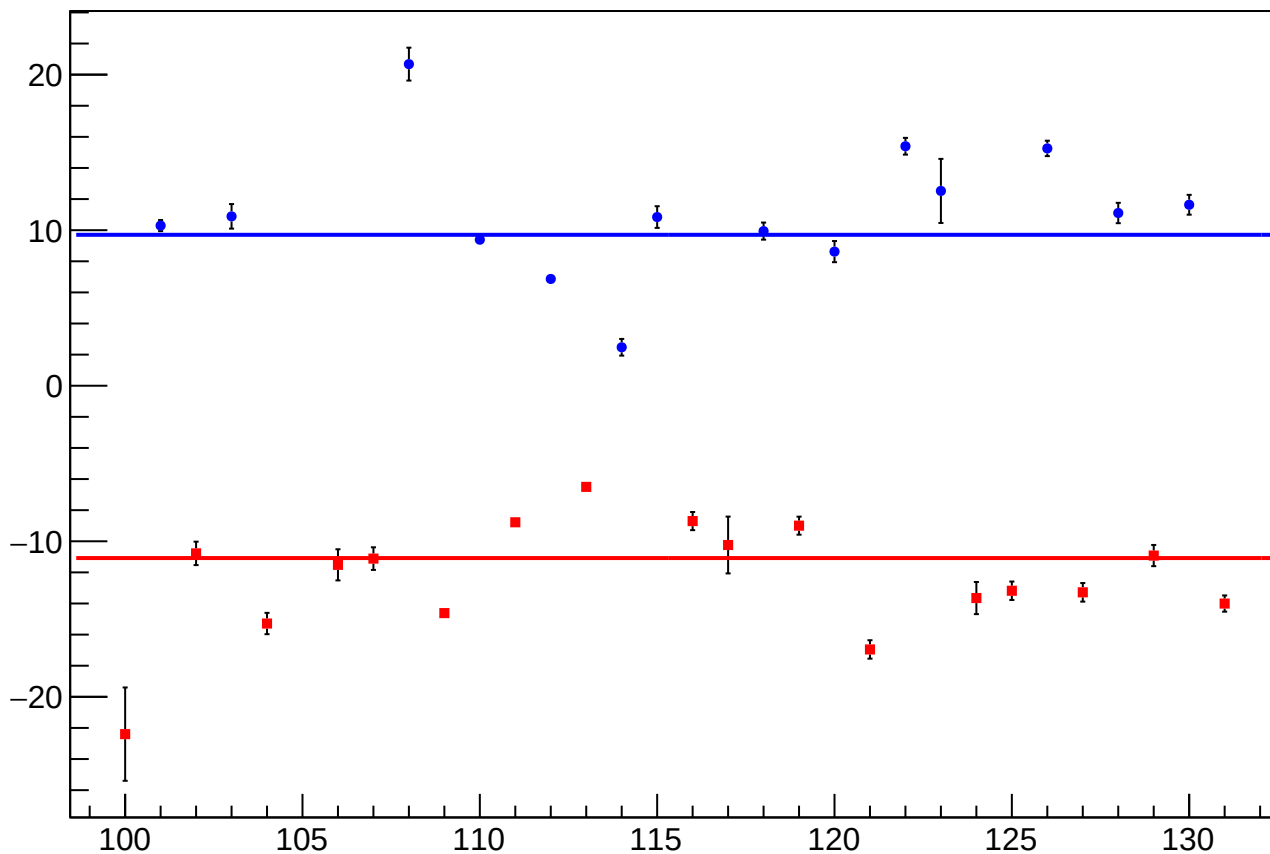
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

43.226+/-0.182  $\chi^2/\text{NDF}$ : 6586.3/13

-9.276+/-0.117  $\chi^2/\text{NDF}$ : 153613.8/30

-46.033+/-0.152  $\chi^2/\text{NDF}$ : 5309.9/16

reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.703+/-0.131  $\chi^2/\text{NDF}$ : 667.1/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -11.079+/-0.123  $\chi^2/\text{NDF}$ : 731.2/16

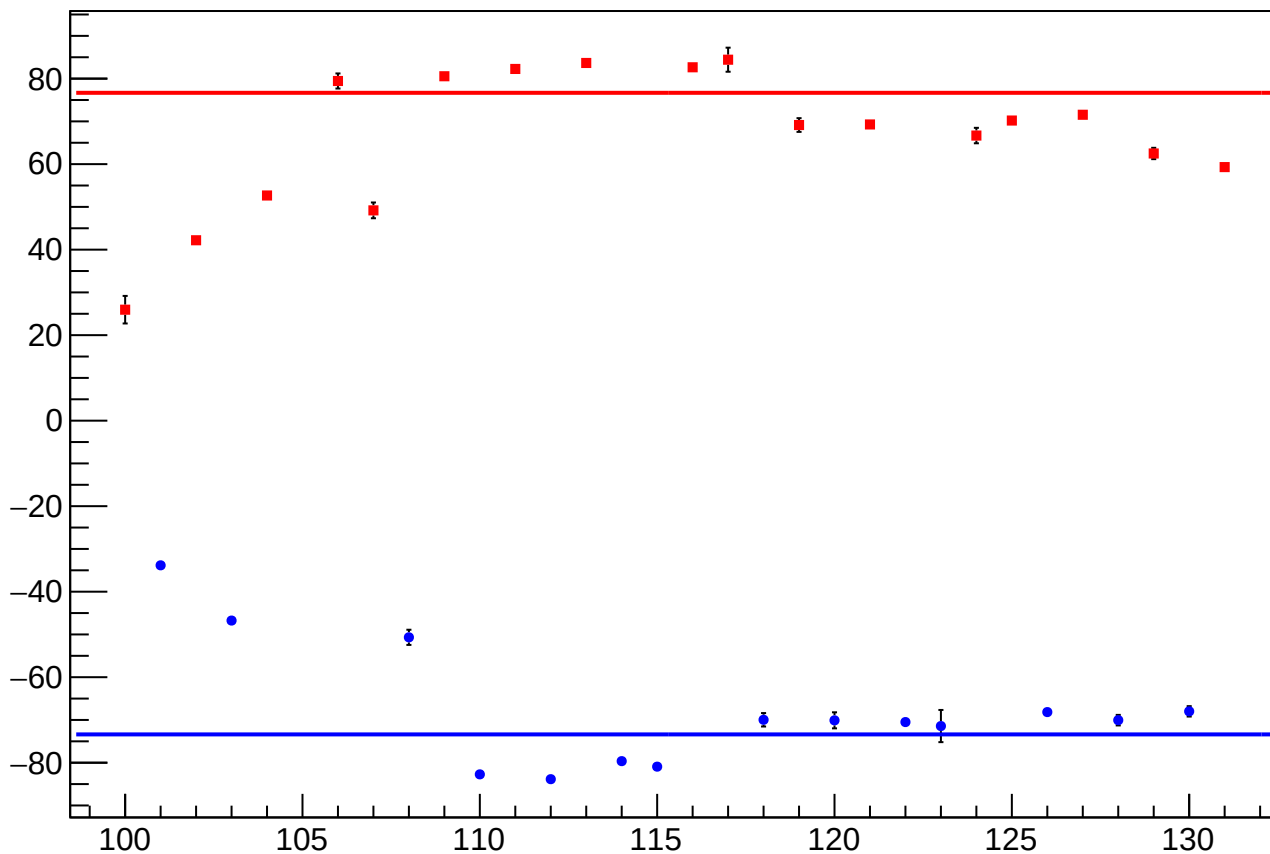
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

9.703+/-0.131  $\chi^2/\text{NDF}$ : 667.1/13

-1.353+/-0.090  $\chi^2/\text{NDF}$ : 14691.2/30

-11.079+/-0.123  $\chi^2/\text{NDF}$ : 731.2/16

reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-73.380 \pm 0.218$   $\chi^2/\text{NDF}: 5239.8/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $76.682 \pm 0.188$   $\chi^2/\text{NDF}: 3240.5/16$

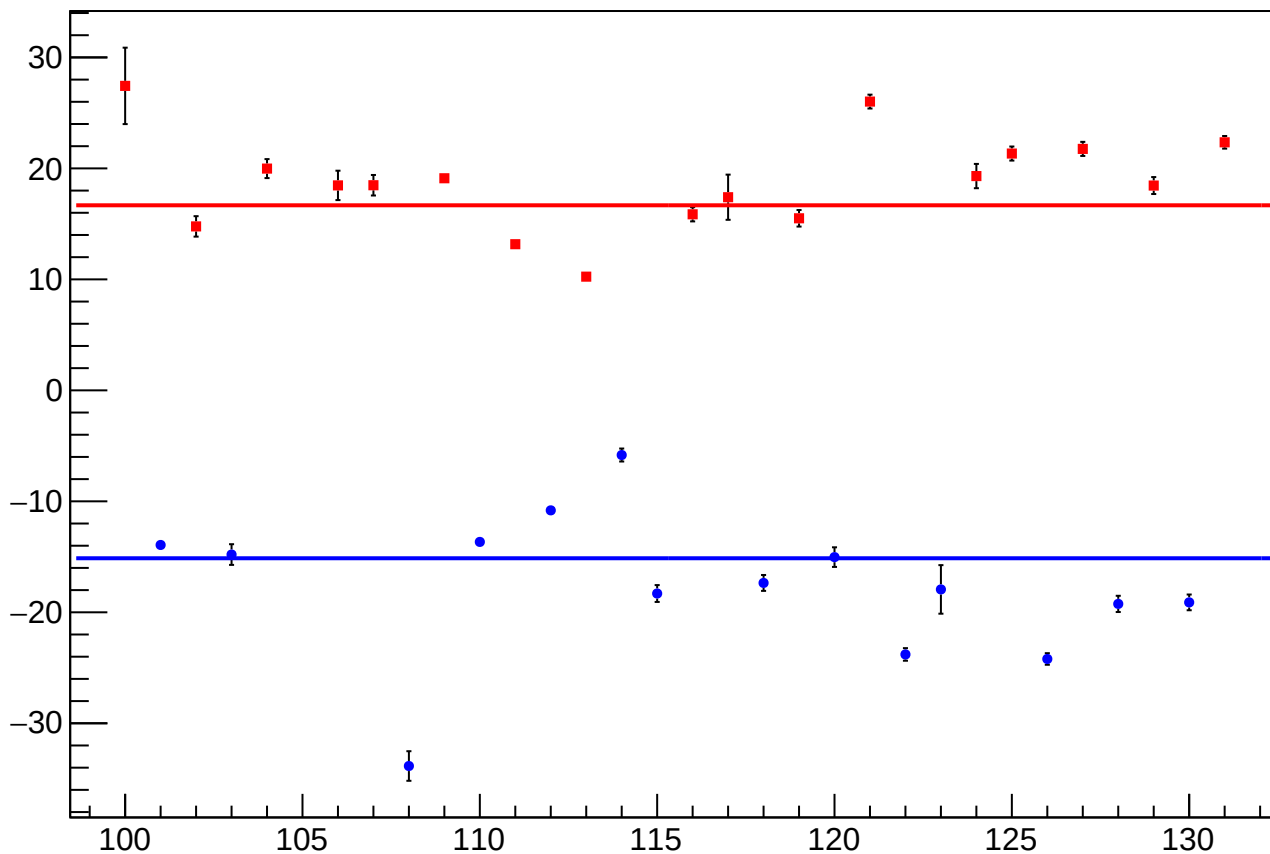
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-73.380 \pm 0.218$   $\chi^2/\text{NDF}: 5239.8/13$

$12.622 \pm 0.142$   $\chi^2/\text{NDF}: 280694.9/30$

$76.682 \pm 0.188$   $\chi^2/\text{NDF}: 3240.5/16$

reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-15.130 \pm 0.148$   $\chi^2/\text{NDF}$ : 1322.7/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $16.675 \pm 0.136$   $\chi^2/\text{NDF}$ : 1113.0/16

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

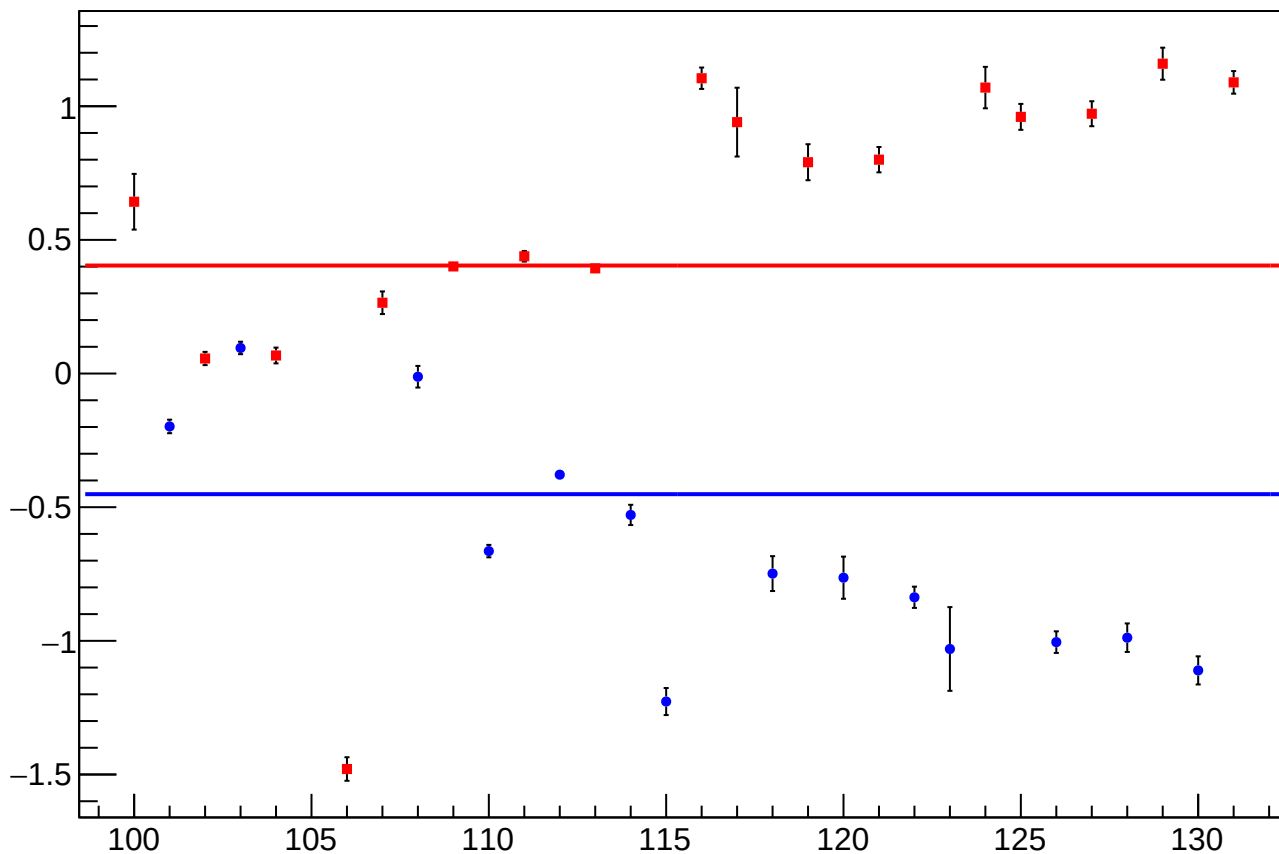
$-15.130 \pm 0.148$   $\chi^2/\text{NDF}$ : 1322.7/13

$2.110 \pm 0.100$   $\chi^2/\text{NDF}$ : 27475.6/30

$16.675 \pm 0.136$   $\chi^2/\text{NDF}$ : 1113.0/16



reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.451+/-0.009  $\chi^2/\text{NDF}$ : 1698.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.404+/-0.008  $\chi^2/\text{NDF}$ : 3374.2/16

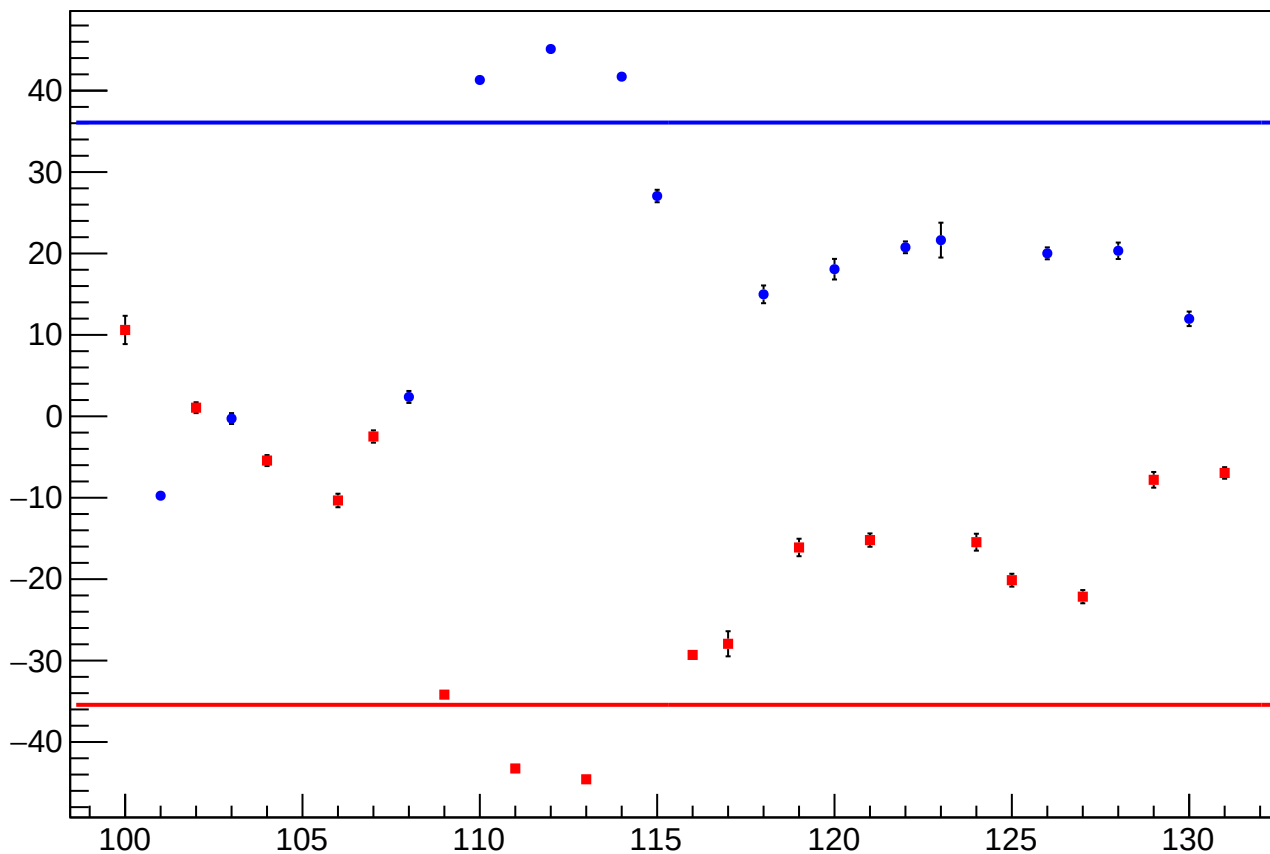
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.451+/-0.009  $\chi^2/\text{NDF}$ : 1698.8/13

0.030+/-0.006  $\chi^2/\text{NDF}$ : 10234.5/30

0.404+/-0.008  $\chi^2/\text{NDF}$ : 3374.2/16

reg\_asym\_sam8\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 36.080+/-0.109  $\chi^2/\text{NDF}$ : 20620.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -35.433+/-0.088  $\chi^2/\text{NDF}$ : 17607.9/16

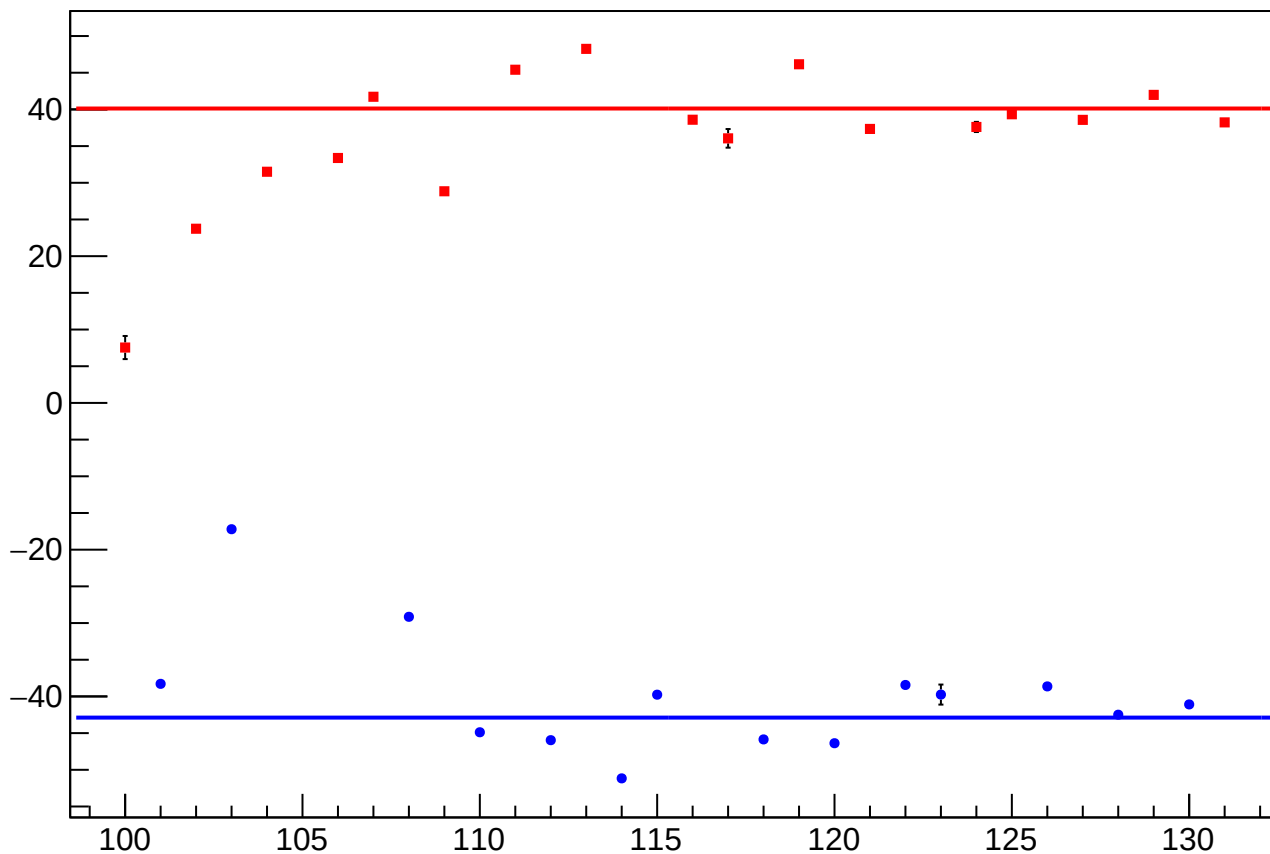
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

36.080+/-0.109  $\chi^2/\text{NDF}$ : 20620.2/13

-7.178+/-0.068  $\chi^2/\text{NDF}$ : 300001.0/30

-35.433+/-0.088  $\chi^2/\text{NDF}$ : 17607.9/16

reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -42.885+/-0.083  $\chi^2/\text{NDF}$ : 5524.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.122+/-0.075  $\chi^2/\text{NDF}$ : 10799.8/16

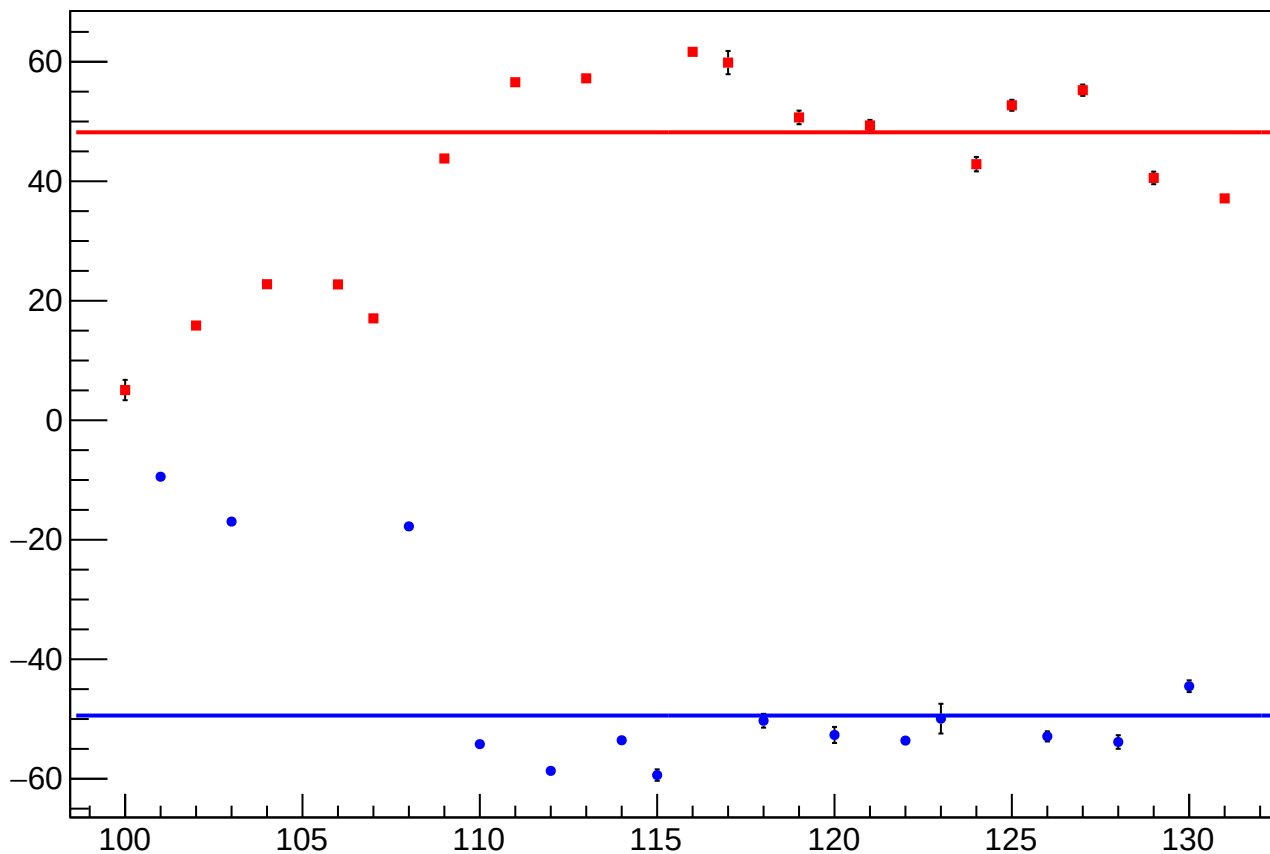
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-42.885+/-0.083  $\chi^2/\text{NDF}$ : 5524.5/13

2.550+/-0.056  $\chi^2/\text{NDF}$ : 567377.1/30

40.122+/-0.075  $\chi^2/\text{NDF}$ : 10799.8/16

reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -49.418+/-0.132  $\chi^2/\text{NDF}$ : 14348.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 48.194+/-0.109  $\chi^2/\text{NDF}$ : 11570.3/16

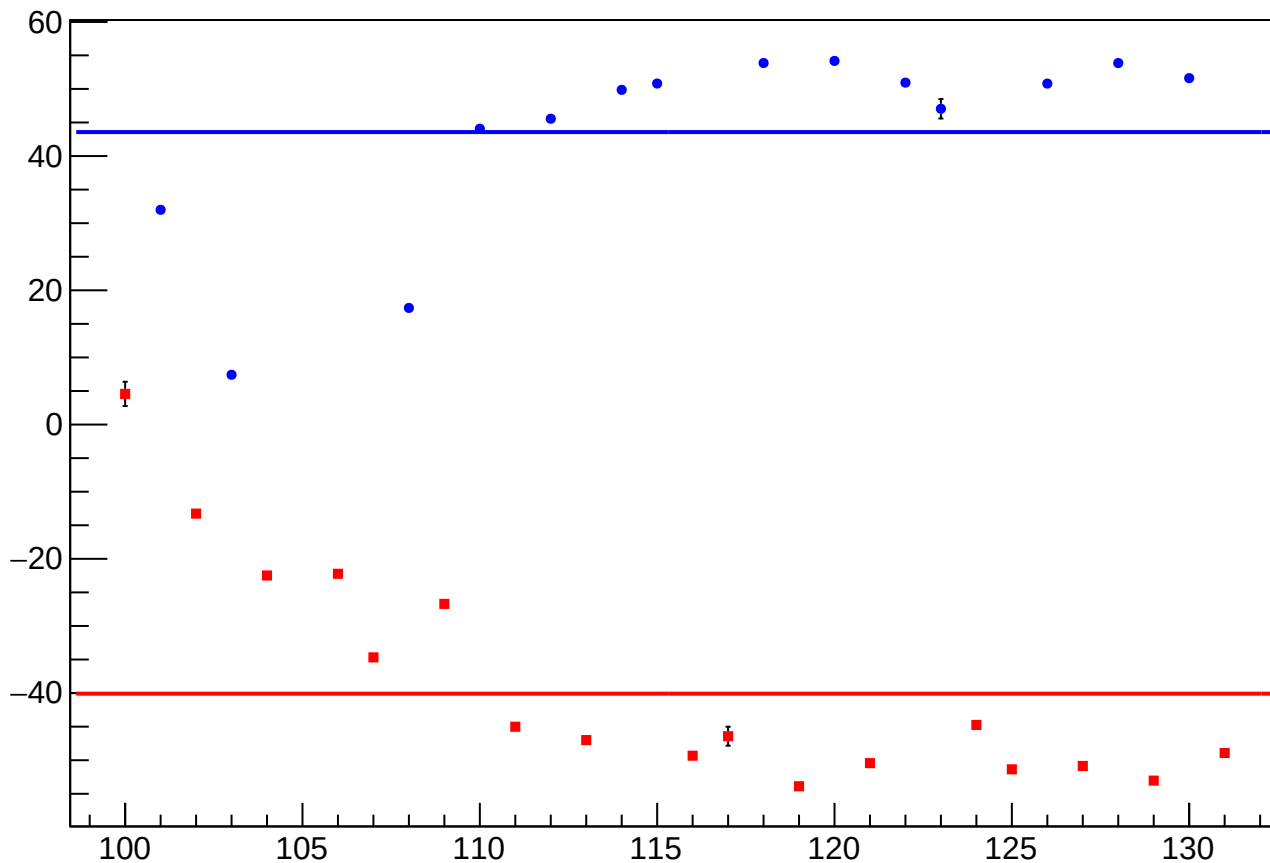
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-49.418+/-0.132  $\chi^2/\text{NDF}$ : 14348.0/13

8.307+/-0.084  $\chi^2/\text{NDF}$ : 350945.6/30

48.194+/-0.109  $\chi^2/\text{NDF}$ : 11570.3/16

reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 43.571+/-0.093  $\chi^2/\text{NDF}$ : 9781.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -40.086+/-0.083  $\chi^2/\text{NDF}$ : 16352.3/16

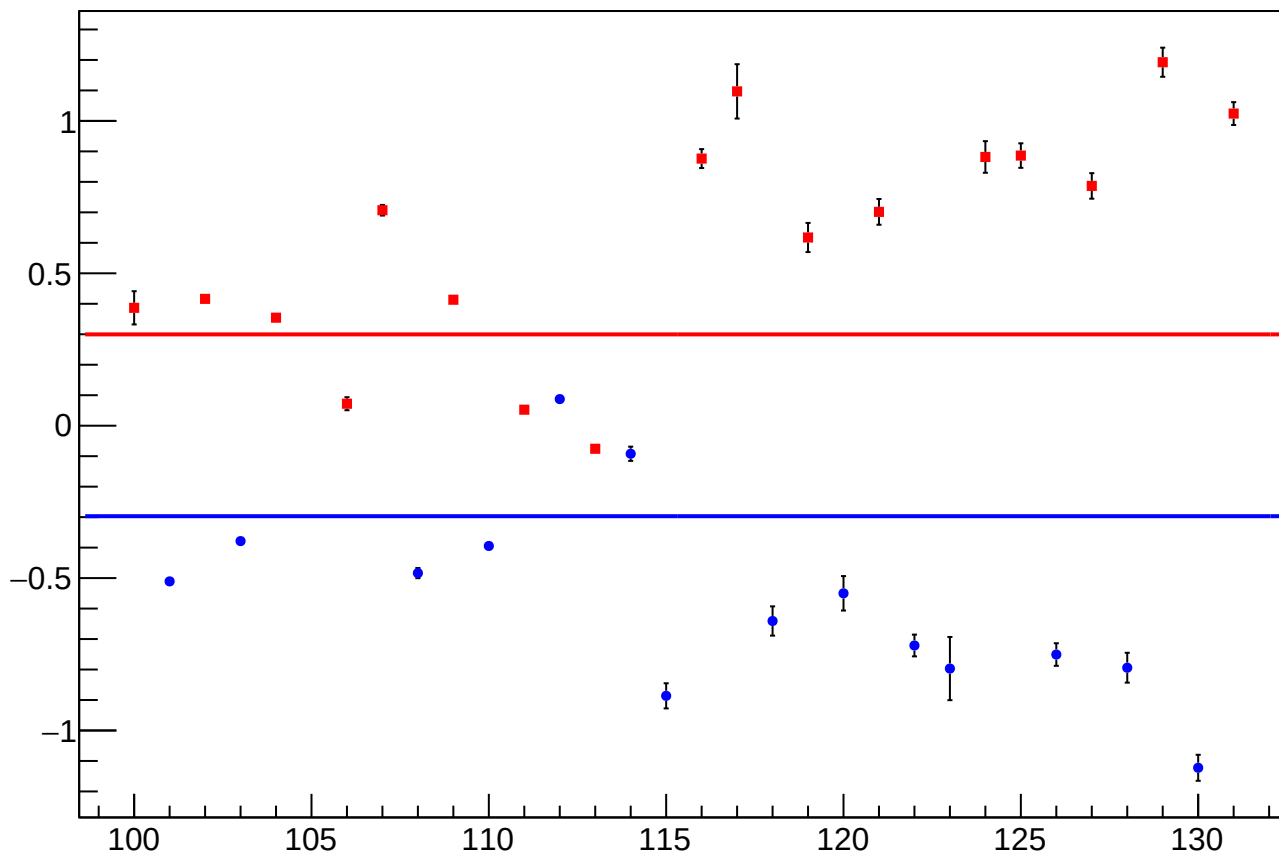
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

43.571+/-0.093  $\chi^2/\text{NDF}$ : 9781.2/13

-2.975+/-0.062  $\chi^2/\text{NDF}$ : 476319.6/30

-40.086+/-0.083  $\chi^2/\text{NDF}$ : 16352.3/16

reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.297 $\pm$ 0.005  $\chi^2$ /NDF: 3082.5/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.300 $\pm$ 0.005  $\chi^2$ /NDF: 4476.9/16

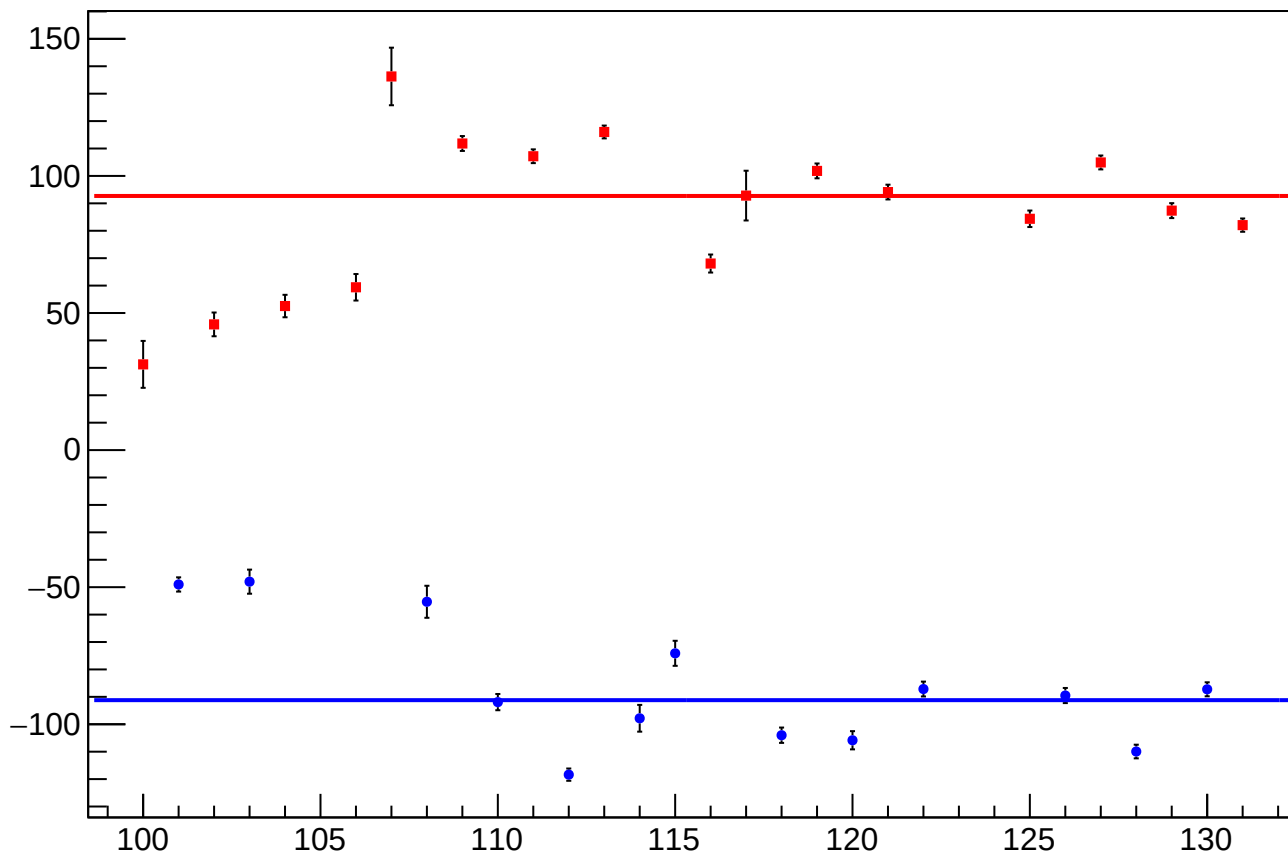
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.297 $\pm$ 0.005  $\chi^2$ /NDF: 3082.5/13

0.051 $\pm$ 0.003  $\chi^2$ /NDF: 14762.9/30

0.300 $\pm$ 0.005  $\chi^2$ /NDF: 4476.9/16

reg\_asym\_usl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-91.207 \pm 0.836$   $\chi^2/\text{NDF}$ : 662.6/12

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $92.693 \pm 0.789$   $\chi^2/\text{NDF}$ : 633.6/15

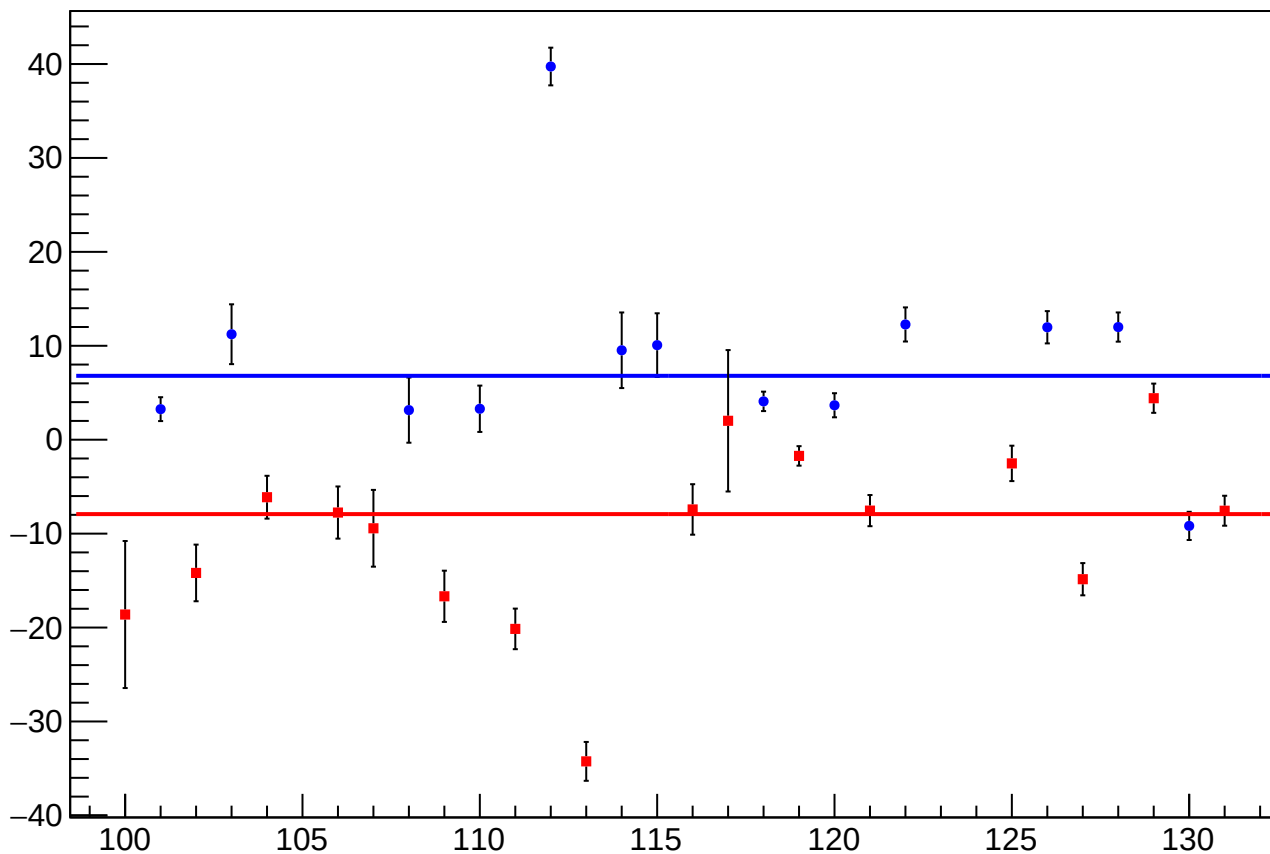
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-91.207 \pm 0.836$   $\chi^2/\text{NDF}$ : 662.6/12

$5.992 \pm 0.574$   $\chi^2/\text{NDF}$ : 26892.3/28

$92.693 \pm 0.789$   $\chi^2/\text{NDF}$ : 633.6/15

reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.802+/-0.476  $\chi^2/\text{NDF}$ : 439.2/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.921+/-0.502  $\chi^2/\text{NDF}$ : 336.0/15

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

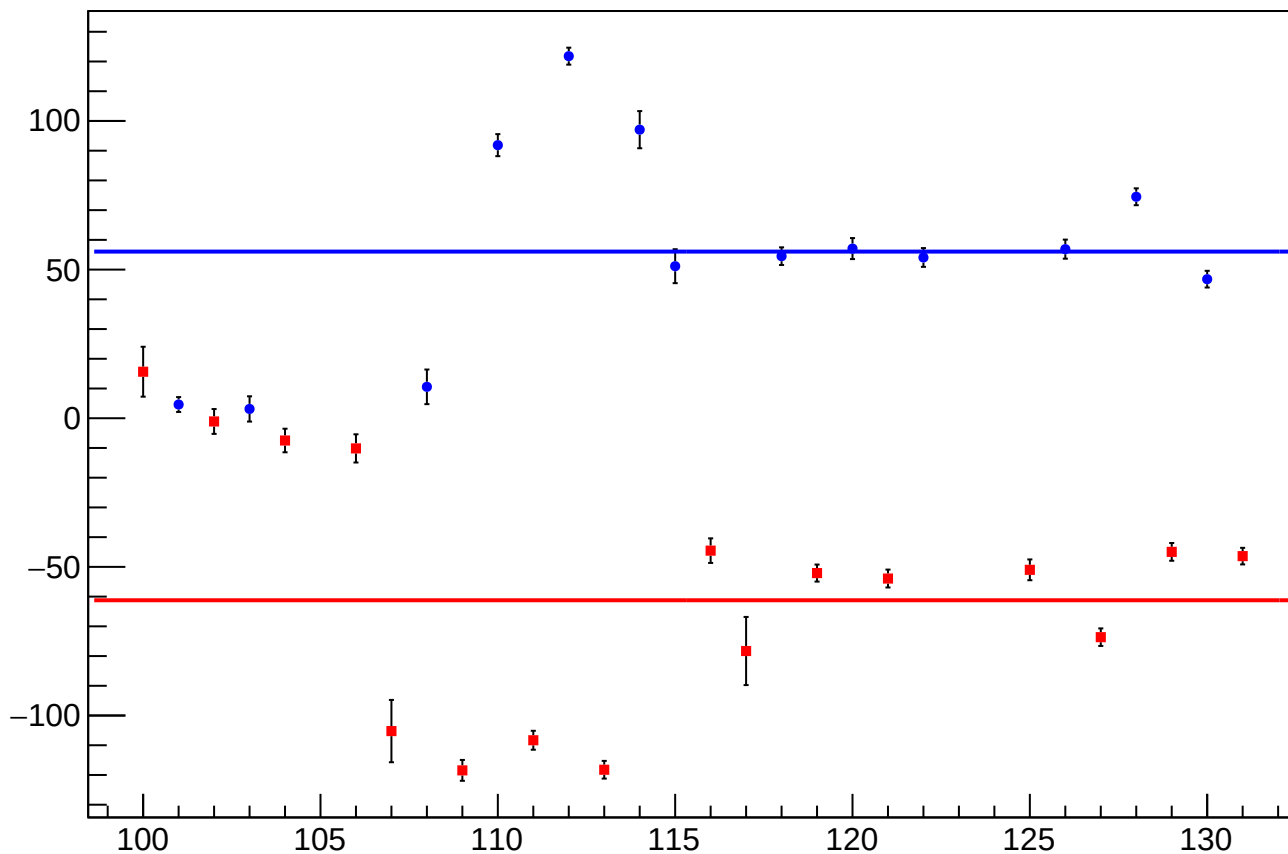
6.802+/-0.476  $\chi^2/\text{NDF}$ : 439.2/12

-0.173+/-0.346  $\chi^2/\text{NDF}$ : 1227.6/28

-7.921+/-0.502  $\chi^2/\text{NDF}$ : 336.0/15



# reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 56.058+/-0.937  $\chi^2$ /NDF: 1359.4/12

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -61.231+/-0.906  $\chi^2$ /NDF: 1579.2/15

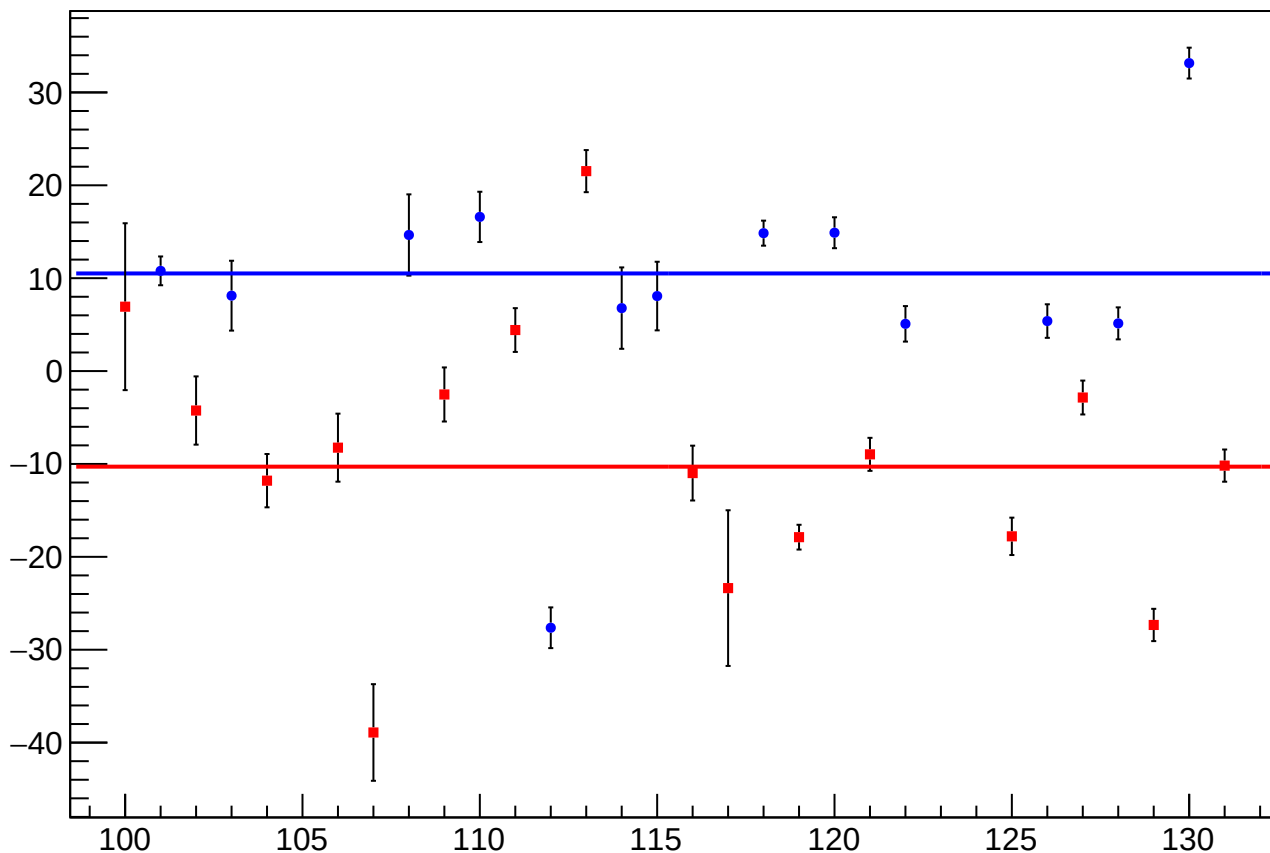
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

56.058+/-0.937  $\chi^2$ /NDF: 1359.4/12

-4.556+/-0.652  $\chi^2$ /NDF: 11028.8/28

-61.231+/-0.906  $\chi^2$ /NDF: 1579.2/15

# reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 10.510+/-0.559  $\chi^2$ /NDF: 539.2/12

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -10.292+/-0.574  $\chi^2$ /NDF: 442.6/15

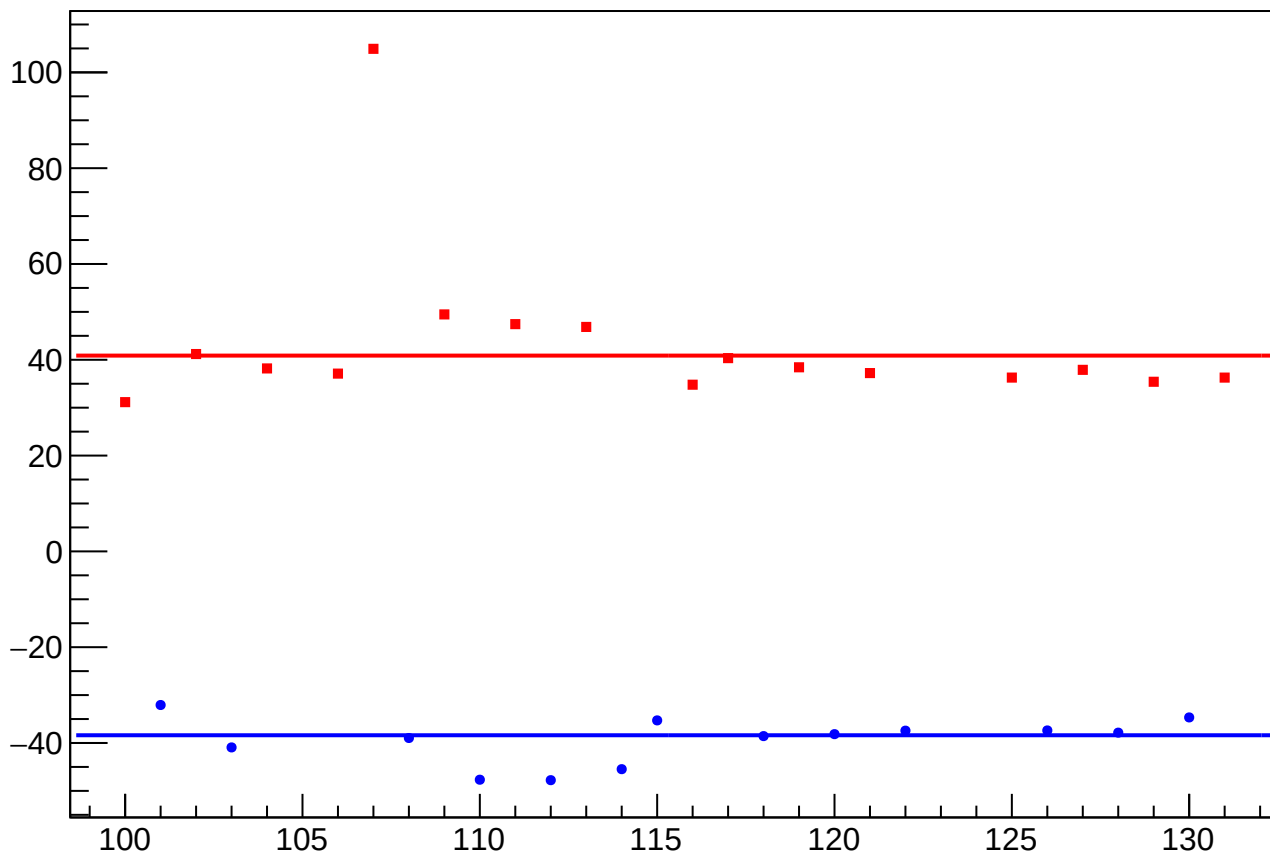
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

10.510+/-0.559  $\chi^2$ /NDF: 539.2/12

0.391+/-0.401  $\chi^2$ /NDF: 1655.4/28

-10.292+/-0.574  $\chi^2$ /NDF: 442.6/15

reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.386+/-0.036  $\chi^2/\text{NDF}$ : 15077.8/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.874+/-0.035  $\chi^2/\text{NDF}$ : 87148.3/15

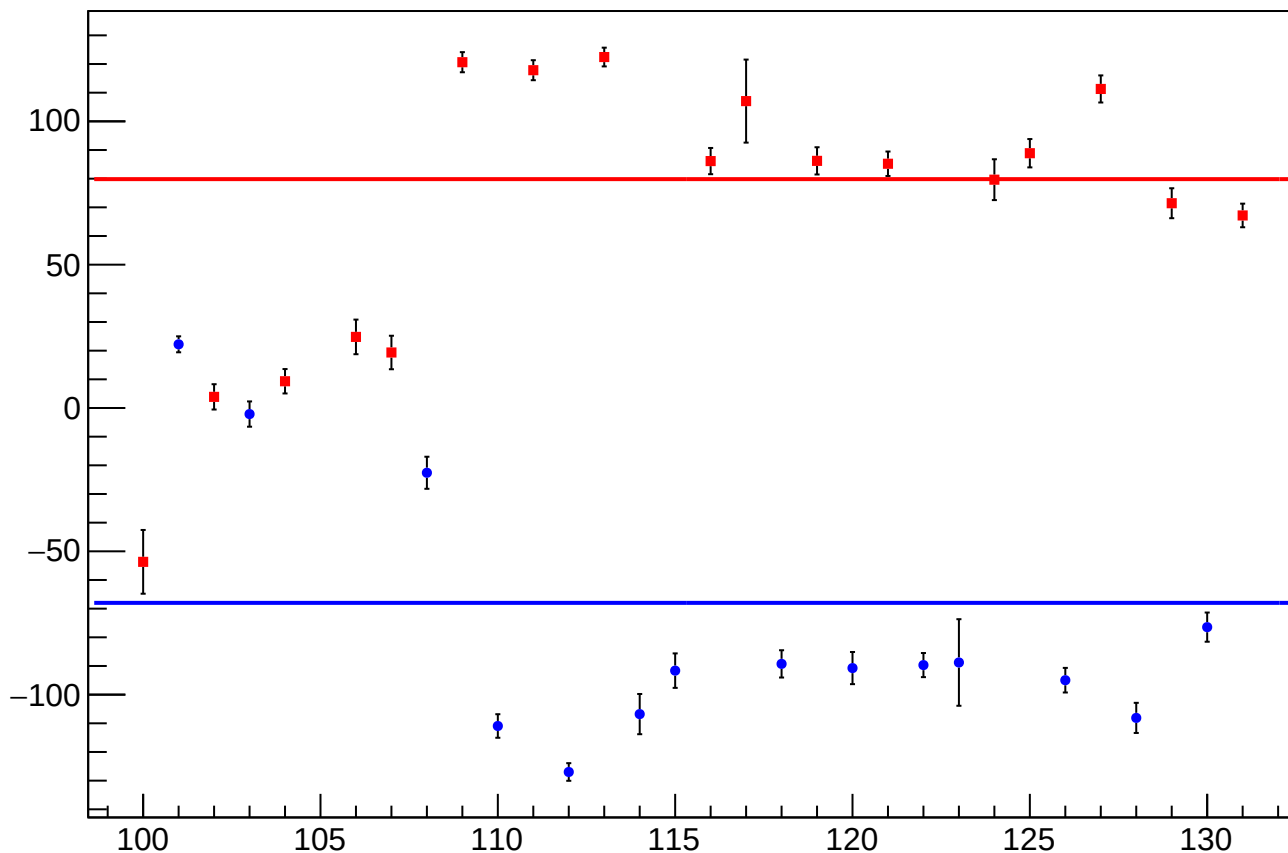
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-38.386+/-0.036  $\chi^2/\text{NDF}$ : 15077.8/12

2.613+/-0.025  $\chi^2/\text{NDF}$ : 2560498.6/28

40.874+/-0.035  $\chi^2/\text{NDF}$ : 87148.3/15

reg\_asym\_usr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -67.980+/-1.203  $\chi^2/\text{NDF}$ : 2024.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 79.841+/-1.132  $\chi^2/\text{NDF}$ : 1396.7/16

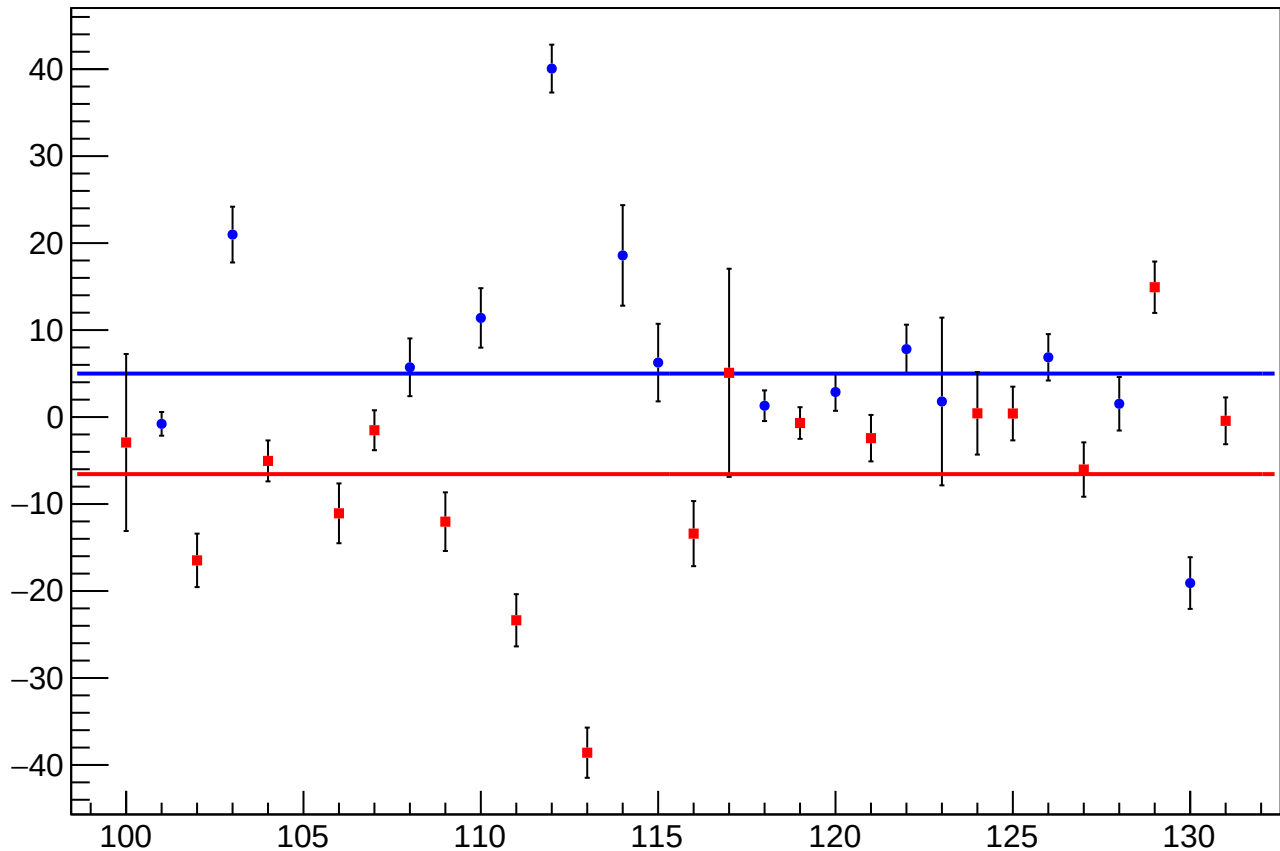
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-67.980+/-1.203  $\chi^2/\text{NDF}$ : 2024.8/13

10.460+/-0.824  $\chi^2/\text{NDF}$ : 11432.0/30

79.841+/-1.132  $\chi^2/\text{NDF}$ : 1396.7/16

reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $4.998 \pm 0.697$   $\chi^2/\text{NDF}$ : 288.3/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-6.561 \pm 0.723$   $\chi^2/\text{NDF}$ : 257.1/16

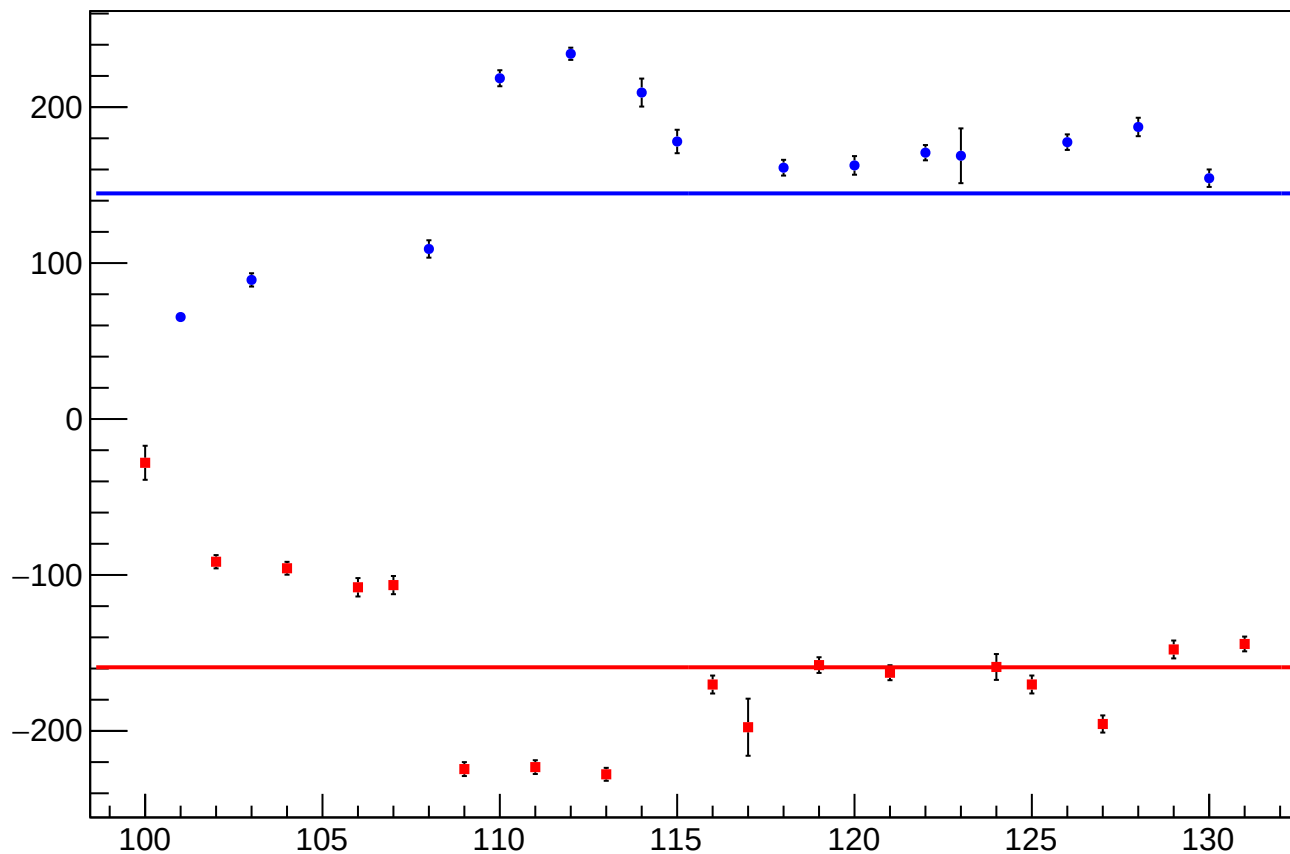
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$4.998 \pm 0.697$   $\chi^2/\text{NDF}$ : 288.3/13

$-0.574 \pm 0.502$   $\chi^2/\text{NDF}$ : 677.9/30

$-6.561 \pm 0.723$   $\chi^2/\text{NDF}$ : 257.1/16

# reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 144.680+/-1.323  $\chi^2/\text{NDF}$ : 2030.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -159.195+/-1.282  $\chi^2/\text{NDF}$ : 1557.5/16

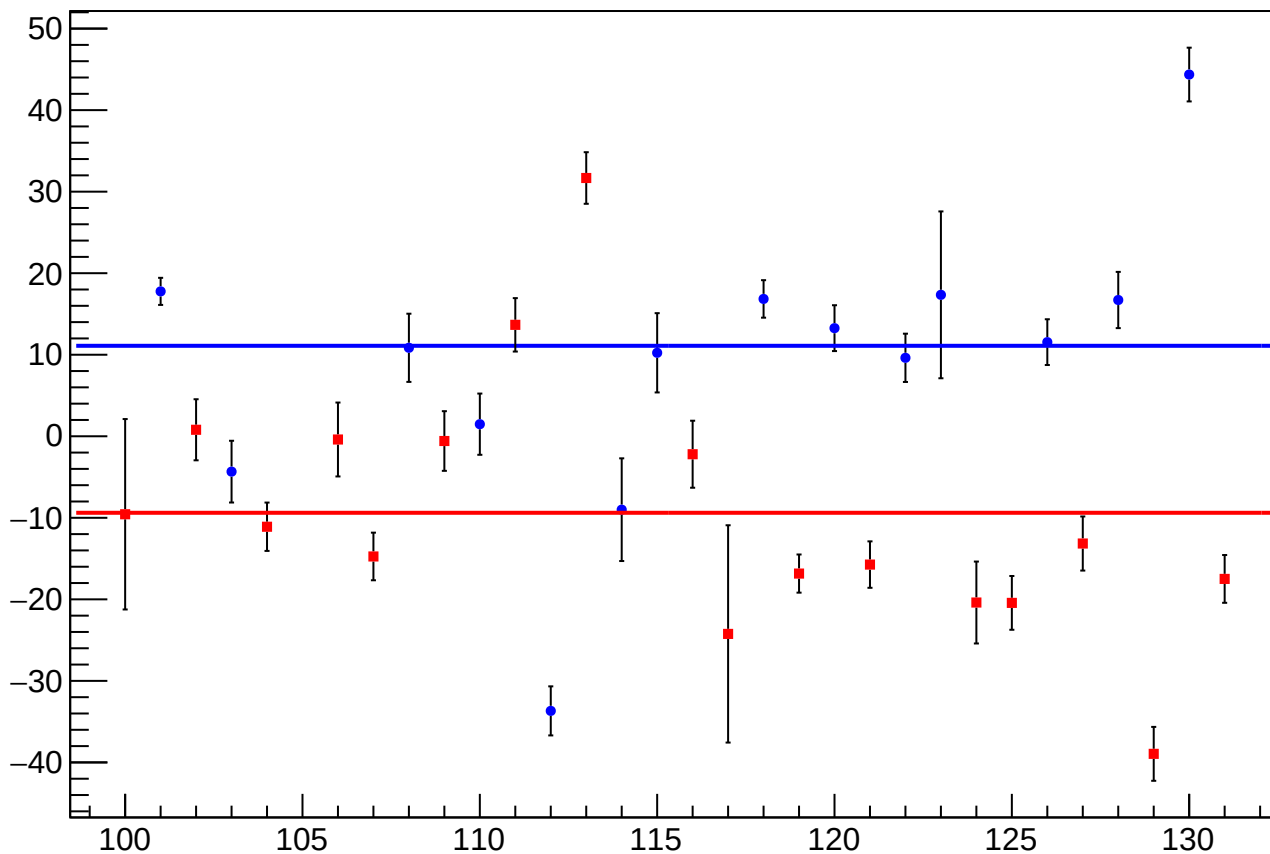
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

144.680+/-1.323  $\chi^2/\text{NDF}$ : 2030.2/13

-12.029+/-0.920  $\chi^2/\text{NDF}$ : 30811.7/30

-159.195+/-1.282  $\chi^2/\text{NDF}$ : 1557.5/16

reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 11.096+/-0.822  $\chi^2/\text{NDF}$ : 383.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.384+/-0.837  $\chi^2/\text{NDF}$ : 363.2/16

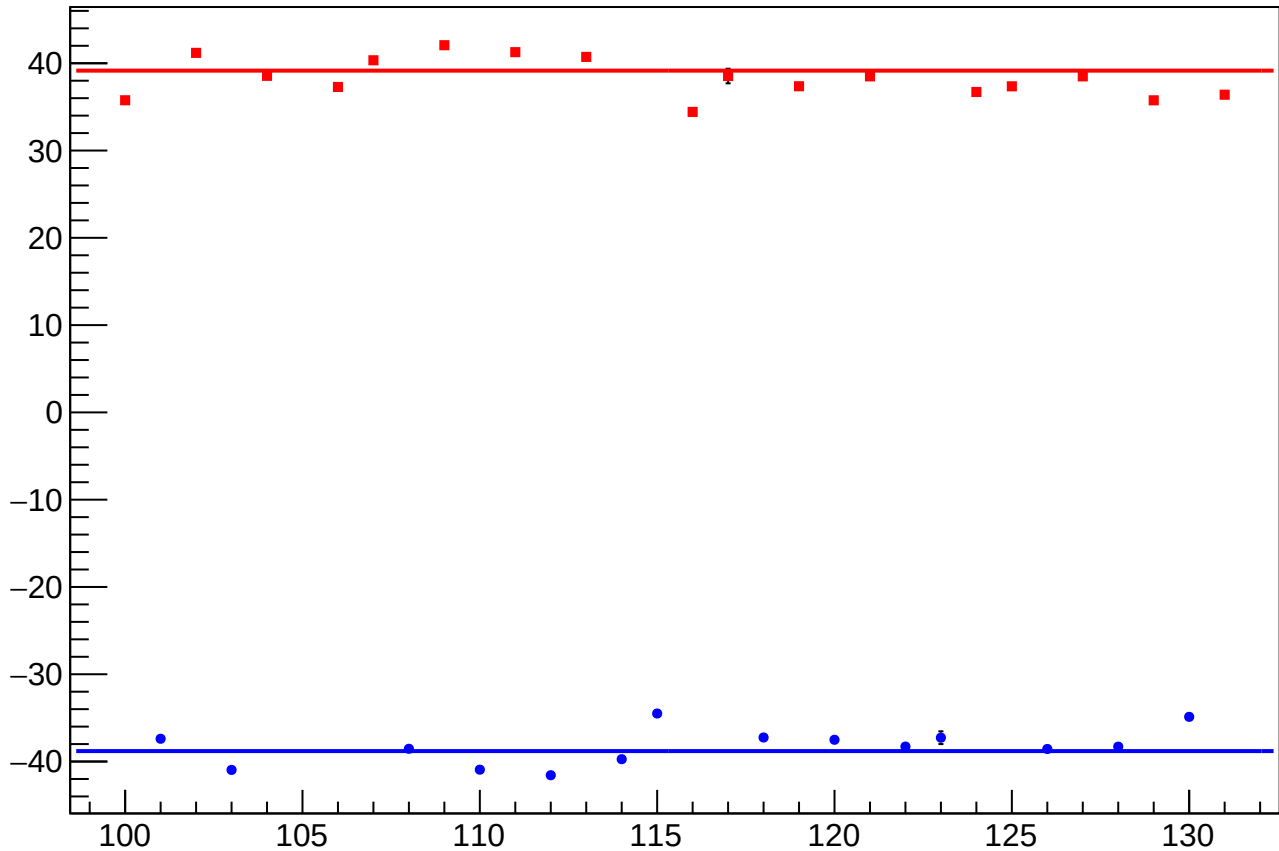
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

11.096+/-0.822  $\chi^2/\text{NDF}$ : 383.0/13

1.043+/-0.586  $\chi^2/\text{NDF}$ : 1050.9/30

-9.384+/-0.837  $\chi^2/\text{NDF}$ : 363.2/16

reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-38.805 \pm 0.047$   $\chi^2/\text{NDF}: 1565.7/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $39.155 \pm 0.044$   $\chi^2/\text{NDF}: 2054.3/16$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

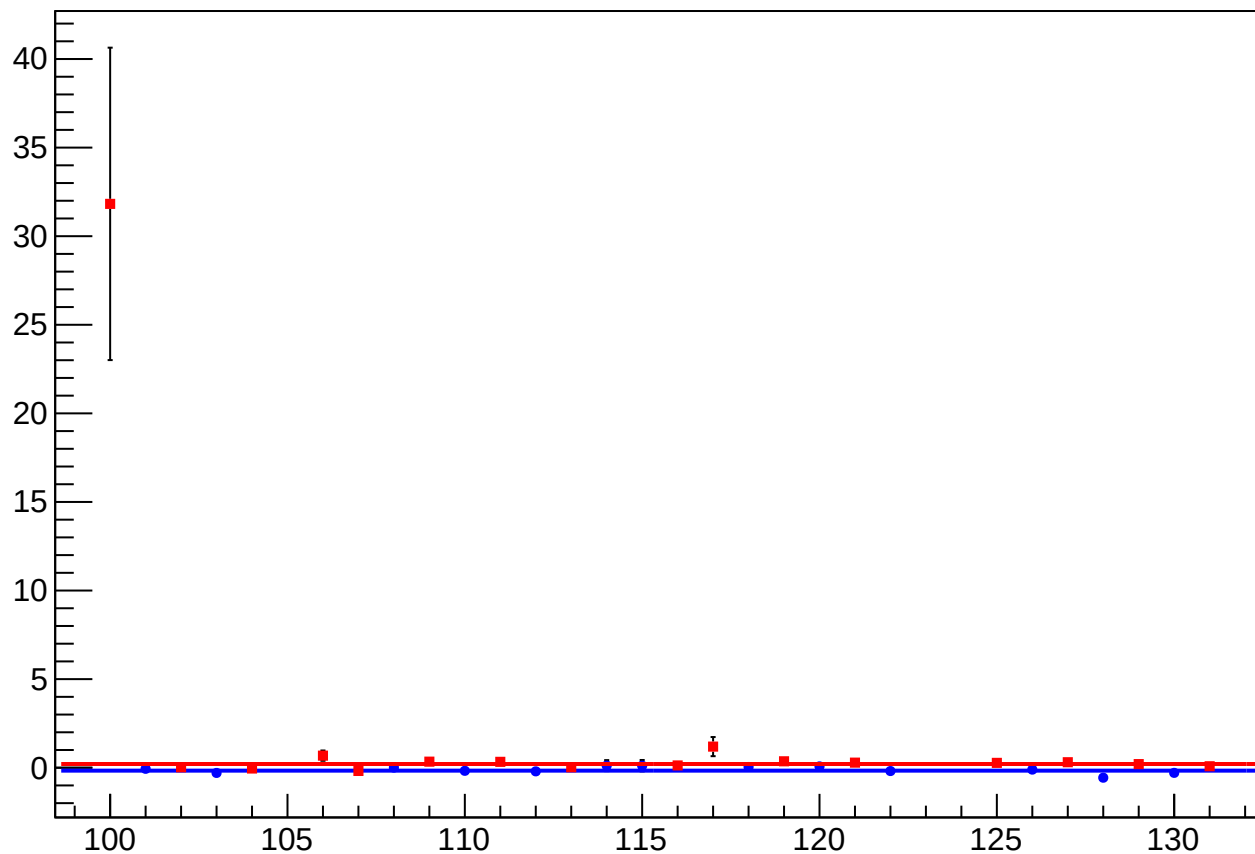
$-38.805 \pm 0.047$   $\chi^2/\text{NDF}: 1565.7/13$

$2.461 \pm 0.032$   $\chi^2/\text{NDF}: 1474031.0/30$

$39.155 \pm 0.044$   $\chi^2/\text{NDF}: 2054.3/16$



reg\_asym\_dsl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.165 \pm 0.054$   $\chi^2/\text{NDF}$ : 10.9/12

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.209 \pm 0.052$   $\chi^2/\text{NDF}$ : 27.8/15

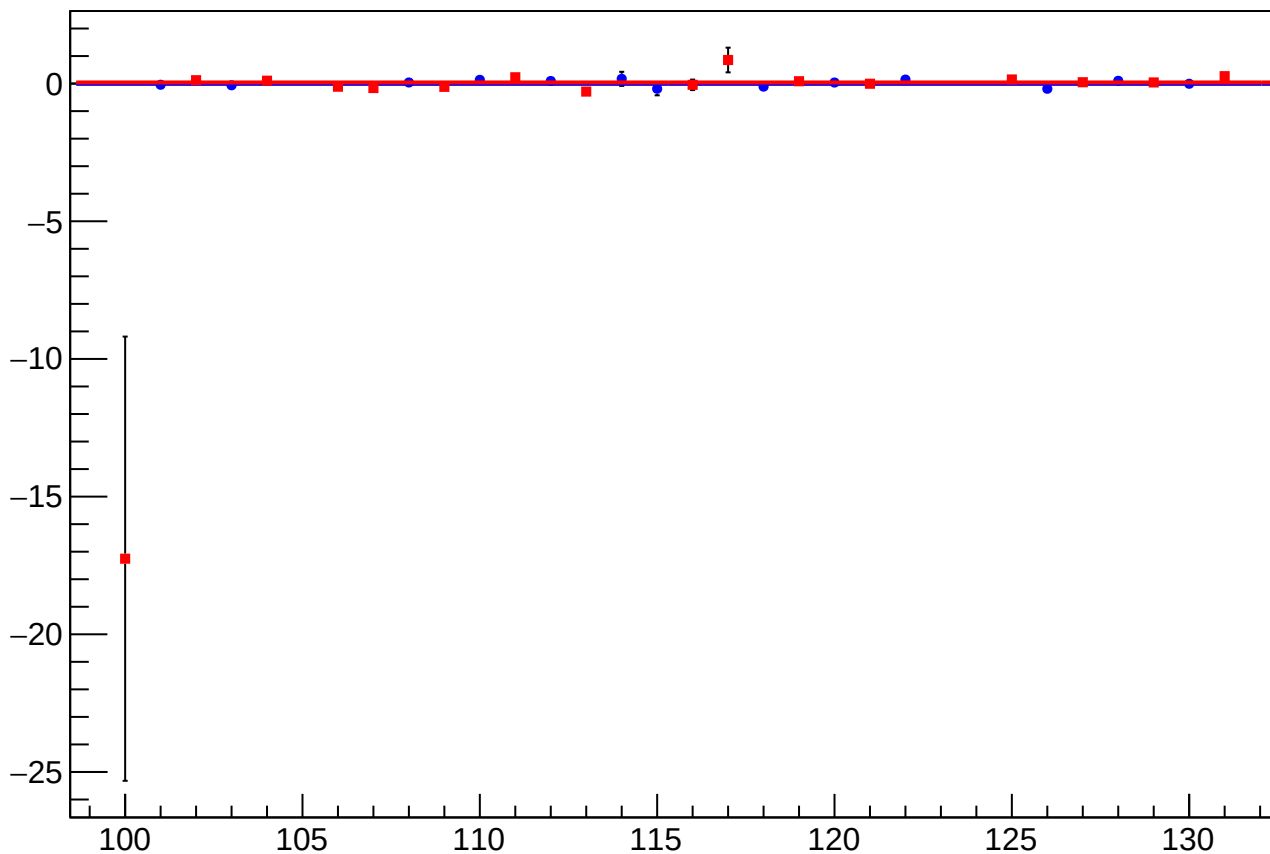
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.165 \pm 0.054$   $\chi^2/\text{NDF}$ : 10.9/12

$0.030 \pm 0.037$   $\chi^2/\text{NDF}$ : 63.9/28

$0.209 \pm 0.052$   $\chi^2/\text{NDF}$ : 27.8/15

reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.010 \pm 0.031$   $\chi^2/\text{NDF}$ : 9.2/12

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.041 \pm 0.033$   $\chi^2/\text{NDF}$ : 26.8/15

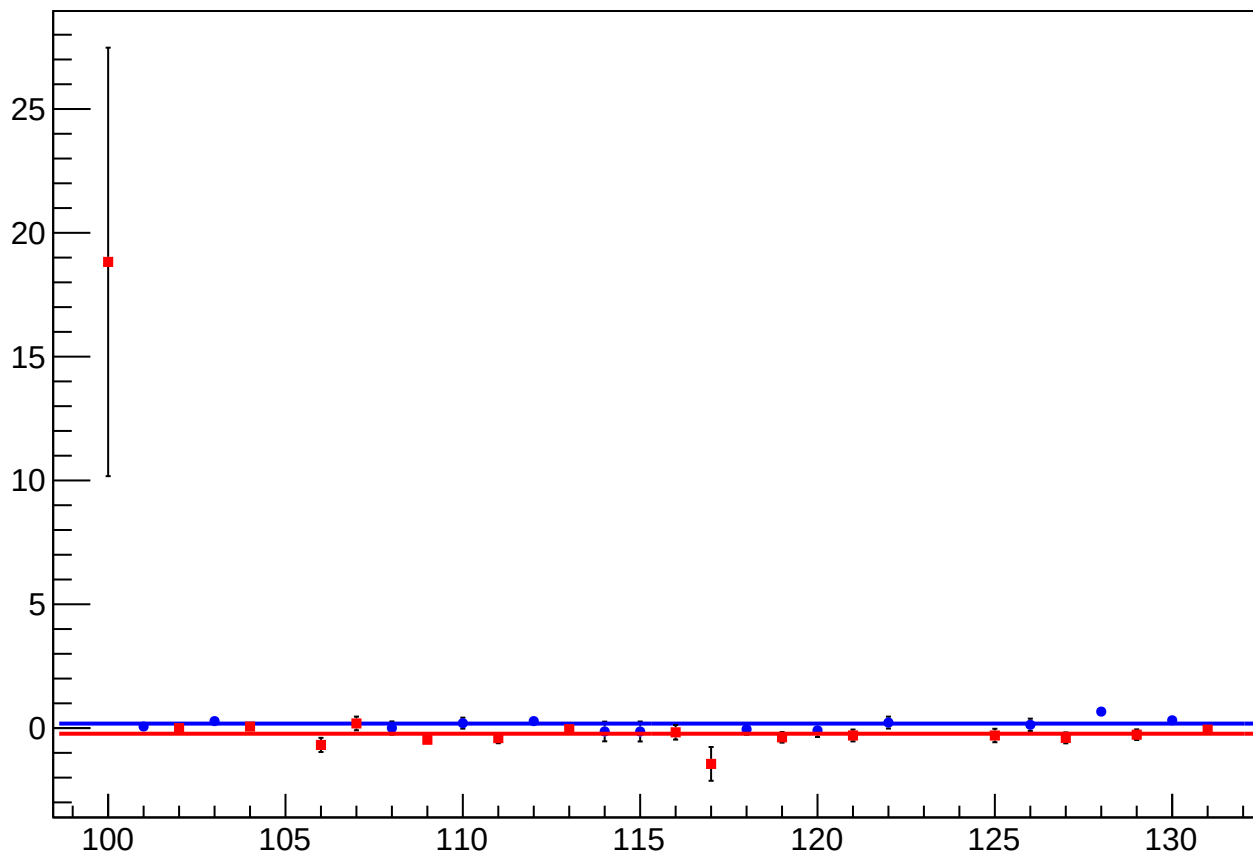
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.010 \pm 0.031$   $\chi^2/\text{NDF}$ : 9.2/12

$0.014 \pm 0.023$   $\chi^2/\text{NDF}$ : 37.3/28

$0.041 \pm 0.033$   $\chi^2/\text{NDF}$ : 26.8/15

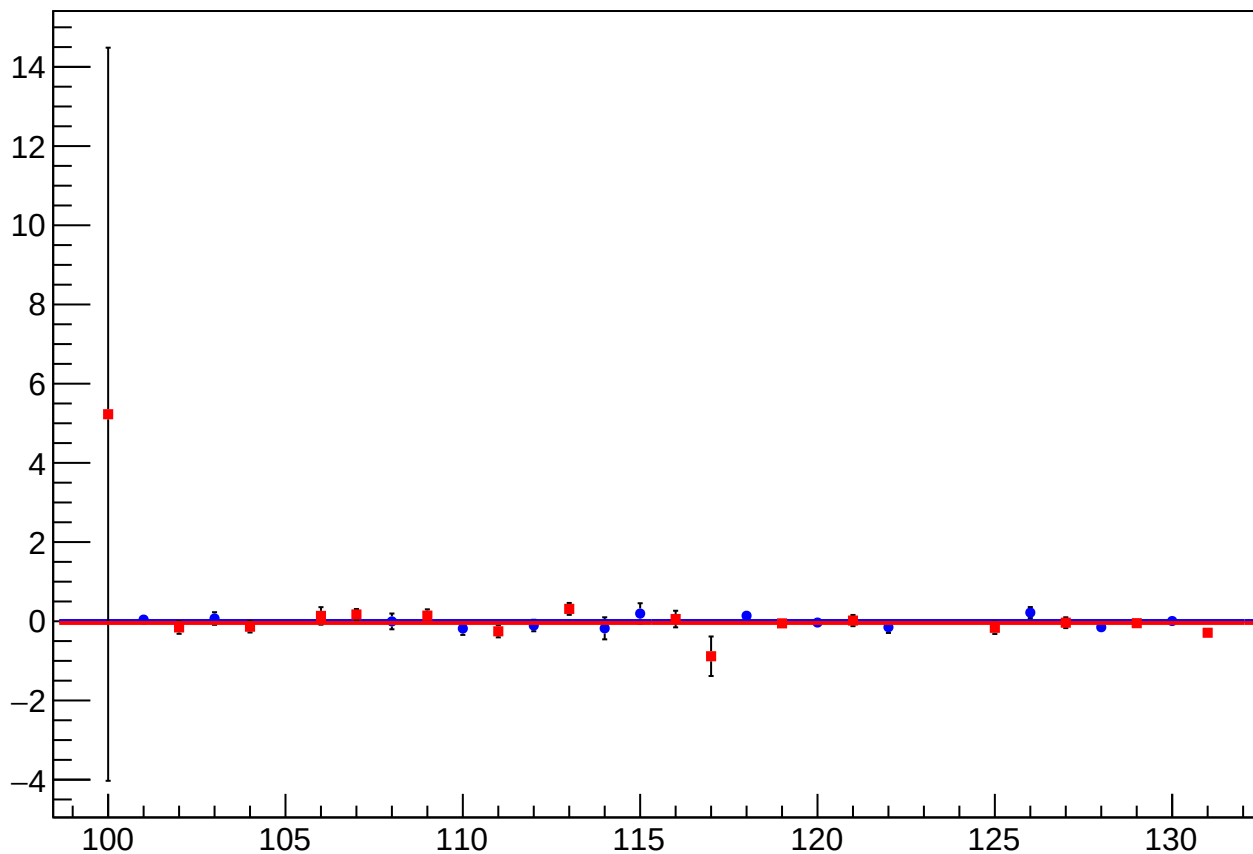
reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $0.182 \pm 0.059$   $\chi^2/\text{NDF}$ : 11.8/12  
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out:  $-0.227 \pm 0.059$   $\chi^2/\text{NDF}$ : 21.5/15  
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$0.182 \pm 0.059$   $\chi^2/\text{NDF}$ : 11.8/12  
 $-0.024 \pm 0.042$   $\chi^2/\text{NDF}$ : 57.4/28  
 $-0.227 \pm 0.059$   $\chi^2/\text{NDF}$ : 21.5/15

reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.006+/-0.037  $\chi^2/\text{NDF}$ : 10.3/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.042+/-0.038  $\chi^2/\text{NDF}$ : 20.9/15

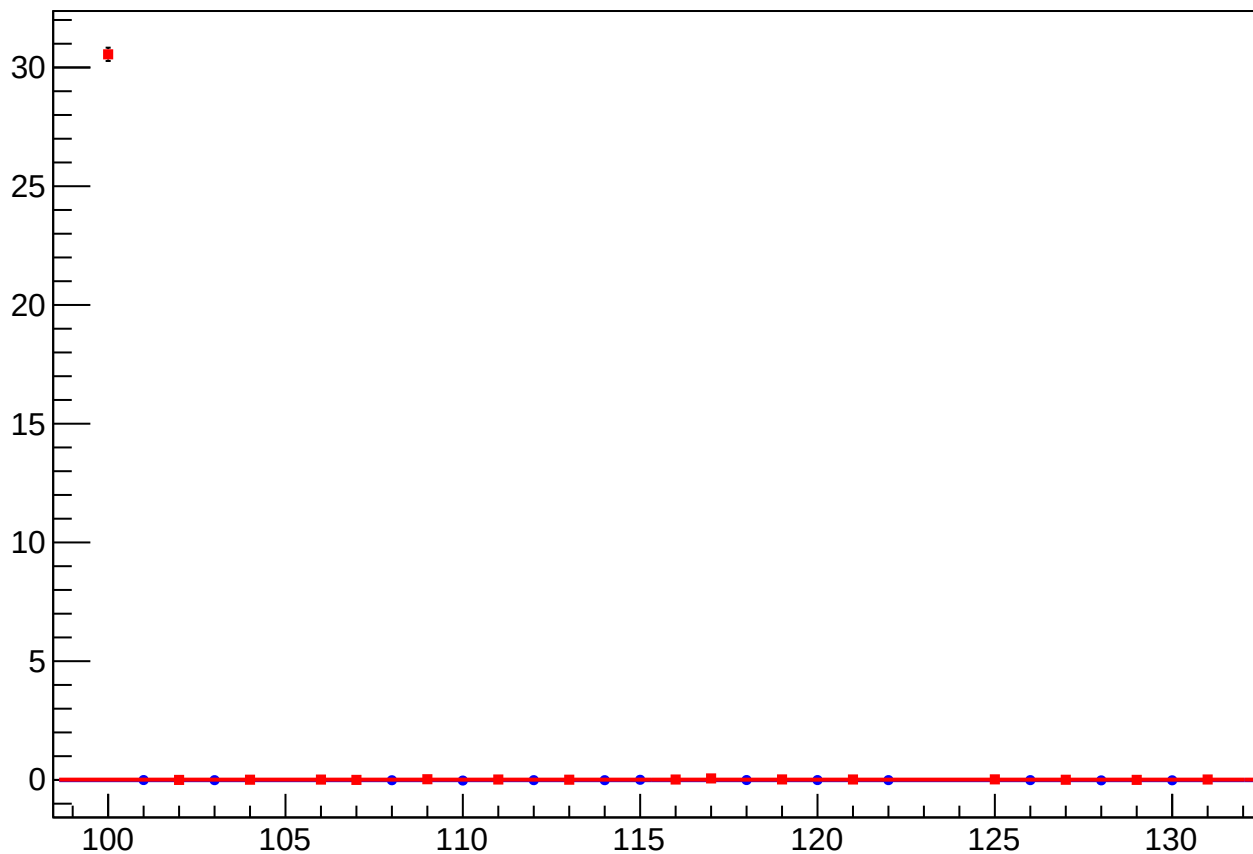
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.037  $\chi^2/\text{NDF}$ : 10.3/12

-0.017+/-0.026  $\chi^2/\text{NDF}$ : 32.0/28

-0.042+/-0.038  $\chi^2/\text{NDF}$ : 20.9/15

reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.010 \pm 0.002$   $\chi^2/\text{NDF}$ : 6.2/12

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.012 \pm 0.002$   $\chi^2/\text{NDF}$ : 11888.6/15

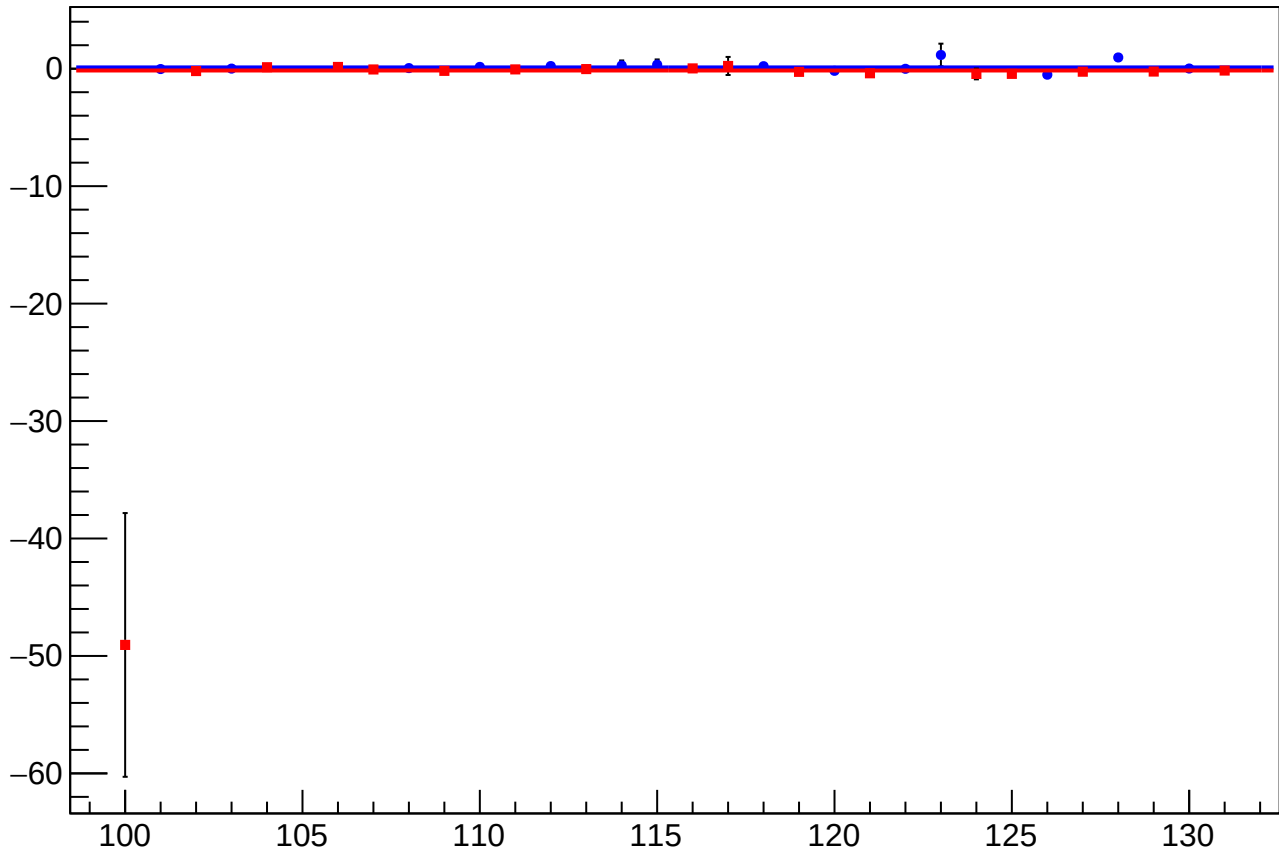
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.010 \pm 0.002$   $\chi^2/\text{NDF}$ : 6.2/12

$0.001 \pm 0.001$   $\chi^2/\text{NDF}$ : 11953.0/28

$0.012 \pm 0.002$   $\chi^2/\text{NDF}$ : 11888.6/15

reg\_asym\_dsr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 0.110+/-0.069  $\chi^2/\text{NDF}$ : 21.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.151+/-0.068  $\chi^2/\text{NDF}$ : 24.3/16

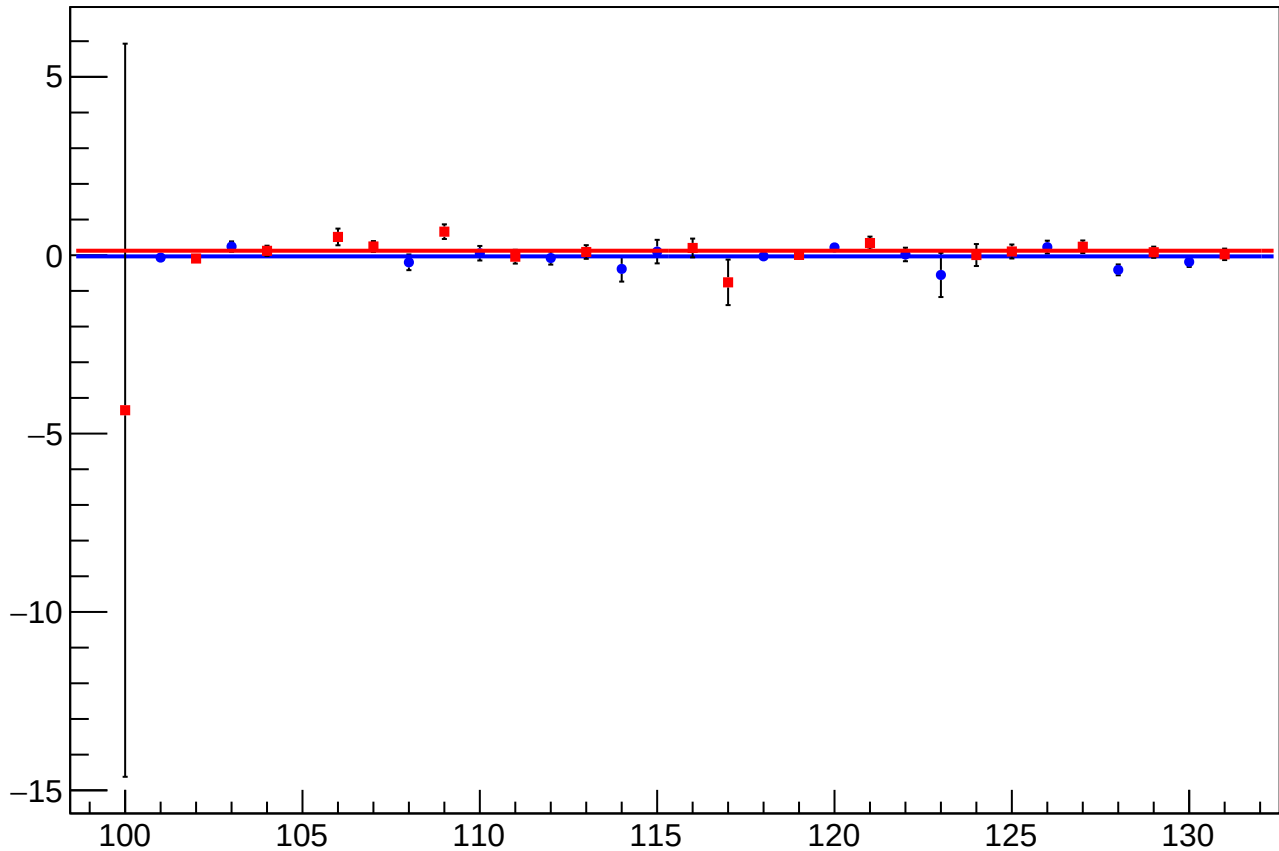
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.110+/-0.069  $\chi^2/\text{NDF}$ : 21.0/13

-0.022+/-0.049  $\chi^2/\text{NDF}$ : 52.5/30

-0.151+/-0.068  $\chi^2/\text{NDF}$ : 24.3/16

reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.033 \pm 0.040$   $\chi^2/\text{NDF}$ : 19.3/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.126 \pm 0.044$   $\chi^2/\text{NDF}$ : 19.2/16

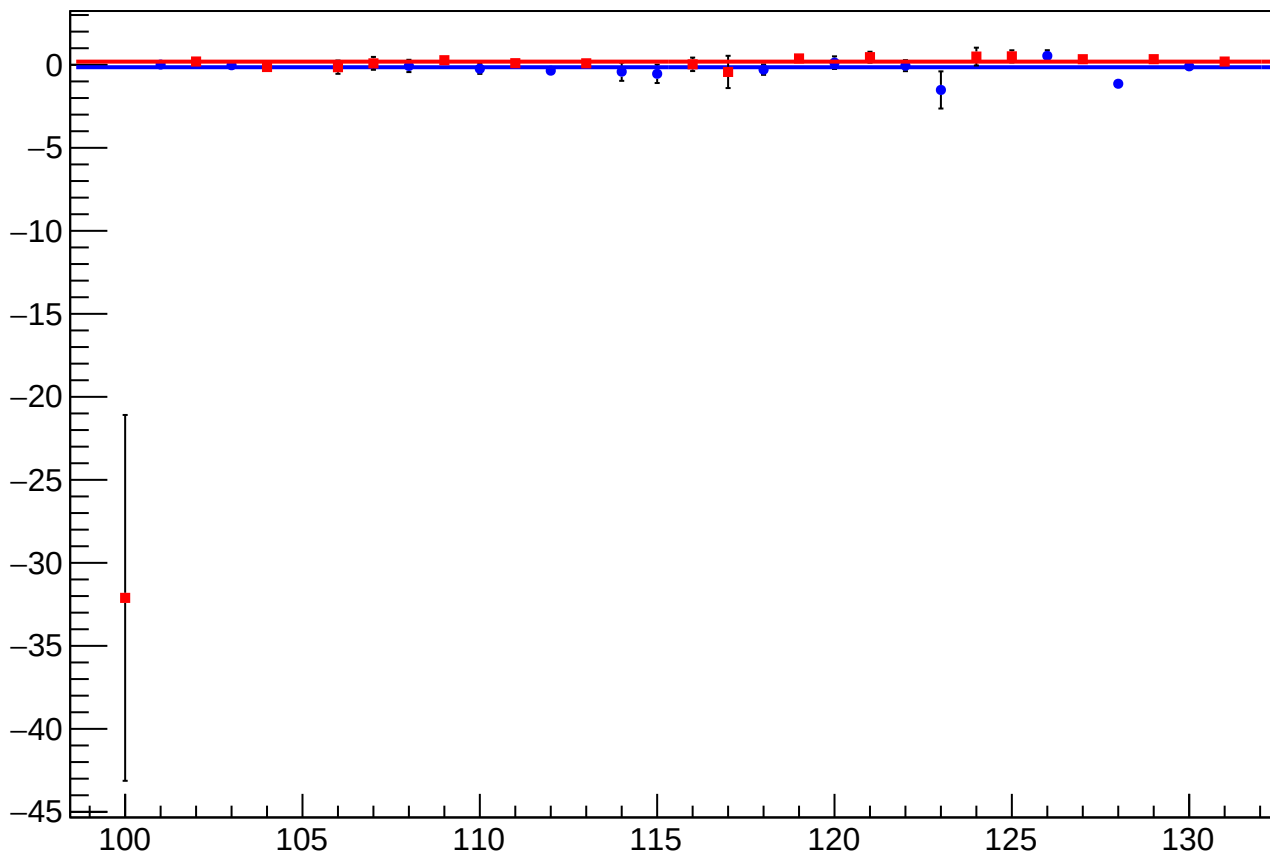
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.033 \pm 0.040$   $\chi^2/\text{NDF}$ : 19.3/13

$0.039 \pm 0.030$   $\chi^2/\text{NDF}$ : 45.7/30

$0.126 \pm 0.044$   $\chi^2/\text{NDF}$ : 19.2/16

reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-0.145 \pm 0.074$   $\chi^2/\text{NDF}$ : 22.6/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.192 \pm 0.077$   $\chi^2/\text{NDF}$ : 14.7/16

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

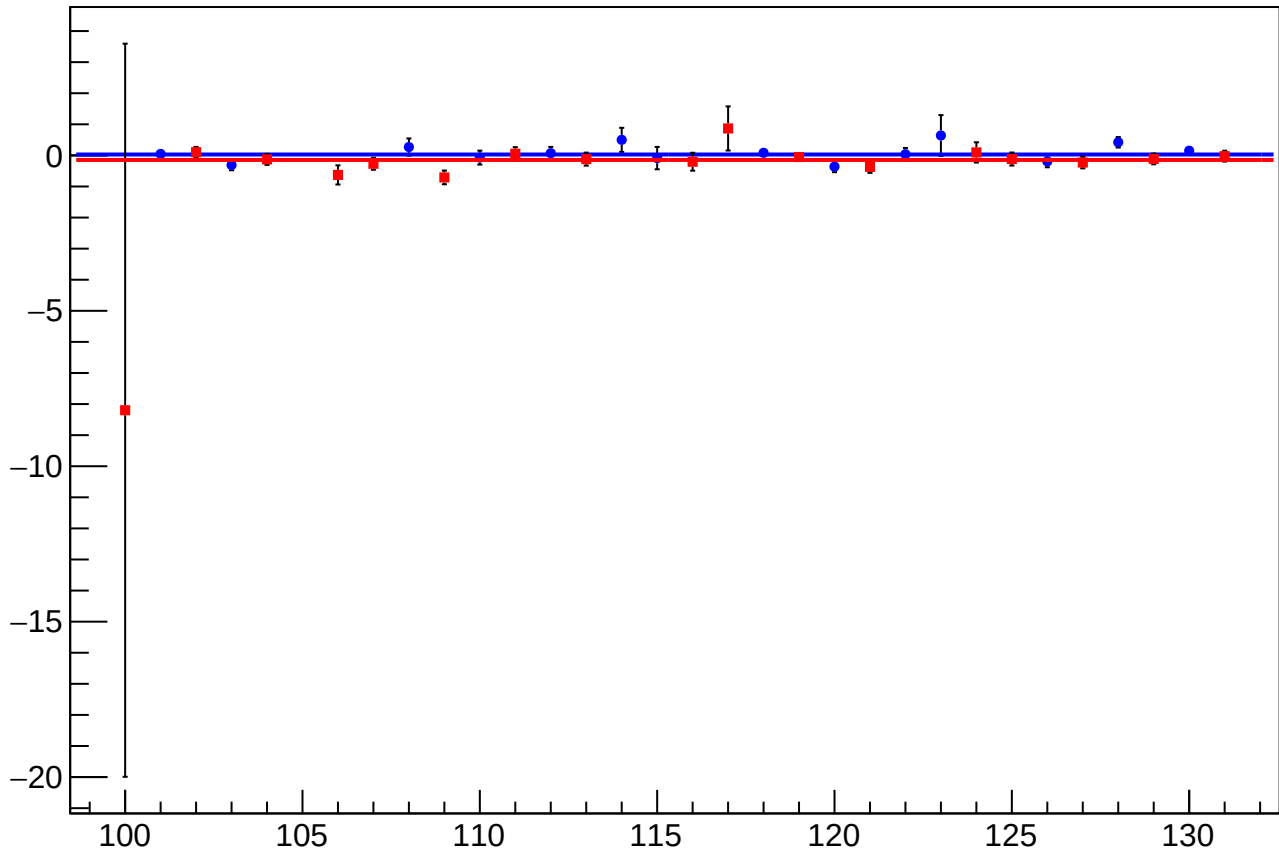
$-0.145 \pm 0.074$   $\chi^2/\text{NDF}$ : 22.6/13

$0.019 \pm 0.053$   $\chi^2/\text{NDF}$ : 47.4/30

$0.192 \pm 0.077$   $\chi^2/\text{NDF}$ : 14.7/16



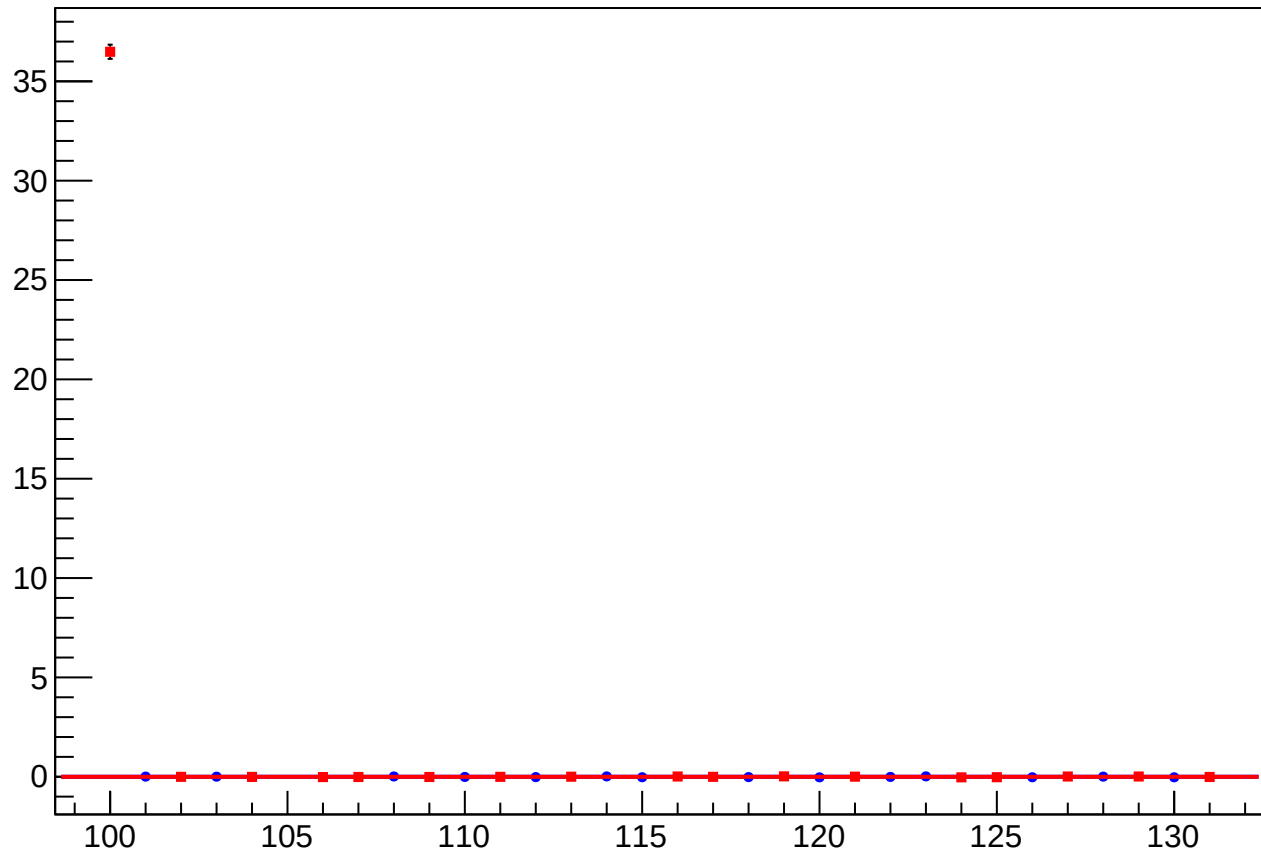
reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.047  $\chi^2$ /NDF: 19.7/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -0.146 $\pm$ 0.051  $\chi^2$ /NDF: 18.0/16  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.029 $\pm$ 0.047  $\chi^2$ /NDF: 19.7/13  
 -0.052 $\pm$ 0.035  $\chi^2$ /NDF: 44.1/30  
 -0.146 $\pm$ 0.051  $\chi^2$ /NDF: 18.0/16

reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.003  $\chi^2/\text{NDF}$ : 25.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.003+/-0.003  $\chi^2/\text{NDF}$ : 10443.6/16

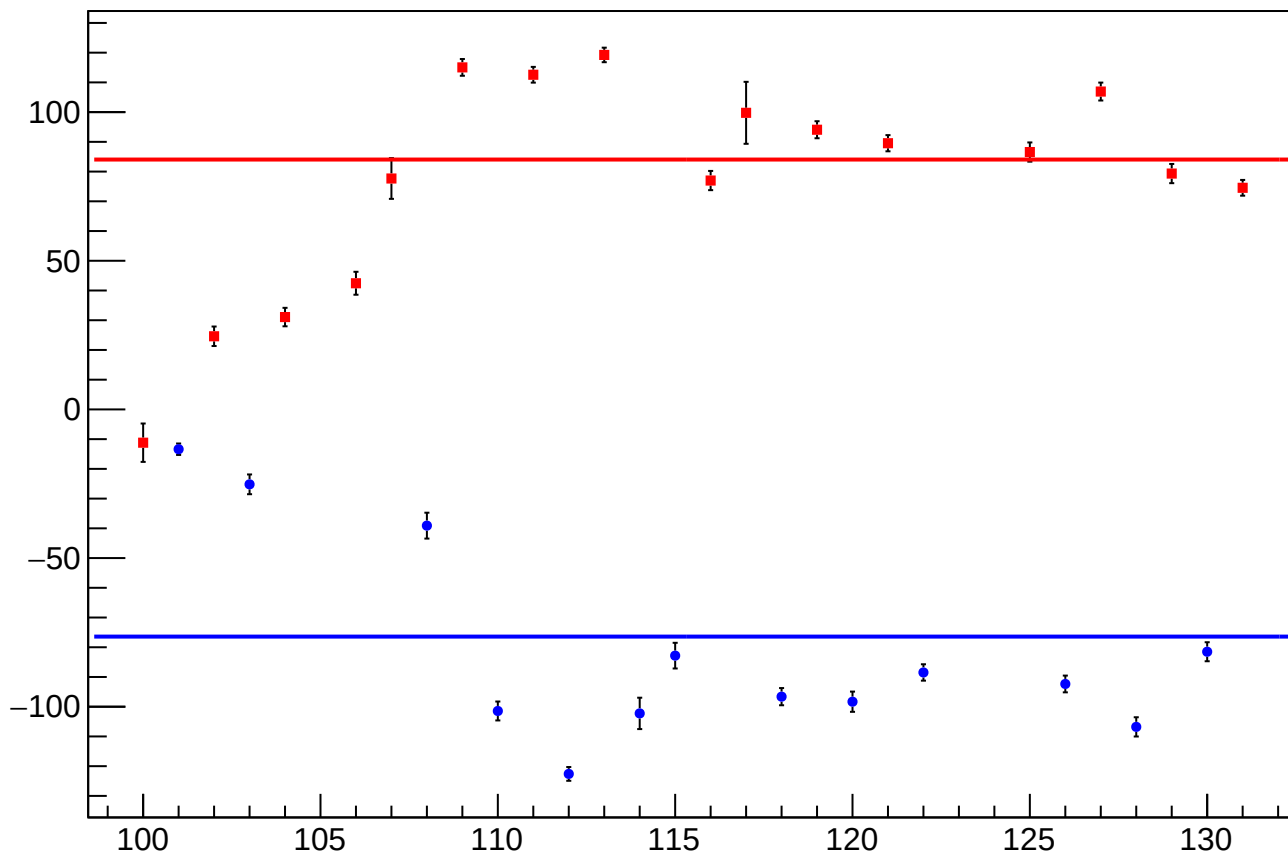
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.003  $\chi^2/\text{NDF}$ : 25.9/13

-0.001+/-0.002  $\chi^2/\text{NDF}$ : 10470.5/30

-0.003+/-0.003  $\chi^2/\text{NDF}$ : 10443.6/16

reg\_asym\_us\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -76.414+/-0.832  $\chi^2/\text{NDF}$ : 2103.3/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 84.049+/-0.803  $\chi^2/\text{NDF}$ : 1496.1/15

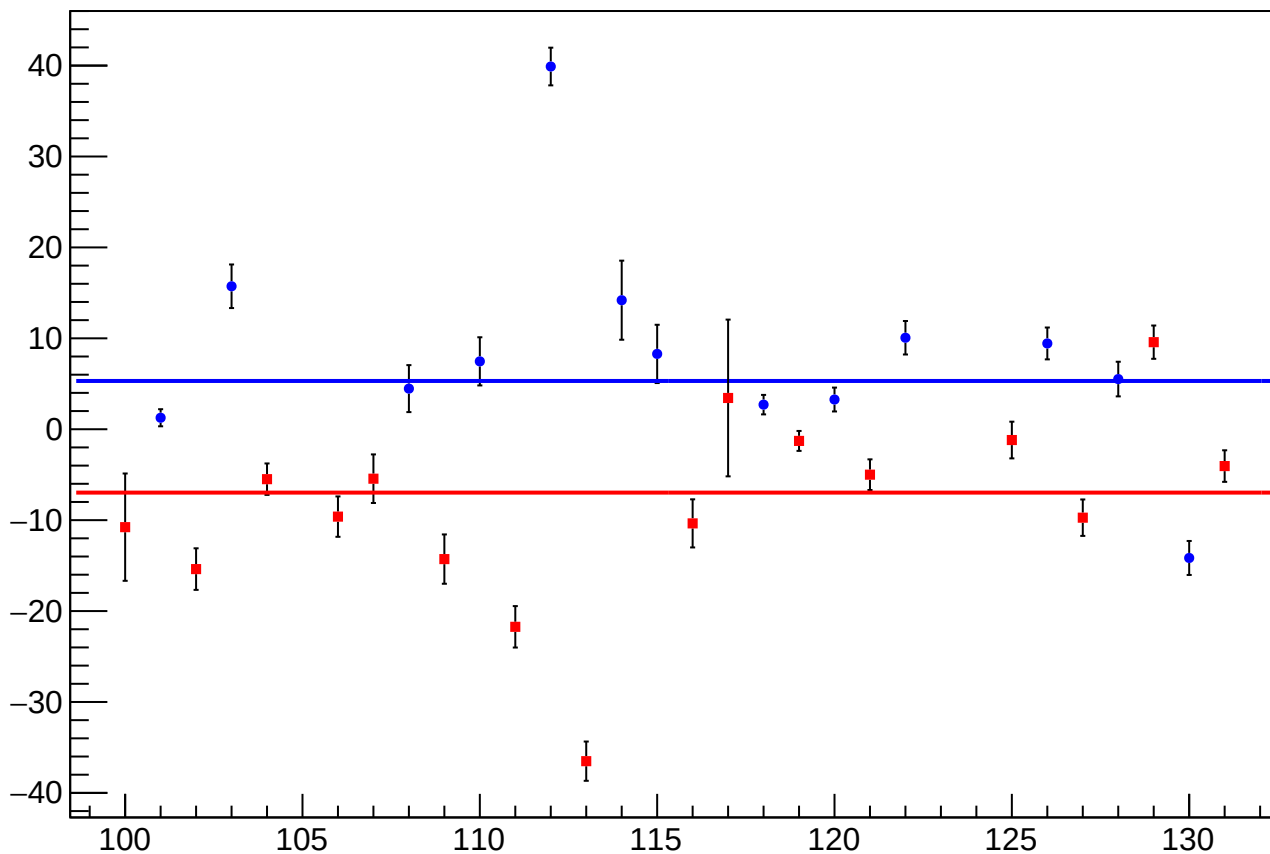
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-76.414+/-0.832  $\chi^2/\text{NDF}$ : 2103.3/12

6.670+/-0.578  $\chi^2/\text{NDF}$ : 22869.4/28

84.049+/-0.803  $\chi^2/\text{NDF}$ : 1496.1/15

reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.310+/-0.466  $\chi^2/\text{NDF}$ : 450.6/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.970+/-0.506  $\chi^2/\text{NDF}$ : 378.8/15

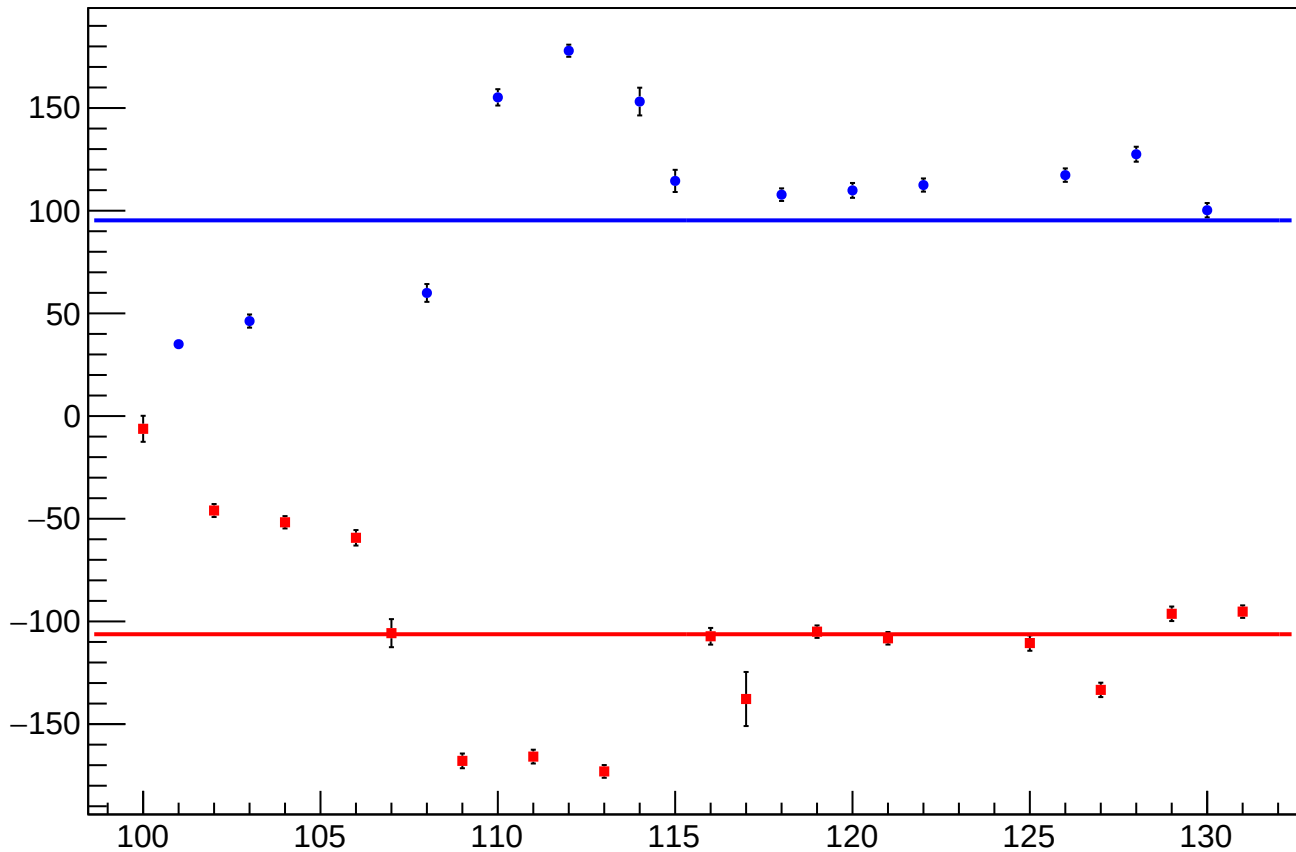
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.310+/-0.466  $\chi^2/\text{NDF}$ : 450.6/12

-0.319+/-0.343  $\chi^2/\text{NDF}$ : 1148.3/28

-6.970+/-0.506  $\chi^2/\text{NDF}$ : 378.8/15

reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 95.296+/-0.911  $\chi^2/\text{NDF}$ : 2642.1/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -106.236+/-0.905  $\chi^2/\text{NDF}$ : 2257.5/15

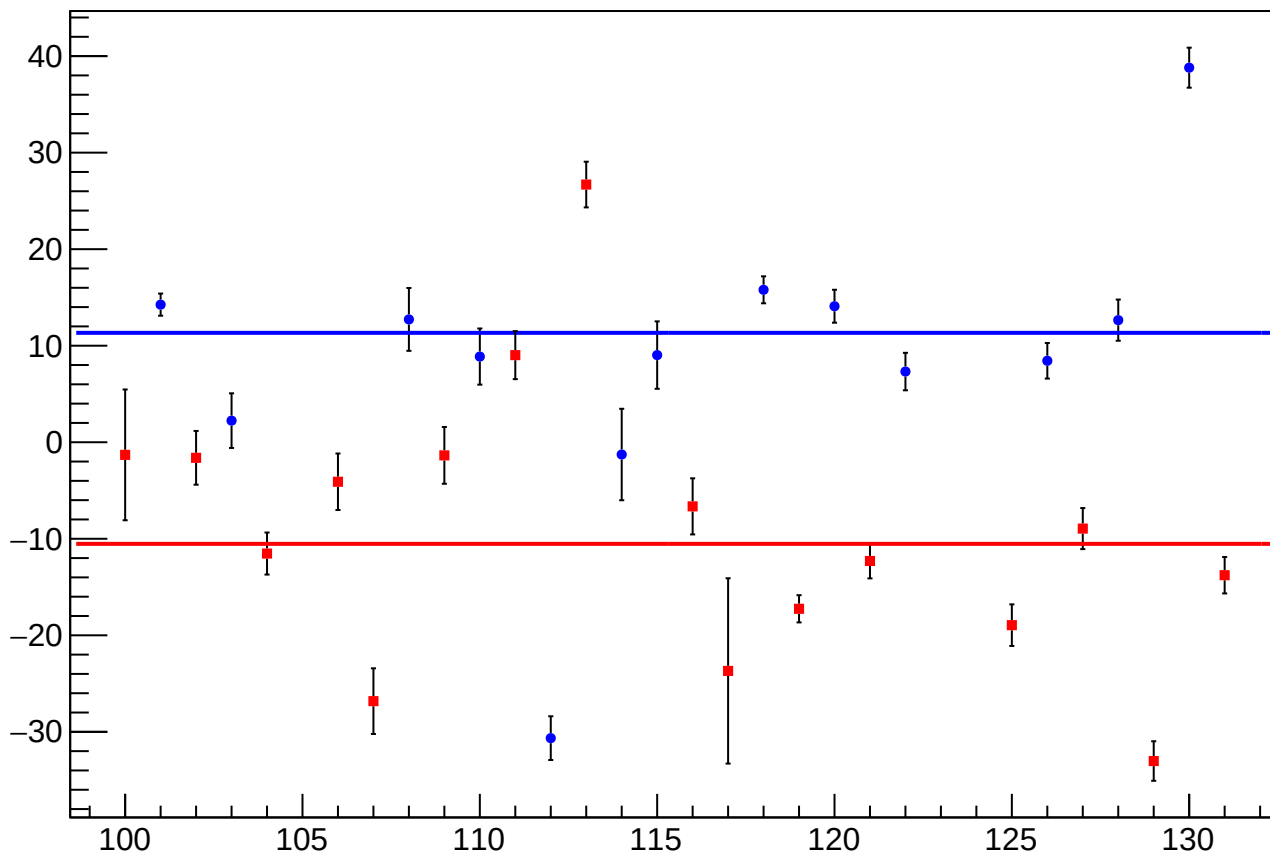
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

95.296+/-0.911  $\chi^2/\text{NDF}$ : 2642.1/12

-6.115+/-0.642  $\chi^2/\text{NDF}$ : 29515.3/28

-106.236+/-0.905  $\chi^2/\text{NDF}$ : 2257.5/15

reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 11.334+/-0.551  $\chi^2$ /NDF: 564.0/12

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -10.526+/-0.586  $\chi^2$ /NDF: 525.9/15

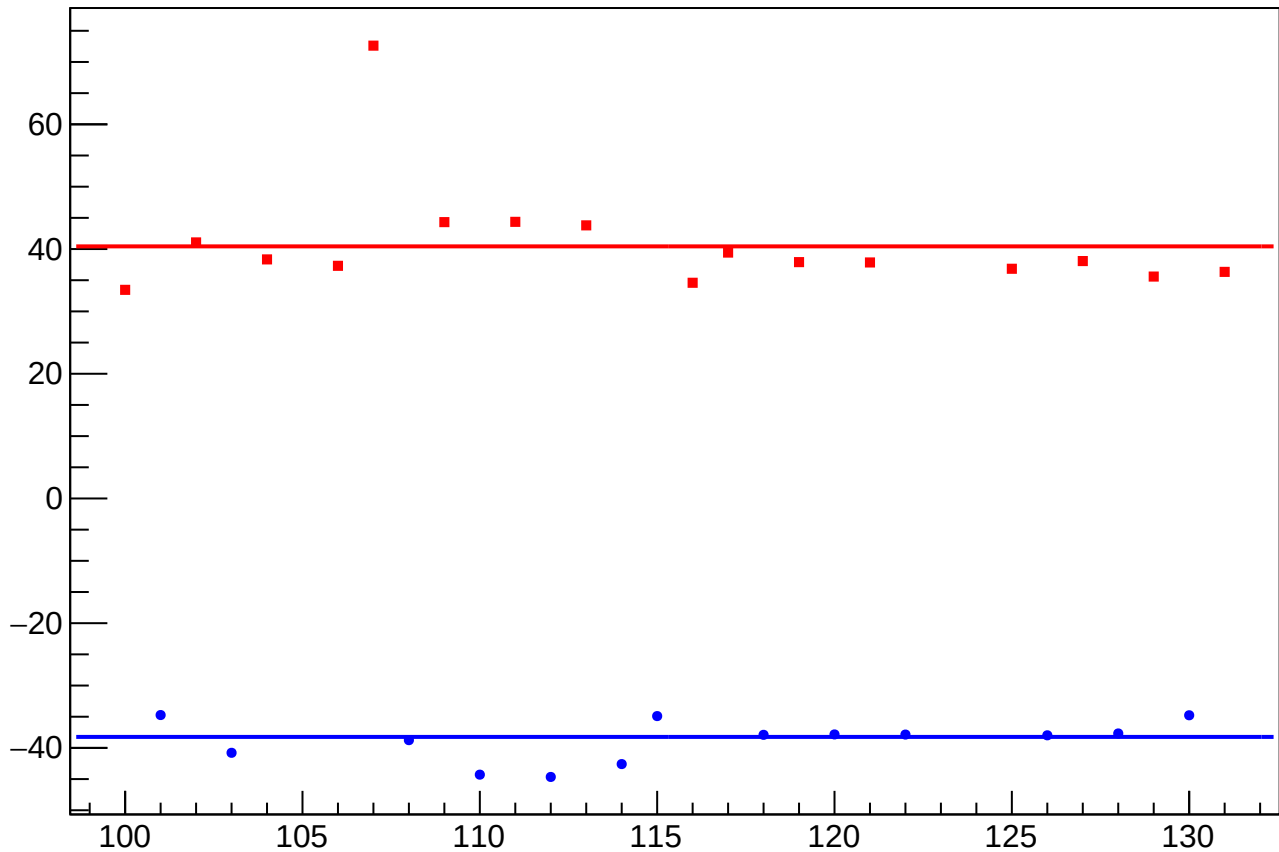
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

11.334+/-0.551  $\chi^2$ /NDF: 564.0/12

1.060+/-0.401  $\chi^2$ /NDF: 1828.4/28

-10.526+/-0.586  $\chi^2$ /NDF: 525.9/15

reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.237+/-0.033  $\chi^2/\text{NDF}$ : 8159.5/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.428+/-0.032  $\chi^2/\text{NDF}$ : 51029.0/15

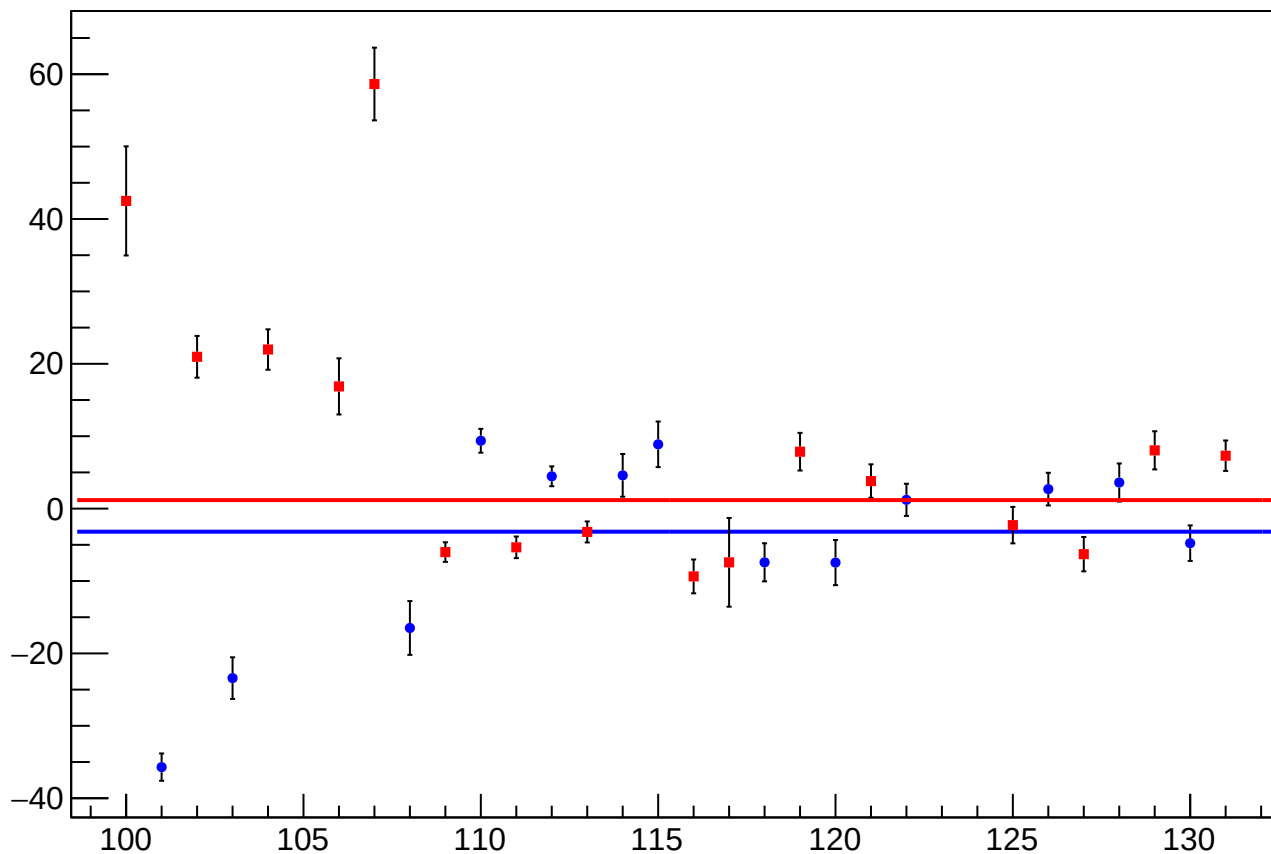
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-38.237+/-0.033  $\chi^2/\text{NDF}$ : 8159.5/12

2.160+/-0.023  $\chi^2/\text{NDF}$ : 2979930.6/28

40.428+/-0.032  $\chi^2/\text{NDF}$ : 51029.0/15

reg\_asym\_us\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -3.188+/-0.627  $\chi^2/\text{NDF}$ : 492.0/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.176+/-0.569  $\chi^2/\text{NDF}$ : 393.8/15

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

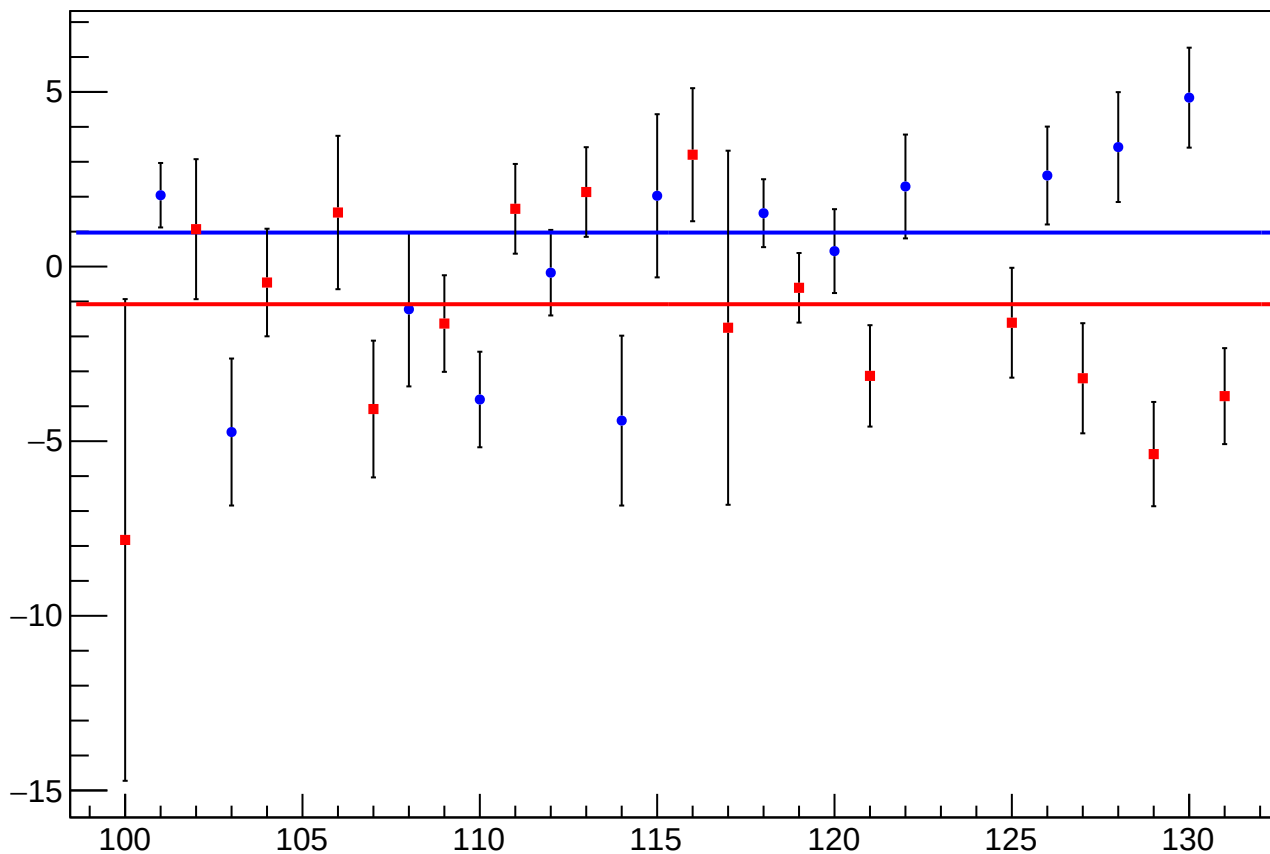
-3.188+/-0.627  $\chi^2/\text{NDF}$ : 492.0/12

-0.796+/-0.421  $\chi^2/\text{NDF}$ : 912.4/28

1.176+/-0.569  $\chi^2/\text{NDF}$ : 393.8/15



reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.973+/-0.385  $\chi^2/\text{NDF}$ : 40.3/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.078+/-0.393  $\chi^2/\text{NDF}$ : 38.1/15

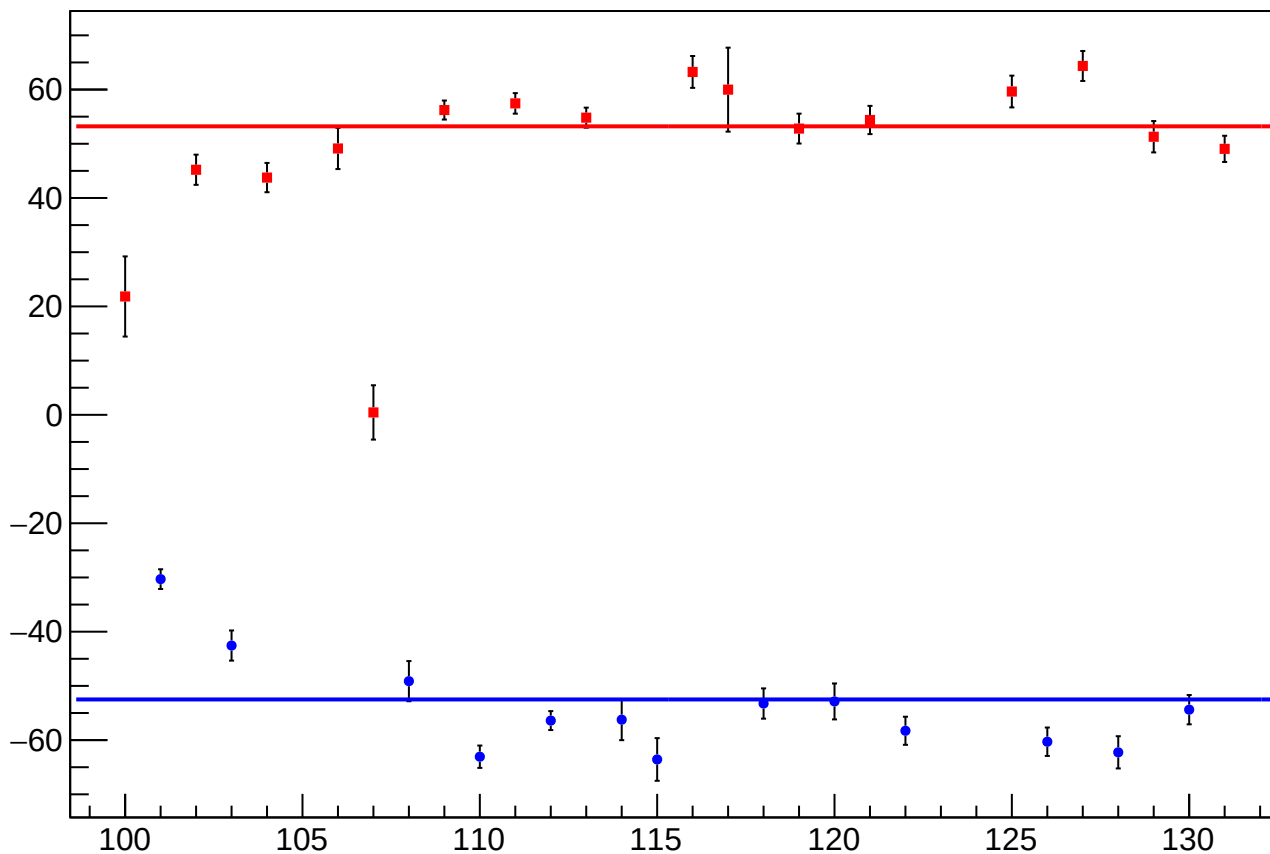
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.973+/-0.385  $\chi^2/\text{NDF}$ : 40.3/12

-0.030+/-0.275  $\chi^2/\text{NDF}$ : 92.3/28

-1.078+/-0.393  $\chi^2/\text{NDF}$ : 38.1/15

reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -52.499 $\pm$ 0.713  $\chi^2$ /NDF: 227.8/12

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 53.215 $\pm$ 0.668  $\chi^2$ /NDF: 196.4/15

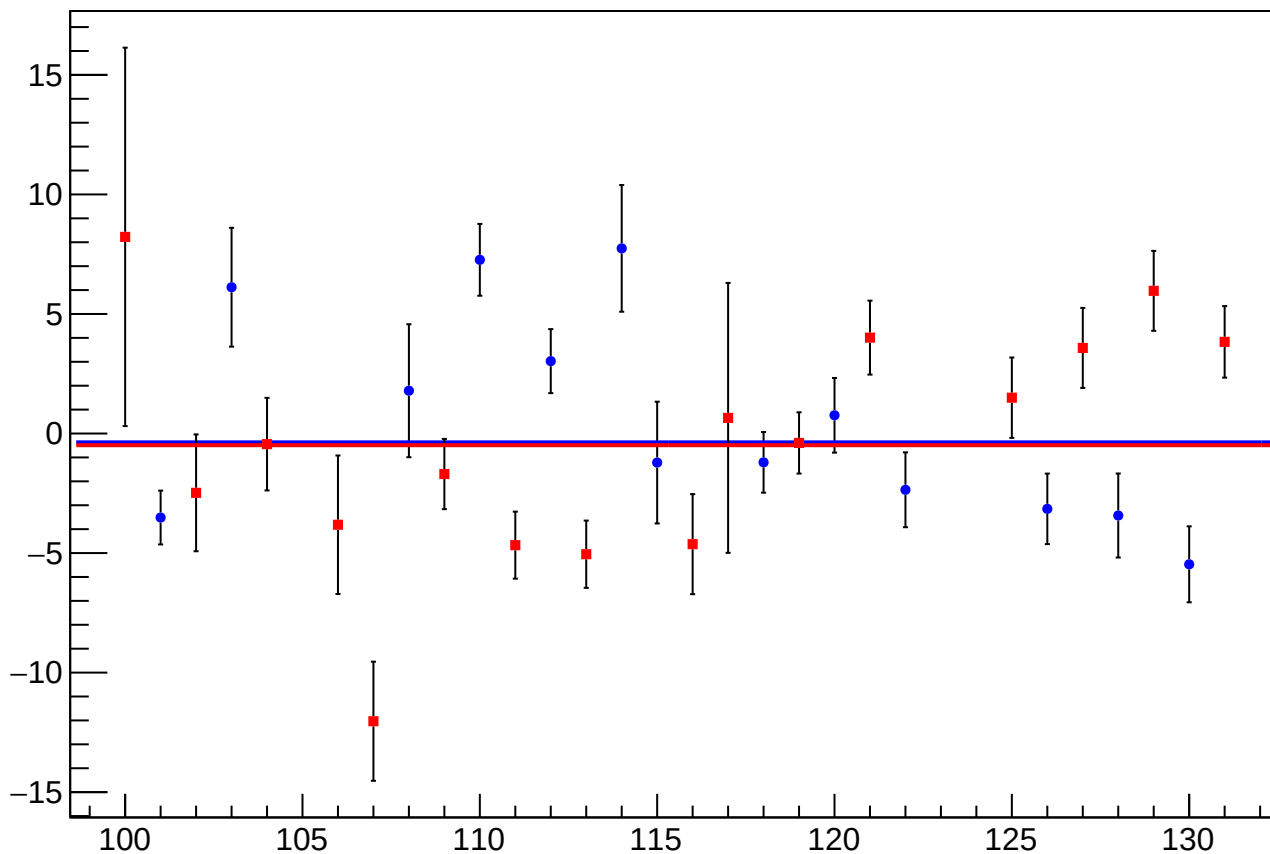
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-52.499 $\pm$ 0.713  $\chi^2$ /NDF: 227.8/12

3.785 $\pm$ 0.488  $\chi^2$ /NDF: 12128.8/28

53.215 $\pm$ 0.668  $\chi^2$ /NDF: 196.4/15

reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-0.370 \pm 0.447$   $\chi^2/\text{NDF}$ : 76.5/12

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.489 \pm 0.447$   $\chi^2/\text{NDF}$ : 87.8/15

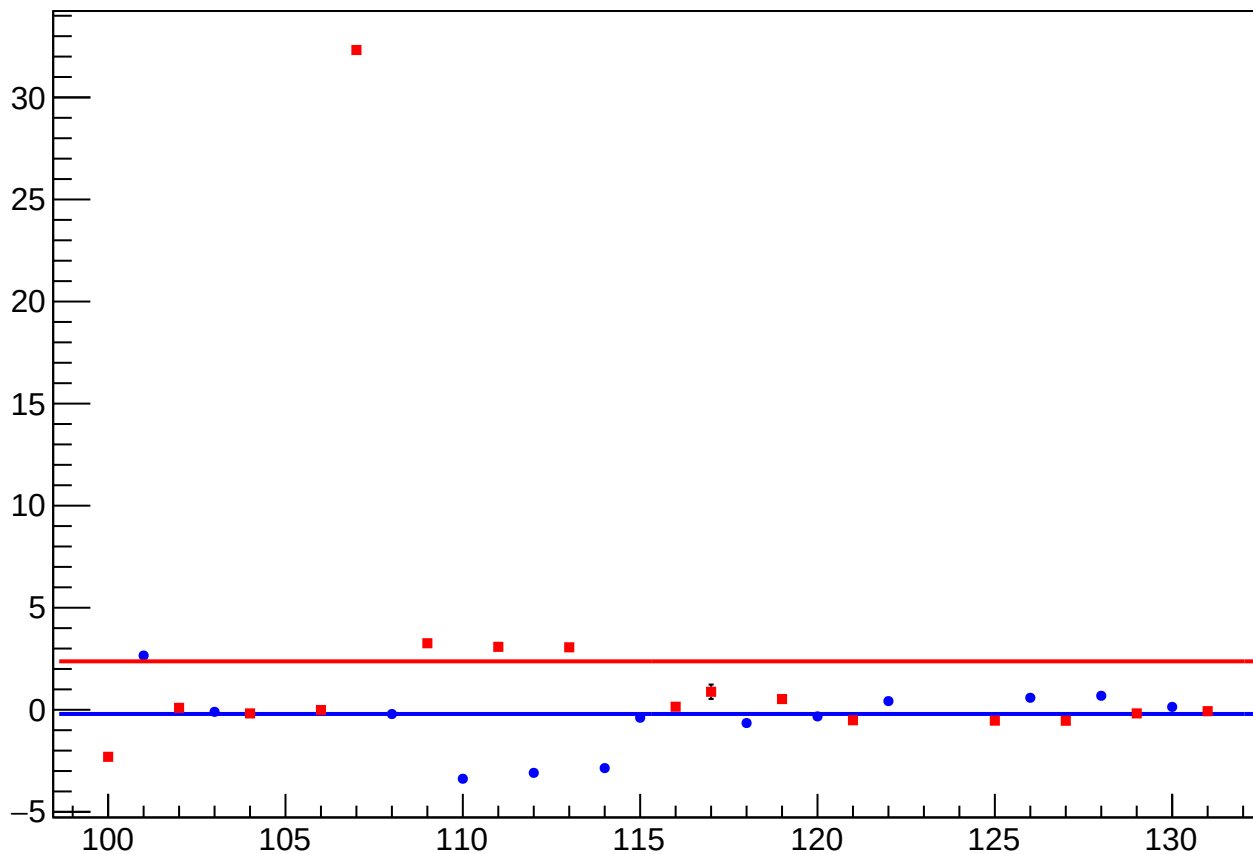
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.370 \pm 0.447$   $\chi^2/\text{NDF}$ : 76.5/12

$-0.430 \pm 0.316$   $\chi^2/\text{NDF}$ : 164.3/28

$-0.489 \pm 0.447$   $\chi^2/\text{NDF}$ : 87.8/15

reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.204+/-0.027  $\chi^2/\text{NDF}$ : 4570.5/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.373+/-0.025  $\chi^2/\text{NDF}$ : 74649.5/15

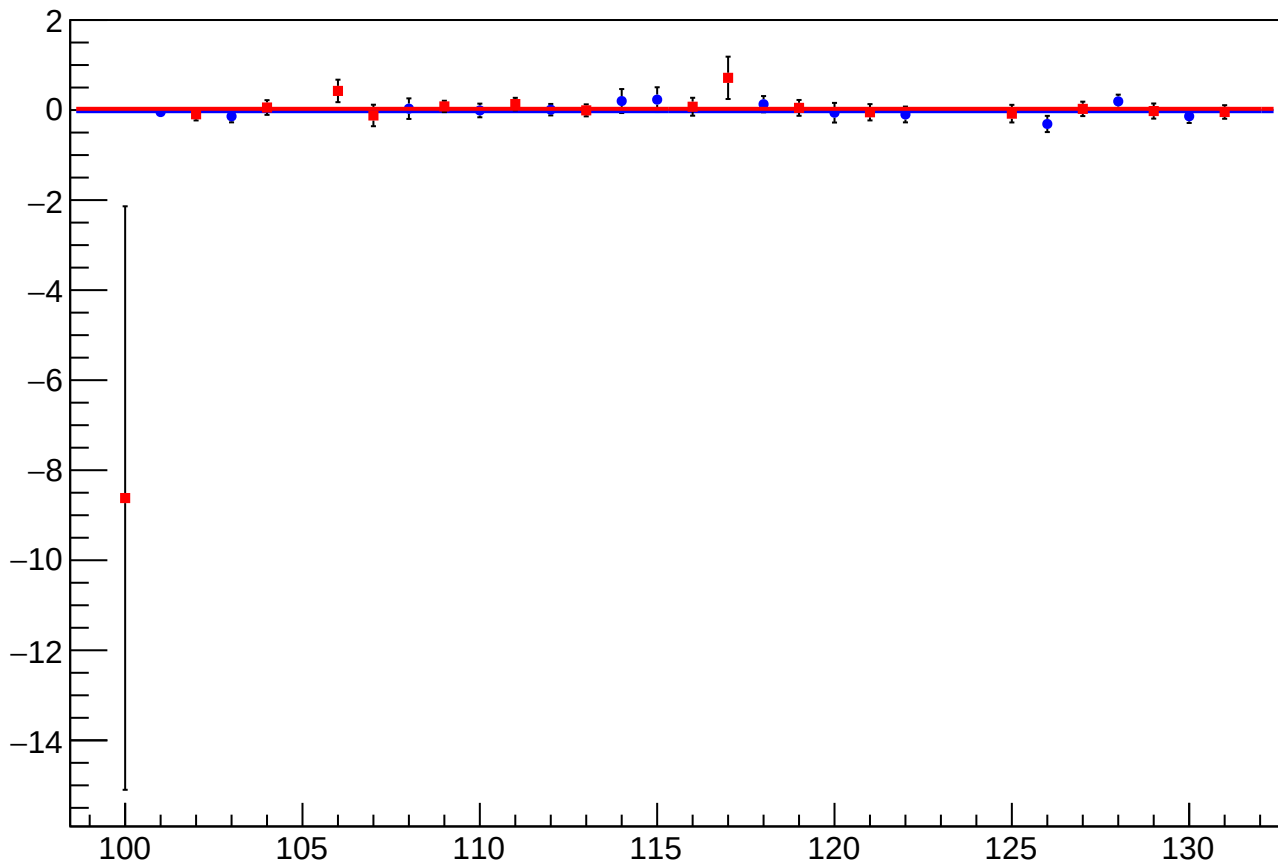
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.204+/-0.027  $\chi^2/\text{NDF}$ : 4570.5/12

1.162+/-0.019  $\chi^2/\text{NDF}$ : 84042.7/28

2.373+/-0.025  $\chi^2/\text{NDF}$ : 74649.5/15

reg\_asym\_ds\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.026 $\pm$ 0.044  $\chi^2$ /NDF: 8.6/12

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.028 $\pm$ 0.043  $\chi^2$ /NDF: 9.3/15

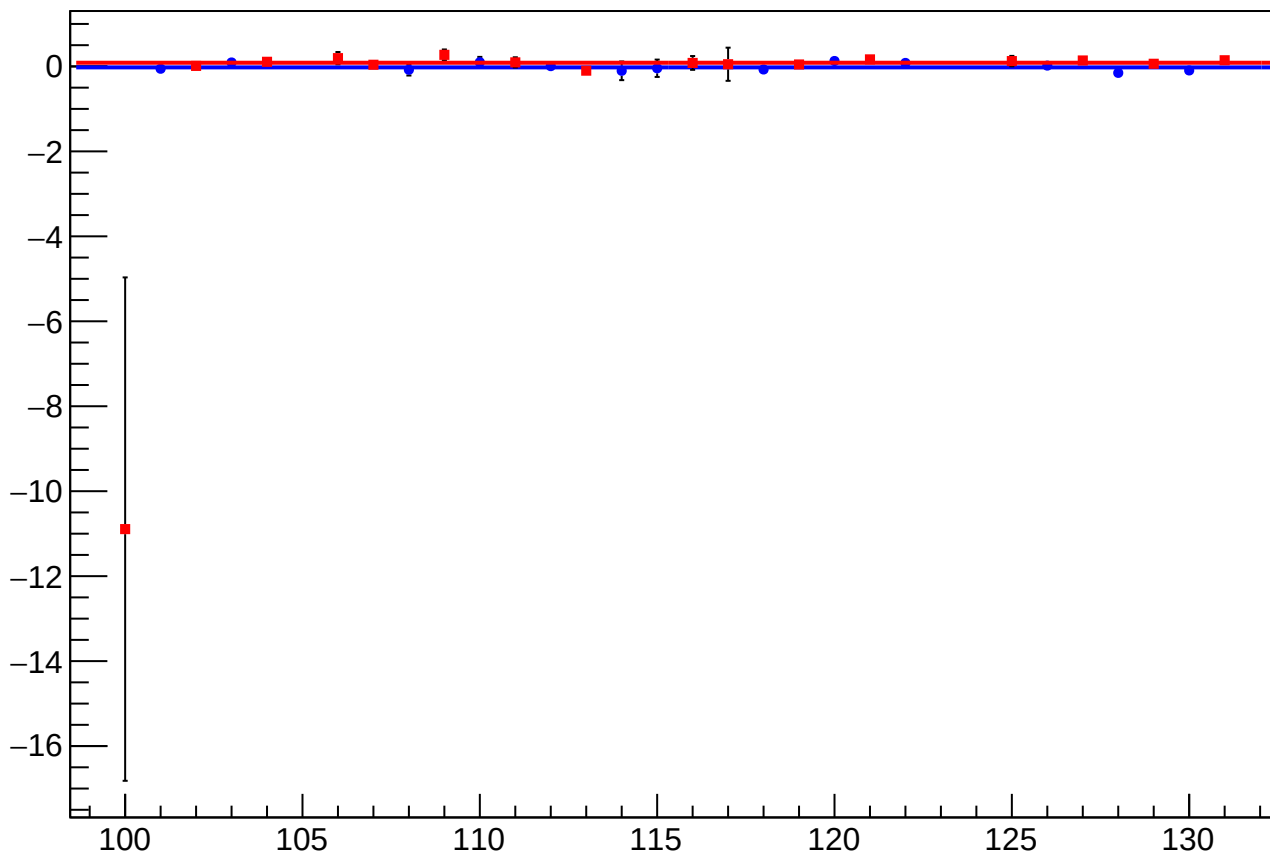
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.026 $\pm$ 0.044  $\chi^2$ /NDF: 8.6/12

0.002 $\pm$ 0.031  $\chi^2$ /NDF: 18.7/28

0.028 $\pm$ 0.043  $\chi^2$ /NDF: 9.3/15

reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.026  $\chi^2/\text{NDF}$ : 10.4/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.087+/-0.028  $\chi^2/\text{NDF}$ : 11.2/15

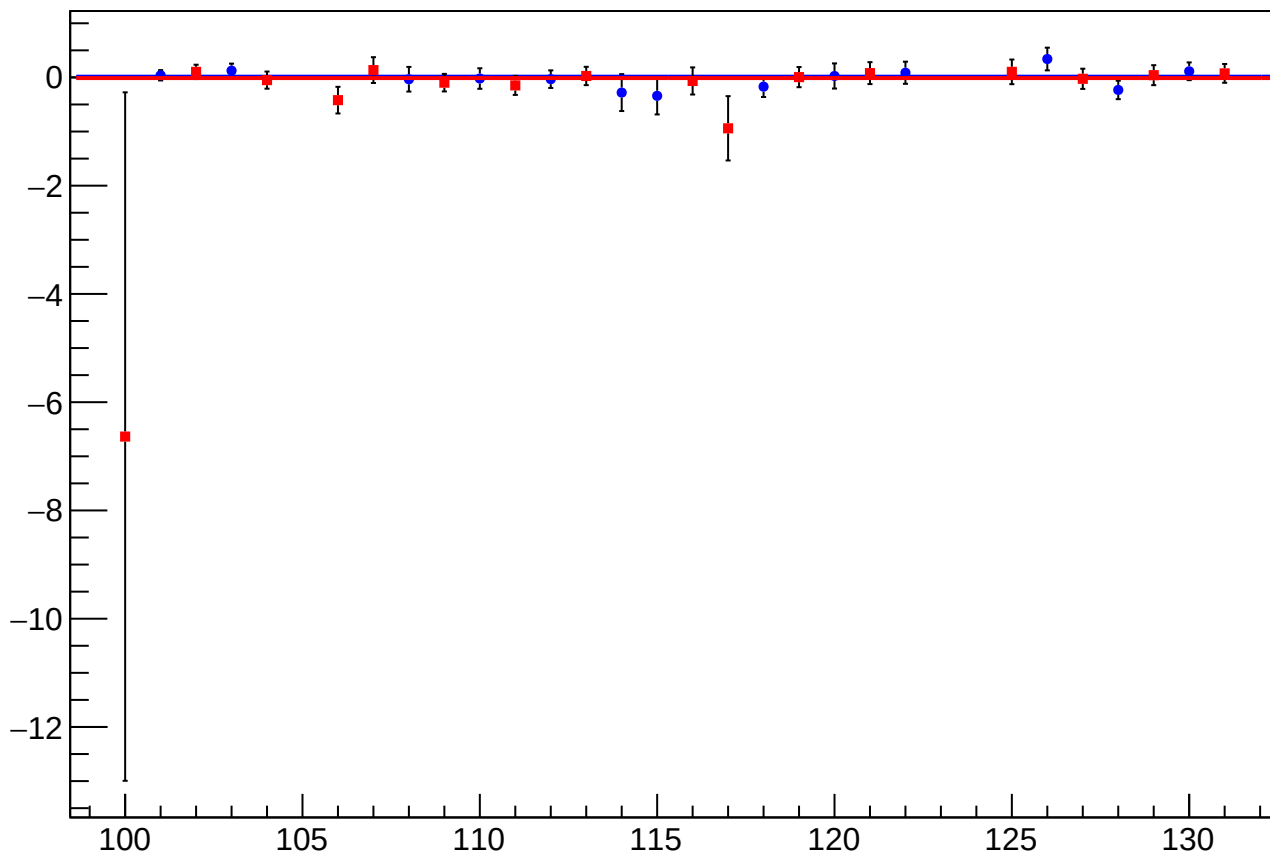
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.023+/-0.026  $\chi^2/\text{NDF}$ : 10.4/12

0.027+/-0.019  $\chi^2/\text{NDF}$ : 30.0/28

0.087+/-0.028  $\chi^2/\text{NDF}$ : 11.2/15

reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.013+/-0.048     $\chi^2/\text{NDF}$ : 8.7/12

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.012+/-0.049     $\chi^2/\text{NDF}$ : 9.2/15

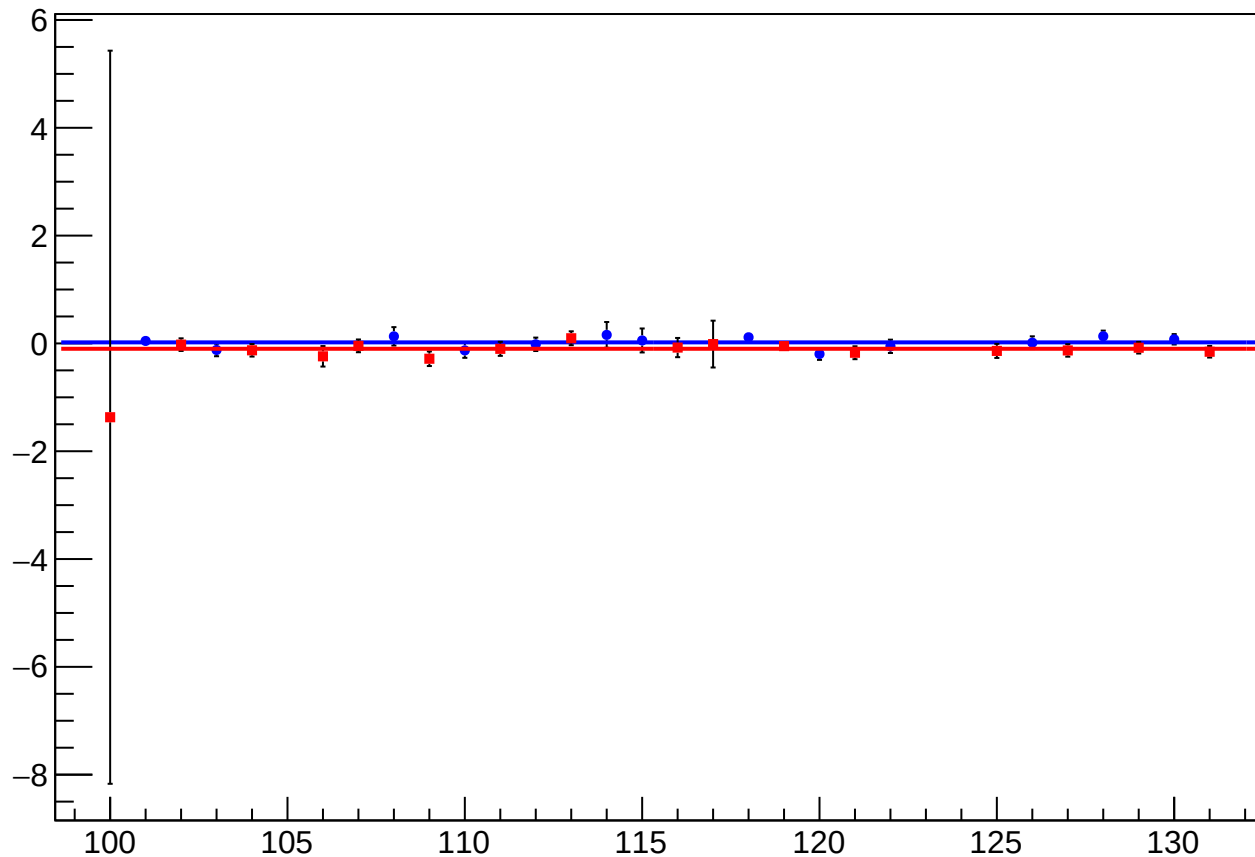
Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

0.013+/-0.048     $\chi^2/\text{NDF}$ : 8.7/12

0.001+/-0.034     $\chi^2/\text{NDF}$ : 18.0/28

-0.012+/-0.049     $\chi^2/\text{NDF}$ : 9.2/15

reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.019+/-0.030  $\chi^2/\text{NDF}$ : 10.7/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.099+/-0.032  $\chi^2/\text{NDF}$ : 6.6/15

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

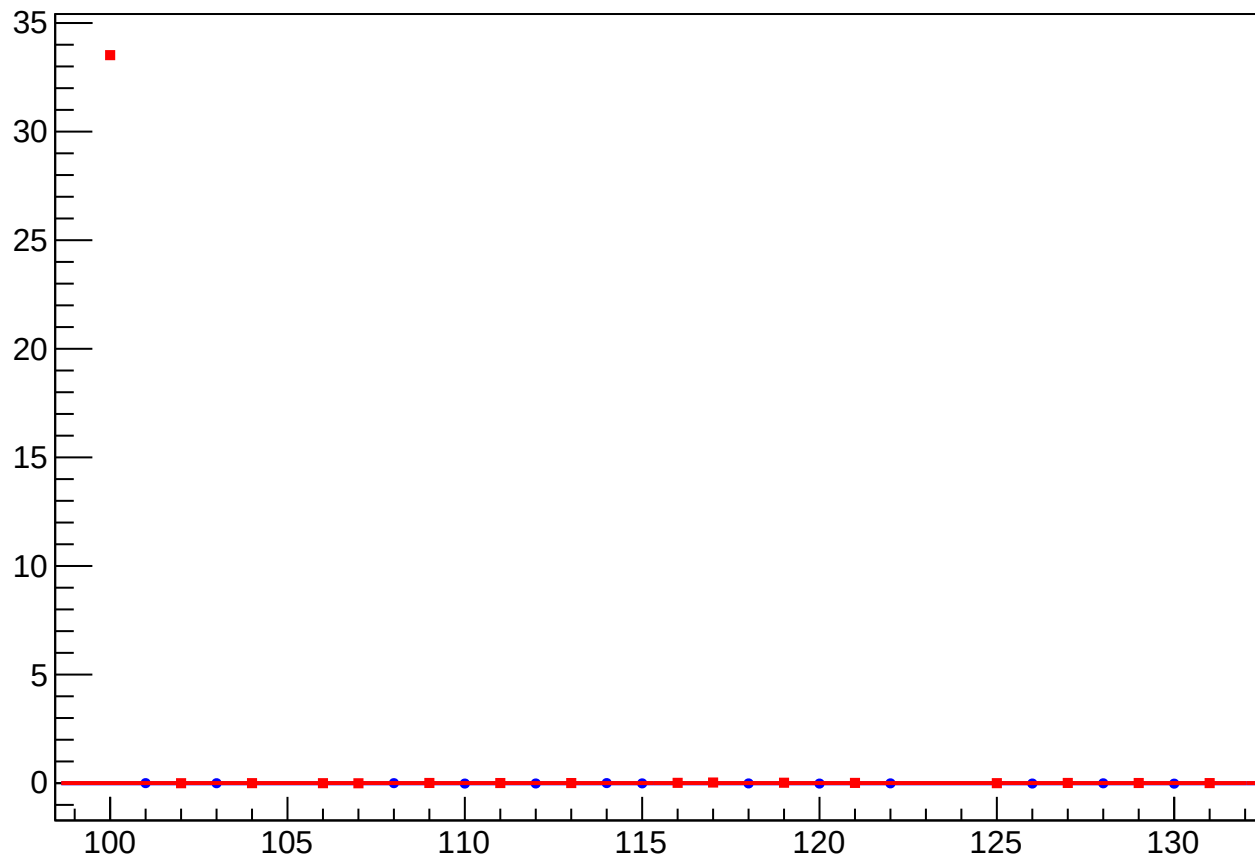
0.019+/-0.030  $\chi^2/\text{NDF}$ : 10.7/12

-0.036+/-0.022  $\chi^2/\text{NDF}$ : 24.5/28

-0.099+/-0.032  $\chi^2/\text{NDF}$ : 6.6/15



reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.005 \pm 0.002$   $\chi^2/\text{NDF}$ : 19.2/12

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.005 \pm 0.002$   $\chi^2/\text{NDF}$ : 26503.1/15

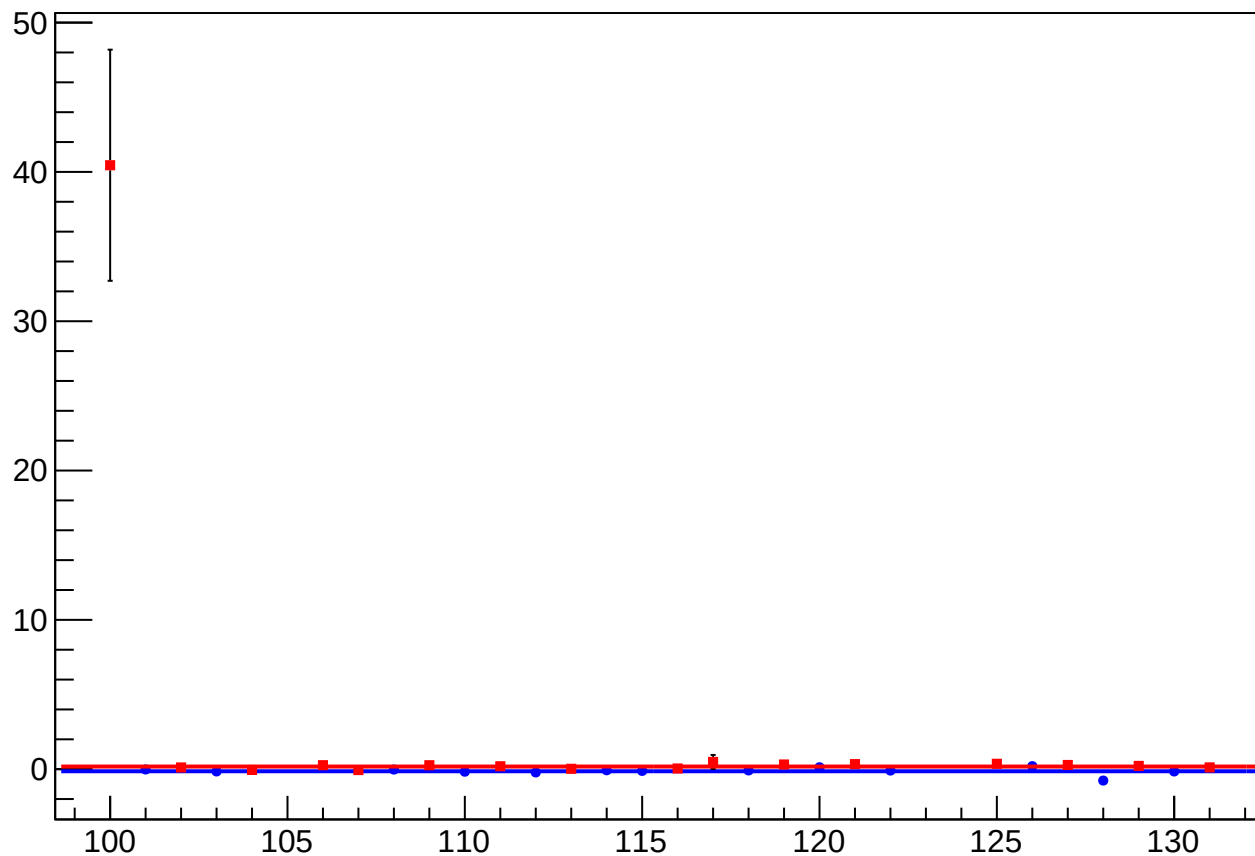
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.005 \pm 0.002$   $\chi^2/\text{NDF}$ : 19.2/12

$-0.000 \pm 0.001$   $\chi^2/\text{NDF}$ : 26540.1/28

$0.005 \pm 0.002$   $\chi^2/\text{NDF}$ : 26503.1/15

reg\_asym\_ds\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.139 \pm 0.044$   $\chi^2/\text{NDF}$ : 24.8/12

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.176 \pm 0.043$   $\chi^2/\text{NDF}$ : 35.9/15

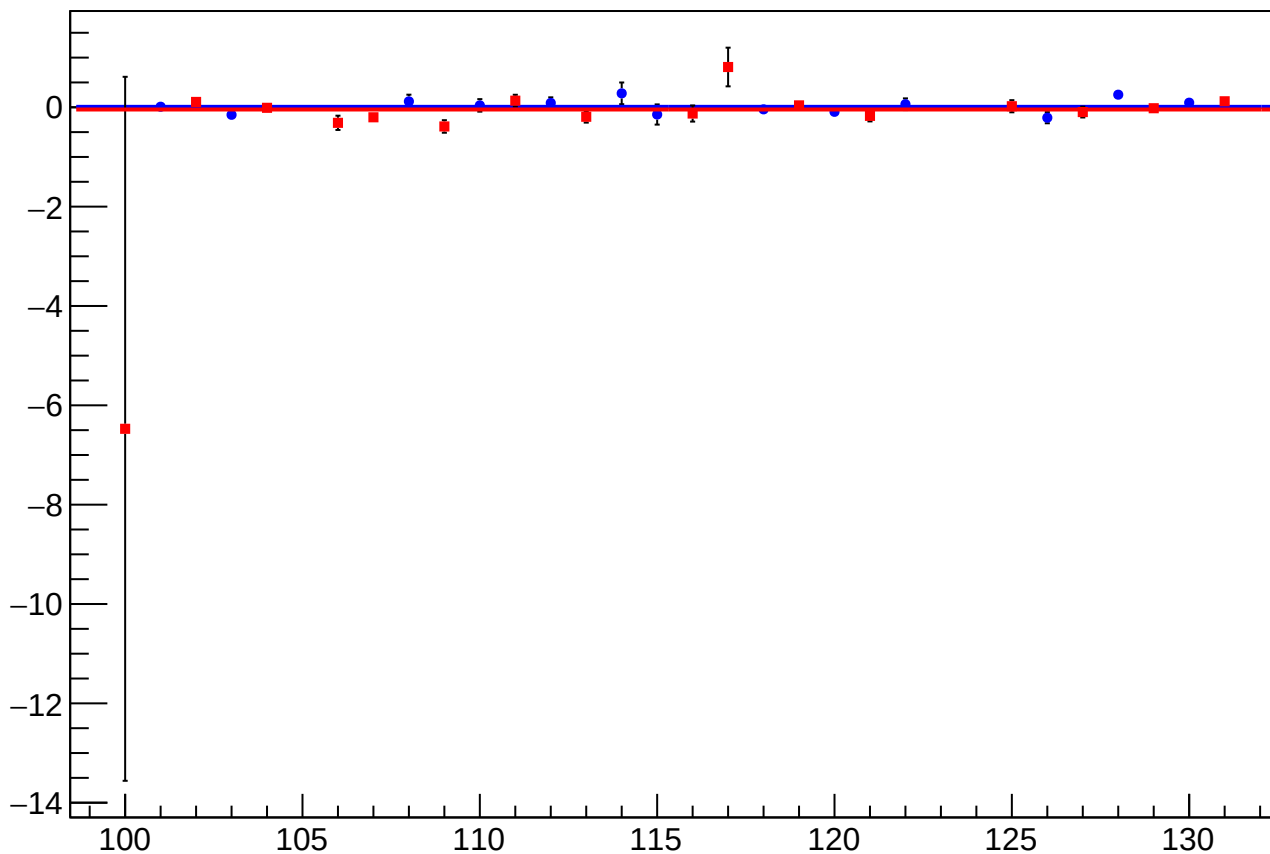
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.139 \pm 0.044$   $\chi^2/\text{NDF}$ : 24.8/12

$0.021 \pm 0.031$   $\chi^2/\text{NDF}$ : 86.7/28

$0.176 \pm 0.043$   $\chi^2/\text{NDF}$ : 35.9/15

reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.009+/-0.026  $\chi^2/\text{NDF}$ : 19.6/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.045+/-0.028  $\chi^2/\text{NDF}$ : 32.2/15

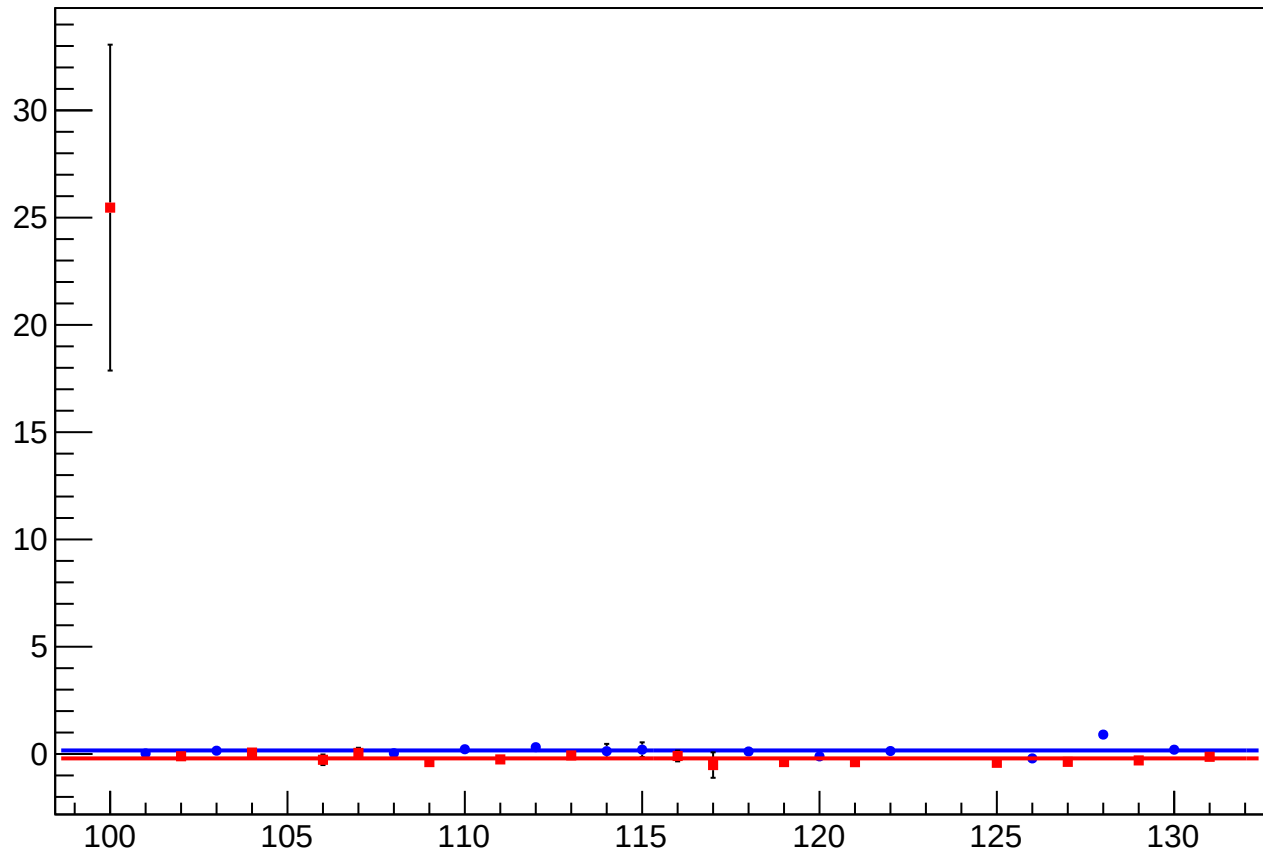
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.009+/-0.026  $\chi^2/\text{NDF}$ : 19.6/12

-0.016+/-0.019  $\chi^2/\text{NDF}$ : 53.8/28

-0.045+/-0.028  $\chi^2/\text{NDF}$ : 32.2/15

reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.166 $\pm$ 0.048  $\chi^2$ /NDF: 26.9/12

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.205 $\pm$ 0.049  $\chi^2$ /NDF: 22.1/15

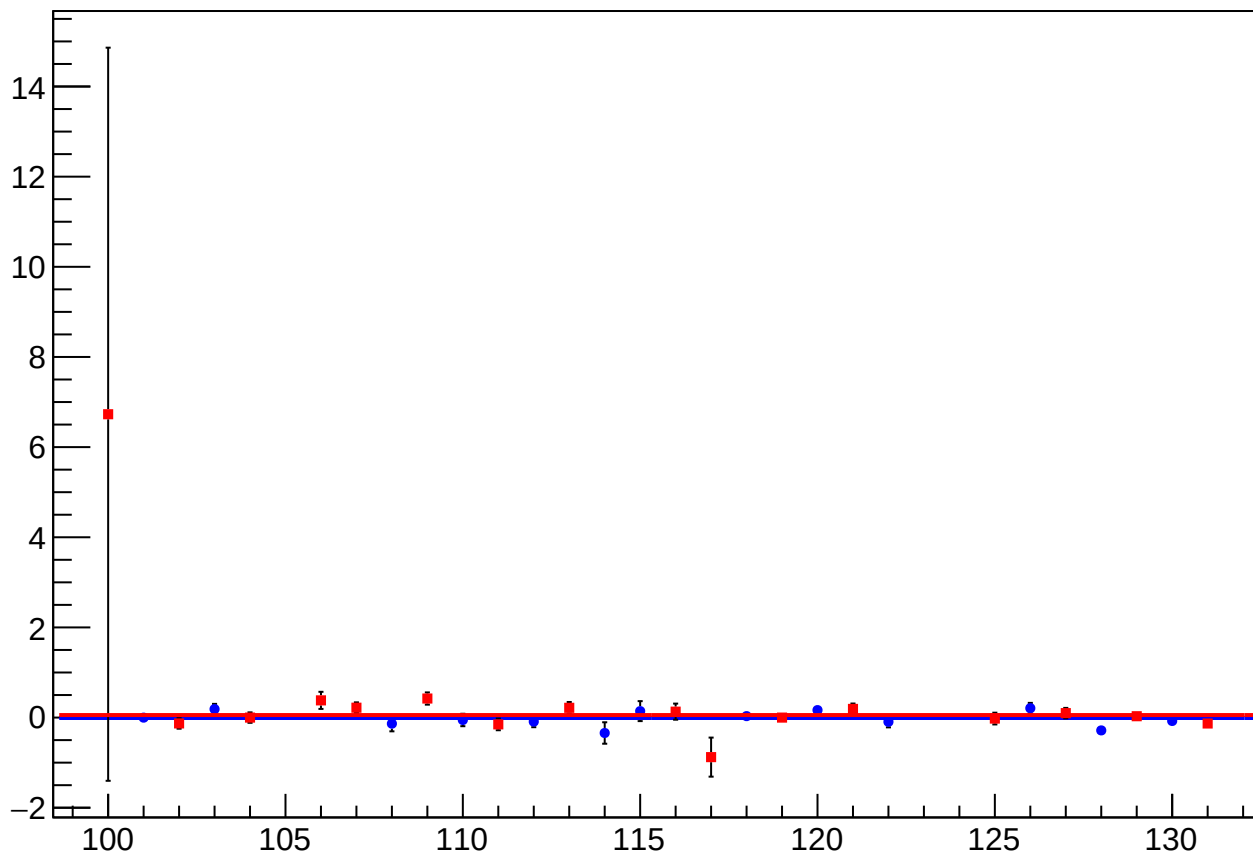
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

0.166 $\pm$ 0.048  $\chi^2$ /NDF: 26.9/12

-0.016 $\pm$ 0.034  $\chi^2$ /NDF: 78.5/28

-0.205 $\pm$ 0.049  $\chi^2$ /NDF: 22.1/15

reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -0.009+/-0.030  $\chi^2/\text{NDF}$ : 20.5/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.056+/-0.032  $\chi^2/\text{NDF}$ : 29.8/15

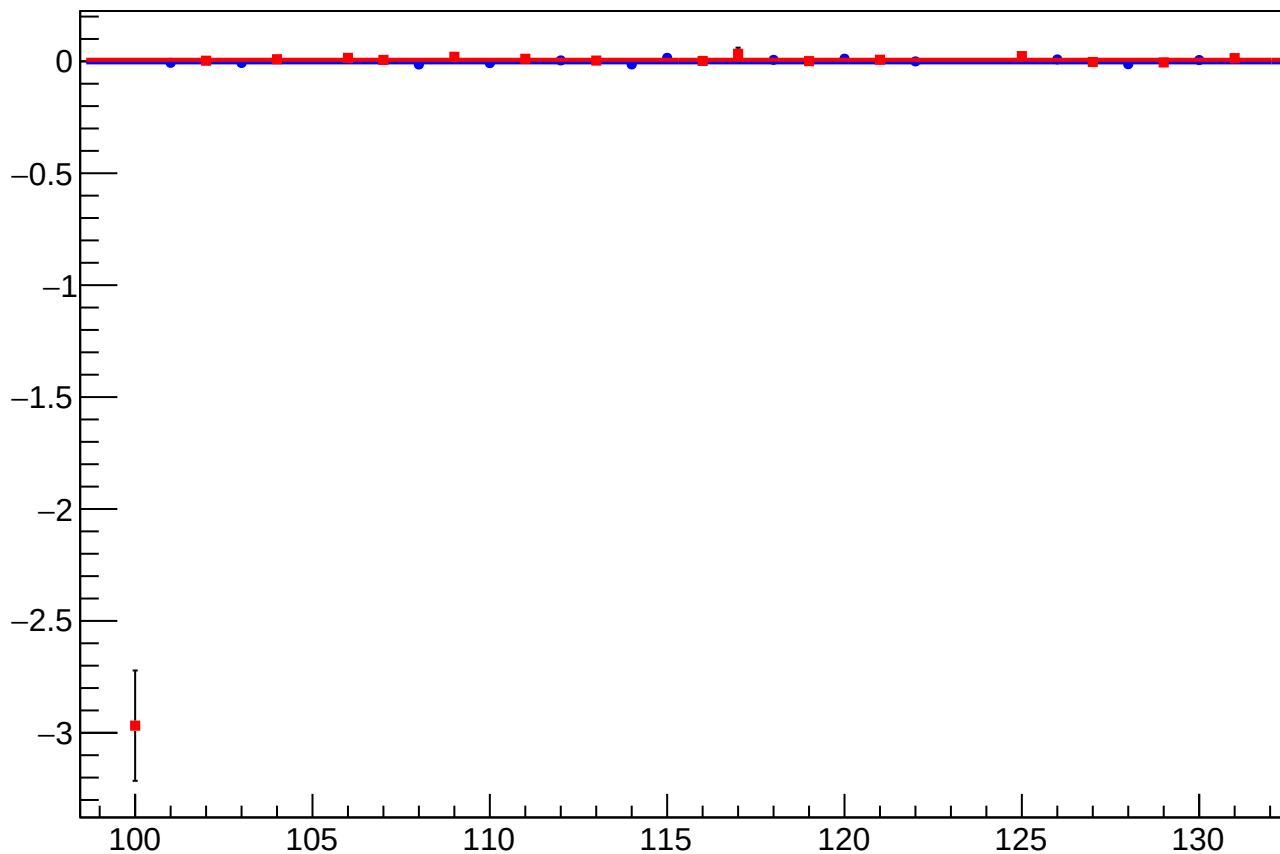
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.009+/-0.030  $\chi^2/\text{NDF}$ : 20.5/12

0.021+/-0.022  $\chi^2/\text{NDF}$ : 52.4/28

0.056+/-0.032  $\chi^2/\text{NDF}$ : 29.8/15

reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.002  $\chi^2$ /NDF: 18.8/12

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.007 $\pm$ 0.002  $\chi^2$ /NDF: 163.0/15

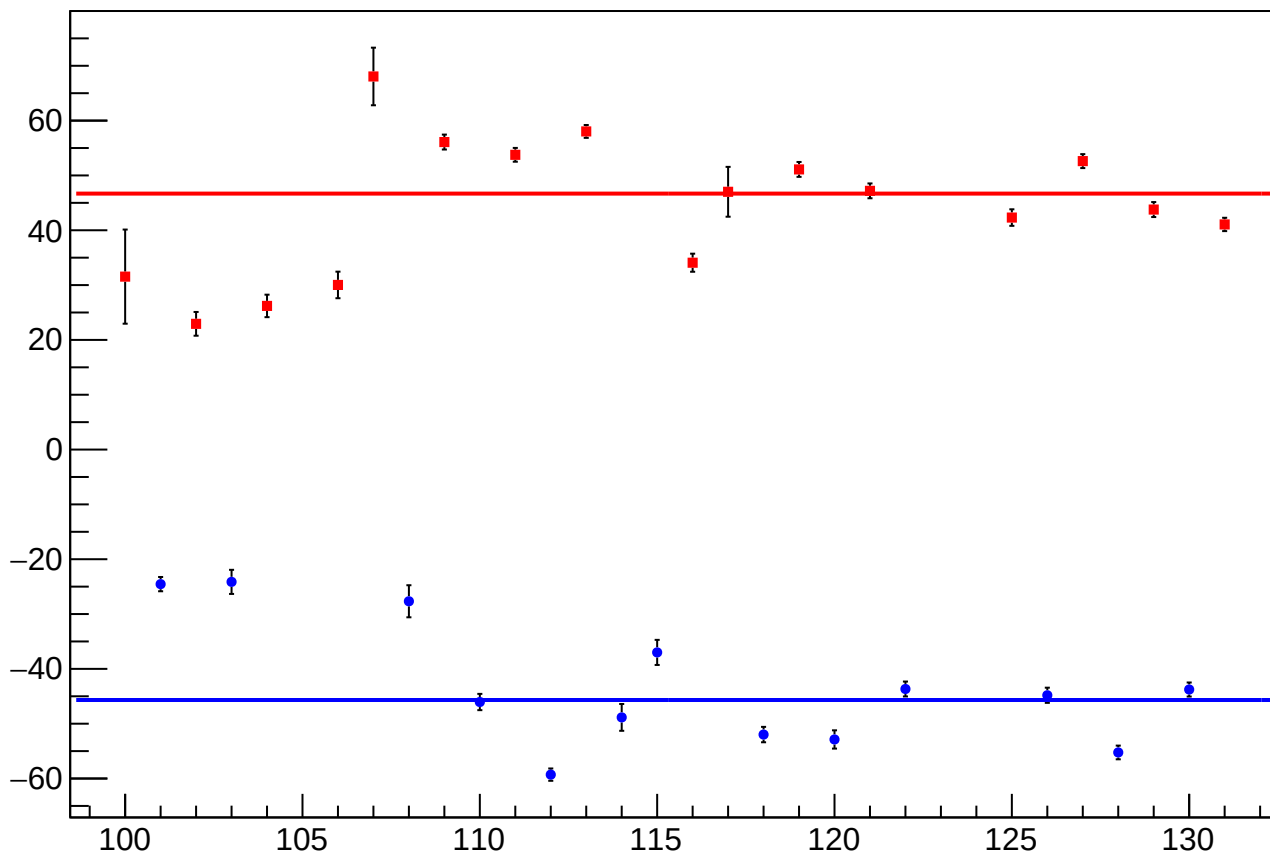
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.005 $\pm$ 0.002  $\chi^2$ /NDF: 18.8/12

0.001 $\pm$ 0.001  $\chi^2$ /NDF: 207.7/28

0.007 $\pm$ 0.002  $\chi^2$ /NDF: 163.0/15

reg\_asym\_left\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -45.679+/-0.419  $\chi^2/\text{NDF}$ : 662.6/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 46.687+/-0.397  $\chi^2/\text{NDF}$ : 584.8/15

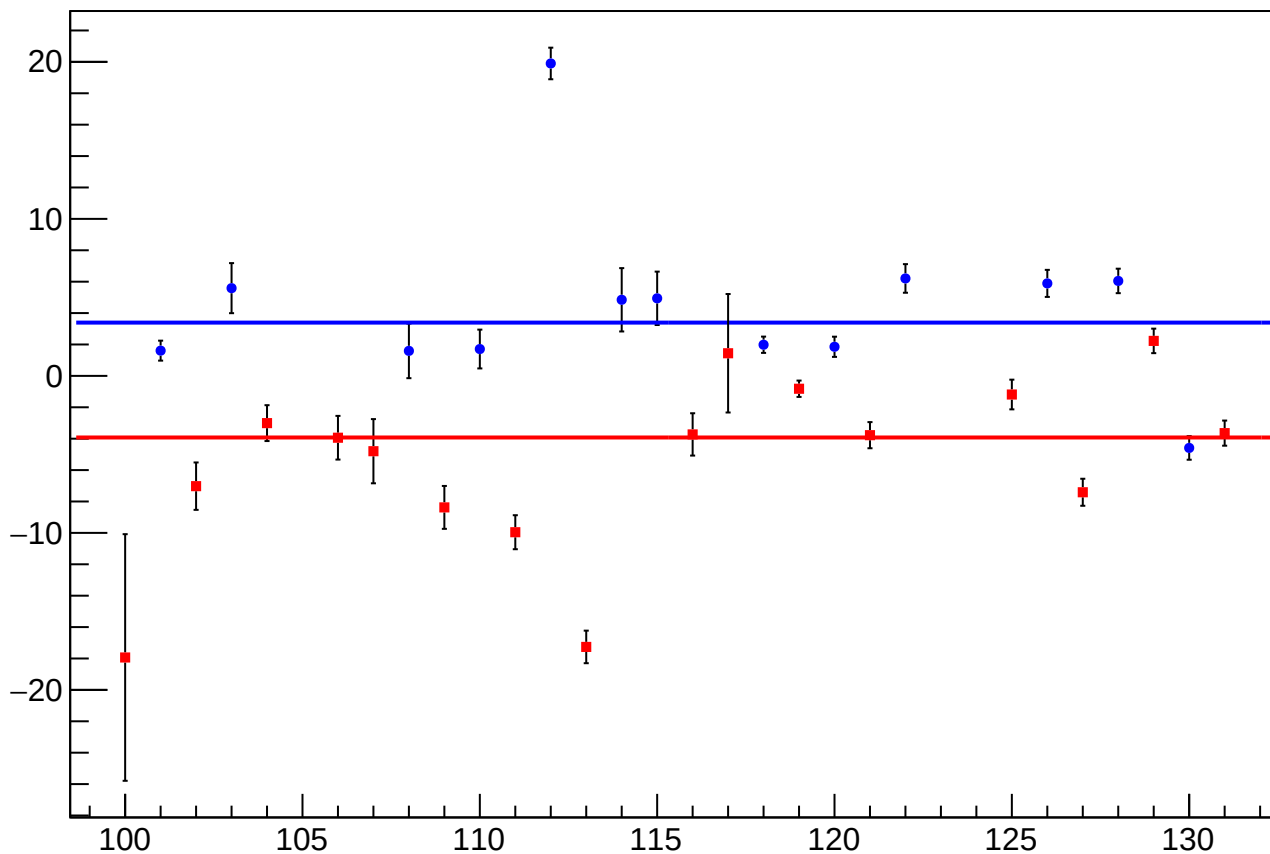
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-45.679+/-0.419  $\chi^2/\text{NDF}$ : 662.6/12

2.986+/-0.288  $\chi^2/\text{NDF}$ : 26859.8/28

46.687+/-0.397  $\chi^2/\text{NDF}$ : 584.8/15

reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.393+/-0.239  $\chi^2/\text{NDF}$ : 438.6/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.924+/-0.252  $\chi^2/\text{NDF}$ : 340.0/15

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

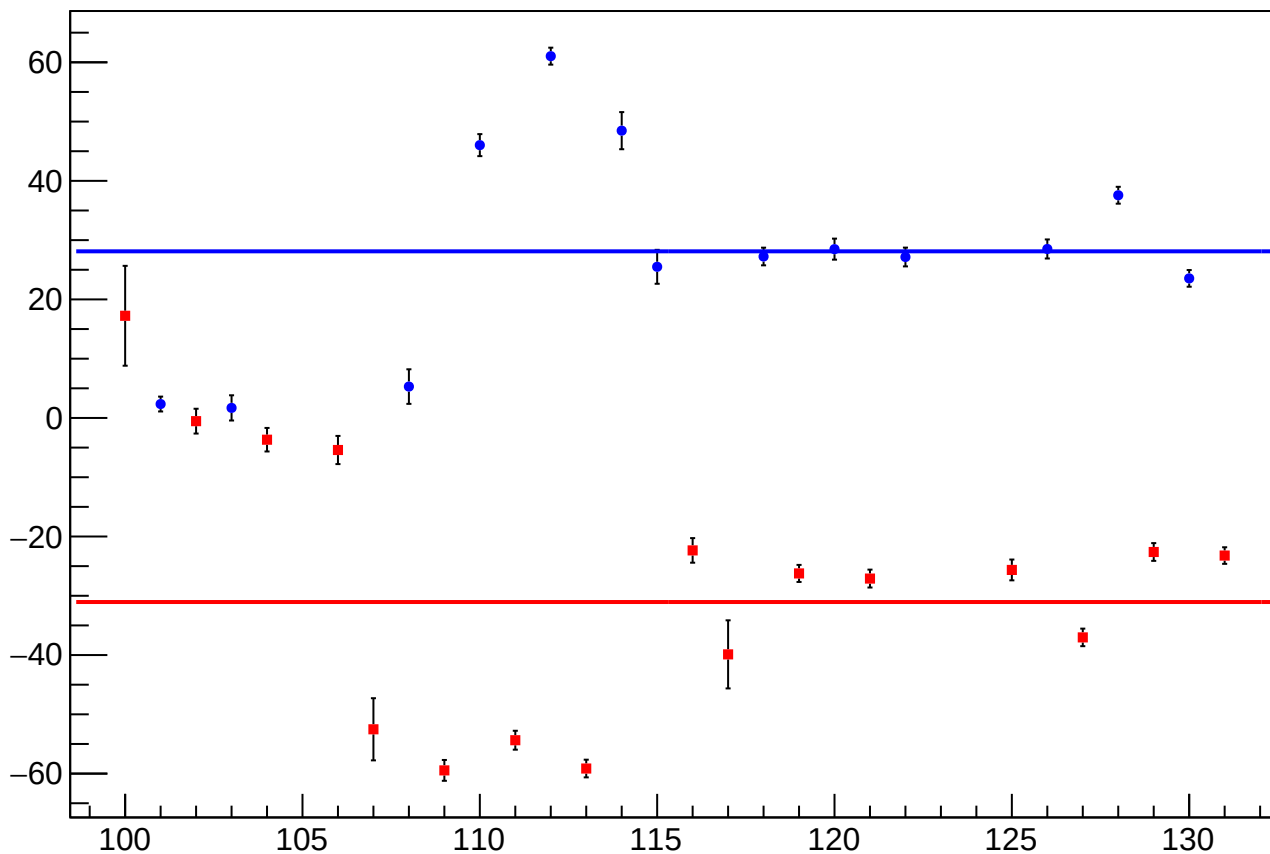
3.393+/-0.239  $\chi^2/\text{NDF}$ : 438.6/12

-0.067+/-0.173  $\chi^2/\text{NDF}$ : 1222.3/28

-3.924+/-0.252  $\chi^2/\text{NDF}$ : 340.0/15



reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.470  $\chi^2$ /NDF: 1358.5/12

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -31.053+/-0.456  $\chi^2$ /NDF: 1525.6/15

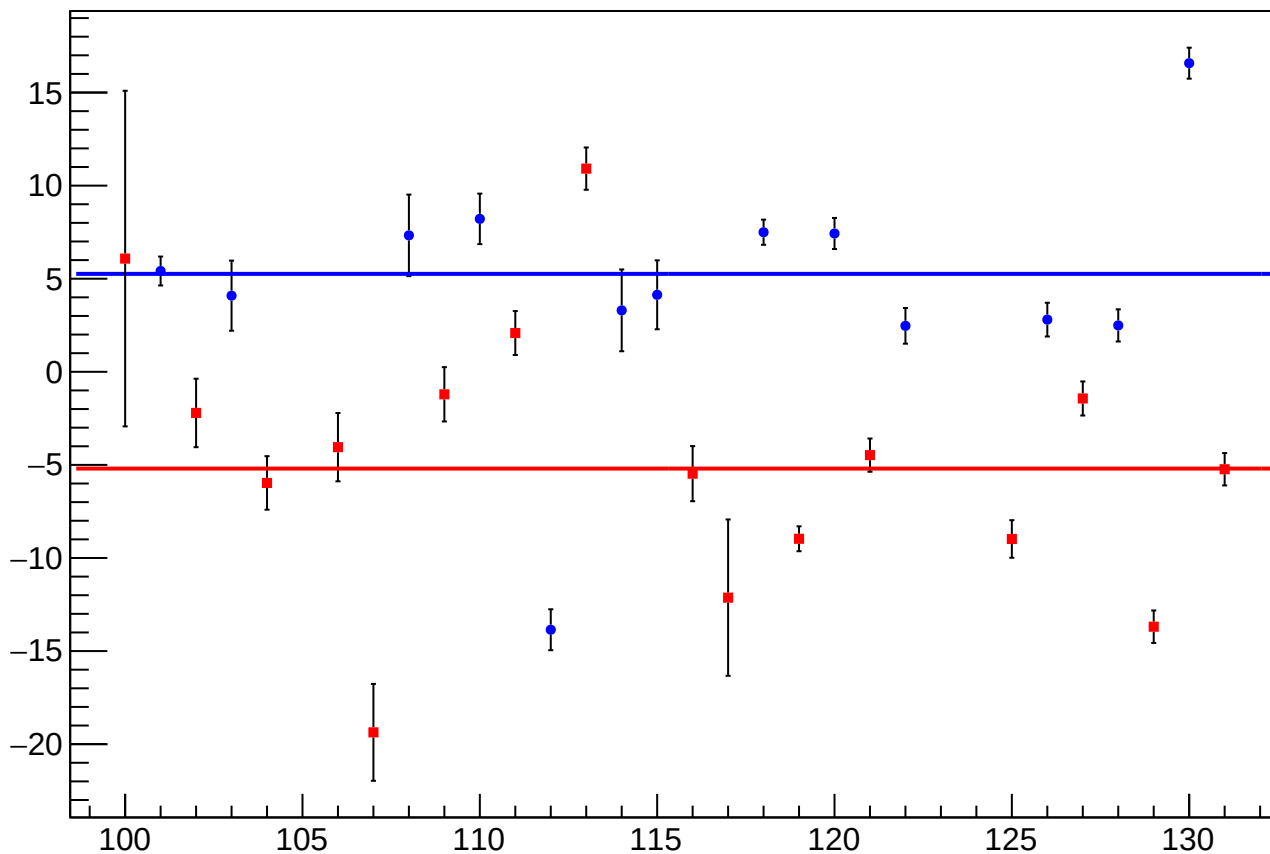
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

28.112+/-0.470  $\chi^2$ /NDF: 1358.5/12

-2.329+/-0.327  $\chi^2$ /NDF: 11040.2/28

-31.053+/-0.456  $\chi^2$ /NDF: 1525.6/15

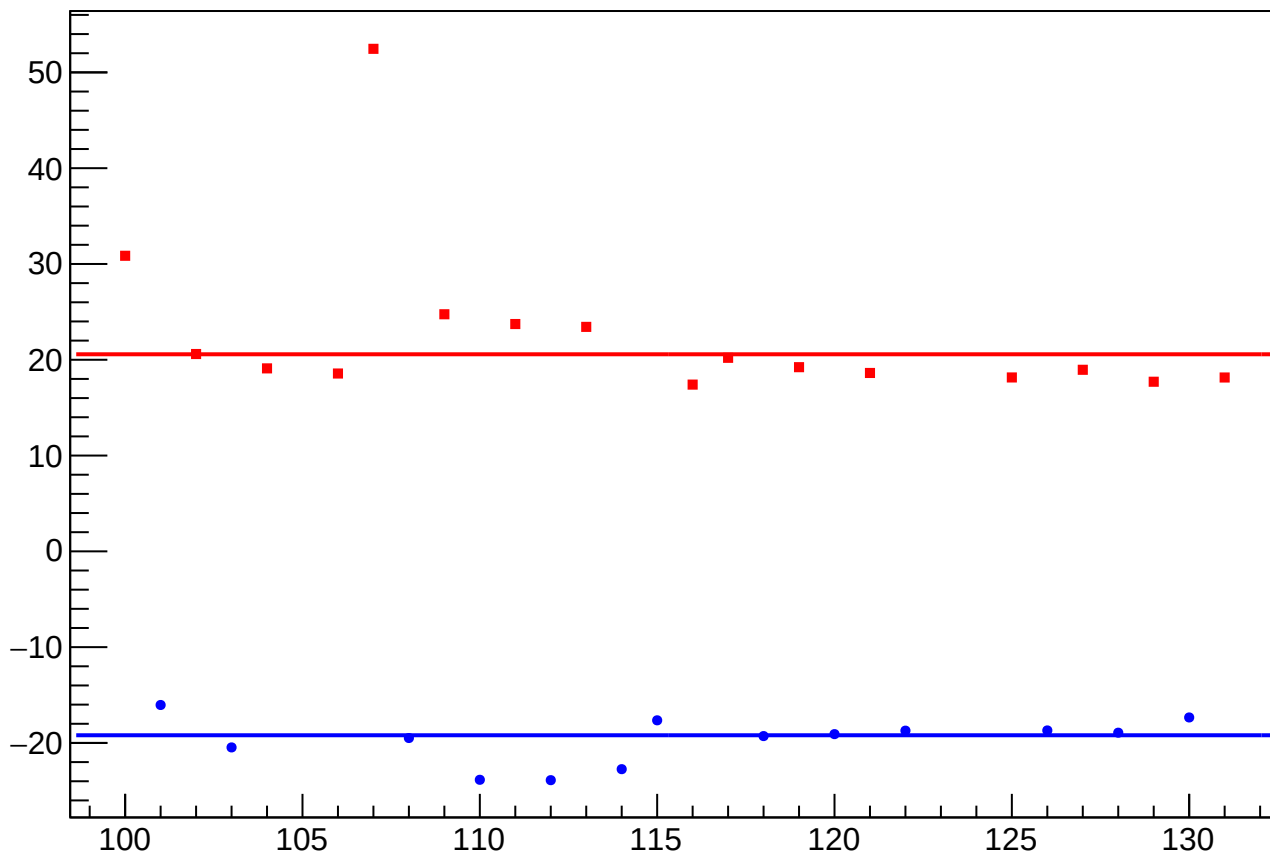
reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.261+/-0.280  $\chi^2/\text{NDF}$ : 538.1/12  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -5.198+/-0.288  $\chi^2/\text{NDF}$ : 442.3/15  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.261+/-0.280  $\chi^2/\text{NDF}$ : 538.1/12  
 0.182+/-0.201  $\chi^2/\text{NDF}$ : 1656.6/28  
 -5.198+/-0.288  $\chi^2/\text{NDF}$ : 442.3/15

reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.198 \pm 0.018$   $\chi^2/\text{NDF}$ : 15030.4/12

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $20.573 \pm 0.018$   $\chi^2/\text{NDF}$ : 87111.1/15

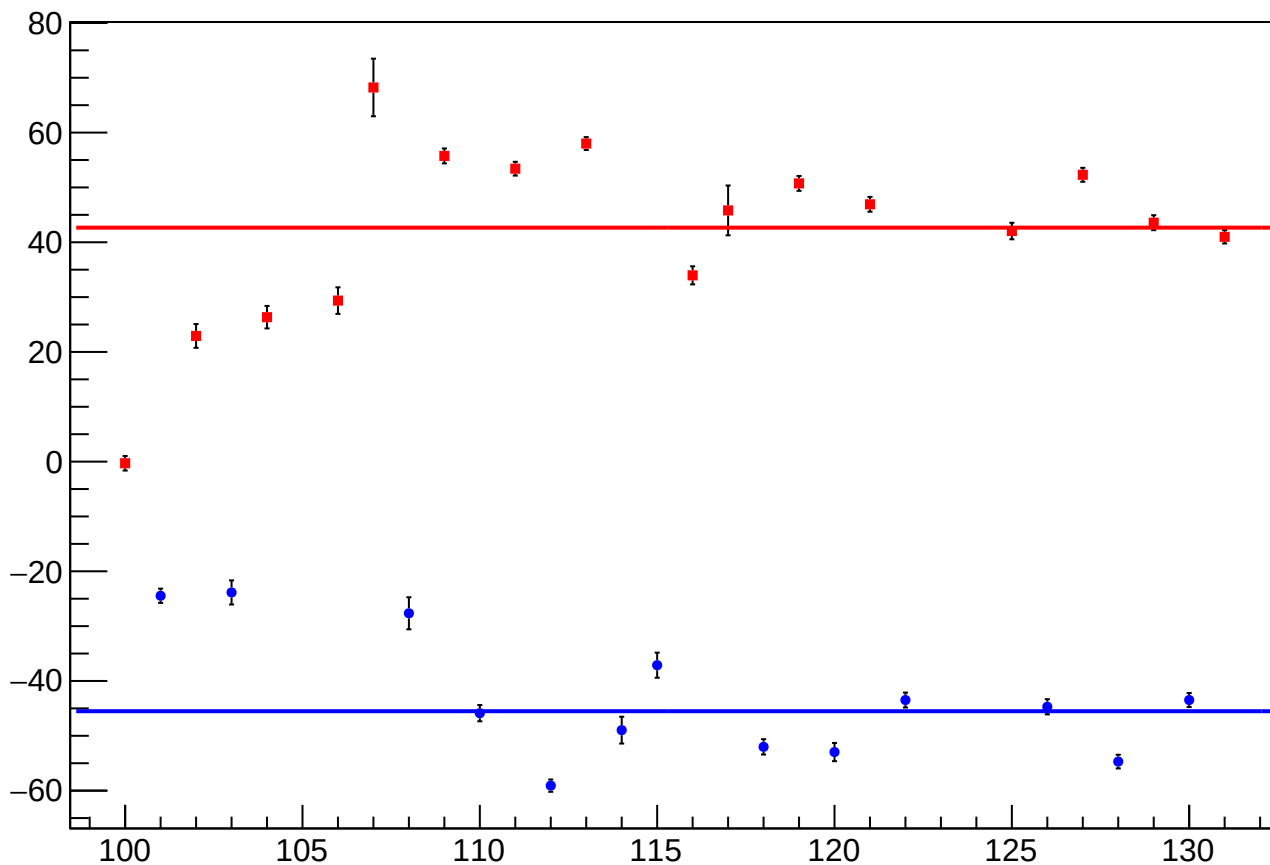
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-19.198 \pm 0.018$   $\chi^2/\text{NDF}$ : 15030.4/12

$1.247 \pm 0.013$   $\chi^2/\text{NDF}$ : 2551333.6/28

$20.573 \pm 0.018$   $\chi^2/\text{NDF}$ : 87111.1/15

reg\_asym\_left\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-45.514 \pm 0.419$   $\chi^2/\text{NDF}$ : 658.4/12

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $42.667 \pm 0.381$   $\chi^2/\text{NDF}$ : 1714.4/15

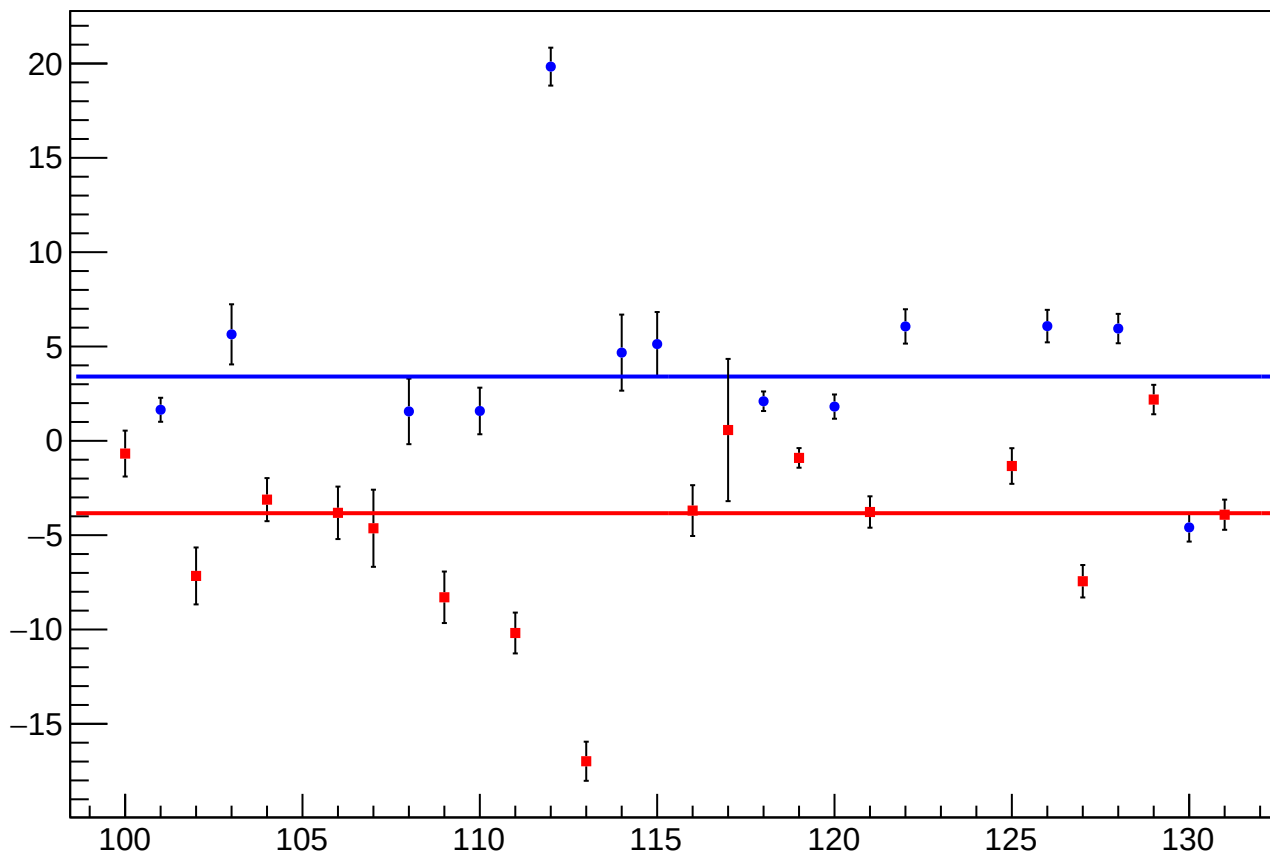
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-45.514 \pm 0.419$   $\chi^2/\text{NDF}$ : 658.4/12

$2.776 \pm 0.282$   $\chi^2/\text{NDF}$ : 26668.4/28

$42.667 \pm 0.381$   $\chi^2/\text{NDF}$ : 1714.4/15

reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.408+/-0.239  $\chi^2/\text{NDF}$ : 436.0/12

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.835+/-0.247  $\chi^2/\text{NDF}$ : 335.6/15

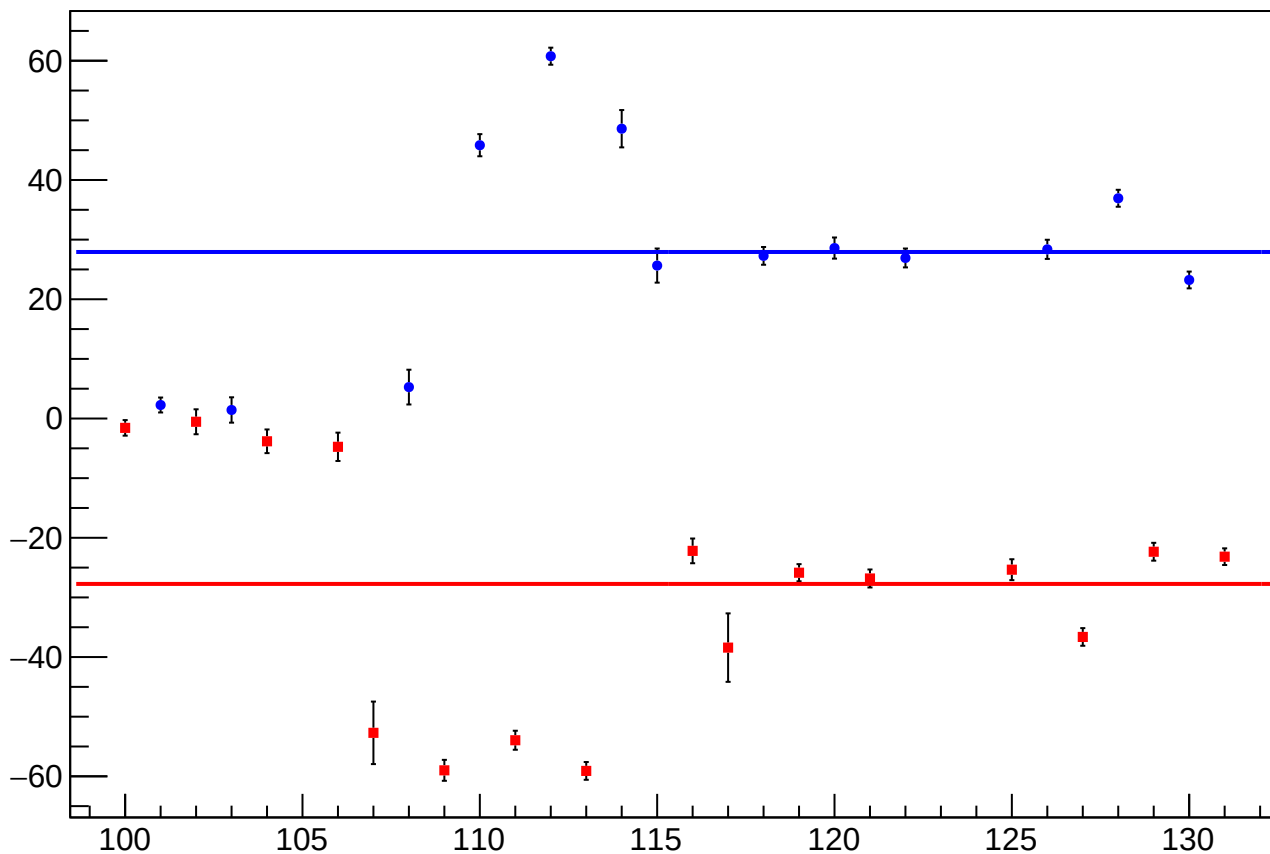
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.408+/-0.239  $\chi^2/\text{NDF}$ : 436.0/12

-0.092+/-0.172  $\chi^2/\text{NDF}$ : 1216.4/28

-3.835+/-0.247  $\chi^2/\text{NDF}$ : 335.6/15

reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 27.927+/-0.470  $\chi^2$ /NDF: 1351.2/12

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -27.737+/-0.431  $\chi^2$ /NDF: 1937.0/15

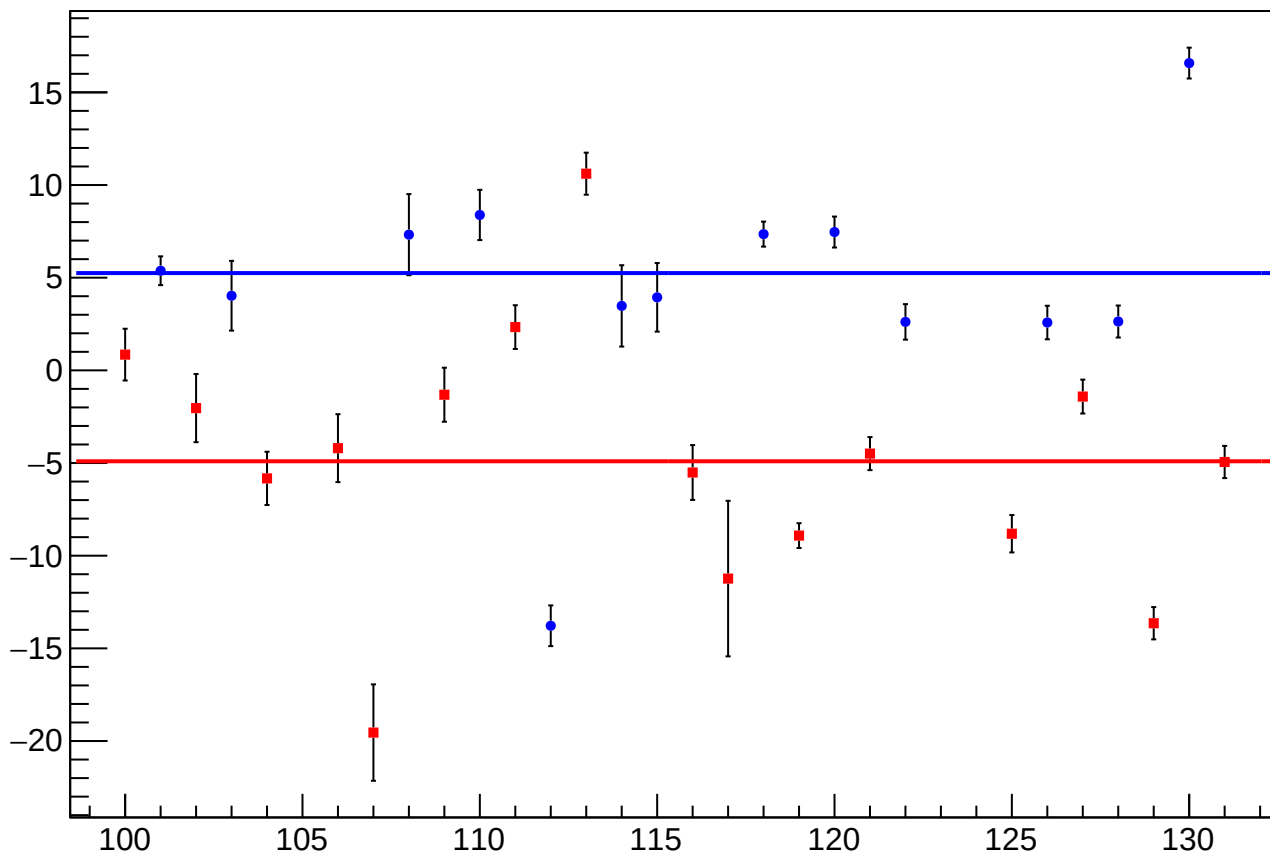
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

27.927+/-0.470  $\chi^2$ /NDF: 1351.2/12

-2.277+/-0.318  $\chi^2$ /NDF: 10912.1/28

-27.737+/-0.431  $\chi^2$ /NDF: 1937.0/15

reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.249 $\pm$ 0.280  $\chi^2$ /NDF: 535.4/12

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -4.905 $\pm$ 0.282  $\chi^2$ /NDF: 451.1/15

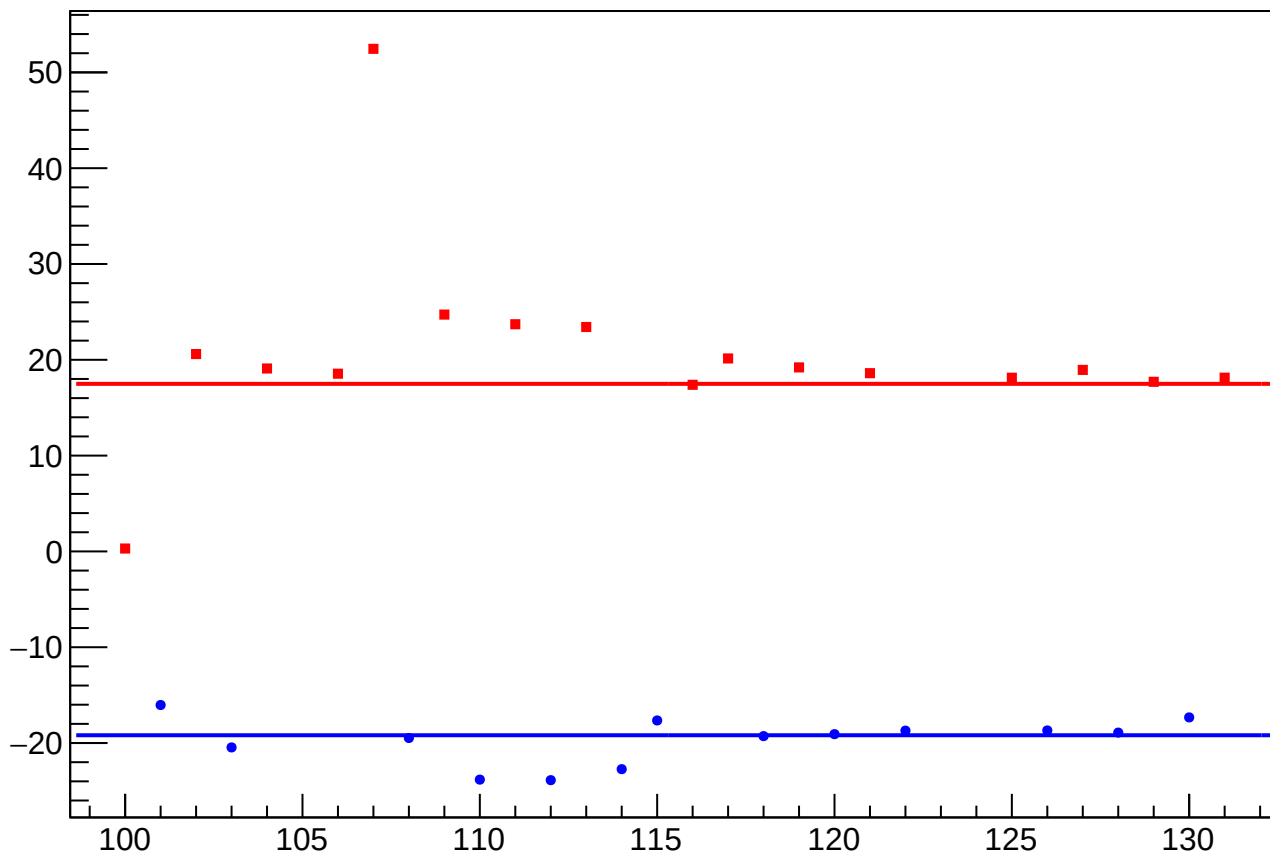
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

5.249 $\pm$ 0.280  $\chi^2$ /NDF: 535.4/12

0.214 $\pm$ 0.199  $\chi^2$ /NDF: 1638.3/28

-4.905 $\pm$ 0.282  $\chi^2$ /NDF: 451.1/15

reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.188 \pm 0.018$   $\chi^2/\text{NDF}: 15018.0/12$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $17.490 \pm 0.016$   $\chi^2/\text{NDF}: 280180.1/15$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

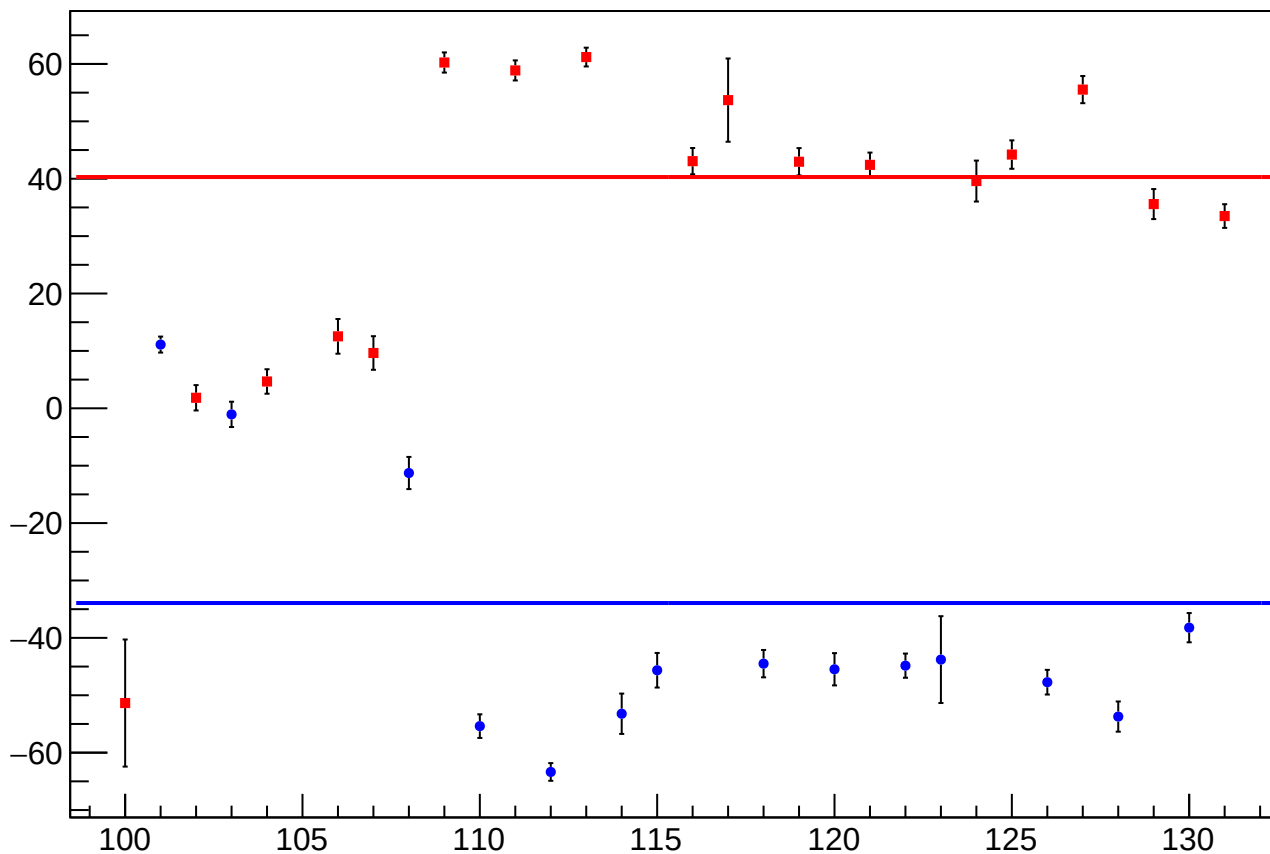
$-19.188 \pm 0.018$   $\chi^2/\text{NDF}: 15018.0/12$

$1.109 \pm 0.012$   $\chi^2/\text{NDF}: 2540295.5/28$

$17.490 \pm 0.016$   $\chi^2/\text{NDF}: 280180.1/15$



reg\_asym\_right\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -33.926+/-0.603  $\chi^2/\text{NDF}$ : 2013.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.298+/-0.569  $\chi^2/\text{NDF}$ : 1314.4/16

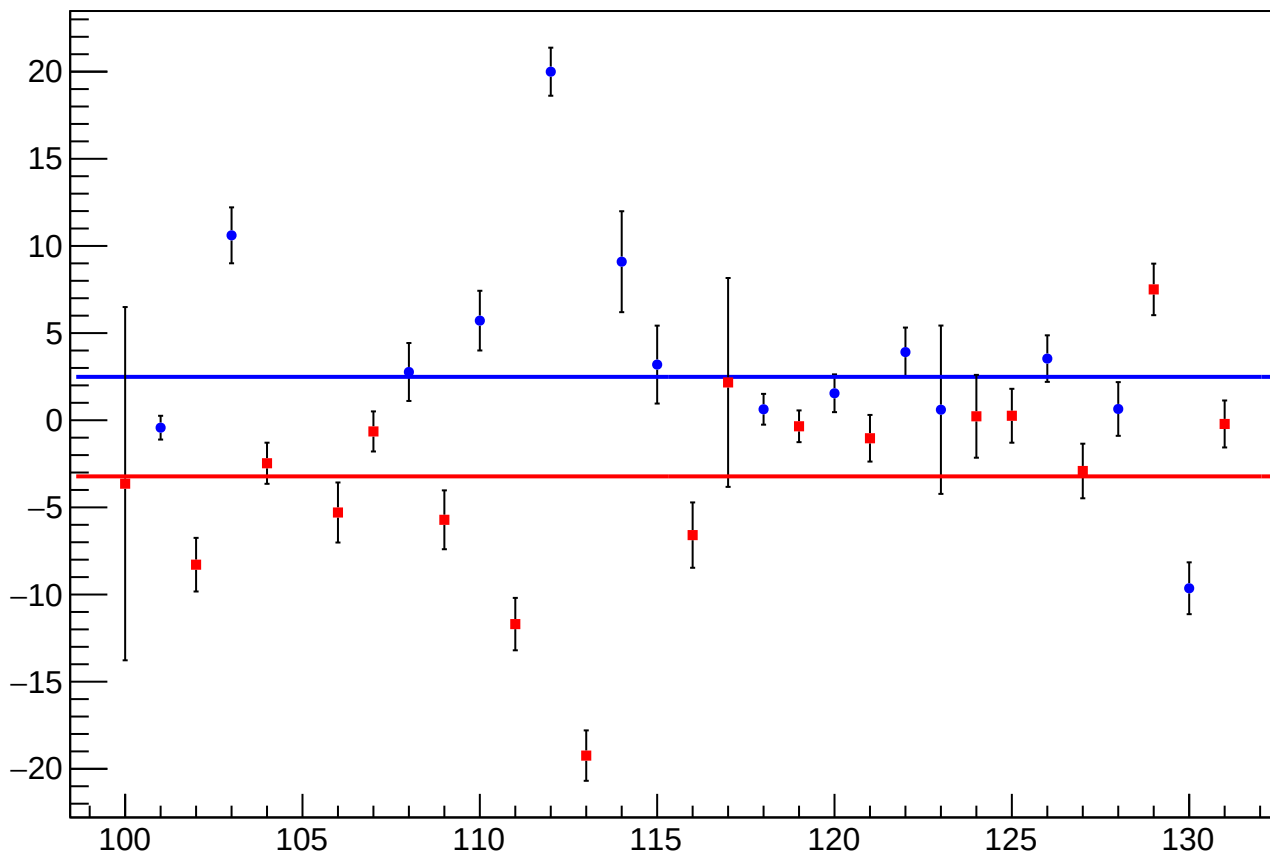
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-33.926+/-0.603  $\chi^2/\text{NDF}$ : 2013.2/13

5.313+/-0.414  $\chi^2/\text{NDF}$ : 11350.8/30

40.298+/-0.569  $\chi^2/\text{NDF}$ : 1314.4/16

reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.489+/-0.349  $\chi^2/\text{NDF}$ : 288.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.221+/-0.363  $\chi^2/\text{NDF}$ : 255.9/16

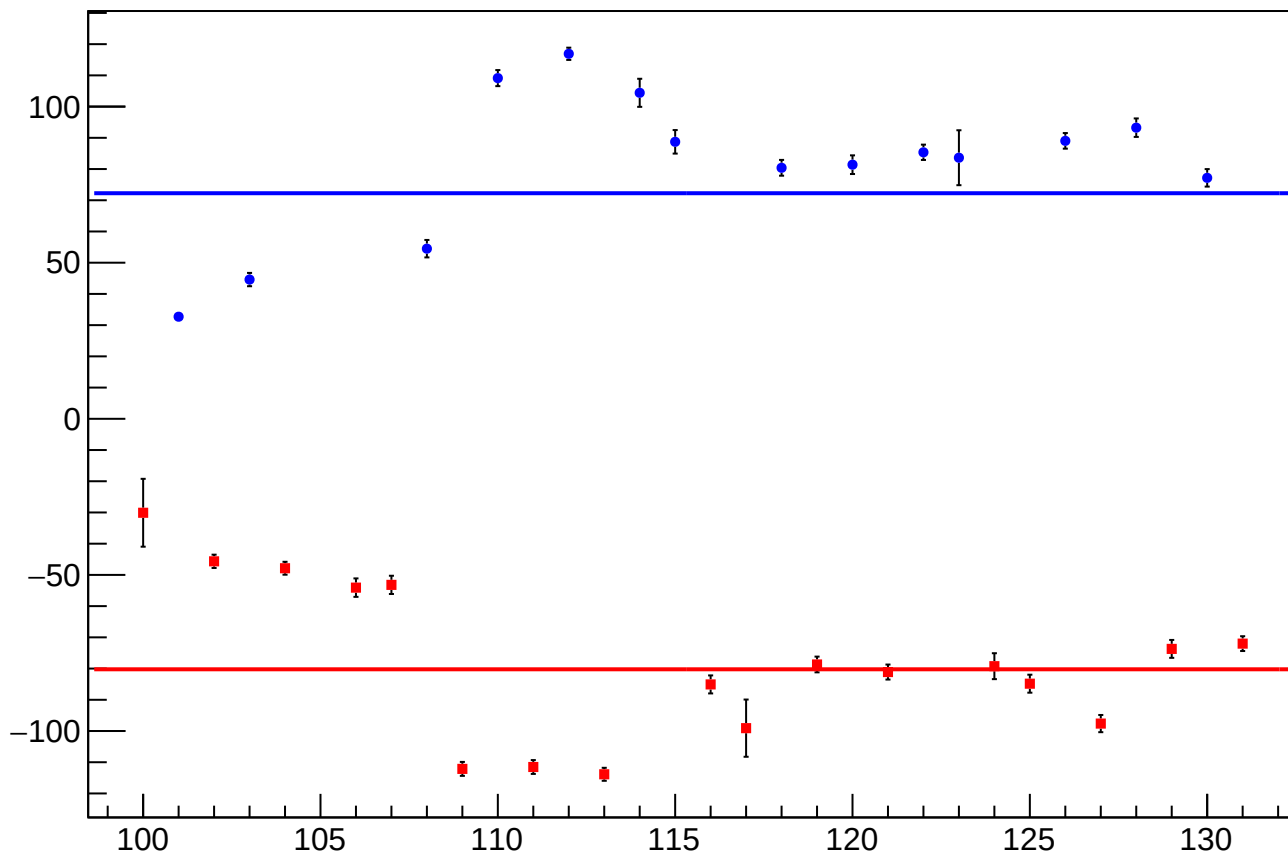
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.489+/-0.349  $\chi^2/\text{NDF}$ : 288.9/13

-0.258+/-0.252  $\chi^2/\text{NDF}$ : 673.5/30

-3.221+/-0.363  $\chi^2/\text{NDF}$ : 255.9/16

reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 72.254+/-0.662  $\chi^2$ /NDF: 2015.9/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -80.233+/-0.645  $\chi^2$ /NDF: 1425.5/16

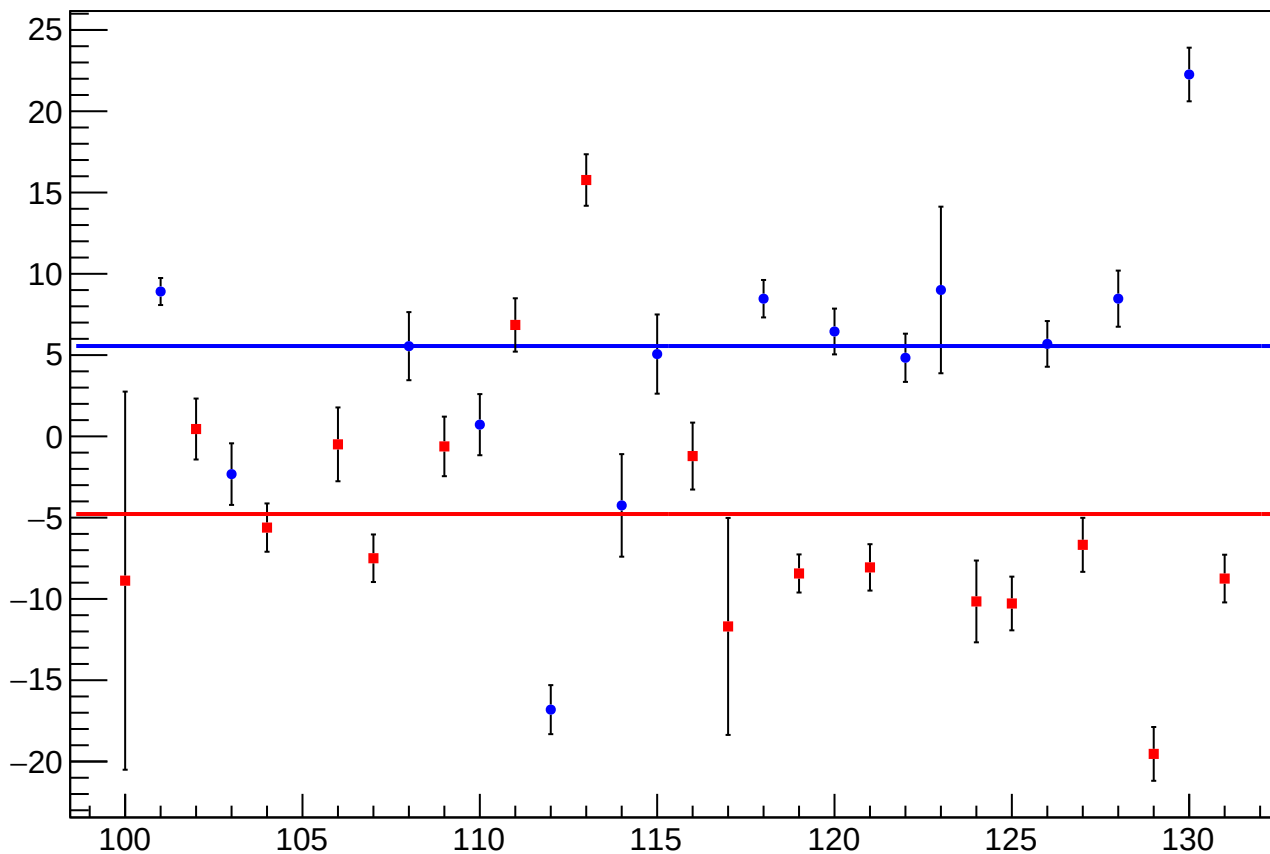
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

72.254+/-0.662  $\chi^2$ /NDF: 2015.9/13

-5.976+/-0.462  $\chi^2$ /NDF: 30639.2/30

-80.233+/-0.645  $\chi^2$ /NDF: 1425.5/16

reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.558+/-0.412  $\chi^2/\text{NDF}$ : 382.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.776+/-0.420  $\chi^2/\text{NDF}$ : 361.6/16

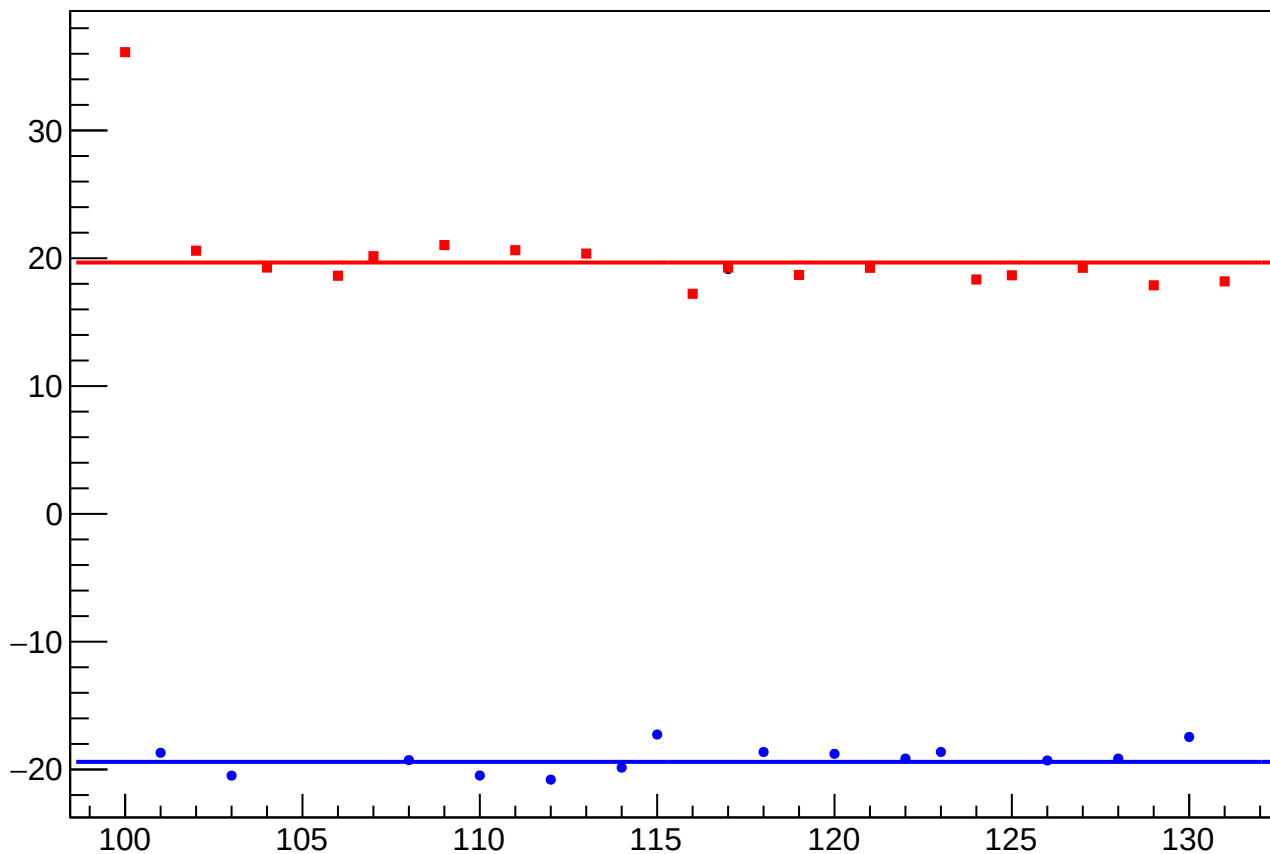
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.558+/-0.412  $\chi^2/\text{NDF}$ : 382.8/13

0.496+/-0.294  $\chi^2/\text{NDF}$ : 1053.3/30

-4.776+/-0.420  $\chi^2/\text{NDF}$ : 361.6/16

reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.403+/-0.023  $\chi^2/\text{NDF}$ : 1556.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.668+/-0.022  $\chi^2/\text{NDF}$ : 4141.8/16

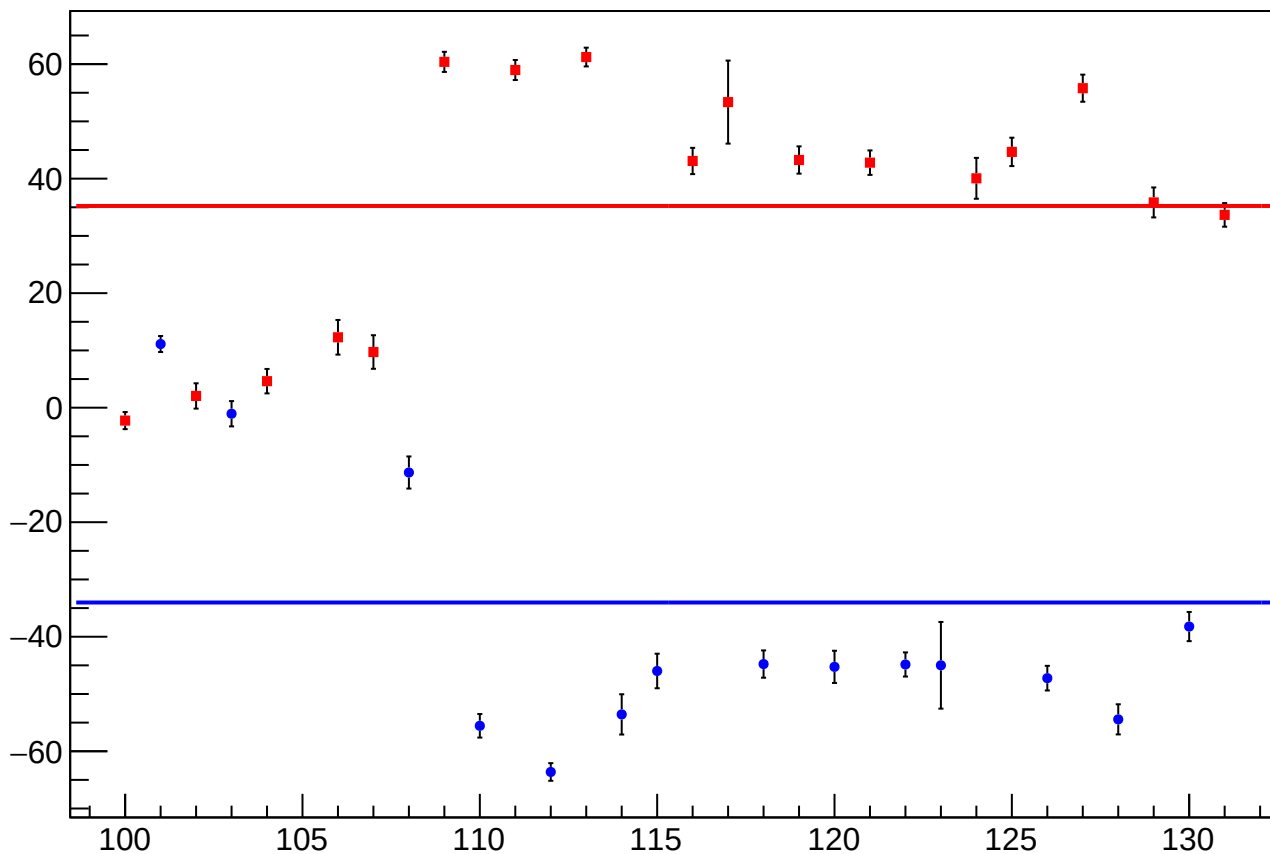
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-19.403+/-0.023  $\chi^2/\text{NDF}$ : 1556.9/13

1.159+/-0.016  $\chi^2/\text{NDF}$ : 1470491.3/30

19.668+/-0.022  $\chi^2/\text{NDF}$ : 4141.8/16

reg\_asym\_right\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -34.022+/-0.603  $\chi^2/\text{NDF}$ : 2024.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 35.227+/-0.532  $\chi^2/\text{NDF}$ : 1970.3/16

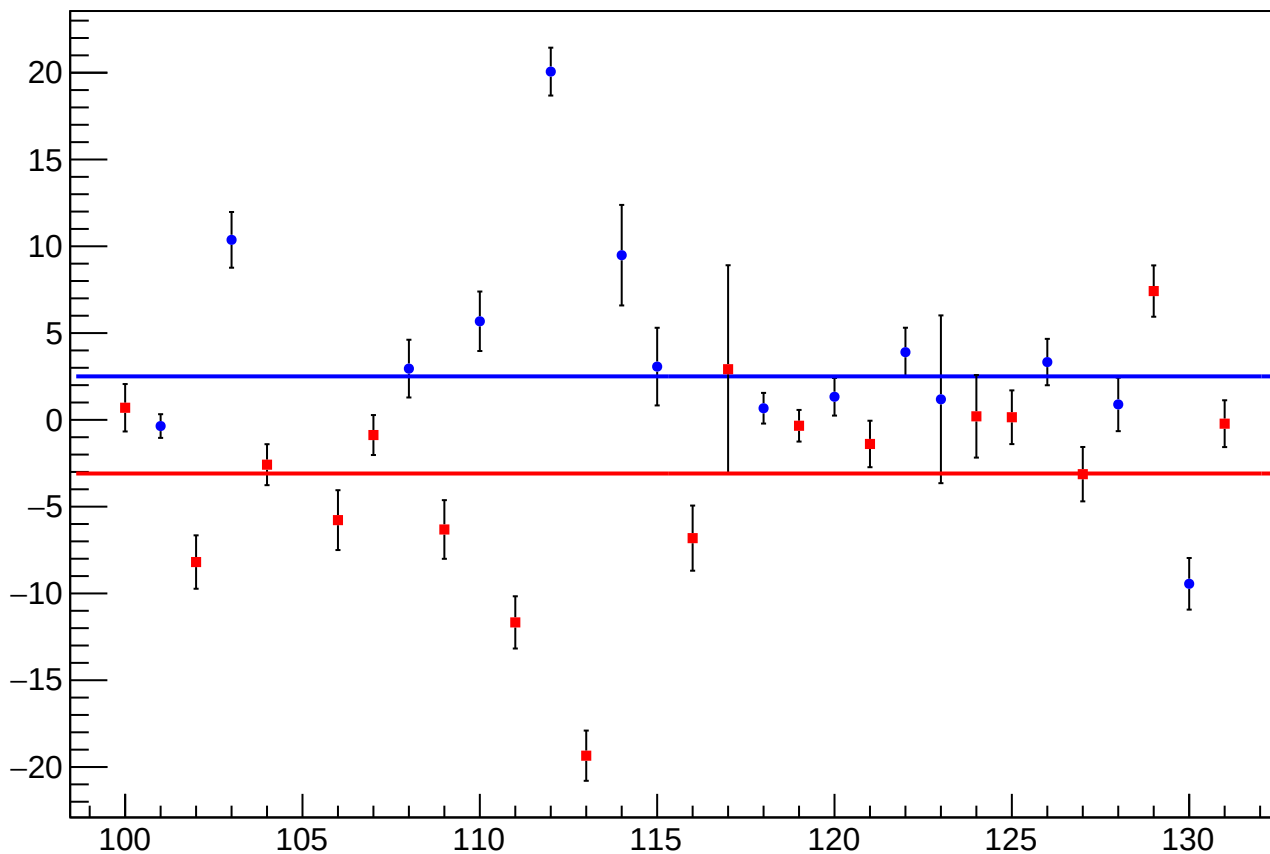
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-34.022+/-0.603  $\chi^2/\text{NDF}$ : 2024.0/13

4.876+/-0.399  $\chi^2/\text{NDF}$ : 11406.8/30

35.227+/-0.532  $\chi^2/\text{NDF}$ : 1970.3/16

reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.505+/-0.349  $\chi^2/\text{NDF}$ : 285.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.091+/-0.351  $\chi^2/\text{NDF}$ : 264.4/16

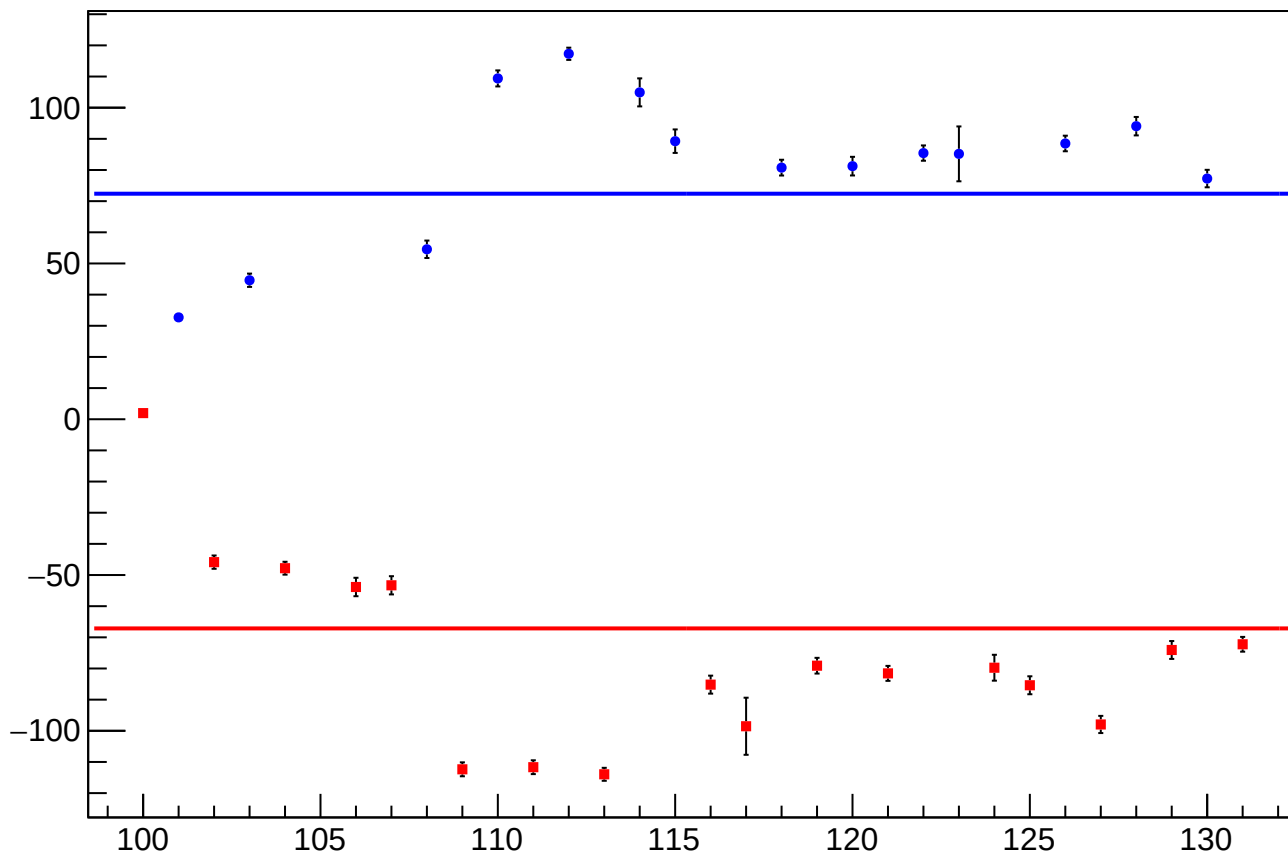
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.505+/-0.349  $\chi^2/\text{NDF}$ : 285.6/13

-0.280+/-0.248  $\chi^2/\text{NDF}$ : 677.7/30

-3.091+/-0.351  $\chi^2/\text{NDF}$ : 264.4/16

reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 72.390+/-0.663  $\chi^2$ /NDF: 2031.3/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -67.137+/-0.592  $\chi^2$ /NDF: 4068.7/16

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

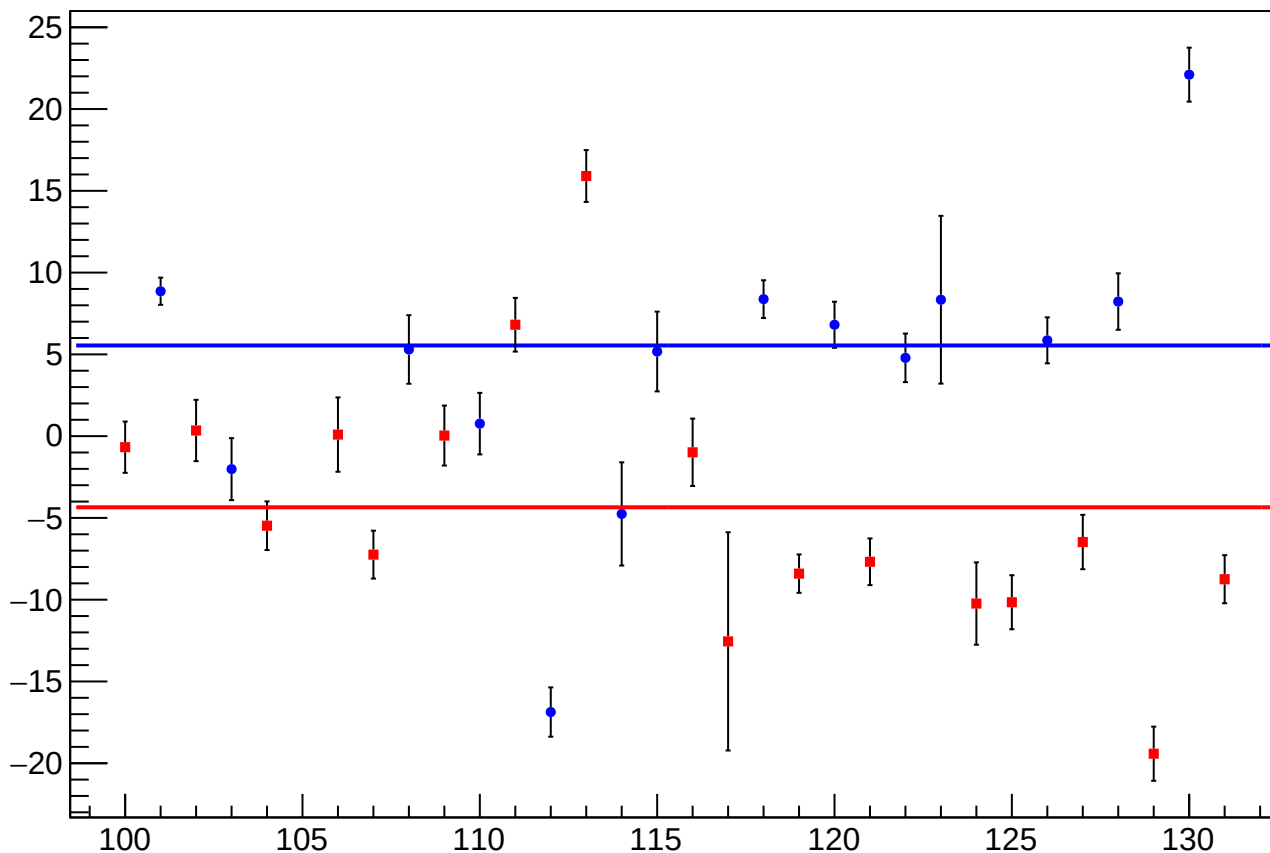
72.390+/-0.663  $\chi^2$ /NDF: 2031.3/13

-5.244+/-0.441  $\chi^2$ /NDF: 30770.2/30

-67.137+/-0.592  $\chi^2$ /NDF: 4068.7/16



reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.544+/-0.412  $\chi^2/\text{NDF}$ : 380.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.350+/-0.406  $\chi^2/\text{NDF}$ : 368.0/16

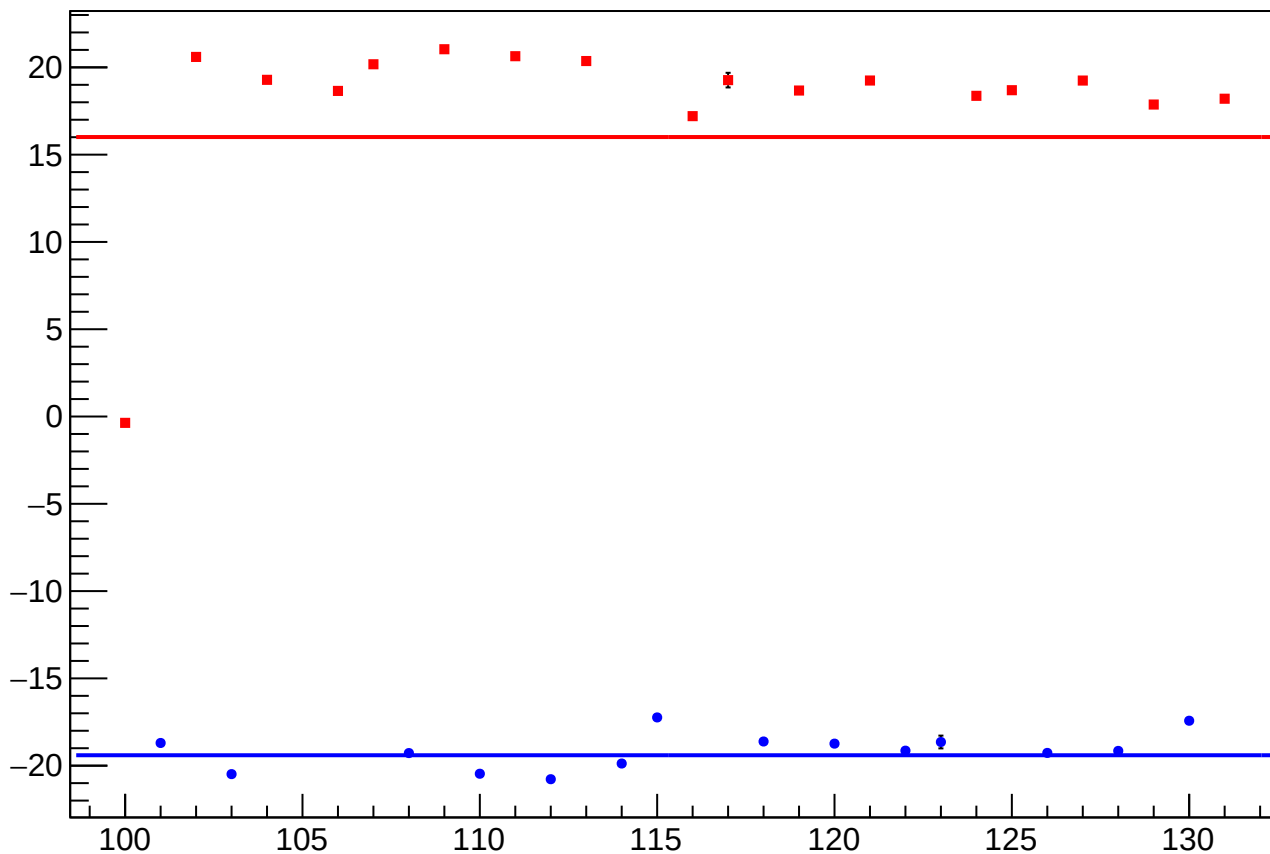
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.544+/-0.412  $\chi^2/\text{NDF}$ : 380.4/13

0.530+/-0.289  $\chi^2/\text{NDF}$ : 1041.0/30

-4.350+/-0.406  $\chi^2/\text{NDF}$ : 368.0/16

reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.402 $\pm$ 0.023  $\chi^2$ /NDF: 1565.2/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 16.009 $\pm$ 0.020  $\chi^2$ /NDF: 146810.0/16

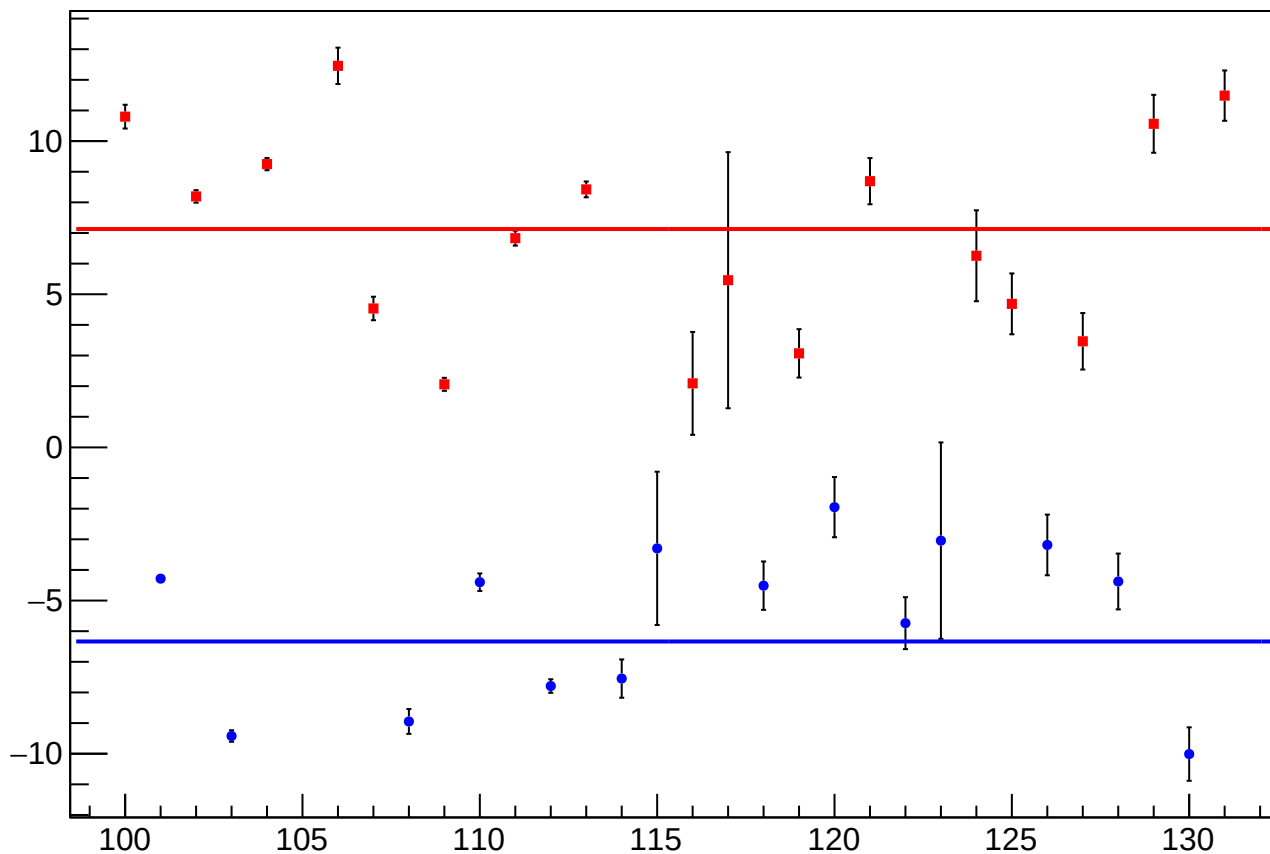
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-19.402 $\pm$ 0.023  $\chi^2$ /NDF: 1565.2/13

0.939 $\pm$ 0.015  $\chi^2$ /NDF: 1460261.4/30

16.009 $\pm$ 0.020  $\chi^2$ /NDF: 146810.0/16

reg\_asym\_sam\_15\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -6.336+/-0.089  $\chi^2$ /NDF: 673.5/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 7.129+/-0.088  $\chi^2$ /NDF: 1053.9/16

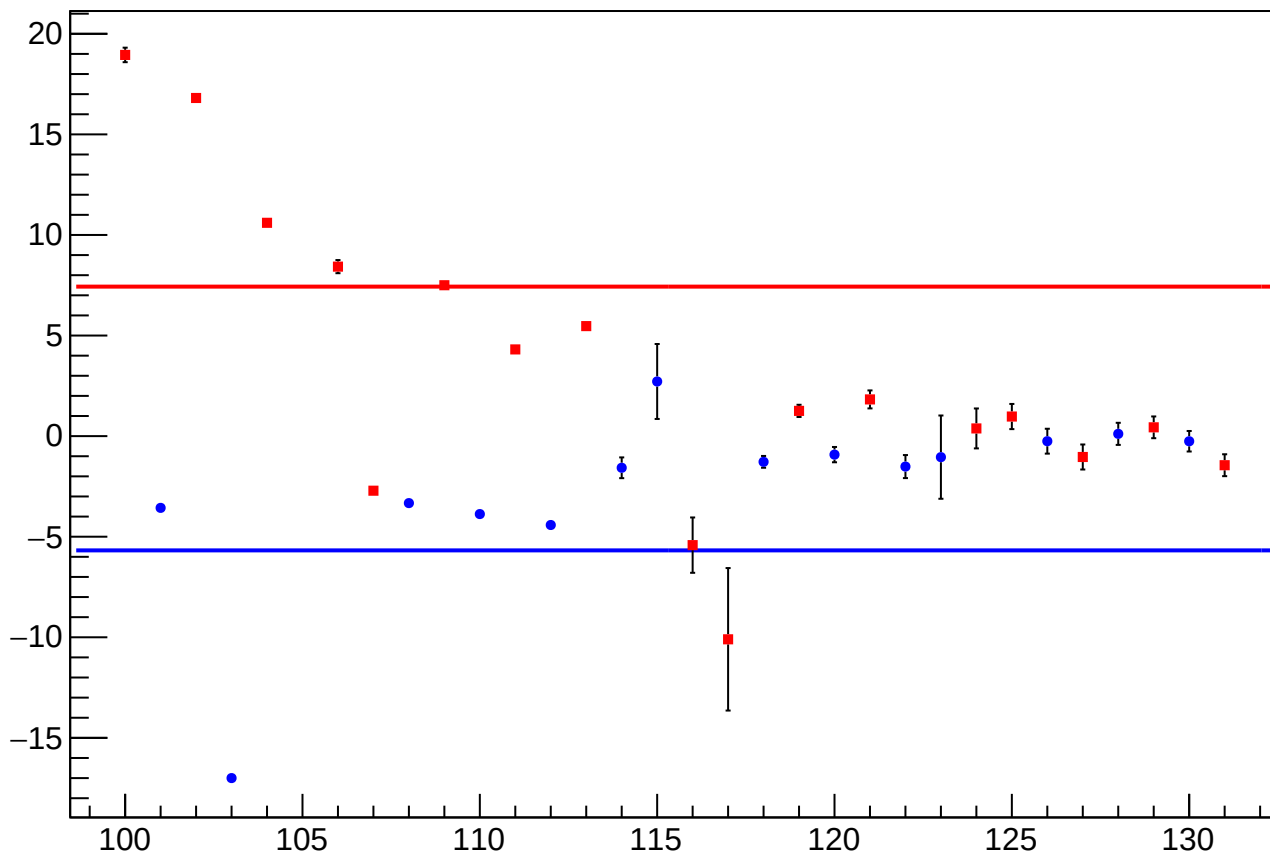
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-6.336+/-0.089  $\chi^2$ /NDF: 673.5/13

0.424+/-0.063  $\chi^2$ /NDF: 13304.3/30

7.129+/-0.088  $\chi^2$ /NDF: 1053.9/16

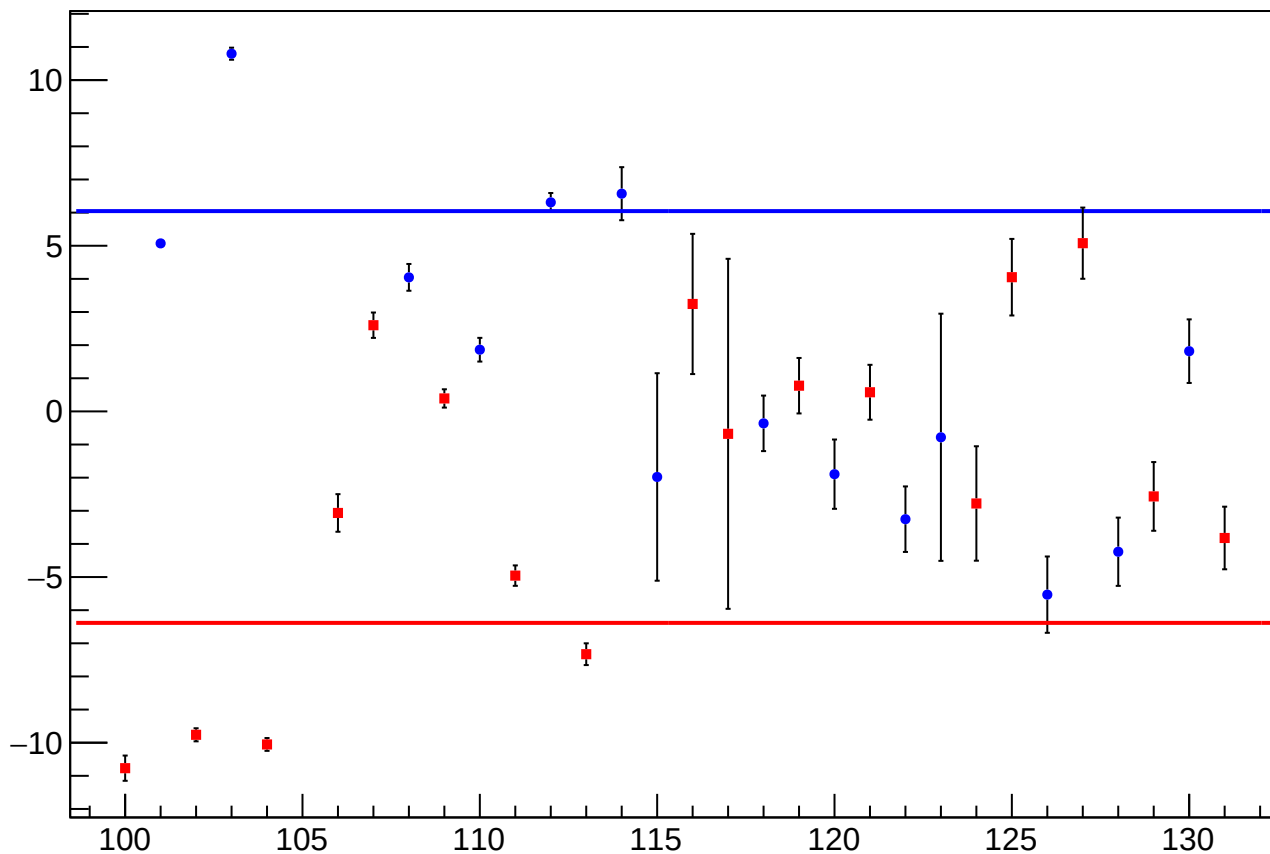
reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -5.680+/-0.056  $\chi^2/\text{NDF}$ : 8785.1/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 7.432+/-0.062  $\chi^2/\text{NDF}$ : 11889.1/16  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-5.680+/-0.056  $\chi^2/\text{NDF}$ : 8785.1/13  
 0.282+/-0.042  $\chi^2/\text{NDF}$ : 45298.1/30  
 7.432+/-0.062  $\chi^2/\text{NDF}$ : 11889.1/16

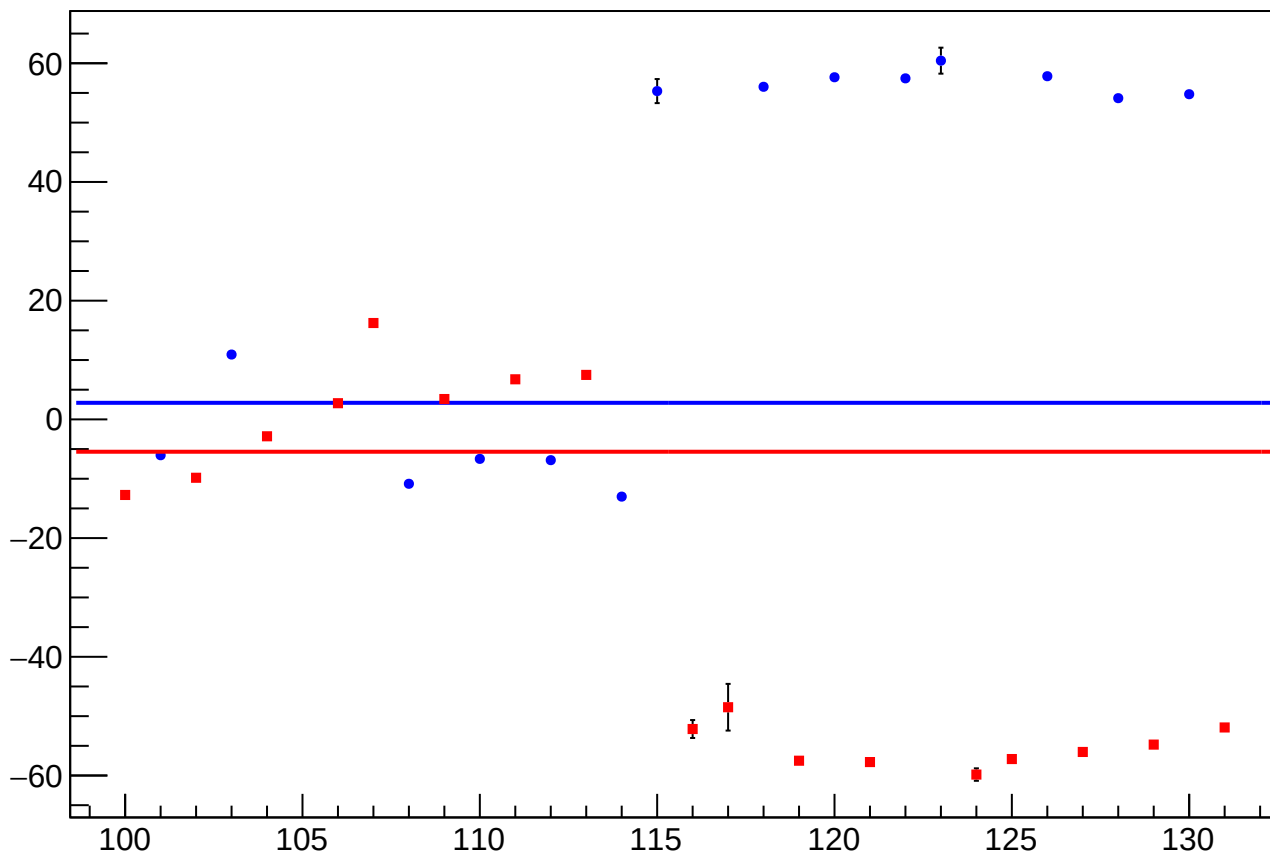
reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.046 $\pm$ 0.092  $\chi^2$ /NDF: 1328.5/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: -6.383 $\pm$ 0.096  $\chi^2$ /NDF: 2384.7/16  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

6.046 $\pm$ 0.092  $\chi^2$ /NDF: 1328.5/13  
 0.080 $\pm$ 0.066  $\chi^2$ /NDF: 12479.9/30  
 -6.383 $\pm$ 0.096  $\chi^2$ /NDF: 2384.7/16

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 2.792+/-0.067  $\chi^2/\text{NDF}$ : 81480.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.451+/-0.073  $\chi^2/\text{NDF}$ : 78782.9/16

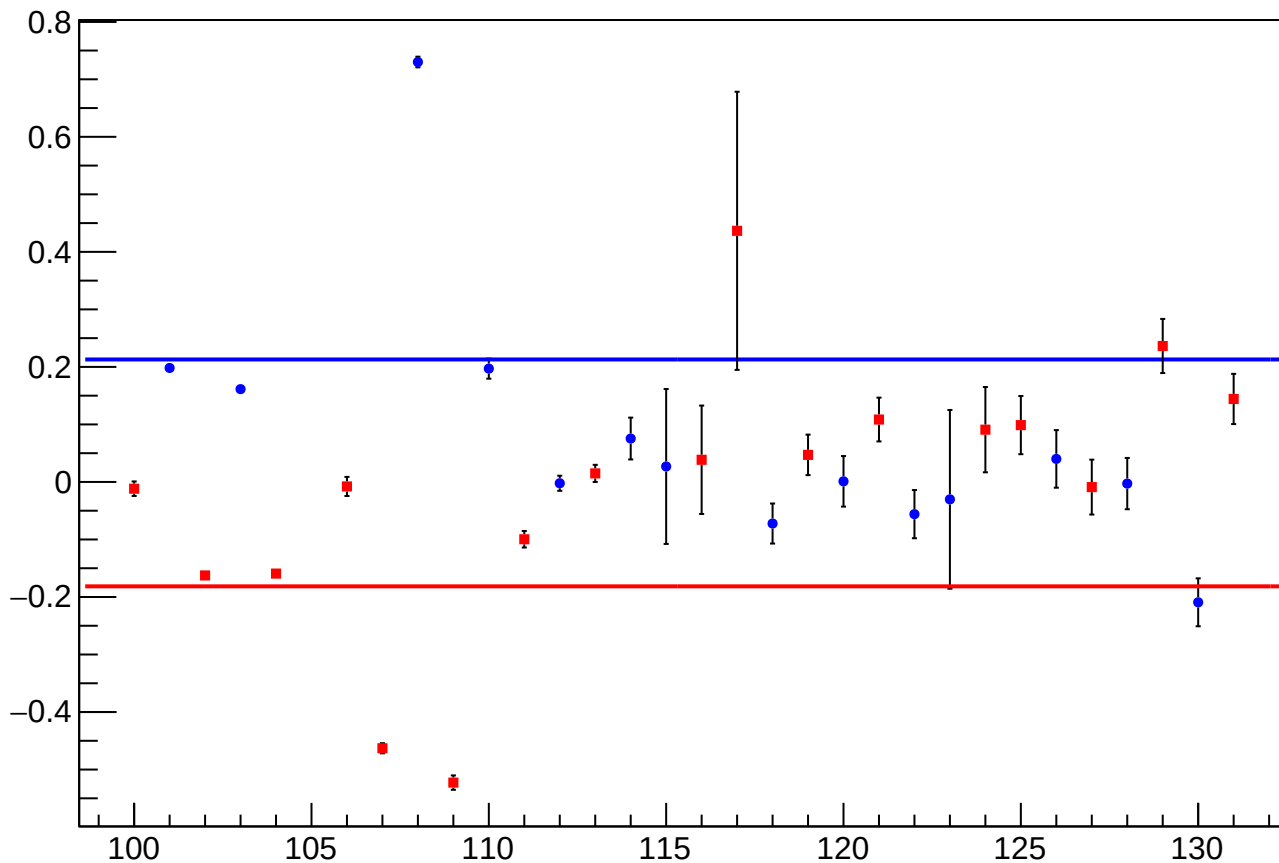
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.792+/-0.067  $\chi^2/\text{NDF}$ : 81480.6/13

-0.972+/-0.049  $\chi^2/\text{NDF}$ : 167154.2/30

-5.451+/-0.073  $\chi^2/\text{NDF}$ : 78782.9/16

reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.213+/-0.003  $\chi^2/\text{NDF}$ : 3827.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.181+/-0.003  $\chi^2/\text{NDF}$ : 2604.2/16

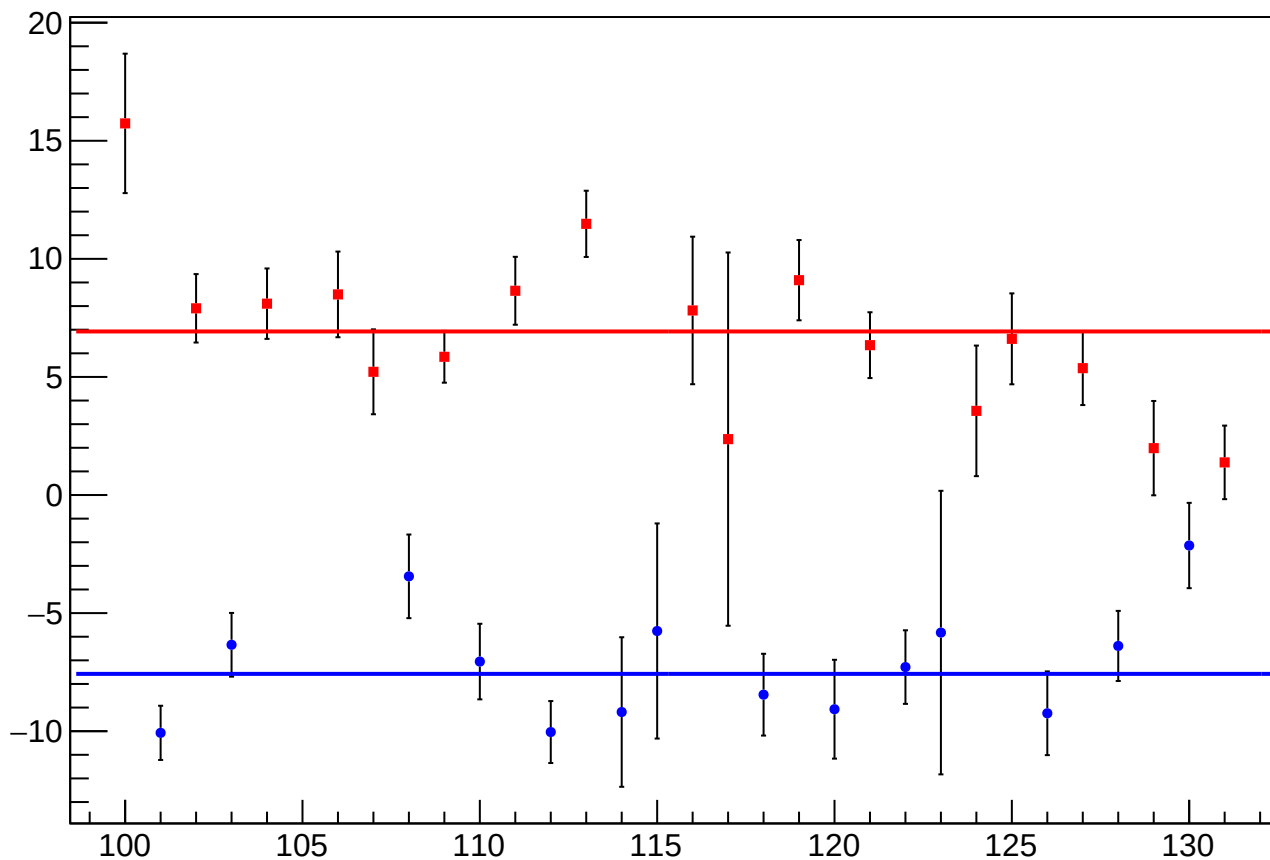
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.213+/-0.003  $\chi^2/\text{NDF}$ : 3827.9/13

0.009+/-0.002  $\chi^2/\text{NDF}$ : 16293.9/30

-0.181+/-0.003  $\chi^2/\text{NDF}$ : 2604.2/16

reg\_asym\_sam\_15\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -7.573+/-0.455  $\chi^2/\text{NDF}$ : 26.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.926+/-0.411  $\chi^2/\text{NDF}$ : 48.1/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

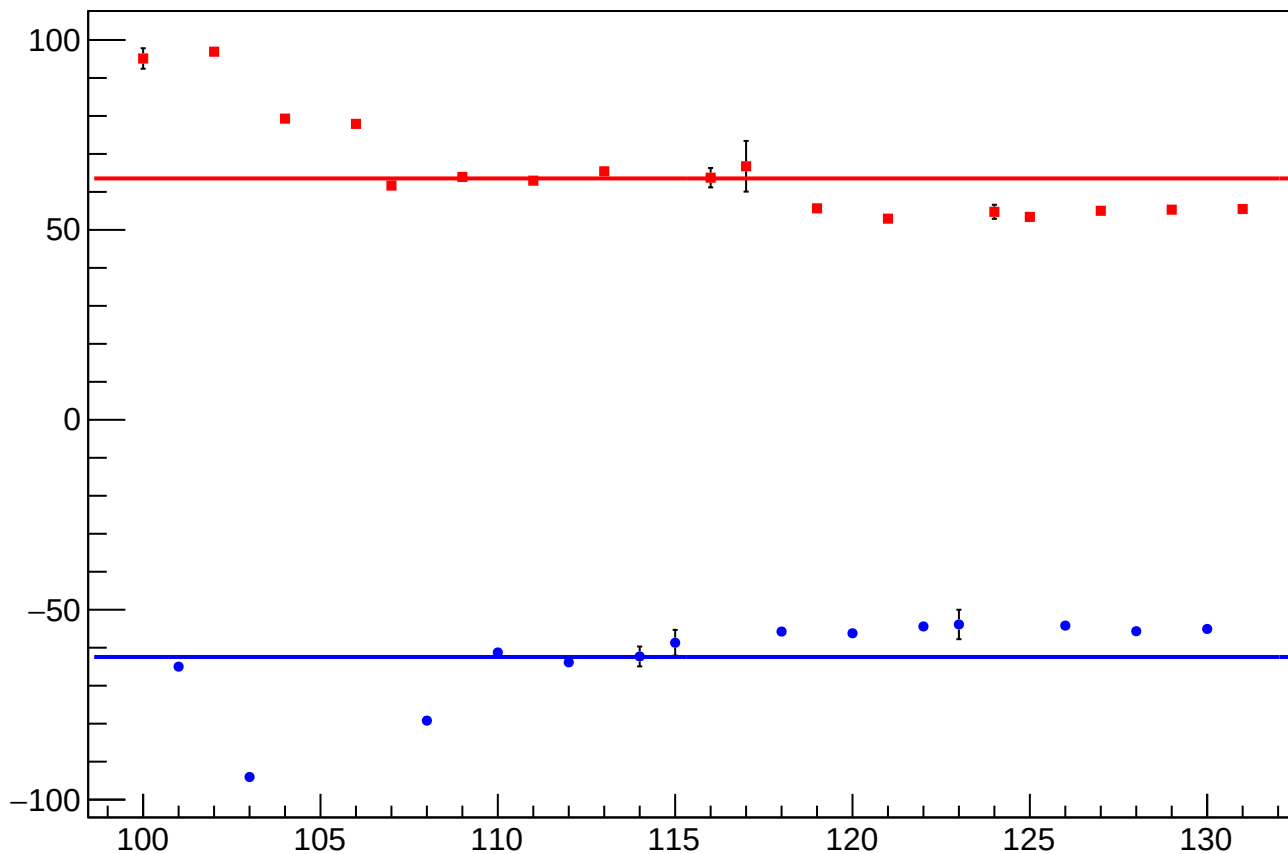
-7.573+/-0.455  $\chi^2/\text{NDF}$ : 26.5/13

0.420+/-0.305  $\chi^2/\text{NDF}$ : 634.2/30

6.926+/-0.411  $\chi^2/\text{NDF}$ : 48.1/16



reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-62.442 \pm 0.265$   $\chi^2/\text{NDF}: 1657.2/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $63.548 \pm 0.263$   $\chi^2/\text{NDF}: 2212.9/16$

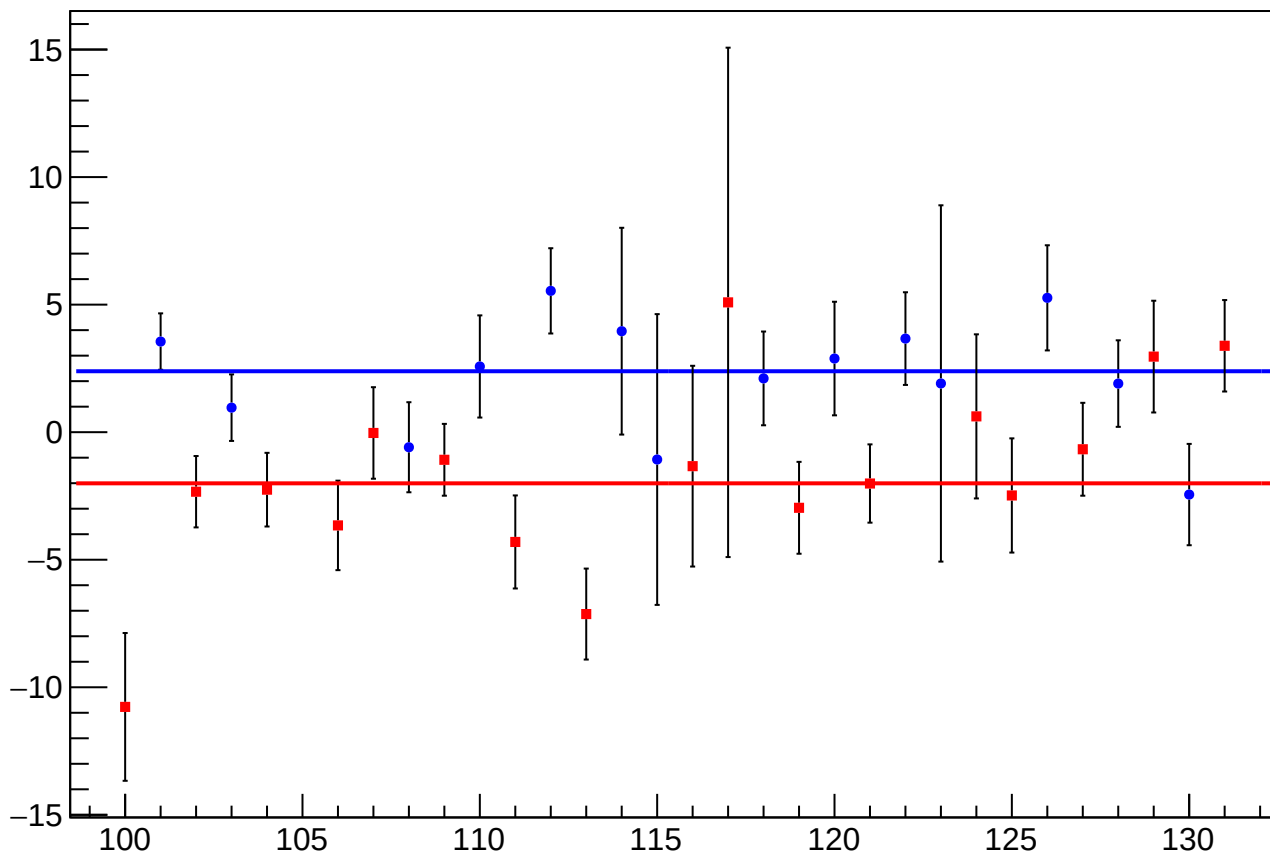
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-62.442 \pm 0.265$   $\chi^2/\text{NDF}: 1657.2/13$

$1.136 \pm 0.187$   $\chi^2/\text{NDF}: 117916.4/30$

$63.548 \pm 0.263$   $\chi^2/\text{NDF}: 2212.9/16$

reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.389+/-0.495  $\chi^2/\text{NDF}$ : 17.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.005+/-0.457  $\chi^2/\text{NDF}$ : 37.9/16

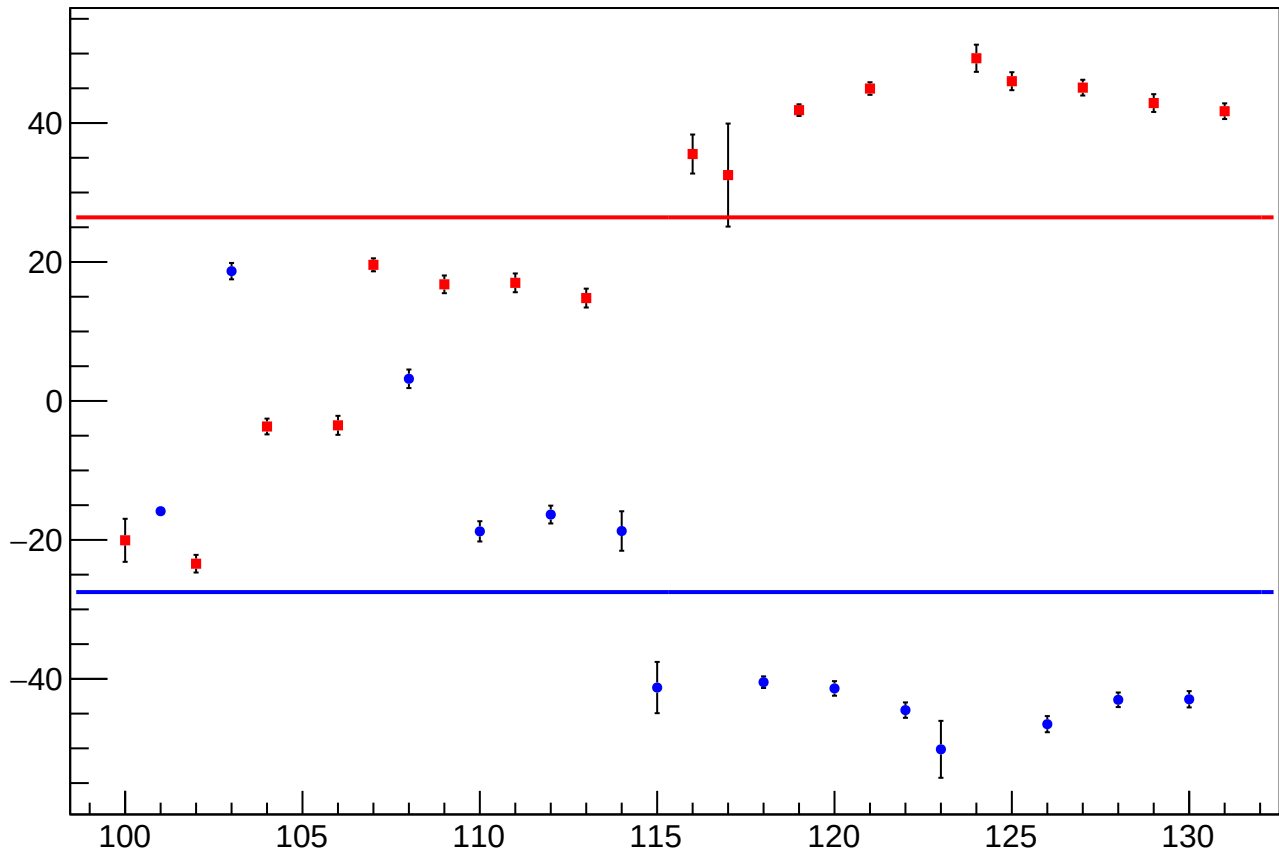
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.389+/-0.495  $\chi^2/\text{NDF}$ : 17.8/13

0.017+/-0.336  $\chi^2/\text{NDF}$ : 98.2/30

-2.005+/-0.457  $\chi^2/\text{NDF}$ : 37.9/16

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-27.509 \pm 0.313$   $\chi^2/\text{NDF}: 3814.6/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $26.424 \pm 0.306$   $\chi^2/\text{NDF}: 4937.6/16$

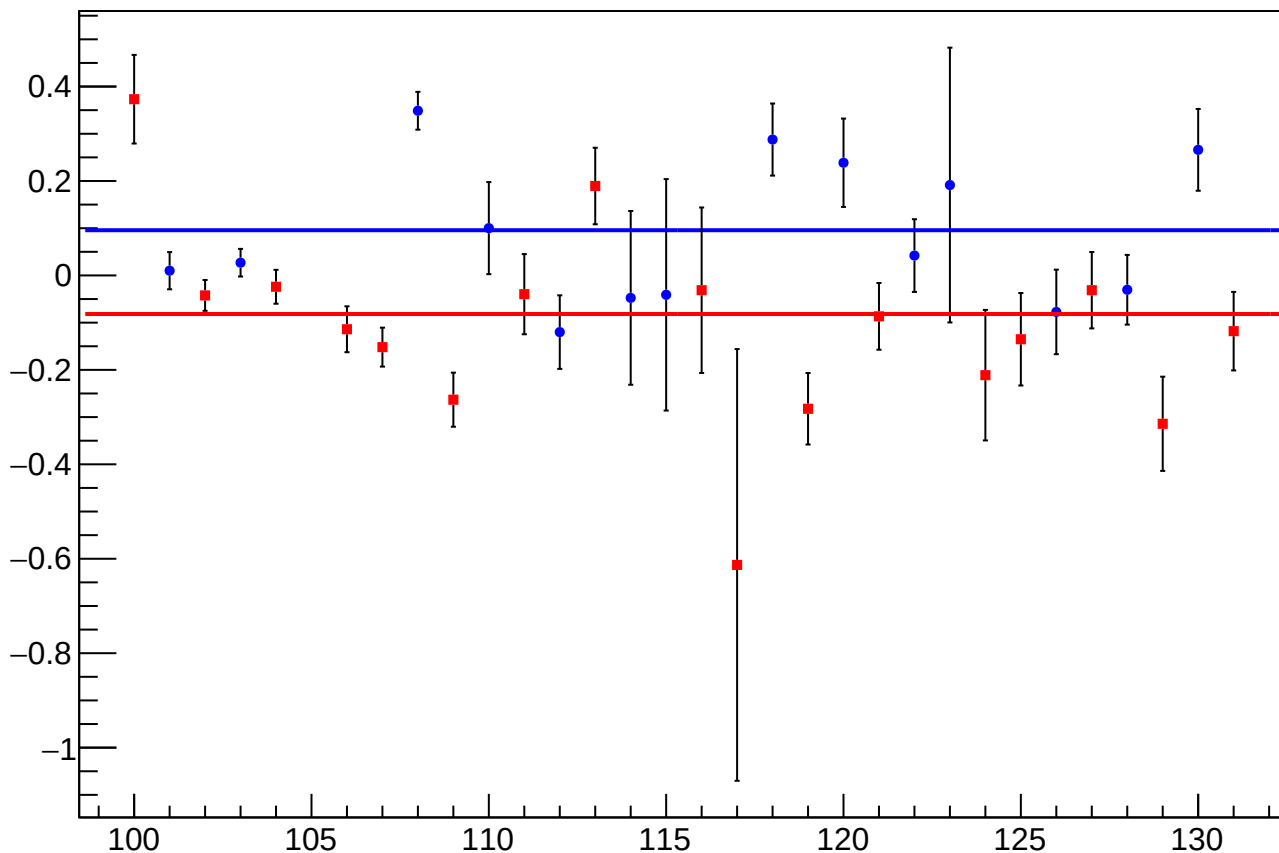
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-27.509 \pm 0.313$   $\chi^2/\text{NDF}: 3814.6/13$

$0.086 \pm 0.219$   $\chi^2/\text{NDF}: 23971.5/30$

$26.424 \pm 0.306$   $\chi^2/\text{NDF}: 4937.6/16$

reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.096 $\pm$ 0.017  $\chi^2$ /NDF: 78.6/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.082 $\pm$ 0.015  $\chi^2$ /NDF: 68.0/16

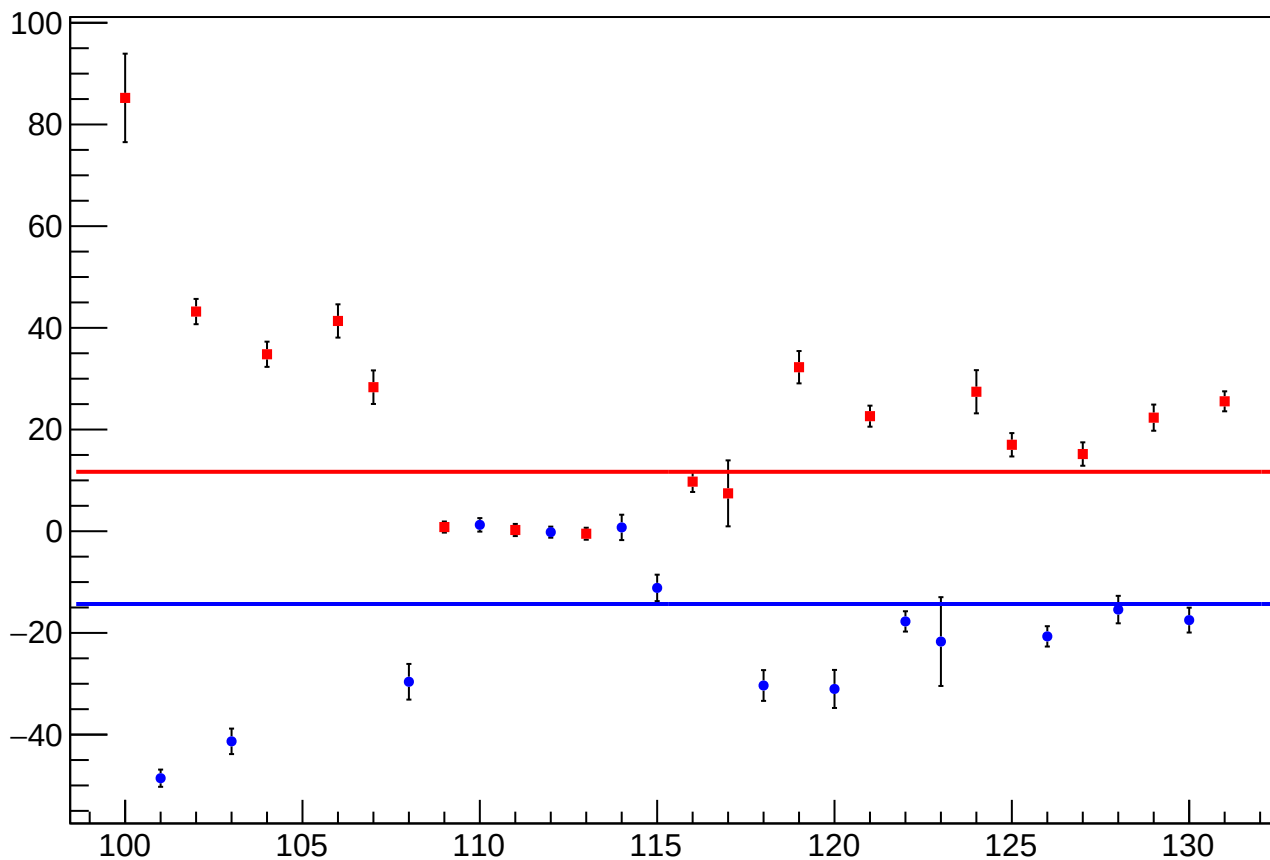
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.096 $\pm$ 0.017  $\chi^2$ /NDF: 78.6/13

-0.001 $\pm$ 0.011  $\chi^2$ /NDF: 209.5/30

-0.082 $\pm$ 0.015  $\chi^2$ /NDF: 68.0/16

reg\_asym\_sam\_37\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -14.312 $\pm$ 0.550  $\chi^2$ /NDF: 952.4/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11.688 $\pm$ 0.487  $\chi^2$ /NDF: 883.7/16

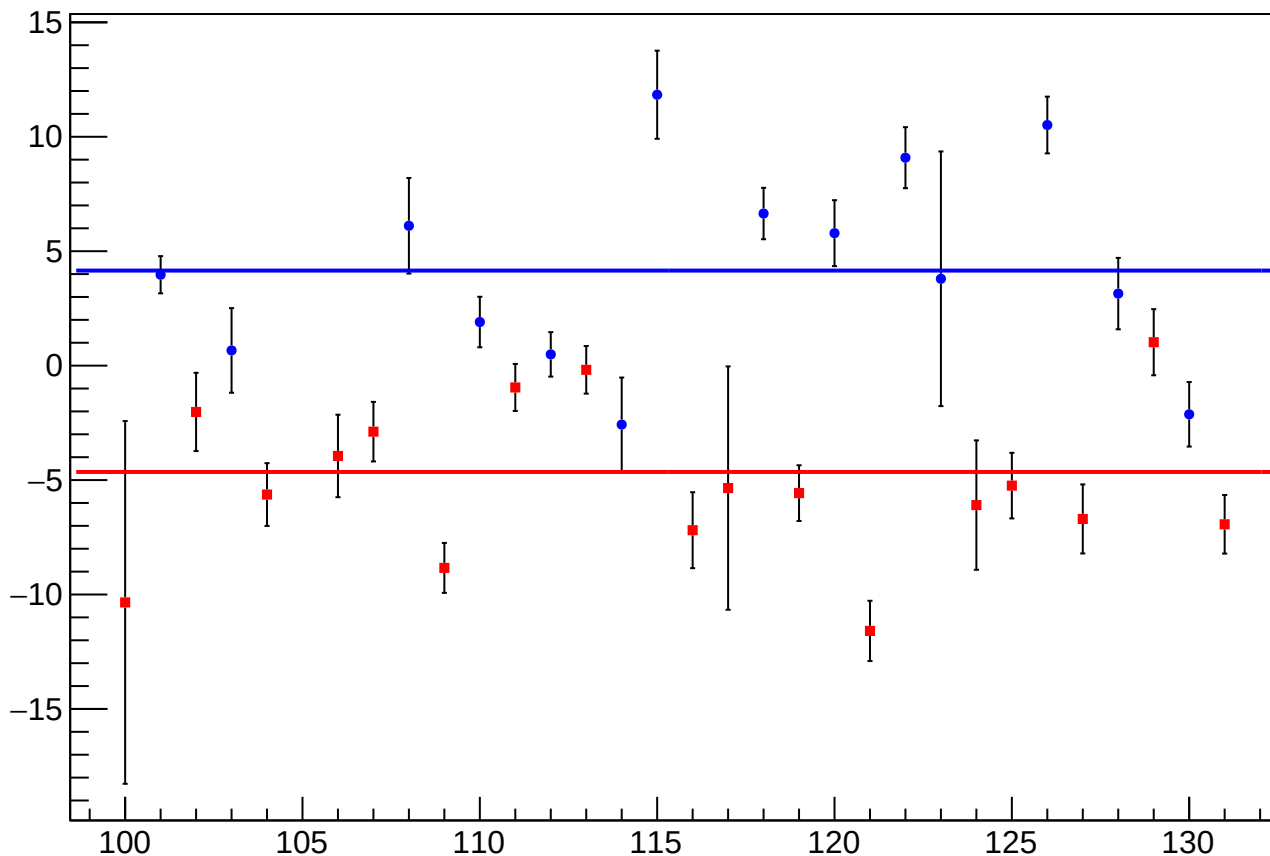
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-14.312 $\pm$ 0.550  $\chi^2$ /NDF: 952.4/13

0.263 $\pm$ 0.364  $\chi^2$ /NDF: 3090.2/30

11.688 $\pm$ 0.487  $\chi^2$ /NDF: 883.7/16

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.154+/-0.357  $\chi^2/\text{NDF}$ : 116.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.645+/-0.347  $\chi^2/\text{NDF}$ : 103.1/16

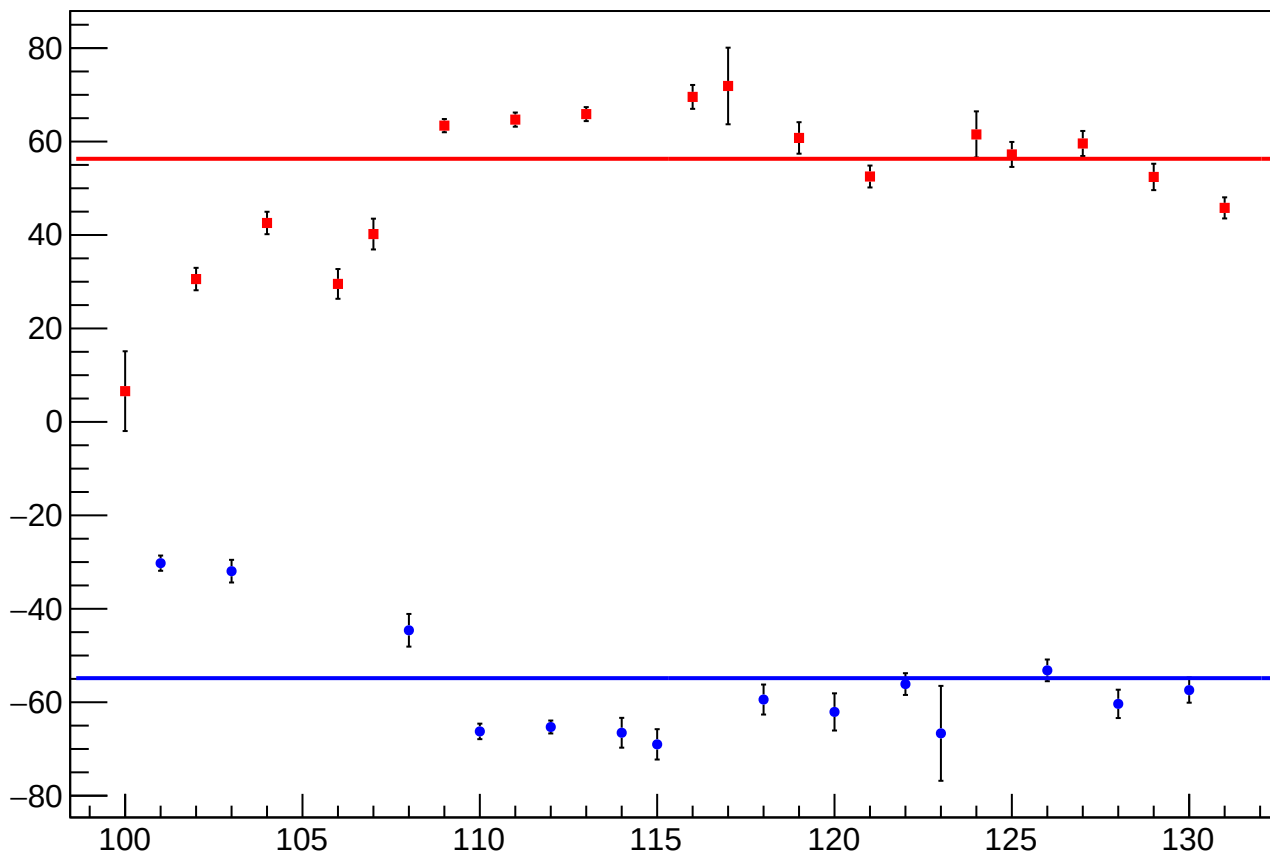
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.154+/-0.357  $\chi^2/\text{NDF}$ : 116.0/13

-0.364+/-0.249  $\chi^2/\text{NDF}$ : 531.5/30

-4.645+/-0.347  $\chi^2/\text{NDF}$ : 103.1/16

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.842+/-0.633  $\chi^2/\text{NDF}$ : 473.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 56.312+/-0.576  $\chi^2/\text{NDF}$ : 434.0/16

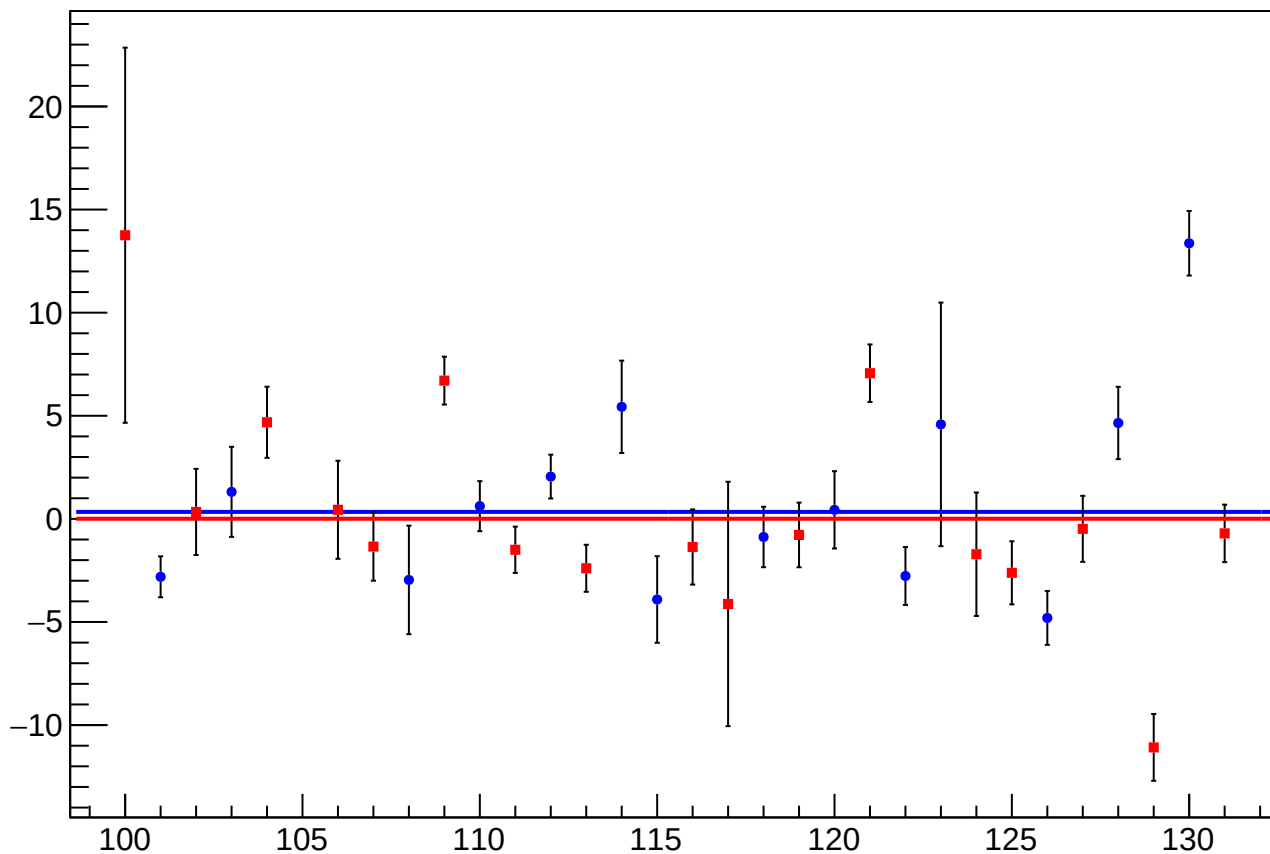
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-54.842+/-0.633  $\chi^2/\text{NDF}$ : 473.7/13

5.971+/-0.426  $\chi^2/\text{NDF}$ : 17754.3/30

56.312+/-0.576  $\chi^2/\text{NDF}$ : 434.0/16

reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.338+/-0.409  $\chi^2/\text{NDF}$ : 120.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.007+/-0.392  $\chi^2/\text{NDF}$ : 127.3/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

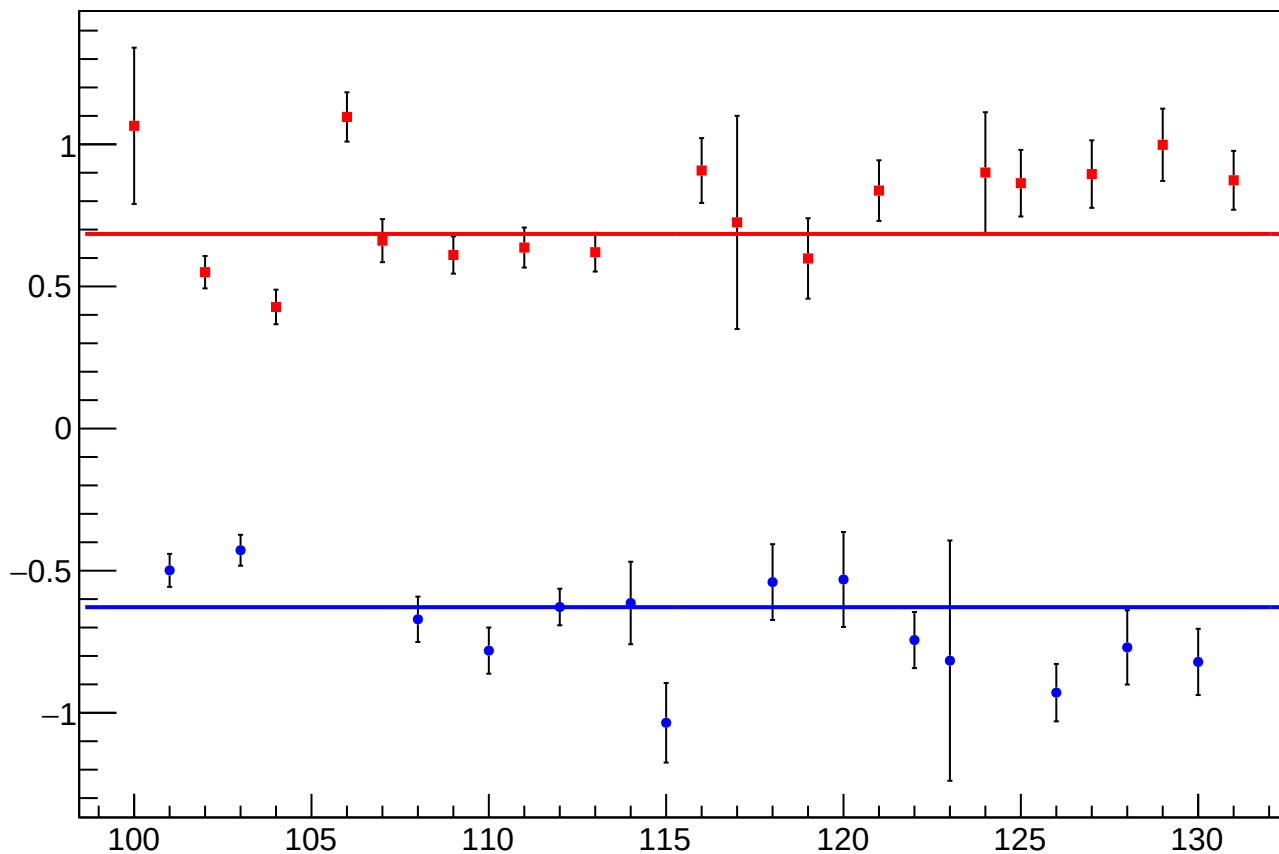
0.338+/-0.409  $\chi^2/\text{NDF}$ : 120.6/13

0.165+/-0.283  $\chi^2/\text{NDF}$ : 248.2/30

0.007+/-0.392  $\chi^2/\text{NDF}$ : 127.3/16



reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.628 \pm 0.024$   $\chi^2/\text{NDF}: 45.9/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.685 \pm 0.022$   $\chi^2/\text{NDF}: 72.7/16$

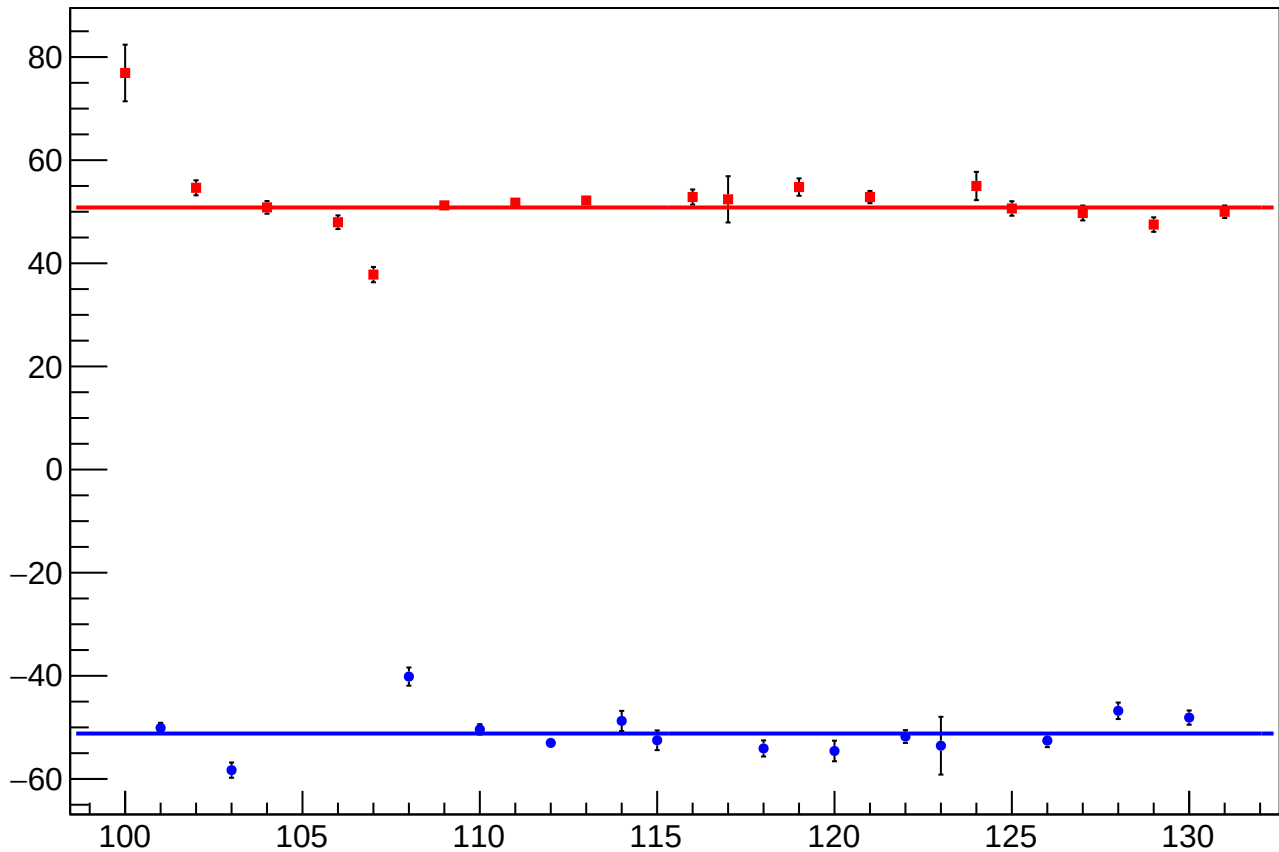
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-0.628 \pm 0.024$   $\chi^2/\text{NDF}: 45.9/13$

$0.093 \pm 0.016$   $\chi^2/\text{NDF}: 1743.4/30$

$0.685 \pm 0.022$   $\chi^2/\text{NDF}: 72.7/16$

reg\_asym\_sam\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-51.192 \pm 0.362$   $\chi^2/\text{NDF}$ : 91.1/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $50.825 \pm 0.320$   $\chi^2/\text{NDF}$ : 133.4/16

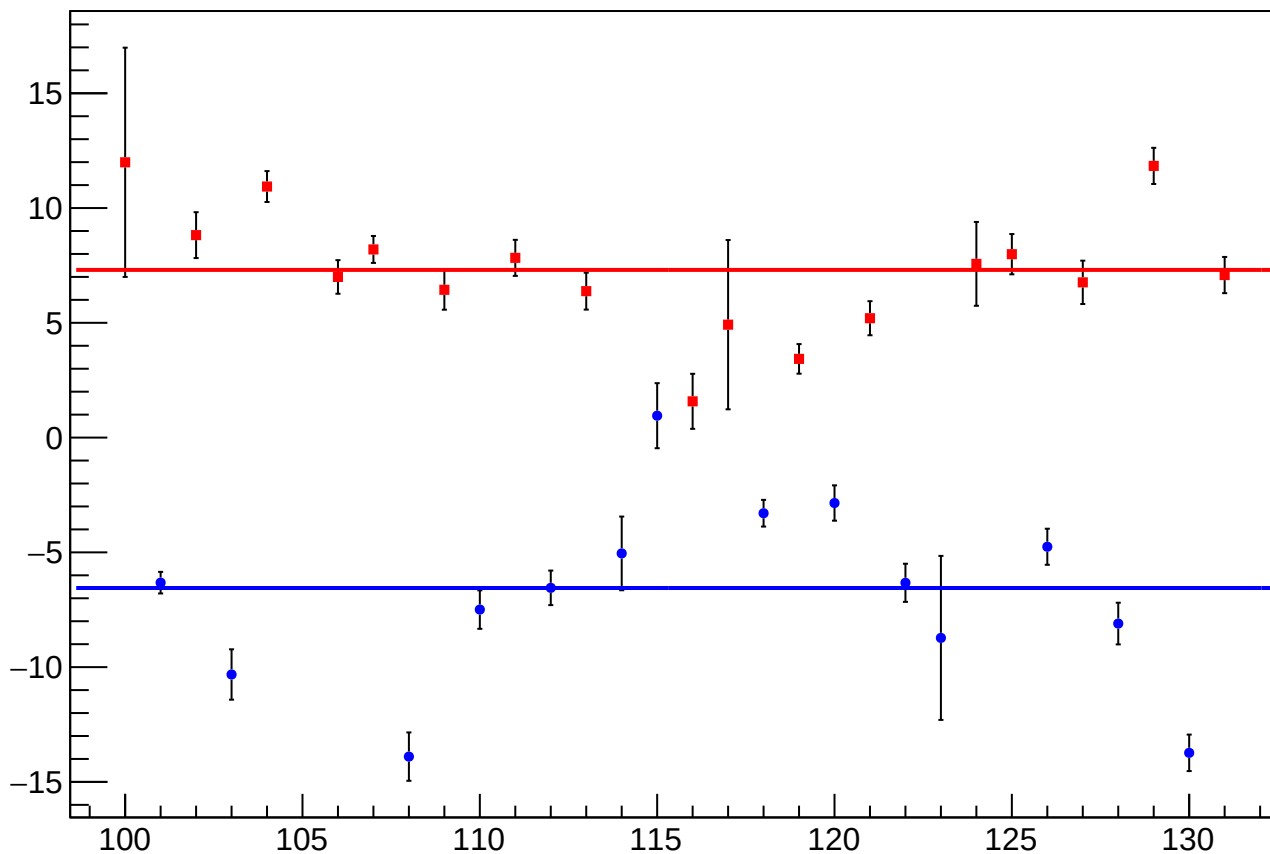
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-51.192 \pm 0.362$   $\chi^2/\text{NDF}$ : 91.1/13

$6.110 \pm 0.240$   $\chi^2/\text{NDF}$ : 44737.1/30

$50.825 \pm 0.320$   $\chi^2/\text{NDF}$ : 133.4/16

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.552+/-0.219  $\chi^2$ /NDF: 235.6/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 7.305+/-0.206  $\chi^2$ /NDF: 139.1/16

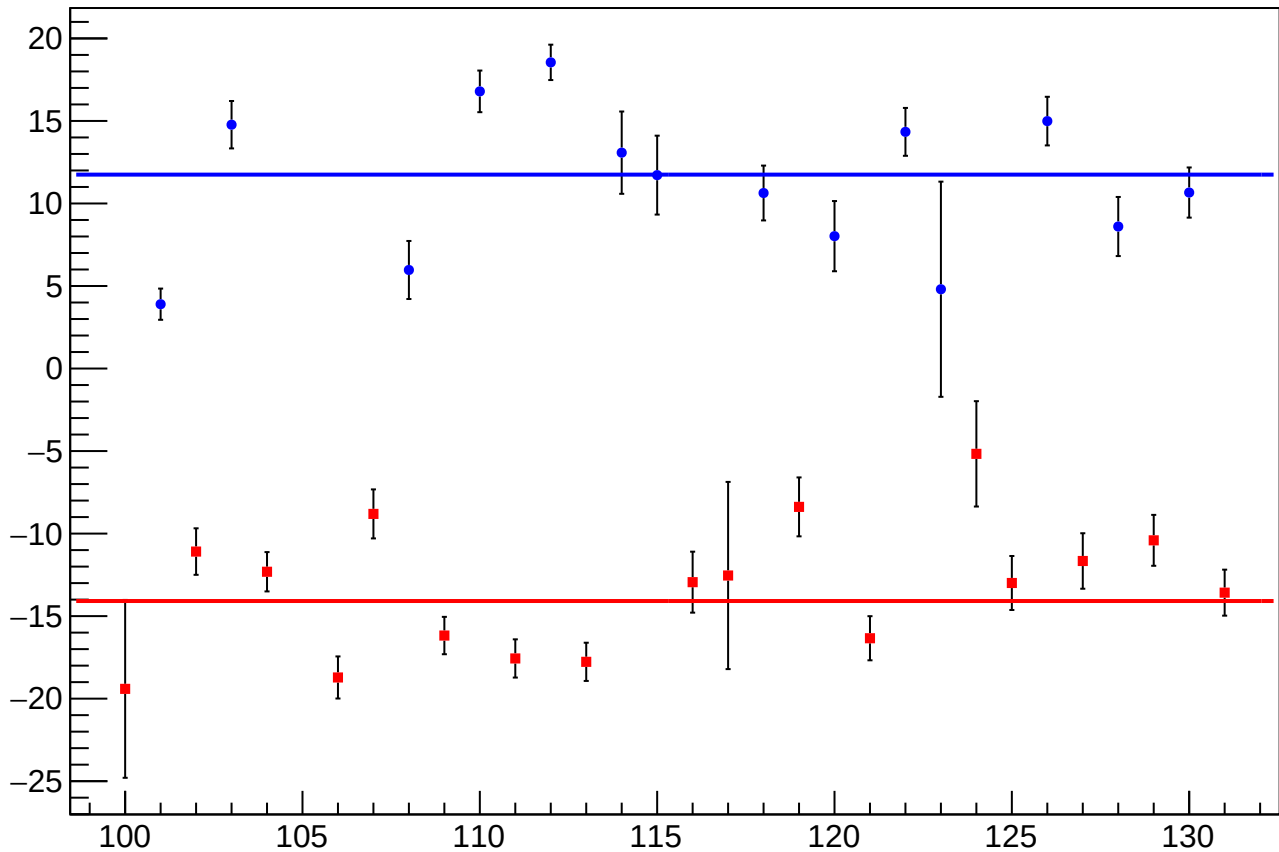
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-6.552+/-0.219  $\chi^2$ /NDF: 235.6/13

0.771+/-0.150  $\chi^2$ /NDF: 2498.0/30

7.305+/-0.206  $\chi^2$ /NDF: 139.1/16

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $11.748 \pm 0.407$   $\chi^2/\text{NDF}: 157.0/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-14.085 \pm 0.364$   $\chi^2/\text{NDF}: 85.8/16$

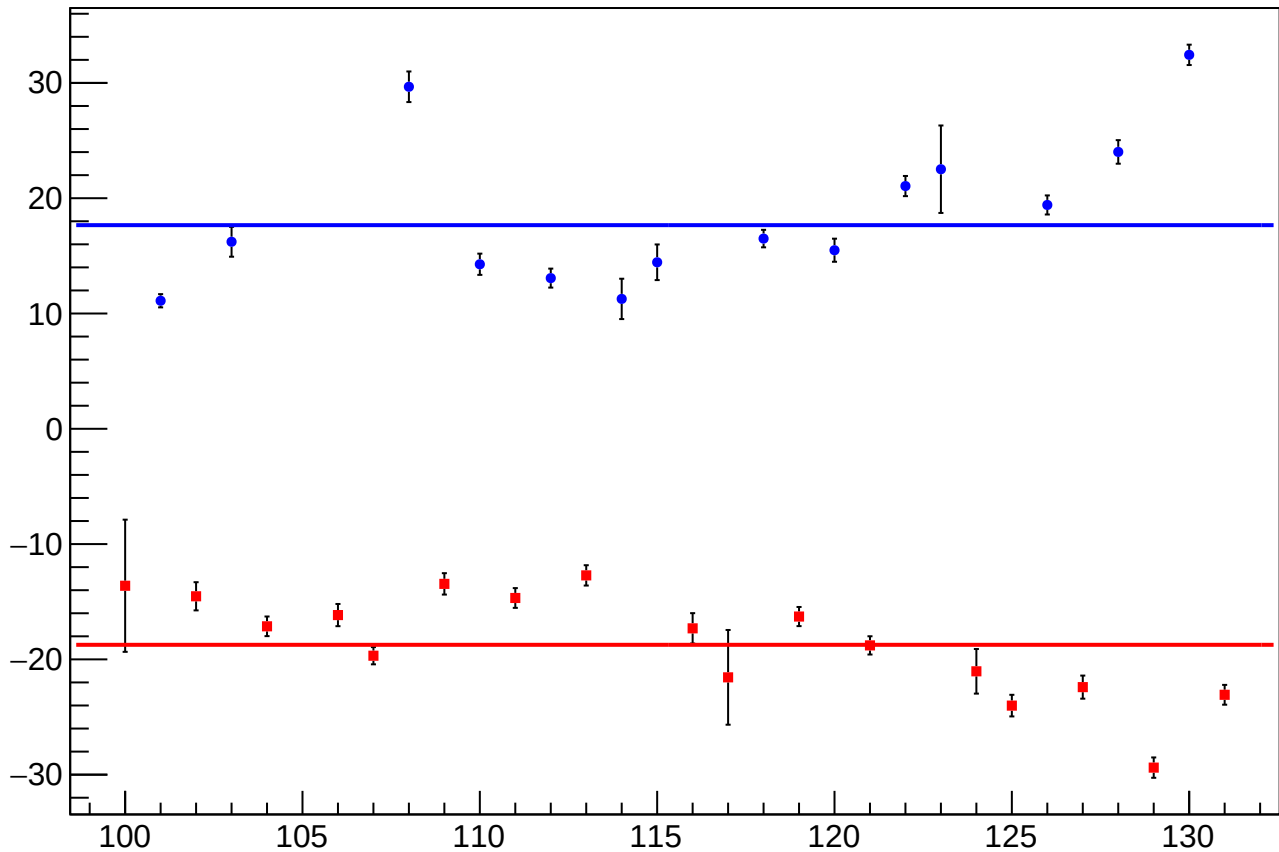
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$11.748 \pm 0.407$   $\chi^2/\text{NDF}: 157.0/13$

$-2.586 \pm 0.271$   $\chi^2/\text{NDF}: 2483.3/30$

$-14.085 \pm 0.364$   $\chi^2/\text{NDF}: 85.8/16$

reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 17.663+/-0.255  $\chi^2$ /NDF: 622.6/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -18.737+/-0.239  $\chi^2$ /NDF: 354.6/16

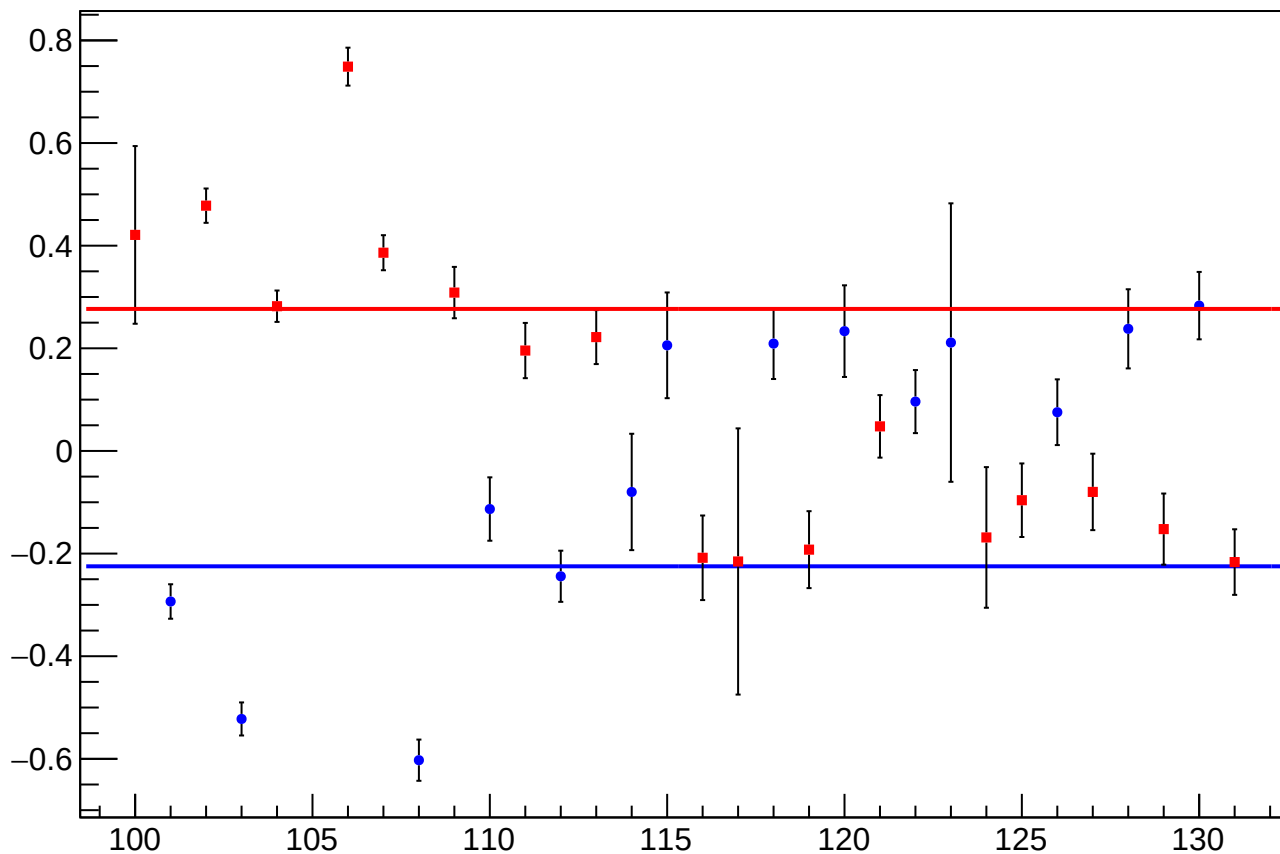
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

17.663+/-0.255  $\chi^2$ /NDF: 622.6/13

-1.687+/-0.174  $\chi^2$ /NDF: 11828.4/30

-18.737+/-0.239  $\chi^2$ /NDF: 354.6/16

reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.225+/-0.015  $\chi^2/\text{NDF}$ : 414.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.277+/-0.013  $\chi^2/\text{NDF}$ : 464.1/16

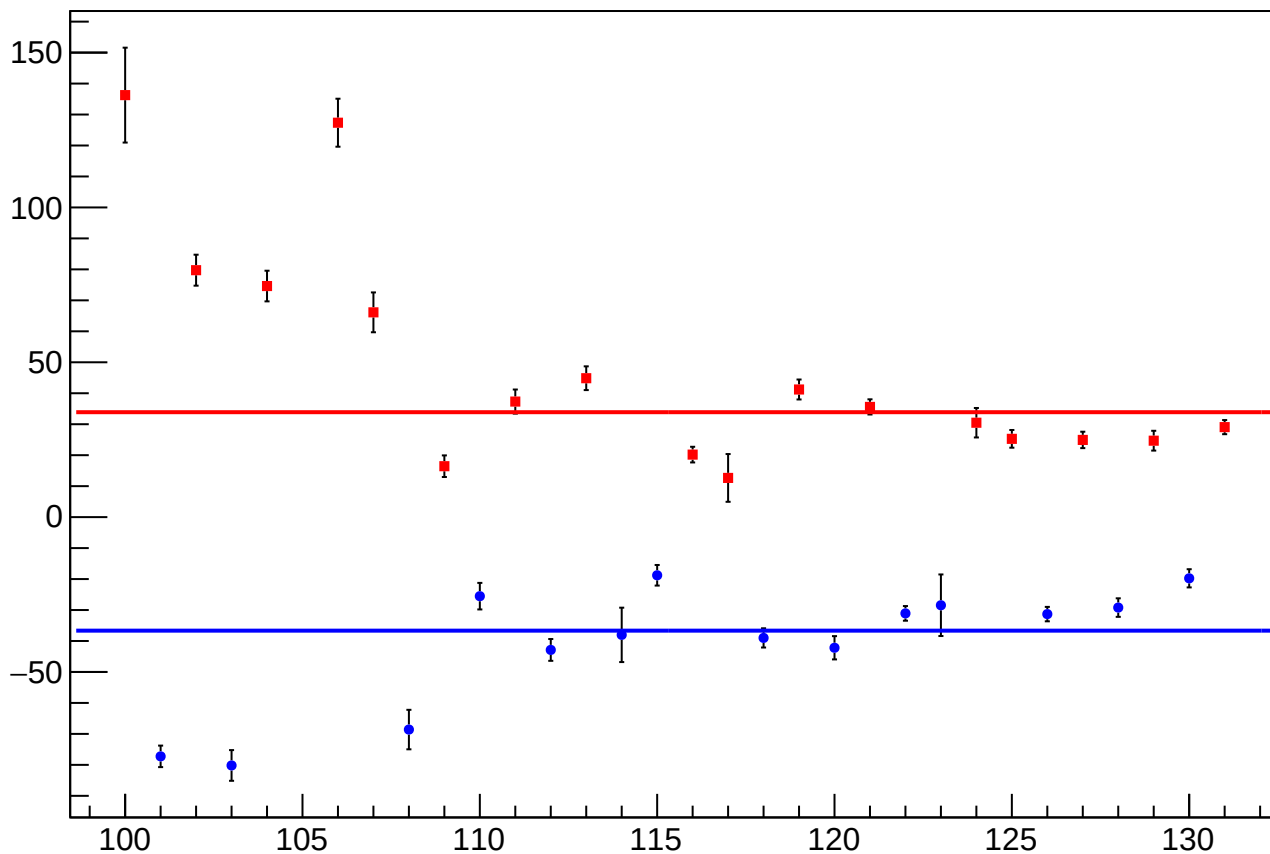
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.225+/-0.015  $\chi^2/\text{NDF}$ : 414.0/13

0.064+/-0.010  $\chi^2/\text{NDF}$ : 1538.6/30

0.277+/-0.013  $\chi^2/\text{NDF}$ : 464.1/16

reg\_asym\_sam\_26\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-36.659 \pm 0.928$   $\chi^2/\text{NDF}$ : 331.1/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $33.882 \pm 0.852$   $\chi^2/\text{NDF}$ : 477.4/16

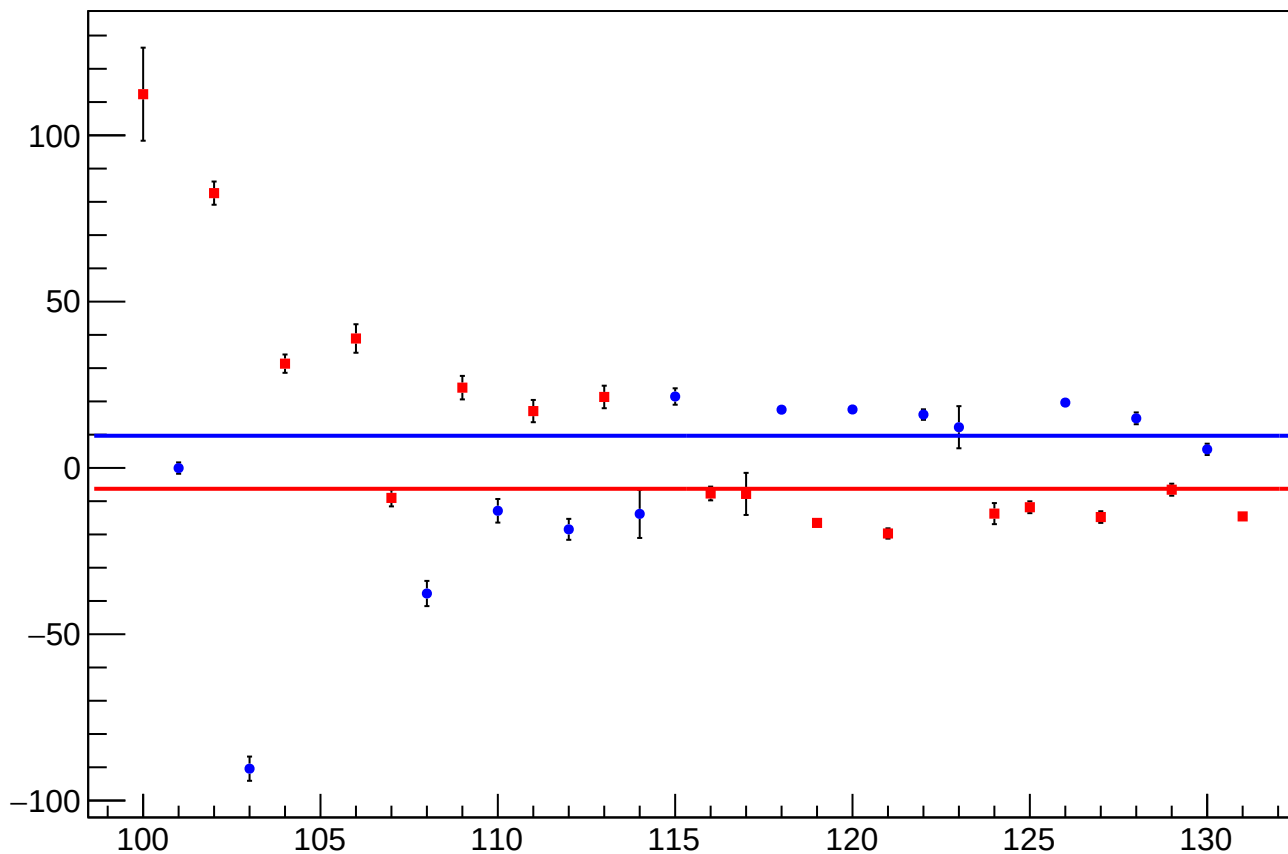
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-36.659 \pm 0.928$   $\chi^2/\text{NDF}$ : 331.1/13

$1.603 \pm 0.628$   $\chi^2/\text{NDF}$ : 3944.9/30

$33.882 \pm 0.852$   $\chi^2/\text{NDF}$ : 477.4/16

reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.673+/-0.523  $\chi^2/\text{NDF}$ : 1252.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.270+/-0.533  $\chi^2/\text{NDF}$ : 1423.6/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

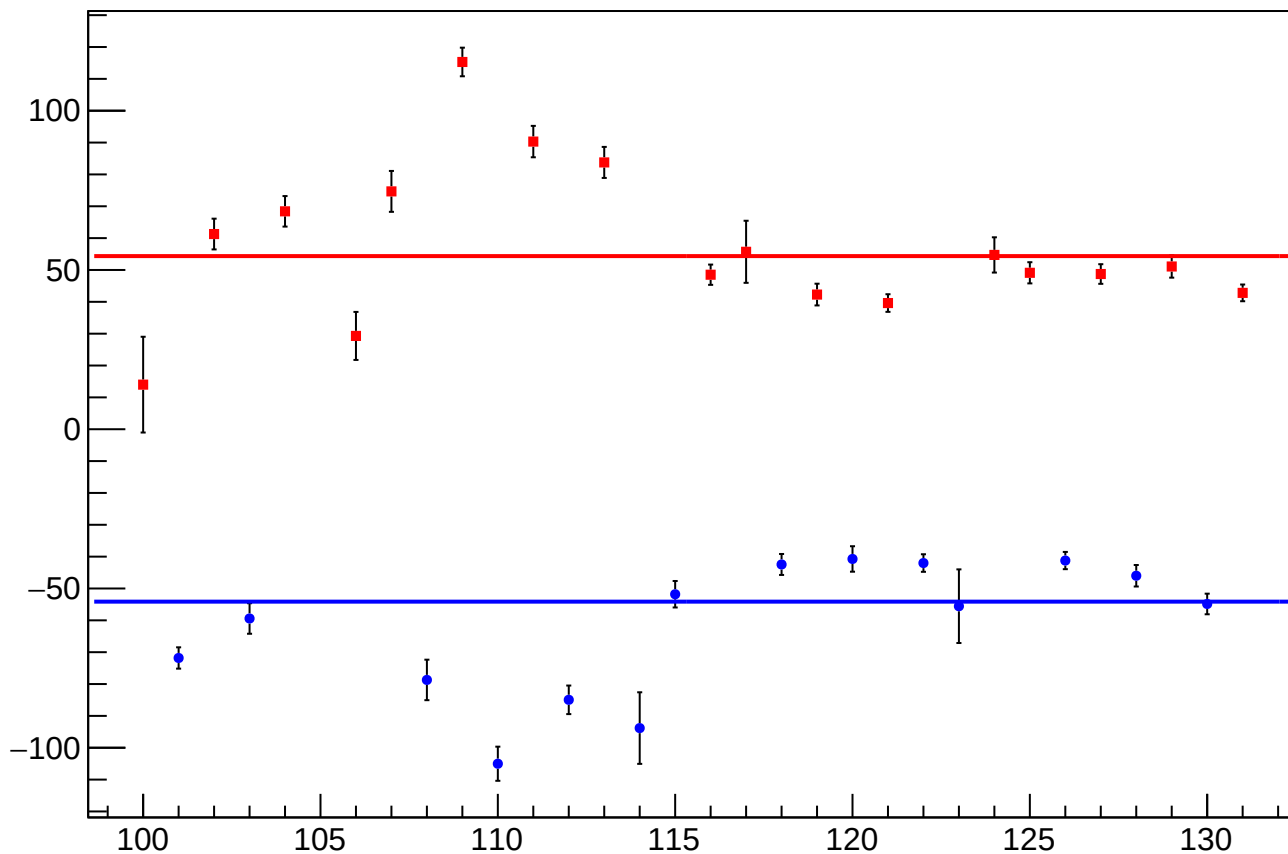
9.673+/-0.523  $\chi^2/\text{NDF}$ : 1252.6/13

1.849+/-0.373  $\chi^2/\text{NDF}$ : 3131.6/30

-6.270+/-0.533  $\chi^2/\text{NDF}$ : 1423.6/16



reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.130+/-1.042  $\chi^2/\text{NDF}$ : 266.1/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 54.356+/-0.978  $\chi^2/\text{NDF}$ : 383.1/16

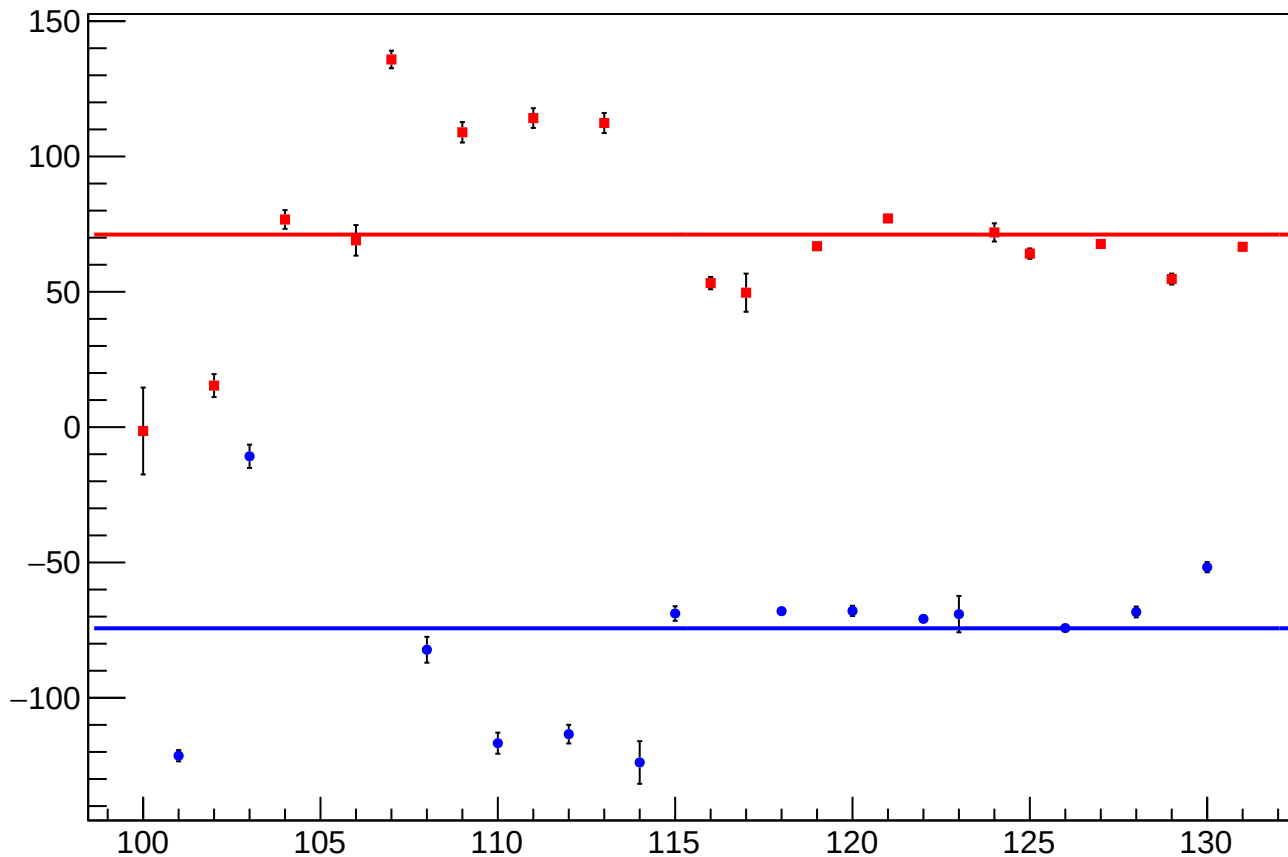
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-54.130+/-1.042  $\chi^2/\text{NDF}$ : 266.1/13

3.556+/-0.713  $\chi^2/\text{NDF}$ : 6416.0/30

54.356+/-0.978  $\chi^2/\text{NDF}$ : 383.1/16

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -74.322 $\pm$ 0.608  $\chi^2$ /NDF: 1209.2/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 71.152 $\pm$ 0.603  $\chi^2$ /NDF: 1138.8/16

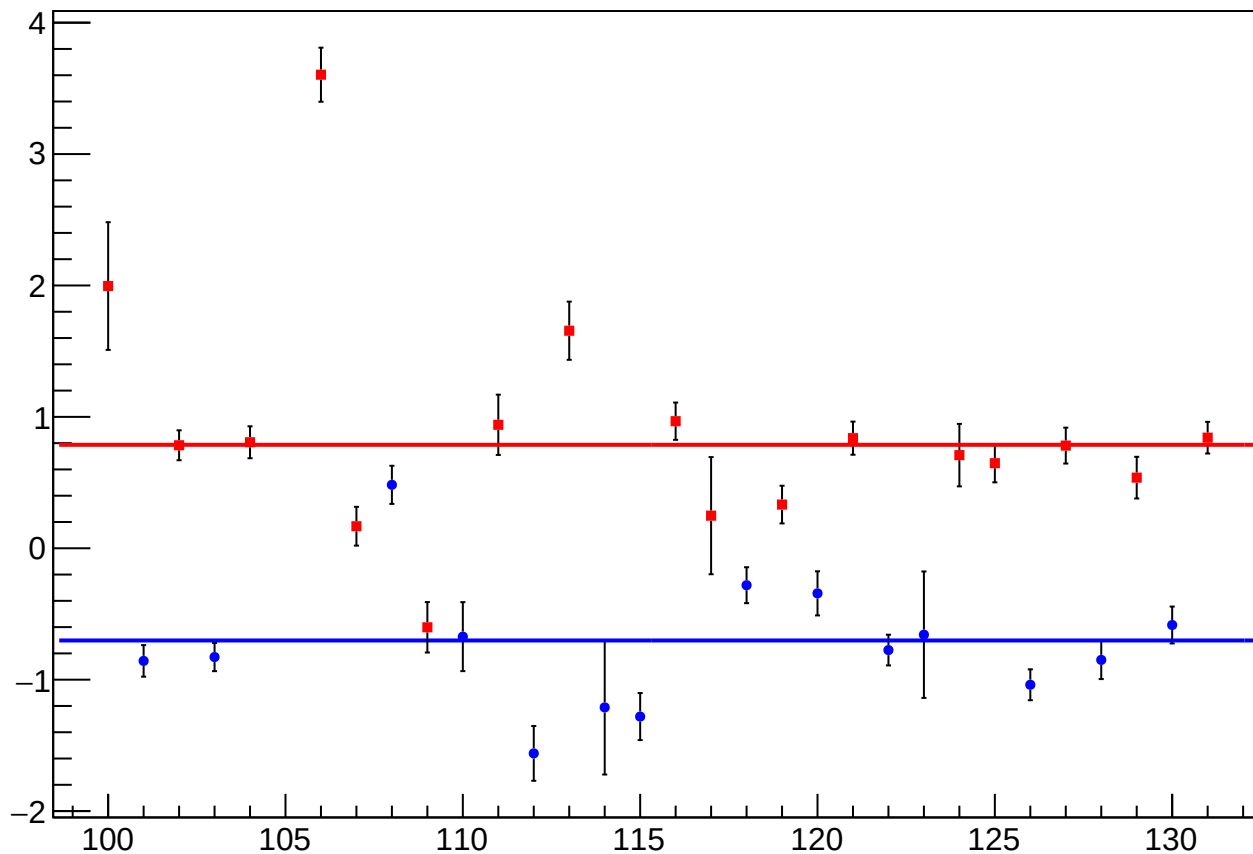
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-74.322 $\pm$ 0.608  $\chi^2$ /NDF: 1209.2/13

-1.044 $\pm$ 0.428  $\chi^2$ /NDF: 31189.5/30

71.152 $\pm$ 0.603  $\chi^2$ /NDF: 1138.8/16

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.702 \pm 0.040$   $\chi^2/\text{NDF}: 122.6/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.787 \pm 0.038$   $\chi^2/\text{NDF}: 296.5/16$

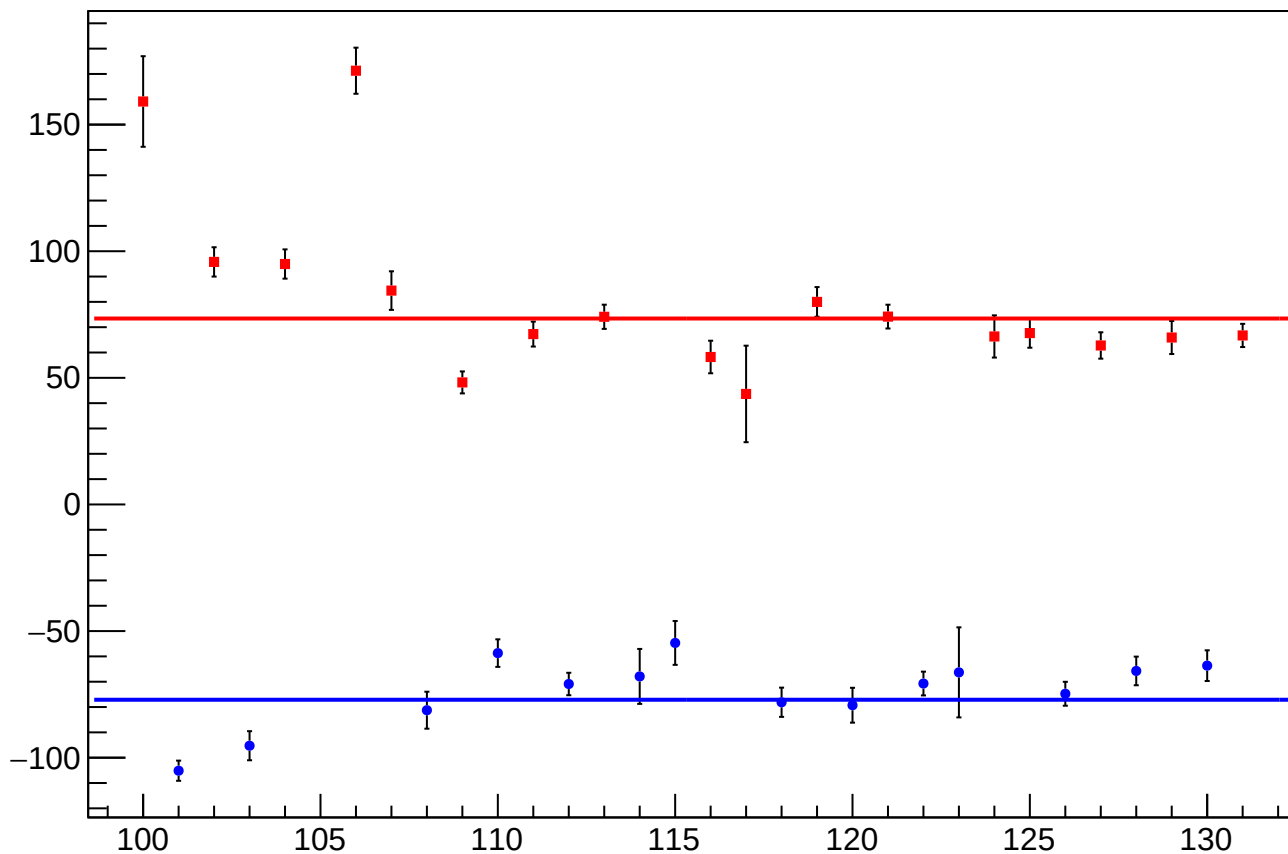
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-0.702 \pm 0.040$   $\chi^2/\text{NDF}: 122.6/13$

$0.081 \pm 0.028$   $\chi^2/\text{NDF}: 1132.7/30$

$0.787 \pm 0.038$   $\chi^2/\text{NDF}: 296.5/16$

reg\_asym\_sam\_26\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -77.117 $\pm$ 1.540  $\chi^2$ /NDF: 92.3/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 73.424 $\pm$ 1.437  $\chi^2$ /NDF: 223.5/16

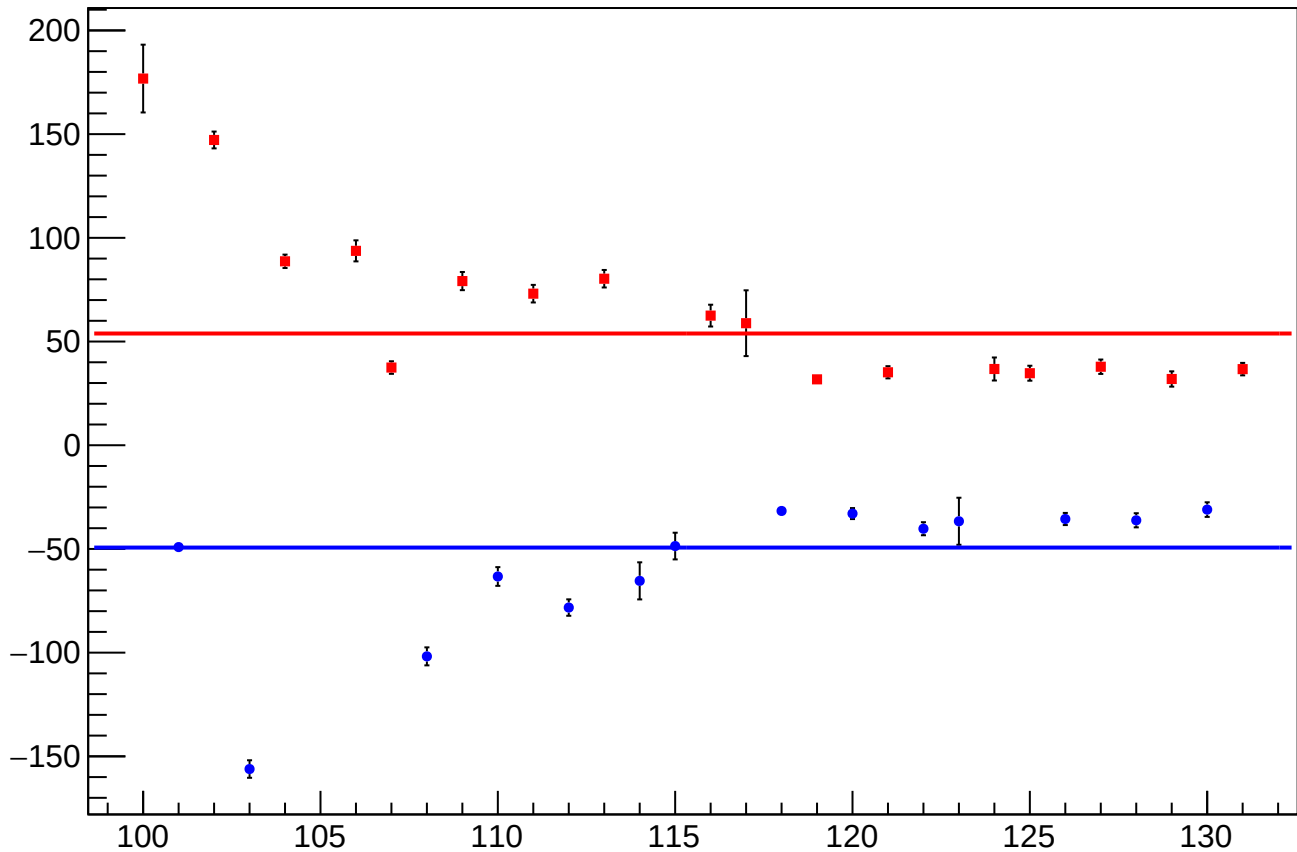
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-77.117 $\pm$ 1.540  $\chi^2$ /NDF: 92.3/13

3.340 $\pm$ 1.051  $\chi^2$ /NDF: 5424.0/30

73.424 $\pm$ 1.437  $\chi^2$ /NDF: 223.5/16

reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-49.339 \pm 0.887$   $\chi^2/\text{NDF}$ : 1030.0/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $53.870 \pm 0.912$   $\chi^2/\text{NDF}$ : 1153.2/16

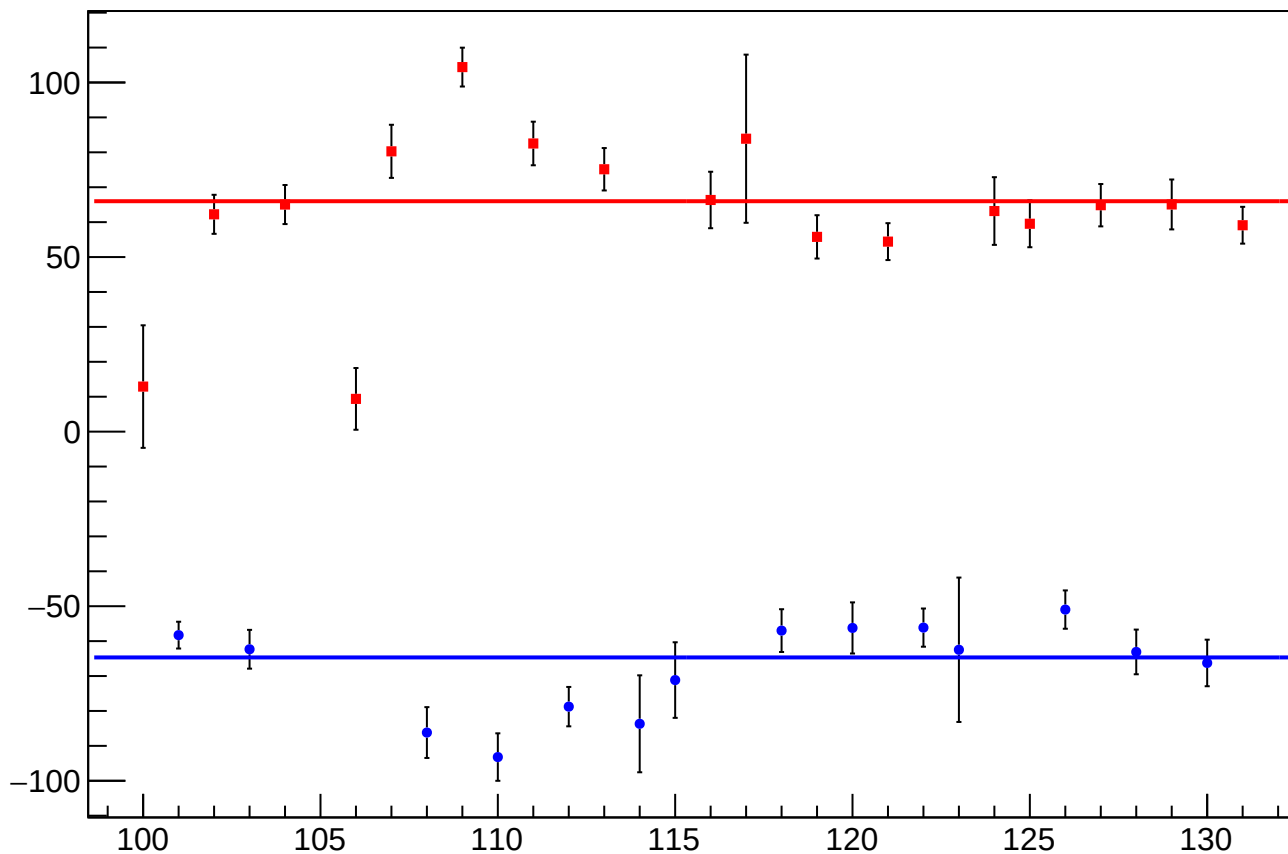
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-49.339 \pm 0.887$   $\chi^2/\text{NDF}$ : 1030.0/13

$0.843 \pm 0.636$   $\chi^2/\text{NDF}$ : 8766.7/30

$53.870 \pm 0.912$   $\chi^2/\text{NDF}$ : 1153.2/16

reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-64.671 \pm 1.697$   $\chi^2/\text{NDF}$ : 49.5/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $65.996 \pm 1.629$   $\chi^2/\text{NDF}$ : 121.9/16

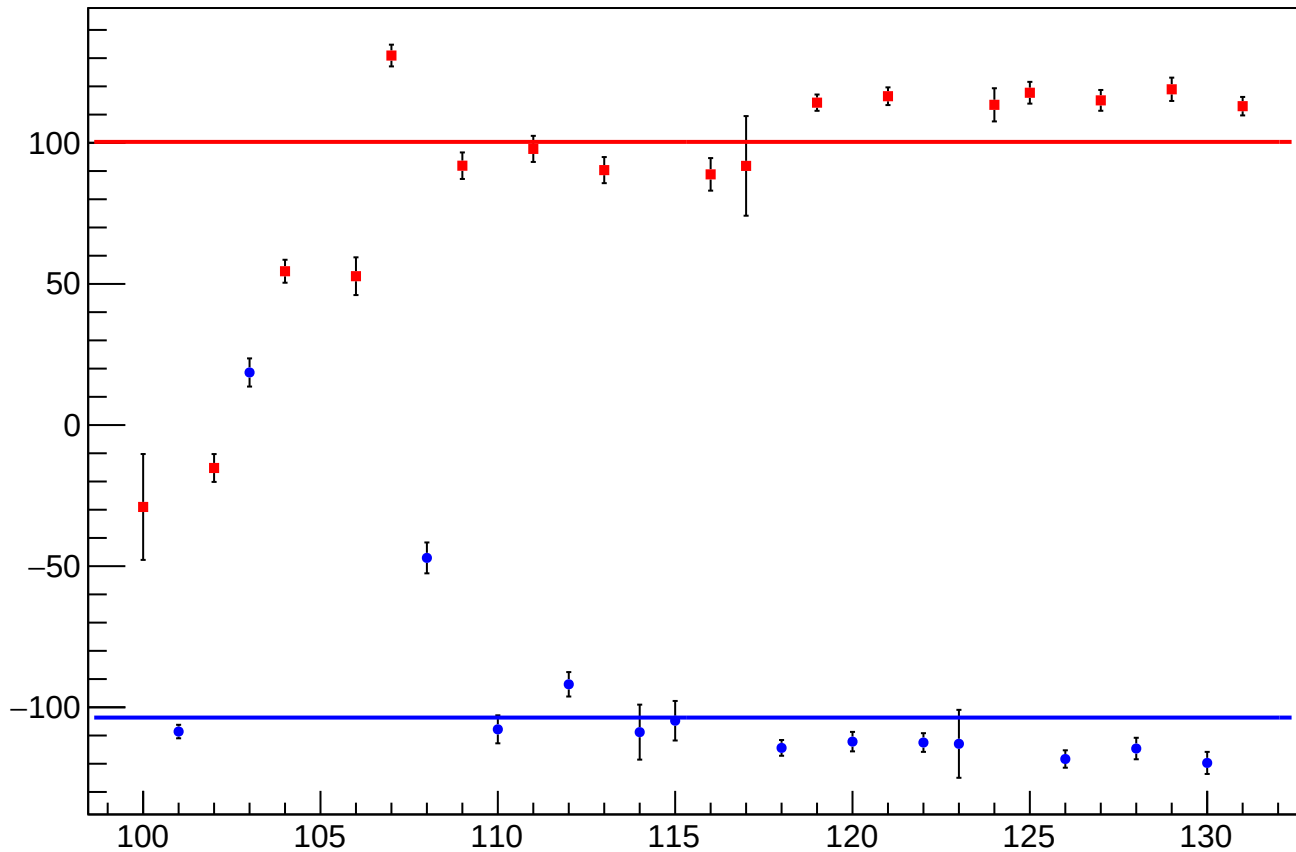
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-64.671 \pm 1.697$   $\chi^2/\text{NDF}$ : 49.5/13

$3.331 \pm 1.175$   $\chi^2/\text{NDF}$ : 3255.7/30

$65.996 \pm 1.629$   $\chi^2/\text{NDF}$ : 121.9/16

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -103.642+/-1.041  $\chi^2/\text{NDF}$ : 796.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 100.327+/-1.049  $\chi^2/\text{NDF}$ : 975.0/16

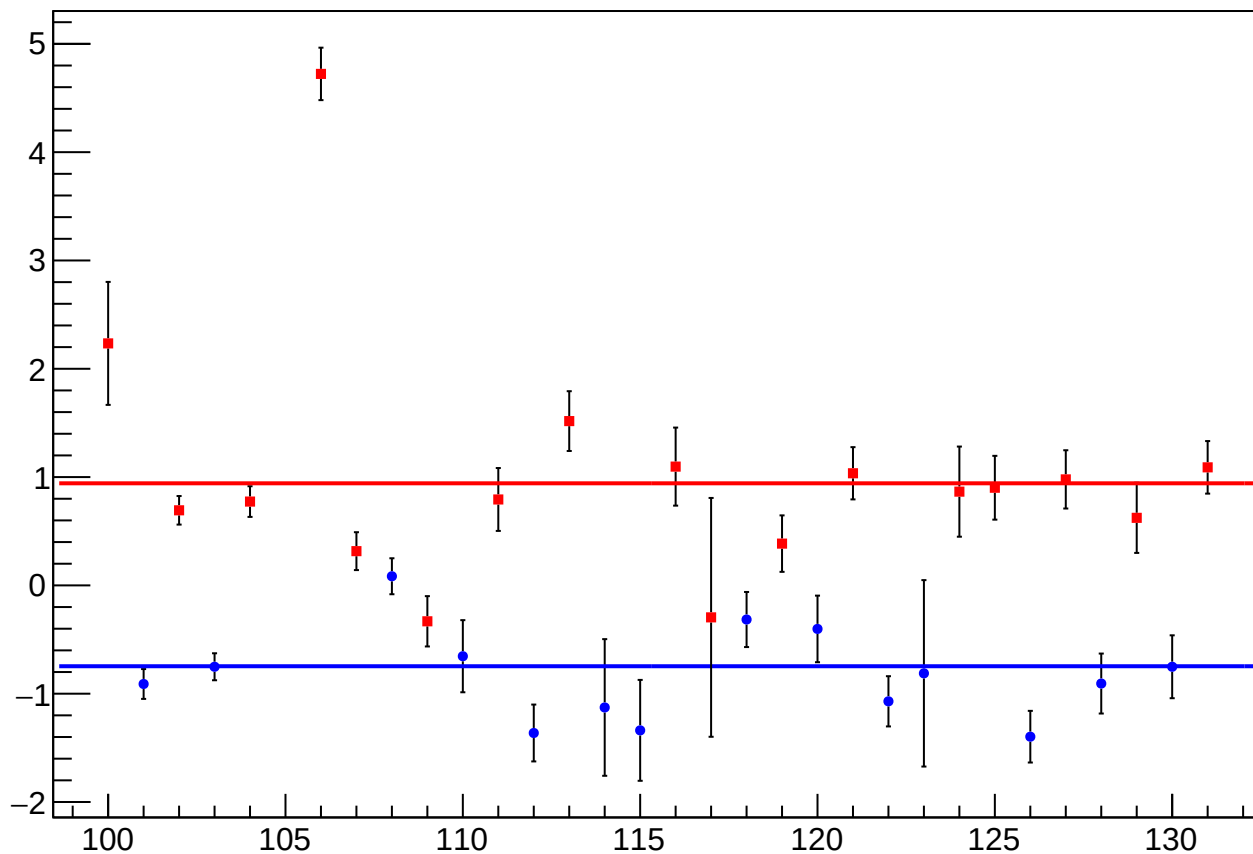
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-103.642+/-1.041  $\chi^2/\text{NDF}$ : 796.0/13

-2.401+/-0.739  $\chi^2/\text{NDF}$ : 20826.1/30

100.327+/-1.049  $\chi^2/\text{NDF}$ : 975.0/16

reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.746+/-0.061  $\chi^2/\text{NDF}$ : 47.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.943+/-0.058  $\chi^2/\text{NDF}$ : 308.9/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

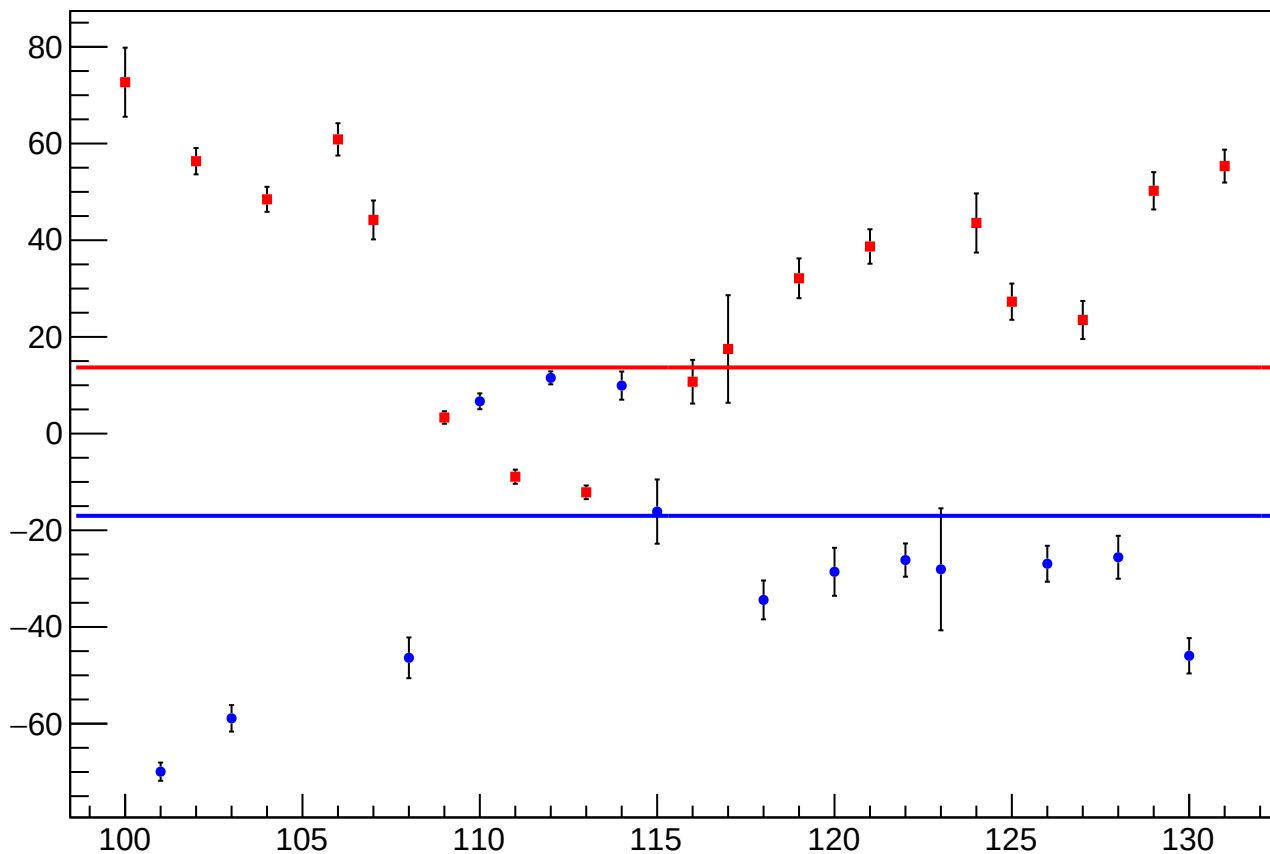
-0.746+/-0.061  $\chi^2/\text{NDF}$ : 47.9/13

0.141+/-0.042  $\chi^2/\text{NDF}$ : 765.3/30

0.943+/-0.058  $\chi^2/\text{NDF}$ : 308.9/16



reg\_asym\_sam\_48\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-17.009 \pm 0.720$   $\chi^2/\text{NDF}$ : 1922.3/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $13.686 \pm 0.629$   $\chi^2/\text{NDF}$ : 1739.7/16

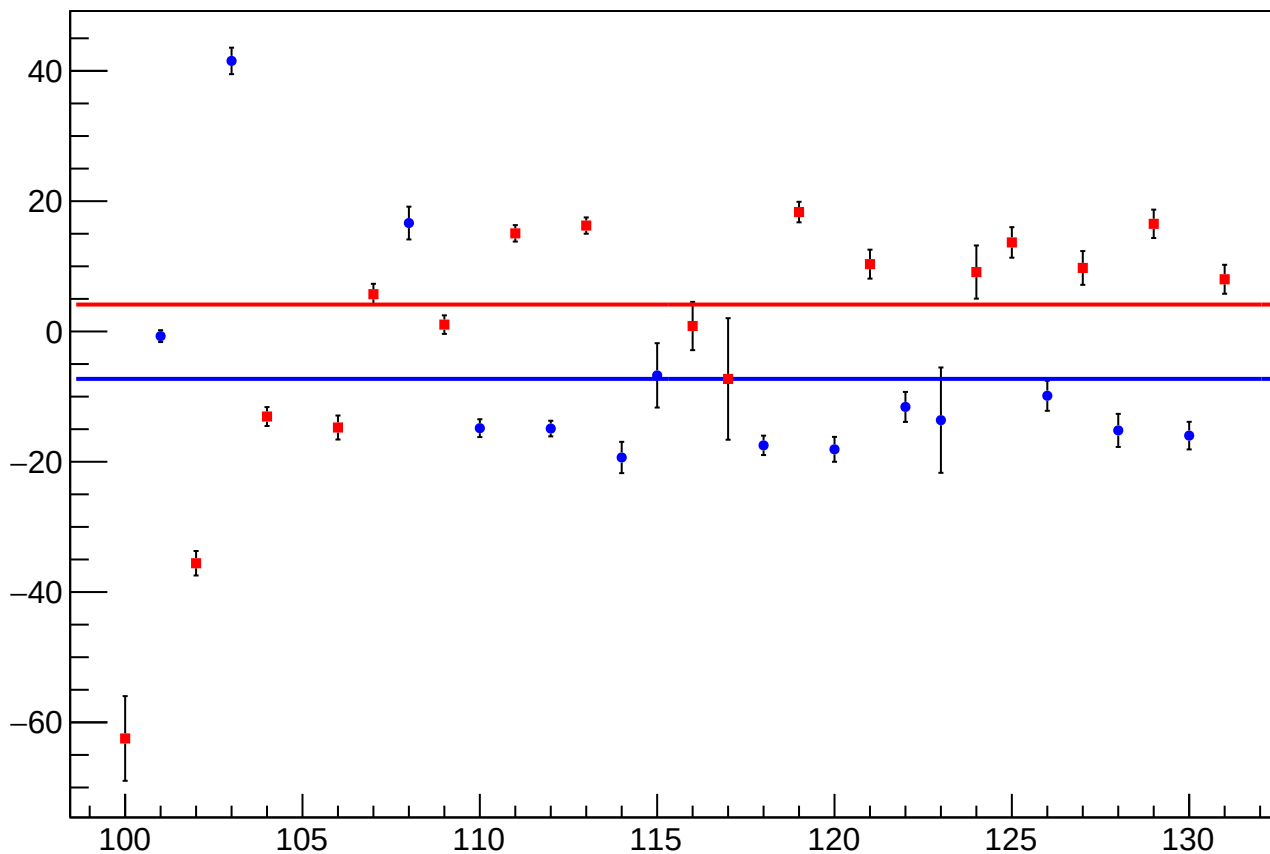
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-17.009 \pm 0.720$   $\chi^2/\text{NDF}$ : 1922.3/13

$0.400 \pm 0.474$   $\chi^2/\text{NDF}$ : 4692.9/30

$13.686 \pm 0.629$   $\chi^2/\text{NDF}$ : 1739.7/16

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -7.278+/-0.469  $\chi^2/\text{NDF}$ : 926.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.133+/-0.460  $\chi^2/\text{NDF}$ : 1121.2/16

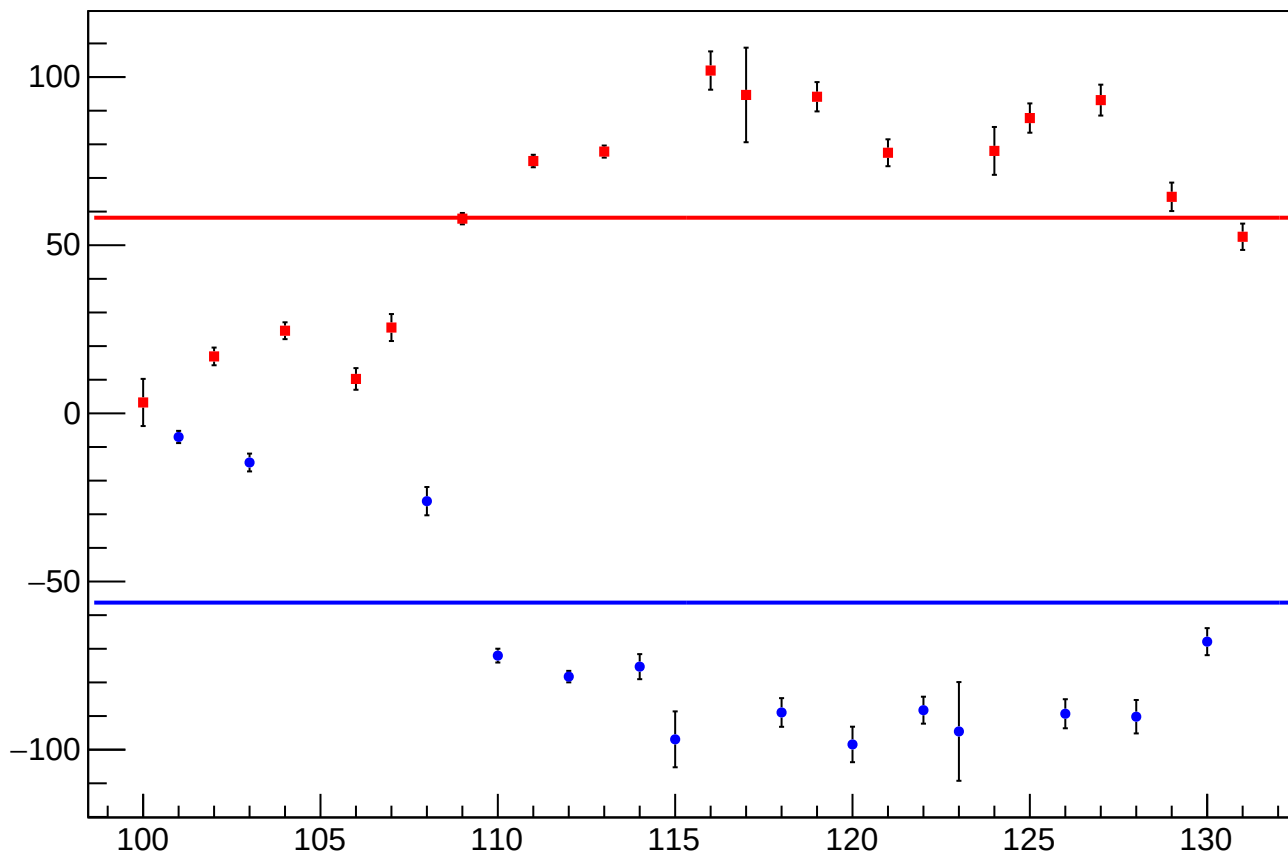
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-7.278+/-0.469  $\chi^2/\text{NDF}$ : 926.6/13

-1.461+/-0.328  $\chi^2/\text{NDF}$ : 2349.5/30

4.133+/-0.460  $\chi^2/\text{NDF}$ : 1121.2/16

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -56.269+/-0.822  $\chi^2/\text{NDF}$ : 1615.1/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 58.179+/-0.741  $\chi^2/\text{NDF}$ : 1250.2/16

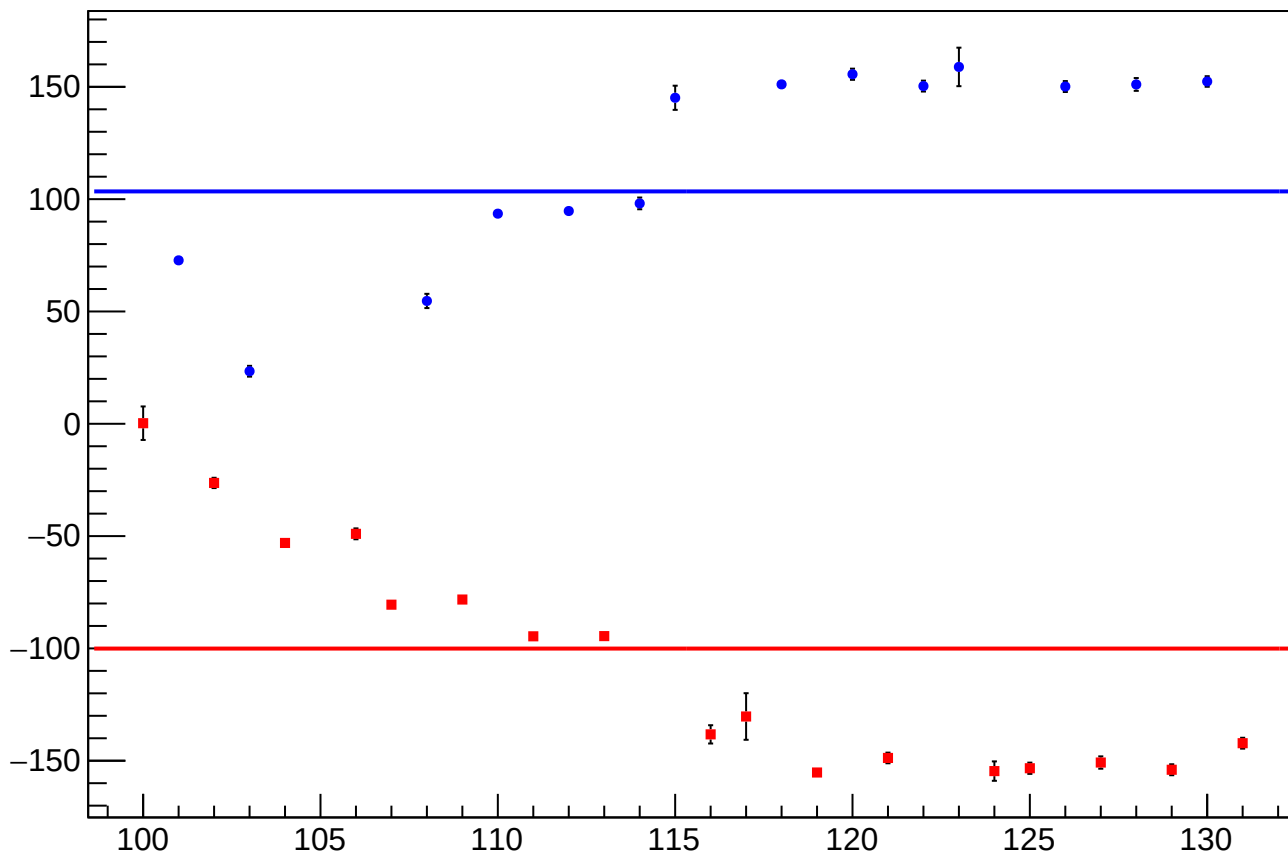
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-56.269+/-0.822  $\chi^2/\text{NDF}$ : 1615.1/13

6.881+/-0.550  $\chi^2/\text{NDF}$ : 13572.0/30

58.179+/-0.741  $\chi^2/\text{NDF}$ : 1250.2/16

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 103.450+/-0.545  $\chi^2/\text{NDF}$ : 4802.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -100.071+/-0.526  $\chi^2/\text{NDF}$ : 5668.1/16

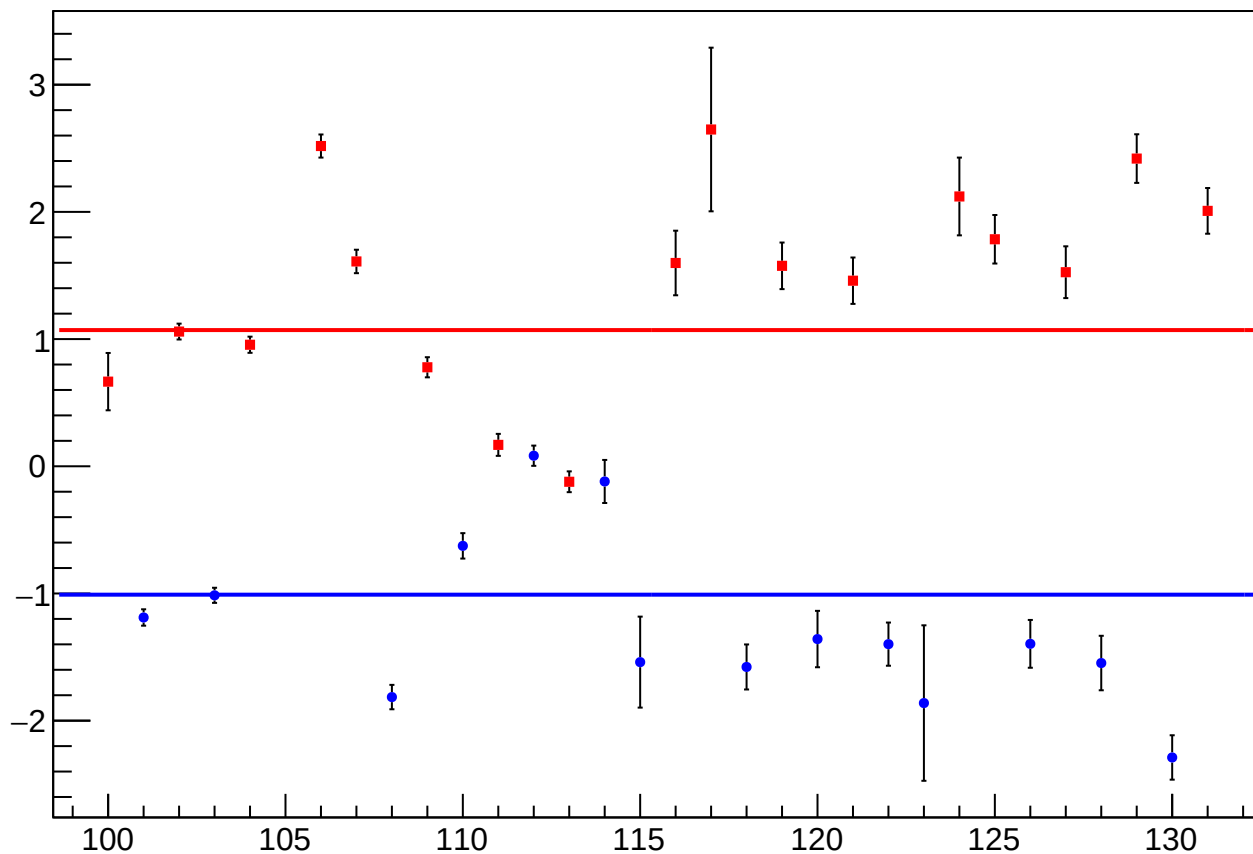
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

103.450+/-0.545  $\chi^2/\text{NDF}$ : 4802.5/13

-1.779+/-0.378  $\chi^2/\text{NDF}$ : 82705.9/30

-100.071+/-0.526  $\chi^2/\text{NDF}$ : 5668.1/16

reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.009+/-0.030  $\chi^2$ /NDF: 395.6/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.071+/-0.027  $\chi^2$ /NDF: 760.3/16

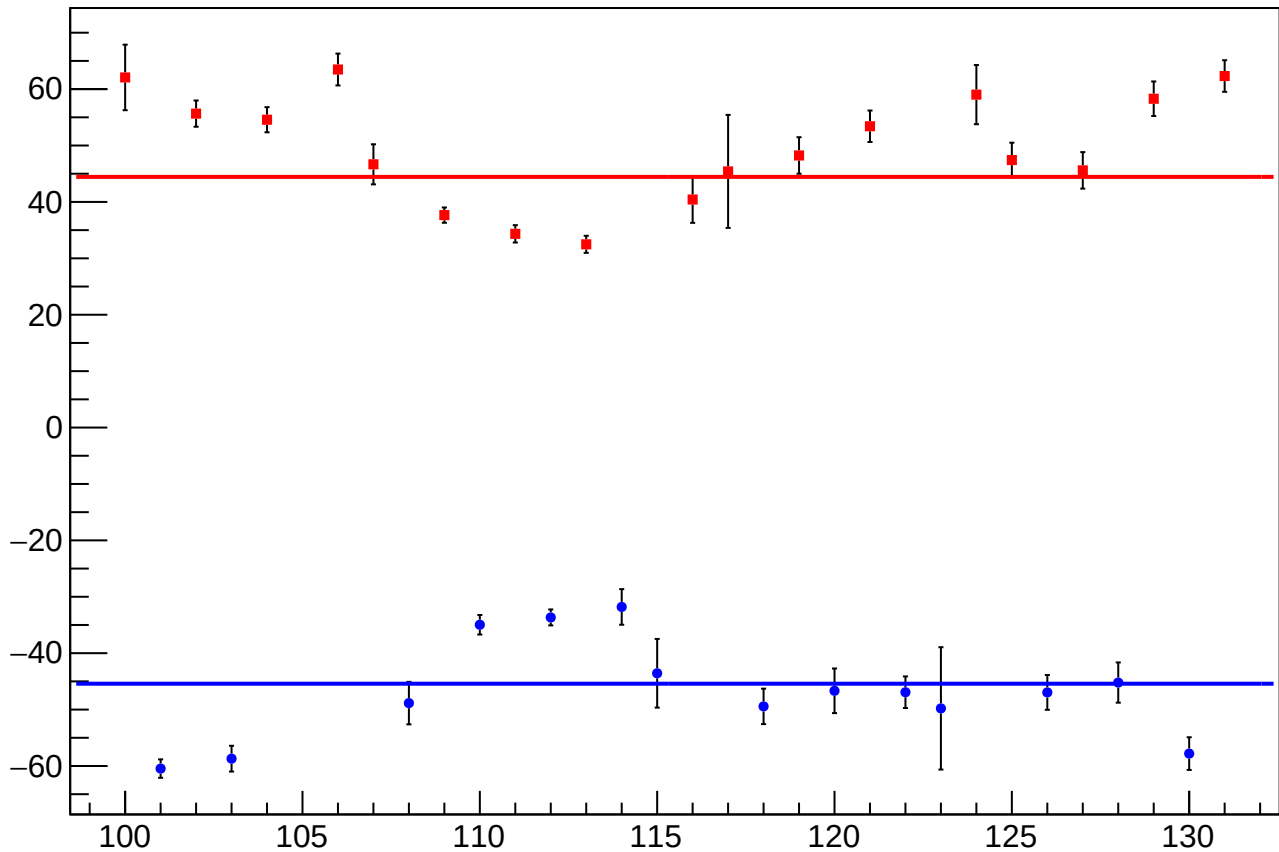
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-1.009+/-0.030  $\chi^2$ /NDF: 395.6/13

0.155+/-0.020  $\chi^2$ /NDF: 3835.2/30

1.071+/-0.027  $\chi^2$ /NDF: 760.3/16

reg\_asym\_sam\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-45.412 \pm 0.674$   $\chi^2/\text{NDF}$ : 264.3/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $44.442 \pm 0.599$   $\chi^2/\text{NDF}$ : 312.3/16

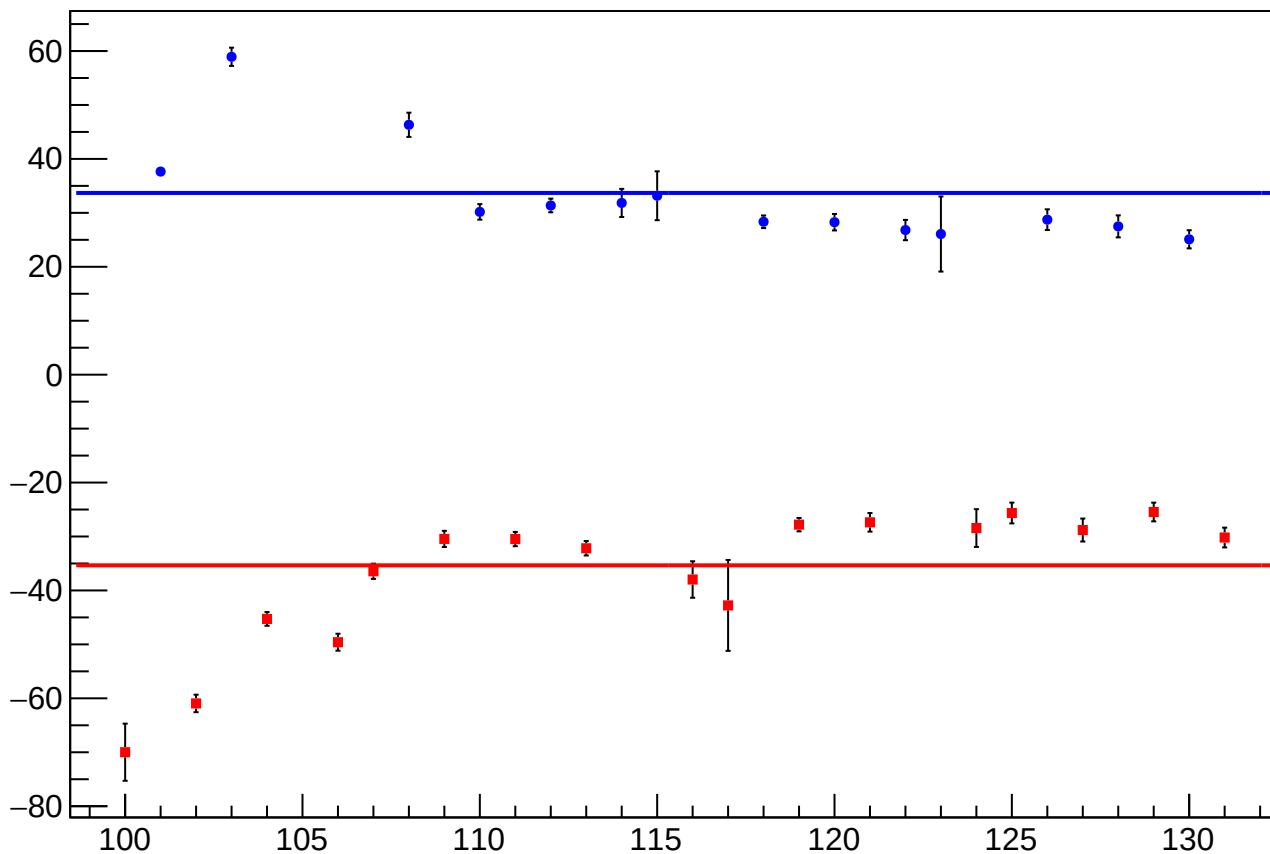
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-45.412 \pm 0.674$   $\chi^2/\text{NDF}$ : 264.3/13

$4.824 \pm 0.448$   $\chi^2/\text{NDF}$ : 10507.9/30

$44.442 \pm 0.599$   $\chi^2/\text{NDF}$ : 312.3/16

reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 33.692 $\pm$ 0.416  $\chi^2$ /NDF: 379.6/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -35.342 $\pm$ 0.415  $\chi^2$ /NDF: 603.4/16

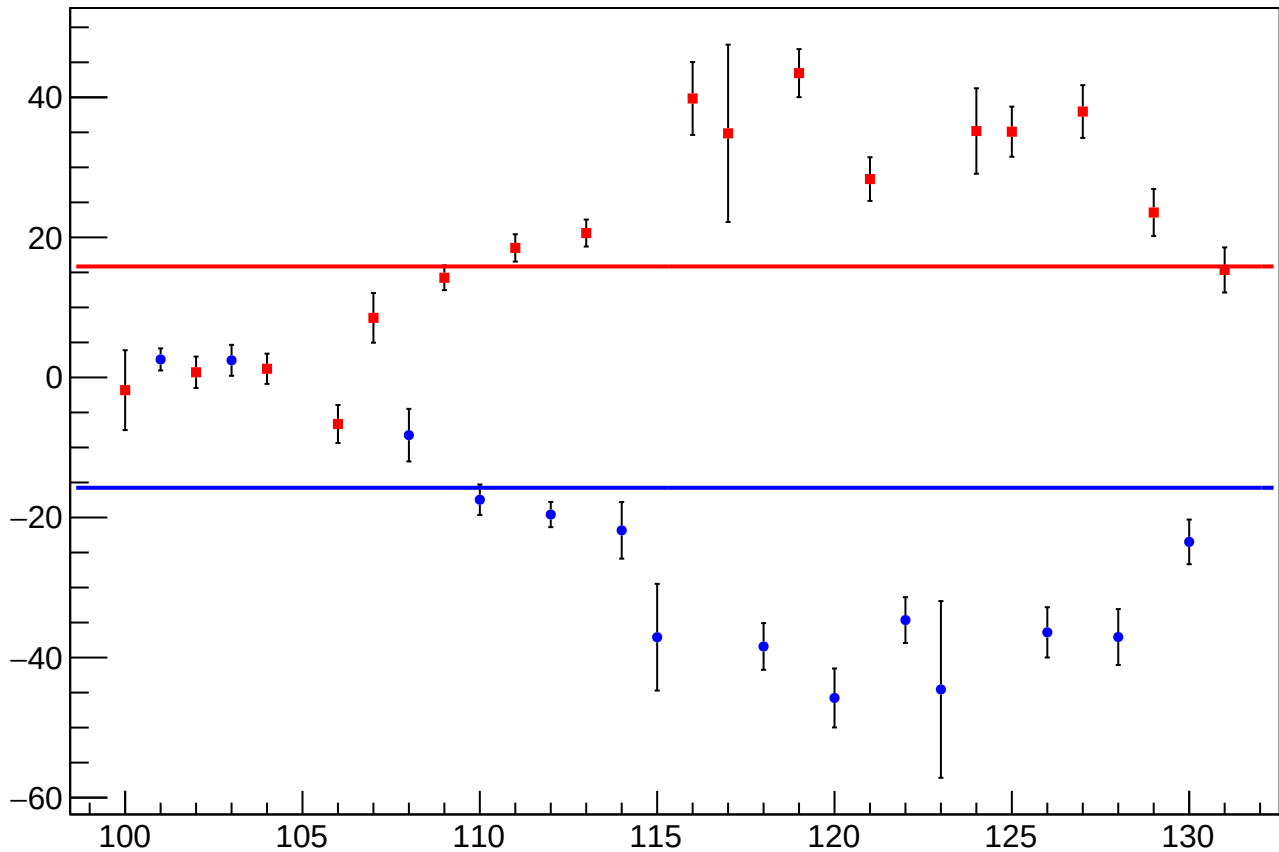
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

33.692 $\pm$ 0.416  $\chi^2$ /NDF: 379.6/13

-0.883 $\pm$ 0.294  $\chi^2$ /NDF: 14777.6/30

-35.342 $\pm$ 0.415  $\chi^2$ /NDF: 603.4/16

reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -15.753 $\pm$ 0.753  $\chi^2$ /NDF: 425.8/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 15.849 $\pm$ 0.689  $\chi^2$ /NDF: 365.6/16

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

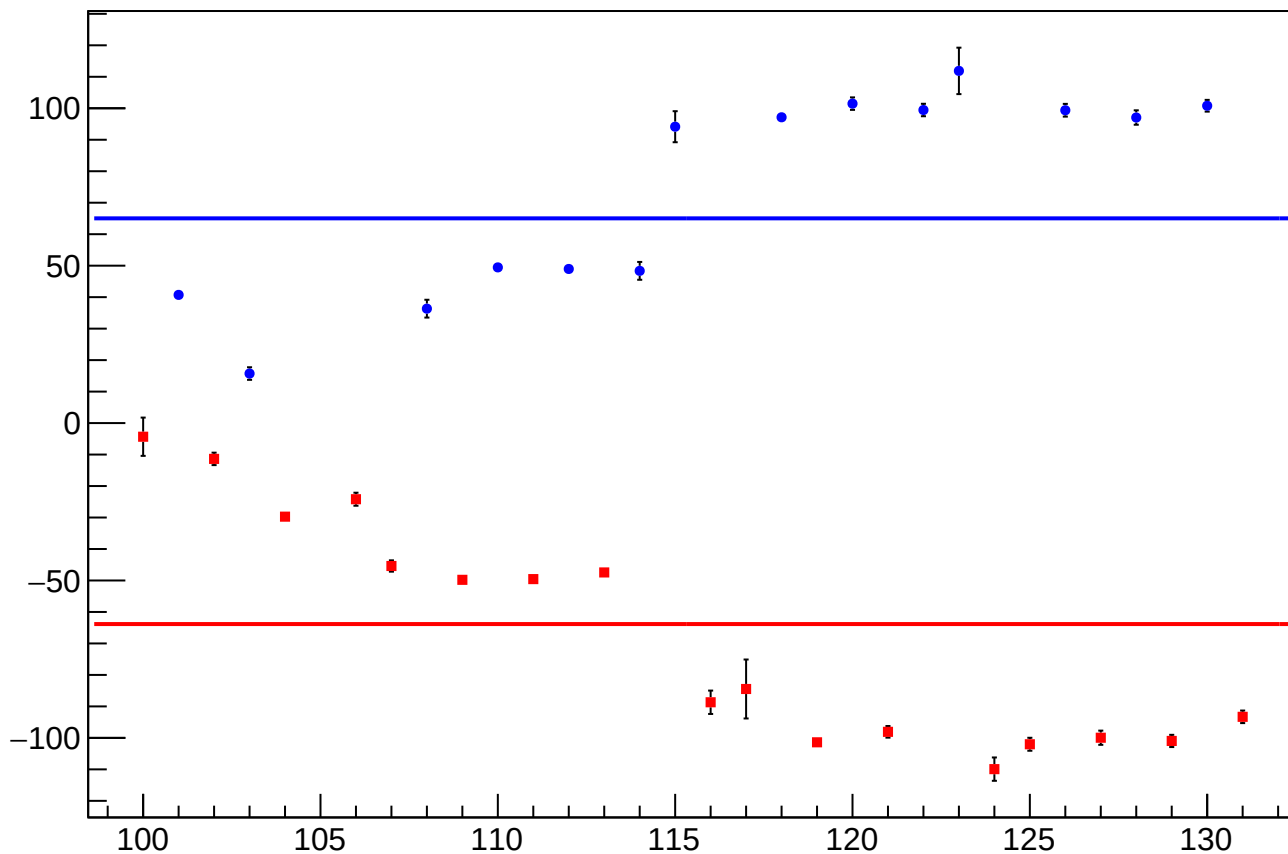
-15.753 $\pm$ 0.753  $\chi^2$ /NDF: 425.8/13

1.442 $\pm$ 0.508  $\chi^2$ /NDF: 1749.5/30

15.849 $\pm$ 0.689  $\chi^2$ /NDF: 365.6/16



reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 65.031+/-0.487  $\chi^2/\text{NDF}$ : 3625.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -63.844+/-0.479  $\chi^2/\text{NDF}$ : 4319.3/16

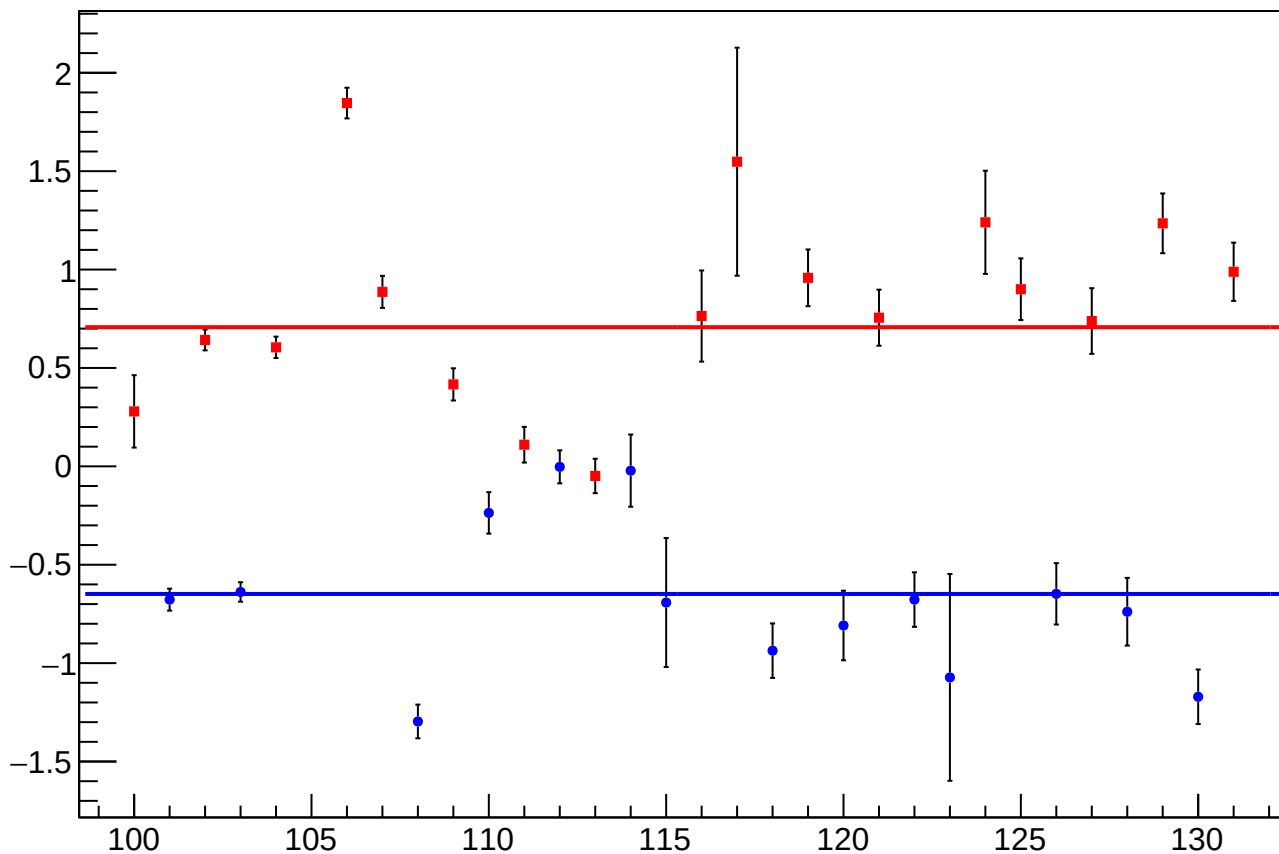
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

65.031+/-0.487  $\chi^2/\text{NDF}$ : 3625.9/13

-0.479+/-0.341  $\chi^2/\text{NDF}$ : 43574.5/30

-63.844+/-0.479  $\chi^2/\text{NDF}$ : 4319.3/16

reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.649 \pm 0.027$   $\chi^2/\text{NDF}$ : 164.1/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.707 \pm 0.024$   $\chi^2/\text{NDF}$ : 386.4/16

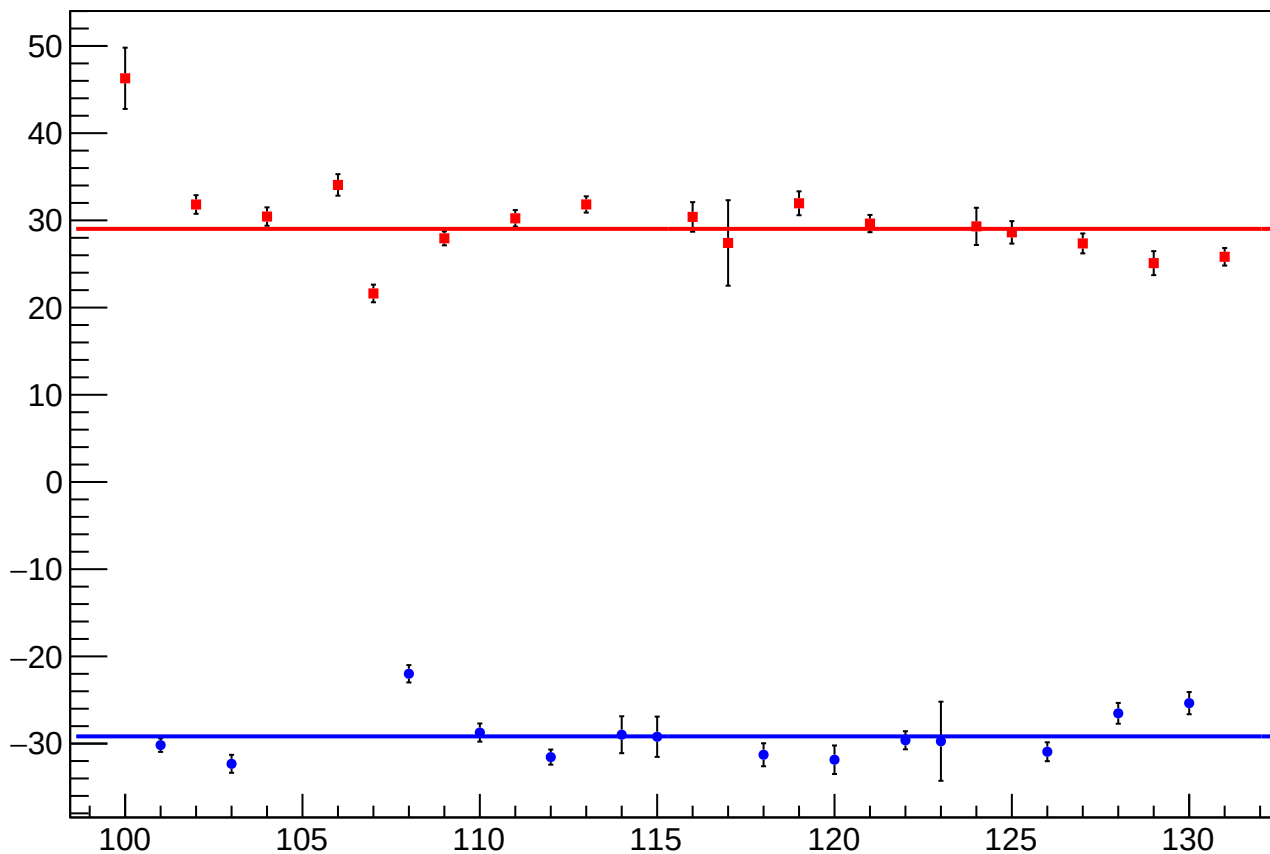
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.649 \pm 0.027$   $\chi^2/\text{NDF}$ : 164.1/13

$0.102 \pm 0.018$   $\chi^2/\text{NDF}$ : 1977.0/30

$0.707 \pm 0.024$   $\chi^2/\text{NDF}$ : 386.4/16

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-29.173 \pm 0.311$   $\chi^2/\text{NDF}: 92.8/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $29.026 \pm 0.285$   $\chi^2/\text{NDF}: 141.8/16$

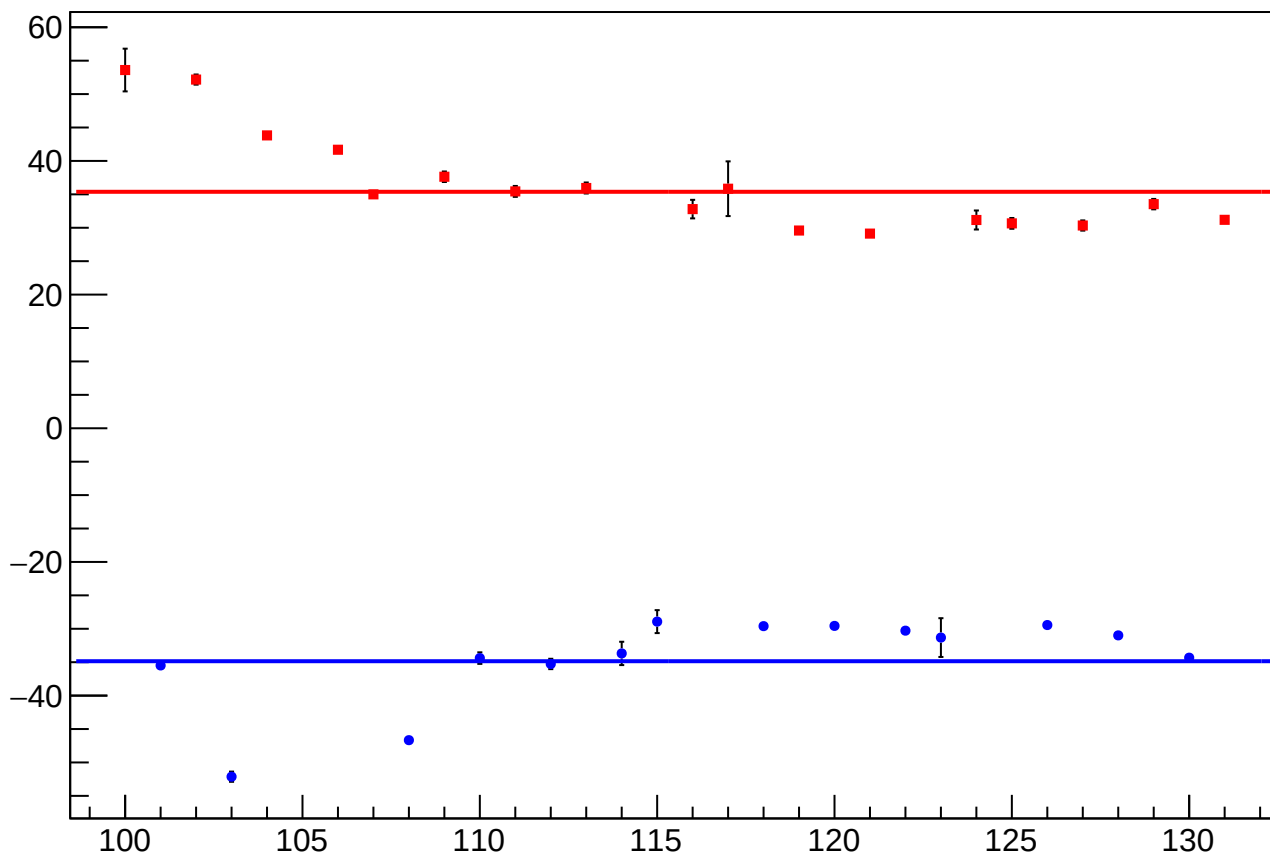
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-29.173 \pm 0.311$   $\chi^2/\text{NDF}: 92.8/13$

$2.476 \pm 0.210$   $\chi^2/\text{NDF}: 19309.6/30$

$29.026 \pm 0.285$   $\chi^2/\text{NDF}: 141.8/16$

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -34.854+/-0.183  $\chi^2/\text{NDF}$ : 1247.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 35.382+/-0.178  $\chi^2/\text{NDF}$ : 1172.8/16

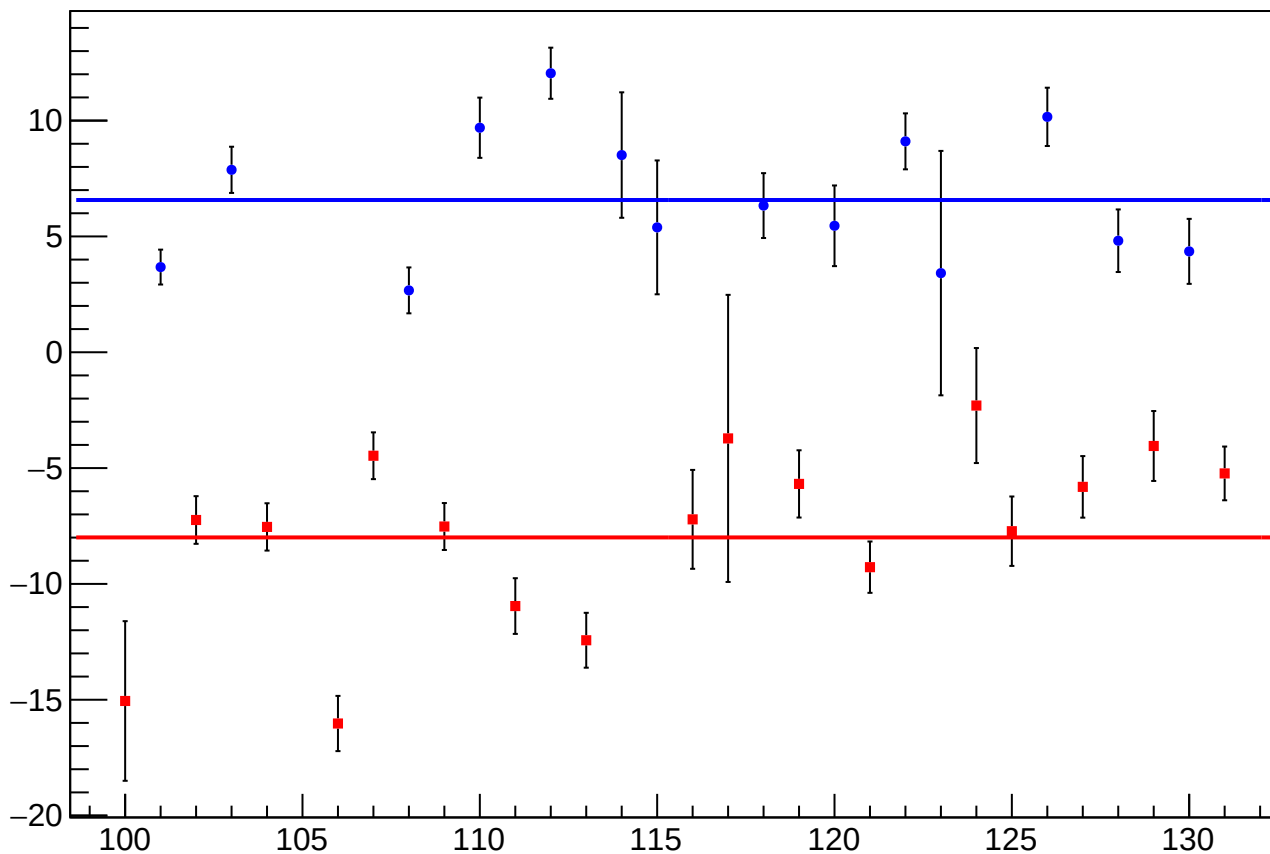
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-34.854+/-0.183  $\chi^2/\text{NDF}$ : 1247.0/13

1.275+/-0.127  $\chi^2/\text{NDF}$ : 78354.1/30

35.382+/-0.178  $\chi^2/\text{NDF}$ : 1172.8/16

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.572+/-0.339  $\chi^2/\text{NDF}$ : 80.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.993+/-0.317  $\chi^2/\text{NDF}$ : 107.9/16

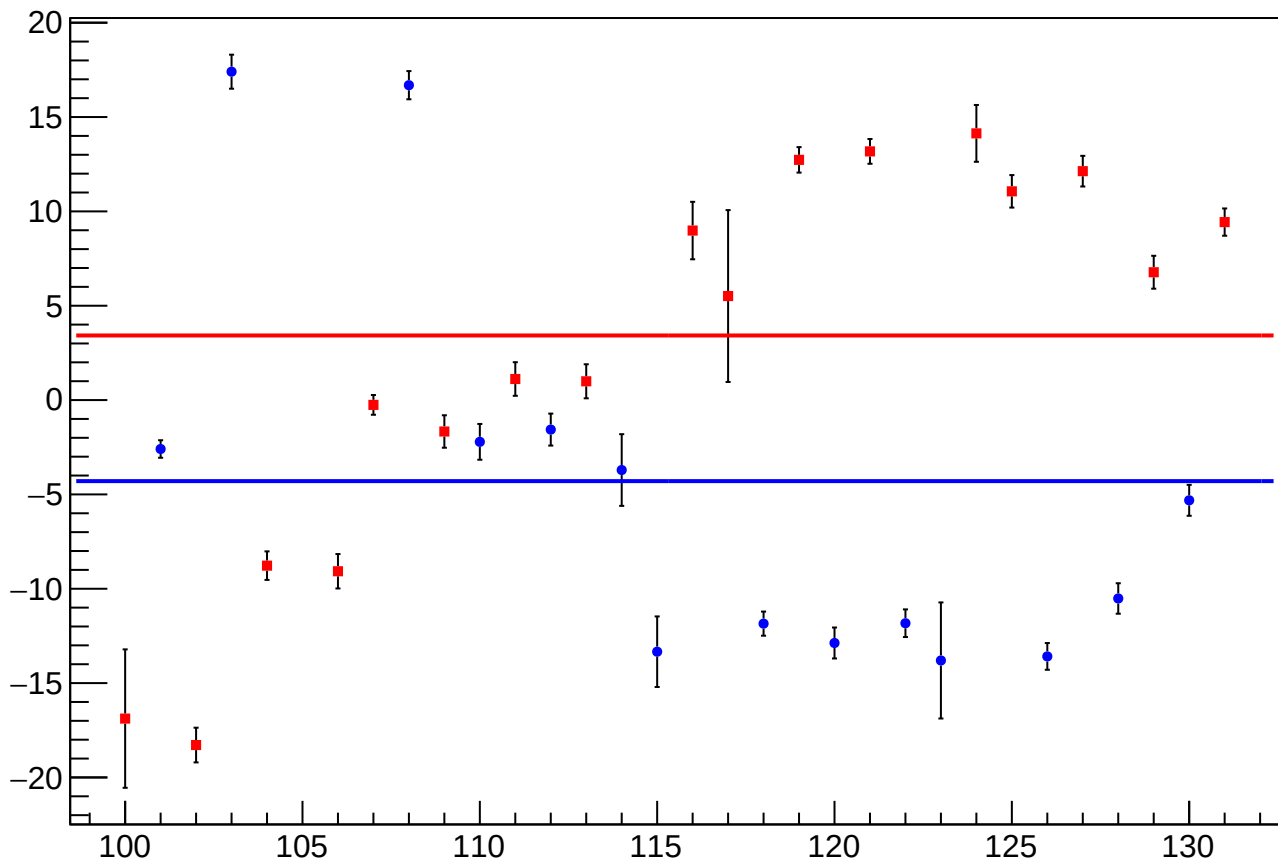
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.572+/-0.339  $\chi^2/\text{NDF}$ : 80.5/13

-1.195+/-0.232  $\chi^2/\text{NDF}$ : 1173.2/30

-7.993+/-0.317  $\chi^2/\text{NDF}$ : 107.9/16

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -4.296+/-0.215  $\chi^2/\text{NDF}$ : 2016.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.424+/-0.207  $\chi^2/\text{NDF}$ : 1887.0/16

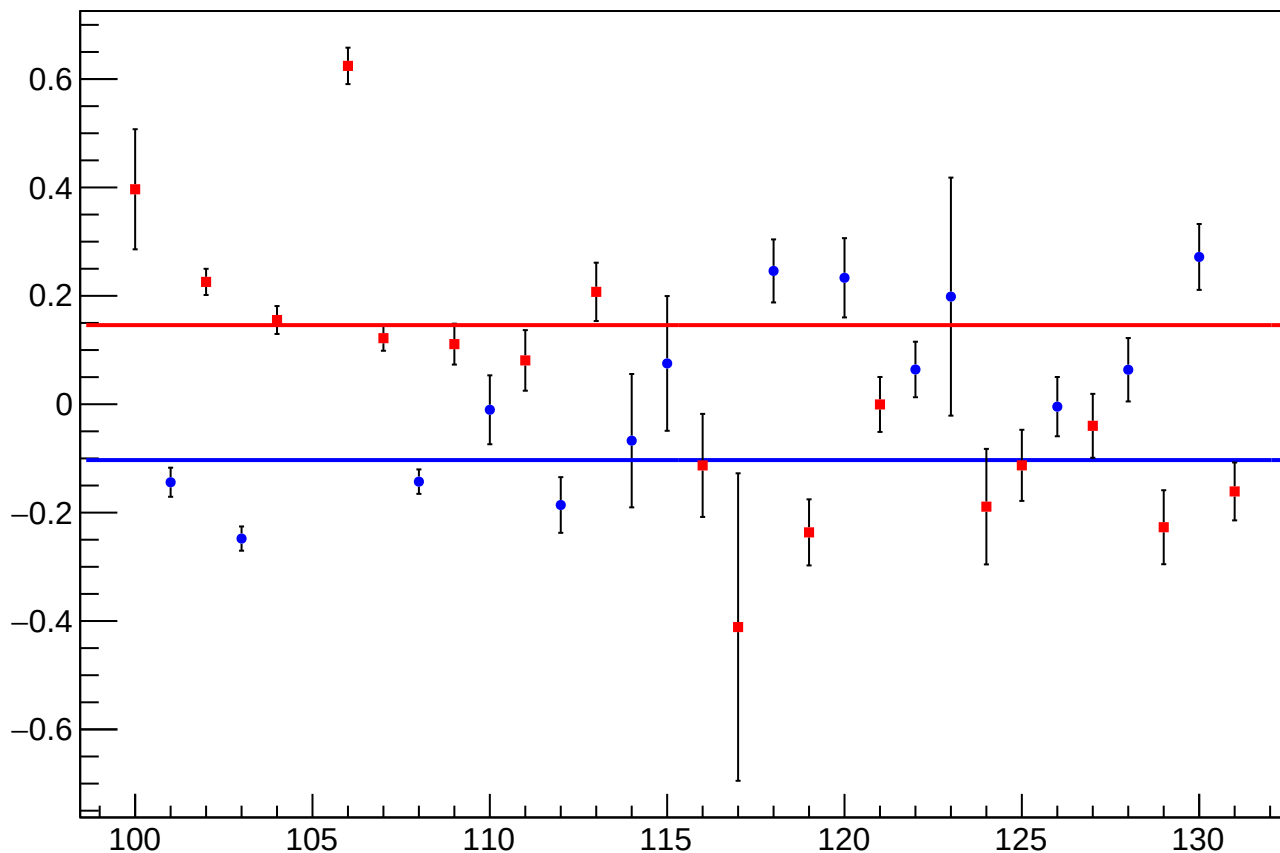
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.296+/-0.215  $\chi^2/\text{NDF}$ : 2016.2/13

-0.299+/-0.149  $\chi^2/\text{NDF}$ : 4571.0/30

3.424+/-0.207  $\chi^2/\text{NDF}$ : 1887.0/16

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.103 \pm 0.011$   $\chi^2/\text{NDF}$ : 173.4/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.146 \pm 0.010$   $\chi^2/\text{NDF}$ : 380.4/16

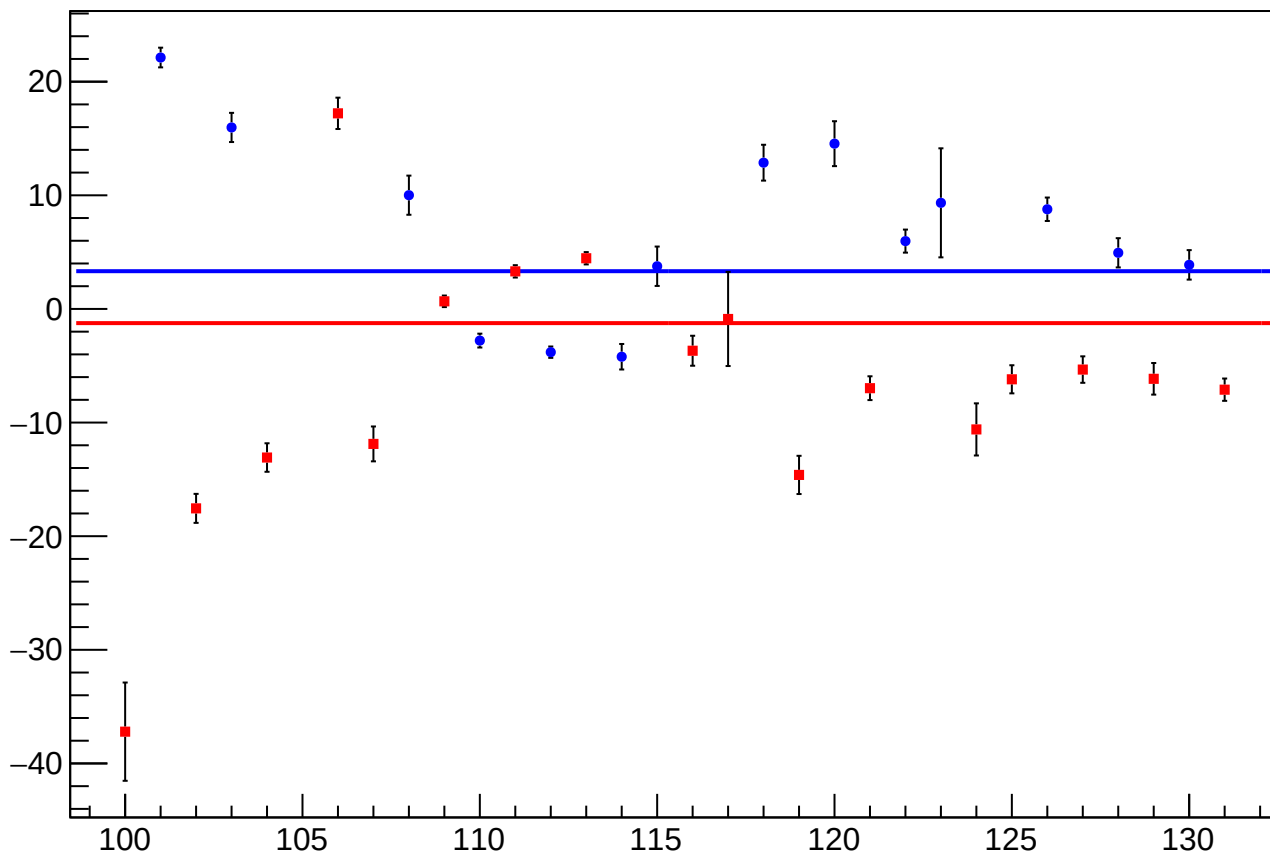
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.103 \pm 0.011$   $\chi^2/\text{NDF}$ : 173.4/13

$0.032 \pm 0.008$   $\chi^2/\text{NDF}$ : 819.4/30

$0.146 \pm 0.010$   $\chi^2/\text{NDF}$ : 380.4/16

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 3.322+/-0.268  $\chi^2/\text{NDF}$ : 1039.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.248+/-0.236  $\chi^2/\text{NDF}$ : 932.9/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

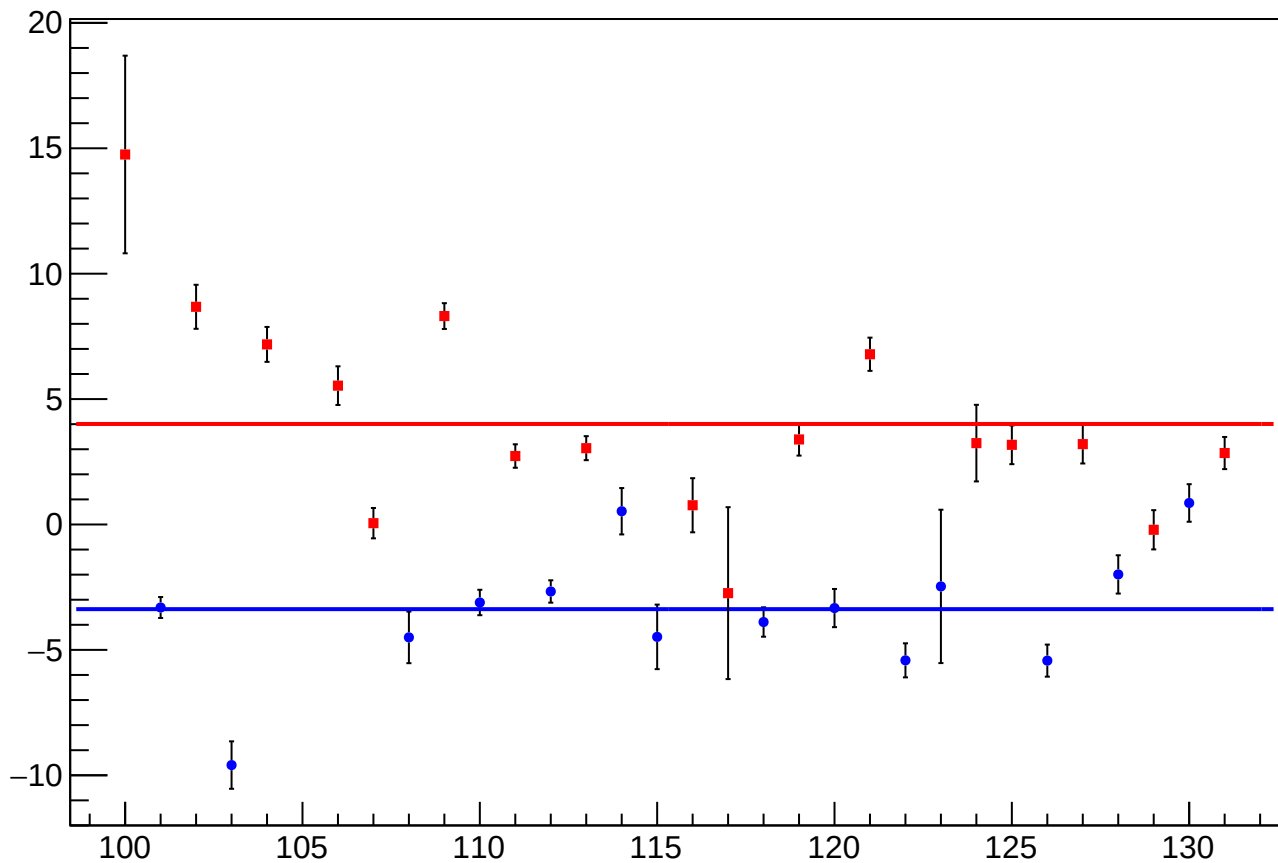
3.322+/-0.268  $\chi^2/\text{NDF}$ : 1039.0/13

0.749+/-0.177  $\chi^2/\text{NDF}$ : 2135.6/30

-1.248+/-0.236  $\chi^2/\text{NDF}$ : 932.9/16



reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.376+/-0.179  $\chi^2/\text{NDF}$ : 121.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.008+/-0.171  $\chi^2/\text{NDF}$ : 251.1/16

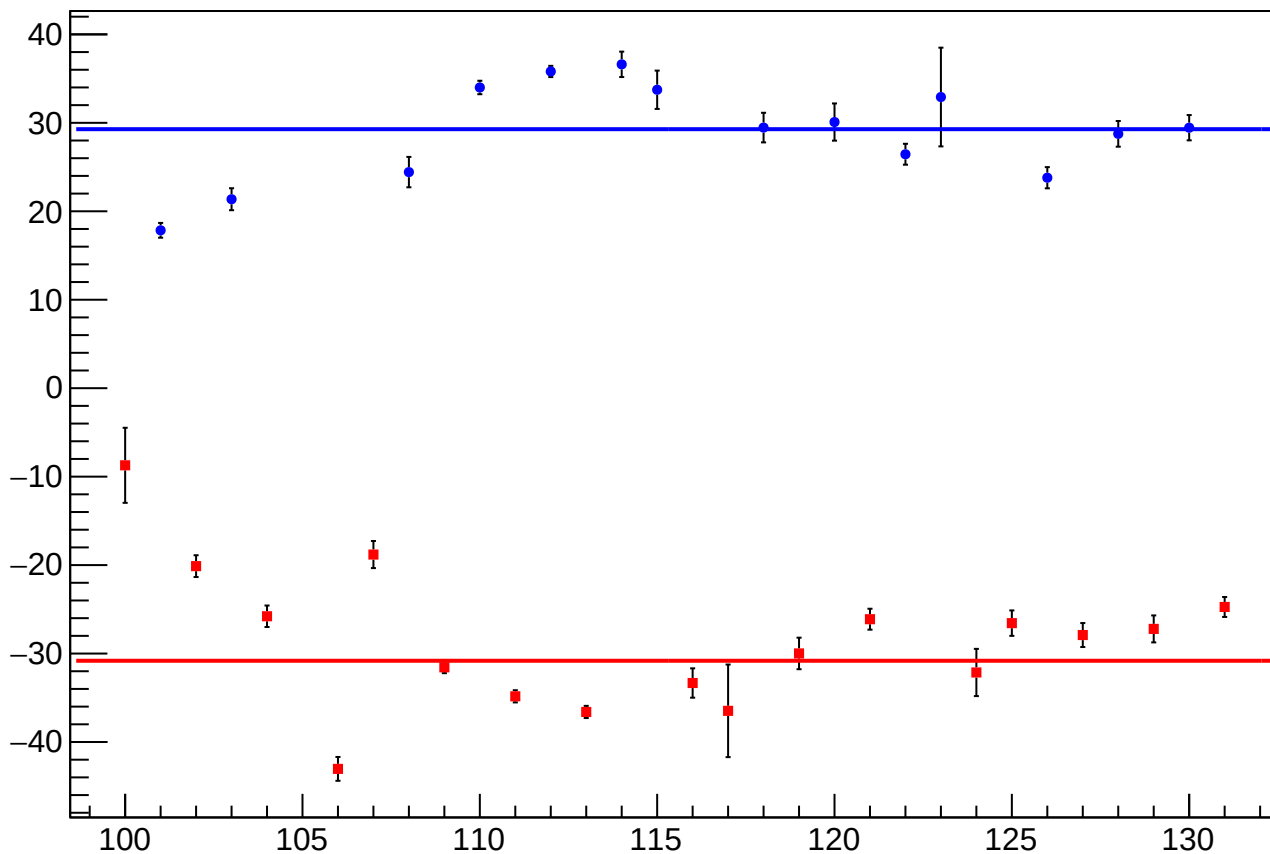
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3.376+/-0.179  $\chi^2/\text{NDF}$ : 121.2/13

0.468+/-0.124  $\chi^2/\text{NDF}$ : 1262.3/30

4.008+/-0.171  $\chi^2/\text{NDF}$ : 251.1/16

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 29.282+/-0.311  $\chi^2$ /NDF: 437.6/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -30.814+/-0.281  $\chi^2$ /NDF: 436.9/16

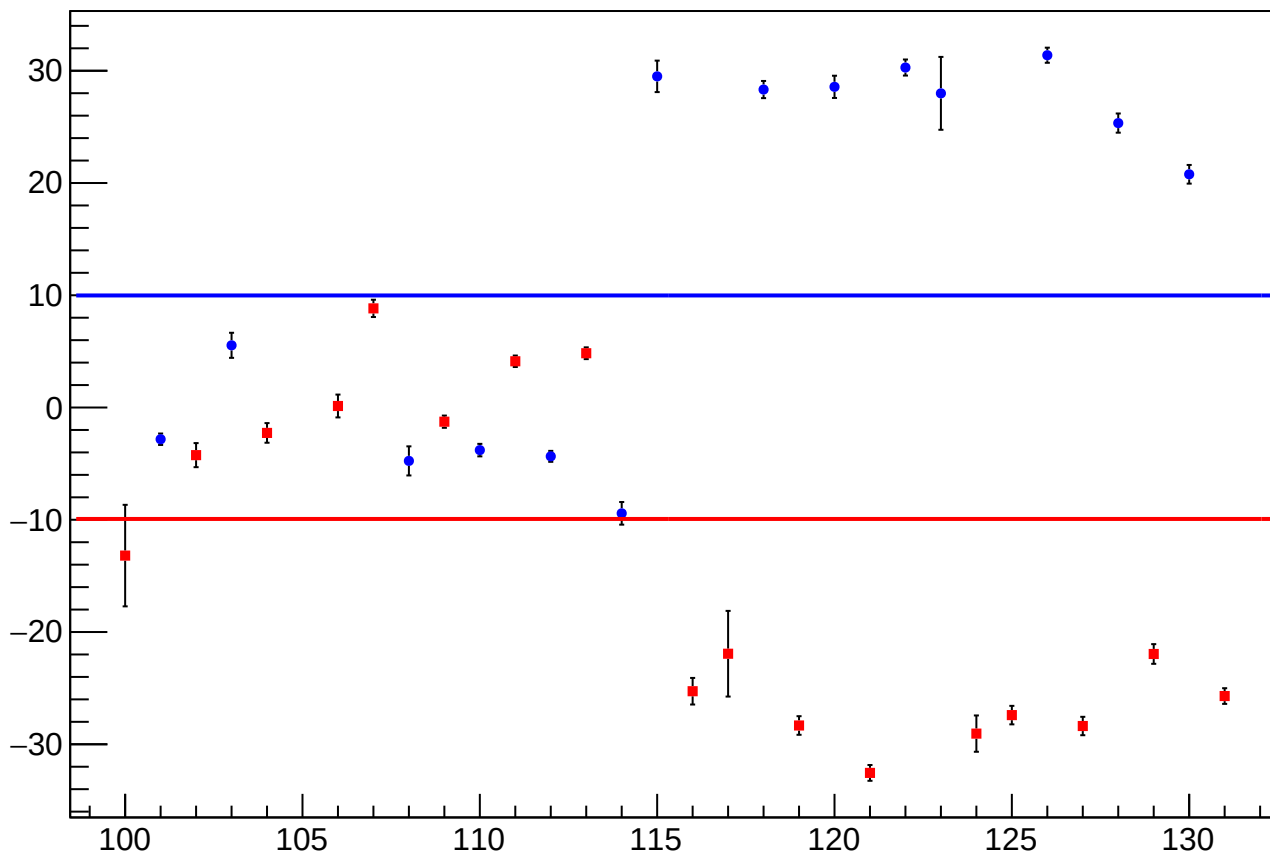
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

29.282+/-0.311  $\chi^2$ /NDF: 437.6/13

-3.864+/-0.209  $\chi^2$ /NDF: 21417.0/30

-30.814+/-0.281  $\chi^2$ /NDF: 436.9/16

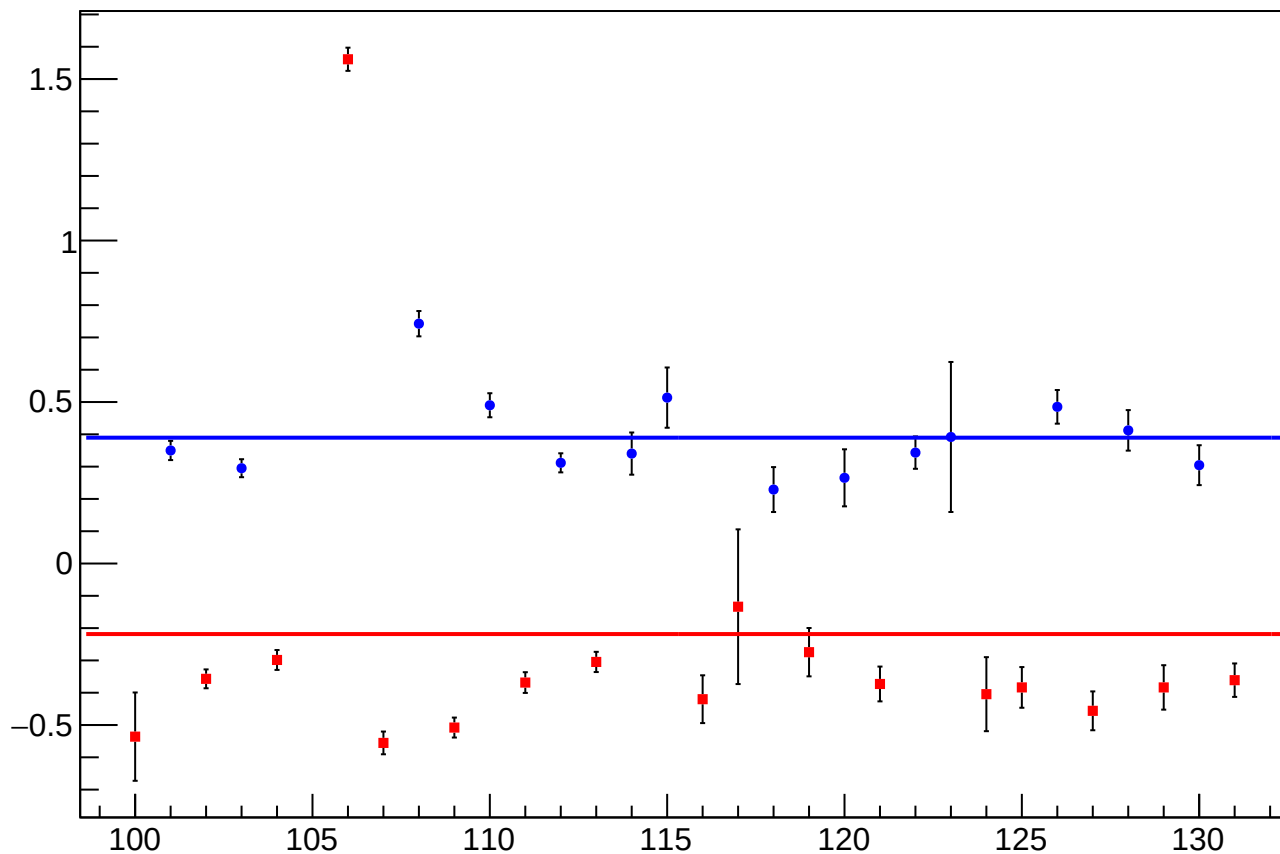
reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 9.983+/-0.204  $\chi^2/\text{NDF}$ : 6083.2/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -9.928+/-0.194  $\chi^2/\text{NDF}$ : 6096.5/16  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

9.983+/-0.204  $\chi^2/\text{NDF}$ : 6083.2/13  
 -0.501+/-0.141  $\chi^2/\text{NDF}$ : 17183.0/30  
 -9.928+/-0.194  $\chi^2/\text{NDF}$ : 6096.5/16

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.390 $\pm$ 0.012  $\chi^2$ /NDF: 124.5/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.218 $\pm$ 0.011  $\chi^2$ /NDF: 2757.1/16

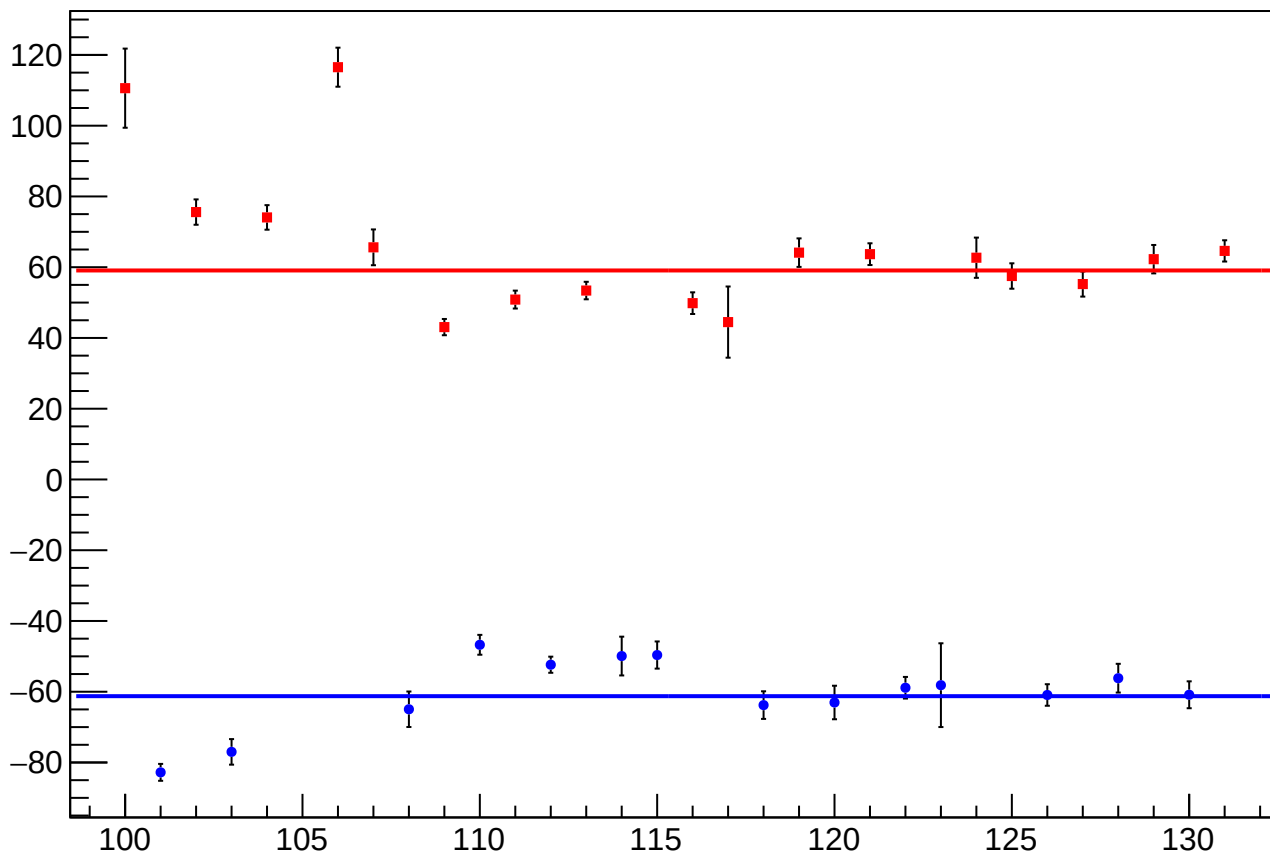
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.390 $\pm$ 0.012  $\chi^2$ /NDF: 124.5/13

0.049 $\pm$ 0.008  $\chi^2$ /NDF: 4315.4/30

-0.218 $\pm$ 0.011  $\chi^2$ /NDF: 2757.1/16

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-61.255 \pm 0.923$   $\chi^2/\text{NDF}$ : 159.0/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $59.077 \pm 0.847$   $\chi^2/\text{NDF}$ : 256.4/16

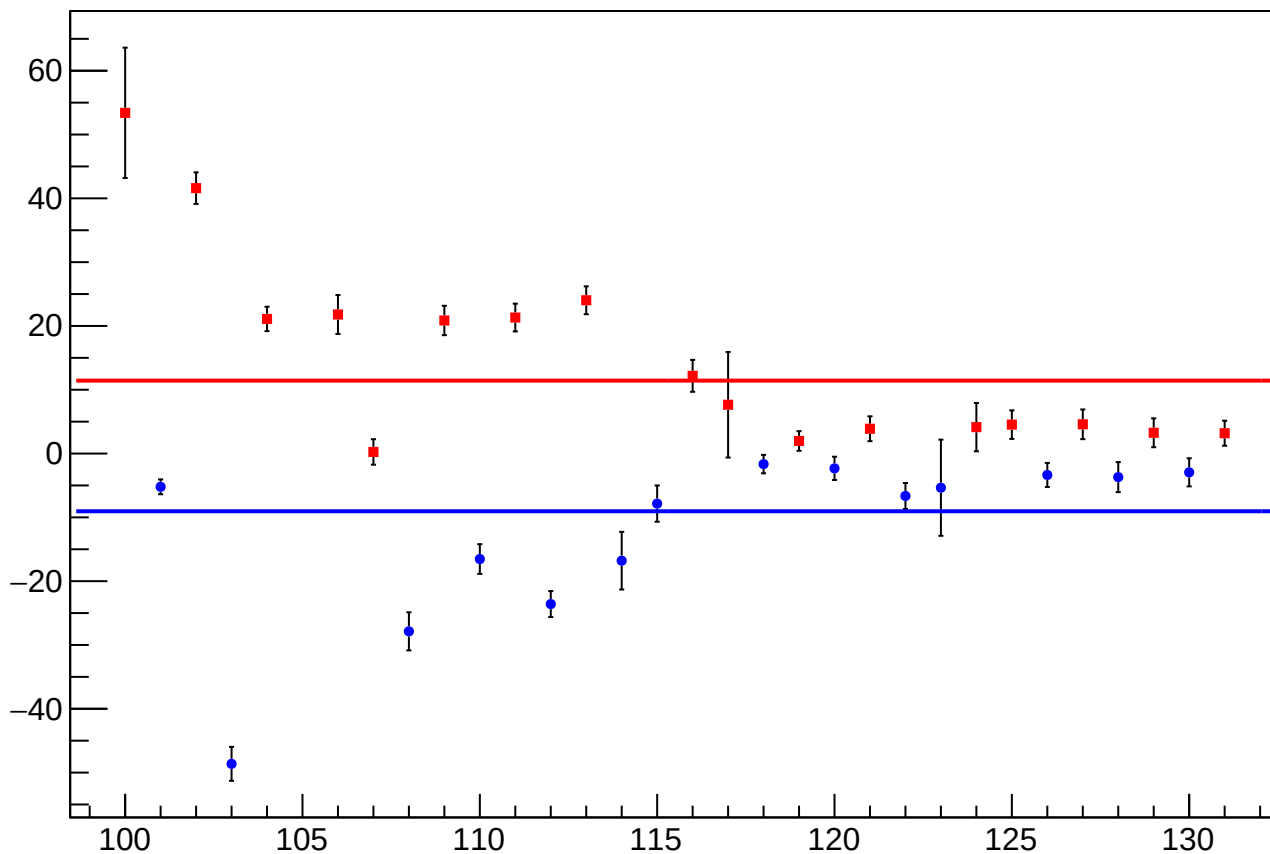
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-61.255 \pm 0.923$   $\chi^2/\text{NDF}$ : 159.0/13

$4.072 \pm 0.624$   $\chi^2/\text{NDF}$ : 9646.9/30

$59.077 \pm 0.847$   $\chi^2/\text{NDF}$ : 256.4/16

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -9.044+/-0.551  $\chi^2/\text{NDF}$ : 400.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.430+/-0.560  $\chi^2/\text{NDF}$ : 410.4/16

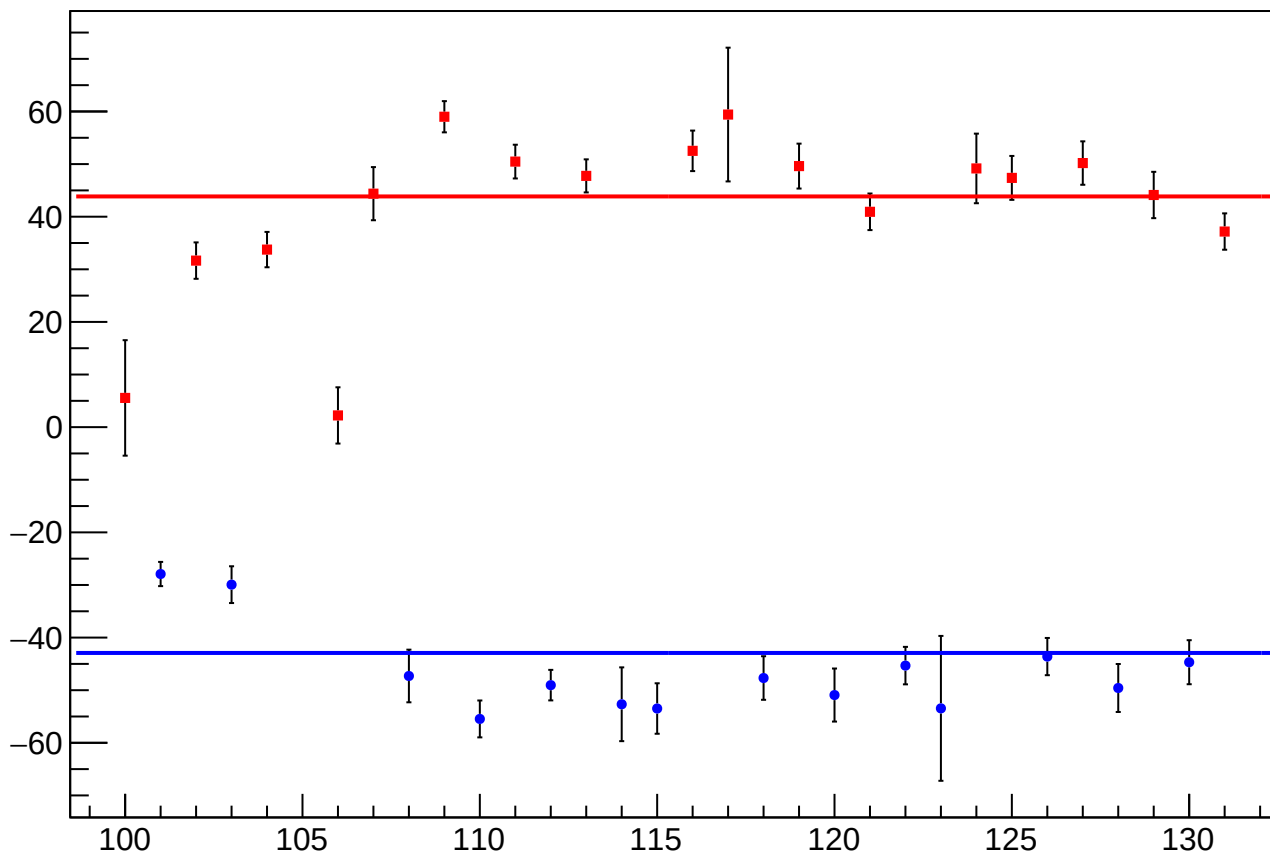
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9.044+/-0.551  $\chi^2/\text{NDF}$ : 400.4/13

1.023+/-0.393  $\chi^2/\text{NDF}$ : 1489.6/30

11.430+/-0.560  $\chi^2/\text{NDF}$ : 410.4/16

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -42.919+/-1.031  $\chi^2/\text{NDF}$ : 88.3/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 43.851+/-0.975  $\chi^2/\text{NDF}$ : 142.7/16

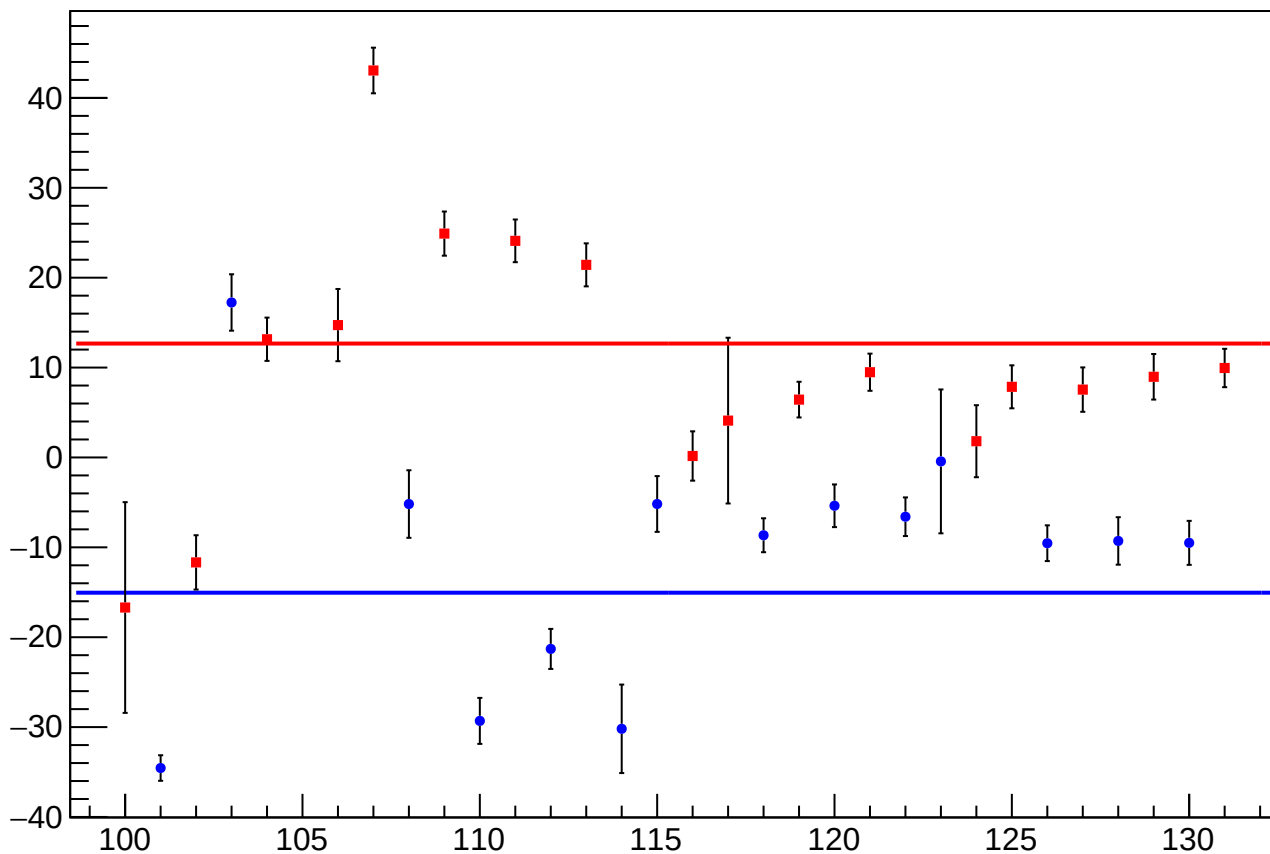
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-42.919+/-1.031  $\chi^2/\text{NDF}$ : 88.3/13

2.881+/-0.708  $\chi^2/\text{NDF}$ : 3972.1/30

43.851+/-0.975  $\chi^2/\text{NDF}$ : 142.7/16

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -15.048 $\pm$ 0.643  $\chi^2$ /NDF: 424.0/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 12.672 $\pm$ 0.641  $\chi^2$ /NDF: 329.4/16

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

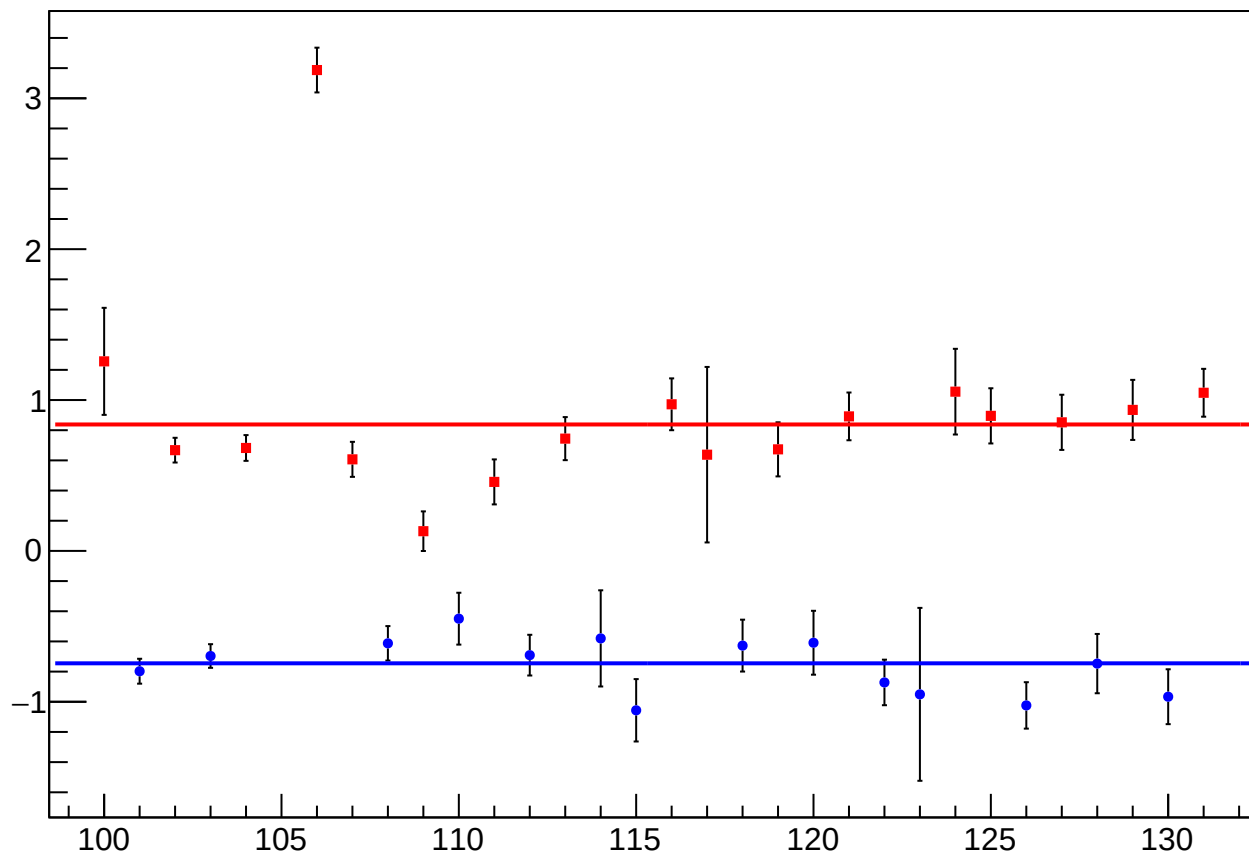
-15.048 $\pm$ 0.643  $\chi^2$ /NDF: 424.0/13

-1.151 $\pm$ 0.454  $\chi^2$ /NDF: 1685.7/30

12.672 $\pm$ 0.641  $\chi^2$ /NDF: 329.4/16



reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.745 \pm 0.038$   $\chi^2/\text{NDF}: 14.3/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.838 \pm 0.035$   $\chi^2/\text{NDF}: 304.2/16$

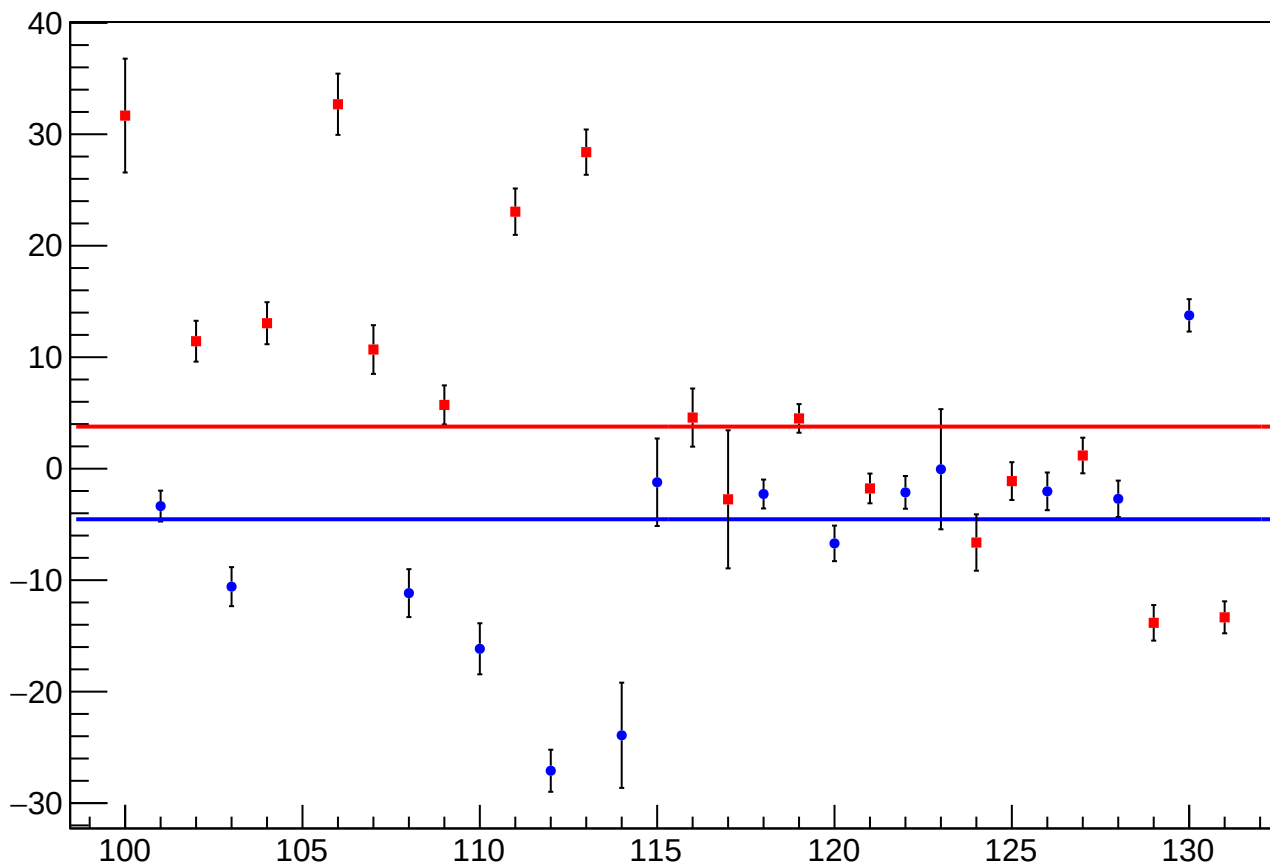
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-0.745 \pm 0.038$   $\chi^2/\text{NDF}: 14.3/13$

$0.099 \pm 0.026$   $\chi^2/\text{NDF}: 1267.1/30$

$0.838 \pm 0.035$   $\chi^2/\text{NDF}: 304.2/16$

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -4.537+/-0.481  $\chi^2/\text{NDF}$ : 378.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.776+/-0.453  $\chi^2/\text{NDF}$ : 737.0/16

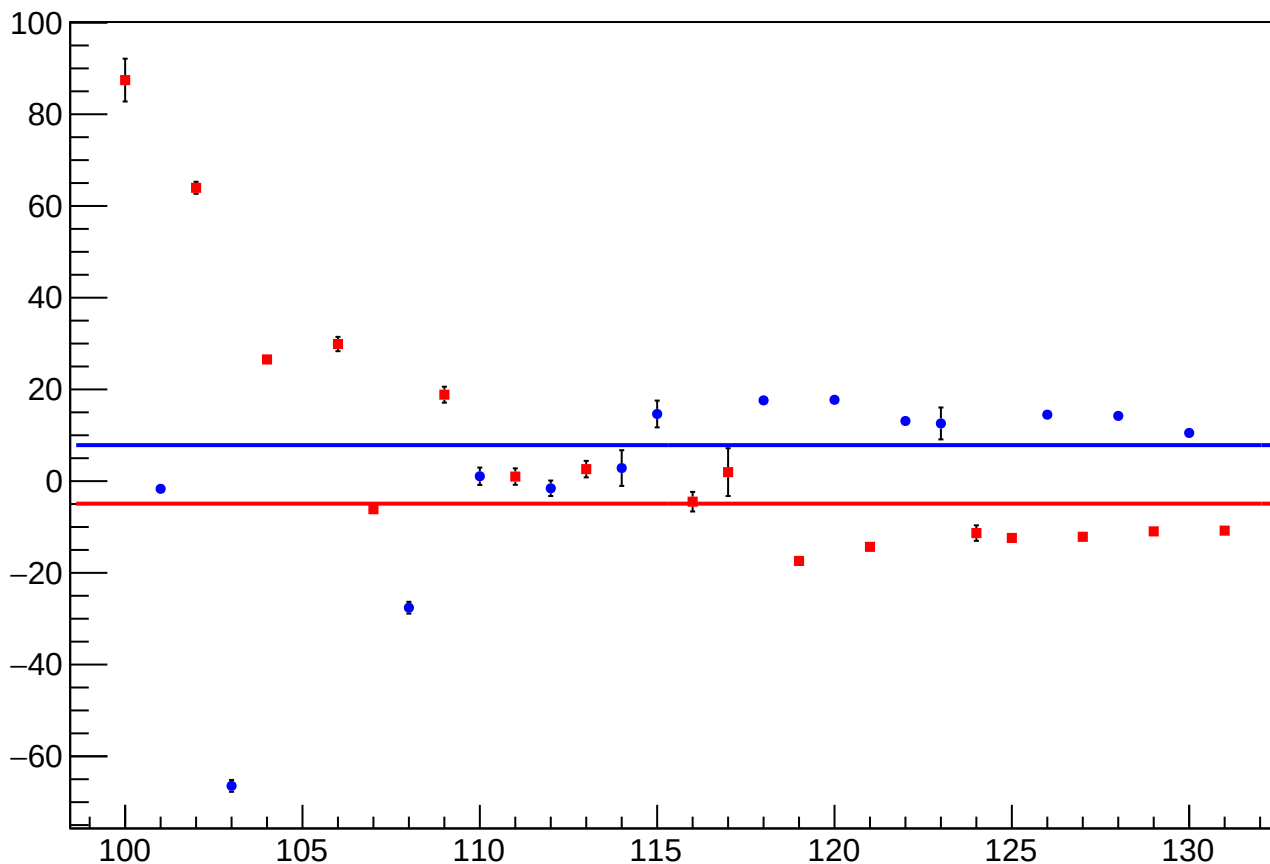
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.537+/-0.481  $\chi^2/\text{NDF}$ : 378.6/13

-0.135+/-0.330  $\chi^2/\text{NDF}$ : 1274.1/30

3.776+/-0.453  $\chi^2/\text{NDF}$ : 737.0/16

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.849+/-0.254  $\chi^2/\text{NDF}$ : 5097.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.912+/-0.263  $\chi^2/\text{NDF}$ : 5659.5/16

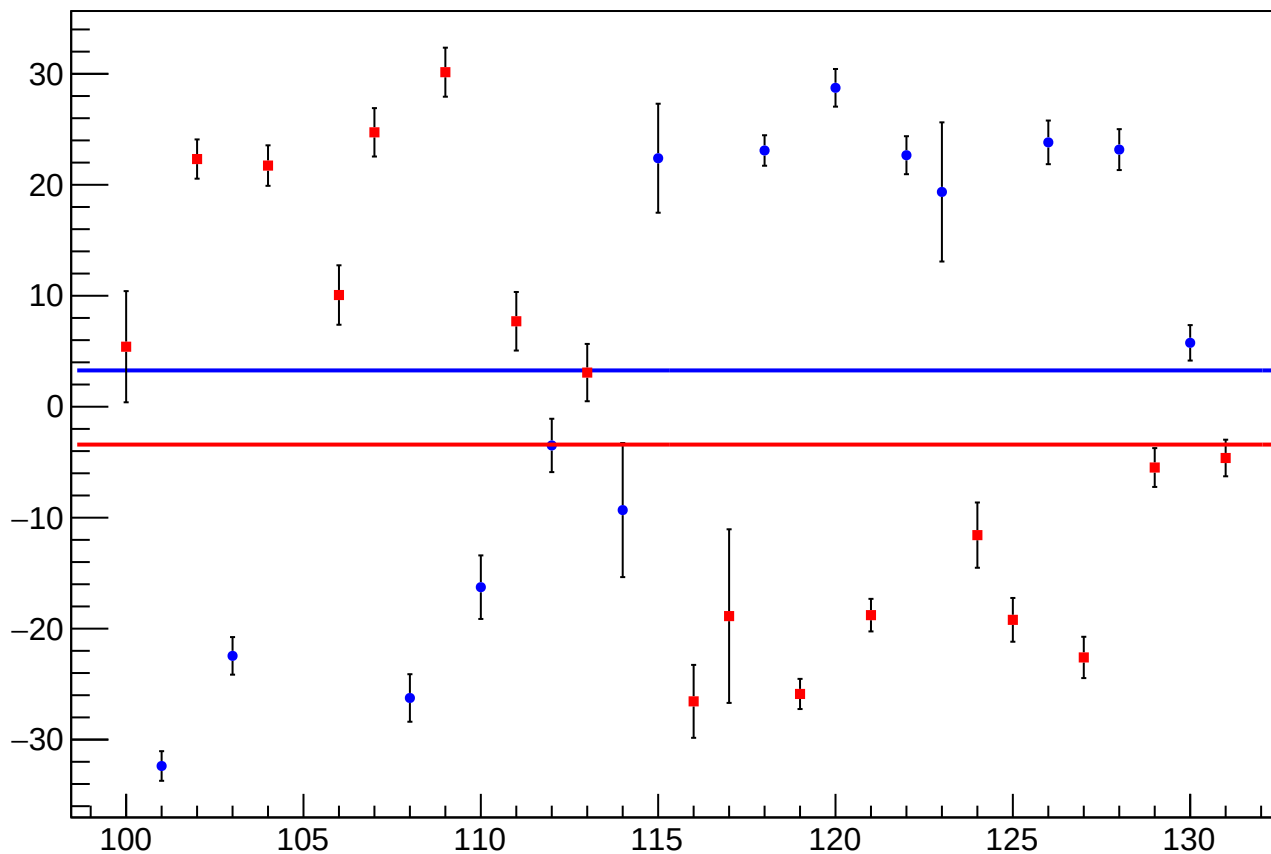
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

7.849+/-0.254  $\chi^2/\text{NDF}$ : 5097.2/13

1.686+/-0.183  $\chi^2/\text{NDF}$ : 11975.3/30

-4.912+/-0.263  $\chi^2/\text{NDF}$ : 5659.5/16

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $3.271 \pm 0.521$   $\chi^2/\text{NDF}$ : 2004.4/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.412 \pm 0.501$   $\chi^2/\text{NDF}$ : 1467.7/16

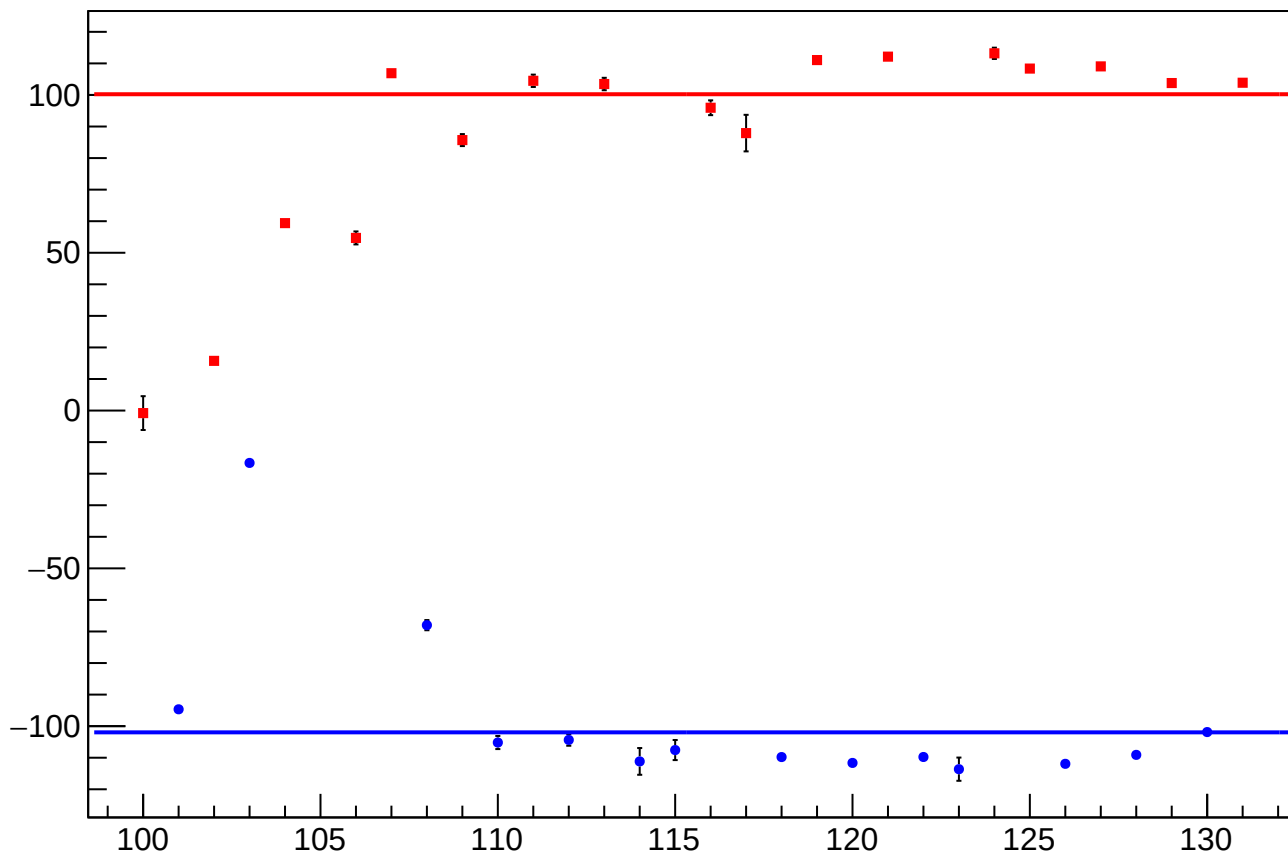
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$3.271 \pm 0.521$   $\chi^2/\text{NDF}$ : 2004.4/13

$-0.201 \pm 0.361$   $\chi^2/\text{NDF}$ : 3557.4/30

$-3.412 \pm 0.501$   $\chi^2/\text{NDF}$ : 1467.7/16

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -101.962+/-0.305  $\chi^2$ /NDF: 4147.1/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 100.230+/-0.307  $\chi^2$ /NDF: 5334.5/16

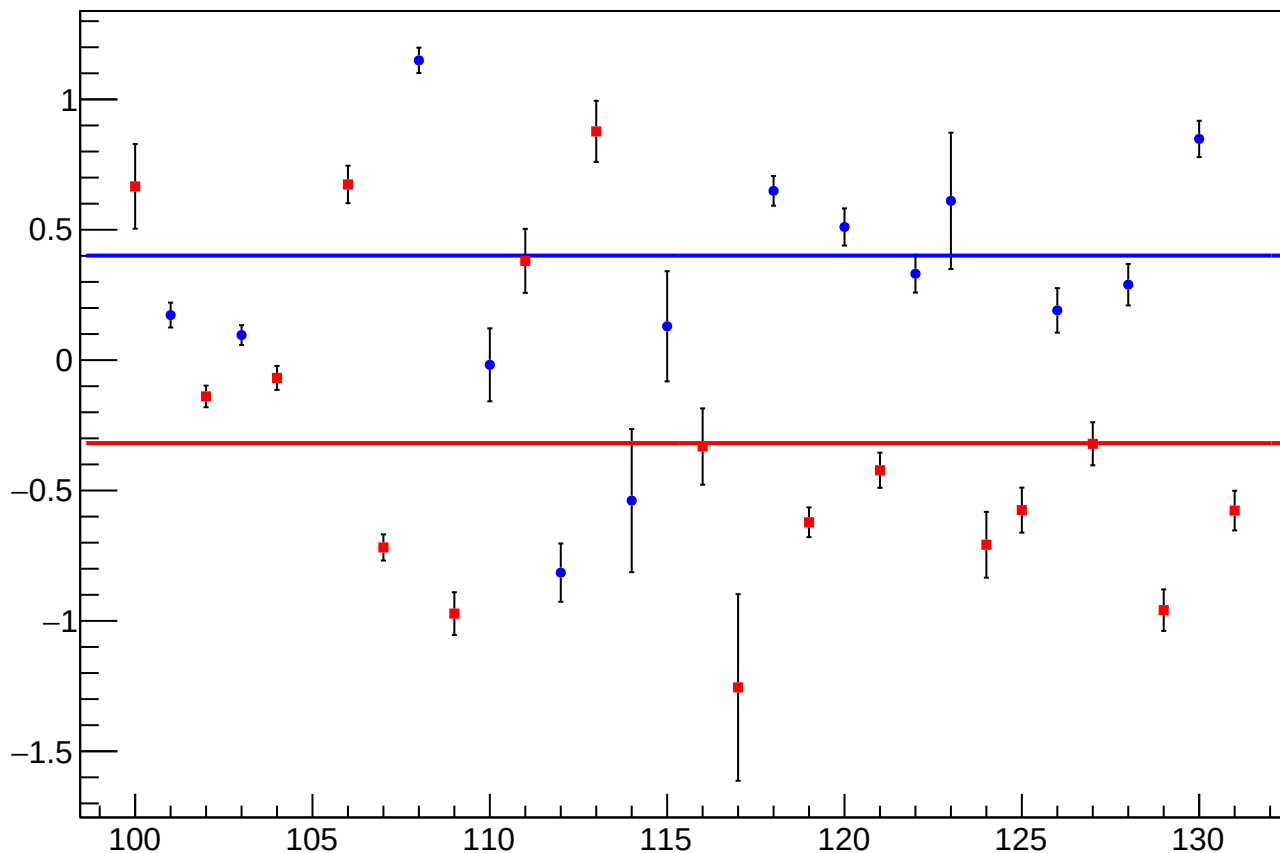
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-101.962+/-0.305  $\chi^2$ /NDF: 4147.1/13

-1.666+/-0.216  $\chi^2$ /NDF: 228021.1/30

100.230+/-0.307  $\chi^2$ /NDF: 5334.5/16

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.401 $\pm$ 0.018  $\chi^2$ /NDF: 535.5/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.318 $\pm$ 0.018  $\chi^2$ /NDF: 671.3/16

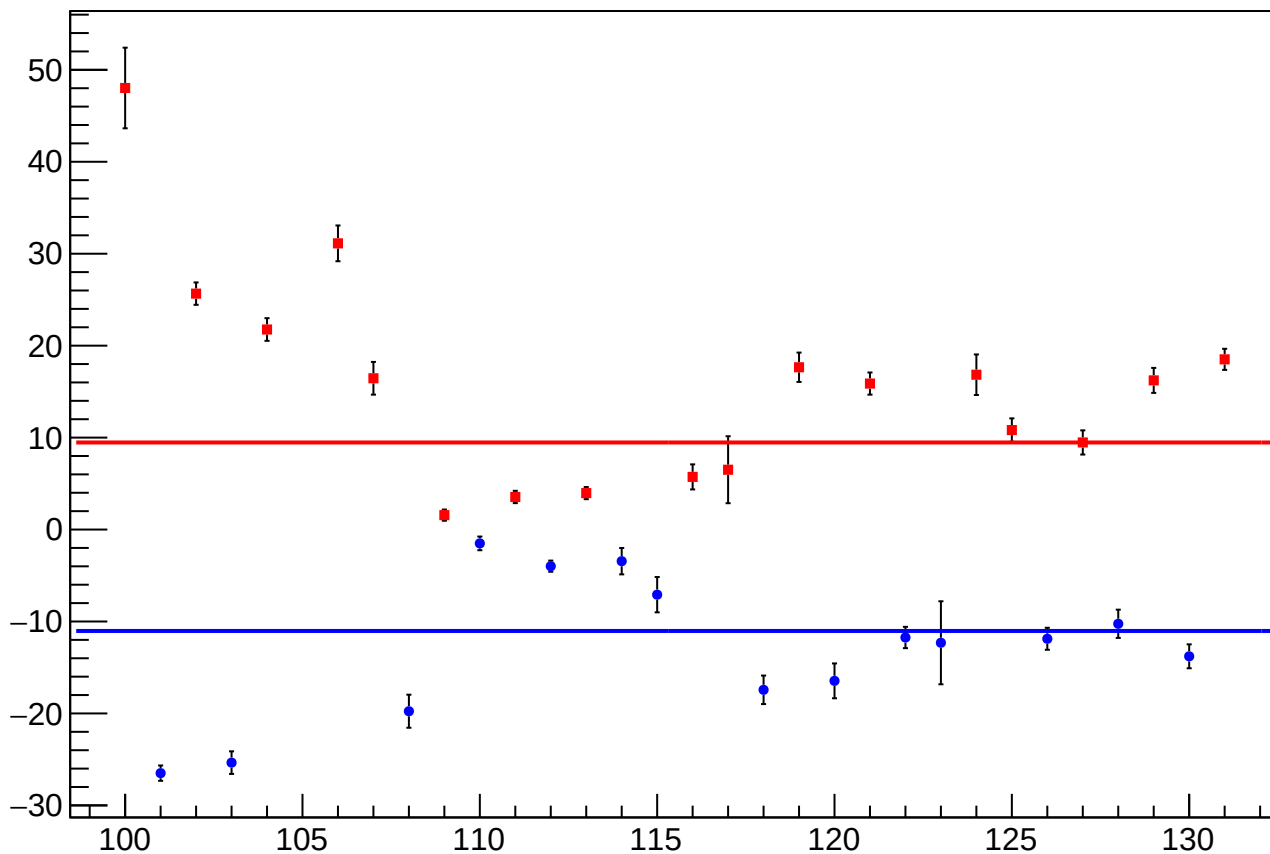
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.401 $\pm$ 0.018  $\chi^2$ /NDF: 535.5/13

0.024 $\pm$ 0.013  $\chi^2$ /NDF: 2000.6/30

-0.318 $\pm$ 0.018  $\chi^2$ /NDF: 671.3/16

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -11.029+/-0.303  $\chi^2/\text{NDF}$ : 865.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.471+/-0.271  $\chi^2/\text{NDF}$ : 971.4/16

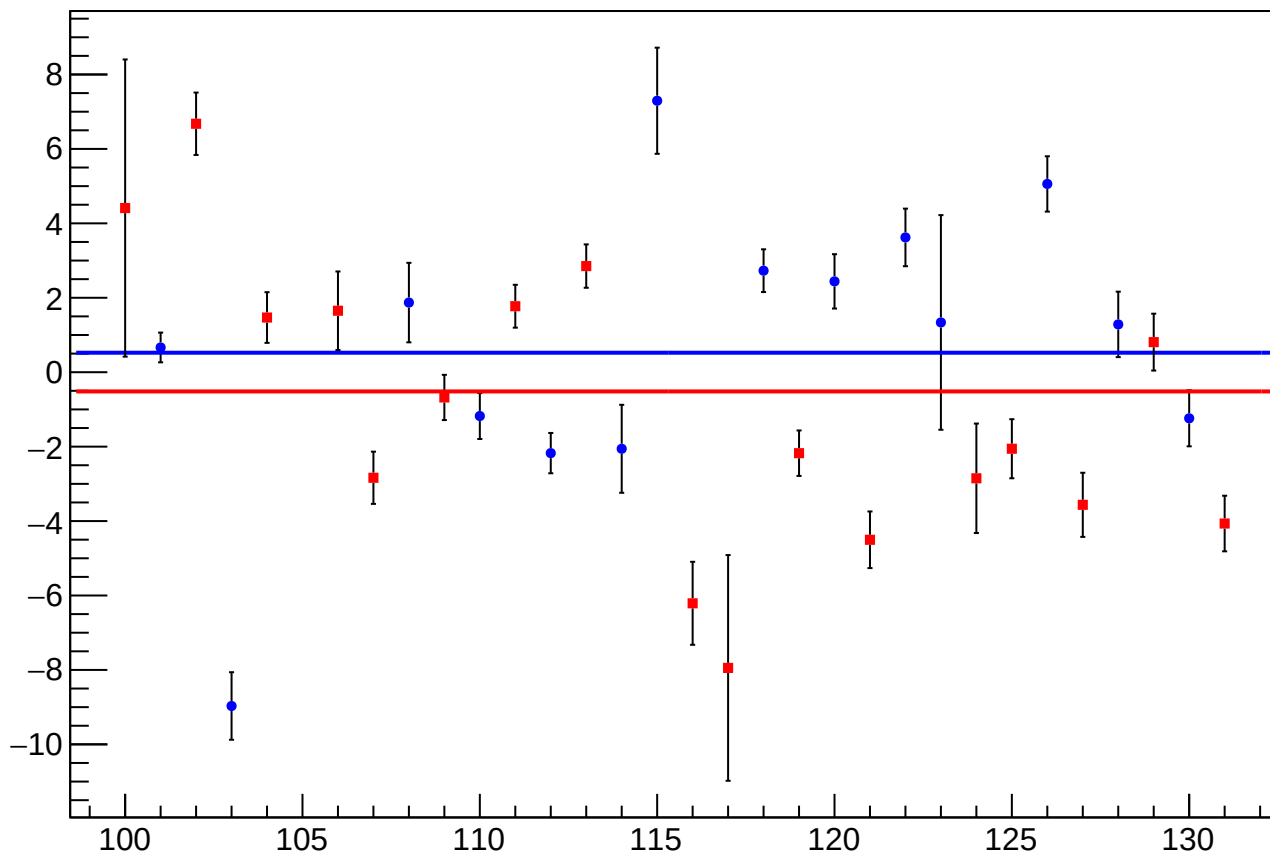
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-11.029+/-0.303  $\chi^2/\text{NDF}$ : 865.7/13

0.350+/-0.202  $\chi^2/\text{NDF}$ : 4378.3/30

9.471+/-0.271  $\chi^2/\text{NDF}$ : 971.4/16

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.524+/-0.192  $\chi^2/\text{NDF}$ : 252.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.516+/-0.191  $\chi^2/\text{NDF}$ : 259.4/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

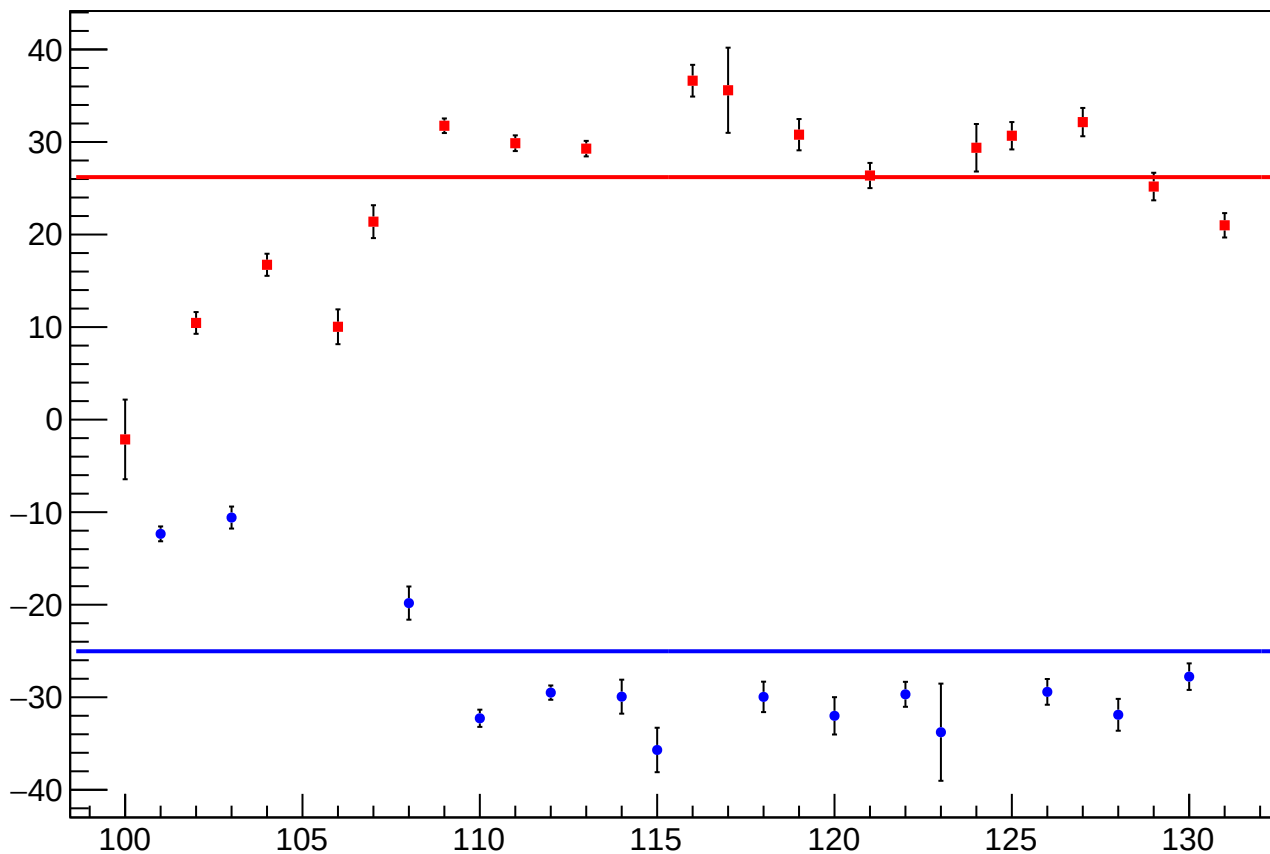
0.524+/-0.192  $\chi^2/\text{NDF}$ : 252.0/13

0.001+/-0.135  $\chi^2/\text{NDF}$ : 526.2/30

-0.516+/-0.191  $\chi^2/\text{NDF}$ : 259.4/16



reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-25.029 \pm 0.345$   $\chi^2/\text{NDF}$ : 592.0/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $26.204 \pm 0.319$   $\chi^2/\text{NDF}$ : 539.3/16

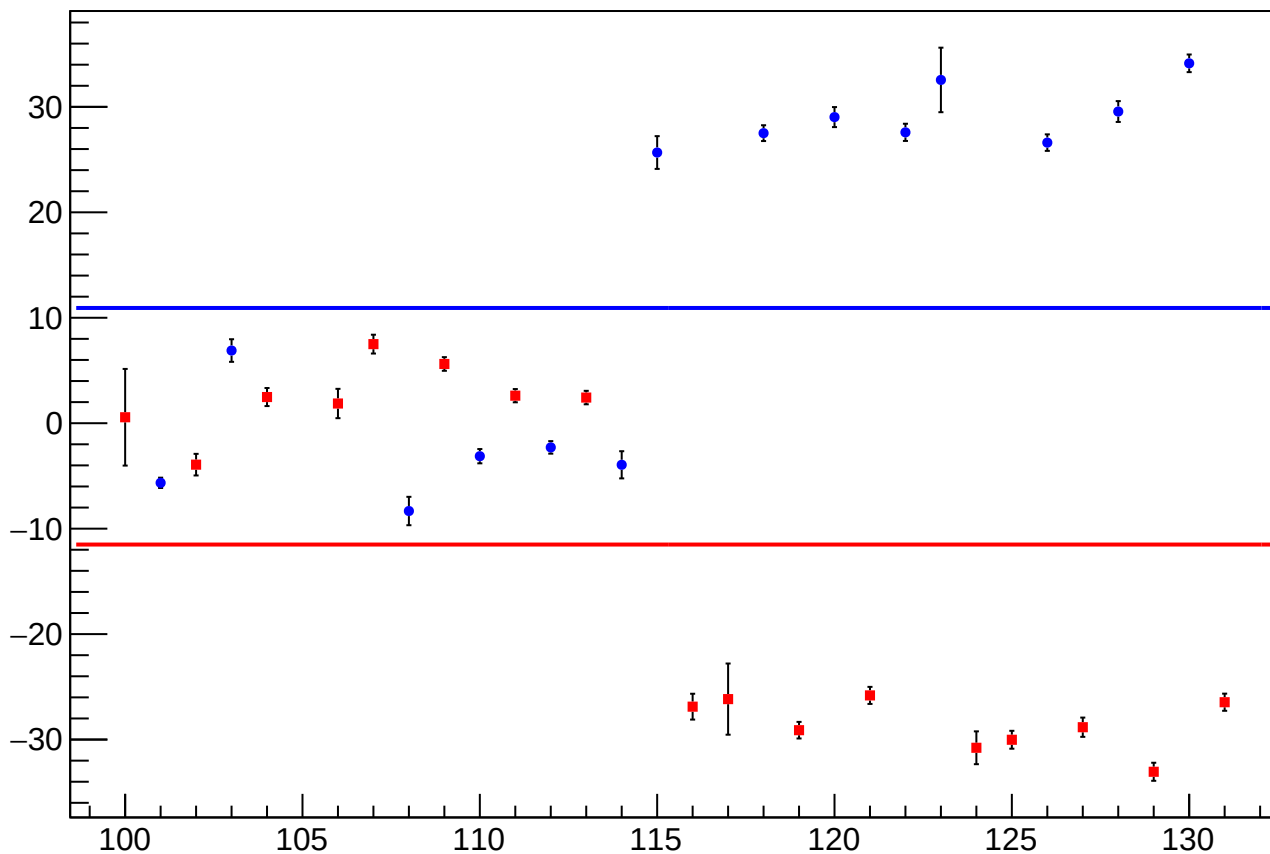
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-25.029 \pm 0.345$   $\chi^2/\text{NDF}$ : 592.0/13

$2.579 \pm 0.234$   $\chi^2/\text{NDF}$ : 13037.4/30

$26.204 \pm 0.319$   $\chi^2/\text{NDF}$ : 539.3/16

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 10.930+/-0.222  $\chi^2$ /NDF: 5370.6/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -11.506+/-0.217  $\chi^2$ /NDF: 5506.3/16

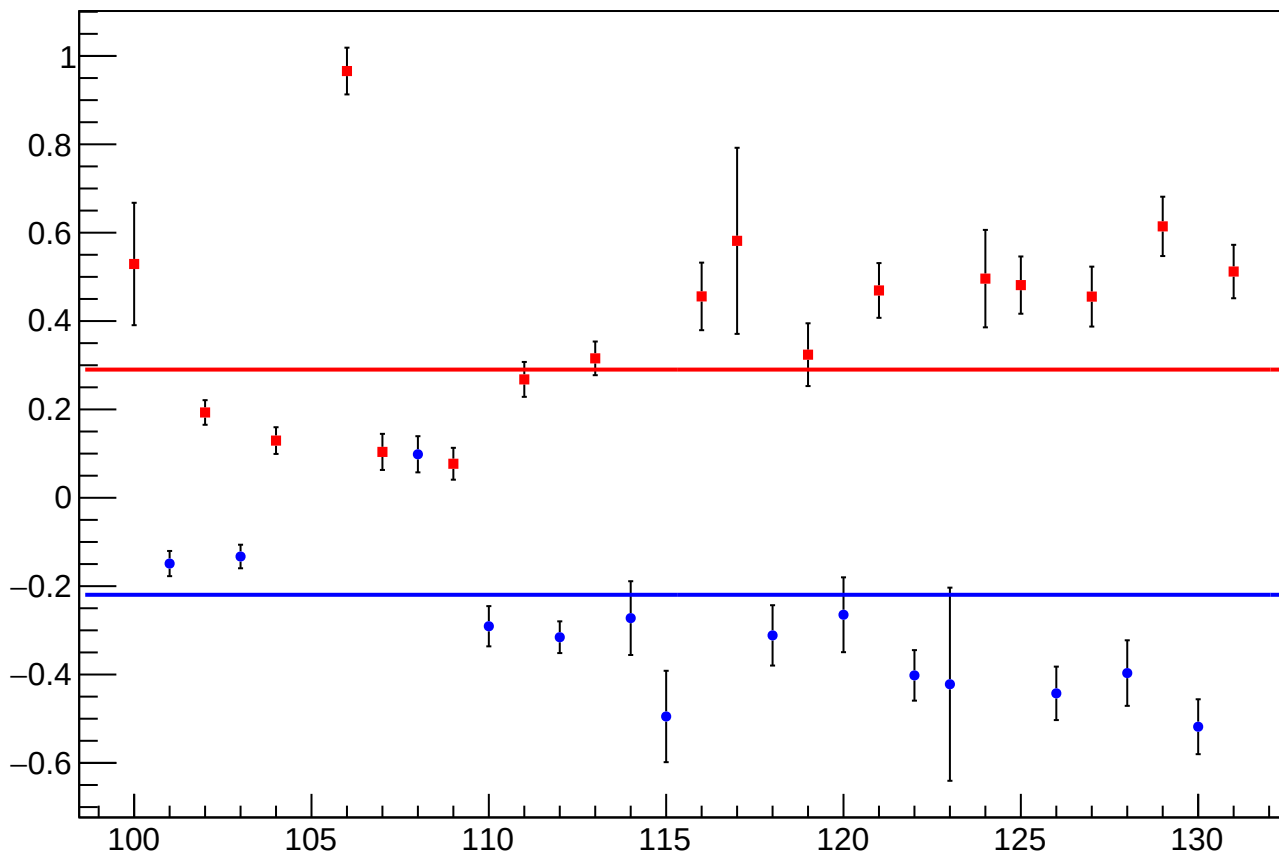
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

10.930+/-0.222  $\chi^2$ /NDF: 5370.6/13

-0.568+/-0.155  $\chi^2$ /NDF: 16099.5/30

-11.506+/-0.217  $\chi^2$ /NDF: 5506.3/16

reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.220+/-0.013  $\chi^2/\text{NDF}$ : 149.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.290+/-0.012  $\chi^2/\text{NDF}$ : 333.1/16

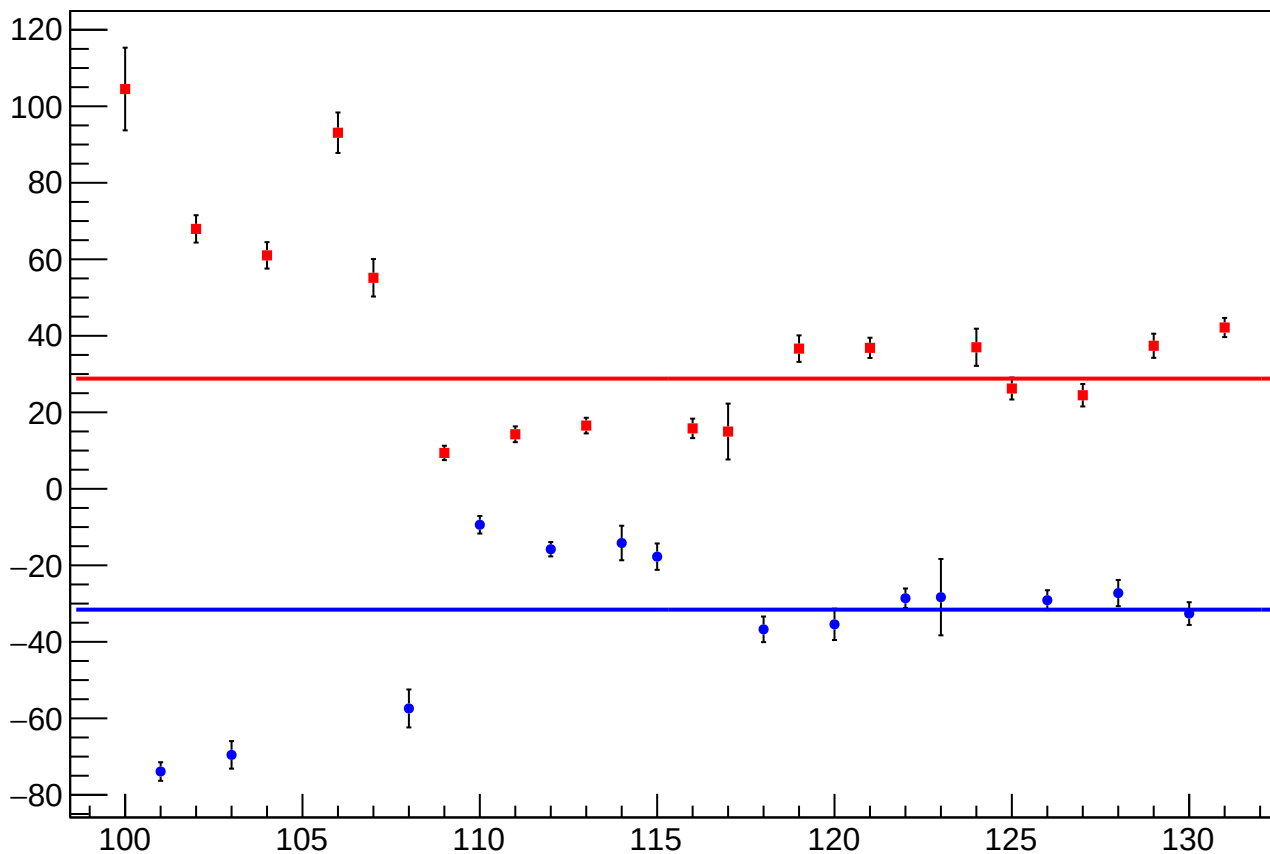
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.220+/-0.013  $\chi^2/\text{NDF}$ : 149.7/13

0.056+/-0.009  $\chi^2/\text{NDF}$ : 1341.1/30

0.290+/-0.012  $\chi^2/\text{NDF}$ : 333.1/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-31.581 \pm 0.802$   $\chi^2/\text{NDF}$ : 645.3/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $28.811 \pm 0.717$   $\chi^2/\text{NDF}$ : 710.8/16

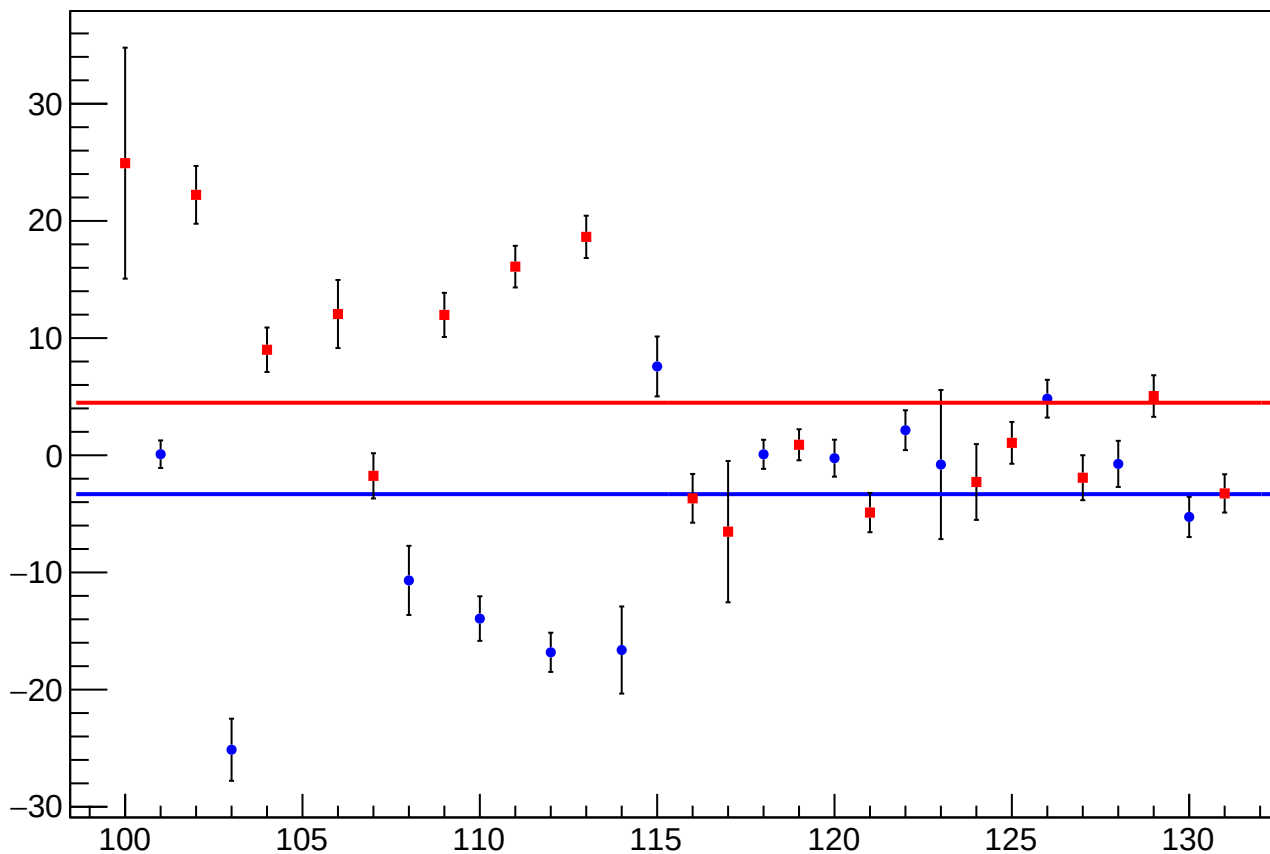
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-31.581 \pm 0.802$   $\chi^2/\text{NDF}$ : 645.3/13

$1.974 \pm 0.535$   $\chi^2/\text{NDF}$ : 4507.9/30

$28.811 \pm 0.717$   $\chi^2/\text{NDF}$ : 710.8/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.319+/-0.485  $\chi^2/\text{NDF}$ : 259.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.483+/-0.482  $\chi^2/\text{NDF}$ : 298.0/16

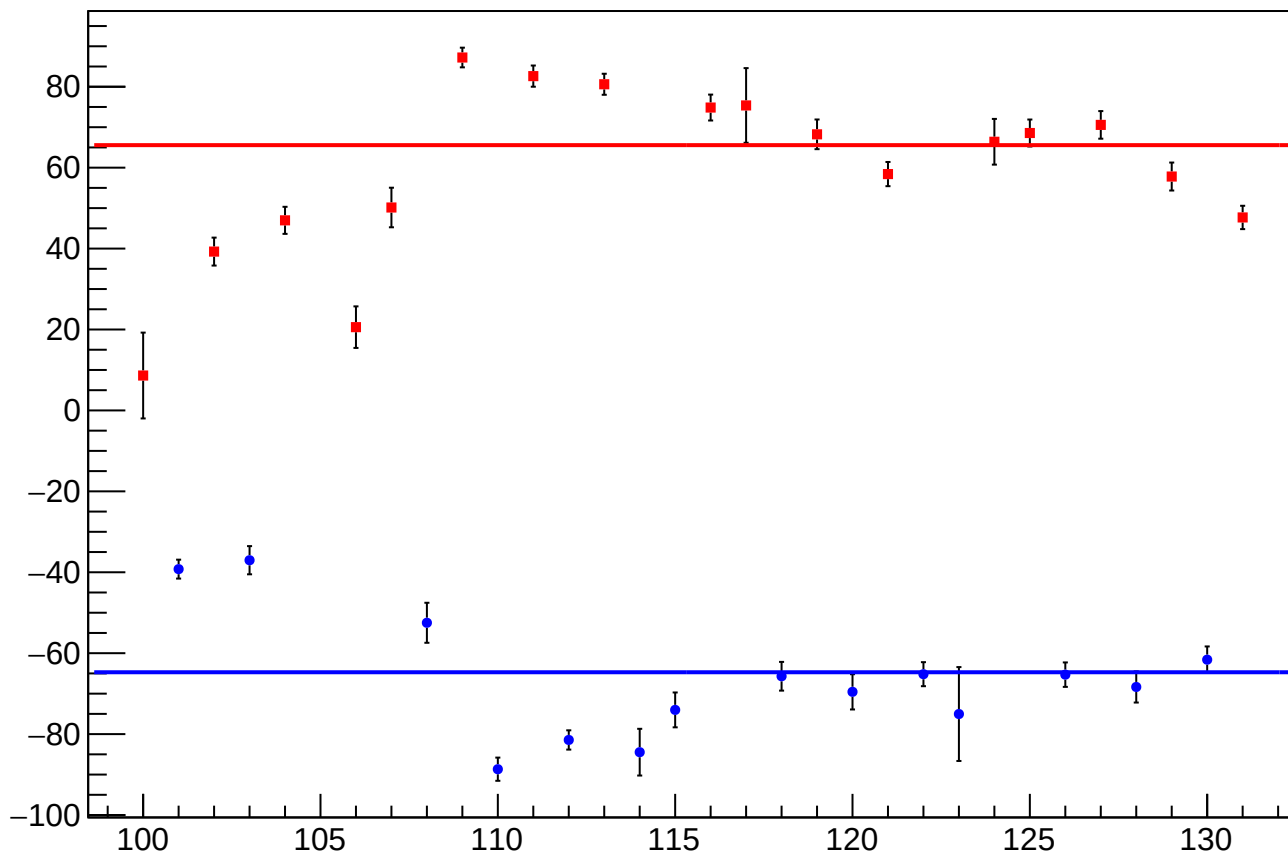
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3.319+/-0.485  $\chi^2/\text{NDF}$ : 259.9/13

0.609+/-0.342  $\chi^2/\text{NDF}$ : 687.9/30

4.483+/-0.482  $\chi^2/\text{NDF}$ : 298.0/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -64.712 $\pm$ 0.909  $\chi^2$ /NDF: 327.6/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 65.566 $\pm$ 0.836  $\chi^2$ /NDF: 421.9/16

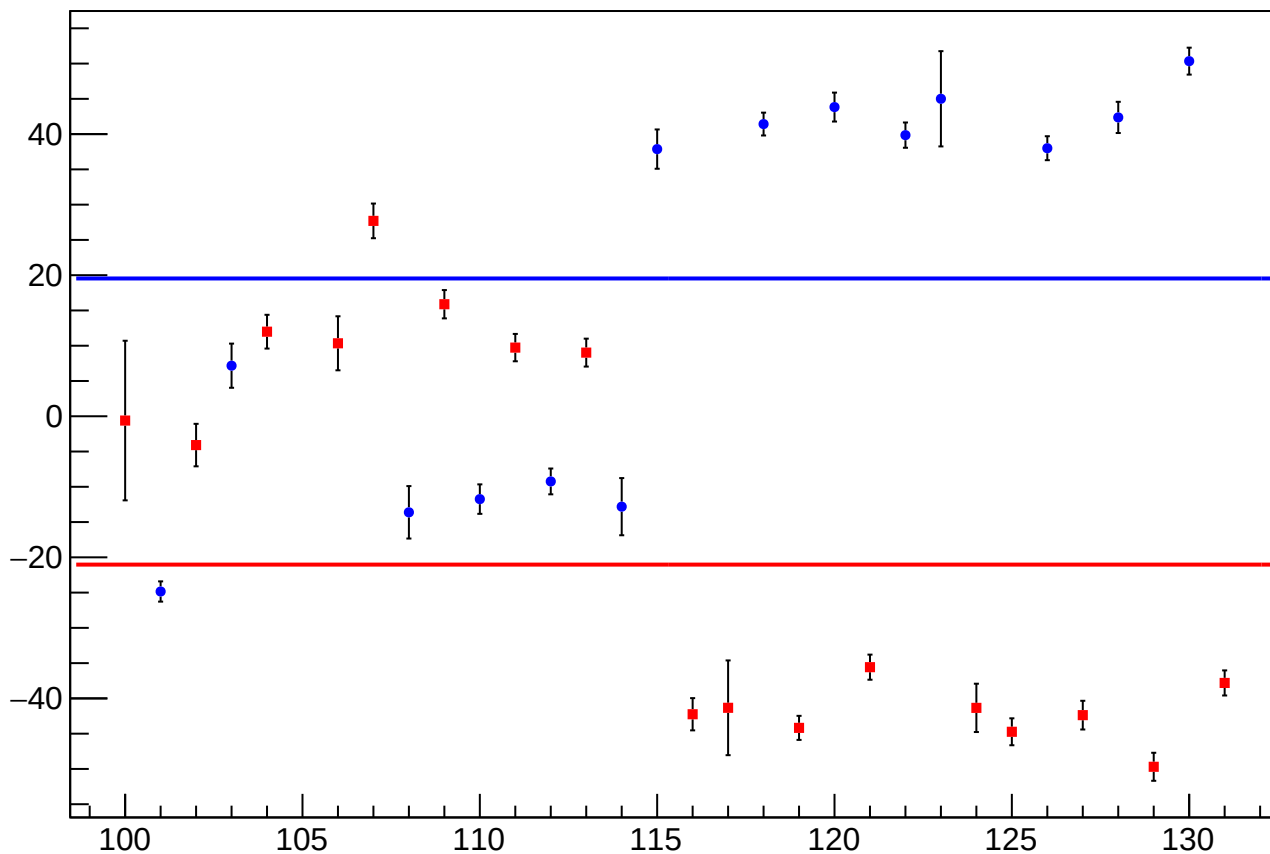
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-64.712 $\pm$ 0.909  $\chi^2$ /NDF: 327.6/13

5.856 $\pm$ 0.615  $\chi^2$ /NDF: 11885.2/30

65.566 $\pm$ 0.836  $\chi^2$ /NDF: 421.9/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 19.534+/-0.563  $\chi^2/\text{NDF}$ : 2579.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -21.032+/-0.547  $\chi^2/\text{NDF}$ : 2448.8/16

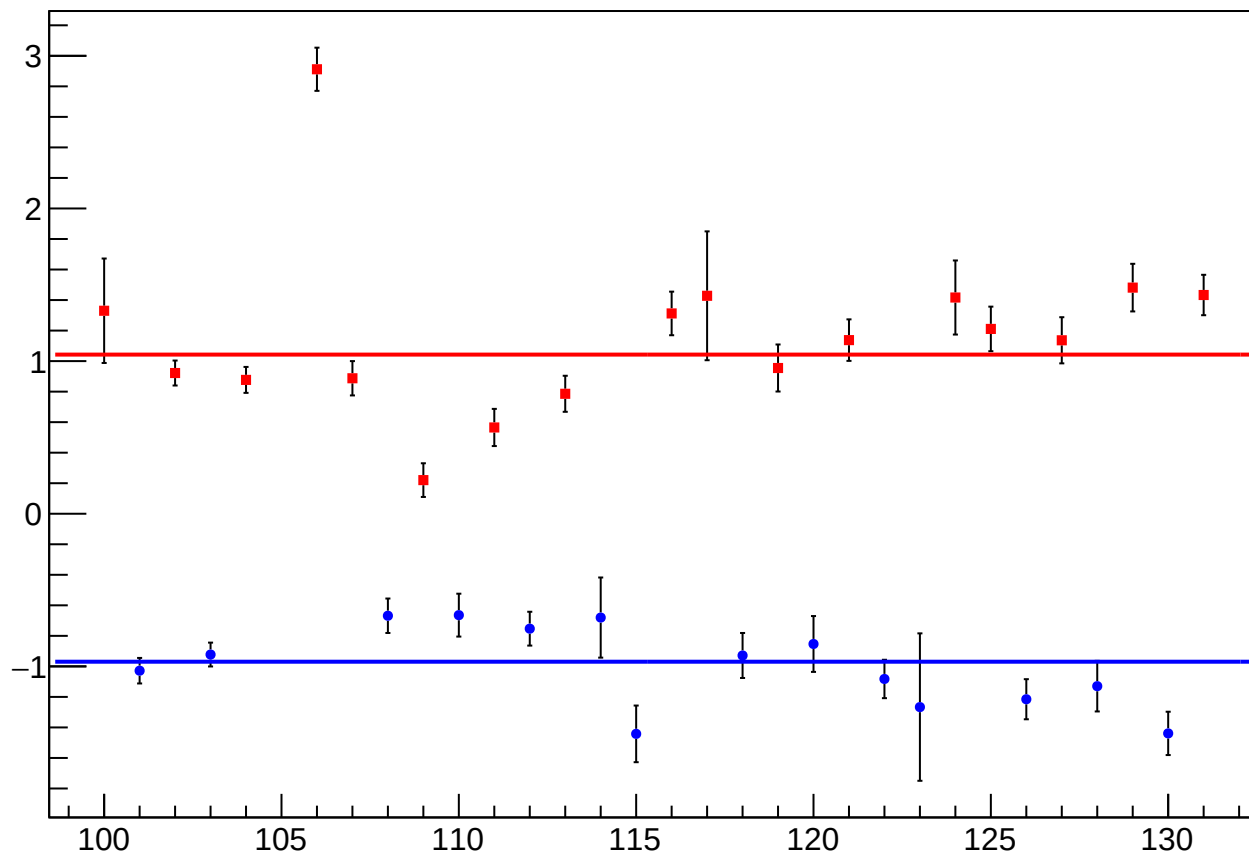
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

19.534+/-0.563  $\chi^2/\text{NDF}$ : 2579.5/13

-1.327+/-0.392  $\chi^2/\text{NDF}$ : 7697.8/30

-21.032+/-0.547  $\chi^2/\text{NDF}$ : 2448.8/16

reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.969 \pm 0.034$   $\chi^2/\text{NDF}: 41.3/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $1.043 \pm 0.032$   $\chi^2/\text{NDF}: 284.7/16$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

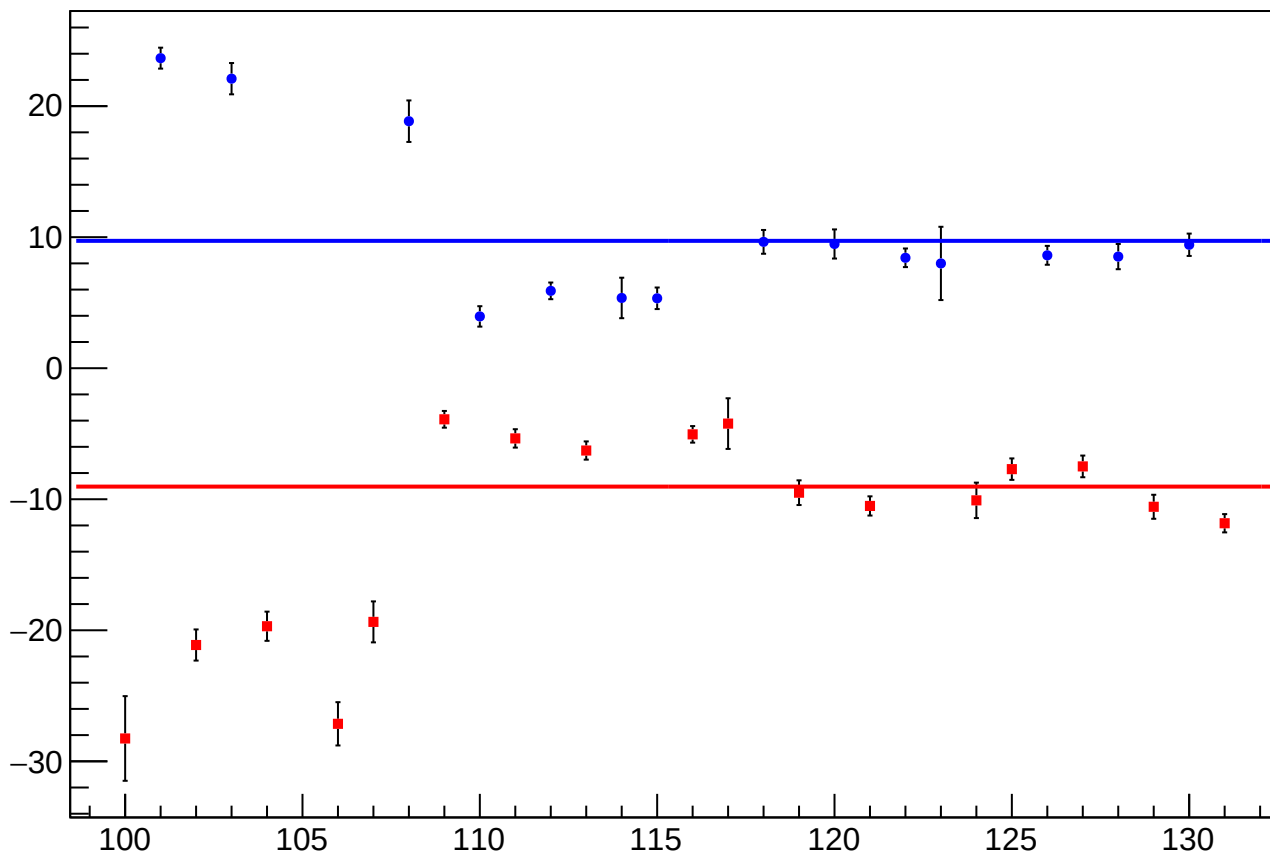
$-0.969 \pm 0.034$   $\chi^2/\text{NDF}: 41.3/13$

$0.121 \pm 0.023$   $\chi^2/\text{NDF}: 2187.0/30$

$1.043 \pm 0.032$   $\chi^2/\text{NDF}: 284.7/16$



reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 9.719+/-0.241  $\chi^2/\text{NDF}$ : 579.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.035+/-0.216  $\chi^2/\text{NDF}$ : 577.8/16

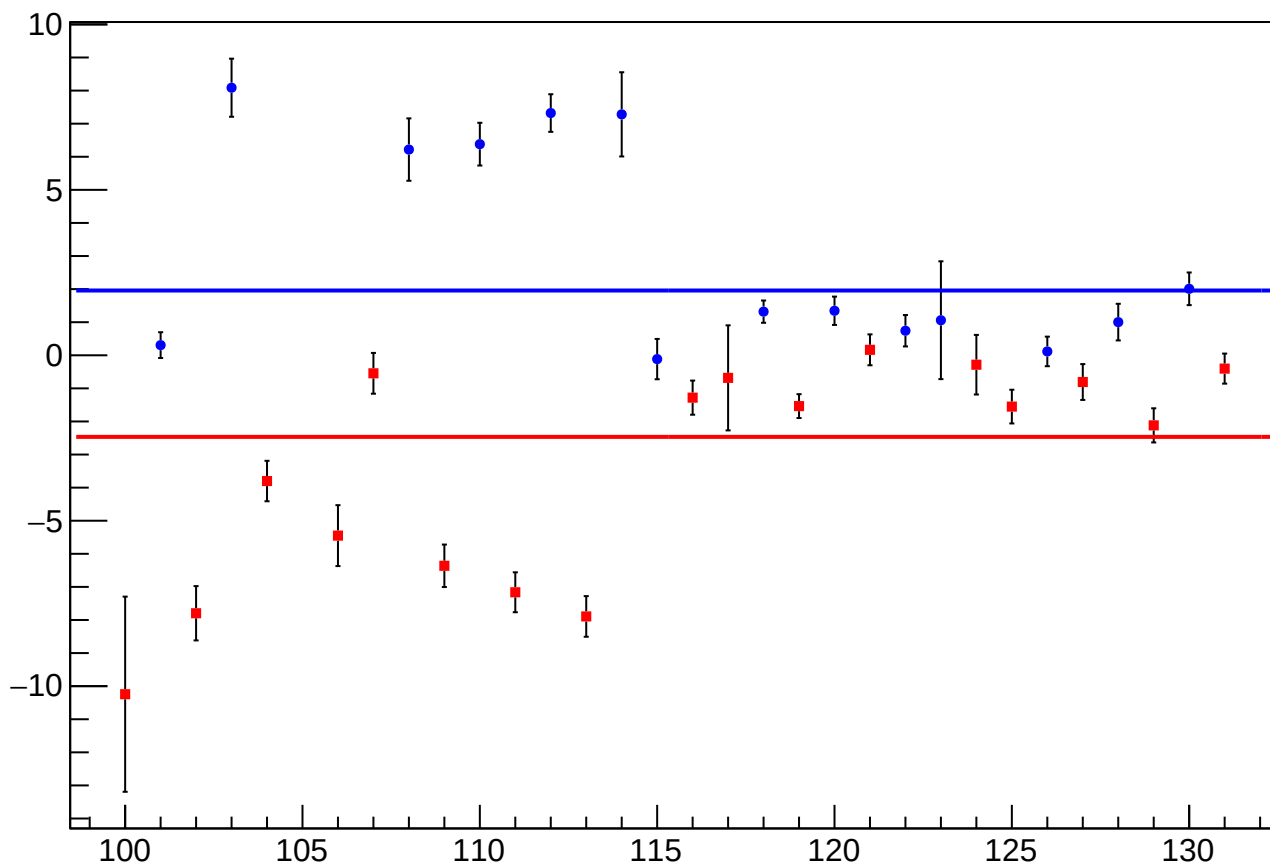
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

9.719+/-0.241  $\chi^2/\text{NDF}$ : 579.7/13

-0.690+/-0.161  $\chi^2/\text{NDF}$ : 4513.4/30

-9.035+/-0.216  $\chi^2/\text{NDF}$ : 577.8/16

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.958+/-0.143  $\chi^2/\text{NDF}$ : 284.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.466+/-0.142  $\chi^2/\text{NDF}$ : 334.2/16

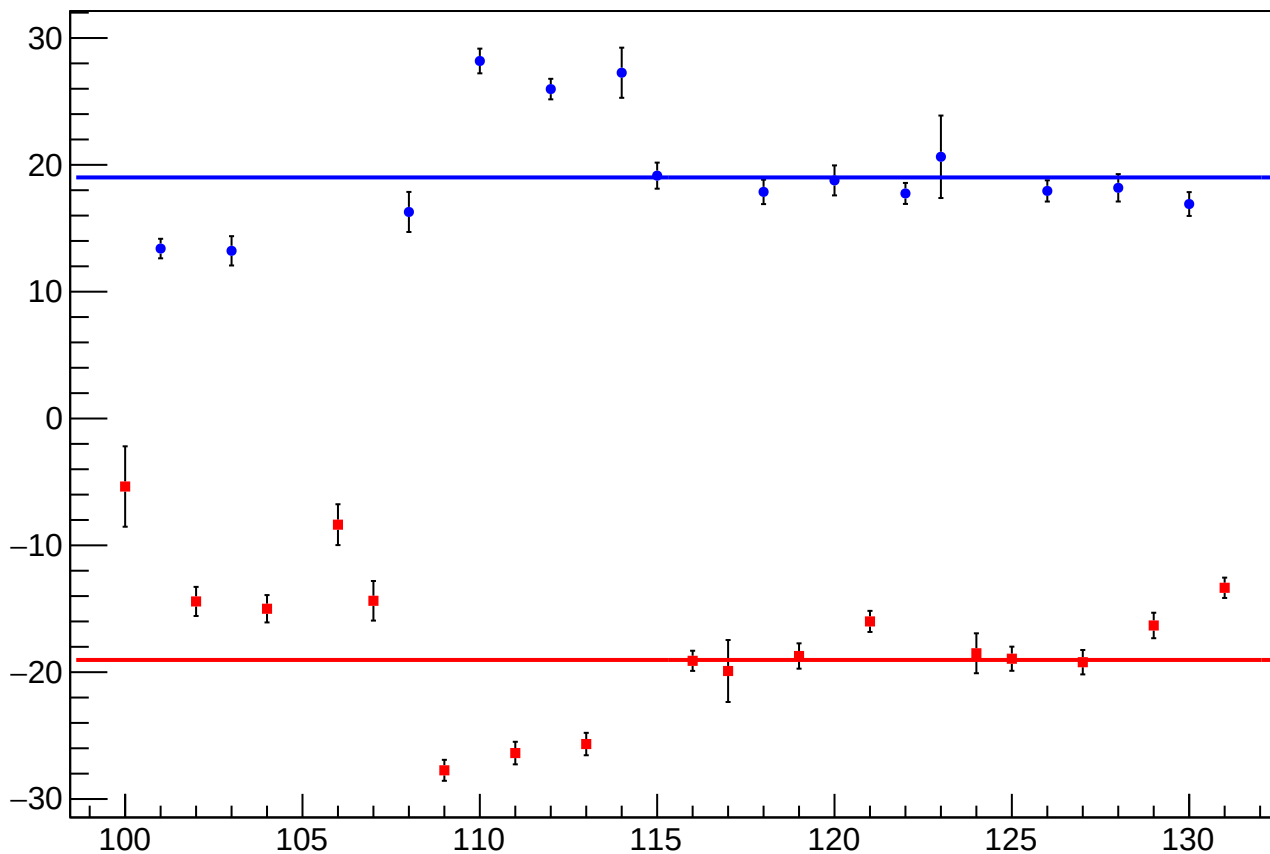
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.958+/-0.143  $\chi^2/\text{NDF}$ : 284.5/13

-0.259+/-0.101  $\chi^2/\text{NDF}$ : 1101.5/30

-2.466+/-0.142  $\chi^2/\text{NDF}$ : 334.2/16

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 19.008+/-0.273  $\chi^2$ /NDF: 272.7/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -19.036+/-0.251  $\chi^2$ /NDF: 408.2/16

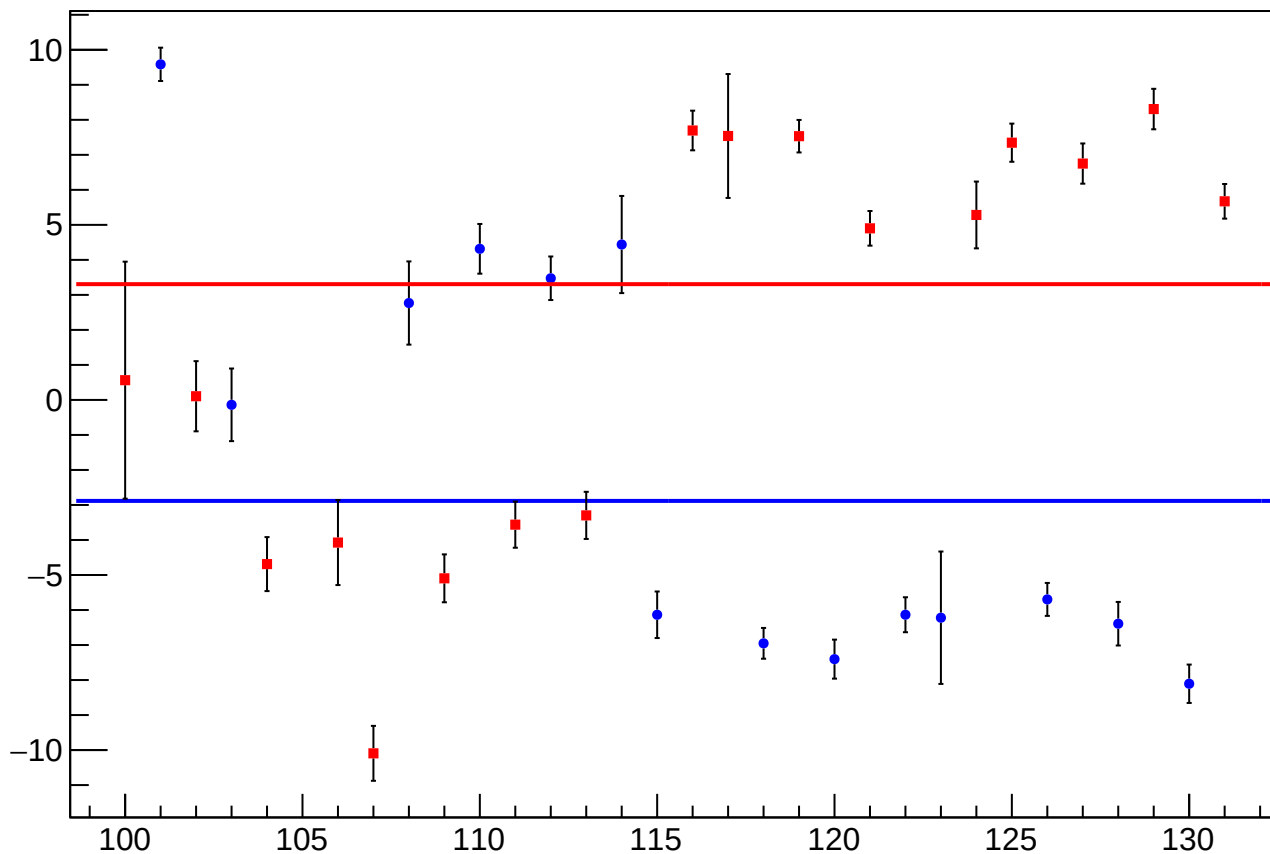
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

19.008+/-0.273  $\chi^2$ /NDF: 272.7/13

-1.627+/-0.185  $\chi^2$ /NDF: 11185.7/30

-19.036+/-0.251  $\chi^2$ /NDF: 408.2/16

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.884+/-0.165  $\chi^2/\text{NDF}$ : 1330.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.307+/-0.161  $\chi^2/\text{NDF}$ : 1155.1/16

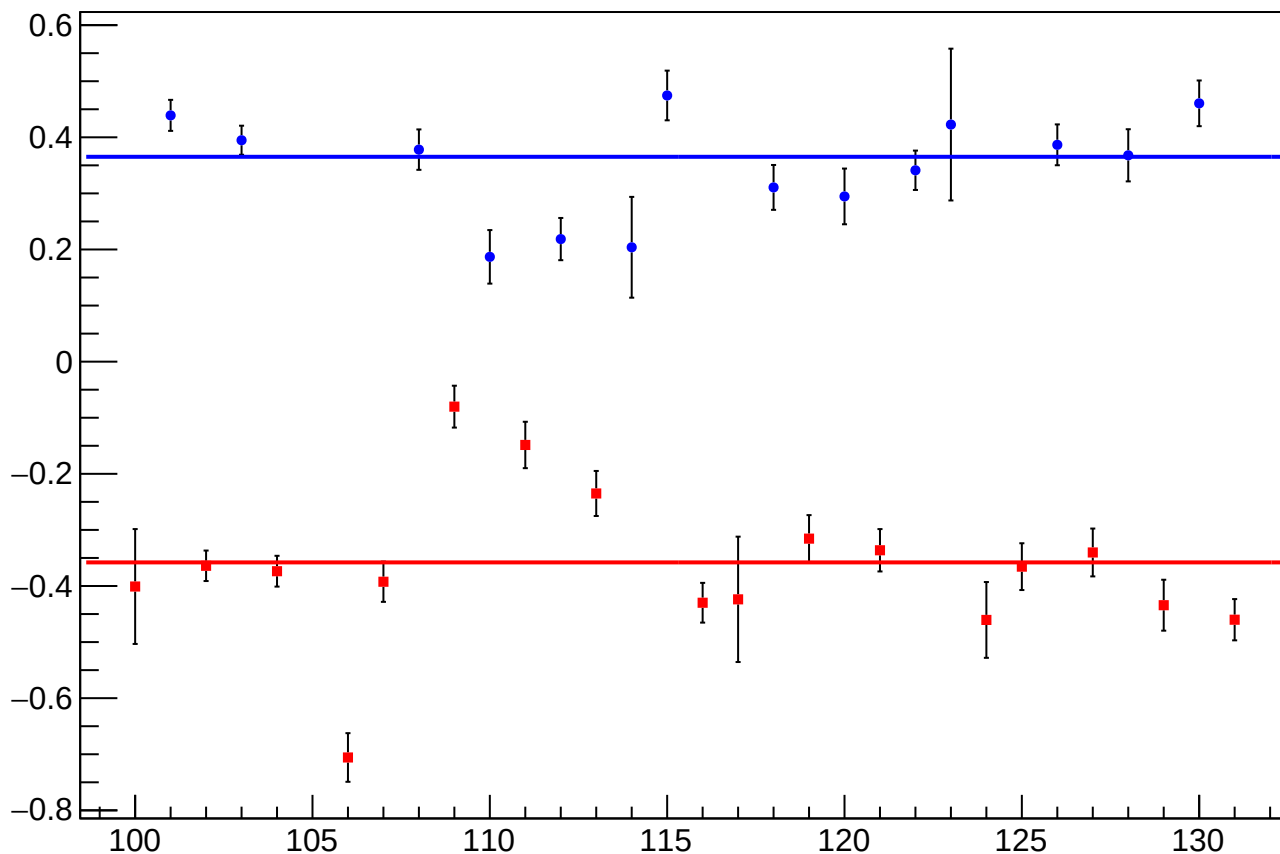
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.884+/-0.165  $\chi^2/\text{NDF}$ : 1330.0/13

0.292+/-0.115  $\chi^2/\text{NDF}$ : 3203.0/30

3.307+/-0.161  $\chi^2/\text{NDF}$ : 1155.1/16

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $0.365 \pm 0.011$   $\chi^2/\text{NDF}$ : 57.4/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.358 \pm 0.010$   $\chi^2/\text{NDF}$ : 175.0/16

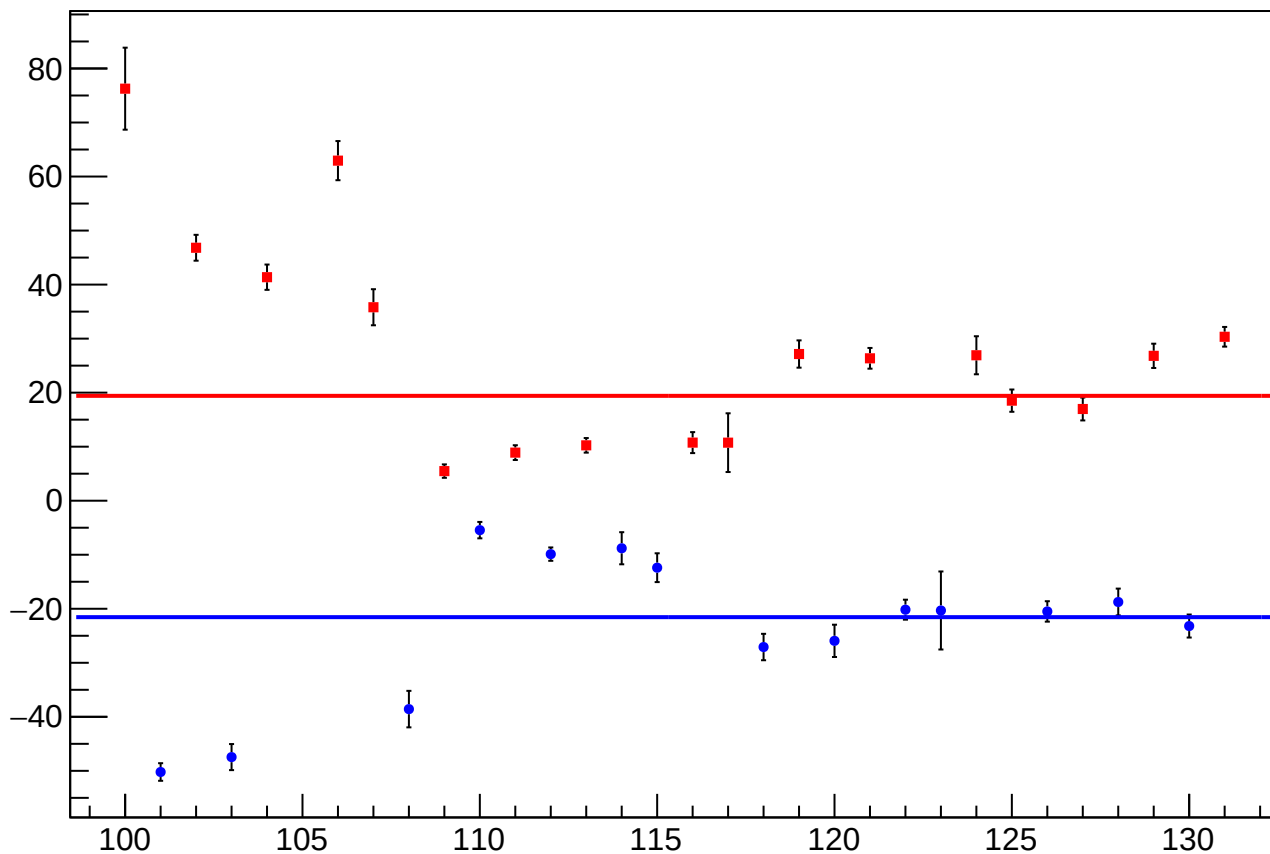
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$0.365 \pm 0.011$   $\chi^2/\text{NDF}$ : 57.4/13

$-0.027 \pm 0.007$   $\chi^2/\text{NDF}$ : 2800.6/30

$-0.358 \pm 0.010$   $\chi^2/\text{NDF}$ : 175.0/16

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -21.553+/-0.556  $\chi^2/\text{NDF}$ : 692.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.409+/-0.498  $\chi^2/\text{NDF}$ : 772.7/16

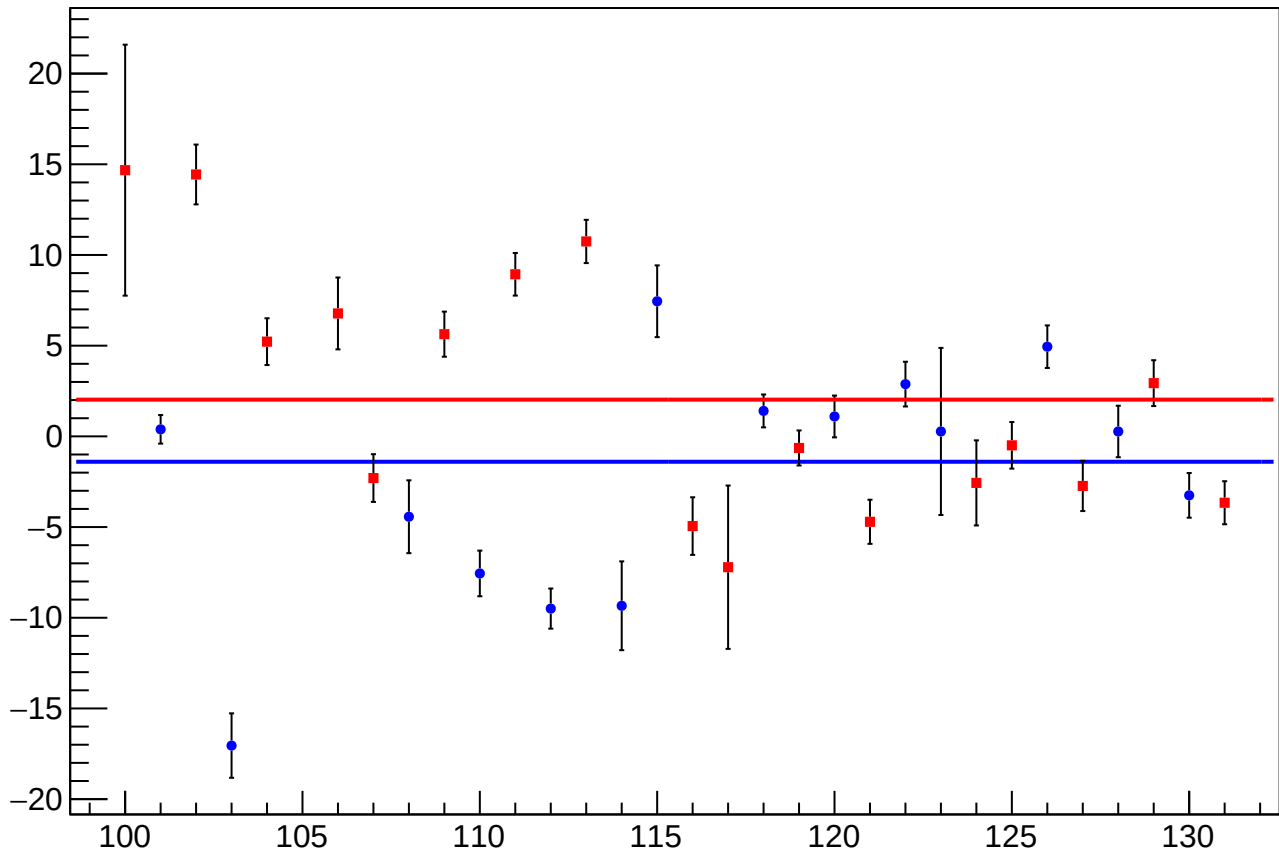
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-21.553+/-0.556  $\chi^2/\text{NDF}$ : 692.2/13

1.201+/-0.371  $\chi^2/\text{NDF}$ : 4477.6/30

19.409+/-0.498  $\chi^2/\text{NDF}$ : 772.7/16

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -1.400+/-0.341  $\chi^2/\text{NDF}$ : 252.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.025+/-0.338  $\chi^2/\text{NDF}$ : 283.9/16

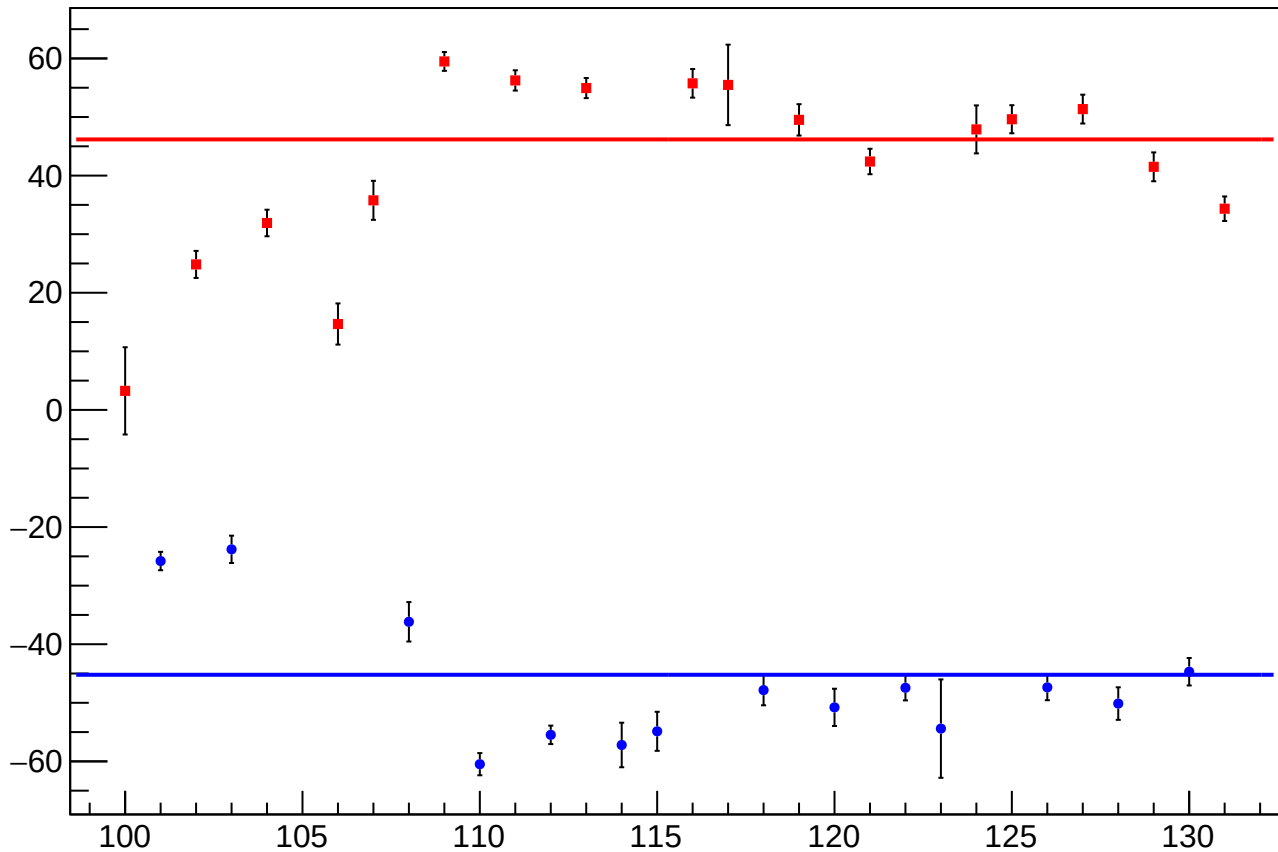
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.400+/-0.341  $\chi^2/\text{NDF}$ : 252.4/13

0.325+/-0.240  $\chi^2/\text{NDF}$ : 587.2/30

2.025+/-0.338  $\chi^2/\text{NDF}$ : 283.9/16

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -45.215+/-0.631  $\chi^2/\text{NDF}$ : 380.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 46.176+/-0.581  $\chi^2/\text{NDF}$ : 440.8/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

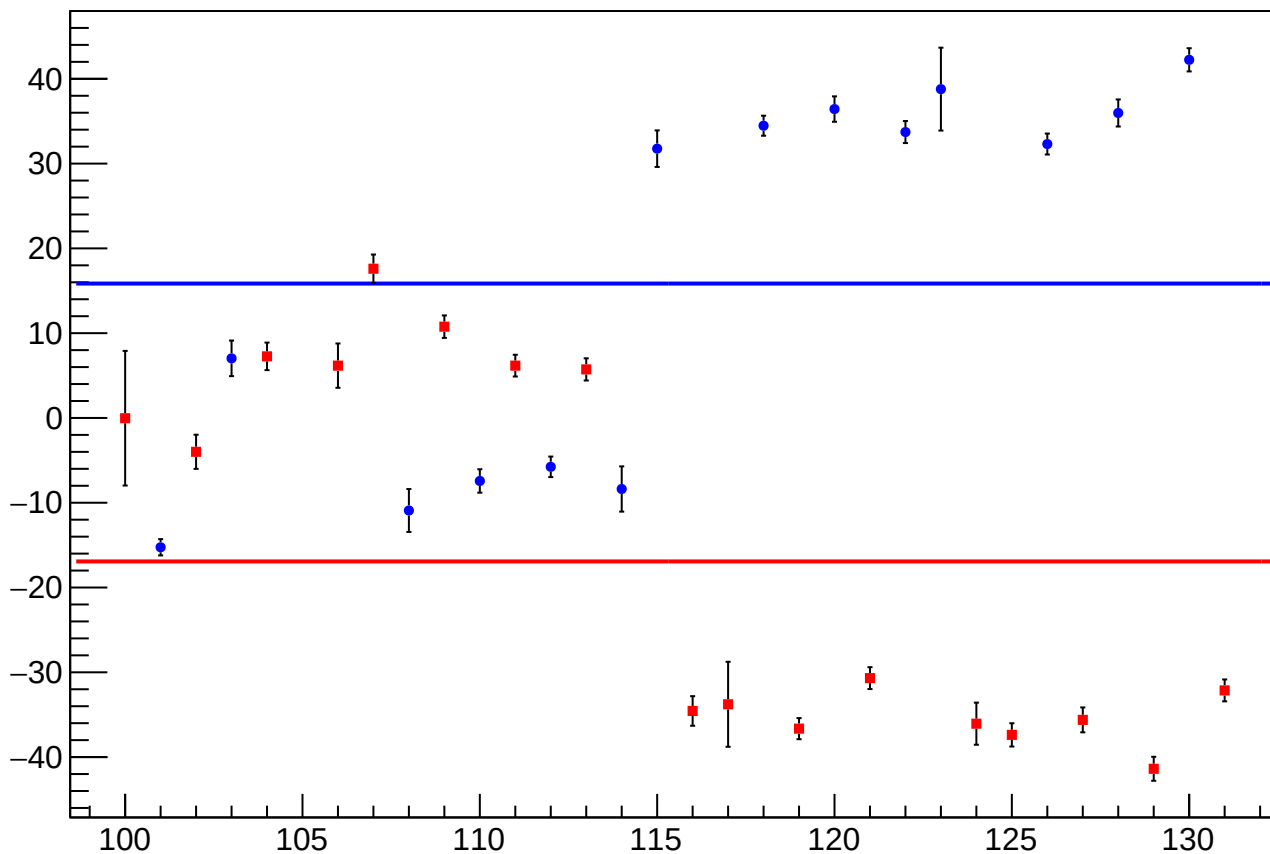
-45.215+/-0.631  $\chi^2/\text{NDF}$ : 380.6/13

4.222+/-0.427  $\chi^2/\text{NDF}$ : 12182.5/30

46.176+/-0.581  $\chi^2/\text{NDF}$ : 440.8/16



reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 15.851+/-0.395  $\chi^2/\text{NDF}$ : 3273.1/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -16.923+/-0.384  $\chi^2/\text{NDF}$ : 3191.1/16

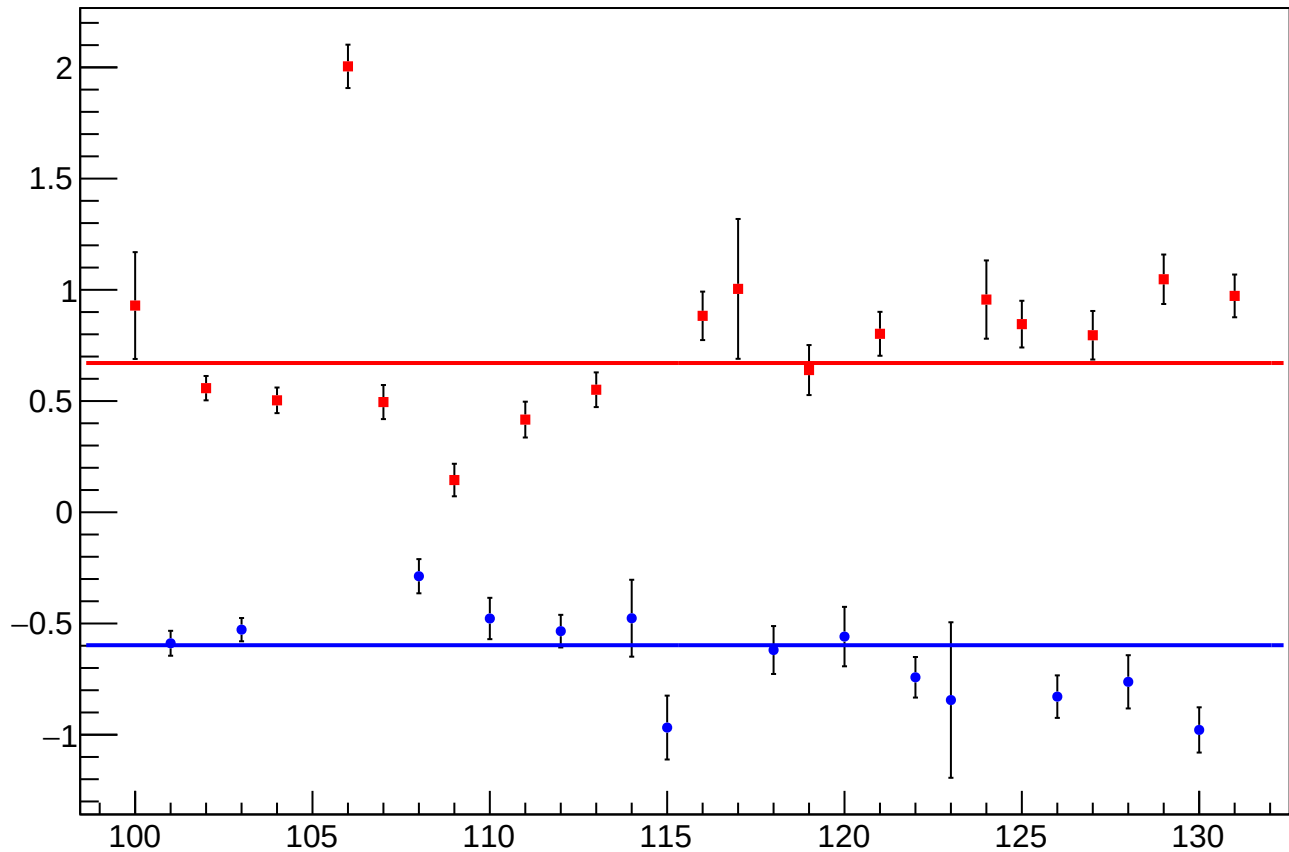
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

15.851+/-0.395  $\chi^2/\text{NDF}$ : 3273.1/13

-0.998+/-0.275  $\chi^2/\text{NDF}$ : 10001.0/30

-16.923+/-0.384  $\chi^2/\text{NDF}$ : 3191.1/16

reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.598+/-0.024  $\chi^2/\text{NDF}$ : 52.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.671+/-0.022  $\chi^2/\text{NDF}$ : 305.1/16

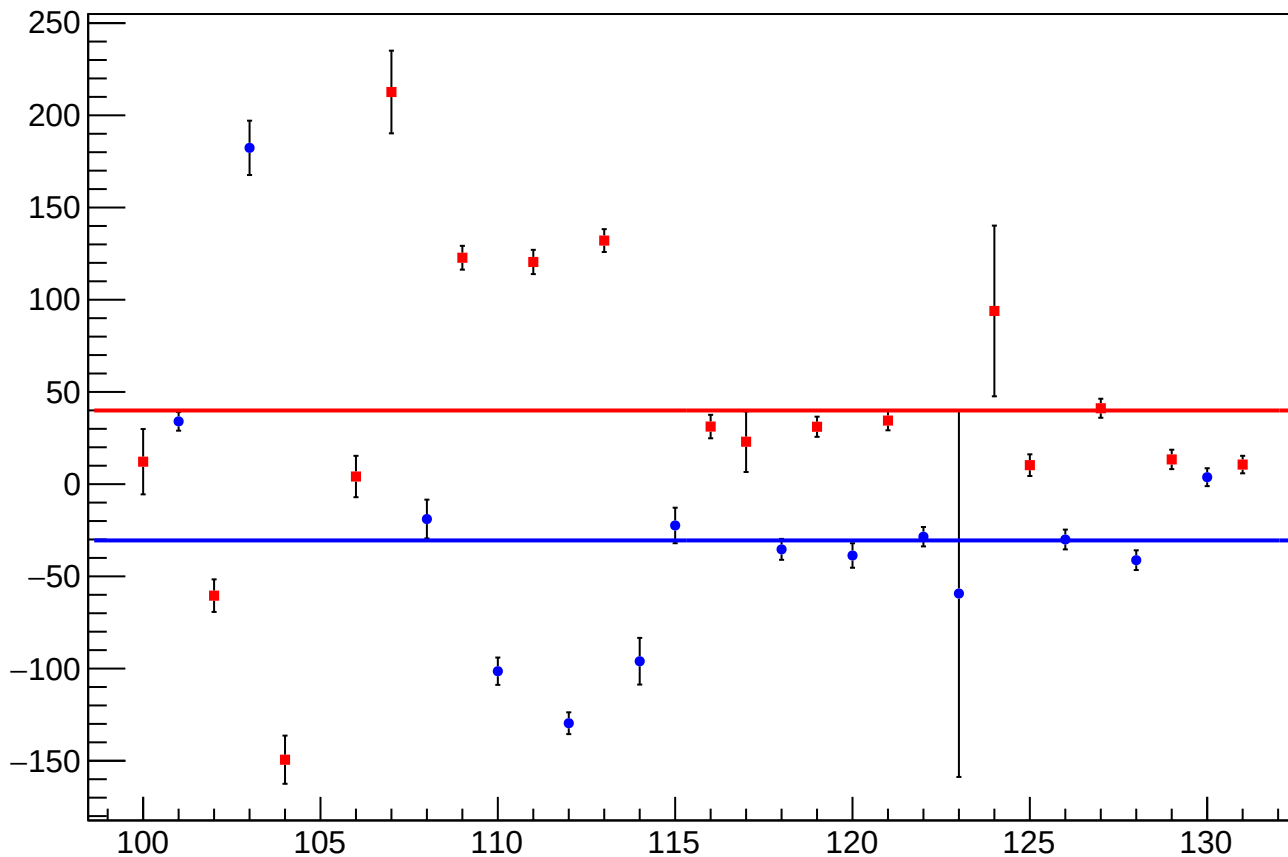
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.598+/-0.024  $\chi^2/\text{NDF}$ : 52.5/13

0.089+/-0.016  $\chi^2/\text{NDF}$ : 1912.3/30

0.671+/-0.022  $\chi^2/\text{NDF}$ : 305.1/16

reg\_asym\_atl1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-30.517 \pm 1.771$   $\chi^2/\text{NDF}$ : 830.4/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $39.950 \pm 1.690$   $\chi^2/\text{NDF}$ : 1044.0/16

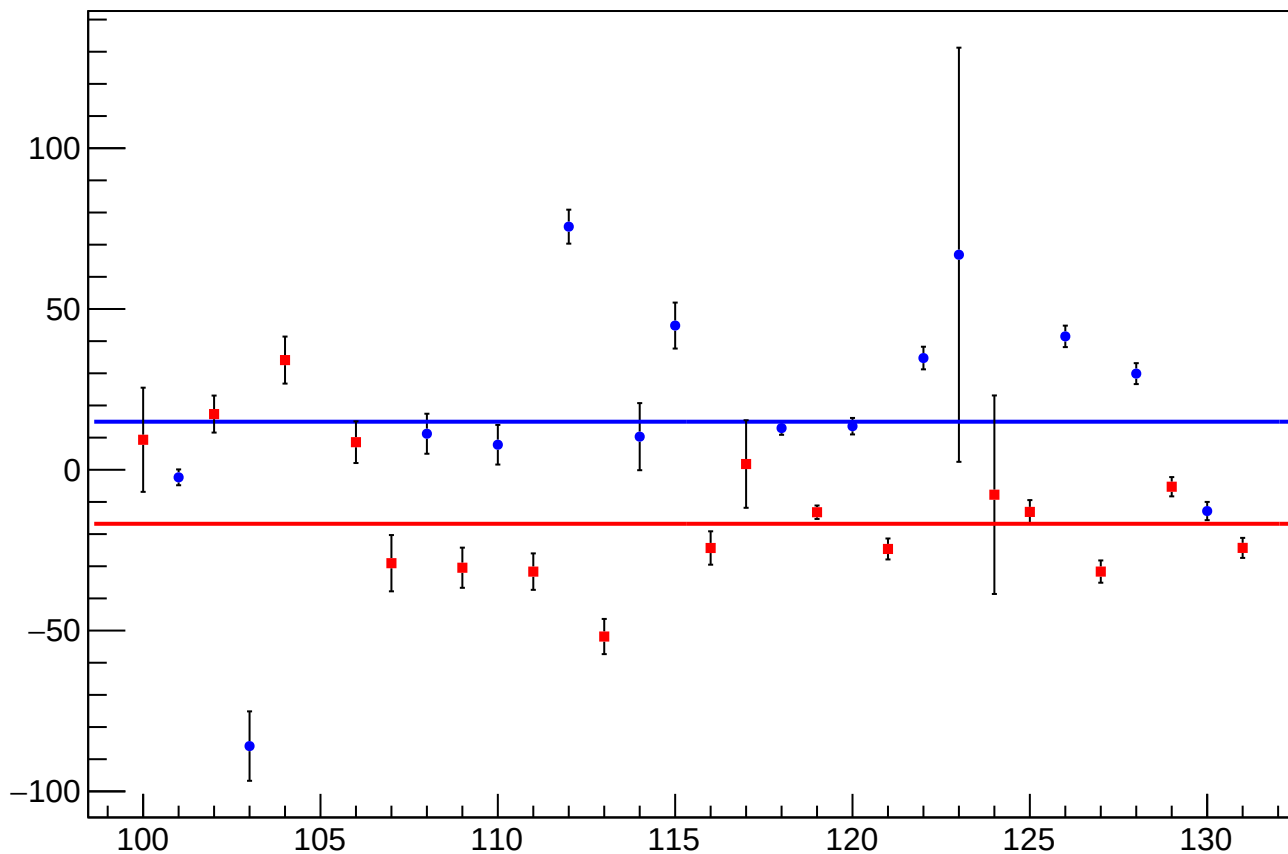
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-30.517 \pm 1.771$   $\chi^2/\text{NDF}$ : 830.4/13

$6.366 \pm 1.222$   $\chi^2/\text{NDF}$ : 2703.4/30

$39.950 \pm 1.690$   $\chi^2/\text{NDF}$ : 1044.0/16

reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 14.951+/-0.971  $\chi^2/\text{NDF}$ : 501.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -16.793+/-1.044  $\chi^2/\text{NDF}$ : 209.1/16

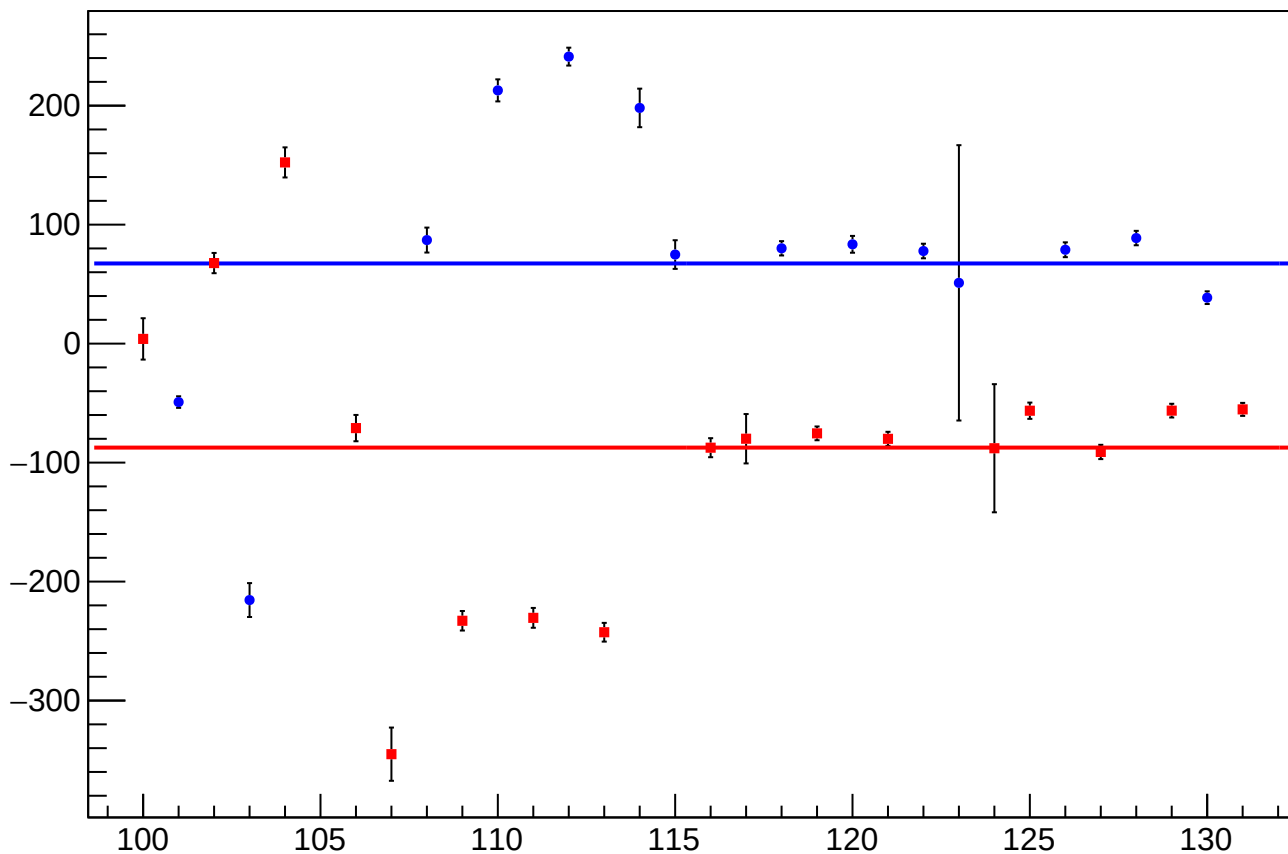
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

14.951+/-0.971  $\chi^2/\text{NDF}$ : 501.5/13

0.221+/-0.711  $\chi^2/\text{NDF}$ : 1206.0/30

-16.793+/-1.044  $\chi^2/\text{NDF}$ : 209.1/16

reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 67.370+/-1.966  $\chi^2$ /NDF: 1874.0/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -87.385+/-1.930  $\chi^2$ /NDF: 1940.5/16

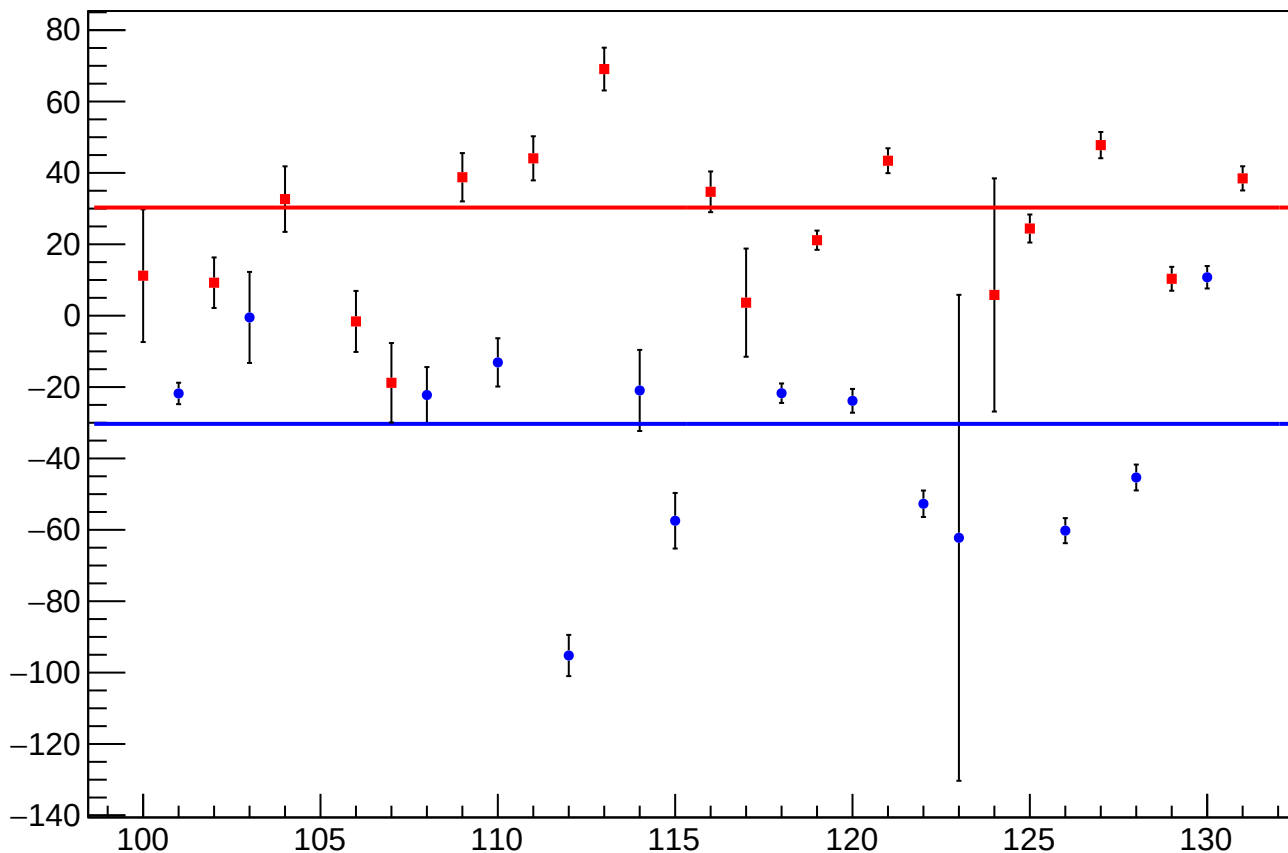
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

67.370+/-1.966  $\chi^2$ /NDF: 1874.0/13

-11.446+/-1.377  $\chi^2$ /NDF: 6969.7/30

-87.385+/-1.930  $\chi^2$ /NDF: 1940.5/16

reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -30.312 $\pm$ 1.143  $\chi^2$ /NDF: 471.0/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 30.295 $\pm$ 1.192  $\chi^2$ /NDF: 187.9/16

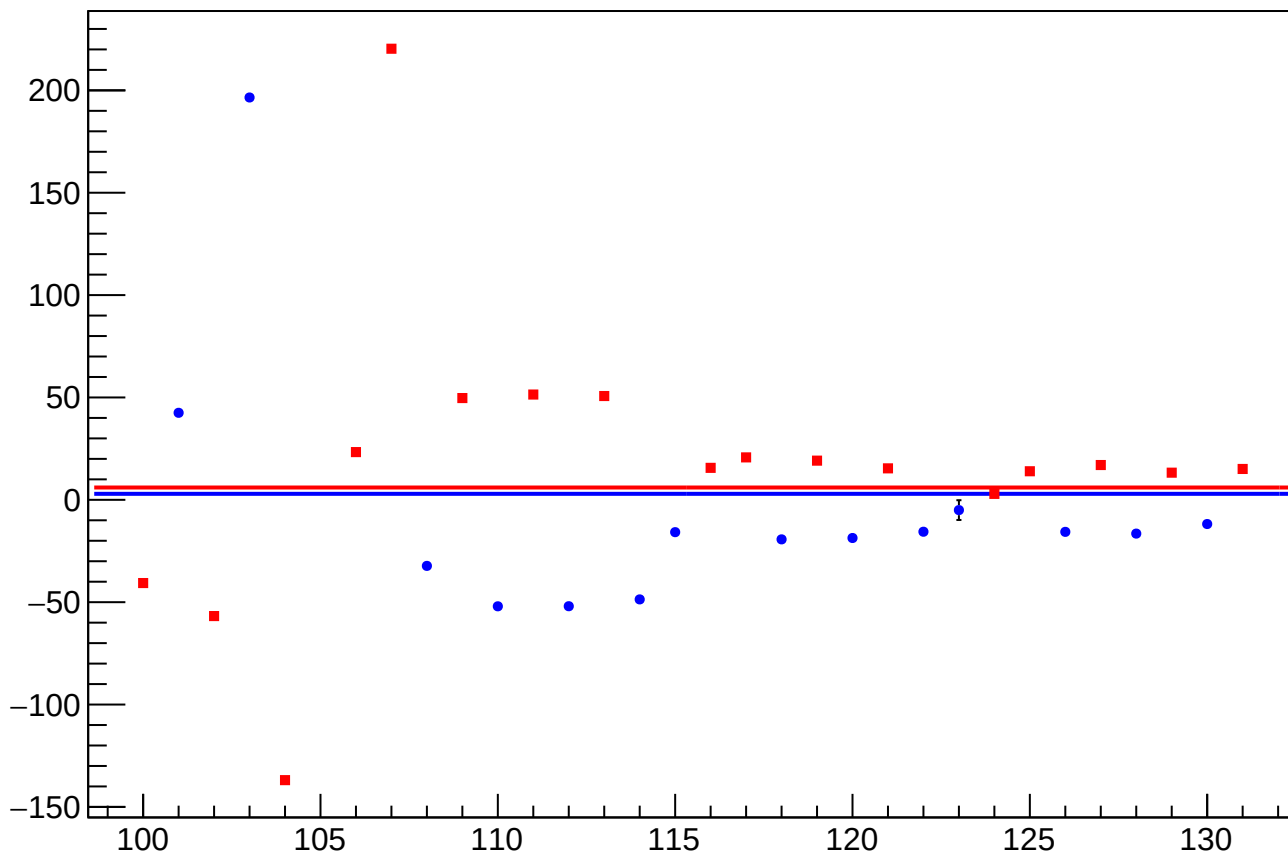
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

-30.312 $\pm$ 1.143  $\chi^2$ /NDF: 471.0/13

-1.285 $\pm$ 0.825  $\chi^2$ /NDF: 2005.4/30

30.295 $\pm$ 1.192  $\chi^2$ /NDF: 187.9/16

reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 2.929+/-0.077  $\chi^2/\text{NDF}$ : 518343.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.015+/-0.076  $\chi^2/\text{NDF}$ : 531045.4/16

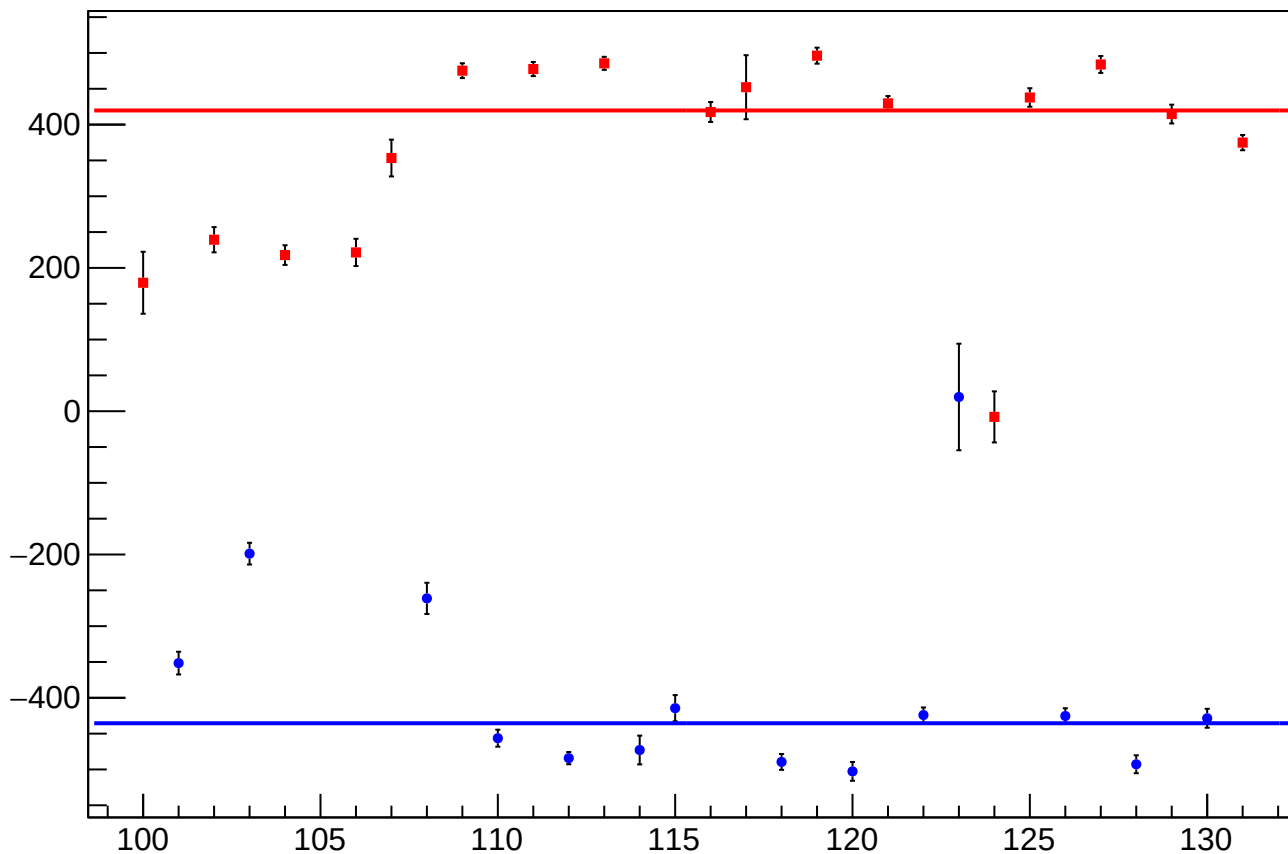
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.929+/-0.077  $\chi^2/\text{NDF}$ : 518343.8/13

4.491+/-0.054  $\chi^2/\text{NDF}$ : 1050197.8/30

6.015+/-0.076  $\chi^2/\text{NDF}$ : 531045.4/16

reg\_asym\_atl2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -435.516+/-3.528  $\chi^2/\text{NDF}$ : 485.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 419.736+/-3.212  $\chi^2/\text{NDF}$ : 824.9/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

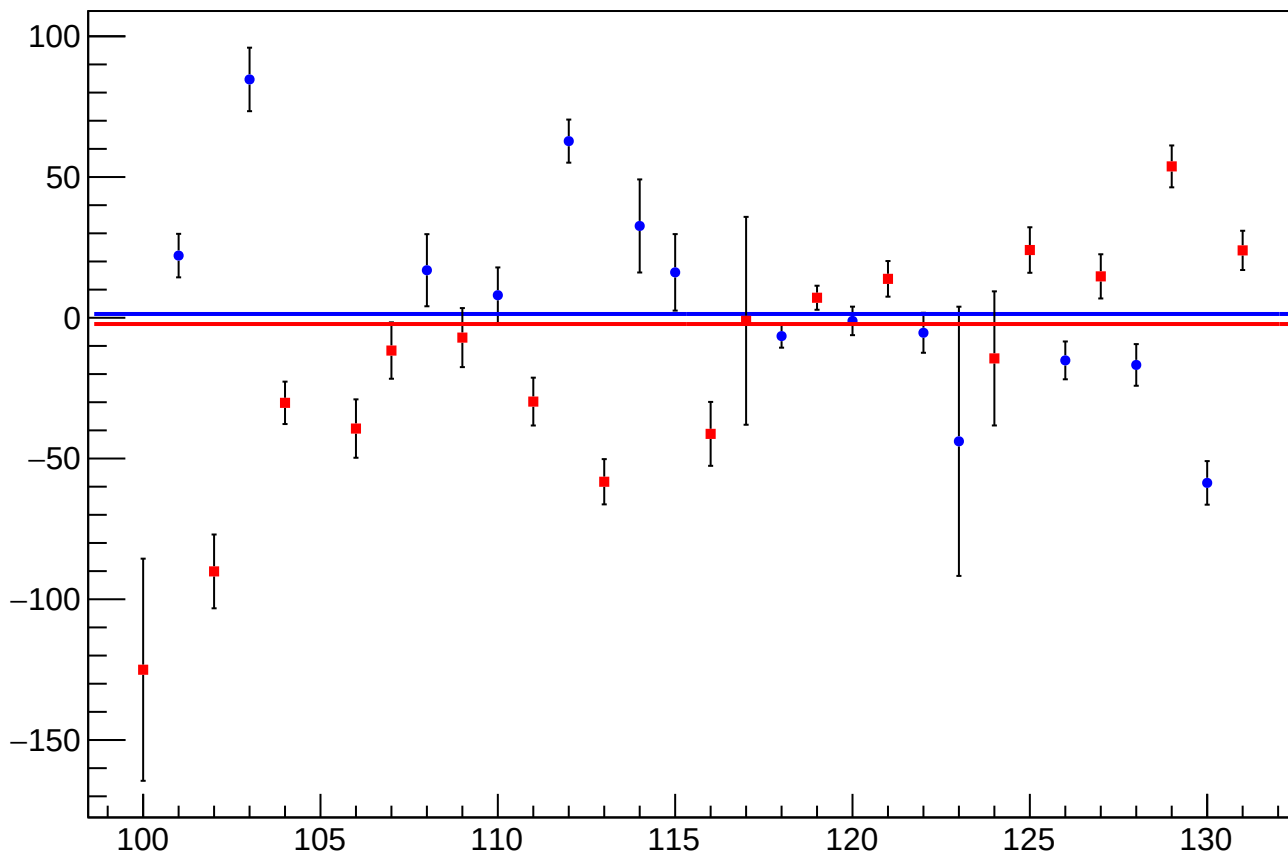
-435.516+/-3.528  $\chi^2/\text{NDF}$ : 485.9/13

32.185+/-2.375  $\chi^2/\text{NDF}$ : 33439.0/30

419.736+/-3.212  $\chi^2/\text{NDF}$ : 824.9/16



reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.350+/-2.031  $\chi^2/\text{NDF}$ : 210.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.219+/-2.033  $\chi^2/\text{NDF}$ : 250.7/16

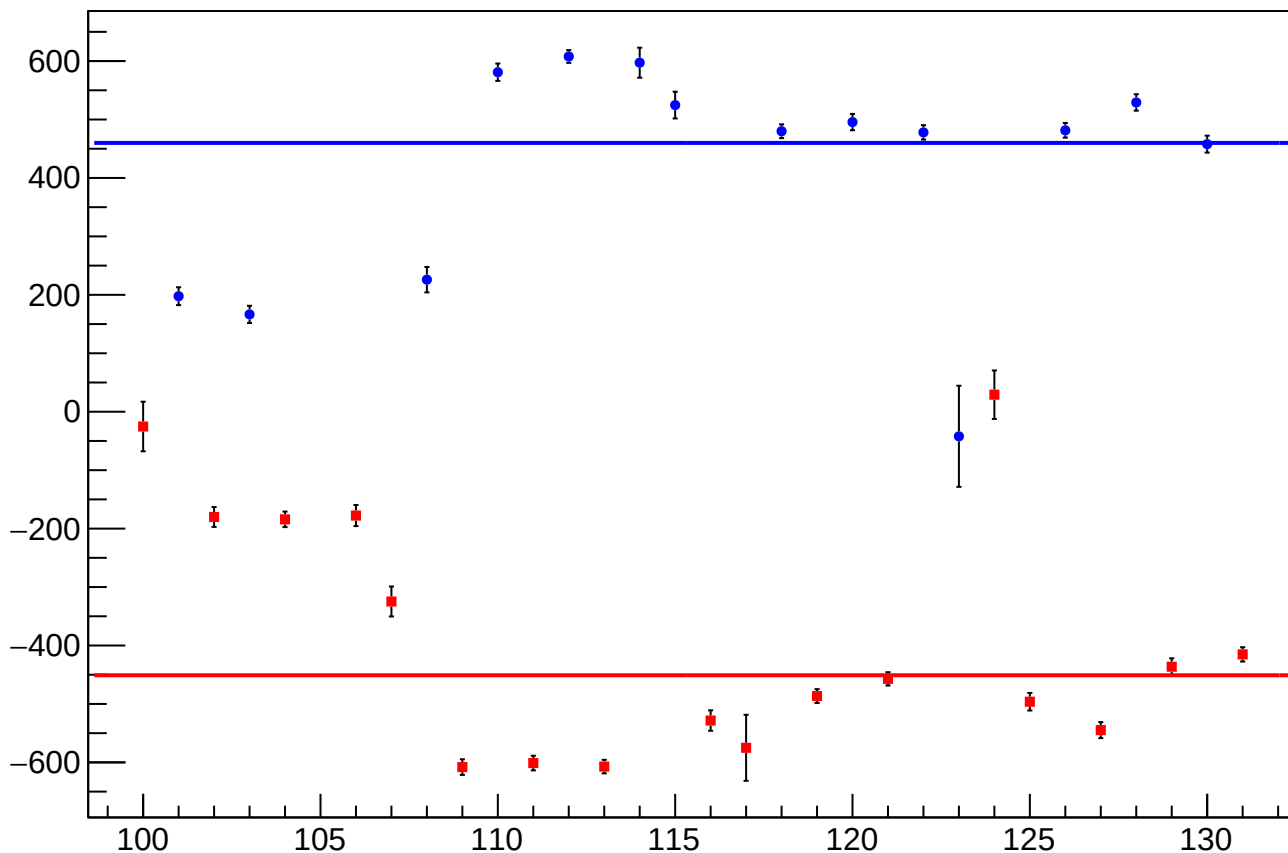
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.350+/-2.031  $\chi^2/\text{NDF}$ : 210.5/13

-0.433+/-1.437  $\chi^2/\text{NDF}$ : 462.7/30

-2.219+/-2.033  $\chi^2/\text{NDF}$ : 250.7/16

reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 459.970+/-3.999  $\chi^2/\text{NDF}$ : 1169.1/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -450.925+/-3.678  $\chi^2/\text{NDF}$ : 1707.6/16

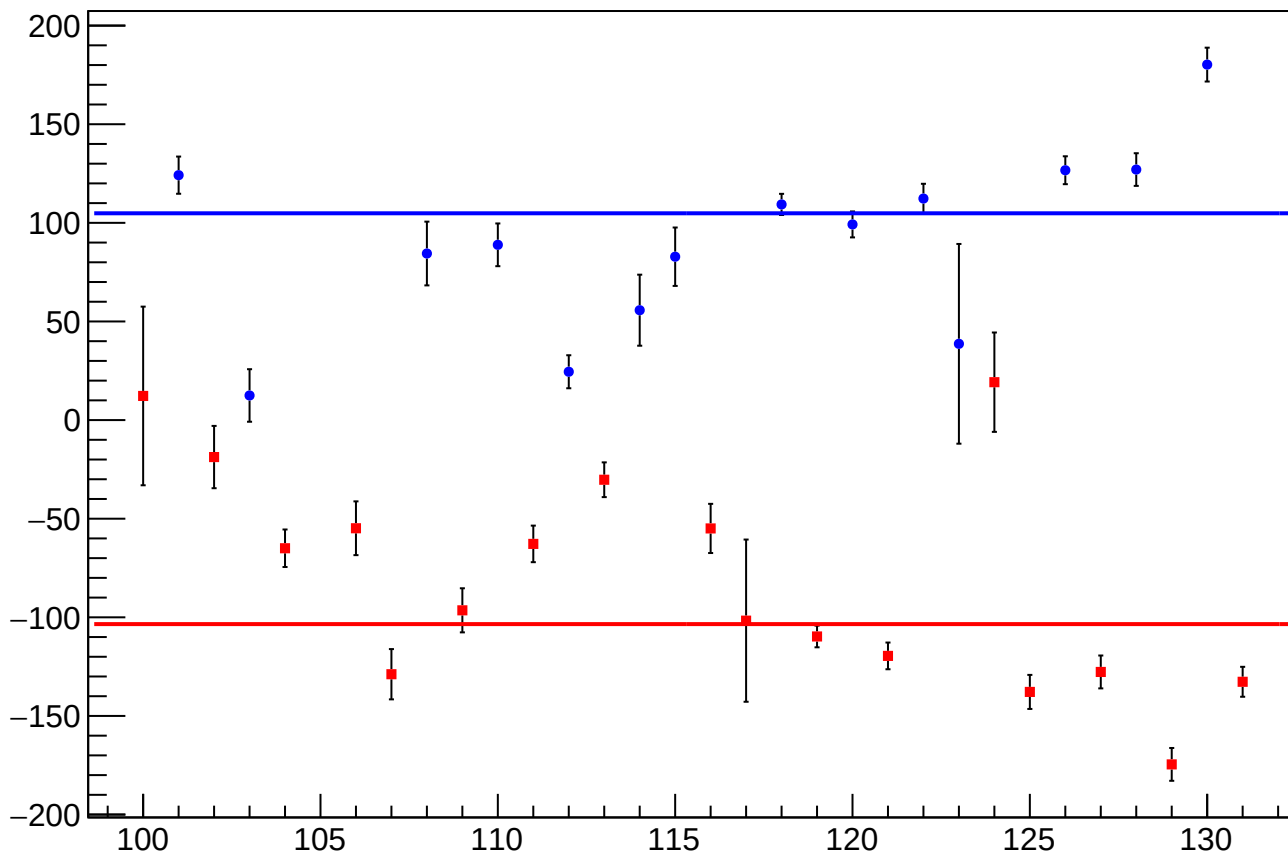
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

459.970+/-3.999  $\chi^2/\text{NDF}$ : 1169.1/13

-33.456+/-2.707  $\chi^2/\text{NDF}$ : 30983.9/30

-450.925+/-3.678  $\chi^2/\text{NDF}$ : 1707.6/16

reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 104.843 $\pm$ 2.388  $\chi^2$ /NDF: 255.9/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -103.440 $\pm$ 2.339  $\chi^2$ /NDF: 315.1/16

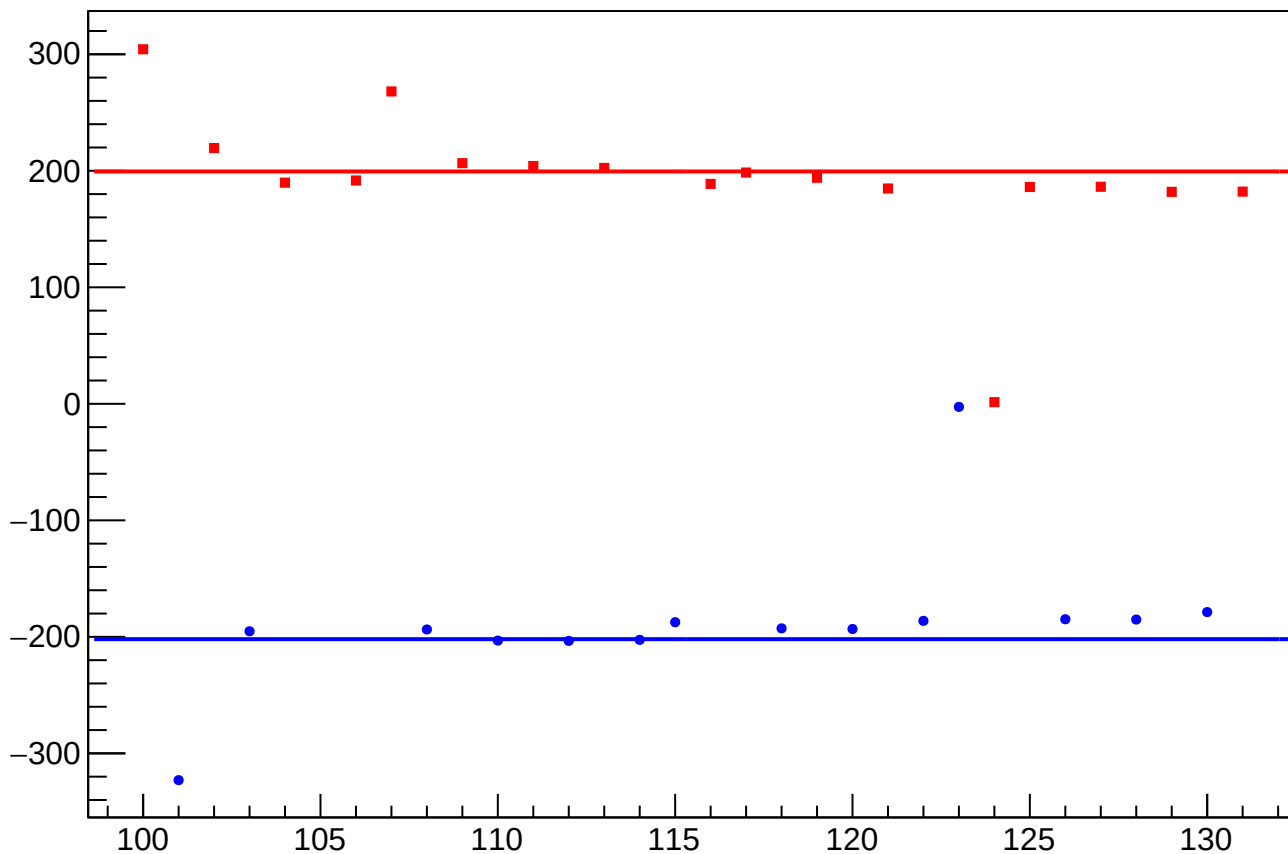
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

104.843 $\pm$ 2.388  $\chi^2$ /NDF: 255.9/13

-1.441 $\pm$ 1.671  $\chi^2$ /NDF: 4454.0/30

-103.440 $\pm$ 2.339  $\chi^2$ /NDF: 315.1/16

reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-201.982 \pm 0.152$   $\chi^2/\text{NDF}: 56830.7/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $199.429 \pm 0.139$   $\chi^2/\text{NDF}: 39251.1/16$

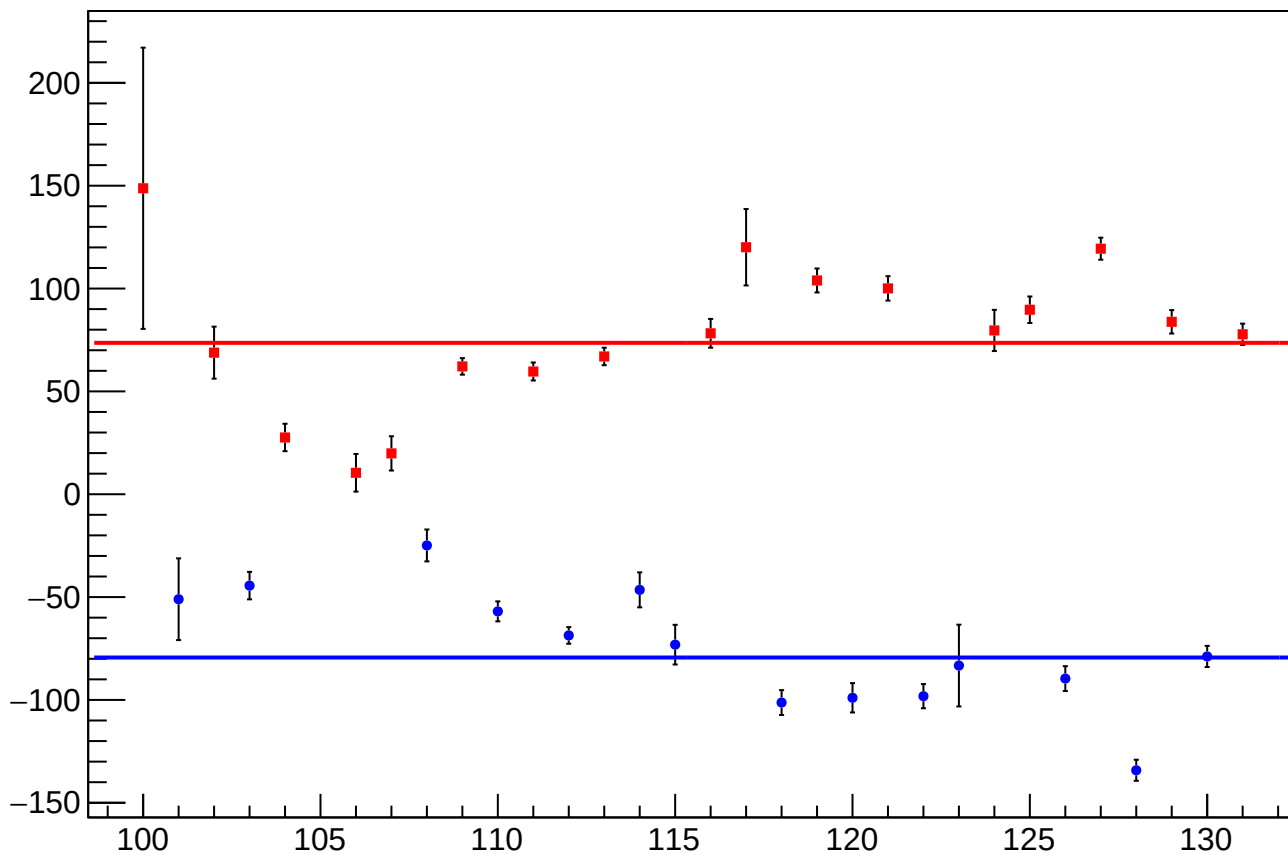
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-201.982 \pm 0.152$   $\chi^2/\text{NDF}: 56830.7/13$

$16.132 \pm 0.103$   $\chi^2/\text{NDF}: 3895903.4/30$

$199.429 \pm 0.139$   $\chi^2/\text{NDF}: 39251.1/16$

reg\_asym\_atr1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -79.382+/-1.686  $\chi^2/\text{NDF}$ : 271.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 73.614+/-1.502  $\chi^2/\text{NDF}$ : 296.0/16

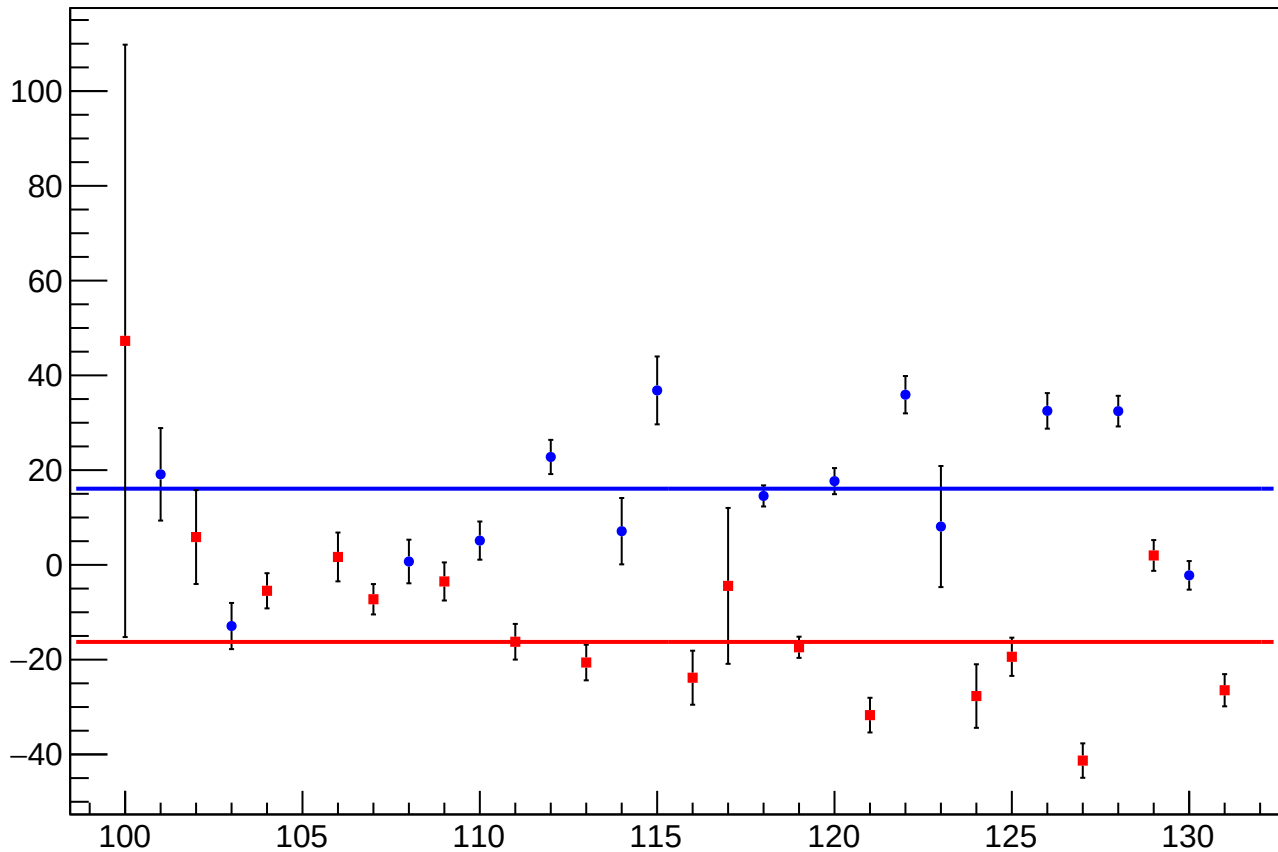
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-79.382+/-1.686  $\chi^2/\text{NDF}$ : 271.2/13

5.901+/-1.122  $\chi^2/\text{NDF}$ : 5156.8/30

73.614+/-1.502  $\chi^2/\text{NDF}$ : 296.0/16

reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 16.084 $\pm$ 1.021  $\chi^2$ /NDF: 175.5/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -16.260 $\pm$ 0.966  $\chi^2$ /NDF: 157.8/16

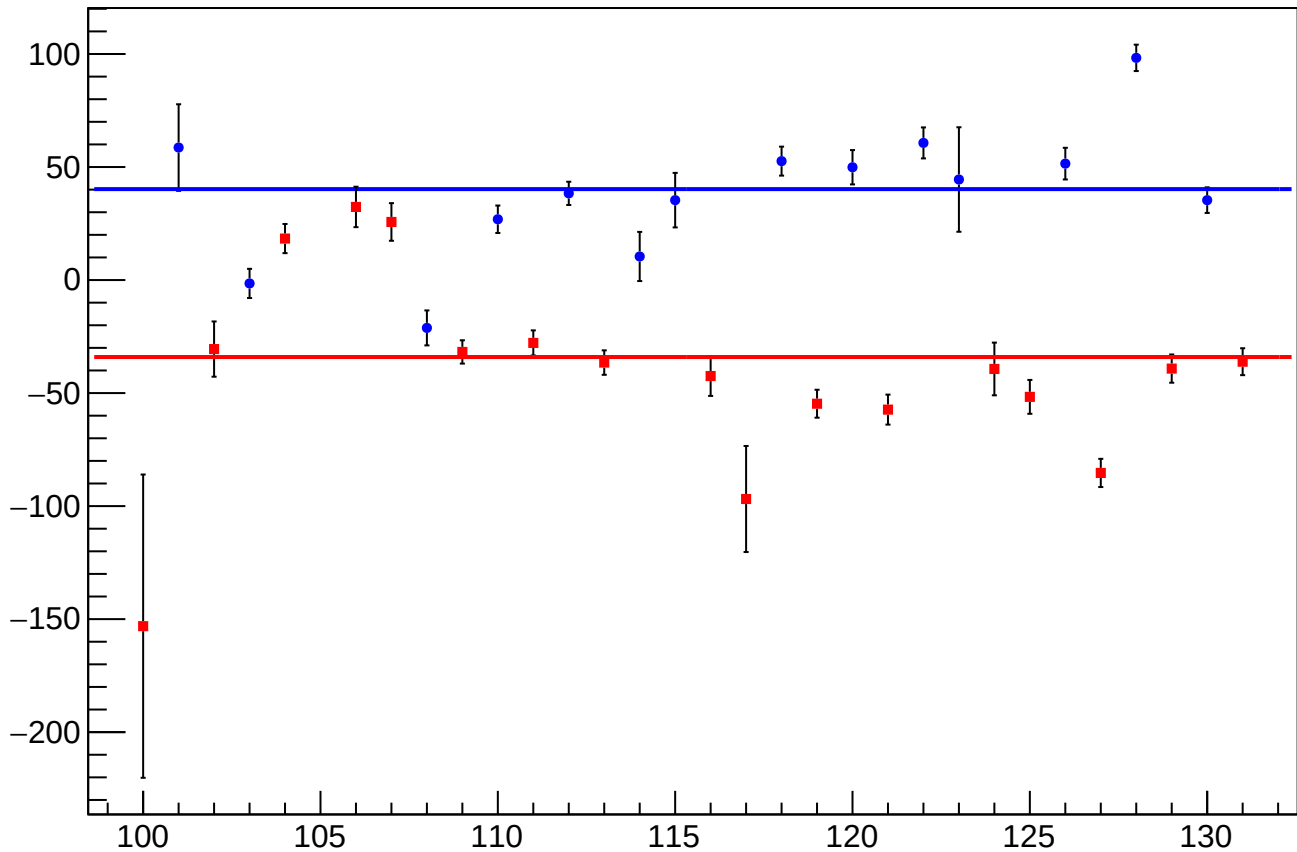
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

16.084 $\pm$ 1.021  $\chi^2$ /NDF: 175.5/13

-0.984 $\pm$ 0.702  $\chi^2$ /NDF: 862.5/30

-16.260 $\pm$ 0.966  $\chi^2$ /NDF: 157.8/16

reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 40.230+/-1.927  $\chi^2$ /NDF: 234.9/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -34.051+/-1.739  $\chi^2$ /NDF: 283.1/16

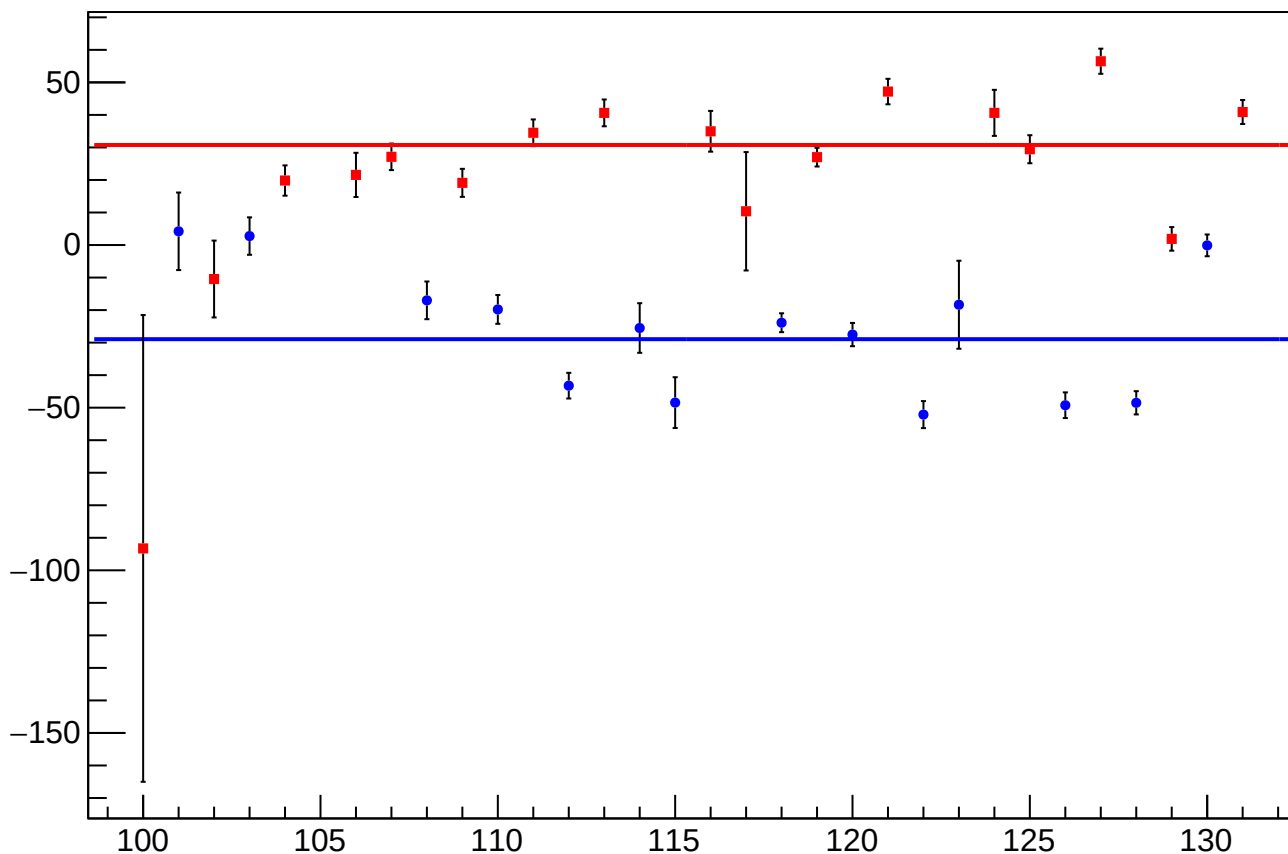
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

40.230+/-1.927  $\chi^2$ /NDF: 234.9/13

-0.699+/-1.291  $\chi^2$ /NDF: 1337.0/30

-34.051+/-1.739  $\chi^2$ /NDF: 283.1/16

reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-28.942 \pm 1.188$   $\chi^2/\text{NDF}$ : 232.0/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $30.751 \pm 1.110$   $\chi^2/\text{NDF}$ : 175.3/16

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

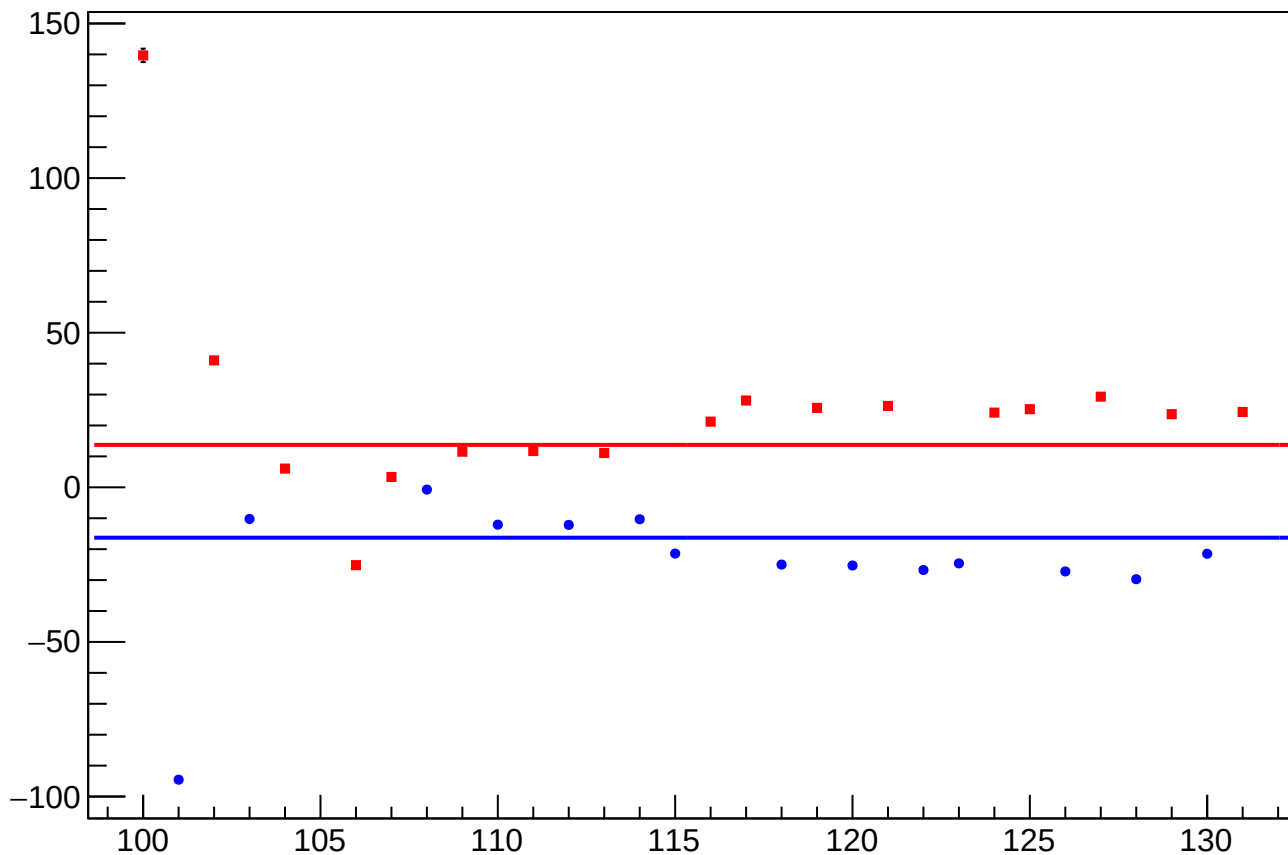
$-28.942 \pm 1.188$   $\chi^2/\text{NDF}$ : 232.0/13

$2.936 \pm 0.811$   $\chi^2/\text{NDF}$ : 1755.3/30

$30.751 \pm 1.110$   $\chi^2/\text{NDF}$ : 175.3/16



reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -16.294+/-0.071  $\chi^2/\text{NDF}$ : 31097.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.725+/-0.065  $\chi^2/\text{NDF}$ : 56635.6/16

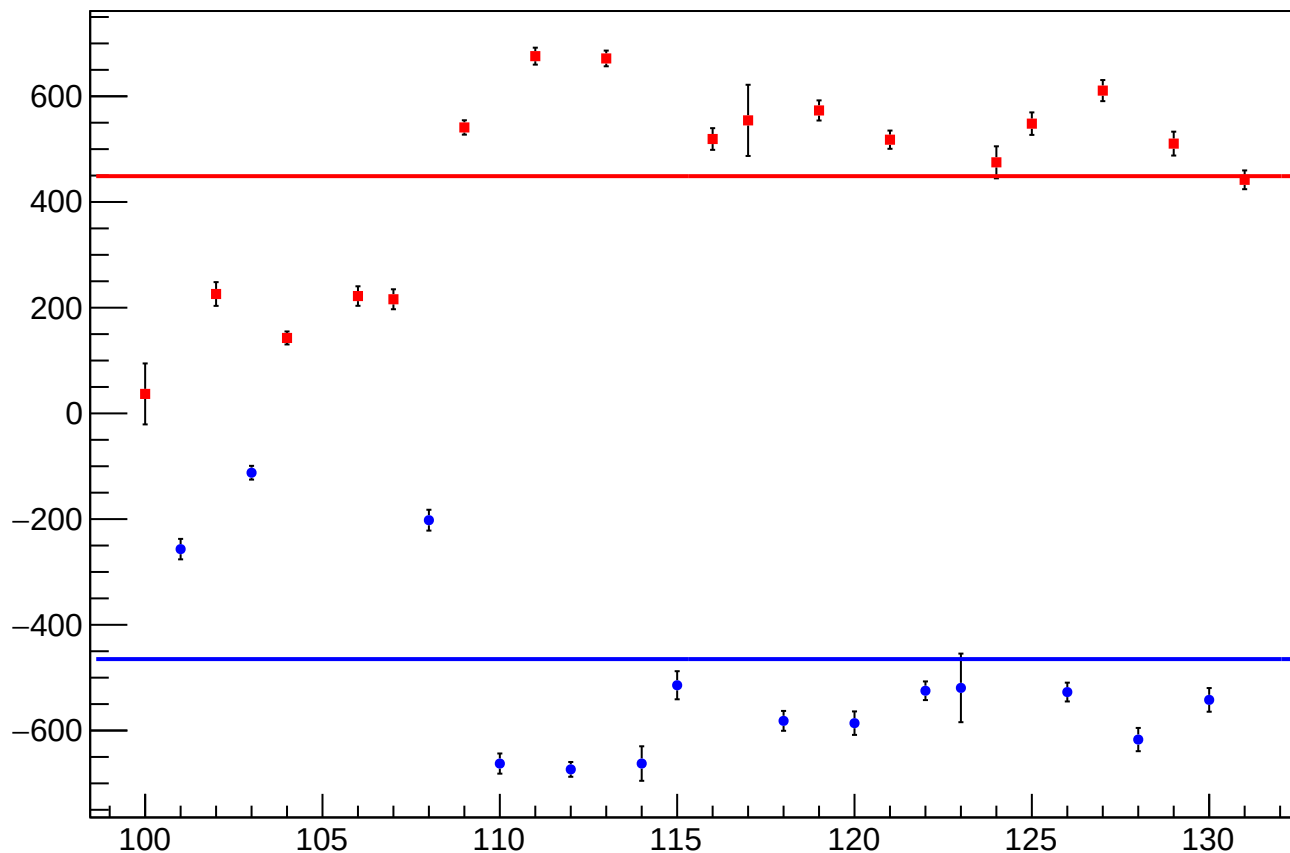
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-16.294+/-0.071  $\chi^2/\text{NDF}$ : 31097.4/13

-0.059+/-0.048  $\chi^2/\text{NDF}$ : 184408.5/30

13.725+/-0.065  $\chi^2/\text{NDF}$ : 56635.6/16

reg\_asym\_atr2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -464.872+/-5.207  $\chi^2$ /NDF: 1550.1/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 448.879+/-4.559  $\chi^2$ /NDF: 1712.6/16

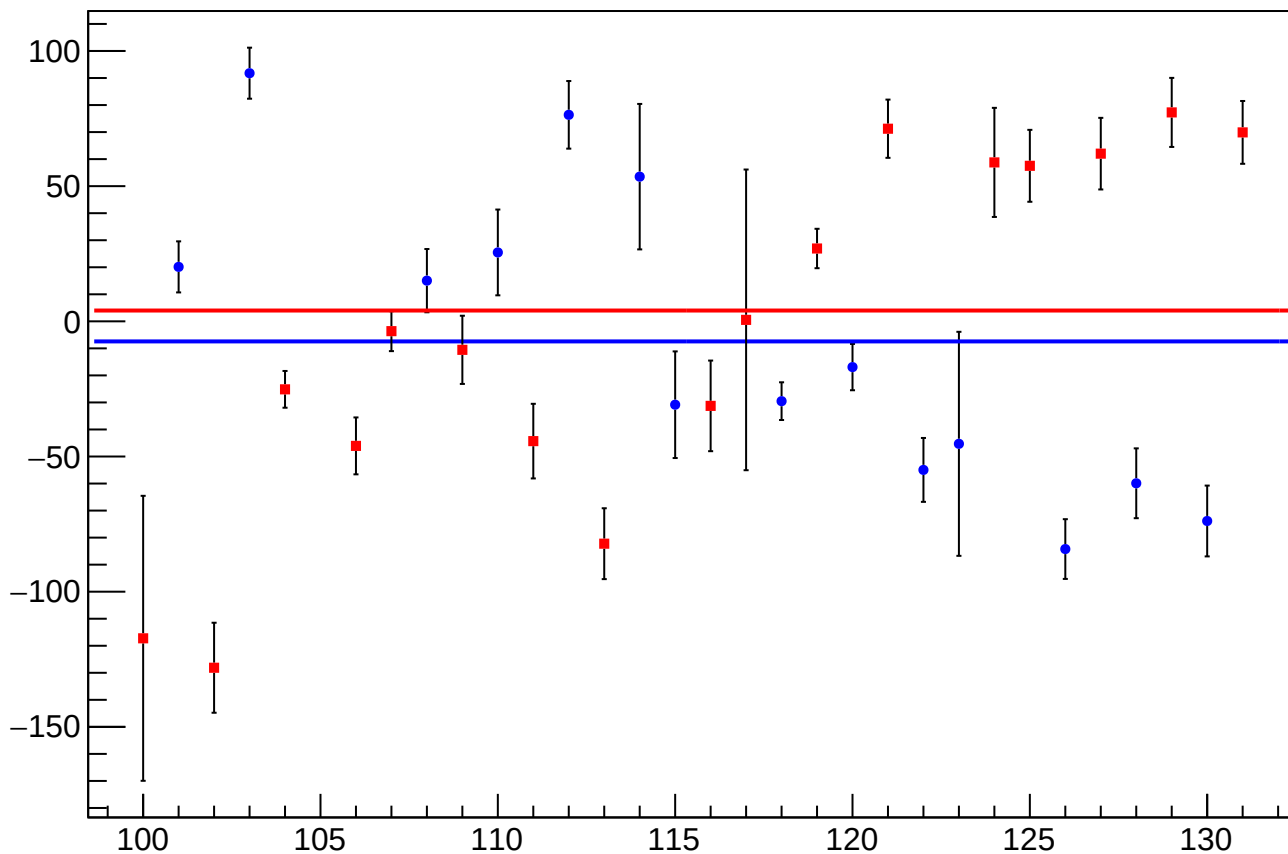
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-464.872+/-5.207  $\chi^2$ /NDF: 1550.1/13

52.396+/-3.430  $\chi^2$ /NDF: 20694.6/30

448.879+/-4.559  $\chi^2$ /NDF: 1712.6/16

reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -7.426+/-3.072  $\chi^2$ /NDF: 297.2/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3.997+/-2.784  $\chi^2$ /NDF: 328.5/16

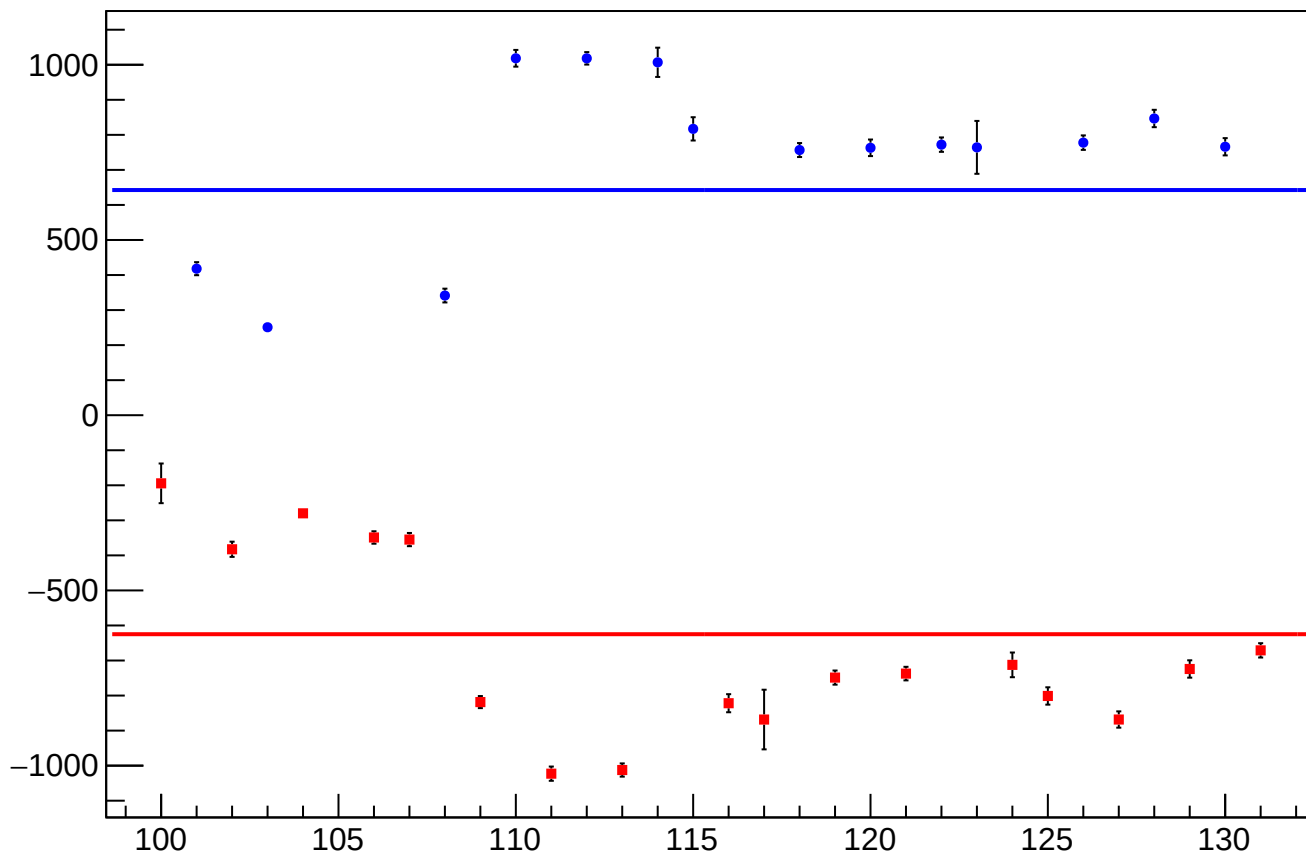
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-7.426+/-3.072  $\chi^2$ /NDF: 297.2/13

-1.155+/-2.063  $\chi^2$ /NDF: 633.3/30

3.997+/-2.784  $\chi^2$ /NDF: 328.5/16

reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 642.529+/-5.715  $\chi^2/\text{NDF}$ : 2380.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -624.918+/-5.053  $\chi^2/\text{NDF}$ : 2726.2/16

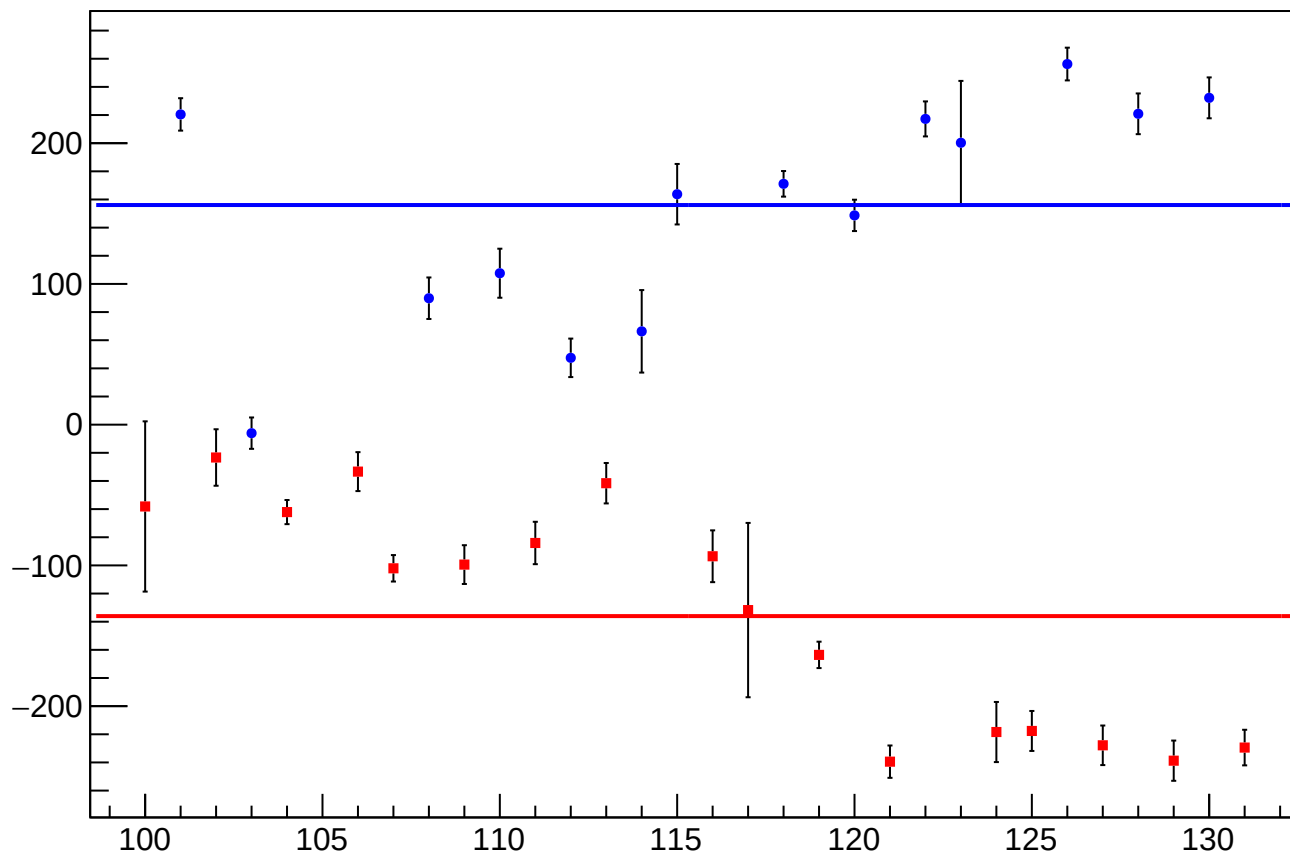
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

642.529+/-5.715  $\chi^2/\text{NDF}$ : 2380.9/13

-68.771+/-3.786  $\chi^2/\text{NDF}$ : 32710.5/30

-624.918+/-5.053  $\chi^2/\text{NDF}$ : 2726.2/16

reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 156.057+/-3.623  $\chi^2/\text{NDF}$ : 493.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -136.022+/-3.280  $\chi^2/\text{NDF}$ : 529.5/16

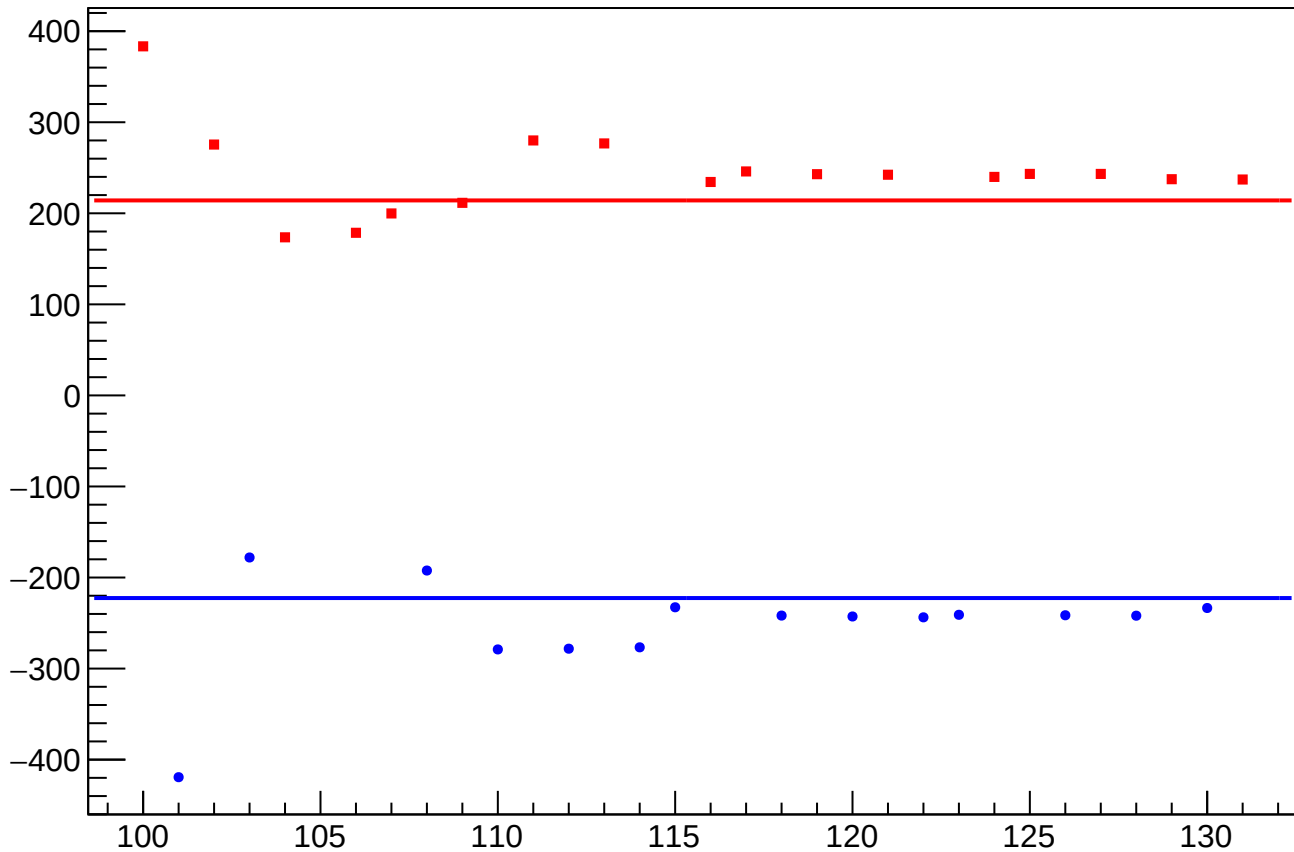
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

156.057+/-3.623  $\chi^2/\text{NDF}$ : 493.4/13

-4.436+/-2.432  $\chi^2/\text{NDF}$ : 4594.9/30

-136.022+/-3.280  $\chi^2/\text{NDF}$ : 529.5/16

reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -222.541+/-0.184  $\chi^2$ /NDF: 125722.2/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 214.137+/-0.166  $\chi^2$ /NDF: 62621.8/16

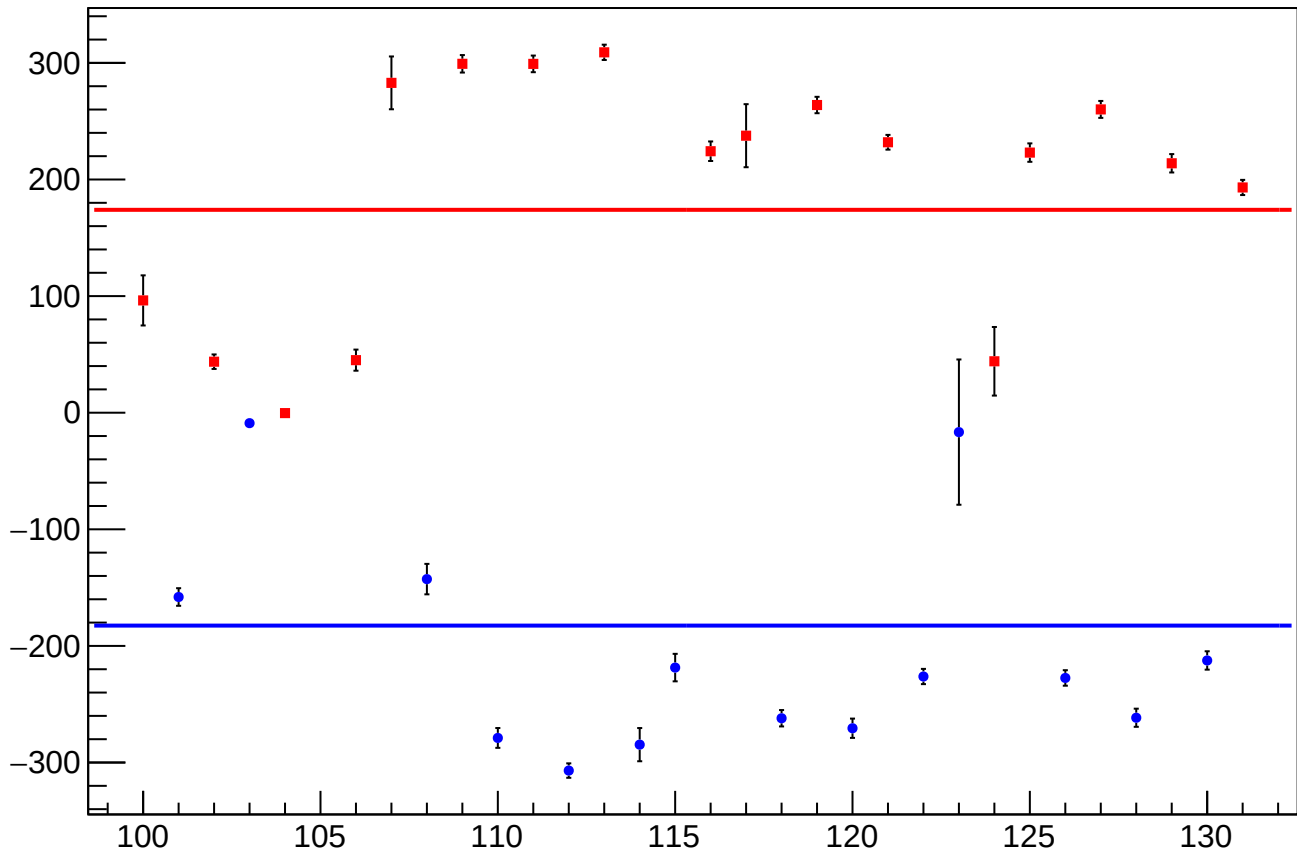
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-222.541+/-0.184  $\chi^2$ /NDF: 125722.2/13

18.759+/-0.123  $\chi^2$ /NDF: 3301629.9/30

214.137+/-0.166  $\chi^2$ /NDF: 62621.8/16

reg\_asym\_atl\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-182.573 \pm 1.982$   $\chi^2/\text{NDF}$ : 3039.1/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $173.992 \pm 1.829$   $\chi^2/\text{NDF}$ : 4015.9/16

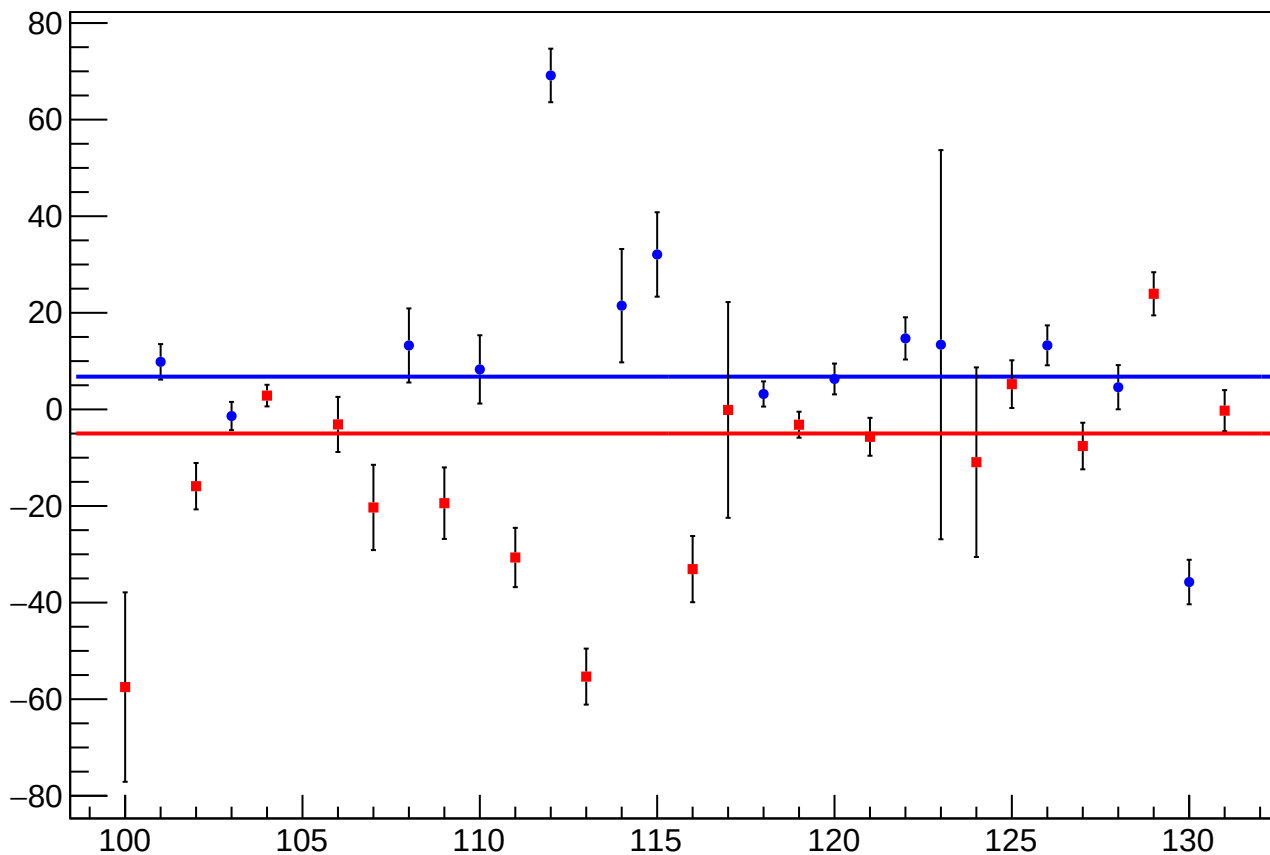
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-182.573 \pm 1.982$   $\chi^2/\text{NDF}$ : 3039.1/13

$9.973 \pm 1.344$   $\chi^2/\text{NDF}$ : 24538.2/30

$173.992 \pm 1.829$   $\chi^2/\text{NDF}$ : 4015.9/16

reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.783+/-1.169  $\chi^2/\text{NDF}$ : 238.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.985+/-1.131  $\chi^2/\text{NDF}$ : 189.5/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

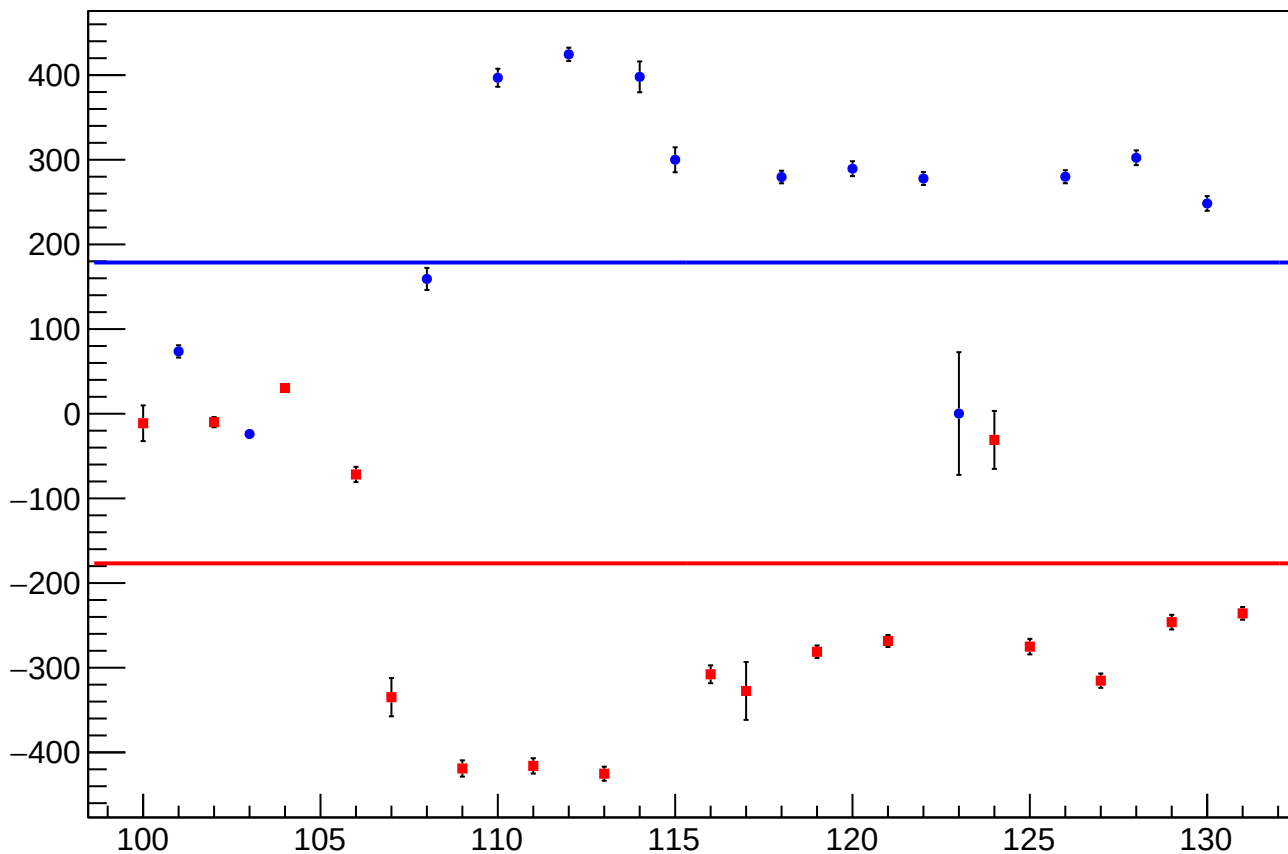
6.783+/-1.169  $\chi^2/\text{NDF}$ : 238.7/13

0.706+/-0.813  $\chi^2/\text{NDF}$ : 480.6/30

-4.985+/-1.131  $\chi^2/\text{NDF}$ : 189.5/16



reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 178.659+/-2.138  $\chi^2/\text{NDF}$ : 5638.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -176.743+/-1.997  $\chi^2/\text{NDF}$ : 7021.4/16

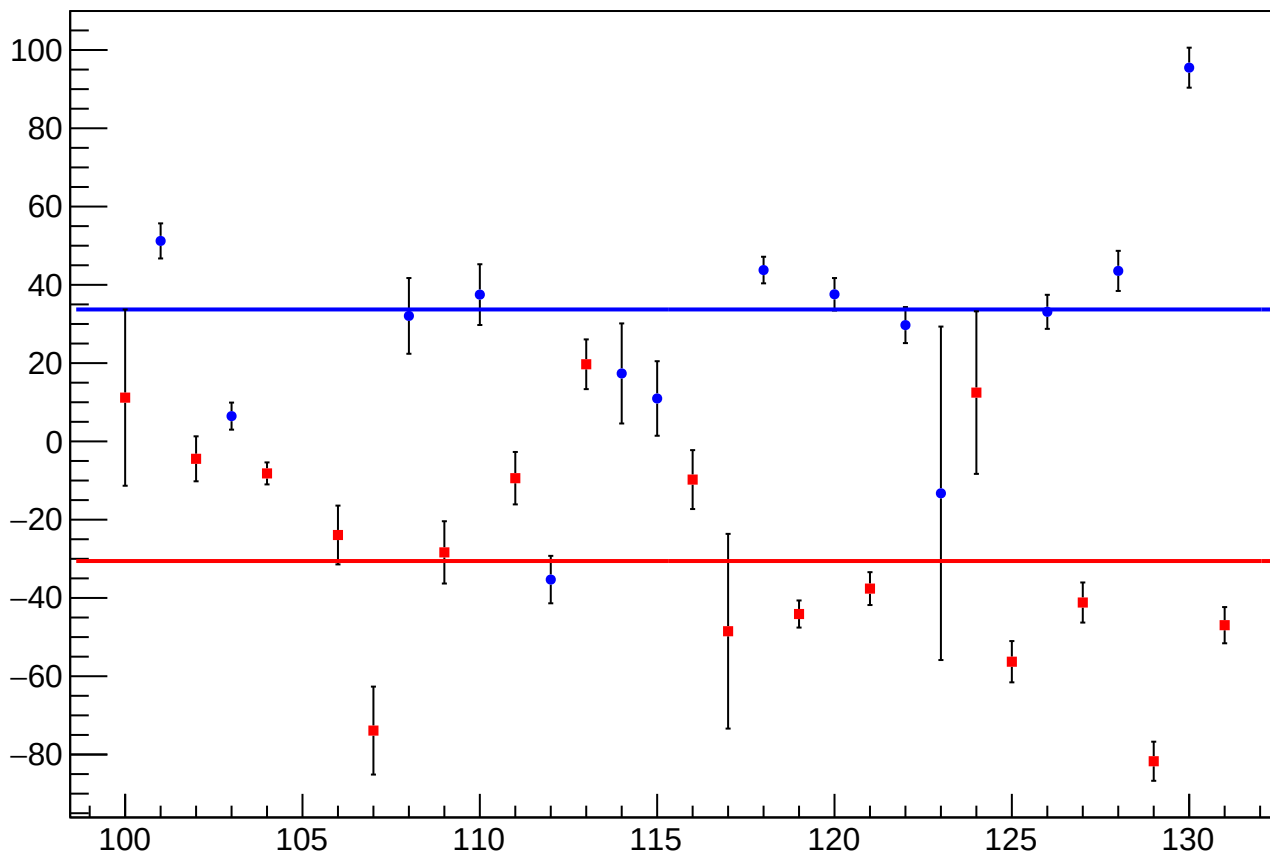
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

178.659+/-2.138  $\chi^2/\text{NDF}$ : 5638.5/13

-11.172+/-1.460  $\chi^2/\text{NDF}$ : 27413.3/30

-176.743+/-1.997  $\chi^2/\text{NDF}$ : 7021.4/16

reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 33.707+/-1.378  $\chi^2/\text{NDF}$ : 376.1/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -30.566+/-1.325  $\chi^2/\text{NDF}$ : 351.9/16

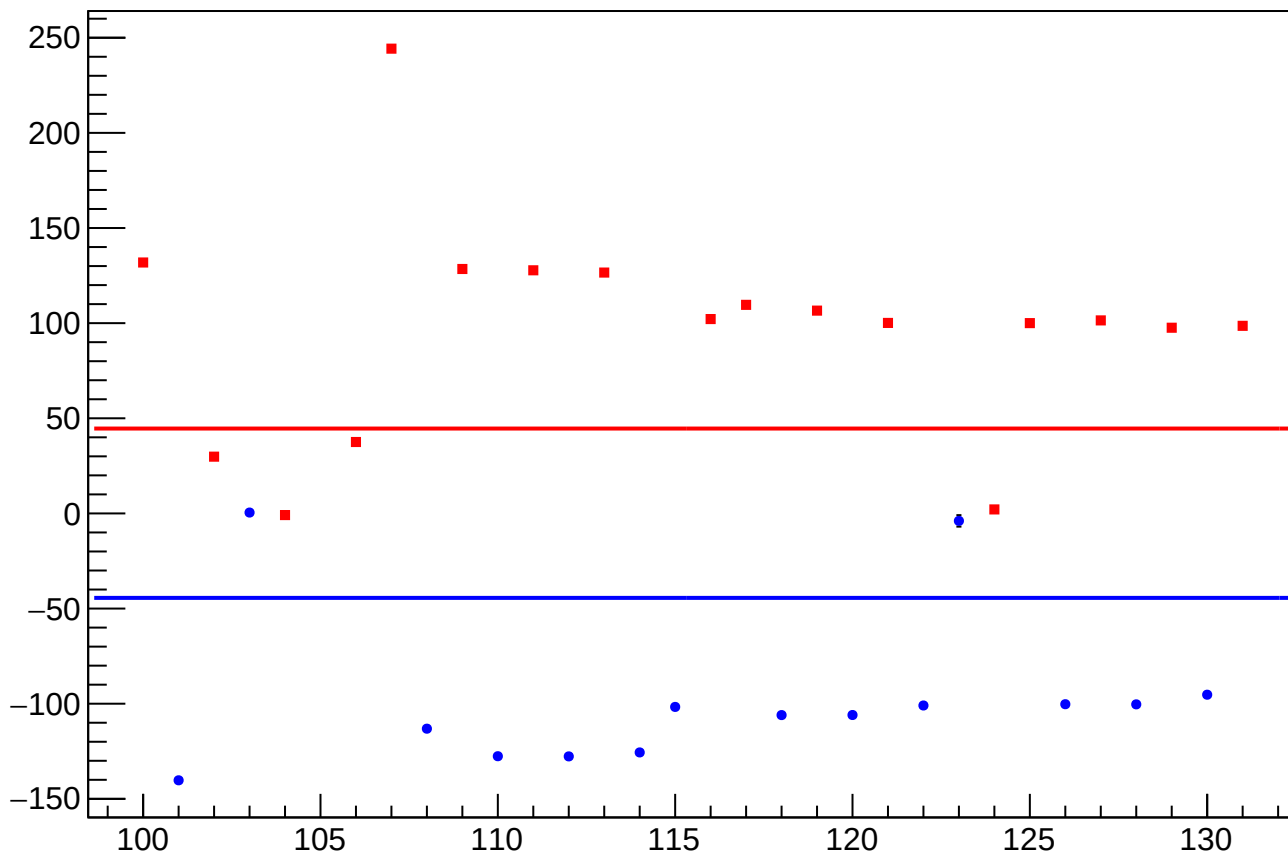
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

33.707+/-1.378  $\chi^2/\text{NDF}$ : 376.1/13

0.310+/-0.955  $\chi^2/\text{NDF}$ : 1859.0/30

-30.566+/-1.325  $\chi^2/\text{NDF}$ : 351.9/16

reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -44.385+/-0.066  $\chi^2/\text{NDF}$ : 727317.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 44.610+/-0.063  $\chi^2/\text{NDF}$ : 682251.1/16

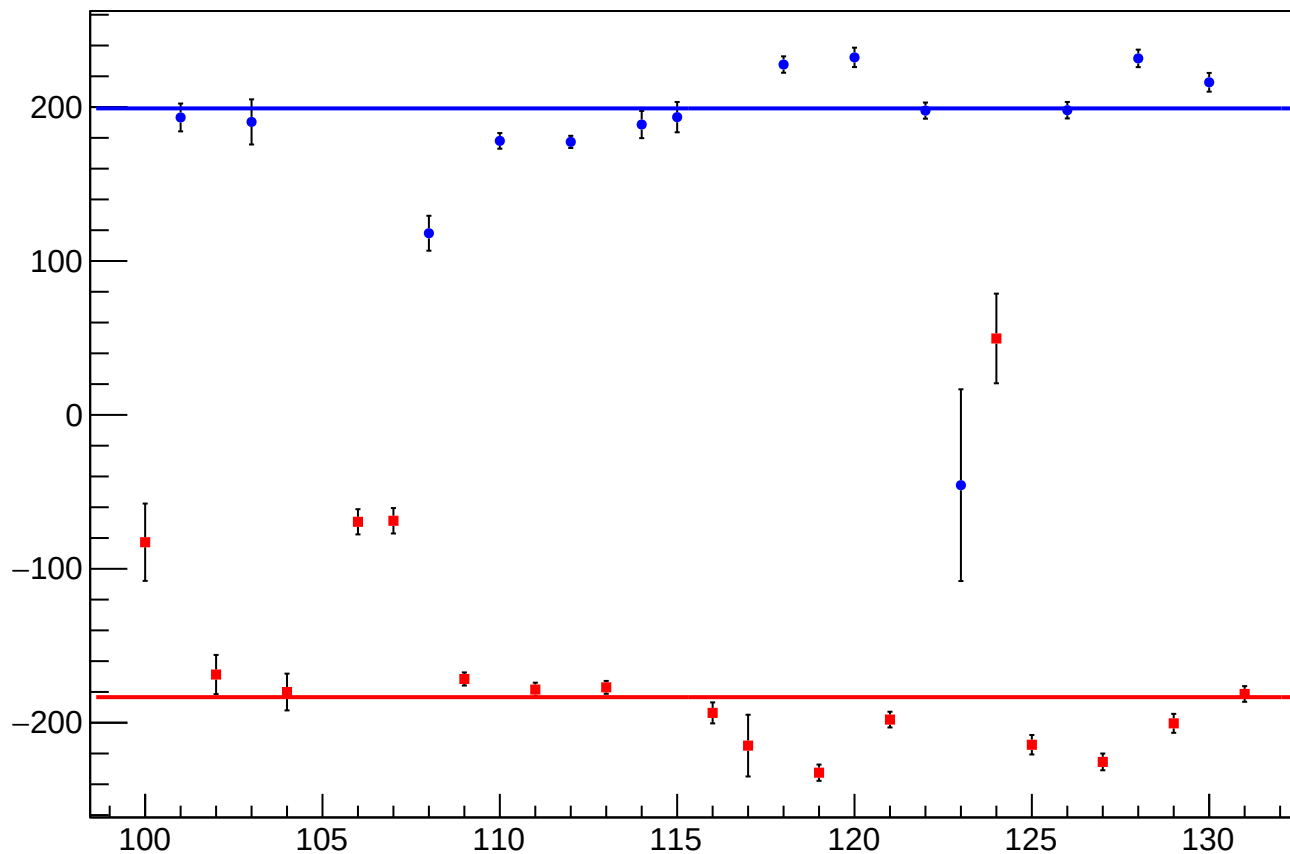
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-44.385+/-0.066  $\chi^2/\text{NDF}$ : 727317.4/13

2.175+/-0.046  $\chi^2/\text{NDF}$ : 2363117.1/30

44.610+/-0.063  $\chi^2/\text{NDF}$ : 682251.1/16

reg\_asym\_atl\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 199.150+/-1.715  $\chi^2/\text{NDF}$ : 213.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -183.387+/-1.525  $\chi^2/\text{NDF}$ : 669.9/16

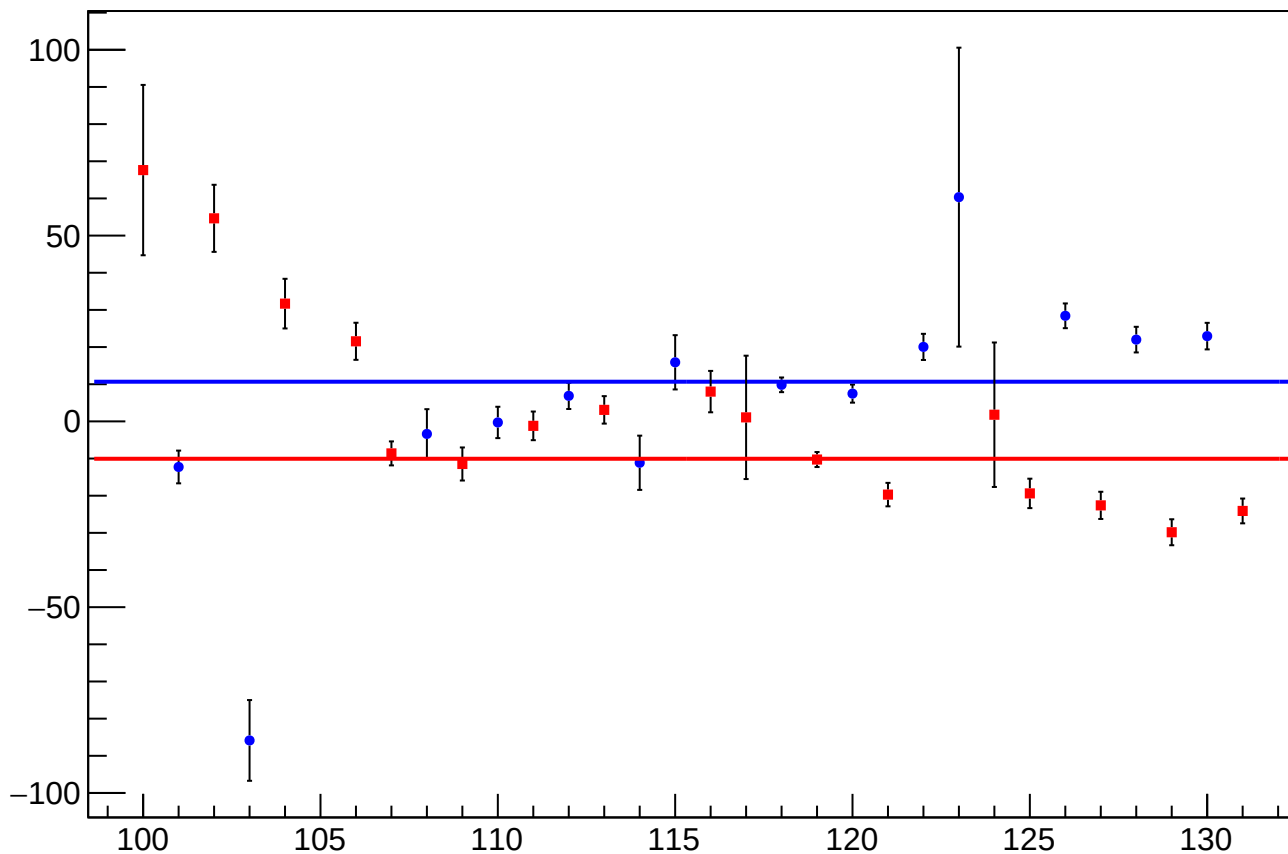
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

199.150+/-1.715  $\chi^2/\text{NDF}$ : 213.2/13

-14.449+/-1.140  $\chi^2/\text{NDF}$ : 28660.5/30

-183.387+/-1.525  $\chi^2/\text{NDF}$ : 669.9/16

reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.675+/-0.992  $\chi^2$ /NDF: 189.3/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -10.060+/-0.972  $\chi^2$ /NDF: 248.0/16

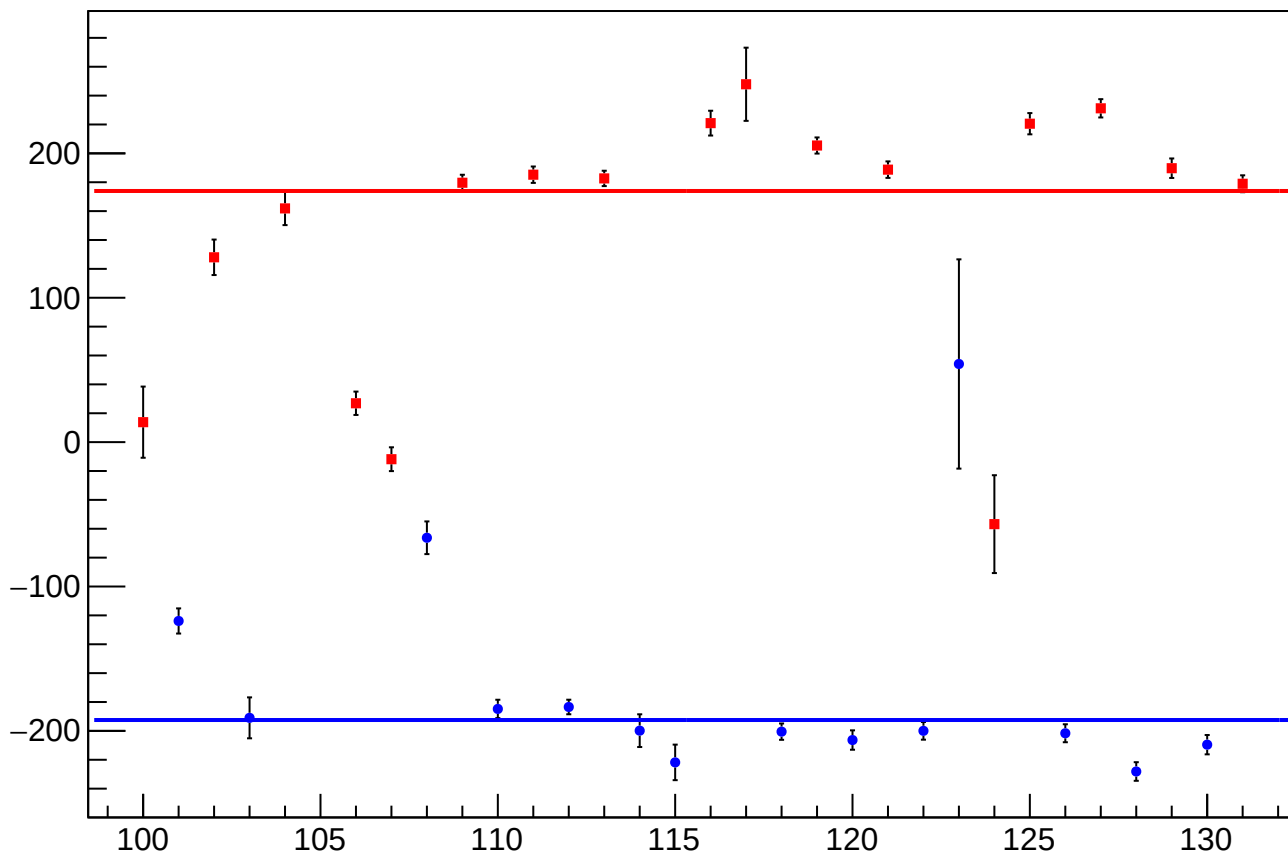
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

10.675+/-0.992  $\chi^2$ /NDF: 189.3/13

0.096+/-0.695  $\chi^2$ /NDF: 660.1/30

-10.060+/-0.972  $\chi^2$ /NDF: 248.0/16

reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-192.466 \pm 1.972$   $\chi^2/\text{NDF}$ : 255.8/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $173.942 \pm 1.773$   $\chi^2/\text{NDF}$ : 1154.2/16

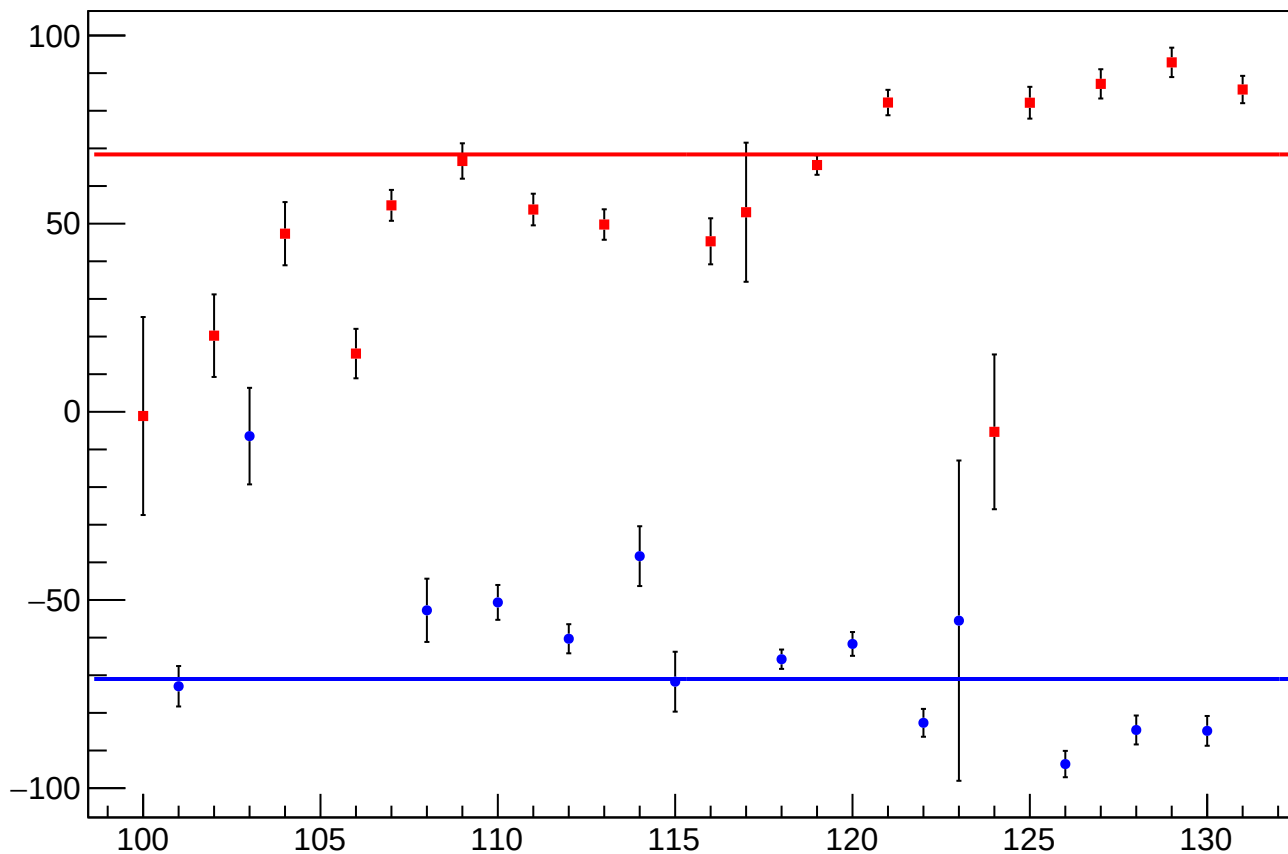
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-192.466 \pm 1.972$   $\chi^2/\text{NDF}$ : 255.8/13

$10.161 \pm 1.319$   $\chi^2/\text{NDF}$ : 20495.5/30

$173.942 \pm 1.773$   $\chi^2/\text{NDF}$ : 1154.2/16

reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -70.997 $\pm$ 1.164  $\chi^2$ /NDF: 163.1/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 68.396 $\pm$ 1.118  $\chi^2$ /NDF: 282.8/16

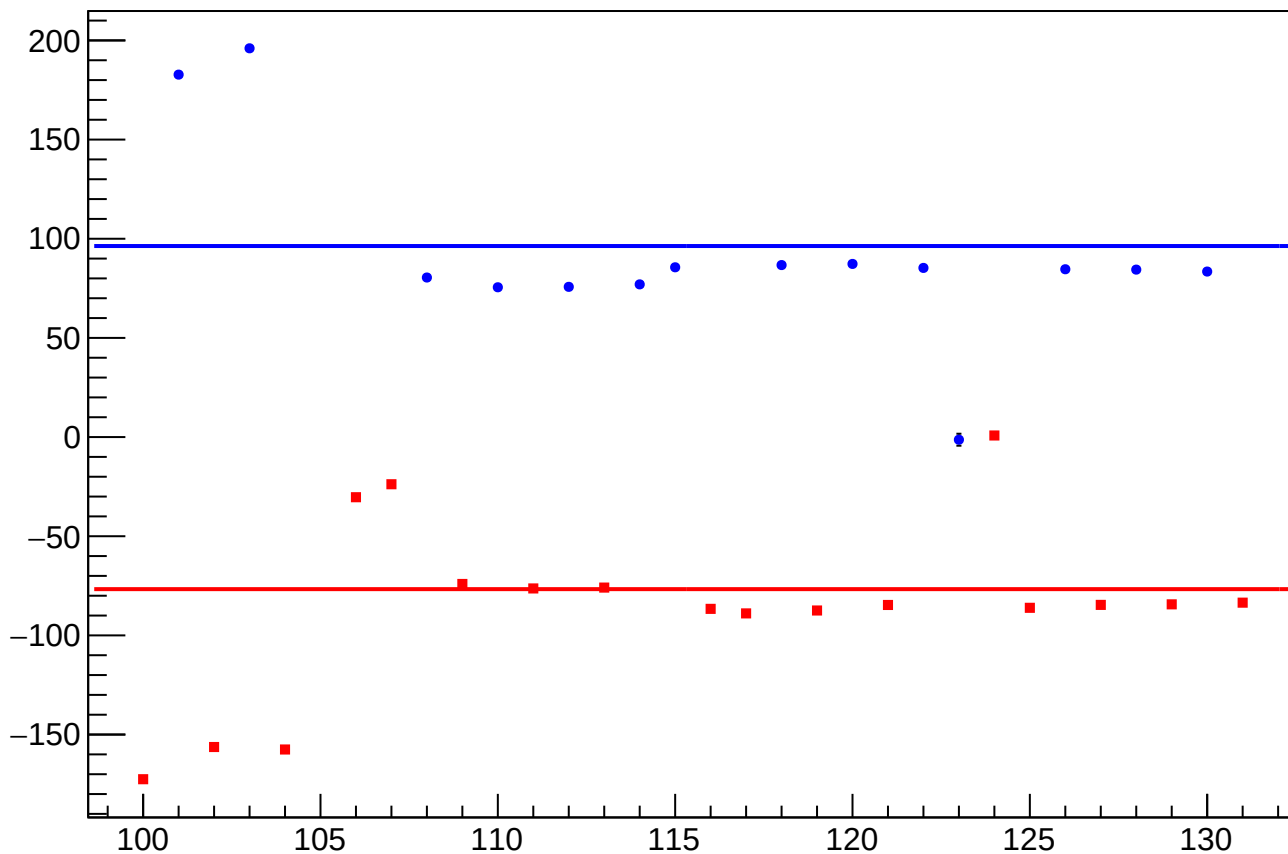
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-70.997 $\pm$ 1.164  $\chi^2$ /NDF: 163.1/13

1.545 $\pm$ 0.806  $\chi^2$ /NDF: 7905.2/30

68.396 $\pm$ 1.118  $\chi^2$ /NDF: 282.8/16

reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 96.326+/-0.080  $\chi^2/\text{NDF}$ : 202909.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -76.678+/-0.068  $\chi^2/\text{NDF}$ : 308063.0/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

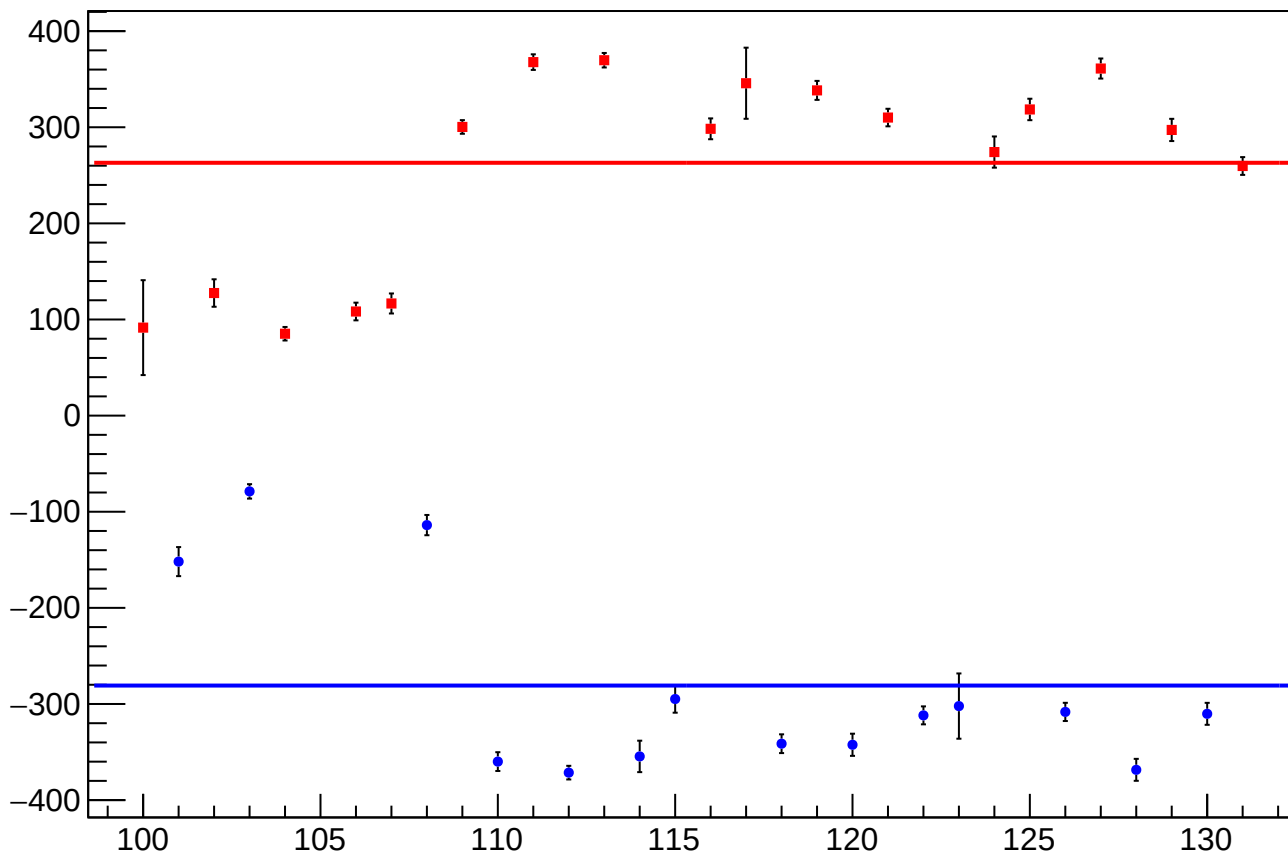
96.326+/-0.080  $\chi^2/\text{NDF}$ : 202909.6/13

-3.999+/-0.052  $\chi^2/\text{NDF}$ : 3195226.1/30

-76.678+/-0.068  $\chi^2/\text{NDF}$ : 308063.0/16



reg\_asym\_atr\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -280.833+/-2.807  $\chi^2/\text{NDF}$ : 1448.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 263.031+/-2.419  $\chi^2/\text{NDF}$ : 1838.0/16

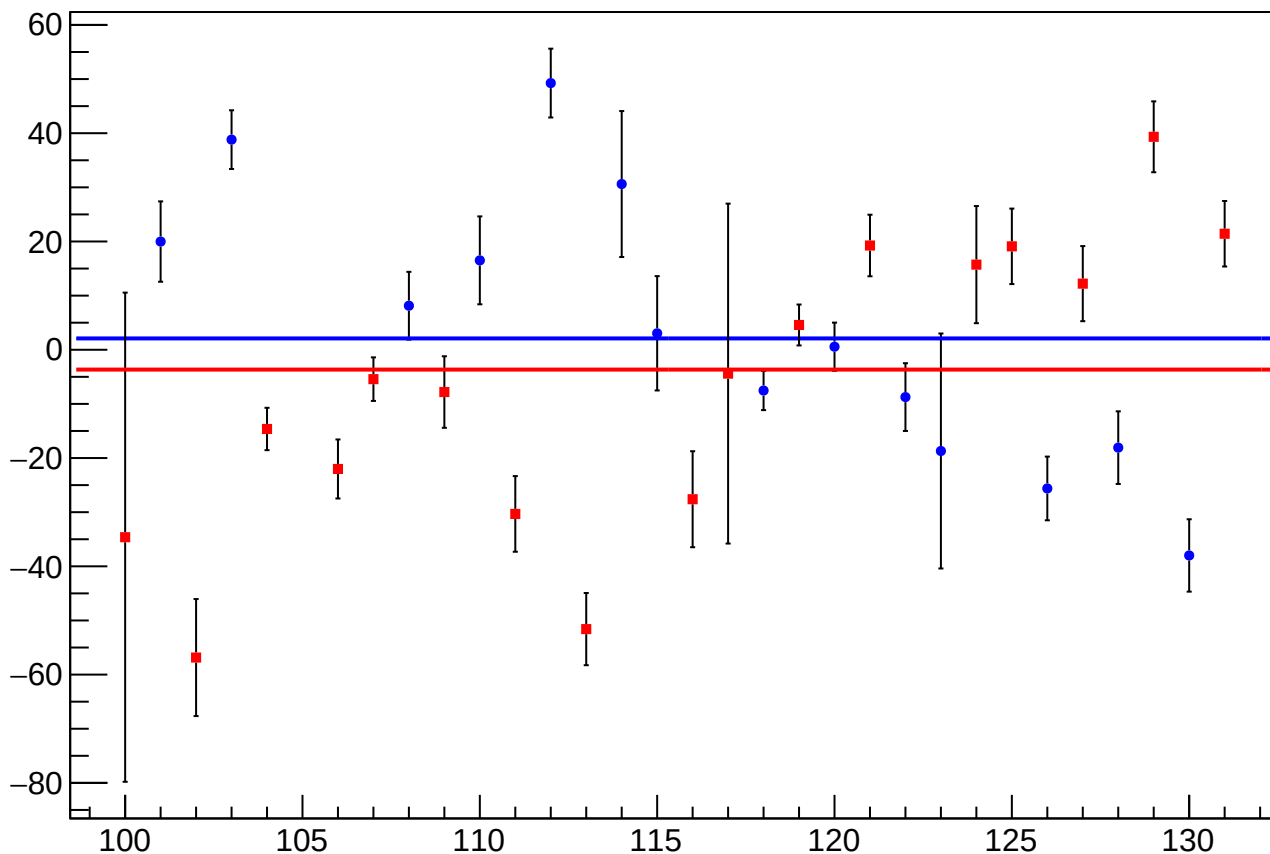
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-280.833+/-2.807  $\chi^2/\text{NDF}$ : 1448.9/13

31.243+/-1.832  $\chi^2/\text{NDF}$ : 24828.1/30

263.031+/-2.419  $\chi^2/\text{NDF}$ : 1838.0/16

reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.094+/-1.666  $\chi^2/\text{NDF}$ : 193.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.661+/-1.489  $\chi^2/\text{NDF}$ : 218.4/16

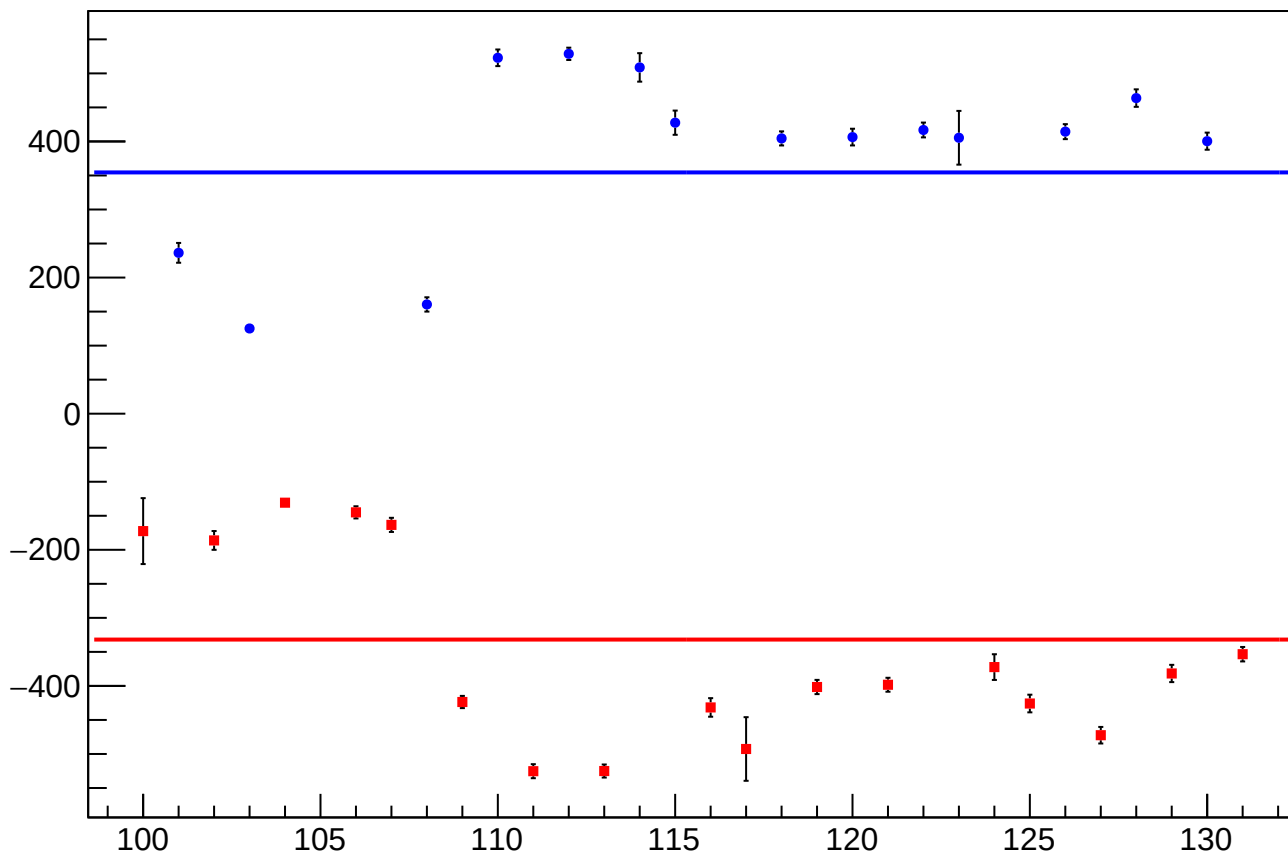
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.094+/-1.666  $\chi^2/\text{NDF}$ : 193.6/13

-1.105+/-1.110  $\chi^2/\text{NDF}$ : 418.7/30

-3.661+/-1.489  $\chi^2/\text{NDF}$ : 218.4/16

reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 354.486+/-3.119  $\chi^2/\text{NDF}$ : 2226.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -331.900+/-2.704  $\chi^2/\text{NDF}$ : 2917.7/16

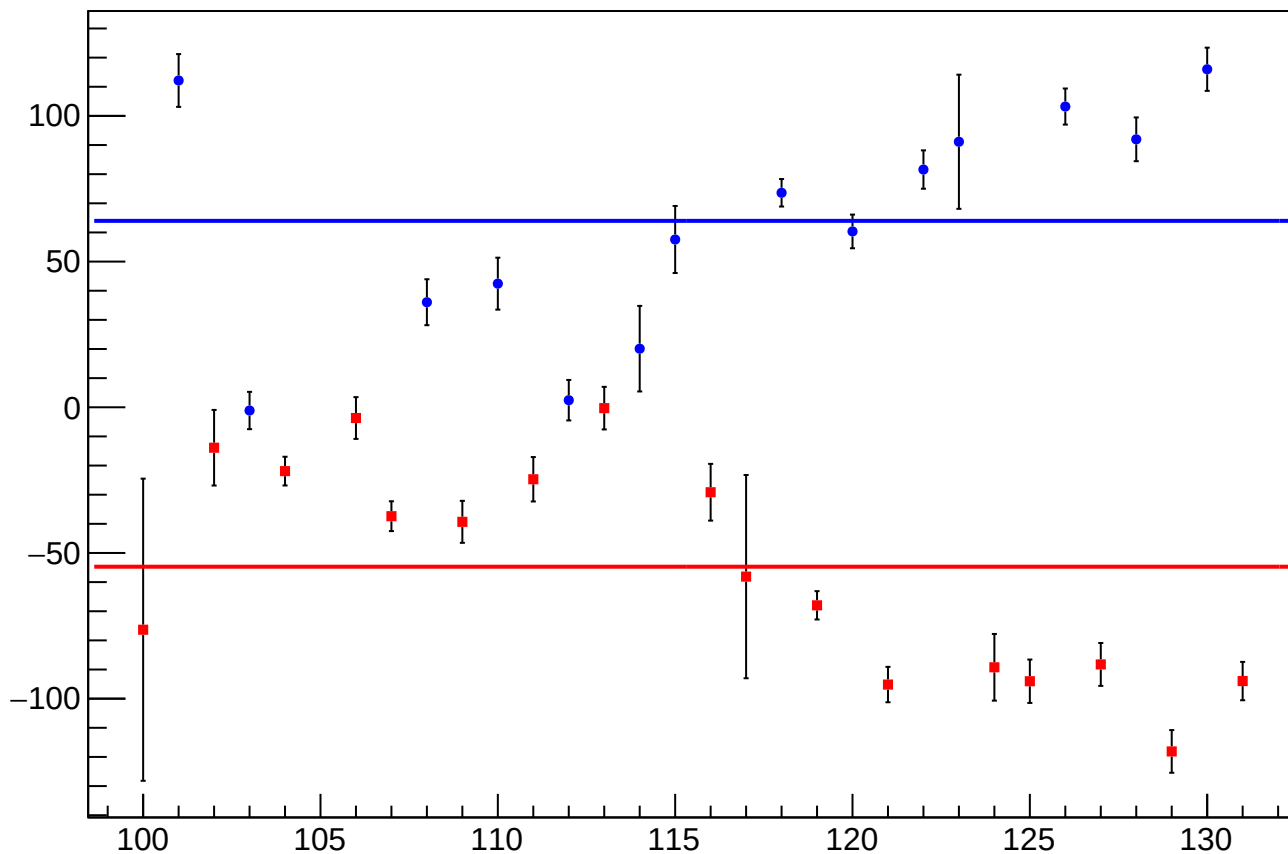
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

354.486+/-3.119  $\chi^2/\text{NDF}$ : 2226.2/13

-37.428+/-2.043  $\chi^2/\text{NDF}$ : 32788.7/30

-331.900+/-2.704  $\chi^2/\text{NDF}$ : 2917.7/16

reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 63.975+/-1.961  $\chi^2$ /NDF: 354.1/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -54.713+/-1.749  $\chi^2$ /NDF: 418.9/16

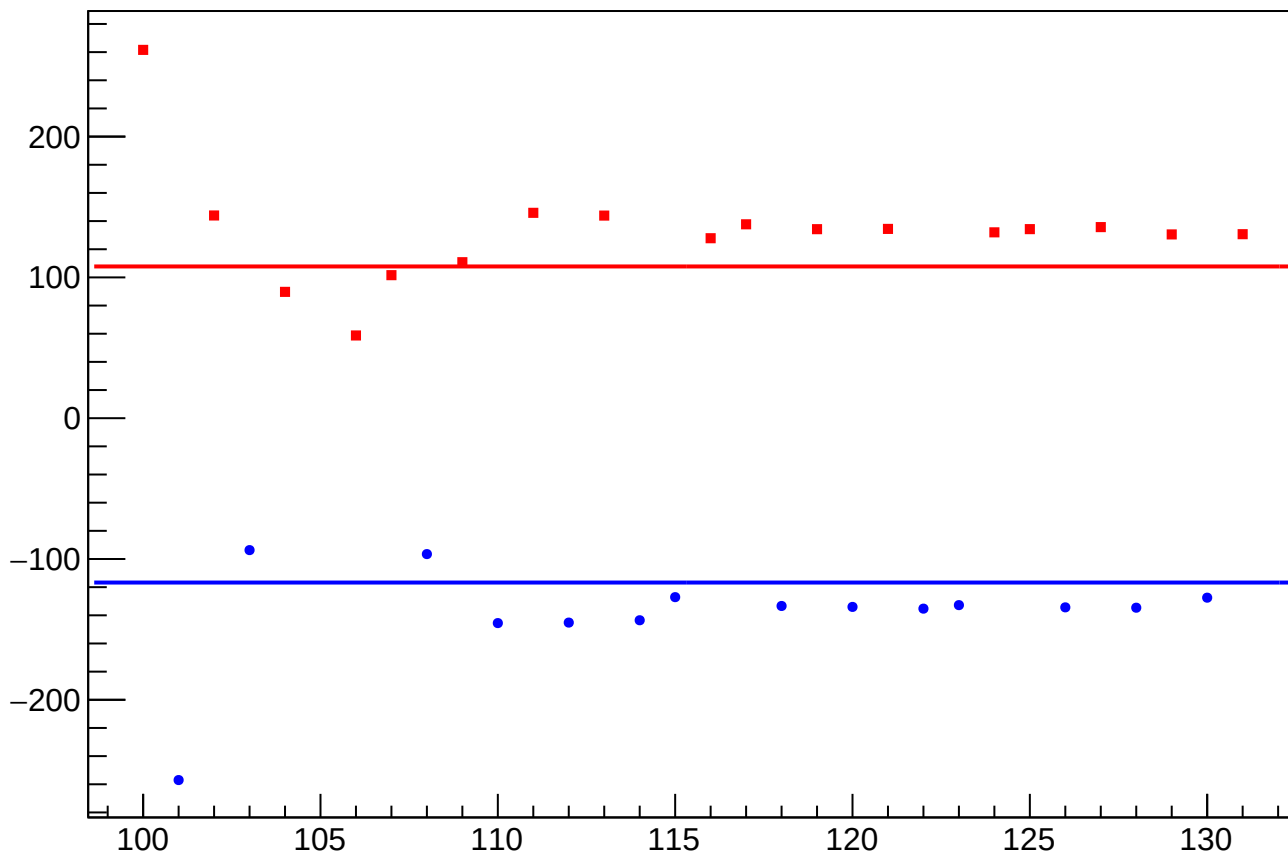
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

63.975+/-1.961  $\chi^2$ /NDF: 354.1/13

-2.139+/-1.305  $\chi^2$ /NDF: 2812.9/30

-54.713+/-1.749  $\chi^2$ /NDF: 418.9/16

reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -116.721+/-0.103  $\chi^2/\text{NDF}$ : 113879.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 107.776+/-0.090  $\chi^2/\text{NDF}$ : 103787.3/16

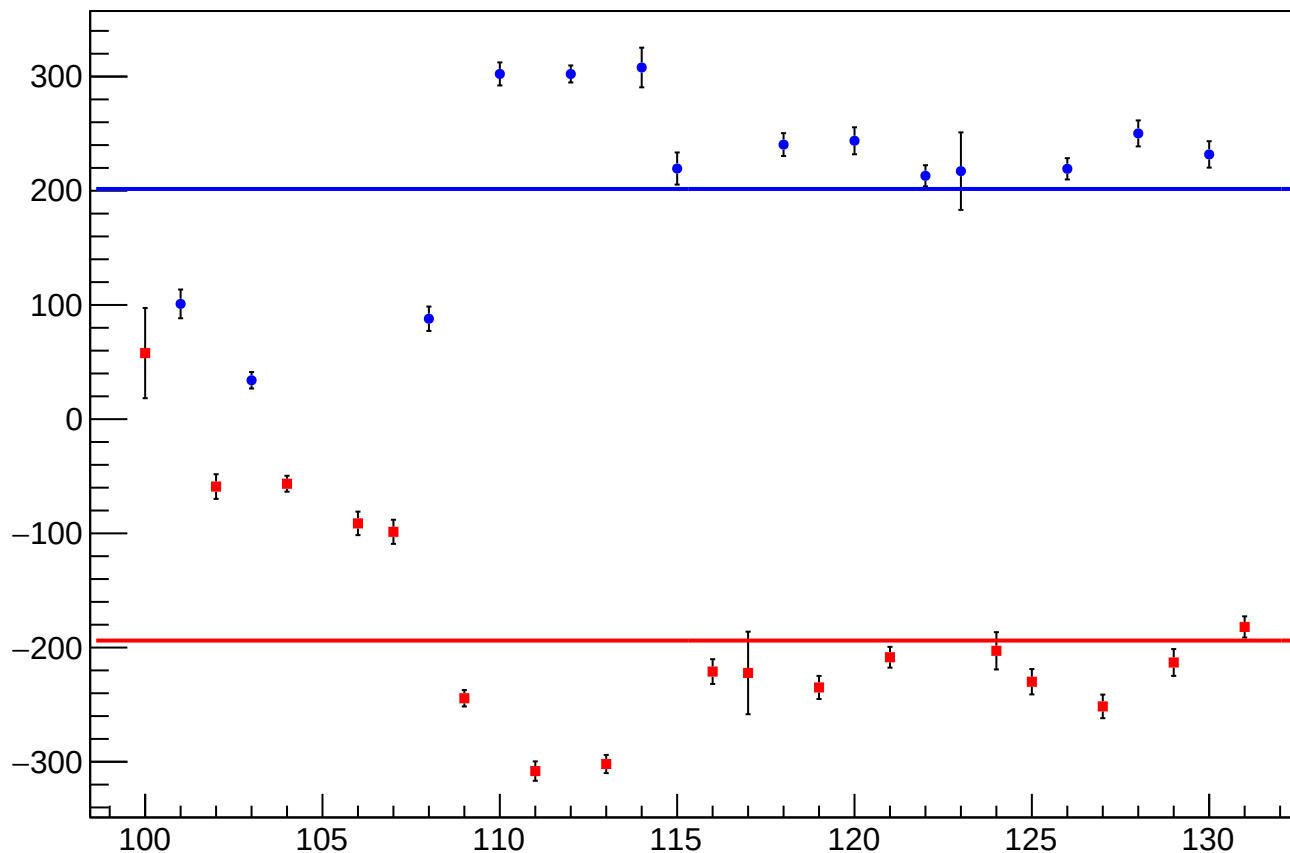
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-116.721+/-0.103  $\chi^2/\text{NDF}$ : 113879.7/13

9.935+/-0.068  $\chi^2/\text{NDF}$ : 2922591.1/30

107.776+/-0.090  $\chi^2/\text{NDF}$ : 103787.3/16

reg\_asym\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 201.575 $\pm$ 2.805  $\chi^2$ /NDF: 1102.1/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -193.861 $\pm$ 2.437  $\chi^2$ /NDF: 1251.1/16

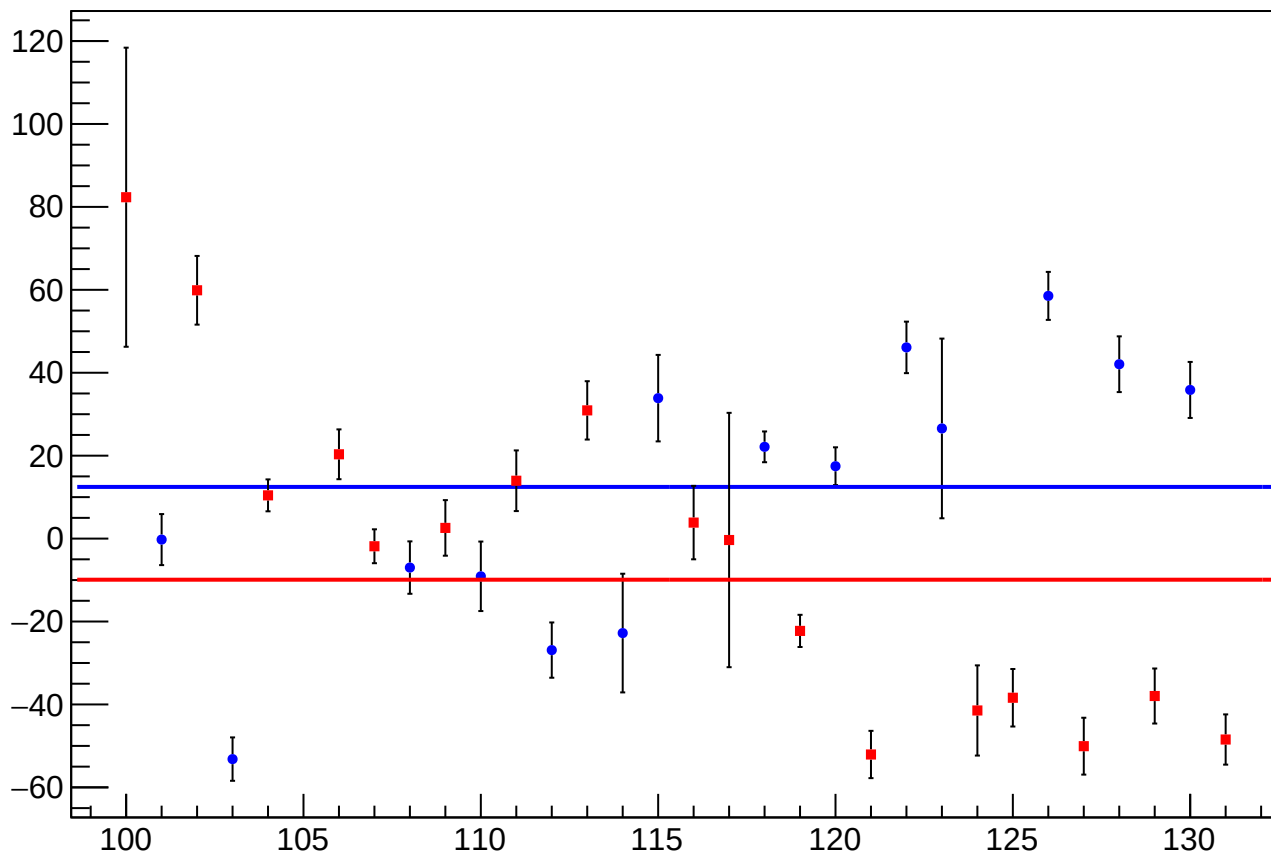
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

201.575 $\pm$ 2.805  $\chi^2$ /NDF: 1102.1/13

-23.753 $\pm$ 1.840  $\chi^2$ /NDF: 13676.2/30

-193.861 $\pm$ 2.437  $\chi^2$ /NDF: 1251.1/16

reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 12.464+/-1.663  $\chi^2/\text{NDF}$ : 355.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.915+/-1.503  $\chi^2/\text{NDF}$ : 367.7/16

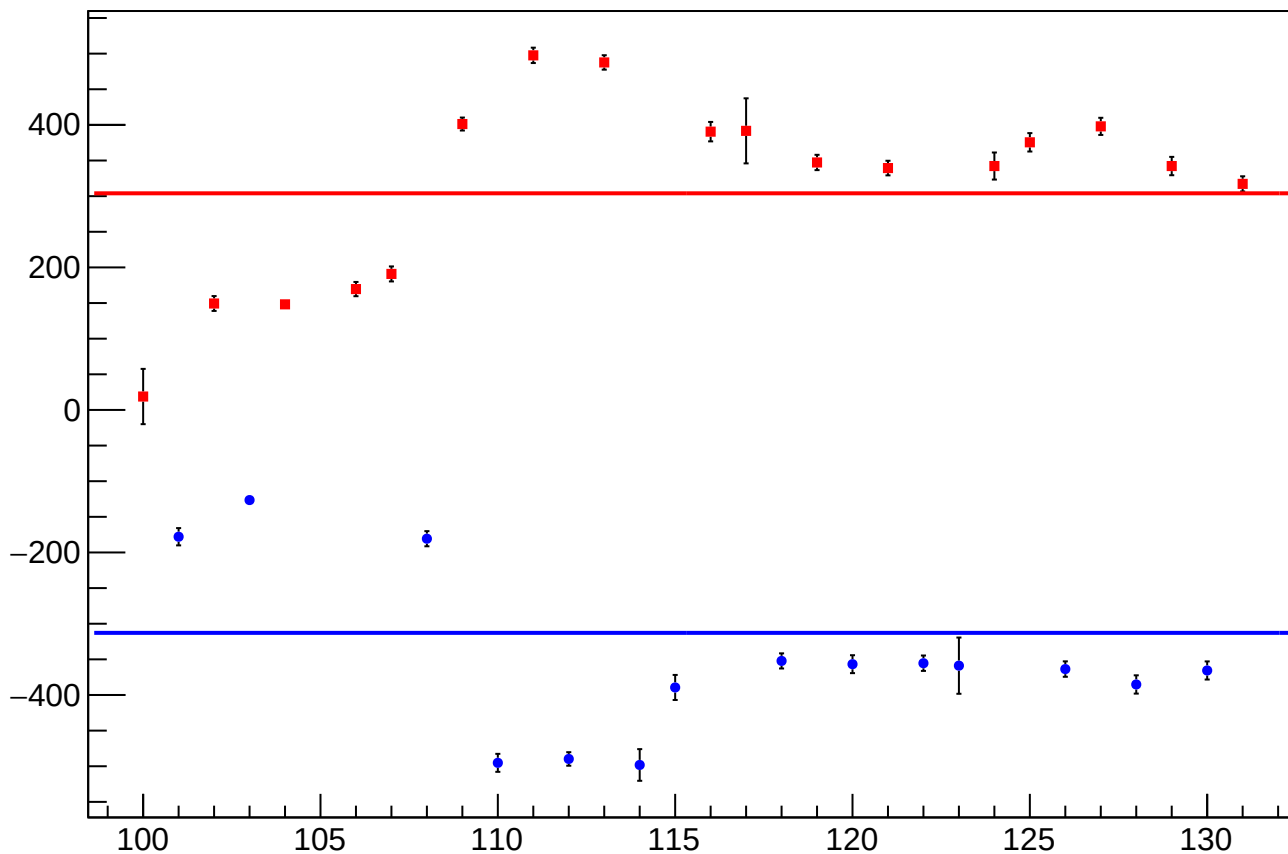
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

12.464+/-1.663  $\chi^2/\text{NDF}$ : 355.4/13

0.141+/-1.115  $\chi^2/\text{NDF}$ : 822.7/30

-9.915+/-1.503  $\chi^2/\text{NDF}$ : 367.7/16

reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -312.819+/-3.098  $\chi^2$ /NDF: 1758.1/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 303.985+/-2.714  $\chi^2$ /NDF: 2045.0/16

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

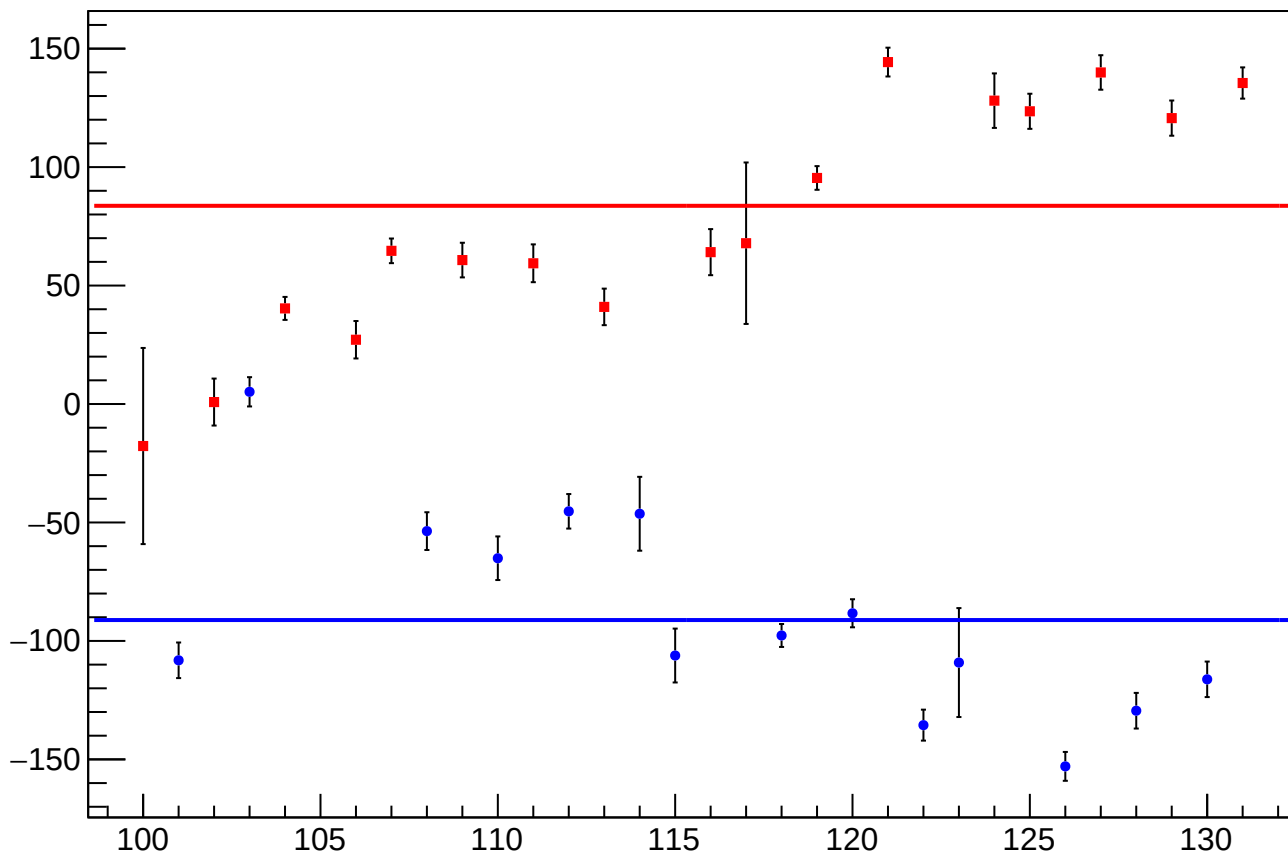
-312.819+/-3.098  $\chi^2$ /NDF: 1758.1/13

36.136+/-2.041  $\chi^2$ /NDF: 26235.7/30

303.985+/-2.714  $\chi^2$ /NDF: 2045.0/16



reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -91.185+/-1.957  $\chi^2/\text{NDF}$ : 516.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 83.664+/-1.763  $\chi^2/\text{NDF}$ : 569.3/16

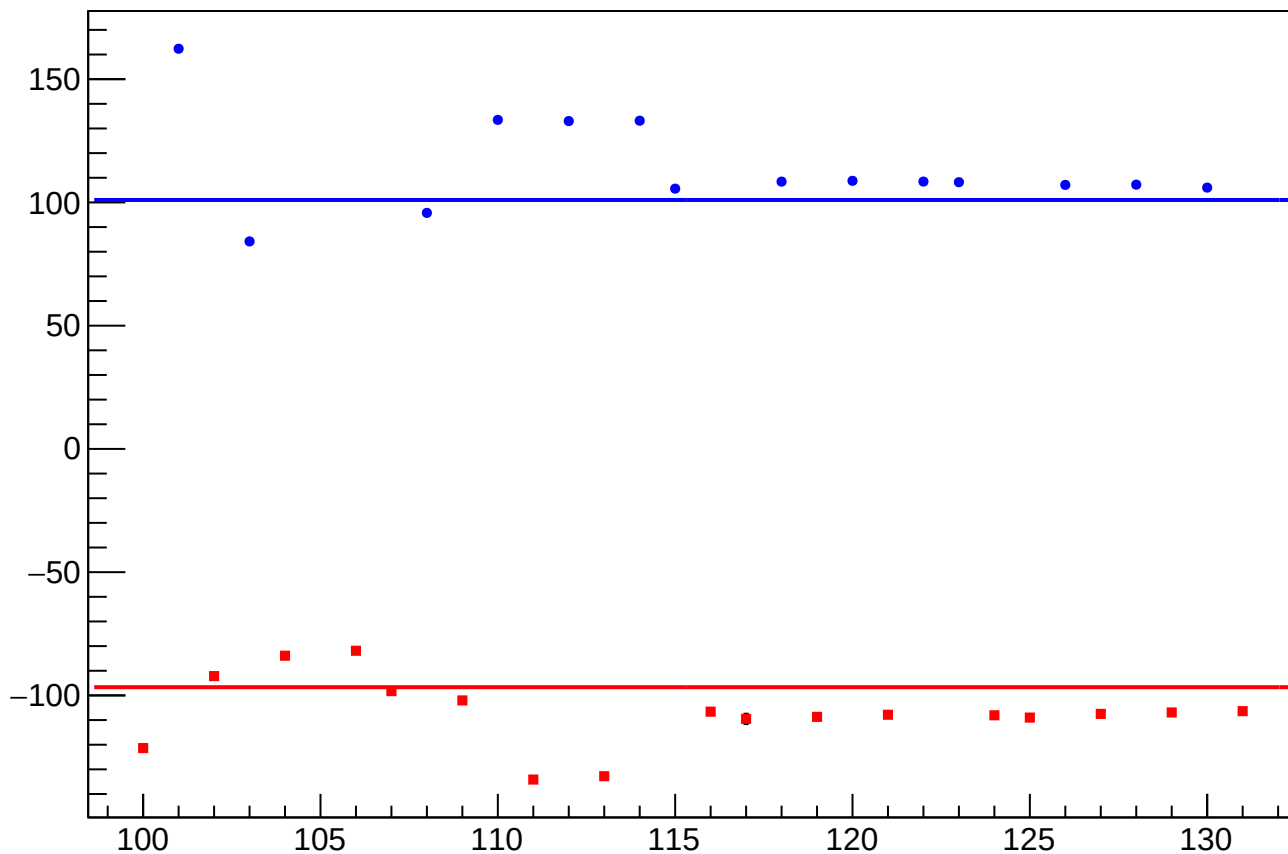
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-91.185+/-1.957  $\chi^2/\text{NDF}$ : 516.6/13

5.350+/-1.310  $\chi^2/\text{NDF}$ : 5492.3/30

83.664+/-1.763  $\chi^2/\text{NDF}$ : 569.3/16

reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 100.992 $\pm$ 0.101  $\chi^2$ /NDF: 42327.3/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -96.670 $\pm$ 0.089  $\chi^2$ /NDF: 24595.1/16

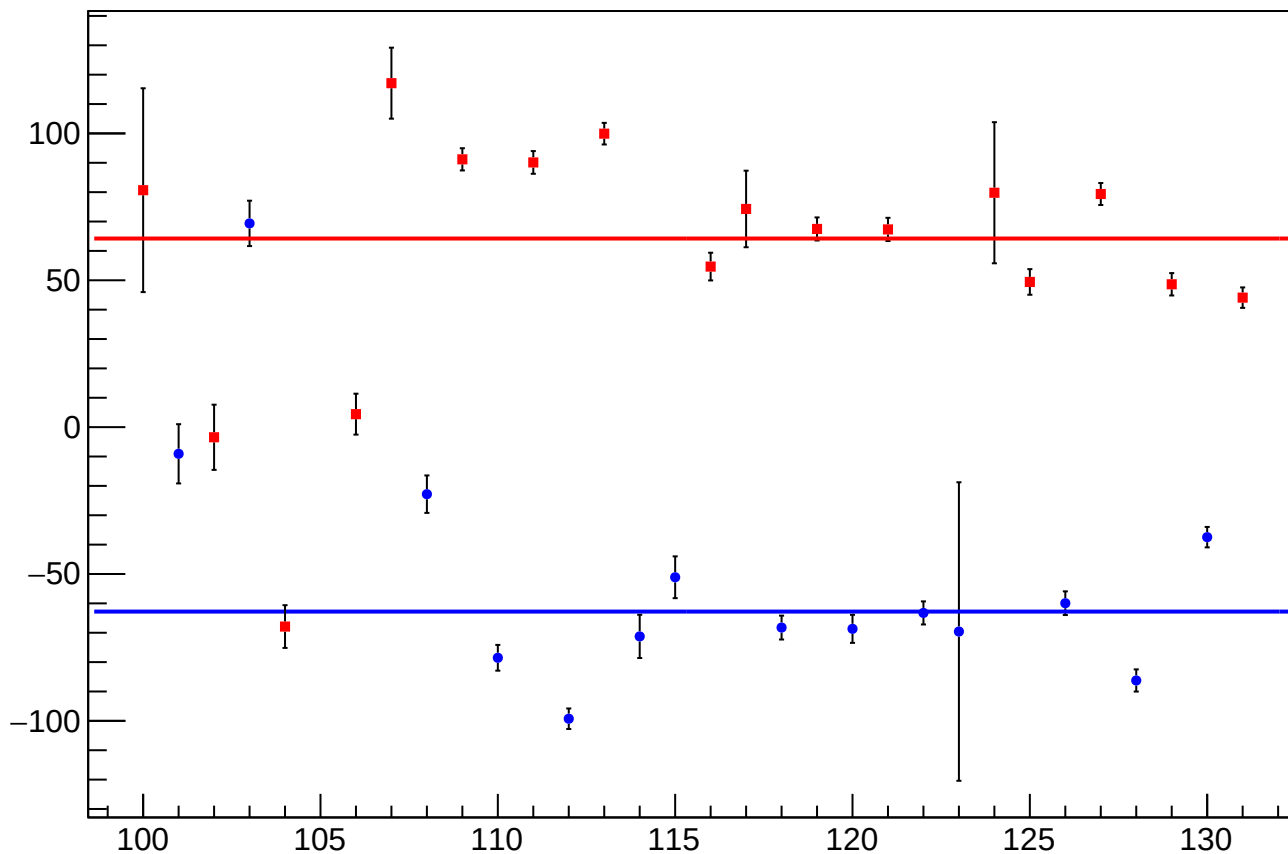
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

100.992 $\pm$ 0.101  $\chi^2$ /NDF: 42327.3/13

-9.998 $\pm$ 0.067  $\chi^2$ /NDF: 2236832.4/30

-96.670 $\pm$ 0.089  $\chi^2$ /NDF: 24595.1/16

reg\_asym\_at1\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -62.795 $\pm$ 1.283  $\chi^2$ /NDF: 581.8/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 64.214 $\pm$ 1.176  $\chi^2$ /NDF: 734.8/16

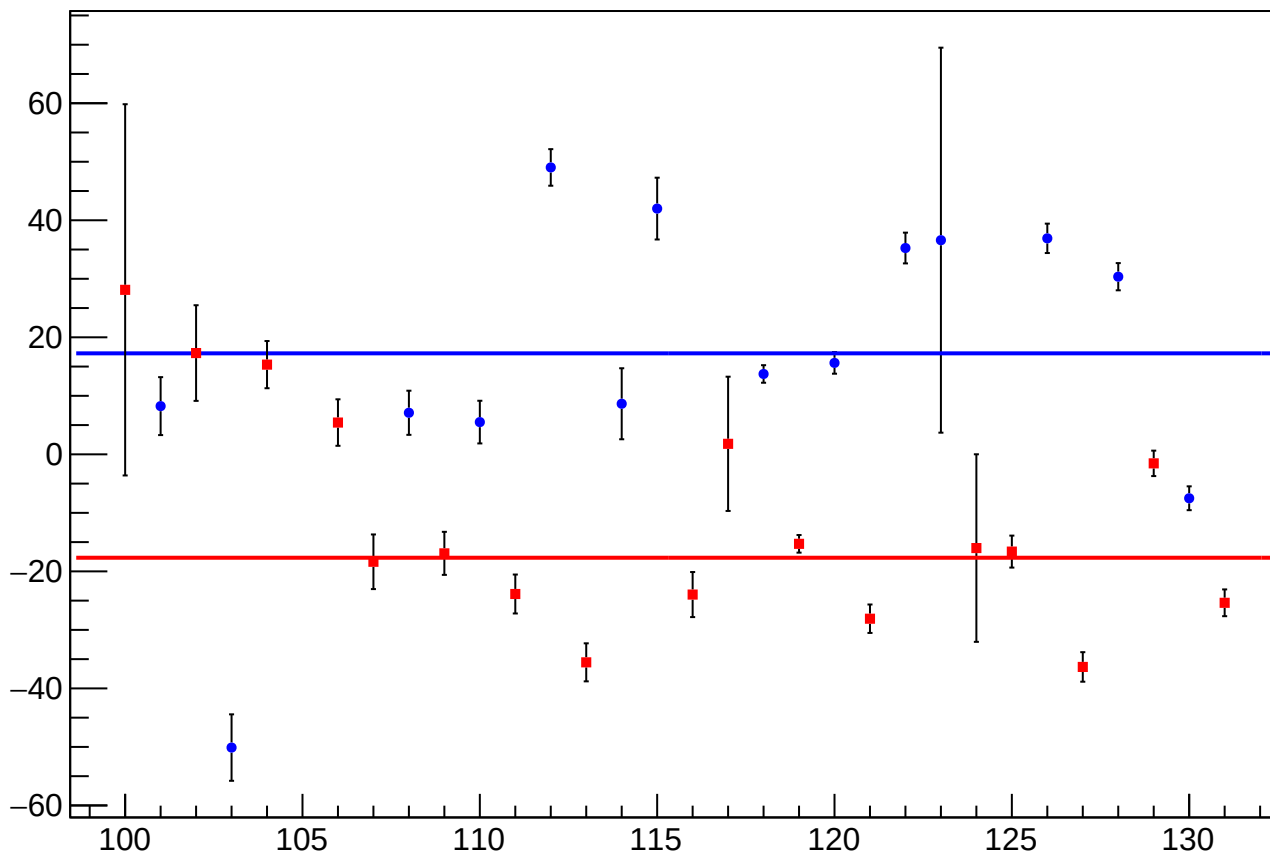
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-62.795 $\pm$ 1.283  $\chi^2$ /NDF: 581.8/13

6.250 $\pm$ 0.867  $\chi^2$ /NDF: 6640.6/30

64.214 $\pm$ 1.176  $\chi^2$ /NDF: 734.8/16

reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 17.259+/-0.735  $\chi^2/\text{NDF}$ : 583.3/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -17.670+/-0.739  $\chi^2/\text{NDF}$ : 302.6/16

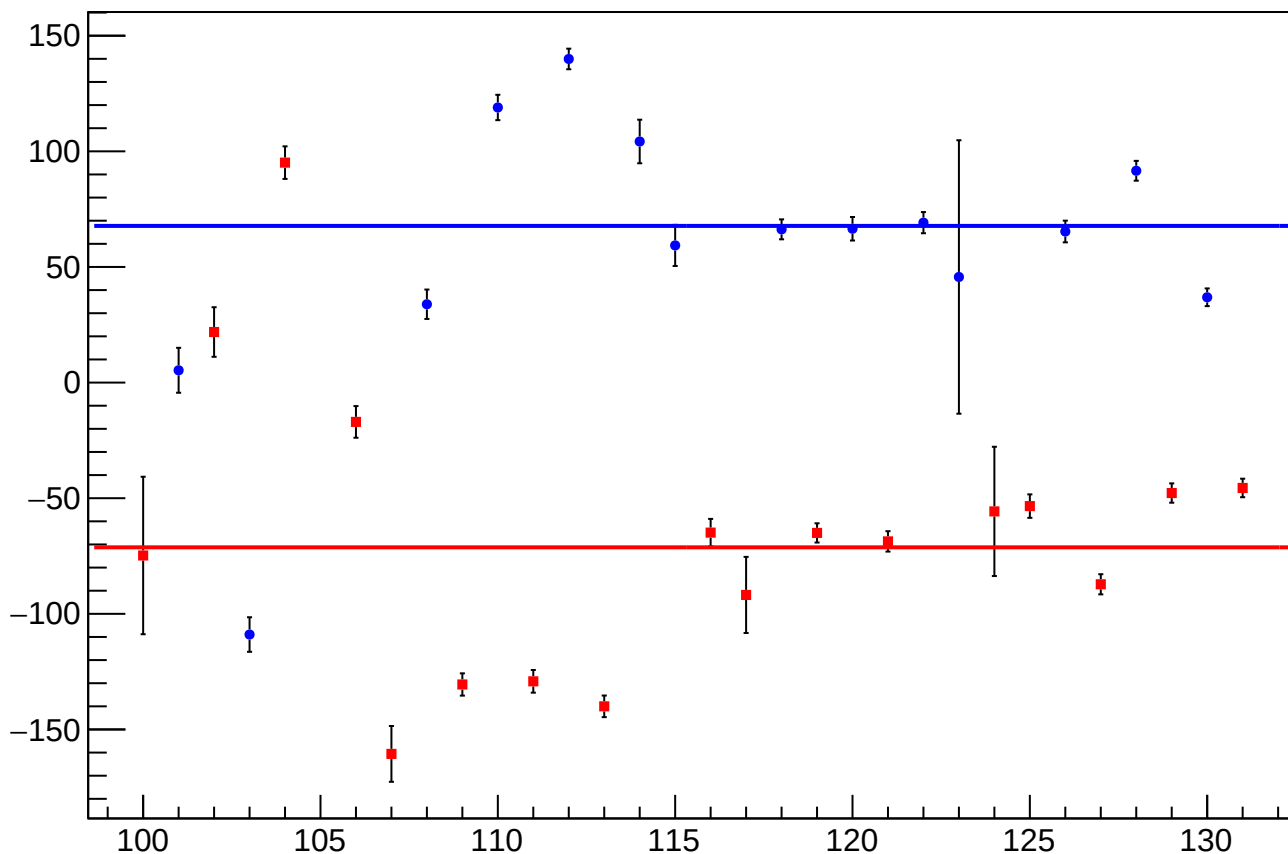
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

17.259+/-0.735  $\chi^2/\text{NDF}$ : 583.3/13

-0.103+/-0.521  $\chi^2/\text{NDF}$ : 2008.3/30

-17.670+/-0.739  $\chi^2/\text{NDF}$ : 302.6/16

reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 67.753+/-1.459  $\chi^2/\text{NDF}$ : 1092.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -71.242+/-1.358  $\chi^2/\text{NDF}$ : 1363.5/16

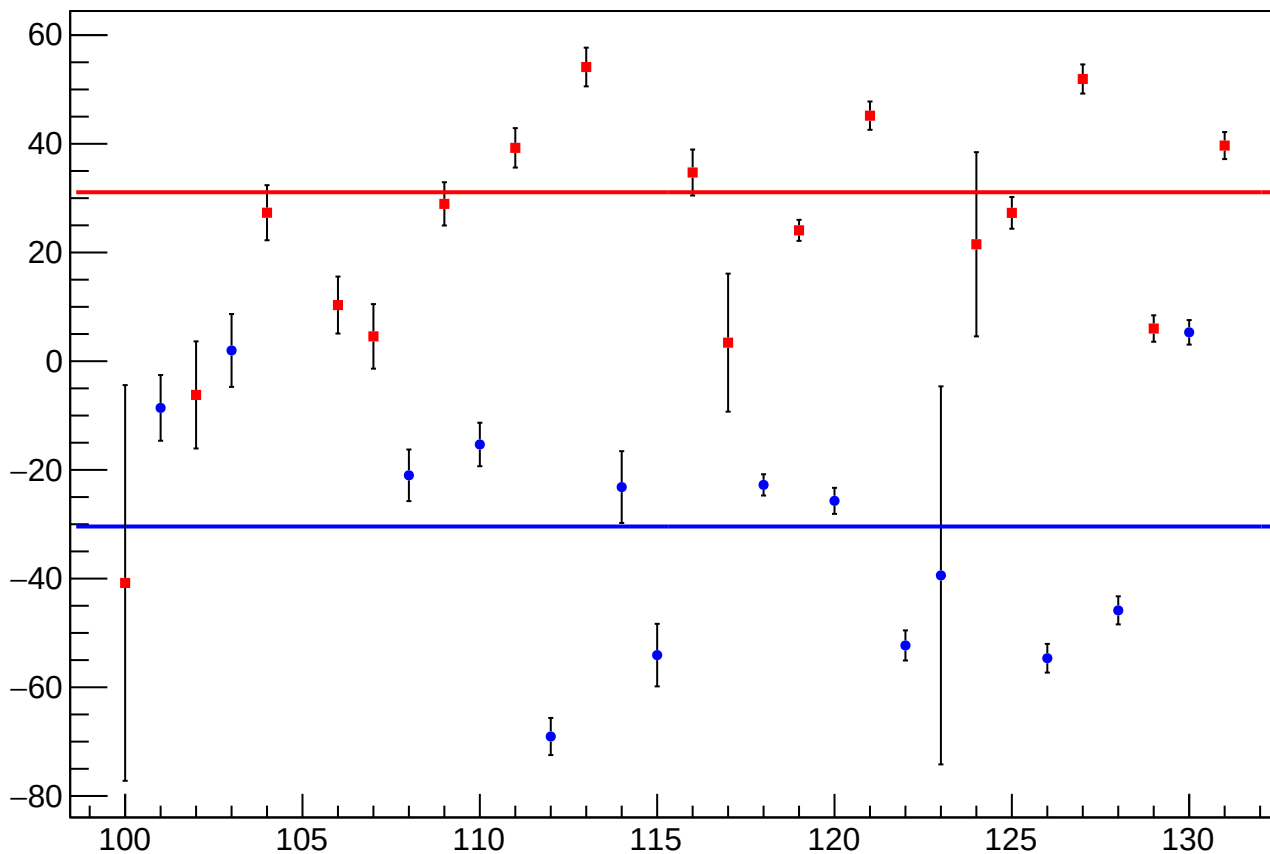
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

67.753+/-1.459  $\chi^2/\text{NDF}$ : 1092.2/13

-6.738+/-0.994  $\chi^2/\text{NDF}$ : 7317.6/30

-71.242+/-1.358  $\chi^2/\text{NDF}$ : 1363.5/16

reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -30.416+/-0.860  $\chi^2/\text{NDF}$ : 652.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 31.088+/-0.845  $\chi^2/\text{NDF}$ : 330.4/16

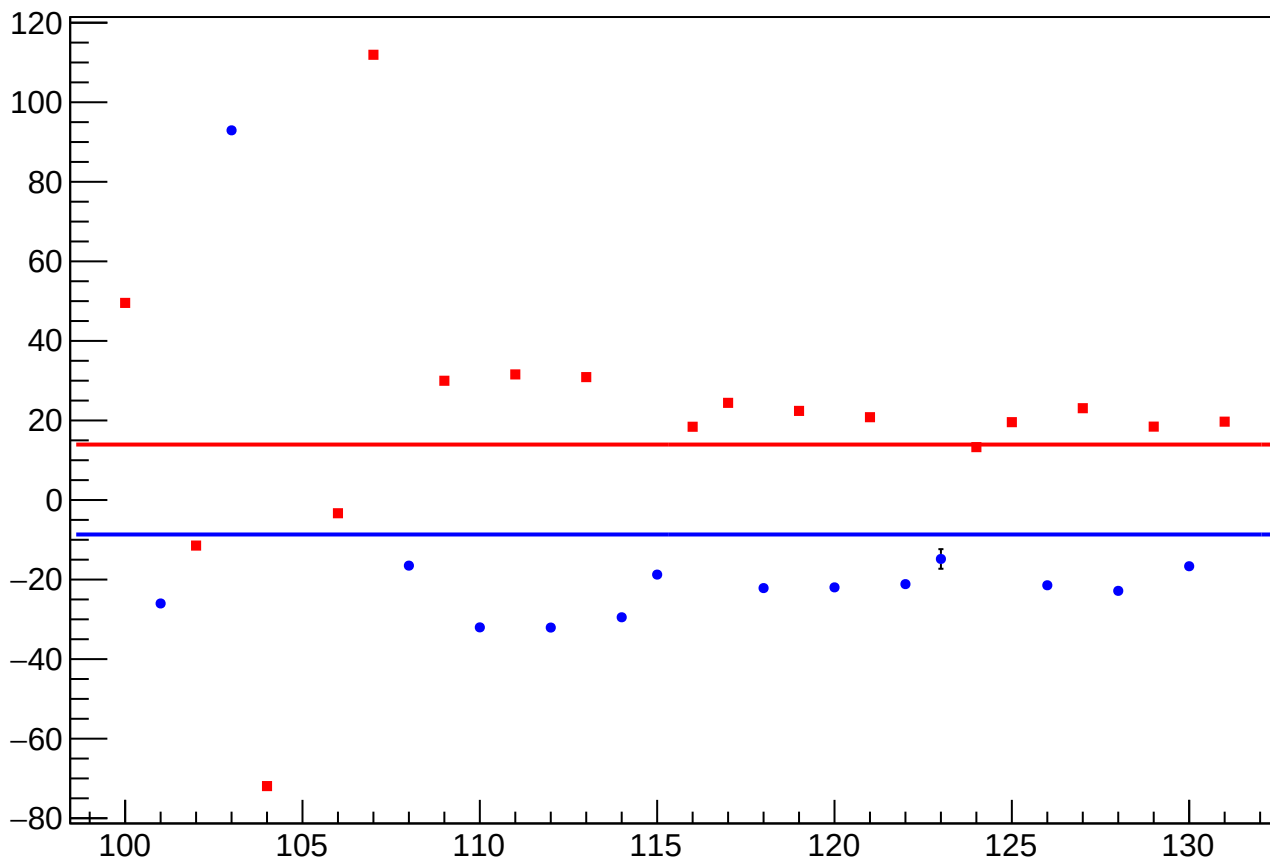
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-30.416+/-0.860  $\chi^2/\text{NDF}$ : 652.8/13

0.881+/-0.603  $\chi^2/\text{NDF}$ : 3585.6/30

31.088+/-0.845  $\chi^2/\text{NDF}$ : 330.4/16

reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -8.667+/-0.057  $\chi^2/\text{NDF}$ : 422624.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.943+/-0.054  $\chi^2/\text{NDF}$ : 403517.6/16

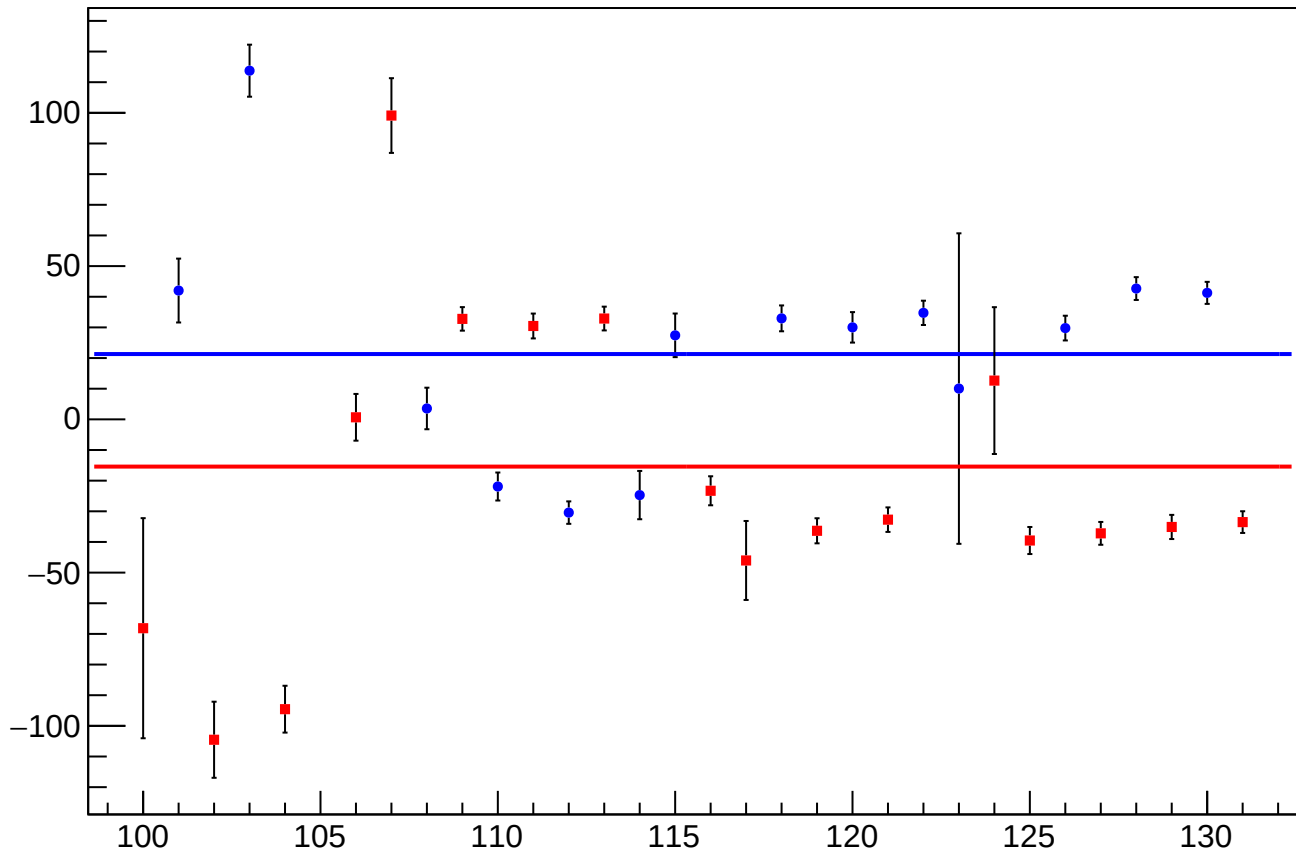
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-8.667+/-0.057  $\chi^2/\text{NDF}$ : 422624.5/13

3.129+/-0.039  $\chi^2/\text{NDF}$ : 908925.3/30

13.943+/-0.054  $\chi^2/\text{NDF}$ : 403517.6/16

reg\_asym\_at1\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 21.305+/-1.319  $\chi^2/\text{NDF}$ : 543.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -15.412+/-1.207  $\chi^2/\text{NDF}$ : 864.5/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

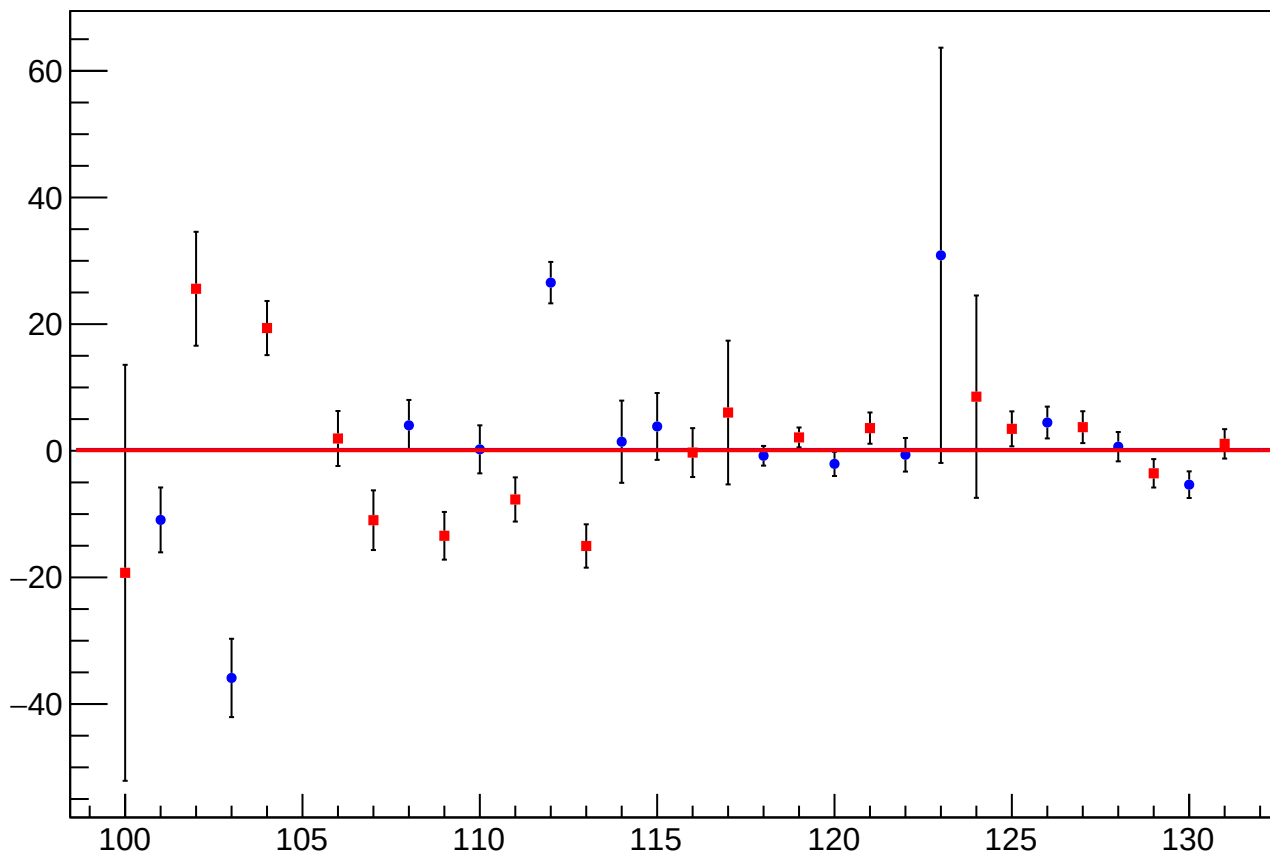
21.305+/-1.319  $\chi^2/\text{NDF}$ : 543.9/13

1.331+/-0.891  $\chi^2/\text{NDF}$ : 1830.1/30

-15.412+/-1.207  $\chi^2/\text{NDF}$ : 864.5/16



reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.131+/-0.756  $\chi^2/\text{NDF}$ : 117.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.087+/-0.761  $\chi^2/\text{NDF}$ : 82.4/16

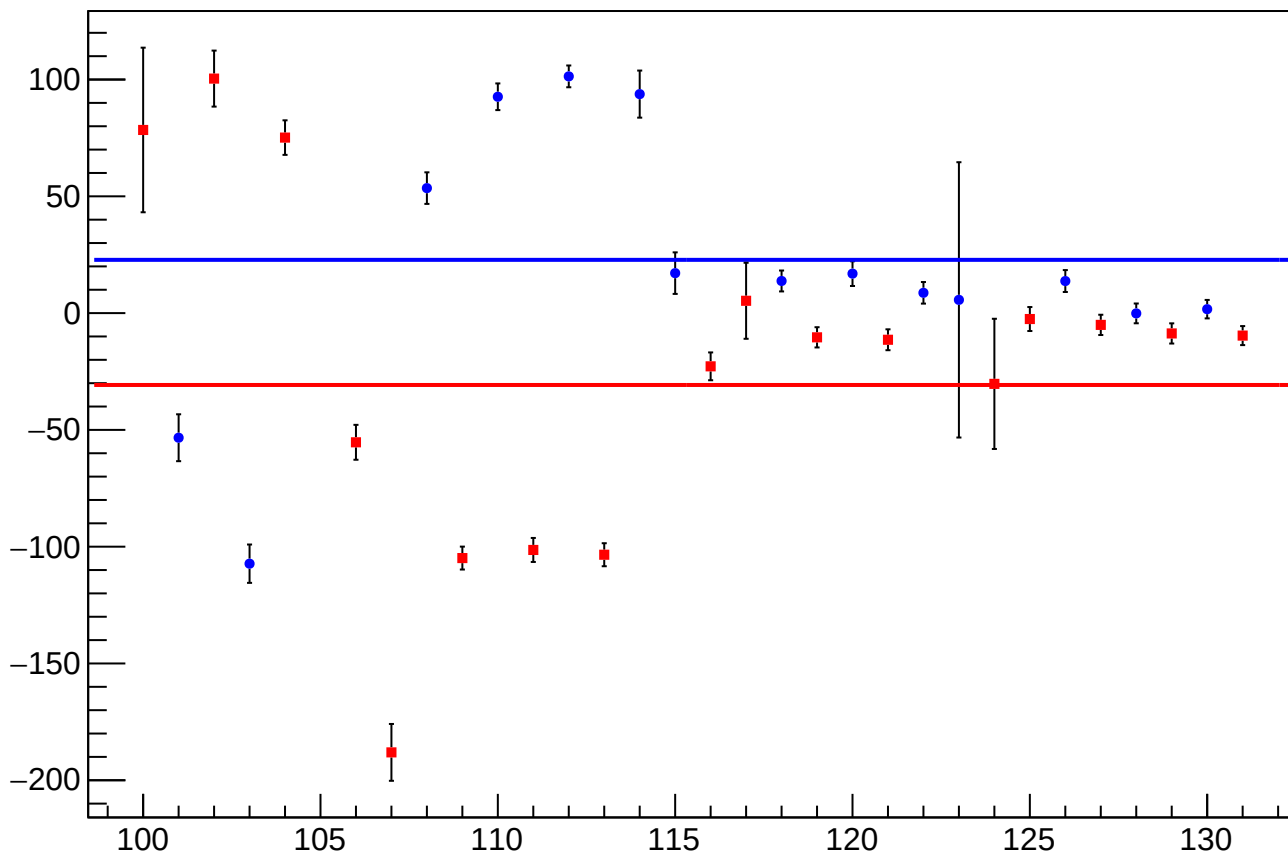
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.131+/-0.756  $\chi^2/\text{NDF}$ : 117.6/13

0.110+/-0.537  $\chi^2/\text{NDF}$ : 200.1/30

0.087+/-0.761  $\chi^2/\text{NDF}$ : 82.4/16

reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 22.801+/-1.501  $\chi^2$ /NDF: 888.9/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -30.768+/-1.396  $\chi^2$ /NDF: 1313.0/16

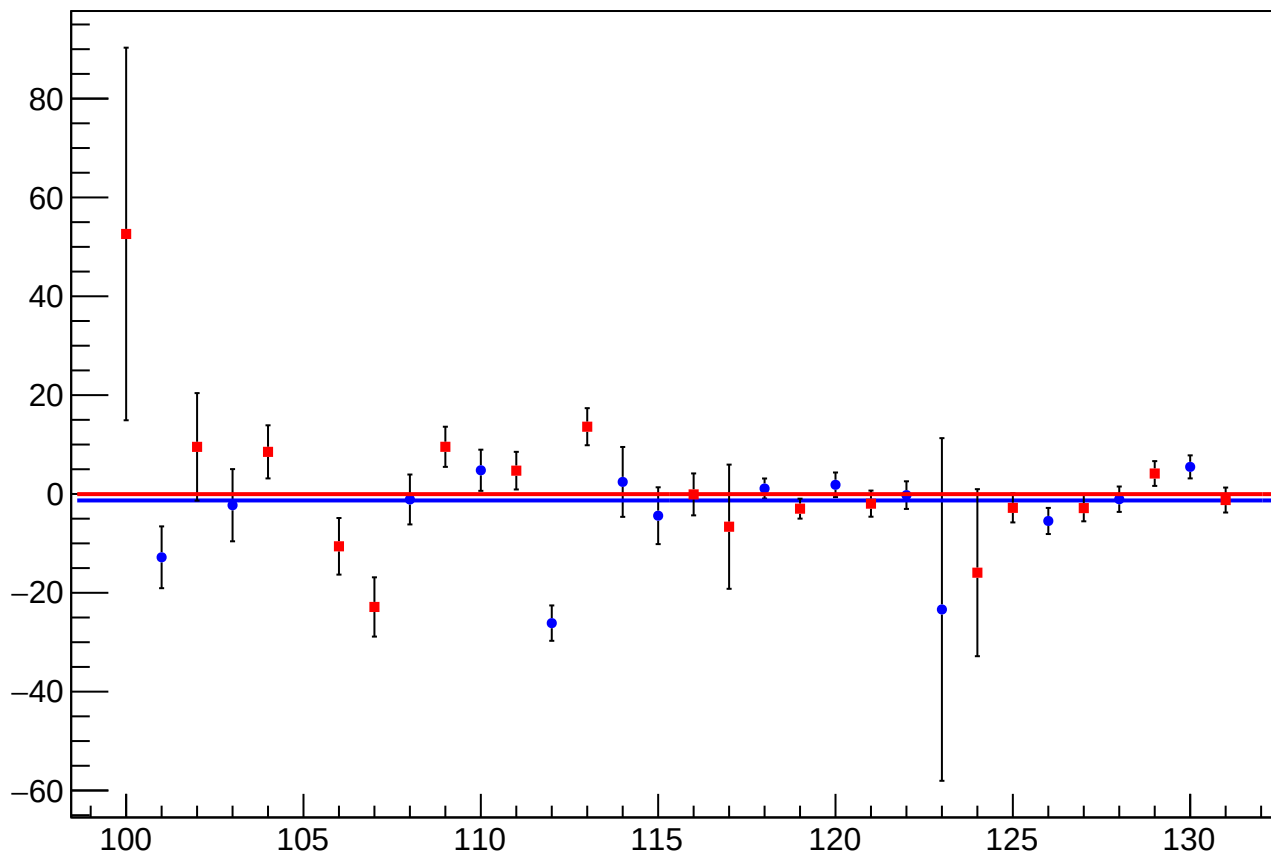
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

22.801+/-1.501  $\chi^2$ /NDF: 888.9/13

-5.917+/-1.022  $\chi^2$ /NDF: 2884.8/30

-30.768+/-1.396  $\chi^2$ /NDF: 1313.0/16

reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.313+/-0.883  $\chi^2$ /NDF: 68.8/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.036+/-0.868  $\chi^2$ /NDF: 52.3/16

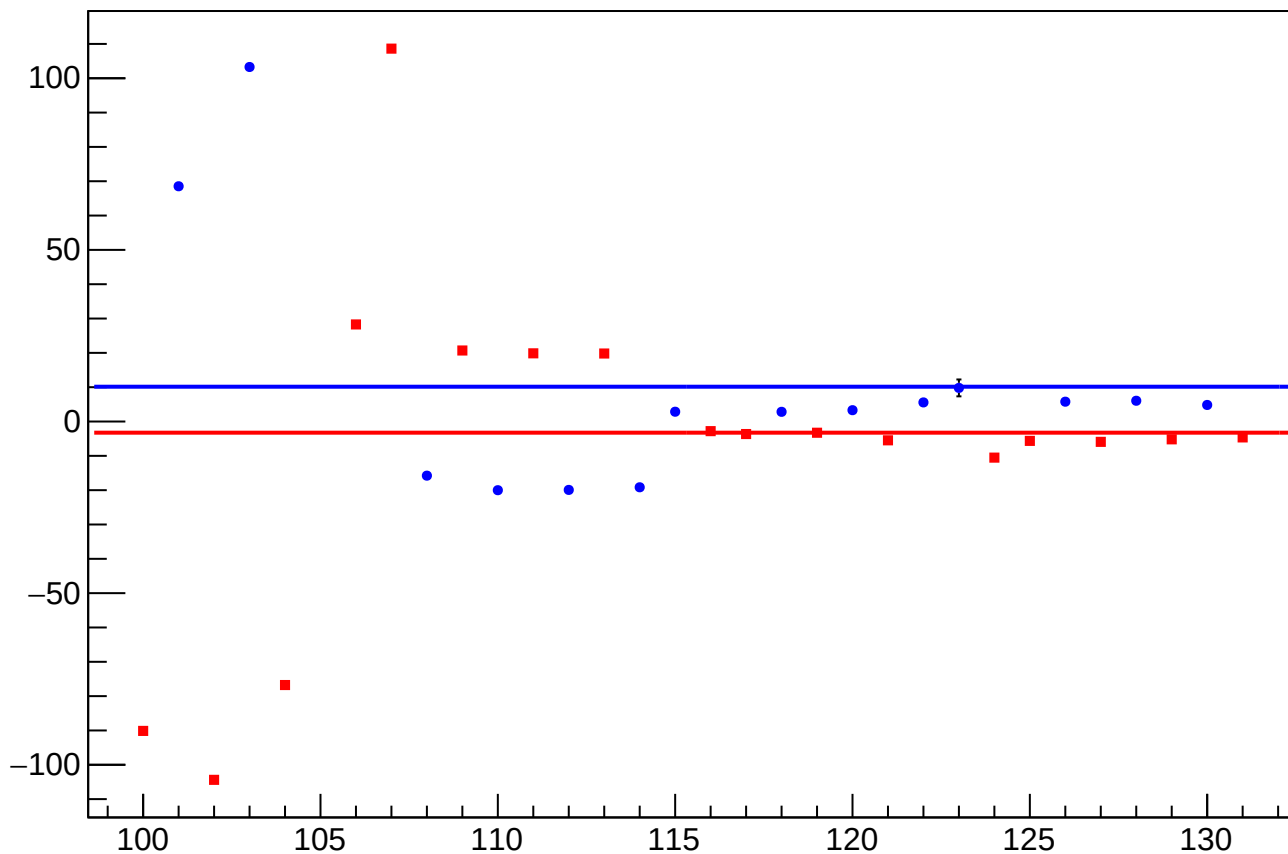
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-1.313+/-0.883  $\chi^2$ /NDF: 68.8/13

-0.663+/-0.619  $\chi^2$ /NDF: 122.2/30

-0.036+/-0.868  $\chi^2$ /NDF: 52.3/16

reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 10.141+/-0.059  $\chi^2/\text{NDF}$ : 351071.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.251+/-0.056  $\chi^2/\text{NDF}$ : 510461.0/16

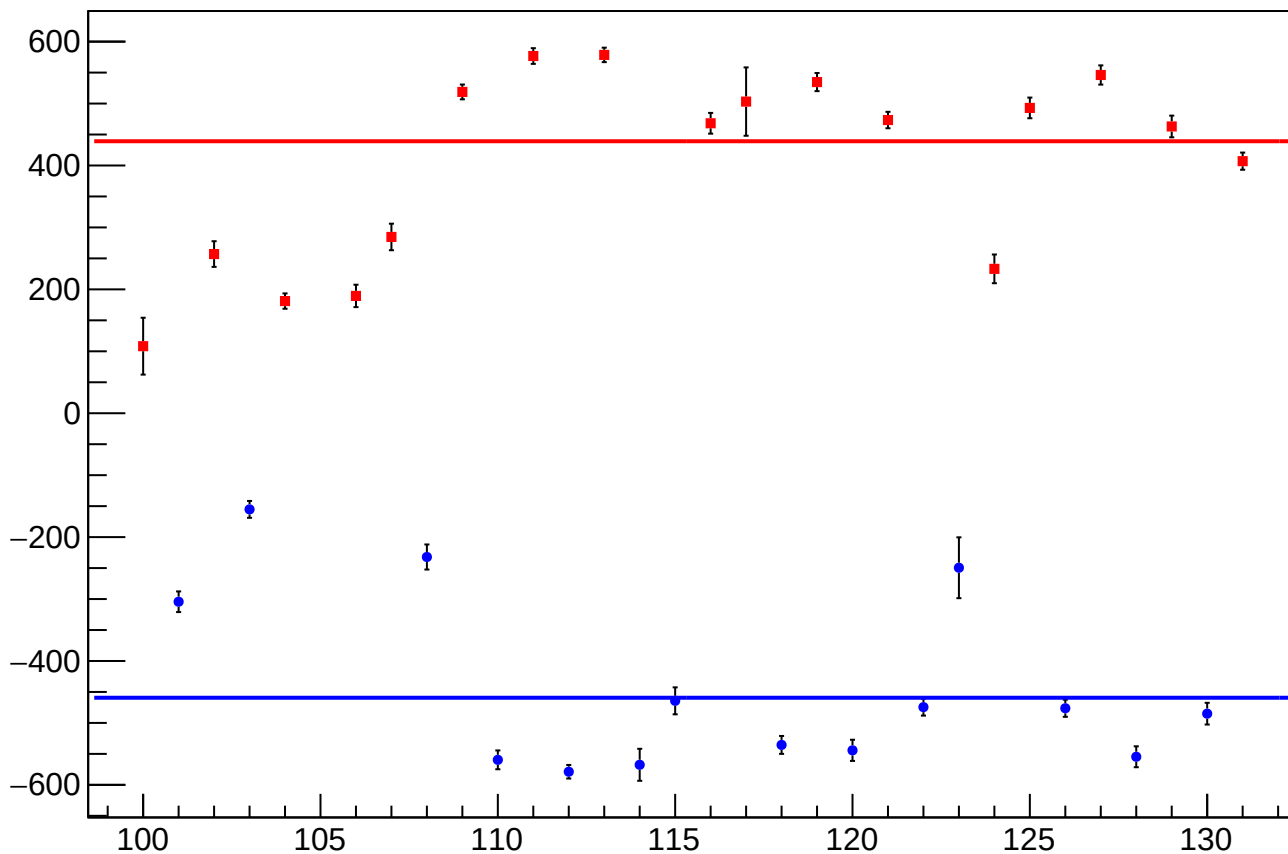
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

10.141+/-0.059  $\chi^2/\text{NDF}$ : 351071.5/13

3.150+/-0.041  $\chi^2/\text{NDF}$ : 888512.1/30

-3.251+/-0.056  $\chi^2/\text{NDF}$ : 510461.0/16

reg\_asym\_at2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -459.346+/-4.319  $\chi^2/\text{NDF}$ : 998.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 439.150+/-3.850  $\chi^2/\text{NDF}$ : 1308.8/16

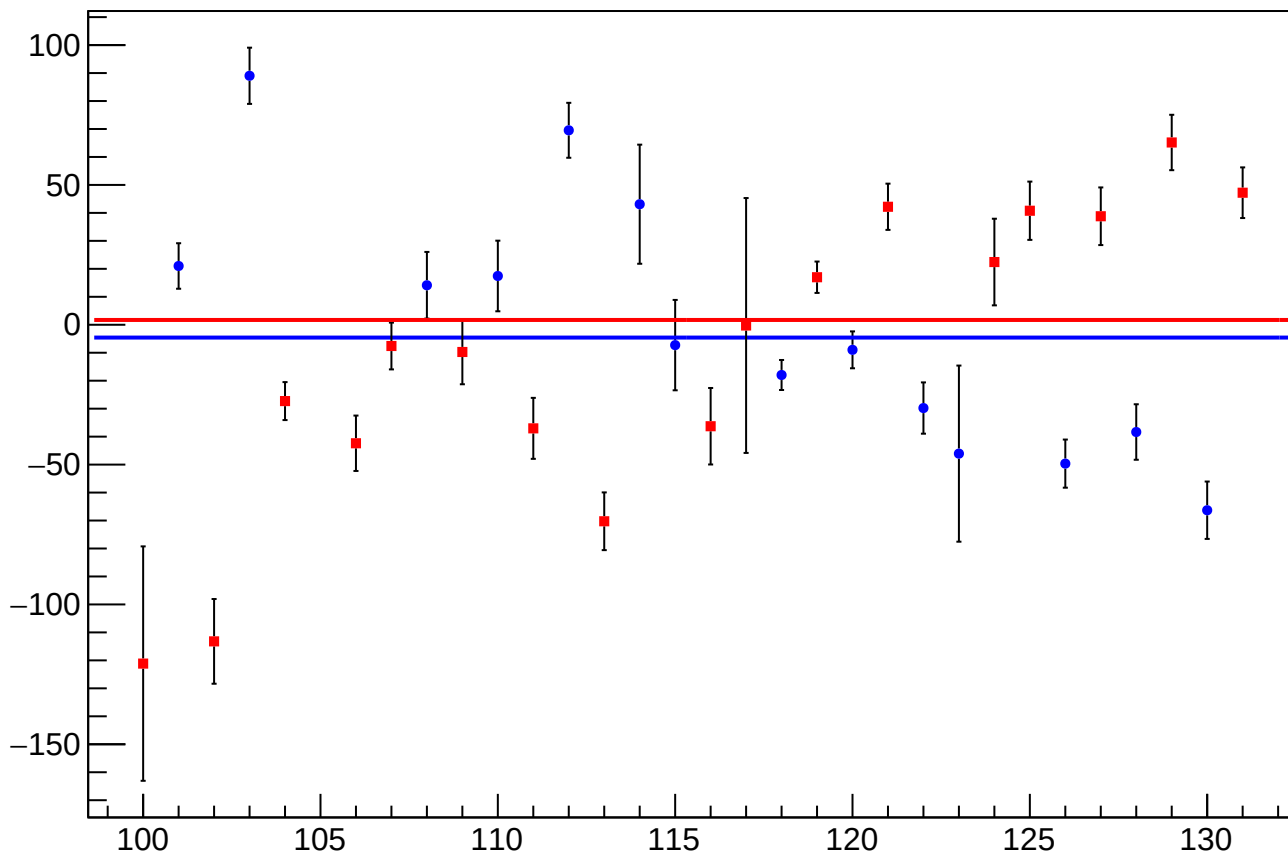
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-459.346+/-4.319  $\chi^2/\text{NDF}$ : 998.8/13

41.320+/-2.874  $\chi^2/\text{NDF}$ : 26419.2/30

439.150+/-3.850  $\chi^2/\text{NDF}$ : 1308.8/16

reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -4.578+/-2.512  $\chi^2$ /NDF: 255.3/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.716+/-2.398  $\chi^2$ /NDF: 302.0/16

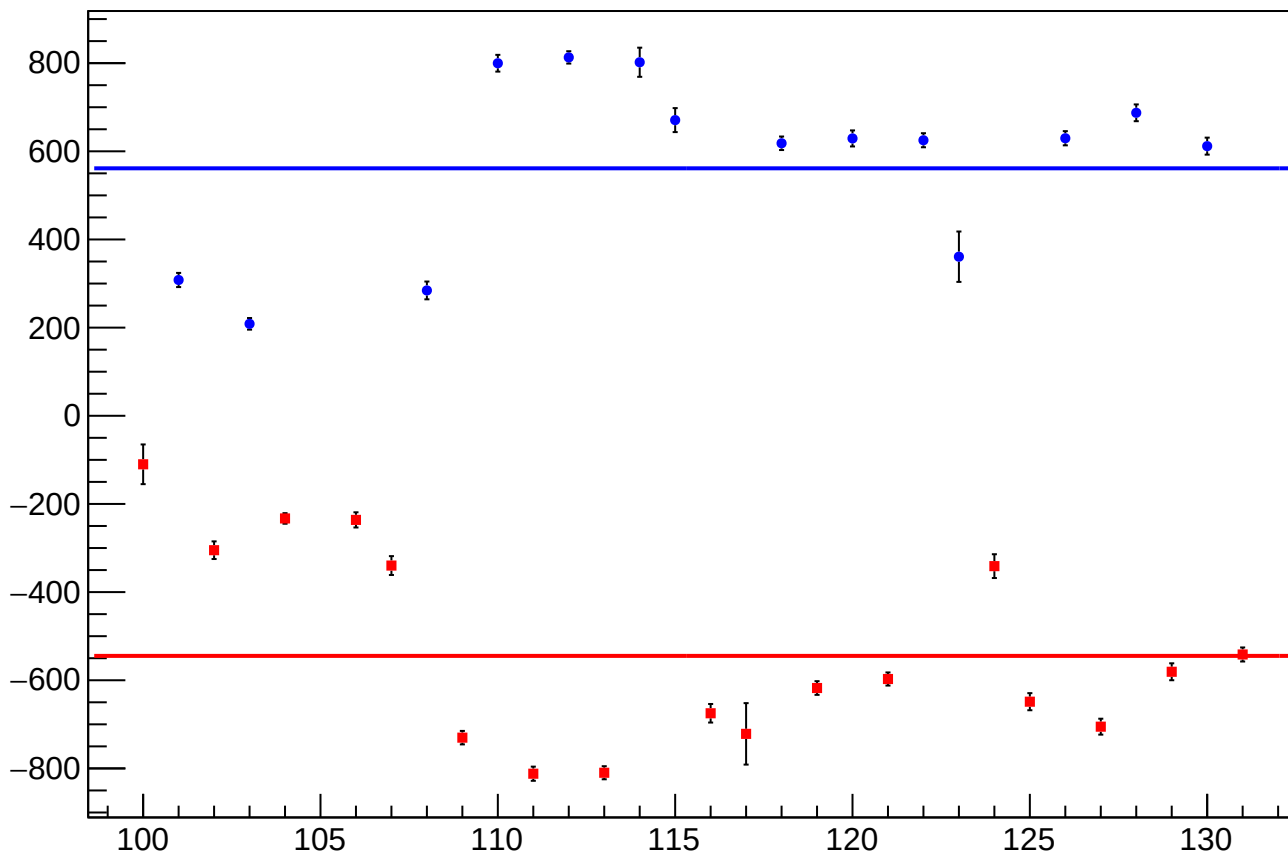
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-4.578+/-2.512  $\chi^2$ /NDF: 255.3/13

-1.286+/-1.735  $\chi^2$ /NDF: 560.5/30

1.716+/-2.398  $\chi^2$ /NDF: 302.0/16

reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 561.405+/-4.819  $\chi^2/\text{NDF}$ : 1830.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -544.714+/-4.341  $\chi^2/\text{NDF}$ : 2316.7/16

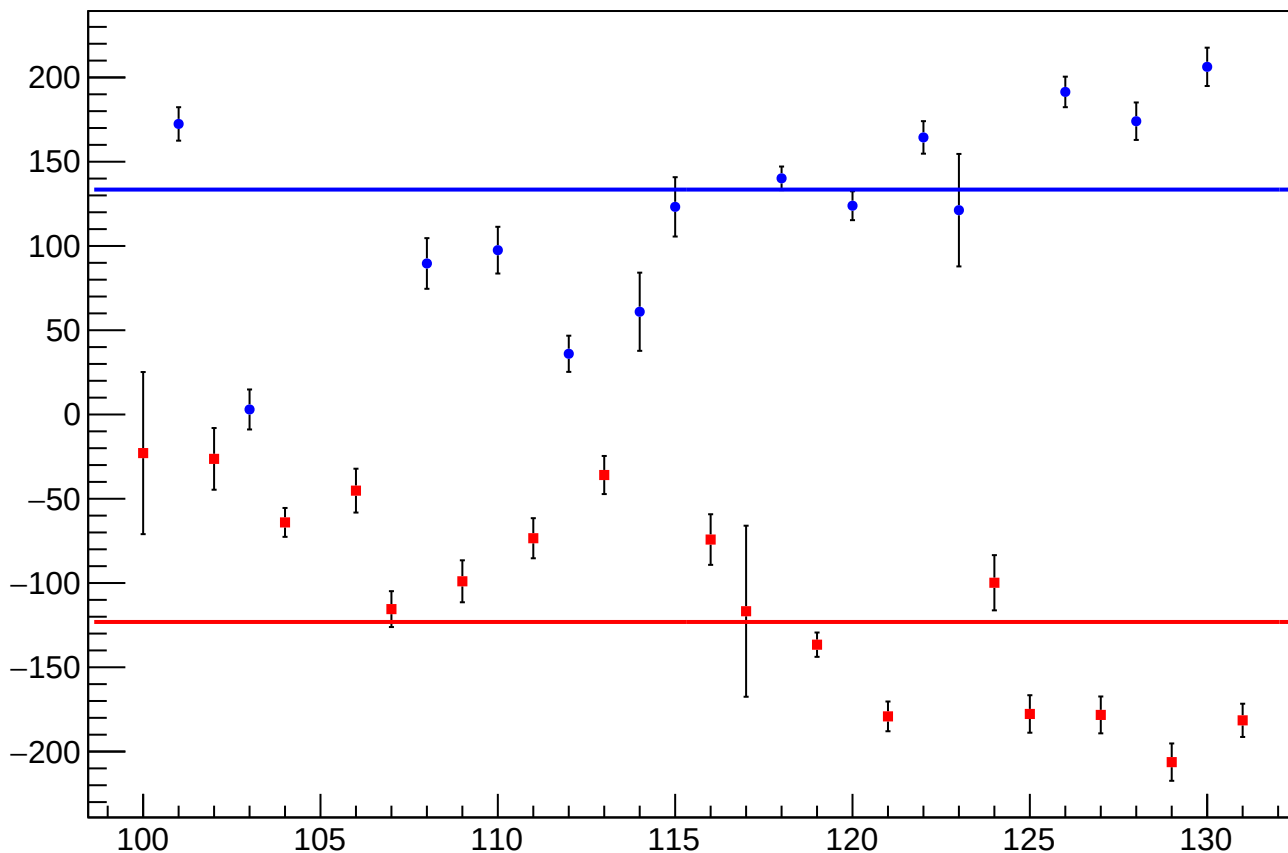
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

561.405+/-4.819  $\chi^2/\text{NDF}$ : 1830.5/13

-49.247+/-3.225  $\chi^2/\text{NDF}$ : 33236.6/30

-544.714+/-4.341  $\chi^2/\text{NDF}$ : 2316.7/16

reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 133.465+/-2.957  $\chi^2/\text{NDF}$ : 351.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -123.111+/-2.789  $\chi^2/\text{NDF}$ : 394.2/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

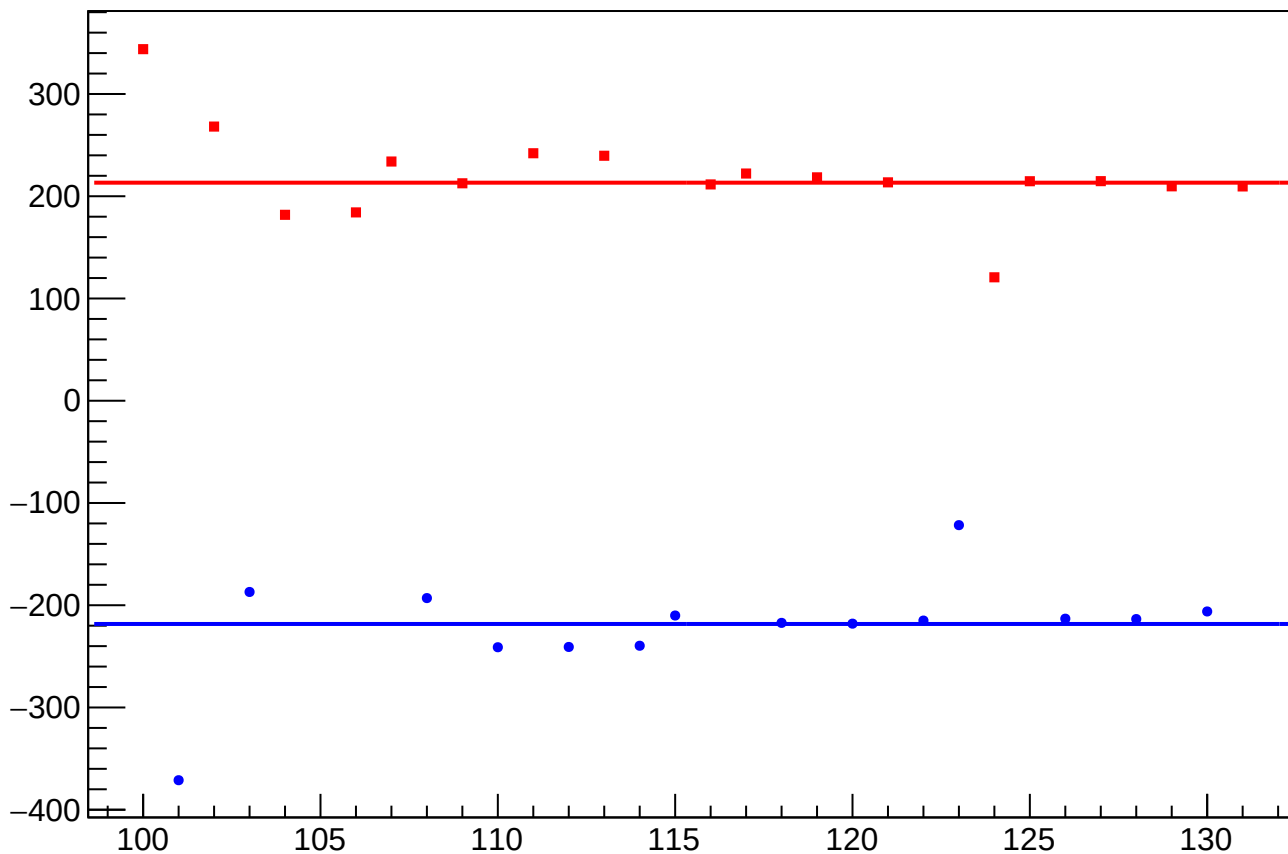
133.465+/-2.957  $\chi^2/\text{NDF}$ : 351.8/13

-2.331+/-2.029  $\chi^2/\text{NDF}$ : 4729.5/30

-123.111+/-2.789  $\chi^2/\text{NDF}$ : 394.2/16



reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -218.326+/-0.168  $\chi^2/\text{NDF}$ : 88040.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 213.268+/-0.153  $\chi^2/\text{NDF}$ : 46915.5/16

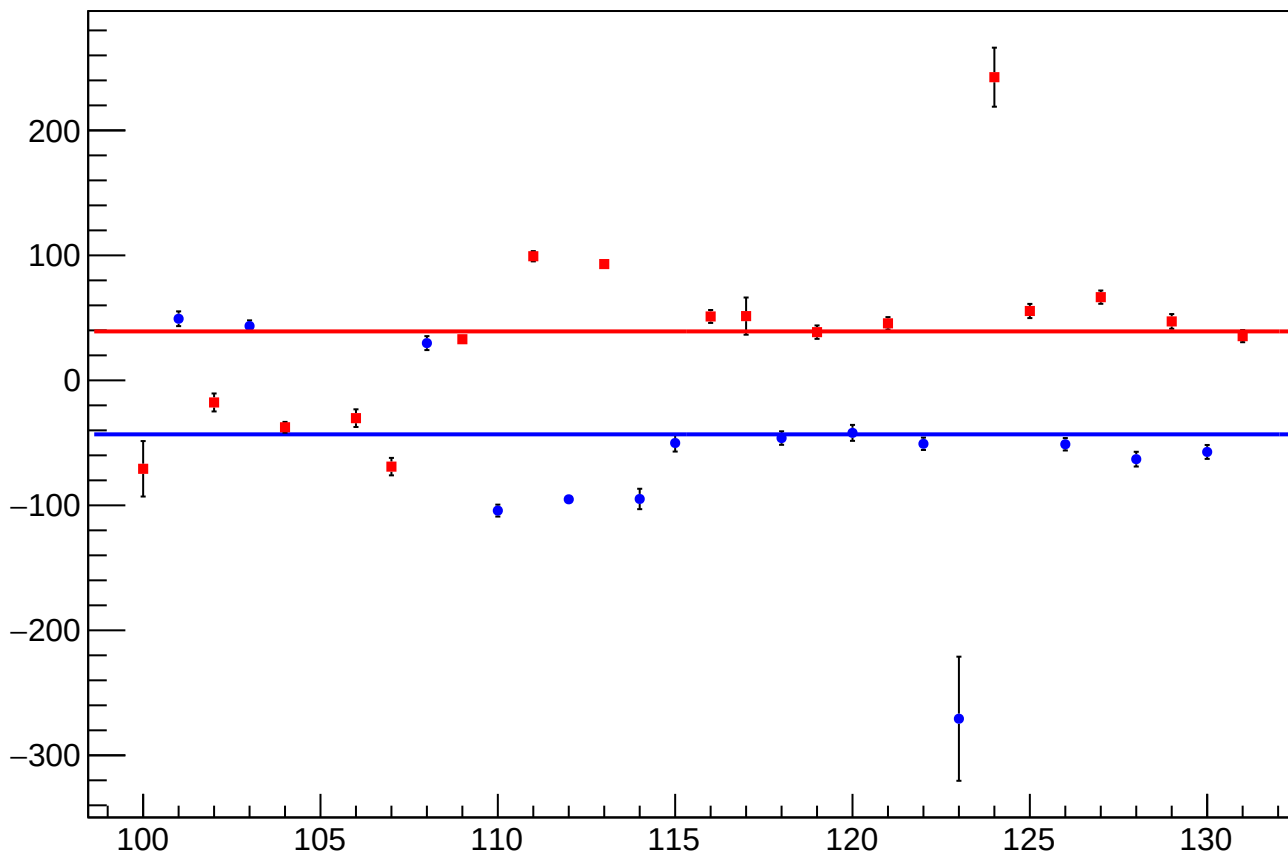
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-218.326+/-0.168  $\chi^2/\text{NDF}$ : 88040.2/13

18.024+/-0.113  $\chi^2/\text{NDF}$ : 3734762.5/30

213.268+/-0.153  $\chi^2/\text{NDF}$ : 46915.5/16

reg\_asym\_at2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-43.197 \pm 1.468$   $\chi^2/\text{NDF}: 1229.6/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $39.169 \pm 1.275$   $\chi^2/\text{NDF}: 1272.5/16$

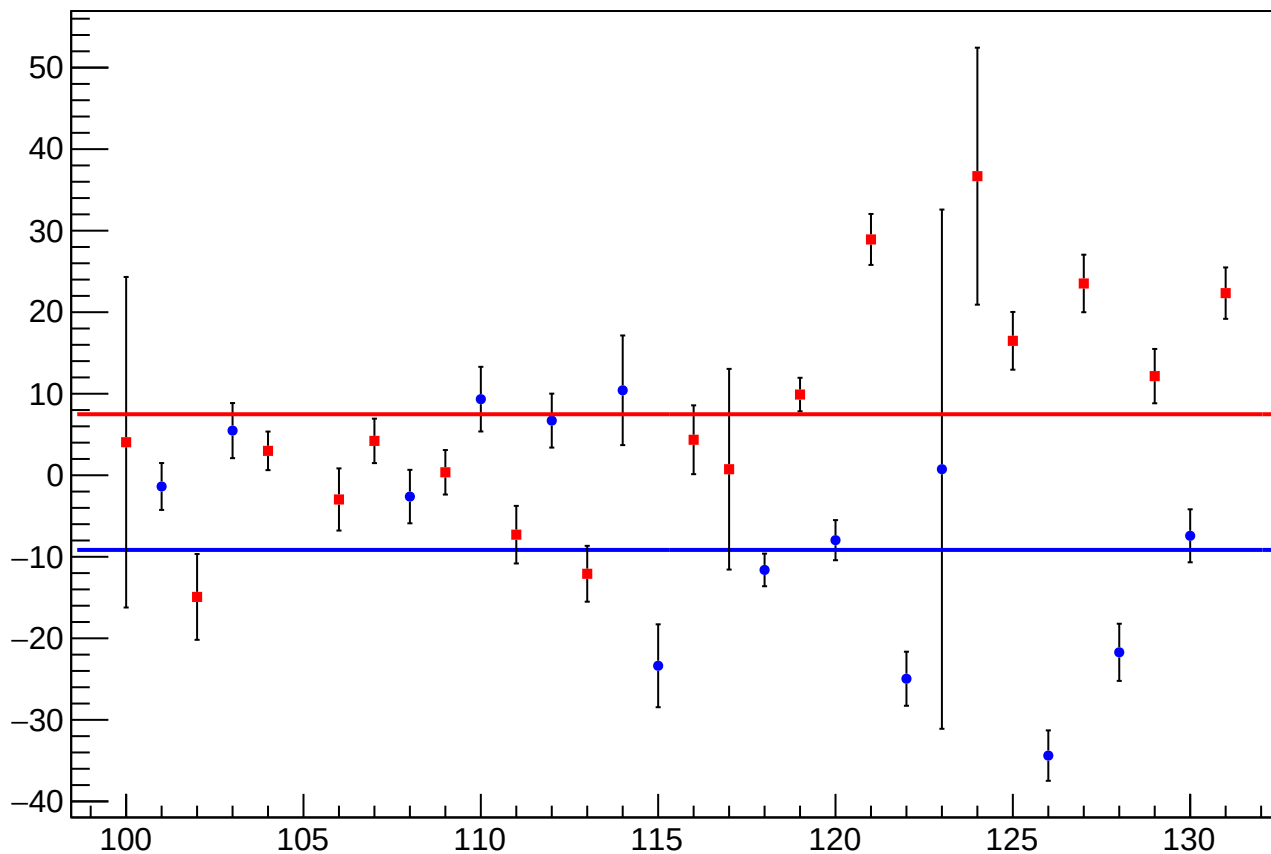
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-43.197 \pm 1.468$   $\chi^2/\text{NDF}: 1229.6/13$

$3.739 \pm 0.962$   $\chi^2/\text{NDF}: 4297.2/30$

$39.169 \pm 1.275$   $\chi^2/\text{NDF}: 1272.5/16$

reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -9.157+/-0.875  $\chi^2/\text{NDF}$ : 195.3/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.485+/-0.823  $\chi^2/\text{NDF}$ : 191.7/16

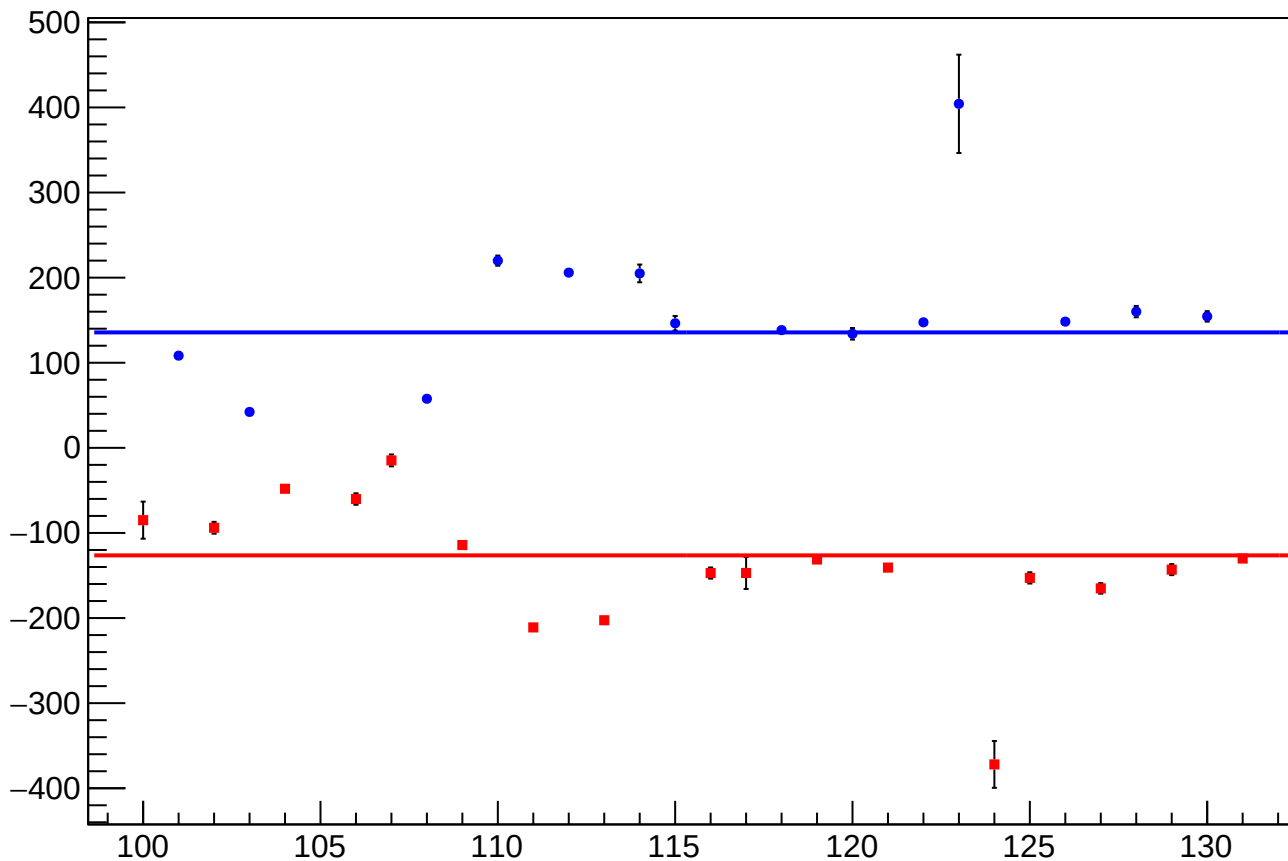
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9.157+/-0.875  $\chi^2/\text{NDF}$ : 195.3/13

-0.323+/-0.600  $\chi^2/\text{NDF}$ : 578.8/30

7.485+/-0.823  $\chi^2/\text{NDF}$ : 191.7/16

reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 135.645+/-1.638  $\chi^2/\text{NDF}$ : 1197.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -126.350+/-1.462  $\chi^2/\text{NDF}$ : 1406.7/16

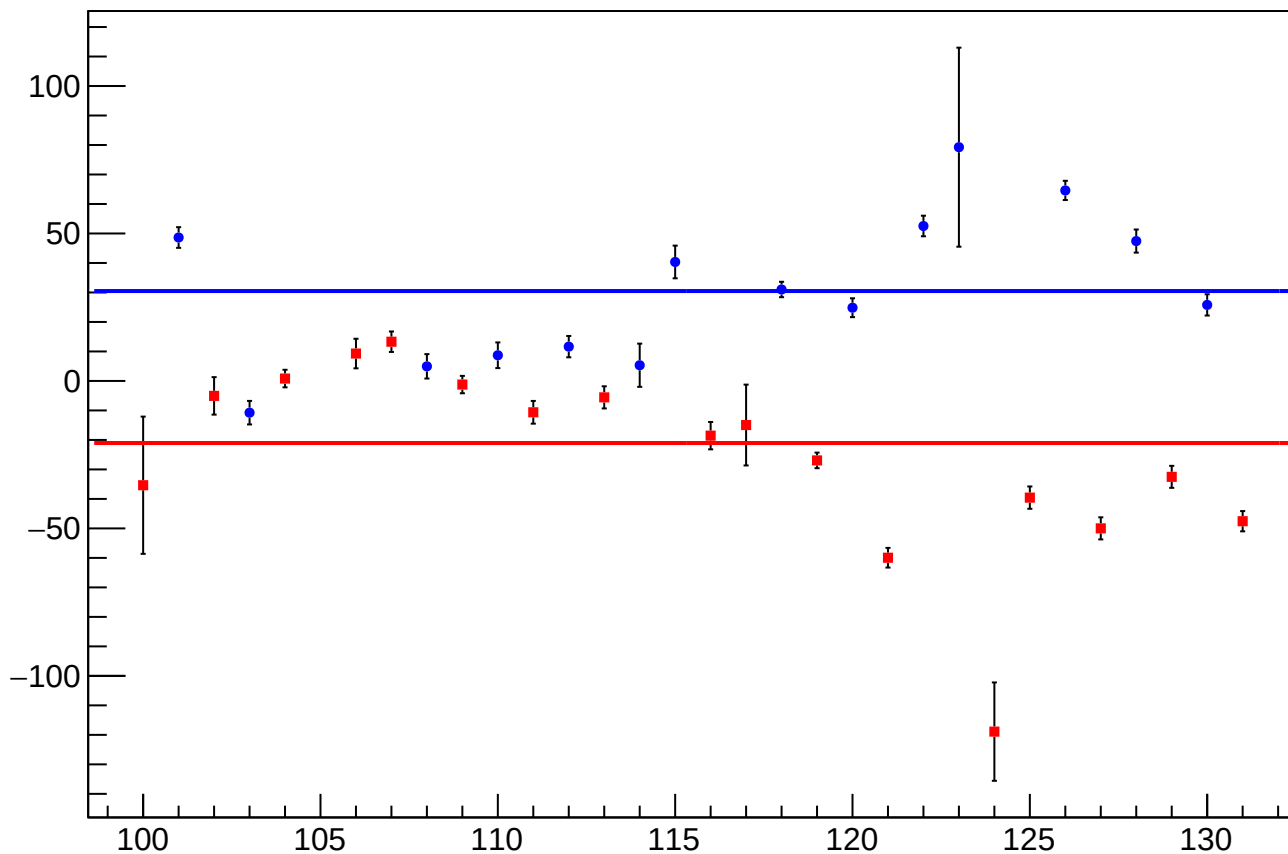
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

135.645+/-1.638  $\chi^2/\text{NDF}$ : 1197.2/13

-10.191+/-1.090  $\chi^2/\text{NDF}$ : 16849.3/30

-126.350+/-1.462  $\chi^2/\text{NDF}$ : 1406.7/16

reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 30.483+/-1.027  $\chi^2/\text{NDF}$ : 414.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -21.042+/-0.953  $\chi^2/\text{NDF}$ : 593.4/16

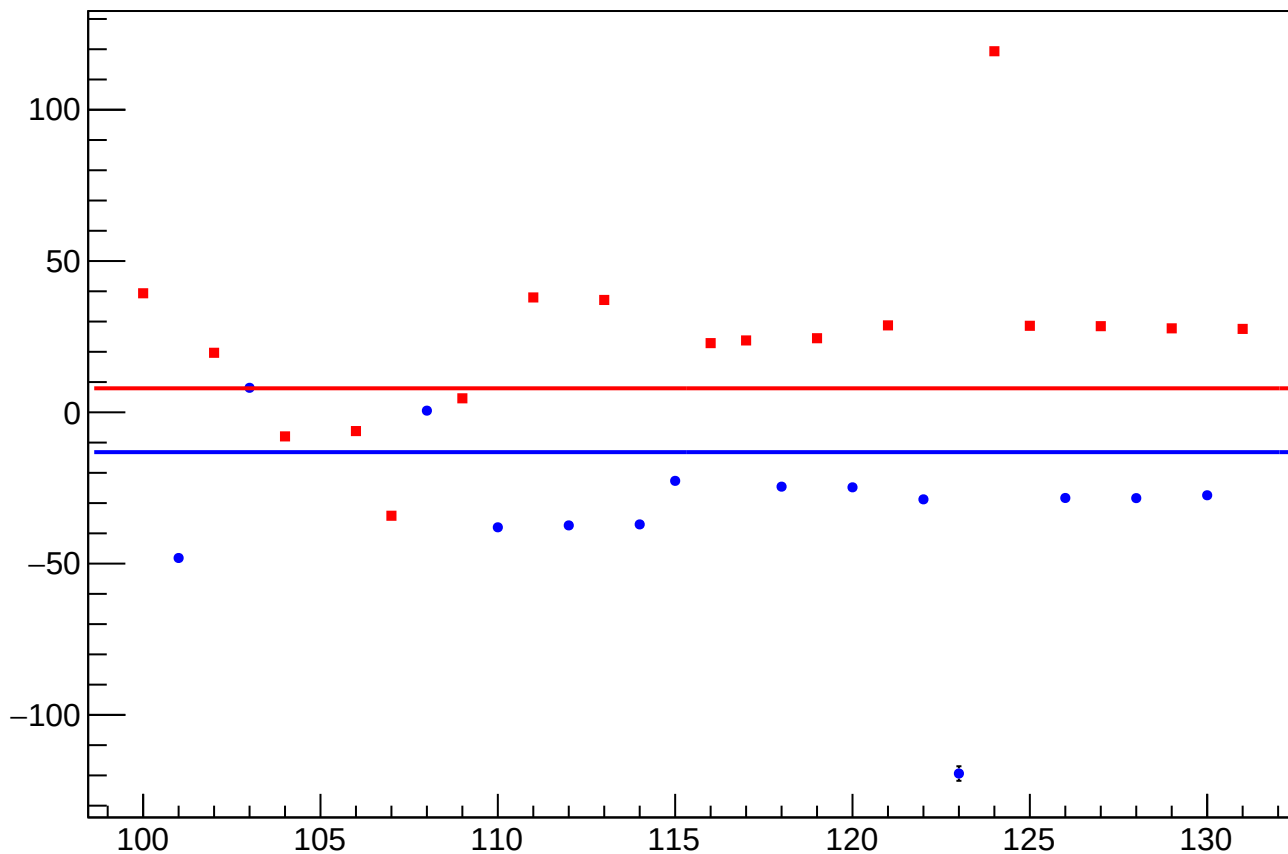
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

30.483+/-1.027  $\chi^2/\text{NDF}$ : 414.4/13

2.776+/-0.699  $\chi^2/\text{NDF}$ : 2360.1/30

-21.042+/-0.953  $\chi^2/\text{NDF}$ : 593.4/16

reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -13.160 $\pm$ 0.056  $\chi^2$ /NDF: 129650.3/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.938 $\pm$ 0.052  $\chi^2$ /NDF: 181472.1/16

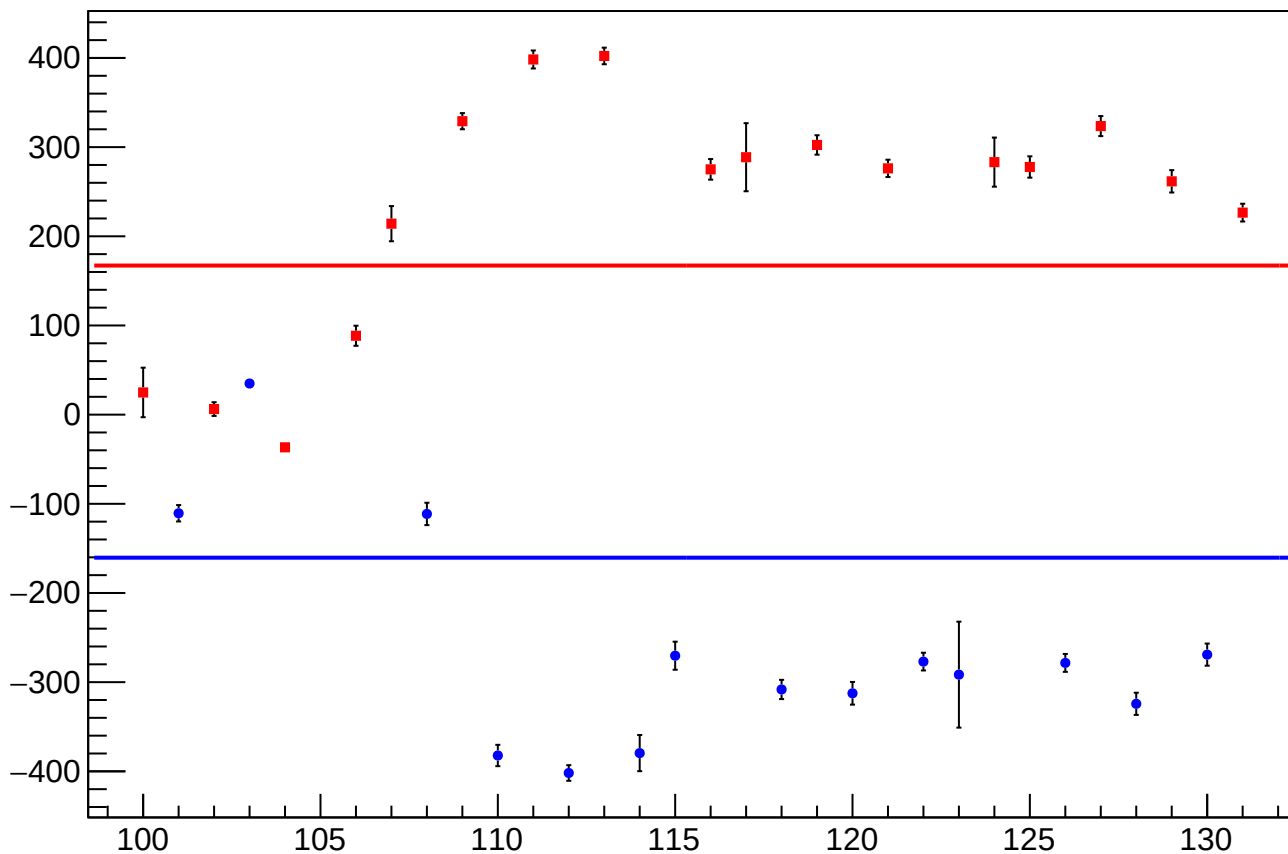
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-13.160 $\pm$ 0.056  $\chi^2$ /NDF: 129650.3/13

-1.887 $\pm$ 0.038  $\chi^2$ /NDF: 387810.6/30

7.938 $\pm$ 0.052  $\chi^2$ /NDF: 181472.1/16

reg\_asym\_atl1r2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -160.411+/-2.584  $\chi^2/\text{NDF}$ : 4348.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 167.210+/-2.413  $\chi^2/\text{NDF}$ : 4829.9/16

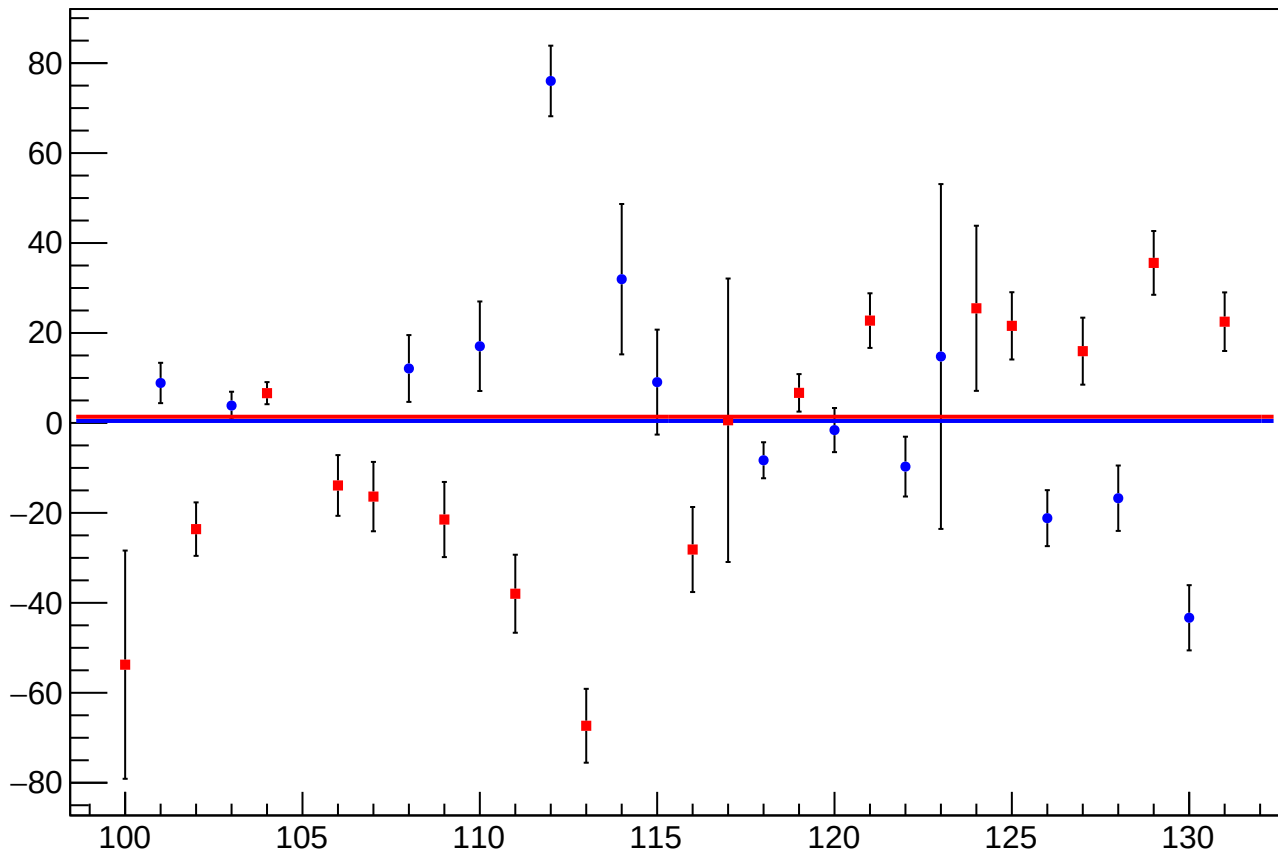
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-160.411+/-2.584  $\chi^2/\text{NDF}$ : 4348.8/13

14.588+/-1.764  $\chi^2/\text{NDF}$ : 17763.2/30

167.210+/-2.413  $\chi^2/\text{NDF}$ : 4829.9/16

reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.436+/-1.578  $\chi^2/\text{NDF}$ : 168.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.378+/-1.481  $\chi^2/\text{NDF}$ : 205.8/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

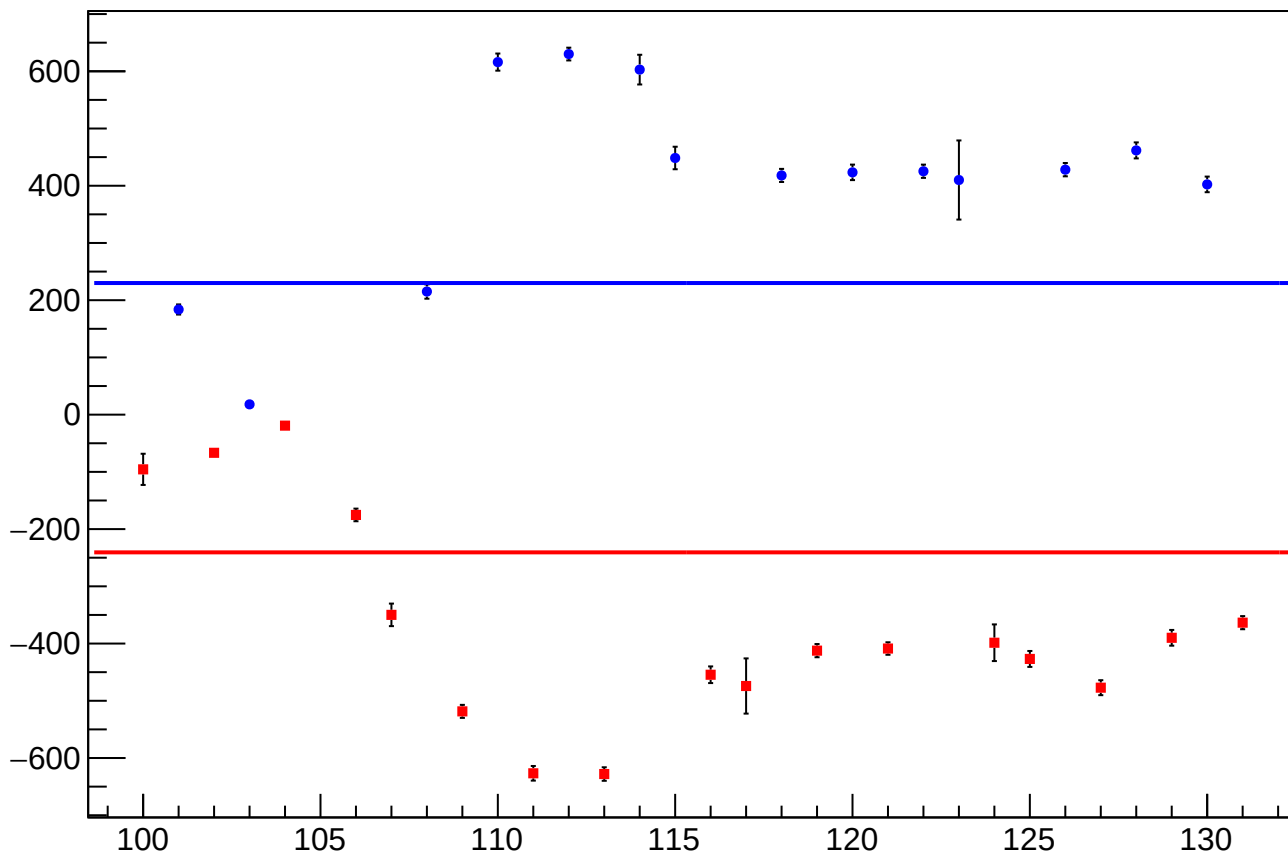
0.436+/-1.578  $\chi^2/\text{NDF}$ : 168.4/13

0.937+/-1.080  $\chi^2/\text{NDF}$ : 374.5/30

1.378+/-1.481  $\chi^2/\text{NDF}$ : 205.8/16



reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 229.997 $\pm$ 2.719  $\chi^2$ /NDF: 6535.2/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -240.648 $\pm$ 2.582  $\chi^2$ /NDF: 7276.8/16

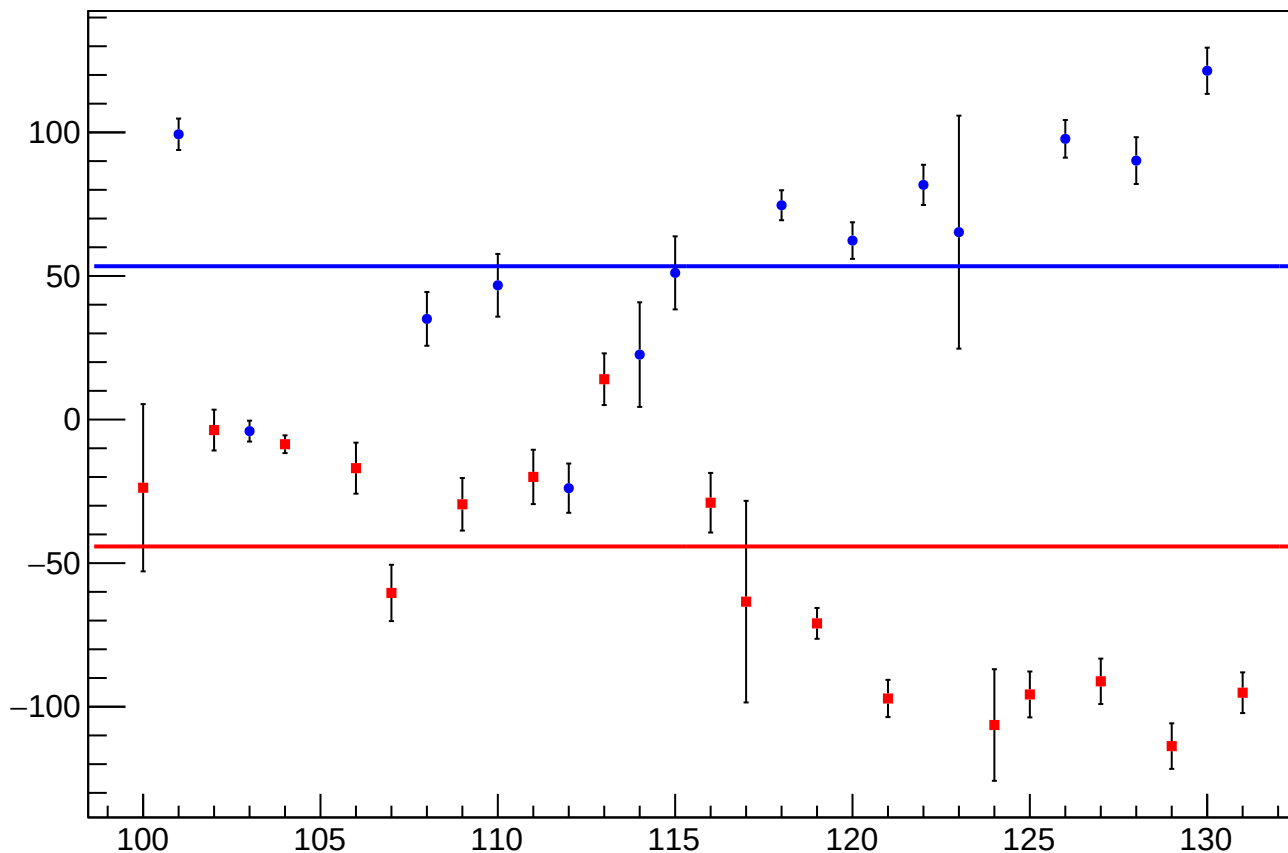
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

229.997 $\pm$ 2.719  $\chi^2$ /NDF: 6535.2/13

-17.534 $\pm$ 1.872  $\chi^2$ /NDF: 29564.8/30

-240.648 $\pm$ 2.582  $\chi^2$ /NDF: 7276.8/16

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 53.389+/-1.864  $\chi^2/\text{NDF}$ : 580.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -44.192+/-1.759  $\chi^2/\text{NDF}$ : 538.9/16

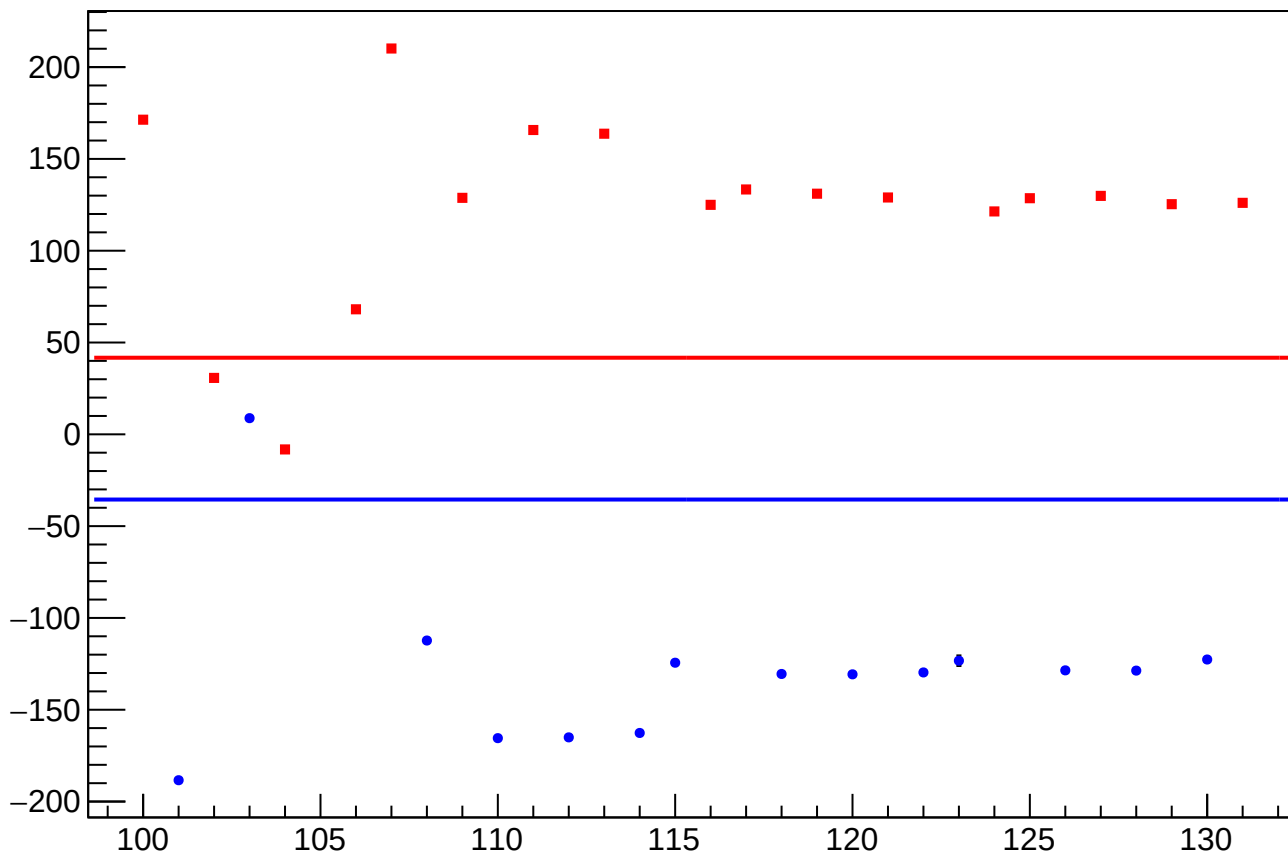
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

53.389+/-1.864  $\chi^2/\text{NDF}$ : 580.8/13

1.764+/-1.279  $\chi^2/\text{NDF}$ : 2569.0/30

-44.192+/-1.759  $\chi^2/\text{NDF}$ : 538.9/16

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -35.517+/-0.076  $\chi^2/\text{NDF}$ : 842464.1/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 41.719+/-0.077  $\chi^2/\text{NDF}$ : 689134.4/16

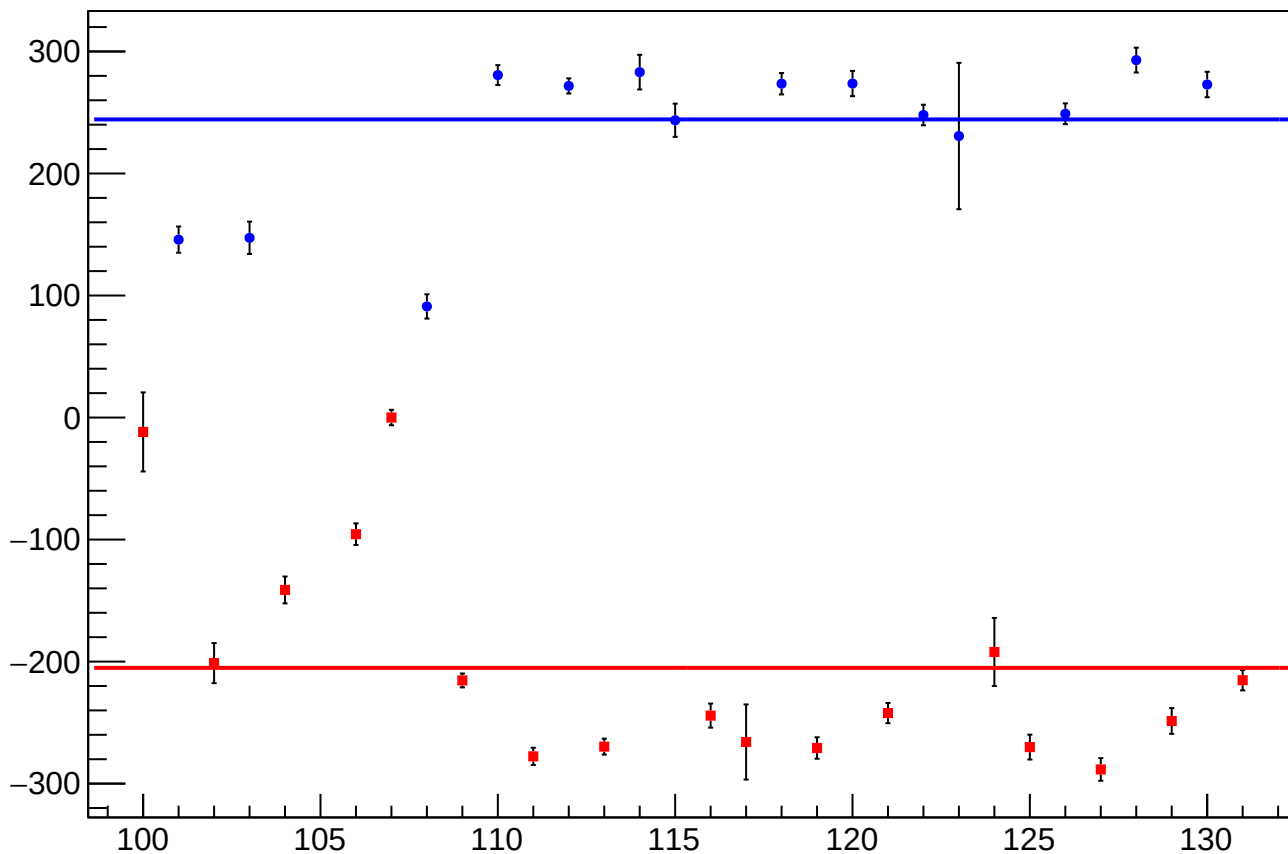
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-35.517+/-0.076  $\chi^2/\text{NDF}$ : 842464.1/13

2.915+/-0.054  $\chi^2/\text{NDF}$ : 2043306.1/30

41.719+/-0.077  $\chi^2/\text{NDF}$ : 689134.4/16

reg\_asym\_atl1r2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 244.312+/-2.623  $\chi^2/\text{NDF}$ : 471.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -205.140+/-2.185  $\chi^2/\text{NDF}$ : 1713.4/16

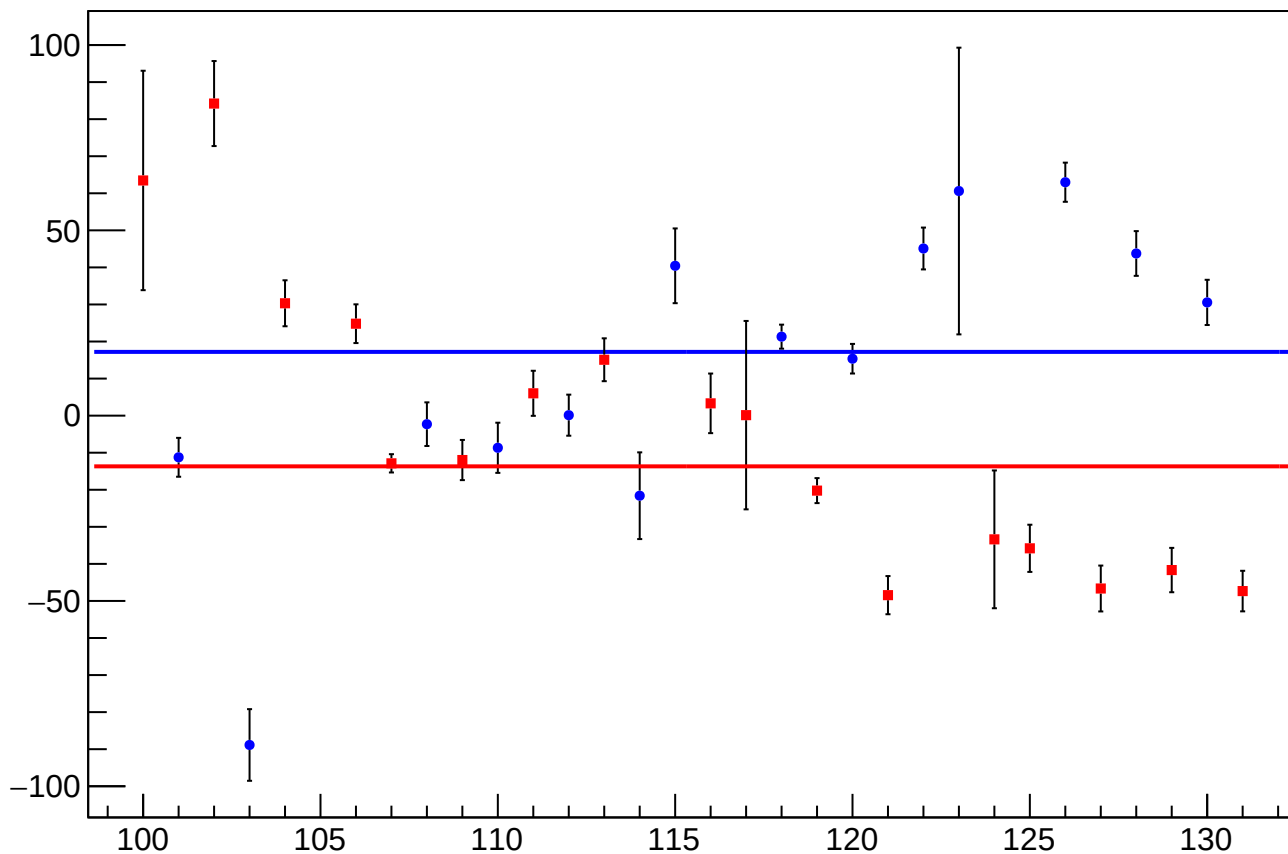
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

244.312+/-2.623  $\chi^2/\text{NDF}$ : 471.7/13

-20.986+/-1.679  $\chi^2/\text{NDF}$ : 19515.9/30

-205.140+/-2.185  $\chi^2/\text{NDF}$ : 1713.4/16

reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 17.204+/-1.530  $\chi^2$ /NDF: 327.9/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -13.683+/-1.308  $\chi^2$ /NDF: 375.0/16

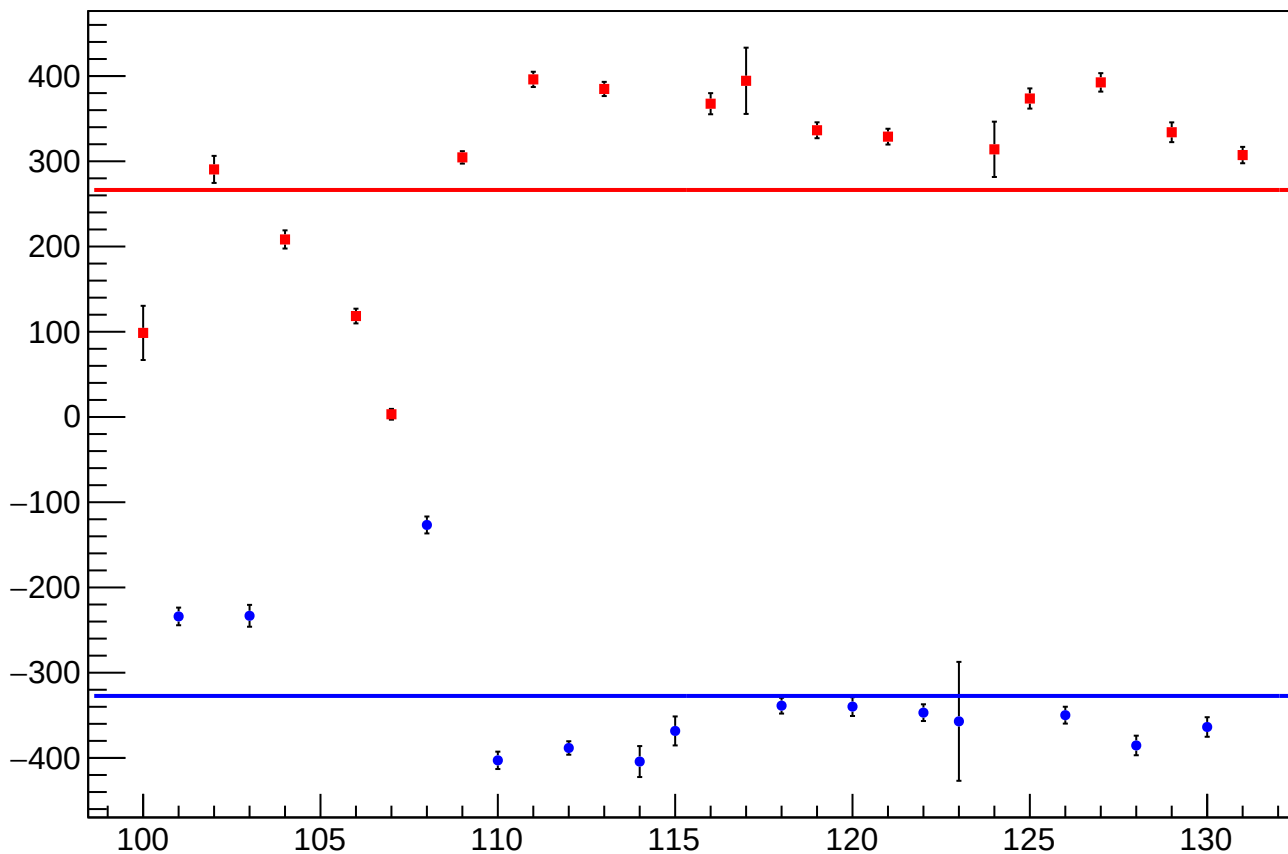
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

17.204+/-1.530  $\chi^2$ /NDF: 327.9/13

-0.636+/-0.994  $\chi^2$ /NDF: 938.4/30

-13.683+/-1.308  $\chi^2$ /NDF: 375.0/16

reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -327.255+/-2.967  $\chi^2/\text{NDF}$ : 729.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 266.351+/-2.476  $\chi^2/\text{NDF}$ : 2980.9/16

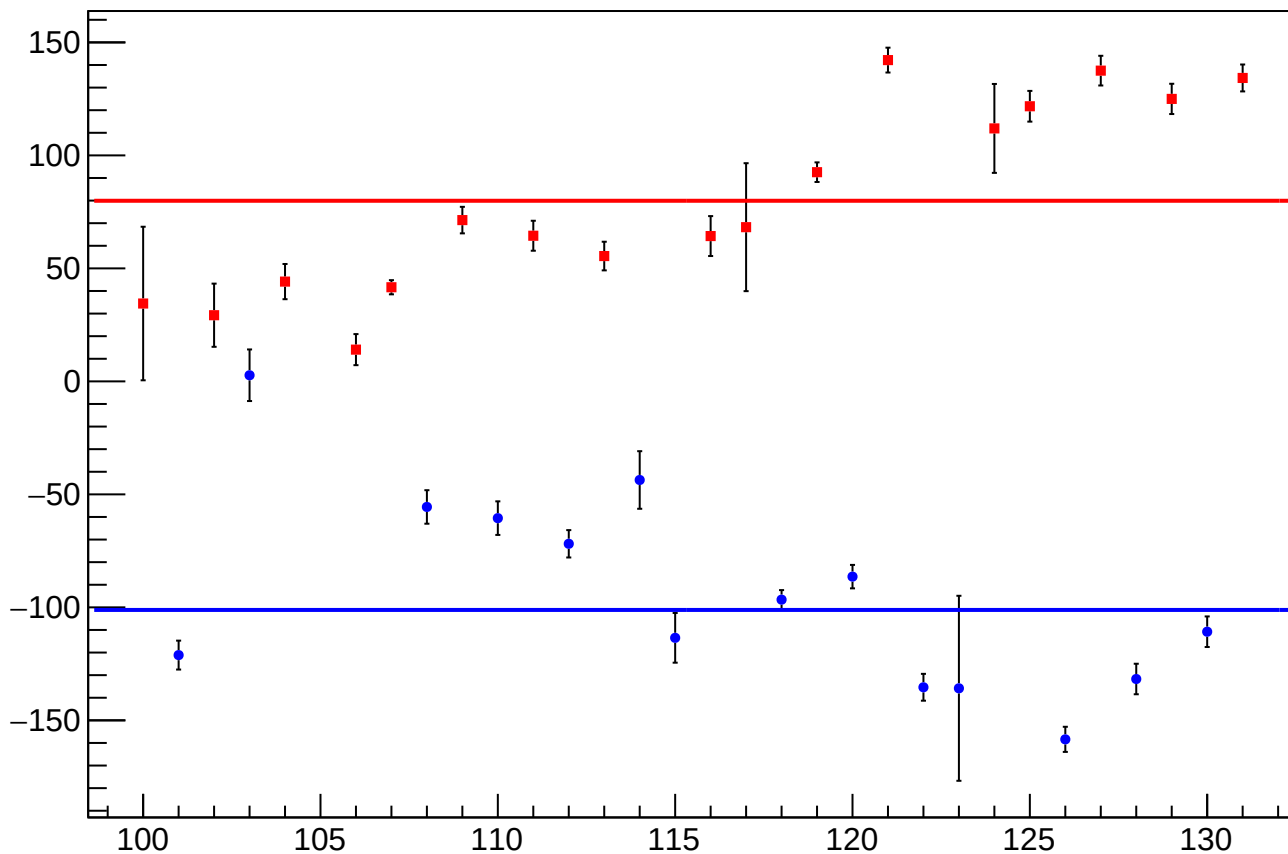
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-327.255+/-2.967  $\chi^2/\text{NDF}$ : 729.8/13

22.754+/-1.901  $\chi^2/\text{NDF}$ : 27306.5/30

266.351+/-2.476  $\chi^2/\text{NDF}$ : 2980.9/16

reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -101.144+/-1.801  $\chi^2$ /NDF: 376.9/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 79.921+/-1.543  $\chi^2$ /NDF: 684.8/16

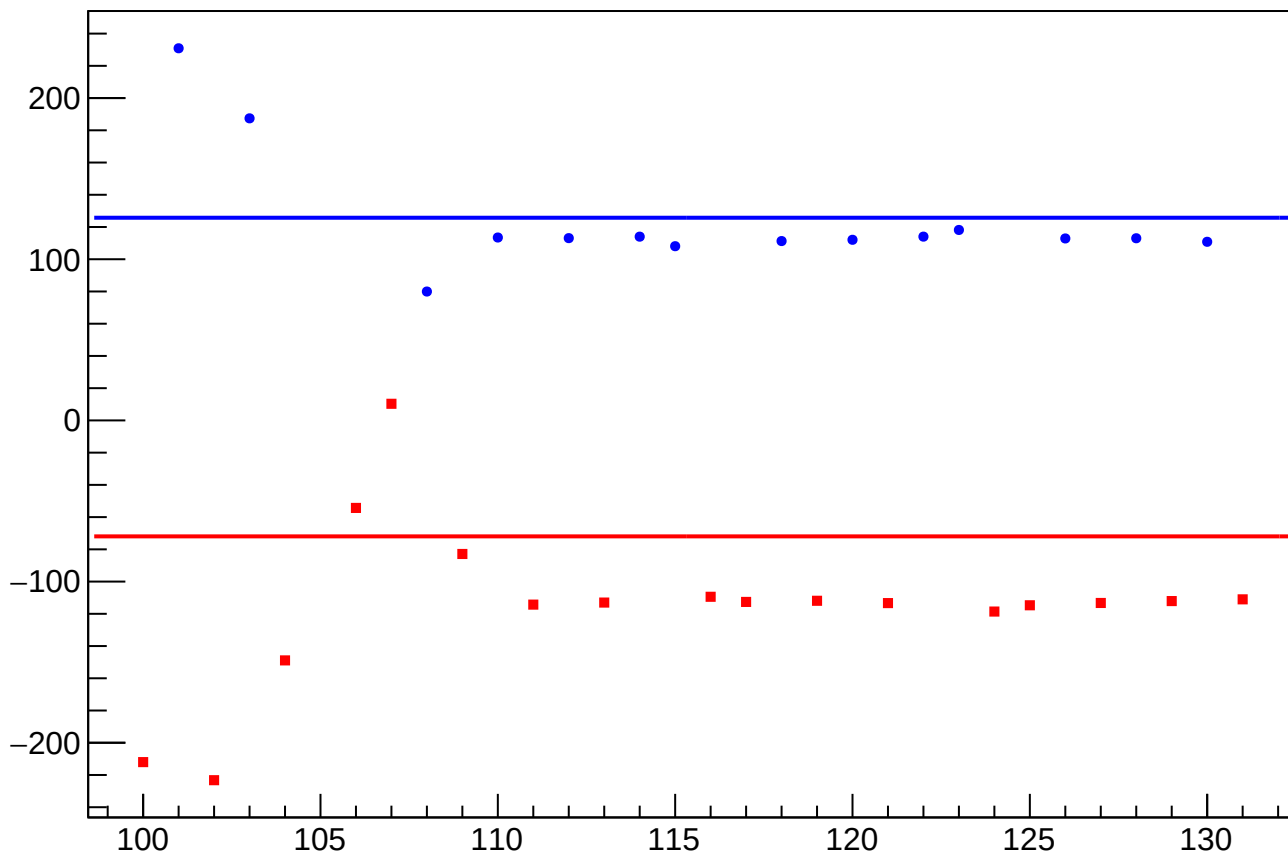
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-101.144+/-1.801  $\chi^2$ /NDF: 376.9/13

3.294+/-1.172  $\chi^2$ /NDF: 6888.7/30

79.921+/-1.543  $\chi^2$ /NDF: 684.8/16

reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 125.756+/-0.109  $\chi^2/\text{NDF}$ : 174947.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -71.952+/-0.083  $\chi^2/\text{NDF}$ : 666926.0/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

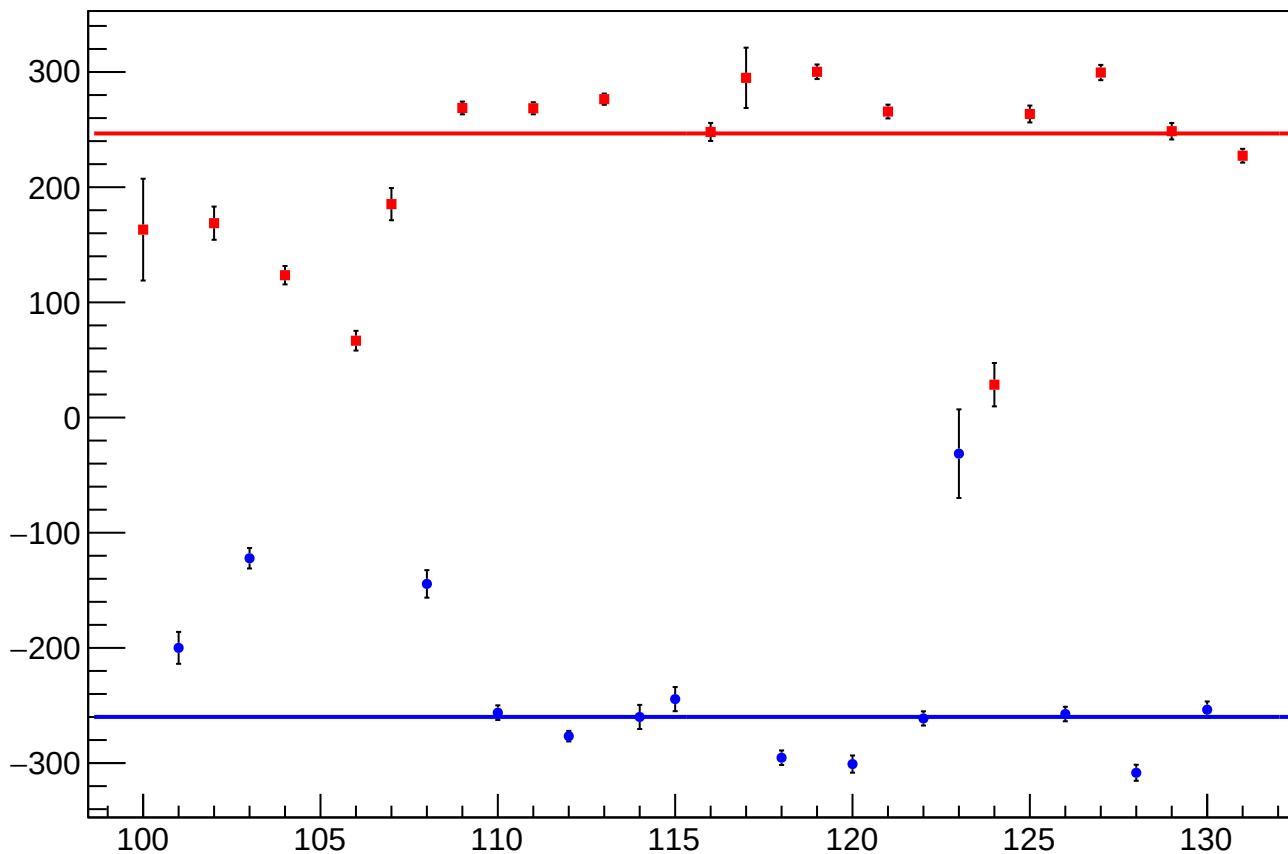
125.756+/-0.109  $\chi^2/\text{NDF}$ : 174947.4/13

1.100+/-0.066  $\chi^2/\text{NDF}$ : 2923184.4/30

-71.952+/-0.083  $\chi^2/\text{NDF}$ : 666926.0/16



reg\_asym\_atr1l2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -259.918+/-1.999  $\chi^2$ /NDF: 514.1/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 246.647+/-1.790  $\chi^2$ /NDF: 1100.3/16

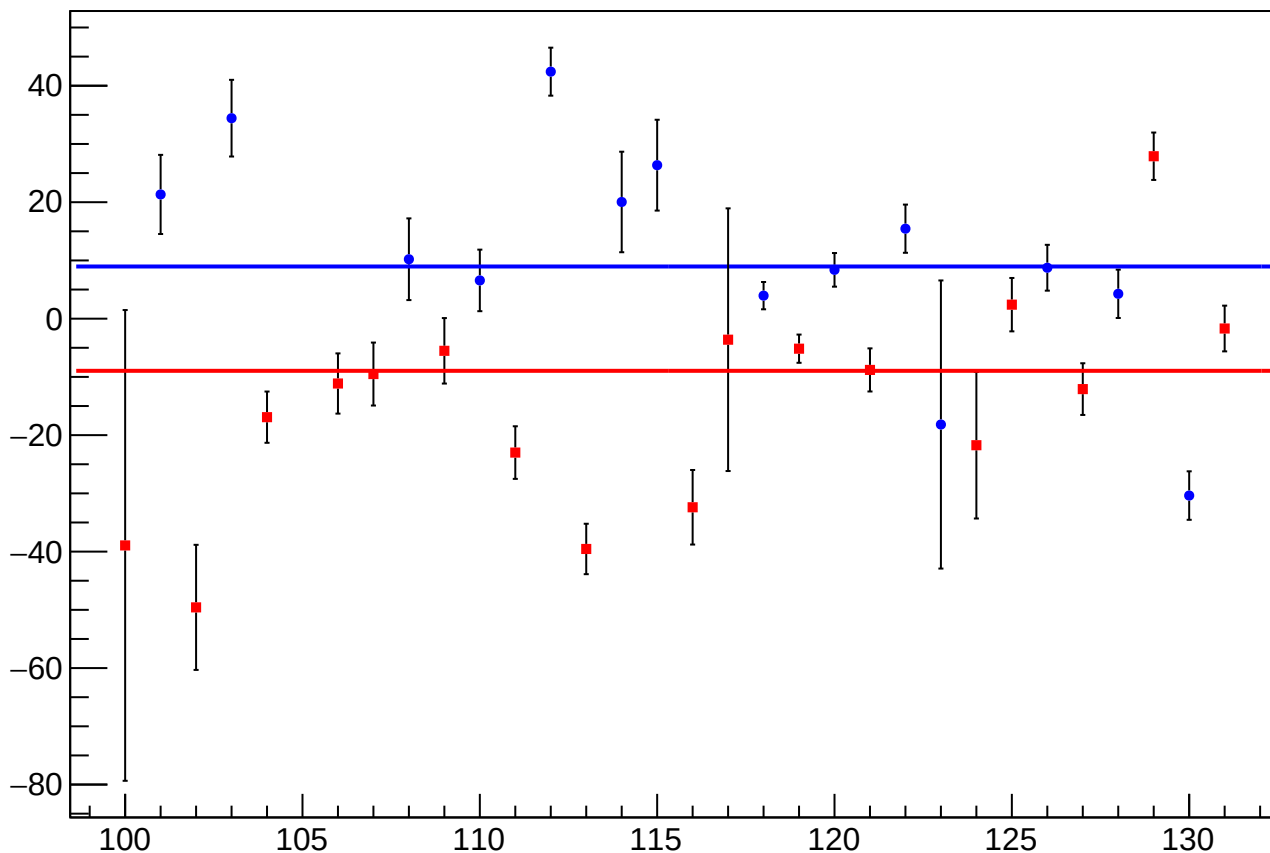
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-259.918+/-1.999  $\chi^2$ /NDF: 514.1/13

21.338+/-1.333  $\chi^2$ /NDF: 37251.1/30

246.647+/-1.790  $\chi^2$ /NDF: 1100.3/16

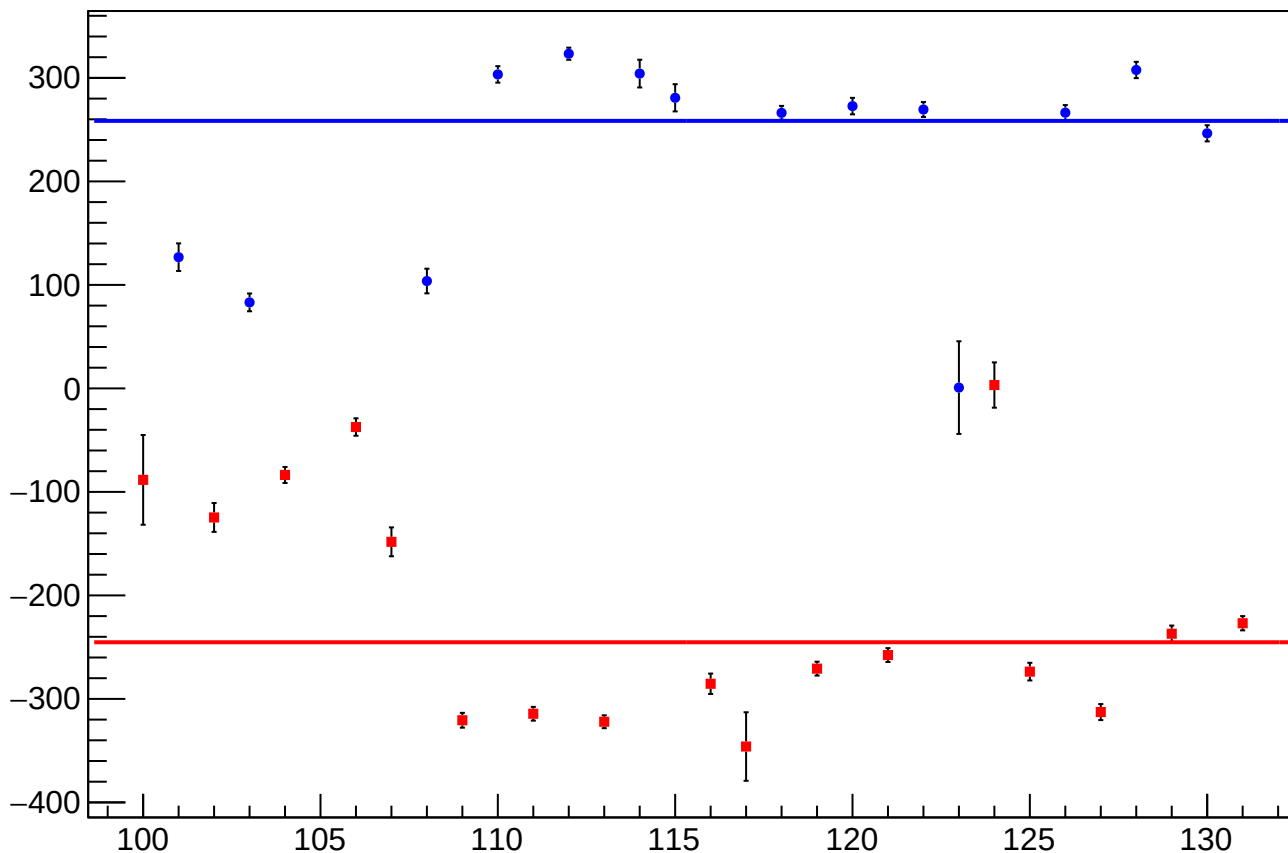
reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.960 $\pm$ 1.169  $\chi^2$ /NDF: 189.9/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -8.955 $\pm$ 1.143  $\chi^2$ /NDF: 187.2/16  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

8.960 $\pm$ 1.169  $\chi^2$ /NDF: 189.9/13  
 -0.202 $\pm$ 0.817  $\chi^2$ /NDF: 497.2/30  
 -8.955 $\pm$ 1.143  $\chi^2$ /NDF: 187.2/16

reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 258.482+/-2.286  $\chi^2/\text{NDF}$ : 933.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -245.272+/-2.063  $\chi^2/\text{NDF}$ : 1820.6/16

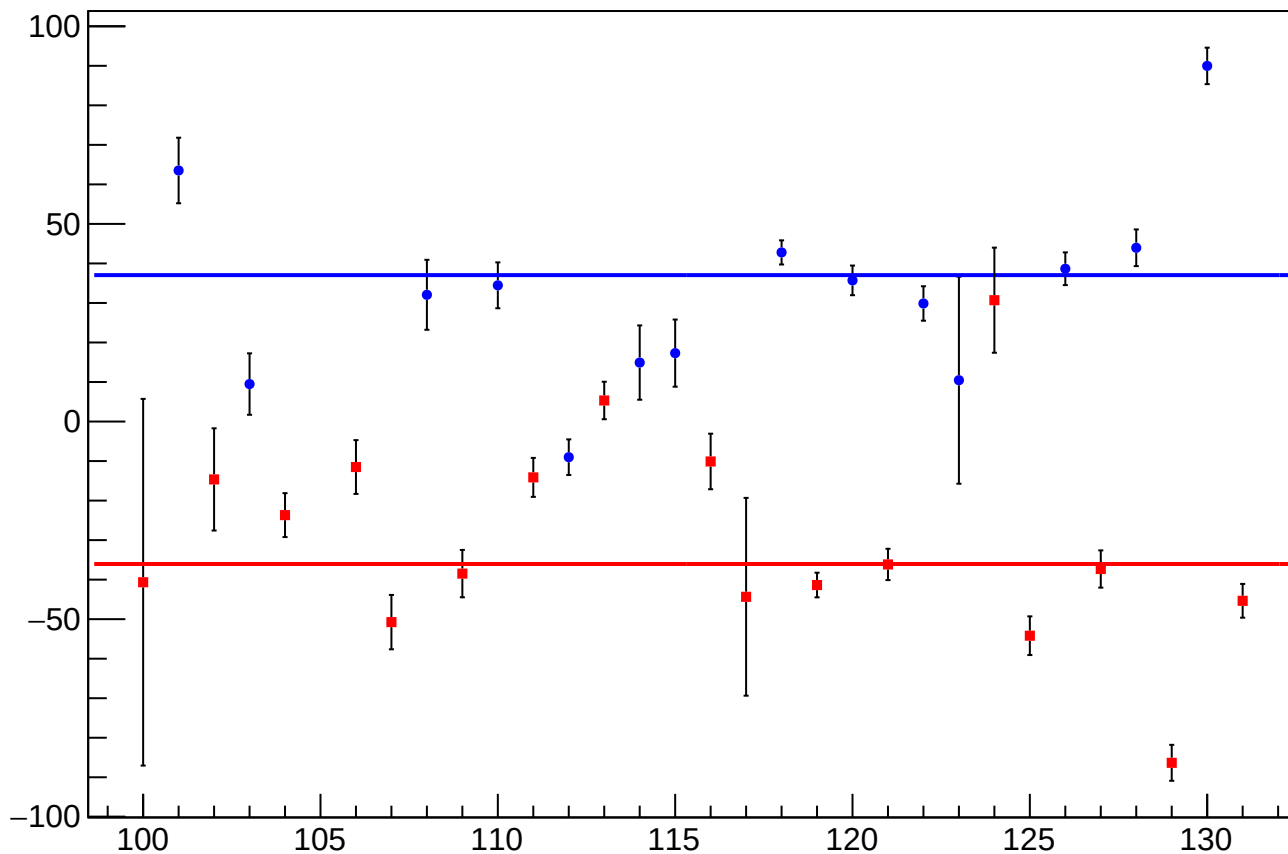
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

258.482+/-2.286  $\chi^2/\text{NDF}$ : 933.6/13

-19.241+/-1.532  $\chi^2/\text{NDF}$ : 29516.2/30

-245.272+/-2.063  $\chi^2/\text{NDF}$ : 1820.6/16

reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 37.045+/-1.371  $\chi^2/\text{NDF}$ : 280.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -36.043+/-1.314  $\chi^2/\text{NDF}$ : 303.9/16

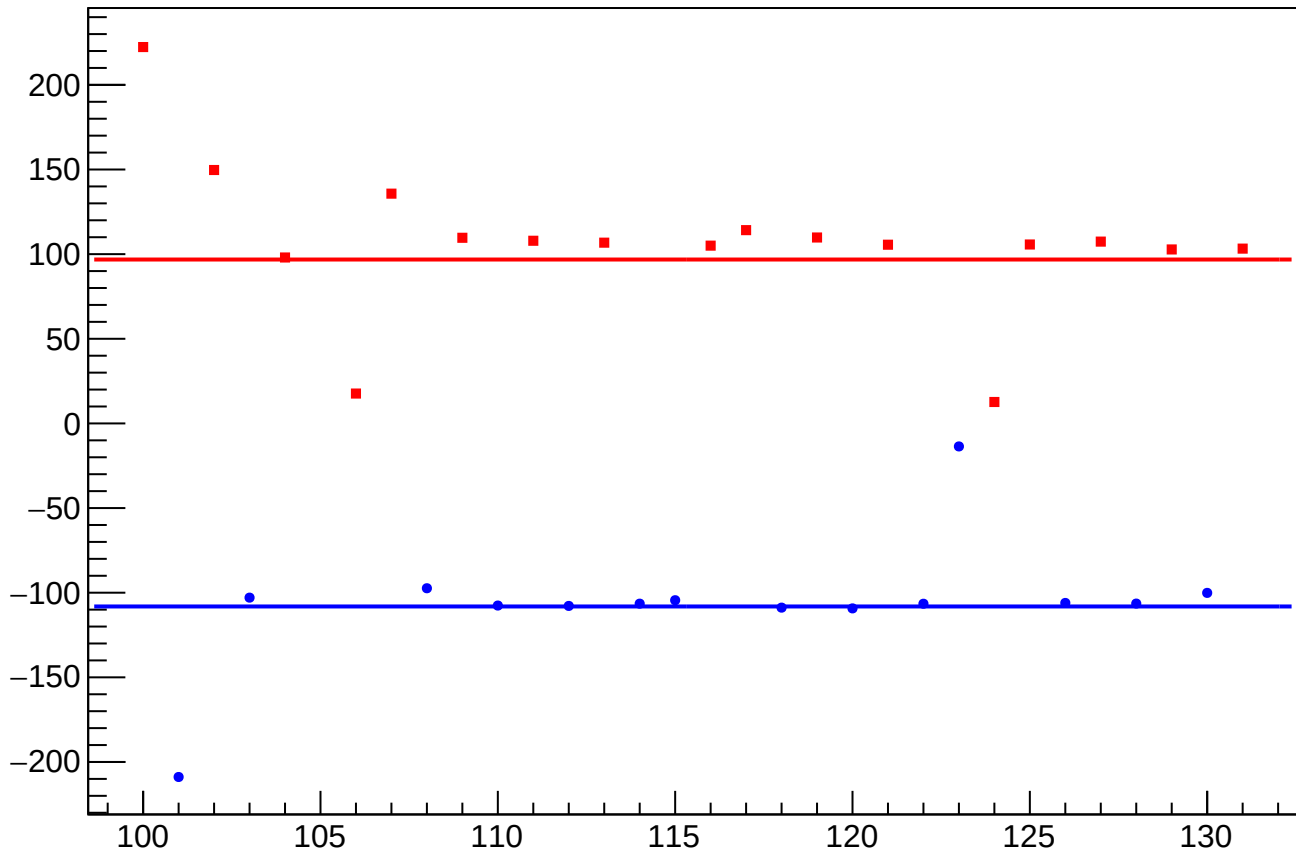
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

37.045+/-1.371  $\chi^2/\text{NDF}$ : 280.2/13

-1.038+/-0.949  $\chi^2/\text{NDF}$ : 2065.8/30

-36.043+/-1.314  $\chi^2/\text{NDF}$ : 303.9/16

reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -108.133+/-0.088  $\chi^2/\text{NDF}$ : 49638.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 96.824+/-0.078  $\chi^2/\text{NDF}$ : 212125.3/16

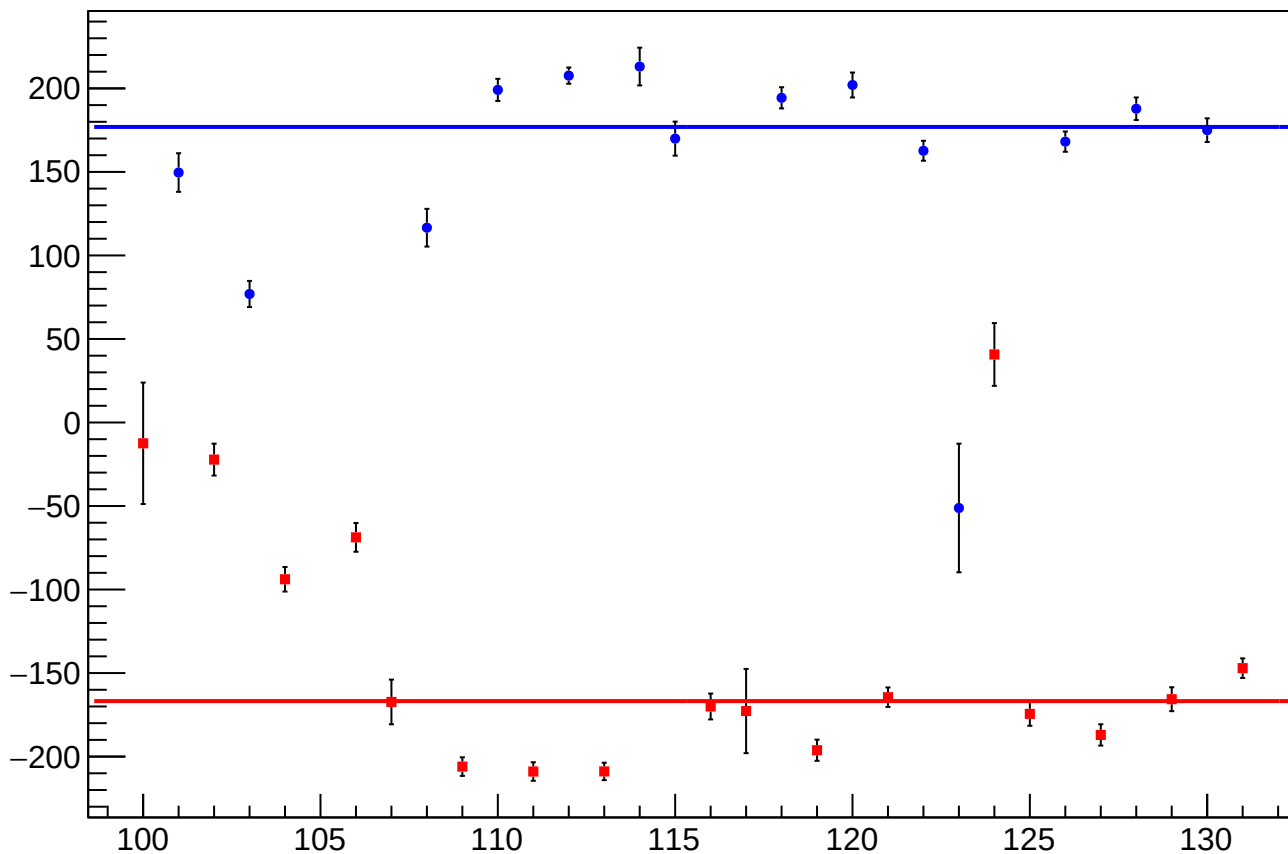
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-108.133+/-0.088  $\chi^2/\text{NDF}$ : 49638.6/13

6.413+/-0.058  $\chi^2/\text{NDF}$ : 3320618.1/30

96.824+/-0.078  $\chi^2/\text{NDF}$ : 212125.3/16

reg\_asym\_atr1l2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $176.929 \pm 1.980$   $\chi^2/\text{NDF}$ : 323.7/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-166.783 \pm 1.770$   $\chi^2/\text{NDF}$ : 815.4/16

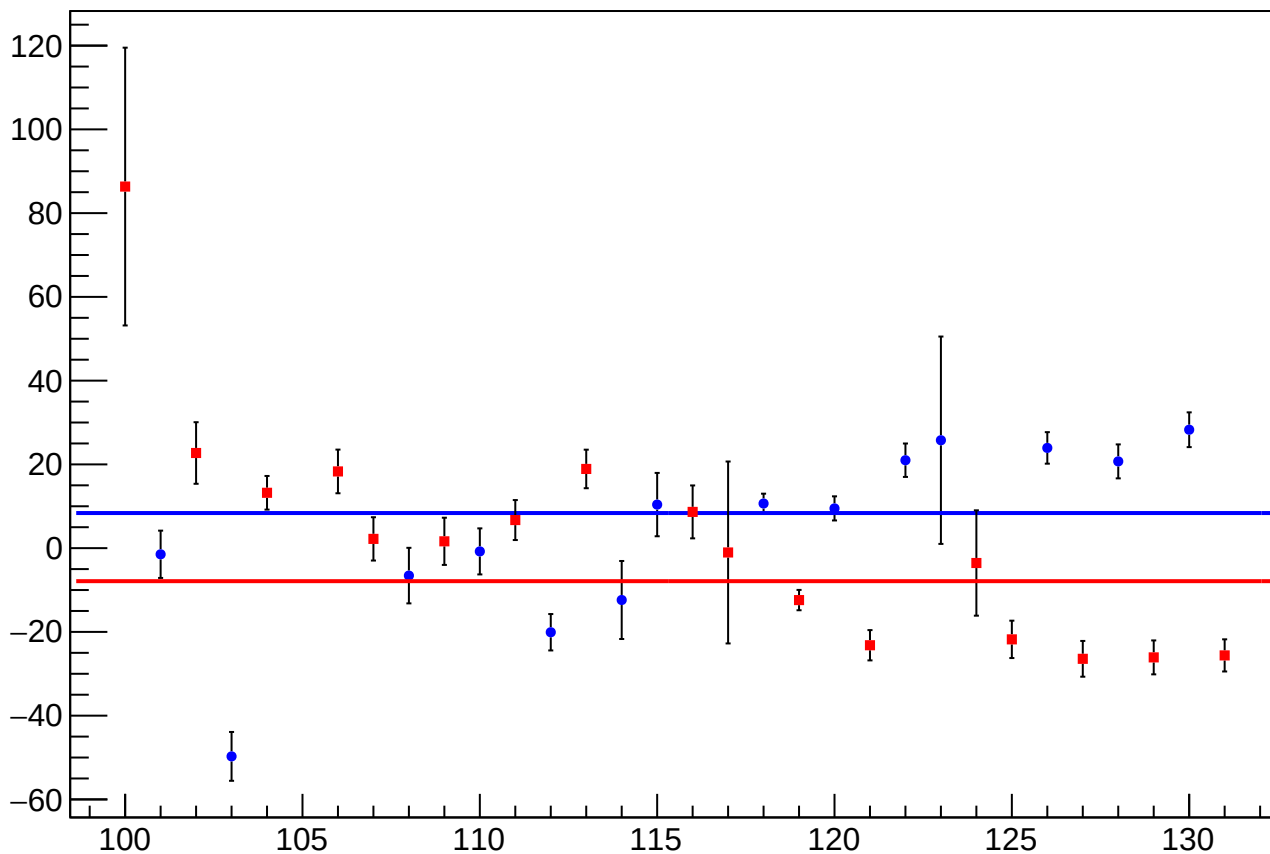
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$176.929 \pm 1.980$   $\chi^2/\text{NDF}$ : 323.7/13

$-14.166 \pm 1.319$   $\chi^2/\text{NDF}$ : 17890.6/30

$-166.783 \pm 1.770$   $\chi^2/\text{NDF}$ : 815.4/16

reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.384+/-1.151  $\chi^2/\text{NDF}$ : 219.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.885+/-1.124  $\chi^2/\text{NDF}$ : 226.7/16

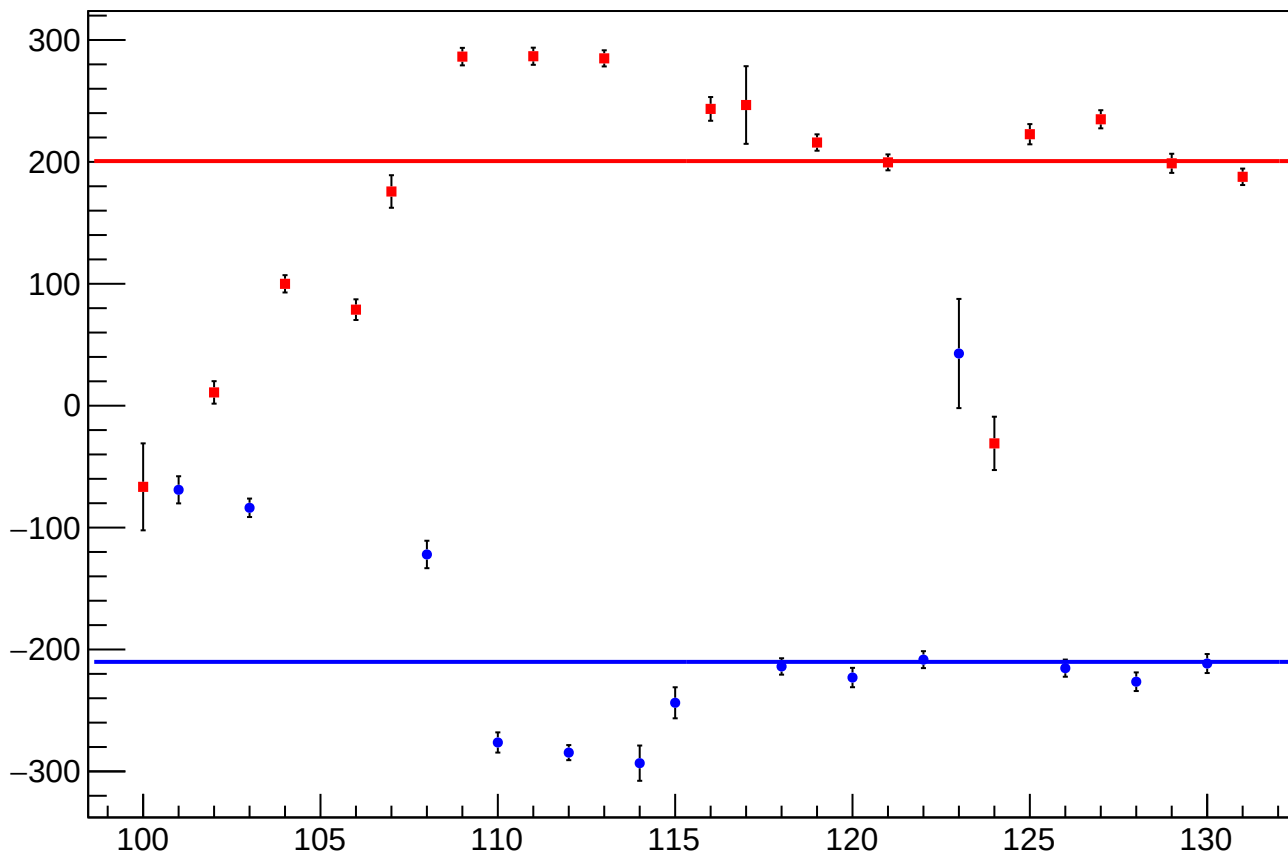
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

8.384+/-1.151  $\chi^2/\text{NDF}$ : 219.0/13

0.054+/-0.804  $\chi^2/\text{NDF}$ : 547.9/30

-7.885+/-1.124  $\chi^2/\text{NDF}$ : 226.7/16

reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -210.159+/-2.247  $\chi^2$ /NDF: 789.0/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 200.662+/-2.022  $\chi^2$ /NDF: 1516.0/16

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

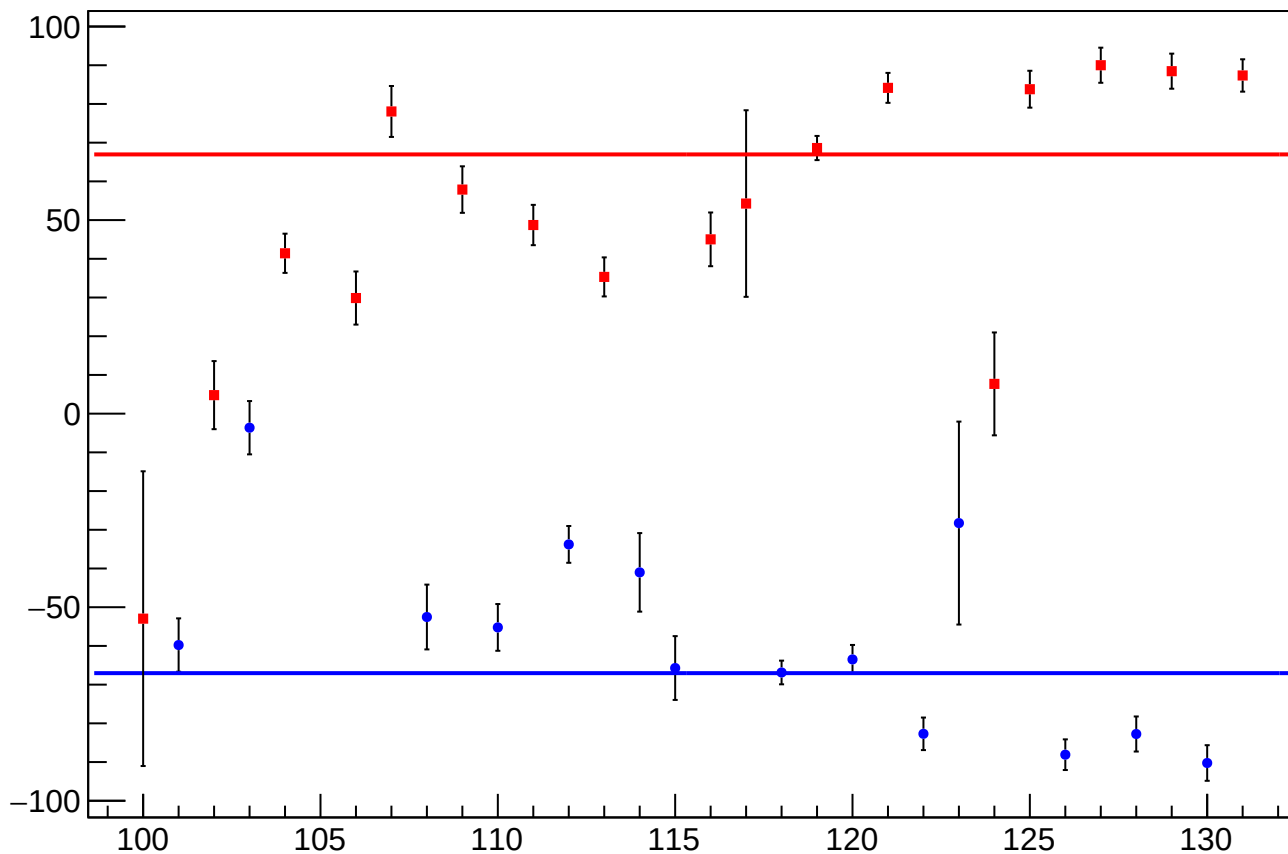
-210.159+/-2.247  $\chi^2$ /NDF: 789.0/13

16.812+/-1.503  $\chi^2$ /NDF: 20770.6/30

200.662+/-2.022  $\chi^2$ /NDF: 1516.0/16



reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -67.032 $\pm$ 1.350  $\chi^2$ /NDF: 231.1/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 66.964 $\pm$ 1.294  $\chi^2$ /NDF: 306.2/16

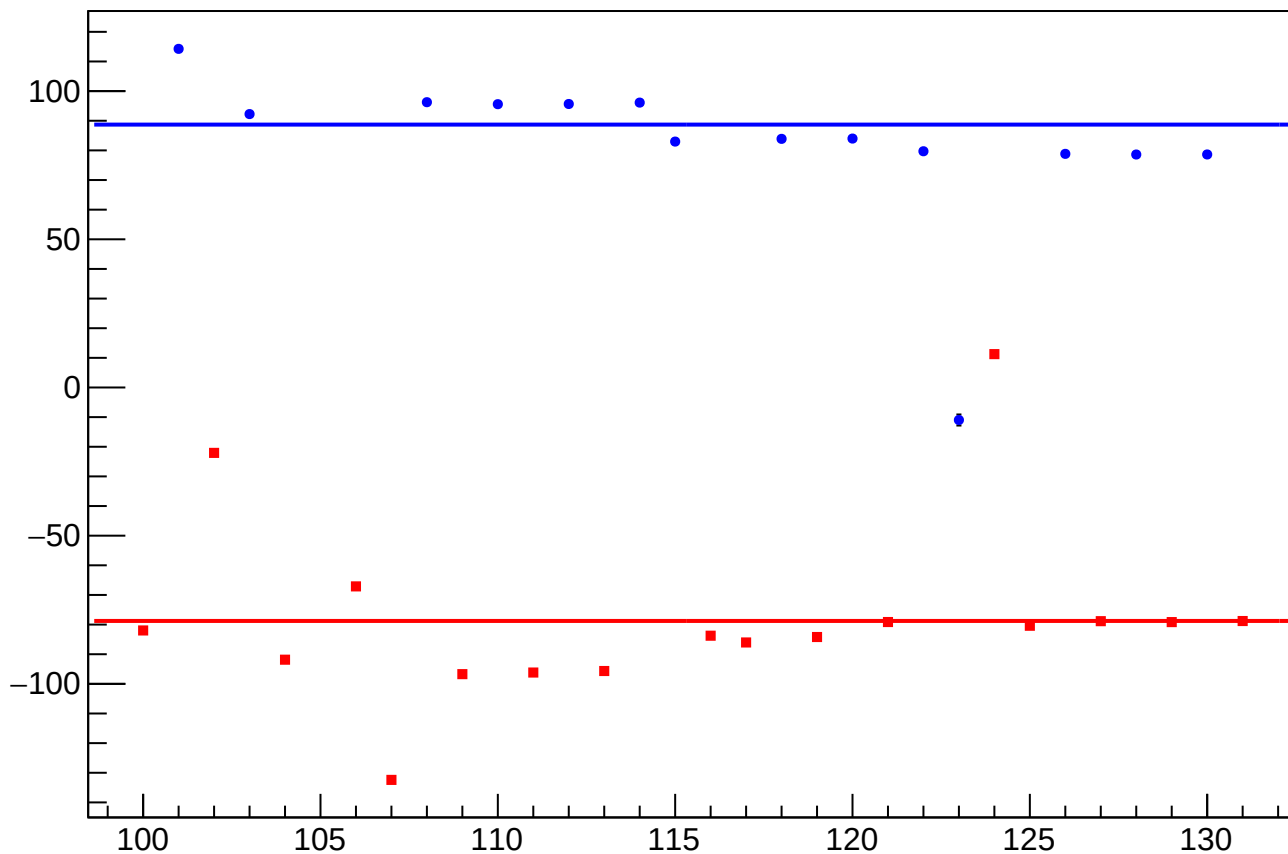
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-67.032 $\pm$ 1.350  $\chi^2$ /NDF: 231.1/13

2.786 $\pm$ 0.934  $\chi^2$ /NDF: 5671.5/30

66.964 $\pm$ 1.294  $\chi^2$ /NDF: 306.2/16

reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 88.700+/-0.084  $\chi^2/\text{NDF}$ : 13631.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -78.772+/-0.074  $\chi^2/\text{NDF}$ : 128993.7/16

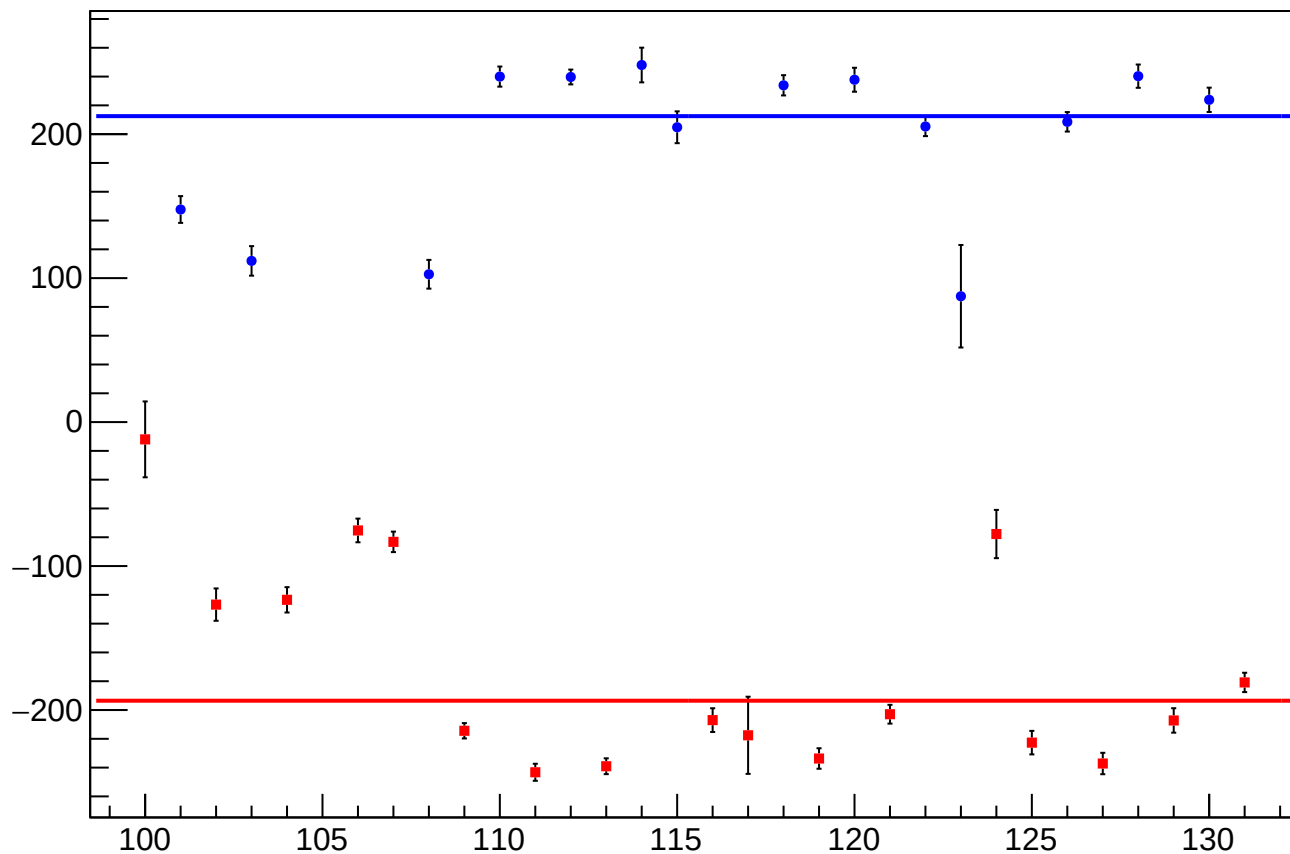
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

88.700+/-0.084  $\chi^2/\text{NDF}$ : 13631.8/13

-5.709+/-0.055  $\chi^2/\text{NDF}$ : 2384680.8/30

-78.772+/-0.074  $\chi^2/\text{NDF}$ : 128993.7/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 212.514+/-2.166  $\chi^2/\text{NDF}$ : 364.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -193.538+/-1.871  $\chi^2/\text{NDF}$ : 886.4/16

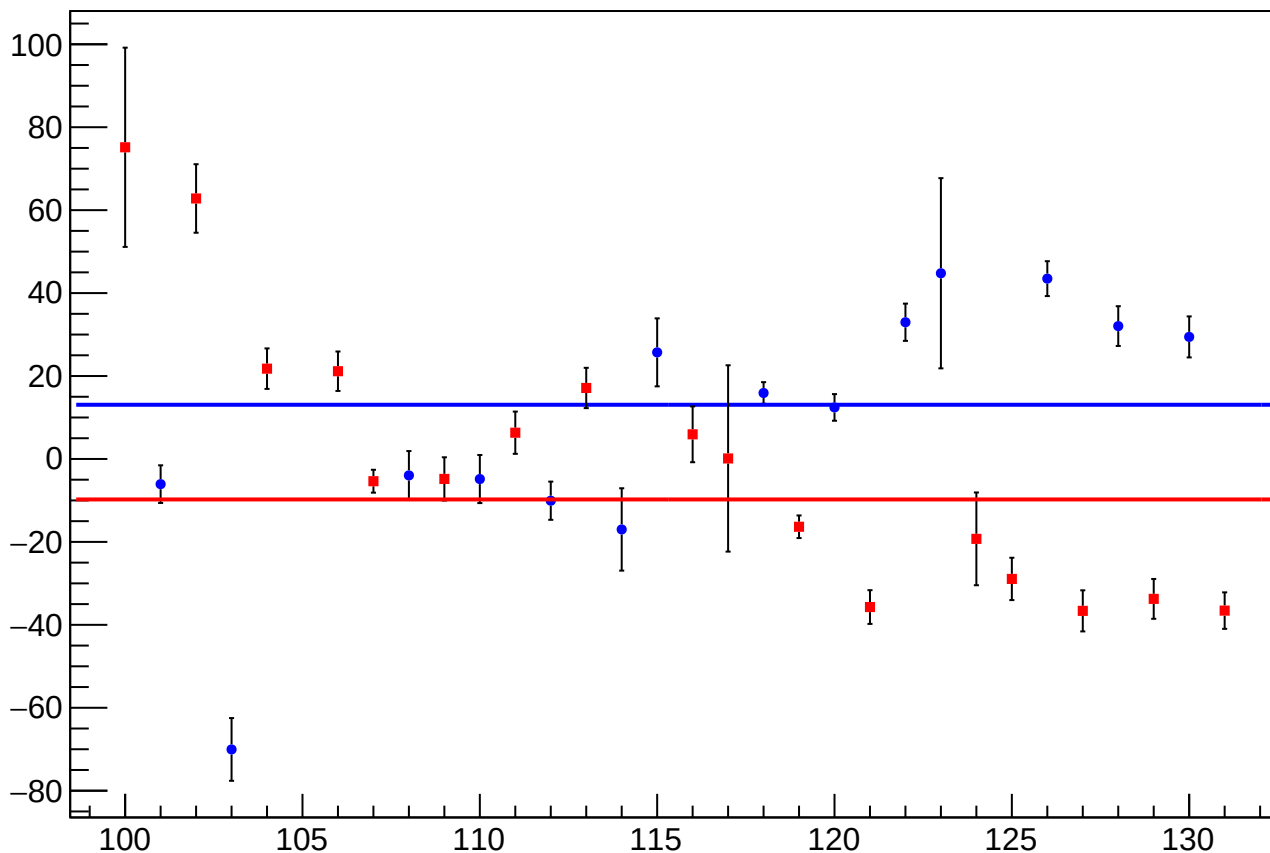
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

212.514+/-2.166  $\chi^2/\text{NDF}$ : 364.2/13

-19.969+/-1.416  $\chi^2/\text{NDF}$ : 21378.1/30

-193.538+/-1.871  $\chi^2/\text{NDF}$ : 886.4/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 13.070 $\pm$ 1.257  $\chi^2$ /NDF: 295.0/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -9.763 $\pm$ 1.152  $\chi^2$ /NDF: 376.2/16

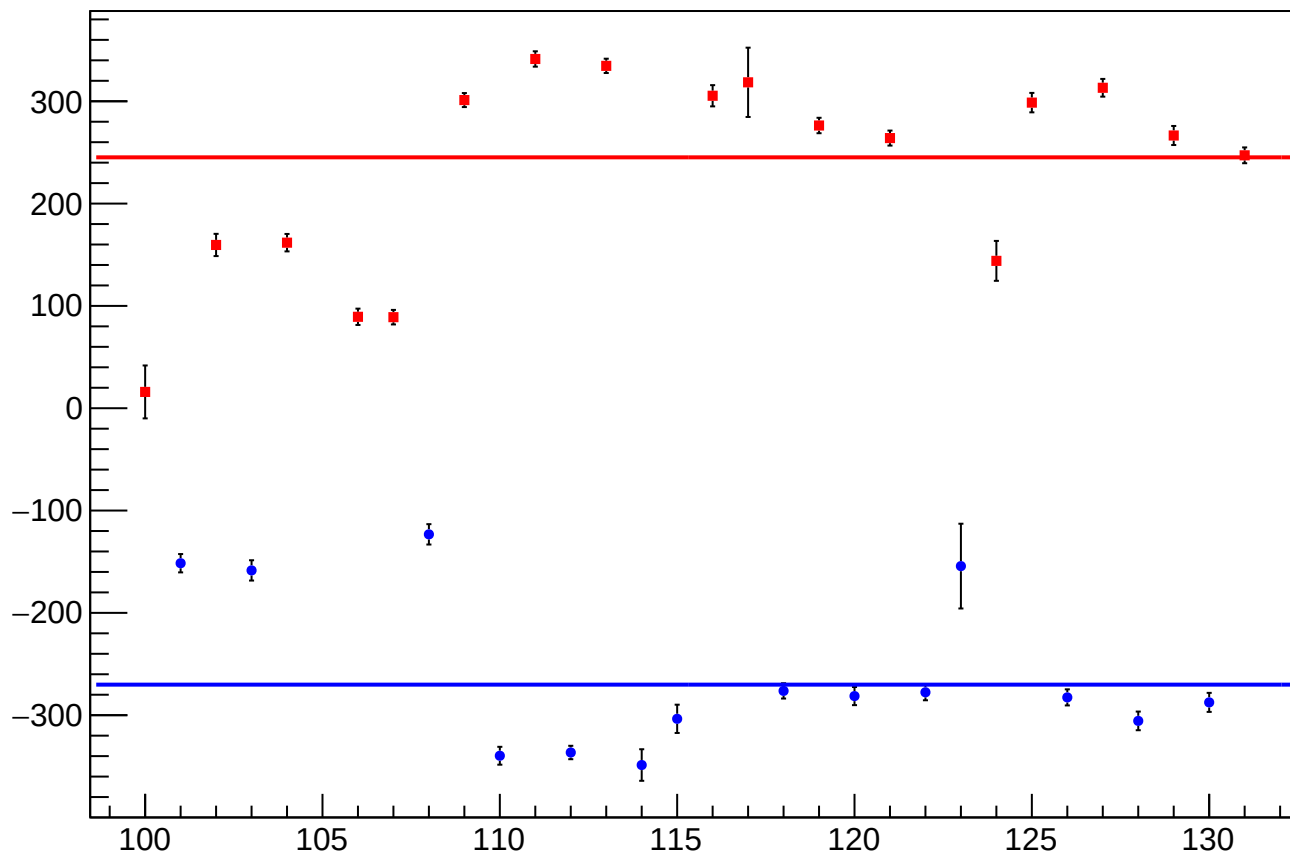
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

13.070 $\pm$ 1.257  $\chi^2$ /NDF: 295.0/13

0.668 $\pm$ 0.849  $\chi^2$ /NDF: 850.5/30

-9.763 $\pm$ 1.152  $\chi^2$ /NDF: 376.2/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -270.143+/-2.455  $\chi^2$ /NDF: 749.3/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 245.199+/-2.129  $\chi^2$ /NDF: 1683.9/16

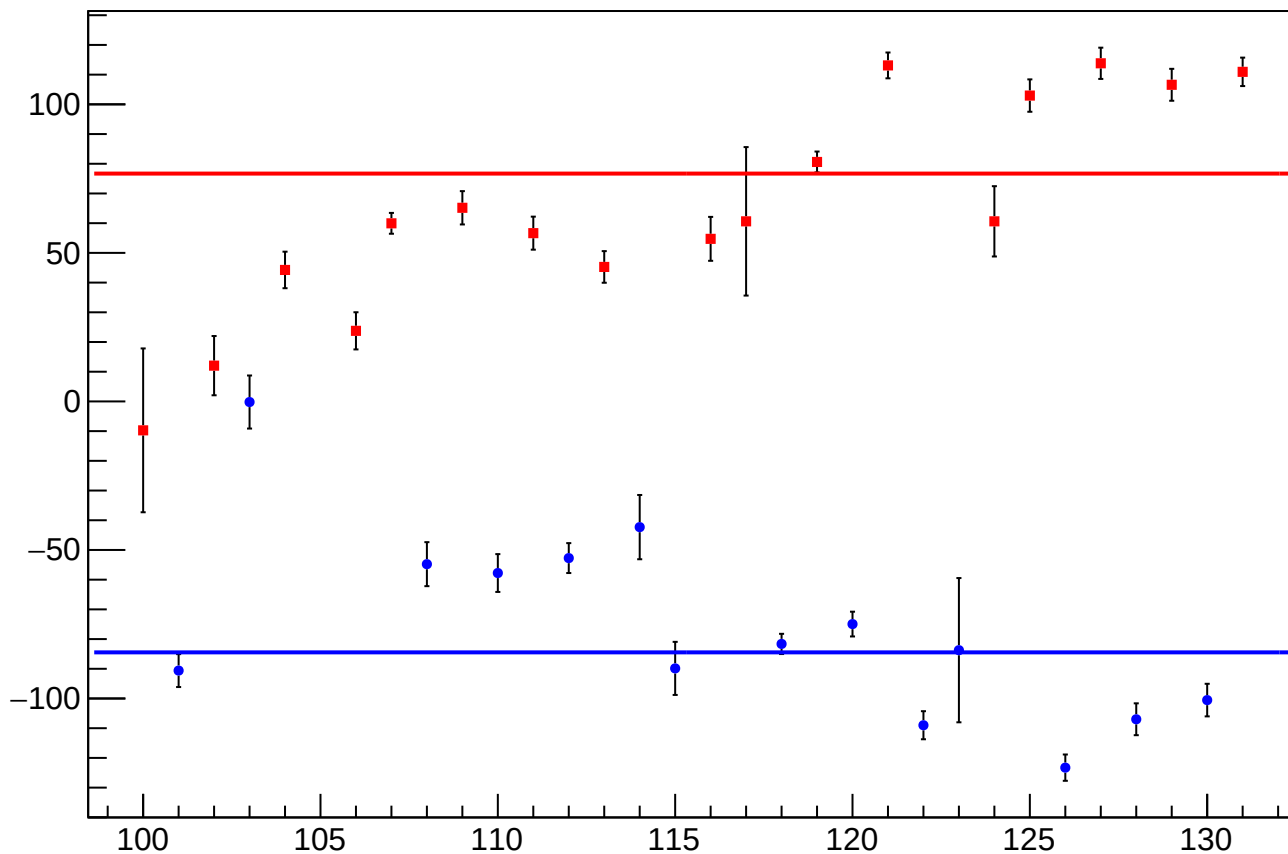
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-270.143+/-2.455  $\chi^2$ /NDF: 749.3/13

23.931+/-1.609  $\chi^2$ /NDF: 27580.1/30

245.199+/-2.129  $\chi^2$ /NDF: 1683.9/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-84.472 \pm 1.478$   $\chi^2/\text{NDF}$ : 315.2/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $76.694 \pm 1.344$   $\chi^2/\text{NDF}$ : 463.9/16

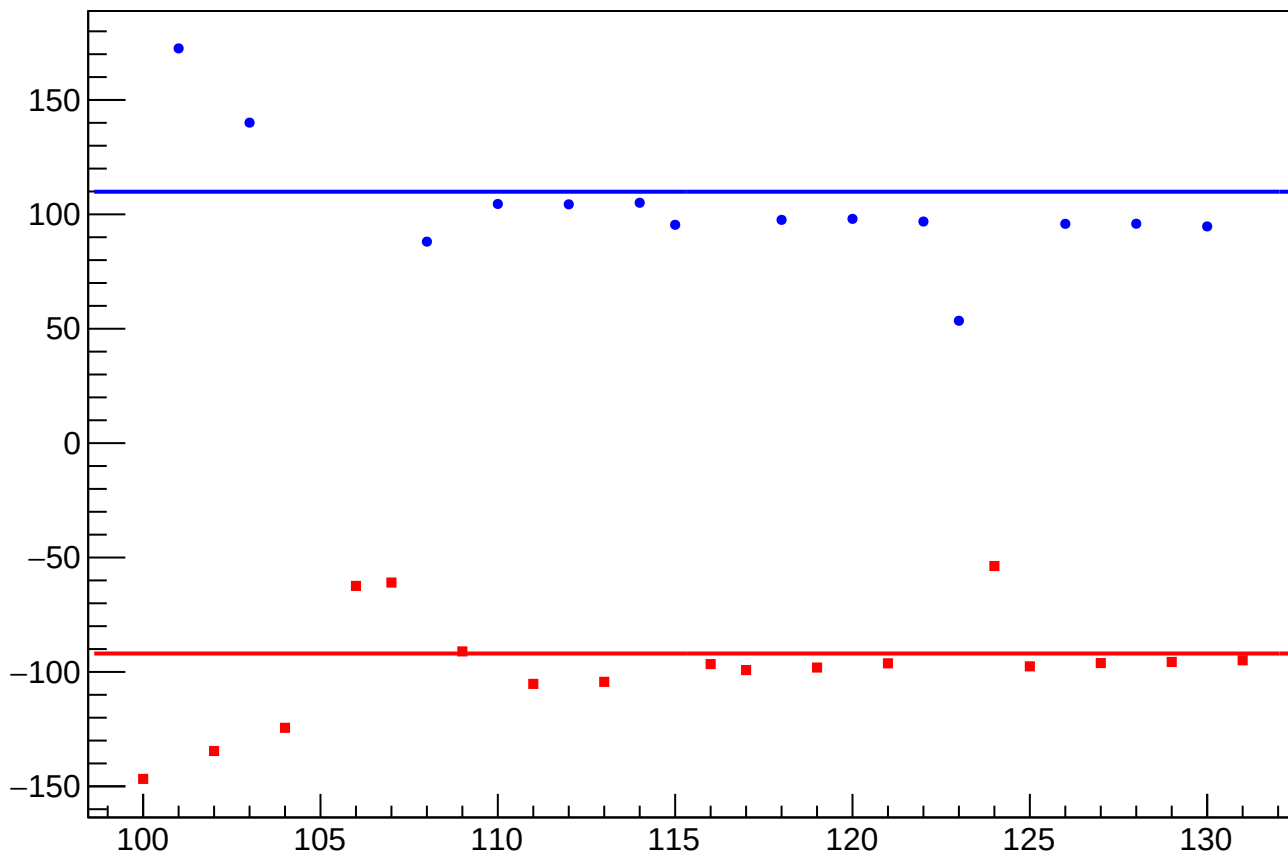
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-84.472 \pm 1.478$   $\chi^2/\text{NDF}$ : 315.2/13

$3.728 \pm 0.994$   $\chi^2/\text{NDF}$ : 7288.7/30

$76.694 \pm 1.344$   $\chi^2/\text{NDF}$ : 463.9/16

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 109.893+/-0.092  $\chi^2/\text{NDF}$ : 76158.6/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -91.947+/-0.075  $\chi^2/\text{NDF}$ : 116292.6/16

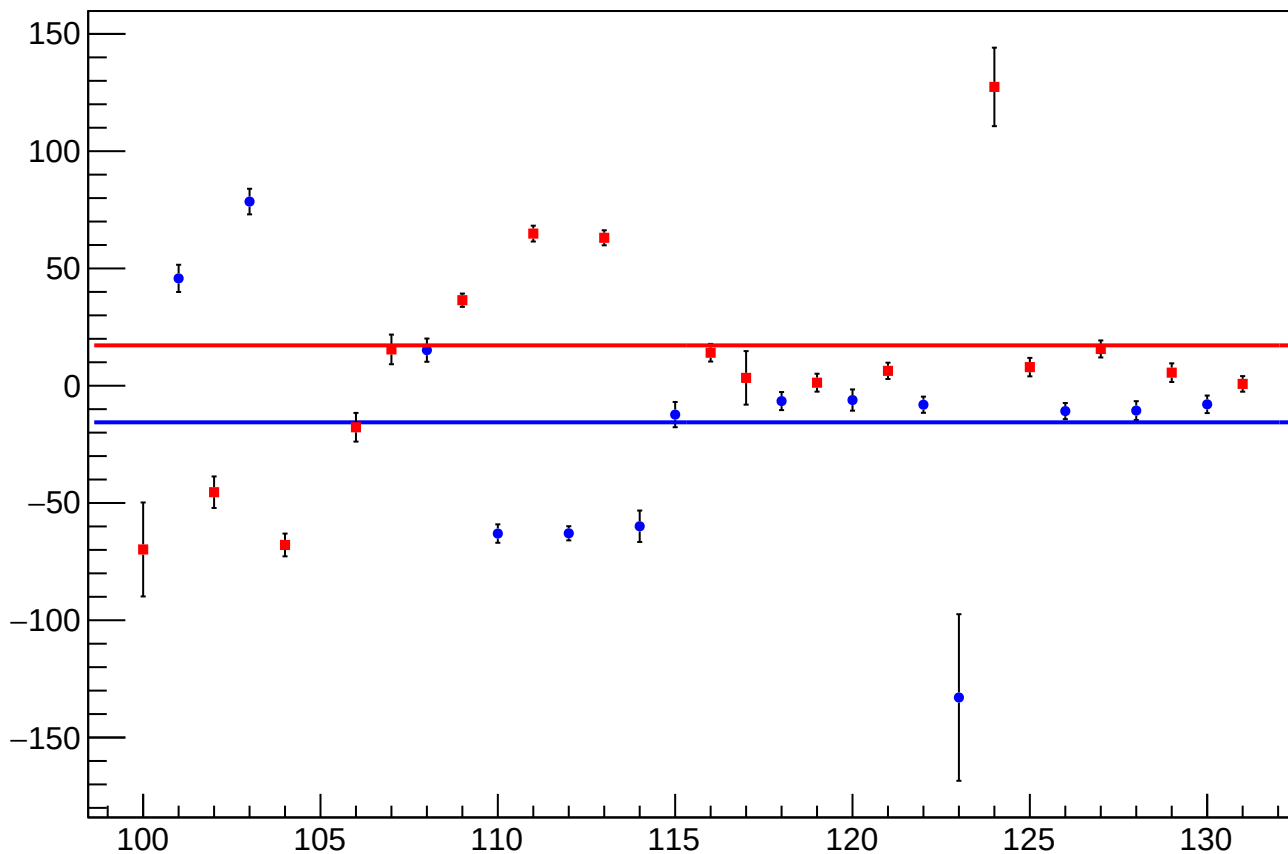
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

109.893+/-0.092  $\chi^2/\text{NDF}$ : 76158.6/13

-11.635+/-0.058  $\chi^2/\text{NDF}$ : 3095239.6/30

-91.947+/-0.075  $\chi^2/\text{NDF}$ : 116292.6/16

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -15.607+/-1.152  $\chi^2/\text{NDF}$ : 915.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 17.204+/-1.022  $\chi^2/\text{NDF}$ : 1007.5/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

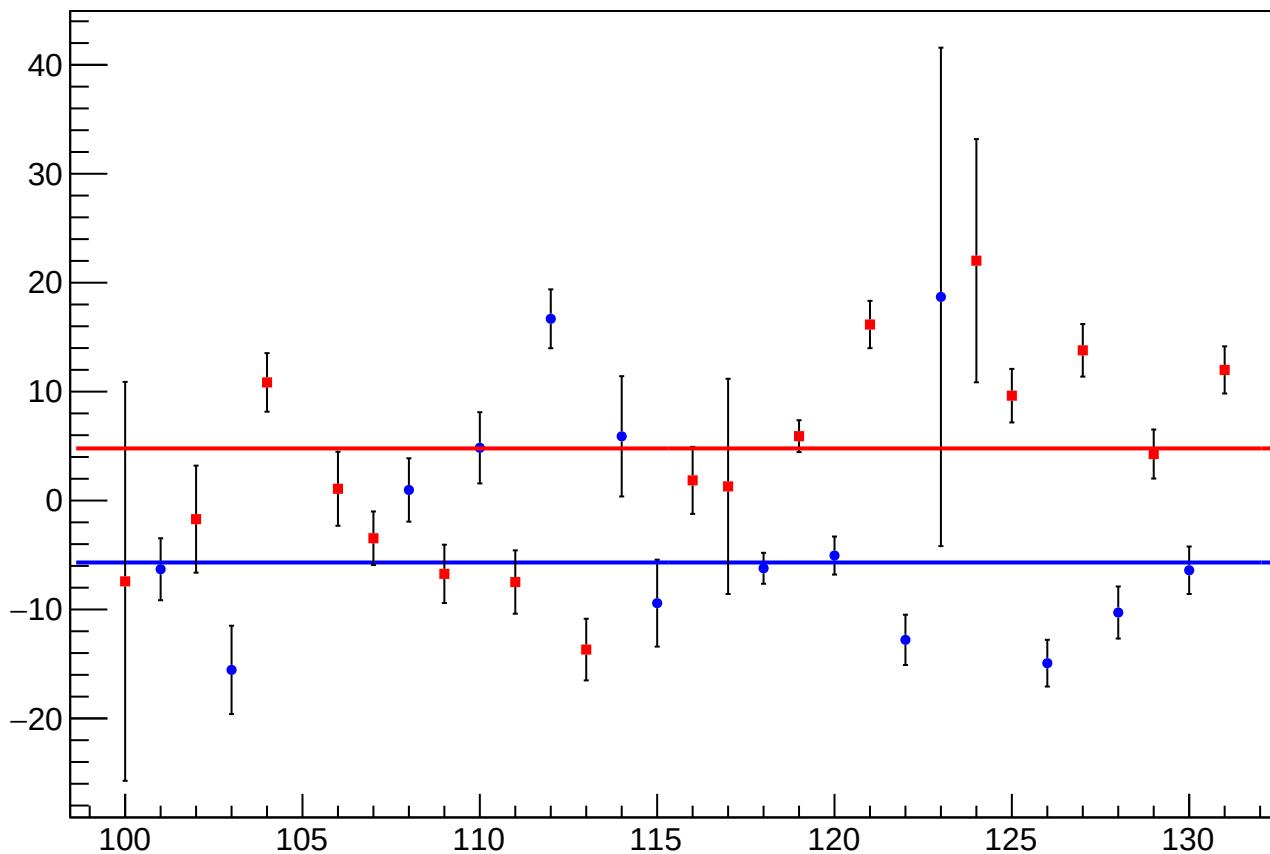
-15.607+/-1.152  $\chi^2/\text{NDF}$ : 915.9/13

2.742+/-0.765  $\chi^2/\text{NDF}$ : 2377.2/30

17.204+/-1.022  $\chi^2/\text{NDF}$ : 1007.5/16



reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -5.686+/-0.668  $\chi^2/\text{NDF}$ : 128.5/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.785+/-0.650  $\chi^2/\text{NDF}$ : 159.0/16

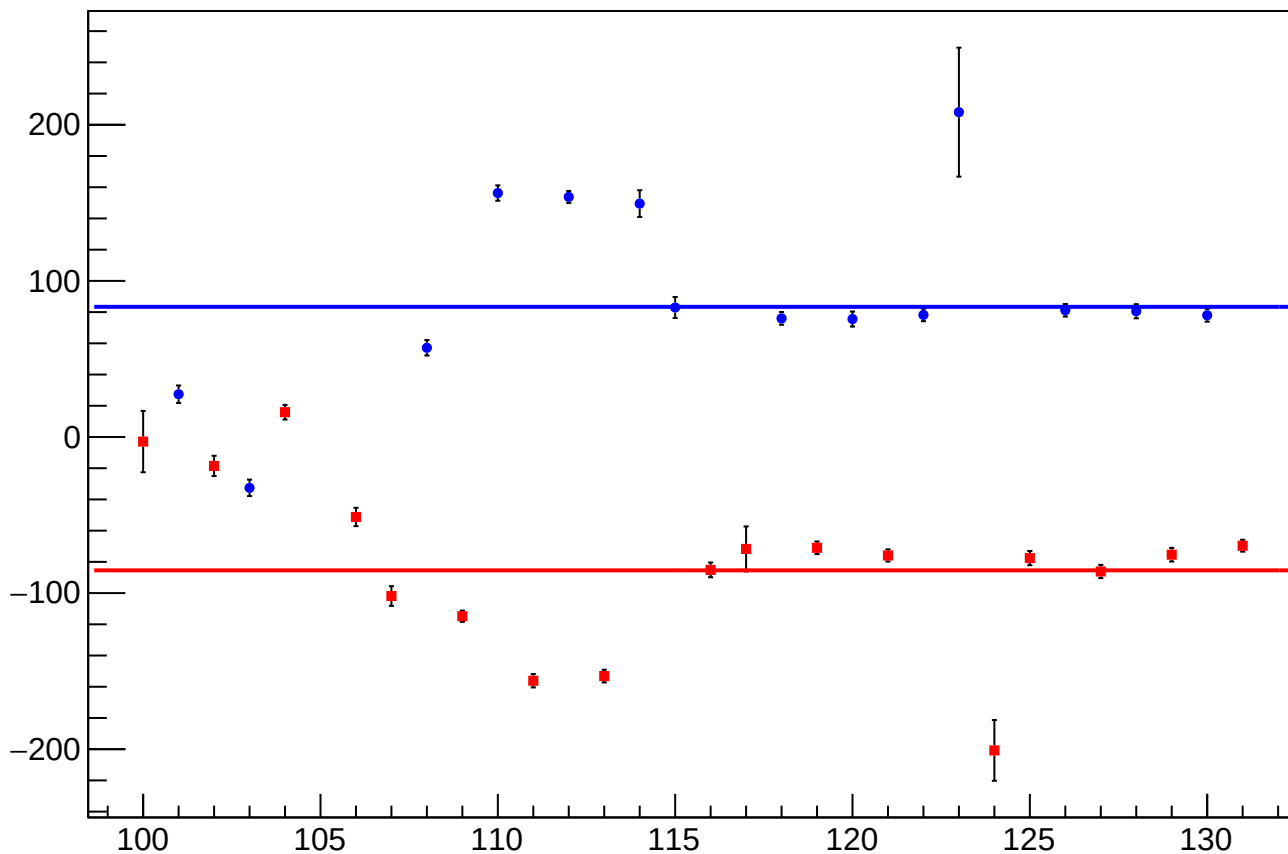
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-5.686+/-0.668  $\chi^2/\text{NDF}$ : 128.5/13

-0.307+/-0.466  $\chi^2/\text{NDF}$ : 413.9/30

4.785+/-0.650  $\chi^2/\text{NDF}$ : 159.0/16

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 83.380+/-1.303  $\chi^2$ /NDF: 1244.1/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -85.430+/-1.178  $\chi^2$ /NDF: 1324.7/16

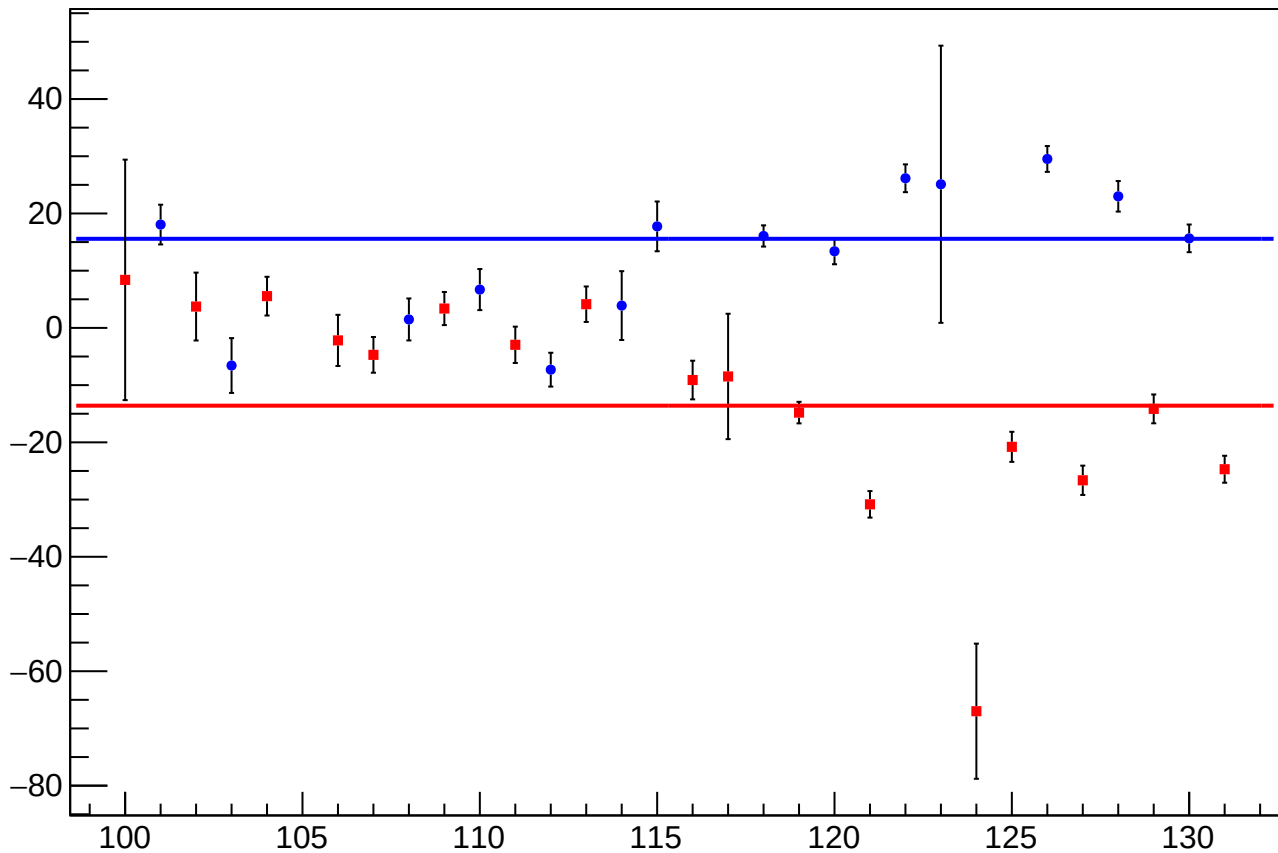
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

83.380+/-1.303  $\chi^2$ /NDF: 1244.1/13

-9.504+/-0.874  $\chi^2$ /NDF: 11805.0/30

-85.430+/-1.178  $\chi^2$ /NDF: 1324.7/16

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 15.573+/-0.782  $\chi^2$ /NDF: 172.7/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -13.590+/-0.745  $\chi^2$ /NDF: 268.4/16

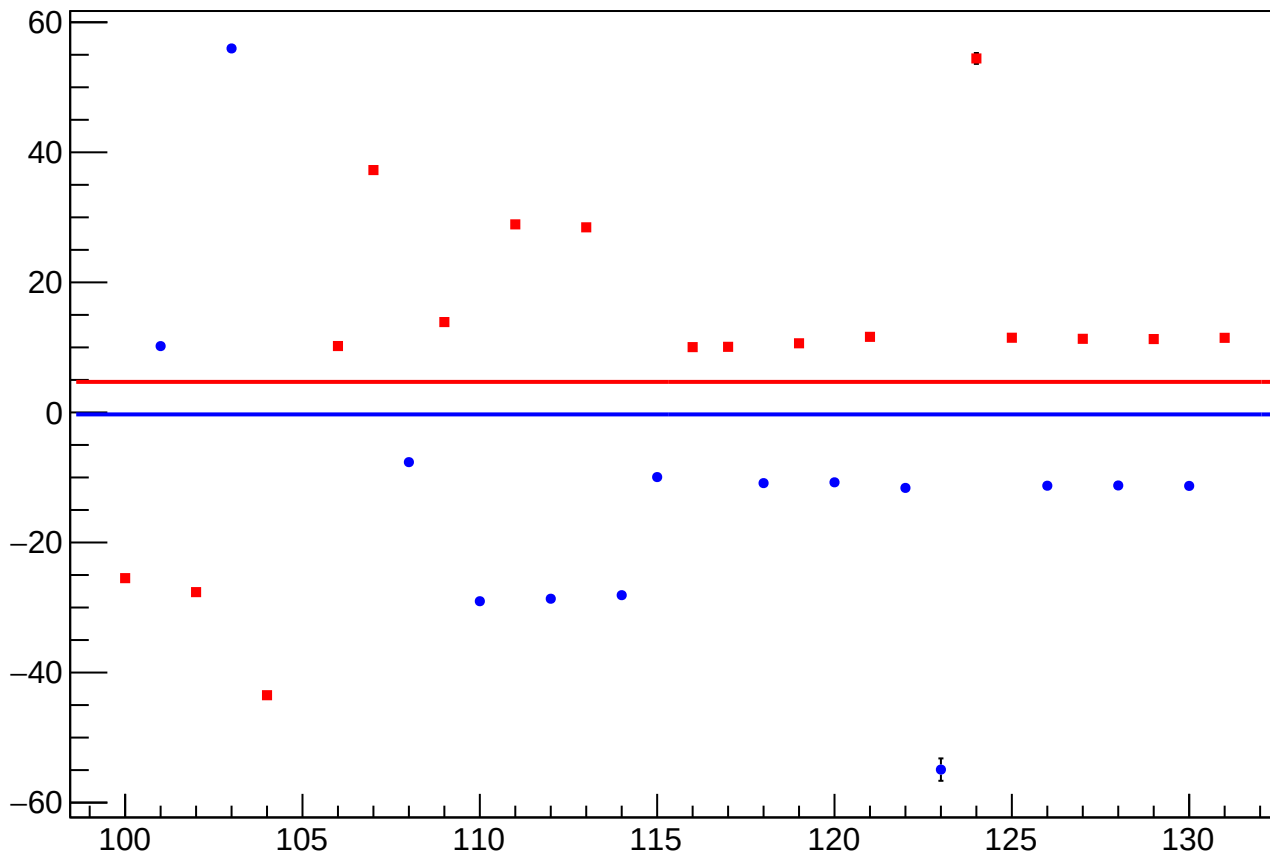
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

15.573+/-0.782  $\chi^2$ /NDF: 172.7/13

0.299+/-0.539  $\chi^2$ /NDF: 1170.1/30

-13.590+/-0.745  $\chi^2$ /NDF: 268.4/16

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.303+/-0.048  $\chi^2/\text{NDF}$ : 301117.8/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.698+/-0.045  $\chi^2/\text{NDF}$ : 308537.6/16

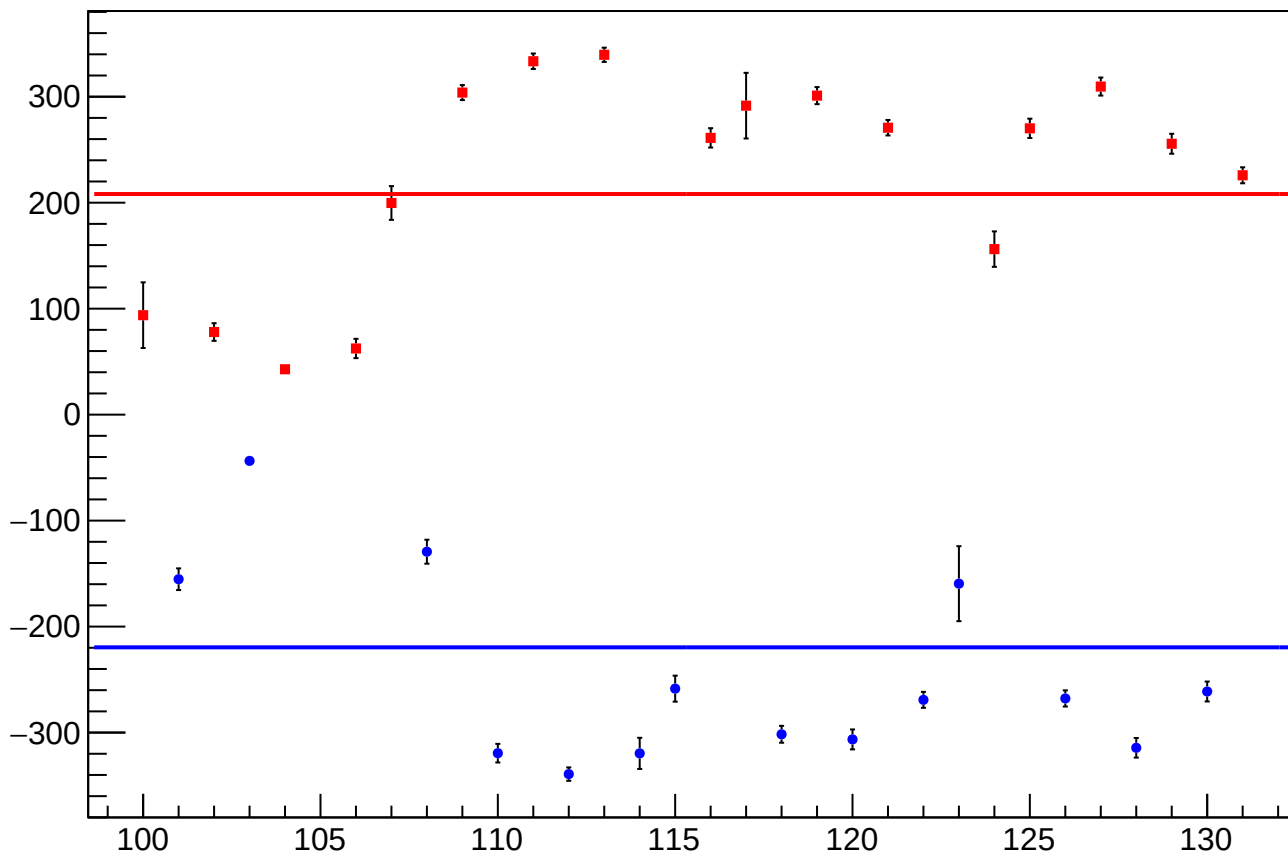
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.303+/-0.048  $\chi^2/\text{NDF}$ : 301117.8/13

2.404+/-0.033  $\chi^2/\text{NDF}$ : 615425.0/30

4.698+/-0.045  $\chi^2/\text{NDF}$ : 308537.6/16

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -219.576+/-2.210  $\chi^2$ /NDF: 2670.3/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 208.161+/-1.979  $\chi^2$ /NDF: 3425.2/16

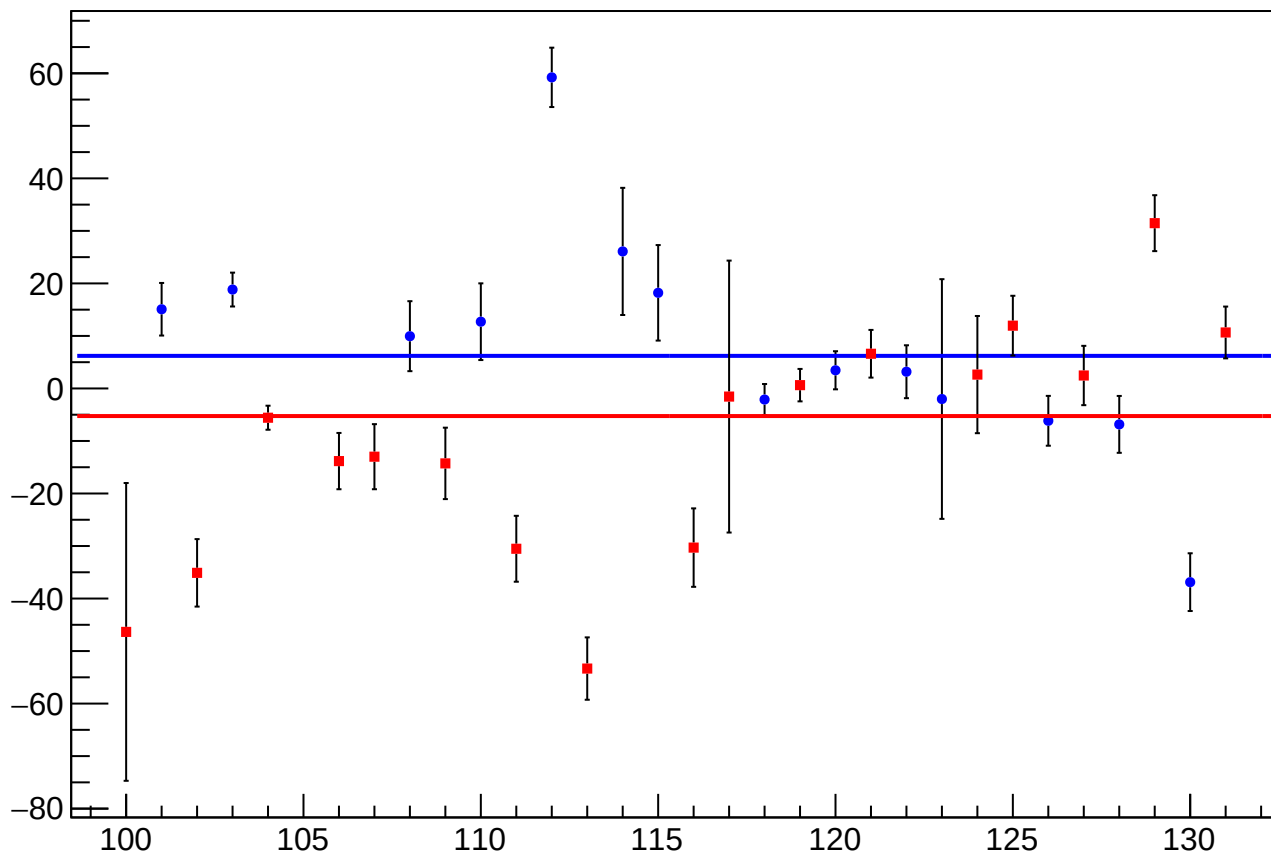
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-219.576+/-2.210  $\chi^2$ /NDF: 2670.3/13

17.859+/-1.474  $\chi^2$ /NDF: 26888.9/30

208.161+/-1.979  $\chi^2$ /NDF: 3425.2/16

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.204+/-1.323  $\chi^2/\text{NDF}$ : 195.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.256+/-1.220  $\chi^2/\text{NDF}$ : 202.6/16

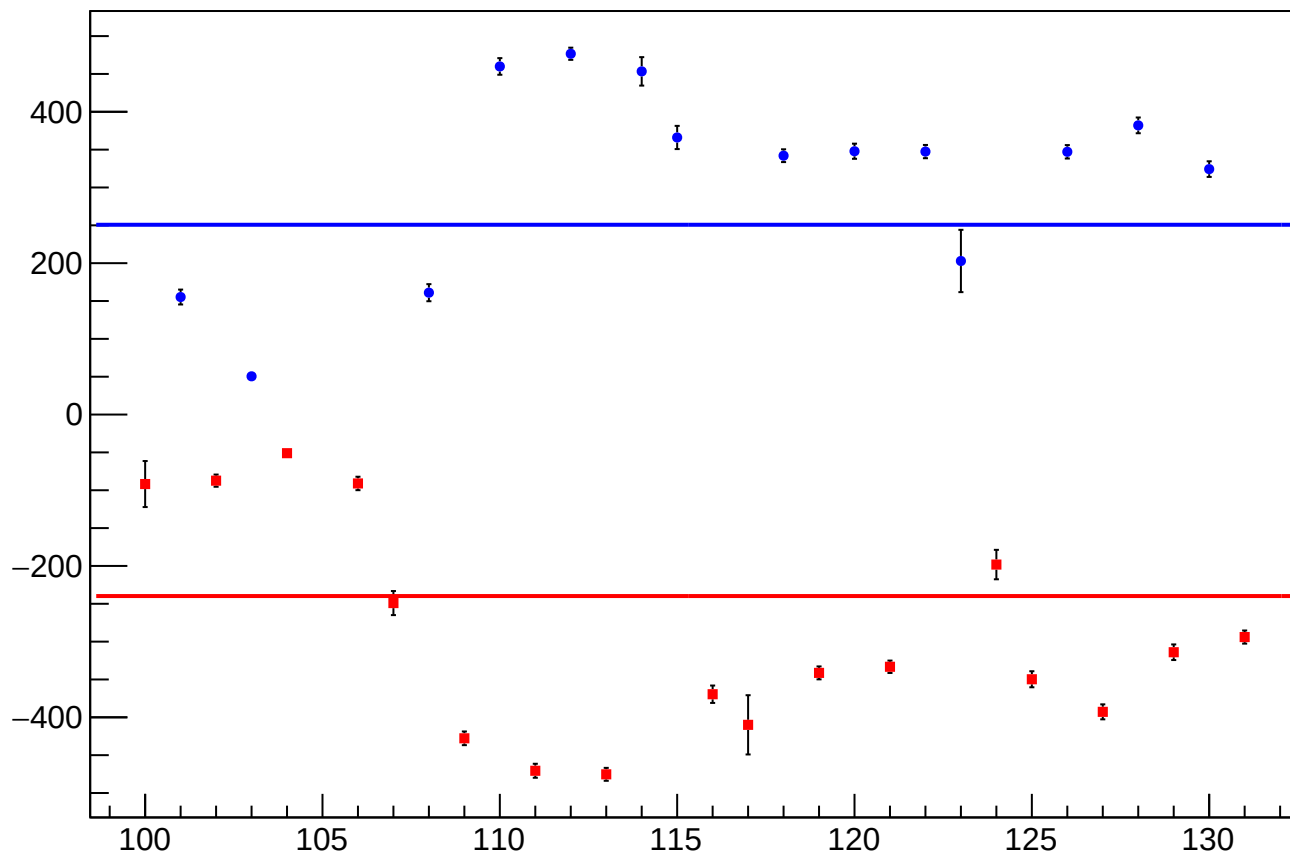
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.204+/-1.323  $\chi^2/\text{NDF}$ : 195.0/13

0.008+/-0.897  $\chi^2/\text{NDF}$ : 438.2/30

-5.256+/-1.220  $\chi^2/\text{NDF}$ : 202.6/16

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 250.742 $\pm$ 2.399  $\chi^2$ /NDF: 4386.2/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -239.782 $\pm$ 2.164  $\chi^2$ /NDF: 5526.9/16

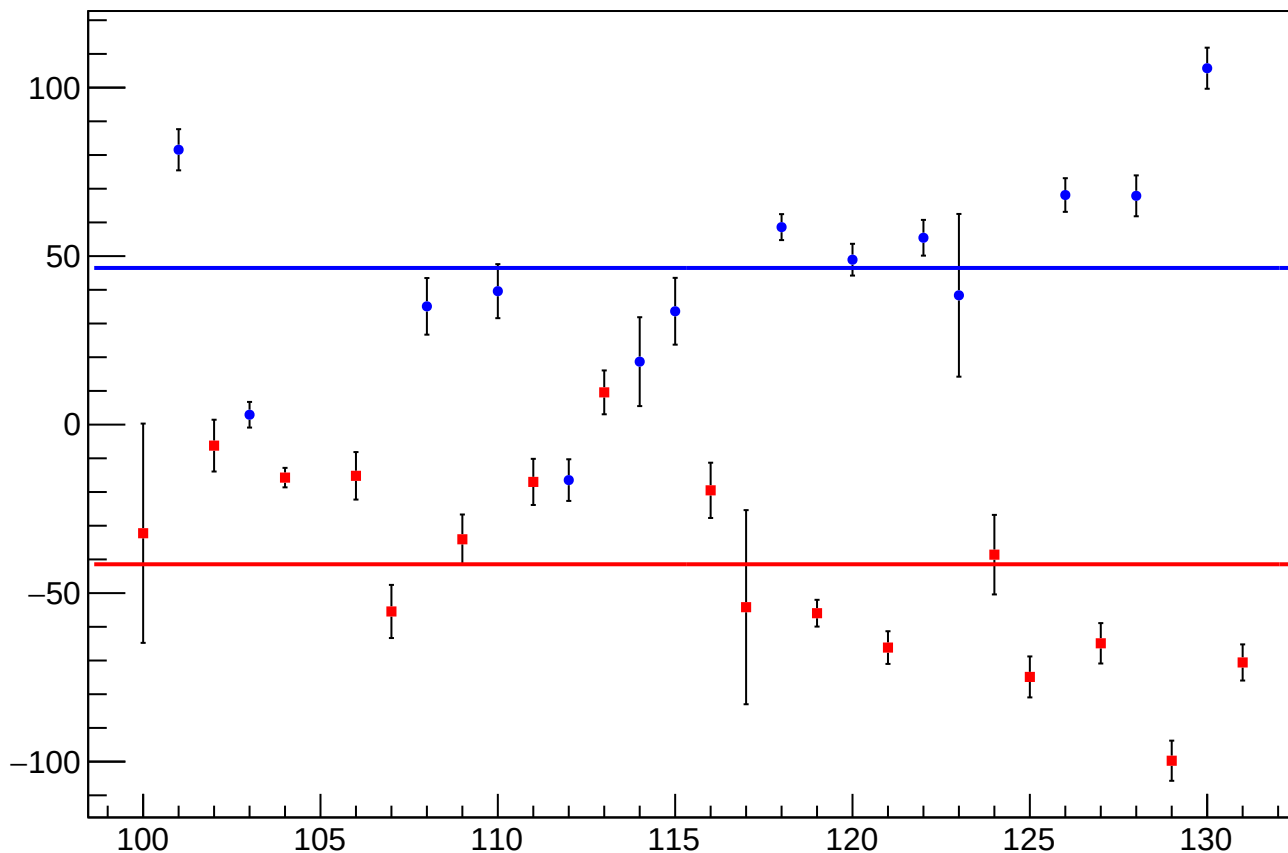
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

250.742 $\pm$ 2.399  $\chi^2$ /NDF: 4386.2/13

-19.660 $\pm$ 1.607  $\chi^2$ /NDF: 32968.8/30

-239.782 $\pm$ 2.164  $\chi^2$ /NDF: 5526.9/16

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 46.488+/-1.559  $\chi^2/\text{NDF}$ : 415.3/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -41.441+/-1.437  $\chi^2/\text{NDF}$ : 410.1/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

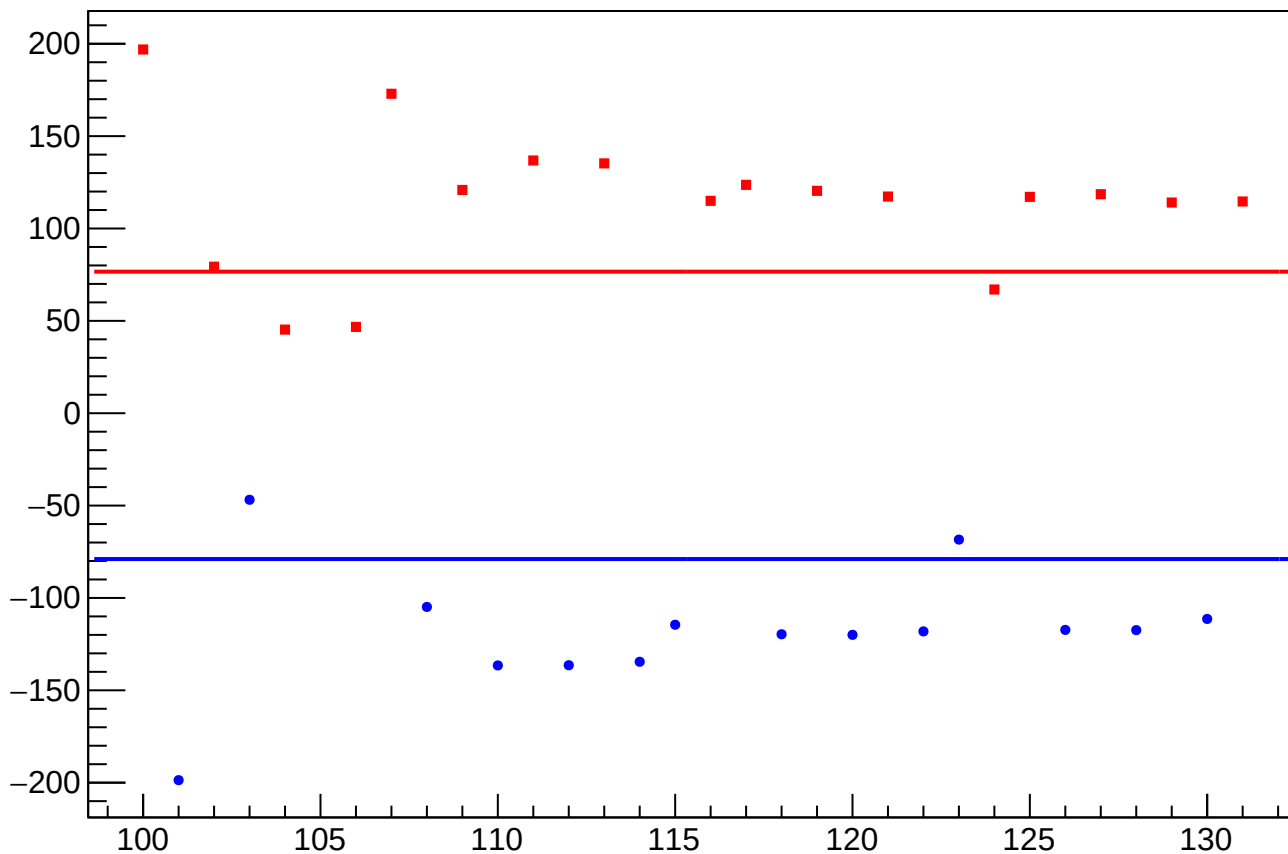
46.488+/-1.559  $\chi^2/\text{NDF}$ : 415.3/13

-1.048+/-1.057  $\chi^2/\text{NDF}$ : 2545.3/30

-41.441+/-1.437  $\chi^2/\text{NDF}$ : 410.1/16



reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -78.943+/-0.073  $\chi^2/\text{NDF}$ : 337222.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 76.635+/-0.069  $\chi^2/\text{NDF}$ : 317481.6/16

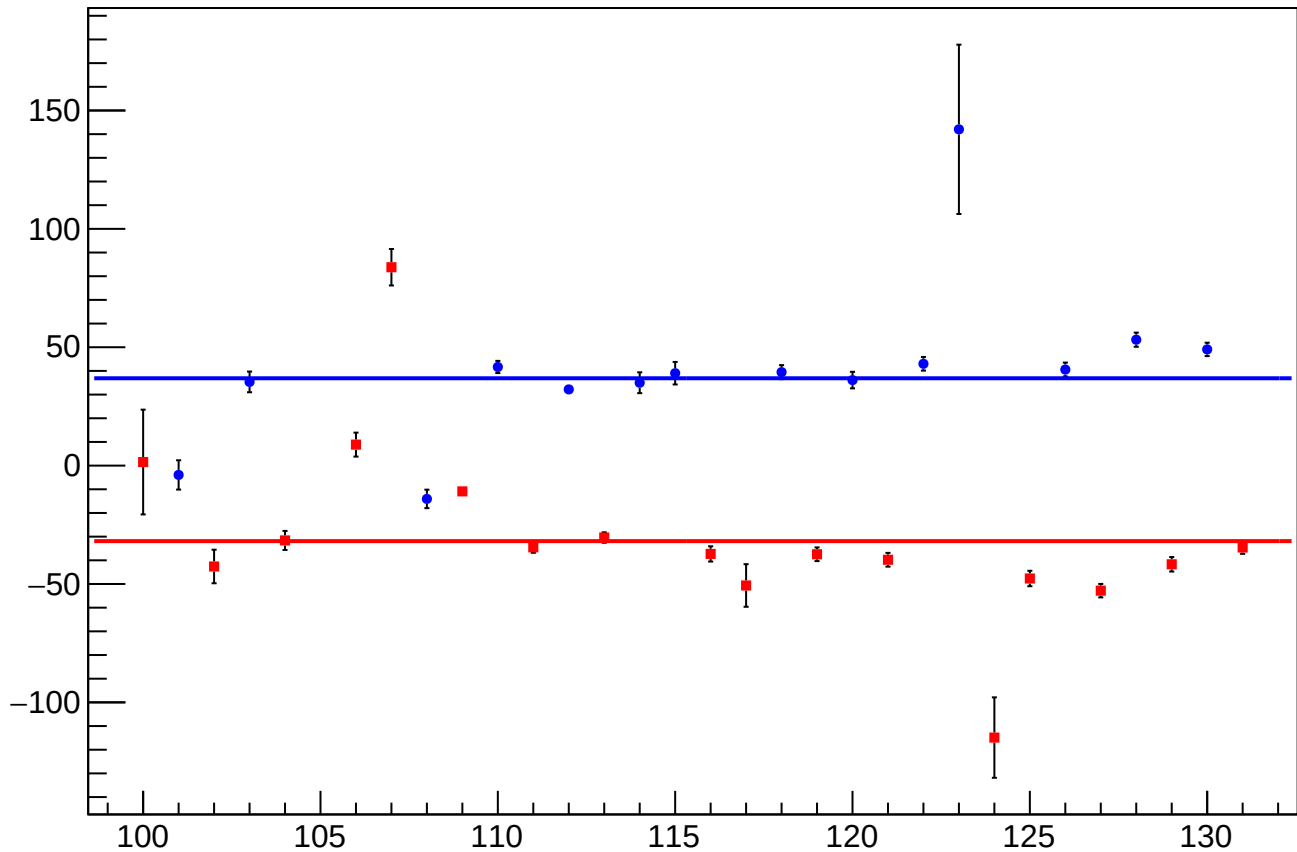
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-78.943+/-0.073  $\chi^2/\text{NDF}$ : 337222.0/13

4.027+/-0.050  $\chi^2/\text{NDF}$ : 3057974.8/30

76.635+/-0.069  $\chi^2/\text{NDF}$ : 317481.6/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 36.892+/-0.883  $\chi^2/\text{NDF}$ : 286.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -31.889+/-0.796  $\chi^2/\text{NDF}$ : 530.4/16

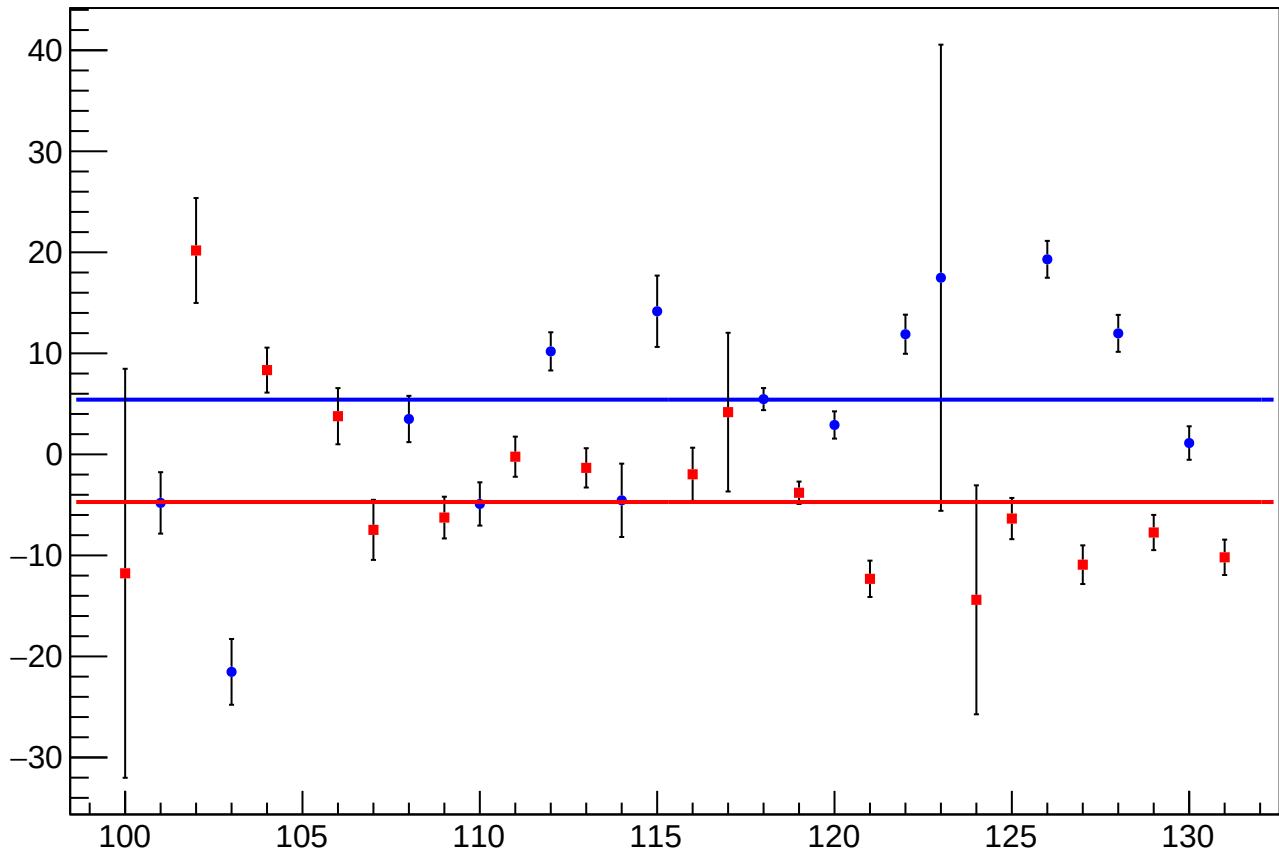
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

36.892+/-0.883  $\chi^2/\text{NDF}$ : 286.2/13

-1.064+/-0.591  $\chi^2/\text{NDF}$ : 4165.7/30

-31.889+/-0.796  $\chi^2/\text{NDF}$ : 530.4/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.416 $\pm$ 0.522  $\chi^2/\text{NDF}$ : 216.2/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.716 $\pm$ 0.520  $\chi^2/\text{NDF}$ : 121.9/16

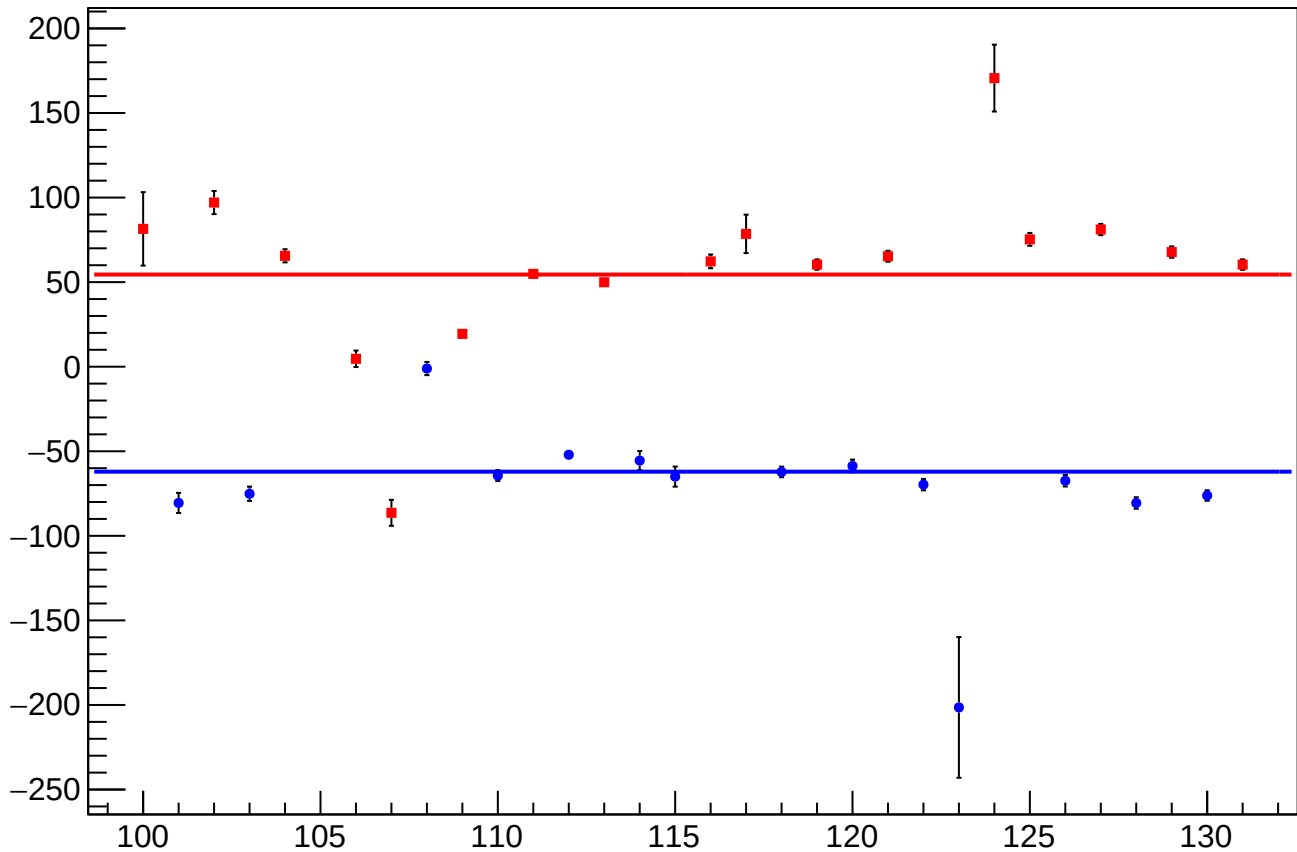
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.416 $\pm$ 0.522  $\chi^2/\text{NDF}$ : 216.2/13

0.329 $\pm$ 0.368  $\chi^2/\text{NDF}$ : 527.1/30

-4.716 $\pm$ 0.520  $\chi^2/\text{NDF}$ : 121.9/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -62.064 $\pm$ 1.009  $\chi^2$ /NDF: 350.1/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 54.477 $\pm$ 0.928  $\chi^2$ /NDF: 837.2/16

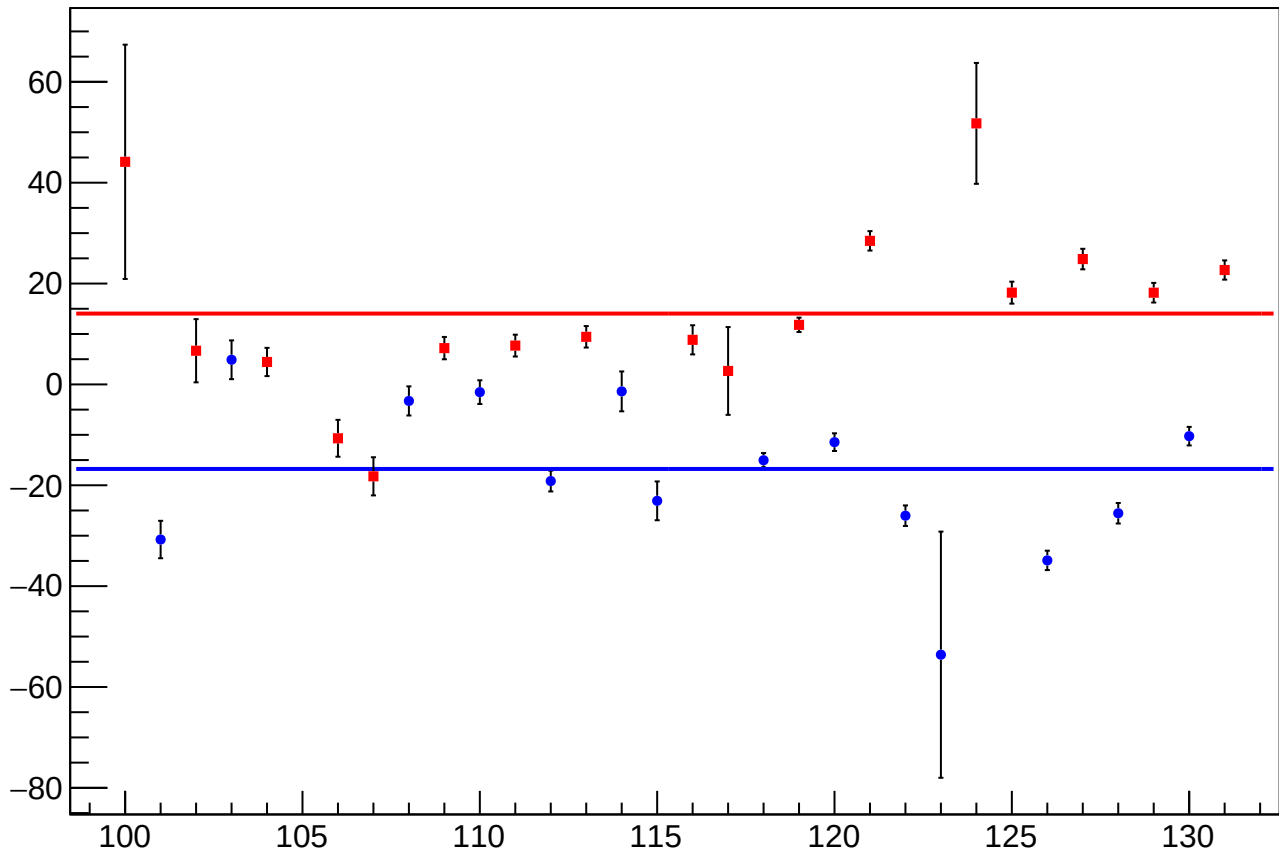
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-62.064 $\pm$ 1.009  $\chi^2$ /NDF: 350.1/13

1.070 $\pm$ 0.683  $\chi^2$ /NDF: 8412.5/30

54.477 $\pm$ 0.928  $\chi^2$ /NDF: 837.2/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -16.765+/-0.611  $\chi^2/\text{NDF}$ : 282.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.048+/-0.594  $\chi^2/\text{NDF}$ : 286.5/16

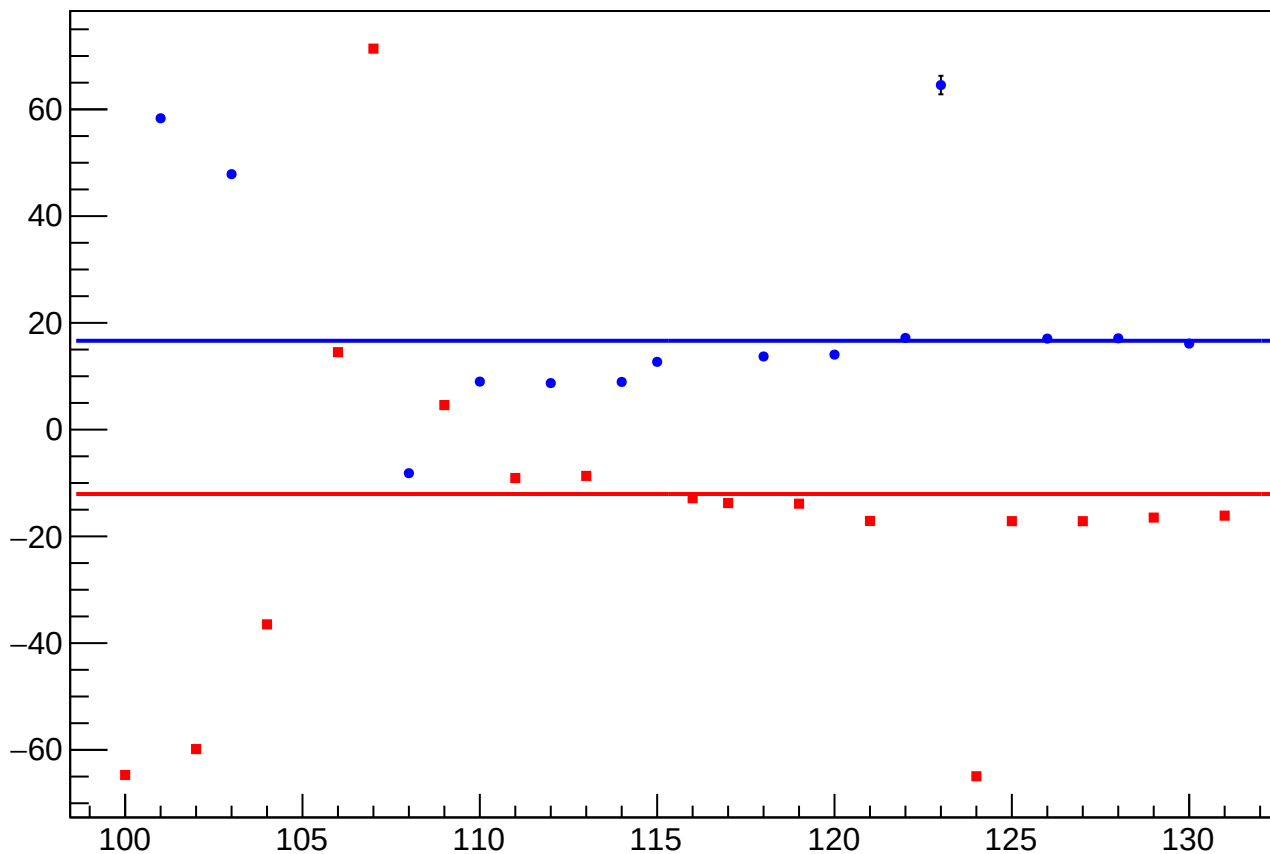
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-16.765+/-0.611  $\chi^2/\text{NDF}$ : 282.9/13

-0.931+/-0.426  $\chi^2/\text{NDF}$ : 1875.9/30

14.048+/-0.594  $\chi^2/\text{NDF}$ : 286.5/16

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 16.647+/-0.038  $\chi^2/\text{NDF}$ : 233223.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -12.063+/-0.037  $\chi^2/\text{NDF}$ : 449510.5/16

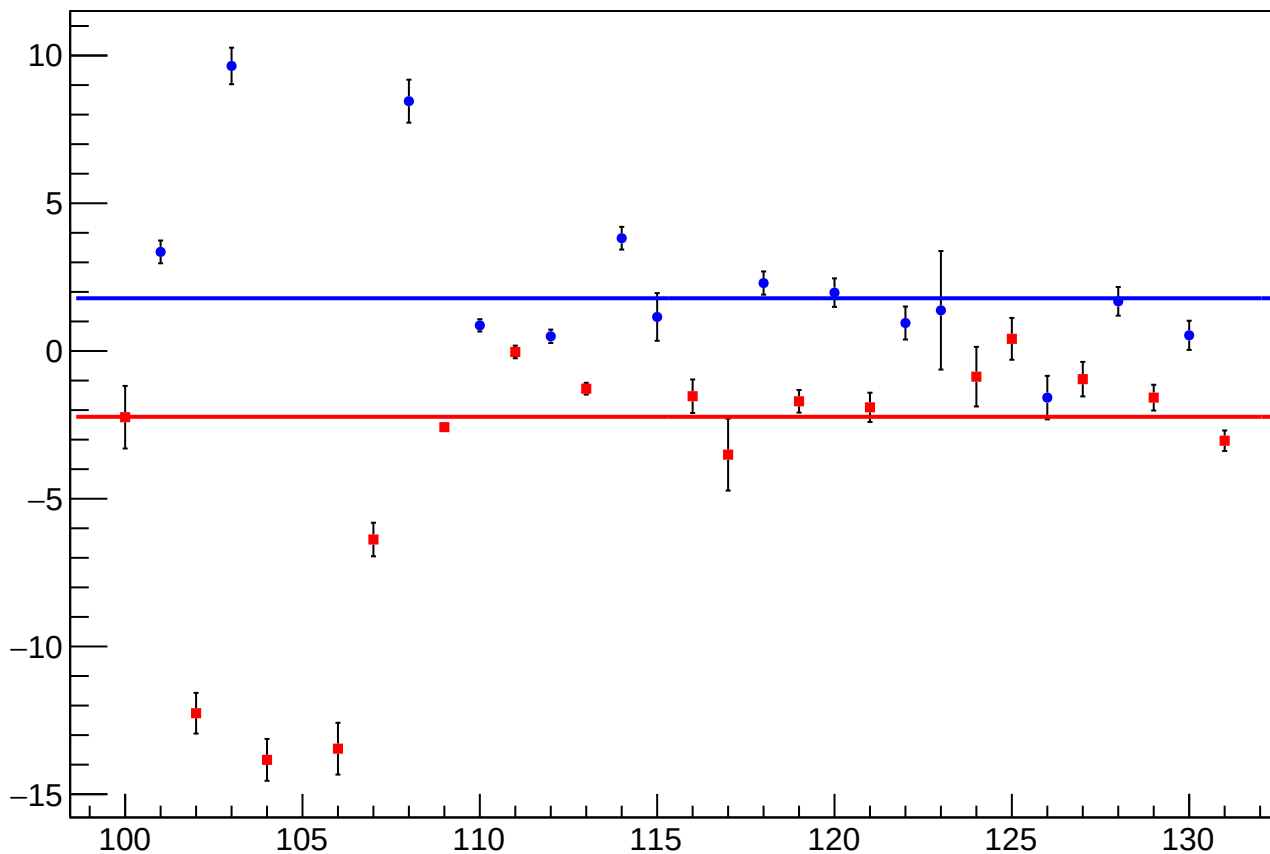
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

16.647+/-0.038  $\chi^2/\text{NDF}$ : 233223.7/13

1.786+/-0.026  $\chi^2/\text{NDF}$ : 976771.3/30

-12.063+/-0.037  $\chi^2/\text{NDF}$ : 449510.5/16

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.785 $\pm$ 0.108  $\chi^2/\text{NDF}$ : 373.4/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.227 $\pm$ 0.088  $\chi^2/\text{NDF}$ : 863.7/16

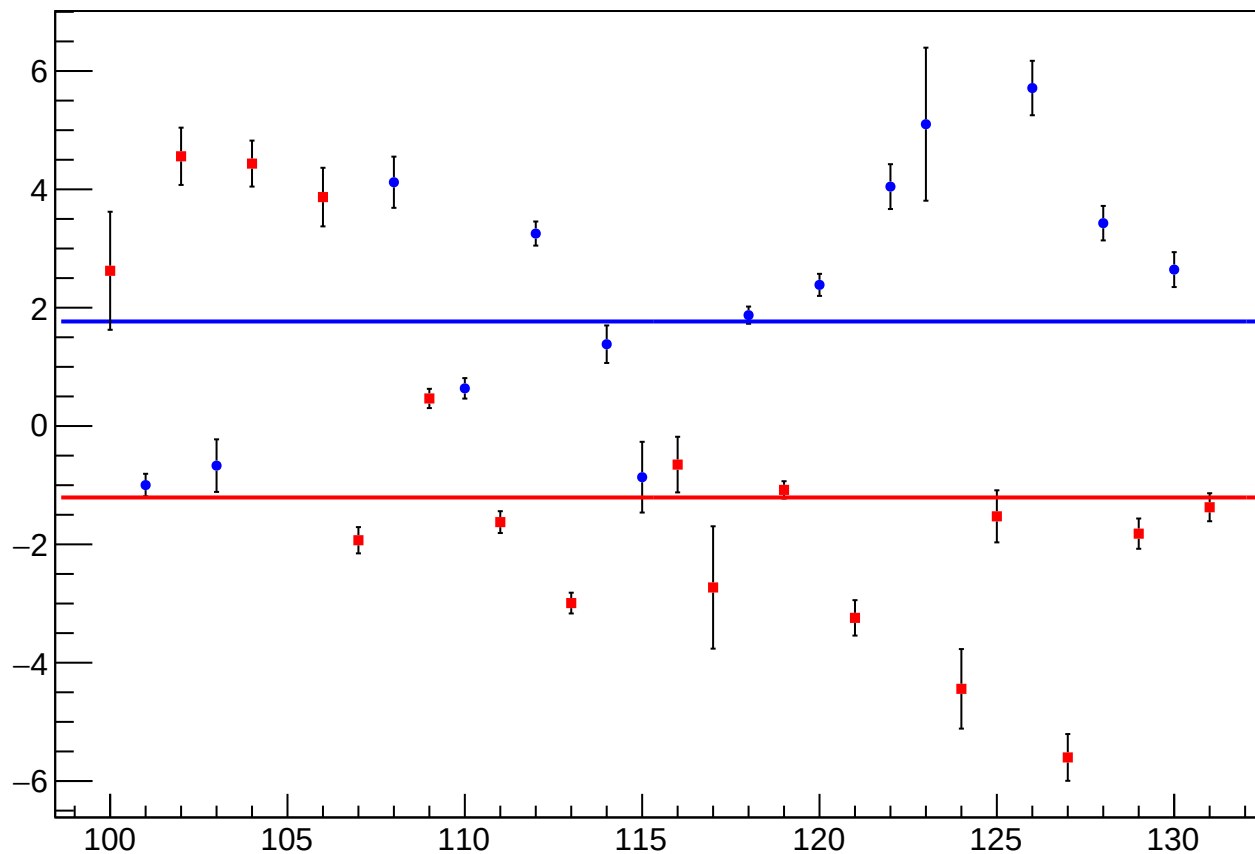
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.785 $\pm$ 0.108  $\chi^2/\text{NDF}$ : 373.4/13

-0.619 $\pm$ 0.068  $\chi^2/\text{NDF}$ : 2069.0/30

-2.227 $\pm$ 0.088  $\chi^2/\text{NDF}$ : 863.7/16

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.767 $\pm$ 0.067  $\chi^2$ /NDF: 556.2/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.207 $\pm$ 0.064  $\chi^2$ /NDF: 901.7/16

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

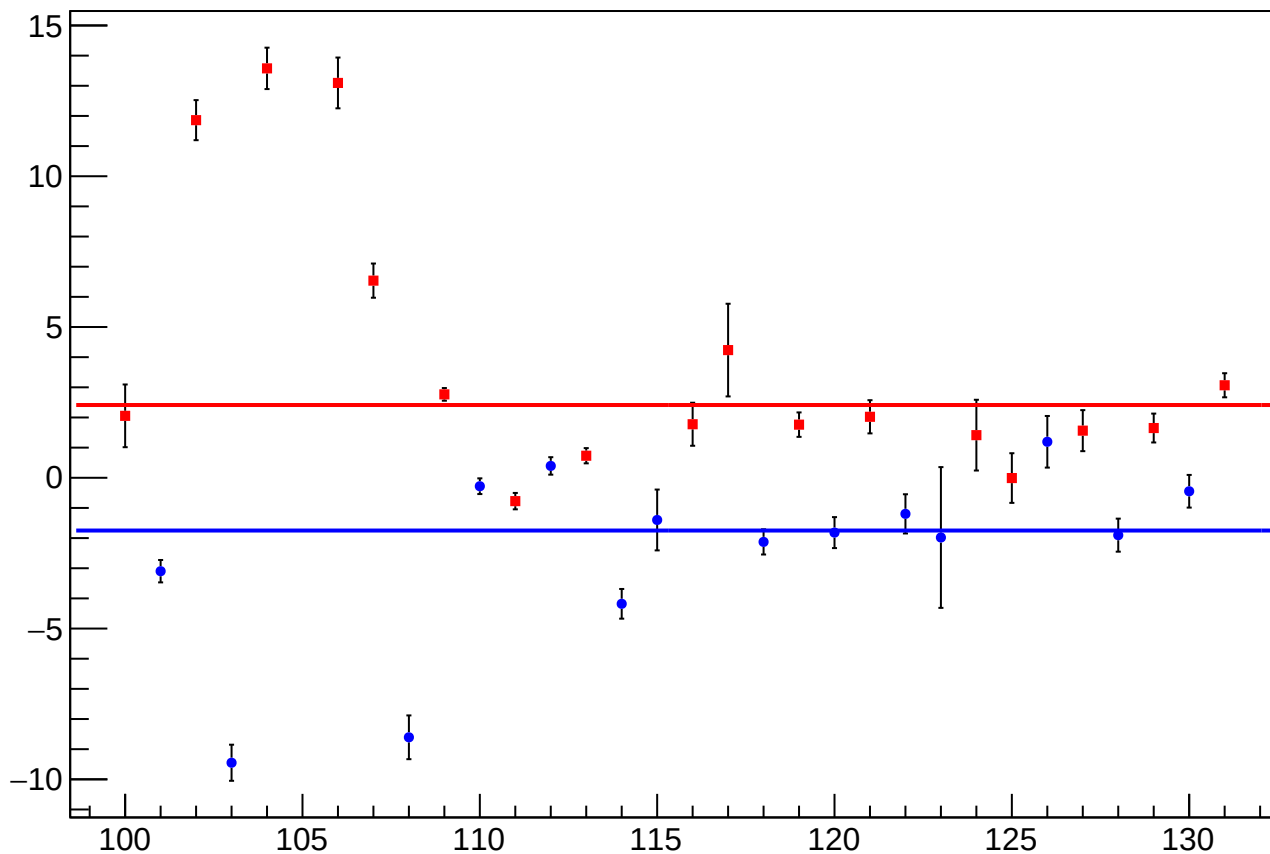
1.767 $\pm$ 0.067  $\chi^2$ /NDF: 556.2/13

0.196 $\pm$ 0.046  $\chi^2$ /NDF: 2485.4/30

-1.207 $\pm$ 0.064  $\chi^2$ /NDF: 901.7/16



reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.749+/-0.125  $\chi^2$ /NDF: 398.2/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.413+/-0.106  $\chi^2$ /NDF: 886.8/16

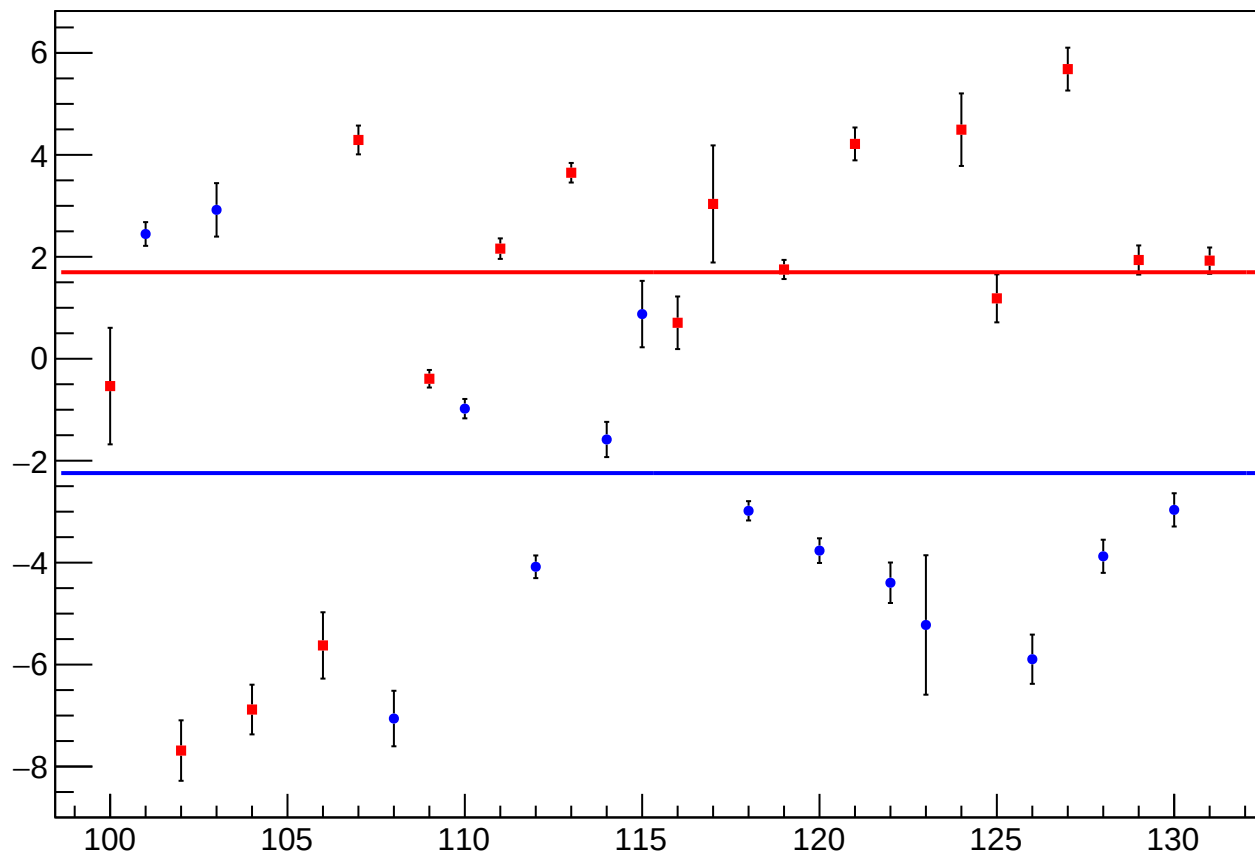
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-1.749+/-0.125  $\chi^2$ /NDF: 398.2/13

0.669+/-0.081  $\chi^2$ /NDF: 1927.8/30

2.413+/-0.106  $\chi^2$ /NDF: 886.8/16

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.243+/-0.079  $\chi^2$ /NDF: 896.4/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.697+/-0.073  $\chi^2$ /NDF: 1204.1/16

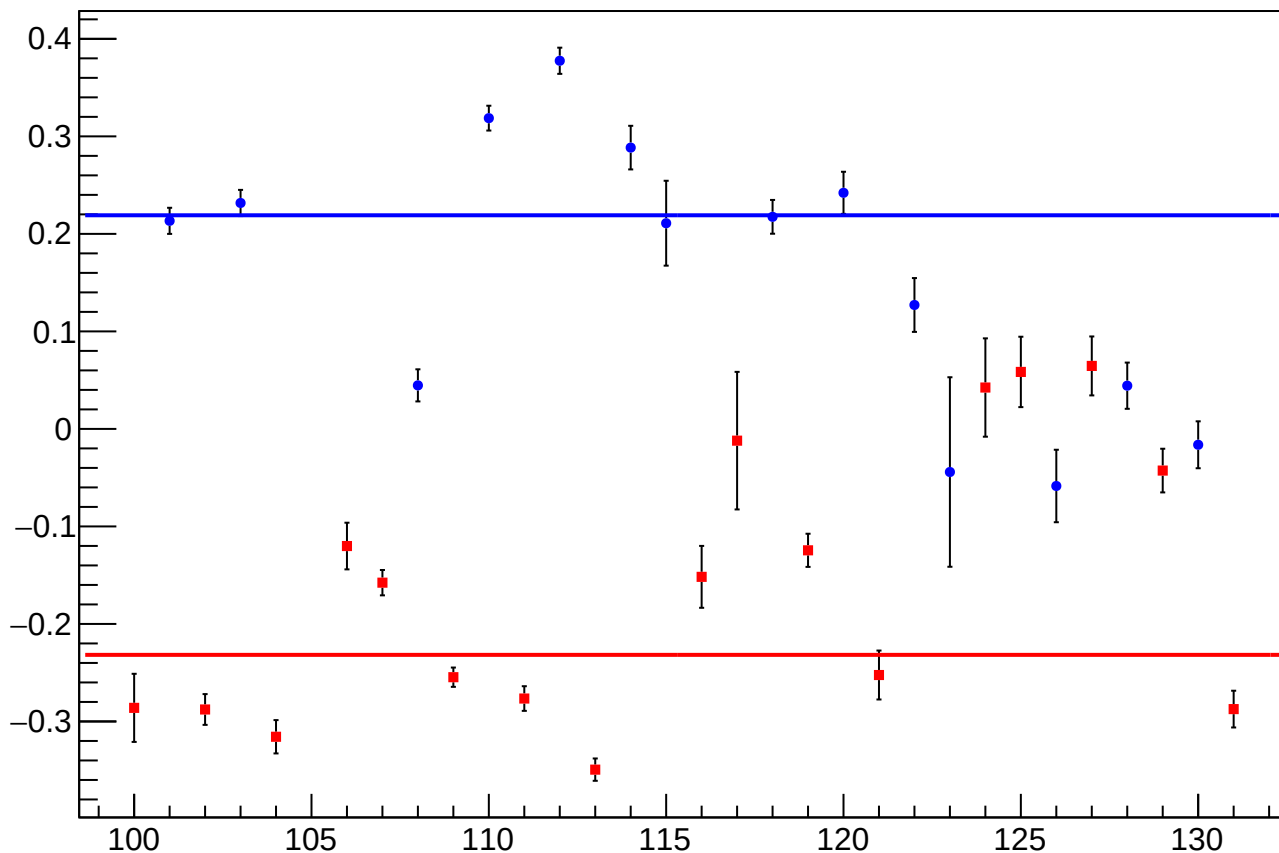
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.243+/-0.079  $\chi^2$ /NDF: 896.4/13

-0.098+/-0.054  $\chi^2$ /NDF: 3444.9/30

1.697+/-0.073  $\chi^2$ /NDF: 1204.1/16

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.219+/-0.005  $\chi^2/\text{NDF}$ : 548.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.232+/-0.004  $\chi^2/\text{NDF}$ : 543.7/16

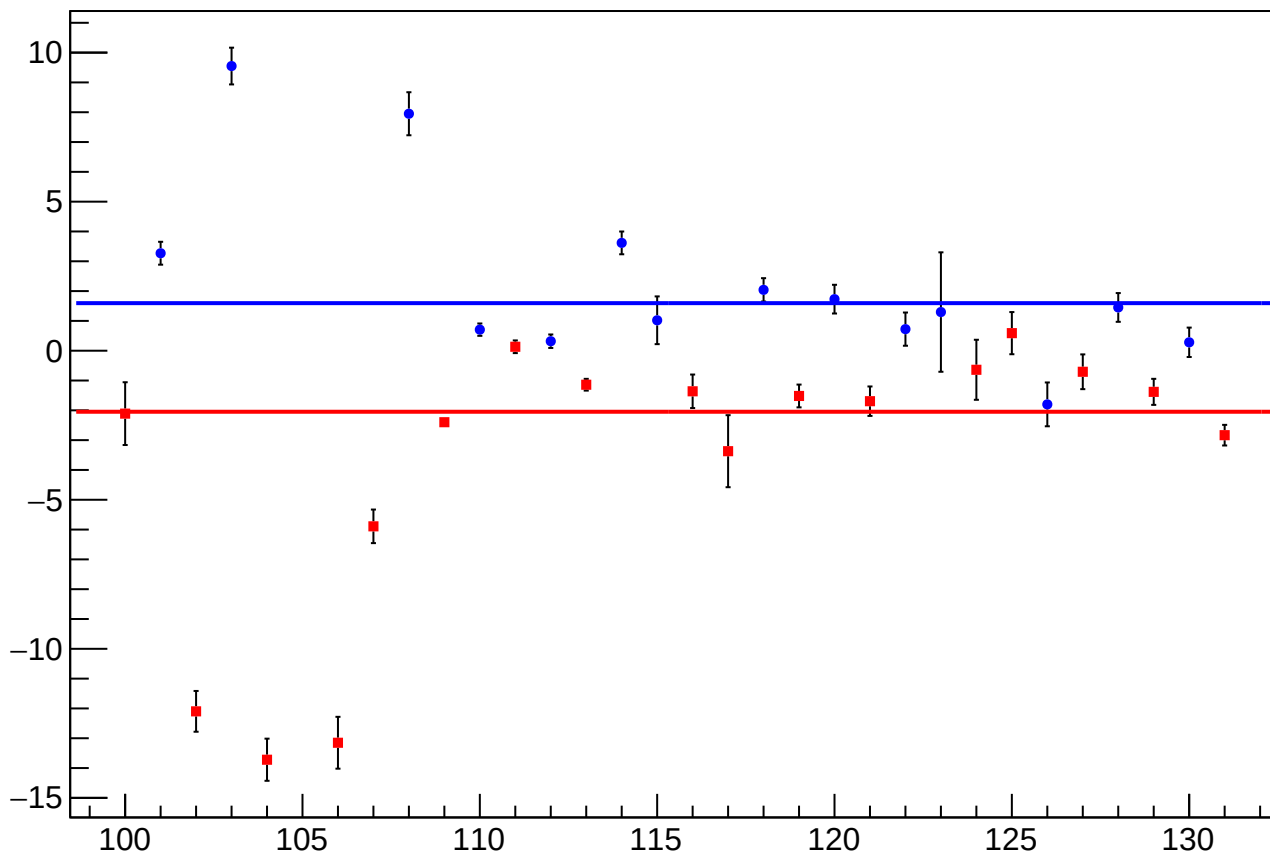
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.219+/-0.005  $\chi^2/\text{NDF}$ : 548.9/13

-0.038+/-0.003  $\chi^2/\text{NDF}$ : 5750.1/30

-0.232+/-0.004  $\chi^2/\text{NDF}$ : 543.7/16

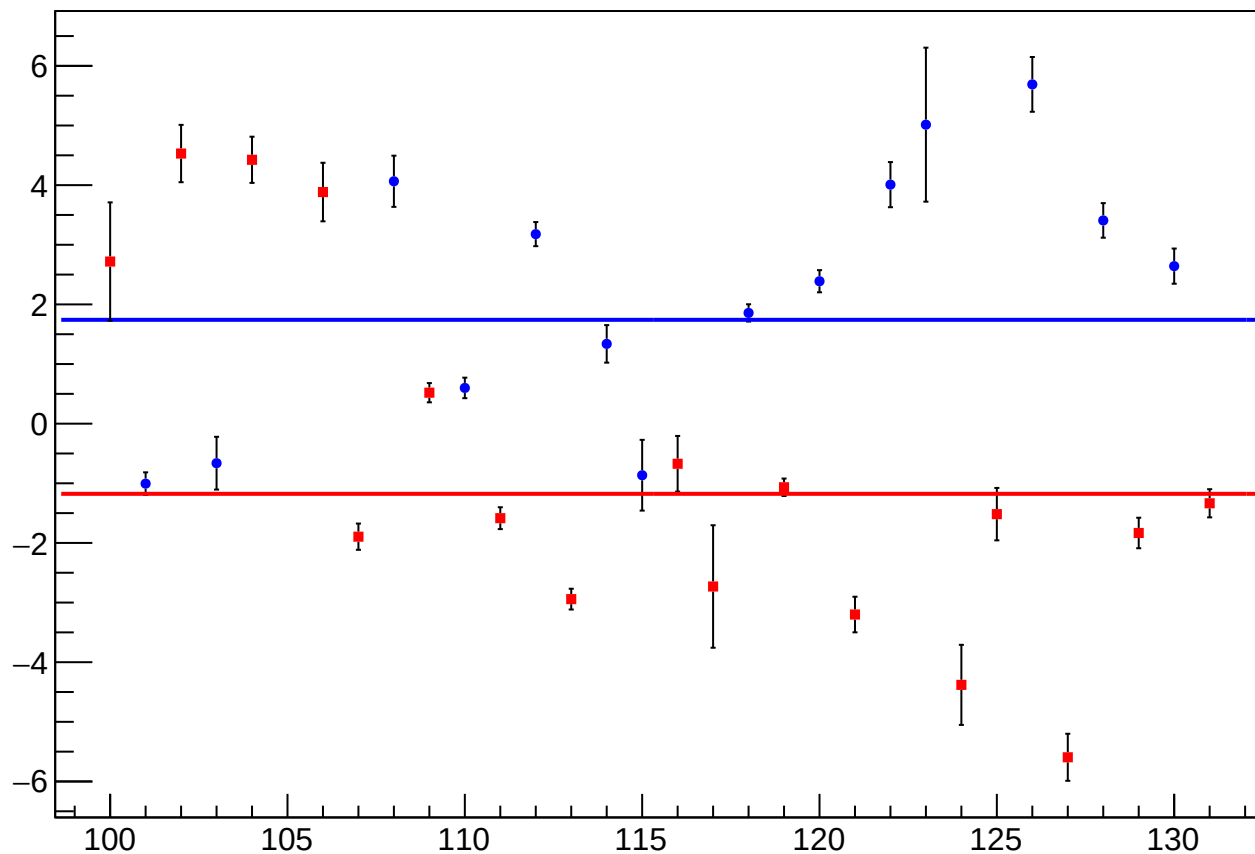
reg\_asym\_bcm\_an\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.596+/-0.107  $\chi^2/\text{NDF}$ : 374.3/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -2.048+/-0.088  $\chi^2/\text{NDF}$ : 863.0/16  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.596+/-0.107  $\chi^2/\text{NDF}$ : 374.3/13  
 -0.588+/-0.068  $\chi^2/\text{NDF}$ : 1931.2/30  
 -2.048+/-0.088  $\chi^2/\text{NDF}$ : 863.0/16

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.741+/-0.067  $\chi^2/\text{NDF}$ : 555.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.177+/-0.063  $\chi^2/\text{NDF}$ : 906.3/16

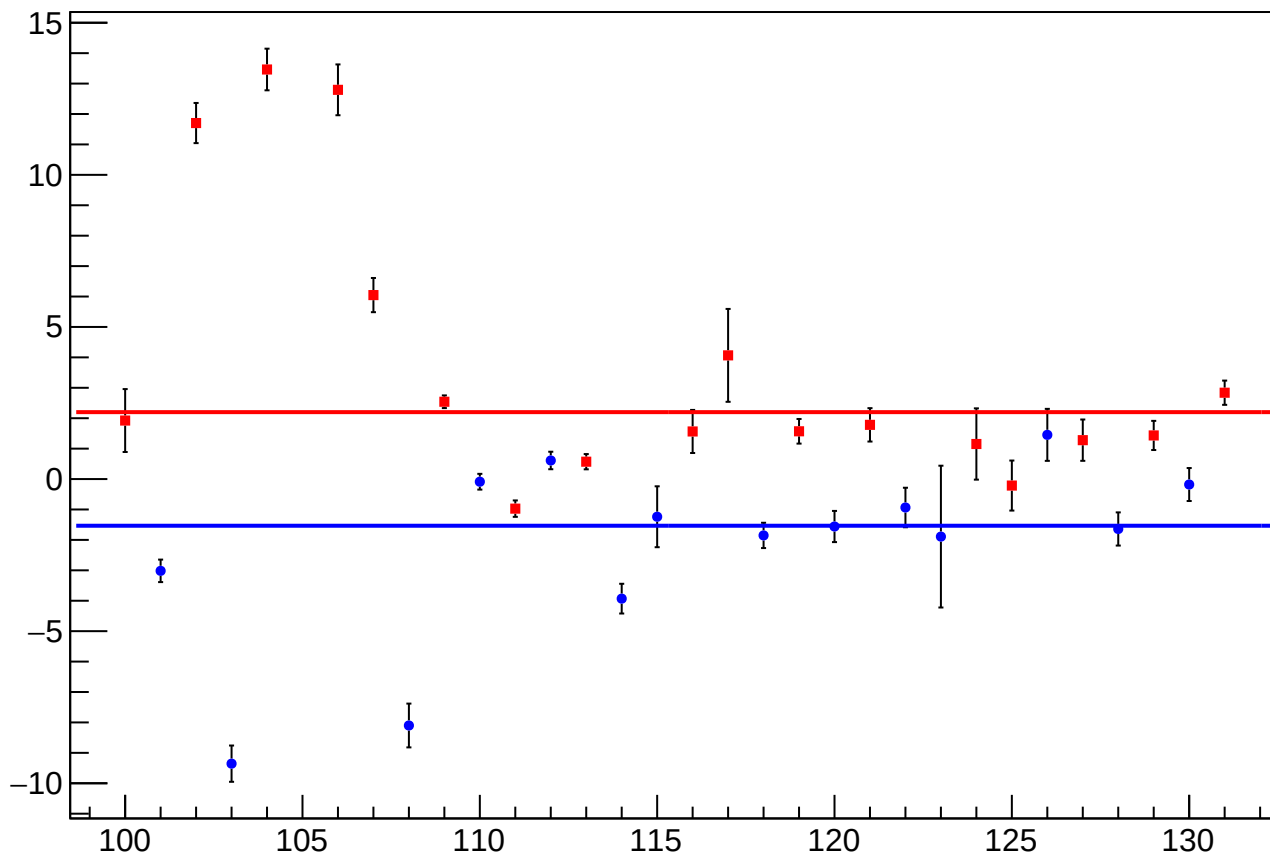
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.741+/-0.067  $\chi^2/\text{NDF}$ : 555.4/13

0.200+/-0.046  $\chi^2/\text{NDF}$ : 2460.0/30

-1.177+/-0.063  $\chi^2/\text{NDF}$ : 906.3/16

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.534+/-0.124  $\chi^2$ /NDF: 402.4/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.200+/-0.106  $\chi^2$ /NDF: 890.9/16

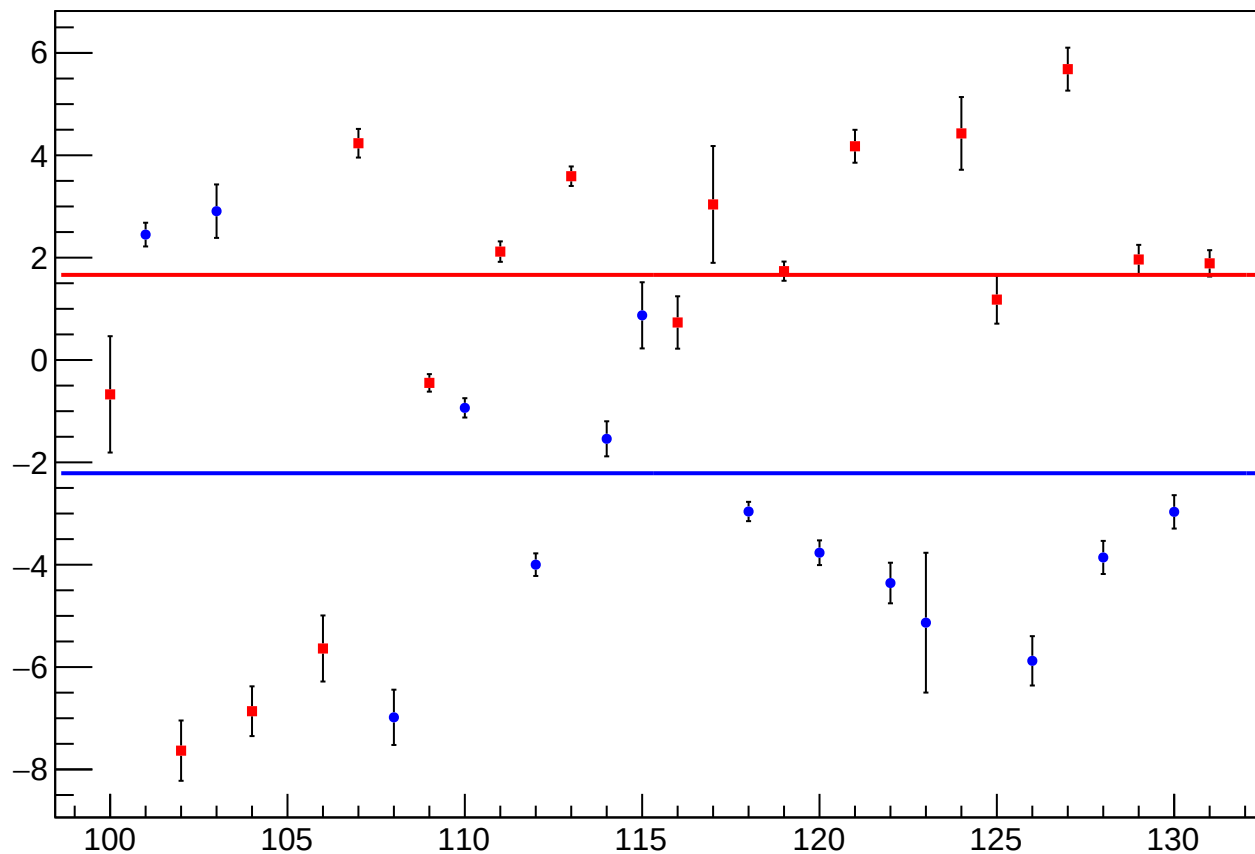
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-1.534+/-0.124  $\chi^2$ /NDF: 402.4/13

0.636+/-0.081  $\chi^2$ /NDF: 1816.1/30

2.200+/-0.106  $\chi^2$ /NDF: 890.9/16

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.212+/-0.079  $\chi^2$ /NDF: 896.5/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.663+/-0.072  $\chi^2$ /NDF: 1208.6/16

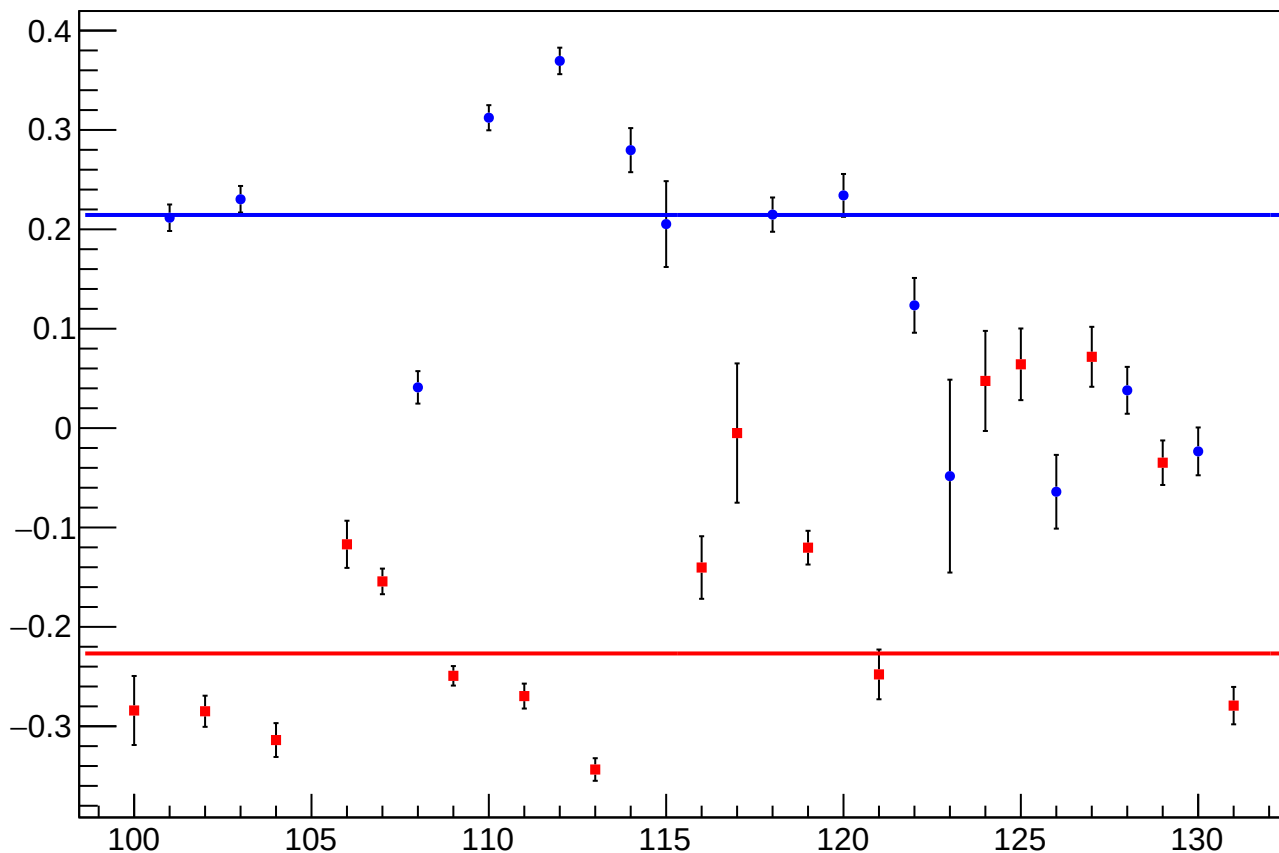
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.212+/-0.079  $\chi^2$ /NDF: 896.5/13

-0.102+/-0.053  $\chi^2$ /NDF: 3418.3/30

1.663+/-0.072  $\chi^2$ /NDF: 1208.6/16

reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.214+/-0.005  $\chi^2/\text{NDF}$ : 547.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.227+/-0.004  $\chi^2/\text{NDF}$ : 549.7/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

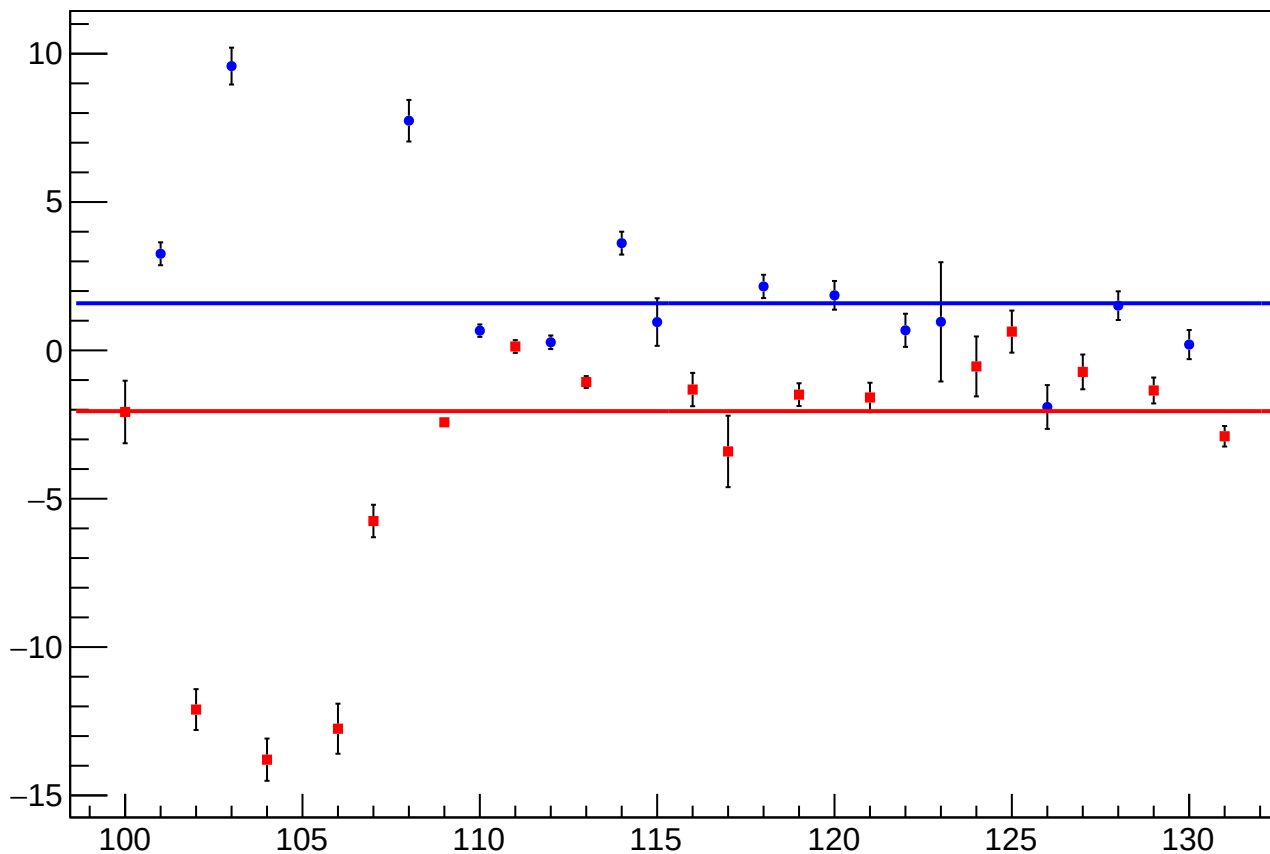
0.214+/-0.005  $\chi^2/\text{NDF}$ : 547.0/13

-0.037+/-0.003  $\chi^2/\text{NDF}$ : 5607.3/30

-0.227+/-0.004  $\chi^2/\text{NDF}$ : 549.7/16



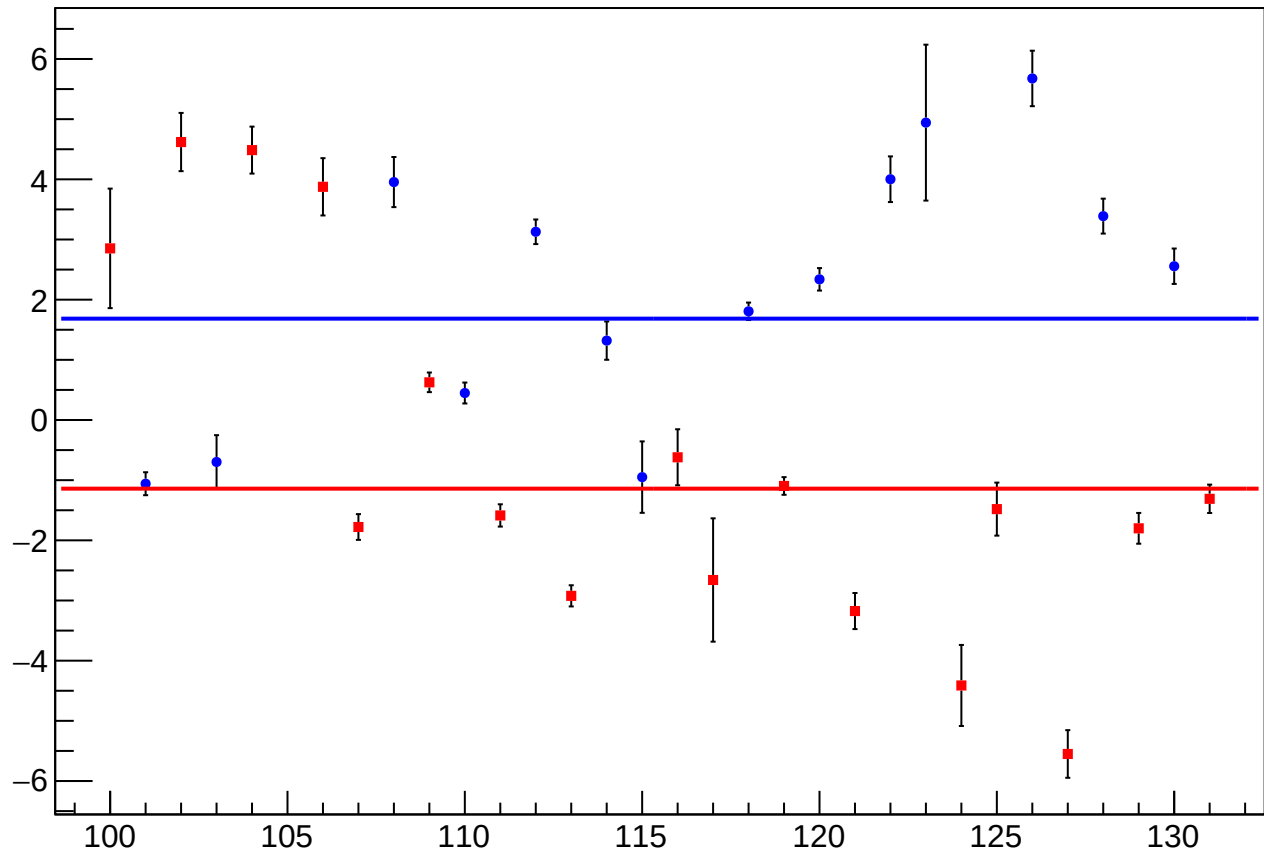
reg\_asym\_bcm\_an\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.588 $\pm$ 0.108  $\chi^2$ /NDF: 378.1/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -2.048 $\pm$ 0.088  $\chi^2$ /NDF: 860.9/16  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.588 $\pm$ 0.108  $\chi^2$ /NDF: 378.1/13  
 -0.592 $\pm$ 0.068  $\chi^2$ /NDF: 1921.4/30  
 -2.048 $\pm$ 0.088  $\chi^2$ /NDF: 860.9/16

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.685 $\pm$ 0.067  $\chi^2$ /NDF: 561.2/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.141 $\pm$ 0.064  $\chi^2$ /NDF: 916.2/16

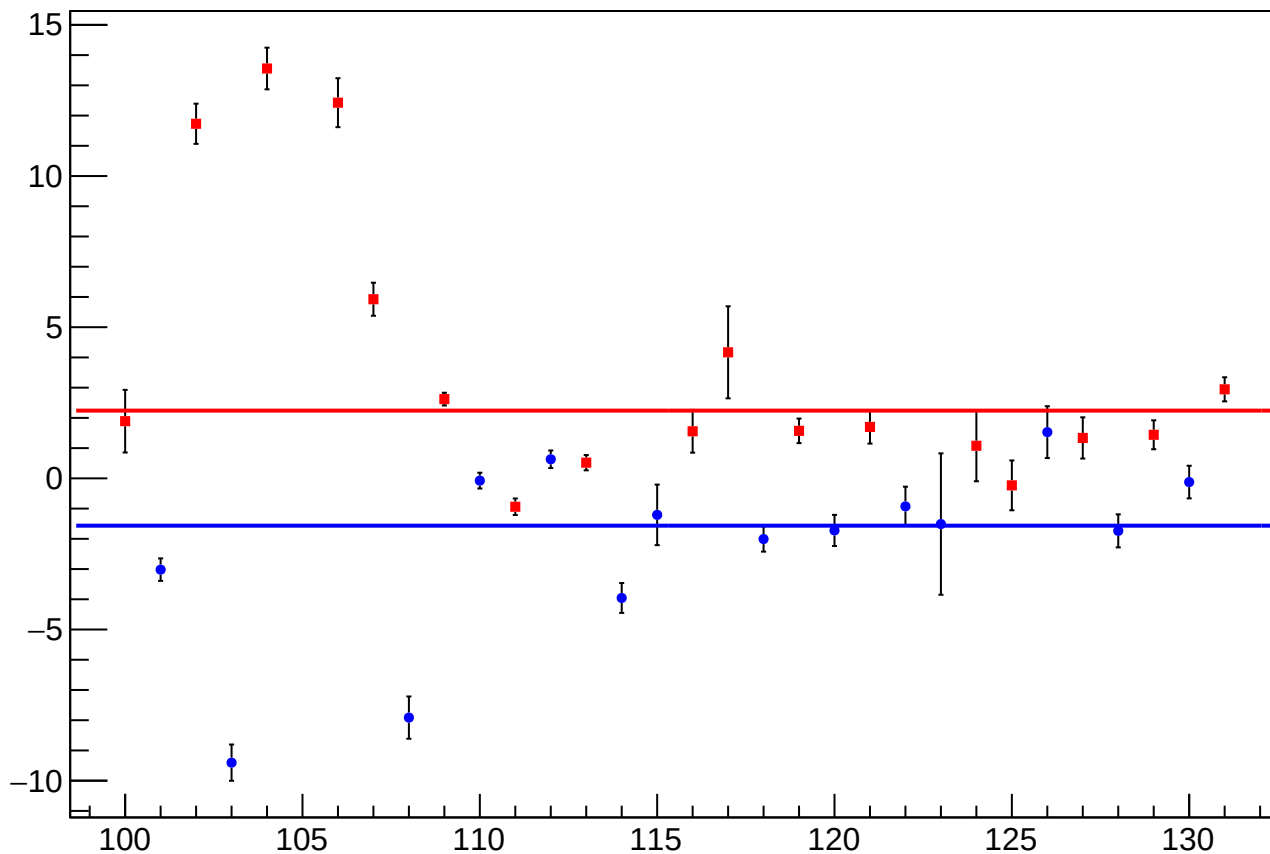
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.685 $\pm$ 0.067  $\chi^2$ /NDF: 561.2/13

0.189 $\pm$ 0.046  $\chi^2$ /NDF: 2406.7/30

-1.141 $\pm$ 0.064  $\chi^2$ /NDF: 916.2/16

reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.565+/-0.125  $\chi^2/\text{NDF}$ : 403.9/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.241+/-0.106  $\chi^2/\text{NDF}$ : 886.4/16

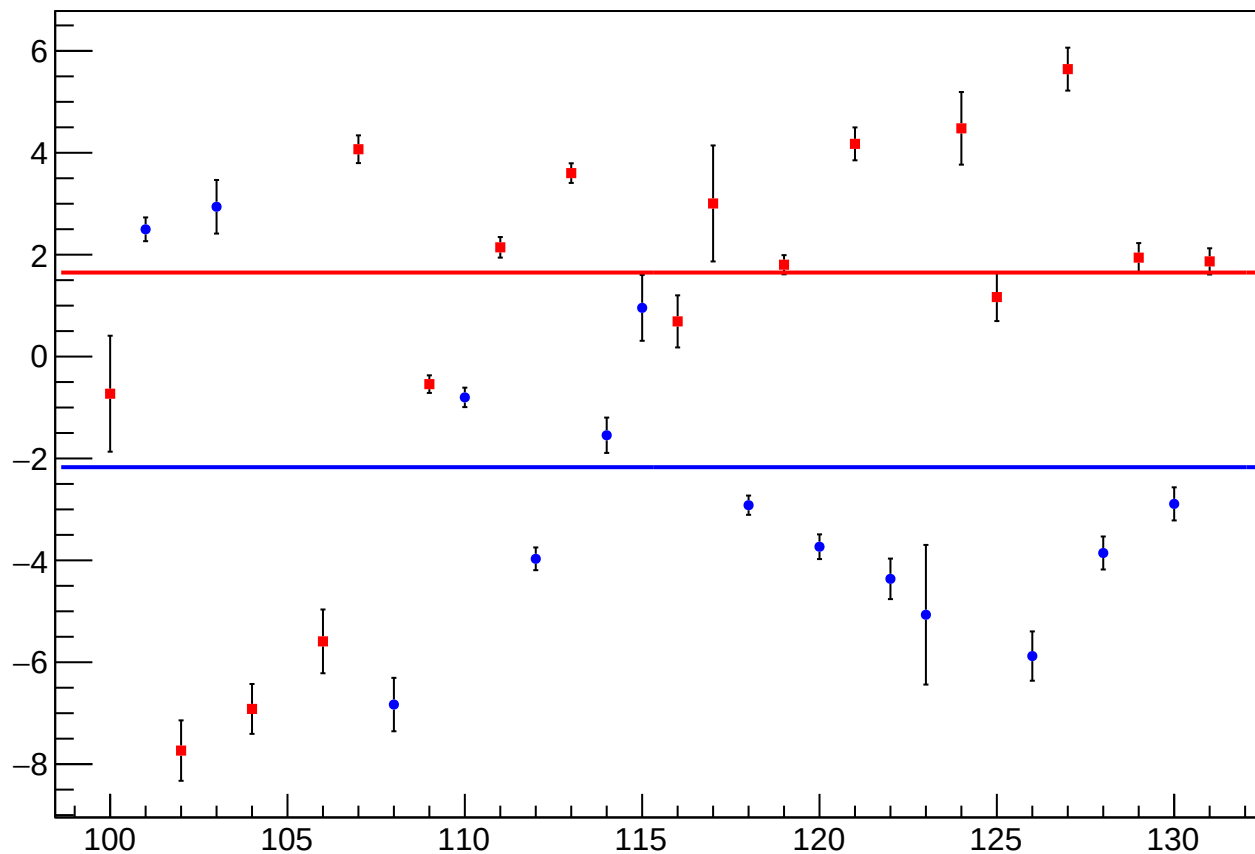
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.565+/-0.125  $\chi^2/\text{NDF}$ : 403.9/13

0.647+/-0.081  $\chi^2/\text{NDF}$ : 1827.4/30

2.241+/-0.106  $\chi^2/\text{NDF}$ : 886.4/16

reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.171+/-0.079  $\chi^2$ /NDF: 899.9/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.649+/-0.072  $\chi^2$ /NDF: 1217.7/16

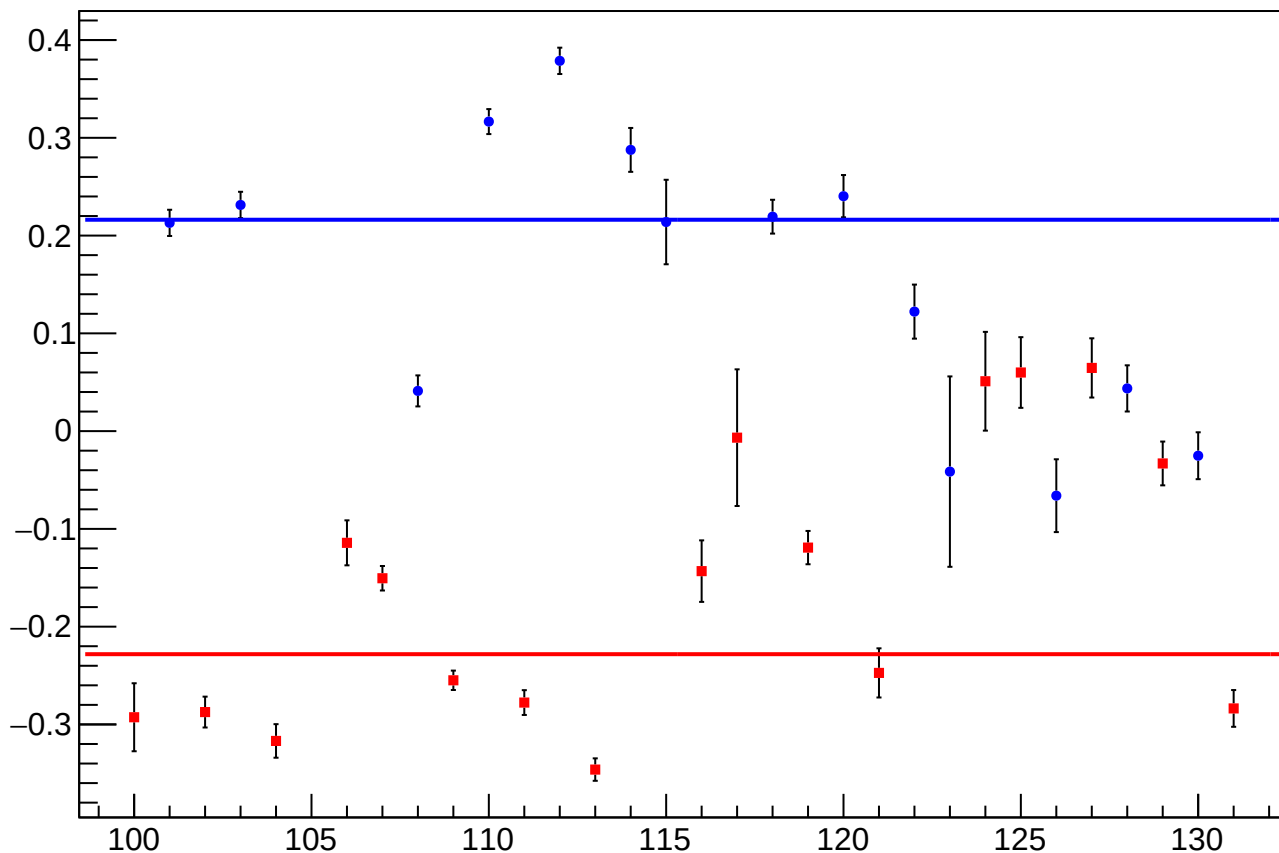
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.171+/-0.079  $\chi^2$ /NDF: 899.9/13

-0.088+/-0.053  $\chi^2$ /NDF: 3382.8/30

1.649+/-0.072  $\chi^2$ /NDF: 1217.7/16

reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.216+/-0.005  $\chi^2/\text{NDF}$ : 572.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.228+/-0.004  $\chi^2/\text{NDF}$ : 566.3/16

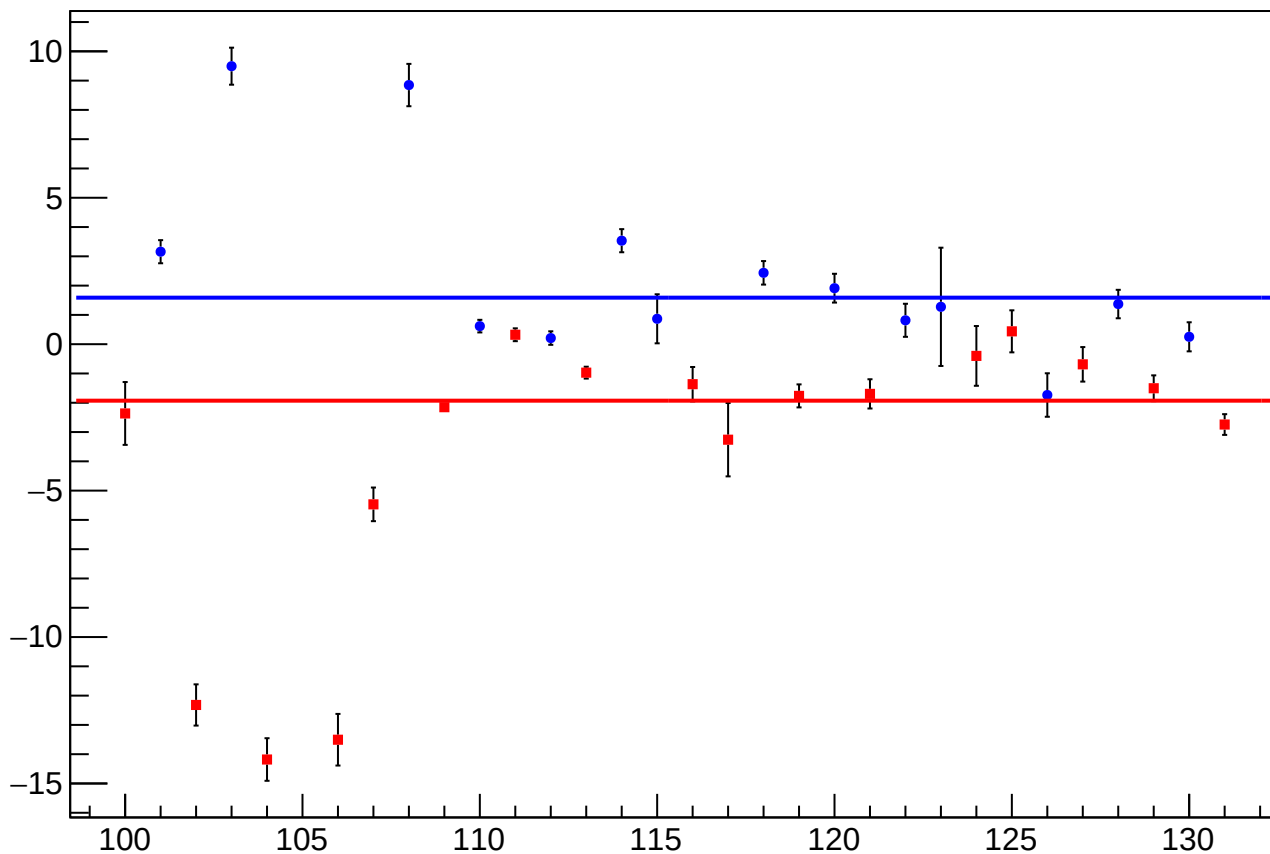
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.216+/-0.005  $\chi^2/\text{NDF}$ : 572.2/13

-0.038+/-0.003  $\chi^2/\text{NDF}$ : 5690.5/30

-0.228+/-0.004  $\chi^2/\text{NDF}$ : 566.3/16

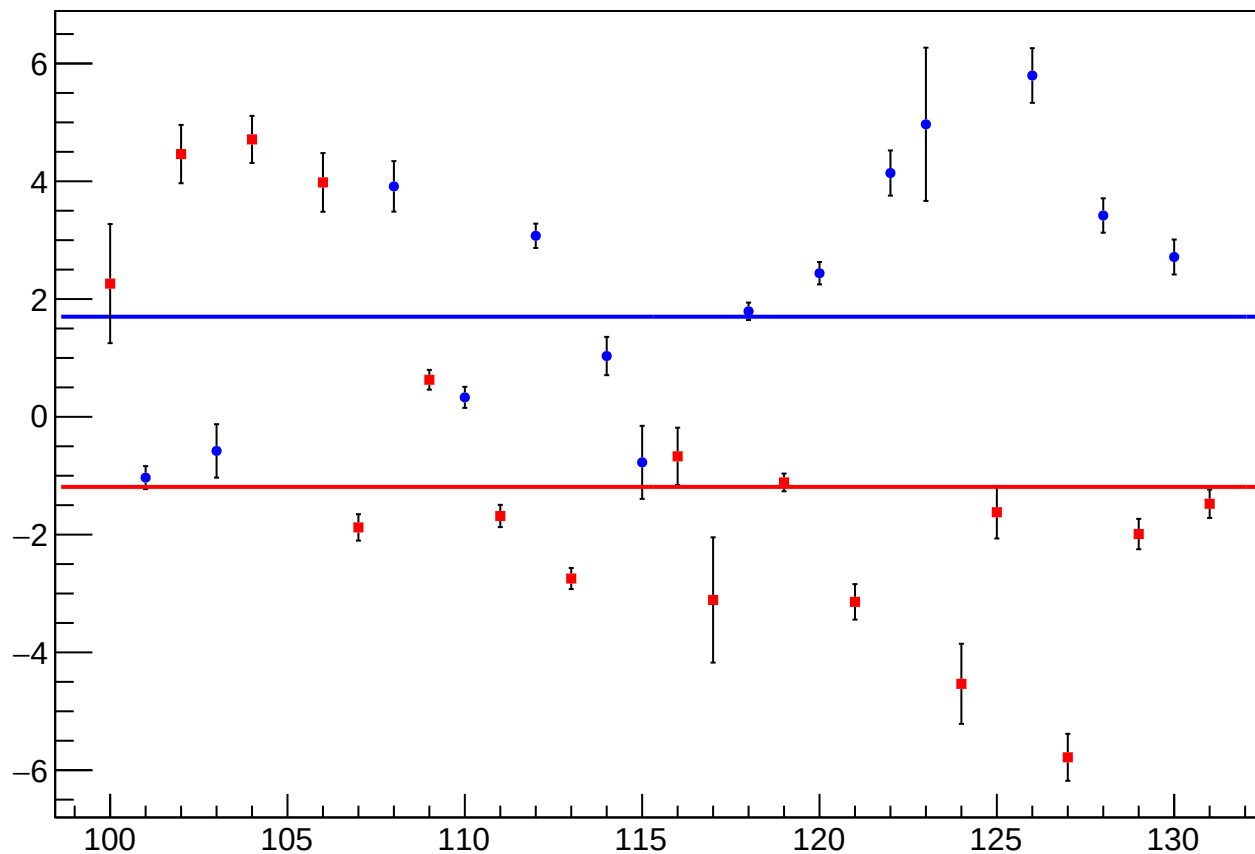
reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.589 $\pm$ 0.110  $\chi^2$ /NDF: 388.4/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -1.929 $\pm$ 0.090  $\chi^2$ /NDF: 868.0/16  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.589 $\pm$ 0.110  $\chi^2$ /NDF: 388.4/13  
 -0.513 $\pm$ 0.070  $\chi^2$ /NDF: 1869.3/30  
 -1.929 $\pm$ 0.090  $\chi^2$ /NDF: 868.0/16

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.700 $\pm$ 0.069  $\chi^2$ /NDF: 557.1/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.189 $\pm$ 0.065  $\chi^2$ /NDF: 892.8/16

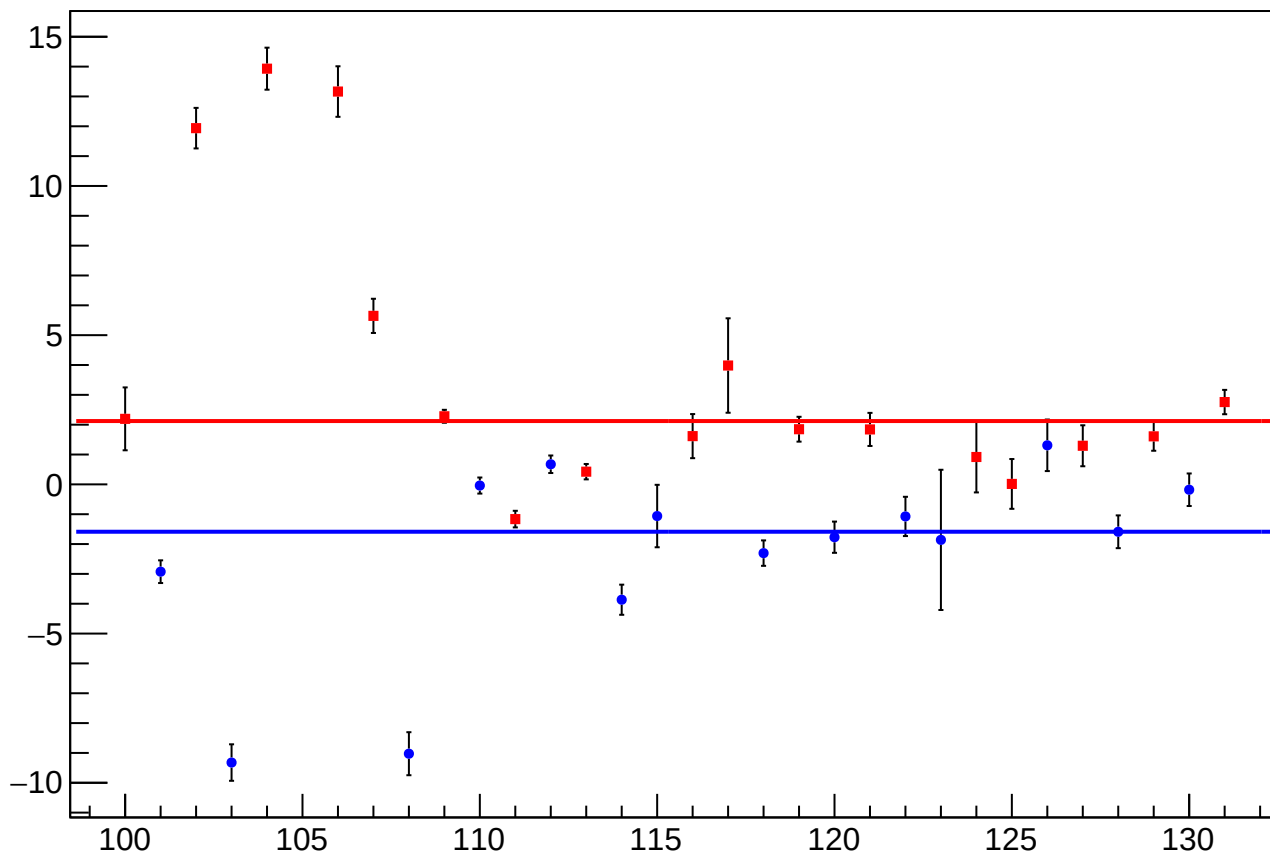
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.700 $\pm$ 0.069  $\chi^2$ /NDF: 557.1/13

0.177 $\pm$ 0.047  $\chi^2$ /NDF: 2381.7/30

-1.189 $\pm$ 0.065  $\chi^2$ /NDF: 892.8/16

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.587 \pm 0.128$   $\chi^2/\text{NDF}: 413.4/13$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $2.122 \pm 0.109$   $\chi^2/\text{NDF}: 896.2/16$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

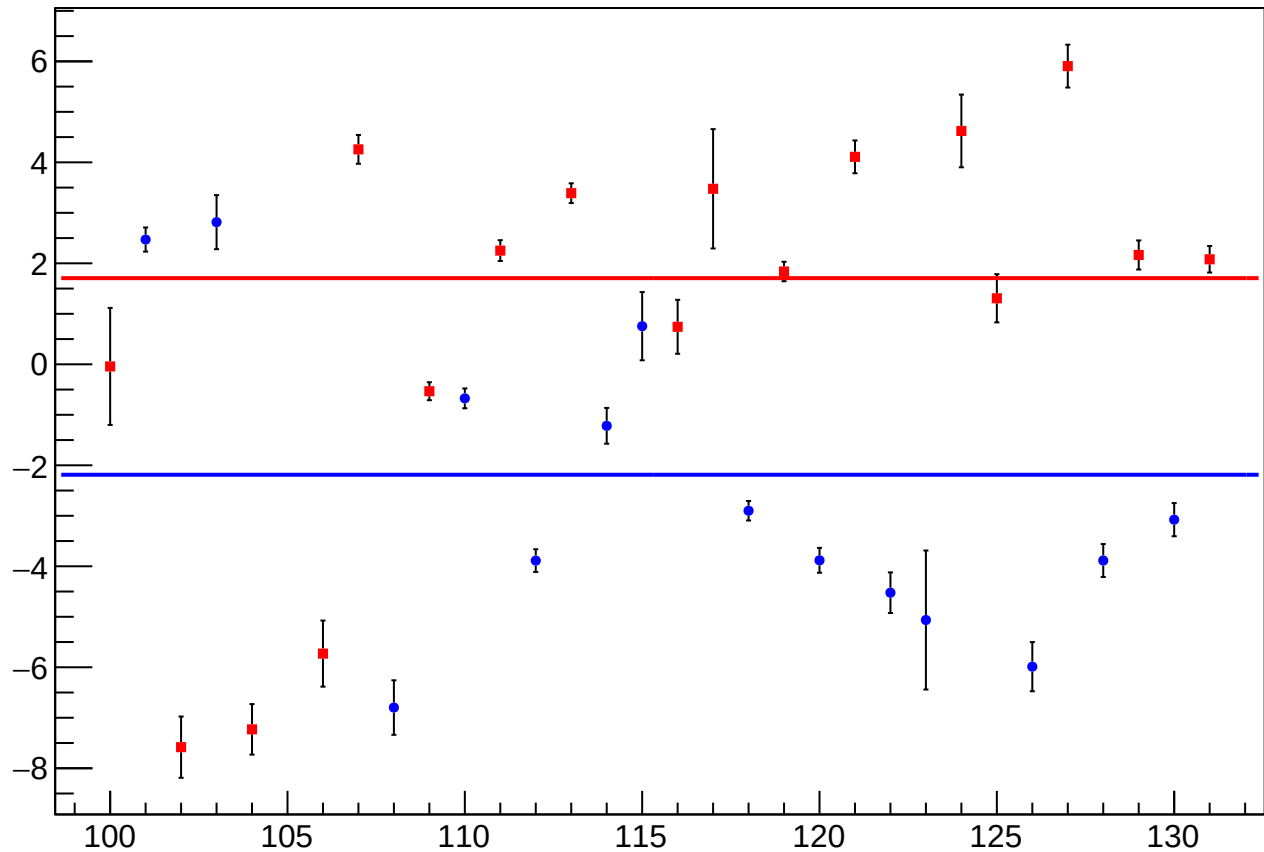
$-1.587 \pm 0.128$   $\chi^2/\text{NDF}: 413.4/13$

$0.562 \pm 0.083$   $\chi^2/\text{NDF}: 1799.1/30$

$2.122 \pm 0.109$   $\chi^2/\text{NDF}: 896.2/16$



reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.187+/-0.081  $\chi^2/\text{NDF}$ : 878.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.707+/-0.074  $\chi^2/\text{NDF}$ : 1183.3/16

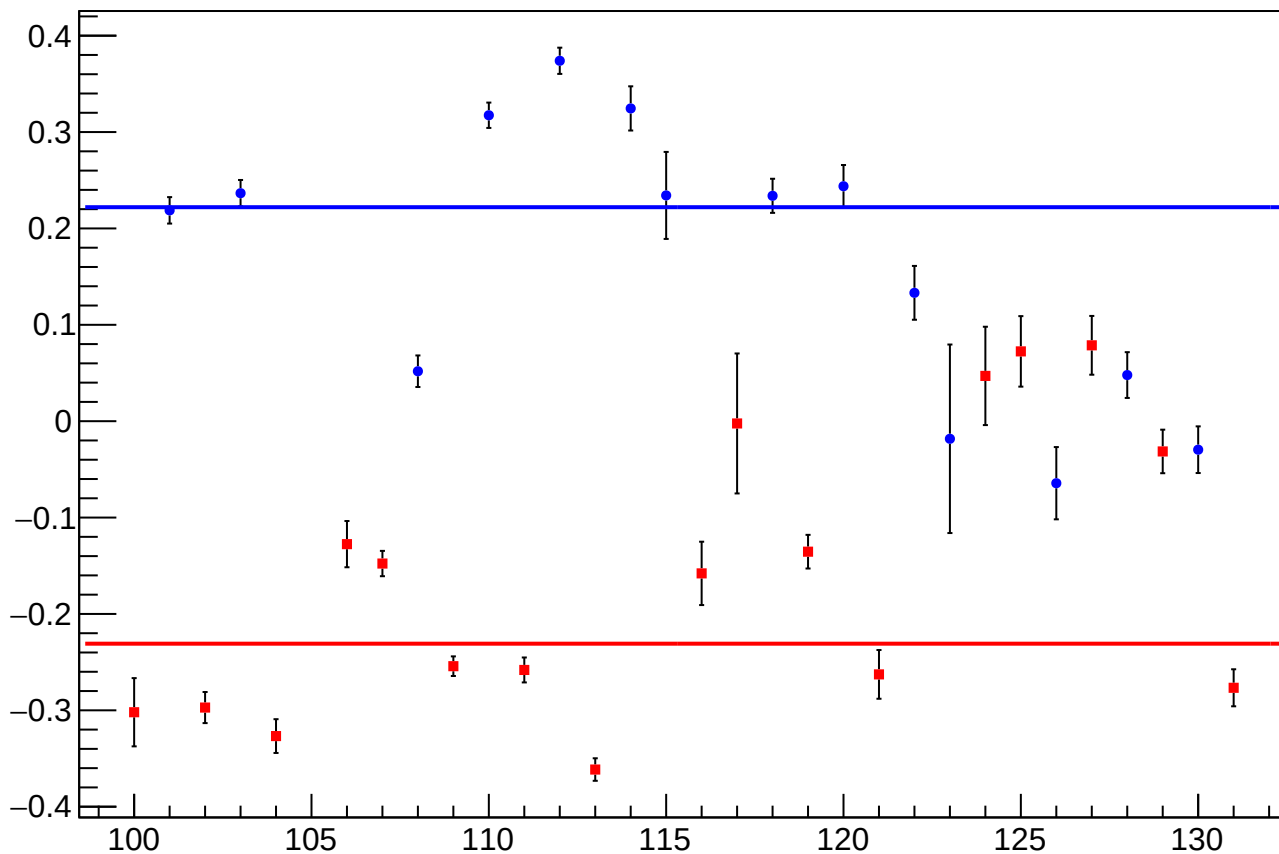
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.187+/-0.081  $\chi^2/\text{NDF}$ : 878.0/13

-0.071+/-0.055  $\chi^2/\text{NDF}$ : 3322.9/30

1.707+/-0.074  $\chi^2/\text{NDF}$ : 1183.3/16

reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.222+/-0.005  $\chi^2/\text{NDF}$ : 544.2/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.231+/-0.004  $\chi^2/\text{NDF}$ : 575.3/16

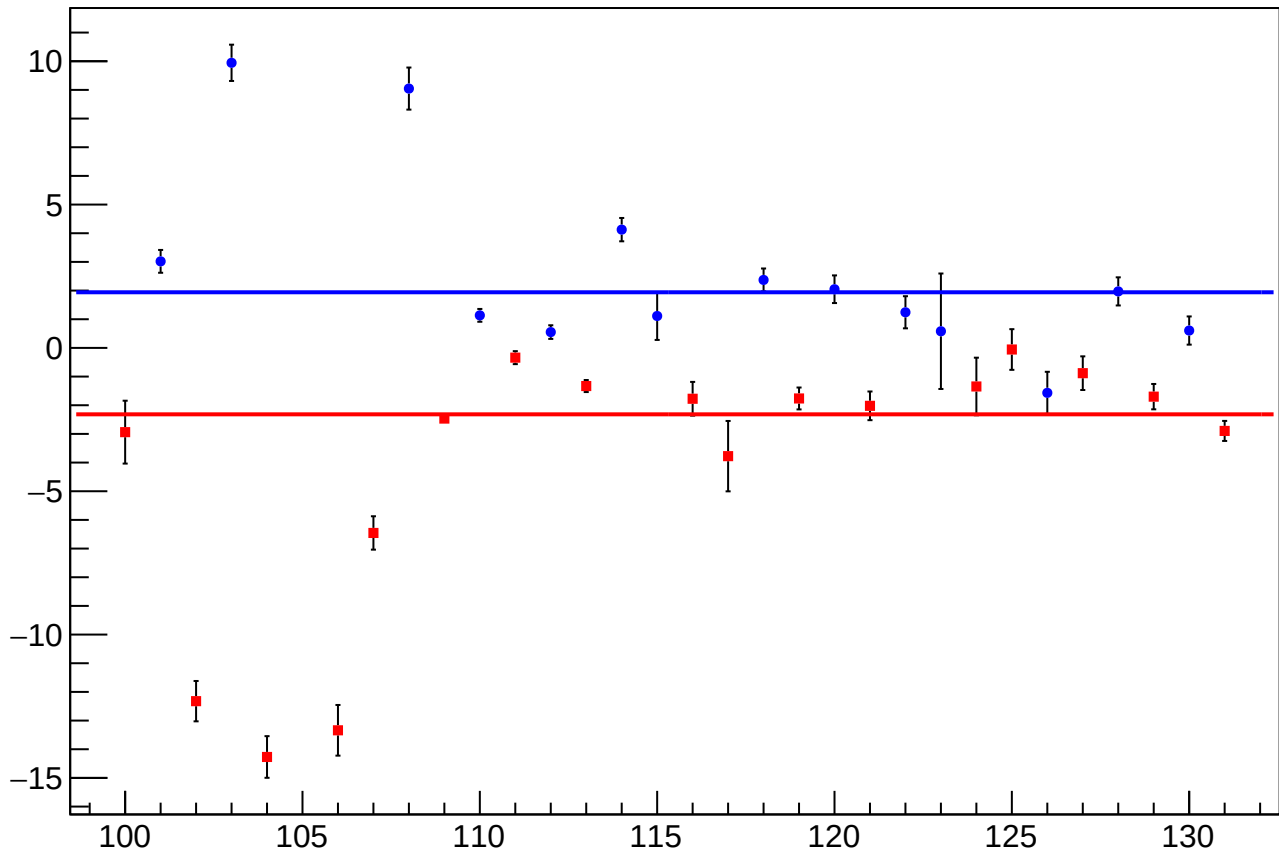
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.222+/-0.005  $\chi^2/\text{NDF}$ : 544.2/13

-0.036+/-0.003  $\chi^2/\text{NDF}$ : 5645.5/30

-0.231+/-0.004  $\chi^2/\text{NDF}$ : 575.3/16

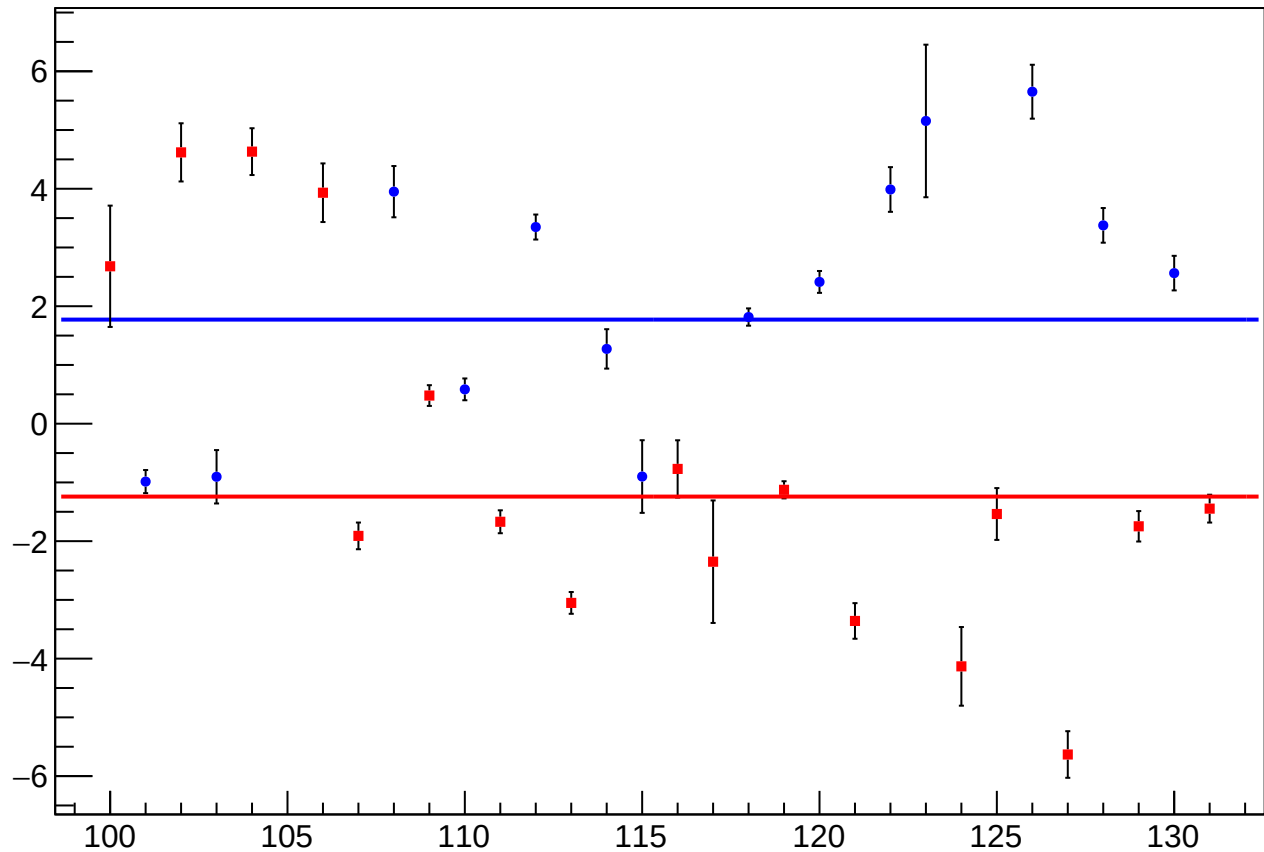
reg\_asym\_bcm\_dg\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.941+/-0.112  $\chi^2/\text{NDF}$ : 371.3/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -2.317+/-0.092  $\chi^2/\text{NDF}$ : 804.8/16  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.941+/-0.112  $\chi^2/\text{NDF}$ : 371.3/13  
 -0.591+/-0.071  $\chi^2/\text{NDF}$ : 2038.3/30  
 -2.317+/-0.092  $\chi^2/\text{NDF}$ : 804.8/16

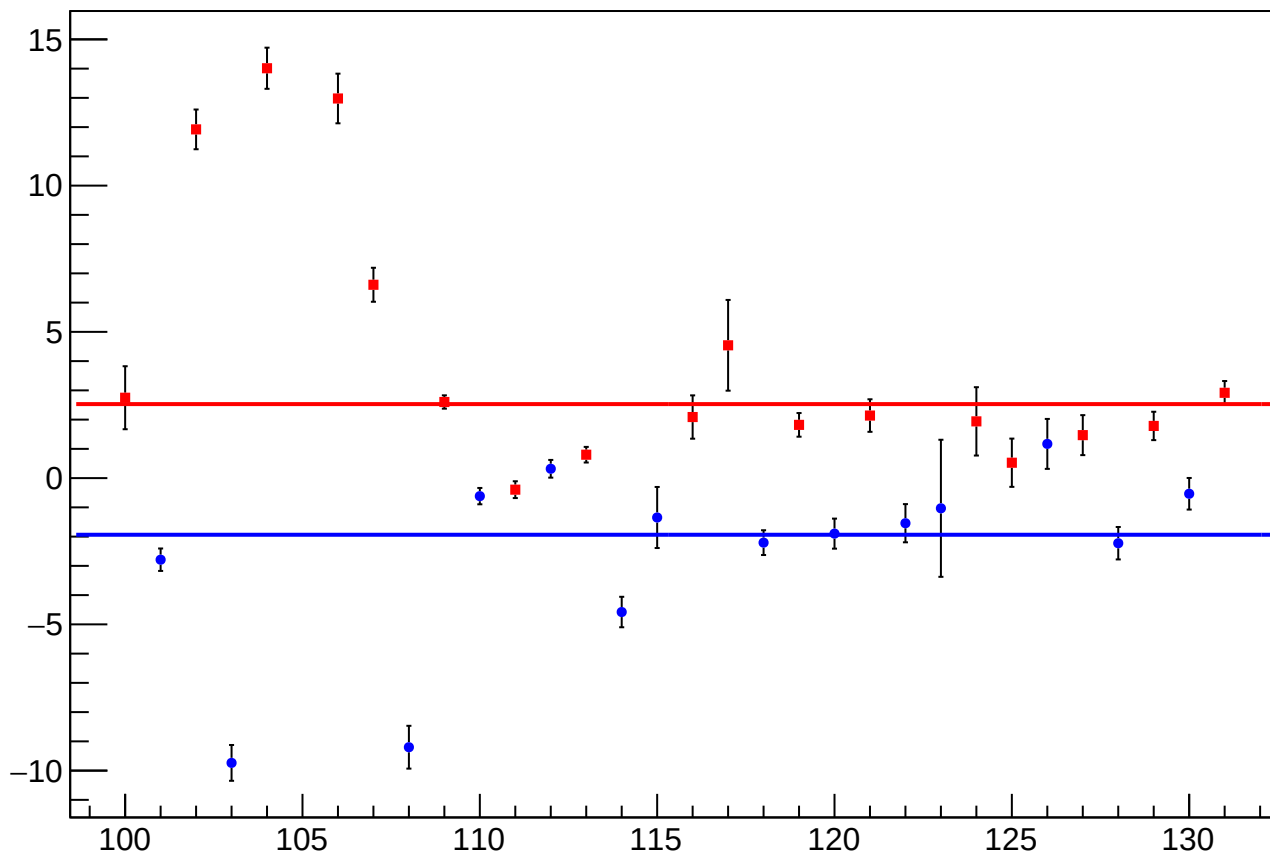
reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.772 $\pm$ 0.069  $\chi^2$ /NDF: 533.4/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -1.241 $\pm$ 0.066  $\chi^2$ /NDF: 880.4/16  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.772 $\pm$ 0.069  $\chi^2$ /NDF: 533.4/13  
 0.188 $\pm$ 0.048  $\chi^2$ /NDF: 2410.2/30  
 -1.241 $\pm$ 0.066  $\chi^2$ /NDF: 880.4/16

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.936+/-0.130  $\chi^2$ /NDF: 390.8/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.531+/-0.111  $\chi^2$ /NDF: 821.9/16

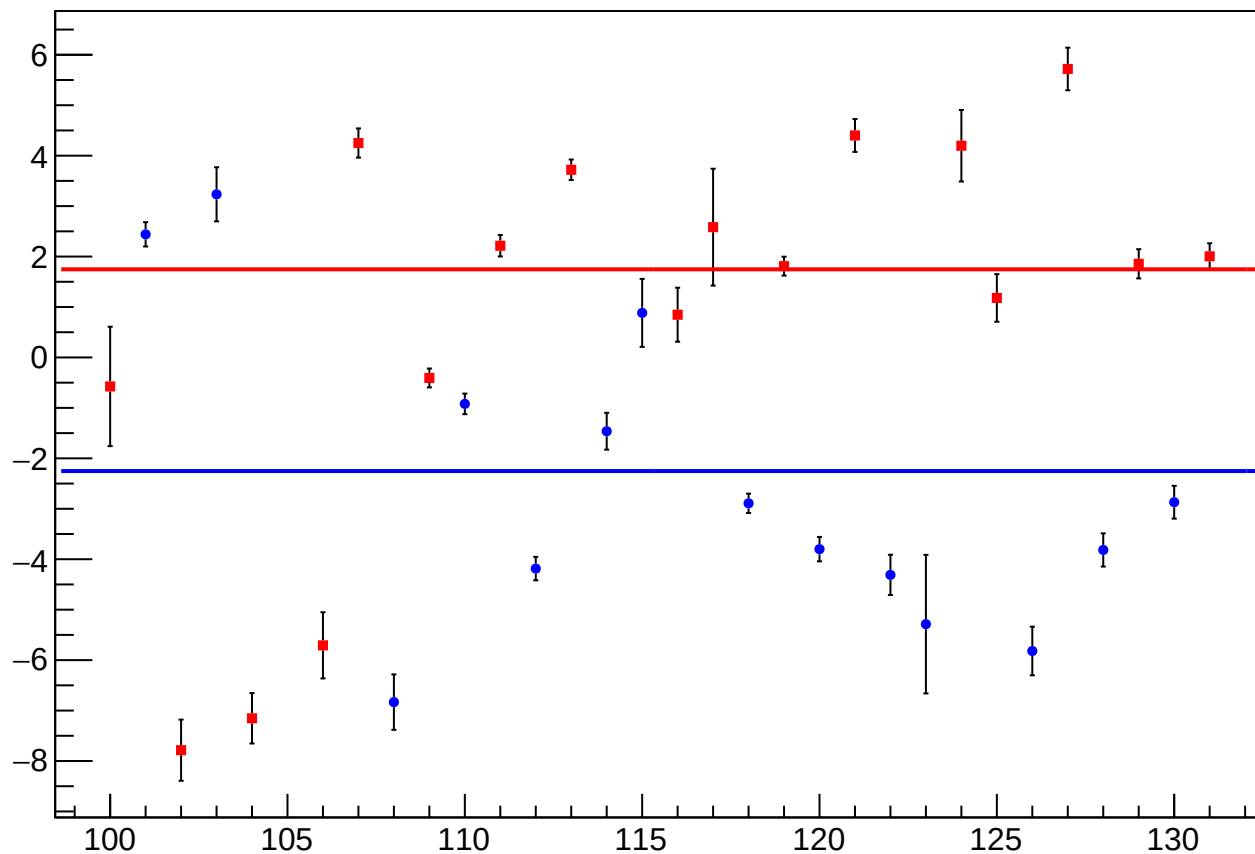
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-1.936+/-0.130  $\chi^2$ /NDF: 390.8/13

0.640+/-0.084  $\chi^2$ /NDF: 1898.7/30

2.531+/-0.111  $\chi^2$ /NDF: 821.9/16

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.252+/-0.082  $\chi^2$ /NDF: 857.3/13

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.747+/-0.075  $\chi^2$ /NDF: 1176.1/16

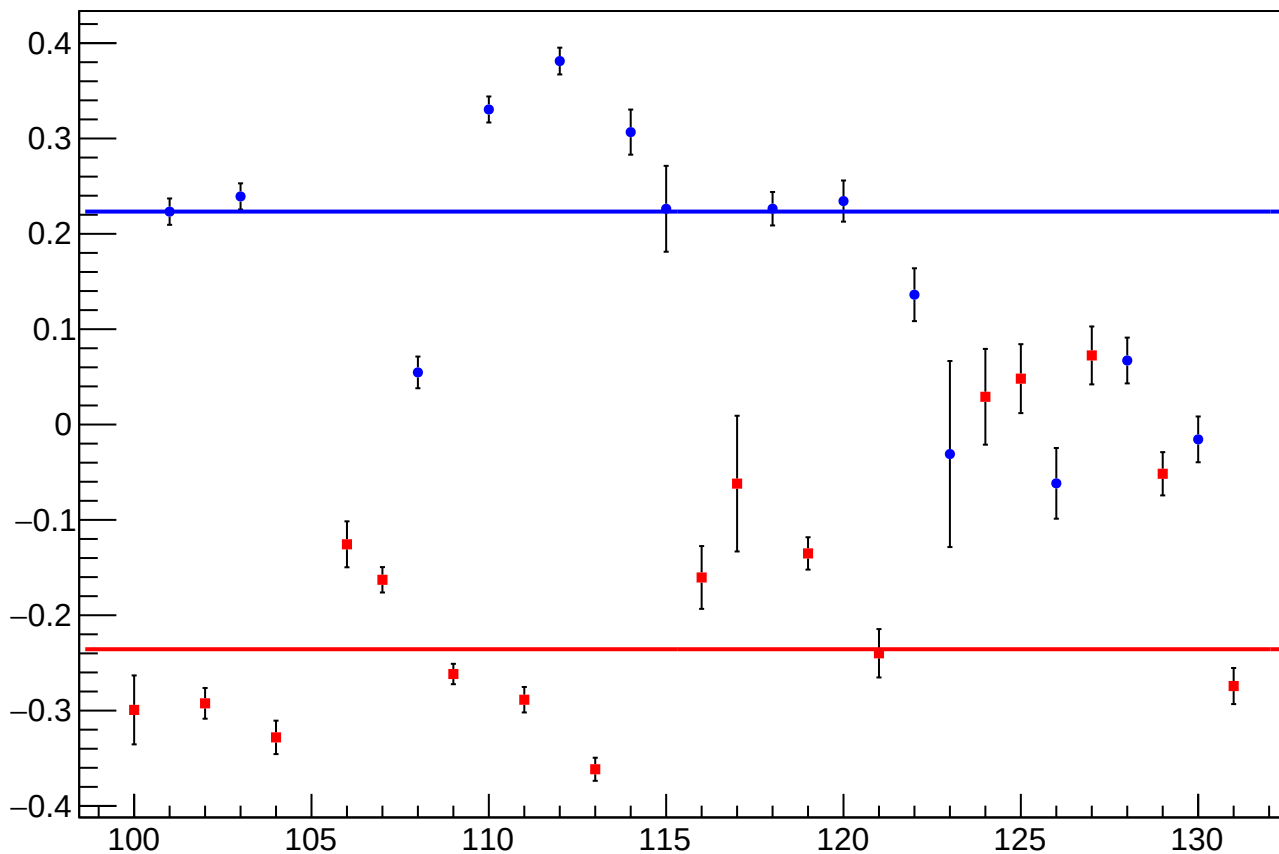
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.252+/-0.082  $\chi^2$ /NDF: 857.3/13

-0.086+/-0.055  $\chi^2$ /NDF: 3336.1/30

1.747+/-0.075  $\chi^2$ /NDF: 1176.1/16

reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.223+/-0.005  $\chi^2/\text{NDF}$ : 522.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.236+/-0.004  $\chi^2/\text{NDF}$ : 532.4/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.223+/-0.005  $\chi^2/\text{NDF}$ : 522.4/13

-0.037+/-0.003  $\chi^2/\text{NDF}$ : 5578.2/30

-0.236+/-0.004  $\chi^2/\text{NDF}$ : 532.4/16