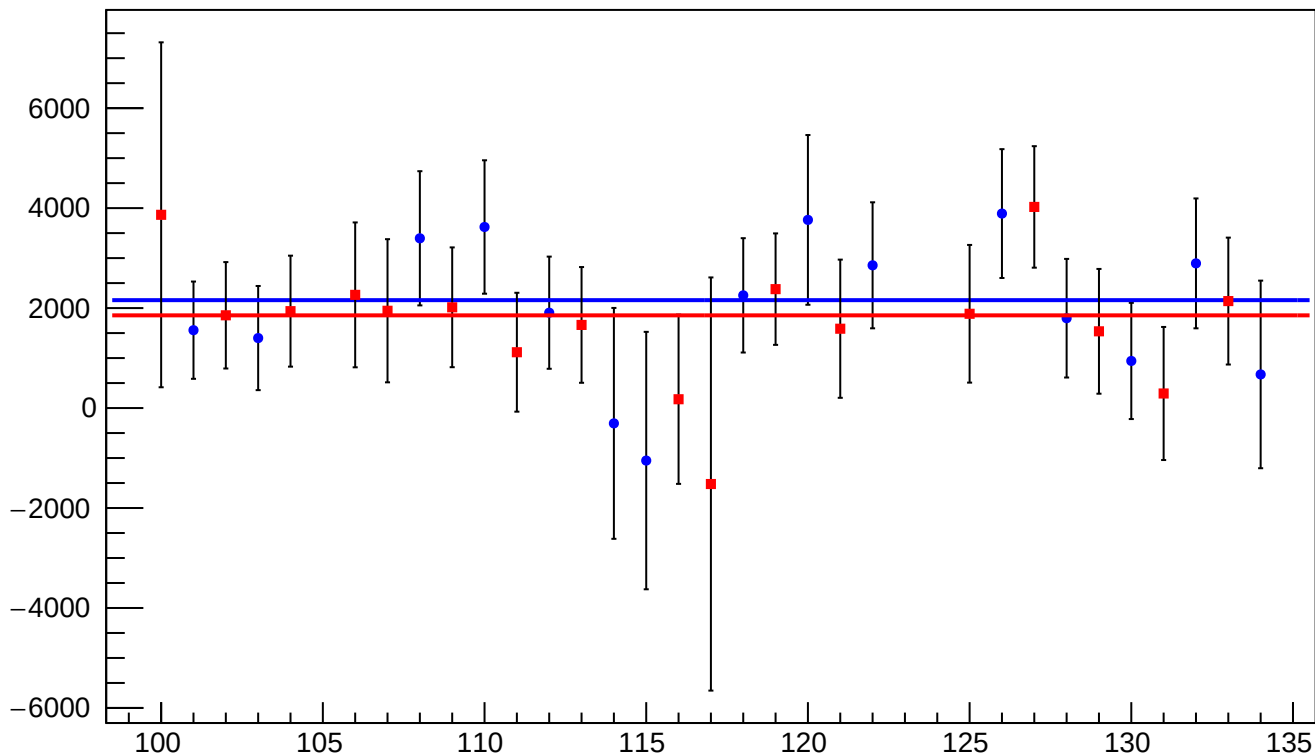


# dit\_asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 2158.591+/-335.299  $\chi^2/\text{NDF}$ : 10.9/14

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

Right Out: 1854.567+/-321.799  $\chi^2/\text{NDF}$ : 7.4/16

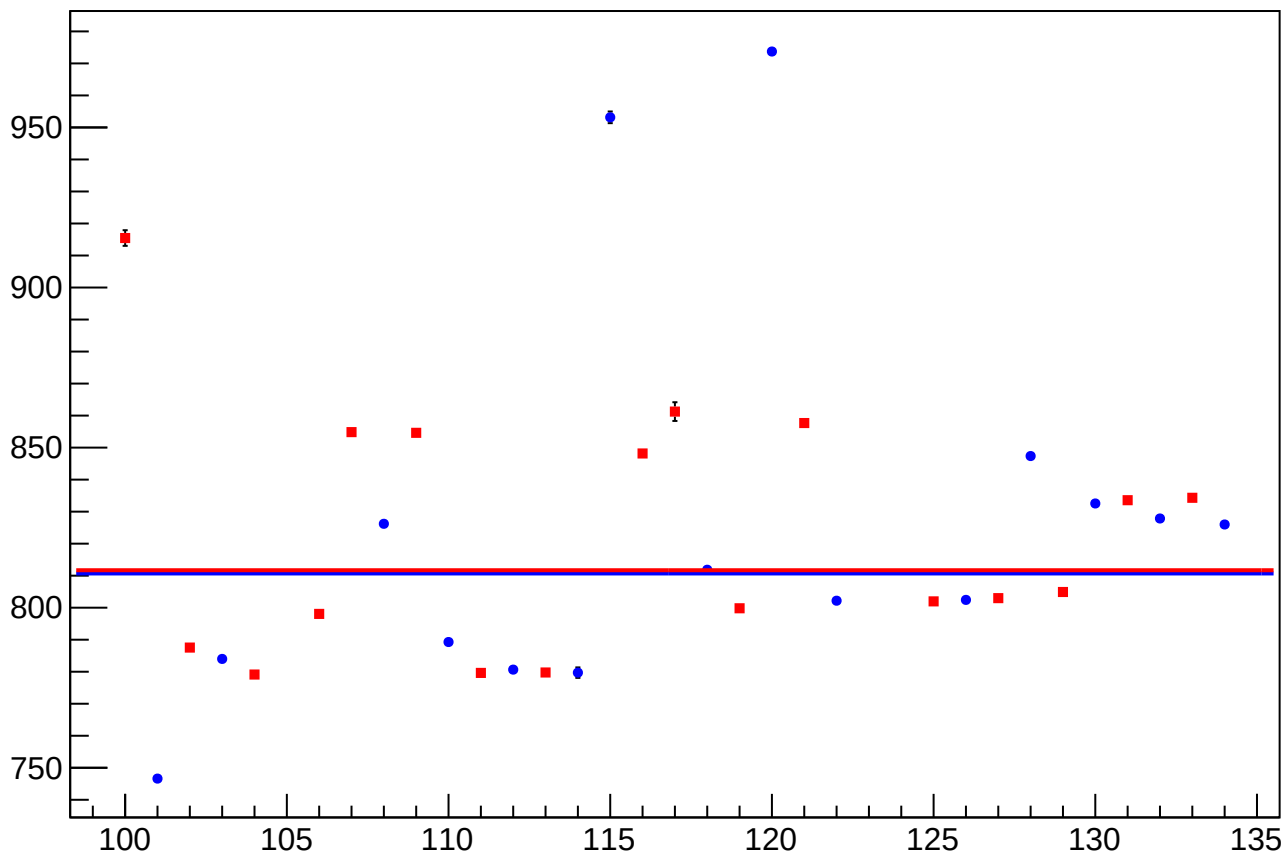
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2158.591+/-335.299  $\chi^2/\text{NDF}$ : 10.9/14

2000.335+/-232.172  $\chi^2/\text{NDF}$ : 18.7/31

1854.567+/-321.799  $\chi^2/\text{NDF}$ : 7.4/16

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



Right In: 810.691+/-0.237  $\chi^2/\text{NDF}$ : 40389.3/14

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

Right Out: 811.699+/-0.228  $\chi^2/\text{NDF}$ : 17186.7/16

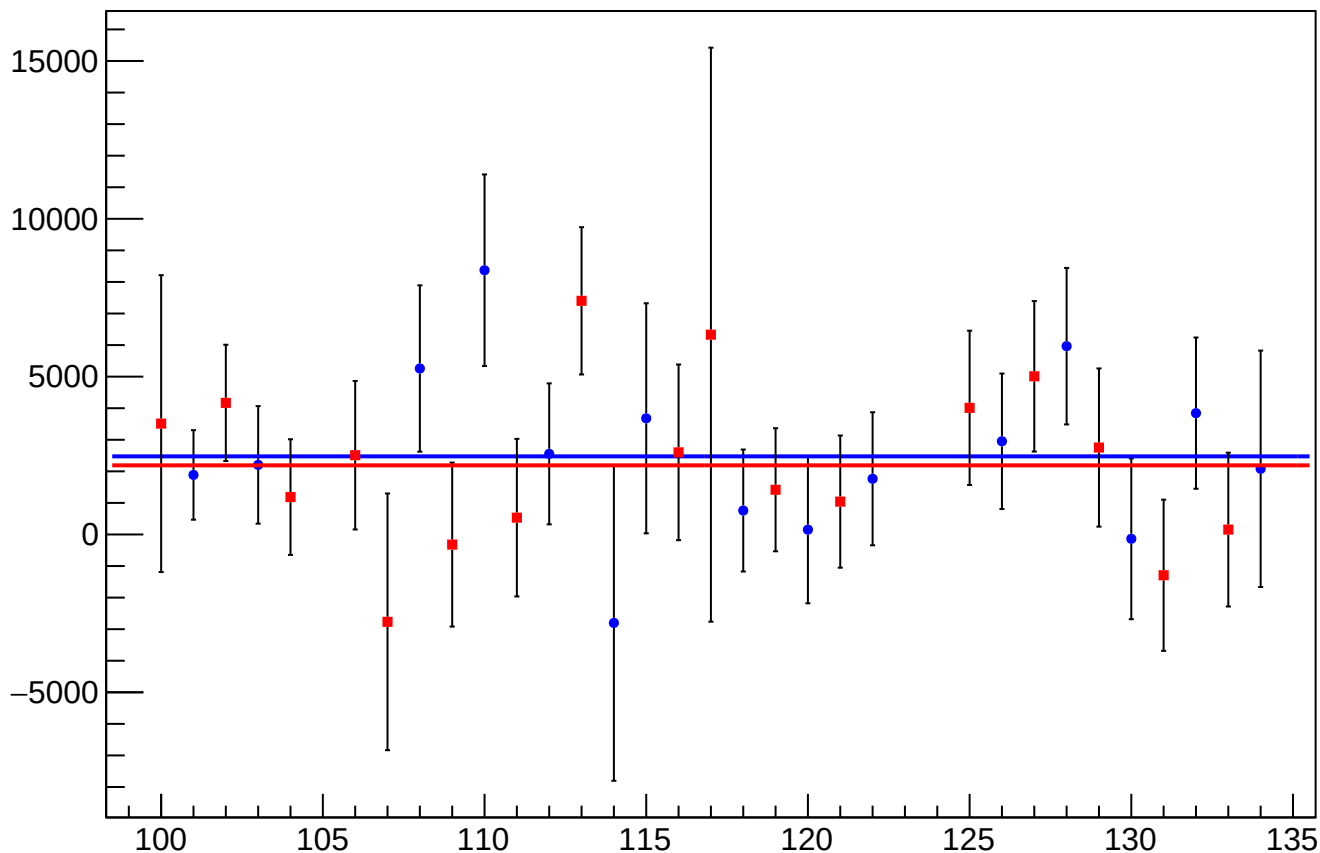
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

810.691+/-0.237  $\chi^2/\text{NDF}$ : 40389.3/14

811.215+/-0.164  $\chi^2/\text{NDF}$ : 57585.4/31

811.699+/-0.228  $\chi^2/\text{NDF}$ : 17186.7/16

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



Right In: 2474.705+/-596.512  $\chi^2/\text{NDF}$ : 11.6/14

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

Right Out: 2189.894+/-592.363  $\chi^2/\text{NDF}$ : 14.9/16

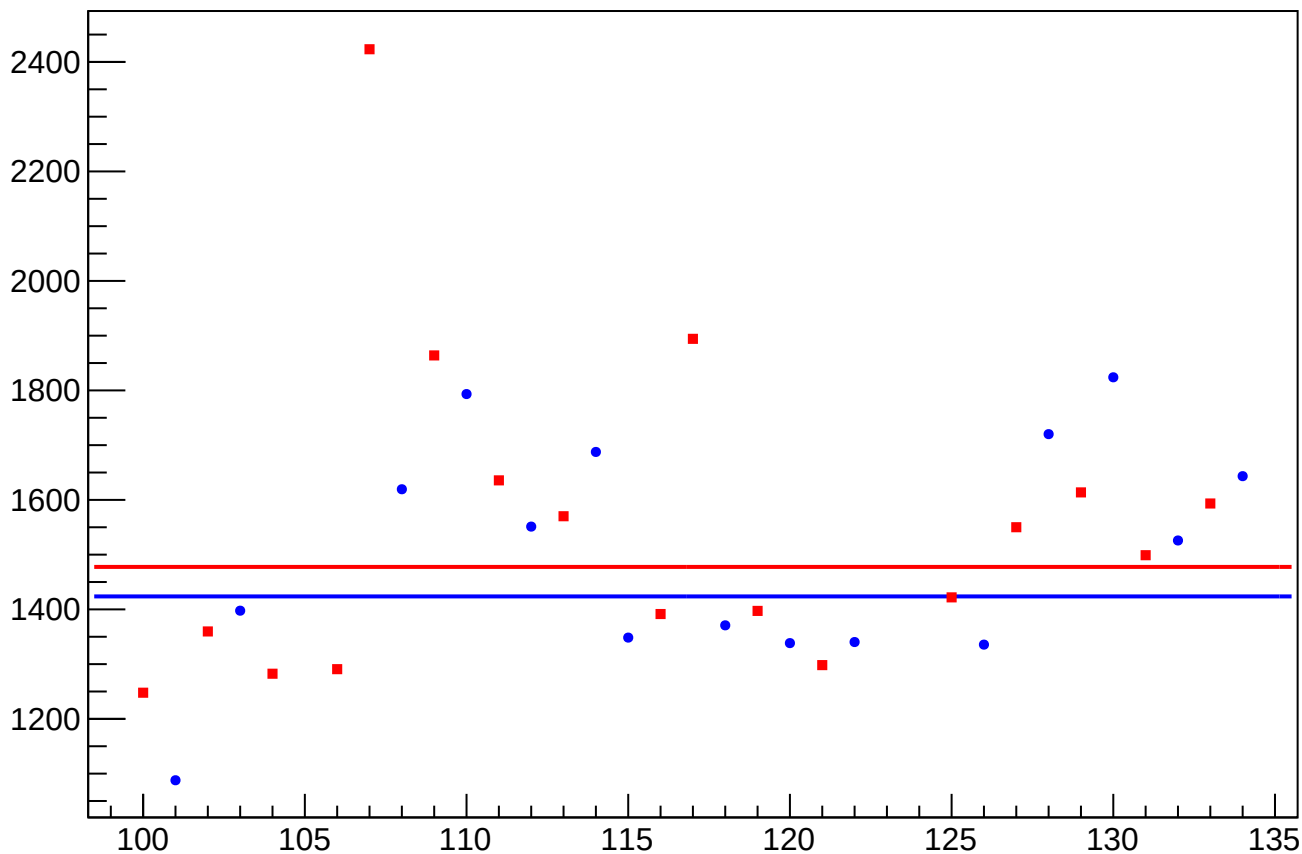
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2474.705+/-596.512  $\chi^2/\text{NDF}$ : 11.6/14

2331.306+/-420.323  $\chi^2/\text{NDF}$ : 26.6/31

2189.894+/-592.363  $\chi^2/\text{NDF}$ : 14.9/16

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



Right In: 1423.693 $\pm$ 0.422  $\chi^2$ /NDF: 265292.9/14

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

Right Out: 1477.584 $\pm$ 0.419  $\chi^2$ /NDF: 249496.6/16

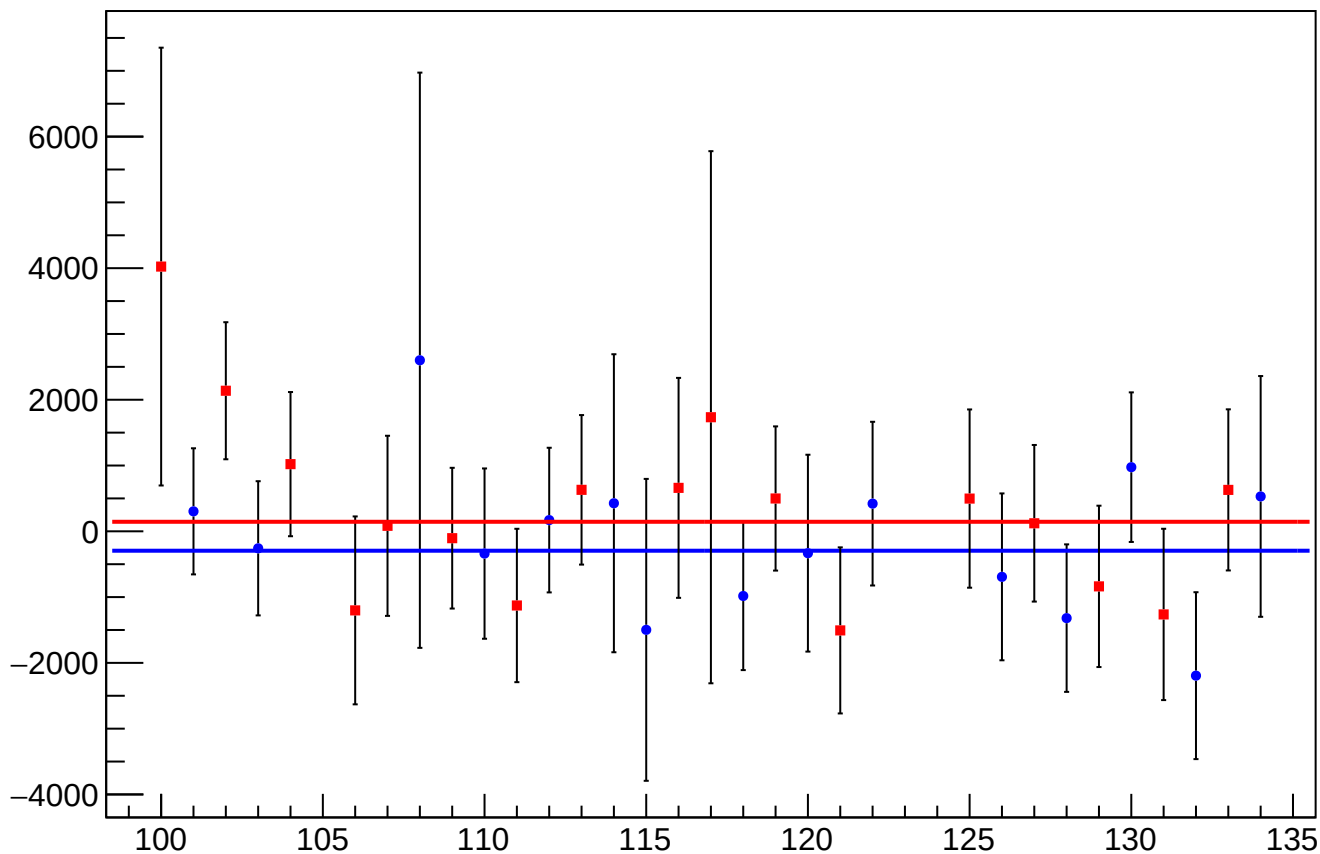
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1423.693 $\pm$ 0.422  $\chi^2$ /NDF: 265292.9/14

1450.826 $\pm$ 0.297  $\chi^2$ /NDF: 523008.2/31

1477.584 $\pm$ 0.419  $\chi^2$ /NDF: 249496.6/16

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



Right In: -295.079+/-335.162  $\chi^2$ /NDF: 6.7/14

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

Right Out: 144.872+/-311.549  $\chi^2$ /NDF: 12.1/16

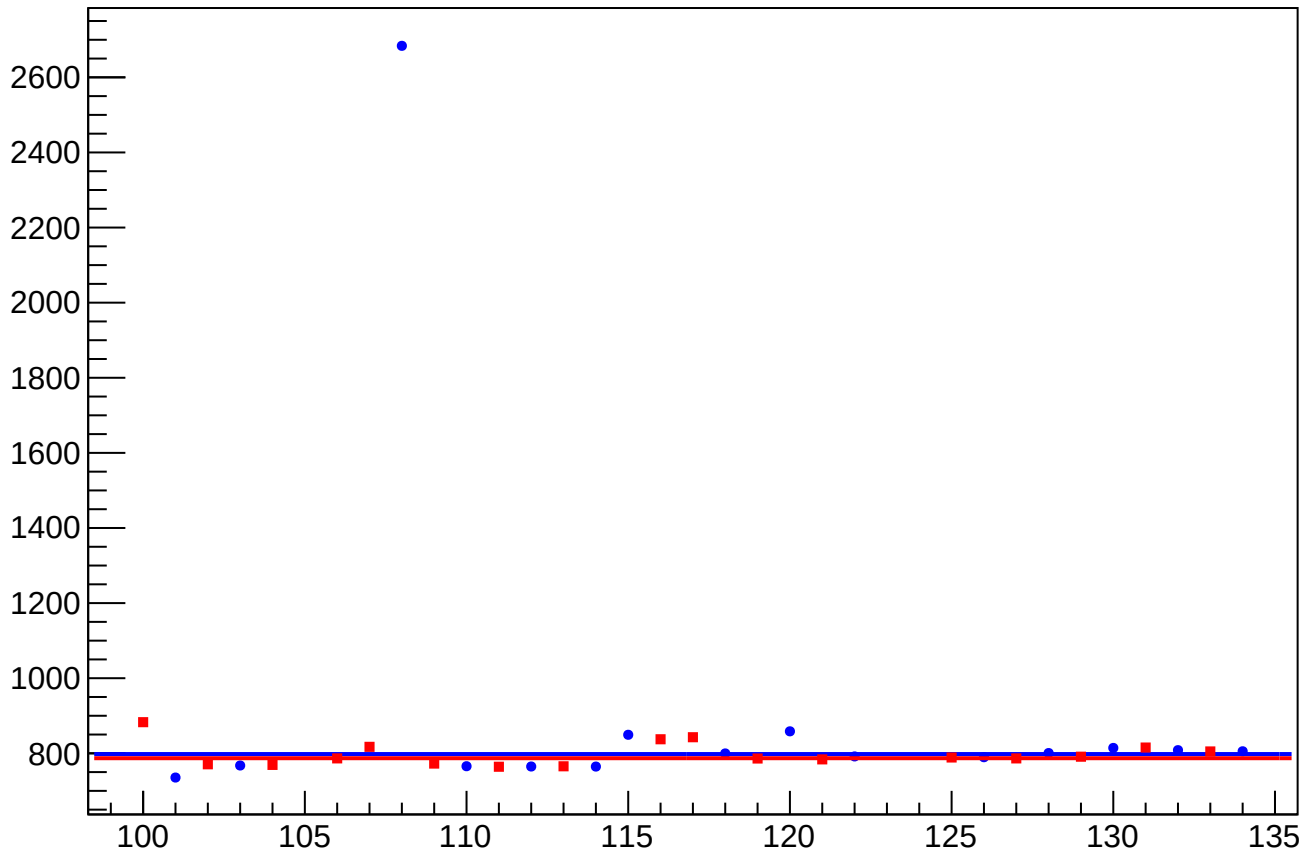
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-295.079+/-335.162  $\chi^2$ /NDF: 6.7/14

-59.061+/-228.190  $\chi^2$ /NDF: 19.7/31

144.872+/-311.549  $\chi^2$ /NDF: 12.1/16

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



Right In: 798.054+/-0.237  $\chi^2/\text{NDF}$ : 390877.3/14

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

Right Out: 786.962+/-0.220  $\chi^2/\text{NDF}$ : 9110.9/16

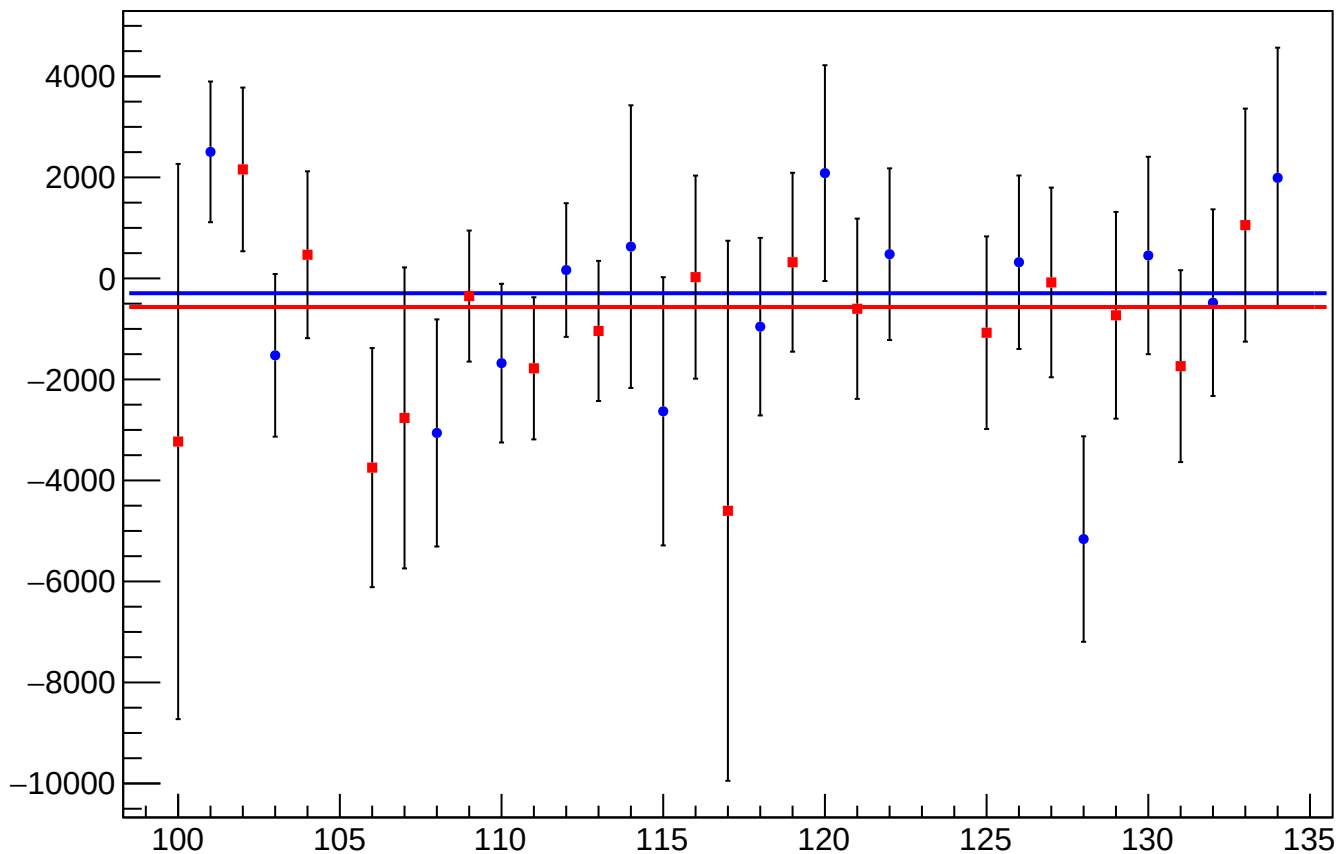
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

798.054+/-0.237  $\chi^2/\text{NDF}$ : 390877.3/14

792.103+/-0.161  $\chi^2/\text{NDF}$ : 401163.3/31

786.962+/-0.220  $\chi^2/\text{NDF}$ : 9110.9/16

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



Right In: -293.534+/-470.374  $\chi^2/\text{NDF}$ : 16.3/14

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

Right Out: -566.637+/-453.256  $\chi^2/\text{NDF}$ : 8.6/16

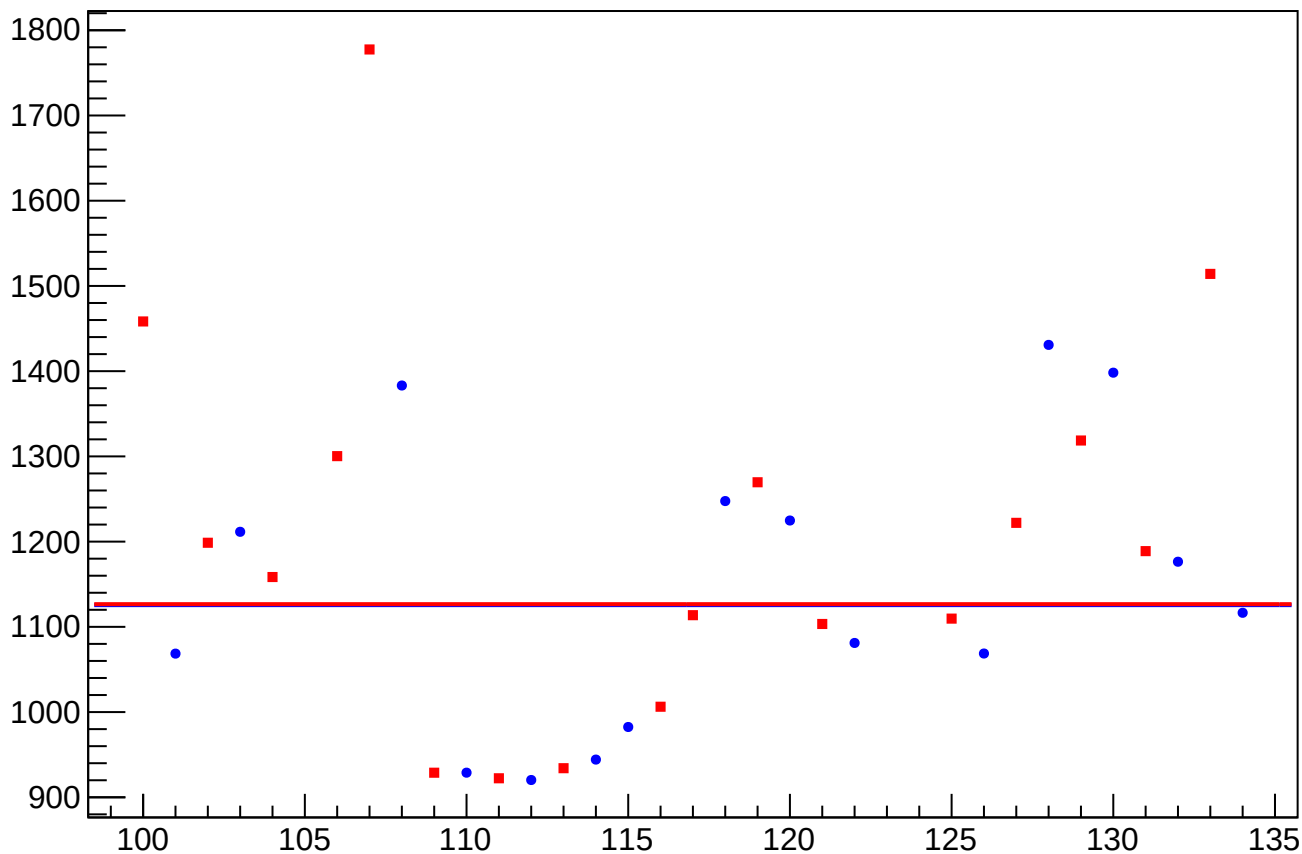
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-293.534+/-470.374  $\chi^2/\text{NDF}$ : 16.3/14

-435.145+/-326.384  $\chi^2/\text{NDF}$ : 25.1/31

-566.637+/-453.256  $\chi^2/\text{NDF}$ : 8.6/16

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



Right In: 1125.478 $\pm$ 0.333  $\chi^2$ /NDF: 231994.0/14

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

Right Out: 1126.628 $\pm$ 0.321  $\chi^2$ /NDF: 347345.6/16

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

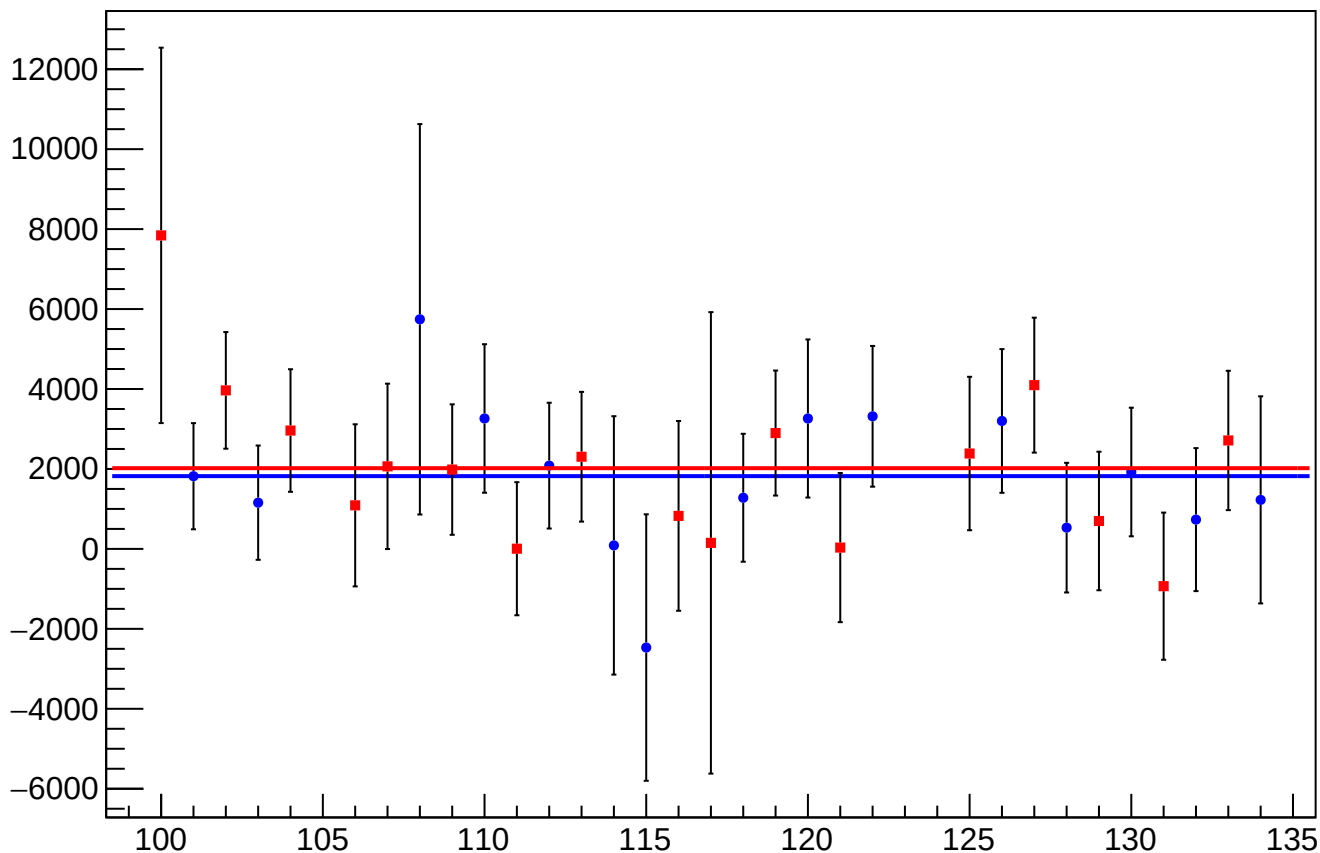
1125.478 $\pm$ 0.333  $\chi^2$ /NDF: 231994.0/14

1126.074 $\pm$ 0.231  $\chi^2$ /NDF: 579345.9/31

1126.628 $\pm$ 0.321  $\chi^2$ /NDF: 347345.6/16



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



Right In: 1820.116+/-472.247  $\chi^2/\text{NDF}$ : 6.4/14

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

Right Out: 2019.081+/-446.465  $\chi^2/\text{NDF}$ : 12.1/16

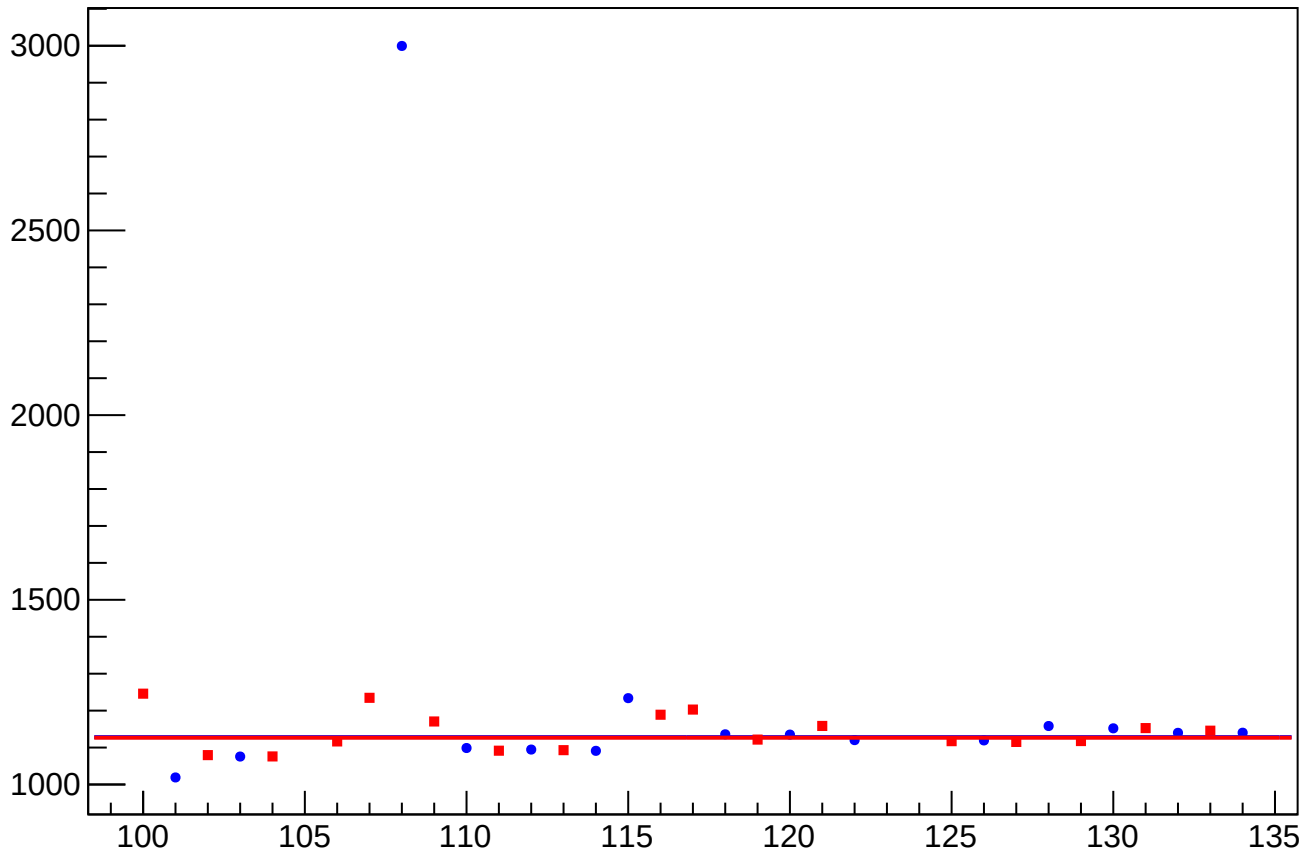
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1820.116+/-472.247  $\chi^2/\text{NDF}$ : 6.4/14

1925.178+/-324.430  $\chi^2/\text{NDF}$ : 18.6/31

2019.081+/-446.465  $\chi^2/\text{NDF}$ : 12.1/16

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



Right In: 1128.265 $\pm$ 0.334  $\chi^2$ /NDF: 314972.0/14

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

Right Out: 1126.730 $\pm$ 0.316  $\chi^2$ /NDF: 17426.9/16

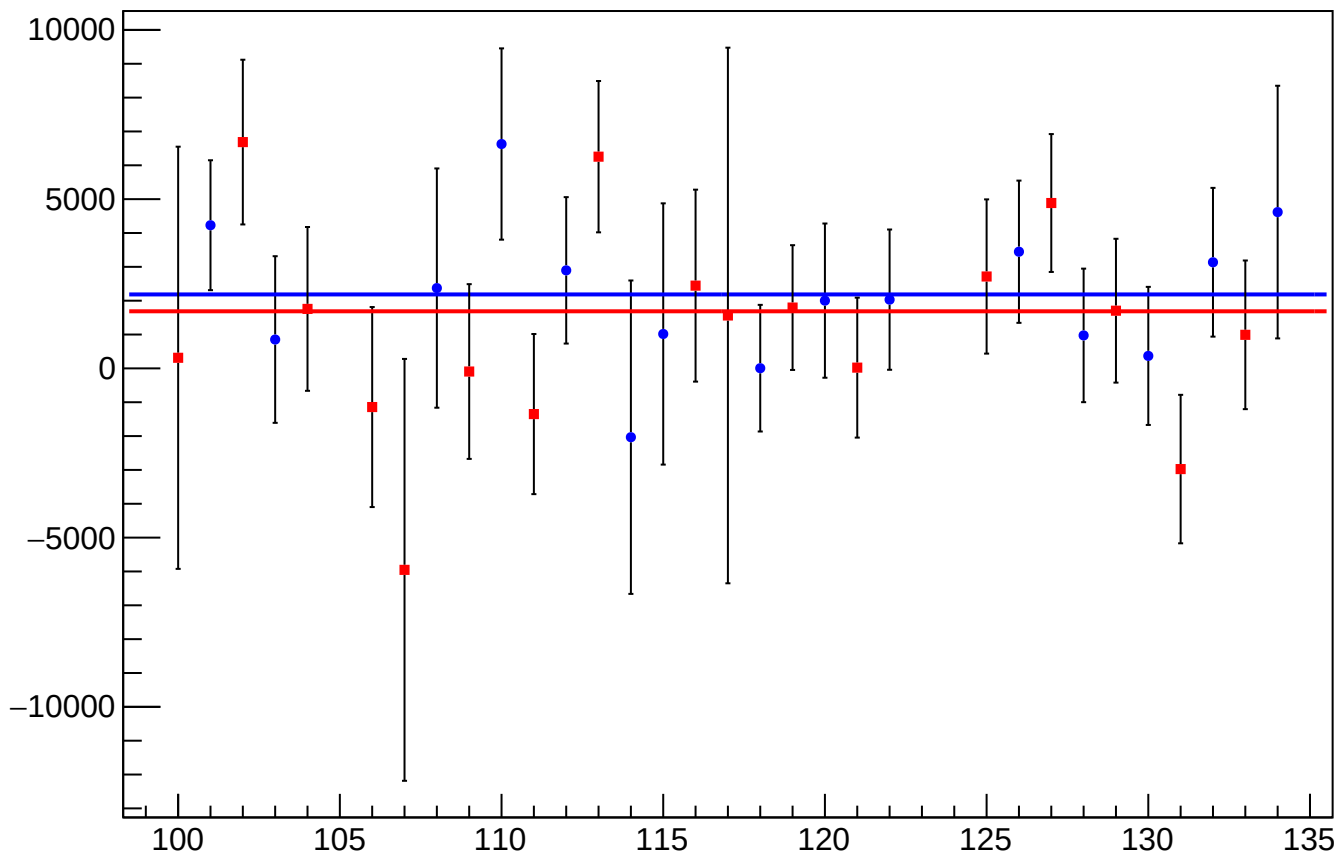
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1128.265 $\pm$ 0.334  $\chi^2$ /NDF: 314972.0/14

1127.455 $\pm$ 0.229  $\chi^2$ /NDF: 332410.0/31

1126.730 $\pm$ 0.316  $\chi^2$ /NDF: 17426.9/16

# asym\_usl\_mean vs Slug, Sign Corrected



Right In: 2184.937+/-610.475  $\chi^2/\text{NDF}$ : 8.4/14

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

Right Out: 1686.614+/-600.463  $\chi^2/\text{NDF}$ : 21.0/16

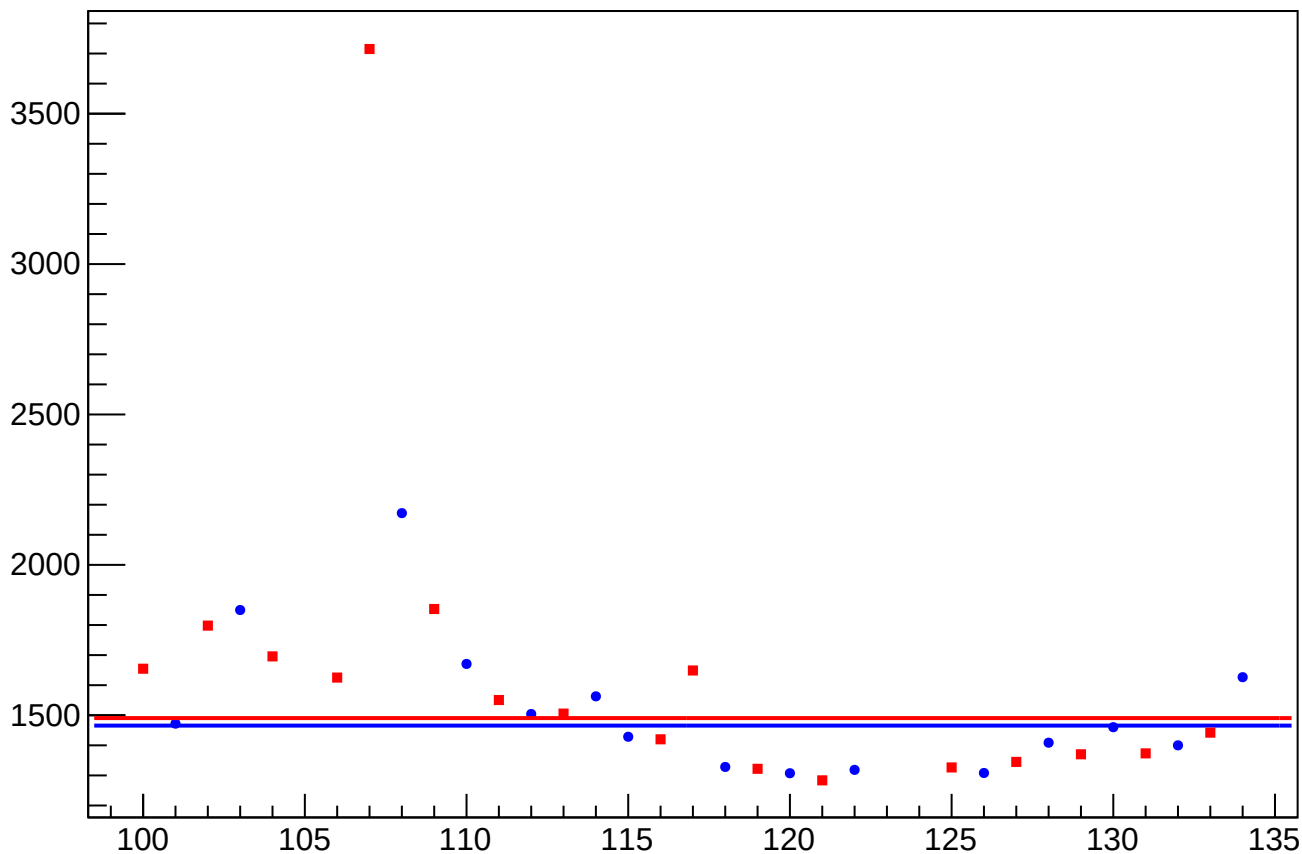
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2184.937+/-610.475  $\chi^2/\text{NDF}$ : 8.4/14

1931.656+/-428.088  $\chi^2/\text{NDF}$ : 29.8/31

1686.614+/-600.463  $\chi^2/\text{NDF}$ : 21.0/16

# asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1465.640 $\pm$ 0.432  $\chi^2$ /NDF: 189801.6/14

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

Right Out: 1490.575 $\pm$ 0.425  $\chi^2$ /NDF: 420007.9/16

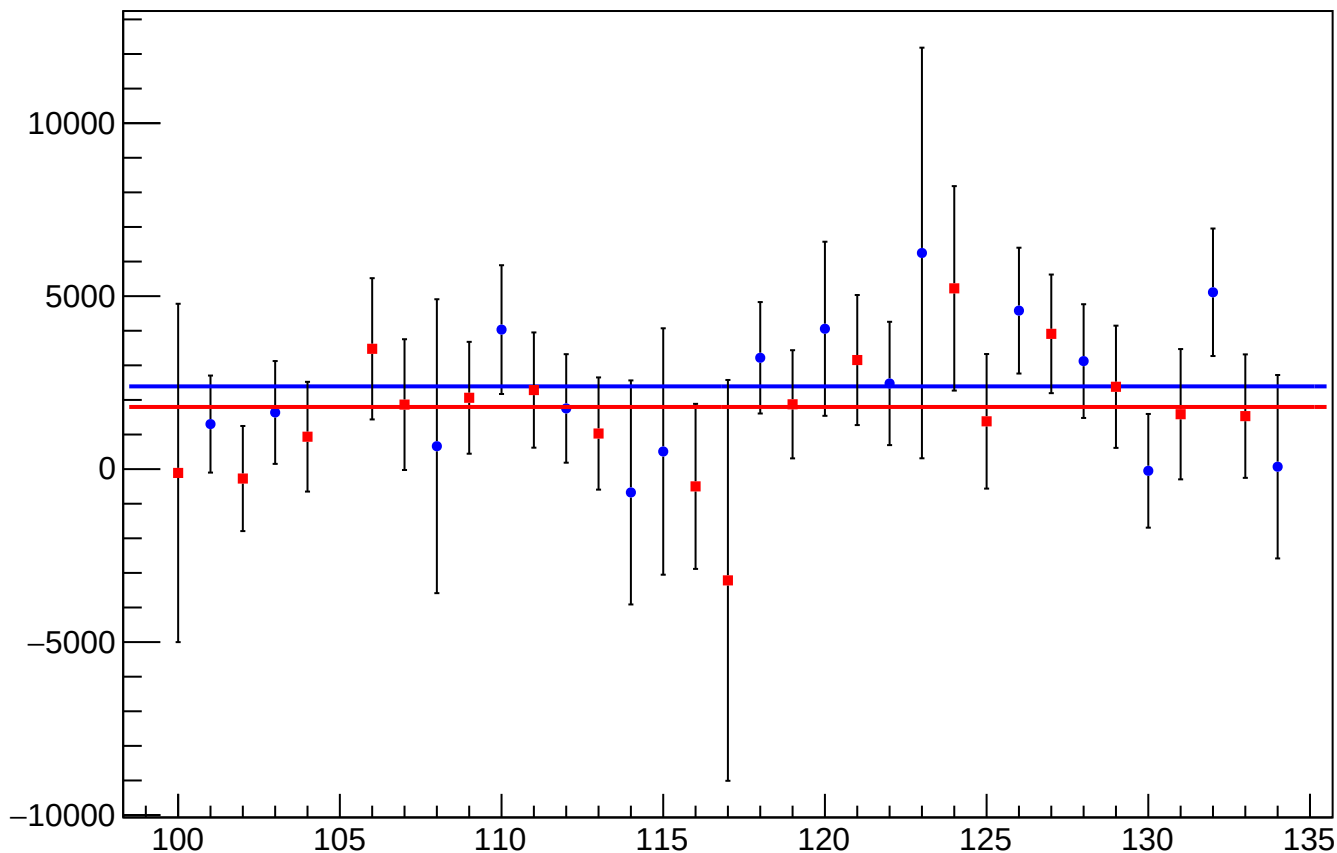
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1465.640 $\pm$ 0.432  $\chi^2$ /NDF: 189801.6/14

1478.314 $\pm$ 0.303  $\chi^2$ /NDF: 611505.5/31

1490.575 $\pm$ 0.425  $\chi^2$ /NDF: 420007.9/16

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



Right In: 2391.915 $\pm$ 484.970  $\chi^2$ /NDF: 11.1/15

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

Right Out: 1796.794 $\pm$ 445.057  $\chi^2$ /NDF: 8.6/17

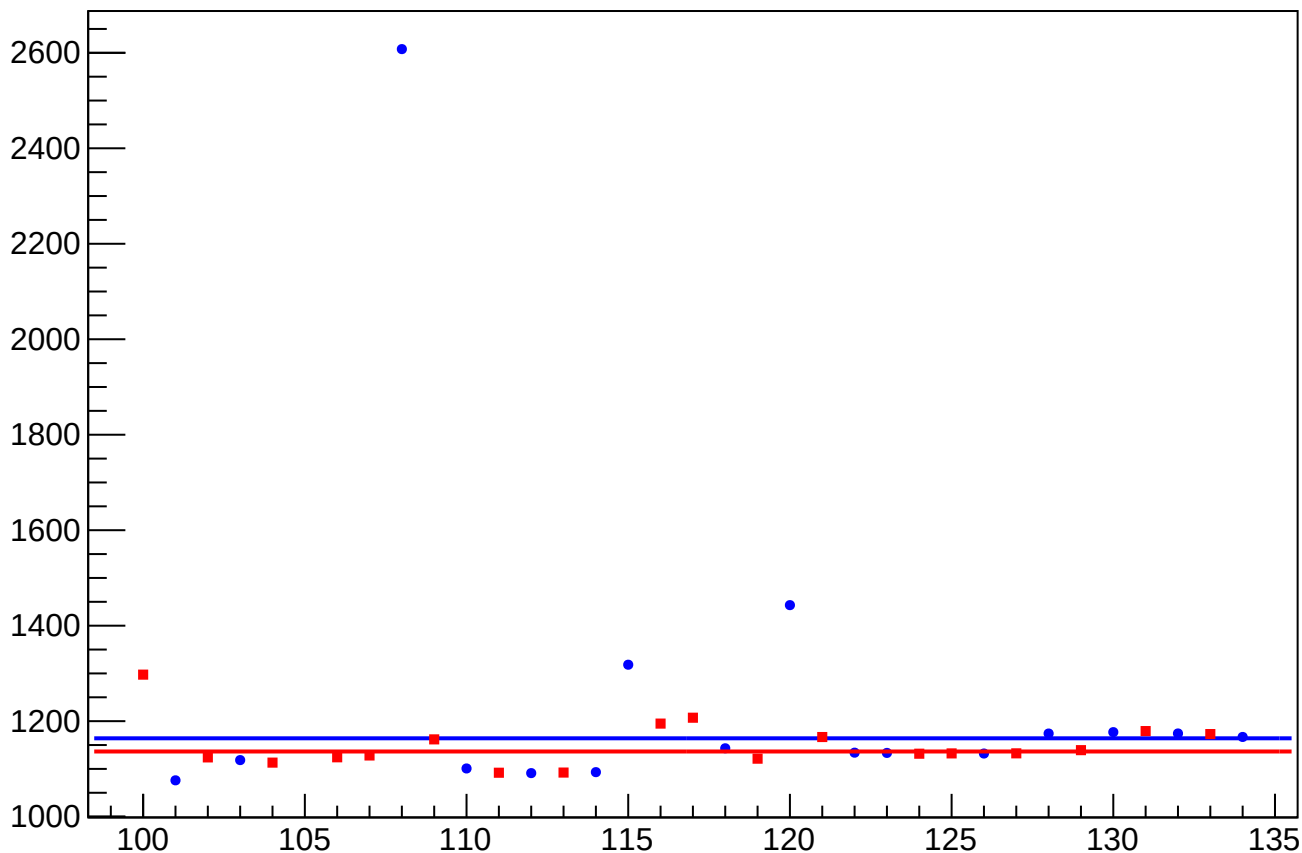
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2391.915 $\pm$ 484.970  $\chi^2$ /NDF: 11.1/15

2068.861 $\pm$ 327.907  $\chi^2$ /NDF: 20.5/33

1796.794 $\pm$ 445.057  $\chi^2$ /NDF: 8.6/17

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



Right In: 1164.089 $\pm$ 0.343  $\chi^2$ /NDF: 278495.1/15

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

Right Out: 1136.473 $\pm$ 0.315  $\chi^2$ /NDF: 10341.5/17

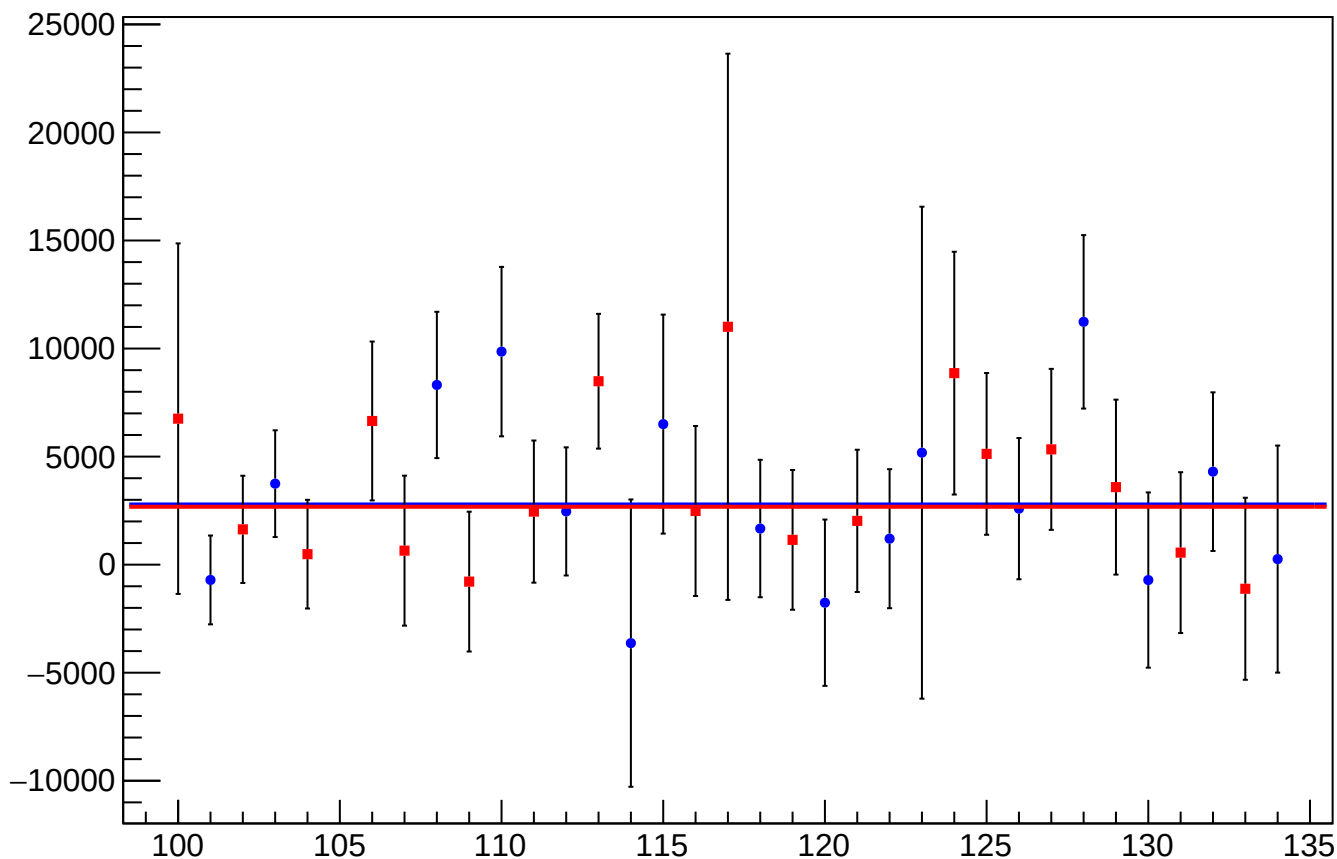
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1164.089 $\pm$ 0.343  $\chi^2$ /NDF: 278495.1/15

1149.098 $\pm$ 0.232  $\chi^2$ /NDF: 292357.0/33

1136.473 $\pm$ 0.315  $\chi^2$ /NDF: 10341.5/17

# asym\_usr\_mean vs Slug, Sign Corrected



Right In: 2784.804+/-868.317  $\chi^2/\text{NDF}$ : 17.8/15

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

Right Out: 2678.399+/-842.985  $\chi^2/\text{NDF}$ : 11.4/17

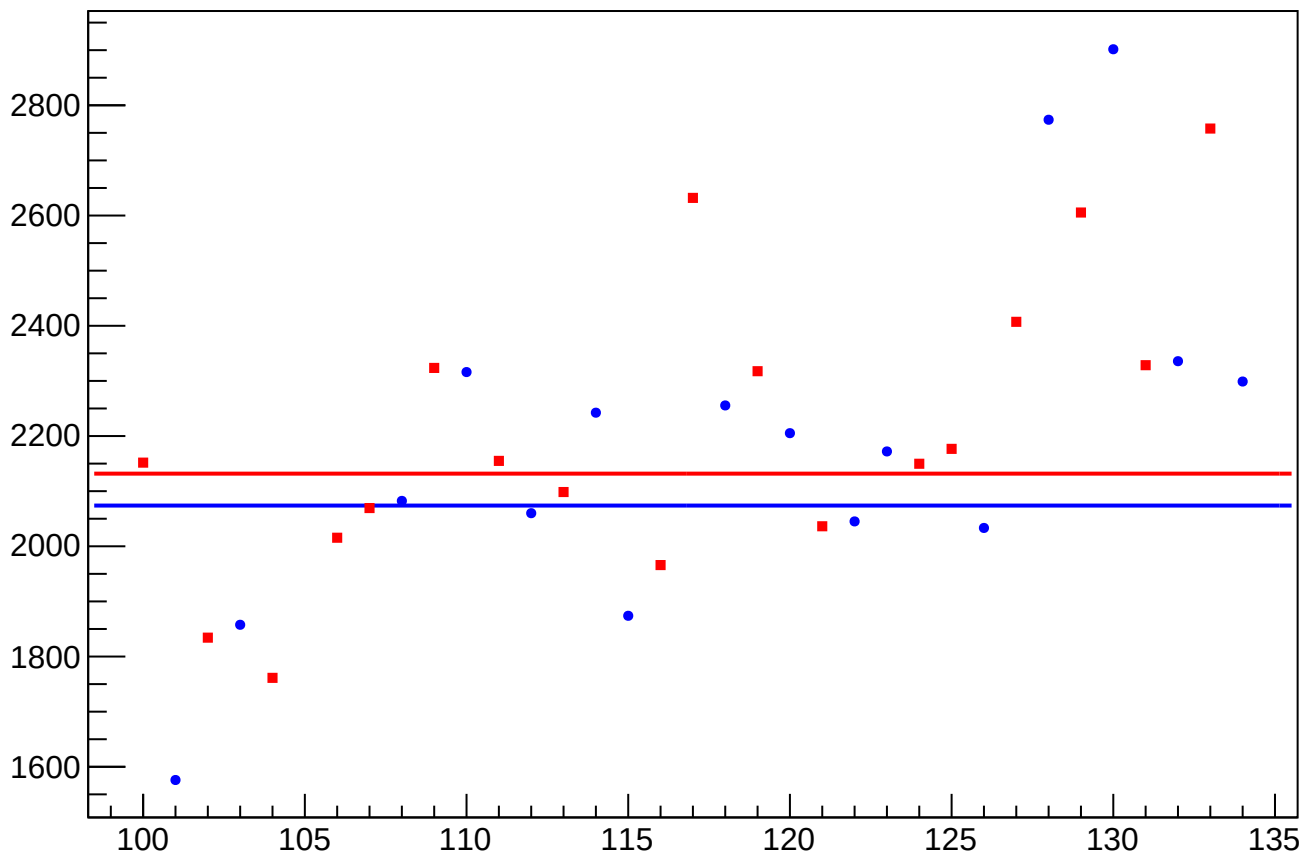
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2784.804+/-868.317  $\chi^2/\text{NDF}$ : 17.8/15

2730.027+/-604.838  $\chi^2/\text{NDF}$ : 29.2/33

2678.399+/-842.985  $\chi^2/\text{NDF}$ : 11.4/17

# asym\_usr\_rms vs Slug, Sign Corrected



Right In: 2073.884 $\pm$ 0.614  $\chi^2$ /NDF: 312307.9/15

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

Right Out: 2131.800 $\pm$ 0.596  $\chi^2$ /NDF: 185561.6/17

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

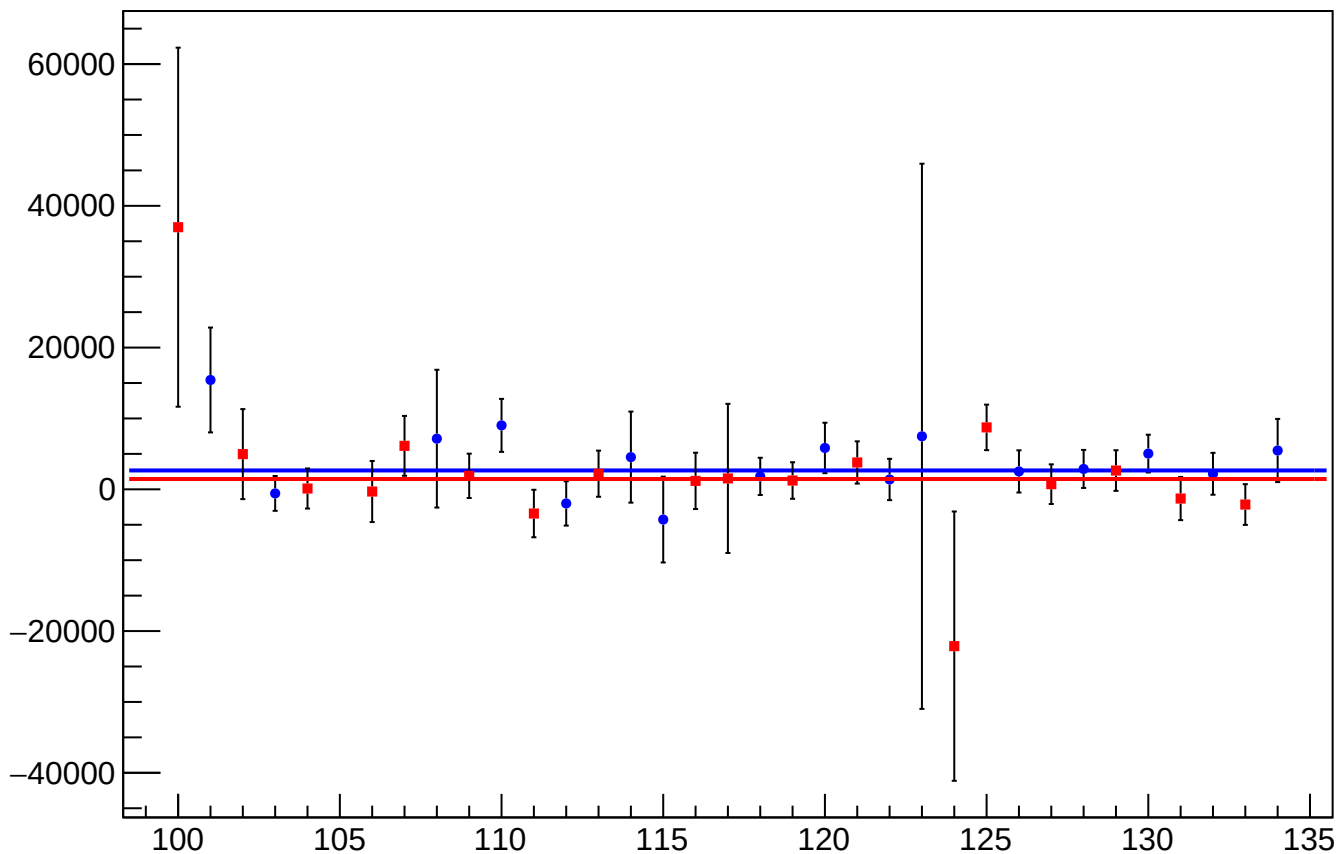
2073.884 $\pm$ 0.614  $\chi^2$ /NDF: 312307.9/15

2103.699 $\pm$ 0.428  $\chi^2$ /NDF: 502450.0/33

2131.800 $\pm$ 0.596  $\chi^2$ /NDF: 185561.6/17



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



Right In: 2663.370+/-870.526  $\chi^2/\text{NDF}$ : 13.8/15

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

Right Out: 1454.571+/-827.394  $\chi^2/\text{NDF}$ : 16.0/17

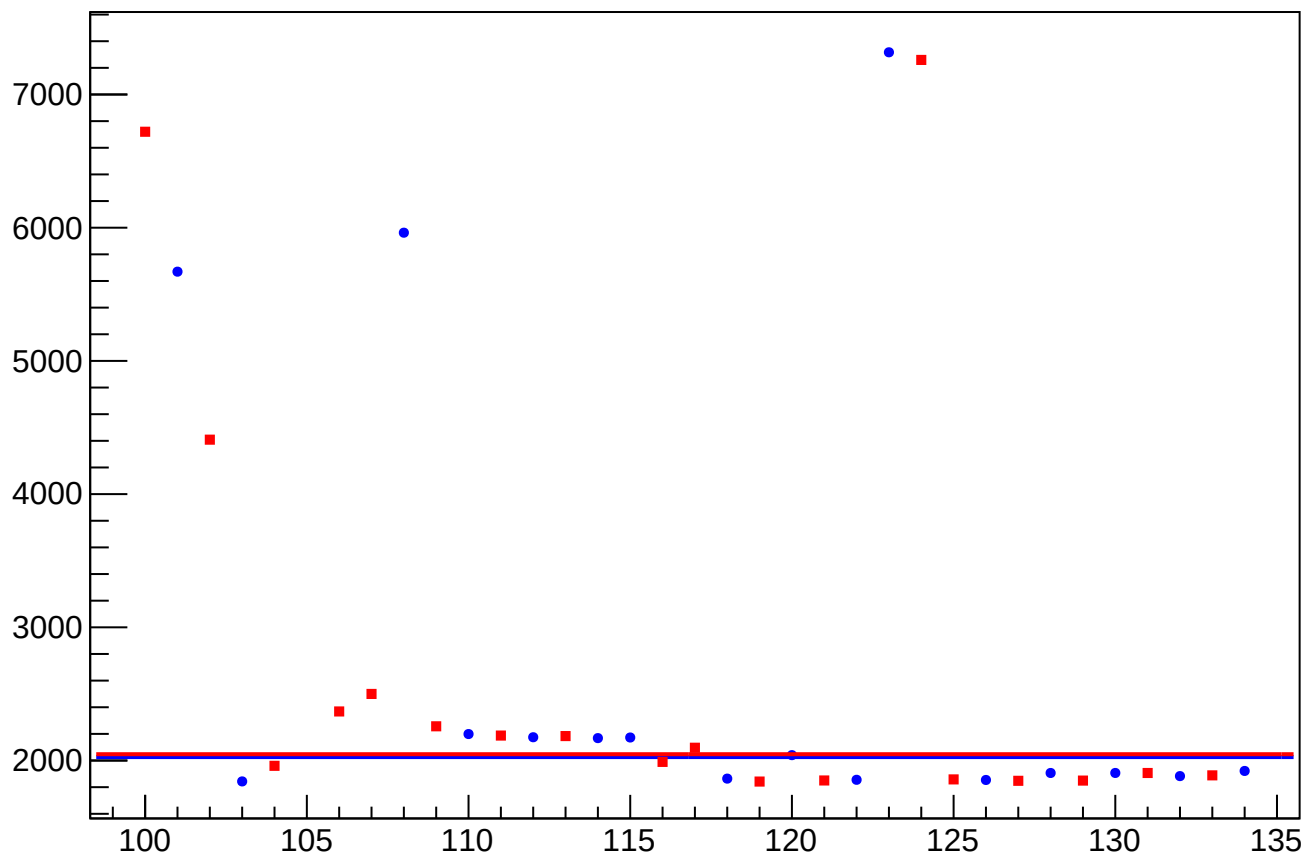
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2663.370+/-870.526  $\chi^2/\text{NDF}$ : 13.8/15

2028.283+/-599.724  $\chi^2/\text{NDF}$ : 30.8/33

1454.571+/-827.394  $\chi^2/\text{NDF}$ : 16.0/17

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



Right In: 2025.925+/-0.616  $\chi^2/\text{NDF}$ : 908102.7/15

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

Right Out: 2047.521+/-0.585  $\chi^2/\text{NDF}$ : 605971.4/17

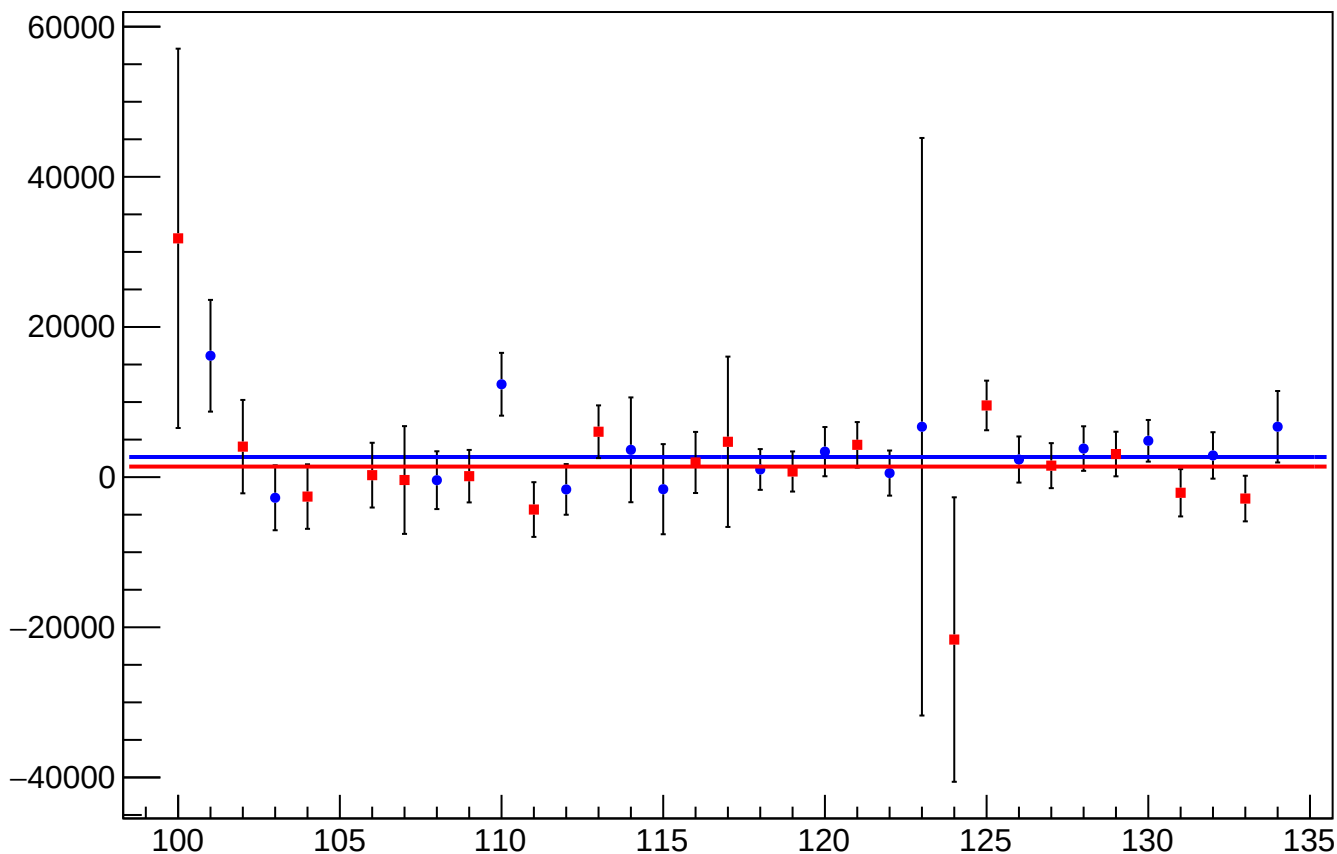
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2025.925+/-0.616  $\chi^2/\text{NDF}$ : 908102.7/15

2037.272+/-0.424  $\chi^2/\text{NDF}$ : 1514720.7/33

2047.521+/-0.585  $\chi^2/\text{NDF}$ : 605971.4/17

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



Right In: 2680.951+/-924.272  $\chi^2/\text{NDF}$ : 15.5/15

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

Right Out: 1405.475+/-898.650  $\chi^2/\text{NDF}$ : 19.1/17

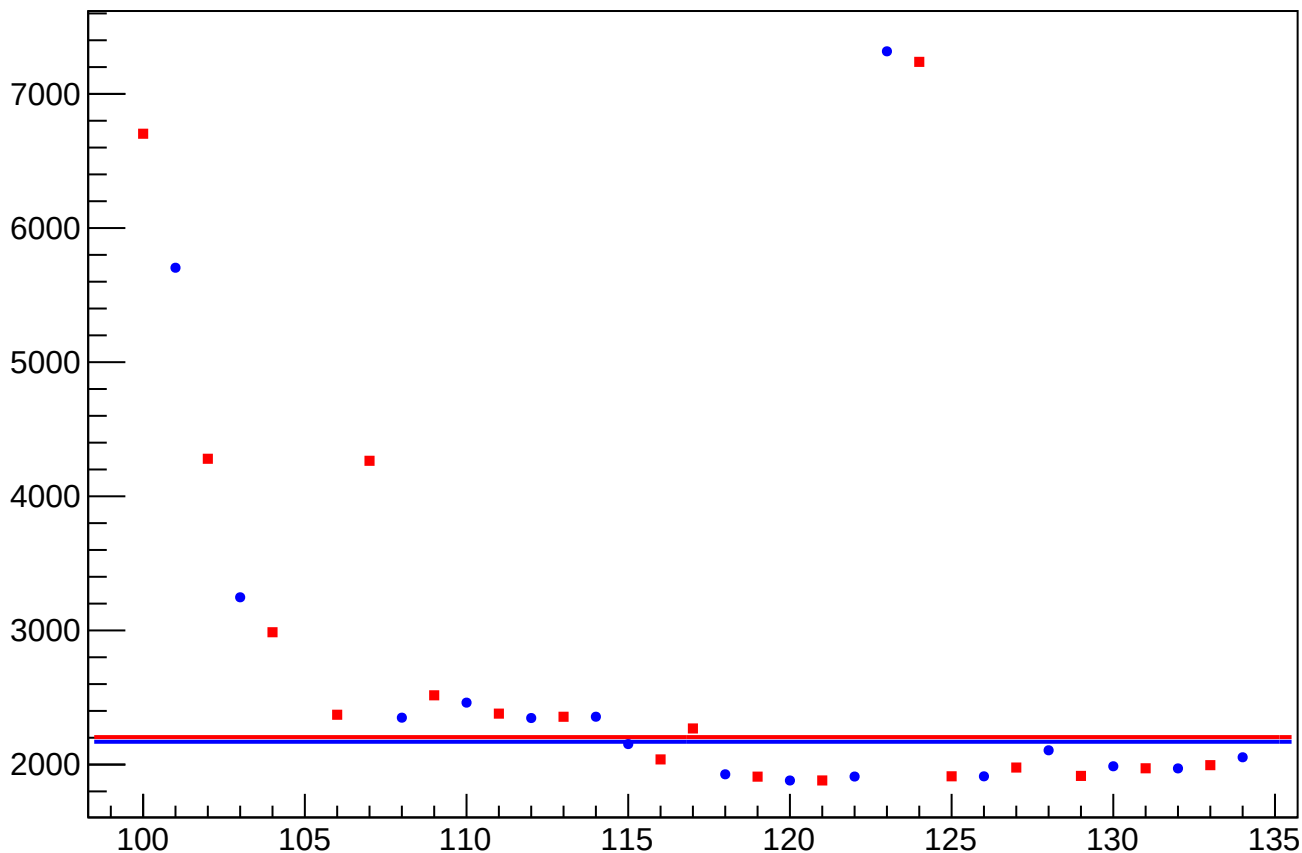
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2680.951+/-924.272  $\chi^2/\text{NDF}$ : 15.5/15

2025.289+/-644.309  $\chi^2/\text{NDF}$ : 35.6/33

1405.475+/-898.650  $\chi^2/\text{NDF}$ : 19.1/17

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



Right In: 2170.005+/-0.654  $\chi^2/\text{NDF}$ : 711546.0/15

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

Right Out: 2204.852+/-0.635  $\chi^2/\text{NDF}$ : 802449.8/17

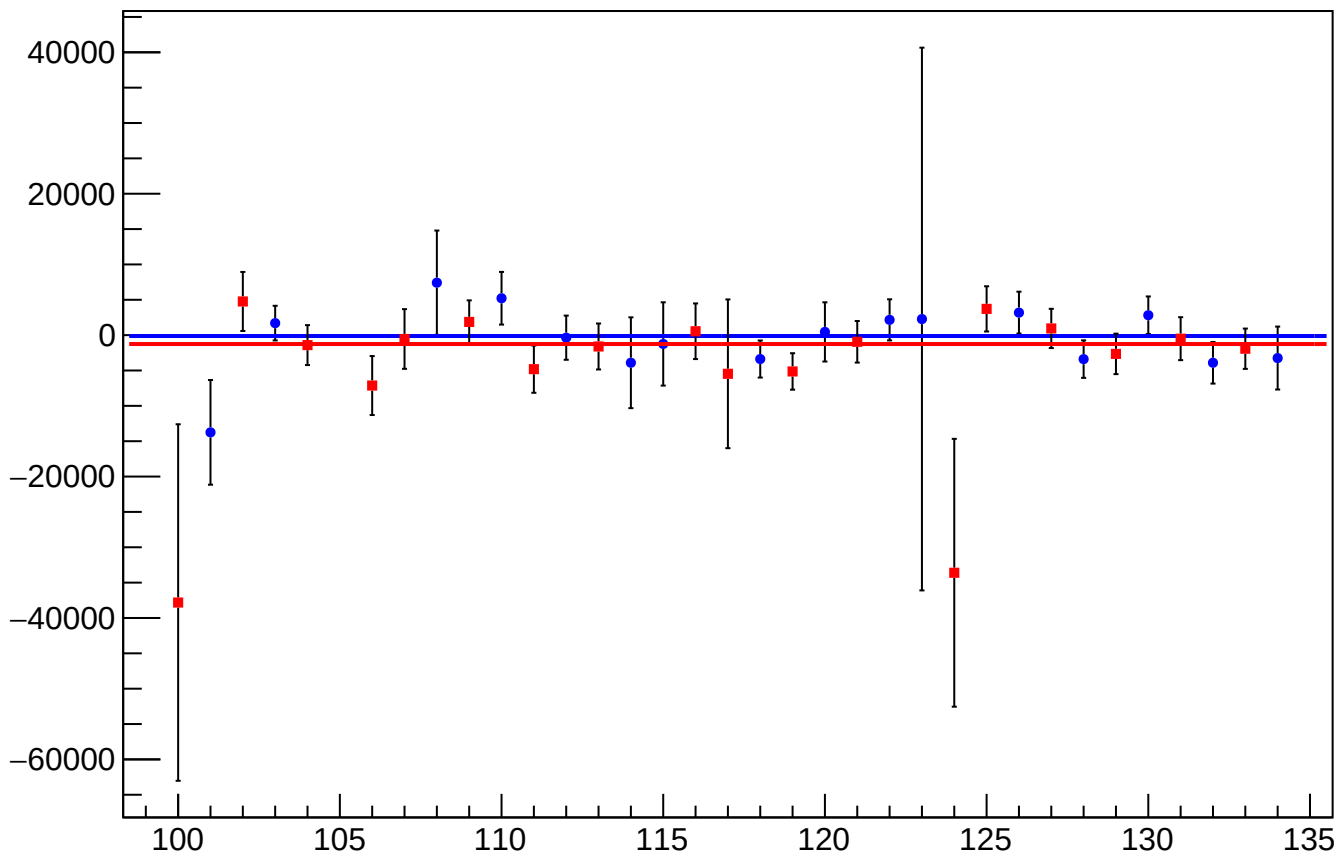
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2170.005+/-0.654  $\chi^2/\text{NDF}$ : 711546.0/15

2187.918+/-0.456  $\chi^2/\text{NDF}$ : 1515457.1/33

2204.852+/-0.635  $\chi^2/\text{NDF}$ : 802449.8/17

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



Right In: -124.274+/-871.591  $\chi^2$ /NDF: 15.8/15

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

Right Out: -1256.468+/-812.776  $\chi^2$ /NDF: 17.4/17

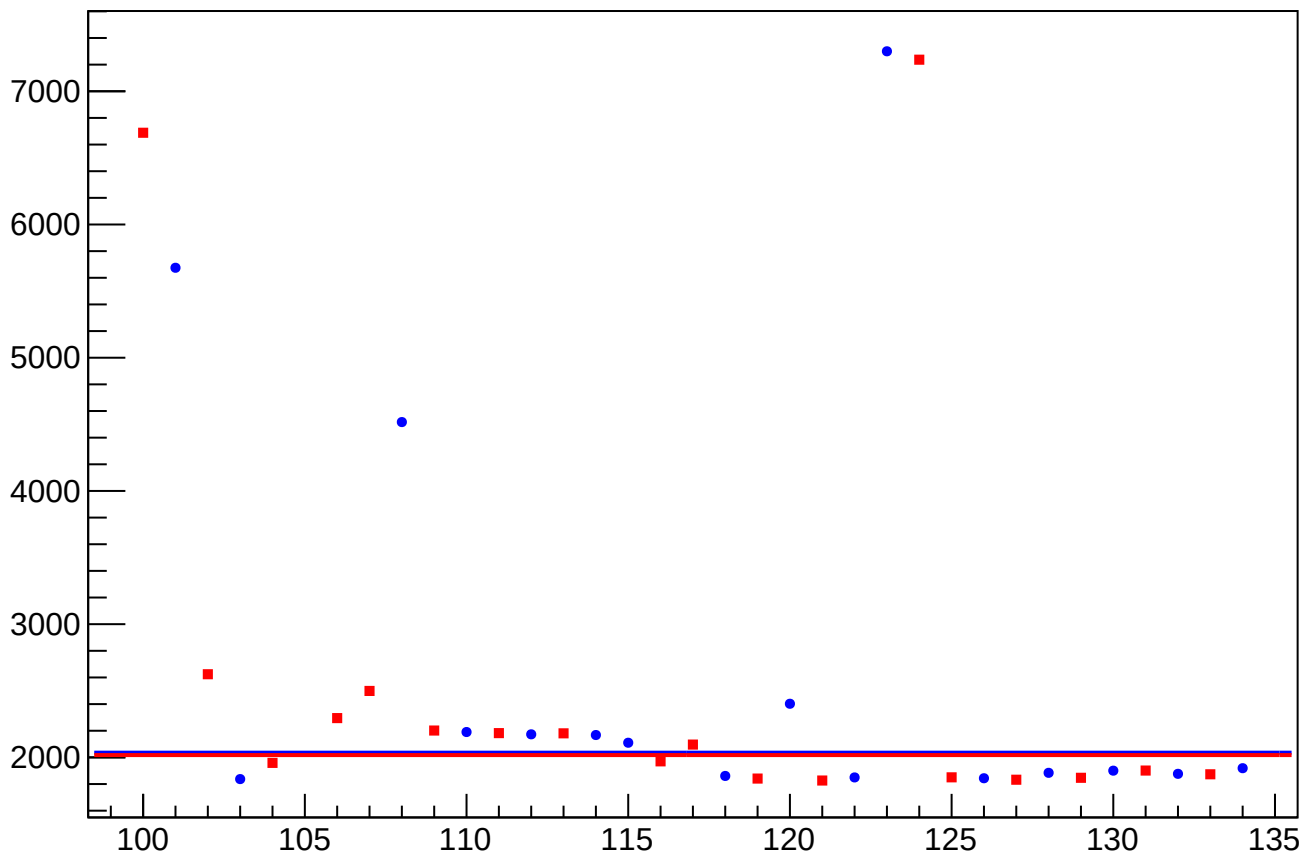
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-124.274+/-871.591  $\chi^2$ /NDF: 15.8/15

-729.857+/-594.425  $\chi^2$ /NDF: 34.0/33

-1256.468+/-812.776  $\chi^2$ /NDF: 17.4/17

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



Right In: 2035.476+/-0.616  $\chi^2/\text{NDF}$ : 828926.9/15

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

Right Out: 2017.354+/-0.575  $\chi^2/\text{NDF}$ : 363445.6/17

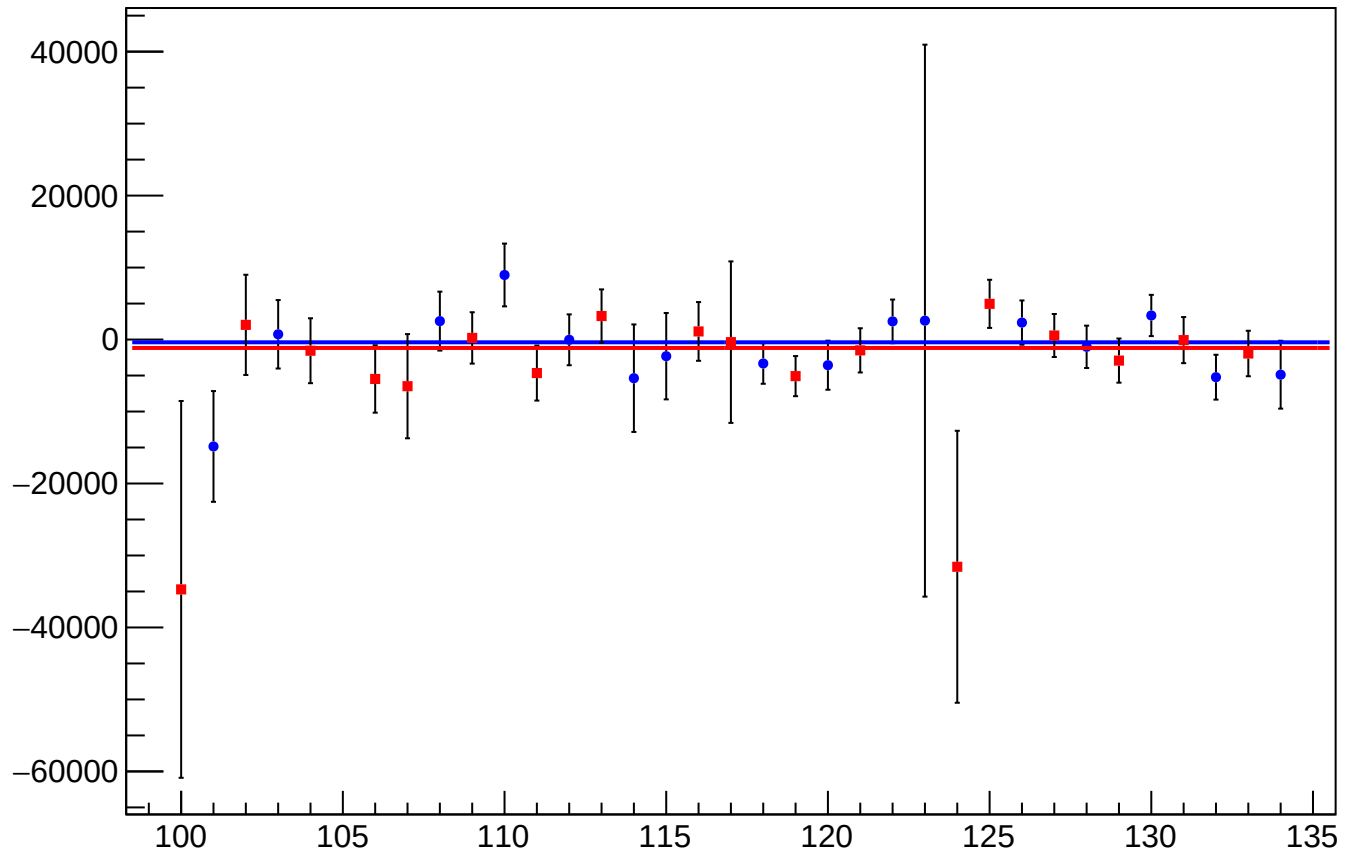
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2035.476+/-0.616  $\chi^2/\text{NDF}$ : 828926.9/15

2025.783+/-0.420  $\chi^2/\text{NDF}$ : 1192835.0/33

2017.354+/-0.575  $\chi^2/\text{NDF}$ : 363445.6/17

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



Right In: -382.001+/-948.422  $\chi^2$ /NDF: 18.0/15

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

Right Out: -1168.638+/-925.689  $\chi^2$ /NDF: 14.8/17

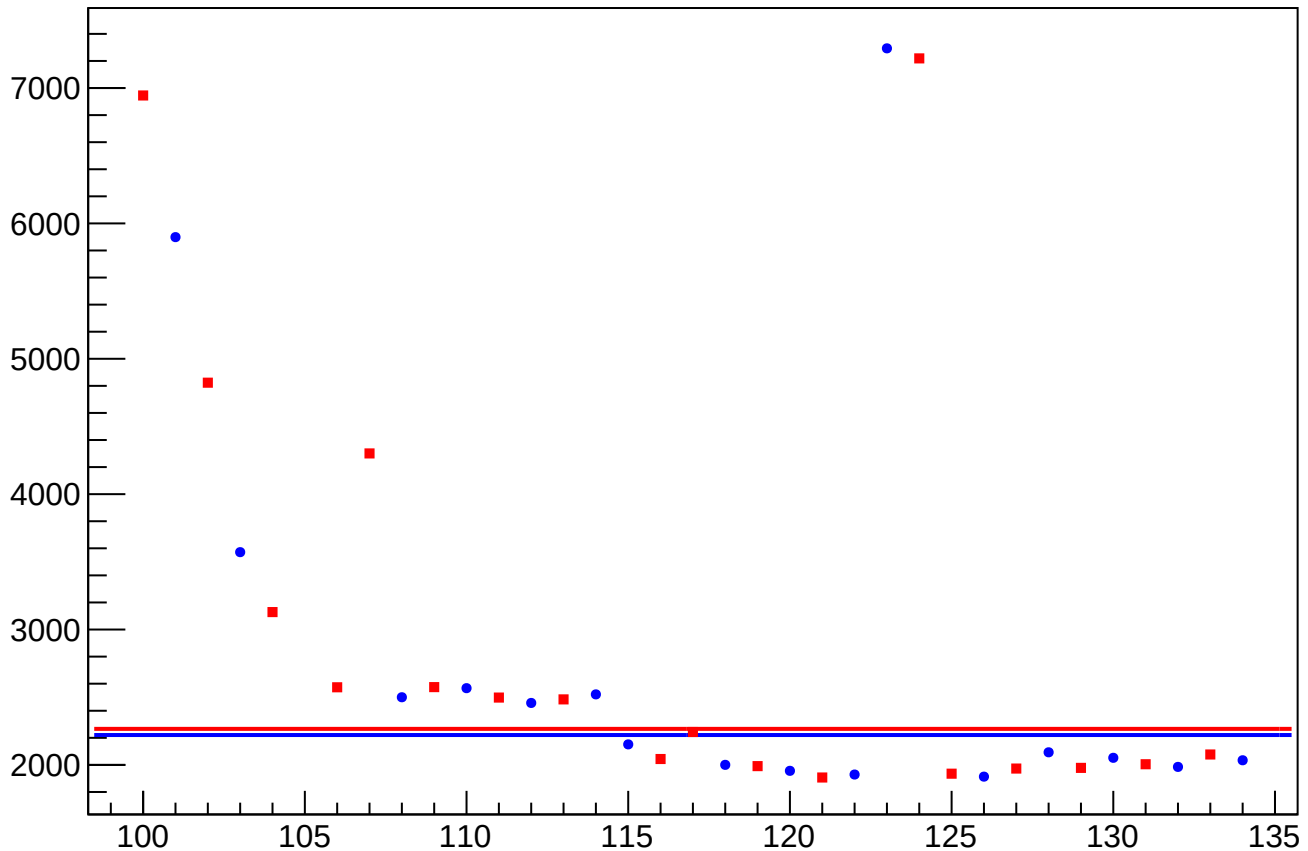
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-382.001+/-948.422  $\chi^2$ /NDF: 18.0/15

-784.860+/-662.452  $\chi^2$ /NDF: 33.1/33

-1168.638+/-925.689  $\chi^2$ /NDF: 14.8/17

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



Right In: 2220.720+/-0.671  $\chi^2$ /NDF: 775866.8/15

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

Right Out: 2266.289+/-0.655  $\chi^2$ /NDF: 870172.8/17

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

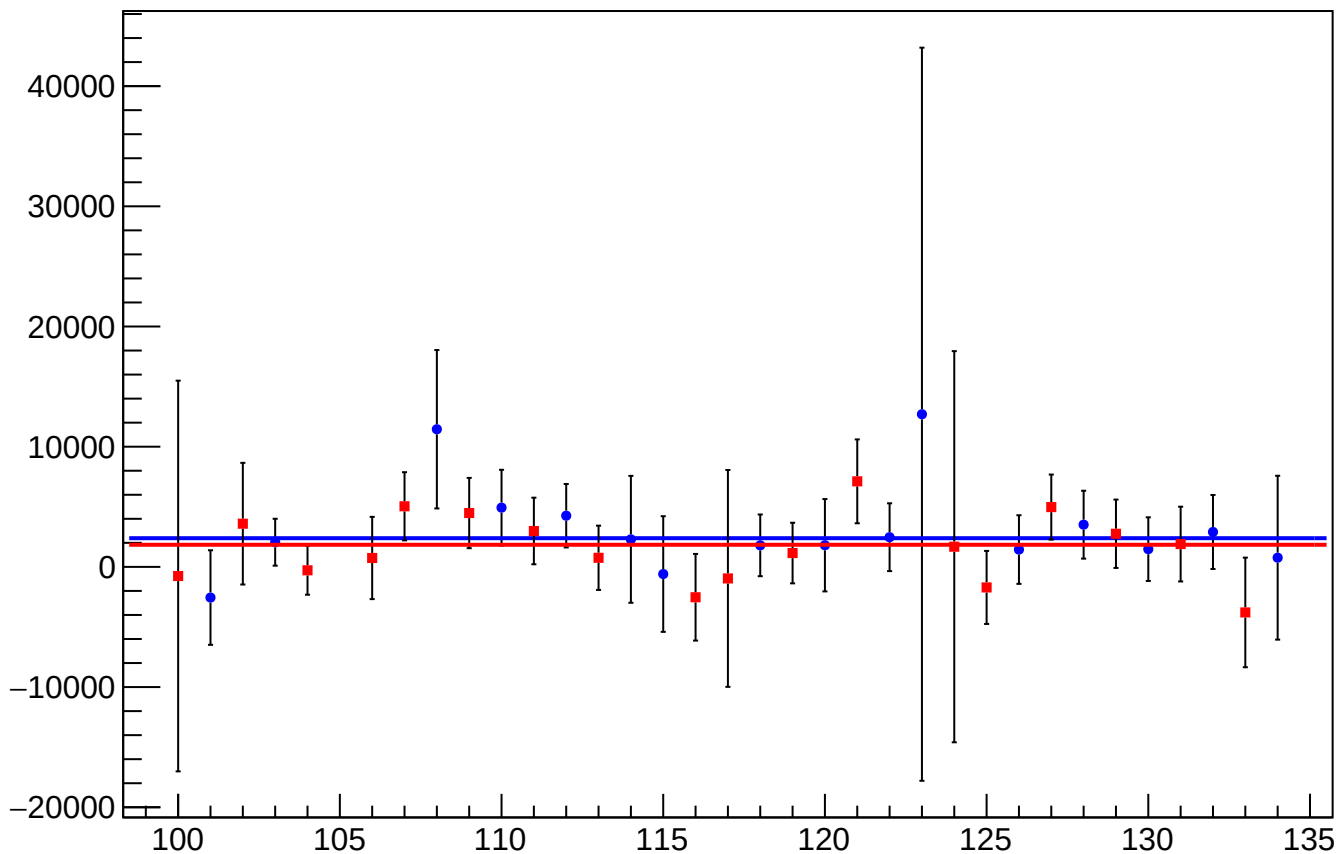
2220.720+/-0.671  $\chi^2$ /NDF: 775866.8/15

2244.058+/-0.468  $\chi^2$ /NDF: 1648404.2/33

2266.289+/-0.655  $\chi^2$ /NDF: 870172.8/17



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



Right In: 2387.271 $\pm$ 806.346  $\chi^2$ /NDF: 5.7/15

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

Right Out: 1841.202 $\pm$ 759.367  $\chi^2$ /NDF: 12.0/17

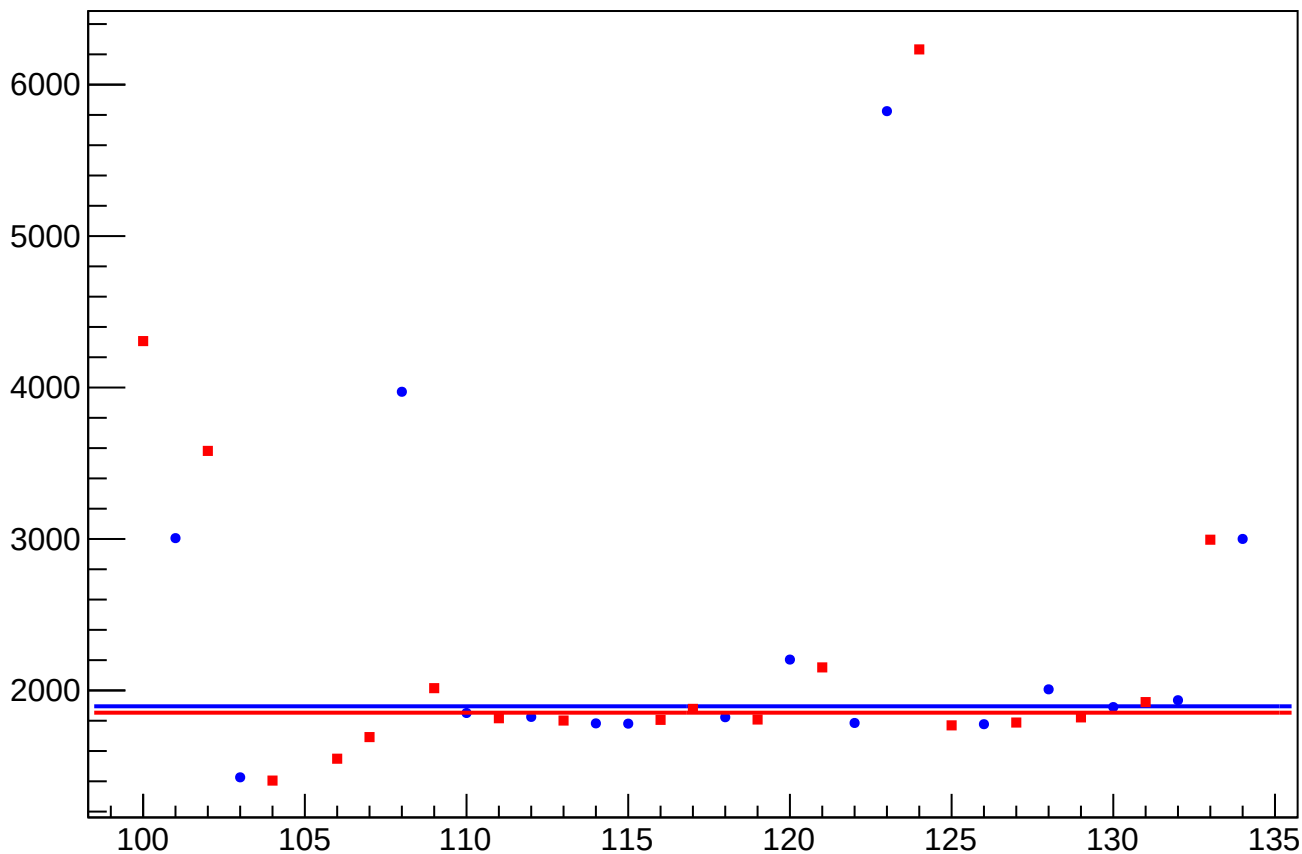
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2387.271 $\pm$ 806.346  $\chi^2$ /NDF: 5.7/15

2097.867 $\pm$ 552.816  $\chi^2$ /NDF: 18.0/33

1841.202 $\pm$ 759.367  $\chi^2$ /NDF: 12.0/17

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



Right In: 1895.235+/-0.570  $\chi^2/\text{NDF}$ : 587707.1/15

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

Right Out: 1853.072+/-0.537  $\chi^2/\text{NDF}$ : 695613.3/17

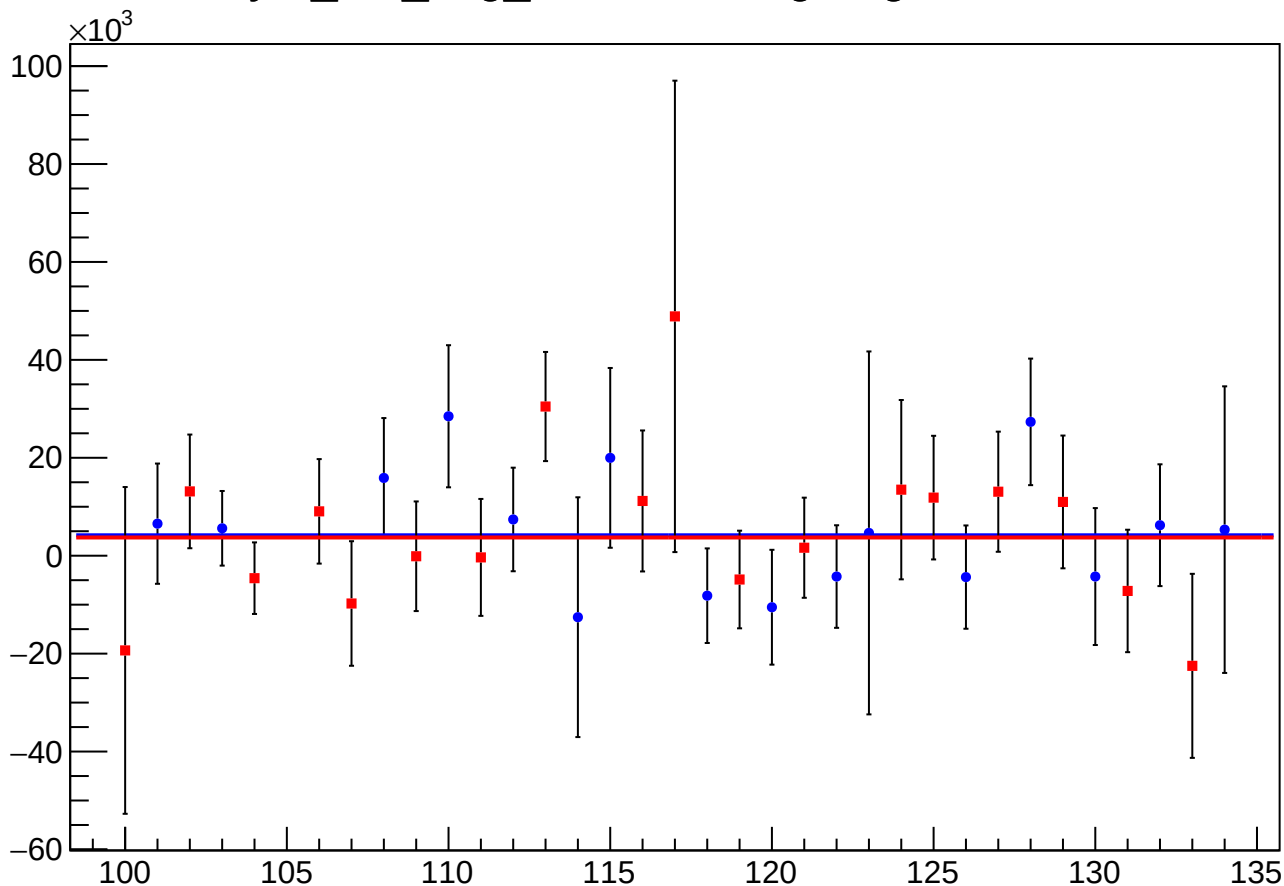
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1895.235+/-0.570  $\chi^2/\text{NDF}$ : 587707.1/15

1872.885+/-0.391  $\chi^2/\text{NDF}$ : 1286219.0/33

1853.072+/-0.537  $\chi^2/\text{NDF}$ : 695613.3/17

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



Right In: 4170.125 $\pm$ 3094.935  $\chi^2$ /NDF: 13.2/15

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

Right Out: 3722.412 $\pm$ 2881.121  $\chi^2$ /NDF: 16.0/17

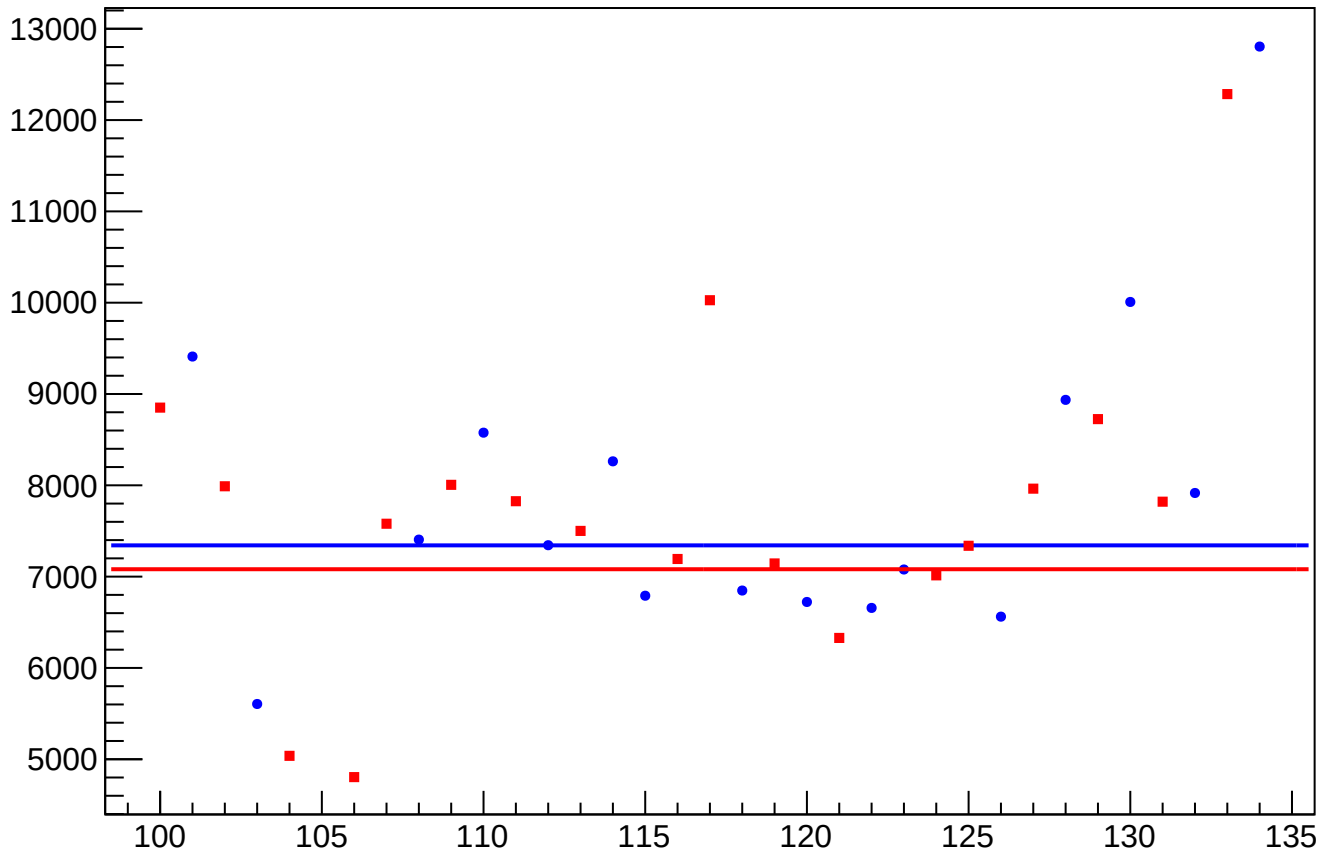
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

4170.125 $\pm$ 3094.935  $\chi^2$ /NDF: 13.2/15

3930.271 $\pm$ 2108.801  $\chi^2$ /NDF: 29.2/33

3722.412 $\pm$ 2881.121  $\chi^2$ /NDF: 16.0/17

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



Right In: 7342.293+/-2.188  $\chi^2/\text{NDF}$ : 387250.2/15

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

Right Out: 7080.990+/-2.037  $\chi^2/\text{NDF}$ : 512317.1/17

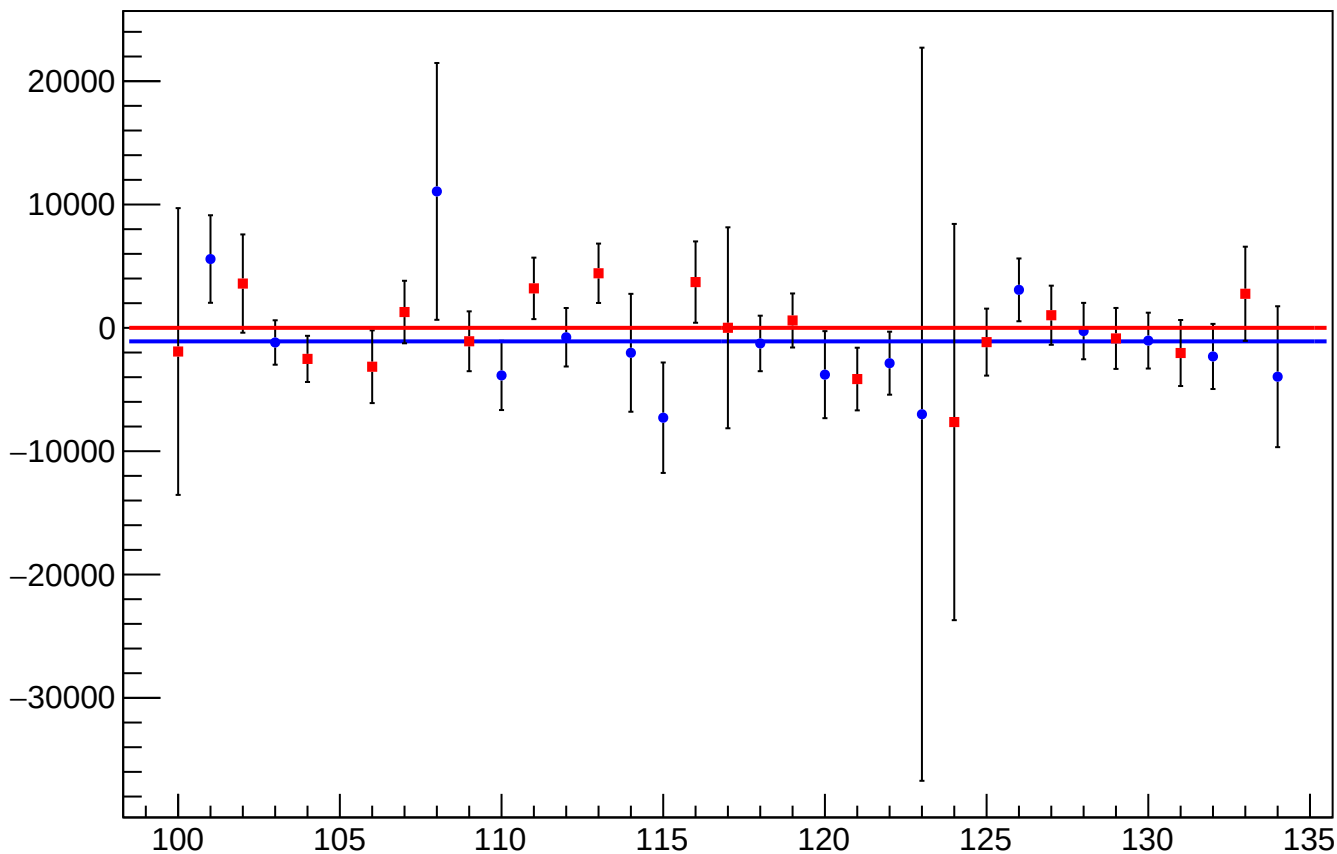
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

7342.293+/-2.188  $\chi^2/\text{NDF}$ : 387250.2/15

7202.290+/-1.491  $\chi^2/\text{NDF}$ : 907206.3/33

7080.990+/-2.037  $\chi^2/\text{NDF}$ : 512317.1/17

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



Right In: -1095.497+/-717.569  $\chi^2/\text{NDF}$ : 12.2/15

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

Right Out: 1.881+/-661.410  $\chi^2/\text{NDF}$ : 15.1/17

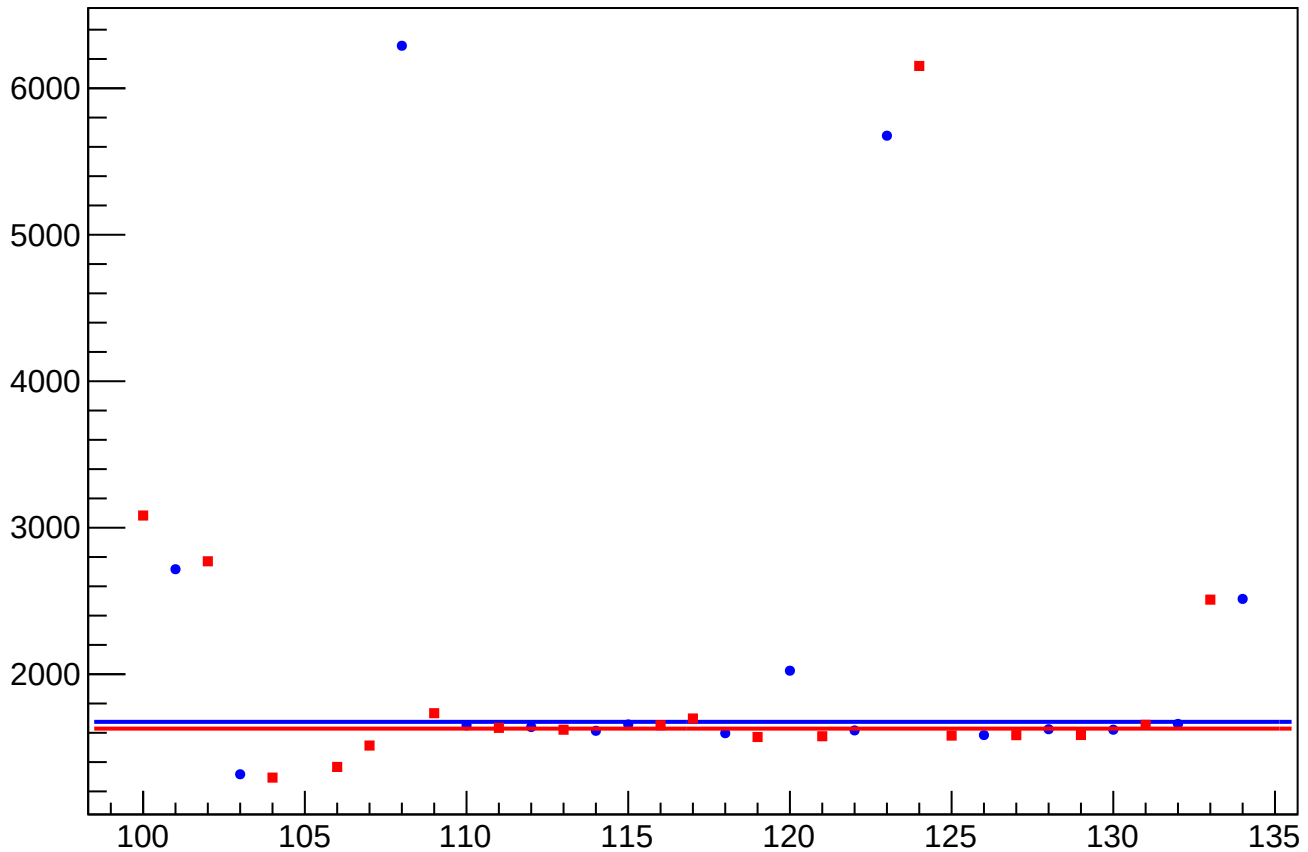
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1095.497+/-717.569  $\chi^2/\text{NDF}$ : 12.2/15

-502.191+/-486.331  $\chi^2/\text{NDF}$ : 28.6/33

1.881+/-661.410  $\chi^2/\text{NDF}$ : 15.1/17

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



Right In: 1674.777 $\pm$ 0.507  $\chi^2/\text{NDF}$ : 752526.1/15

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

Right Out: 1628.549 $\pm$ 0.468  $\chi^2/\text{NDF}$ : 552808.0/17

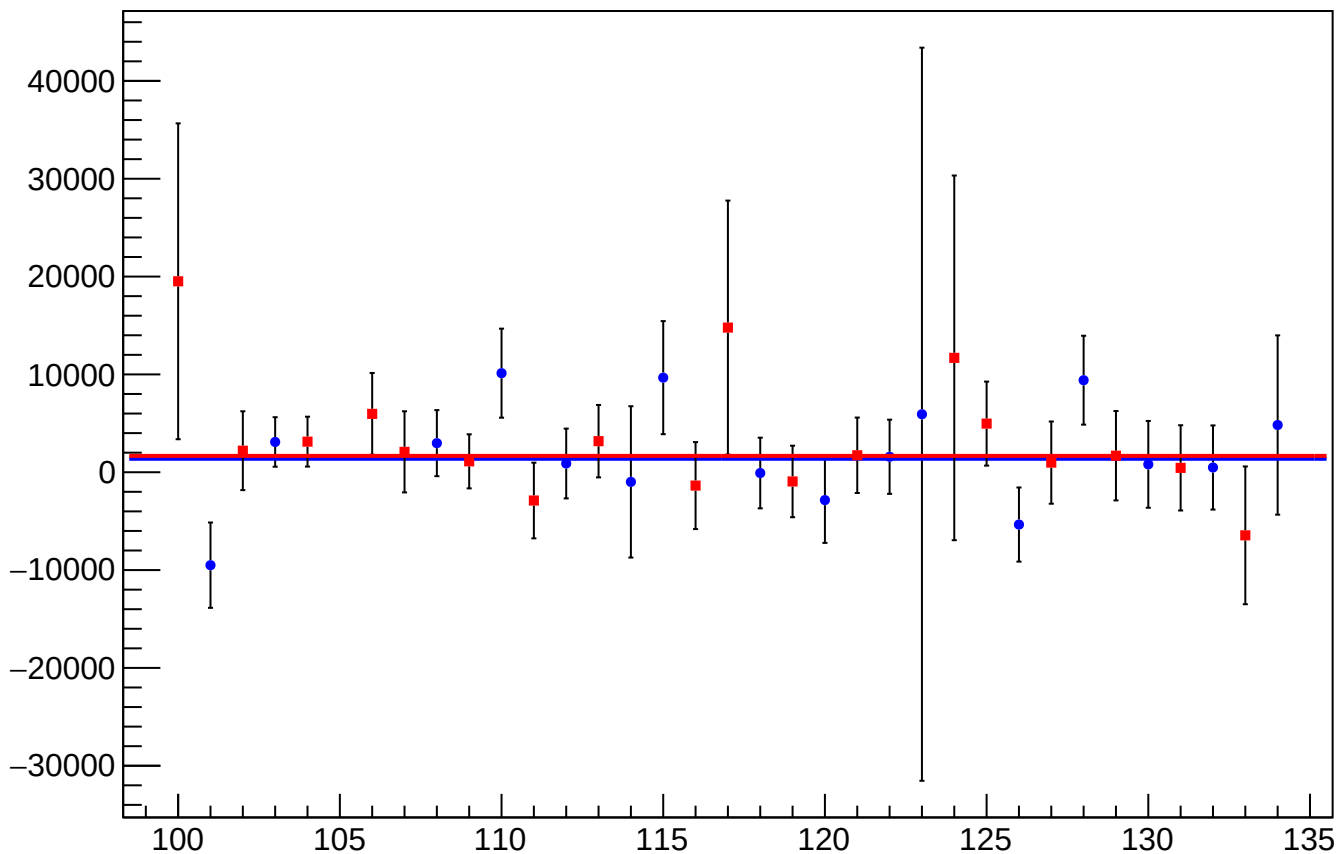
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

1674.777 $\pm$ 0.507  $\chi^2/\text{NDF}$ : 752526.1/15

1649.784 $\pm$ 0.344  $\chi^2/\text{NDF}$ : 1309821.8/33

1628.549 $\pm$ 0.468  $\chi^2/\text{NDF}$ : 552808.0/17

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



Right In: 1376.502 $\pm$ 1051.770  $\chi^2$ /NDF: 20.4/15

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

Right Out: 1672.441 $\pm$ 981.275  $\chi^2$ /NDF: 8.5/17

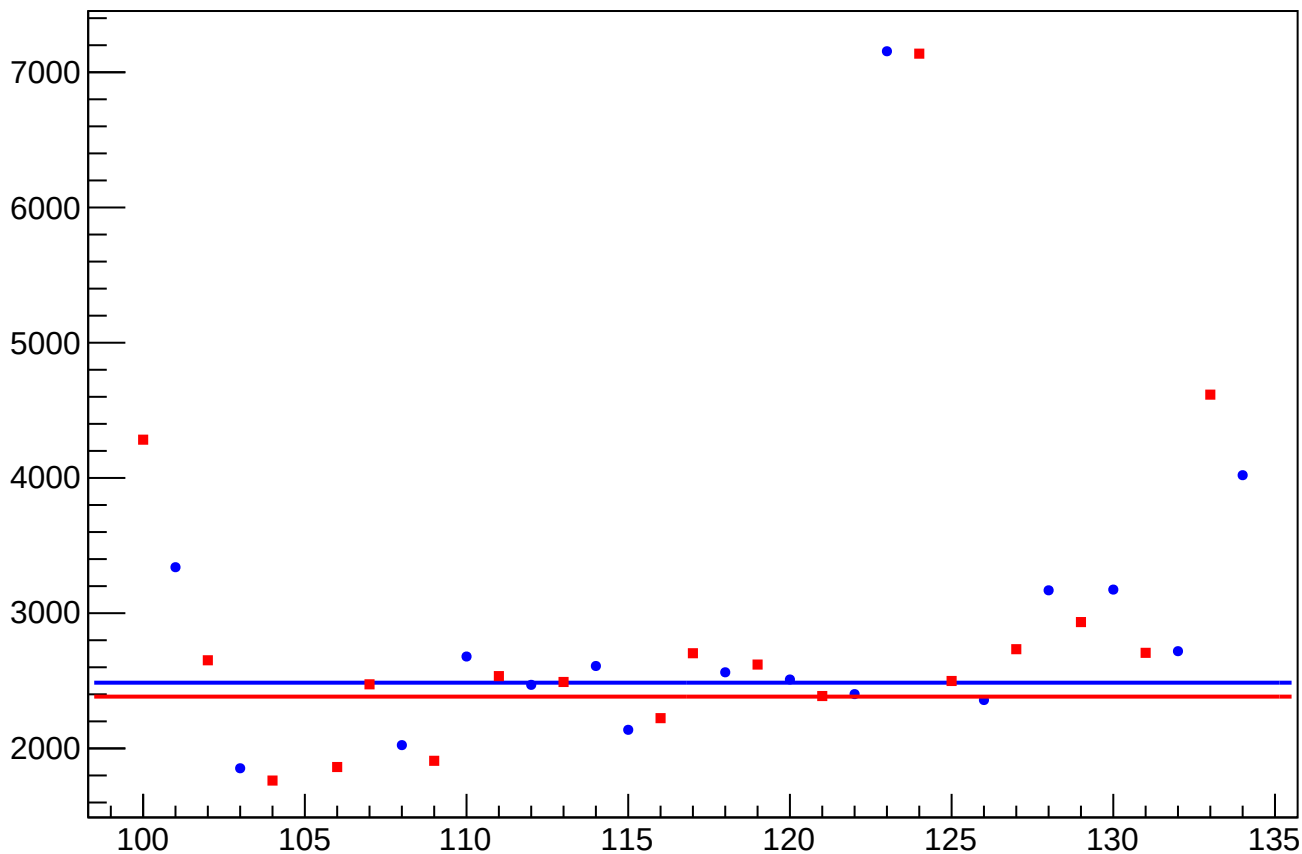
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1376.502 $\pm$ 1051.770  $\chi^2$ /NDF: 20.4/15

1534.720 $\pm$ 717.495  $\chi^2$ /NDF: 28.9/33

1672.441 $\pm$ 981.275  $\chi^2$ /NDF: 8.5/17

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



Right In: 2486.054+/-0.744  $\chi^2/\text{NDF}$ : 441140.6/15

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

Right Out: 2383.022+/-0.694  $\chi^2/\text{NDF}$ : 649842.3/17

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

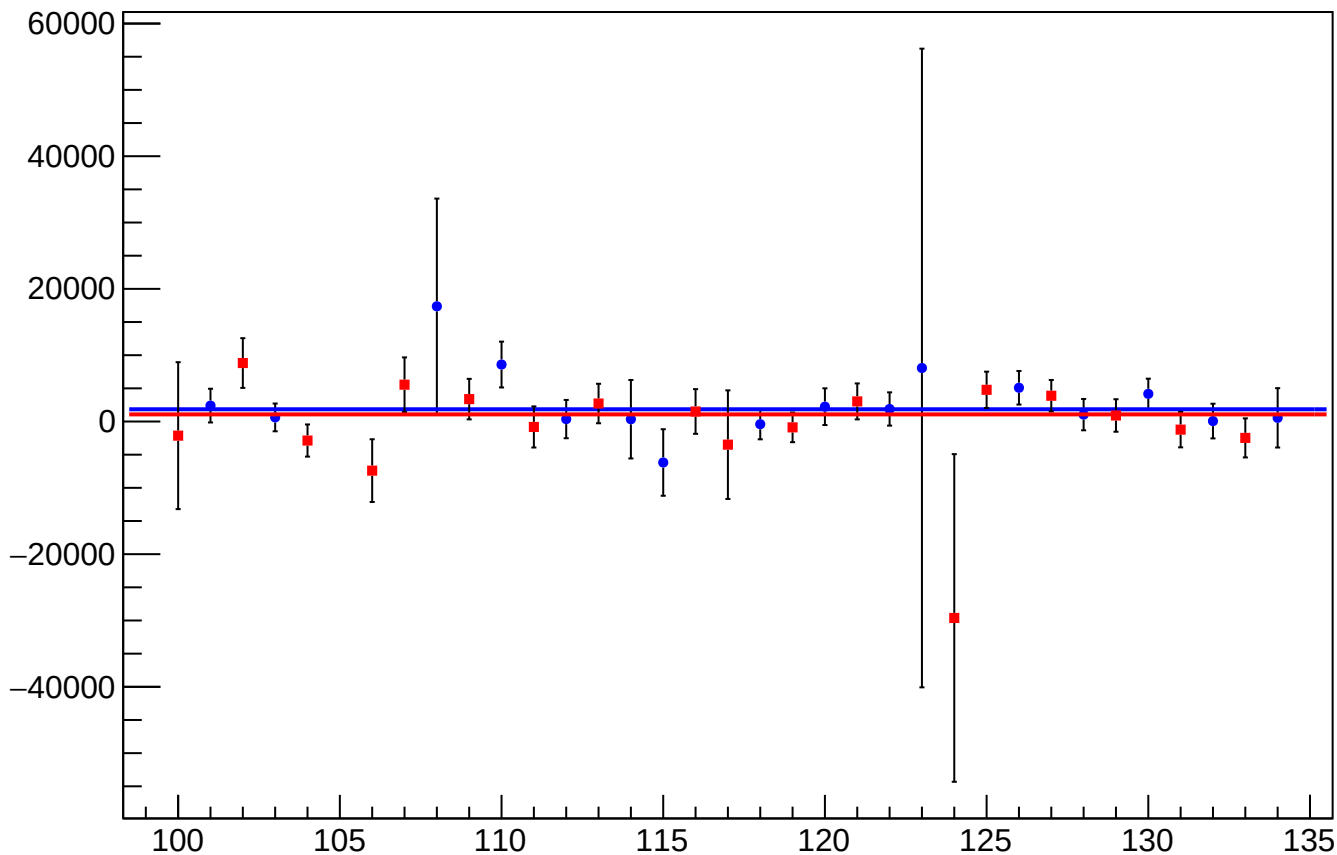
2486.054+/-0.744  $\chi^2/\text{NDF}$ : 441140.6/15

2430.970+/-0.507  $\chi^2/\text{NDF}$ : 1101244.1/33

2383.022+/-0.694  $\chi^2/\text{NDF}$ : 649842.3/17



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



Right In: 1845.449+/-732.535  $\chi^2/\text{NDF}$ : 12.3/15

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

Right Out: 1074.393+/-735.070  $\chi^2/\text{NDF}$ : 21.2/17

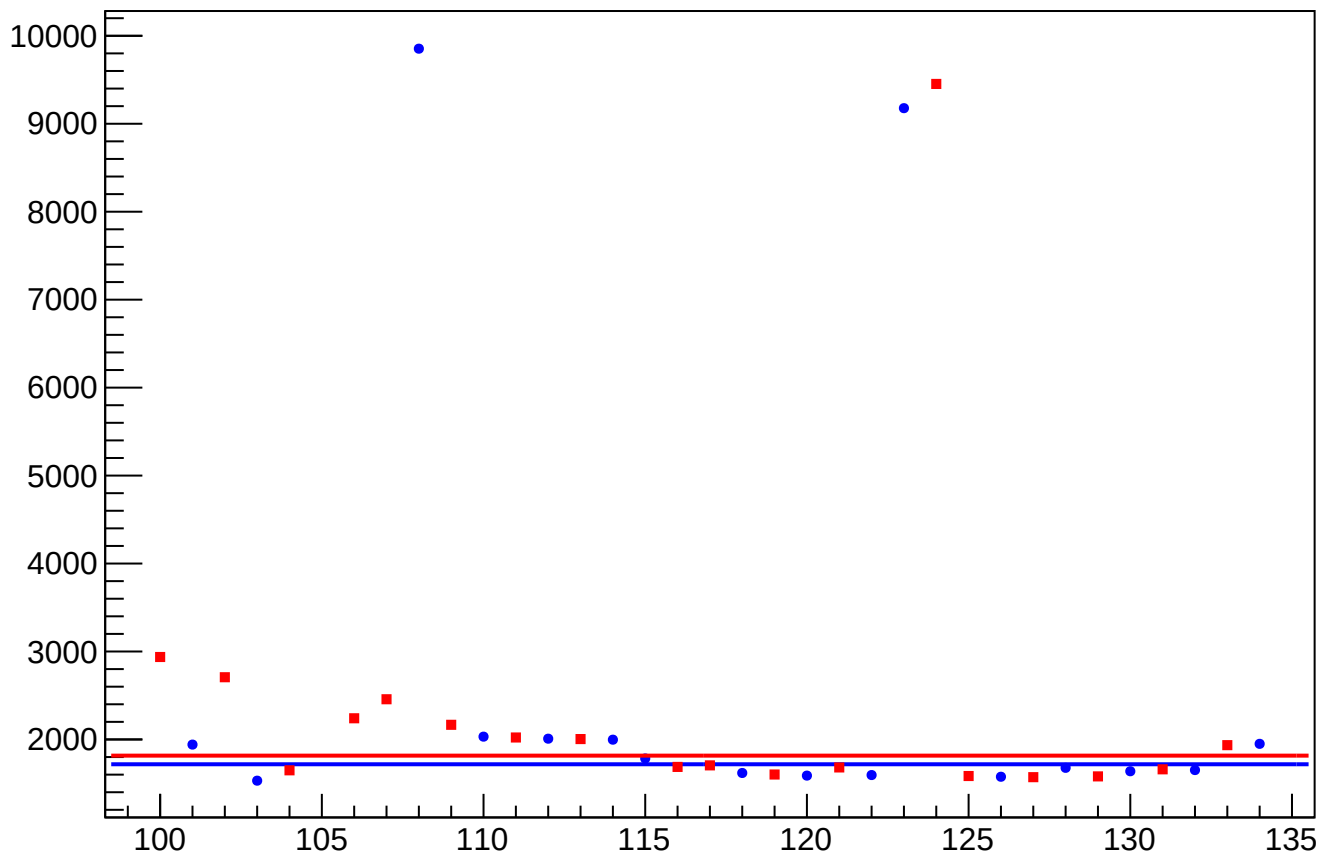
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1845.449+/-732.535  $\chi^2/\text{NDF}$ : 12.3/15

1461.253+/-518.875  $\chi^2/\text{NDF}$ : 34.1/33

1074.393+/-735.070  $\chi^2/\text{NDF}$ : 21.2/17

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



Right In: 1717.934+/-0.518  $\chi^2/\text{NDF}$ : 651780.2/15

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

Right Out: 1816.065+/-0.519  $\chi^2/\text{NDF}$ : 534595.6/17

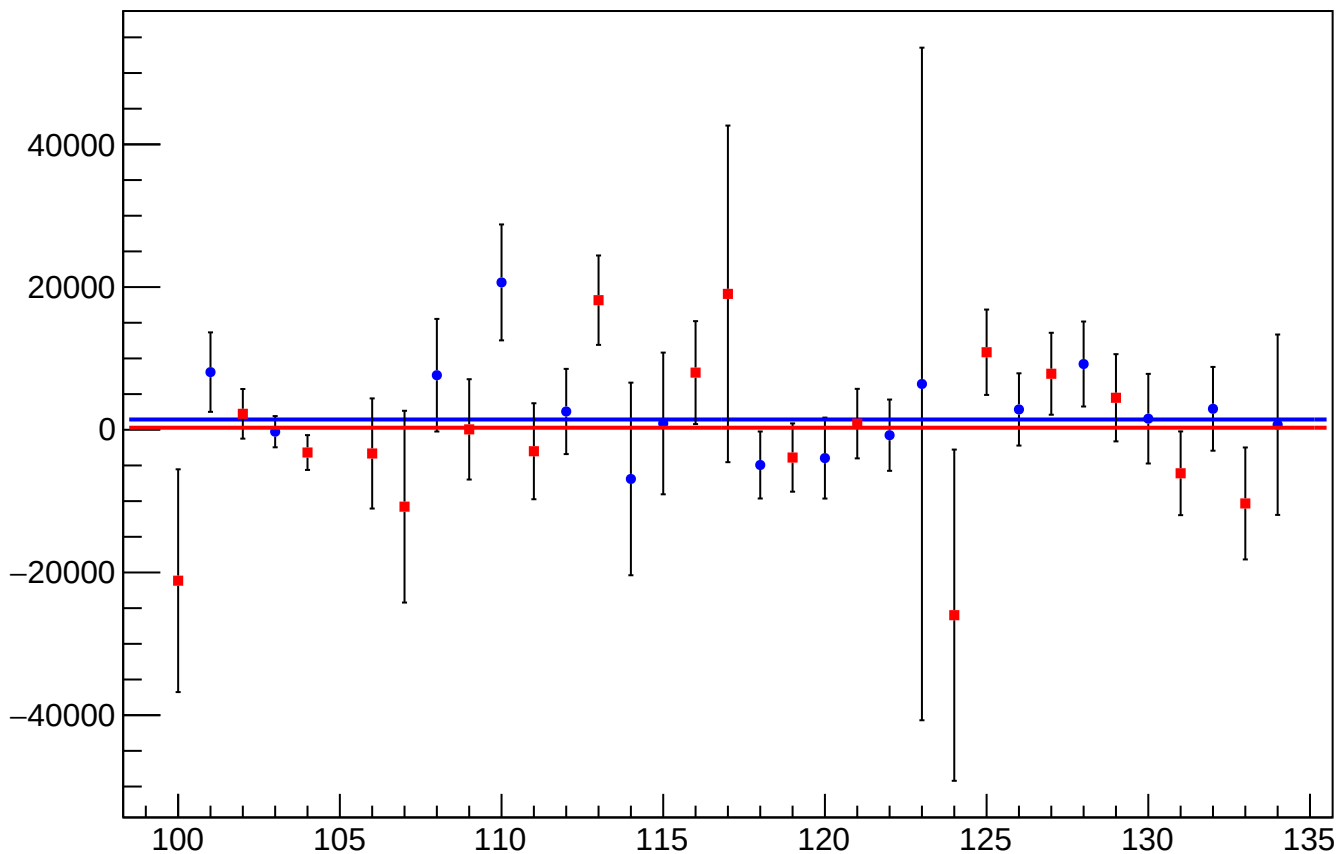
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1717.934+/-0.518  $\chi^2/\text{NDF}$ : 651780.2/15

1766.893+/-0.367  $\chi^2/\text{NDF}$ : 1204282.5/33

1816.065+/-0.519  $\chi^2/\text{NDF}$ : 534595.6/17

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



Right In: 1442.873+/-1335.497  $\chi^2/\text{NDF}$ : 13.5/15

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

Right Out: 288.202+/-1308.915  $\chi^2/\text{NDF}$ : 25.7/17

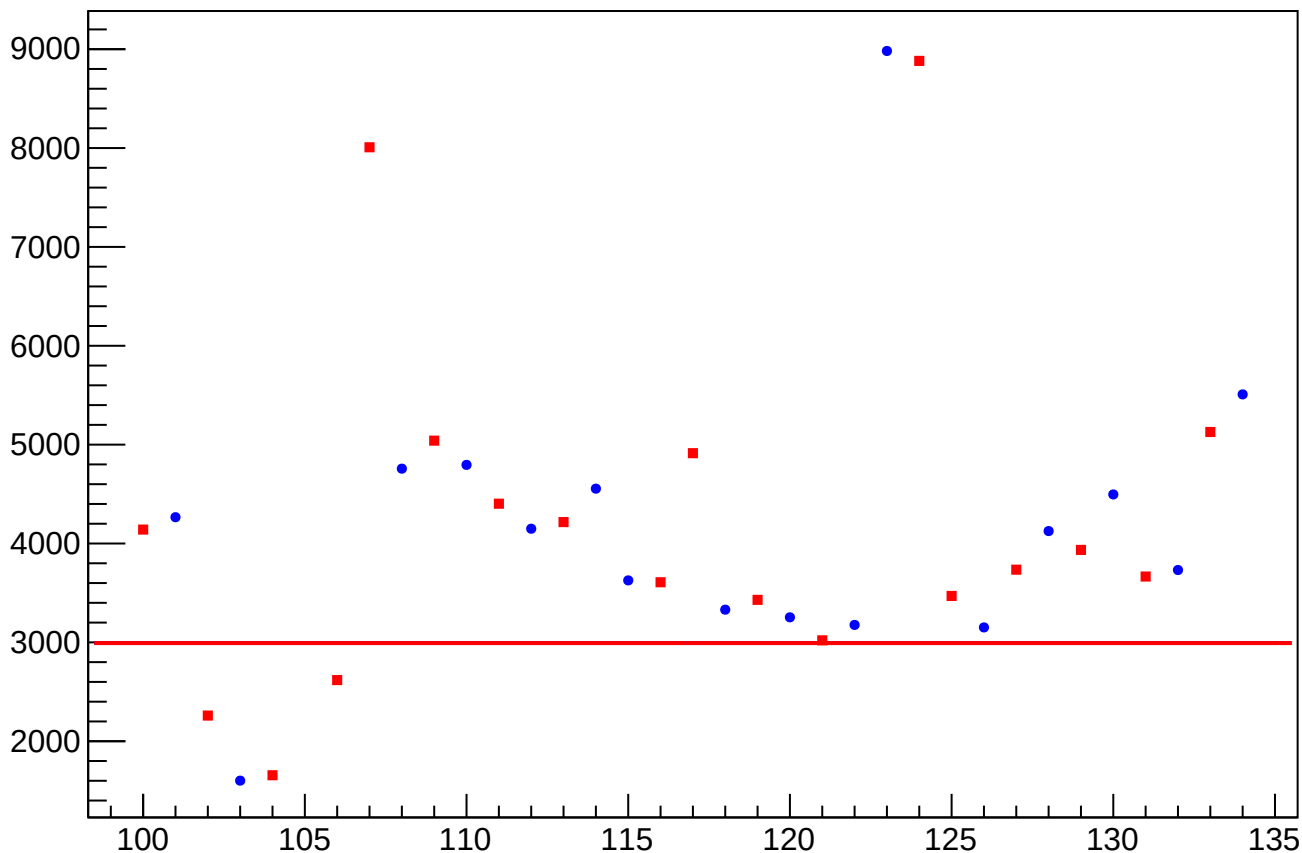
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1442.873+/-1335.497  $\chi^2/\text{NDF}$ : 13.5/15

853.932+/-934.799  $\chi^2/\text{NDF}$ : 39.5/33

288.202+/-1308.915  $\chi^2/\text{NDF}$ : 25.7/17

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



Right In: 2993.705 $\pm$ 0.944  $\chi^2$ /NDF: 1570801.4/15

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

Right Out: 2992.717 $\pm$ 0.912  $\chi^2$ /NDF: 1763318.4/17

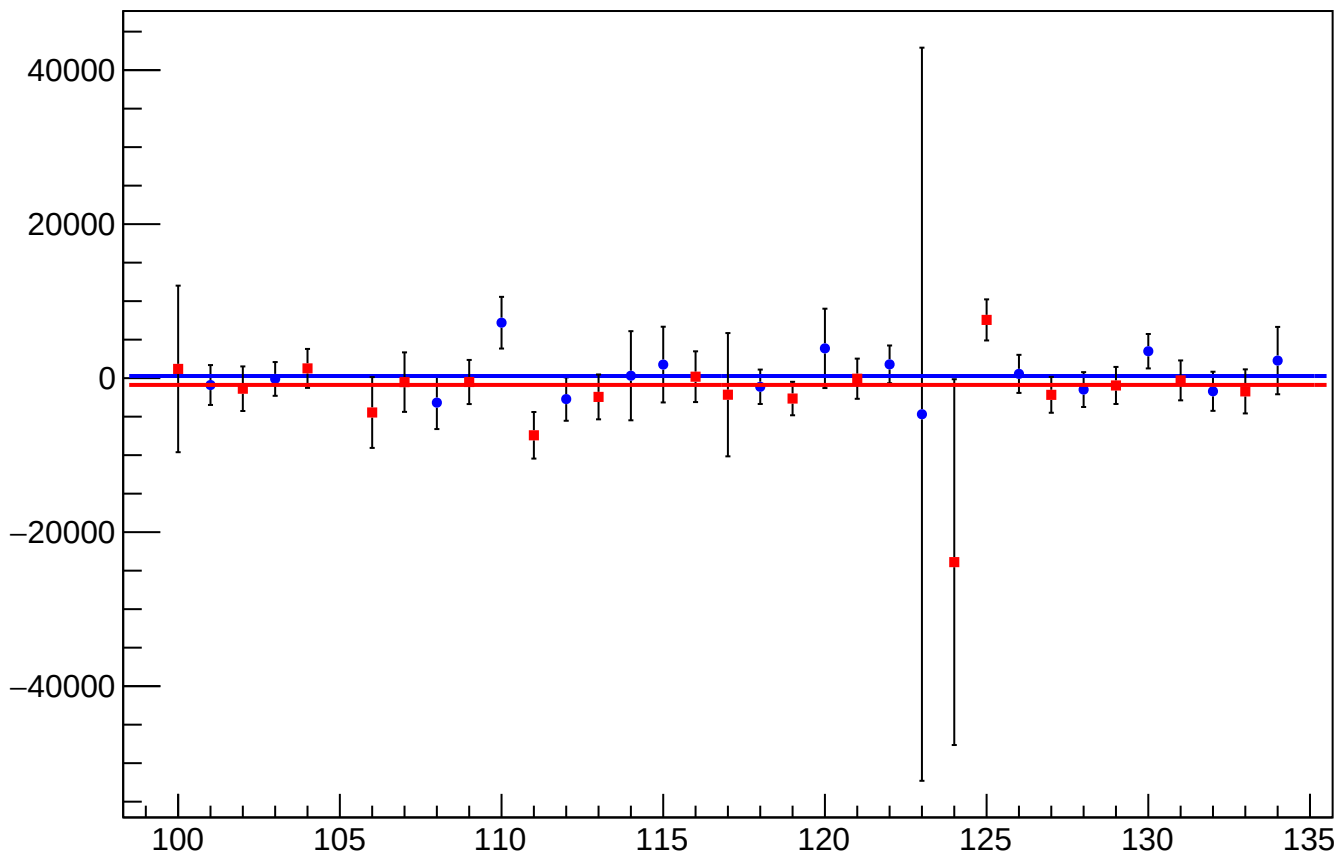
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2993.705 $\pm$ 0.944  $\chi^2$ /NDF: 1570801.4/15

2993.194 $\pm$ 0.656  $\chi^2$ /NDF: 3334120.3/33

2992.717 $\pm$ 0.912  $\chi^2$ /NDF: 1763318.4/17

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



Right In: 277.677+/-725.576  $\chi^2/\text{NDF}$ : 11.5/15

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

Right Out: -879.887+/-709.885  $\chi^2/\text{NDF}$ : 18.7/17

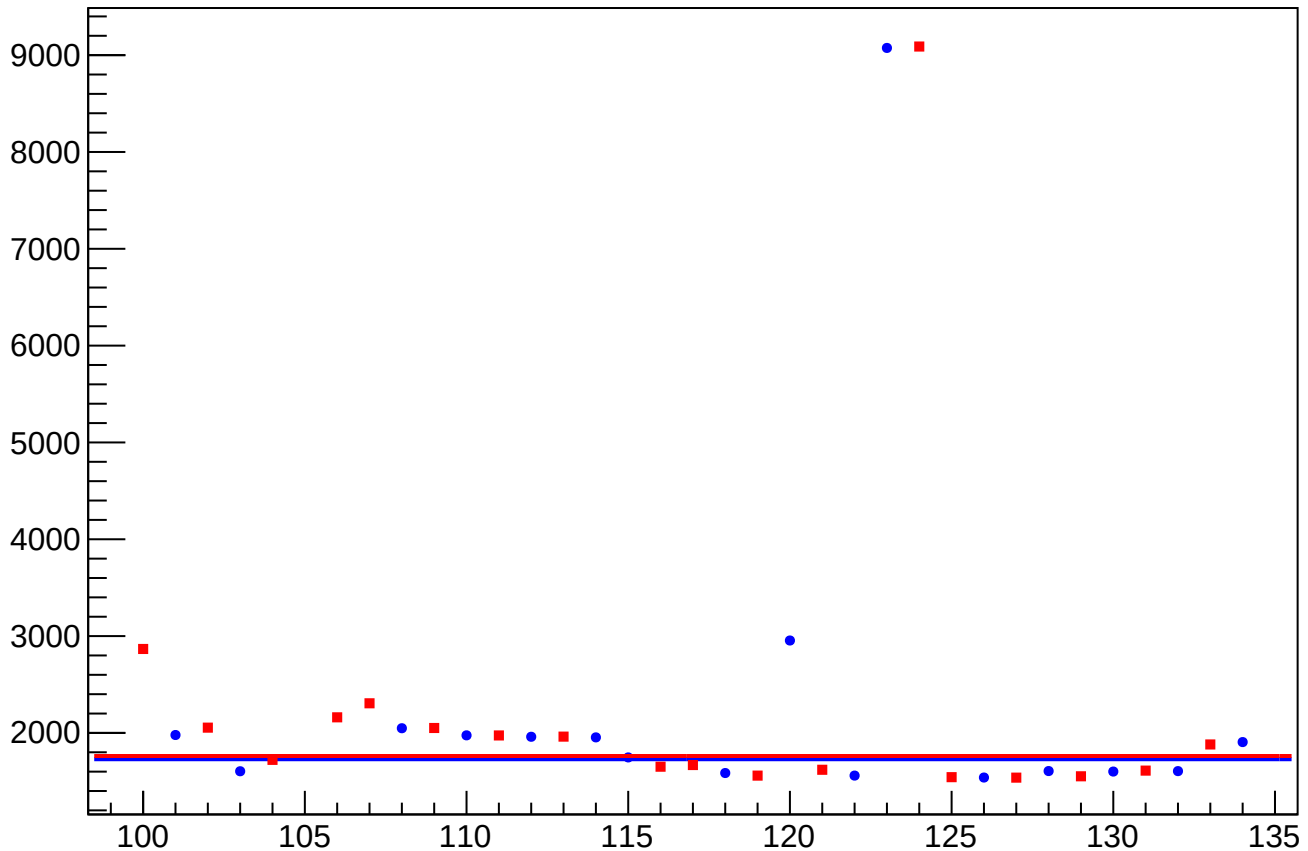
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

277.677+/-725.576  $\chi^2/\text{NDF}$ : 11.5/15

-313.757+/-507.421  $\chi^2/\text{NDF}$ : 31.5/33

-879.887+/-709.885  $\chi^2/\text{NDF}$ : 18.7/17

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



Right In: 1728.183 $\pm$ 0.513  $\chi^2$ /NDF: 280450.1/15

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

Right Out: 1761.437 $\pm$ 0.501  $\chi^2$ /NDF: 412006.0/17

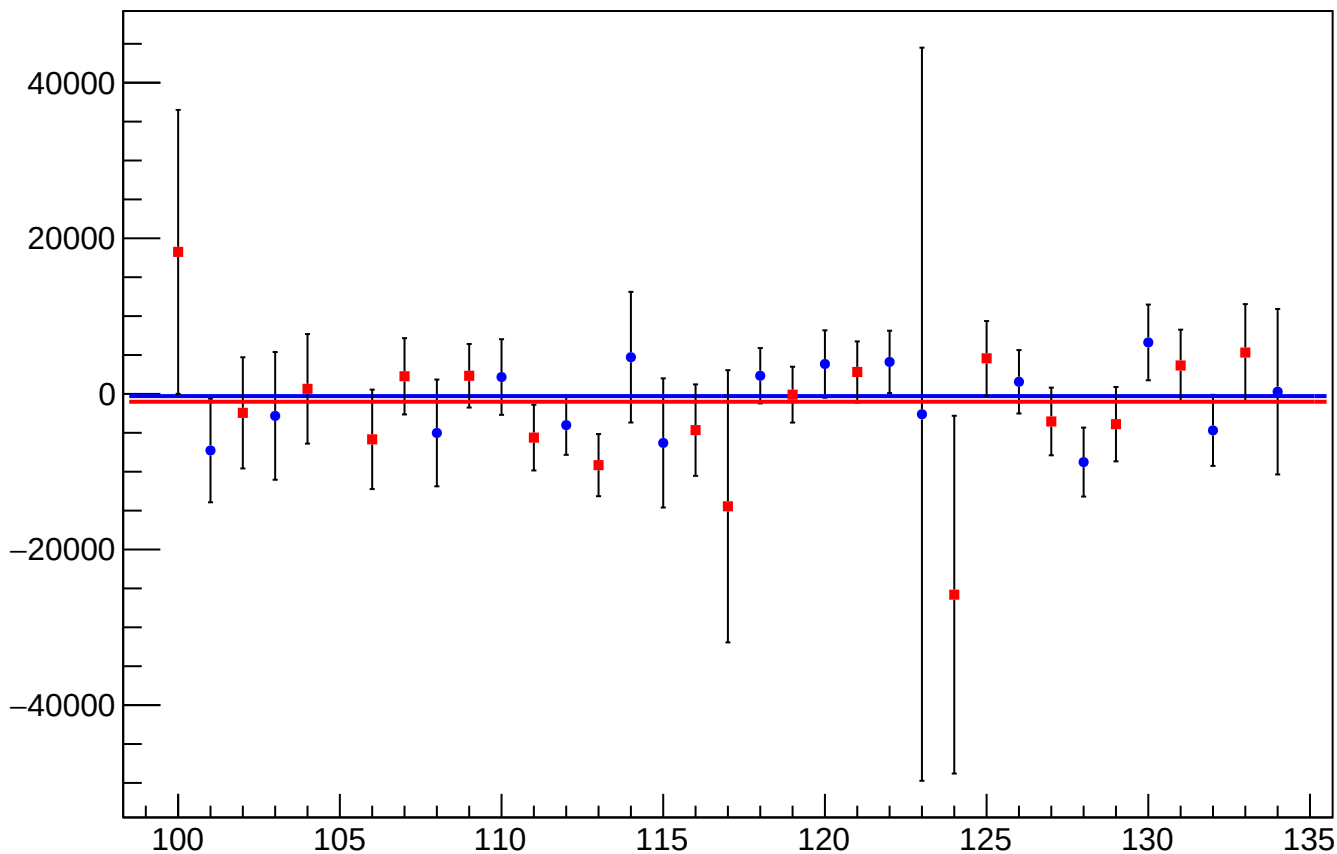
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1728.183 $\pm$ 0.513  $\chi^2$ /NDF: 280450.1/15

1745.202 $\pm$ 0.358  $\chi^2$ /NDF: 694606.1/33

1761.437 $\pm$ 0.501  $\chi^2$ /NDF: 412006.0/17

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



Right In: -282.416+/-1287.570  $\chi^2/\text{NDF}$ : 13.2/15

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

Right Out: -1006.842+/-1214.953  $\chi^2/\text{NDF}$ : 15.5/17

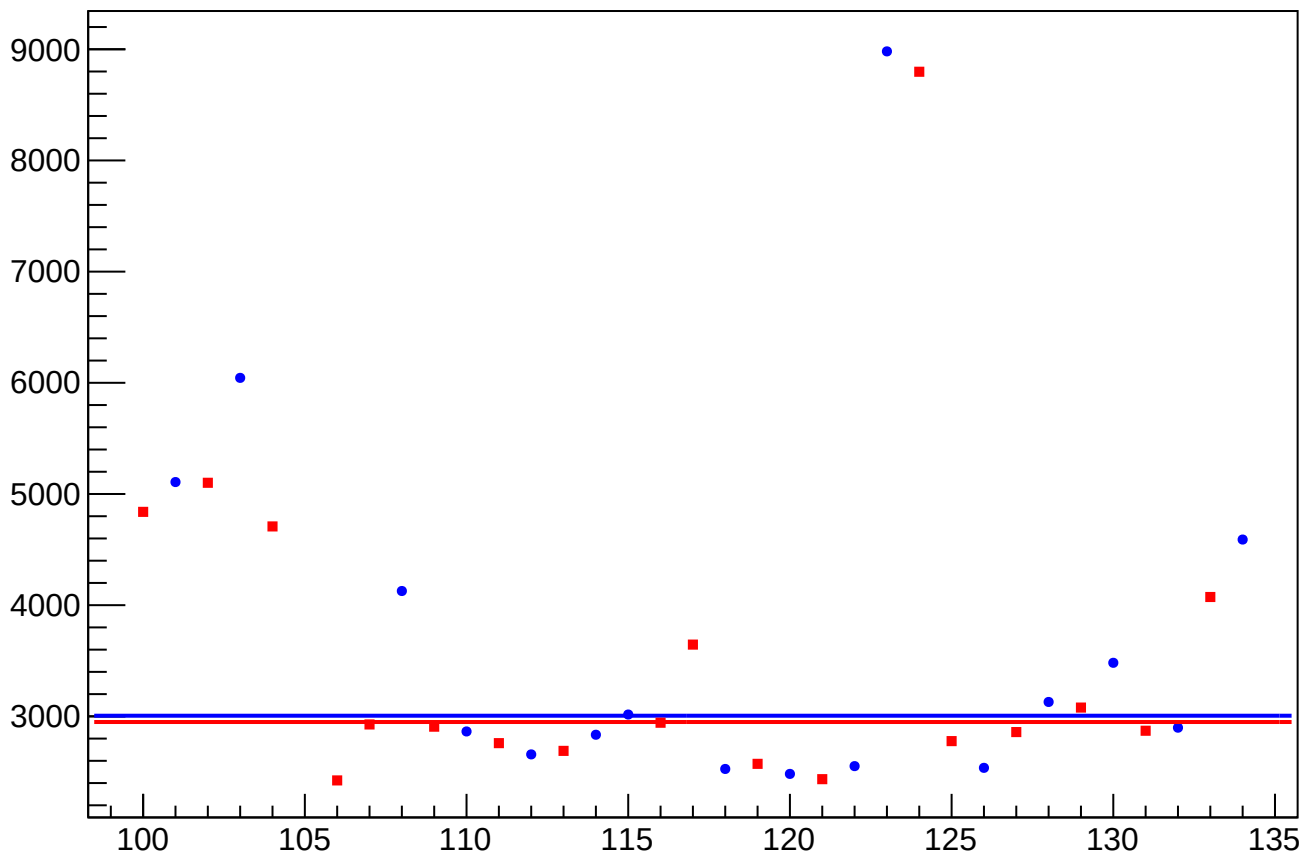
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-282.416+/-1287.570  $\chi^2/\text{NDF}$ : 13.2/15

-665.632+/-883.658  $\chi^2/\text{NDF}$ : 28.9/33

-1006.842+/-1214.953  $\chi^2/\text{NDF}$ : 15.5/17

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



Right In: 3005.679+/-0.910  $\chi^2/\text{NDF}$ : 761266.3/15

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

Right Out: 2949.078+/-0.848  $\chi^2/\text{NDF}$ : 623458.6/17

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

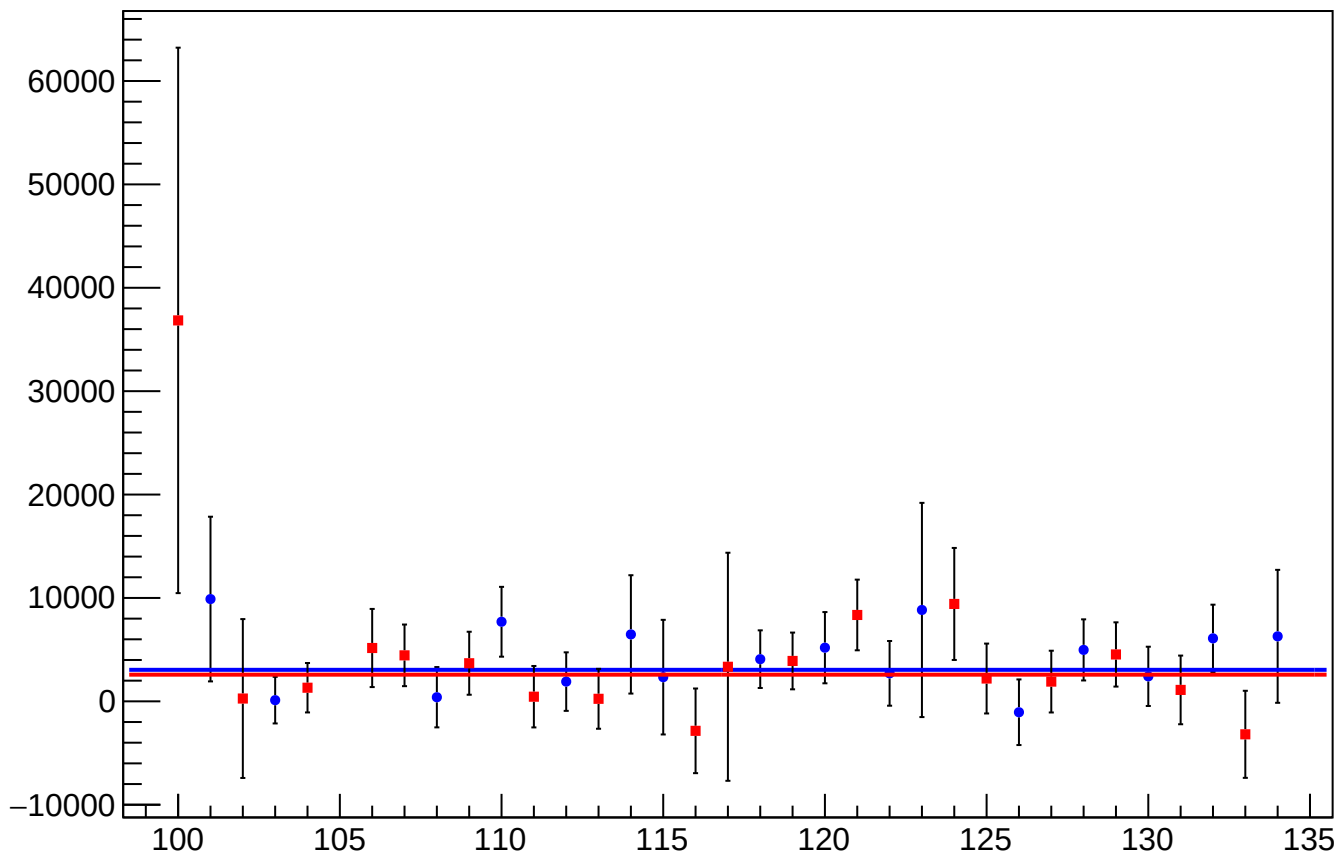
3005.679+/-0.910  $\chi^2/\text{NDF}$ : 761266.3/15

2975.370+/-0.621  $\chi^2/\text{NDF}$ : 1386794.4/33

2949.078+/-0.848  $\chi^2/\text{NDF}$ : 623458.6/17



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



Right In: 3048.506+/-849.967  $\chi^2/\text{NDF}$ : 9.8/15

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

Right Out: 2580.167+/-820.117  $\chi^2/\text{NDF}$ : 13.2/17

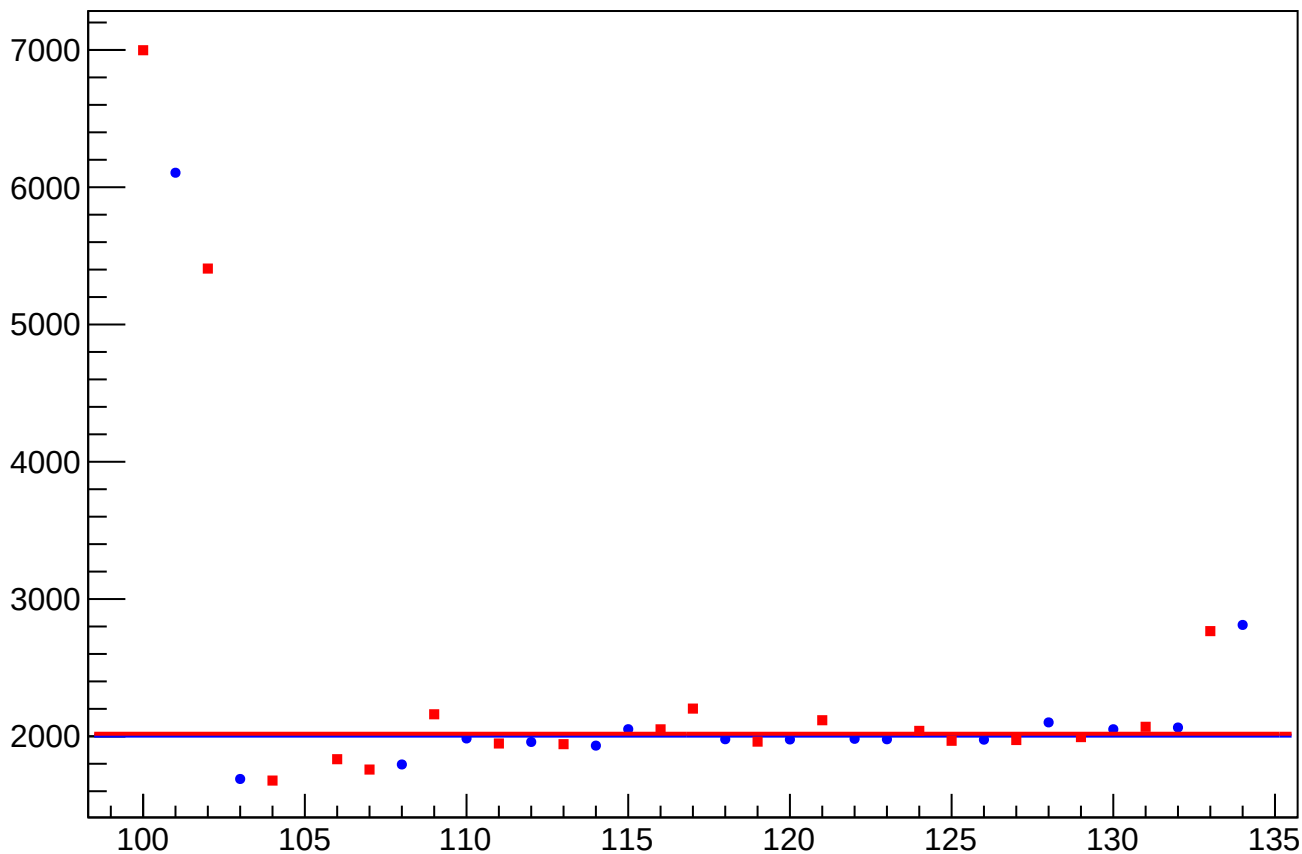
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3048.506+/-849.967  $\chi^2/\text{NDF}$ : 9.8/15

2805.968+/-590.181  $\chi^2/\text{NDF}$ : 23.2/33

2580.167+/-820.117  $\chi^2/\text{NDF}$ : 13.2/17

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



Right In: 2005.013+/-0.601  $\chi^2$ /NDF: 616305.8/15

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

Right Out: 2018.780+/-0.580  $\chi^2$ /NDF: 596056.8/17

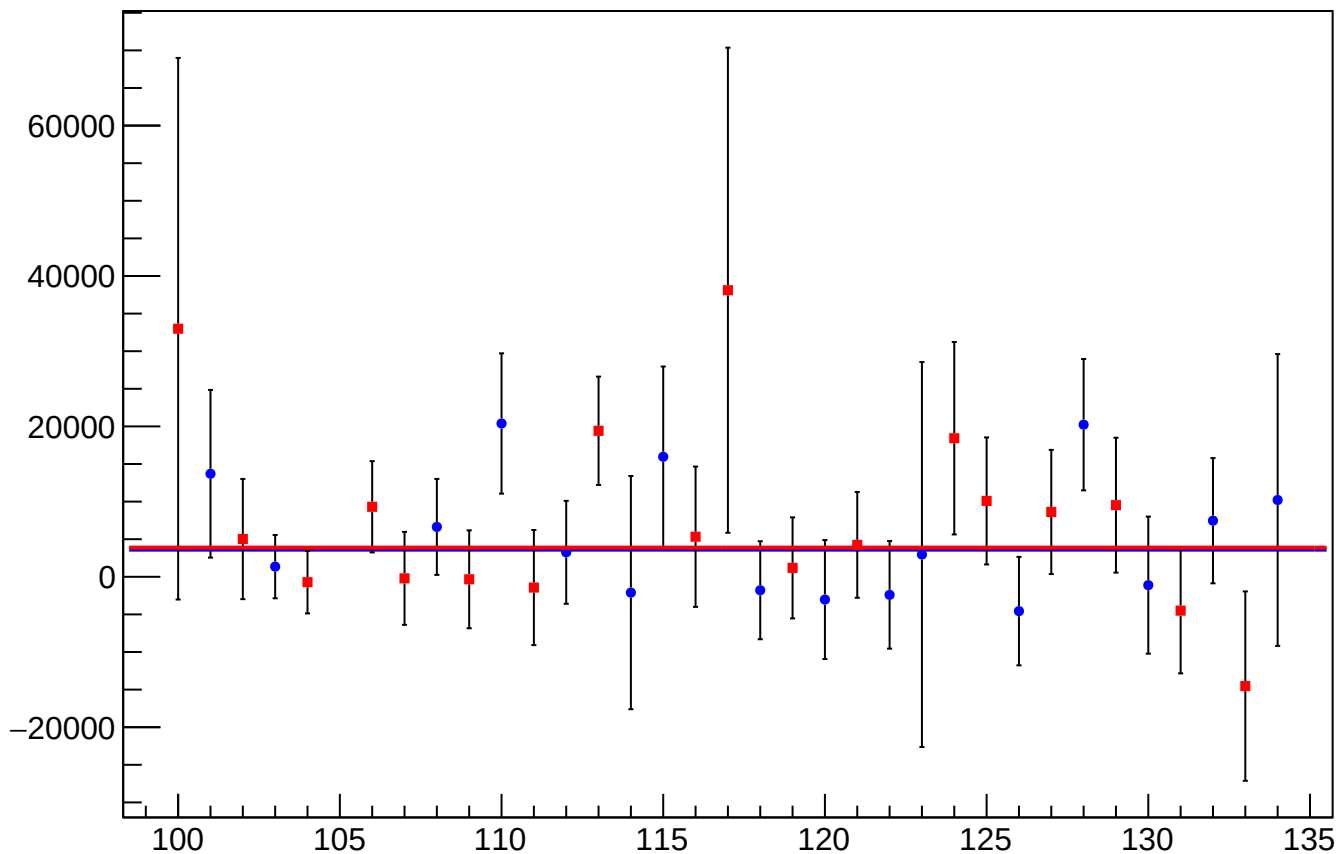
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

2005.013+/-0.601  $\chi^2$ /NDF: 616305.8/15

2012.145+/-0.417  $\chi^2$ /NDF: 1212634.3/33

2018.780+/-0.580  $\chi^2$ /NDF: 596056.8/17

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



Right In: 3612.056+/-1979.956  $\chi^2/\text{NDF}$ : 13.4/15

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

Right Out: 3880.448+/-1794.849  $\chi^2/\text{NDF}$ : 15.7/17

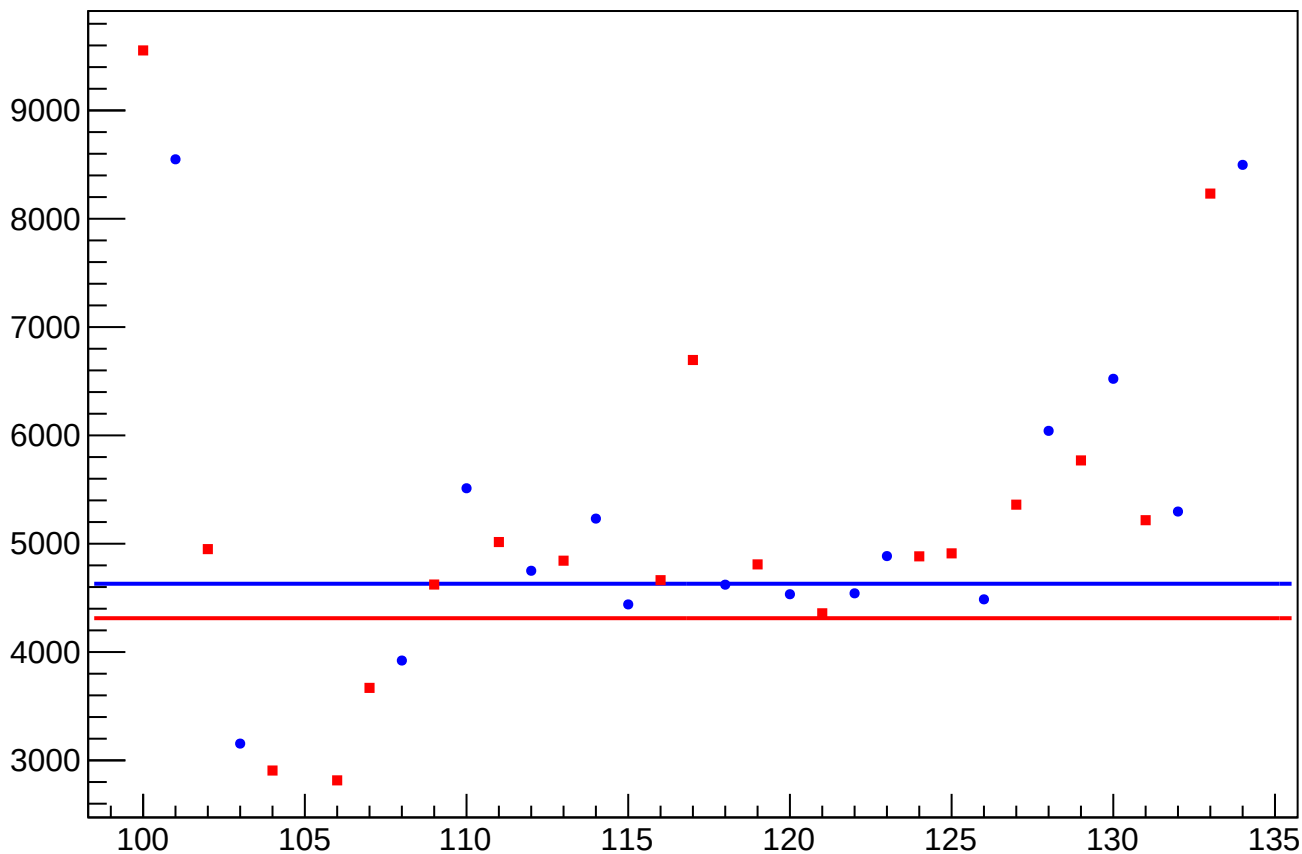
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3612.056+/-1979.956  $\chi^2/\text{NDF}$ : 13.4/15

3759.382+/-1329.788  $\chi^2/\text{NDF}$ : 29.1/33

3880.448+/-1794.849  $\chi^2/\text{NDF}$ : 15.7/17

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



Right In: 4630.461+/-1.400  $\chi^2/\text{NDF}$ : 772014.3/15

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

Right Out: 4312.394+/-1.261  $\chi^2/\text{NDF}$ : 818928.4/17

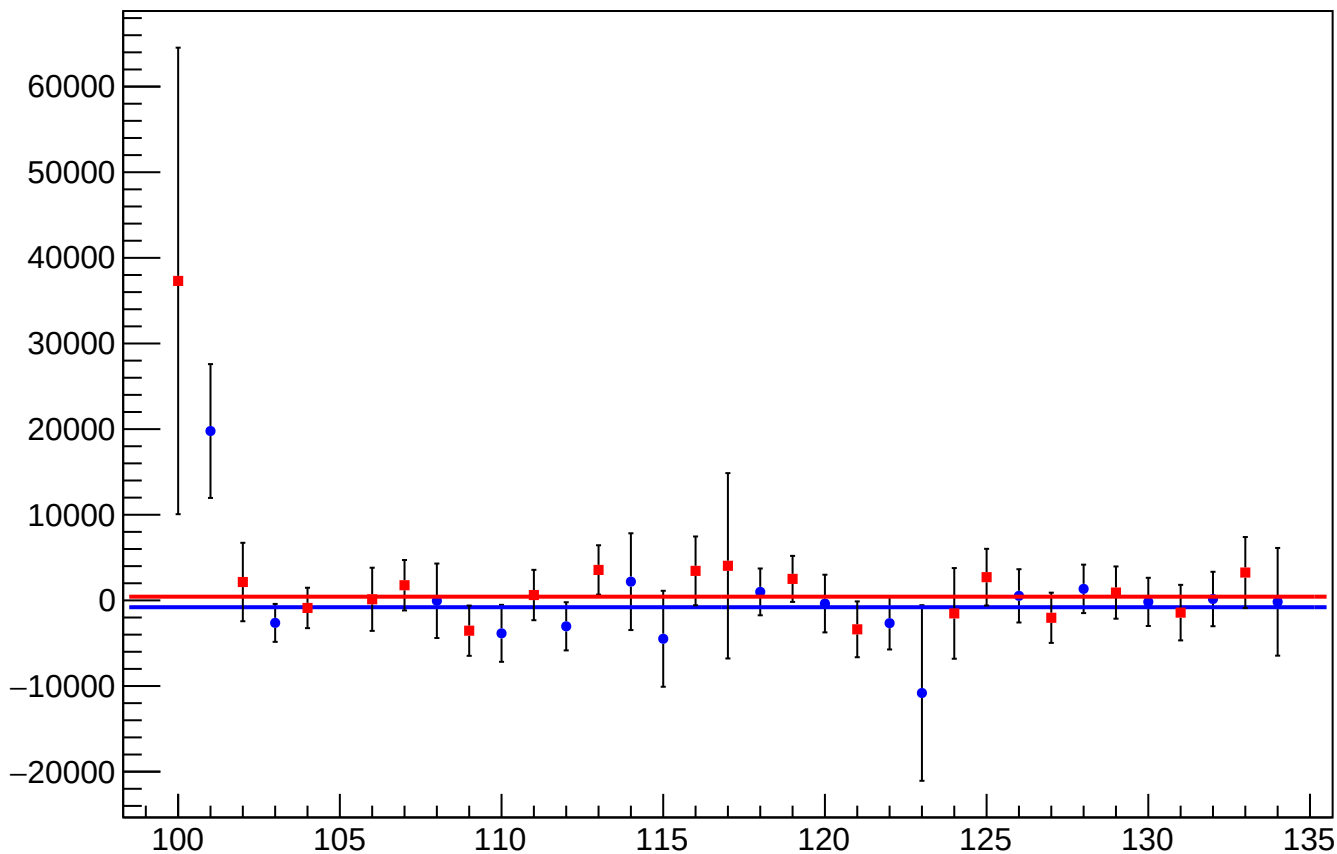
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4630.461+/-1.400  $\chi^2/\text{NDF}$ : 772014.3/15

4454.882+/-0.937  $\chi^2/\text{NDF}$ : 1619433.8/33

4312.394+/-1.261  $\chi^2/\text{NDF}$ : 818928.4/17

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



Right In: -796.822+/-854.492  $\chi^2/\text{NDF}$ : 12.5/15

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

Right Out: 432.970+/-796.414  $\chi^2/\text{NDF}$ : 10.3/17

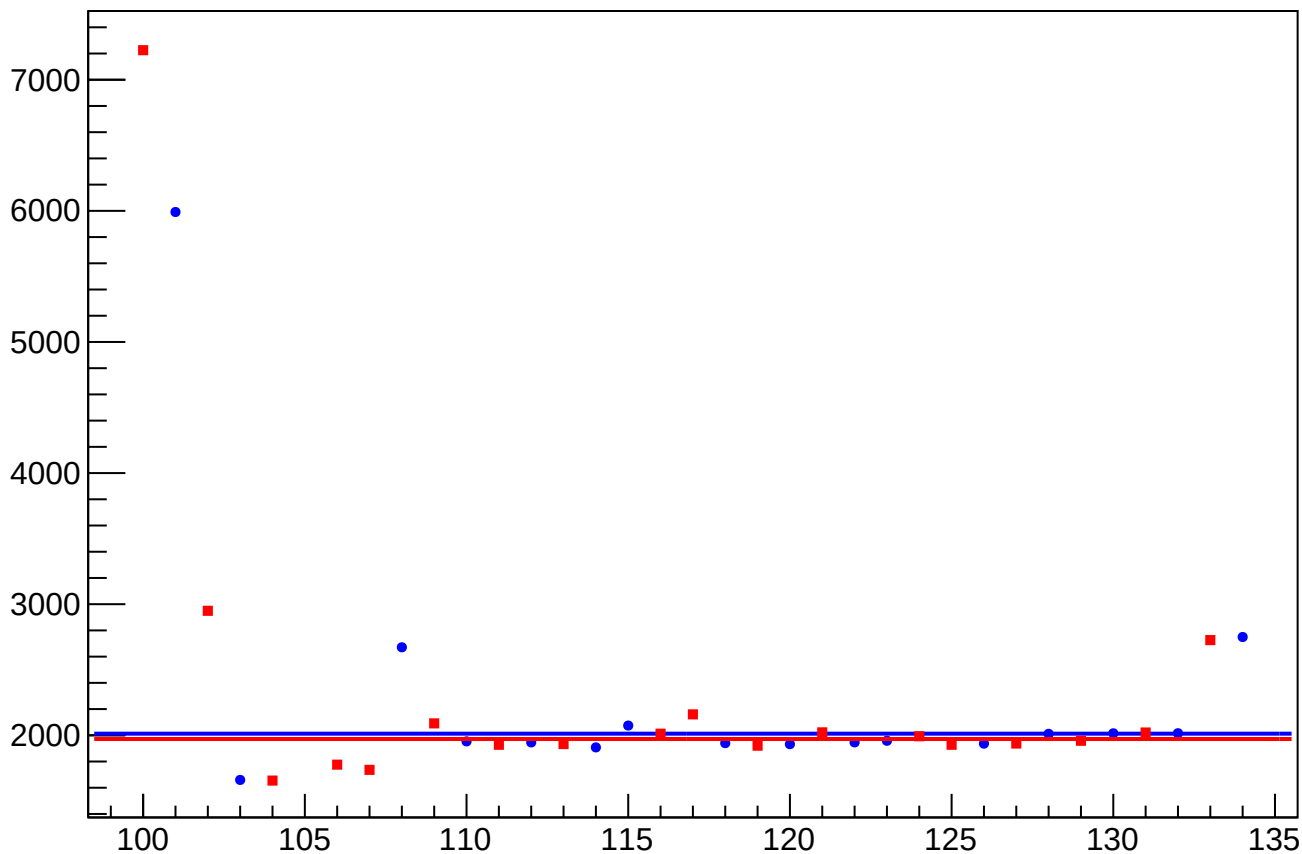
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-796.822+/-854.492  $\chi^2/\text{NDF}$ : 12.5/15

-138.716+/-582.601  $\chi^2/\text{NDF}$ : 23.9/33

432.970+/-796.414  $\chi^2/\text{NDF}$ : 10.3/17

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



Right In: 2012.446 $\pm$ 0.604  $\chi^2$ /NDF: 650034.4/15

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

Right Out: 1971.865 $\pm$ 0.562  $\chi^2$ /NDF: 293852.3/17

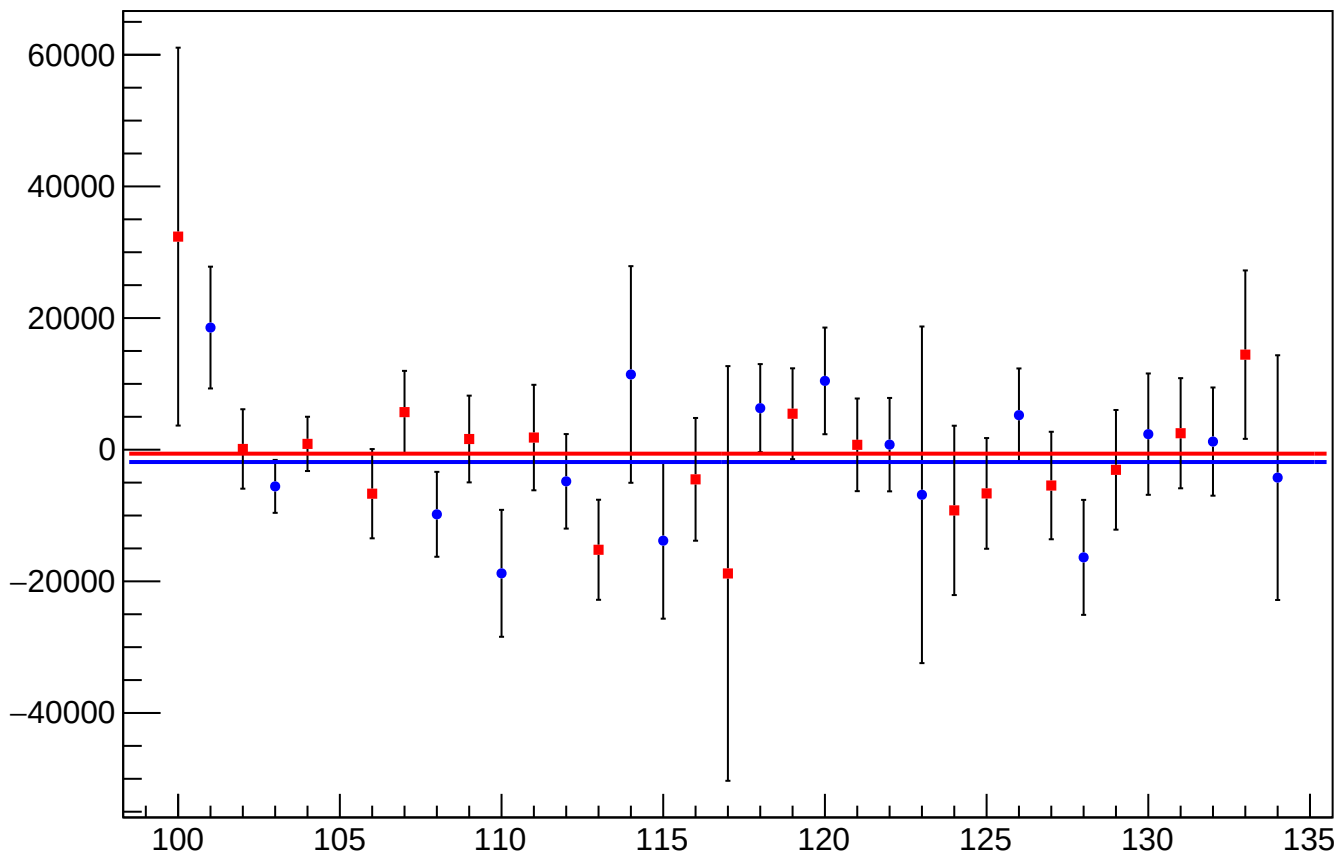
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2012.446 $\pm$ 0.604  $\chi^2$ /NDF: 650034.4/15

1990.706 $\pm$ 0.412  $\chi^2$ /NDF: 946303.2/33

1971.865 $\pm$ 0.562  $\chi^2$ /NDF: 293852.3/17

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



Right In: -1872.857+/-1961.392  $\chi^2/\text{NDF}$ : 20.3/15

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

Right Out: -602.470+/-1790.382  $\chi^2/\text{NDF}$ : 11.4/17

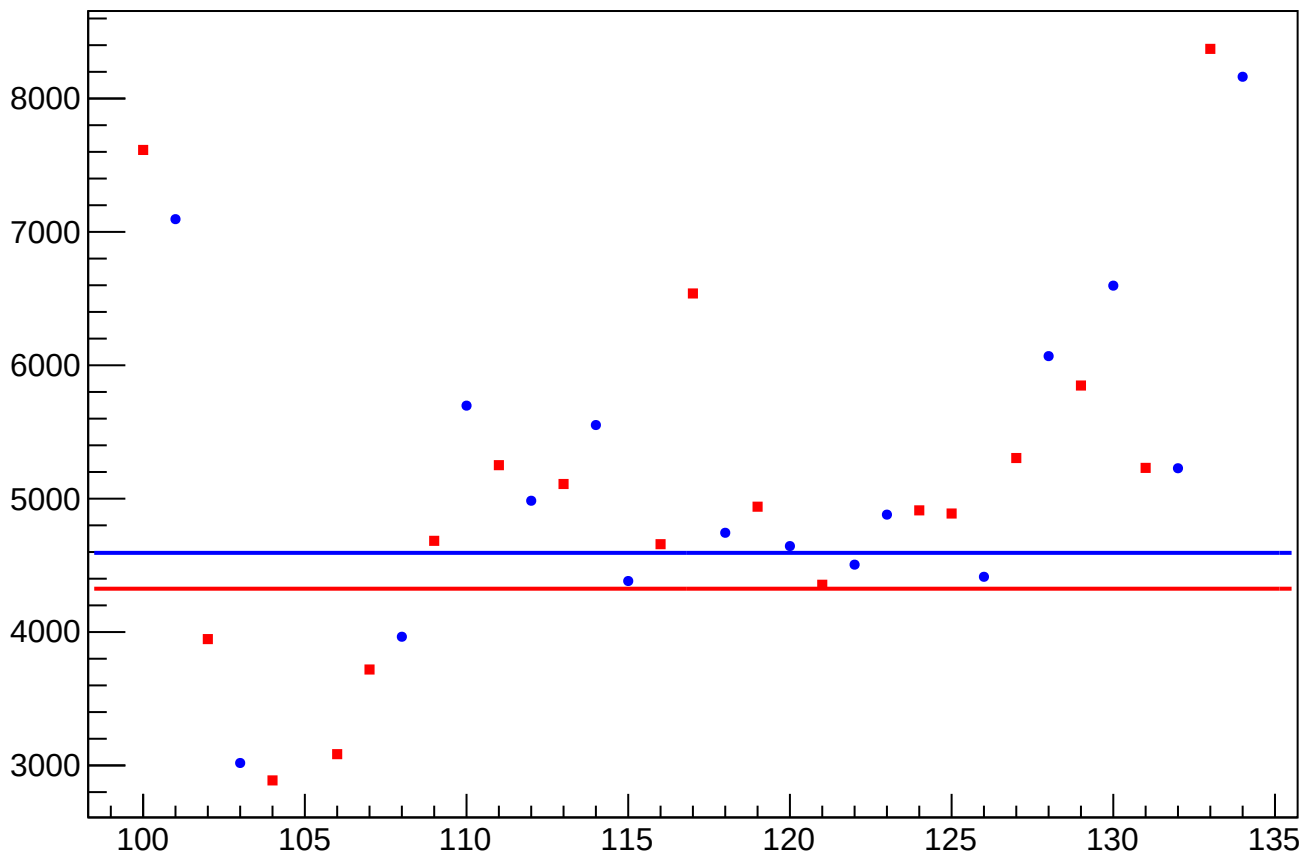
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1872.857+/-1961.392  $\chi^2/\text{NDF}$ : 20.3/15

-1179.878+/-1322.324  $\chi^2/\text{NDF}$ : 31.9/33

-602.470+/-1790.382  $\chi^2/\text{NDF}$ : 11.4/17

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



Right In: 4593.719+/-1.387  $\chi^2/\text{NDF}$ : 751970.4/15

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

Right Out: 4324.988+/-1.258  $\chi^2/\text{NDF}$ : 778705.6/17

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

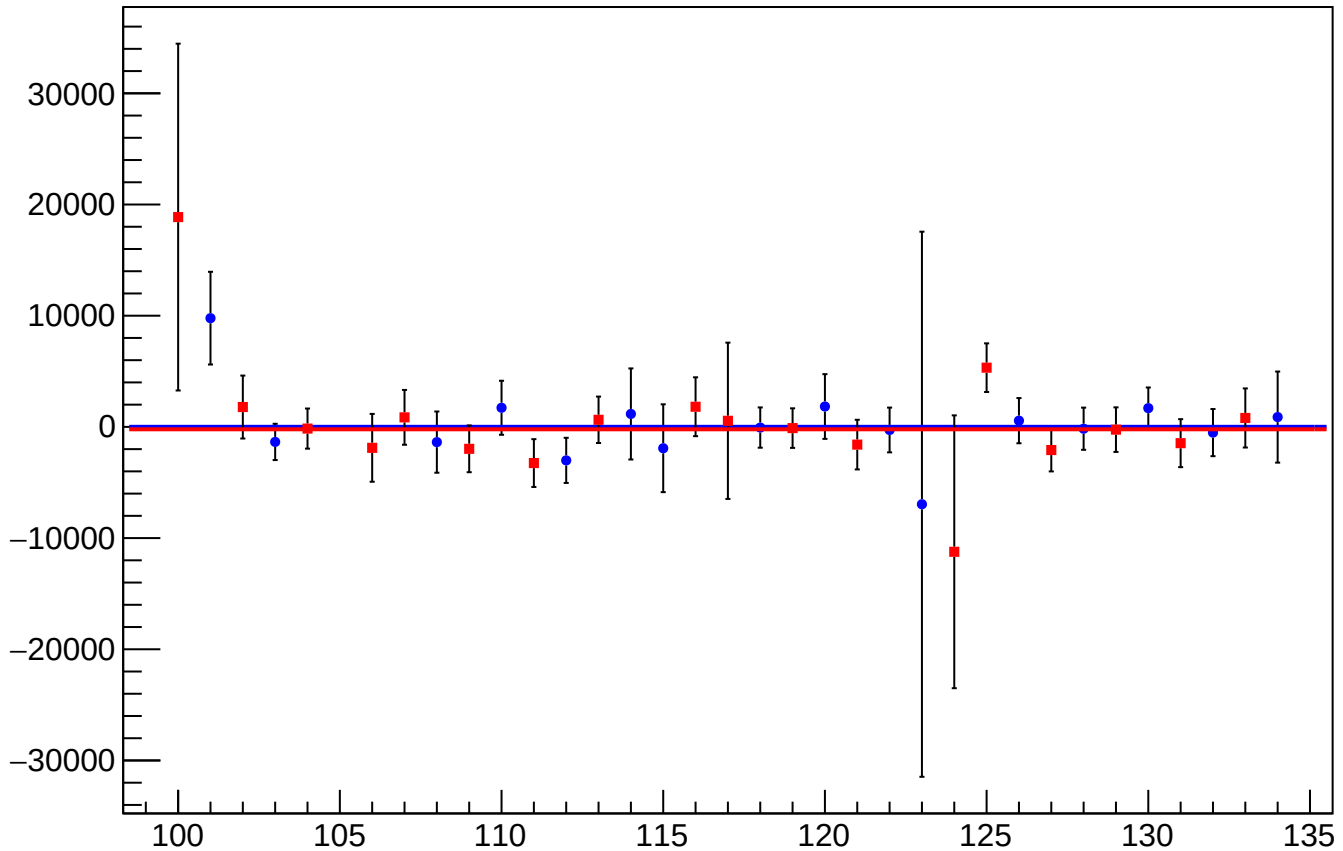
4593.719+/-1.387  $\chi^2/\text{NDF}$ : 751970.4/15

4446.300+/-0.932  $\chi^2/\text{NDF}$ : 1551271.5/33

4324.988+/-1.258  $\chi^2/\text{NDF}$ : 778705.6/17



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



Right In: 6.223+/-590.816  $\chi^2/\text{NDF}$ : 11.0/15

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

Right Out: -216.082+/-563.310  $\chi^2/\text{NDF}$ : 15.0/17

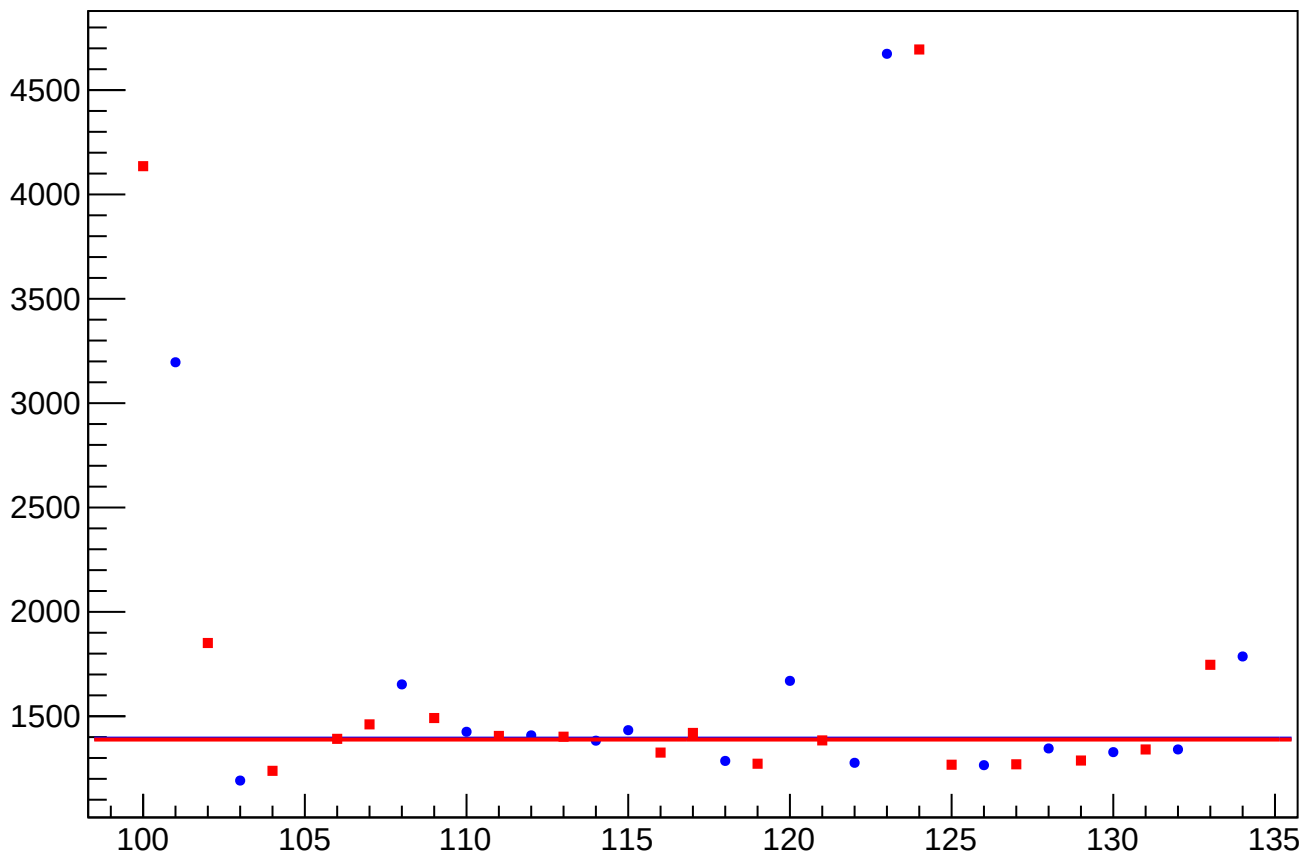
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.223+/-590.816  $\chi^2/\text{NDF}$ : 11.0/15

-110.225+/-407.698  $\chi^2/\text{NDF}$ : 26.0/33

-216.082+/-563.310  $\chi^2/\text{NDF}$ : 15.0/17

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



Right In: 1392.789+/-0.418  $\chi^2/\text{NDF}$ : 521574.3/15

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

Right Out: 1388.289+/-0.398  $\chi^2/\text{NDF}$ : 346953.5/17

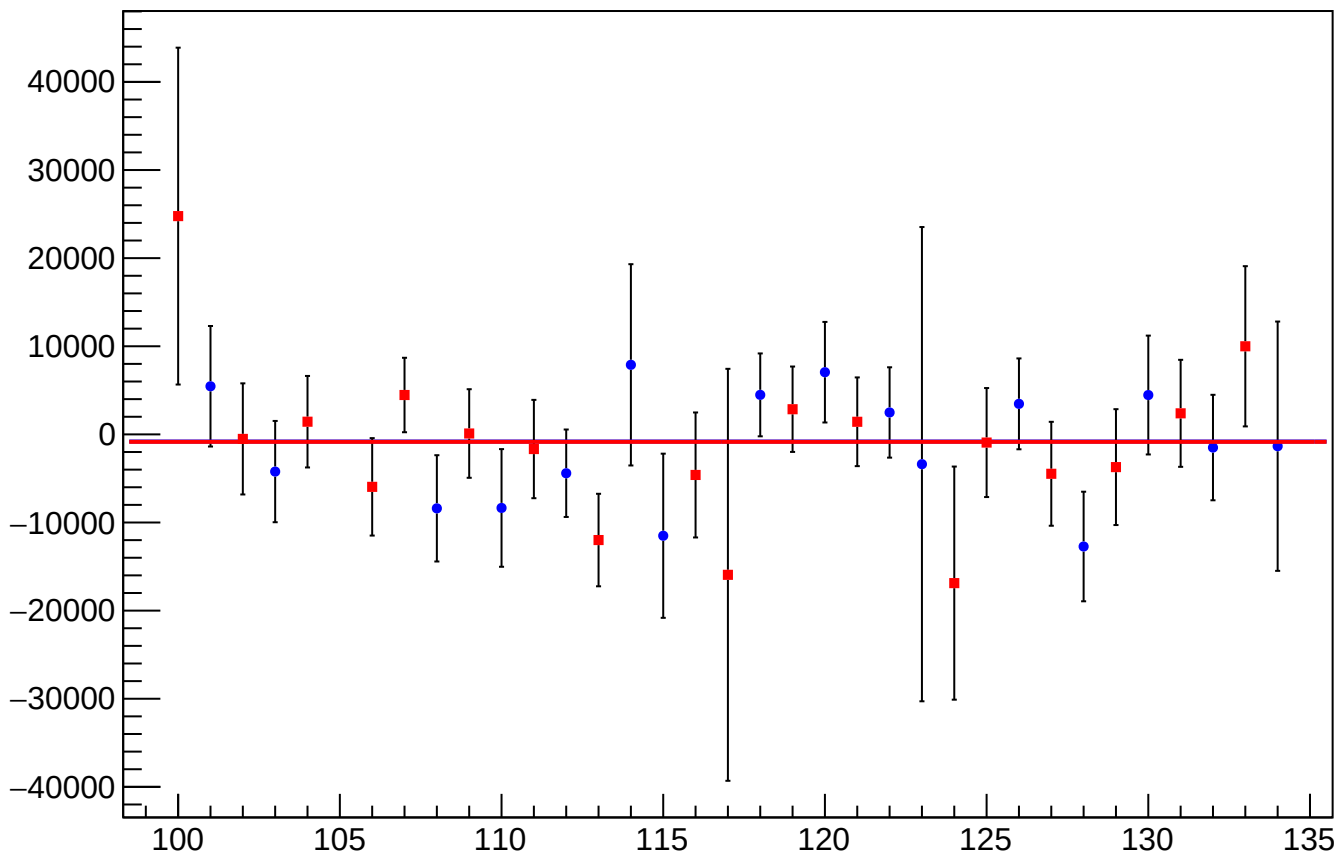
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1392.789+/-0.418  $\chi^2/\text{NDF}$ : 521574.3/15

1390.430+/-0.288  $\chi^2/\text{NDF}$ : 868588.5/33

1388.289+/-0.398  $\chi^2/\text{NDF}$ : 346953.5/17

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



Right In: -809.129+/-1590.860  $\chi^2/\text{NDF}$ : 15.0/15

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

Right Out: -845.287+/-1430.843  $\chi^2/\text{NDF}$ : 14.2/17

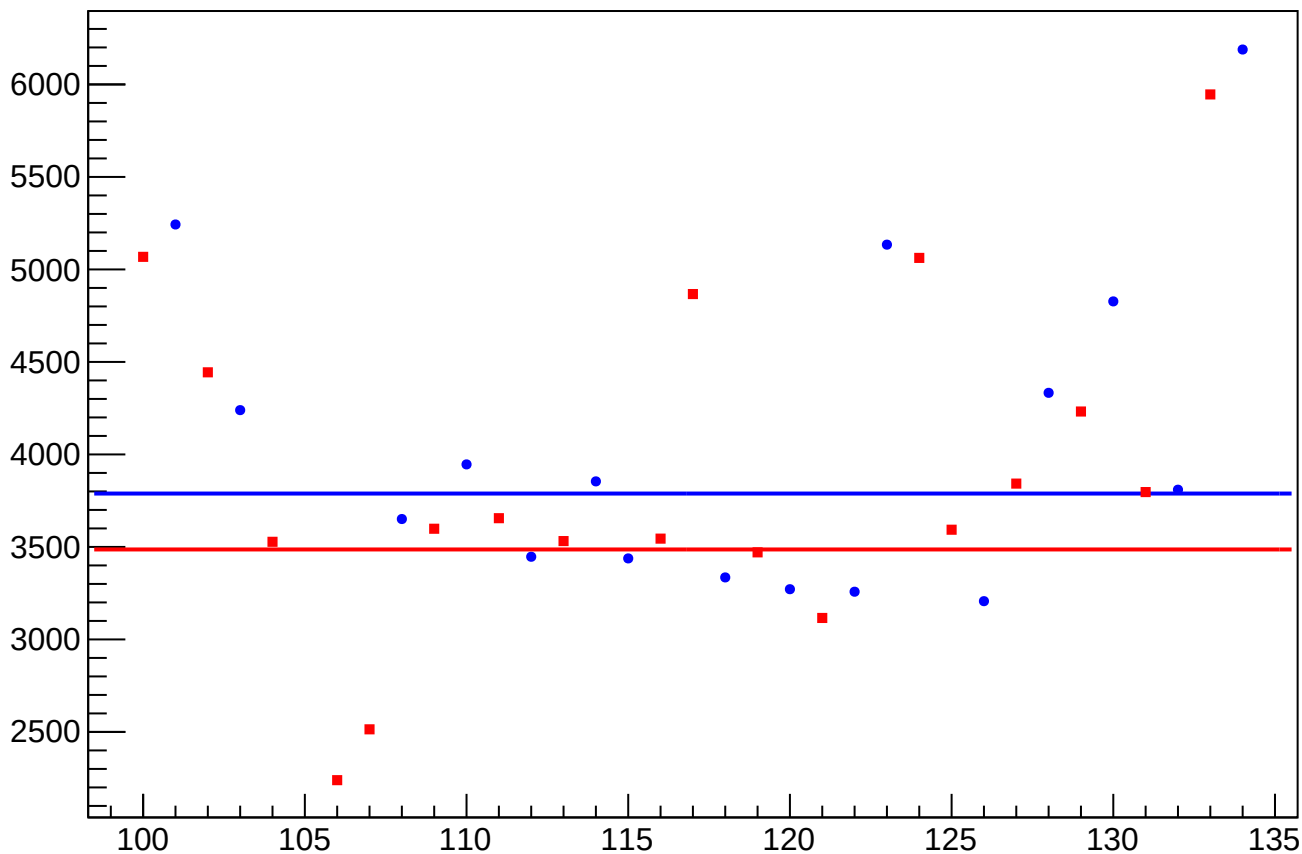
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-809.129+/-1590.860  $\chi^2/\text{NDF}$ : 15.0/15

-829.117+/-1063.847  $\chi^2/\text{NDF}$ : 29.3/33

-845.287+/-1430.843  $\chi^2/\text{NDF}$ : 14.2/17

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



Right In: 3788.555+/-1.125  $\chi^2/\text{NDF}$ : 324593.4/15

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

Right Out: 3486.319+/-1.002  $\chi^2/\text{NDF}$ : 532289.5/17

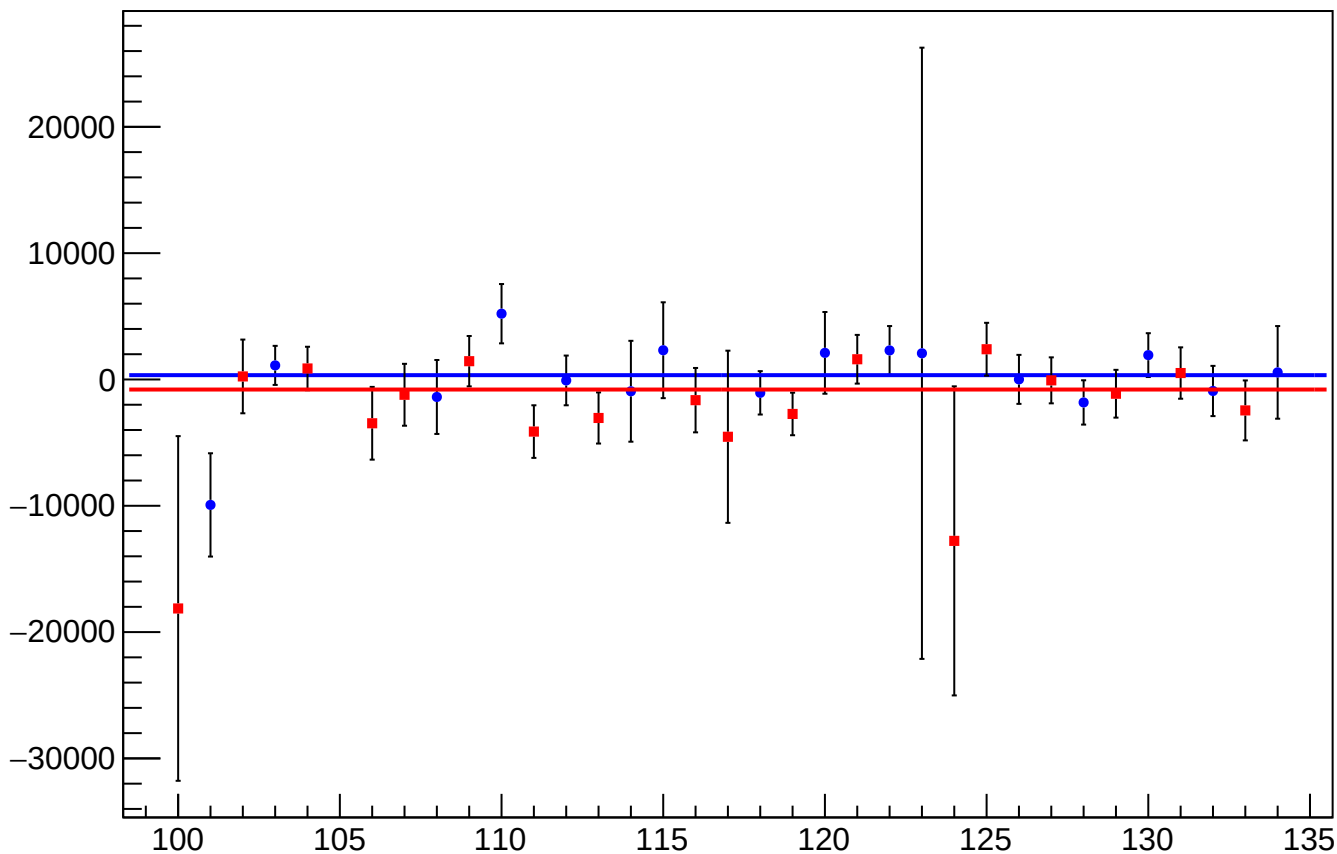
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3788.555+/-1.125  $\chi^2/\text{NDF}$ : 324593.4/15

3620.014+/-0.748  $\chi^2/\text{NDF}$ : 897139.8/33

3486.319+/-1.002  $\chi^2/\text{NDF}$ : 532289.5/17

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



Right In: 341.597+/-565.952  $\chi^2/\text{NDF}$ : 16.4/15

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

Right Out: -796.583+/-534.026  $\chi^2/\text{NDF}$ : 16.3/17

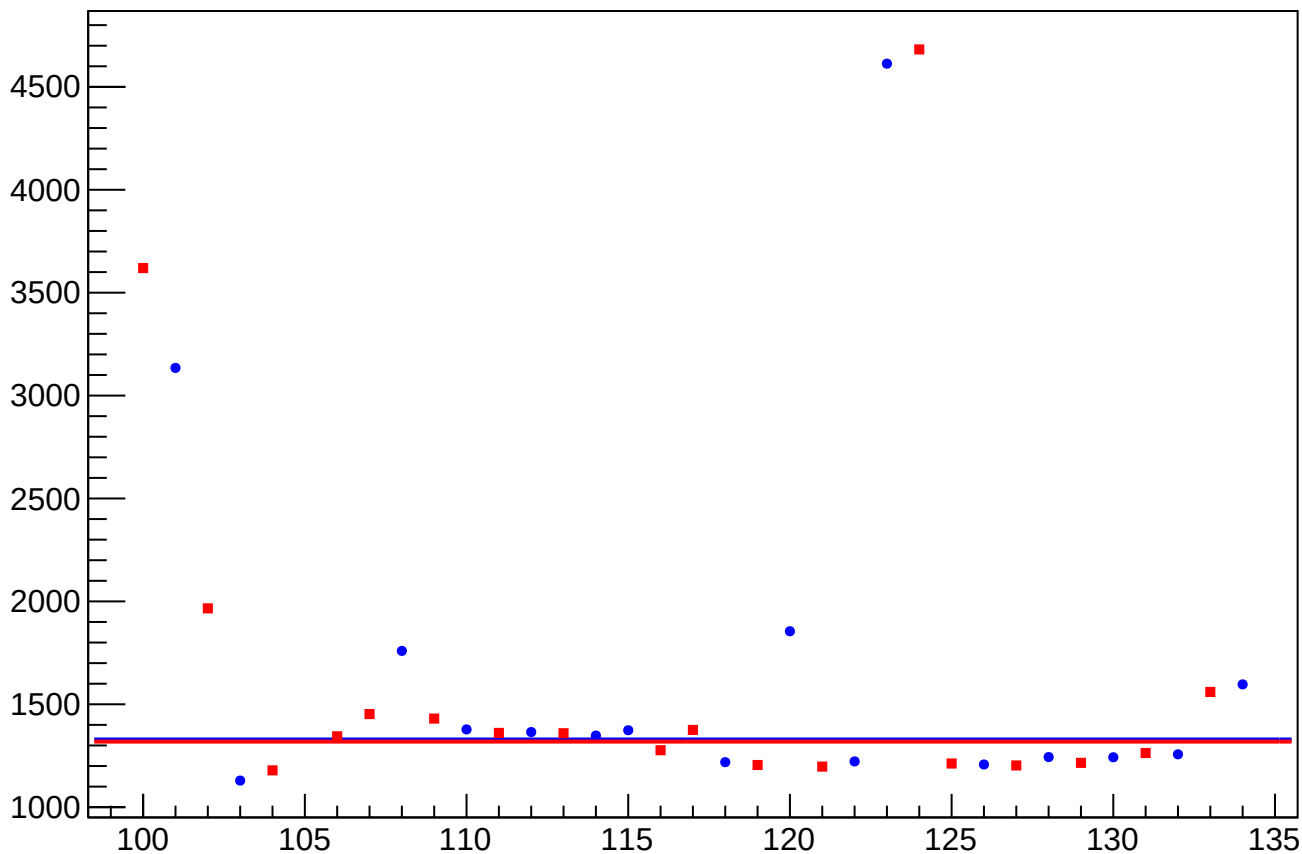
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

341.597+/-565.952  $\chi^2/\text{NDF}$ : 16.4/15

-260.499+/-388.410  $\chi^2/\text{NDF}$ : 34.8/33

-796.583+/-534.026  $\chi^2/\text{NDF}$ : 16.3/17

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



Right In: 1328.966 $\pm$ 0.400  $\chi^2$ /NDF: 603296.4/15

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

Right Out: 1318.760 $\pm$ 0.378  $\chi^2$ /NDF: 392797.9/17

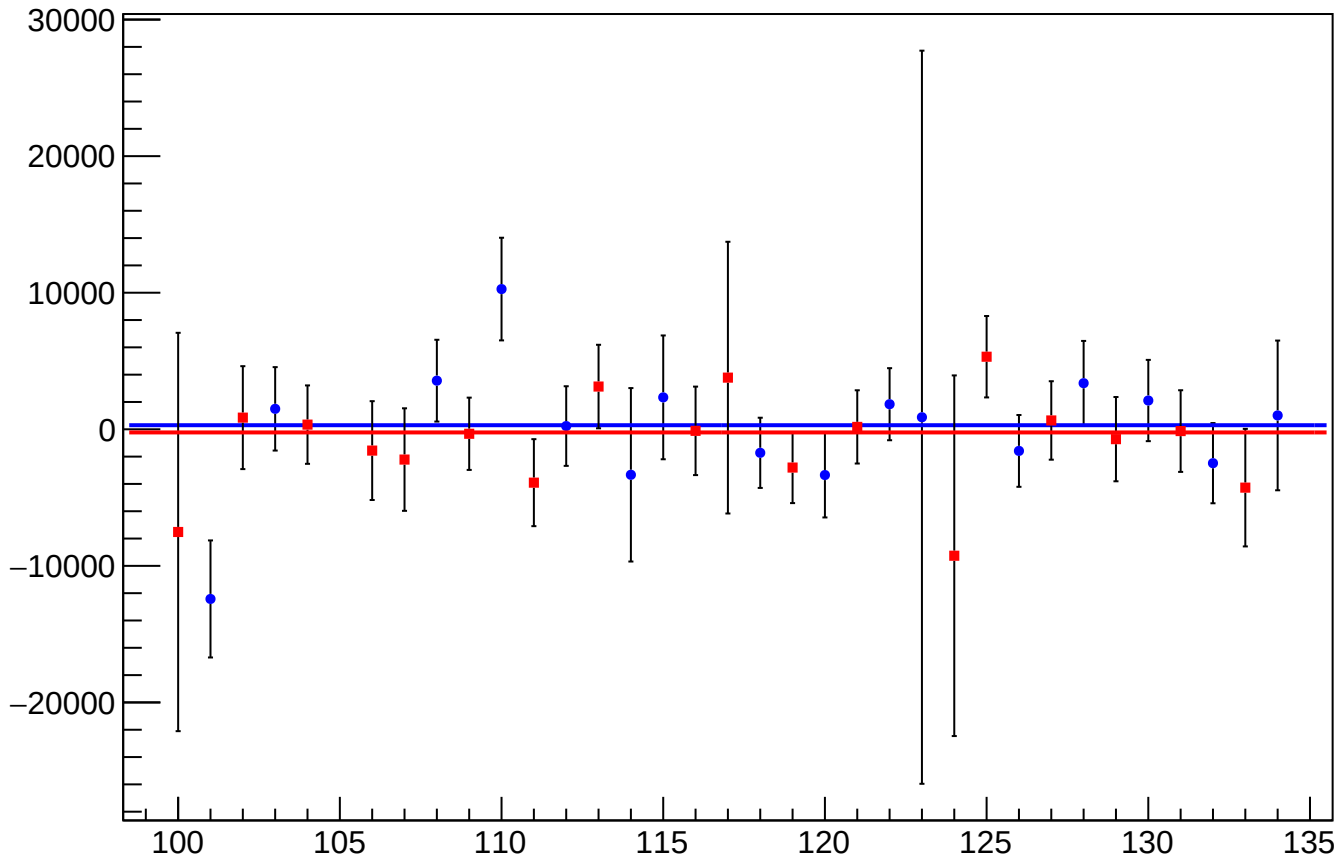
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

1328.966 $\pm$ 0.400  $\chi^2$ /NDF: 603296.4/15

1323.567 $\pm$ 0.275  $\chi^2$ /NDF: 996438.4/33

1318.760 $\pm$ 0.378  $\chi^2$ /NDF: 392797.9/17

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



Right In: 298.856+/-831.445  $\chi^2/\text{NDF}$ : 22.8/15

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

Right Out: -230.084+/-791.895  $\chi^2/\text{NDF}$ : 9.4/17

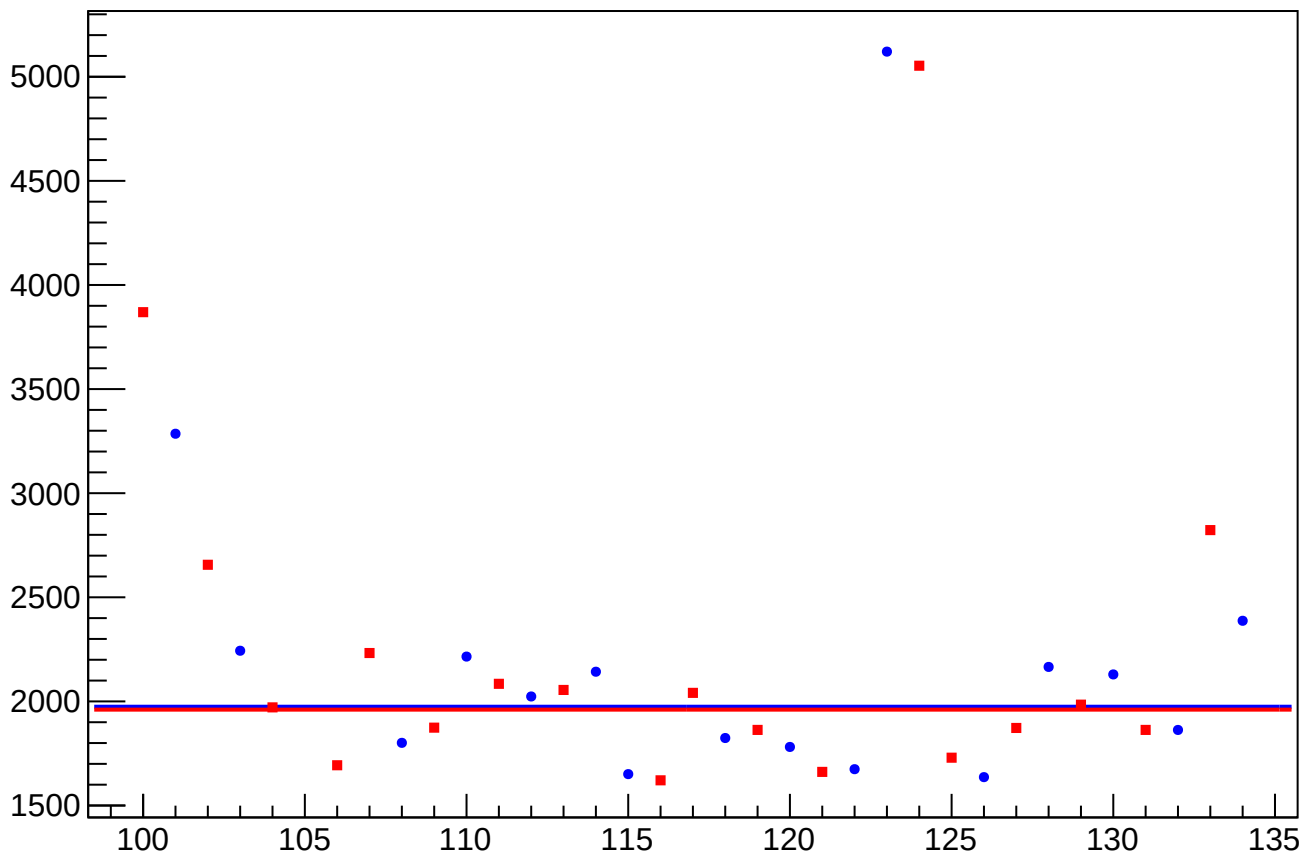
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

298.856+/-831.445  $\chi^2/\text{NDF}$ : 22.8/15

21.507+/-573.426  $\chi^2/\text{NDF}$ : 32.5/33

-230.084+/-791.895  $\chi^2/\text{NDF}$ : 9.4/17

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



Right In: 1974.461+/-0.588  $\chi^2/\text{NDF}$ : 358103.3/15

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

Right Out: 1960.420+/-0.560  $\chi^2/\text{NDF}$ : 386855.3/17

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

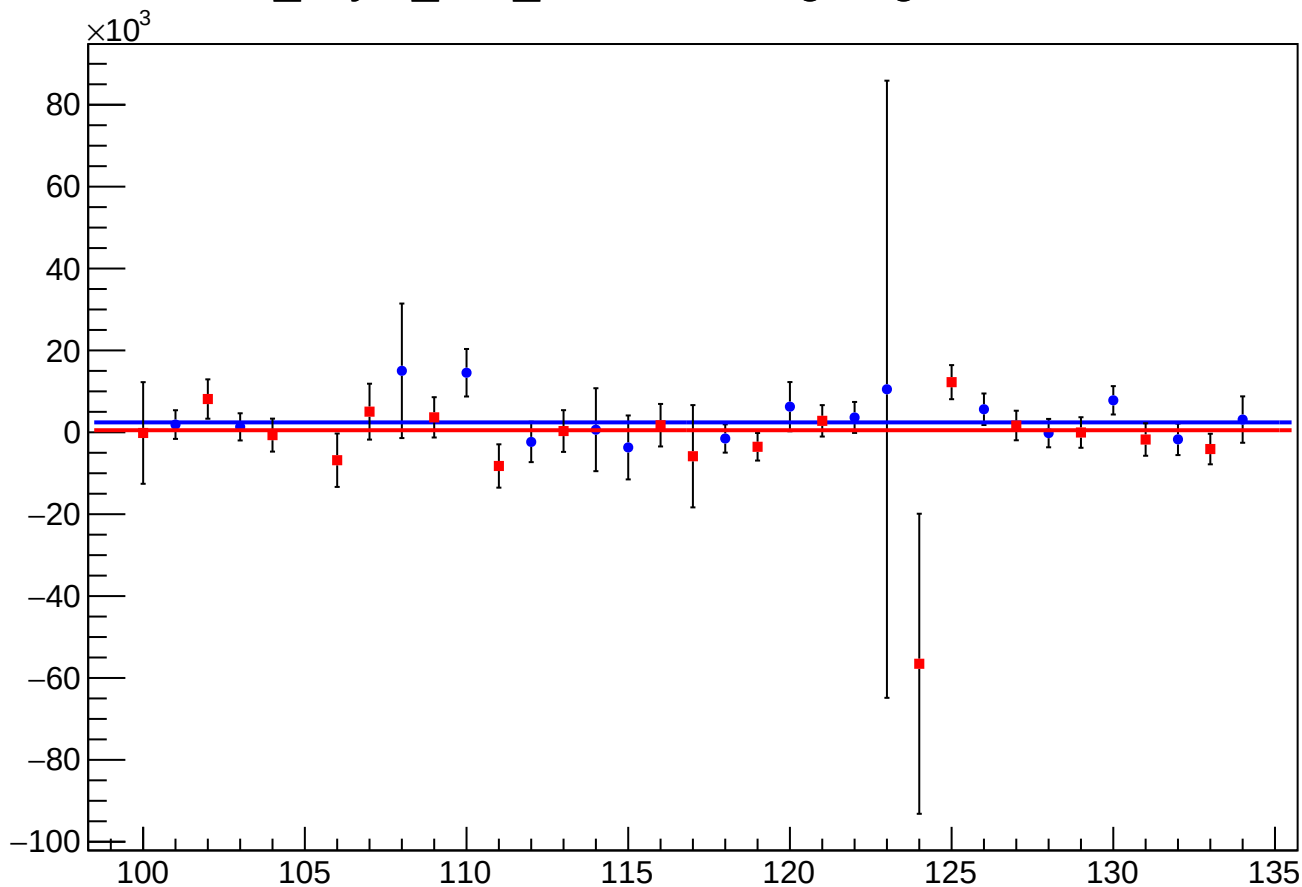
1974.461+/-0.588  $\chi^2/\text{NDF}$ : 358103.3/15

1967.098+/-0.405  $\chi^2/\text{NDF}$ : 745257.7/33

1960.420+/-0.560  $\chi^2/\text{NDF}$ : 386855.3/17



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



Right In: 2425.296 $\pm$ 1126.790  $\chi^2$ /NDF: 13.3/15

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

Right Out: 509.988 $\pm$ 1108.502  $\chi^2$ /NDF: 21.9/17

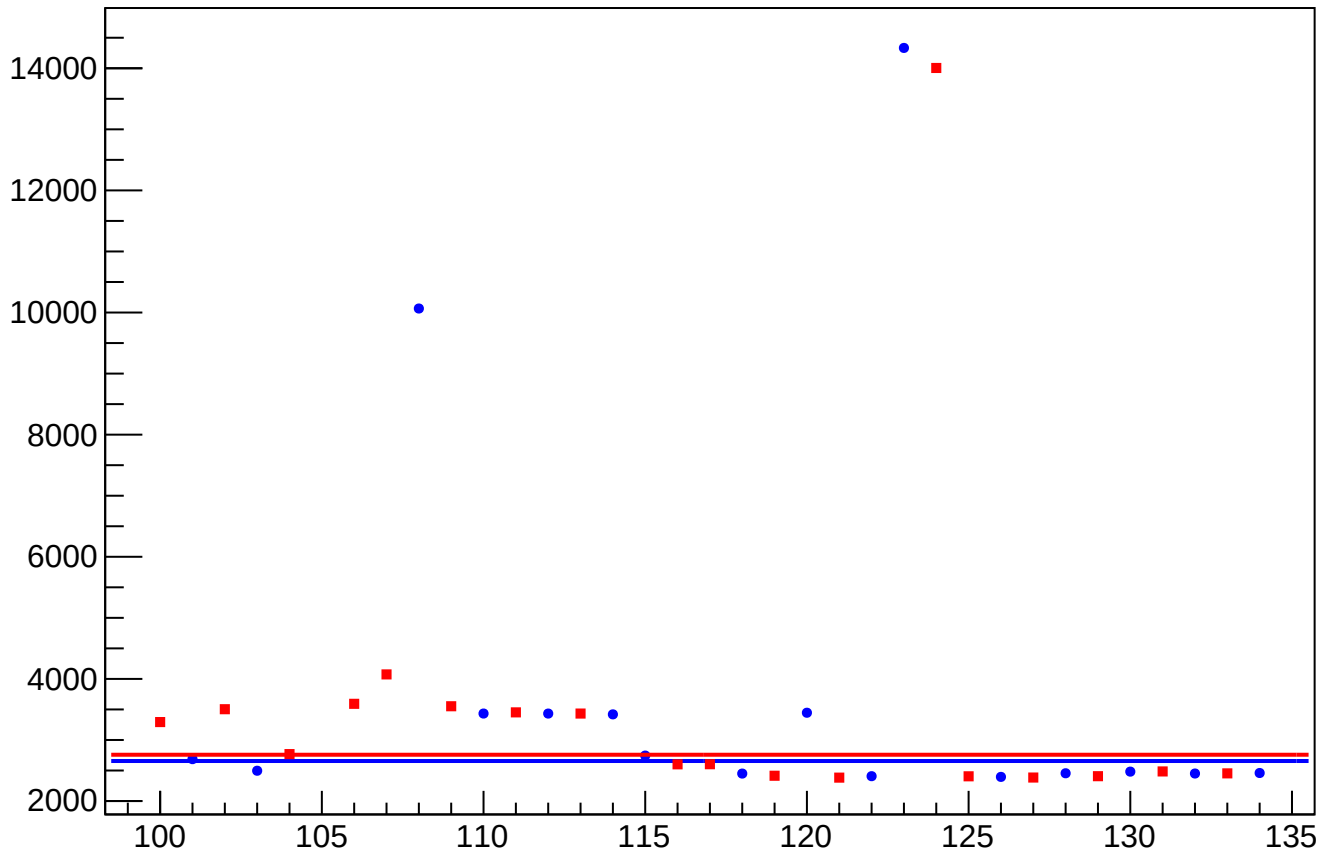
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2425.296 $\pm$ 1126.790  $\chi^2$ /NDF: 13.3/15

1451.974 $\pm$ 790.216  $\chi^2$ /NDF: 36.7/33

509.988 $\pm$ 1108.502  $\chi^2$ /NDF: 21.9/17

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



Right In: 2655.563+/-0.797  $\chi^2/\text{NDF}$ : 636128.0/15

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

Right Out: 2758.251+/-0.784  $\chi^2/\text{NDF}$ : 587221.6/17

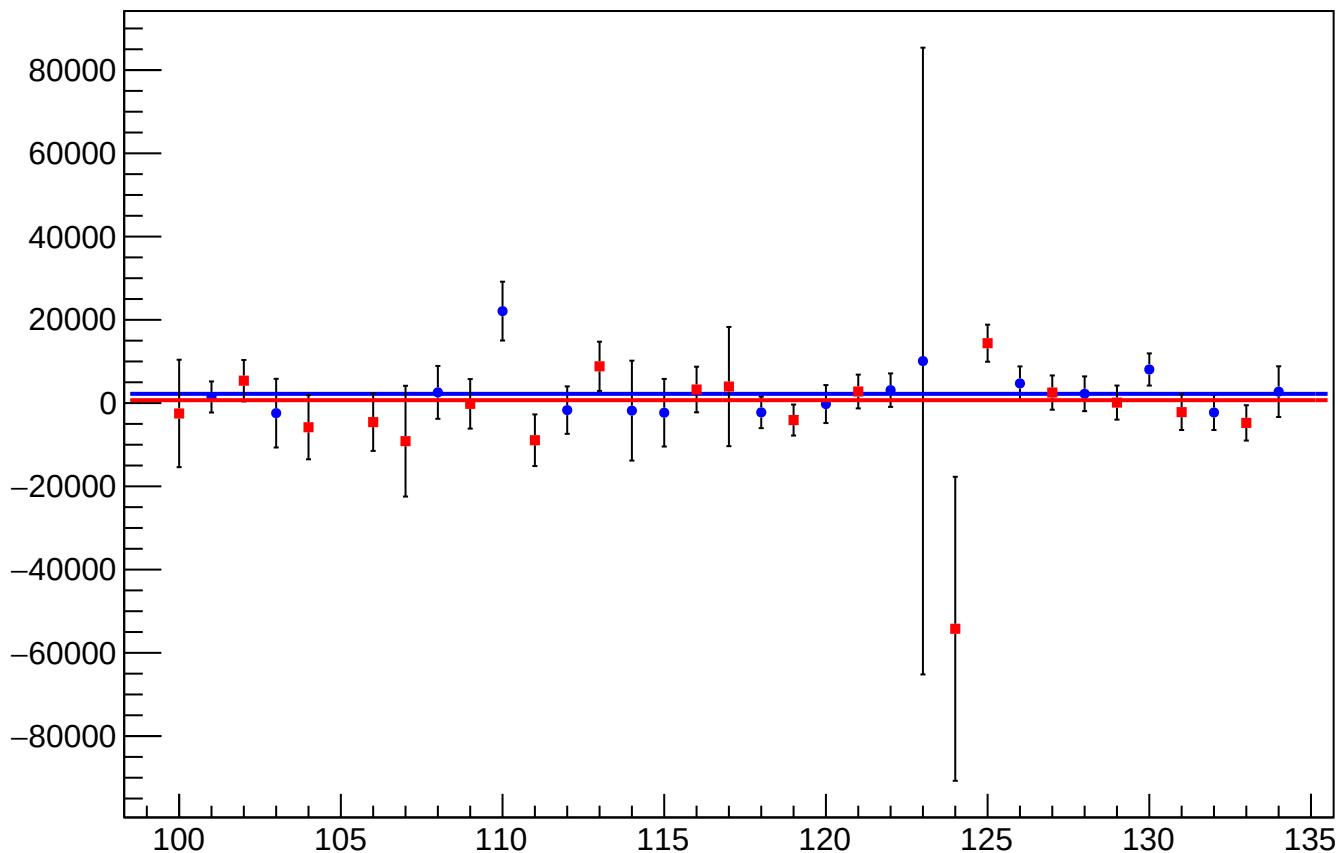
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2655.563+/-0.797  $\chi^2/\text{NDF}$ : 636128.0/15

2707.747+/-0.559  $\chi^2/\text{NDF}$ : 1231790.8/33

2758.251+/-0.784  $\chi^2/\text{NDF}$ : 587221.6/17

# asym\_atl1\_mean vs Slug, Sign Corrected



Right In: 2219.867+/-1258.167  $\chi^2/\text{NDF}$ : 14.7/15

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

Right Out: 698.228+/-1266.612  $\chi^2/\text{NDF}$ : 23.3/17

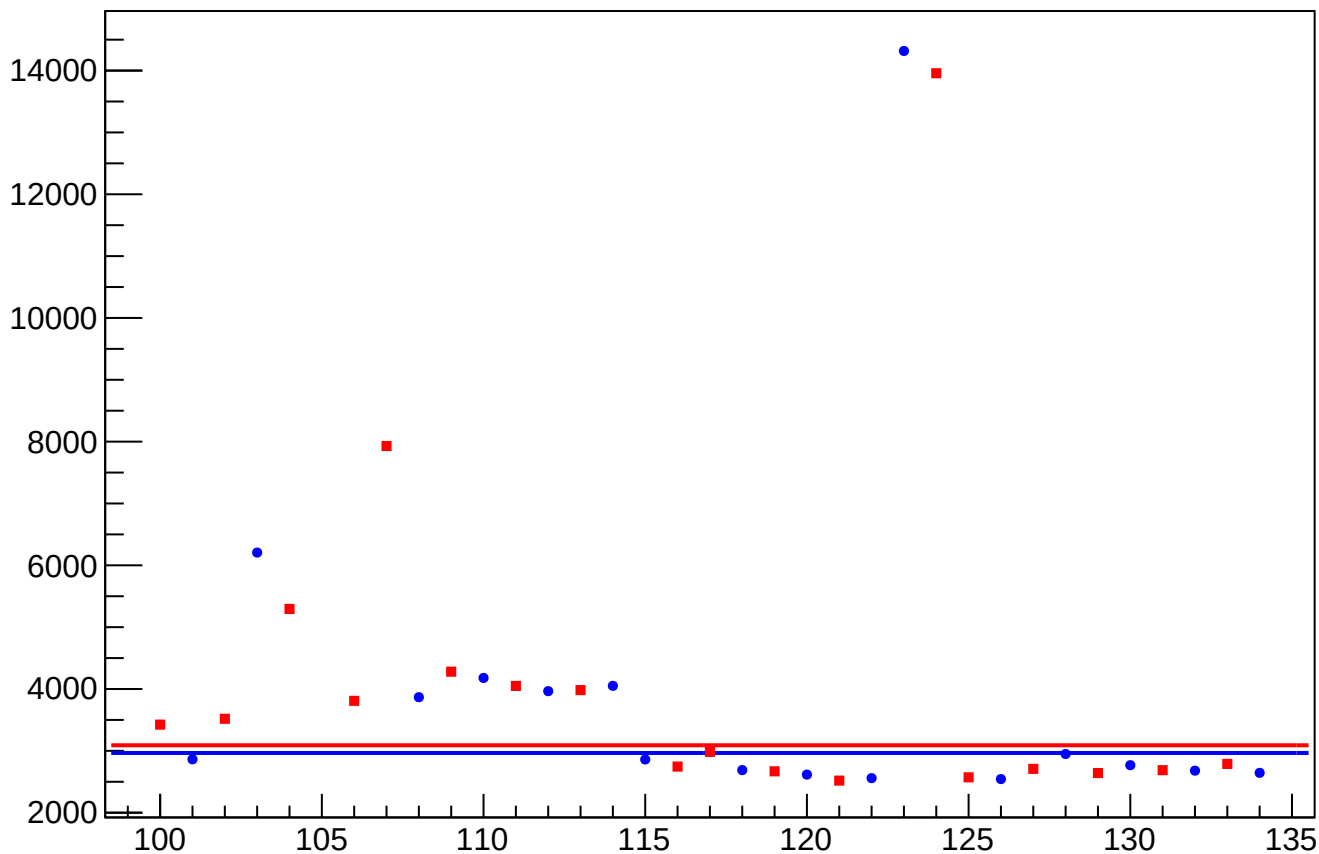
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2219.867+/-1258.167  $\chi^2/\text{NDF}$ : 14.7/15

1464.138+/-892.629  $\chi^2/\text{NDF}$ : 38.8/33

698.228+/-1266.612  $\chi^2/\text{NDF}$ : 23.3/17

# asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 2965.724+/-0.890  $\chi^2/\text{NDF}$ : 617518.0/15

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

Right Out: 3089.834+/-0.896  $\chi^2/\text{NDF}$ : 985864.9/17

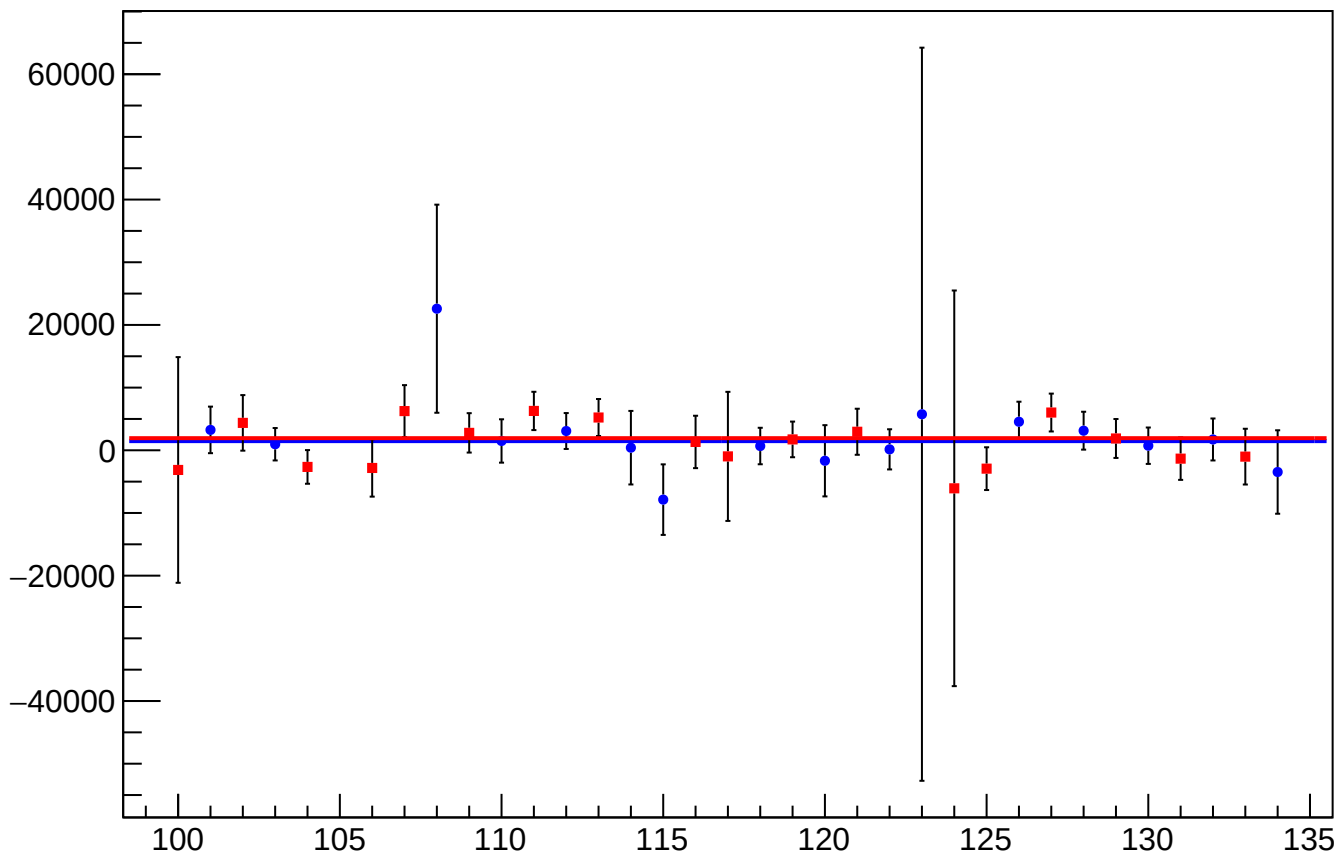
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2965.724+/-0.890  $\chi^2/\text{NDF}$ : 617518.0/15

3027.364+/-0.631  $\chi^2/\text{NDF}$ : 1613048.4/33

3089.834+/-0.896  $\chi^2/\text{NDF}$ : 985864.9/17

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



Right In: 1462.074+/-922.133  $\chi^2/\text{NDF}$ : 7.4/15

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

Right Out: 1933.710+/-868.878  $\chi^2/\text{NDF}$ : 14.3/17

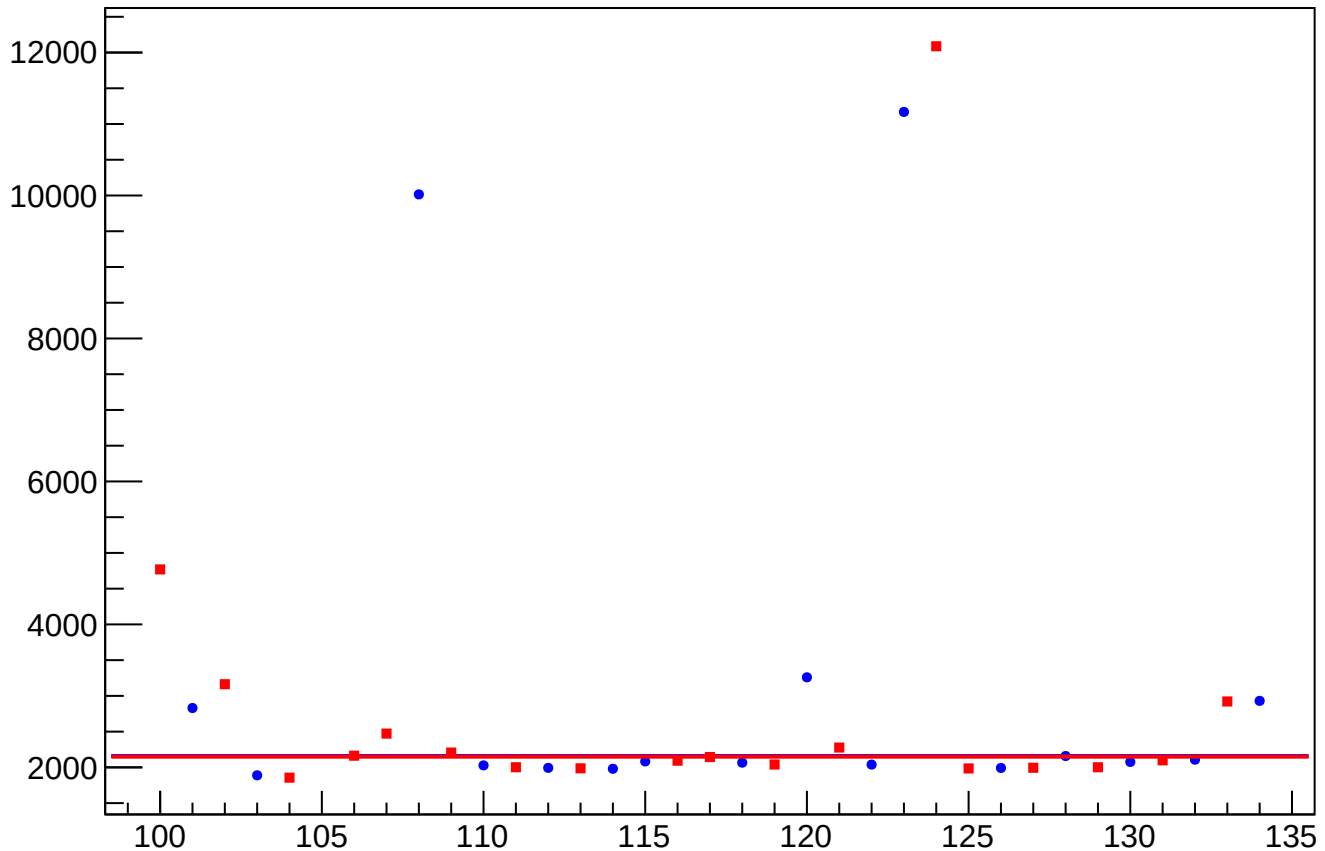
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1462.074+/-922.133  $\chi^2/\text{NDF}$ : 7.4/15

1711.903+/-632.379  $\chi^2/\text{NDF}$ : 21.8/33

1933.710+/-868.878  $\chi^2/\text{NDF}$ : 14.3/17

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



Right In: 2157.974 $\pm$ 0.652  $\chi^2$ /NDF: 708756.9/15

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

Right Out: 2150.017 $\pm$ 0.614  $\chi^2$ /NDF: 473679.4/17

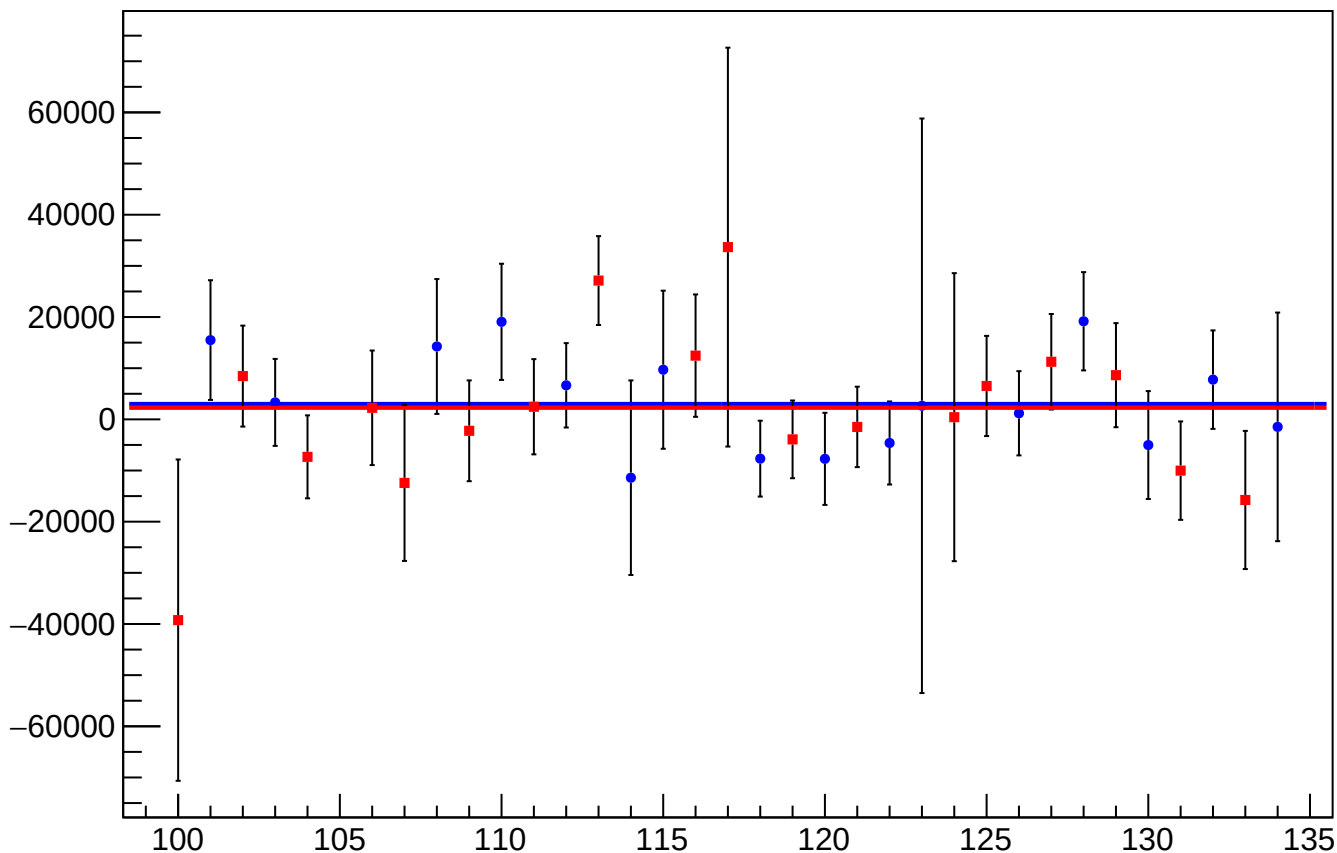
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2157.974 $\pm$ 0.652  $\chi^2$ /NDF: 708756.9/15

2153.756 $\pm$ 0.447  $\chi^2$ /NDF: 1182515.3/33

2150.017 $\pm$ 0.614  $\chi^2$ /NDF: 473679.4/17

# asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 3024.963 $\pm$ 2584.311  $\chi^2$ /NDF: 13.0/15

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

Right Out: 2249.457 $\pm$ 2468.224  $\chi^2$ /NDF: 20.1/17

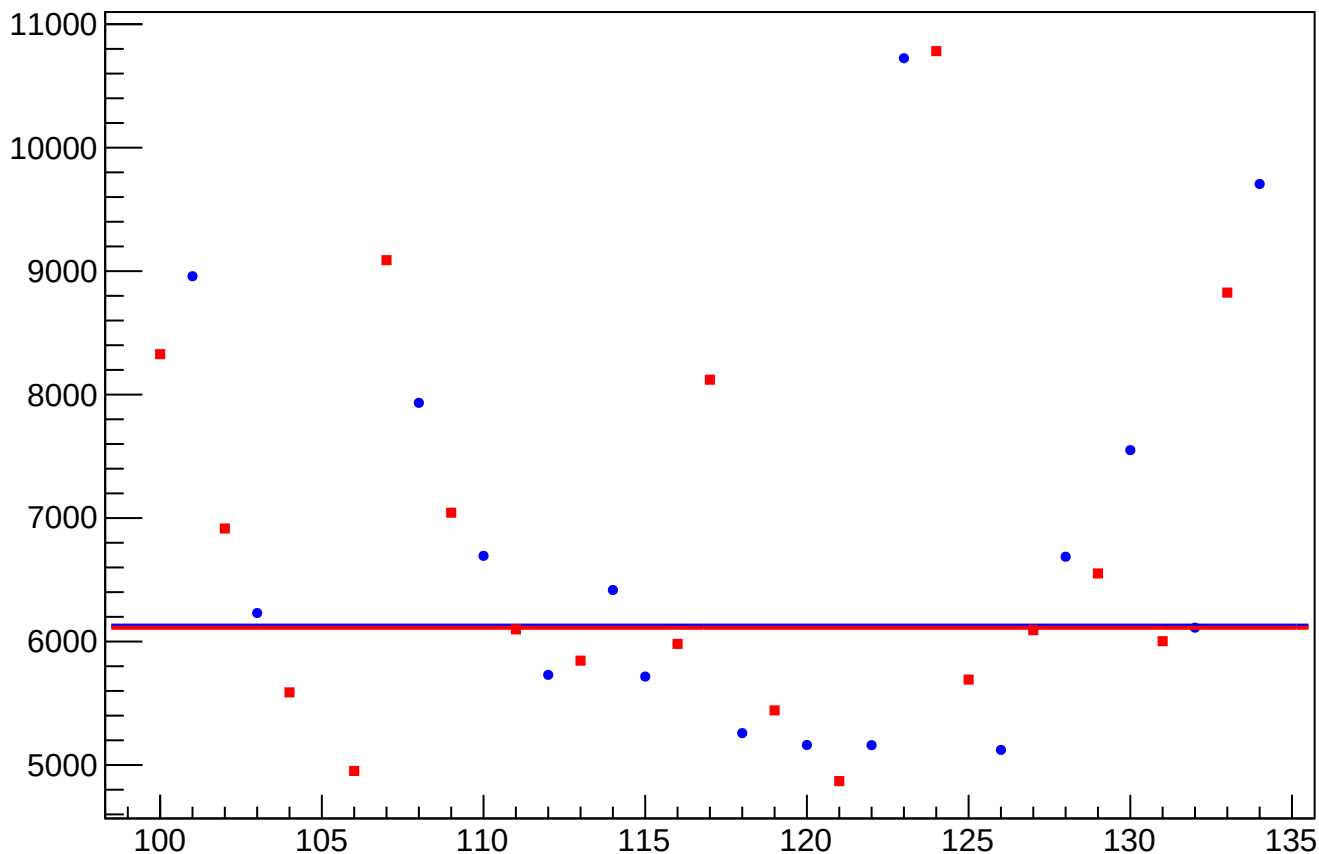
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

3024.963 $\pm$ 2584.311  $\chi^2$ /NDF: 13.0/15

2619.401 $\pm$ 1784.927  $\chi^2$ /NDF: 33.1/33

2249.457 $\pm$ 2468.224  $\chi^2$ /NDF: 20.1/17

# asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 6129.148 $\pm$ 1.827  $\chi^2$ /NDF: 383039.4/15

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

Right Out: 6111.520 $\pm$ 1.745  $\chi^2$ /NDF: 363614.2/17

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

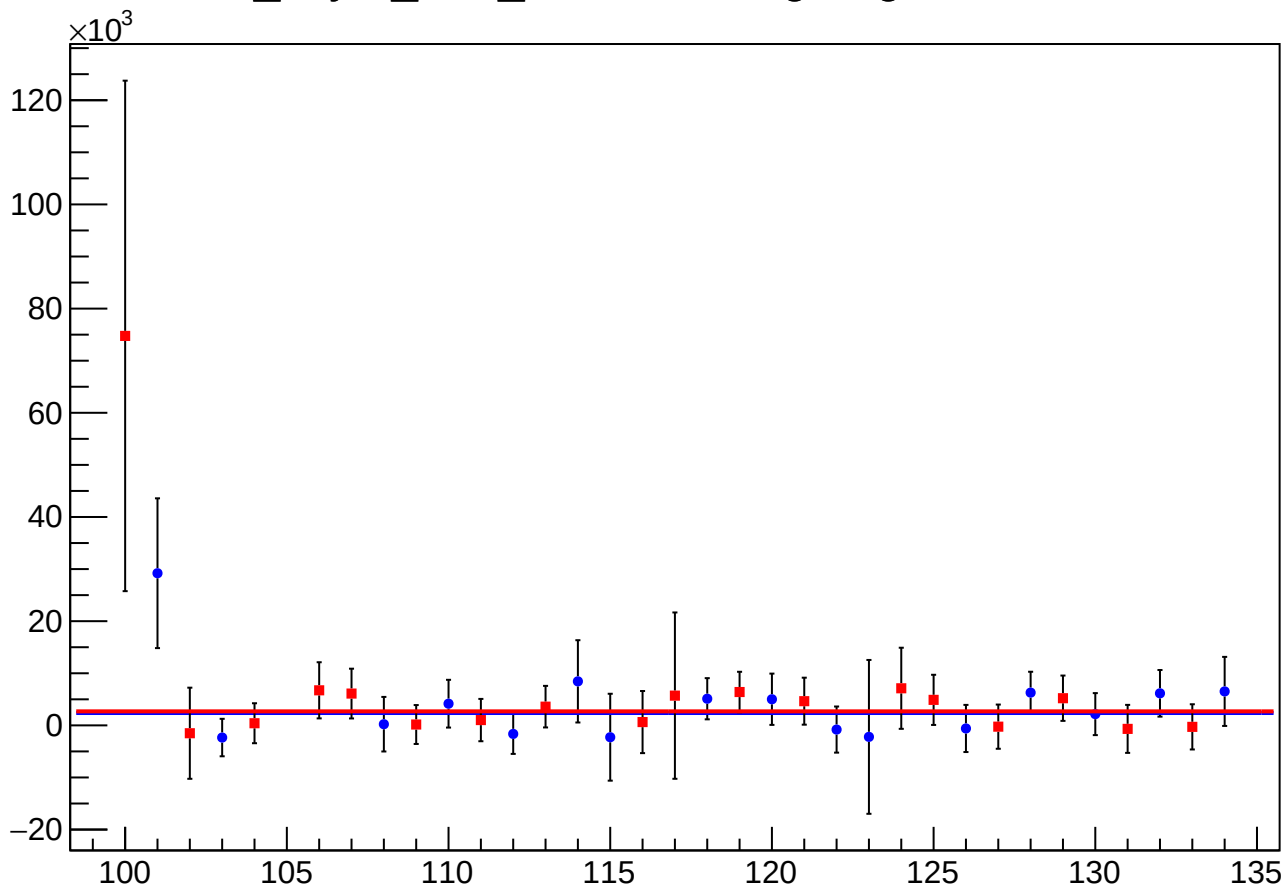
6129.148 $\pm$ 1.827  $\chi^2$ /NDF: 383039.4/15

6119.929 $\pm$ 1.262  $\chi^2$ /NDF: 746702.2/33

6111.520 $\pm$ 1.745  $\chi^2$ /NDF: 363614.2/17



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



Right In: 2372.835 $\pm$ 1220.926  $\chi^2$ /NDF: 11.4/15

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

Right Out: 2691.268 $\pm$ 1139.092  $\chi^2$ /NDF: 8.1/17

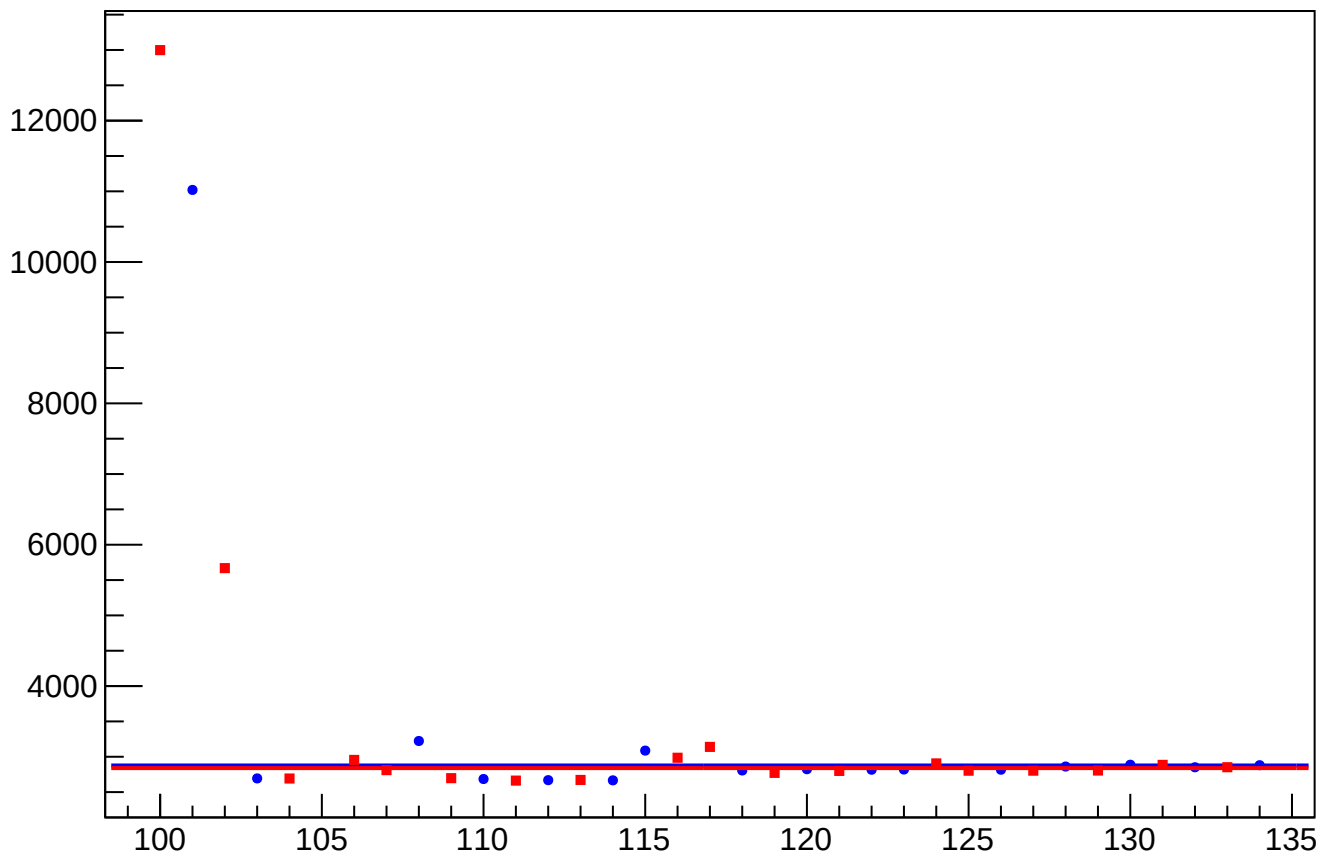
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2372.835 $\pm$ 1220.926  $\chi^2$ /NDF: 11.4/15

2543.080 $\pm$ 832.888  $\chi^2$ /NDF: 19.5/33

2691.268 $\pm$ 1139.092  $\chi^2$ /NDF: 8.1/17

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



Right In: 2876.533+/-0.863  $\chi^2/\text{NDF}$ : 669373.3/15

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

Right Out: 2839.355+/-0.805  $\chi^2/\text{NDF}$ : 312906.2/17

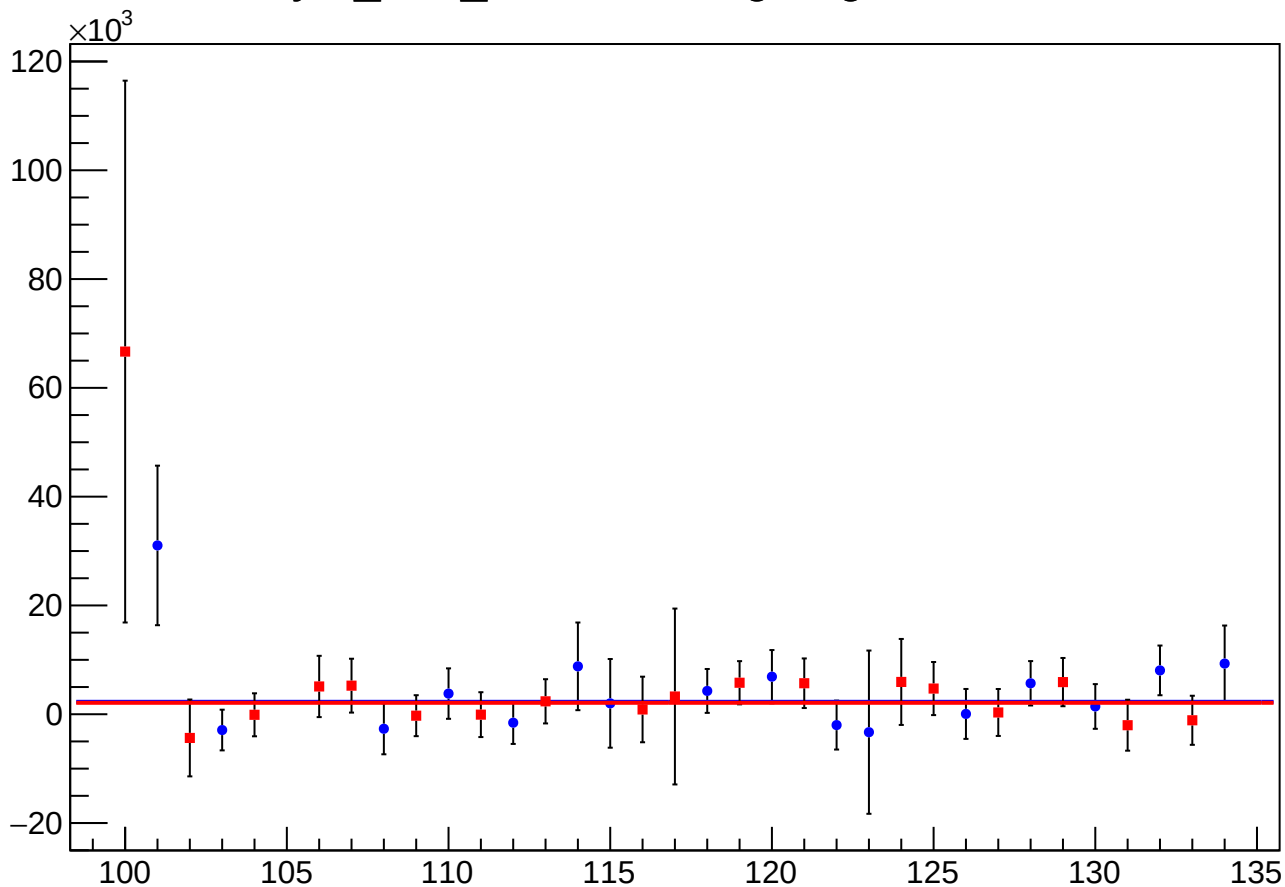
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2876.533+/-0.863  $\chi^2/\text{NDF}$ : 669373.3/15

2856.656+/-0.589  $\chi^2/\text{NDF}$ : 983270.9/33

2839.355+/-0.805  $\chi^2/\text{NDF}$ : 312906.2/17

# asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 2283.998 $\pm$ 1234.386  $\chi^2$ /NDF: 14.4/15

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

Right Out: 2103.145 $\pm$ 1157.168  $\chi^2$ /NDF: 8.4/17

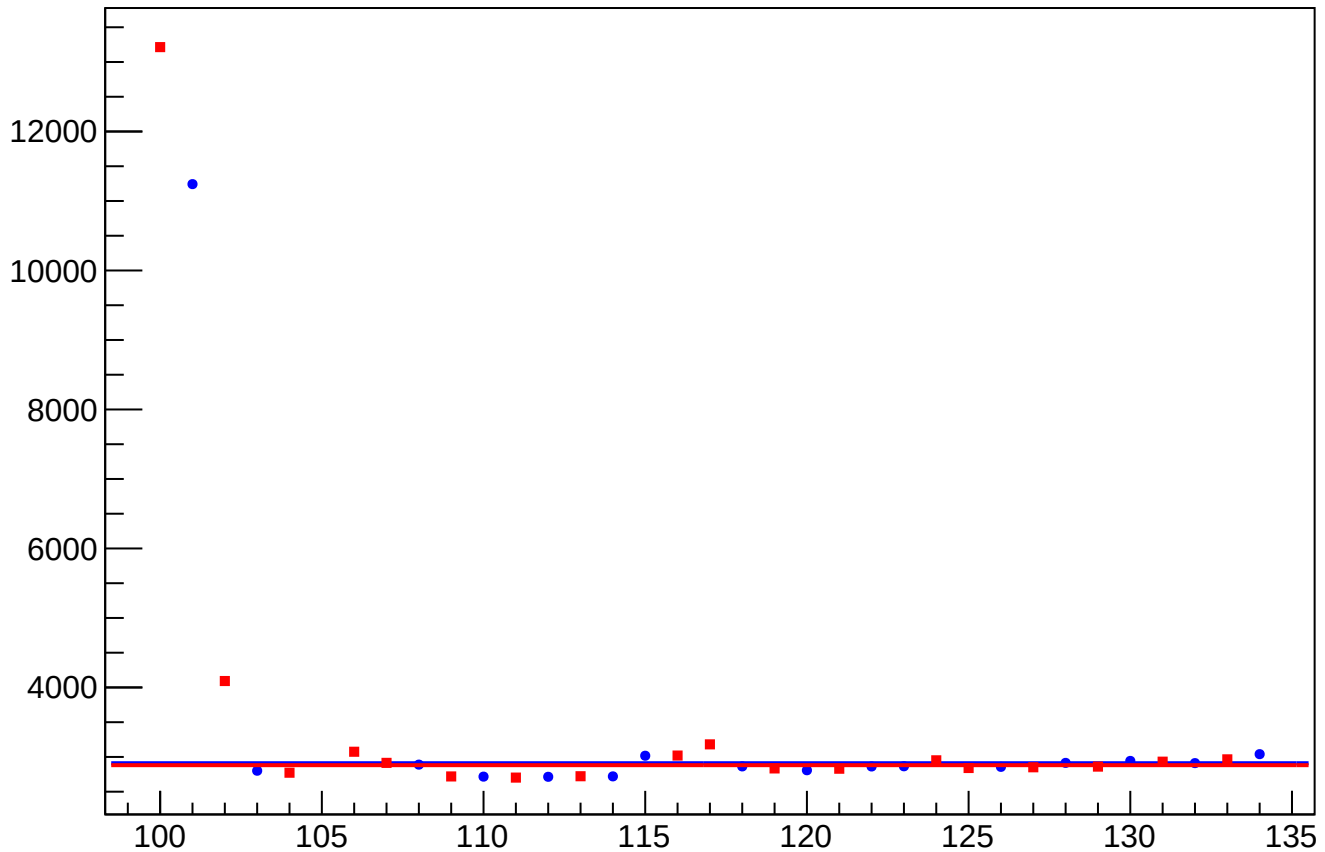
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2283.998 $\pm$ 1234.386  $\chi^2$ /NDF: 14.4/15

2187.738 $\pm$ 844.221  $\chi^2$ /NDF: 22.8/33

2103.145 $\pm$ 1157.168  $\chi^2$ /NDF: 8.4/17

# asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2909.713+/-0.873  $\chi^2/\text{NDF}$ : 659725.6/15

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

Right Out: 2881.650+/-0.818  $\chi^2/\text{NDF}$ : 162959.4/17

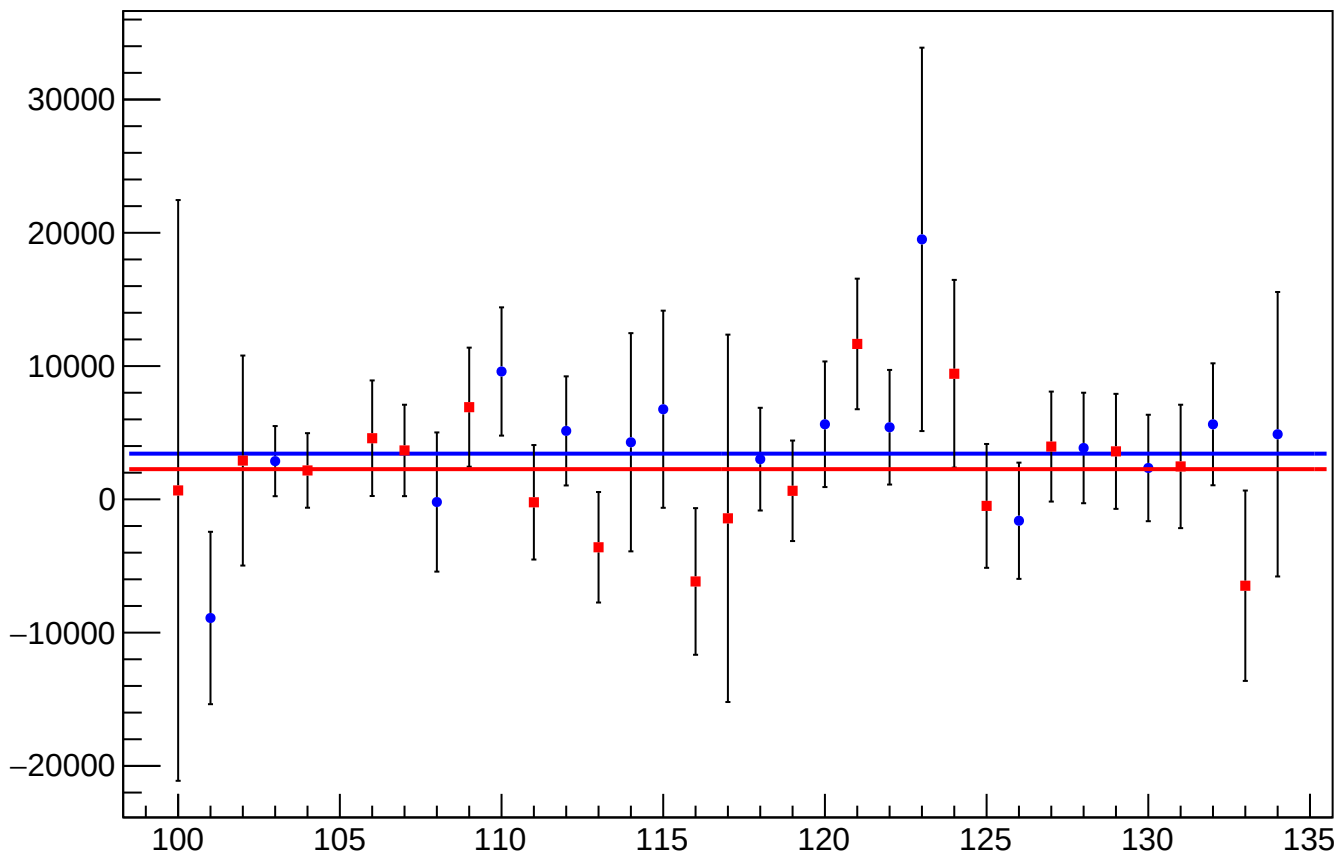
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2909.713+/-0.873  $\chi^2/\text{NDF}$ : 659725.6/15

2894.776+/-0.597  $\chi^2/\text{NDF}$ : 823235.1/33

2881.650+/-0.818  $\chi^2/\text{NDF}$ : 162959.4/17

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



Right In: 3428.839 $\pm$ 1160.637  $\chi^2$ /NDF: 9.6/15

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

Right Out: 2265.828 $\pm$ 1089.644  $\chi^2$ /NDF: 13.3/17

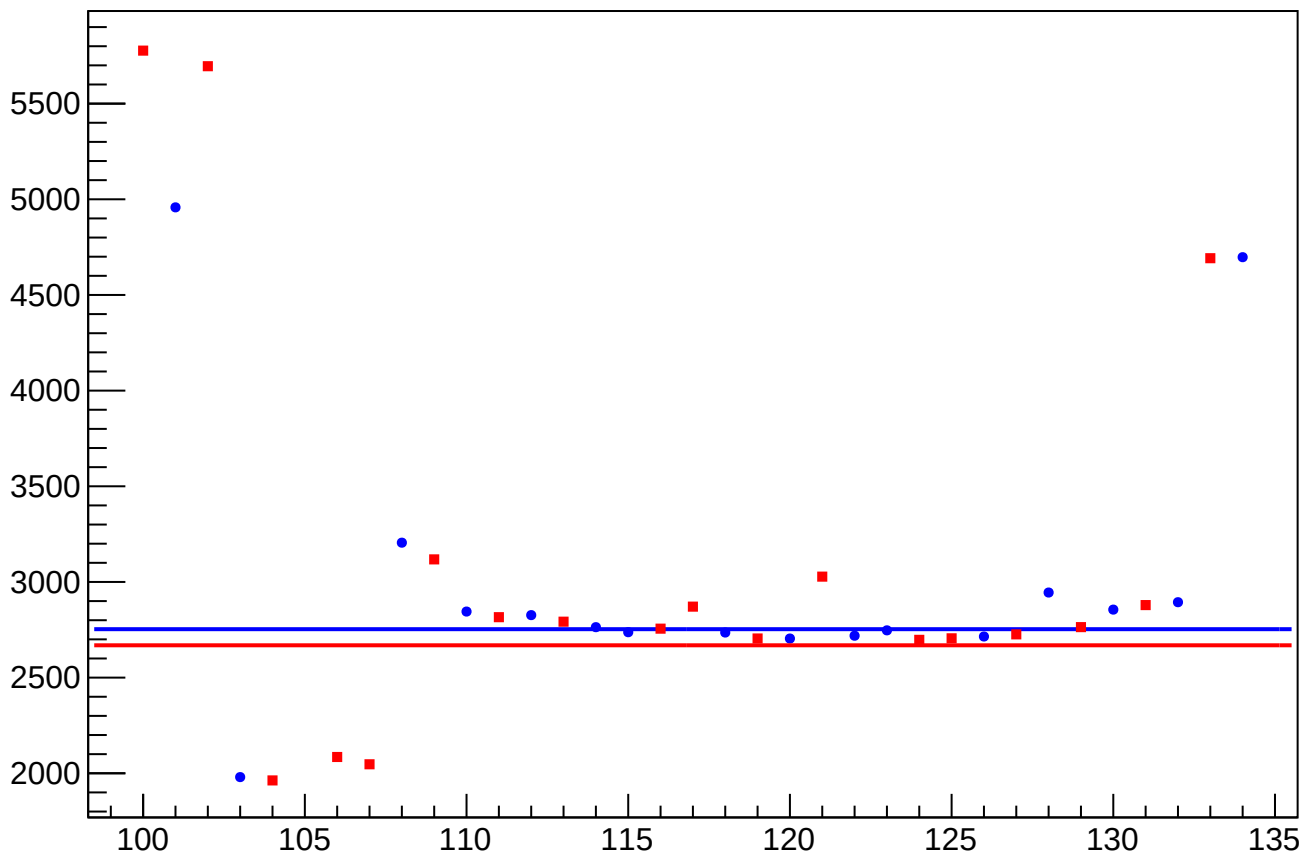
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

3428.839 $\pm$ 1160.637  $\chi^2$ /NDF: 9.6/15

2810.679 $\pm$ 794.407  $\chi^2$ /NDF: 23.4/33

2265.828 $\pm$ 1089.644  $\chi^2$ /NDF: 13.3/17

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



Right In: 2753.171+/-0.821  $\chi^2$ /NDF: 495773.6/15

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

Right Out: 2668.951+/-0.770  $\chi^2$ /NDF: 768036.2/17

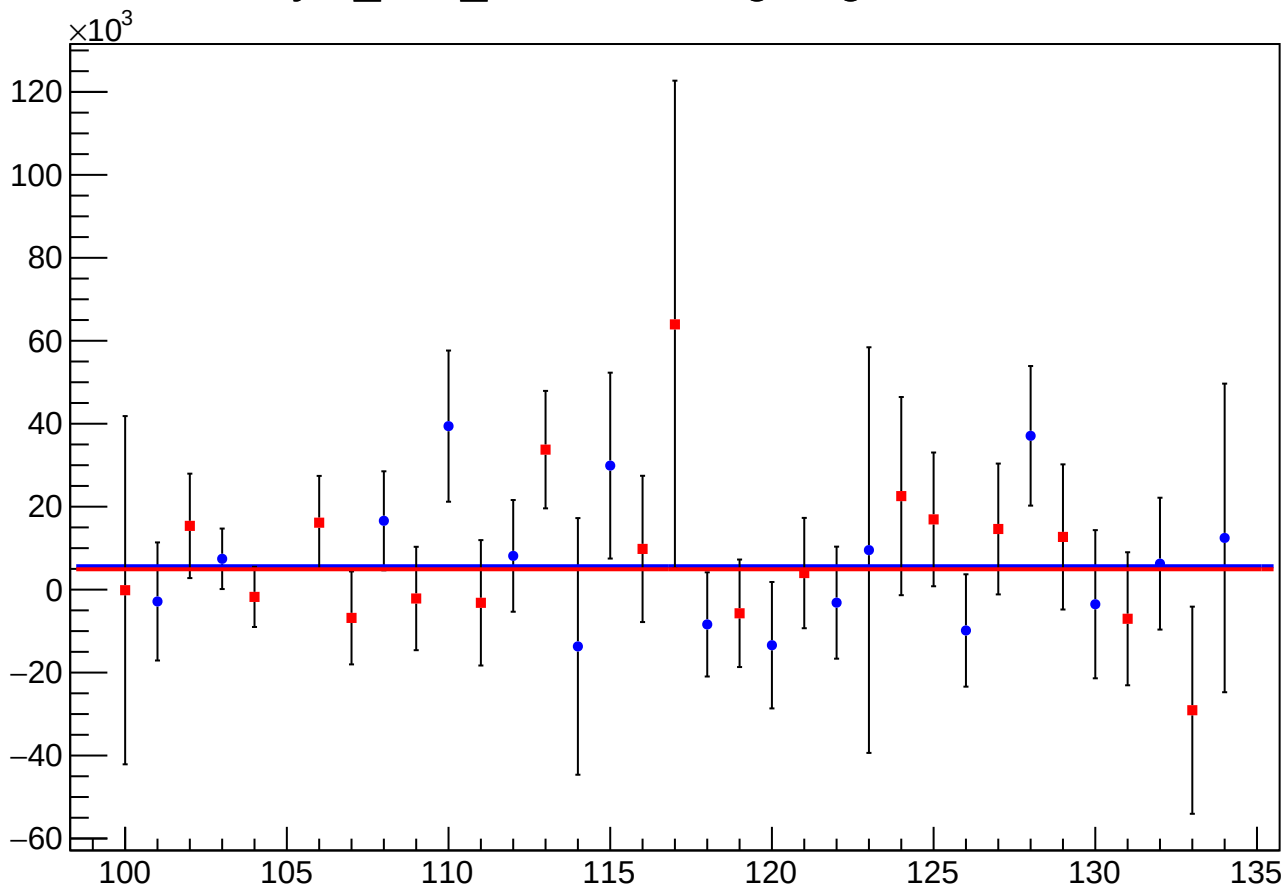
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

2753.171+/-0.821  $\chi^2$ /NDF: 495773.6/15

2708.392+/-0.562  $\chi^2$ /NDF: 1269409.2/33

2668.951+/-0.770  $\chi^2$ /NDF: 768036.2/17

# asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 5643.026 $\pm$ 3635.392  $\chi^2$ /NDF: 14.6/15

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

Right Out: 4907.019 $\pm$ 3315.025  $\chi^2$ /NDF: 14.2/17

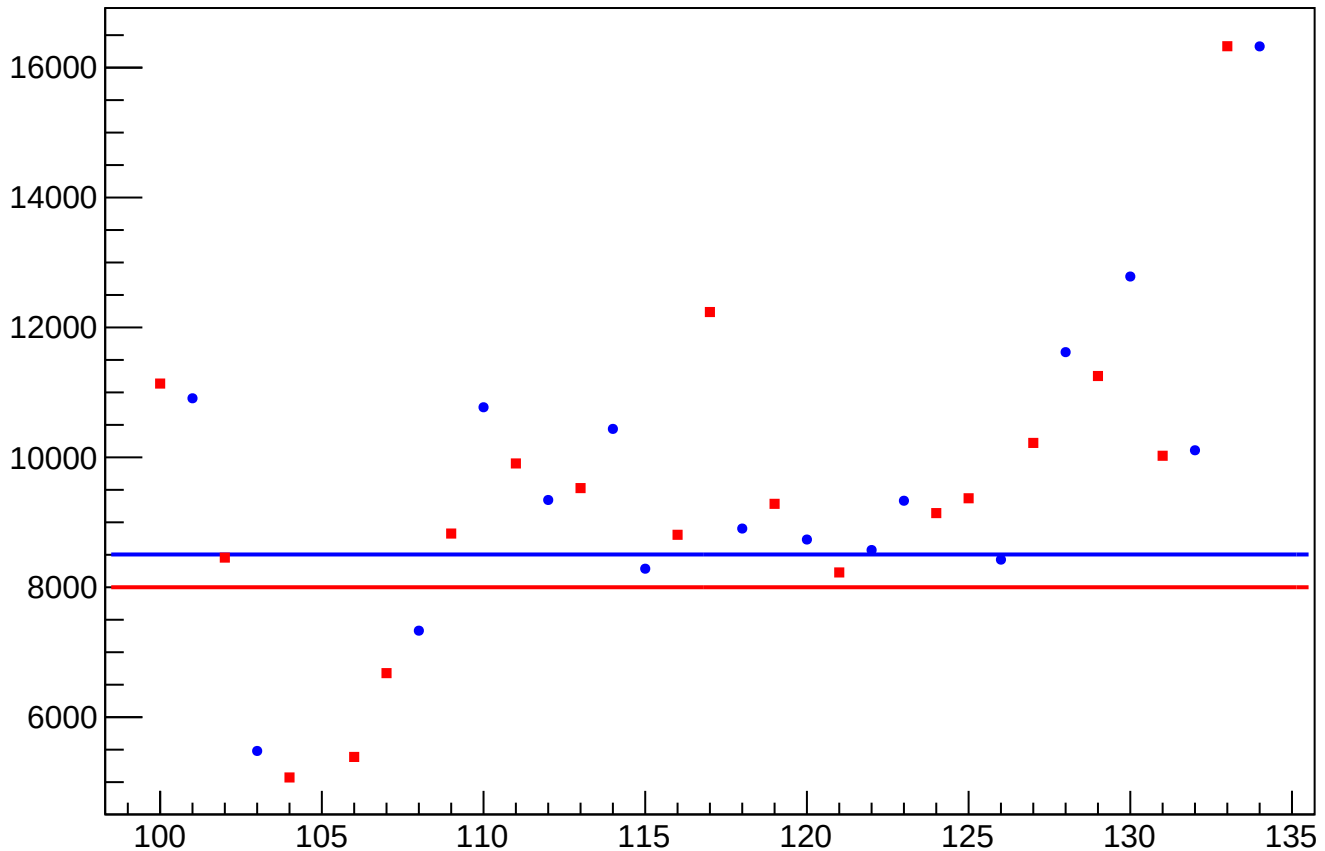
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

5643.026 $\pm$ 3635.392  $\chi^2$ /NDF: 14.6/15

5241.169 $\pm$ 2449.522  $\chi^2$ /NDF: 28.9/33

4907.019 $\pm$ 3315.025  $\chi^2$ /NDF: 14.2/17

# asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 8504.880+/-2.571  $\chi^2/\text{NDF}$ : 762525.9/15

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

Right Out: 8000.318+/-2.344  $\chi^2/\text{NDF}$ : 955845.1/17

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

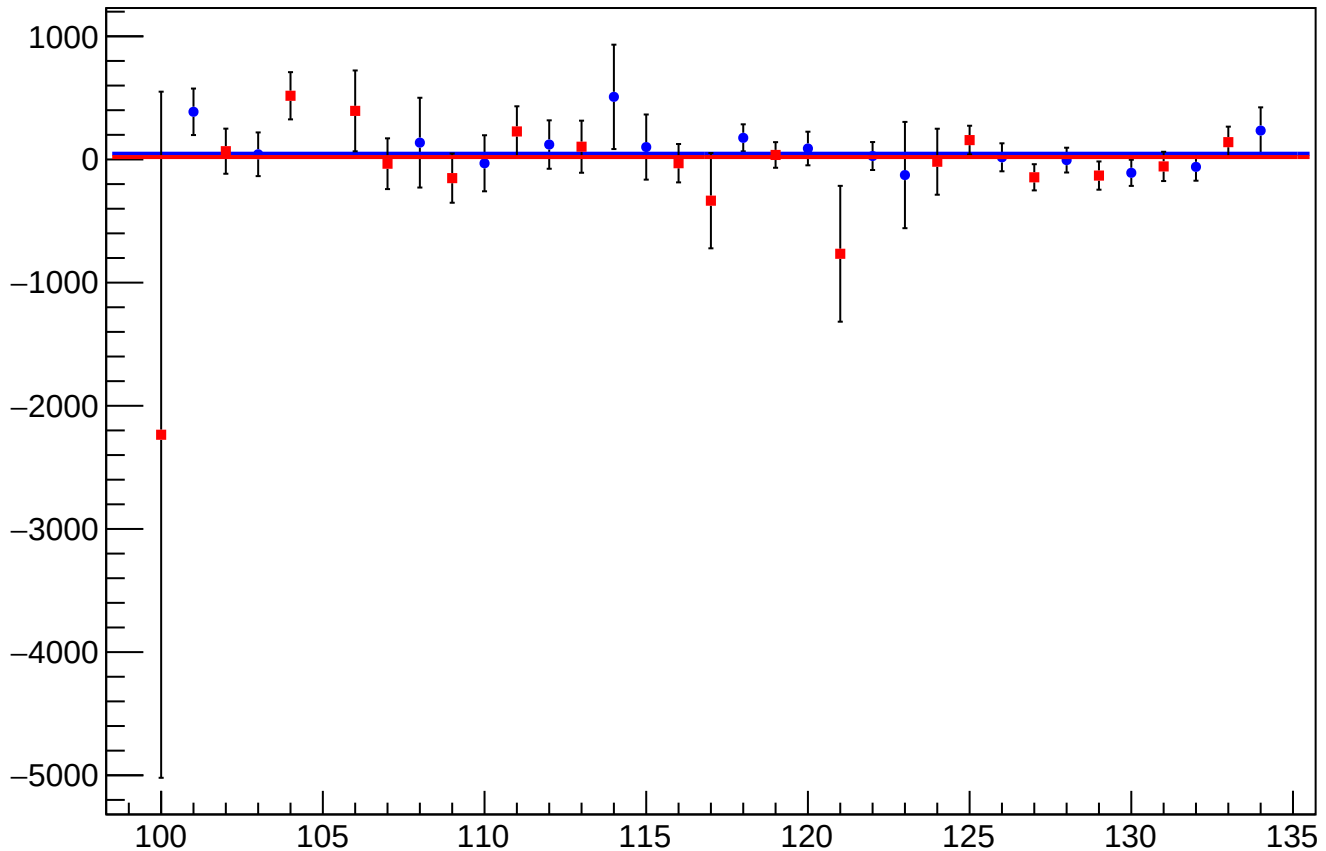
8504.880+/-2.571  $\chi^2/\text{NDF}$ : 762525.9/15

8229.382+/-1.732  $\chi^2/\text{NDF}$ : 1739406.9/33

8000.318+/-2.344  $\chi^2/\text{NDF}$ : 955845.1/17



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



Right In: 46.857+/-37.160  $\chi^2/\text{NDF}$ : 10.8/15

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

Right Out: 19.416+/-38.043  $\chi^2/\text{NDF}$ : 20.6/17

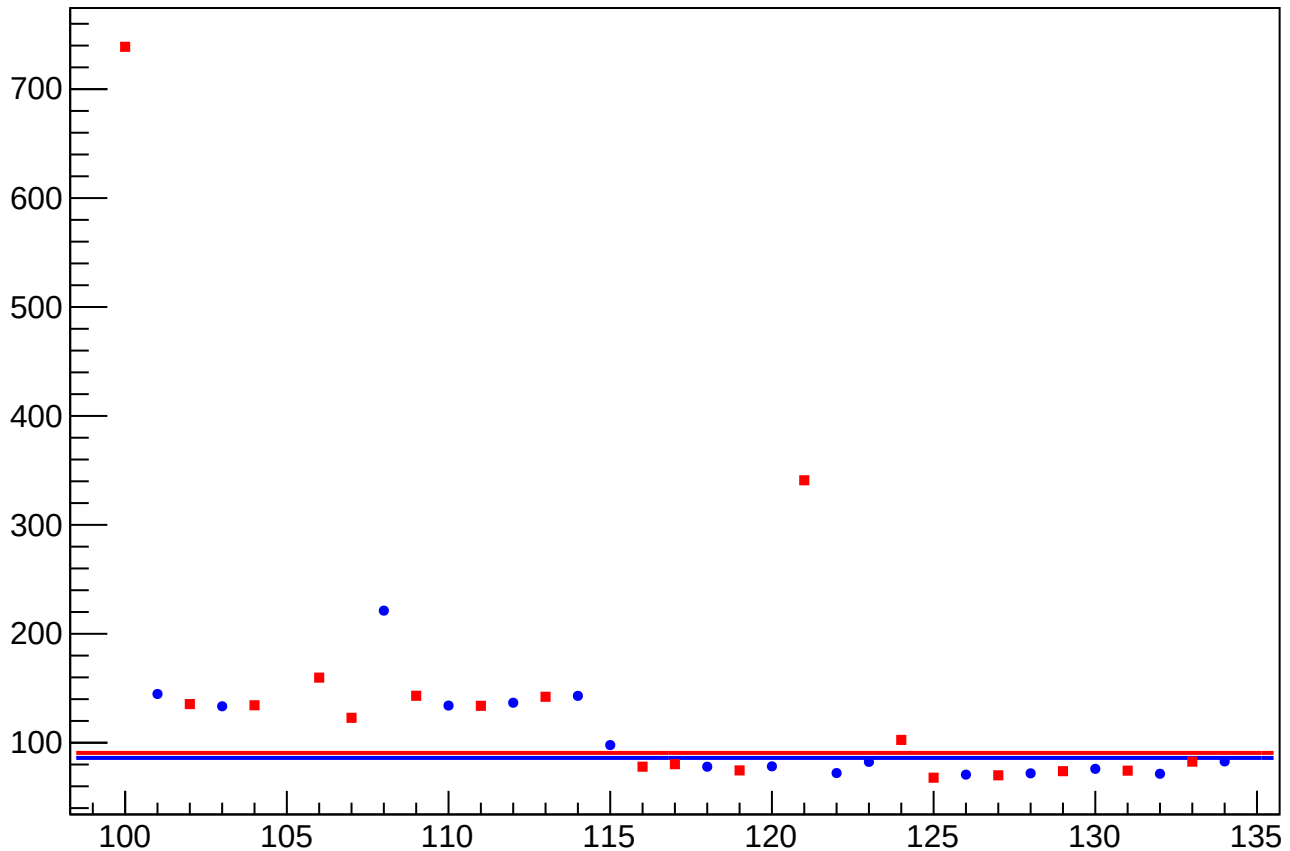
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

46.857+/-37.160  $\chi^2/\text{NDF}$ : 10.8/15

33.458+/-26.583  $\chi^2/\text{NDF}$ : 31.7/33

19.416+/-38.043  $\chi^2/\text{NDF}$ : 20.6/17

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



Right In: 86.059+/-0.026  $\chi^2/\text{NDF}$ : 1048748.2/15

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

Right Out: 90.658+/-0.027  $\chi^2/\text{NDF}$ : 1533621.2/17

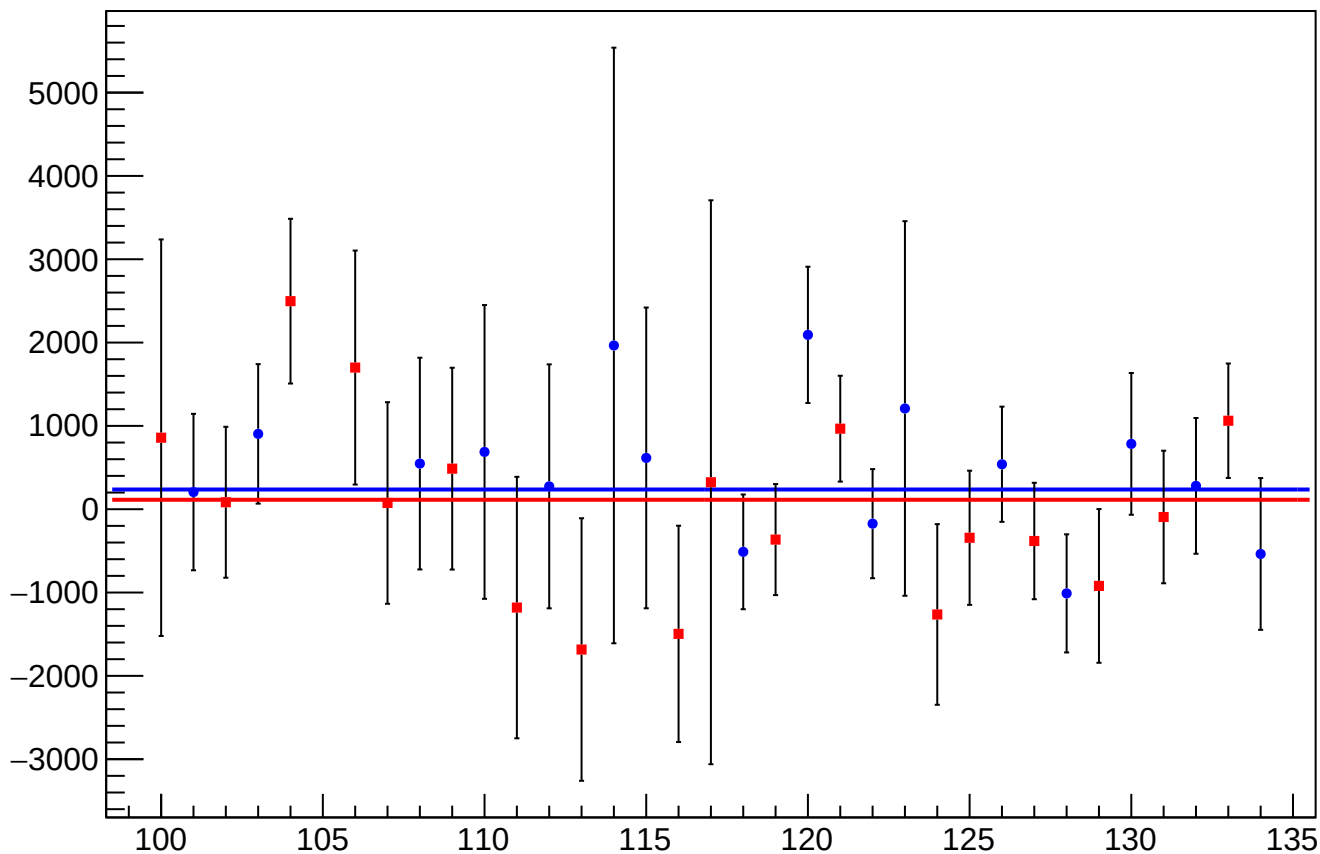
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

86.059+/-0.026  $\chi^2/\text{NDF}$ : 1048748.2/15

88.304+/-0.019  $\chi^2/\text{NDF}$ : 2597325.2/33

90.658+/-0.027  $\chi^2/\text{NDF}$ : 1533621.2/17

# asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 236.600 $\pm$ 231.451  $\chi^2$ /NDF: 12.4/15

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

Right Out: 113.330 $\pm$ 224.561  $\chi^2$ /NDF: 18.8/17

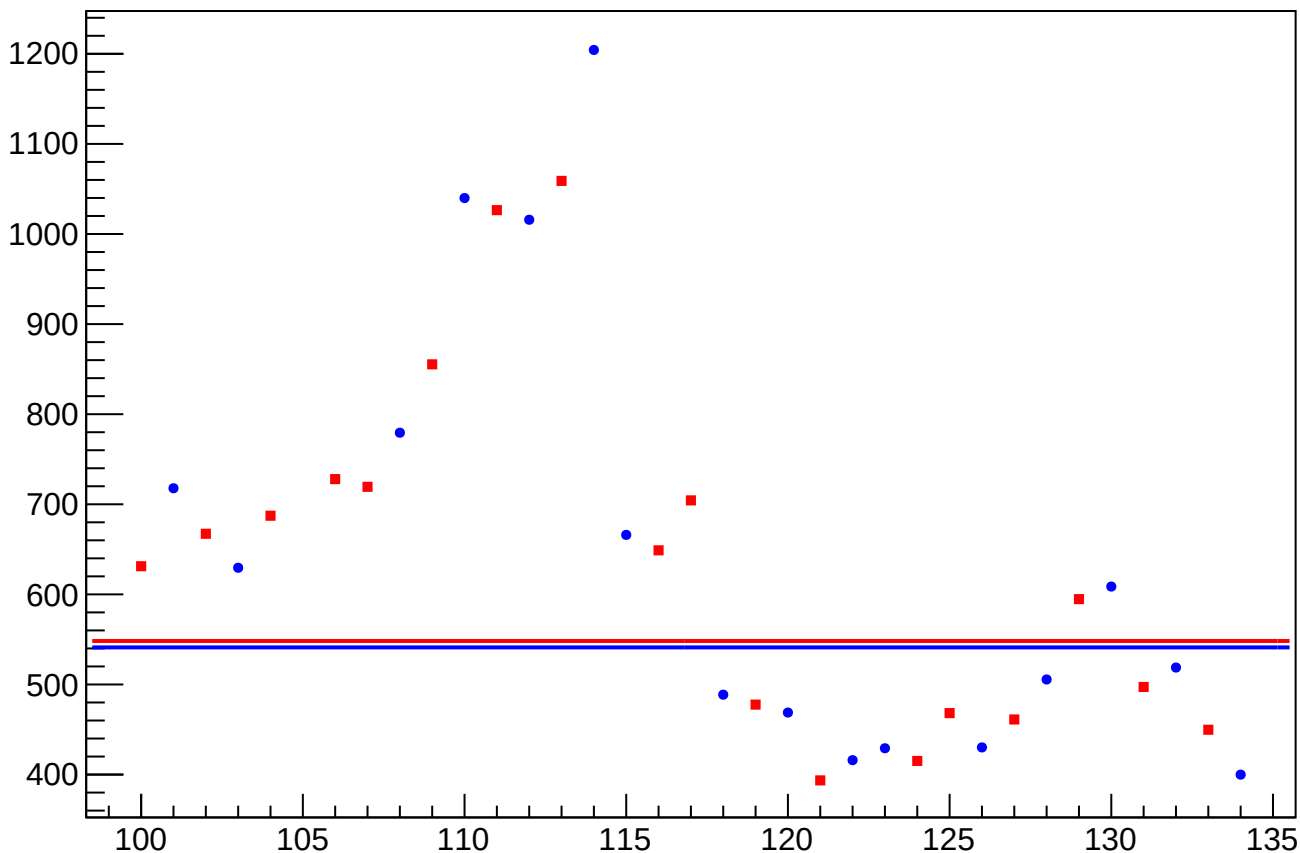
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

236.600 $\pm$ 231.451  $\chi^2$ /NDF: 12.4/15

173.102 $\pm$ 161.170  $\chi^2$ /NDF: 31.3/33

113.330 $\pm$ 224.561  $\chi^2$ /NDF: 18.8/17

# asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 541.142+/-0.164  $\chi^2/\text{NDF}$ : 836401.6/15

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

Right Out: 548.274+/-0.159  $\chi^2/\text{NDF}$ : 966756.6/17

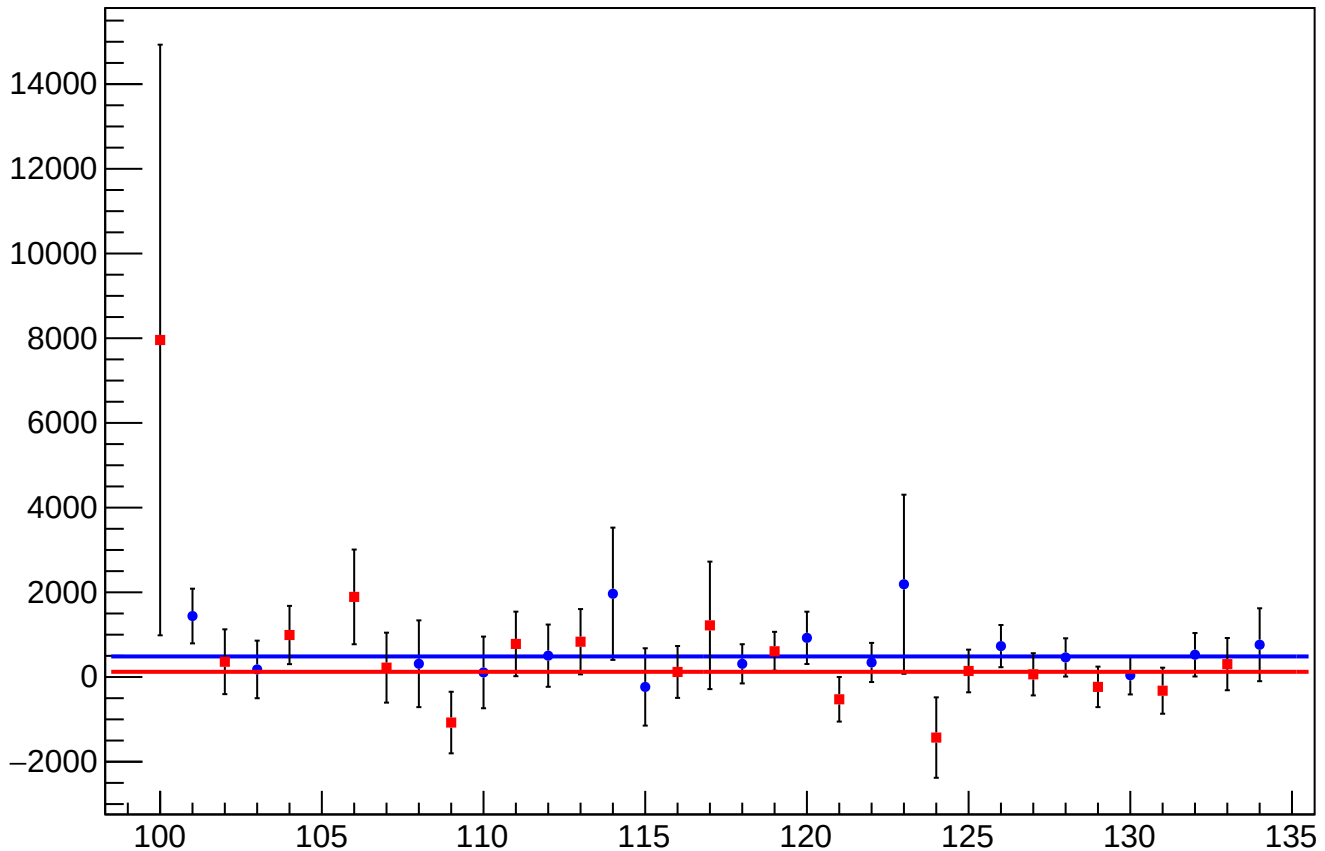
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

541.142+/-0.164  $\chi^2/\text{NDF}$ : 836401.6/15

544.816+/-0.114  $\chi^2/\text{NDF}$ : 1804136.4/33

548.274+/-0.159  $\chi^2/\text{NDF}$ : 966756.6/17

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



Right In: 485.891+/-155.234  $\chi^2/\text{NDF}$ : 6.8/15

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

Right Out: 122.888+/-153.716  $\chi^2/\text{NDF}$ : 17.0/17

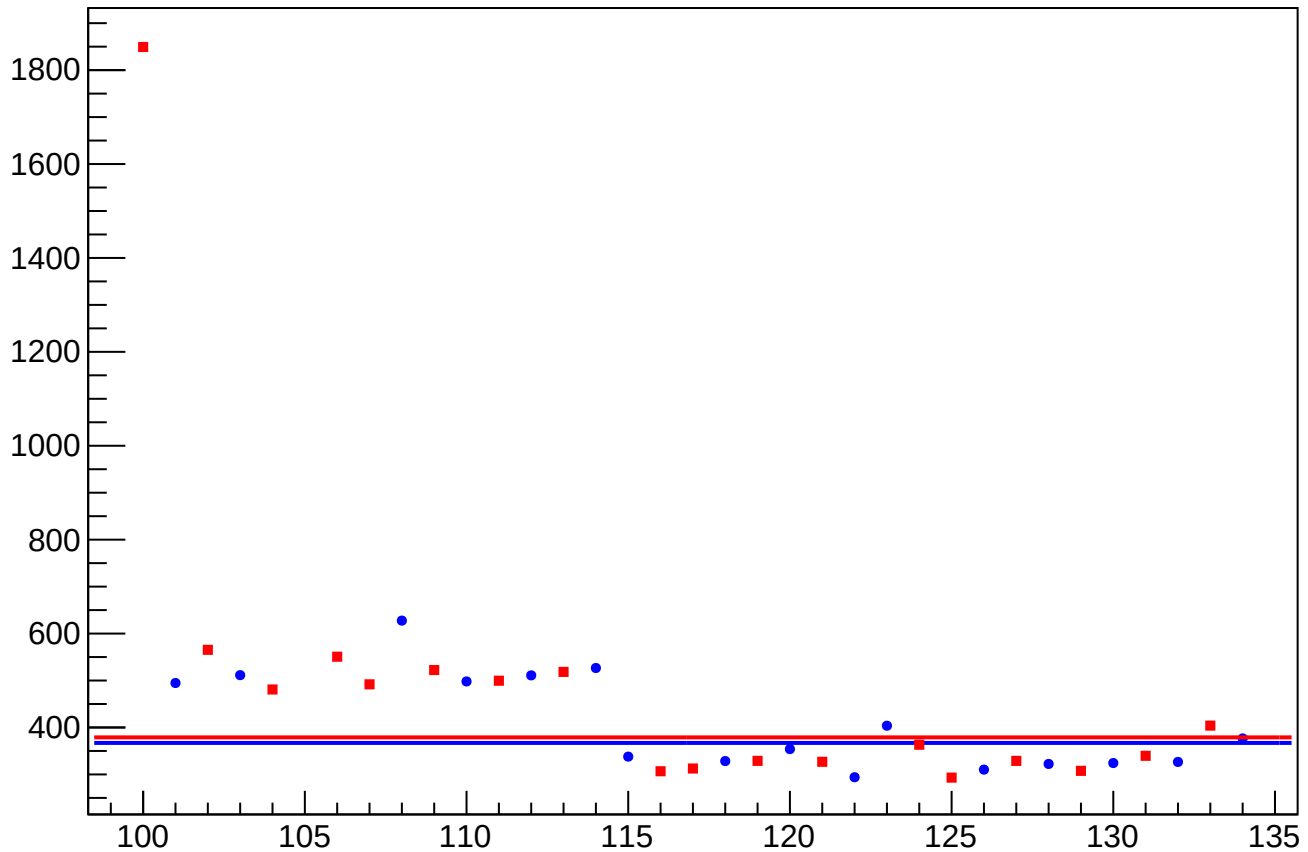
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

485.891+/-155.234  $\chi^2/\text{NDF}$ : 6.8/15

302.605+/-109.226  $\chi^2/\text{NDF}$ : 26.5/33

122.888+/-153.716  $\chi^2/\text{NDF}$ : 17.0/17

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



Right In: 367.130+/-0.110  $\chi^2/\text{NDF}$ : 586622.6/15

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

Right Out: 378.914+/-0.109  $\chi^2/\text{NDF}$ : 741436.6/17

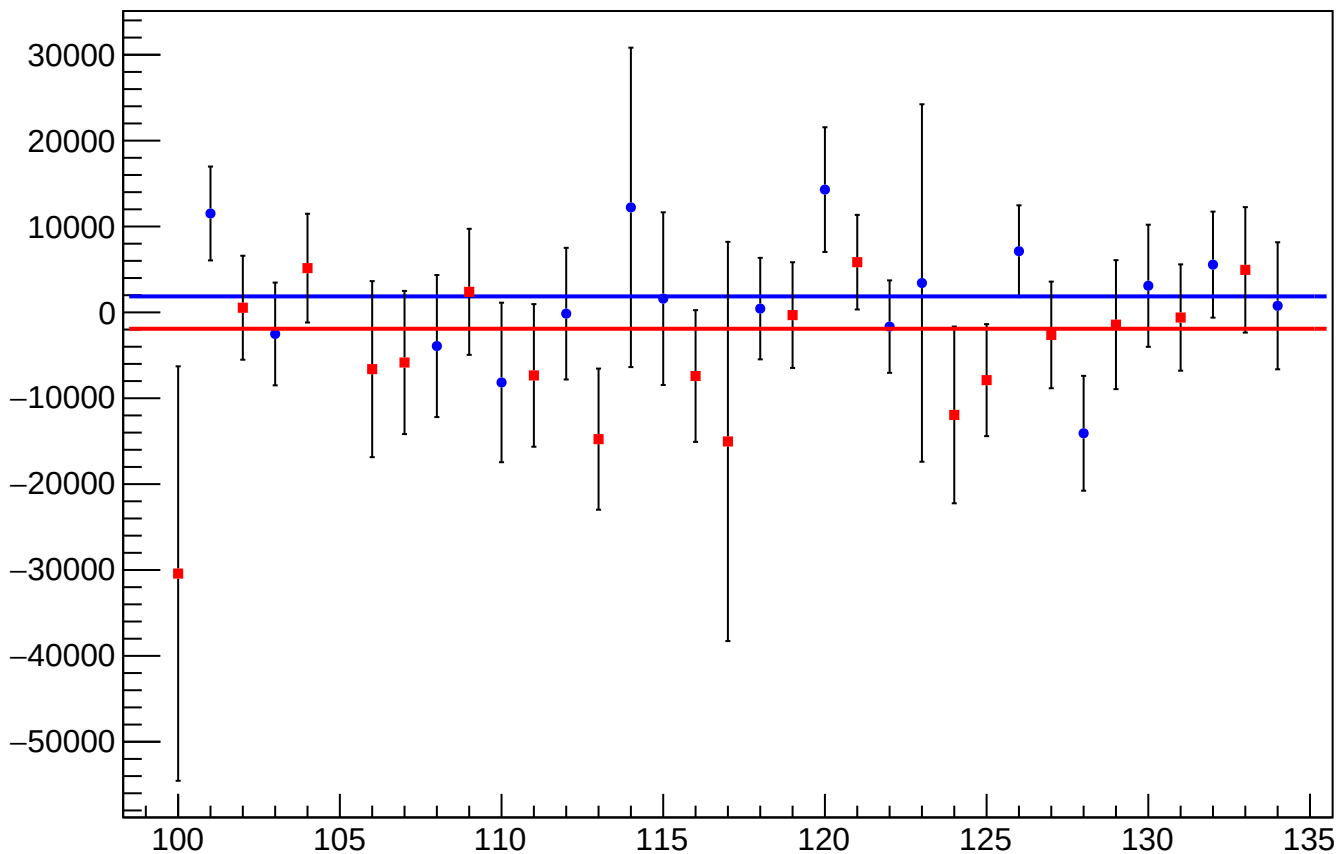
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

367.130+/-0.110  $\chi^2/\text{NDF}$ : 586622.6/15

373.079+/-0.077  $\chi^2/\text{NDF}$ : 1333878.4/33

378.914+/-0.109  $\chi^2/\text{NDF}$ : 741436.6/17

# asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 1862.337 $\pm$ 1758.269  $\chi^2$ /NDF: 16.2/15

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

Right Out: -1907.104 $\pm$ 1753.142  $\chi^2$ /NDF: 12.1/17

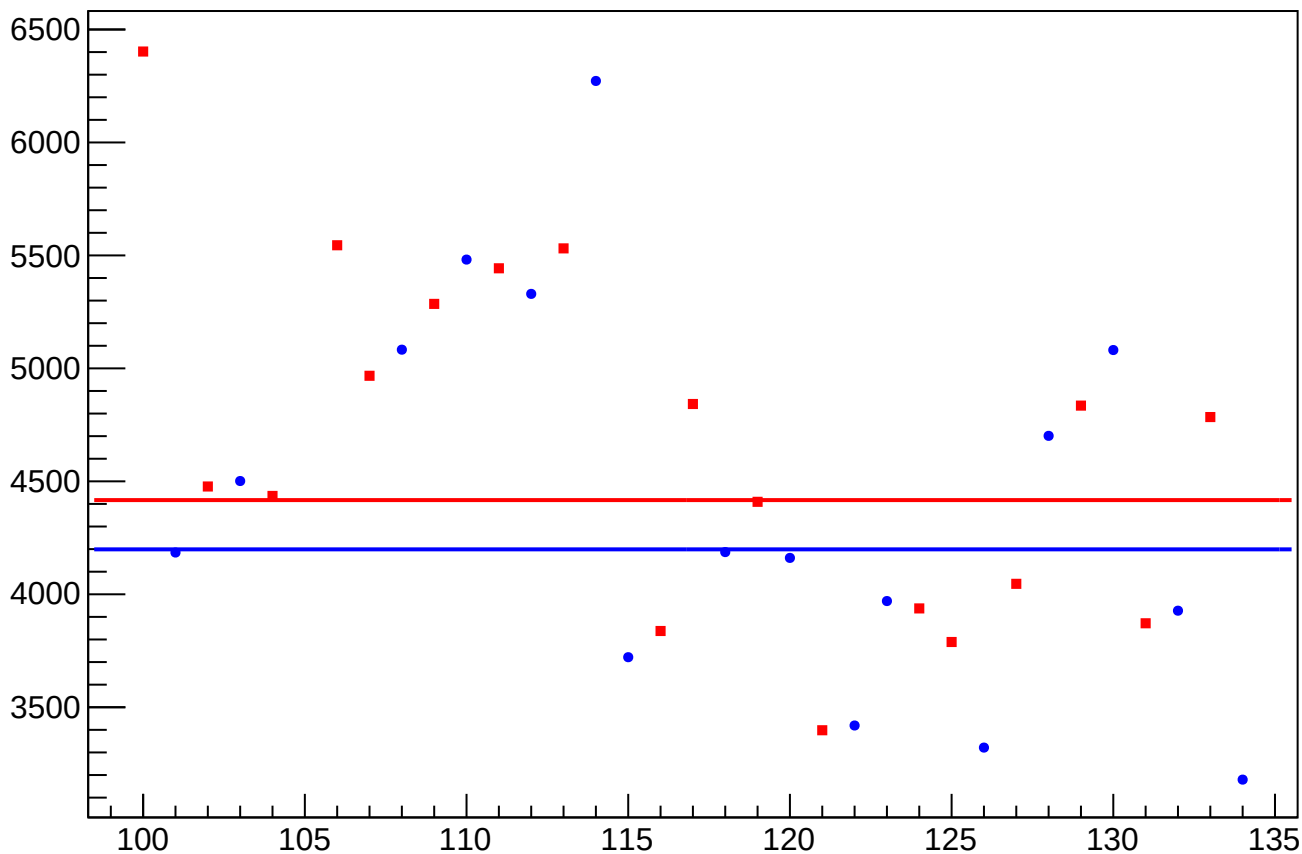
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1862.337 $\pm$ 1758.269  $\chi^2$ /NDF: 16.2/15

-27.887 $\pm$ 1241.467  $\chi^2$ /NDF: 30.6/33

-1907.104 $\pm$ 1753.142  $\chi^2$ /NDF: 12.1/17

# asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 4198.917 $\pm$ 1.243  $\chi^2$ /NDF: 319064.2/15

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

Right Out: 4416.951 $\pm$ 1.240  $\chi^2$ /NDF: 279293.2/17

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

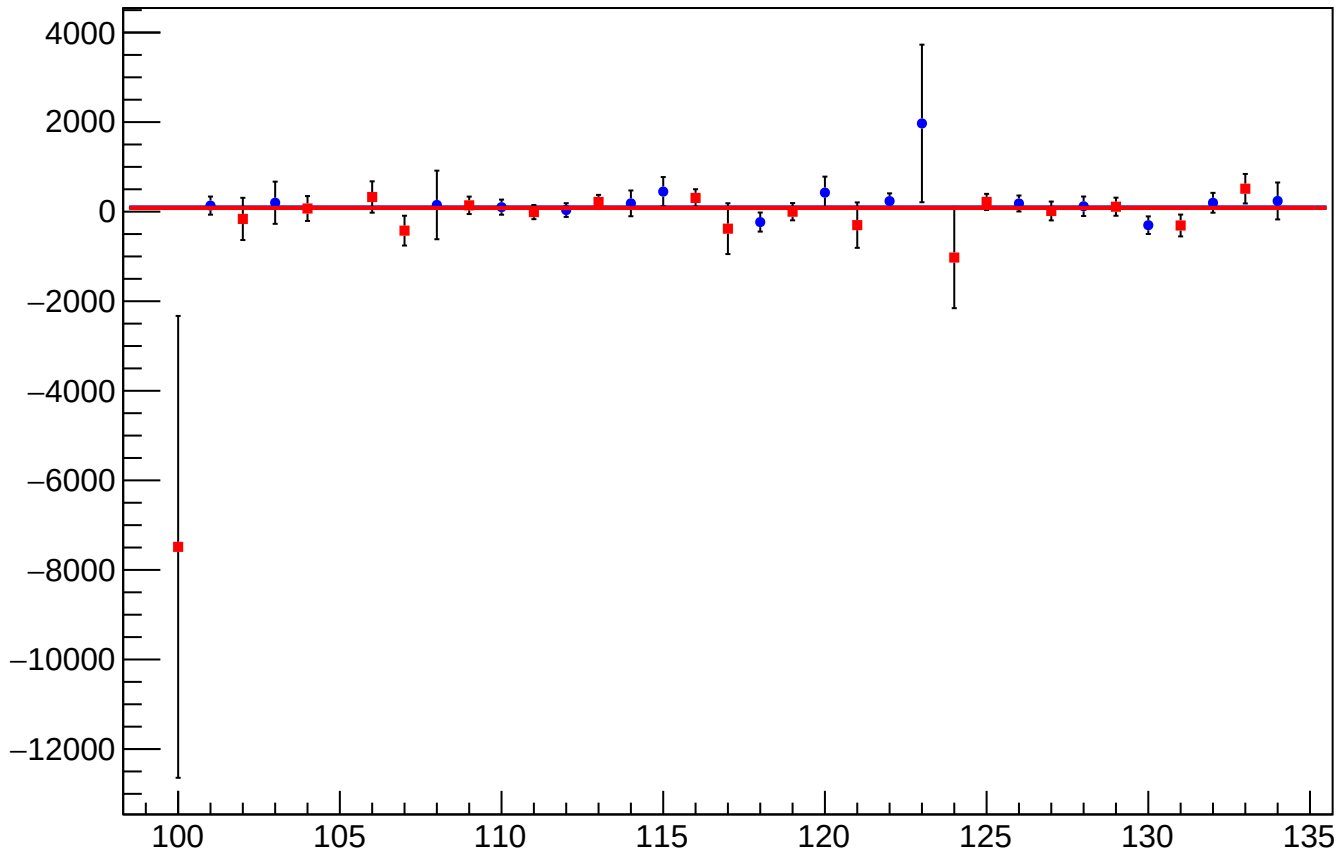
4198.917 $\pm$ 1.243  $\chi^2$ /NDF: 319064.2/15

4308.252 $\pm$ 0.878  $\chi^2$ /NDF: 613779.6/33

4416.951 $\pm$ 1.240  $\chi^2$ /NDF: 279293.2/17



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



Right In: 96.075+/-57.872  $\chi^2/\text{NDF}$ : 11.2/15

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

Right Out: 81.564+/-57.138  $\chi^2/\text{NDF}$ : 15.1/17

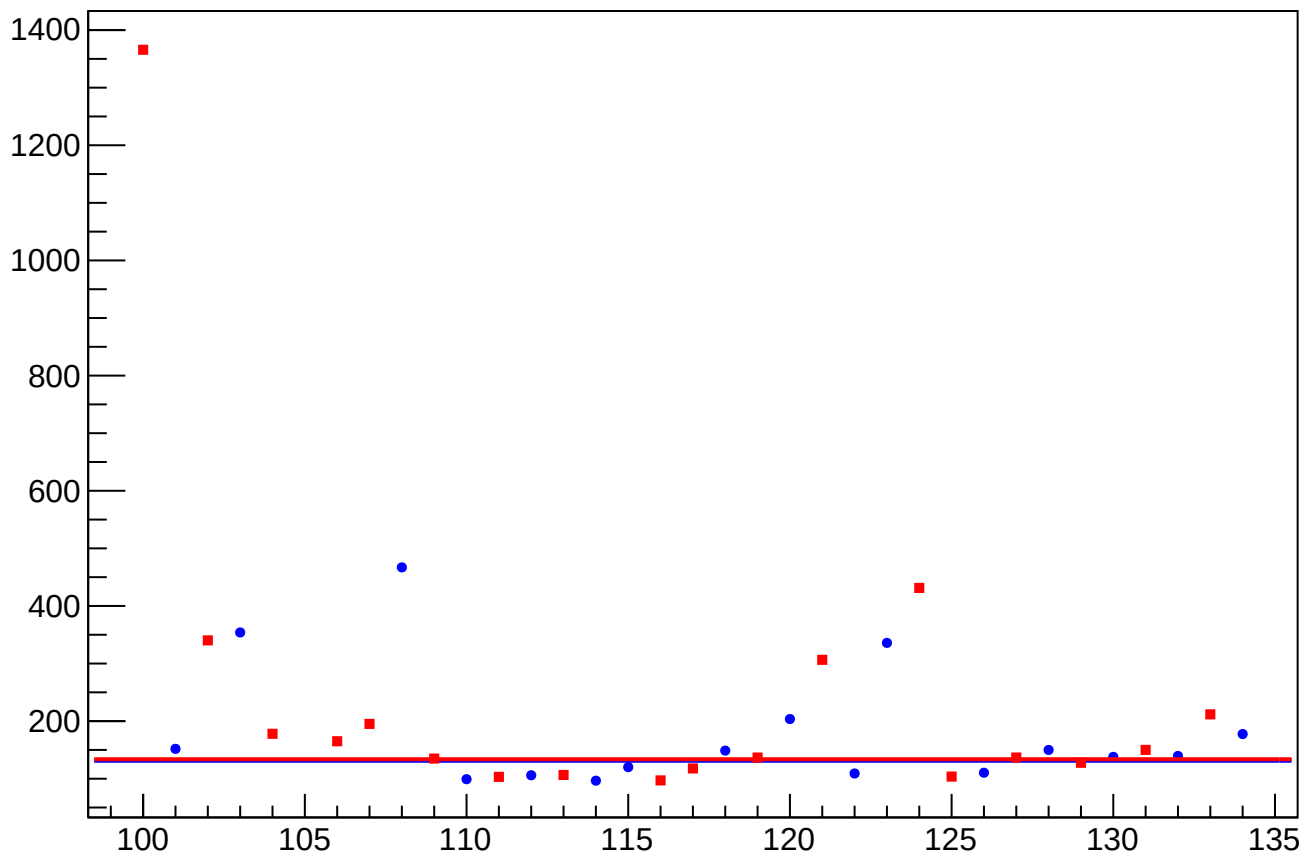
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

96.075+/-57.872  $\chi^2/\text{NDF}$ : 11.2/15

88.727+/-40.660  $\chi^2/\text{NDF}$ : 26.3/33

81.564+/-57.138  $\chi^2/\text{NDF}$ : 15.1/17

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



Right In: 131.184+/-0.041  $\chi^2/\text{NDF}$ : 1238884.5/15

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

Right Out: 133.858+/-0.040  $\chi^2/\text{NDF}$ : 1389953.9/17

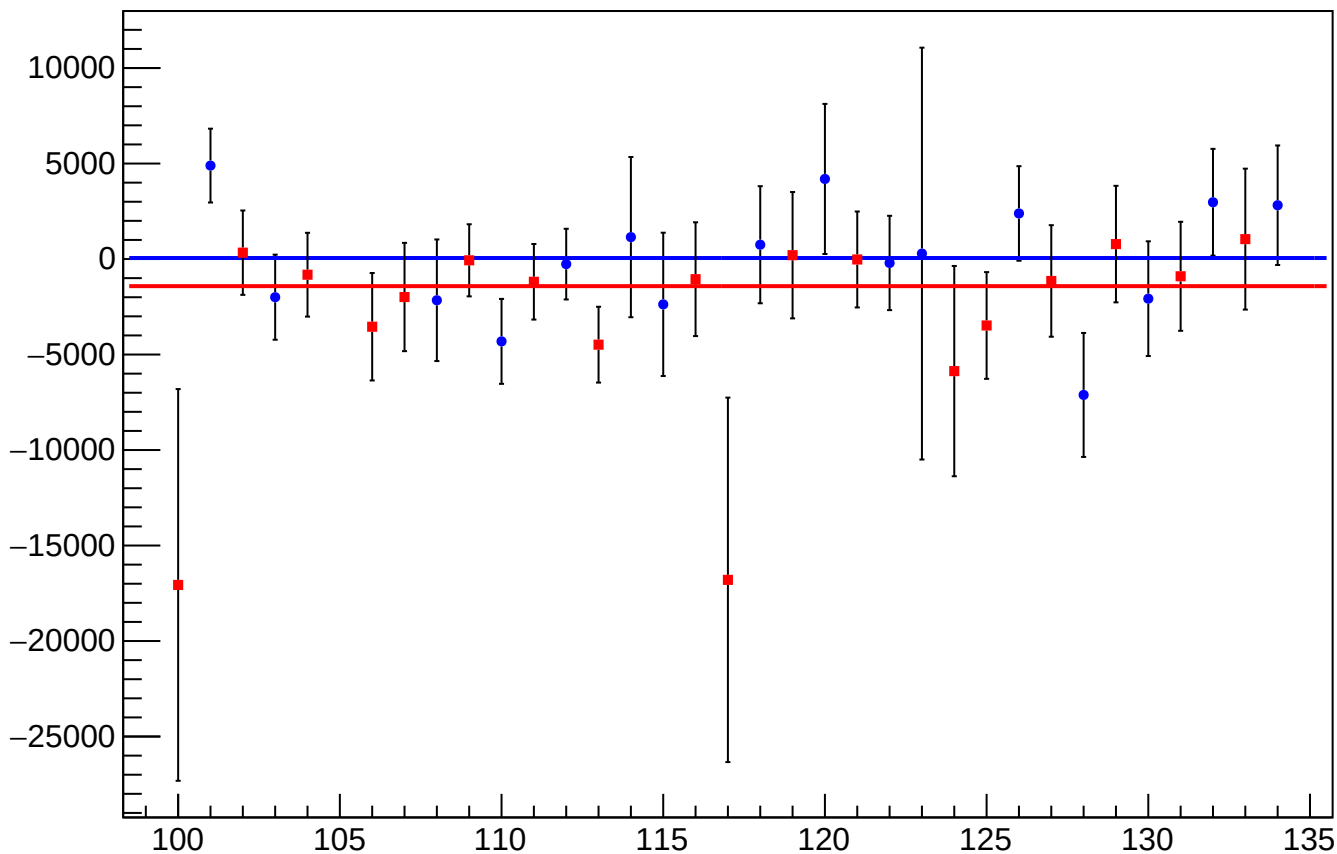
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

131.184+/-0.041  $\chi^2/\text{NDF}$ : 1238884.5/15

132.538+/-0.029  $\chi^2/\text{NDF}$ : 2631000.4/33

133.858+/-0.040  $\chi^2/\text{NDF}$ : 1389953.9/17

# asym\_sam3\_mean vs Slug, Sign Corrected



Right In: 53.875+/-684.729  $\chi^2/\text{NDF}$ : 21.3/15

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

Right Out: -1419.203+/-642.977  $\chi^2/\text{NDF}$ : 11.9/17

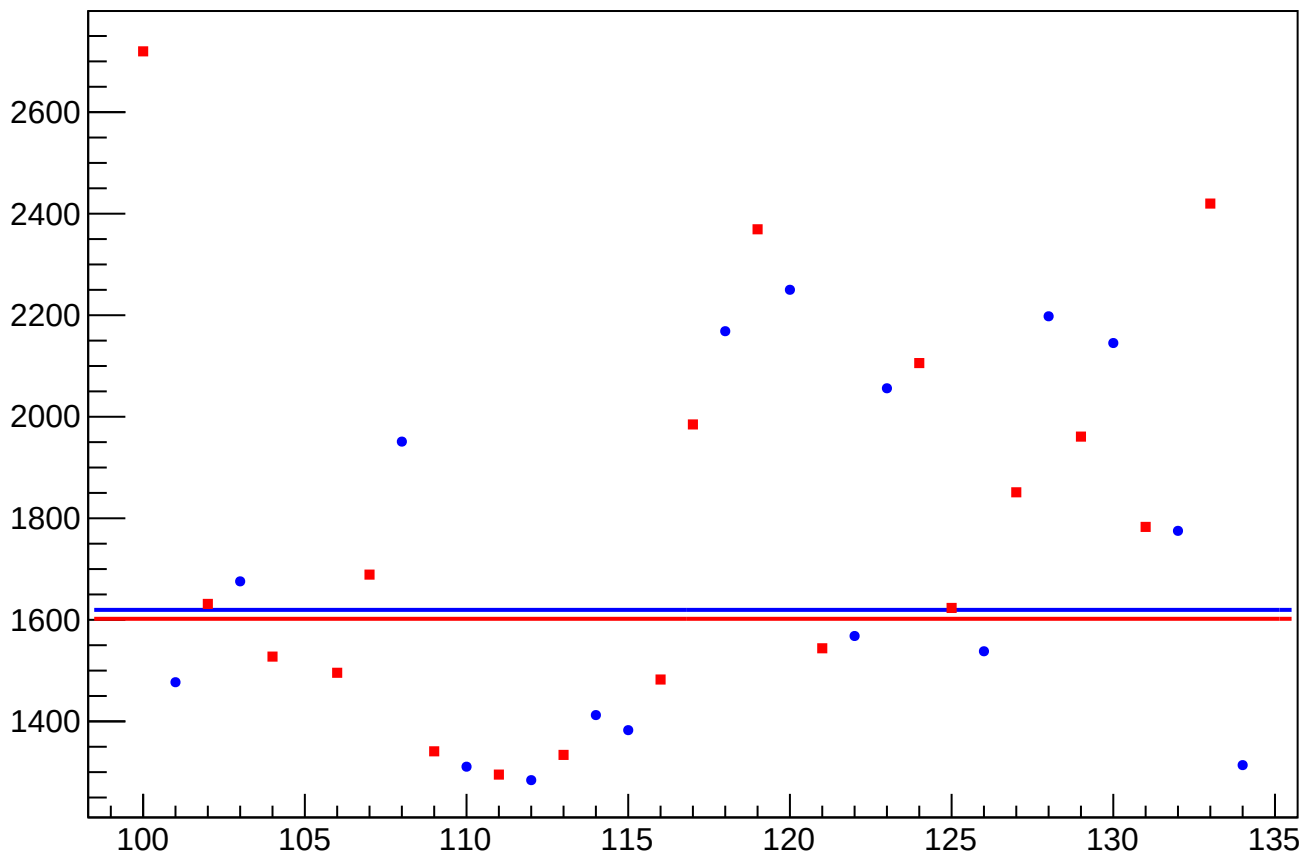
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

53.875+/-684.729  $\chi^2/\text{NDF}$ : 21.3/15

-728.942+/-468.719  $\chi^2/\text{NDF}$ : 35.7/33

-1419.203+/-642.977  $\chi^2/\text{NDF}$ : 11.9/17

# asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 1619.618 $\pm$ 0.484  $\chi^2$ /NDF: 422902.0/15

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

Right Out: 1602.028 $\pm$ 0.455  $\chi^2$ /NDF: 434573.8/17

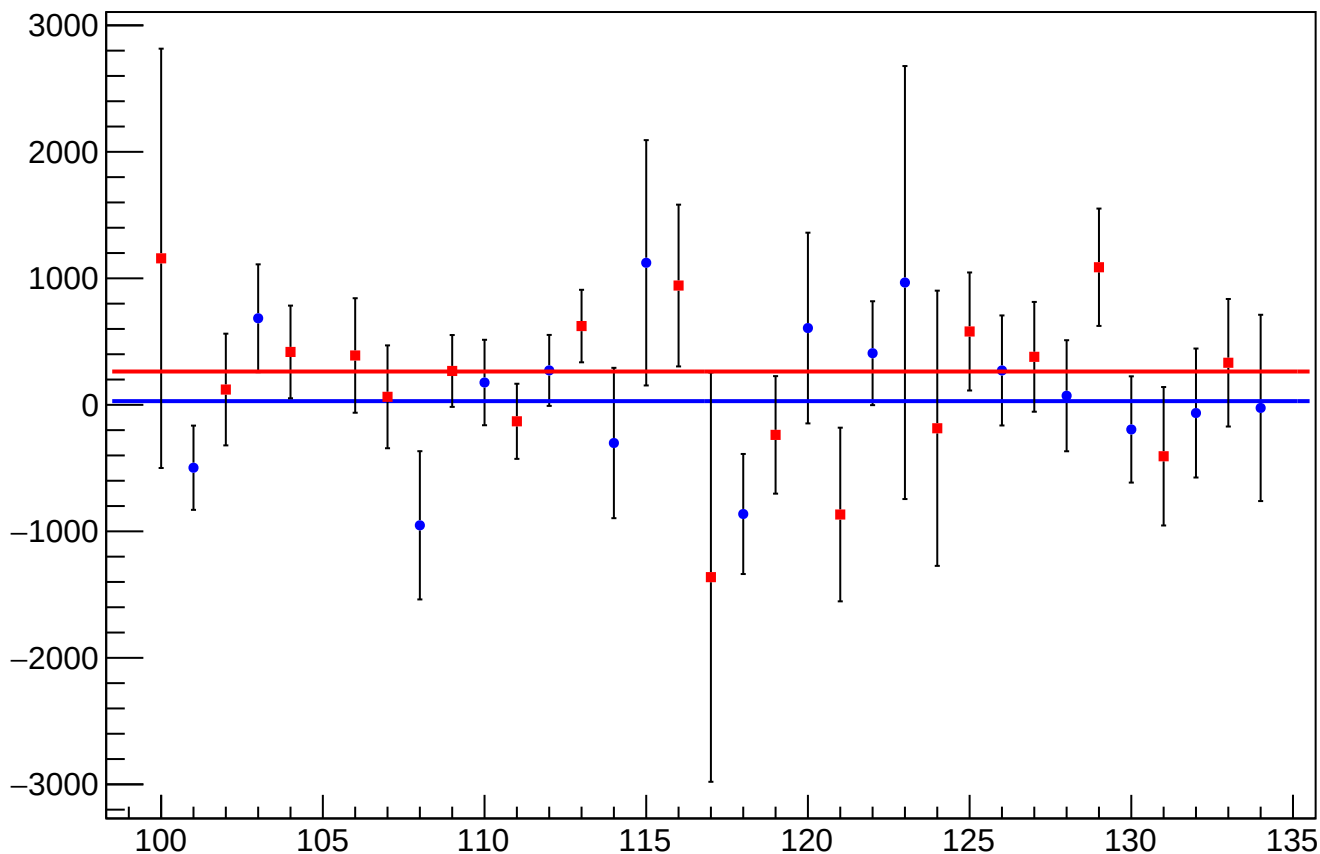
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1619.618 $\pm$ 0.484  $\chi^2$ /NDF: 422902.0/15

1610.270 $\pm$ 0.331  $\chi^2$ /NDF: 858177.2/33

1602.028 $\pm$ 0.455  $\chi^2$ /NDF: 434573.8/17

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



Right In: 29.320+/-113.873  $\chi^2/\text{NDF}$ : 16.1/15

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

Right Out: 263.456+/-104.230  $\chi^2/\text{NDF}$ : 15.6/17

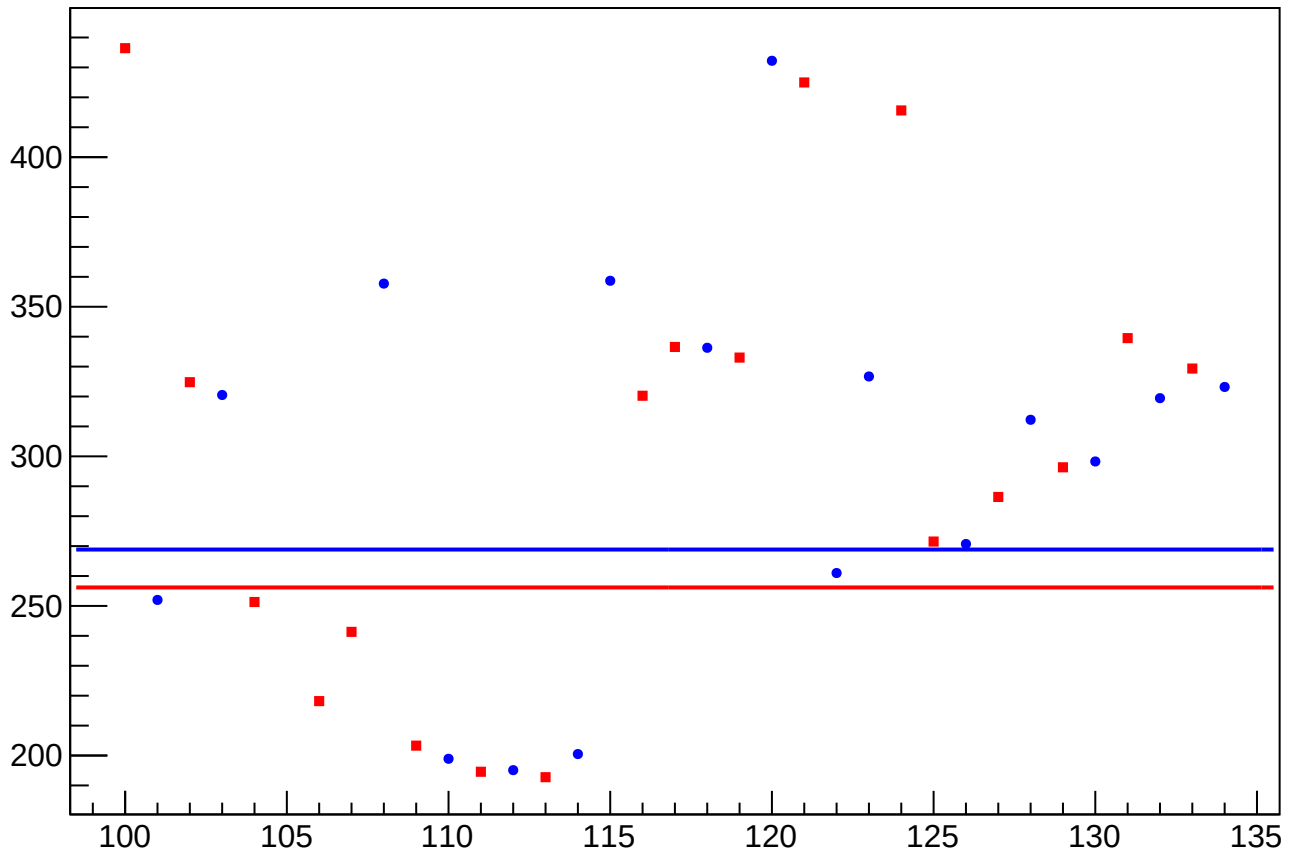
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

29.320+/-113.873  $\chi^2/\text{NDF}$ : 16.1/15

156.720+/-76.885  $\chi^2/\text{NDF}$ : 34.0/33

263.456+/-104.230  $\chi^2/\text{NDF}$ : 15.6/17

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



Right In: 268.851+/-0.081  $\chi^2/\text{NDF}$ : 545455.6/15

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

Right Out: 256.181+/-0.074  $\chi^2/\text{NDF}$ : 701458.8/17

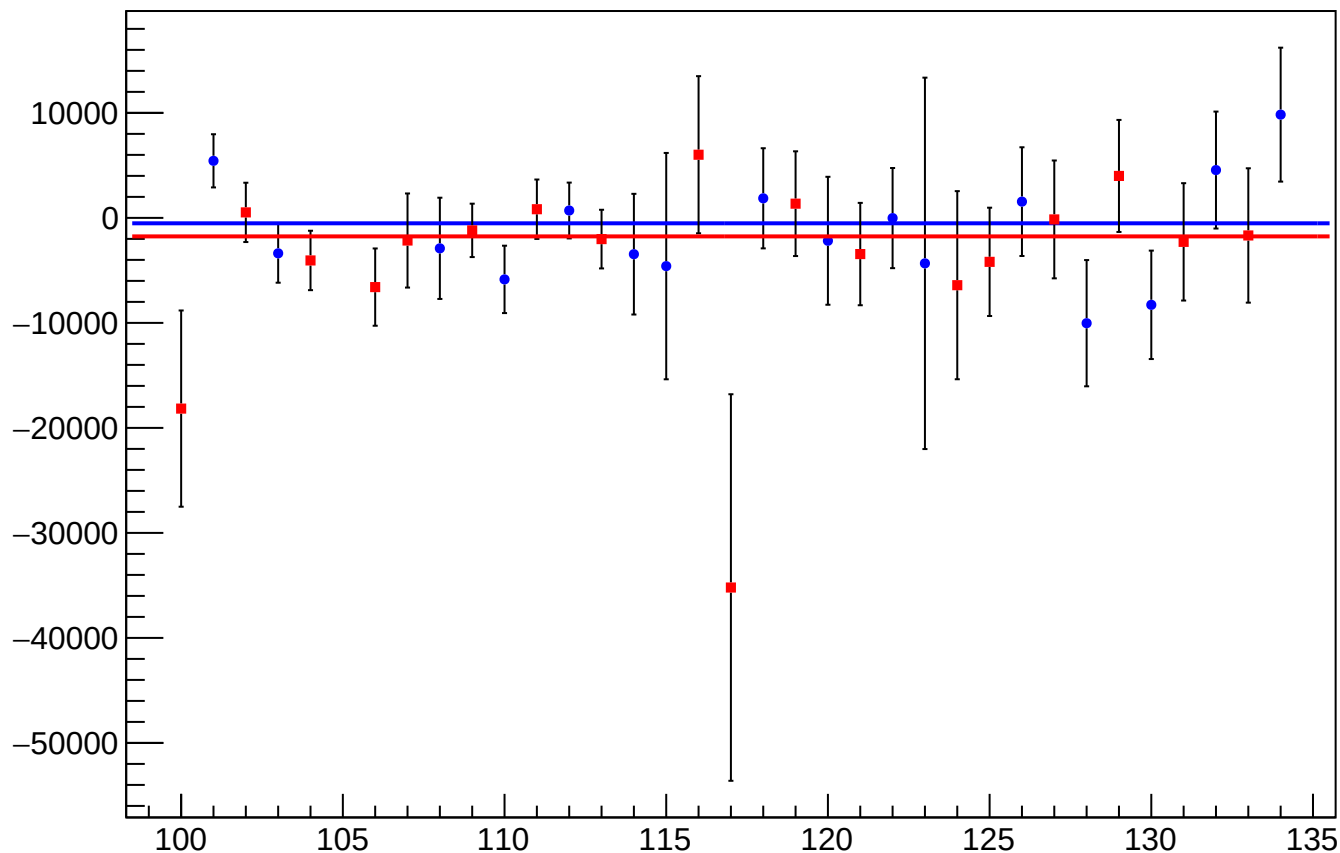
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

268.851+/-0.081  $\chi^2/\text{NDF}$ : 545455.6/15

261.957+/-0.054  $\chi^2/\text{NDF}$ : 1260384.9/33

256.181+/-0.074  $\chi^2/\text{NDF}$ : 701458.8/17

# asym\_sam4\_mean vs Slug, Sign Corrected



Right In: -516.390+/-1065.062  $\chi^2/\text{NDF}$ : 19.0/15

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

Right Out: -1762.642+/-966.841  $\chi^2/\text{NDF}$ : 13.7/17

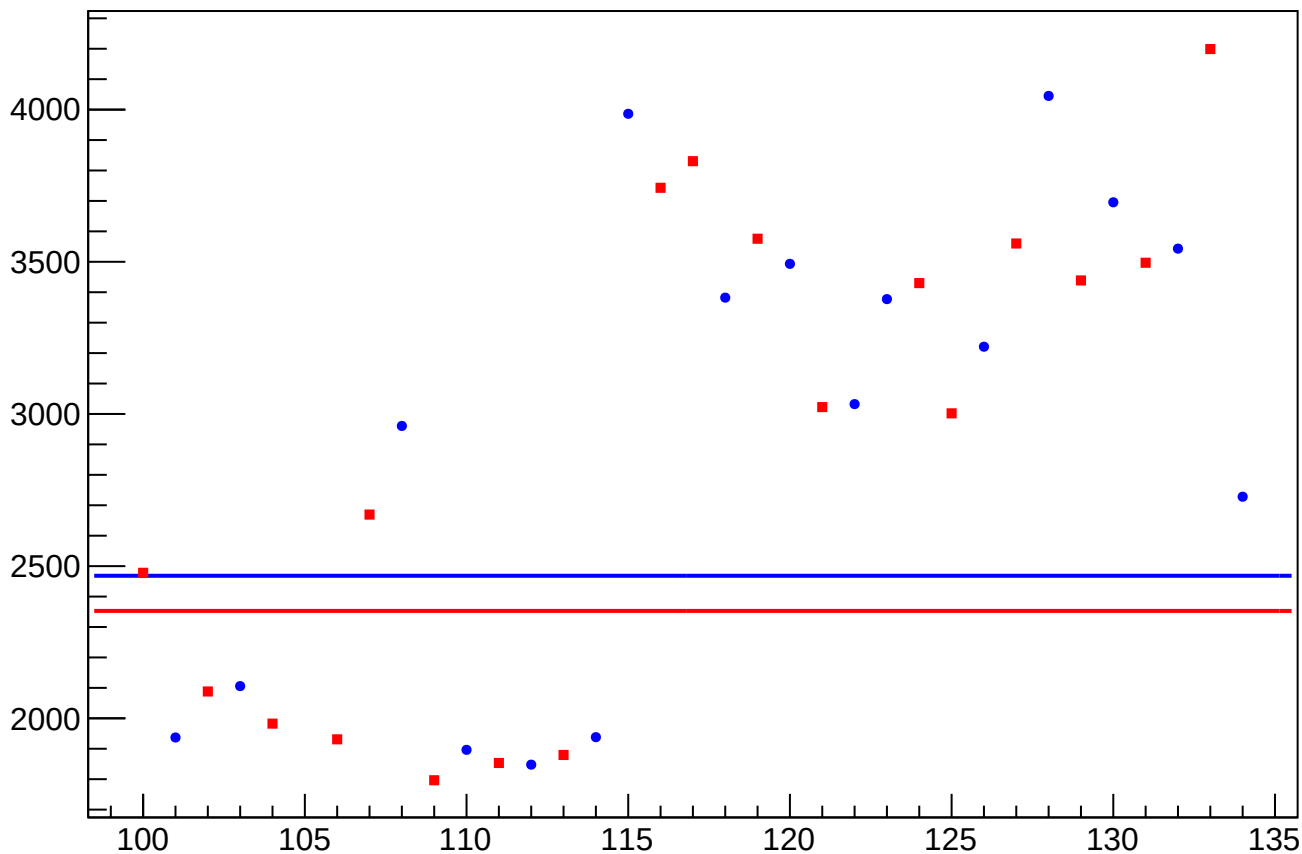
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-516.390+/-1065.062  $\chi^2/\text{NDF}$ : 19.0/15

-1199.618+/-715.872  $\chi^2/\text{NDF}$ : 33.4/33

-1762.642+/-966.841  $\chi^2/\text{NDF}$ : 13.7/17

# asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 2468.370+/-0.753  $\chi^2/\text{NDF}$ : 905777.0/15

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

Right Out: 2352.872+/-0.684  $\chi^2/\text{NDF}$ : 1030369.2/17

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

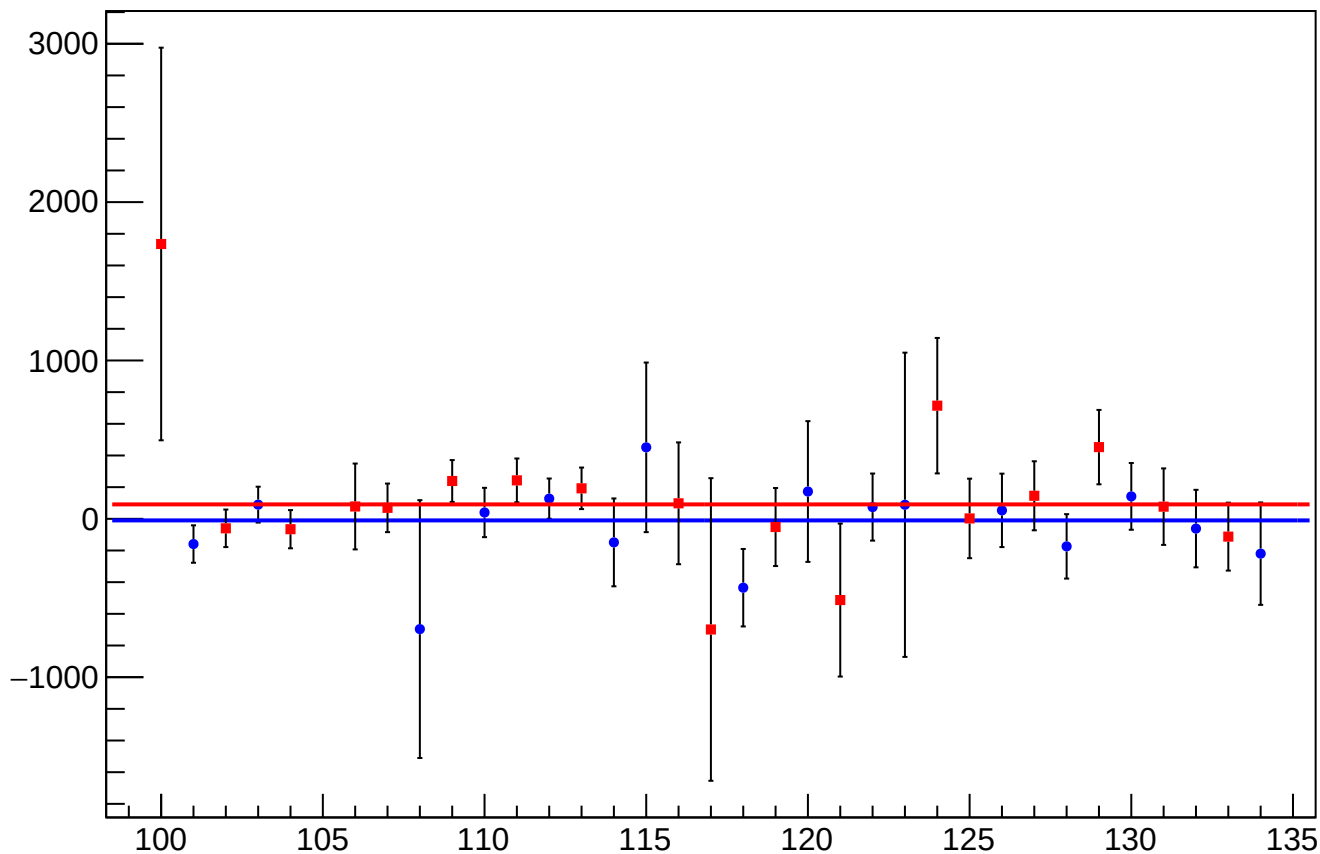
2468.370+/-0.753  $\chi^2/\text{NDF}$ : 905777.0/15

2405.051+/-0.506  $\chi^2/\text{NDF}$ : 1949040.3/33

2352.872+/-0.684  $\chi^2/\text{NDF}$ : 1030369.2/17



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



Right In:  $-10.013 \pm 49.548$   $\chi^2/\text{NDF}$ : 10.4/15

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

Right Out:  $91.171 \pm 45.070$   $\chi^2/\text{NDF}$ : 16.3/17

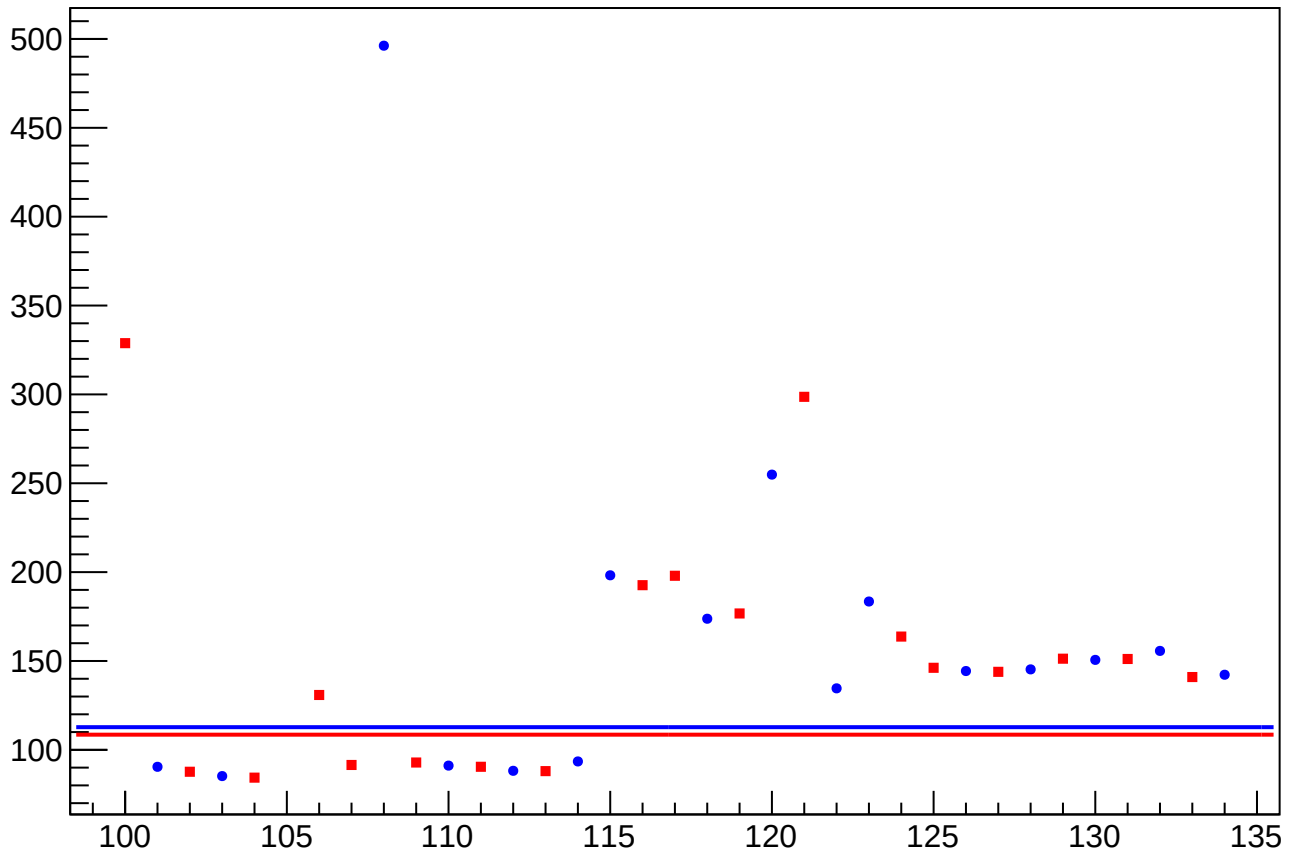
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-10.013 \pm 49.548$   $\chi^2/\text{NDF}$ : 10.4/15

$45.356 \pm 33.340$   $\chi^2/\text{NDF}$ : 29.0/33

$91.171 \pm 45.070$   $\chi^2/\text{NDF}$ : 16.3/17

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



Right In: 112.761+/-0.035  $\chi^2/\text{NDF}$ : 1398647.3/15

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

Right Out: 108.539+/-0.032  $\chi^2/\text{NDF}$ : 1235964.3/17

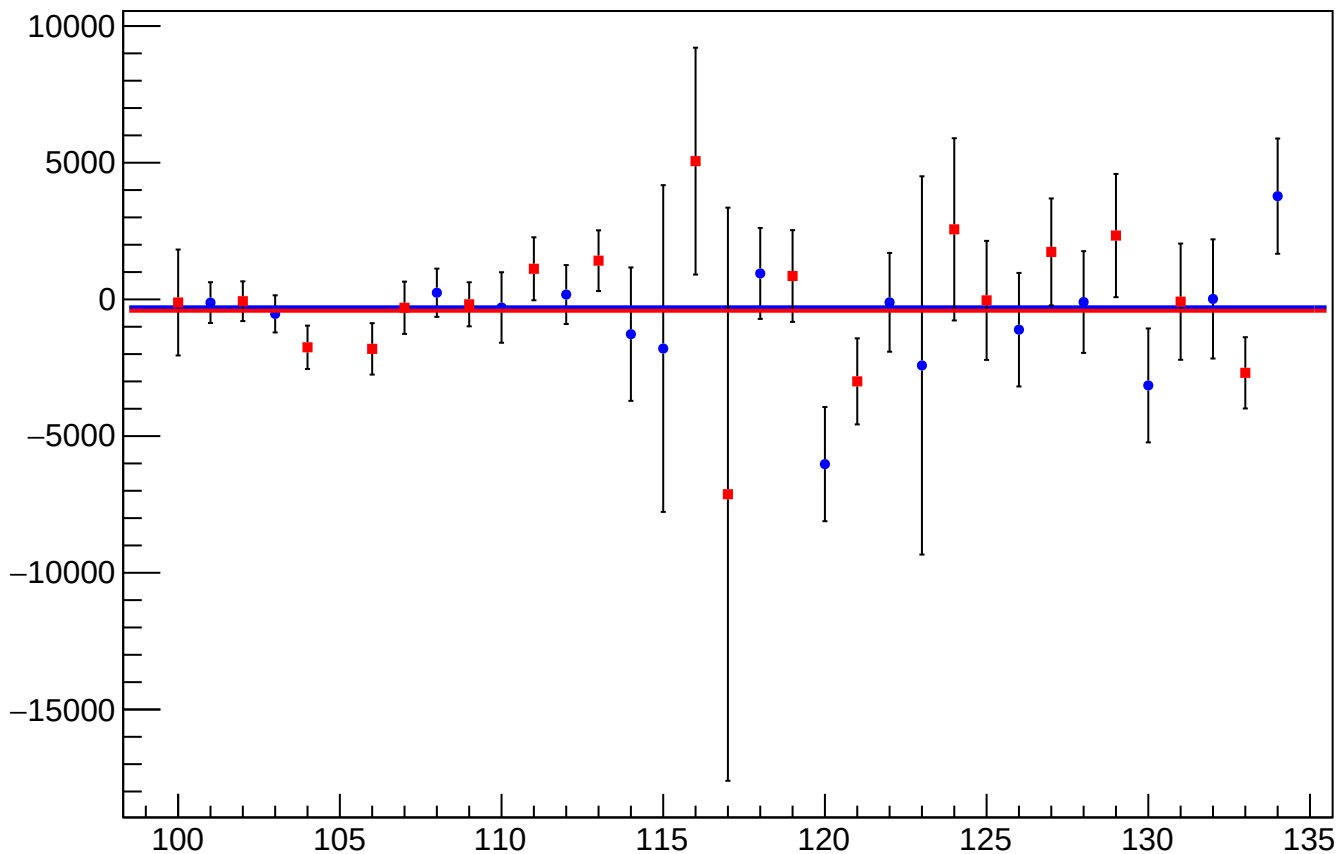
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

112.761+/-0.035  $\chi^2/\text{NDF}$ : 1398647.3/15

110.450+/-0.024  $\chi^2/\text{NDF}$ : 2642558.4/33

108.539+/-0.032  $\chi^2/\text{NDF}$ : 1235964.3/17

# asym\_sam5\_mean vs Slug, Sign Corrected



Right In: -289.126+/-333.141  $\chi^2/\text{NDF}$ : 14.9/15

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

Right Out: -413.658+/-295.193  $\chi^2/\text{NDF}$ : 21.9/17

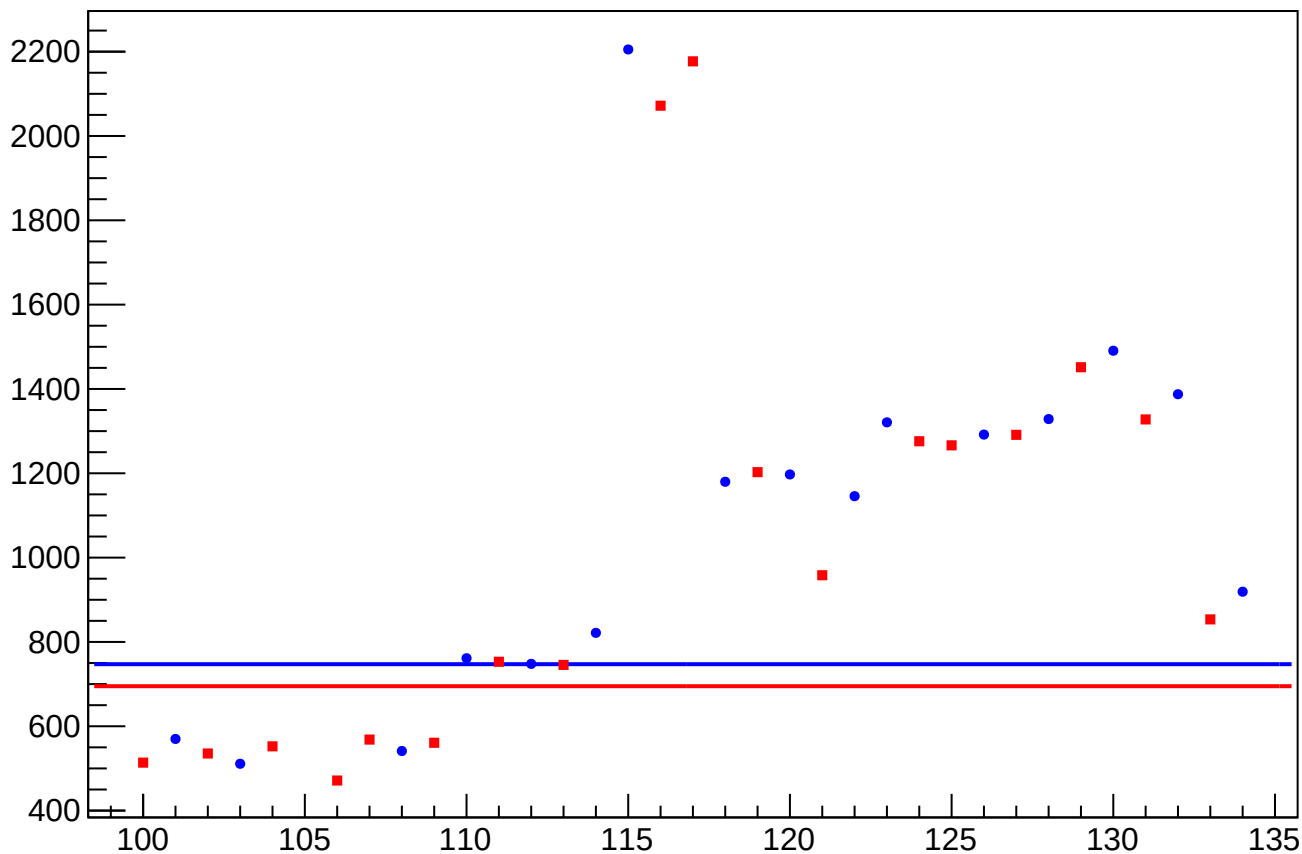
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-289.126+/-333.141  $\chi^2/\text{NDF}$ : 14.9/15

-358.886+/-220.937  $\chi^2/\text{NDF}$ : 36.9/33

-413.658+/-295.193  $\chi^2/\text{NDF}$ : 21.9/17

# asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 747.227+/-0.236  $\chi^2/\text{NDF}$ : 1696996.8/15

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

Right Out: 695.001+/-0.209  $\chi^2/\text{NDF}$ : 1706879.3/17

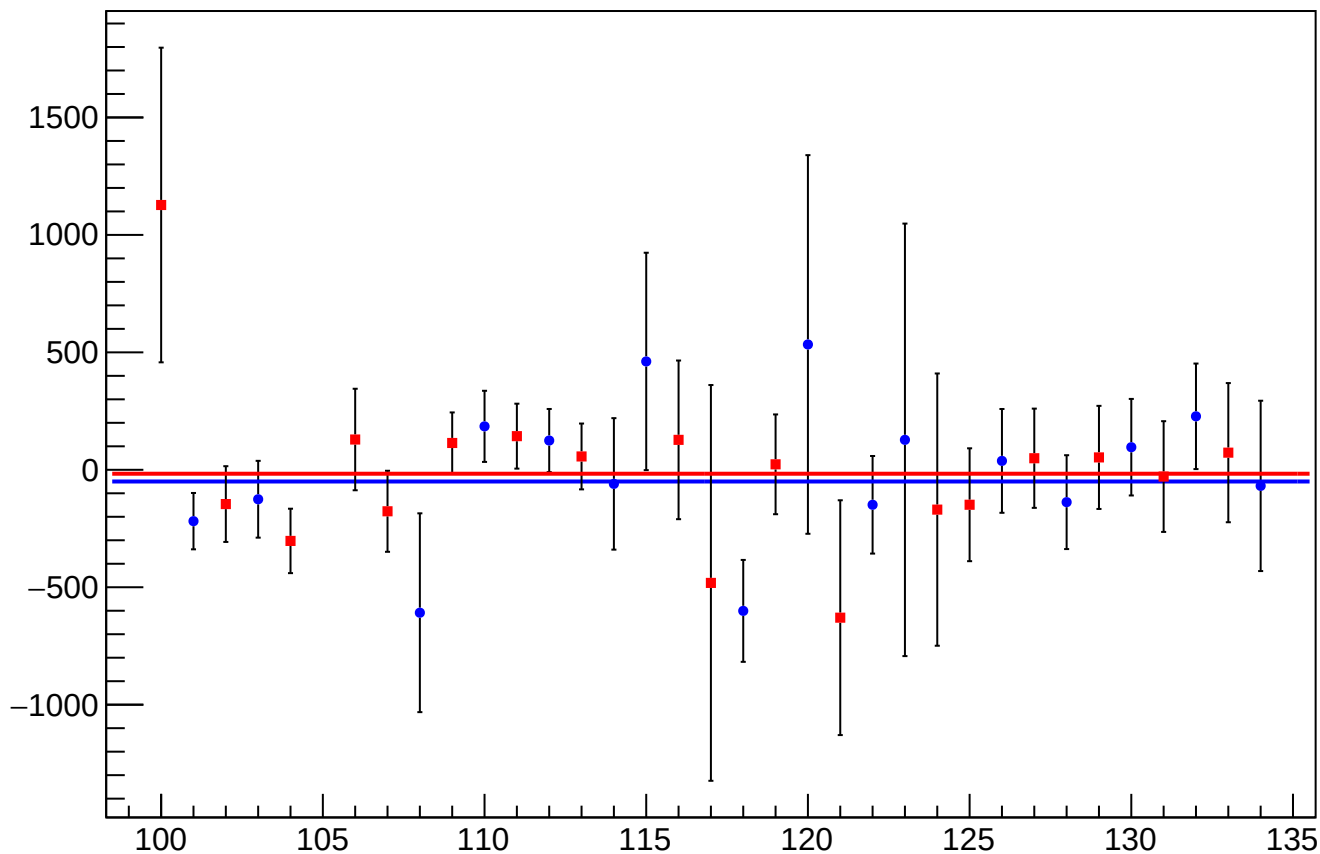
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

747.227+/-0.236  $\chi^2/\text{NDF}$ : 1696996.8/15

717.971+/-0.156  $\chi^2/\text{NDF}$ : 3431410.7/33

695.001+/-0.209  $\chi^2/\text{NDF}$ : 1706879.3/17

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



Right In:  $-49.791 \pm 51.797$   $\chi^2/\text{NDF}$ : 18.9/15

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

Right Out:  $-16.713 \pm 47.648$   $\chi^2/\text{NDF}$ : 14.5/17

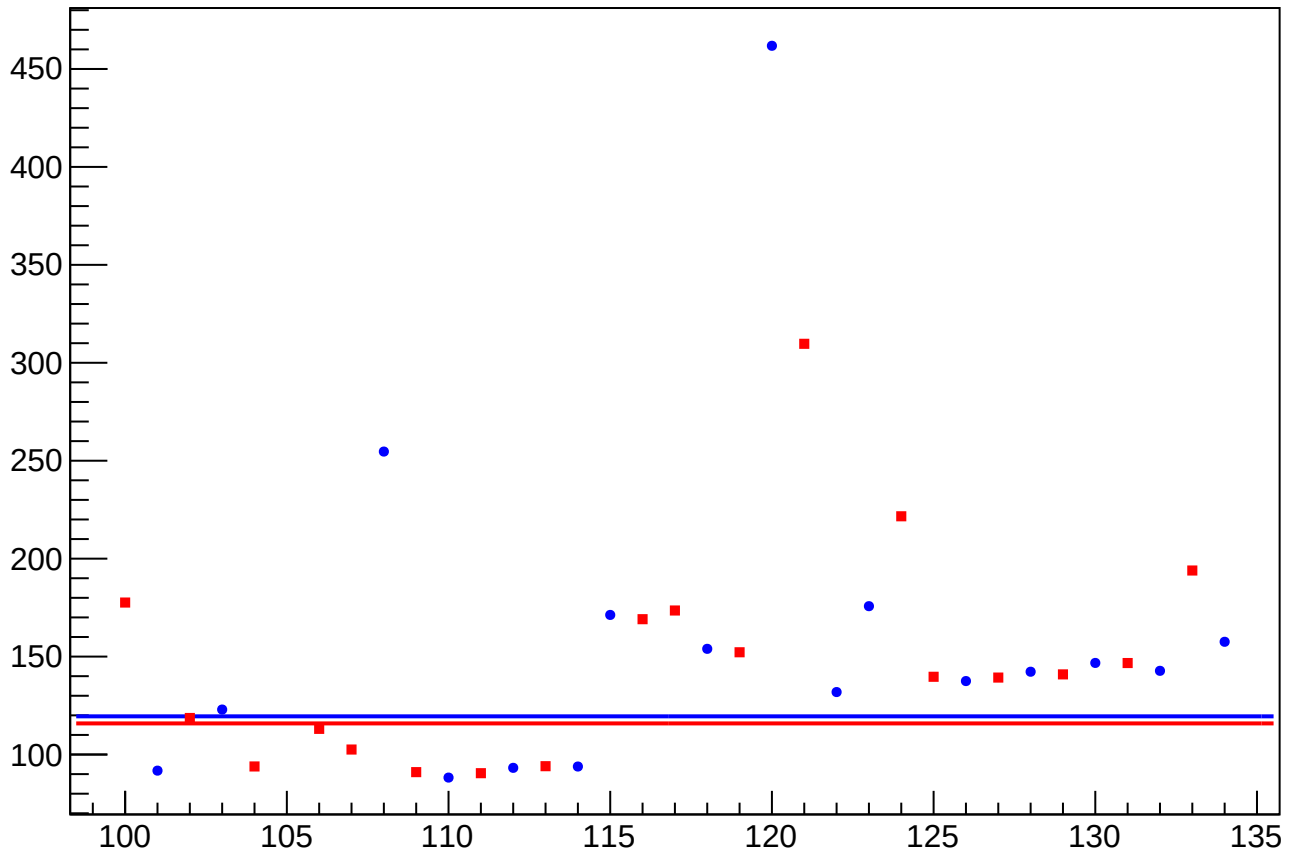
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-49.791 \pm 51.797$   $\chi^2/\text{NDF}$ : 18.9/15

$-31.874 \pm 35.068$   $\chi^2/\text{NDF}$ : 33.6/33

$-16.713 \pm 47.648$   $\chi^2/\text{NDF}$ : 14.5/17

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



Right In: 119.496 $\pm$ 0.037  $\chi^2$ /NDF: 1059332.4/15

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

Right Out: 115.884 $\pm$ 0.034  $\chi^2$ /NDF: 998588.1/17

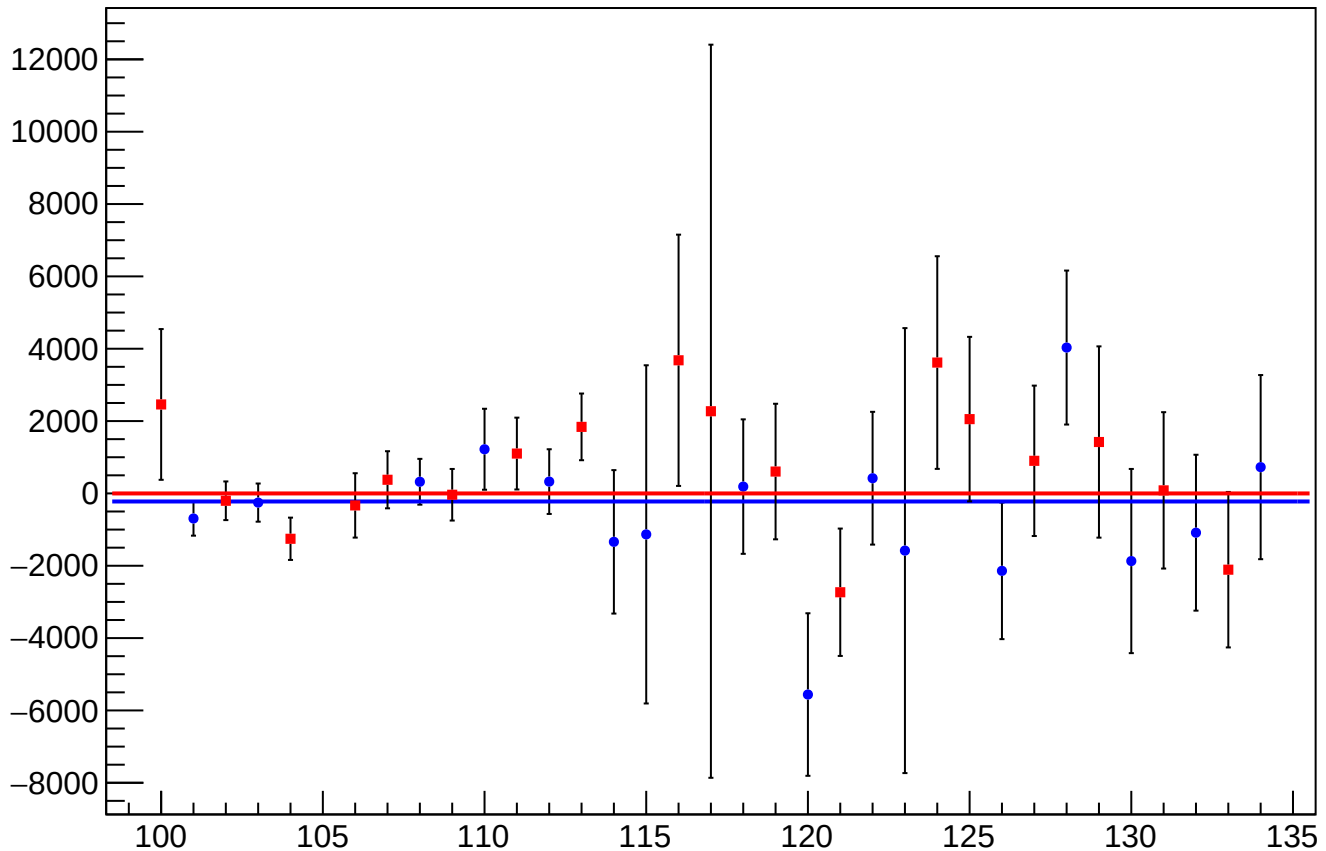
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

119.496 $\pm$ 0.037  $\chi^2$ /NDF: 1059332.4/15

117.540 $\pm$ 0.025  $\chi^2$ /NDF: 2063188.5/33

115.884 $\pm$ 0.034  $\chi^2$ /NDF: 998588.1/17

# asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -223.150+/-260.714  $\chi^2/\text{NDF}$ : 15.7/15

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

Right Out: -0.775+/-254.049  $\chi^2/\text{NDF}$ : 19.2/17

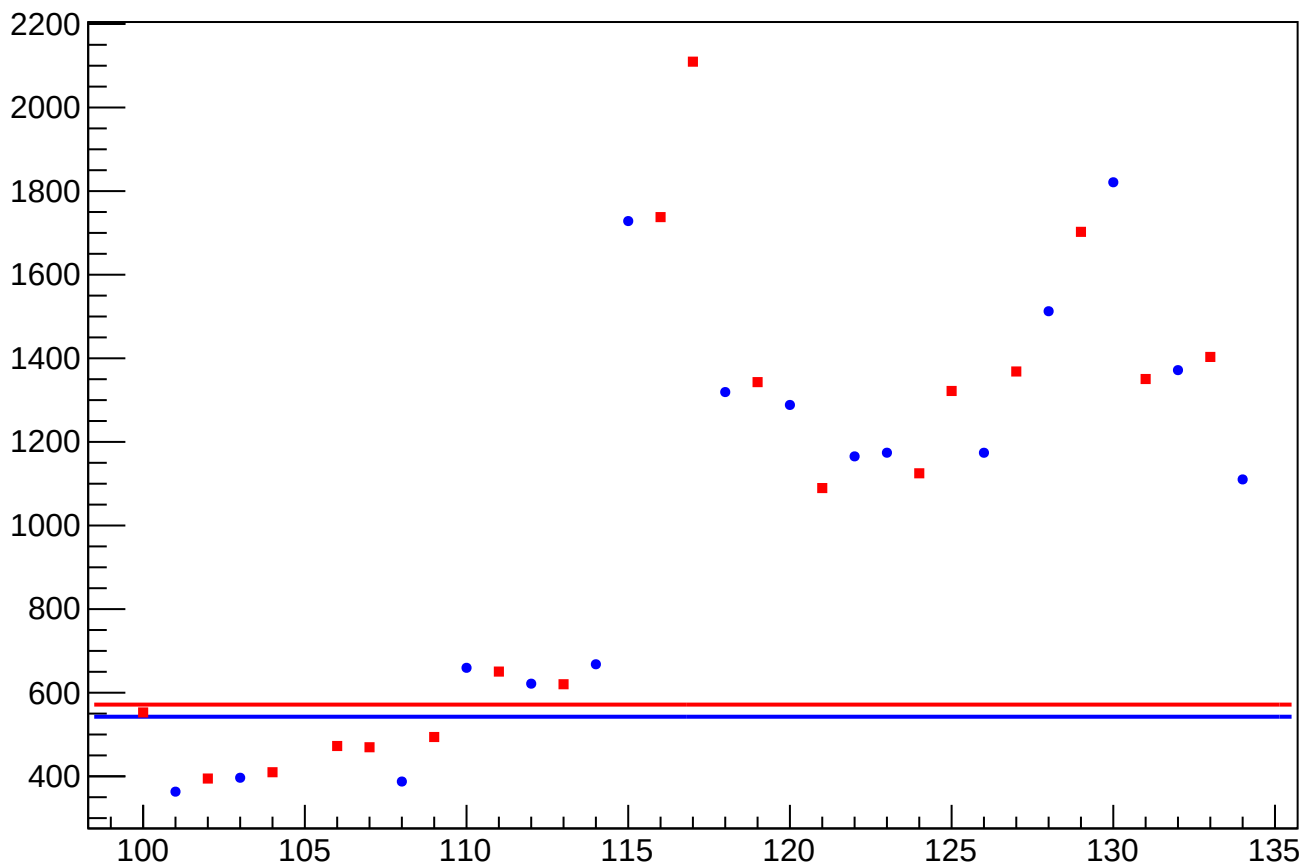
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-223.150+/-260.714  $\chi^2/\text{NDF}$ : 15.7/15

-109.084+/-181.951  $\chi^2/\text{NDF}$ : 35.3/33

-0.775+/-254.049  $\chi^2/\text{NDF}$ : 19.2/17

# asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 542.554 $\pm$ 0.184  $\chi^2$ /NDF: 3092682.4/15

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

Right Out: 571.545 $\pm$ 0.180  $\chi^2$ /NDF: 2763601.7/17

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

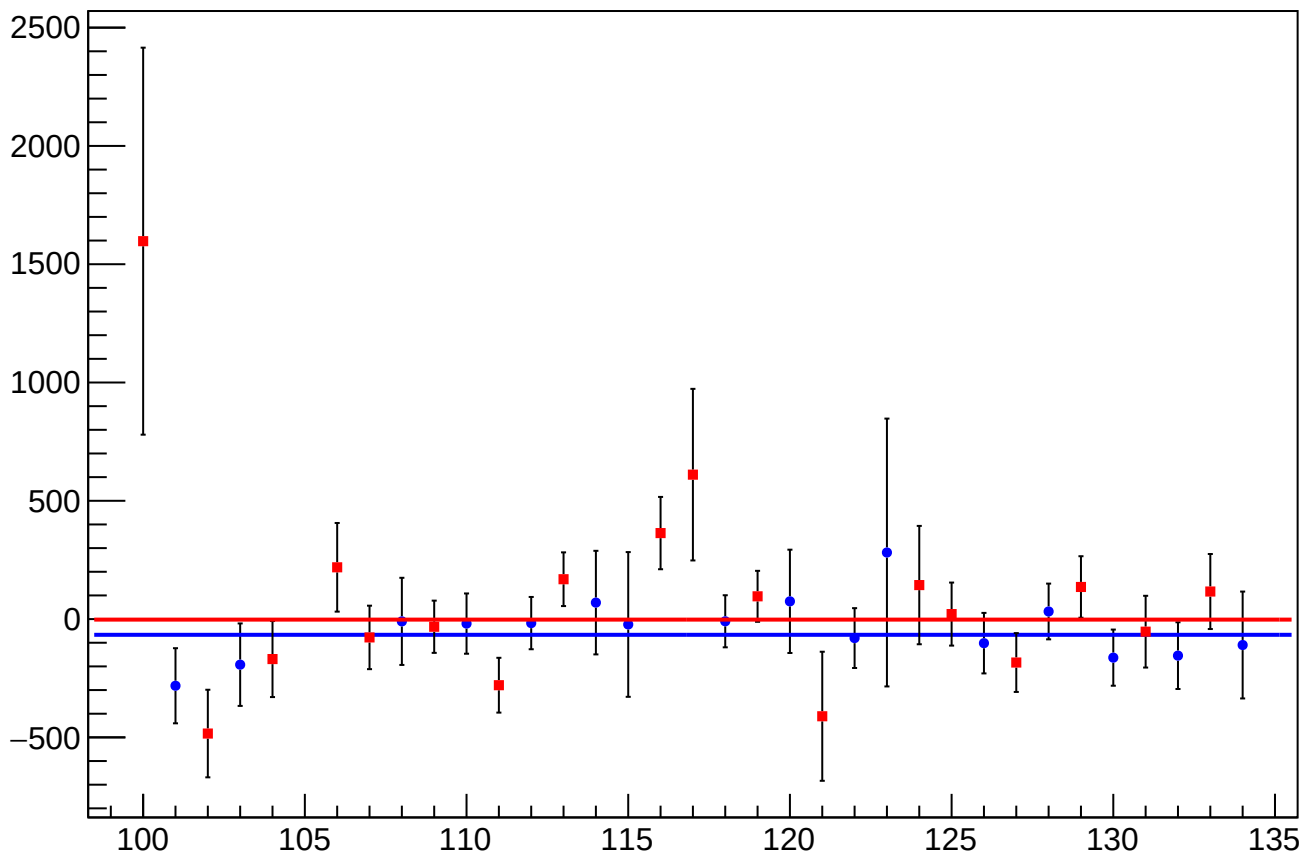
542.554 $\pm$ 0.184  $\chi^2$ /NDF: 3092682.4/15

557.425 $\pm$ 0.129  $\chi^2$ /NDF: 5868969.4/33

571.545 $\pm$ 0.180  $\chi^2$ /NDF: 2763601.7/17



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



Right In: -66.467 $\pm$ 37.258  $\chi^2$ /NDF: 6.1/15

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

Right Out: -2.217 $\pm$ 34.982  $\chi^2$ /NDF: 37.4/17

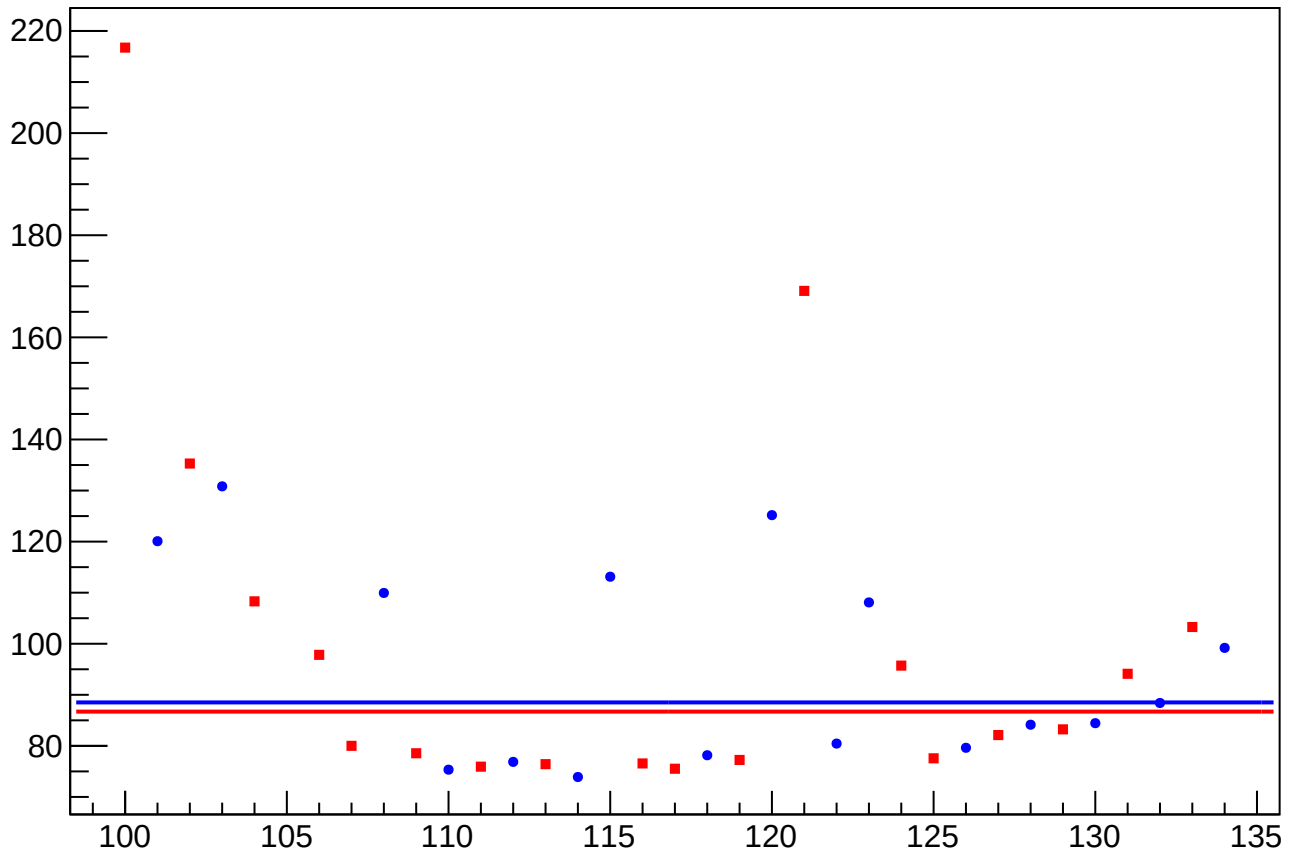
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-66.467 $\pm$ 37.258  $\chi^2$ /NDF: 6.1/15

-32.320 $\pm$ 25.503  $\chi^2$ /NDF: 45.1/33

-2.217 $\pm$ 34.982  $\chi^2$ /NDF: 37.4/17

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



Right In: 88.510 $\pm$ 0.026  $\chi^2$ /NDF: 393336.1/15

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

Right Out: 86.710 $\pm$ 0.025  $\chi^2$ /NDF: 532576.6/17

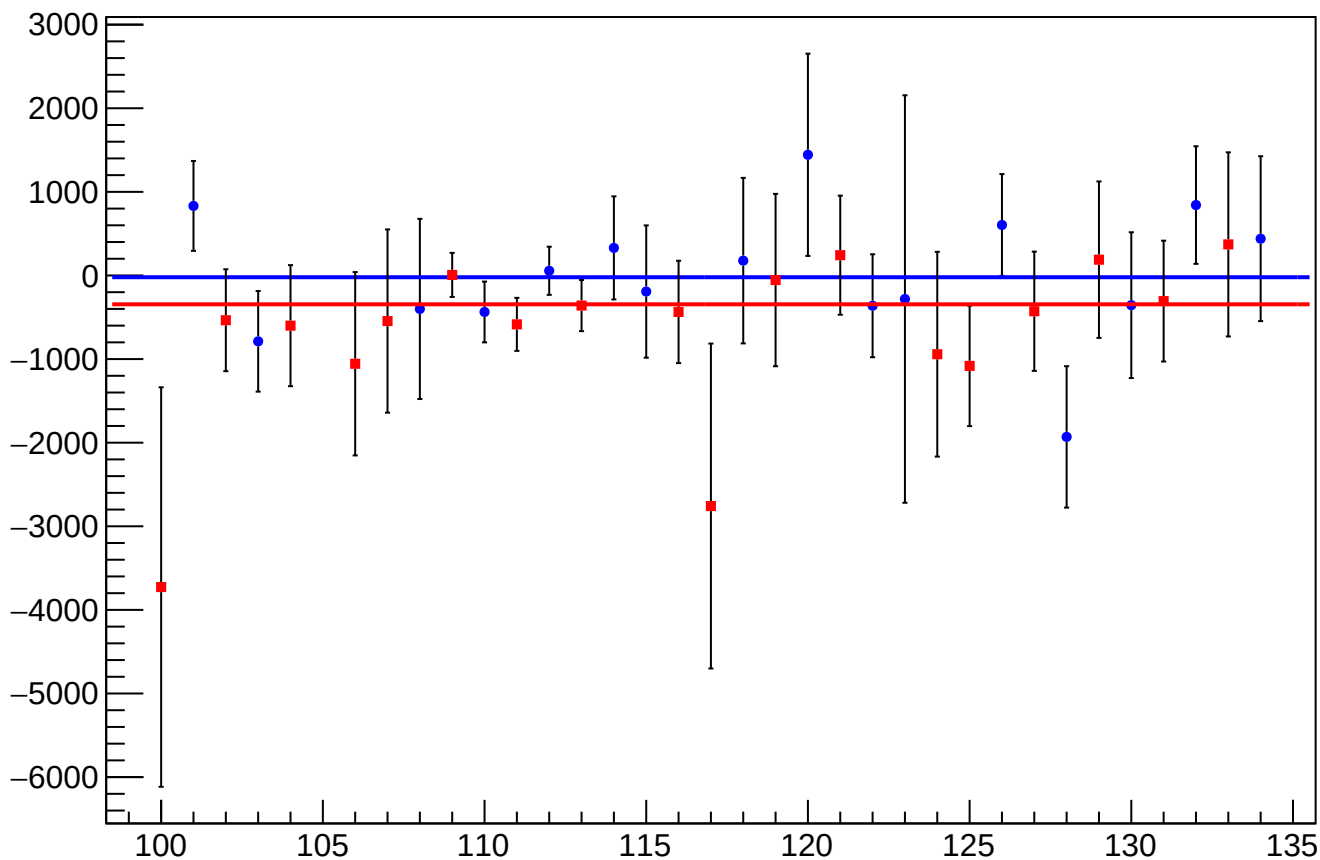
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

88.510 $\pm$ 0.026  $\chi^2$ /NDF: 393336.1/15

87.553 $\pm$ 0.018  $\chi^2$ /NDF: 928394.0/33

86.710 $\pm$ 0.025  $\chi^2$ /NDF: 532576.6/17

# asym\_sam7\_mean vs Slug, Sign Corrected



Right In:  $-21.098 \pm 150.898$   $\chi^2/\text{NDF}: 15.9/15$

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

Right Out:  $-344.791 \pm 133.939$   $\chi^2/\text{NDF}: 9.4/17$

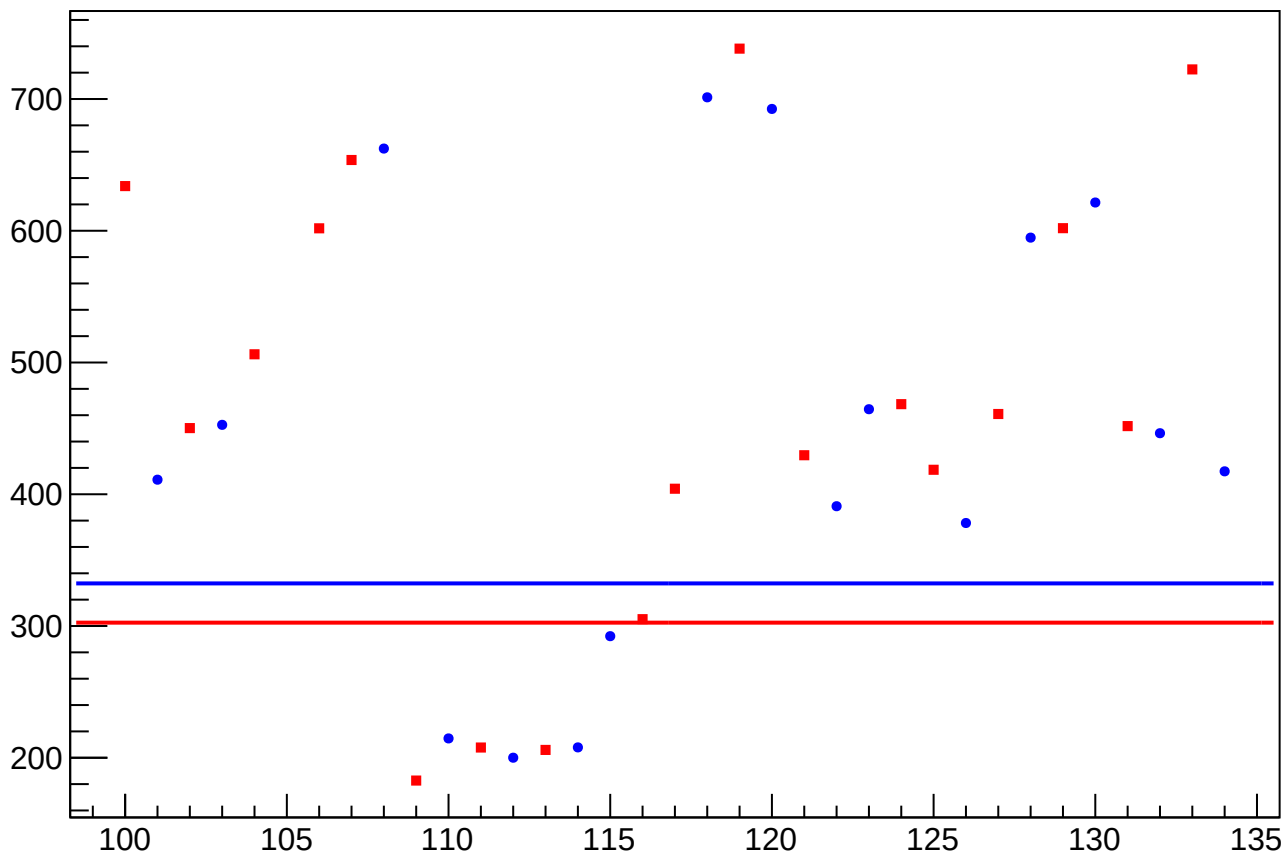
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-21.098 \pm 150.898$   $\chi^2/\text{NDF}: 15.9/15$

$-202.148 \pm 100.171$   $\chi^2/\text{NDF}: 27.8/33$

$-344.791 \pm 133.939$   $\chi^2/\text{NDF}: 9.4/17$

# asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 332.333+/-0.107  $\chi^2/\text{NDF}$ : 1999441.6/15

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

Right Out: 302.547+/-0.095  $\chi^2/\text{NDF}$ : 2654590.8/17

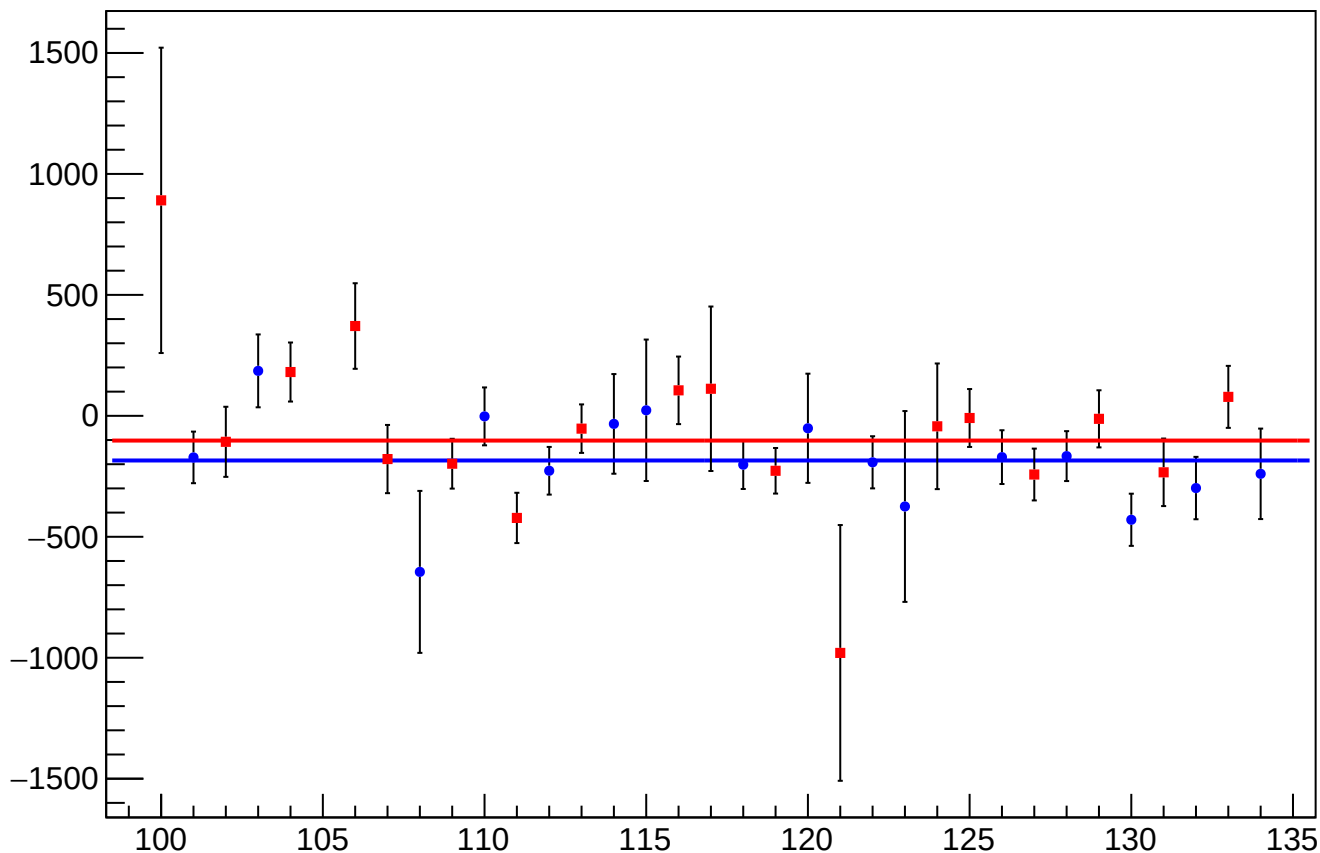
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

332.333+/-0.107  $\chi^2/\text{NDF}$ : 1999441.6/15

315.673+/-0.071  $\chi^2/\text{NDF}$ : 4697620.9/33

302.547+/-0.095  $\chi^2/\text{NDF}$ : 2654590.8/17

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



Right In: -184.569+/-33.148  $\chi^2/\text{NDF}$ : 18.2/15

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

Right Out: -102.226+/-31.345  $\chi^2/\text{NDF}$ : 38.8/17

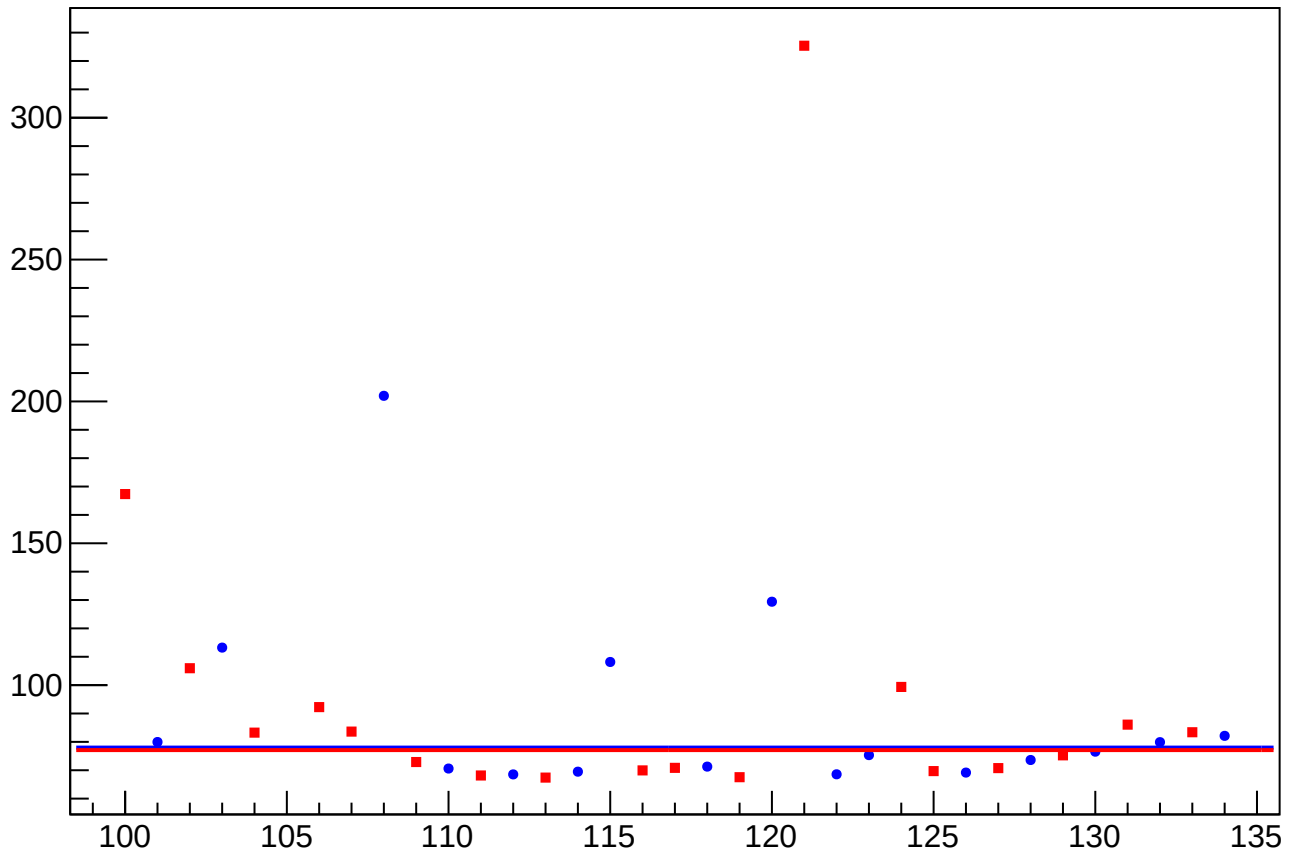
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-184.569+/-33.148  $\chi^2/\text{NDF}$ : 18.2/15

-141.098+/-22.775  $\chi^2/\text{NDF}$ : 60.3/33

-102.226+/-31.345  $\chi^2/\text{NDF}$ : 38.8/17

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



Right In: 77.983 $\pm$ 0.023  $\chi^2$ /NDF: 581272.1/15

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

Right Out: 77.101 $\pm$ 0.022  $\chi^2$ /NDF: 691736.8/17

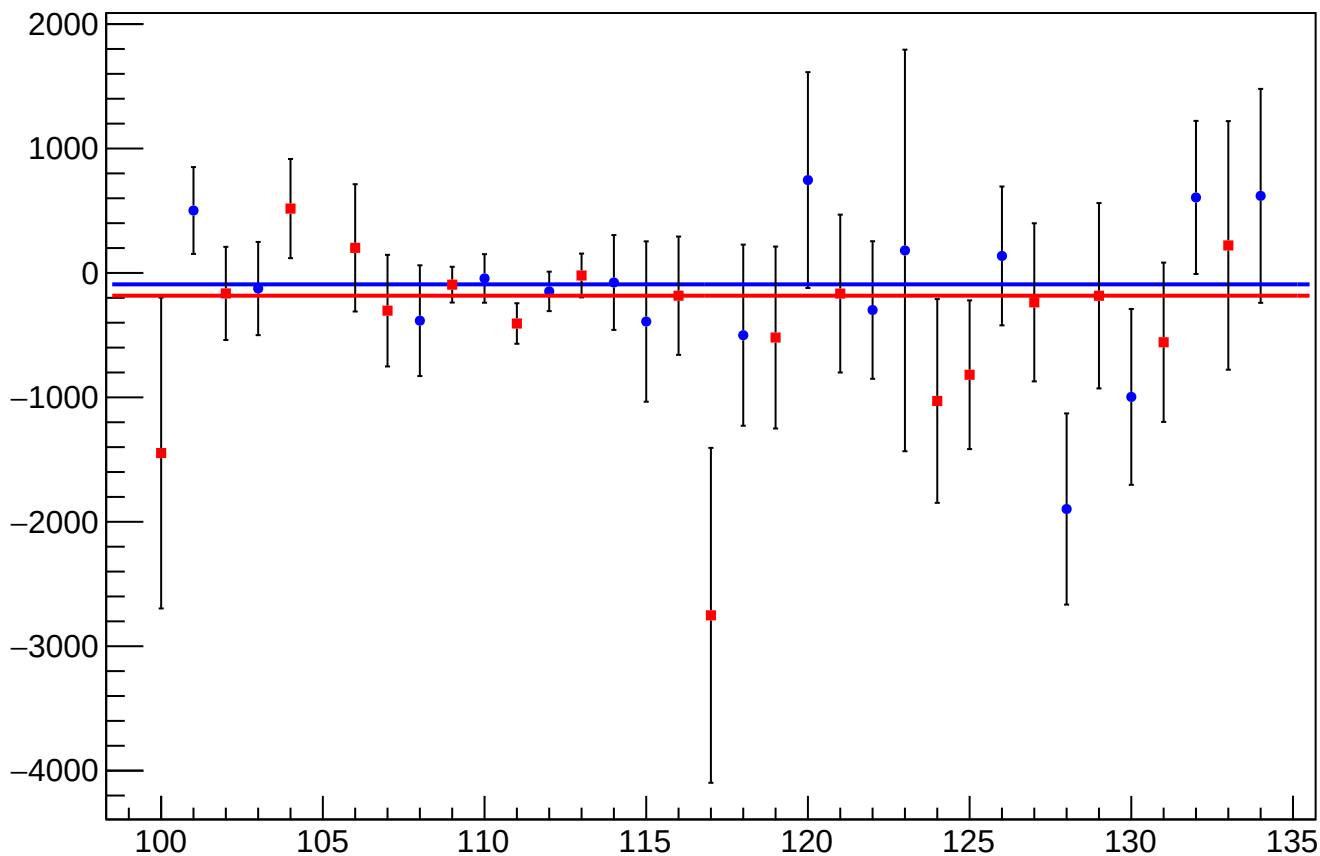
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

77.983 $\pm$ 0.023  $\chi^2$ /NDF: 581272.1/15

77.517 $\pm$ 0.016  $\chi^2$ /NDF: 1273757.0/33

77.101 $\pm$ 0.022  $\chi^2$ /NDF: 691736.8/17

# asym\_sam8\_mean vs Slug, Sign Corrected



Right In:  $-91.764 \pm 93.865$   $\chi^2/\text{NDF}$ : 14.5/15

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

Right Out:  $-182.768 \pm 78.392$   $\chi^2/\text{NDF}$ : 14.4/17

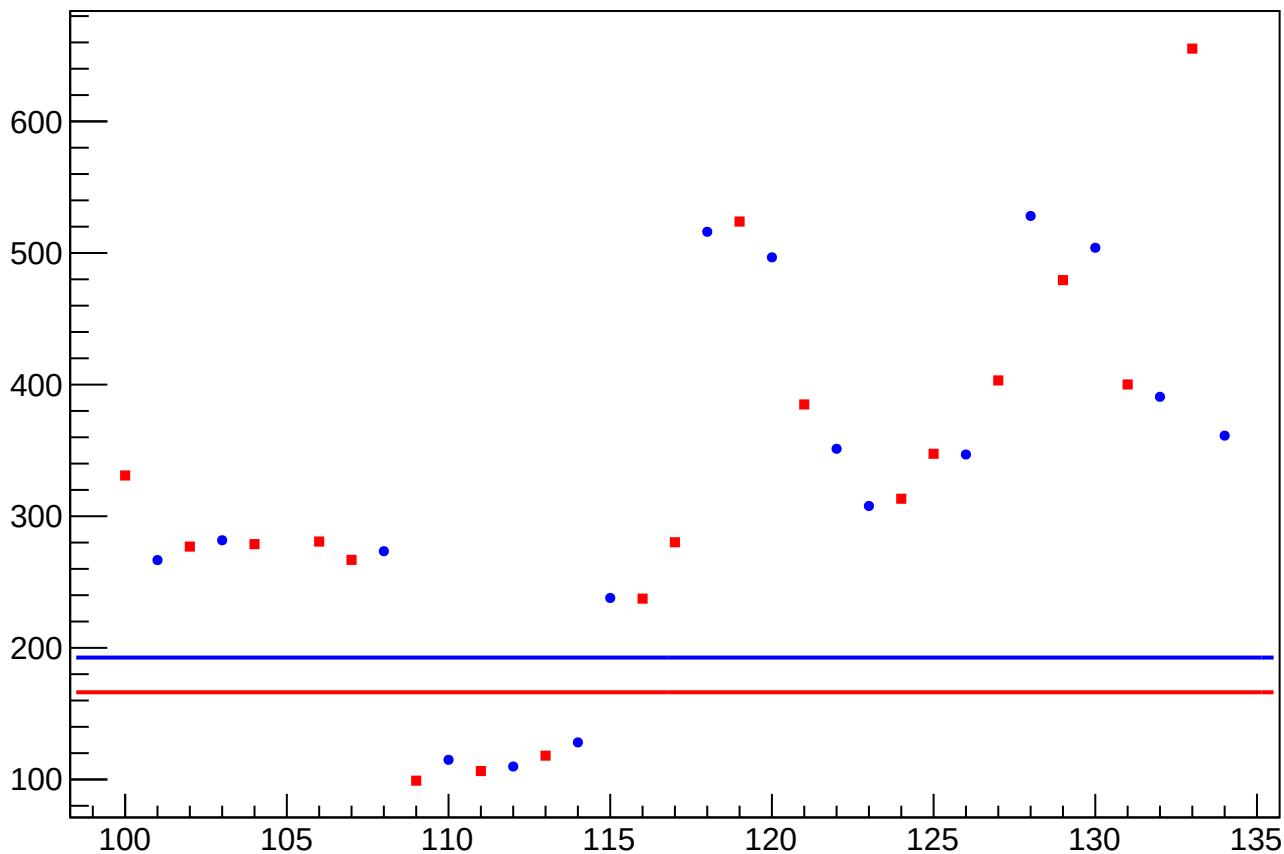
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-91.764 \pm 93.865$   $\chi^2/\text{NDF}$ : 14.5/15

$-145.375 \pm 60.168$   $\chi^2/\text{NDF}$ : 29.4/33

$-182.768 \pm 78.392$   $\chi^2/\text{NDF}$ : 14.4/17

# asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 192.630+/-0.066  $\chi^2/\text{NDF}$ : 3220918.6/15

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

Right Out: 166.261+/-0.055  $\chi^2/\text{NDF}$ : 3828732.1/17

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

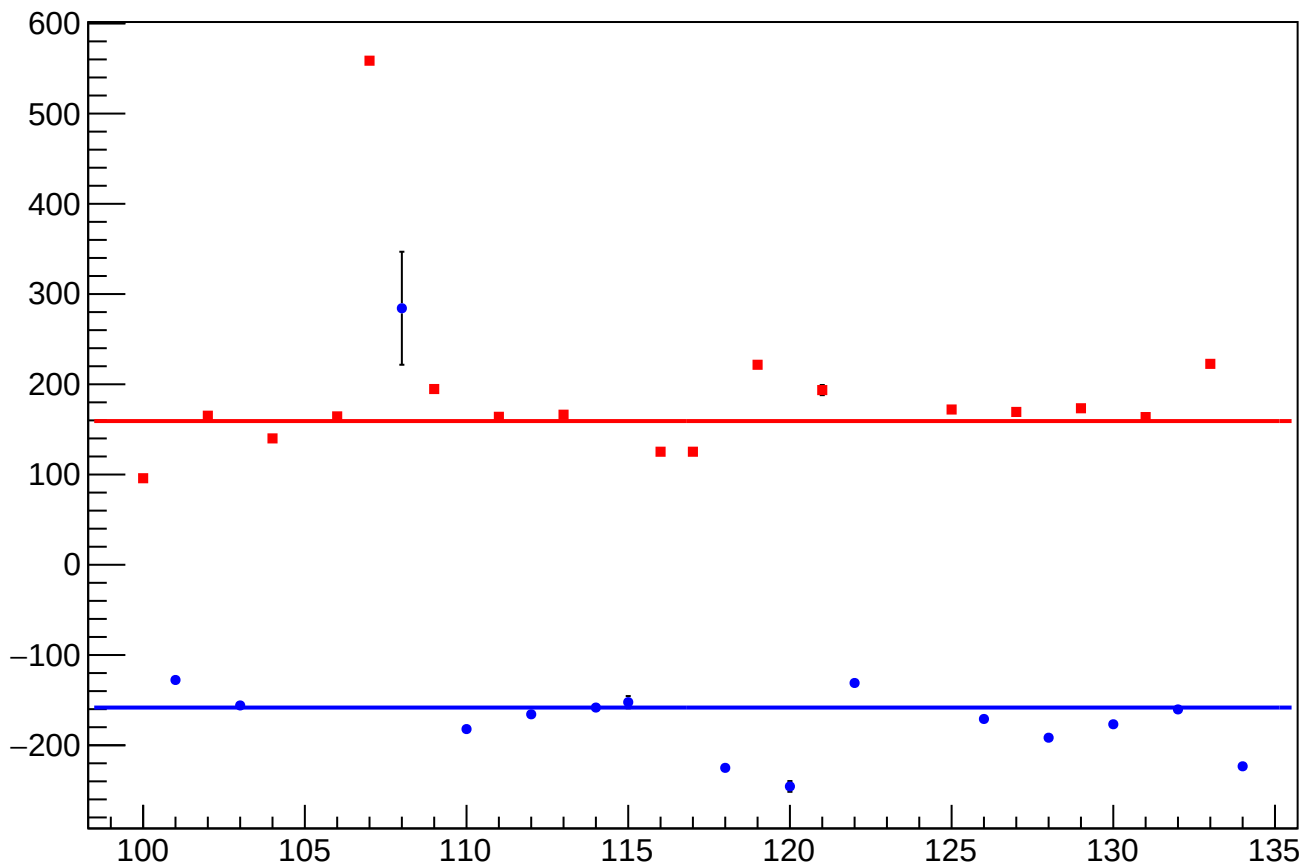
192.630+/-0.066  $\chi^2/\text{NDF}$ : 3220918.6/15

177.096+/-0.043  $\chi^2/\text{NDF}$ : 7142632.8/33

166.261+/-0.055  $\chi^2/\text{NDF}$ : 3828732.1/17



# dit\_usl\_4aX\_slope vs Slug, Sign Corrected



Right In: -158.222+/-0.000  $\chi^2$ /NDF: 31837.6/14

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

Right Out: 159.253+/-0.199  $\chi^2$ /NDF: 79526.0/16

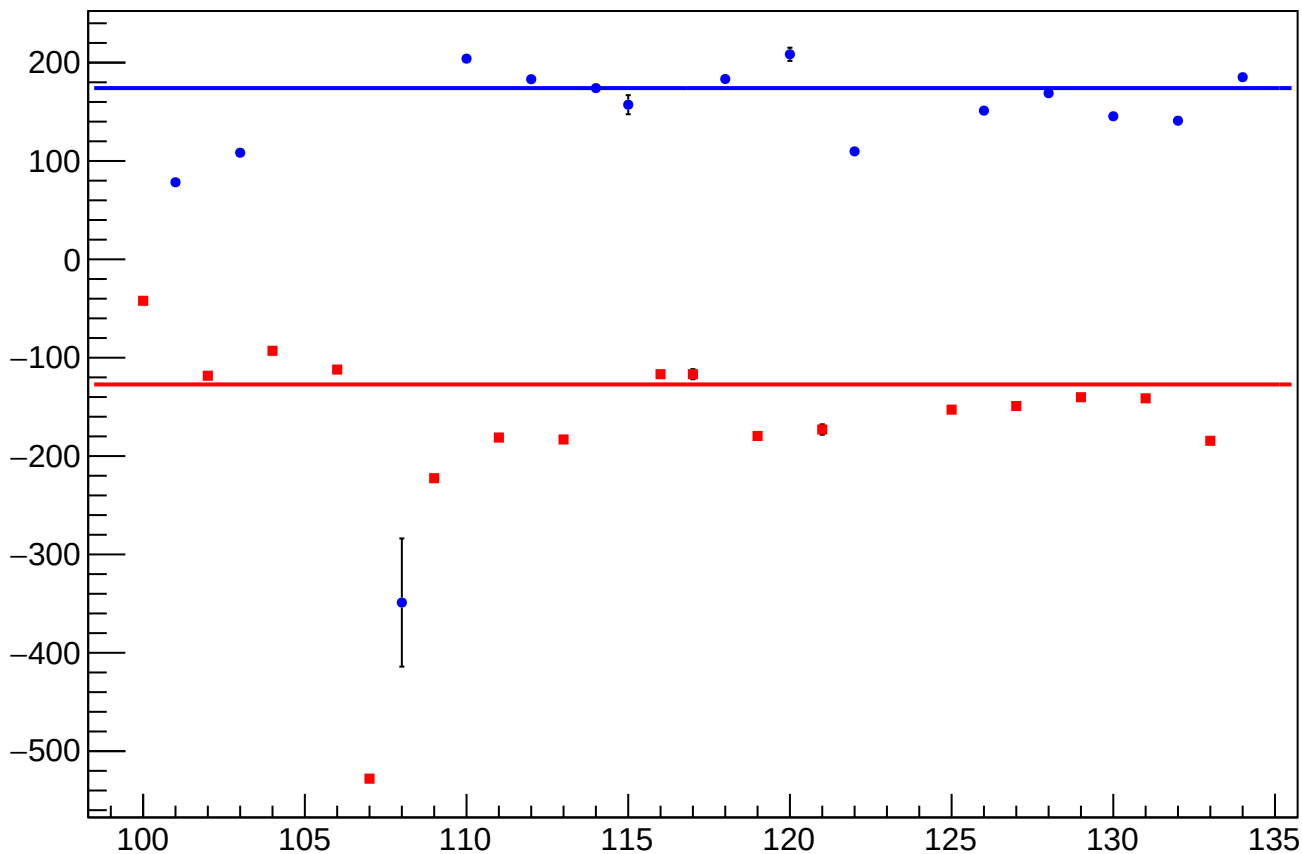
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-158.222+/-0.000  $\chi^2$ /NDF: 31837.6/14

-158.222+/-0.000  $\chi^2$ /NDF: 2648071.4/31

159.253+/-0.199  $\chi^2$ /NDF: 79526.0/16

# dit\_usl\_4eX\_slope vs Slug, Sign Corrected



Right In: 174.085+/-0.000  $\chi^2/\text{NDF}$ : 27427.6/14

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

Right Out: -127.181+/-0.218  $\chi^2/\text{NDF}$ : 111941.5/16

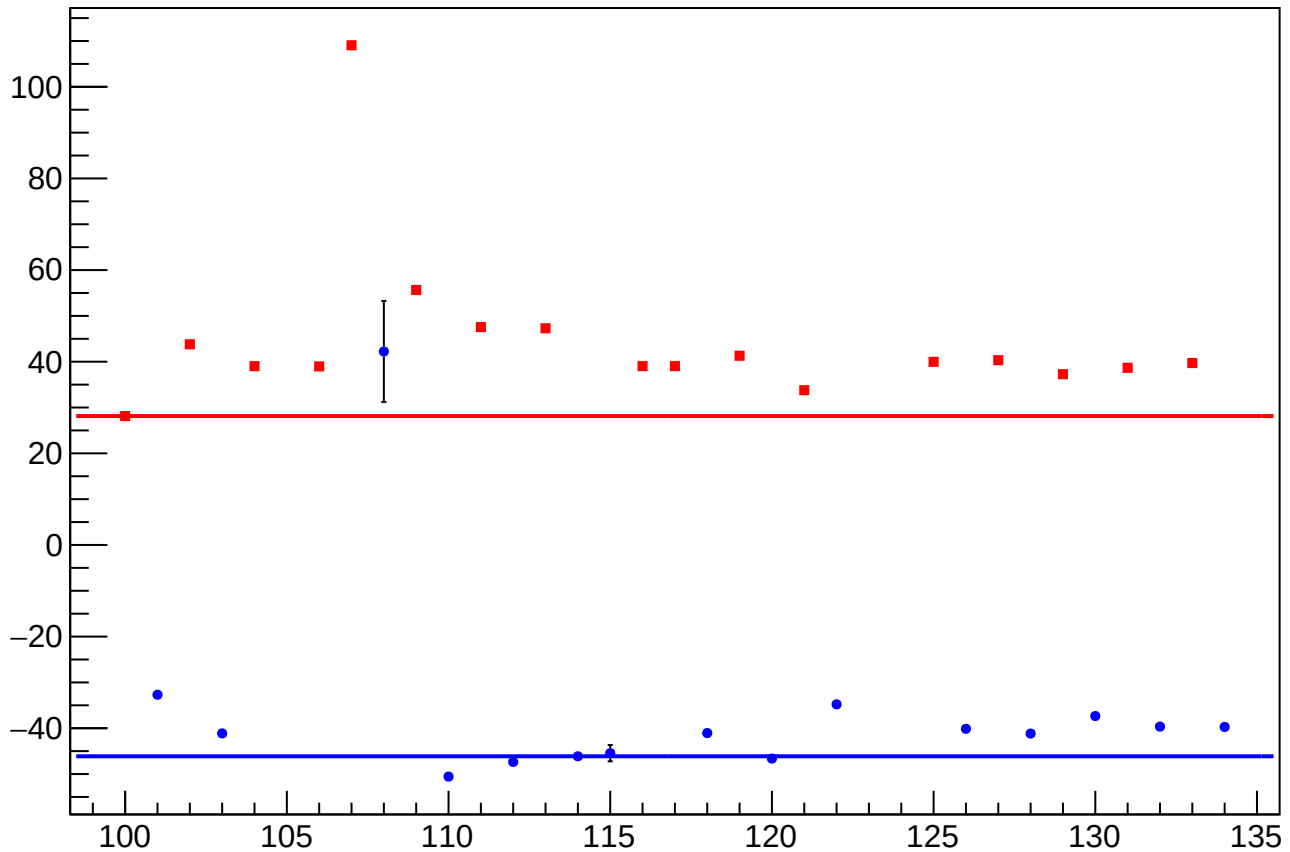
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

174.085+/-0.000  $\chi^2/\text{NDF}$ : 27427.6/14

174.085+/-0.000  $\chi^2/\text{NDF}$ : 2053635.4/31

-127.181+/-0.218  $\chi^2/\text{NDF}$ : 111941.5/16

# dit\_usl\_11X12X\_slope vs Slug, Sign Corrected



Right In: -46.126+/-0.000  $\chi^2/\text{NDF}$ : 200823.6/14

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

Right Out: 28.139+/-0.000  $\chi^2/\text{NDF}$ : 718260.4/16

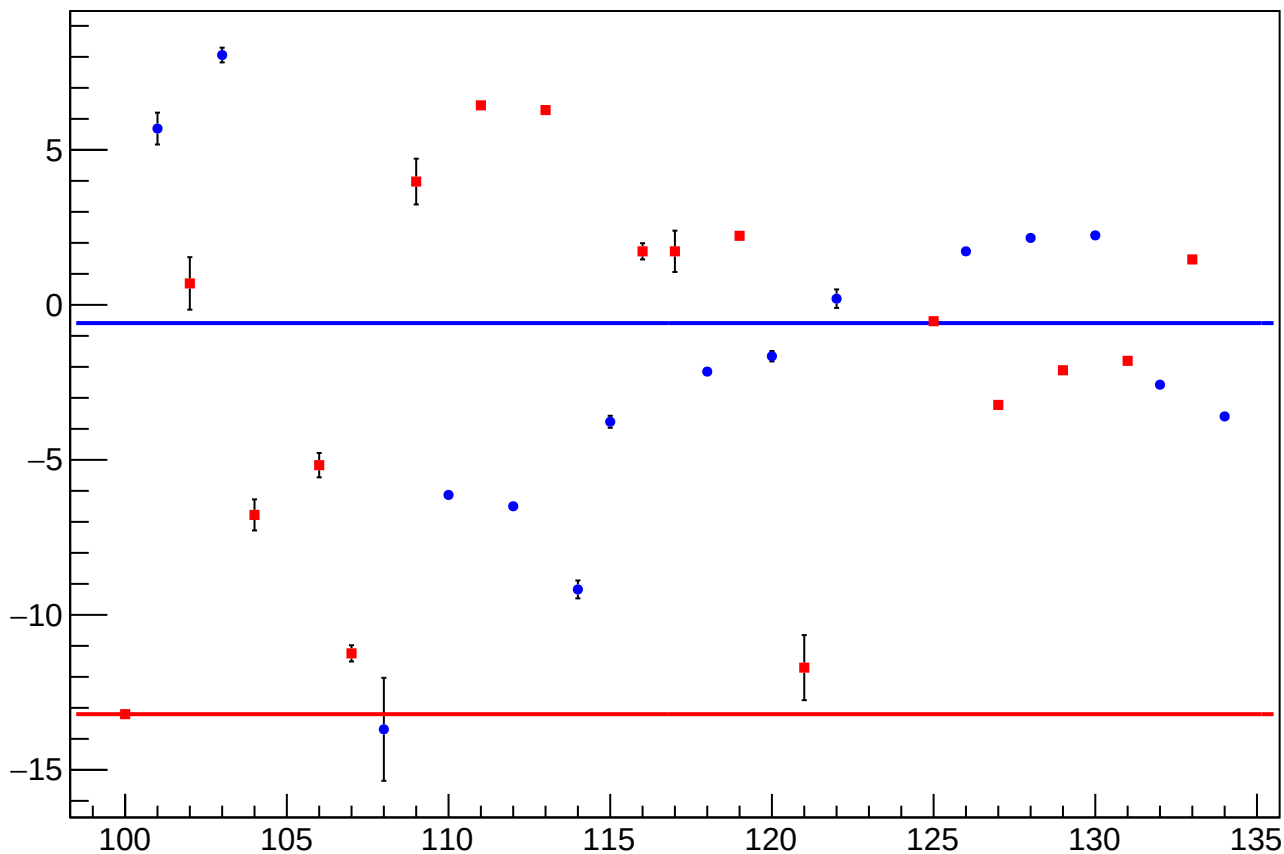
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-46.126+/-0.000  $\chi^2/\text{NDF}$ : 200823.6/14

-19.915+/-0.000  $\chi^2/\text{NDF}$ : 424121047777

28.139+/-0.000  $\chi^2/\text{NDF}$ : 718260.4/16

# dit\_usl\_4aY\_slope vs Slug, Sign Corrected



Right In: -0.588+/-0.024  $\chi^2$ /NDF: 17297.3/14

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

Right Out: -13.204+/-0.000  $\chi^2$ /NDF: 340314.6/16

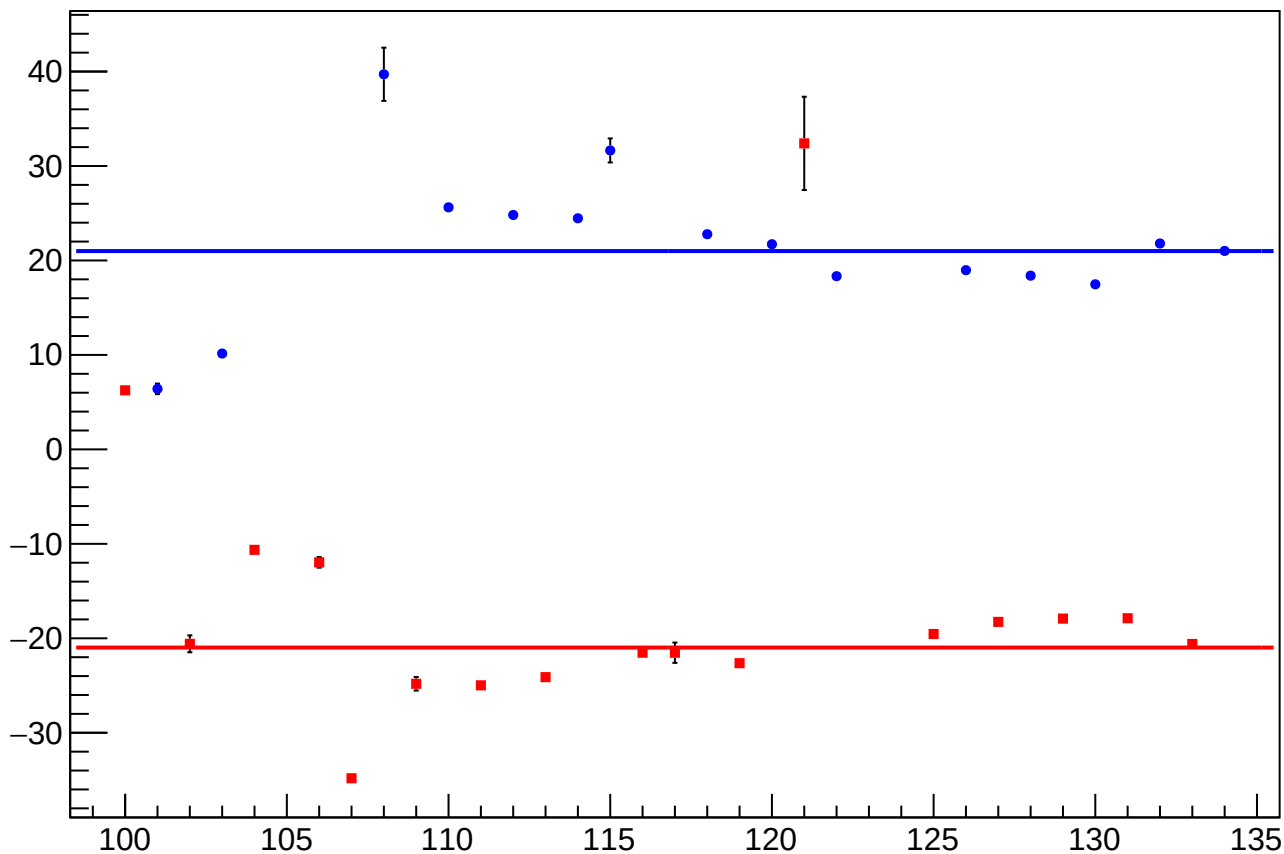
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-0.588+/-0.024  $\chi^2$ /NDF: 17297.3/14

-13.204+/-0.000  $\chi^2$ /NDF: 633440.2/31

-13.204+/-0.000  $\chi^2$ /NDF: 340314.6/16

# dit\_usl\_4eY\_slope vs Slug, Sign Corrected



Right In: 20.994+/-0.025  $\chi^2/\text{NDF}$ : 11987.1/14

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

Right Out: -20.978+/-0.024  $\chi^2/\text{NDF}$ : 19373.0/16

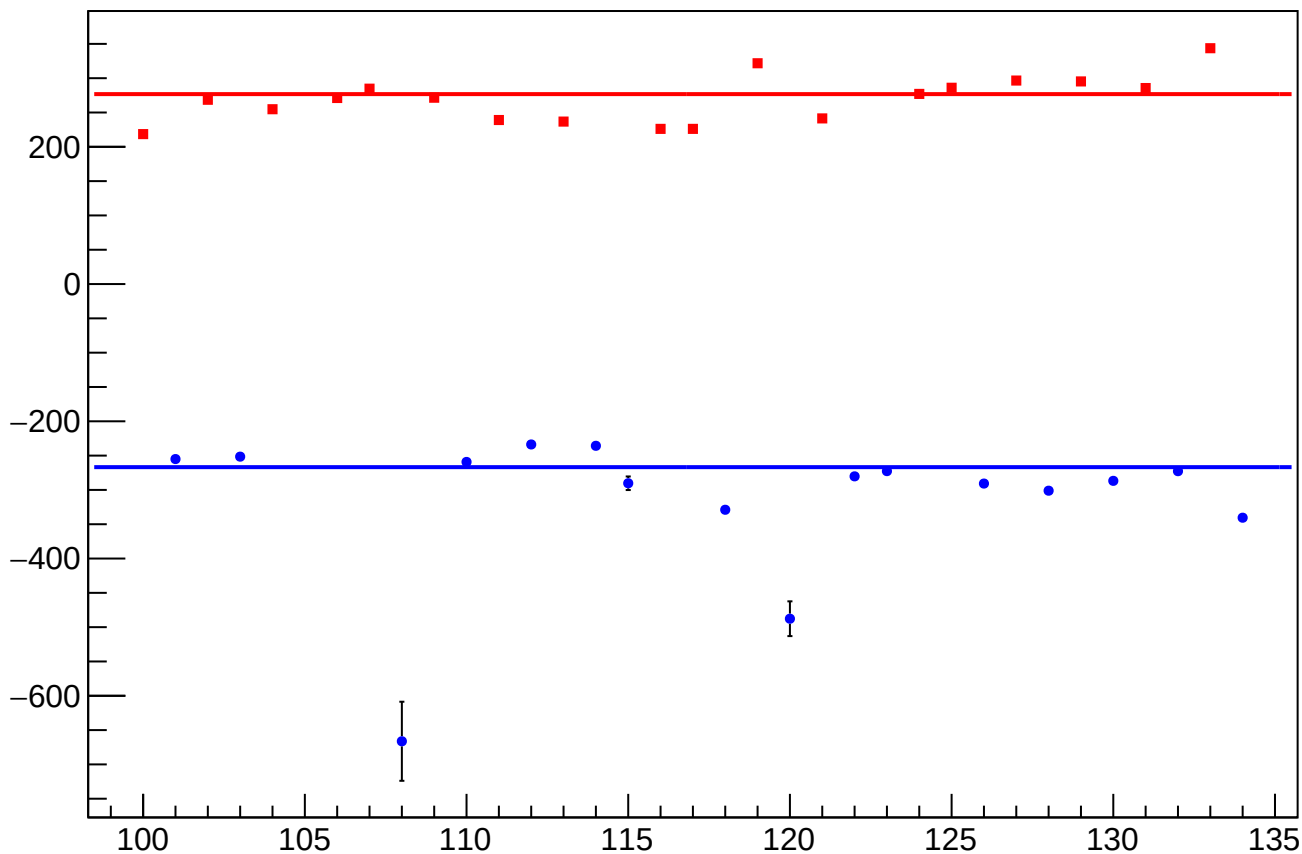
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

20.994+/-0.025  $\chi^2/\text{NDF}$ : 11987.1/14

-1.254+/-0.017  $\chi^2/\text{NDF}$ : 1525798.2/31

-20.978+/-0.024  $\chi^2/\text{NDF}$ : 19373.0/16

# dit\_usr\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-266.815 \pm 0.176$   $\chi^2/\text{NDF}$ : 30200.5/15

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

Right Out:  $276.797 \pm 0.152$   $\chi^2/\text{NDF}$ : 62839.2/17

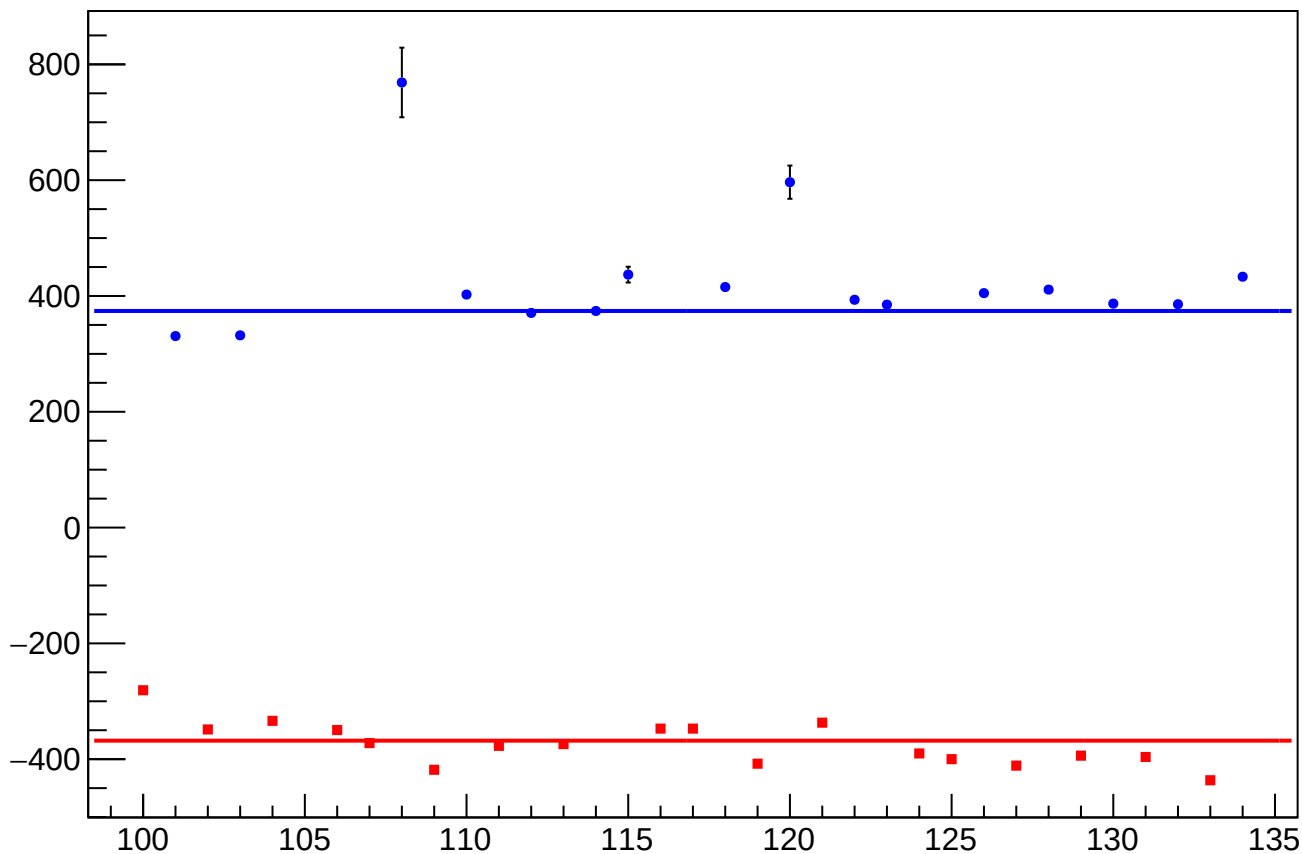
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-266.815 \pm 0.176$   $\chi^2/\text{NDF}$ : 30200.5/15

$44.797 \pm 0.115$   $\chi^2/\text{NDF}$ : 5574900.8/33

$276.797 \pm 0.152$   $\chi^2/\text{NDF}$ : 62839.2/17

# dit\_usr\_4eX\_slope vs Slug, Sign Corrected



Right In: 374.094+/-0.000  $\chi^2/\text{NDF}$ : 11708.7/15

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

Right Out: -368.029+/-0.163  $\chi^2/\text{NDF}$ : 90891.6/17

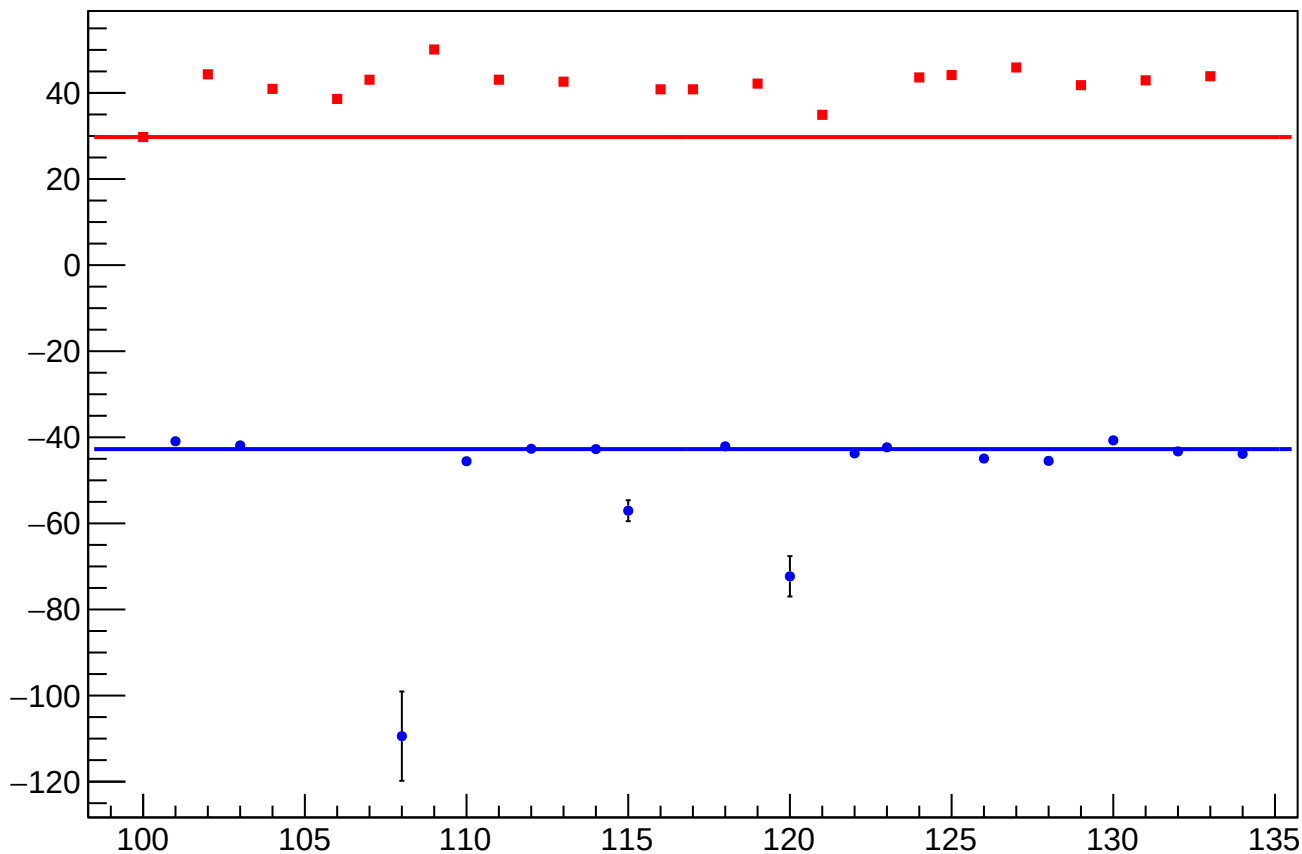
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

374.094+/-0.000  $\chi^2/\text{NDF}$ : 11708.7/15

374.094+/-0.000  $\chi^2/\text{NDF}$ : 20940408.9/33

-368.029+/-0.163  $\chi^2/\text{NDF}$ : 90891.6/17

# dit\_usr\_11X12X\_slope vs Slug, Sign Corrected



Right In: -42.744+/-0.000  $\chi^2/\text{NDF}$ : 3527.1/15

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

Right Out: 29.754+/-0.000  $\chi^2/\text{NDF}$ : 445872.9/17

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

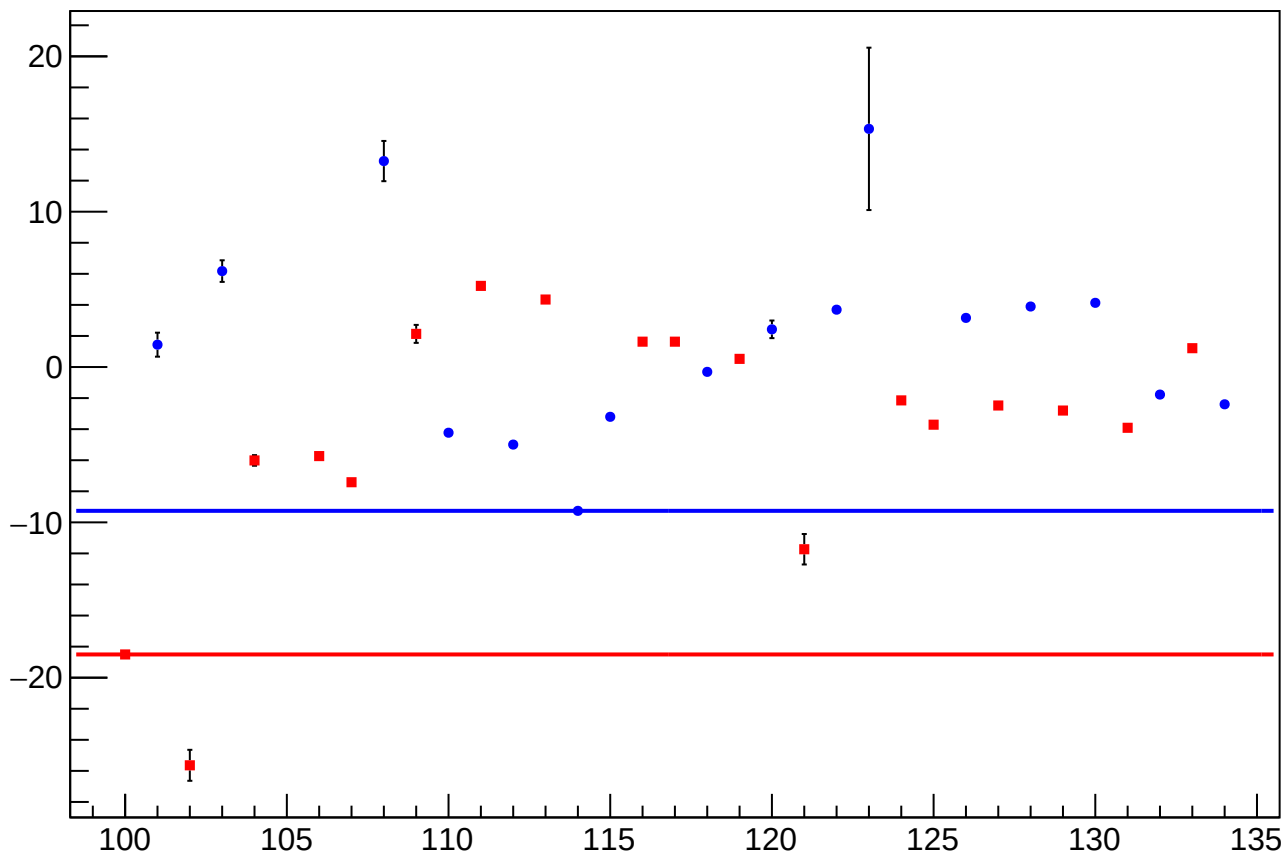
-42.744+/-0.000  $\chi^2/\text{NDF}$ : 3527.1/15

-17.157+/-0.000  $\chi^2/\text{NDF}$ : 404170008922

29.754+/-0.000  $\chi^2/\text{NDF}$ : 445872.9/17



# dit\_usr\_4aY\_slope vs Slug, Sign Corrected



Right In: -9.259+/-0.000  $\chi^2/\text{NDF}$ : 271646.5/15

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

Right Out: -18.504+/-0.000  $\chi^2/\text{NDF}$ : 2703330.2/17

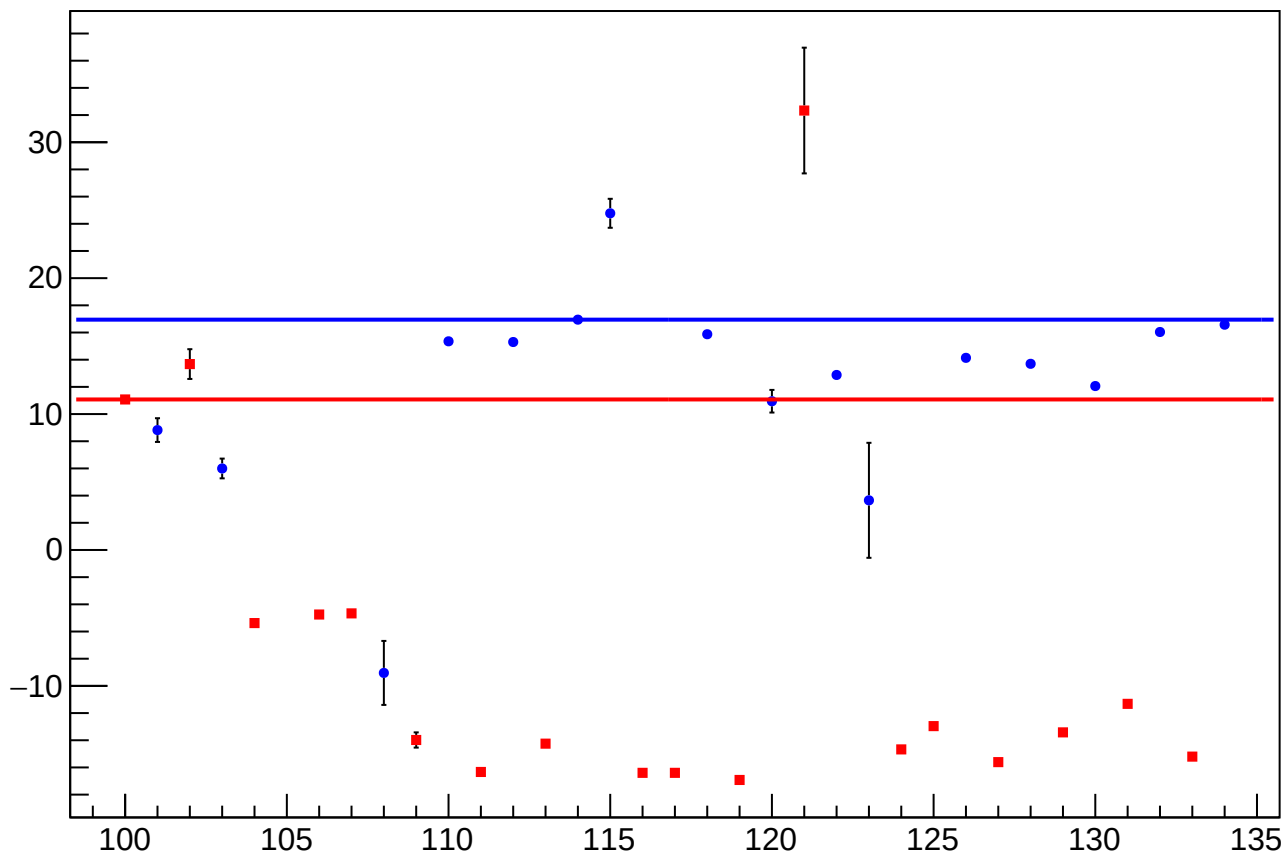
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9.259+/-0.000  $\chi^2/\text{NDF}$ : 271646.5/15

-14.353+/-0.000  $\chi^2/\text{NDF}$ : 182444479817

-18.504+/-0.000  $\chi^2/\text{NDF}$ : 2703330.2/17

# dit\_usr\_4eY\_slope vs Slug, Sign Corrected



Right In:  $16.947 \pm 0.000$   $\chi^2/\text{NDF}$ : 10617.0/15

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

Right Out:  $11.075 \pm 0.000$   $\chi^2/\text{NDF}$ : 2627012.2/17

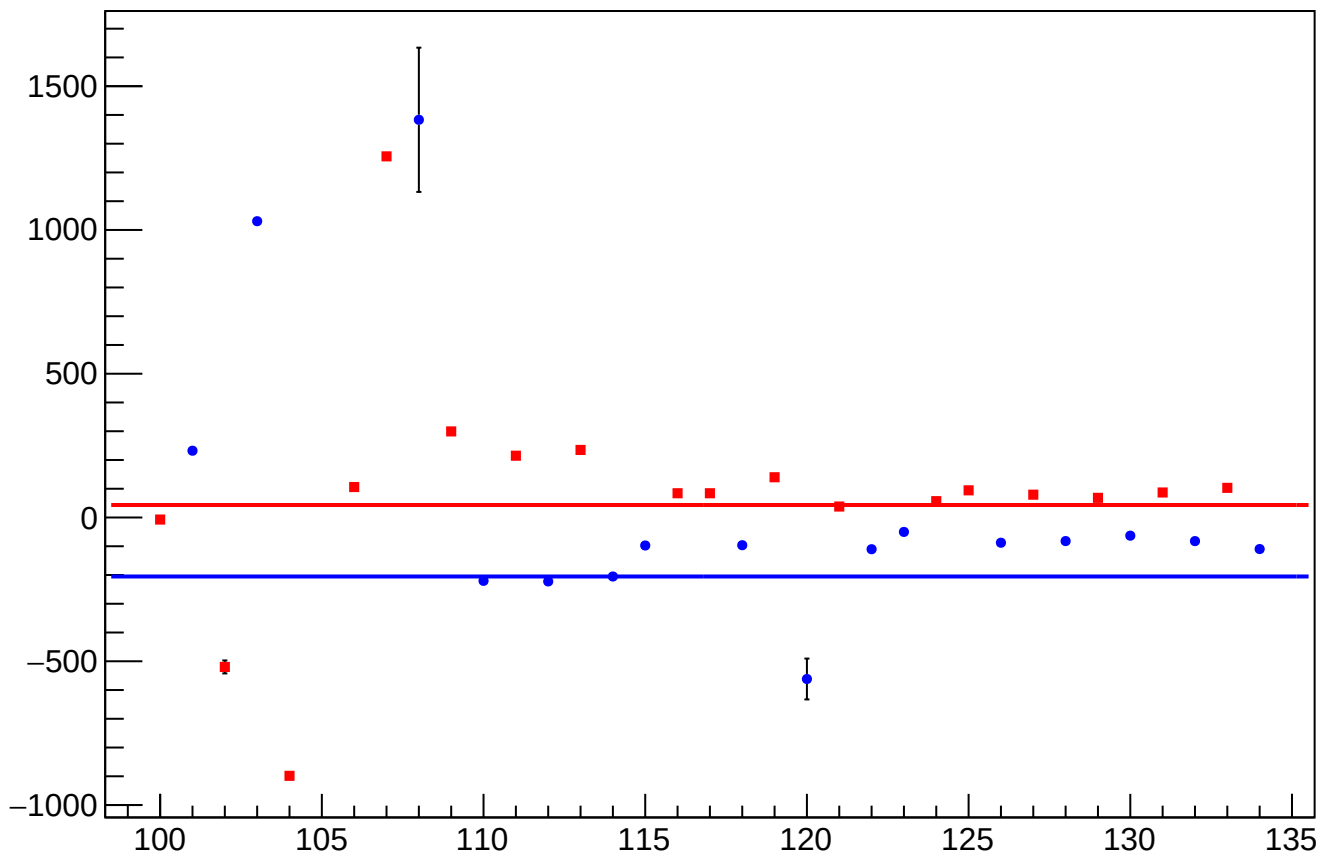
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$16.947 \pm 0.000$   $\chi^2/\text{NDF}$ : 10617.0/15

$12.920 \pm 0.000$   $\chi^2/\text{NDF}$ : 2060373135247

$11.075 \pm 0.000$   $\chi^2/\text{NDF}$ : 2627012.2/17

# dit\_atl1\_4aX\_slope vs Slug, Sign Corrected



Right In: -205.160+/-0.000  $\chi^2/\text{NDF}$ : 580192.9/15

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

Right Out: 43.419+/-0.297  $\chi^2/\text{NDF}$ : 89061.9/17

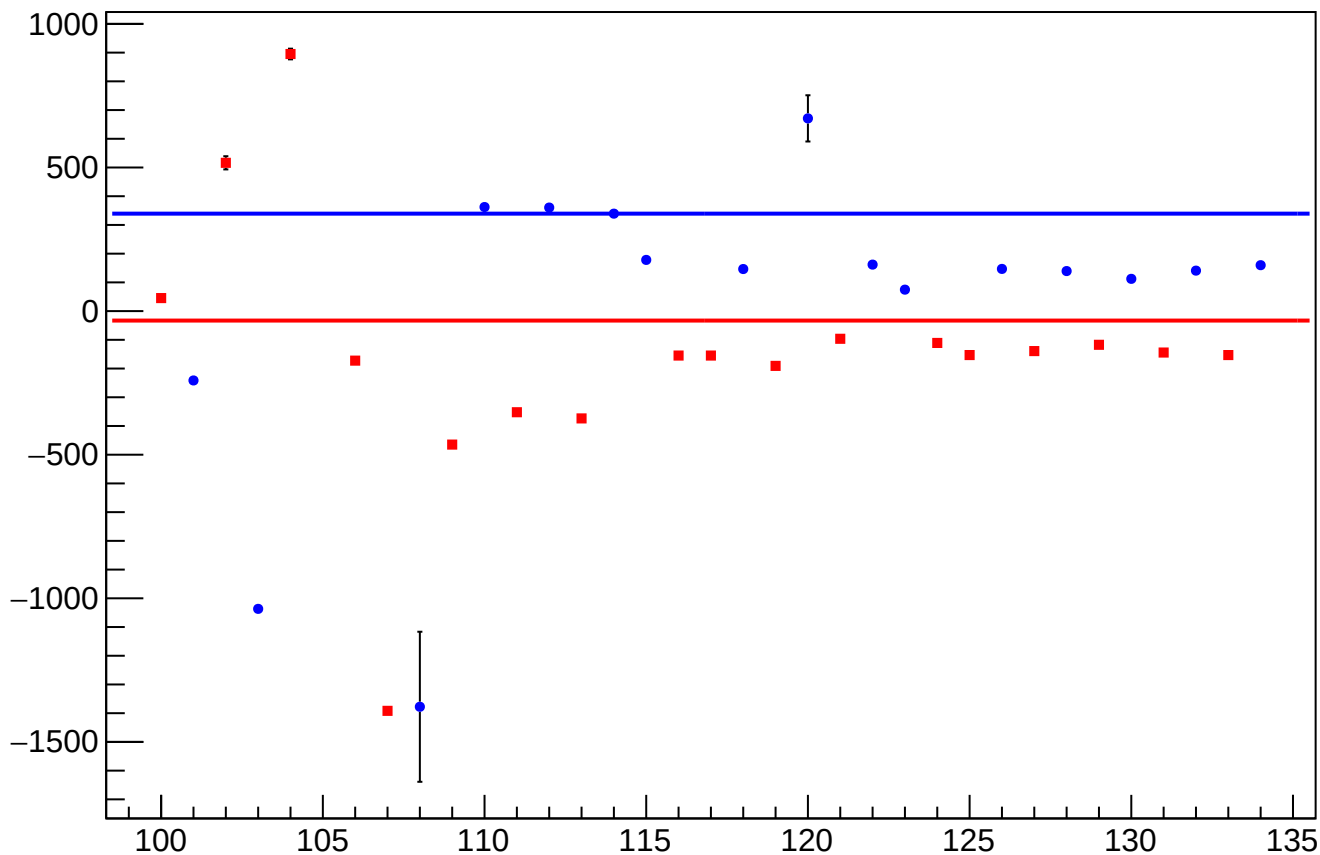
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-205.160+/-0.000  $\chi^2/\text{NDF}$ : 580192.9/15

-205.160+/-0.000  $\chi^2/\text{NDF}$ : 1370726.0/33

43.419+/-0.297  $\chi^2/\text{NDF}$ : 89061.9/17

# dit\_atl1\_4eX\_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000  $\chi^2/\text{NDF}$ : 1016231.1/15

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

Right Out: -32.952+/-0.310  $\chi^2/\text{NDF}$ : 186468.6/17

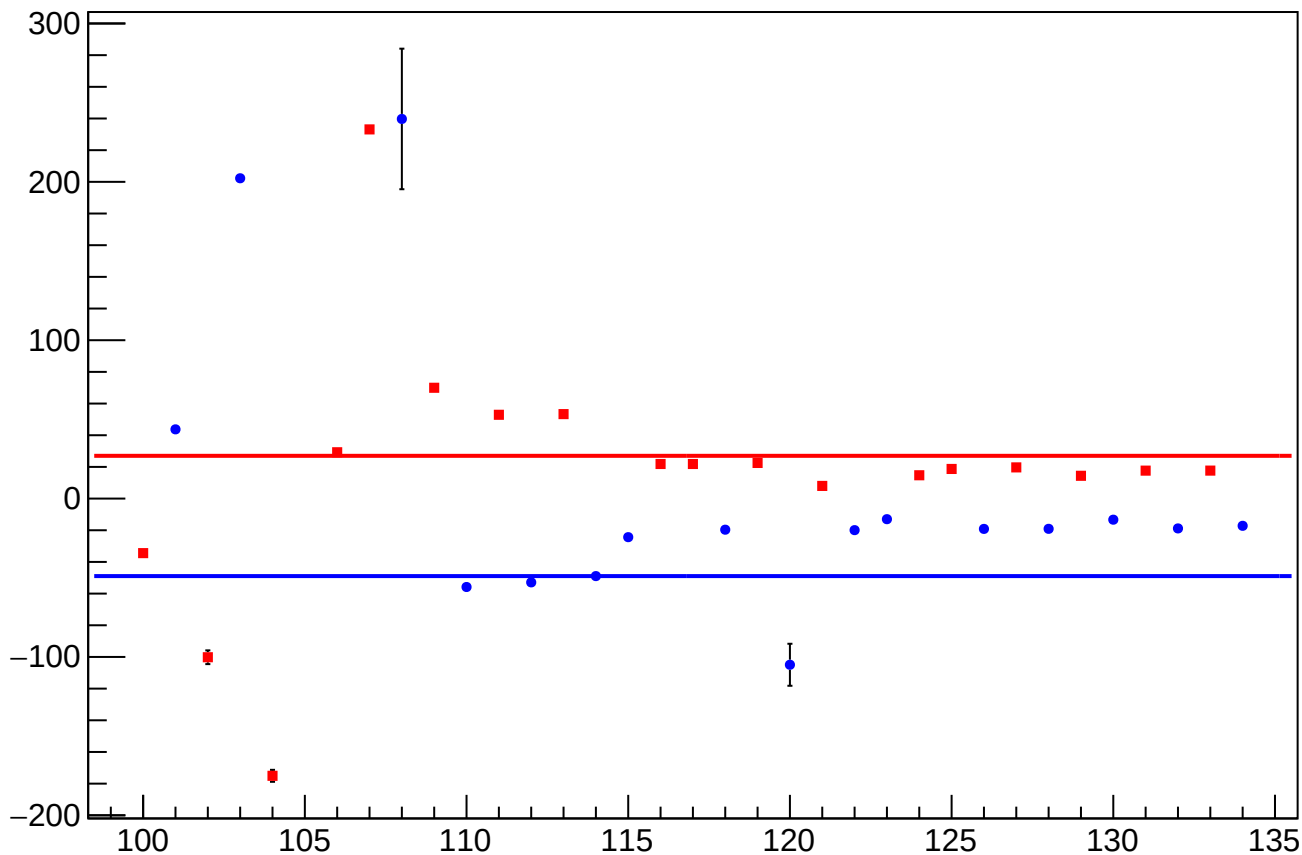
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

339.325+/-0.000  $\chi^2/\text{NDF}$ : 1016231.1/15

339.325+/-0.000  $\chi^2/\text{NDF}$ : 2644150.5/33

-32.952+/-0.310  $\chi^2/\text{NDF}$ : 186468.6/17

# dit\_atl1\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-48.945 \pm 0.000$   $\chi^2/\text{NDF}: 5288521.0/15$

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

Right Out:  $27.002 \pm 0.054$   $\chi^2/\text{NDF}: 167621.0/17$

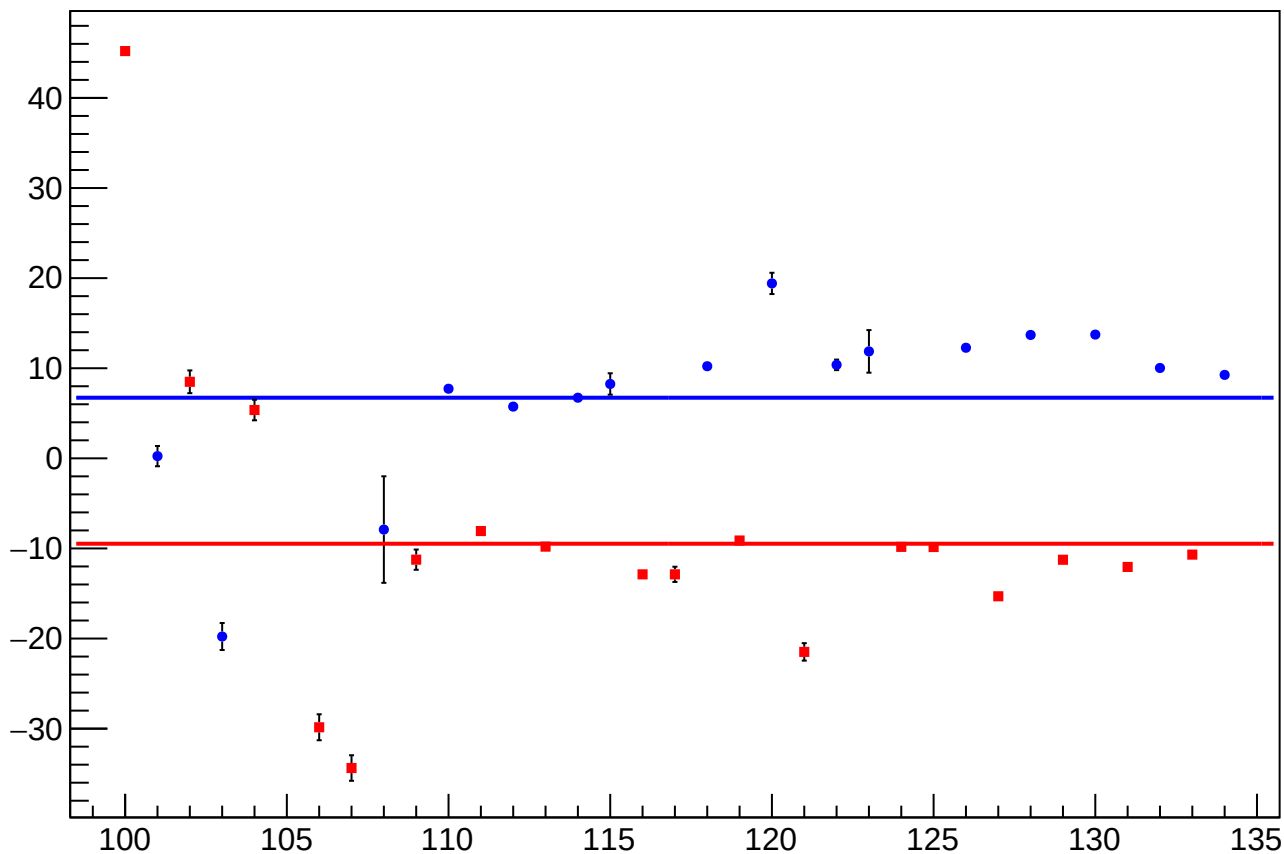
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-48.945 \pm 0.000$   $\chi^2/\text{NDF}: 5288521.0/15$

$-48.945 \pm 0.000$   $\chi^2/\text{NDF}: 7399015.5/33$

$27.002 \pm 0.054$   $\chi^2/\text{NDF}: 167621.0/17$

# dit\_atl1\_4aY\_slope vs Slug, Sign Corrected



Right In: 6.728+/-0.000  $\chi^2/\text{NDF}$ : 11083.6/15

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

Right Out: -9.477+/-0.037  $\chi^2/\text{NDF}$ : 26824.4/17

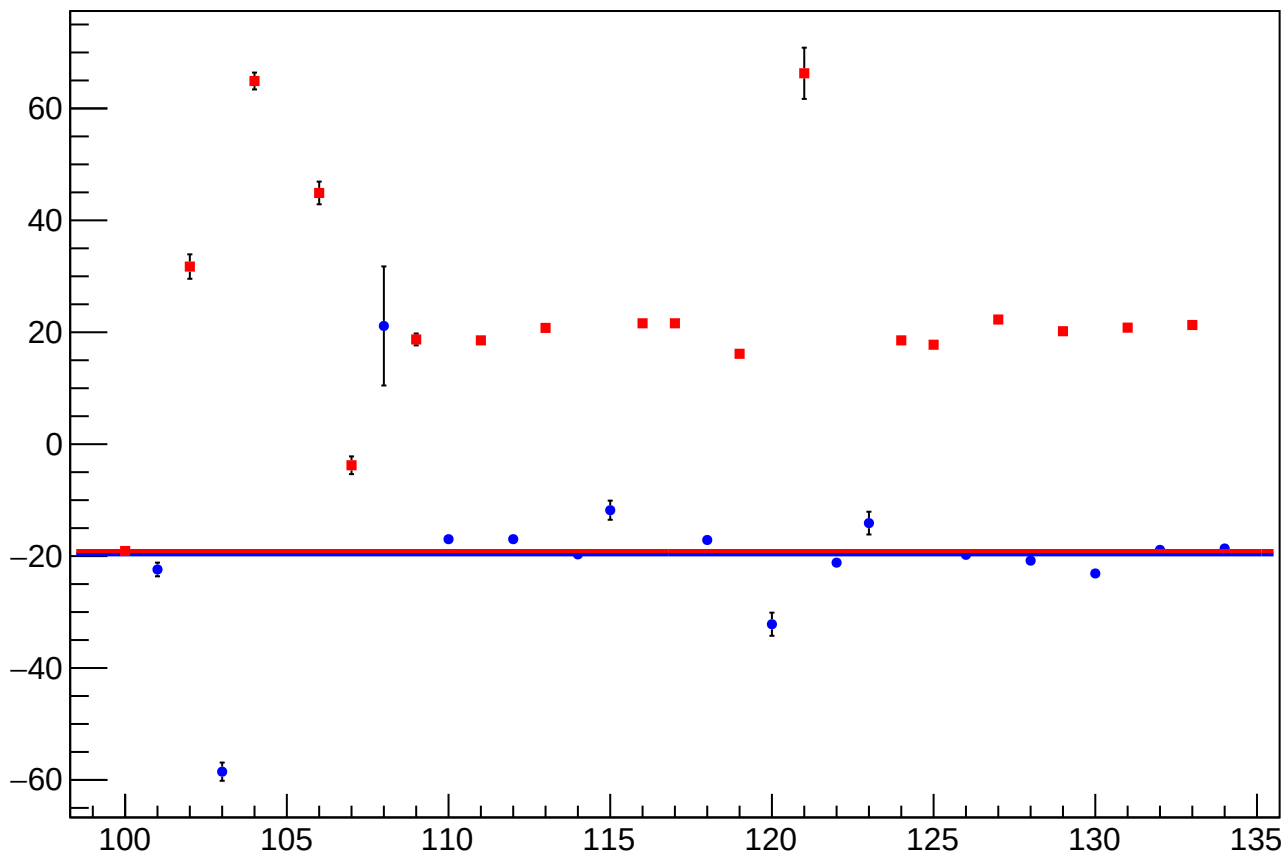
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.728+/-0.000  $\chi^2/\text{NDF}$ : 11083.6/15

6.728+/-0.000  $\chi^2/\text{NDF}$ : 232609.1/33

-9.477+/-0.037  $\chi^2/\text{NDF}$ : 26824.4/17

# dit\_atl1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-19.693 \pm 0.000$   $\chi^2/\text{NDF}: 4210.2/15$

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

Right Out:  $-19.086 \pm 0.000$   $\chi^2/\text{NDF}: 567670.8/17$

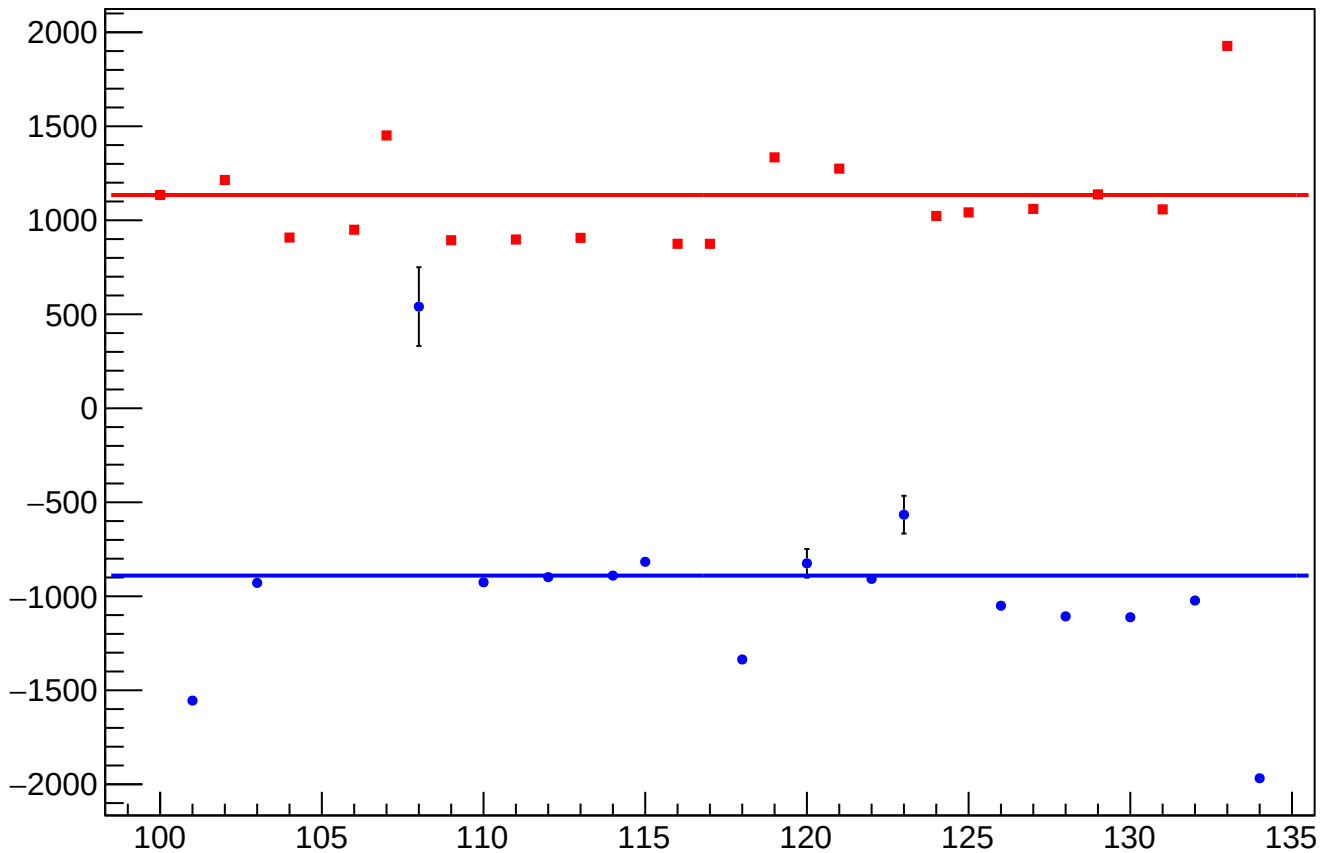
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-19.693 \pm 0.000$   $\chi^2/\text{NDF}: 4210.2/15$

$-19.479 \pm 0.000$   $\chi^2/\text{NDF}: 113264166208$

$-19.086 \pm 0.000$   $\chi^2/\text{NDF}: 567670.8/17$

dit\_atl2\_4aX\_slope vs Slug, Sign Corrected



Right In: -889.928+/-0.000     $\chi^2/\text{NDF}$ : 296615.4/15

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

Right Out: 1134.421+/-0.000     $\chi^2/\text{NDF}$ : 665887.3/17

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

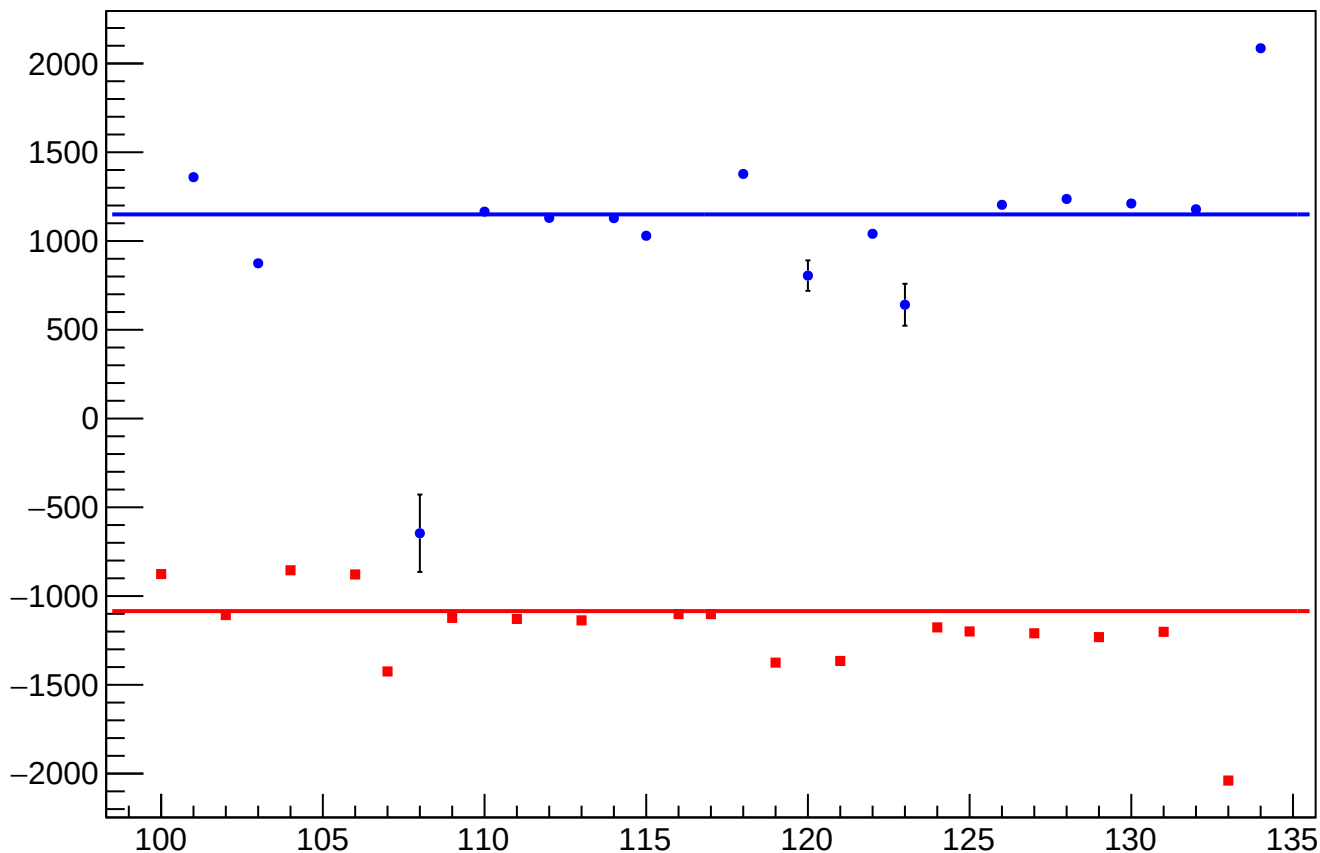
-889.928+/-0.000     $\chi^2/\text{NDF}$ : 296615.4/15

-175.452+/-0.000     $\chi^2/\text{NDF}$ : 307741229412

1134.421+/-0.000     $\chi^2/\text{NDF}$ : 665887.3/17



# dit\_atl2\_4eX\_slope vs Slug, Sign Corrected



Right In:  $1149.980 \pm 0.248$   $\chi^2/\text{NDF}$ : 141659.6/15

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

Right Out:  $-1084.673 \pm 0.254$   $\chi^2/\text{NDF}$ : 1009058.6/17

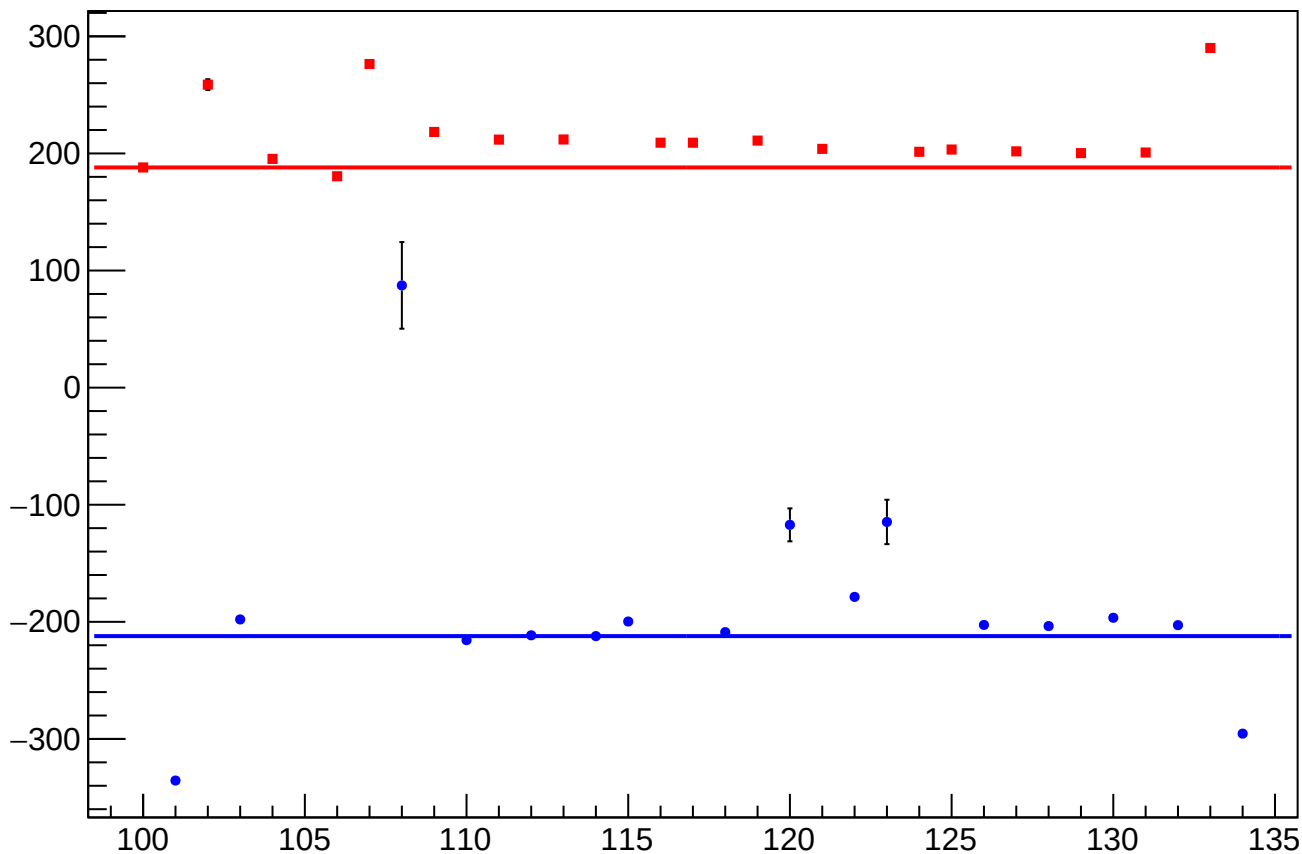
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$1149.980 \pm 0.248$   $\chi^2/\text{NDF}$ : 141659.6/15

$59.388 \pm 0.177$   $\chi^2/\text{NDF}$ : 40821830.2/33

$-1084.673 \pm 0.254$   $\chi^2/\text{NDF}$ : 1009058.6/17

# dit\_atl2\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-212.190 \pm 0.000$   $\chi^2/\text{NDF}: 373851.8/15$

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

Right Out:  $188.033 \pm 0.000$   $\chi^2/\text{NDF}: 411683.6/17$

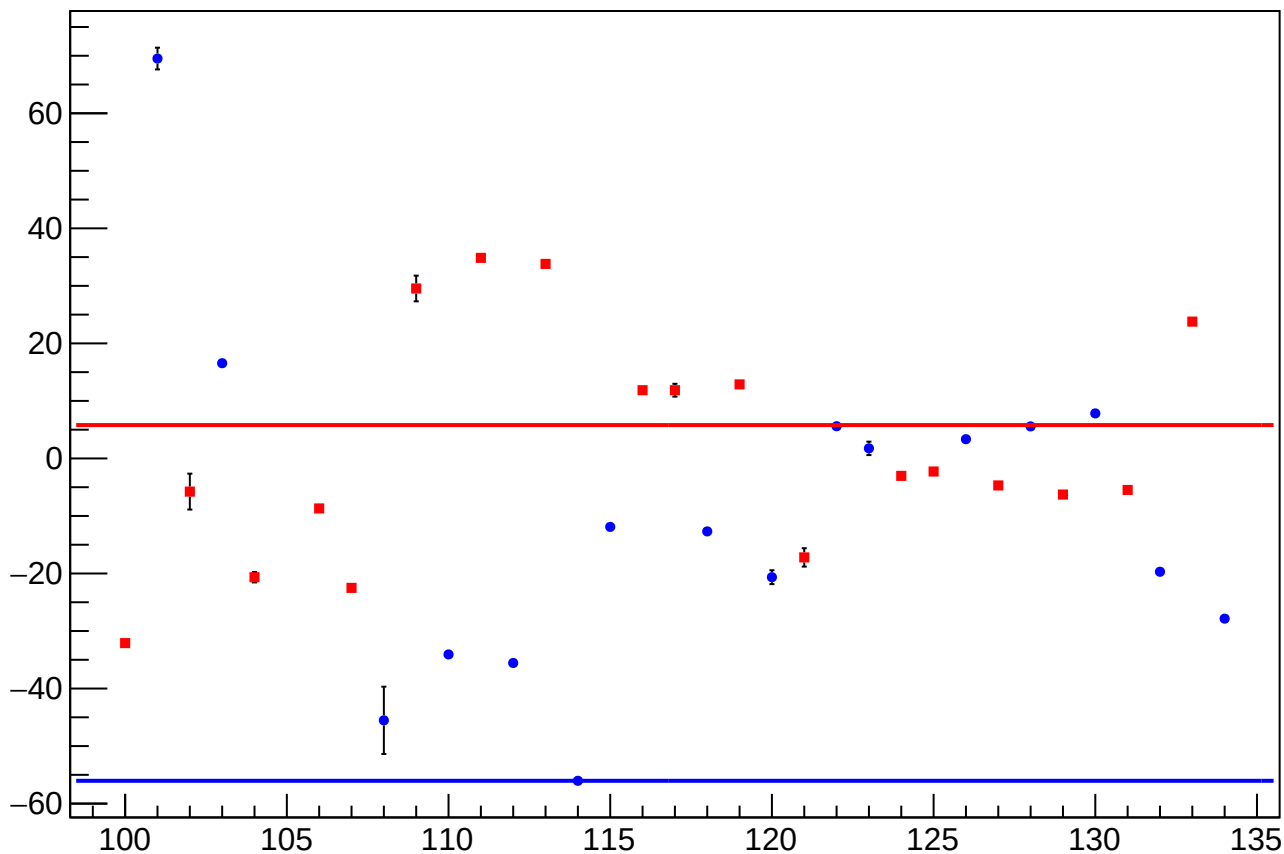
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-212.190 \pm 0.000$   $\chi^2/\text{NDF}: 373851.8/15$

$62.249 \pm 0.000$   $\chi^2/\text{NDF}: 3739212703286$

$188.033 \pm 0.000$   $\chi^2/\text{NDF}: 411683.6/17$

# dit\_atl2\_4aY\_slope vs Slug, Sign Corrected



Right In: -56.037 $\pm$ 0.000  $\chi^2$ /NDF: 1532166.5/15

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

Right Out: 5.801 $\pm$ 0.043  $\chi^2$ /NDF: 147047.5/17

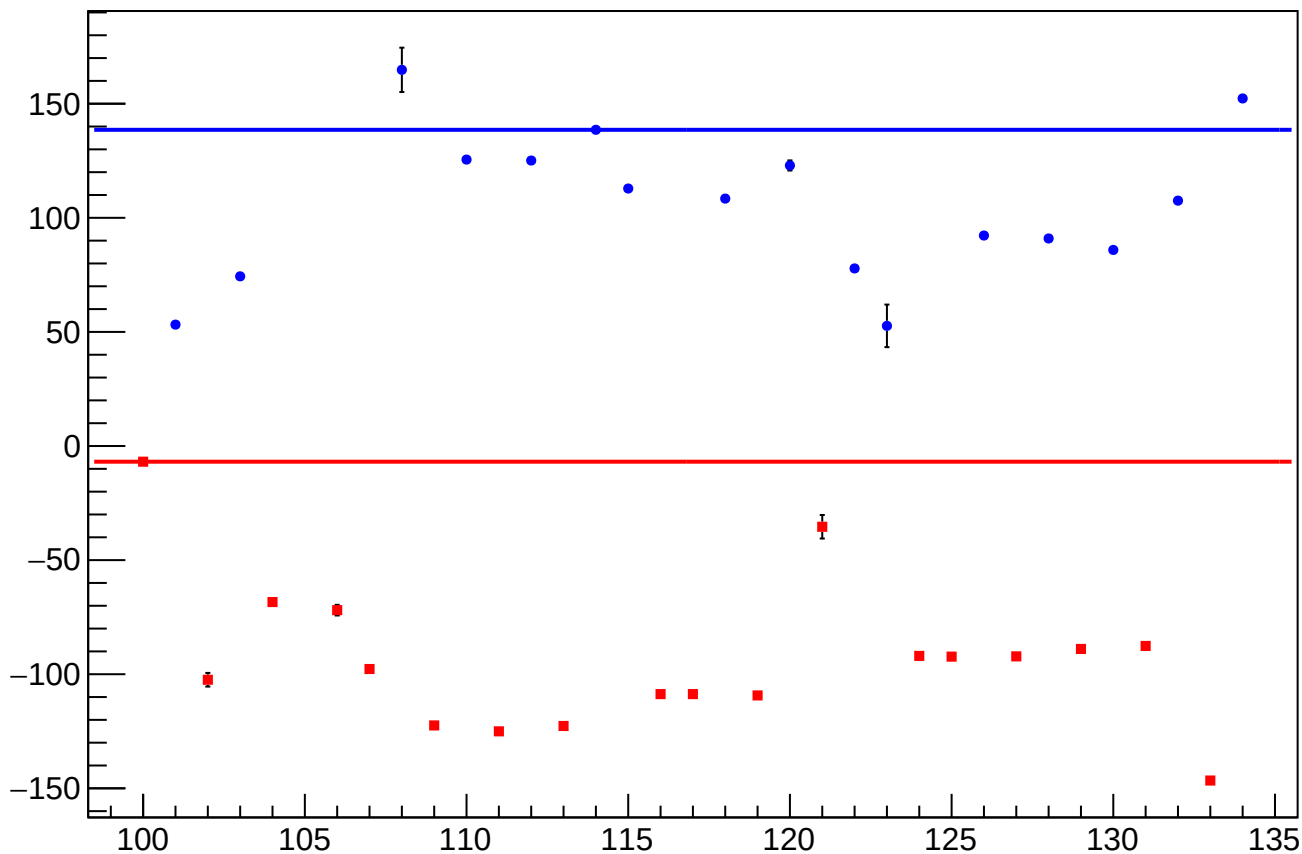
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-56.037 $\pm$ 0.000  $\chi^2$ /NDF: 1532166.5/15

-56.037 $\pm$ 0.000  $\chi^2$ /NDF: 3711380.0/33

5.801 $\pm$ 0.043  $\chi^2$ /NDF: 147047.5/17

dit\_atl2\_4eY\_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000  $\chi^2$ /NDF: 815559.2/15

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

Right Out: -6.866 $\pm$ 0.000  $\chi^2$ /NDF: 7756212.8/17

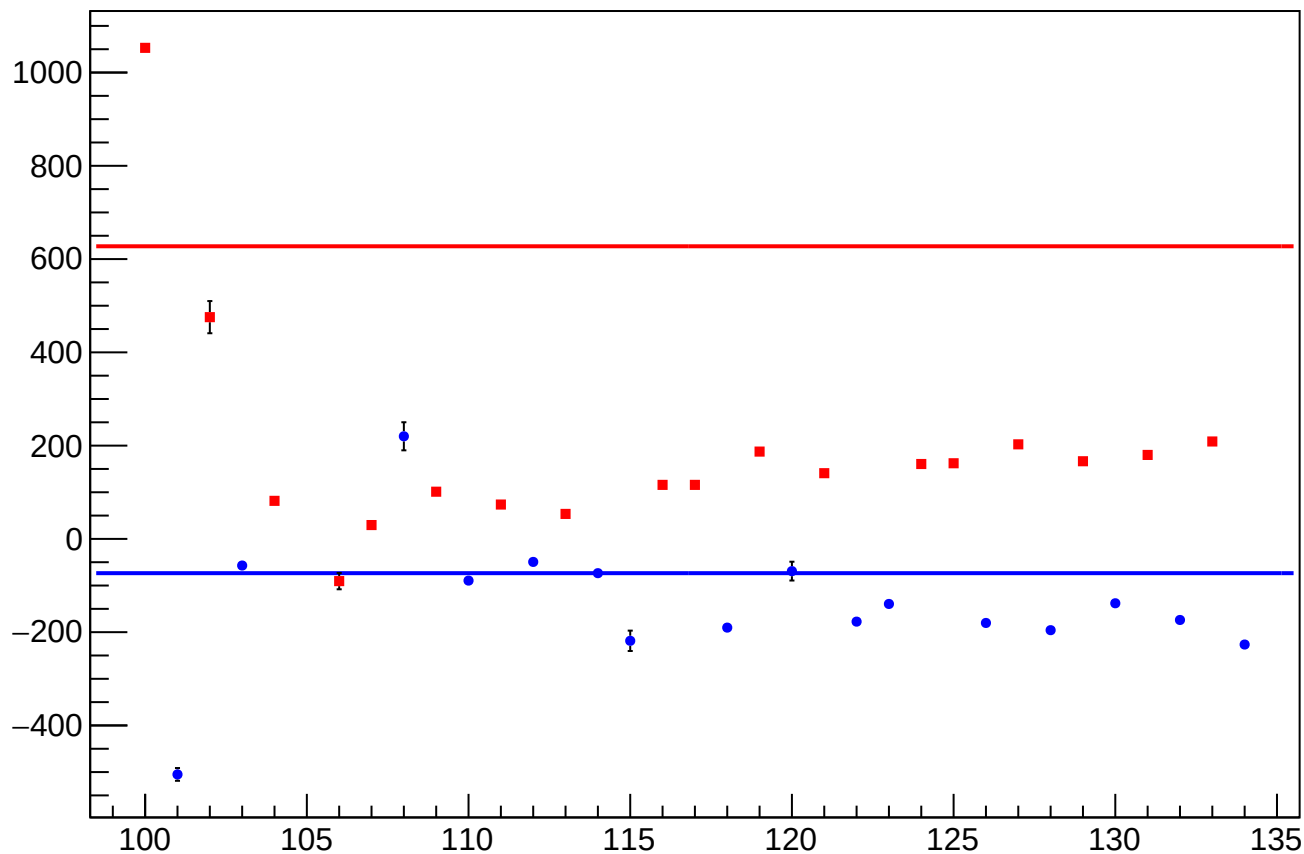
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

138.565 $\pm$ 0.000  $\chi^2$ /NDF: 815559.2/15

-6.606 $\pm$ 0.000  $\chi^2$ /NDF: 2874933987256

-6.866 $\pm$ 0.000  $\chi^2$ /NDF: 7756212.8/17

# dit\_atr1\_4aX\_slope vs Slug, Sign Corrected



Right In: -73.485+/-0.000  $\chi^2/\text{NDF}$ : 67633.6/15

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

Right Out: 627.446+/-0.279  $\chi^2/\text{NDF}$ : 2802434.1/17

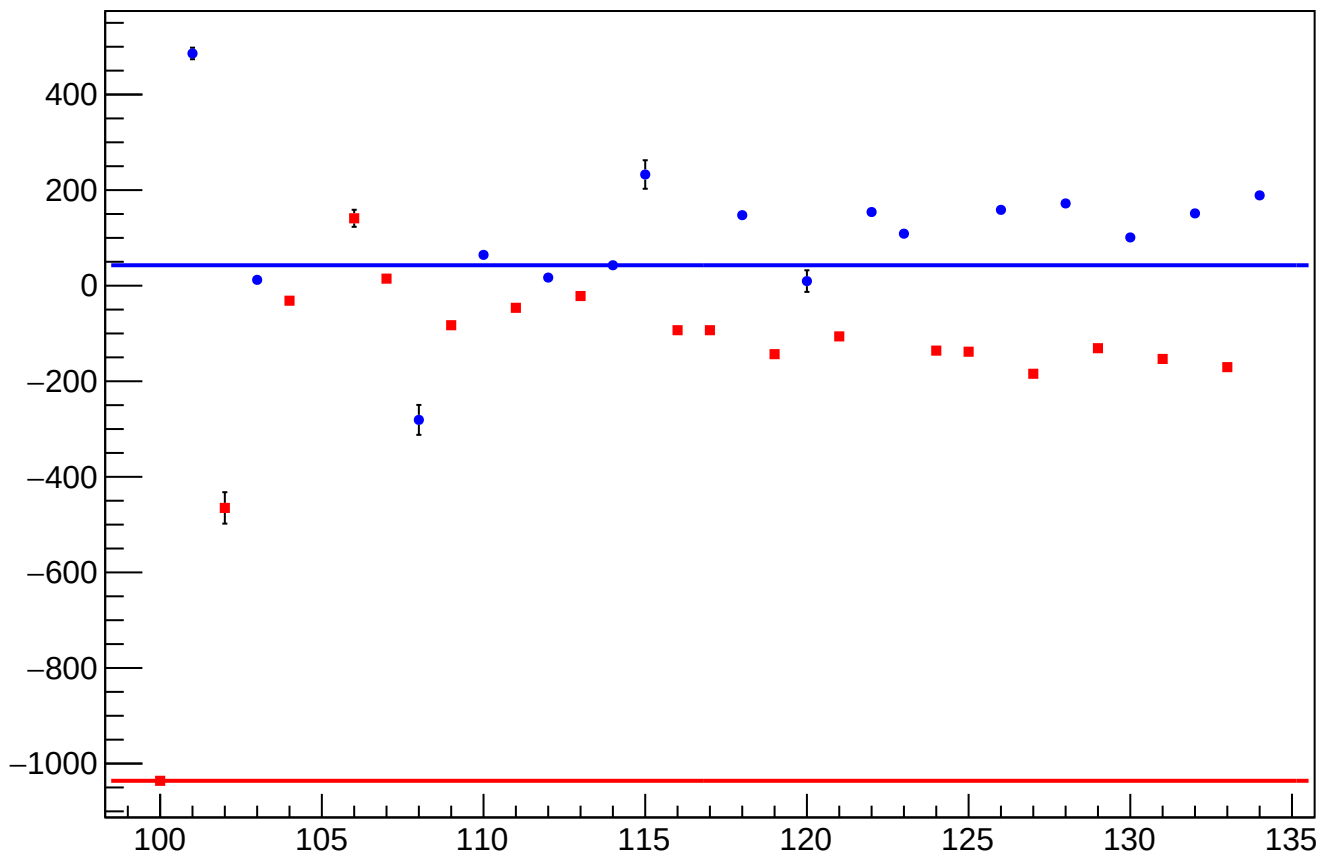
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-73.485+/-0.000  $\chi^2/\text{NDF}$ : 67633.6/15

-73.485+/-0.000  $\chi^2/\text{NDF}$ : 9185731.0/33

627.446+/-0.279  $\chi^2/\text{NDF}$ : 2802434.1/17

# dit\_atr1\_4eX\_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000  $\chi^2/\text{NDF}$ : 56675.1/15

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

Right Out: -1036.068+/-0.000  $\chi^2/\text{NDF}$ : 4123769.9/17

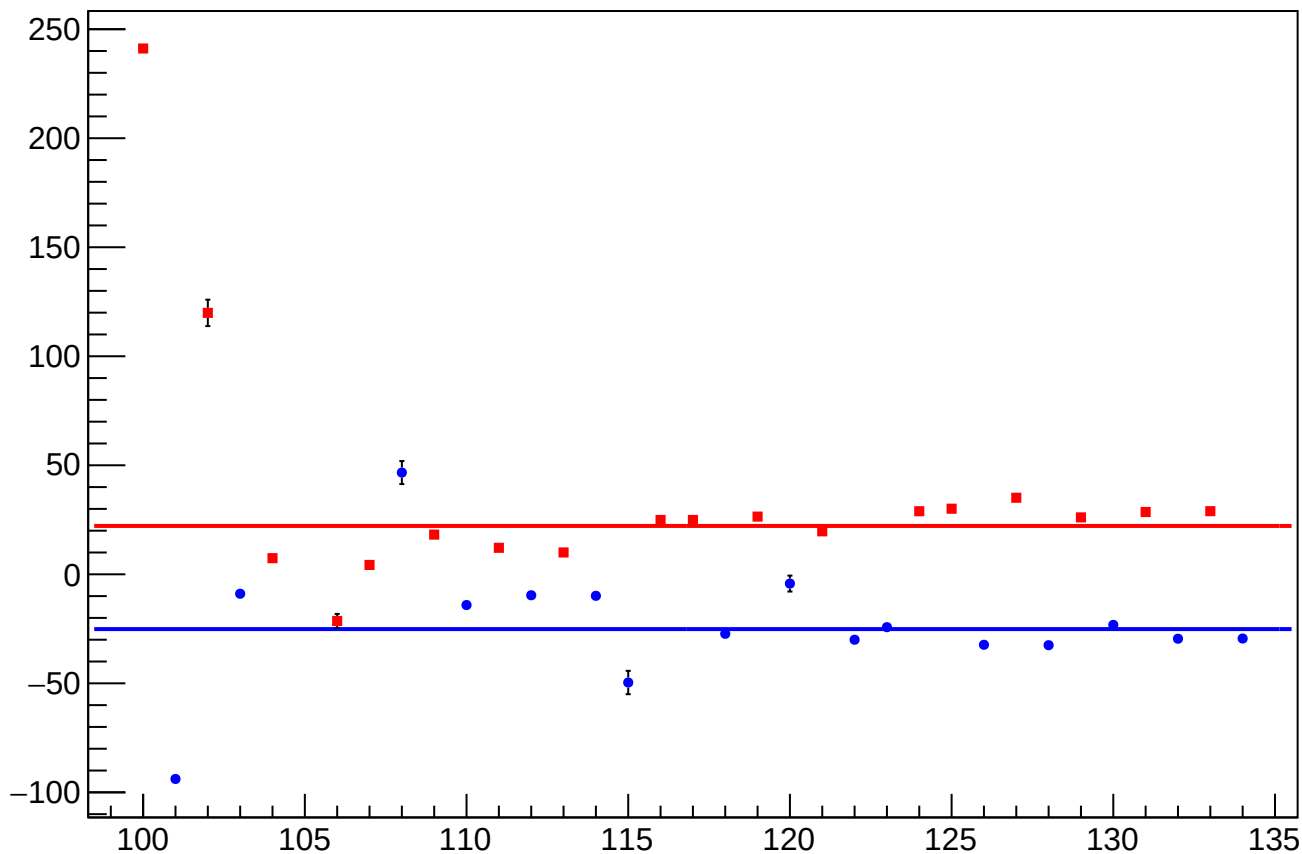
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

42.743+/-0.000  $\chi^2/\text{NDF}$ : 56675.1/15

42.169+/-0.000  $\chi^2/\text{NDF}$ : 1349990775639

-1036.068+/-0.000  $\chi^2/\text{NDF}$ : 4123769.9/17

# dit\_atr1\_11X12X\_slope vs Slug, Sign Corrected



Right In: -25.126 $\pm$ 0.045  $\chi^2$ /NDF: 32695.7/15

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

Right Out: 22.187 $\pm$ 0.039  $\chi^2$ /NDF: 404972.3/17

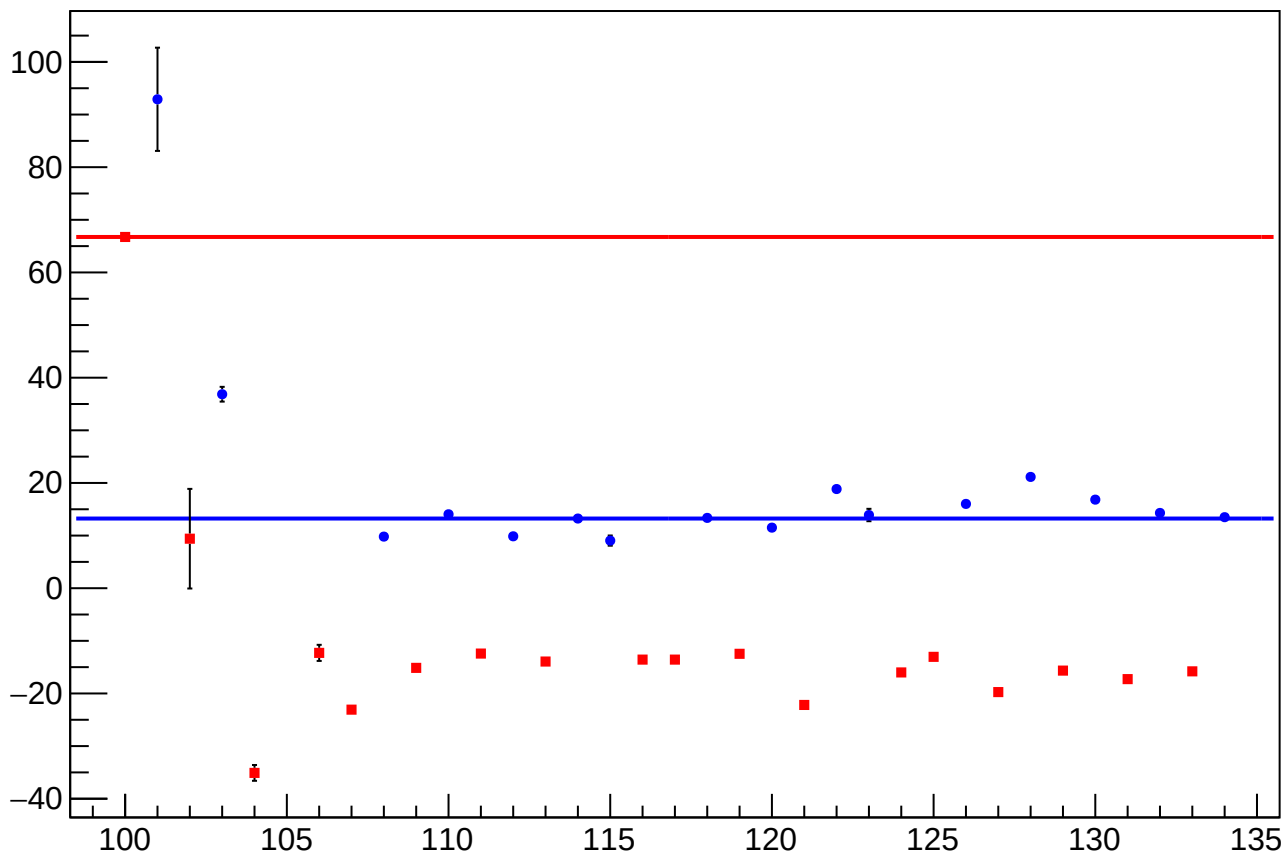
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-25.126 $\pm$ 0.045  $\chi^2$ /NDF: 32695.7/15

2.011 $\pm$ 0.029  $\chi^2$ /NDF: 1073400.4/33

22.187 $\pm$ 0.039  $\chi^2$ /NDF: 404972.3/17

# dit\_atr1\_4aY\_slope vs Slug, Sign Corrected



Right In: 13.238+/-0.000  $\chi^2/\text{NDF}$ : 5436.1/15

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

Right Out: 66.739+/-0.000  $\chi^2/\text{NDF}$ : 1900022.6/17

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

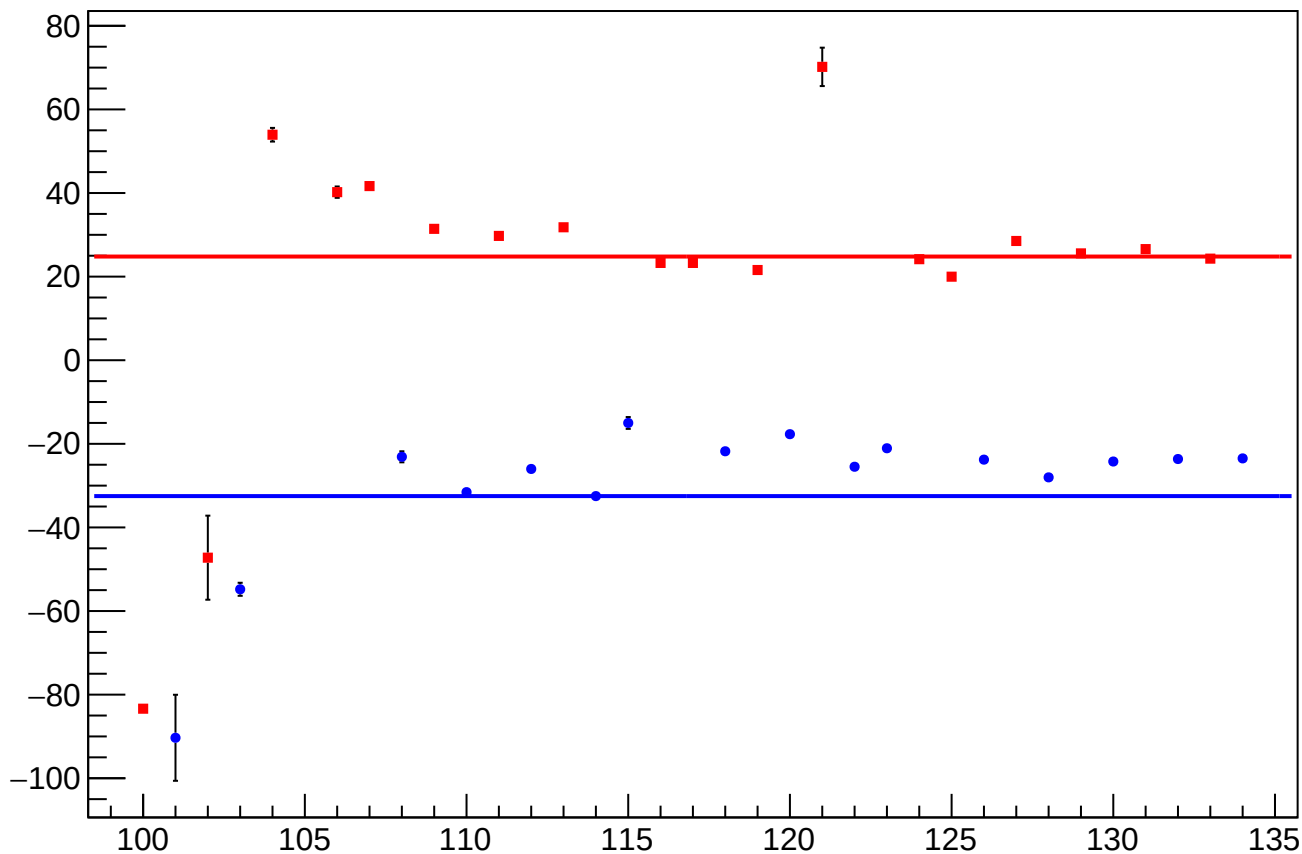
13.238+/-0.000  $\chi^2/\text{NDF}$ : 5436.1/15

13.690+/-0.000  $\chi^2/\text{NDF}$ : 8432486222043

66.739+/-0.000  $\chi^2/\text{NDF}$ : 1900022.6/17



# dit\_atr1\_4eY\_slope vs Slug, Sign Corrected



Right In: -32.504 $\pm$ 0.000  $\chi^2$ /NDF: 37726.0/15

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

Right Out: 24.803 $\pm$ 0.055  $\chi^2$ /NDF: 87405.3/17

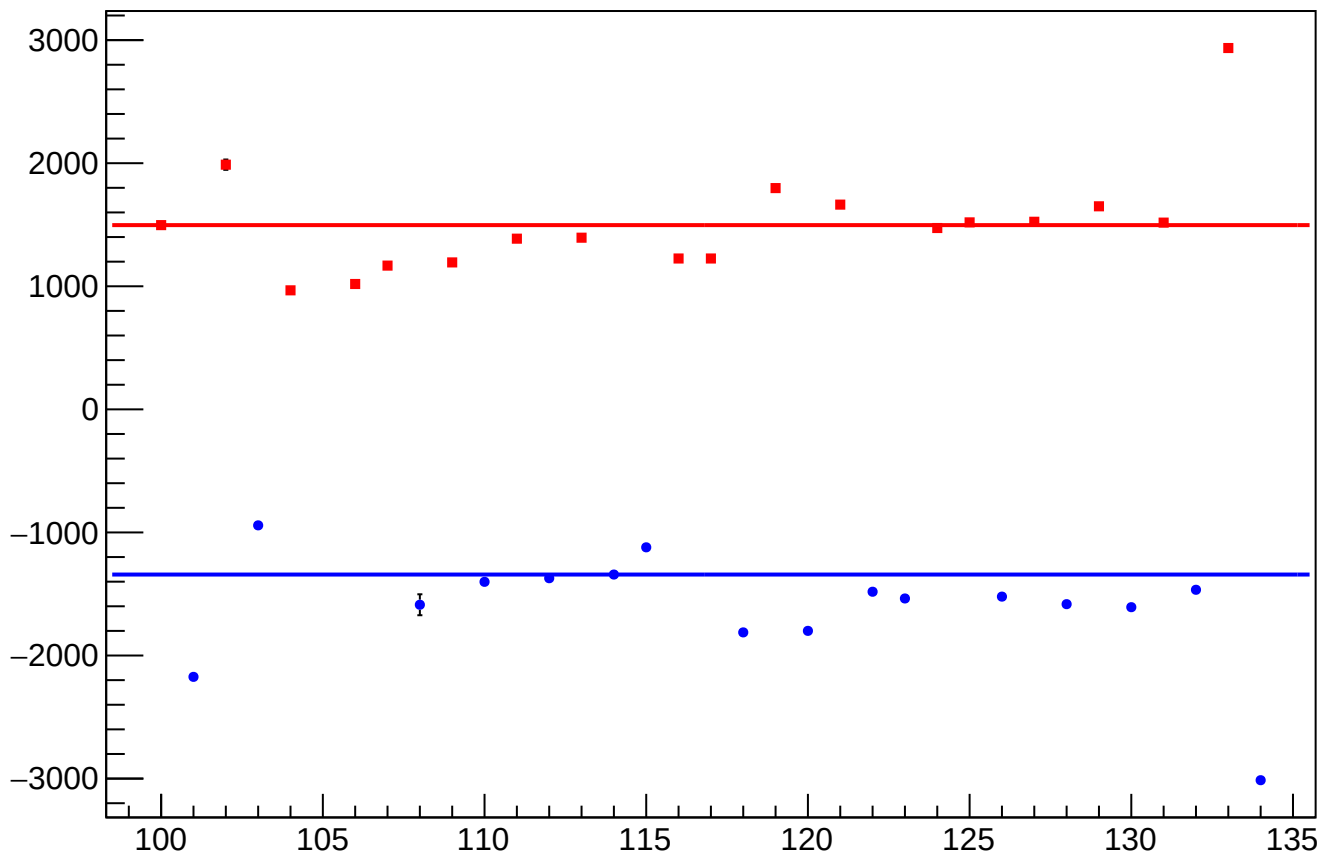
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-32.504 $\pm$ 0.000  $\chi^2$ /NDF: 37726.0/15

-32.504 $\pm$ 0.000  $\chi^2$ /NDF: 1192100.7/33

24.803 $\pm$ 0.055  $\chi^2$ /NDF: 87405.3/17

# dit\_atr2\_4aX\_slope vs Slug, Sign Corrected



Right In: -1342.107+/-0.000  $\chi^2/\text{NDF}$ : 259919.1/15

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

Right Out: 1496.932+/-0.000  $\chi^2/\text{NDF}$ : 424621.6/17

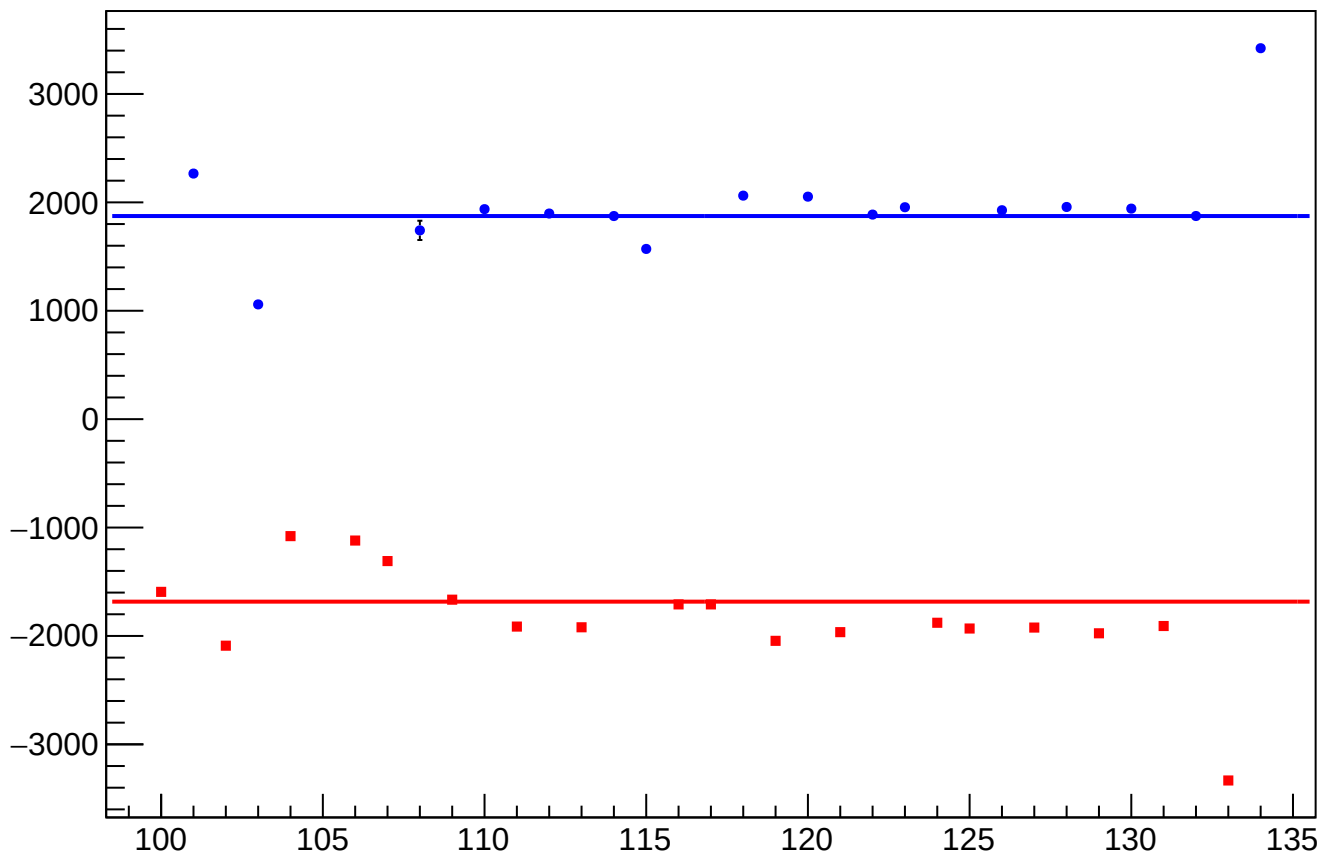
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1342.107+/-0.000  $\chi^2/\text{NDF}$ : 259919.1/15

-340.094+/-0.000  $\chi^2/\text{NDF}$ : 60528151856

1496.932+/-0.000  $\chi^2/\text{NDF}$ : 424621.6/17

# dit\_atr2\_4eX\_slope vs Slug, Sign Corrected



Right In: 1873.852 $\pm$ 0.000  $\chi^2$ /NDF: 162337.5/15

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

Right Out: -1683.575 $\pm$ 0.309  $\chi^2$ /NDF: 702318.2/17

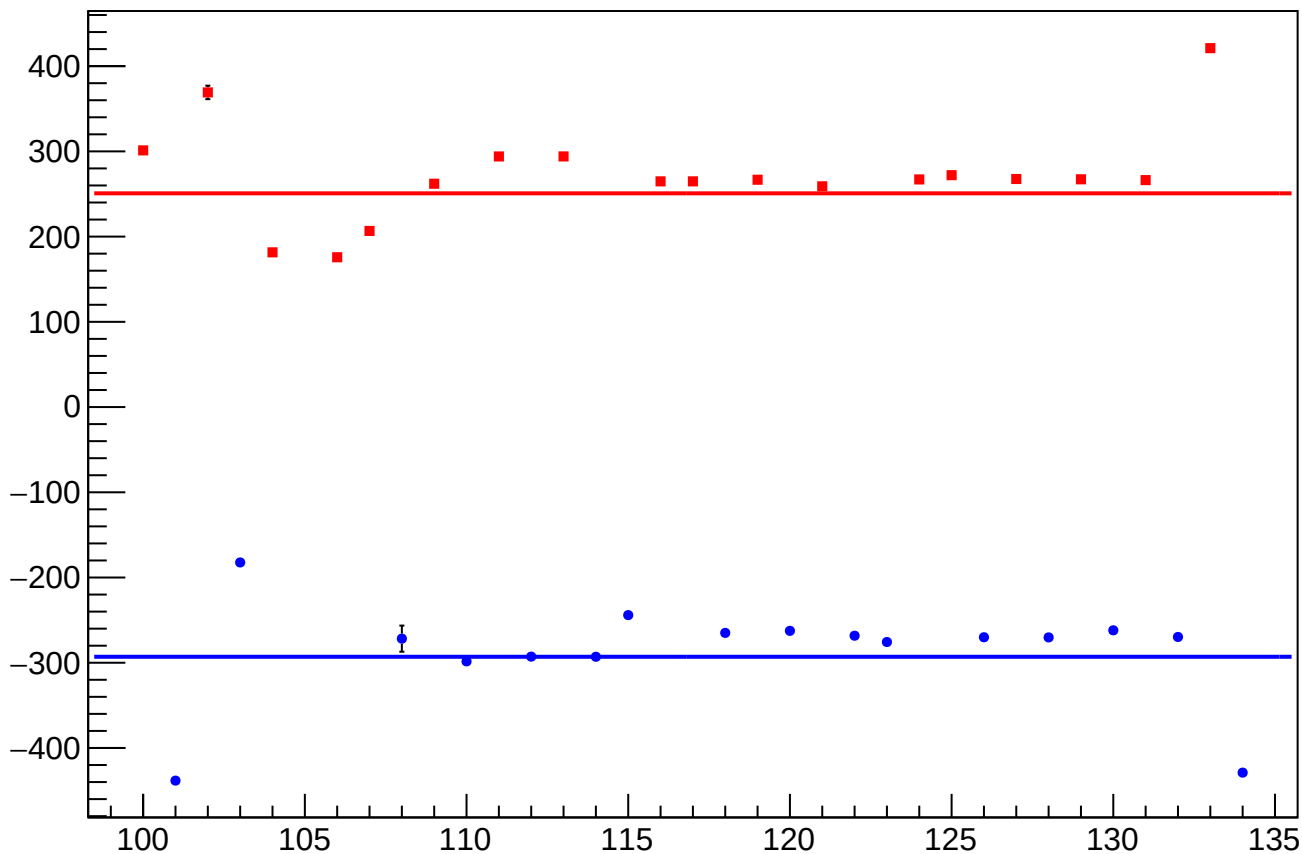
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1873.852 $\pm$ 0.000  $\chi^2$ /NDF: 162337.5/15

1873.852 $\pm$ 0.000  $\chi^2$ /NDF: 133573201.5/15

-1683.575 $\pm$ 0.309  $\chi^2$ /NDF: 702318.2/17

# dit\_atr2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -292.986+/-0.000  $\chi^2/\text{NDF}$ : 995063.6/15

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

Right Out: 250.770+/-0.063  $\chi^2/\text{NDF}$ : 481576.6/17

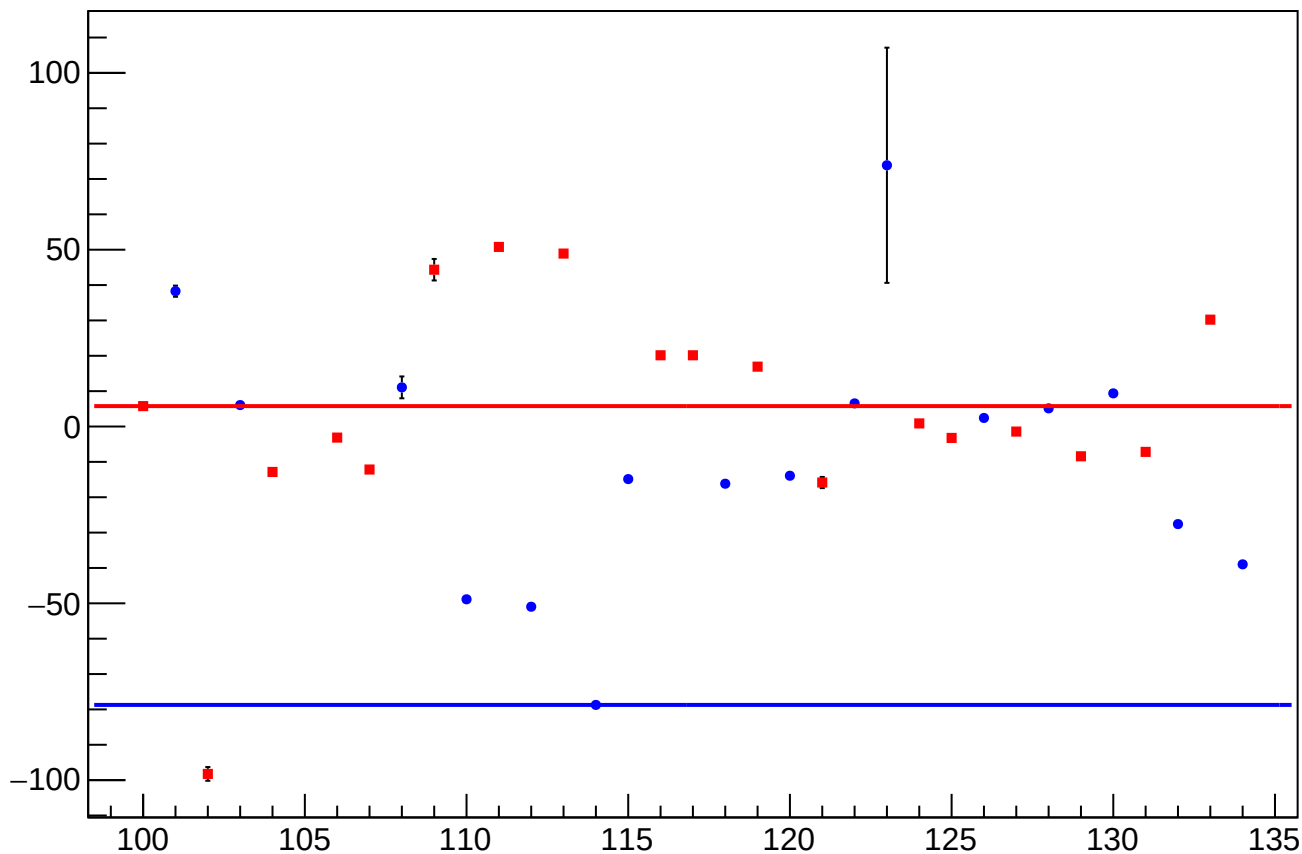
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-292.986+/-0.000  $\chi^2/\text{NDF}$ : 995063.6/15

-292.986+/-0.000  $\chi^2/\text{NDF}$ : 75155344.5/3

250.770+/-0.063  $\chi^2/\text{NDF}$ : 481576.6/17

# dit\_atr2\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-78.728 \pm 0.000$   $\chi^2/\text{NDF}$ : 1166752.4/15

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

Right Out:  $5.769 \pm 0.000$   $\chi^2/\text{NDF}$ : 61598.7/17

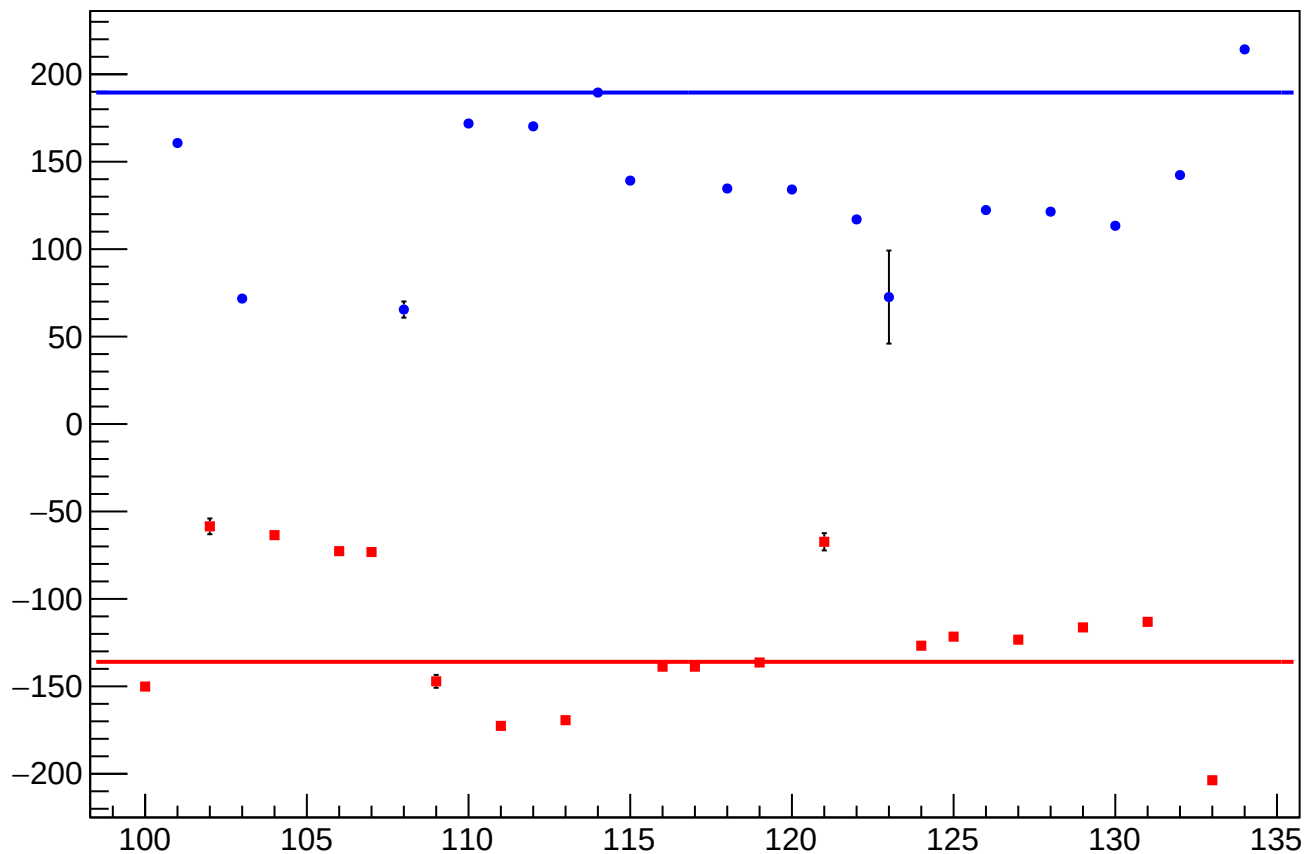
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-78.728 \pm 0.000$   $\chi^2/\text{NDF}$ : 1166752.4/15

$5.169 \pm 0.000$   $\chi^2/\text{NDF}$ : 38614083696031

$5.769 \pm 0.000$   $\chi^2/\text{NDF}$ : 61598.7/17

# dit\_atr2\_4eY\_slope vs Slug, Sign Corrected



Right In: 189.551 $\pm$ 0.000  $\chi^2$ /NDF: 731158.9/15

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

Right Out: -135.978 $\pm$ 0.075  $\chi^2$ /NDF: 114432.0/17

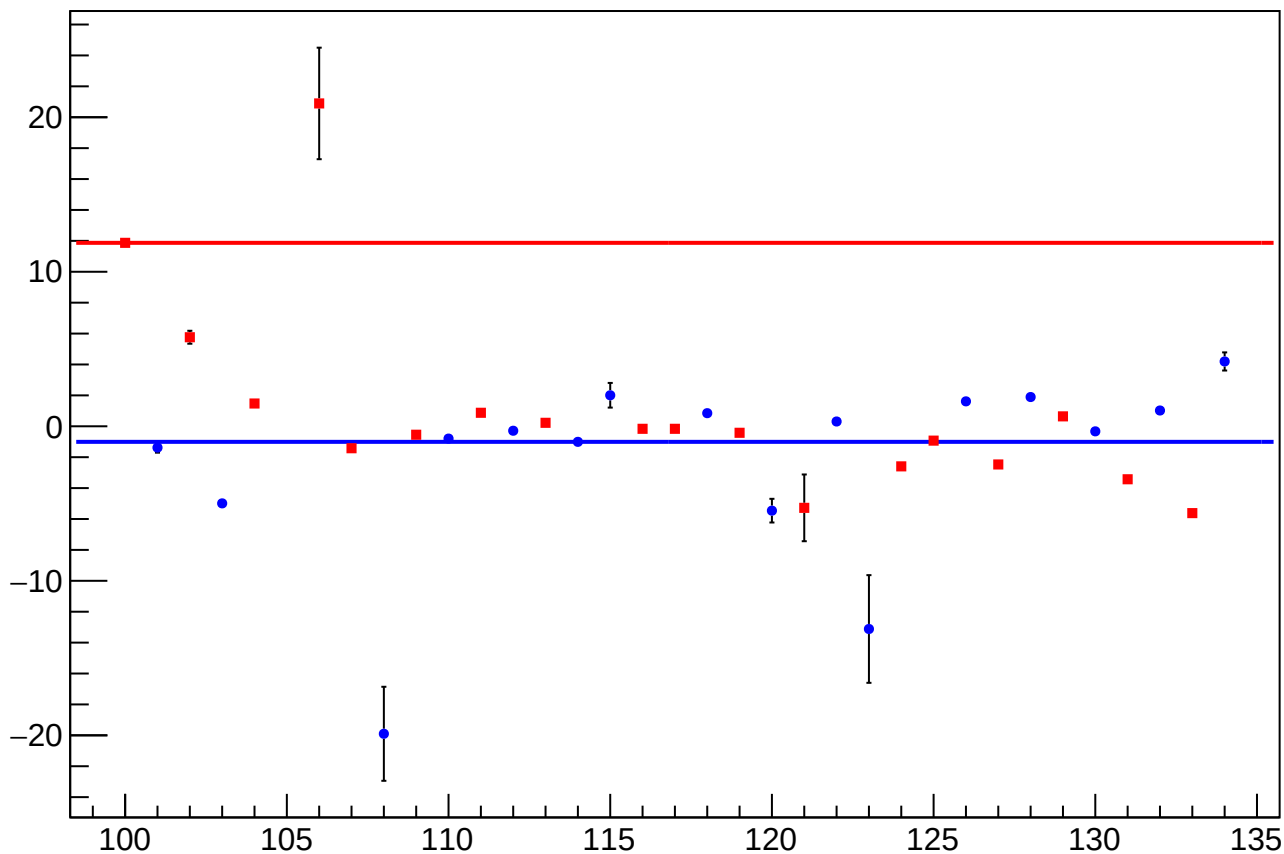
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

189.551 $\pm$ 0.000  $\chi^2$ /NDF: 731158.9/15

189.551 $\pm$ 0.000  $\chi^2$ /NDF: 19896978.4/33

-135.978 $\pm$ 0.075  $\chi^2$ /NDF: 114432.0/17

# dit\_sam1\_4aX\_slope vs Slug, Sign Corrected



Right In: -1.007+/-0.000  $\chi^2/\text{NDF}$ : 3832.1/15

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

Right Out: 11.872+/-0.000  $\chi^2/\text{NDF}$ : 536647.7/17

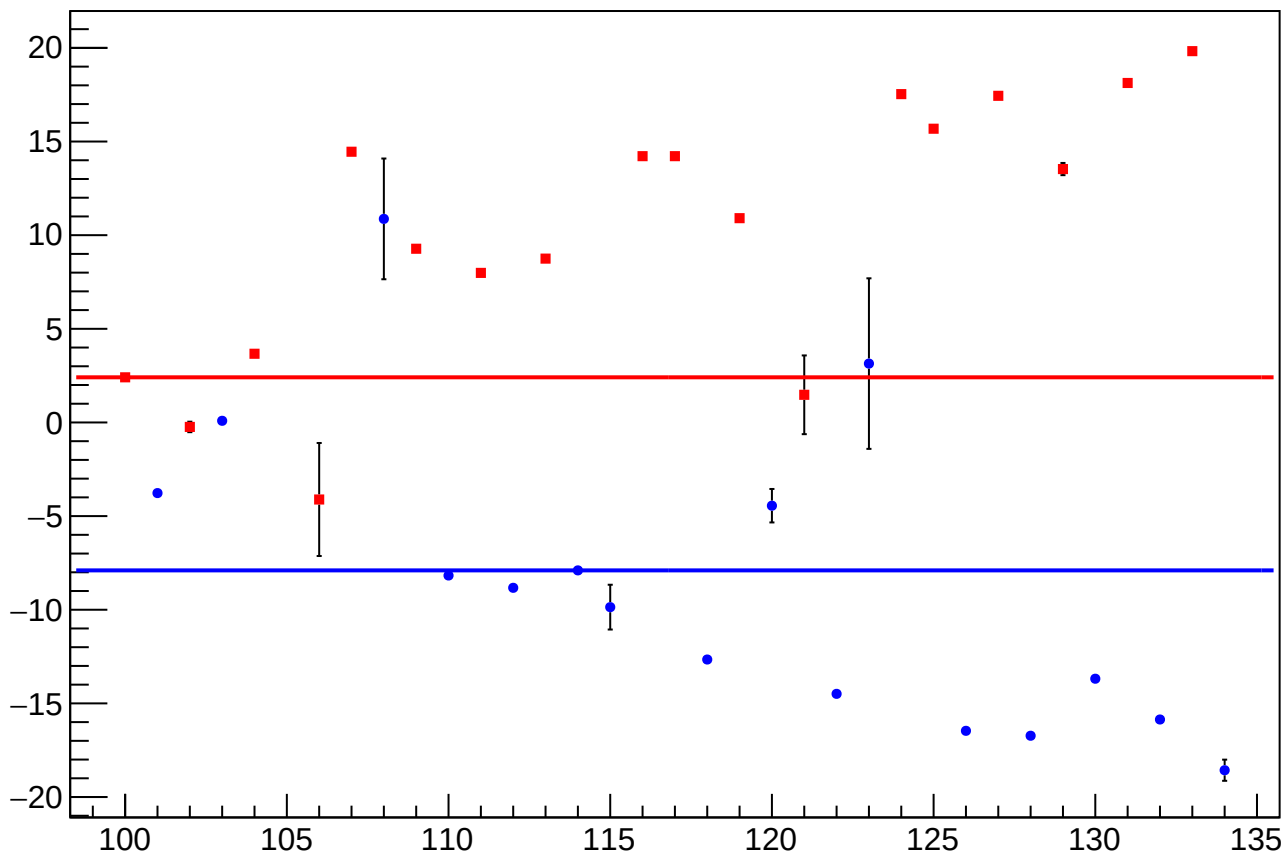
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.007+/-0.000  $\chi^2/\text{NDF}$ : 3832.1/15

-0.582+/-0.000  $\chi^2/\text{NDF}$ : 3049946074780

11.872+/-0.000  $\chi^2/\text{NDF}$ : 536647.7/17

# dit\_sam1\_4eX\_slope vs Slug, Sign Corrected



Right In: -7.899+/-0.000  $\chi^2/\text{NDF}$ : 32442.2/15

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

Right Out: 2.410+/-0.000  $\chi^2/\text{NDF}$ : 206303.3/17

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

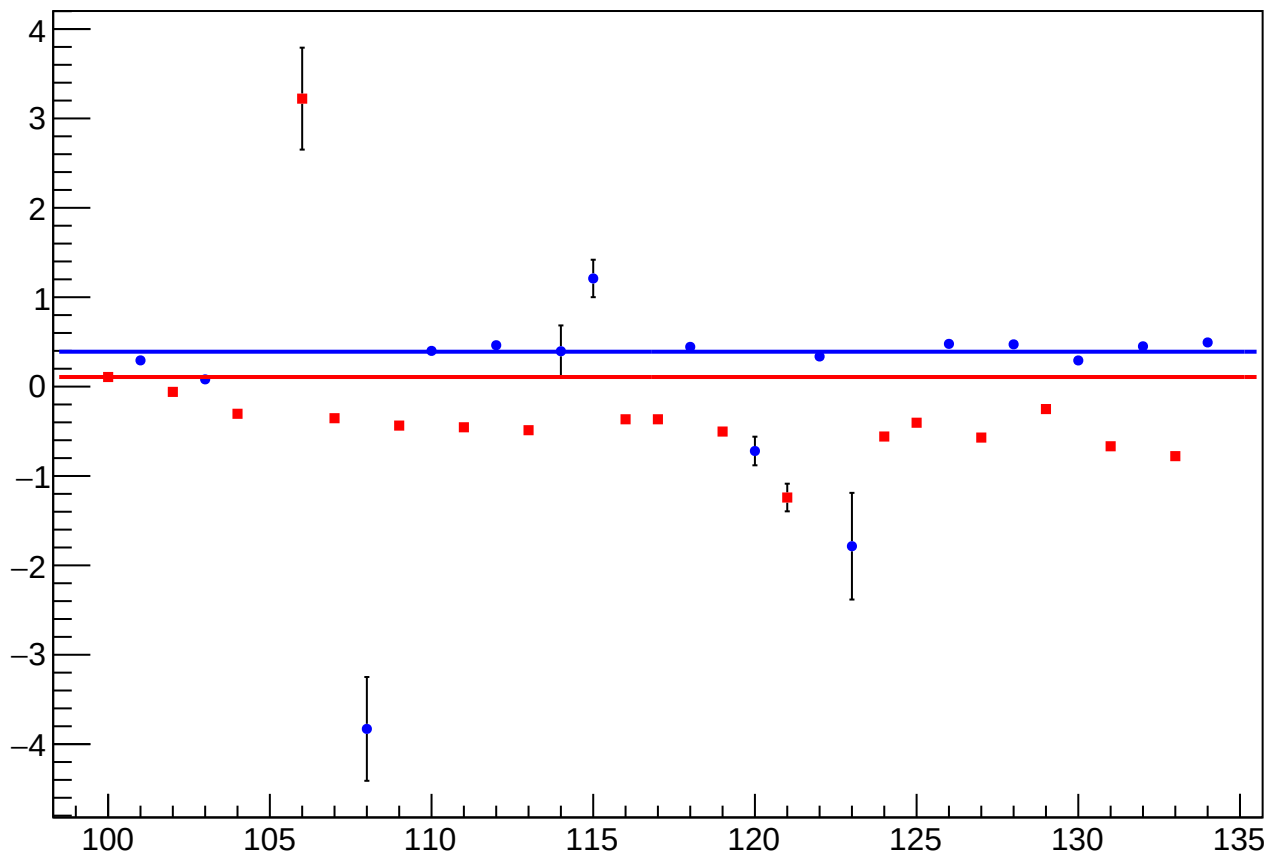
-7.899+/-0.000  $\chi^2/\text{NDF}$ : 32442.2/15

-0.829+/-0.000  $\chi^2/\text{NDF}$ : 1016173479523

2.410+/-0.000  $\chi^2/\text{NDF}$ : 206303.3/17



# dit\_sam1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.390+/-0.003  $\chi^2/\text{NDF}$ : 1949.6/15

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

Right Out: 0.107+/-0.000  $\chi^2/\text{NDF}$ : 68359.7/17

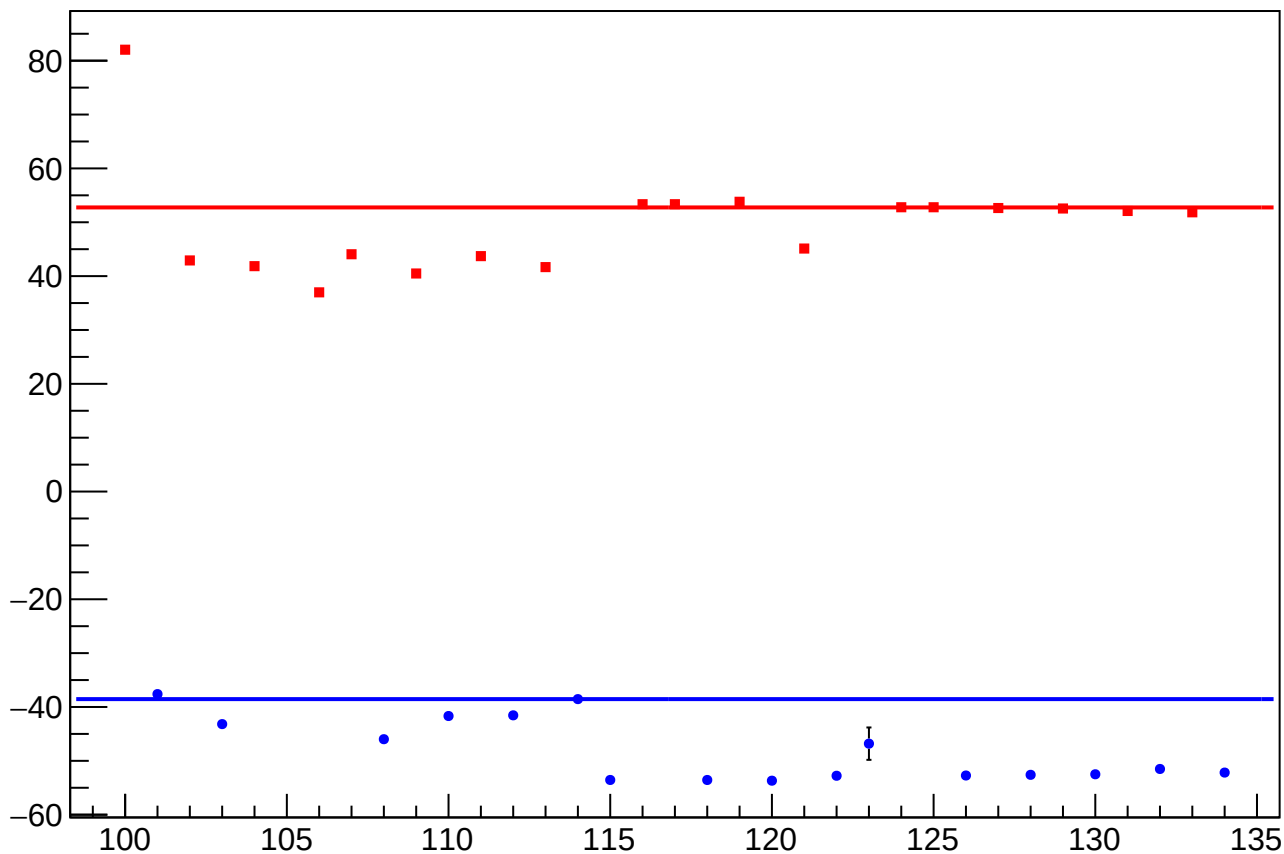
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.390+/-0.003  $\chi^2/\text{NDF}$ : 1949.6/15

0.107+/-0.000  $\chi^2/\text{NDF}$ : 79966.9/33

0.107+/-0.000  $\chi^2/\text{NDF}$ : 68359.7/17

# dit\_sam1\_4aY\_slope vs Slug, Sign Corrected



Right In: -38.539 $\pm$ 0.000  $\chi^2$ /NDF: 12018382.6/15

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

Right Out: 52.753 $\pm$ 0.002  $\chi^2$ /NDF: 84014.2/17

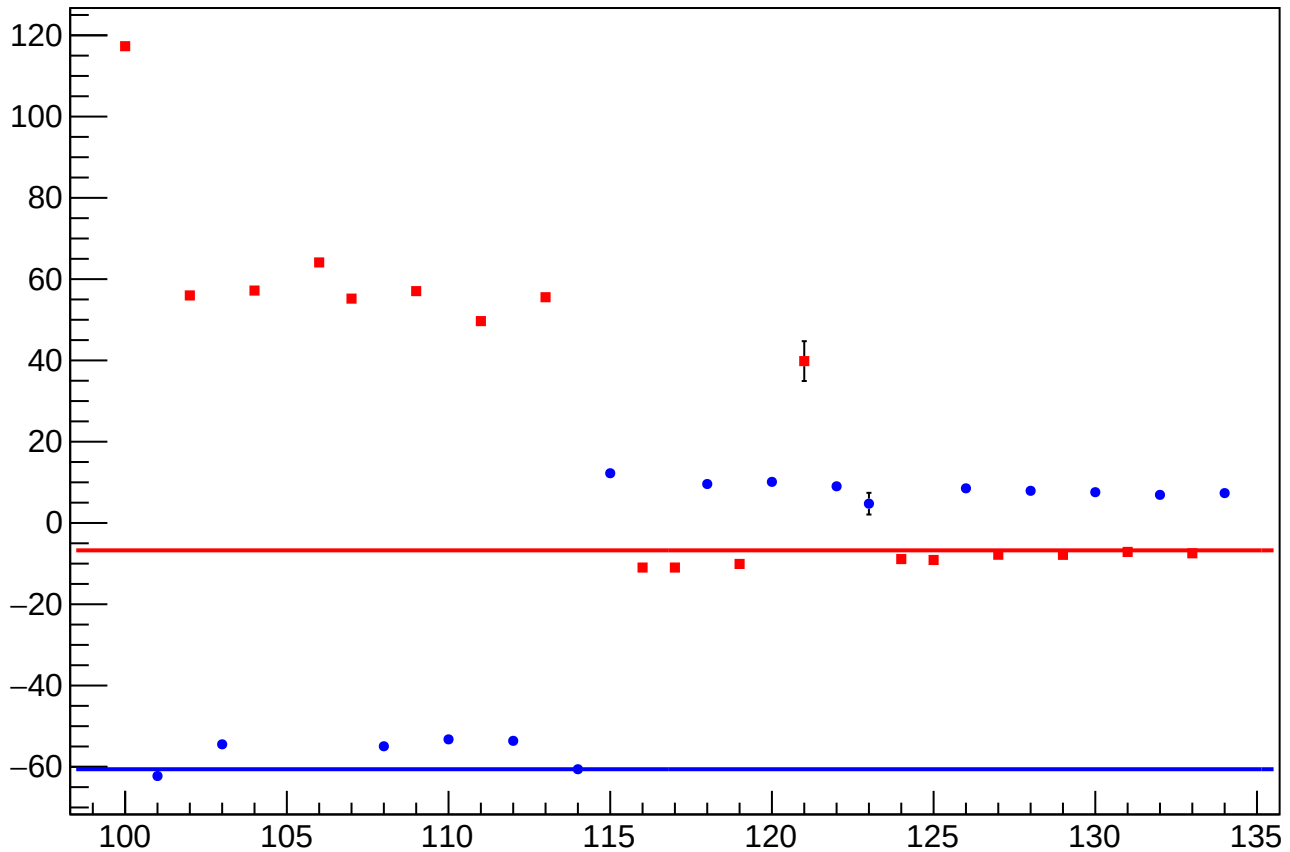
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-38.539 $\pm$ 0.000  $\chi^2$ /NDF: 12018382.6/15

-38.539 $\pm$ 0.000  $\chi^2$ /NDF: 2319949049.5/15

52.753 $\pm$ 0.002  $\chi^2$ /NDF: 84014.2/17

# dit\_sam1\_4eY\_slope vs Slug, Sign Corrected



Right In: -60.594+/-0.000  $\chi^2/\text{NDF}$ : 20903401.5/15

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

Right Out: -6.737+/-0.012  $\chi^2/\text{NDF}$ : 1266039.6/17

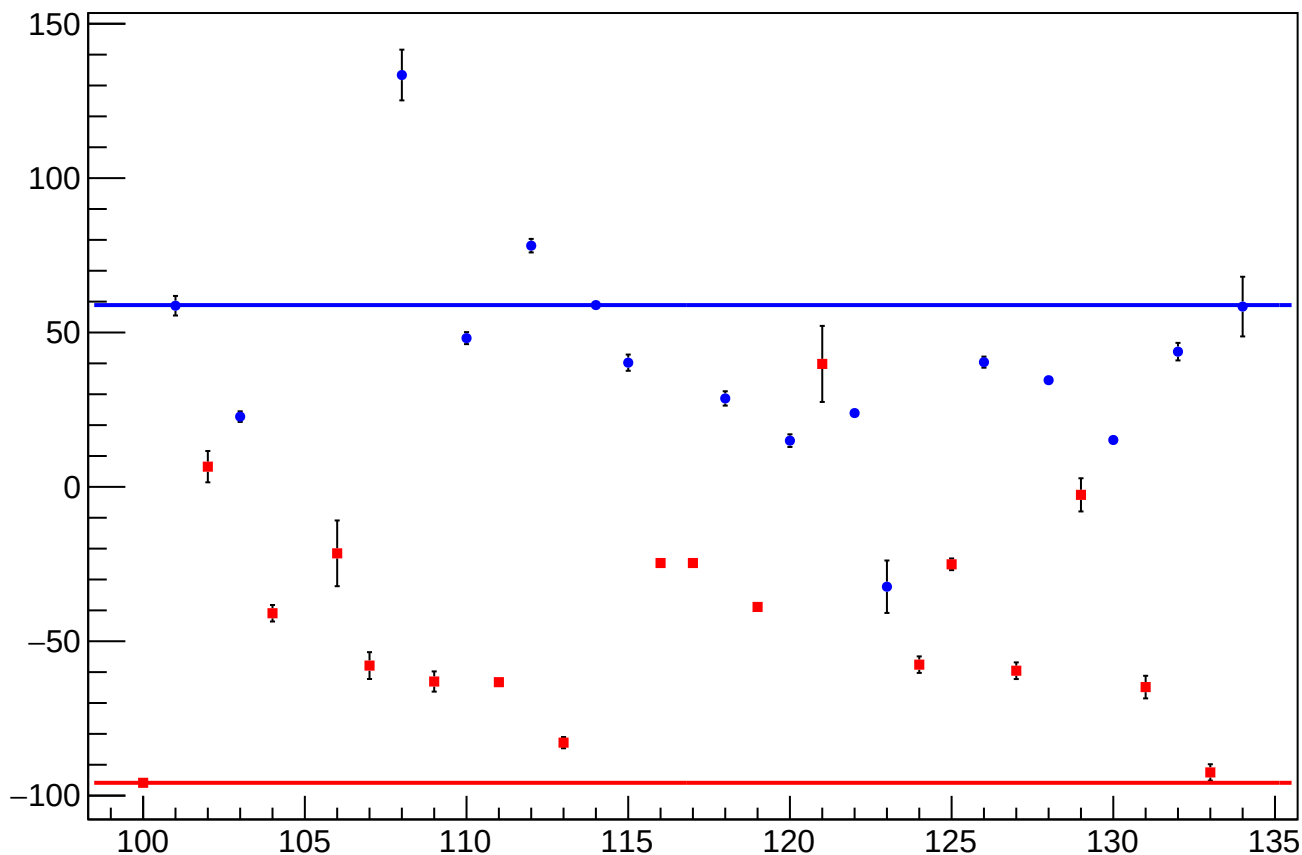
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-60.594+/-0.000  $\chi^2/\text{NDF}$ : 20903401.5/15

-60.594+/-0.000  $\chi^2/\text{NDF}$ : 43908057.1/33

-6.737+/-0.012  $\chi^2/\text{NDF}$ : 1266039.6/17

# dit\_sam2\_4aX\_slope vs Slug, Sign Corrected



Right In: 58.880+/-0.000  $\chi^2$ /NDF: 3790.8/15

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

Right Out: -95.846+/-0.000  $\chi^2$ /NDF: 44485.5/17

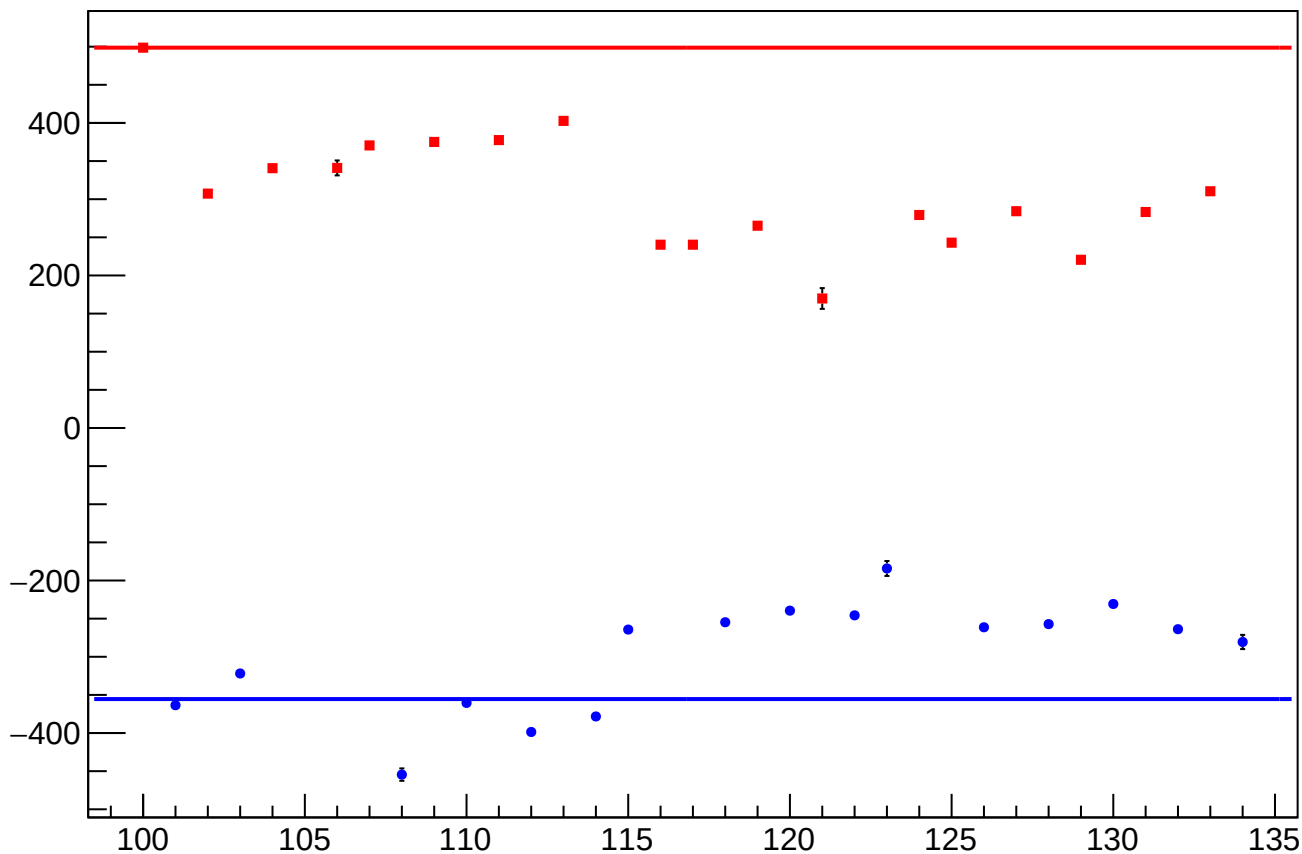
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

58.880+/-0.000  $\chi^2$ /NDF: 3790.8/15

53.779+/-0.000  $\chi^2$ /NDF: 1719559071103

-95.846+/-0.000  $\chi^2$ /NDF: 44485.5/17

# dit\_sam2\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-355.458 \pm 0.253$   $\chi^2/\text{NDF}$ : 36270.4/15

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

Right Out:  $498.692 \pm 0.000$   $\chi^2/\text{NDF}$ : 528019.9/17

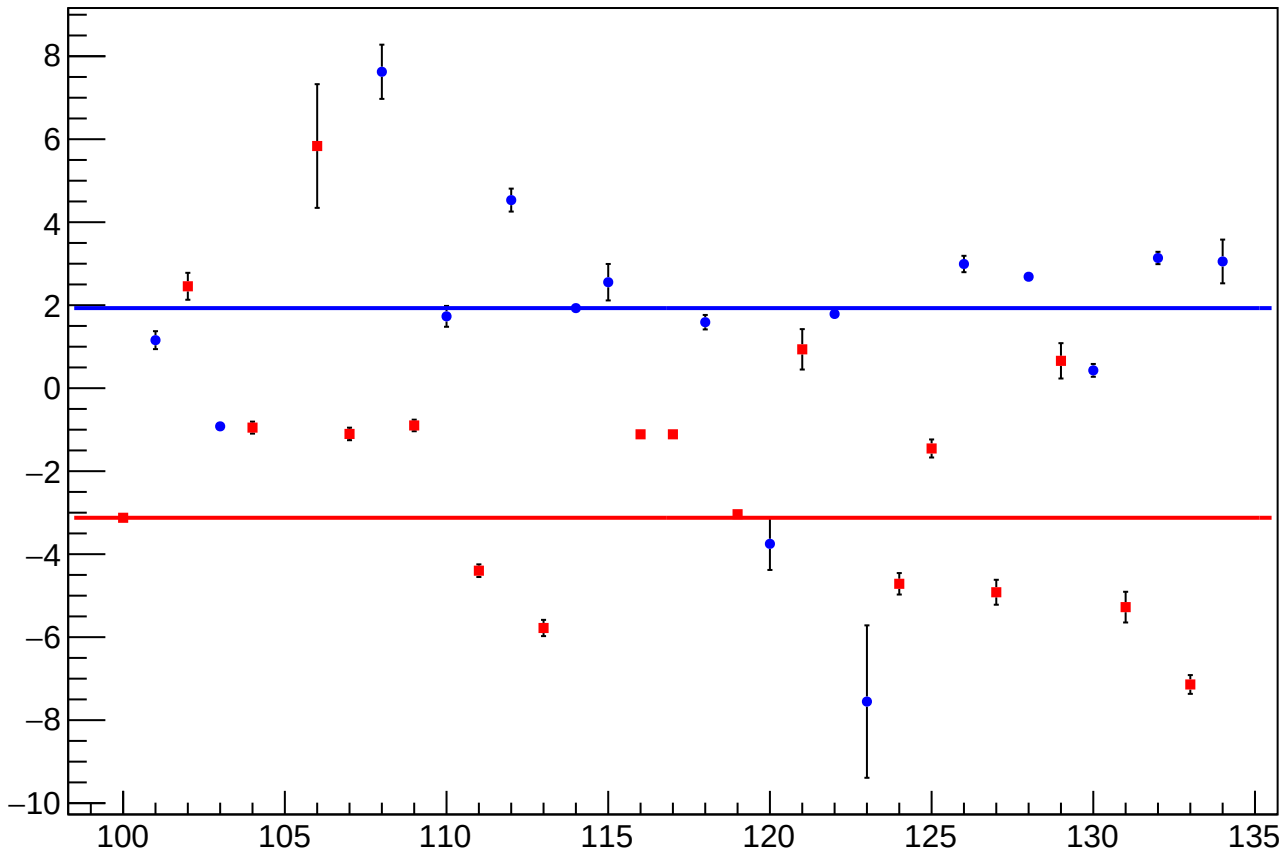
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-355.458 \pm 0.253$   $\chi^2/\text{NDF}$ : 36270.4/15

$498.692 \pm 0.000$   $\chi^2/\text{NDF}$ : 11955200.3/33

$498.692 \pm 0.000$   $\chi^2/\text{NDF}$ : 528019.9/17

# dit\_sam2\_11X12X\_slope vs Slug, Sign Corrected



Right In: 1.930+/-0.000  $\chi^2/\text{NDF}$ : 1426.1/15

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

Right Out: -3.123+/-0.000  $\chi^2/\text{NDF}$ : 12634.7/17

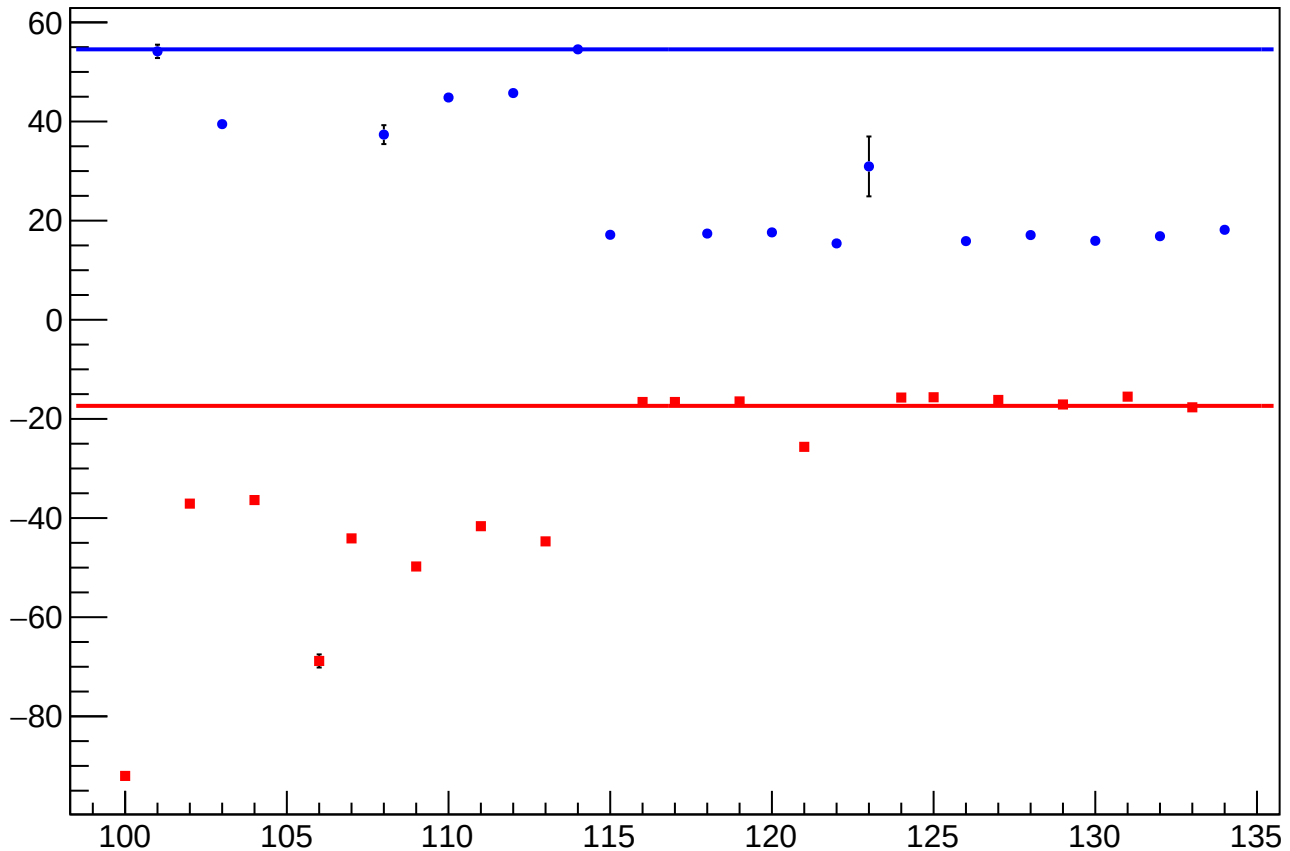
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.930+/-0.000  $\chi^2/\text{NDF}$ : 1426.1/15

1.324+/-0.000  $\chi^2/\text{NDF}$ : 68349069016618

-3.123+/-0.000  $\chi^2/\text{NDF}$ : 12634.7/17

# dit\_sam2\_4aY\_slope vs Slug, Sign Corrected



Right In: 54.556 $\pm$ 0.000  $\chi^2$ /NDF: 3336959.6/15

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

Right Out: -17.367 $\pm$ 0.020  $\chi^2$ /NDF: 99099.8/17

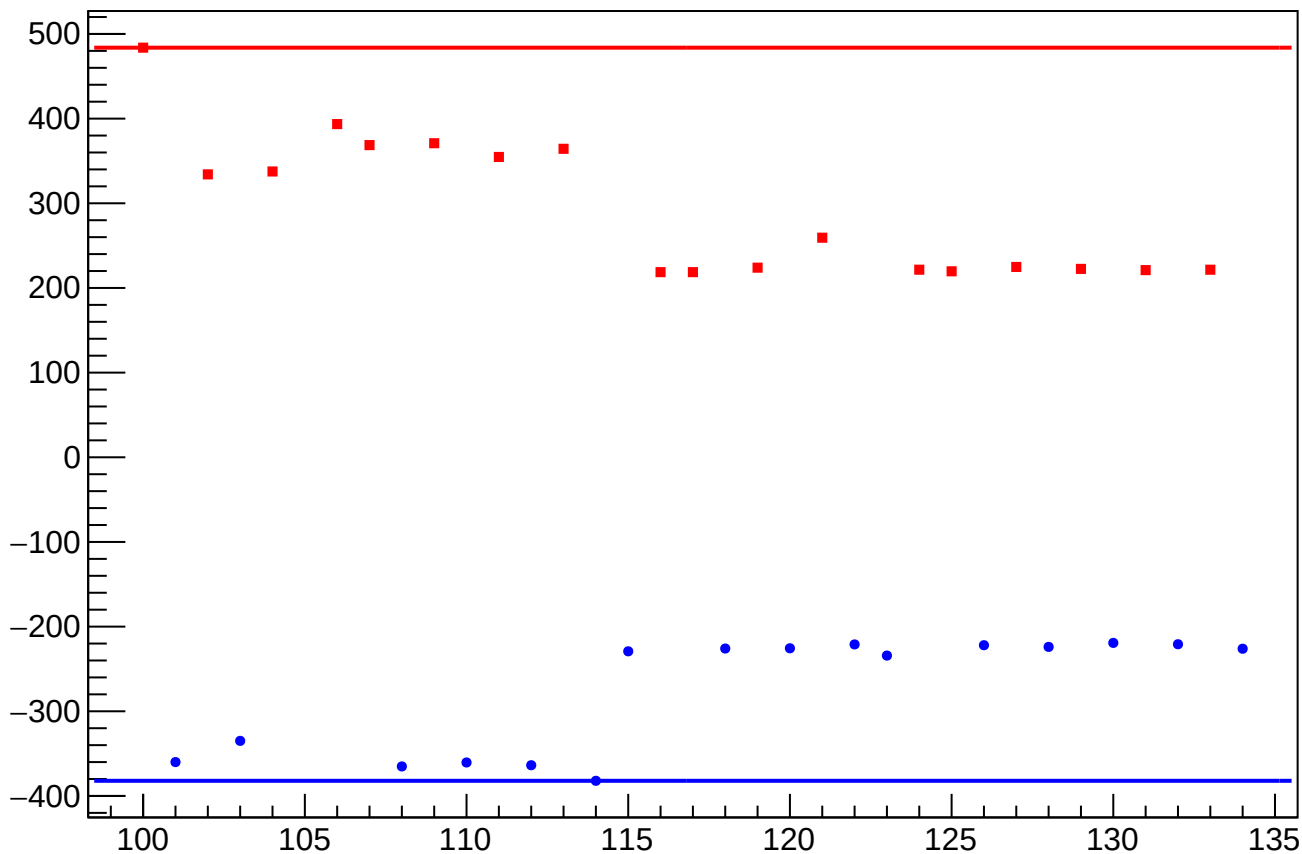
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

54.556 $\pm$ 0.000  $\chi^2$ /NDF: 3336959.6/15

54.556 $\pm$ 0.000  $\chi^2$ /NDF: 16315394.3/33

-17.367 $\pm$ 0.020  $\chi^2$ /NDF: 99099.8/17

# dit\_sam2\_4eY\_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000  $\chi^2/\text{NDF}$ : 14731721.3/15

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

Right Out: 483.800+/-0.000  $\chi^2/\text{NDF}$ : 20026580.7/17

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

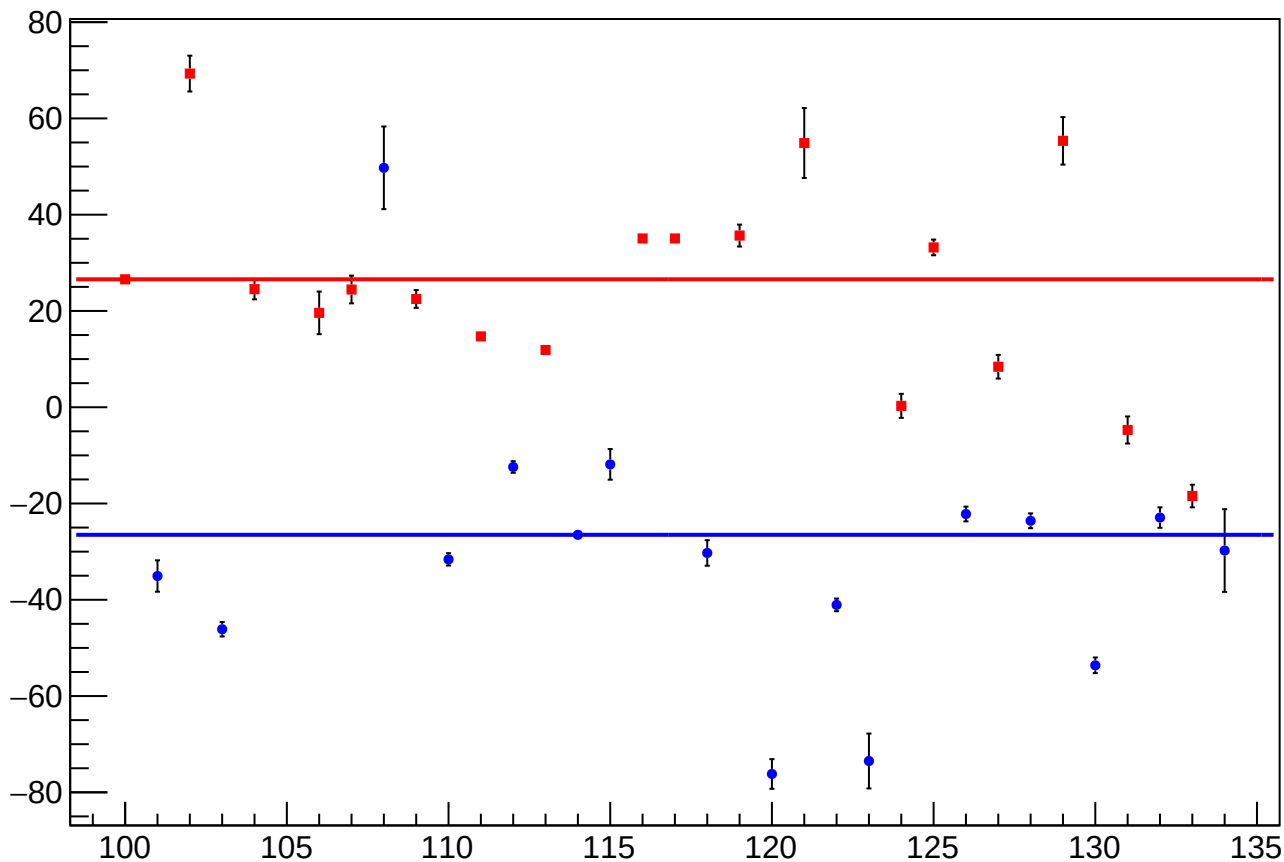
-382.108+/-0.000  $\chi^2/\text{NDF}$ : 14731721.3/15

-76.493+/-0.000  $\chi^2/\text{NDF}$ : 9009029155790

483.800+/-0.000  $\chi^2/\text{NDF}$ : 20026580.7/17



# dit\_sam3\_4aX\_slope vs Slug, Sign Corrected



Right In: -26.504+/-0.000  $\chi^2/\text{NDF}$ : 1176.0/15

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

Right Out: 26.577+/-0.000  $\chi^2/\text{NDF}$ : 2383.5/17

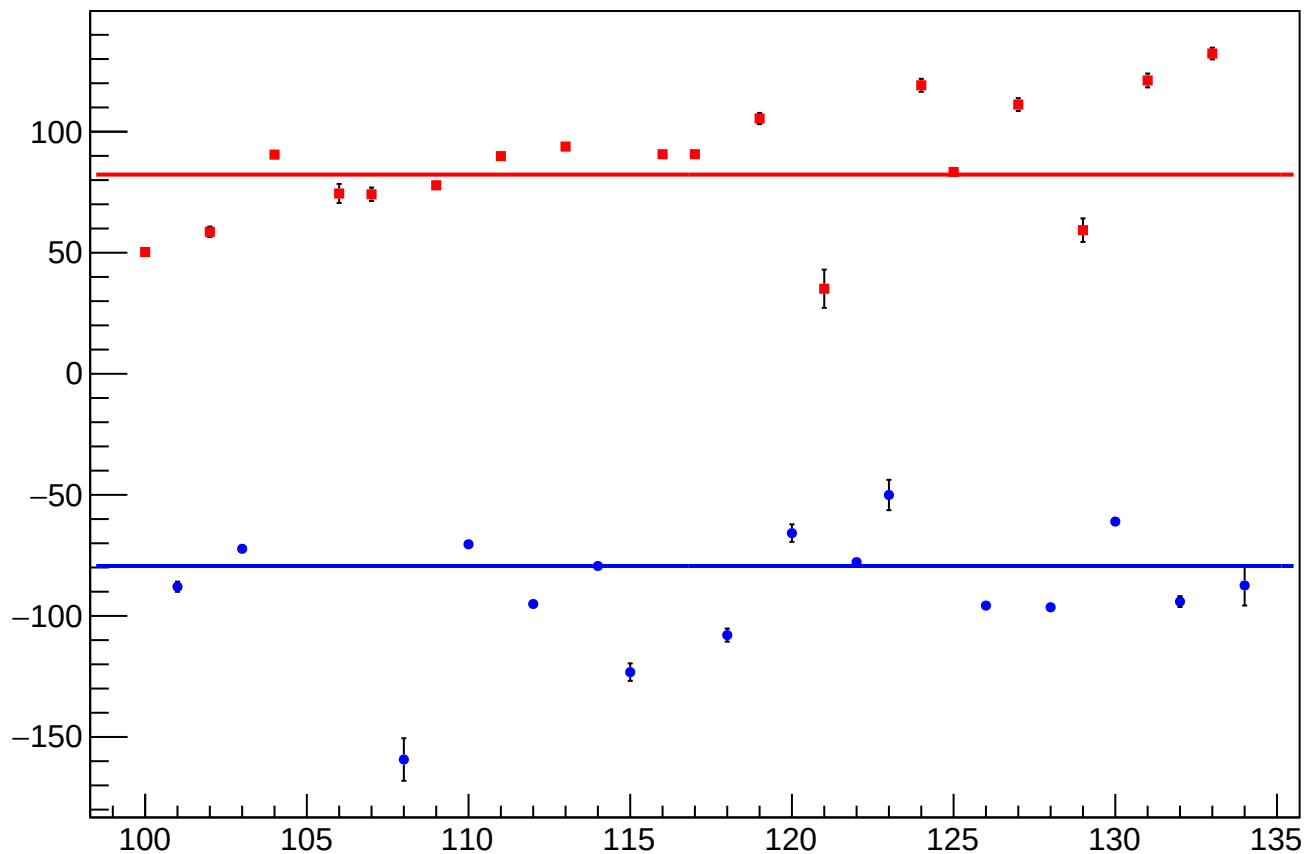
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-26.504+/-0.000  $\chi^2/\text{NDF}$ : 1176.0/15

-7.770+/-0.000  $\chi^2/\text{NDF}$ : 2166718322463

26.577+/-0.000  $\chi^2/\text{NDF}$ : 2383.5/17

# dit\_sam3\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-79.376 \pm 0.000$   $\chi^2/\text{NDF}: 975.7/15$

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

Right Out:  $82.271 \pm 0.174$   $\chi^2/\text{NDF}: 10148.0/17$

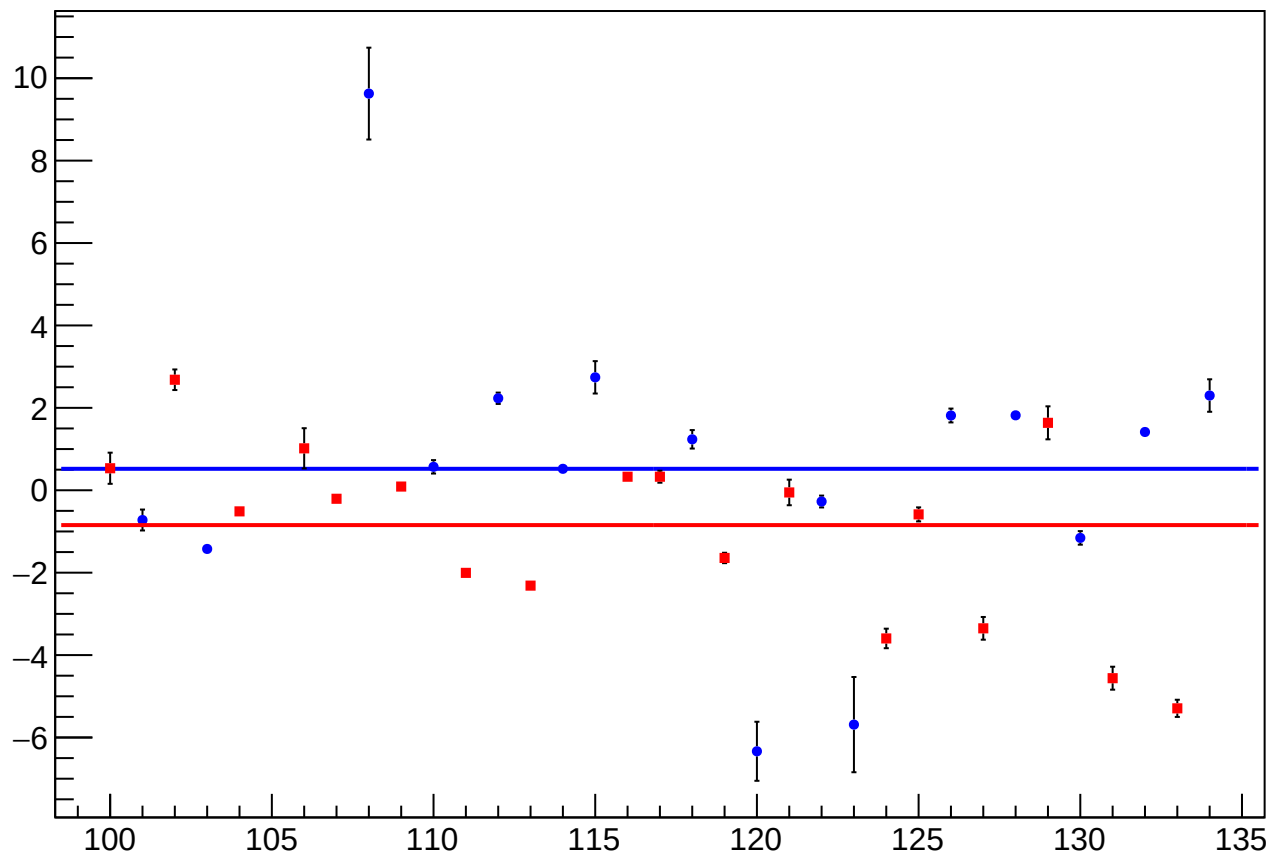
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-79.376 \pm 0.000$   $\chi^2/\text{NDF}: 975.7/15$

$-79.376 \pm 0.000$   $\chi^2/\text{NDF}: 873778.6/33$

$82.271 \pm 0.174$   $\chi^2/\text{NDF}: 10148.0/17$

# dit\_sam3\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.521+/-0.000  $\chi^2/\text{NDF}$ : 1347.0/15

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

Right Out: -0.845+/-0.028  $\chi^2/\text{NDF}$ : 2437.4/17

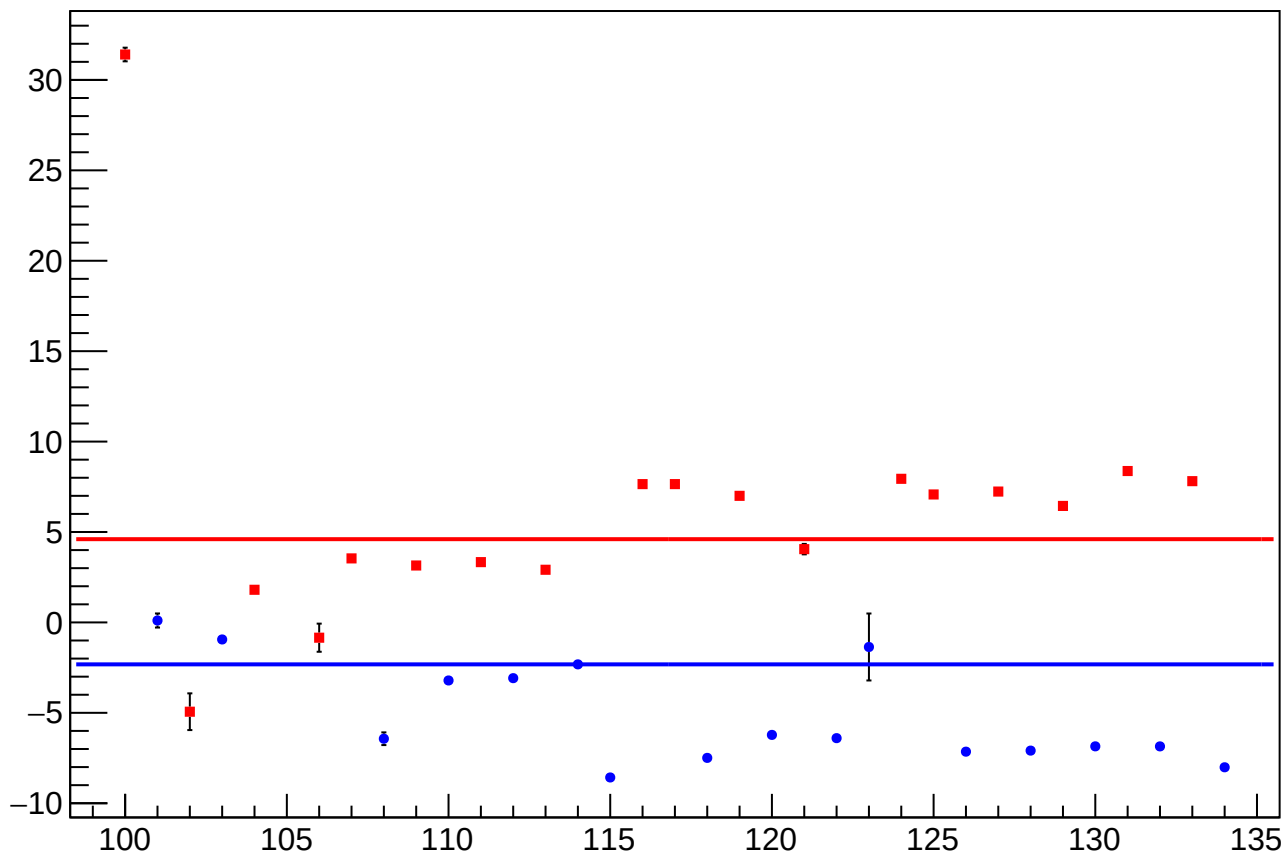
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.521+/-0.000  $\chi^2/\text{NDF}$ : 1347.0/15

0.521+/-0.000  $\chi^2/\text{NDF}$ : 6131.3/33

-0.845+/-0.028  $\chi^2/\text{NDF}$ : 2437.4/17

# dit\_sam3\_4aY\_slope vs Slug, Sign Corrected



Right In: -2.320+/-0.000  $\chi^2/\text{NDF}$ : 161688.8/15

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

Right Out: 4.603+/-0.011  $\chi^2/\text{NDF}$ : 44033.1/17

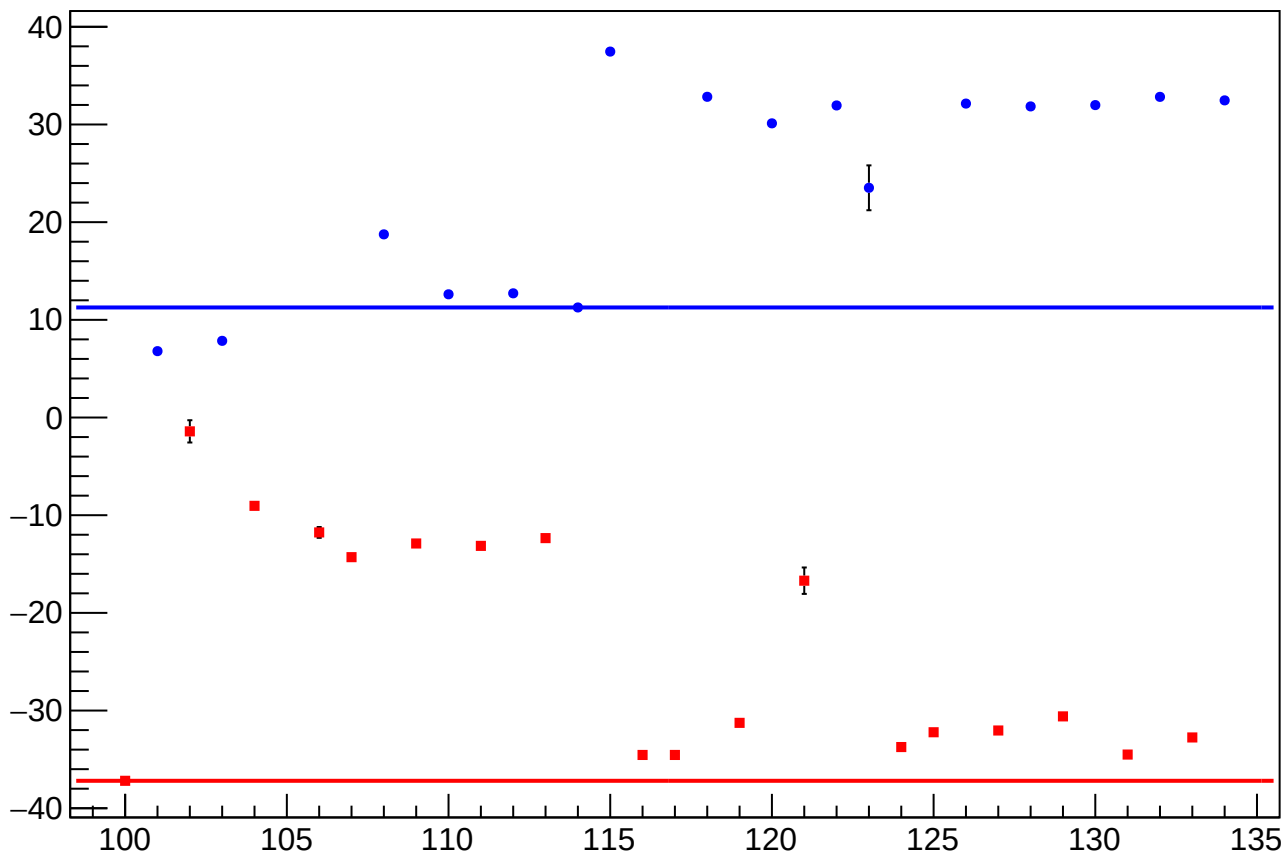
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.320+/-0.000  $\chi^2/\text{NDF}$ : 161688.8/15

-2.320+/-0.000  $\chi^2/\text{NDF}$ : 608911.6/33

4.603+/-0.011  $\chi^2/\text{NDF}$ : 44033.1/17

# dit\_sam3\_4eY\_slope vs Slug, Sign Corrected



Right In: 11.268+/-0.000  $\chi^2/\text{NDF}$ : 807470.7/15

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

Right Out: -37.191+/-0.000  $\chi^2/\text{NDF}$ : 1113858.3/17

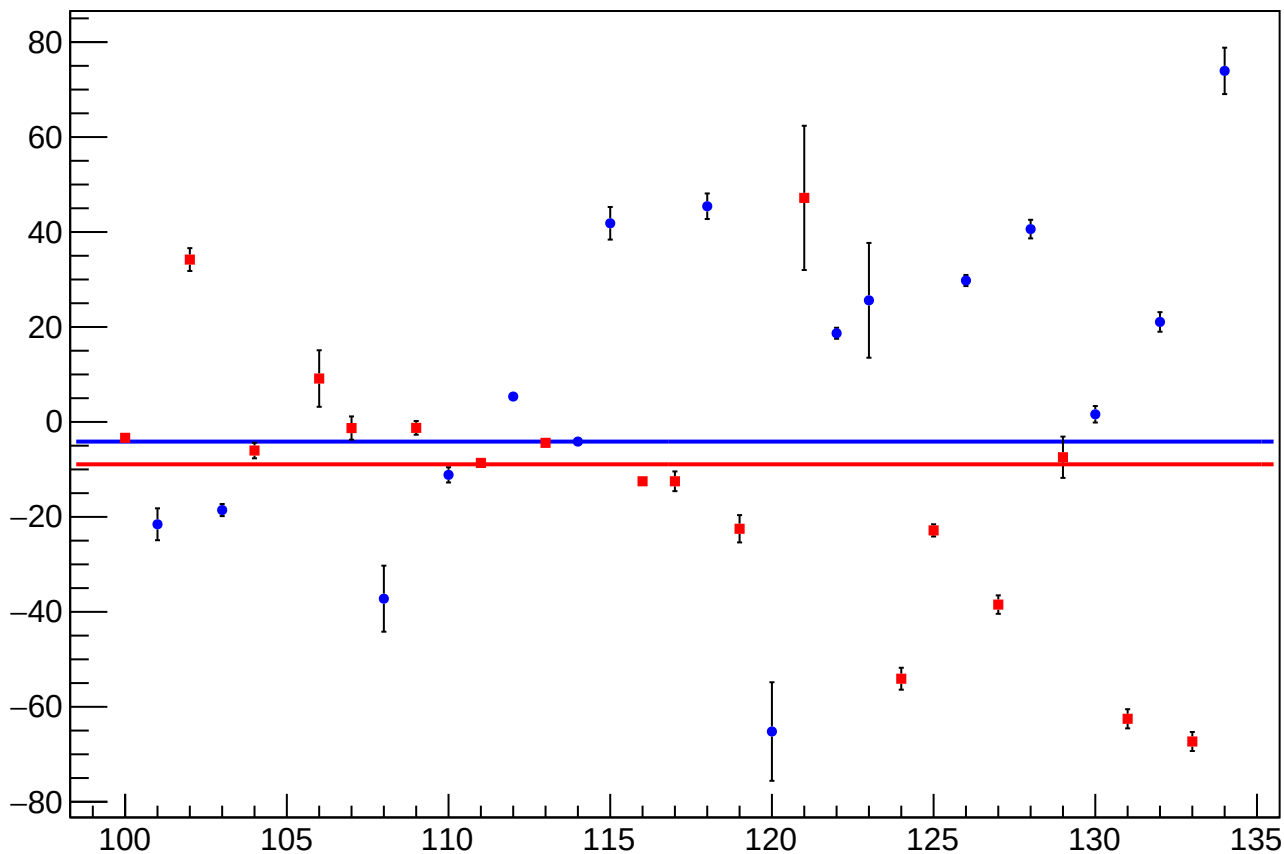
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

11.268+/-0.000  $\chi^2/\text{NDF}$ : 807470.7/15

9.670+/-0.000  $\chi^2/\text{NDF}$ : 26986732338875

-37.191+/-0.000  $\chi^2/\text{NDF}$ : 1113858.3/17

# dit\_sam4\_4aX\_slope vs Slug, Sign Corrected



Right In: -4.139+/-0.000  $\chi^2/\text{NDF}$ : 3101.7/15

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

Right Out: -8.924+/-0.262  $\chi^2/\text{NDF}$ : 2960.8/17

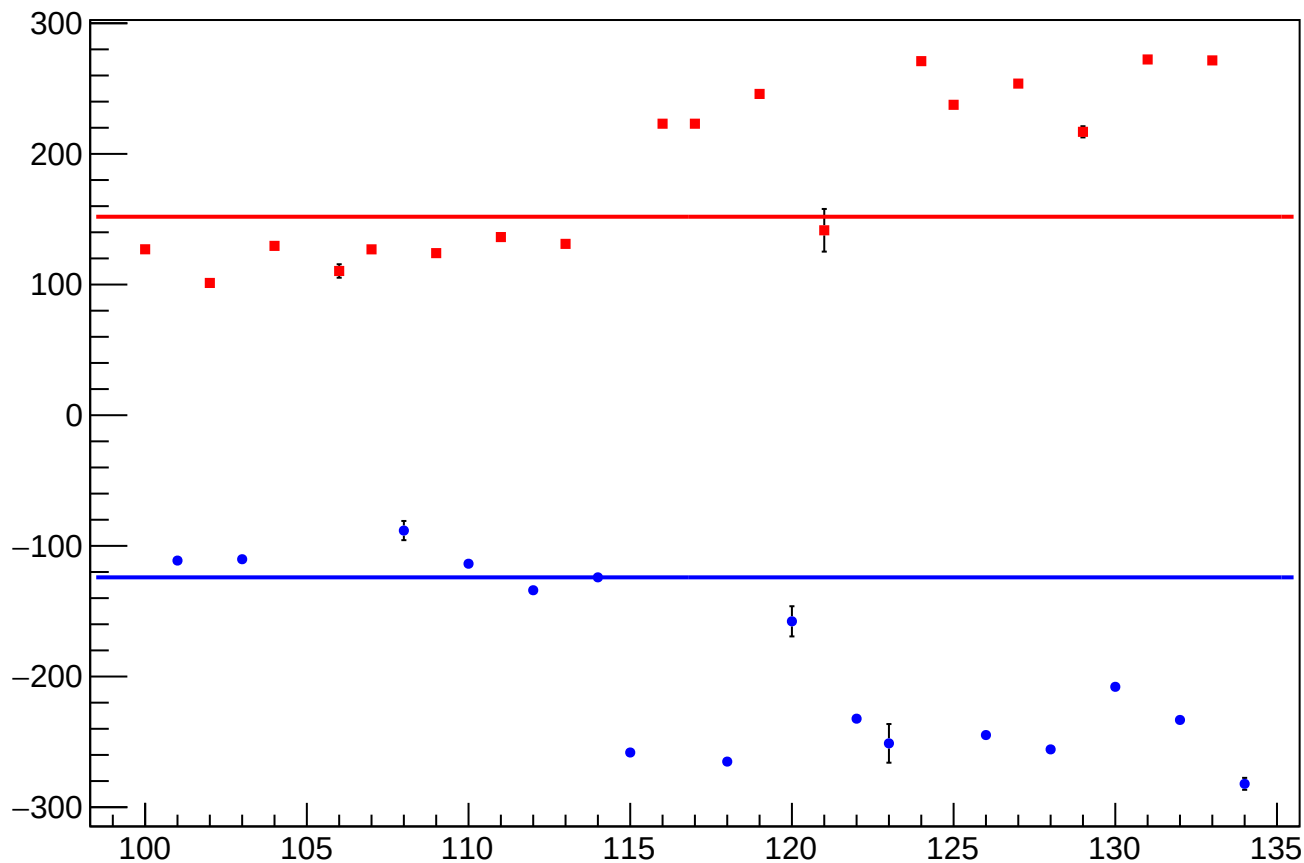
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.139+/-0.000  $\chi^2/\text{NDF}$ : 3101.7/15

-4.139+/-0.000  $\chi^2/\text{NDF}$ : 6395.9/33

-8.924+/-0.262  $\chi^2/\text{NDF}$ : 2960.8/17

# dit\_sam4\_4eX\_slope vs Slug, Sign Corrected



Right In: -124.095 $\pm$ 0.000  $\chi^2$ /NDF: 31356.3/15

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

Right Out: 151.910 $\pm$ 0.268  $\chi^2$ /NDF: 31674.9/17

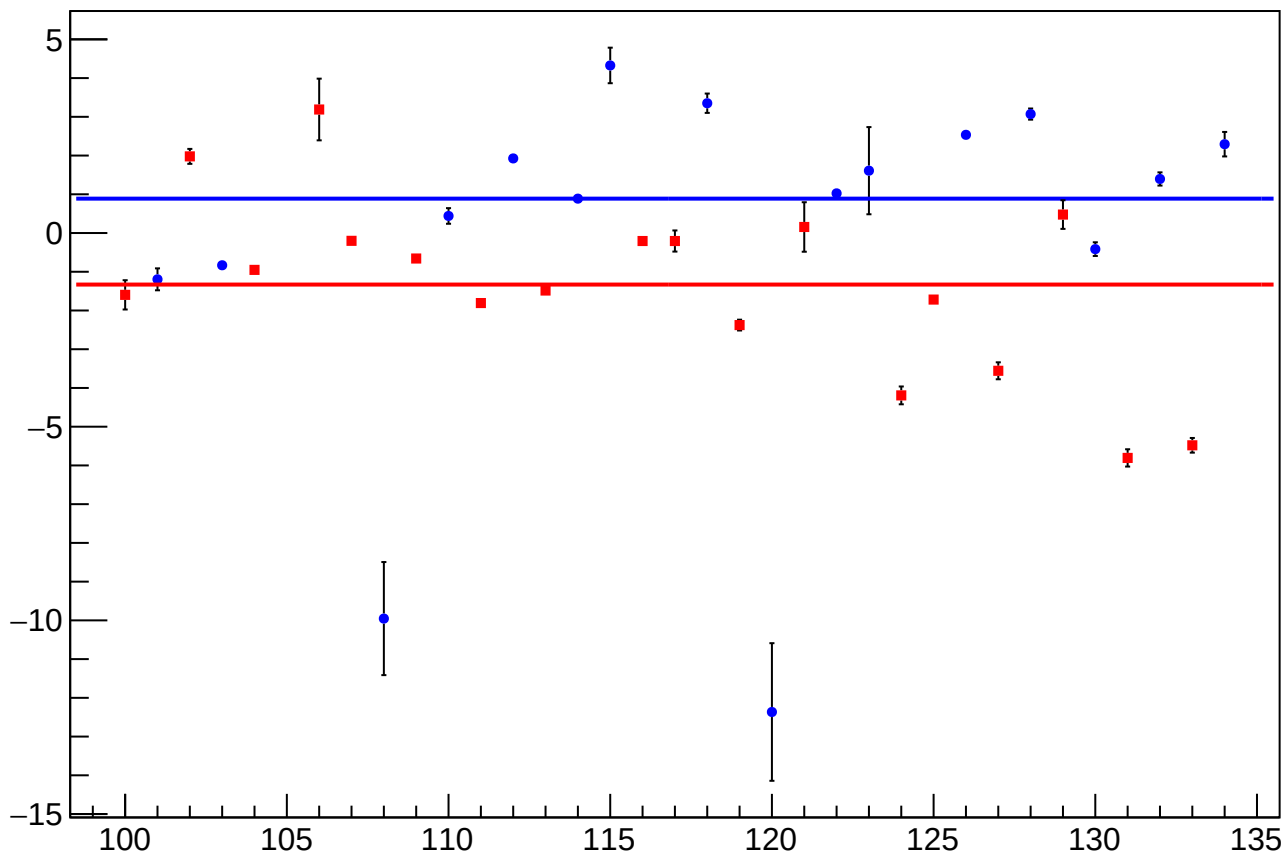
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-124.095 $\pm$ 0.000  $\chi^2$ /NDF: 31356.3/15

-124.095 $\pm$ 0.000  $\chi^2$ /NDF: 1127029.3/33

151.910 $\pm$ 0.268  $\chi^2$ /NDF: 31674.9/17

# dit\_sam4\_11X12X\_slope vs Slug, Sign Corrected

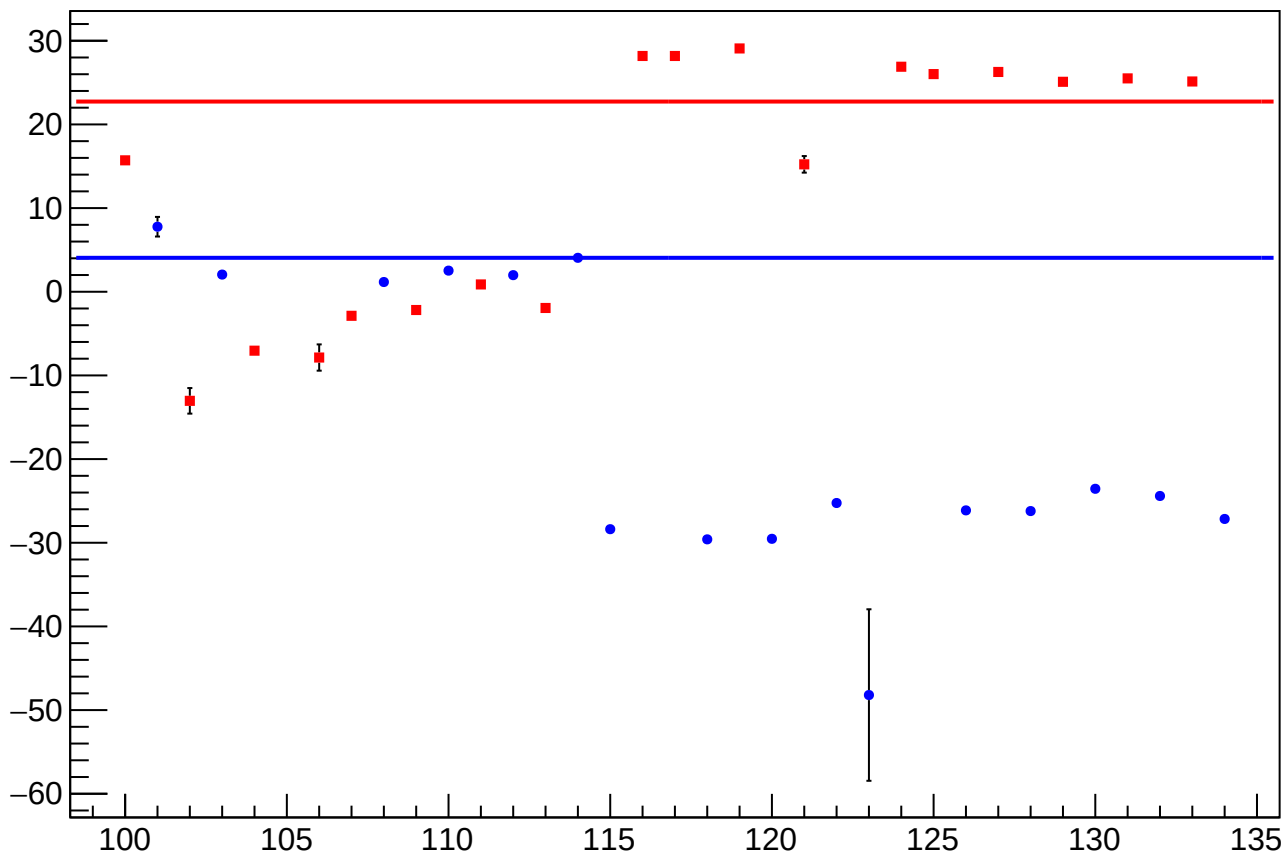


Right In: 0.888+/-0.000  $\chi^2/\text{NDF}$ : 1667.9/15  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -1.331+/-0.029  $\chi^2/\text{NDF}$ : 1999.0/17  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.888+/-0.000  $\chi^2/\text{NDF}$ : 1667.9/15  
0.888+/-0.000  $\chi^2/\text{NDF}$ : 9386.6/33  
-1.331+/-0.029  $\chi^2/\text{NDF}$ : 1999.0/17



# dit\_sam4\_4aY\_slope vs Slug, Sign Corrected



Right In: 4.057+/-0.000  $\chi^2/\text{NDF}$ : 1035657.5/15

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

Right Out: 22.734+/-0.029  $\chi^2/\text{NDF}$ : 116408.5/17

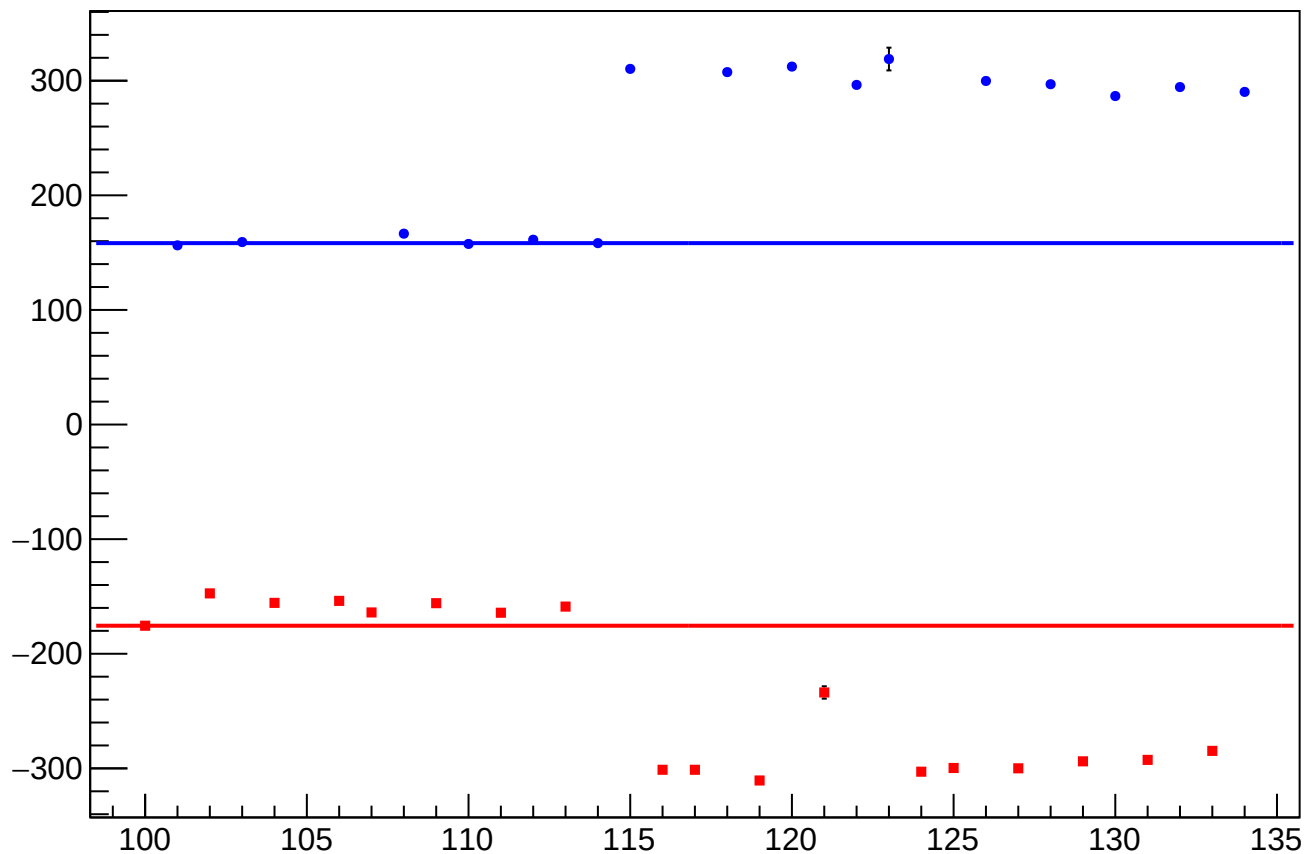
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.057+/-0.000  $\chi^2/\text{NDF}$ : 1035657.5/15

4.057+/-0.000  $\chi^2/\text{NDF}$ : 1571210.6/33

22.734+/-0.029  $\chi^2/\text{NDF}$ : 116408.5/17

# dit\_sam4\_4eY\_slope vs Slug, Sign Corrected



Right In: 158.293+/-0.000  $\chi^2/\text{NDF}$ : 1959104.9/15

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

Right Out: -175.536+/-0.000  $\chi^2/\text{NDF}$ : 1624601.5/17

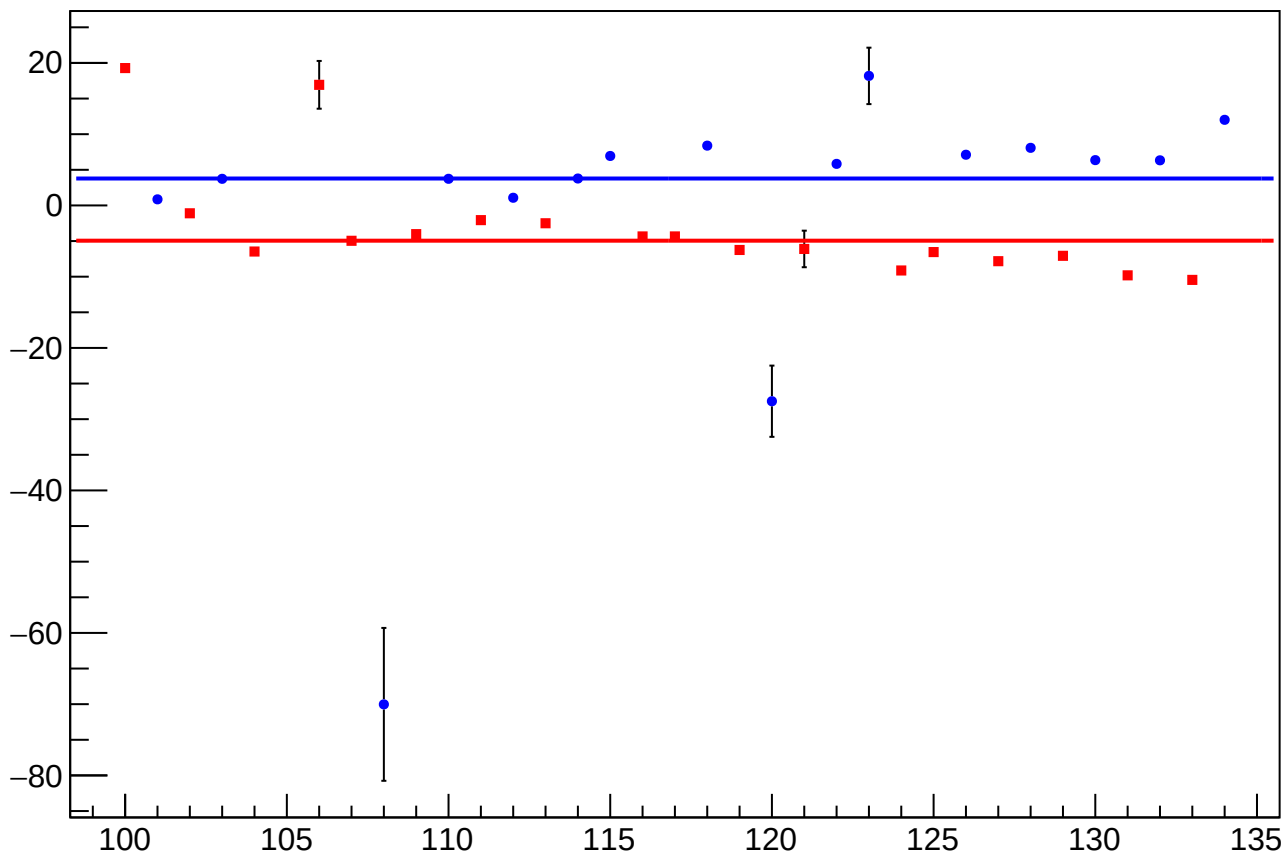
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

158.293+/-0.000  $\chi^2/\text{NDF}$ : 1959104.9/15

-119.042+/-0.000  $\chi^2/\text{NDF}$ : 14008038966

-175.536+/-0.000  $\chi^2/\text{NDF}$ : 1624601.5/17

# dit\_sam5\_4aX\_slope vs Slug, Sign Corrected



Right In: 3.778+/-0.000  $\chi^2/\text{NDF}$ : 4367.3/15

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

Right Out: -4.948+/-0.027  $\chi^2/\text{NDF}$ : 14572.9/17

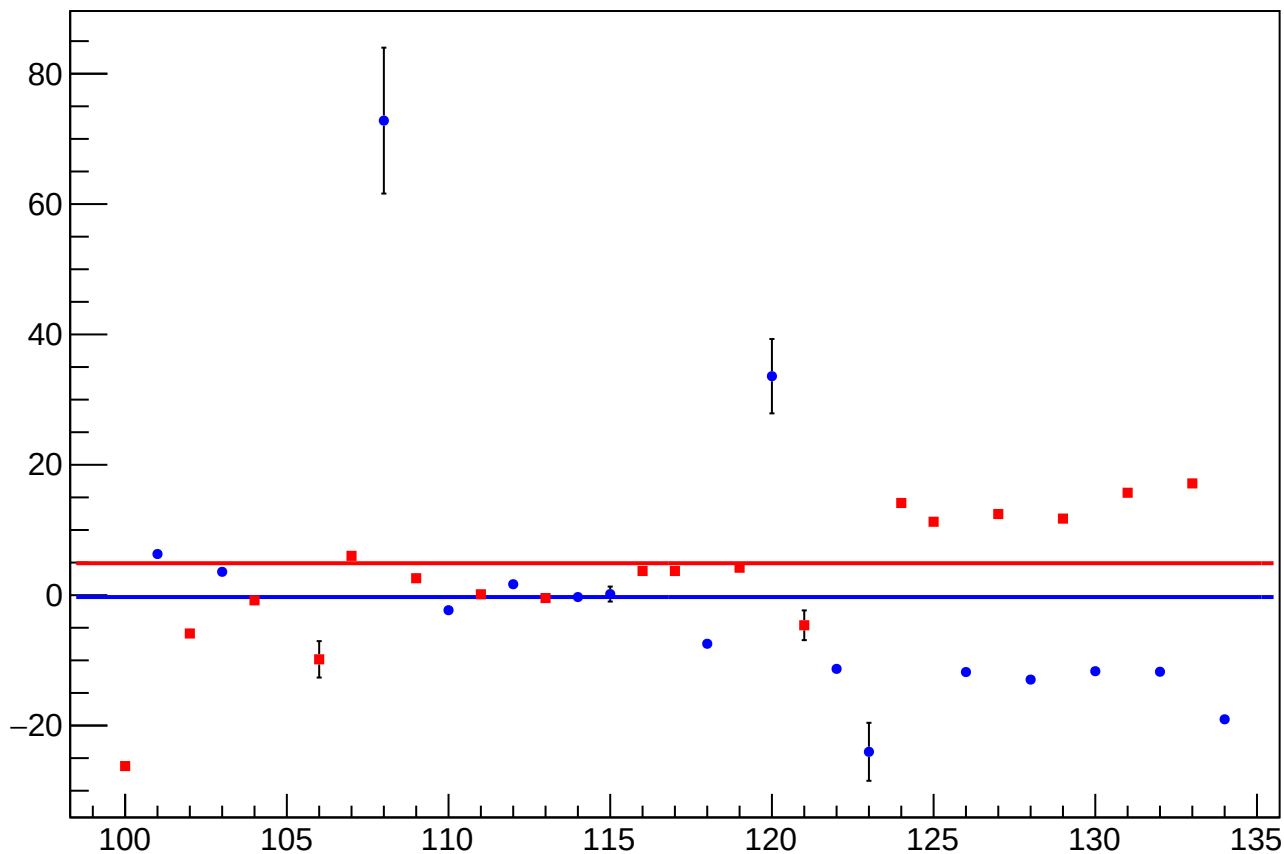
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.778+/-0.000  $\chi^2/\text{NDF}$ : 4367.3/15

3.778+/-0.000  $\chi^2/\text{NDF}$ : 124975.9/33

-4.948+/-0.027  $\chi^2/\text{NDF}$ : 14572.9/17

# dit\_sam5\_4eX\_slope vs Slug, Sign Corrected



Right In: -0.287+/-0.000  $\chi^2/\text{NDF}$ : 39821.9/15

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

Right Out: 4.903+/-0.029  $\chi^2/\text{NDF}$ : 56646.1/17

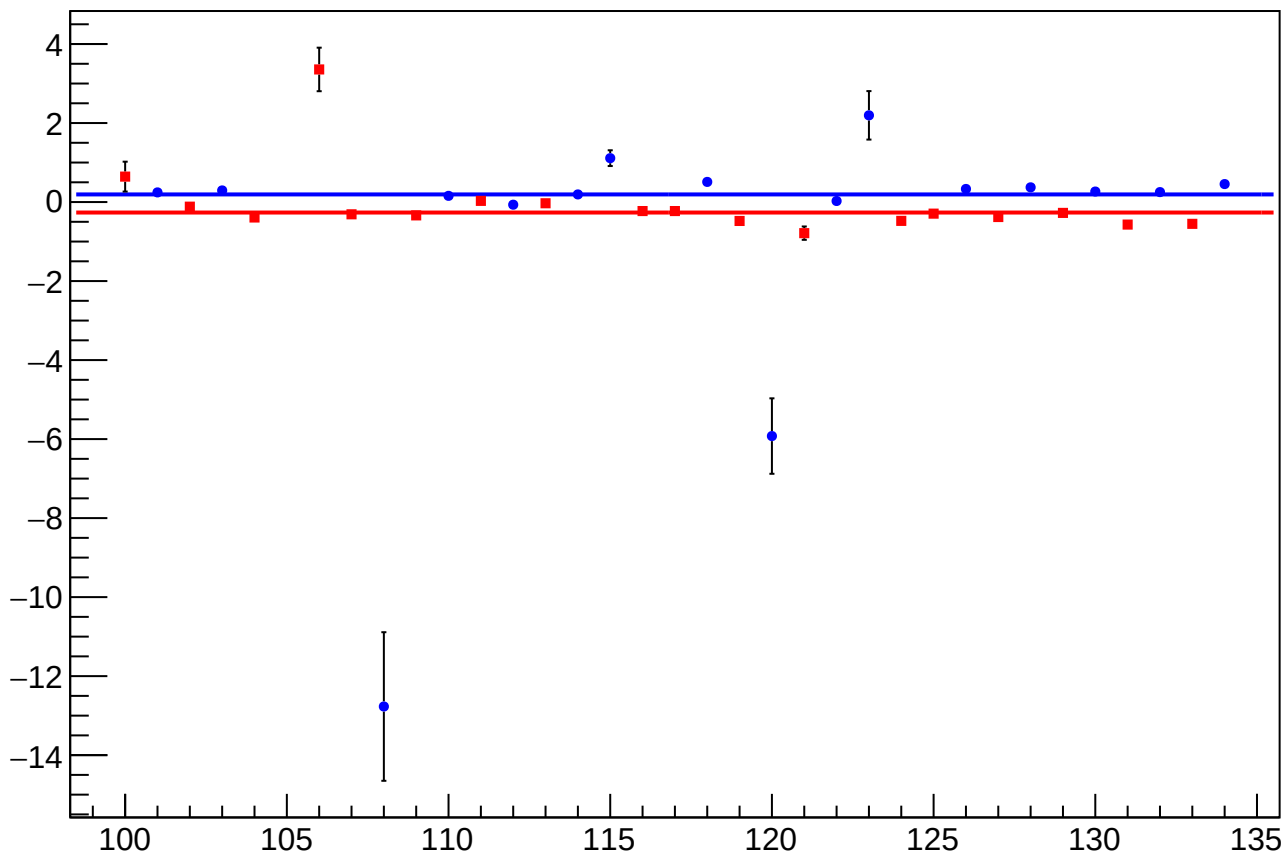
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.287+/-0.000  $\chi^2/\text{NDF}$ : 39821.9/15

-0.287+/-0.000  $\chi^2/\text{NDF}$ : 128540.9/33

4.903+/-0.029  $\chi^2/\text{NDF}$ : 56646.1/17

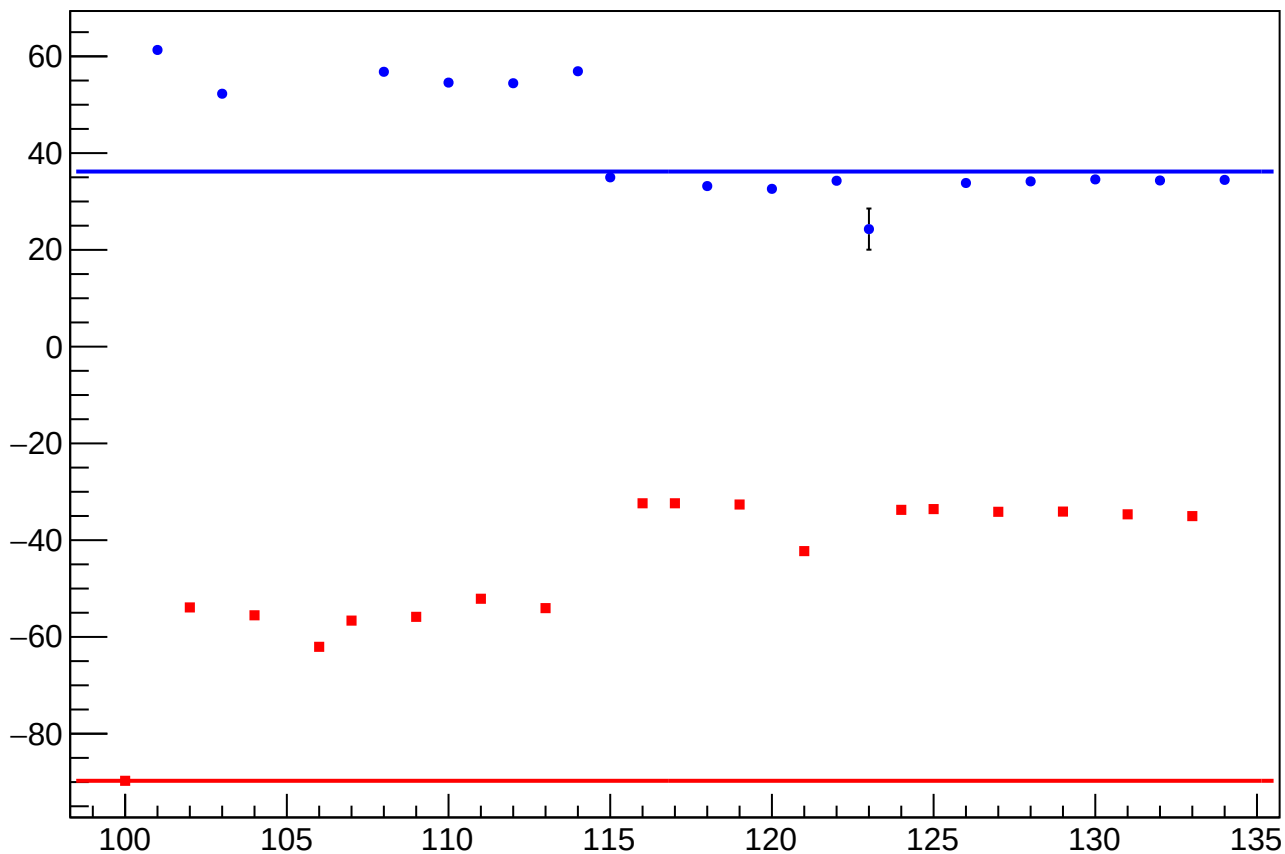
# dit\_sam5\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.000  $\chi^2/\text{NDF}$ : 2194.5/15  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -0.265+/-0.002  $\chi^2/\text{NDF}$ : 5995.9/17  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.193+/-0.000  $\chi^2/\text{NDF}$ : 2194.5/15  
0.193+/-0.000  $\chi^2/\text{NDF}$ : 49041.4/33  
-0.265+/-0.002  $\chi^2/\text{NDF}$ : 5995.9/17

# dit\_sam5\_4aY\_slope vs Slug, Sign Corrected



Right In: 36.191+/-0.013  $\chi^2$ /NDF: 212706.0/15

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

Right Out: -89.735+/-0.000  $\chi^2$ /NDF: 21842531.9/17

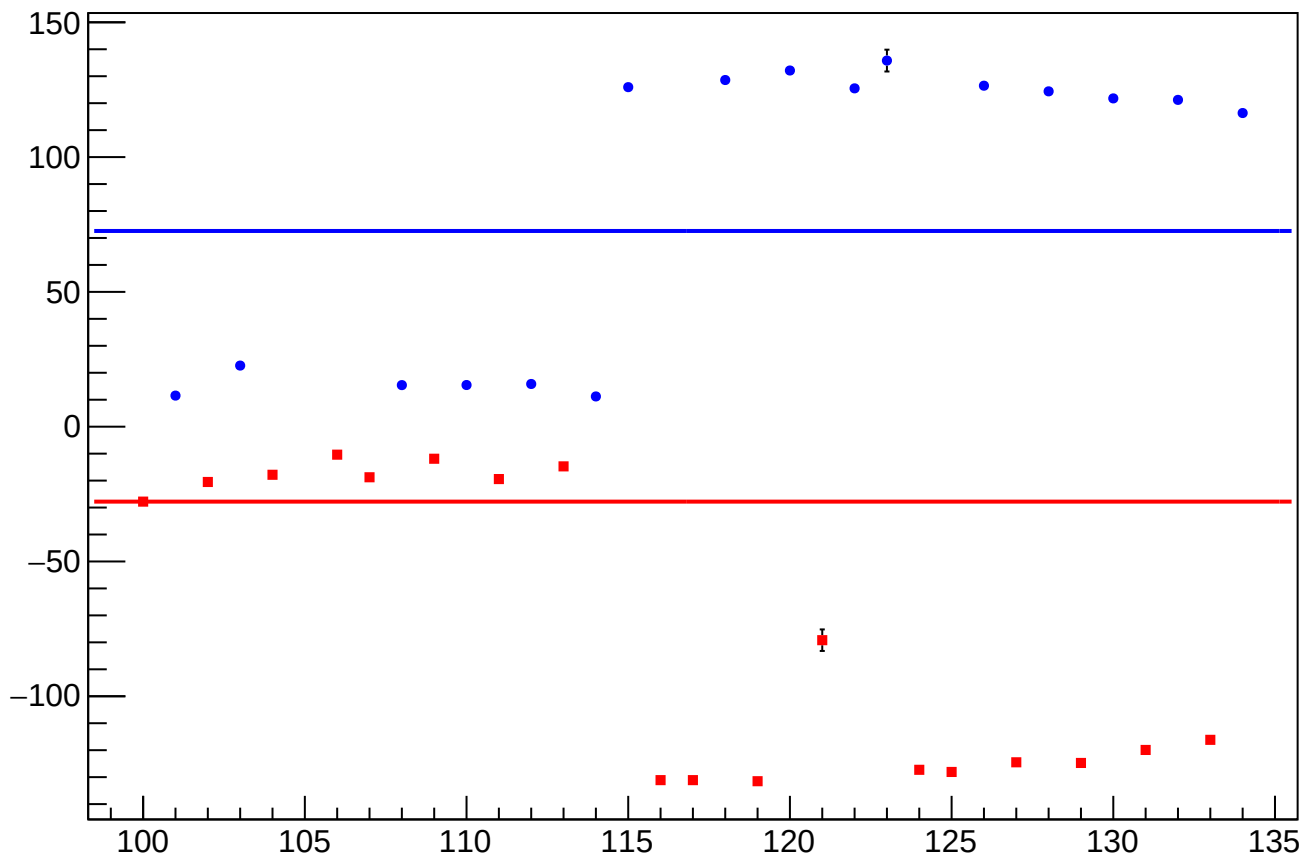
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

36.191+/-0.013  $\chi^2$ /NDF: 212706.0/15

-89.735+/-0.000  $\chi^2$ /NDF: 112253016.7/3

-89.735+/-0.000  $\chi^2$ /NDF: 21842531.9/17

# dit\_sam5\_4eY\_slope vs Slug, Sign Corrected



Right In: 72.596+/-0.038  $\chi^2/\text{NDF}$ : 1942134.8/15

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

Right Out: -27.798+/-0.000  $\chi^2/\text{NDF}$ : 8351977.0/17

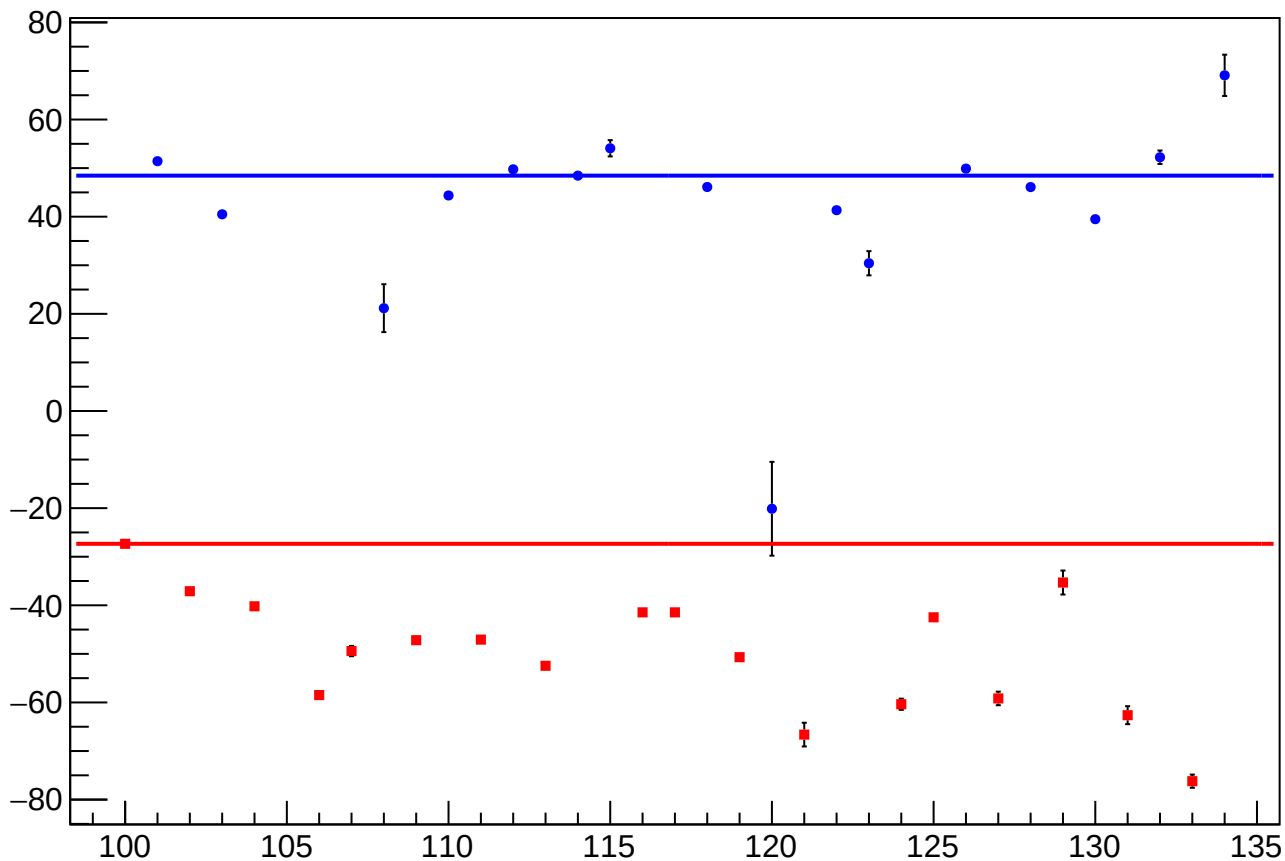
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

72.596+/-0.038  $\chi^2/\text{NDF}$ : 1942134.8/15

-27.798+/-0.000  $\chi^2/\text{NDF}$ : 17297843.2/33

-27.798+/-0.000  $\chi^2/\text{NDF}$ : 8351977.0/17

# dit\_sam6\_4aX\_slope vs Slug, Sign Corrected



Right In: 48.450+/-0.000  $\chi^2$ /NDF: 1096.3/15

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

Right Out: -27.342+/-0.000  $\chi^2$ /NDF: 20128.2/17

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

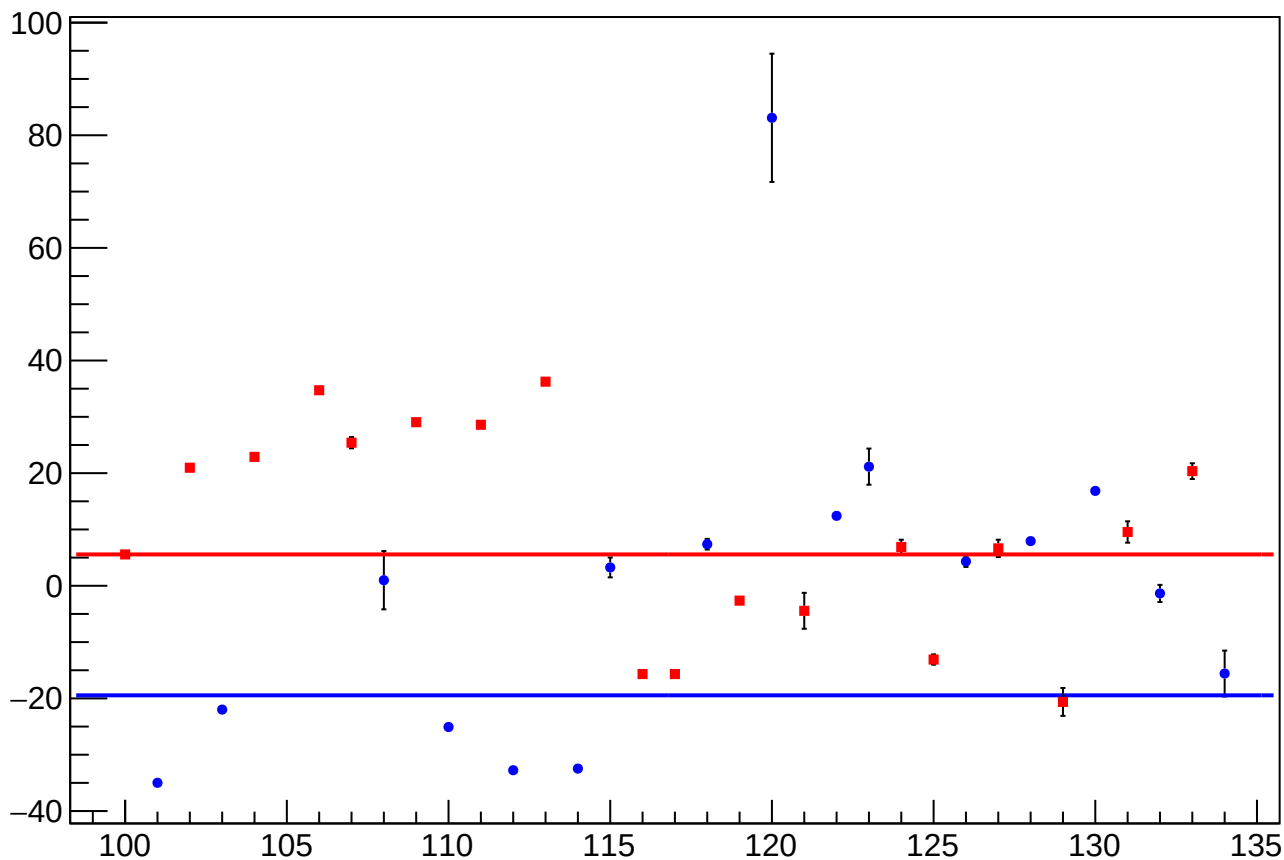
48.450+/-0.000  $\chi^2$ /NDF: 1096.3/15

-23.670+/-0.000  $\chi^2$ /NDF: 132325766337

-27.342+/-0.000  $\chi^2$ /NDF: 20128.2/17



# dit\_sam6\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-19.454 \pm 0.156$   $\chi^2/\text{NDF}: 11579.5/15$

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

Right Out:  $5.568 \pm 0.000$   $\chi^2/\text{NDF}: 23188.1/17$

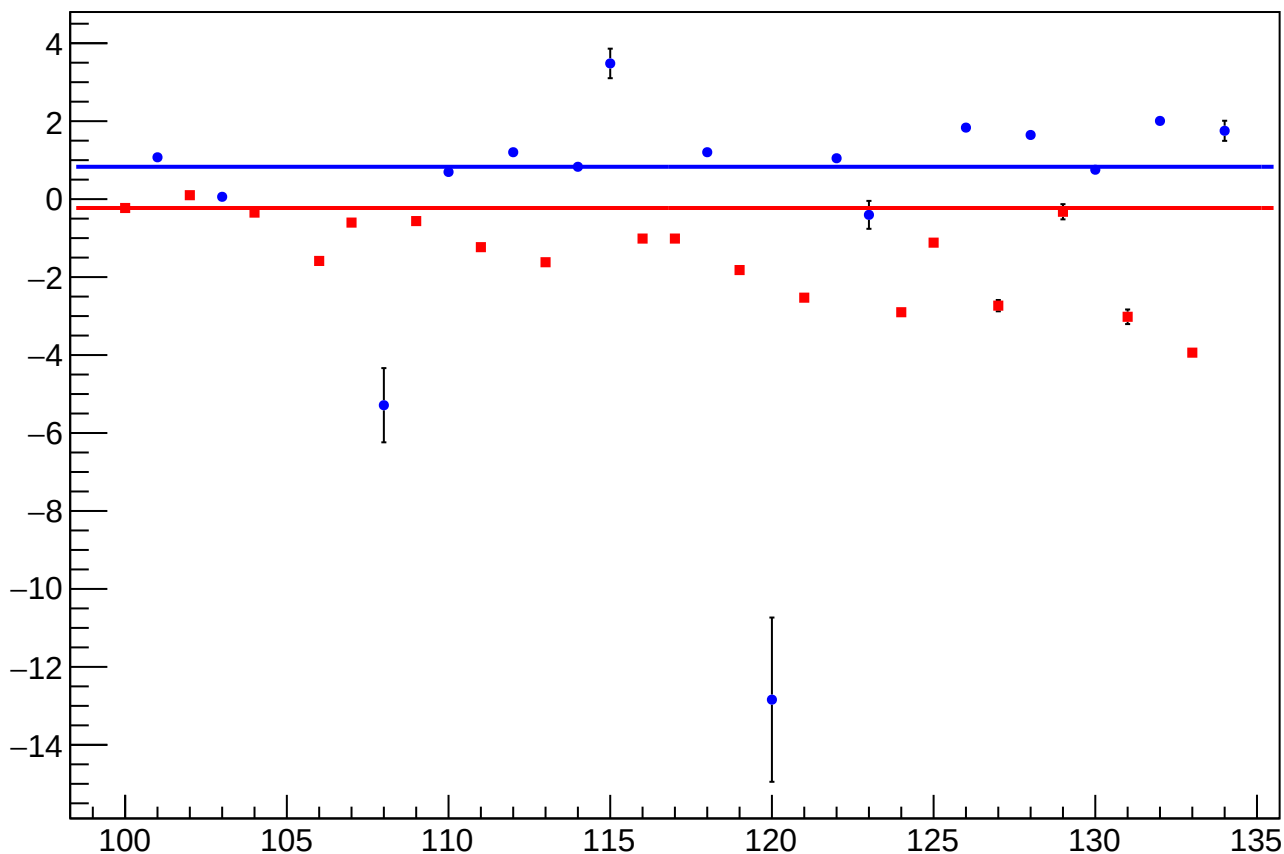
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-19.454 \pm 0.156$   $\chi^2/\text{NDF}: 11579.5/15$

$5.568 \pm 0.000$   $\chi^2/\text{NDF}: 60486.9/33$

$5.568 \pm 0.000$   $\chi^2/\text{NDF}: 23188.1/17$

dit\_sam6\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.830+/-0.000  $\chi^2/\text{NDF}$ : 2787.3/15

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

Right Out: -0.227+/-0.000  $\chi^2/\text{NDF}$ : 12085.3/17

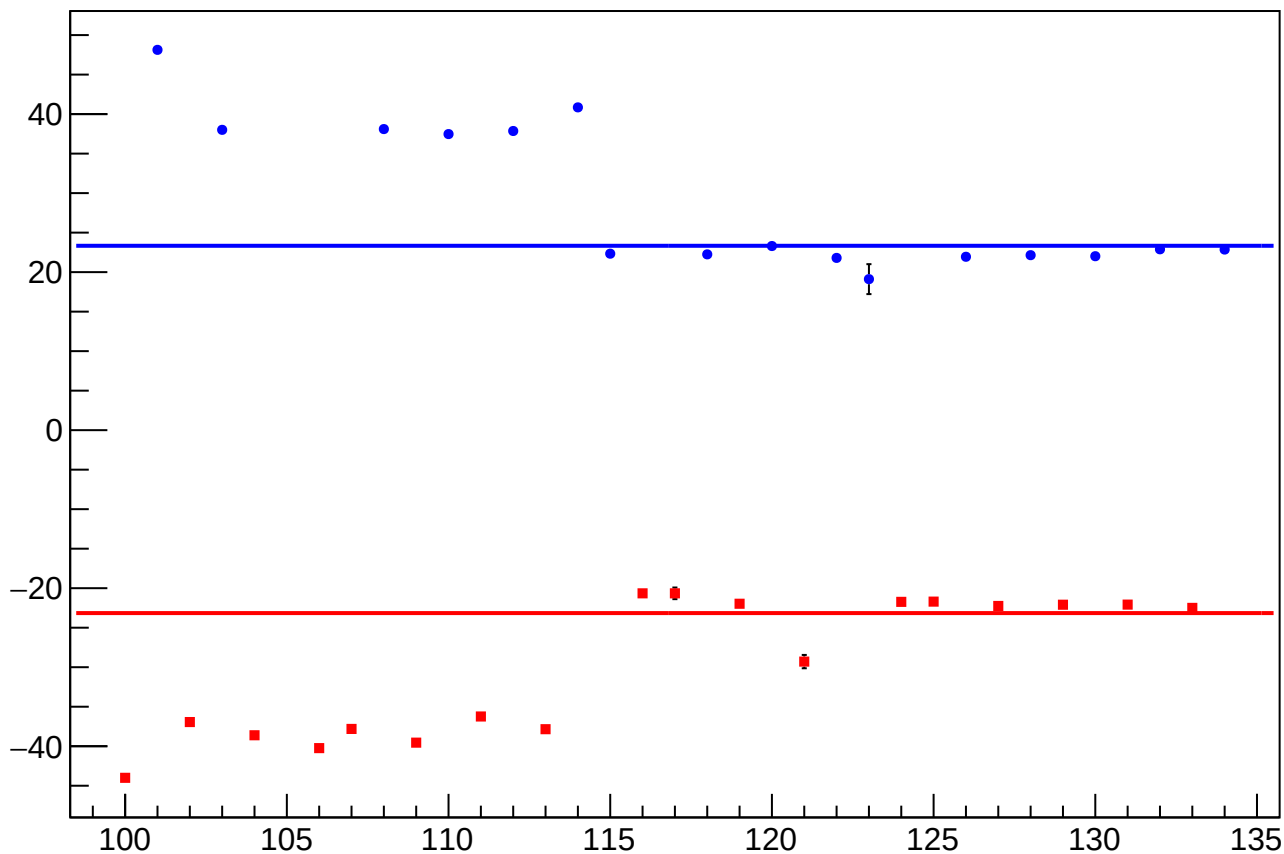
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.830+/-0.000  $\chi^2/\text{NDF}$ : 2787.3/15

-0.119+/-0.000  $\chi^2/\text{NDF}$ : 8952099166794

-0.227+/-0.000  $\chi^2/\text{NDF}$ : 12085.3/17

# dit\_sam6\_4aY\_slope vs Slug, Sign Corrected



Right In: 23.335 $\pm$ 0.013  $\chi^2$ /NDF: 98111.5/15

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

Right Out: -23.150 $\pm$ 0.010  $\chi^2$ /NDF: 164284.1/17

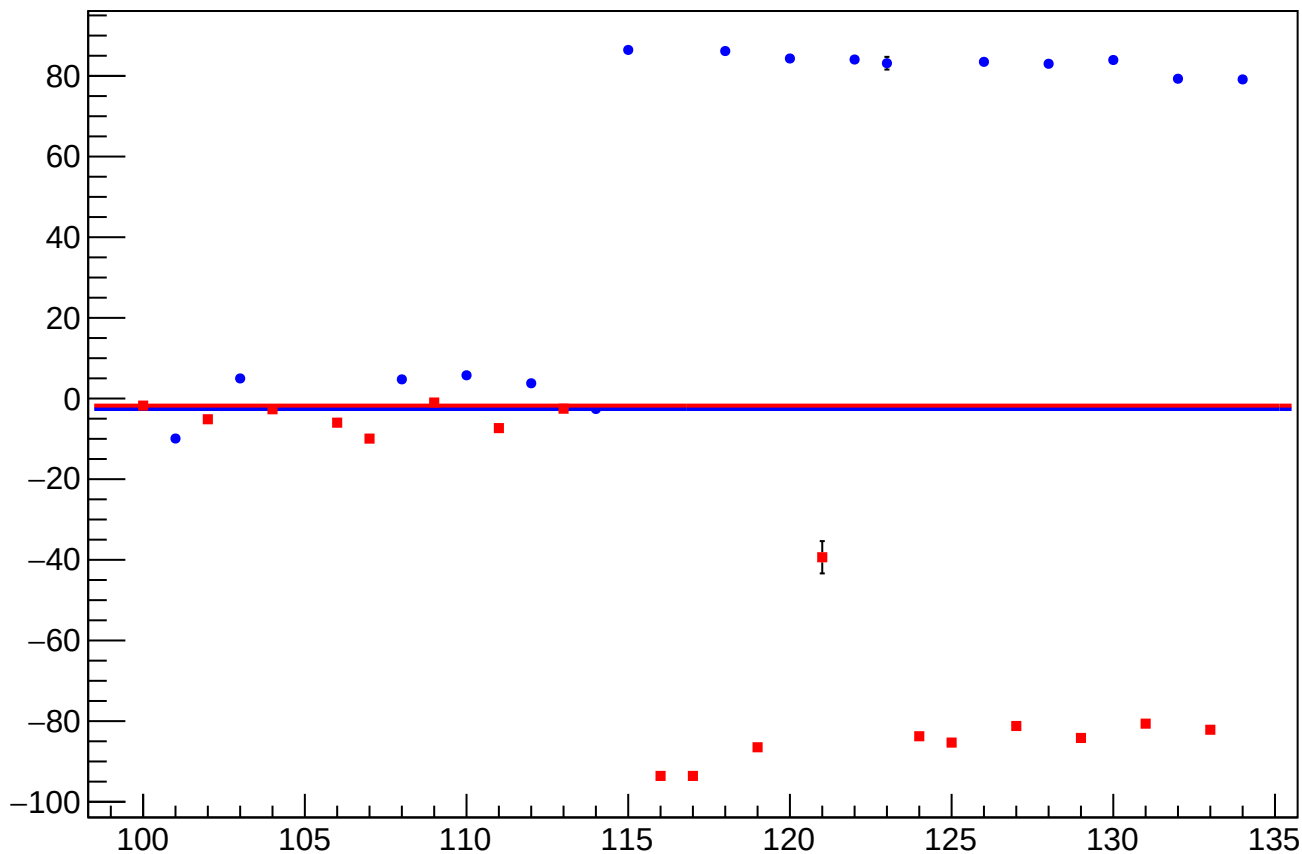
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

23.335 $\pm$ 0.013  $\chi^2$ /NDF: 98111.5/15

-6.907 $\pm$ 0.008  $\chi^2$ /NDF: 8431511.6/33

-23.150 $\pm$ 0.010  $\chi^2$ /NDF: 164284.1/17

# dit\_sam6\_4eY\_slope vs Slug, Sign Corrected



Right In: -2.596+/-0.000  $\chi^2/\text{NDF}$ : 5377401.2/15

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

Right Out: -1.758+/-0.000  $\chi^2/\text{NDF}$ : 3206295.9/17

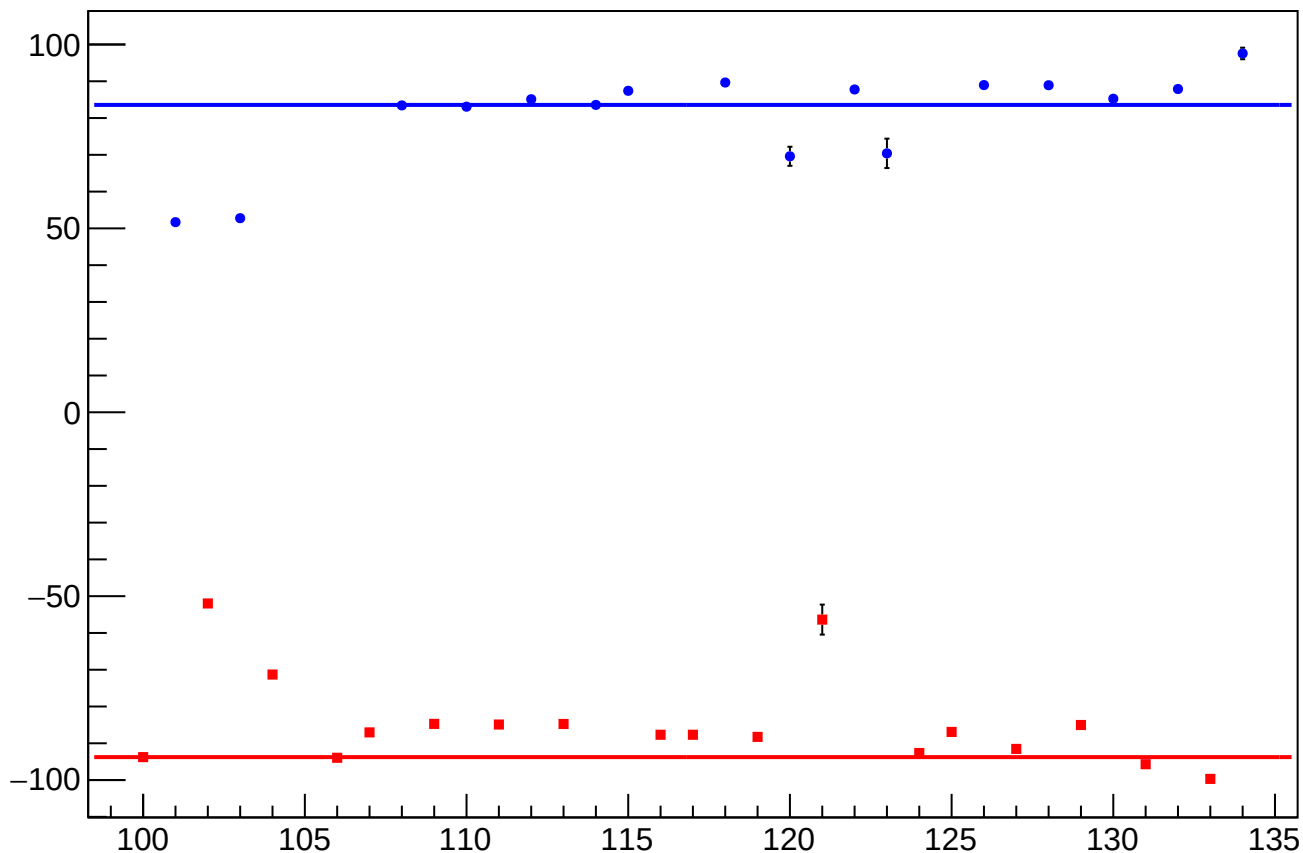
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.596+/-0.000  $\chi^2/\text{NDF}$ : 5377401.2/15

-2.300+/-0.000  $\chi^2/\text{NDF}$ : 1380717163323

-1.758+/-0.000  $\chi^2/\text{NDF}$ : 3206295.9/17

# dit\_sam7\_4aX\_slope vs Slug, Sign Corrected



Right In: 83.573+/-0.000  $\chi^2/\text{NDF}$ : 46911.7/15

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

Right Out: -93.762+/-0.000  $\chi^2/\text{NDF}$ : 80761.9/17

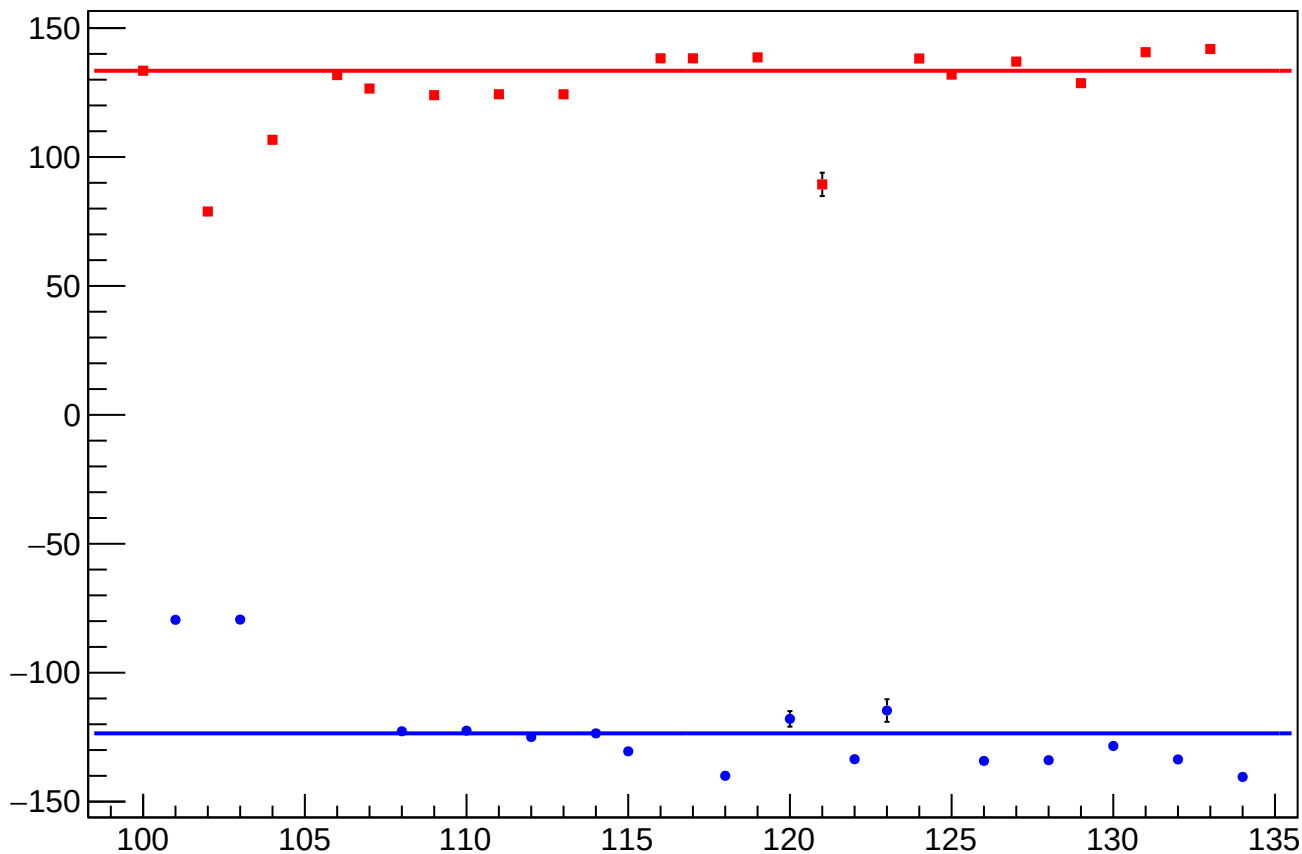
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

83.573+/-0.000  $\chi^2/\text{NDF}$ : 46911.7/15

20.984+/-0.000  $\chi^2/\text{NDF}$ : 6045693090189

-93.762+/-0.000  $\chi^2/\text{NDF}$ : 80761.9/17

# dit\_sam7\_4eX\_slope vs Slug, Sign Corrected



Right In: -123.524+/-0.000  $\chi^2/\text{NDF}$ : 150328.0/15

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

Right Out: 133.456+/-0.000  $\chi^2/\text{NDF}$ : 131573.1/17

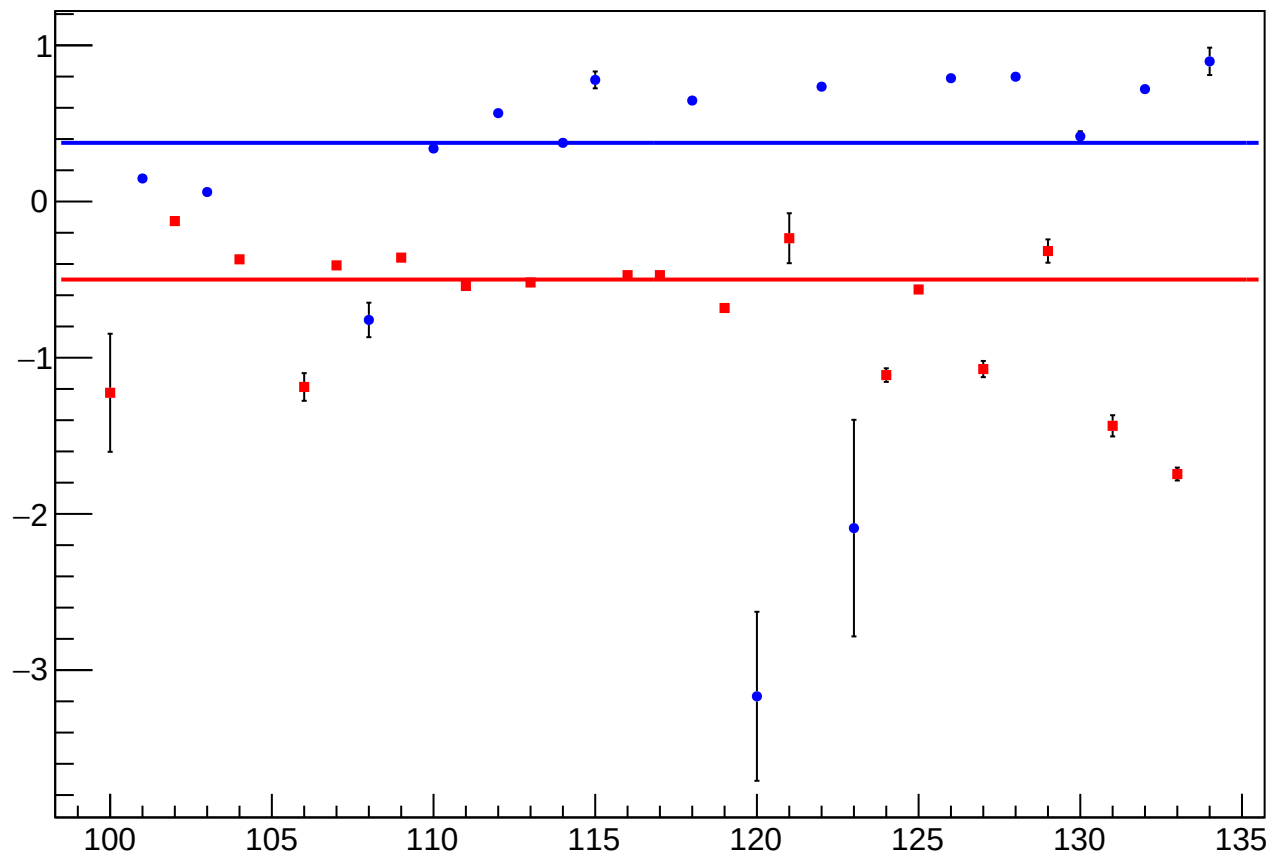
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-123.524+/-0.000  $\chi^2/\text{NDF}$ : 150328.0/15

-92.687+/-0.000  $\chi^2/\text{NDF}$ : 431650658224.0

133.456+/-0.000  $\chi^2/\text{NDF}$ : 131573.1/17

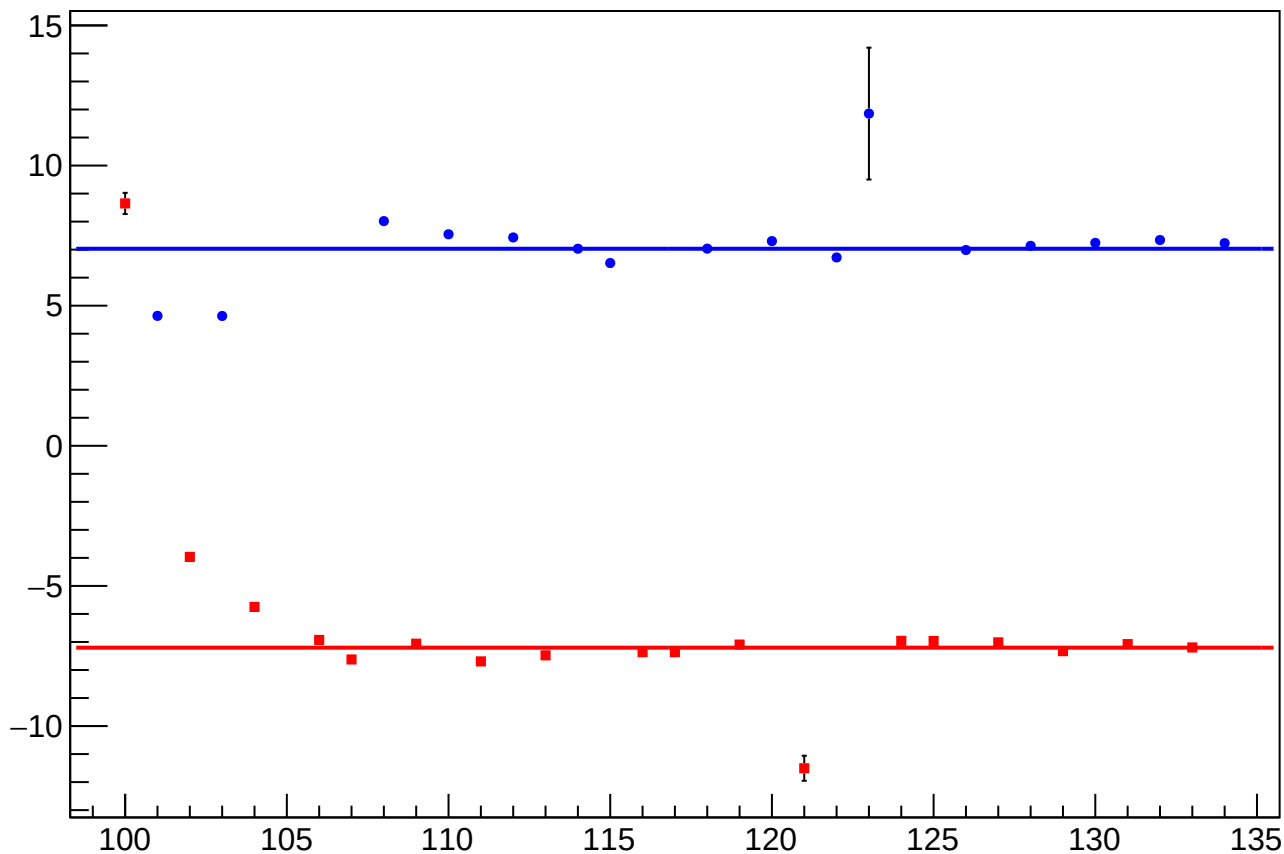
# dit\_sam7\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.376+/-0.000  $\chi^2/\text{NDF}$ : 3649.8/15  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -0.500+/-0.003  $\chi^2/\text{NDF}$ : 2353.1/17  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.376+/-0.000  $\chi^2/\text{NDF}$ : 3649.8/15  
 0.376+/-0.000  $\chi^2/\text{NDF}$ : 72095.6/33  
 -0.500+/-0.003  $\chi^2/\text{NDF}$ : 2353.1/17

# dit\_sam7\_4aY\_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000  $\chi^2$ /NDF: 10484.4/15

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

Right Out: -7.203 $\pm$ 0.003  $\chi^2$ /NDF: 9311.1/17

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

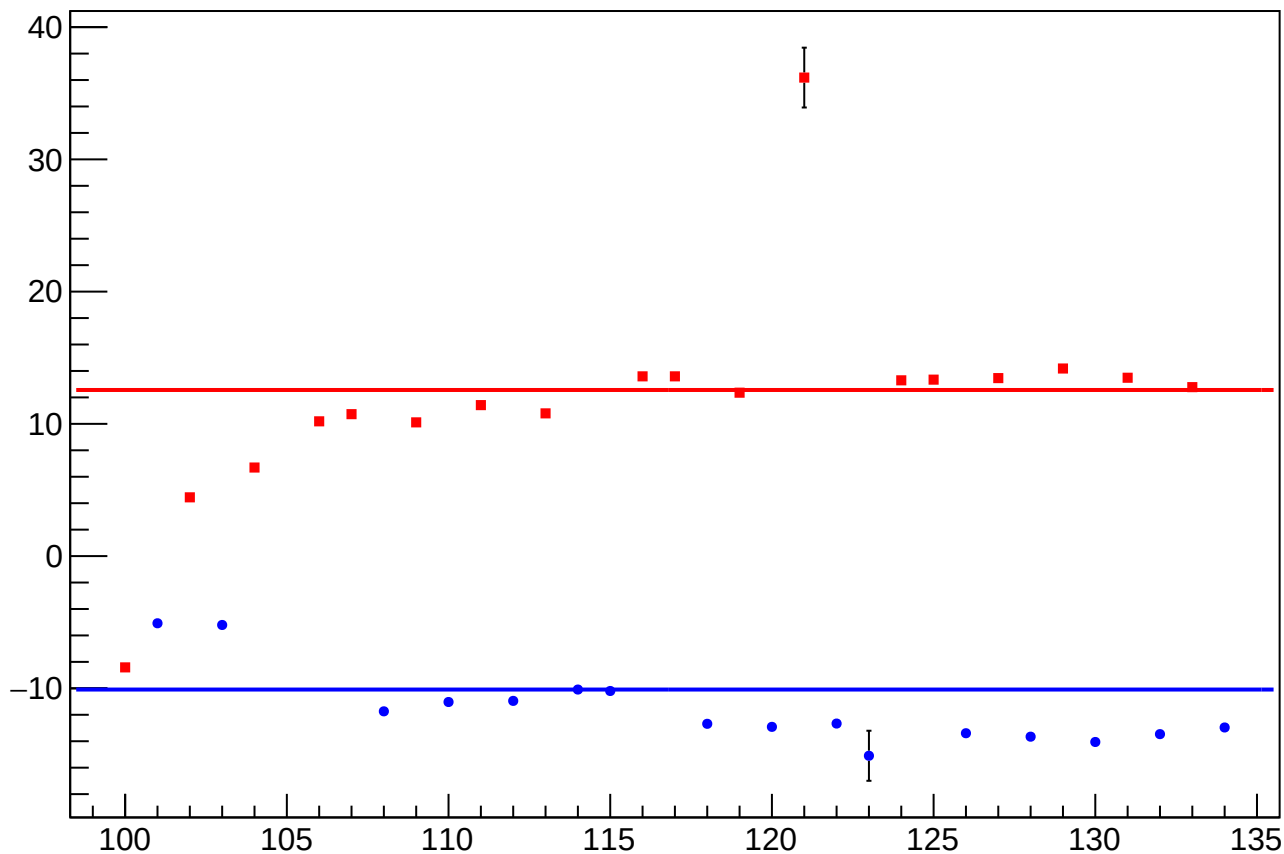
7.032 $\pm$ 0.000  $\chi^2$ /NDF: 10484.4/15

7.032 $\pm$ 0.000  $\chi^2$ /NDF: 29577493.2/33

-7.203 $\pm$ 0.003  $\chi^2$ /NDF: 9311.1/17



# dit\_sam7\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-10.092 \pm 0.000$   $\chi^2/\text{NDF}$ : 384682.3/15

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

Right Out:  $12.561 \pm 0.004$   $\chi^2/\text{NDF}$ : 106690.0/17

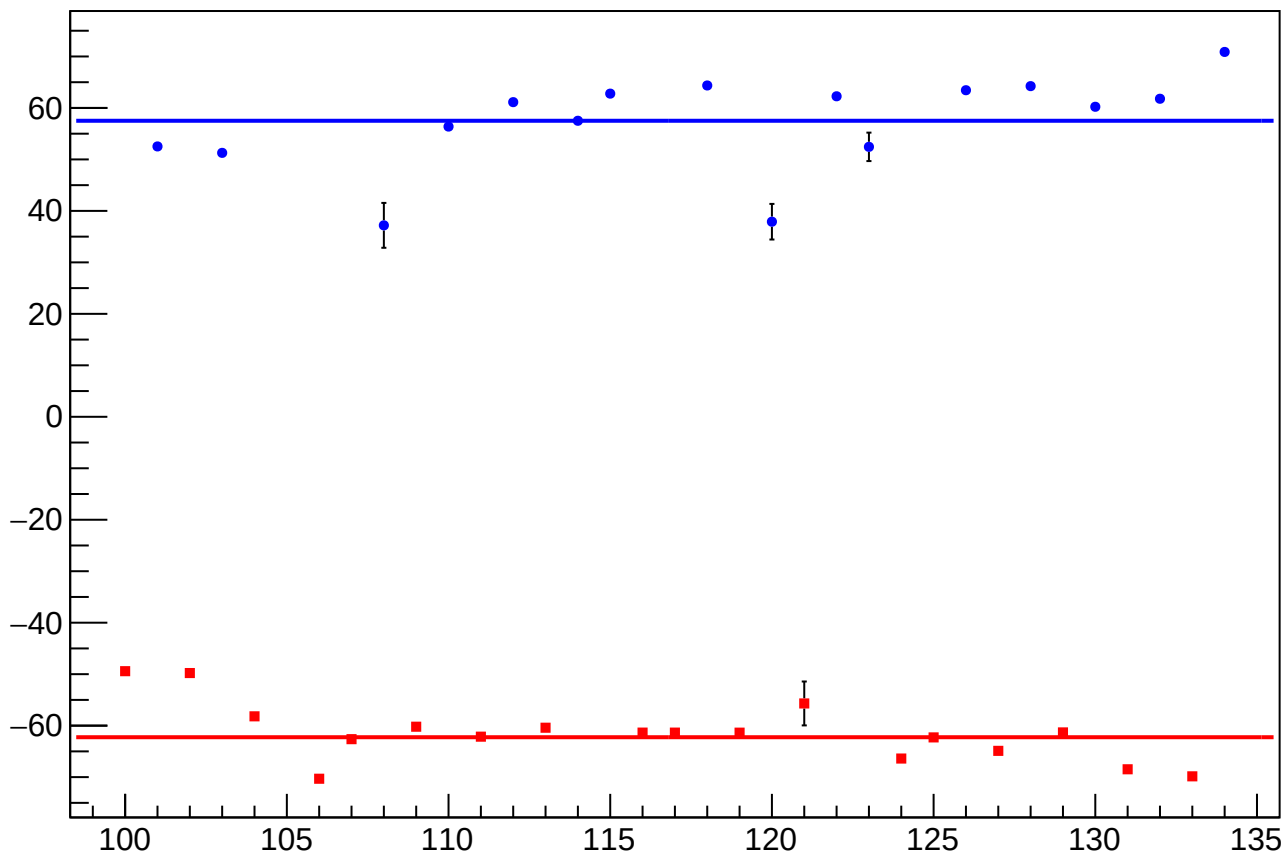
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-10.092 \pm 0.000$   $\chi^2/\text{NDF}$ : 384682.3/15

$-10.092 \pm 0.000$   $\chi^2/\text{NDF}$ : 35838951.7/33

$12.561 \pm 0.004$   $\chi^2/\text{NDF}$ : 106690.0/17

# dit\_sam8\_4aX\_slope vs Slug, Sign Corrected



Right In: 57.510 $\pm$ 0.000  $\chi^2$ /NDF: 5813.3/15

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

Right Out: -62.250 $\pm$ 0.065  $\chi^2$ /NDF: 3569.2/17

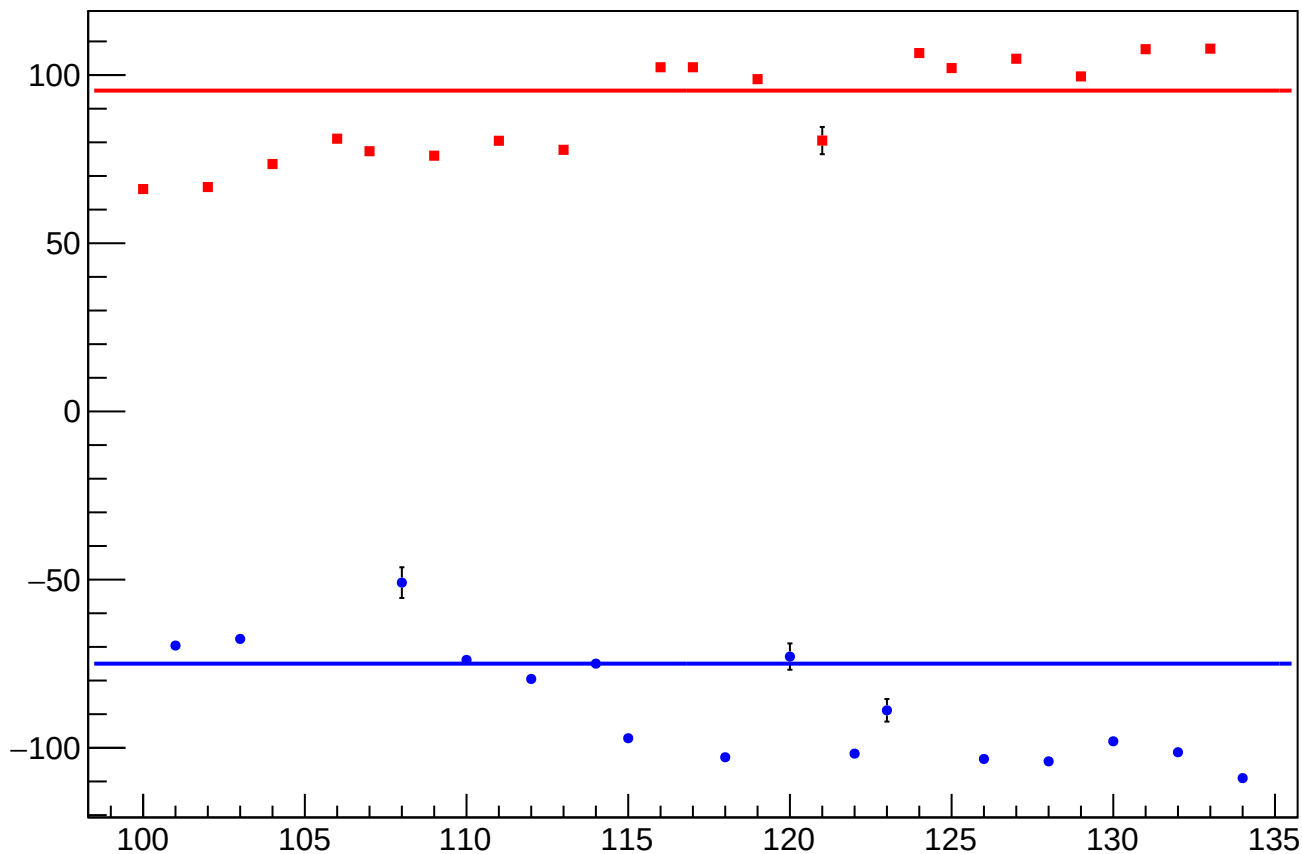
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

57.510 $\pm$ 0.000  $\chi^2$ /NDF: 5813.3/15

57.510 $\pm$ 0.000  $\chi^2$ /NDF: 3432326.1/33

-62.250 $\pm$ 0.065  $\chi^2$ /NDF: 3569.2/17

# dit\_sam8\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-74.974 \pm 0.000$   $\chi^2/\text{NDF}: 101165.1/15$

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

Right Out:  $95.379 \pm 0.067$   $\chi^2/\text{NDF}: 38405.9/17$

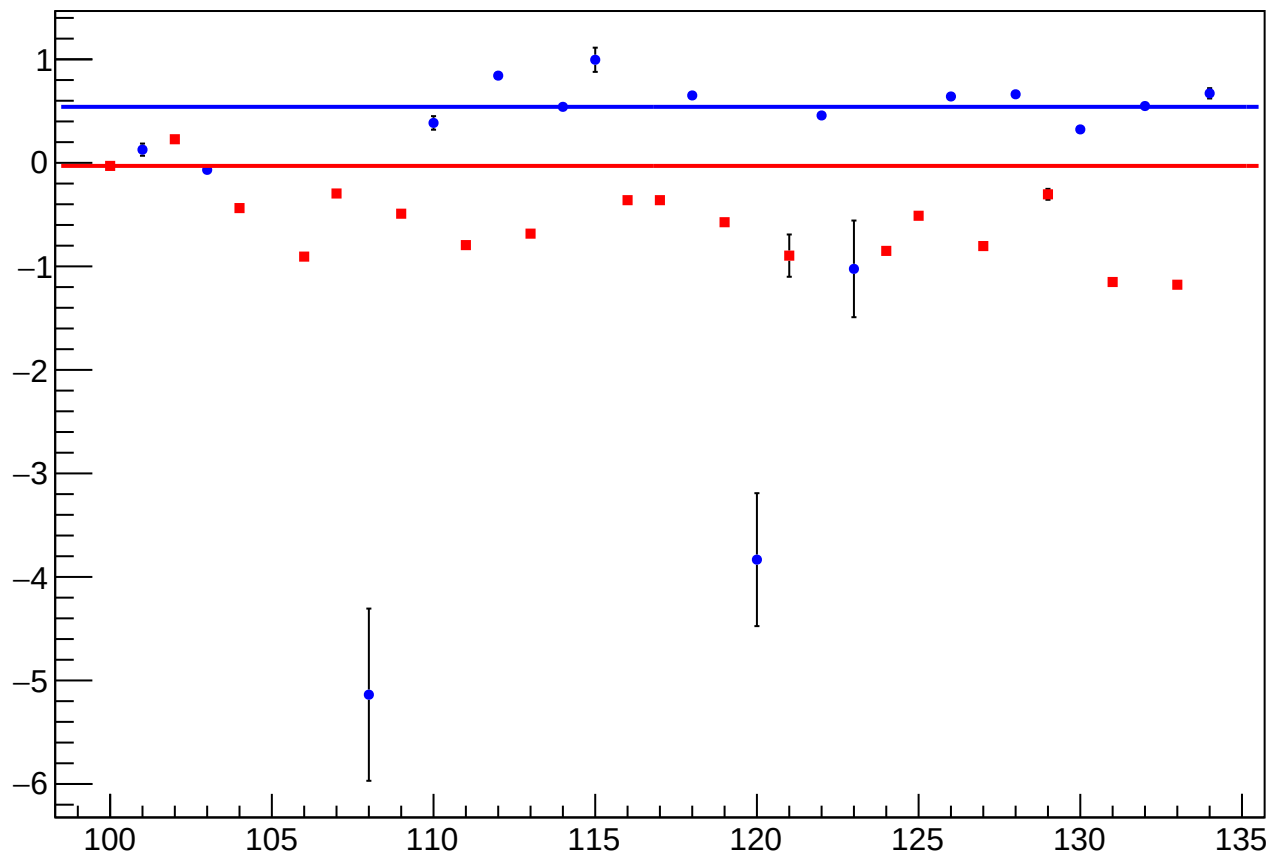
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-74.974 \pm 0.000$   $\chi^2/\text{NDF}: 101165.1/15$

$-74.974 \pm 0.000$   $\chi^2/\text{NDF}: 6550241.7/33$

$95.379 \pm 0.067$   $\chi^2/\text{NDF}: 38405.9/17$

dit\_sam8\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.000  $\chi^2/\text{NDF}$ : 1694.7/15

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

Right Out: -0.030+/-0.000  $\chi^2/\text{NDF}$ : 22882.7/17

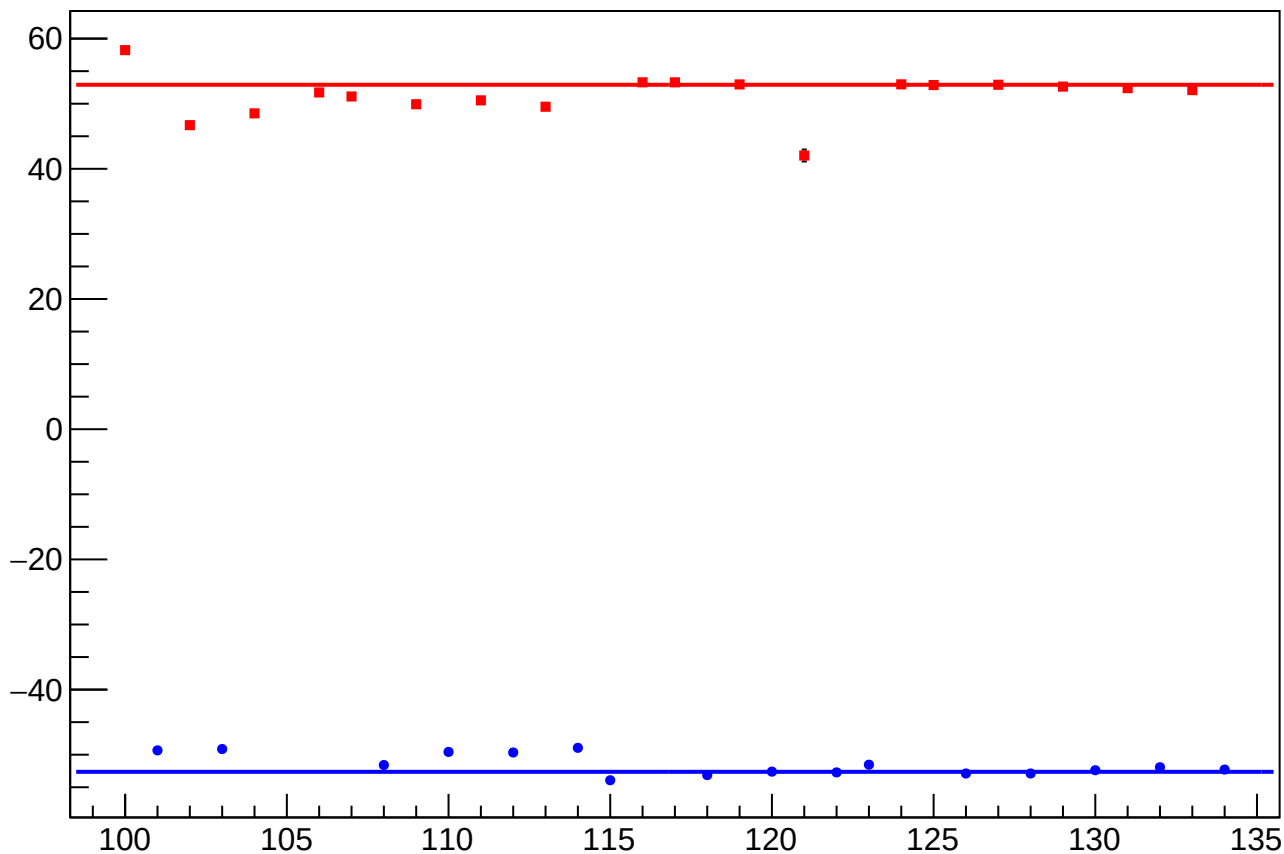
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.541+/-0.000  $\chi^2/\text{NDF}$ : 1694.7/15

-0.028+/-0.000  $\chi^2/\text{NDF}$ : 29006030357409

-0.030+/-0.000  $\chi^2/\text{NDF}$ : 22882.7/17

# dit\_sam8\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-52.628 \pm 0.004$   $\chi^2/\text{NDF}: 25428.1/15$

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

Right Out:  $52.907 \pm 0.003$   $\chi^2/\text{NDF}: 17924.4/17$

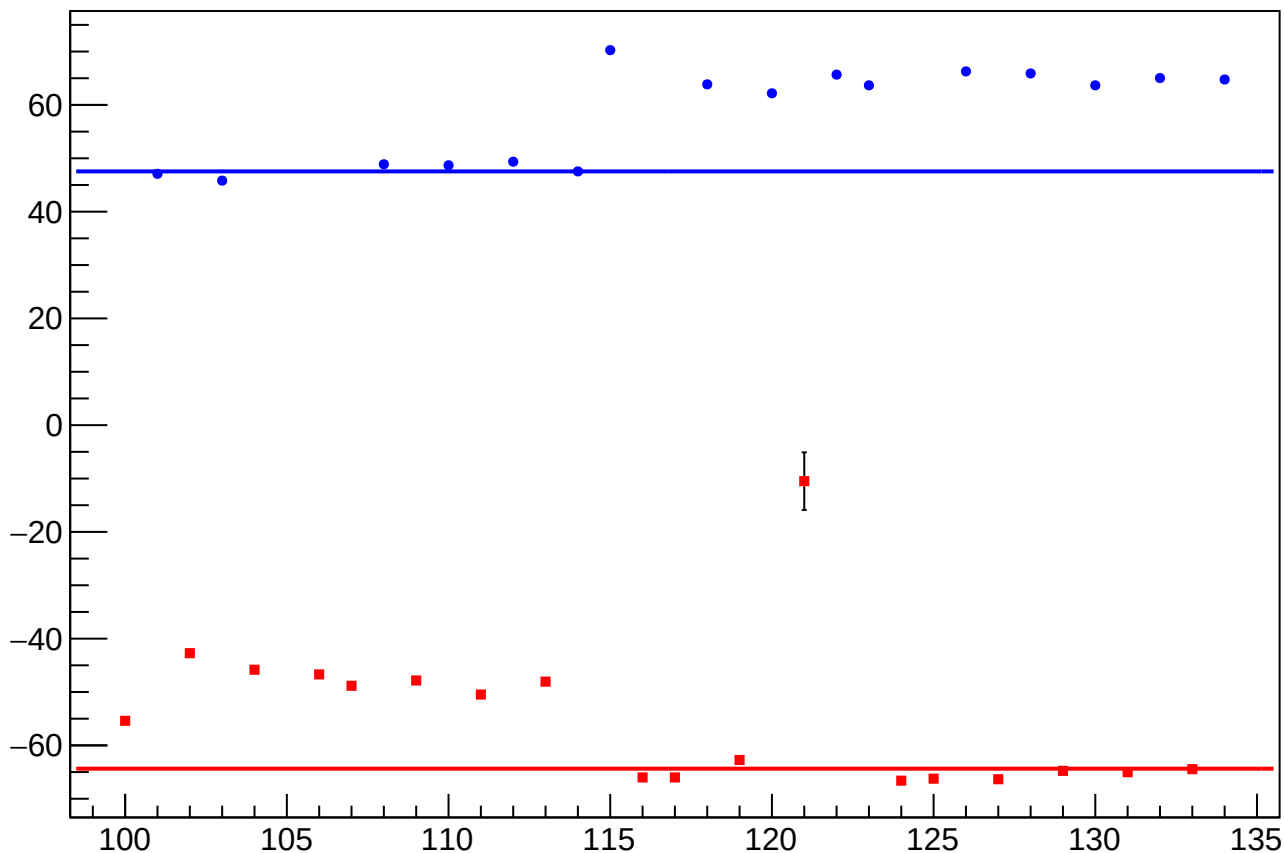
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-52.628 \pm 0.004$   $\chi^2/\text{NDF}: 25428.1/15$

$17.628 \pm 0.002$   $\chi^2/\text{NDF}: 479729065.7/33$

$52.907 \pm 0.003$   $\chi^2/\text{NDF}: 17924.4/17$

# dit\_sam8\_4eY\_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000  $\chi^2$ /NDF: 2375407.0/15

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

Right Out: -64.366+/-0.009  $\chi^2$ /NDF: 267052.9/17

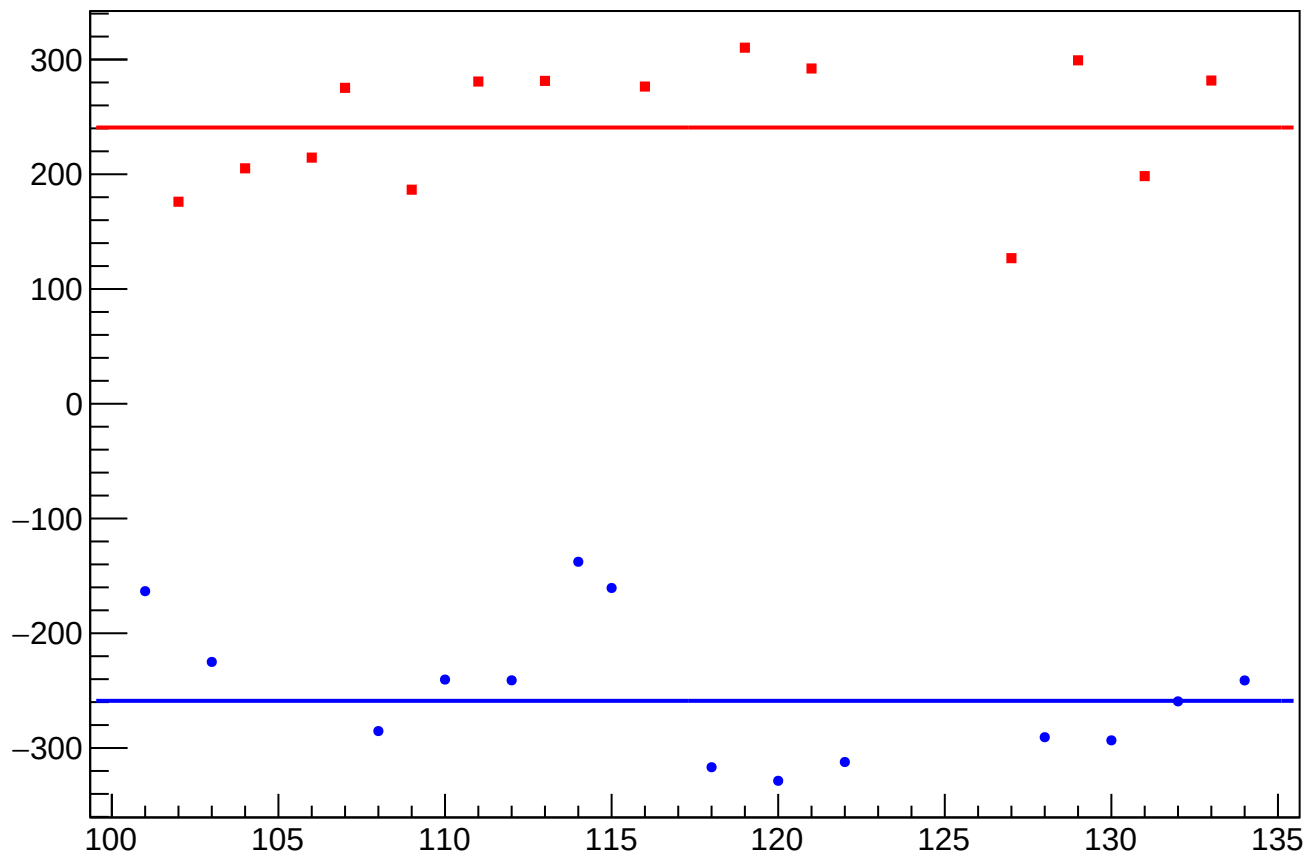
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

47.545+/-0.000  $\chi^2$ /NDF: 2375407.0/15

47.545+/-0.000  $\chi^2$ /NDF: 168486177.4/33

-64.366+/-0.009  $\chi^2$ /NDF: 267052.9/17

# dit\_4aX\_coil1\_mean vs Slug, Sign Corrected



Right In: -258.889+/-0.000  $\chi^2/\text{NDF}$ : 1537765747246645352825367451559526400.0/13

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

Right Out: 240.749+/-0.000  $\chi^2/\text{NDF}$ : 1897678713629658740631301212656893952.0/13

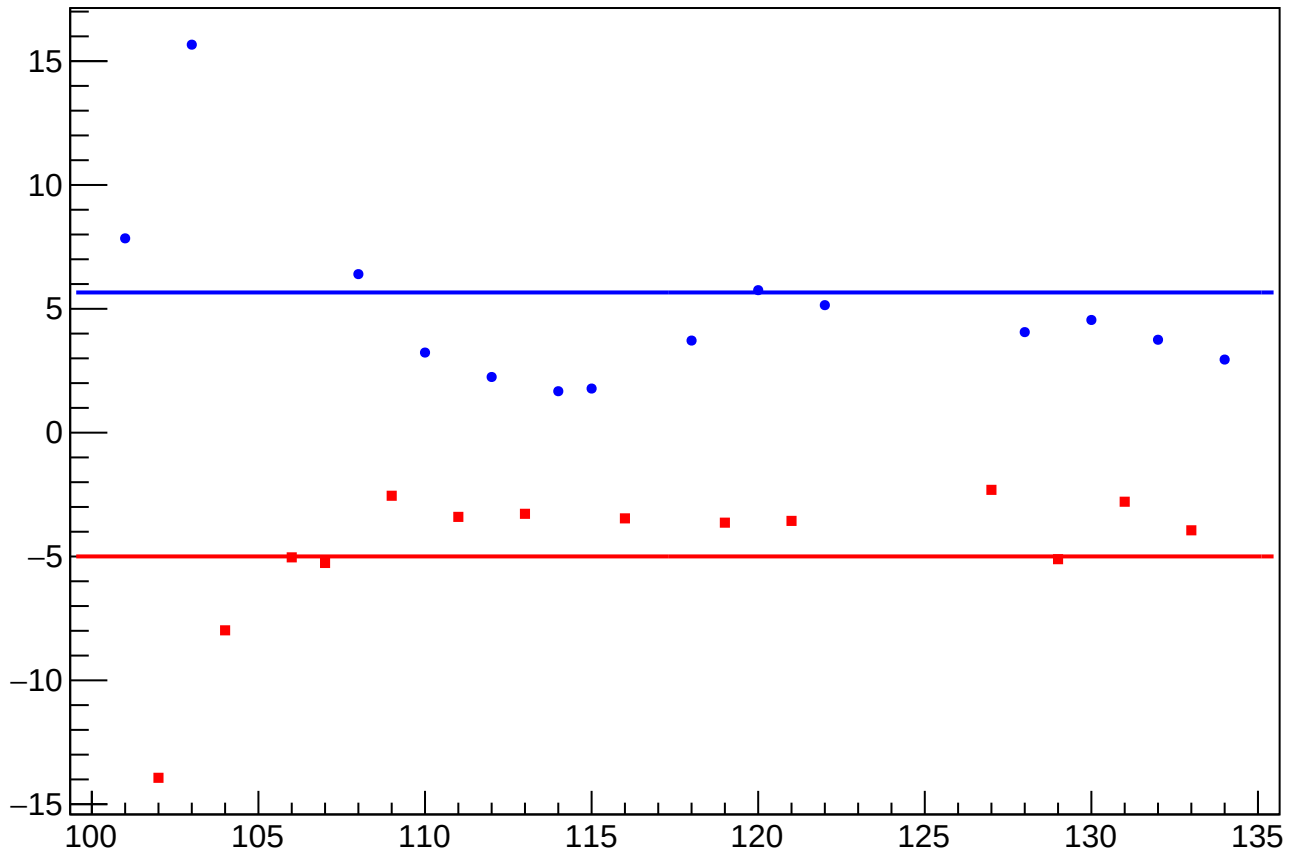
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-258.889+/-0.000  $\chi^2/\text{NDF}$ : 1537765747246645

-0.678+/-0.000  $\chi^2/\text{NDF}$ : 75811076556495

240.749+/-0.000  $\chi^2/\text{NDF}$ : 18976787136296587

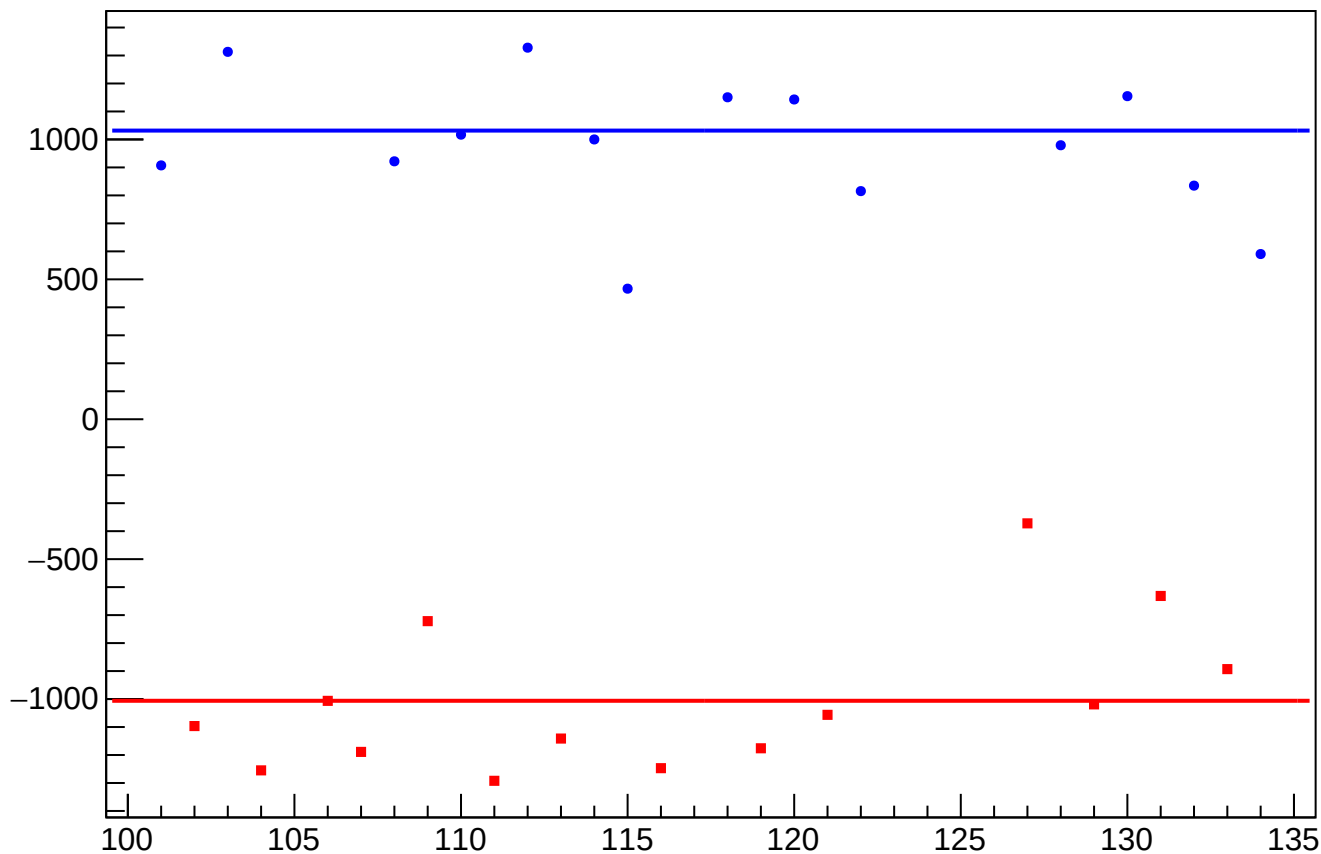
dit\_4aX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 5.660 $\pm$ 0.000  $\chi^2$ /NDF: 8077956431188075580556178794479616.0/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -4.997 $\pm$ 0.000  $\chi^2$ /NDF: 6426582457038285403465694117363712.0/13  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_4aX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

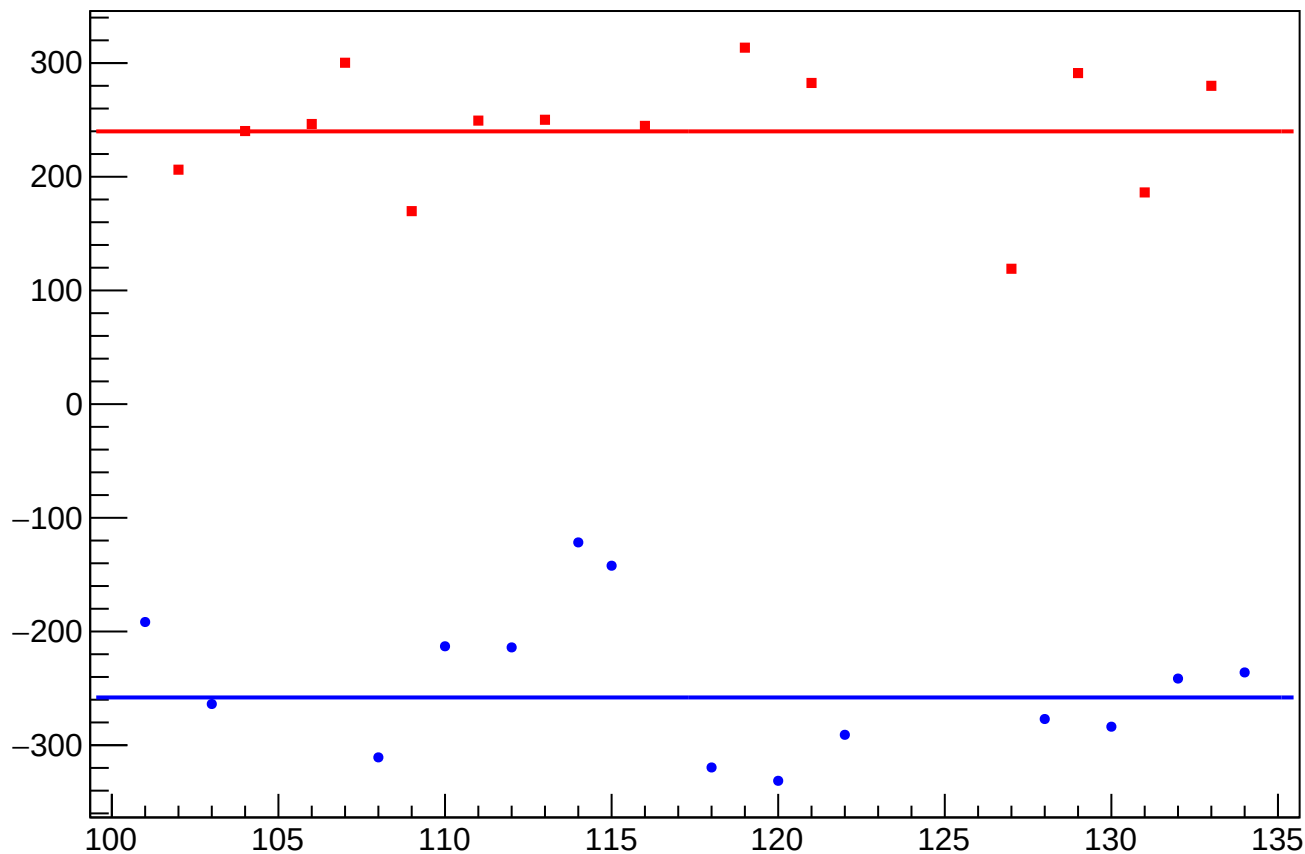
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_4eX\_coil1\_mean vs Slug, Sign Corrected



Right In: -258.014+/-0.000  $\chi^2/\text{NDF}$ : 1424830030798817900117800513907458048.0/13

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

Right Out: 239.918+/-0.000  $\chi^2/\text{NDF}$ : 17284027969736900602713891251242926080.0/13

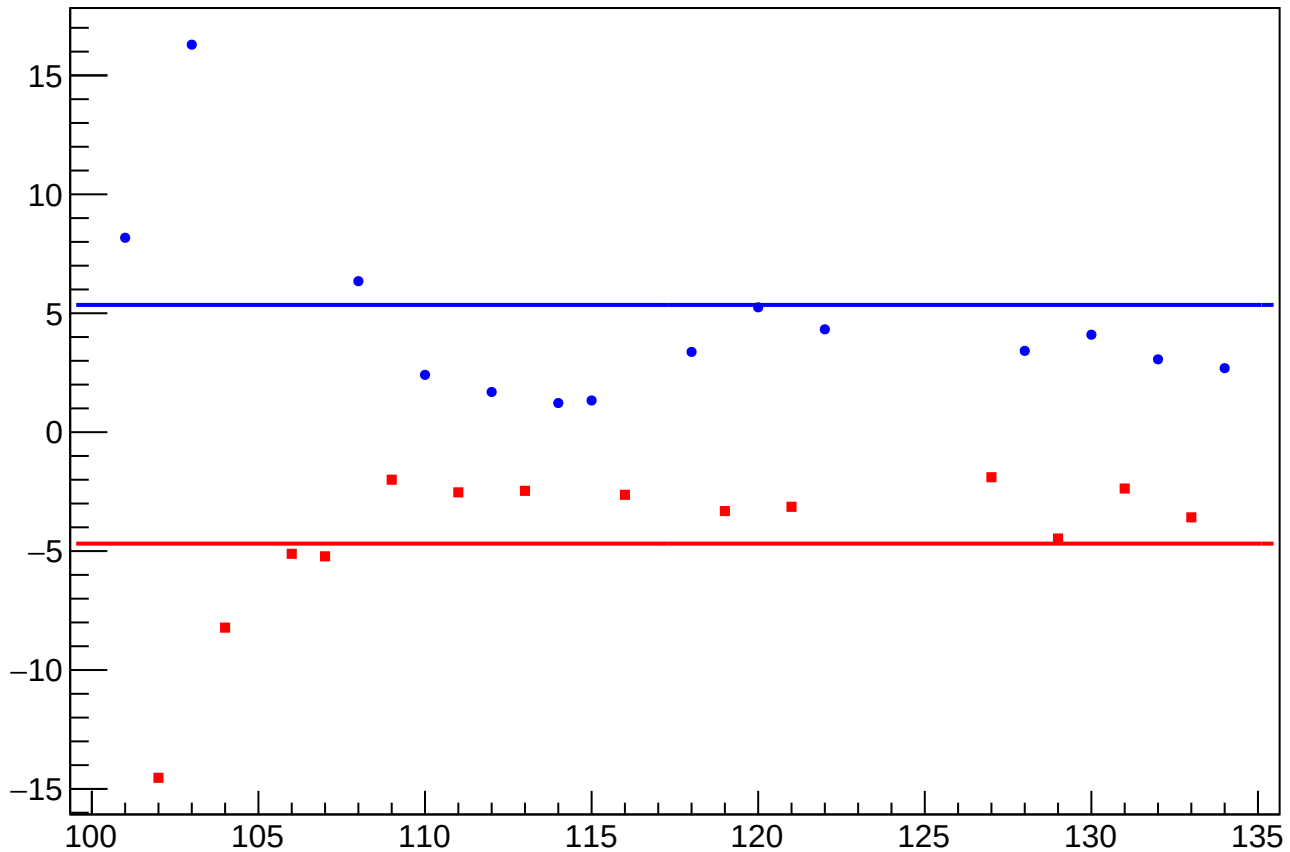
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-258.014+/-0.000  $\chi^2/\text{NDF}$ : 1424830030798817

-0.685+/-0.000  $\chi^2/\text{NDF}$ : 7503554218022

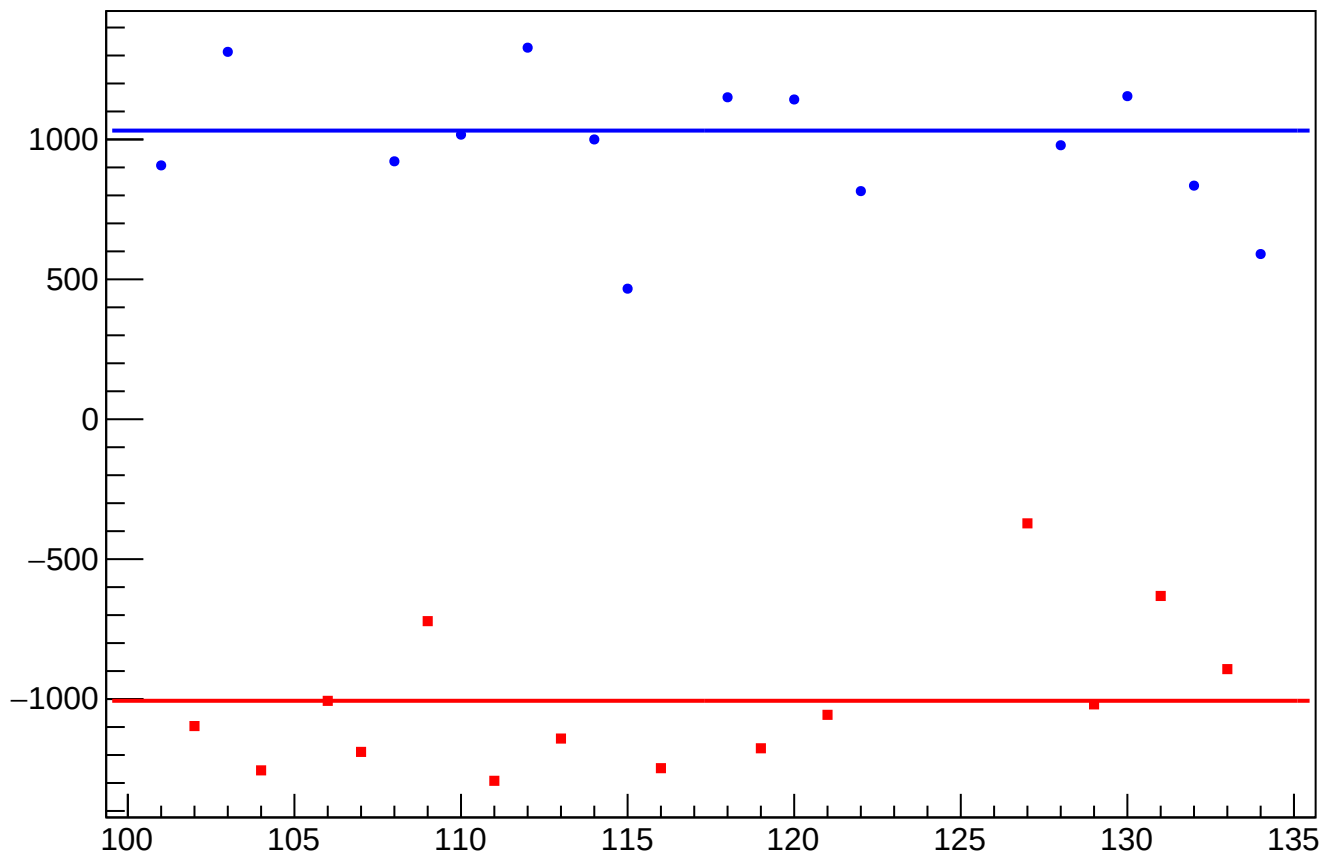
239.918+/-0.000  $\chi^2/\text{NDF}$ : 17284027969736900

dit\_4eX\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 5.350+/-0.000  $\chi^2/\text{NDF}$ : 9831765816251249727331402917085184.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -4.686+/-0.000  $\chi^2/\text{NDF}$ : 7967832032475046285746373111316480.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

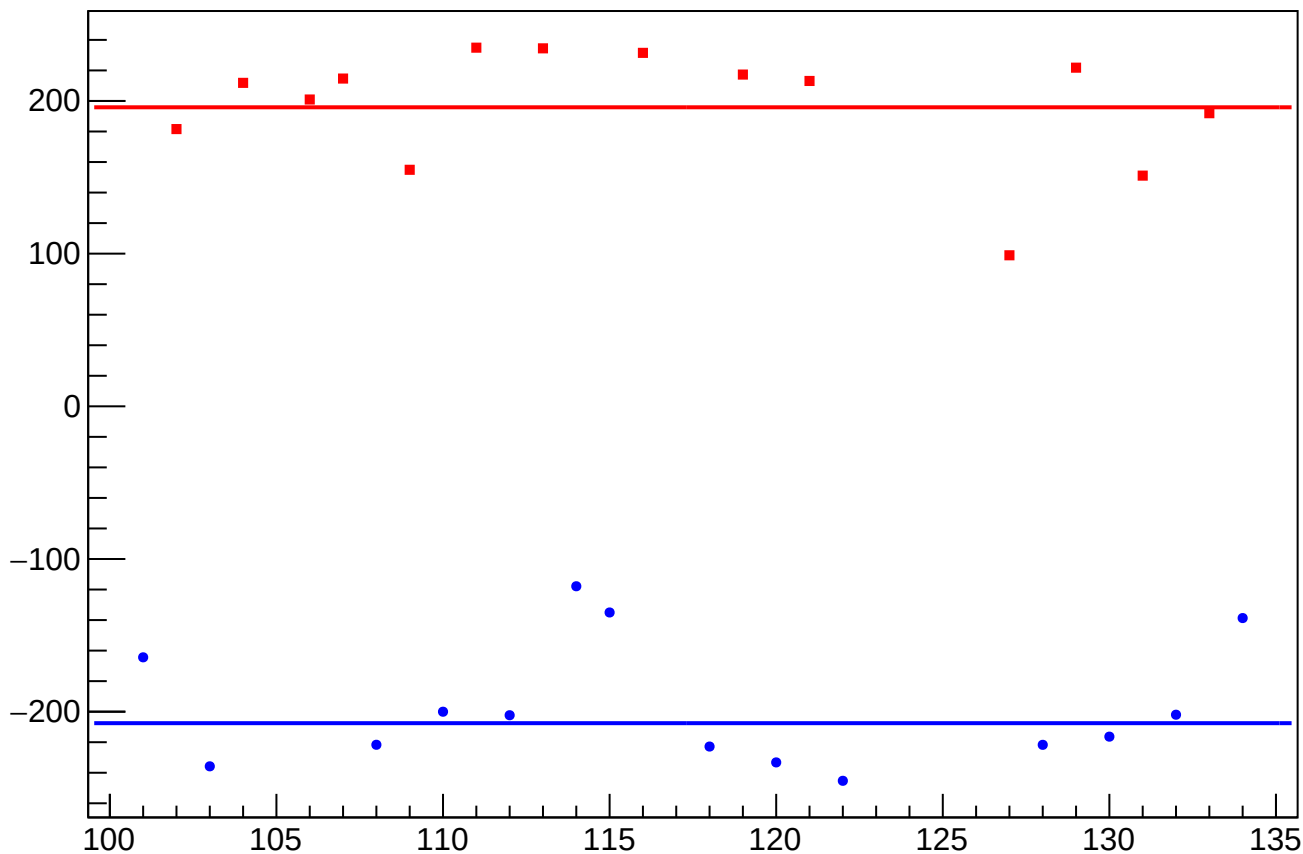
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_11X12X\_coil1\_mean vs Slug, Sign Corrected



Right In: -207.529+/-0.000  $\chi^2/\text{NDF}$ : 536819408409009493255440736492453888.0/13

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

Right Out: 195.854+/-0.000  $\chi^2/\text{NDF}$ : 837167677084303222340206997631139840.0/13

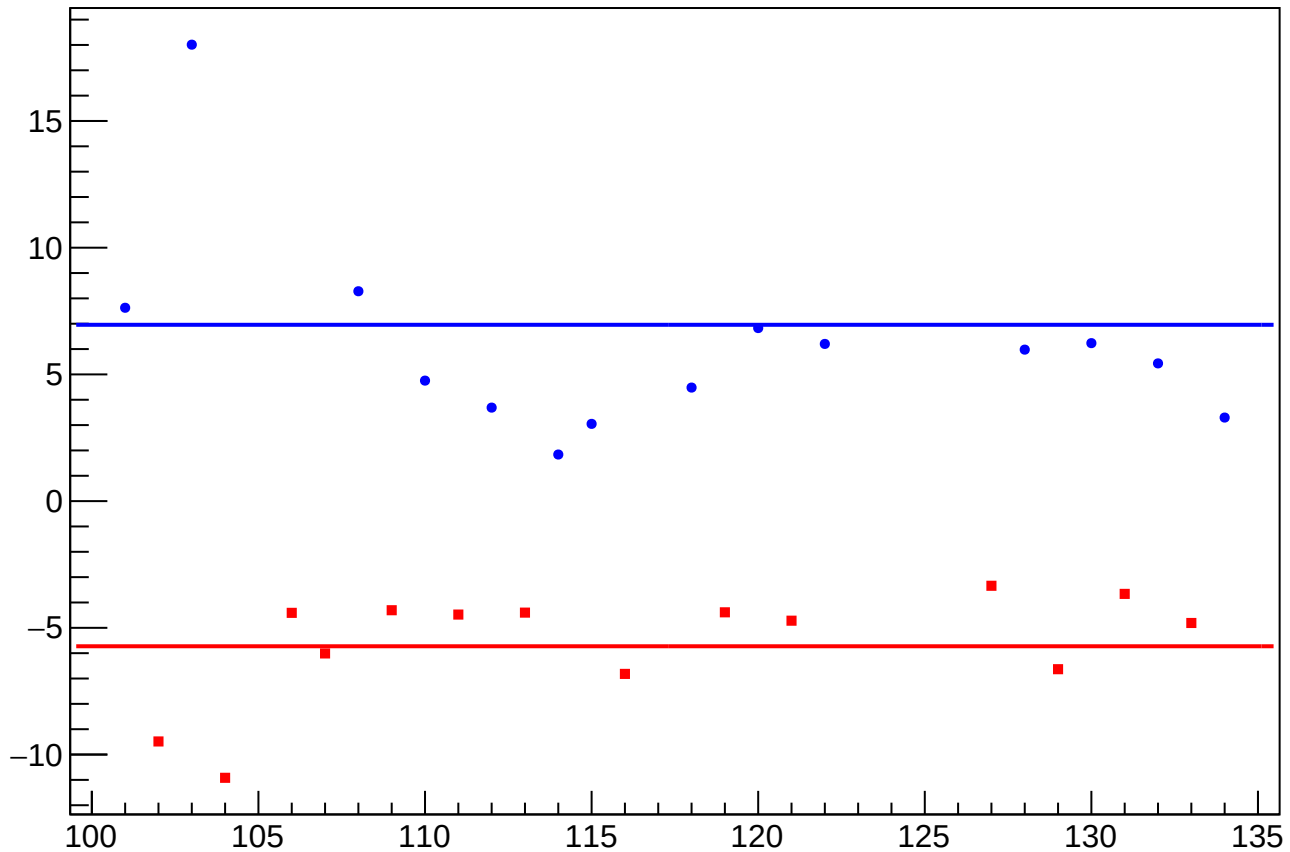
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-207.529+/-0.000  $\chi^2/\text{NDF}$ : 5368194084090094

0.937+/-0.000  $\chi^2/\text{NDF}$ : 48549443754482

195.854+/-0.000  $\chi^2/\text{NDF}$ : 83716767708430322

dit\_11X12X\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 6.958+/-0.000  $\chi^2/\text{NDF}$ : 9300228772393994700205254730842112.0/13

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

Right Out: -5.727+/-0.000  $\chi^2/\text{NDF}$ : 3143977111916436048927805159768064.0/13

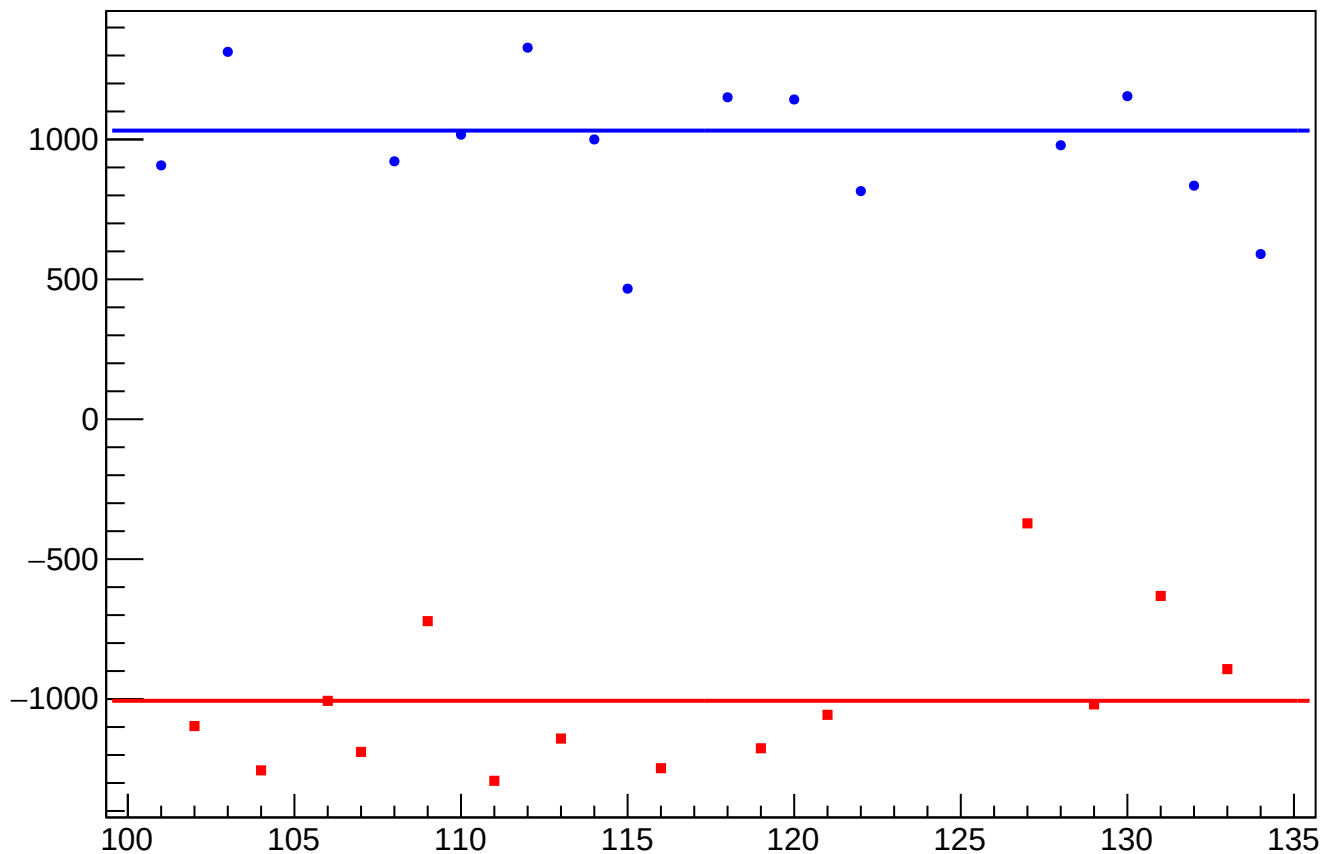
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.958+/-0.000  $\chi^2/\text{NDF}$ : 9300228772393994700

0.402+/-0.000  $\chi^2/\text{NDF}$ : 59093933066065

-5.727+/-0.000  $\chi^2/\text{NDF}$ : 314397711191643604

dit\_11X12X\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

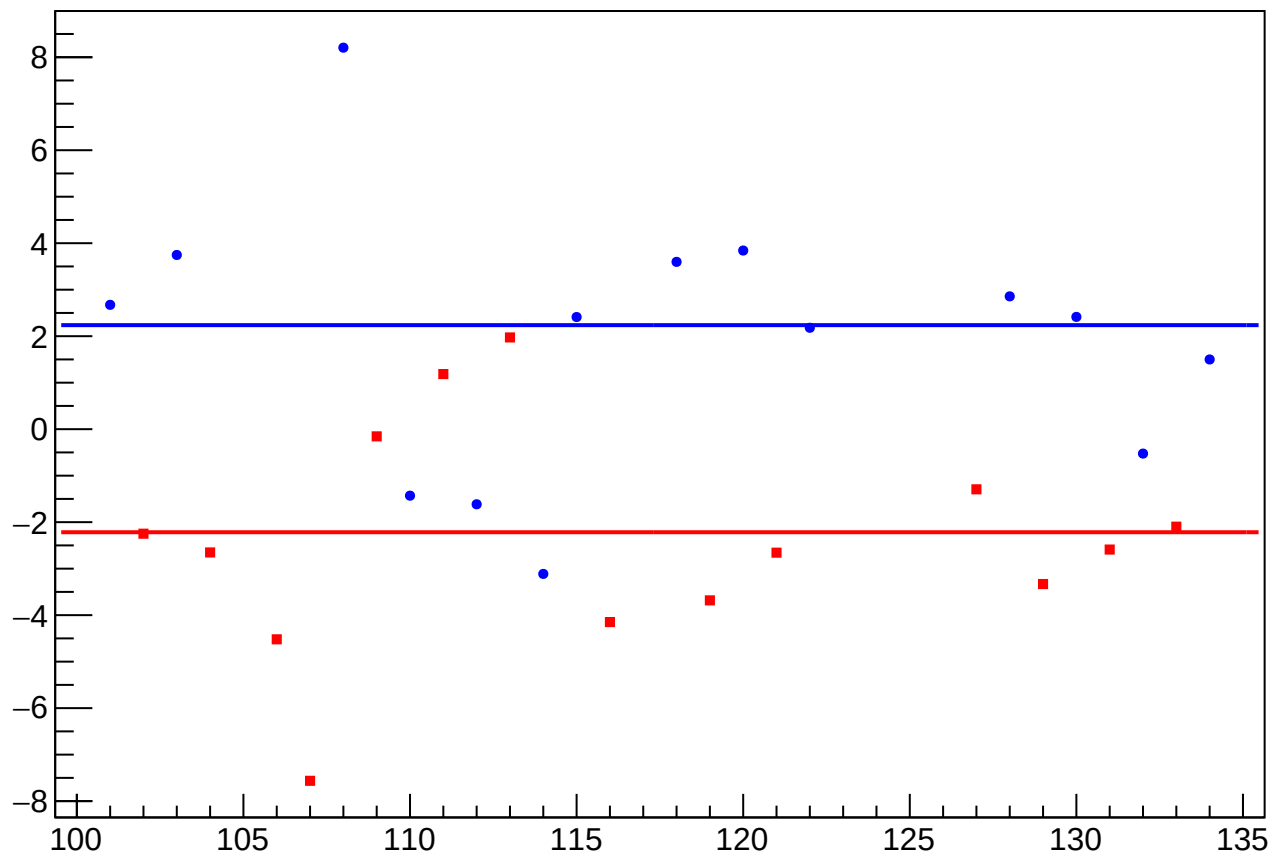
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_4aY\_coil1\_mean vs Slug, Sign Corrected



Right In: 2.237+/-0.000  $\chi^2/\text{NDF}$ : 3581796113206617063784601092096000.0/13

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

Right Out: -2.217+/-0.000  $\chi^2/\text{NDF}$ : 3047656394463757753988966351110144.0/13

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

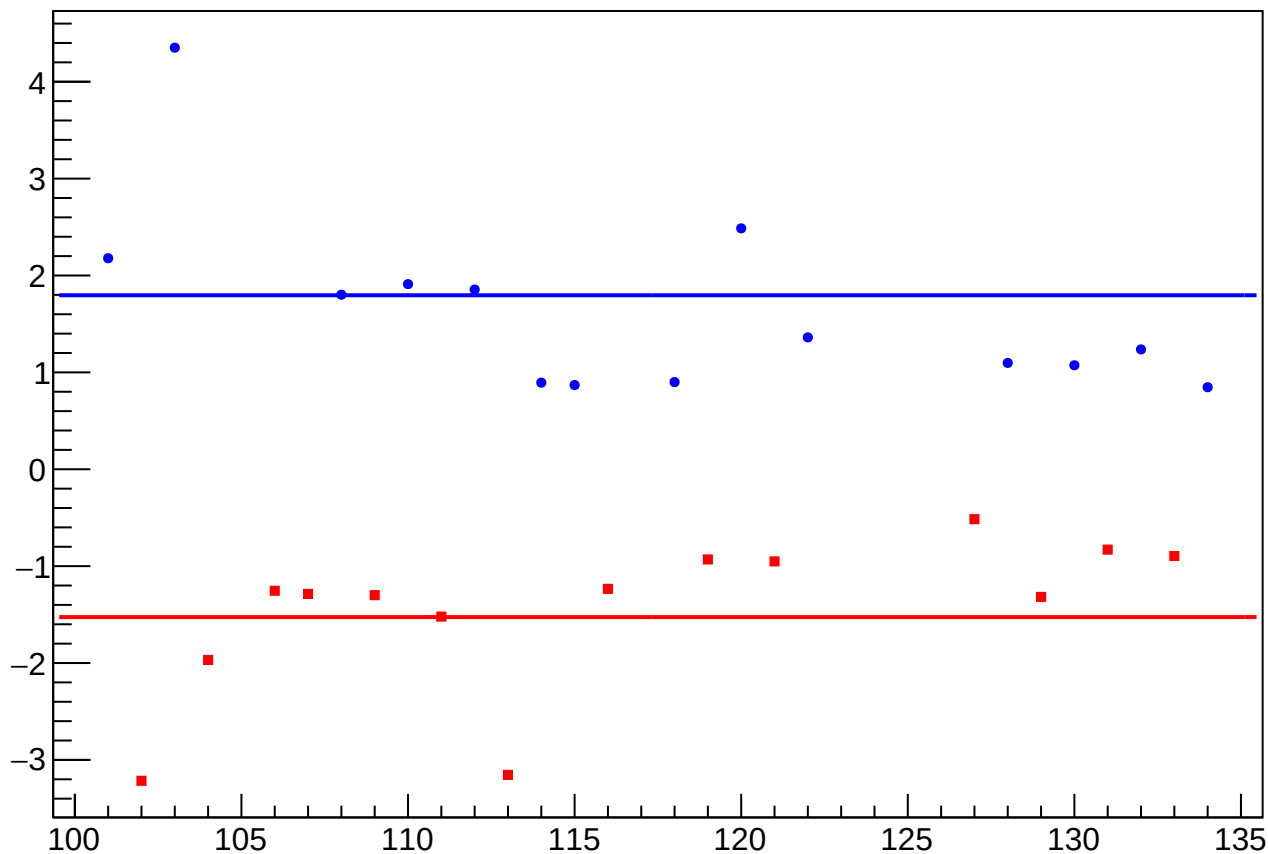
2.237+/-0.000  $\chi^2/\text{NDF}$ : 3581796113206617063

-0.064+/-0.000  $\chi^2/\text{NDF}$ : 12380892546719

-2.217+/-0.000  $\chi^2/\text{NDF}$ : 304765639446375775



dit\_4aY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1.796+/-0.000  $\chi^2/\text{NDF}$ : 566292219608792471881350415122432.0/13

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

Right Out: -1.526+/-0.000  $\chi^2/\text{NDF}$ : 419418501653684260574764940132352.0/13

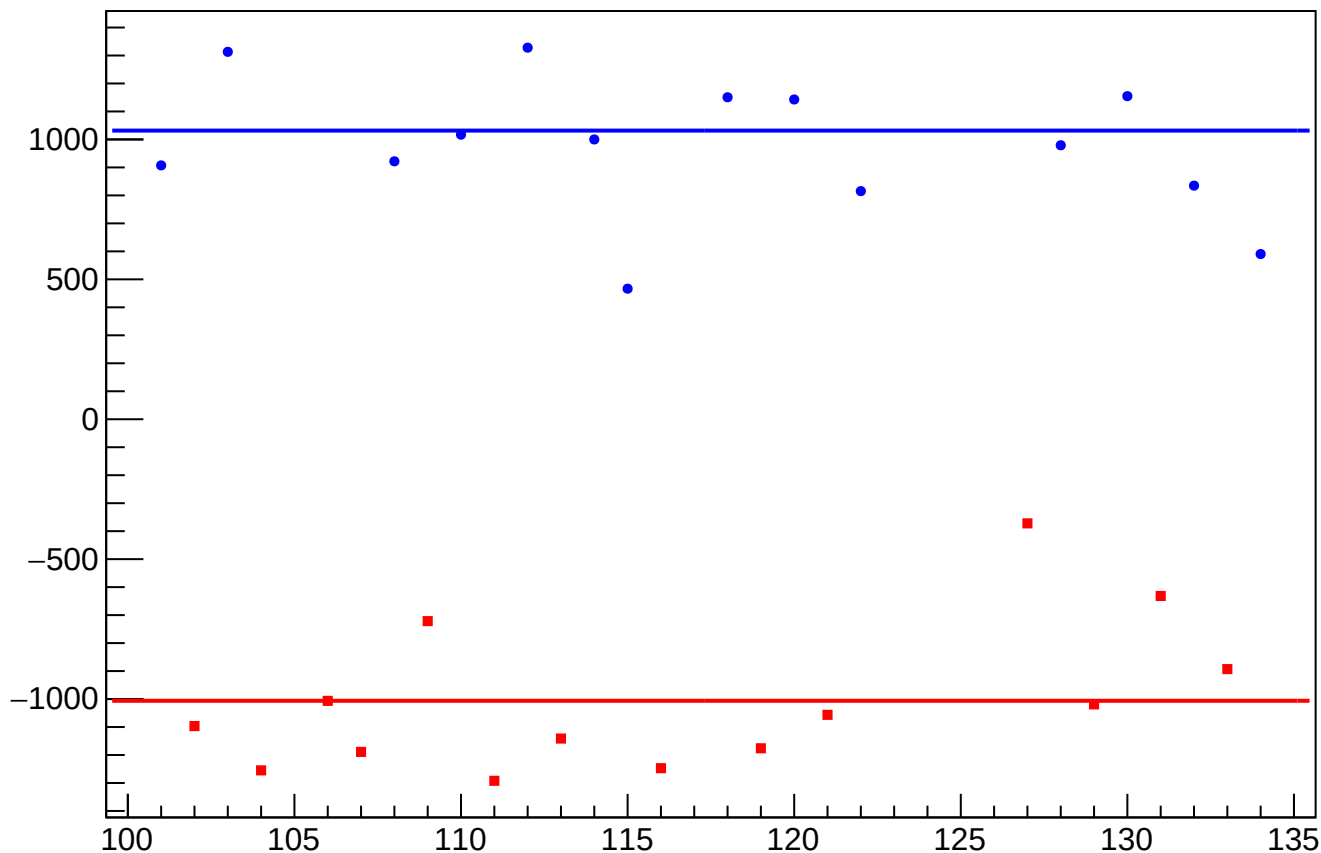
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.796+/-0.000  $\chi^2/\text{NDF}$ : 566292219608792471881350415122432.0/13

0.079+/-0.000  $\chi^2/\text{NDF}$ : 41849999464990

-1.526+/-0.000  $\chi^2/\text{NDF}$ : 419418501653684260574764940132352.0/13

dit\_4aY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

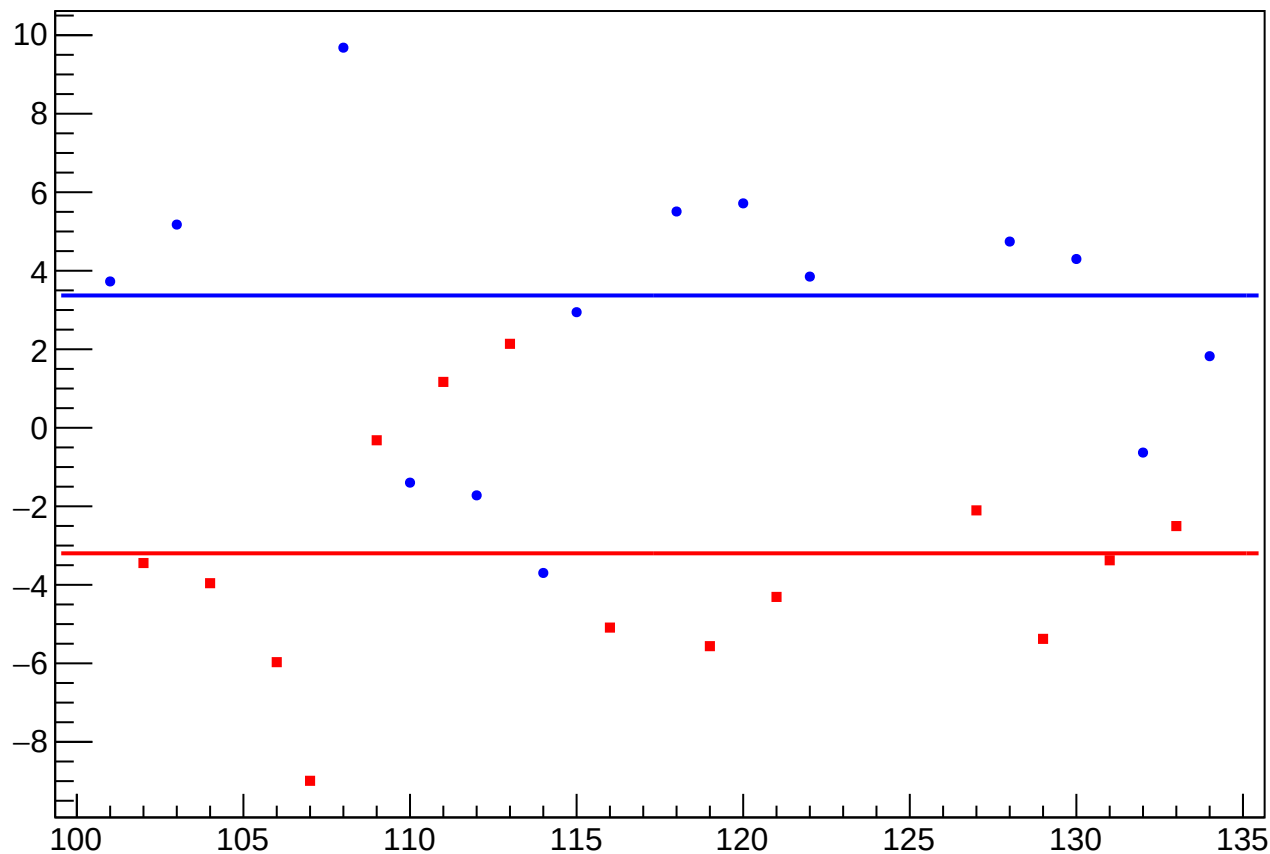
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_4eY\_coil1\_mean vs Slug, Sign Corrected



Right In: 3.370+/-0.000  $\chi^2/\text{NDF}$ : 5685232600742778593119861775269888.0/13

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

Right Out: -3.198+/-0.000  $\chi^2/\text{NDF}$ : 4755974001799885629727355147649024.0/13

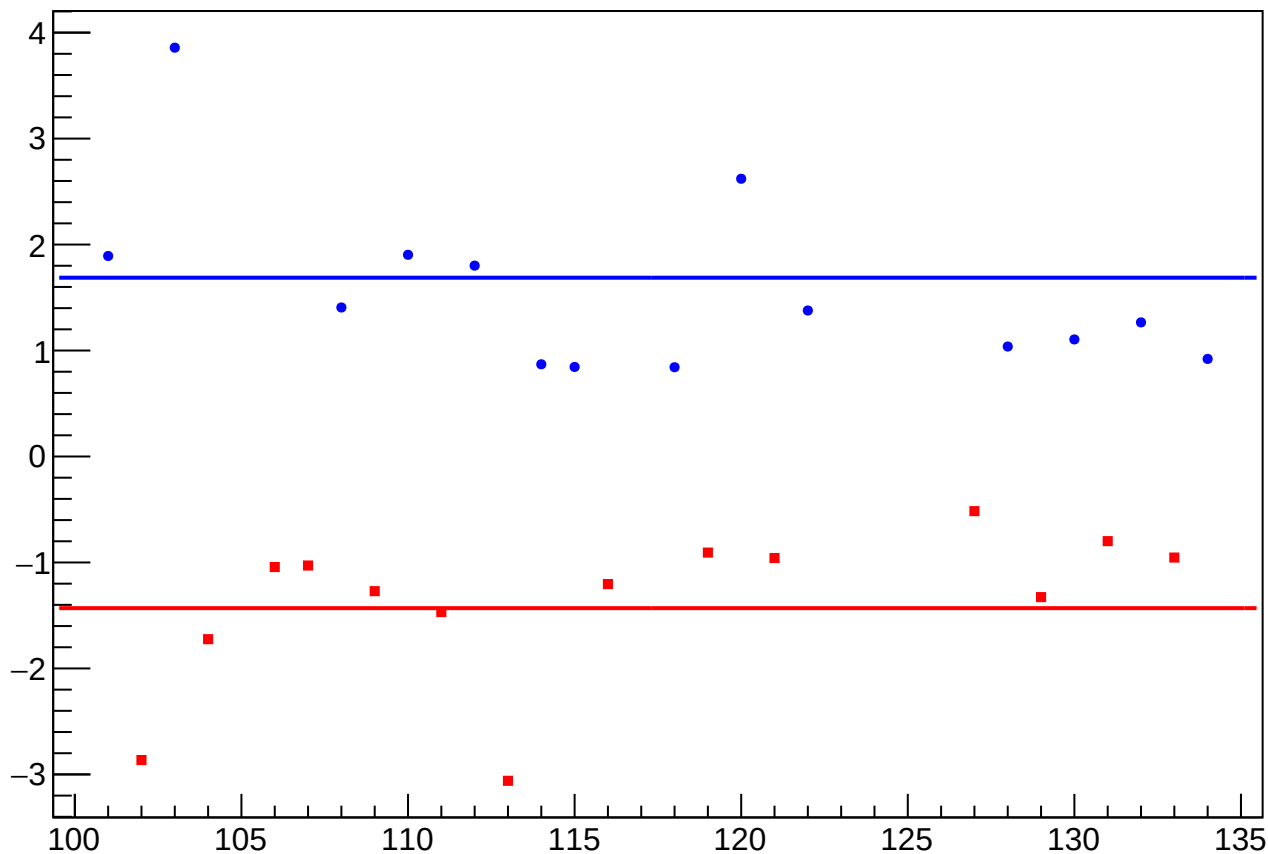
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.370+/-0.000  $\chi^2/\text{NDF}$ : 5685232600742778593119861775269888.0/13

-0.024+/-0.000  $\chi^2/\text{NDF}$ : 22947516440130

-3.198+/-0.000  $\chi^2/\text{NDF}$ : 4755974001799885629727355147649024.0/13

dit\_4eY\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1.687 $\pm$ 0.000  $\chi^2$ /NDF: 434069455968447219486953838739456.0/13

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

Right Out: -1.431 $\pm$ 0.000  $\chi^2$ /NDF: 343352084768887947813484090097664.0/13

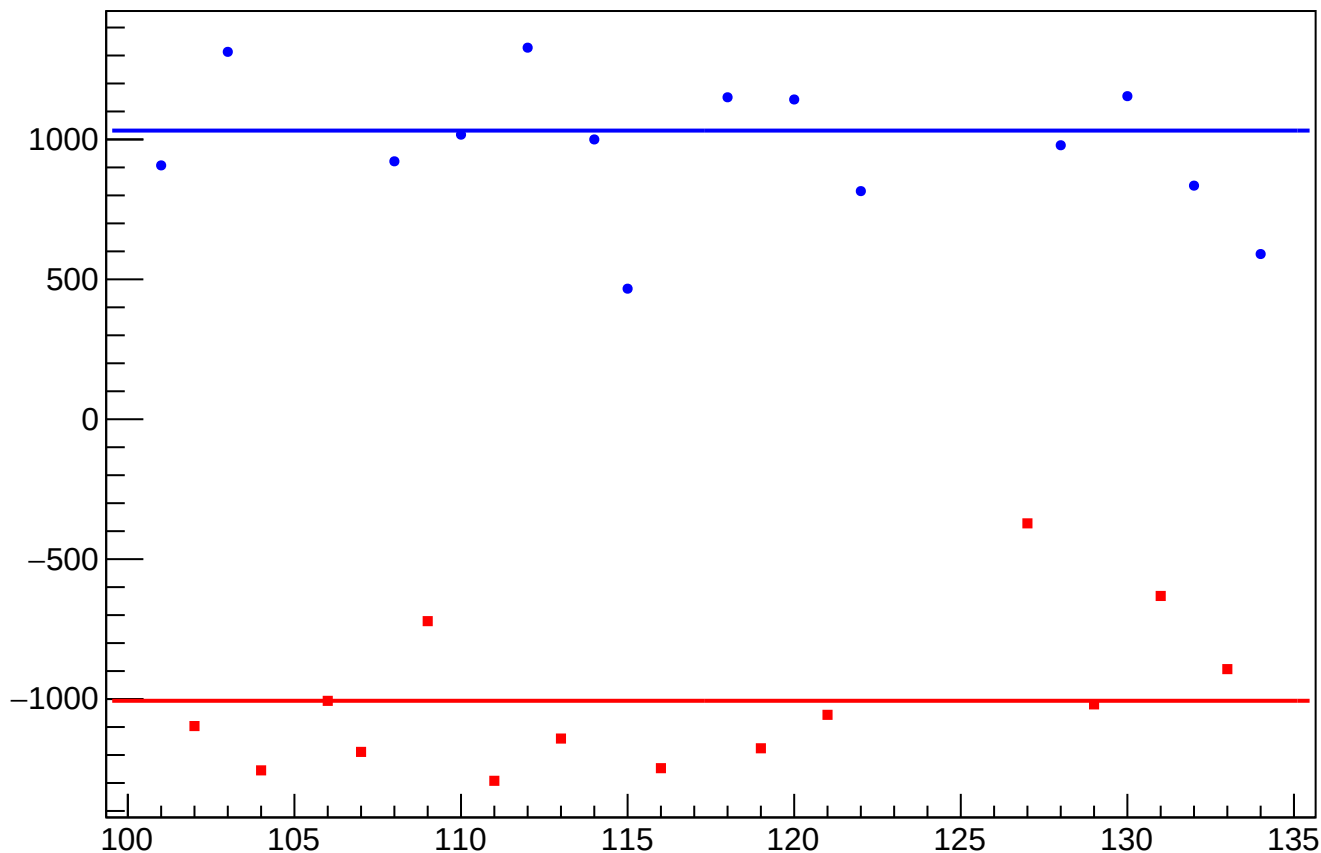
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

1.687 $\pm$ 0.000  $\chi^2$ /NDF: 4340694559684472194

0.076 $\pm$ 0.000  $\chi^2$ /NDF: 35965067967052

-1.431 $\pm$ 0.000  $\chi^2$ /NDF: 343352084768887947

dit\_4eY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

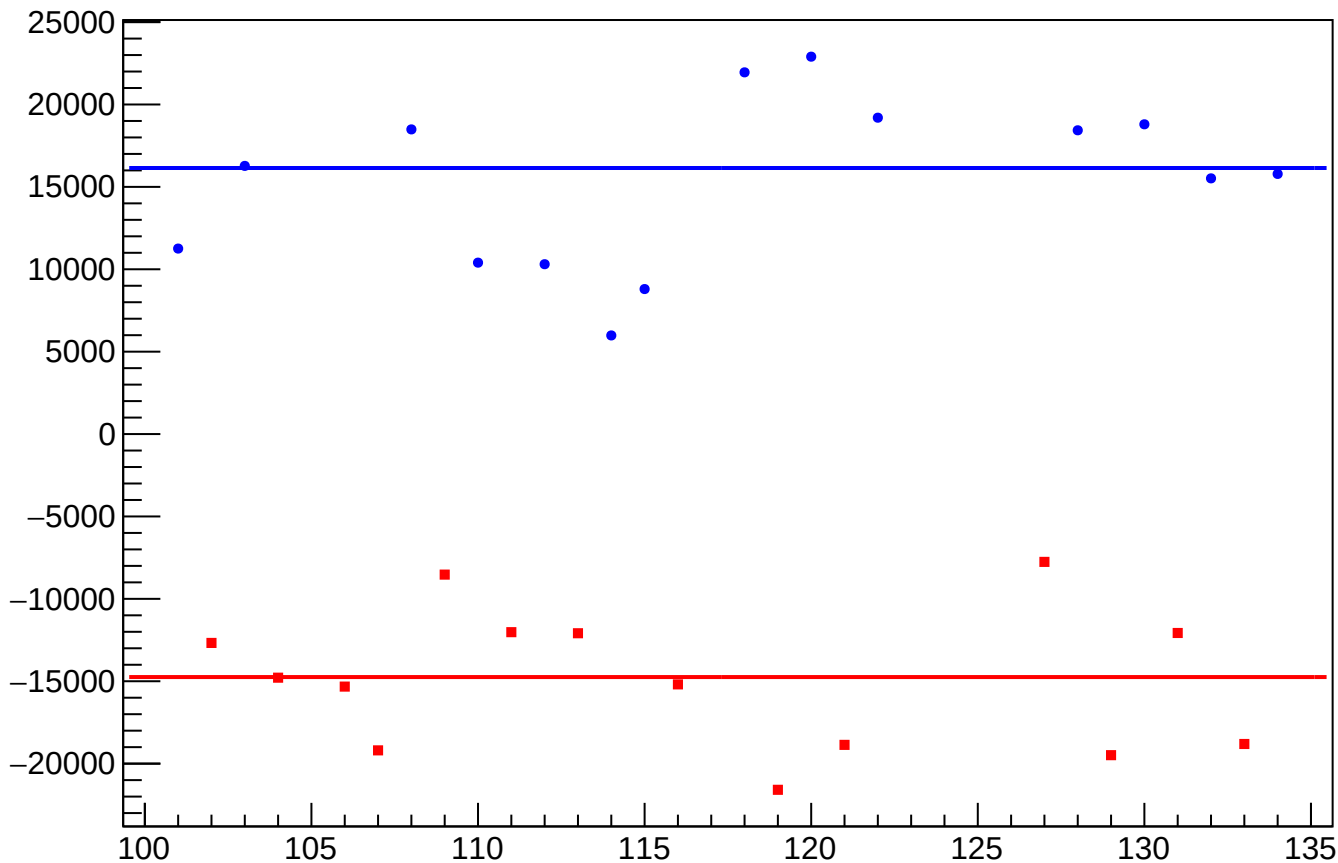
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

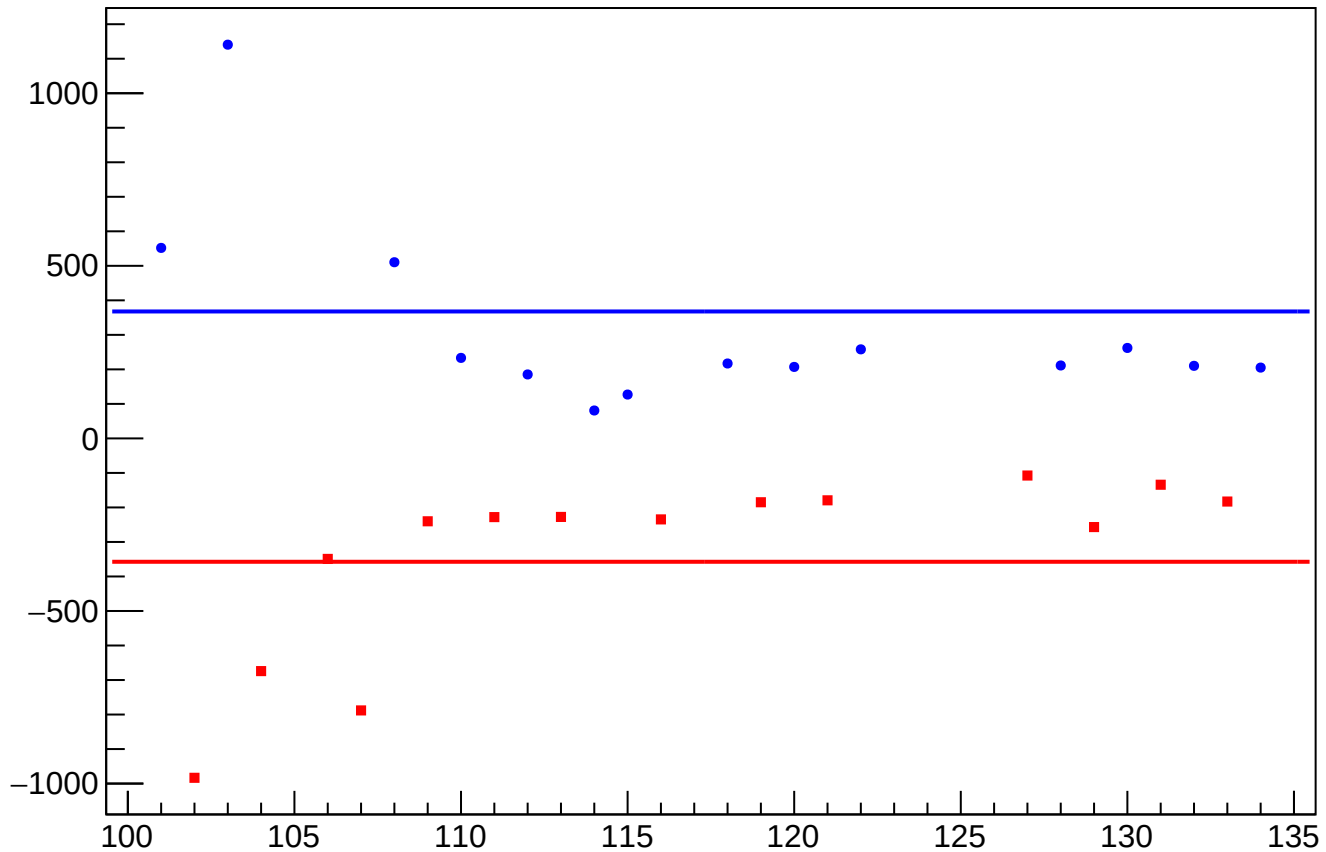
-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

dit\_usl\_coil1\_mean vs Slug, Sign Corrected



Right In: 16145.802 $\pm$ 0.000  $\chi^2$ /NDF: 10771316253729534967503980670288270458880.0/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -14746.344 $\pm$ 0.000  $\chi^2$ /NDF: 10719411812890652723770525801686788734976.0/13  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usl\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 367.774+/-0.000  $\chi^2/\text{NDF}$ : 48044995996229919056055955979828723712.0/13

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

Right Out: -357.403+/-0.000  $\chi^2/\text{NDF}$ : 46215321814638008398964807853888503808.0/13

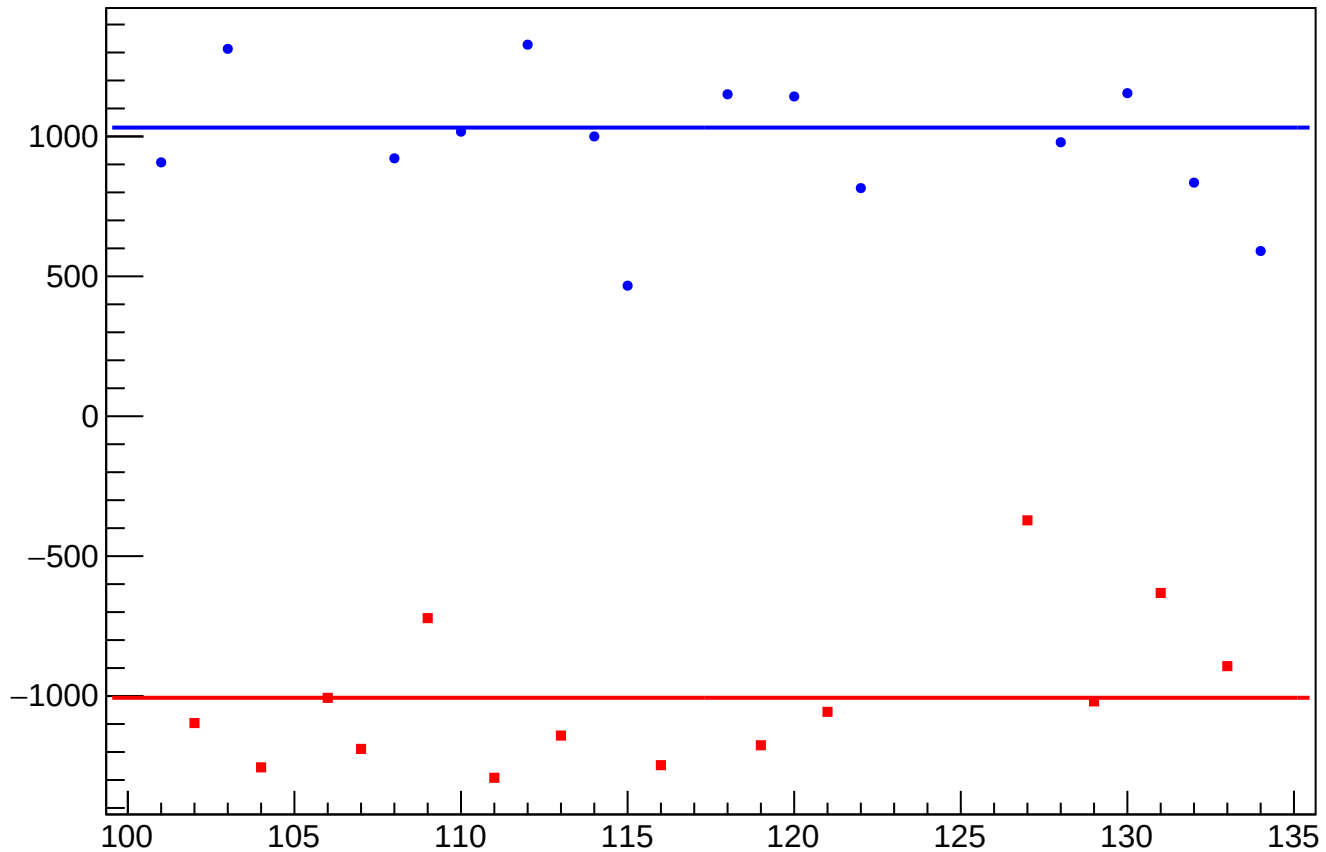
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

367.774+/-0.000  $\chi^2/\text{NDF}$ : 48044995996229919056055955979828723712.0/13

-6.994+/-0.000  $\chi^2/\text{NDF}$ : 24672540860793

-357.403+/-0.000  $\chi^2/\text{NDF}$ : 46215321814638008398964807853888503808.0/13

dit\_usl\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

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

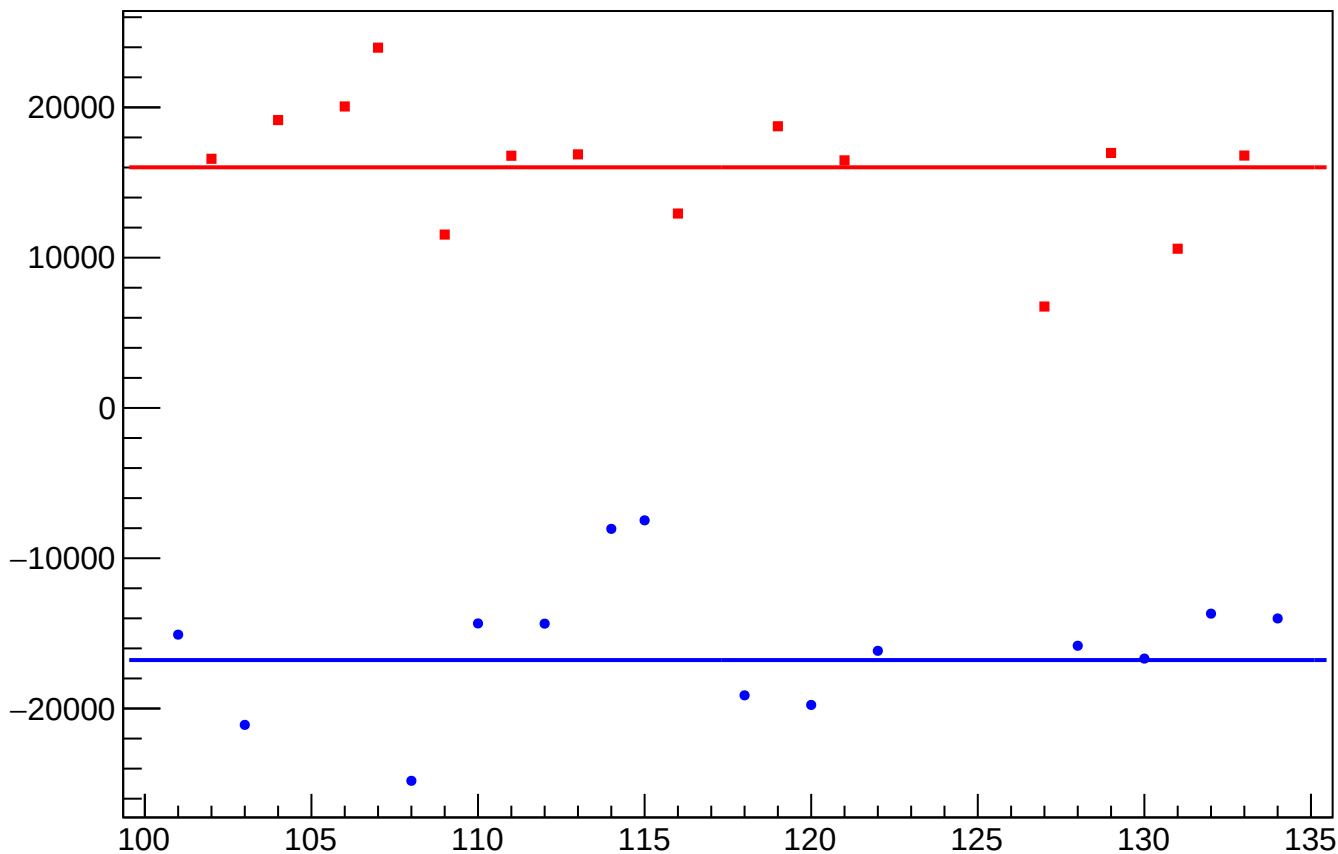
1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132



# dit\_usr\_coil1\_mean vs Slug, Sign Corrected



Right In: -16776.335+/-0.000  $\chi^2/\text{NDF}$ : 7378941677162358395879772022770342297600.0/13

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

Right Out: 16013.106+/-0.000  $\chi^2/\text{NDF}$ : 9906558154417145814201327219209211478016.0/13

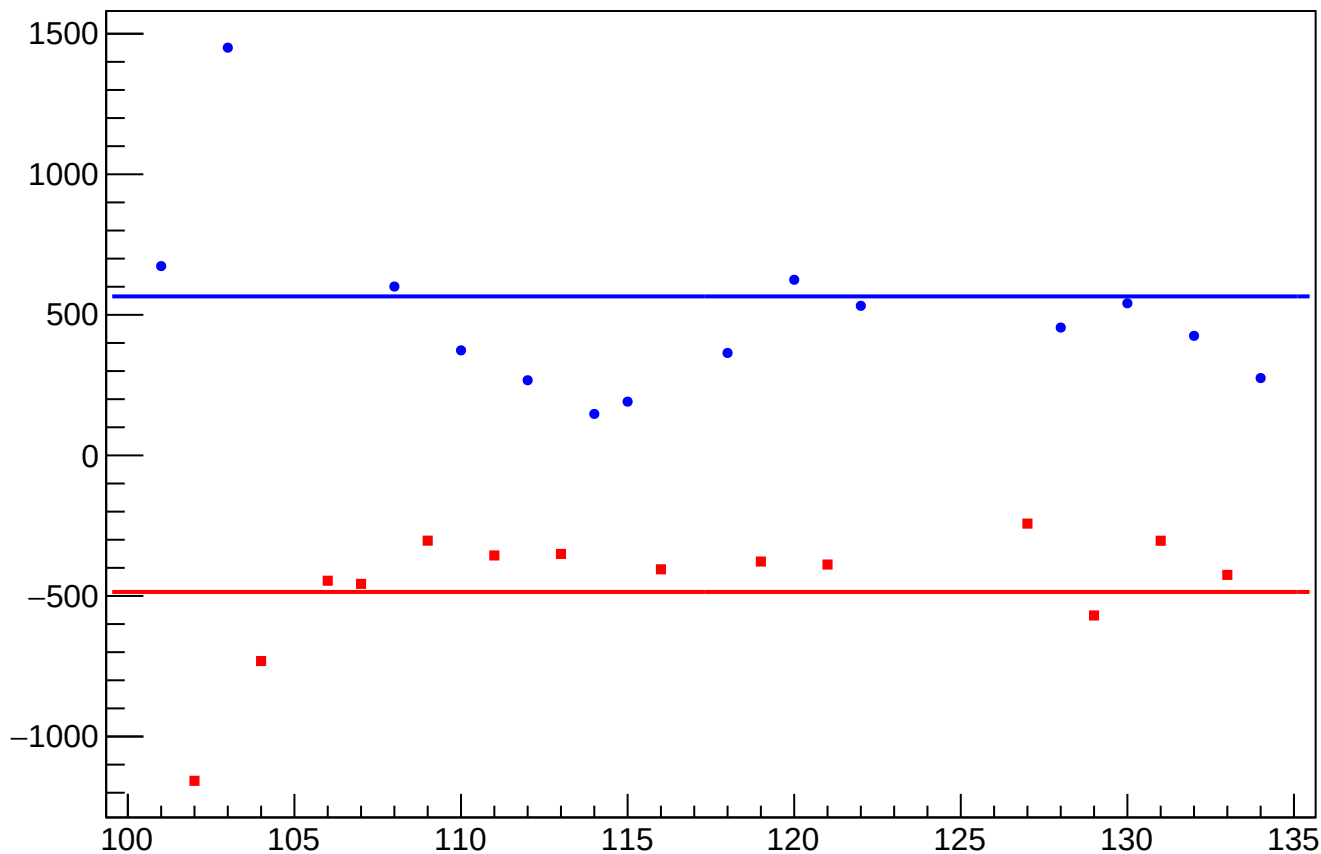
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-16776.335+/-0.000  $\chi^2/\text{NDF}$ : 73789416771623

169.112+/-0.000  $\chi^2/\text{NDF}$ : 328994919982

16013.106+/-0.000  $\chi^2/\text{NDF}$ : 990655815441714

dit\_usr\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 565.638+/-0.000  $\chi^2/\text{NDF}$ : 61965954385756771264069669459228360704.0/13

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

Right Out: -485.729+/-0.000  $\chi^2/\text{NDF}$ : 38020715693869909298142792867947479040.0/13

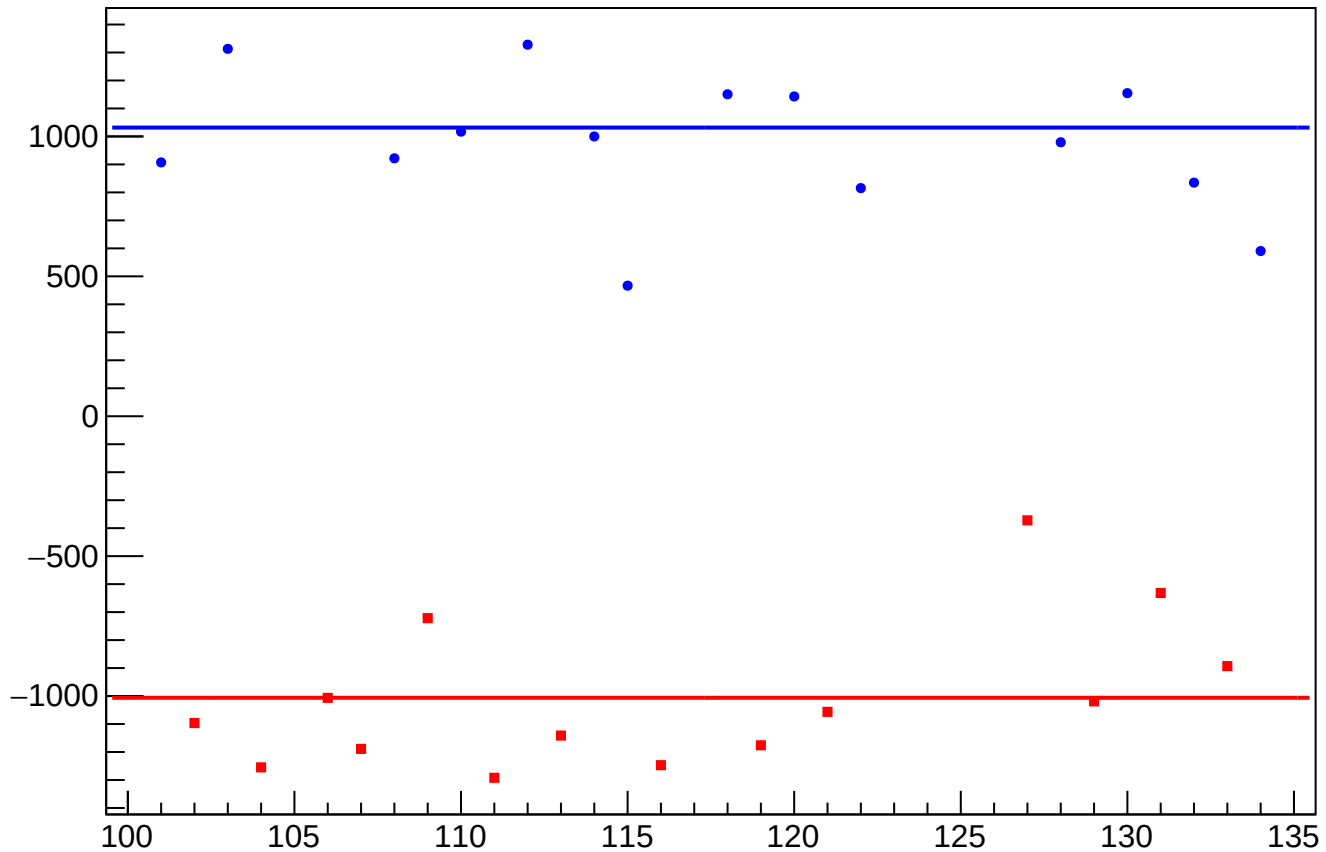
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

565.638+/-0.000  $\chi^2/\text{NDF}$ : 61965954385756771

22.296+/-0.000  $\chi^2/\text{NDF}$ : 4204595578859

-485.729+/-0.000  $\chi^2/\text{NDF}$ : 3802071569386990

dit\_usr\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

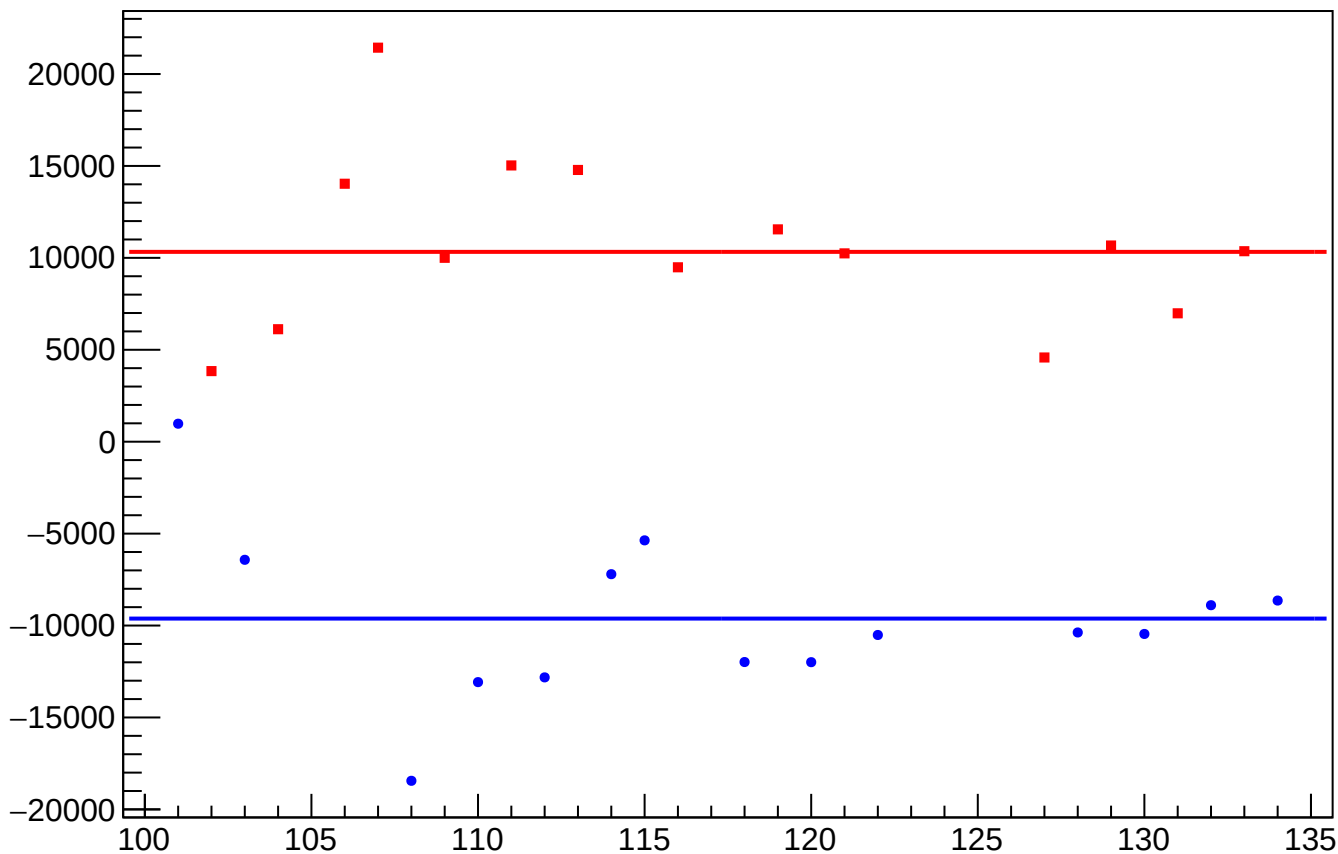
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_atl1\_coil1\_mean vs Slug, Sign Corrected



Right In: -9621.084+/-0.000  $\chi^2/\text{NDF}$ : 12036748650205840270546738994304721616896.0/13

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

Right Out: 10325.983+/-0.000  $\chi^2/\text{NDF}$ : 12045559047989602163407634467289934331904.0/13

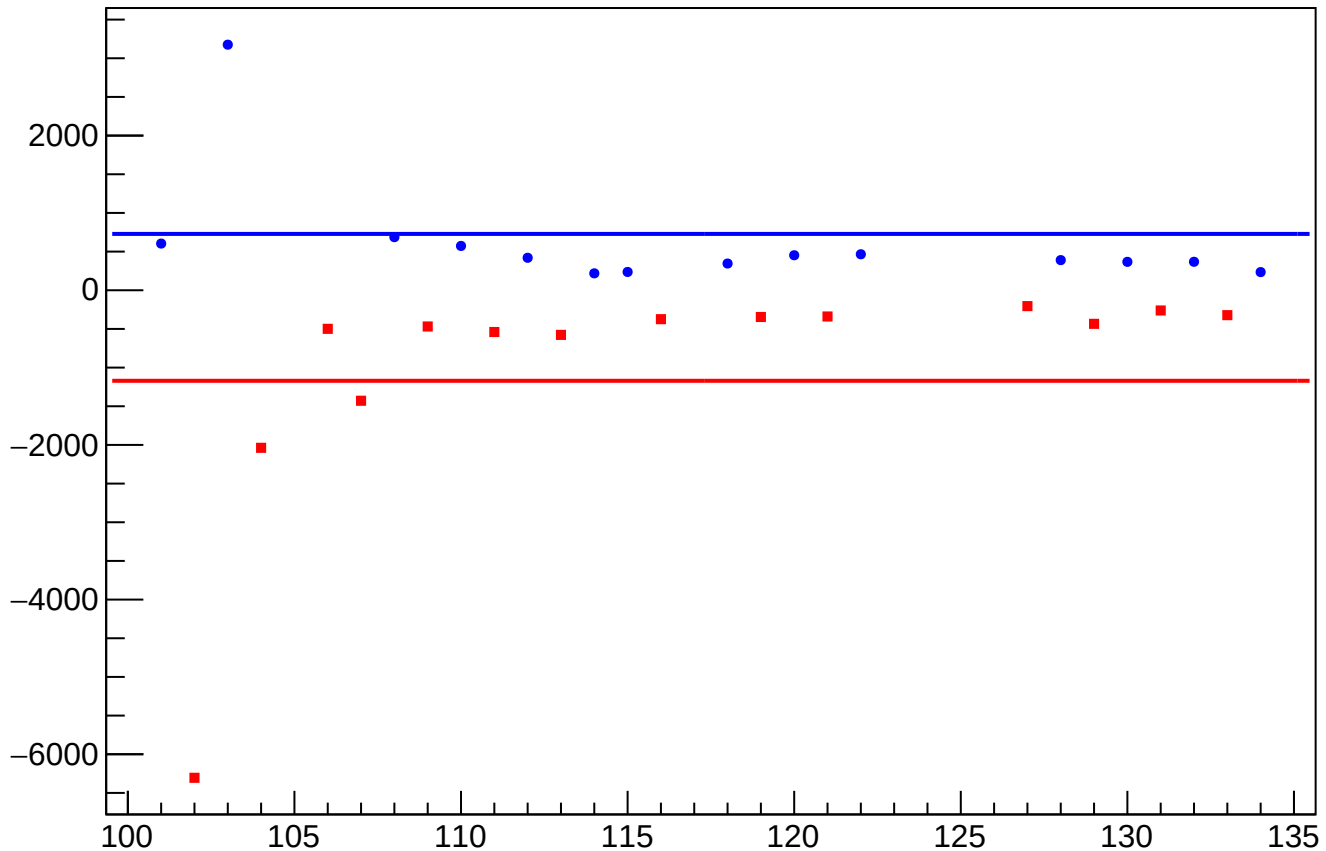
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9621.084+/-0.000  $\chi^2/\text{NDF}$ : 120367486502058

687.478+/-0.000  $\chi^2/\text{NDF}$ : 139438254866

10325.983+/-0.000  $\chi^2/\text{NDF}$ : 120455590479896

dit\_atl1\_coil1\_err\_mean vs Slug, Sign Corrected



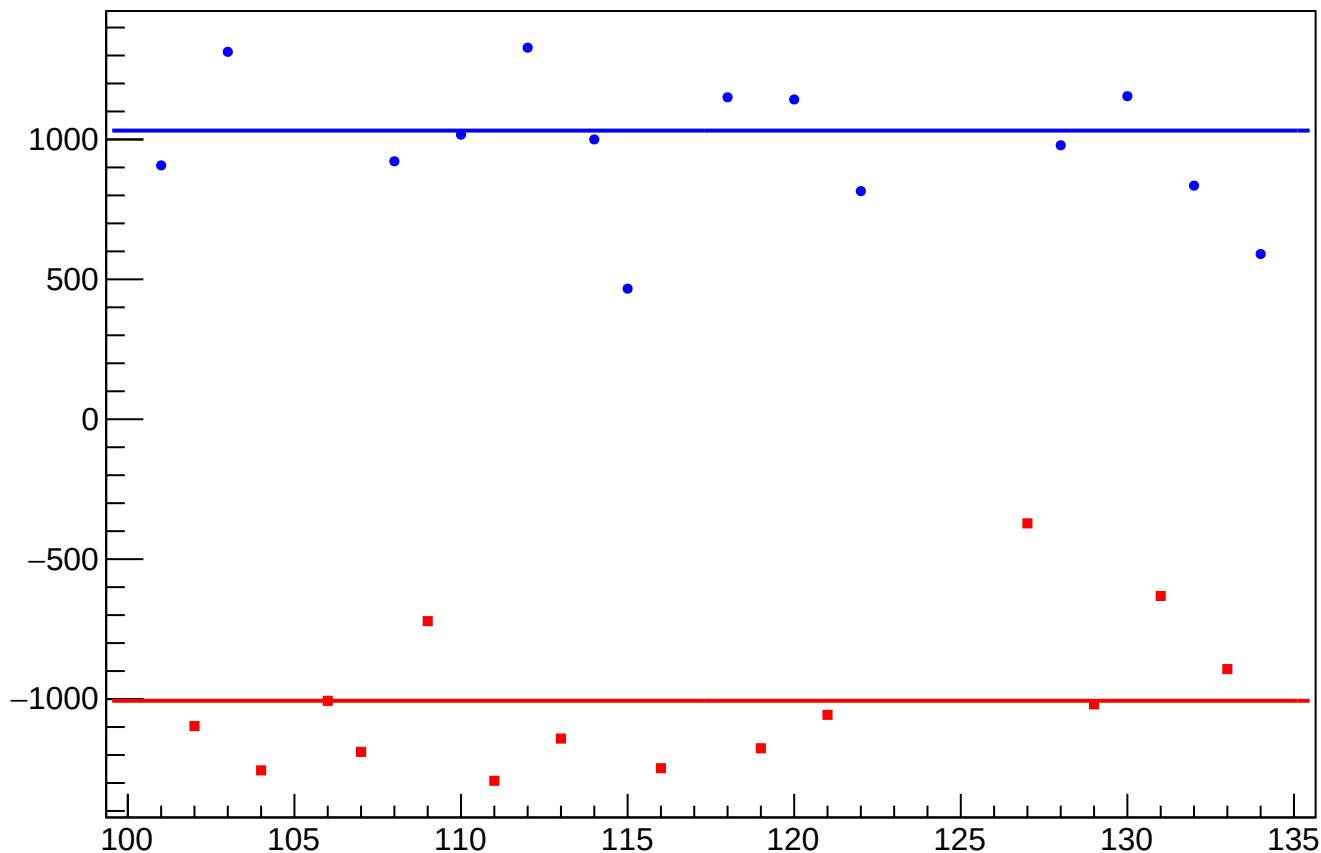
Right In: 728.515+/-0.000  $\chi^2/\text{NDF}$ : 402485151005454489870448853241309429760.0/13

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

Right Out: -1170.650+/-0.000  $\chi^2/\text{NDF}$ : 1846351973511460591504676343162511294464.0/13

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

dit\_atl1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

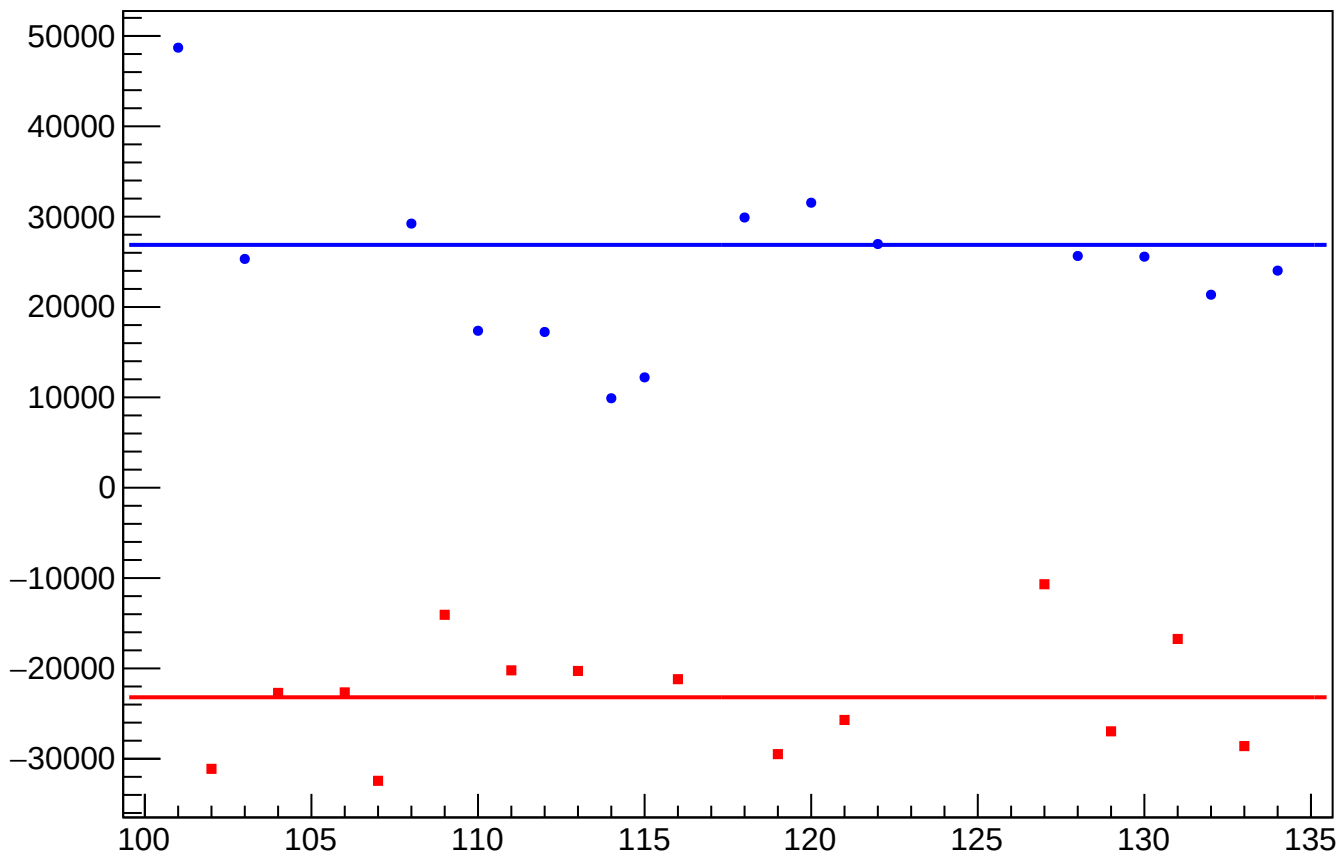
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

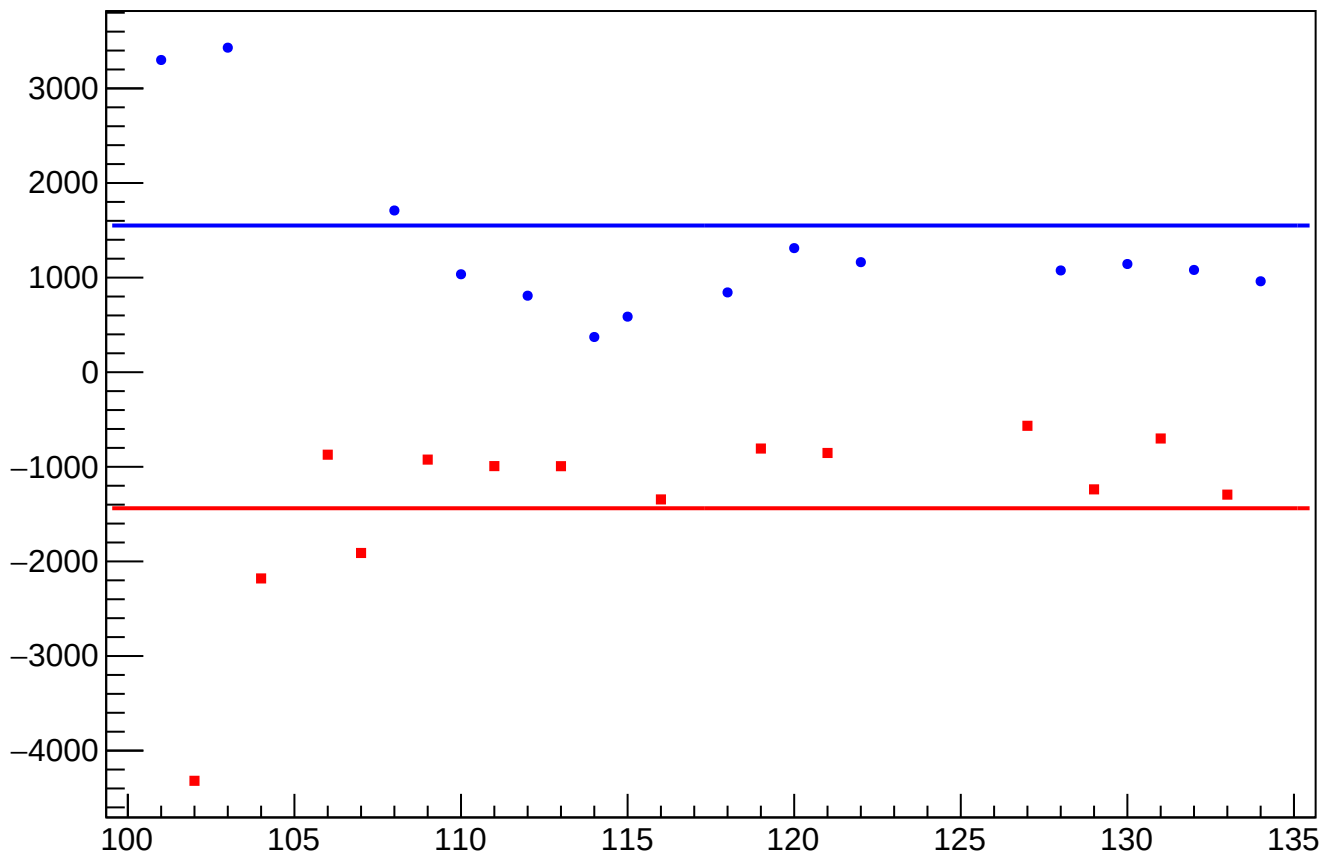
-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_atl2\_coil1\_mean vs Slug, Sign Corrected



Right In: 26877.470+/-0.000  $\chi^2/\text{NDF}$ : 45106774898754567468989155100906682843136.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -23194.145+/-0.000  $\chi^2/\text{NDF}$ : 24343192797033275591945648386057212788736.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1550.557+/-0.000  $\chi^2/\text{NDF}$ : 525927159630988683348818784728926650368.0/13

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

Right Out: -1438.050+/-0.000  $\chi^2/\text{NDF}$ : 648899165481811127468249376462804615168.0/13

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

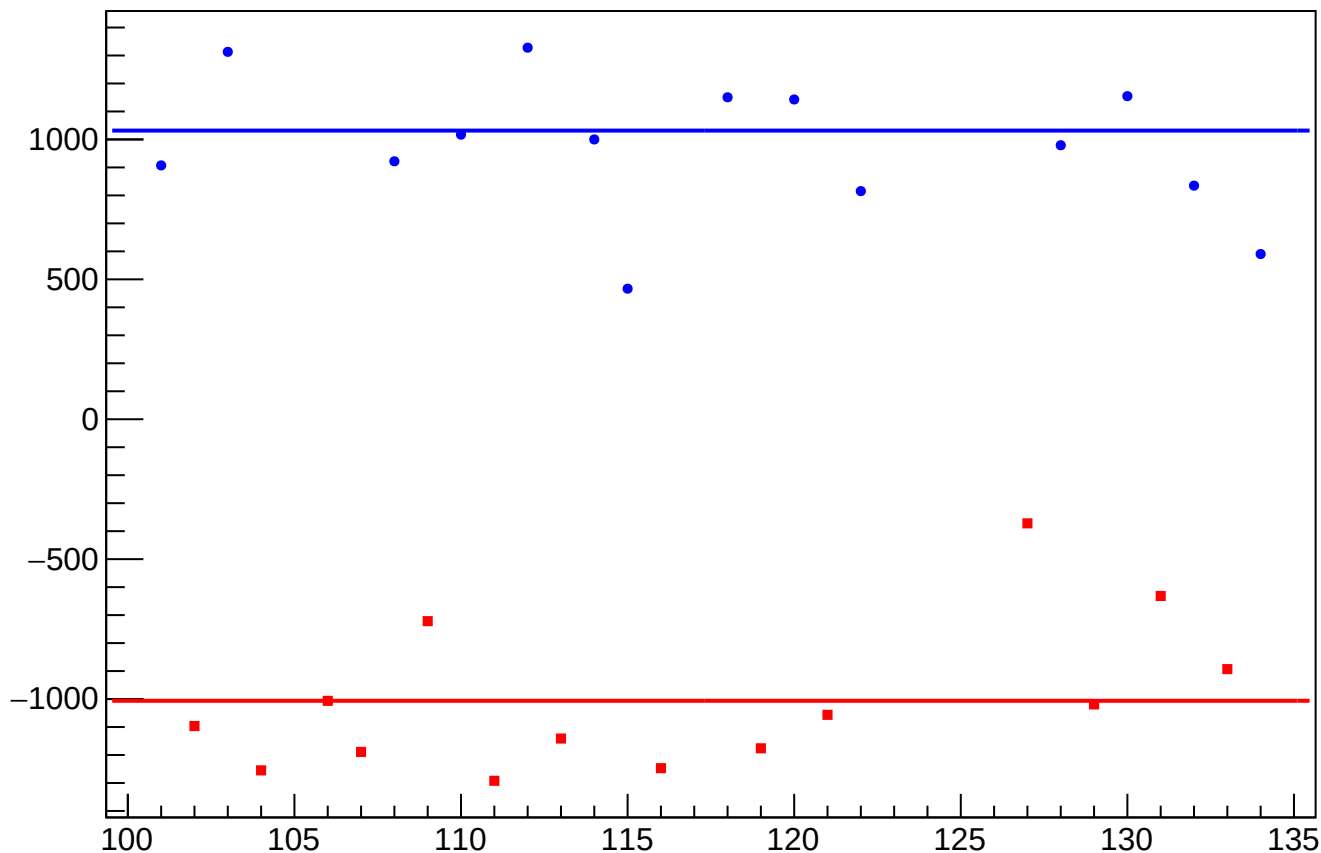
1550.557+/-0.000  $\chi^2/\text{NDF}$ : 5259271596309886

6.057+/-0.000  $\chi^2/\text{NDF}$ : 37643488042104

-1438.050+/-0.000  $\chi^2/\text{NDF}$ : 648899165481811



dit\_atl2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

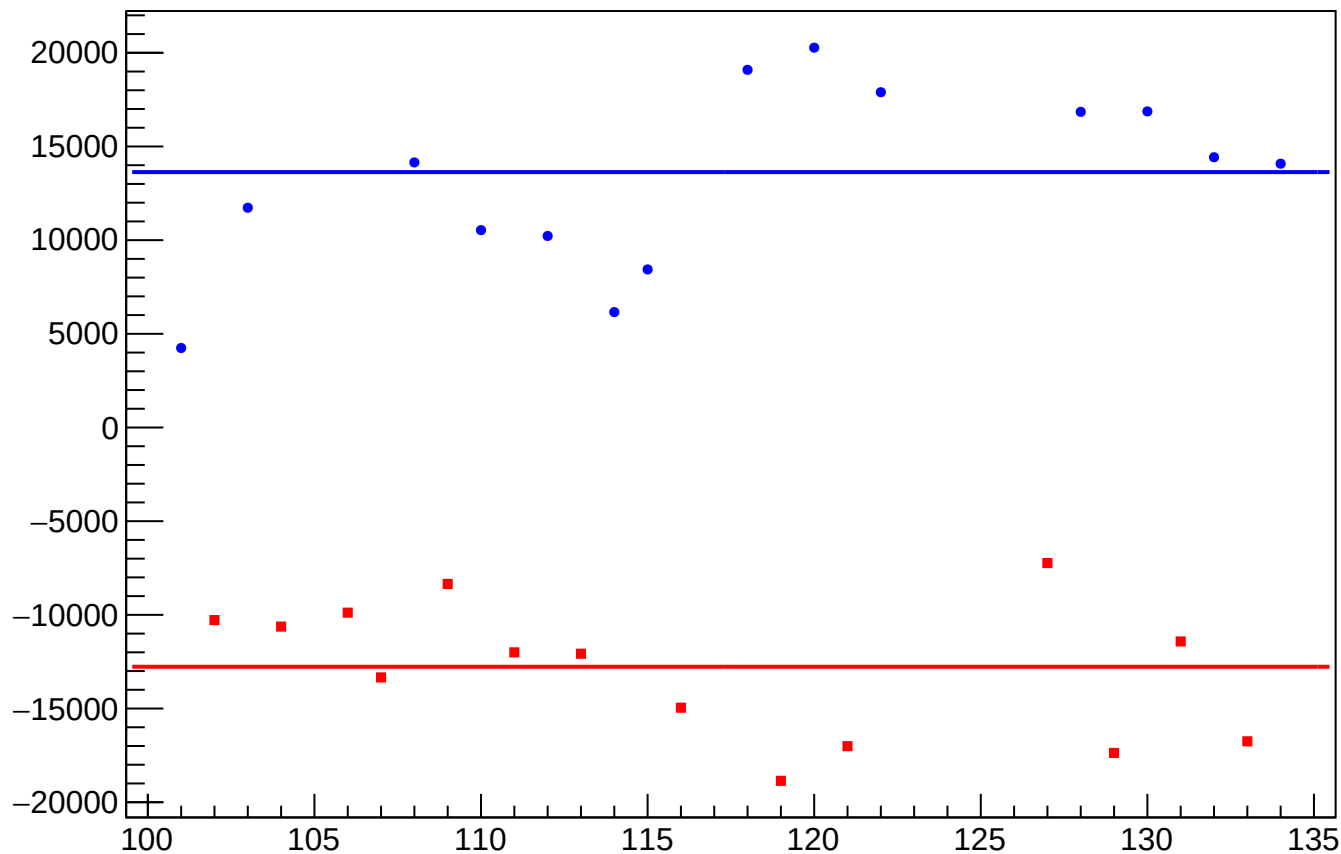
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

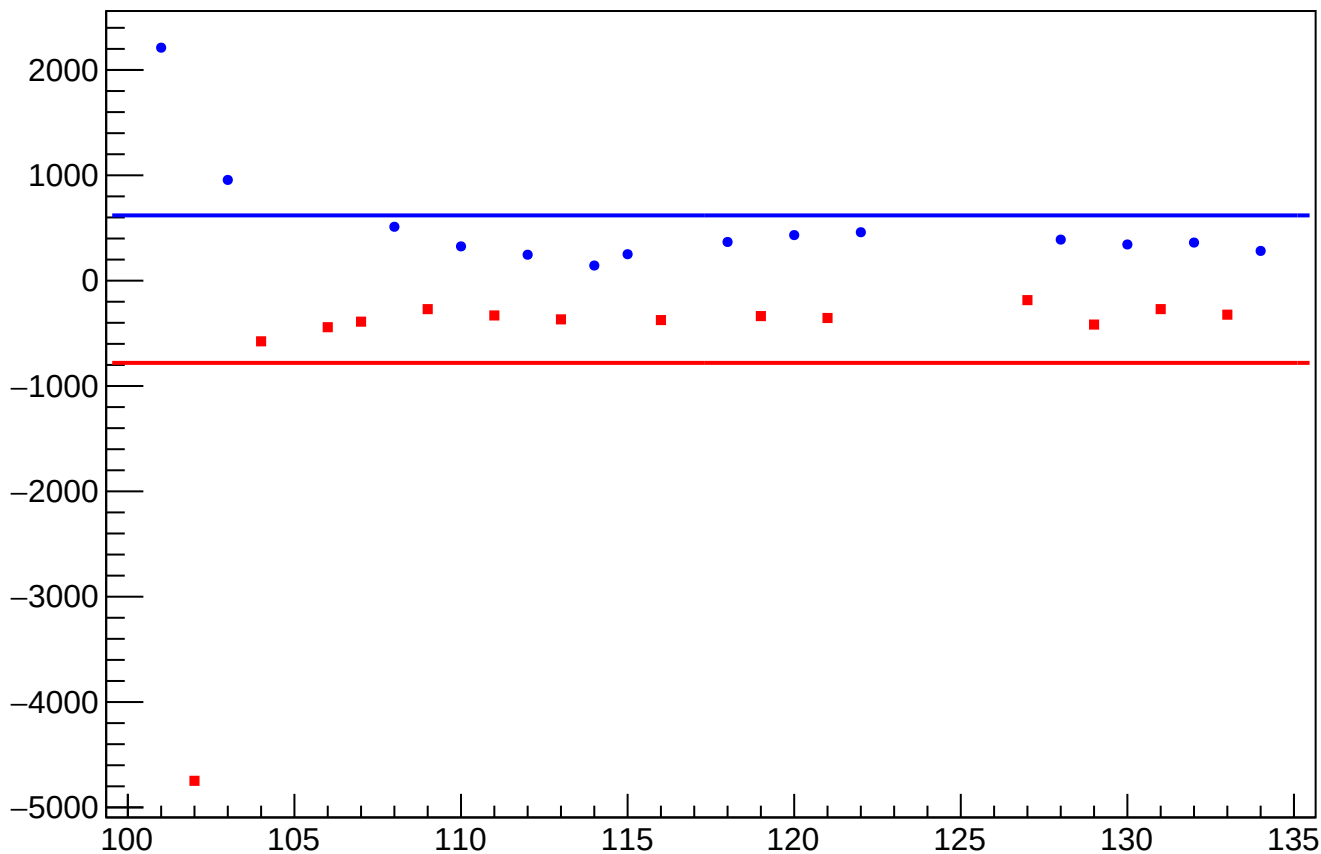
-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_atr1\_coil1\_mean vs Slug, Sign Corrected



Right In: 13632.544+/-0.000  $\chi^2/\text{NDF}$ : 12317845783110393292368260717064103133184.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -12769.577+/-0.000  $\chi^2/\text{NDF}$ : 7617225747969676005449826875212799410176.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 619.467+/-0.000  $\chi^2/\text{NDF}$ : 188539685183074199981632415903483166720.0/13

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

Right Out: -780.475+/-0.000  $\chi^2/\text{NDF}$ : 1015375866523522671026958783638688235520.0/13

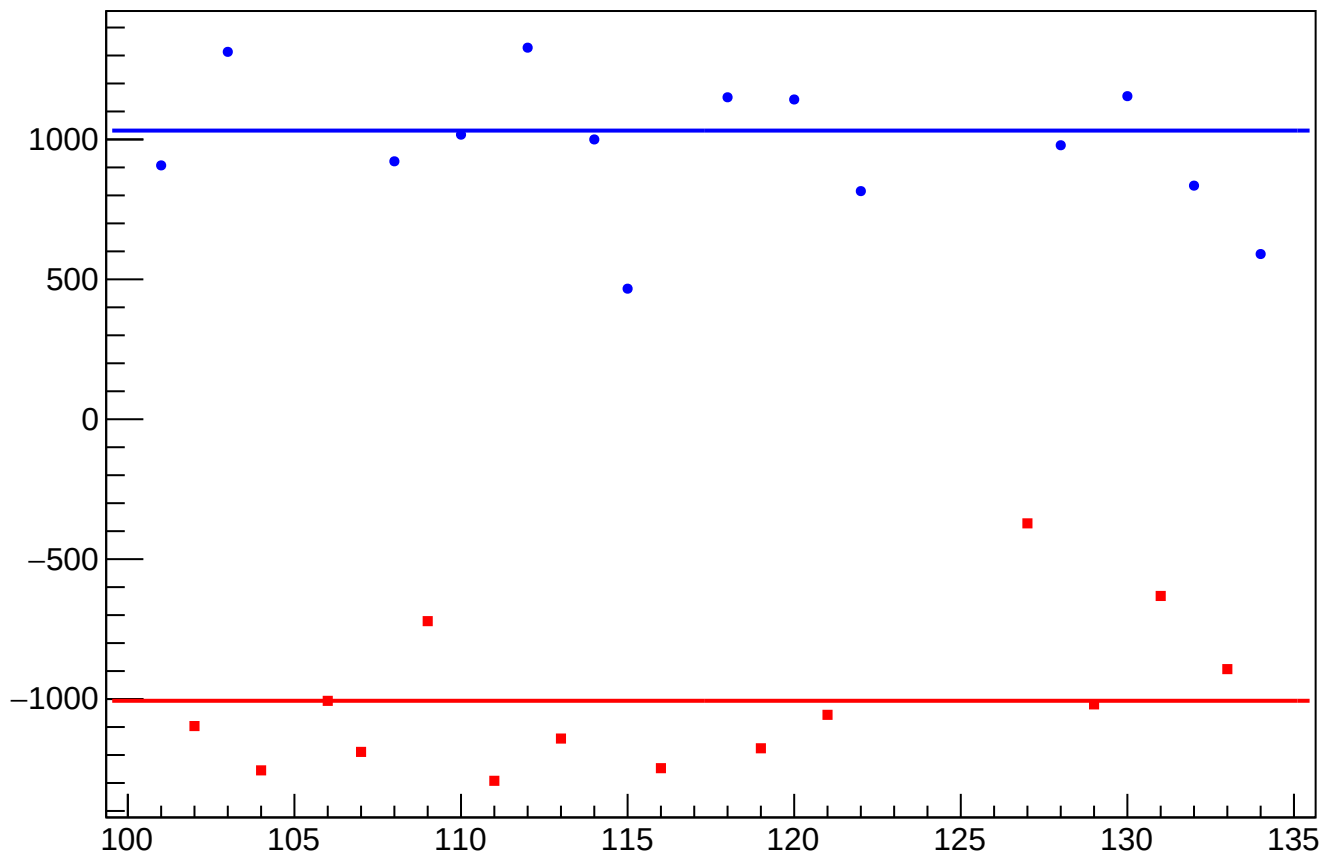
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

619.467+/-0.000  $\chi^2/\text{NDF}$ : 18853968518307419

-104.017+/-0.000  $\chi^2/\text{NDF}$ : 17721162076

-780.475+/-0.000  $\chi^2/\text{NDF}$ : 1015375866523522

dit\_atr1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

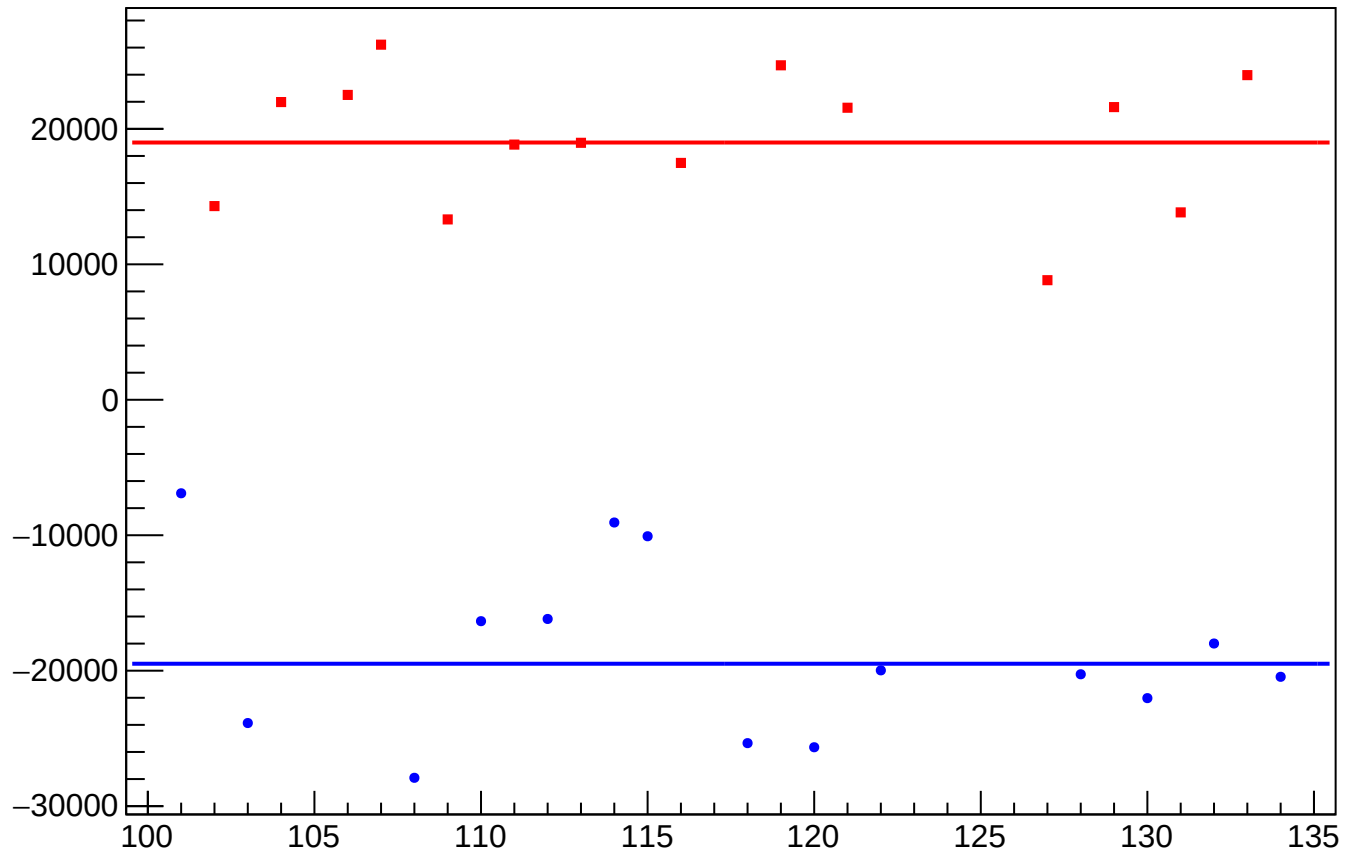
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

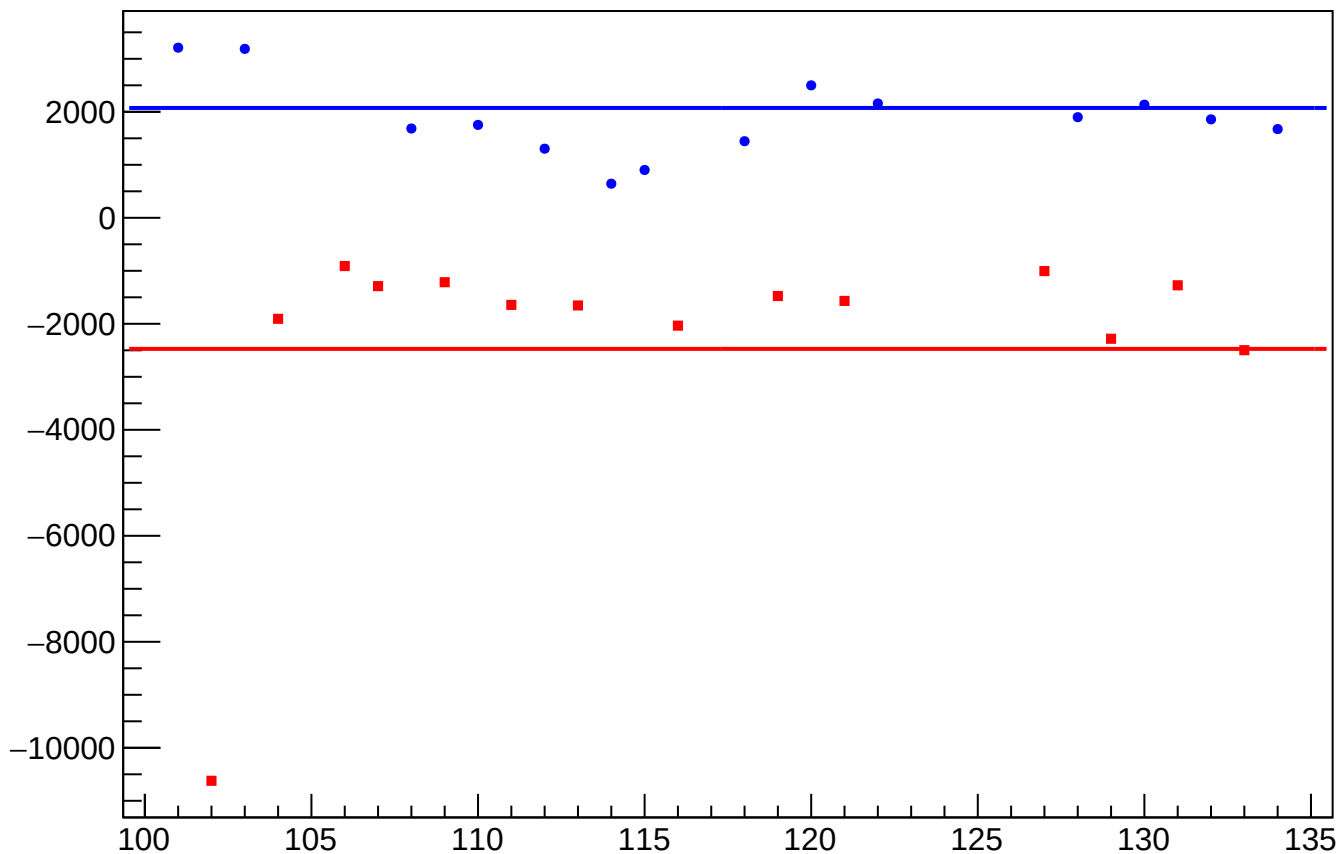
-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_atr2\_coil1\_mean vs Slug, Sign Corrected



Right In: -19486.725+/-0.000  $\chi^2/\text{NDF}$ : 20037692799339082359190907718265569542144.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 18992.135+/-0.000  $\chi^2/\text{NDF}$ : 14448744217227604194300078715391648464896.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 2072.863+/-0.000  $\chi^2/\text{NDF}$ : 263647953700878362620760300002664775680.0/13

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

Right Out: -2473.114+/-0.000  $\chi^2/\text{NDF}$ : 4374212630494529602882498310802524602368.0/13

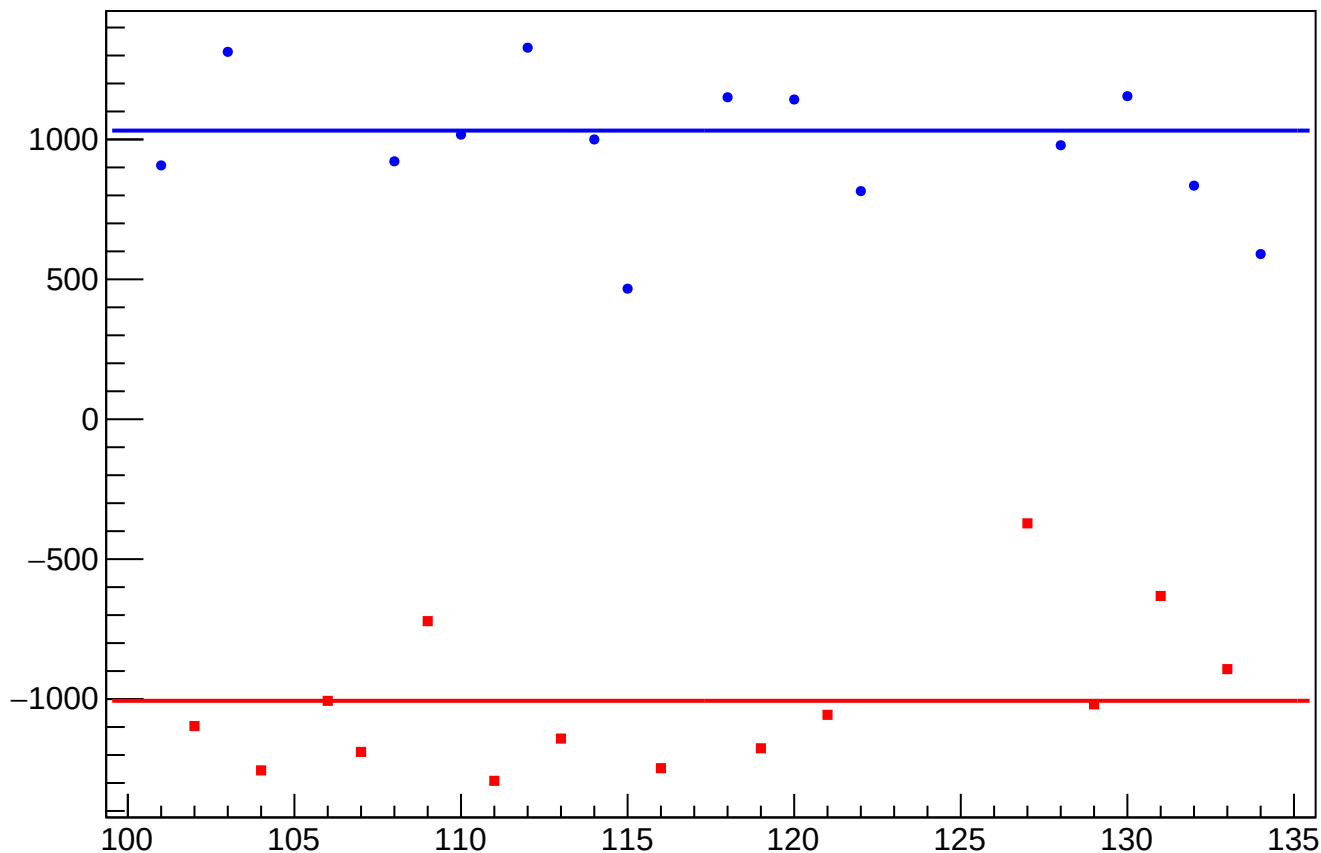
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2072.863+/-0.000  $\chi^2/\text{NDF}$ : 2636479537008783

-276.479+/-0.000  $\chi^2/\text{NDF}$ : 10629372699

-2473.114+/-0.000  $\chi^2/\text{NDF}$ : 437421263049452

dit\_atr2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

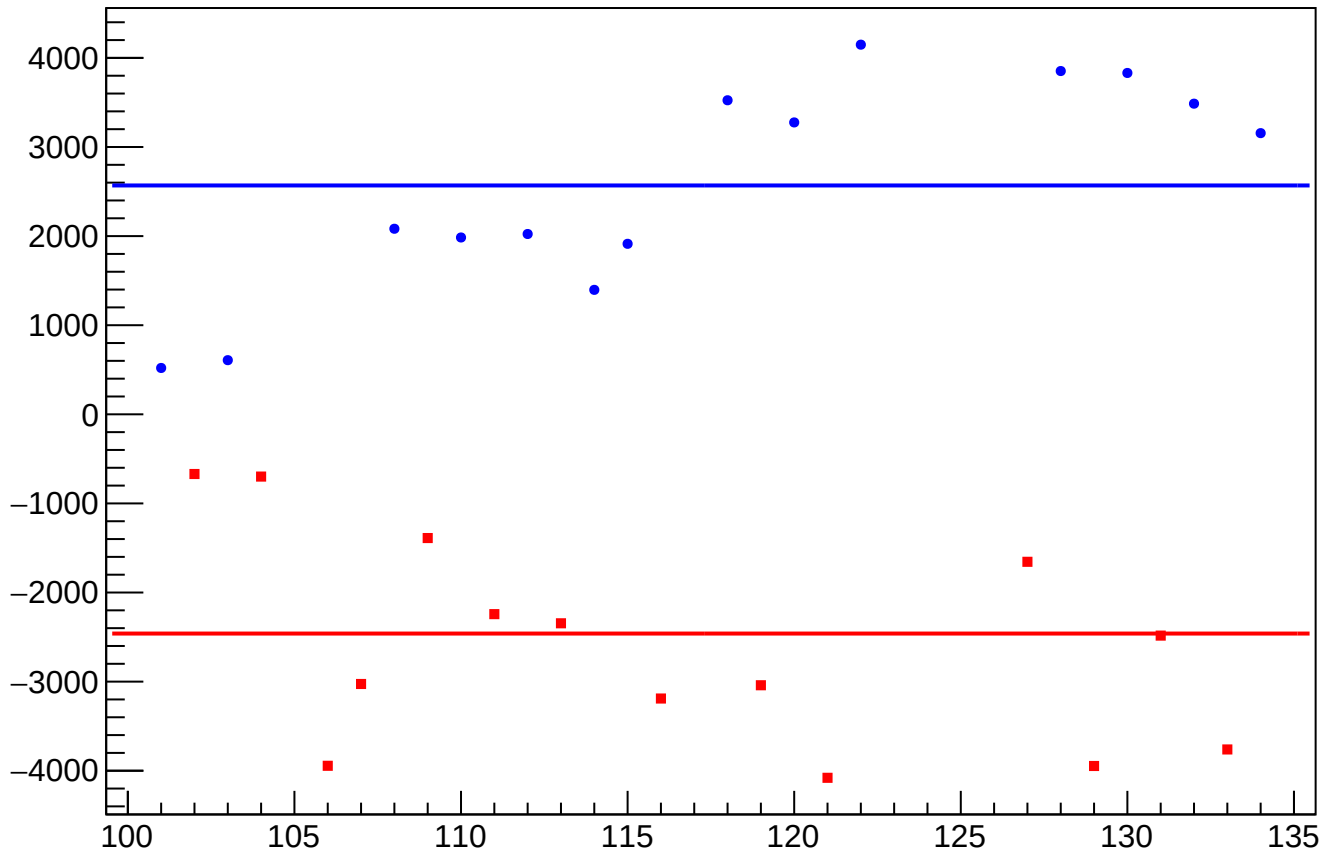
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_sam1\_coil1\_mean vs Slug, Sign Corrected



Right In: 2568.402 $\pm$ 0.000  $\chi^2$ /NDF: 913602921415307755803597143536490774528.0/13

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

Right Out: -2460.504 $\pm$ 0.000  $\chi^2$ /NDF: 812345324170643828123534510750471028736.0/13

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

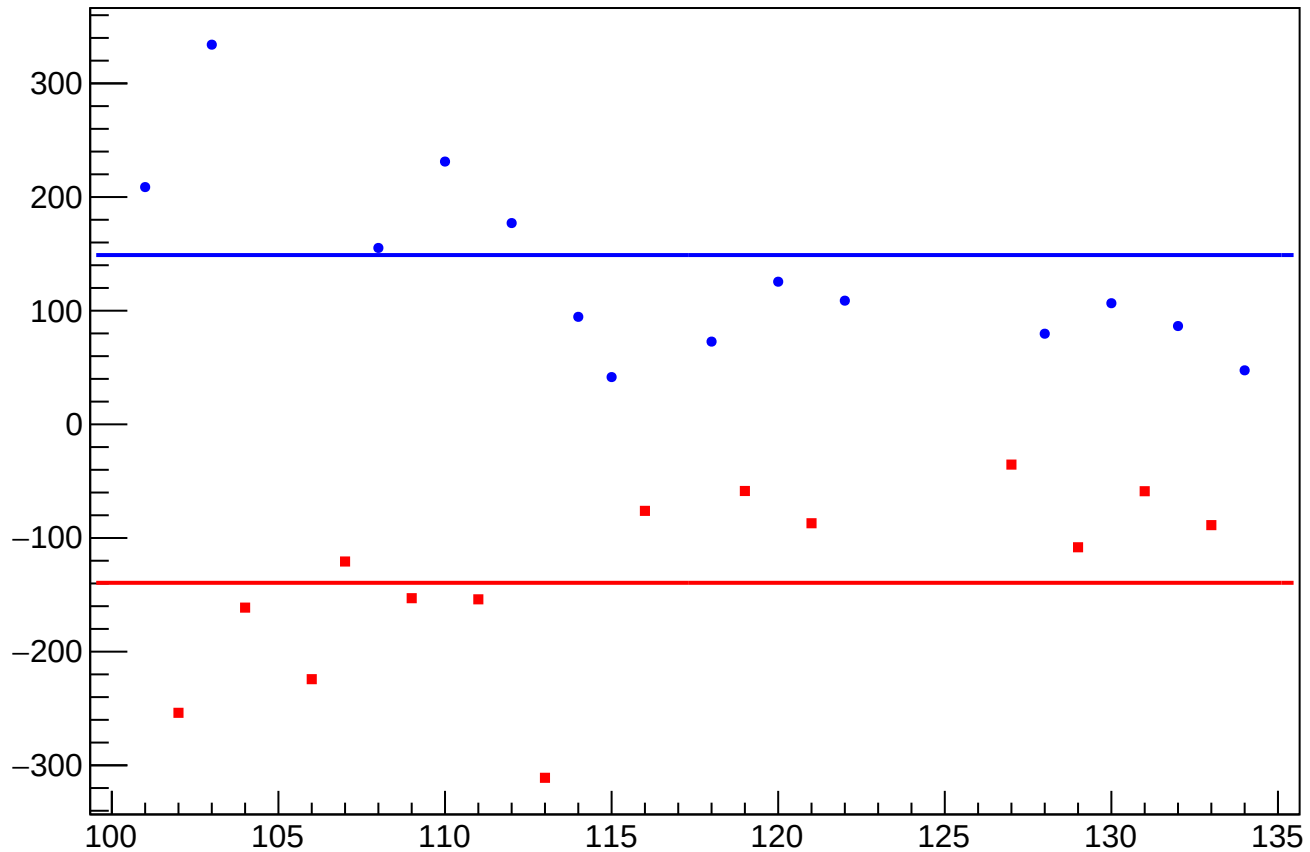
2568.402 $\pm$ 0.000  $\chi^2$ /NDF: 9136029214153077

-30.516 $\pm$ 0.000  $\chi^2$ /NDF: 905805865000

-2460.504 $\pm$ 0.000  $\chi^2$ /NDF: 812345324170643



dit\_sam1\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 148.951+/-0.000  $\chi^2/\text{NDF}$ : 3797112502322437409484660409486016512.0/13

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

Right Out: -139.429+/-0.000  $\chi^2/\text{NDF}$ : 3805927376432040225825974965703278592.0/13

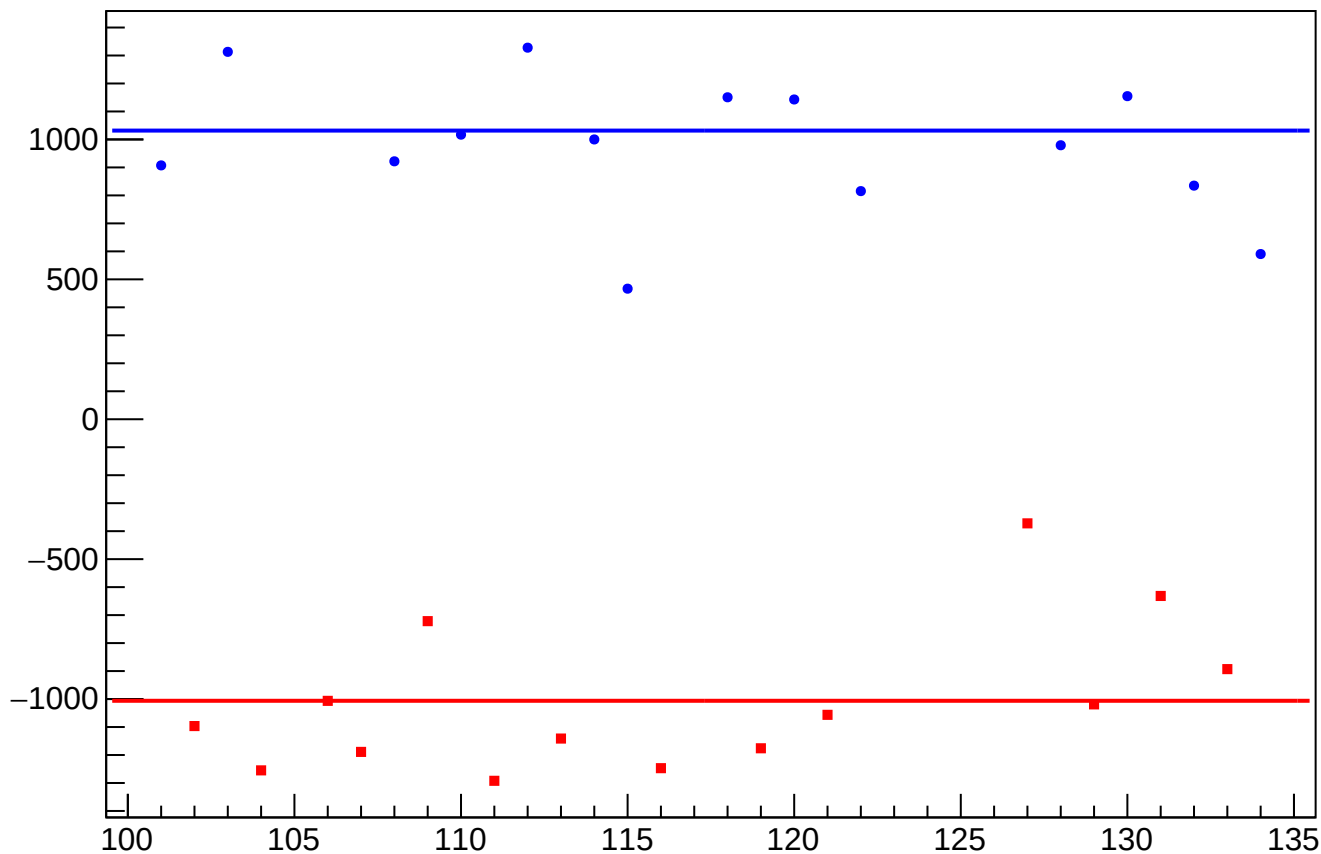
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

148.951+/-0.000  $\chi^2/\text{NDF}$ : 3797112502322437409484660409486016512.0/13

-0.083+/-0.000  $\chi^2/\text{NDF}$ : 3171390692409484660409486016512.0/13

-139.429+/-0.000  $\chi^2/\text{NDF}$ : 3805927376432040225825974965703278592.0/13

dit\_sam1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

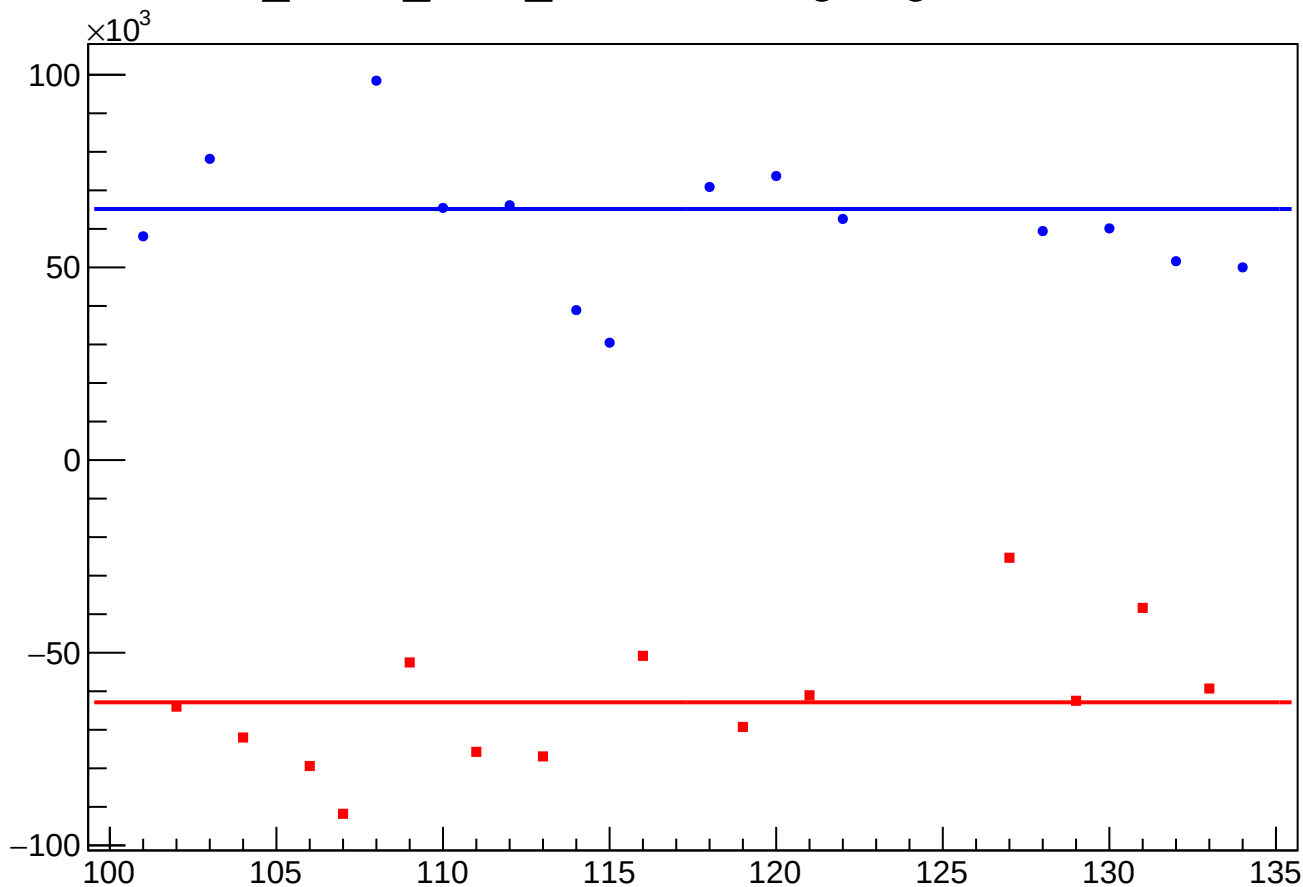
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

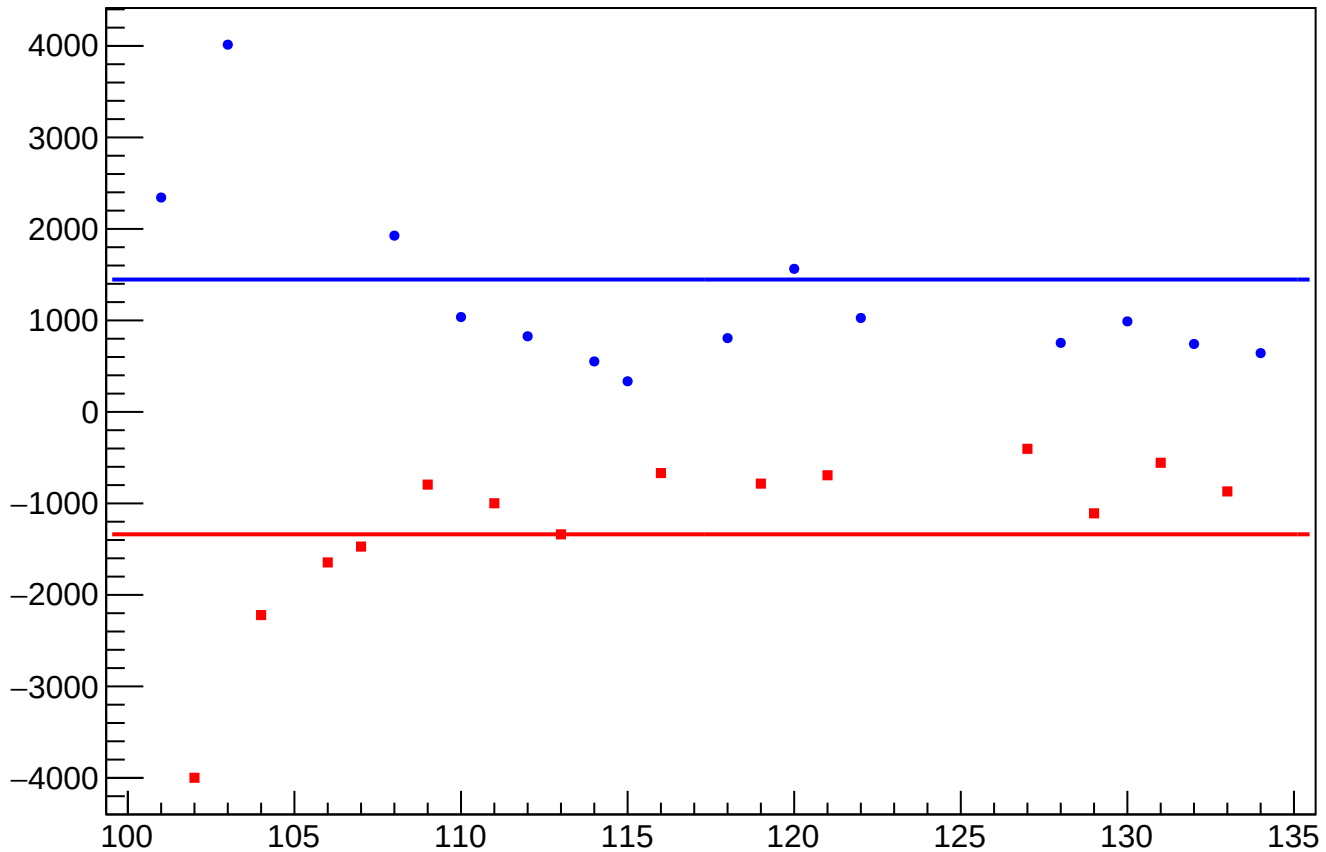
-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_sam2\_coil1\_mean vs Slug, Sign Corrected



Right In: 65160.657 $\pm$ 0.000  $\chi^2$ /NDF: 97682150471221822409518849595708369010688.0/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right Out: -62870.082 $\pm$ 0.000  $\chi^2$ /NDF: 154640540075943595352234899019351822696448.0/13  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam2\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1446.885+/-0.000  $\chi^2/\text{NDF}$ : 593877301052971146088428598383291138048.0/13

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

Right Out: -1337.851+/-0.000  $\chi^2/\text{NDF}$ : 590449162244769477471751943095689674752.0/13

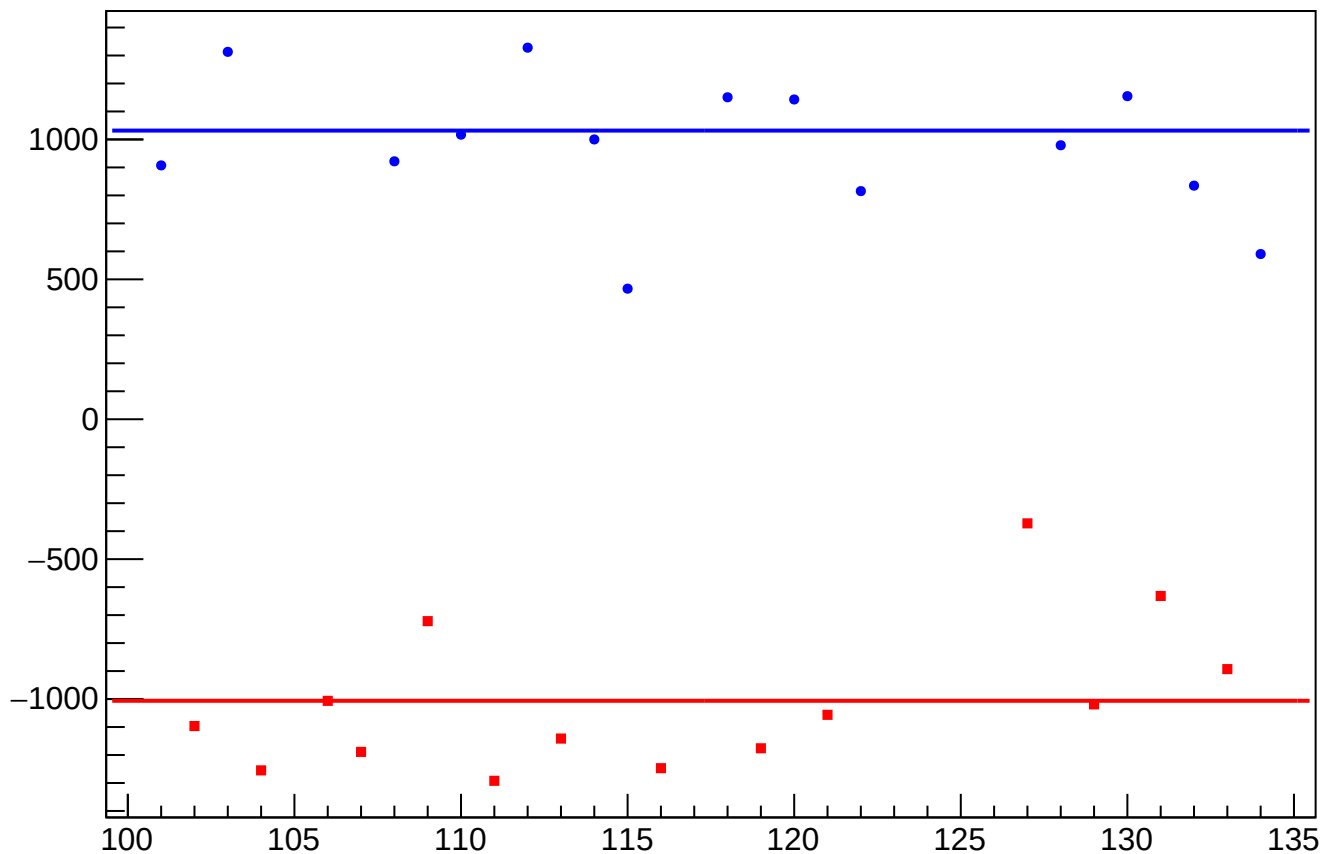
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1446.885+/-0.000  $\chi^2/\text{NDF}$ : 5938773010529711

7.745+/-0.000  $\chi^2/\text{NDF}$ : 34326042289365

-1337.851+/-0.000  $\chi^2/\text{NDF}$ : 590449162244769

dit\_sam2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

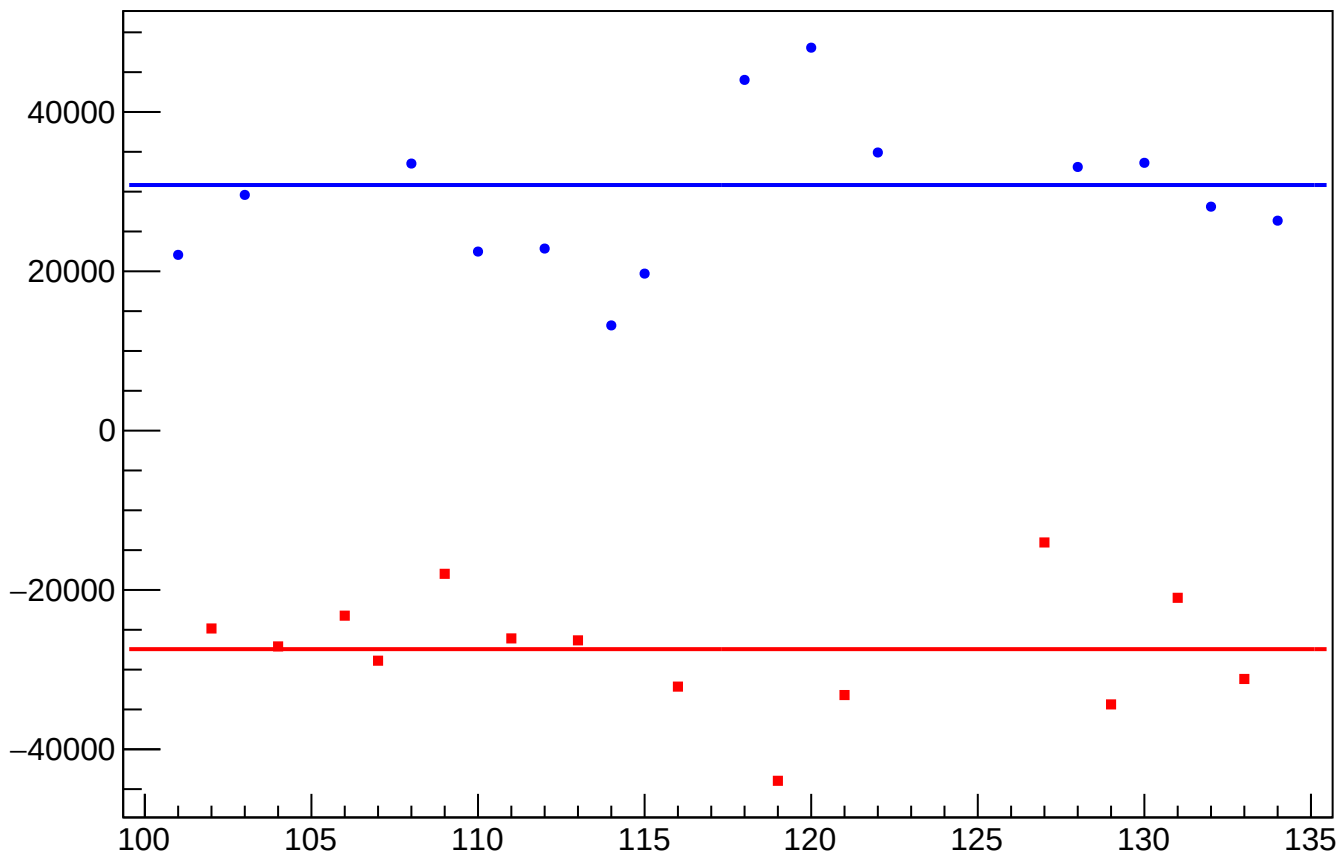
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

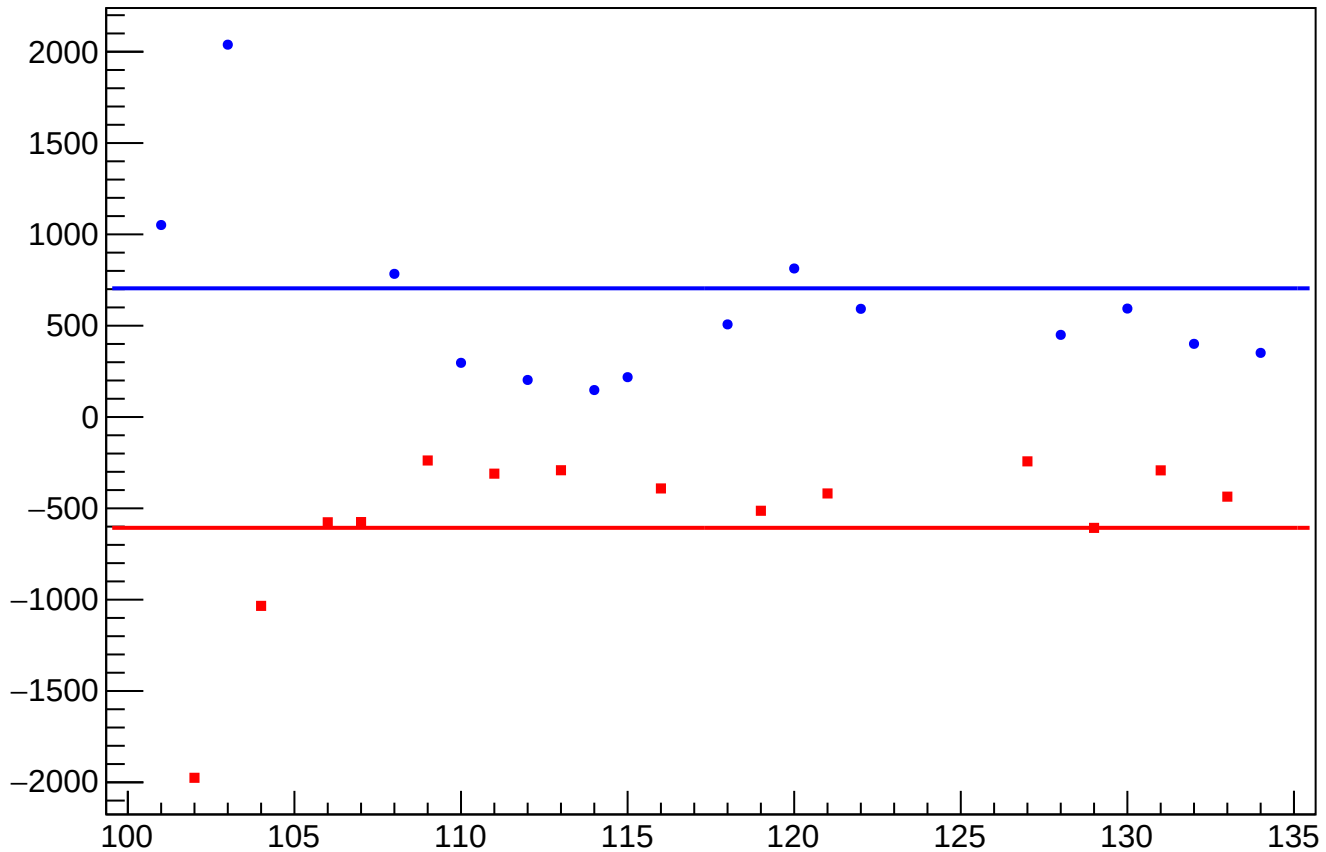
-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

dit\_sam3\_coil1\_mean vs Slug, Sign Corrected



Right In: 30832.877+/-0.000  $\chi^2/\text{NDF}$ : 37283930314808261859906791718636325175296.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -27429.131+/-0.000  $\chi^2/\text{NDF}$ : 33700760118813068832050562623813913149440.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 704.627+/-0.000  $\chi^2/\text{NDF}$ : 150718755939708240487812392706998534144.0/13

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

Right Out: -606.684+/-0.000  $\chi^2/\text{NDF}$ : 147138593673146853092696314439241039872.0/13

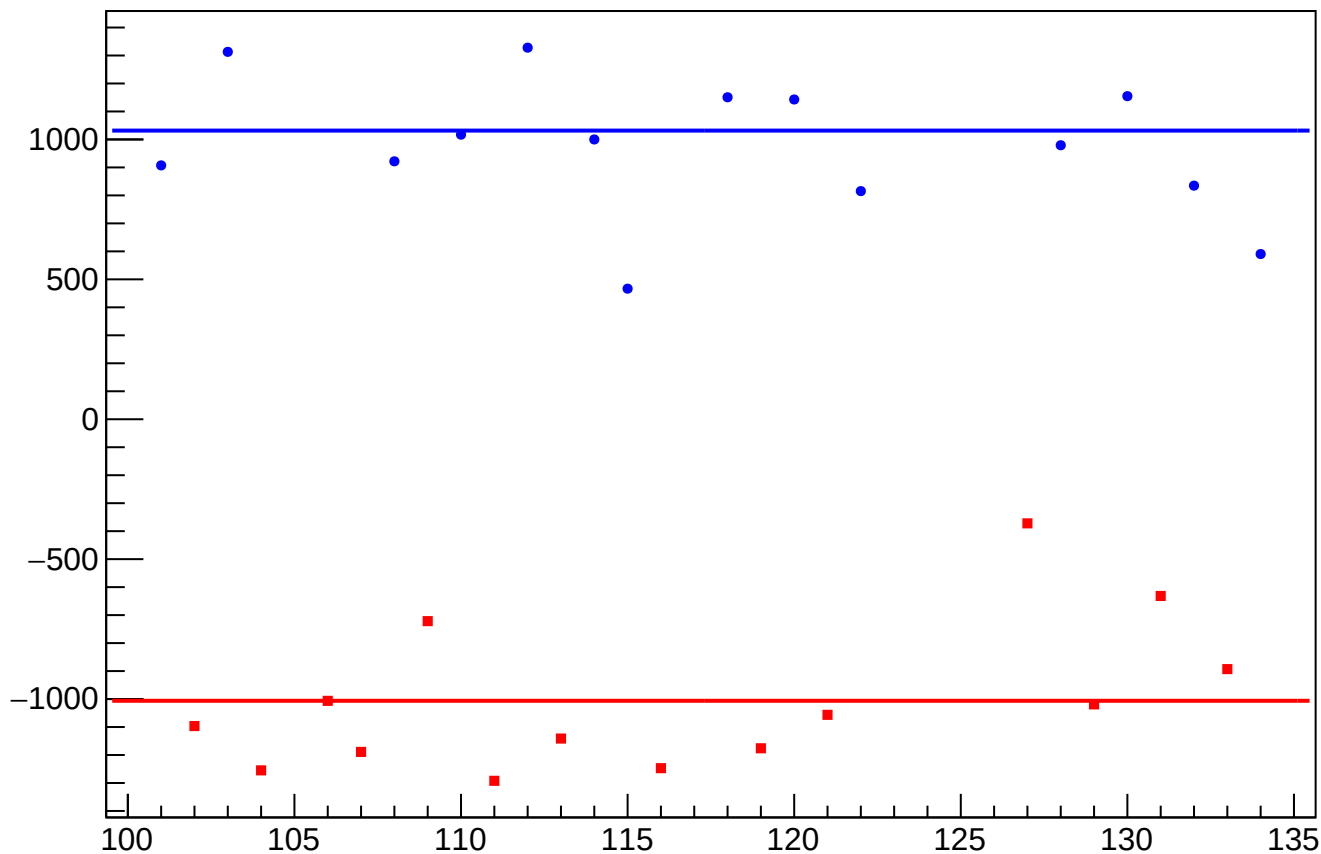
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

704.627+/-0.000  $\chi^2/\text{NDF}$ : 150718755939708240487812392706998534144.0/13

26.947+/-0.000  $\chi^2/\text{NDF}$ : 7963896120028

-606.684+/-0.000  $\chi^2/\text{NDF}$ : 147138593673146853092696314439241039872.0/13

dit\_sam3\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

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

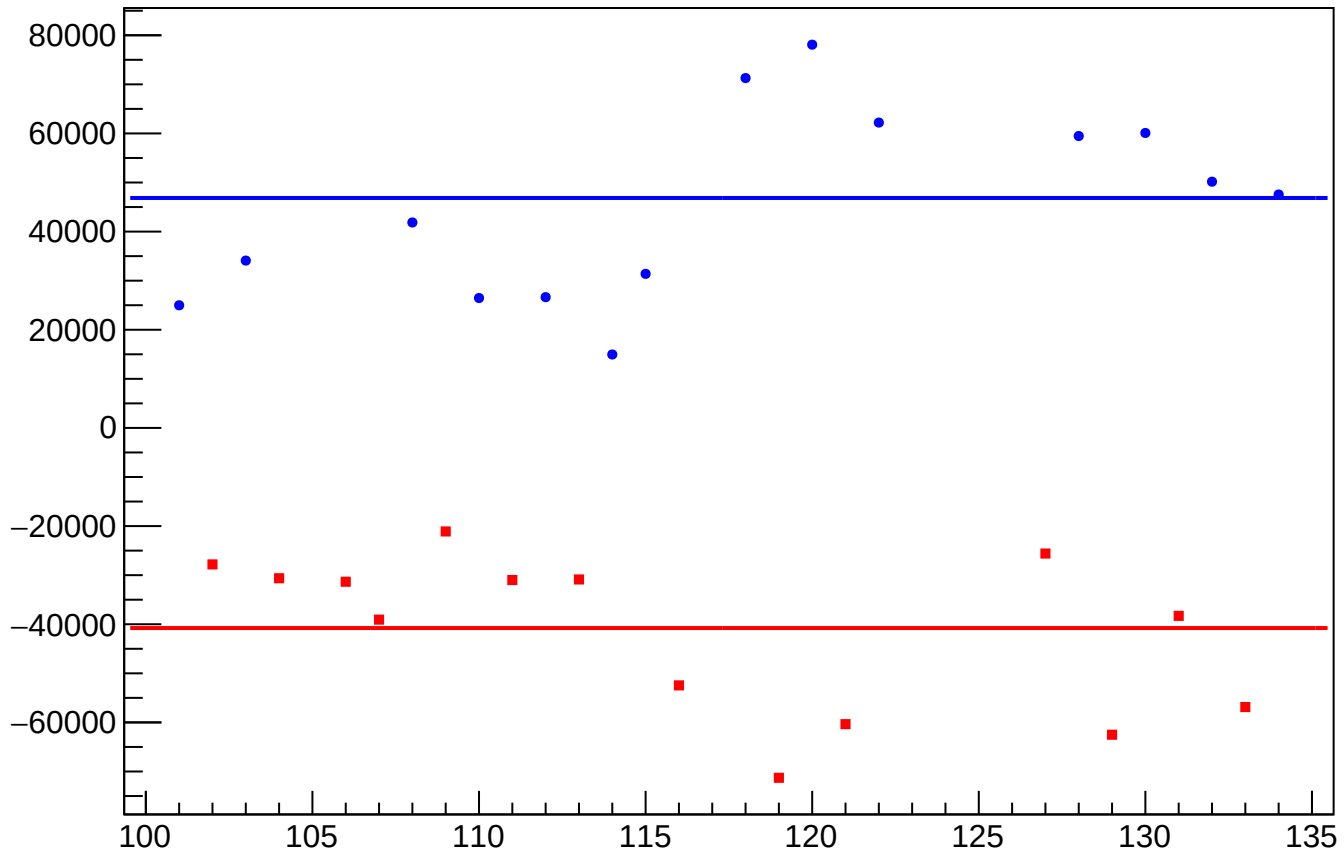
1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

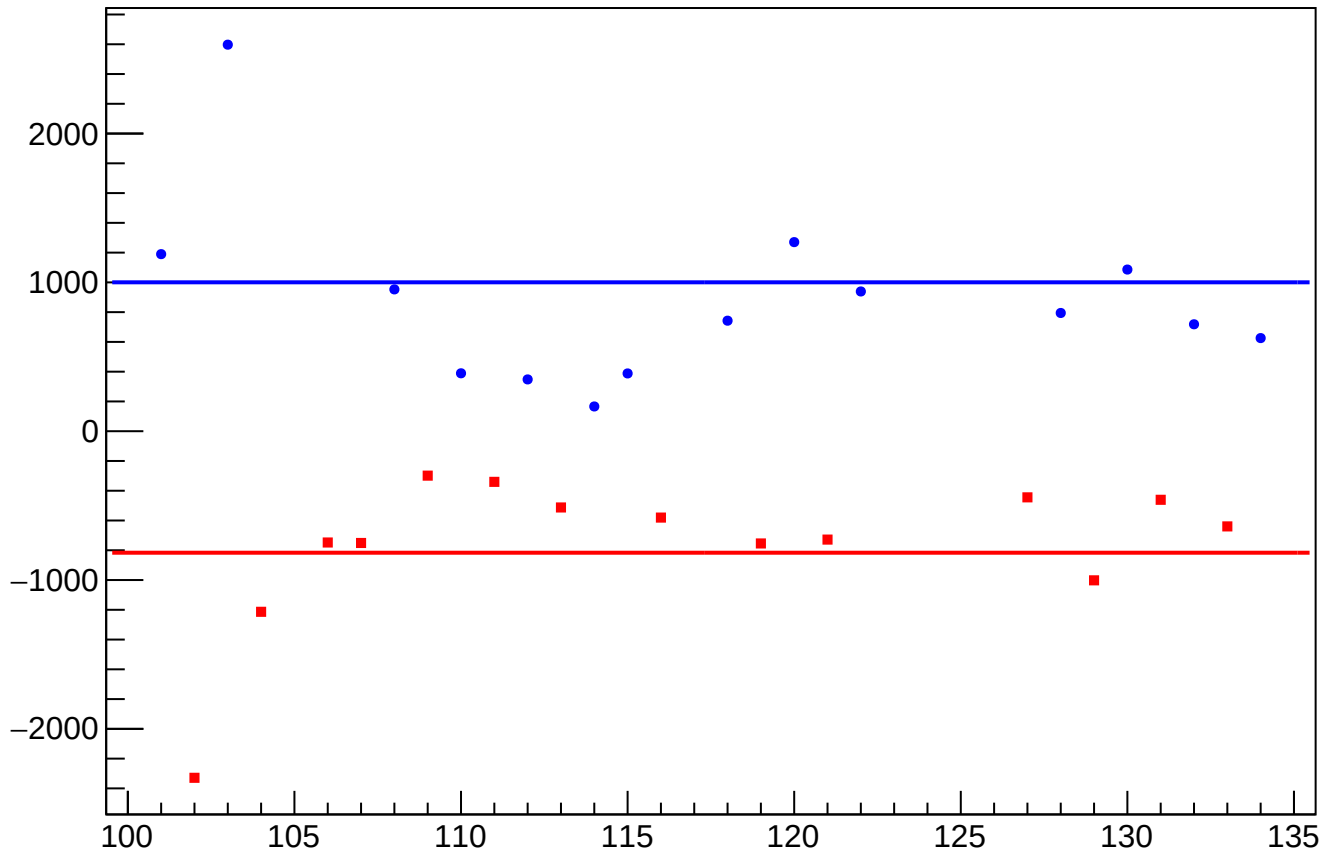


# dit\_sam4\_coil1\_mean vs Slug, Sign Corrected



Right In: 46851.333+/-0.000  $\chi^2/\text{NDF}$ : 181985538010032257687985429006735569321984.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -40771.443+/-0.000  $\chi^2/\text{NDF}$ : 154381944665631558709017835231687041089536.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 1000.442+/-0.000  $\chi^2/\text{NDF}$ : 214825979355145627657978240805917163520.0/13

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

Right Out: -816.478+/-0.000  $\chi^2/\text{NDF}$ : 184408649453303971559554194395172438016.0/13

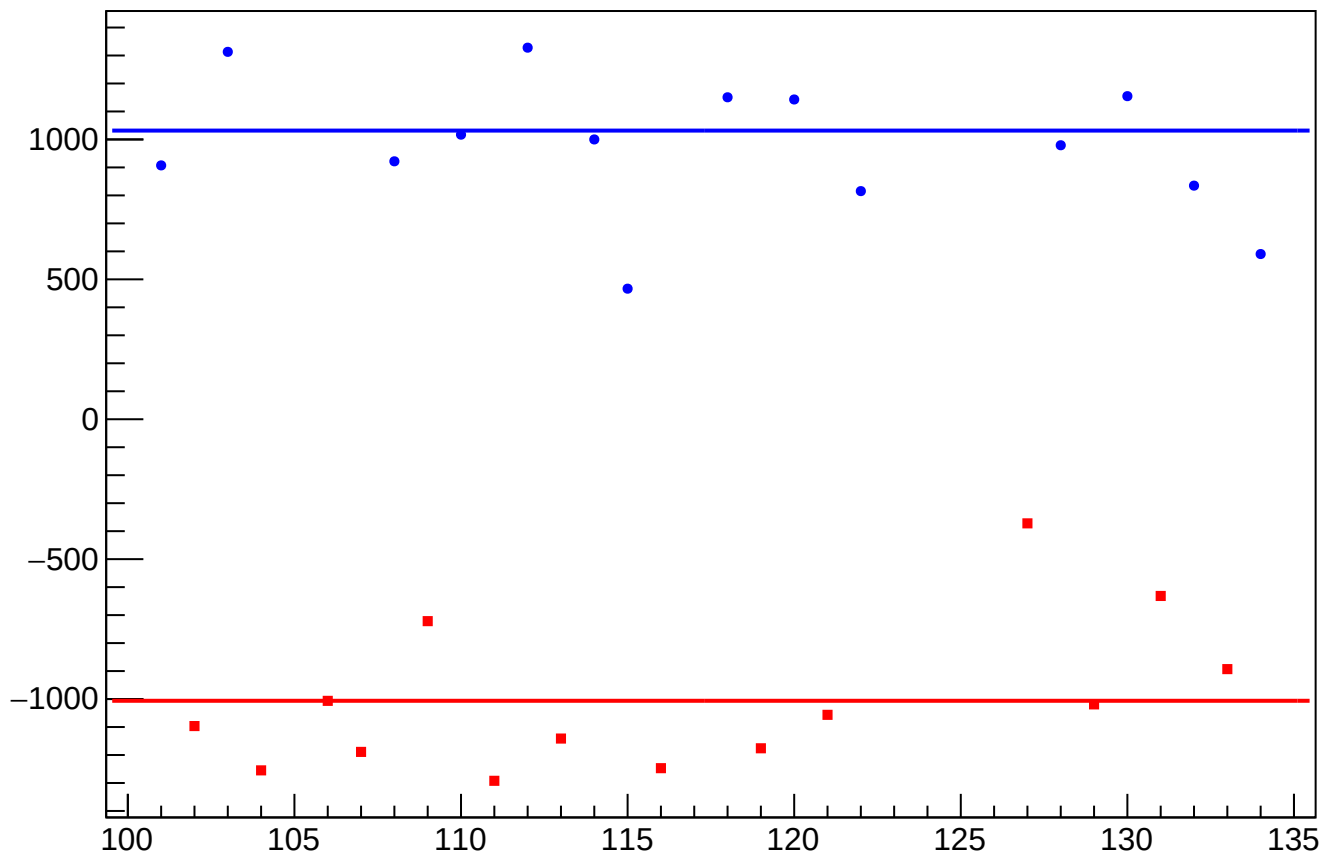
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1000.442+/-0.000  $\chi^2/\text{NDF}$ : 2148259793551456

61.465+/-0.000  $\chi^2/\text{NDF}$ : 1356326470050

-816.478+/-0.000  $\chi^2/\text{NDF}$ : 1844086494533039

dit\_sam4\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

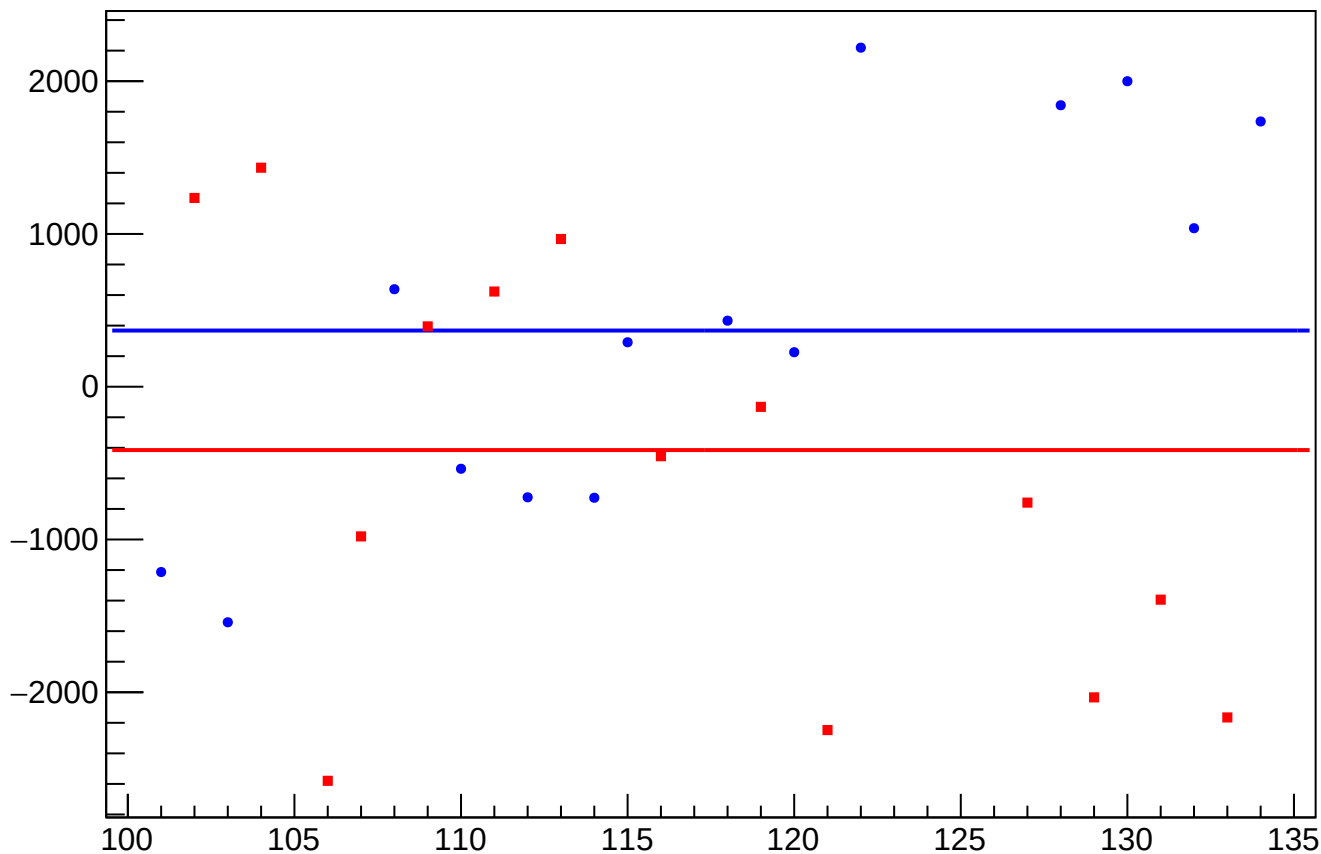
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

dit\_sam5\_coil1\_mean vs Slug, Sign Corrected



Right In: 367.761+/-0.000  $\chi^2/\text{NDF}$ : 925401313962184703643110195075823435776.0/13

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

Right Out: -414.728+/-0.000  $\chi^2/\text{NDF}$ : 1076058258186675050416734283560151678976.0/13

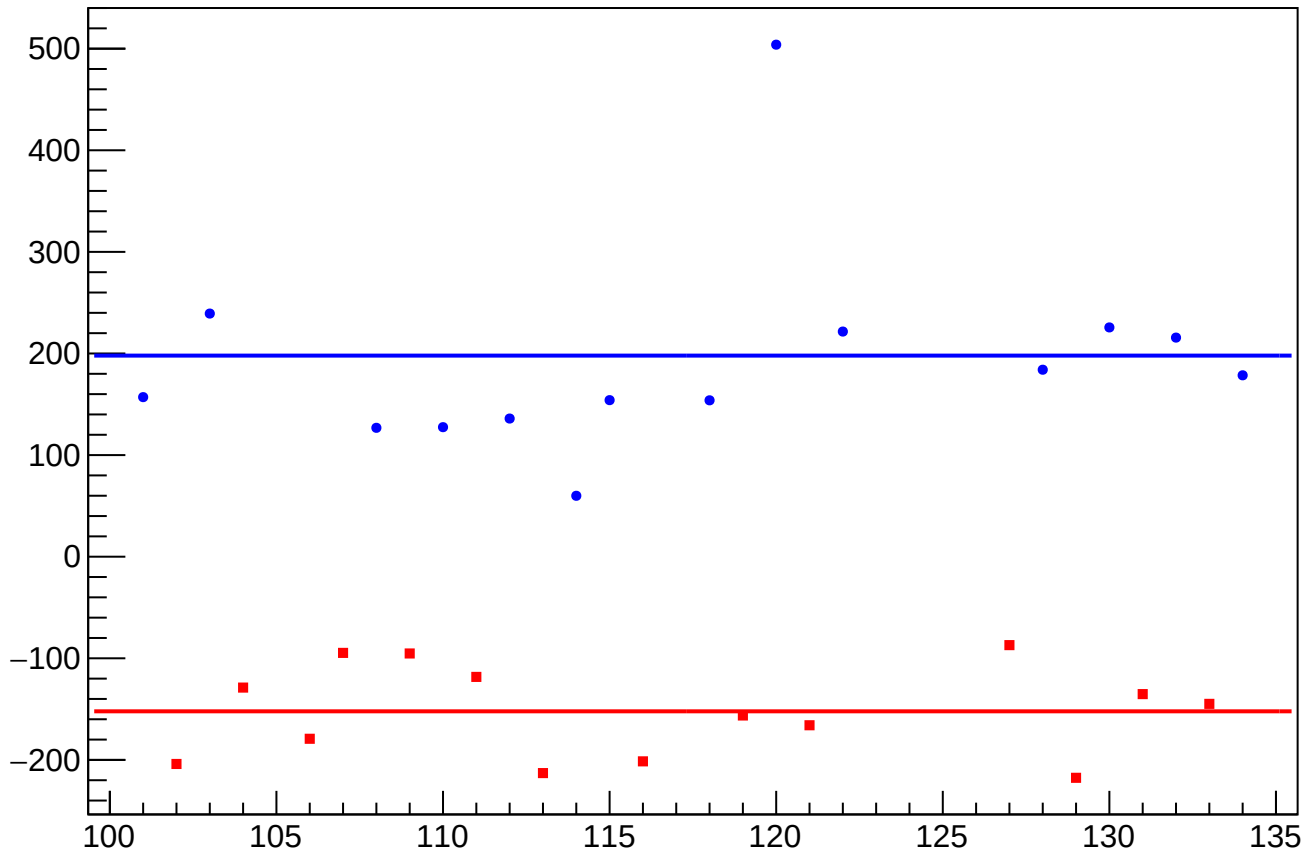
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

367.761+/-0.000  $\chi^2/\text{NDF}$ : 925401313962184703643110195075823435776.0/13

-36.626+/-0.000  $\chi^2/\text{NDF}$ : 217897560479.0/13

-414.728+/-0.000  $\chi^2/\text{NDF}$ : 1076058258186675050416734283560151678976.0/13

# dit\_sam5\_coil1\_err\_mean vs Slug, Sign Corrected



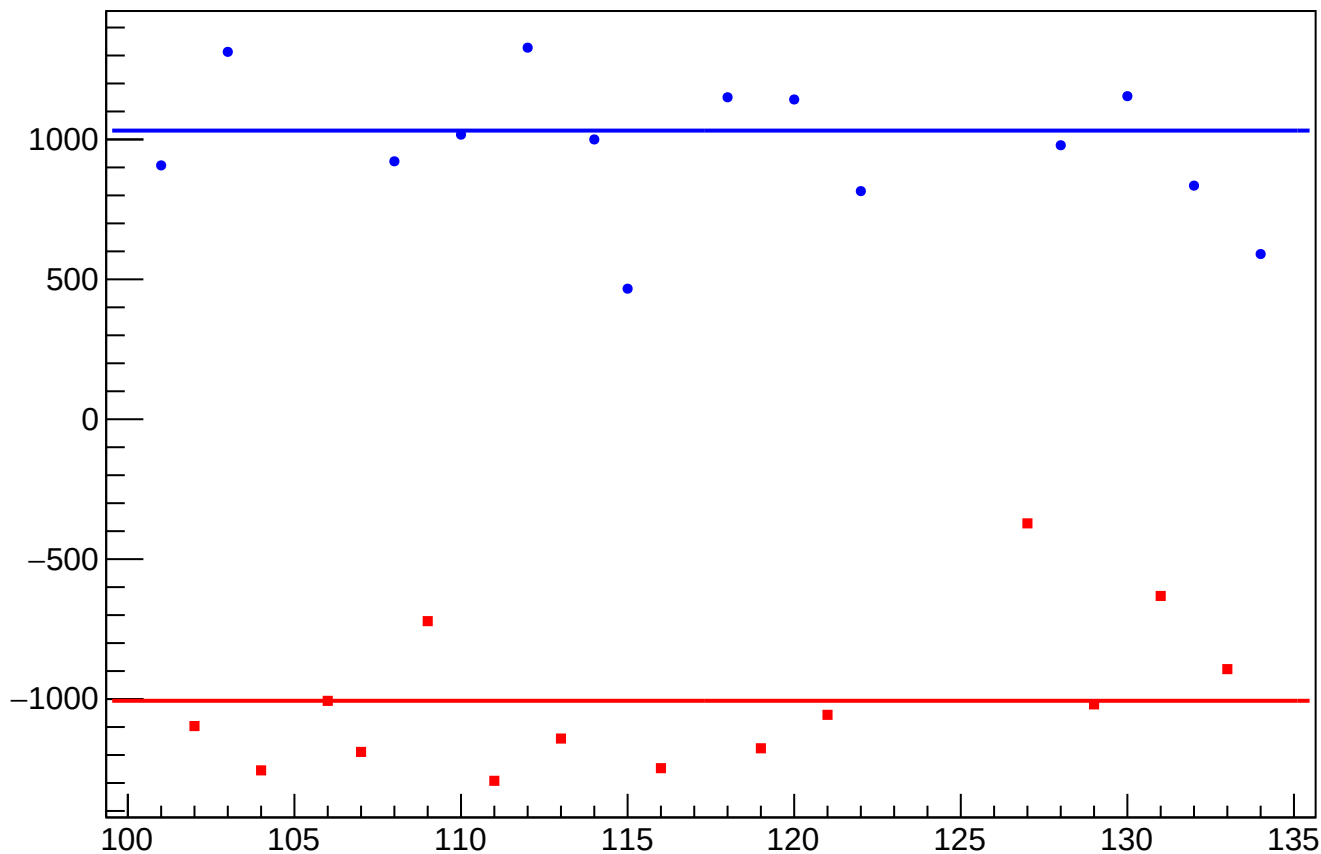
Right In: 197.914+/-0.000  $\chi^2/\text{NDF}$ : 4481444509400573106329902981597626368.0/13

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

Right Out: -152.181+/-0.000  $\chi^2/\text{NDF}$ : 1157838208572417816439169799421952000.0/13

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

dit\_sam5\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

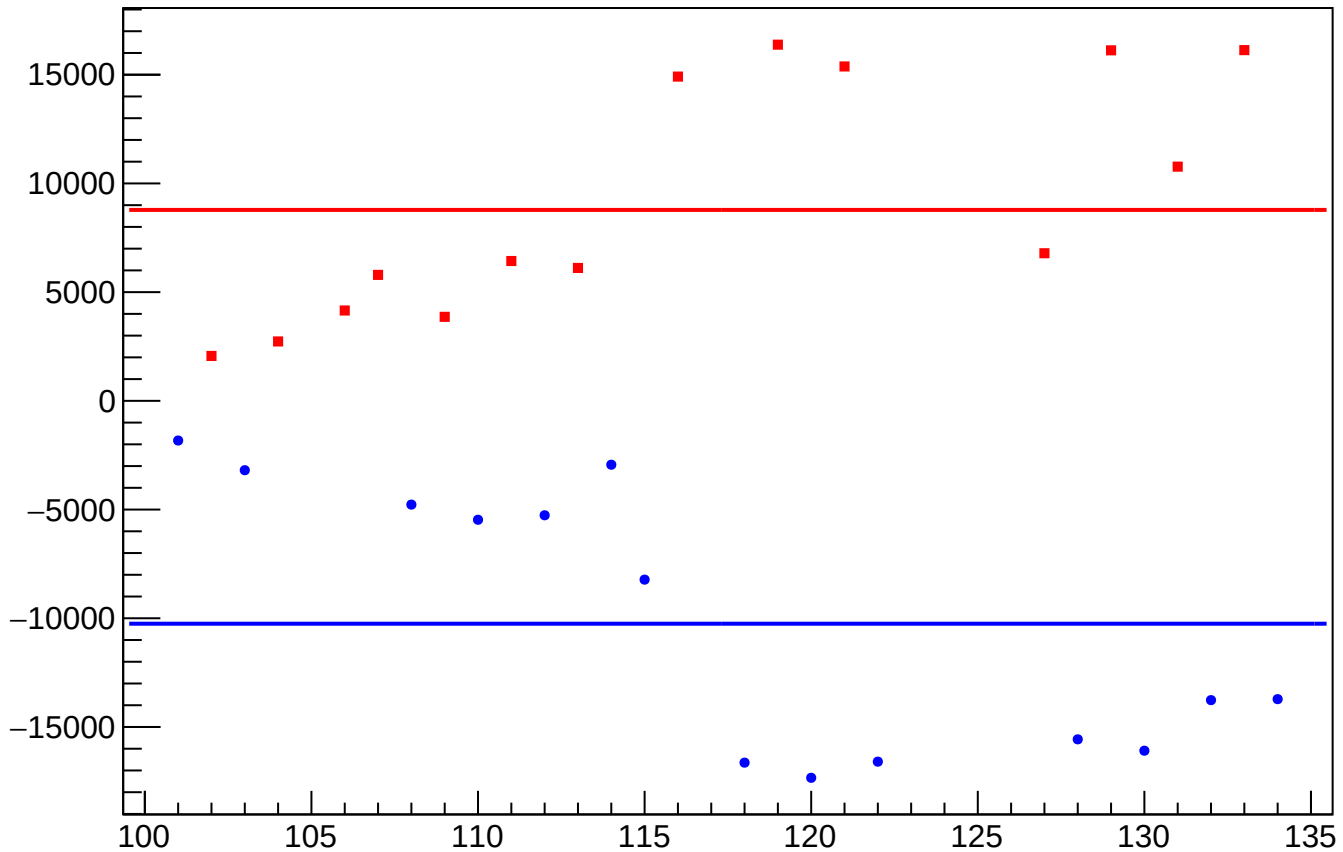
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

dit\_sam6\_coil1\_mean vs Slug, Sign Corrected



Right In: -10250.428+/-0.000  $\chi^2/\text{NDF}$ : 20618171556746869840649100774748547186688.0/13

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

Right Out: 8781.829+/-0.000  $\chi^2/\text{NDF}$ : 17857584379508171586328970142669862862848.0/13

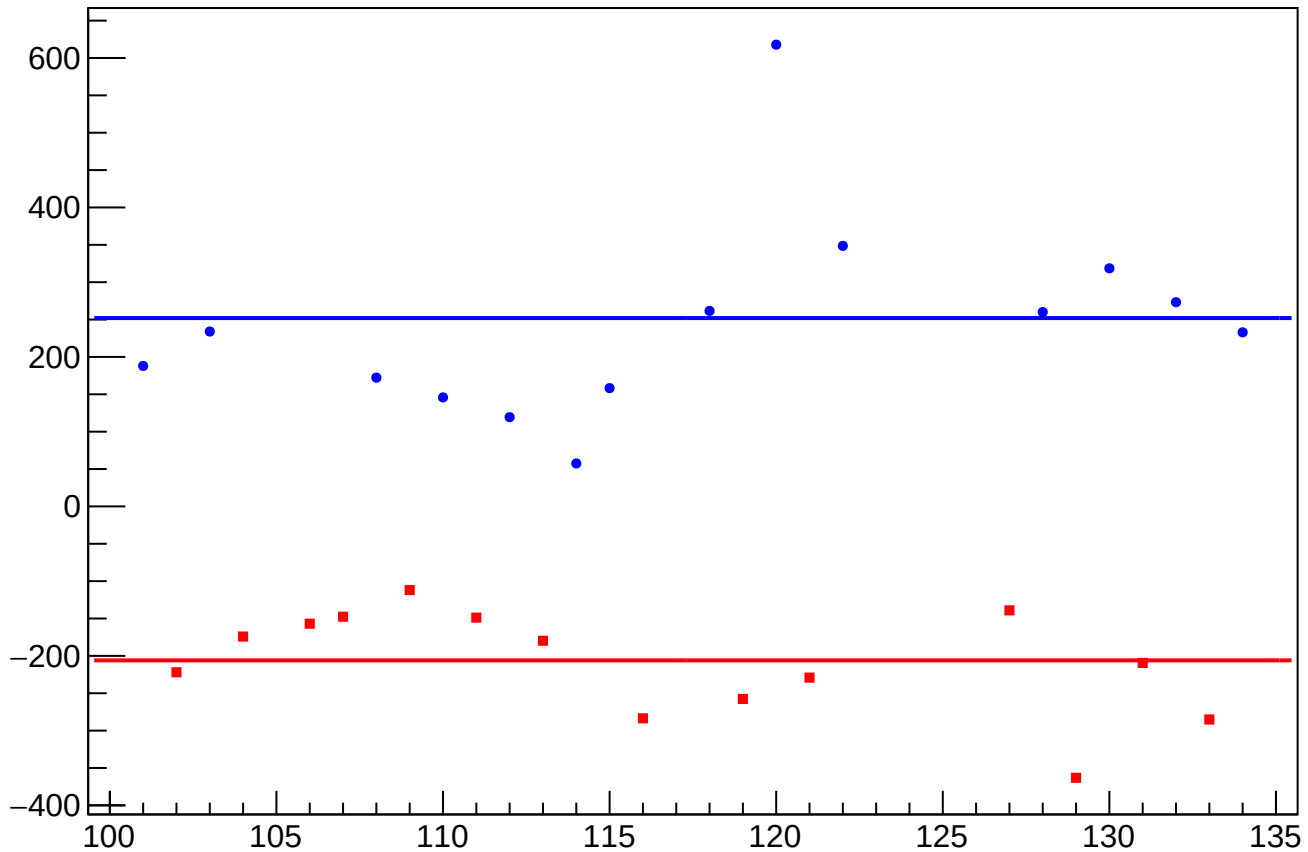
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-10250.428+/-0.000  $\chi^2/\text{NDF}$ : 20618171556746

-414.636+/-0.000  $\chi^2/\text{NDF}$ : 14349344482

8781.829+/-0.000  $\chi^2/\text{NDF}$ : 1785758437950817

dit\_sam6\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 252.006+/-0.000  $\chi^2/\text{NDF}$ : 7670590654840889200523218785746812928.0/13

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

Right Out: -206.021+/-0.000  $\chi^2/\text{NDF}$ : 2706067416336036735633621613209976832.0/13

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

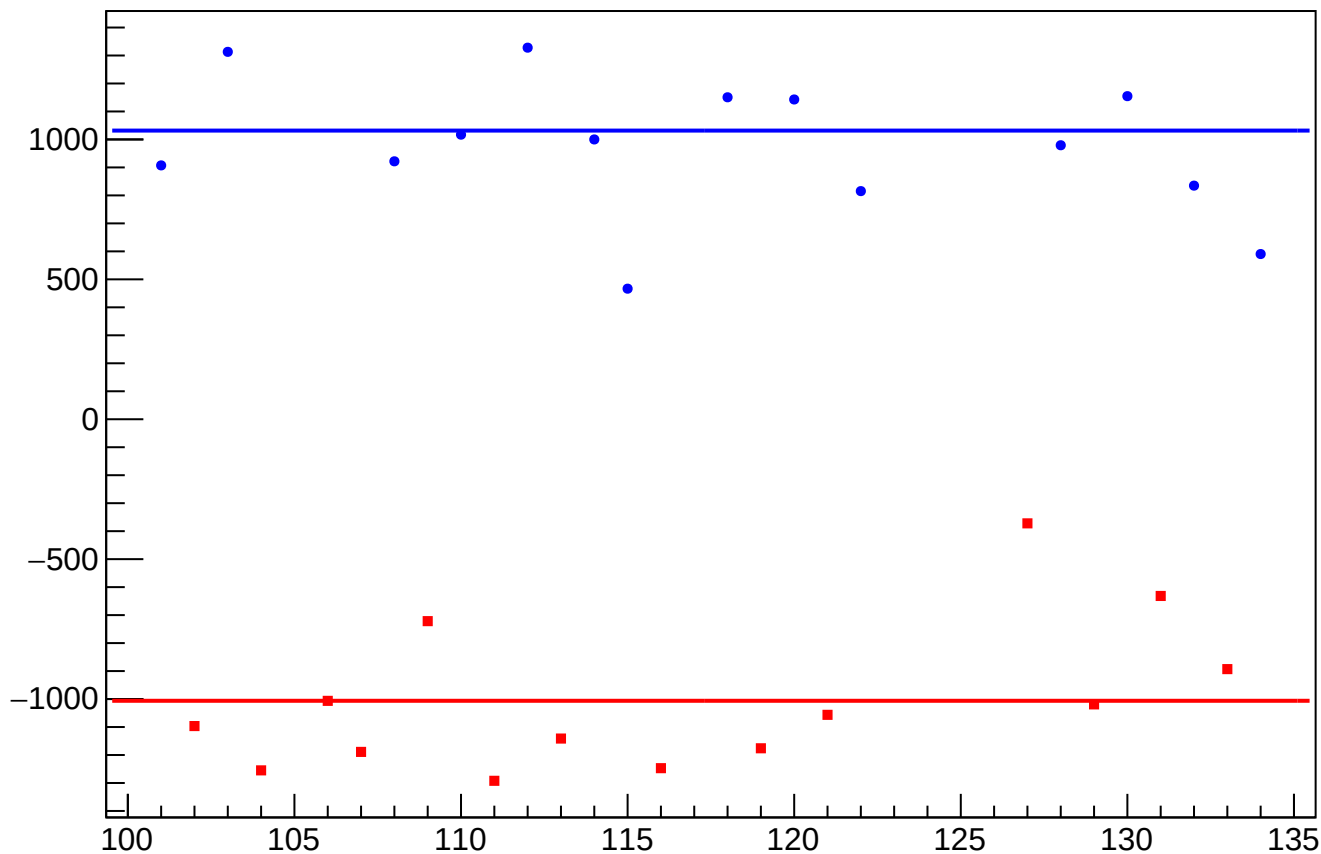
252.006+/-0.000  $\chi^2/\text{NDF}$ : 7670590654840889200523218785746812928.0/13

15.299+/-0.000  $\chi^2/\text{NDF}$ : 7119909388795

-206.021+/-0.000  $\chi^2/\text{NDF}$ : 2706067416336036735633621613209976832.0/13



dit\_sam6\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

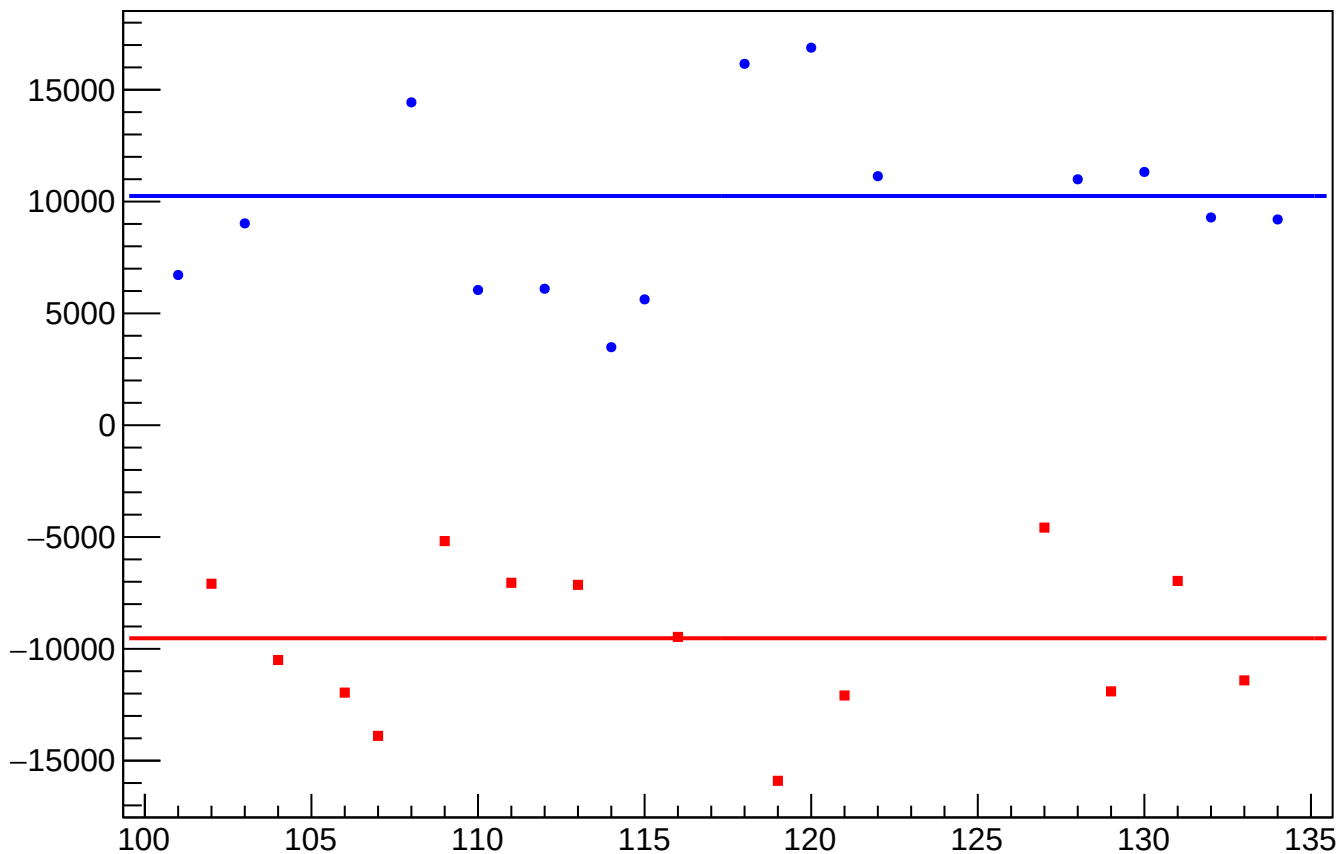
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

dit\_sam7\_coil1\_mean vs Slug, Sign Corrected



Right In: 10249.643+/-0.000  $\chi^2/\text{NDF}$ : 7315237810941301465469694165178772357120.0/13

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

Right Out: -9527.173+/-0.000  $\chi^2/\text{NDF}$ : 6817971155402723903044405179476002996224.0/13

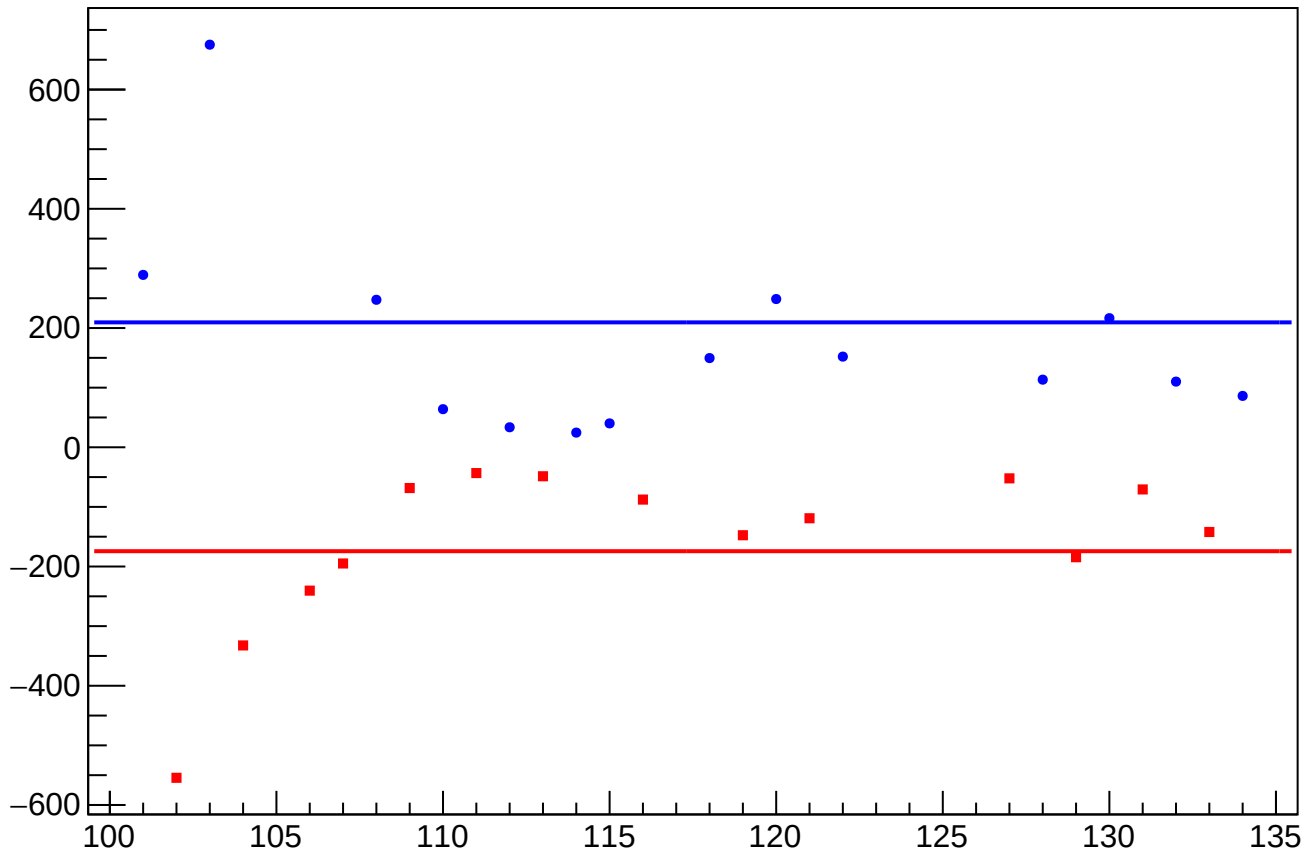
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

10249.643+/-0.000  $\chi^2/\text{NDF}$ : 7315237810941301465469694165178772357120.0/13

29.067+/-0.000  $\chi^2/\text{NDF}$ : 1275283995979

-9527.173+/-0.000  $\chi^2/\text{NDF}$ : 6817971155402723903044405179476002996224.0/13

dit\_sam7\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 209.501+/-0.000  $\chi^2/\text{NDF}$ : 17864657487823365085121147965664133120.0/13

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

Right Out: -174.307+/-0.000  $\chi^2/\text{NDF}$ : 13308520307096662171994194360620023808.0/13

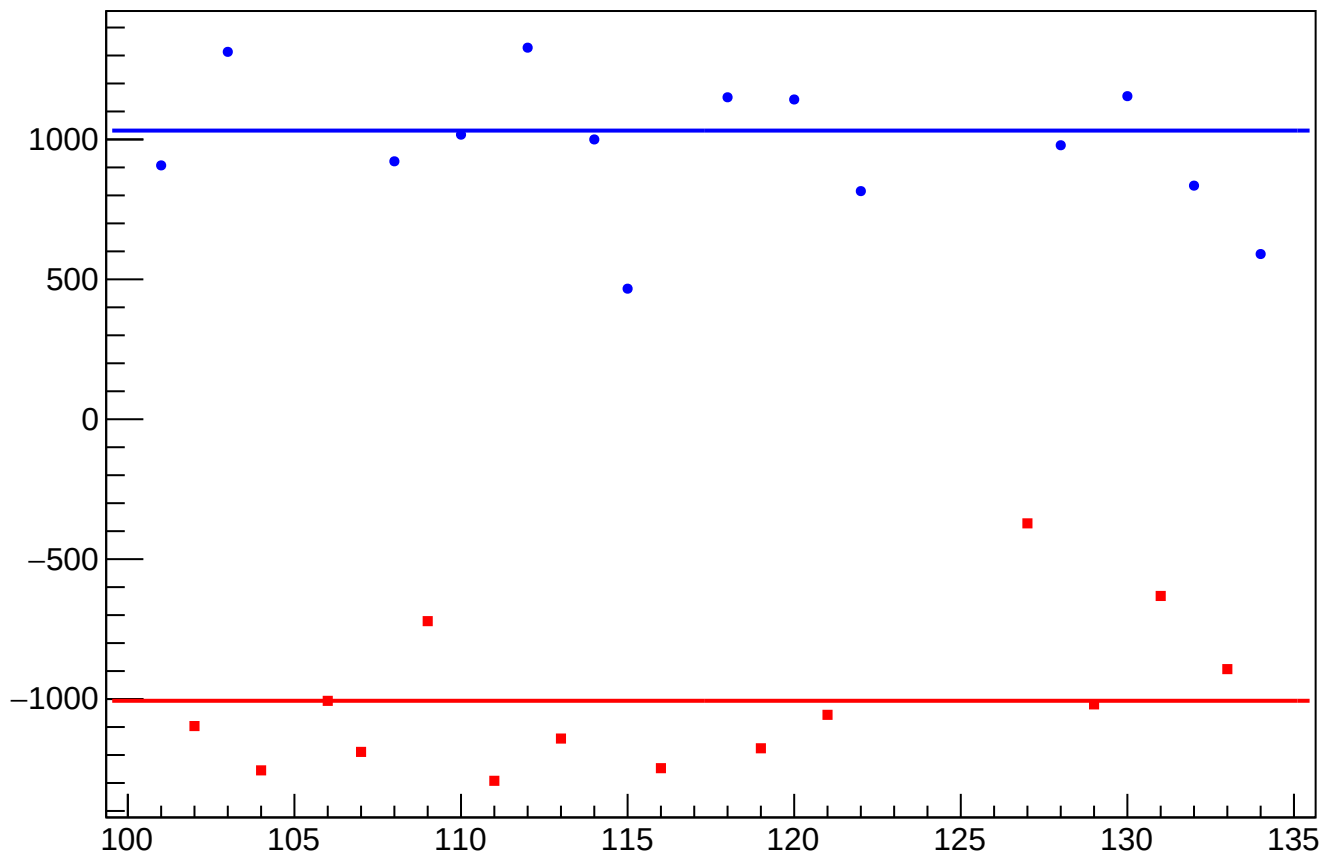
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

209.501+/-0.000  $\chi^2/\text{NDF}$ : 17864657487823365

11.150+/-0.000  $\chi^2/\text{NDF}$ : 7388135160430

-174.307+/-0.000  $\chi^2/\text{NDF}$ : 1330852030709666

dit\_sam7\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

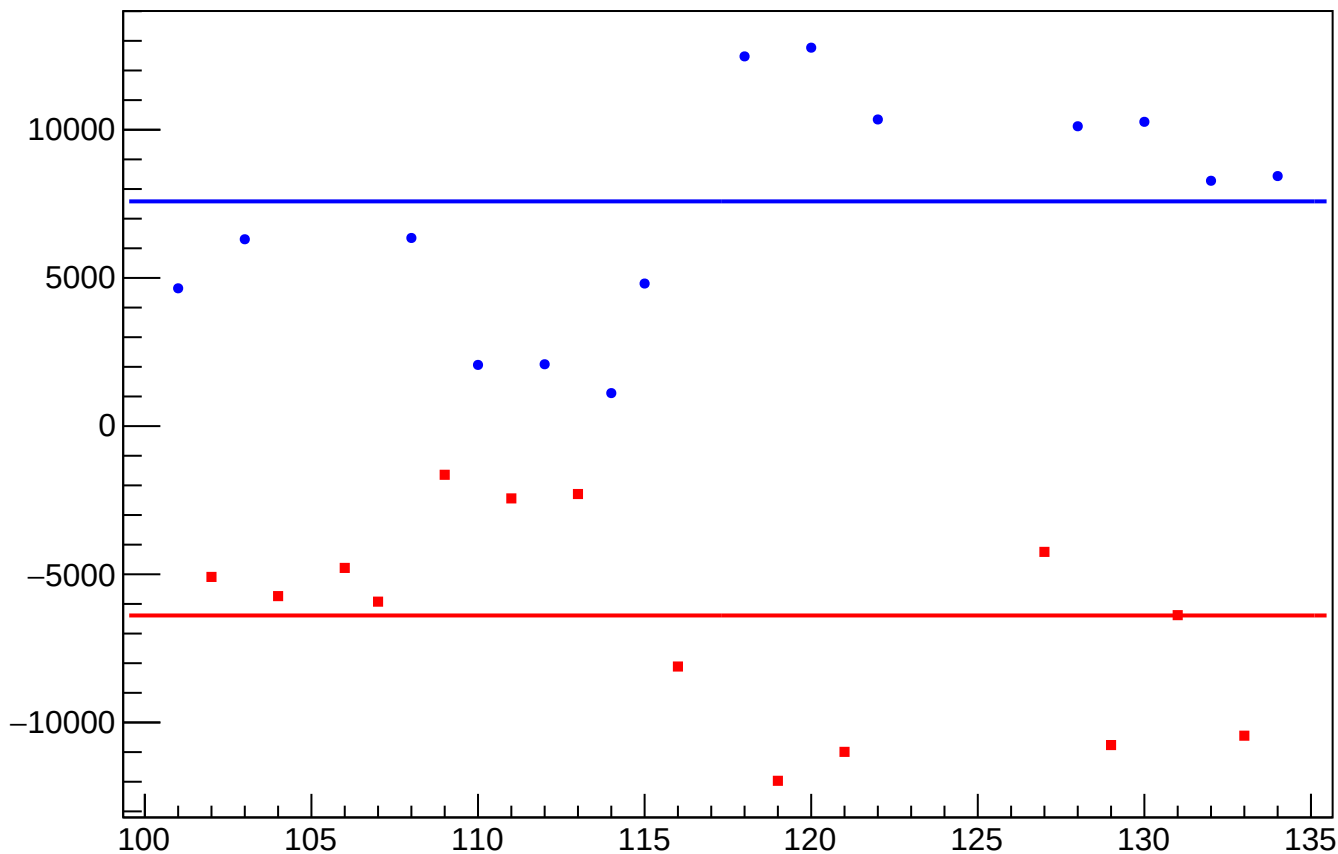
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

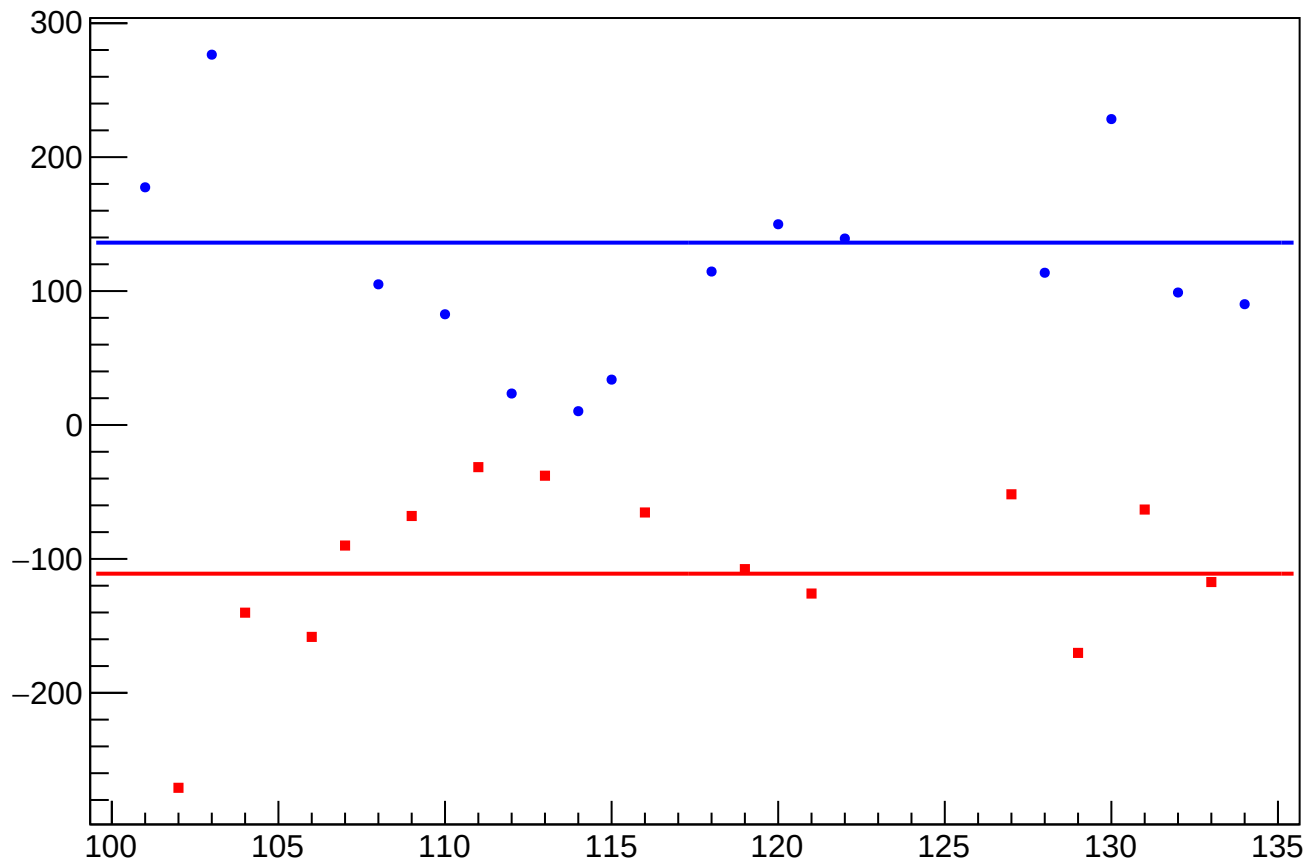
-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

dit\_sam8\_coil1\_mean vs Slug, Sign Corrected



Right In: 7583.178+/-0.000  $\chi^2/\text{NDF}$ : 7095074298808182846396574214467874717696.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -6389.605+/-0.000  $\chi^2/\text{NDF}$ : 7046166461379642376224256626443746803712.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil1\_err\_mean vs Slug, Sign Corrected



Right In: 136.155+/-0.000  $\chi^2/\text{NDF}$ : 2959553881575352044038516011905843200.0/13

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

Right Out: -111.024+/-0.000  $\chi^2/\text{NDF}$ : 2680372204564222741562390580517928960.0/13

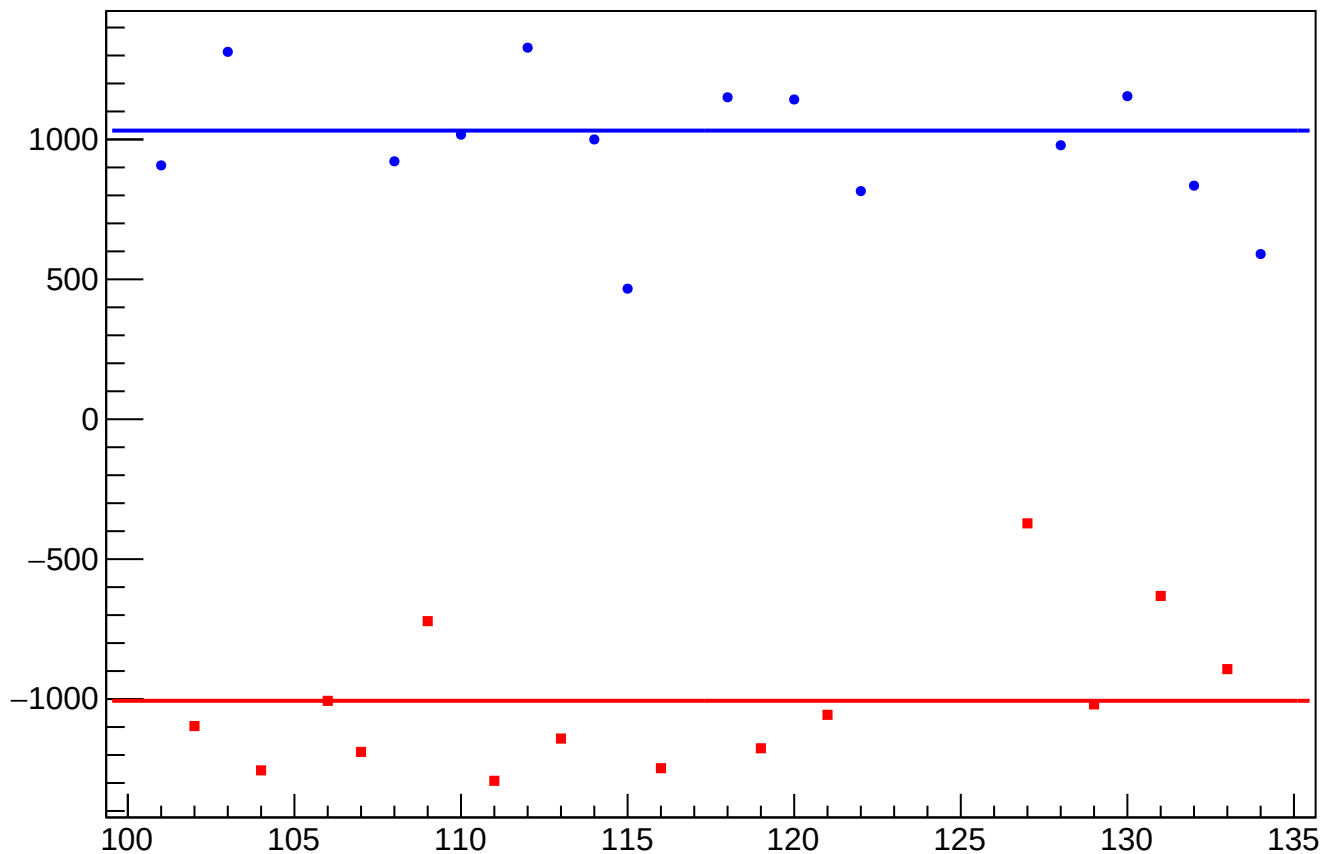
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

136.155+/-0.000  $\chi^2/\text{NDF}$ : 2959553881575352044038516011905843200.0/13

8.414+/-0.000  $\chi^2/\text{NDF}$ : 23353460632091

-111.024+/-0.000  $\chi^2/\text{NDF}$ : 2680372204564222741562390580517928960.0/13

dit\_sam8\_coil1\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1031.679+/-0.000  $\chi^2/\text{NDF}$ : 23959046099865272953840237444824301568.0/13

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

Right Out: -1006.210+/-0.000  $\chi^2/\text{NDF}$ : 39684531122613239127936845553755750400.0/13

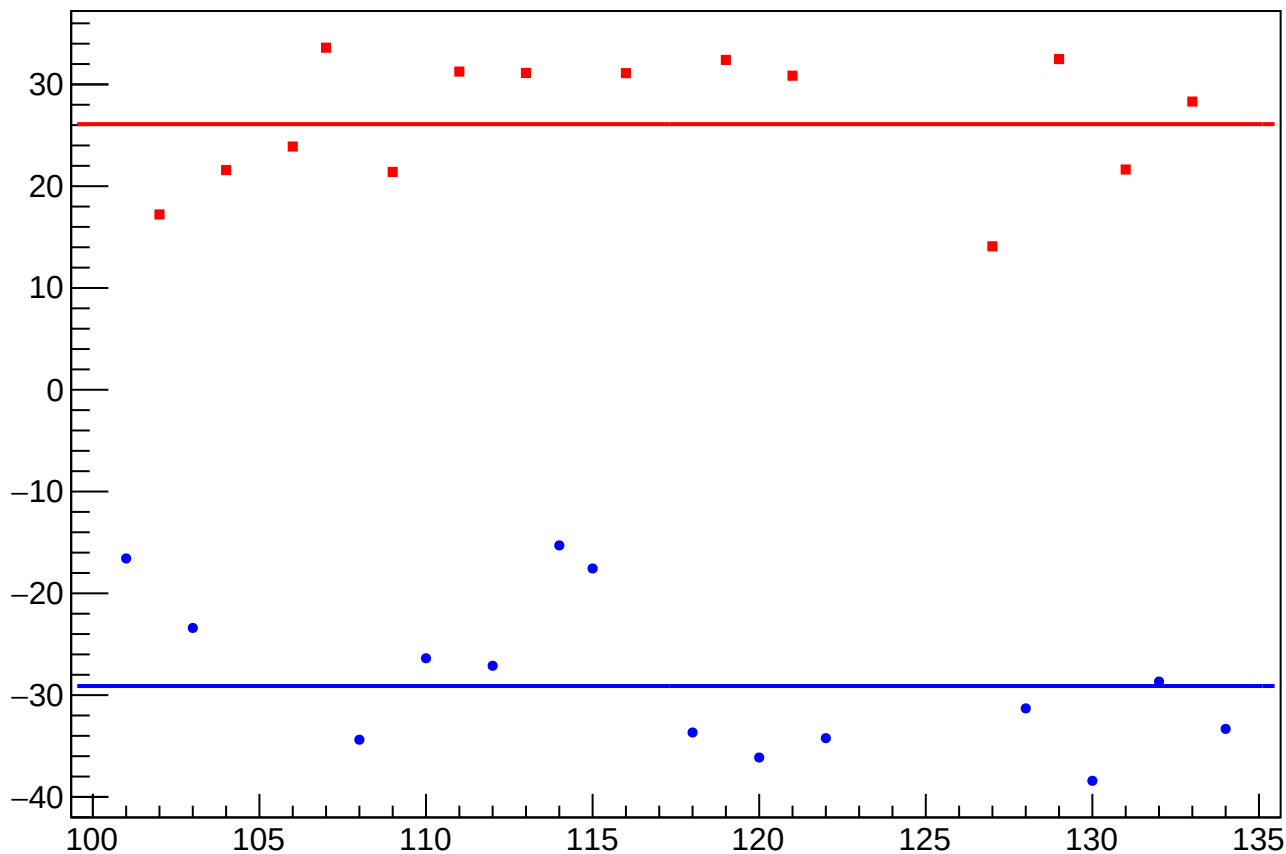
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1031.679+/-0.000  $\chi^2/\text{NDF}$ : 2395904609986527

-21.494+/-0.000  $\chi^2/\text{NDF}$ : 126768936763

-1006.210+/-0.000  $\chi^2/\text{NDF}$ : 396845311226132

# dit\_4aX\_coil3\_mean vs Slug, Sign Corrected



Right In: -29.106+/-0.000  $\chi^2/\text{NDF}$ : 25715842475700864445243002152026112.0/13

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

Right Out: 26.095+/-0.000  $\chi^2/\text{NDF}$ : 23730531178628621942498468896440320.0/13

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

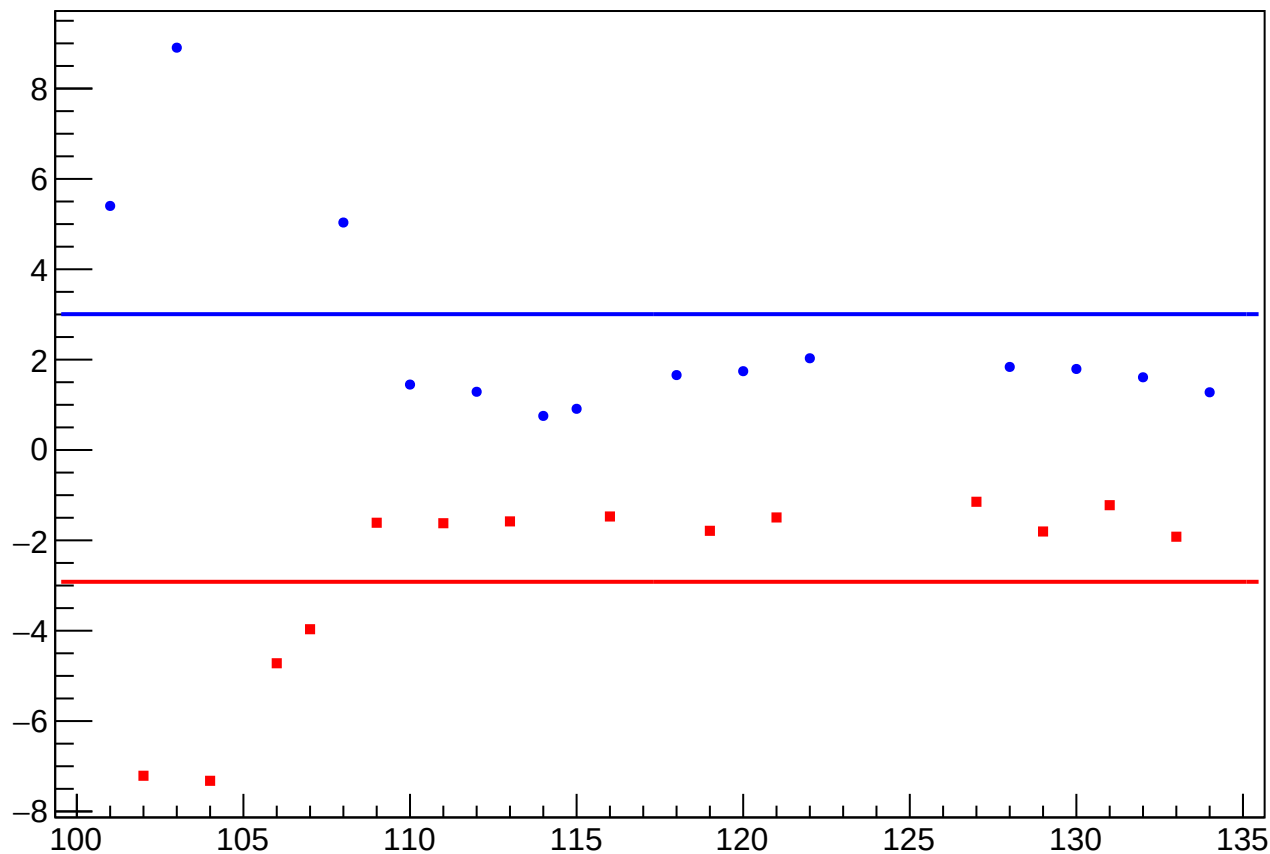
-29.106+/-0.000  $\chi^2/\text{NDF}$ : 25715842475700864

-0.578+/-0.000  $\chi^2/\text{NDF}$ : 9328925847276

26.095+/-0.000  $\chi^2/\text{NDF}$ : 237305311786286219



dit\_4aX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 3.006+/-0.000  $\chi^2/\text{NDF}$ : 3375610115973817723743039611994112.0/13

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

Right Out: -2.917+/-0.000  $\chi^2/\text{NDF}$ : 2980870055177206835563714029027328.0/13

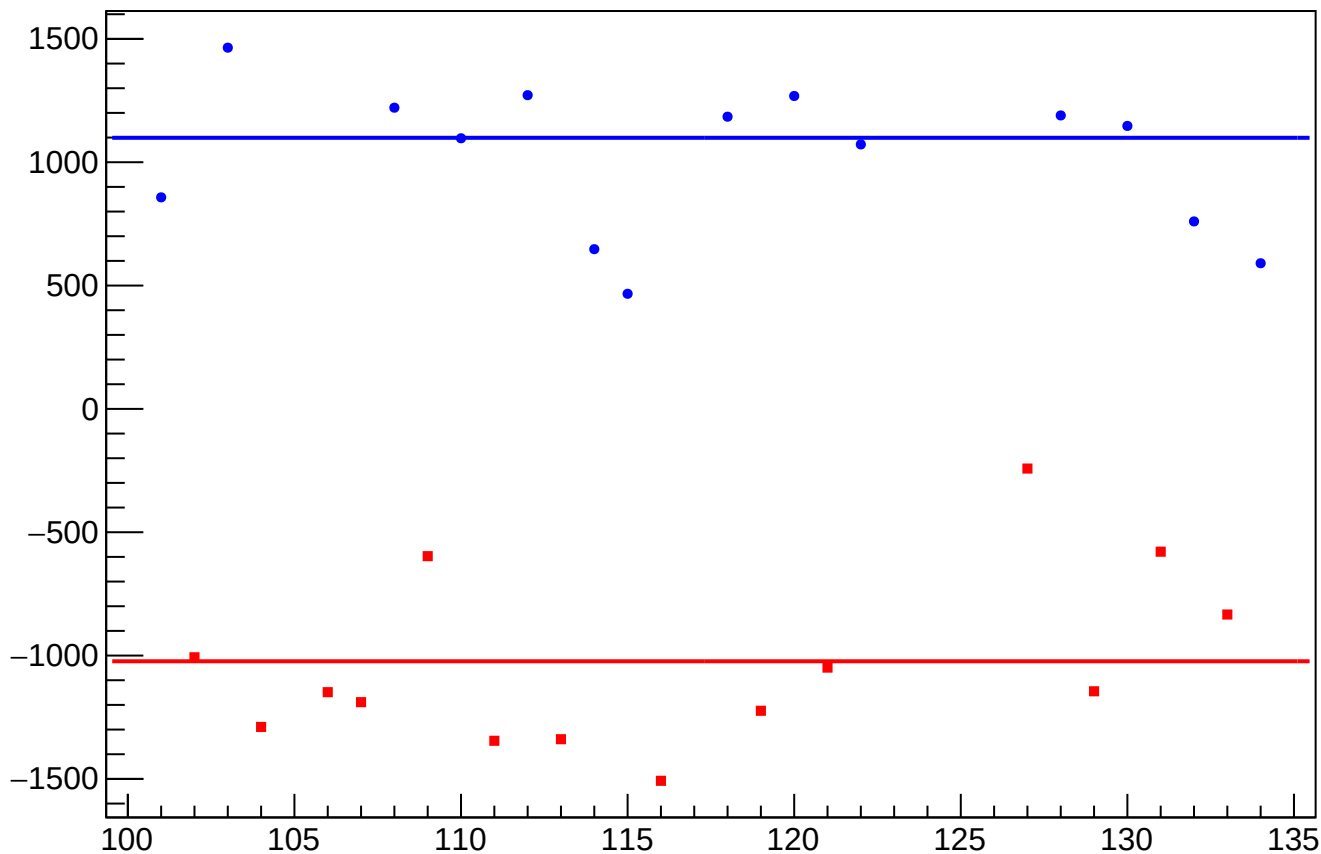
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.006+/-0.000  $\chi^2/\text{NDF}$ : 3375610115973817723743039611994112.0/13

-0.055+/-0.000  $\chi^2/\text{NDF}$ : 1653026725966.0/13

-2.917+/-0.000  $\chi^2/\text{NDF}$ : 2980870055177206835563714029027328.0/13

dit\_4aX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

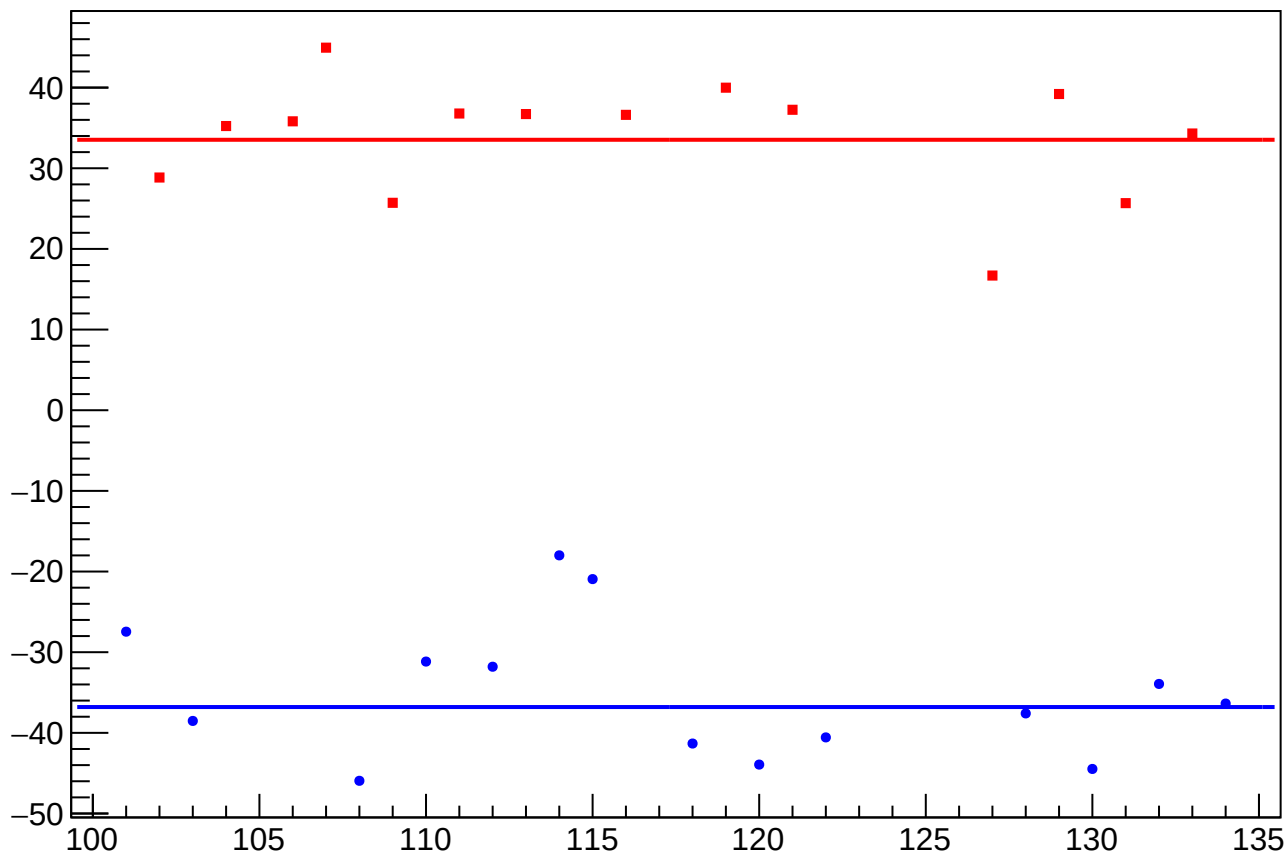
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 3263194144378842

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 676649374296092

# dit\_4eX\_coil3\_mean vs Slug, Sign Corrected



Right In: -36.799+/-0.000  $\chi^2/\text{NDF}$ : 25043520933597289955973314339930112.0/13

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

Right Out: 33.530+/-0.000  $\chi^2/\text{NDF}$ : 29187998256937616083704897605730304.0/13

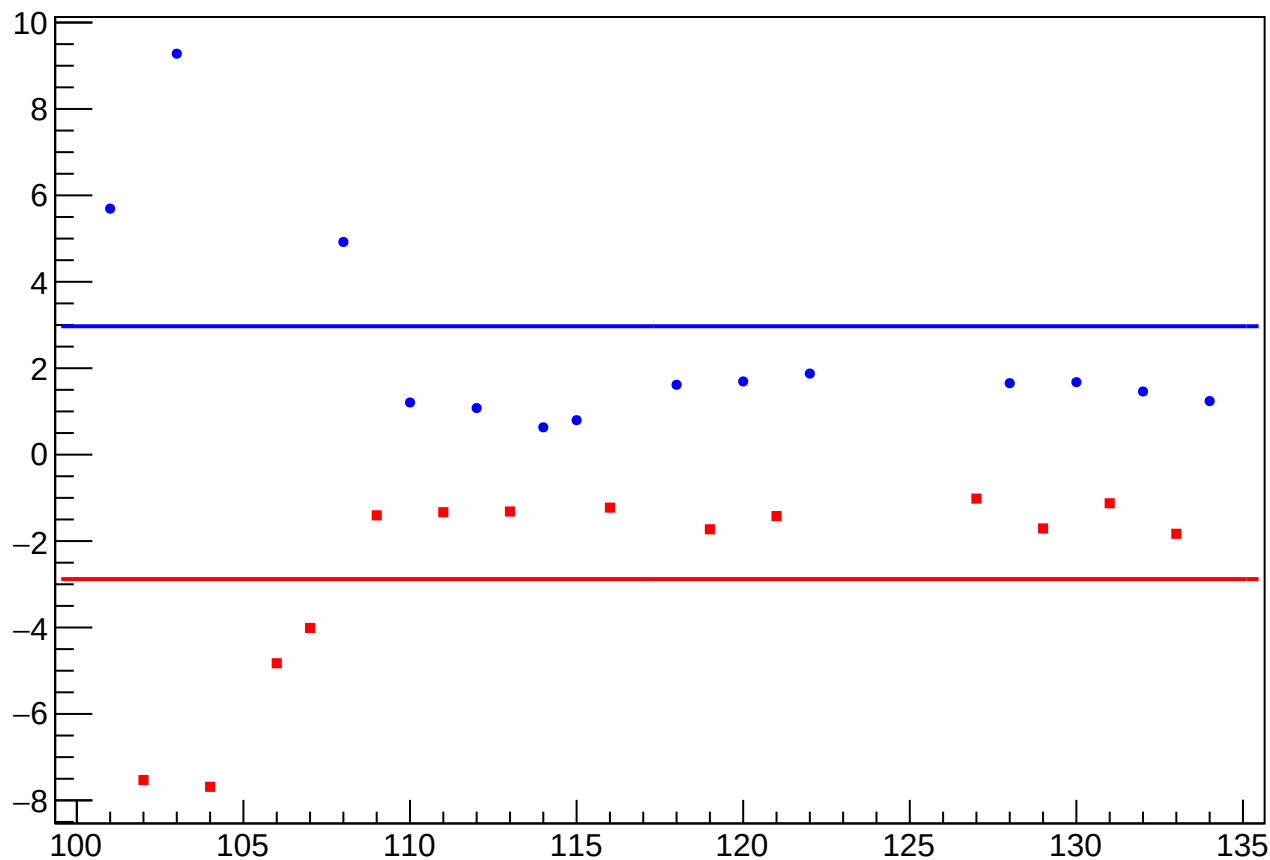
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-36.799+/-0.000  $\chi^2/\text{NDF}$ : 25043520933597289955973314339930112.0/13

-0.453+/-0.000  $\chi^2/\text{NDF}$ : 14882494277056.0/13

33.530+/-0.000  $\chi^2/\text{NDF}$ : 29187998256937616083704897605730304.0/13

# dit\_4eX\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 2.971+/-0.000  $\chi^2/\text{NDF}$ : 3877503061244102609018308043735040.0/13

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

Right Out: -2.879+/-0.000  $\chi^2/\text{NDF}$ : 3519667606223161136543321638830080.0/13

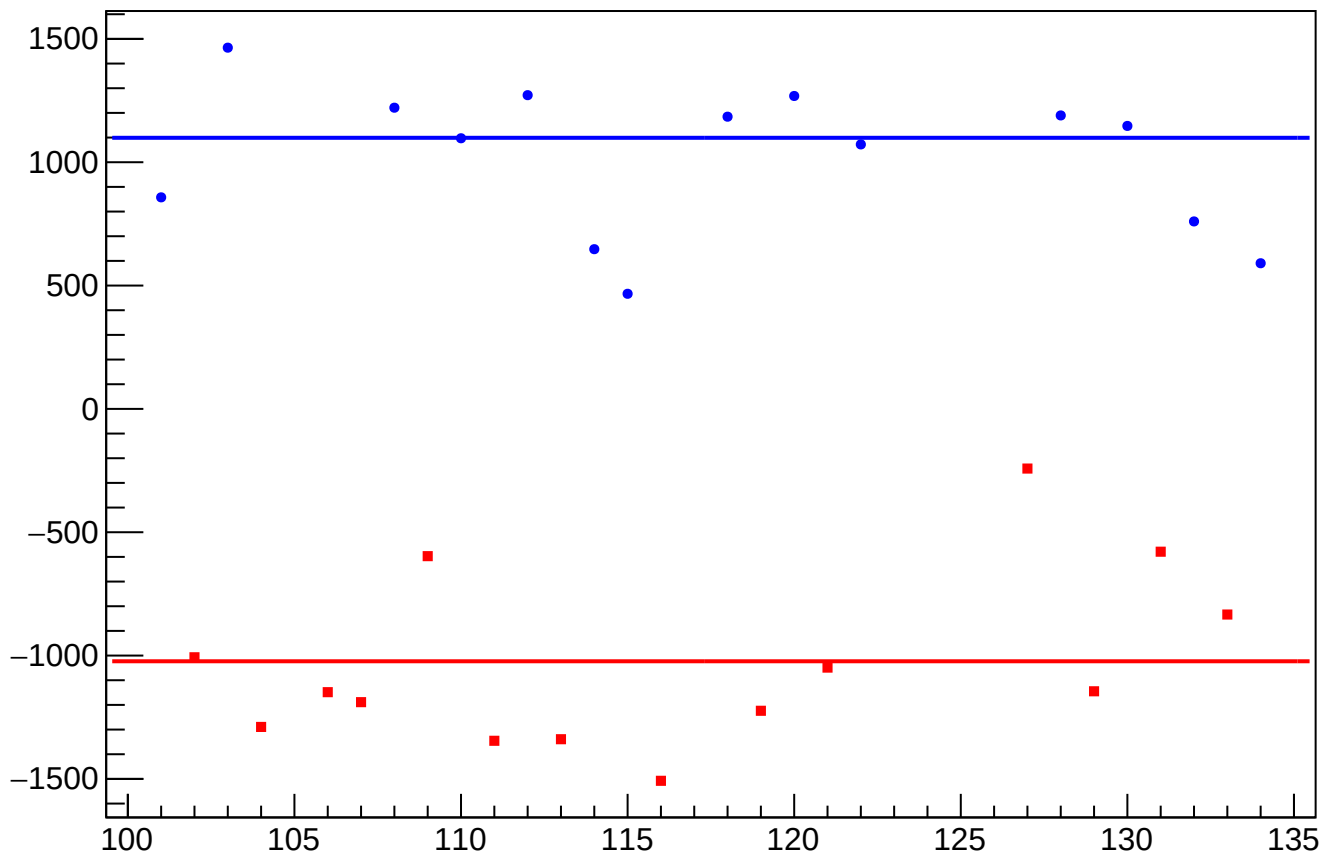
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.971+/-0.000  $\chi^2/\text{NDF}$ : 3877503061244102609018308043735040.0/13

-0.052+/-0.000  $\chi^2/\text{NDF}$ : 1732004700571.0/13

-2.879+/-0.000  $\chi^2/\text{NDF}$ : 3519667606223161136543321638830080.0/13

dit\_4eX\_coil3\_Ndata\_mean vs Slug, Sign Corrected



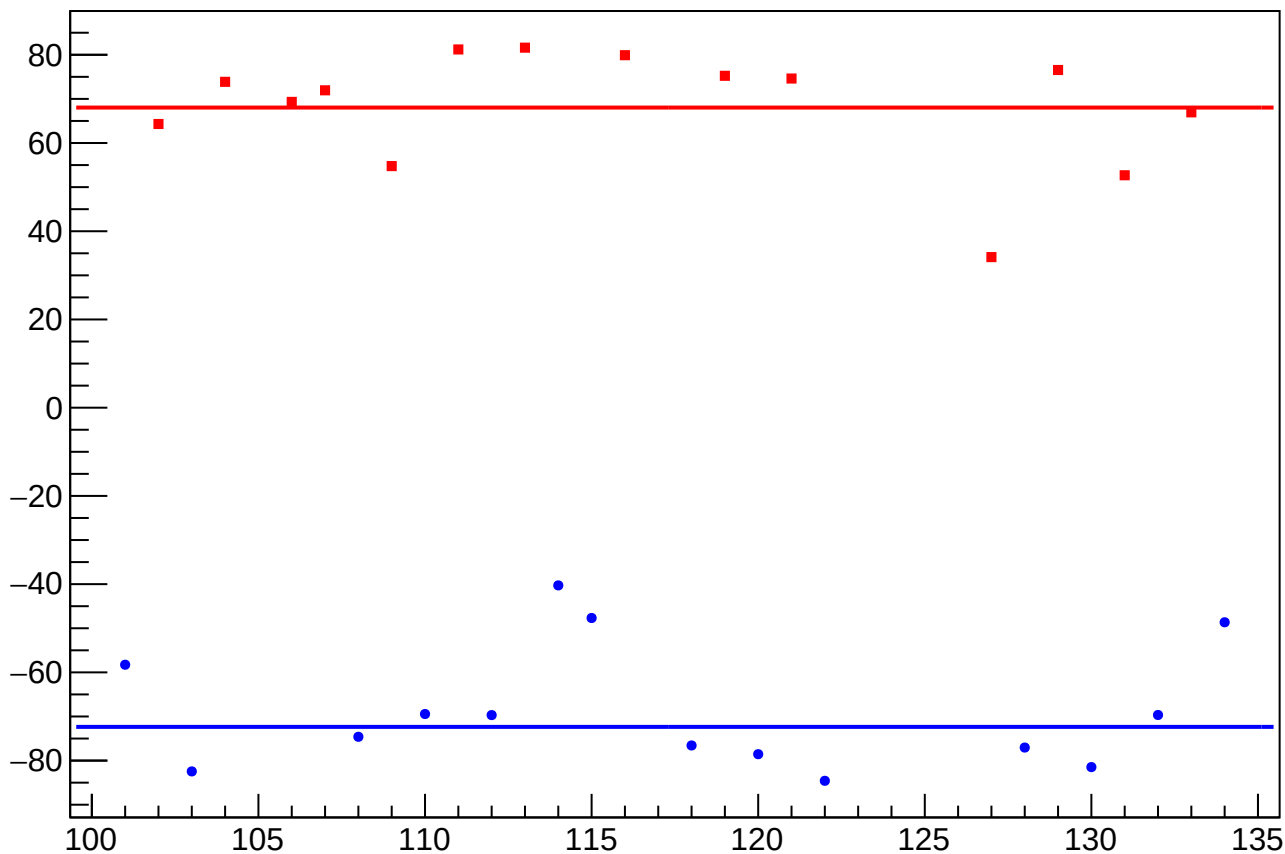
Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

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

# dit\_11X12X\_coil3\_mean vs Slug, Sign Corrected



Right In: -72.356+/-0.000  $\chi^2/\text{NDF}$ : 64302658977847458091779137671790592.0/13

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

Right Out: 68.036+/-0.000  $\chi^2/\text{NDF}$ : 97745246799917930136268956139257856.0/13

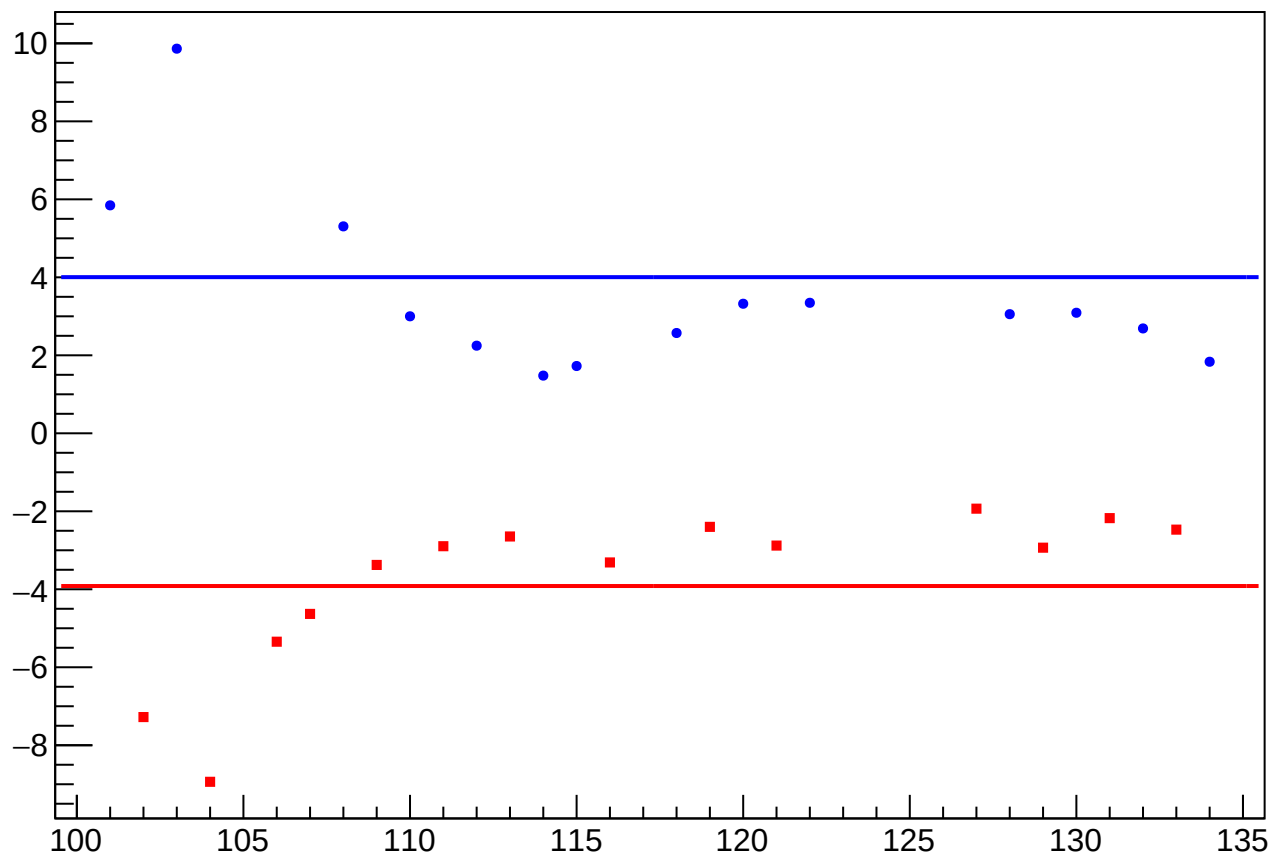
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-72.356+/-0.000  $\chi^2/\text{NDF}$ : 64302658977847458

0.198+/-0.000  $\chi^2/\text{NDF}$ : 58764057365740

68.036+/-0.000  $\chi^2/\text{NDF}$ : 97745246799917930

dit\_11X12X\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 4.004+/-0.000  $\chi^2/\text{NDF}$ : 3020141987841030329139662682062848.0/13

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

Right Out: -3.917+/-0.000  $\chi^2/\text{NDF}$ : 2743365166334175793039422515052544.0/13

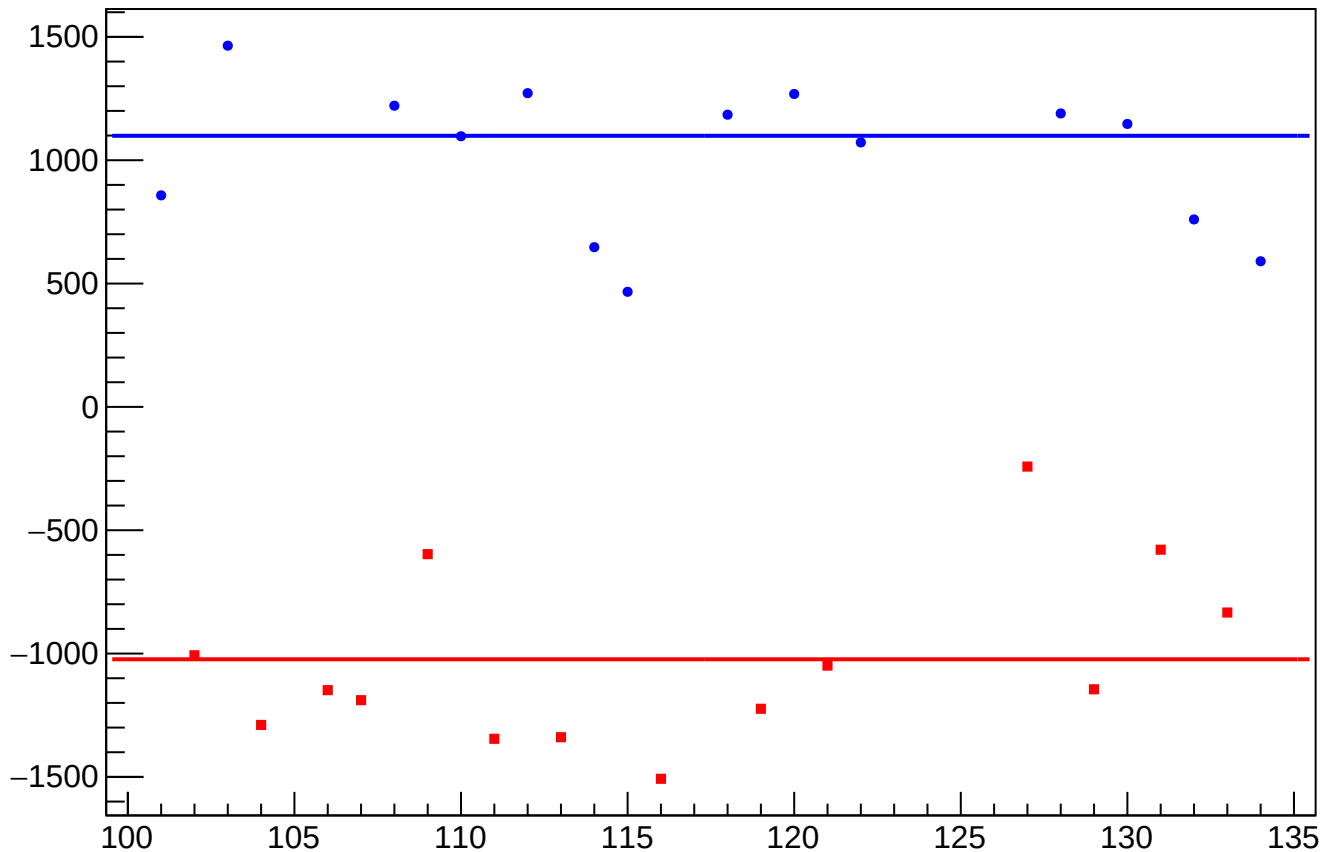
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.004+/-0.000  $\chi^2/\text{NDF}$ : 3020141987841030329139662682062848.0/13

-0.089+/-0.000  $\chi^2/\text{NDF}$ : 2395452760666.0/13

-3.917+/-0.000  $\chi^2/\text{NDF}$ : 2743365166334175793039422515052544.0/13

dit\_11X12X\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

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

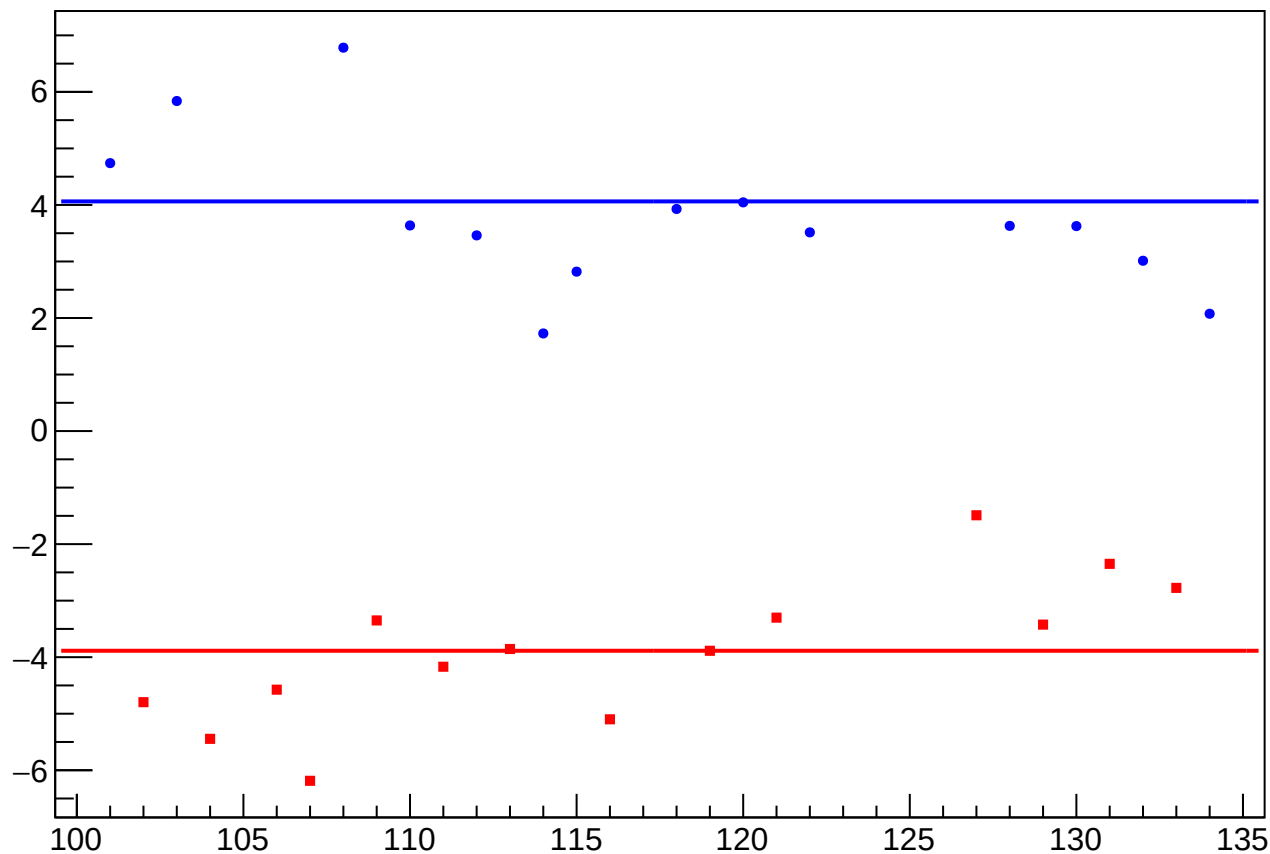
1099.052+/-0.000  $\chi^2/\text{NDF}$ : 3263194144378842

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 676649374296092



# dit\_4aY\_coil3\_mean vs Slug, Sign Corrected



Right In: 4.063+/-0.000  $\chi^2/\text{NDF}$ : 763093373191570477460534564225024.0/13

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

Right Out: -3.886+/-0.000  $\chi^2/\text{NDF}$ : 845885226865173314922632548712448.0/13

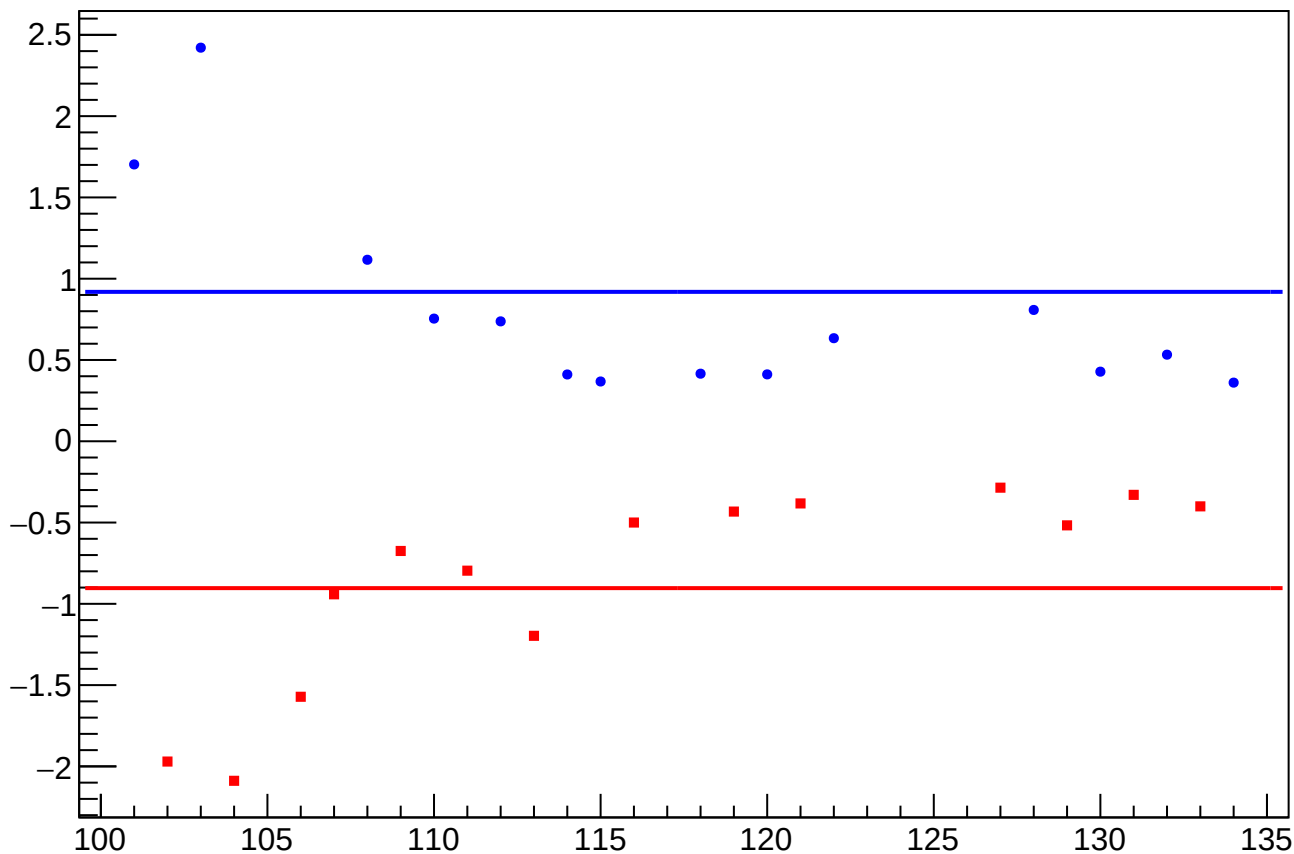
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.063+/-0.000  $\chi^2/\text{NDF}$ : 7630933731915704774

-0.045+/-0.000  $\chi^2/\text{NDF}$ : 1992806525426

-3.886+/-0.000  $\chi^2/\text{NDF}$ : 845885226865173314

# dit\_4aY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.919+/-0.000  $\chi^2/\text{NDF}$ : 231689057110311838212161083015168.0/13

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

Right Out: -0.903+/-0.000  $\chi^2/\text{NDF}$ : 231098133103935926490372864212992.0/13

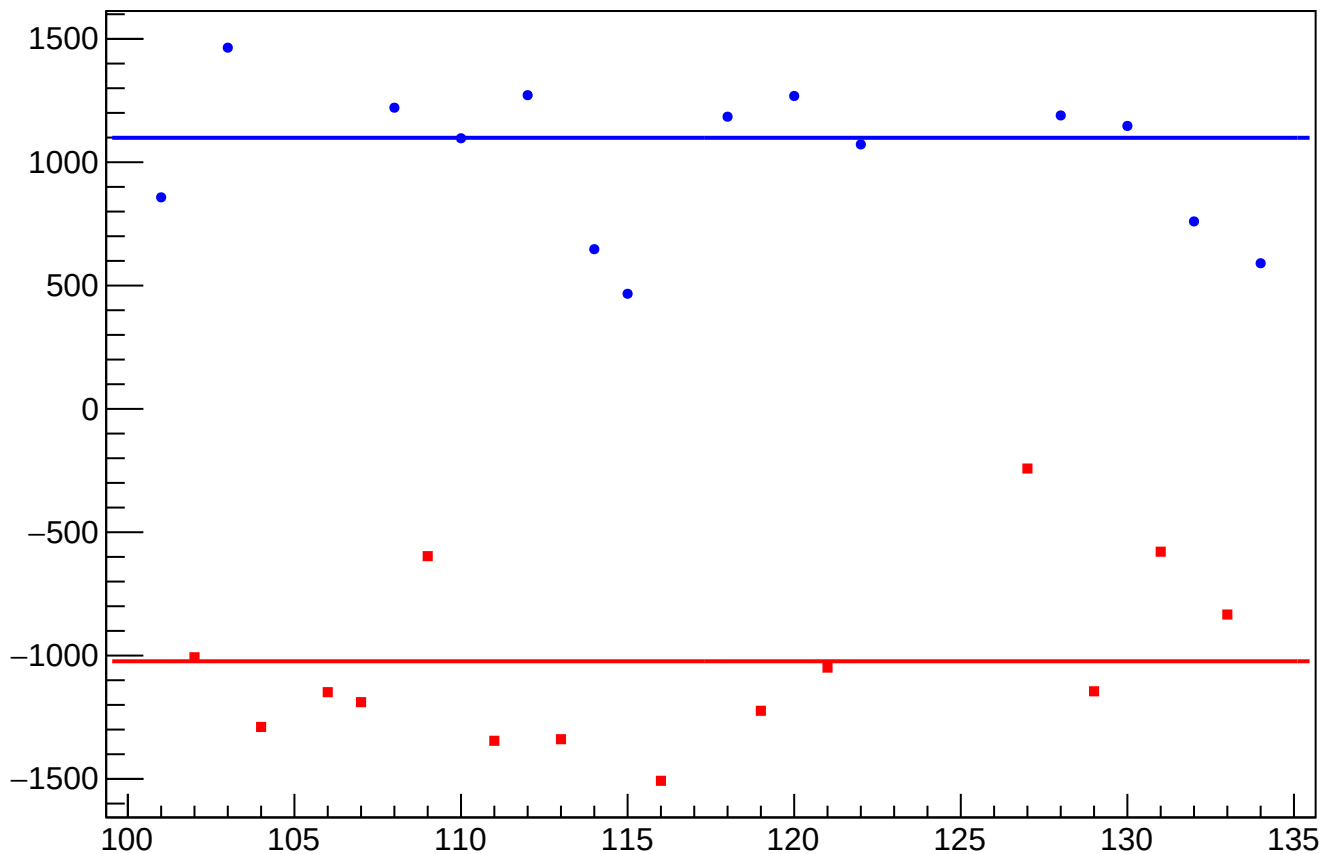
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.919+/-0.000  $\chi^2/\text{NDF}$ : 231689057110311838212161083015168.0/13

-0.023+/-0.000  $\chi^2/\text{NDF}$ : 142577994433212992.0/13

-0.903+/-0.000  $\chi^2/\text{NDF}$ : 231098133103935926490372864212992.0/13

dit\_4aY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

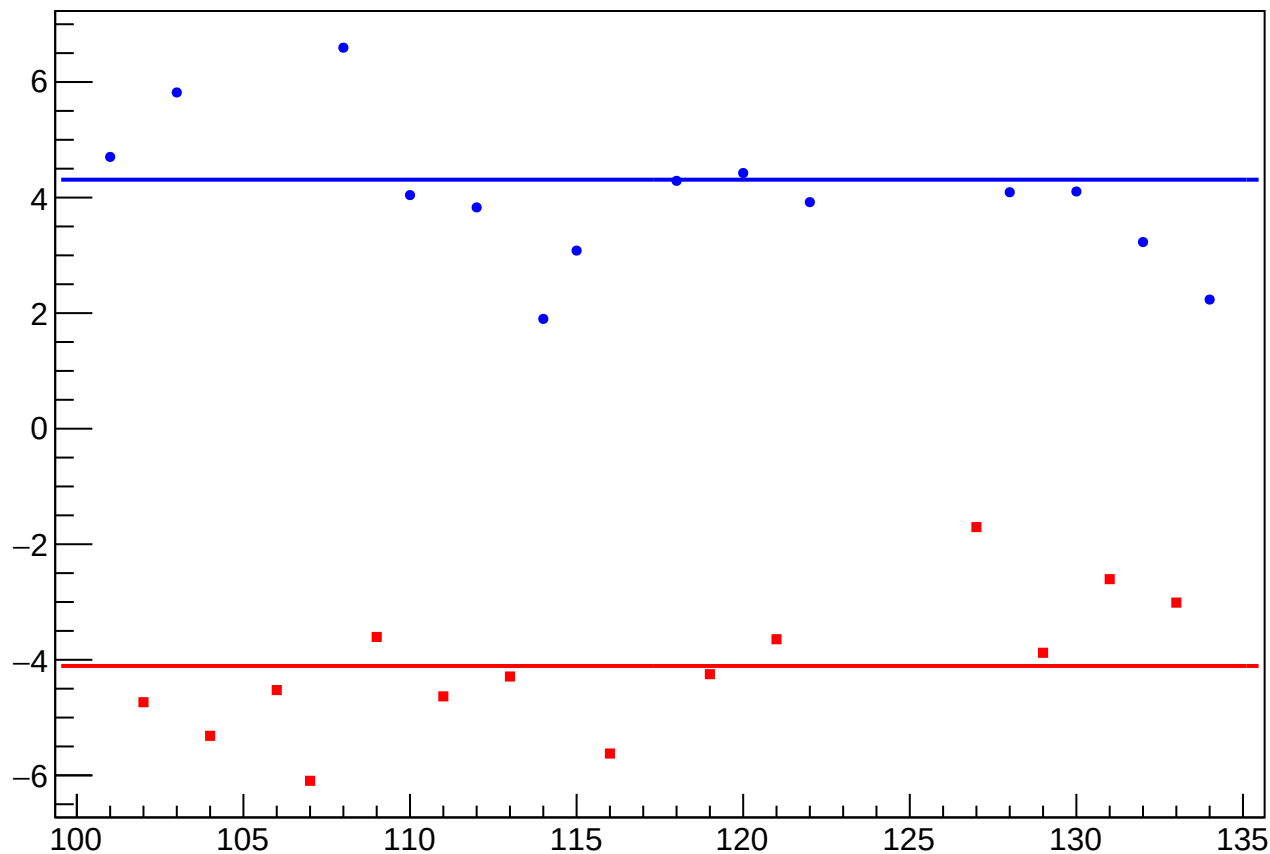
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

dit\_4eY\_coil3\_mean vs Slug, Sign Corrected



Right In: 4.310+/-0.000  $\chi^2/\text{NDF}$ : 592198738524953275856852854243328.0/13

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

Right Out: -4.107+/-0.000  $\chi^2/\text{NDF}$ : 728636255502258327587141472747520.0/13

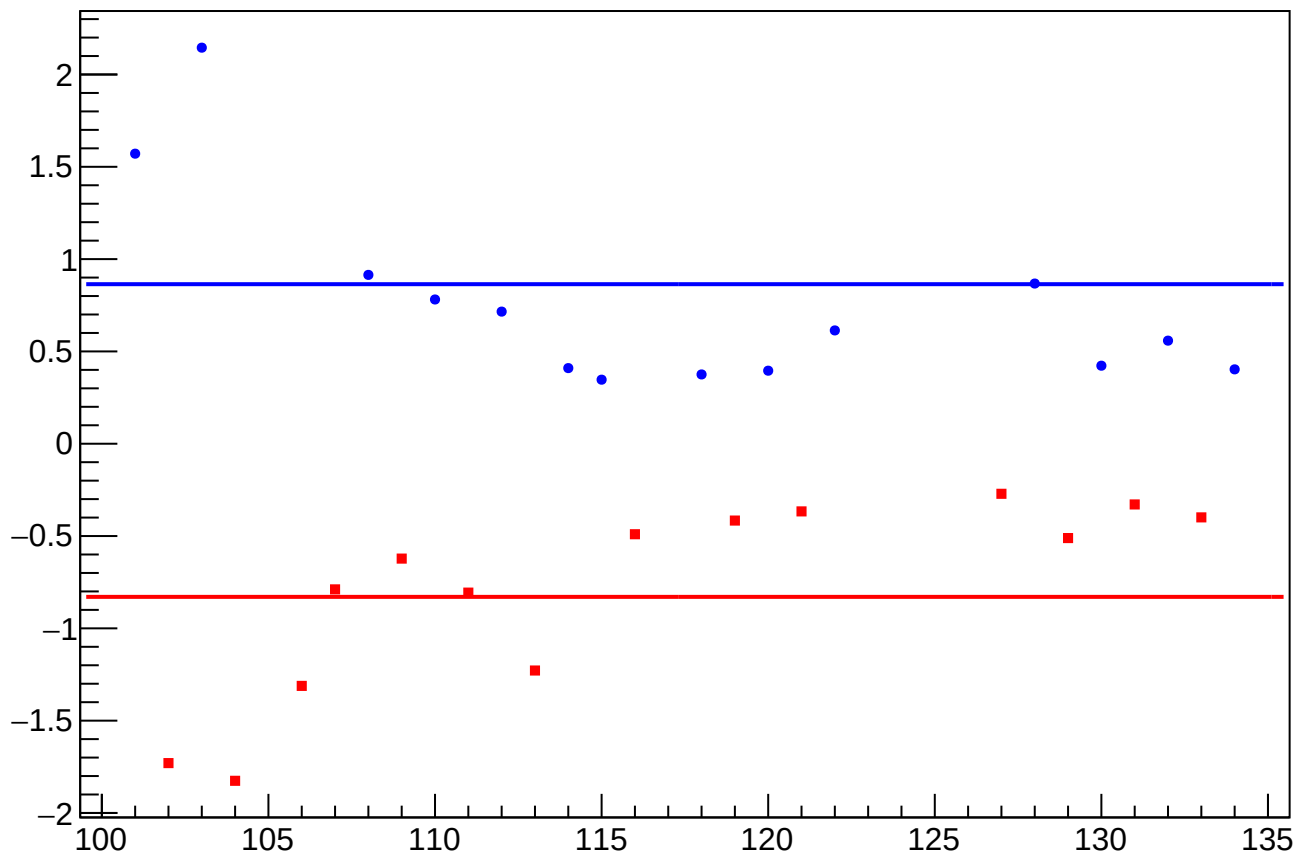
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.310+/-0.000  $\chi^2/\text{NDF}$ : 5921987385249532758

-0.040+/-0.000  $\chi^2/\text{NDF}$ : 2185807549324

-4.107+/-0.000  $\chi^2/\text{NDF}$ : 728636255502258327

dit\_4eY\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 0.864+/-0.000  $\chi^2/\text{NDF}$ : 174677932987840853609400957403136.0/13

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

Right Out: -0.829+/-0.000  $\chi^2/\text{NDF}$ : 169840943782260584034507878825984.0/13

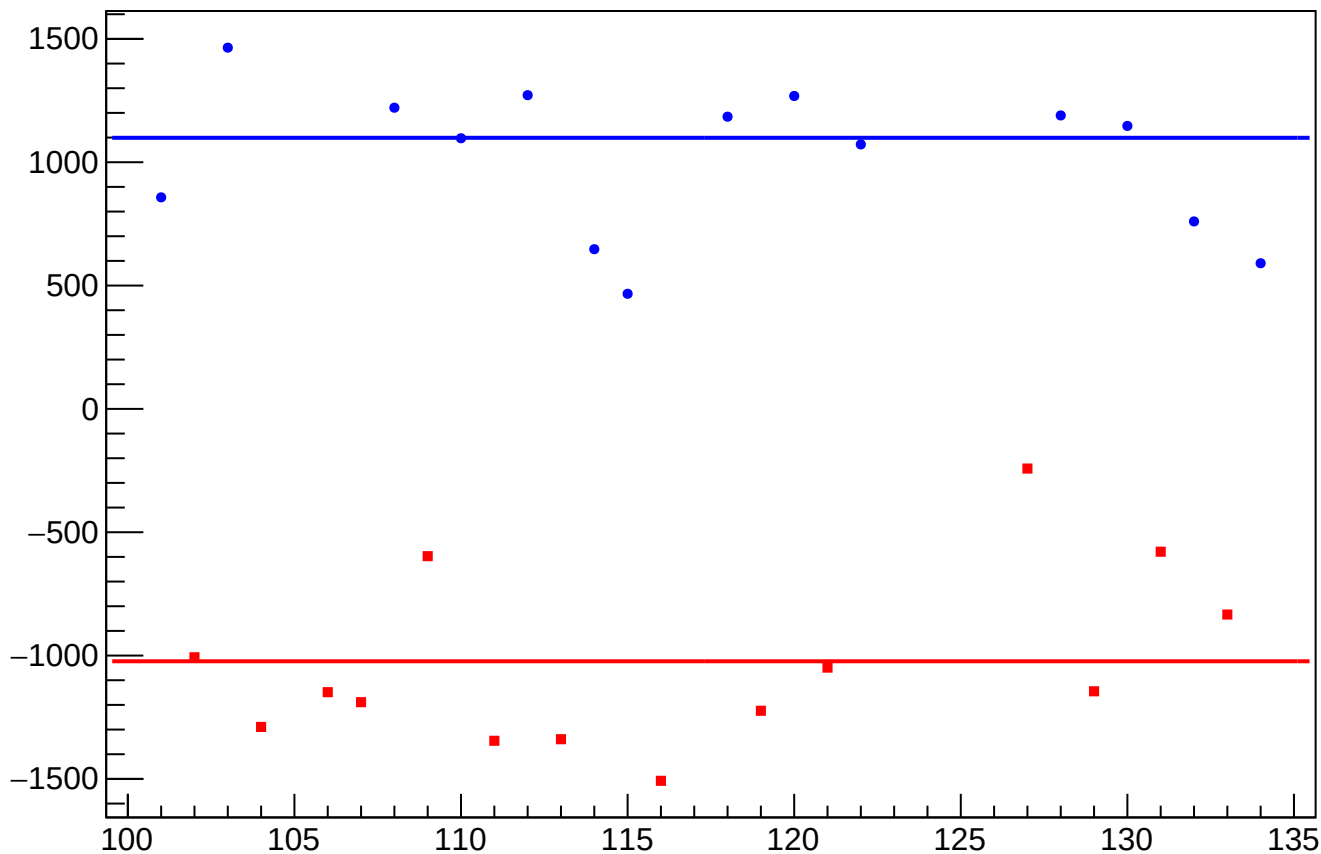
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.864+/-0.000  $\chi^2/\text{NDF}$ : 174677932987840853609400957403136.0/13

-0.011+/-0.000  $\chi^2/\text{NDF}$ : 1176165069568.0/13

-0.829+/-0.000  $\chi^2/\text{NDF}$ : 169840943782260584034507878825984.0/13

dit\_4eY\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

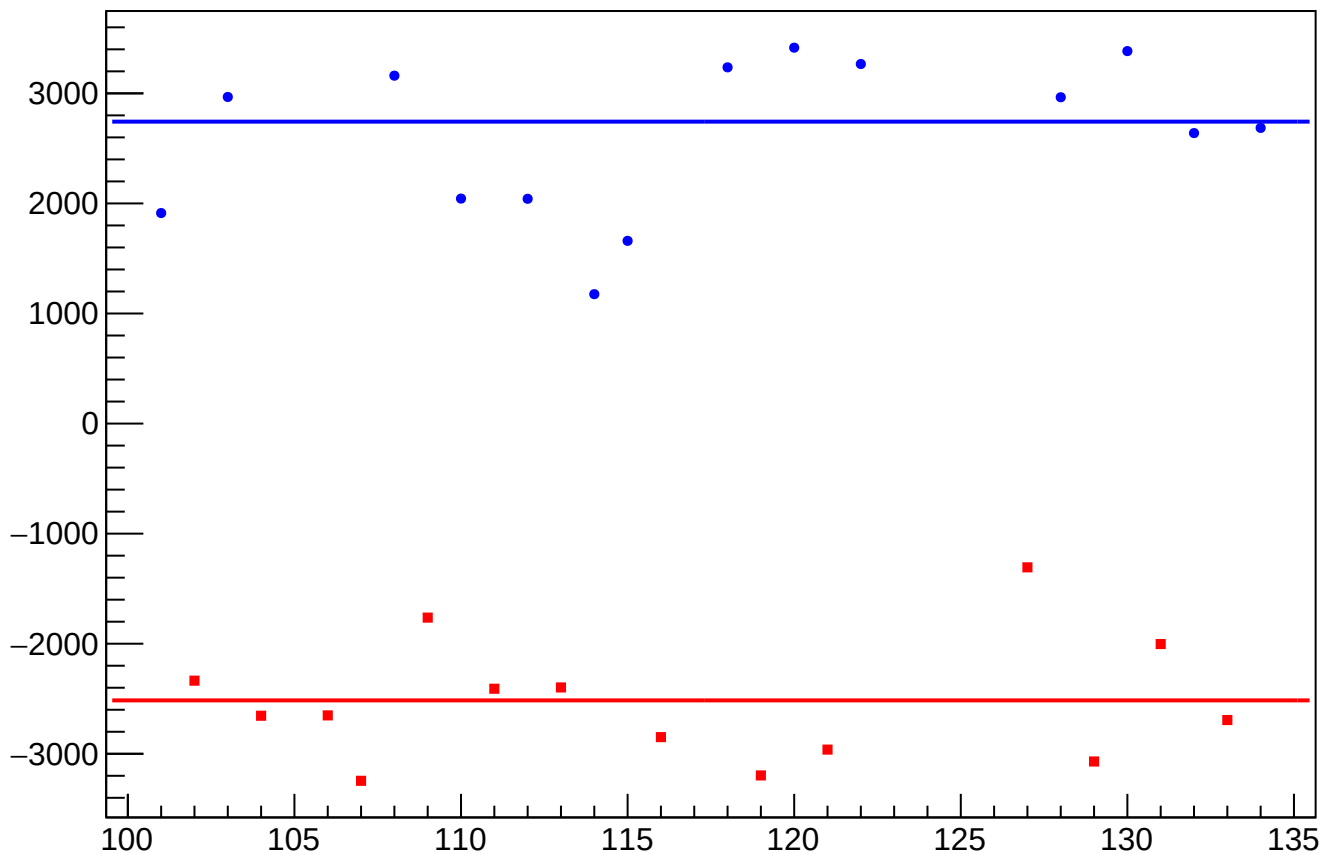
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 3263194144378842

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 676649374296092

dit\_usl\_coil3\_mean vs Slug, Sign Corrected



Right In: 2743.105+/-0.000  $\chi^2/\text{NDF}$ : 200134123411450403188775444651752554496.0/13

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

Right Out: -2514.857+/-0.000  $\chi^2/\text{NDF}$ : 174575395480164312588903014603276943360.0/13

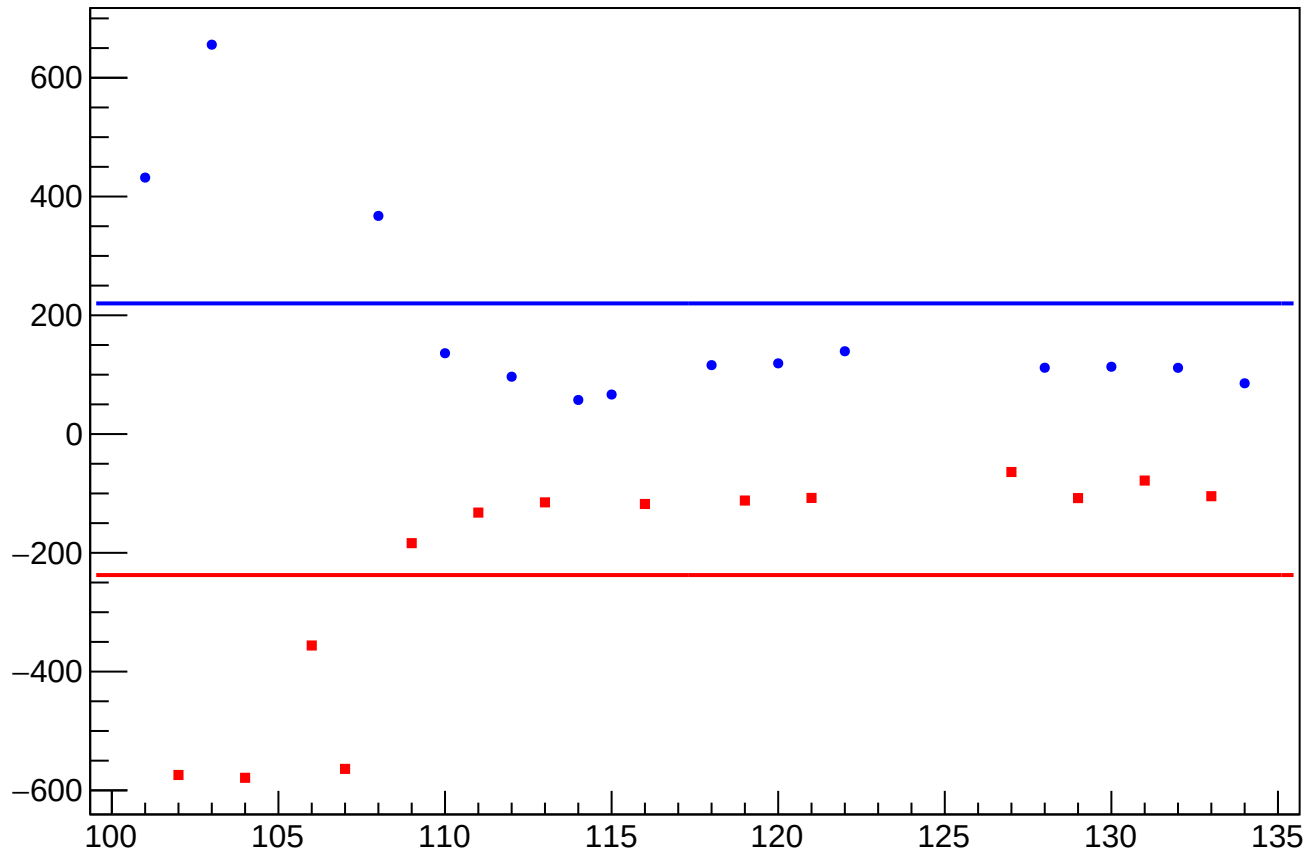
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2743.105+/-0.000  $\chi^2/\text{NDF}$ : 2001341234114504

25.812+/-0.000  $\chi^2/\text{NDF}$ : 8389953813232

-2514.857+/-0.000  $\chi^2/\text{NDF}$ : 174575395480164

dit\_usl\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 220.024+/-0.000  $\chi^2/\text{NDF}$ : 195547309772298872361344053768397778304.0/13

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

Right Out: -237.433+/-0.000  $\chi^2/\text{NDF}$ : 23684529368912820047378661796730634240.0/13

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

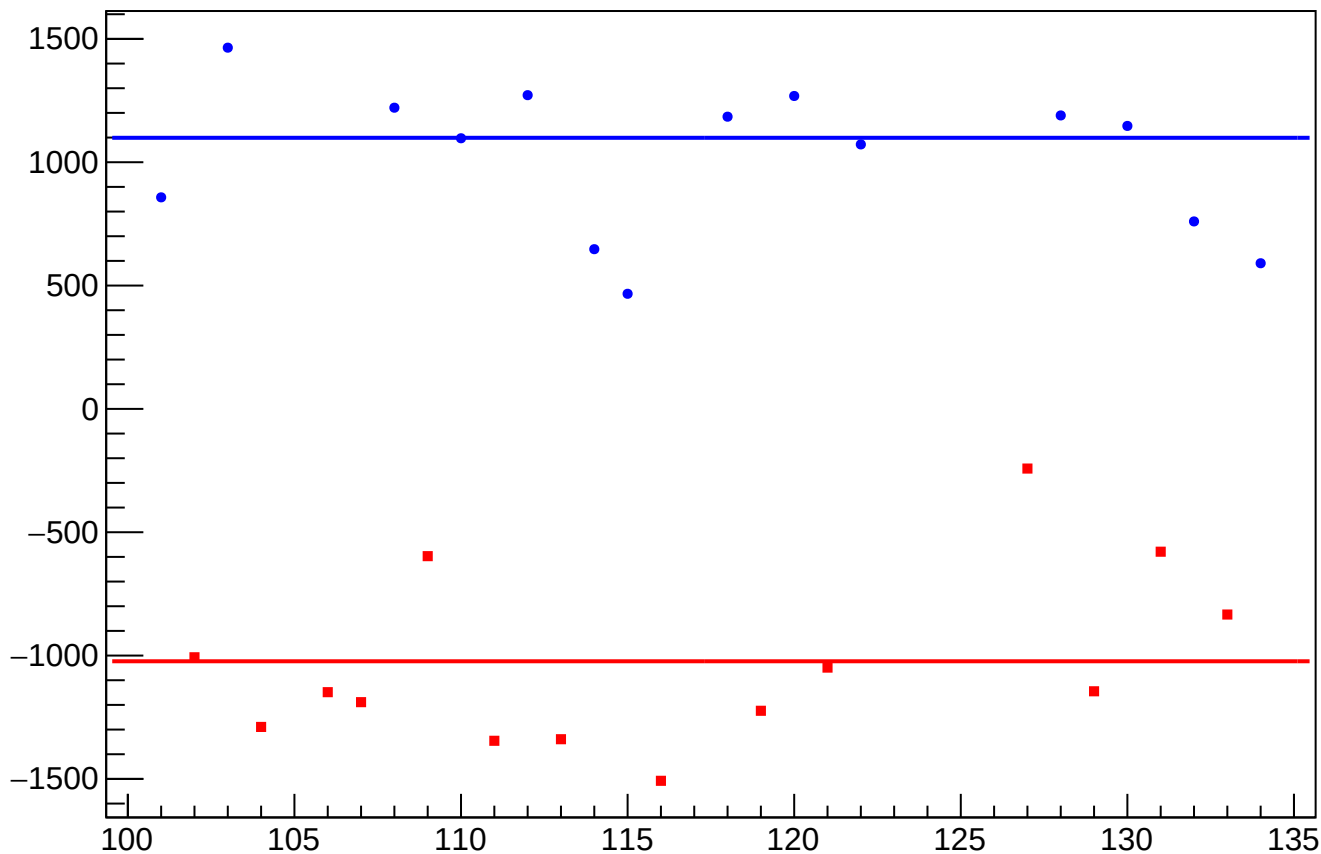
220.024+/-0.000  $\chi^2/\text{NDF}$ : 19554730977229887

-16.388+/-0.000  $\chi^2/\text{NDF}$ : 103910315351

-237.433+/-0.000  $\chi^2/\text{NDF}$ : 2368452936891282



dit\_usl\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

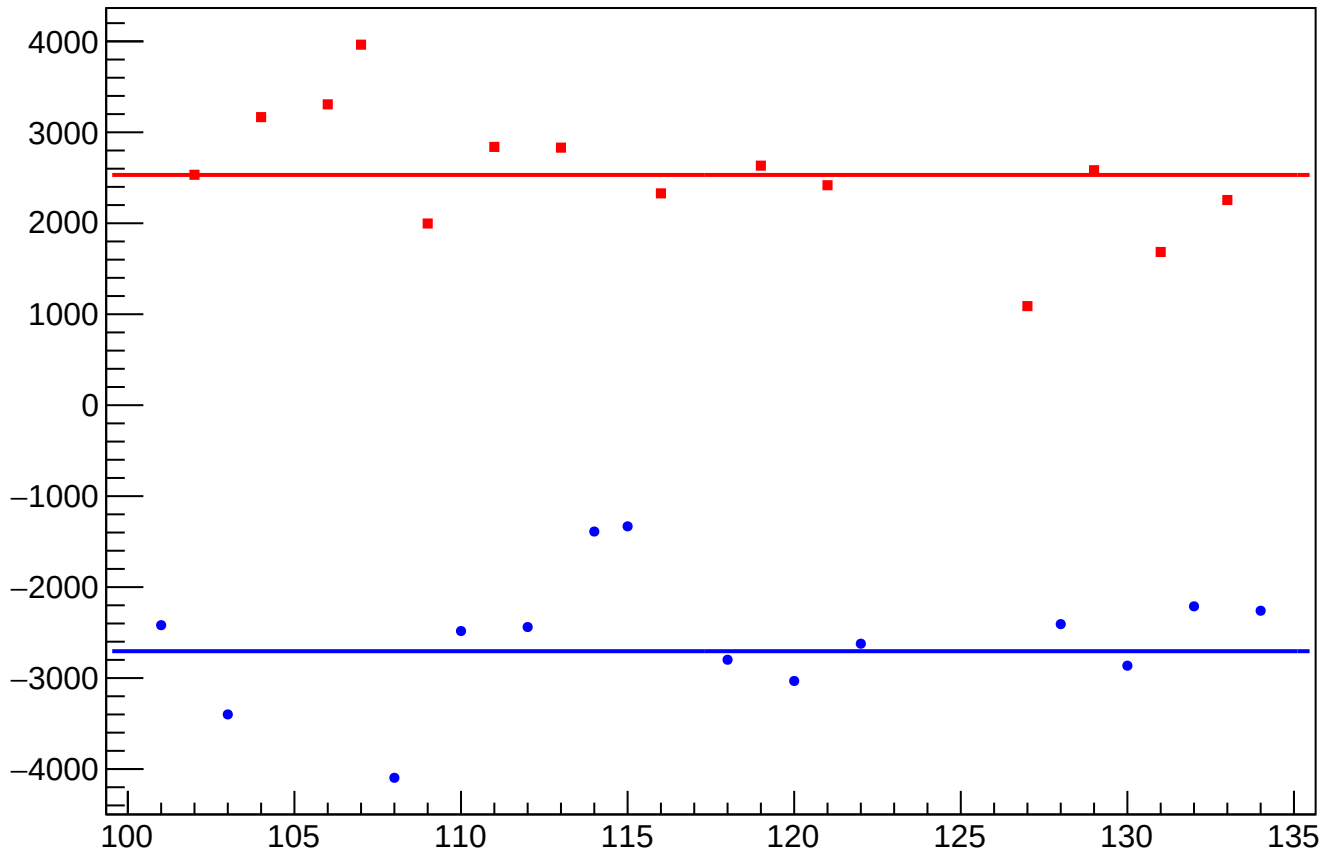
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 3263194144378842

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 676649374296092

# dit\_usr\_coil3\_mean vs Slug, Sign Corrected



Right In: -2704.501+/-0.000  $\chi^2/\text{NDF}$ : 180063616407486394143423858195046596608.0/13

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

-2704.501+/-0.000  $\chi^2/\text{NDF}$ : 180063616407486

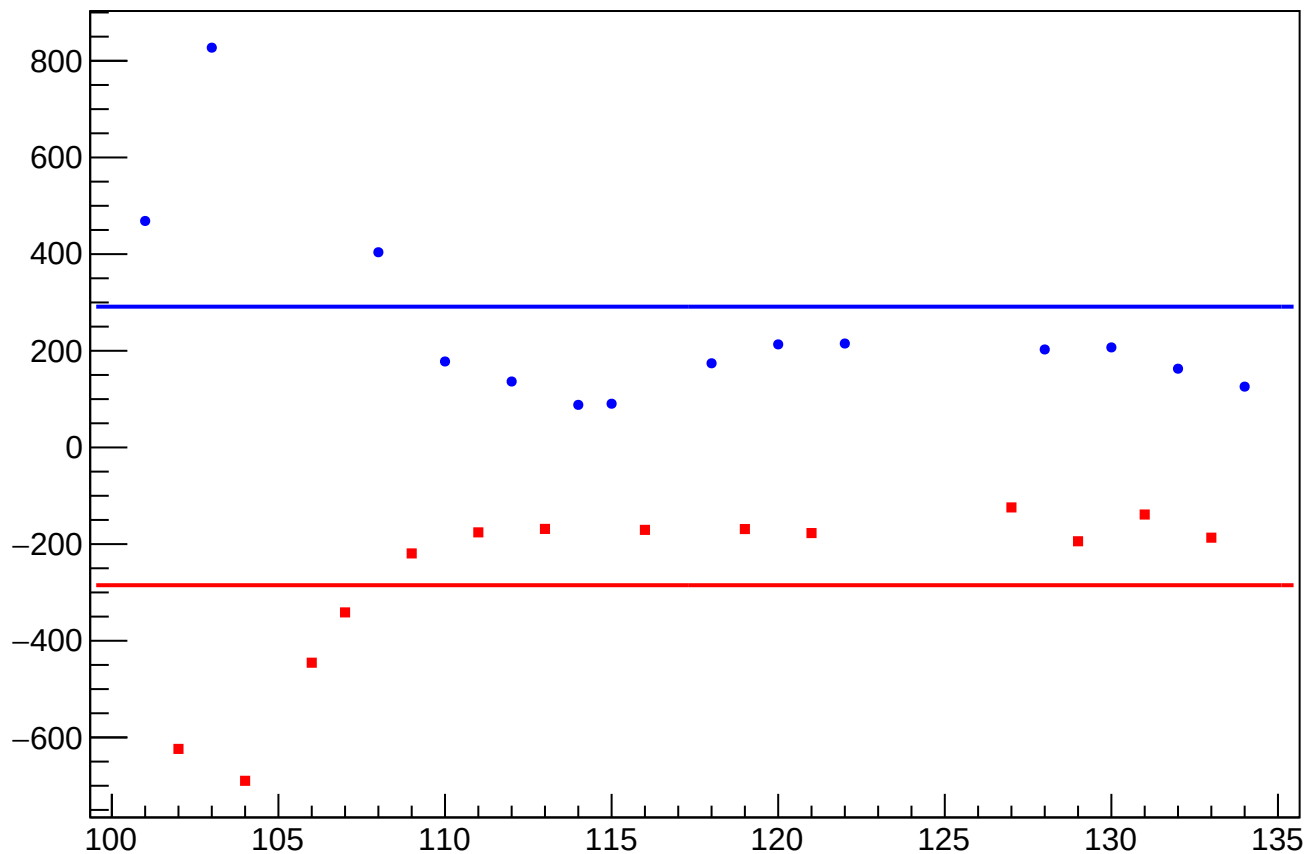
1.366+/-0.000  $\chi^2/\text{NDF}$ : 83861692748790

Right Out: 2531.353+/-0.000  $\chi^2/\text{NDF}$ : 258122070079458137131679357783790059520.0/13

2531.353+/-0.000  $\chi^2/\text{NDF}$ : 2581220700794581

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

dit\_usr\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 291.289+/-0.000  $\chi^2/\text{NDF}$ : 25107916576696108494168202010419003392.0/13

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

Right Out: -285.050+/-0.000  $\chi^2/\text{NDF}$ : 21474972577712077110035828533111029760.0/13

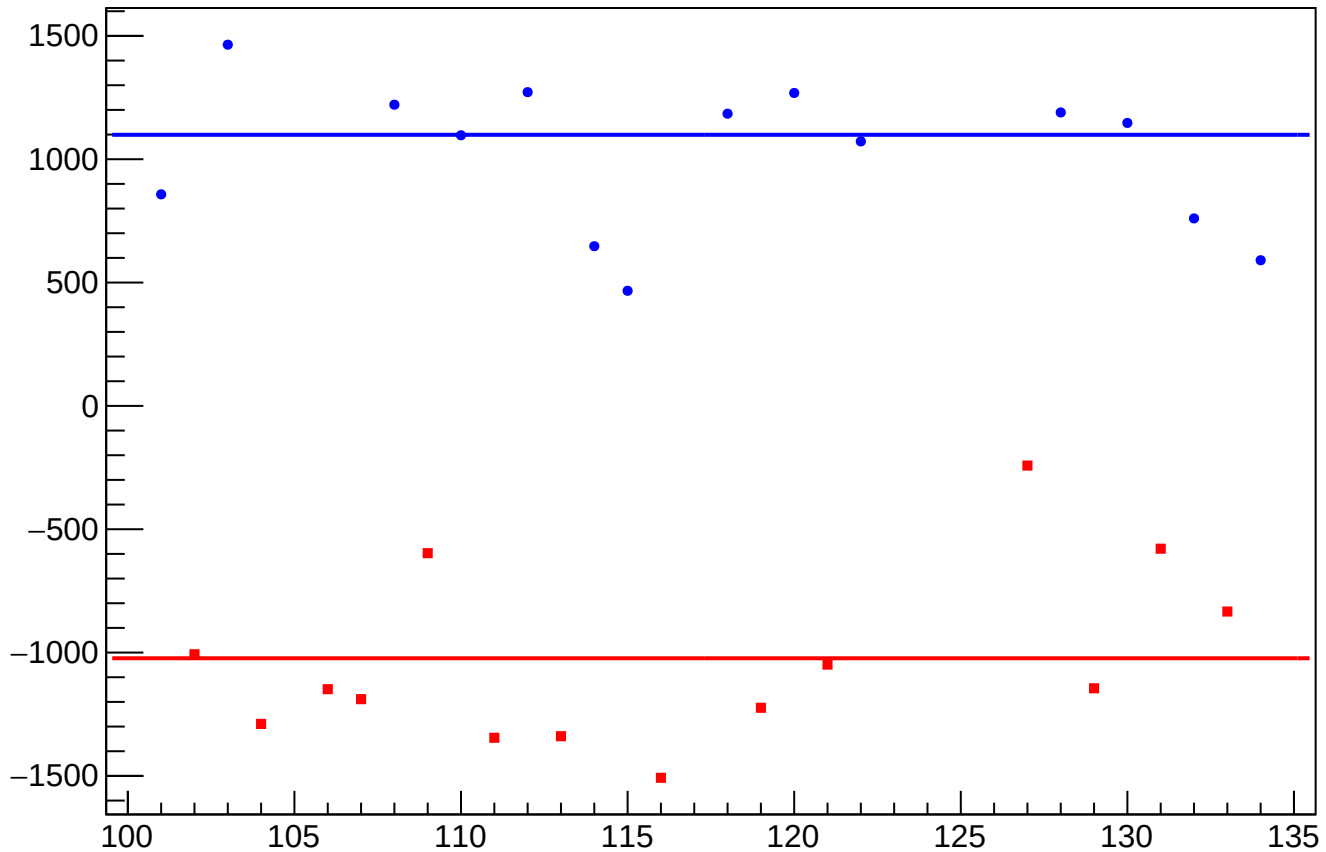
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

291.289+/-0.000  $\chi^2/\text{NDF}$ : 25107916576696108494168202010419003392.0/13

-6.561+/-0.000  $\chi^2/\text{NDF}$ : 14288535281575

-285.050+/-0.000  $\chi^2/\text{NDF}$ : 21474972577712077110035828533111029760.0/13

dit\_usr\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

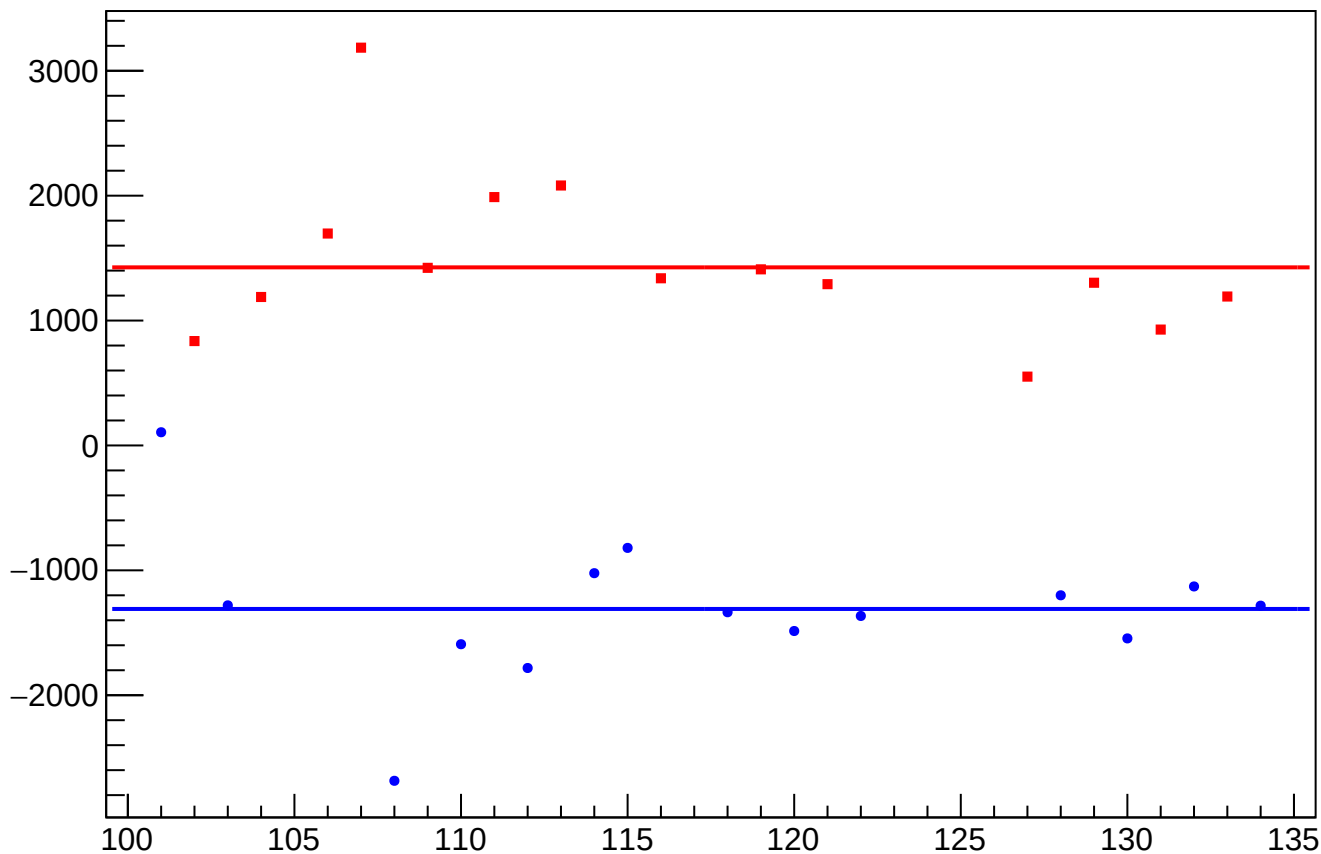
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 3263194144378842

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 676649374296092

# dit\_atl1\_coil3\_mean vs Slug, Sign Corrected



Right In: -1309.246+/-0.000  $\chi^2/\text{NDF}$ : 214104868194298963227945460049578557440.0/13

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

Right Out: 1425.995+/-0.000  $\chi^2/\text{NDF}$ : 216694740260531138557264238986097852416.0/13

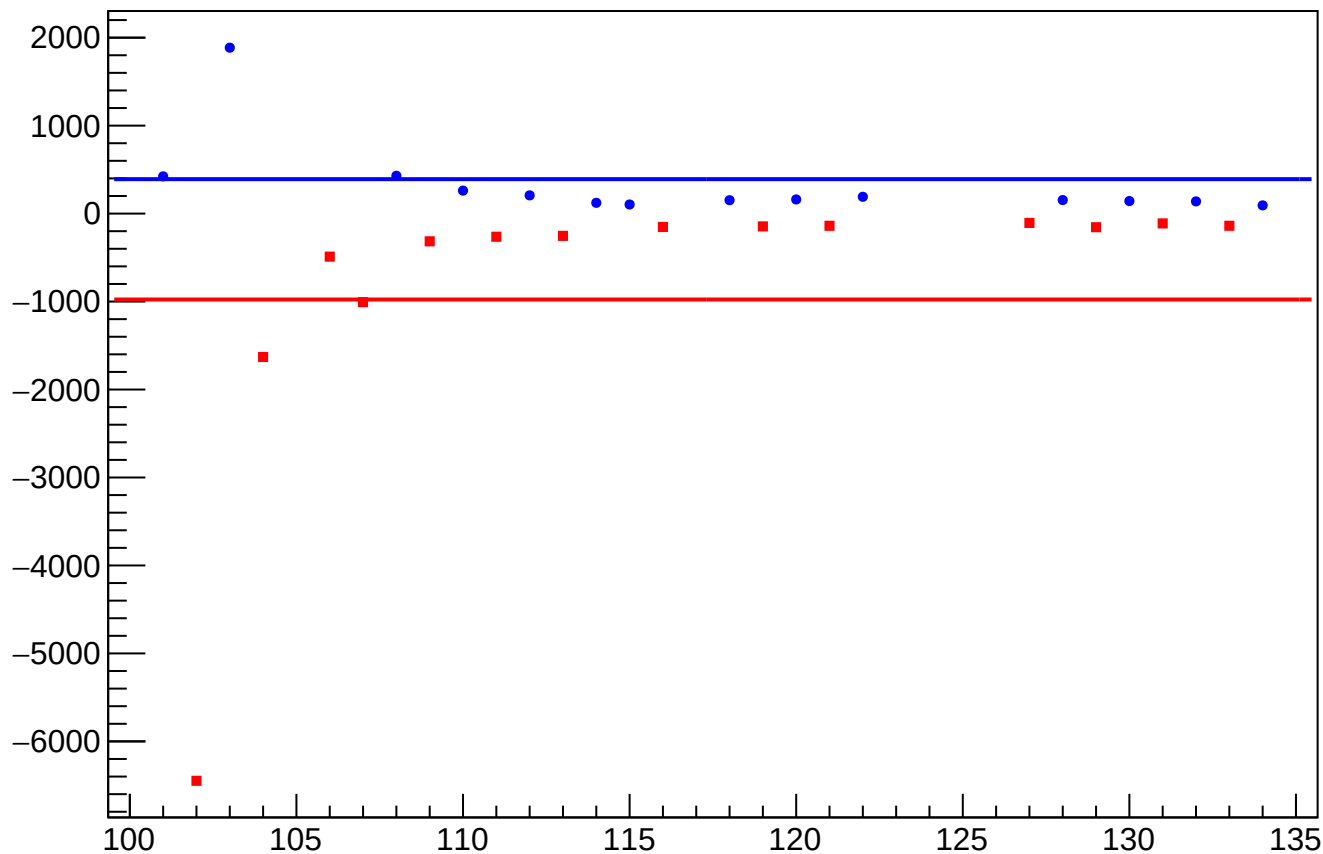
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1309.246+/-0.000  $\chi^2/\text{NDF}$ : 214104868194298

104.315+/-0.000  $\chi^2/\text{NDF}$ : 259986661349

1425.995+/-0.000  $\chi^2/\text{NDF}$ : 2166947402605311

dit\_atl1\_coil3\_err\_mean vs Slug, Sign Corrected



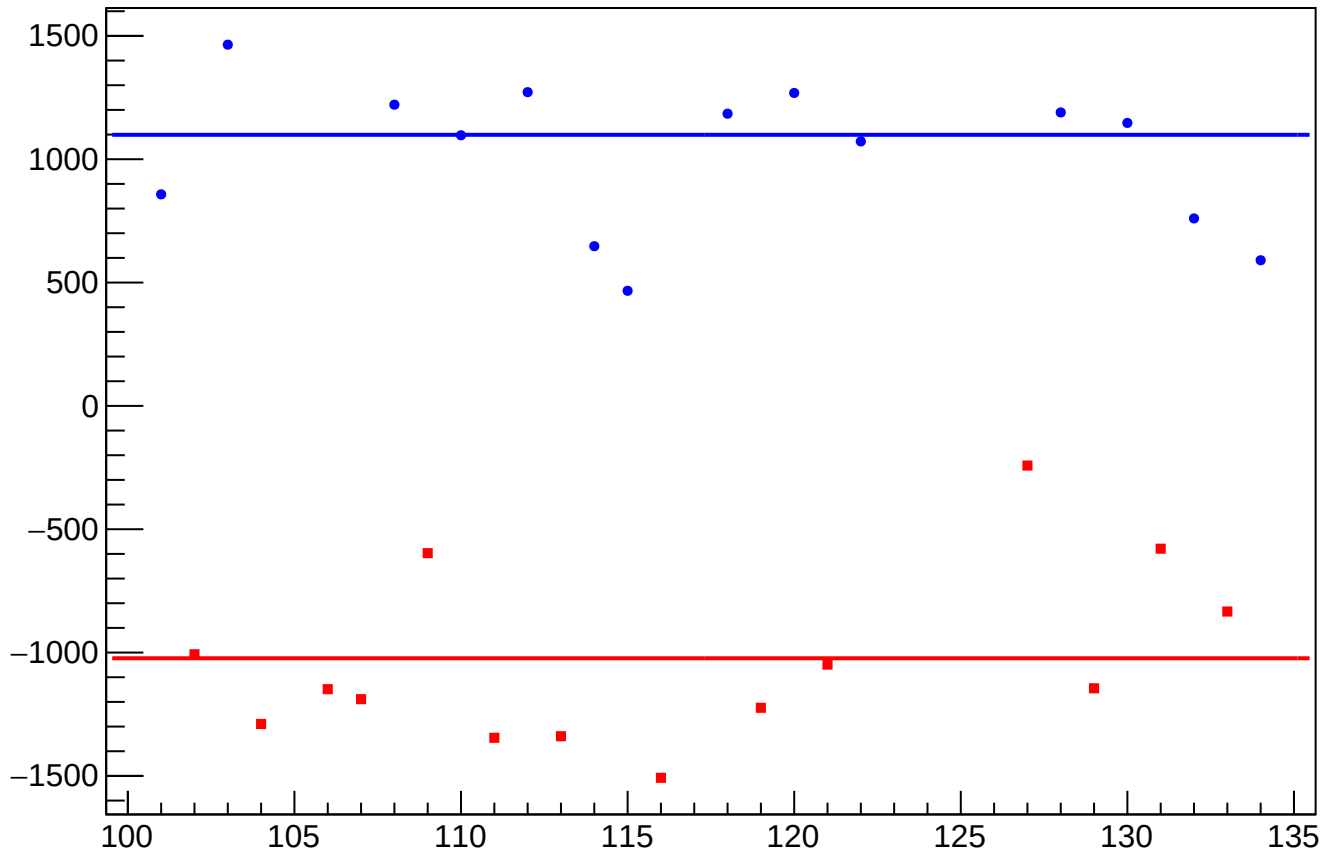
Right In: 391.444+/-0.000  $\chi^2/\text{NDF}$ : 153317349267912245798525578924884230144.0/13

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

Right Out: -976.641+/-0.000  $\chi^2/\text{NDF}$ : 2034917422311308475619659035703917936640.0/13

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

dit\_atl1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

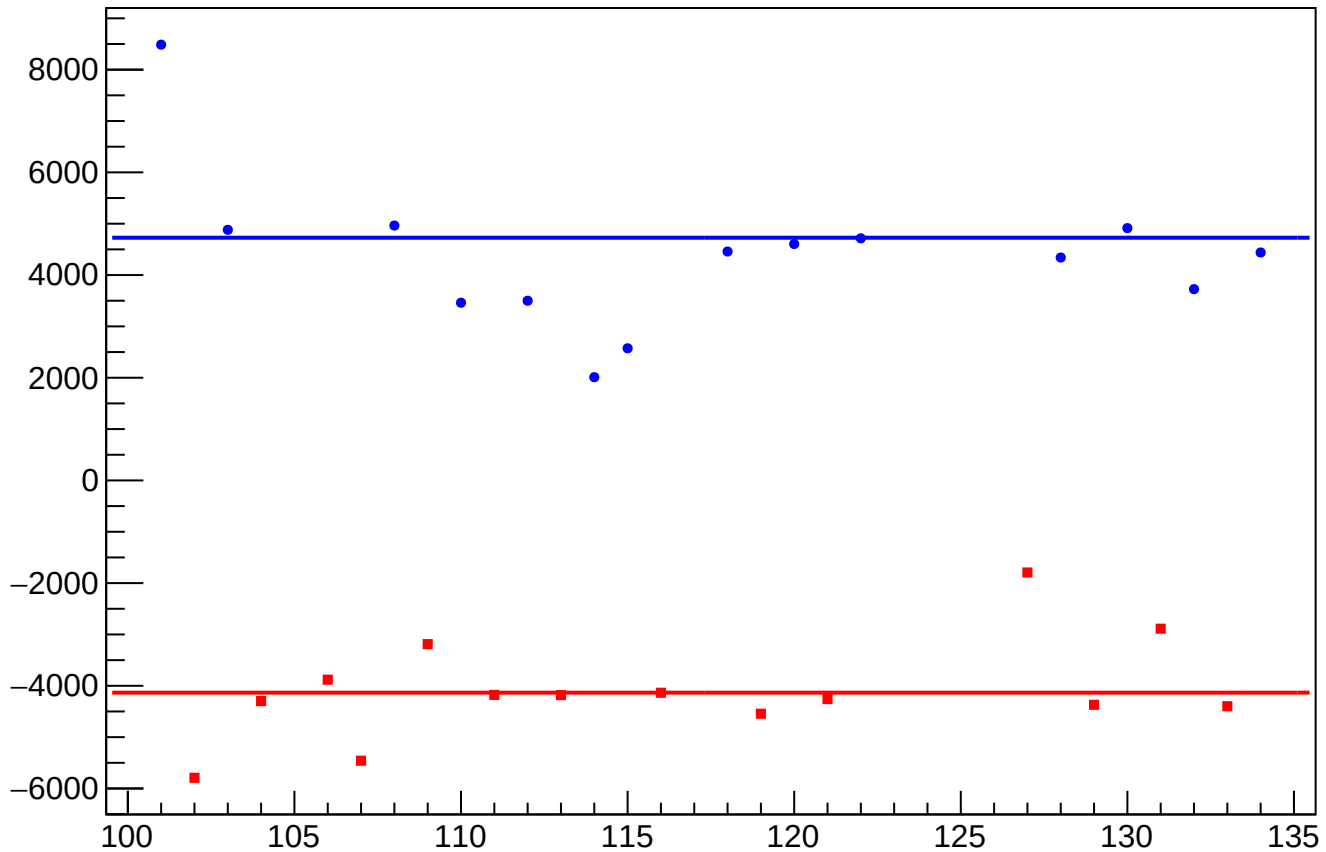
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

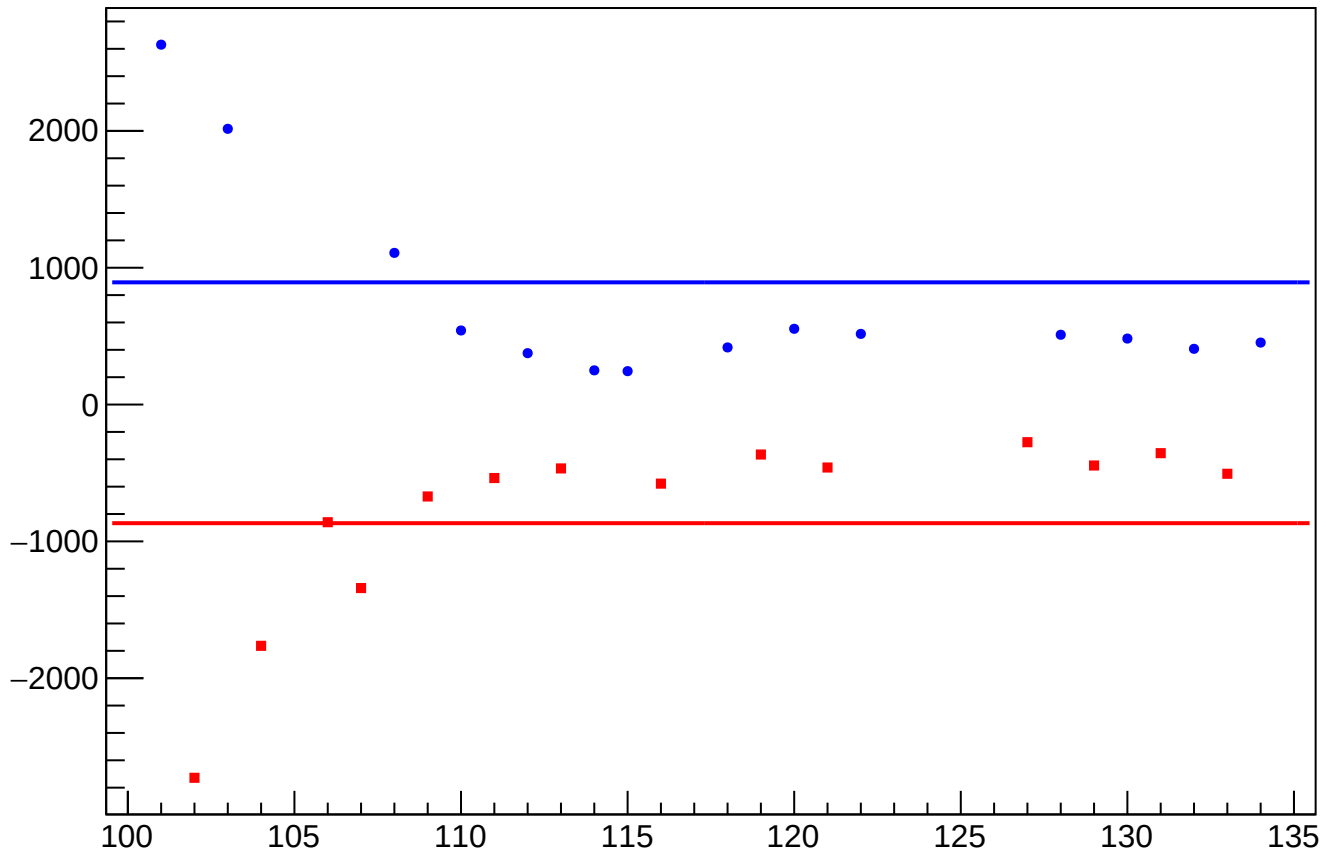
# dit\_atl2\_coil3\_mean vs Slug, Sign Corrected



Right In: 4727.155+/-0.000  $\chi^2/\text{NDF}$ : 1169275527855393446463047293412401217536.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -4133.427+/-0.000  $\chi^2/\text{NDF}$ : 581062710239935169565518751452041838592.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_atl2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 893.188+/-0.000  $\chi^2/\text{NDF}$ : 333833818181643726361372901282760622080.0/13

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

Right Out: -866.992+/-0.000  $\chi^2/\text{NDF}$ : 323834862016447892418373508441533579264.0/13

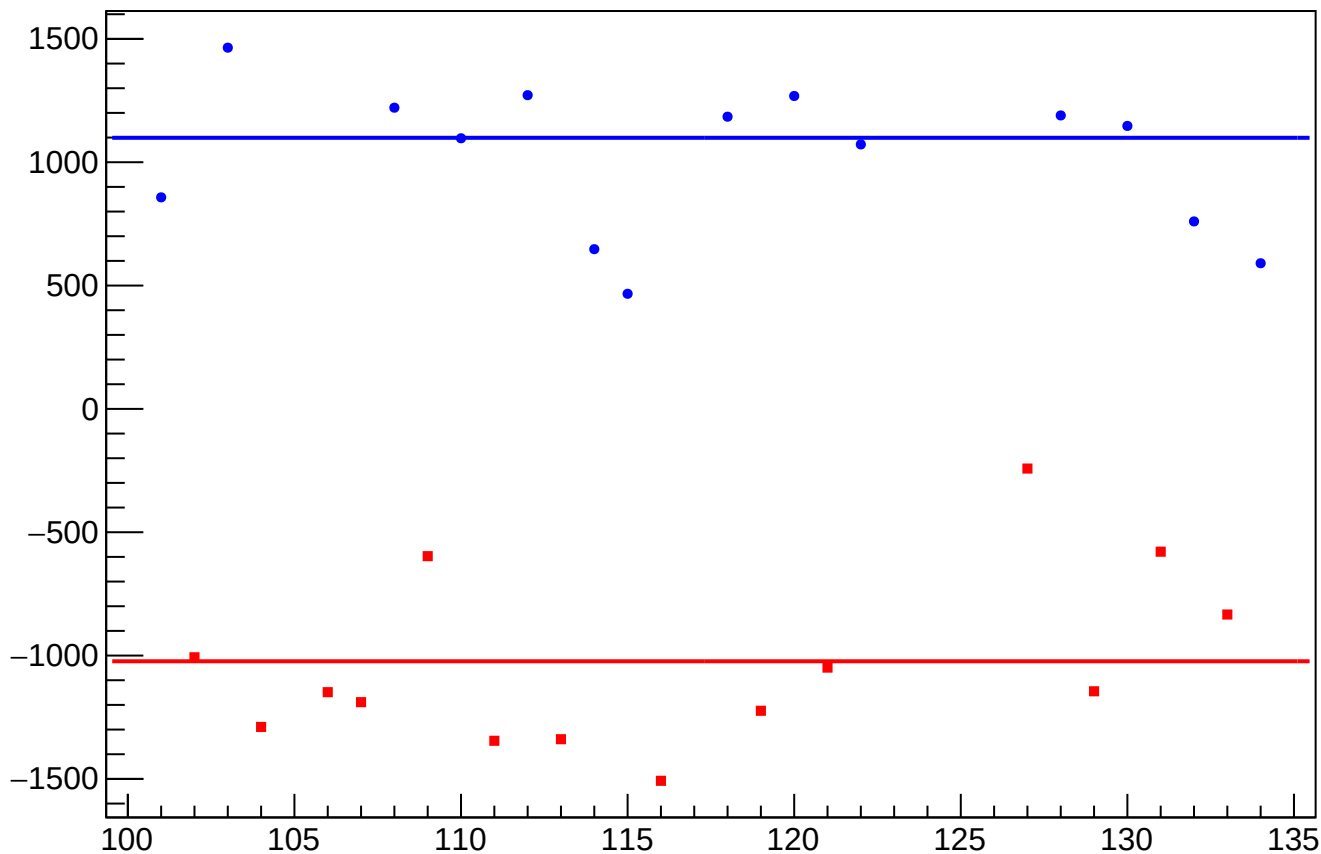
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

893.188+/-0.000  $\chi^2/\text{NDF}$ : 333833818181643726361372901282760622080.0/13

-16.466+/-0.000  $\chi^2/\text{NDF}$ : 15559170937264.0/13

-866.992+/-0.000  $\chi^2/\text{NDF}$ : 323834862016447892418373508441533579264.0/13

dit\_atl2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

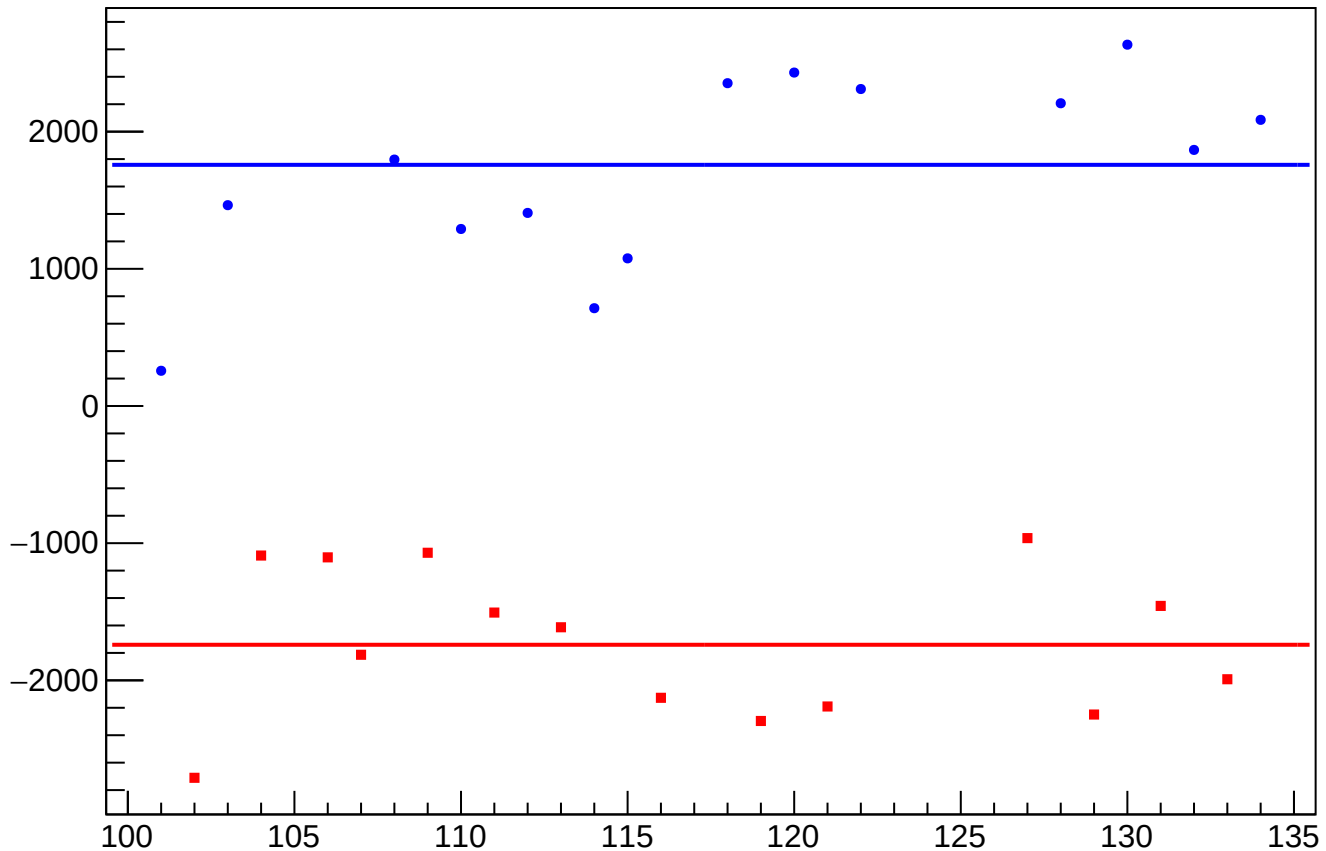
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

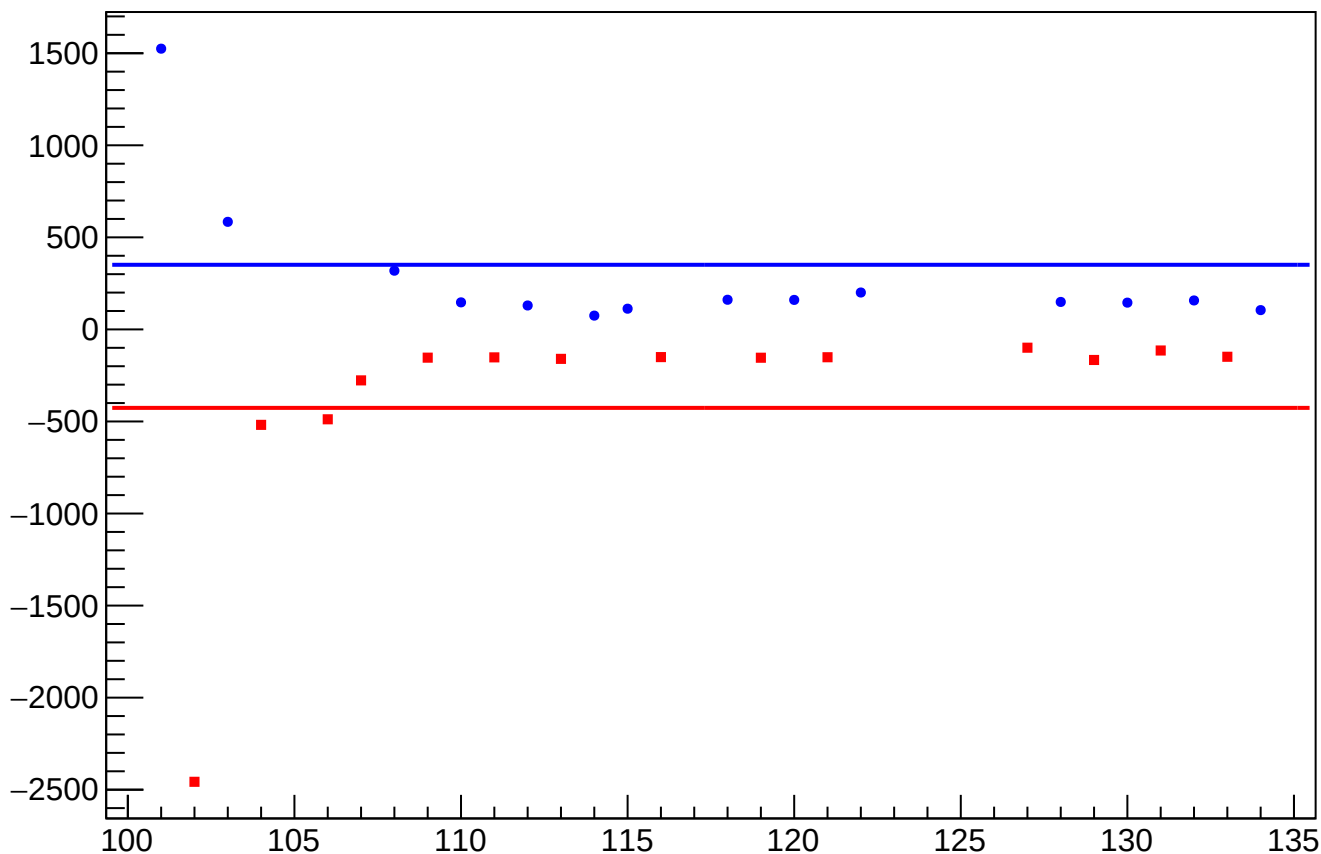
-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

# dit\_atr1\_coil3\_mean vs Slug, Sign Corrected



Right In: 1758.052+/-0.000  $\chi^2/\text{NDF}$ : 271683298053451473577458336851799572480.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -1740.611+/-0.000  $\chi^2/\text{NDF}$ : 185475378282993920440510641008445227008.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 350.977+/-0.000  $\chi^2/\text{NDF}$ : 101328246119920169592300247389722116096.0/13

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

Right Out: -426.187+/-0.000  $\chi^2/\text{NDF}$ : 274172558008458919526798025621415919616.0/13

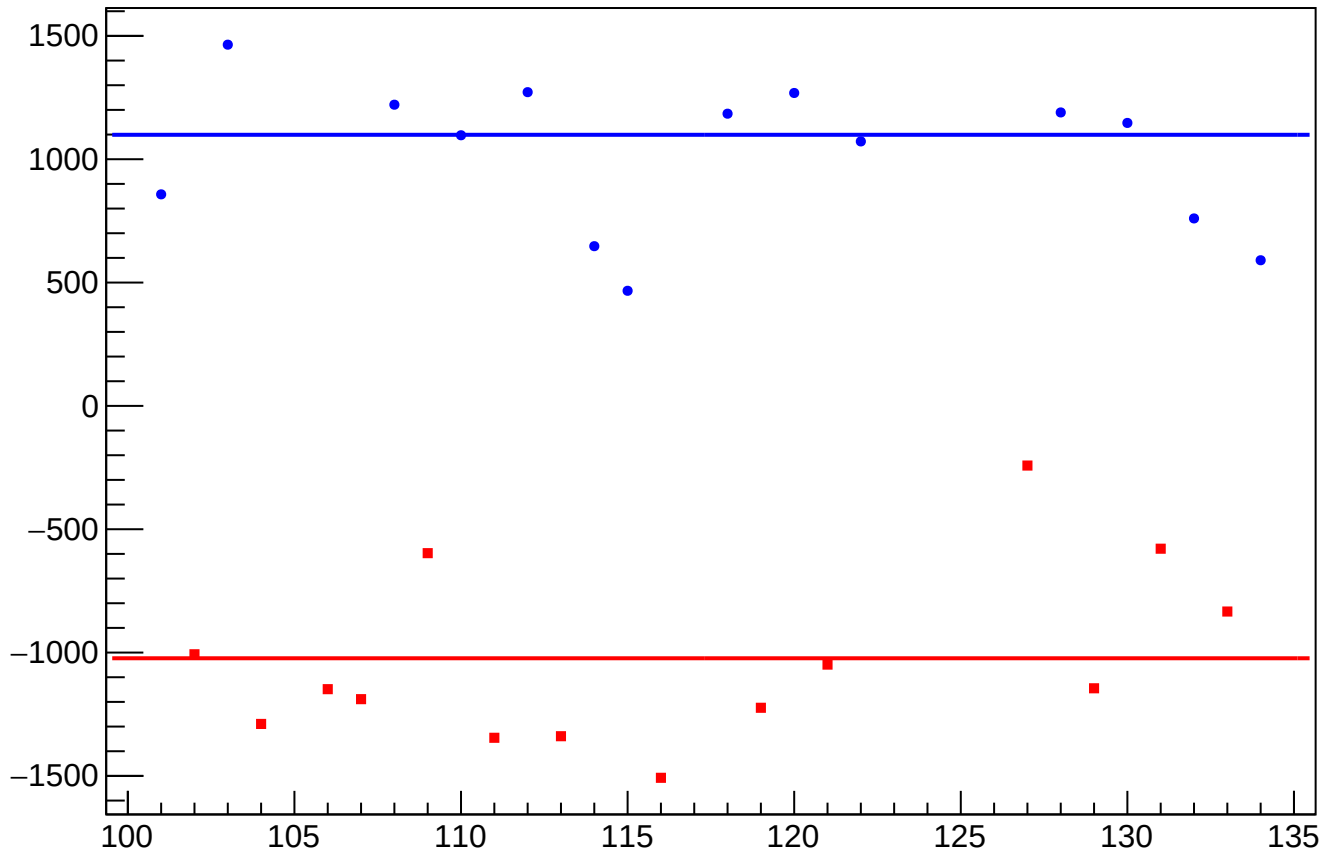
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

350.977+/-0.000  $\chi^2/\text{NDF}$ : 10132824611992016

-50.658+/-0.000  $\chi^2/\text{NDF}$ : 550609193102

-426.187+/-0.000  $\chi^2/\text{NDF}$ : 2741725580084589

dit\_atr1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

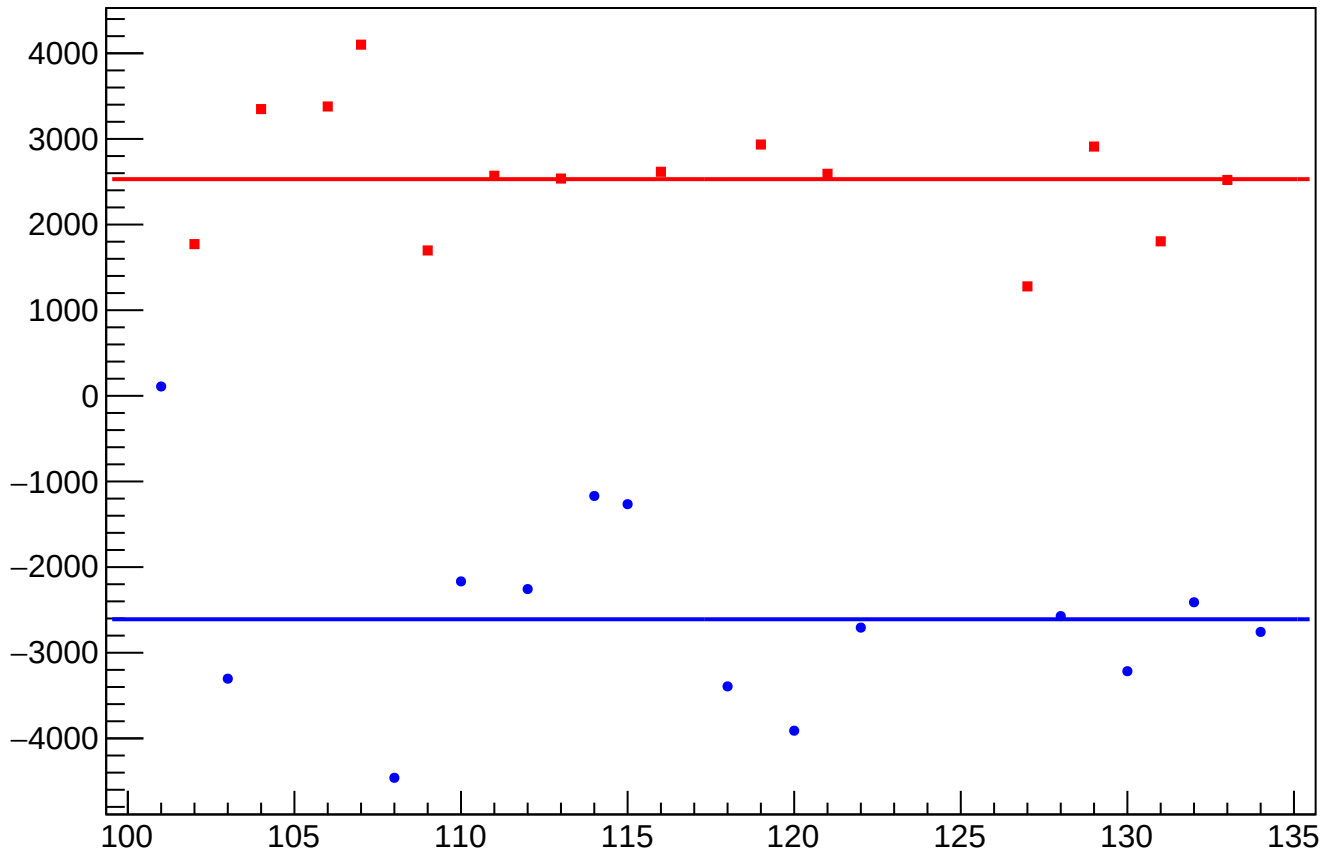
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 3263194144378842

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 676649374296092

# dit\_atr2\_coil3\_mean vs Slug, Sign Corrected



Right In: -2609.003+/-0.000  $\chi^2/\text{NDF}$ : 767360432261177162791482451400291516416.0/13

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

Right Out: 2530.212+/-0.000  $\chi^2/\text{NDF}$ : 316442563228005199277648873189248335872.0/13

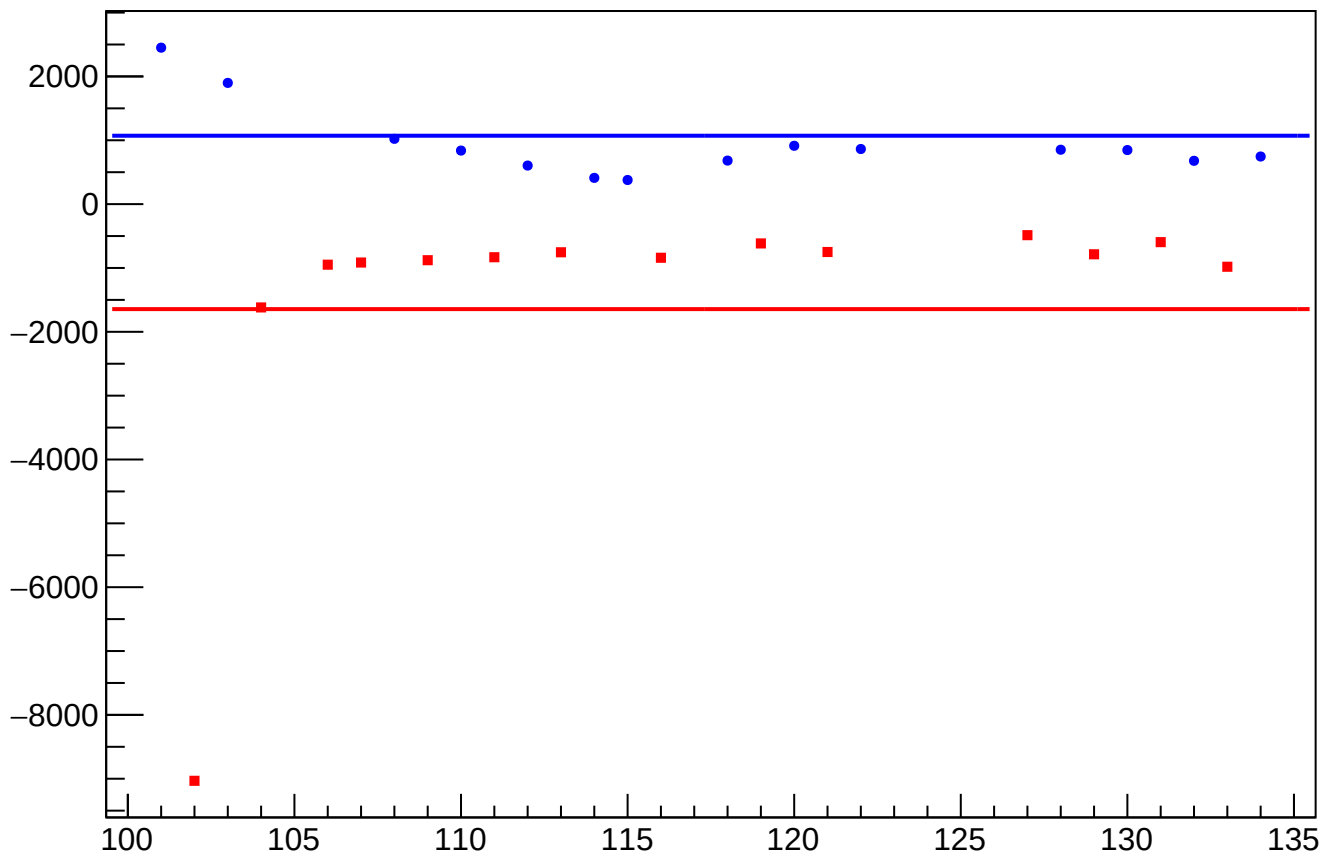
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2609.003+/-0.000  $\chi^2/\text{NDF}$ : 767360432261177

46.922+/-0.000  $\chi^2/\text{NDF}$ : 8741099257157

2530.212+/-0.000  $\chi^2/\text{NDF}$ : 3164425632280051

dit\_atr2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 1071.351+/-0.000  $\chi^2/\text{NDF}$ : 200715656892951027554069241391761850368.0/13

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

Right Out: -1644.442+/-0.000  $\chi^2/\text{NDF}$ : 3547916815323836208318052011284950417408.0/13

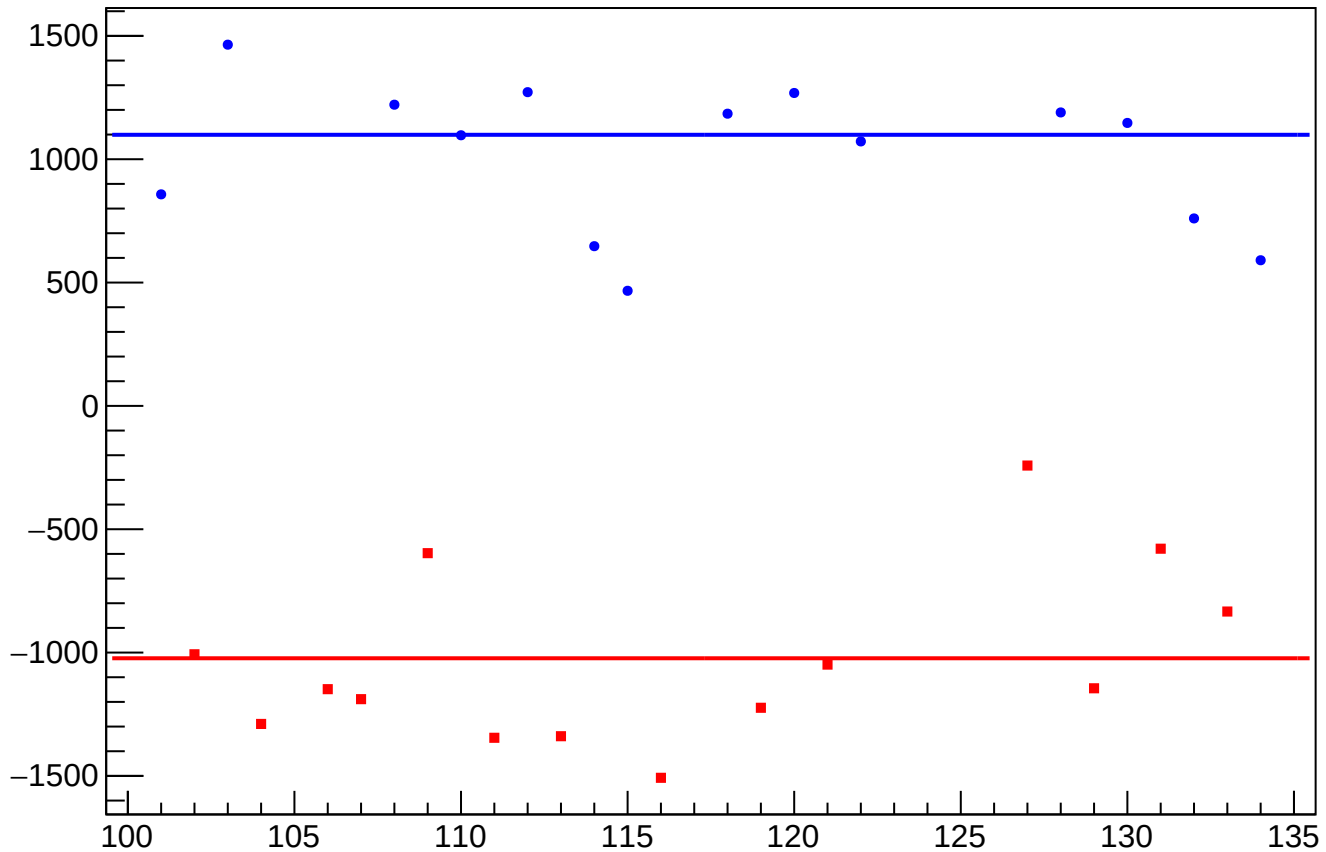
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1071.351+/-0.000  $\chi^2/\text{NDF}$ : 2007156568929510

-332.160+/-0.000  $\chi^2/\text{NDF}$ : 58869643533

-1644.442+/-0.000  $\chi^2/\text{NDF}$ : 354791681532383

dit\_atr2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

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

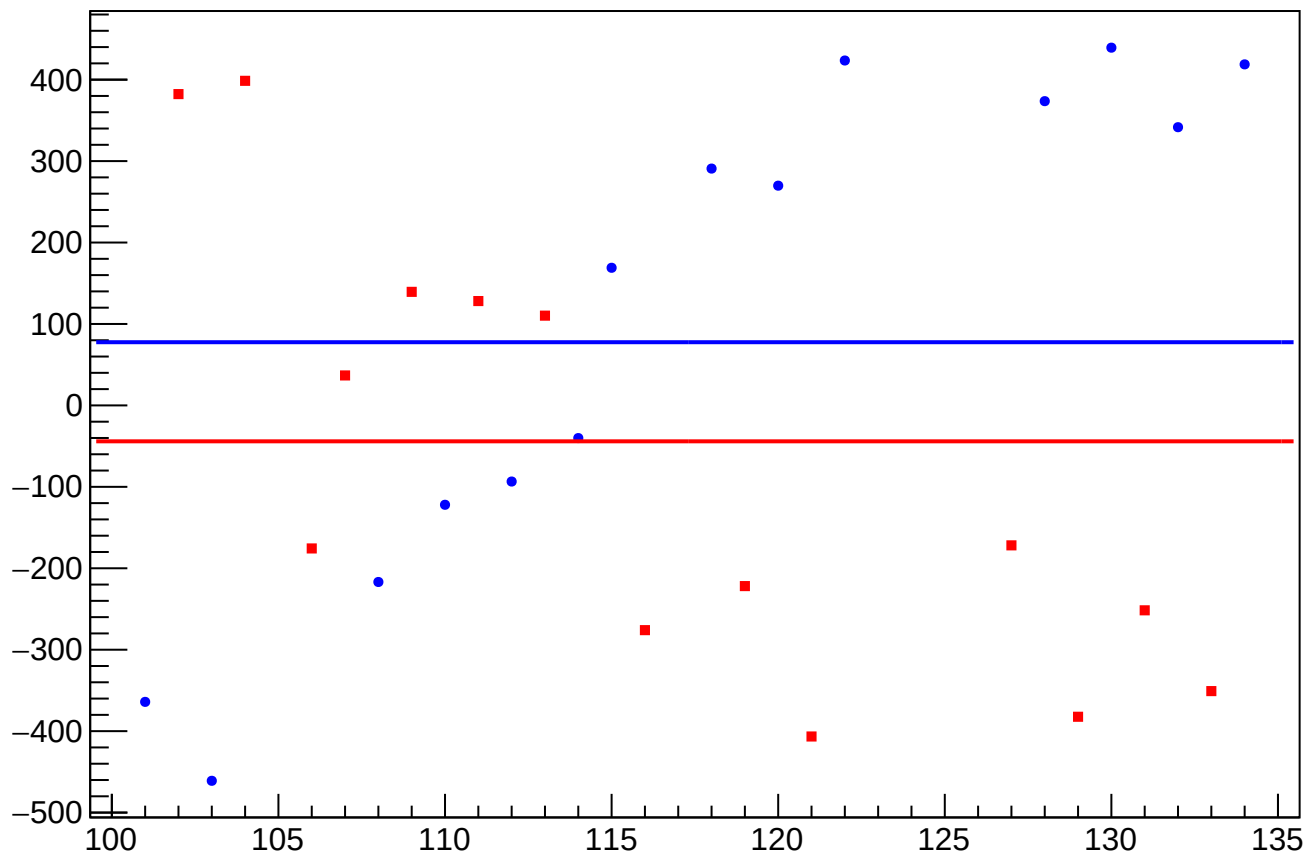
1099.052+/-0.000  $\chi^2/\text{NDF}$ : 3263194144378842

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 676649374296092



dit\_sam1\_coil3\_mean vs Slug, Sign Corrected



Right In: 77.600+/-0.000  $\chi^2/\text{NDF}$ : 60501123006716658337231912290832351232.0/13

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

Right Out: -44.108+/-0.000  $\chi^2/\text{NDF}$ : 44782608569166714428284145326129938432.0/13

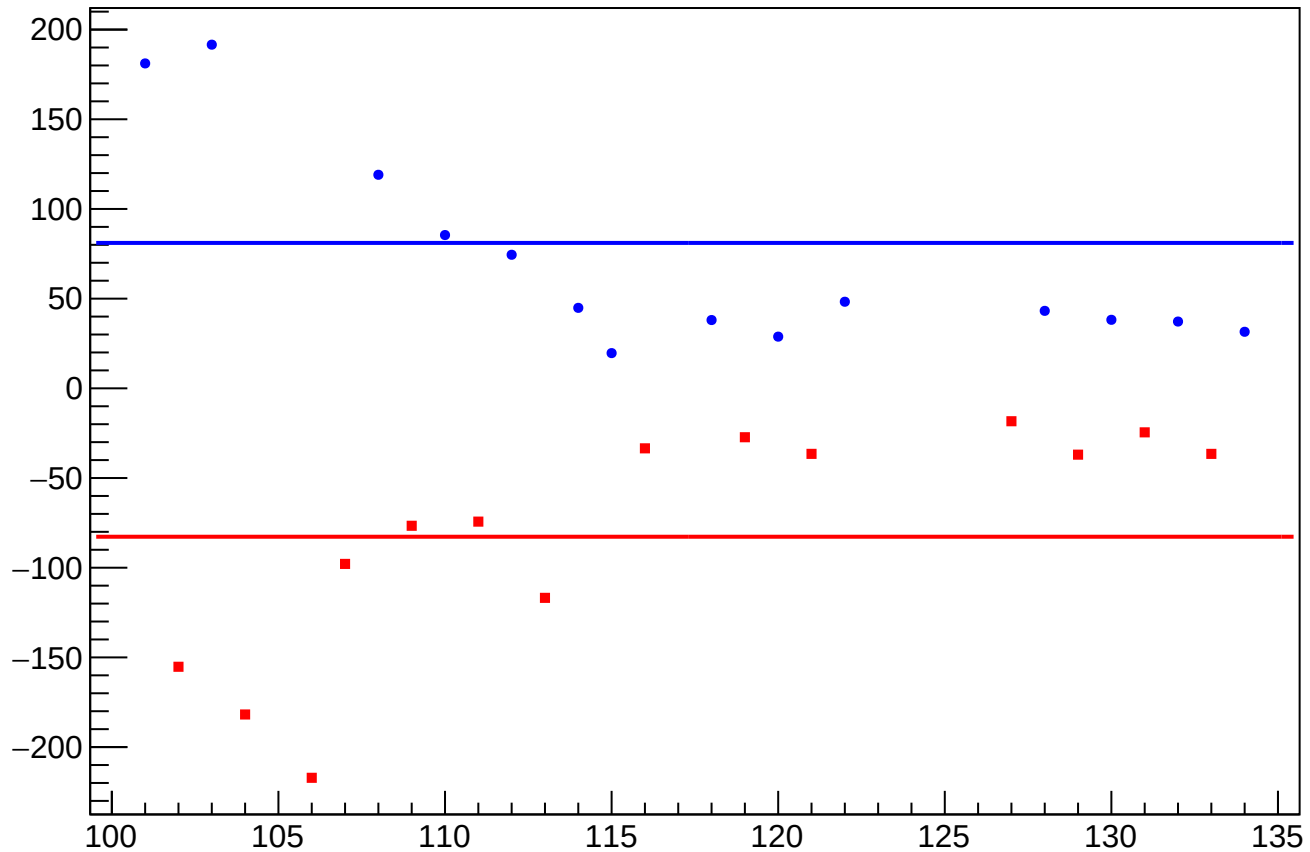
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

77.600+/-0.000  $\chi^2/\text{NDF}$ : 60501123006716658337231912290832351232.0/13

14.701+/-0.000  $\chi^2/\text{NDF}$ : 1095783041297

-44.108+/-0.000  $\chi^2/\text{NDF}$ : 44782608569166714428284145326129938432.0/13

dit\_sam1\_coil3\_err\_mean vs Slug, Sign Corrected



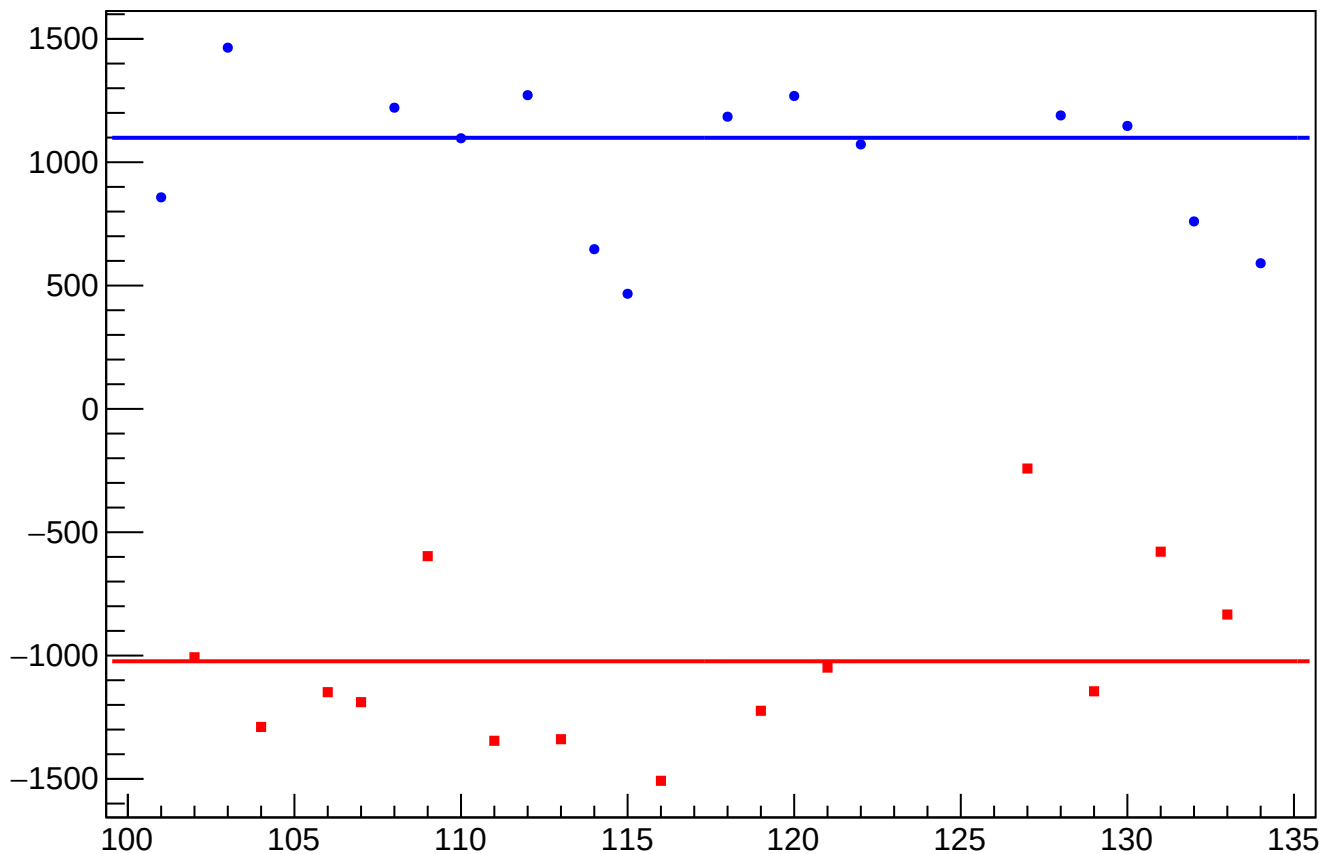
Right In: 81.068+/-0.000  $\chi^2/\text{NDF}$ : 1969141311284401192090743540889419776.0/13

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

Right Out: -82.729+/-0.000  $\chi^2/\text{NDF}$ : 2225119149721194016032156658977210368.0/13

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

dit\_sam1\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

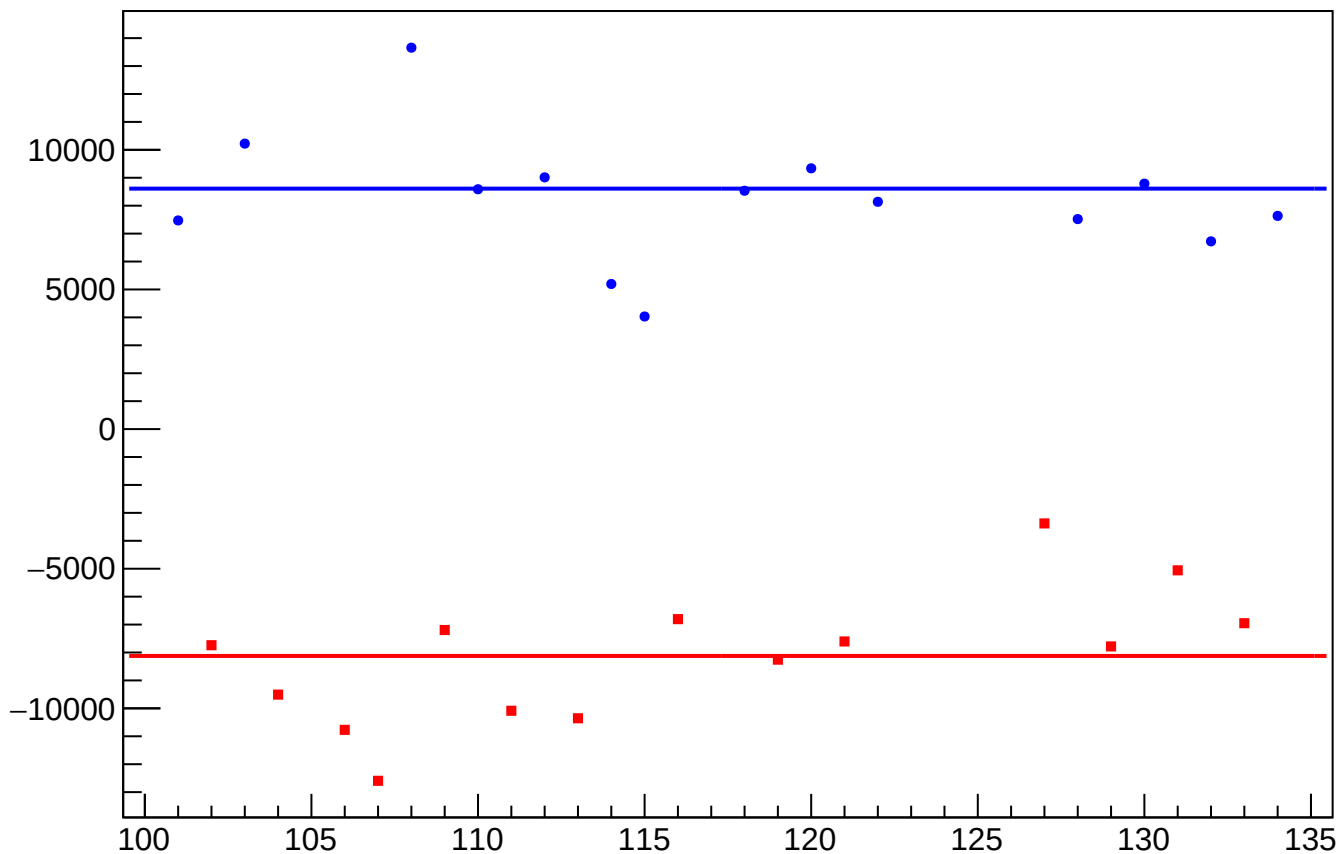
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

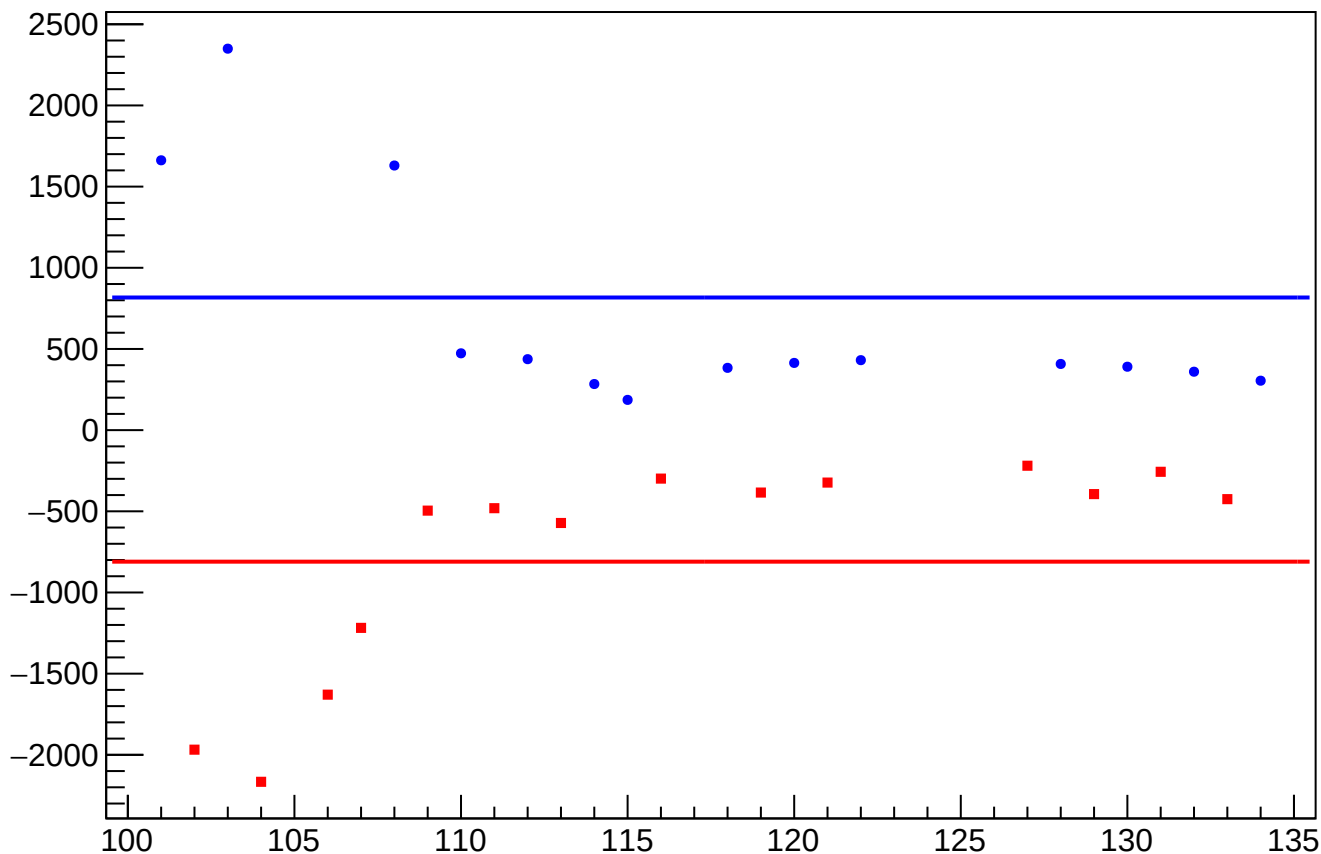
-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

dit\_sam2\_coil3\_mean vs Slug, Sign Corrected



Right In: 8610.706+/-0.000  $\chi^2/\text{NDF}$ : 1853991288543111136730990348056787943424.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -8123.626+/-0.000  $\chi^2/\text{NDF}$ : 2932052522678160656384495273607740522496.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 816.951+/-0.000  $\chi^2/\text{NDF}$ : 279488528880983162441093729891848814592.0/13

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

Right Out: -810.170+/-0.000  $\chi^2/\text{NDF}$ : 276558934298008477863426626636189007872.0/13

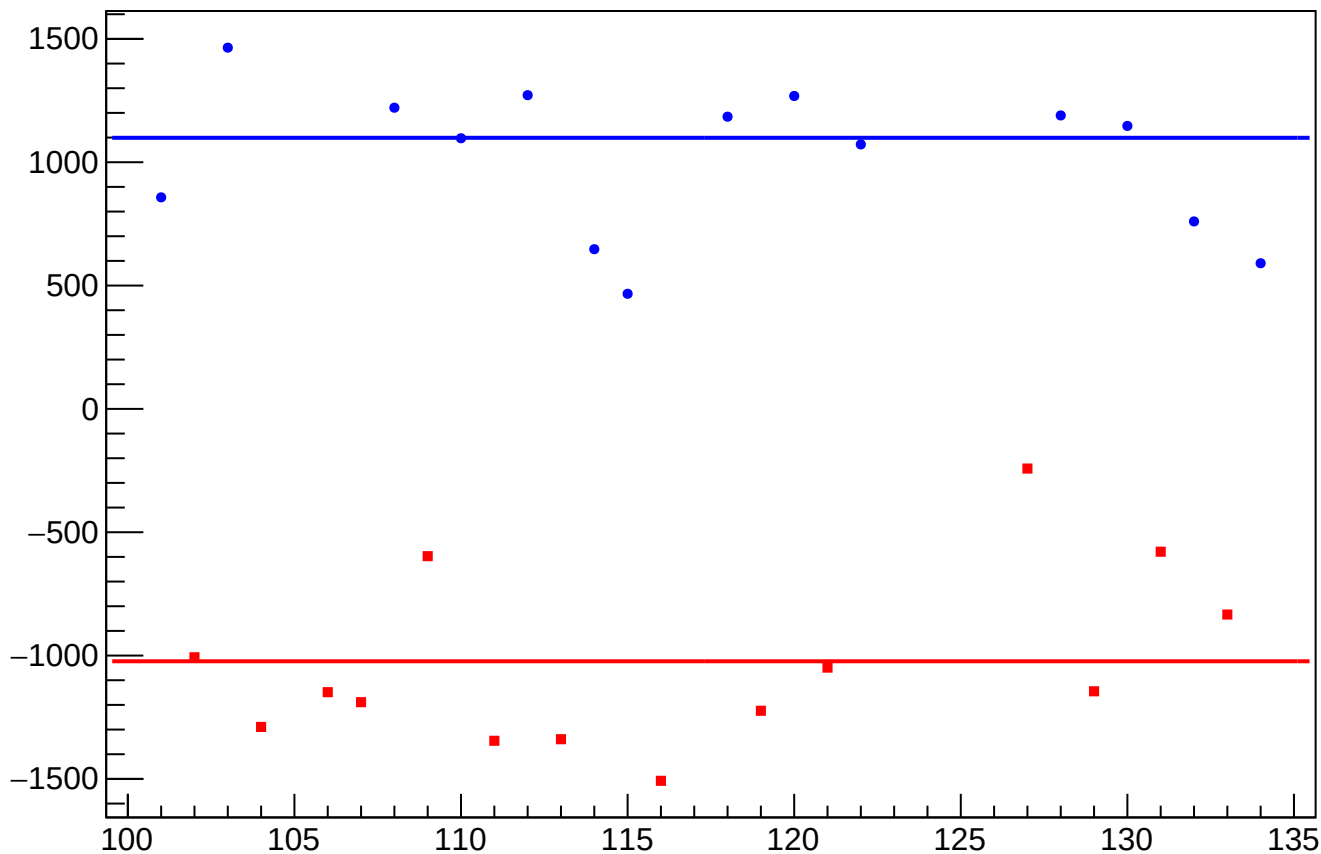
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

816.951+/-0.000  $\chi^2/\text{NDF}$ : 279488528880983162441093729891848814592.0/13

-23.939+/-0.000  $\chi^2/\text{NDF}$ : 132362420401.0/13

-810.170+/-0.000  $\chi^2/\text{NDF}$ : 276558934298008477863426626636189007872.0/13

dit\_sam2\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

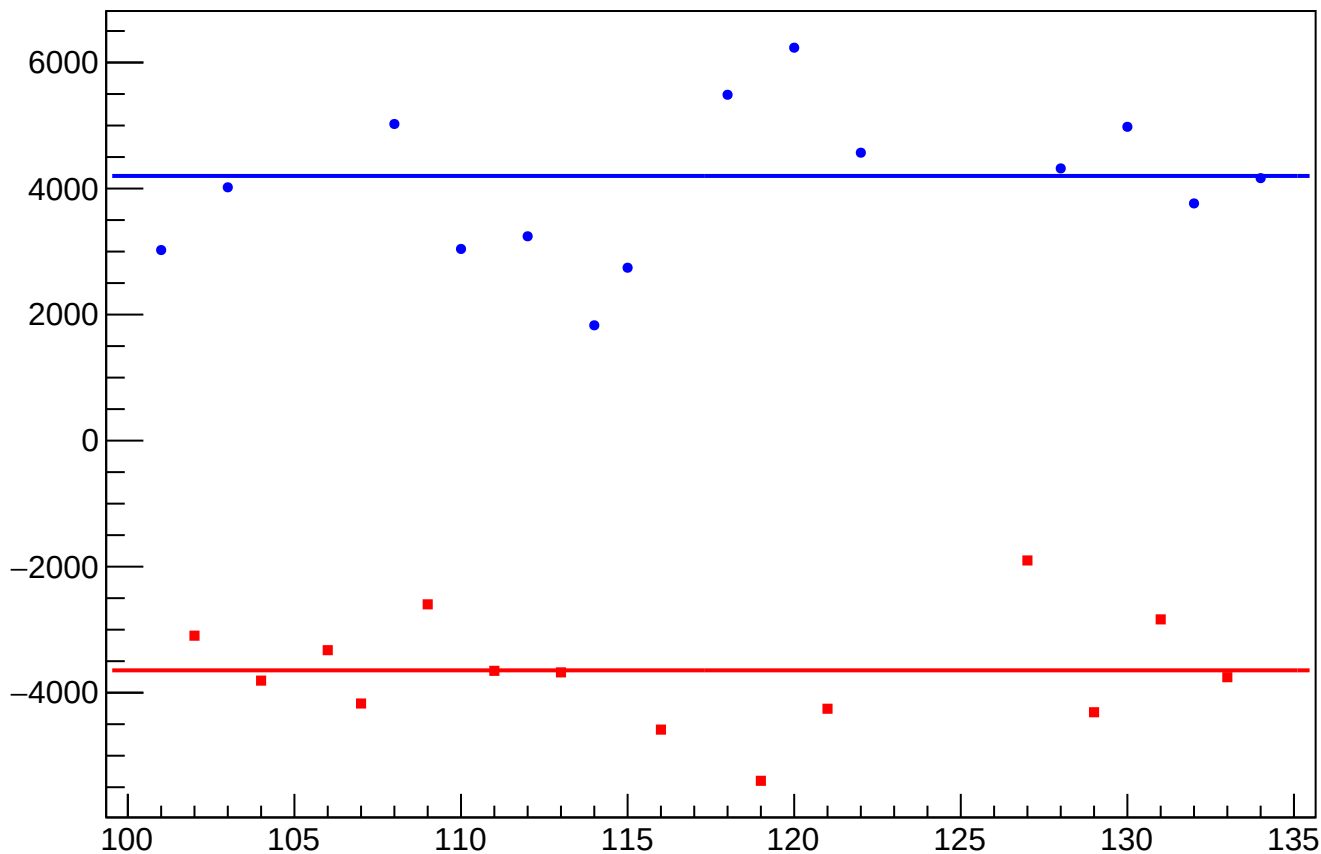
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

dit\_sam3\_coil3\_mean vs Slug, Sign Corrected



Right In: 4199.950+/-0.000  $\chi^2/\text{NDF}$ : 572558790751650657309445277889964539904.0/13

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

Right Out: -3645.532+/-0.000  $\chi^2/\text{NDF}$ : 459953125773234551831821092780242894848.0/13

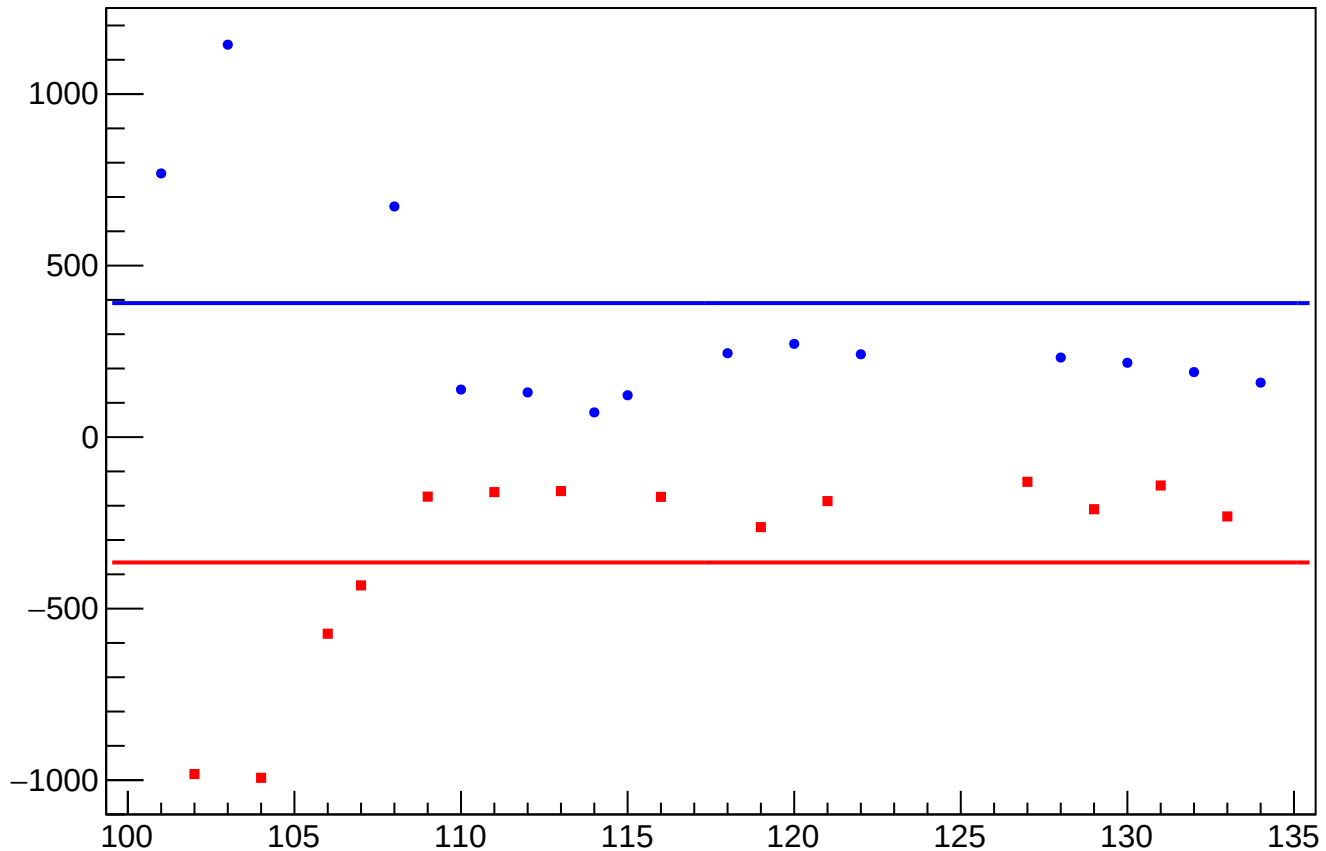
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4199.950+/-0.000  $\chi^2/\text{NDF}$ : 5725587907516506

145.438+/-0.000  $\chi^2/\text{NDF}$ : 188777024700

-3645.532+/-0.000  $\chi^2/\text{NDF}$ : 459953125773234

dit\_sam3\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 390.655+/-0.000  $\chi^2/\text{NDF}$ : 60859408871389886665775560930740928512.0/13

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

Right Out: -365.450+/-0.000  $\chi^2/\text{NDF}$ : 58211344259319607572752627858738774016.0/13

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

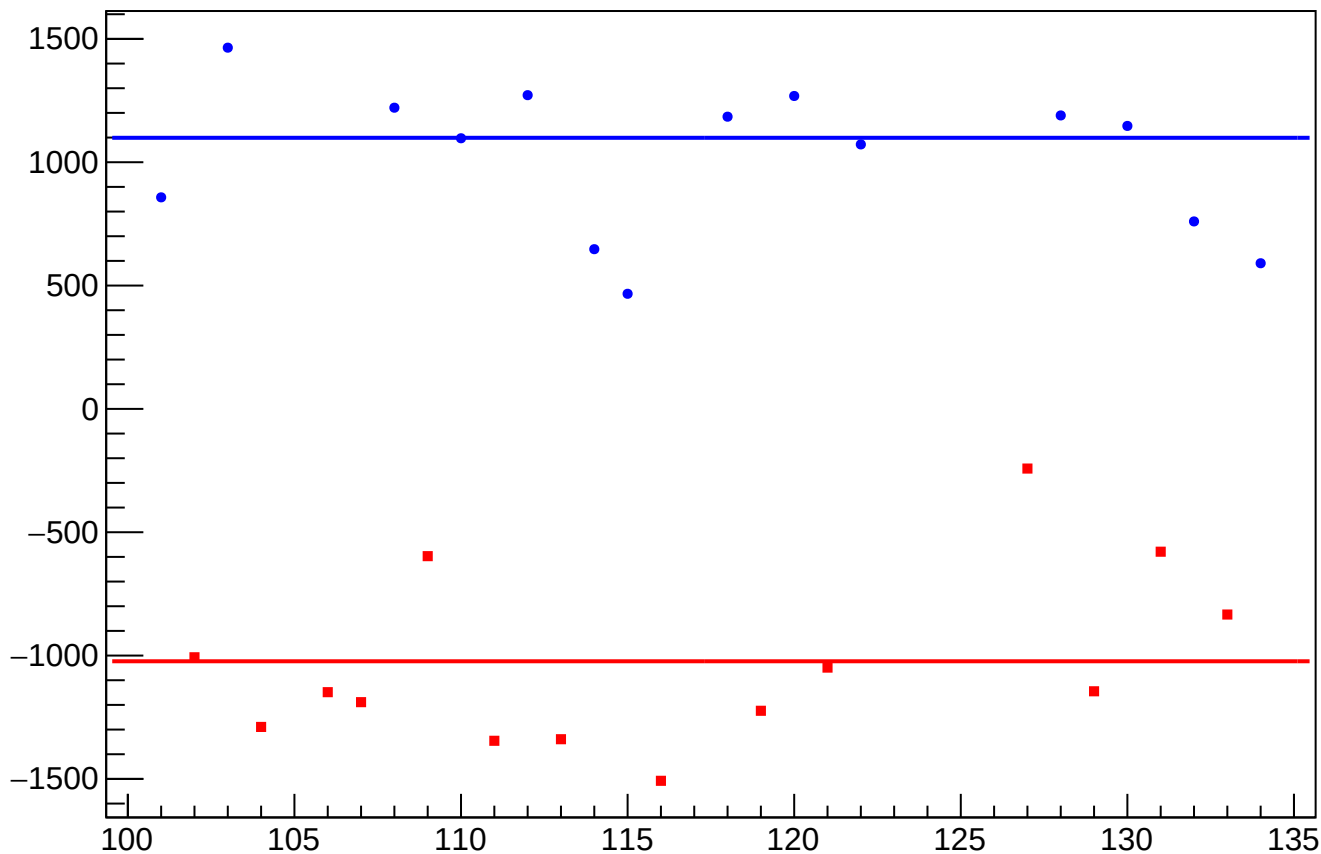
390.655+/-0.000  $\chi^2/\text{NDF}$ : 60859408871389886665775560930740928512.0/13

-0.097+/-0.000  $\chi^2/\text{NDF}$ : 28481815041320.0/13

-365.450+/-0.000  $\chi^2/\text{NDF}$ : 58211344259319607572752627858738774016.0/13



dit\_sam3\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

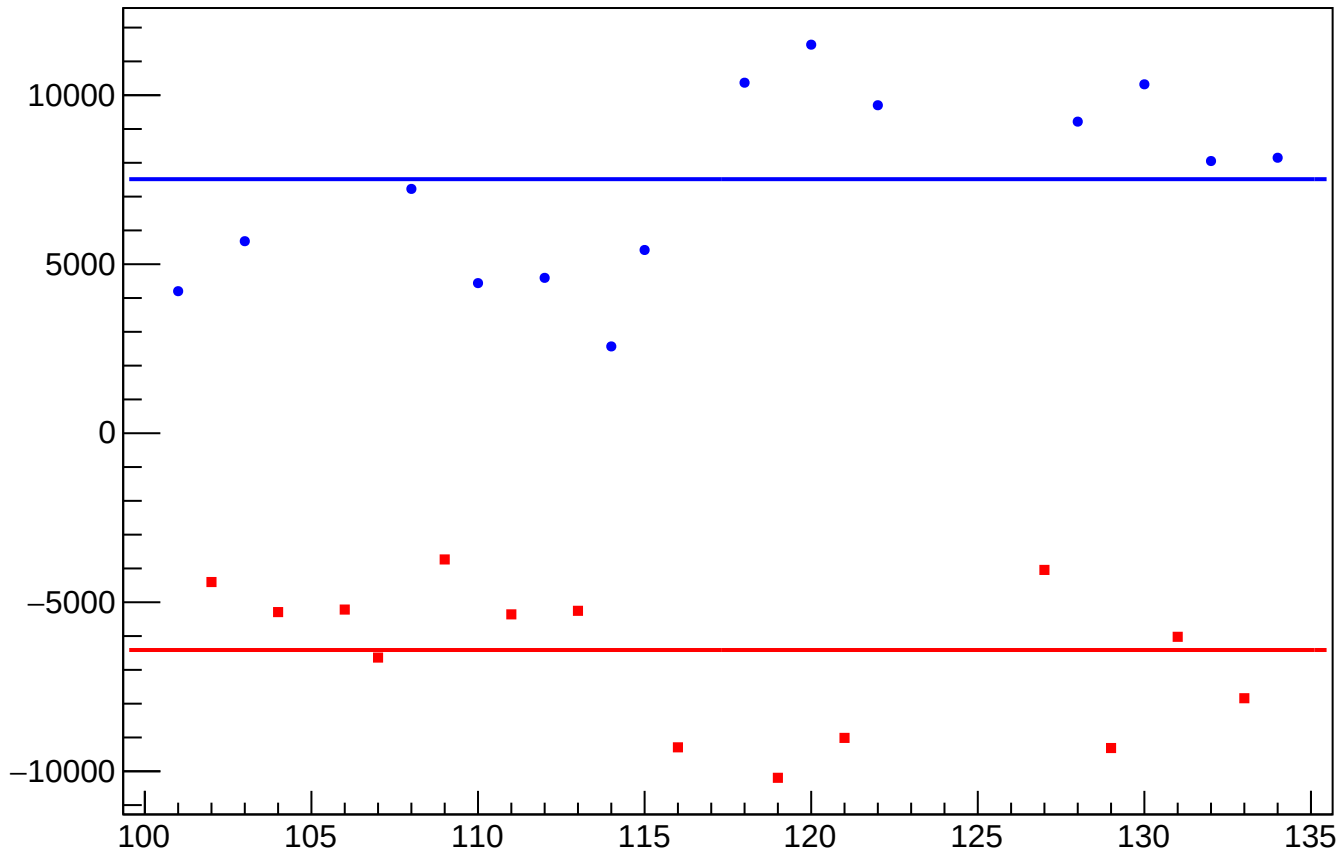
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

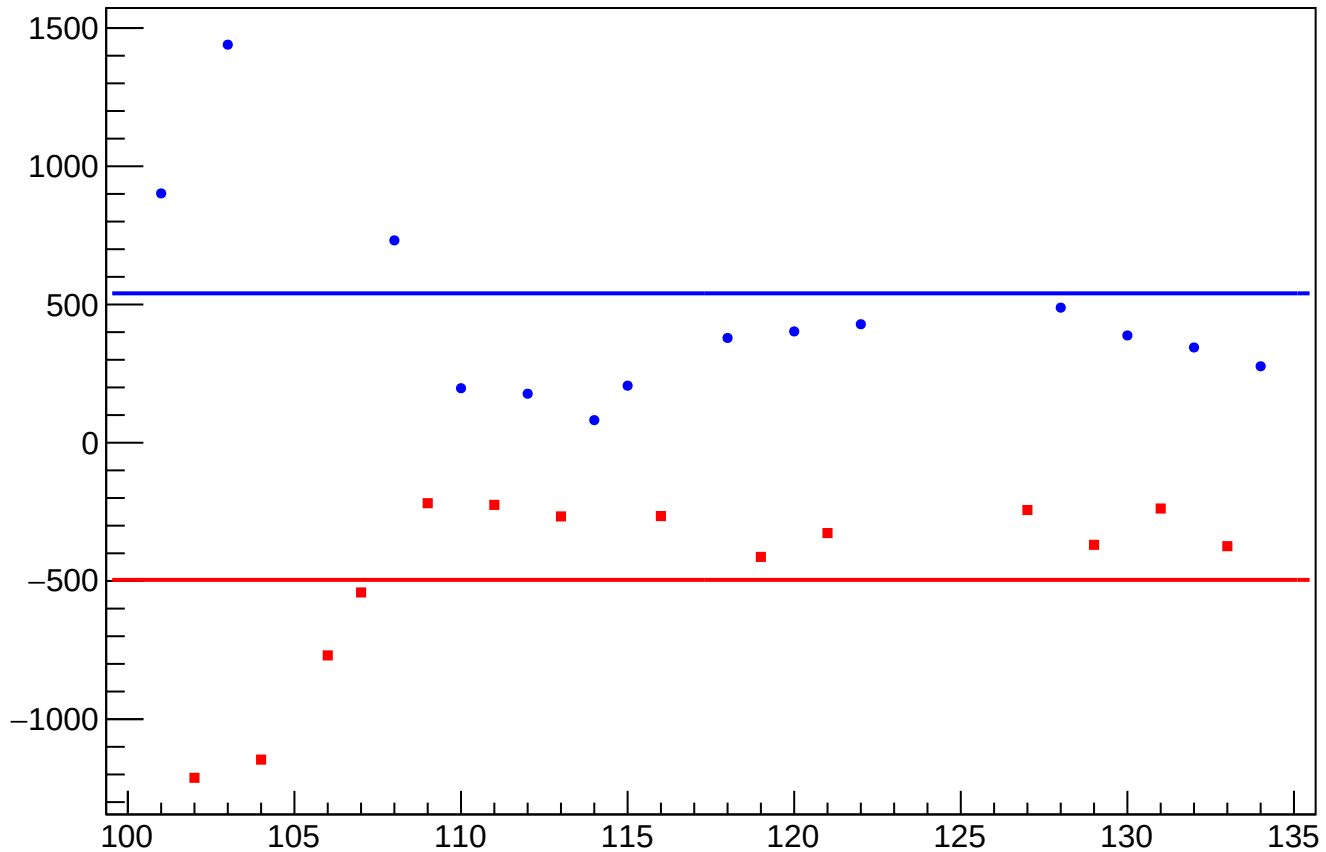
-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

dit\_sam4\_coil3\_mean vs Slug, Sign Corrected



Right In: 7515.763+/-0.000  $\chi^2/\text{NDF}$ : 3720149171373152364916294529702187499520.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -6412.469+/-0.000  $\chi^2/\text{NDF}$ : 2731686275691652563147971216158301880320.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 540.337+/-0.000  $\chi^2/\text{NDF}$ : 78317475755554447589141272275193954304.0/13

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

Right Out: -496.093+/-0.000  $\chi^2/\text{NDF}$ : 72714485312202536709505750318765309952.0/13

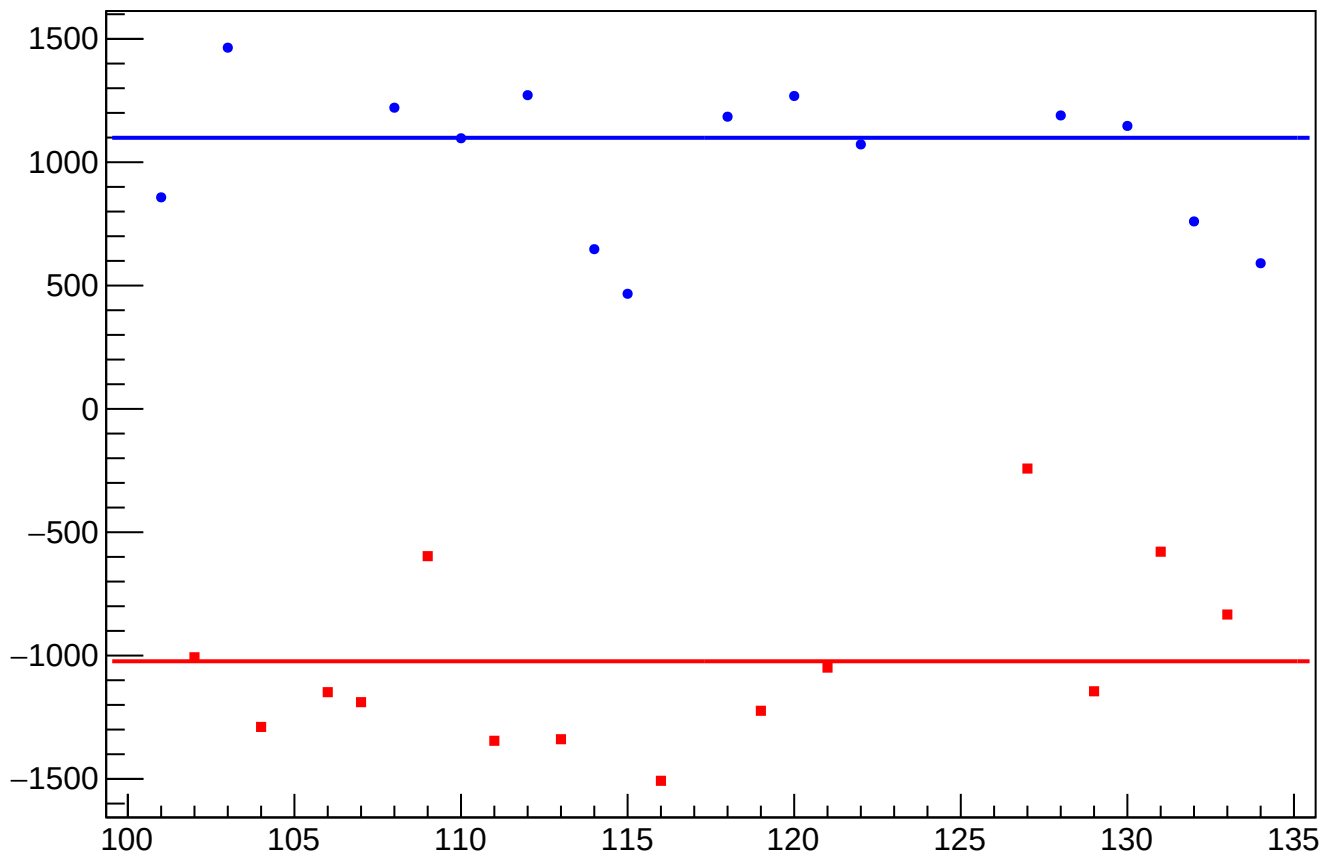
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

540.337+/-0.000  $\chi^2/\text{NDF}$ : 78317475755554447589141272275193954304.0/13

4.714+/-0.000  $\chi^2/\text{NDF}$ : 46246318820324.0/13

-496.093+/-0.000  $\chi^2/\text{NDF}$ : 72714485312202536709505750318765309952.0/13

dit\_sam4\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

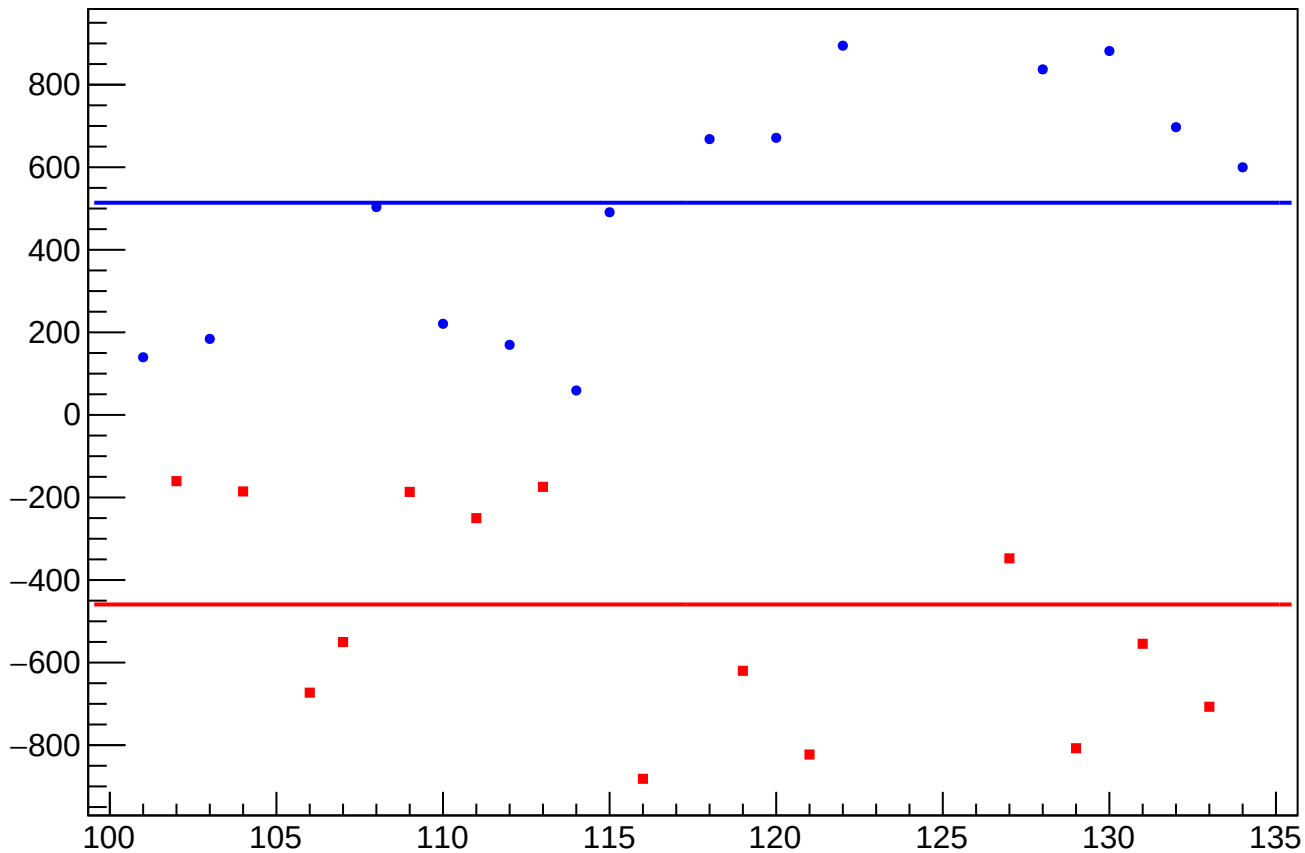
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

### dit\_sam5\_coil3\_mean vs Slug, Sign Corrected



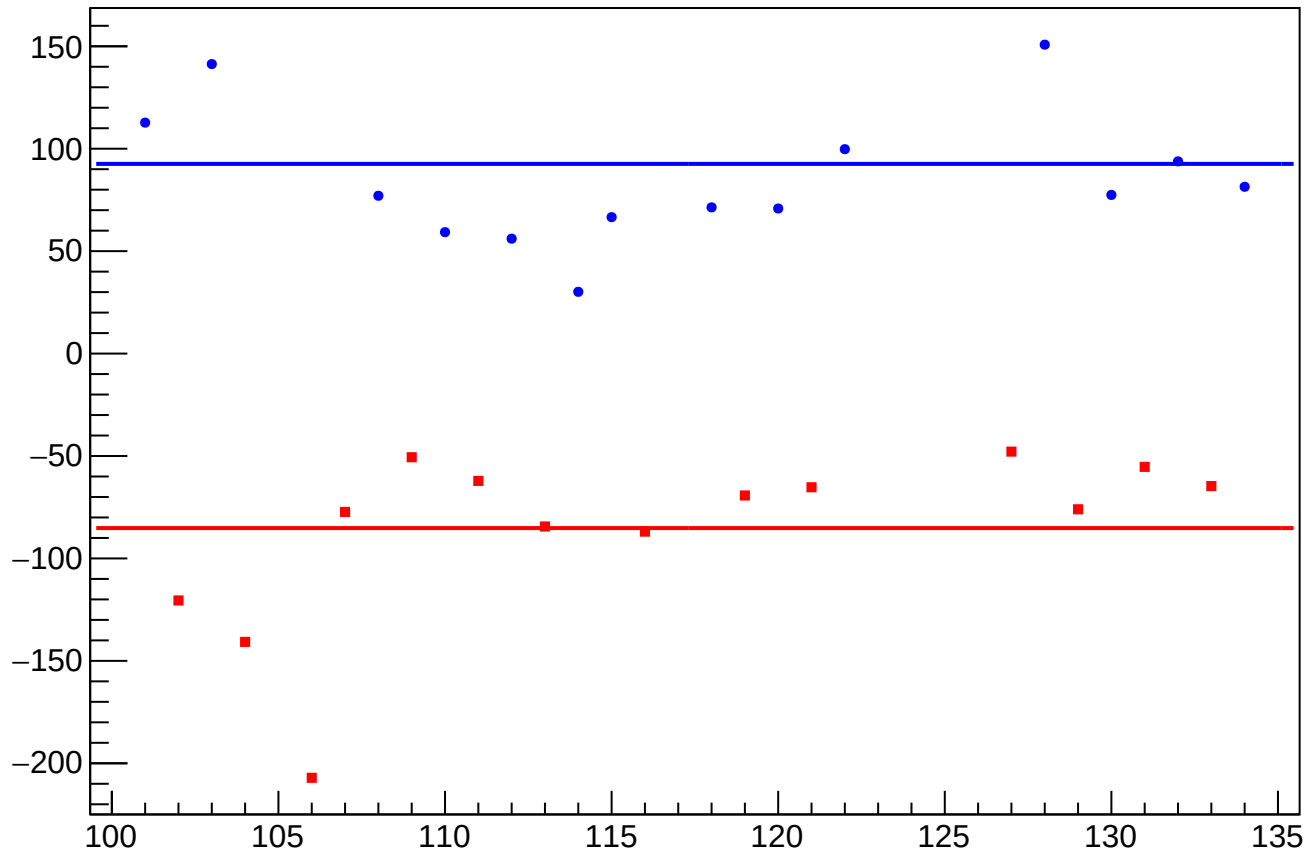
Right In: 514.056+/-0.000  $\chi^2/\text{NDF}$ : 48455088537928079620755651875791962112.0/13

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

Right Out: -459.229+/-0.000  $\chi^2$ /NDF: 39918567991736008144414773917433987072.0/13

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

dit\_sam5\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 92.596+/-0.000  $\chi^2/\text{NDF}$ : 573566469281580572194051241017344000.0/13

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

Right Out: -85.176+/-0.000  $\chi^2/\text{NDF}$ : 921287062244172230164794599375110144.0/13

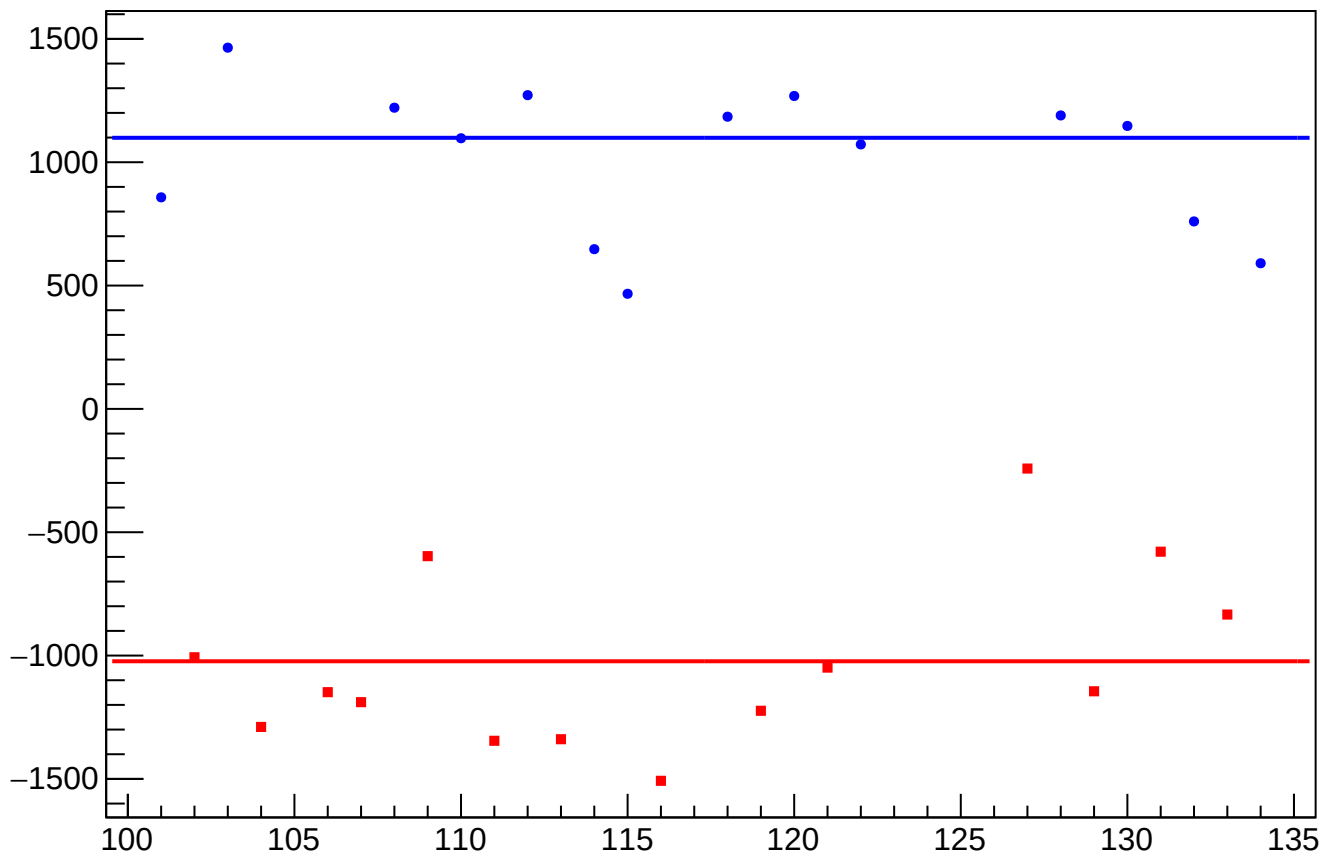
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

92.596+/-0.000  $\chi^2/\text{NDF}$ : 573566469281580572194051241017344000.0/13

0.724+/-0.000  $\chi^2/\text{NDF}$ : 10657320335332

-85.176+/-0.000  $\chi^2/\text{NDF}$ : 921287062244172230164794599375110144.0/13

dit\_sam5\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

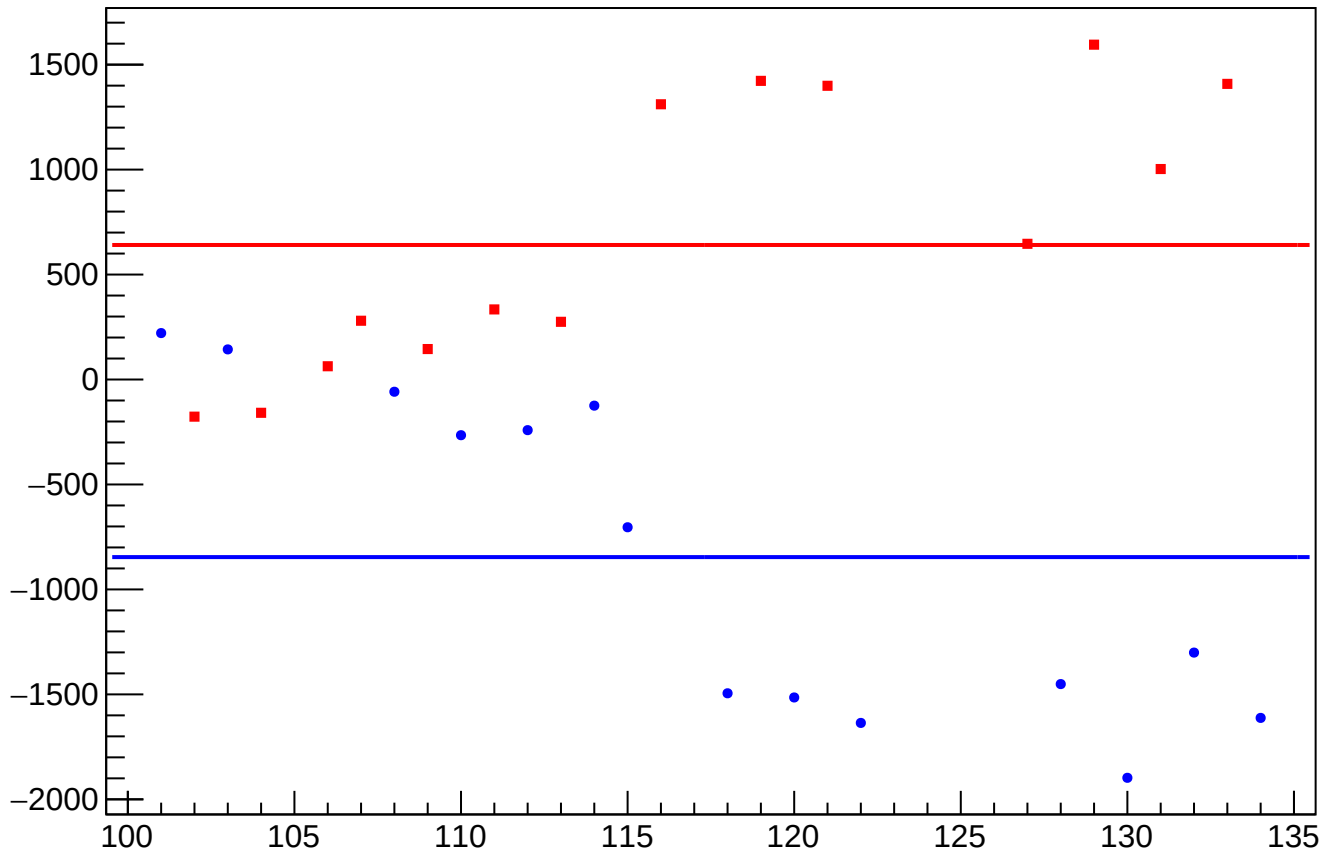
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

# dit\_sam6\_coil3\_mean vs Slug, Sign Corrected



Right In: -845.990+/-0.000  $\chi^2/\text{NDF}$ : 347194442794928022409749905356133236736.0/13

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

Right Out: 640.889+/-0.000  $\chi^2/\text{NDF}$ : 243721992255169312476700358331257061376.0/13

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

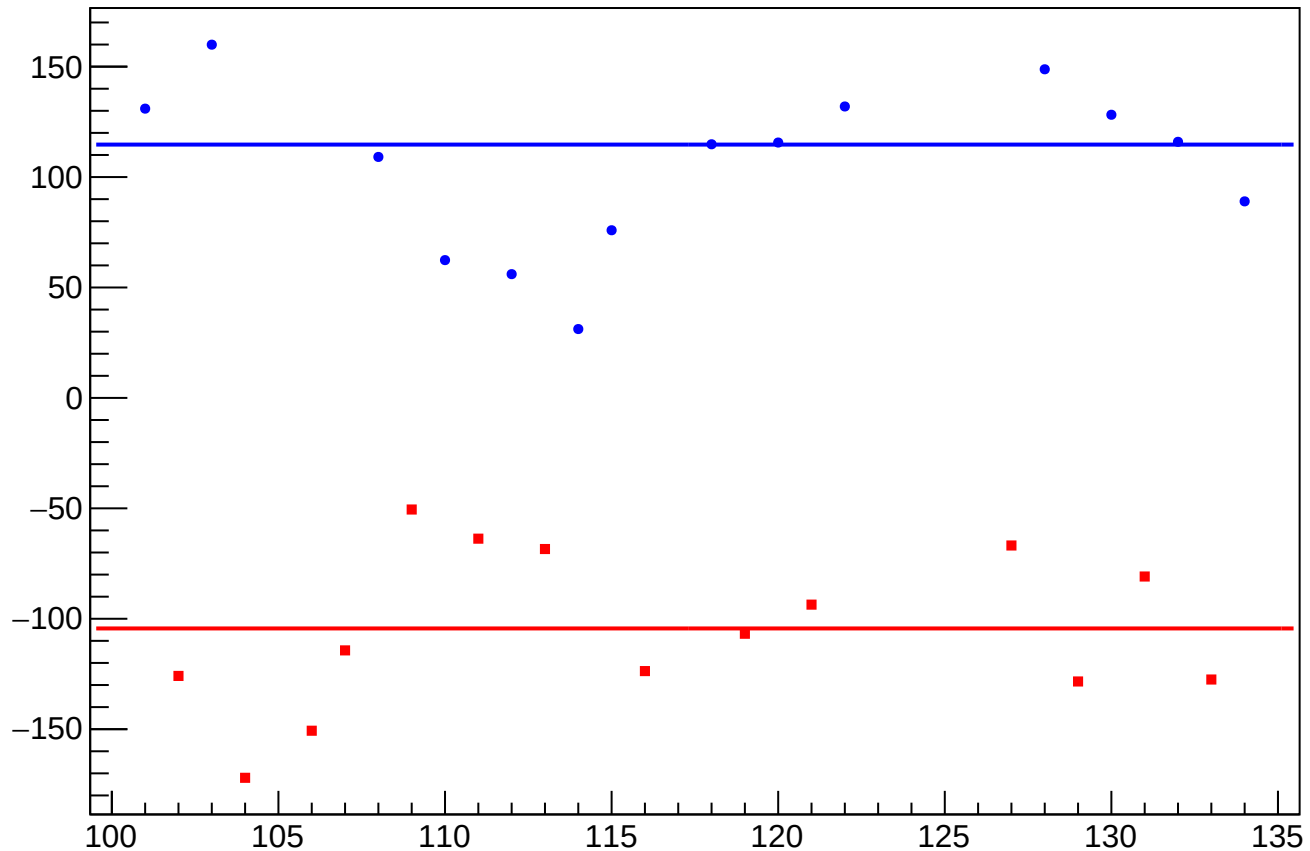
-845.990+/-0.000  $\chi^2/\text{NDF}$ : 3471944427949280

-77.577+/-0.000  $\chi^2/\text{NDF}$ : 123187961621

640.889+/-0.000  $\chi^2/\text{NDF}$ : 2437219922551693



dit\_sam6\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 114.706+/-0.000  $\chi^2/\text{NDF}$ : 605797614914874614222492955169521664.0/13

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

Right Out: -104.384+/-0.000  $\chi^2/\text{NDF}$ : 753611320226800470301656959724552192.0/13

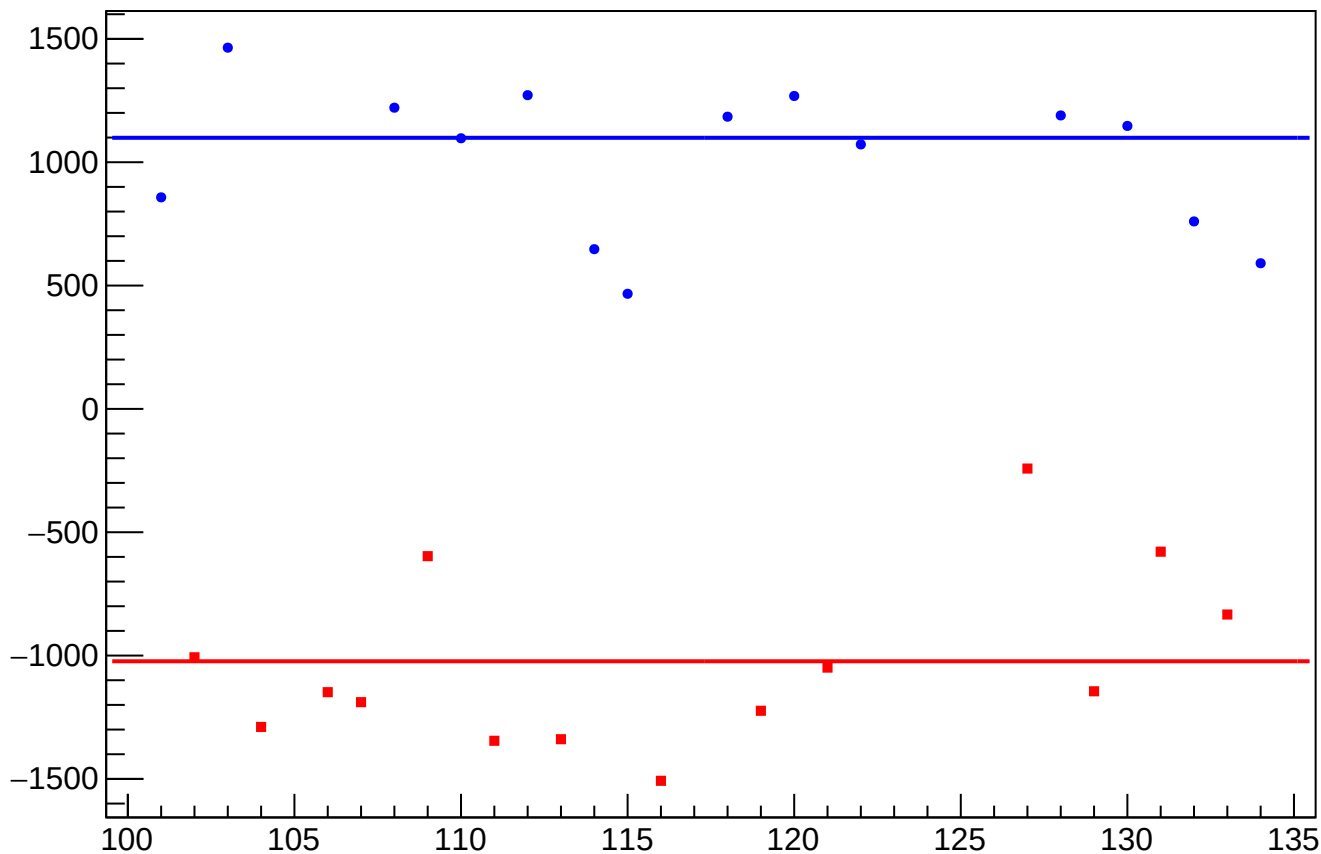
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

114.706+/-0.000  $\chi^2/\text{NDF}$ : 605797614914874614222492955169521664.0/13

1.481+/-0.000  $\chi^2/\text{NDF}$ : 15275729057251

-104.384+/-0.000  $\chi^2/\text{NDF}$ : 753611320226800470301656959724552192.0/13

dit\_sam6\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

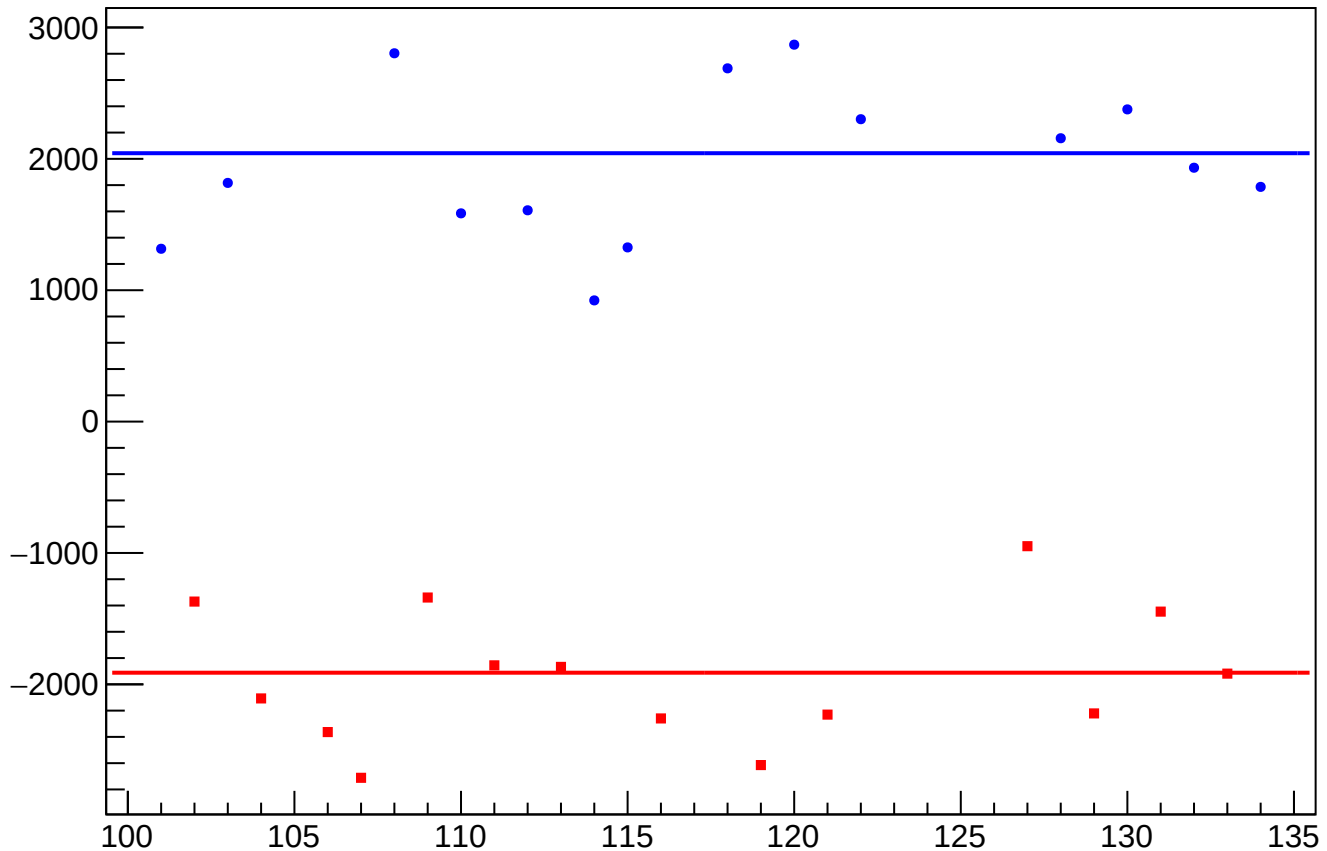
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 3263194144378842

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 676649374296092

dit\_sam7\_coil3\_mean vs Slug, Sign Corrected



Right In: 2042.953+/-0.000  $\chi^2/\text{NDF}$ : 151029218789373229011643775364775280640.0/13

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

Right Out: -1911.419+/-0.000  $\chi^2/\text{NDF}$ : 150217655612325756726127751921374593024.0/13

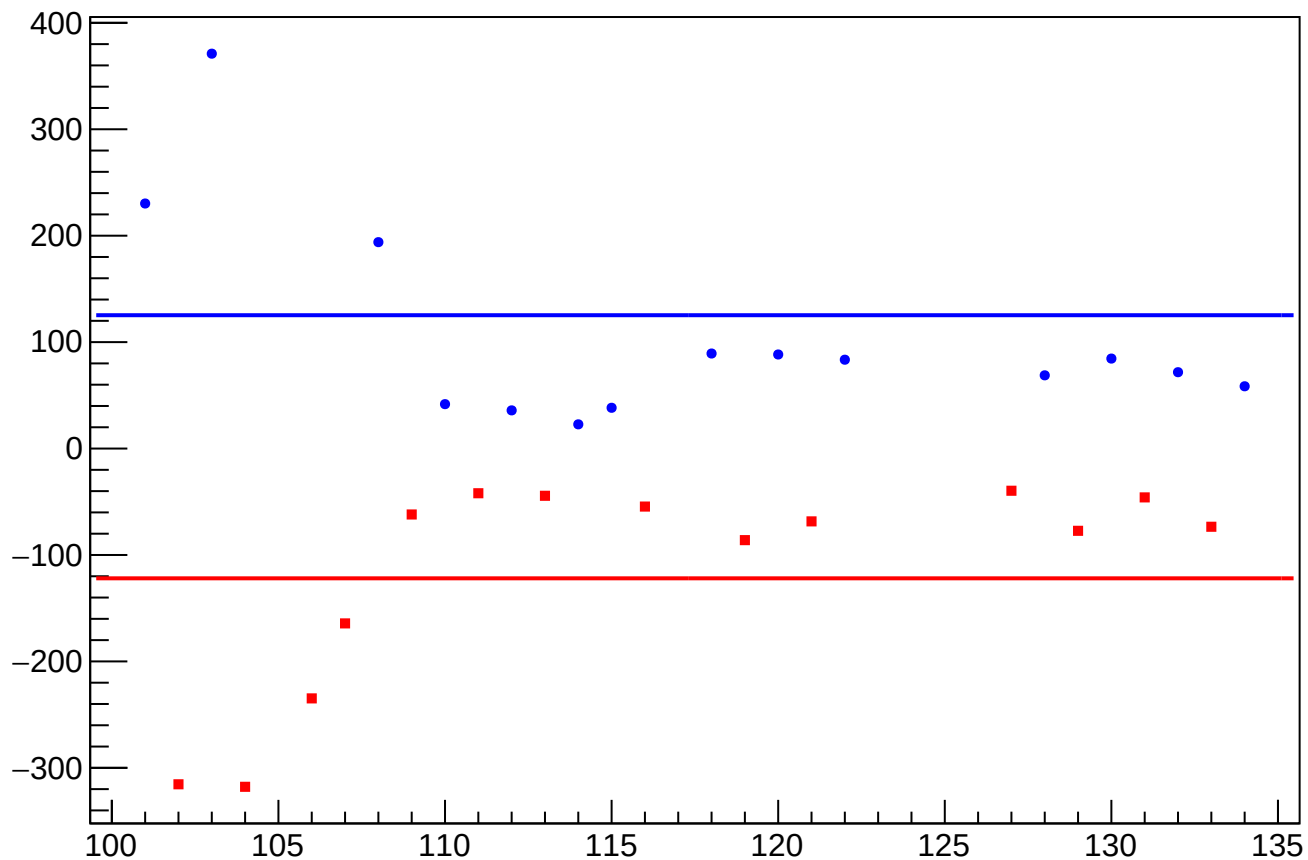
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2042.953+/-0.000  $\chi^2/\text{NDF}$ : 1510292187893732

-0.650+/-0.000  $\chi^2/\text{NDF}$ : 4834780434602

-1911.419+/-0.000  $\chi^2/\text{NDF}$ : 150217655612325

dit\_sam7\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 125.287+/-0.000  $\chi^2/\text{NDF}$ : 5908126093966938137349459947051548672.0/13

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

Right Out: -121.931+/-0.000  $\chi^2/\text{NDF}$ : 6321815202466249816945499301841207296.0/13

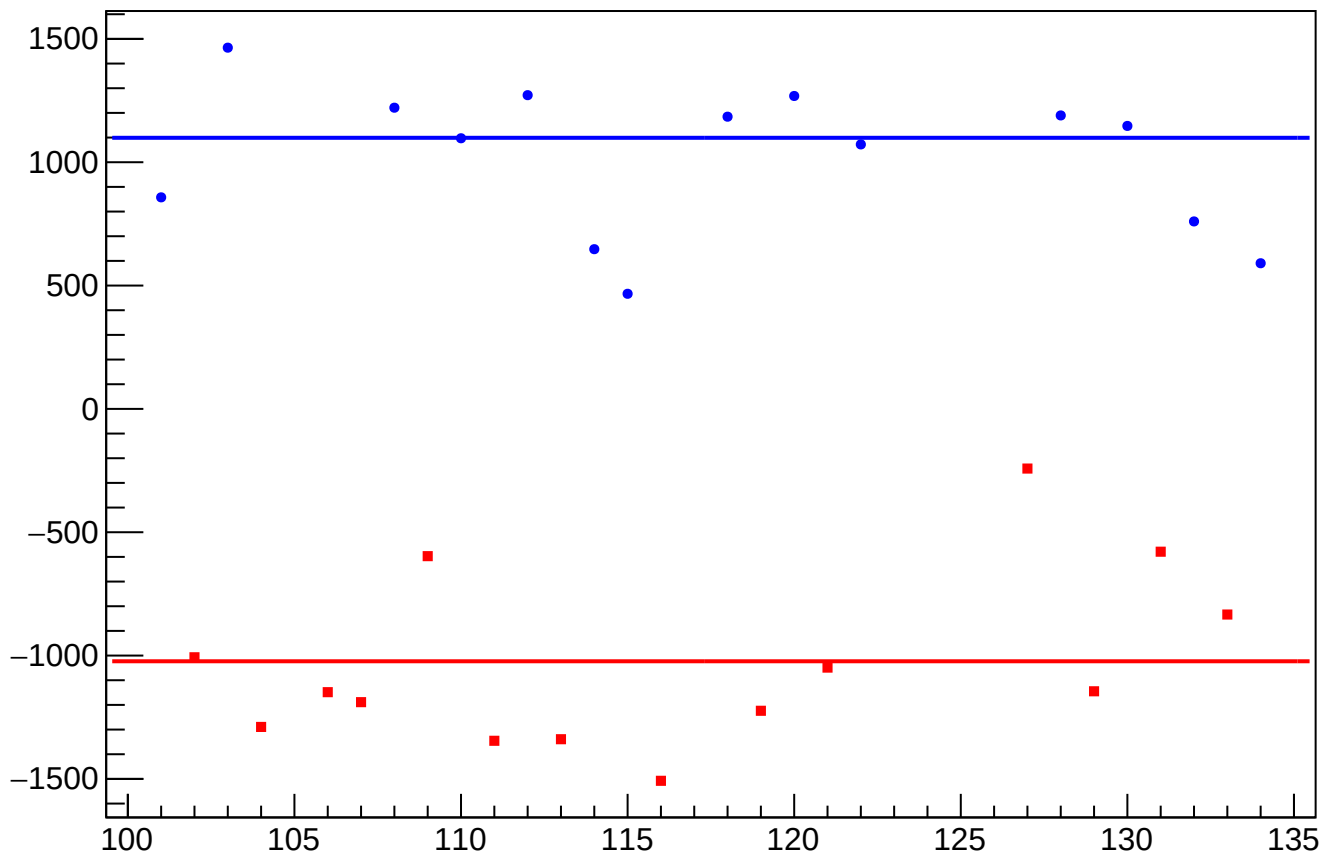
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

125.287+/-0.000  $\chi^2/\text{NDF}$ : 5908126093966938137349459947051548672.0/13

-2.474+/-0.000  $\chi^2/\text{NDF}$ : 2994904929568.0/13

-121.931+/-0.000  $\chi^2/\text{NDF}$ : 6321815202466249816945499301841207296.0/13

dit\_sam7\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

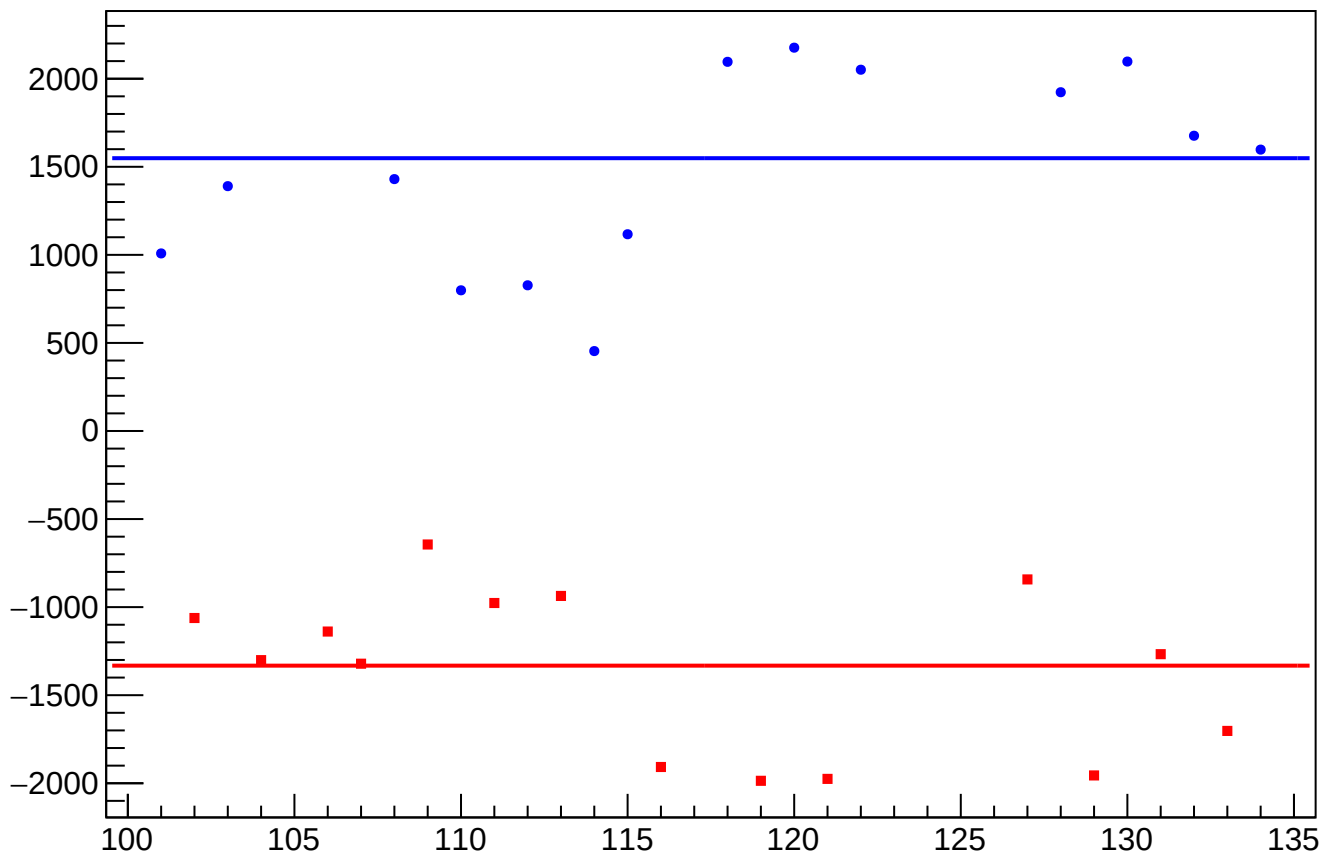
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

dit\_sam8\_coil3\_mean vs Slug, Sign Corrected



Right In: 1548.846+/-0.000  $\chi^2/\text{NDF}$ : 145555903930720895886262970024124743680.0/13

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

Right Out: -1332.292+/-0.000  $\chi^2/\text{NDF}$ : 122007471912126963018685599617732575232.0/13

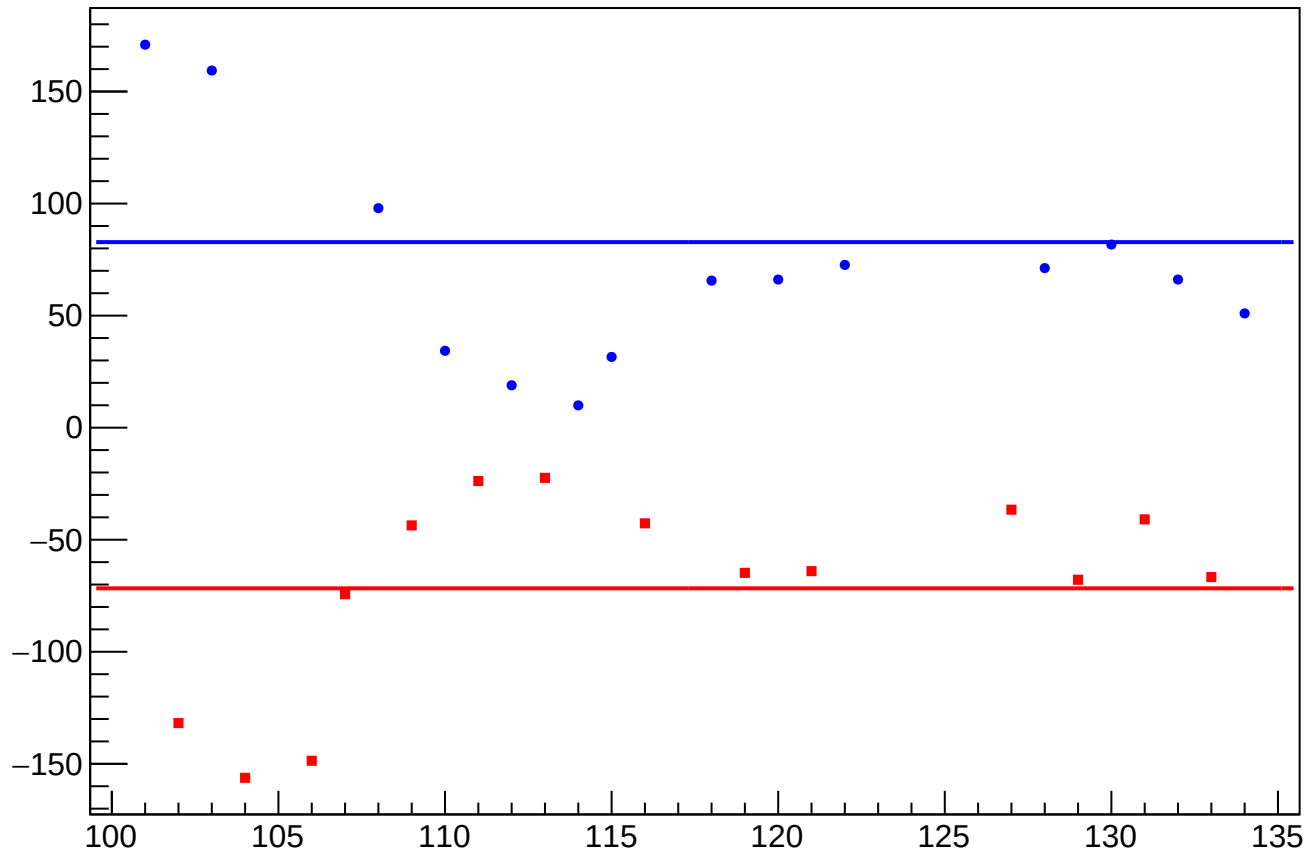
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1548.846+/-0.000  $\chi^2/\text{NDF}$ : 145555903930720895886262970024124743680.0/13

59.886+/-0.000  $\chi^2/\text{NDF}$ : 2674197189163

-1332.292+/-0.000  $\chi^2/\text{NDF}$ : 122007471912126963018685599617732575232.0/13

dit\_sam8\_coil3\_err\_mean vs Slug, Sign Corrected



Right In: 82.792+/-0.000  $\chi^2/\text{NDF}$ : 1263068463674085113741360729021218816.0/13

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

Right Out: -71.692+/-0.000  $\chi^2/\text{NDF}$ : 1128185456665475116209404563718930432.0/13

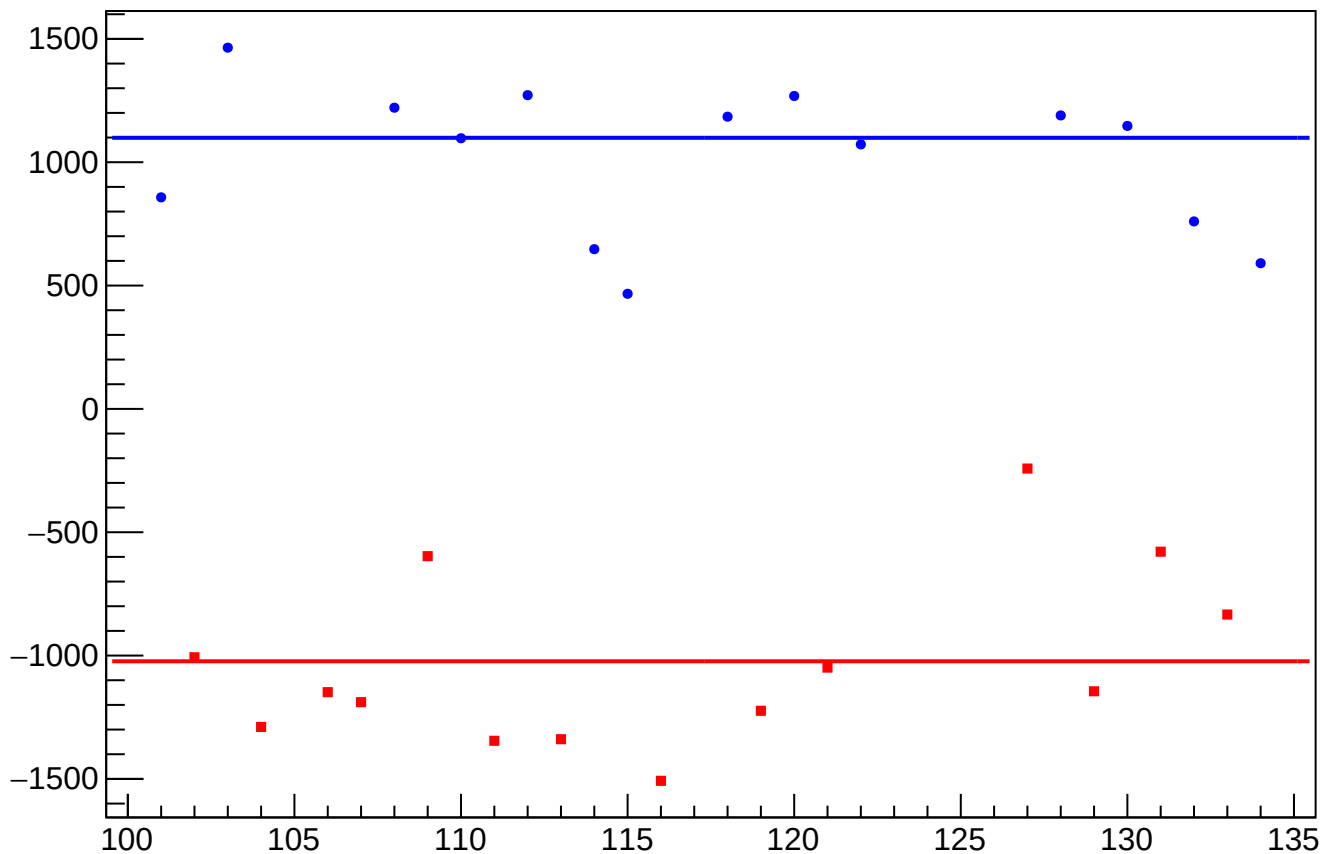
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

82.792+/-0.000  $\chi^2/\text{NDF}$ : 1263068463674085113741360729021218816.0/13

2.955+/-0.000  $\chi^2/\text{NDF}$ : 93103231682662

-71.692+/-0.000  $\chi^2/\text{NDF}$ : 1128185456665475116209404563718930432.0/13

dit\_sam8\_coil3\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

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

Right Out: -1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13

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

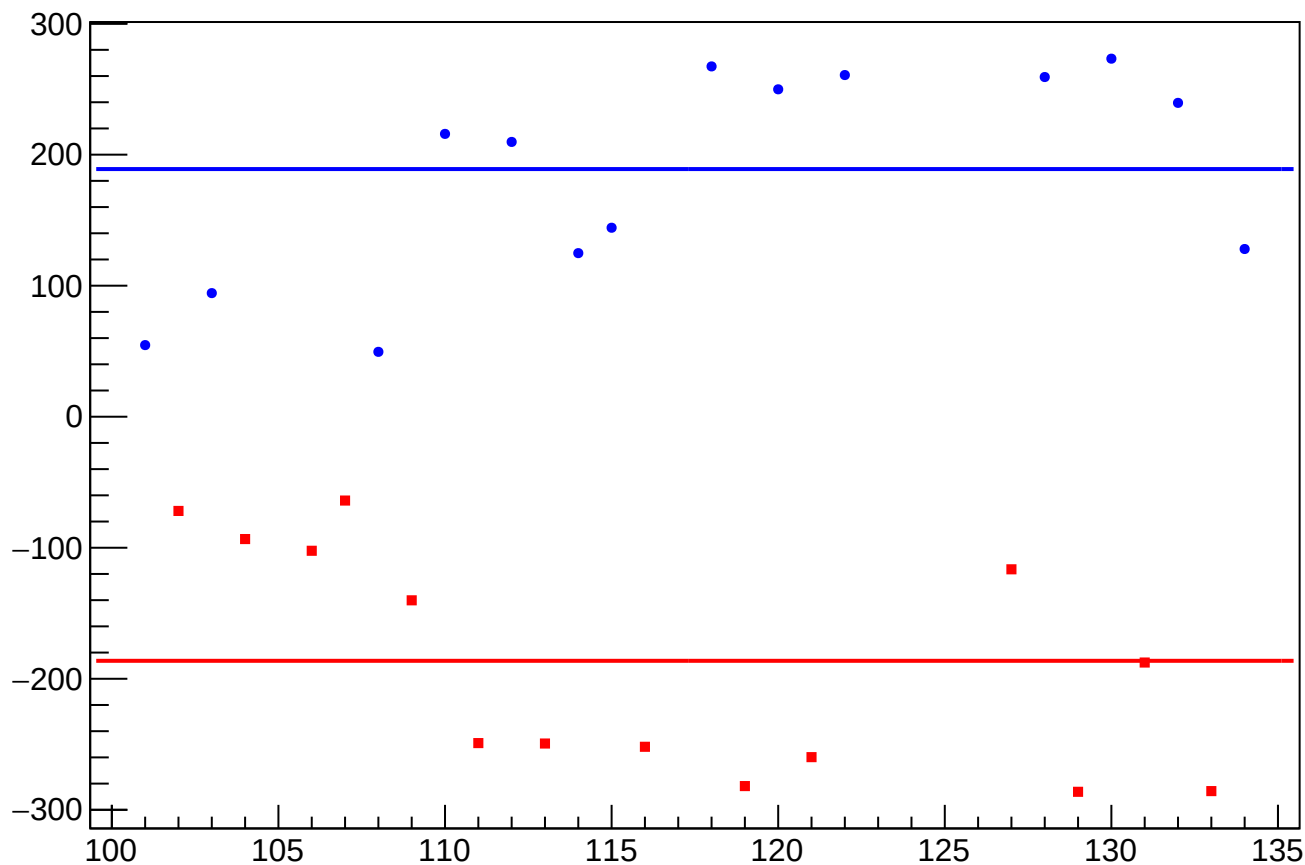
1099.052+/-0.000  $\chi^2/\text{NDF}$ : 32631941443788422348566517933821394944.0/13

2.321+/-0.000  $\chi^2/\text{NDF}$ : 14059974944186

-1023.122+/-0.000  $\chi^2/\text{NDF}$ : 67664937429609230381700307512220188672.0/13



dit\_4aX\_coil7\_mean vs Slug, Sign Corrected



Right In: 189.006+/-0.000  $\chi^2/\text{NDF}$ : 3936018202119865989843047927932518400.0/13

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

Right Out: -186.287+/-0.000  $\chi^2/\text{NDF}$ : 4274536171601739952391566601750577152.0/13

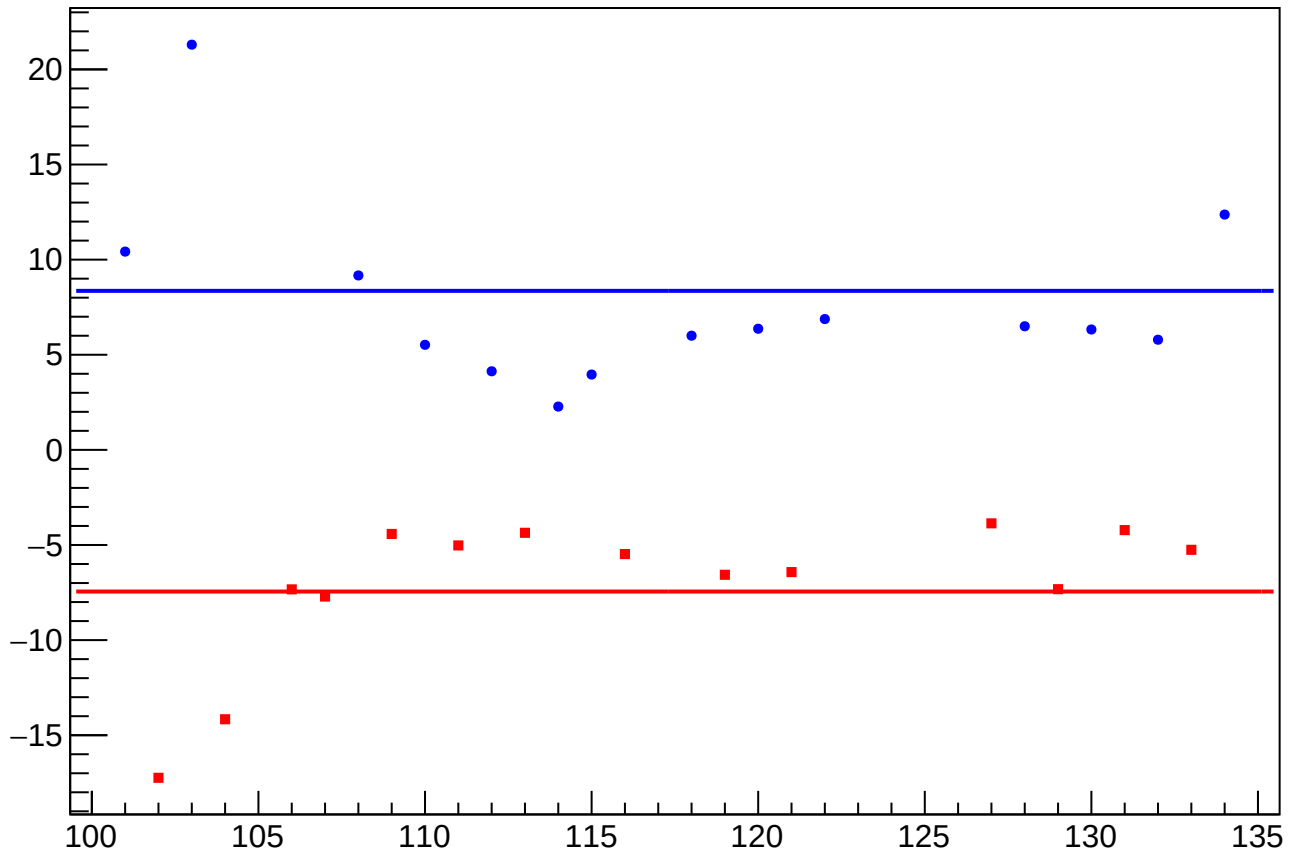
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

189.006+/-0.000  $\chi^2/\text{NDF}$ : 3936018202119865989843047927932518400.0/13

-4.944+/-0.000  $\chi^2/\text{NDF}$ : 4904451251213

-186.287+/-0.000  $\chi^2/\text{NDF}$ : 4274536171601739952391566601750577152.0/13

dit\_4aX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 8.359+/-0.000  $\chi^2/\text{NDF}$ : 13533345765610436467415734938501120.0/13

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

Right Out: -7.447+/-0.000  $\chi^2/\text{NDF}$ : 10365498563313707083048818575409152.0/13

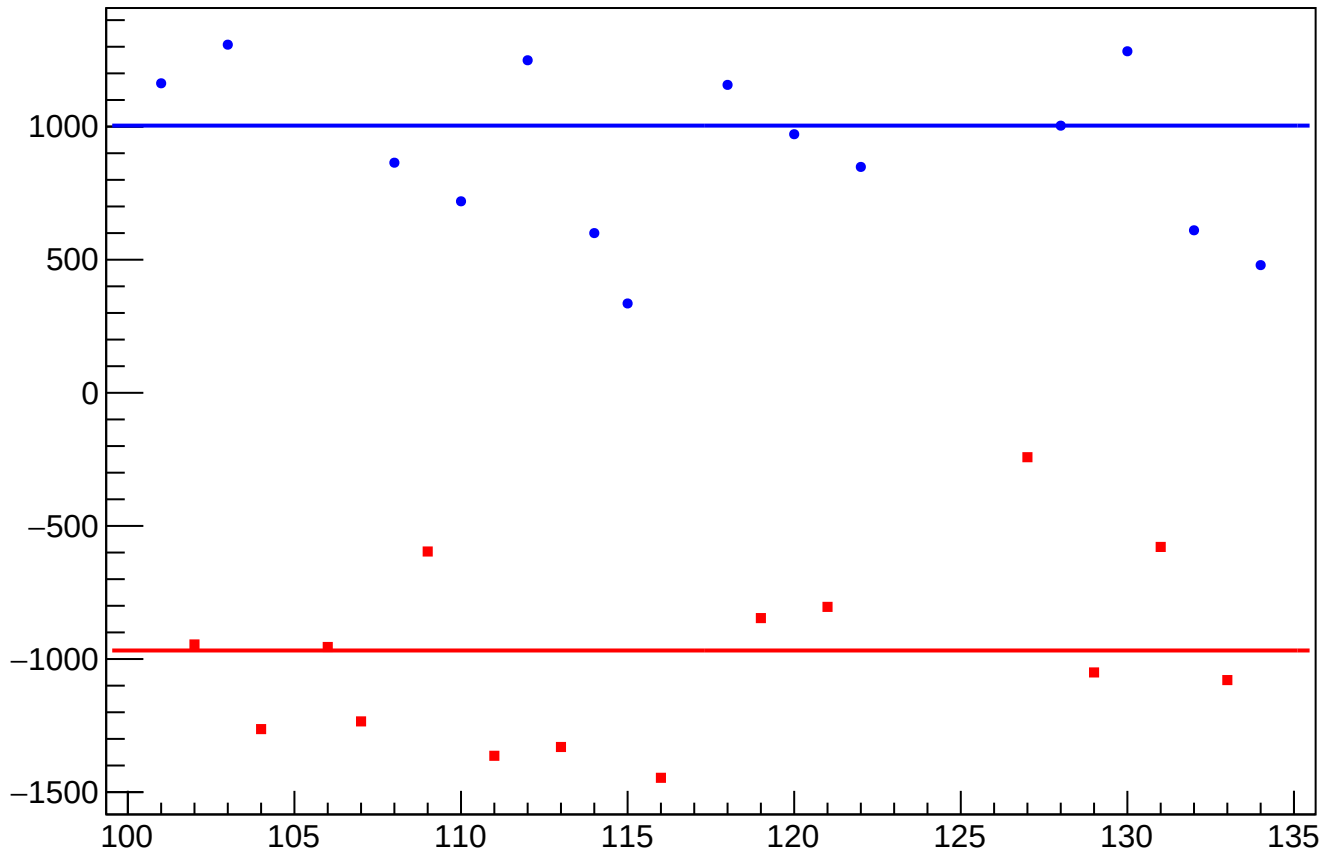
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

8.359+/-0.000  $\chi^2/\text{NDF}$ : 13533345765610436467415734938501120.0/13

0.191+/-0.000  $\chi^2/\text{NDF}$ : 96328035443284

-7.447+/-0.000  $\chi^2/\text{NDF}$ : 10365498563313707083048818575409152.0/13

dit\_4aX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

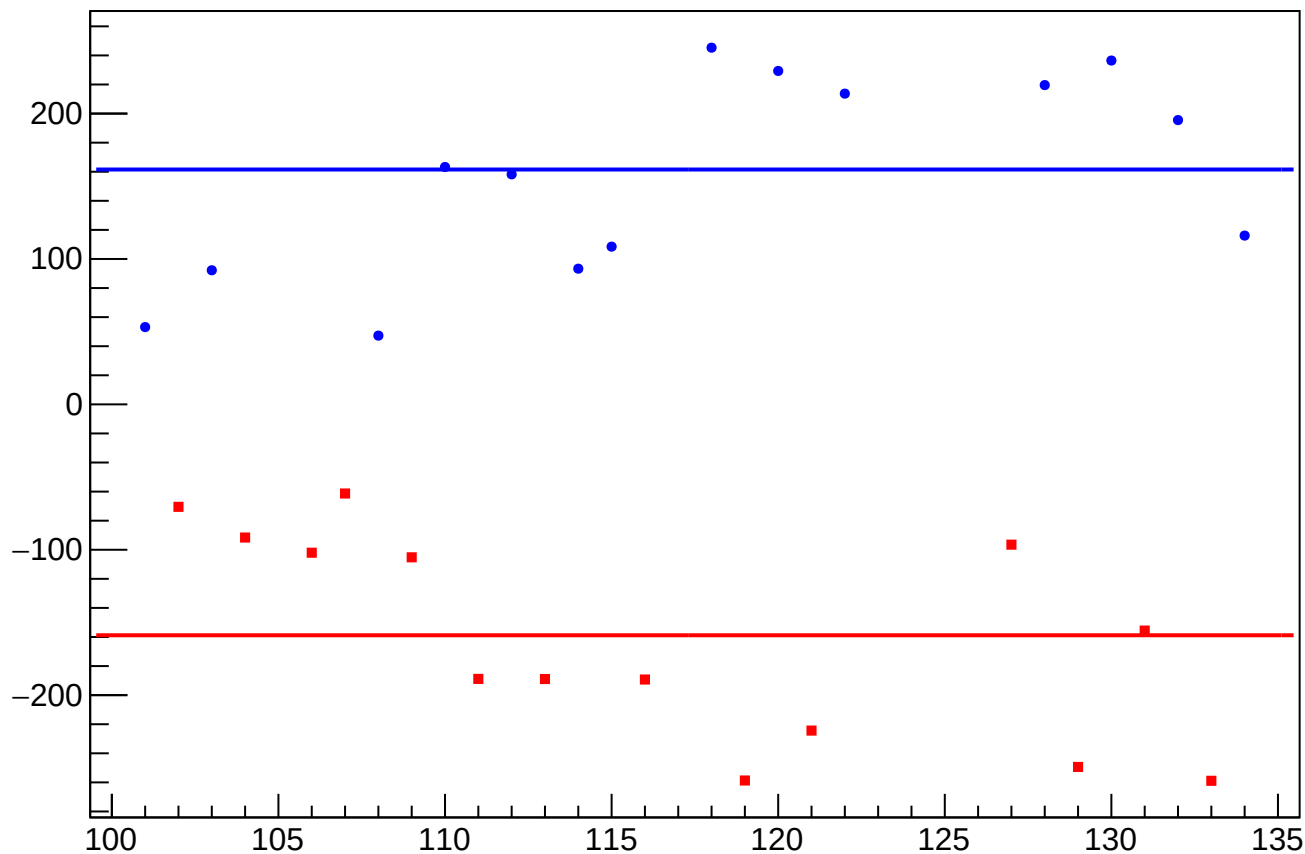
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

# dit\_4eX\_coil7\_mean vs Slug, Sign Corrected



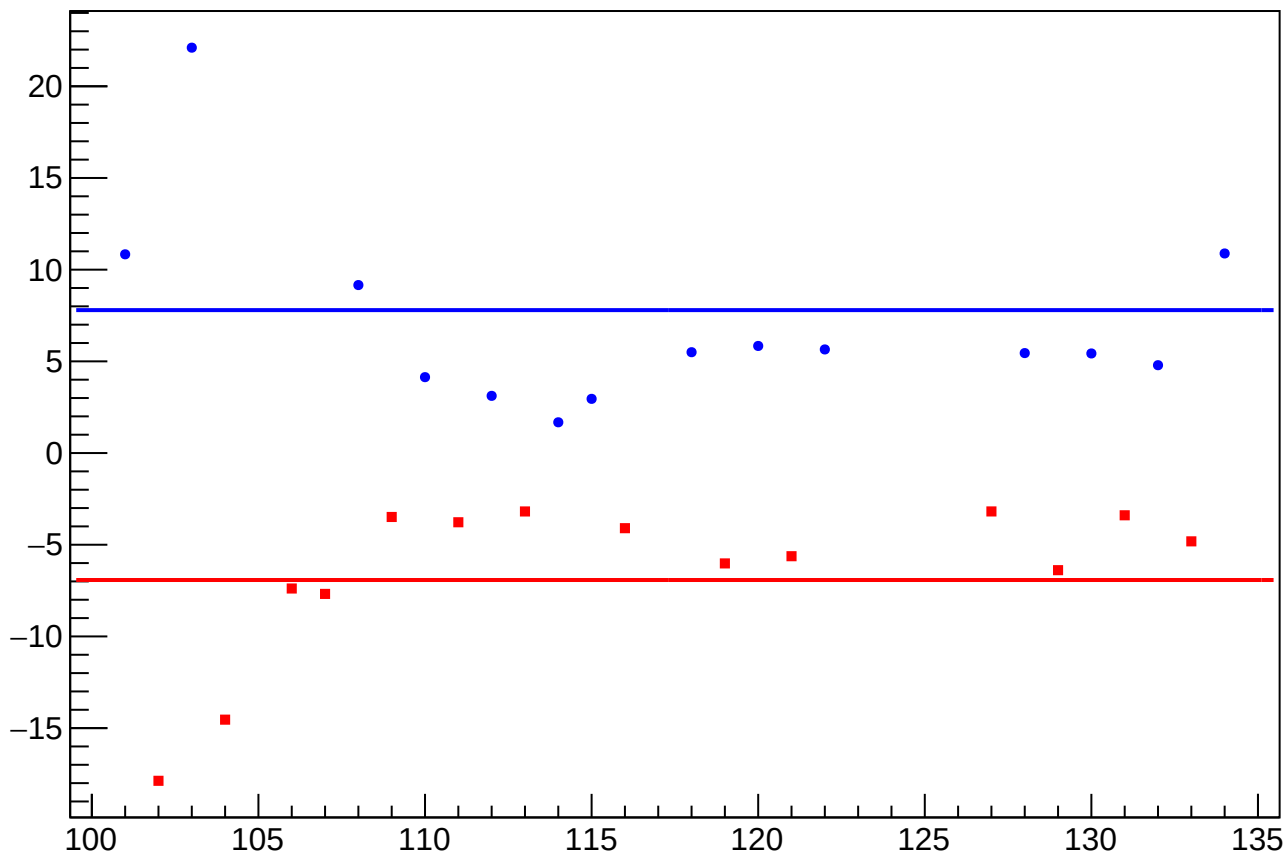
Right In: 161.529+/-0.000  $\chi^2/\text{NDF}$ : 2769708418580159090357884555035148288.0/13

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

Right Out: -158.806+/-0.000  $\chi^2/\text{NDF}$ : 3006309764601938686473925542635634688.0/13

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

dit\_4eX\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 7.794+/-0.000  $\chi^2/\text{NDF}$ : 16741744079473861740610328580849664.0/13

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

Right Out: -6.924+/-0.000  $\chi^2/\text{NDF}$ : 13213631276275167272058230780461056.0/13

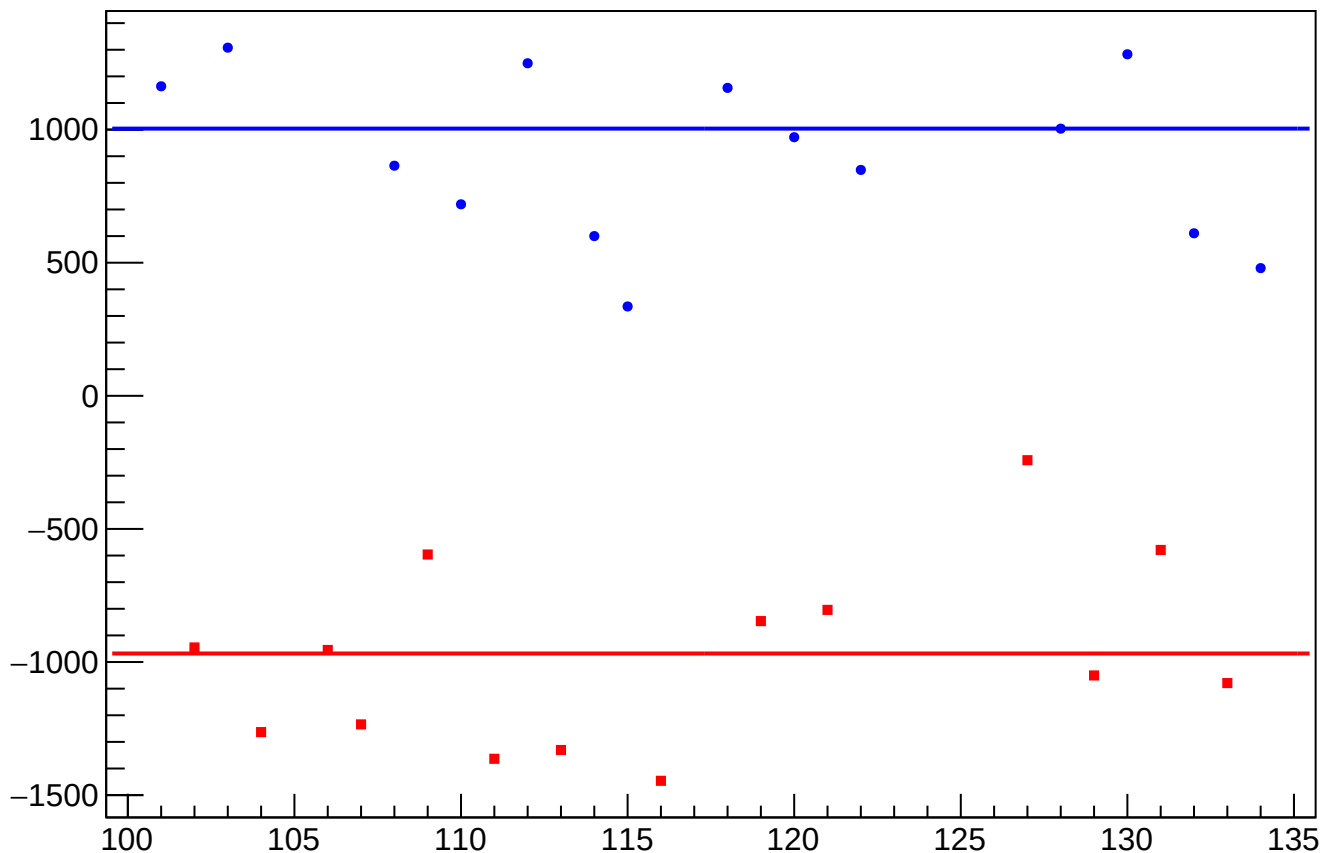
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

7.794+/-0.000  $\chi^2/\text{NDF}$ : 1674174407947386174

0.188+/-0.000  $\chi^2/\text{NDF}$ : 92755126933841

-6.924+/-0.000  $\chi^2/\text{NDF}$ : 132136312762751672

dit\_4eX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

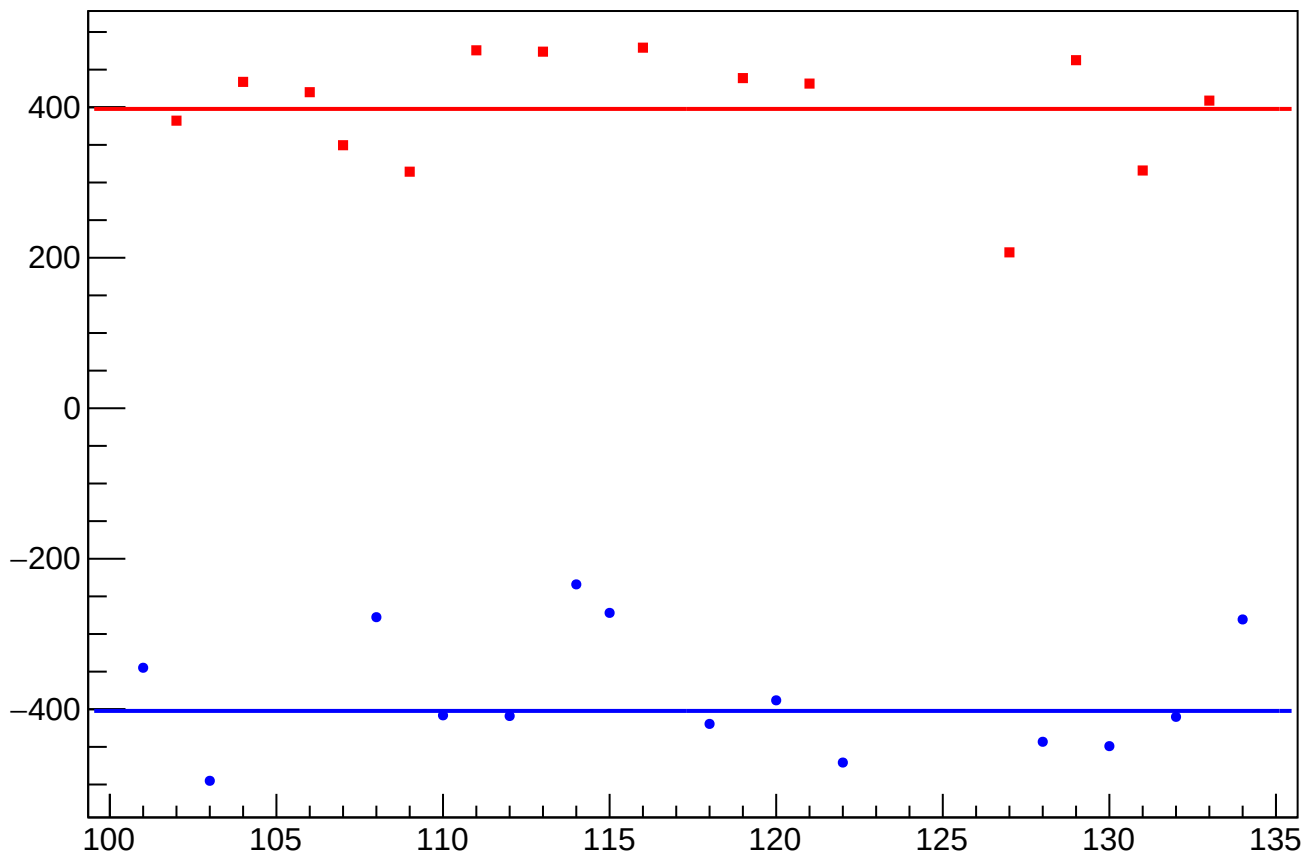
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

dit\_11X12X\_coil7\_mean vs Slug, Sign Corrected



Right In: -402.201+/-0.000  $\chi^2/\text{NDF}$ : 2574175112099518067709656012706283520.0/13

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

Right Out: 397.794+/-0.000  $\chi^2/\text{NDF}$ : 3369062043714715597646206152189411328.0/13

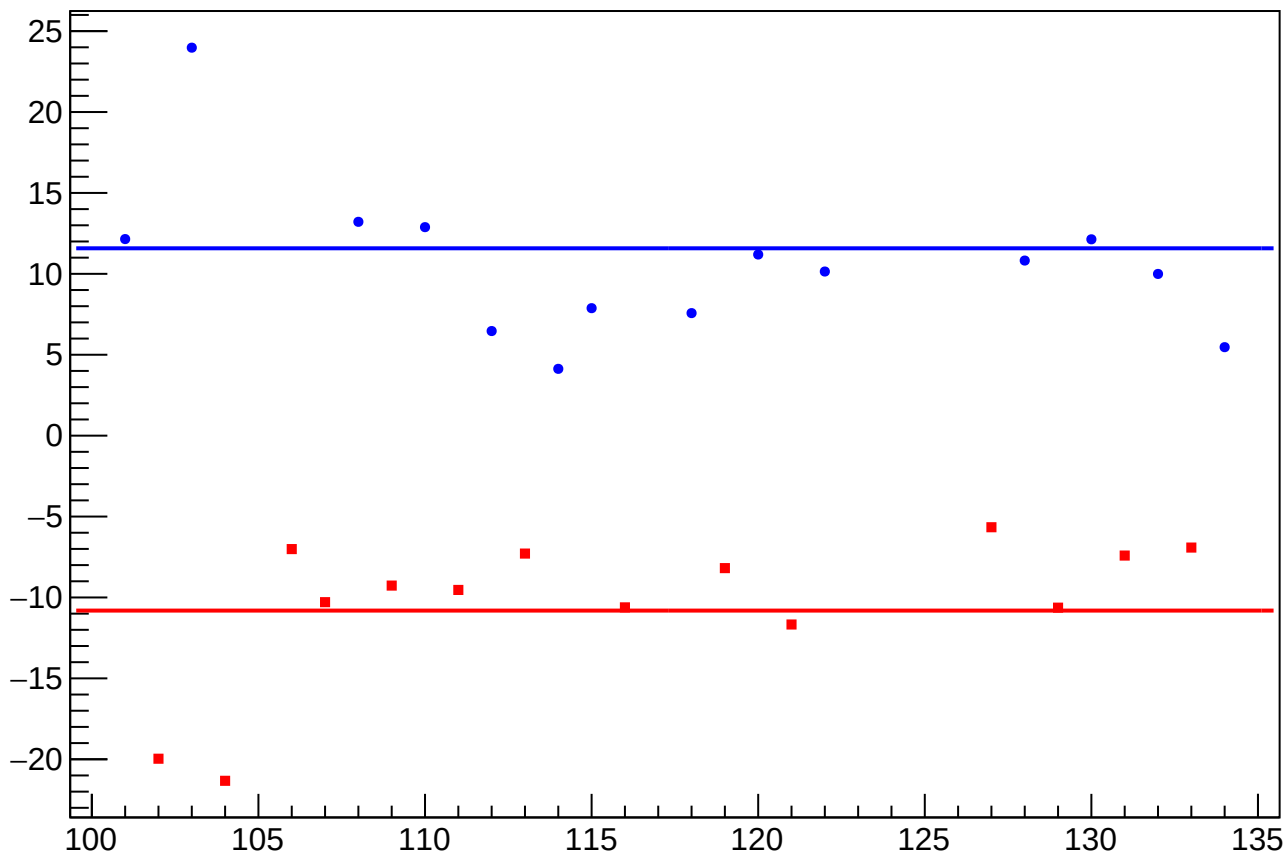
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-402.201+/-0.000  $\chi^2/\text{NDF}$ : 2574175112099518

11.233+/-0.000  $\chi^2/\text{NDF}$ : 1914914662210

397.794+/-0.000  $\chi^2/\text{NDF}$ : 33690620437147155

dit\_11X12X\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 11.578+/-0.000  $\chi^2/\text{NDF}$ : 13244218352198816905750115229106176.0/13

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

Right Out: -10.811+/-0.000  $\chi^2/\text{NDF}$ : 14348238057301802106134772104298496.0/13

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

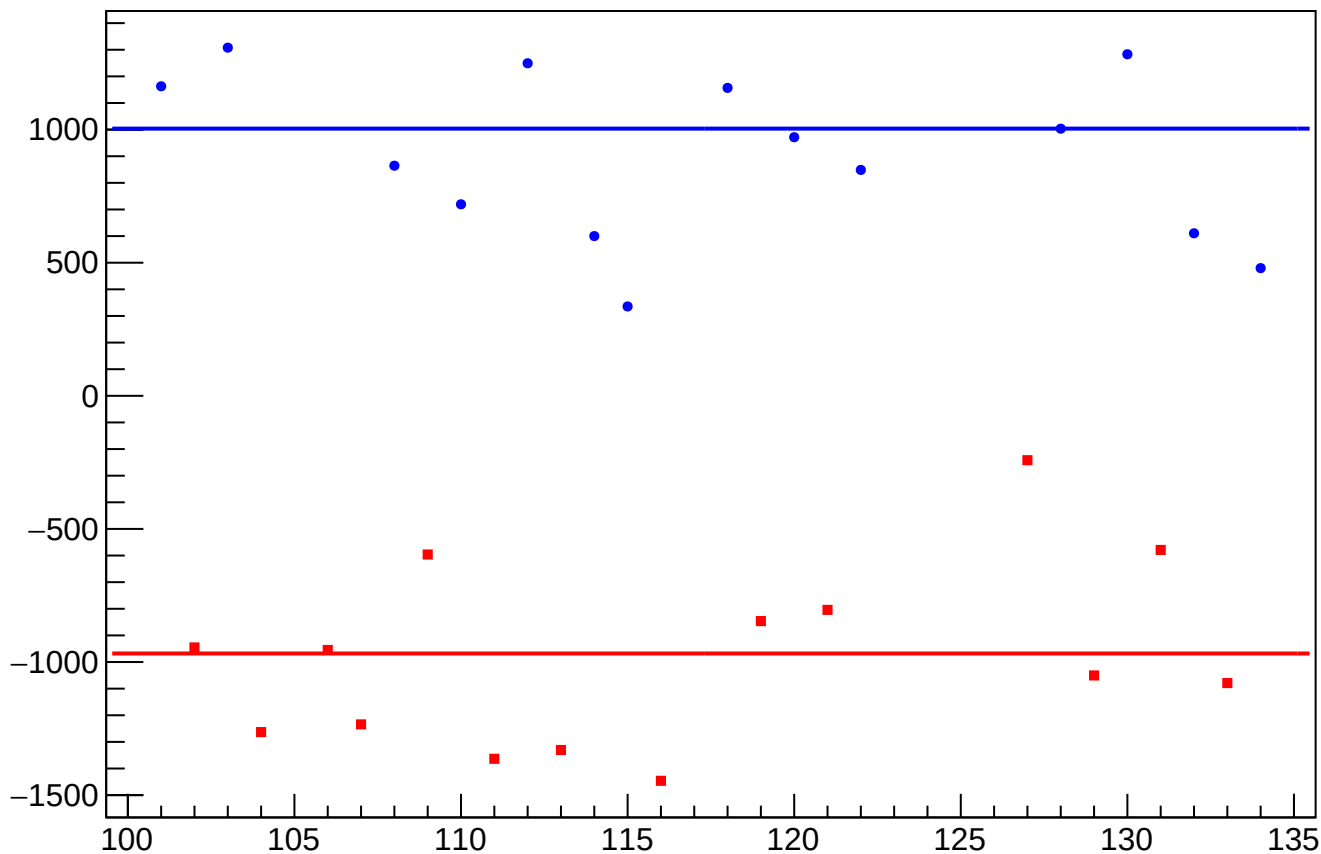
11.578+/-0.000  $\chi^2/\text{NDF}$ : 13244218352198816905750115229106176.0/13

0.008+/-0.000  $\chi^2/\text{NDF}$ : 17292678717917

-10.811+/-0.000  $\chi^2/\text{NDF}$ : 14348238057301802106134772104298496.0/13



dit\_11X12X\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

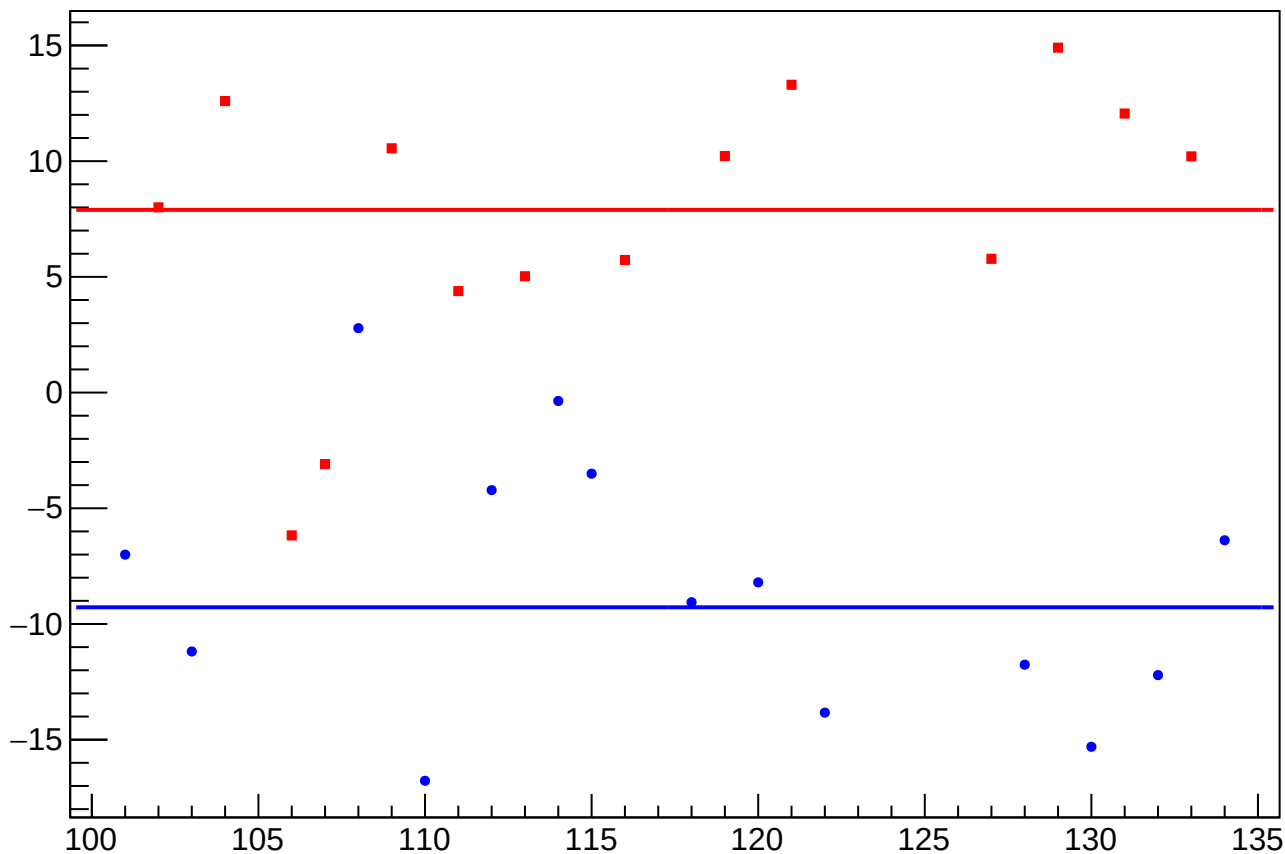
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

# dit\_4aY\_coil7\_mean vs Slug, Sign Corrected



Right In: -9.279+/-0.000  $\chi^2/\text{NDF}$ : 14323572247442781052683995089731584.0/13

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

Right Out: 7.896+/-0.000  $\chi^2/\text{NDF}$ : 17574136927563421813375453513121792.0/13

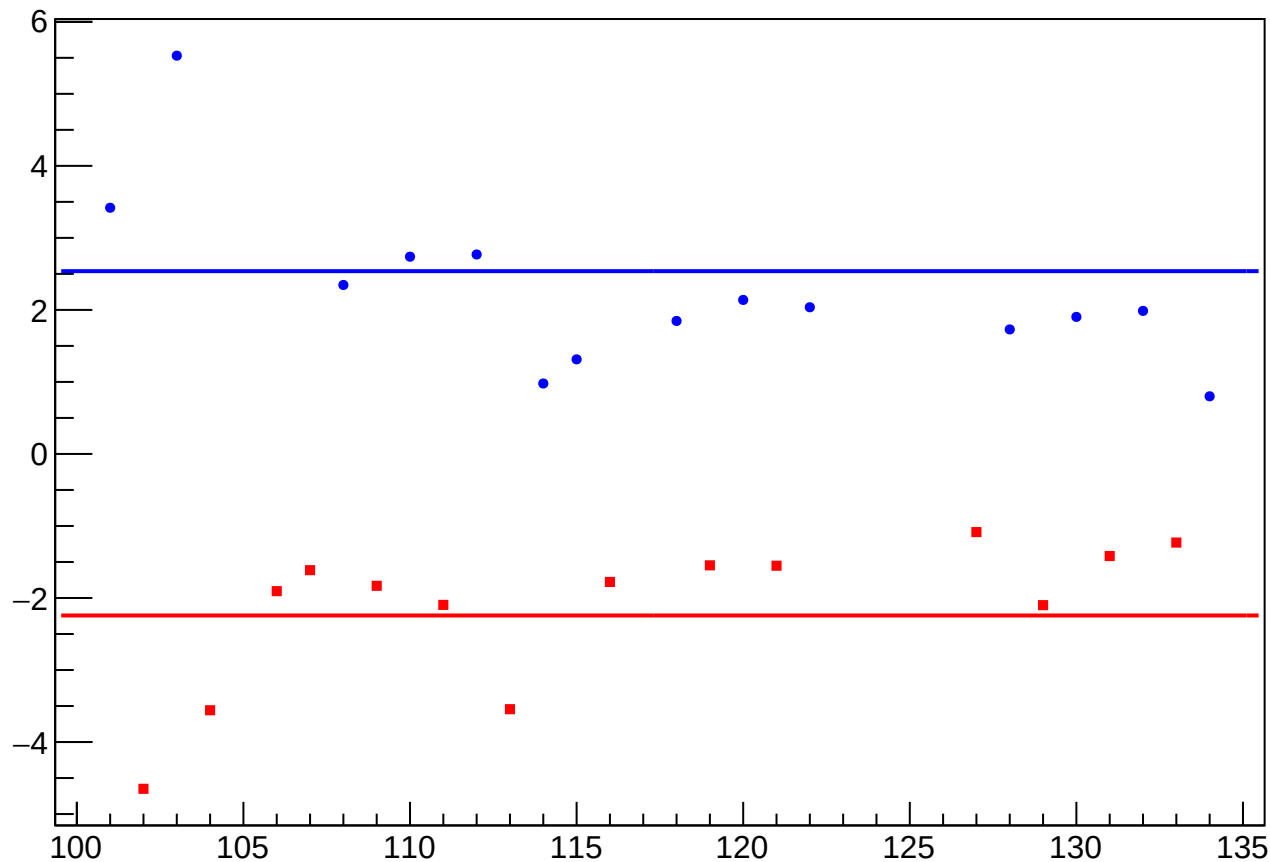
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-9.279+/-0.000  $\chi^2/\text{NDF}$ : 143235722474427810

-0.403+/-0.000  $\chi^2/\text{NDF}$ : 11742178530100

7.896+/-0.000  $\chi^2/\text{NDF}$ : 1757413692756342181

dit\_4aY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 2.538+/-0.000  $\chi^2/\text{NDF}$ : 799613253459448977154707566886912.0/13

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

Right Out: -2.243+/-0.000  $\chi^2/\text{NDF}$ : 707461357716021123632225174159360.0/13

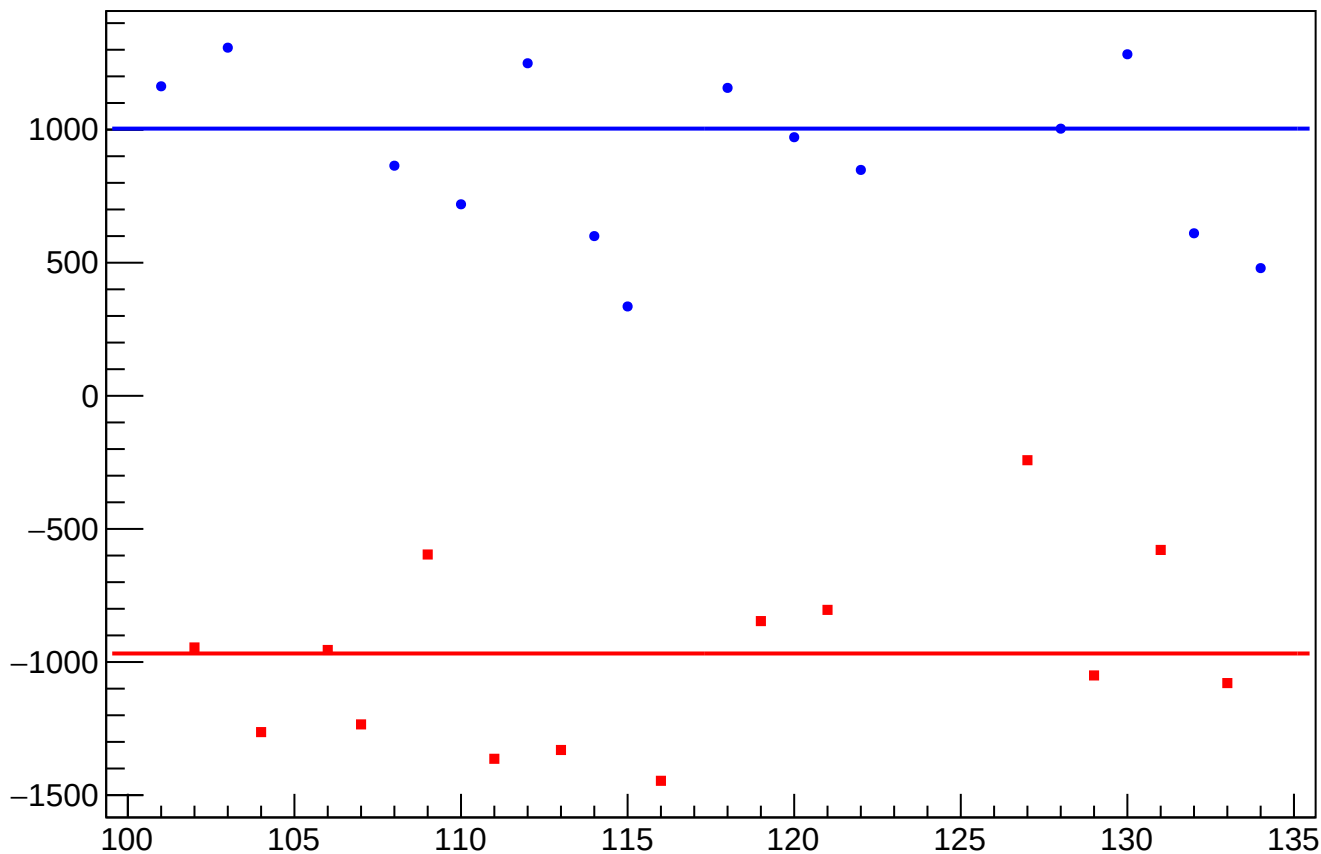
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.538+/-0.000  $\chi^2/\text{NDF}$ : 7996132534594489771

0.067+/-0.000  $\chi^2/\text{NDF}$ : 81337633821080

-2.243+/-0.000  $\chi^2/\text{NDF}$ : 707461357716021123

dit\_4aY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

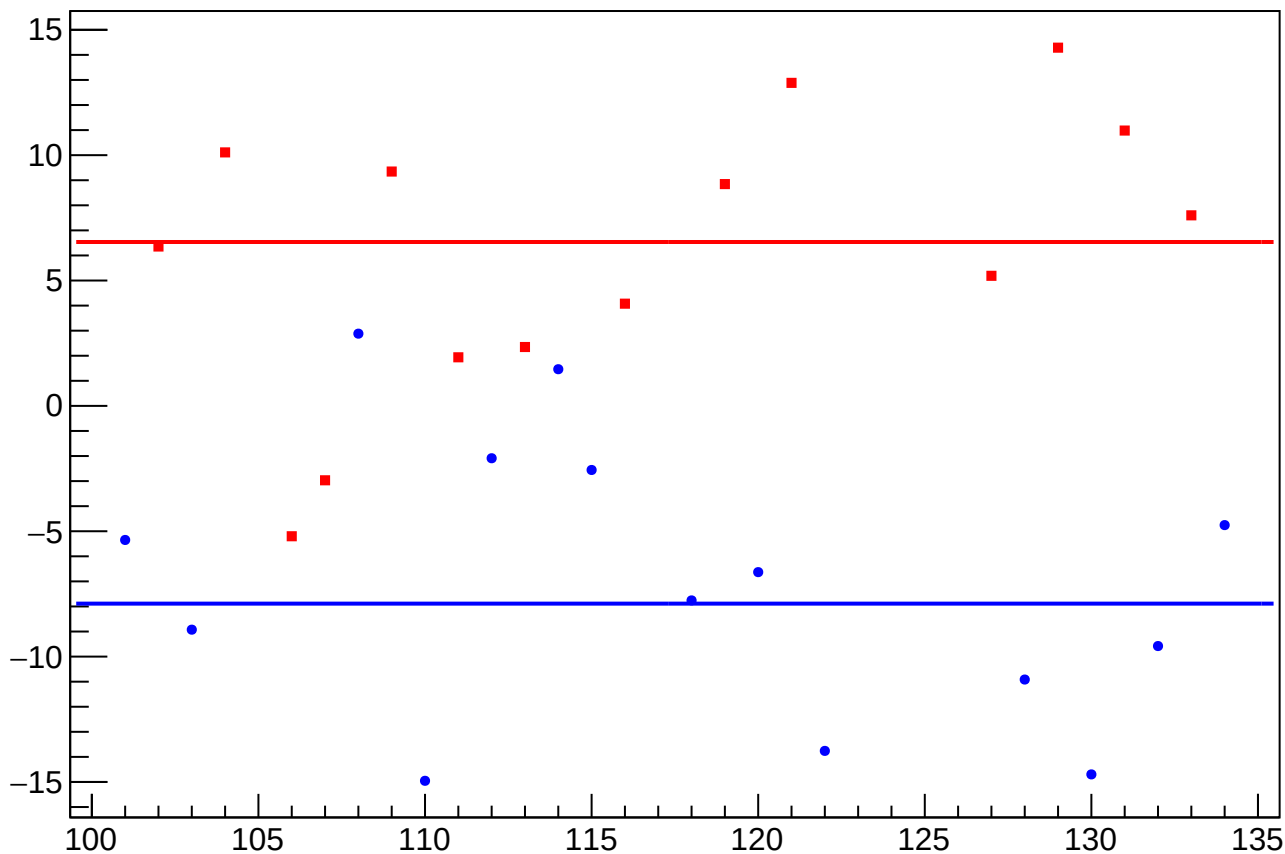
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

# dit\_4eY\_coil7\_mean vs Slug, Sign Corrected



Right In: -7.887+/-0.000  $\chi^2/\text{NDF}$ : 14414290937644510950767718603685888.0/13

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

Right Out: 6.537+/-0.000  $\chi^2/\text{NDF}$ : 15722768726329302694381073729585152.0/13

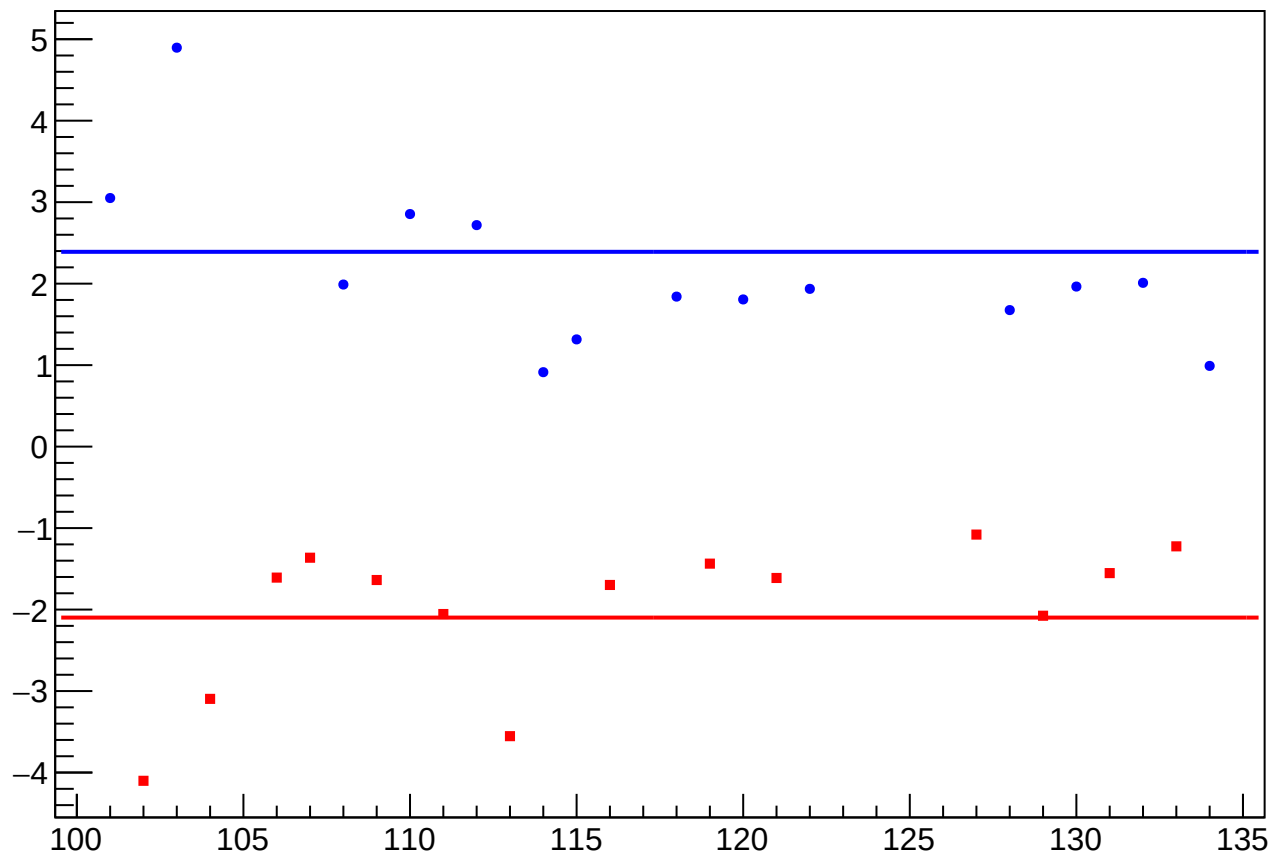
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-7.887+/-0.000  $\chi^2/\text{NDF}$ : 144142909376445109

-0.433+/-0.000  $\chi^2/\text{NDF}$ : 9045516406979

6.537+/-0.000  $\chi^2/\text{NDF}$ : 1572276872632930269

dit\_4eY\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 2.391+/-0.000  $\chi^2/\text{NDF}$ : 575466550554872551558248841347072.0/13

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

Right Out: -2.098+/-0.000  $\chi^2/\text{NDF}$ : 543723119173491195647510056009728.0/13

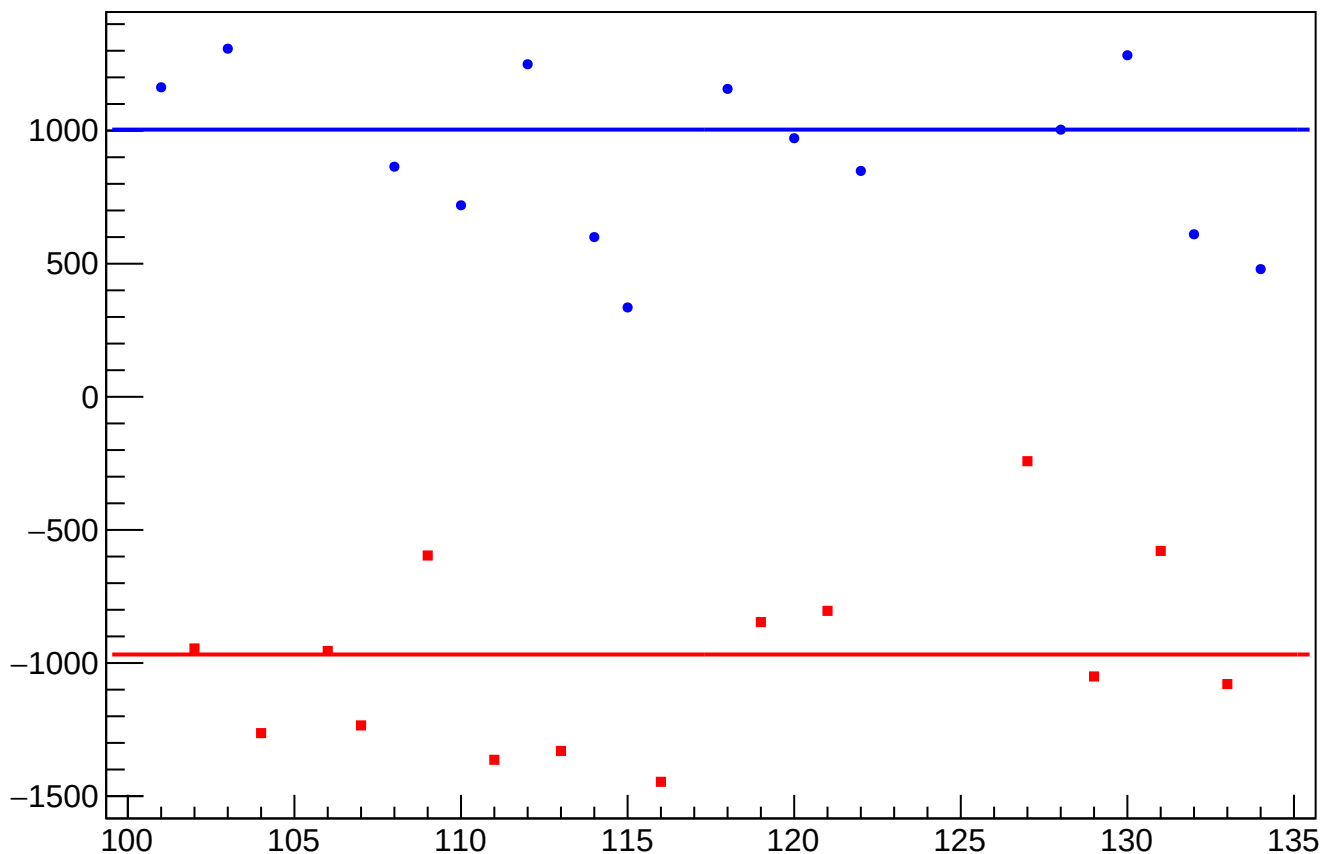
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.391+/-0.000  $\chi^2/\text{NDF}$ : 5754665505548725515

0.071+/-0.000  $\chi^2/\text{NDF}$ : 69612302723481

-2.098+/-0.000  $\chi^2/\text{NDF}$ : 543723119173491195

dit\_4eY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

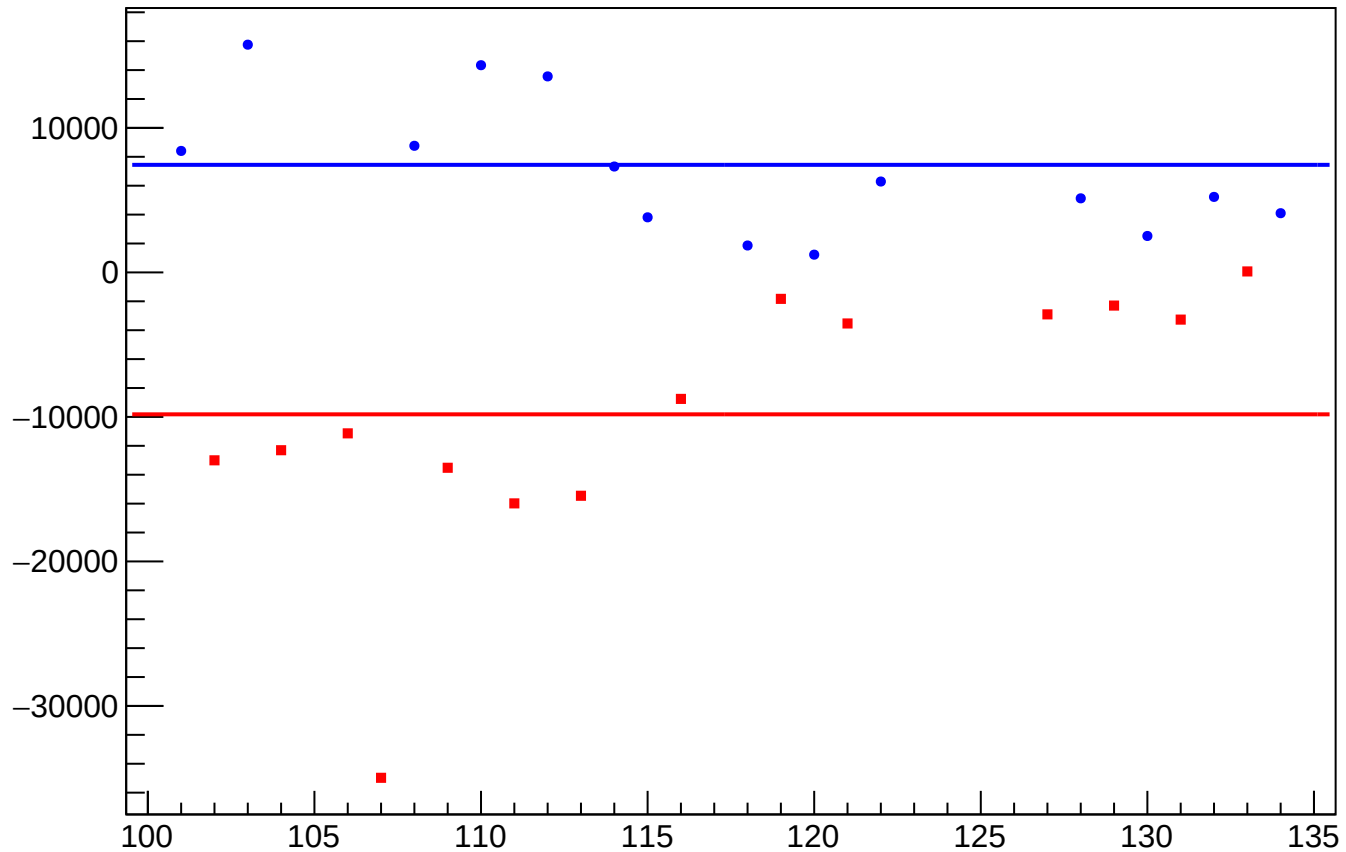
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

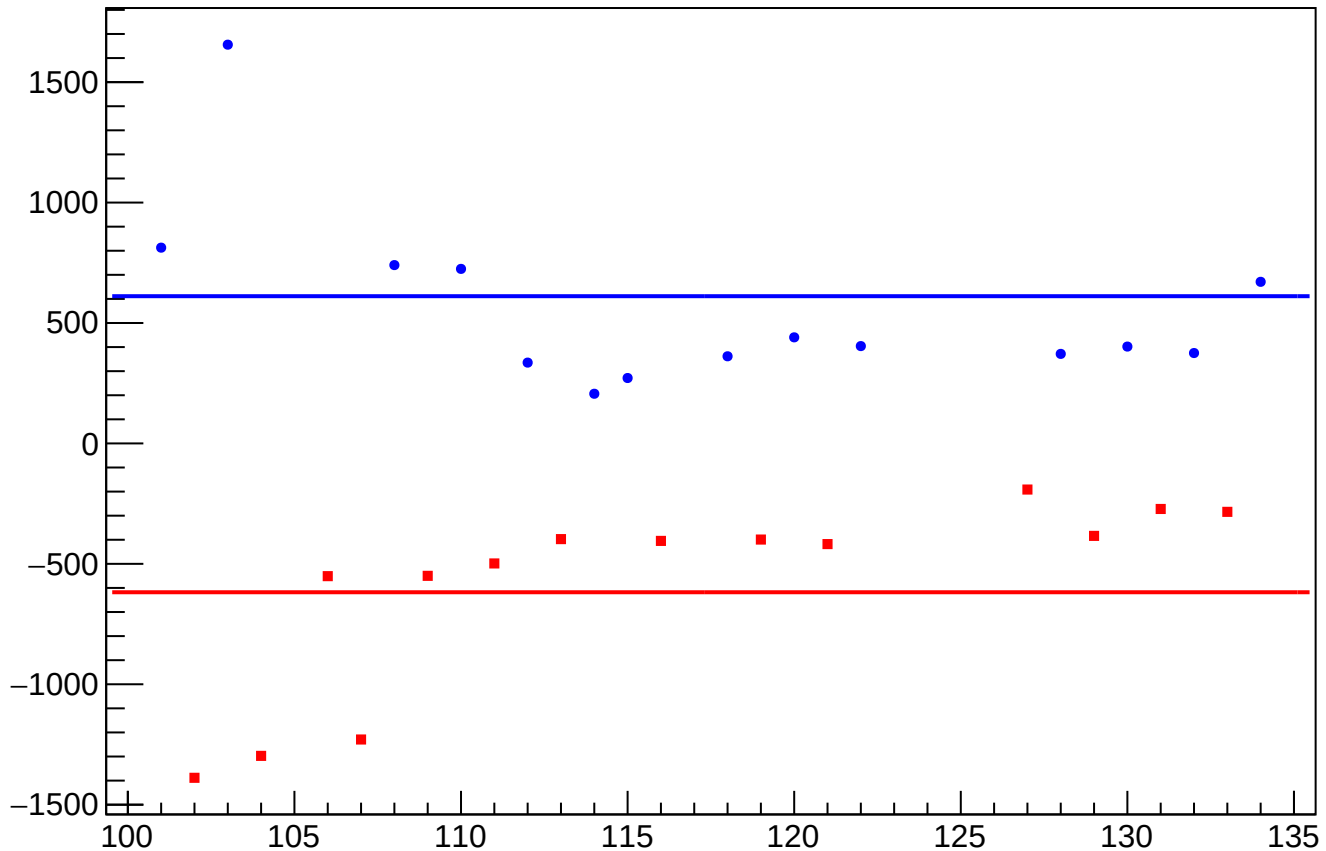
dit\_usl\_coil7\_mean vs Slug, Sign Corrected



Right In: 7442.875+/-0.000  $\chi^2/\text{NDF}$ : 12927864790907428804233765757522412568576.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -9821.317+/-0.000  $\chi^2/\text{NDF}$ : 42722661000139643169940933430216182726656.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_usl\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 611.280+/-0.000  $\chi^2/\text{NDF}$ : 88718379680556843753614015404603080704.0/13

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

Right Out: -617.948+/-0.000  $\chi^2/\text{NDF}$ : 99348619866203939150969599158275538944.0/13

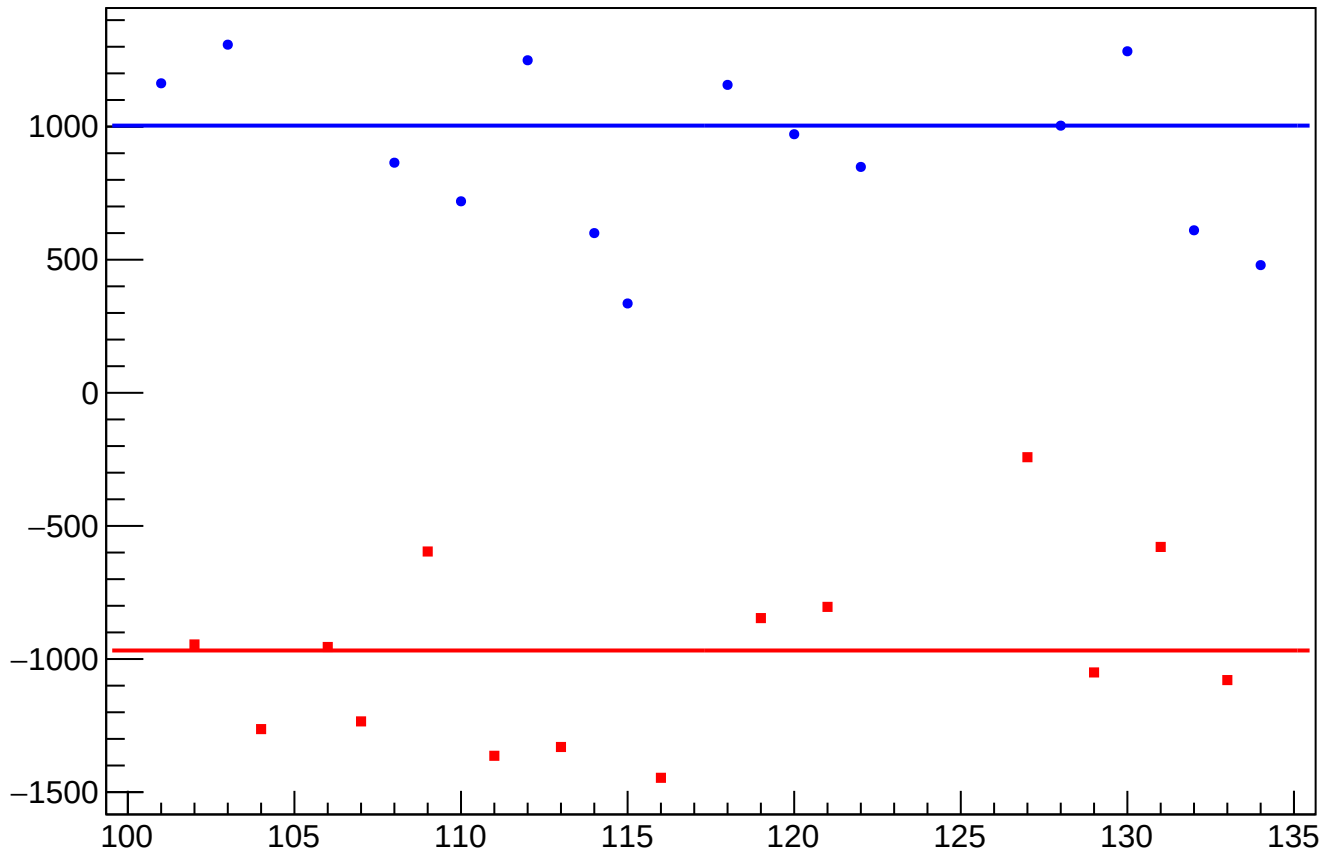
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

611.280+/-0.000  $\chi^2/\text{NDF}$ : 88718379680556843753614015404603080704.0/13

-23.980+/-0.000  $\chi^2/\text{NDF}$ : 6261405036080.0/13

-617.948+/-0.000  $\chi^2/\text{NDF}$ : 99348619866203939150969599158275538944.0/13

dit\_usl\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

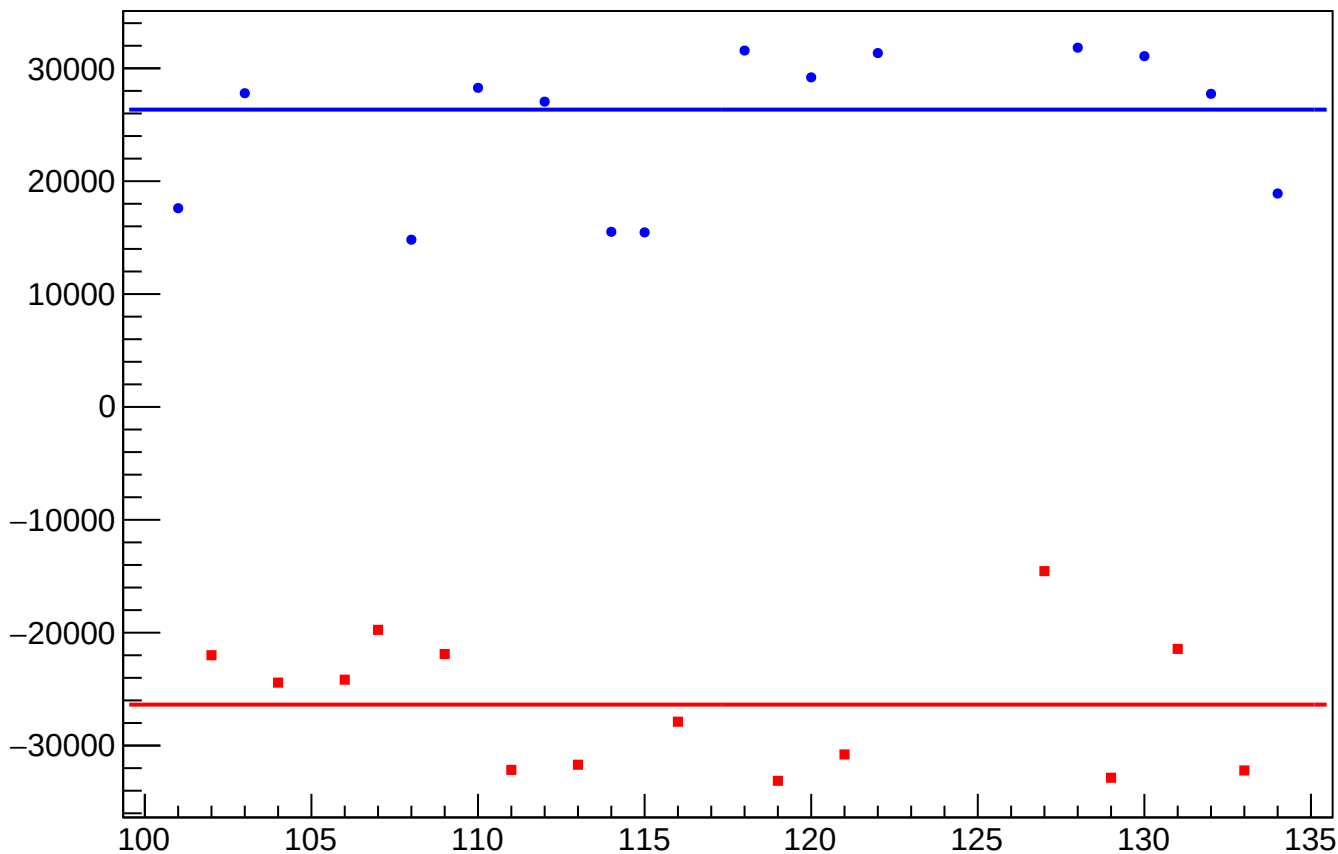
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 3916430228405197

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562

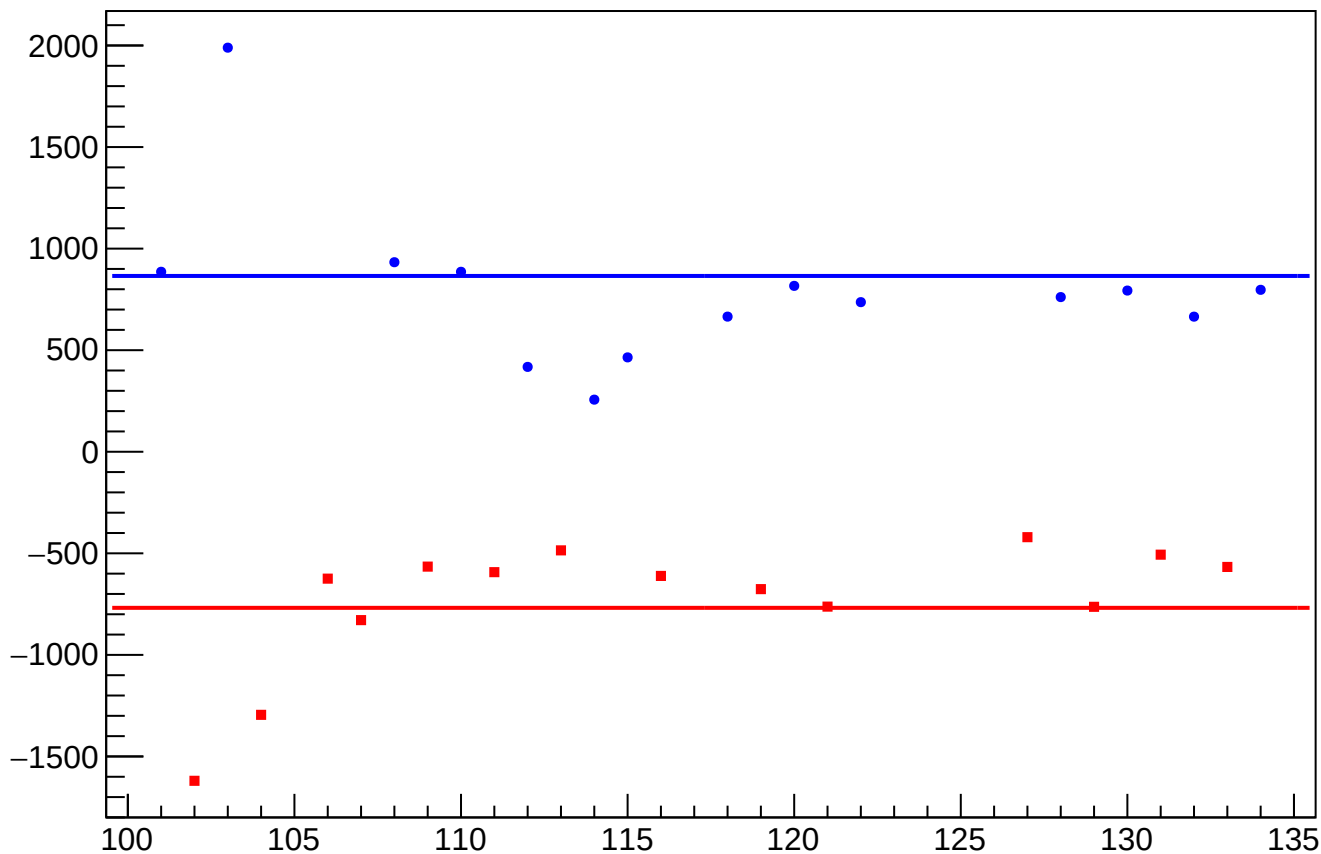
-967.922+/-0.000  $\chi^2/\text{NDF}$ : 6401574751127801

dit\_usr\_coil7\_mean vs Slug, Sign Corrected



Right In: 26340.966 $\pm$ 0.000  $\chi^2$ /NDF: 19448514665148067028232850915417883934720.0/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: -26371.837 $\pm$ 0.000  $\chi^2$ /NDF: 20190198952594057194918583780054663168000.0/13  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

dit\_usr\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 865.490+/-0.000  $\chi^2/\text{NDF}$ : 96536245833394605785251487397546295296.0/13

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

Right Out: -768.360+/-0.000  $\chi^2/\text{NDF}$ : 74745436206125911450493450198062202880.0/13

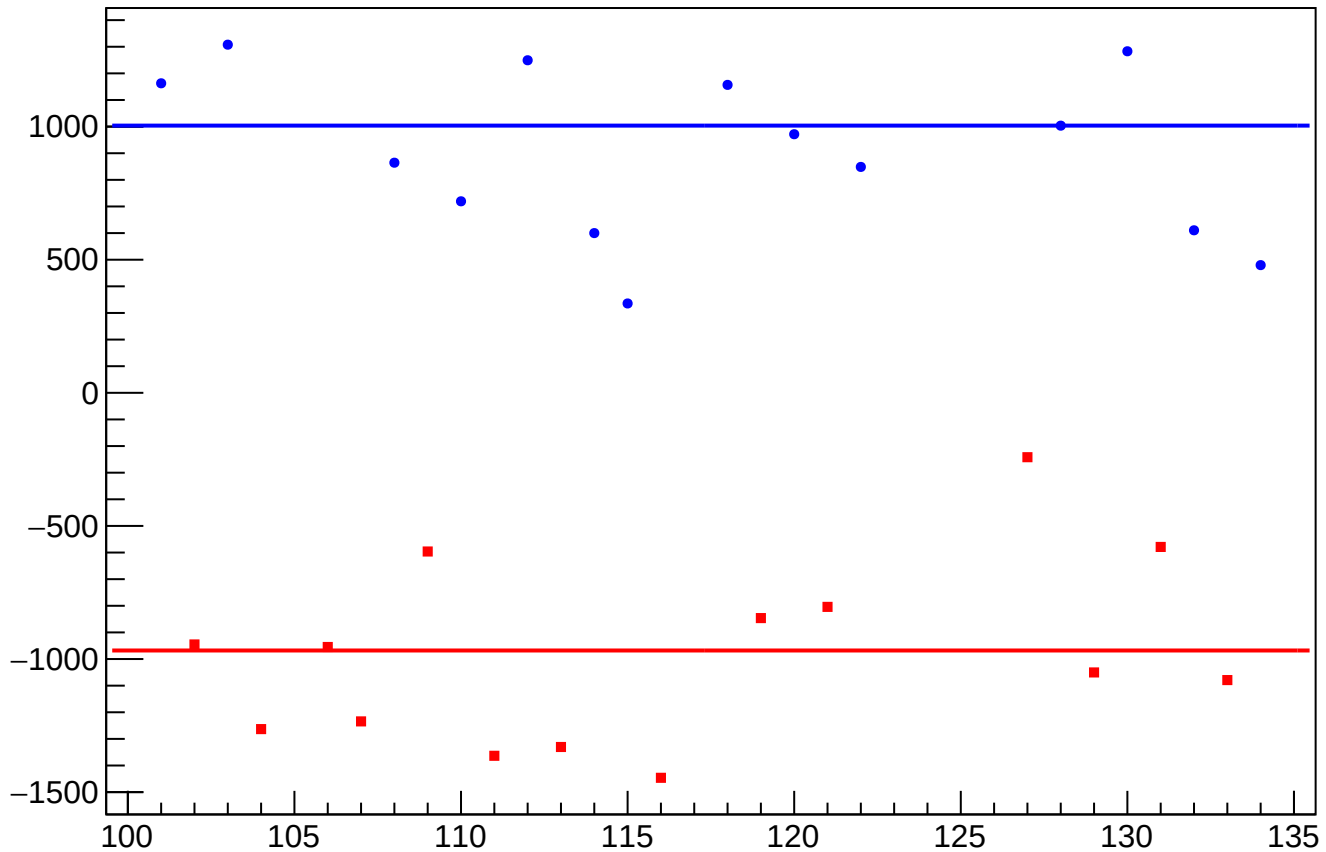
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

865.490+/-0.000  $\chi^2/\text{NDF}$ : 96536245833394605785251487397546295296.0/13

21.123+/-0.000  $\chi^2/\text{NDF}$ : 9452197412823

-768.360+/-0.000  $\chi^2/\text{NDF}$ : 74745436206125911450493450198062202880.0/13

dit\_usr\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

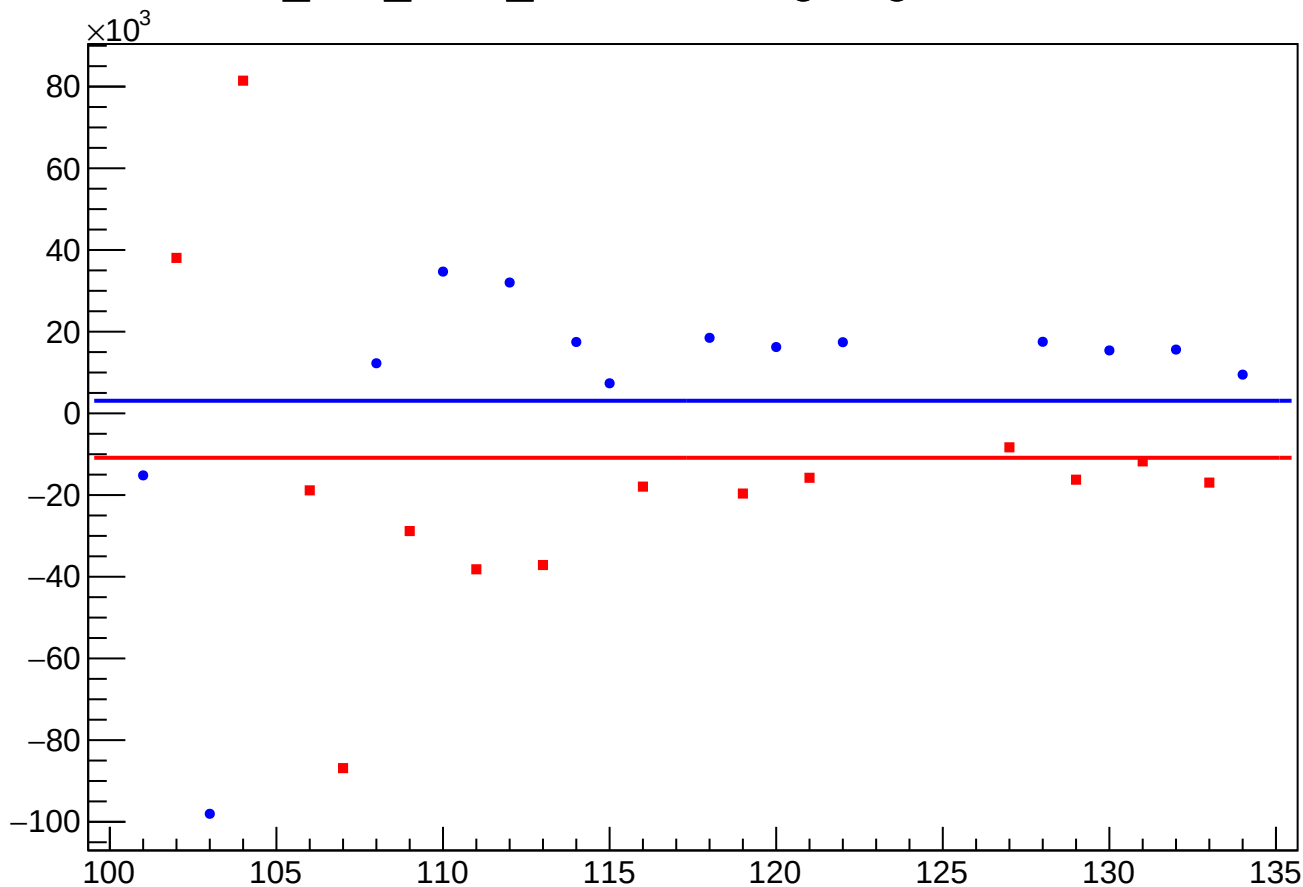
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 3916430228405197

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562

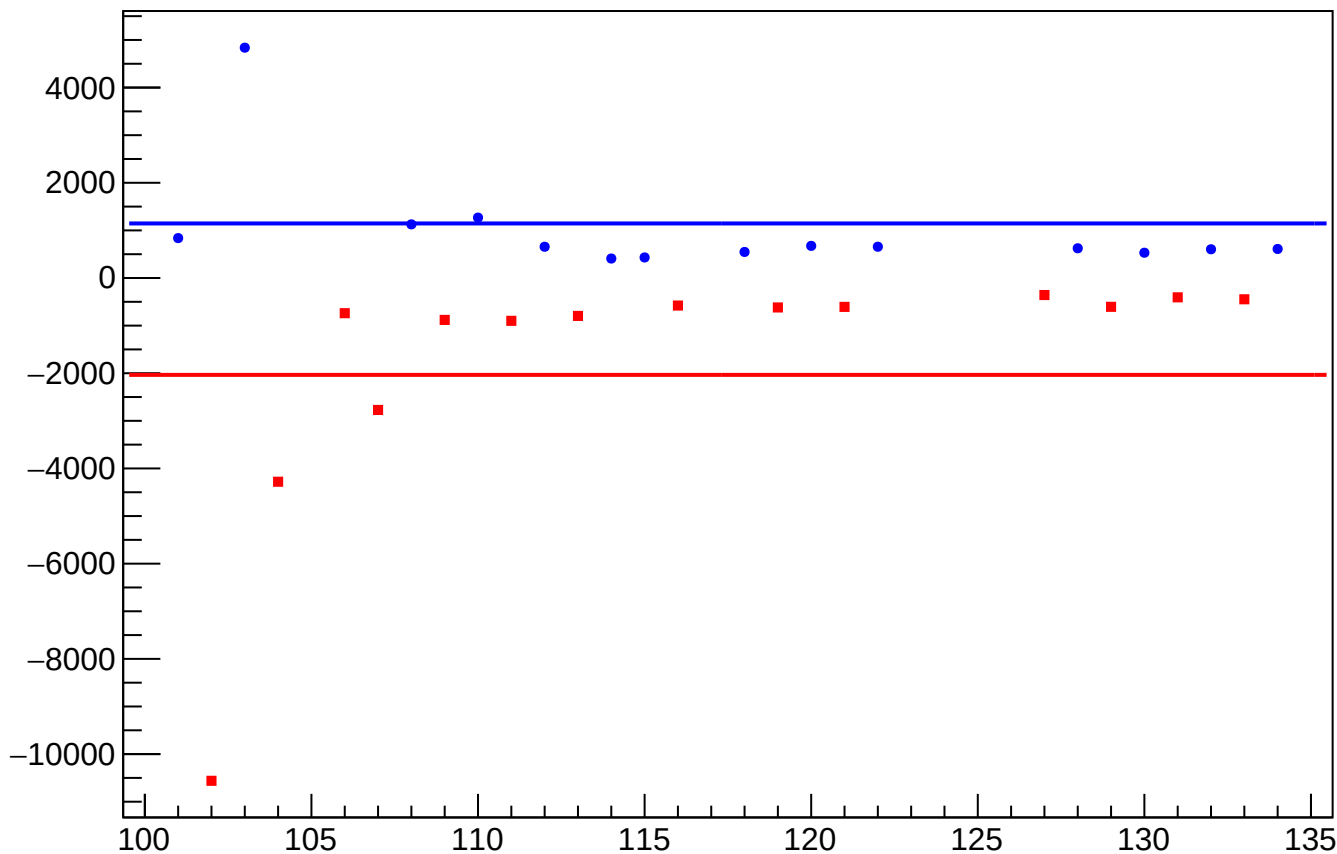
-967.922+/-0.000  $\chi^2/\text{NDF}$ : 6401574751127801

# dit\_atl1\_coil7\_mean vs Slug, Sign Corrected



Right In: 3085.709+/-0.000  $\chi^2/\text{NDF}$ : 759049116683054249206186562989758970068992.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -10872.671+/-0.000  $\chi^2/\text{NDF}$ : 873645413778521496773179323655215472705536.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil7\_err\_mean vs Slug, Sign Corrected



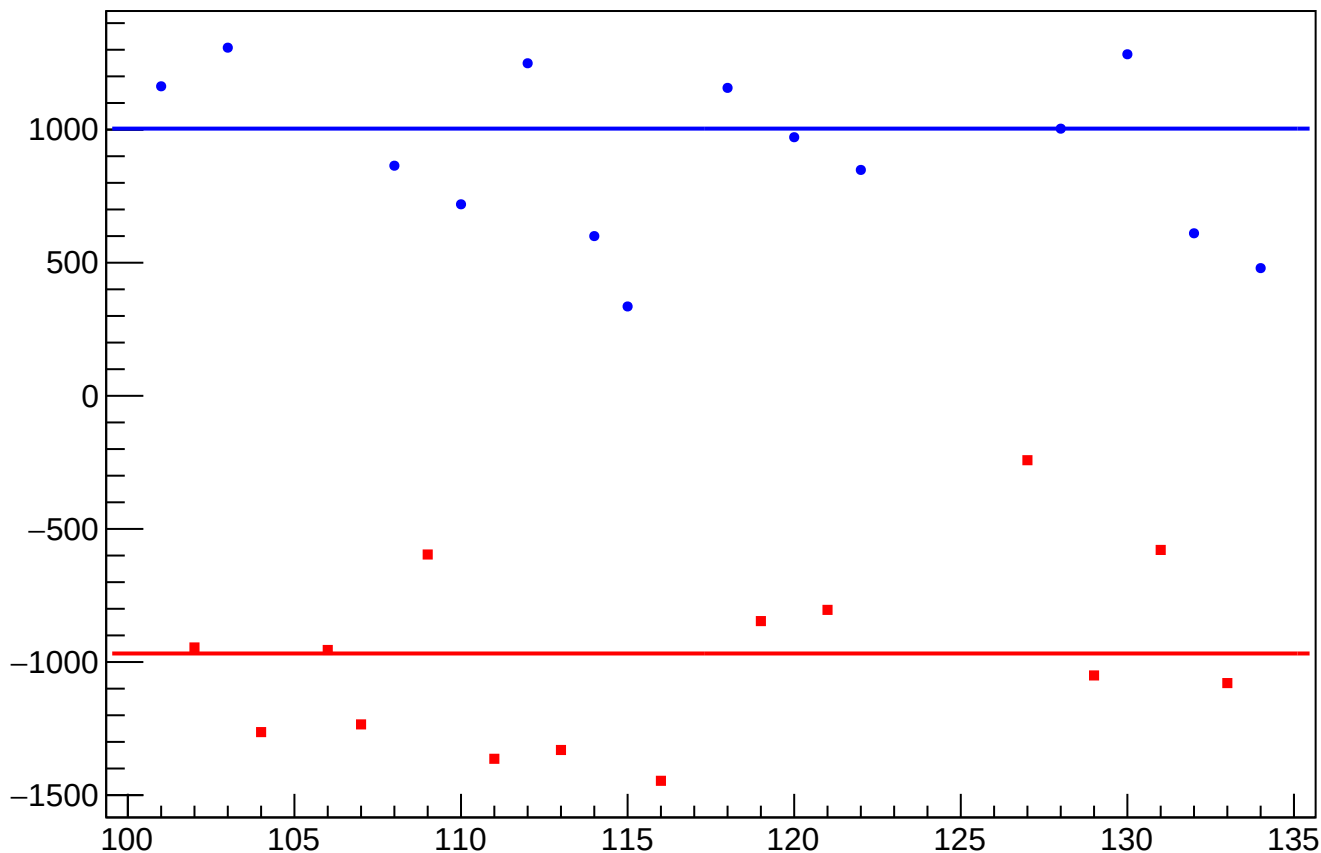
Right In: 1146.001+/-0.000  $\chi^2/\text{NDF}$ : 923709946216617001884263606524730933248.0/13

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

Right Out: -2034.712+/-0.000  $\chi^2/\text{NDF}$ : 5394998426419110224868919921814777364480.0/13

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

dit\_atl1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

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

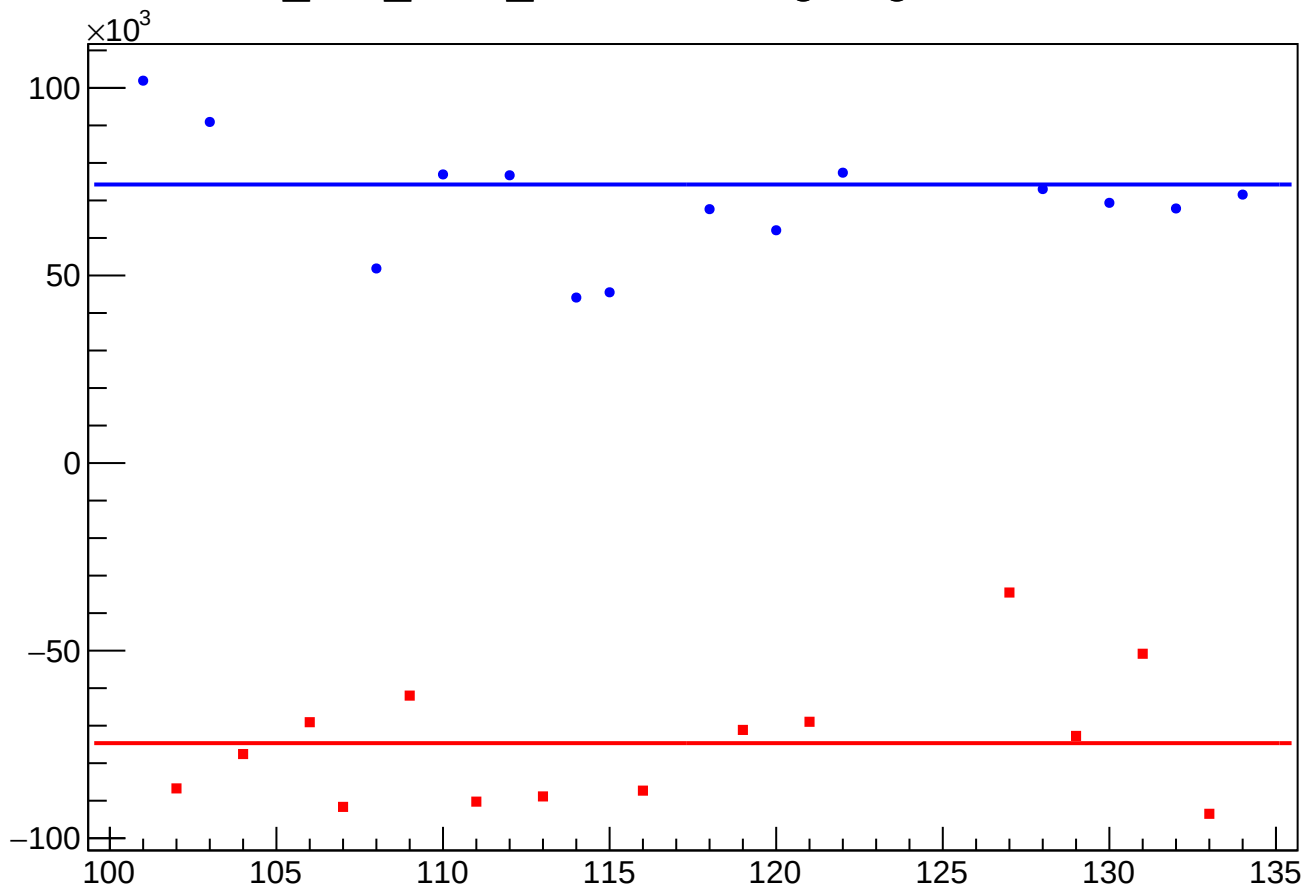
1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

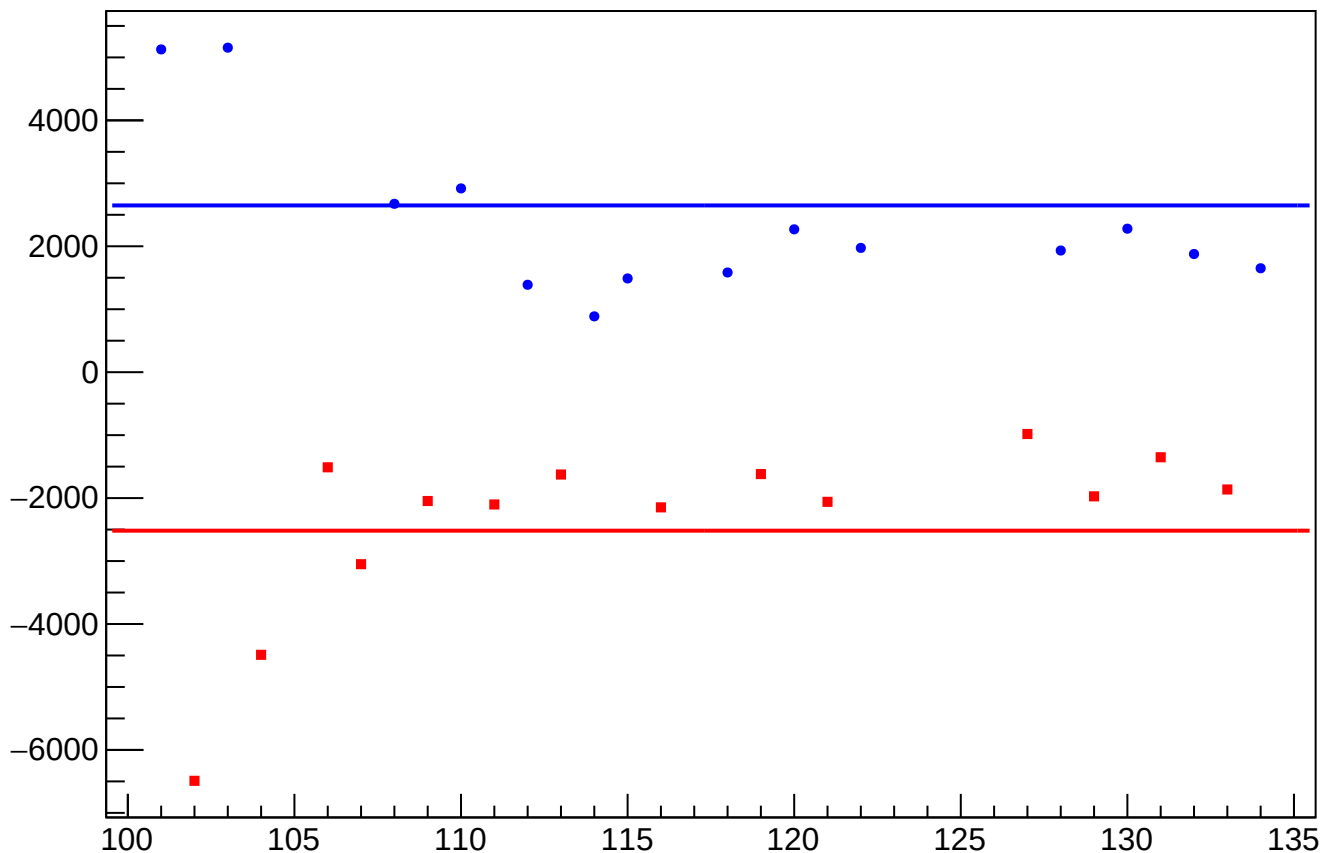


dit\_atl2\_coil7\_mean vs Slug, Sign Corrected



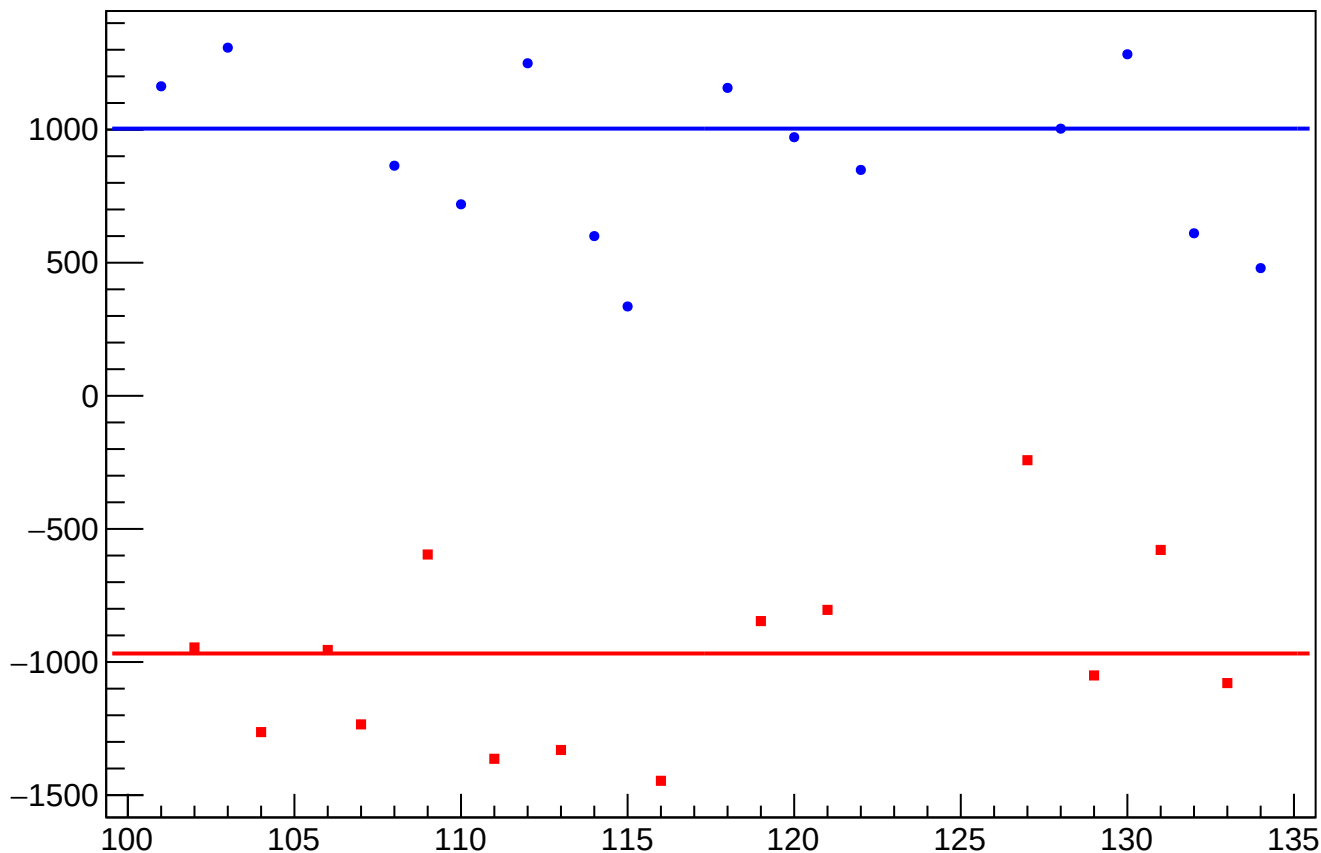
Right In: 74253.543 $\pm$ 0.000  $\chi^2$ /NDF: 112980745725794773446679708660074213801984.0/13  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: -74657.078 $\pm$ 0.000  $\chi^2$ /NDF: 160755694059762073209460396003742453858304.0/13  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

dit\_atl2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 2648.741+/-0.000  $\chi^2/\text{NDF}$ : 1030641604961208332313482756990829592576.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -2517.375+/-0.000  $\chi^2/\text{NDF}$ : 1448737247253850599984321060664137220096.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

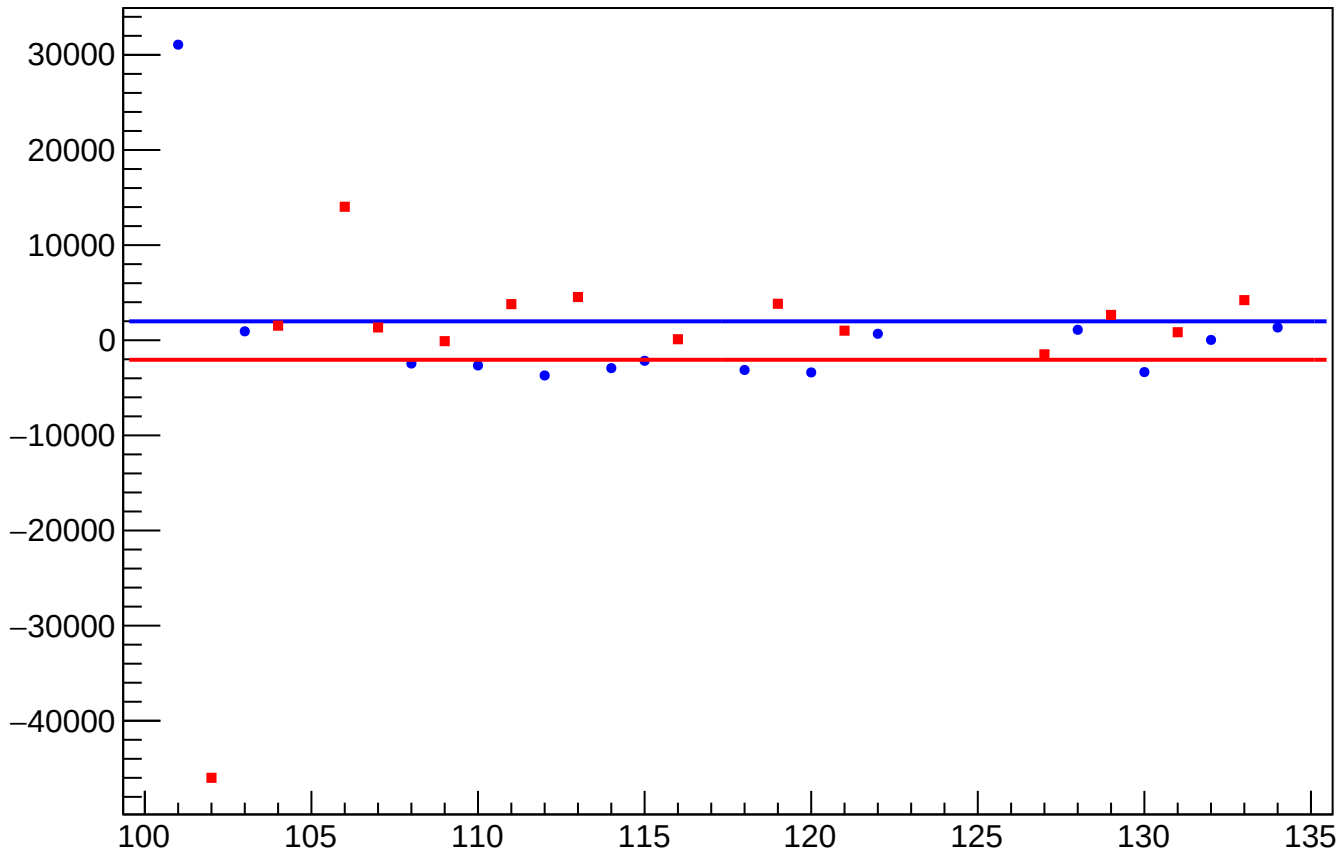
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 3916430228405197

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 6401574751127801

# dit\_atr1\_coil7\_mean vs Slug, Sign Corrected



Right In: 1988.398+/-0.000  $\chi^2/\text{NDF}$ : 57737721145451414814540208684977776230400.0/13

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

1988.398+/-0.000  $\chi^2/\text{NDF}$ : 5773772114545141

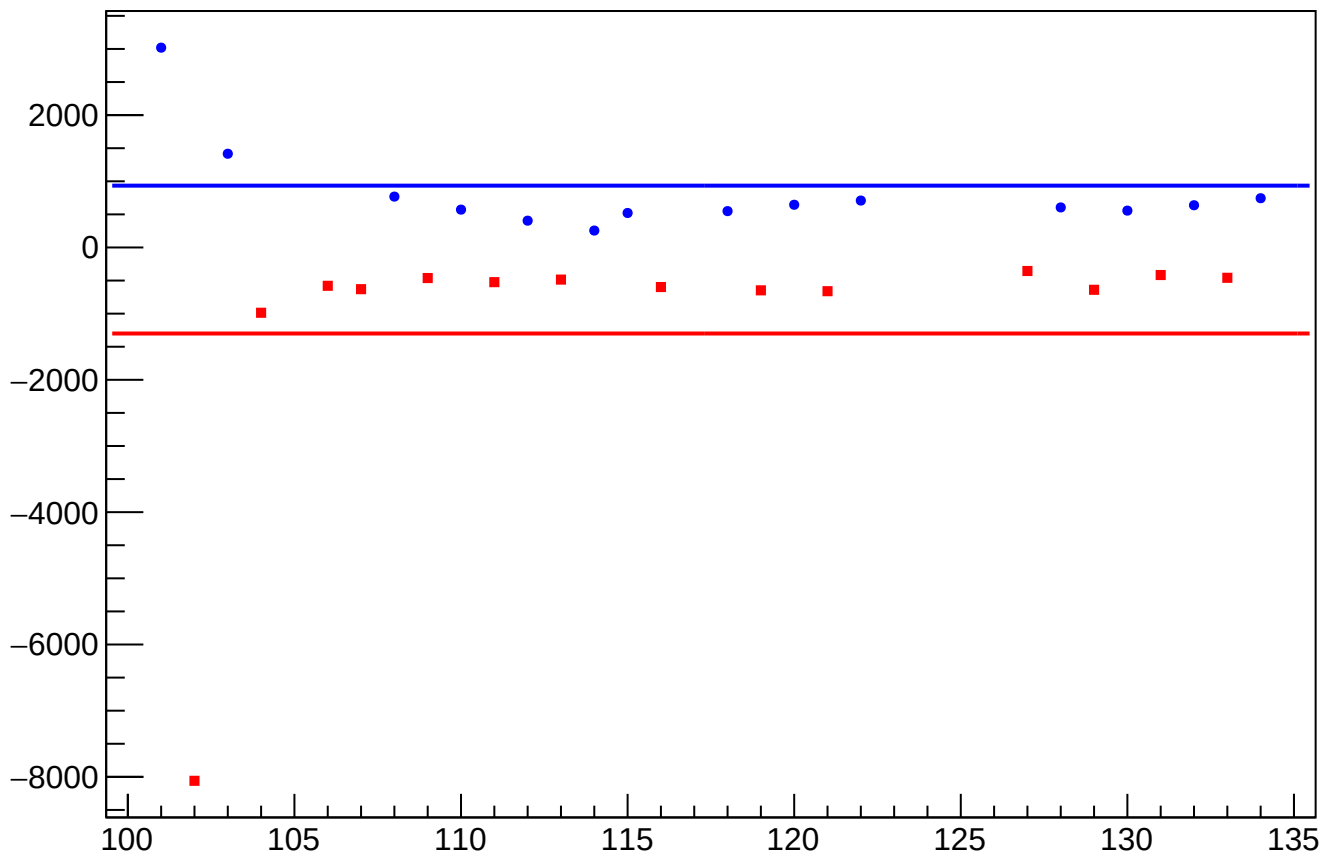
-99.456+/-0.000  $\chi^2/\text{NDF}$ : 192512352003

Right Out: -2051.599+/-0.000  $\chi^2/\text{NDF}$ : 130042639166613839381847073370407314653184.0/13

-2051.599+/-0.000  $\chi^2/\text{NDF}$ : 130042639166613

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

dit atr1 coil7\_err\_mean vs Slug, Sign Corrected



Right In: 934.197+/-0.000  $\chi^2/\text{NDF}$ : 327792518062844263261650288569267257344.0/13

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

Right Out: -1300.088+/-0.000  $\chi^2/\text{NDF}$ : 2947924042337632692445763991595256905728.0/13

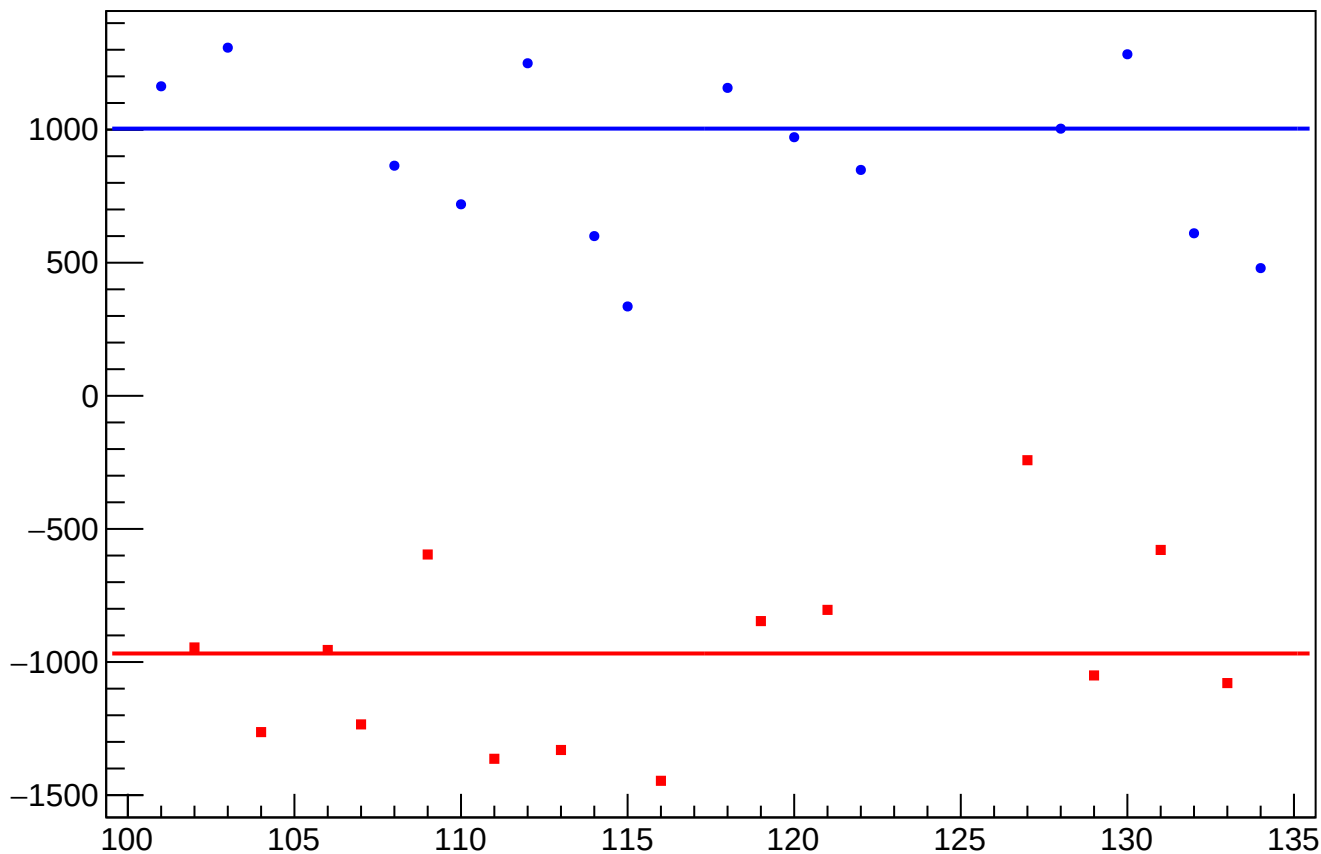
Left In: 0.000+/-0.000      $\chi^2/\text{NDF}$ :0.0/0

934.197+/-0.000  $\chi^2/\text{NDF}$ : 32779251806284426

-220.472+/-0.000     $\chi^2/\text{NDF}$ : 472301787623

-1300.088+/-0.000  $\chi^2/\text{NDF}$ : 294792404233763

dit\_atr1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

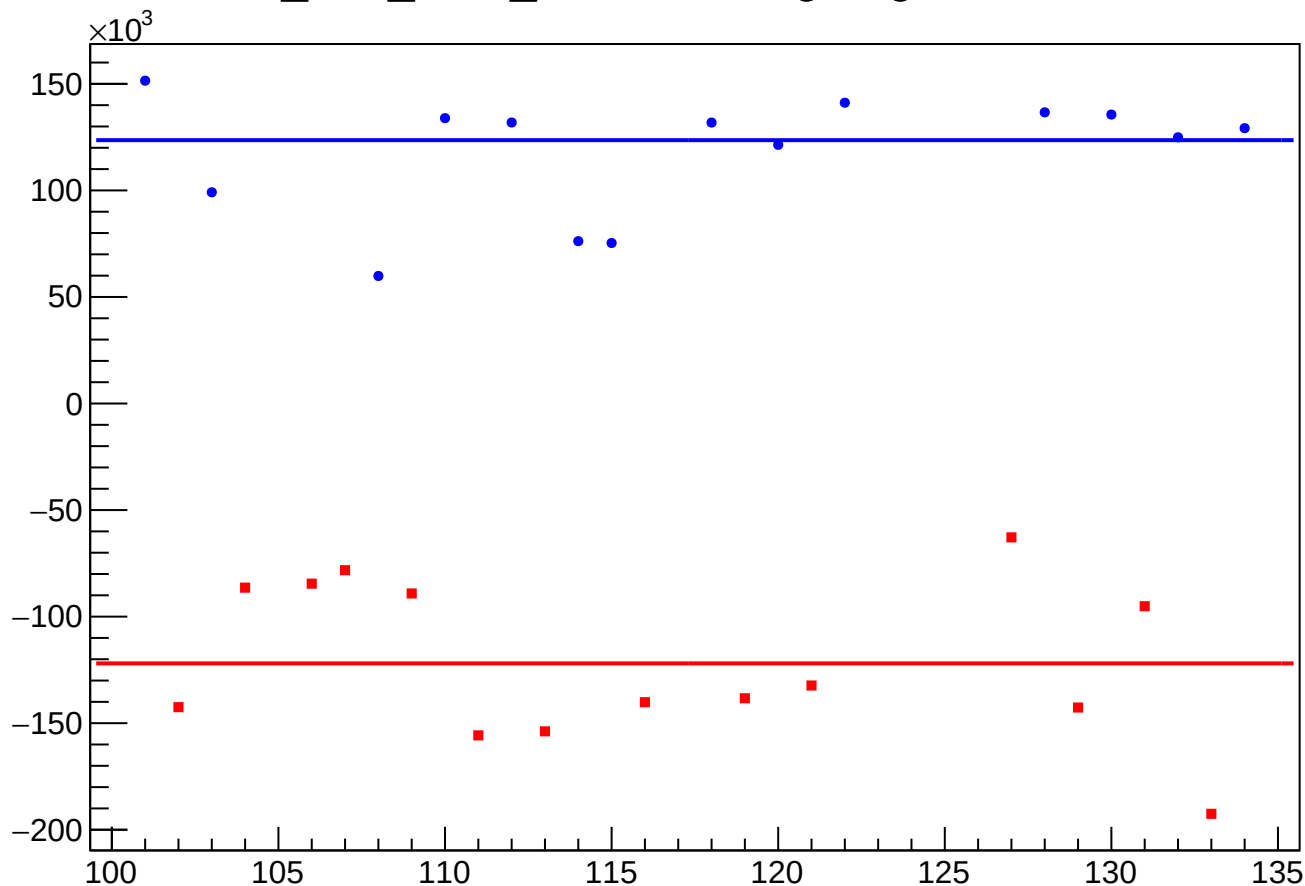
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 3916430228405197

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562

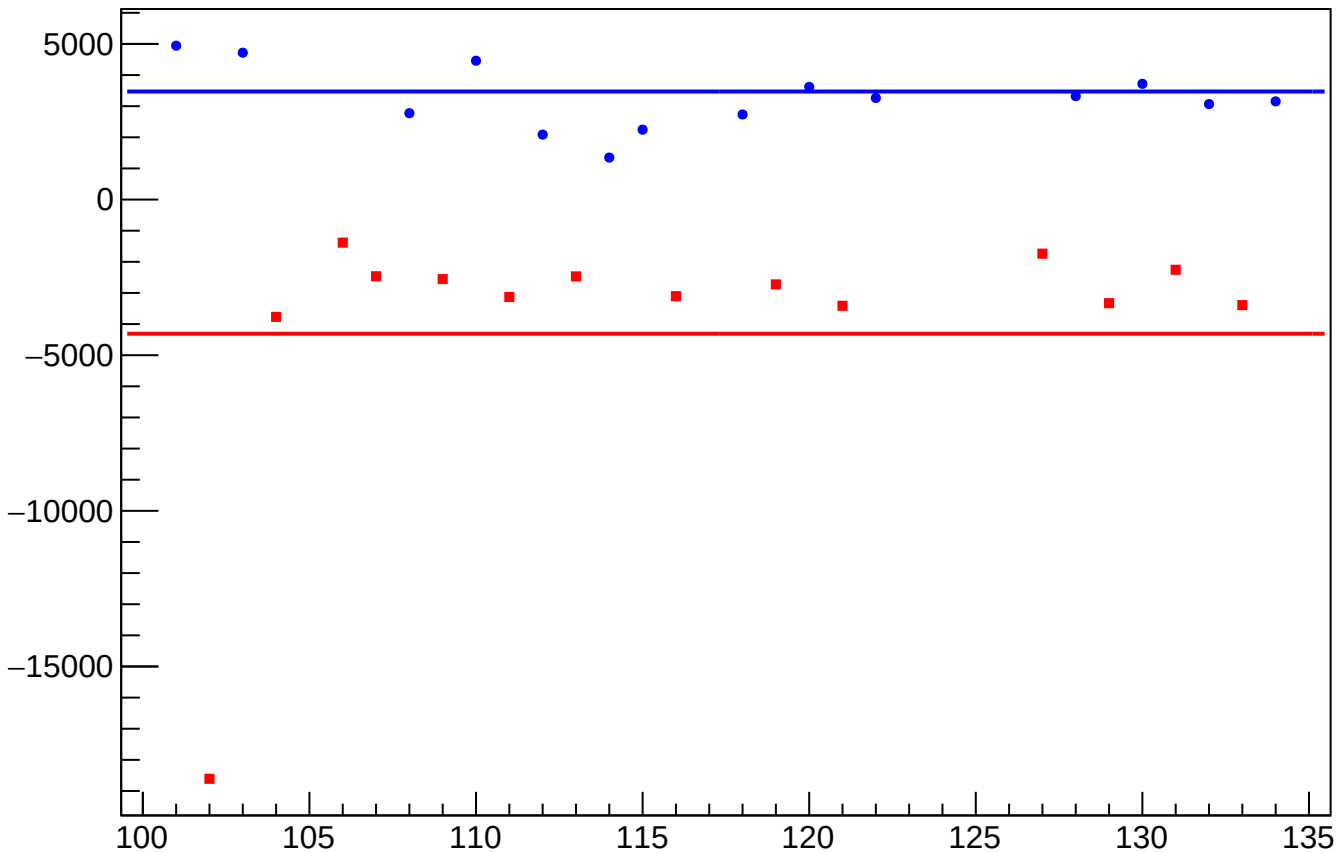
-967.922+/-0.000  $\chi^2/\text{NDF}$ : 6401574751127801

dit\_atr2\_coil7\_mean vs Slug, Sign Corrected



Right In: 123576.269+/-0.000  $\chi^2/\text{NDF}$ : 331603672265870922211586811188814486175744.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -121938.964+/-0.000  $\chi^2/\text{NDF}$ : 789645622277059450155162932921531054948352.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit atr2 coil7\_err\_mean vs Slug, Sign Corrected



Right In: 3470.994+/-0.000     $\chi^2/\text{NDF}$ : 484188341004796873278592309871199125504.0/13

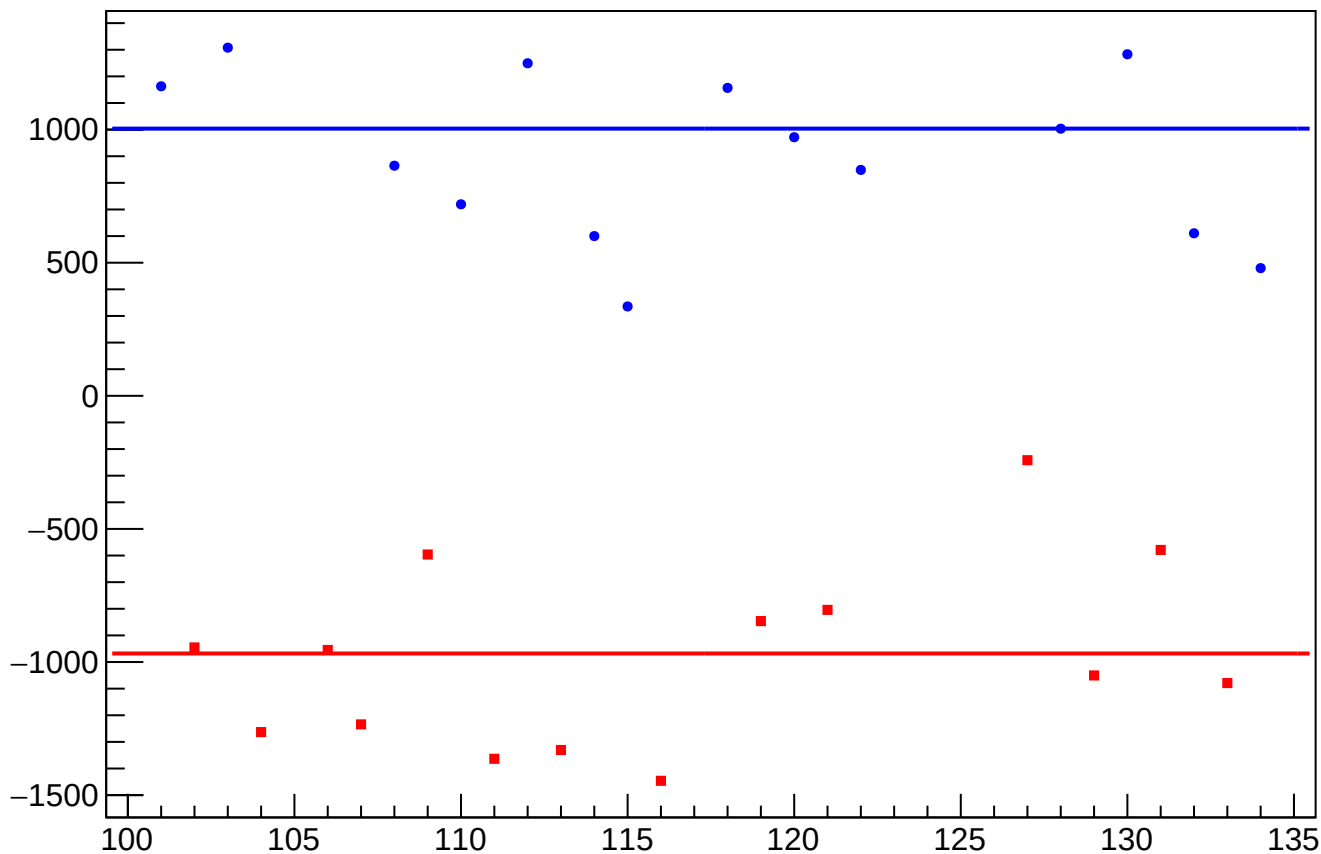
Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ :0.0/0

Right Out: -4310.117+/-0.000  $\chi^2/\text{NDF}$ : 133570765941771577548083197314071737173713920.0/13

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



dit\_atr2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

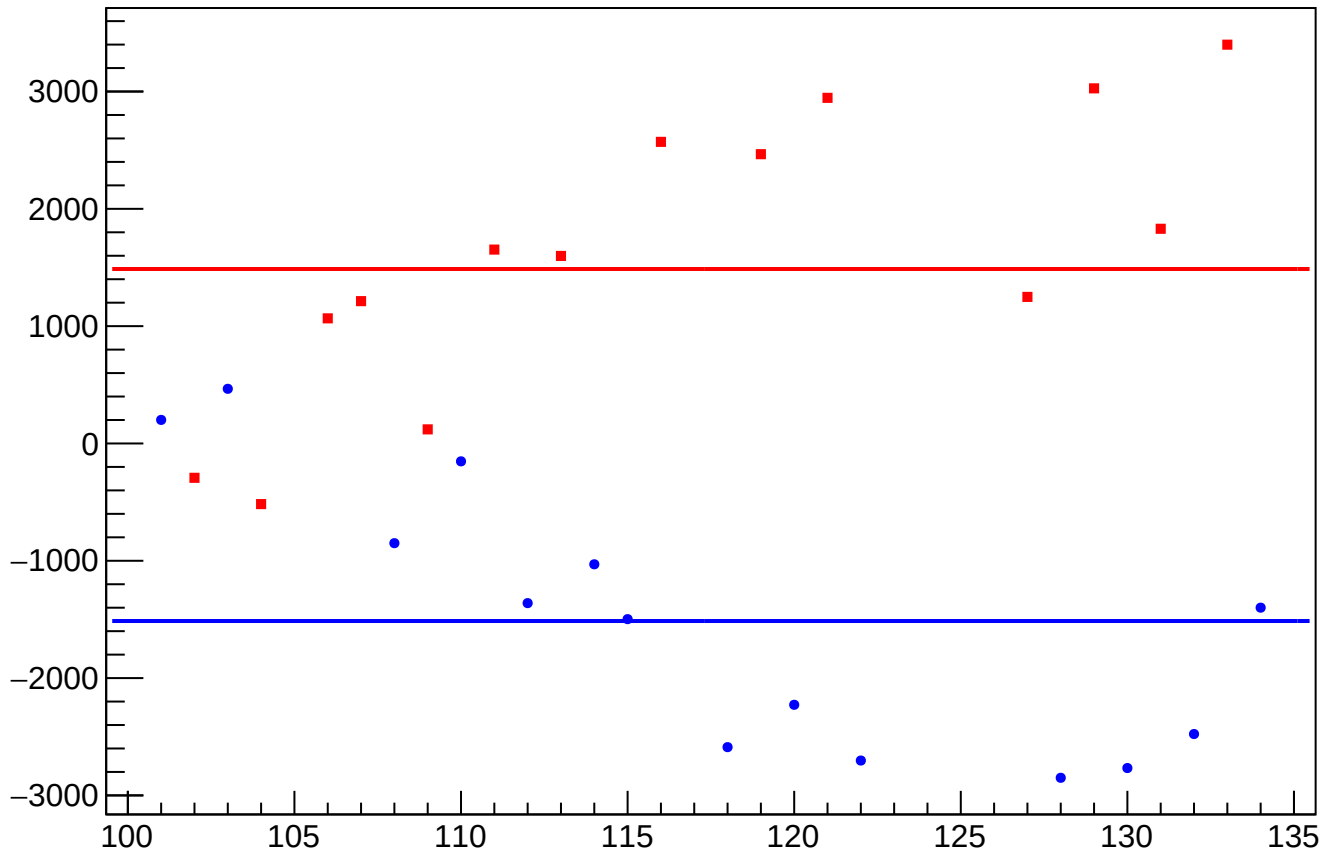
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

# dit\_sam1\_coil7\_mean vs Slug, Sign Corrected



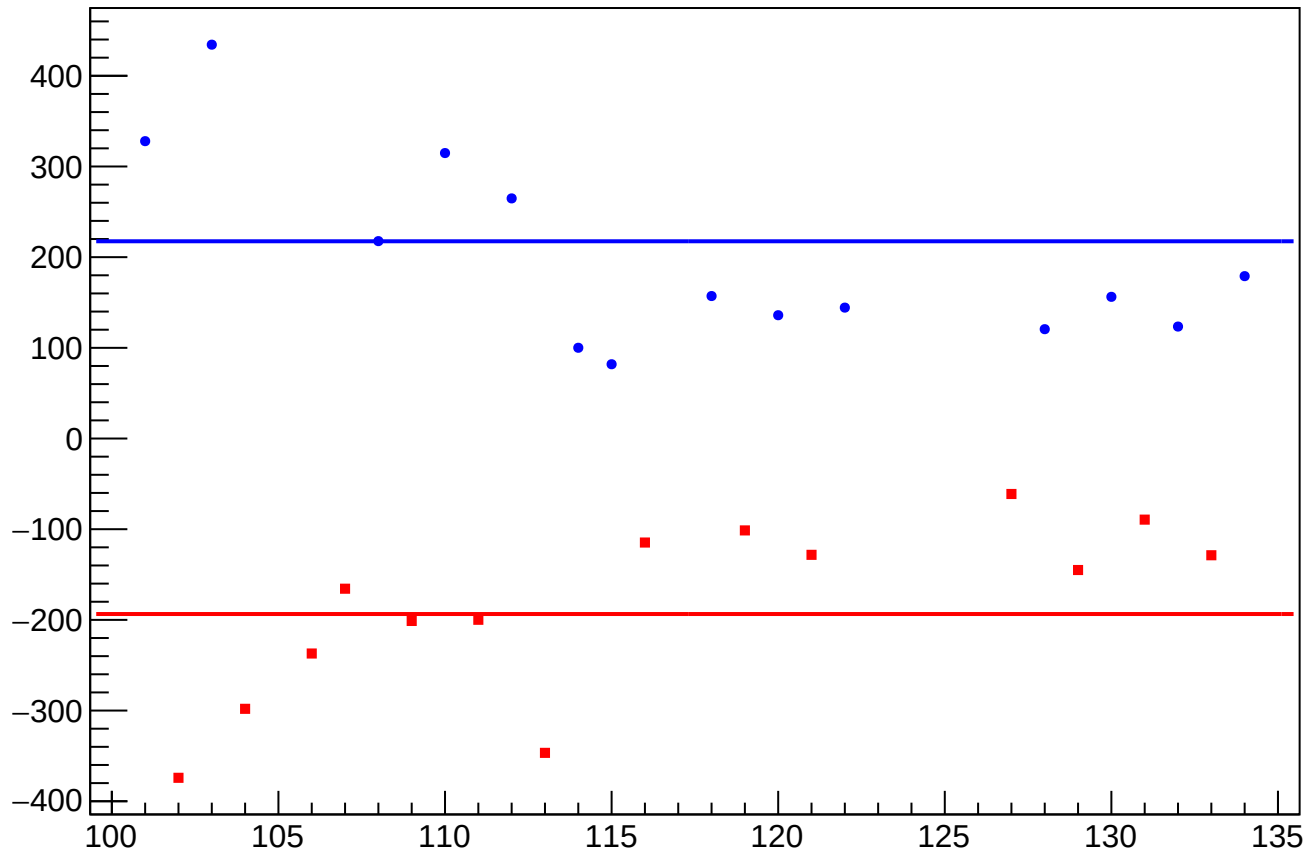
Right In: -1513.459+/-0.000  $\chi^2/\text{NDF}$ : 843126511648155724231093030833589583872.0/13

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

Right Out: 1487.169+/-0.000  $\chi^2/\text{NDF}$ : 920910604384717130788718460354479259648.0/13

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

dit\_sam1\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 217.525+/-0.000  $\chi^2/\text{NDF}$ : 6055086797436203357416568689273077760.0/13

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

Right Out: -193.540+/-0.000  $\chi^2/\text{NDF}$ : 5833900806643647648784505024561545216.0/13

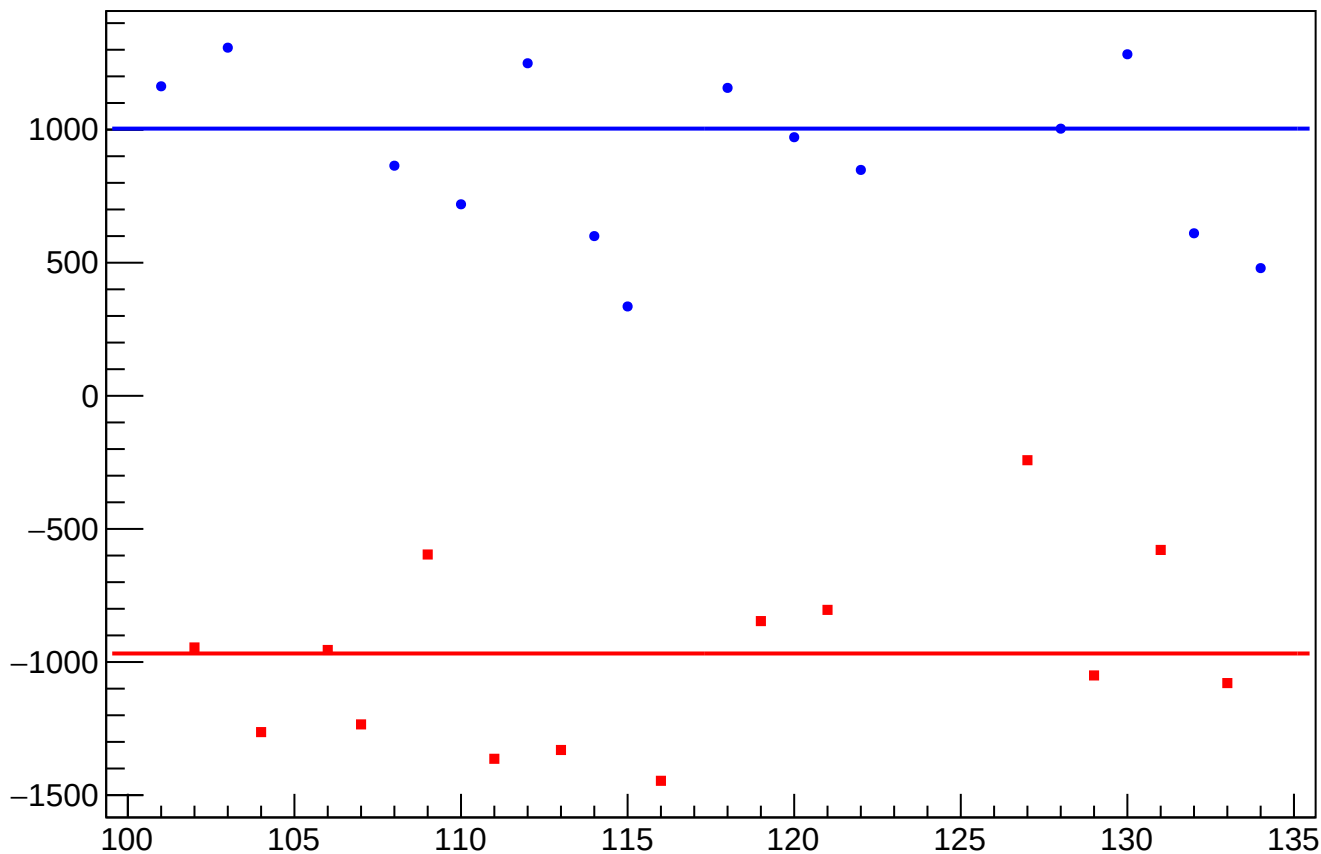
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

217.525+/-0.000  $\chi^2/\text{NDF}$ : 6055086797436203357416568689273077760.0/13

5.088+/-0.000  $\chi^2/\text{NDF}$ : 60878381299613

-193.540+/-0.000  $\chi^2/\text{NDF}$ : 5833900806643647648784505024561545216.0/13

dit\_sam1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

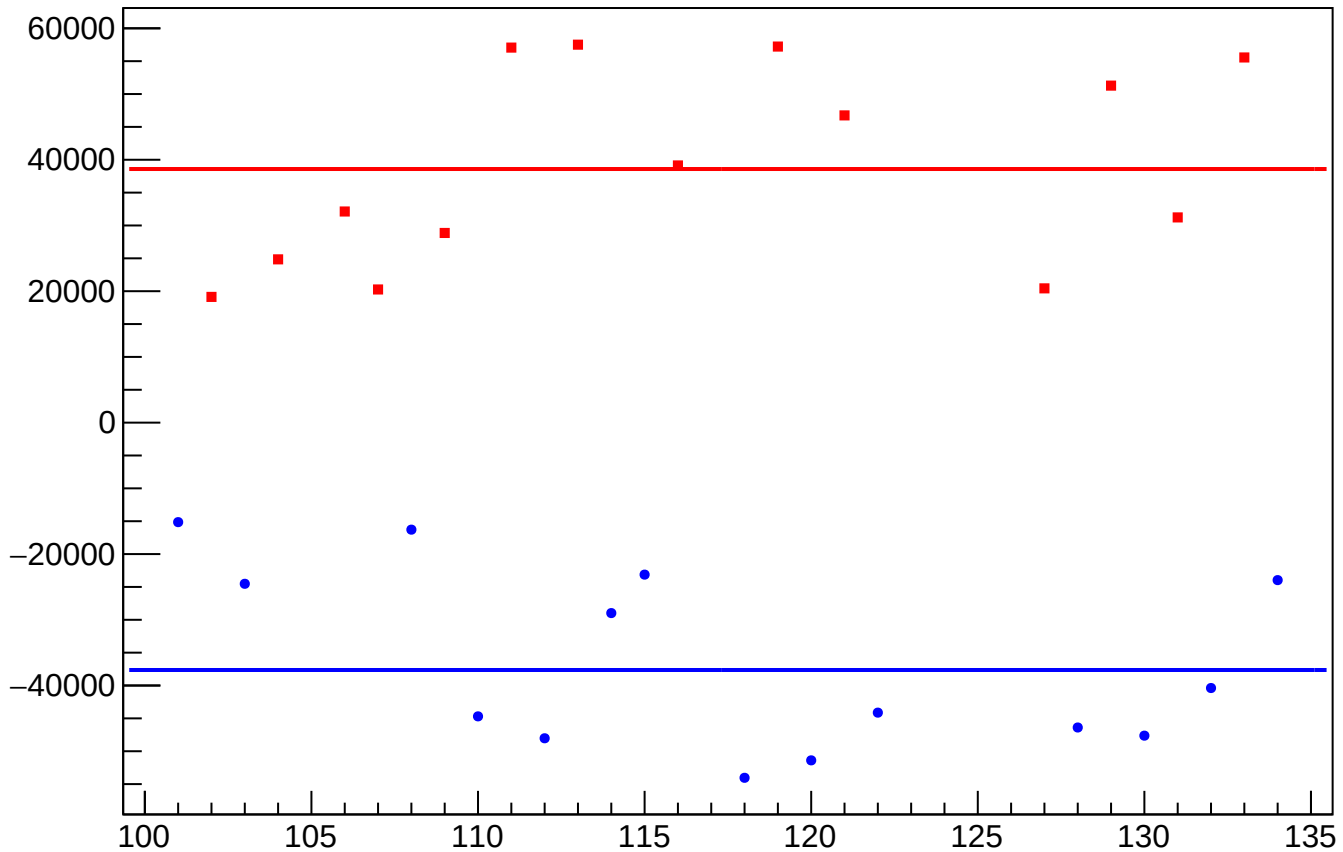
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

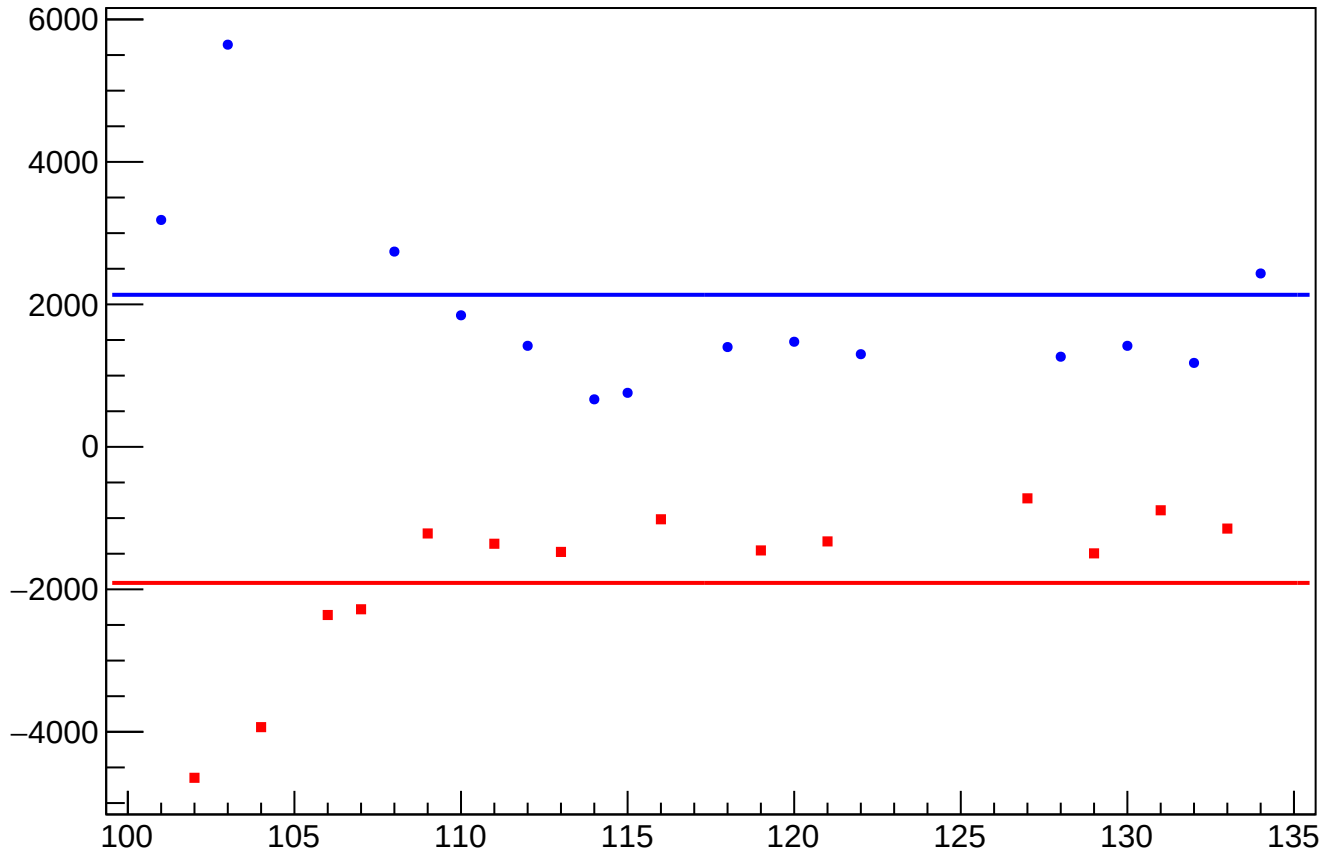
-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

dit\_sam2\_coil7\_mean vs Slug, Sign Corrected



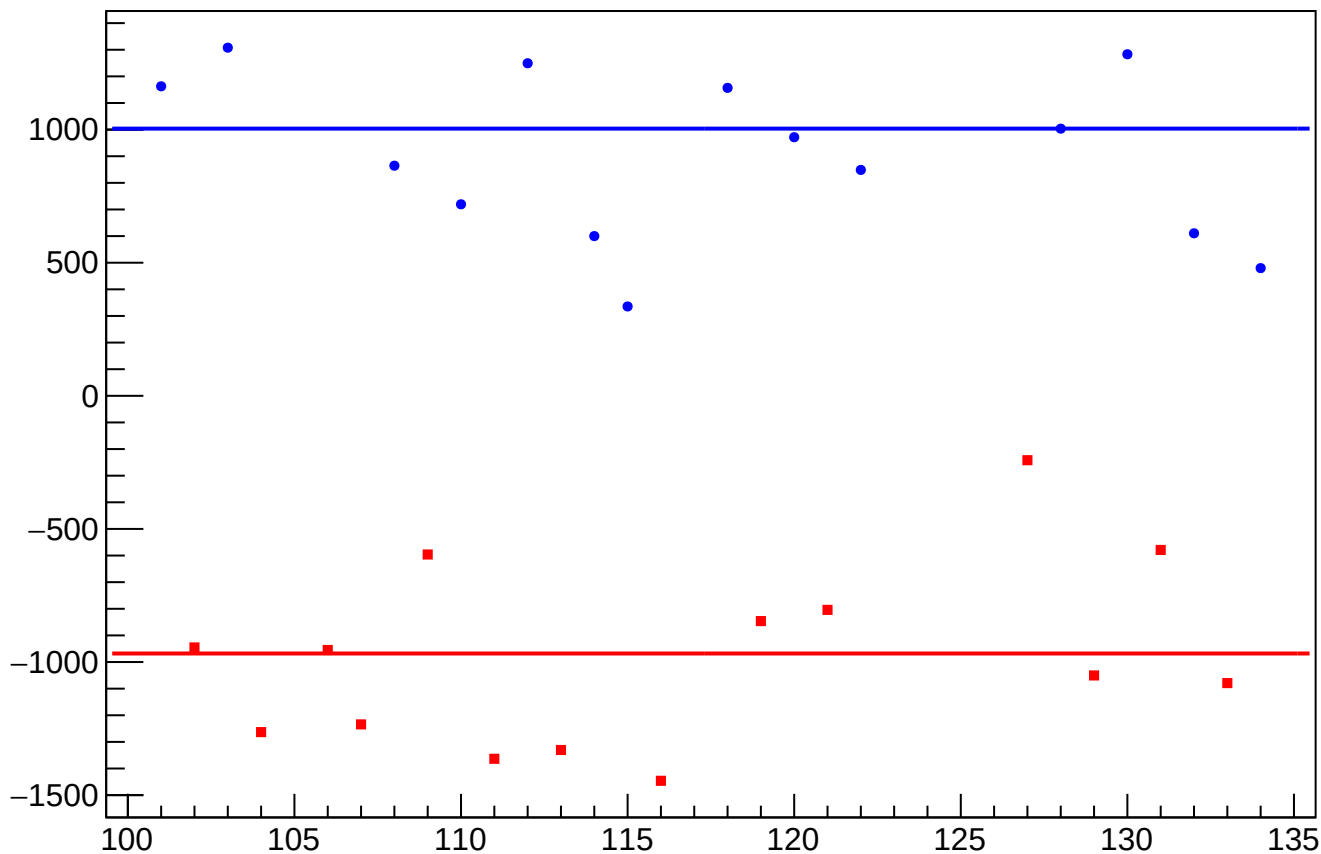
Right In: -37638.727+/-0.000  $\chi^2/\text{NDF}$ : 103897355502678419959226019639634759254016.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 38591.650+/-0.000  $\chi^2/\text{NDF}$ : 137348914074716259673584766190892309544960.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 2134.498+/-0.000  $\chi^2/\text{NDF}$ : 1061654197544659808364083827615324962816.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -1909.706+/-0.000  $\chi^2/\text{NDF}$ : 878008947219225477208184780249645449216.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

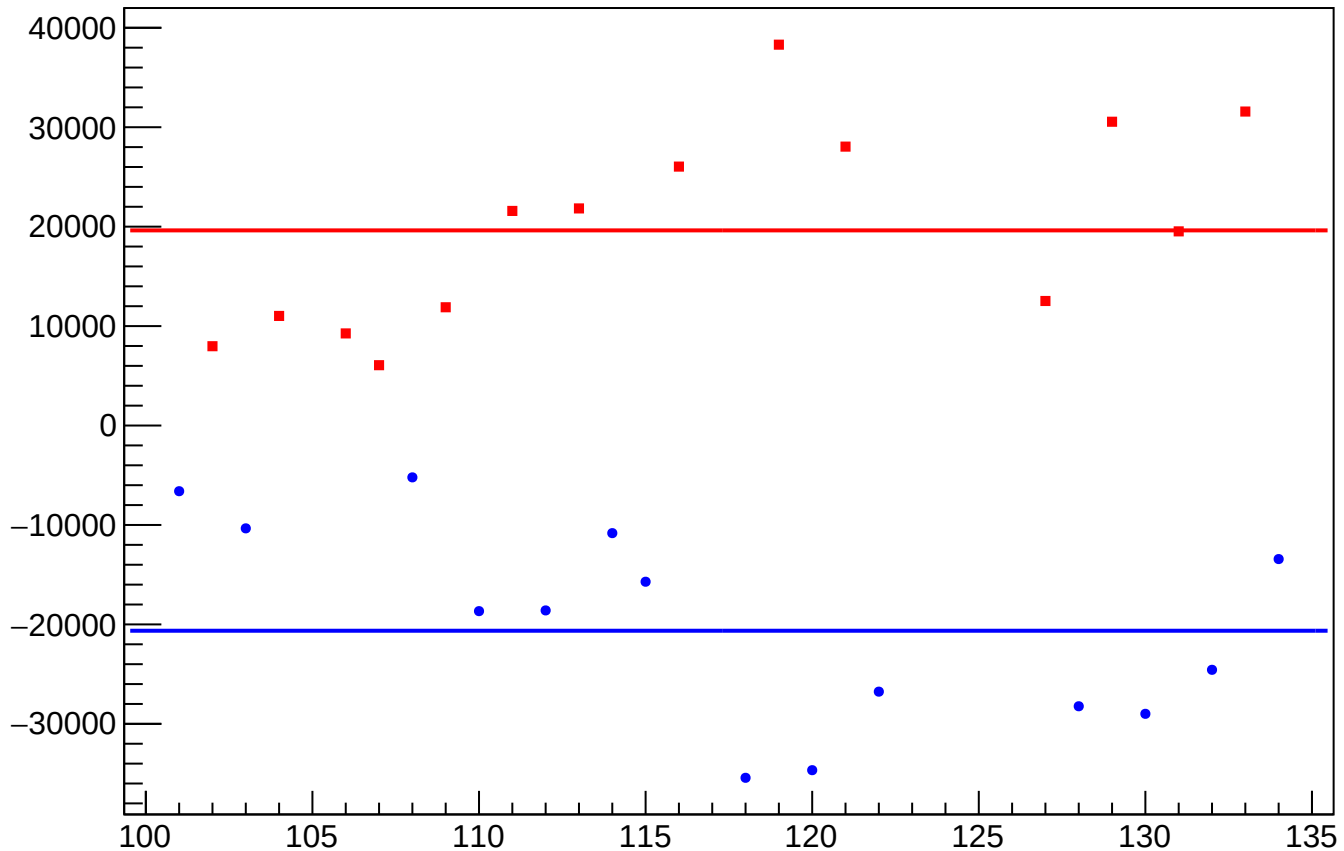
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

# dit\_sam3\_coil7\_mean vs Slug, Sign Corrected



Right In: -20636.774+/-0.000  $\chi^2/\text{NDF}$ : 57022969188688324739550009737981284319232.0/13

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

Right Out: 19625.051+/-0.000  $\chi^2/\text{NDF}$ : 60332334897886737596623636711393837711360.0/13

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

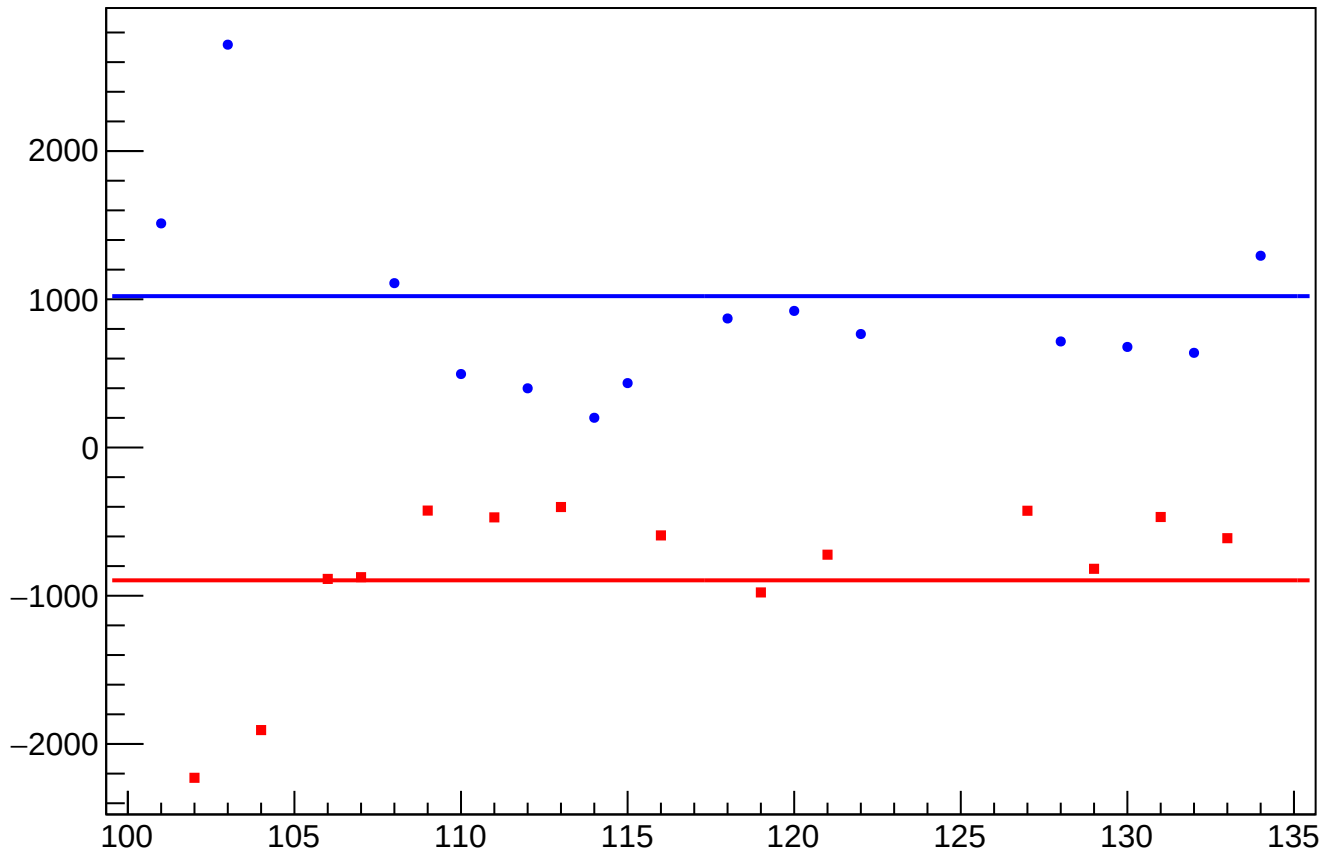
-20636.774+/-0.000  $\chi^2/\text{NDF}$ : 57022969188688

170.371+/-0.000  $\chi^2/\text{NDF}$ : 587323848921

19625.051+/-0.000  $\chi^2/\text{NDF}$ : 603323348978867



dit\_sam3\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 1021.221+/-0.000  $\chi^2/\text{NDF}$ : 248410670646746205288214193318918094848.0/13

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

Right Out: -896.065+/-0.000  $\chi^2/\text{NDF}$ : 209536003646274575463156234961786241024.0/13

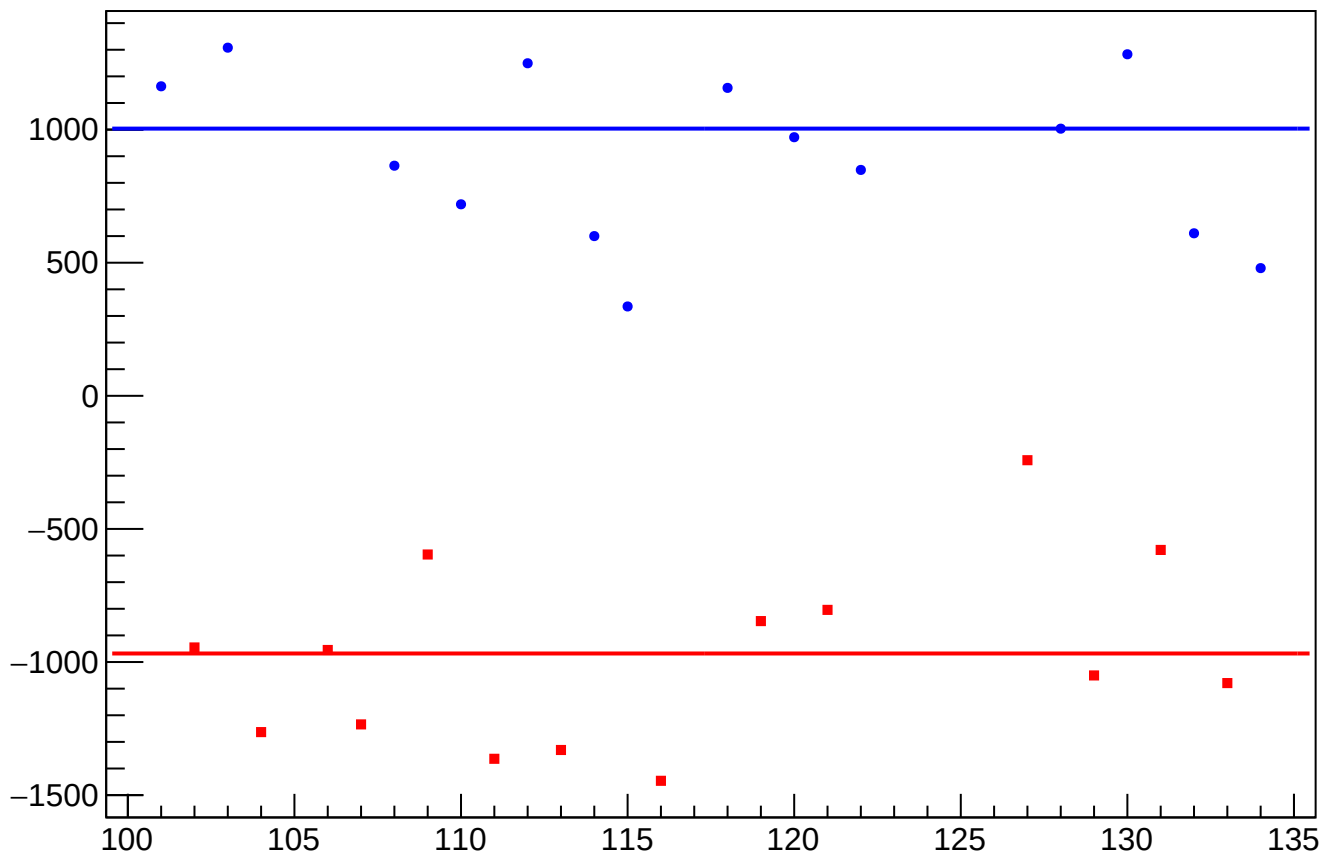
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1021.221+/-0.000  $\chi^2/\text{NDF}$ : 2484106706467462

30.375+/-0.000  $\chi^2/\text{NDF}$ : 1523697335132

-896.065+/-0.000  $\chi^2/\text{NDF}$ : 2095360036462745

dit\_sam3\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

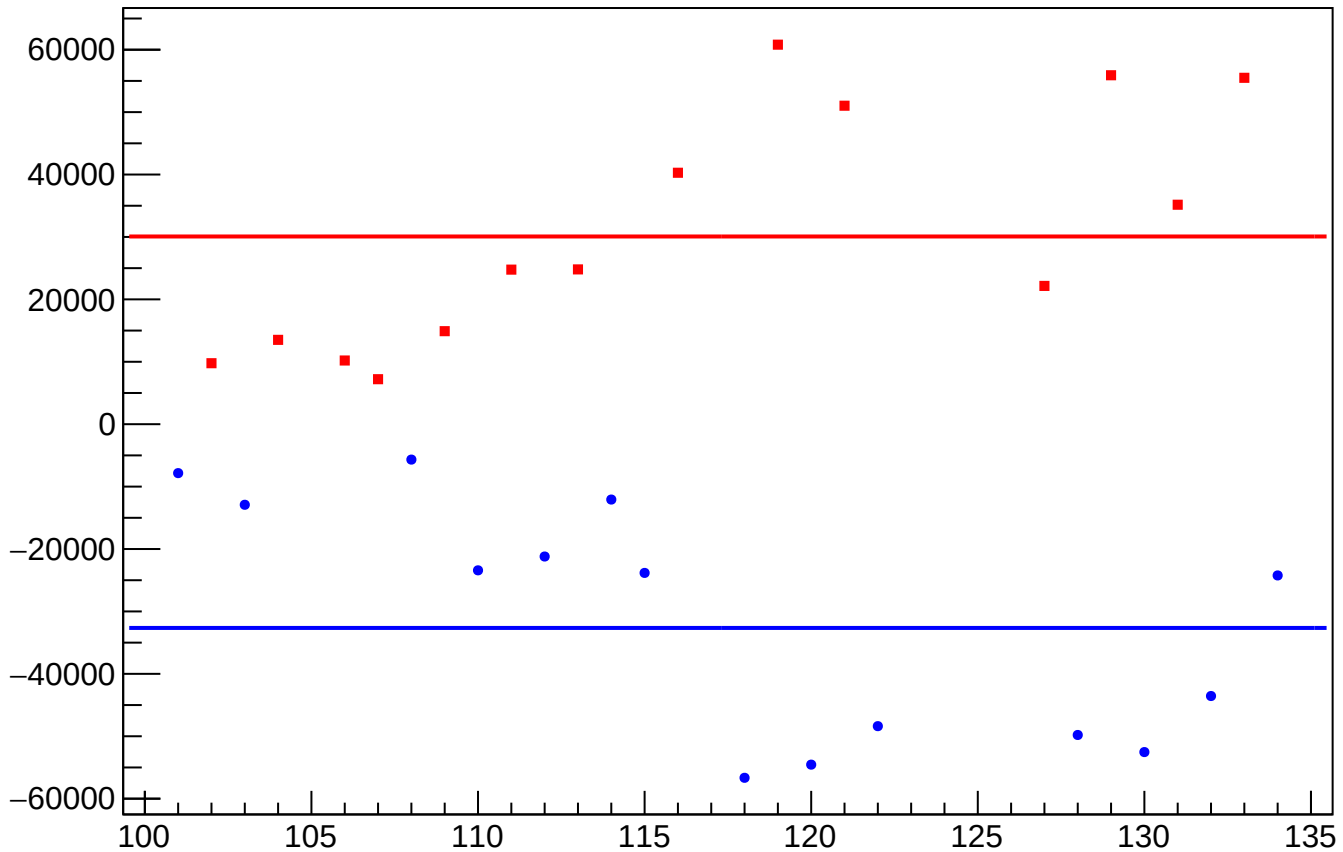
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 3916430228405197

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562

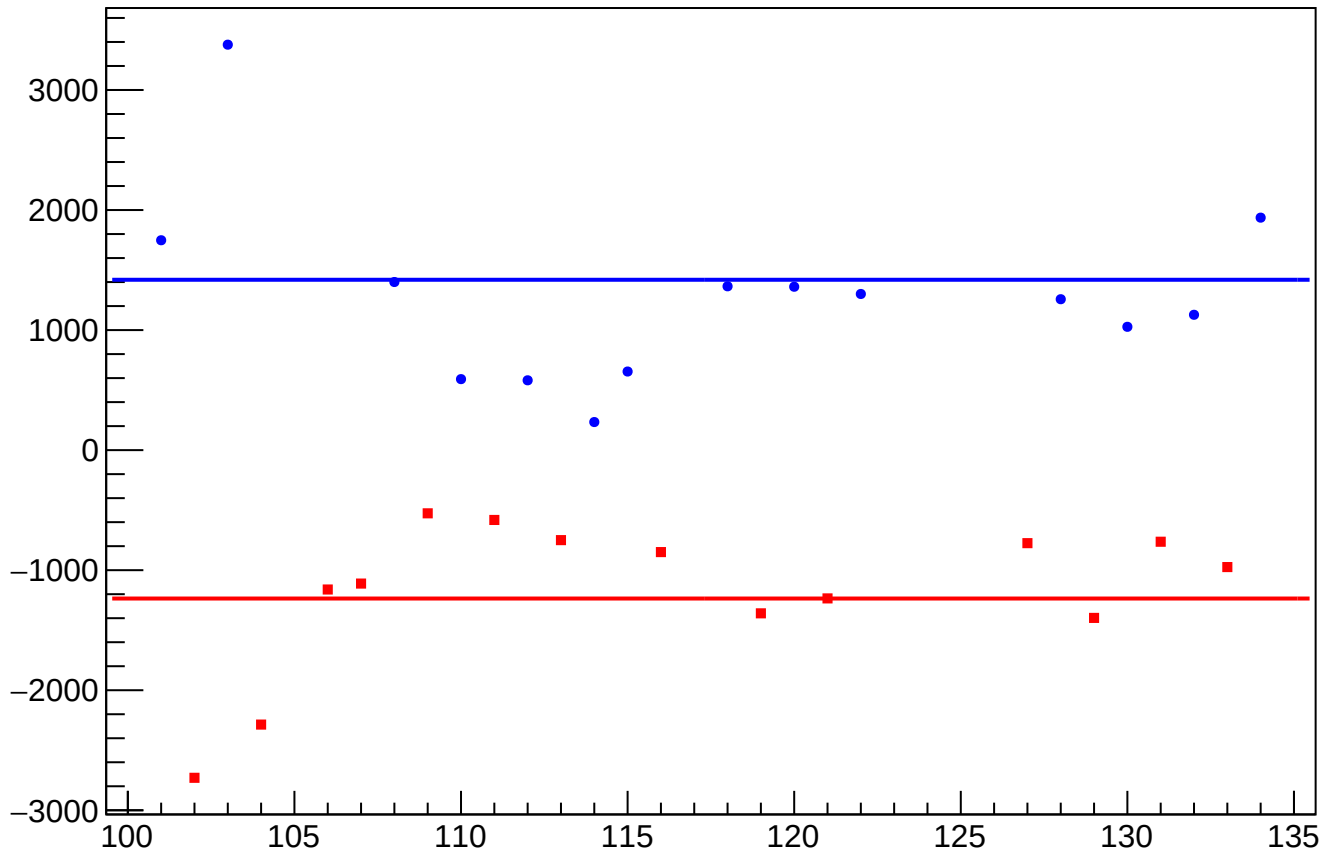
-967.922+/-0.000  $\chi^2/\text{NDF}$ : 6401574751127801

# dit\_sam4\_coil7\_mean vs Slug, Sign Corrected



Right In: -32644.040+/-0.000  $\chi^2/\text{NDF}$ : 202477519805084377398904246424029141925888.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 30074.953+/-0.000  $\chi^2/\text{NDF}$ : 211671404639189023032401759775301472092160.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 1419.127+/-0.000  $\chi^2/\text{NDF}$ : 335021323629772955934181072889855344640.0/13

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

Right Out: -1236.145+/-0.000  $\chi^2/\text{NDF}$ : 268116800171999031823194213527700111360.0/13

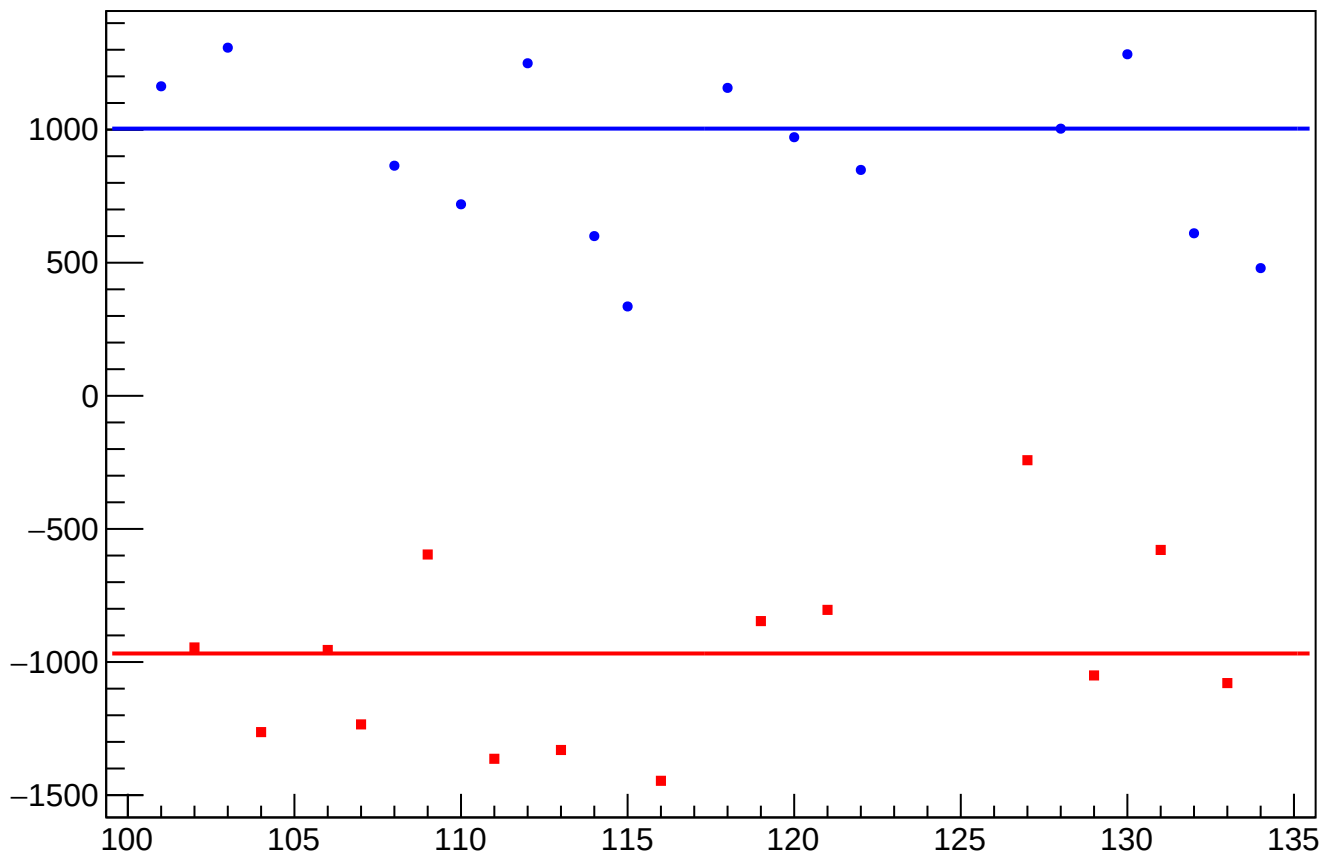
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1419.127+/-0.000  $\chi^2/\text{NDF}$ : 3350213236297729

46.894+/-0.000  $\chi^2/\text{NDF}$ : 2647227893368

-1236.145+/-0.000  $\chi^2/\text{NDF}$ : 268116800171999

dit\_sam4\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

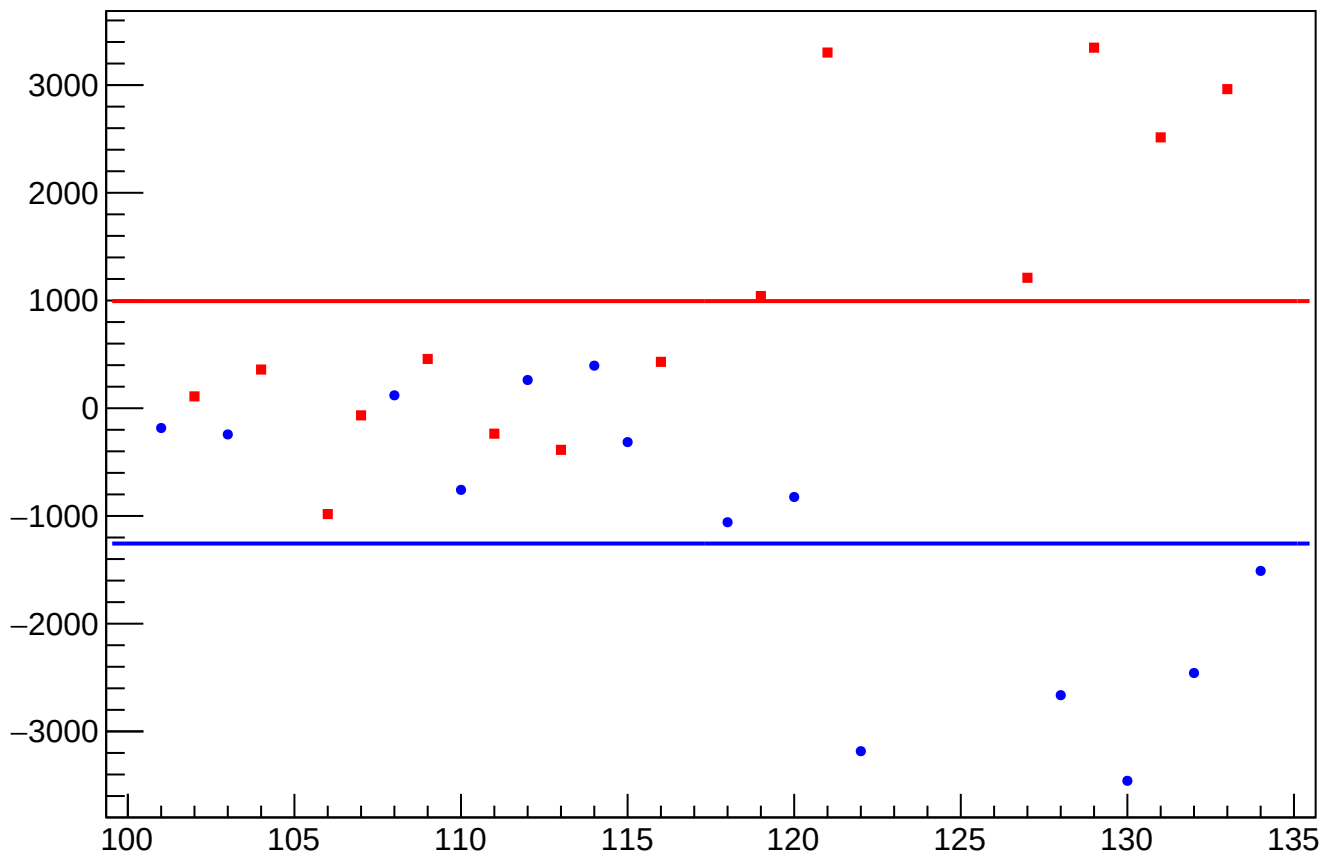
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

# dit\_sam5\_coil7\_mean vs Slug, Sign Corrected



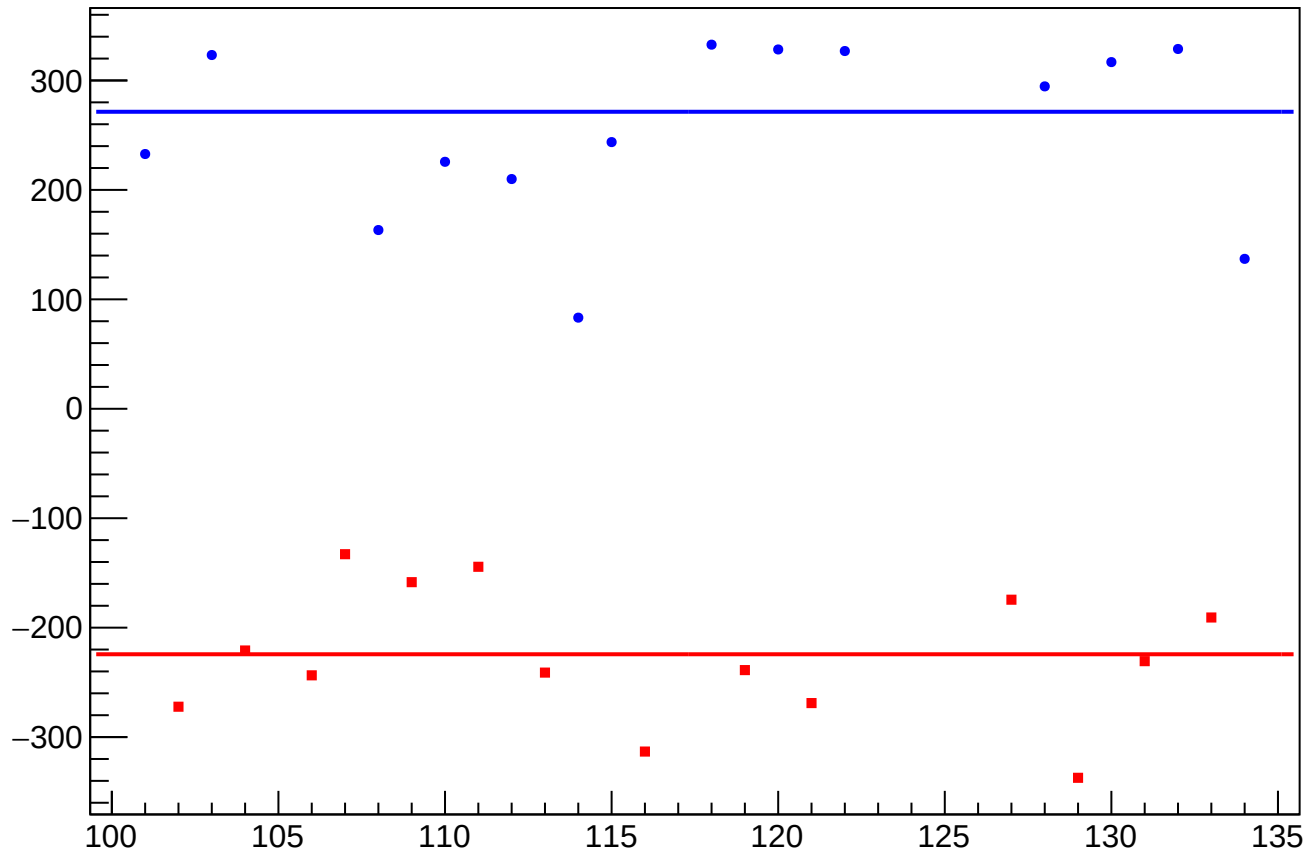
Right In: -1256.004+/-0.000  $\chi^2/\text{NDF}$ : 951788620479561363615619339057014767616.0/13

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

Right Out: 994.656+/-0.000  $\chi^2/\text{NDF}$ : 1101516408339722808763290888858465468416.0/13

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

dit\_sam5\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 271.394+/-0.000  $\chi^2/\text{NDF}$ : 2470806894918554707470974508318326784.0/13

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

Right Out: -224.309+/-0.000  $\chi^2/\text{NDF}$ : 1947706153055937639781581031315865600.0/13

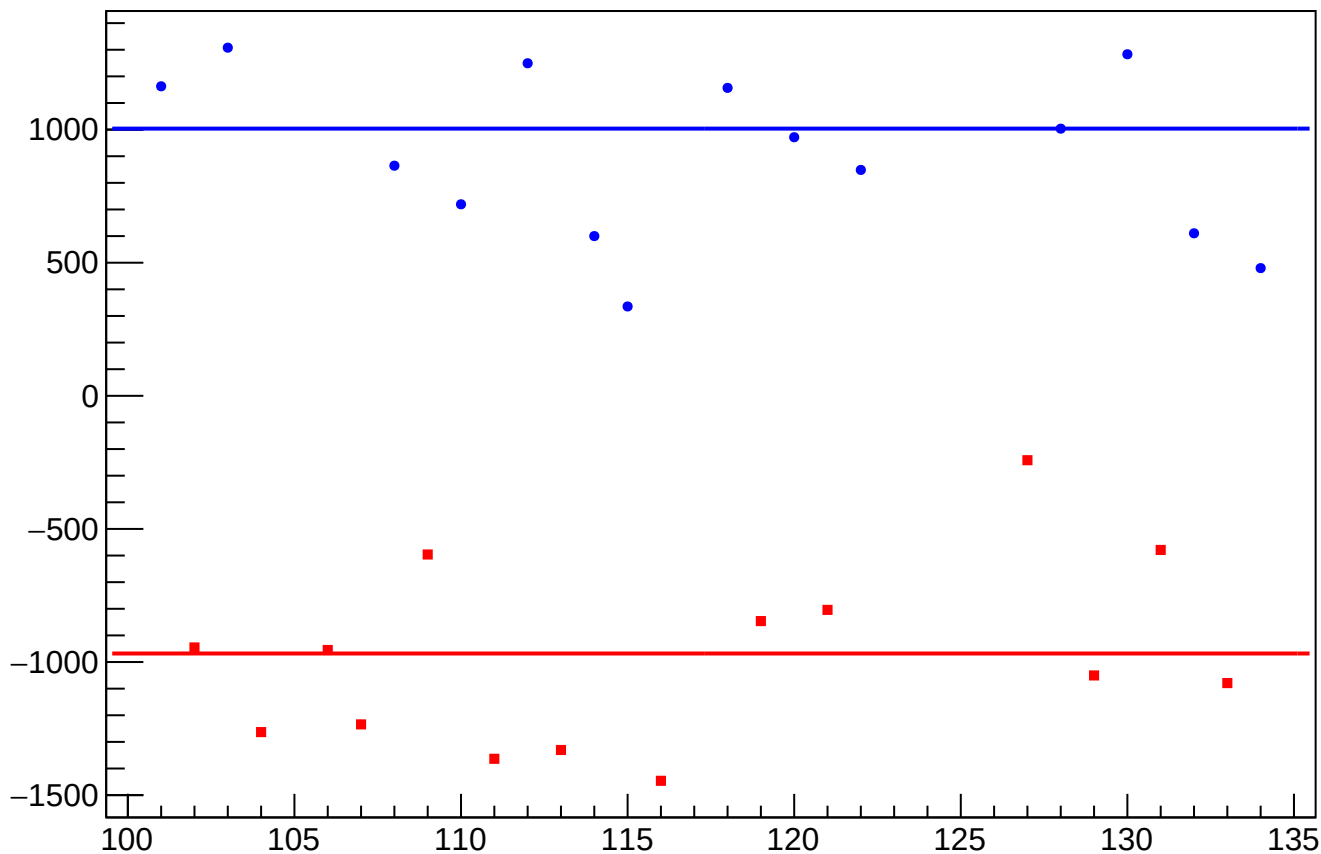
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

271.394+/-0.000  $\chi^2/\text{NDF}$ : 2470806894918554707470974508318326784.0/13

15.217+/-0.000  $\chi^2/\text{NDF}$ : 7565866817214.0/13

-224.309+/-0.000  $\chi^2/\text{NDF}$ : 1947706153055937639781581031315865600.0/13

dit\_sam5\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

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

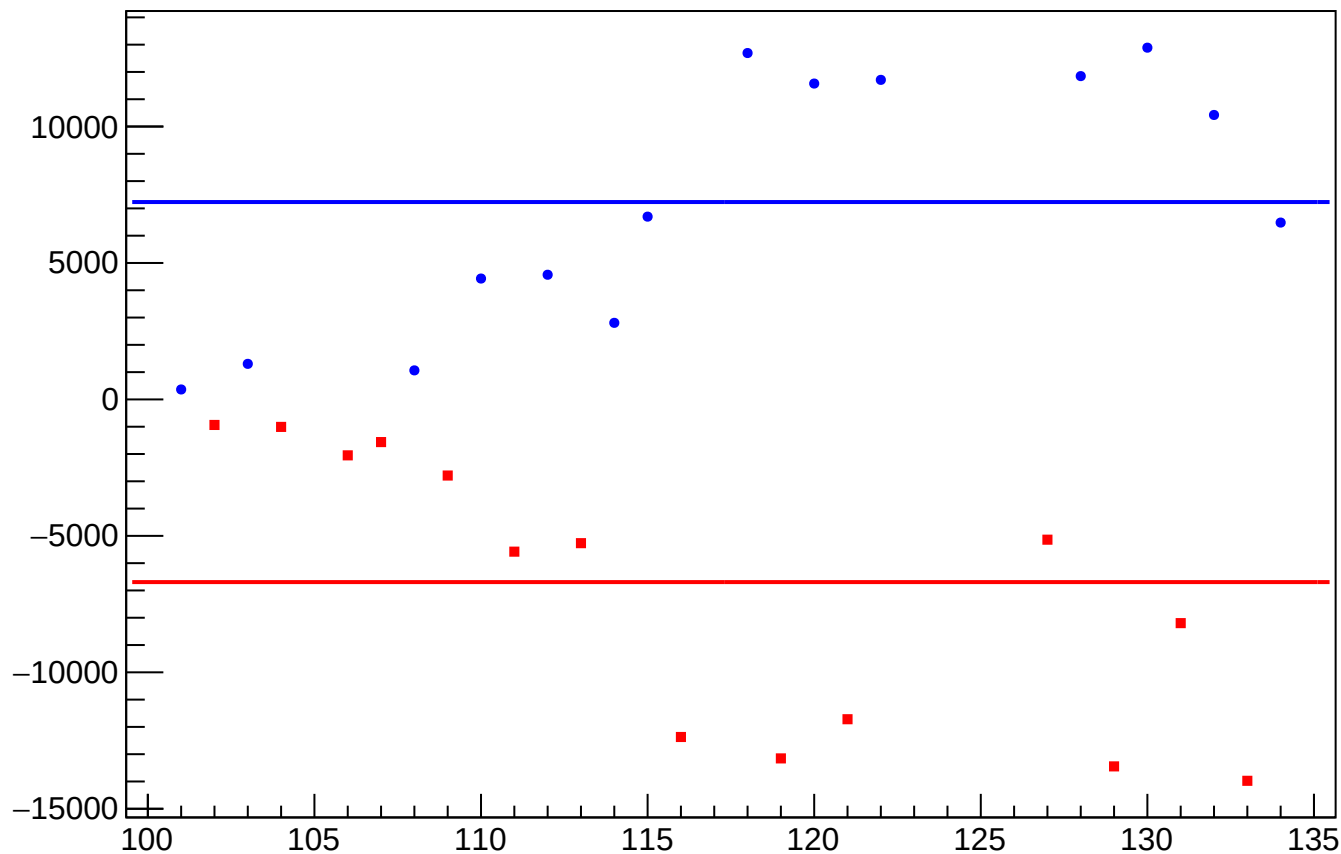
1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

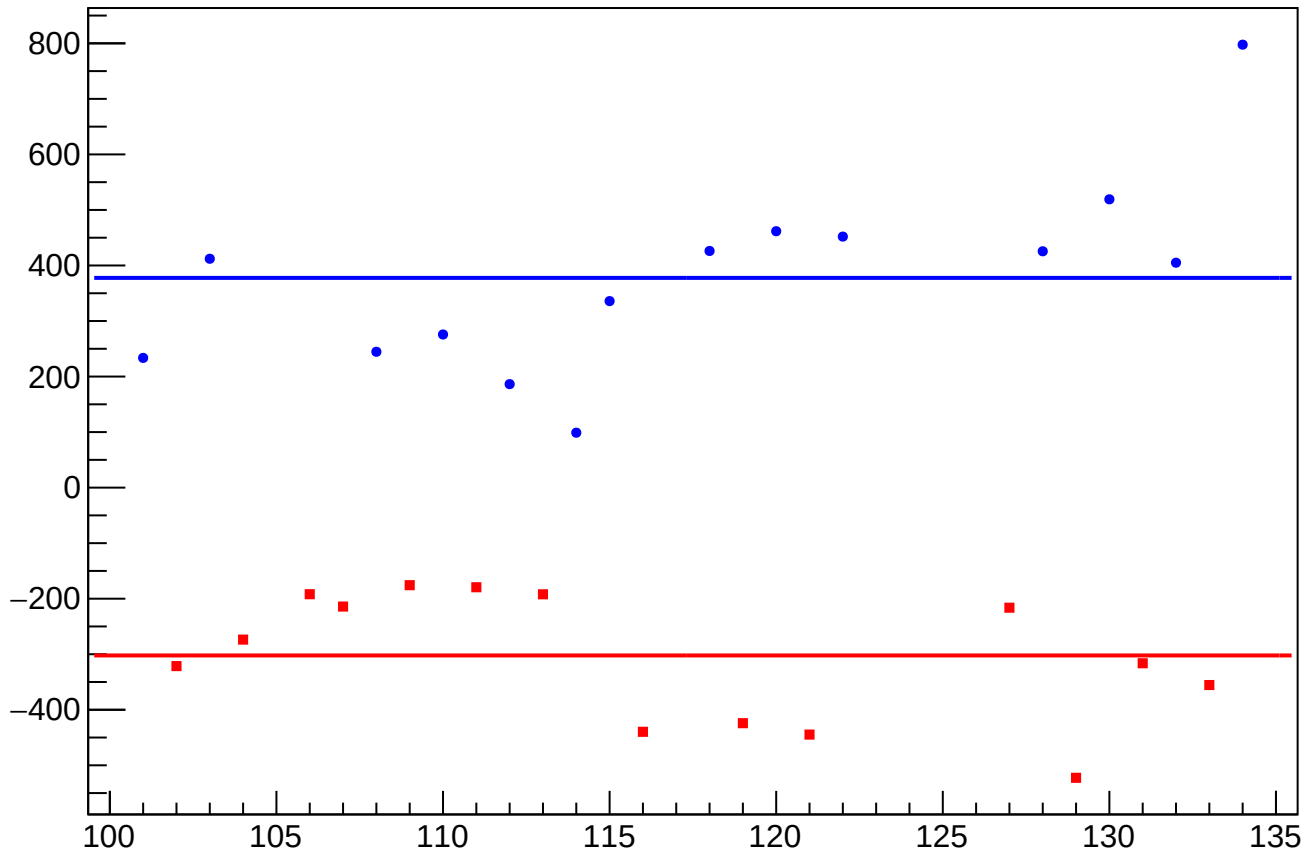


# dit\_sam6\_coil7\_mean vs Slug, Sign Corrected



Right In: 7232.902+/-0.000  $\chi^2/\text{NDF}$ : 13468546200282514855364640048158179590144.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -6693.785+/-0.000  $\chi^2/\text{NDF}$ : 14492516796908360241851188404666184499200.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil7\_err\_mean vs Slug, Sign Corrected



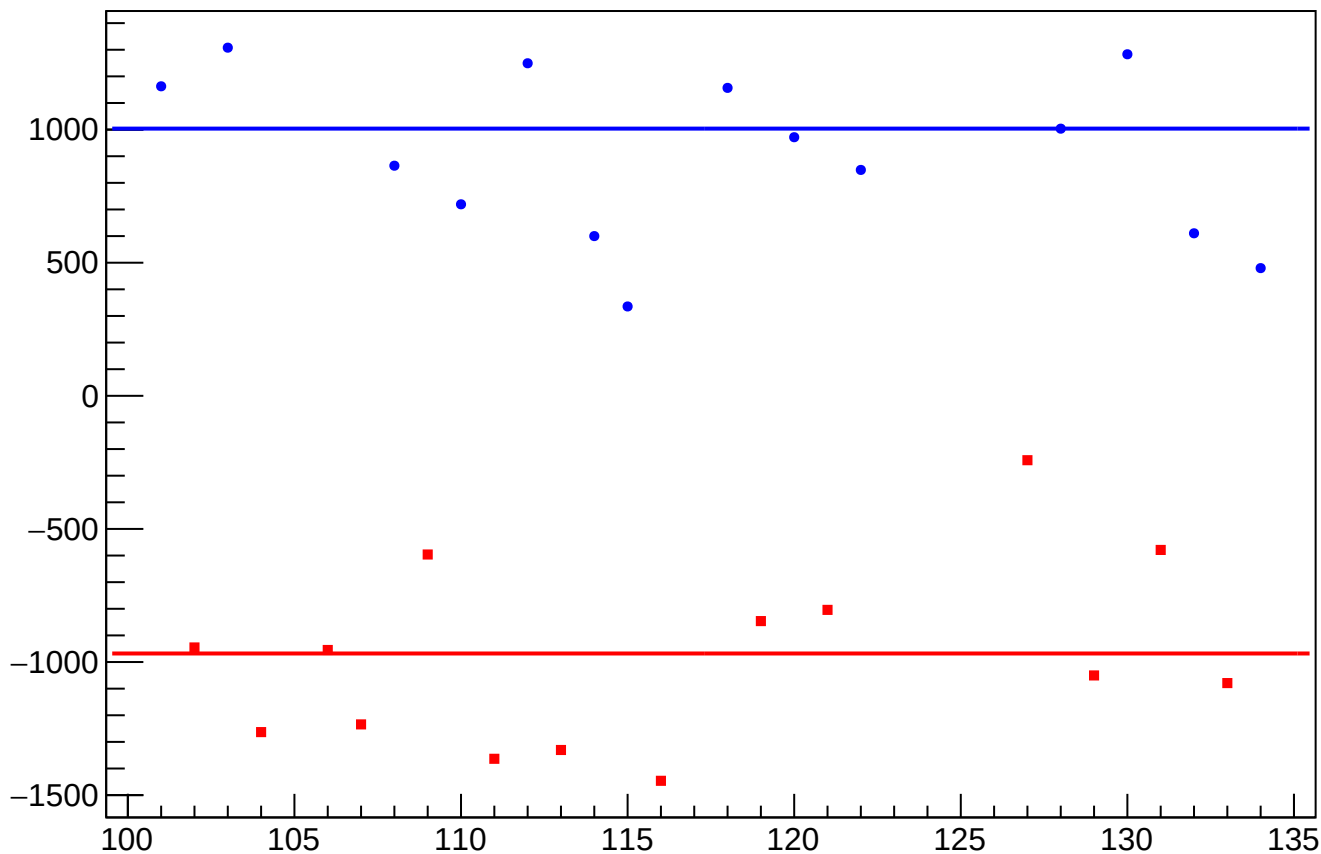
Right In: 377.671+/-0.000  $\chi^2/\text{NDF}$ : 10628346923252832777567319824770531328.0/13

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

Right Out: -302.195+/-0.000  $\chi^2/\text{NDF}$ : 7299409734200178201089834186906271744.0/13

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

dit\_sam6\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

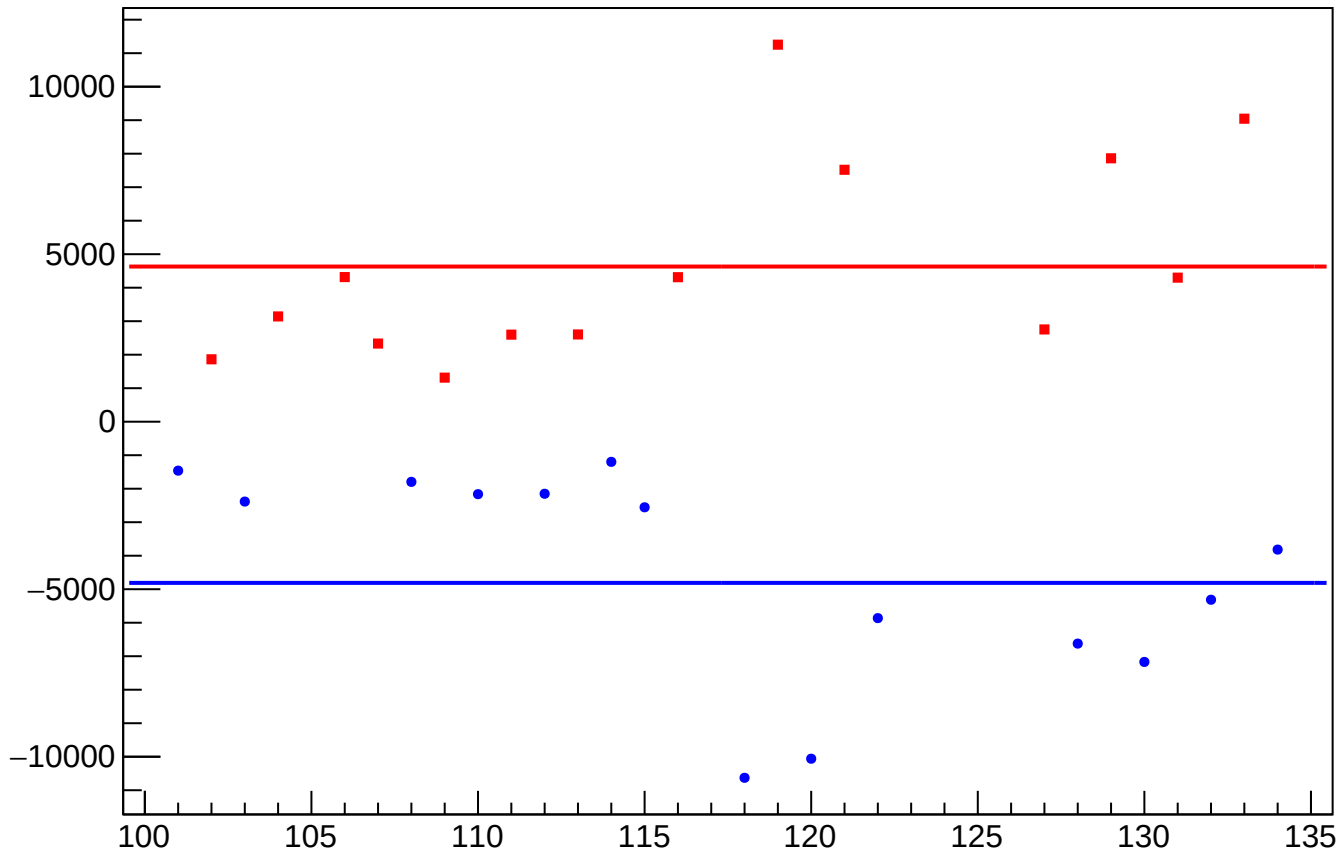
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

# dit\_sam7\_coil7\_mean vs Slug, Sign Corrected



Right In: -4810.898+/-0.000  $\chi^2/\text{NDF}$ : 5445252271428753938497169941935058583552.0/13

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

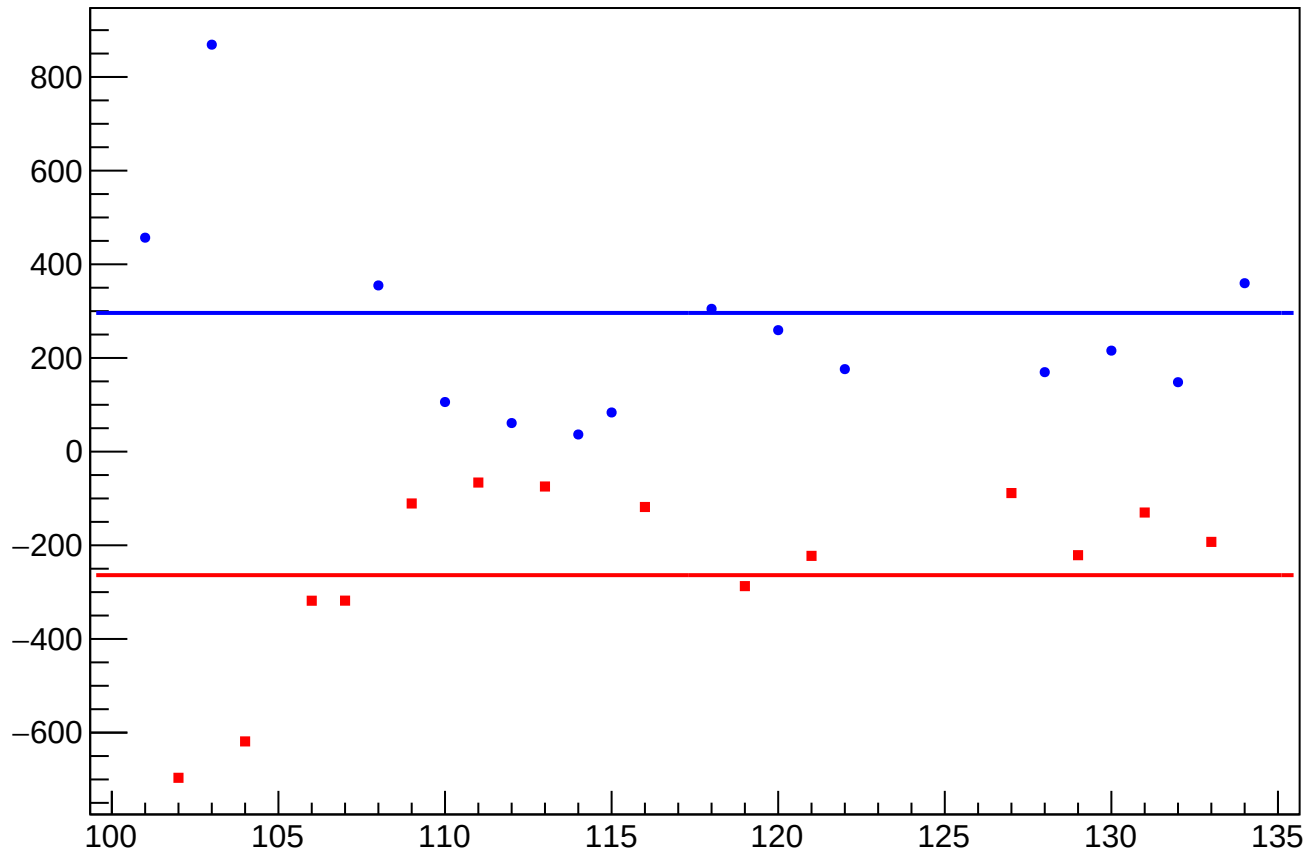
Right Out: 4631.489+/-0.000  $\chi^2/\text{NDF}$ : 5722878852793100298715750076798510039040.0/13

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

68.888+/-0.000  $\chi^2/\text{NDF}$ : 3701723452538

4631.489+/-0.000  $\chi^2/\text{NDF}$ : 5722878852793100

dit\_sam7\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 296.162+/-0.000  $\chi^2/\text{NDF}$ : 29203751821730863568954774641090494464.0/13

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

Right Out: -263.766+/-0.000  $\chi^2/\text{NDF}$ : 24989409856898334558258302390884106240.0/13

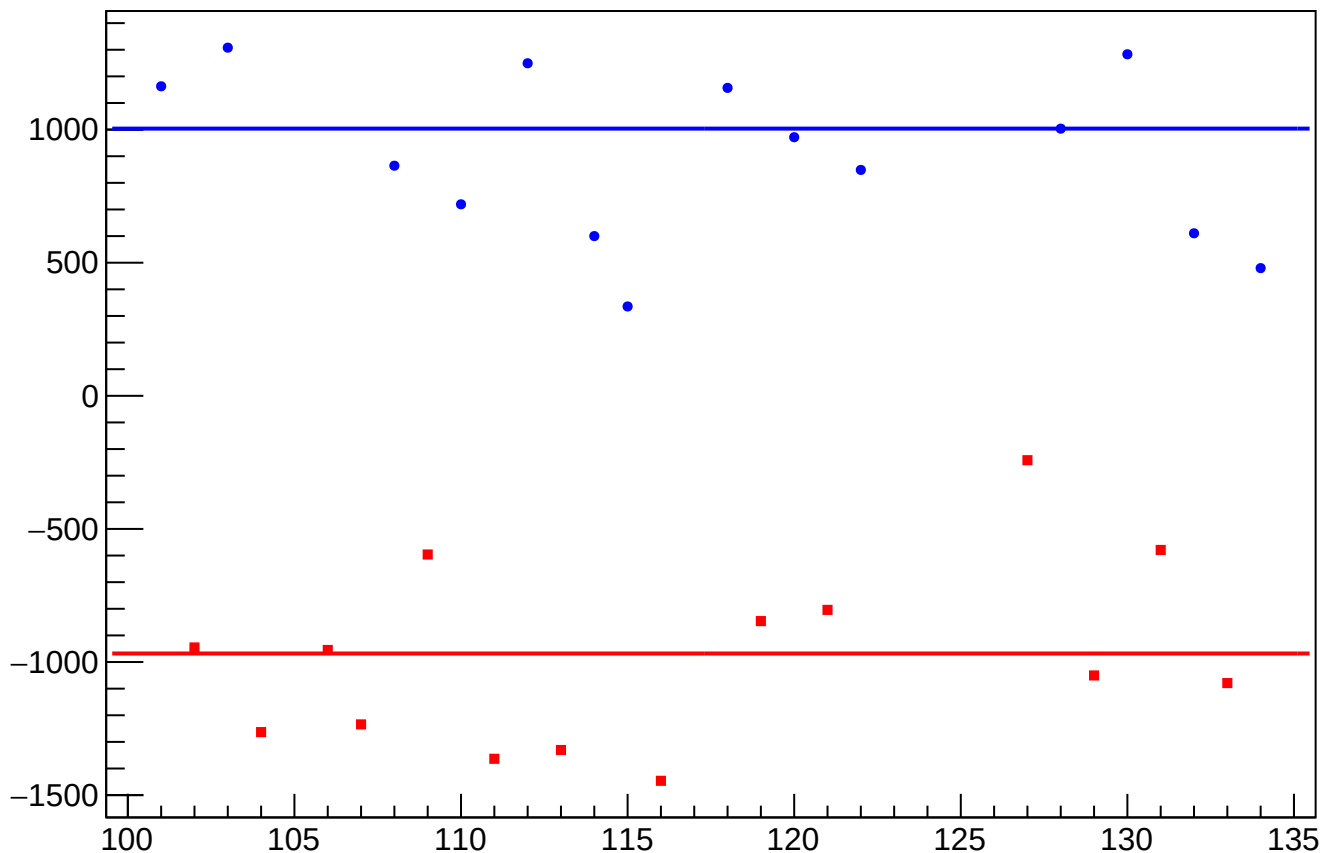
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

296.162+/-0.000  $\chi^2/\text{NDF}$ : 29203751821730863

6.793+/-0.000  $\chi^2/\text{NDF}$ : 14508941955832

-263.766+/-0.000  $\chi^2/\text{NDF}$ : 2498940985689833

dit\_sam7\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

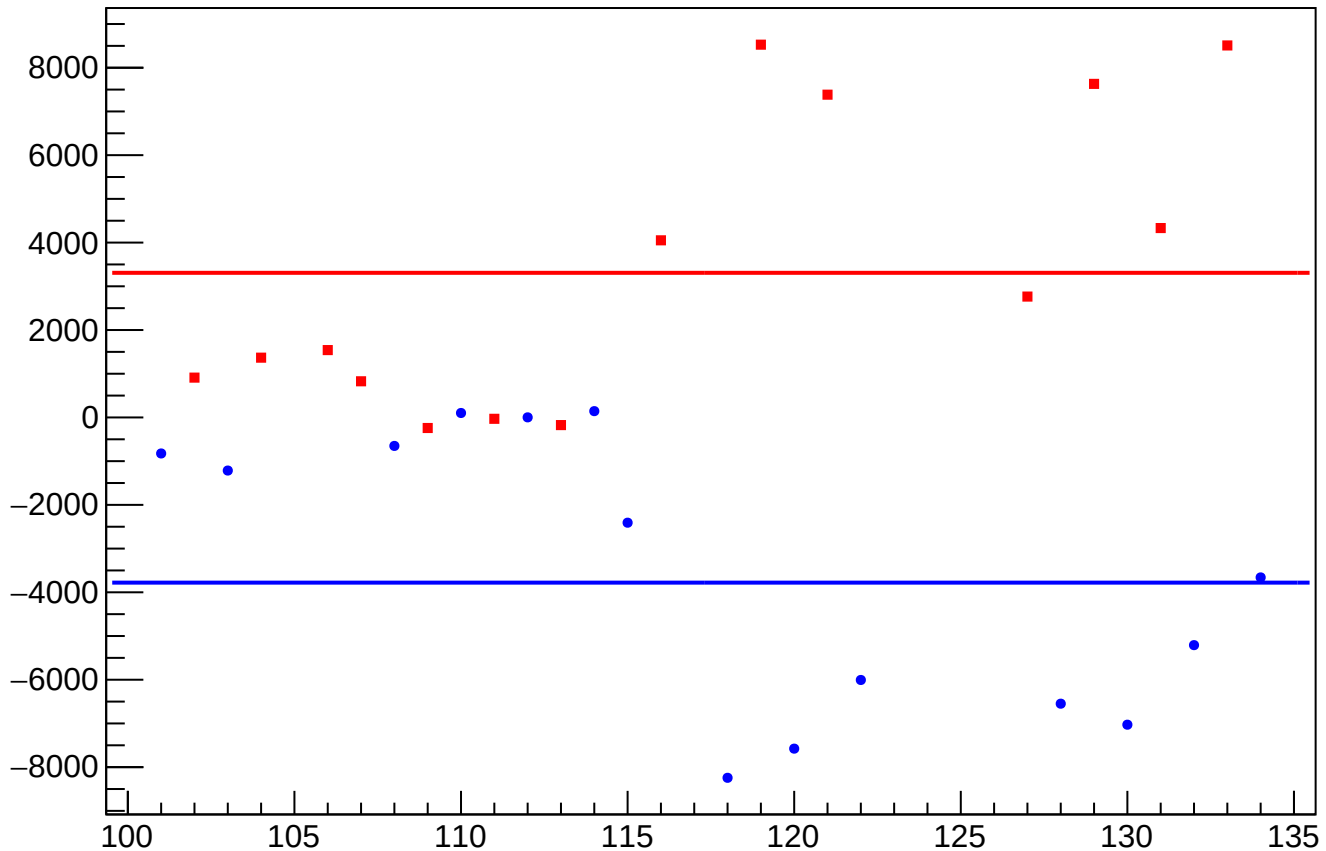
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

# dit\_sam8\_coil7\_mean vs Slug, Sign Corrected



Right In: -3778.796+/-0.000  $\chi^2/\text{NDF}$ : 5524210082123608746746093937605390368768.0/13

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

-3778.796+/-0.000  $\chi^2/\text{NDF}$ : 552421008212360

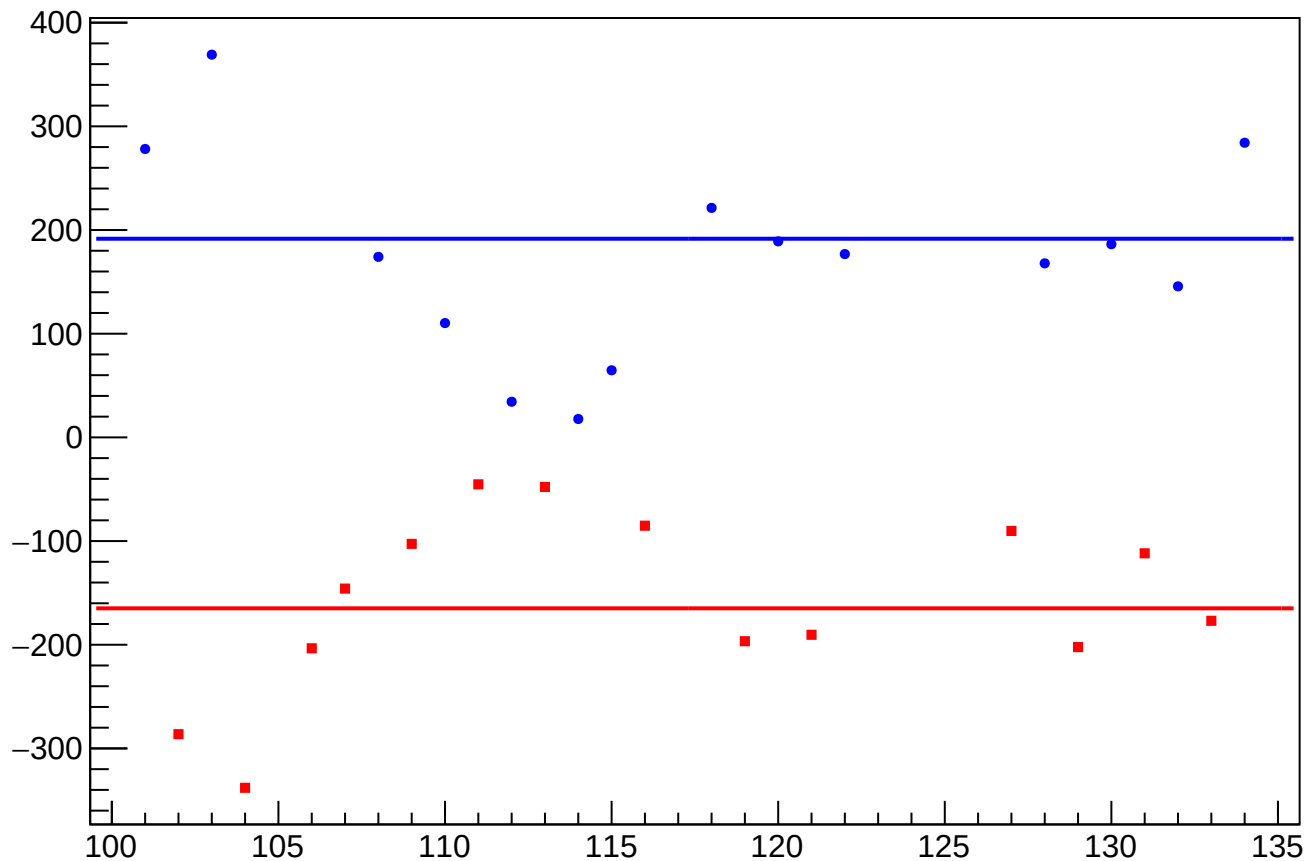
-116.173+/-0.000  $\chi^2/\text{NDF}$ : 26700873693

Right Out: 3308.379+/-0.000  $\chi^2/\text{NDF}$ : 6614421243794102609992624360281855754240.0/13

3308.379+/-0.000  $\chi^2/\text{NDF}$ : 6614421243794102

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

dit\_sam8\_coil7\_err\_mean vs Slug, Sign Corrected



Right In: 191.595+/-0.000  $\chi^2/\text{NDF}$ : 4688049363730601682527320193626013696.0/13

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

Right Out: -164.868+/-0.000  $\chi^2/\text{NDF}$ : 4552837407025875586950902418239389696.0/13

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

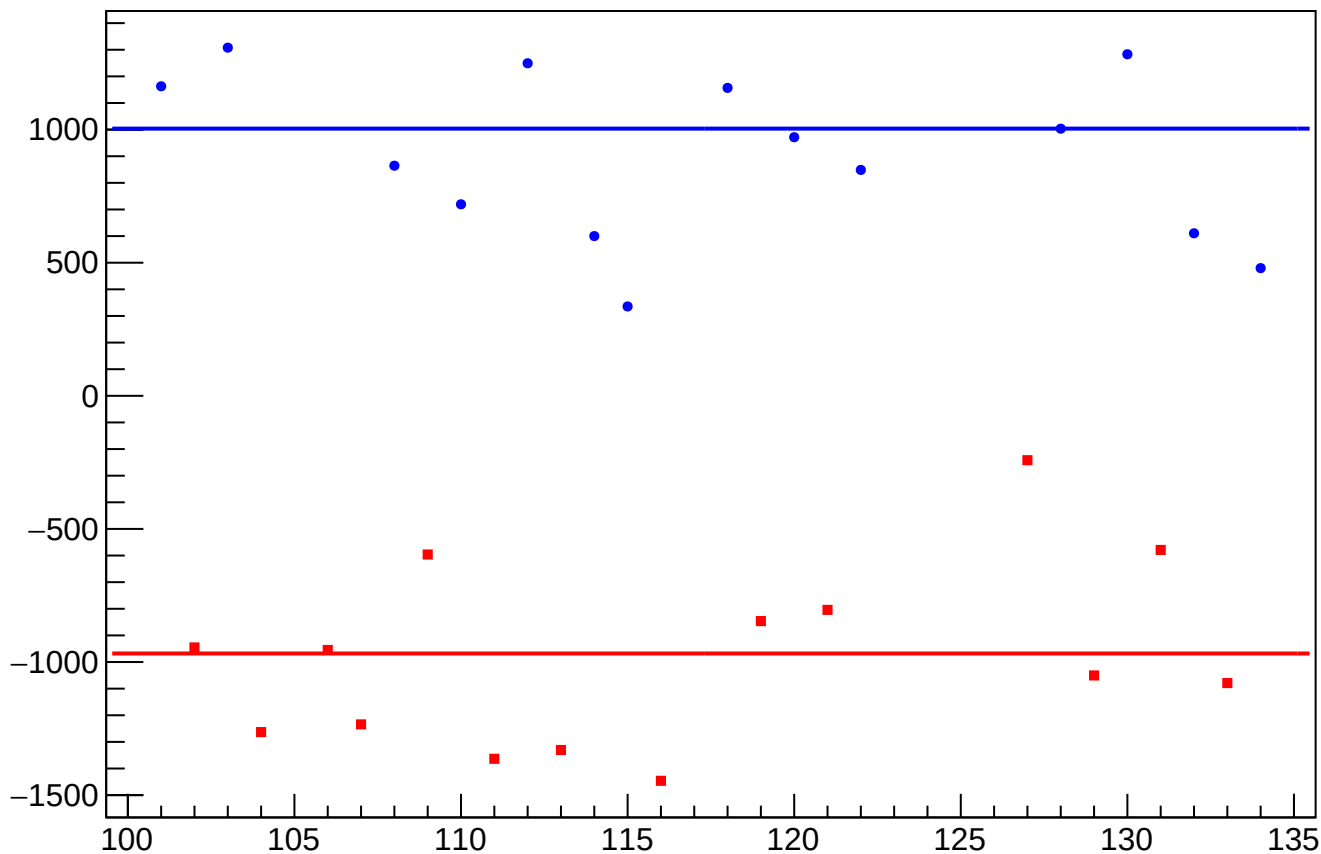
191.595+/-0.000  $\chi^2/\text{NDF}$ : 46880493637306016

7.377+/-0.000  $\chi^2/\text{NDF}$ : 46080059035468

-164.868+/-0.000  $\chi^2/\text{NDF}$ : 4552837407025875



dit\_sam8\_coil7\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

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

Right Out: -967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

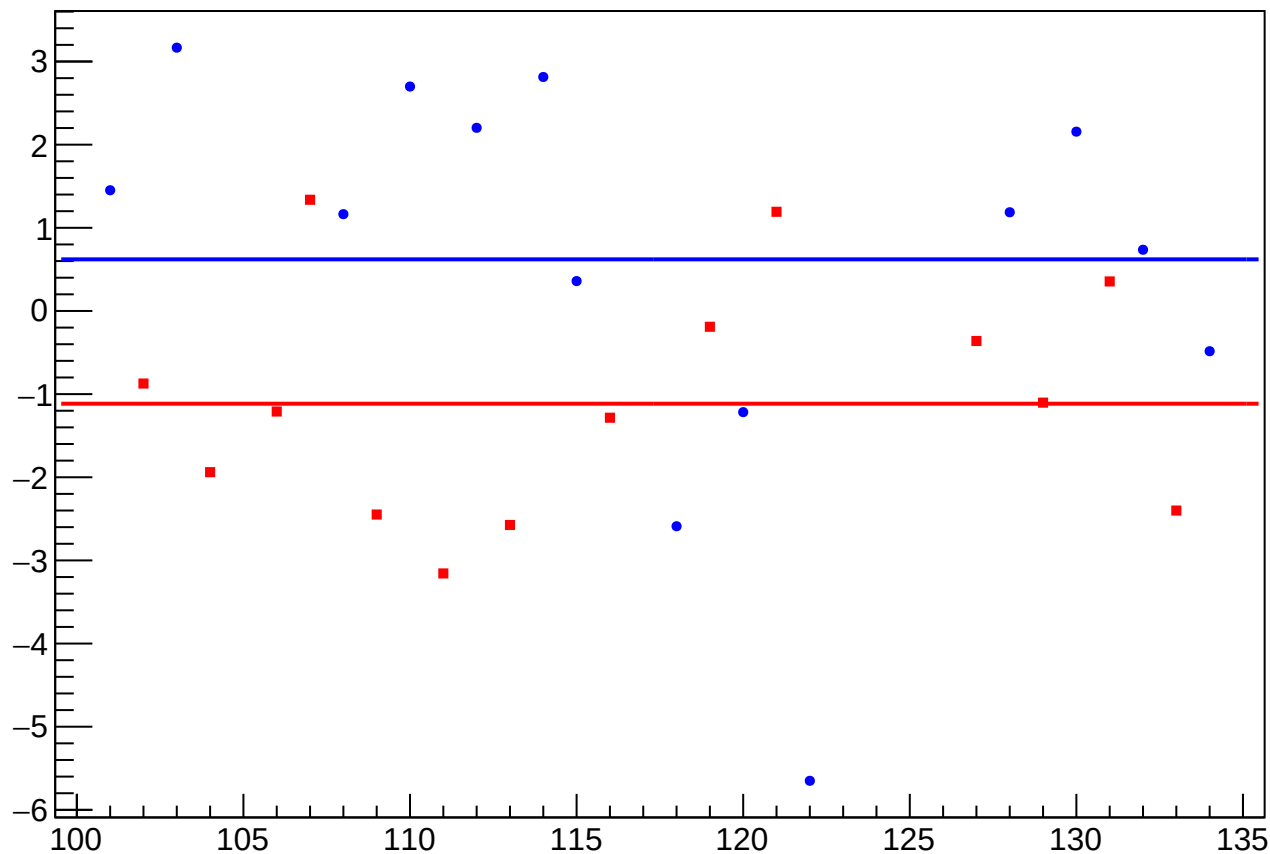
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1003.763+/-0.000  $\chi^2/\text{NDF}$ : 39164302284051971652280139990572204032.0/13

-15.196+/-0.000  $\chi^2/\text{NDF}$ : 123026532562.0/13

-967.922+/-0.000  $\chi^2/\text{NDF}$ : 64015747511278016086627948172452823040.0/13

dit\_4aX\_coil4\_mean vs Slug, Sign Corrected



Right In: 0.621+/-0.000  $\chi^2/\text{NDF}$ : 3204048746141415682362535571357696.0/13

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

Right Out: -1.115+/-0.000  $\chi^2/\text{NDF}$ : 1057274505245495834738353445535744.0/13

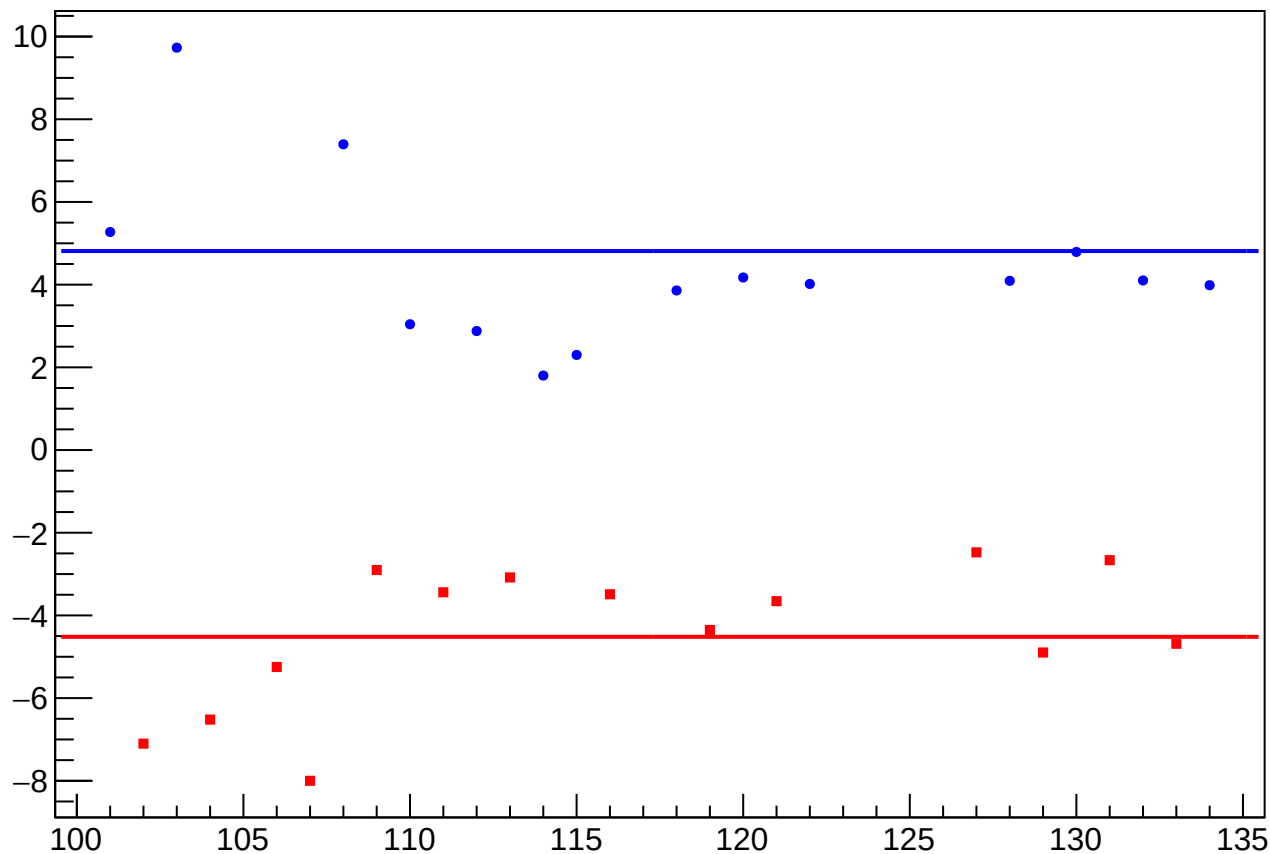
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.621+/-0.000  $\chi^2/\text{NDF}$ : 3204048746141415682362535571357696.0/13

-0.277+/-0.000  $\chi^2/\text{NDF}$ : 51351532388219.0/13

-1.115+/-0.000  $\chi^2/\text{NDF}$ : 1057274505245495834738353445535744.0/13

dit\_4aX\_coil4\_err\_mean vs Slug, Sign Corrected



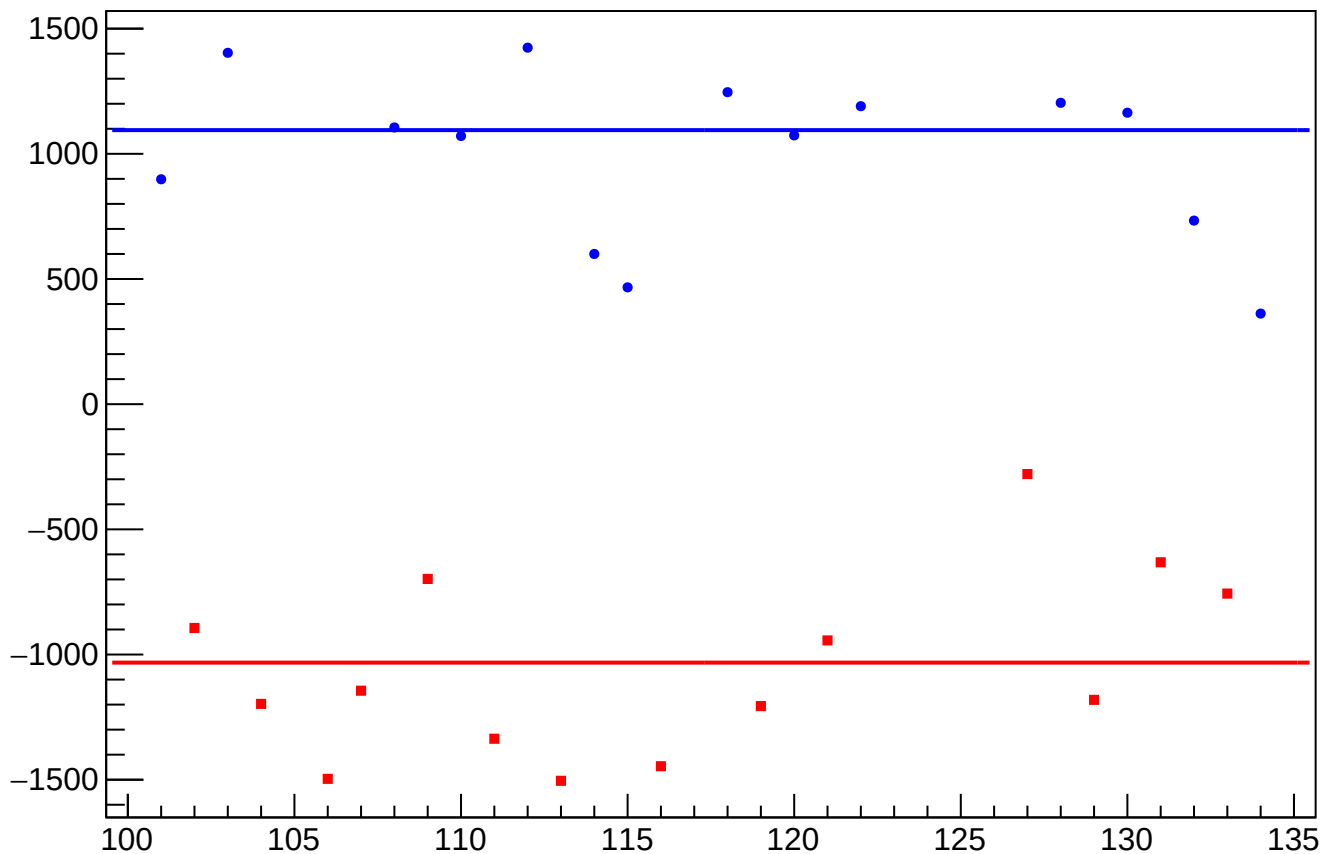
Right In: 4.813+/-0.000  $\chi^2/\text{NDF}$ : 2324910035037293412949343917309952.0/13

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

Right Out: -4.517+/-0.000  $\chi^2$ /NDF: 1699163685890374174509379761471488.0/13

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

dit\_4aX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



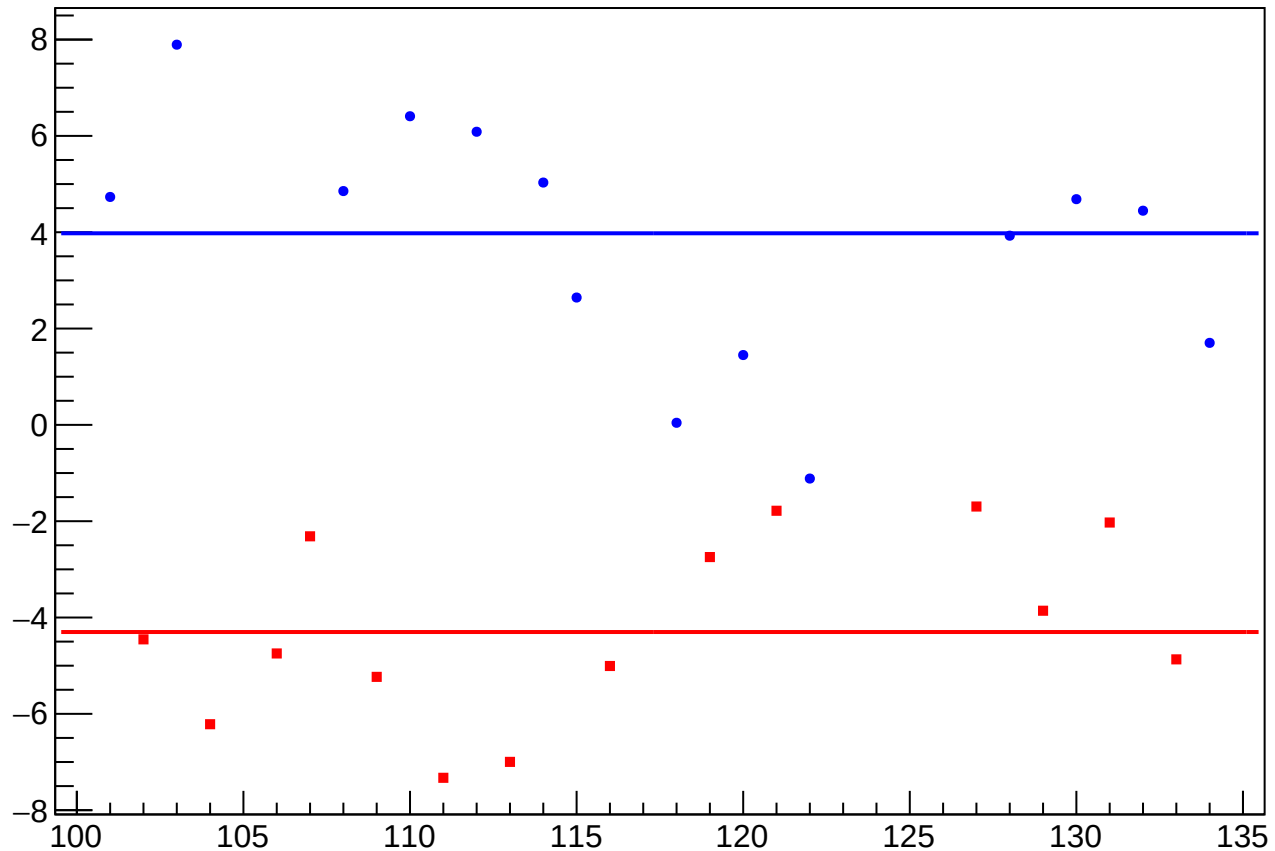
Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

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

# dit\_4eX\_coil4\_mean vs Slug, Sign Corrected



Right In: 3.978+/-0.000  $\chi^2/\text{NDF}$ : 3667429019858280476172296543797248.0/13

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

Right Out: -4.301+/-0.000  $\chi^2/\text{NDF}$ : 2014859570872580067510701113999360.0/13

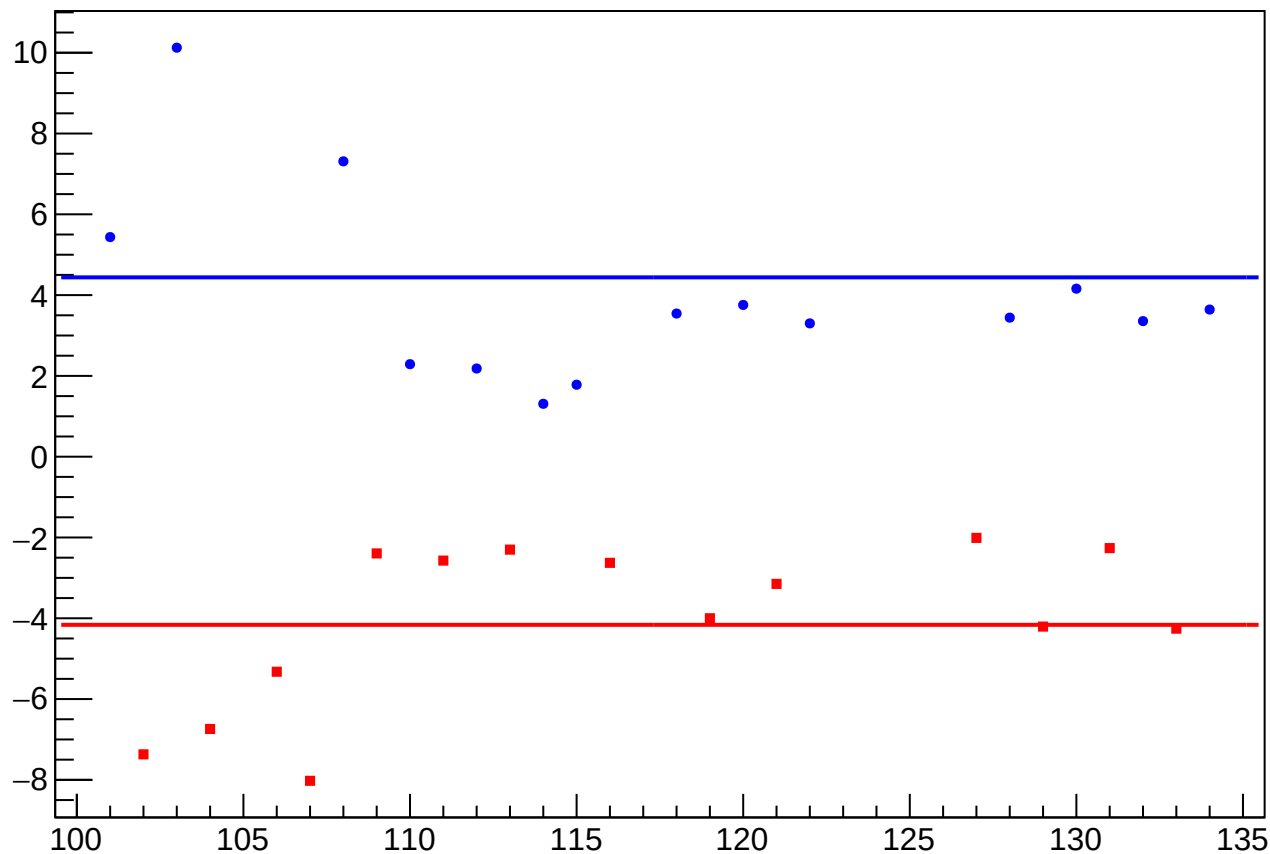
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.978+/-0.000  $\chi^2/\text{NDF}$ : 3667429019858280476

-0.301+/-0.000  $\chi^2/\text{NDF}$ : 2555384942535

-4.301+/-0.000  $\chi^2/\text{NDF}$ : 201485957087258006

# dit\_4eX\_coil4\_err\_mean vs Slug, Sign Corrected



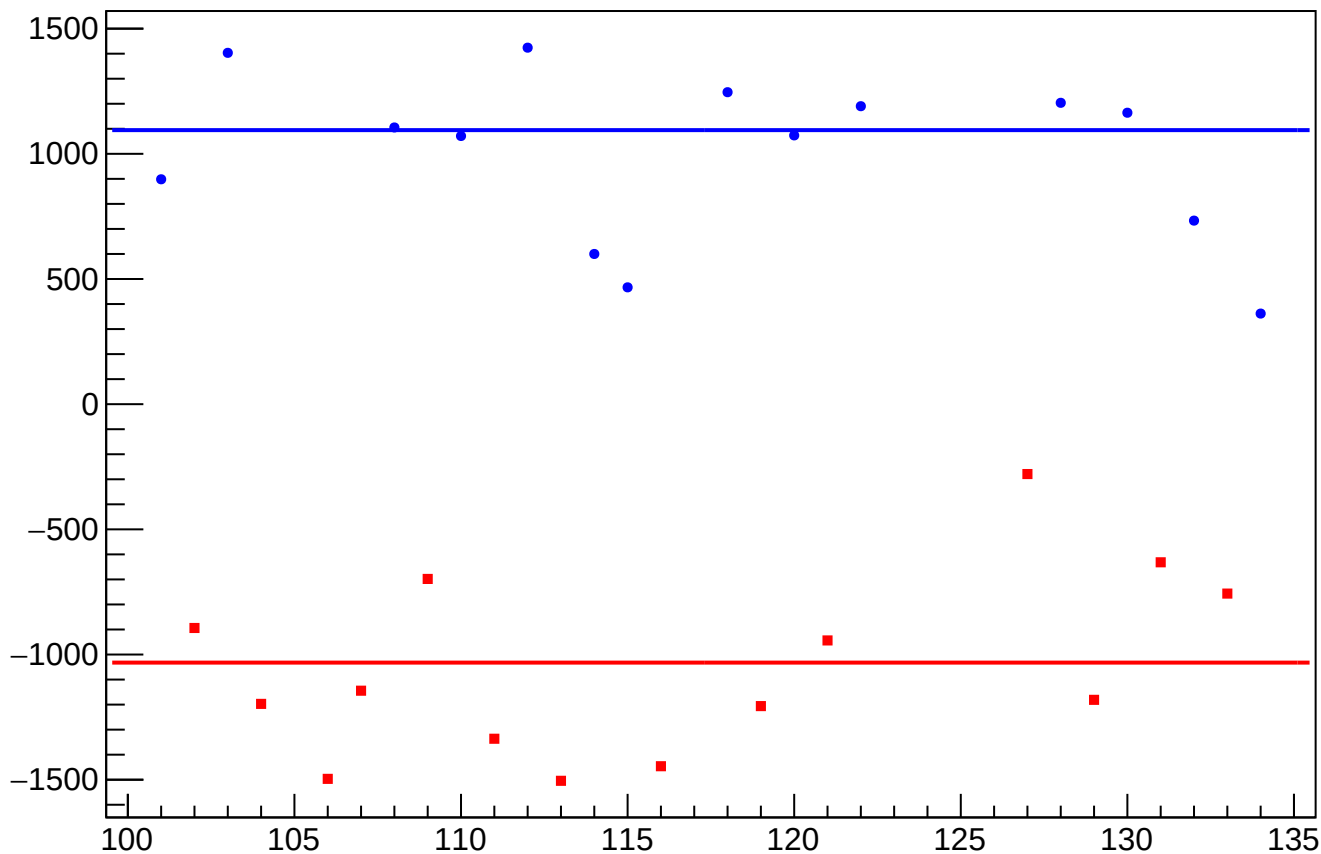
Right In: 4.439+/-0.000  $\chi^2/\text{NDF}$ : 3127552156650383061911692436832256.0/13

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

Right Out: -4.162+/-0.000  $\chi^2/\text{NDF}$ : 2383189049175089147531691850465280.0/13

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

dit\_4eX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



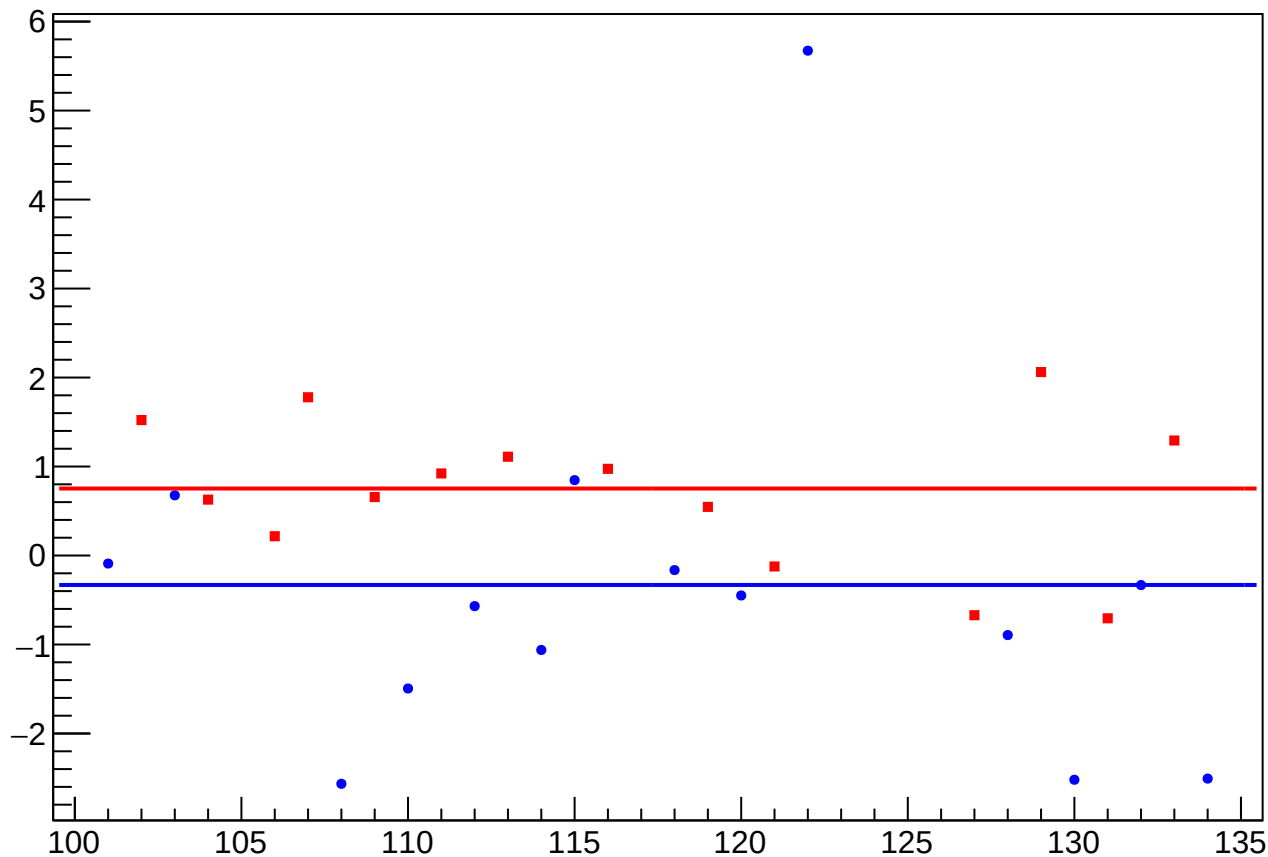
Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

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

dit\_11X12X\_coil4\_mean vs Slug, Sign Corrected



Right In: -0.331+/-0.000  $\chi^2/\text{NDF}$ : 2176675247163344968476901158944768.0/13

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

Right Out: 0.753+/-0.000  $\chi^2/\text{NDF}$ : 375383000215547378389988262543360.0/13

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

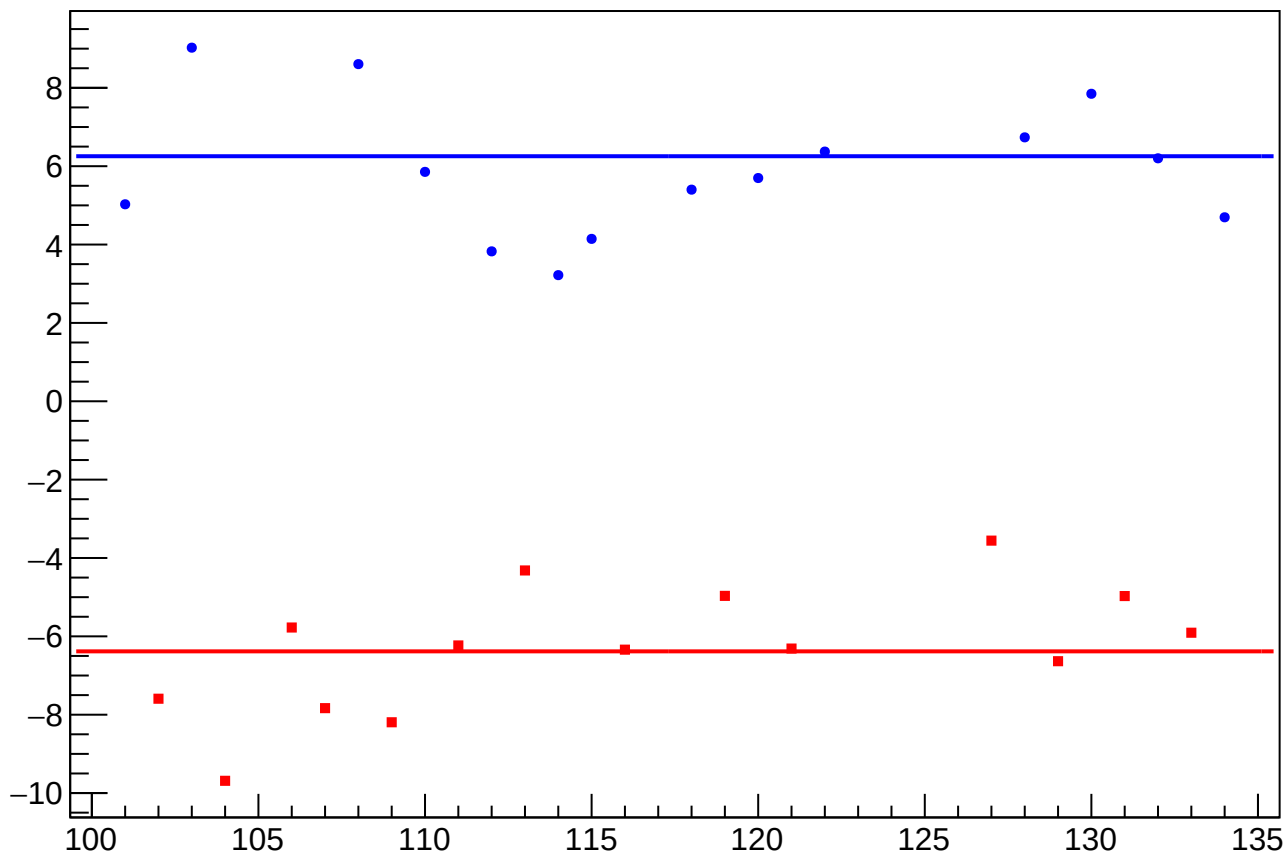
-0.331+/-0.000  $\chi^2/\text{NDF}$ : 217667524716334496

0.229+/-0.000  $\chi^2/\text{NDF}$ : 28925012037651

0.753+/-0.000  $\chi^2/\text{NDF}$ : 3753830002155473783

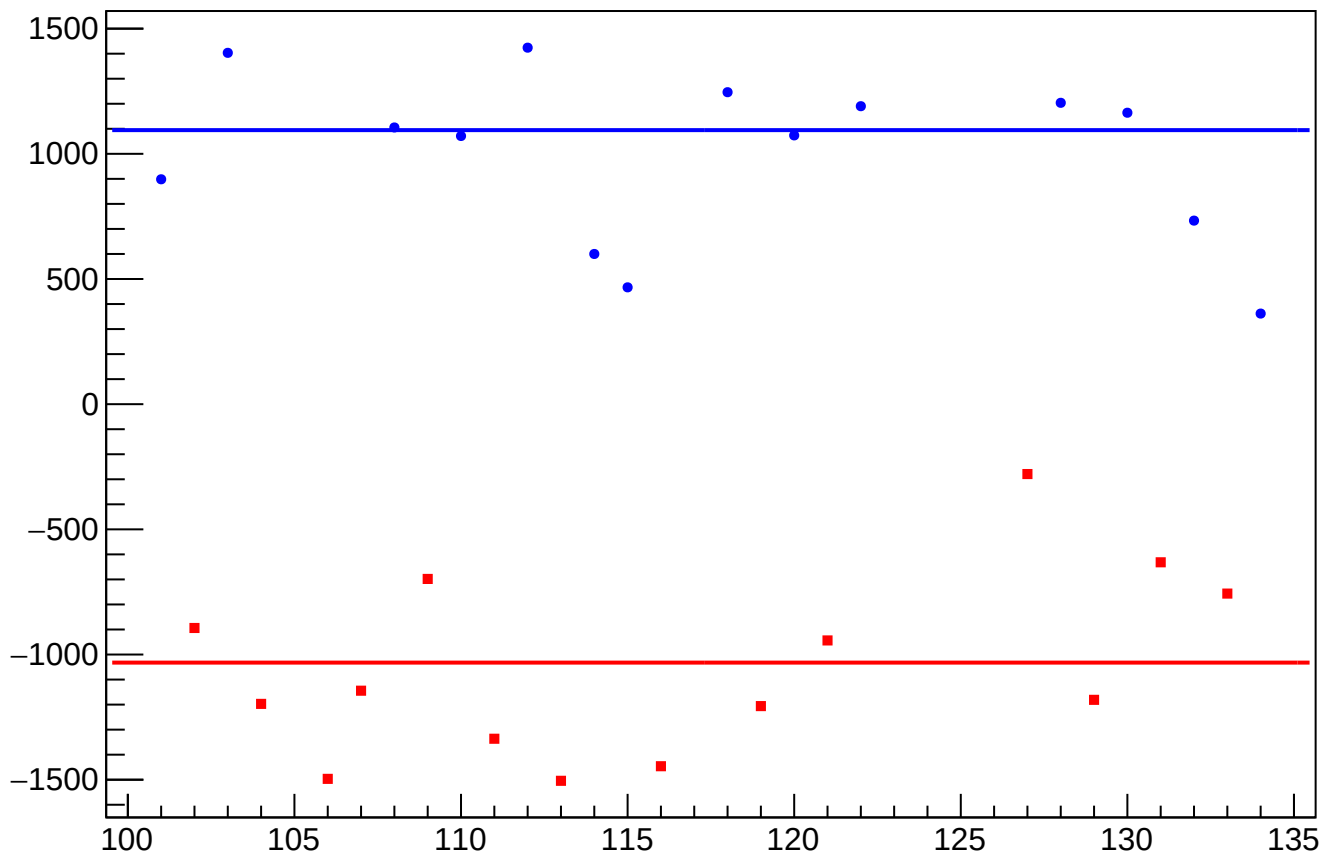


dit\_11X12X\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 6.254+/-0.000  $\chi^2/\text{NDF}$ : 1463556979731565089428514279522304.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -6.383+/-0.000  $\chi^2/\text{NDF}$ : 1628896959418609582125986684600320.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

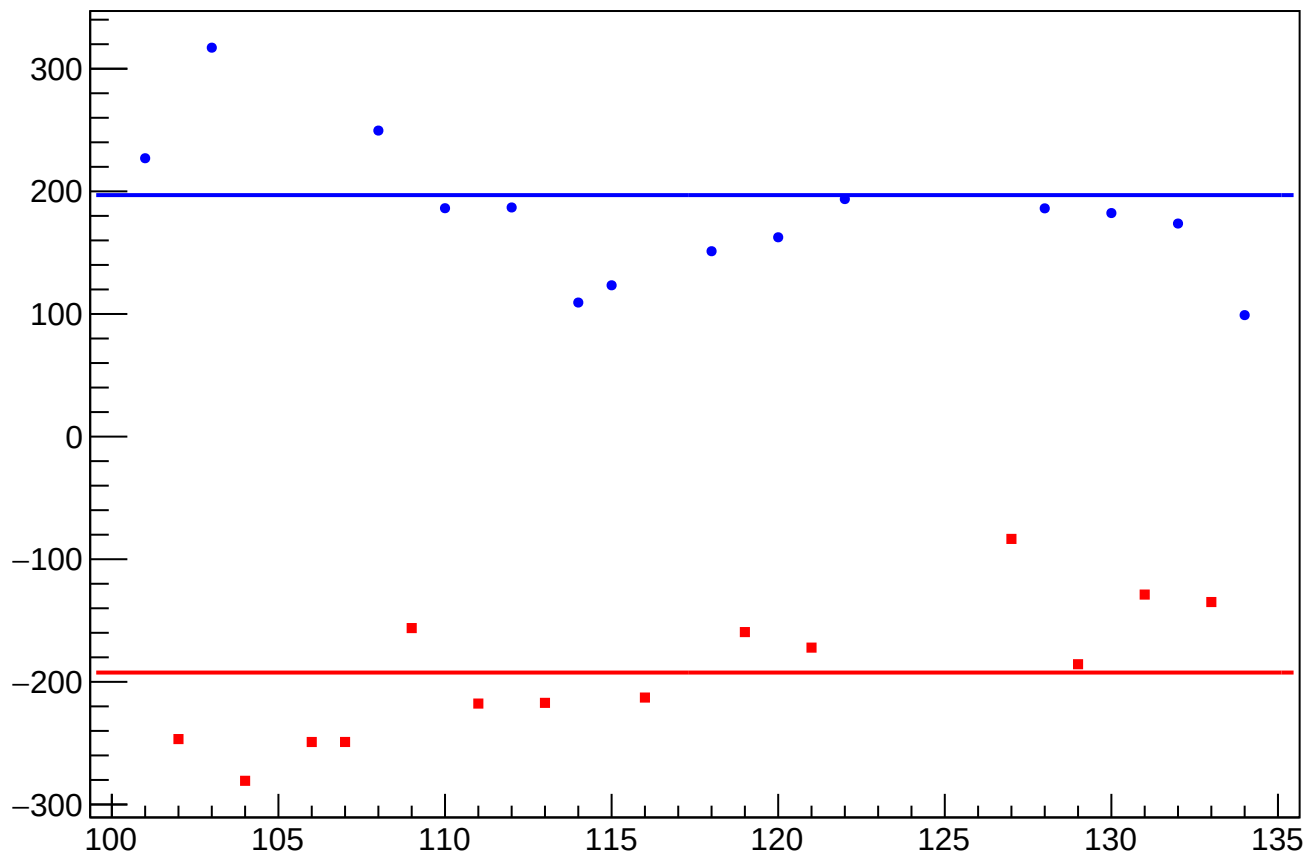
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

dit\_4aY\_coil4\_mean vs Slug, Sign Corrected



Right In: 196.942 $\pm$ 0.000  $\chi^2$ /NDF: 1568593025569294958886082651881472000.0/13

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

Right Out: -192.418 $\pm$ 0.000  $\chi^2$ /NDF: 1798333710922193770999195224013537280.0/13

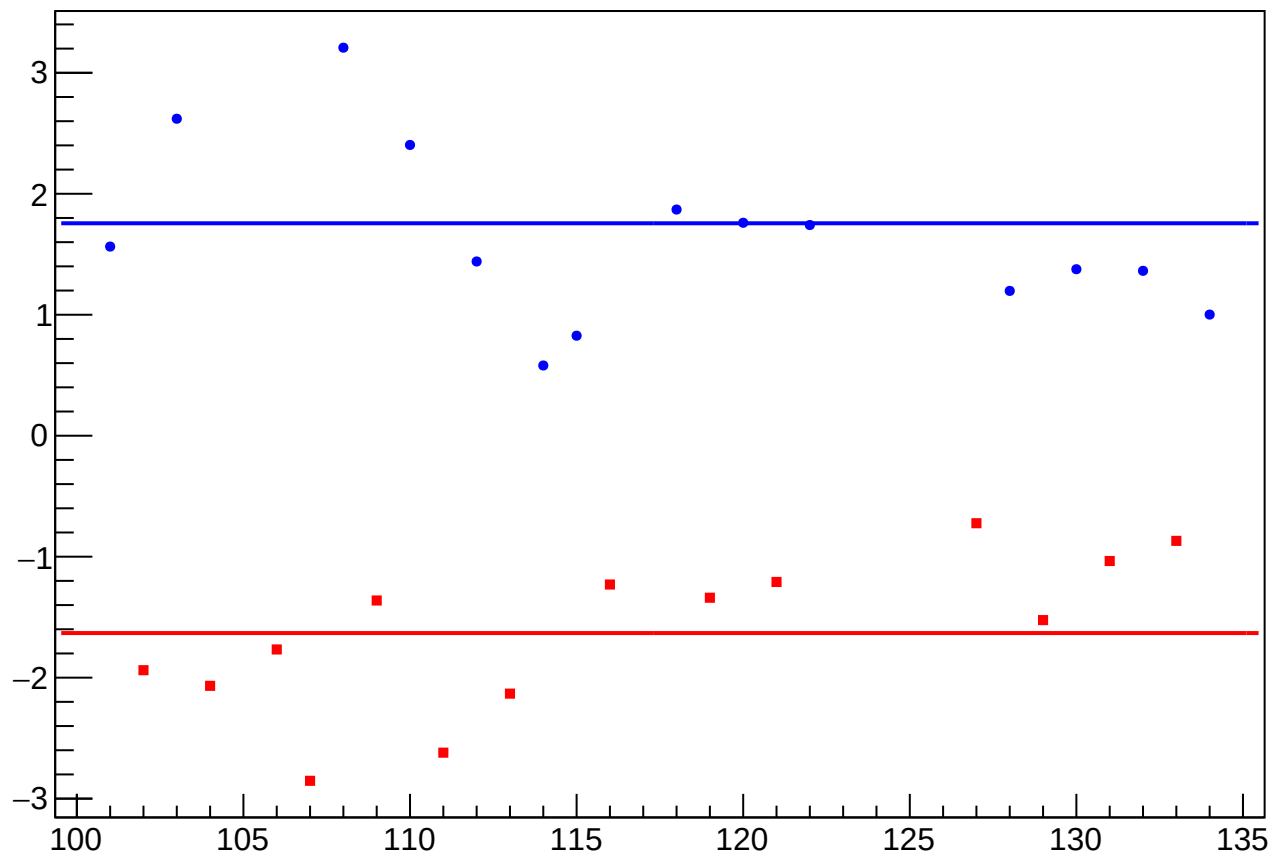
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

196.942 $\pm$ 0.000  $\chi^2$ /NDF: 1568593025569294958886082651881472000.0/13

-4.277 $\pm$ 0.000  $\chi^2$ /NDF: 4731951645063

-192.418 $\pm$ 0.000  $\chi^2$ /NDF: 1798333710922193770999195224013537280.0/13

dit\_4aY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1.756+/-0.000  $\chi^2/\text{NDF}$ : 216279696667730440678853350260736.0/13

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

Right Out: -1.631+/-0.000  $\chi^2/\text{NDF}$ : 217645963648753011564438668443648.0/13

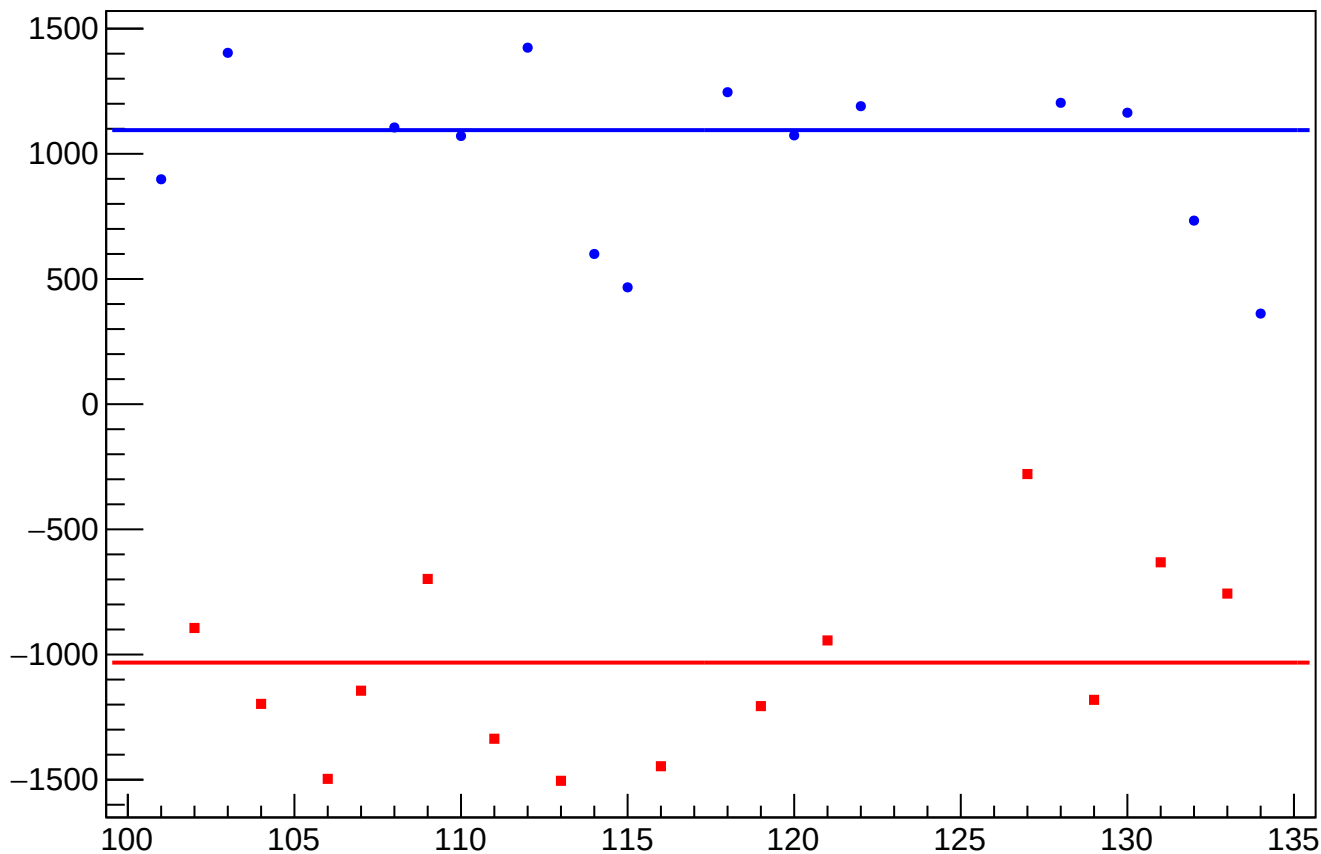
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.756+/-0.000  $\chi^2/\text{NDF}$ : 2162796966677304406

0.006+/-0.000  $\chi^2/\text{NDF}$ : 37606677071120

-1.631+/-0.000  $\chi^2/\text{NDF}$ : 217645963648753011

dit\_4aY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



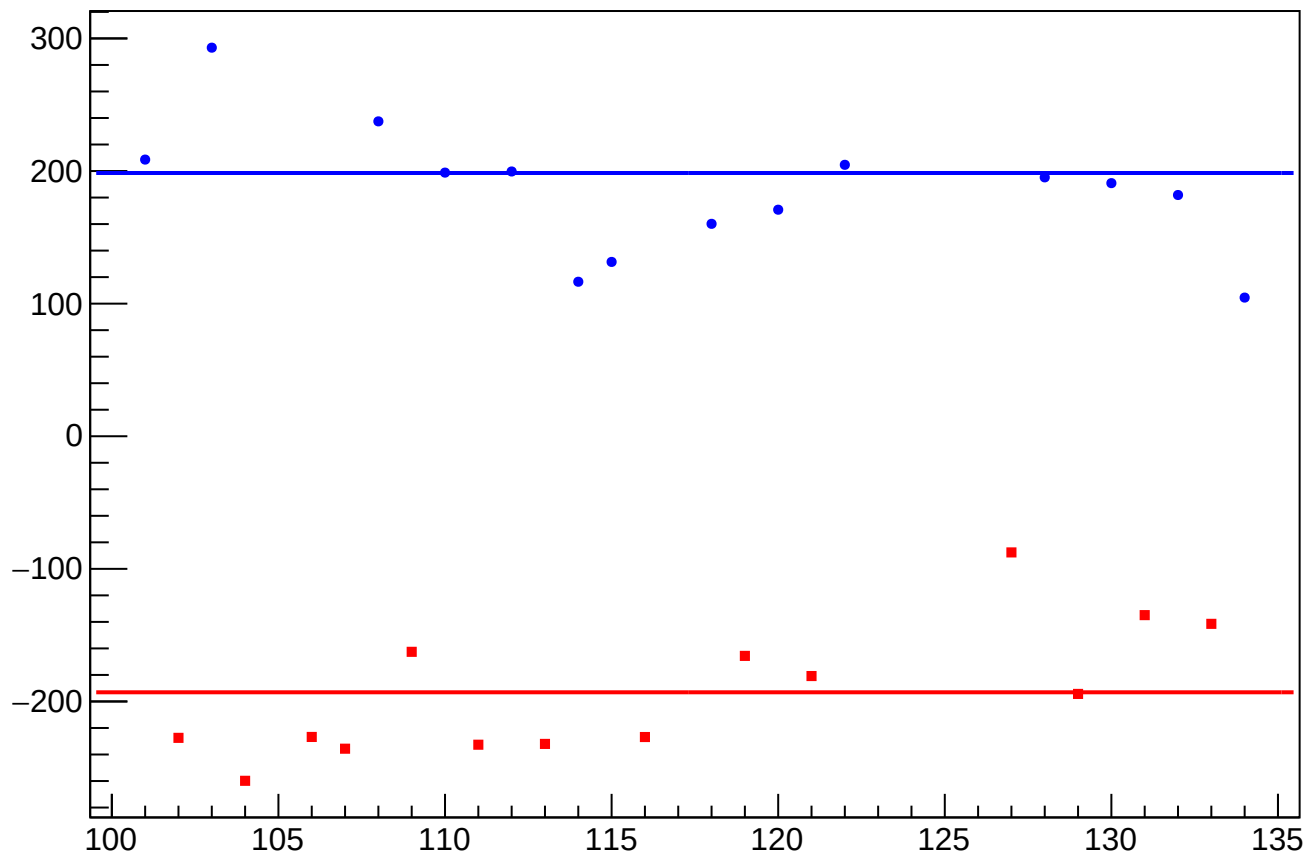
Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

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

# dit\_4eY\_coil4\_mean vs Slug, Sign Corrected



Right In: 198.526+/-0.000  $\chi^2/\text{NDF}$ : 1030233697037194140600330263151509504.0/13

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

Right Out: -193.088+/-0.000  $\chi^2/\text{NDF}$ : 1378294987991954245927905500627730432.0/13

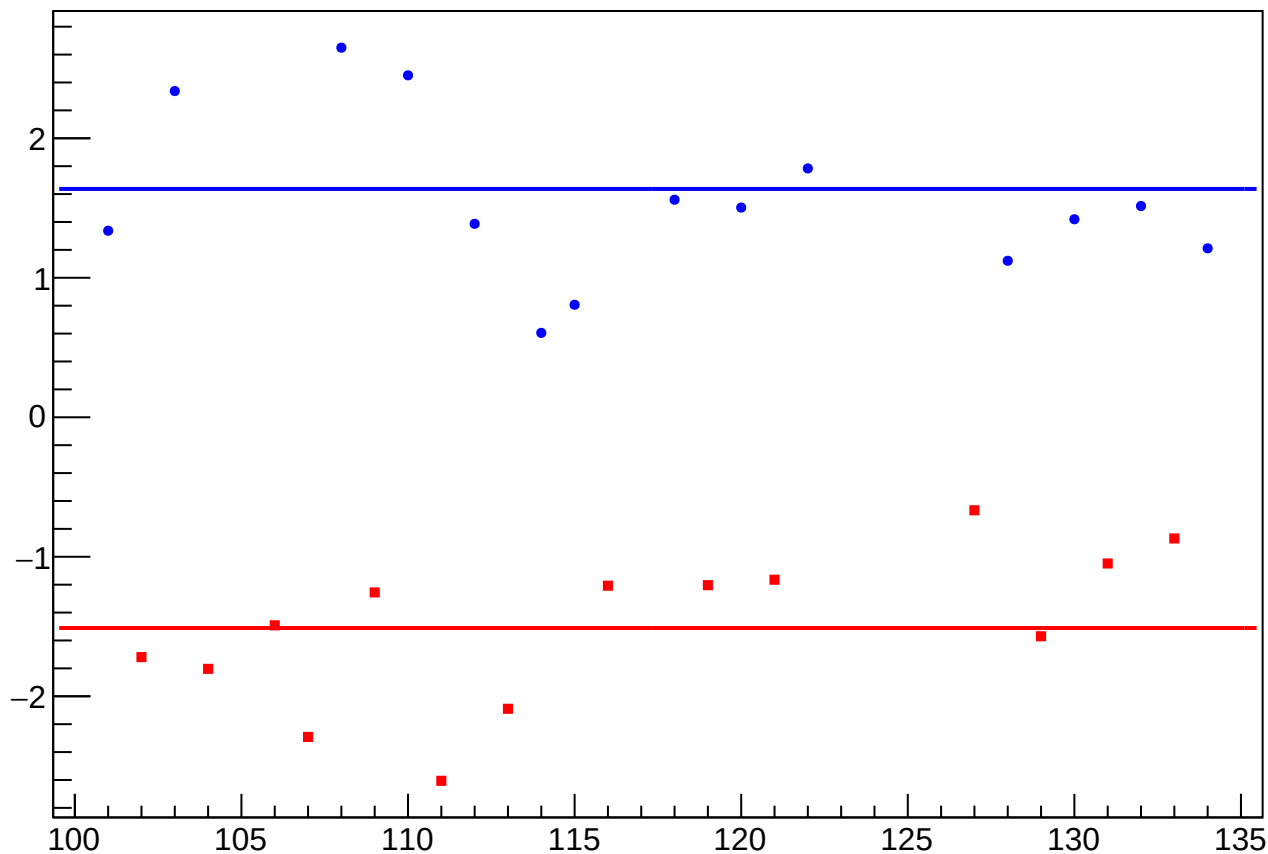
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

198.526+/-0.000  $\chi^2/\text{NDF}$ : 1030233697037194140600330263151509504.0/13

-3.859+/-0.000  $\chi^2/\text{NDF}$ : 468715566518954245927905500627730432.0/13

-193.088+/-0.000  $\chi^2/\text{NDF}$ : 1378294987991954245927905500627730432.0/13

dit\_4eY\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1.637+/-0.000  $\chi^2/\text{NDF}$ : 143761204472779788761309875535872.0/13

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

Right Out: -1.511+/-0.000  $\chi^2/\text{NDF}$ : 168959657178138872075266813853696.0/13

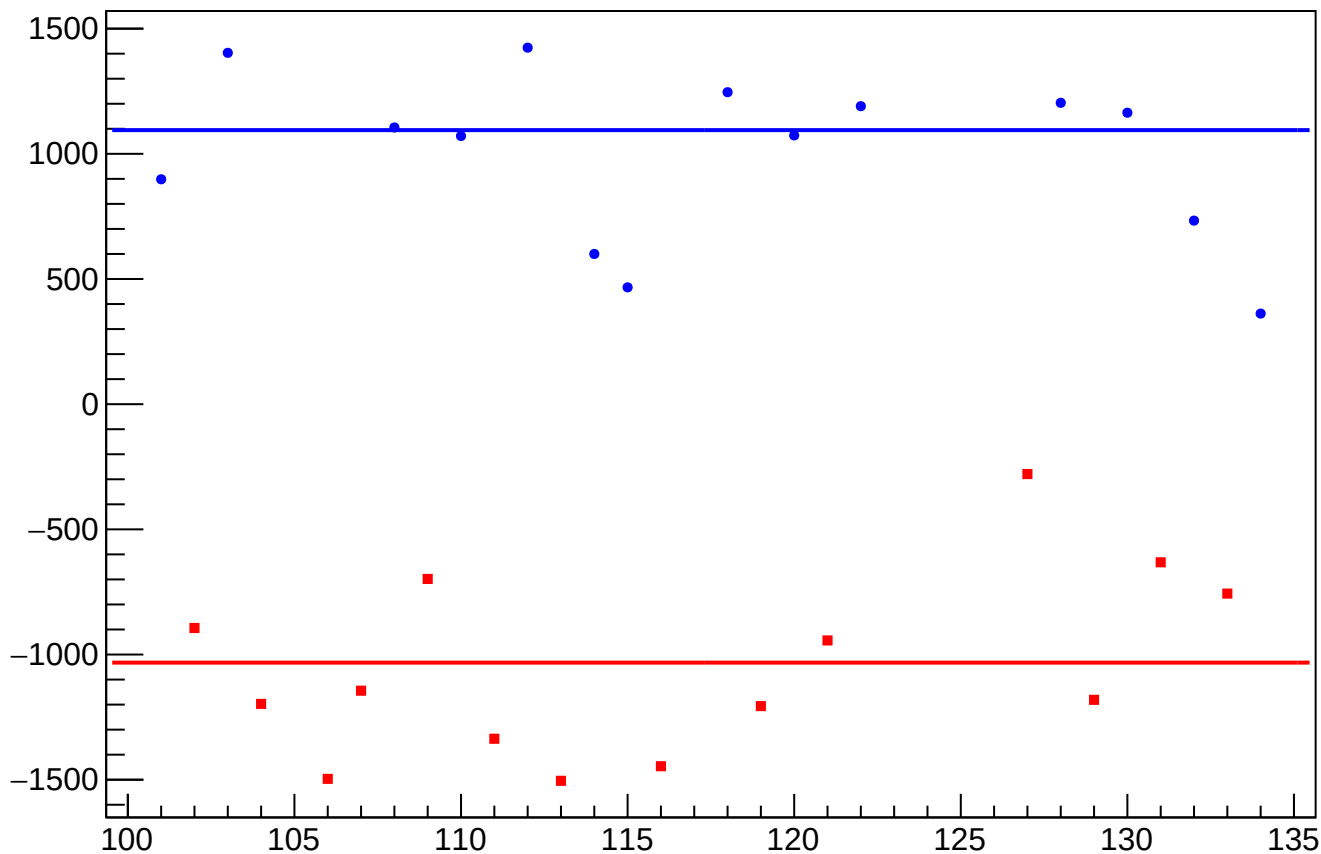
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.637+/-0.000  $\chi^2/\text{NDF}$ : 143761204472779788761309875535872.0/13

0.010+/-0.000  $\chi^2/\text{NDF}$ : 31850435529580.0/13

-1.511+/-0.000  $\chi^2/\text{NDF}$ : 168959657178138872075266813853696.0/13

dit\_4eY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

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

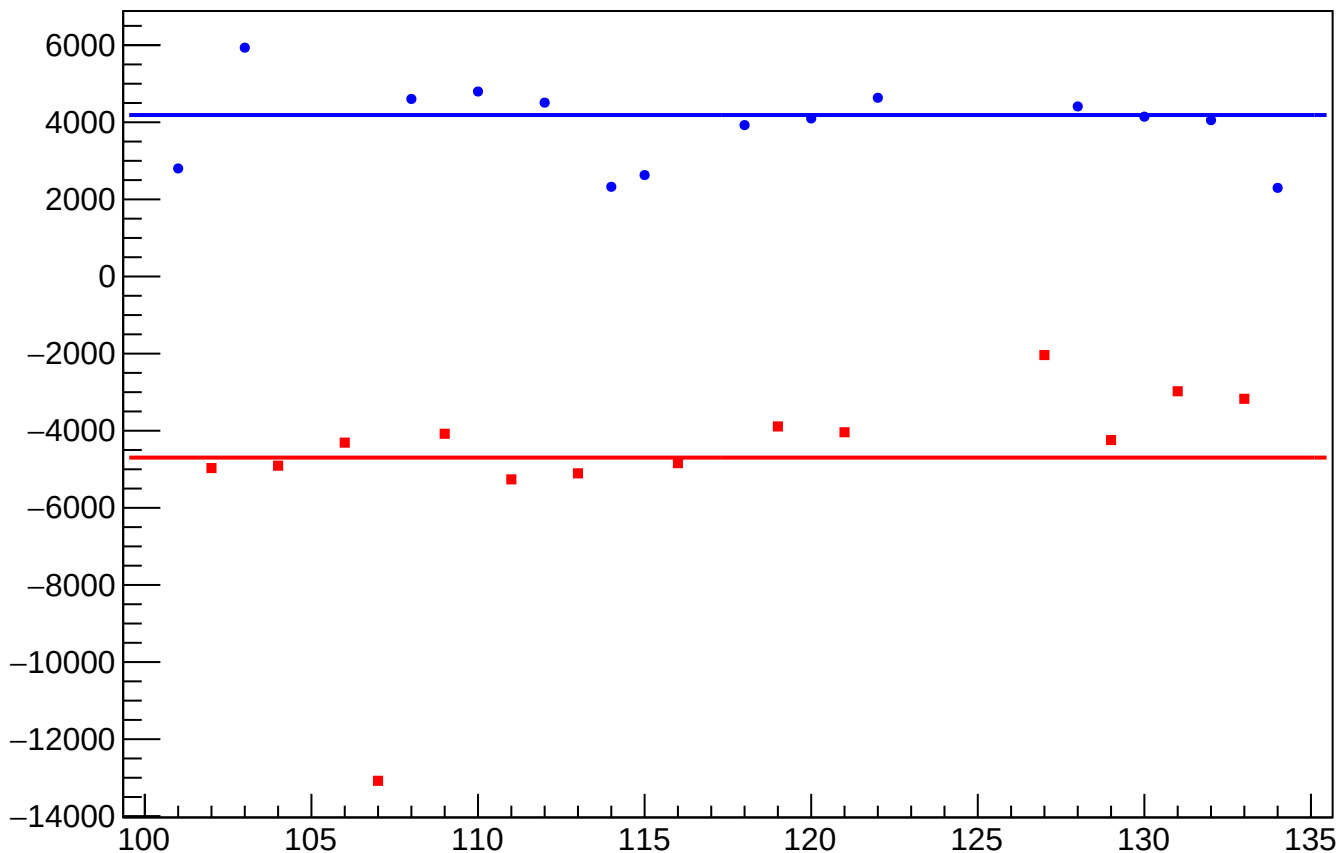
1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040



# dit\_usl\_coil4\_mean vs Slug, Sign Corrected



Right In: 4187.919+/-0.000  $\chi^2/\text{NDF}$ : 479210117757665094188189840392698462208.0/13

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

Right Out: -4696.595+/-0.000  $\chi^2/\text{NDF}$ : 3158484895988705719150611515700502593536.0/13

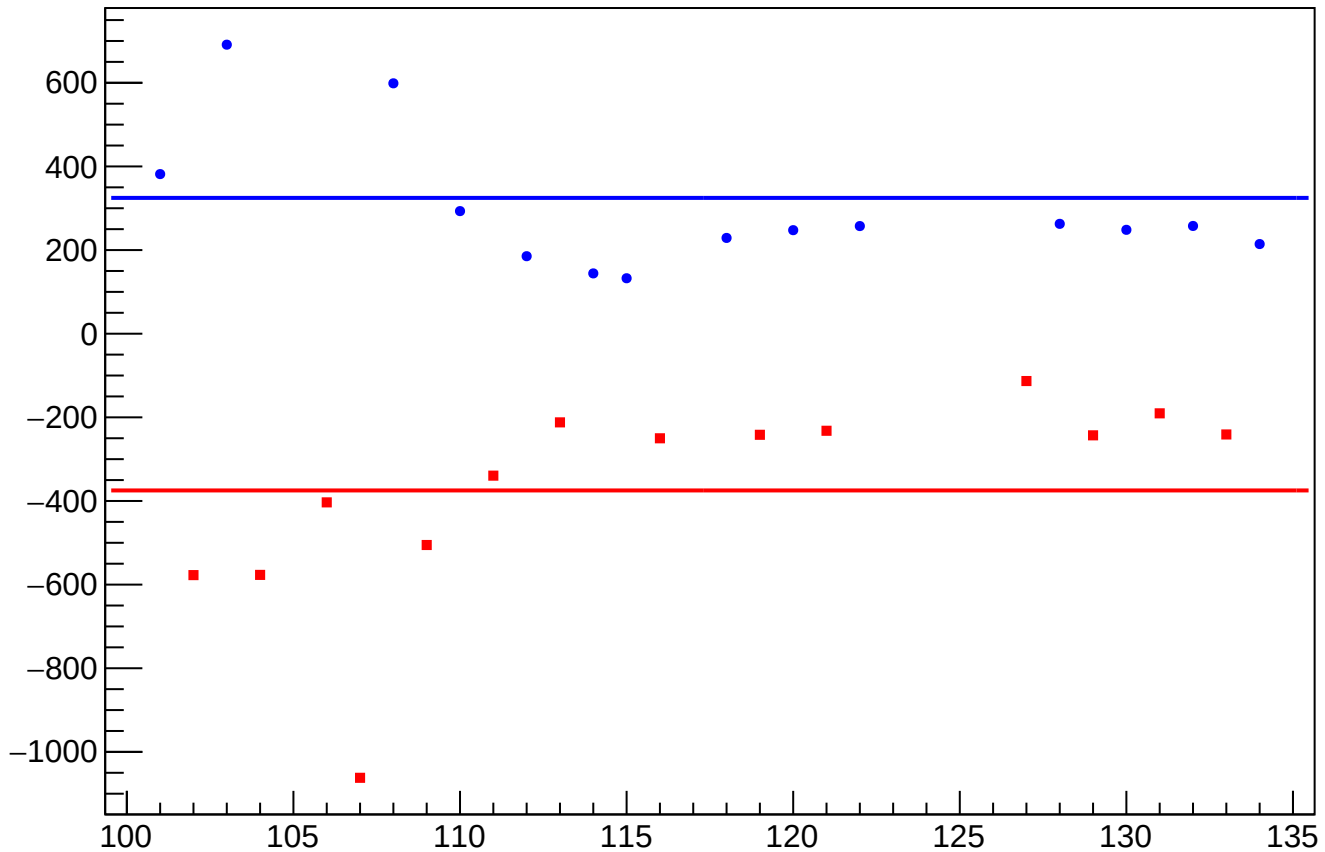
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4187.919+/-0.000  $\chi^2/\text{NDF}$ : 4792101177576650

-403.561+/-0.000  $\chi^2/\text{NDF}$ : 265226028775

-4696.595+/-0.000  $\chi^2/\text{NDF}$ : 315848489598870

# dit\_usl\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 324.769+/-0.000  $\chi^2/\text{NDF}$ : 14629525823755817402236321267149963264.0/13

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

Right Out: -374.805+/-0.000  $\chi^2/\text{NDF}$ : 31478432473550051824178839248357556224.0/13

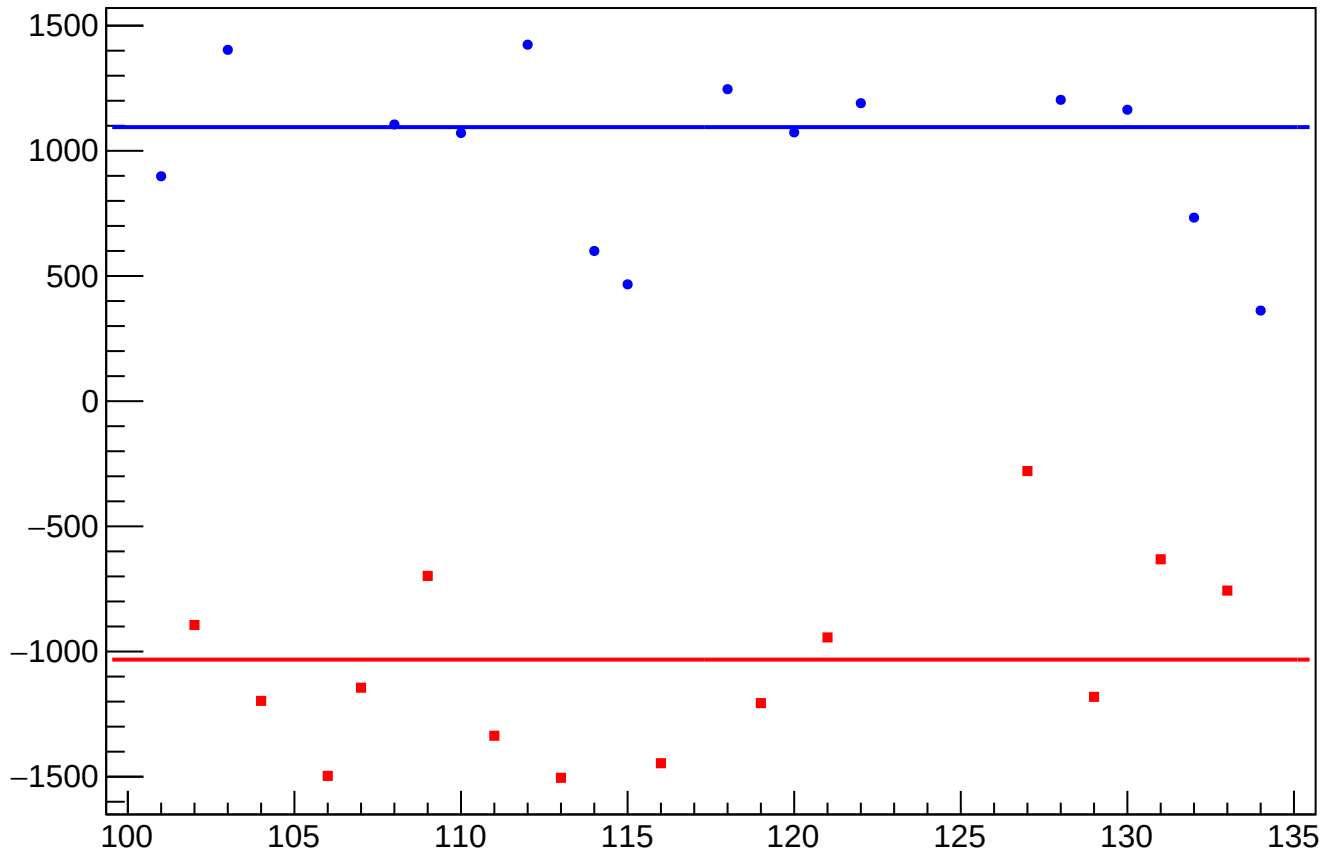
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

324.769+/-0.000  $\chi^2/\text{NDF}$ : 14629525823755817

-36.768+/-0.000  $\chi^2/\text{NDF}$ : 1879973670500

-374.805+/-0.000  $\chi^2/\text{NDF}$ : 3147843247355005

dit\_usl\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

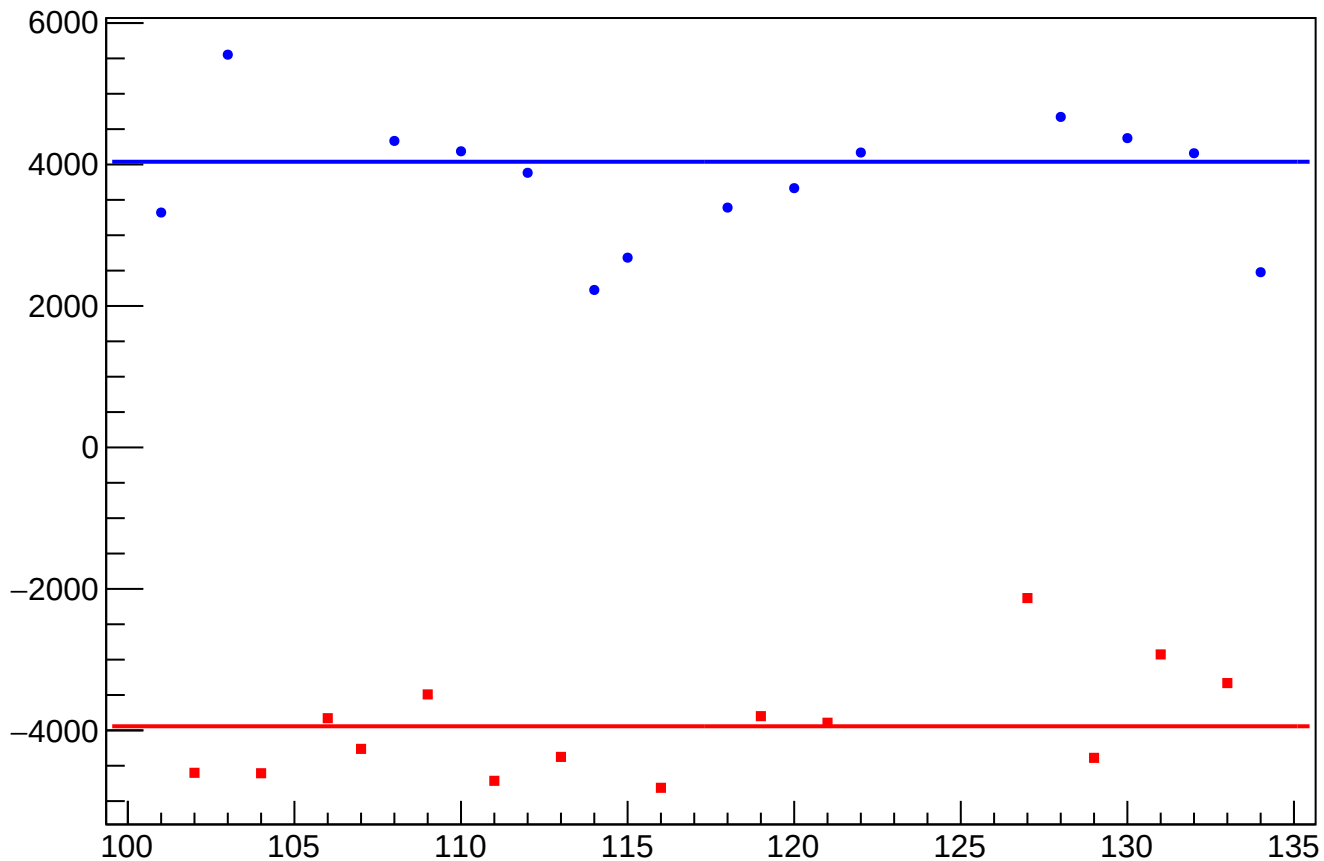
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

dit\_usr\_coil4\_mean vs Slug, Sign Corrected



Right In: 4039.003+/-0.000  $\chi^2/\text{NDF}$ : 339192147410835363767865500748505677824.0/13

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

Right Out: -3942.124+/-0.000  $\chi^2/\text{NDF}$ : 322500856530886337334374285509207785472.0/13

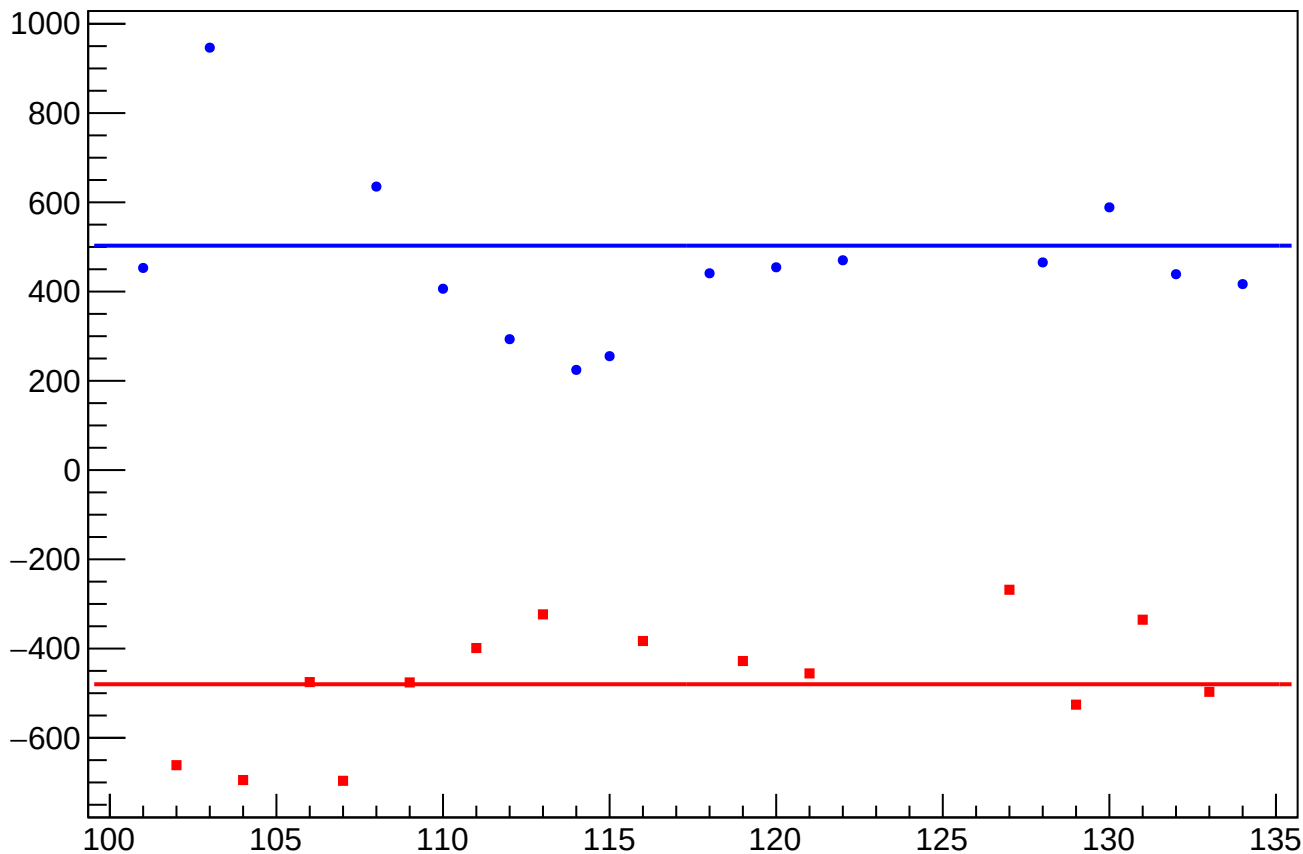
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4039.003+/-0.000  $\chi^2/\text{NDF}$ : 3391921474108353

-85.610+/-0.000  $\chi^2/\text{NDF}$ : 191292894001

-3942.124+/-0.000  $\chi^2/\text{NDF}$ : 322500856530886

dit\_usr\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 502.871+/-0.000  $\chi^2/\text{NDF}$ : 17726301363555270953138765113963053056.0/13

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

Right Out: -479.935+/-0.000  $\chi^2/\text{NDF}$ : 10593122314308376488310515153980358656.0/13

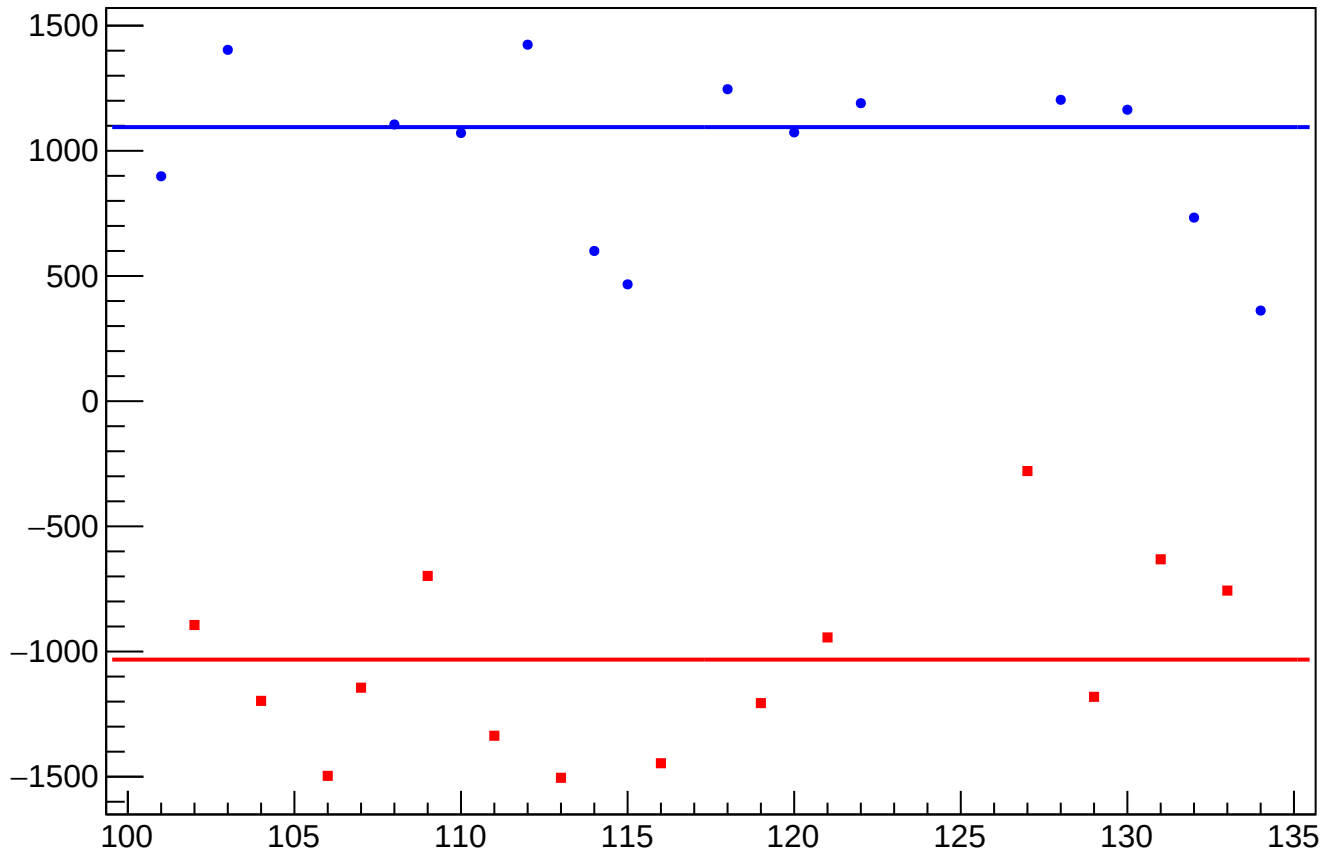
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

502.871+/-0.000  $\chi^2/\text{NDF}$ : 17726301363555270

-5.039+/-0.000  $\chi^2/\text{NDF}$ : 3083578845017

-479.935+/-0.000  $\chi^2/\text{NDF}$ : 1059312231430837

dit\_usr\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

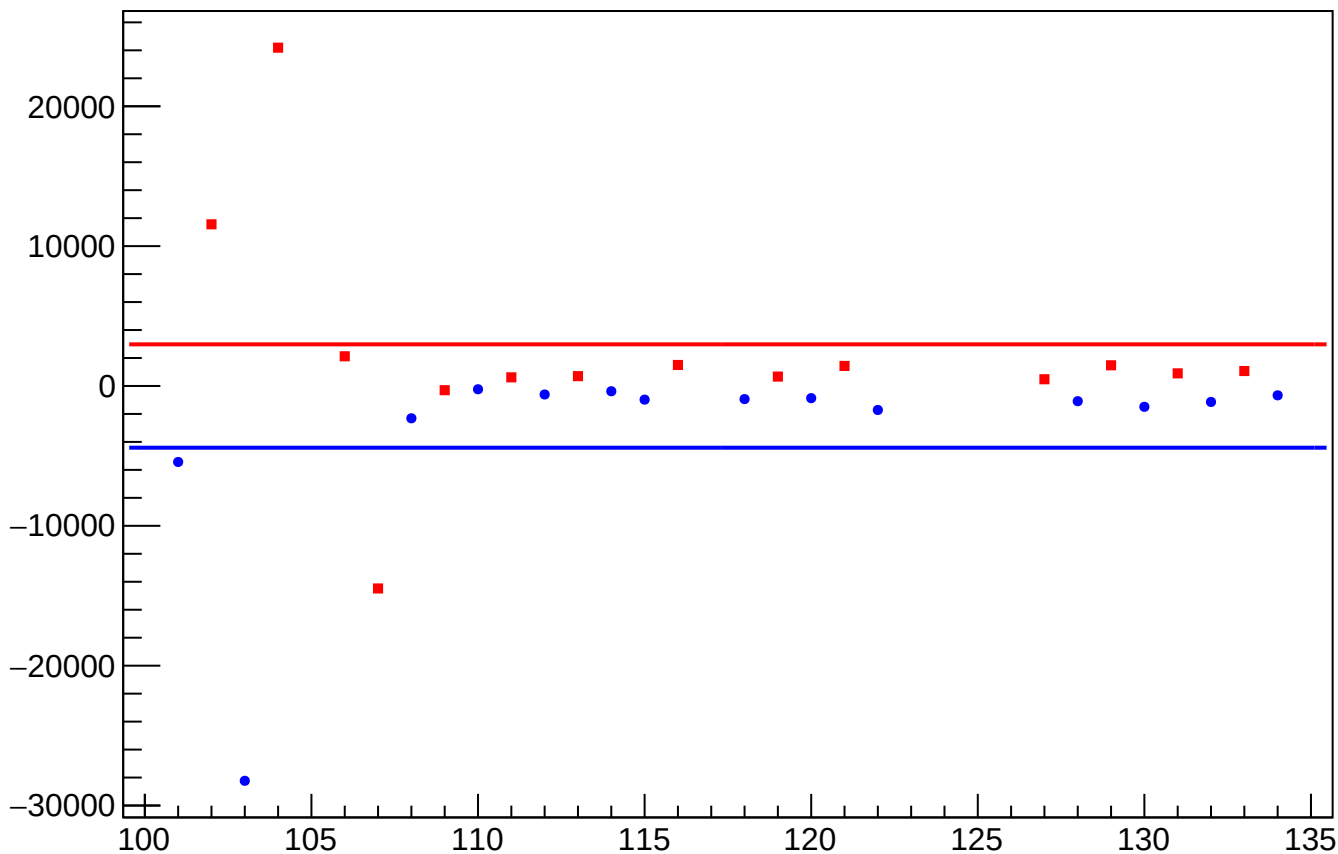
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

# dit\_atl1\_coil4\_mean vs Slug, Sign Corrected



Right In: -4413.771+/-0.000  $\chi^2/\text{NDF}$ : 38511658884324018503182058003819493588992.0/13

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

Right Out: 2975.839+/-0.000  $\chi^2/\text{NDF}$ : 40354227572068286526265177338494450663424.0/13

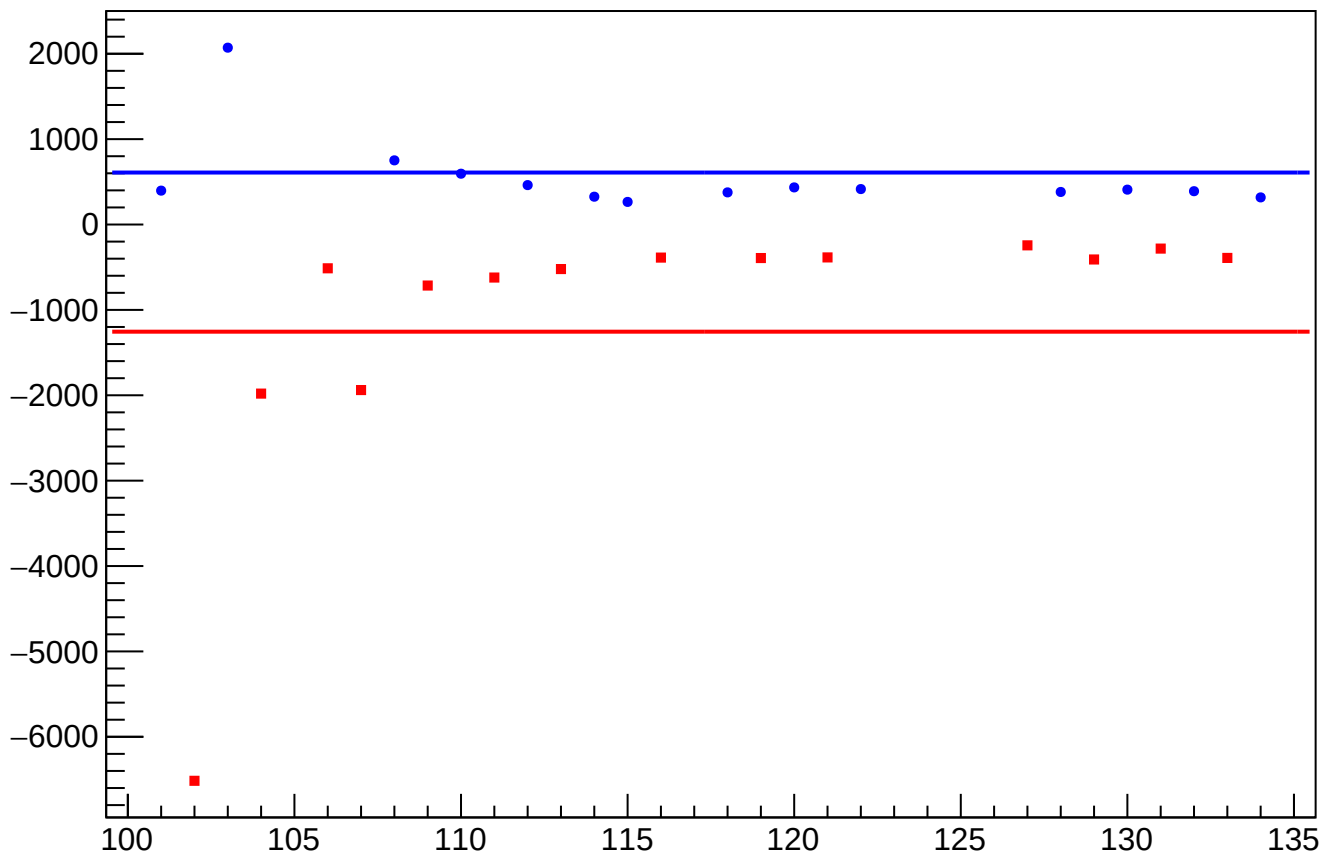
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4413.771+/-0.000  $\chi^2/\text{NDF}$ : 385116588843240

-594.851+/-0.000  $\chi^2/\text{NDF}$ : 94697489316

2975.839+/-0.000  $\chi^2/\text{NDF}$ : 4035422757206828

dit\_atl1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 608.832+/-0.000  $\chi^2/\text{NDF}$ : 147101541215119430521422576663088070656.0/13

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

Right Out: -1255.157+/-0.000  $\chi^2/\text{NDF}$ : 1952820847678798445009710571067791114240.0/13

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

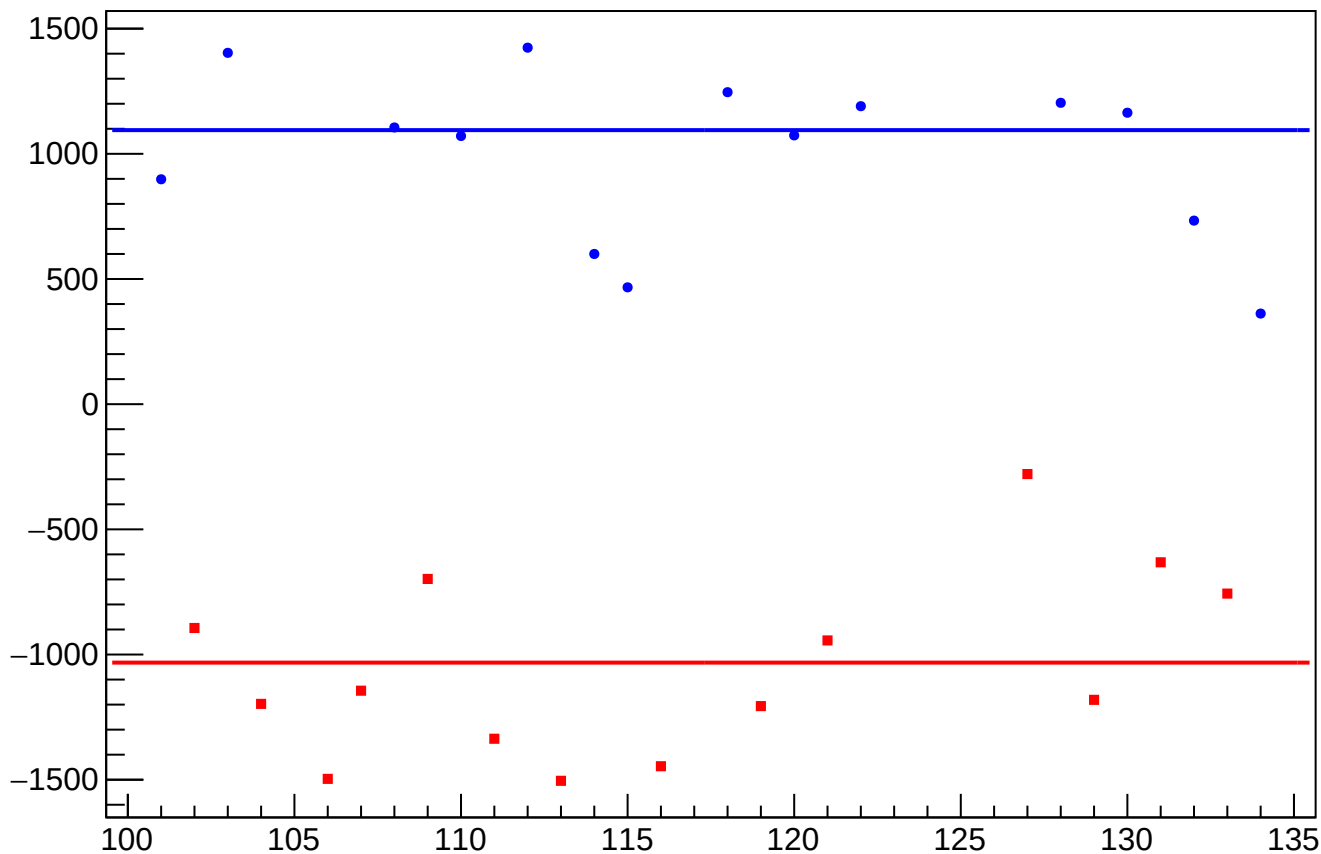
608.832+/-0.000  $\chi^2/\text{NDF}$ : 147101541215119430521422576663088070656.0/13

-354.470+/-0.000  $\chi^2/\text{NDF}$ : 310724492062.0/13

-1255.157+/-0.000  $\chi^2/\text{NDF}$ : 1952820847678798445009710571067791114240.0/13



dit\_atl1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

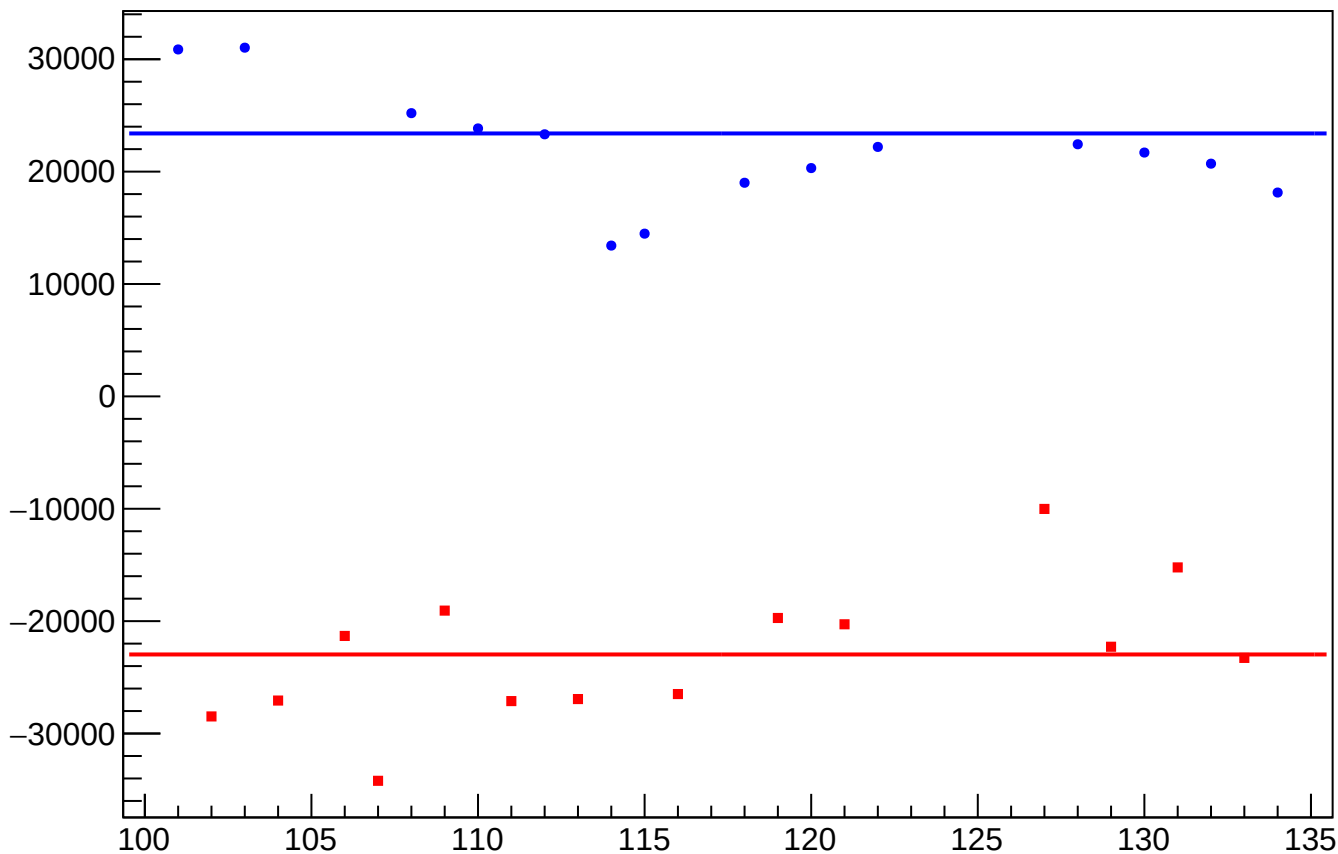
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

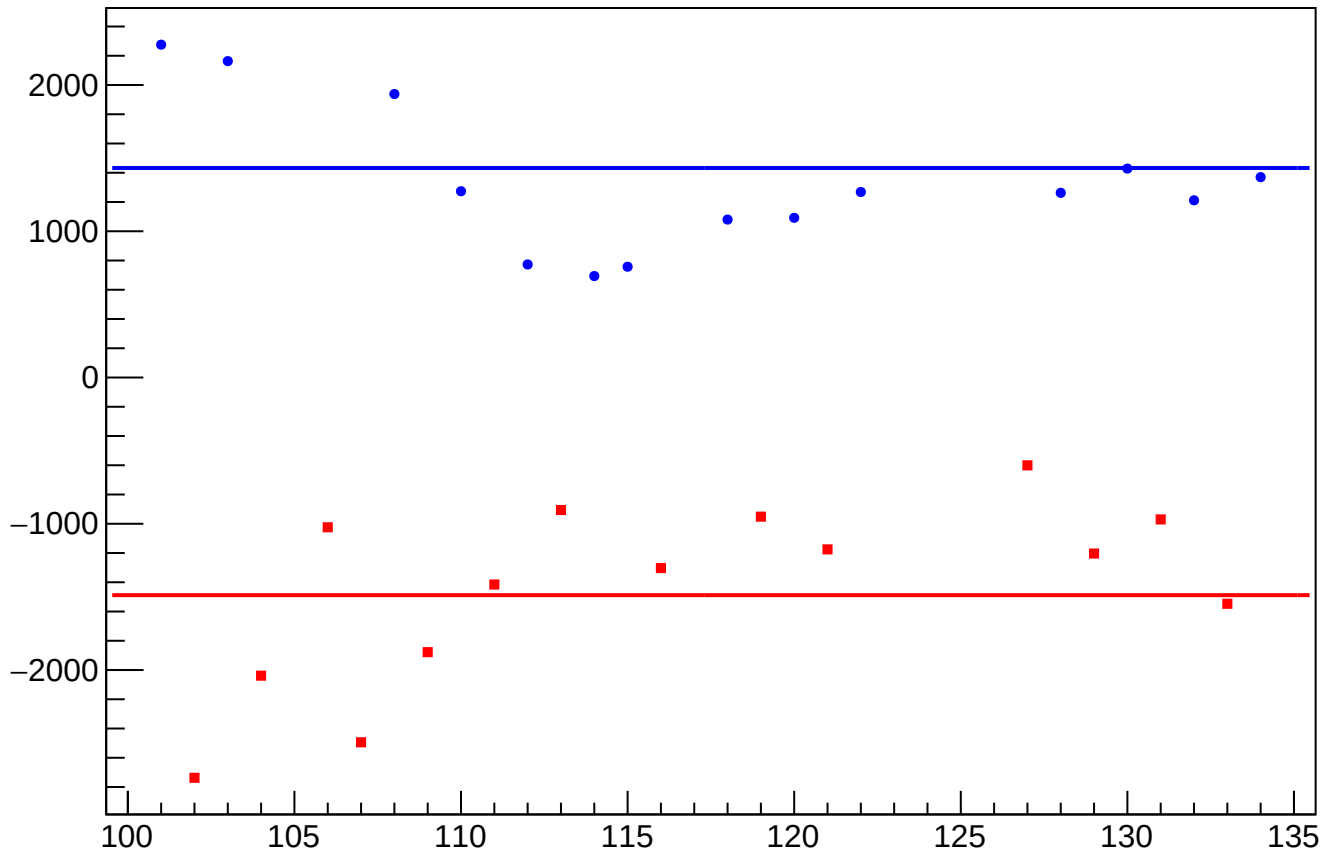
-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

# dit\_atl2\_coil4\_mean vs Slug, Sign Corrected



Right In: 23396.816+/-0.000  $\chi^2/\text{NDF}$ : 11478577910587078348105329532075268636672.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -22964.723+/-0.000  $\chi^2/\text{NDF}$ : 20180778499922378486662368783134007230464.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1432.663+/-0.000  $\chi^2/\text{NDF}$ : 133064004525610088849765314600032534528.0/13

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

Right Out: -1488.211+/-0.000  $\chi^2/\text{NDF}$ : 239892134698910129650769606442791993344.0/13

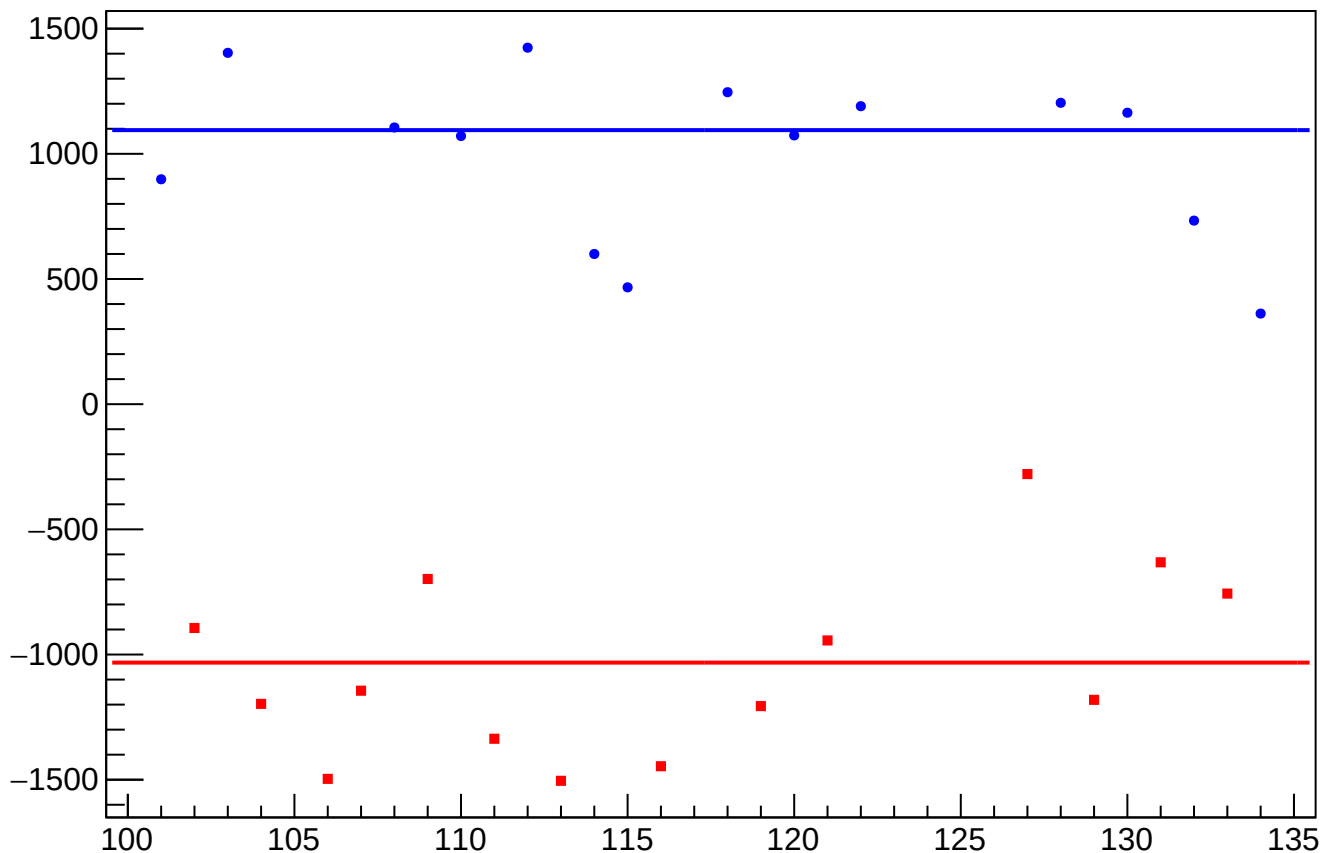
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1432.663+/-0.000  $\chi^2/\text{NDF}$ : 1330640045256100

-76.833+/-0.000  $\chi^2/\text{NDF}$ : 284643032695

-1488.211+/-0.000  $\chi^2/\text{NDF}$ : 239892134698910

dit\_atl2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



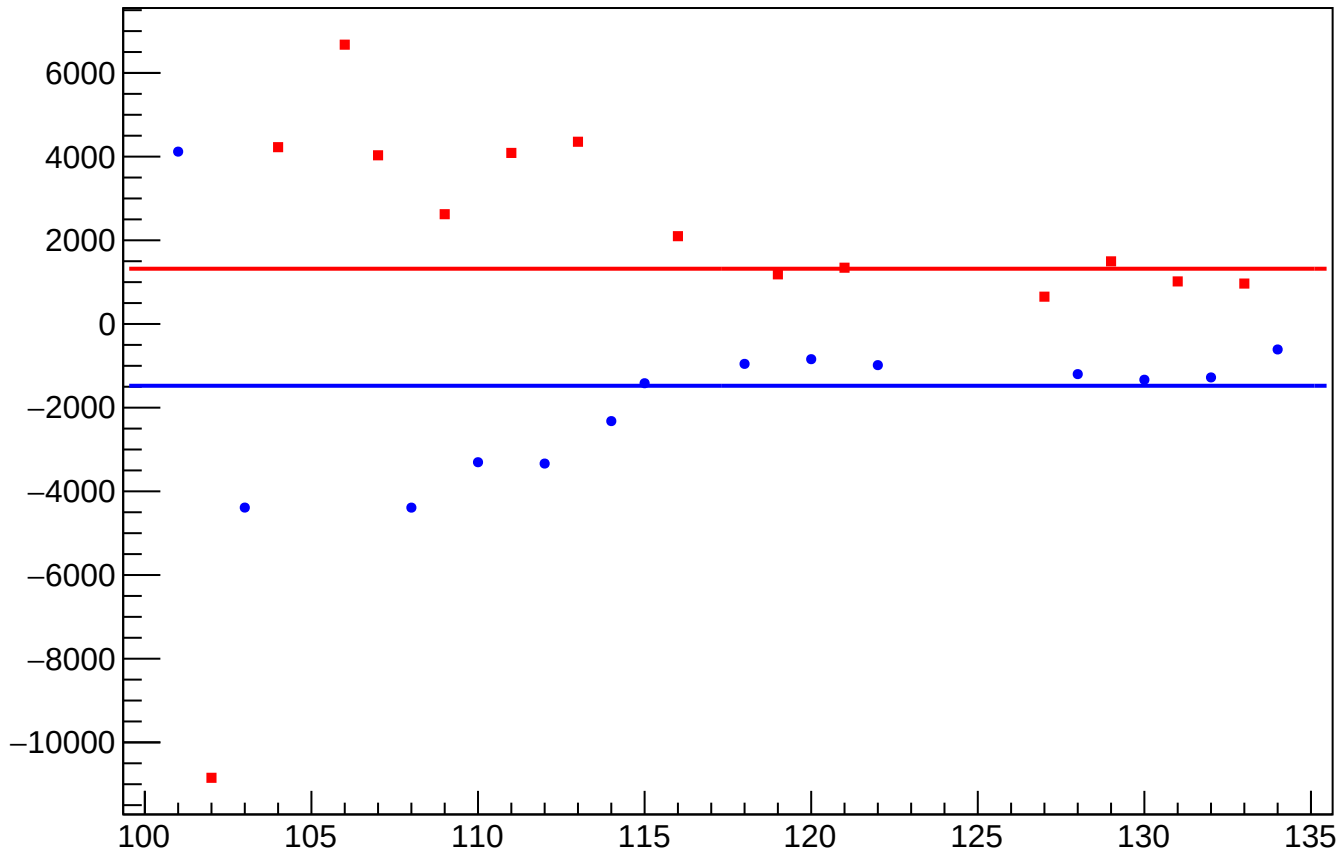
Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

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

# dit\_atr1\_coil4\_mean vs Slug, Sign Corrected



Right In: -1476.779+/-0.000  $\chi^2/\text{NDF}$ : 3029503031647504913222140046371454976000.0/13

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

-1476.779+/-0.000  $\chi^2/\text{NDF}$ : 302950303164750

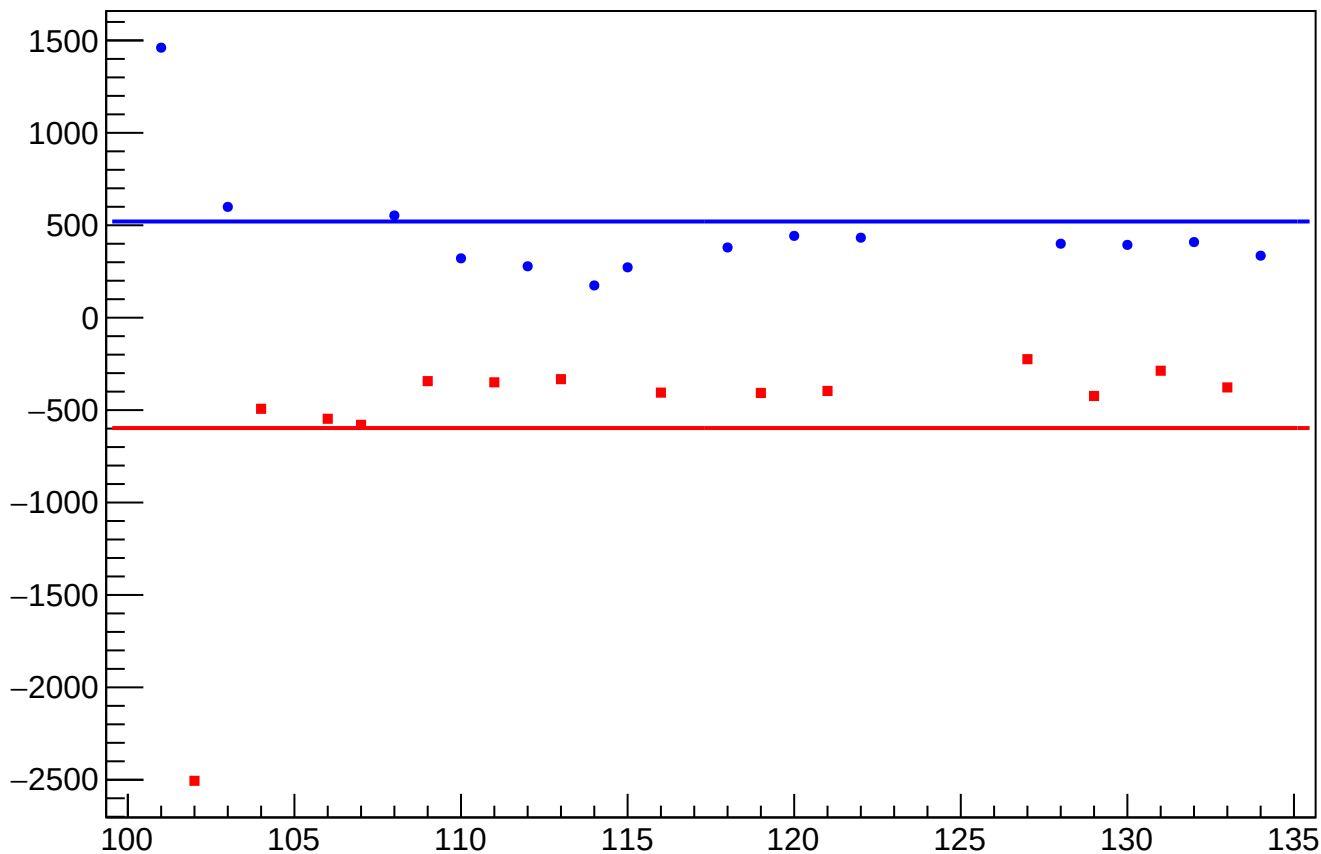
-31.090+/-0.000  $\chi^2/\text{NDF}$ : 163621509342

Right Out: 1320.629+/-0.000  $\chi^2/\text{NDF}$ : 11063862086729946319242073737923758391296.0/13

1320.629+/-0.000  $\chi^2/\text{NDF}$ : 1106386208672994

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

# dit\_atr1\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 520.412+/-0.000  $\chi^2/\text{NDF}$ : 63482750436072049319136082872942723072.0/13

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

Right Out: -597.038+/-0.000  $\chi^2/\text{NDF}$ : 238439506748108036211574371523143663616.0/13

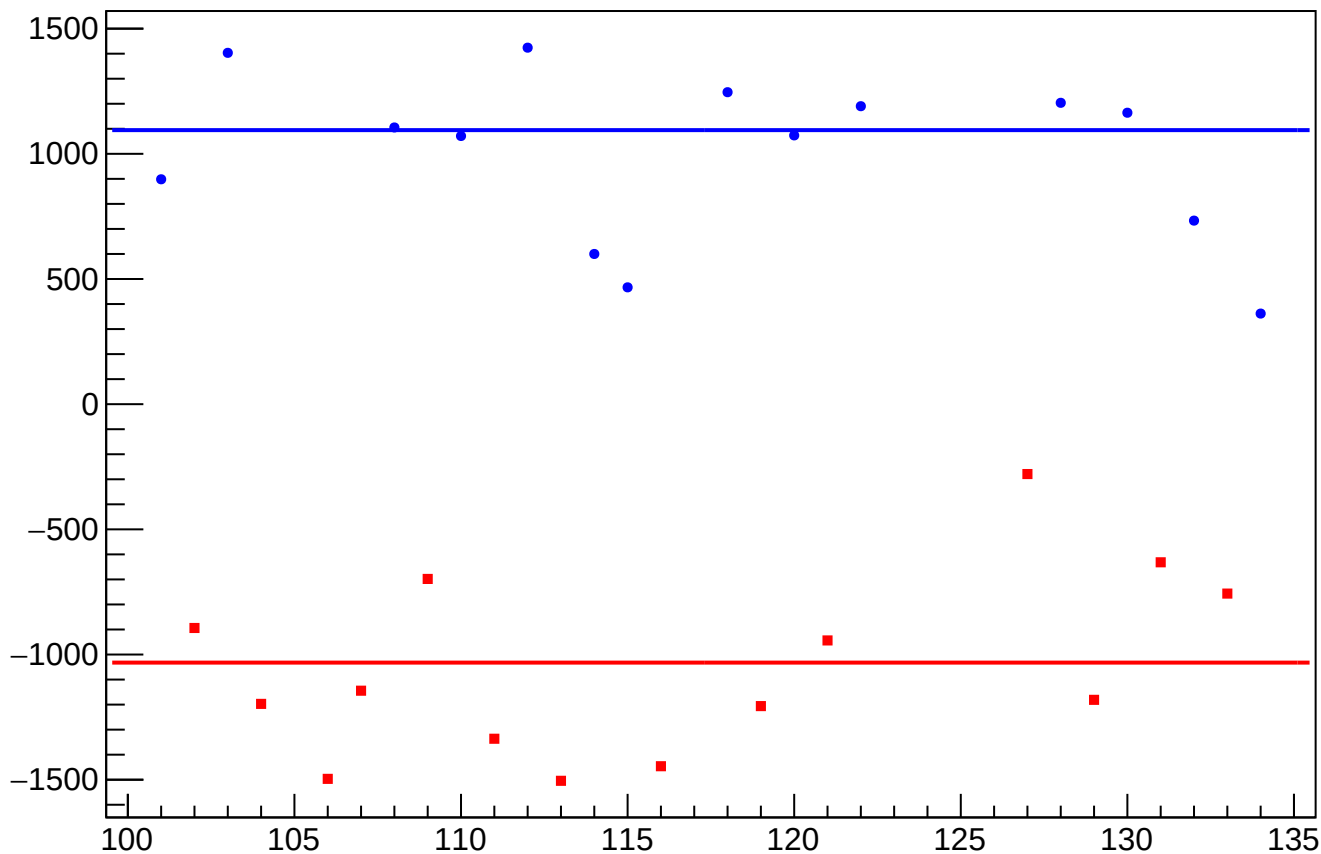
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

520.412+/-0.000  $\chi^2/\text{NDF}$ : 63482750436072049319136082872942723072.0/13

-57.081+/-0.000  $\chi^2/\text{NDF}$ : 663947173838.0/13

-597.038+/-0.000  $\chi^2/\text{NDF}$ : 238439506748108036211574371523143663616.0/13

dit\_atr1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

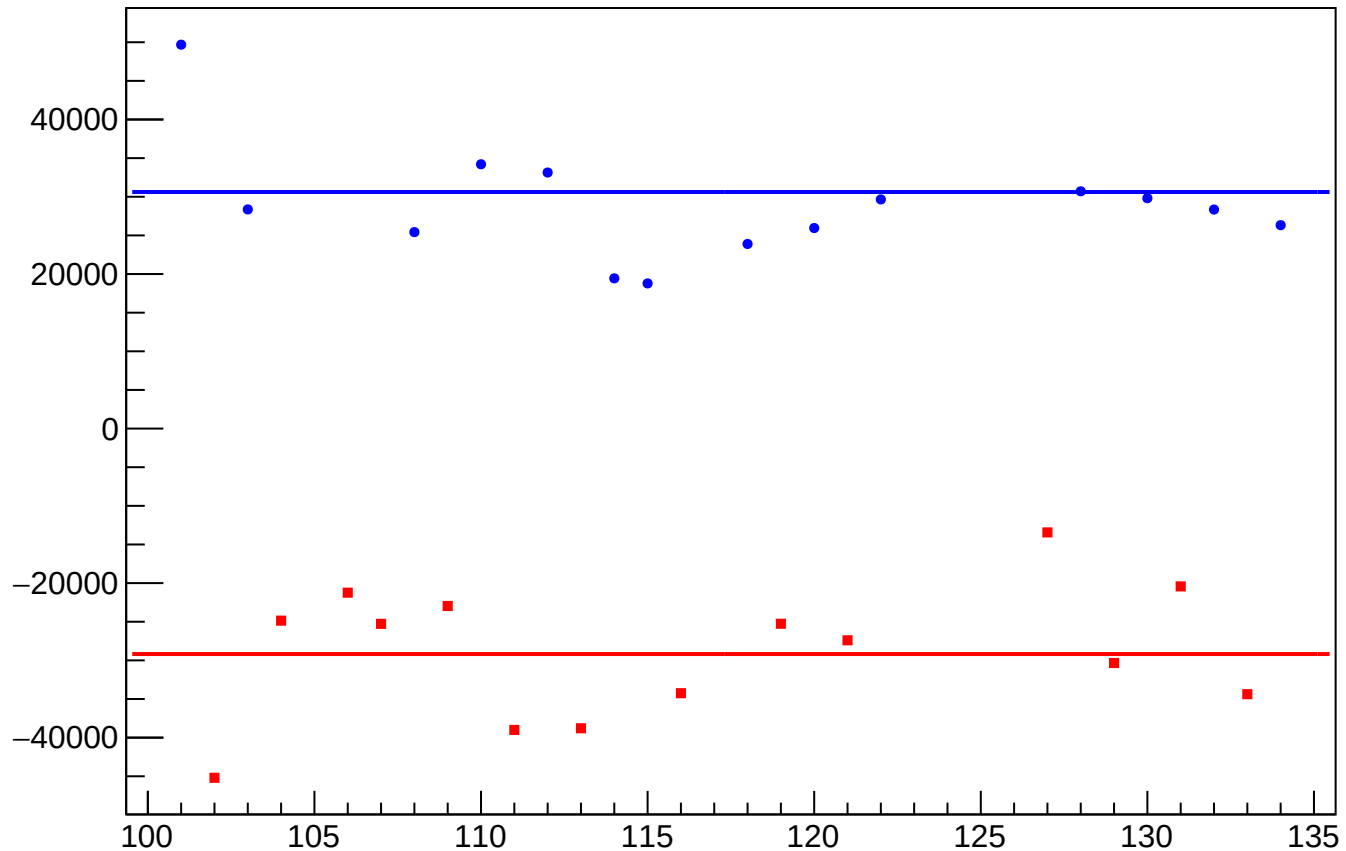
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

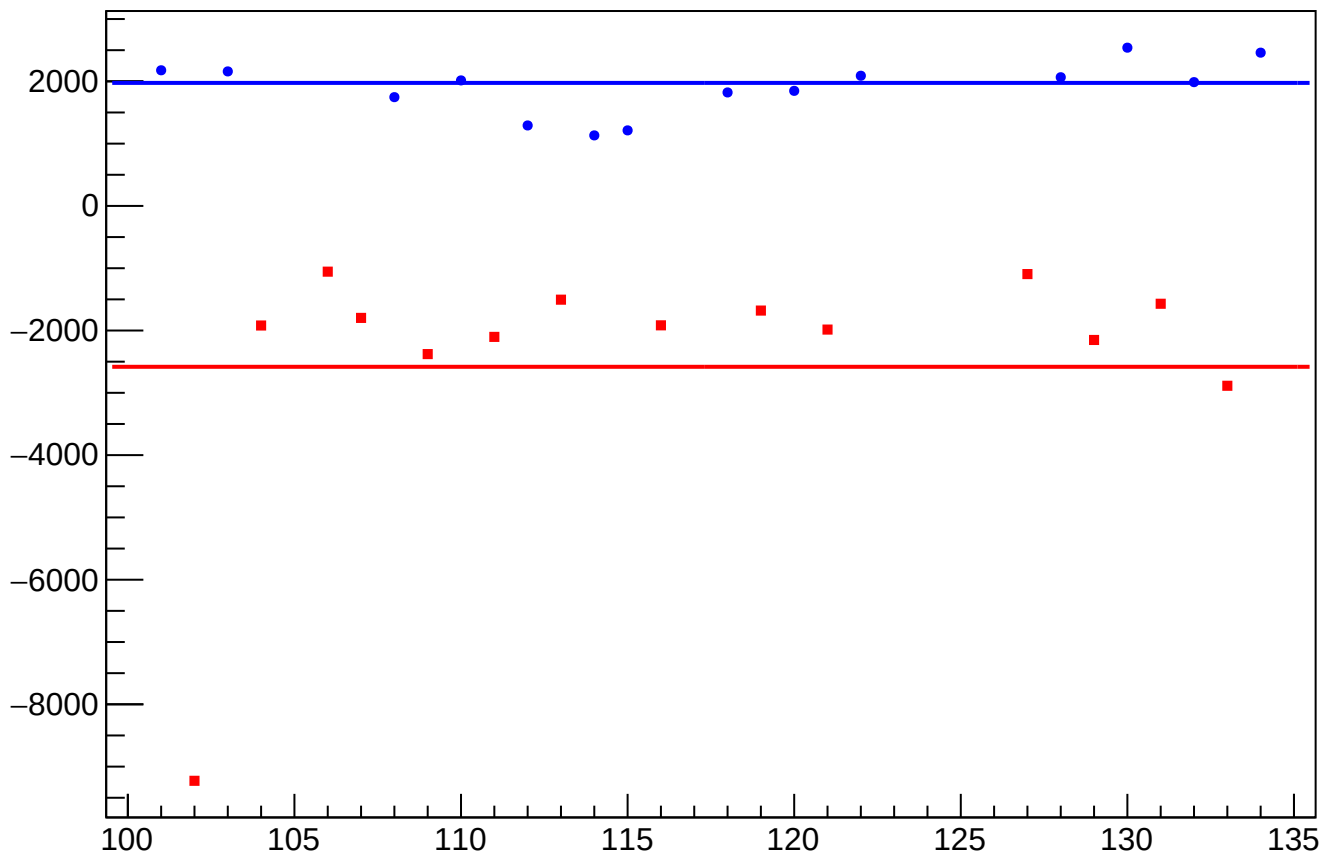
# dit\_atr2\_coil4\_mean vs Slug, Sign Corrected



Right In: 30616.820+/-0.000  $\chi^2/\text{NDF}$ : 30500023869252374010024419641801618489344.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -29179.619+/-0.000  $\chi^2/\text{NDF}$ : 45175322703234988689343692038869316796416.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_atr2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1974.776+/-0.000  $\chi^2/\text{NDF}$ : 69972372664305255065895509916154593280.0/13

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

Right Out: -2582.177+/-0.000  $\chi^2/\text{NDF}$ : 2957712704853276372364210462004103610368.0/13

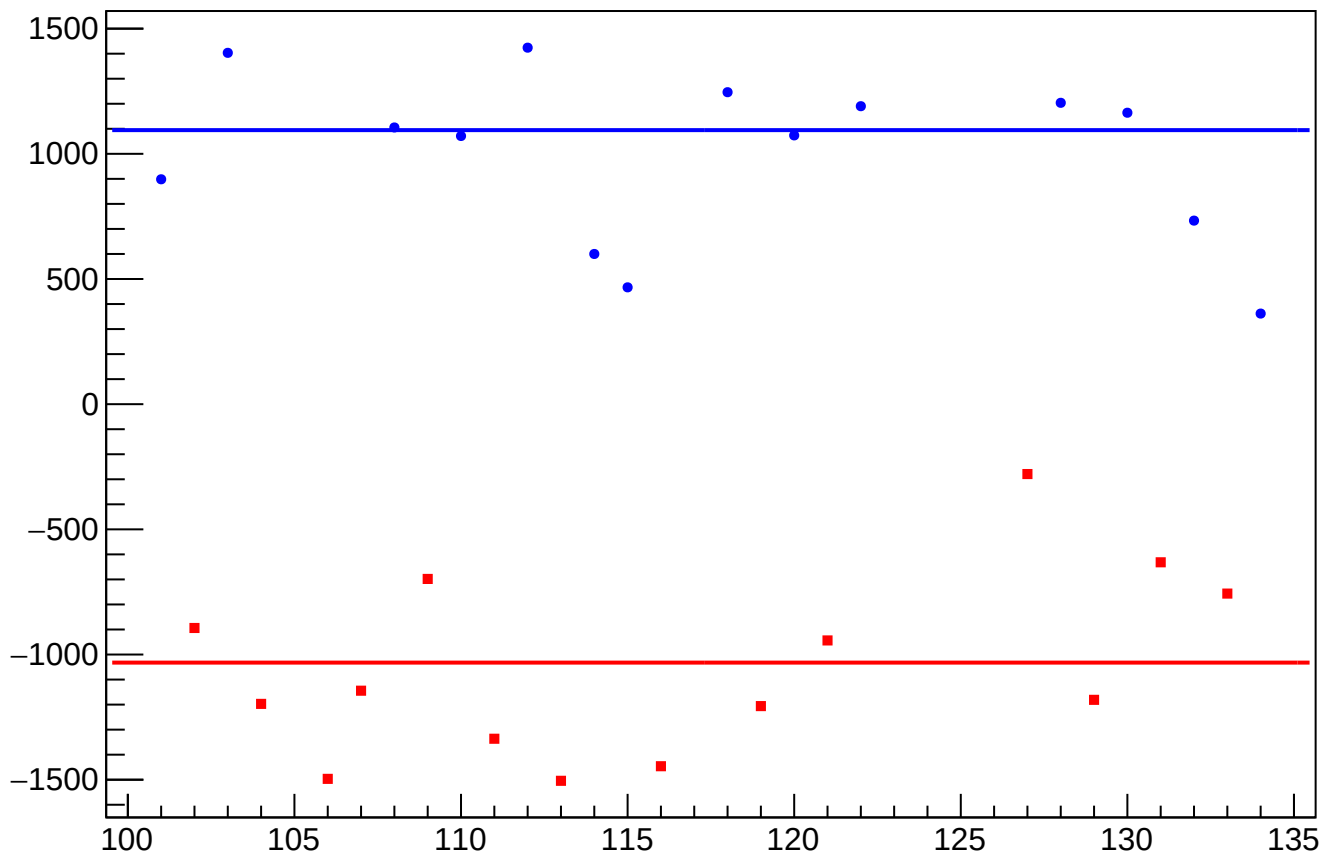
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1974.776+/-0.000  $\chi^2/\text{NDF}$ : 6997237266430525

-380.239+/-0.000  $\chi^2/\text{NDF}$ : 90481628094

-2582.177+/-0.000  $\chi^2/\text{NDF}$ : 295771270485327

dit\_atr2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

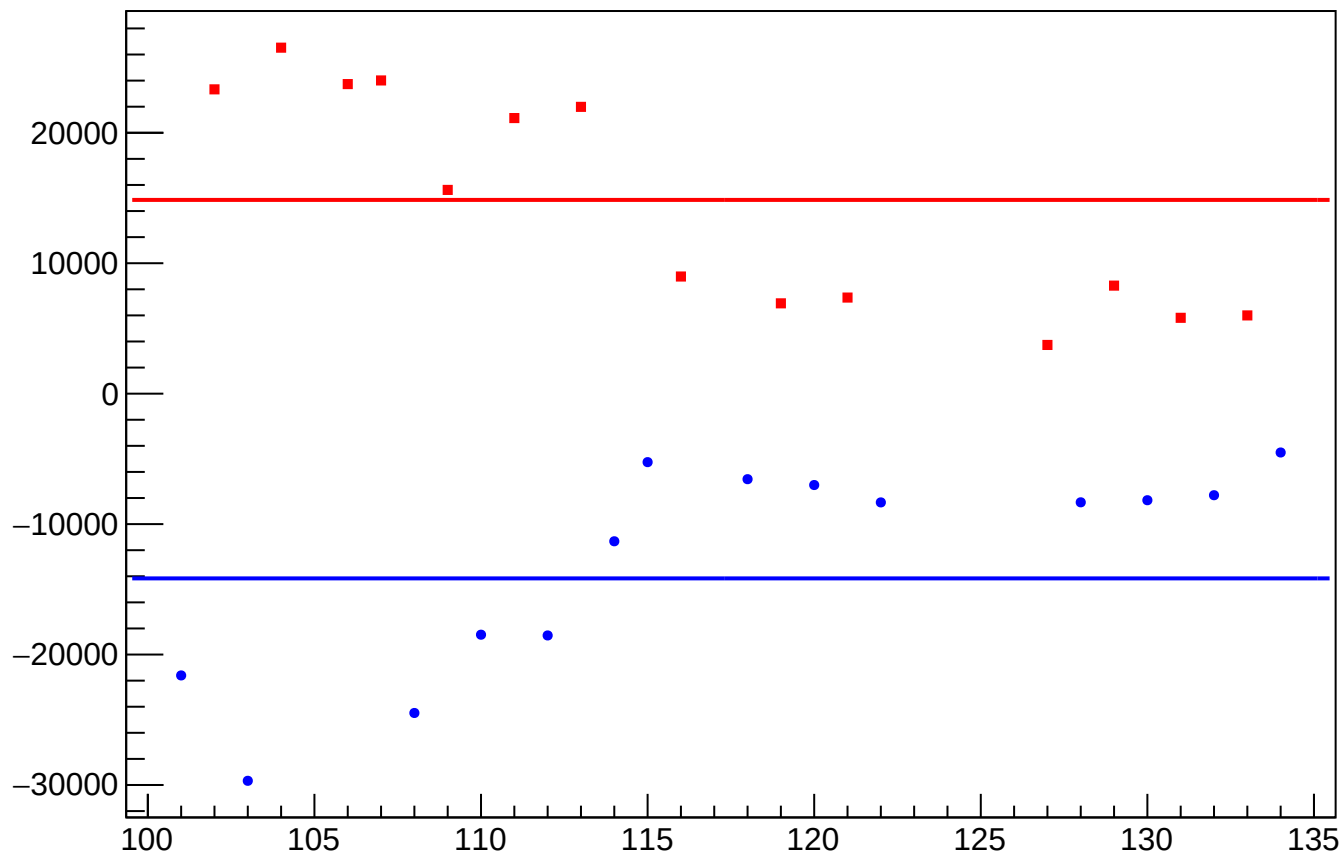
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

dit\_sam1\_coil4\_mean vs Slug, Sign Corrected



Right In: -14161.604+/-0.000  $\chi^2/\text{NDF}$ : 37692176149316221477517032793164178522112.0/13

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

Right Out: 14853.415+/-0.000  $\chi^2/\text{NDF}$ : 40638212536356062235763420953572001447936.0/13

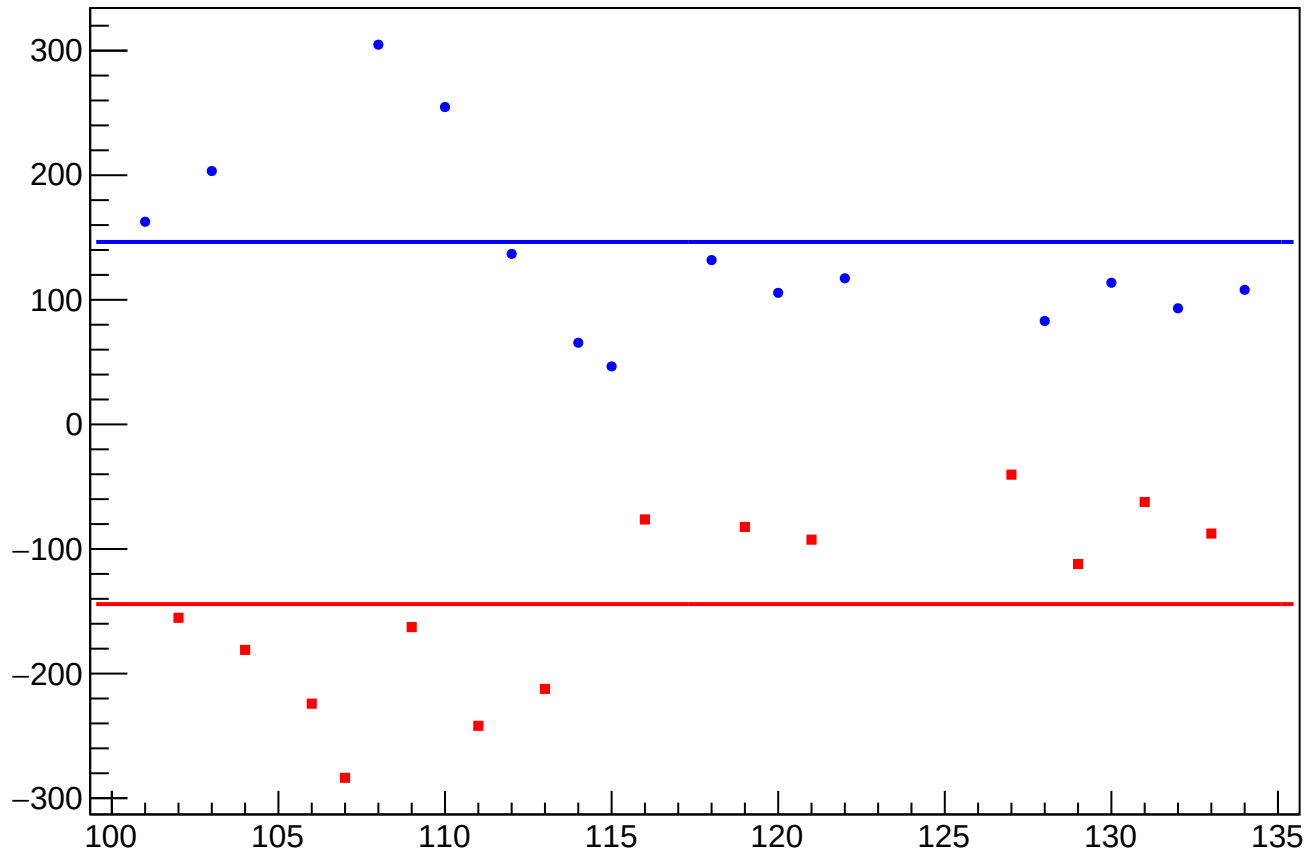
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-14161.604+/-0.000  $\chi^2/\text{NDF}$ : 37692176149316

833.238+/-0.000  $\chi^2/\text{NDF}$ : 322407819080

14853.415+/-0.000  $\chi^2/\text{NDF}$ : 406382125363560

dit\_sam1\_coil4\_err\_mean vs Slug, Sign Corrected



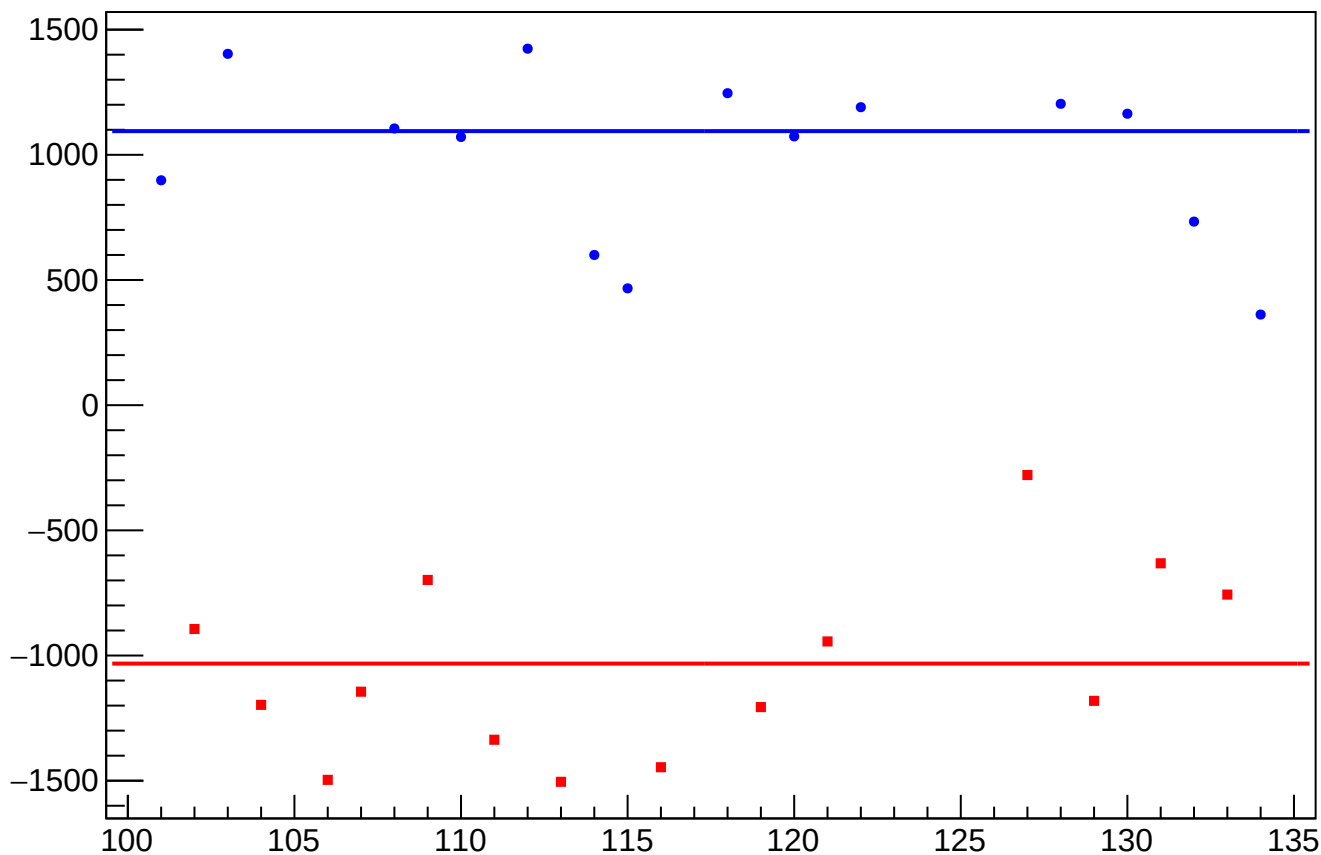
Right In: 146.439+/-0.000  $\chi^2/\text{NDF}$ : 2295483915701415640342558455982194688.0/13

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

Right Out: -144.232+/-0.000  $\chi^2/\text{NDF}$ : 2948672376558048591278577407695519744.0/13

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

dit\_sam1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

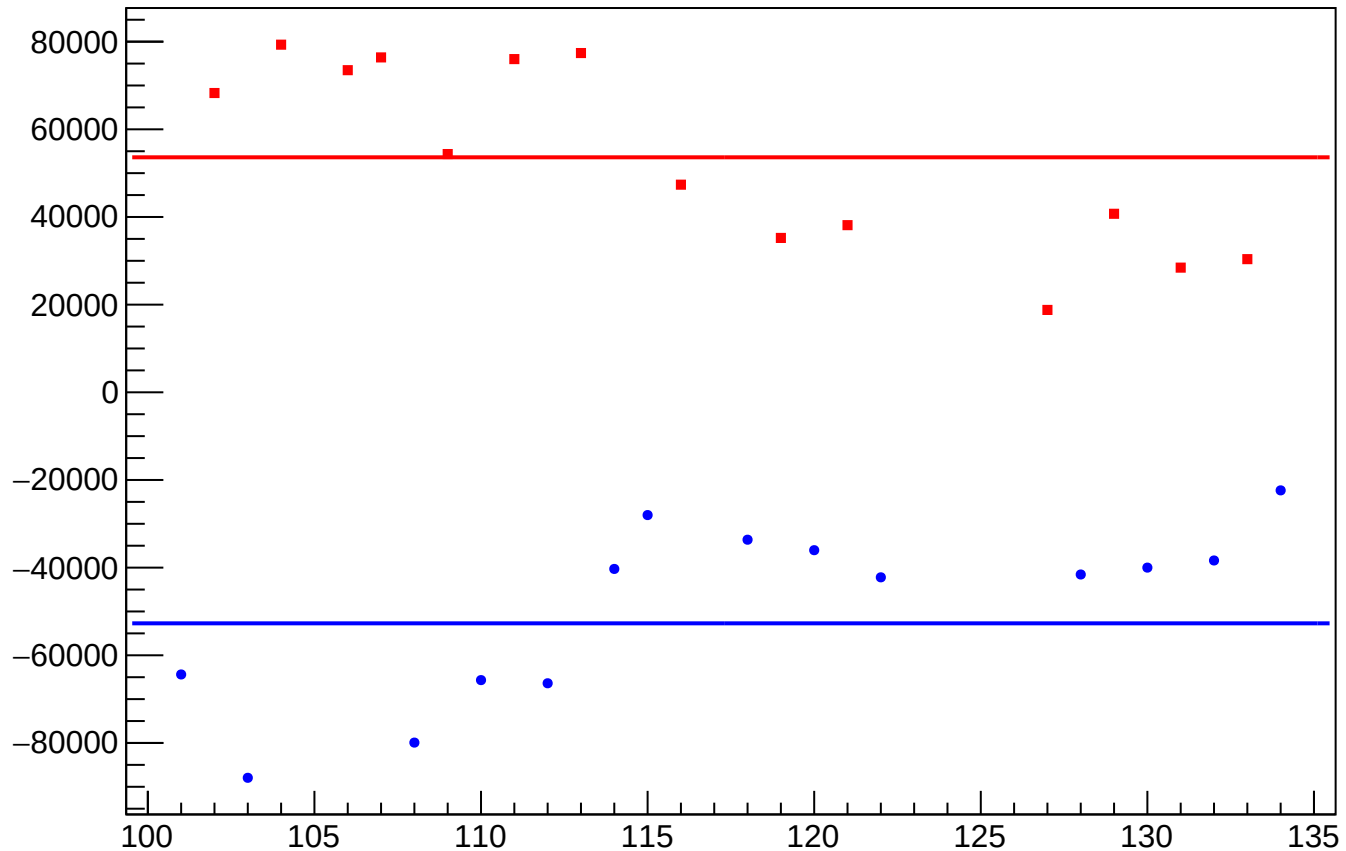
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

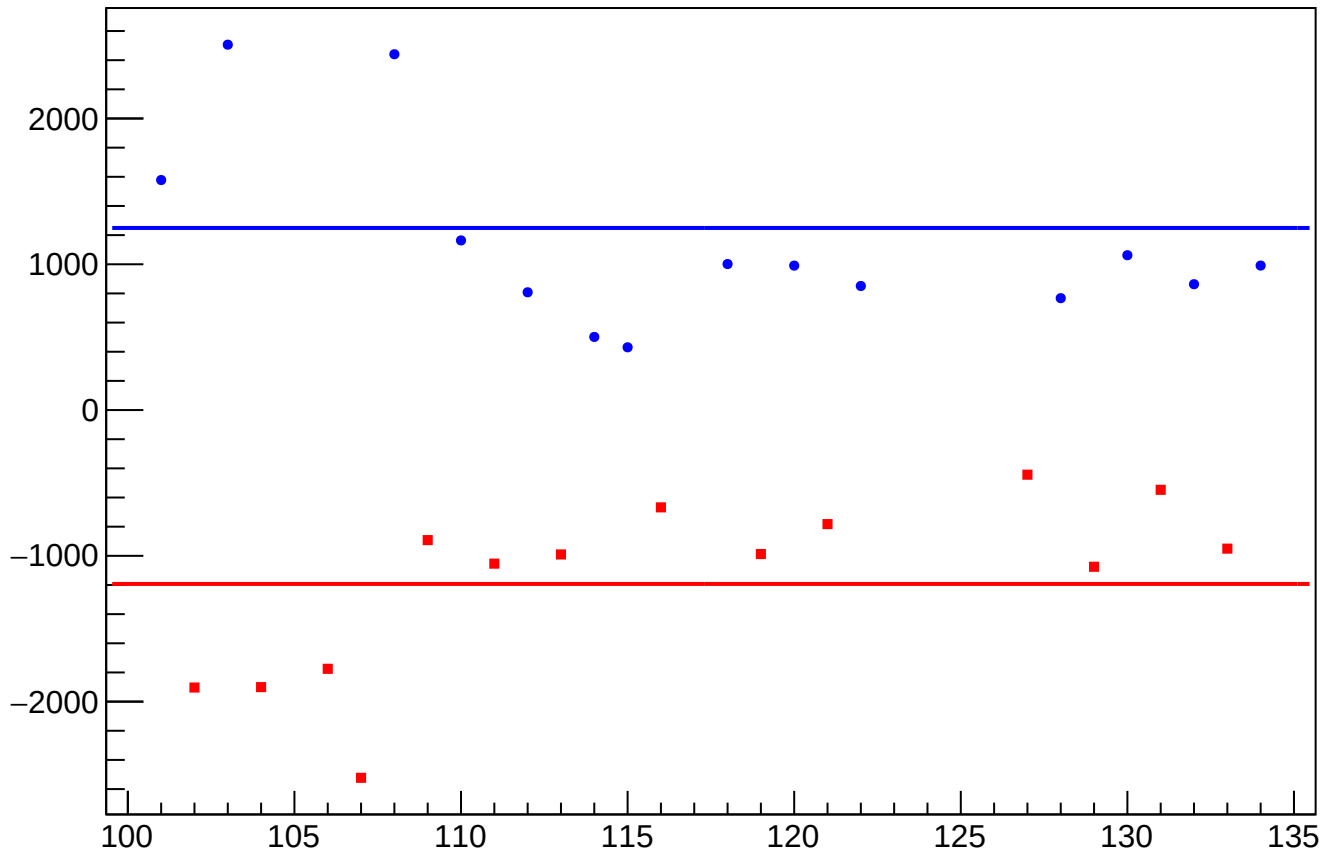
-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

# dit\_sam2\_coil4\_mean vs Slug, Sign Corrected



Right In: -52709.103+/-0.000  $\chi^2/\text{NDF}$ : 209836944043325960755953443143040116981760.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 53613.746+/-0.000  $\chi^2/\text{NDF}$ : 259606554976105410120743849032080611606528.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 1249.119+/-0.000  $\chi^2/\text{NDF}$ : 212097153376102436285788477184358219776.0/13

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

Right Out: -1192.836+/-0.000  $\chi^2/\text{NDF}$ : 195382563876447167005159370691822223360.0/13

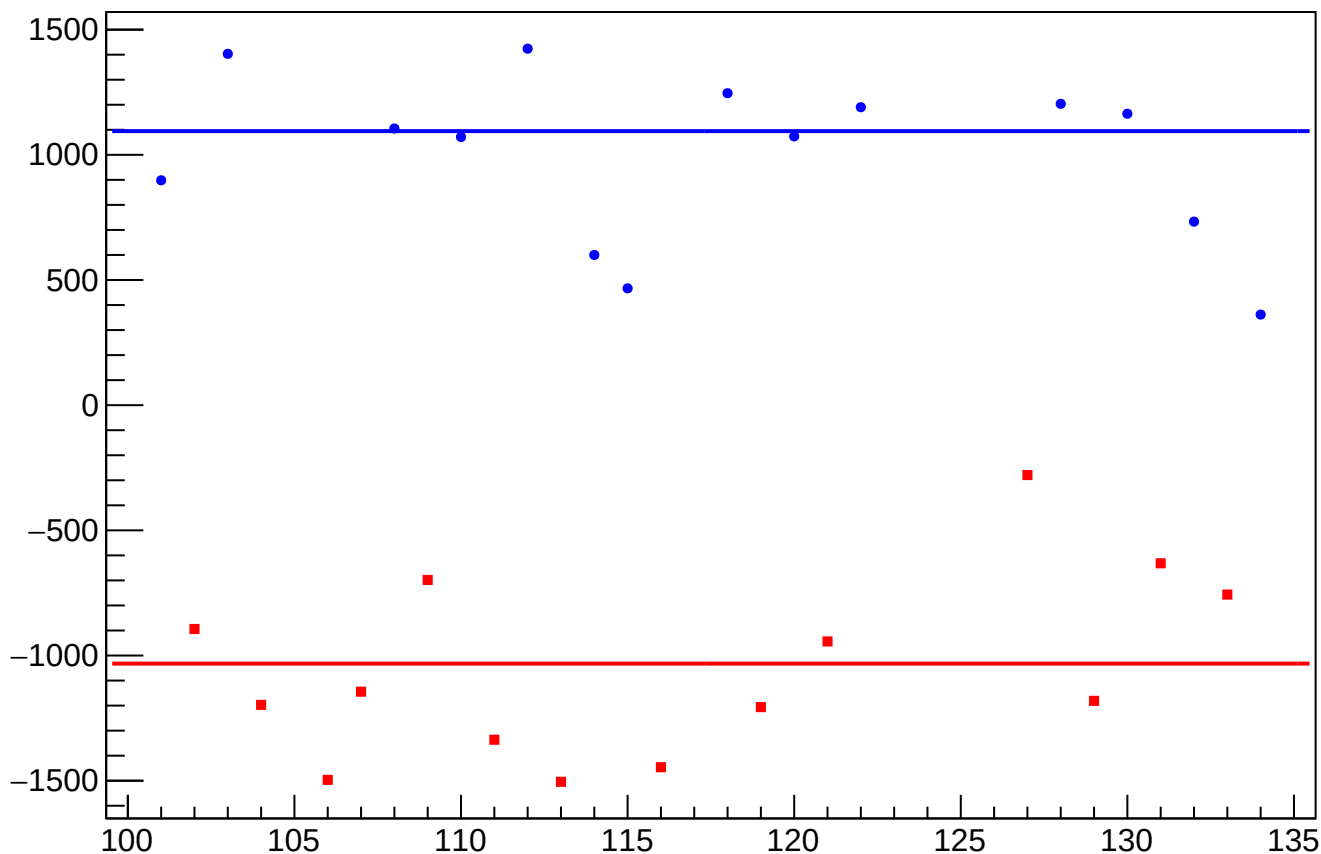
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1249.119+/-0.000  $\chi^2/\text{NDF}$ : 2120971533761024

-12.873+/-0.000  $\chi^2/\text{NDF}$ : 213632843382

-1192.836+/-0.000  $\chi^2/\text{NDF}$ : 195382563876447

dit\_sam2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

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

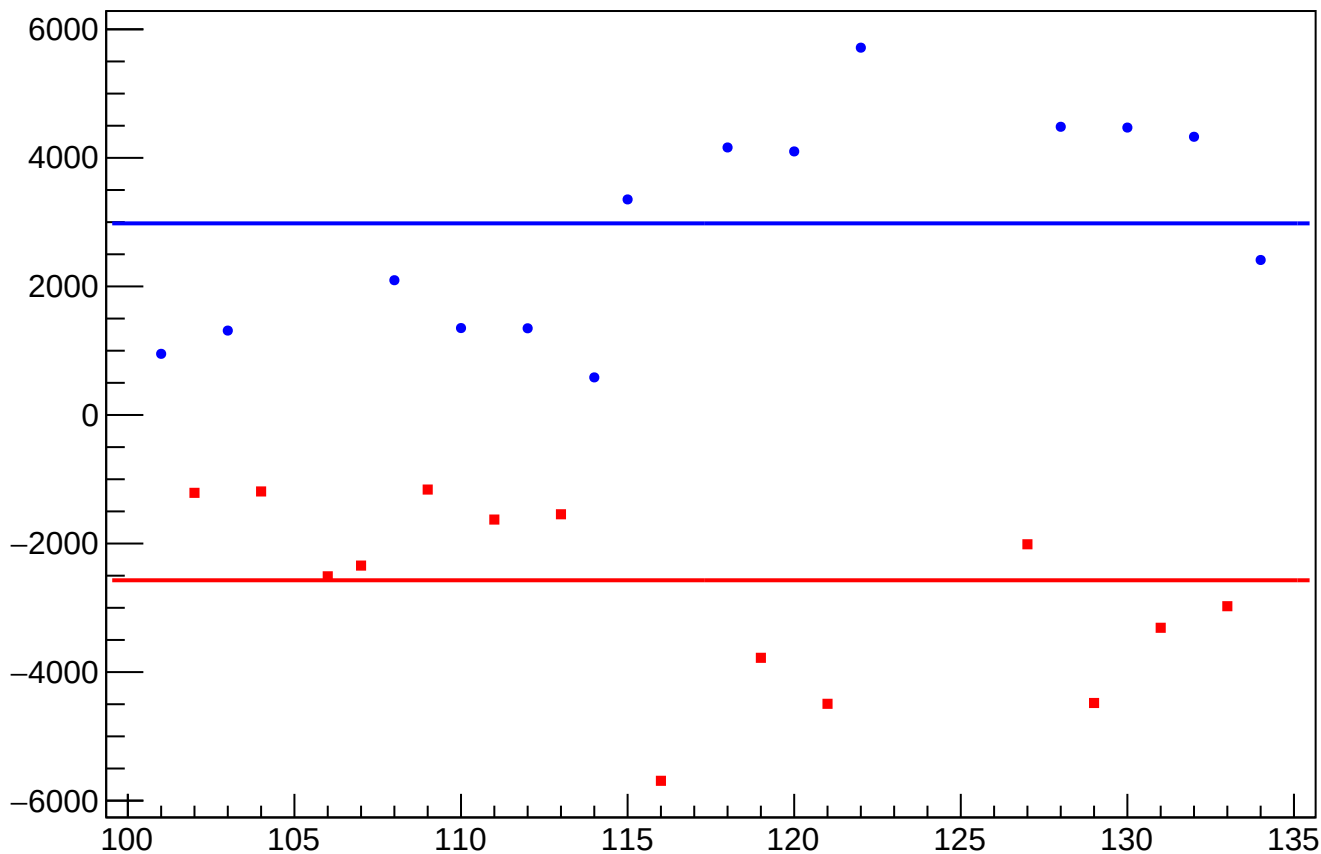
1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

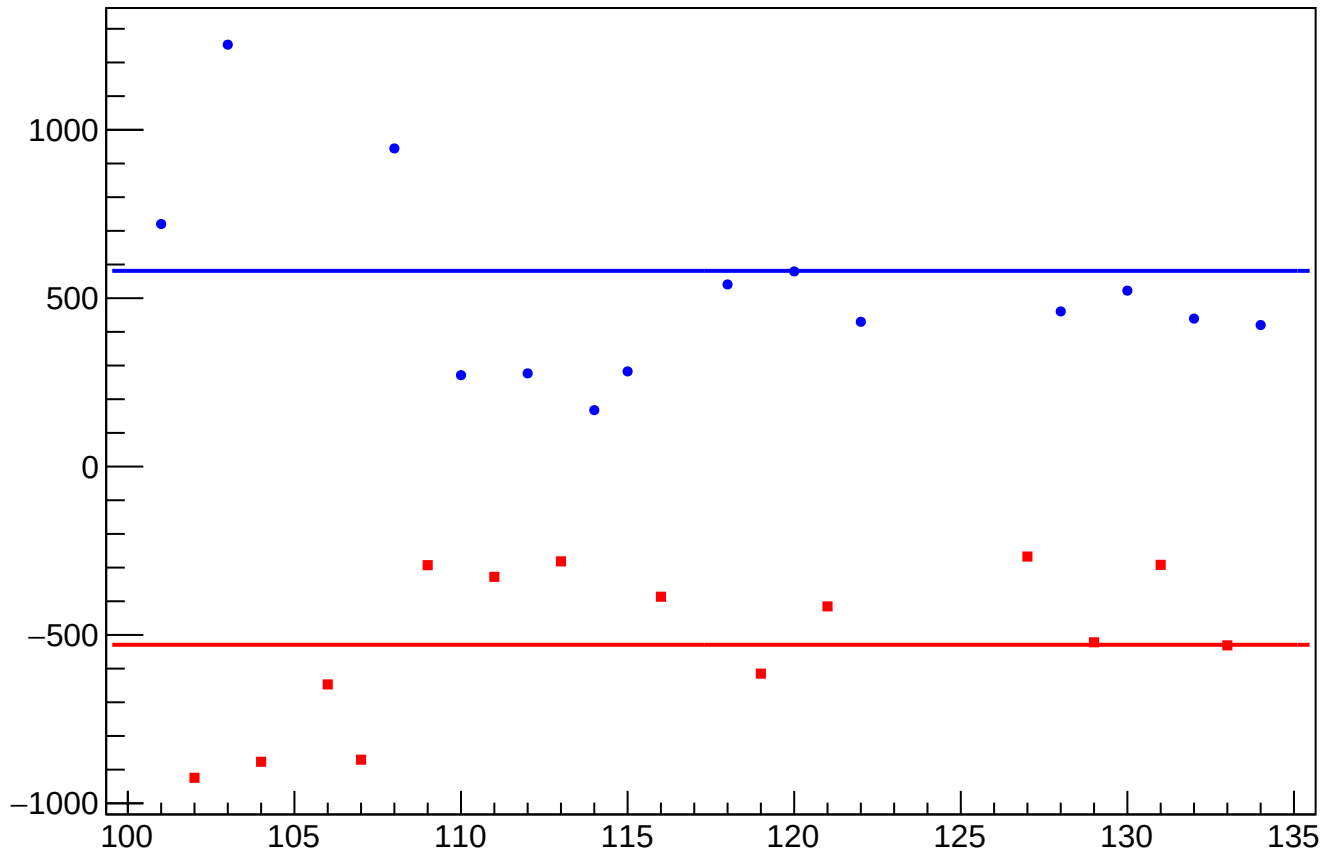


dit\_sam3\_coil4\_mean vs Slug, Sign Corrected



Right In: 2981.058+/-0.000  $\chi^2/\text{NDF}$ : 1475247631506286419692493585535668846592.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -2571.608+/-0.000  $\chi^2/\text{NDF}$ : 1063119246824932847697552357092126359552.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam3\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 581.214+/-0.000  $\chi^2/\text{NDF}$ : 47234084773976854794522882542049165312.0/13

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

Right Out: -529.248+/-0.000  $\chi^2/\text{NDF}$ : 33804879331228488475673034478900477952.0/13

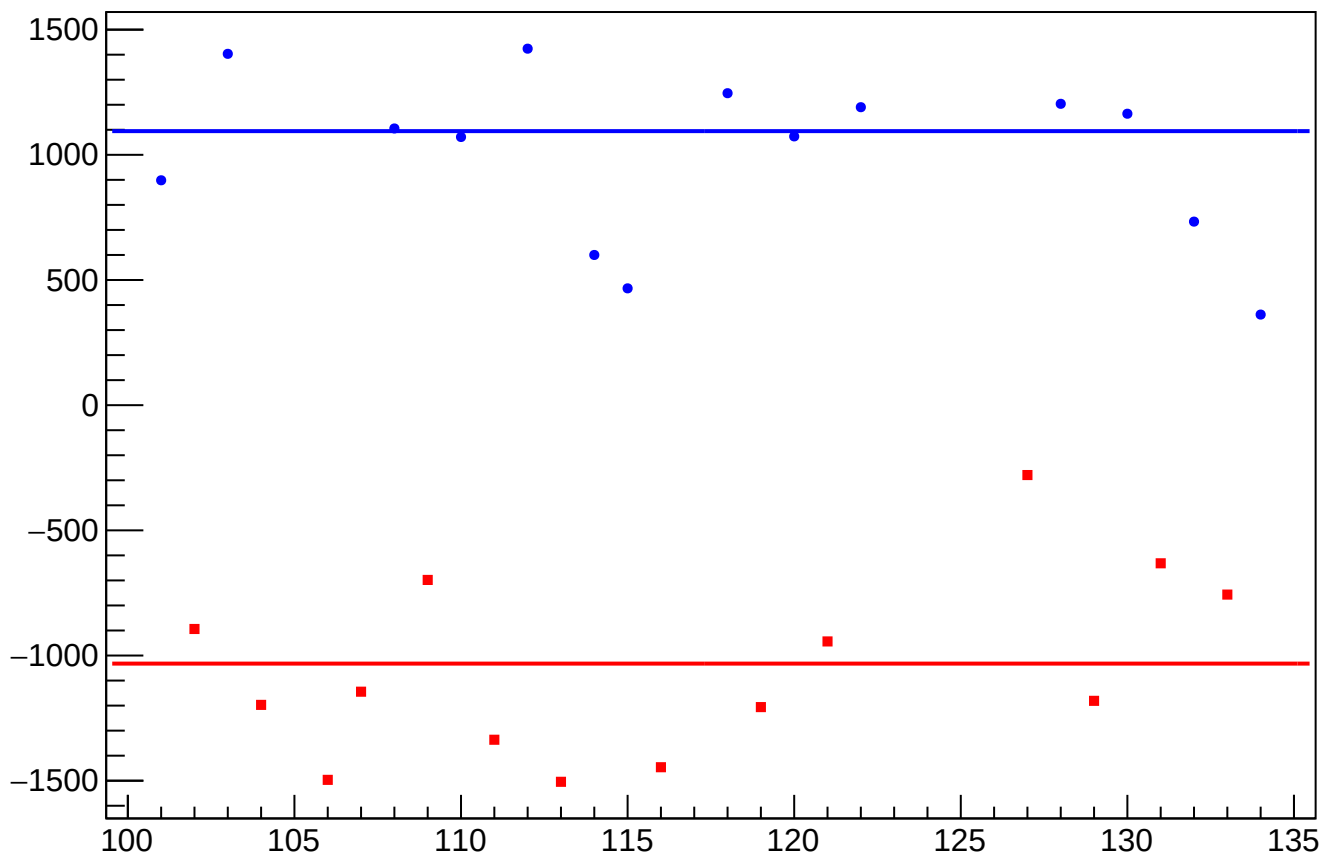
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

581.214+/-0.000  $\chi^2/\text{NDF}$ : 47234084773976854794522882542049165312.0/13

7.332+/-0.000  $\chi^2/\text{NDF}$ : 43855009288167

-529.248+/-0.000  $\chi^2/\text{NDF}$ : 33804879331228488475673034478900477952.0/13

dit\_sam3\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

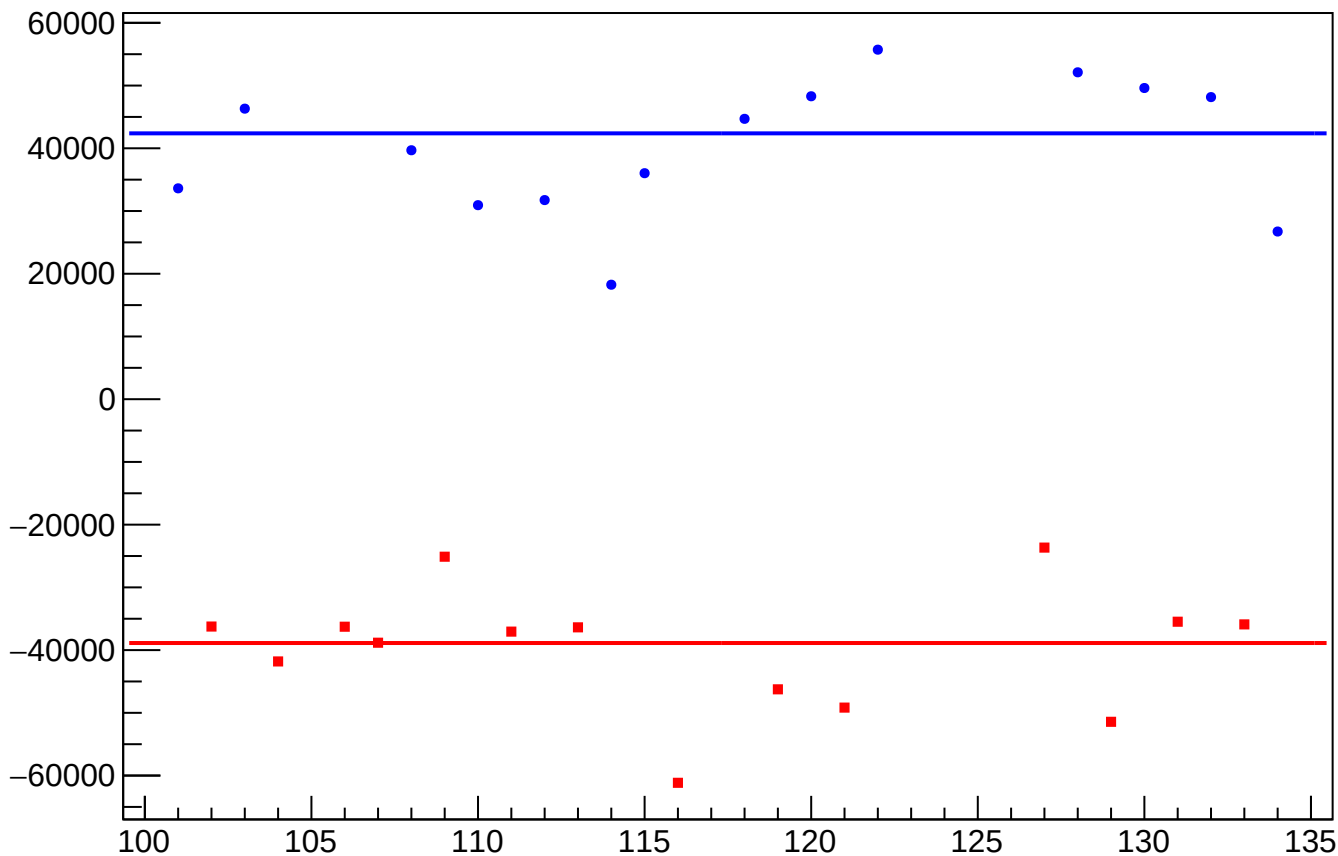
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

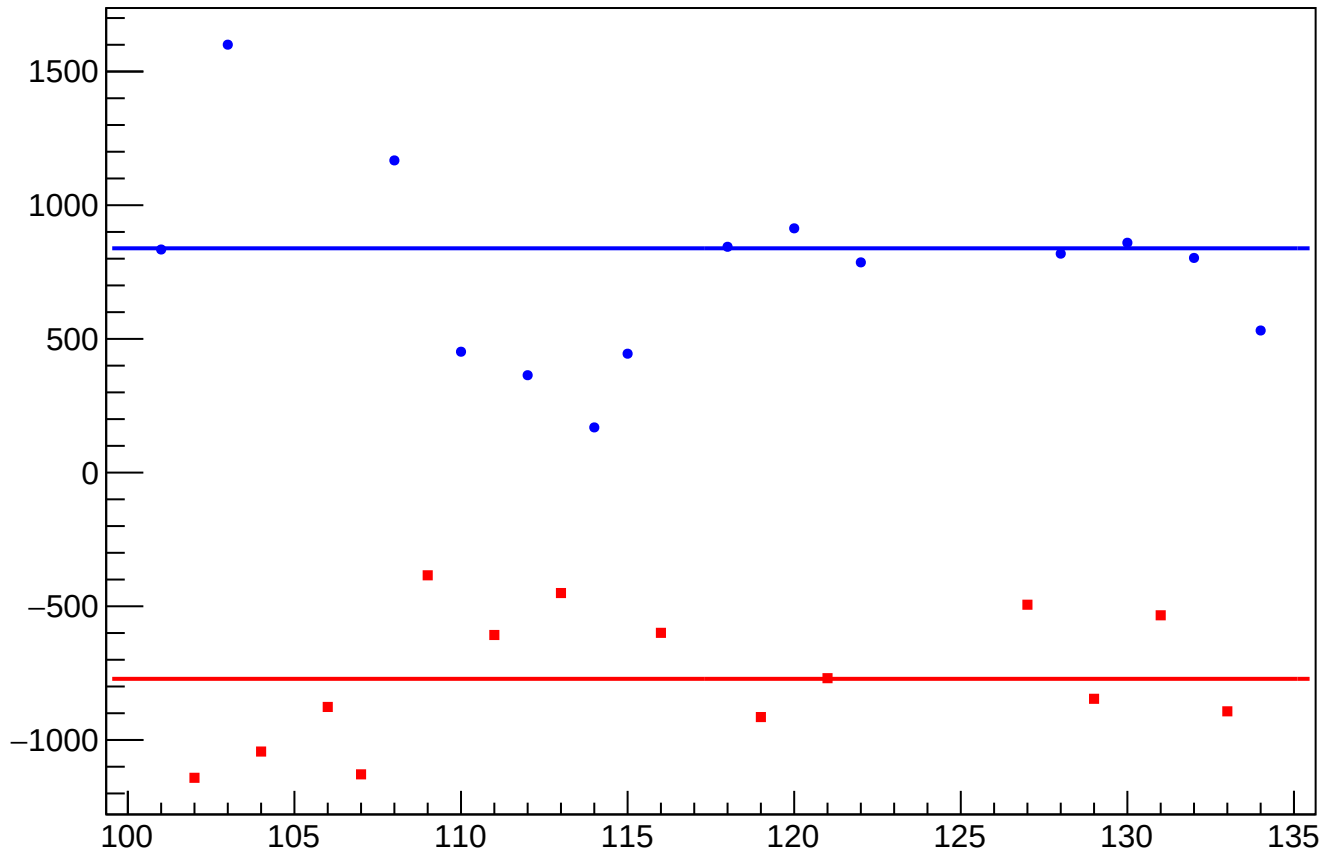
-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

# dit\_sam4\_coil4\_mean vs Slug, Sign Corrected



Right In: 42381.287+/-0.000  $\chi^2/\text{NDF}$ : 46602233723663401143628930908663165485056.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -38869.829+/-0.000  $\chi^2/\text{NDF}$ : 48408963077813714166381851136960912949248.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 838.837+/-0.000  $\chi^2/\text{NDF}$ : 64464848633233086191369531049612673024.0/13

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

Right Out: -771.351+/-0.000  $\chi^2/\text{NDF}$ : 38367804024557805574058740126995972096.0/13

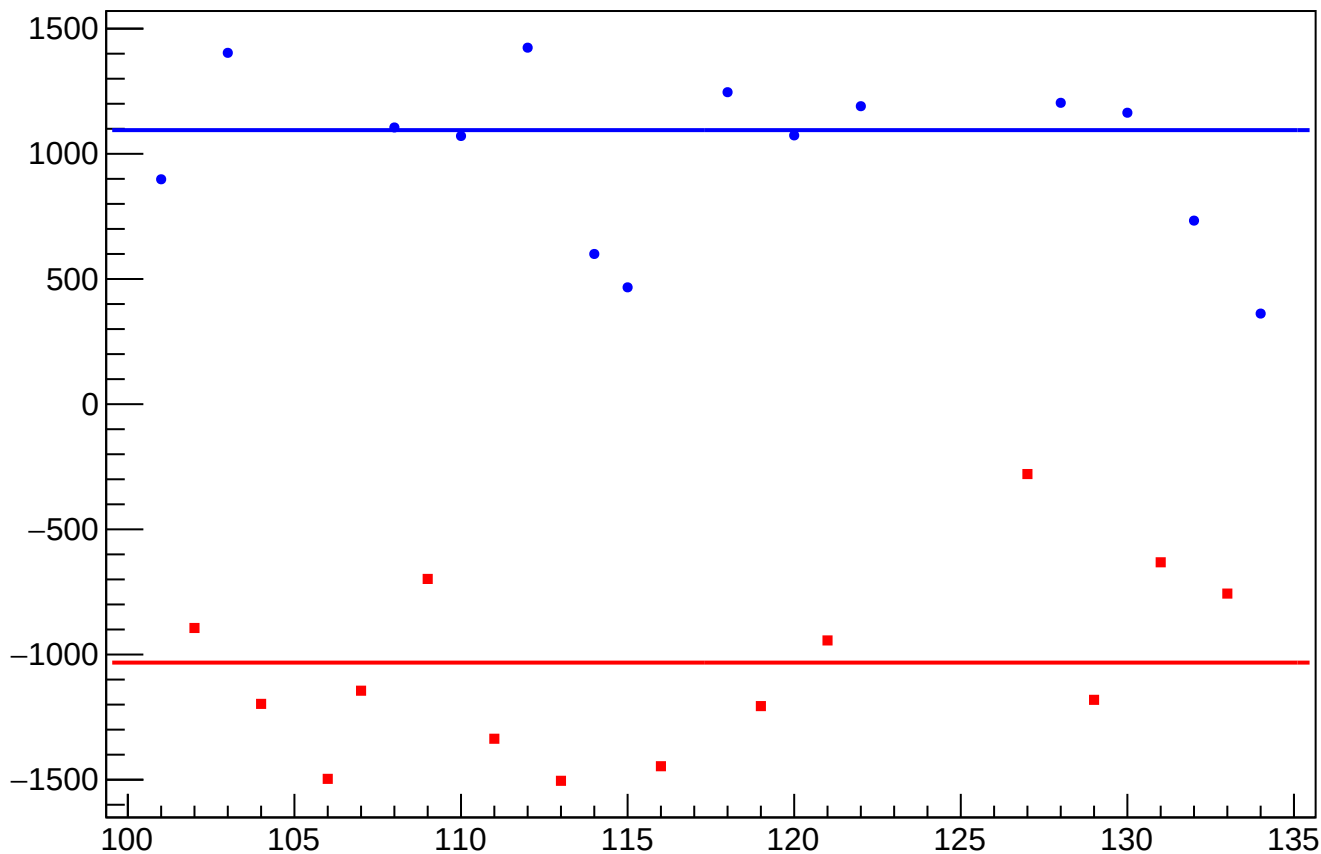
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

838.837+/-0.000  $\chi^2/\text{NDF}$ : 64464848633233086191369531049612673024.0/13

6.699+/-0.000  $\chi^2/\text{NDF}$ : 85451687229773

-771.351+/-0.000  $\chi^2/\text{NDF}$ : 38367804024557805574058740126995972096.0/13

dit\_sam4\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

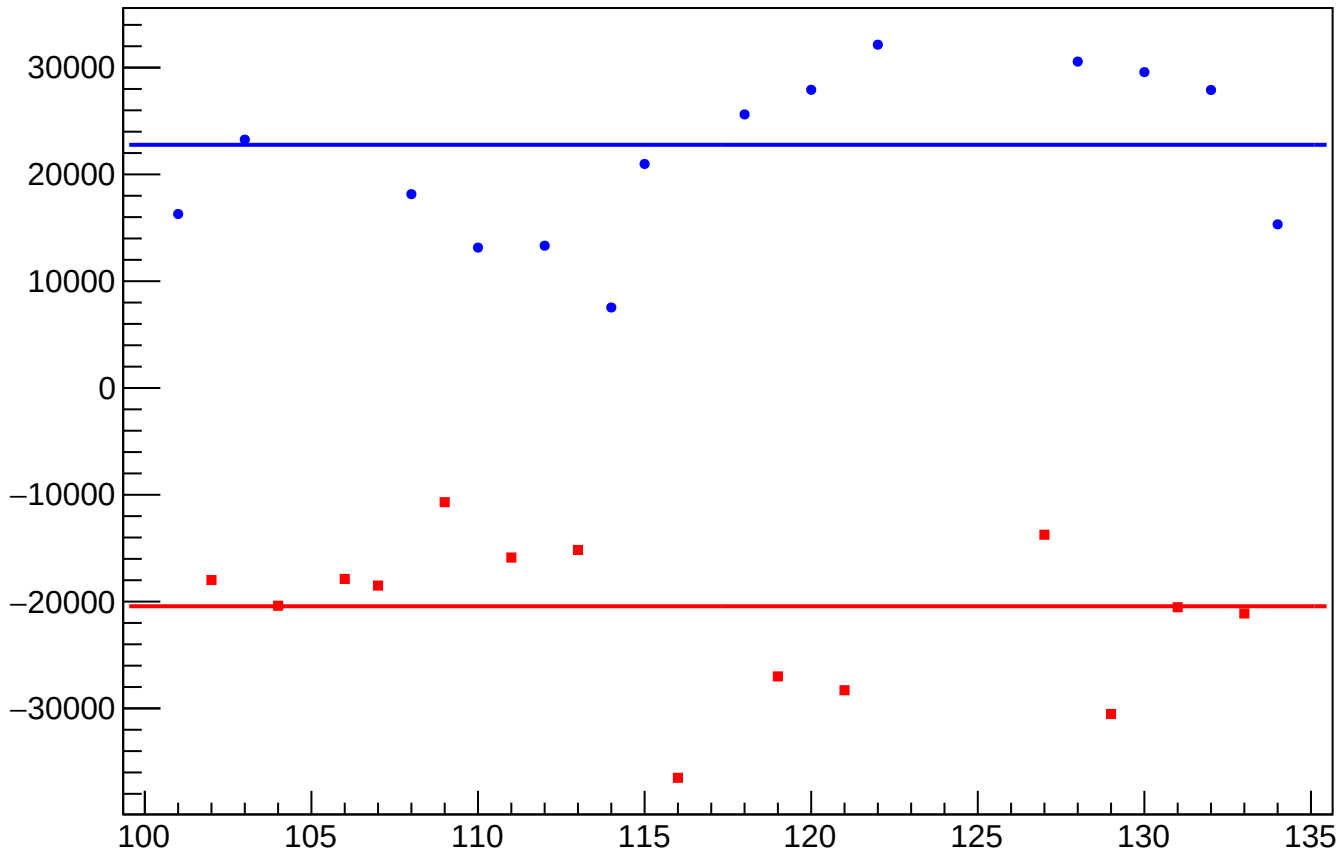
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

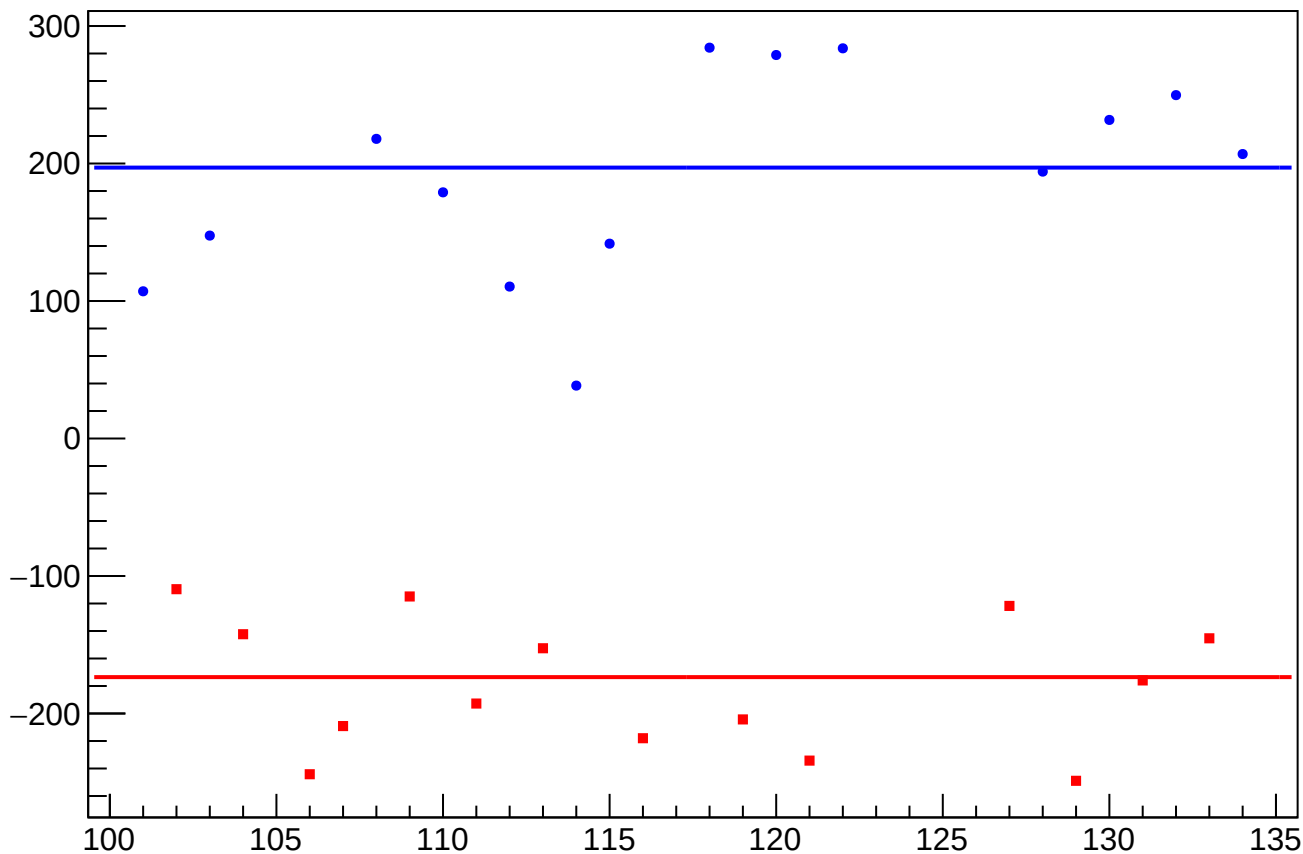
-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

# dit\_sam5\_coil4\_mean vs Slug, Sign Corrected



Right In: 22771.919+/-0.000  $\chi^2/\text{NDF}$ : 26734975078718018713029890917433501286400.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -20436.502+/-0.000  $\chi^2/\text{NDF}$ : 25313695989726806561563463673089716387840.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 197.024+/-0.000  $\chi^2/\text{NDF}$ : 2478521341558265480851076651123998720.0/13

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

Right Out: -173.539+/-0.000  $\chi^2/\text{NDF}$ : 1332019333831388770950744109444235264.0/13

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

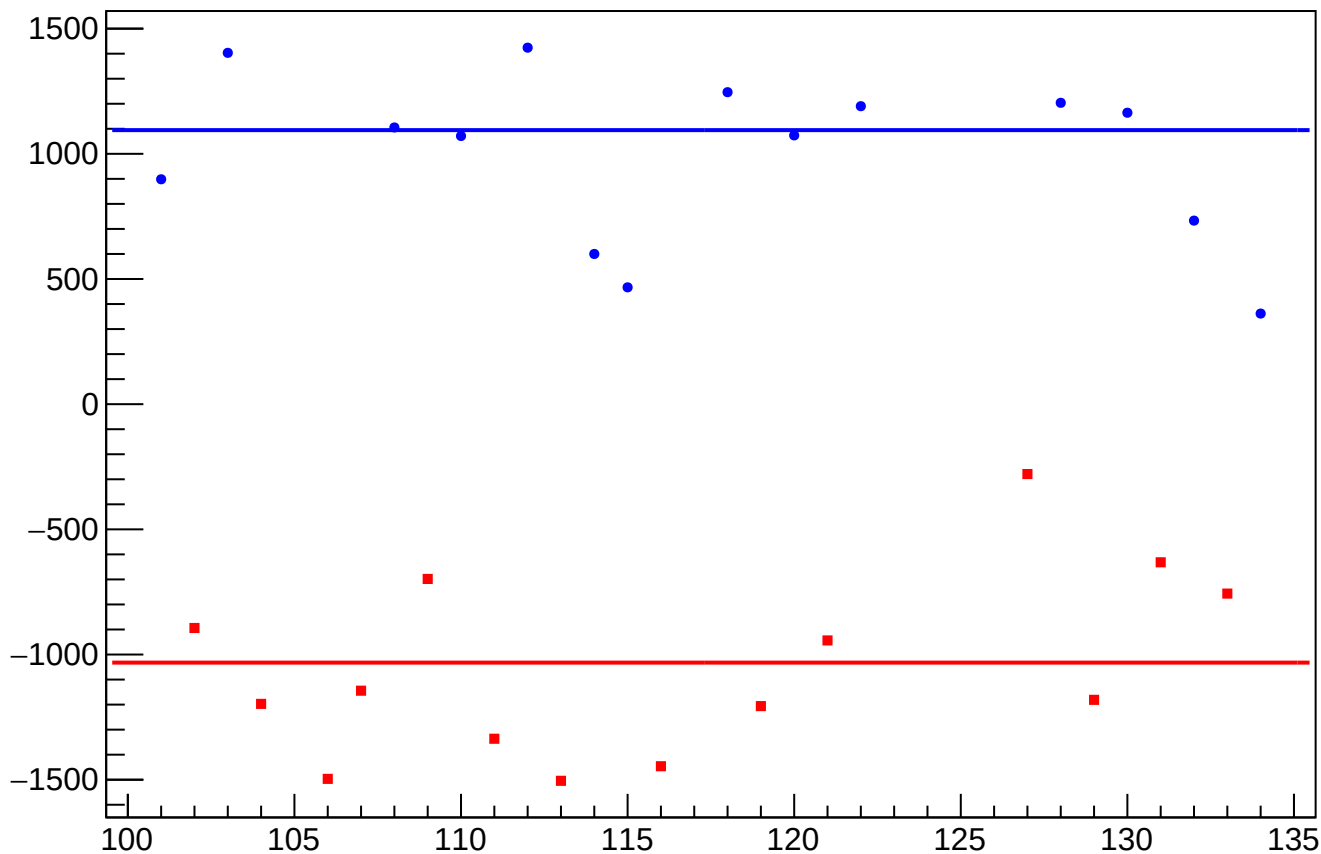
197.024+/-0.000  $\chi^2/\text{NDF}$ : 2478521341558265480851076651123998720.0/13

5.518+/-0.000  $\chi^2/\text{NDF}$ : 43621783740516

-173.539+/-0.000  $\chi^2/\text{NDF}$ : 1332019333831388770950744109444235264.0/13



dit\_sam5\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

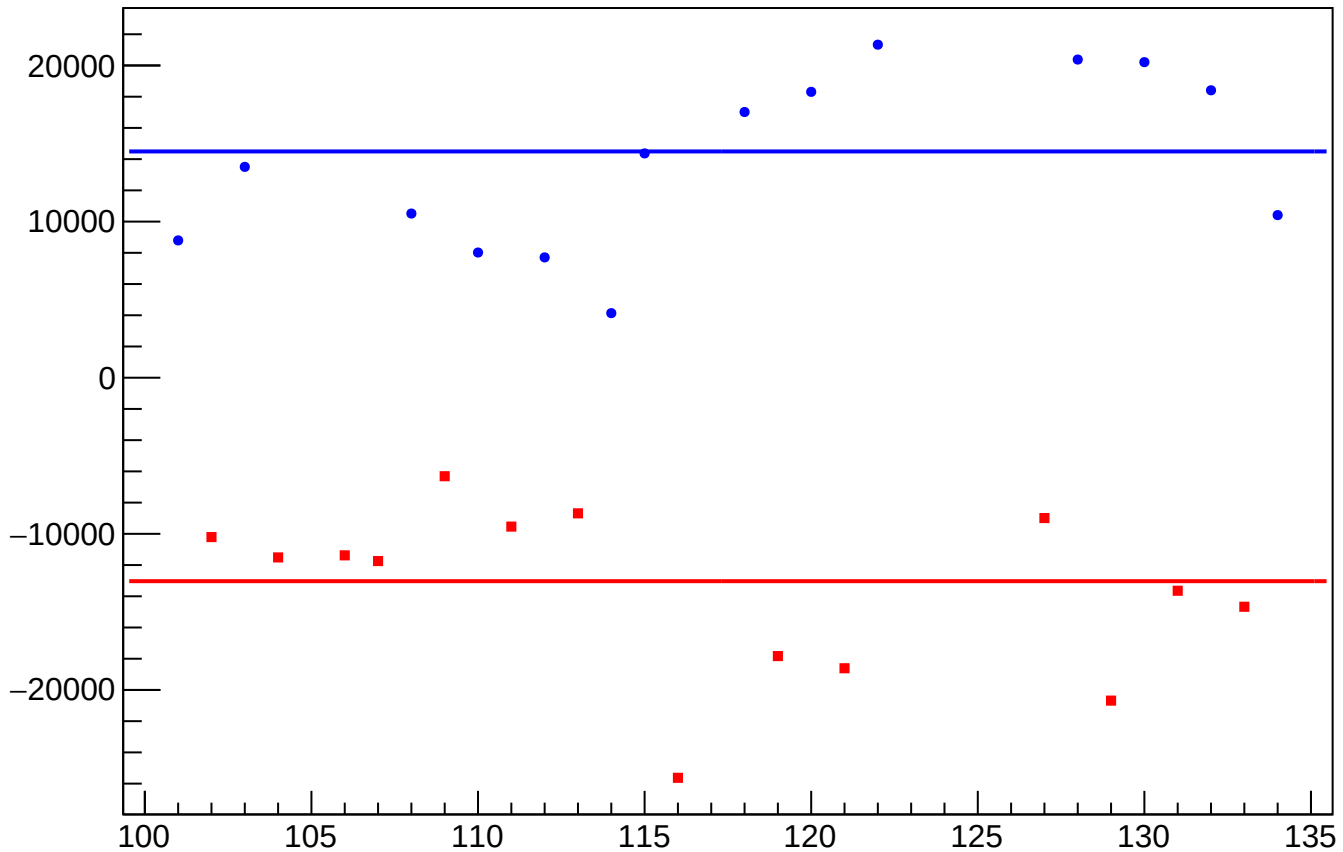
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

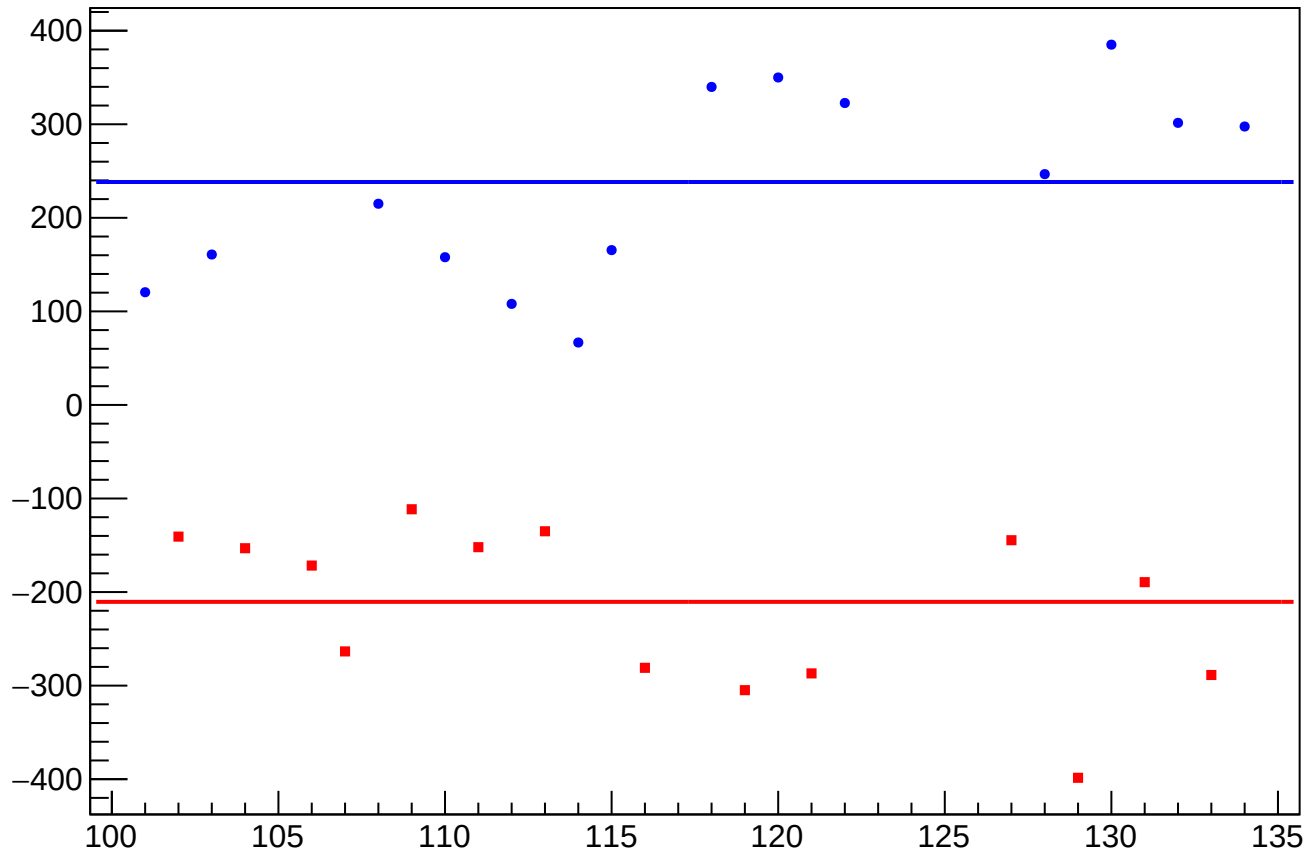
-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

dit\_sam6\_coil4\_mean vs Slug, Sign Corrected



Right In: 14493.338+/-0.000  $\chi^2/\text{NDF}$ : 14960278152073861903002457531105446723584.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -13032.546+/-0.000  $\chi^2/\text{NDF}$ : 14262233420462006927464830537651586072576.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam6\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 238.283+/-0.000  $\chi^2/\text{NDF}$ : 5330696946307168803769820336556605440.0/13

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

Right Out: -210.467+/-0.000  $\chi^2/\text{NDF}$ : 4280747749444164060185477799250755584.0/13

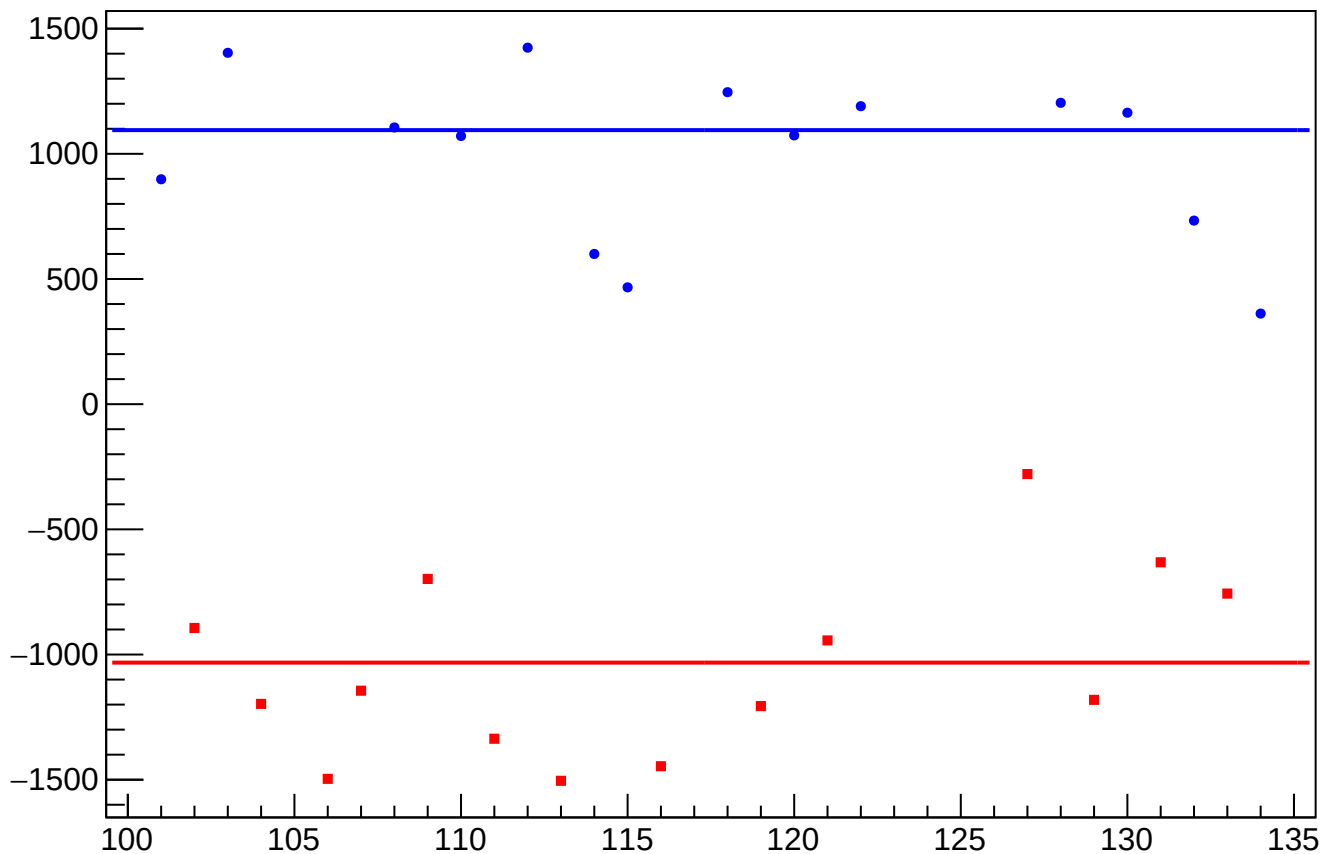
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

238.283+/-0.000  $\chi^2/\text{NDF}$ : 5330696946307168803769820336556605440.0/13

6.370+/-0.000  $\chi^2/\text{NDF}$ : 67995067627882

-210.467+/-0.000  $\chi^2/\text{NDF}$ : 4280747749444164060185477799250755584.0/13

dit\_sam6\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

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

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

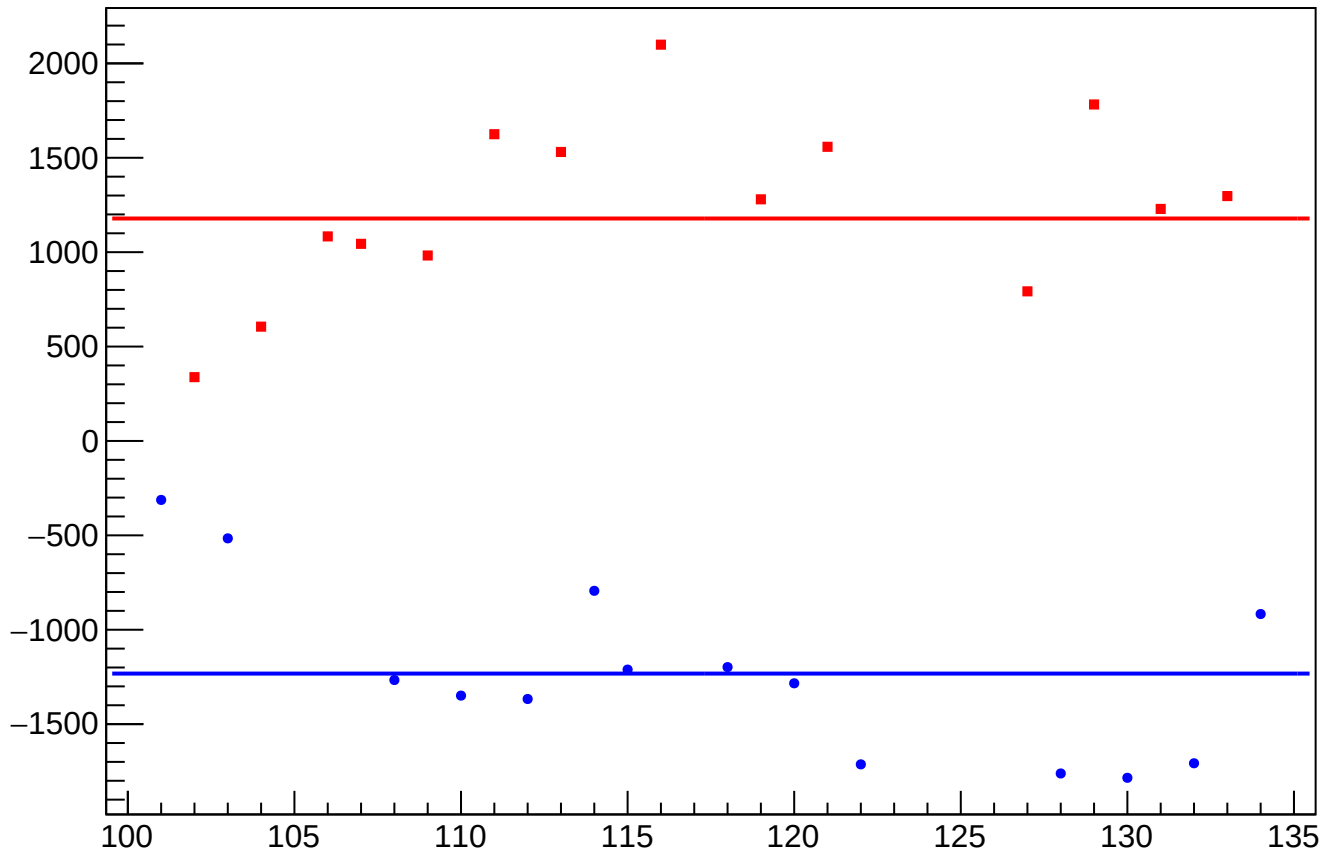
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

# dit\_sam7\_coil4\_mean vs Slug, Sign Corrected



Right In: -1232.222+/-0.000  $\chi^2/\text{NDF}$ : 135957226126040378565533339671494393856.0/13

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

Right Out: 1178.326+/-0.000  $\chi^2/\text{NDF}$ : 125696862353525992518062084654385594368.0/13

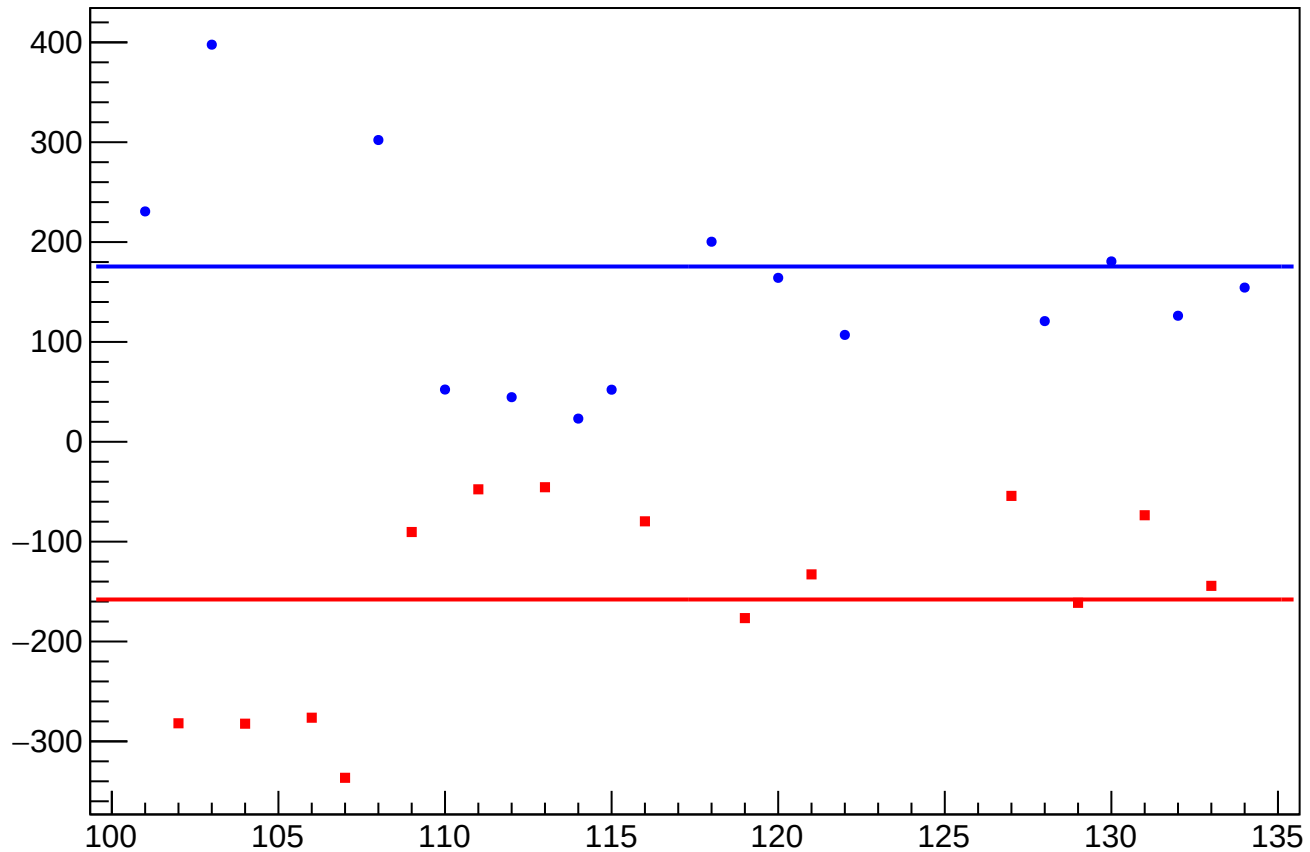
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1232.222+/-0.000  $\chi^2/\text{NDF}$ : 135957226126040

13.539+/-0.000  $\chi^2/\text{NDF}$ : 1946319200942

1178.326+/-0.000  $\chi^2/\text{NDF}$ : 1256968623535259

# dit\_sam7\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 175.528+/-0.000  $\chi^2/\text{NDF}$ : 6047801256583033587515348055975002112.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -157.924+/-0.000  $\chi^2/\text{NDF}$ : 5556177600205086417192256048946216960.0/13

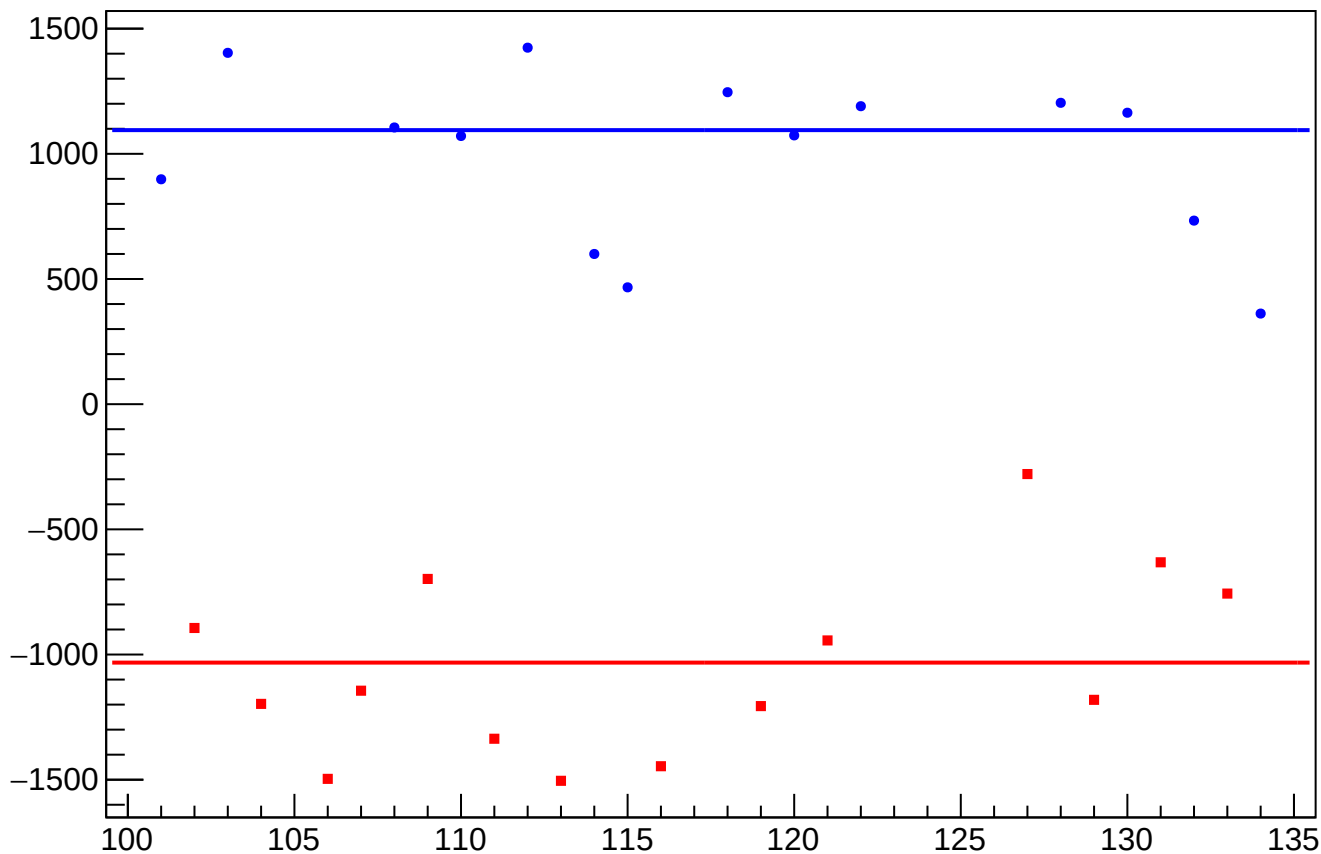
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

175.528+/-0.000  $\chi^2/\text{NDF}$ : 6047801256583033587515348055975002112.0/13

3.201+/-0.000  $\chi^2/\text{NDF}$ : 43840573360636

-157.924+/-0.000  $\chi^2/\text{NDF}$ : 5556177600205086417192256048946216960.0/13

dit\_sam7\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

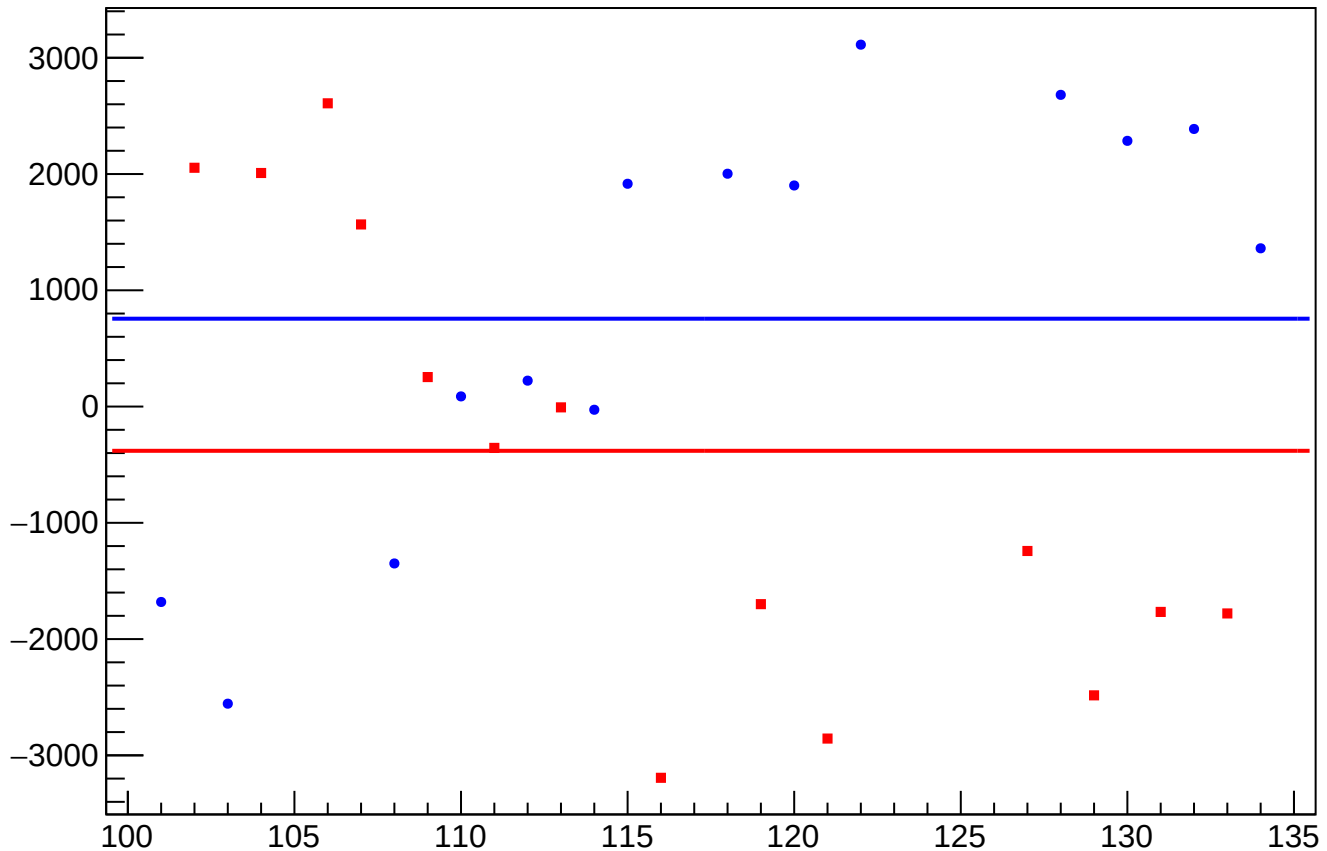
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

# dit\_sam8\_coil4\_mean vs Slug, Sign Corrected



Right In: 755.747+/-0.000  $\chi^2/\text{NDF}$ : 2012031569086458302507027161856937558016.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -380.574+/-0.000  $\chi^2/\text{NDF}$ : 1985283118235520845549931672185778208768.0/13

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

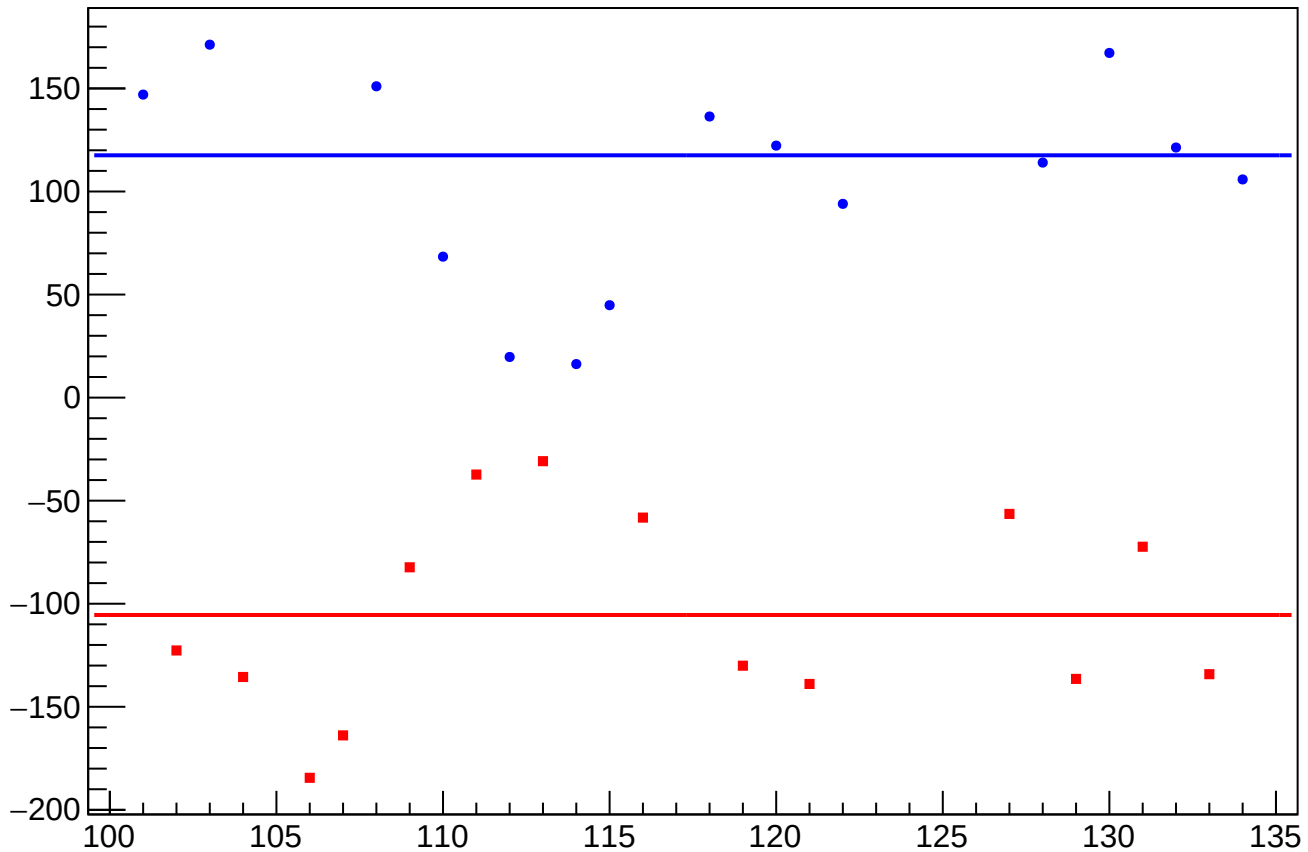
755.747+/-0.000  $\chi^2/\text{NDF}$ : 2012031569086458302507027161856937558016.0/13

168.501+/-0.000  $\chi^2/\text{NDF}$ : 437166994200

-380.574+/-0.000  $\chi^2/\text{NDF}$ : 1985283118235520845549931672185778208768.0/13



dit\_sam8\_coil4\_err\_mean vs Slug, Sign Corrected



Right In: 117.562+/-0.000  $\chi^2/\text{NDF}$ : 1190382510570056018070137431700537344.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -105.460+/-0.000  $\chi^2/\text{NDF}$ : 1221323561738902470505277514766614528.0/13

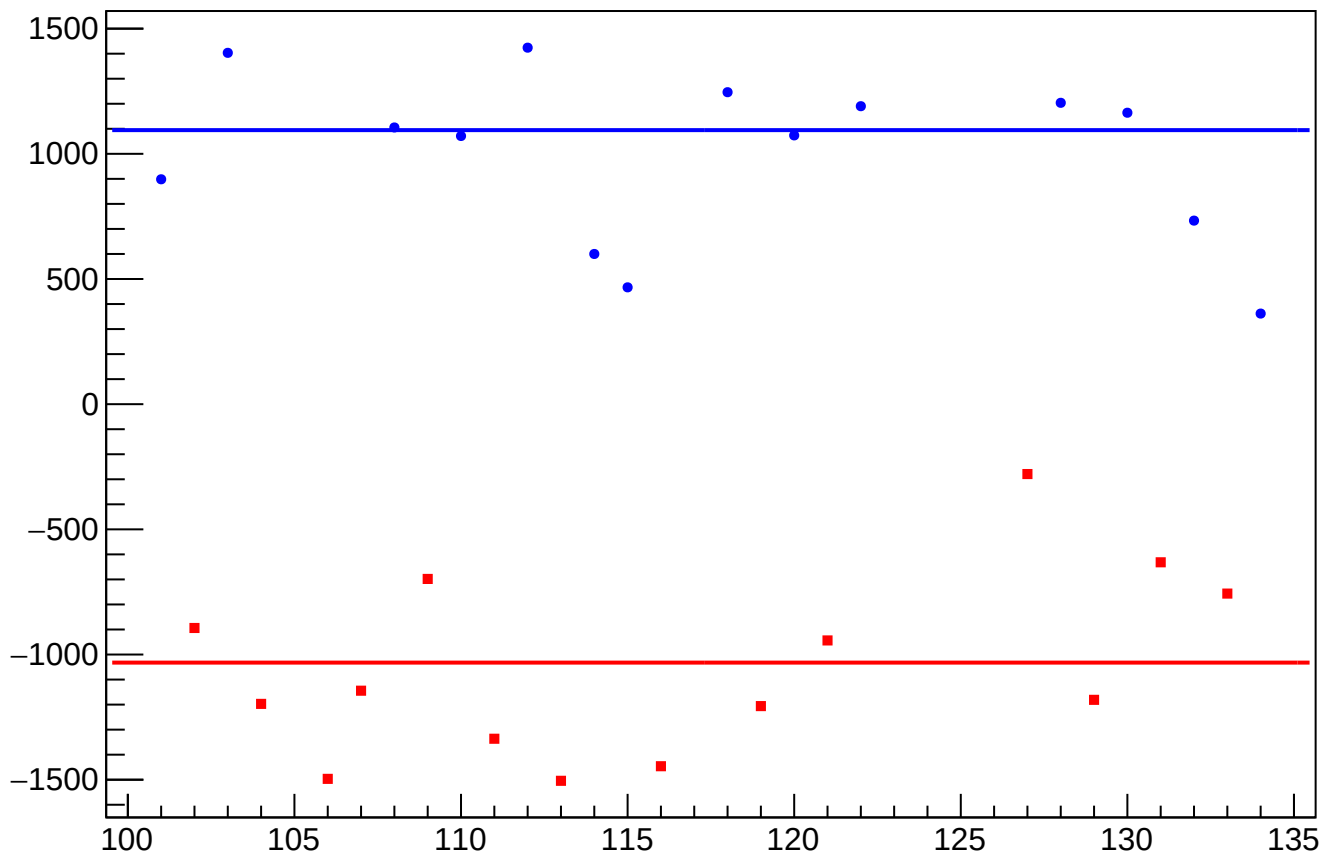
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

117.562+/-0.000  $\chi^2/\text{NDF}$ : 11903825105700560

2.305+/-0.000  $\chi^2/\text{NDF}$ : 16832149290730

-105.460+/-0.000  $\chi^2/\text{NDF}$ : 1221323561738902

dit\_sam8\_coil4\_Ndata\_mean vs Slug, Sign Corrected



Right In: 1094.652+/-0.000  $\chi^2/\text{NDF}$ : 39997670867808841839977502596302635008.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1032.238+/-0.000  $\chi^2/\text{NDF}$ : 70670092265704025294357092897268957184.0/13

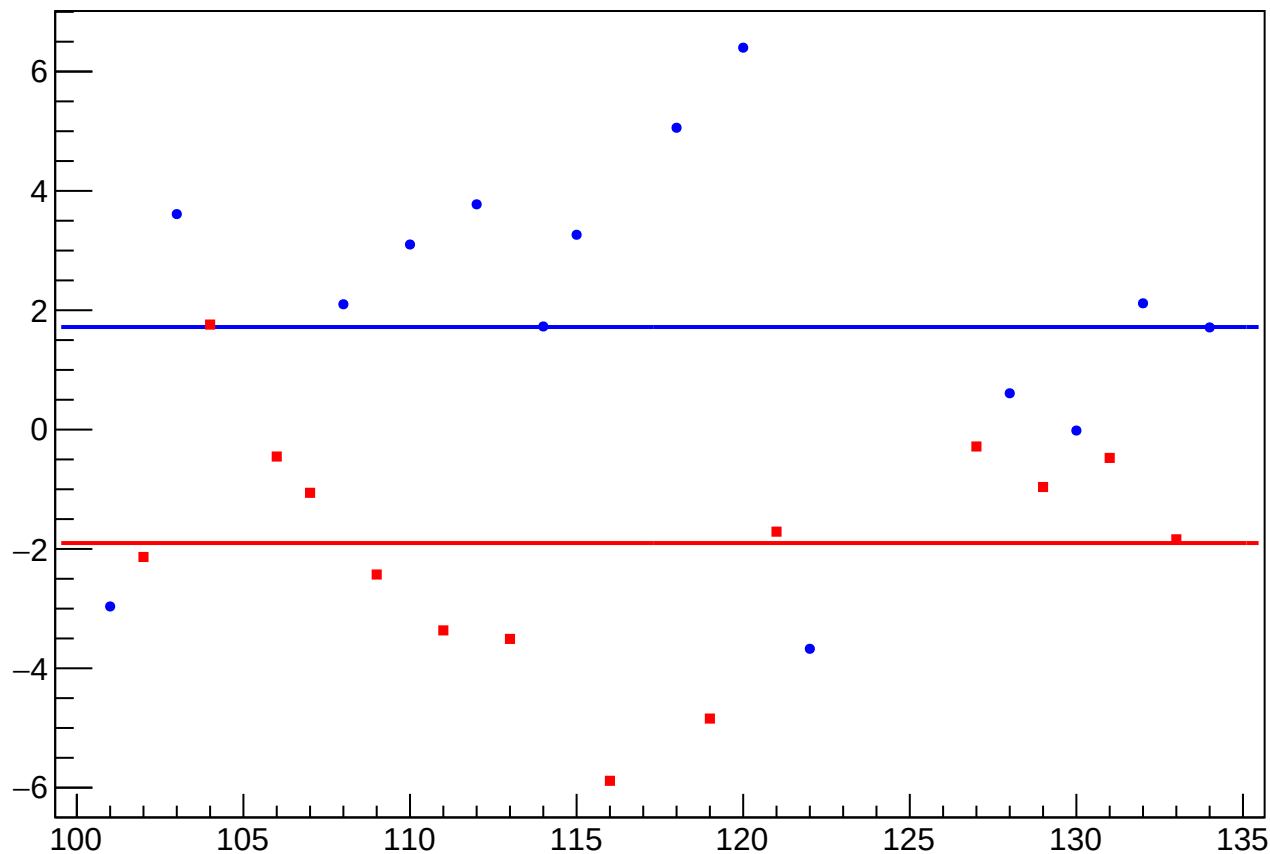
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1094.652+/-0.000  $\chi^2/\text{NDF}$ : 3999767086780884

-4.516+/-0.000  $\chi^2/\text{NDF}$ : 1422179714951

-1032.238+/-0.000  $\chi^2/\text{NDF}$ : 706700922657040

dit\_4aX\_coil6\_mean vs Slug, Sign Corrected



Right In: 1.719+/-0.000  $\chi^2/\text{NDF}$ : 4588586964474334273810062433583104.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.901+/-0.000  $\chi^2/\text{NDF}$ : 2095502577739617961707393091895296.0/13

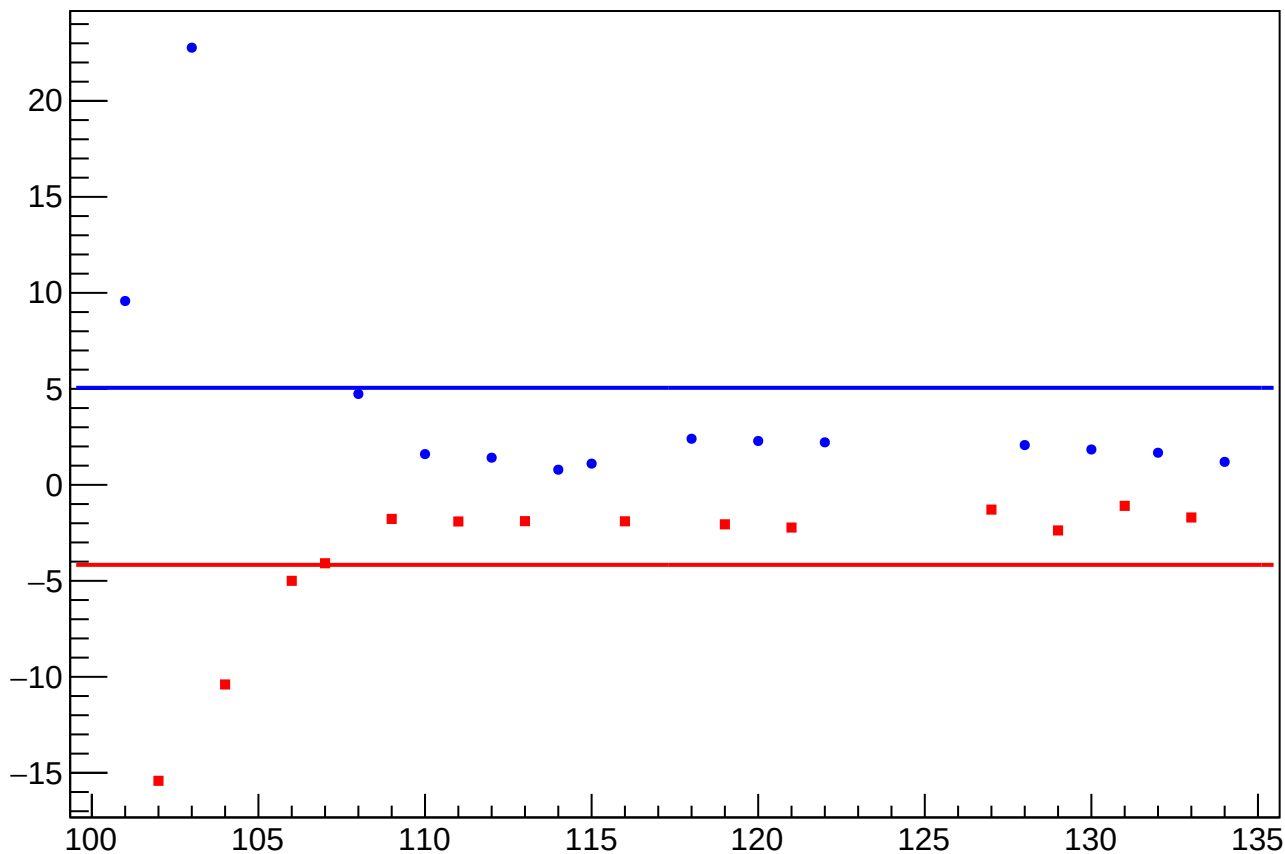
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.719+/-0.000  $\chi^2/\text{NDF}$ : 4588586964474334273

-0.152+/-0.000  $\chi^2/\text{NDF}$ : 1048313427996

-1.901+/-0.000  $\chi^2/\text{NDF}$ : 209550257773961796

dit\_4aX\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 5.054+/-0.000  $\chi^2/\text{NDF}$ : 23977976607719469721211013896863744.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.168+/-0.000  $\chi^2/\text{NDF}$ : 11719190428189516285285850228457472.0/13

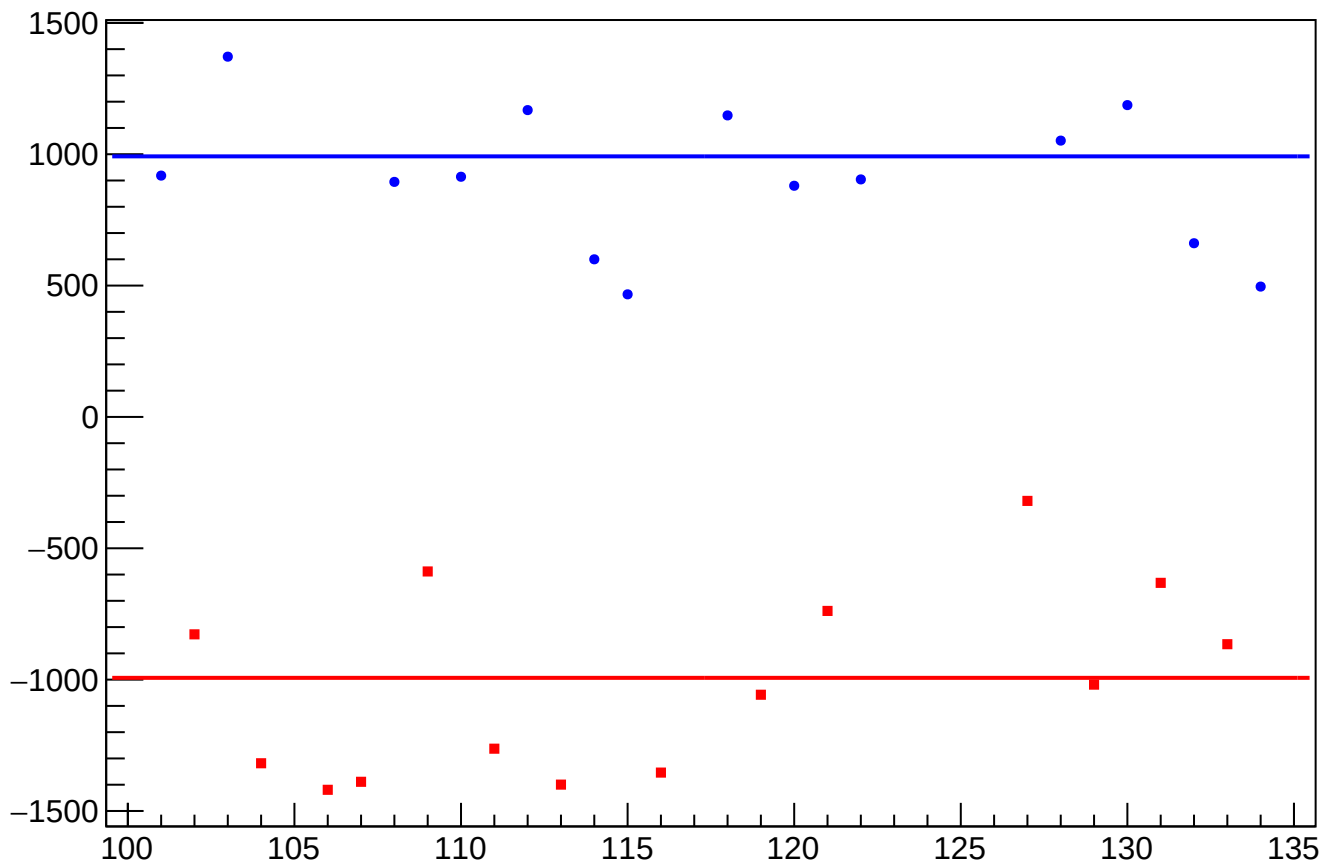
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.054+/-0.000  $\chi^2/\text{NDF}$ : 23977976607719469721211013896863744.0/13

0.288+/-0.000  $\chi^2/\text{NDF}$ : 60351945485254

-4.168+/-0.000  $\chi^2/\text{NDF}$ : 11719190428189516285285850228457472.0/13

dit\_4aX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

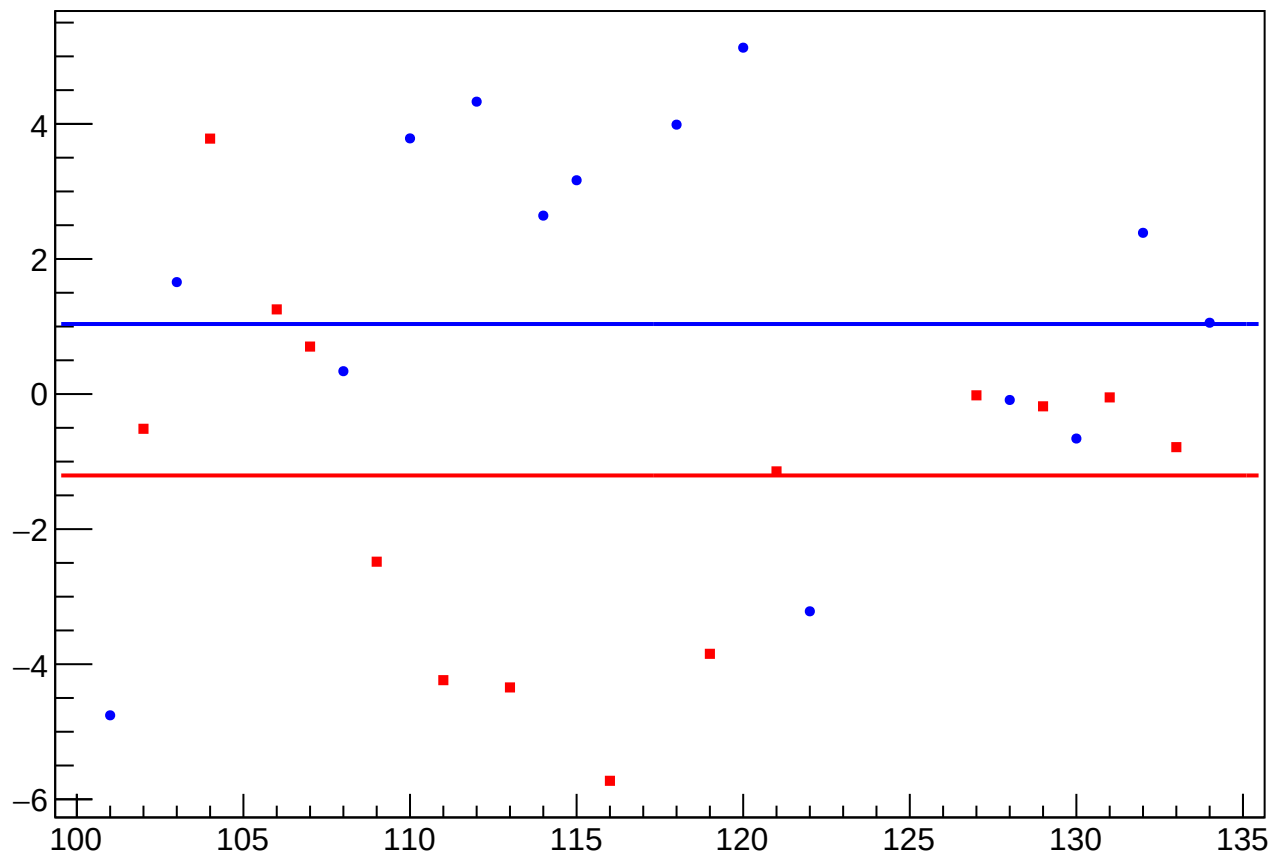
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 6874960936396295

# dit\_4eX\_coil6\_mean vs Slug, Sign Corrected



Right In: 1.037+/-0.000  $\chi^2/\text{NDF}$ : 4988127785923341696218663634337792.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.205+/-0.000  $\chi^2/\text{NDF}$ : 3612535734504659577353823519244288.0/13

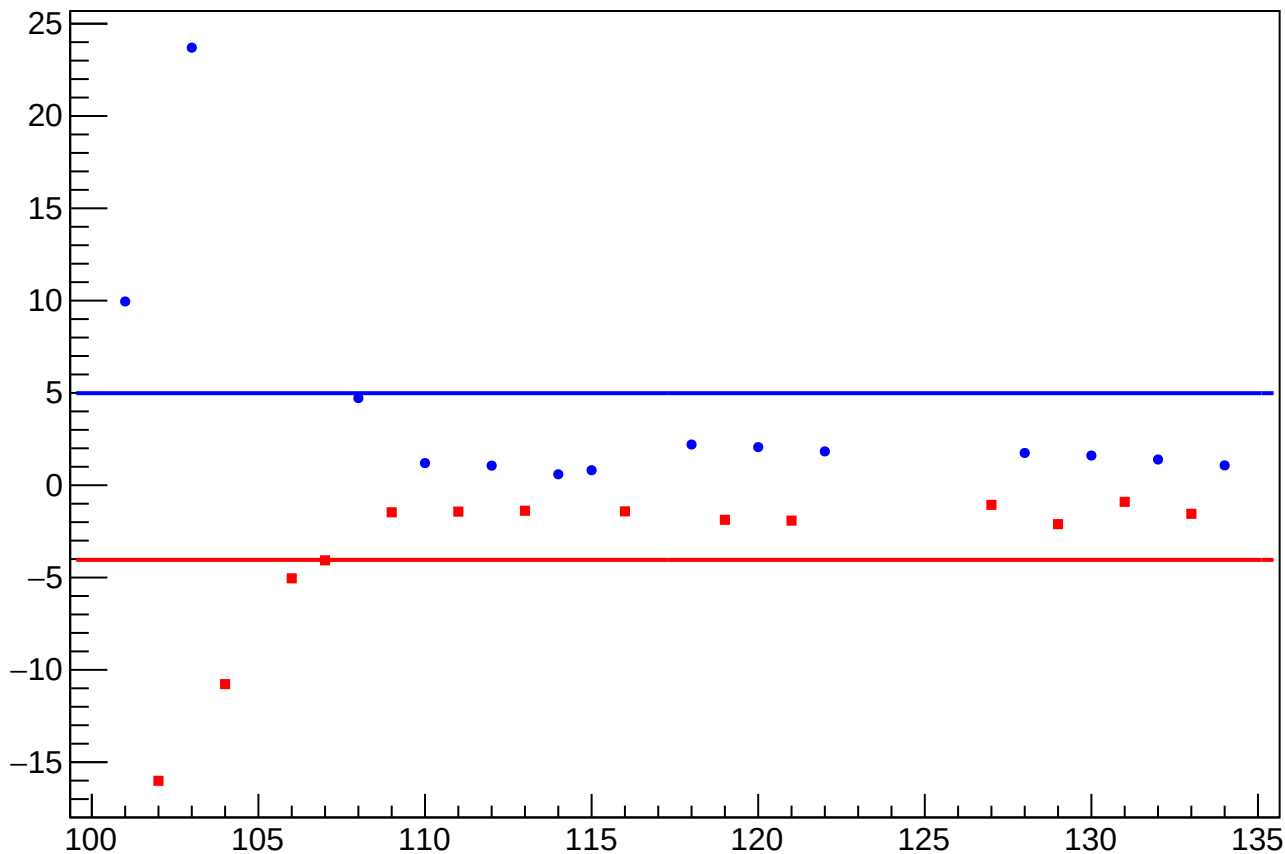
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.037+/-0.000  $\chi^2/\text{NDF}$ : 4988127785923341696

-0.122+/-0.000  $\chi^2/\text{NDF}$ : 1005849861428

-1.205+/-0.000  $\chi^2/\text{NDF}$ : 361253573450465957

# dit\_4eX\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 4.986 $\pm$ 0.000  $\chi^2$ /NDF: 26952507499831570251837354480238592.0/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -4.043 $\pm$ 0.000  $\chi^2$ /NDF: 13395231314317387110292035905519616.0/13

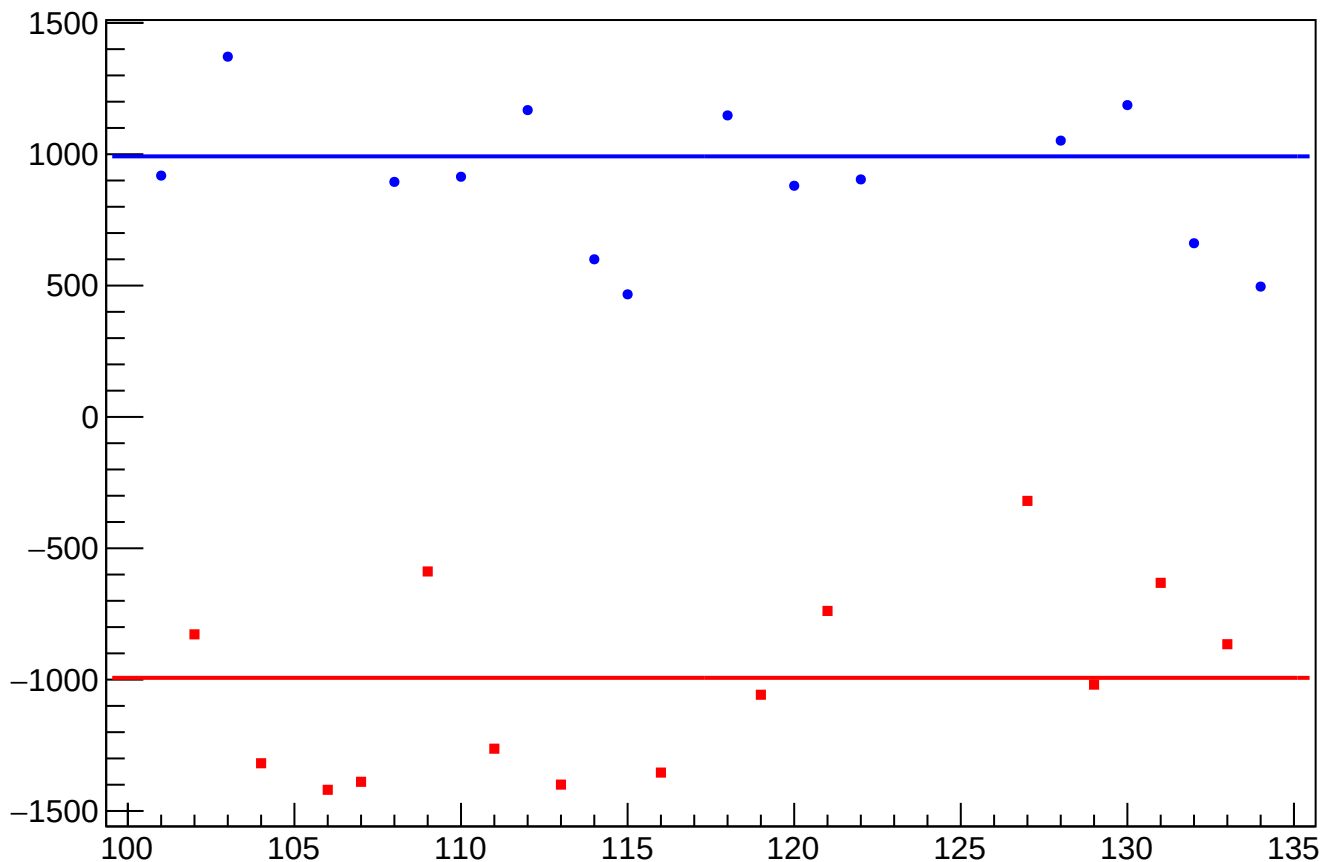
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

4.986 $\pm$ 0.000  $\chi^2$ /NDF: 26952507499831570251837354480238592.0/13

0.320 $\pm$ 0.000  $\chi^2$ /NDF: 63981794410368

-4.043 $\pm$ 0.000  $\chi^2$ /NDF: 13395231314317387110292035905519616.0/13

dit\_4eX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

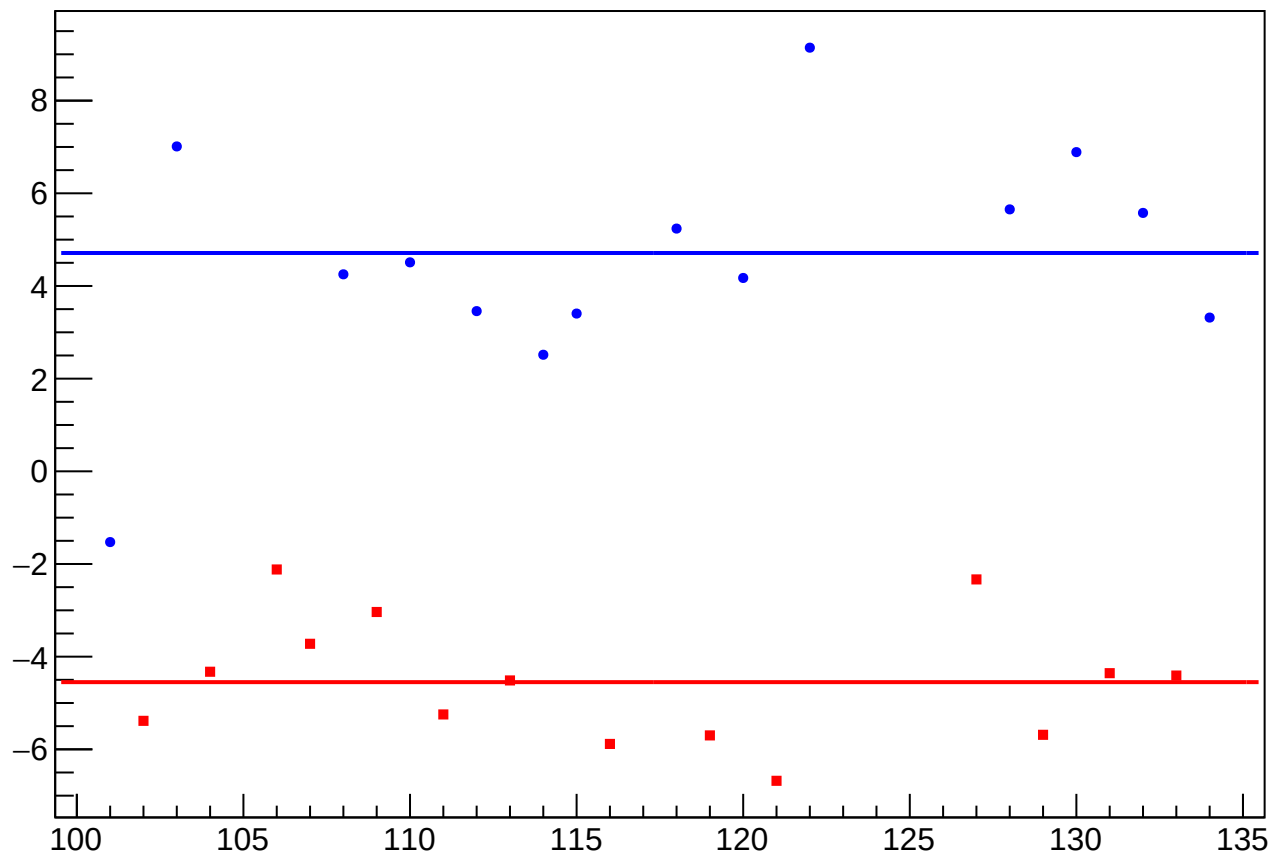
991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 6874960936396295



# dit\_11X12X\_coil6\_mean vs Slug, Sign Corrected



Right In: 4.712+/-0.000  $\chi^2/\text{NDF}$ : 3974457991977671966994069983330304.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.550+/-0.000  $\chi^2/\text{NDF}$ : 948962953380054423258594854043648.0/13

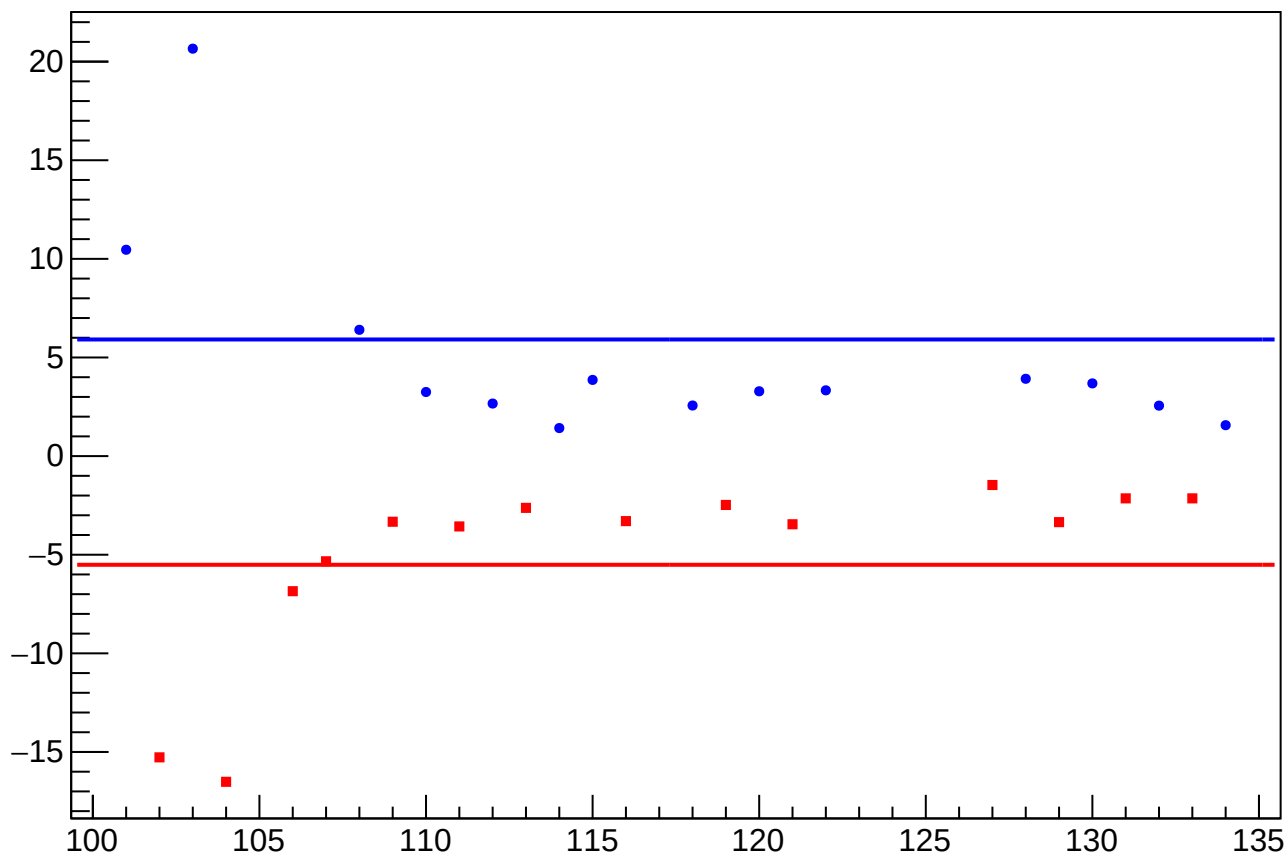
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.712+/-0.000  $\chi^2/\text{NDF}$ : 3974457991977671966

-0.075+/-0.000  $\chi^2/\text{NDF}$ : 29793864752736

-4.550+/-0.000  $\chi^2/\text{NDF}$ : 948962953380054423

dit\_11X12X\_coil6\_err\_mean vs Slug, Sign Corrected



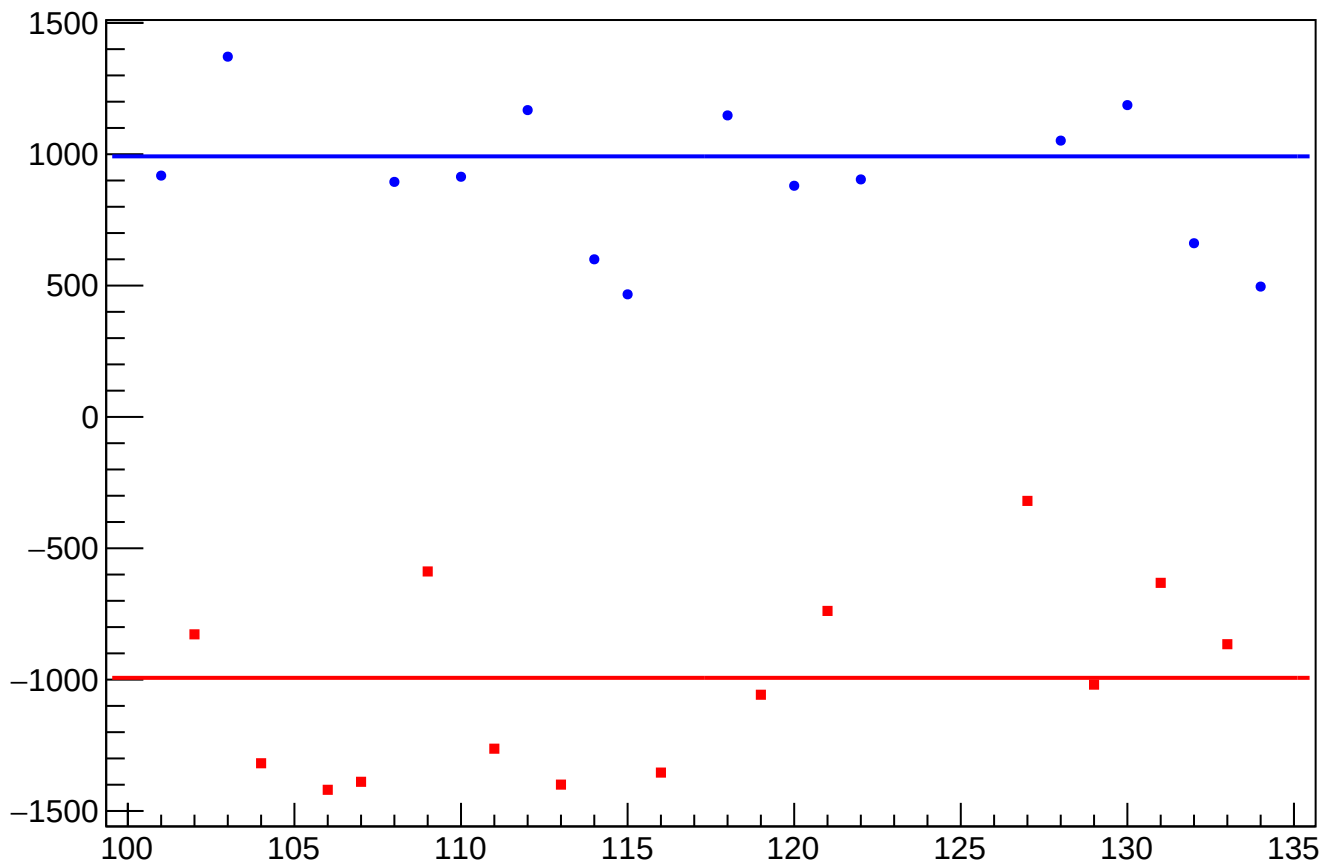
Right In:  $5.913 \pm 0.000$   $\chi^2/\text{NDF}$ : 17543293929933586694494476310675456.0/13

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-5.510 \pm 0.000$   $\chi^2/\text{NDF}$ : 15140058339812484294570777069486080.0/13

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

dit\_11X12X\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

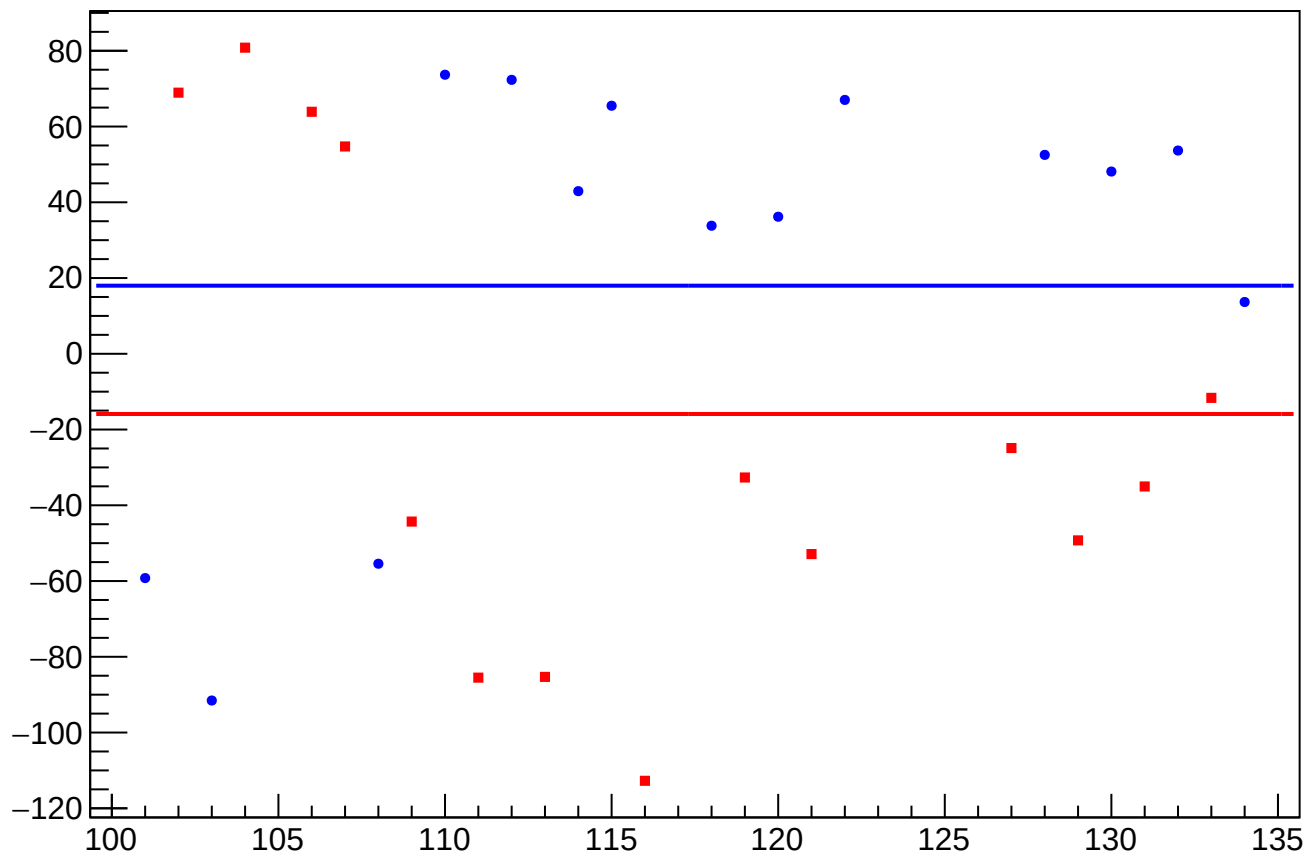
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 6874960936396295

dit\_4aY\_coil6\_mean vs Slug, Sign Corrected



Right In: 17.981+/-0.000  $\chi^2/\text{NDF}$ : 1842046201150799835968879034361708544.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -15.893+/-0.000  $\chi^2/\text{NDF}$ : 2124235563044649697736912970434215936.0/13

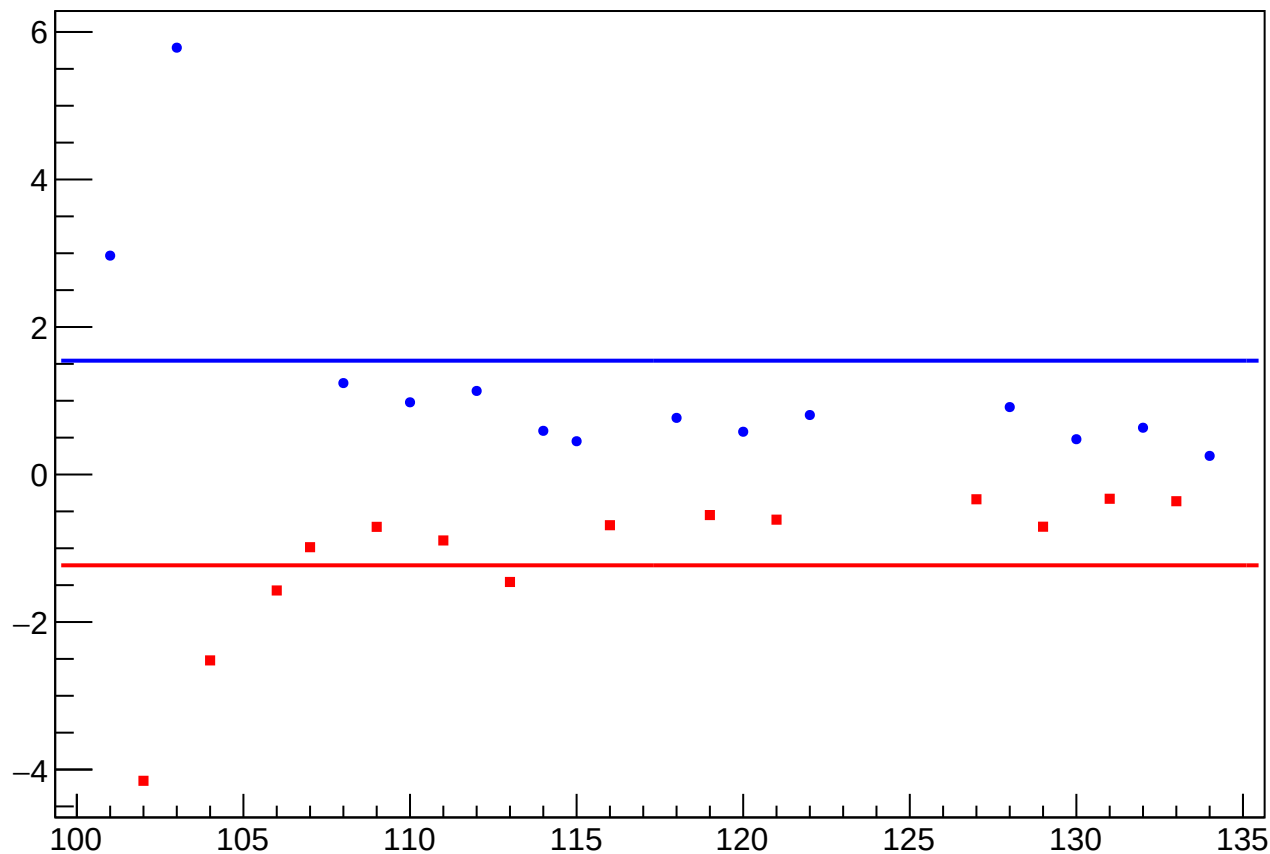
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

17.981+/-0.000  $\chi^2/\text{NDF}$ : 1842046201150799835968879034361708544.0/13

0.475+/-0.000  $\chi^2/\text{NDF}$ : 42989661916419

-15.893+/-0.000  $\chi^2/\text{NDF}$ : 2124235563044649697736912970434215936.0/13

dit\_4aY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1.543+/-0.000  $\chi^2/\text{NDF}$ : 1465985198622088317380422786875392.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.231+/-0.000  $\chi^2/\text{NDF}$ : 763000979380801732851160244551680.0/13

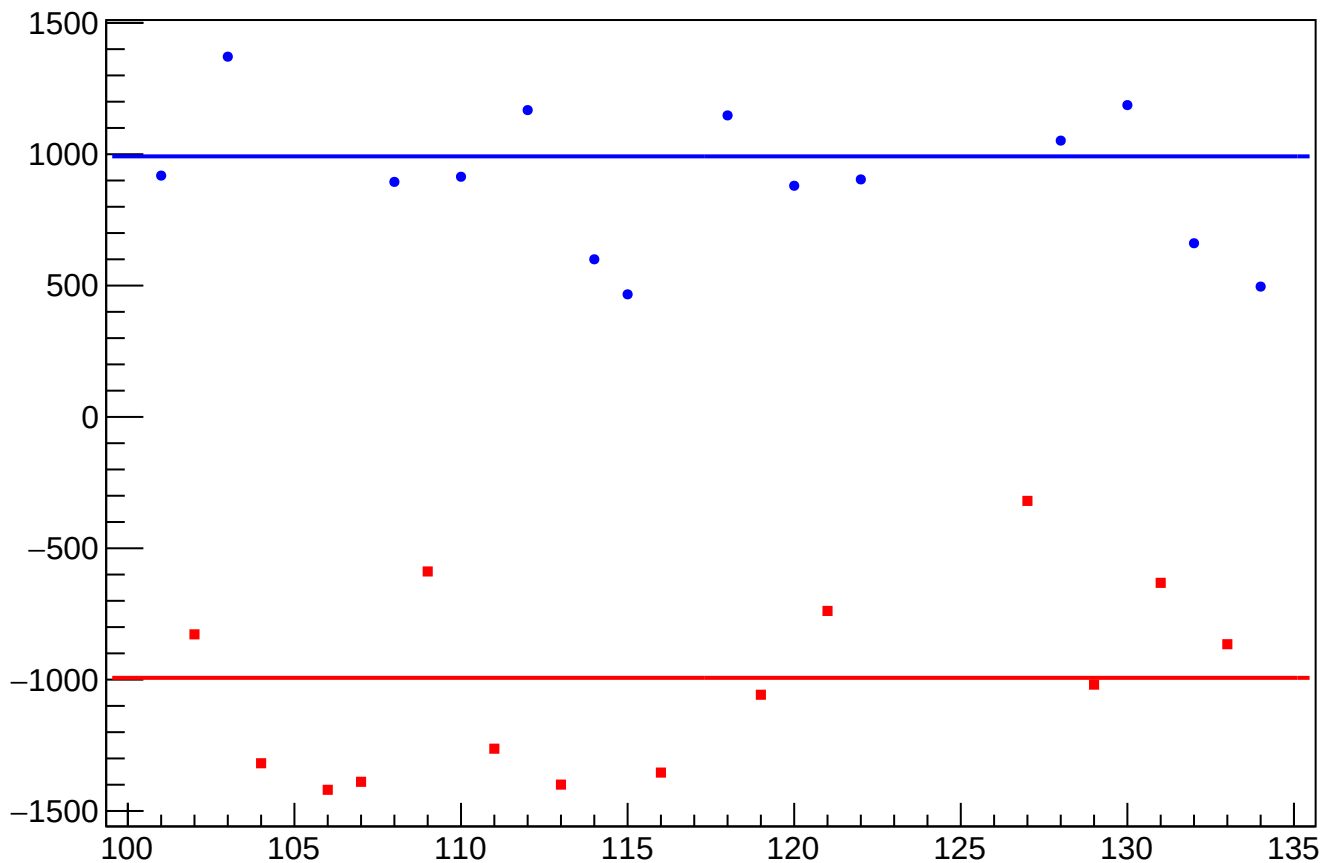
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.543+/-0.000  $\chi^2/\text{NDF}$ : 1465985198622088317380422786875392.0/13

0.110+/-0.000  $\chi^2/\text{NDF}$ : 44608198230605

-1.231+/-0.000  $\chi^2/\text{NDF}$ : 763000979380801732851160244551680.0/13

dit\_4aY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

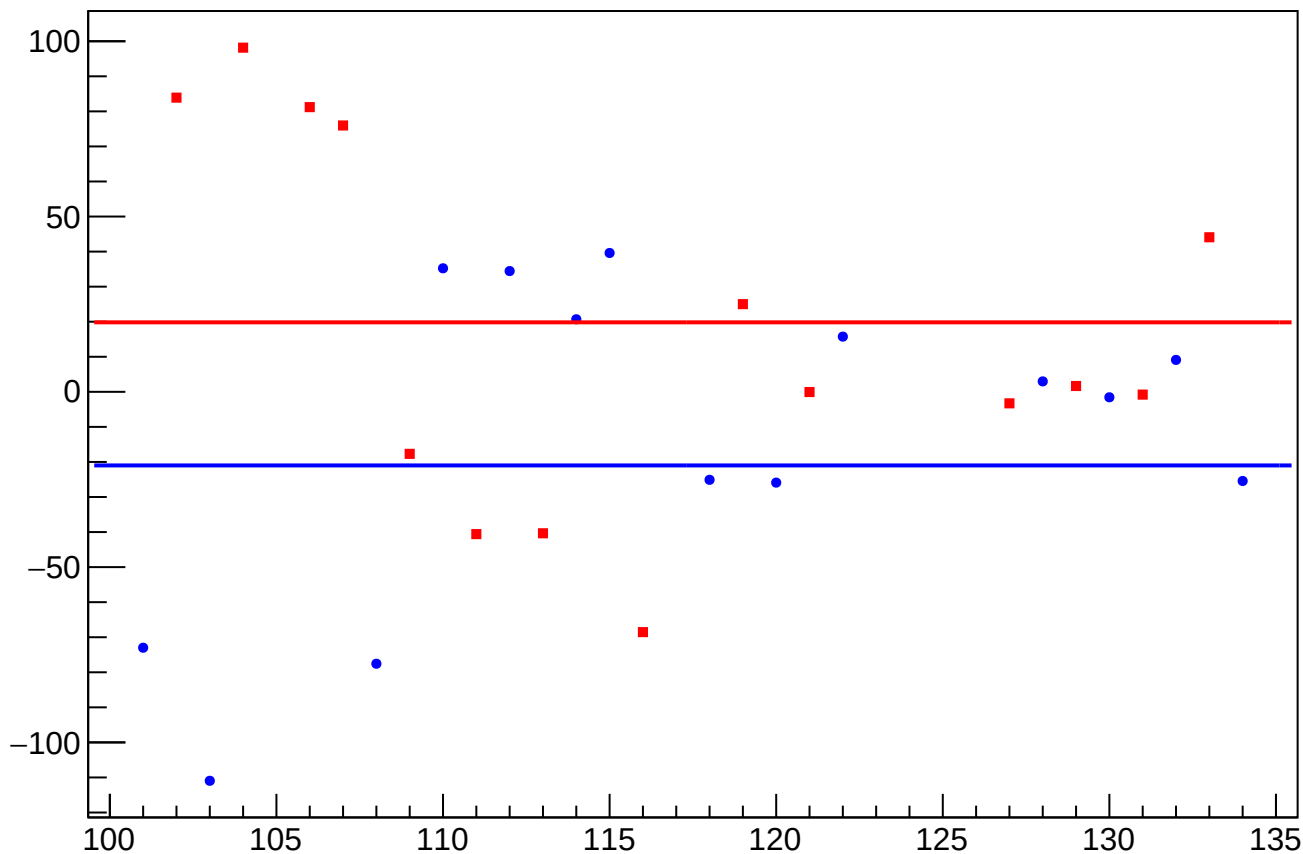
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 6874960936396295

# dit\_4eY\_coil6\_mean vs Slug, Sign Corrected



Right In: -20.994+/-0.000  $\chi^2/\text{NDF}$ : 1232675408088997984114760773363826688.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.822+/-0.000  $\chi^2/\text{NDF}$ : 1478618585451899242789263821936525312.0/13

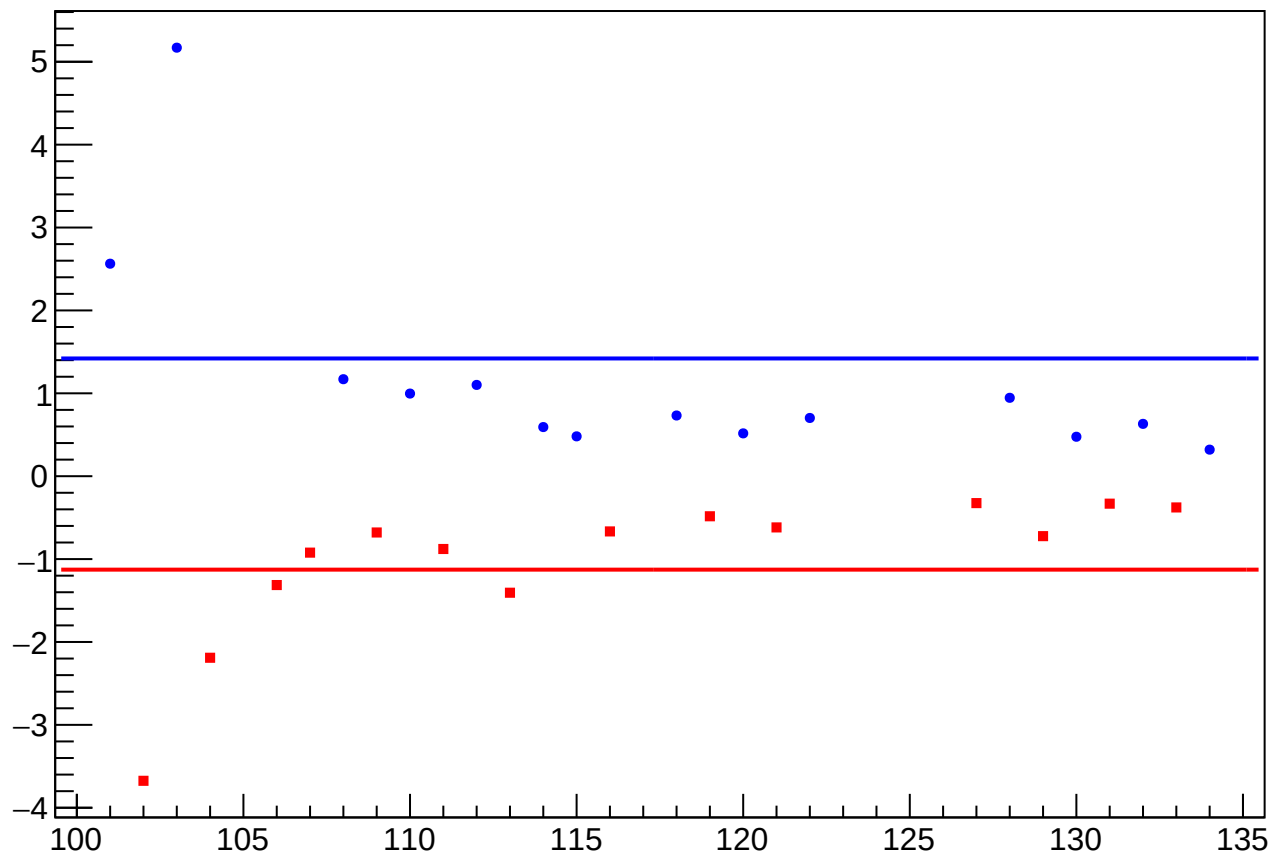
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-20.994+/-0.000  $\chi^2/\text{NDF}$ : 12326754080889979

0.099+/-0.000  $\chi^2/\text{NDF}$ : 31942813298314

19.822+/-0.000  $\chi^2/\text{NDF}$ : 147861858545189924

# dit\_4eY\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1.420+/-0.000  $\chi^2/\text{NDF}$ : 1123290297355296104734656083001344.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.127+/-0.000  $\chi^2/\text{NDF}$ : 573248696950088100327784292810752.0/13

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

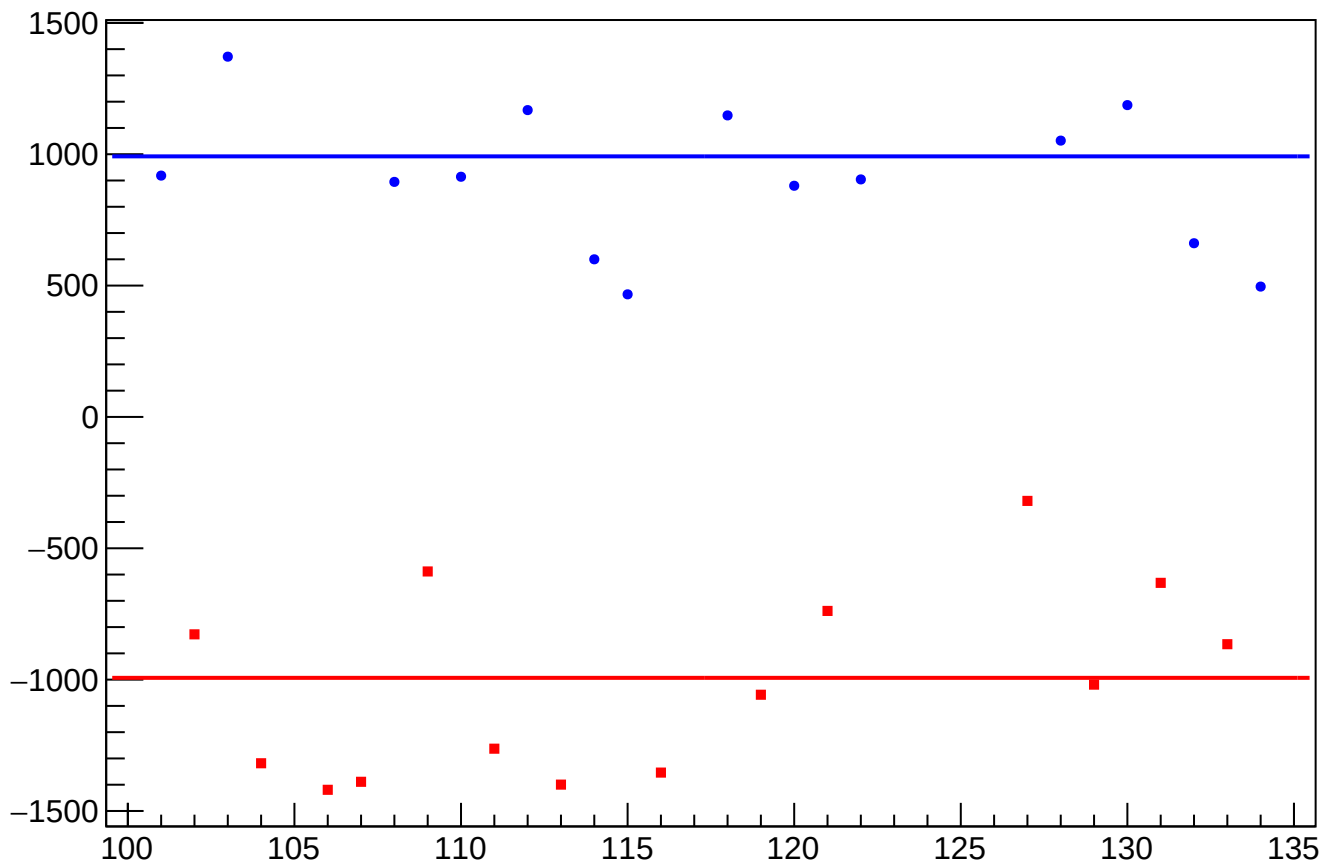
1.420+/-0.000  $\chi^2/\text{NDF}$ : 1123290297355296104734656083001344.0/13

0.104+/-0.000  $\chi^2/\text{NDF}$ : 35784408142909.0/13

-1.127+/-0.000  $\chi^2/\text{NDF}$ : 573248696950088100327784292810752.0/13



dit\_4eY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

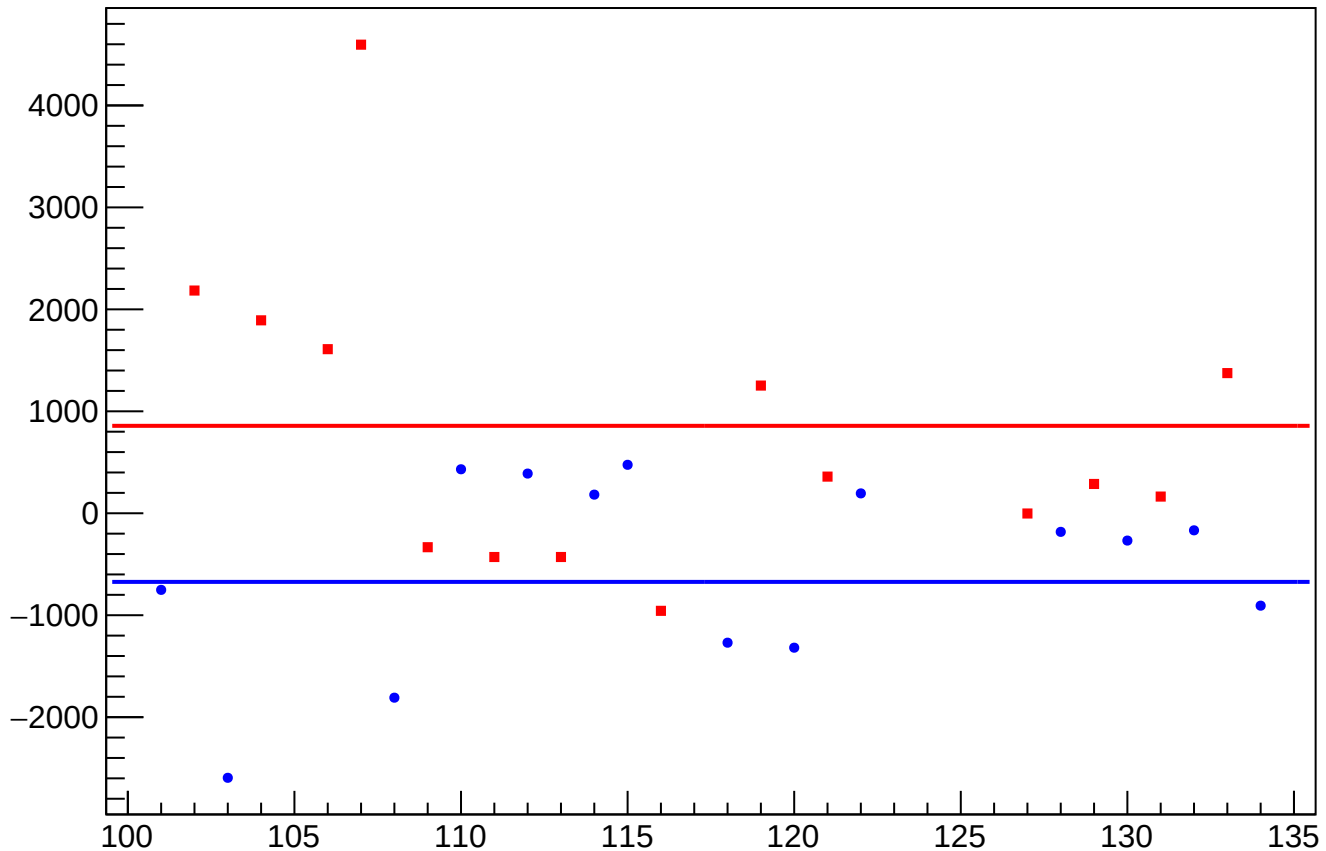
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 6874960936396295

# dit\_usl\_coil6\_mean vs Slug, Sign Corrected



Right In: -673.102+/-0.000  $\chi^2/\text{NDF}$ : 488016744289637659697936525021904109568.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 857.552+/-0.000  $\chi^2/\text{NDF}$ : 1077290399586066271528650128666019233792.0/13

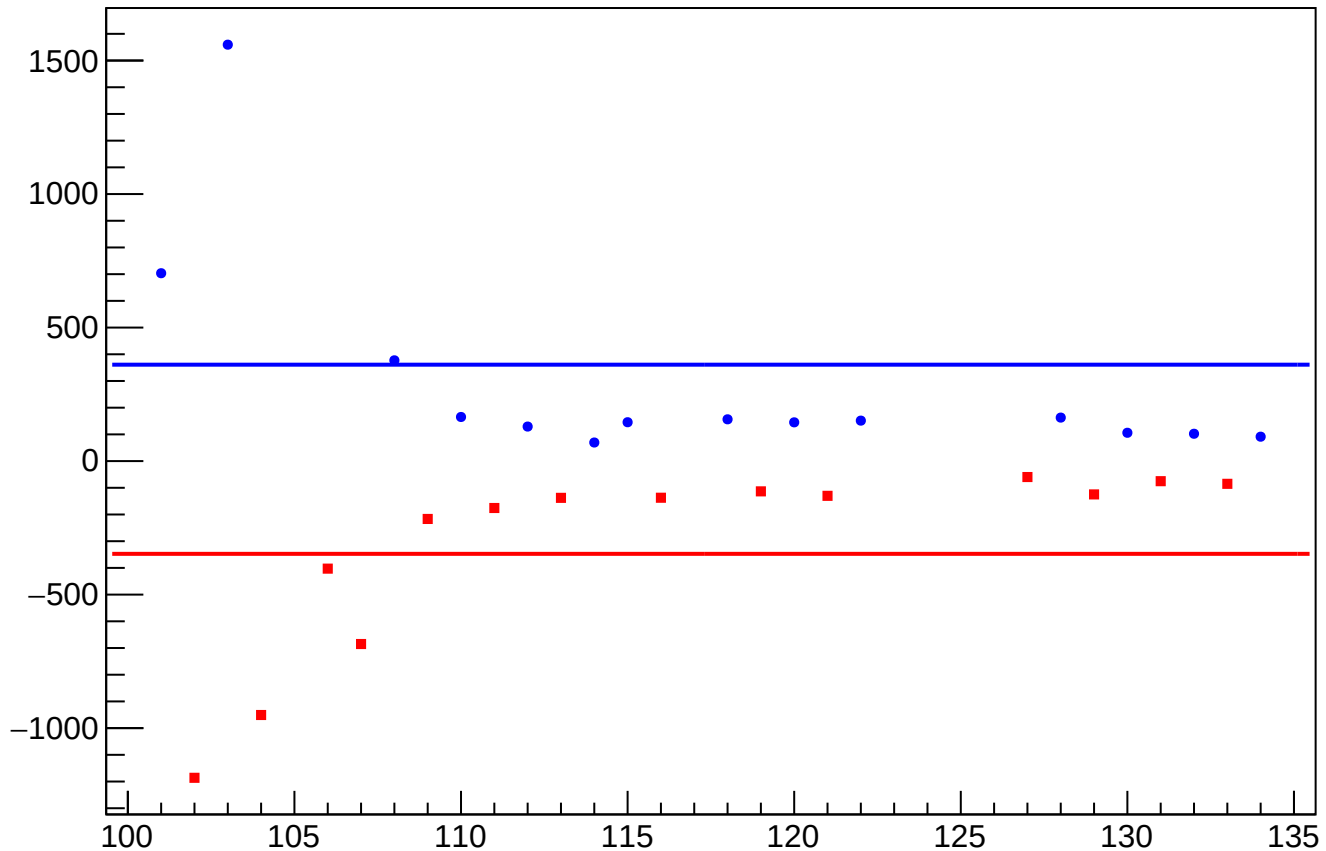
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-673.102+/-0.000  $\chi^2/\text{NDF}$ : 4880167442896376

117.934+/-0.000  $\chi^2/\text{NDF}$ : 224456769946

857.552+/-0.000  $\chi^2/\text{NDF}$ : 10772903995860662

# dit\_usl\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 361.035+/-0.000  $\chi^2/\text{NDF}$ : 112646462178118092109181678390932930560.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -347.350+/-0.000  $\chi^2/\text{NDF}$ : 85007797828706212284690032204462424064.0/13

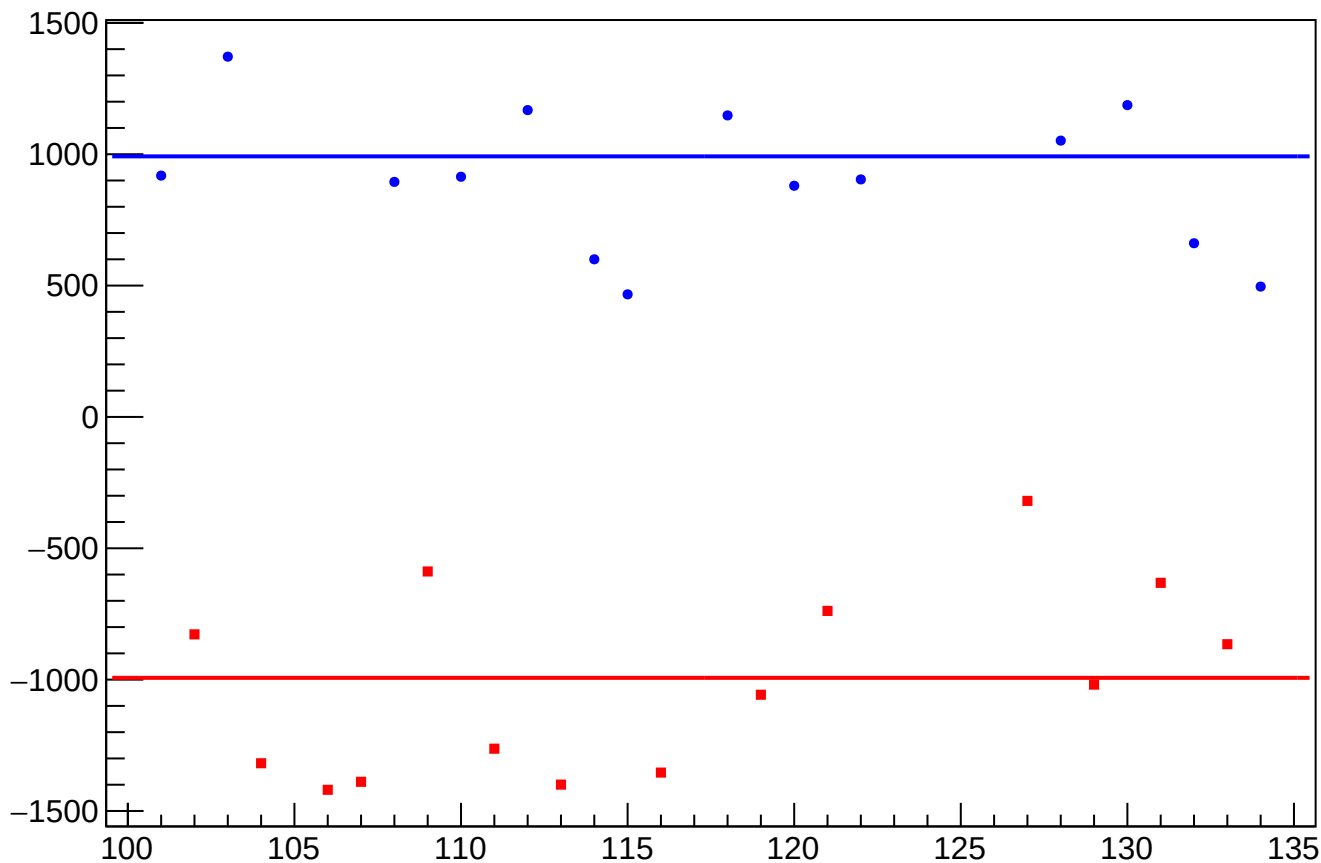
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

361.035+/-0.000  $\chi^2/\text{NDF}$ : 11264646217811809

-5.055+/-0.000  $\chi^2/\text{NDF}$ : 34313990754975

-347.350+/-0.000  $\chi^2/\text{NDF}$ : 8500779782870621

dit\_usl\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

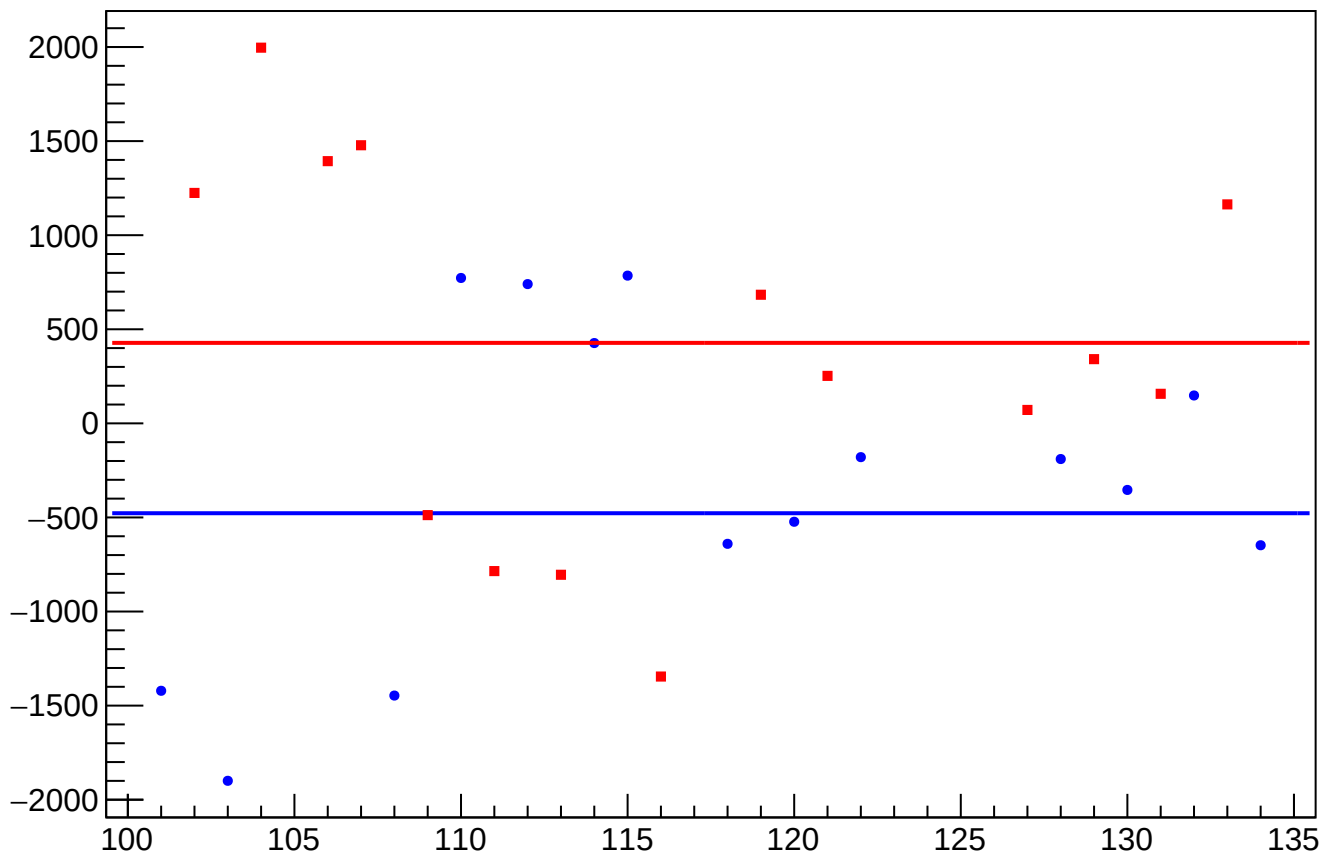
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

# dit\_usr\_coil6\_mean vs Slug, Sign Corrected



Right In: -477.583+/-0.000  $\chi^2/\text{NDF}$ : 391956886289809757443044835665406590976.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 427.723+/-0.000  $\chi^2/\text{NDF}$ : 526489879778238233106596817336384094208.0/13

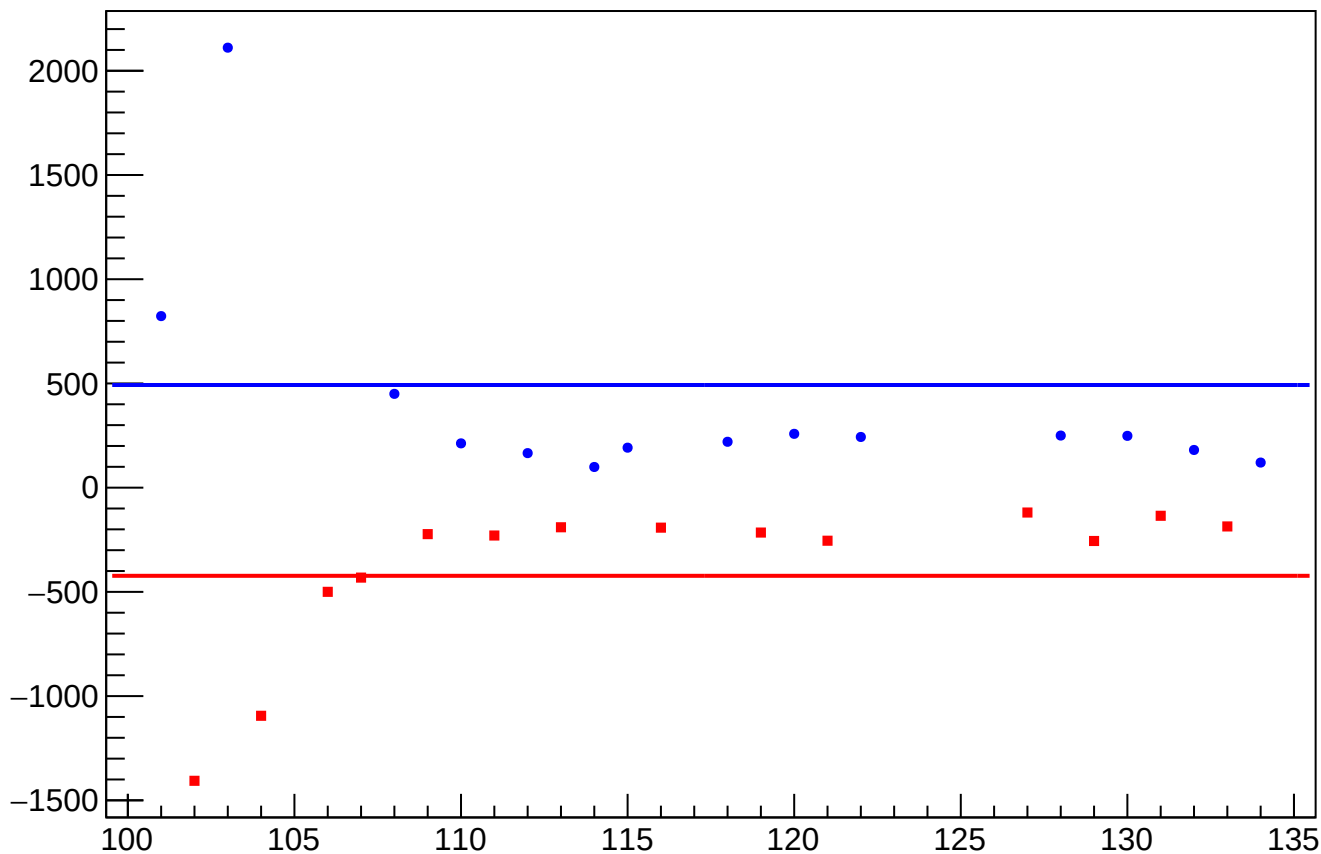
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-477.583+/-0.000  $\chi^2/\text{NDF}$ : 3919568862898097

-9.725+/-0.000  $\chi^2/\text{NDF}$ : 11560610766752

427.723+/-0.000  $\chi^2/\text{NDF}$ : 52648987977823823

dit\_usr\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 492.537+/-0.000  $\chi^2/\text{NDF}$ : 193517019277662771224174418647368859648.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -422.905+/-0.000  $\chi^2/\text{NDF}$ : 100890534575670373361076247822631698432.0/13

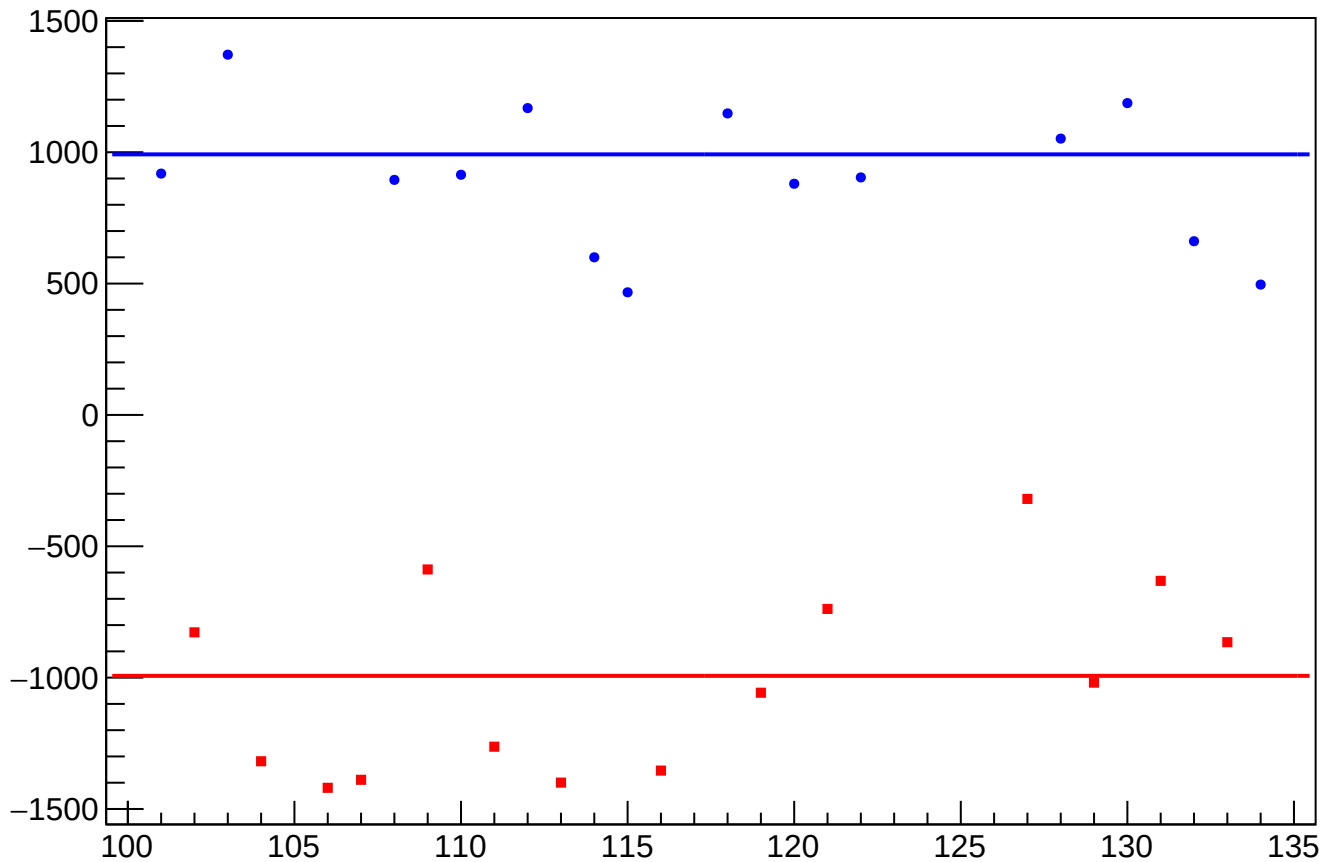
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

492.537+/-0.000  $\chi^2/\text{NDF}$ : 193517019277662771

19.440+/-0.000  $\chi^2/\text{NDF}$ : 5373720858736

-422.905+/-0.000  $\chi^2/\text{NDF}$ : 1008905345756703

dit\_usr\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

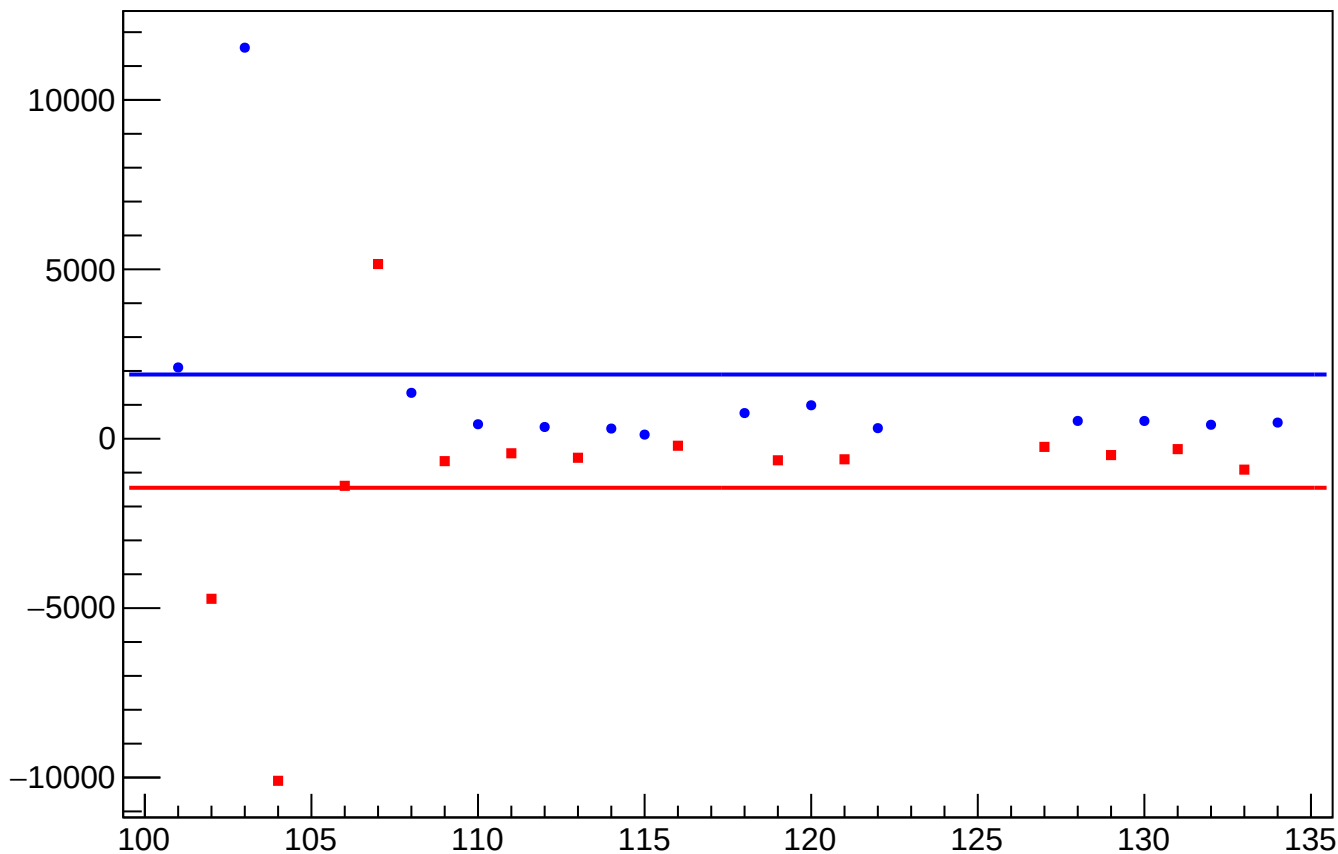
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

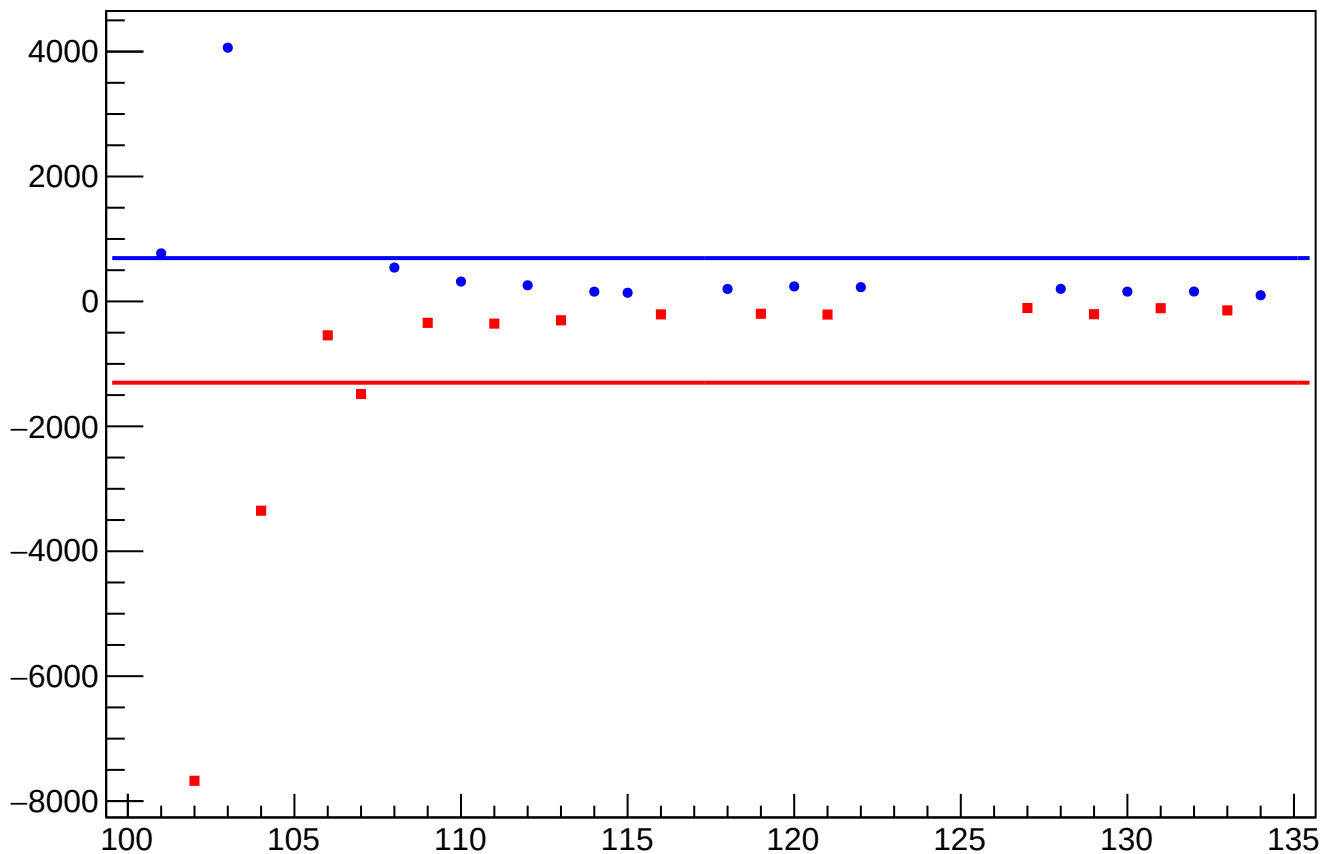
# dit\_atl1\_coil6\_mean vs Slug, Sign Corrected



Right In: 1895.571+/-0.000  $\chi^2/\text{NDF}$ : 6298344240820198683476248779341258817536.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -1447.558+/-0.000  $\chi^2/\text{NDF}$ : 6386360965527051840940693953632651968512.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_atl1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 693.368+/-0.000  $\chi^2/\text{NDF}$ : 768452856680849560847175547996377972736.0/13

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ :0.0/0

Right Out: -1300.972+/-0.000  $\chi^2/\text{NDF}$ : 3086142950320433815805514963271970455552.0/13

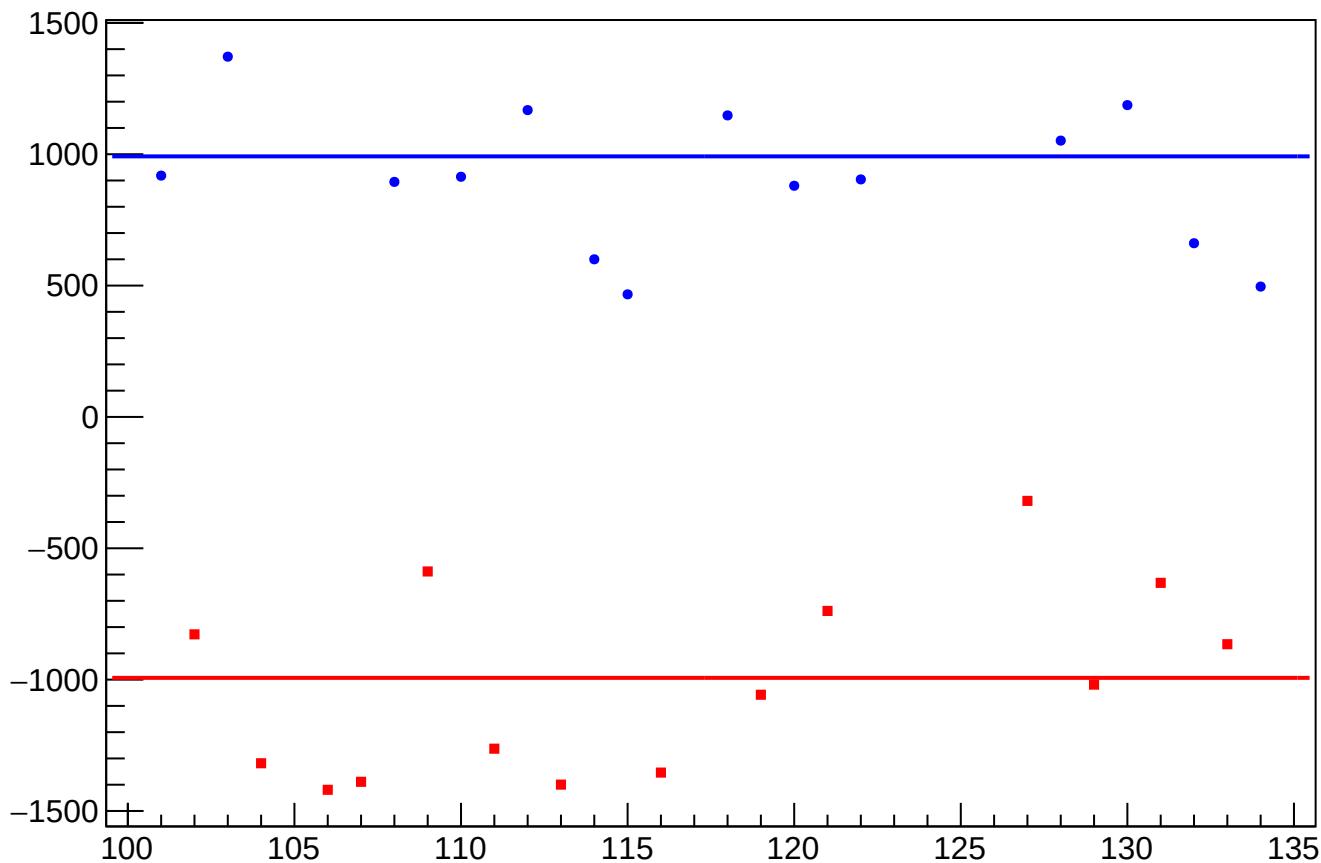
Left In: 0.000+/-0.000      $\chi^2/\text{NDF}$ :0.0/0

693.368+/-0.000  $\chi^2/\text{NDF}$ : 76845285668084956

-337.299+/-0.000     $\chi^2/\text{NDF}$ : 500773129735

-1300.972+/-0.000  $\chi^2/\text{NDF}$ : 308614295032043

dit\_atl1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

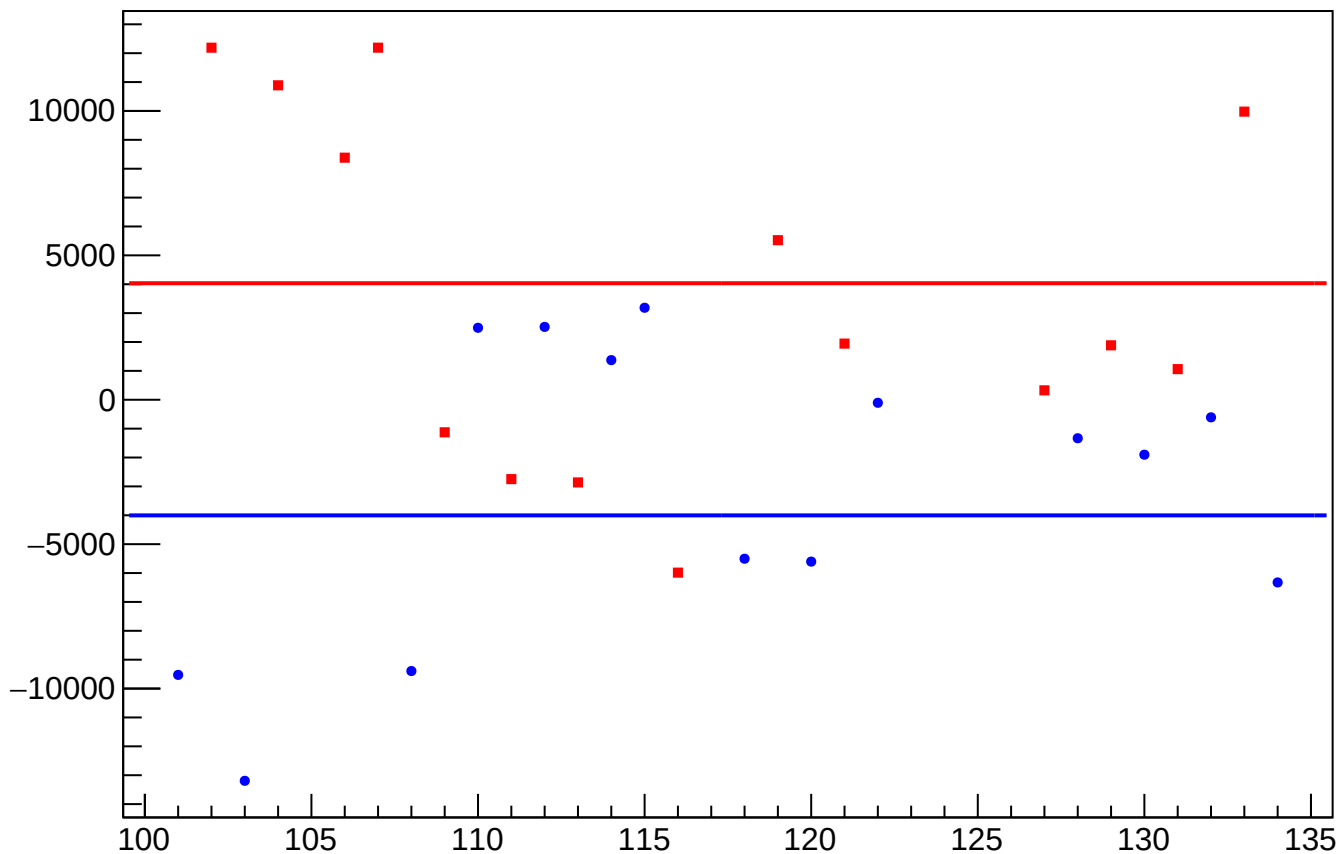
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 6874960936396295

# dit\_atl2\_coil6\_mean vs Slug, Sign Corrected



Right In: -4003.418+/-0.000  $\chi^2/\text{NDF}$ : 14482665072622453352359573091335725383680.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4034.933+/-0.000  $\chi^2/\text{NDF}$ : 20340763180093388157655456032282608926720.0/13

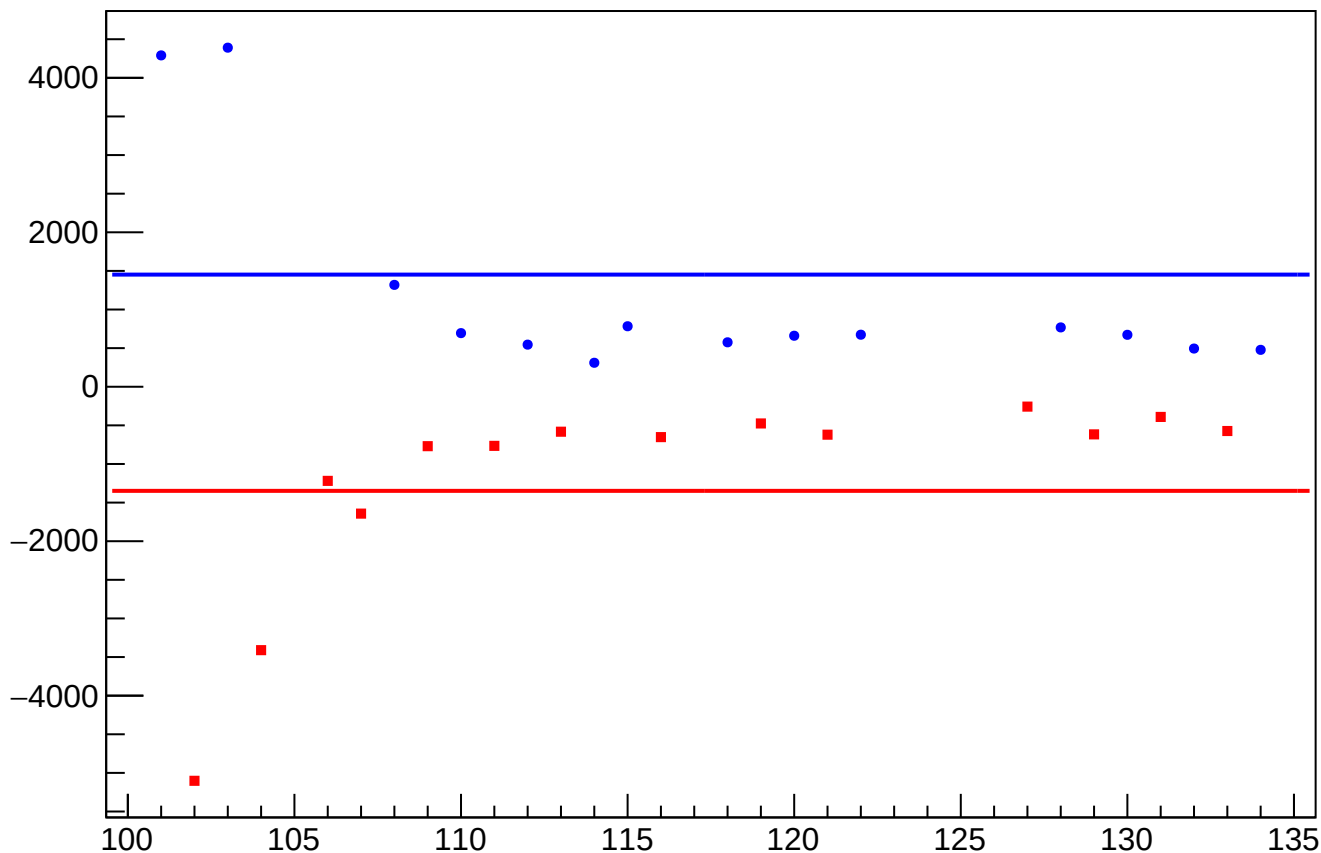
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4003.418+/-0.000  $\chi^2/\text{NDF}$ : 144826650726224

150.769+/-0.000  $\chi^2/\text{NDF}$ : 535567949220

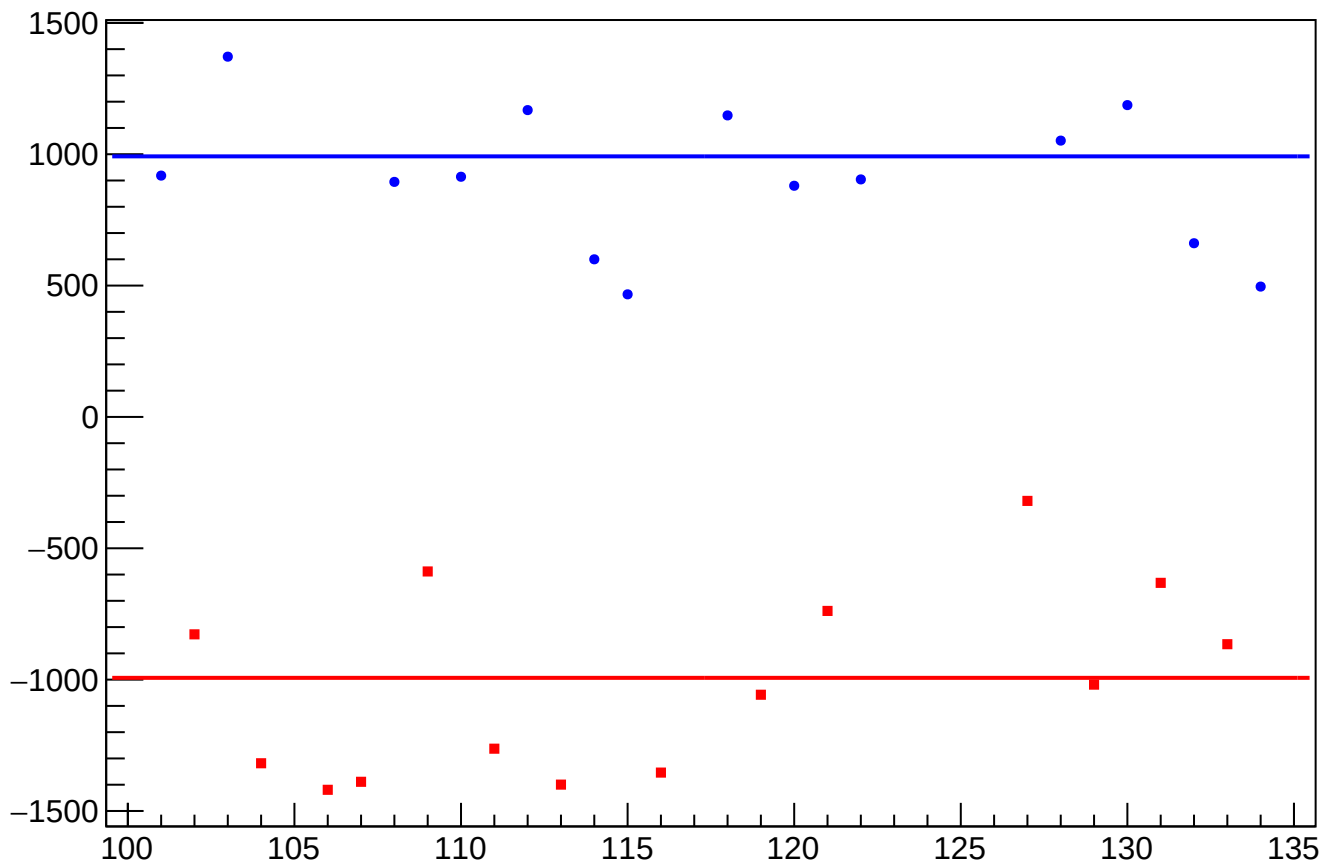
4034.933+/-0.000  $\chi^2/\text{NDF}$ : 2034076318009338

dit\_atl2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1452.166+/-0.000  $\chi^2/\text{NDF}$ : 1268461929102685434659873551698353979392.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -1348.065+/-0.000  $\chi^2/\text{NDF}$ : 1304263590551359857184305537238047916032.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

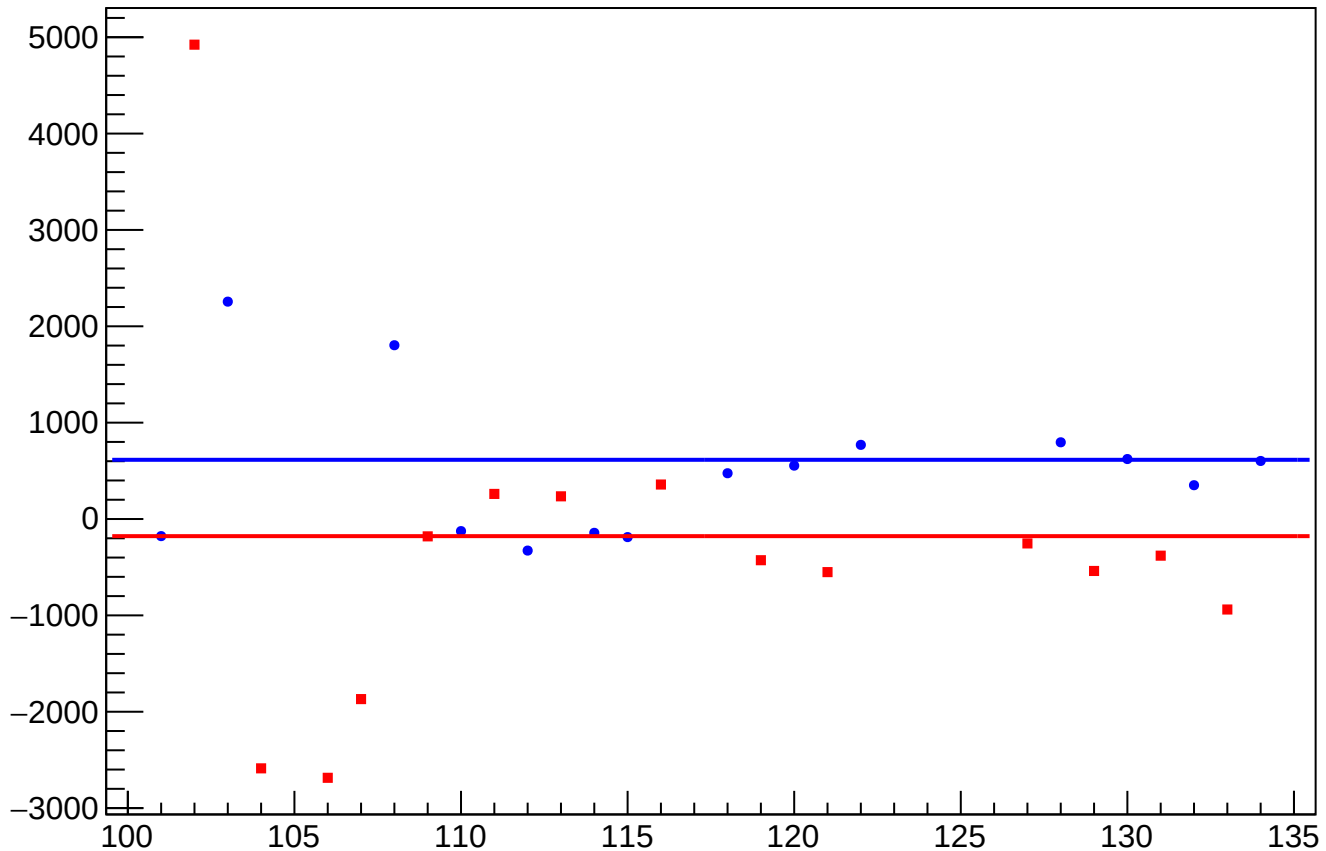
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

# dit\_atr1\_coil6\_mean vs Slug, Sign Corrected



Right In: 614.528+/-0.000  $\chi^2/\text{NDF}$ : 334523293296174526595517331806942658560.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -177.752+/-0.000  $\chi^2/\text{NDF}$ : 2167491907915157941181395491771086012416.0/13

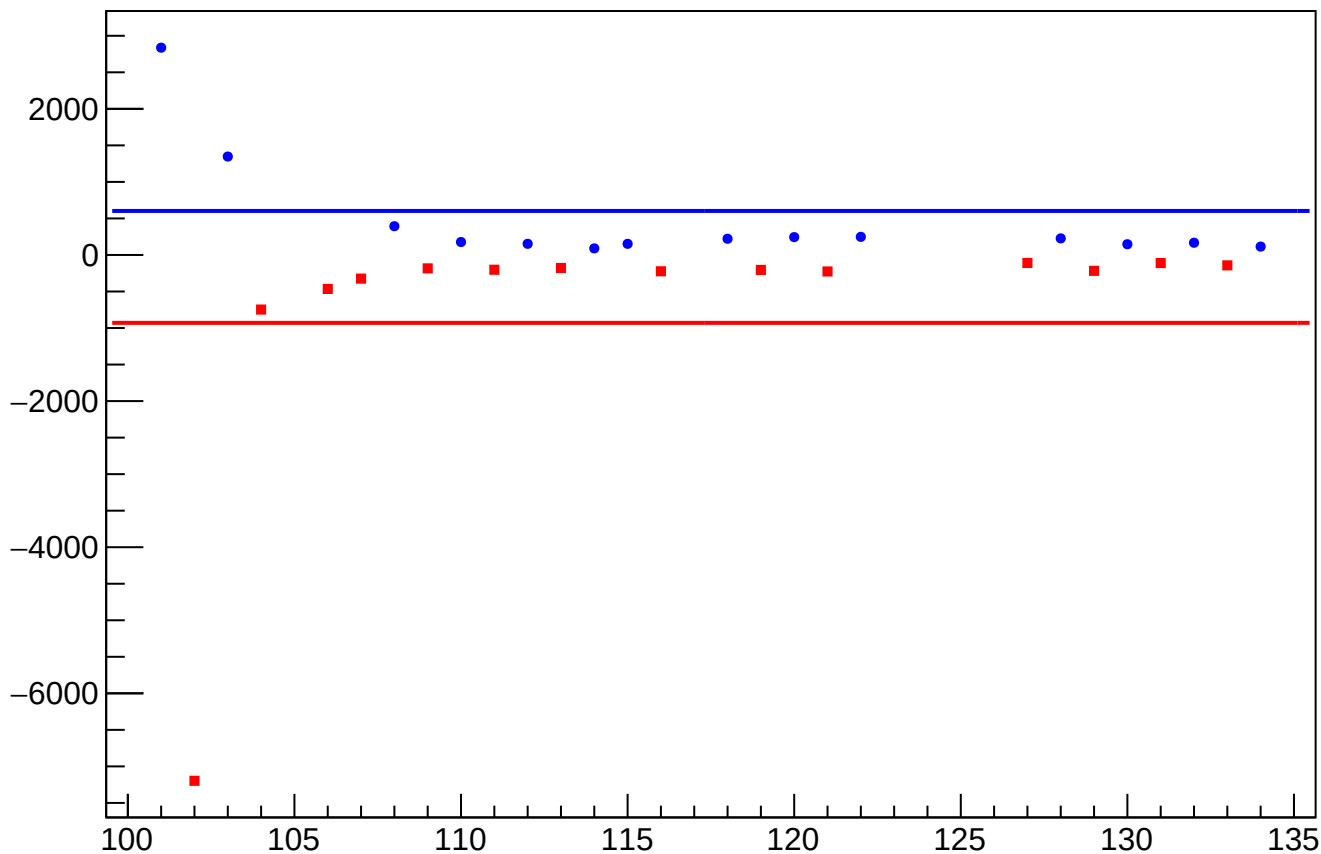
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

614.528+/-0.000  $\chi^2/\text{NDF}$ : 334523293296174526595517331806942658560.0/13

205.081+/-0.000  $\chi^2/\text{NDF}$ : 268400175796

-177.752+/-0.000  $\chi^2/\text{NDF}$ : 2167491907915157941181395491771086012416.0/13

dit\_atr1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 602.479+/-0.000  $\chi^2/\text{NDF}$ : 399408925008589295102592447083744067584.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -929.088+/-0.000  $\chi^2/\text{NDF}$ : 2539677304153371120792630173393401937920.0/13

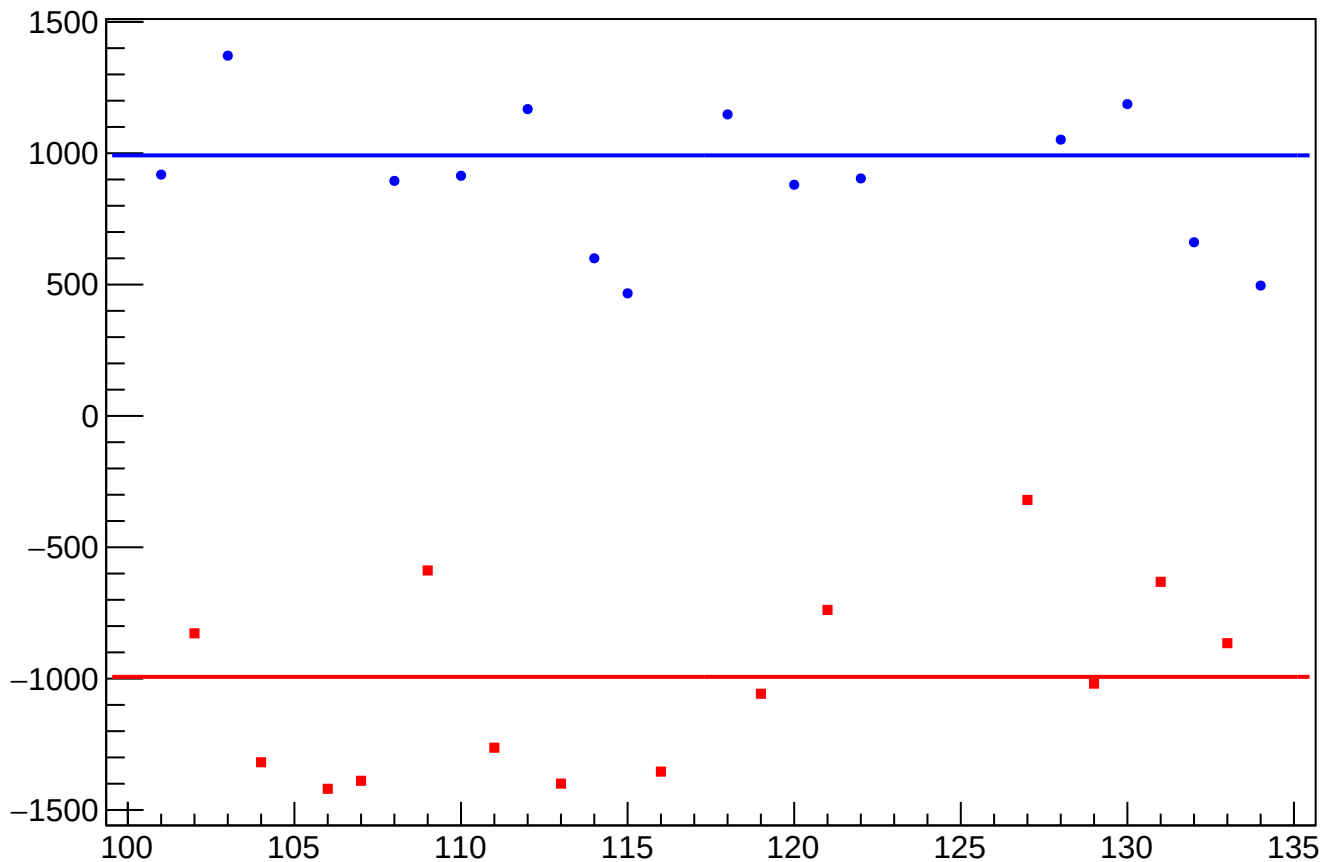
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

602.479+/-0.000  $\chi^2/\text{NDF}$ : 399408925008589295102592447083744067584.0/13

-189.029+/-0.000  $\chi^2/\text{NDF}$ : 36191571105.0/13

-929.088+/-0.000  $\chi^2/\text{NDF}$ : 2539677304153371120792630173393401937920.0/13

dit\_atr1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

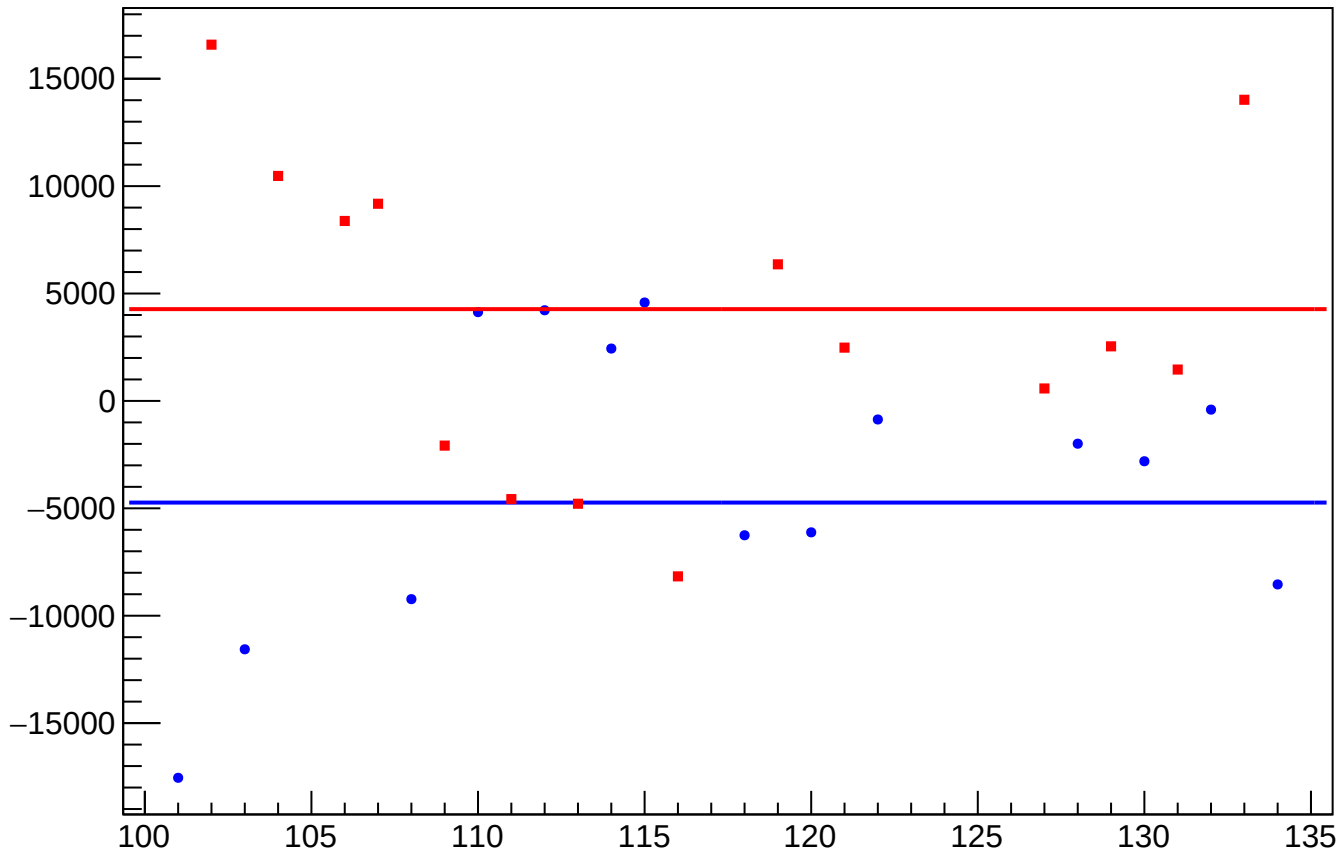
991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13



# dit\_atr2\_coil6\_mean vs Slug, Sign Corrected



Right In: -4732.743+/-0.000  $\chi^2/\text{NDF}$ : 24083166751296707481328109922011127480320.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4273.487+/-0.000  $\chi^2/\text{NDF}$ : 30893955195713527906687774013573728043008.0/13

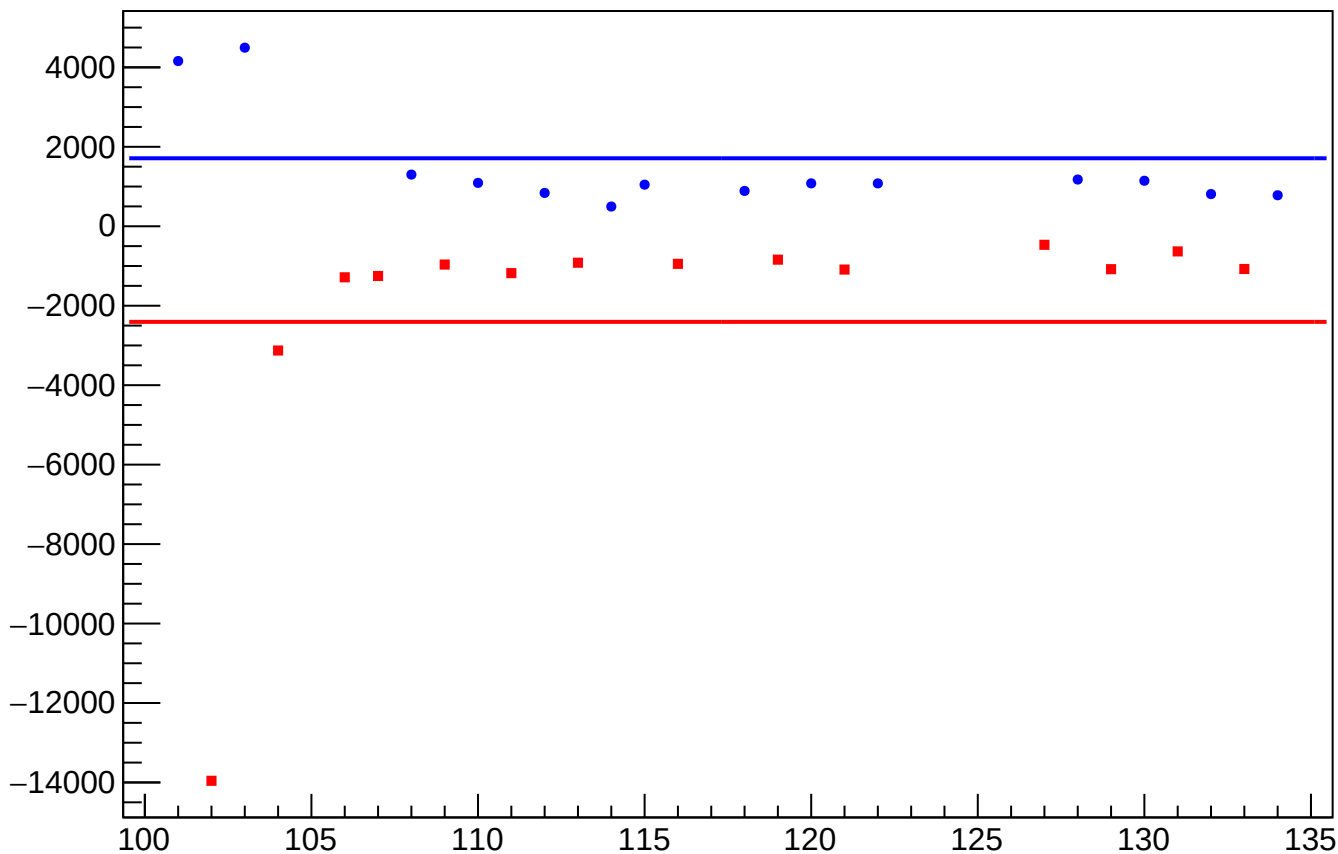
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4732.743+/-0.000  $\chi^2/\text{NDF}$ : 240831667512967

-78.361+/-0.000  $\chi^2/\text{NDF}$ : 784933657819

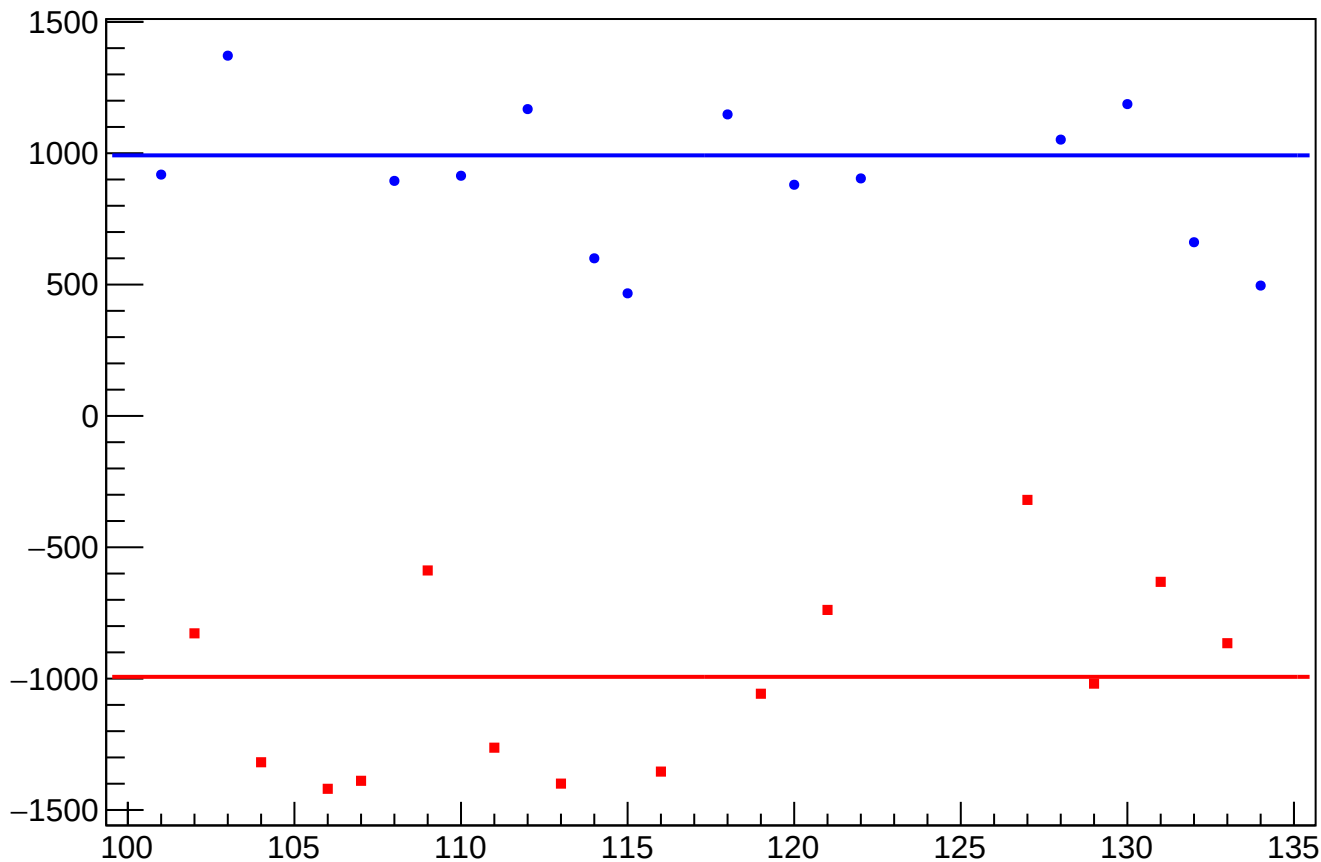
4273.487+/-0.000  $\chi^2/\text{NDF}$ : 3089395519571352

dit\_atr2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1711.538+/-0.000  $\chi^2/\text{NDF}$ : 1040251814433856324213363377442025111552.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -2406.220+/-0.000  $\chi^2/\text{NDF}$ : 8809827366701131838634979833319830585344.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

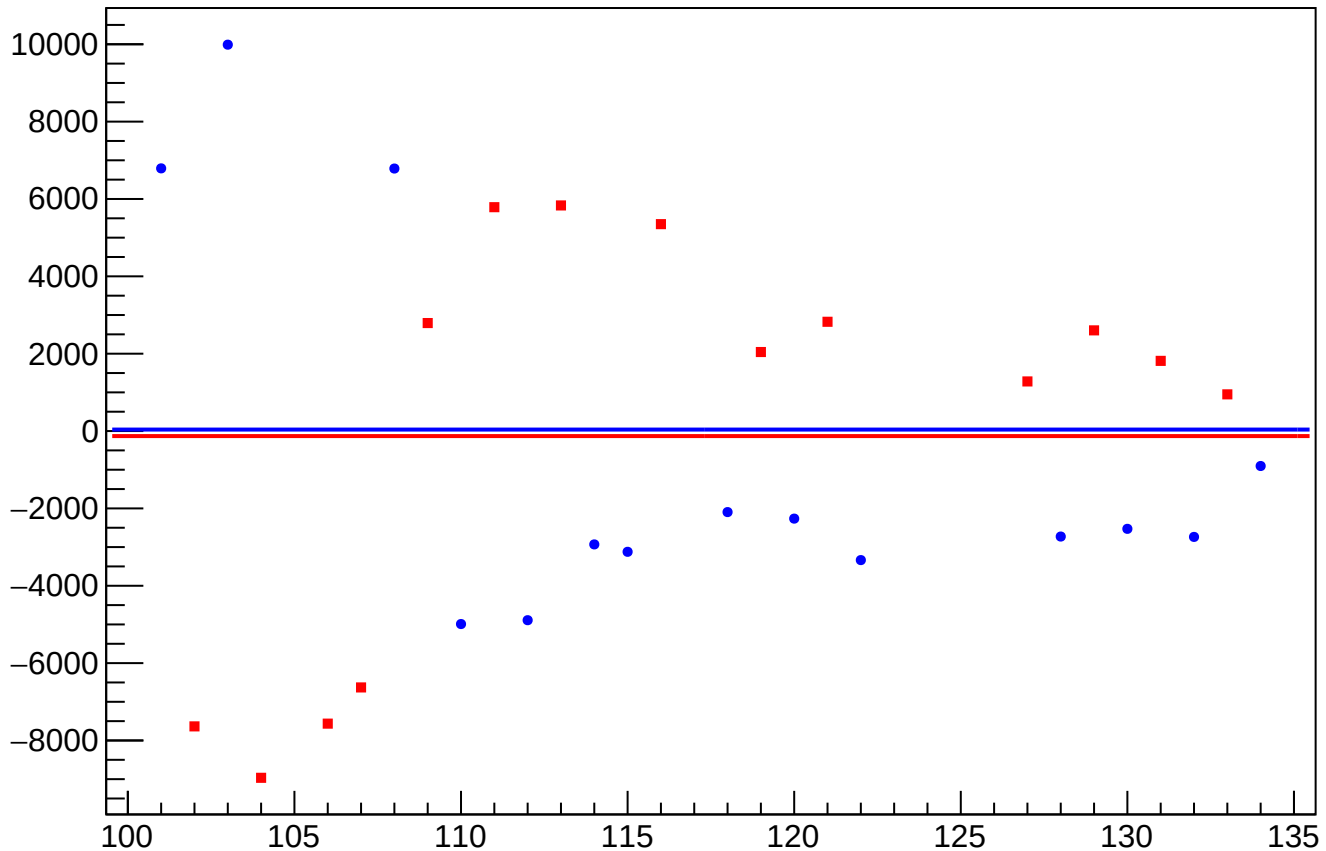
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 6874960936396295

# dit\_sam1\_coil6\_mean vs Slug, Sign Corrected



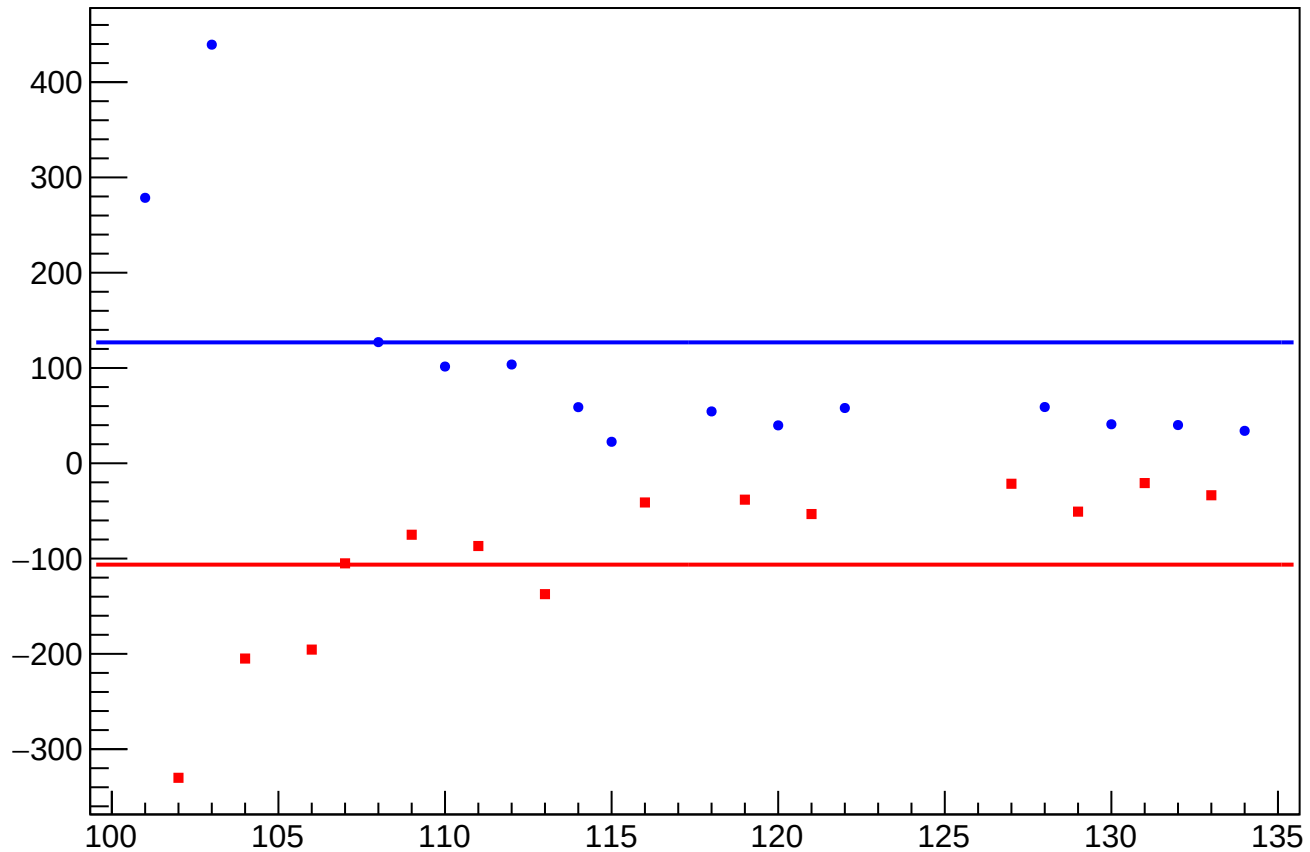
Right In: 38.355+/-0.000  $\chi^2/\text{NDF}$ : 14566904486415695489975575177130653253632.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -130.109+/-0.000  $\chi^2/\text{NDF}$ : 16054142350236362870644956199363614343168.0/13

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam1\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 126.879+/-0.000  $\chi^2/\text{NDF}$ : 9207899452660208088790538999656611840.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -106.367+/-0.000  $\chi^2/\text{NDF}$ : 5164007347224397495189200842753310720.0/13

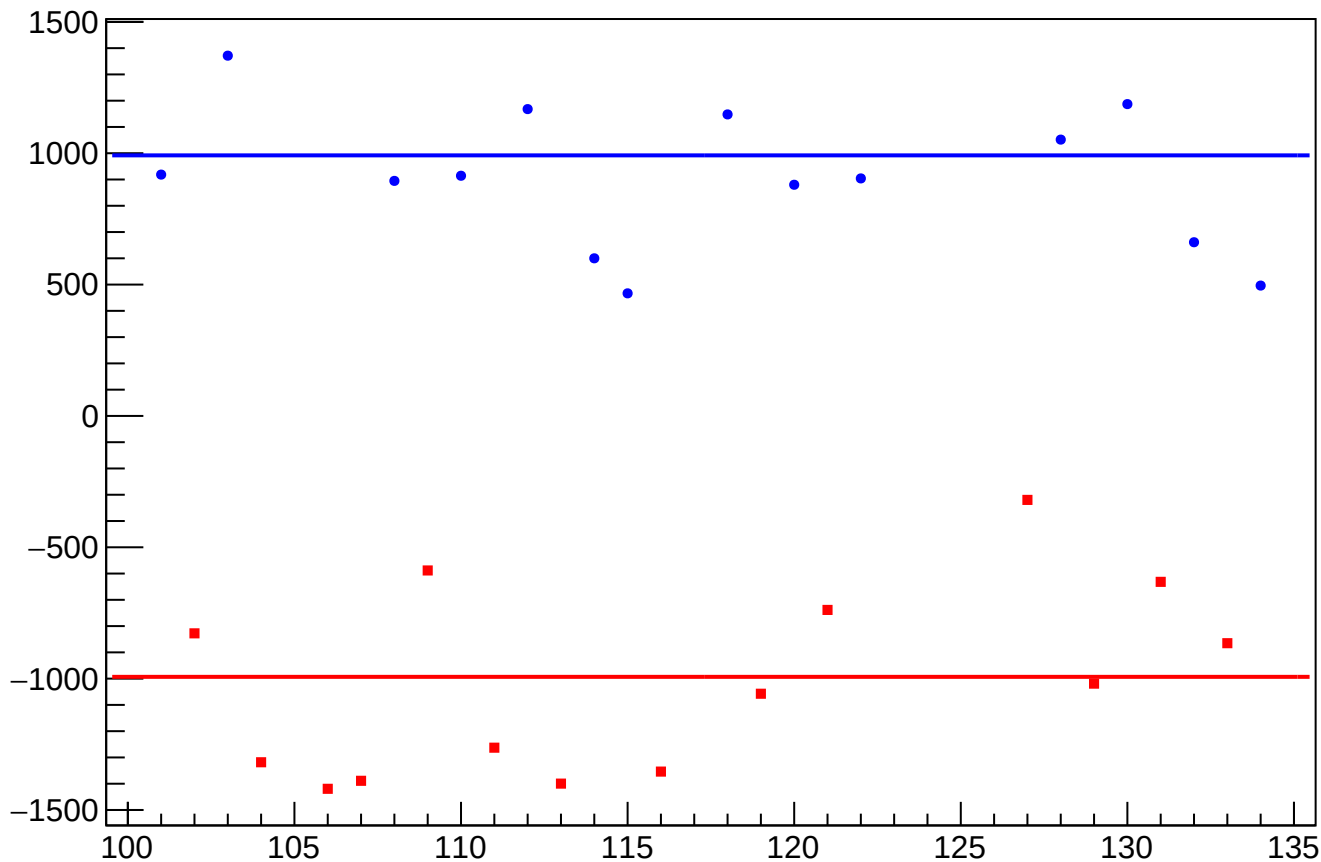
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

126.879+/-0.000  $\chi^2/\text{NDF}$ : 9207899452660208088790538999656611840.0/13

6.338+/-0.000  $\chi^2/\text{NDF}$ : 30144846312845

-106.367+/-0.000  $\chi^2/\text{NDF}$ : 5164007347224397495189200842753310720.0/13

dit\_sam1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

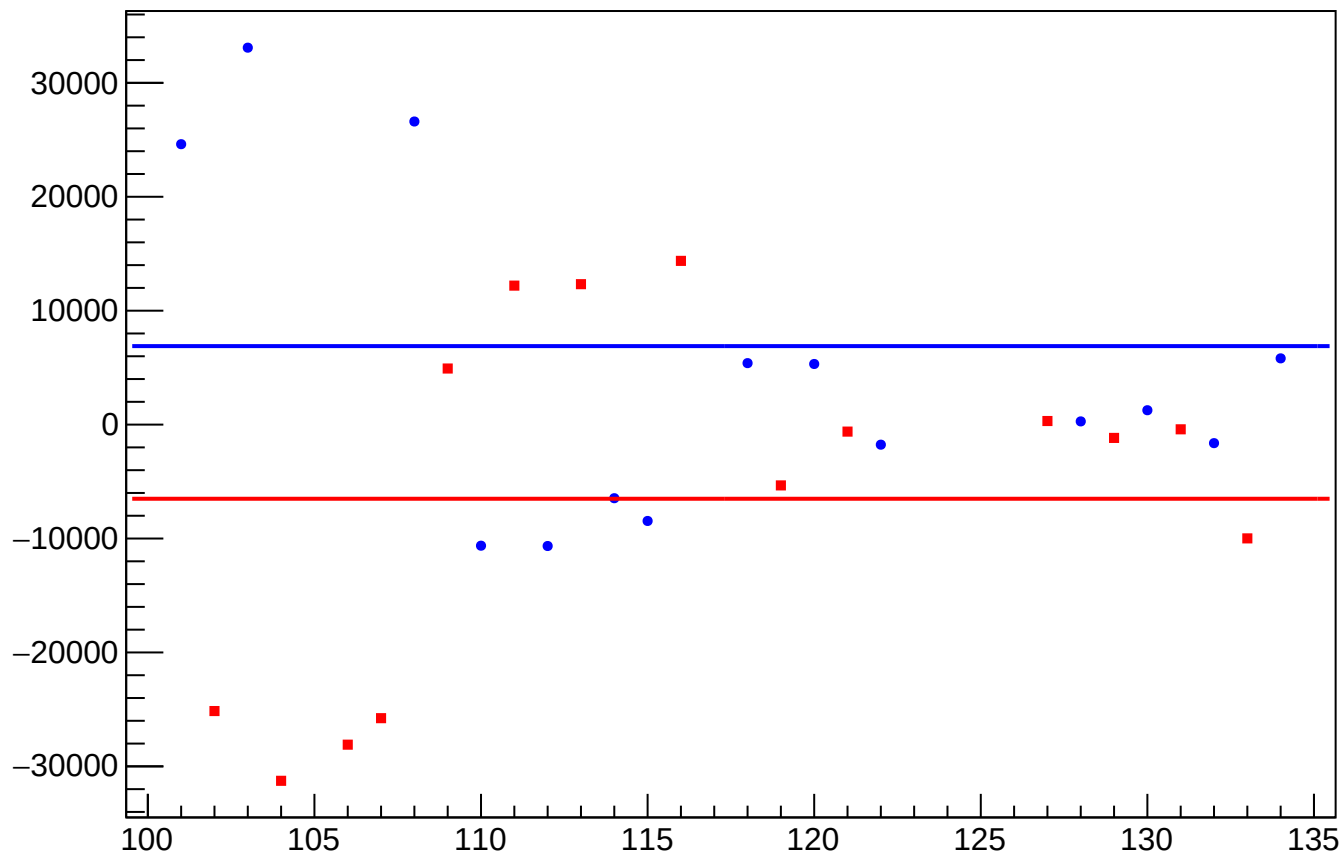
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

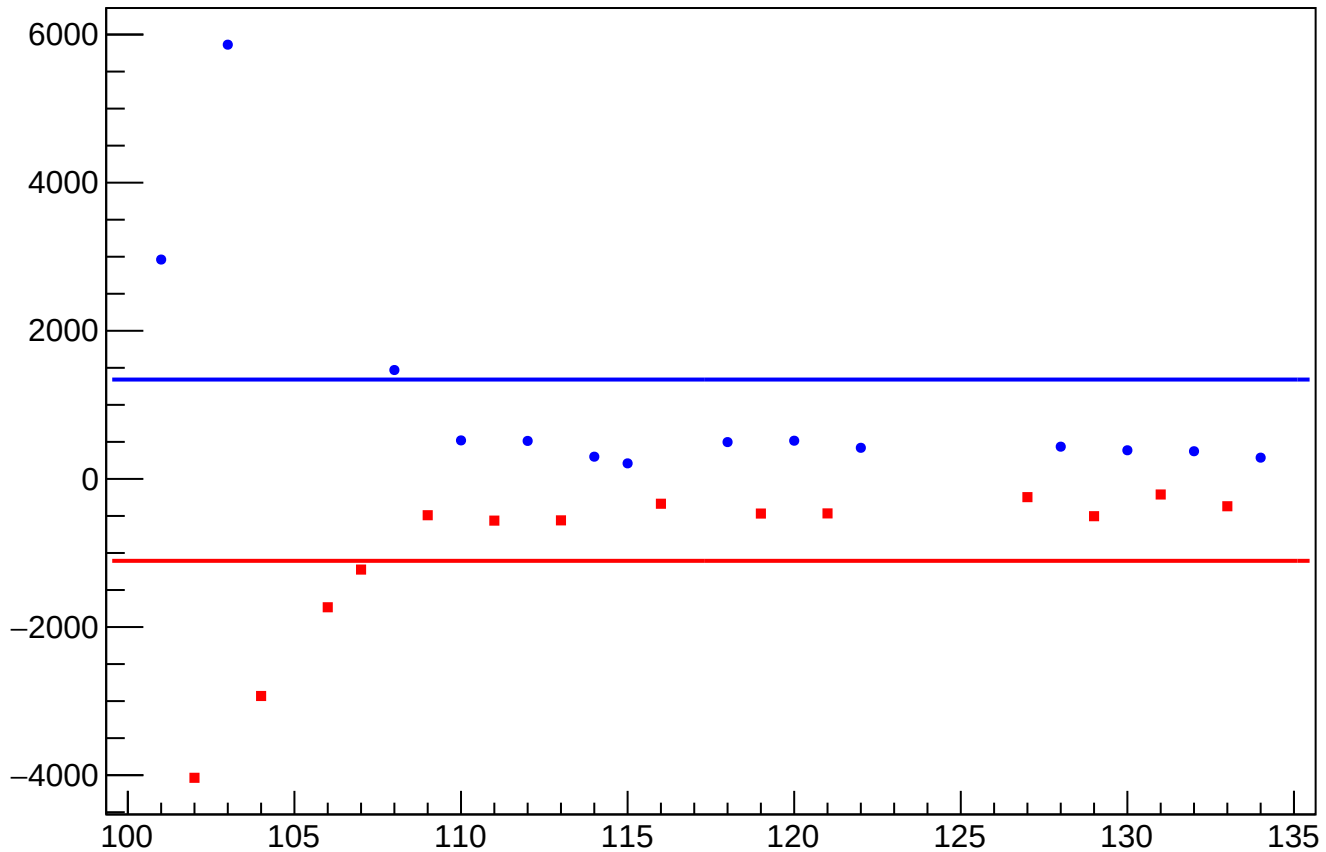
-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

# dit\_sam2\_coil6\_mean vs Slug, Sign Corrected



Right In: 6890.895+/-0.000  $\chi^2/\text{NDF}$ : 115143370497081023868511709864725363818496.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -6508.444+/-0.000  $\chi^2/\text{NDF}$ : 135492520183300841921282509401753498157056.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

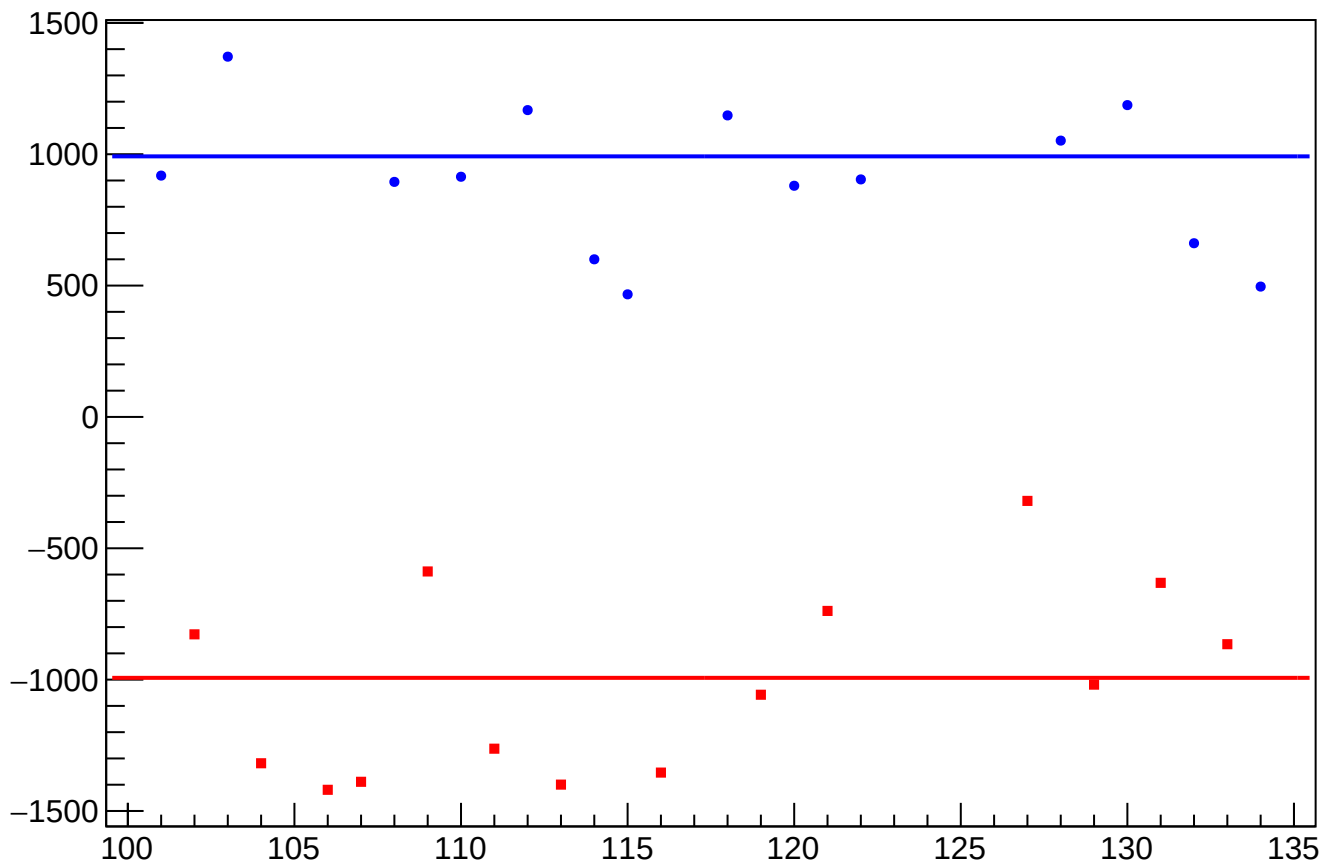
# dit\_sam2\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 1341.641+/-0.000  $\chi^2/\text{NDF}$ : 1697324893832905878676744724647575027712.0/13  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -1106.072+/-0.000  $\chi^2/\text{NDF}$ : 879866338631626818822165409030870138880.0/13  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_sam2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

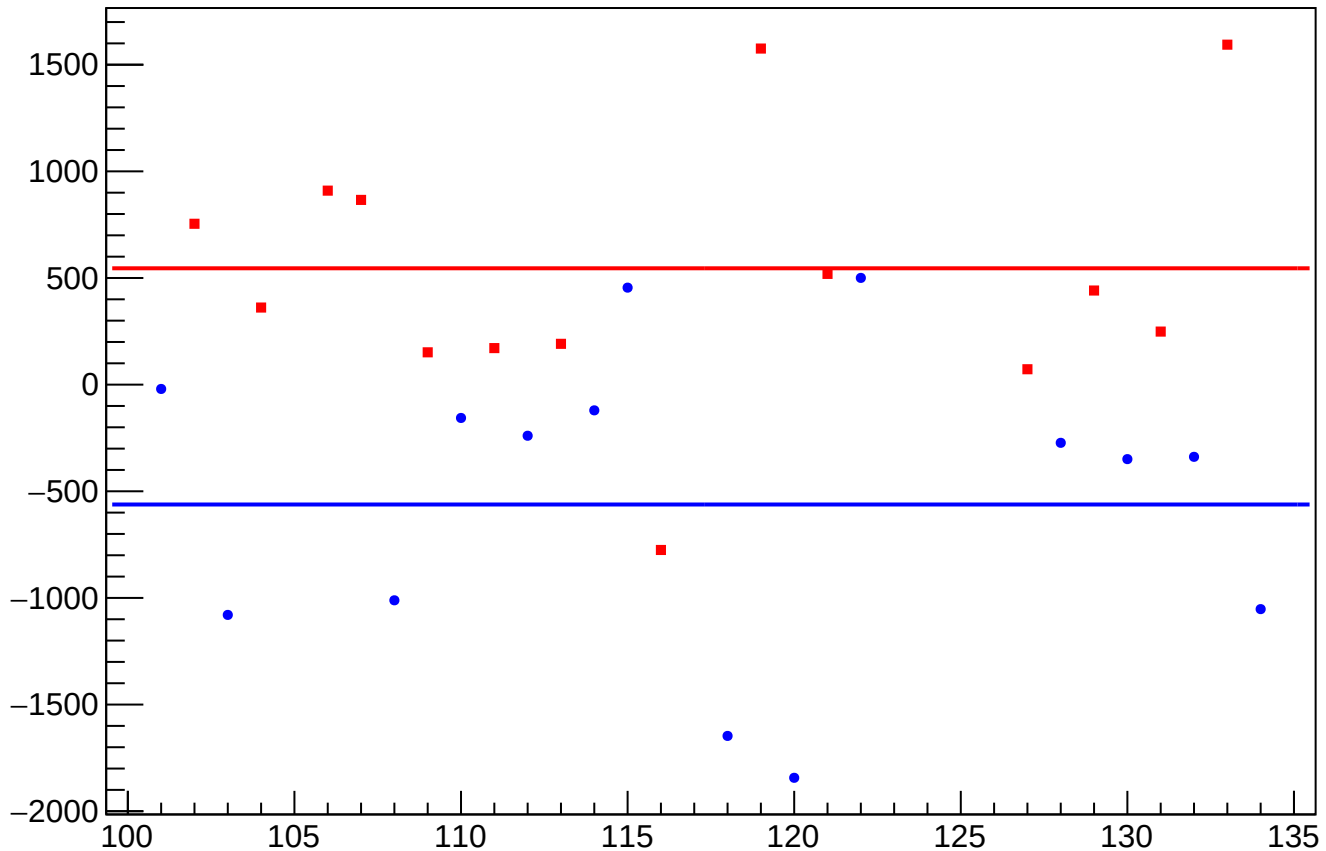
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

# dit\_sam3\_coil6\_mean vs Slug, Sign Corrected



Right In: -561.983+/-0.000  $\chi^2/\text{NDF}$ : 245424563908500000983283197877793325056.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 545.476+/-0.000  $\chi^2/\text{NDF}$ : 193182860804766949632195612520734523392.0/13

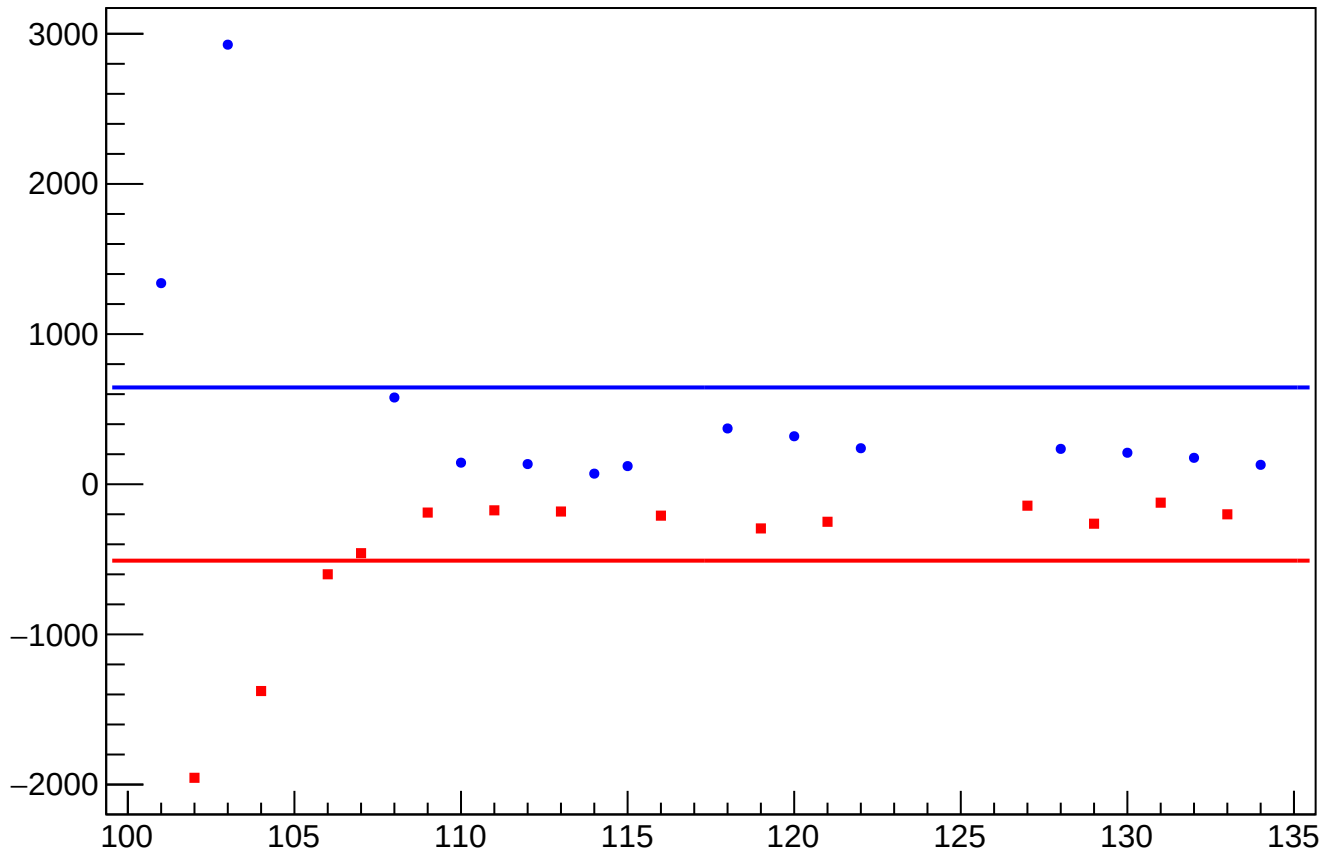
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-561.983+/-0.000  $\chi^2/\text{NDF}$ : 2454245639085000

10.347+/-0.000  $\chi^2/\text{NDF}$ : 7941875591258

545.476+/-0.000  $\chi^2/\text{NDF}$ : 19318286080476694

# dit\_sam3\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 644.705+/-0.000  $\chi^2/\text{NDF}$ : 412879908451383102204541902269987160064.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -508.842+/-0.000  $\chi^2/\text{NDF}$ : 200604352886936367355106745421215563776.0/13

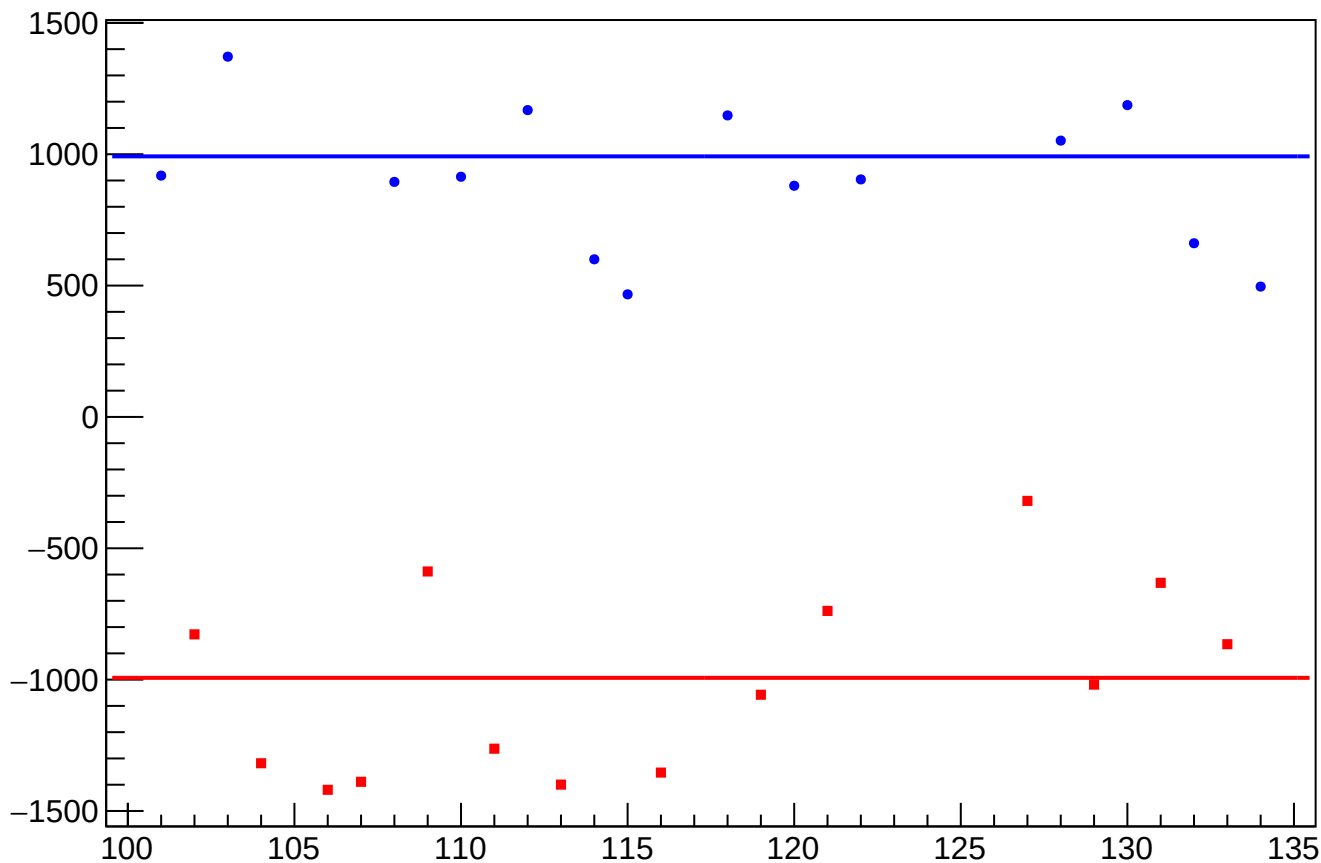
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

644.705+/-0.000  $\chi^2/\text{NDF}$ : 41287990845138310

48.556+/-0.000  $\chi^2/\text{NDF}$ : 9992755042233

-508.842+/-0.000  $\chi^2/\text{NDF}$ : 2006043528869363

dit\_sam3\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

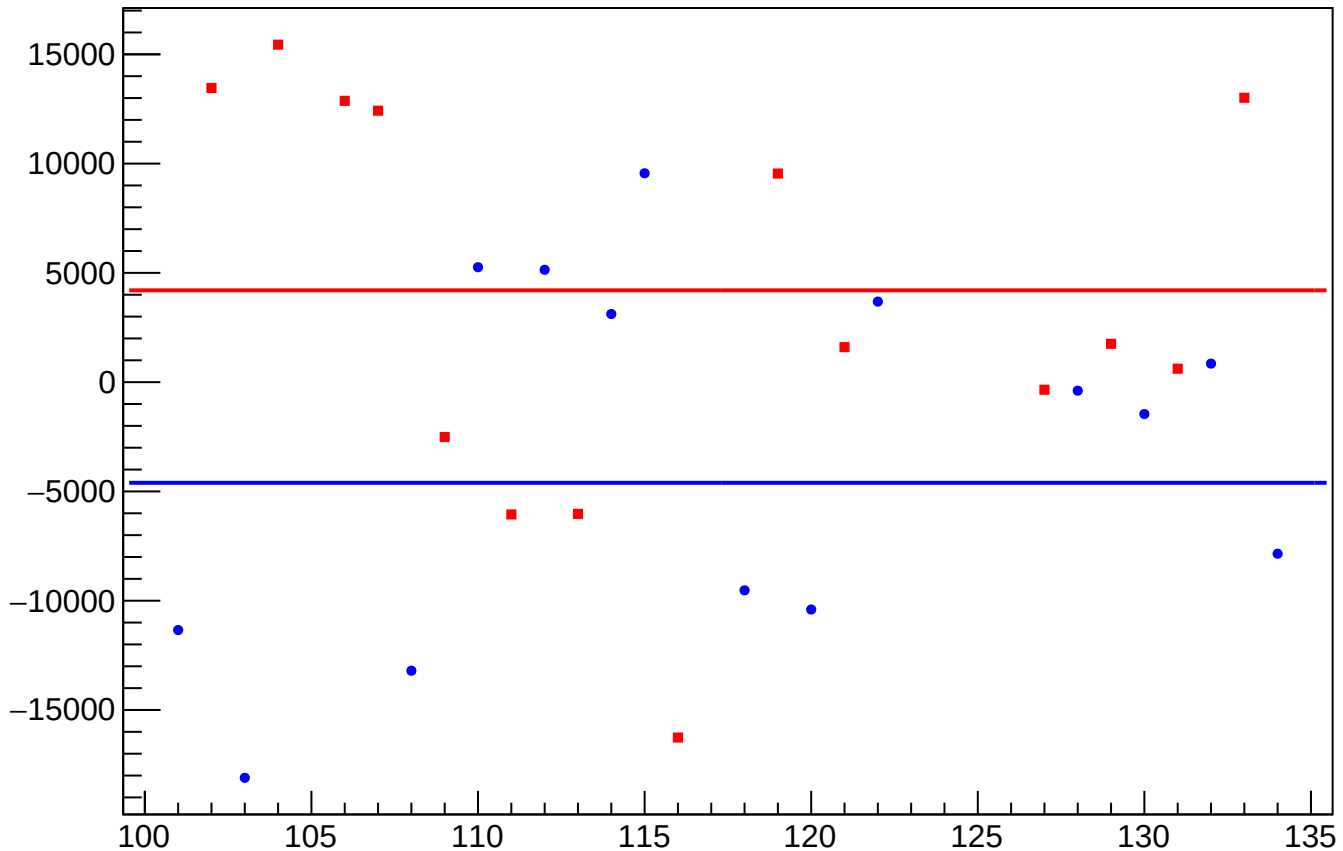
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

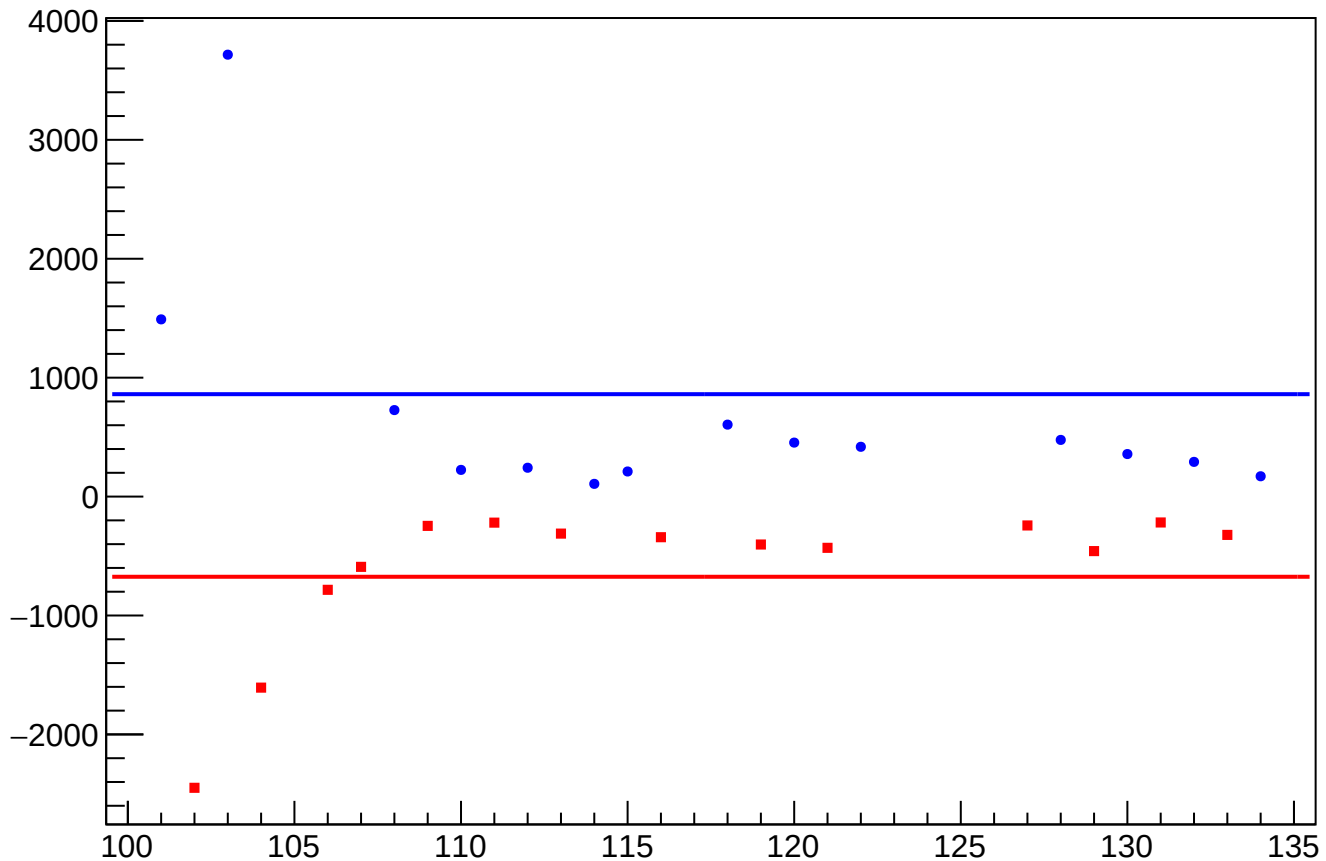
-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

dit\_sam4\_coil6\_mean vs Slug, Sign Corrected



Right In: -4604.807+/-0.000  $\chi^2/\text{NDF}$ : 35661347262341796812719832389339079245824.0/13  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 4200.898+/-0.000  $\chi^2/\text{NDF}$ : 4551708200813811381994546690720057262080.0/13  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 861.115+/-0.000  $\chi^2/\text{NDF}$ : 611759510199778168874374982699516428288.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -674.235+/-0.000  $\chi^2/\text{NDF}$ : 284340055410868946398032400287906398208.0/13

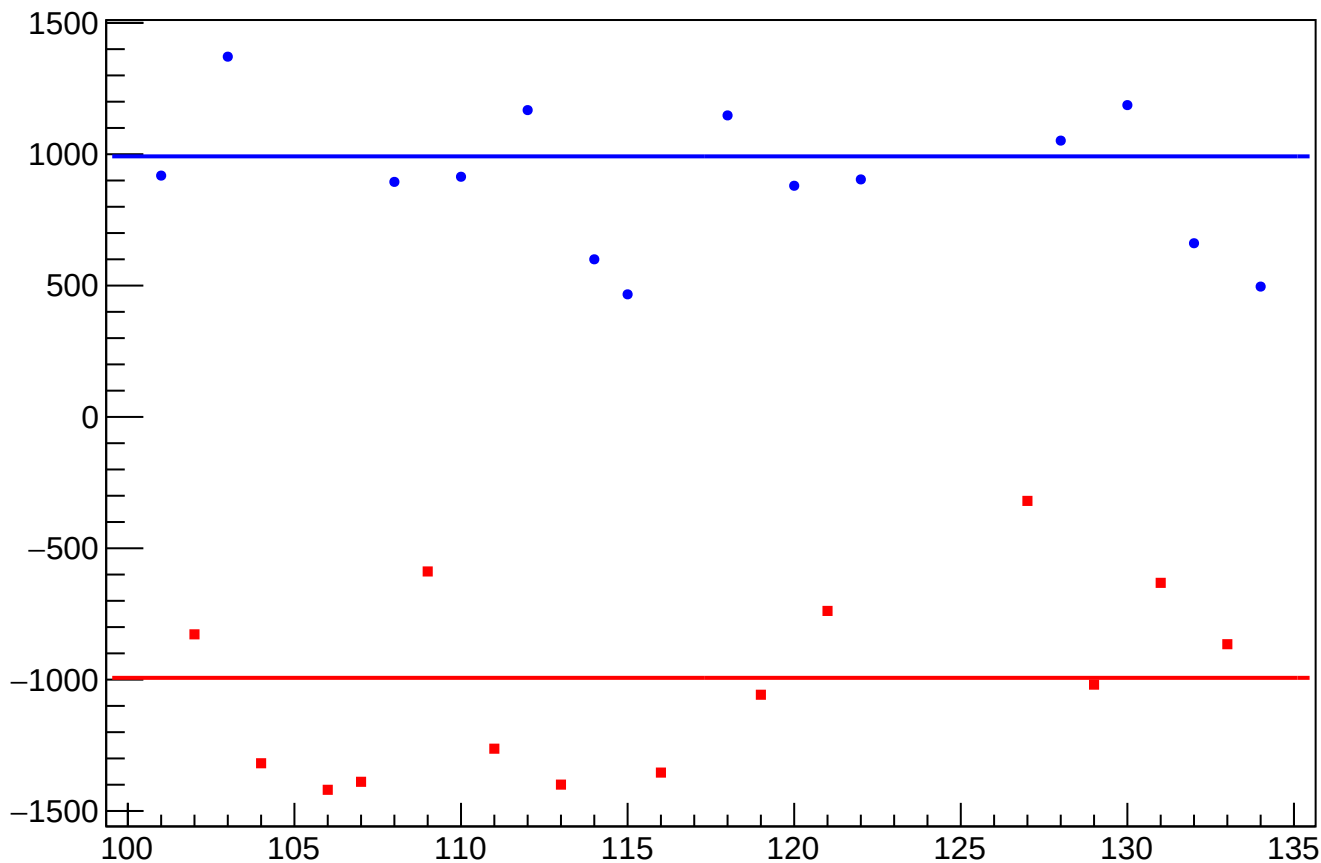
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

861.115+/-0.000  $\chi^2/\text{NDF}$ : 61175951019977816

67.652+/-0.000  $\chi^2/\text{NDF}$ : 1579533971082

-674.235+/-0.000  $\chi^2/\text{NDF}$ : 2843400554108689

dit\_sam4\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

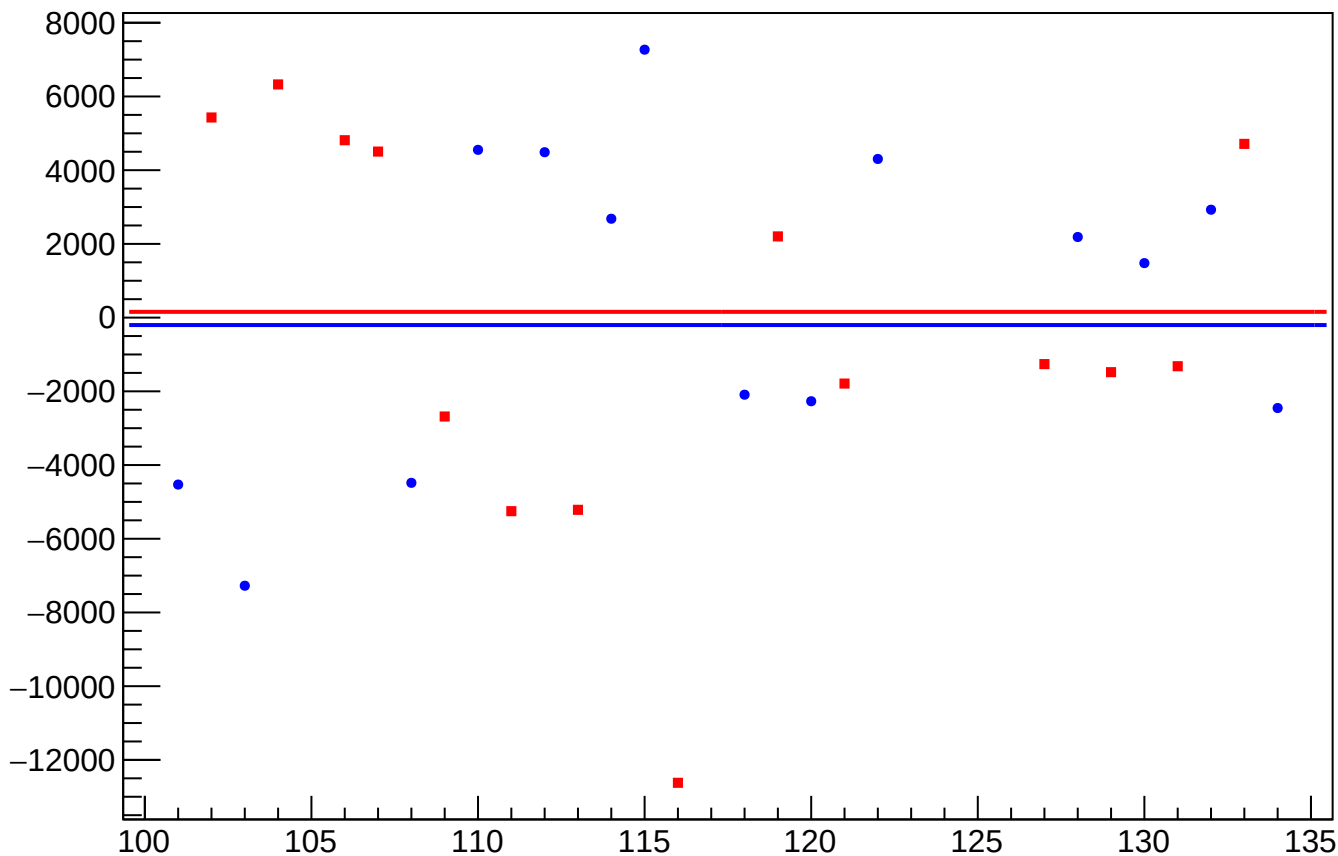
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

dit\_sam5\_coil6\_mean vs Slug, Sign Corrected



Right In: -201.850+/-0.000  $\chi^2/\text{NDF}$ : 9536456231417396644478268500527787540480.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 156.654+/-0.000  $\chi^2/\text{NDF}$ : 13718245672048950891842232099571574505472.0/13

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

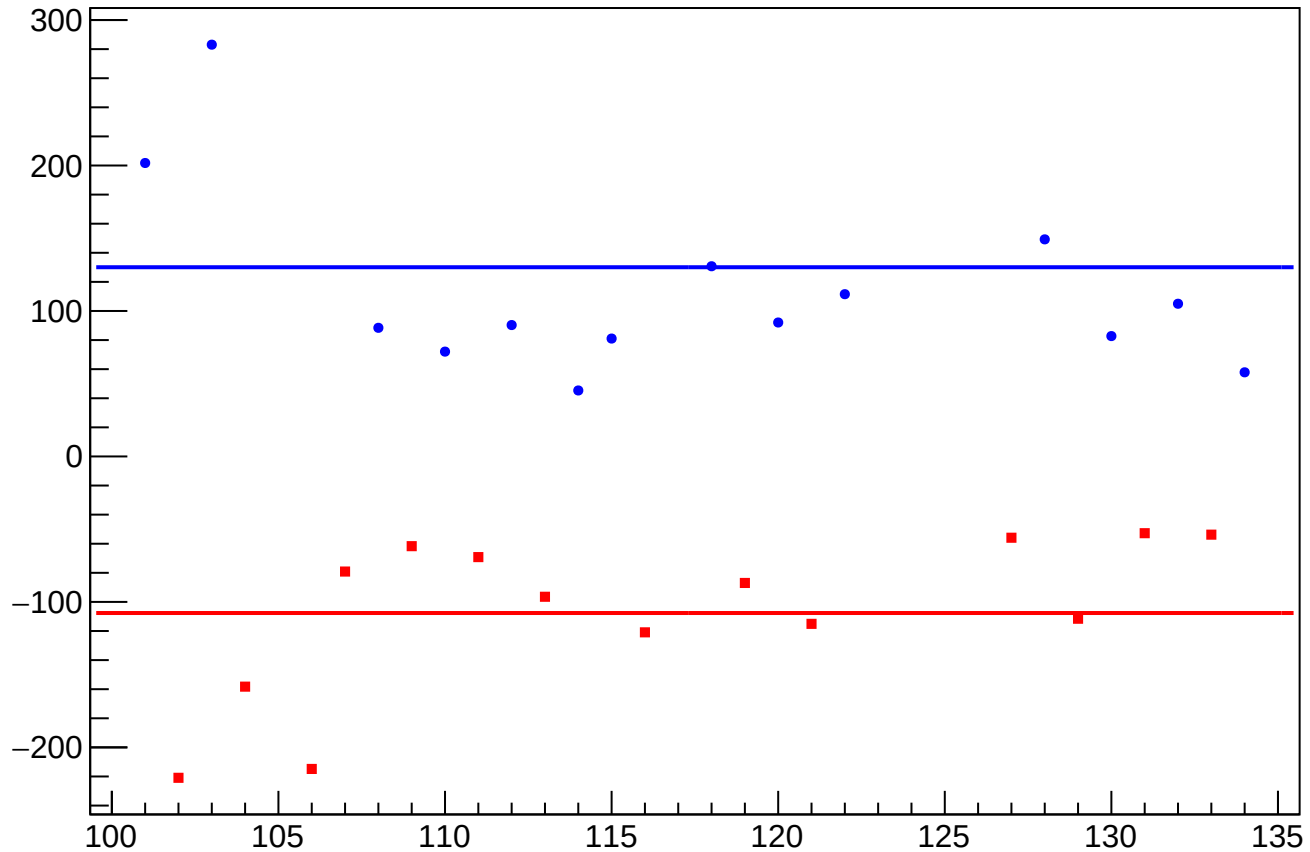
-201.850+/-0.000  $\chi^2/\text{NDF}$ : 9536456231417396

-16.577+/-0.000  $\chi^2/\text{NDF}$ : 2329196421500

156.654+/-0.000  $\chi^2/\text{NDF}$ : 13718245672048950



dit\_sam5\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 130.071+/-0.000  $\chi^2/\text{NDF}$ : 2399598315733952300064521975112925184.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -107.630+/-0.000  $\chi^2/\text{NDF}$ : 1822723285899952838986692993445003264.0/13

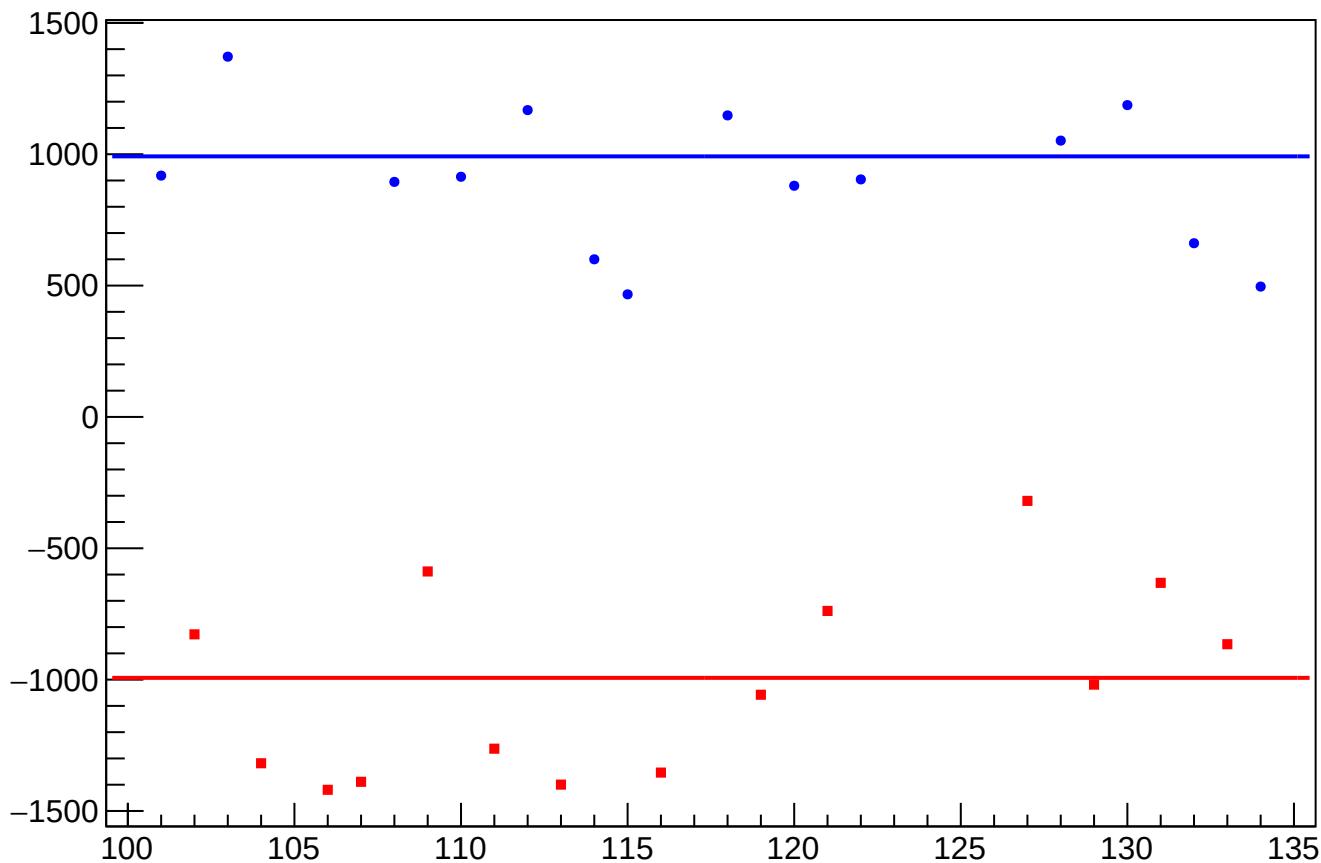
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

130.071+/-0.000  $\chi^2/\text{NDF}$ : 2399598315733952300064521975112925184.0/13

7.228+/-0.000  $\chi^2/\text{NDF}$ : 20603528239567

-107.630+/-0.000  $\chi^2/\text{NDF}$ : 1822723285899952838986692993445003264.0/13

dit\_sam5\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

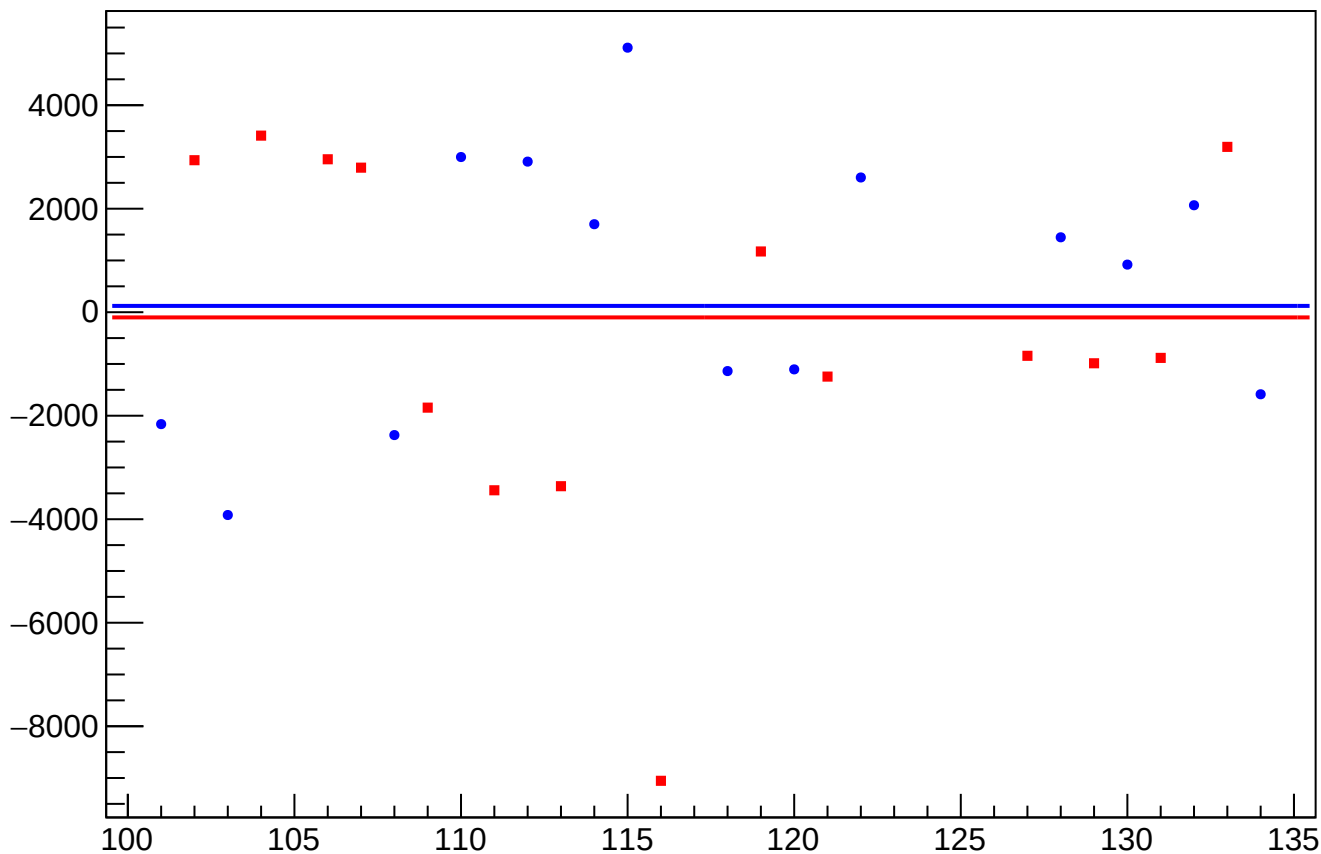
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

dit\_sam6\_coil6\_mean vs Slug, Sign Corrected



Right In: 121.927+/-0.000  $\chi^2/\text{NDF}$ : 3243260944466363944323827791764178075648.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -100.526+/-0.000  $\chi^2/\text{NDF}$ : 5657052947607009630637288785763161341952.0/13

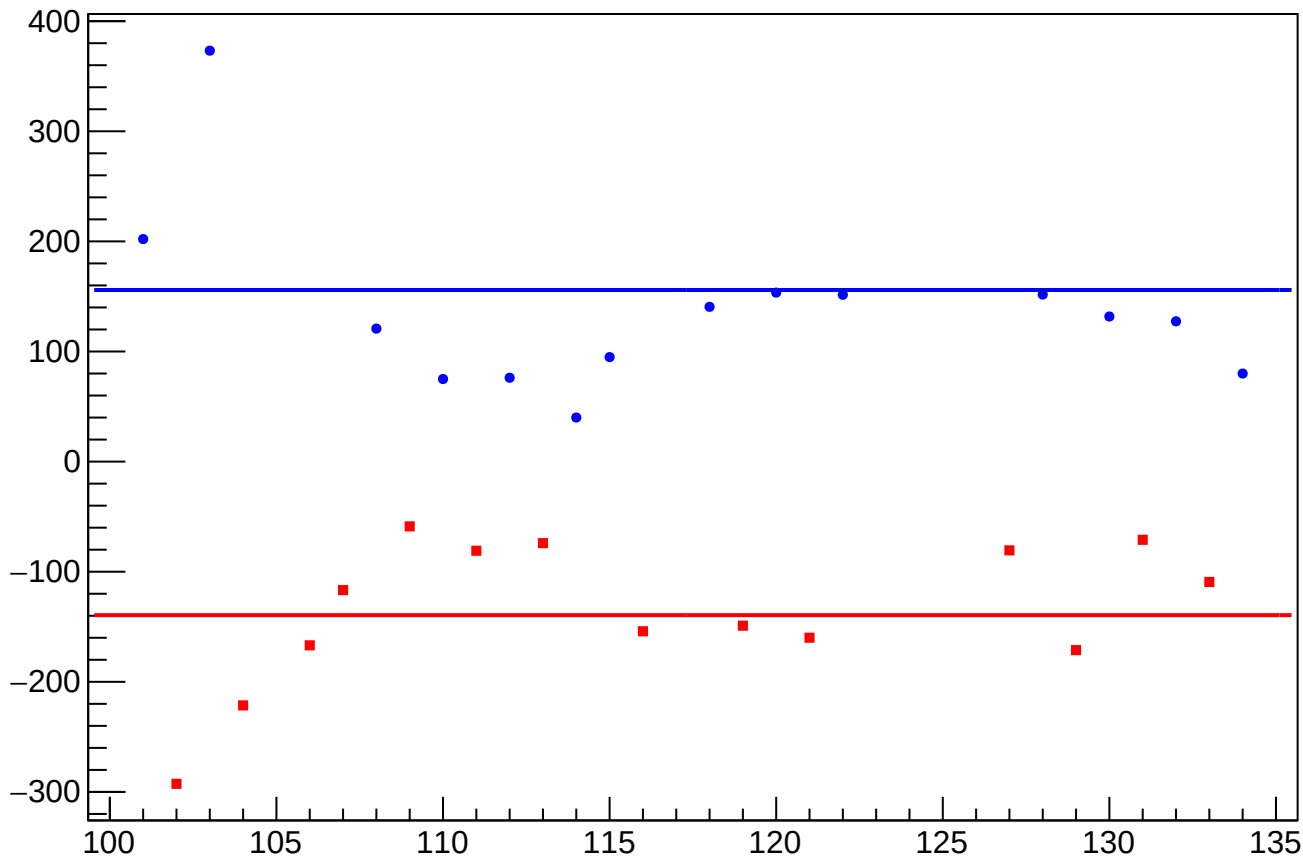
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

121.927+/-0.000  $\chi^2/\text{NDF}$ : 3243260944466363944323827791764178075648.0/13

6.965+/-0.000  $\chi^2/\text{NDF}$ : 89146608245594

-100.526+/-0.000  $\chi^2/\text{NDF}$ : 5657052947607009630637288785763161341952.0/13

dit\_sam6\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 155.852+/-0.000  $\chi^2/\text{NDF}$ : 3910212647588180059174348471106797568.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

155.852+/-0.000  $\chi^2/\text{NDF}$ : 39102126475881800

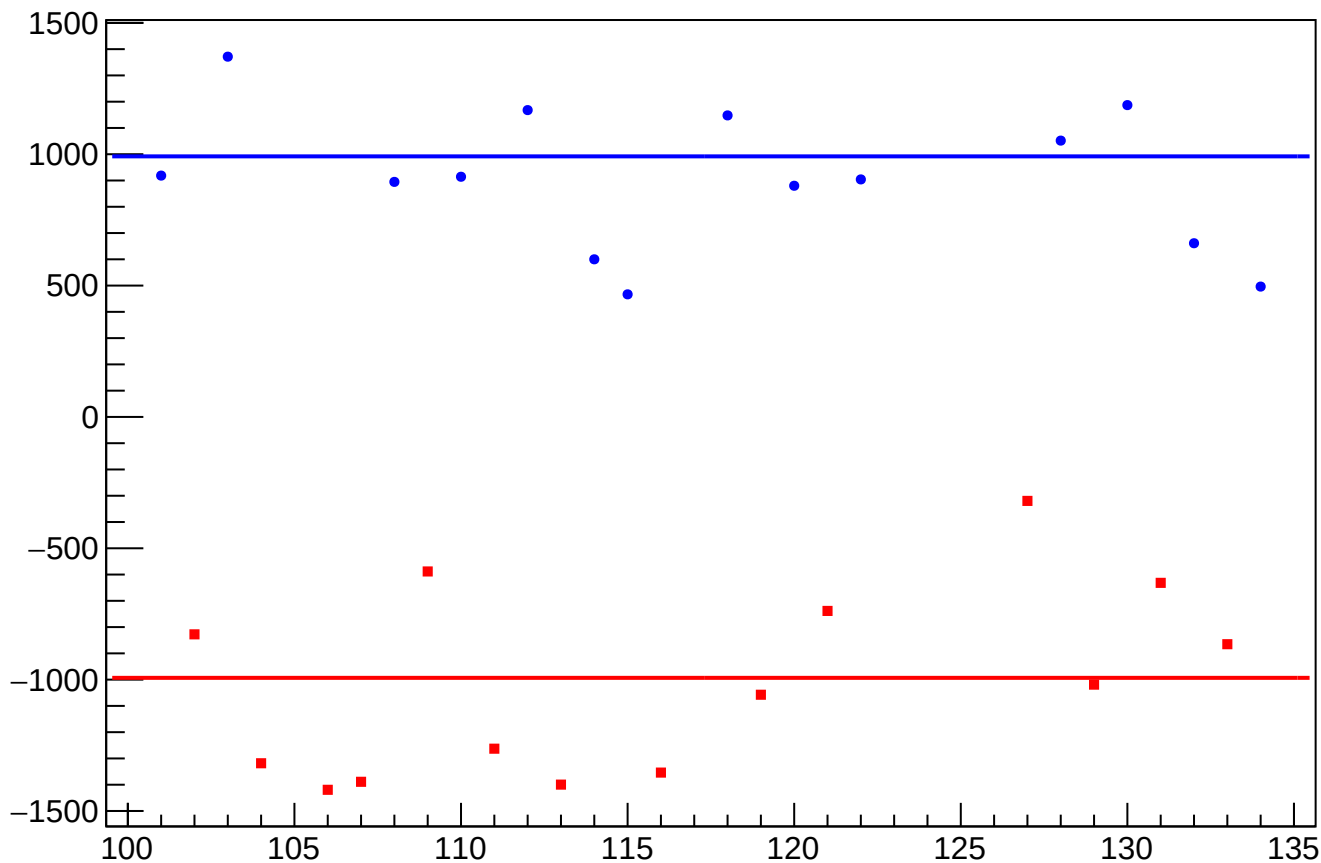
Right Out: -139.422+/-0.000  $\chi^2/\text{NDF}$ : 2859195921326643516906633159147257856.0/13

3.256+/-0.000  $\chi^2/\text{NDF}$ : 32046733619386

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-139.422+/-0.000  $\chi^2/\text{NDF}$ : 2859195921326643

dit\_sam6\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

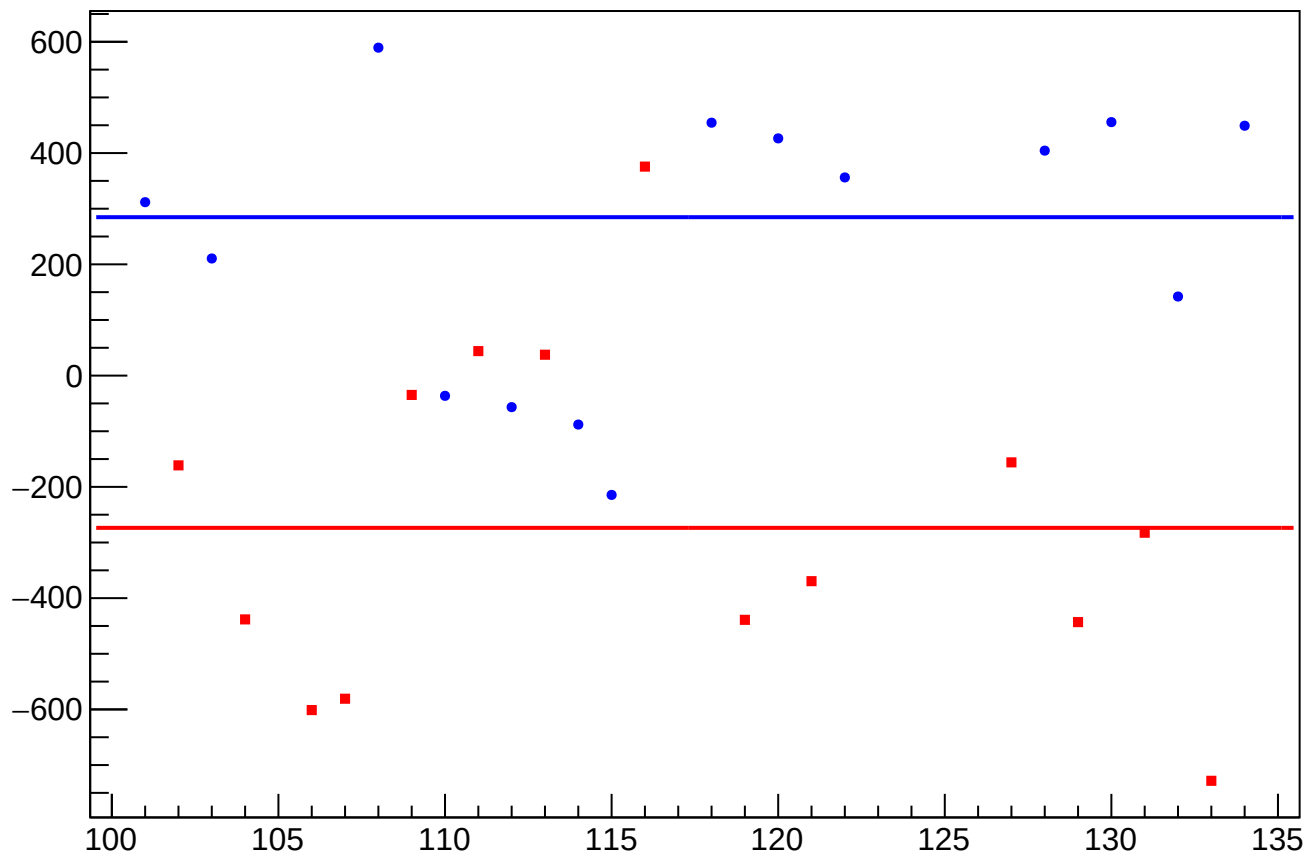
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

dit\_sam7\_coil6\_mean vs Slug, Sign Corrected



Right In: 284.755+/-0.000  $\chi^2/\text{NDF}$ : 24103223107612939395018129742135033856.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -273.642+/-0.000  $\chi^2/\text{NDF}$ : 44074480858807080822258817593394593792.0/13

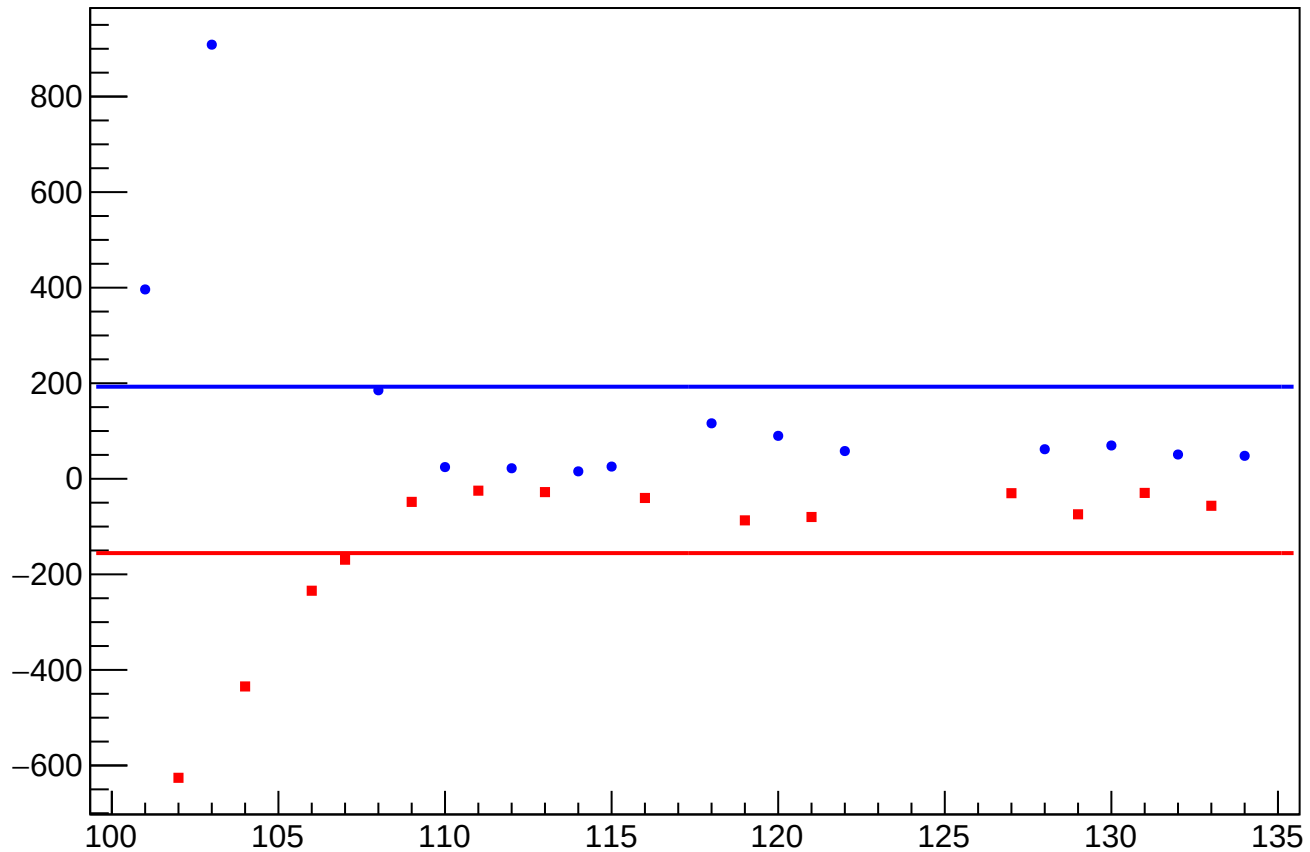
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

284.755+/-0.000  $\chi^2/\text{NDF}$ : 24103223107612939395018129742135033856.0/13

-3.822+/-0.000  $\chi^2/\text{NDF}$ : 15857746747951.0/13

-273.642+/-0.000  $\chi^2/\text{NDF}$ : 44074480858807080822258817593394593792.0/13

dit\_sam7\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 192.743+/-0.000  $\chi^2/\text{NDF}$ : 40231994968011729581800520573878534144.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -155.527+/-0.000  $\chi^2/\text{NDF}$ : 21876790654408899538186568271078096896.0/13

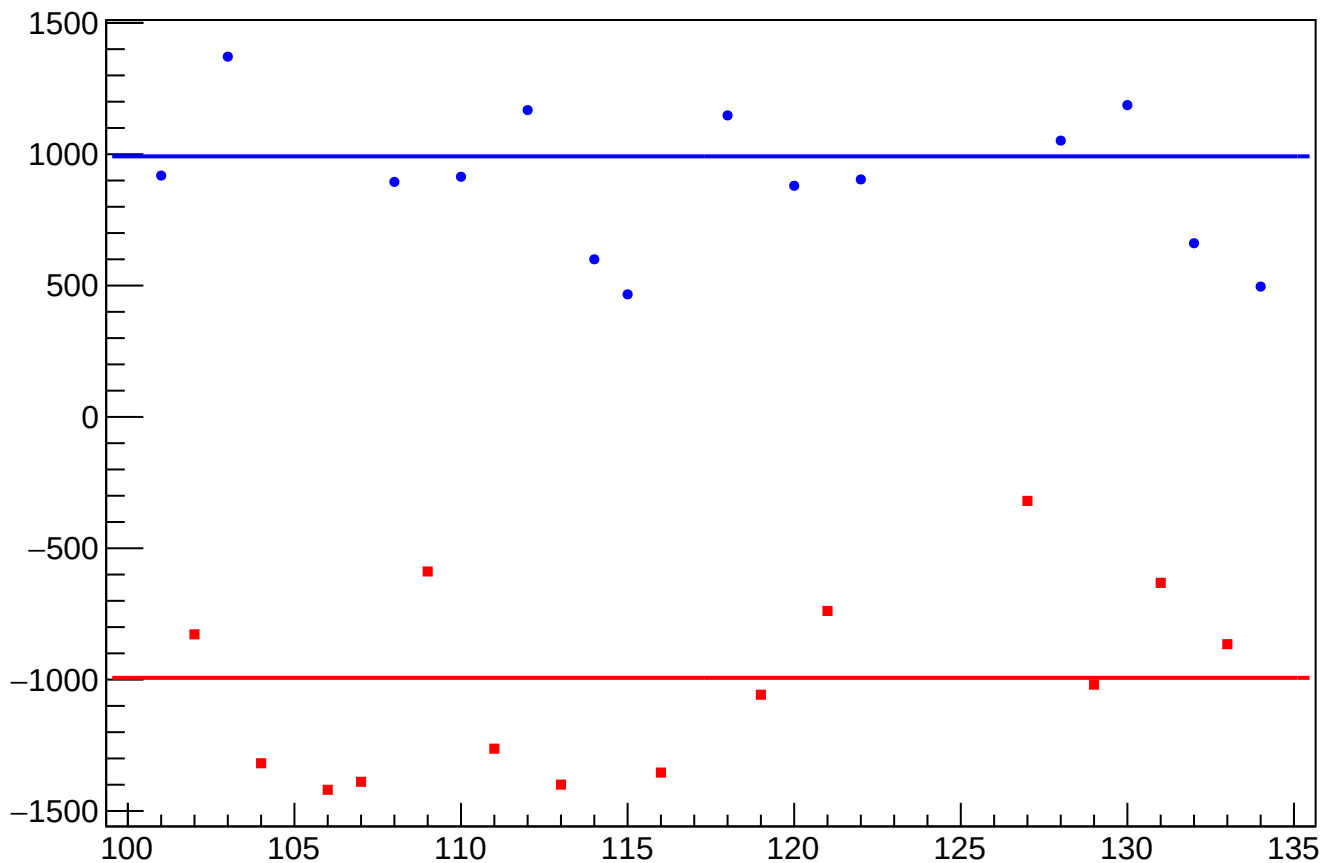
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

192.743+/-0.000  $\chi^2/\text{NDF}$ : 40231994968011729581800520573878534144.0/13

12.758+/-0.000  $\chi^2/\text{NDF}$ : 9727405367530

-155.527+/-0.000  $\chi^2/\text{NDF}$ : 21876790654408899538186568271078096896.0/13

dit\_sam7\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

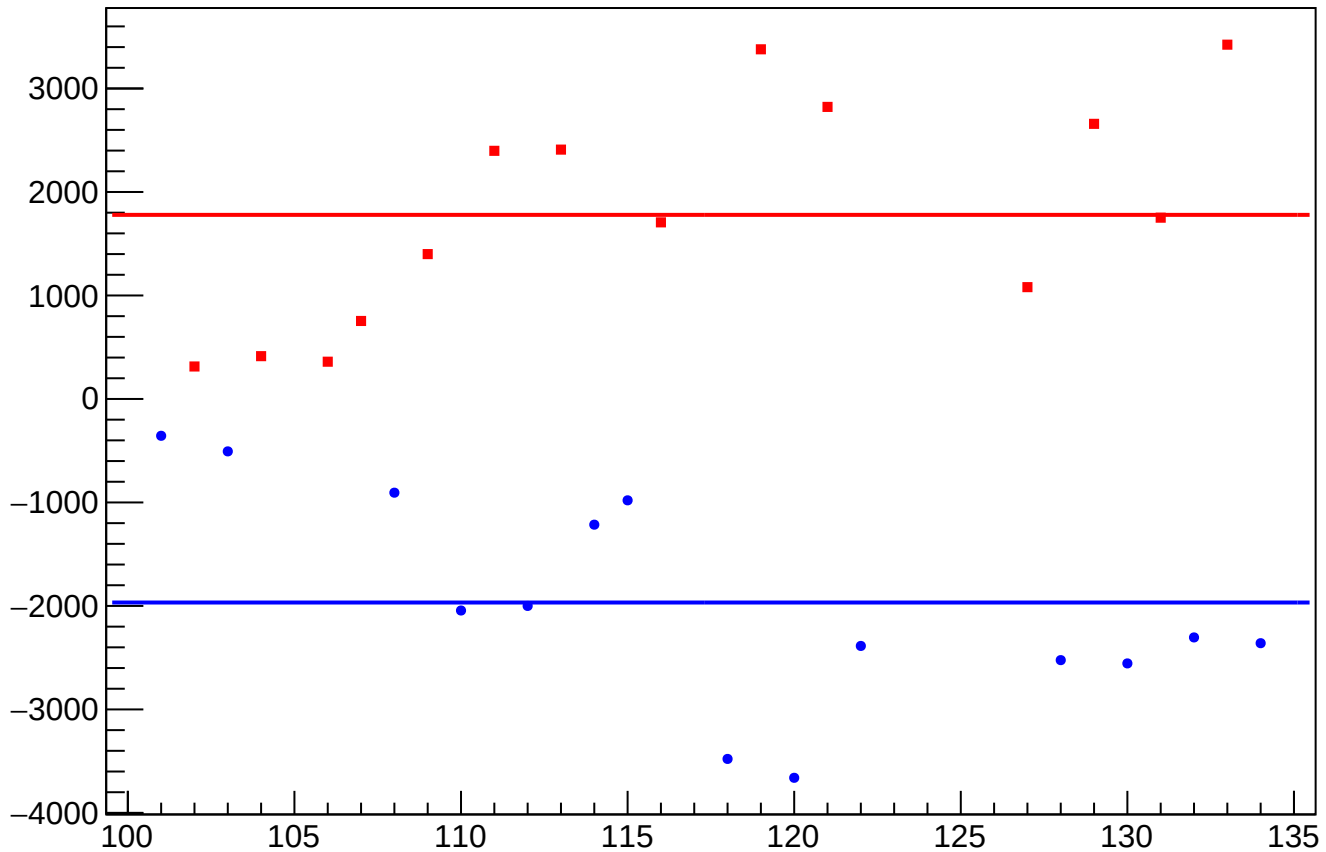
991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13



dit\_sam8\_coil6\_mean vs Slug, Sign Corrected



Right In: -1966.919+/-0.000  $\chi^2/\text{NDF}$ : 609812745413655787905405651467963990016.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1966.919+/-0.000  $\chi^2/\text{NDF}$ : 609812745413655

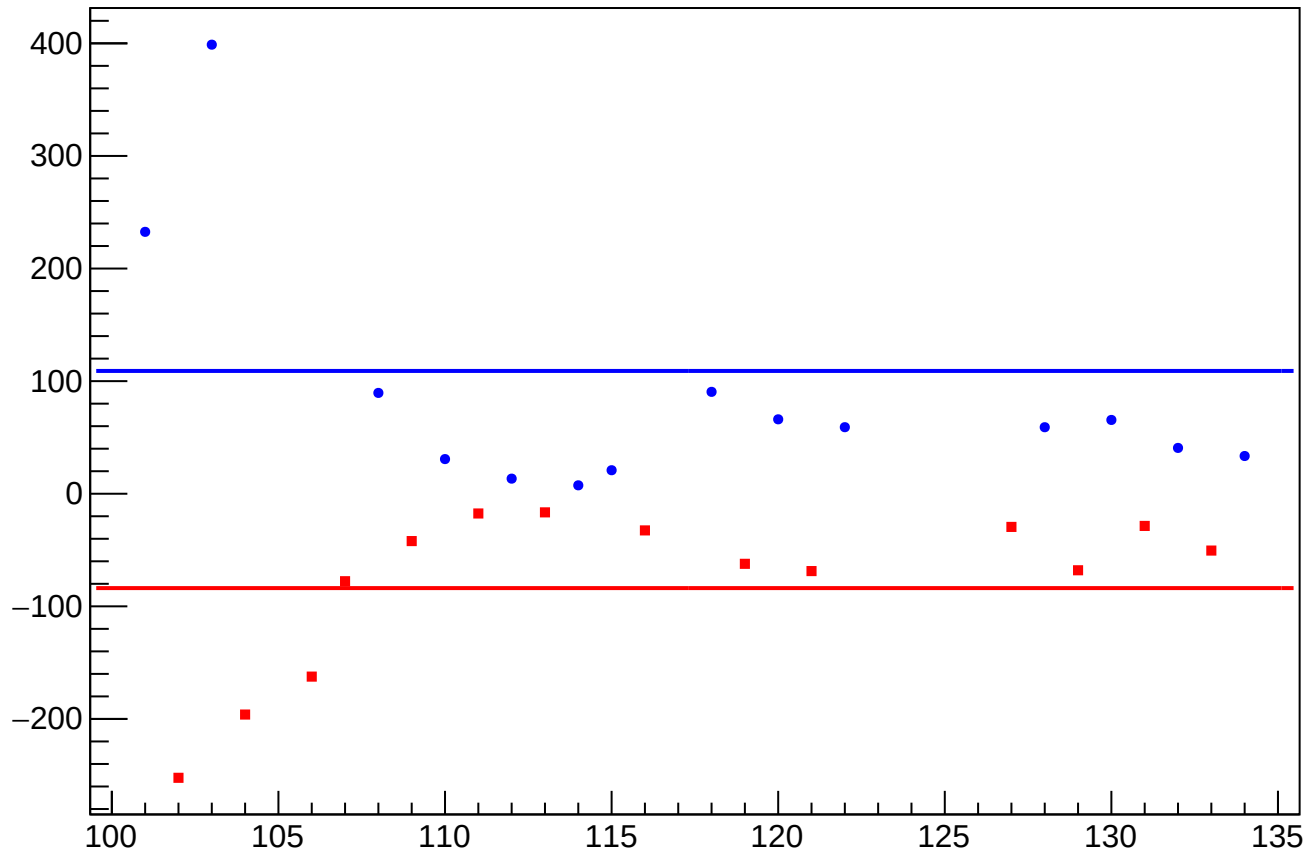
-31.107+/-0.000  $\chi^2/\text{NDF}$ : 538545046753

Right Out: 1778.878+/-0.000  $\chi^2/\text{NDF}$ : 707735820994442329231280442093164560384.0/13

1778.878+/-0.000  $\chi^2/\text{NDF}$ : 7077358209944423

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil6\_err\_mean vs Slug, Sign Corrected



Right In: 109.057+/-0.000  $\chi^2/\text{NDF}$ : 7484576484797504177996515829994225664.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -83.802+/-0.000  $\chi^2/\text{NDF}$ : 3375113947999681975333429712238149632.0/13

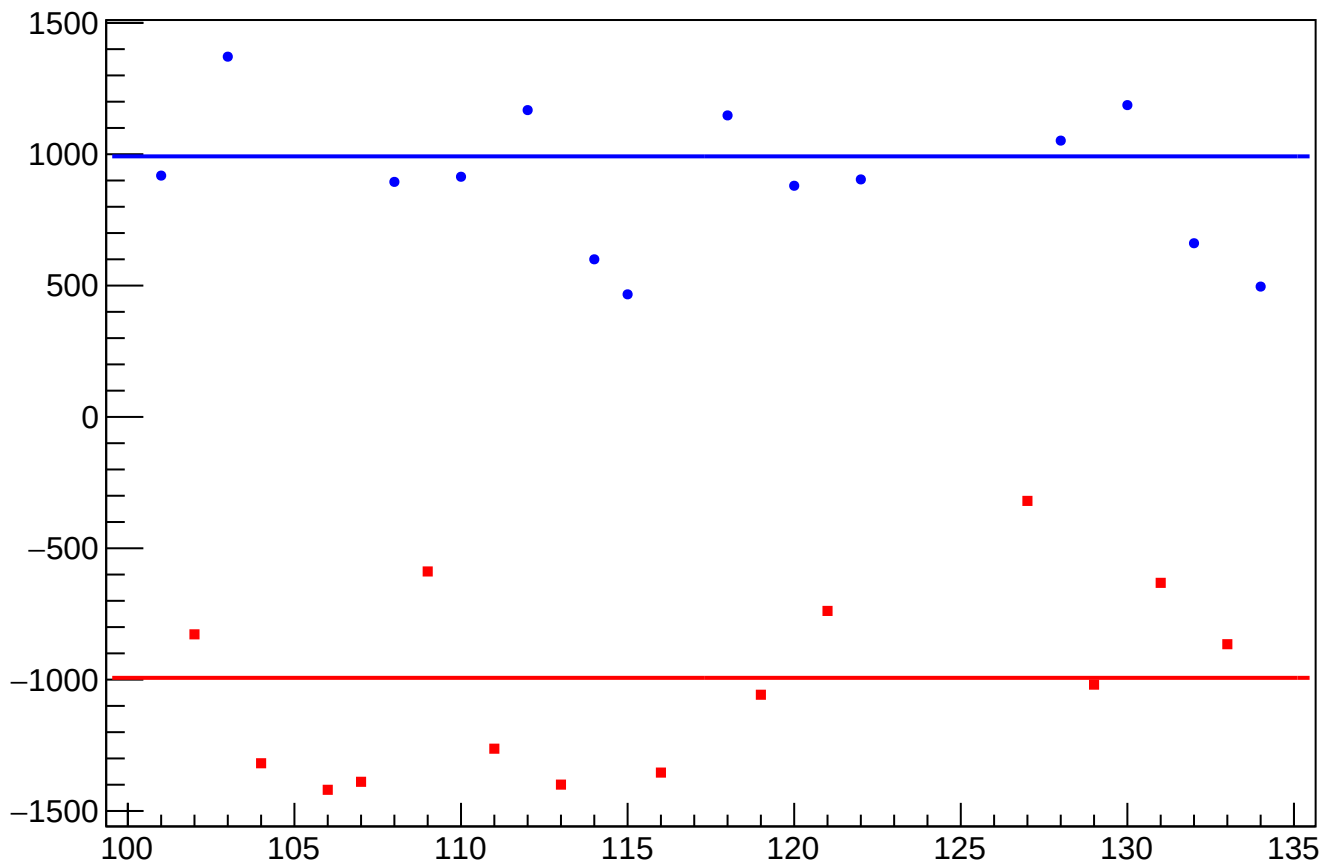
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

109.057+/-0.000  $\chi^2/\text{NDF}$ : 7484576484797504177996515829994225664.0/13

9.388+/-0.000  $\chi^2/\text{NDF}$ : 21643280770160

-83.802+/-0.000  $\chi^2/\text{NDF}$ : 3375113947999681975333429712238149632.0/13

dit\_sam8\_coil6\_Ndata\_mean vs Slug, Sign Corrected



Right In: 991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

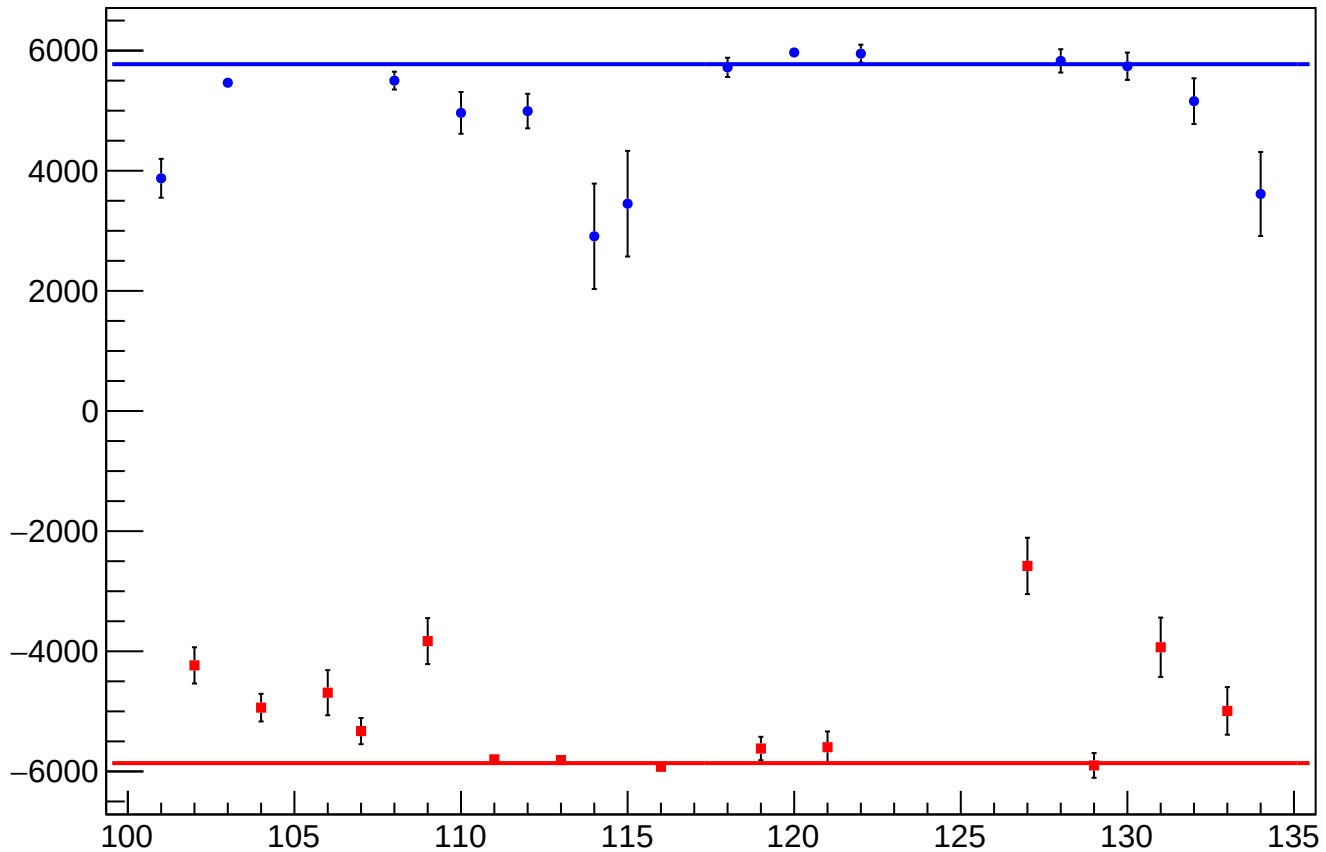
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

991.881+/-0.000  $\chi^2/\text{NDF}$ : 29850206711476140859030955050682810368.0/13

-33.998+/-0.000  $\chi^2/\text{NDF}$ : 124104660488.0/13

-993.195+/-0.000  $\chi^2/\text{NDF}$ : 68749609363962952232045233101724450816.0/13

# dit\_run\_mean vs Slug, Sign Corrected



Right In: 5774.116+/-0.181  $\chi^2/\text{NDF}$ : 1828522.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5861.461+/-0.140  $\chi^2/\text{NDF}$ : 180014.5/13

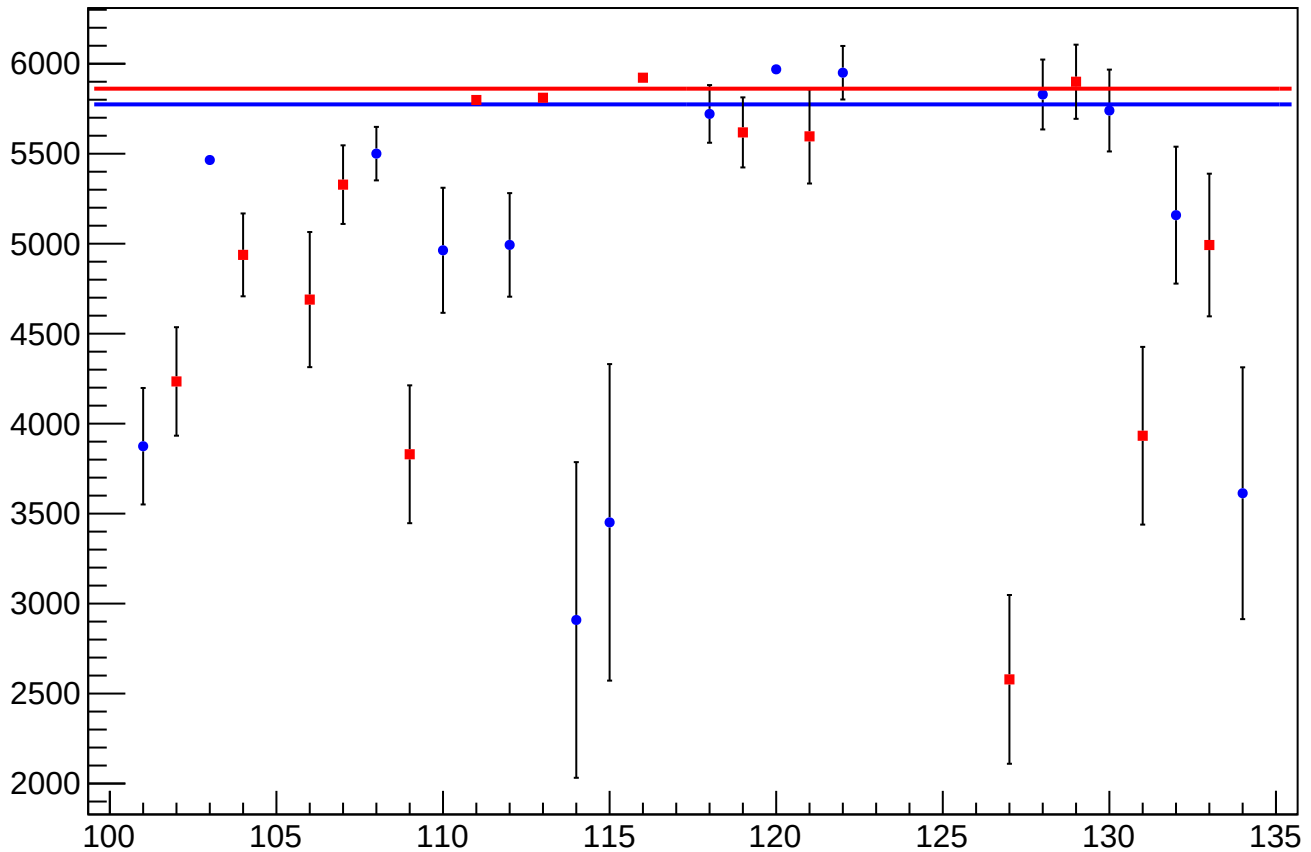
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5774.116+/-0.181  $\chi^2/\text{NDF}$ : 1828522.7/13

-1536.194+/-0.111  $\chi^2/\text{NDF}$ : 2585351670.

-5861.461+/-0.140  $\chi^2/\text{NDF}$ : 180014.5/13

# dit\_run\_rms vs Slug, Sign Corrected



Right In: 5774.116 $\pm$ 0.181  $\chi^2$ /NDF: 1828522.7/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 5861.461 $\pm$ 0.140  $\chi^2$ /NDF: 180014.5/13

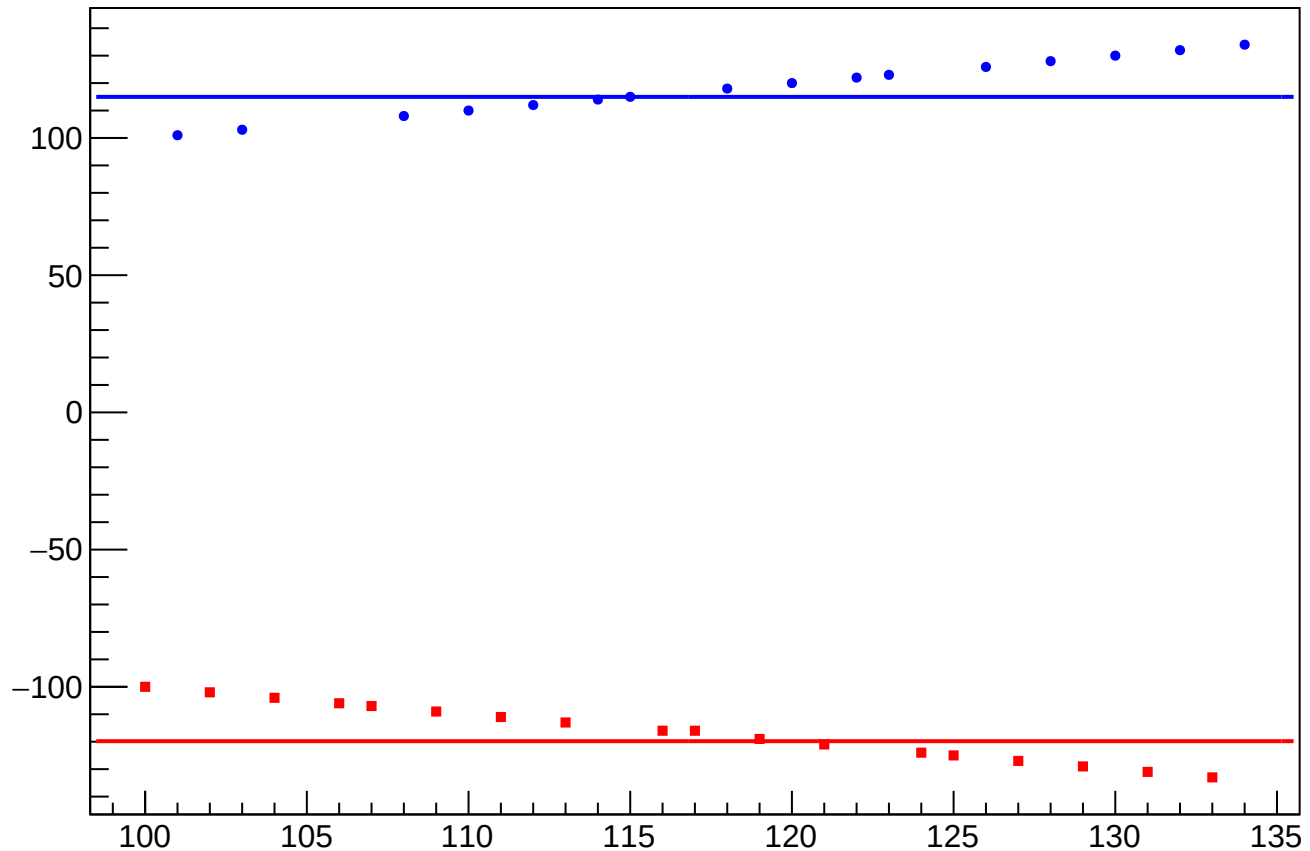
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

5774.116 $\pm$ 0.181  $\chi^2$ /NDF: 1828522.7/13

5828.993 $\pm$ 0.111  $\chi^2$ /NDF: 2154110.1/27

5861.461 $\pm$ 0.140  $\chi^2$ /NDF: 180014.5/13

# dit\_slug\_slope vs Slug, Sign Corrected



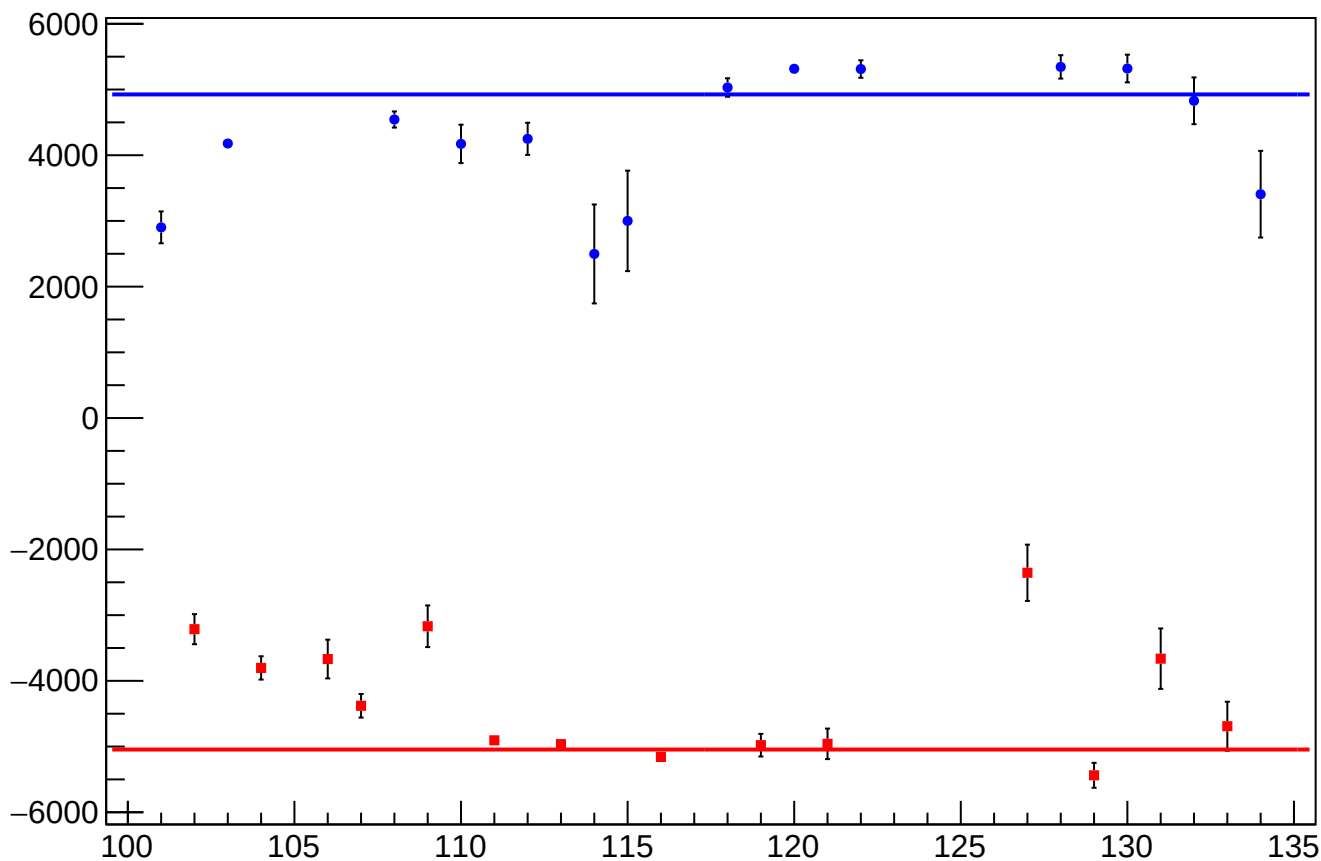
Right In: 114.980+/-0.000  $\chi^2/\text{NDF}$ : 112344936246012934714934440230912.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -119.807+/-0.000  $\chi^2/\text{NDF}$ : 45791749545107117391609260408832.0/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_cyclenum\_mean vs Slug, Sign Corrected



Right In: 4925.270+/-0.939  $\chi^2/\text{NDF}$ : 330954.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5045.218+/-0.668  $\chi^2/\text{NDF}$ : 30171.2/13

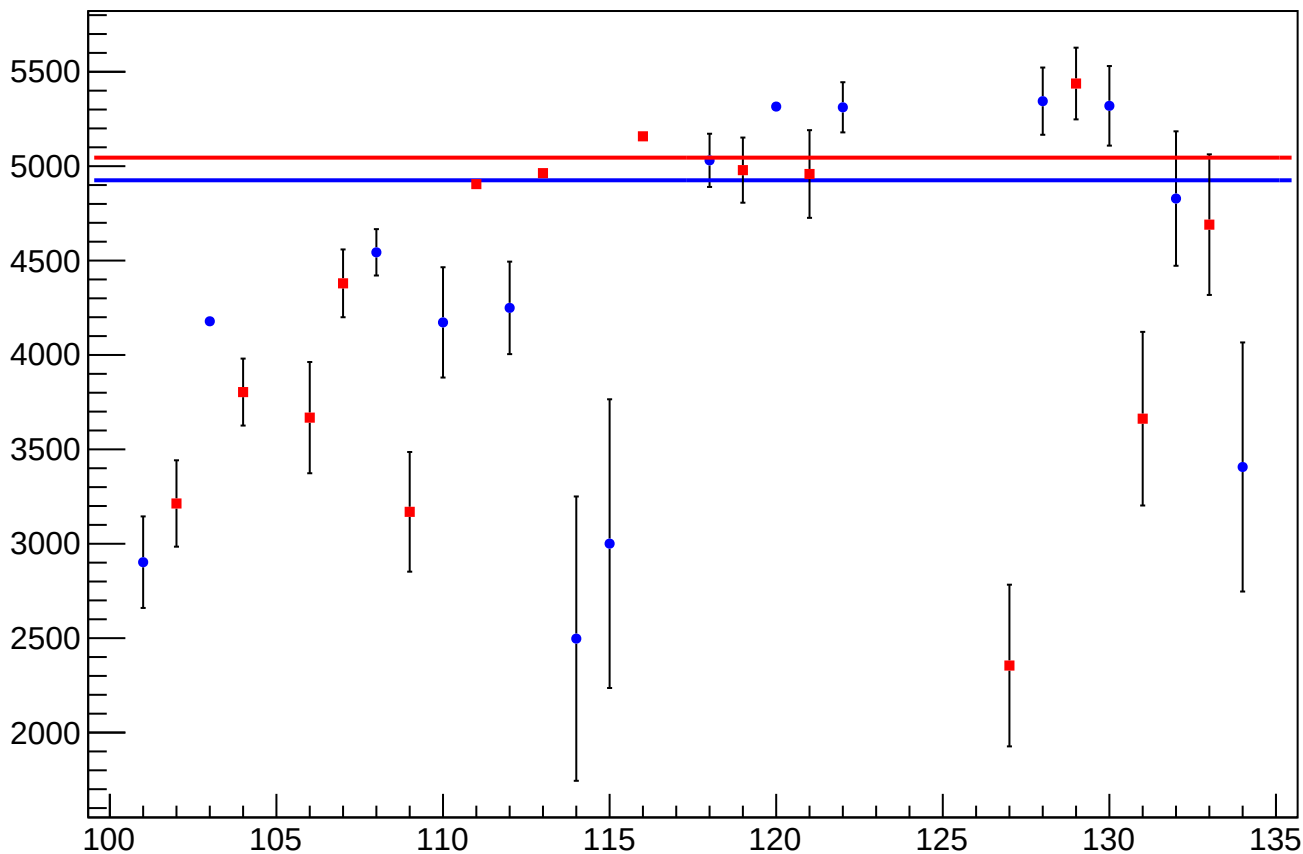
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4925.270+/-0.939  $\chi^2/\text{NDF}$ : 330954.4/13

-1694.583+/-0.544  $\chi^2/\text{NDF}$ : 75263627.3/13

-5045.218+/-0.668  $\chi^2/\text{NDF}$ : 30171.2/13

# dit\_cyclenum\_rms vs Slug, Sign Corrected



Right In: 4925.270+/-0.939  $\chi^2/\text{NDF}$ : 330954.4/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5045.218+/-0.668  $\chi^2/\text{NDF}$ : 30171.2/13

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

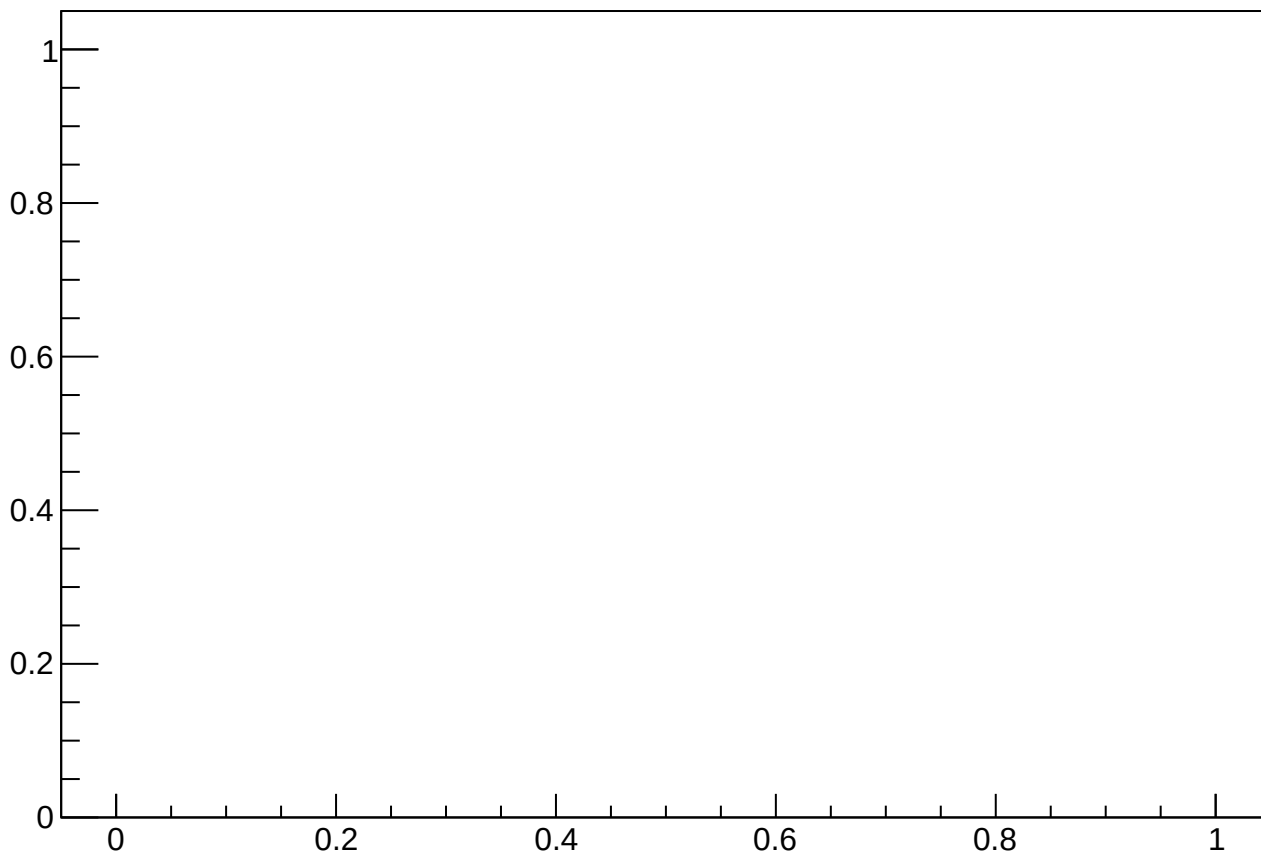
4925.270+/-0.939  $\chi^2/\text{NDF}$ : 330954.4/13

5004.908+/-0.544  $\chi^2/\text{NDF}$ : 371966.1/27

5045.218+/-0.668  $\chi^2/\text{NDF}$ : 30171.2/13



# 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

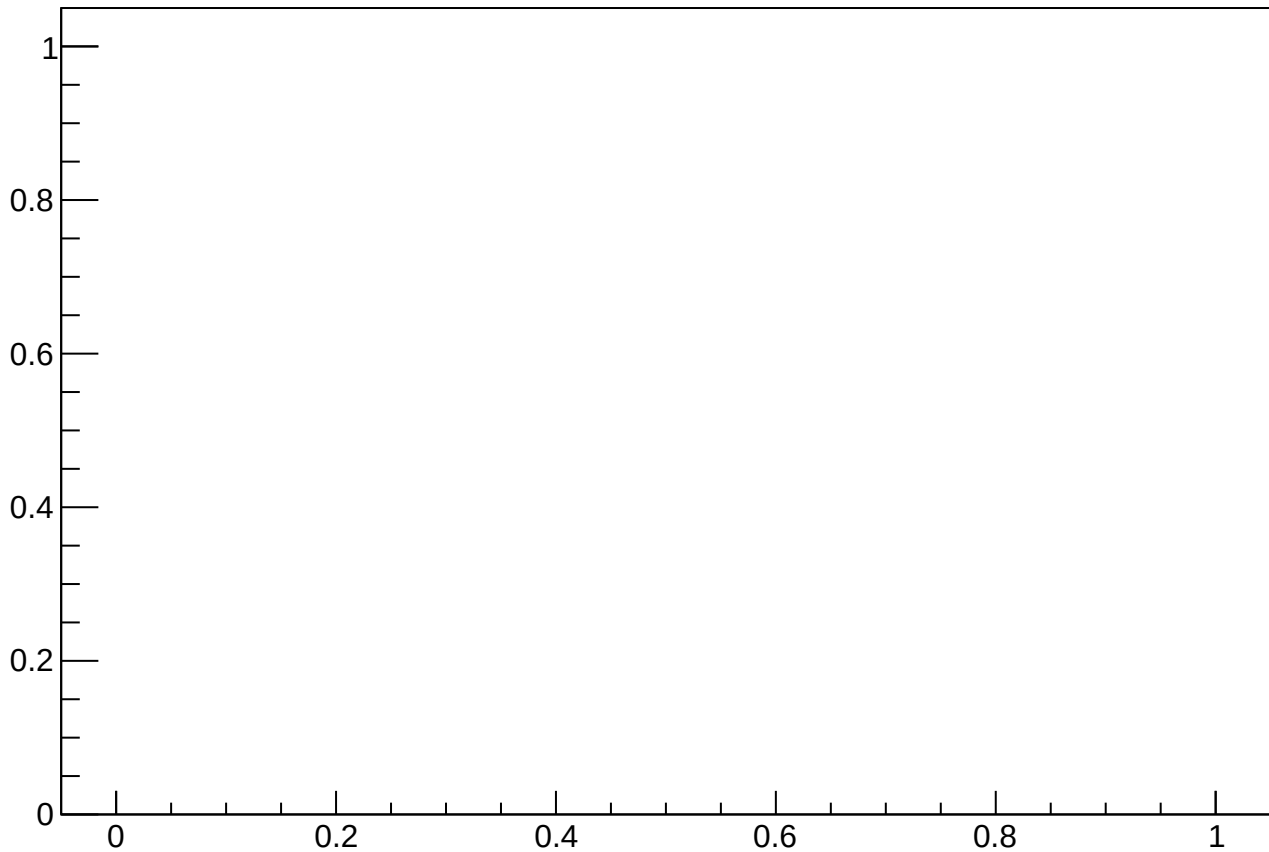
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

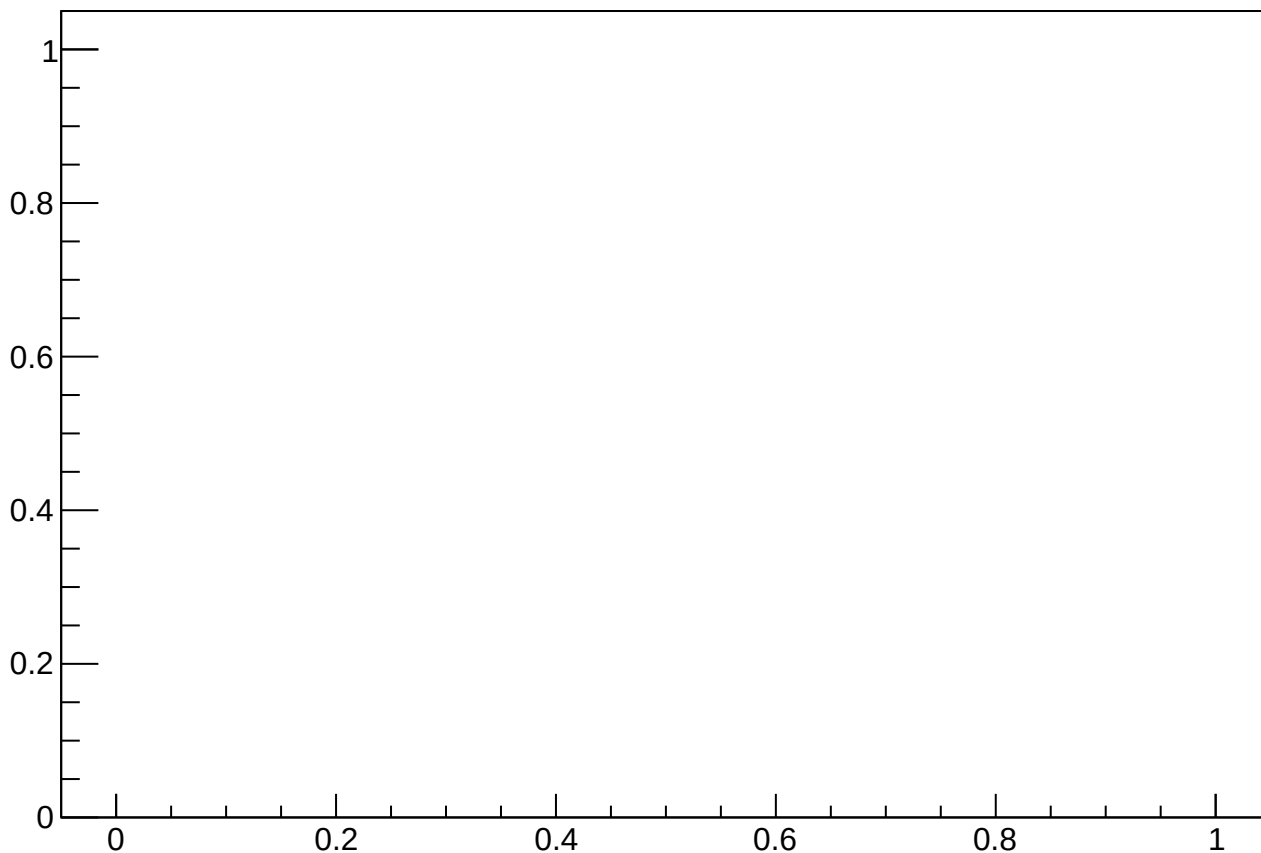
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

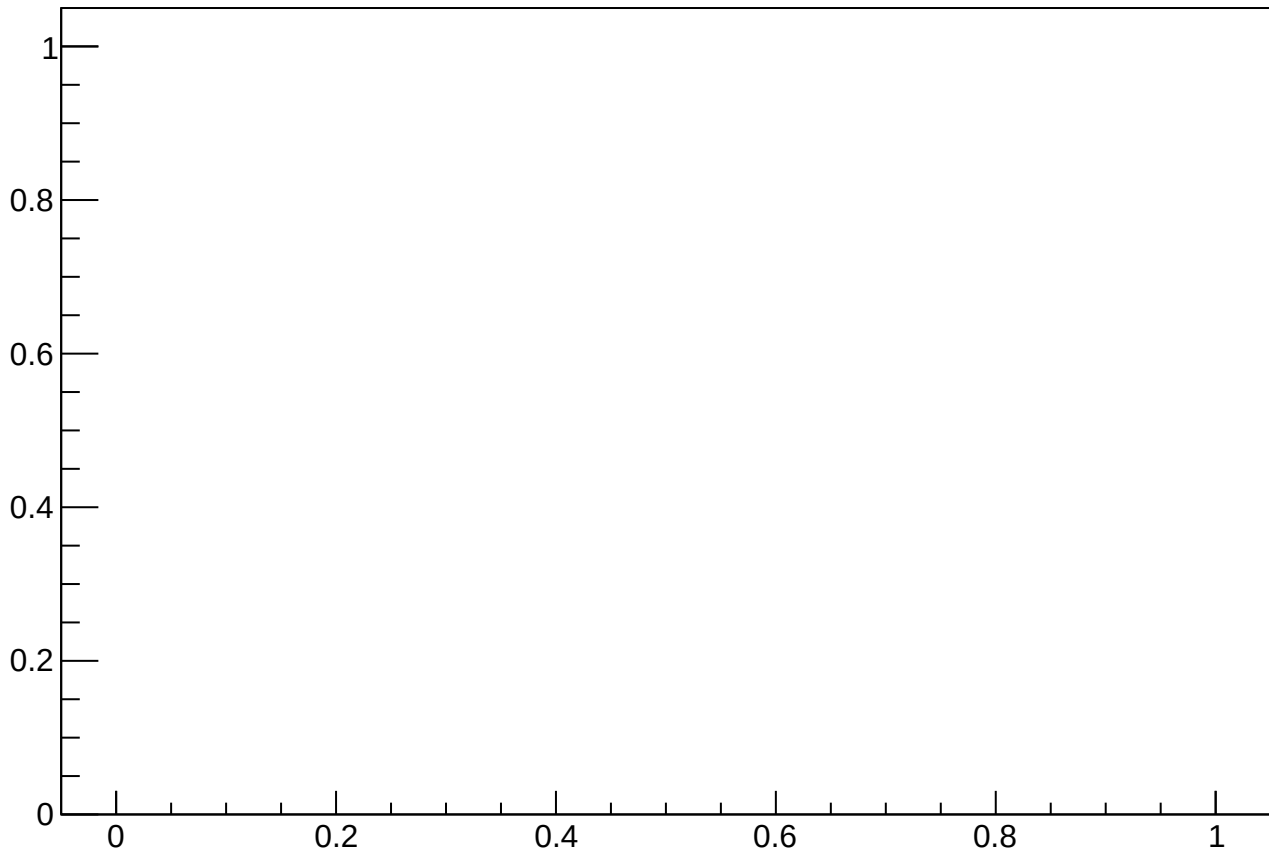
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

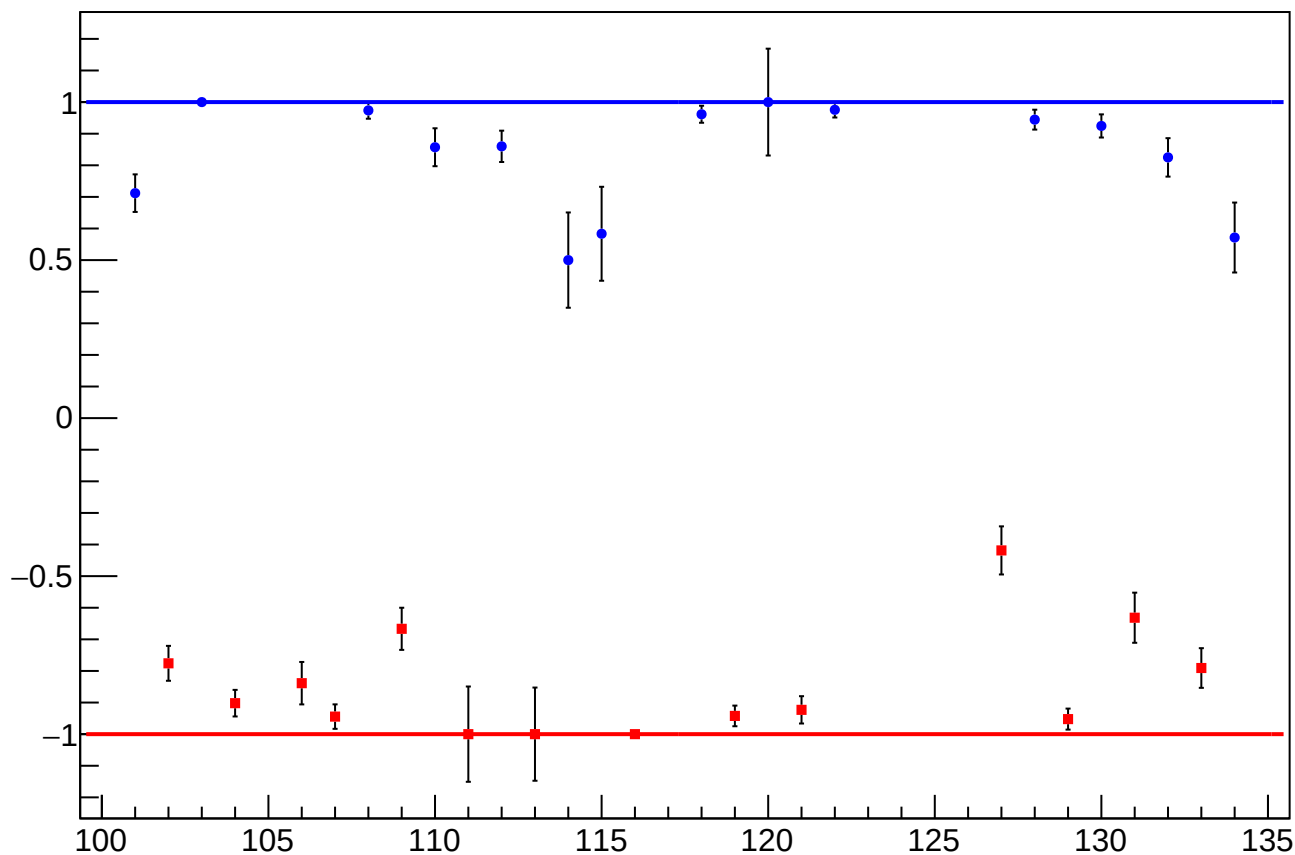
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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 $\pm$ 0.000  $\chi^2$ /NDF: 90.7/13

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.000 $\pm$ 0.000  $\chi^2$ /NDF: 154.1/13

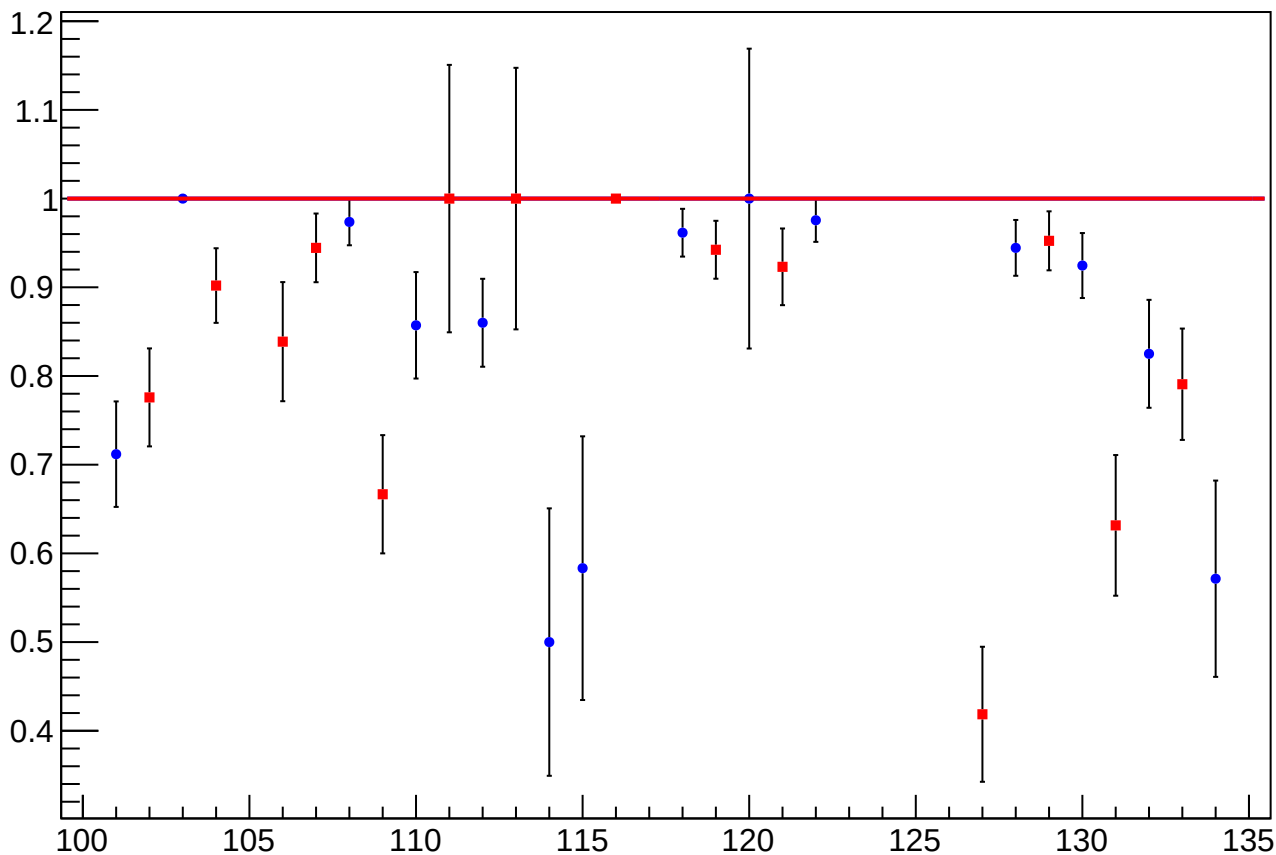
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.000 $\pm$ 0.000  $\chi^2$ /NDF: 90.7/13

0.398 $\pm$ 0.000  $\chi^2$ /NDF: 14173250084479

-1.000 $\pm$ 0.000  $\chi^2$ /NDF: 154.1/13

# dit\_flag\_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000  $\chi^2/\text{NDF}$ : 90.7/13

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.000+/-0.000  $\chi^2/\text{NDF}$ : 154.1/13

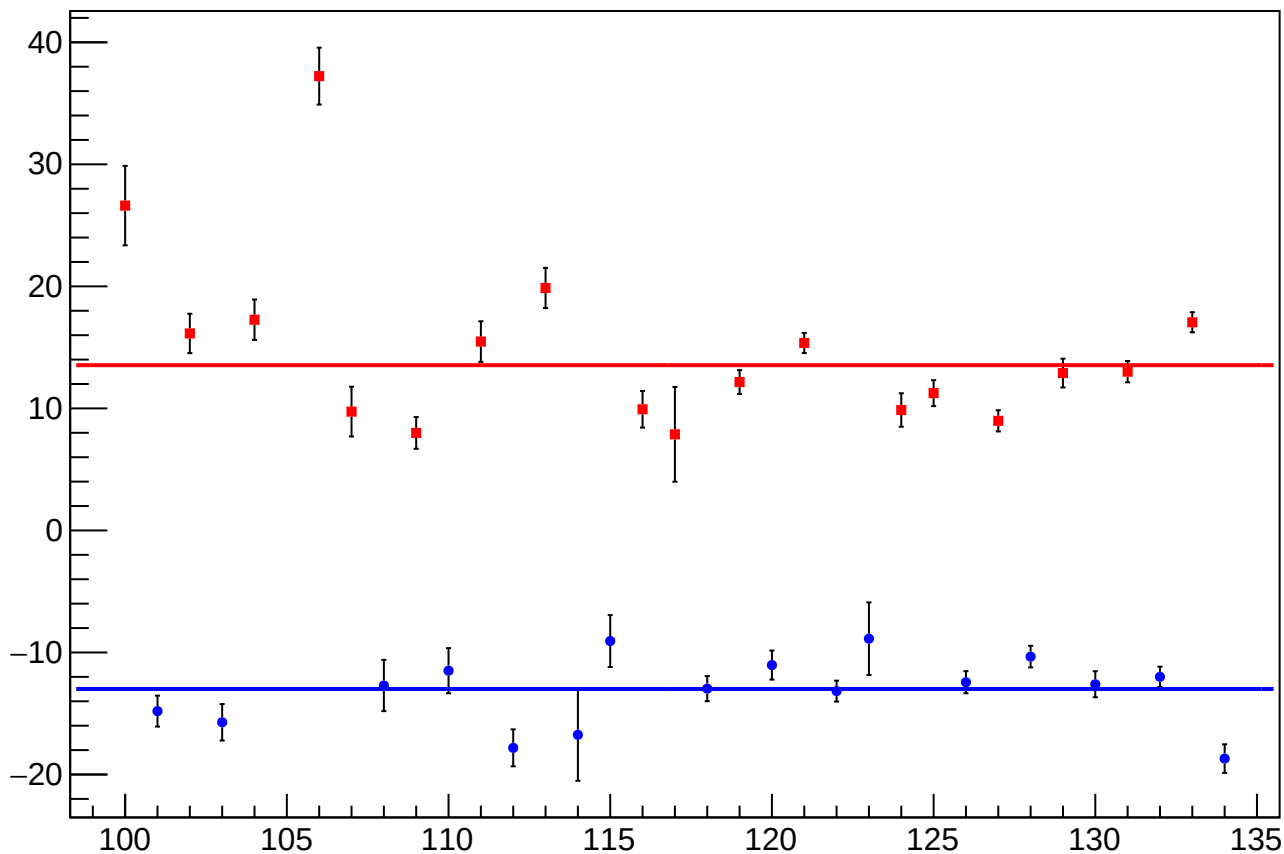
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.000+/-0.000  $\chi^2/\text{NDF}$ : 90.7/13

1.000+/-0.000  $\chi^2/\text{NDF}$ : 327.8/27

1.000+/-0.000  $\chi^2/\text{NDF}$ : 154.1/13

reg\_asym\_sam1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -12.991 $\pm$ 0.301  $\chi^2$ /NDF: 59.9/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 13.542 $\pm$ 0.291  $\chi^2$ /NDF: 237.6/17

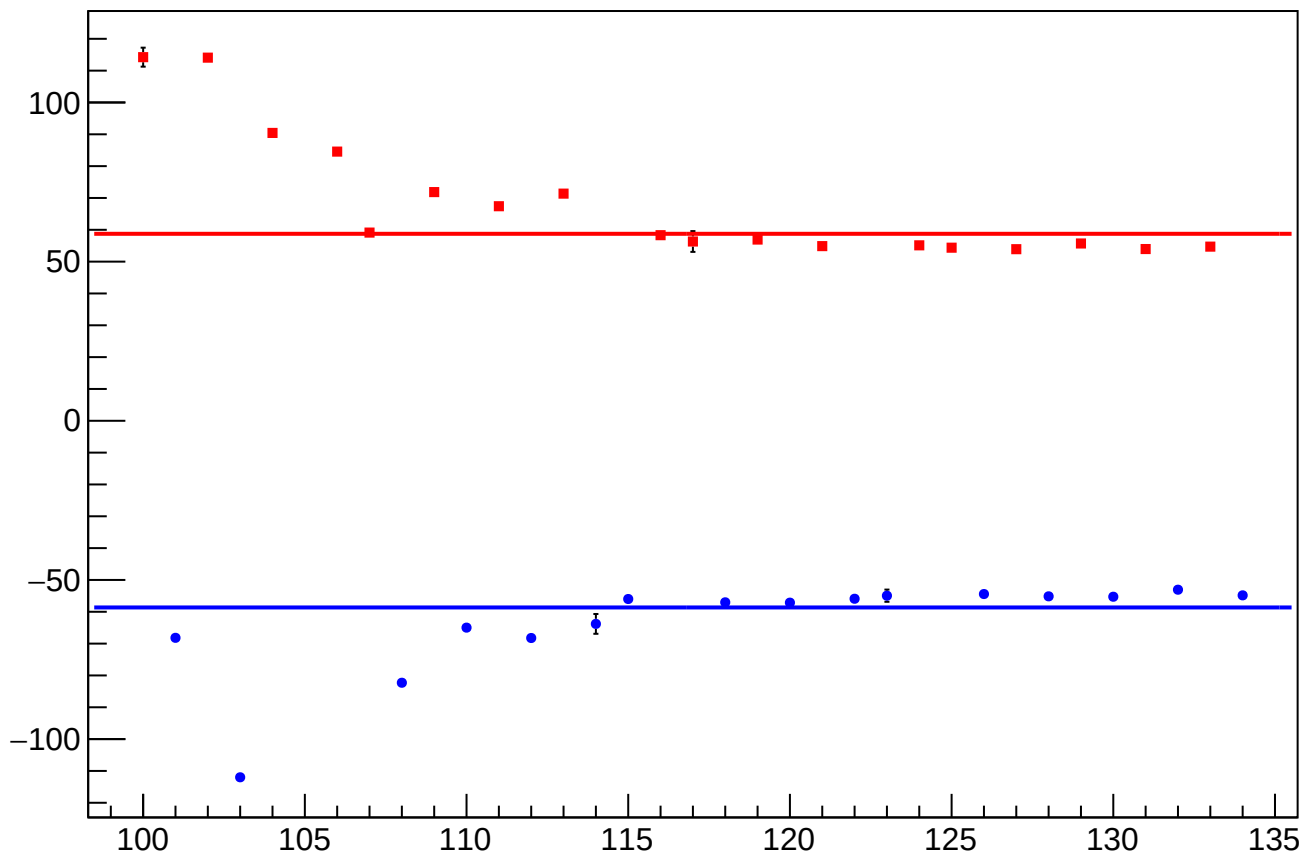
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

-12.991 $\pm$ 0.301  $\chi^2$ /NDF: 59.9/15

0.757 $\pm$ 0.209  $\chi^2$ /NDF: 4315.2/33

13.542 $\pm$ 0.291  $\chi^2$ /NDF: 237.6/17

reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -58.641 $\pm$ 0.168  $\chi^2$ /NDF: 3313.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 58.743 $\pm$ 0.166  $\chi^2$ /NDF: 4551.9/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

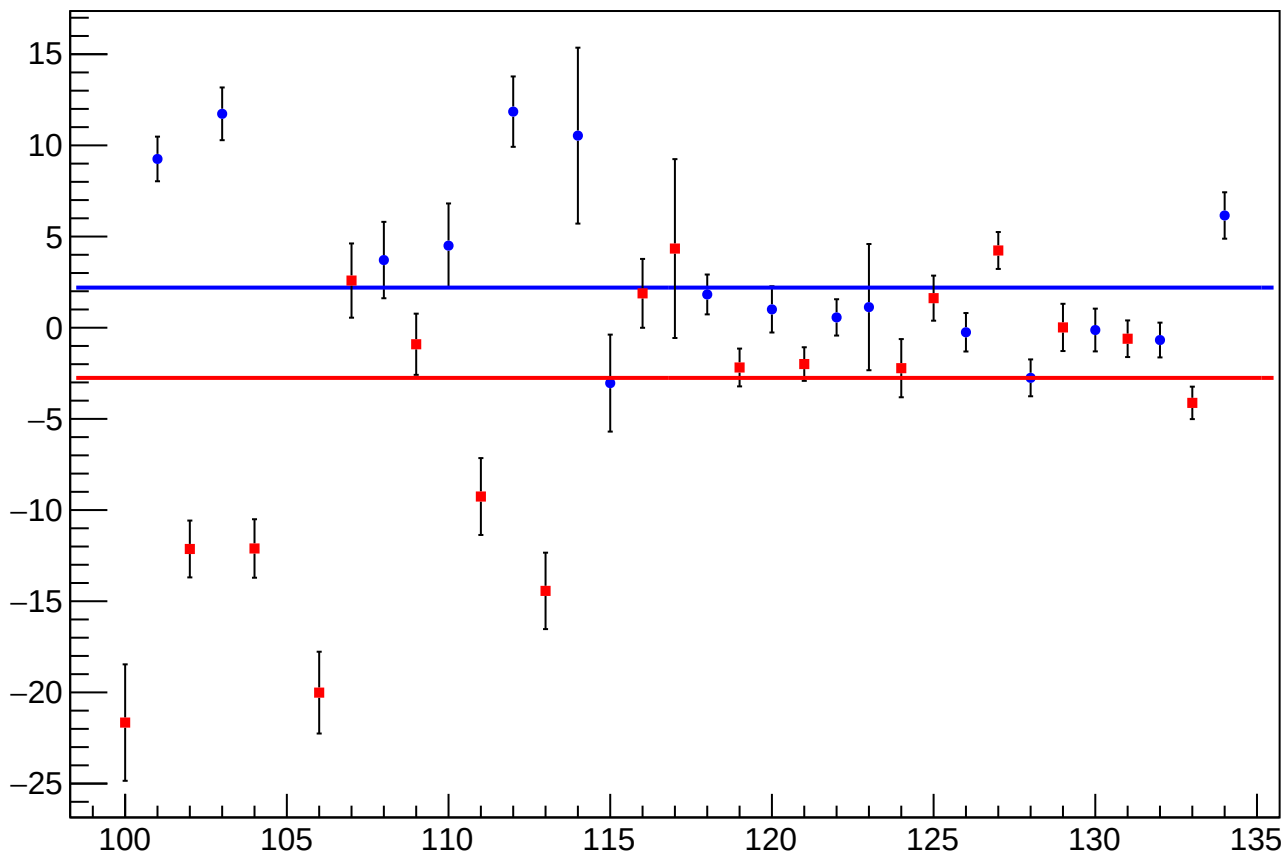
-58.641 $\pm$ 0.168  $\chi^2$ /NDF: 3313.2/15

0.790 $\pm$ 0.118  $\chi^2$ /NDF: 255619.7/33

58.743 $\pm$ 0.166  $\chi^2$ /NDF: 4551.9/17



reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.201 $\pm$ 0.335  $\chi^2$ /NDF: 165.9/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2.752 $\pm$ 0.325  $\chi^2$ /NDF: 294.1/17

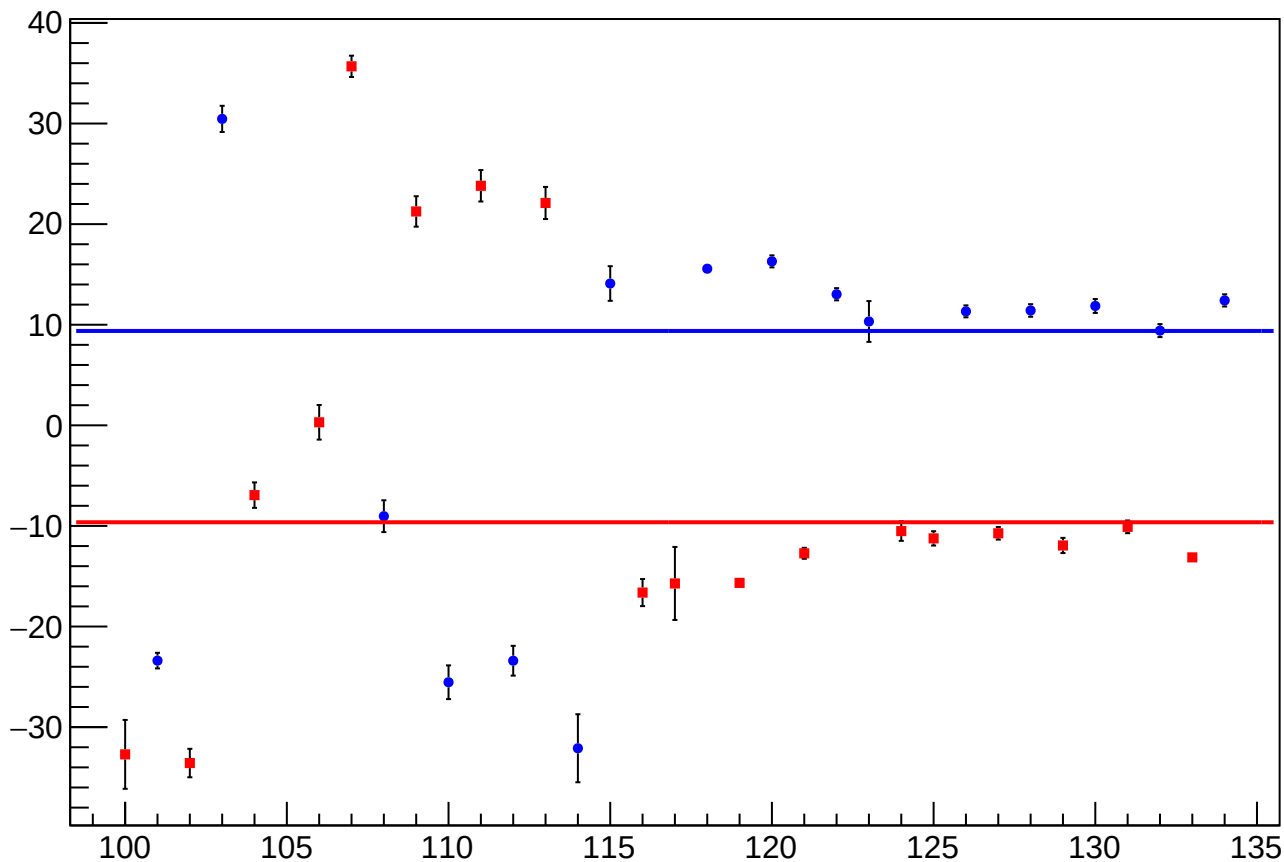
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2.201 $\pm$ 0.335  $\chi^2$ /NDF: 165.9/15

-0.352 $\pm$ 0.234  $\chi^2$ /NDF: 572.3/33

-2.752 $\pm$ 0.325  $\chi^2$ /NDF: 294.1/17

reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 9.383+/-0.195  $\chi^2/\text{NDF}$ : 3648.8/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -9.634+/-0.192  $\chi^2/\text{NDF}$ : 3771.7/17

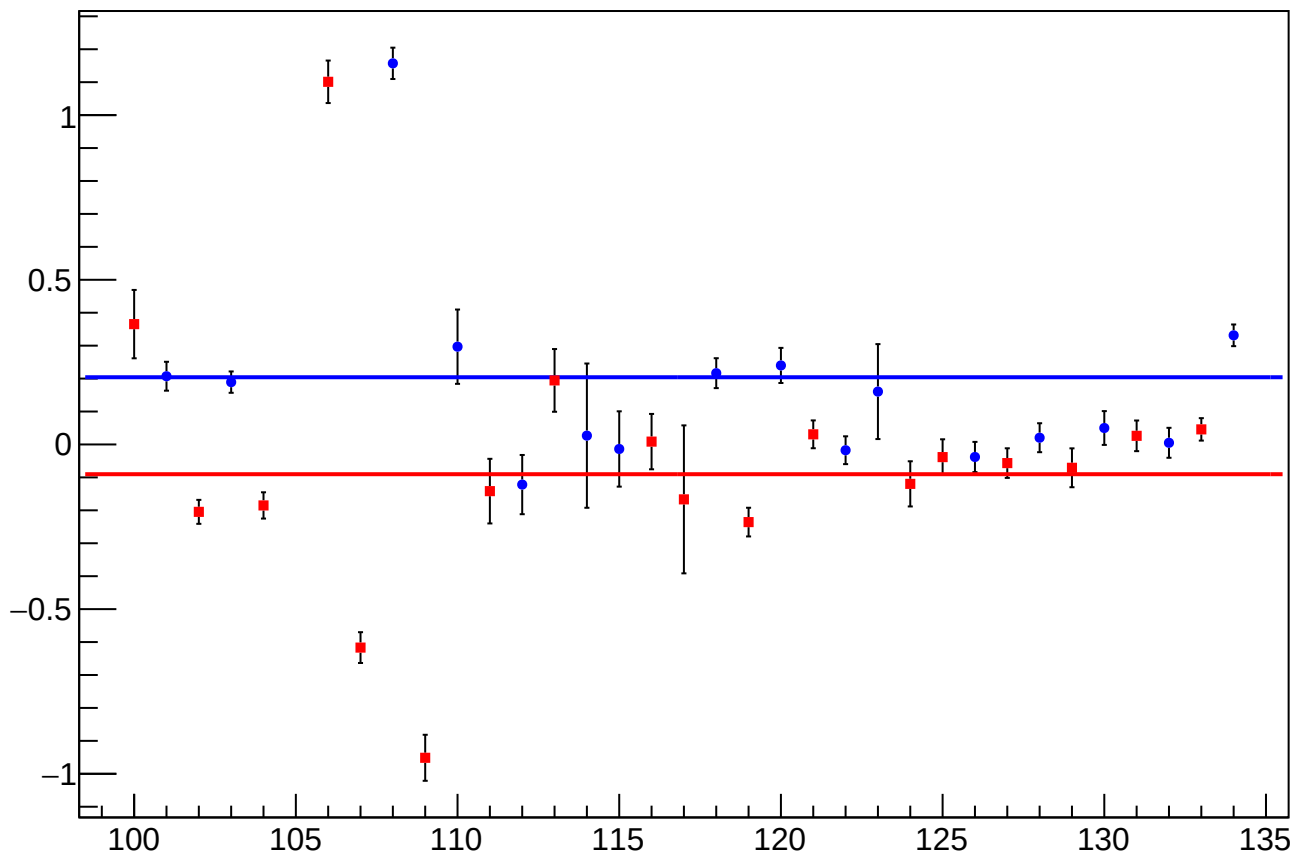
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

9.383+/-0.195  $\chi^2/\text{NDF}$ : 3648.8/15

-0.266+/-0.137  $\chi^2/\text{NDF}$ : 12247.7/33

-9.634+/-0.192  $\chi^2/\text{NDF}$ : 3771.7/17

reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.204 $\pm$ 0.012  $\chi^2$ /NDF: 536.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.090 $\pm$ 0.012  $\chi^2$ /NDF: 708.5/17

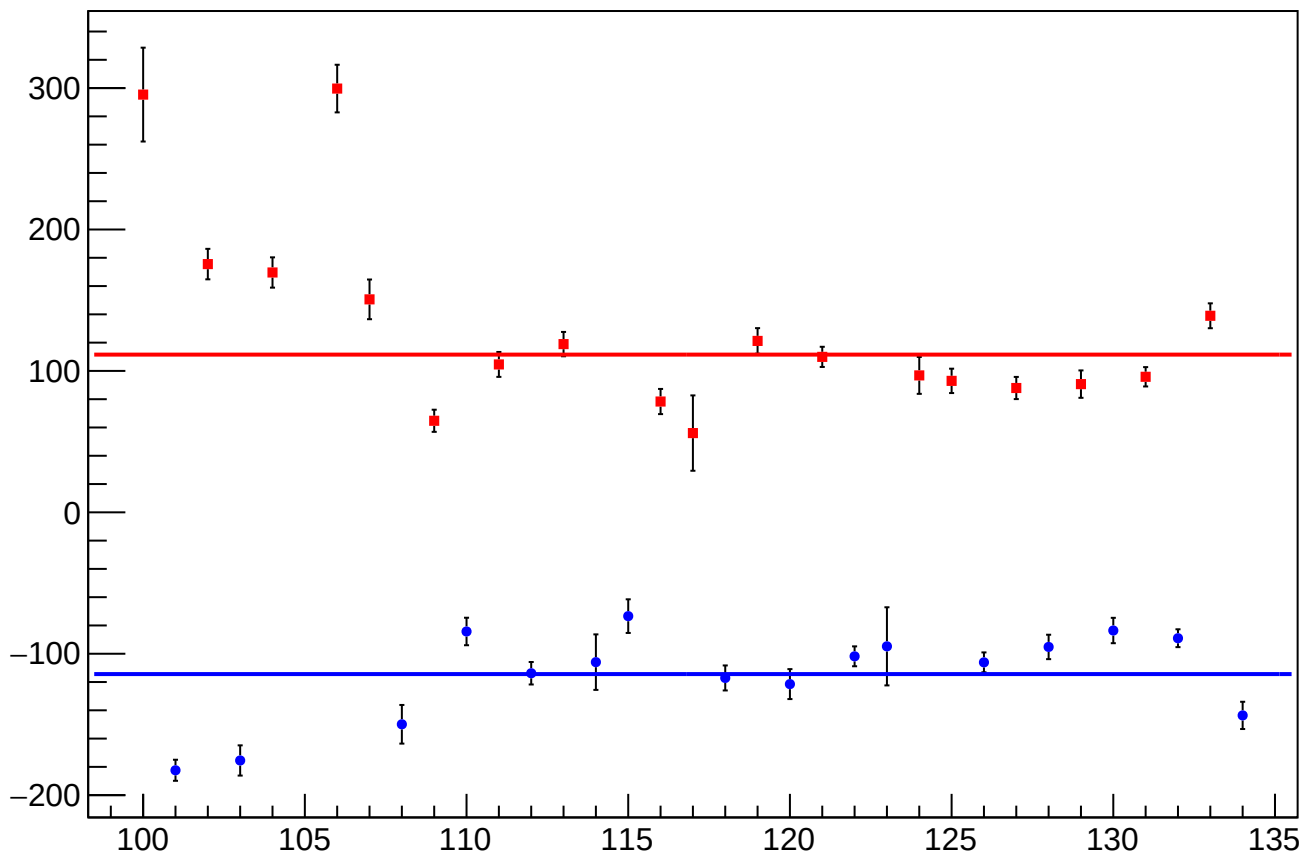
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.204 $\pm$ 0.012  $\chi^2$ /NDF: 536.2/15

0.056 $\pm$ 0.009  $\chi^2$ /NDF: 1525.1/33

-0.090 $\pm$ 0.012  $\chi^2$ /NDF: 708.5/17

reg\_asym\_sam2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-114.380 \pm 2.274$   $\chi^2/\text{NDF}: 192.2/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $111.528 \pm 2.259$   $\chi^2/\text{NDF}: 319.1/17$

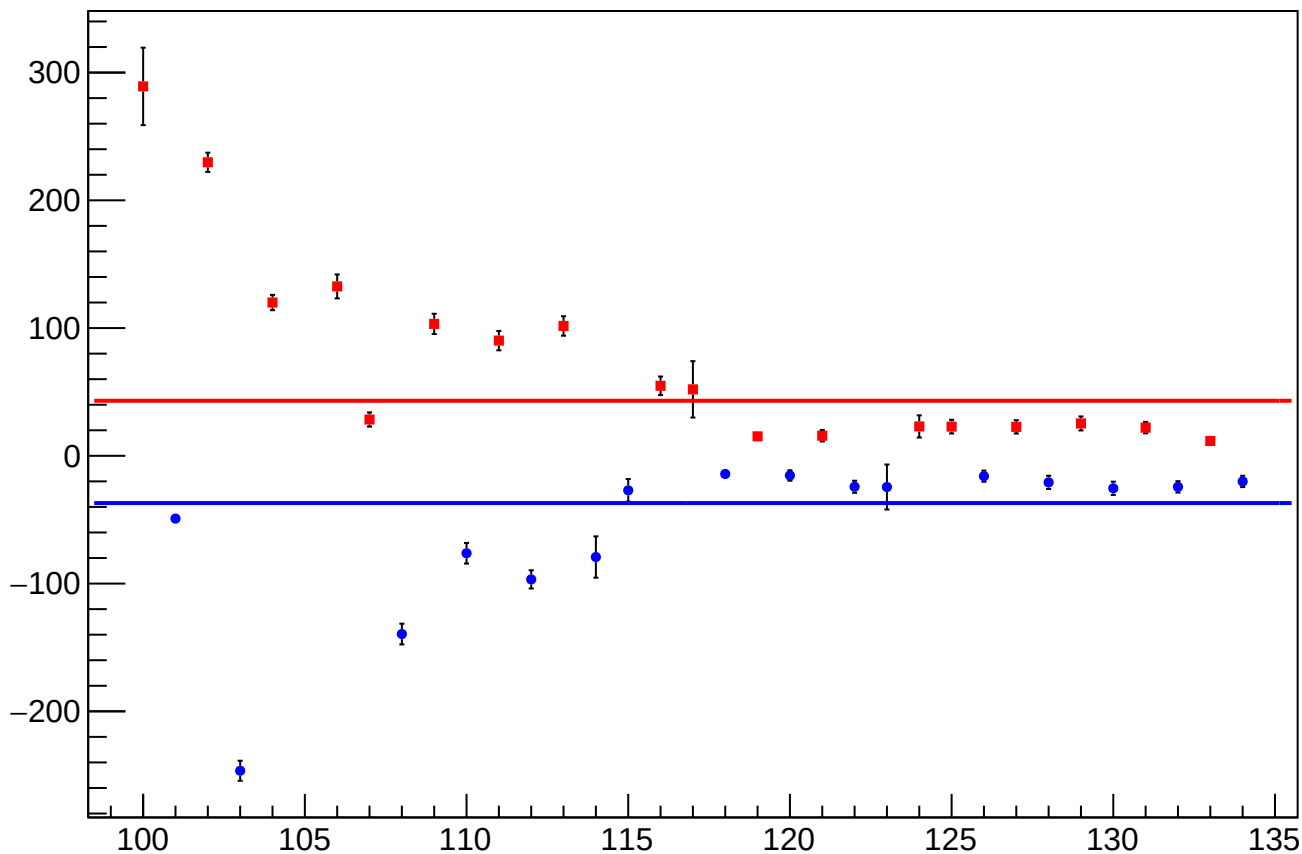
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-114.380 \pm 2.274$   $\chi^2/\text{NDF}: 192.2/15$

$-0.685 \pm 1.602$   $\chi^2/\text{NDF}: 5479.9/33$

$111.528 \pm 2.259$   $\chi^2/\text{NDF}: 319.1/17$

reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-36.974 \pm 1.305$   $\chi^2/\text{NDF}: 1128.3/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $43.106 \pm 1.368$   $\chi^2/\text{NDF}: 1341.4/17$

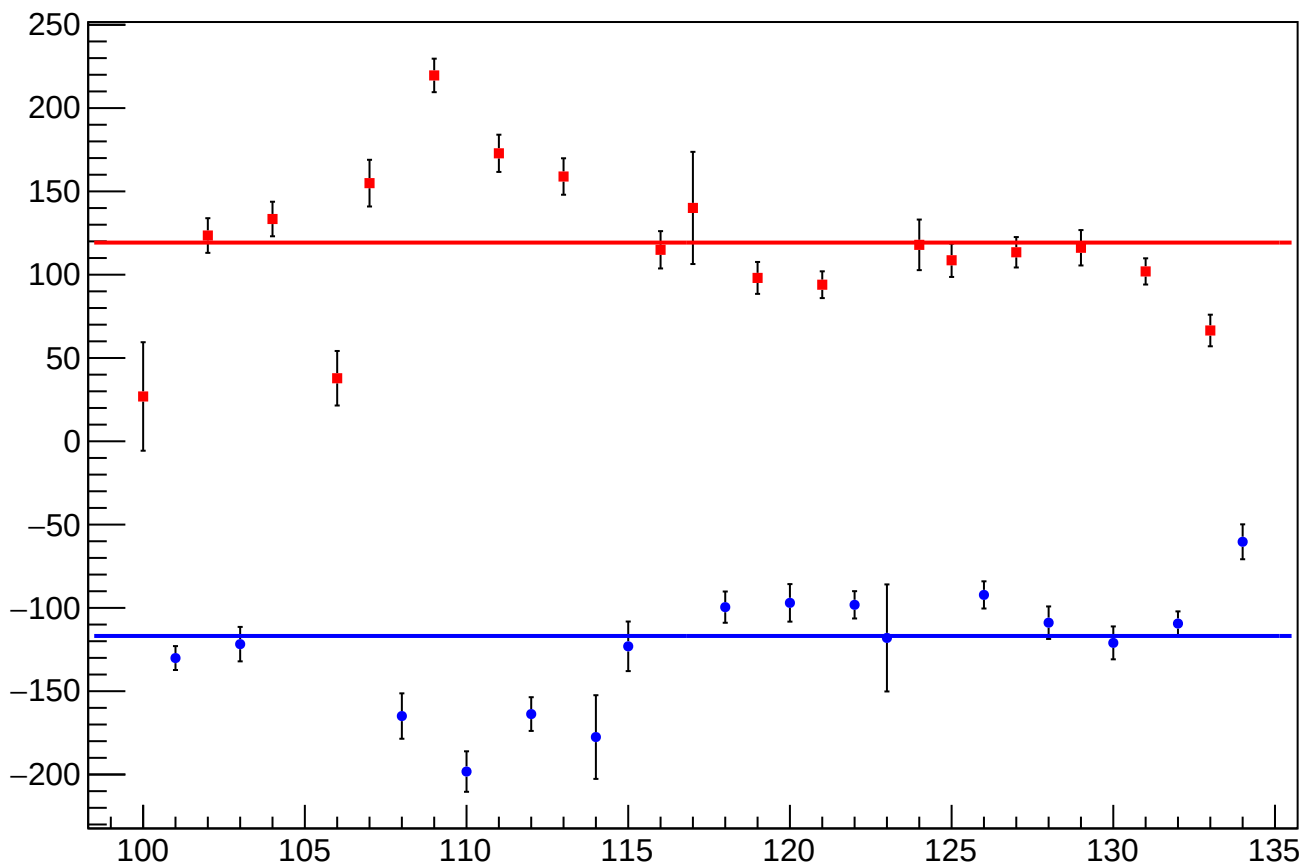
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-36.974 \pm 1.305$   $\chi^2/\text{NDF}: 1128.3/15$

$1.156 \pm 0.944$   $\chi^2/\text{NDF}: 4263.5/33$

$43.106 \pm 1.368$   $\chi^2/\text{NDF}: 1341.4/17$

reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -116.844 $\pm$ 2.536  $\chi^2$ /NDF: 140.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 119.268 $\pm$ 2.563  $\chi^2$ /NDF: 229.7/17

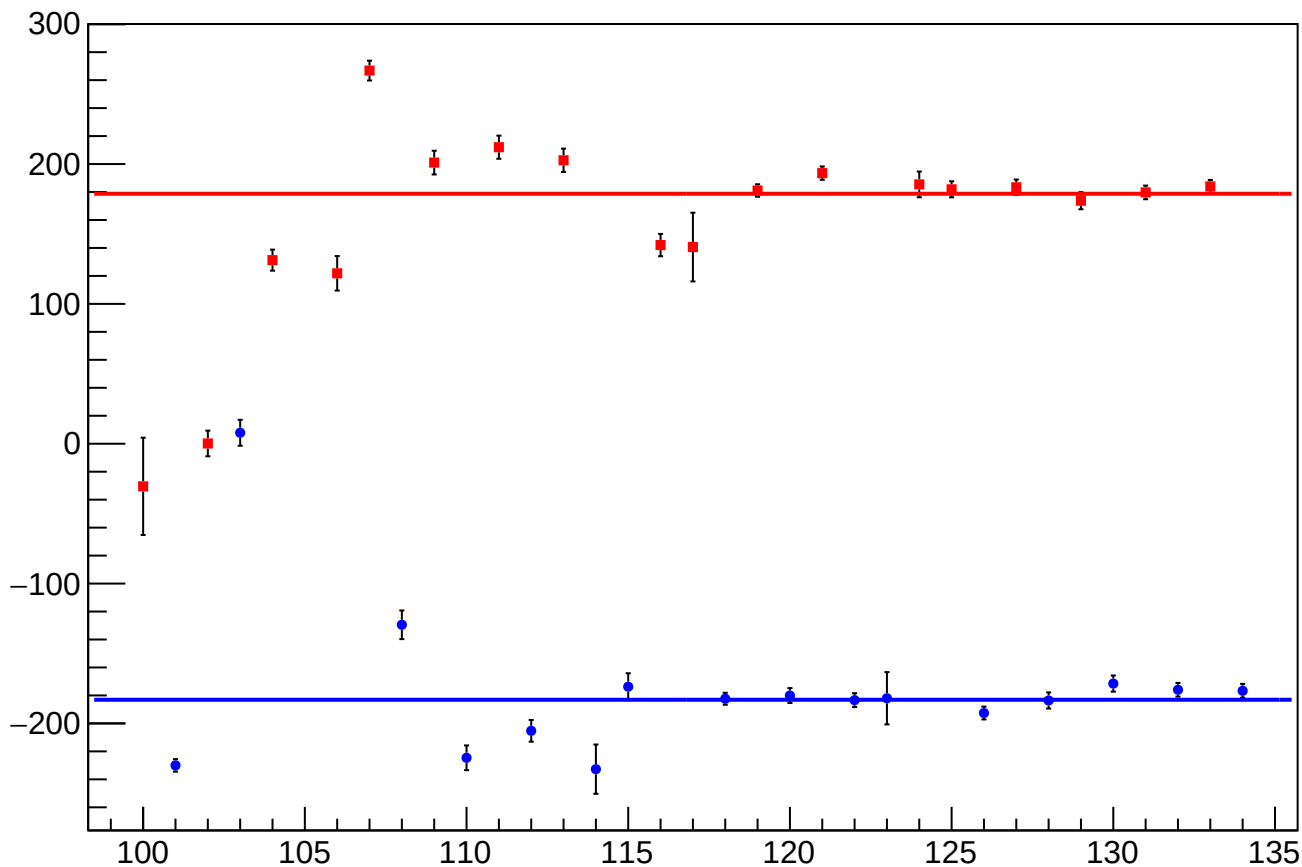
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-116.844 $\pm$ 2.536  $\chi^2$ /NDF: 140.2/15

-0.044 $\pm$ 1.803  $\chi^2$ /NDF: 4658.5/33

119.268 $\pm$ 2.563  $\chi^2$ /NDF: 229.7/17

reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -183.082+/-1.510  $\chi^2$ /NDF: 612.1/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 178.745+/-1.578  $\chi^2$ /NDF: 698.7/17

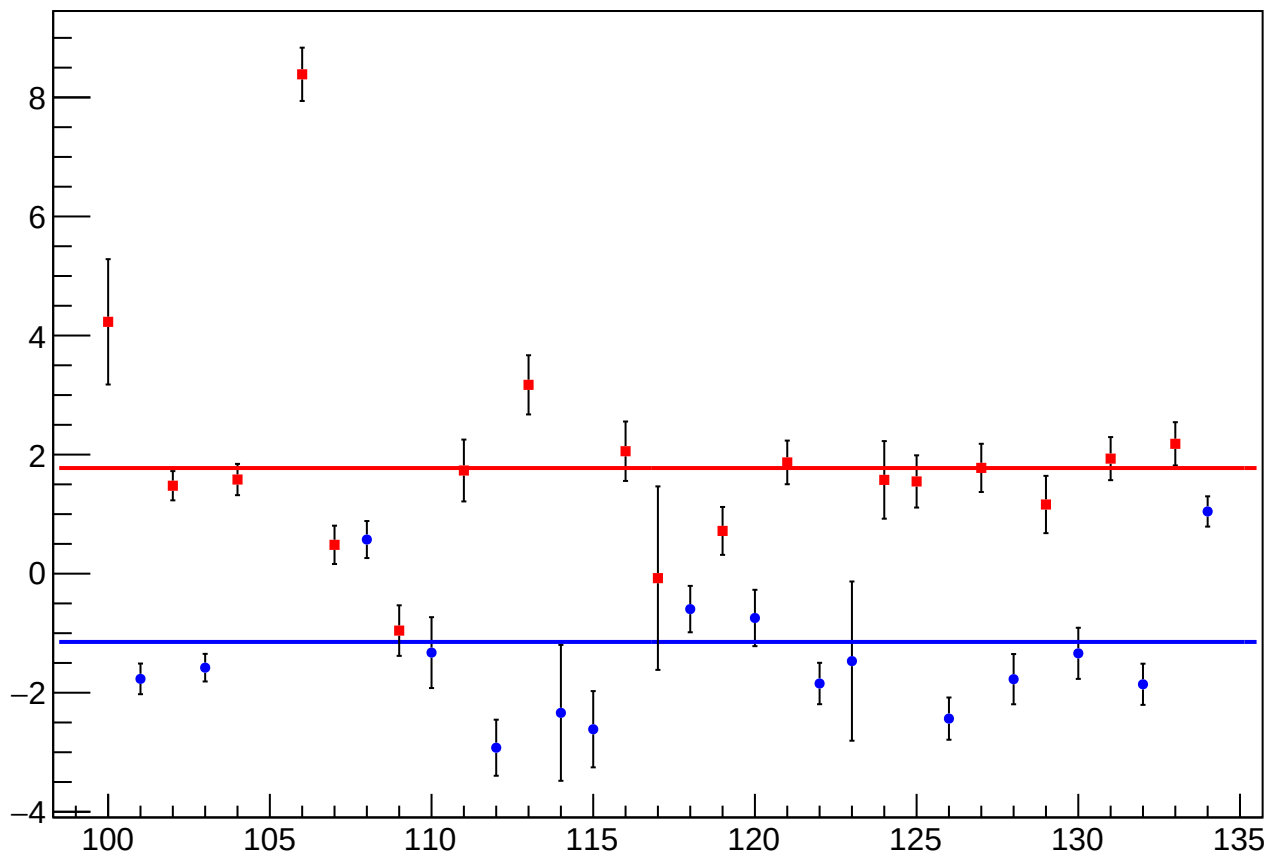
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-183.082+/-1.510  $\chi^2$ /NDF: 612.1/15

-10.090+/-1.091  $\chi^2$ /NDF: 28747.2/33

178.745+/-1.578  $\chi^2$ /NDF: 698.7/17

reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-1.147 \pm 0.092$   $\chi^2/\text{NDF}: 161.5/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $1.774 \pm 0.095$   $\chi^2/\text{NDF}: 303.2/17$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

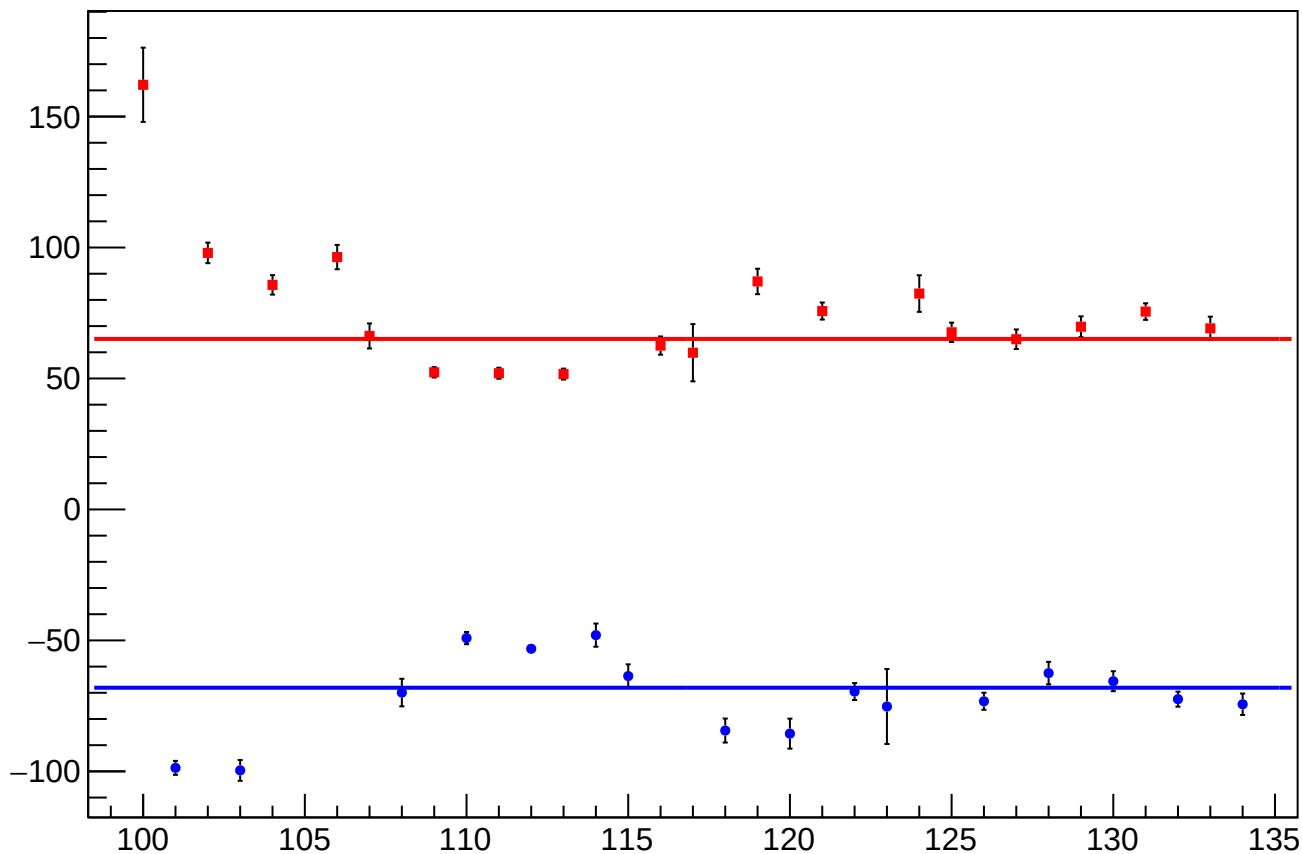
$-1.147 \pm 0.092$   $\chi^2/\text{NDF}: 161.5/15$

$0.274 \pm 0.066$   $\chi^2/\text{NDF}: 951.7/33$

$1.774 \pm 0.095$   $\chi^2/\text{NDF}: 303.2/17$



reg\_asym\_sam3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-68.067 \pm 0.853$   $\chi^2/\text{NDF}$ : 374.2/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $65.097 \pm 0.802$   $\chi^2/\text{NDF}$ : 366.8/17

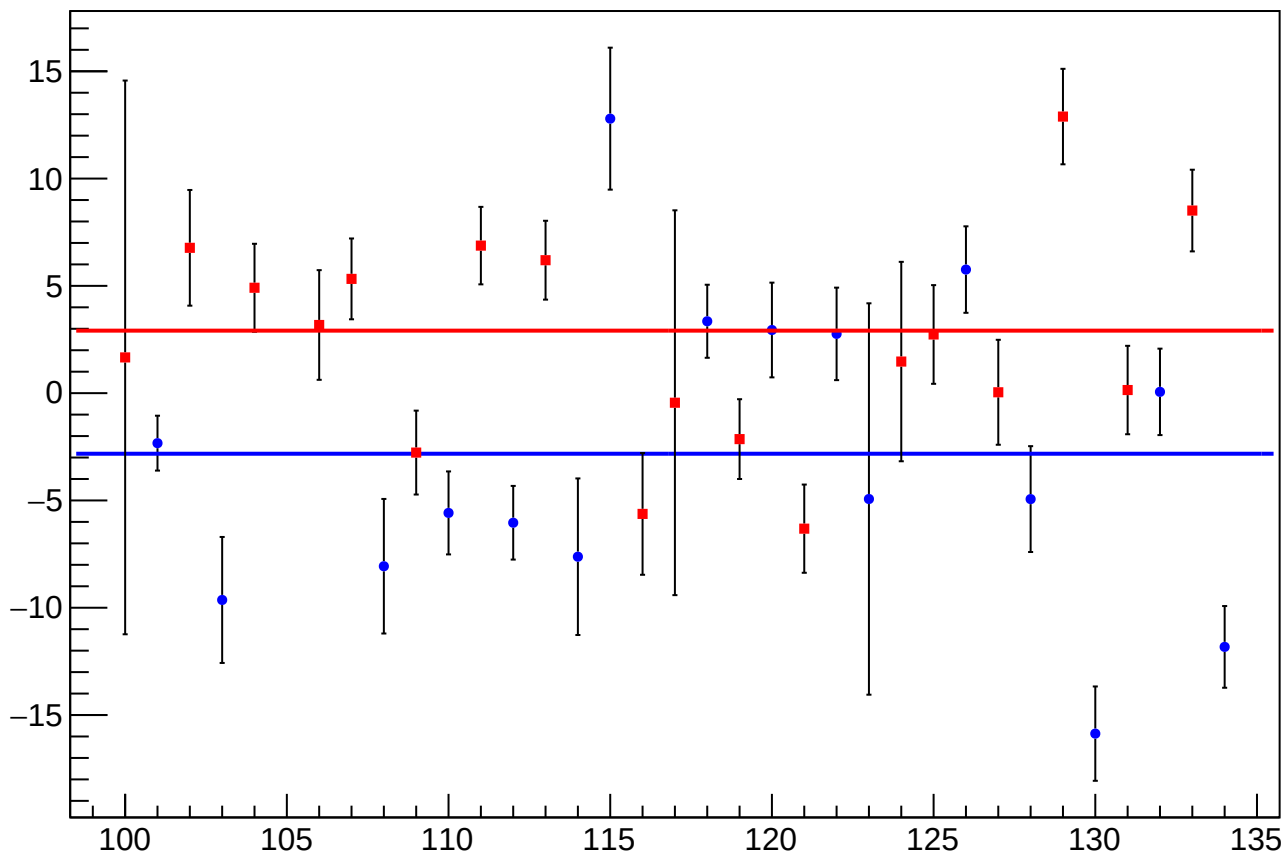
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-68.067 \pm 0.853$   $\chi^2/\text{NDF}$ : 374.2/15

$2.643 \pm 0.584$   $\chi^2/\text{NDF}$ : 13678.1/33

$65.097 \pm 0.802$   $\chi^2/\text{NDF}$ : 366.8/17

reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-2.823 \pm 0.533$   $\chi^2/\text{NDF}: 143.1/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $2.913 \pm 0.538$   $\chi^2/\text{NDF}: 89.9/17$

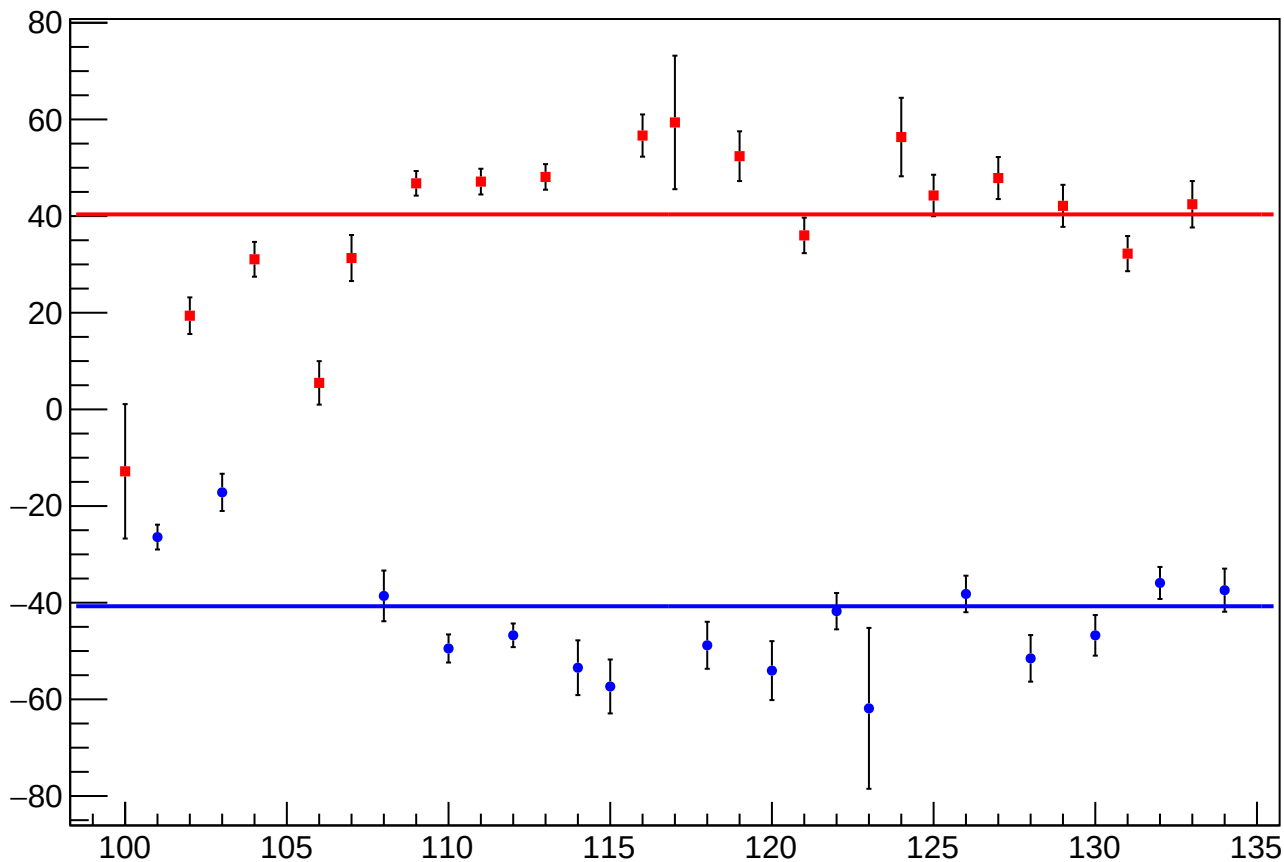
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-2.823 \pm 0.533$   $\chi^2/\text{NDF}: 143.1/15$

$0.021 \pm 0.378$   $\chi^2/\text{NDF}: 290.4/33$

$2.913 \pm 0.538$   $\chi^2/\text{NDF}: 89.9/17$

reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-40.734 \pm 0.972$   $\chi^2/\text{NDF}$ : 117.0/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $40.351 \pm 0.934$   $\chi^2/\text{NDF}$ : 172.7/17

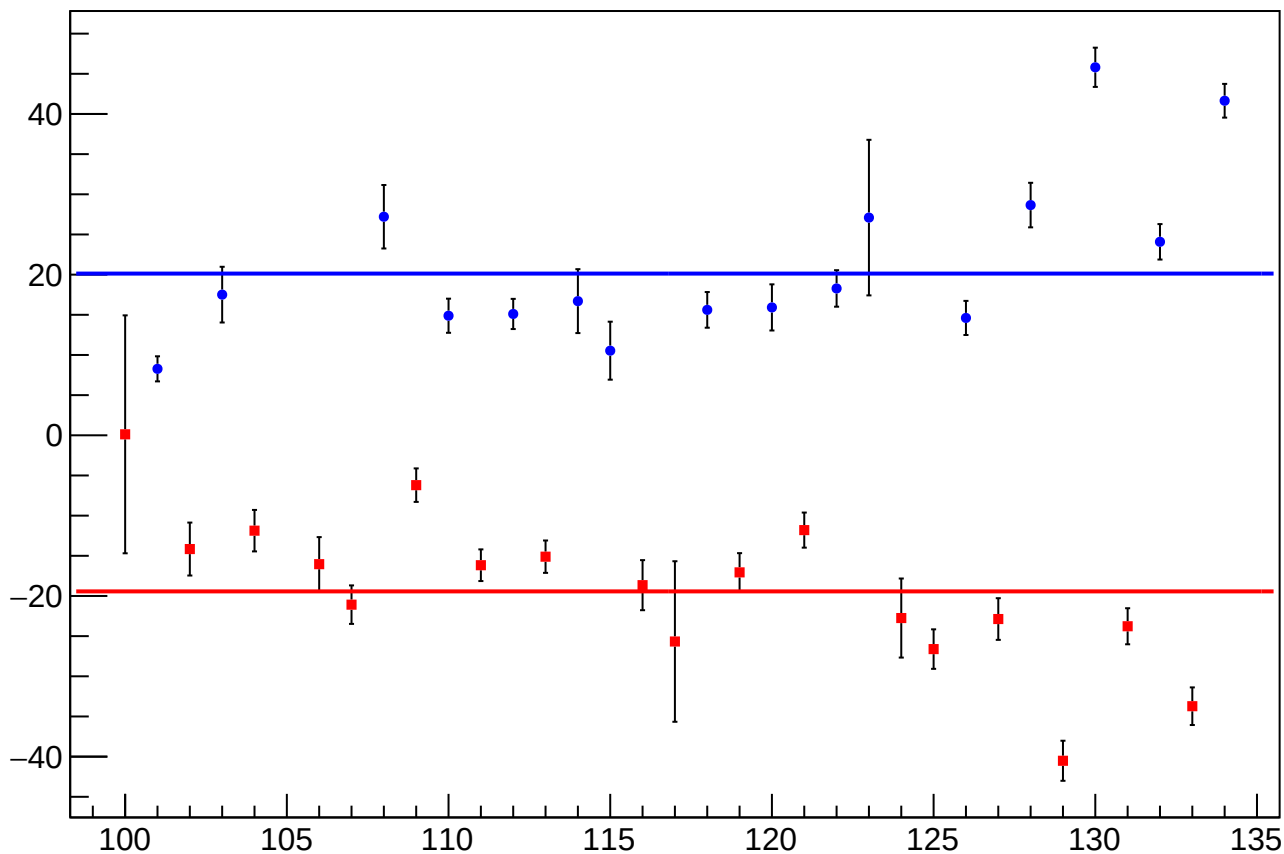
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-40.734 \pm 0.972$   $\chi^2/\text{NDF}$ : 117.0/15

$1.437 \pm 0.673$   $\chi^2/\text{NDF}$ : 3908.6/33

$40.351 \pm 0.934$   $\chi^2/\text{NDF}$ : 172.7/17

reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 20.131+/-0.611  $\chi^2$ /NDF: 325.0/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -19.430+/-0.616  $\chi^2$ /NDF: 198.8/17

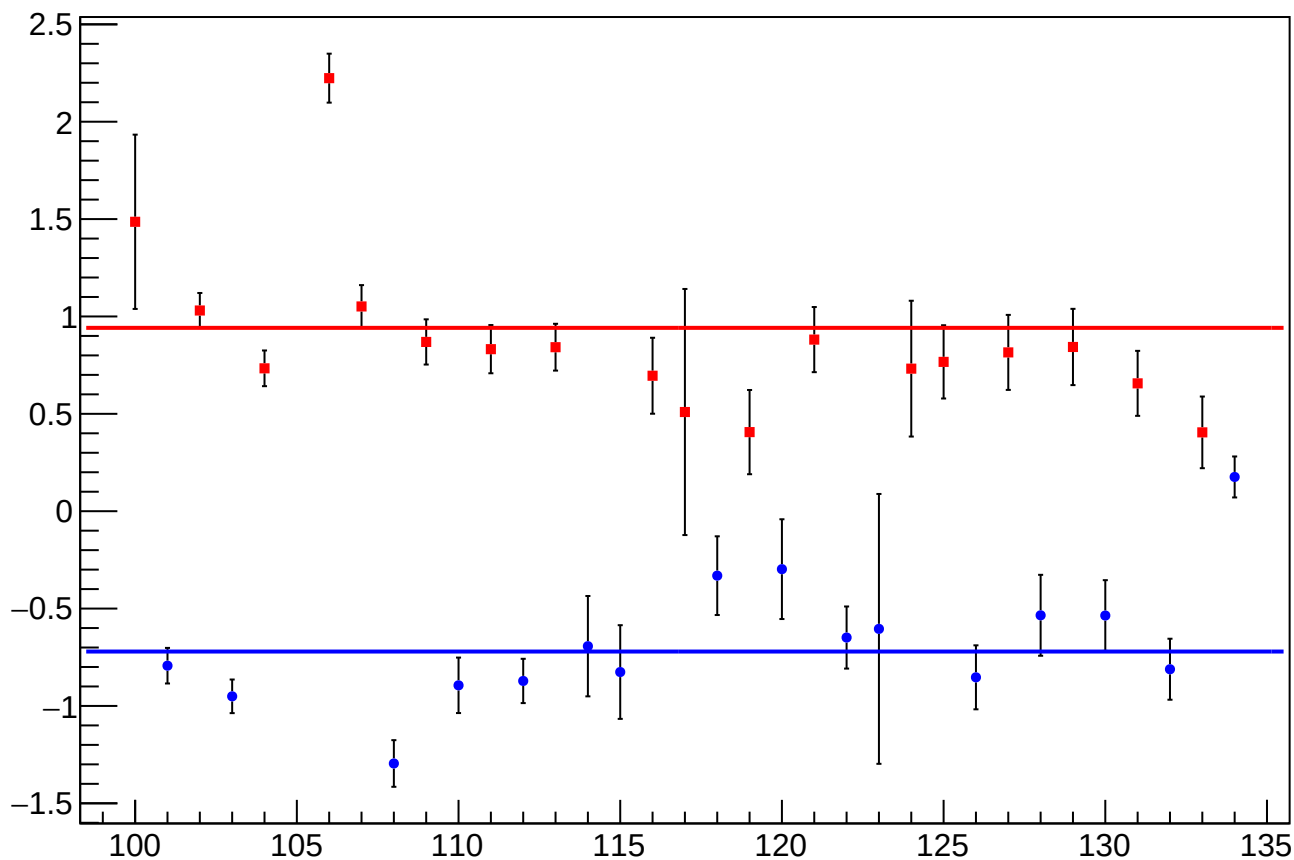
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

20.131+/-0.611  $\chi^2$ /NDF: 325.0/15

0.520+/-0.434  $\chi^2$ /NDF: 2605.1/33

-19.430+/-0.616  $\chi^2$ /NDF: 198.8/17

reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.721+/-0.036  $\chi^2/\text{NDF}$ : 116.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.941+/-0.034  $\chi^2/\text{NDF}$ : 136.1/17

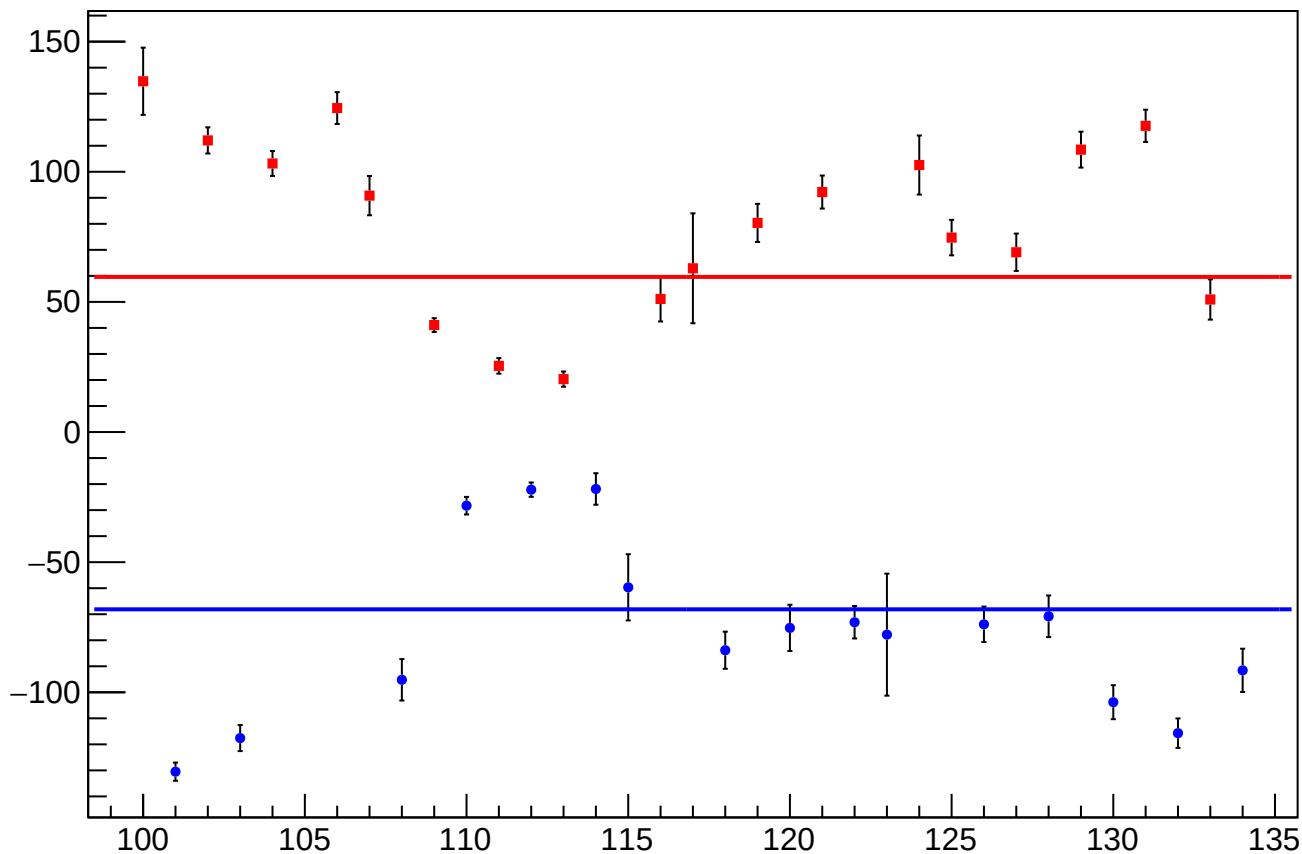
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.721+/-0.036  $\chi^2/\text{NDF}$ : 116.3/15

0.140+/-0.025  $\chi^2/\text{NDF}$ : 1376.2/33

0.941+/-0.034  $\chi^2/\text{NDF}$ : 136.1/17

reg\_asym\_sam4\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -68.113 $\pm$ 1.339  $\chi^2$ /NDF: 1020.8/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 59.600 $\pm$ 1.216  $\chi^2$ /NDF: 909.8/17

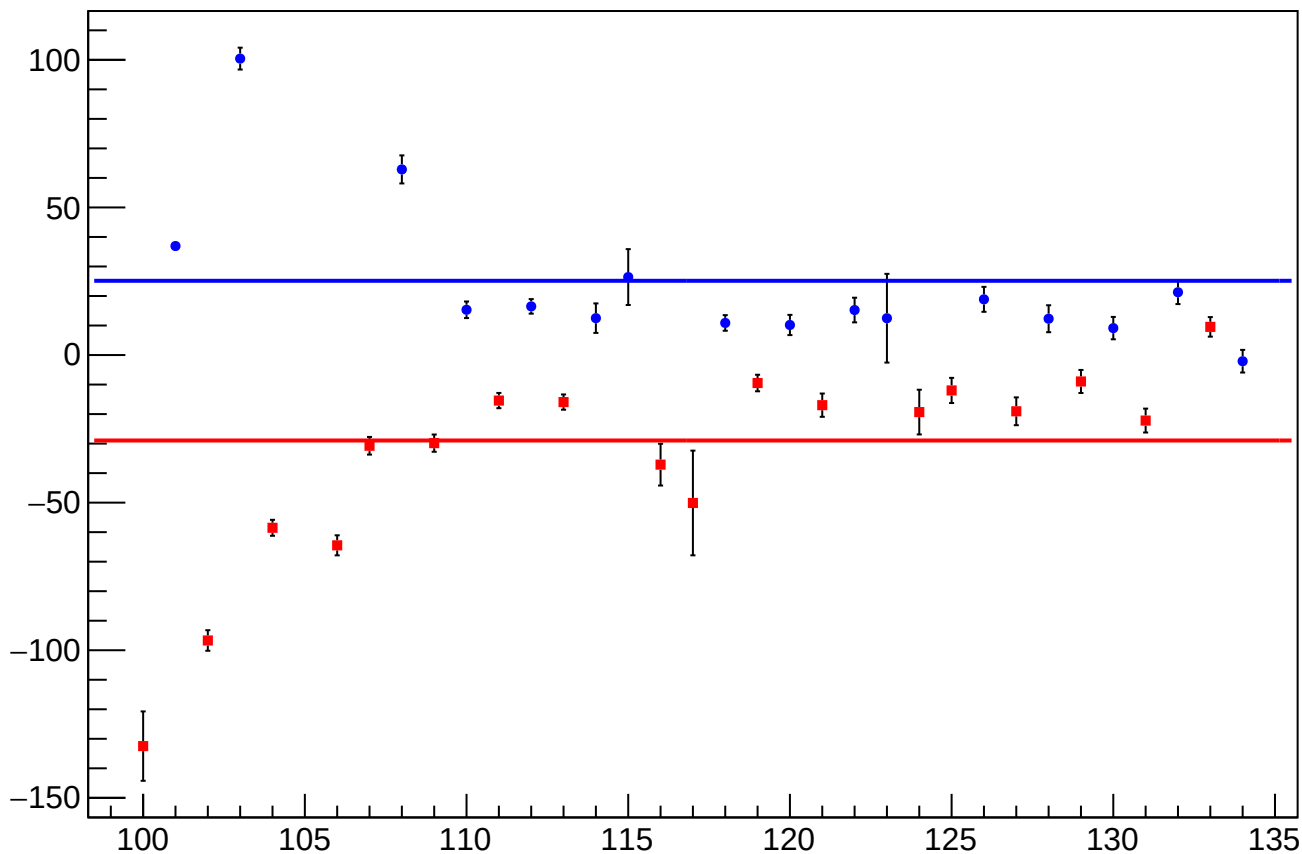
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-68.113 $\pm$ 1.339  $\chi^2$ /NDF: 1020.8/15

1.886 $\pm$ 0.900  $\chi^2$ /NDF: 6913.2/33

59.600 $\pm$ 1.216  $\chi^2$ /NDF: 909.8/17

reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 25.153+/-0.844  $\chi^2$ /NDF: 689.5/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -28.945+/-0.848  $\chi^2$ /NDF: 983.9/17

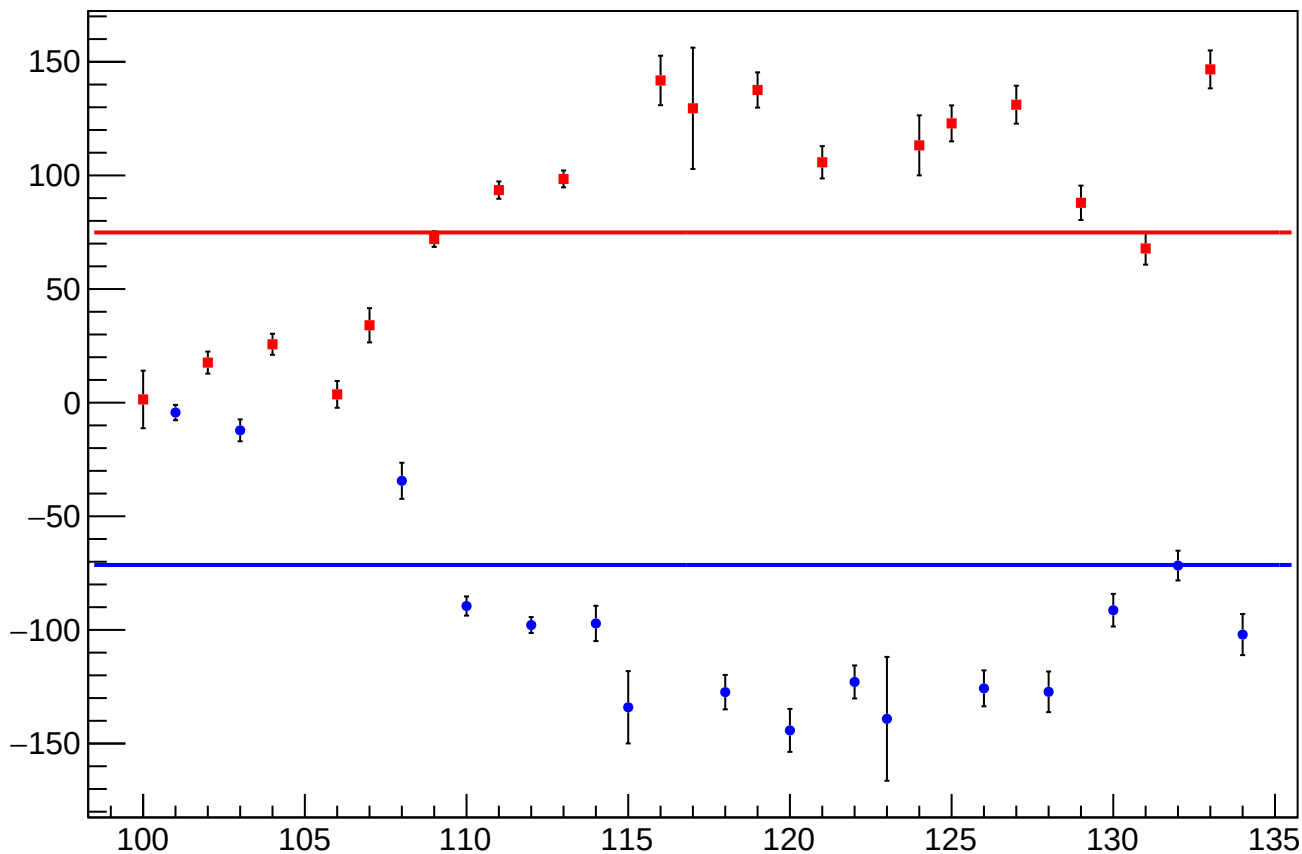
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

25.153+/-0.844  $\chi^2$ /NDF: 689.5/15

-1.770+/-0.598  $\chi^2$ /NDF: 3718.2/33

-28.945+/-0.848  $\chi^2$ /NDF: 983.9/17

reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -71.419+/-1.512  $\chi^2/\text{NDF}$ : 945.8/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 74.918+/-1.413  $\chi^2/\text{NDF}$ : 820.3/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

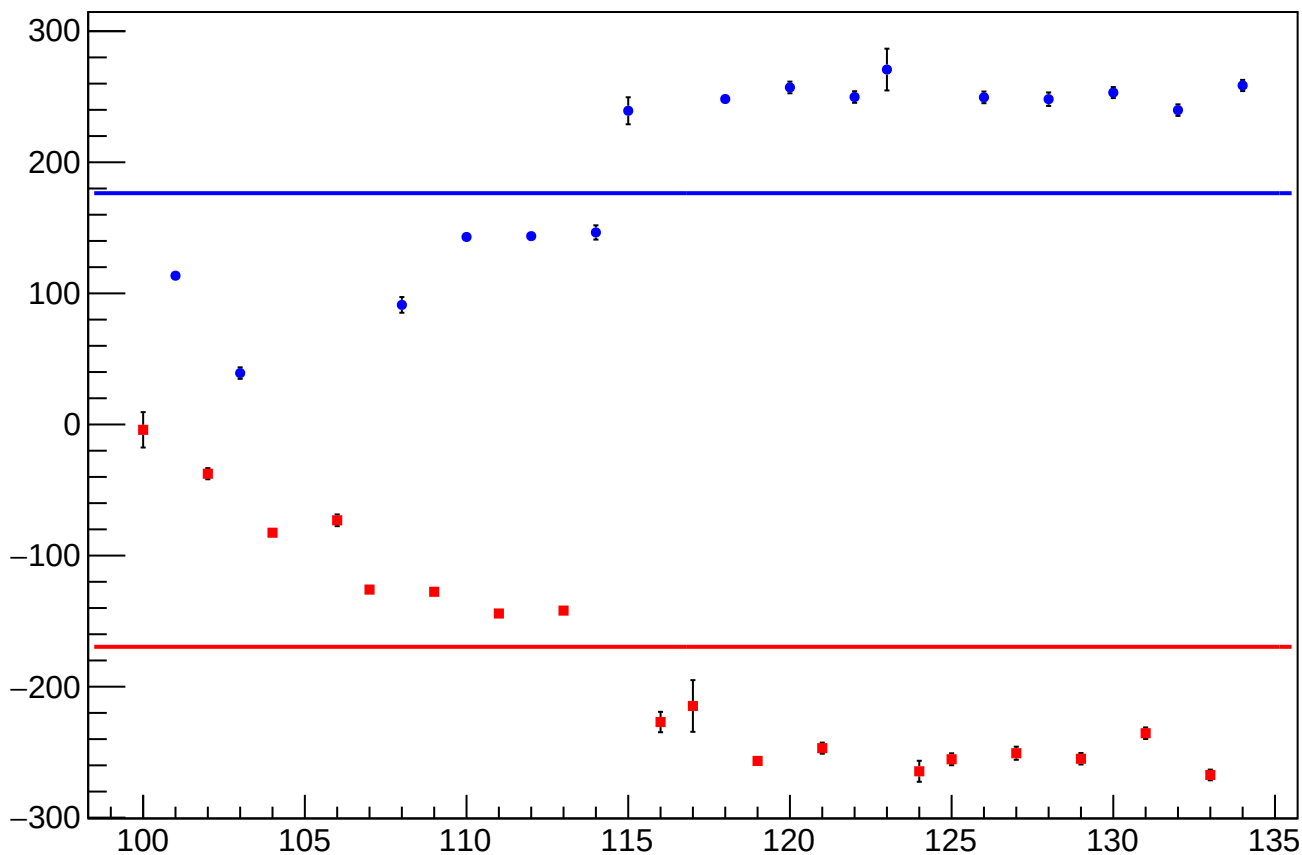
-71.419+/-1.512  $\chi^2/\text{NDF}$ : 945.8/15

6.703+/-1.033  $\chi^2/\text{NDF}$ : 6764.7/33

74.918+/-1.413  $\chi^2/\text{NDF}$ : 820.3/17



reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 176.429+/-0.979  $\chi^2/\text{NDF}$ : 4901.7/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -169.580+/-0.978  $\chi^2/\text{NDF}$ : 5655.1/17

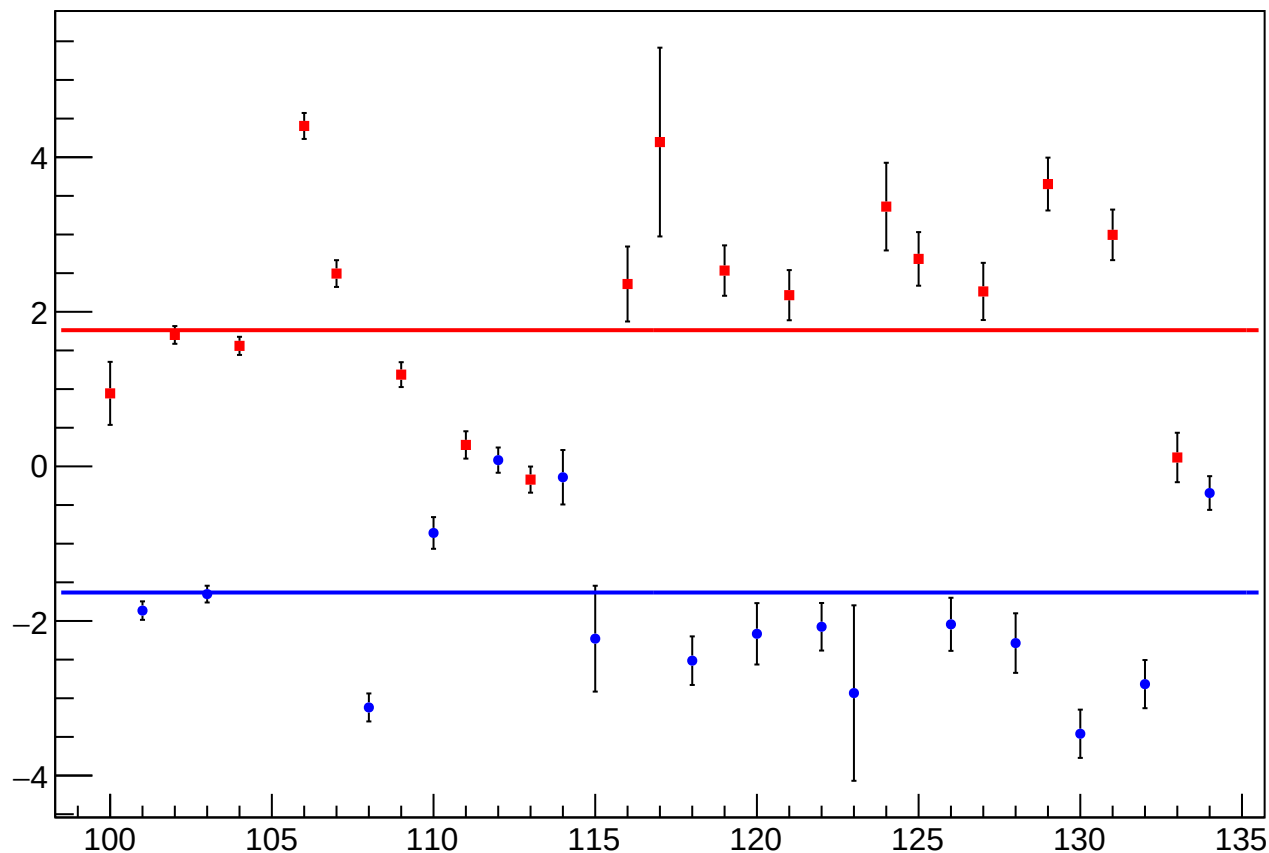
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

176.429+/-0.979  $\chi^2/\text{NDF}$ : 4901.7/15

3.339+/-0.692  $\chi^2/\text{NDF}$ : 73075.1/33

-169.580+/-0.978  $\chi^2/\text{NDF}$ : 5655.1/17

reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.632+/-0.054  $\chi^2/\text{NDF}$ : 315.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.762+/-0.050  $\chi^2/\text{NDF}$ : 587.8/17

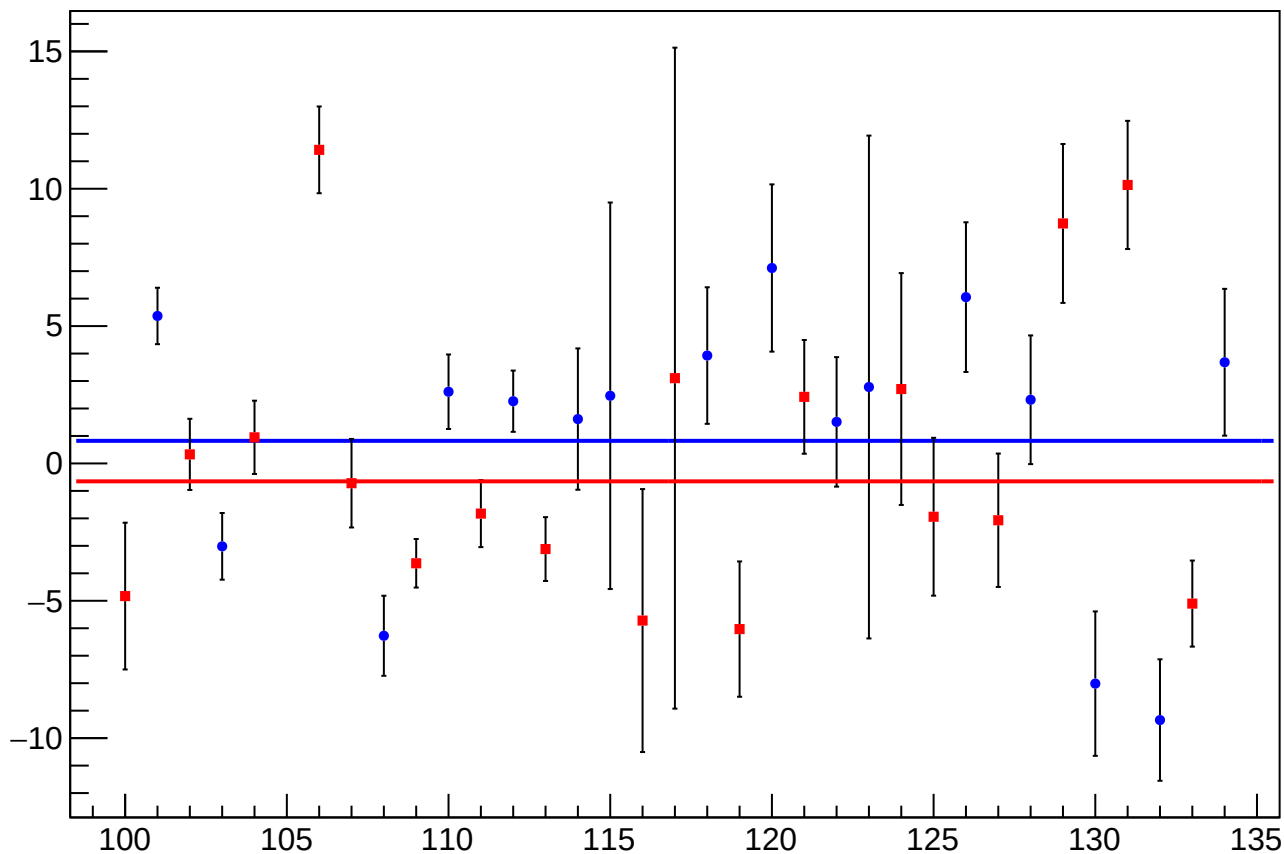
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.632+/-0.054  $\chi^2/\text{NDF}$ : 315.1/15

0.197+/-0.037  $\chi^2/\text{NDF}$ : 3023.7/33

1.762+/-0.050  $\chi^2/\text{NDF}$ : 587.8/17

reg\_asym\_sam5\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $0.822 \pm 0.452$   $\chi^2/\text{NDF}$ : 100.5/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.652 \pm 0.399$   $\chi^2/\text{NDF}$ : 129.1/17

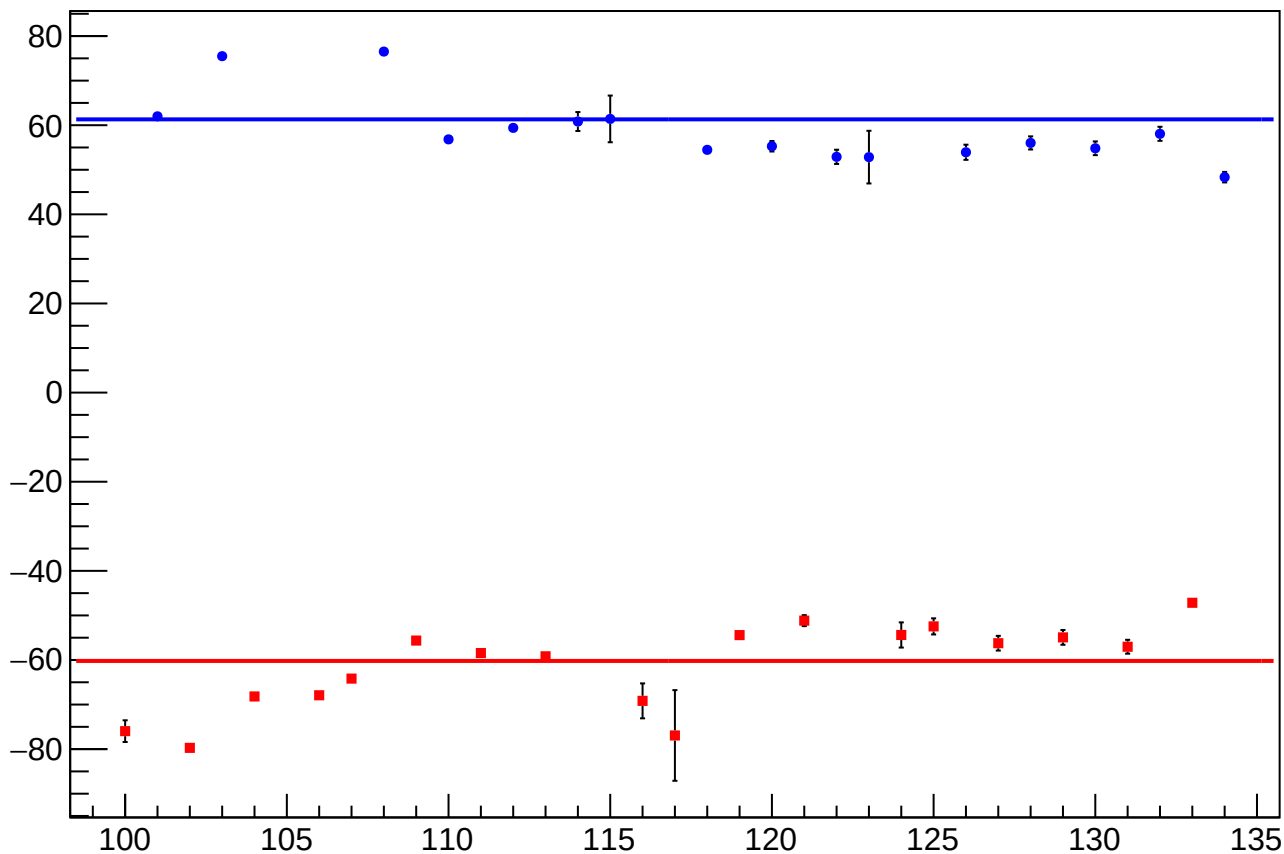
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$0.822 \pm 0.452$   $\chi^2/\text{NDF}$ : 100.5/15

$-0.007 \pm 0.299$   $\chi^2/\text{NDF}$ : 235.6/33

$-0.652 \pm 0.399$   $\chi^2/\text{NDF}$ : 129.1/17

reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 61.310+/-0.275  $\chi^2$ /NDF: 853.1/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -60.213+/-0.259  $\chi^2$ /NDF: 1223.0/17

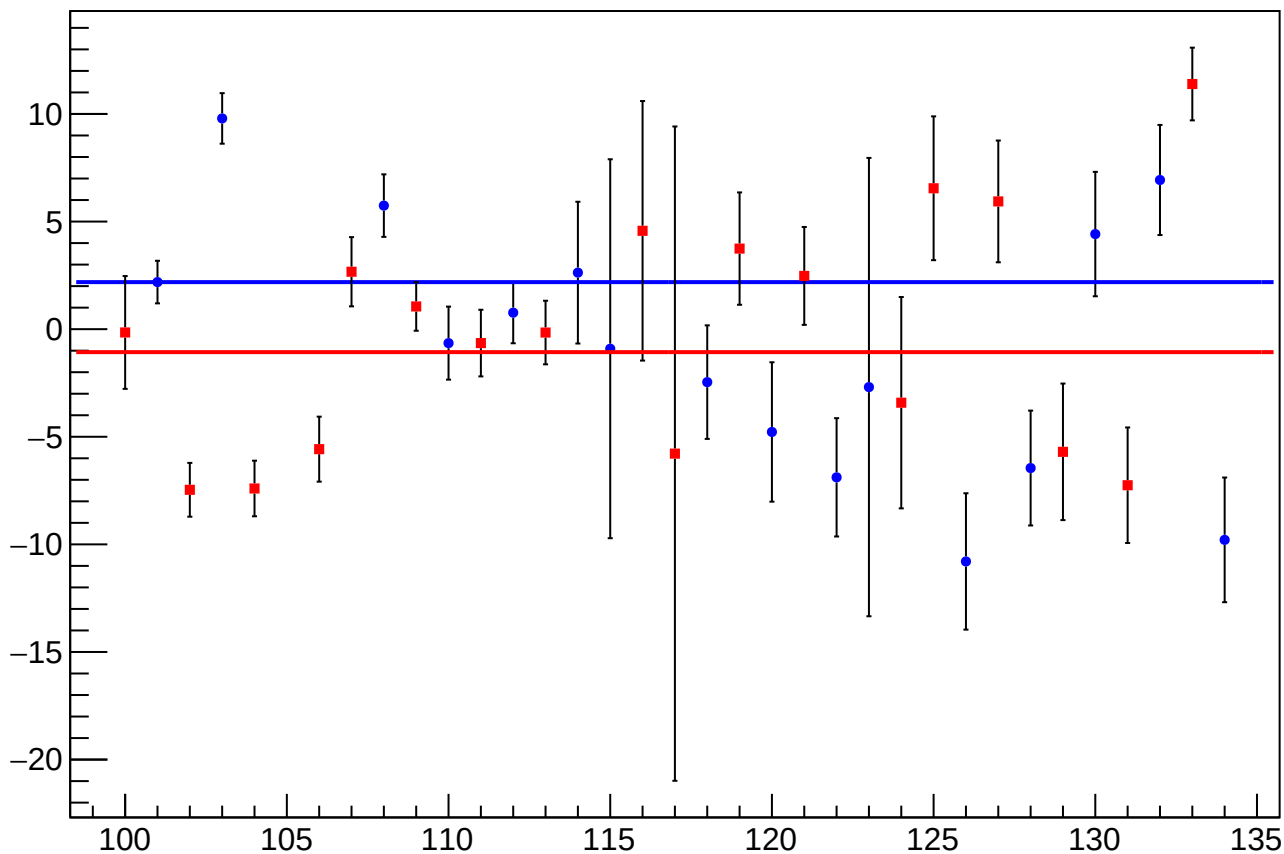
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

61.310+/-0.275  $\chi^2$ /NDF: 853.1/15

-3.224+/-0.189  $\chi^2$ /NDF: 105573.4/33

-60.213+/-0.259  $\chi^2$ /NDF: 1223.0/17

reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.186 $\pm$ 0.489  $\chi^2$ /NDF: 119.1/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.067 $\pm$ 0.443  $\chi^2$ /NDF: 148.8/17

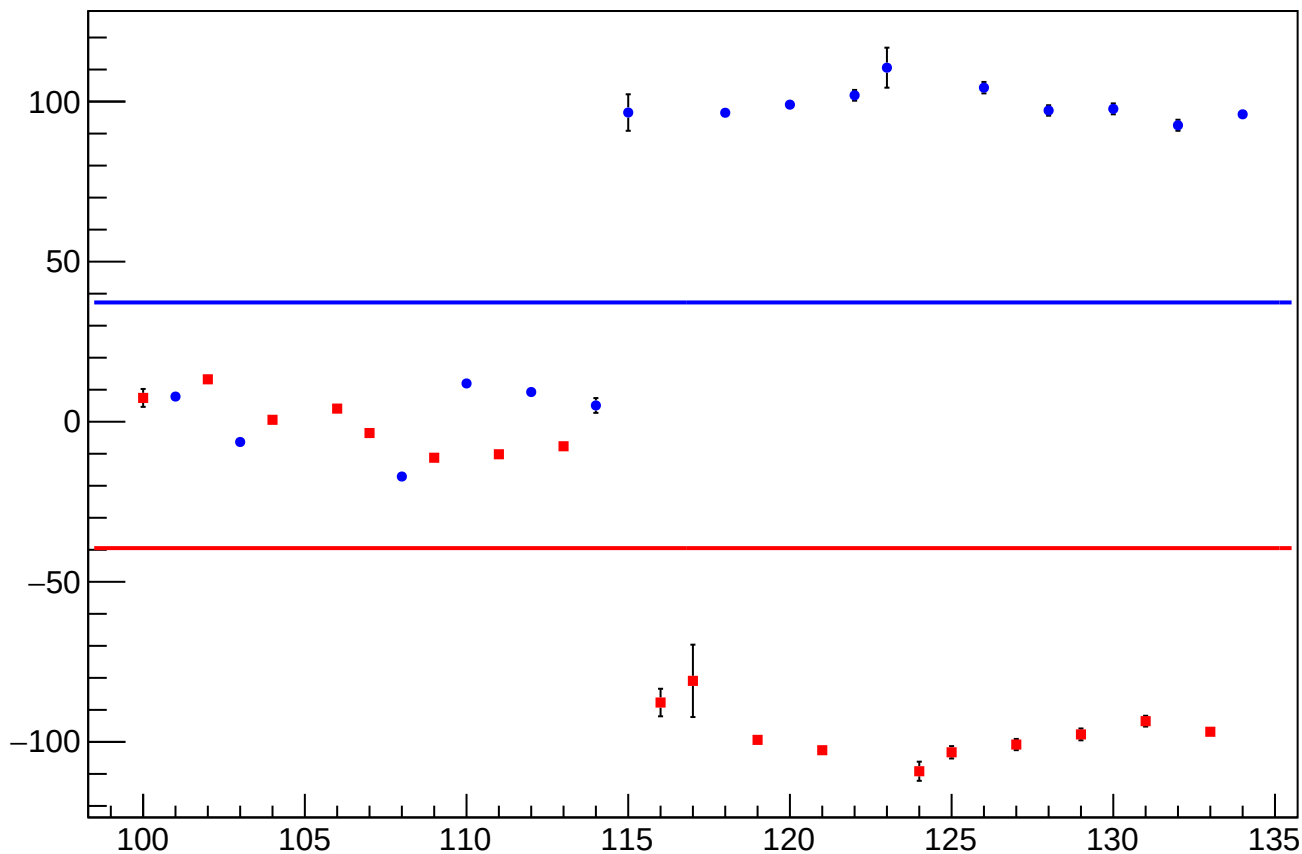
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2.186 $\pm$ 0.489  $\chi^2$ /NDF: 119.1/15

0.401 $\pm$ 0.329  $\chi^2$ /NDF: 292.2/33

-1.067 $\pm$ 0.443  $\chi^2$ /NDF: 148.8/17

reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 37.254+/-0.325  $\chi^2/\text{NDF}$ : 20293.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -39.476+/-0.306  $\chi^2/\text{NDF}$ : 23965.3/17

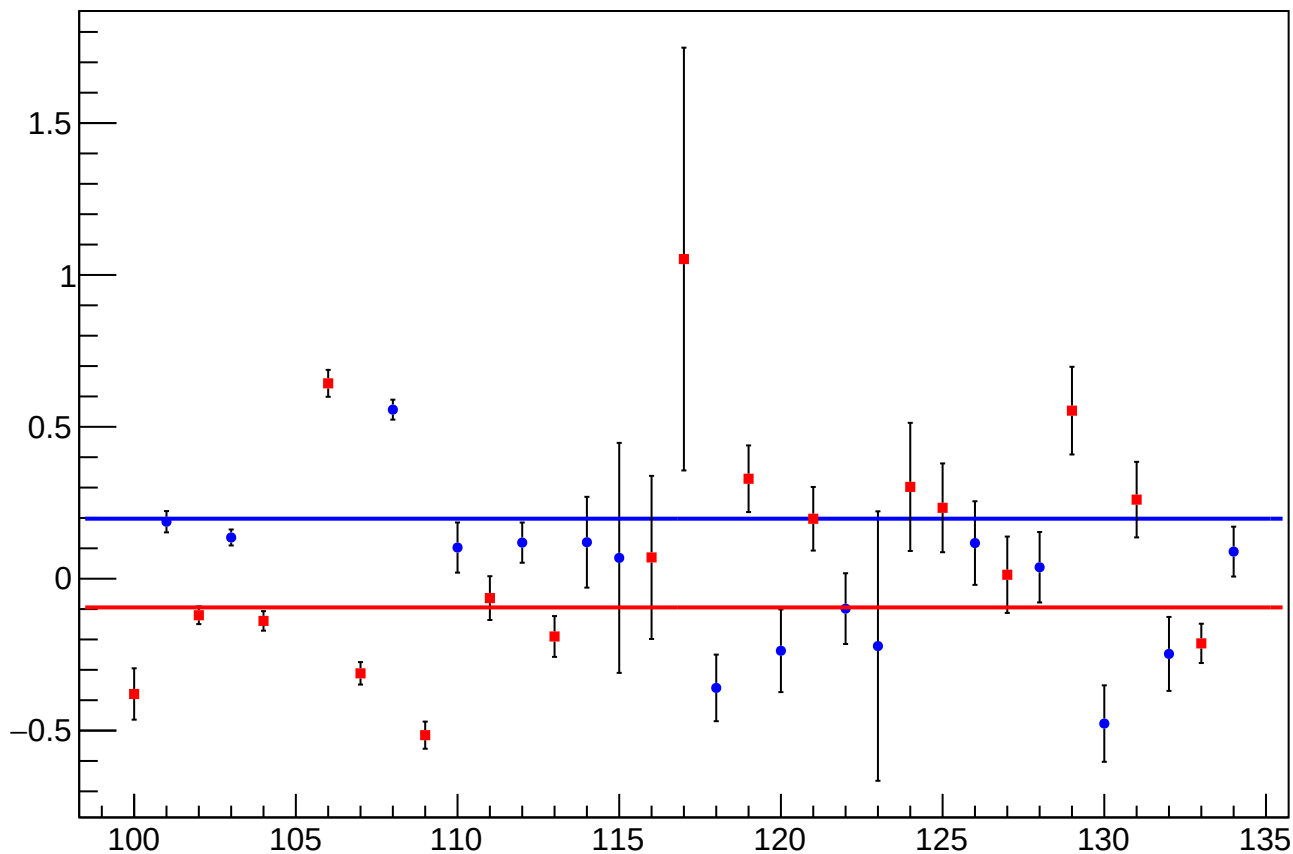
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

37.254+/-0.325  $\chi^2/\text{NDF}$ : 20293.4/15

-3.389+/-0.223  $\chi^2/\text{NDF}$ : 73774.8/33

-39.476+/-0.306  $\chi^2/\text{NDF}$ : 23965.3/17

reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.198 $\pm$ 0.015  $\chi^2$ /NDF: 217.5/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.094 $\pm$ 0.014  $\chi^2$ /NDF: 483.1/17

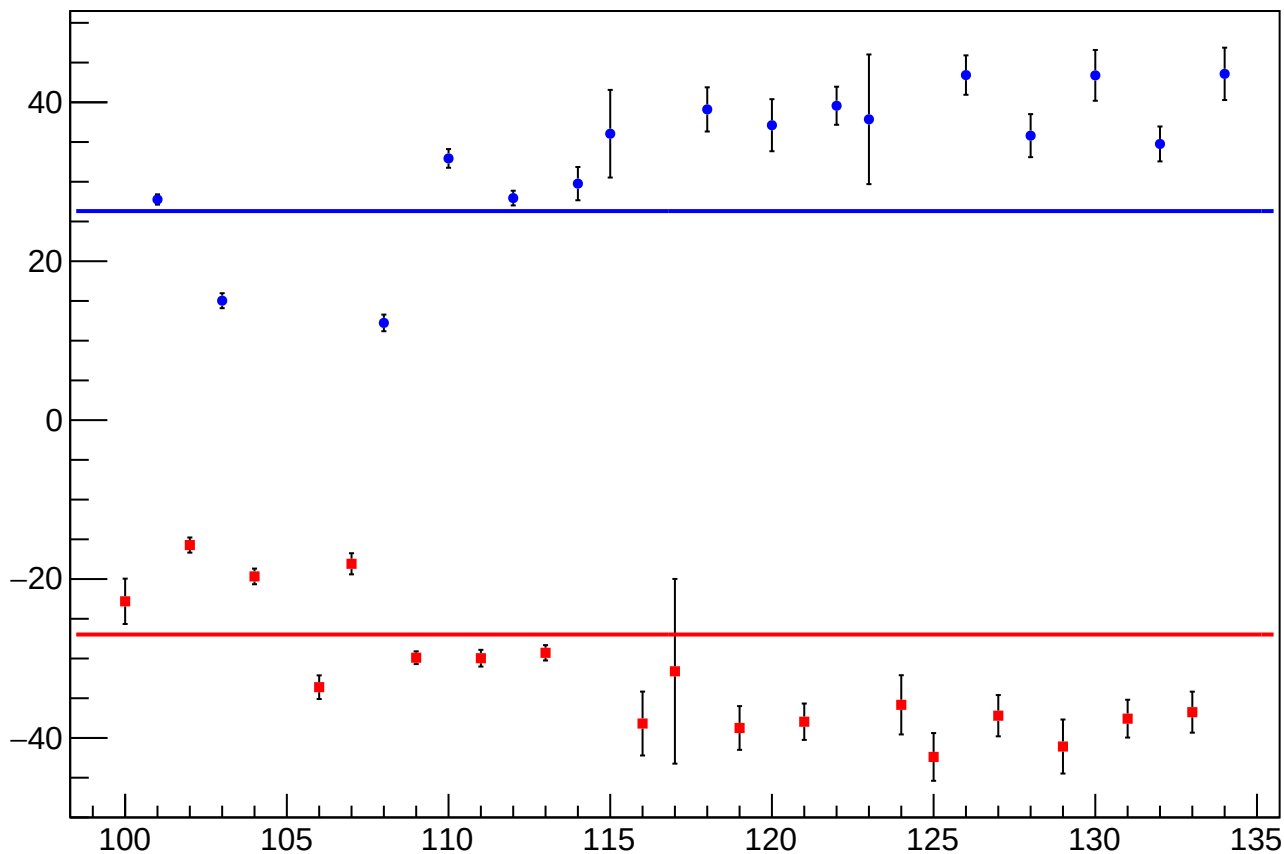
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.198 $\pm$ 0.015  $\chi^2$ /NDF: 217.5/15

0.038 $\pm$ 0.010  $\chi^2$ /NDF: 898.3/33

-0.094 $\pm$ 0.014  $\chi^2$ /NDF: 483.1/17

reg\_asym\_sam6\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 26.311+/-0.360  $\chi^2/\text{NDF}$ : 565.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -26.980+/-0.355  $\chi^2/\text{NDF}$ : 436.5/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

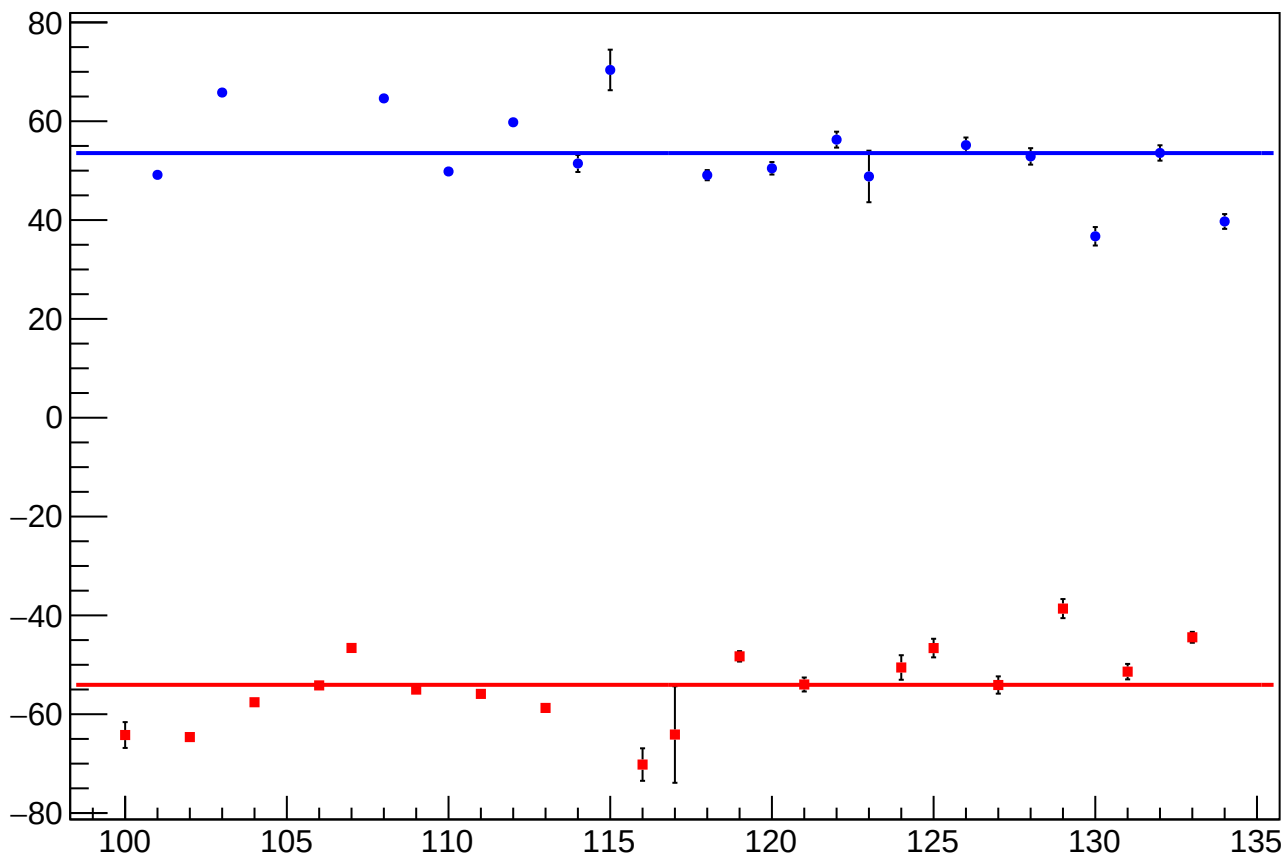
26.311+/-0.360  $\chi^2/\text{NDF}$ : 565.4/15

-0.732+/-0.253  $\chi^2/\text{NDF}$ : 12101.2/33

-26.980+/-0.355  $\chi^2/\text{NDF}$ : 436.5/17



reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 53.554+/-0.217  $\chi^2$ /NDF: 1093.1/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -54.054+/-0.235  $\chi^2$ /NDF: 737.2/17

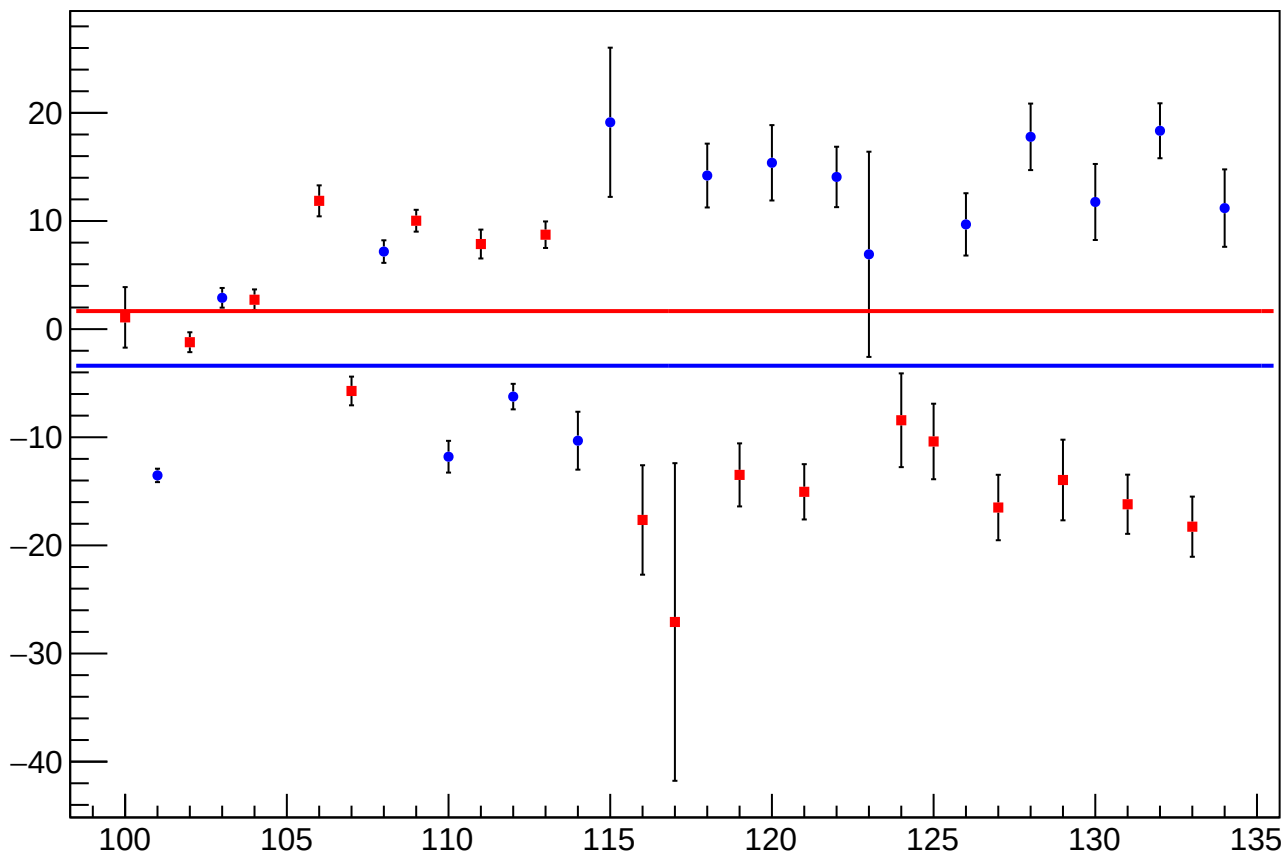
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

53.554+/-0.217  $\chi^2$ /NDF: 1093.1/15

3.875+/-0.160  $\chi^2$ /NDF: 114849.5/33

-54.054+/-0.235  $\chi^2$ /NDF: 737.2/17

reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -3.384+/-0.380  $\chi^2/\text{NDF}$ : 753.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.668+/-0.390  $\chi^2/\text{NDF}$ : 469.0/17

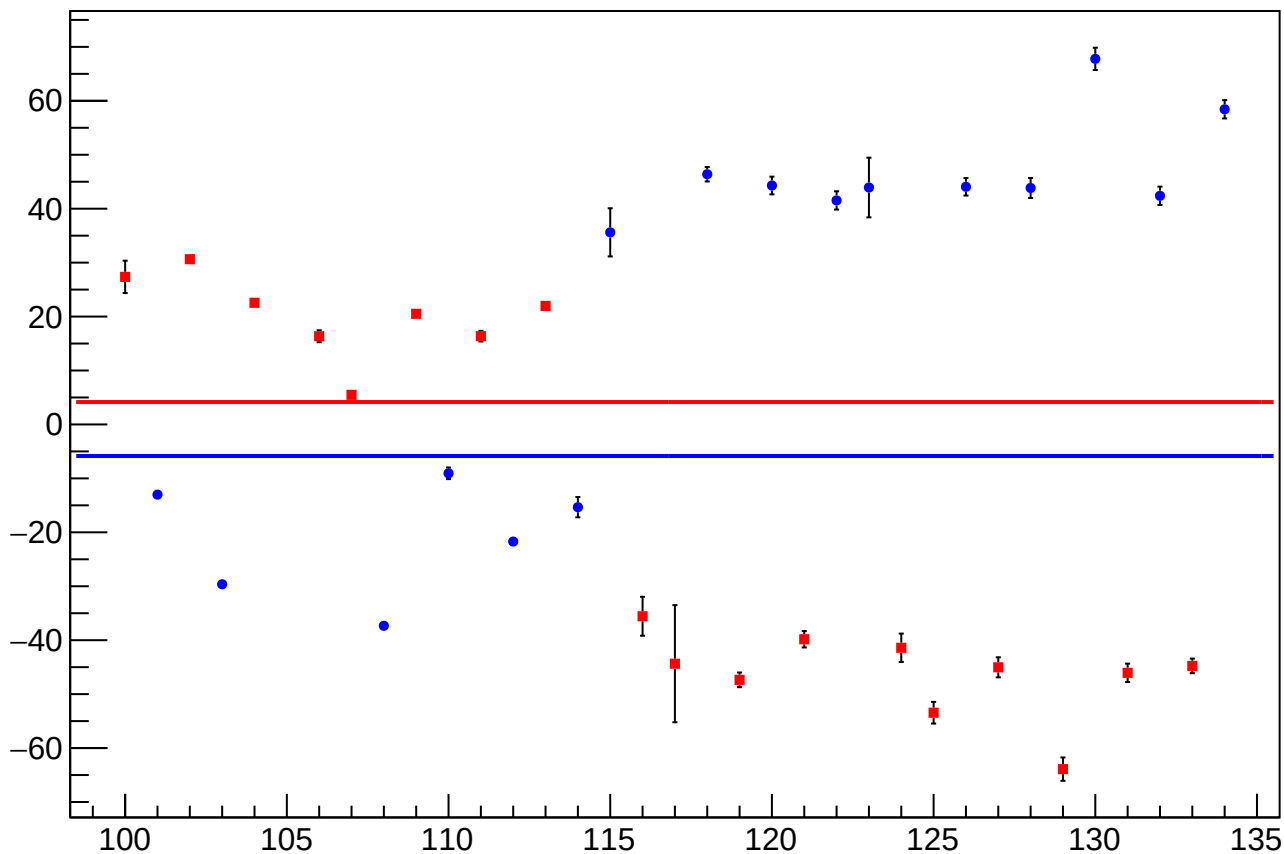
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3.384+/-0.380  $\chi^2/\text{NDF}$ : 753.1/15

-0.927+/-0.272  $\chi^2/\text{NDF}$ : 1308.1/33

1.668+/-0.390  $\chi^2/\text{NDF}$ : 469.0/17

reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-5.854 \pm 0.259$   $\chi^2/\text{NDF}: 11652.1/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $4.153 \pm 0.279$   $\chi^2/\text{NDF}: 10147.3/17$

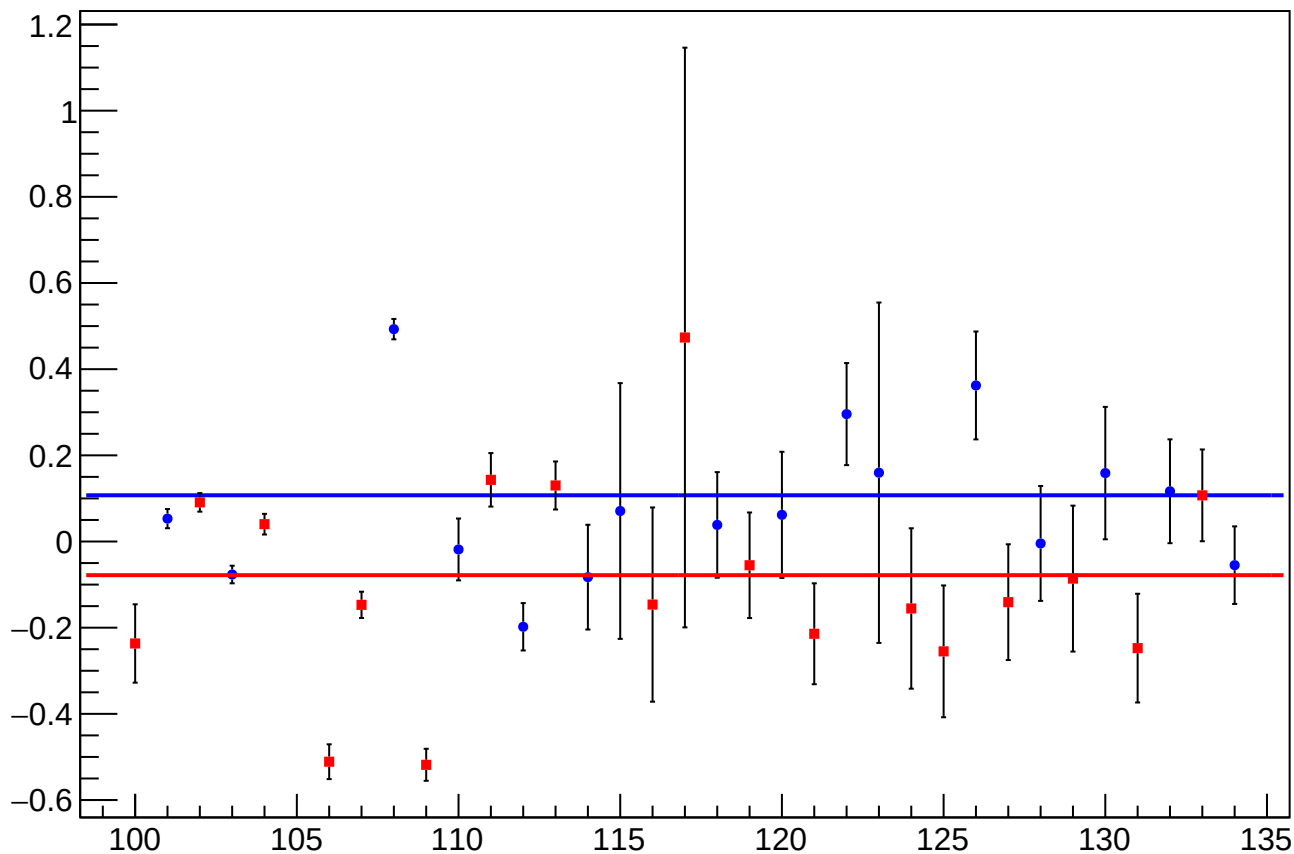
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-5.854 \pm 0.259$   $\chi^2/\text{NDF}: 11652.1/15$

$-1.238 \pm 0.190$   $\chi^2/\text{NDF}: 22489.9/33$

$4.153 \pm 0.279$   $\chi^2/\text{NDF}: 10147.3/17$

reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.107 $\pm$ 0.012  $\chi^2$ /NDF: 400.3/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.078 $\pm$ 0.012  $\chi^2$ /NDF: 384.4/17

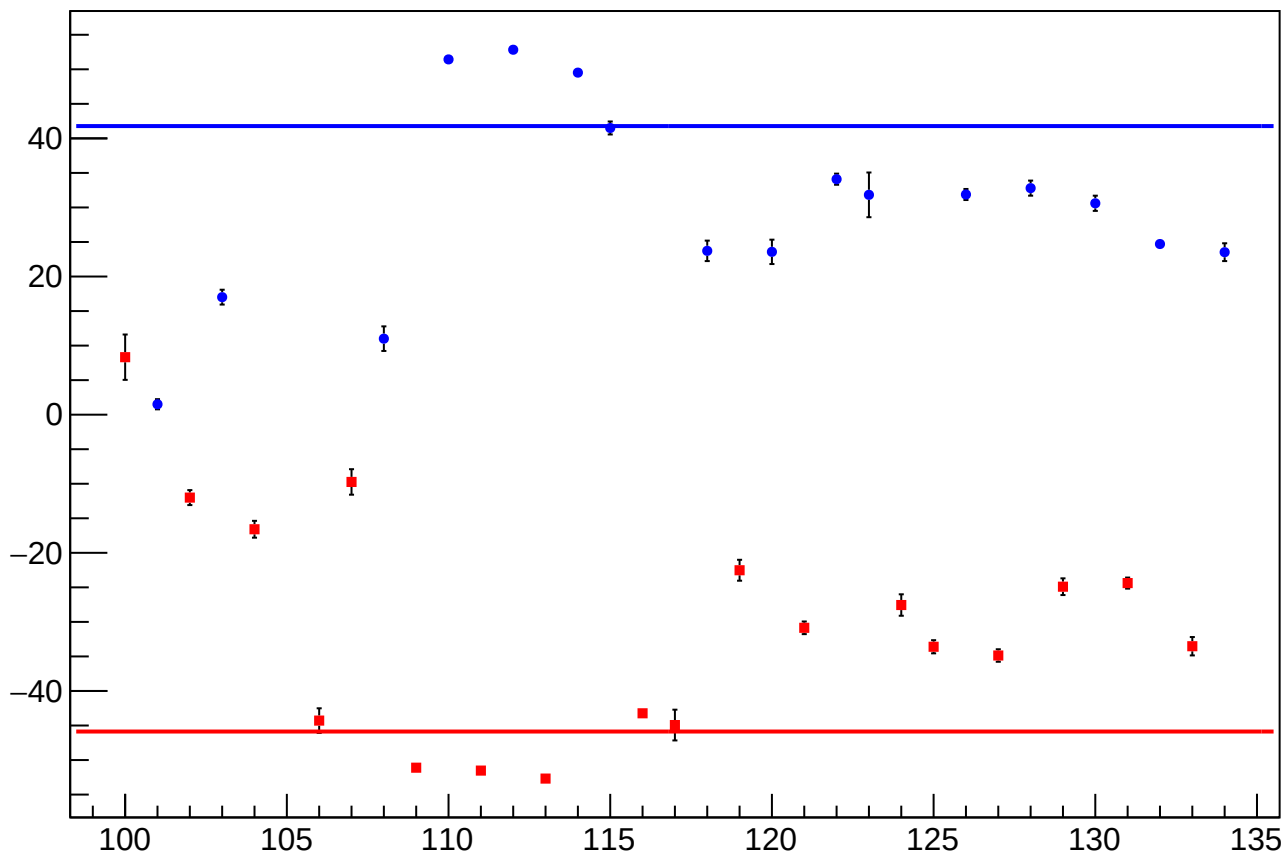
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

0.107 $\pm$ 0.012  $\chi^2$ /NDF: 400.3/15

0.014 $\pm$ 0.008  $\chi^2$ /NDF: 912.1/33

-0.078 $\pm$ 0.012  $\chi^2$ /NDF: 384.4/17

reg\_asym\_sam7\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 41.781+/-0.175  $\chi^2$ /NDF: 7408.4/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -45.871+/-0.151  $\chi^2$ /NDF: 5397.2/17

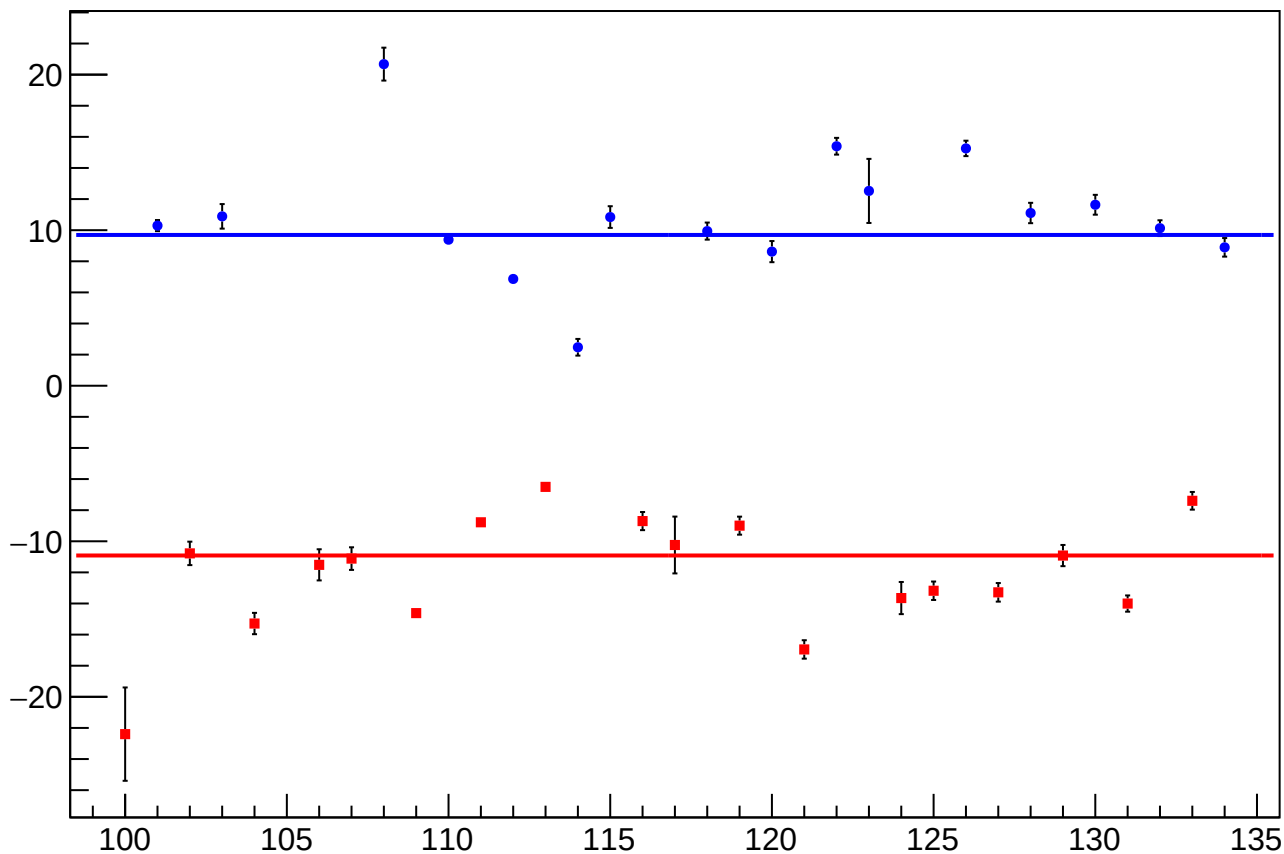
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

41.781+/-0.175  $\chi^2$ /NDF: 7408.4/15

-8.347+/-0.114  $\chi^2$ /NDF: 156739.5/33

-45.871+/-0.151  $\chi^2$ /NDF: 5397.2/17

reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.694+/-0.124  $\chi^2/\text{NDF}$ : 669.6/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.914+/-0.121  $\chi^2/\text{NDF}$ : 771.2/17

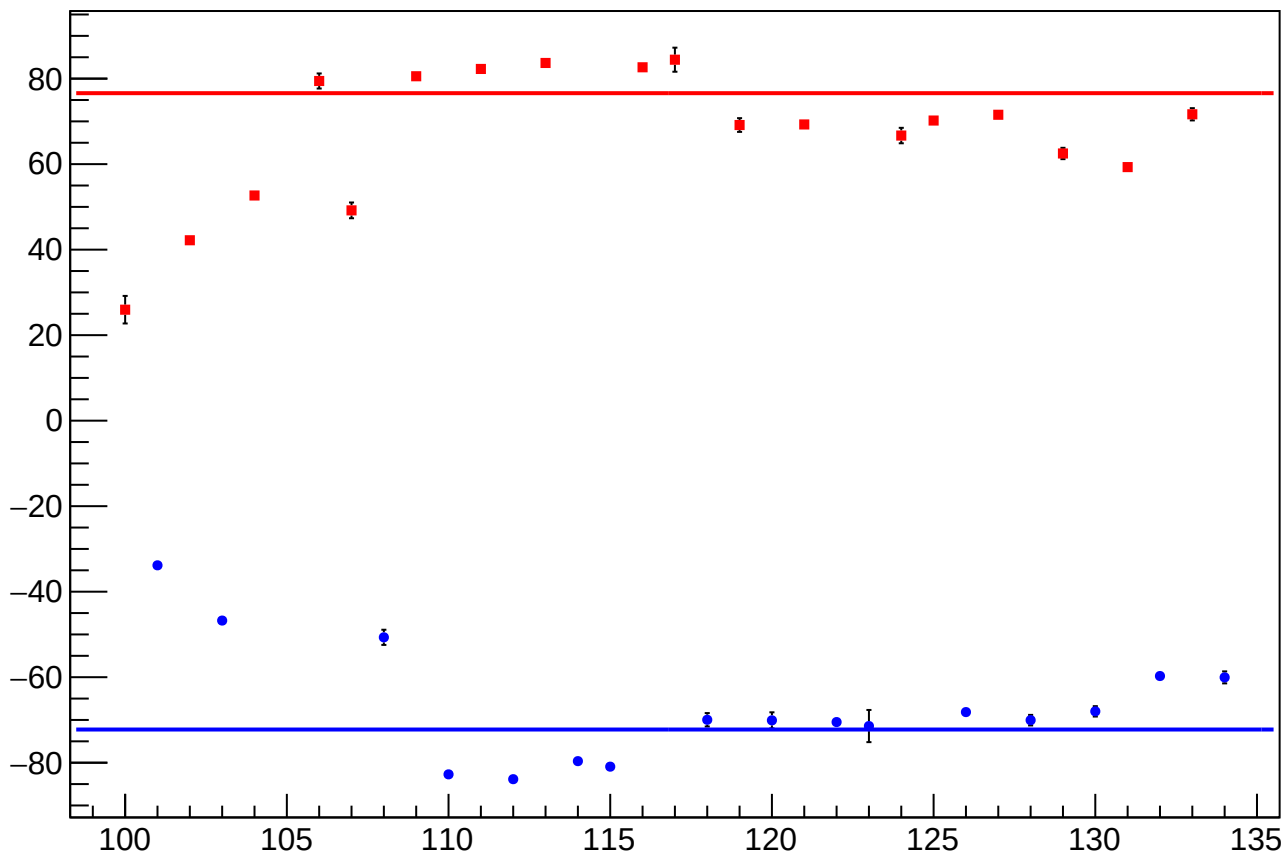
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

9.694+/-0.124  $\chi^2/\text{NDF}$ : 669.6/15

-0.943+/-0.087  $\chi^2/\text{NDF}$ : 15588.9/33

-10.914+/-0.121  $\chi^2/\text{NDF}$ : 771.2/17

reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -72.239+/-0.208  $\chi^2/\text{NDF}$ : 5566.6/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 76.597+/-0.186  $\chi^2/\text{NDF}$ : 3252.5/17

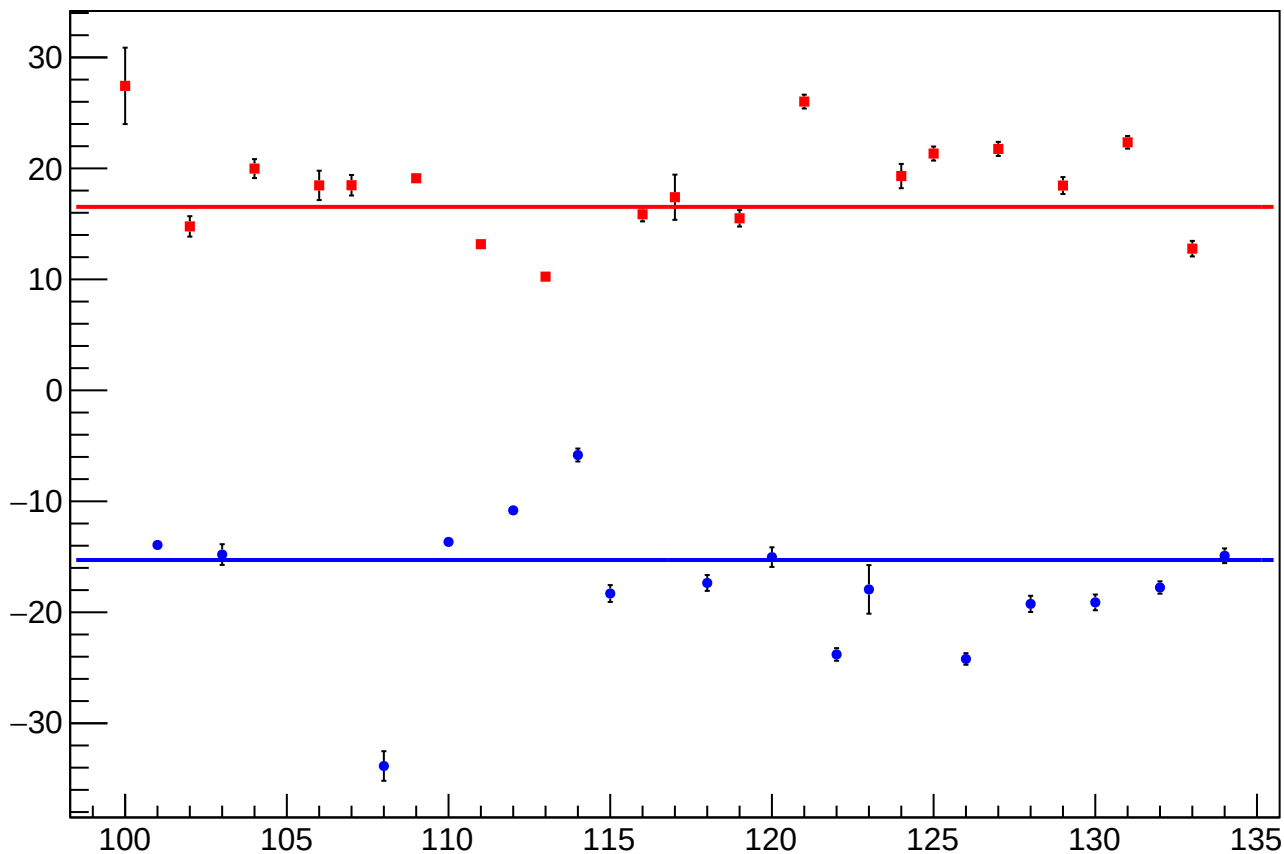
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-72.239+/-0.208  $\chi^2/\text{NDF}$ : 5566.6/15

10.470+/-0.139  $\chi^2/\text{NDF}$ : 292311.0/33

76.597+/-0.186  $\chi^2/\text{NDF}$ : 3252.5/17

reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-15.286 \pm 0.140$   $\chi^2/\text{NDF}: 1344.0/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $16.532 \pm 0.134$   $\chi^2/\text{NDF}: 1143.1/17$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

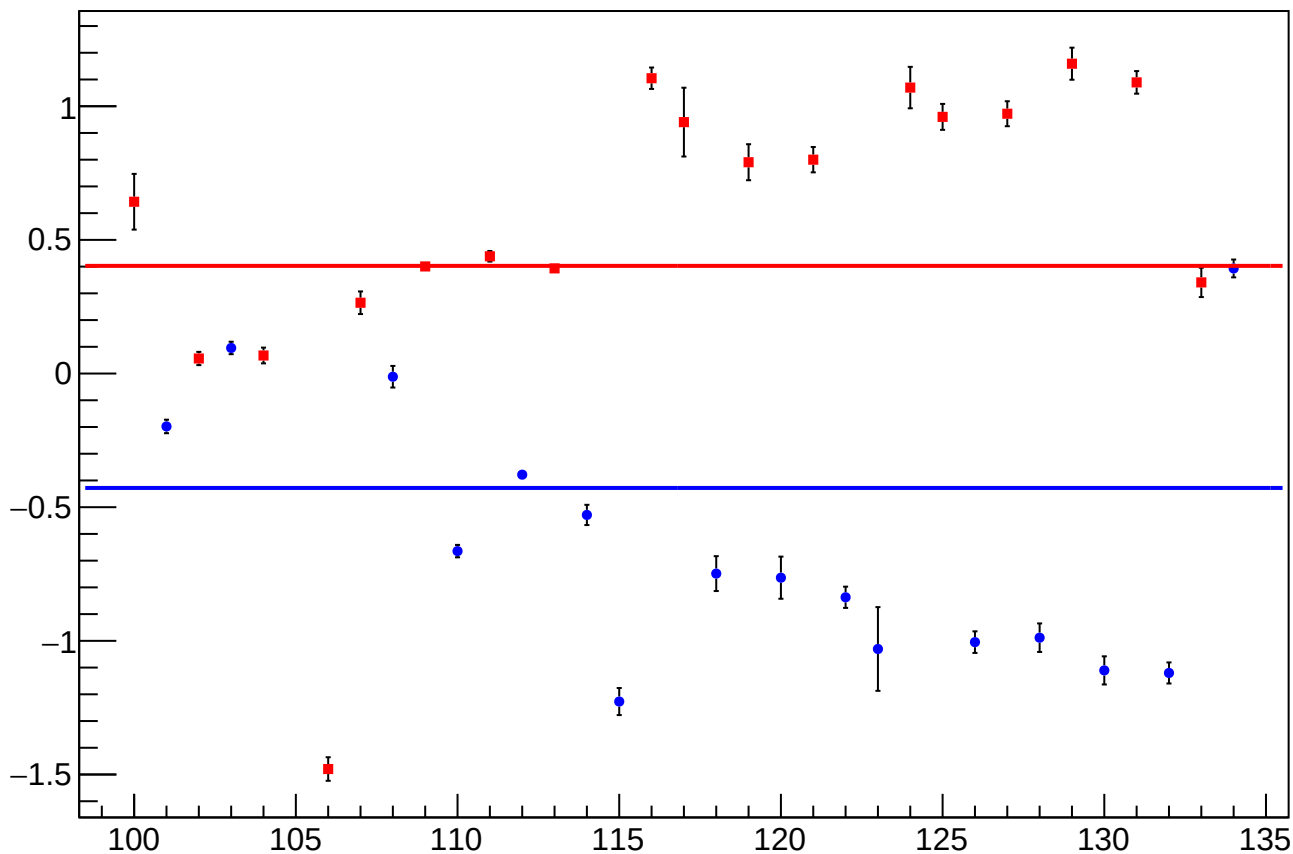
$-15.286 \pm 0.140$   $\chi^2/\text{NDF}: 1344.0/15$

$1.351 \pm 0.097$   $\chi^2/\text{NDF}: 29586.5/33$

$16.532 \pm 0.134$   $\chi^2/\text{NDF}: 1143.1/17$



reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.428 $\pm$ 0.008  $\chi^2$ /NDF: 2619.5/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.403 $\pm$ 0.008  $\chi^2$ /NDF: 3375.5/17

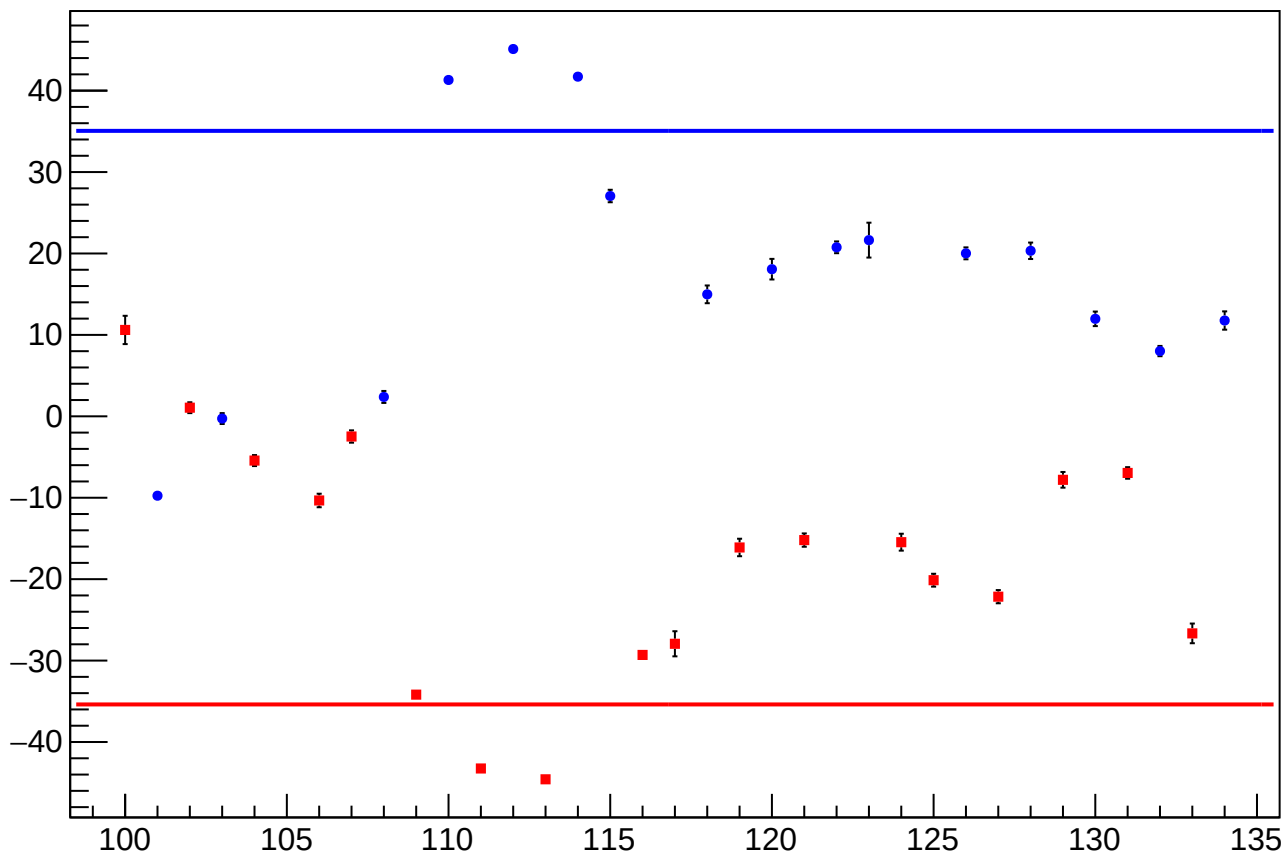
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

-0.428 $\pm$ 0.008  $\chi^2$ /NDF: 2619.5/15

0.020 $\pm$ 0.006  $\chi^2$ /NDF: 11232.8/33

0.403 $\pm$ 0.008  $\chi^2$ /NDF: 3375.5/17

reg\_asym\_sam8\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 35.060+/-0.107  $\chi^2/\text{NDF}$ : 22975.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -35.387+/-0.088  $\chi^2/\text{NDF}$ : 17660.3/17

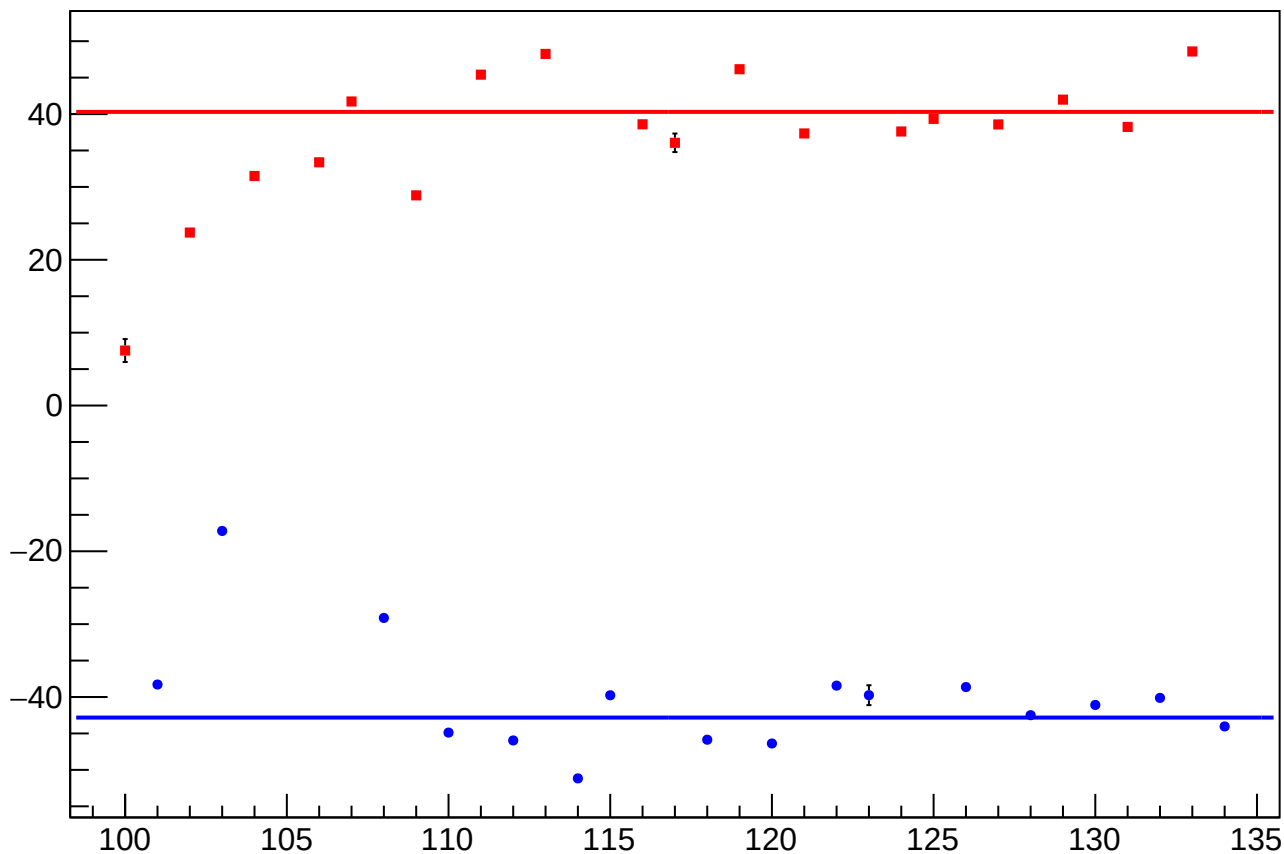
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

35.060+/-0.107  $\chi^2/\text{NDF}$ : 22975.3/15

-6.995+/-0.068  $\chi^2/\text{NDF}$ : 301117.3/33

-35.387+/-0.088  $\chi^2/\text{NDF}$ : 17660.3/17

reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -42.822+/-0.080  $\chi^2/\text{NDF}$ : 5567.5/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.297+/-0.074  $\chi^2/\text{NDF}$ : 11062.2/17

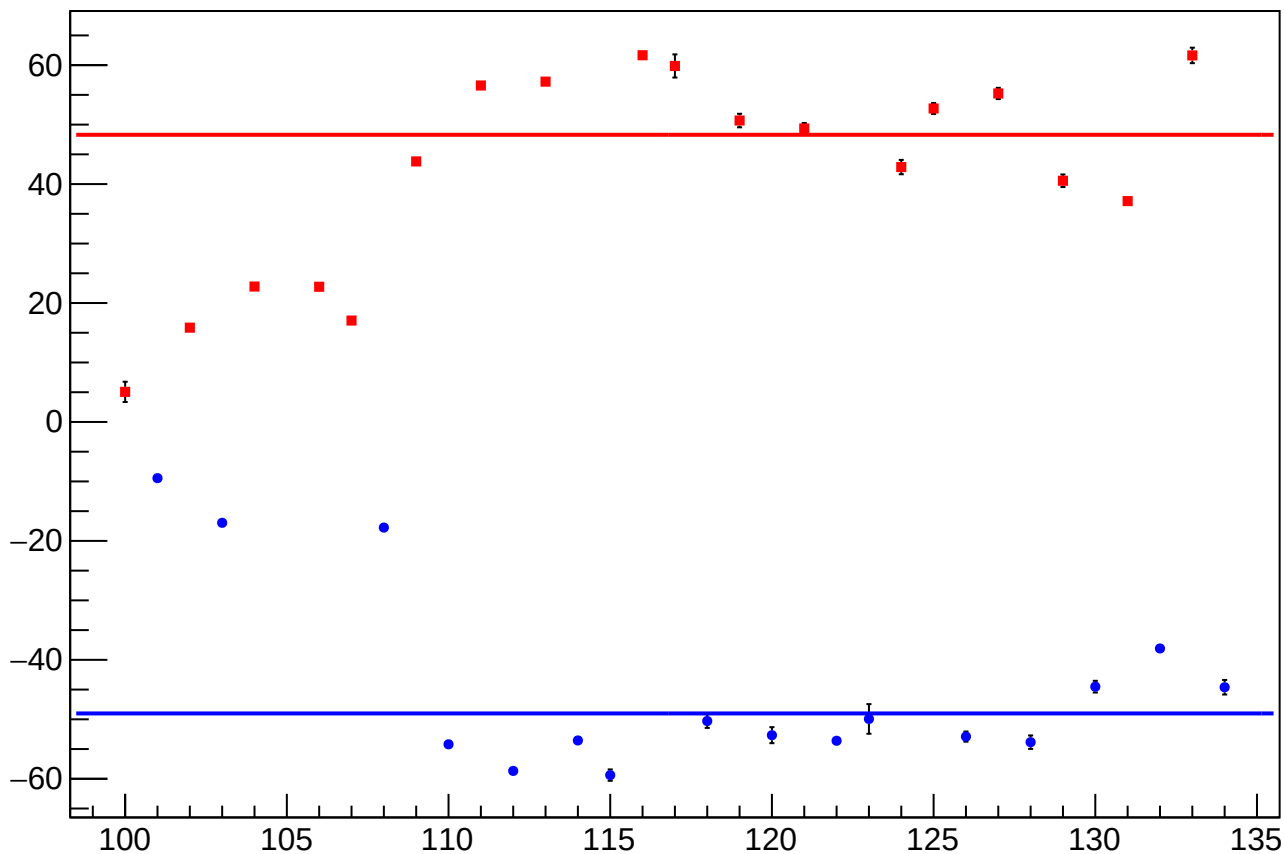
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-42.822+/-0.080  $\chi^2/\text{NDF}$ : 5567.5/15

1.909+/-0.055  $\chi^2/\text{NDF}$ : 592324.9/33

40.297+/-0.074  $\chi^2/\text{NDF}$ : 11062.2/17

reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-49.012 \pm 0.129$   $\chi^2/\text{NDF}$ : 14594.1/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $48.288 \pm 0.109$   $\chi^2/\text{NDF}$ : 11676.0/17

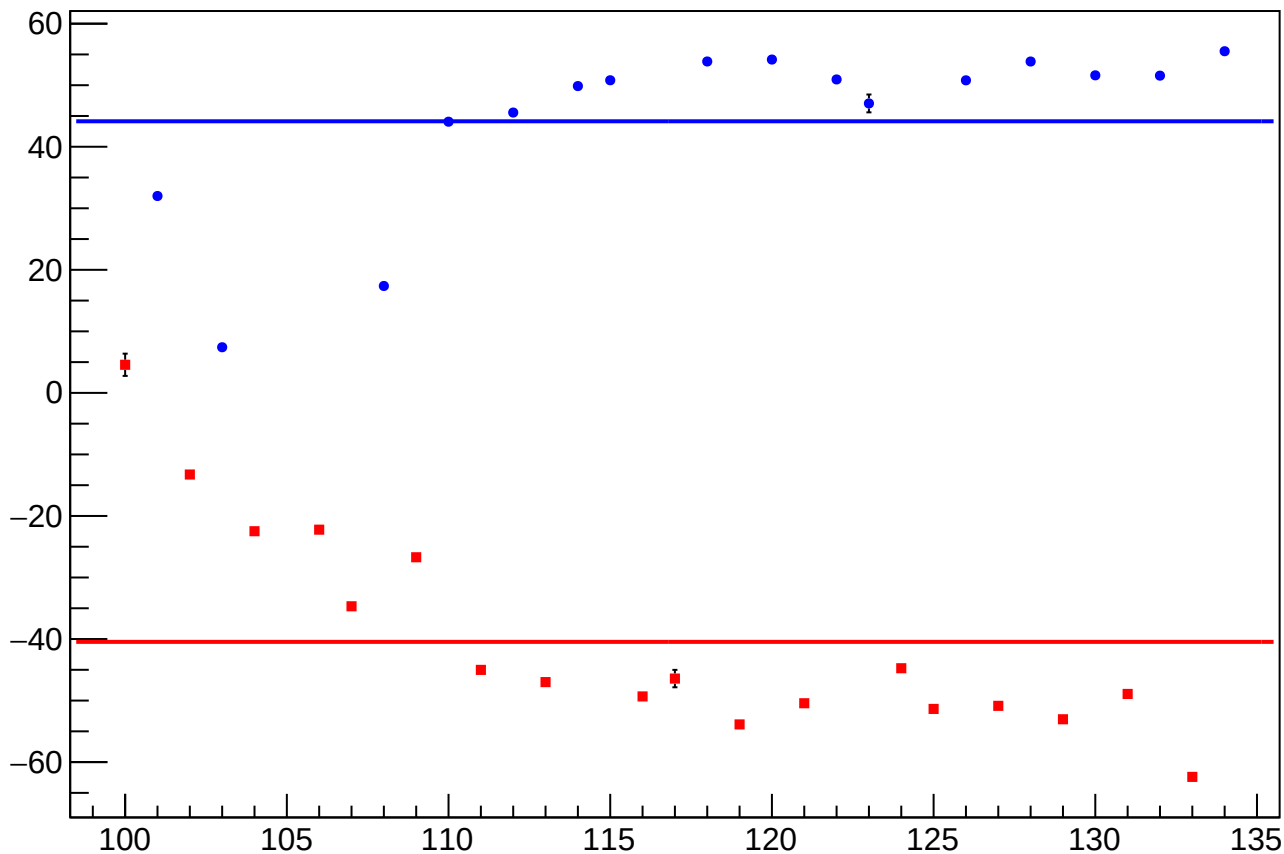
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-49.012 \pm 0.129$   $\chi^2/\text{NDF}$ : 14594.1/15

$7.678 \pm 0.083$   $\chi^2/\text{NDF}$ : 358468.2/33

$48.288 \pm 0.109$   $\chi^2/\text{NDF}$ : 11676.0/17

reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 44.138+/-0.090  $\chi^2/\text{NDF}$ : 10440.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -40.459+/-0.082  $\chi^2/\text{NDF}$ : 17562.3/17

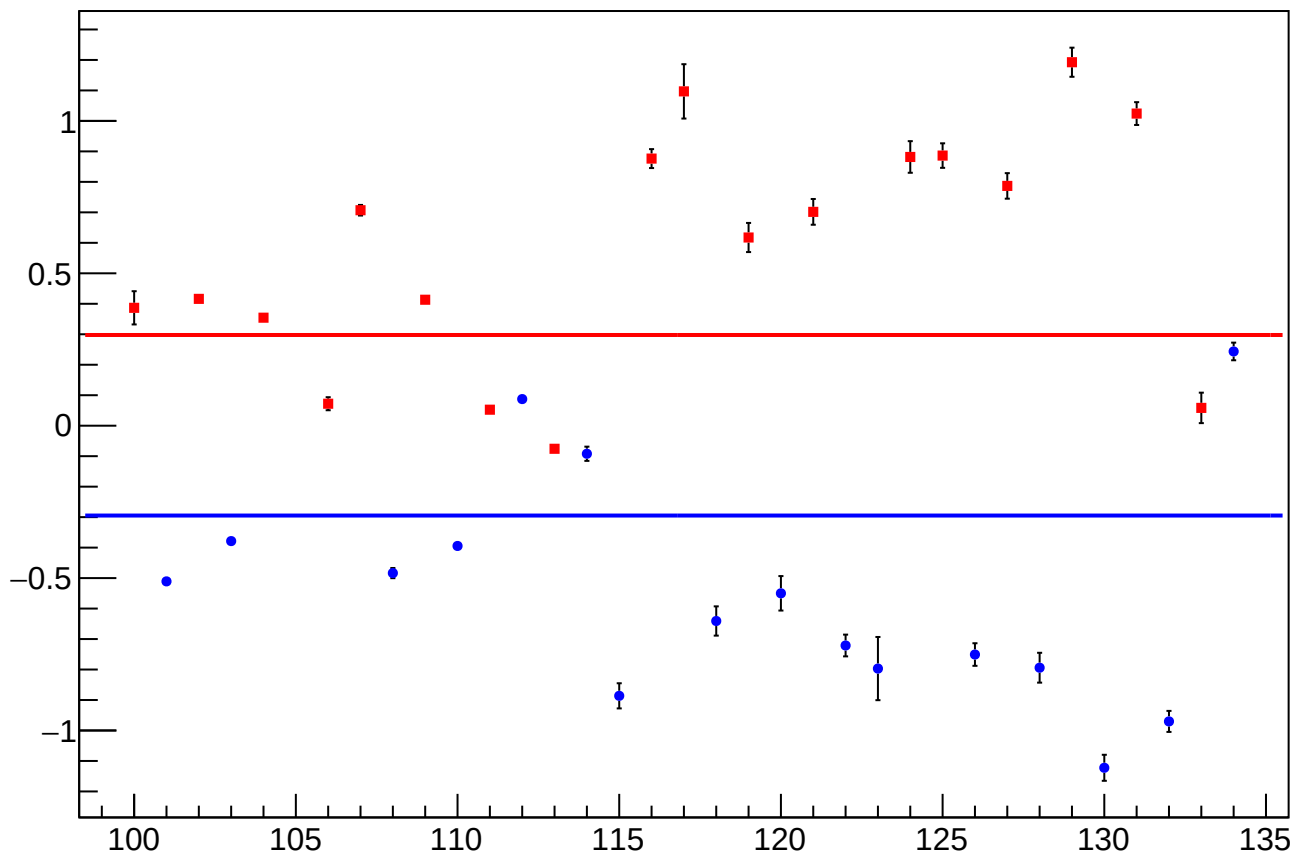
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

44.138+/-0.090  $\chi^2/\text{NDF}$ : 10440.2/15

-2.015+/-0.061  $\chi^2/\text{NDF}$ : 507644.4/33

-40.459+/-0.082  $\chi^2/\text{NDF}$ : 17562.3/17

reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.295+/-0.005  $\chi^2/\text{NDF}$ : 3812.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.298+/-0.005  $\chi^2/\text{NDF}$ : 4500.0/17

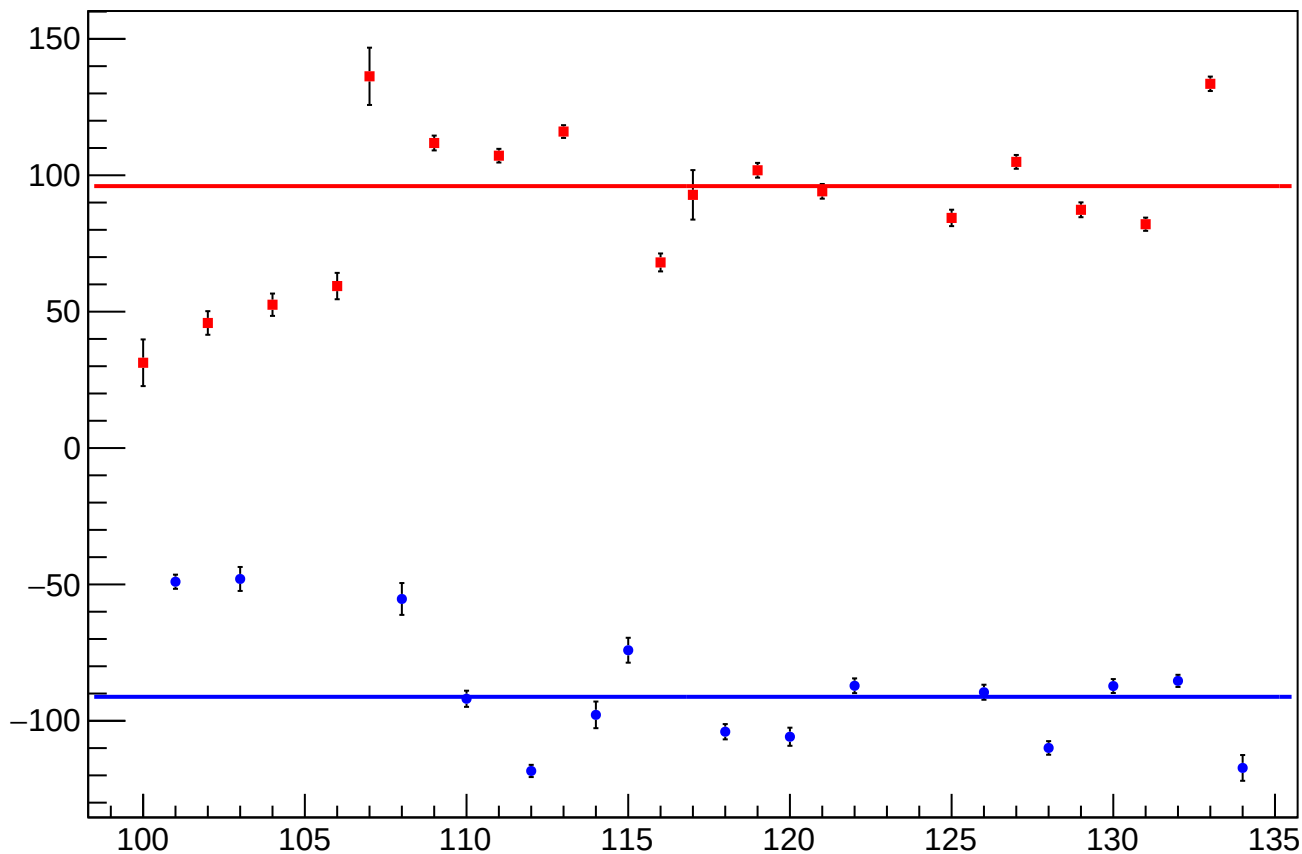
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.295+/-0.005  $\chi^2/\text{NDF}$ : 3812.4/15

0.044+/-0.003  $\chi^2/\text{NDF}$ : 15679.5/33

0.298+/-0.005  $\chi^2/\text{NDF}$ : 4500.0/17

reg\_asym\_usl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -91.199+/-0.772  $\chi^2/\text{NDF}$ : 700.0/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 96.026+/-0.756  $\chi^2/\text{NDF}$ : 852.1/16

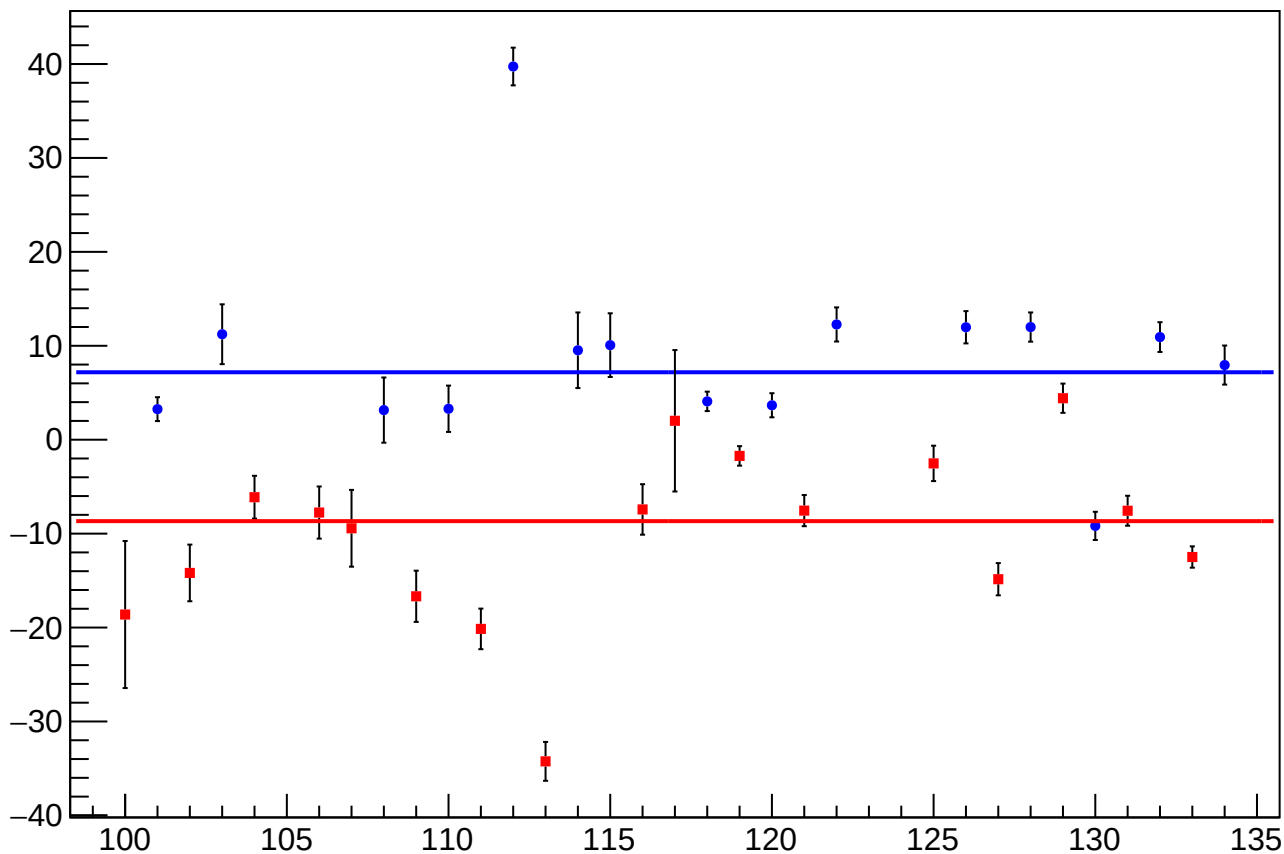
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-91.199+/-0.772  $\chi^2/\text{NDF}$ : 700.0/14

4.307+/-0.540  $\chi^2/\text{NDF}$ : 31569.0/31

96.026+/-0.756  $\chi^2/\text{NDF}$ : 852.1/16

reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.181+/-0.446  $\chi^2/\text{NDF}$ : 445.6/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -8.669+/-0.459  $\chi^2/\text{NDF}$ : 349.6/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

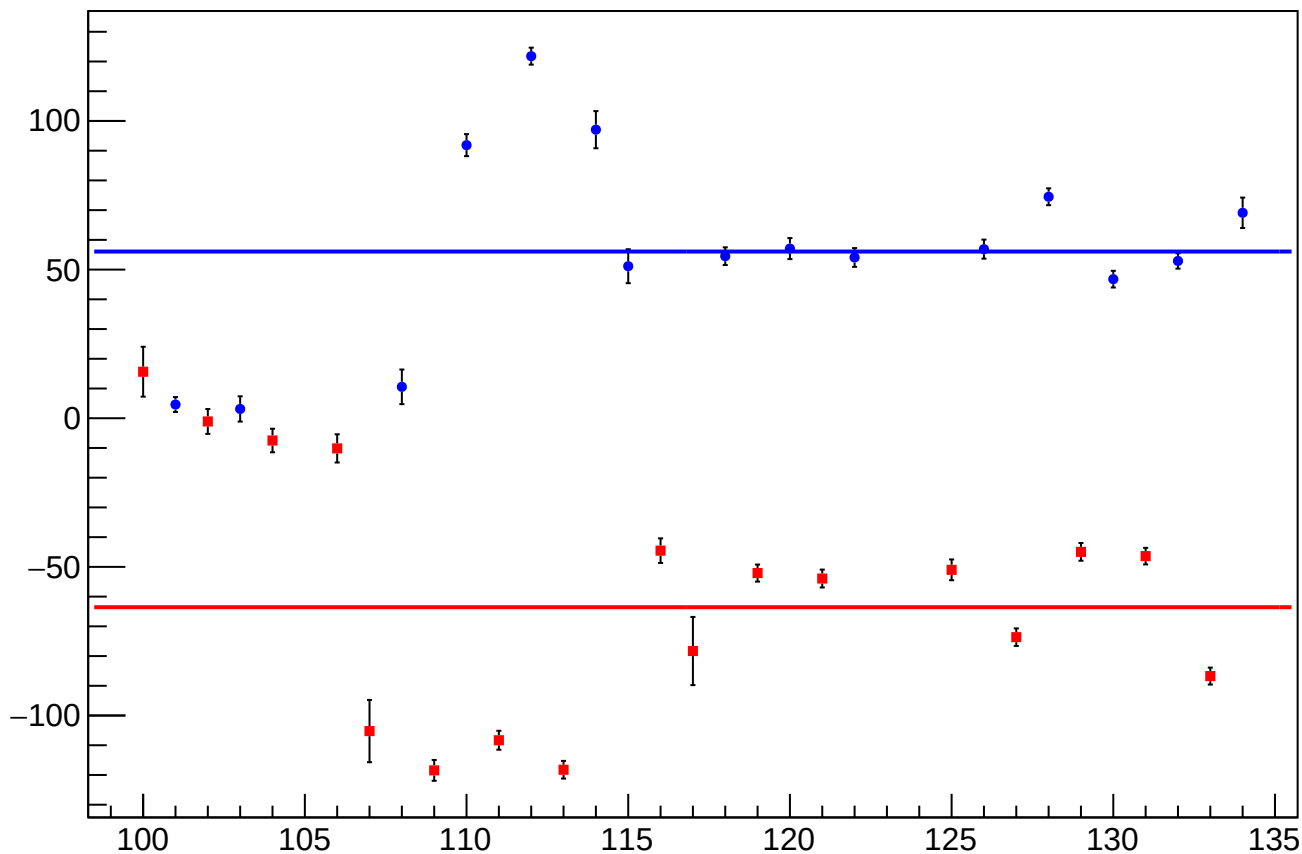
7.181+/-0.446  $\chi^2/\text{NDF}$ : 445.6/14

-0.506+/-0.320  $\chi^2/\text{NDF}$ : 1408.5/31

-8.669+/-0.459  $\chi^2/\text{NDF}$ : 349.6/16



# reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 56.074+/-0.868  $\chi^2/\text{NDF}$ : 1367.4/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -63.568+/-0.864  $\chi^2/\text{NDF}$ : 1651.7/16

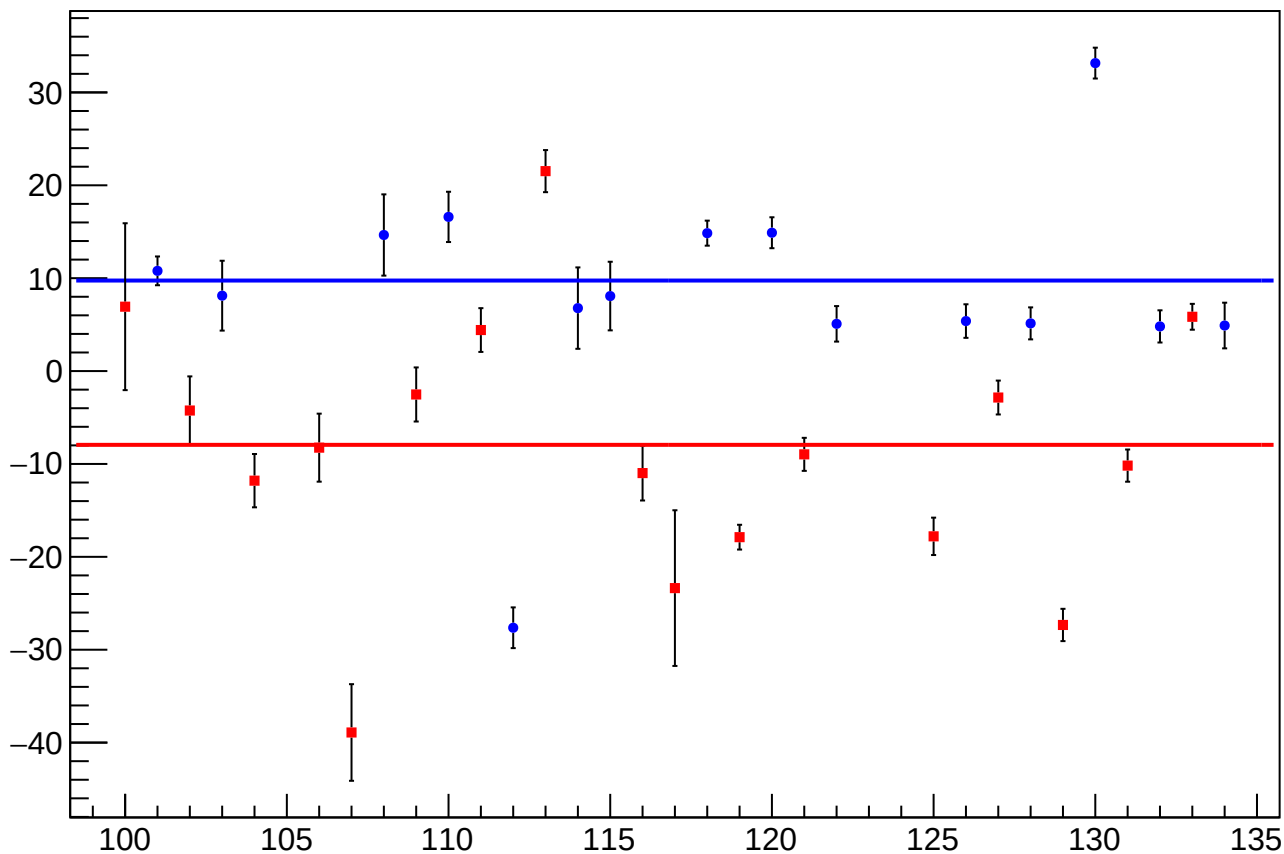
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

56.074+/-0.868  $\chi^2/\text{NDF}$ : 1367.4/14

-4.034+/-0.612  $\chi^2/\text{NDF}$ : 12562.1/31

-63.568+/-0.864  $\chi^2/\text{NDF}$ : 1651.7/16

reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 9.746+/-0.520  $\chi^2/\text{NDF}$ : 553.0/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.943+/-0.531  $\chi^2/\text{NDF}$ : 557.5/16

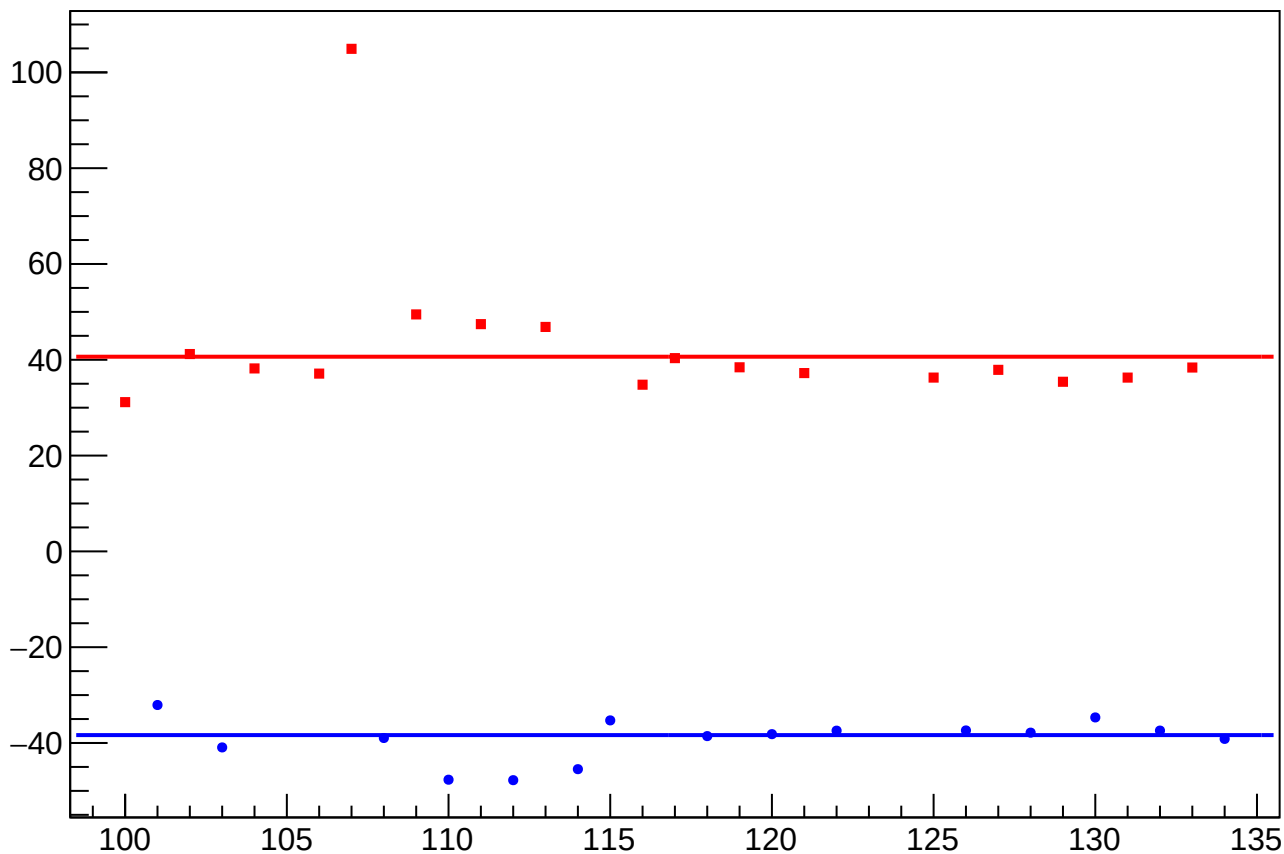
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

9.746+/-0.520  $\chi^2/\text{NDF}$ : 553.0/14

1.085+/-0.371  $\chi^2/\text{NDF}$ : 1677.1/31

-7.943+/-0.531  $\chi^2/\text{NDF}$ : 557.5/16

reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.353+/-0.034  $\chi^2/\text{NDF}$ : 15166.7/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.641+/-0.033  $\chi^2/\text{NDF}$ : 87618.8/16

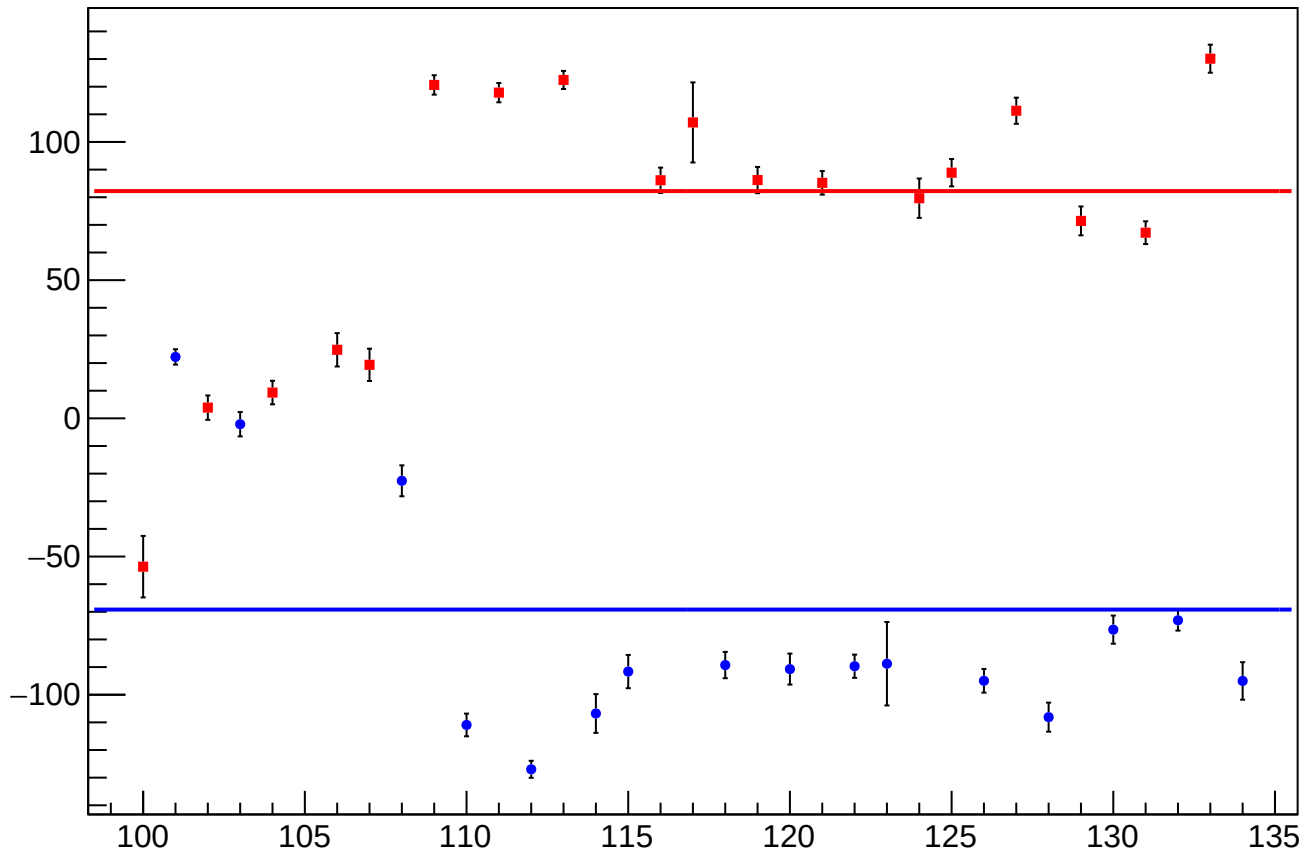
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-38.353+/-0.034  $\chi^2/\text{NDF}$ : 15166.7/14

1.692+/-0.024  $\chi^2/\text{NDF}$ : 2854254.7/31

40.641+/-0.033  $\chi^2/\text{NDF}$ : 87618.8/16

reg\_asym\_usr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -69.191+/-1.129  $\chi^2/\text{NDF}$ : 2041.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 82.226+/-1.104  $\chi^2/\text{NDF}$ : 1490.4/17

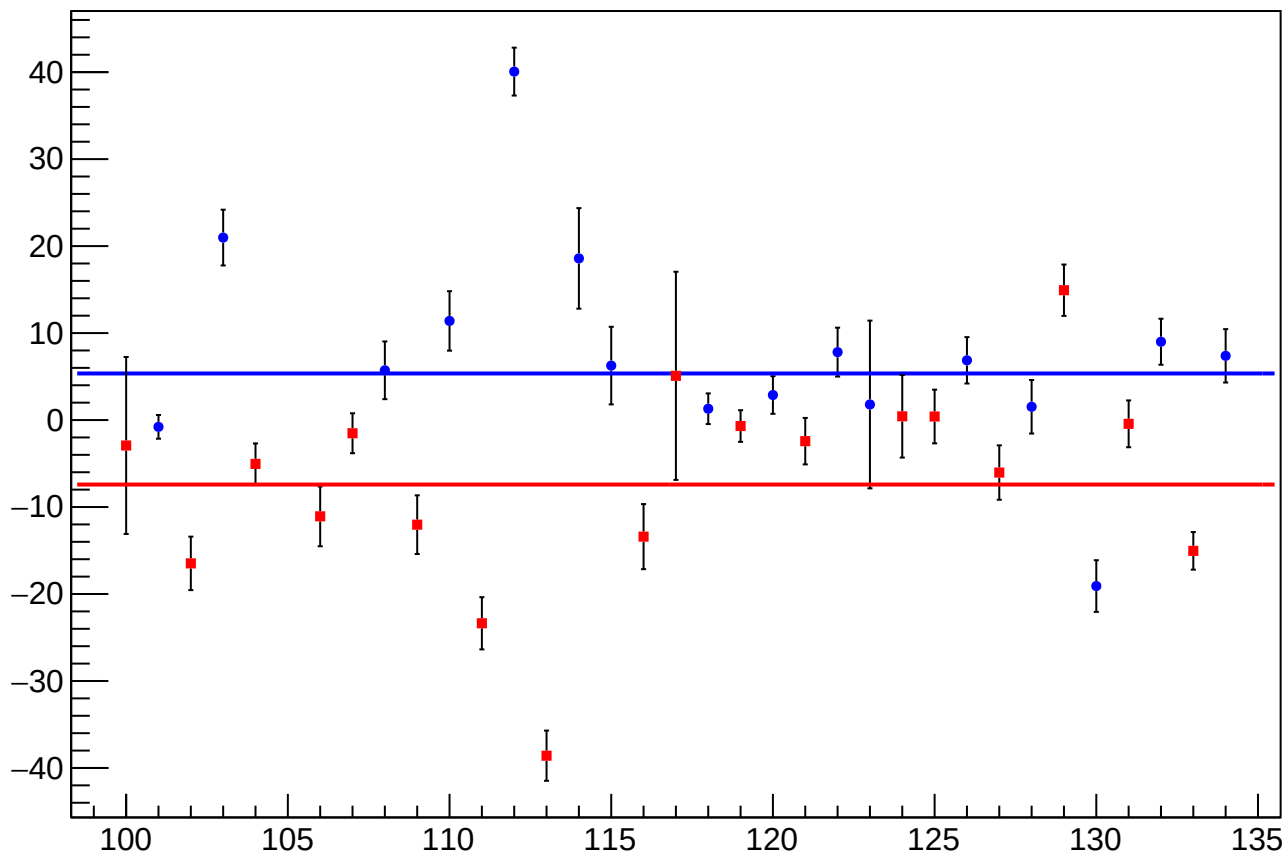
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-69.191+/-1.129  $\chi^2/\text{NDF}$ : 2041.3/15

8.207+/-0.790  $\chi^2/\text{NDF}$ : 12721.5/33

82.226+/-1.104  $\chi^2/\text{NDF}$ : 1490.4/17

reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.356+/-0.658  $\chi^2/\text{NDF}$ : 290.9/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.414+/-0.685  $\chi^2/\text{NDF}$ : 271.0/17

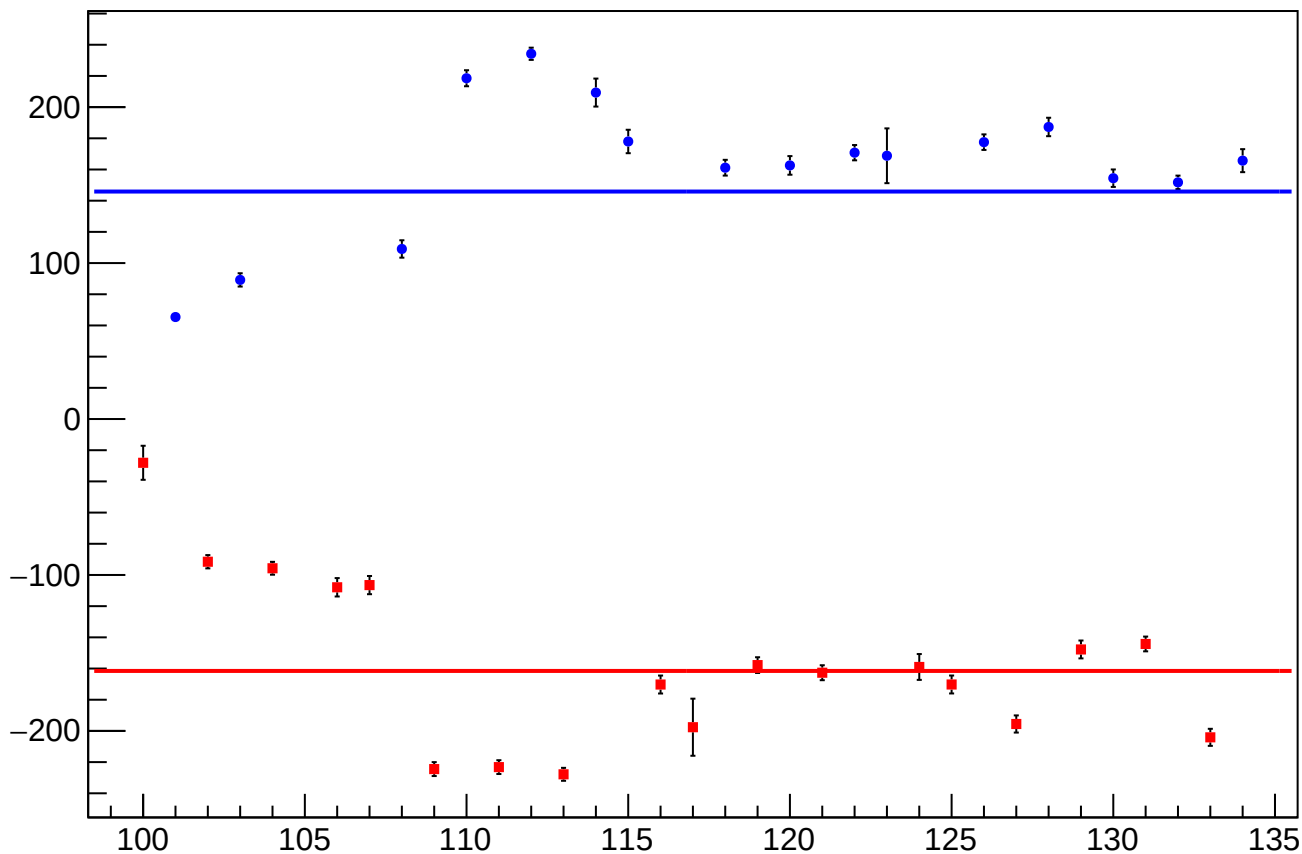
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.356+/-0.658  $\chi^2/\text{NDF}$ : 290.9/15

-0.773+/-0.475  $\chi^2/\text{NDF}$ : 742.4/33

-7.414+/-0.685  $\chi^2/\text{NDF}$ : 271.0/17

# reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 145.868+/-1.247  $\chi^2/\text{NDF}$ : 2040.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -161.536+/-1.248  $\chi^2/\text{NDF}$ : 1621.5/17

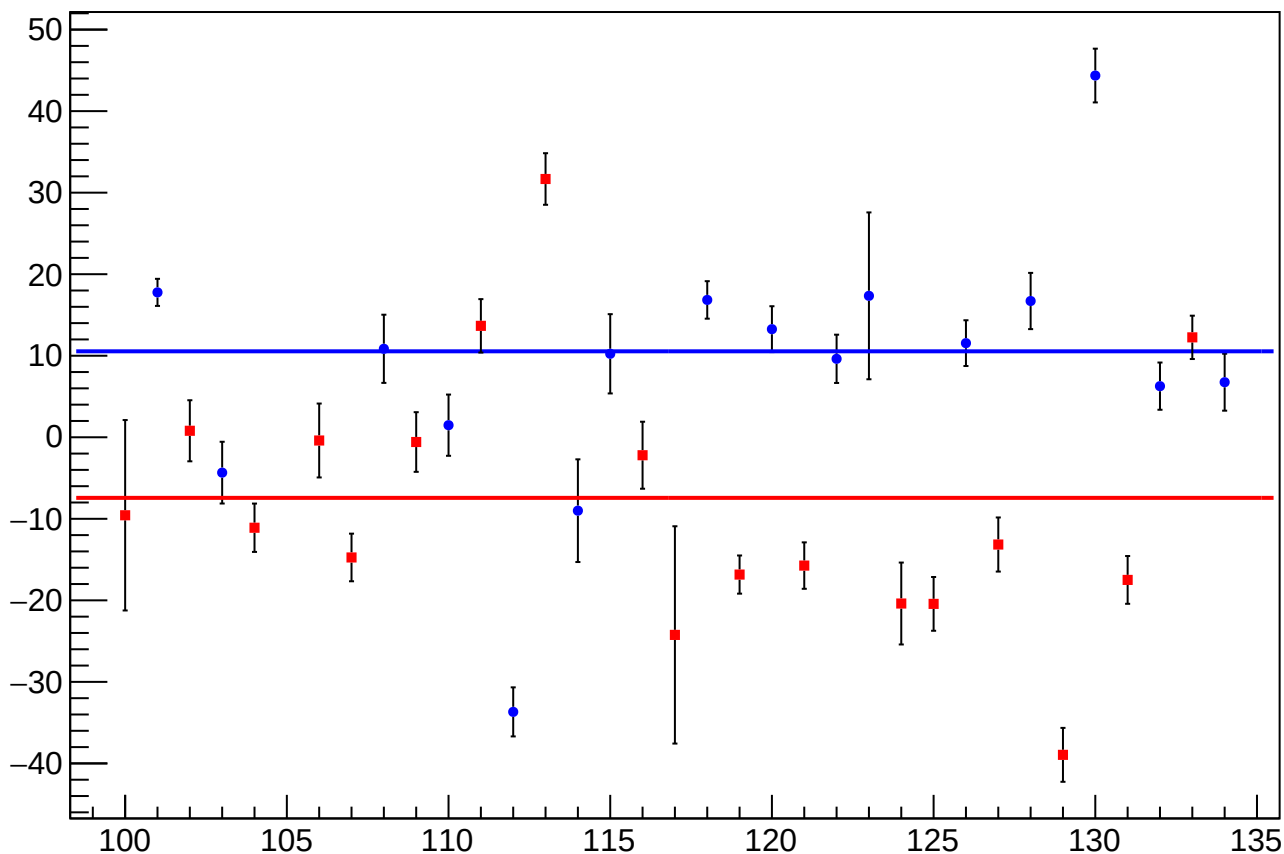
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

145.868+/-1.247  $\chi^2/\text{NDF}$ : 2040.0/15

-7.678+/-0.882  $\chi^2/\text{NDF}$ : 34037.4/33

-161.536+/-1.248  $\chi^2/\text{NDF}$ : 1621.5/17

reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 10.543+/-0.771  $\chi^2/\text{NDF}$ : 386.8/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.431+/-0.798  $\chi^2/\text{NDF}$ : 423.5/17

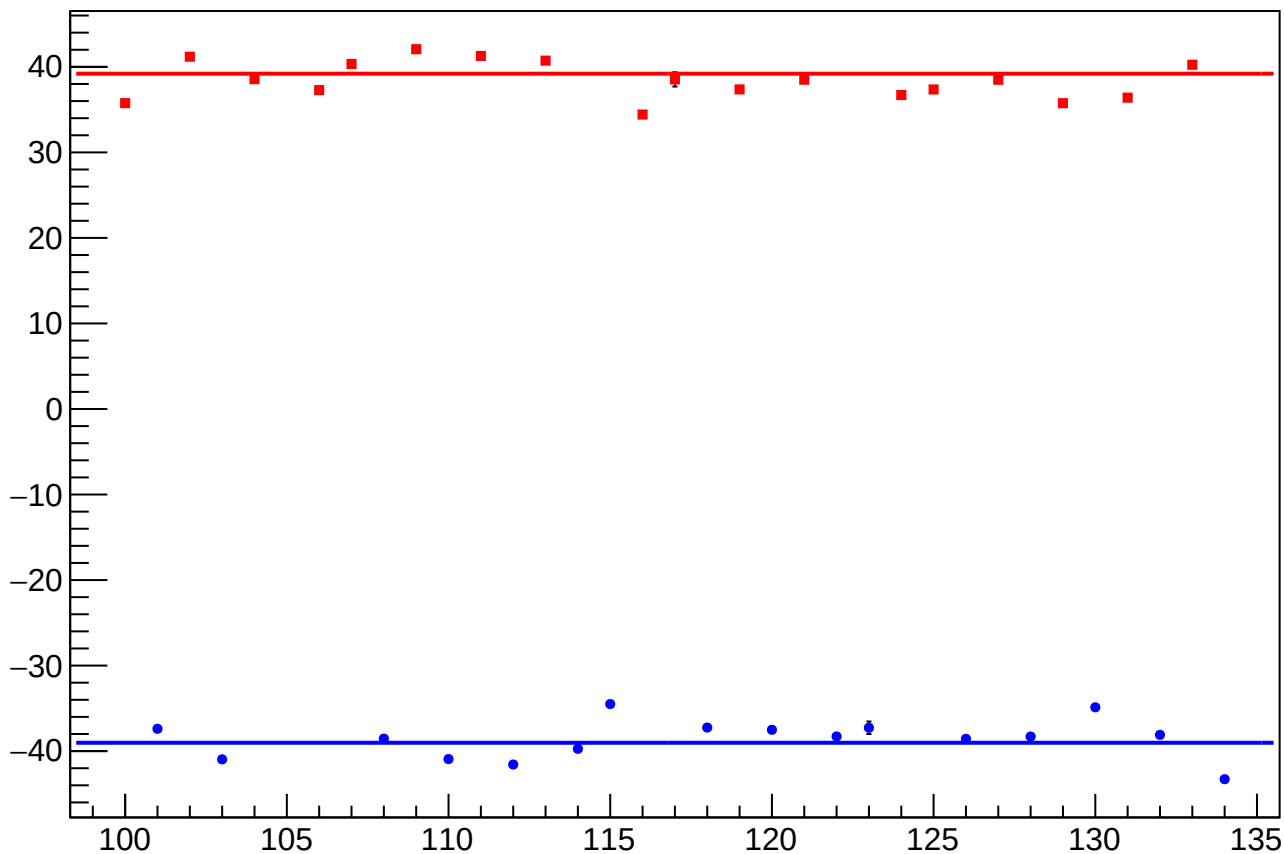
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

10.543+/-0.771  $\chi^2/\text{NDF}$ : 386.8/15

1.867+/-0.555  $\chi^2/\text{NDF}$ : 1072.5/33

-7.431+/-0.798  $\chi^2/\text{NDF}$ : 423.5/17

reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -39.023+/-0.044  $\chi^2/\text{NDF}$ : 2127.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 39.201+/-0.043  $\chi^2/\text{NDF}$ : 2080.4/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

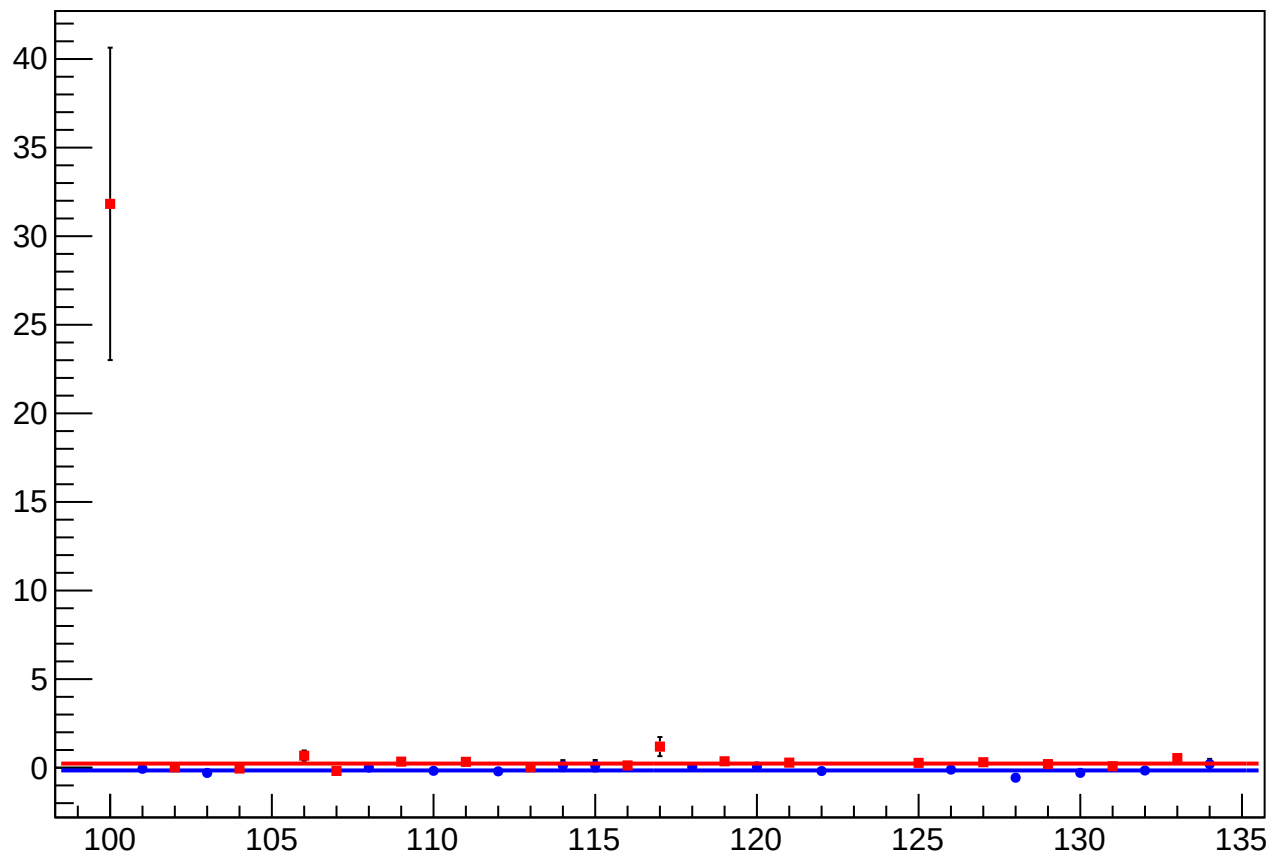
-39.023+/-0.044  $\chi^2/\text{NDF}$ : 2127.3/15

1.116+/-0.031  $\chi^2/\text{NDF}$ : 1603709.7/33

39.201+/-0.043  $\chi^2/\text{NDF}$ : 2080.4/17



reg\_asym\_dsl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.154 $\pm$ 0.050  $\chi^2/\text{NDF}$ : 12.4/14

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.234 $\pm$ 0.050  $\chi^2/\text{NDF}$ : 30.9/16

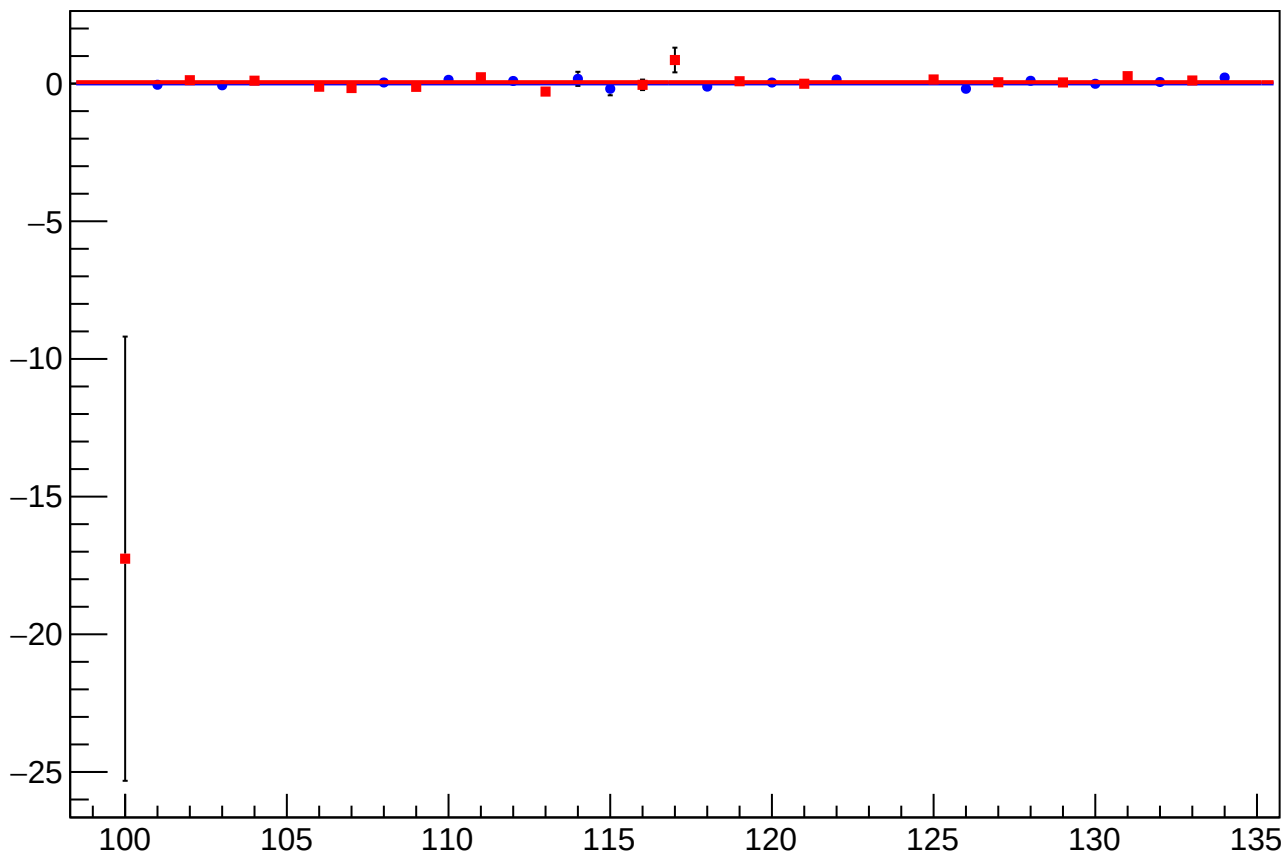
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.154 $\pm$ 0.050  $\chi^2/\text{NDF}$ : 12.4/14

0.042 $\pm$ 0.035  $\chi^2/\text{NDF}$ : 73.4/31

0.234 $\pm$ 0.050  $\chi^2/\text{NDF}$ : 30.9/16

reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.006+/-0.029  $\chi^2/\text{NDF}$ : 12.3/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.052+/-0.030  $\chi^2/\text{NDF}$ : 27.5/16

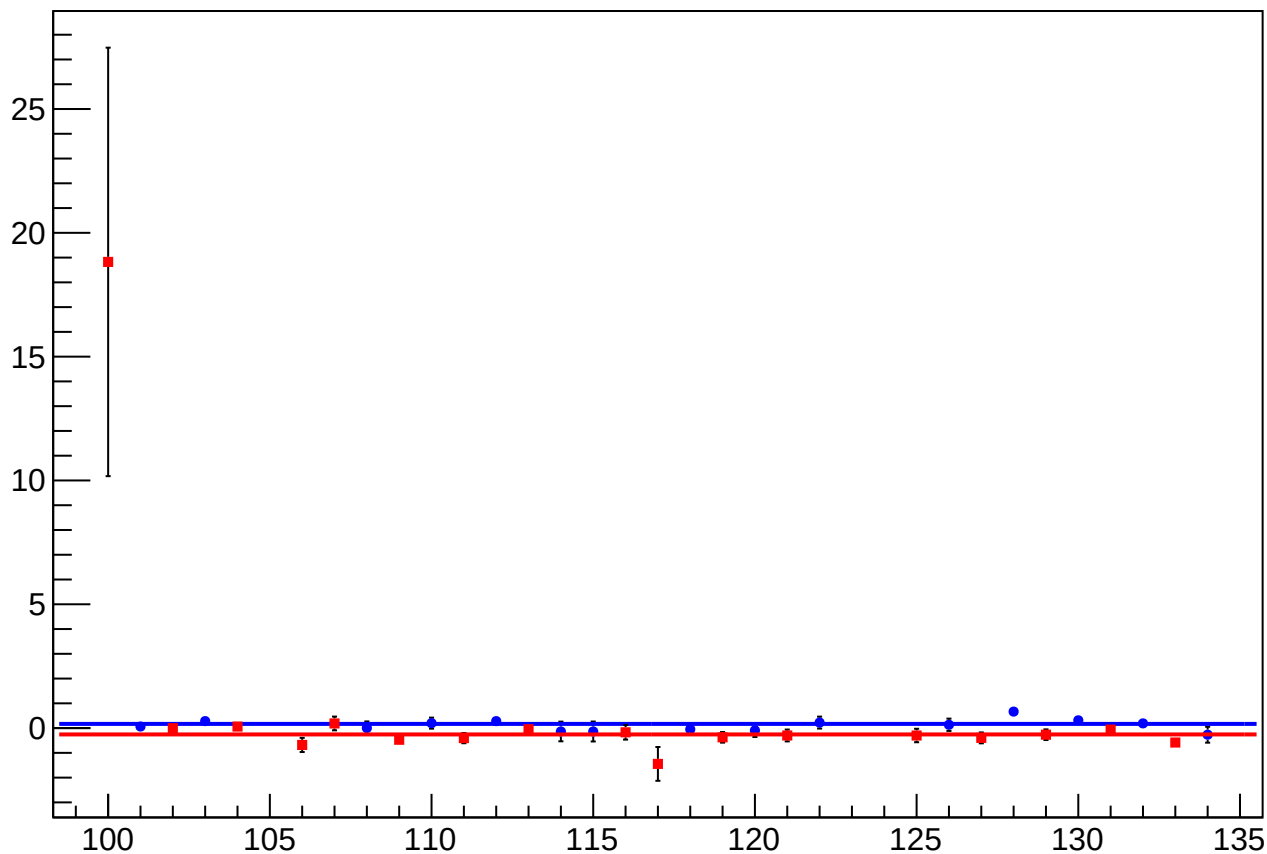
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.029  $\chi^2/\text{NDF}$ : 12.3/14

0.028+/-0.021  $\chi^2/\text{NDF}$ : 41.0/31

0.052+/-0.030  $\chi^2/\text{NDF}$ : 27.5/16

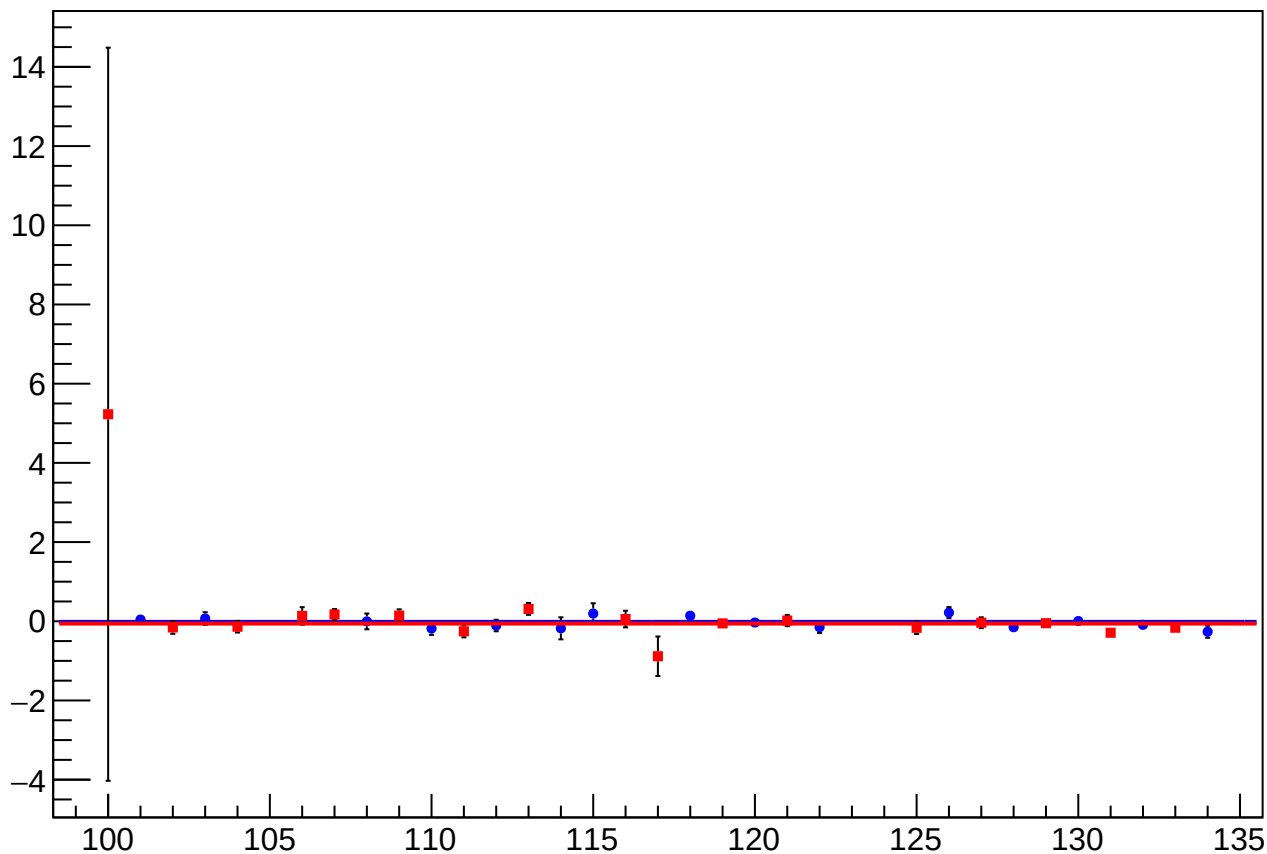
reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $0.169 \pm 0.055$   $\chi^2/\text{NDF}$ : 13.7/14  
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out:  $-0.256 \pm 0.056$   $\chi^2/\text{NDF}$ : 24.5/16  
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$0.169 \pm 0.055$   $\chi^2/\text{NDF}$ : 13.7/14  
 $-0.040 \pm 0.039$   $\chi^2/\text{NDF}$ : 67.2/31  
 $-0.256 \pm 0.056$   $\chi^2/\text{NDF}$ : 24.5/16

reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-0.015 \pm 0.034$   $\chi^2/\text{NDF}$ : 13.6/14

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.058 \pm 0.036$   $\chi^2/\text{NDF}$ : 22.3/16

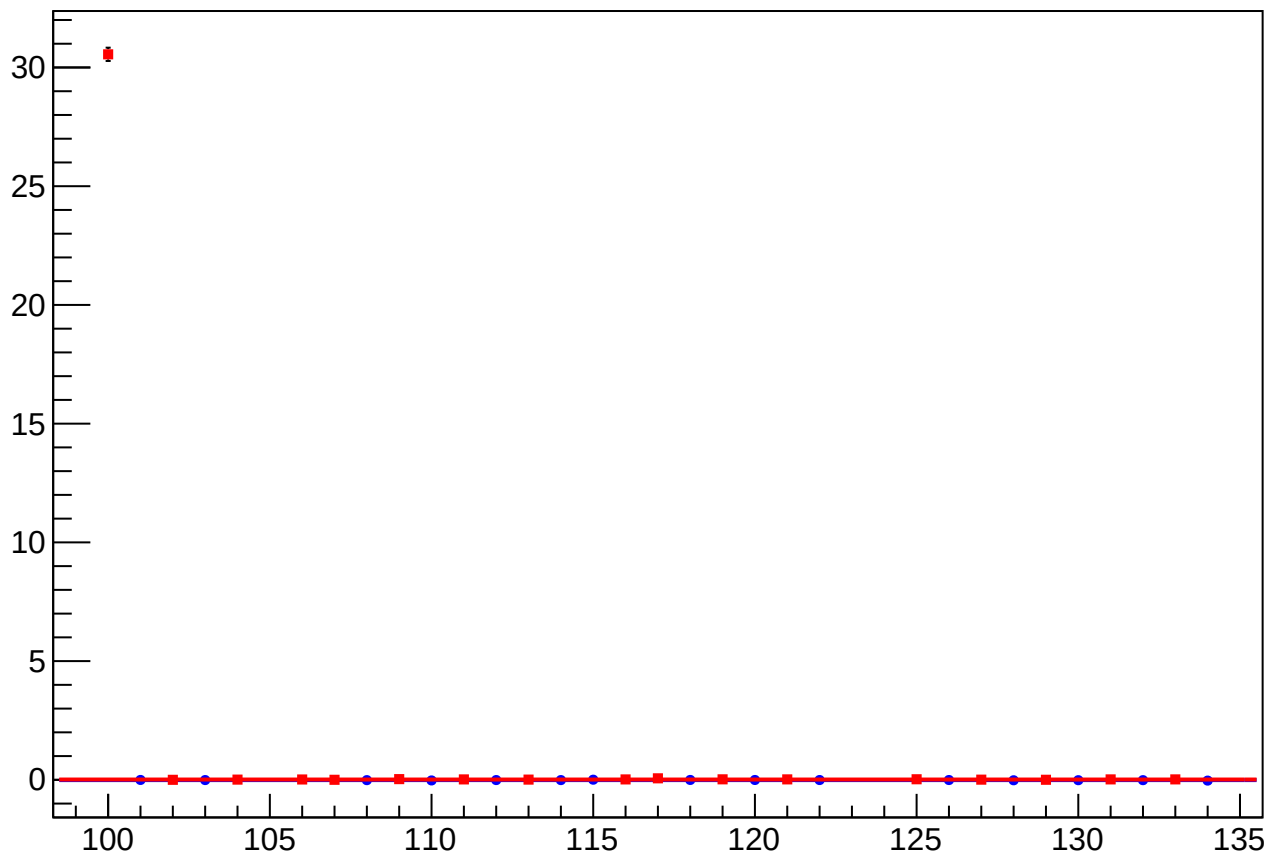
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.015 \pm 0.034$   $\chi^2/\text{NDF}$ : 13.6/14

$-0.036 \pm 0.025$   $\chi^2/\text{NDF}$ : 36.7/31

$-0.058 \pm 0.036$   $\chi^2/\text{NDF}$ : 22.3/16

reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.011 $\pm$ 0.002  $\chi^2$ /NDF: 12.7/14

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.013 $\pm$ 0.002  $\chi^2$ /NDF: 11889.3/16

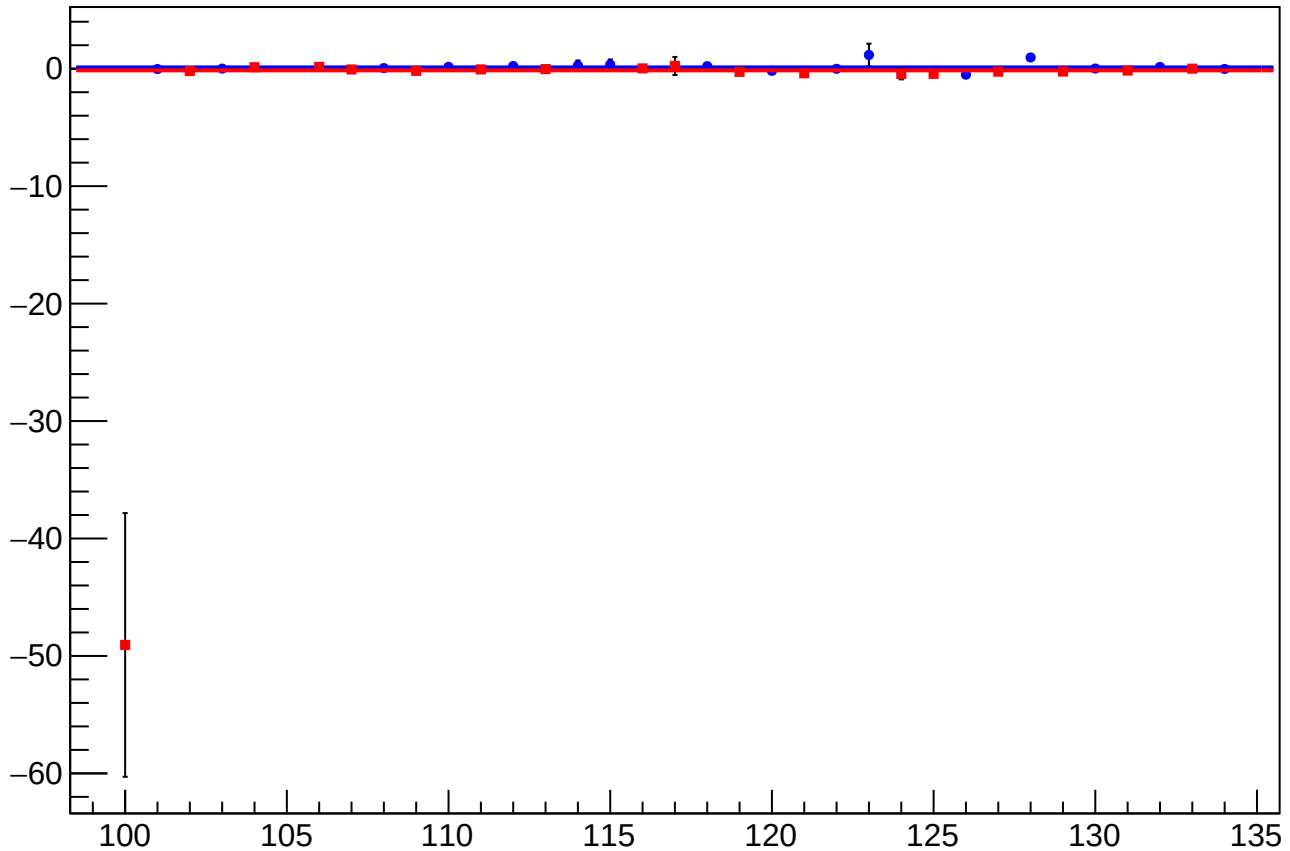
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

-0.011 $\pm$ 0.002  $\chi^2$ /NDF: 12.7/14

0.001 $\pm$ 0.001  $\chi^2$ /NDF: 11976.4/31

0.013 $\pm$ 0.002  $\chi^2$ /NDF: 11889.3/16

reg\_asym\_dsr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 0.110+/-0.065  $\chi^2/\text{NDF}$ : 21.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.141+/-0.066  $\chi^2/\text{NDF}$ : 24.6/17

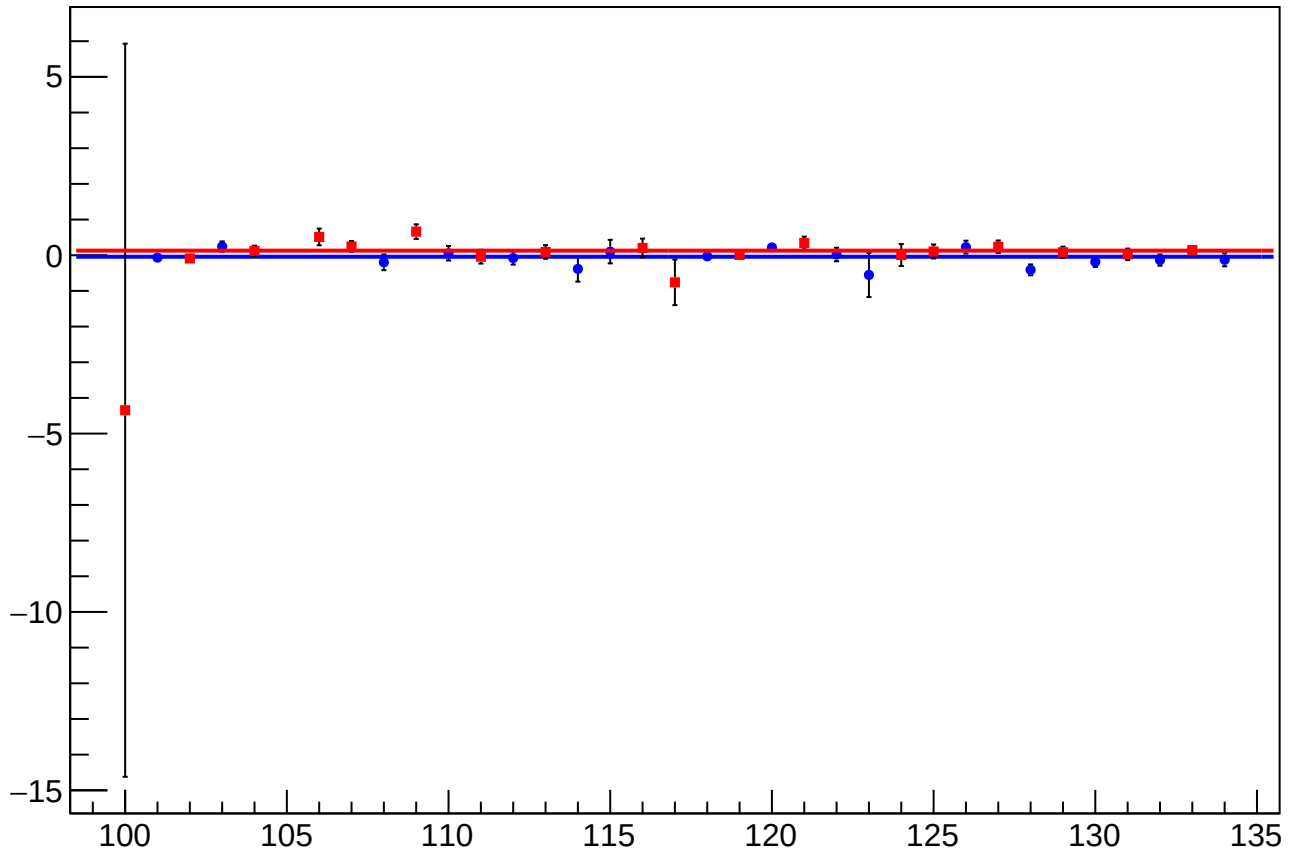
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.110+/-0.065  $\chi^2/\text{NDF}$ : 21.2/15

-0.014+/-0.046  $\chi^2/\text{NDF}$ : 53.1/33

-0.141+/-0.066  $\chi^2/\text{NDF}$ : 24.6/17

reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.038  $\chi^2/\text{NDF}$ : 20.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.129+/-0.041  $\chi^2/\text{NDF}$ : 19.2/17

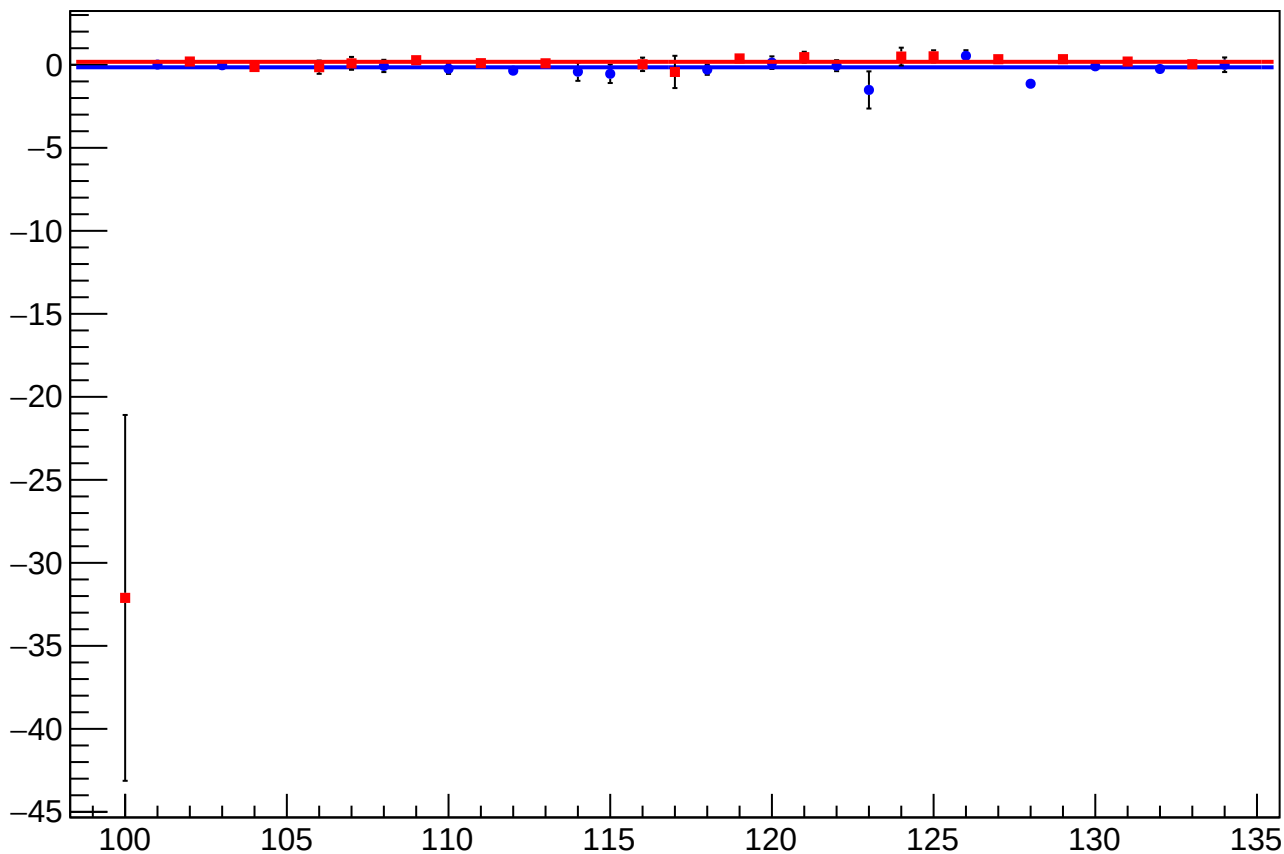
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.043+/-0.038  $\chi^2/\text{NDF}$ : 20.0/15

0.037+/-0.028  $\chi^2/\text{NDF}$ : 48.7/33

0.129+/-0.041  $\chi^2/\text{NDF}$ : 19.2/17

reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-0.149 \pm 0.070$   $\chi^2/\text{NDF}$ : 22.9/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.181 \pm 0.074$   $\chi^2/\text{NDF}$ : 15.0/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

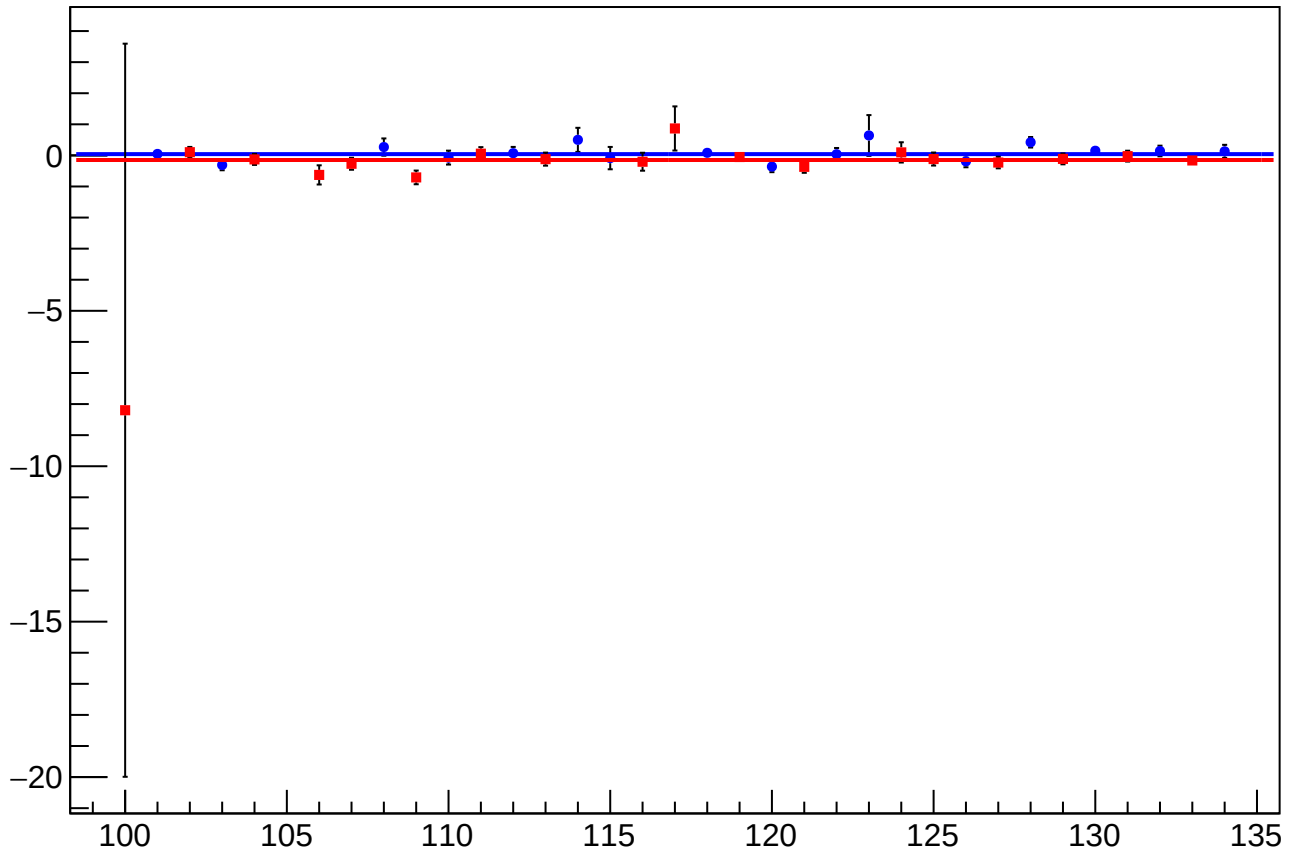
$-0.149 \pm 0.070$   $\chi^2/\text{NDF}$ : 22.9/15

$0.008 \pm 0.051$   $\chi^2/\text{NDF}$ : 48.5/33

$0.181 \pm 0.074$   $\chi^2/\text{NDF}$ : 15.0/17



reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.041+/-0.044  $\chi^2/\text{NDF}$ : 20.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.148+/-0.048  $\chi^2/\text{NDF}$ : 18.1/17

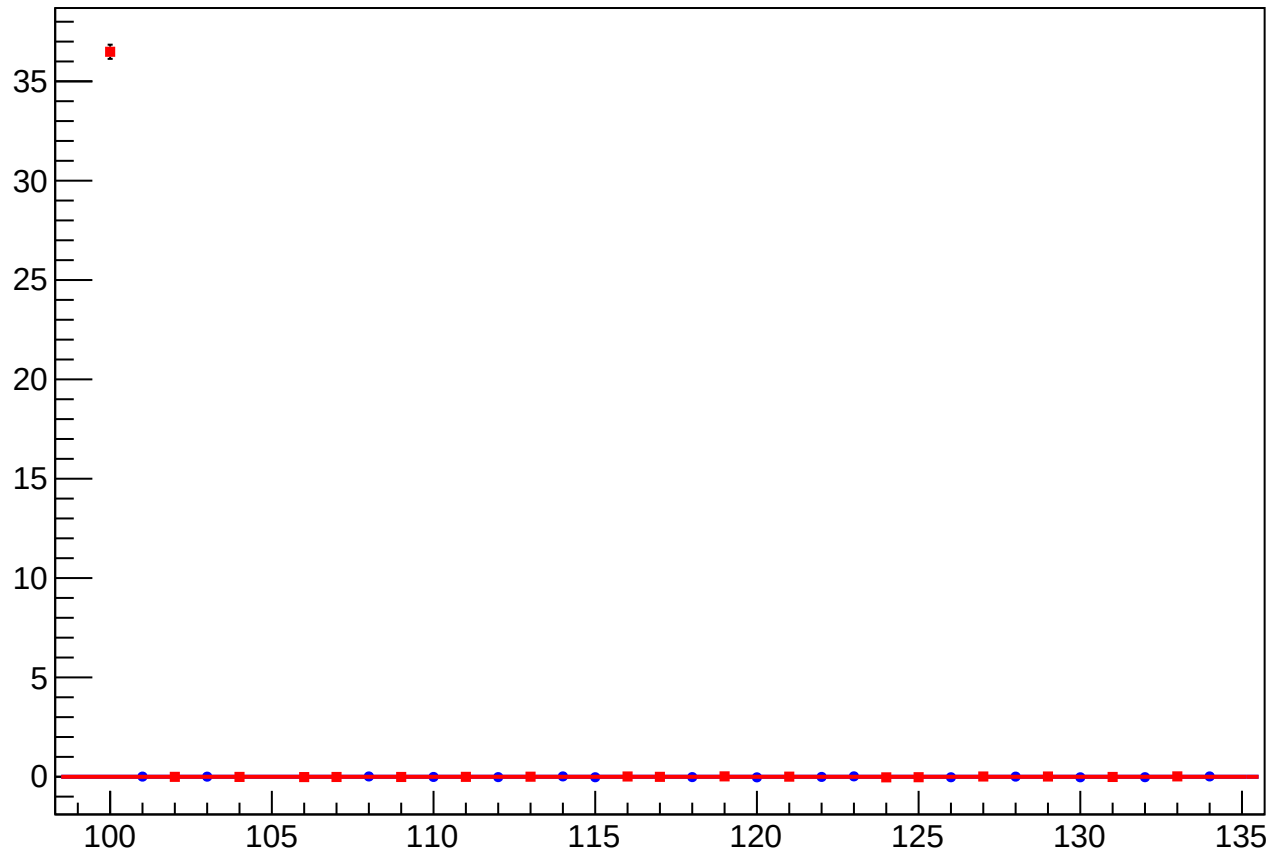
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.041+/-0.044  $\chi^2/\text{NDF}$ : 20.3/15

-0.047+/-0.032  $\chi^2/\text{NDF}$ : 46.8/33

-0.148+/-0.048  $\chi^2/\text{NDF}$ : 18.1/17

reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002  $\chi^2$ /NDF: 31.3/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.002 $\pm$ 0.002  $\chi^2$ /NDF: 10447.5/17

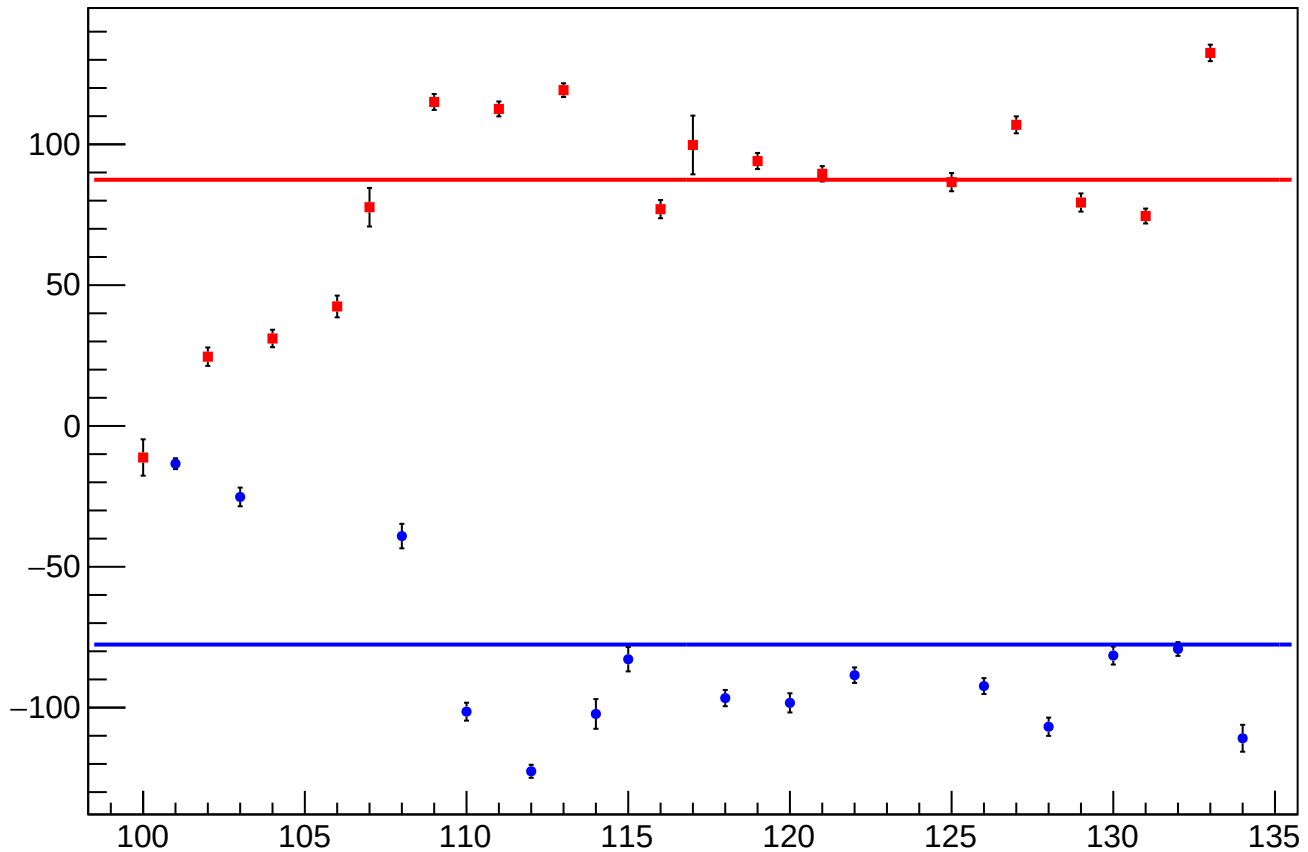
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.000 $\pm$ 0.002  $\chi^2$ /NDF: 31.3/15

-0.001 $\pm$ 0.002  $\chi^2$ /NDF: 10479.2/33

-0.002 $\pm$ 0.002  $\chi^2$ /NDF: 10447.5/17

reg\_asym\_us\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -77.608 $\pm$ 0.777  $\chi^2$ /NDF: 2154.3/14

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 87.426 $\pm$ 0.774  $\chi^2$ /NDF: 1749.8/16

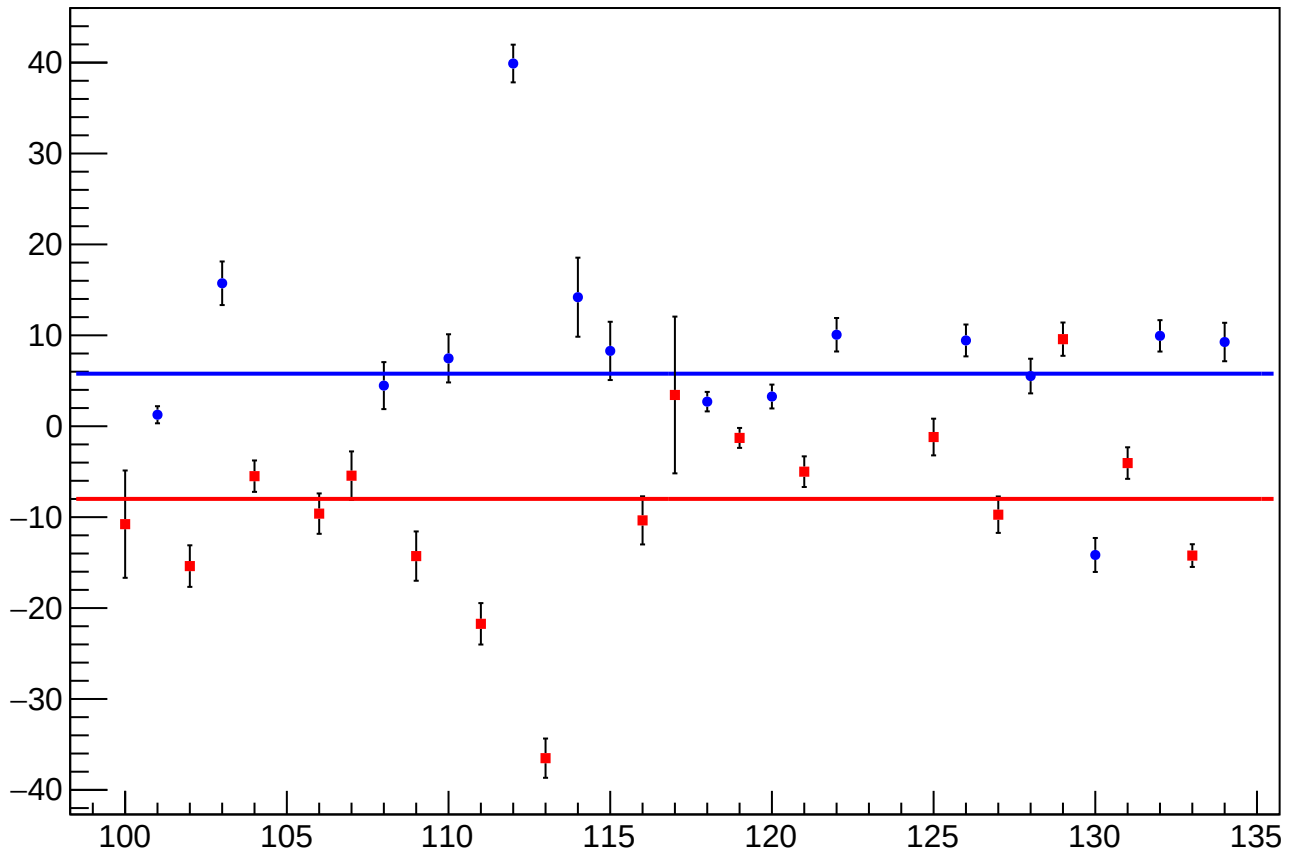
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-77.608 $\pm$ 0.777  $\chi^2$ /NDF: 2154.3/14

5.169 $\pm$ 0.548  $\chi^2$ /NDF: 26552.9/31

87.426 $\pm$ 0.774  $\chi^2$ /NDF: 1749.8/16

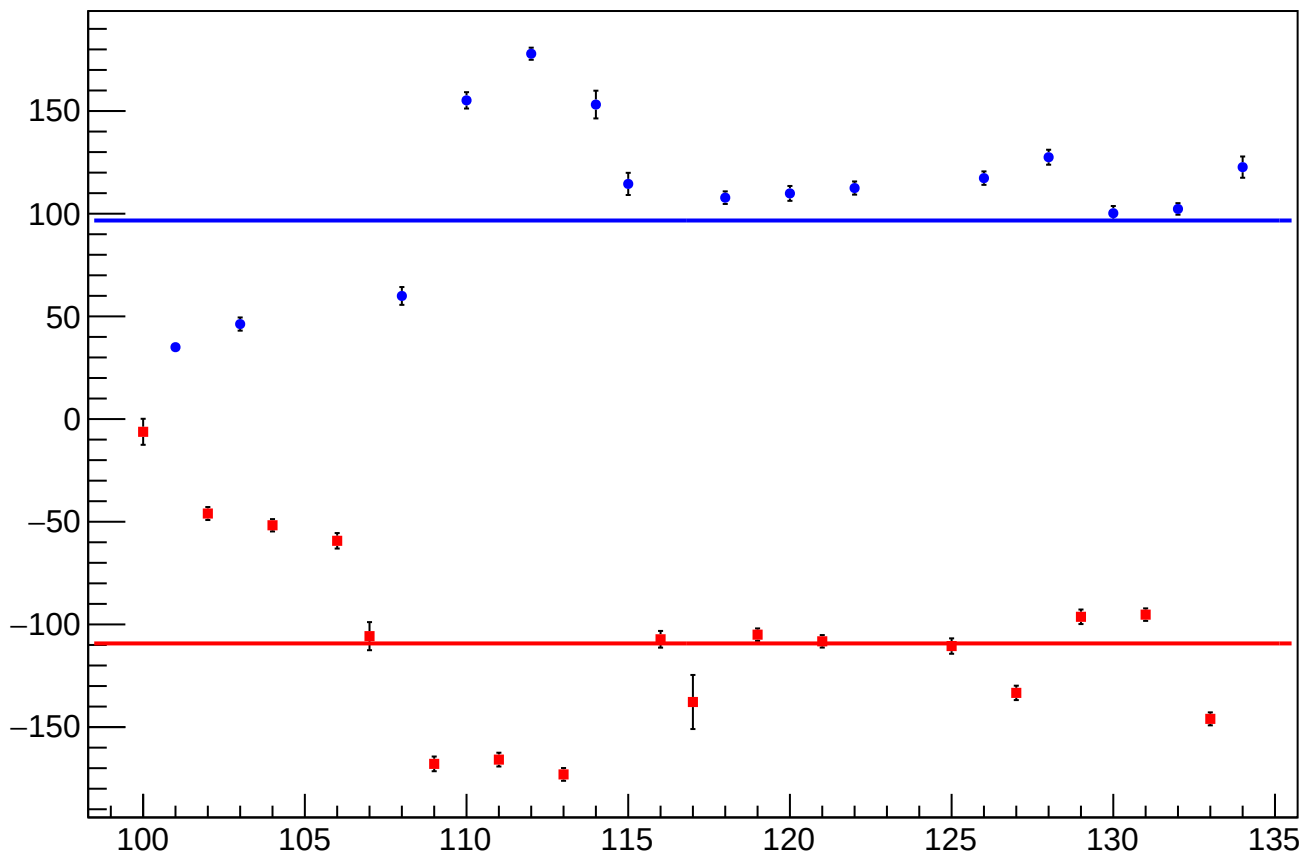
reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.781+/-0.440  $\chi^2/\text{NDF}$ : 460.1/14  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -7.992+/-0.469  $\chi^2/\text{NDF}$ : 407.8/16  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.781+/-0.440  $\chi^2/\text{NDF}$ : 460.1/14  
 -0.661+/-0.321  $\chi^2/\text{NDF}$ : 1326.9/31  
 -7.992+/-0.469  $\chi^2/\text{NDF}$ : 407.8/16

reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 96.690+/-0.855  $\chi^2/\text{NDF}$ : 2673.6/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -109.253+/-0.870  $\chi^2/\text{NDF}$ : 2403.8/16

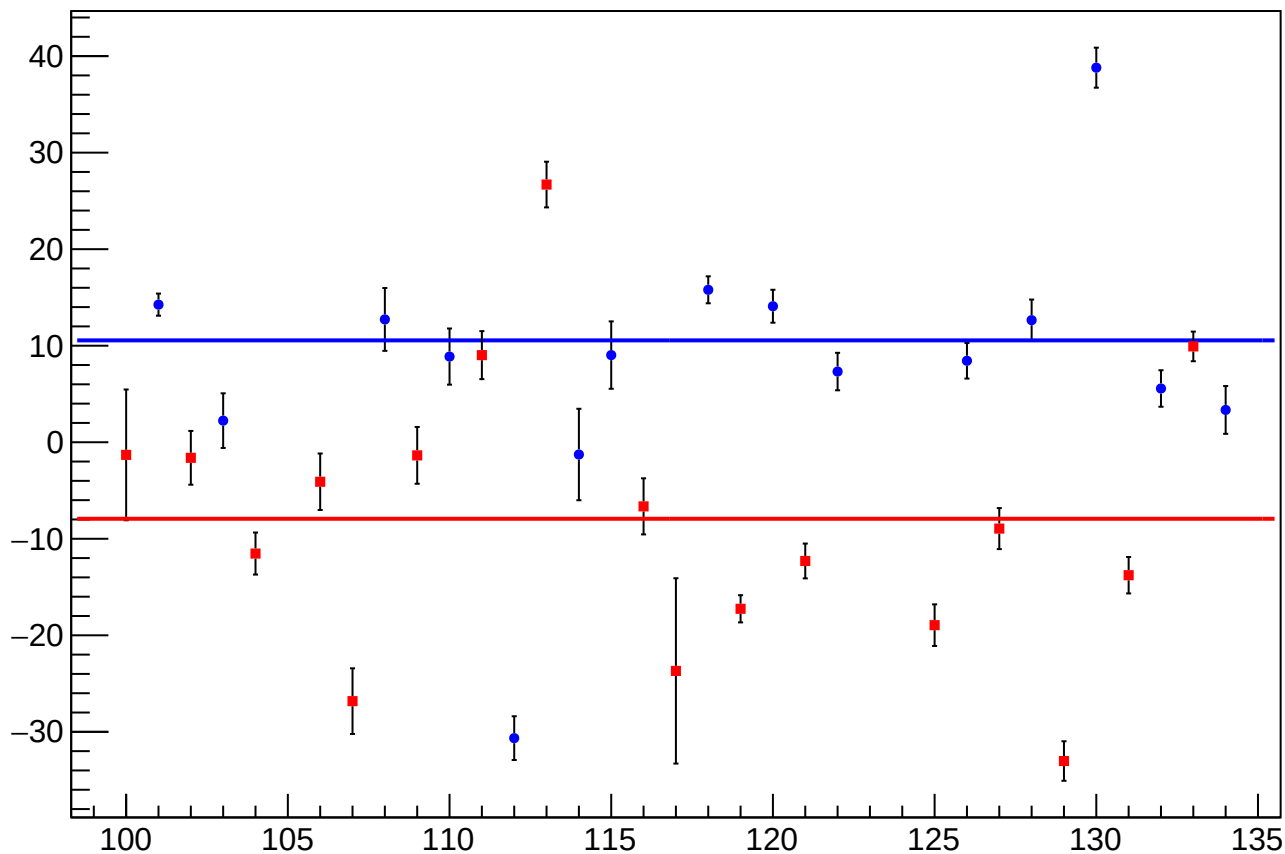
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

96.690+/-0.855  $\chi^2/\text{NDF}$ : 2673.6/14

-4.459+/-0.610  $\chi^2/\text{NDF}$ : 33567.7/31

-109.253+/-0.870  $\chi^2/\text{NDF}$ : 2403.8/16

reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 10.552+/-0.518  $\chi^2/\text{NDF}$ : 581.4/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.928+/-0.547  $\chi^2/\text{NDF}$ : 680.9/16

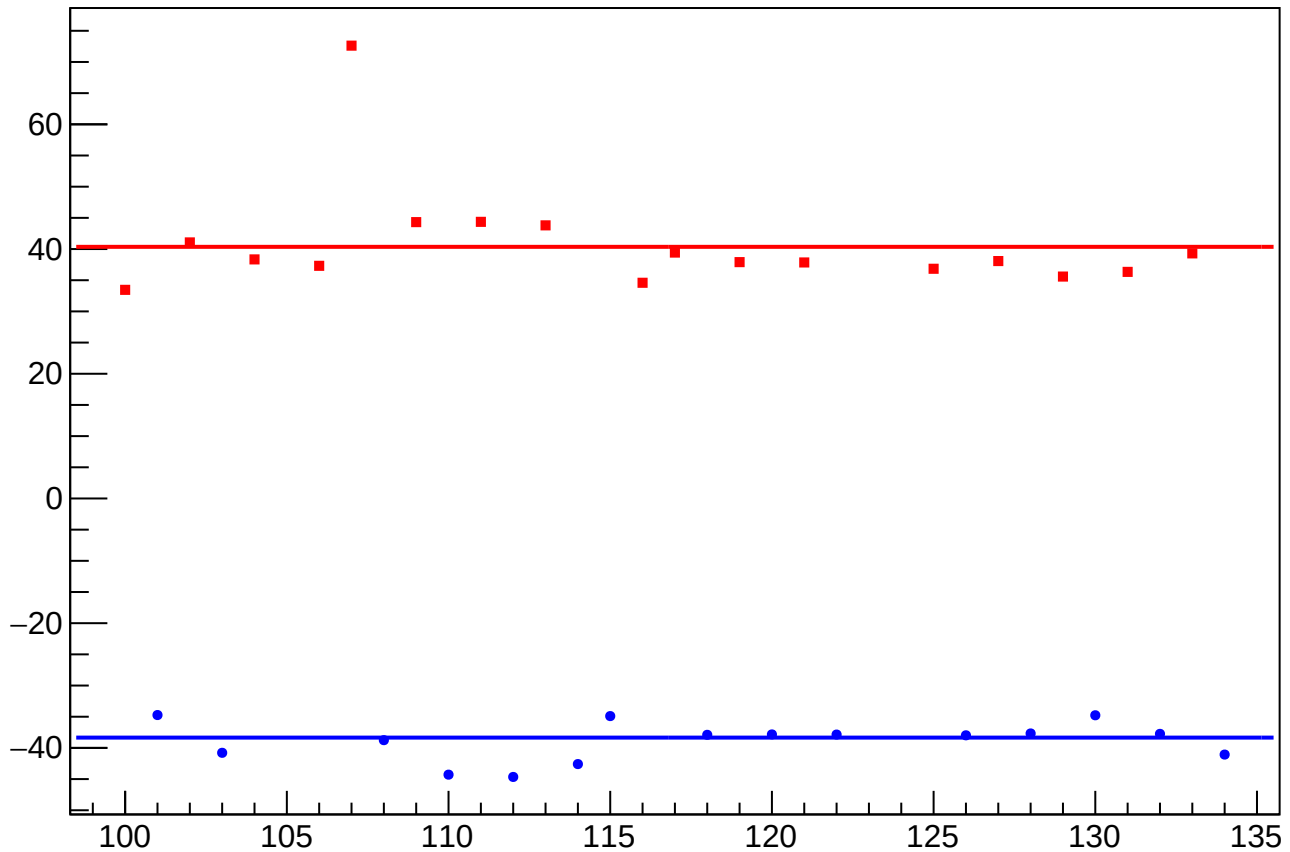
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

10.552+/-0.518  $\chi^2/\text{NDF}$ : 581.4/14

1.824+/-0.376  $\chi^2/\text{NDF}$ : 1864.2/31

-7.928+/-0.547  $\chi^2/\text{NDF}$ : 680.9/16

reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.348+/-0.031  $\chi^2/\text{NDF}$ : 8559.0/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.354+/-0.031  $\chi^2/\text{NDF}$ : 51110.0/16

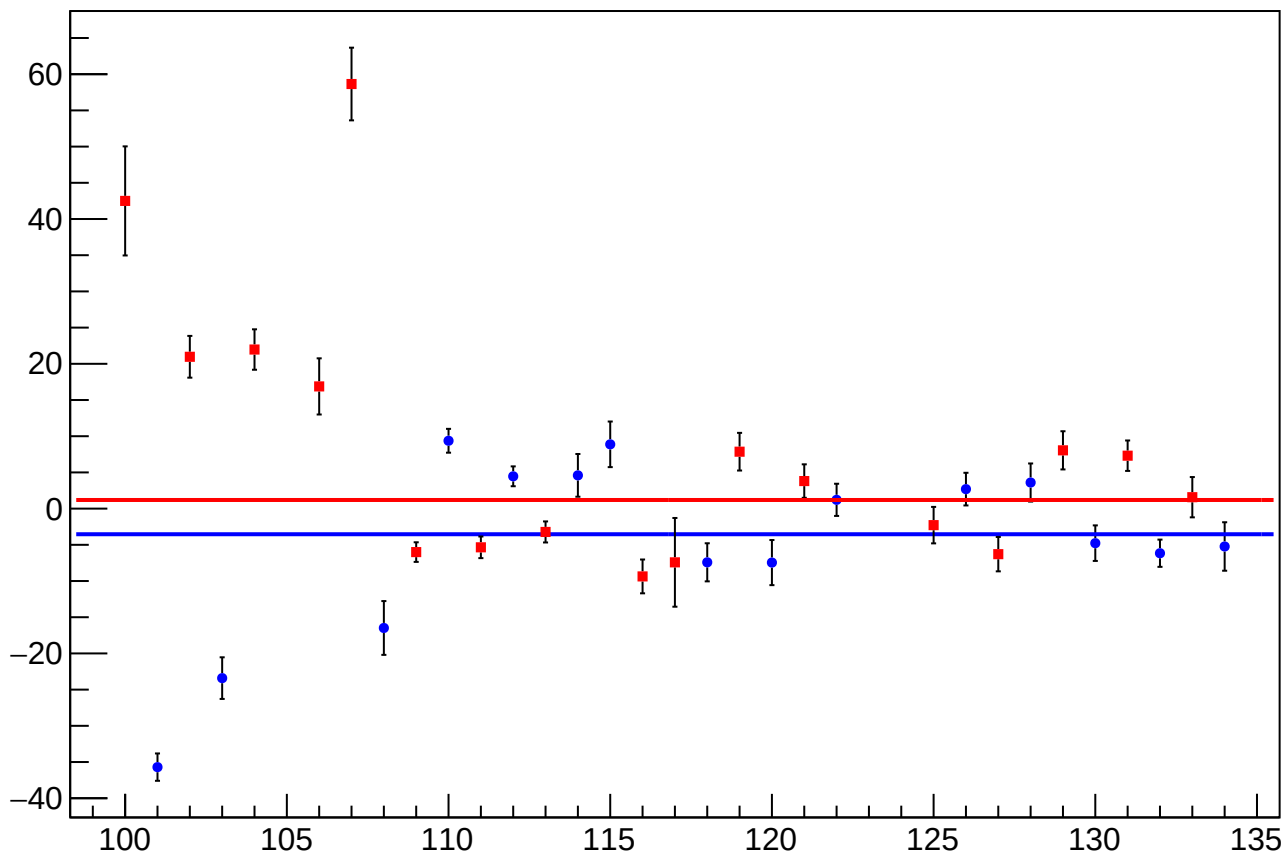
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-38.348+/-0.031  $\chi^2/\text{NDF}$ : 8559.0/14

1.274+/-0.022  $\chi^2/\text{NDF}$ : 3254509.8/31

40.354+/-0.031  $\chi^2/\text{NDF}$ : 51110.0/16

reg\_asym\_us\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -3.538+/-0.585  $\chi^2/\text{NDF}$ : 494.5/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.192+/-0.557  $\chi^2/\text{NDF}$ : 393.8/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

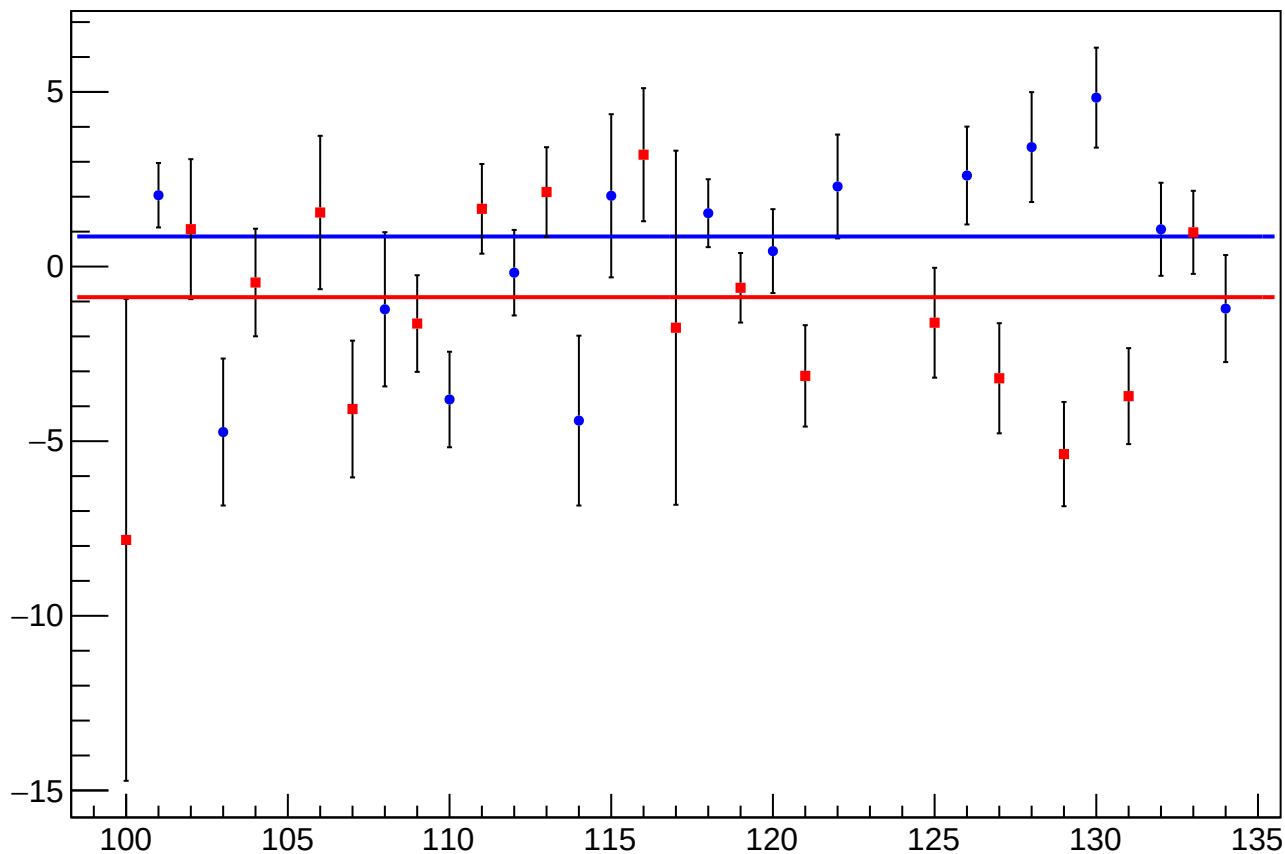
-3.538+/-0.585  $\chi^2/\text{NDF}$ : 494.5/14

-1.058+/-0.404  $\chi^2/\text{NDF}$ : 922.6/31

1.192+/-0.557  $\chi^2/\text{NDF}$ : 393.8/16



reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.861+/-0.359  $\chi^2/\text{NDF}$ : 42.2/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.876+/-0.373  $\chi^2/\text{NDF}$ : 40.8/16

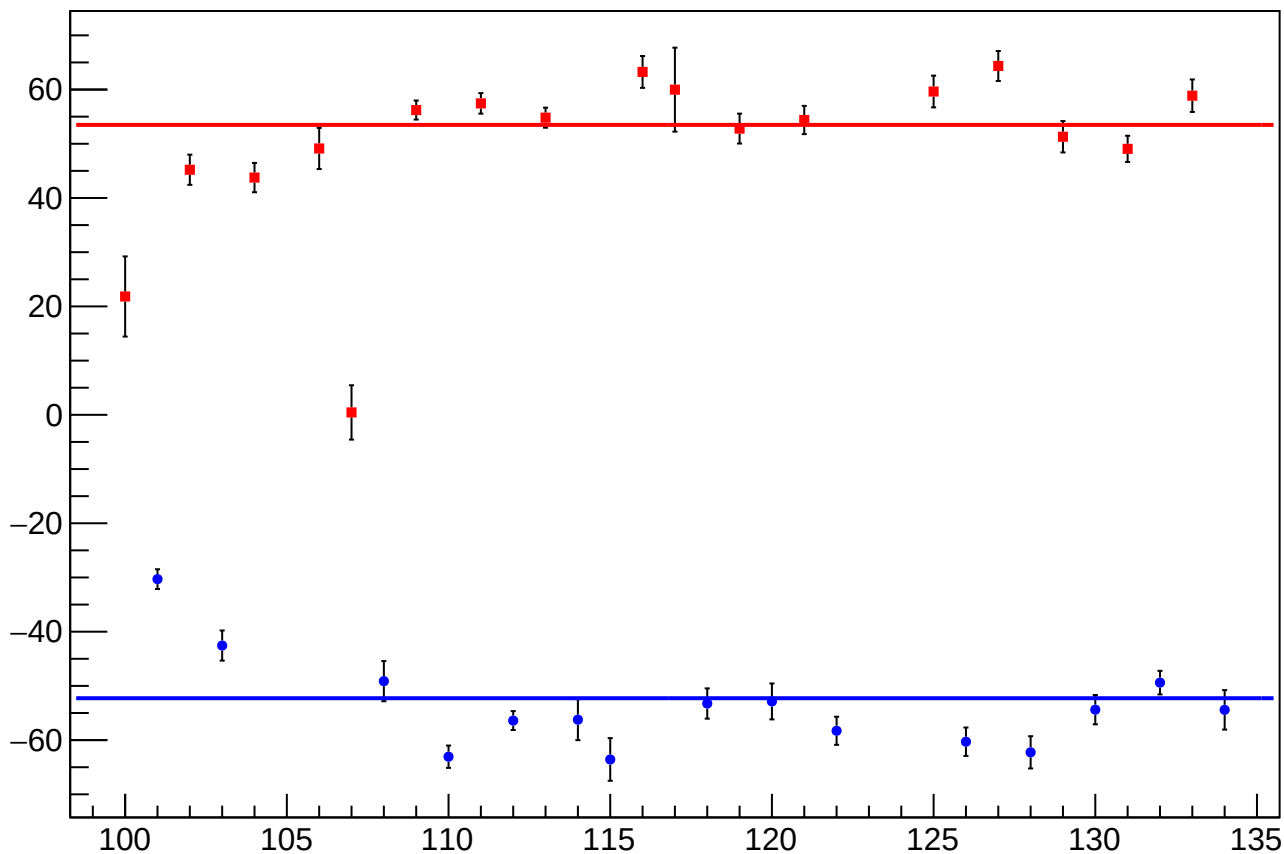
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.861+/-0.359  $\chi^2/\text{NDF}$ : 42.2/14

0.026+/-0.259  $\chi^2/\text{NDF}$ : 94.3/31

-0.876+/-0.373  $\chi^2/\text{NDF}$ : 40.8/16

reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -52.272 $\pm$ 0.666  $\chi^2/\text{NDF}$ : 230.0/14

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 53.482 $\pm$ 0.652  $\chi^2/\text{NDF}$ : 199.8/16

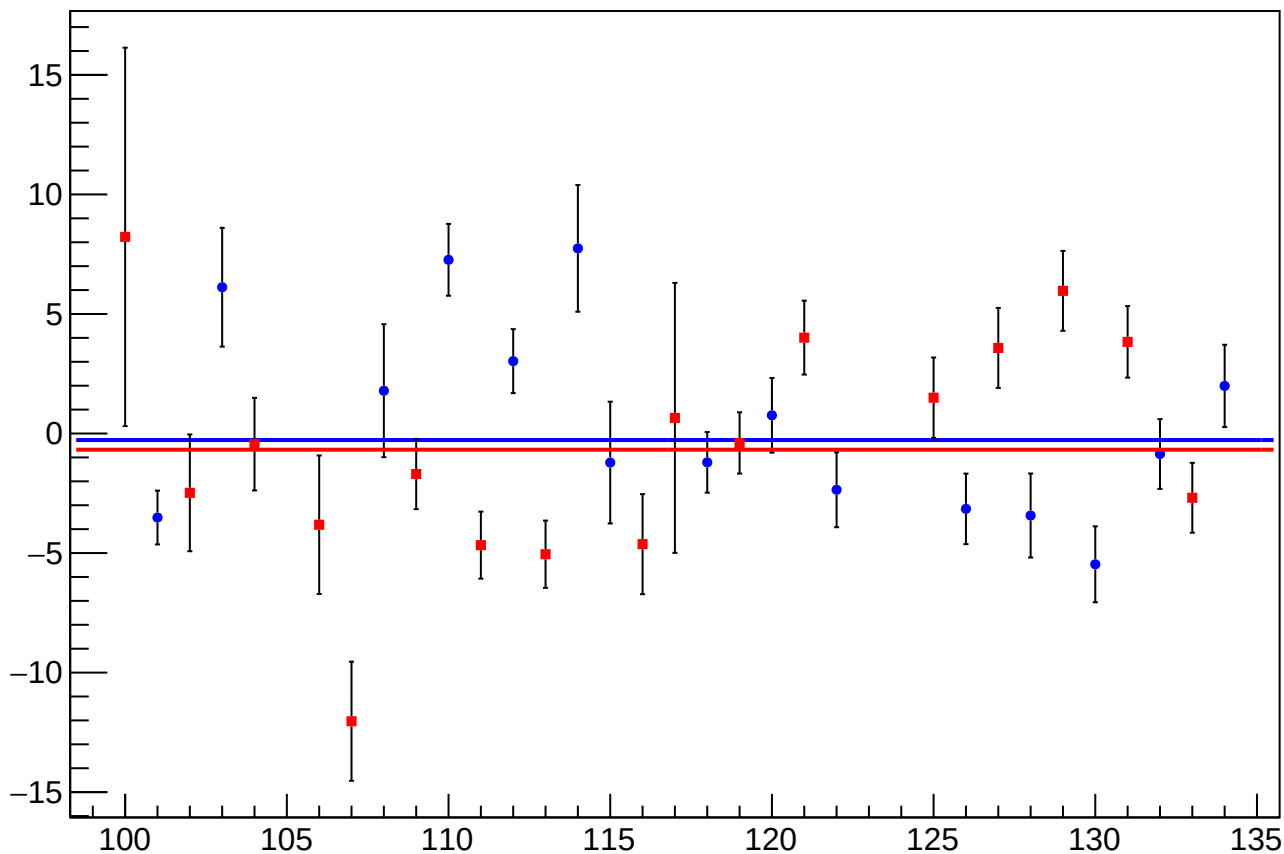
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

-52.272 $\pm$ 0.666  $\chi^2/\text{NDF}$ : 230.0/14

1.723 $\pm$ 0.466  $\chi^2/\text{NDF}$ : 13299.2/31

53.482 $\pm$ 0.652  $\chi^2/\text{NDF}$ : 199.8/16

reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.415  $\chi^2$ /NDF: 78.4/14

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.677+/-0.427  $\chi^2$ /NDF: 89.8/16

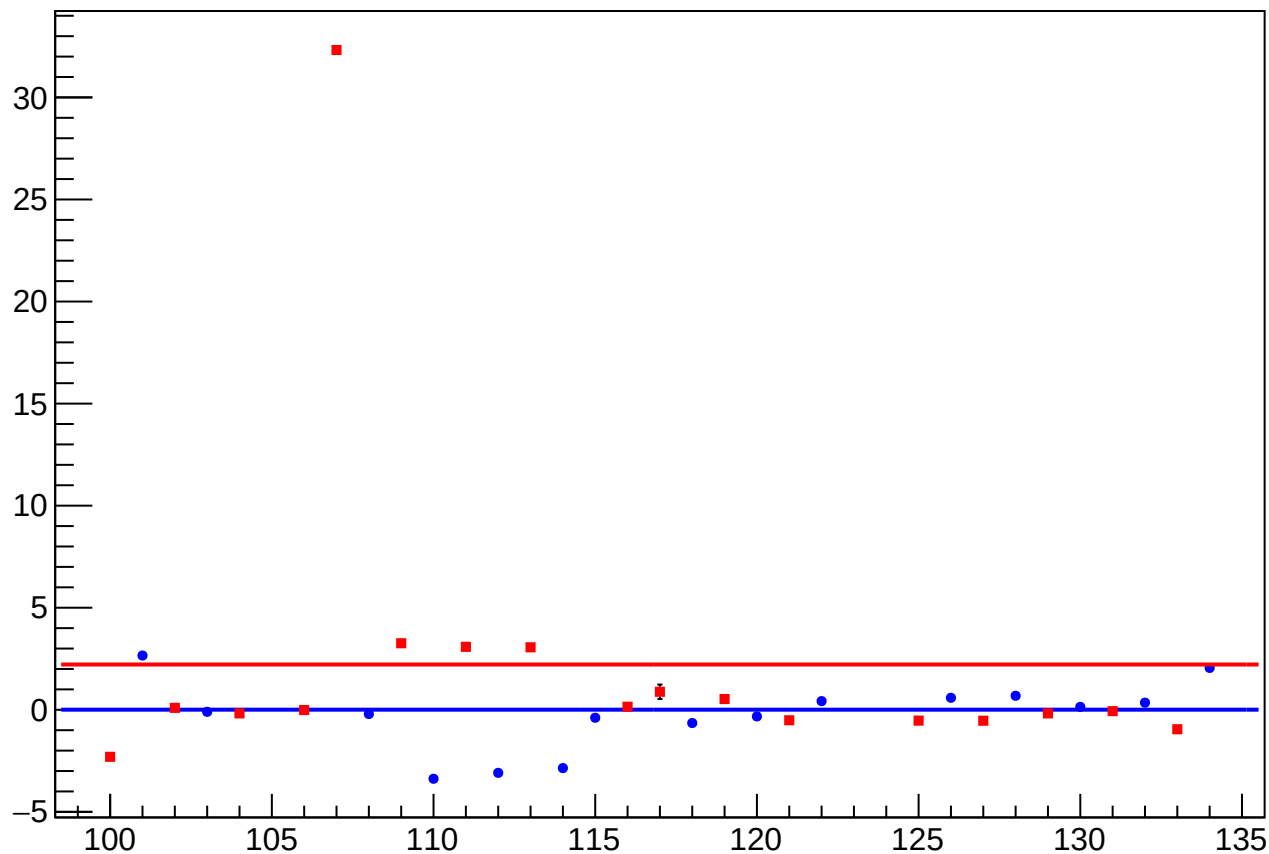
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-0.272+/-0.415  $\chi^2$ /NDF: 78.4/14

-0.469+/-0.298  $\chi^2$ /NDF: 168.7/31

-0.677+/-0.427  $\chi^2$ /NDF: 89.8/16

reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.006+/-0.025  $\chi^2/\text{NDF}$ : 5163.6/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.218+/-0.025  $\chi^2/\text{NDF}$ : 75448.6/16

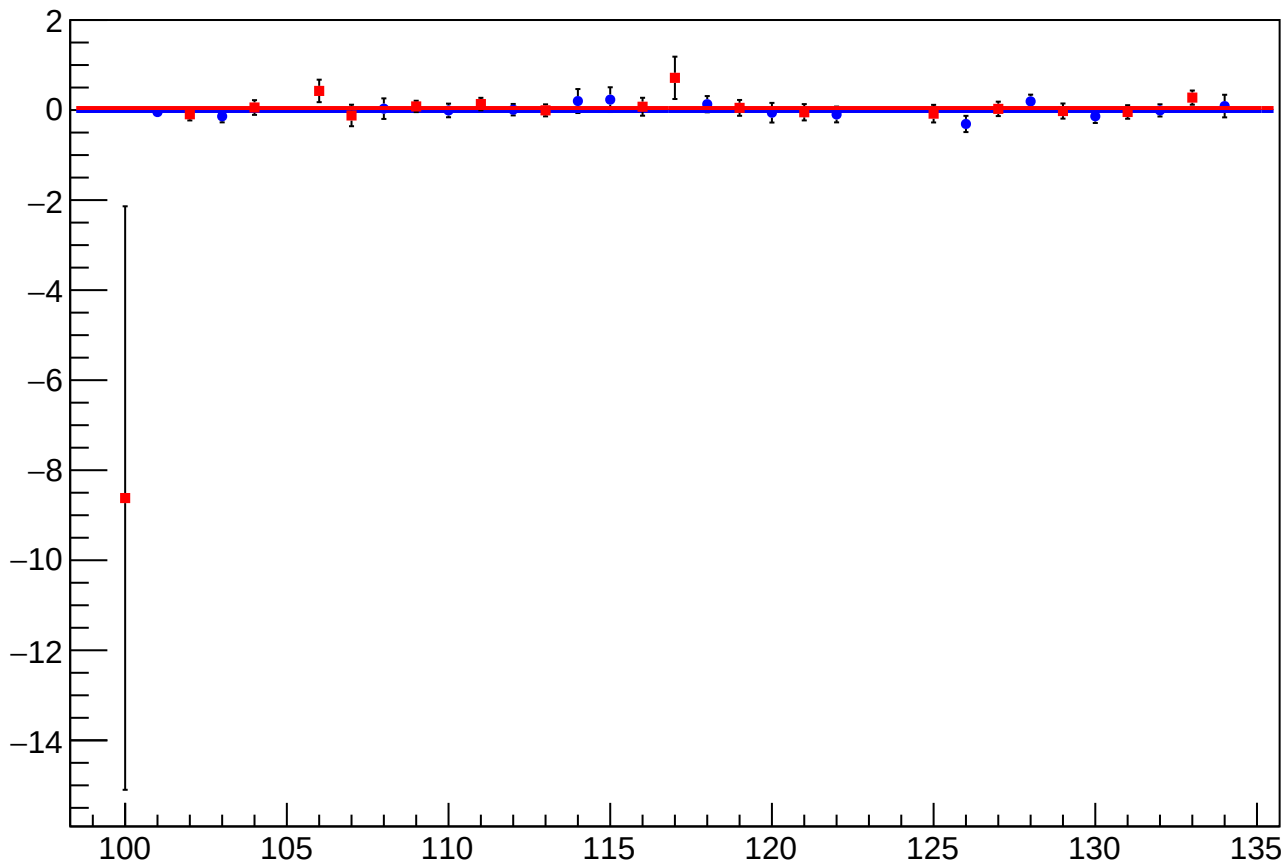
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.025  $\chi^2/\text{NDF}$ : 5163.6/14

1.123+/-0.018  $\chi^2/\text{NDF}$ : 84537.0/31

2.218+/-0.025  $\chi^2/\text{NDF}$ : 75448.6/16

reg\_asym\_ds\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -0.021+/-0.041  $\chi^2/\text{NDF}$ : 8.8/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.045+/-0.042  $\chi^2/\text{NDF}$ : 11.6/16

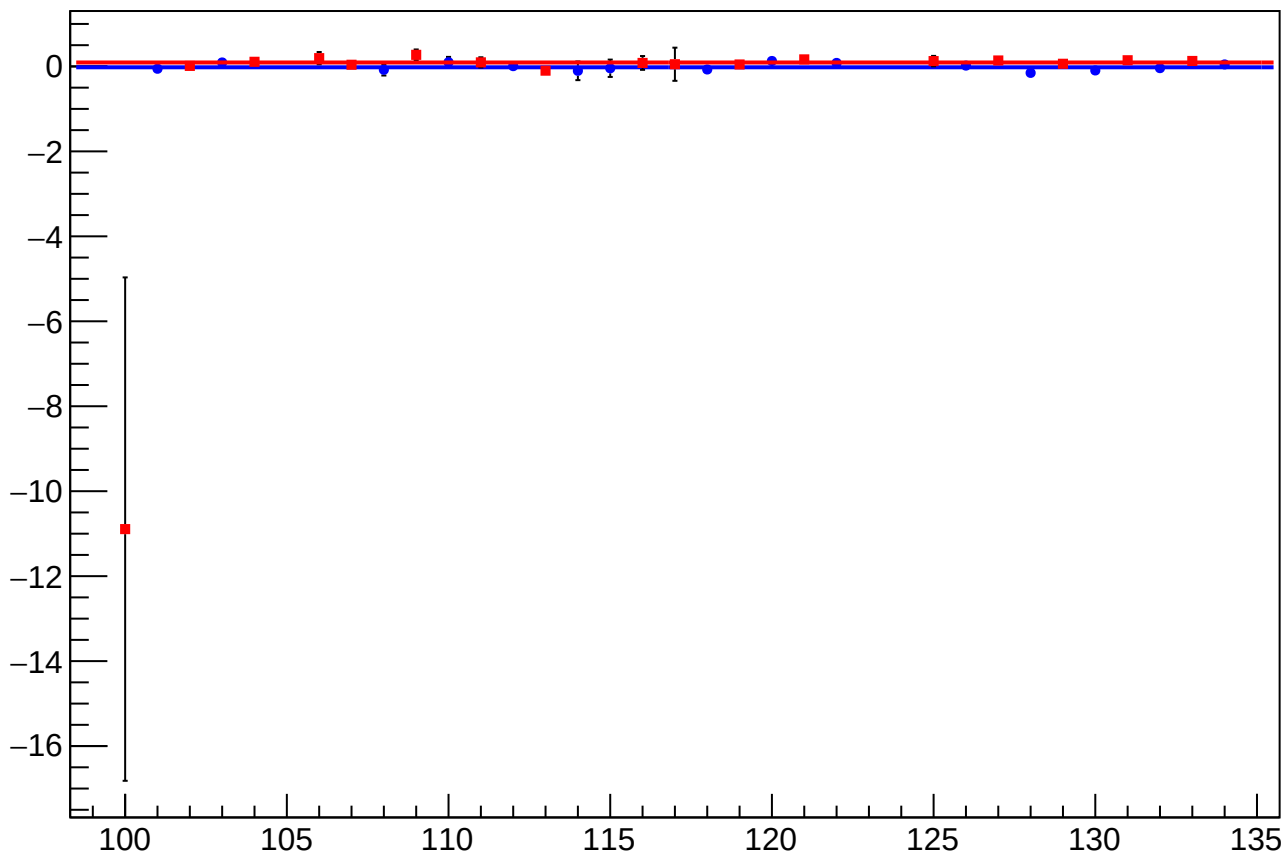
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.021+/-0.041  $\chi^2/\text{NDF}$ : 8.8/14

0.012+/-0.029  $\chi^2/\text{NDF}$ : 21.7/31

0.045+/-0.042  $\chi^2/\text{NDF}$ : 11.6/16

reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.021+/-0.024  $\chi^2/\text{NDF}$ : 10.8/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.093+/-0.026  $\chi^2/\text{NDF}$ : 11.6/16

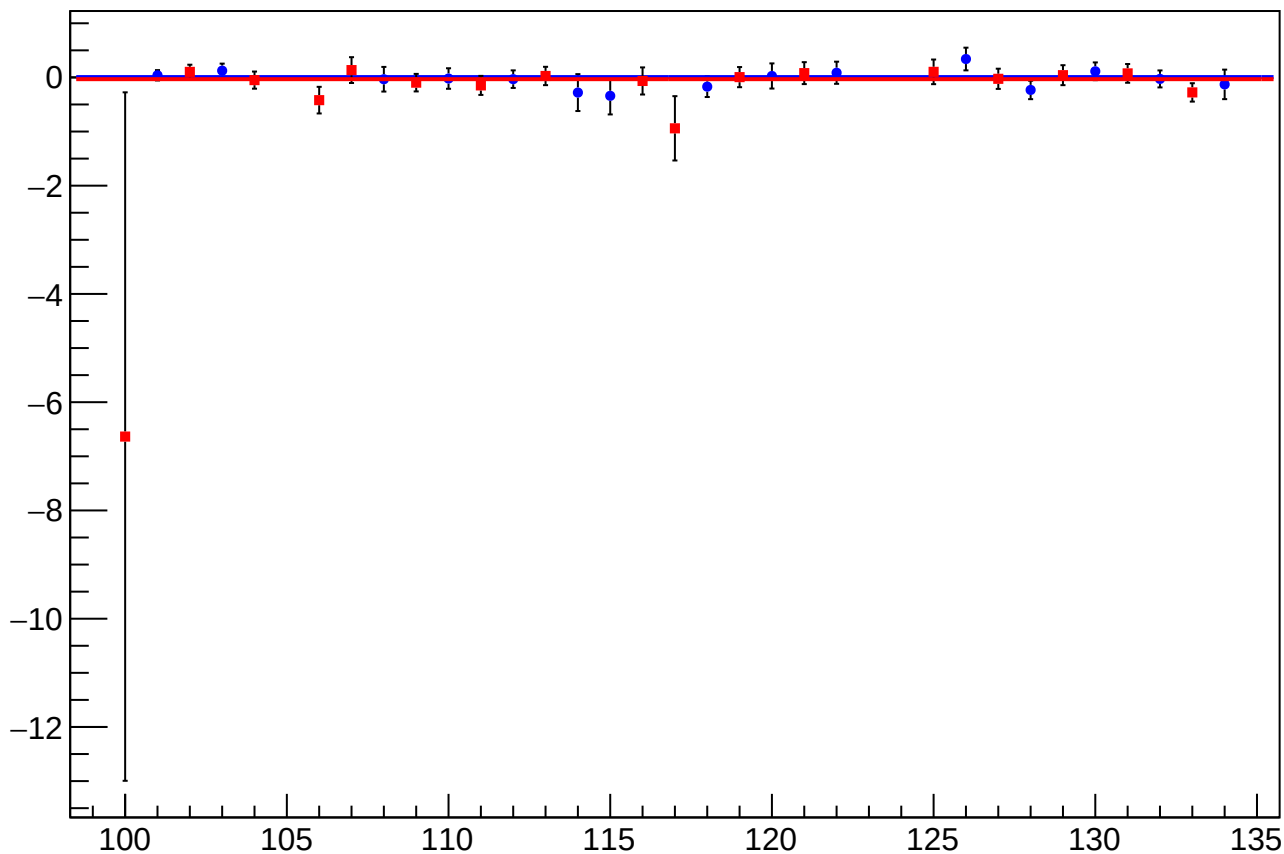
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.021+/-0.024  $\chi^2/\text{NDF}$ : 10.8/14

0.032+/-0.018  $\chi^2/\text{NDF}$ : 32.7/31

0.093+/-0.026  $\chi^2/\text{NDF}$ : 11.6/16

reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.006+/-0.045  $\chi^2/\text{NDF}$ : 9.0/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.033+/-0.047  $\chi^2/\text{NDF}$ : 11.5/16

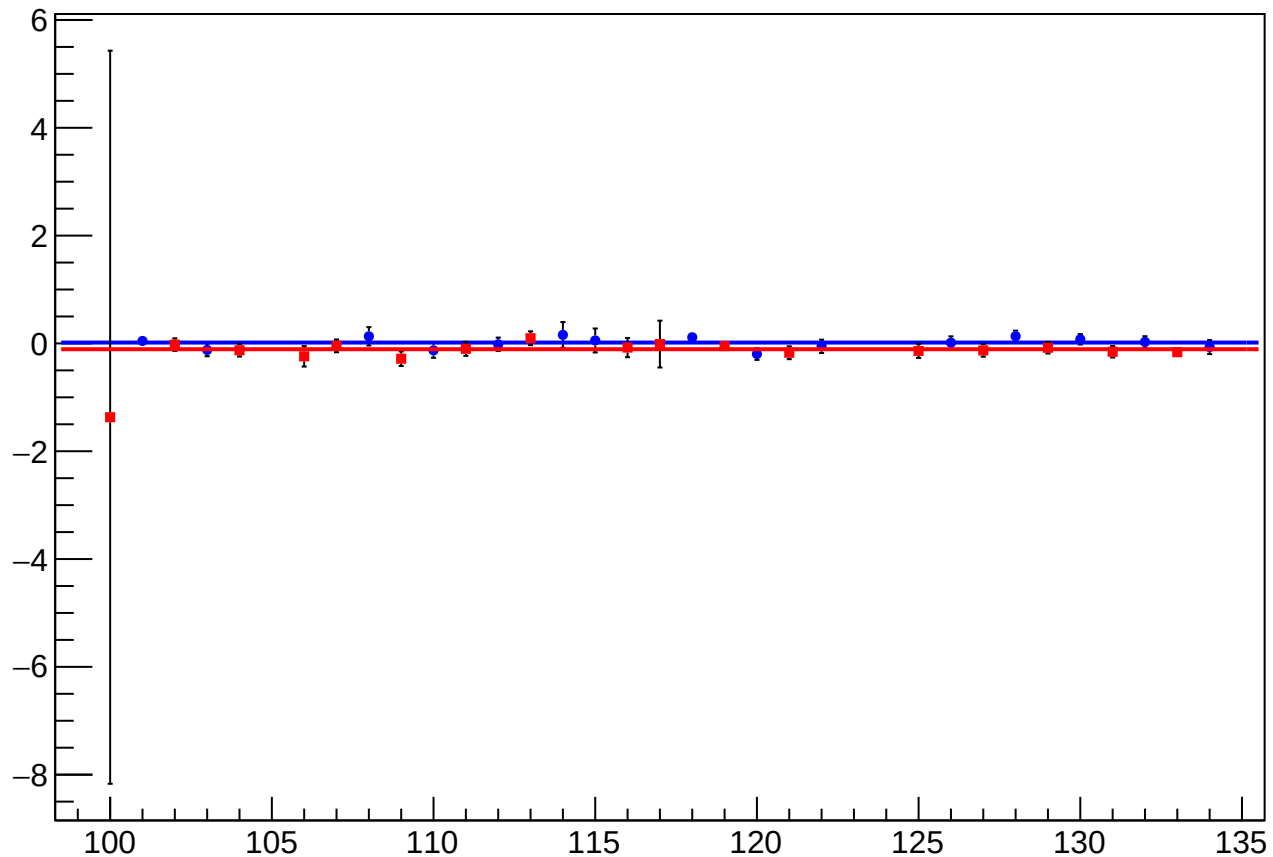
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.045  $\chi^2/\text{NDF}$ : 9.0/14

-0.013+/-0.033  $\chi^2/\text{NDF}$ : 20.8/31

-0.033+/-0.047  $\chi^2/\text{NDF}$ : 11.5/16

reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.016+/-0.028  $\chi^2/\text{NDF}$ : 11.1/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.108+/-0.030  $\chi^2/\text{NDF}$ : 7.1/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

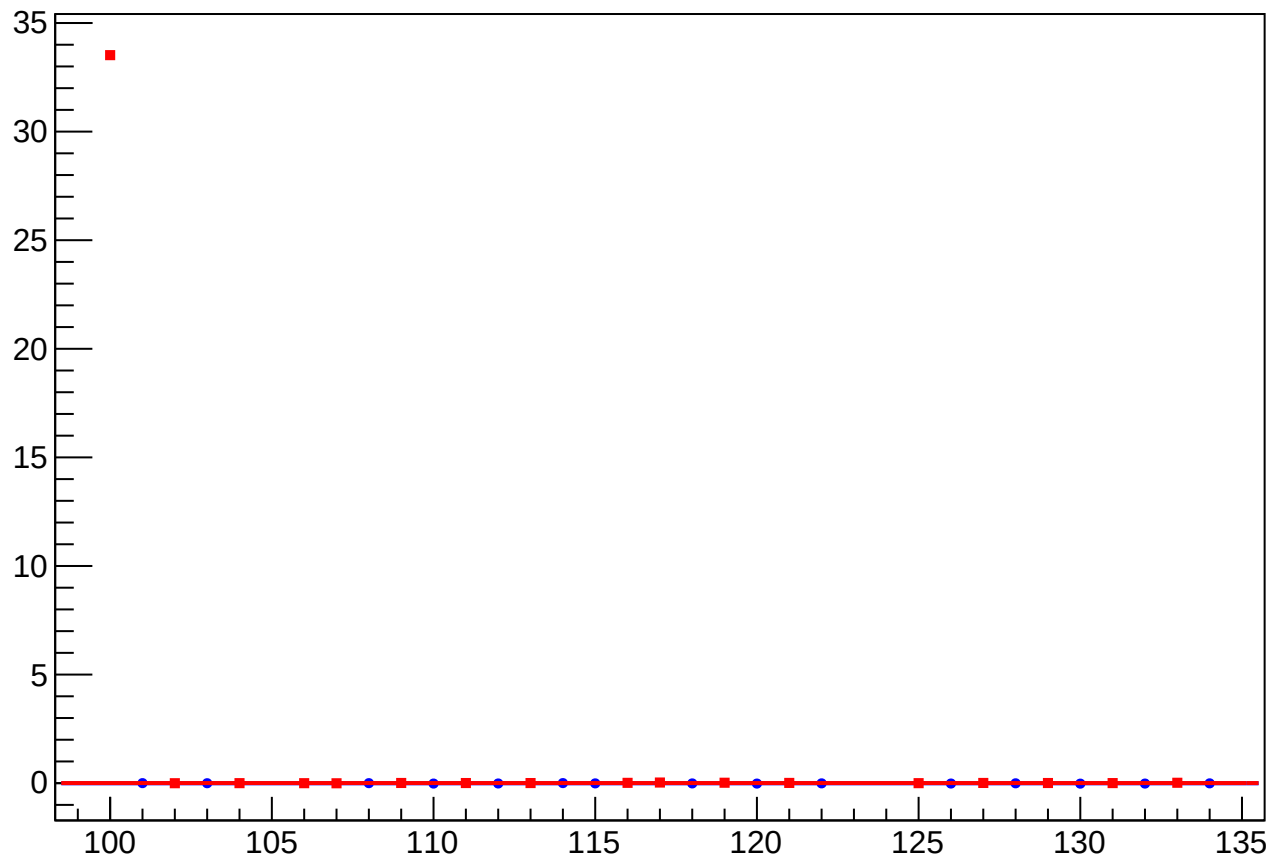
0.016+/-0.028  $\chi^2/\text{NDF}$ : 11.1/14

-0.042+/-0.021  $\chi^2/\text{NDF}$ : 27.2/31

-0.108+/-0.030  $\chi^2/\text{NDF}$ : 7.1/16



reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.002  $\chi^2$ /NDF: 22.2/14

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.006 $\pm$ 0.002  $\chi^2$ /NDF: 26507.4/16

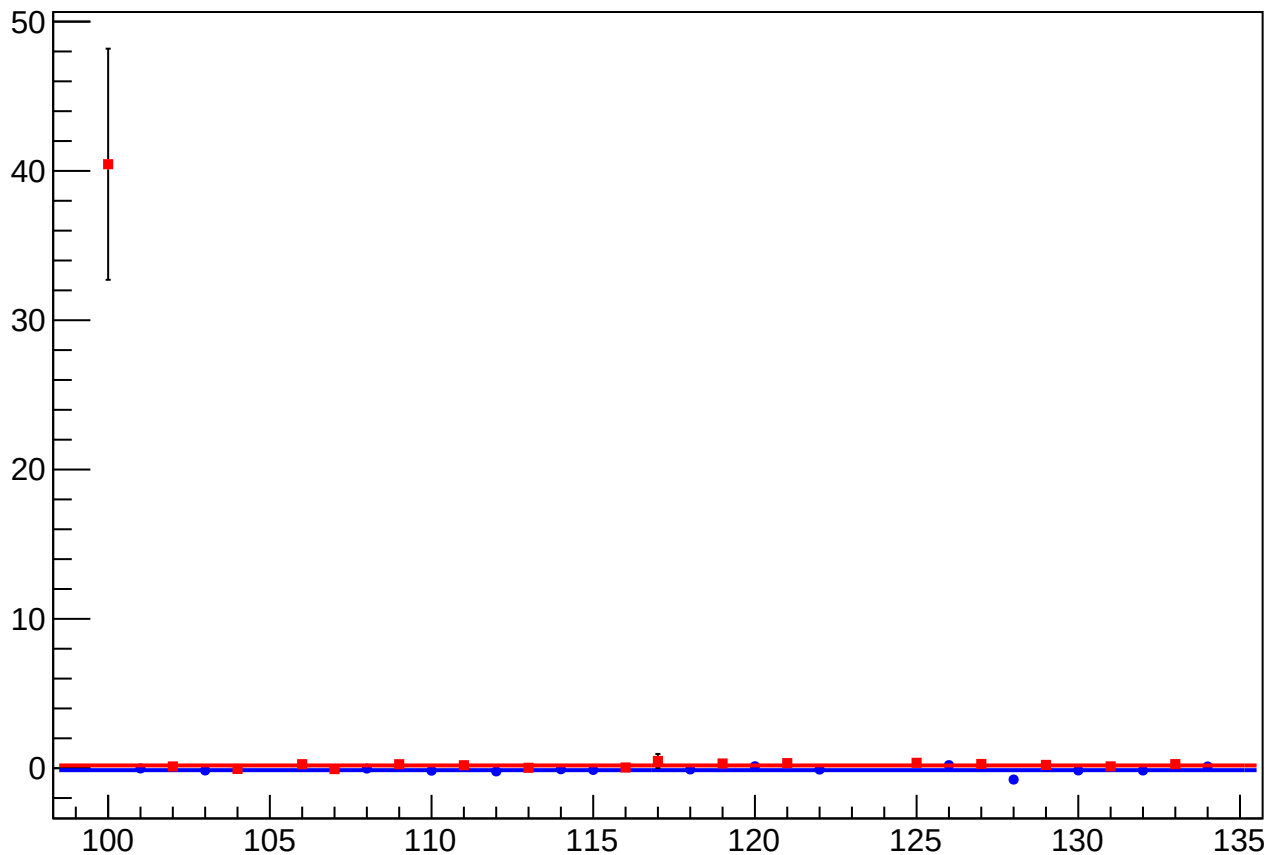
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.006 $\pm$ 0.002  $\chi^2$ /NDF: 22.2/14

-0.000 $\pm$ 0.001  $\chi^2$ /NDF: 26555.5/31

0.006 $\pm$ 0.002  $\chi^2$ /NDF: 26507.4/16

reg\_asym\_ds\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.134 \pm 0.041$   $\chi^2/\text{NDF}$ : 25.8/14

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.182 \pm 0.042$   $\chi^2/\text{NDF}$ : 36.3/16

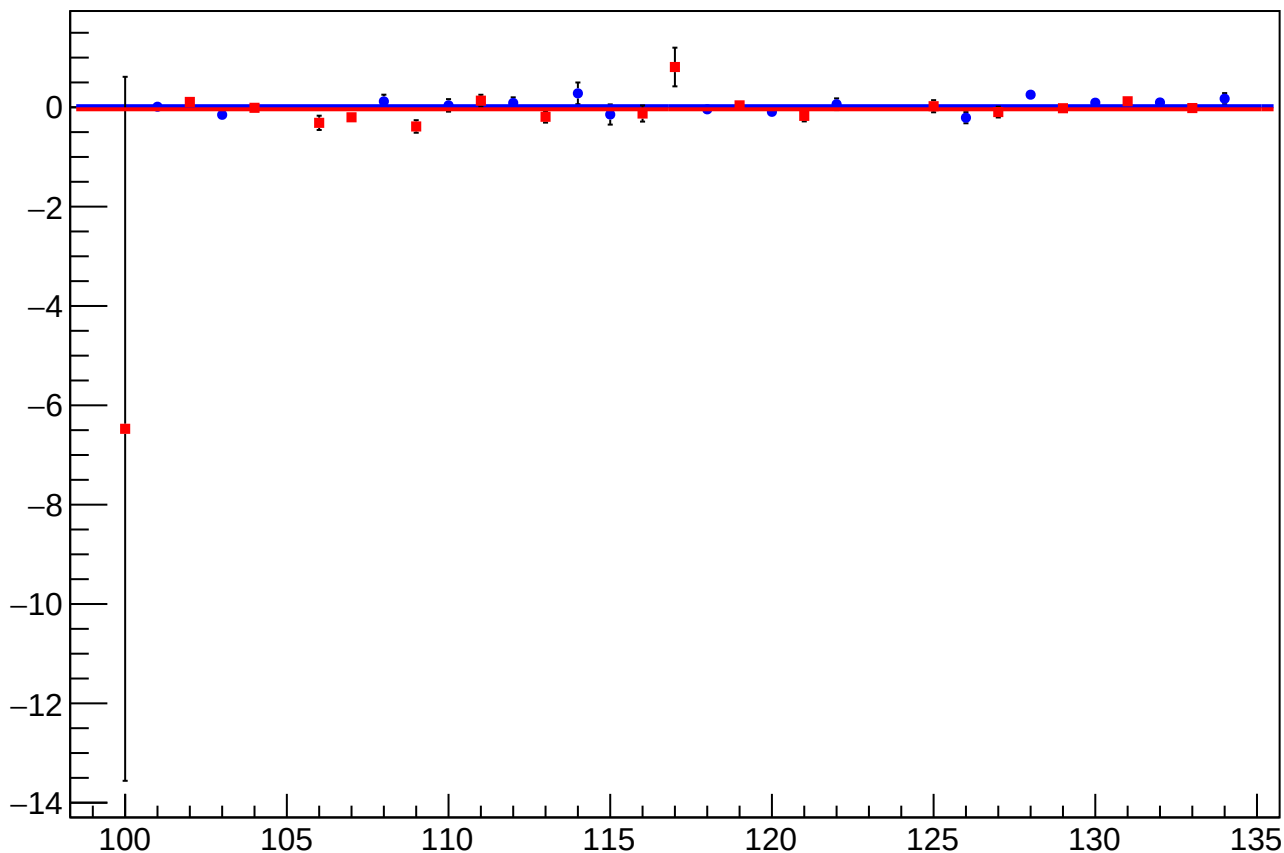
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.134 \pm 0.041$   $\chi^2/\text{NDF}$ : 25.8/14

$0.023 \pm 0.029$   $\chi^2/\text{NDF}$ : 91.0/31

$0.182 \pm 0.042$   $\chi^2/\text{NDF}$ : 36.3/16

reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.022+/-0.024  $\chi^2/\text{NDF}$ : 22.3/14

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.040+/-0.026  $\chi^2/\text{NDF}$ : 32.3/16

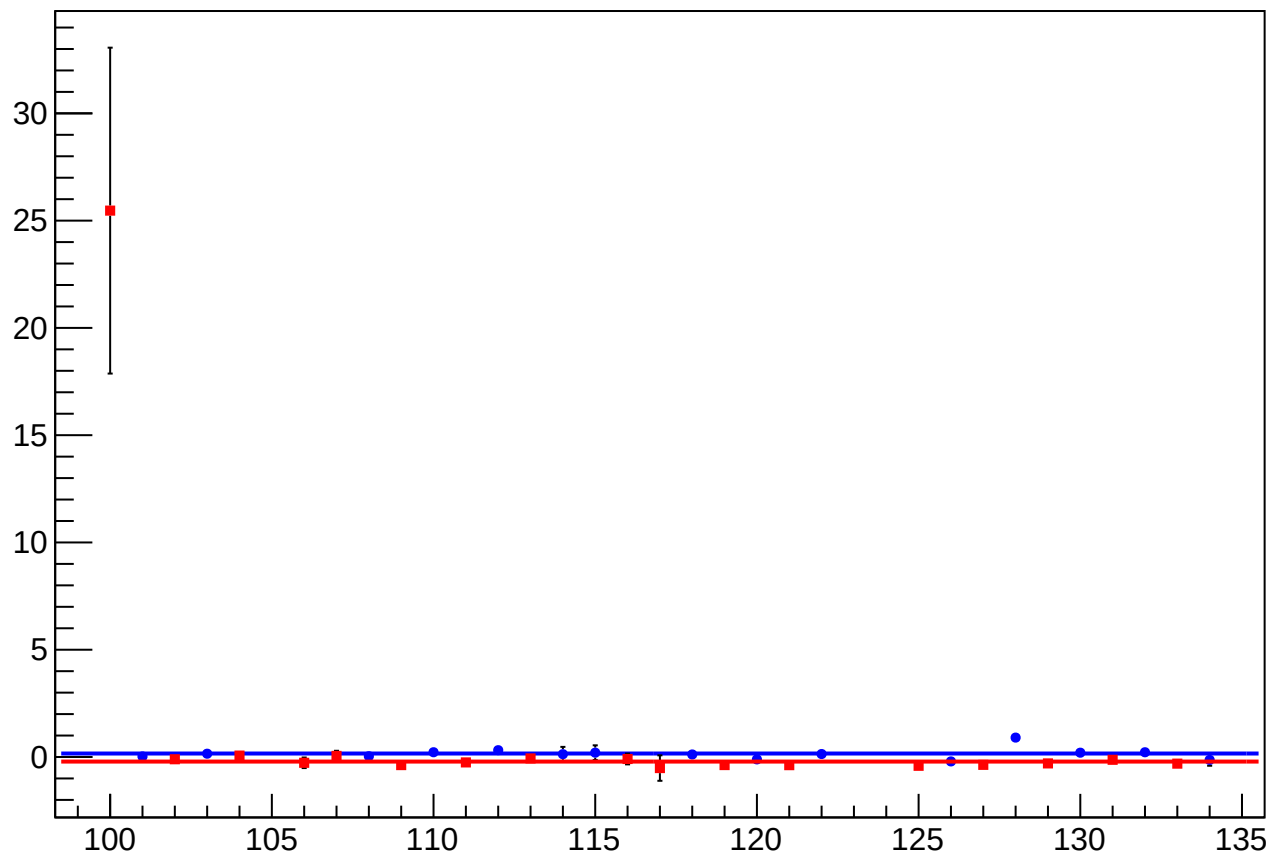
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.022+/-0.024  $\chi^2/\text{NDF}$ : 22.3/14

-0.007+/-0.018  $\chi^2/\text{NDF}$ : 57.7/31

-0.040+/-0.026  $\chi^2/\text{NDF}$ : 32.3/16

reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $0.162 \pm 0.045$   $\chi^2/\text{NDF}: 28.2/14$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.213 \pm 0.047$   $\chi^2/\text{NDF}: 22.5/16$

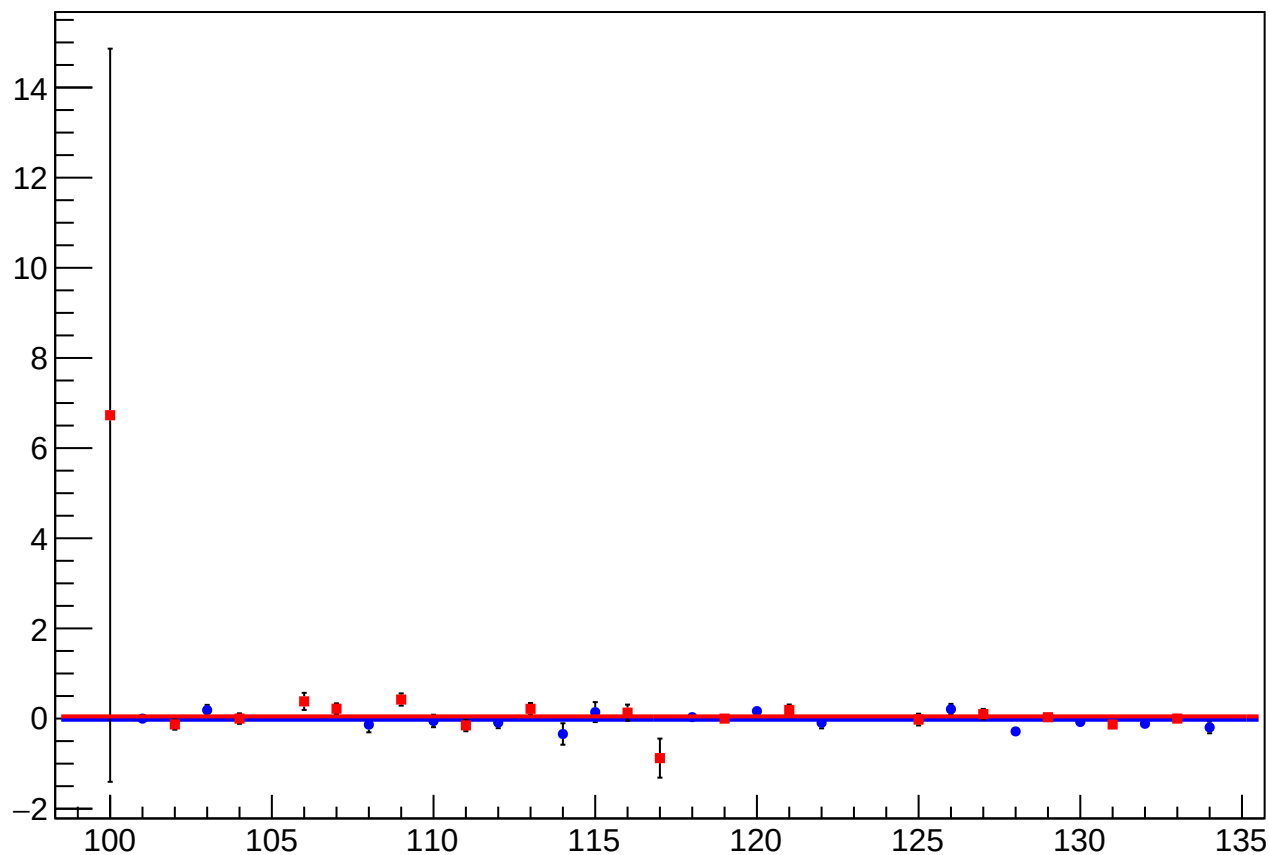
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$0.162 \pm 0.045$   $\chi^2/\text{NDF}: 28.2/14$

$-0.019 \pm 0.033$   $\chi^2/\text{NDF}: 83.9/31$

$-0.213 \pm 0.047$   $\chi^2/\text{NDF}: 22.5/16$

reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -0.026+/-0.028     $\chi^2/\text{NDF}$ : 23.2/14

Left Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.048+/-0.030     $\chi^2/\text{NDF}$ : 30.2/16

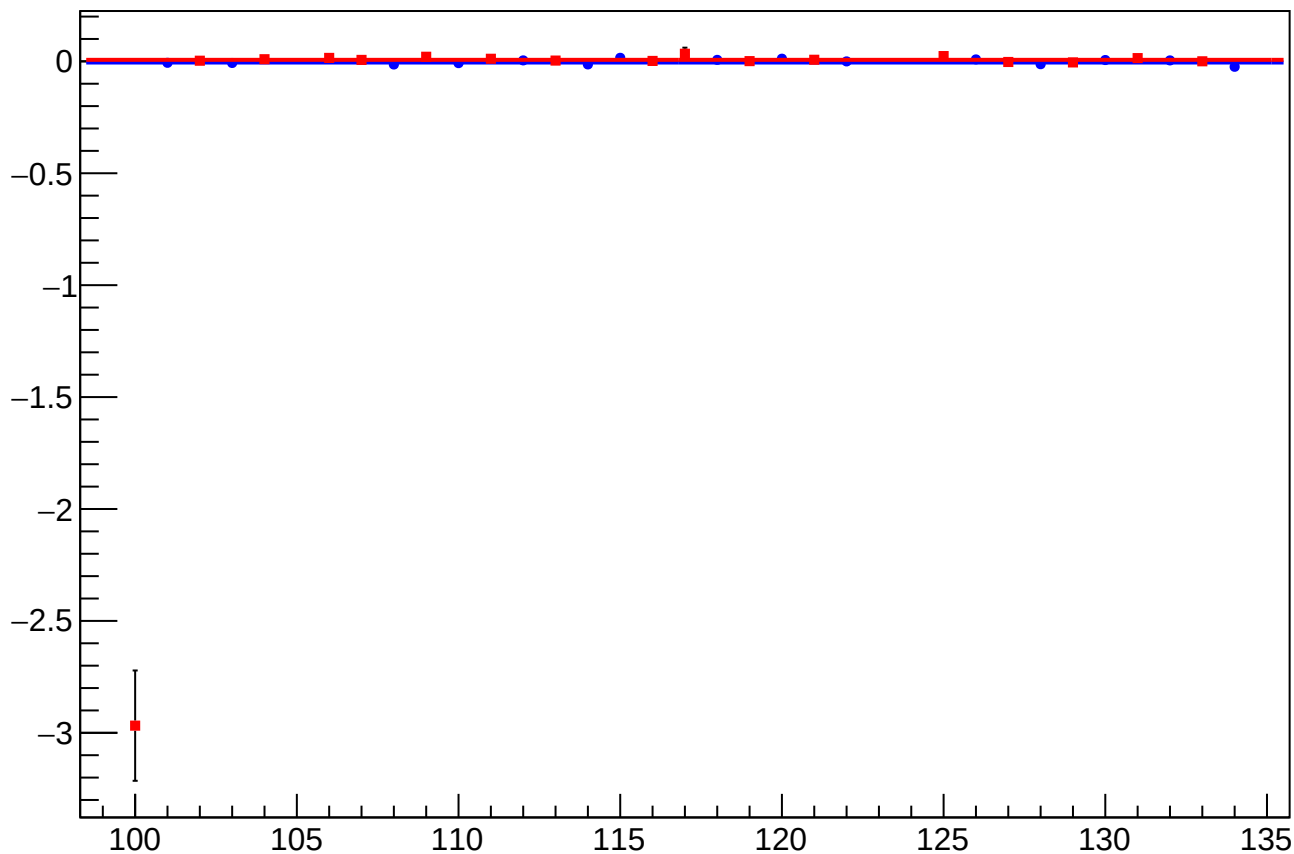
Left In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

-0.026+/-0.028     $\chi^2/\text{NDF}$ : 23.2/14

0.009+/-0.021     $\chi^2/\text{NDF}$ : 56.6/31

0.048+/-0.030     $\chi^2/\text{NDF}$ : 30.2/16

reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.002  $\chi^2$ /NDF: 27.4/14

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.007 $\pm$ 0.002  $\chi^2$ /NDF: 164.1/16

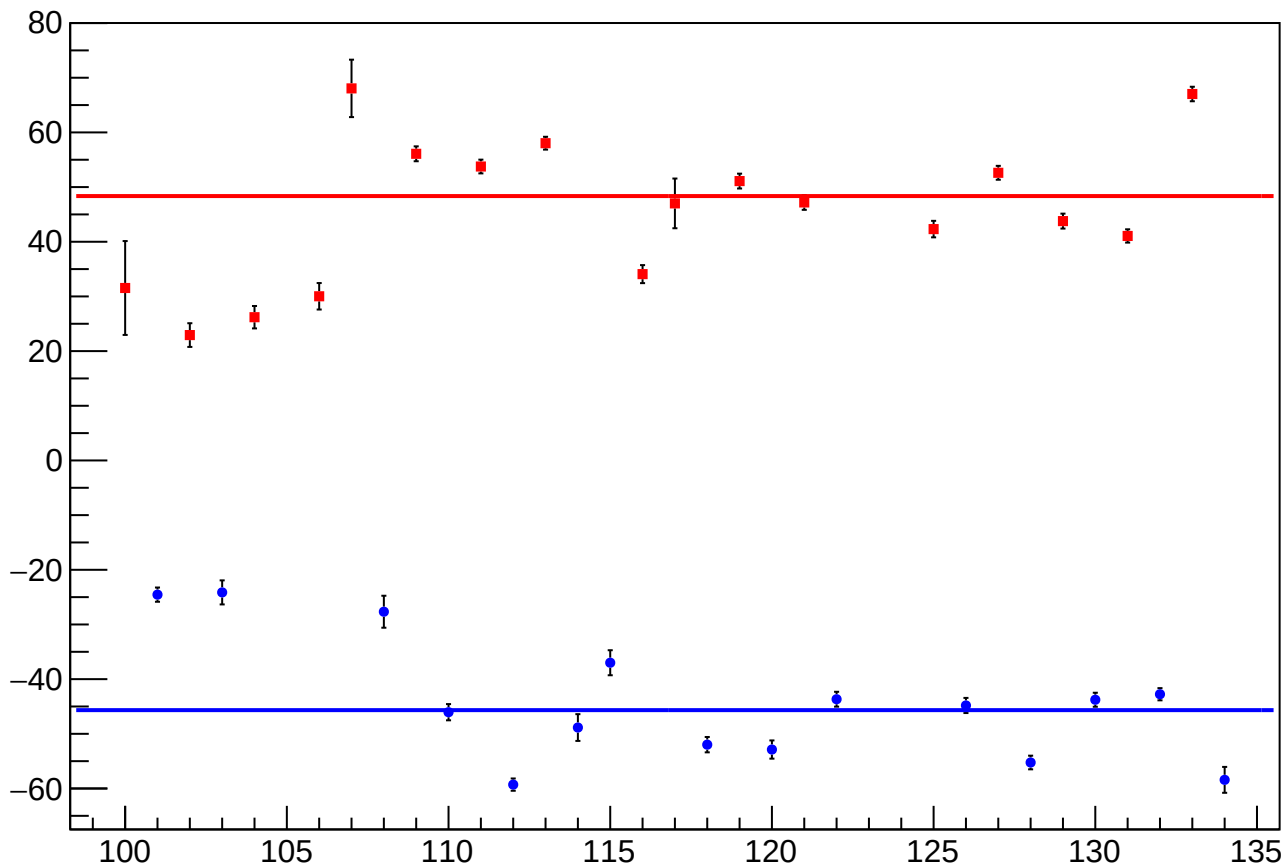
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-0.005 $\pm$ 0.002  $\chi^2$ /NDF: 27.4/14

0.001 $\pm$ 0.001  $\chi^2$ /NDF: 220.1/31

0.007 $\pm$ 0.002  $\chi^2$ /NDF: 164.1/16

reg\_asym\_left\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-45.668 \pm 0.387$   $\chi^2/\text{NDF}$ : 698.4/14

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $48.357 \pm 0.380$   $\chi^2/\text{NDF}$ : 800.2/16

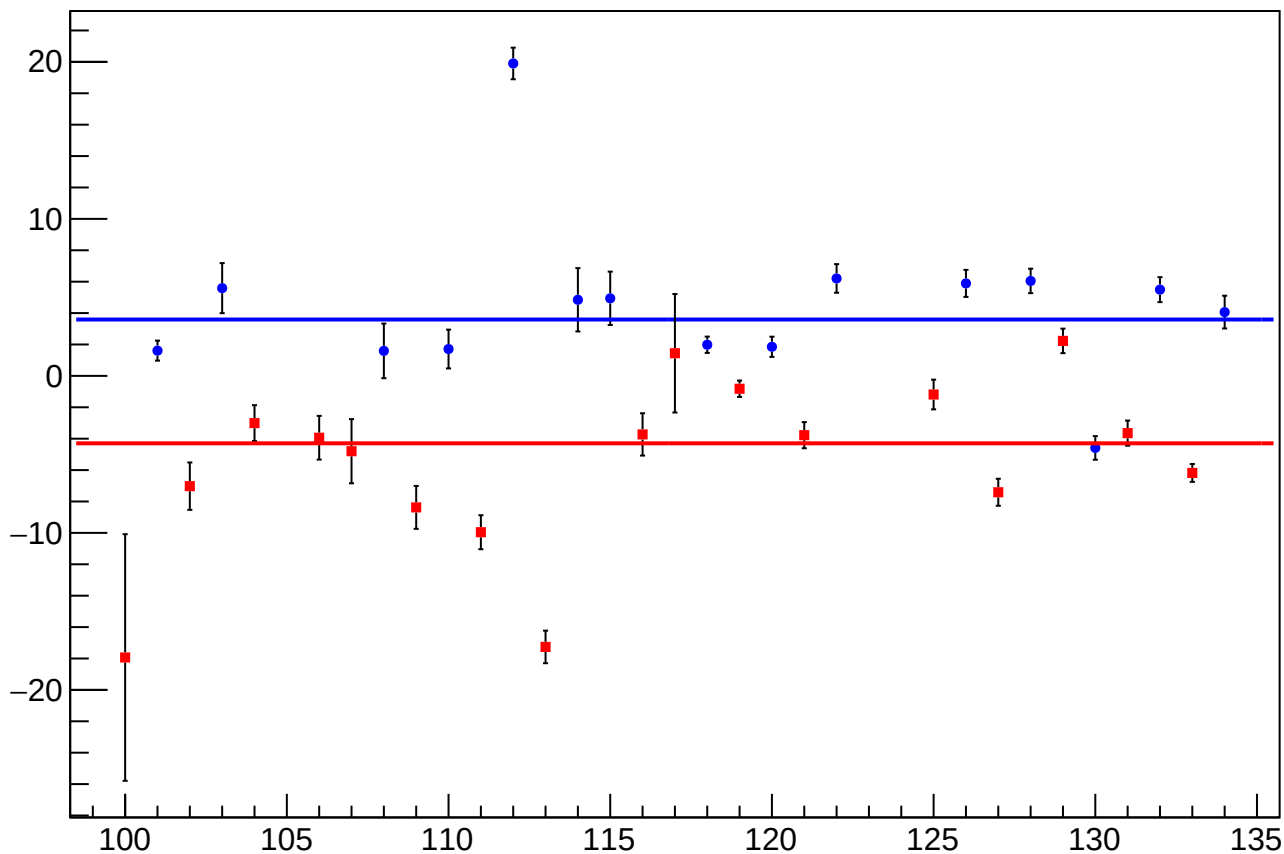
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-45.668 \pm 0.387$   $\chi^2/\text{NDF}$ : 698.4/14

$2.152 \pm 0.271$   $\chi^2/\text{NDF}$ : 31530.5/31

$48.357 \pm 0.380$   $\chi^2/\text{NDF}$ : 800.2/16

reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.590 $\pm$ 0.223  $\chi^2$ /NDF: 445.2/14

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -4.294 $\pm$ 0.231  $\chi^2$ /NDF: 353.2/16

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

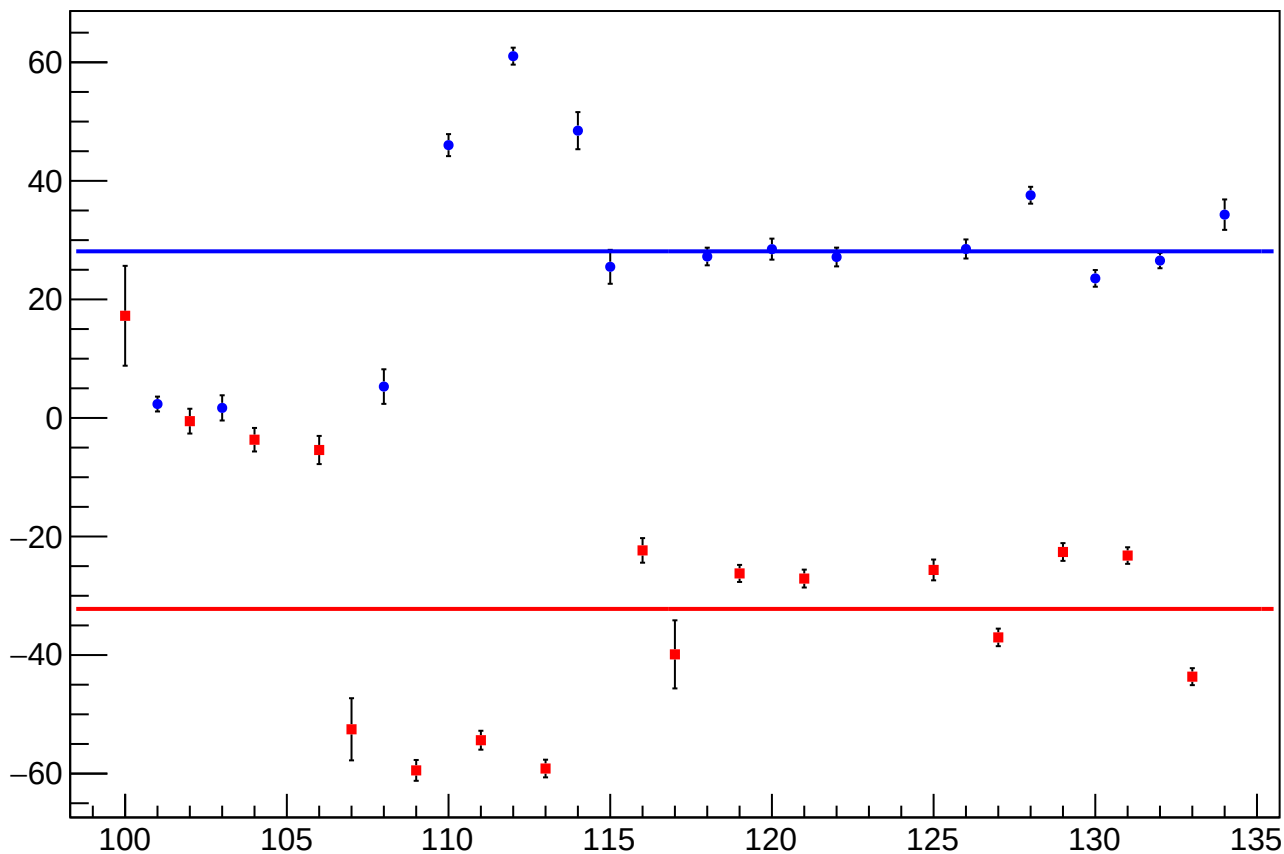
3.590 $\pm$ 0.223  $\chi^2$ /NDF: 445.2/14

-0.228 $\pm$ 0.160  $\chi^2$ /NDF: 1401.3/31

-4.294 $\pm$ 0.231  $\chi^2$ /NDF: 353.2/16



reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 28.112 $\pm$ 0.435  $\chi^2$ /NDF: 1365.8/14

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -32.216 $\pm$ 0.435  $\chi^2$ /NDF: 1595.9/16

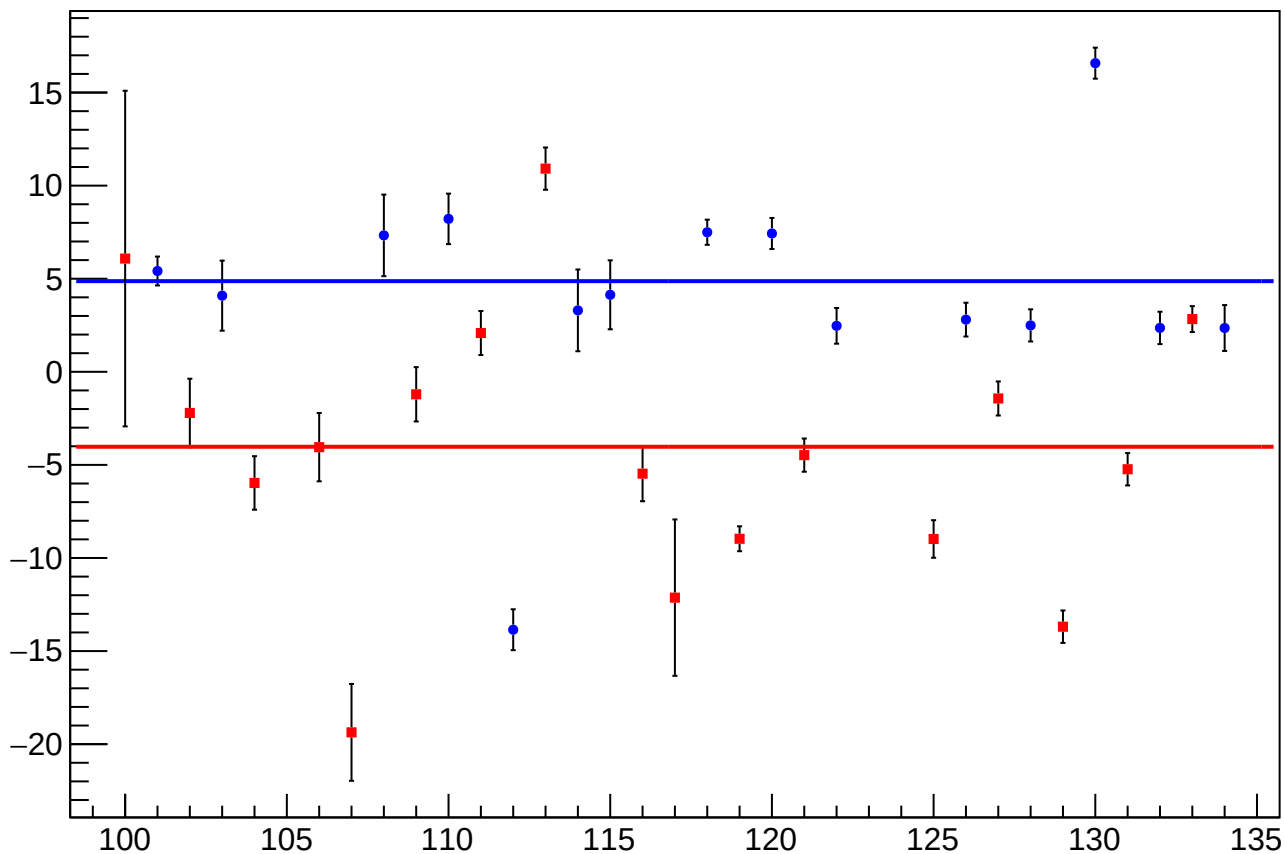
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

28.112 $\pm$ 0.435  $\chi^2$ /NDF: 1365.8/14

-2.072 $\pm$ 0.308  $\chi^2$ /NDF: 12577.0/31

-32.216 $\pm$ 0.435  $\chi^2$ /NDF: 1595.9/16

reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.869 $\pm$ 0.261  $\chi^2$ /NDF: 552.6/14

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -4.026 $\pm$ 0.267  $\chi^2$ /NDF: 555.3/16

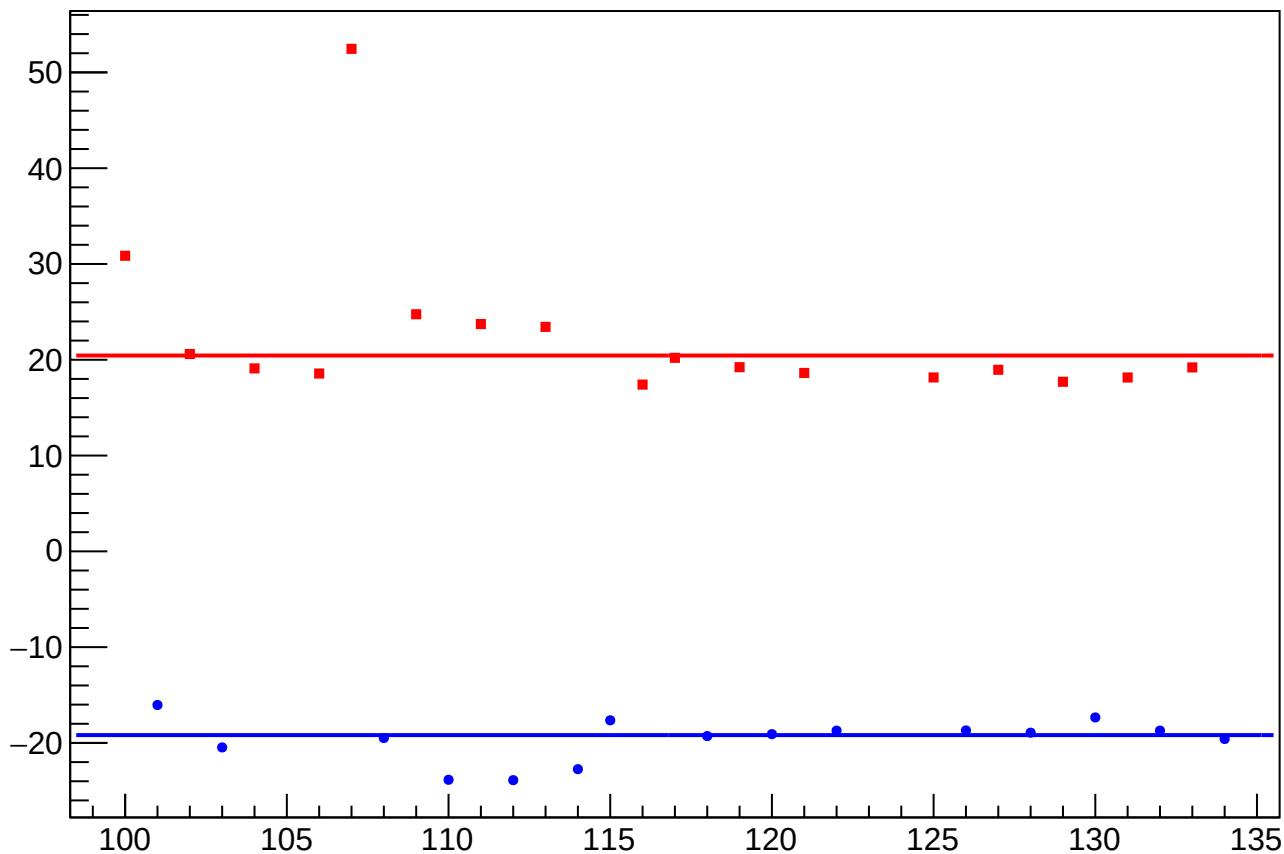
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

4.869 $\pm$ 0.261  $\chi^2$ /NDF: 552.6/14

0.521 $\pm$ 0.186  $\chi^2$ /NDF: 1677.0/31

-4.026 $\pm$ 0.267  $\chi^2$ /NDF: 555.3/16

reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.182 \pm 0.017$   $\chi^2/\text{NDF}: 15120.0/14$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $20.443 \pm 0.017$   $\chi^2/\text{NDF}: 87678.9/16$

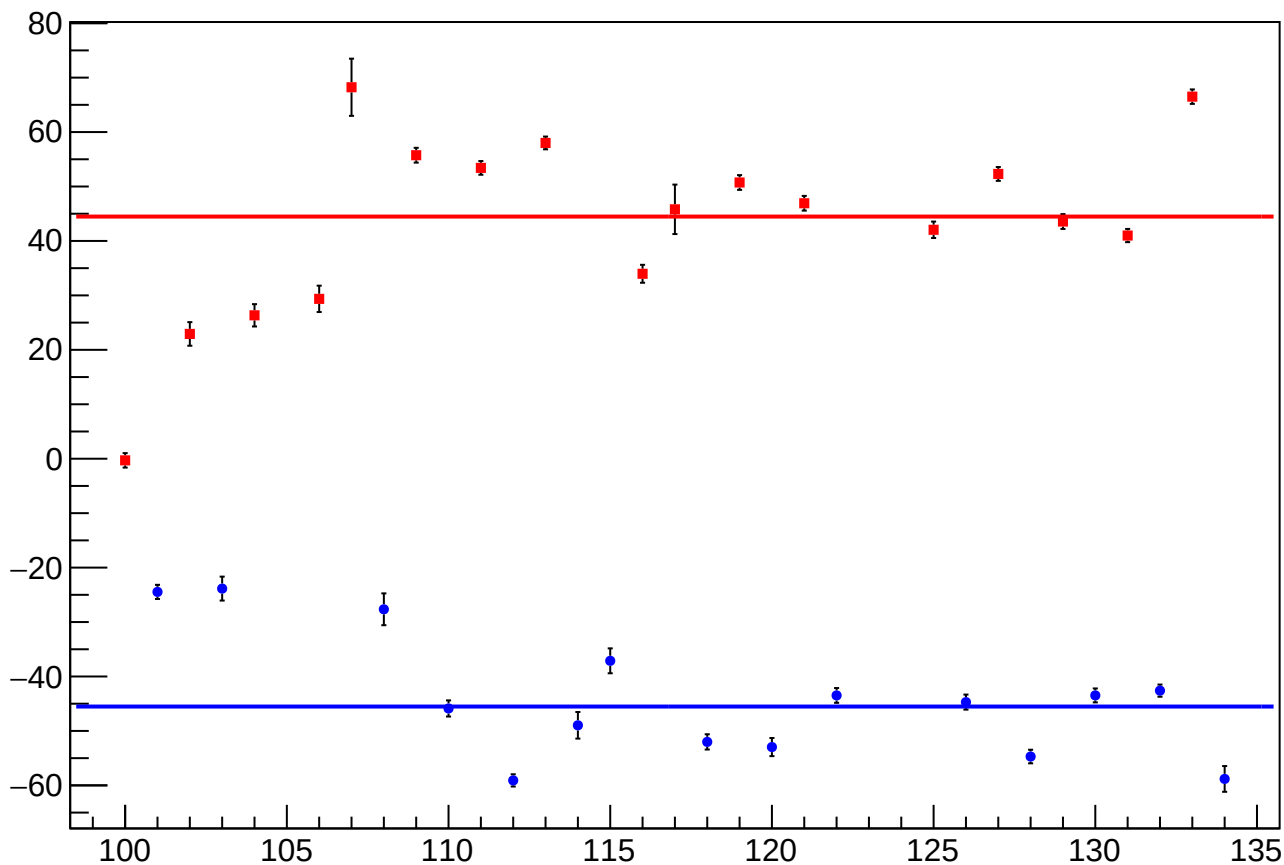
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-19.182 \pm 0.017$   $\chi^2/\text{NDF}: 15120.0/14$

$0.791 \pm 0.012$   $\chi^2/\text{NDF}: 2843478.2/31$

$20.443 \pm 0.017$   $\chi^2/\text{NDF}: 87678.9/16$

reg\_asym\_left\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-45.519 \pm 0.387$   $\chi^2/\text{NDF}$ : 696.9/14

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $44.480 \pm 0.366$   $\chi^2/\text{NDF}$ : 2012.8/16

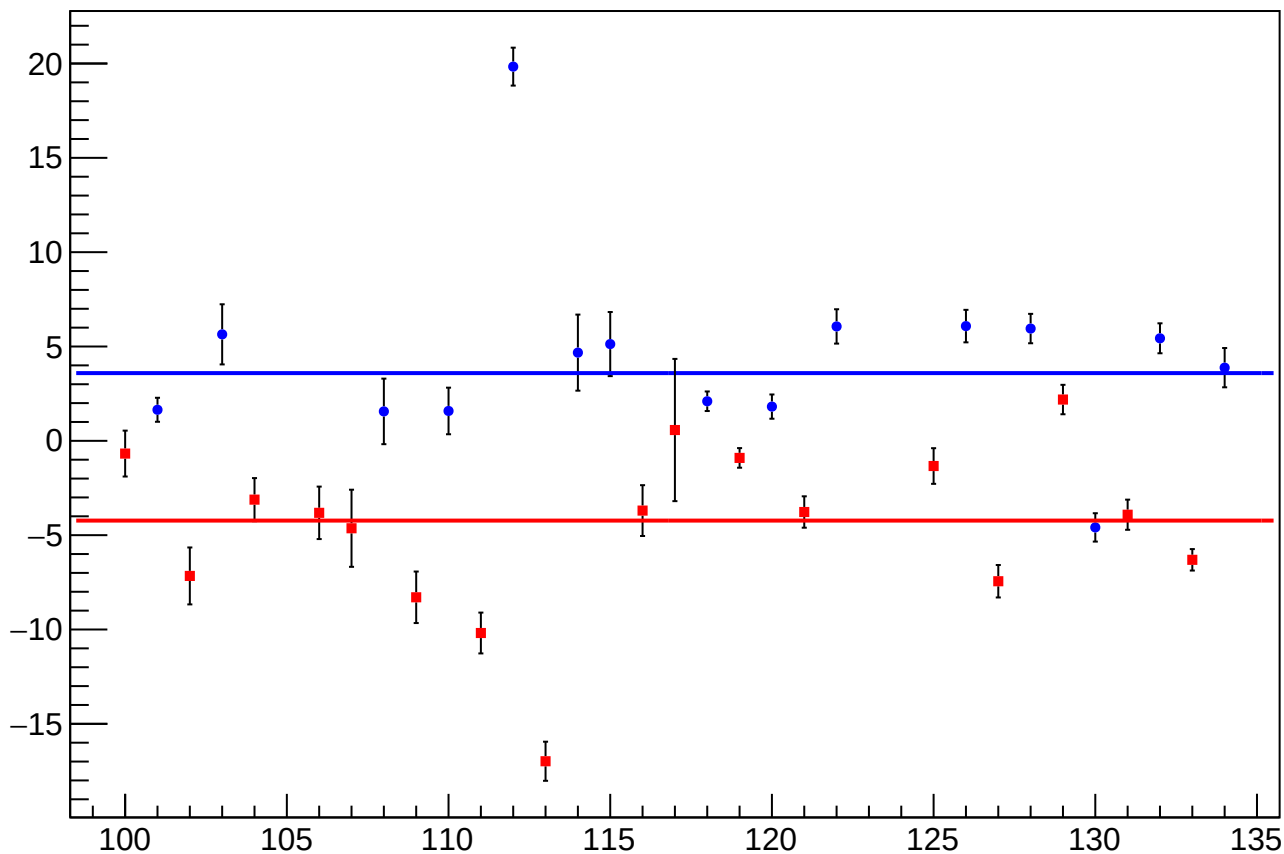
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-45.519 \pm 0.387$   $\chi^2/\text{NDF}$ : 696.9/14

$1.979 \pm 0.266$   $\chi^2/\text{NDF}$ : 31301.4/31

$44.480 \pm 0.366$   $\chi^2/\text{NDF}$ : 2012.8/16

reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $3.590 \pm 0.223$   $\chi^2/\text{NDF}$ : 442.0/14

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4.227 \pm 0.226$   $\chi^2/\text{NDF}$ : 351.4/16

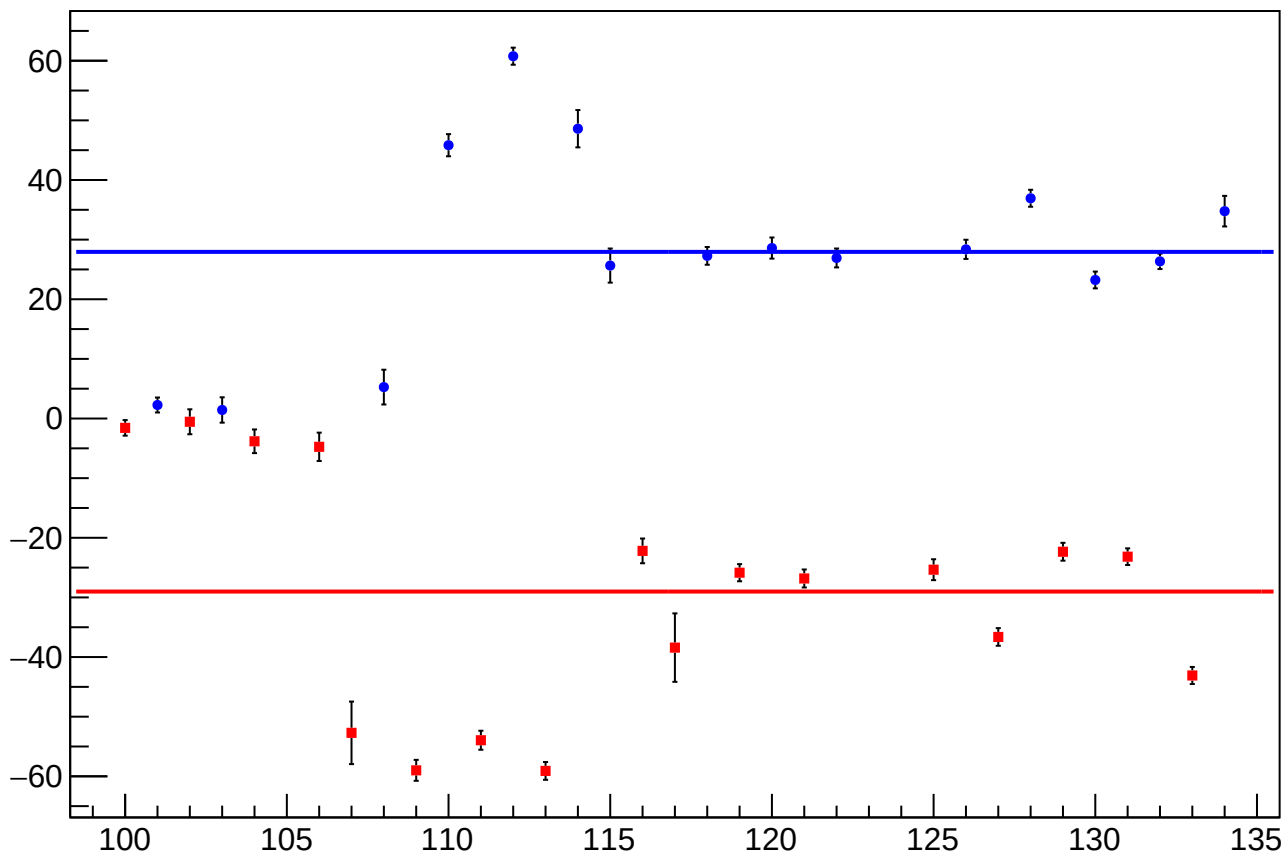
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$3.590 \pm 0.223$   $\chi^2/\text{NDF}$ : 442.0/14

$-0.263 \pm 0.159$   $\chi^2/\text{NDF}$ : 1397.5/31

$-4.227 \pm 0.226$   $\chi^2/\text{NDF}$ : 351.4/16

reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 27.946+/-0.435  $\chi^2$ /NDF: 1359.8/14

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -29.016+/-0.413  $\chi^2$ /NDF: 2042.6/16

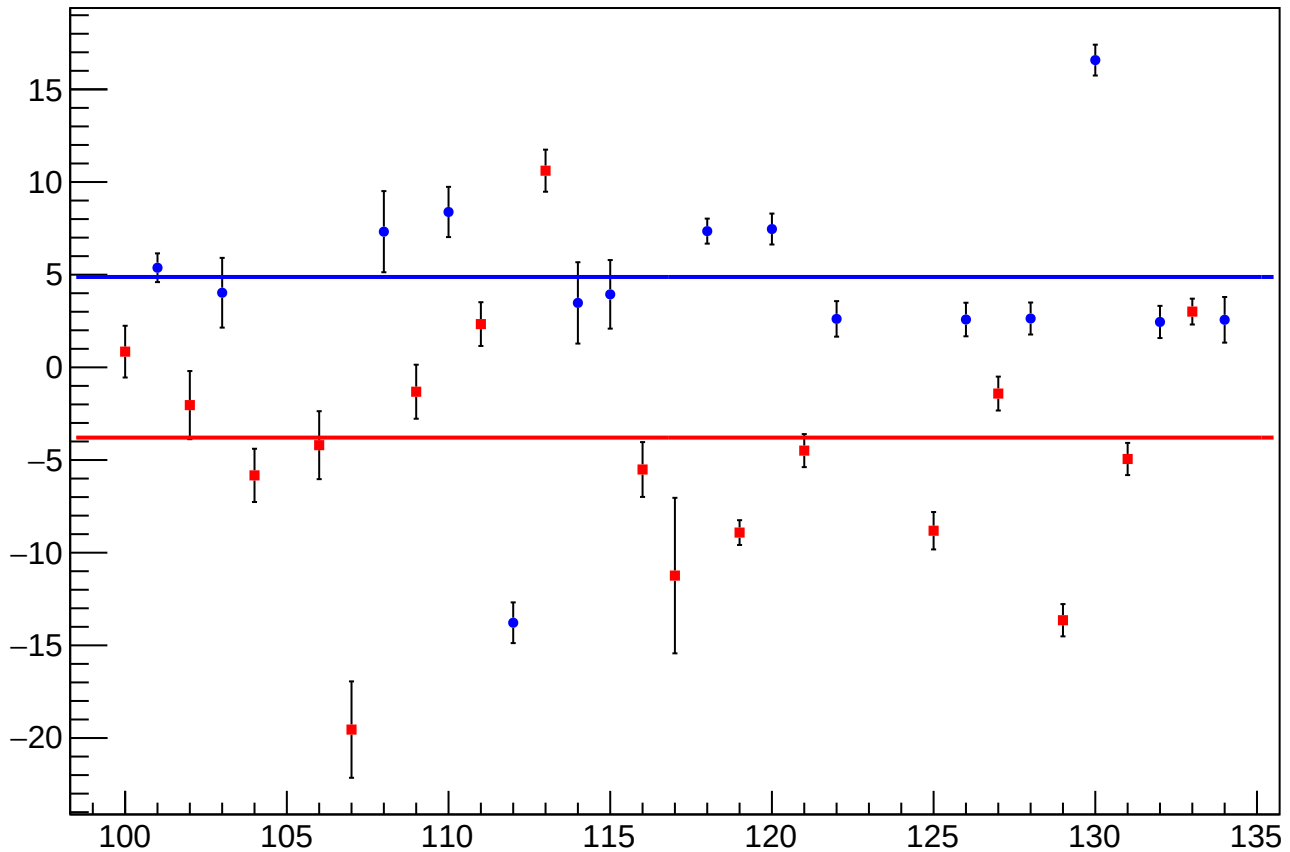
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

27.946+/-0.435  $\chi^2$ /NDF: 1359.8/14

-2.018+/-0.299  $\chi^2$ /NDF: 12427.2/31

-29.016+/-0.413  $\chi^2$ /NDF: 2042.6/16

reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $4.877 \pm 0.261$   $\chi^2/\text{NDF}$ : 548.5/14

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.790 \pm 0.262$   $\chi^2/\text{NDF}$ : 561.7/16

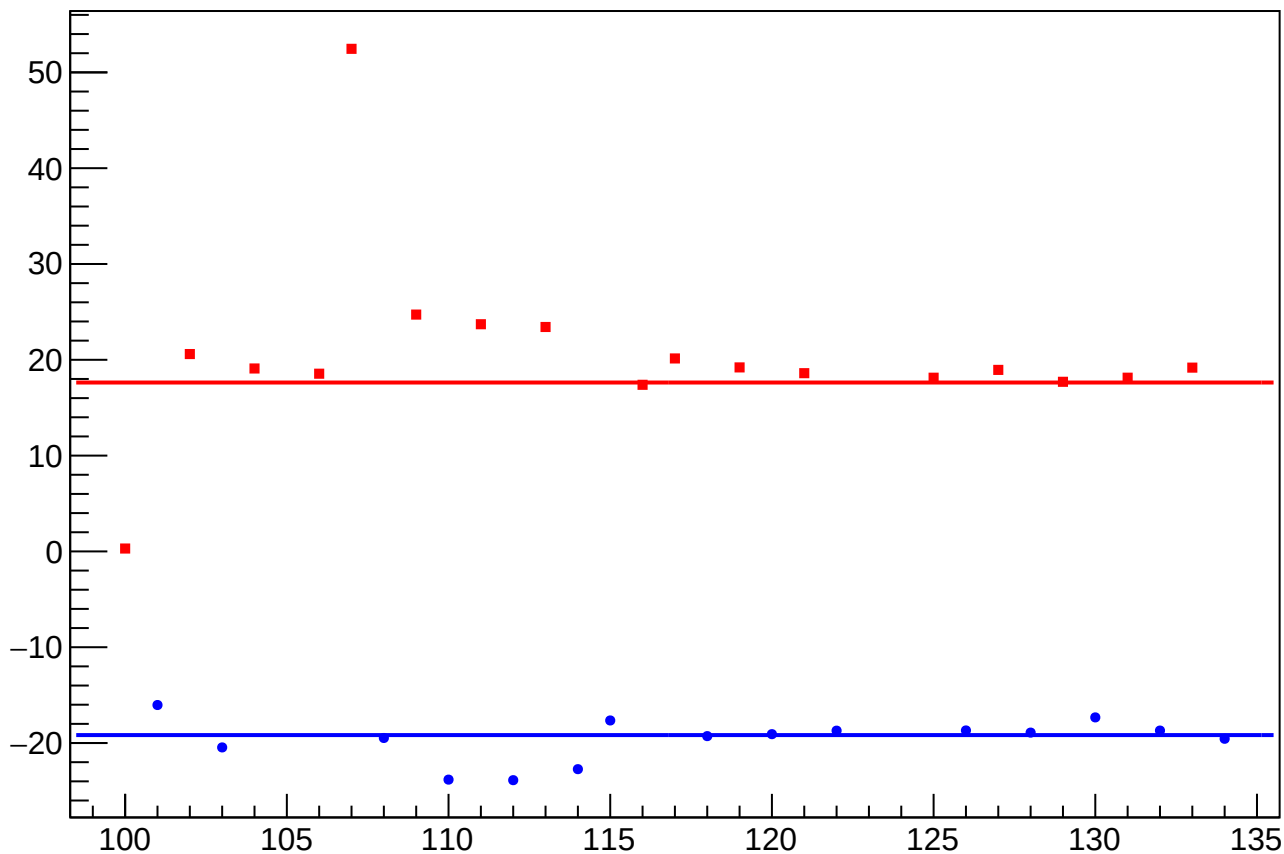
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$4.877 \pm 0.261$   $\chi^2/\text{NDF}$ : 548.5/14

$0.564 \pm 0.185$   $\chi^2/\text{NDF}$ : 1661.0/31

$-3.790 \pm 0.262$   $\chi^2/\text{NDF}$ : 561.7/16

reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.171 \pm 0.017$   $\chi^2/\text{NDF}$ : 15105.4/14

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $17.628 \pm 0.016$   $\chi^2/\text{NDF}$ : 281057.4/16

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

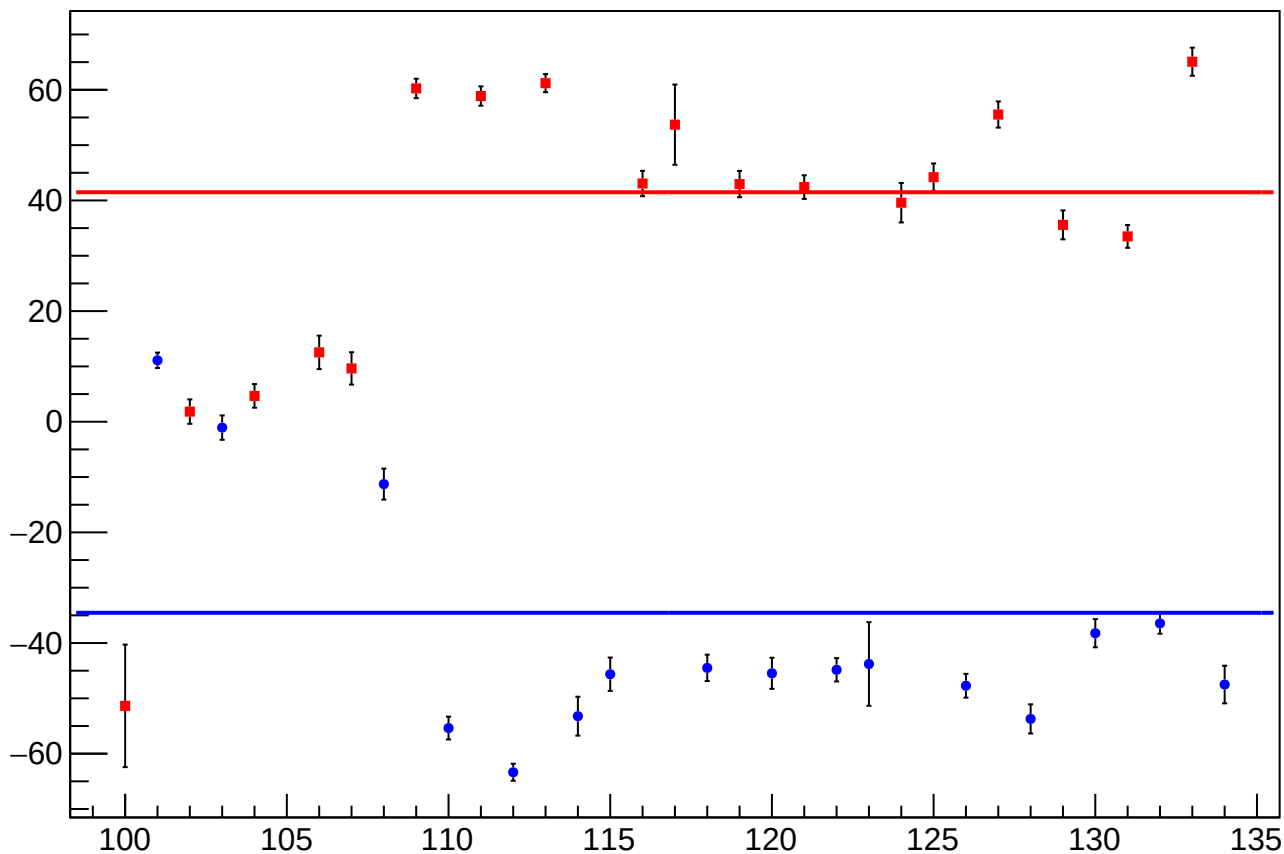
$-19.171 \pm 0.017$   $\chi^2/\text{NDF}$ : 15105.4/14

$0.700 \pm 0.012$   $\chi^2/\text{NDF}$ : 2831628.6/31

$17.628 \pm 0.016$   $\chi^2/\text{NDF}$ : 281057.4/16



reg\_asym\_right\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -34.532 $\pm$ 0.566  $\chi^2$ /NDF: 2029.8/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 41.483 $\pm$ 0.555  $\chi^2$ /NDF: 1405.1/17

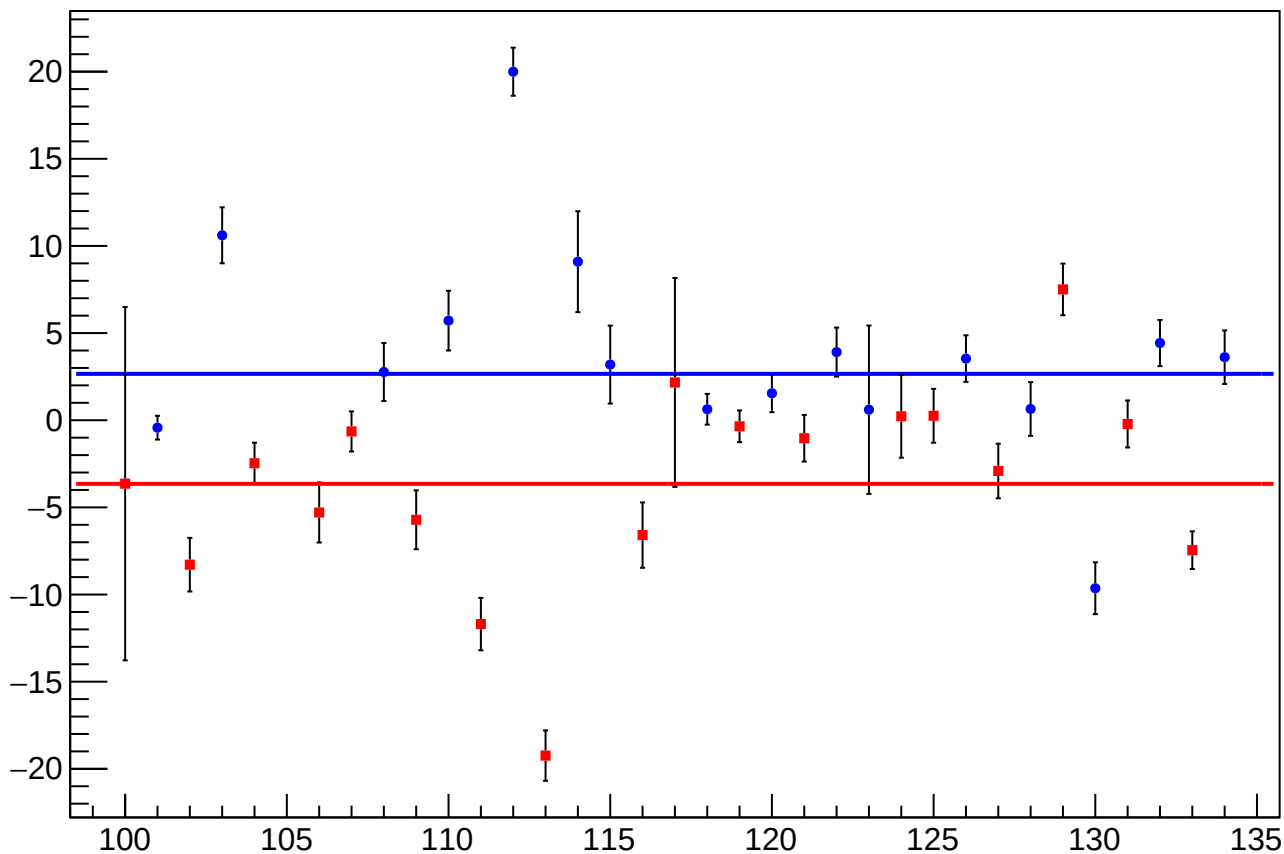
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-34.532 $\pm$ 0.566  $\chi^2$ /NDF: 2029.8/15

4.180 $\pm$ 0.396  $\chi^2$ /NDF: 12636.3/33

41.483 $\pm$ 0.555  $\chi^2$ /NDF: 1405.1/17

reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.661 $\pm$ 0.330  $\chi^2$ /NDF: 291.4/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -3.649 $\pm$ 0.344  $\chi^2$ /NDF: 269.7/17

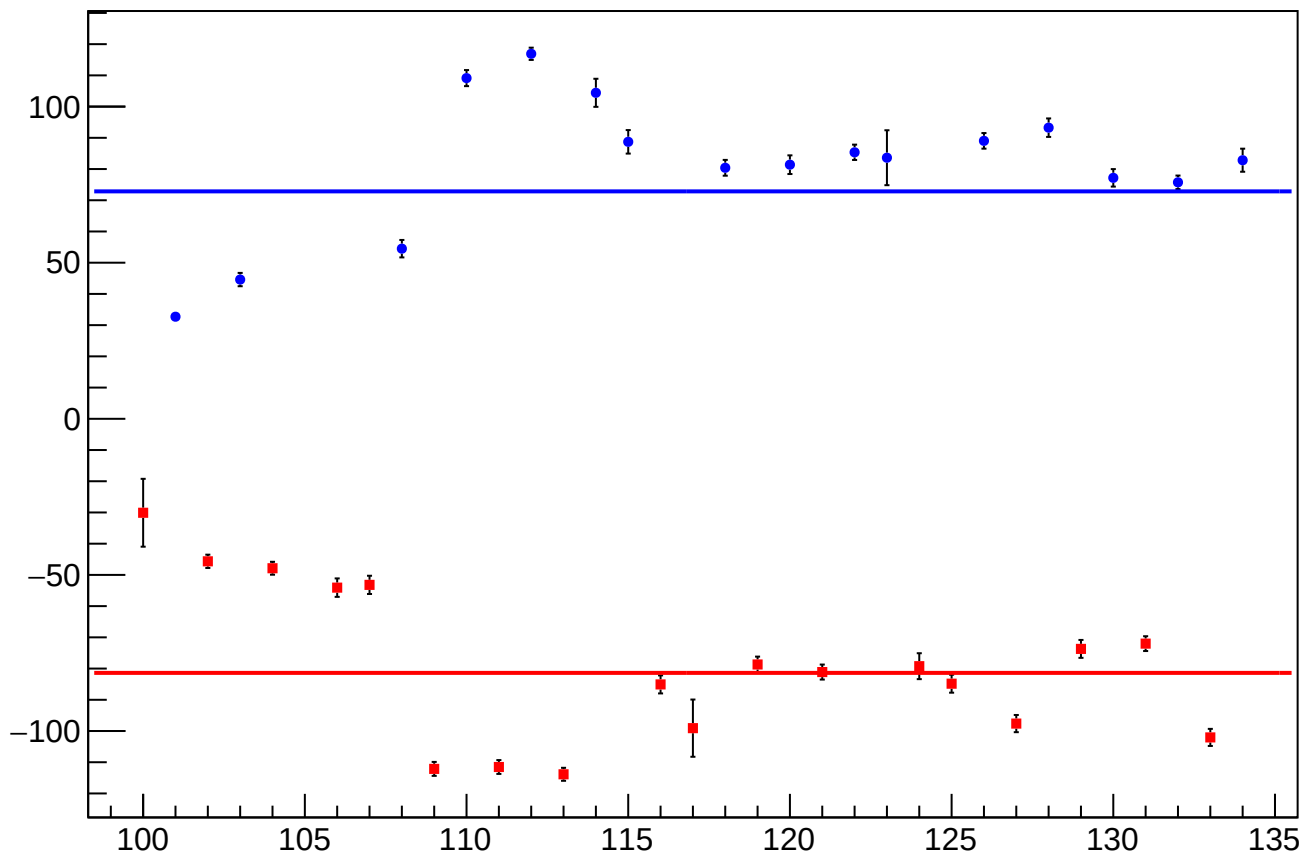
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2.661 $\pm$ 0.330  $\chi^2$ /NDF: 291.4/15

-0.362 $\pm$ 0.238  $\chi^2$ /NDF: 736.5/33

-3.649 $\pm$ 0.344  $\chi^2$ /NDF: 269.7/17

reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 72.846 $\pm$ 0.624  $\chi^2$ /NDF: 2025.8/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -81.383 $\pm$ 0.628  $\chi^2$ /NDF: 1485.7/17

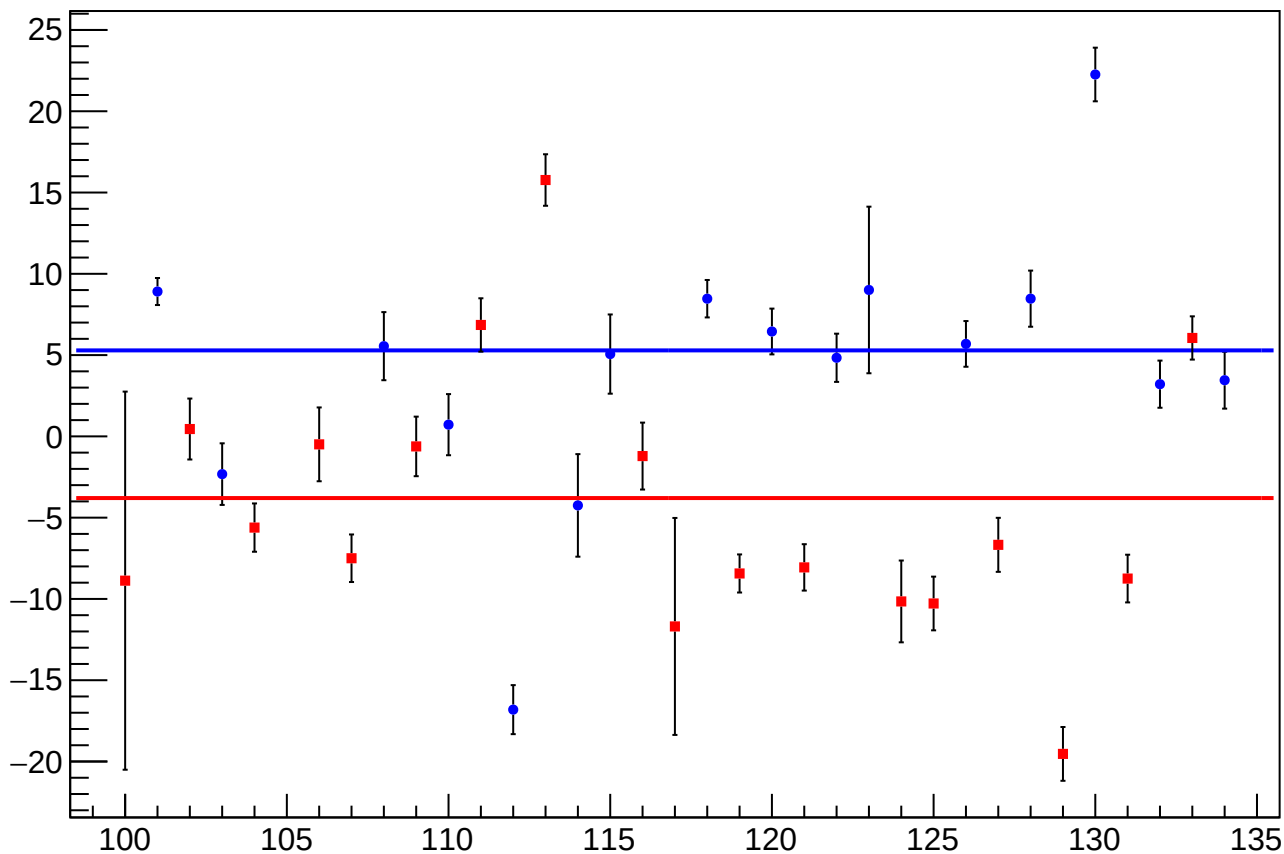
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

72.846 $\pm$ 0.624  $\chi^2$ /NDF: 2025.8/15

-3.800 $\pm$ 0.443  $\chi^2$ /NDF: 33850.5/33

-81.383 $\pm$ 0.628  $\chi^2$ /NDF: 1485.7/17

reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.289+/-0.386  $\chi^2/\text{NDF}$ : 386.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.795+/-0.401  $\chi^2/\text{NDF}$ : 421.9/17

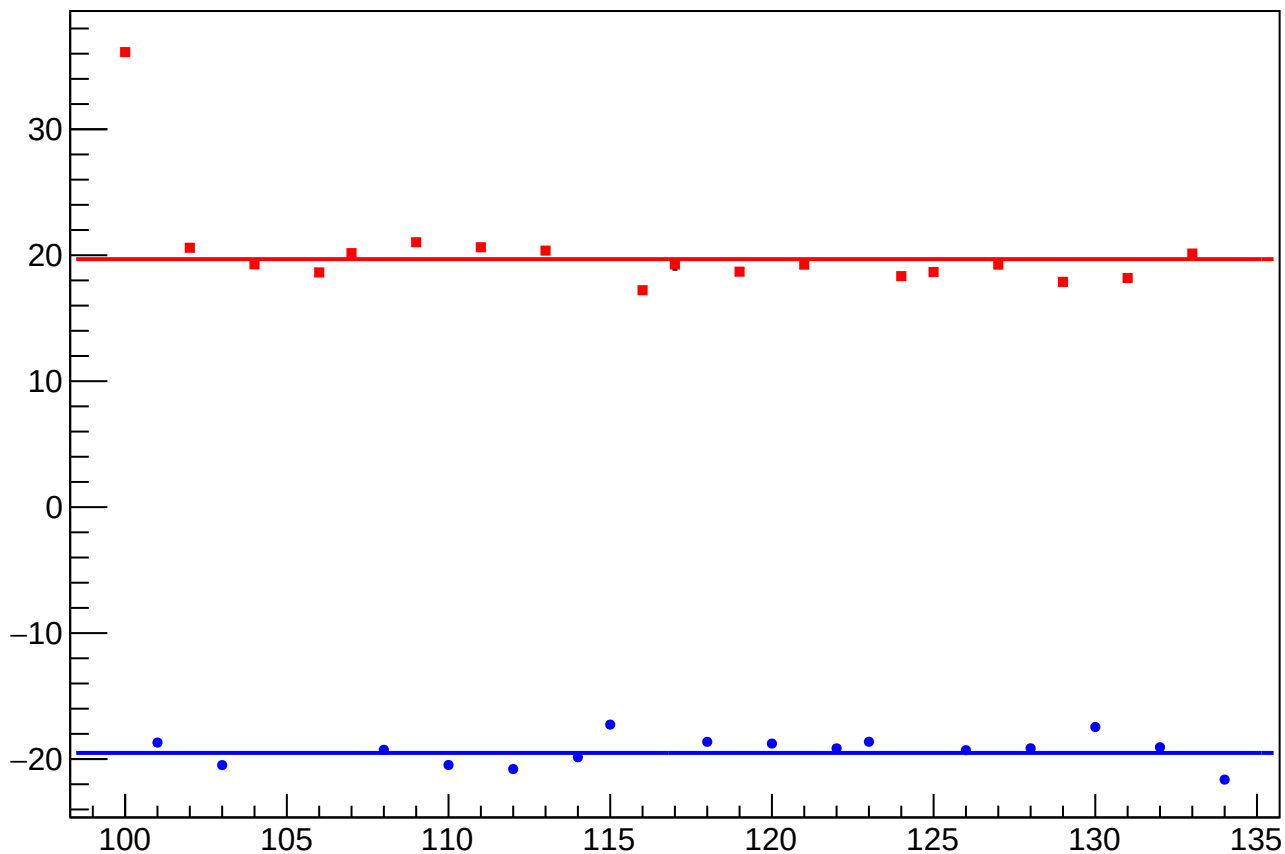
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.289+/-0.386  $\chi^2/\text{NDF}$ : 386.4/15

0.913+/-0.278  $\chi^2/\text{NDF}$ : 1074.8/33

-3.795+/-0.401  $\chi^2/\text{NDF}$ : 421.9/17

reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.512 $\pm$ 0.022  $\chi^2$ /NDF: 2110.8/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 19.688 $\pm$ 0.022  $\chi^2$ /NDF: 4160.7/17

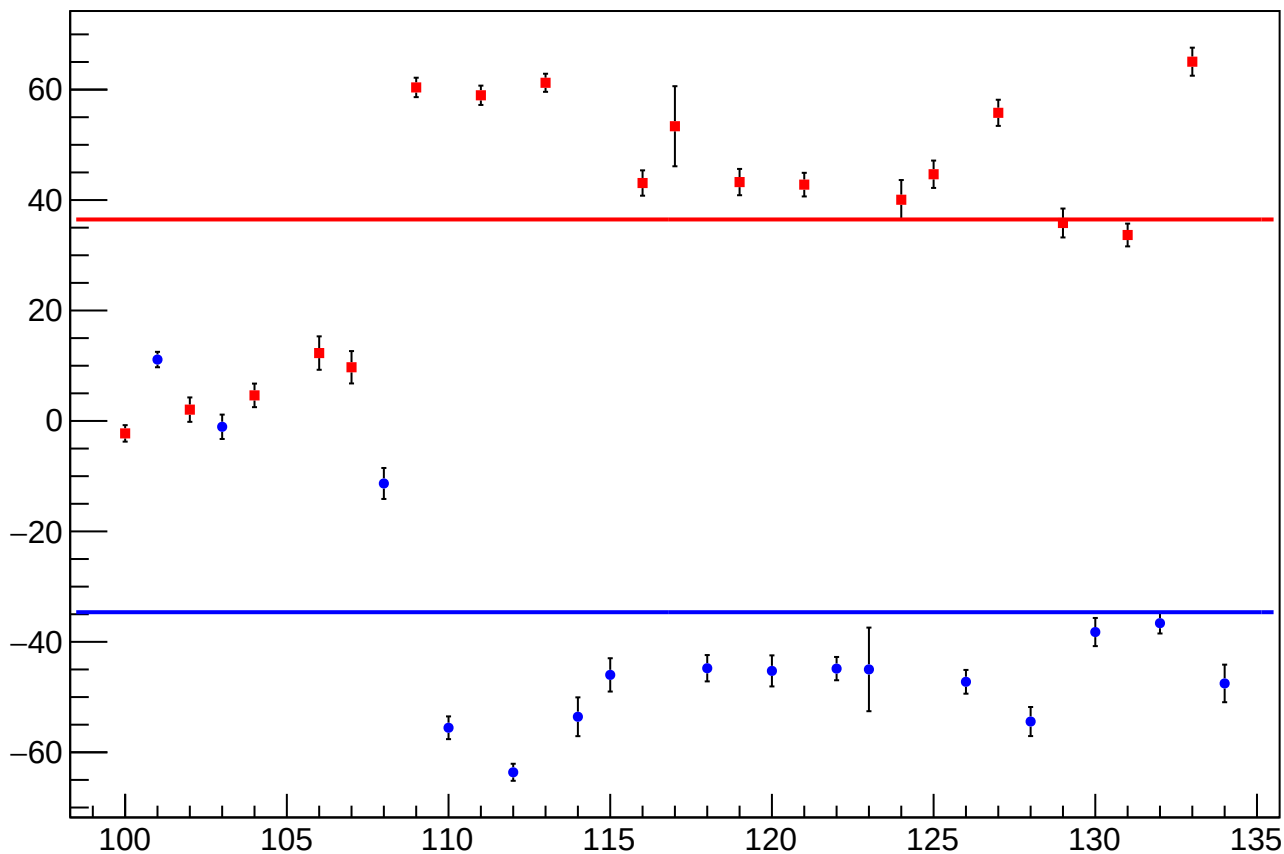
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-19.512 $\pm$ 0.022  $\chi^2$ /NDF: 2110.8/15

0.489 $\pm$ 0.016  $\chi^2$ /NDF: 1599450.7/33

19.688 $\pm$ 0.022  $\chi^2$ /NDF: 4160.7/17

reg\_asym\_right\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -34.632+/-0.566  $\chi^2/\text{NDF}$ : 2040.5/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 36.484+/-0.521  $\chi^2/\text{NDF}$ : 2102.4/17

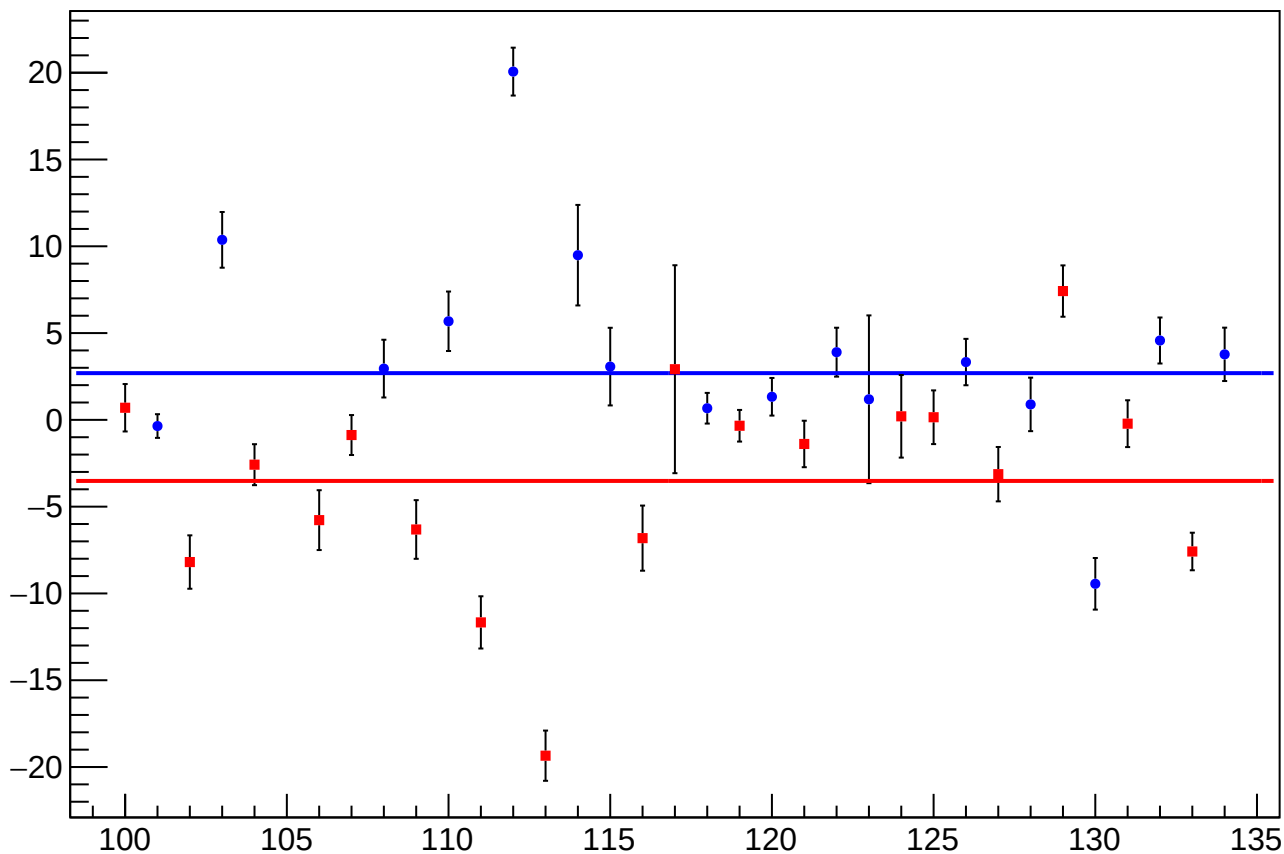
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-34.632+/-0.566  $\chi^2/\text{NDF}$ : 2040.5/15

3.843+/-0.383  $\chi^2/\text{NDF}$ : 12689.5/33

36.484+/-0.521  $\chi^2/\text{NDF}$ : 2102.4/17

reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.692+/-0.330  $\chi^2/\text{NDF}$ : 288.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.518+/-0.334  $\chi^2/\text{NDF}$ : 280.0/17

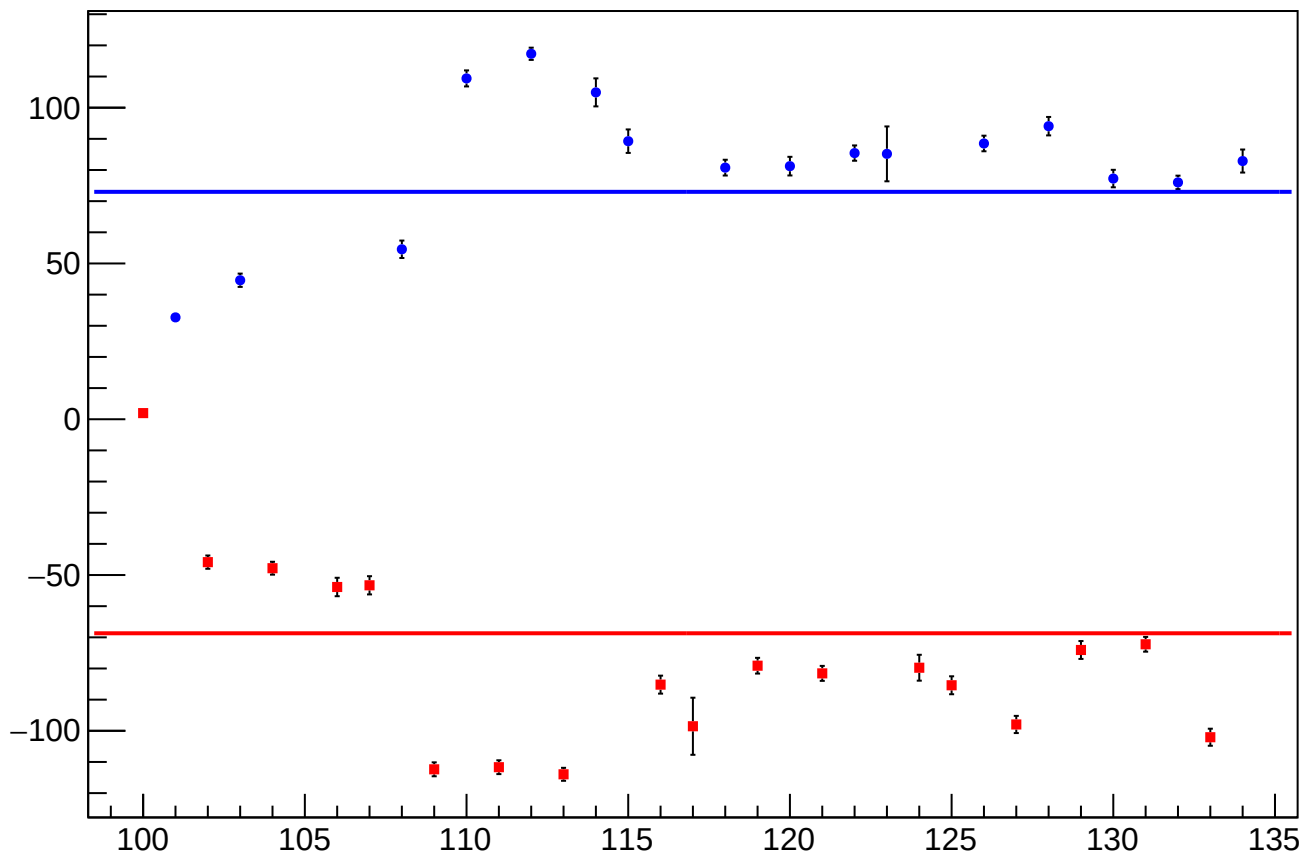
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.692+/-0.330  $\chi^2/\text{NDF}$ : 288.4/15

-0.377+/-0.235  $\chi^2/\text{NDF}$ : 743.5/33

-3.518+/-0.334  $\chi^2/\text{NDF}$ : 280.0/17

reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 72.991 $\pm$ 0.625  $\chi^2$ /NDF: 2041.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -68.696 $\pm$ 0.578  $\chi^2$ /NDF: 4224.3/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

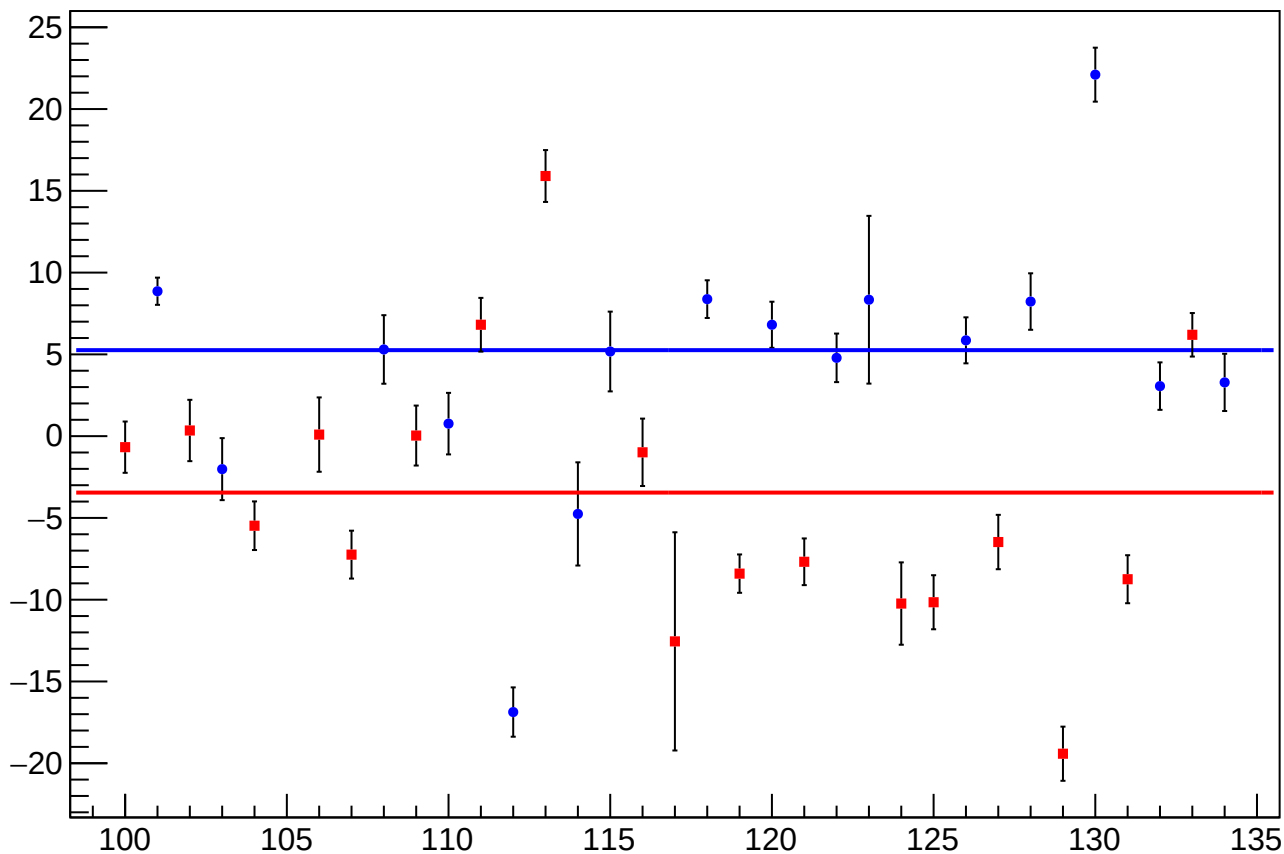
72.991 $\pm$ 0.625  $\chi^2$ /NDF: 2041.2/15

-3.293 $\pm$ 0.424  $\chi^2$ /NDF: 33975.8/33

-68.696 $\pm$ 0.578  $\chi^2$ /NDF: 4224.3/17



reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.258+/-0.386  $\chi^2/\text{NDF}$ : 384.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.451+/-0.389  $\chi^2/\text{NDF}$ : 425.5/17

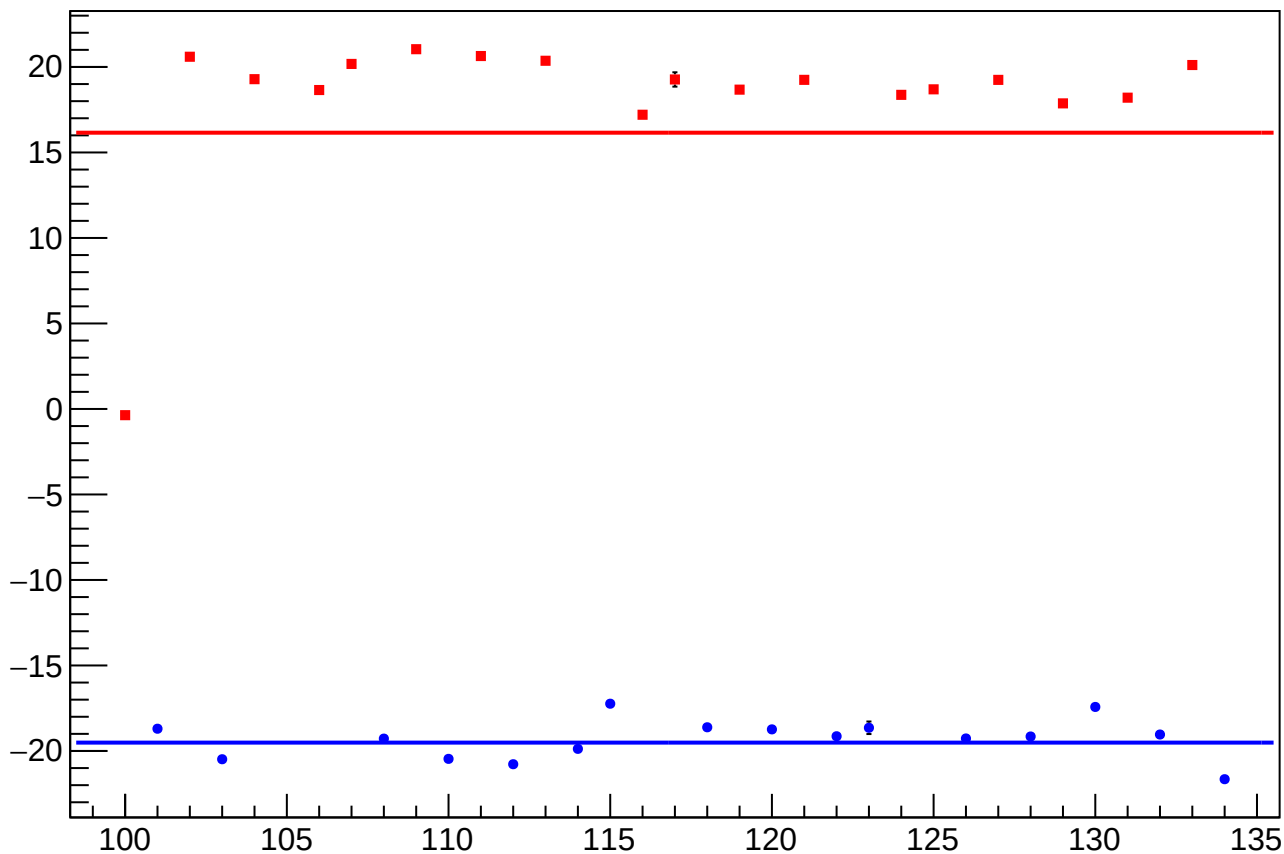
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.258+/-0.386  $\chi^2/\text{NDF}$ : 384.4/15

0.928+/-0.274  $\chi^2/\text{NDF}$ : 1062.5/33

-3.451+/-0.389  $\chi^2/\text{NDF}$ : 425.5/17

reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.511+/-0.022  $\chi^2/\text{NDF}$ : 2129.5/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 16.156+/-0.020  $\chi^2/\text{NDF}$ : 148291.6/17

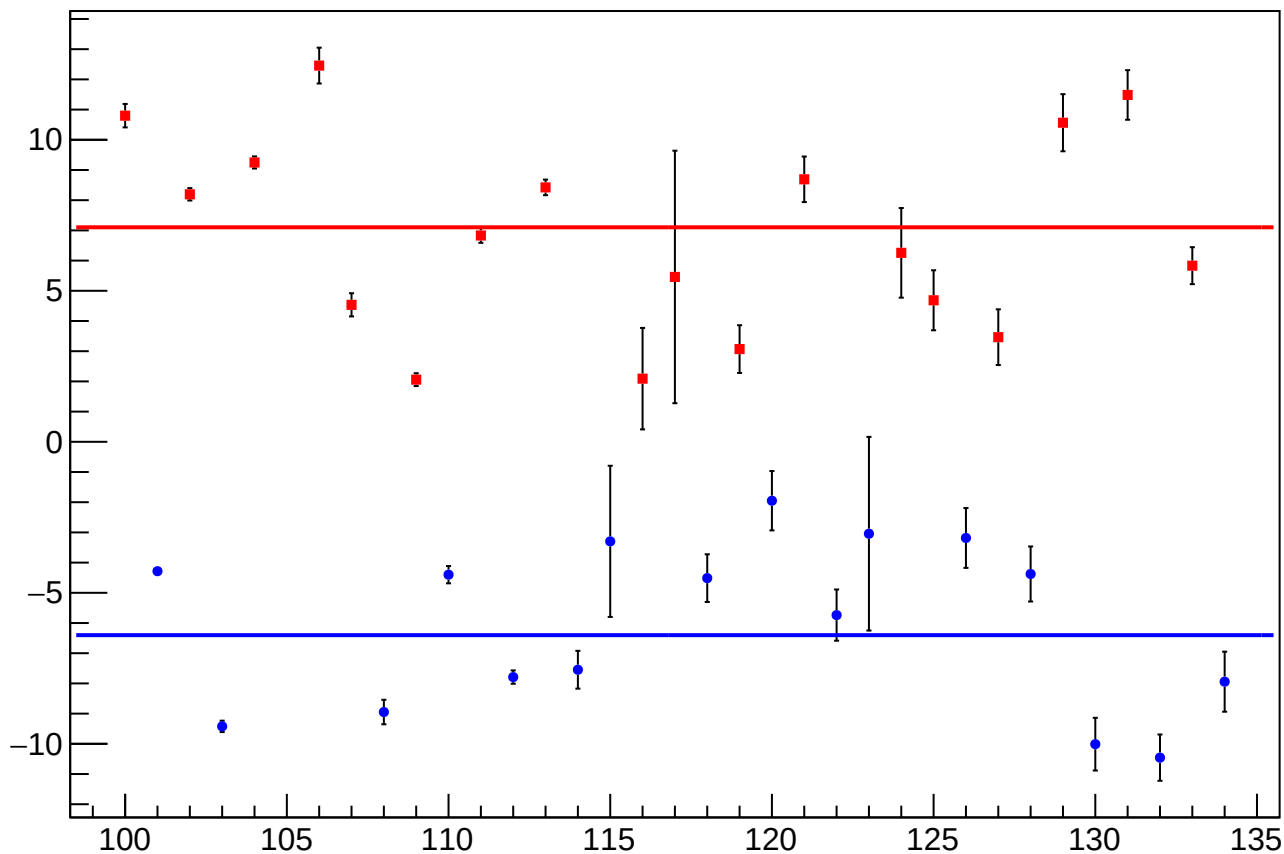
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-19.511+/-0.022  $\chi^2/\text{NDF}$ : 2129.5/15

0.346+/-0.015  $\chi^2/\text{NDF}$ : 1588039.4/33

16.156+/-0.020  $\chi^2/\text{NDF}$ : 148291.6/17

reg\_asym\_sam\_15\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -6.402+/-0.088  $\chi^2$ /NDF: 704.4/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 7.103+/-0.087  $\chi^2$ /NDF: 1058.3/17

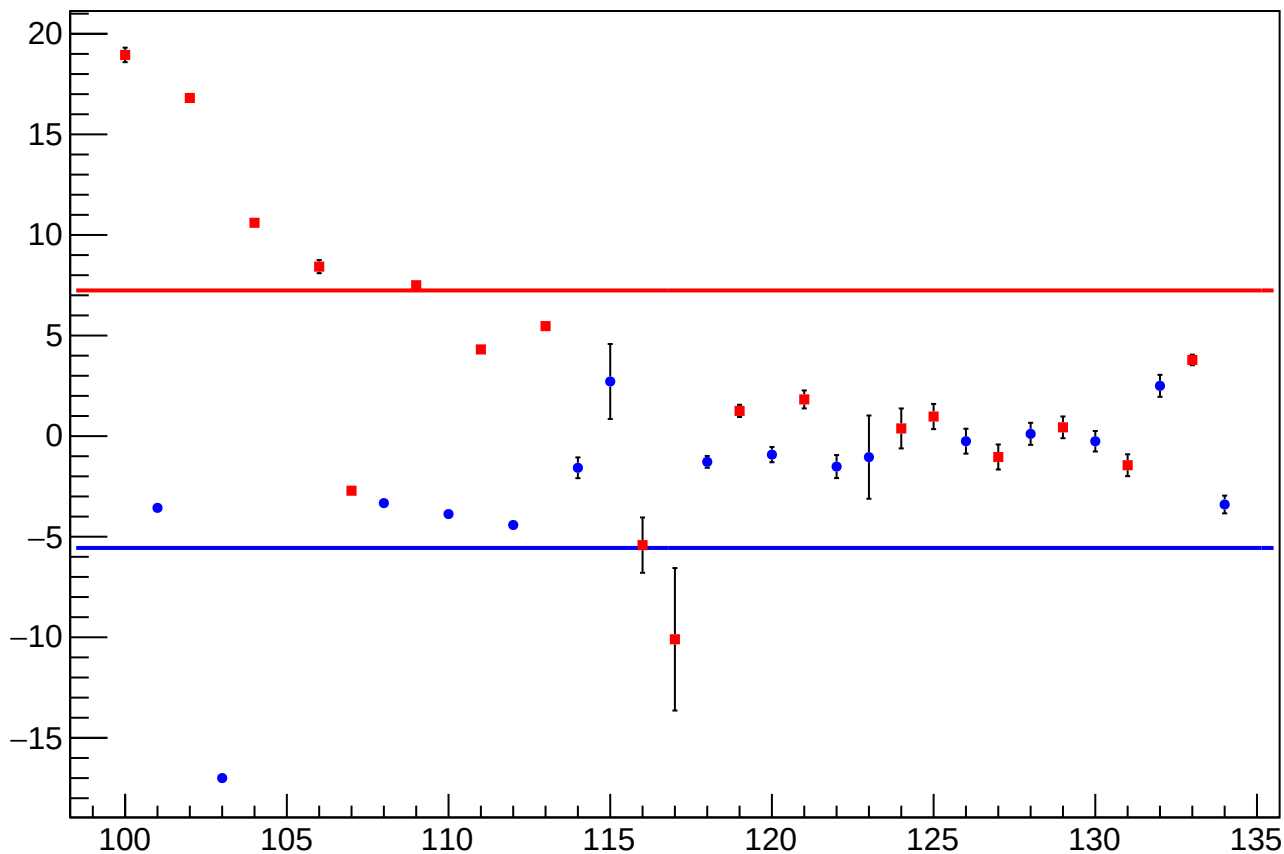
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-6.402+/-0.088  $\chi^2$ /NDF: 704.4/15

0.376+/-0.062  $\chi^2$ /NDF: 13653.8/33

7.103+/-0.087  $\chi^2$ /NDF: 1058.3/17

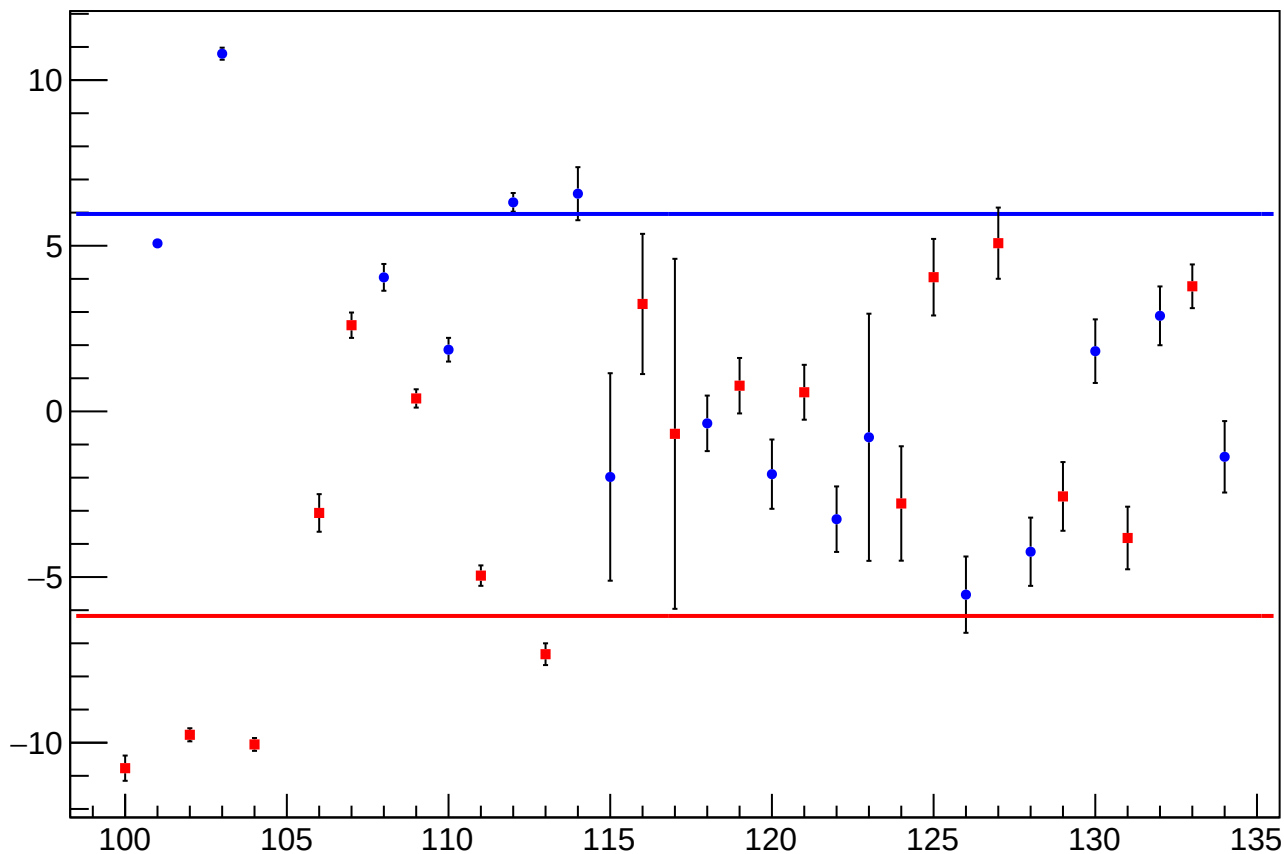
reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -5.559+/-0.056  $\chi^2/\text{NDF}$ : 9031.4/15  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 7.242+/-0.060  $\chi^2/\text{NDF}$ : 12071.3/17  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-5.559+/-0.056  $\chi^2/\text{NDF}$ : 9031.4/15  
 0.347+/-0.041  $\chi^2/\text{NDF}$ : 45559.3/33  
 7.242+/-0.060  $\chi^2/\text{NDF}$ : 12071.3/17

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 5.960 $\pm$ 0.091  $\chi^2$ /NDF: 1387.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -6.174 $\pm$ 0.095  $\chi^2$ /NDF: 2616.9/17

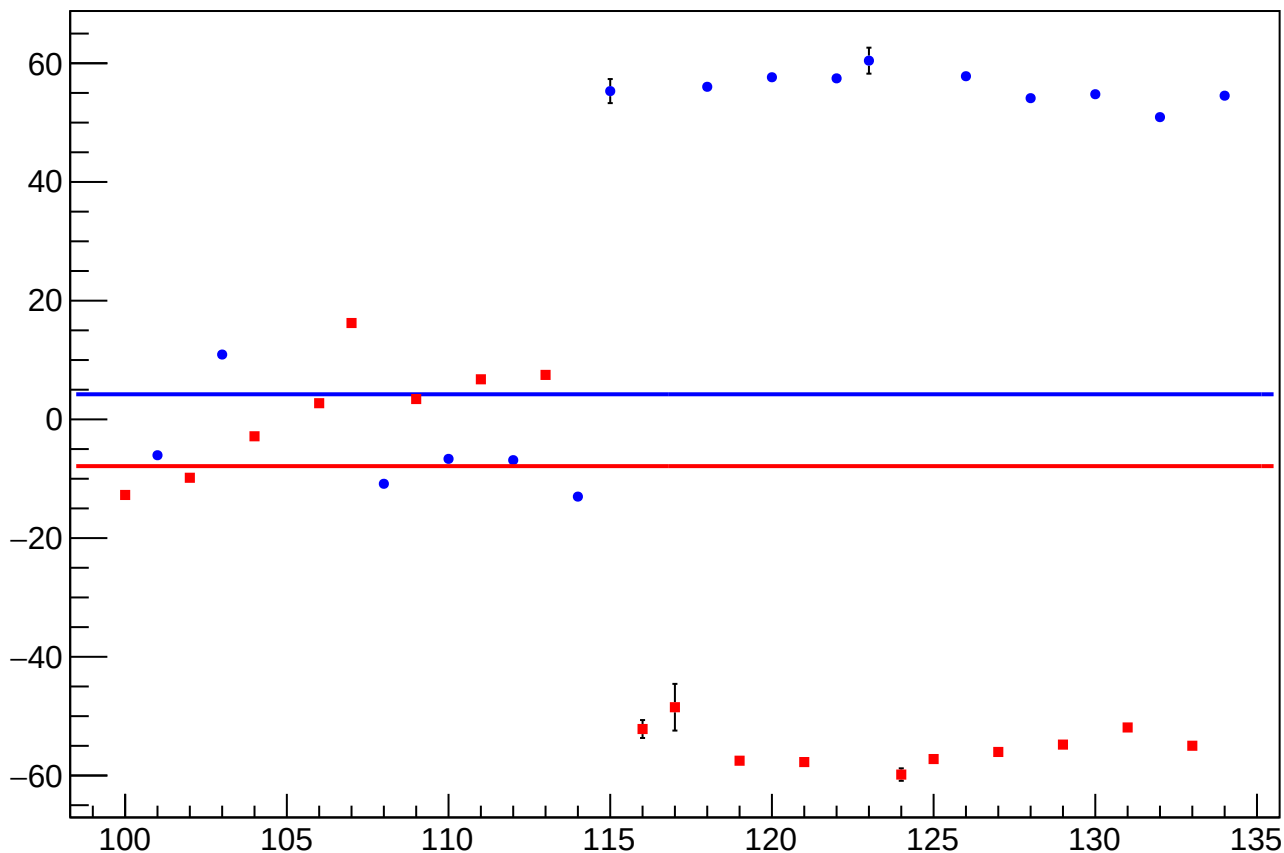
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

5.960 $\pm$ 0.091  $\chi^2$ /NDF: 1387.6/15

0.127 $\pm$ 0.066  $\chi^2$ /NDF: 12522.5/33

-6.174 $\pm$ 0.095  $\chi^2$ /NDF: 2616.9/17

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.229+/-0.066  $\chi^2/\text{NDF}$ : 97530.7/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.876+/-0.071  $\chi^2/\text{NDF}$ : 101203.4/17

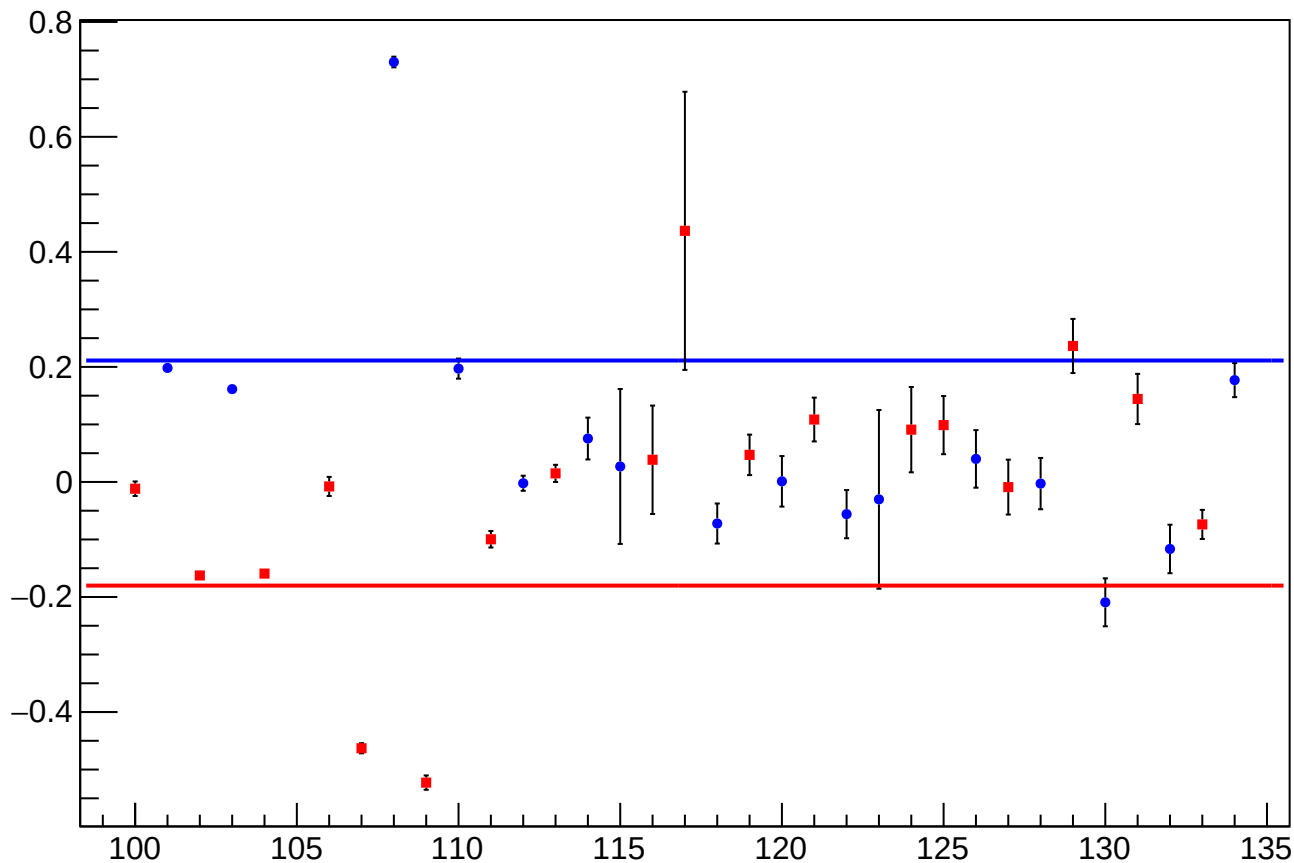
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4.229+/-0.066  $\chi^2/\text{NDF}$ : 97530.7/15

-1.361+/-0.049  $\chi^2/\text{NDF}$ : 214210.4/33

-7.876+/-0.071  $\chi^2/\text{NDF}$ : 101203.4/17

reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.211+/-0.003  $\chi^2/\text{NDF}$ : 3890.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.180+/-0.003  $\chi^2/\text{NDF}$ : 2622.1/17

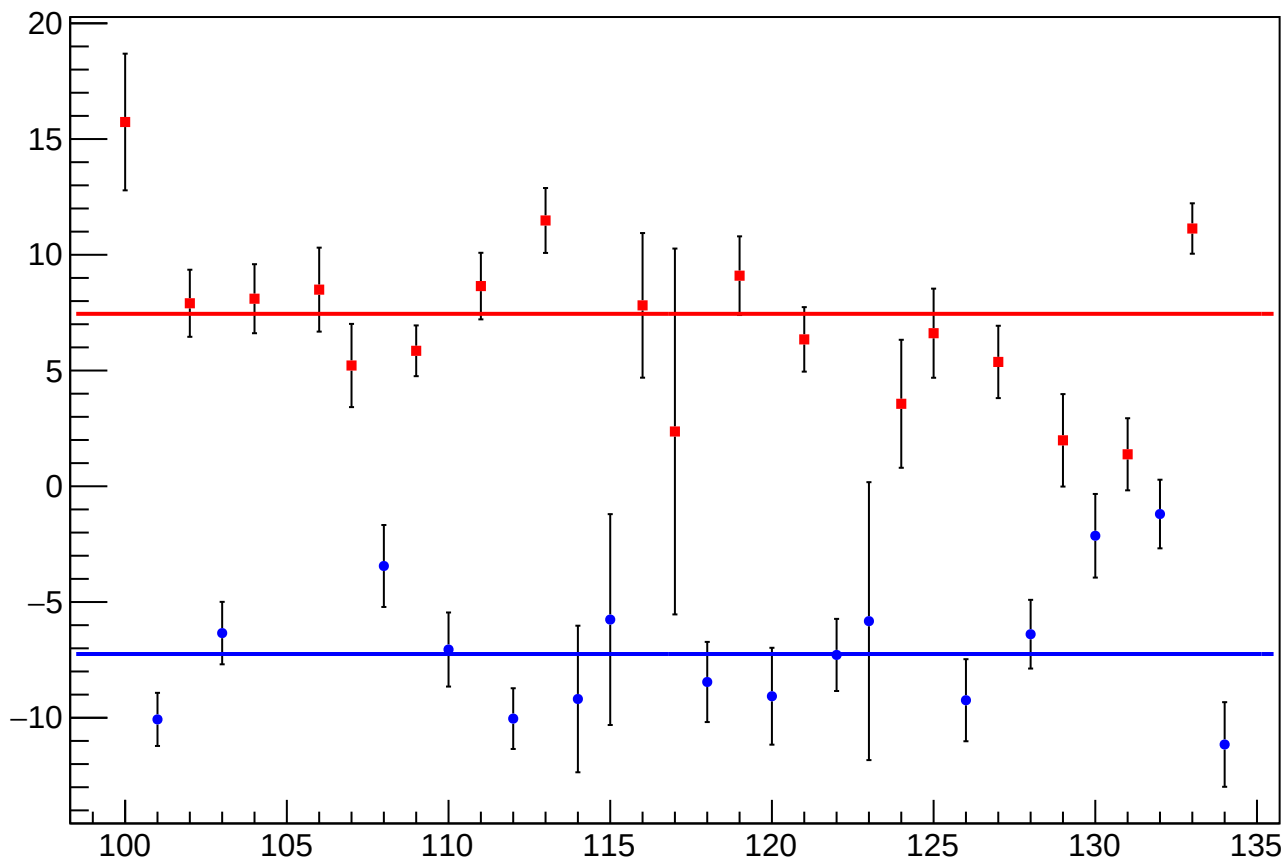
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.211+/-0.003  $\chi^2/\text{NDF}$ : 3890.0/15

0.009+/-0.002  $\chi^2/\text{NDF}$ : 16345.6/33

-0.180+/-0.003  $\chi^2/\text{NDF}$ : 2622.1/17

reg\_asym\_sam\_15\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -7.245+/-0.423  $\chi^2/\text{NDF}$ : 48.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.450+/-0.384  $\chi^2/\text{NDF}$ : 61.2/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

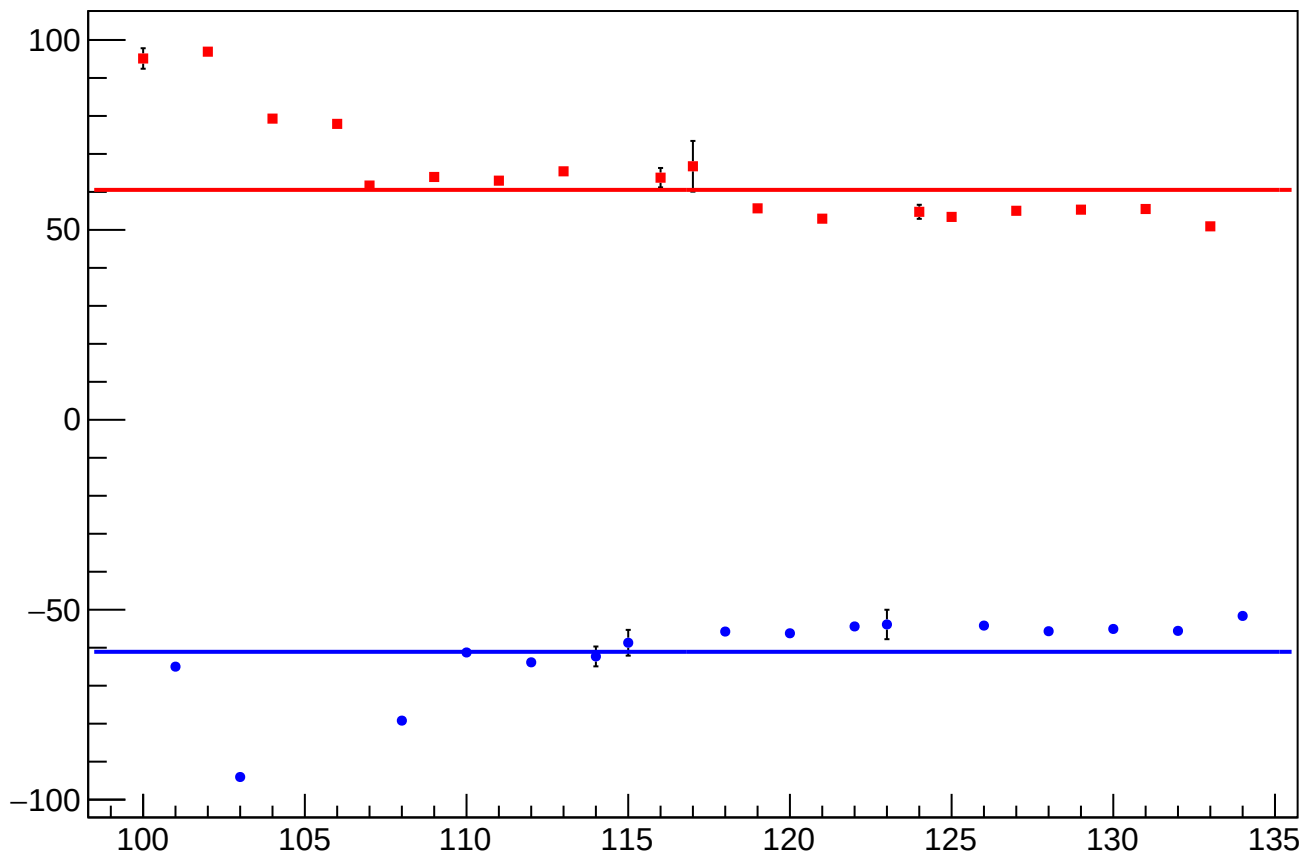
-7.245+/-0.423  $\chi^2/\text{NDF}$ : 48.3/15

0.811+/-0.284  $\chi^2/\text{NDF}$ : 770.4/33

7.450+/-0.384  $\chi^2/\text{NDF}$ : 61.2/17



reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -61.082 $\pm$ 0.245  $\chi^2$ /NDF: 1847.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 60.535 $\pm$ 0.229  $\chi^2$ /NDF: 2763.8/17

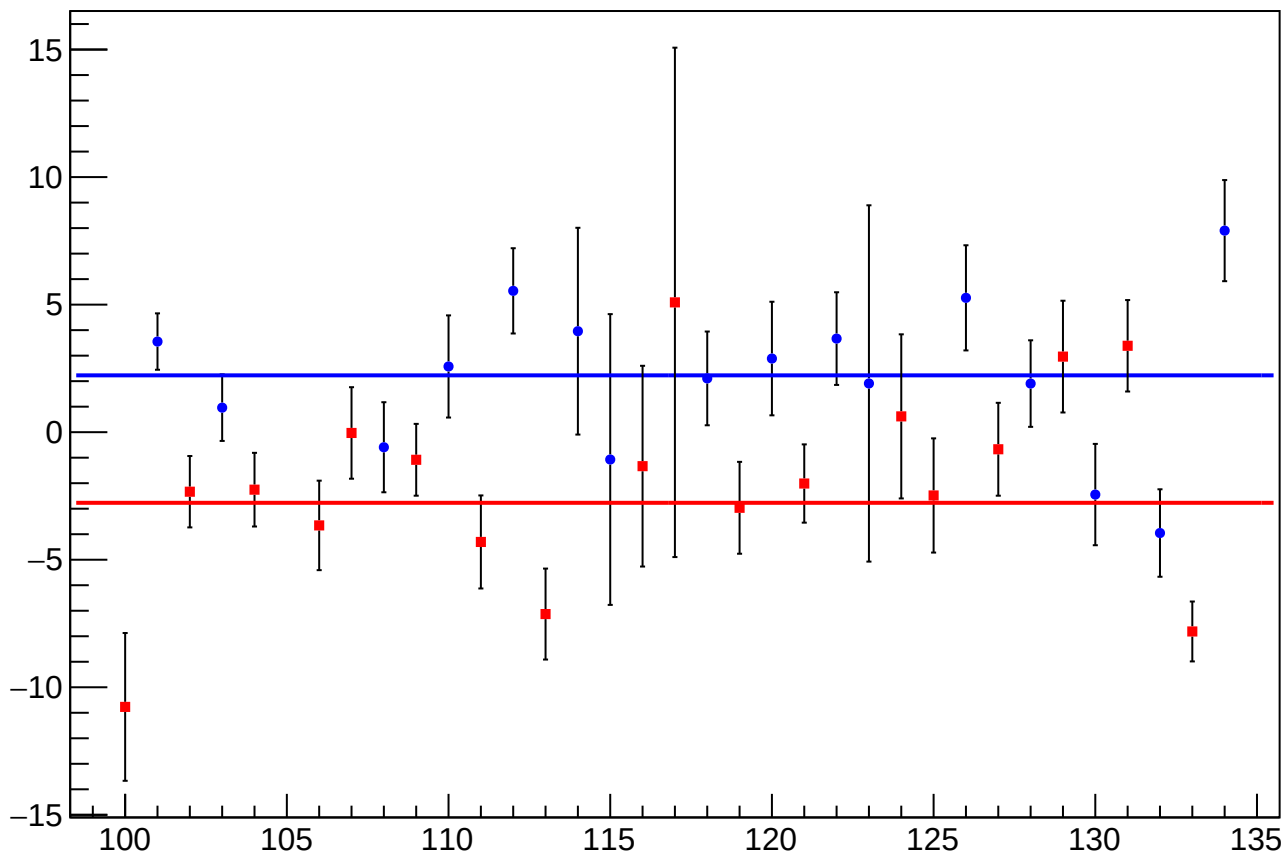
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-61.082 $\pm$ 0.245  $\chi^2$ /NDF: 1847.2/15

3.808 $\pm$ 0.167  $\chi^2$ /NDF: 136074.3/33

60.535 $\pm$ 0.229  $\chi^2$ /NDF: 2763.8/17

reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.228 $\pm$ 0.462  $\chi^2$ /NDF: 39.1/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2.769 $\pm$ 0.426  $\chi^2$ /NDF: 59.1/17

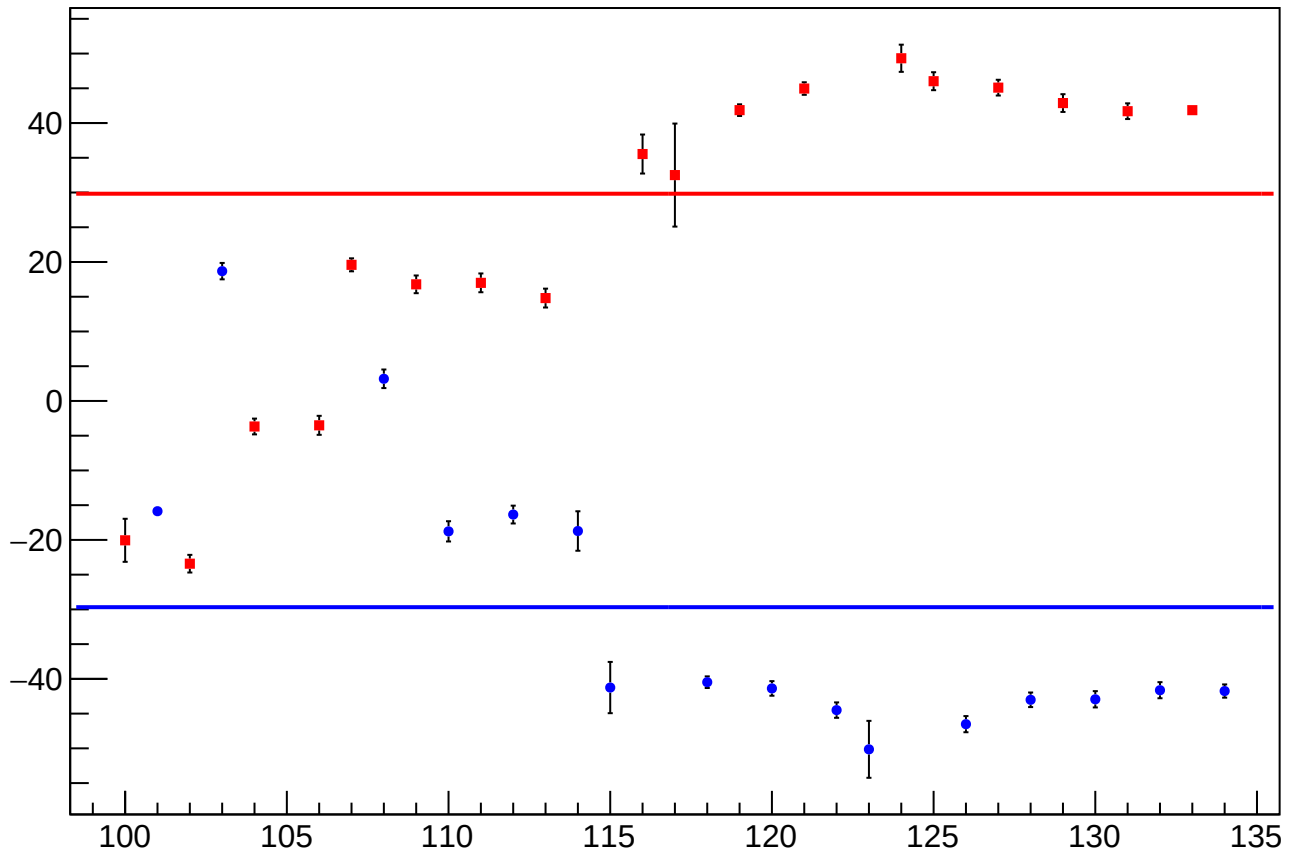
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

2.228 $\pm$ 0.462  $\chi^2$ /NDF: 39.1/15

-0.476 $\pm$ 0.313  $\chi^2$ /NDF: 161.4/33

-2.769 $\pm$ 0.426  $\chi^2$ /NDF: 59.1/17

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-29.682 \pm 0.288$   $\chi^2/\text{NDF}: 4129.9/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $29.827 \pm 0.270$   $\chi^2/\text{NDF}: 5500.2/17$

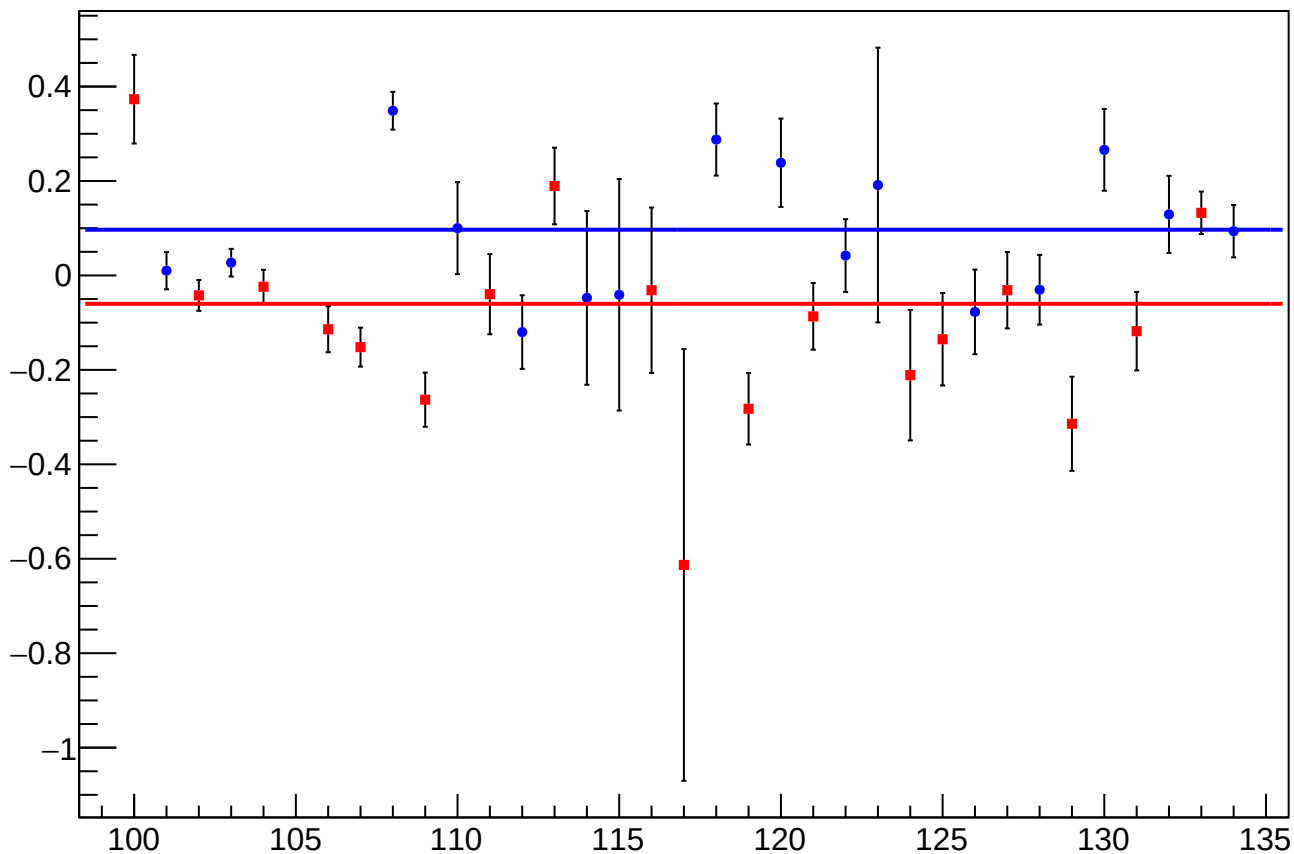
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-29.682 \pm 0.288$   $\chi^2/\text{NDF}: 4129.9/15$

$2.000 \pm 0.197$   $\chi^2/\text{NDF}: 32392.9/33$

$29.827 \pm 0.270$   $\chi^2/\text{NDF}: 5500.2/17$

reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.097 $\pm$ 0.016  $\chi^2$ /NDF: 78.7/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.060 $\pm$ 0.014  $\chi^2$ /NDF: 88.4/17

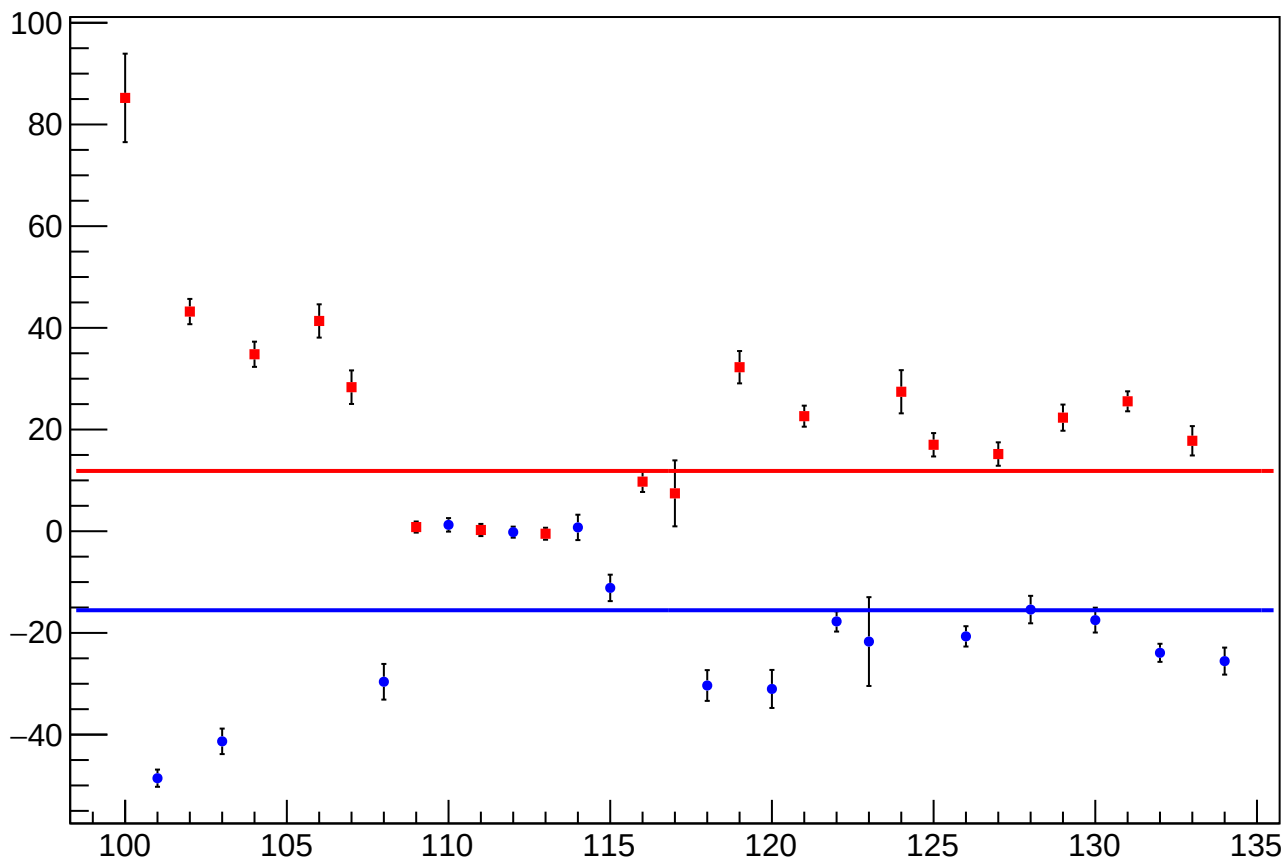
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

0.097 $\pm$ 0.016  $\chi^2$ /NDF: 78.7/15

0.012 $\pm$ 0.011  $\chi^2$ /NDF: 222.3/33

-0.060 $\pm$ 0.014  $\chi^2$ /NDF: 88.4/17

reg\_asym\_sam\_37\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-15.541 \pm 0.515$   $\chi^2/\text{NDF}$ : 993.8/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $11.857 \pm 0.480$   $\chi^2/\text{NDF}$ : 888.0/17

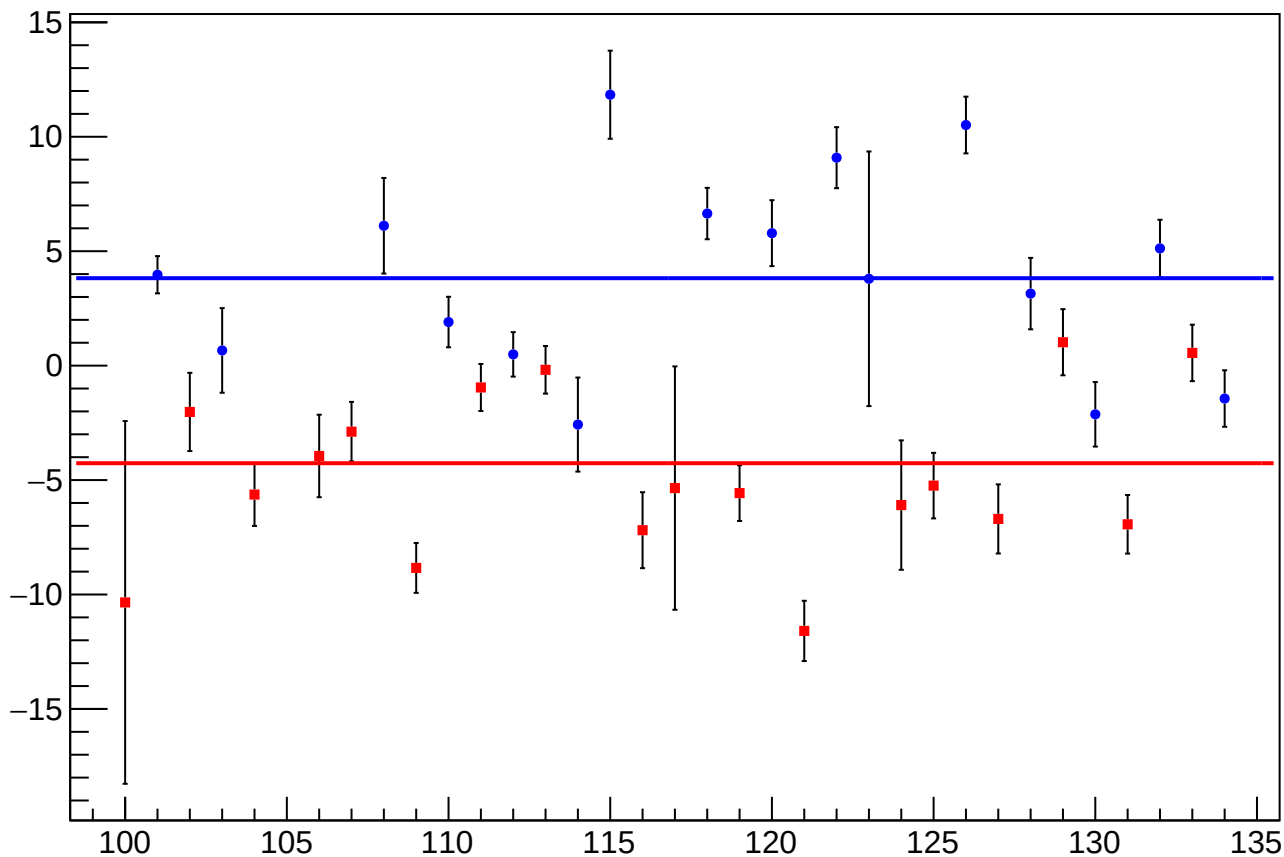
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-15.541 \pm 0.515$   $\chi^2/\text{NDF}$ : 993.8/15

$-0.873 \pm 0.351$   $\chi^2/\text{NDF}$ : 3396.1/33

$11.857 \pm 0.480$   $\chi^2/\text{NDF}$ : 888.0/17

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.821+/-0.331  $\chi^2/\text{NDF}$ : 136.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.263+/-0.334  $\chi^2/\text{NDF}$ : 119.6/17

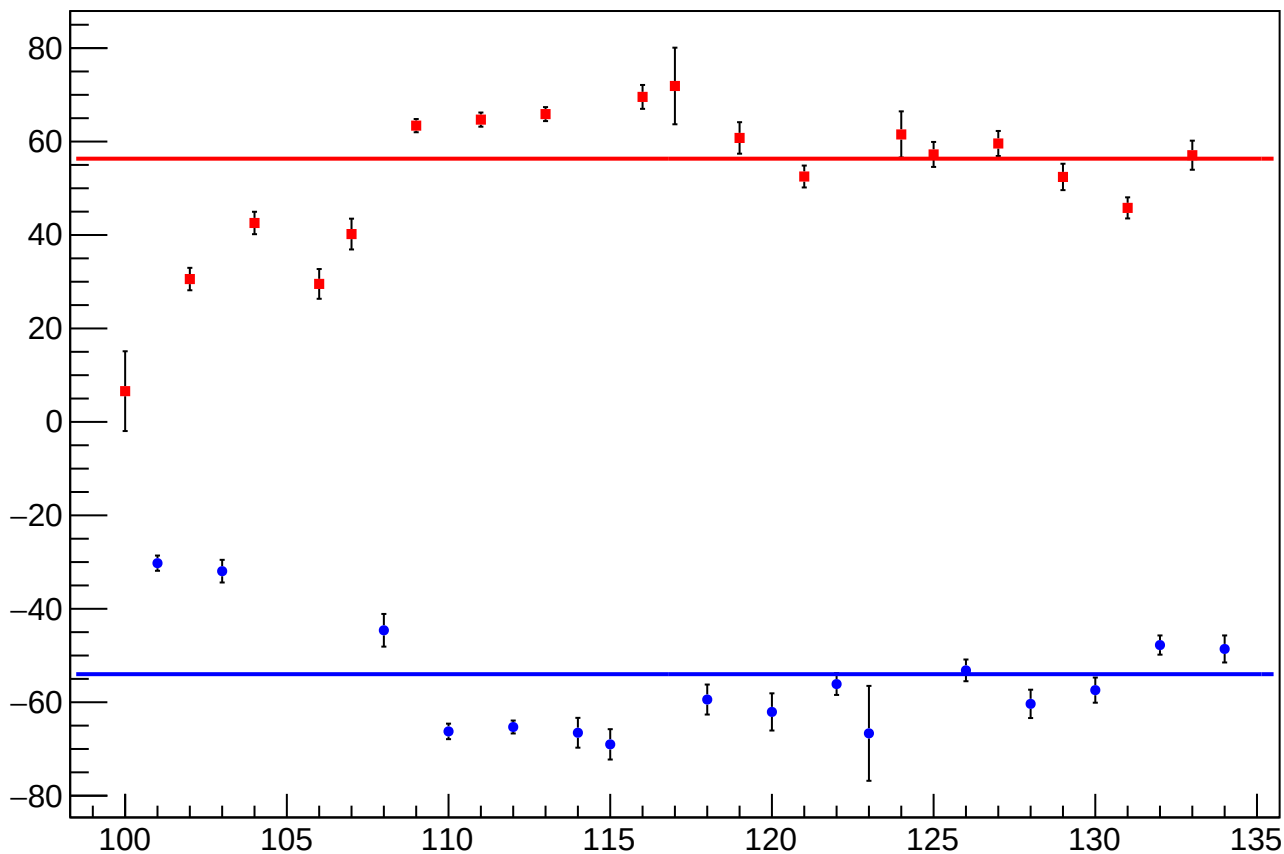
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.821+/-0.331  $\chi^2/\text{NDF}$ : 136.1/15

-0.176+/-0.235  $\chi^2/\text{NDF}$ : 551.5/33

-4.263+/-0.334  $\chi^2/\text{NDF}$ : 119.6/17

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -53.992 $\pm$ 0.593  $\chi^2/\text{NDF}$ : 488.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 56.337 $\pm$ 0.567  $\chi^2/\text{NDF}$ : 434.1/17

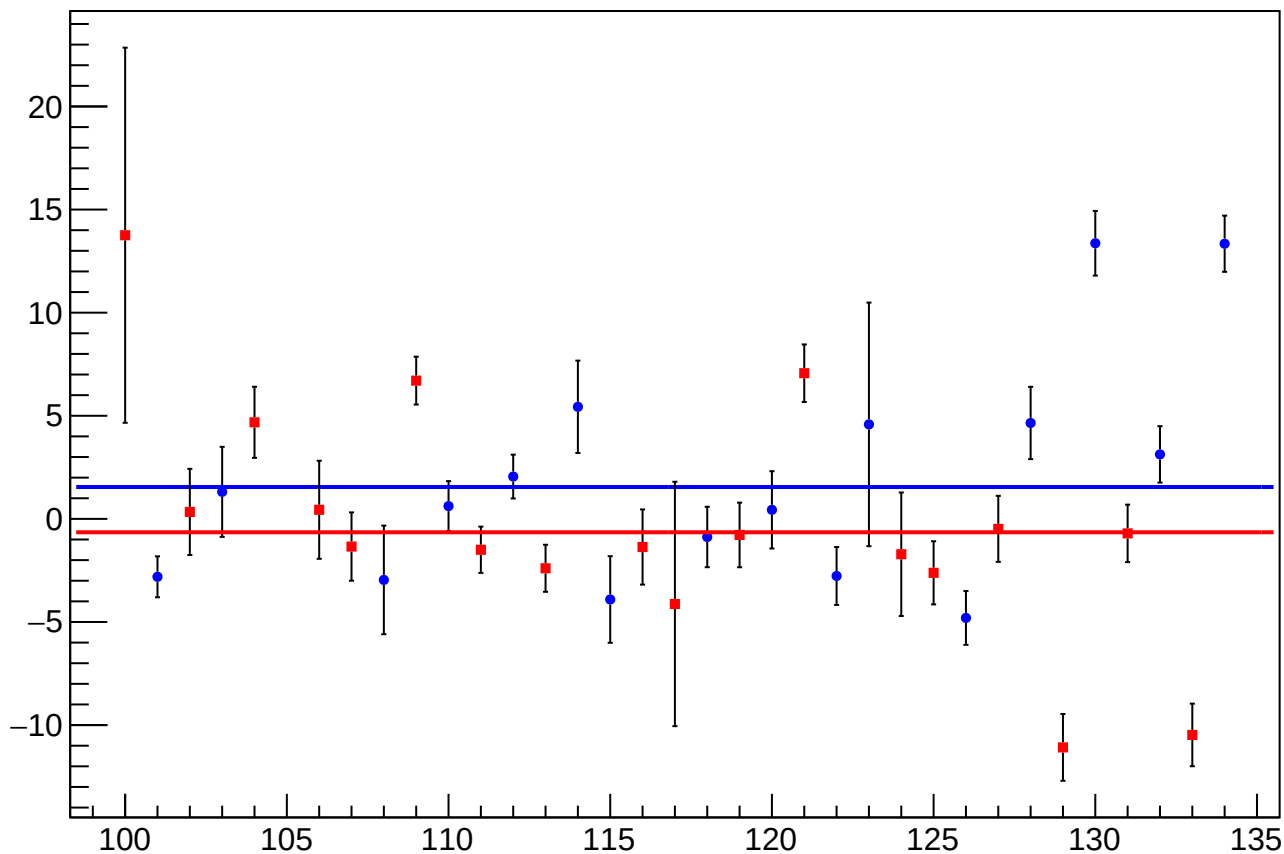
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

-53.992 $\pm$ 0.593  $\chi^2/\text{NDF}$ : 488.2/15

3.632 $\pm$ 0.410  $\chi^2/\text{NDF}$ : 19029.6/33

56.337 $\pm$ 0.567  $\chi^2/\text{NDF}$ : 434.1/17

reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.545 $\pm$ 0.377  $\chi^2$ /NDF: 205.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.650 $\pm$ 0.380  $\chi^2$ /NDF: 172.0/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

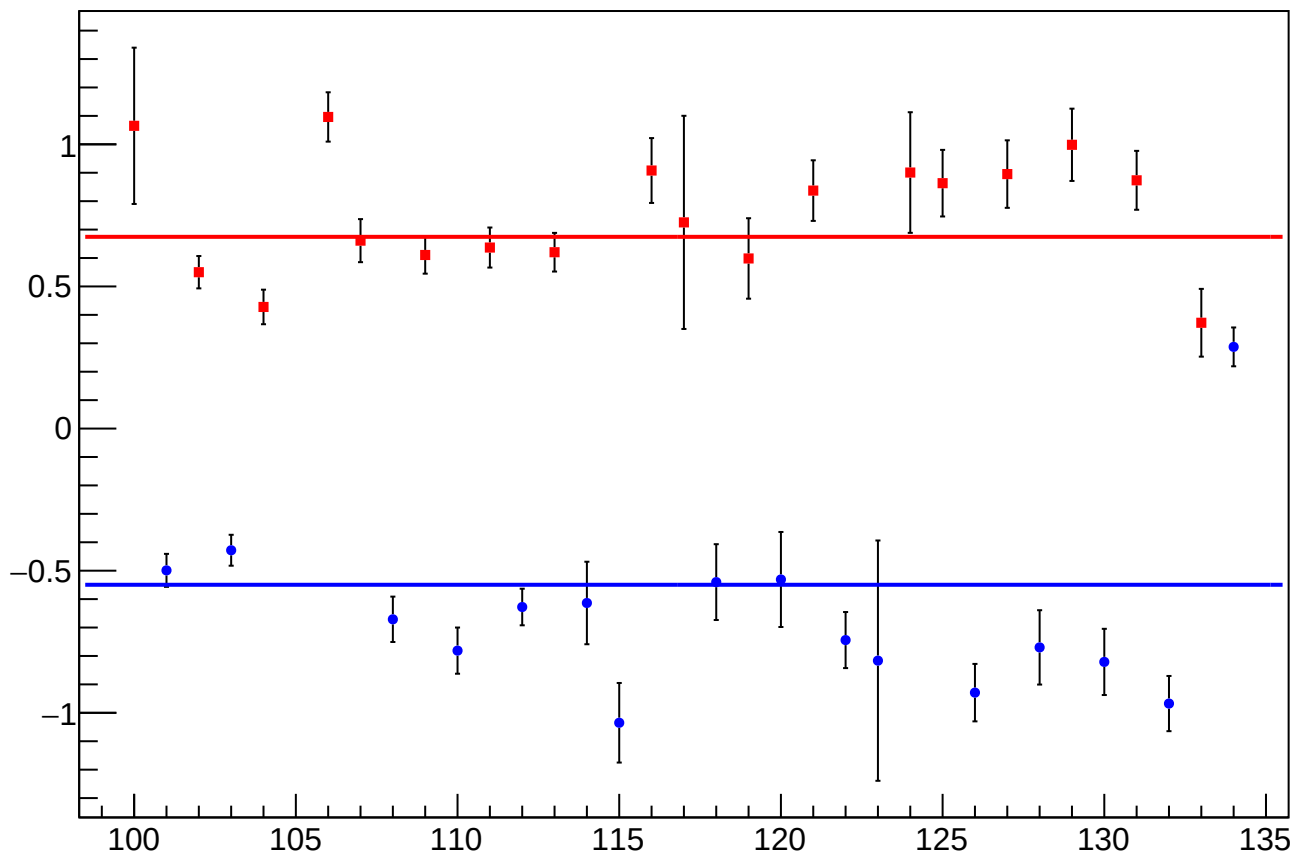
1.545 $\pm$ 0.377  $\chi^2$ /NDF: 205.6/15

0.456 $\pm$ 0.268  $\chi^2$ /NDF: 394.5/33

-0.650 $\pm$ 0.380  $\chi^2$ /NDF: 172.0/17



reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.550 \pm 0.022$   $\chi^2/\text{NDF}: 225.2/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.675 \pm 0.022$   $\chi^2/\text{NDF}: 79.4/17$

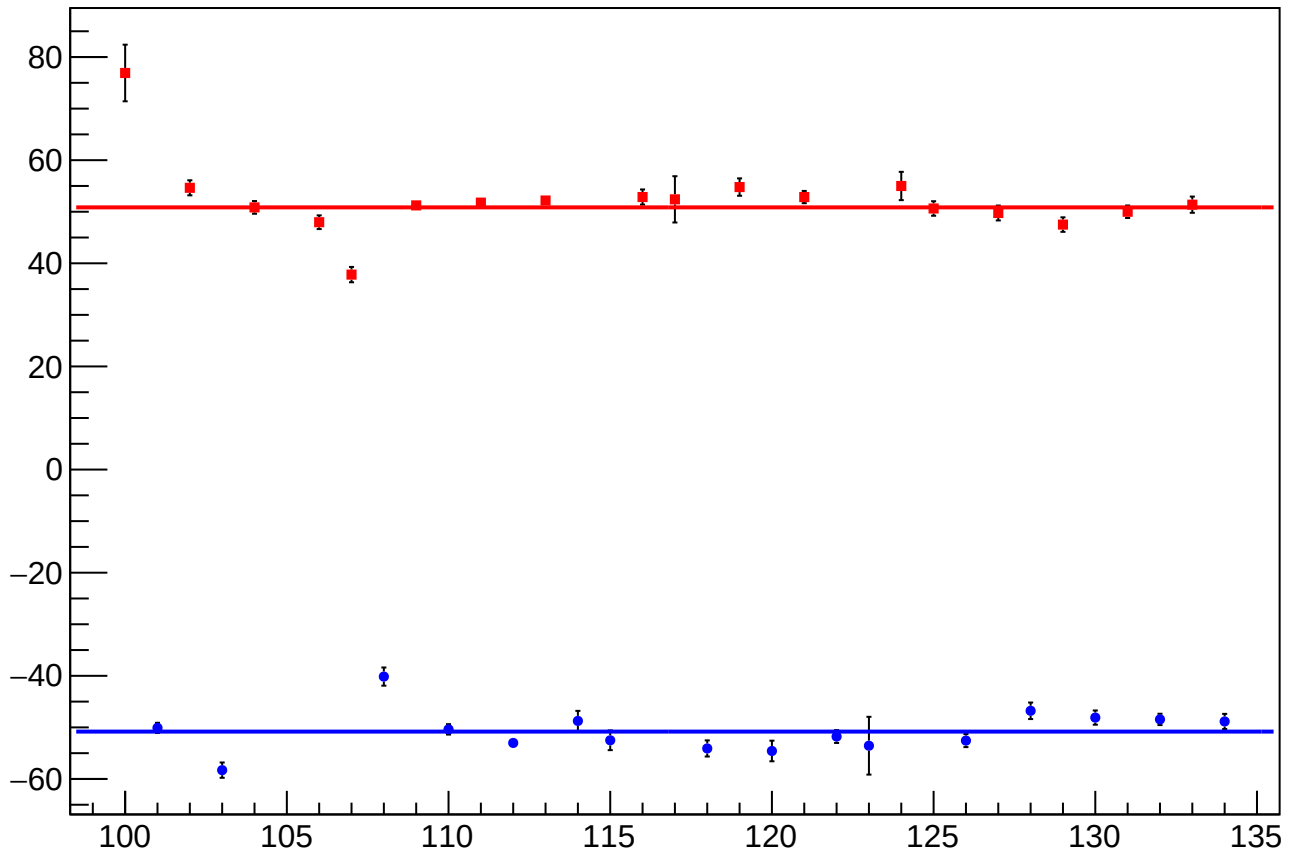
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-0.550 \pm 0.022$   $\chi^2/\text{NDF}: 225.2/15$

$0.081 \pm 0.015$   $\chi^2/\text{NDF}: 1875.6/33$

$0.675 \pm 0.022$   $\chi^2/\text{NDF}: 79.4/17$

reg\_asym\_sam\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -50.815 $\pm$ 0.335  $\chi^2/\text{NDF}$ : 98.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 50.847 $\pm$ 0.314  $\chi^2/\text{NDF}$ : 133.5/17

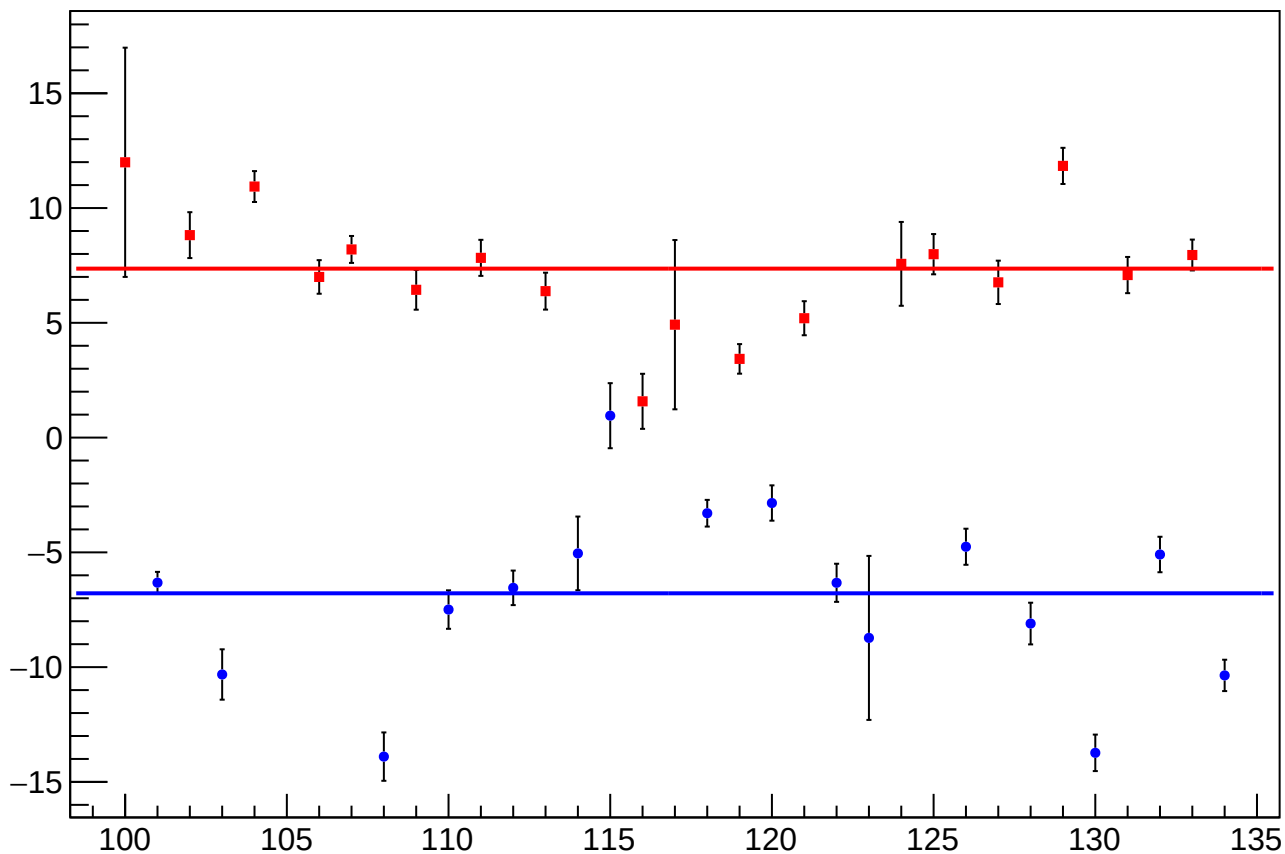
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

-50.815 $\pm$ 0.335  $\chi^2/\text{NDF}$ : 98.6/15

3.355 $\pm$ 0.229  $\chi^2/\text{NDF}$ : 49289.9/33

50.847 $\pm$ 0.314  $\chi^2/\text{NDF}$ : 133.5/17

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.784+/-0.201  $\chi^2/\text{NDF}$ : 268.9/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.361+/-0.197  $\chi^2/\text{NDF}$ : 140.0/17

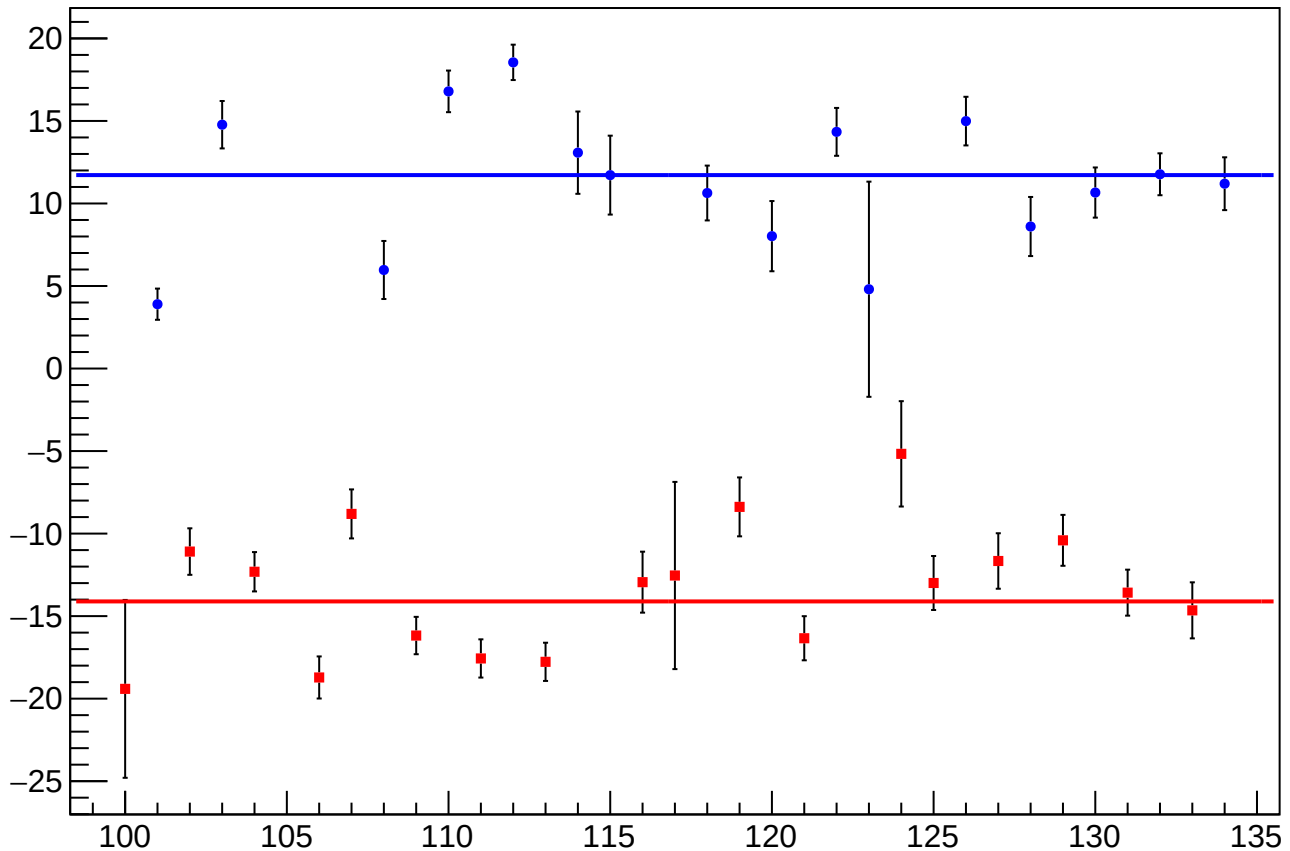
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6.784+/-0.201  $\chi^2/\text{NDF}$ : 268.9/15

0.418+/-0.141  $\chi^2/\text{NDF}$ : 2929.2/33

7.361+/-0.197  $\chi^2/\text{NDF}$ : 140.0/17

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $11.720 \pm 0.376$   $\chi^2/\text{NDF}$ : 157.1/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-14.110 \pm 0.356$   $\chi^2/\text{NDF}$ : 85.9/17

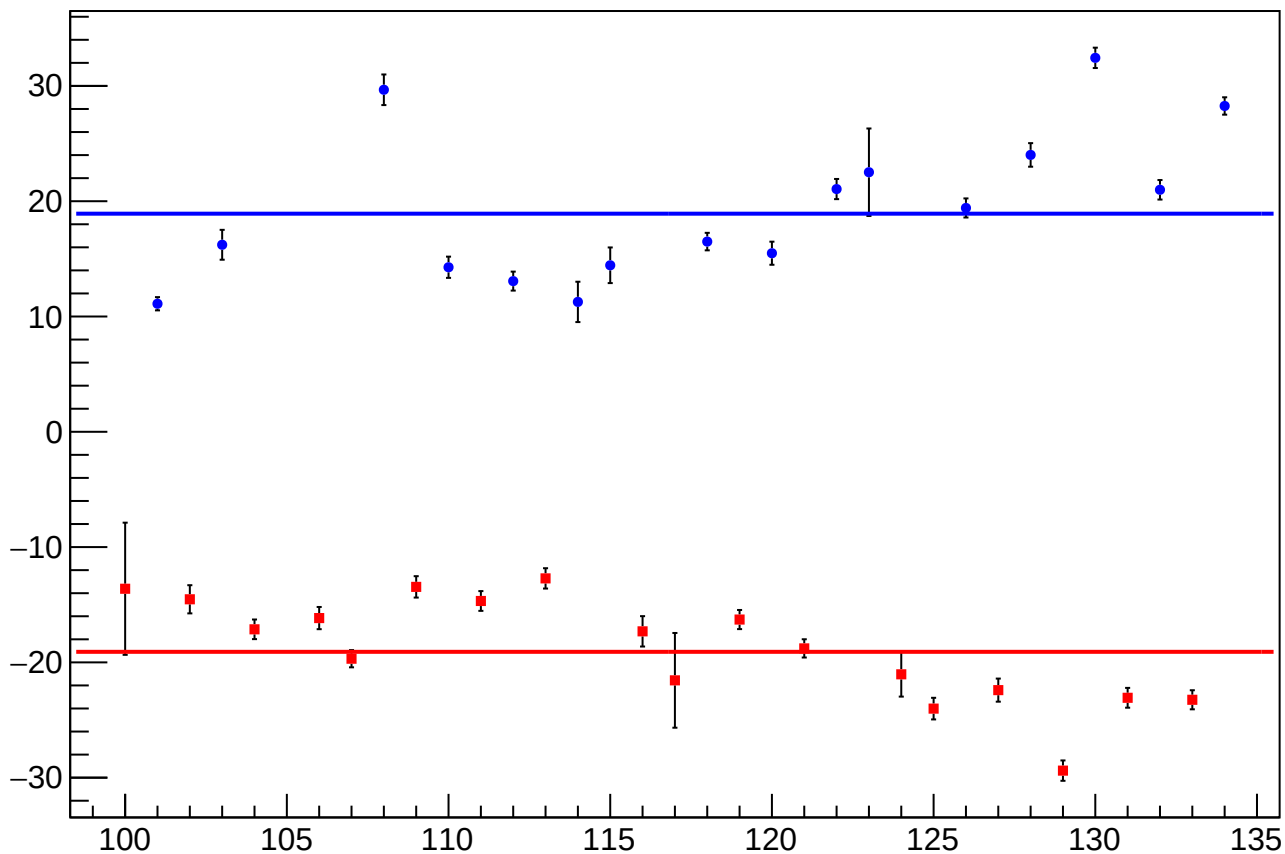
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$11.720 \pm 0.376$   $\chi^2/\text{NDF}$ : 157.1/15

$-1.910 \pm 0.259$   $\chi^2/\text{NDF}$ : 2729.1/33

$-14.110 \pm 0.356$   $\chi^2/\text{NDF}$ : 85.9/17

reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $18.919 \pm 0.232$   $\chi^2/\text{NDF}$ : 806.6/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-19.085 \pm 0.230$   $\chi^2/\text{NDF}$ : 382.0/17

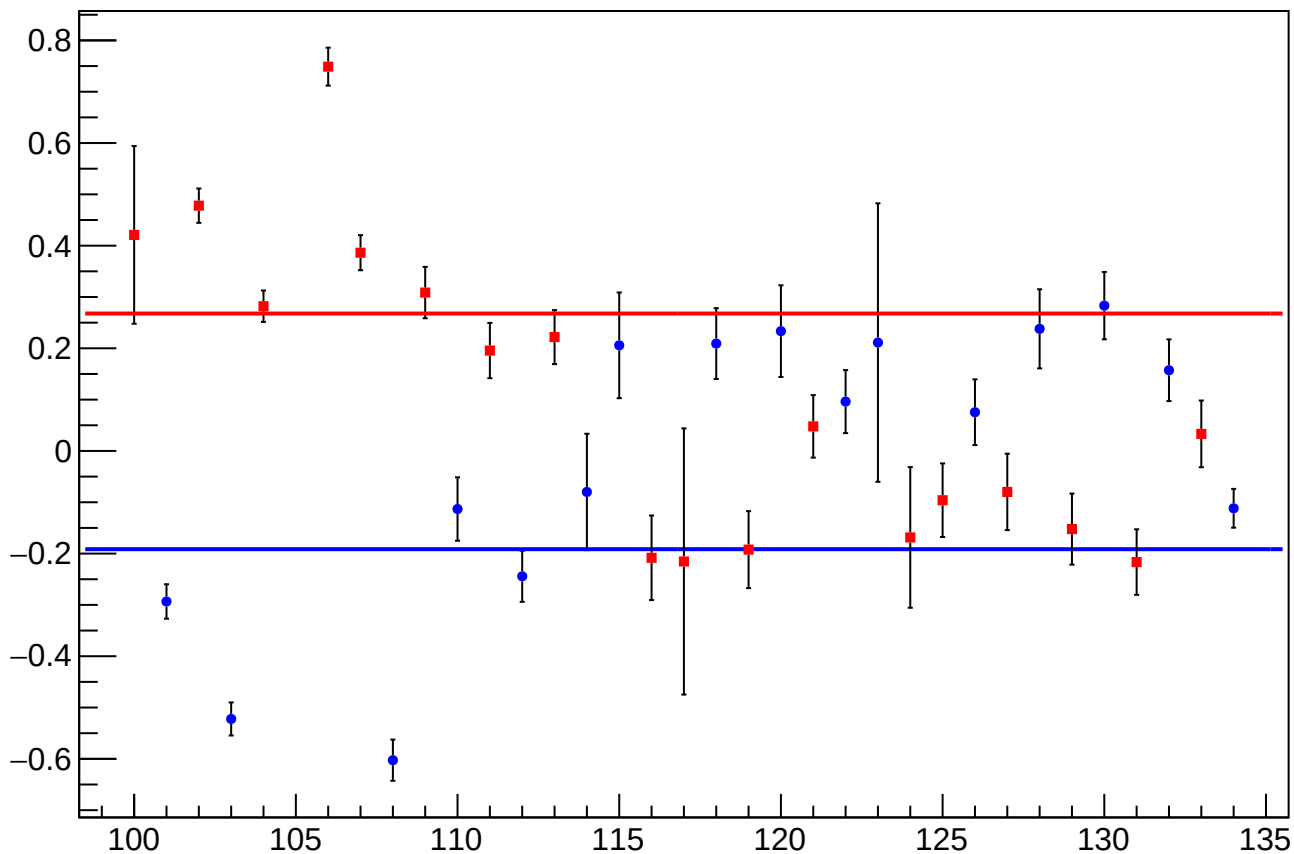
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$18.919 \pm 0.232$   $\chi^2/\text{NDF}$ : 806.6/15

$-0.277 \pm 0.163$   $\chi^2/\text{NDF}$ : 14729.8/33

$-19.085 \pm 0.230$   $\chi^2/\text{NDF}$ : 382.0/17

reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.191+/-0.013  $\chi^2/\text{NDF}$ : 457.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.268+/-0.012  $\chi^2/\text{NDF}$ : 477.6/17

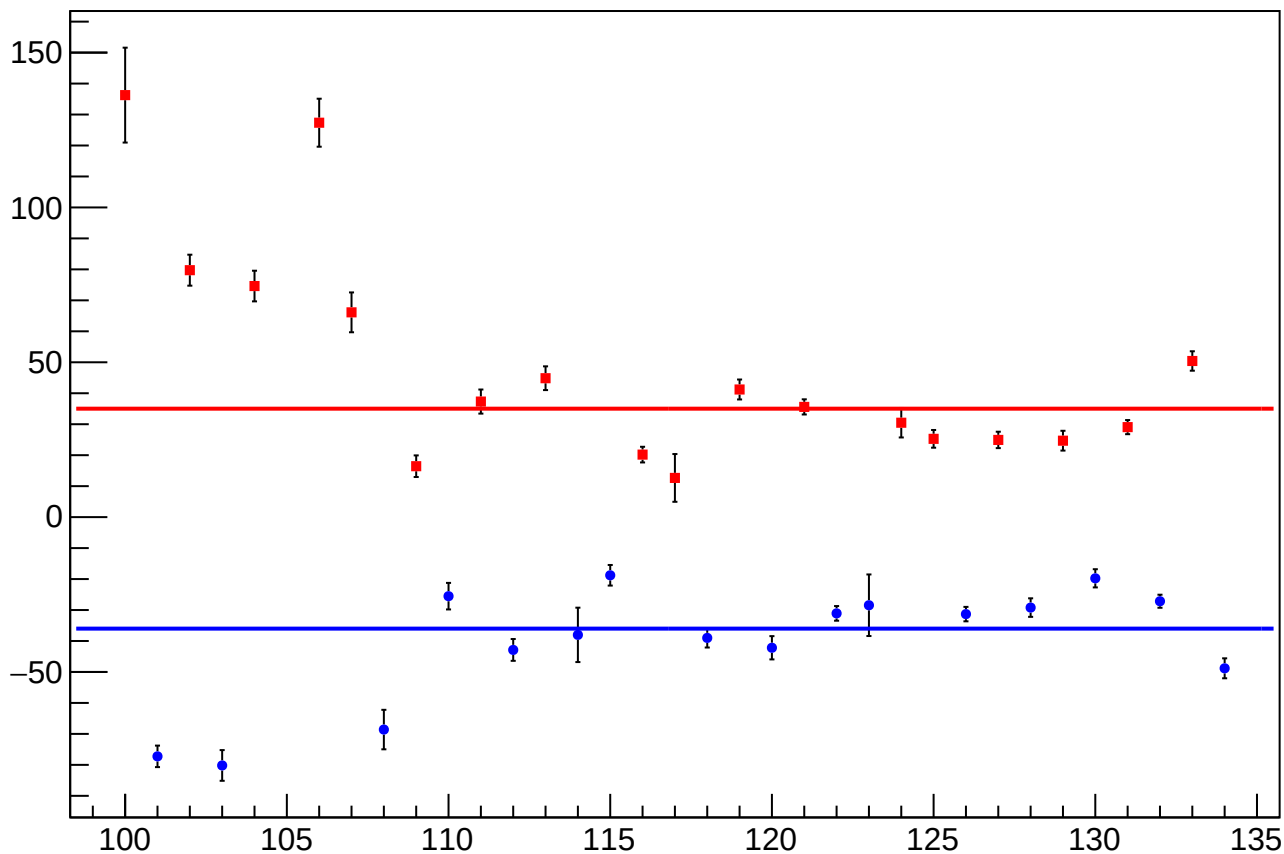
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.191+/-0.013  $\chi^2/\text{NDF}$ : 457.2/15

0.055+/-0.009  $\chi^2/\text{NDF}$ : 1561.9/33

0.268+/-0.012  $\chi^2/\text{NDF}$ : 477.6/17

reg\_asym\_sam\_26\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -36.006 $\pm$ 0.821  $\chi^2$ /NDF: 365.0/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 35.018 $\pm$ 0.822  $\chi^2$ /NDF: 503.2/17

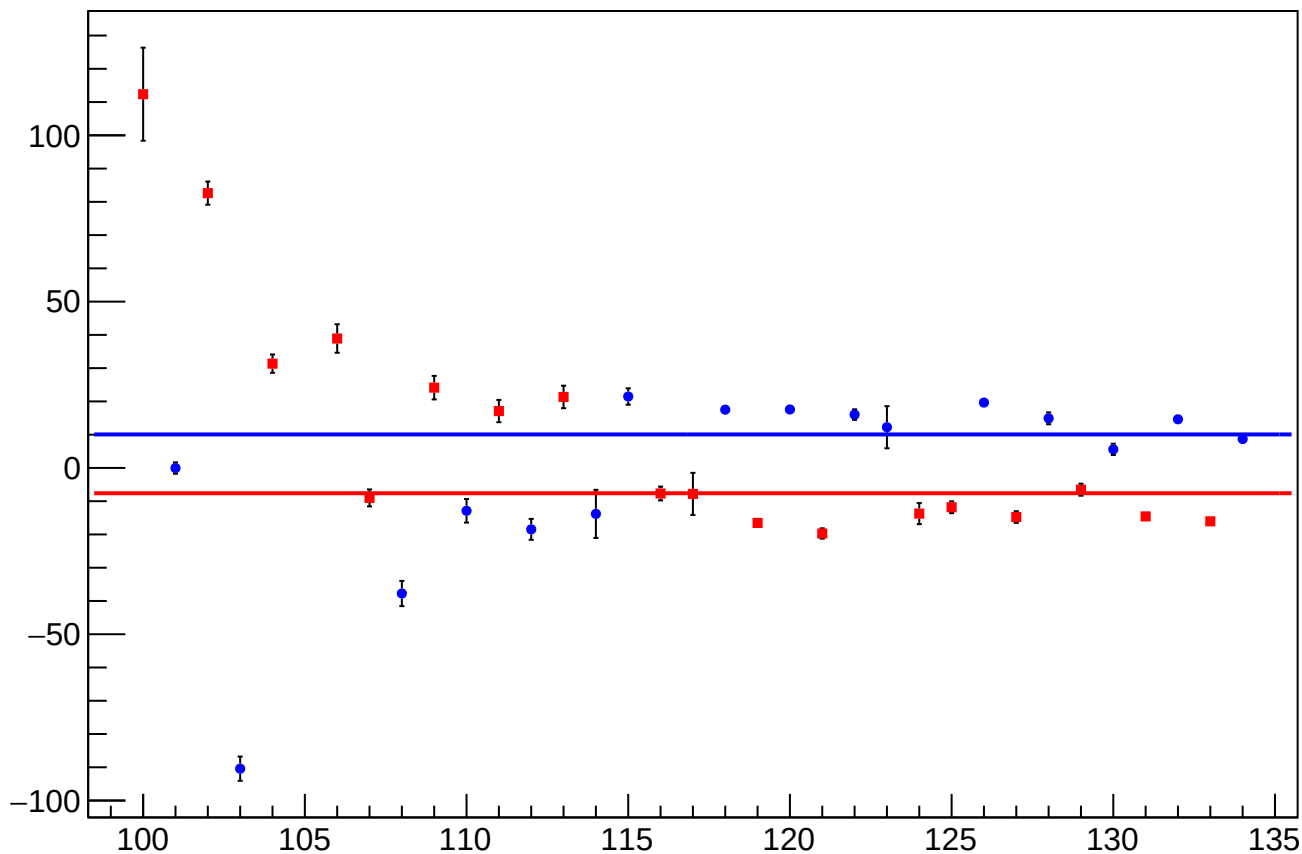
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-36.006 $\pm$ 0.821  $\chi^2$ /NDF: 365.0/15

-0.550 $\pm$ 0.581  $\chi^2$ /NDF: 4604.5/33

35.018 $\pm$ 0.822  $\chi^2$ /NDF: 503.2/17

reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.068+/-0.468  $\chi^2$ /NDF: 1263.5/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7.609+/-0.495  $\chi^2$ /NDF: 1469.6/17

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

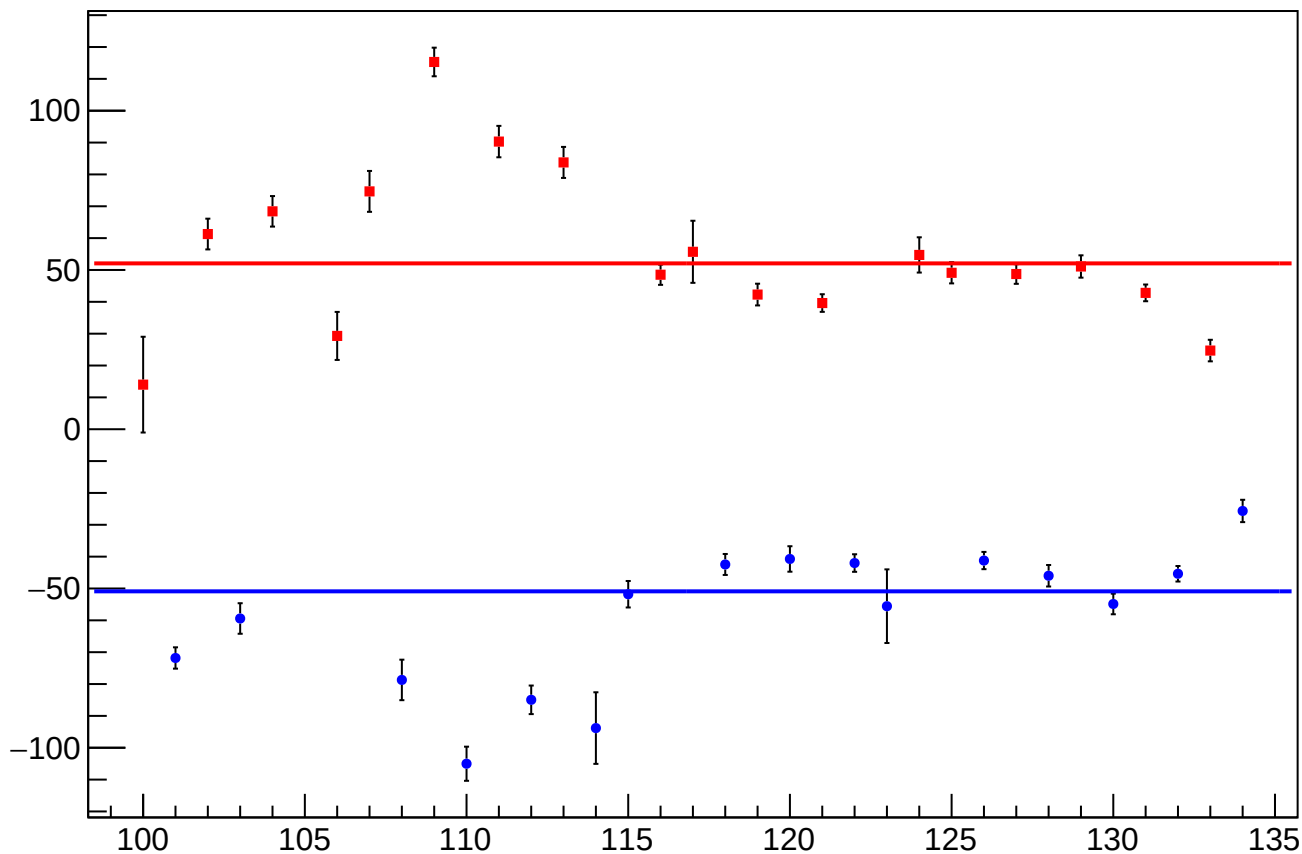
10.068+/-0.468  $\chi^2$ /NDF: 1263.5/15

1.724+/-0.340  $\chi^2$ /NDF: 3405.4/33

-7.609+/-0.495  $\chi^2$ /NDF: 1469.6/17



reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -50.896 $\pm$ 0.924  $\chi^2$ /NDF: 332.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 52.069 $\pm$ 0.939  $\chi^2$ /NDF: 454.1/17

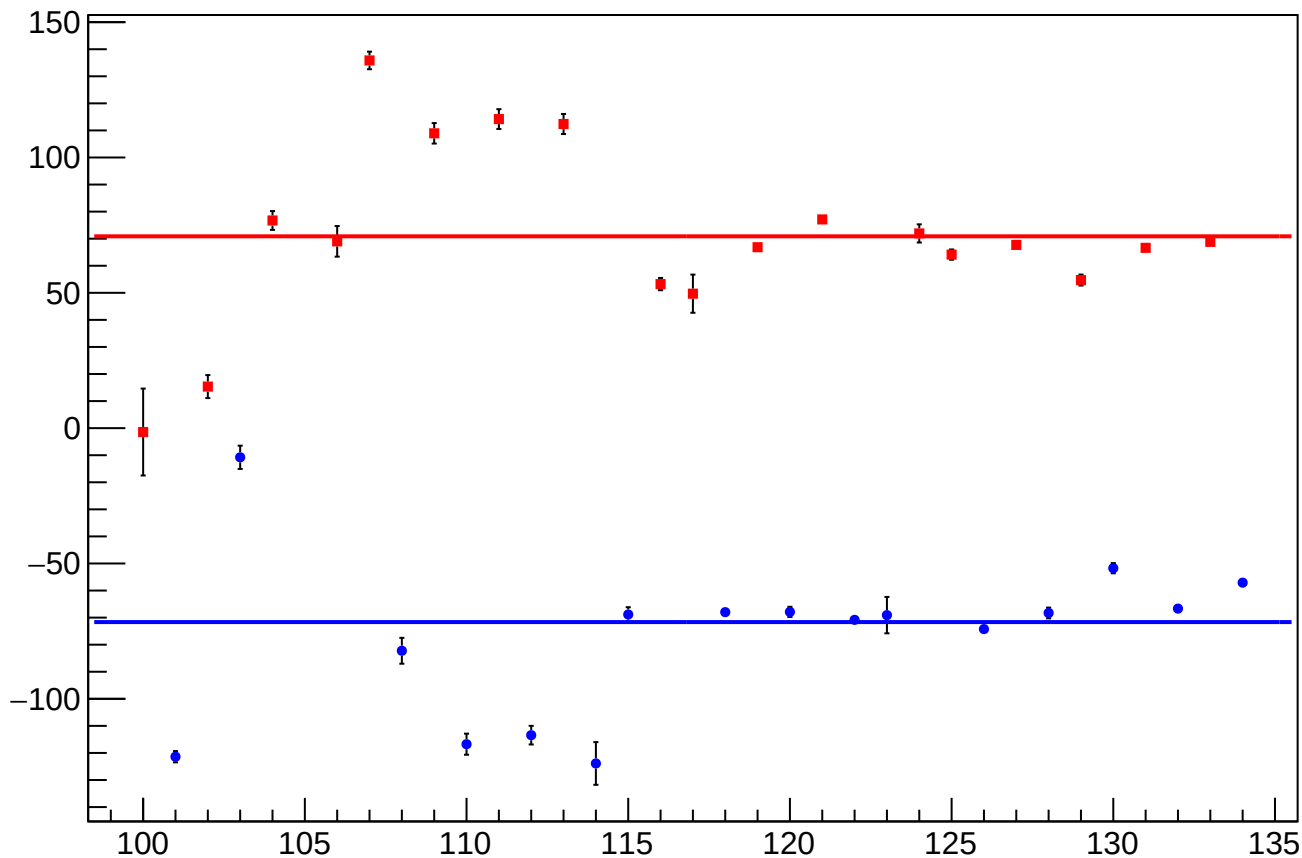
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-50.896 $\pm$ 0.924  $\chi^2$ /NDF: 332.6/15

-0.244 $\pm$ 0.659  $\chi^2$ /NDF: 6894.0/33

52.069 $\pm$ 0.939  $\chi^2$ /NDF: 454.1/17

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-71.650 \pm 0.538$   $\chi^2/\text{NDF}$ : 1315.8/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $70.877 \pm 0.567$   $\chi^2/\text{NDF}$ : 1140.6/17

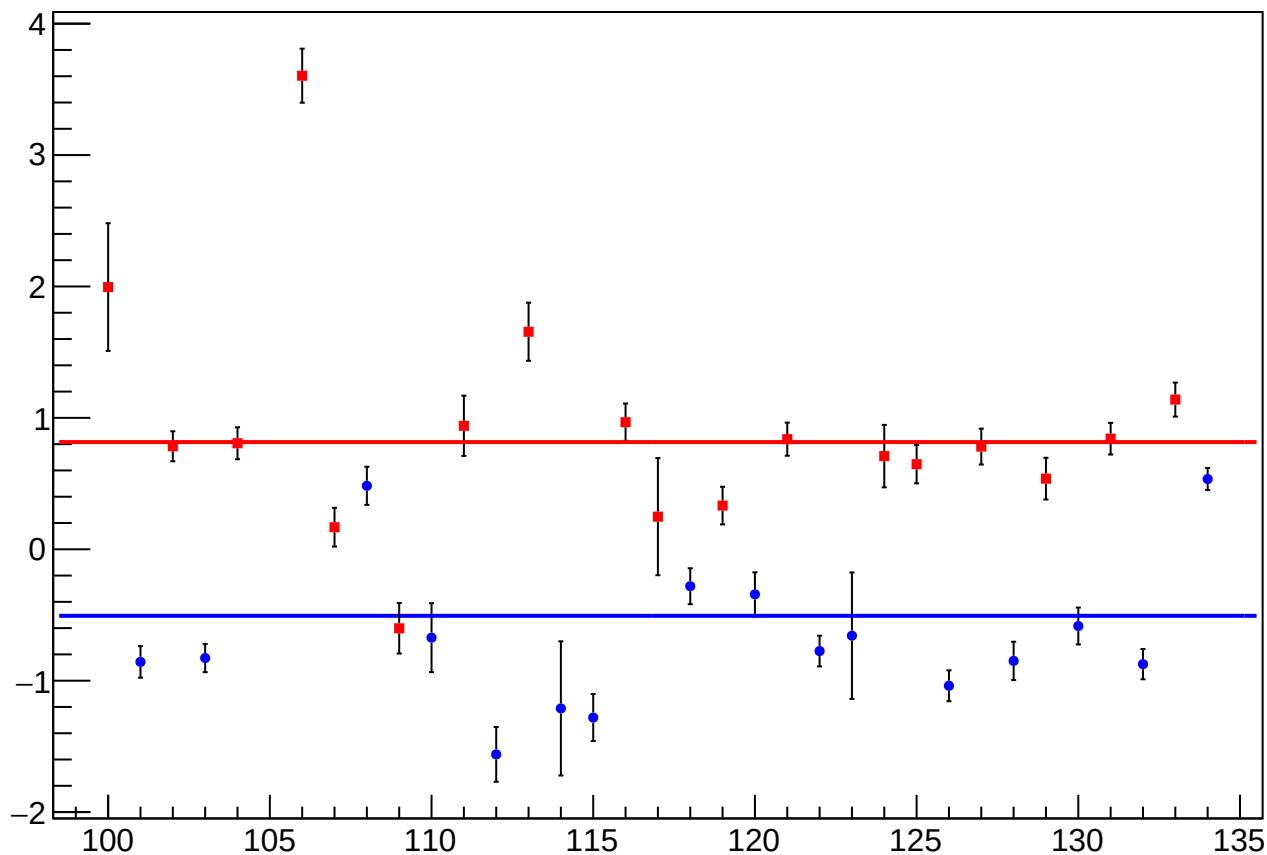
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-71.650 \pm 0.538$   $\chi^2/\text{NDF}$ : 1315.8/15

$-4.043 \pm 0.390$   $\chi^2/\text{NDF}$ : 35708.1/33

$70.877 \pm 0.567$   $\chi^2/\text{NDF}$ : 1140.6/17

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.506 \pm 0.035$   $\chi^2/\text{NDF}$ : 309.4/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.816 \pm 0.037$   $\chi^2/\text{NDF}$ : 303.3/17

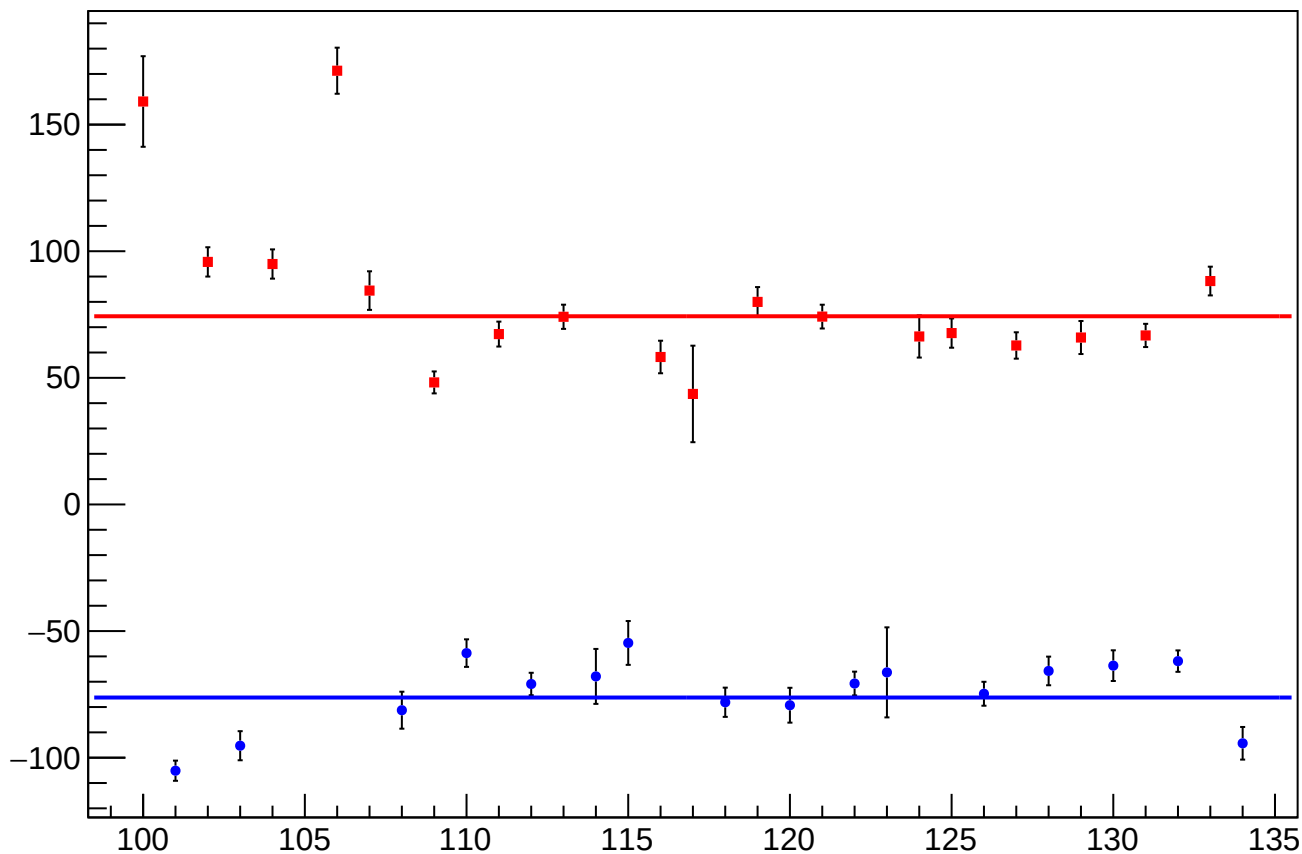
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.506 \pm 0.035$   $\chi^2/\text{NDF}$ : 309.4/15

$0.116 \pm 0.025$   $\chi^2/\text{NDF}$ : 1295.4/33

$0.816 \pm 0.037$   $\chi^2/\text{NDF}$ : 303.3/17

reg\_asym\_sam\_26\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -76.243+/-1.412  $\chi^2/\text{NDF}$ : 112.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 74.316+/-1.393  $\chi^2/\text{NDF}$ : 229.9/17

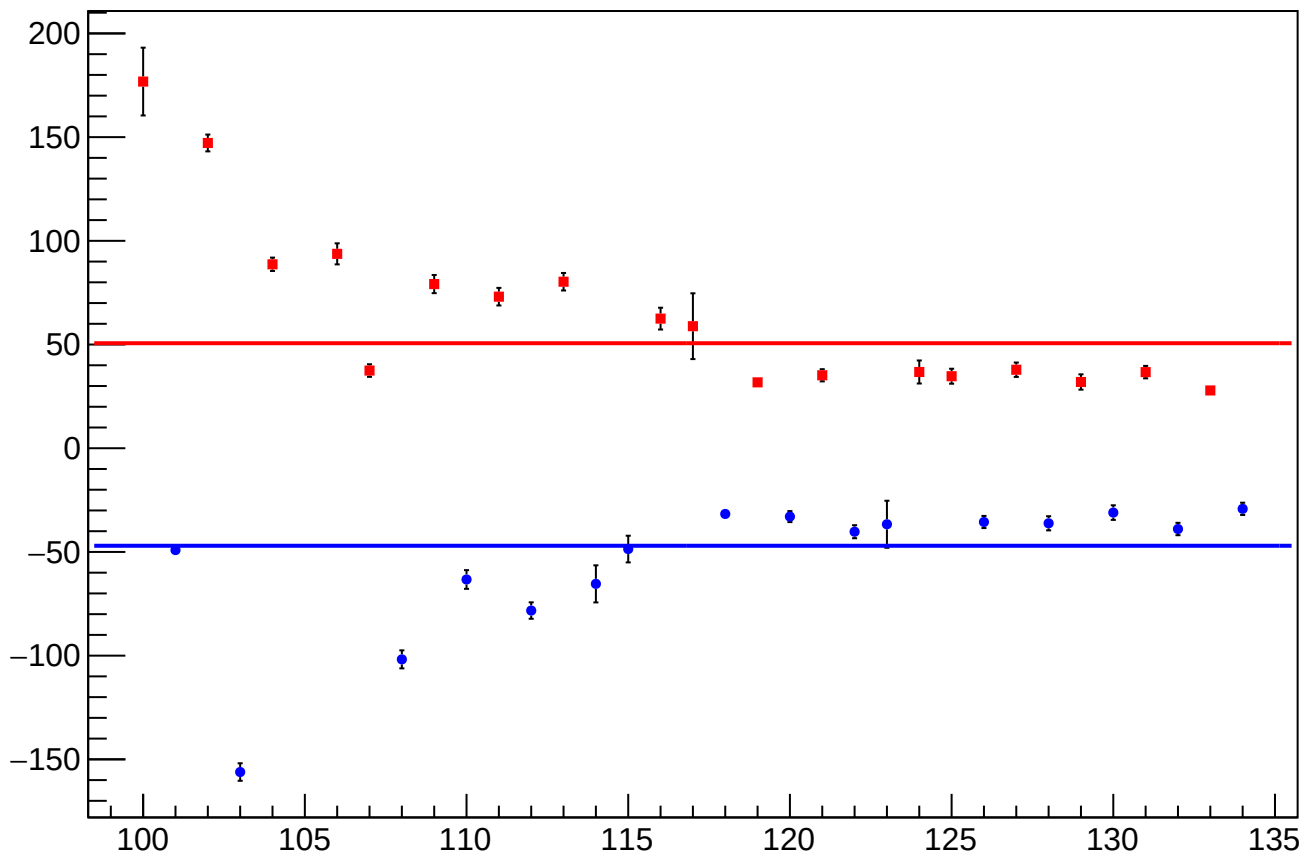
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-76.243+/-1.412  $\chi^2/\text{NDF}$ : 112.0/15

0.035+/-0.992  $\chi^2/\text{NDF}$ : 6104.0/33

74.316+/-1.393  $\chi^2/\text{NDF}$ : 229.9/17

reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-47.020 \pm 0.817$   $\chi^2/\text{NDF}$ : 1080.5/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $50.637 \pm 0.853$   $\chi^2/\text{NDF}$ : 1254.3/17

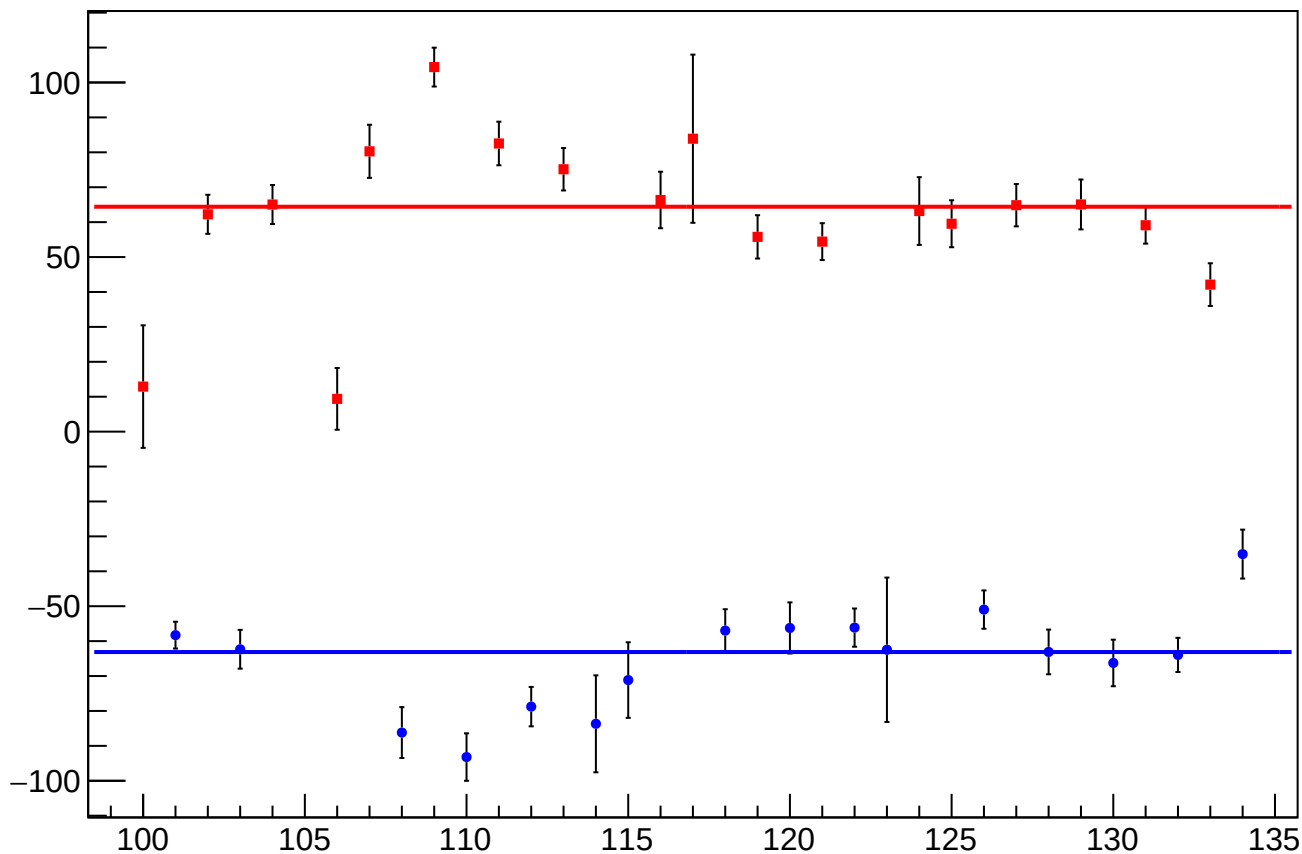
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-47.020 \pm 0.817$   $\chi^2/\text{NDF}$ : 1080.5/15

$-0.302 \pm 0.590$   $\chi^2/\text{NDF}$ : 9168.5/33

$50.637 \pm 0.853$   $\chi^2/\text{NDF}$ : 1254.3/17

reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -63.125+/-1.563  $\chi^2/\text{NDF}$ : 66.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 64.413+/-1.574  $\chi^2/\text{NDF}$ : 136.2/17

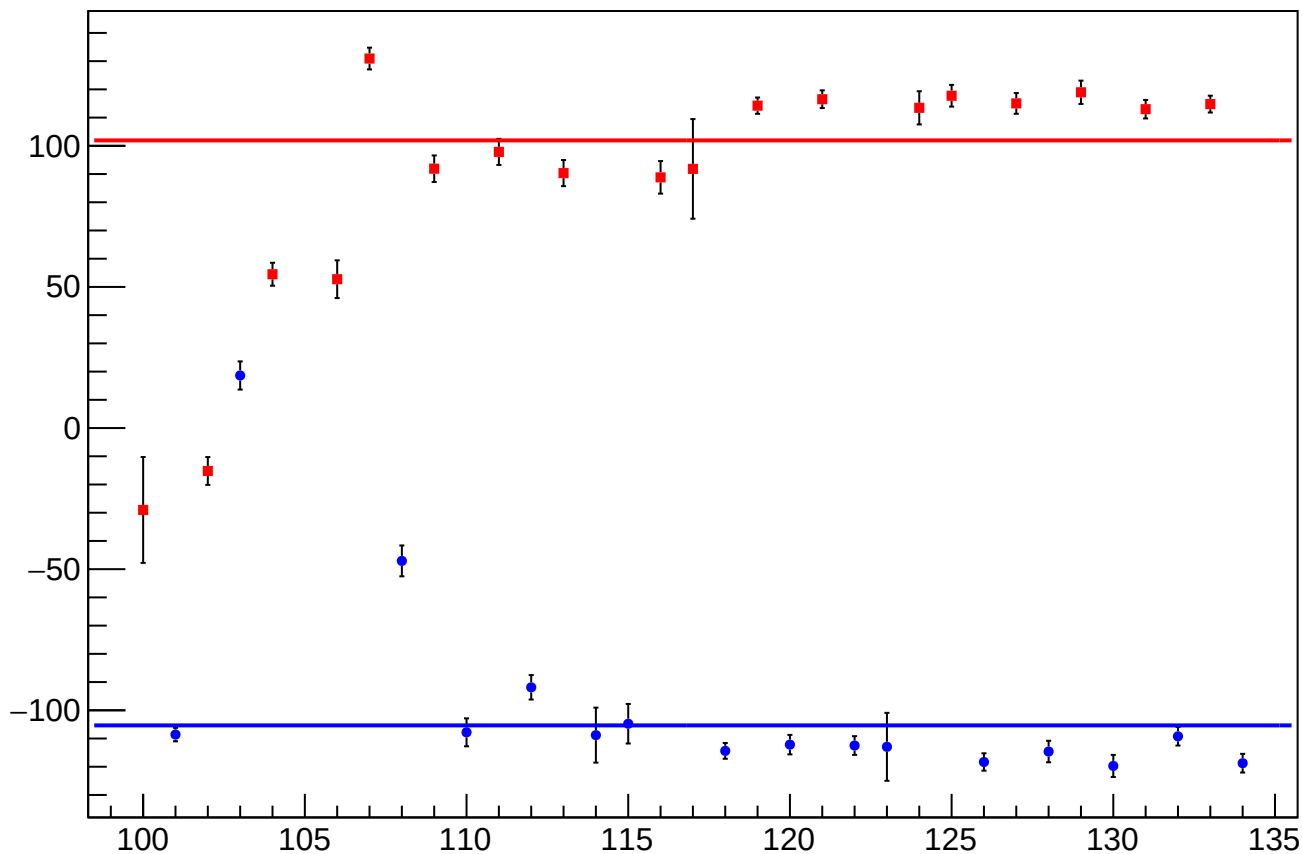
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-63.125+/-1.563  $\chi^2/\text{NDF}$ : 66.4/15

0.188+/-1.109  $\chi^2/\text{NDF}$ : 3506.9/33

64.413+/-1.574  $\chi^2/\text{NDF}$ : 136.2/17

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -105.356+/-0.950  $\chi^2/\text{NDF}$ : 816.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 101.921+/-0.989  $\chi^2/\text{NDF}$ : 995.9/17

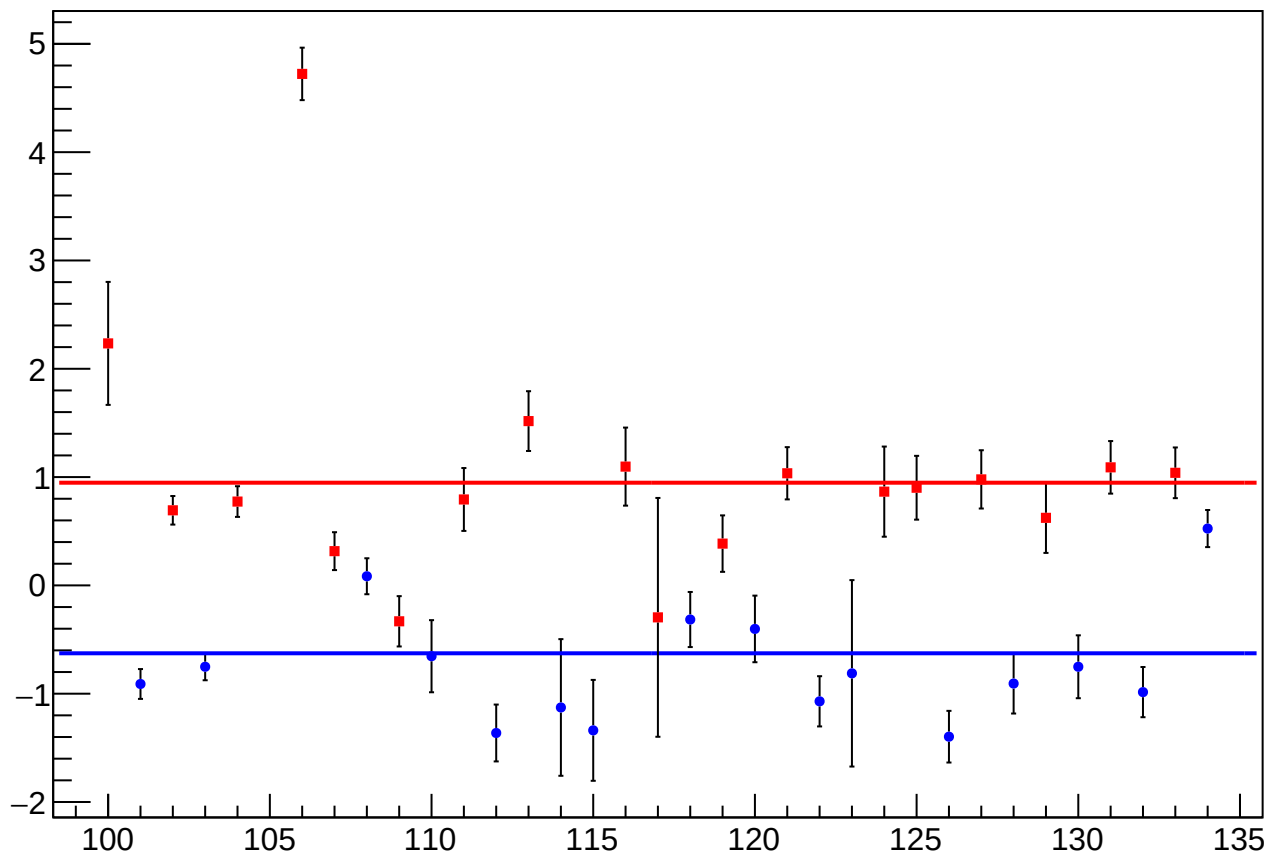
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-105.356+/-0.950  $\chi^2/\text{NDF}$ : 816.4/15

-5.864+/-0.685  $\chi^2/\text{NDF}$ : 24648.1/33

101.921+/-0.989  $\chi^2/\text{NDF}$ : 995.9/17

reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.627+/-0.055  $\chi^2/\text{NDF}$ : 99.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.948+/-0.056  $\chi^2/\text{NDF}$ : 309.0/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

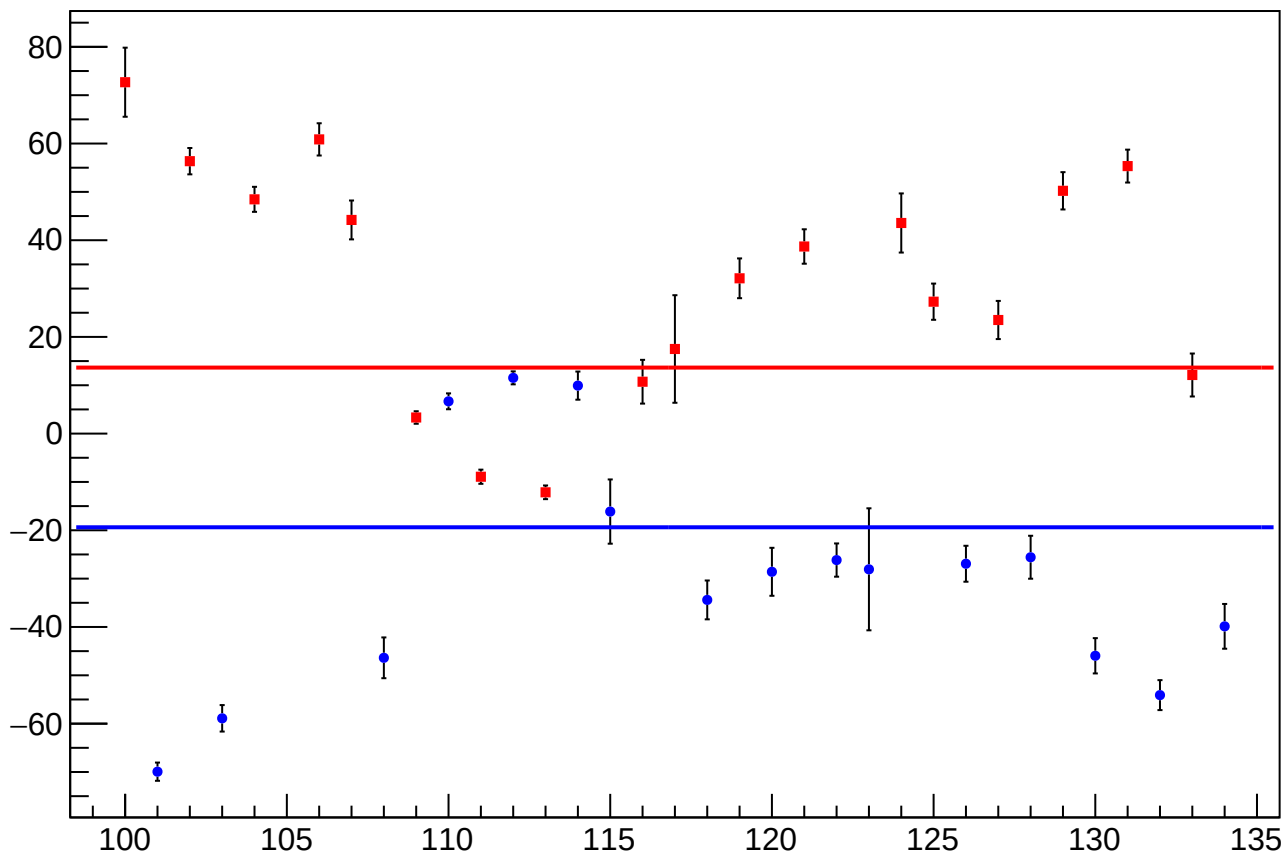
-0.627+/-0.055  $\chi^2/\text{NDF}$ : 99.4/15

0.154+/-0.039  $\chi^2/\text{NDF}$ : 808.6/33

0.948+/-0.056  $\chi^2/\text{NDF}$ : 309.0/17



reg\_asym\_sam\_48\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-19.378 \pm 0.693$   $\chi^2/\text{NDF}$ : 2078.2/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $13.655 \pm 0.623$   $\chi^2/\text{NDF}$ : 1739.8/17

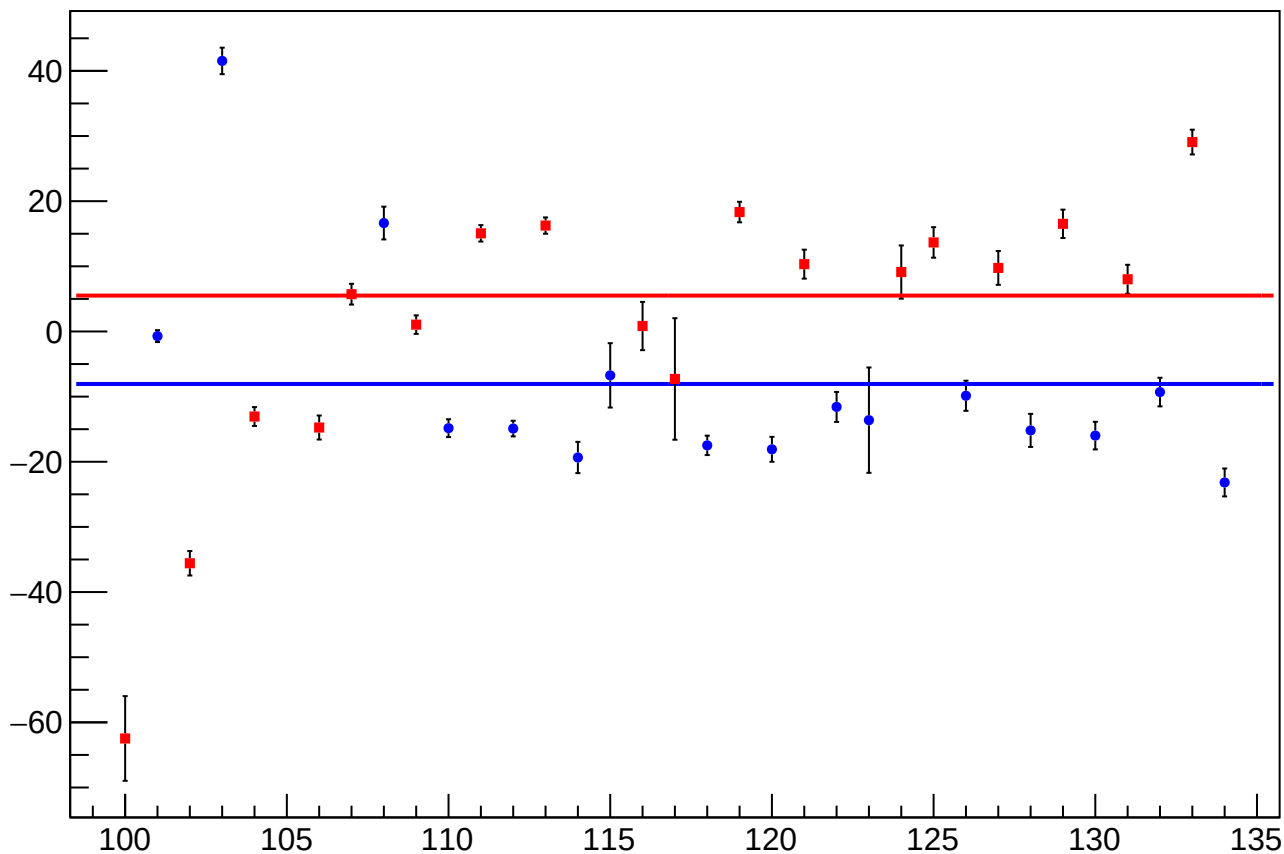
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-19.378 \pm 0.693$   $\chi^2/\text{NDF}$ : 2078.2/15

$-1.094 \pm 0.463$   $\chi^2/\text{NDF}$ : 5074.3/33

$13.655 \pm 0.623$   $\chi^2/\text{NDF}$ : 1739.8/17

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-8.059 \pm 0.449$   $\chi^2/\text{NDF}$ : 979.5/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $5.512 \pm 0.447$   $\chi^2/\text{NDF}$ : 1283.8/17

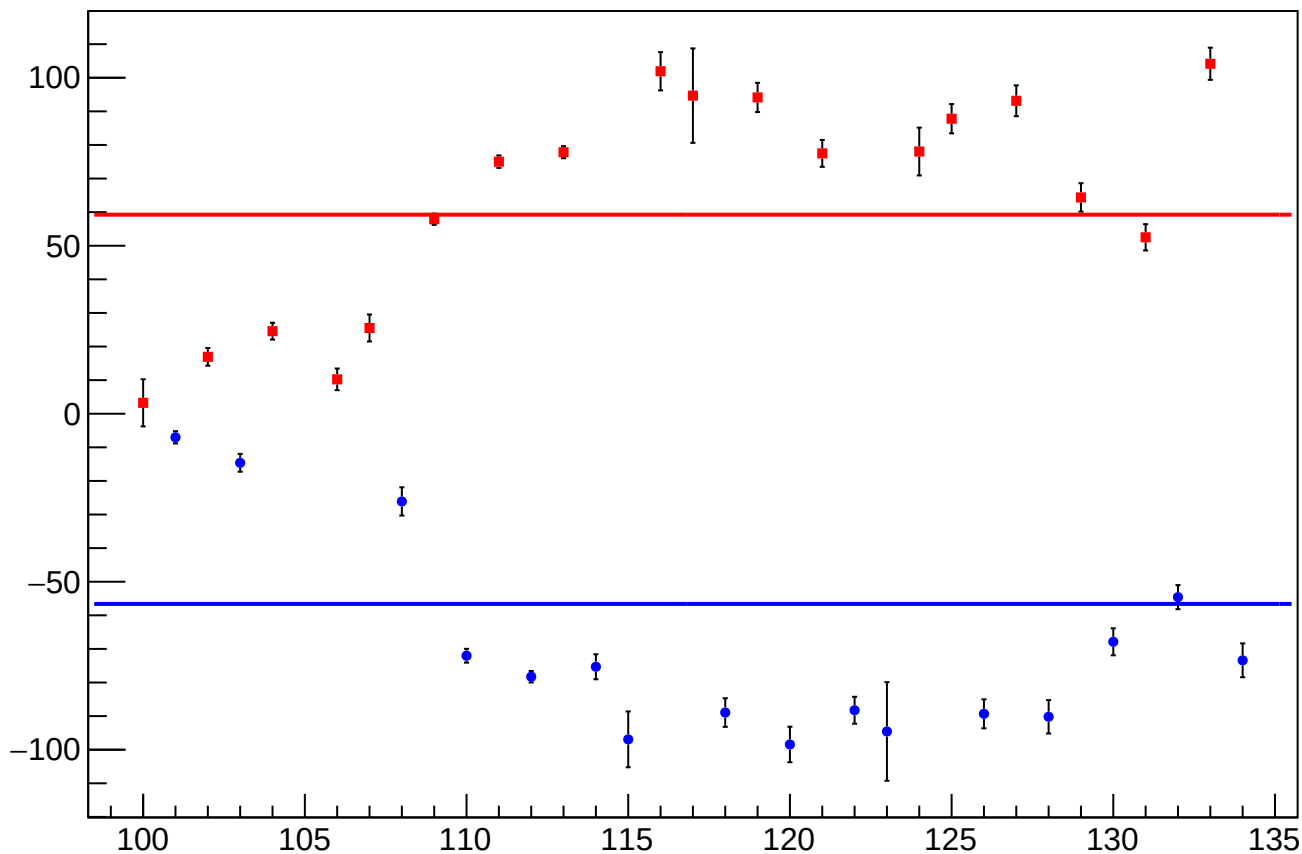
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-8.059 \pm 0.449$   $\chi^2/\text{NDF}$ : 979.5/15

$-1.251 \pm 0.317$   $\chi^2/\text{NDF}$ : 2722.5/33

$5.512 \pm 0.447$   $\chi^2/\text{NDF}$ : 1283.8/17

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -56.609 $\pm$ 0.791  $\chi^2$ /NDF: 1626.7/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 59.252 $\pm$ 0.732  $\chi^2$ /NDF: 1340.3/17

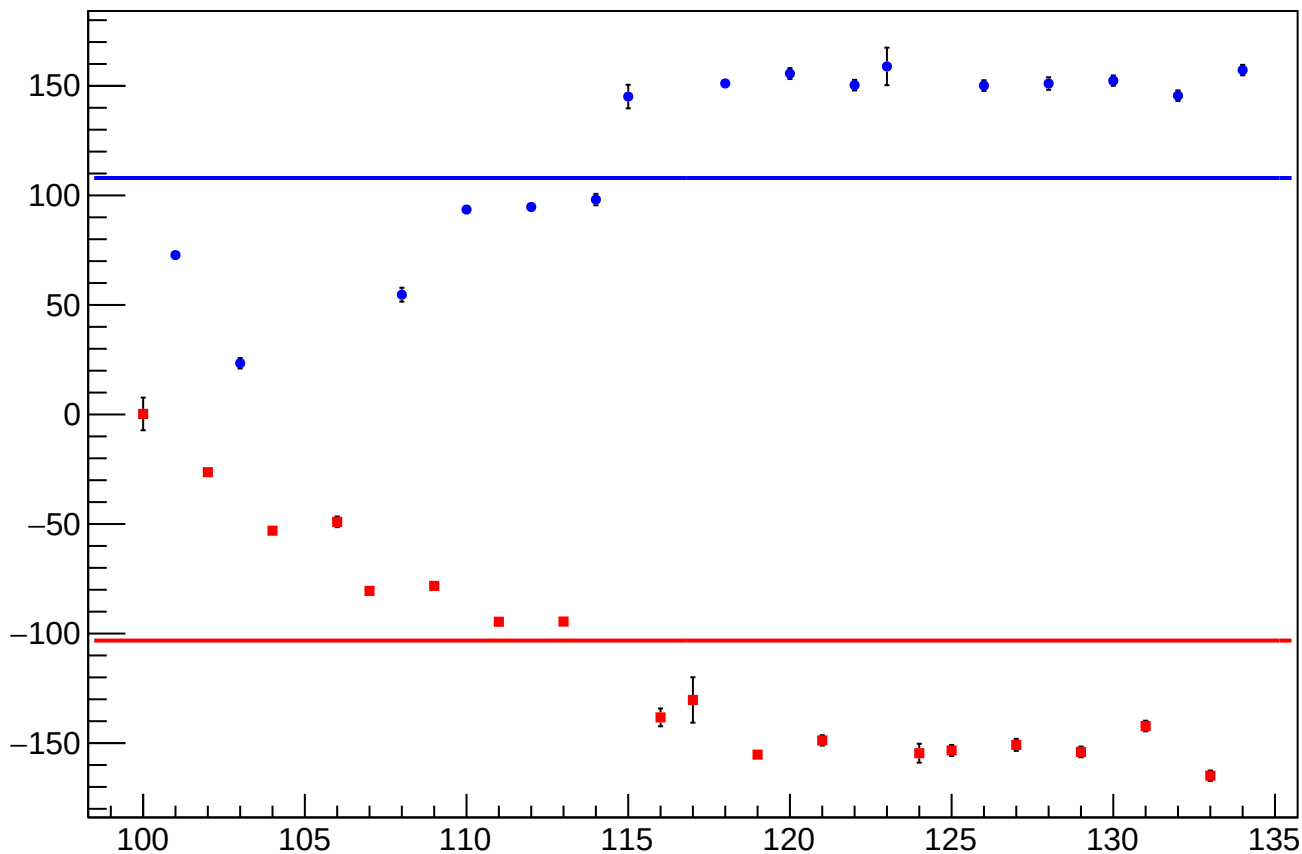
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-56.609 $\pm$ 0.791  $\chi^2$ /NDF: 1626.7/15

5.813 $\pm$ 0.537  $\chi^2$ /NDF: 14528.3/33

59.252 $\pm$ 0.732  $\chi^2$ /NDF: 1340.3/17

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 107.955 $\pm$ 0.518  $\chi^2$ /NDF: 5543.5/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -103.198 $\pm$ 0.513  $\chi^2$ /NDF: 6399.7/17

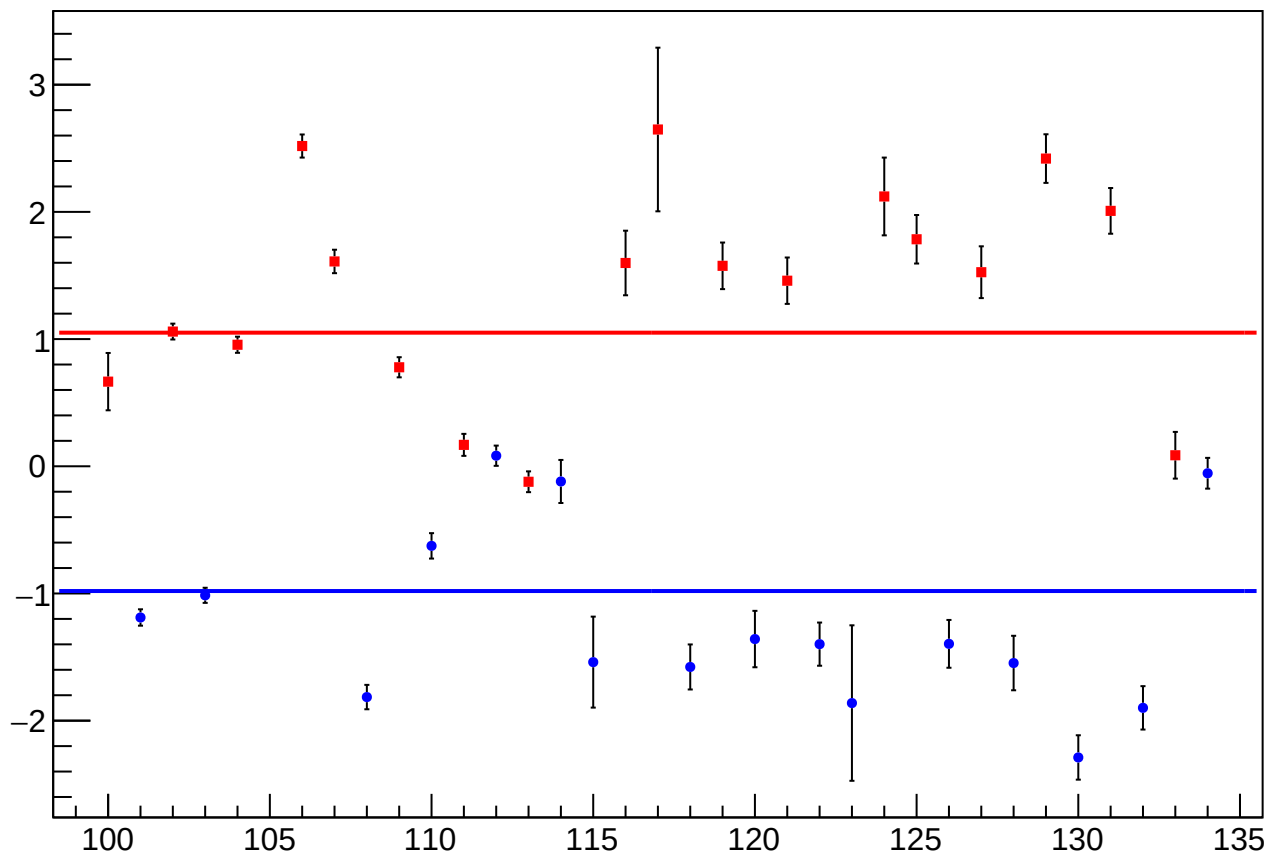
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

107.955 $\pm$ 0.518  $\chi^2$ /NDF: 5543.5/15

1.372 $\pm$ 0.365  $\chi^2$ /NDF: 95715.8/33

-103.198 $\pm$ 0.513  $\chi^2$ /NDF: 6399.7/17

reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.981+/-0.029  $\chi^2/\text{NDF}$ : 484.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.050+/-0.026  $\chi^2/\text{NDF}$ : 788.4/17

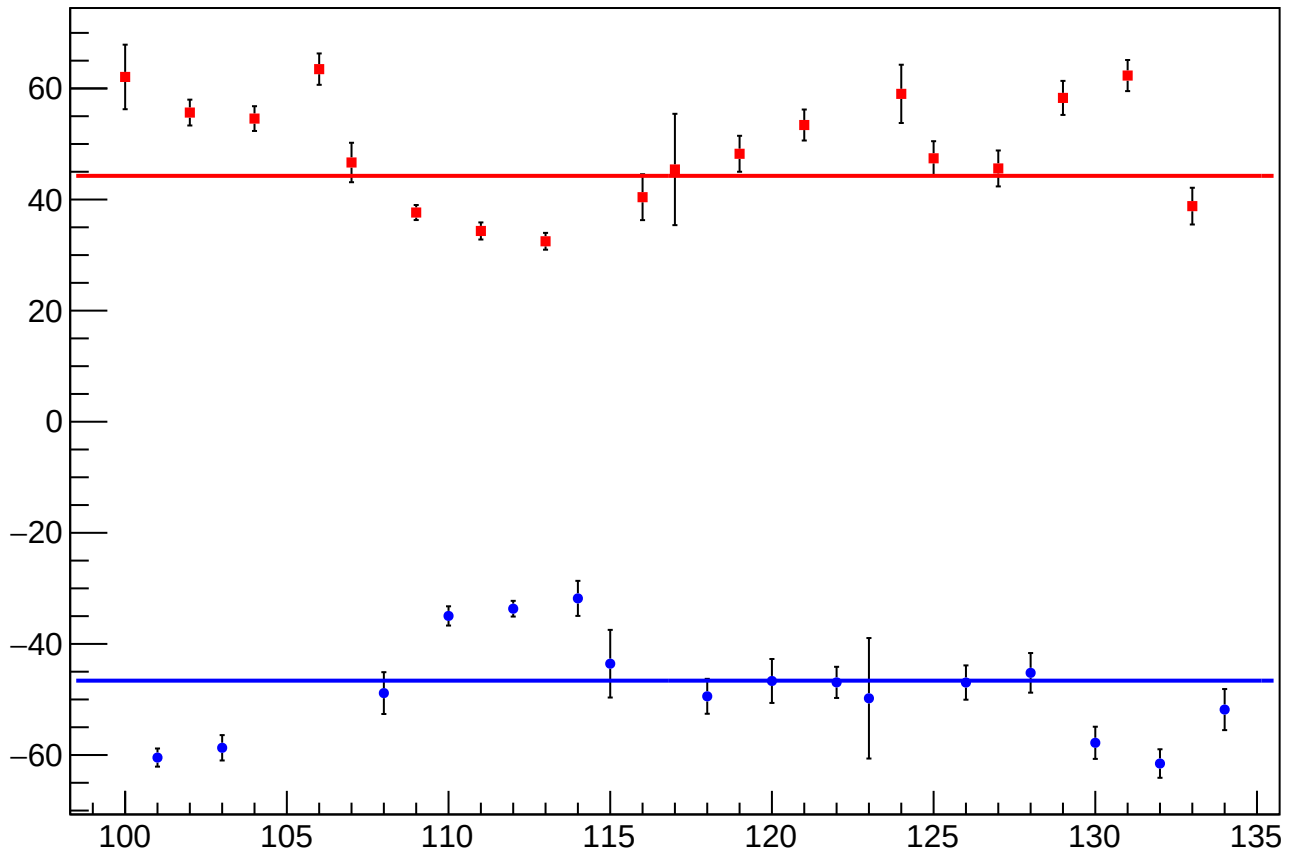
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.981+/-0.029  $\chi^2/\text{NDF}$ : 484.1/15

0.122+/-0.019  $\chi^2/\text{NDF}$ : 3980.5/33

1.050+/-0.026  $\chi^2/\text{NDF}$ : 788.4/17

reg\_asym\_sam\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -46.613 $\pm$ 0.642  $\chi^2$ /NDF: 303.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 44.263 $\pm$ 0.589  $\chi^2$ /NDF: 315.1/17

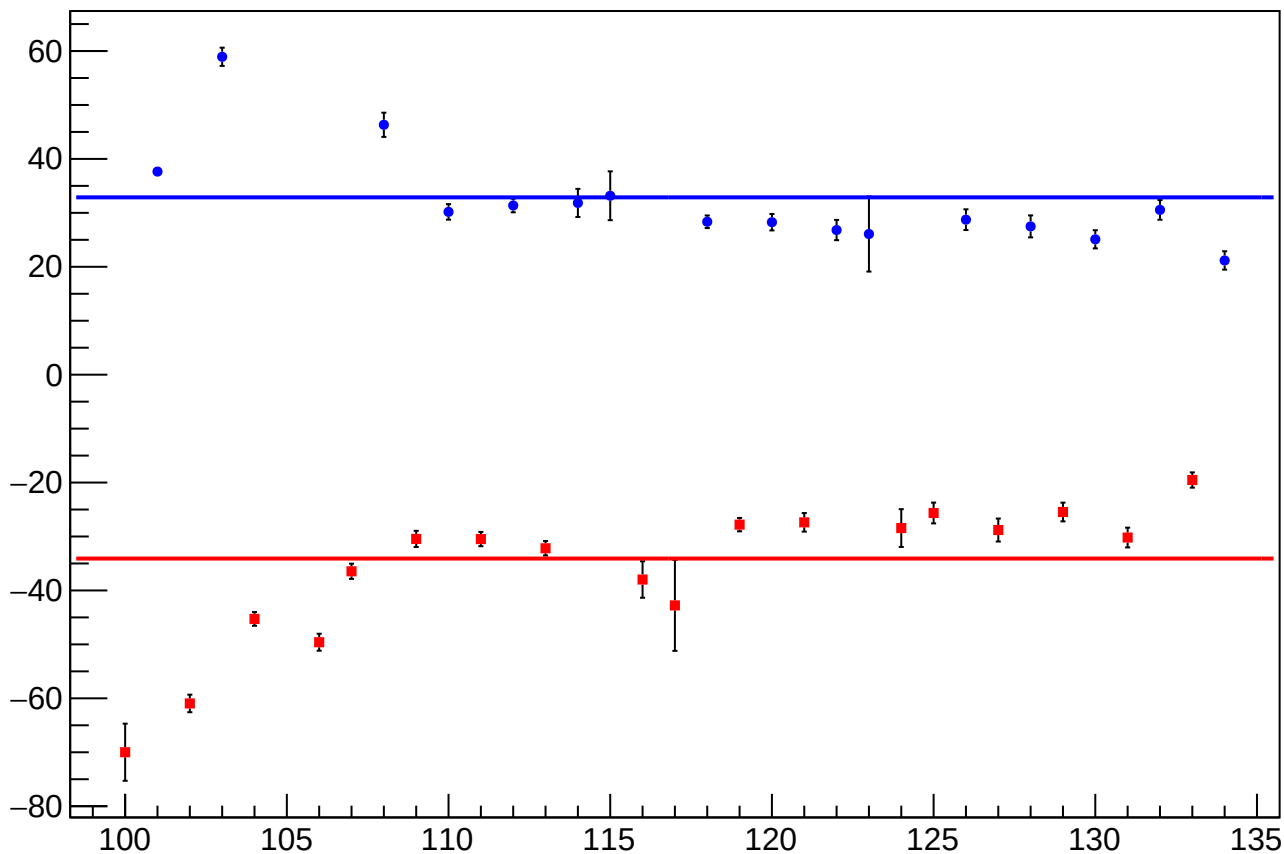
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-46.613 $\pm$ 0.642  $\chi^2$ /NDF: 303.2/15

2.734 $\pm$ 0.434  $\chi^2$ /NDF: 11492.5/33

44.263 $\pm$ 0.589  $\chi^2$ /NDF: 315.1/17

reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 32.874+/-0.395  $\chi^2/\text{NDF}$ : 432.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -34.089+/-0.398  $\chi^2/\text{NDF}$ : 718.3/17

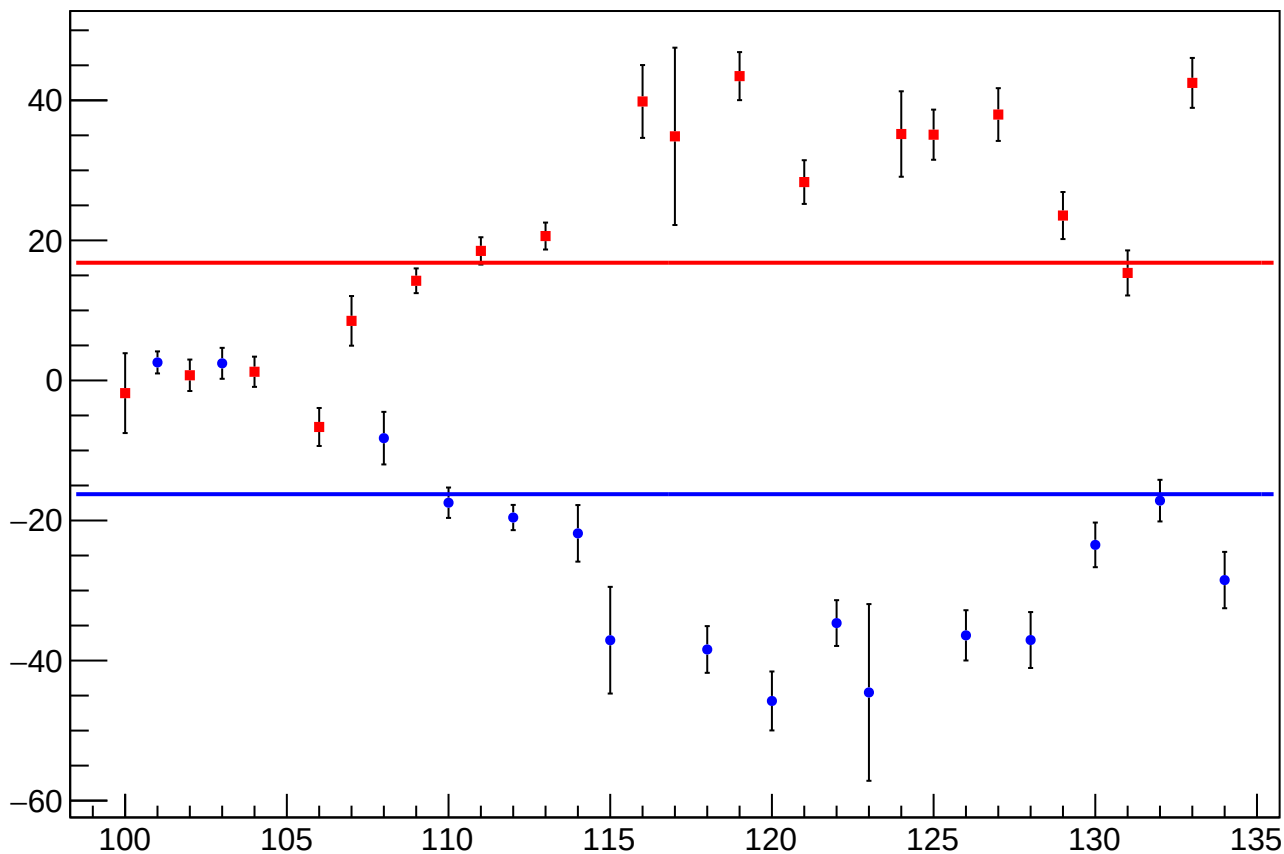
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

32.874+/-0.395  $\chi^2/\text{NDF}$ : 432.3/15

-0.275+/-0.280  $\chi^2/\text{NDF}$ : 15410.6/33

-34.089+/-0.398  $\chi^2/\text{NDF}$ : 718.3/17

reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -16.242 $\pm$ 0.718  $\chi^2$ /NDF: 435.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 16.810 $\pm$ 0.677  $\chi^2$ /NDF: 419.4/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

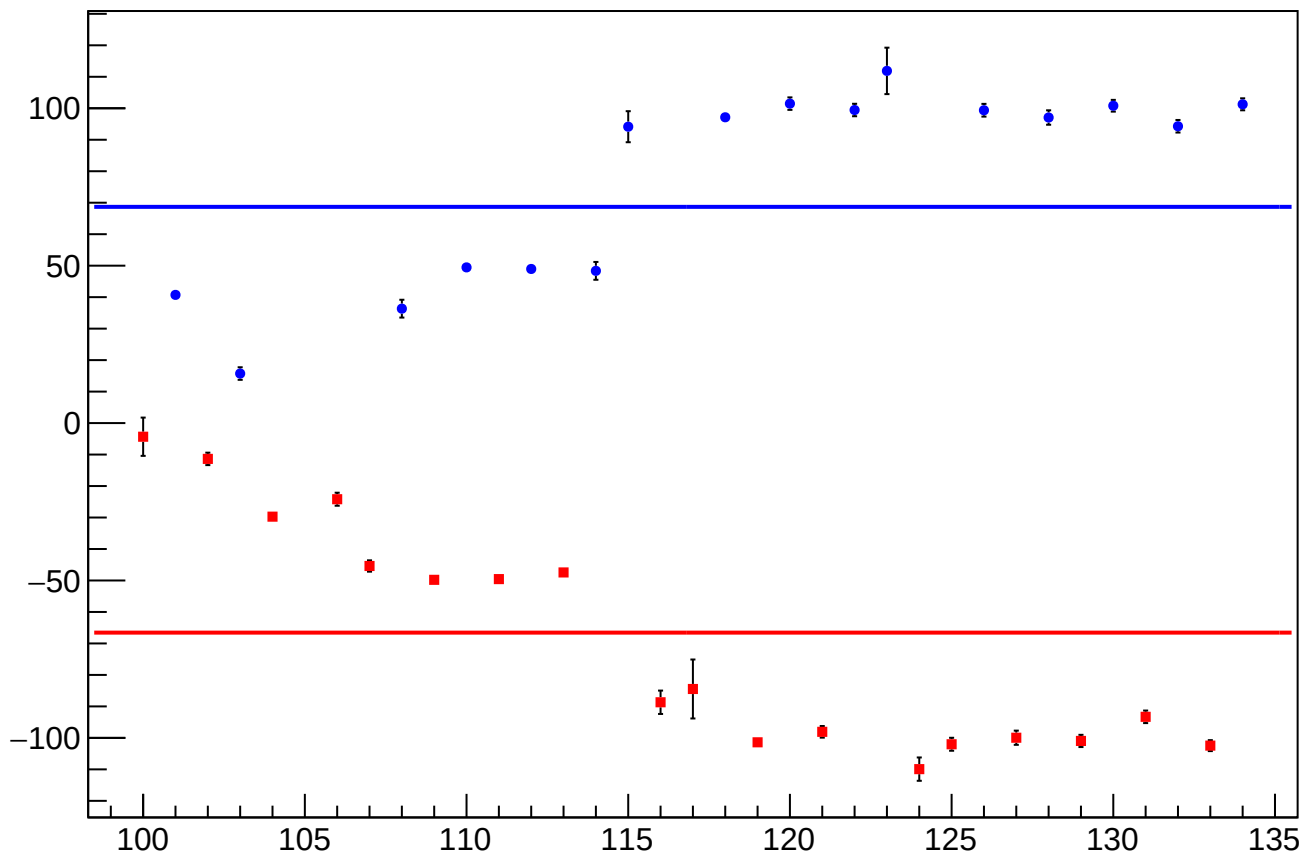
-16.242 $\pm$ 0.718  $\chi^2$ /NDF: 435.6/15

1.266 $\pm$ 0.493  $\chi^2$ /NDF: 1976.6/33

16.810 $\pm$ 0.677  $\chi^2$ /NDF: 419.4/17



reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 68.683+/-0.459  $\chi^2$ /NDF: 4139.5/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -66.562+/-0.462  $\chi^2$ /NDF: 4777.3/17

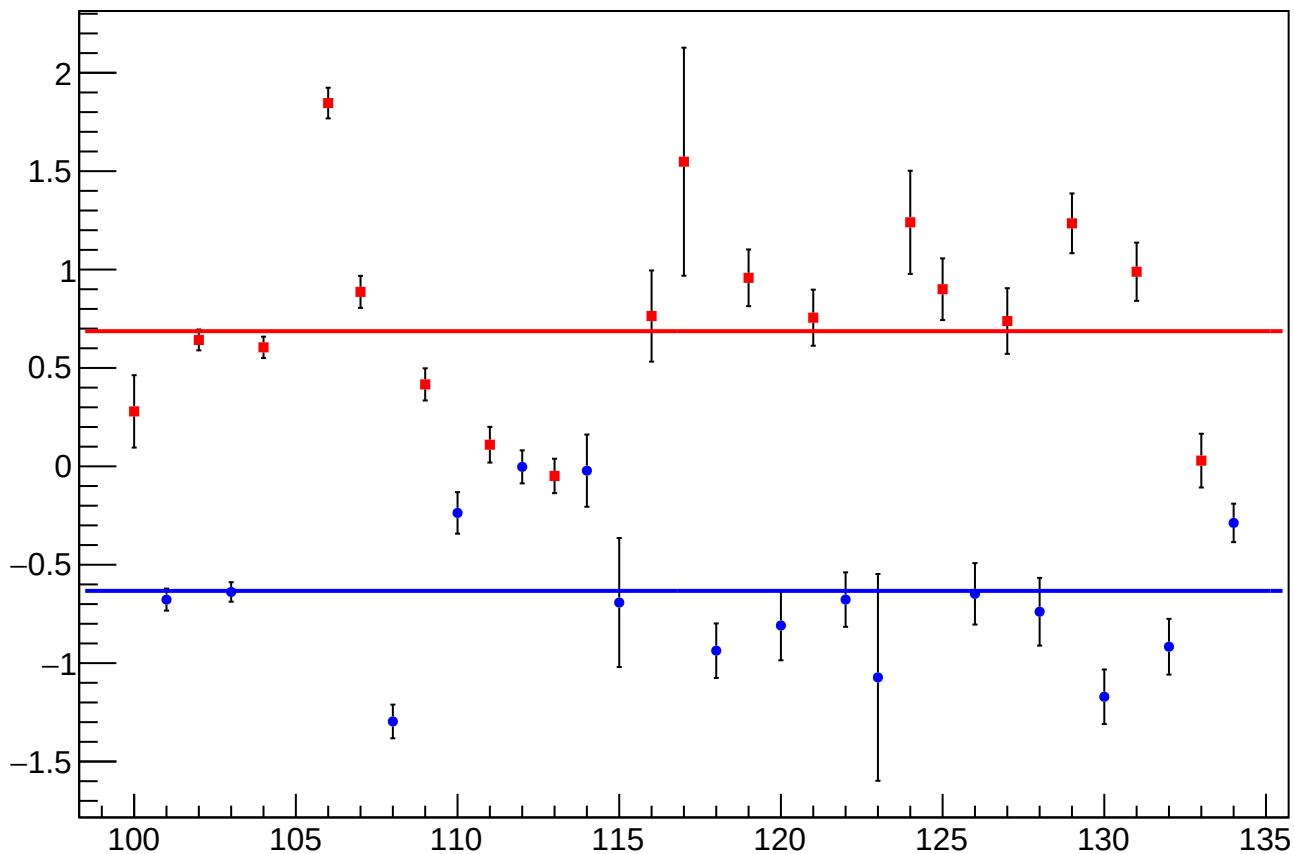
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

68.683+/-0.459  $\chi^2$ /NDF: 4139.5/15

1.444+/-0.325  $\chi^2$ /NDF: 52085.8/33

-66.562+/-0.462  $\chi^2$ /NDF: 4777.3/17

reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.633 \pm 0.025$   $\chi^2/\text{NDF}: 180.9/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.687 \pm 0.024$   $\chi^2/\text{NDF}: 410.3/17$

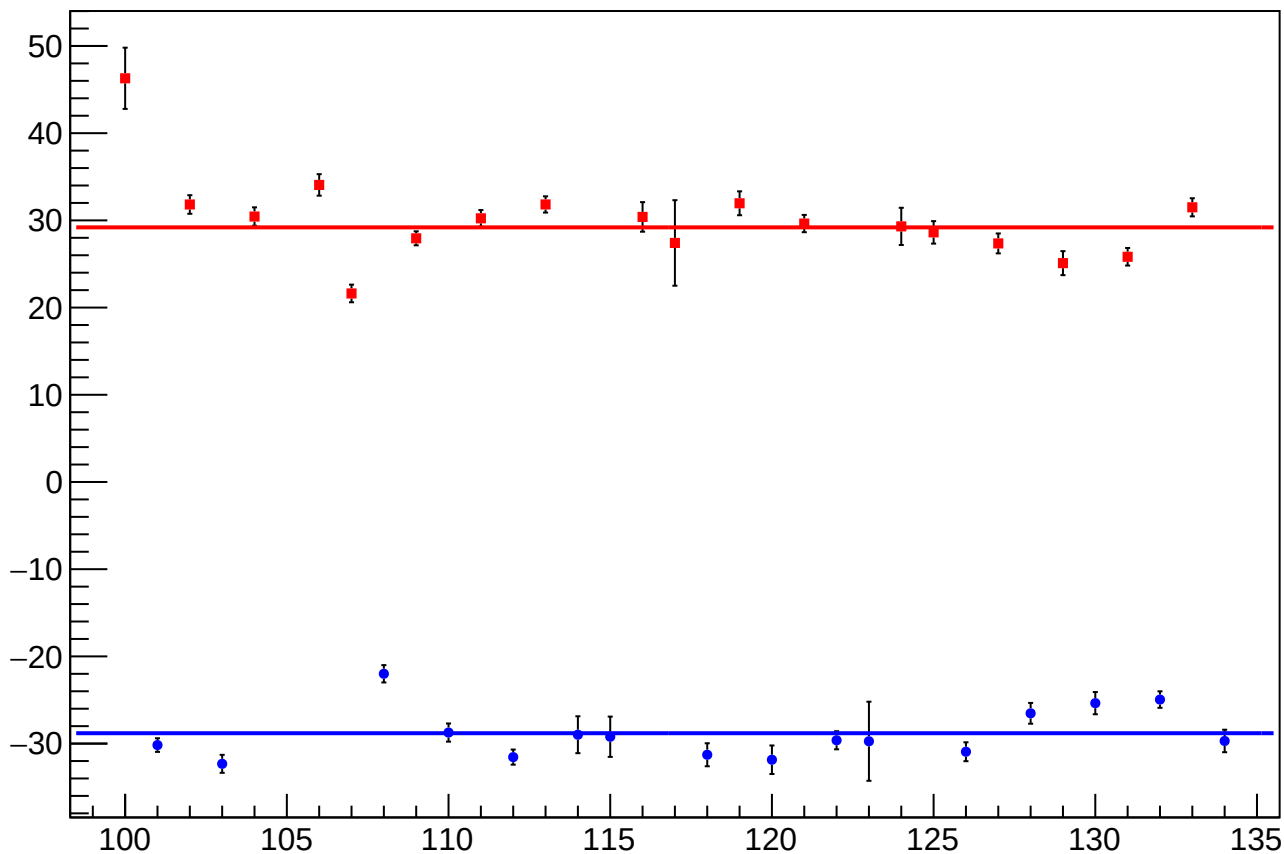
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-0.633 \pm 0.025$   $\chi^2/\text{NDF}: 180.9/15$

$0.074 \pm 0.017$   $\chi^2/\text{NDF}: 2042.3/33$

$0.687 \pm 0.024$   $\chi^2/\text{NDF}: 410.3/17$

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -28.809±/-0.288  $\chi^2$ /NDF: 111.2/15

Left Out: 0.000±/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 29.199±/-0.275  $\chi^2$ /NDF: 147.1/17

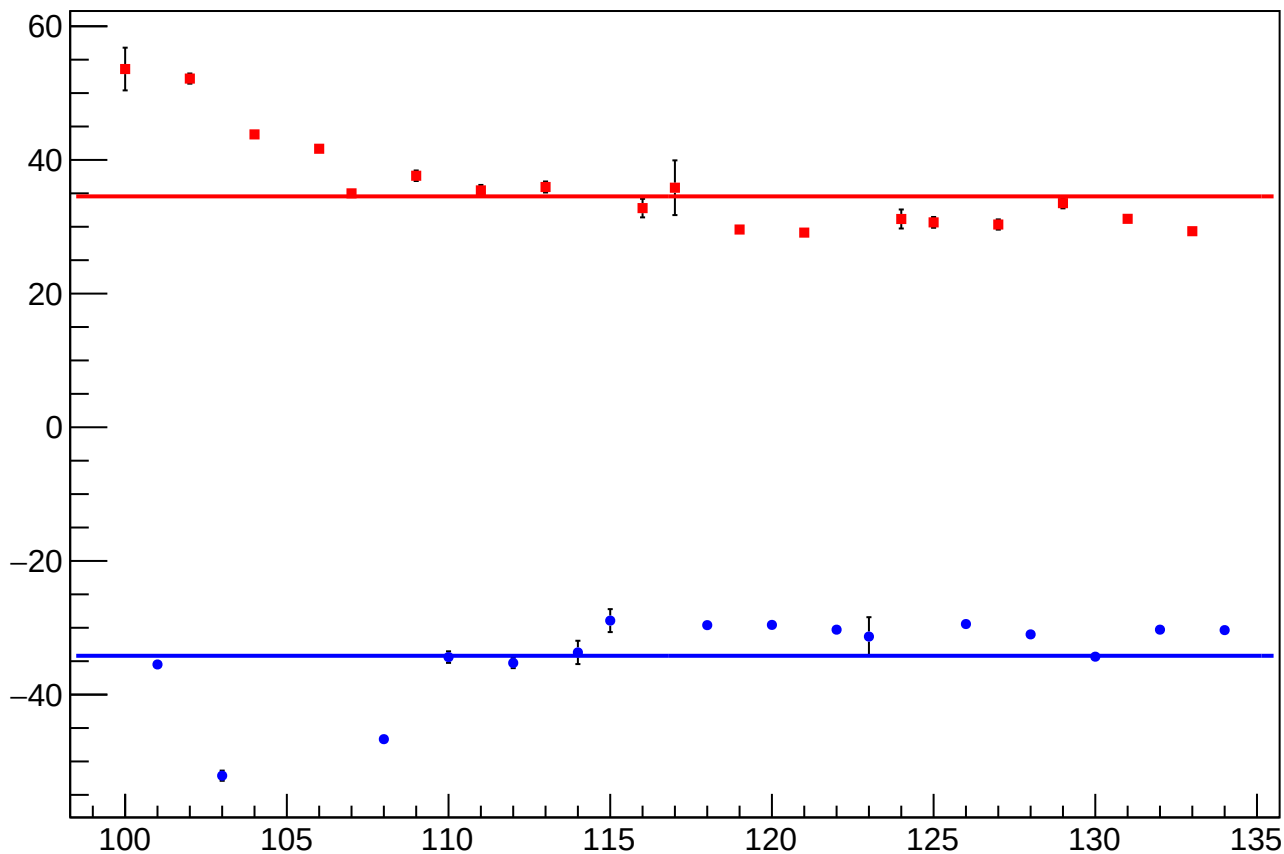
Left In: 0.000±/-0.000  $\chi^2$ /NDF: 0.0/0

-28.809±/-0.288  $\chi^2$ /NDF: 111.2/15

1.568±/-0.199  $\chi^2$ /NDF: 21529.9/33

29.199±/-0.275  $\chi^2$ /NDF: 147.1/17

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-34.191 \pm 0.169$   $\chi^2/\text{NDF}$ : 1336.9/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $34.546 \pm 0.165$   $\chi^2/\text{NDF}$ : 1333.1/17

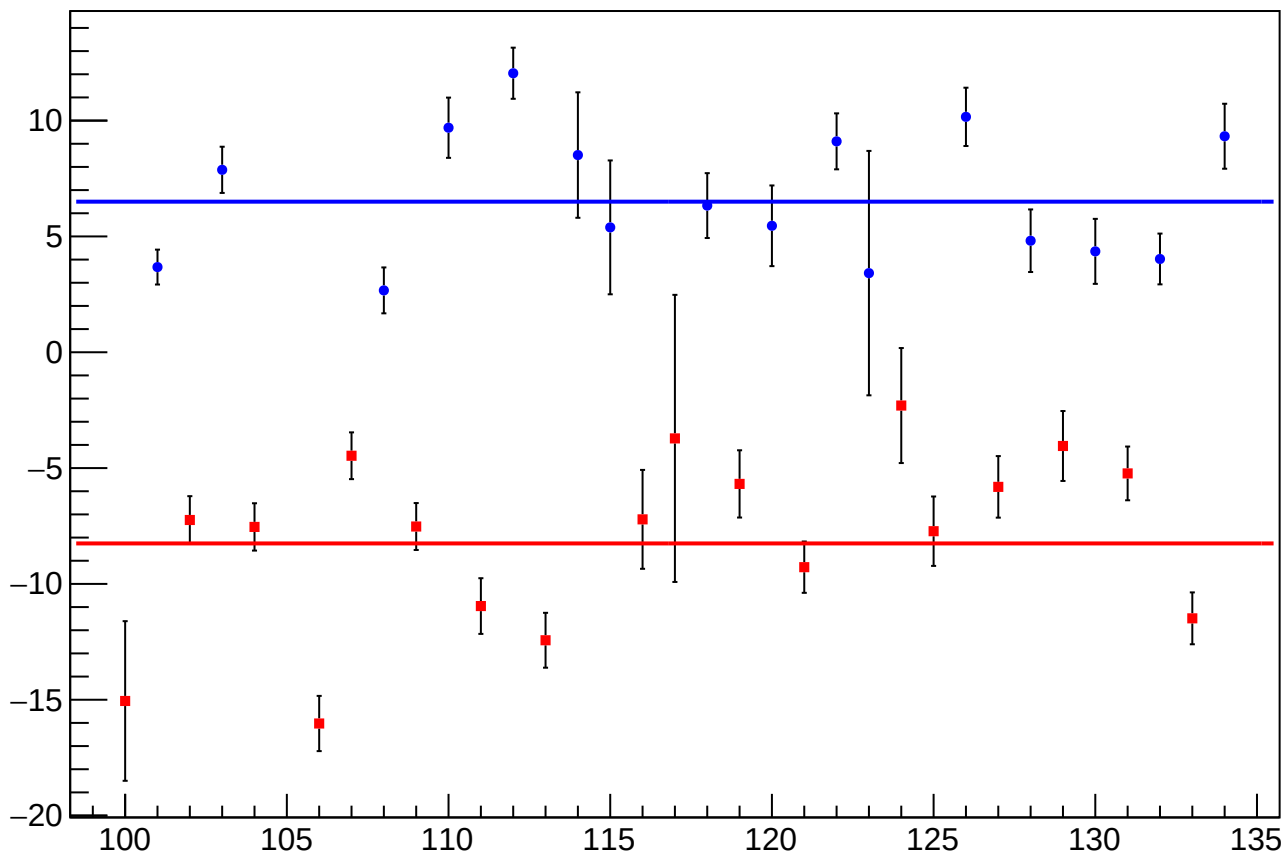
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-34.191 \pm 0.169$   $\chi^2/\text{NDF}$ : 1336.9/15

$1.010 \pm 0.118$   $\chi^2/\text{NDF}$ : 87468.8/33

$34.546 \pm 0.165$   $\chi^2/\text{NDF}$ : 1333.1/17

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.500 $\pm$ 0.316  $\chi^2$ /NDF: 89.7/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -8.253 $\pm$ 0.305  $\chi^2$ /NDF: 116.9/17

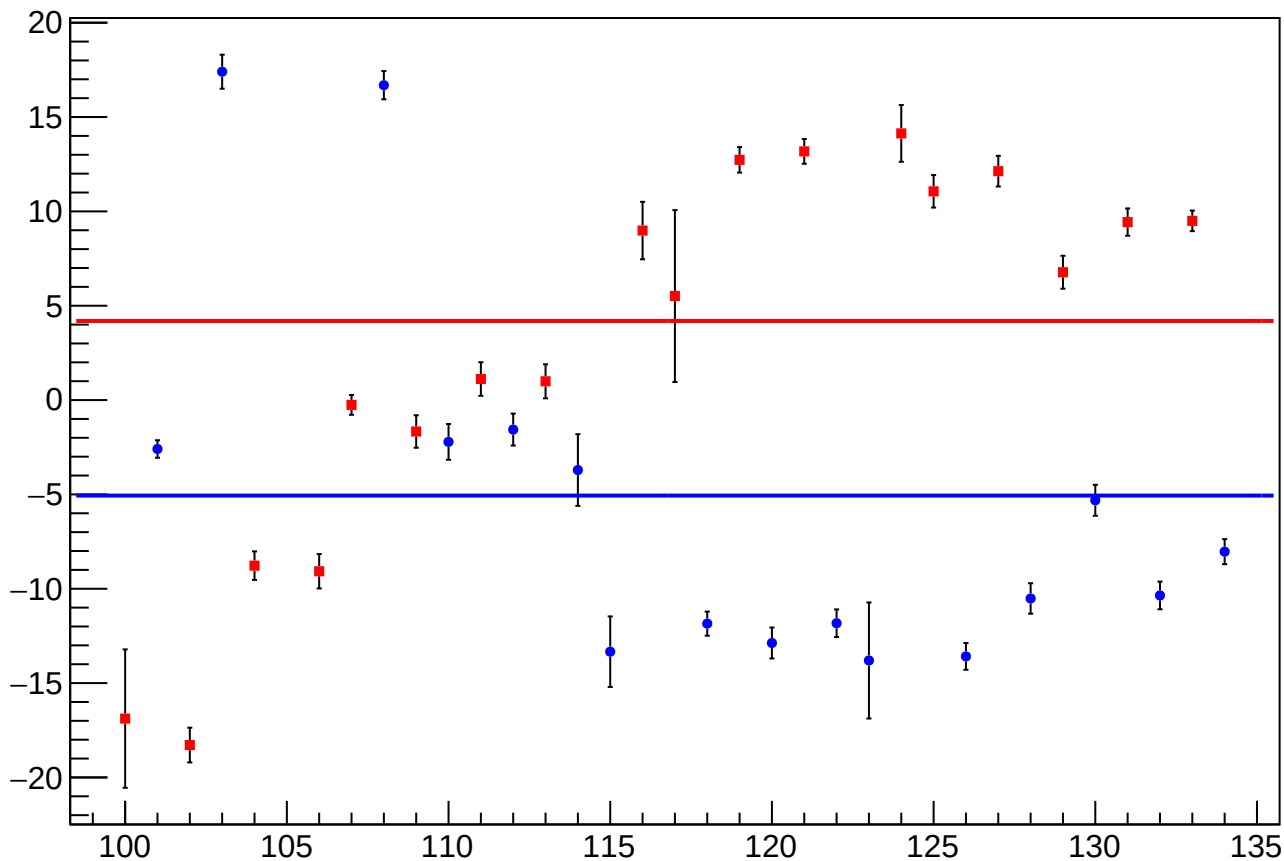
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

6.500 $\pm$ 0.316  $\chi^2$ /NDF: 89.7/15

-1.123 $\pm$ 0.219  $\chi^2$ /NDF: 1336.5/33

-8.253 $\pm$ 0.305  $\chi^2$ /NDF: 116.9/17

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -5.061+/-0.197  $\chi^2$ /NDF: 2101.0/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.192+/-0.194  $\chi^2$ /NDF: 1995.4/17

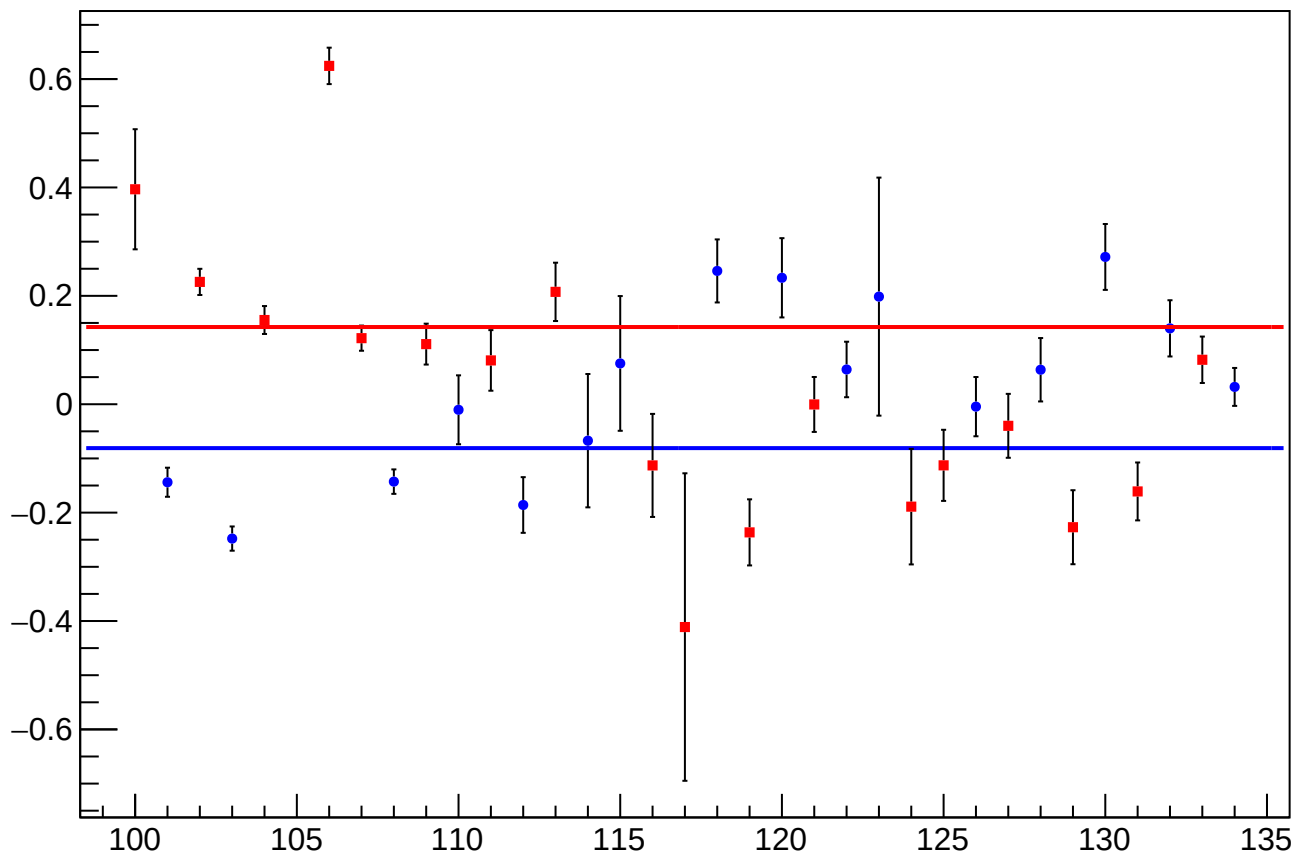
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-5.061+/-0.197  $\chi^2$ /NDF: 2101.0/15

-0.361+/-0.138  $\chi^2$ /NDF: 5216.9/33

4.192+/-0.194  $\chi^2$ /NDF: 1995.4/17

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.081 \pm 0.010$   $\chi^2/\text{NDF}$ : 205.8/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.142 \pm 0.010$   $\chi^2/\text{NDF}$ : 382.5/17

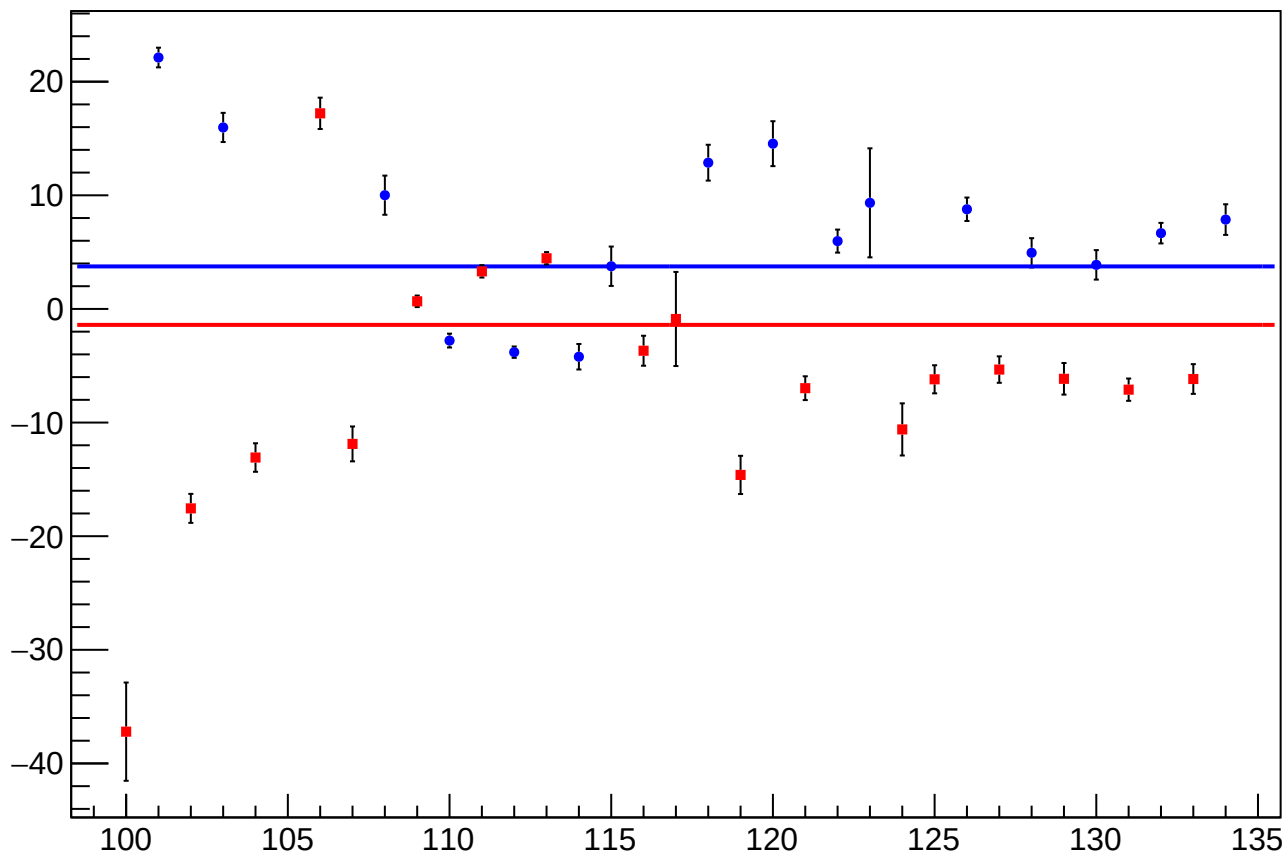
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.081 \pm 0.010$   $\chi^2/\text{NDF}$ : 205.8/15

$0.036 \pm 0.007$   $\chi^2/\text{NDF}$ : 824.8/33

$0.142 \pm 0.010$   $\chi^2/\text{NDF}$ : 382.5/17

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 3.742 $\pm$ 0.252  $\chi^2$ /NDF: 1061.3/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.403 $\pm$ 0.232  $\chi^2$ /NDF: 946.6/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

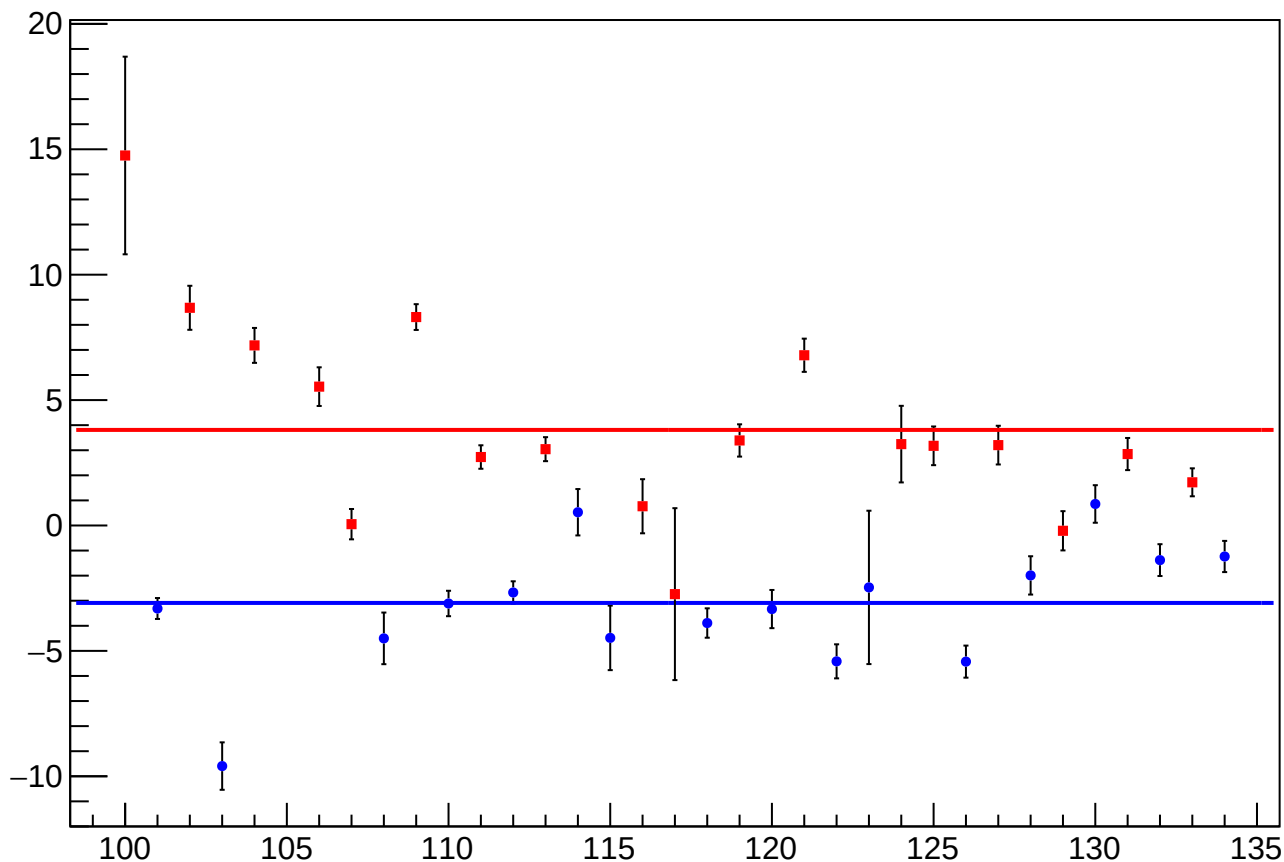
3.742 $\pm$ 0.252  $\chi^2$ /NDF: 1061.3/15

0.957 $\pm$ 0.171  $\chi^2$ /NDF: 2232.9/33

-1.403 $\pm$ 0.232  $\chi^2$ /NDF: 946.6/17



reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-3.088 \pm 0.166$   $\chi^2/\text{NDF}: 139.9/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $3.811 \pm 0.164$   $\chi^2/\text{NDF}: 266.4/17$

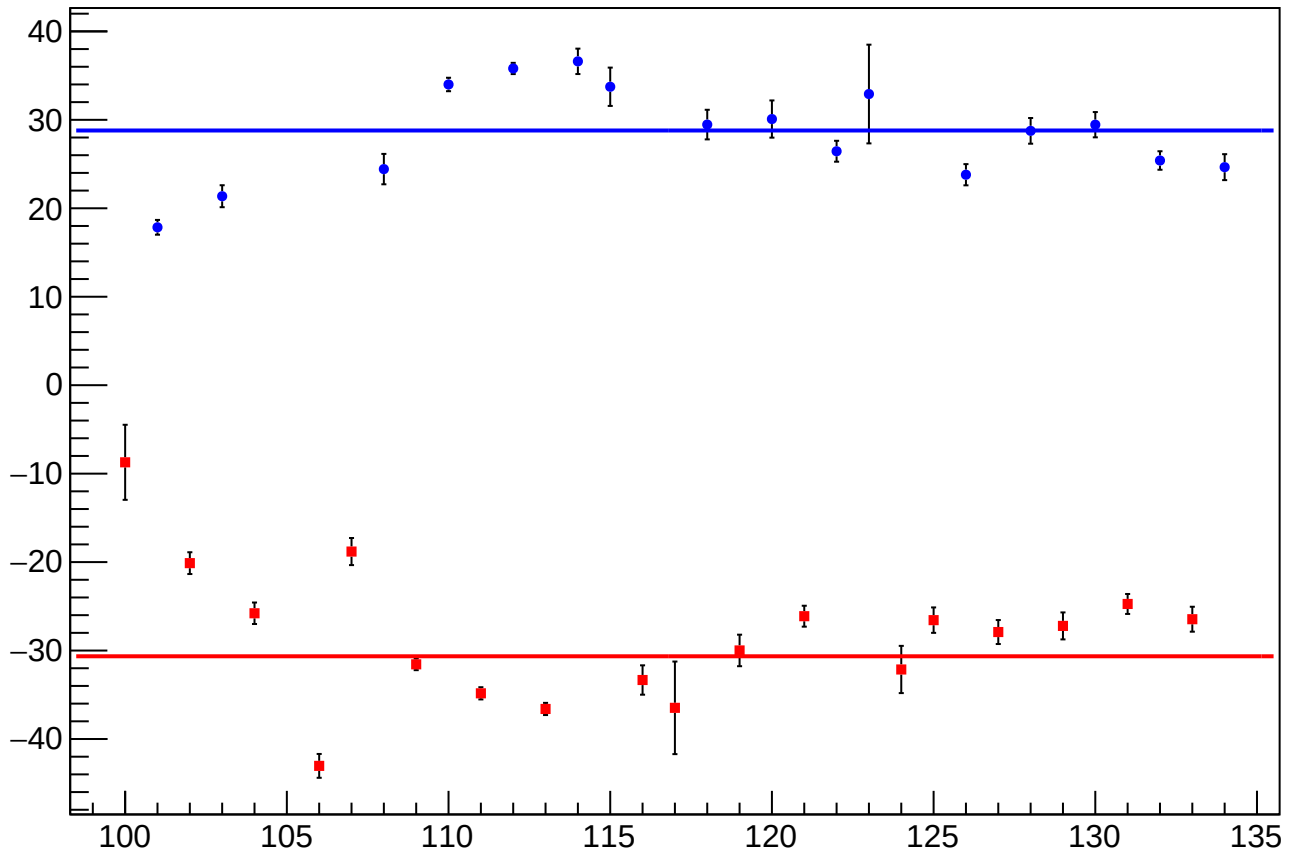
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-3.088 \pm 0.166$   $\chi^2/\text{NDF}: 139.9/15$

$0.401 \pm 0.116$   $\chi^2/\text{NDF}: 1283.1/33$

$3.811 \pm 0.164$   $\chi^2/\text{NDF}: 266.4/17$

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 28.794+/-0.292  $\chi^2$ /NDF: 458.6/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -30.648+/-0.275  $\chi^2$ /NDF: 446.1/17

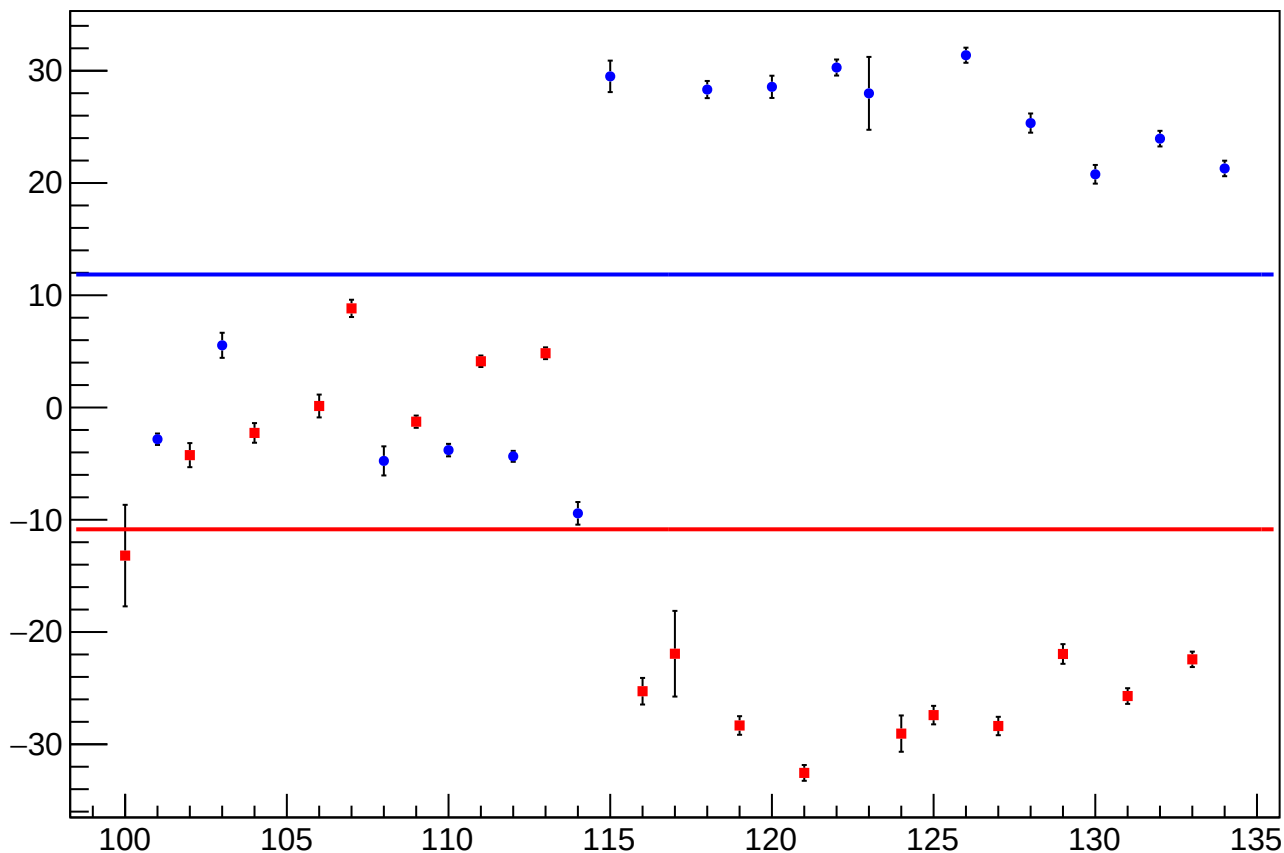
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

28.794+/-0.292  $\chi^2$ /NDF: 458.6/15

-2.713+/-0.200  $\chi^2$ /NDF: 22802.0/33

-30.648+/-0.275  $\chi^2$ /NDF: 446.1/17

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 11.850+/-0.189  $\chi^2$ /NDF: 6656.2/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -10.850+/-0.186  $\chi^2$ /NDF: 6404.0/17

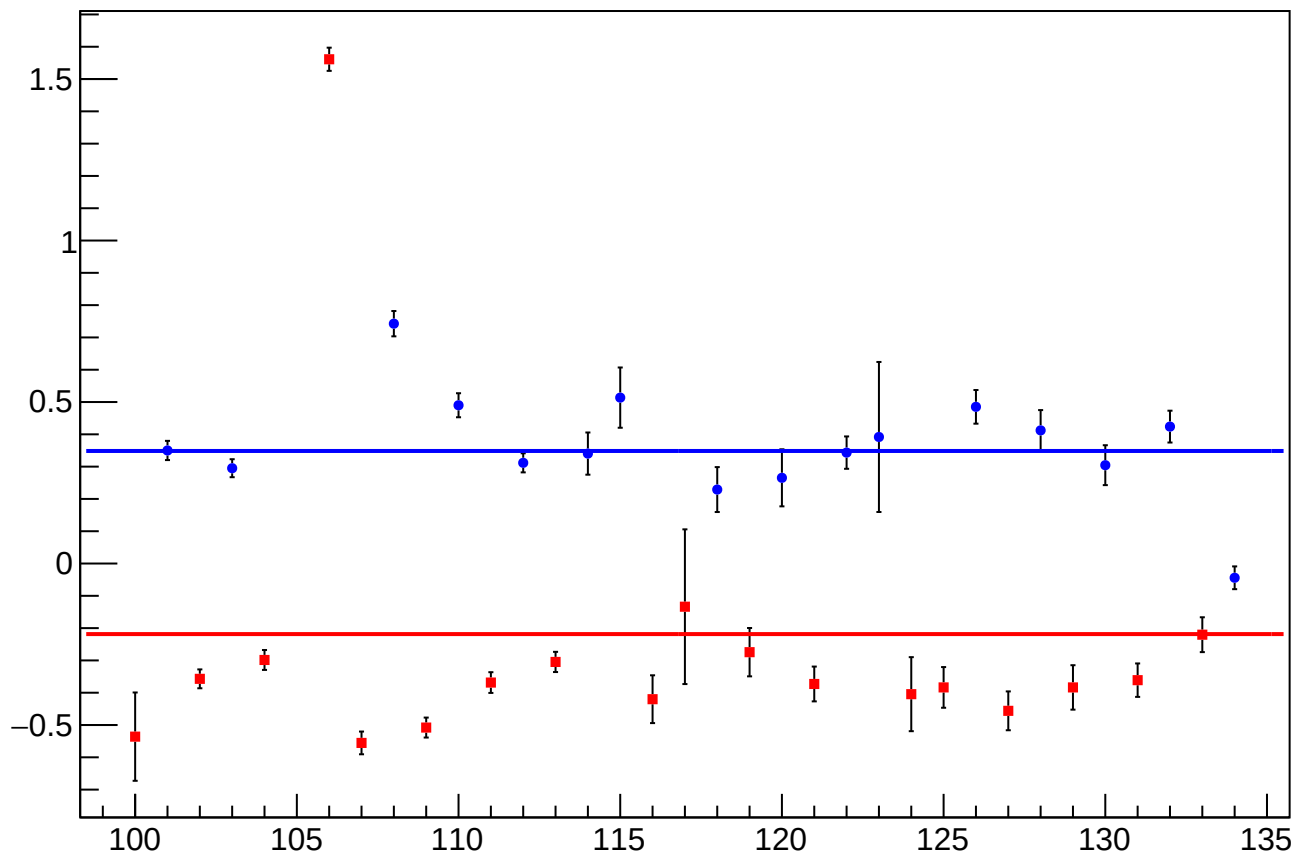
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

11.850+/-0.189  $\chi^2$ /NDF: 6656.2/15

0.370+/-0.133  $\chi^2$ /NDF: 20390.4/33

-10.850+/-0.186  $\chi^2$ /NDF: 6404.0/17

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.348 $\pm$ 0.011  $\chi^2$ /NDF: 262.7/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.218 $\pm$ 0.010  $\chi^2$ /NDF: 2757.1/17

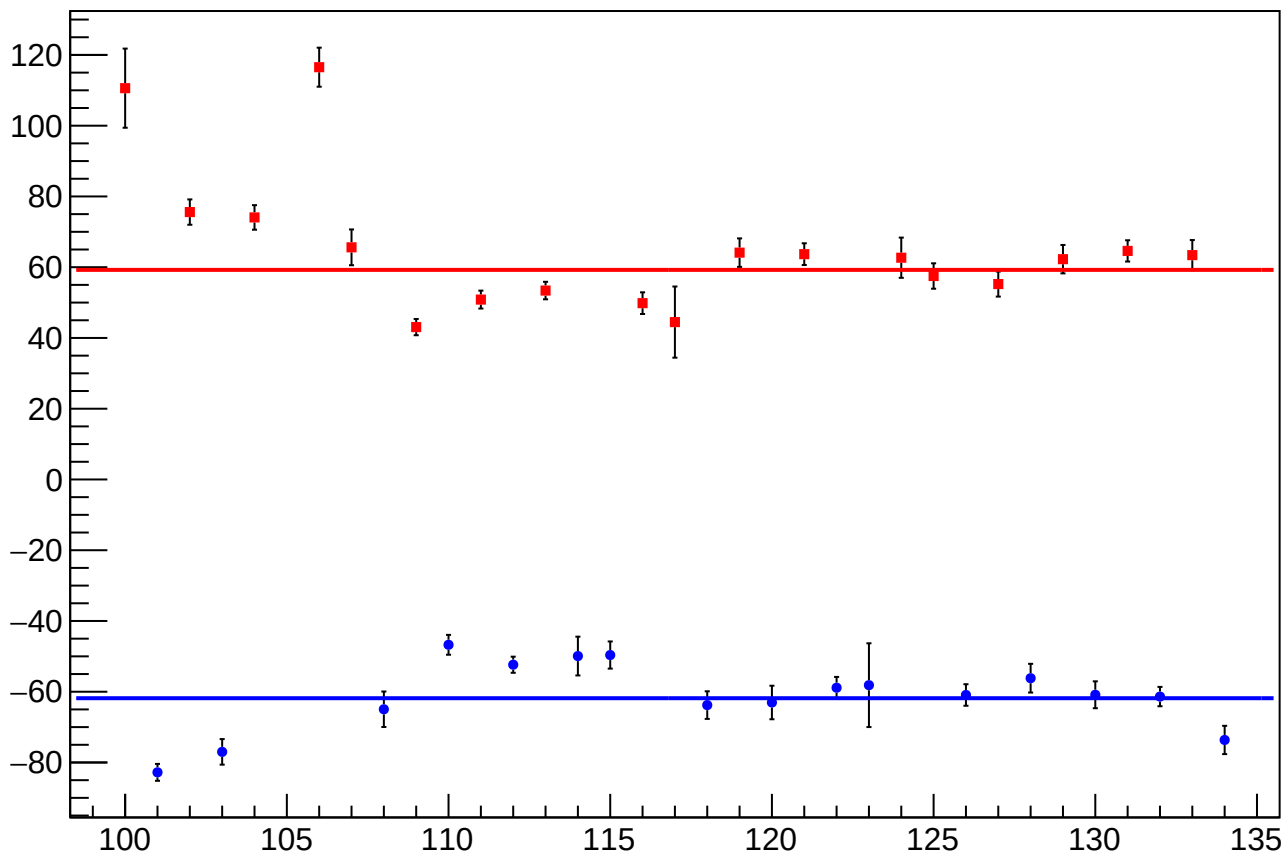
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

0.348 $\pm$ 0.011  $\chi^2$ /NDF: 262.7/15

0.048 $\pm$ 0.008  $\chi^2$ /NDF: 4405.2/33

-0.218 $\pm$ 0.010  $\chi^2$ /NDF: 2757.1/17

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-61.831 \pm 0.854$   $\chi^2/\text{NDF}$ : 168.2/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $59.242 \pm 0.831$   $\chi^2/\text{NDF}$ : 257.4/17

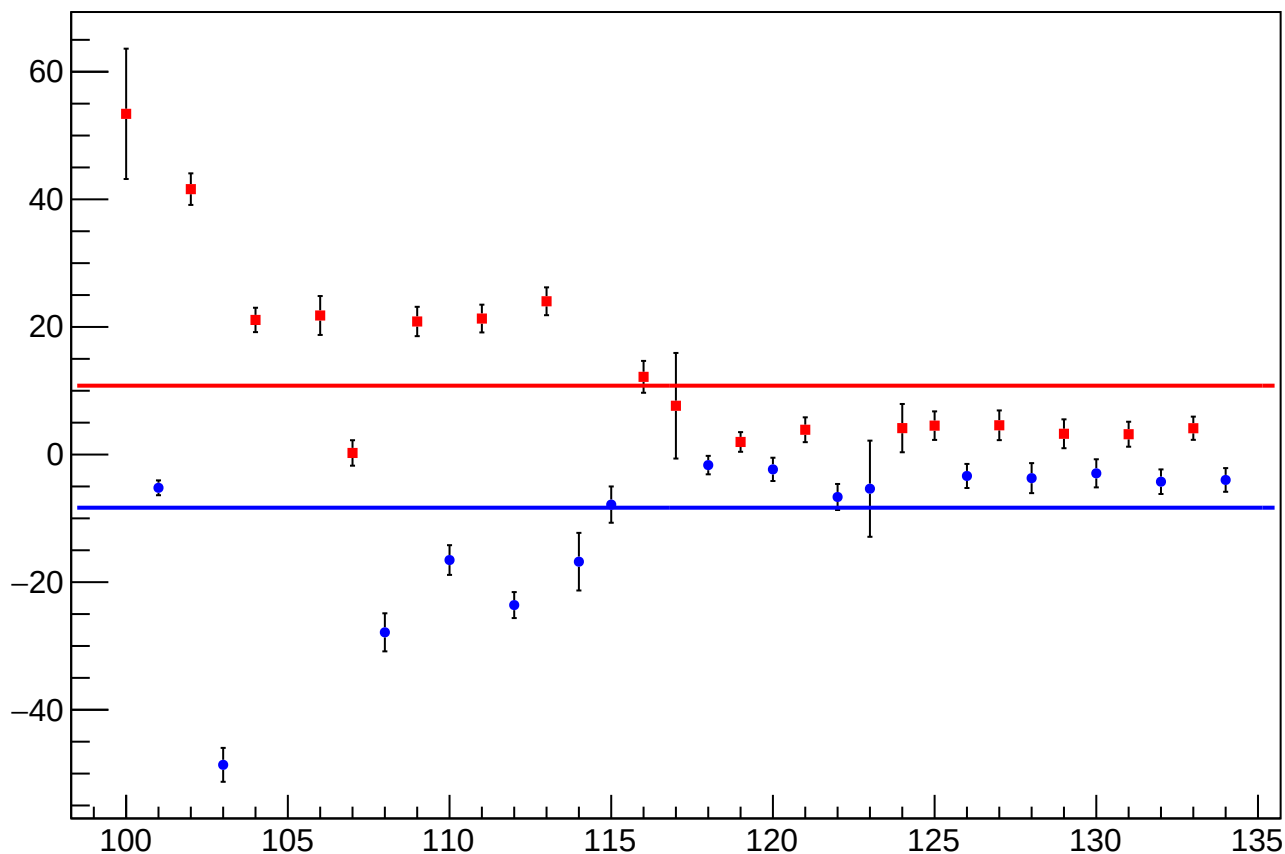
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-61.831 \pm 0.854$   $\chi^2/\text{NDF}$ : 168.2/15

$0.401 \pm 0.595$   $\chi^2/\text{NDF}$ : 10753.2/33

$59.242 \pm 0.831$   $\chi^2/\text{NDF}$ : 257.4/17

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -8.328+/-0.509  $\chi^2/\text{NDF}$ : 412.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.797+/-0.535  $\chi^2/\text{NDF}$ : 425.1/17

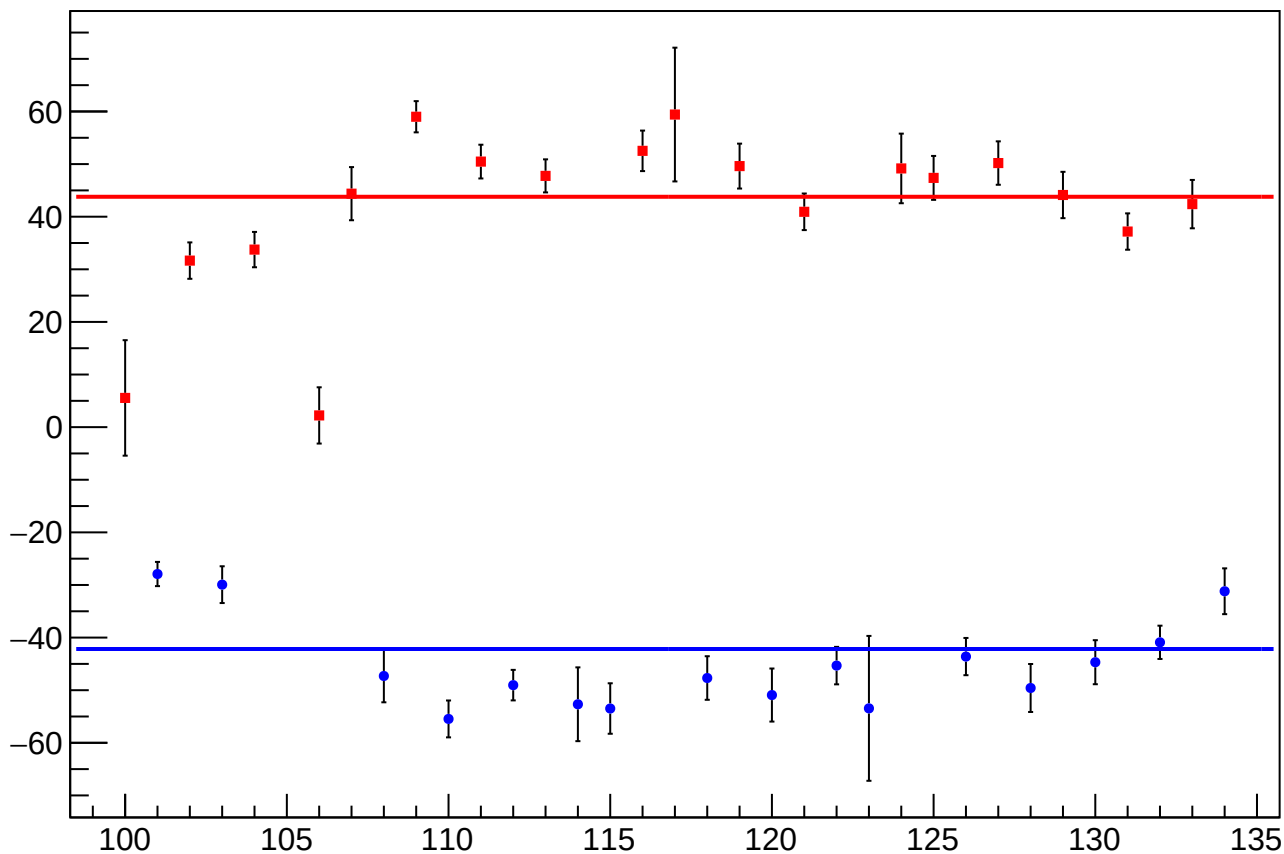
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-8.328+/-0.509  $\chi^2/\text{NDF}$ : 412.0/15

0.759+/-0.369  $\chi^2/\text{NDF}$ : 1506.8/33

10.797+/-0.535  $\chi^2/\text{NDF}$ : 425.1/17

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-42.169 \pm 0.956$   $\chi^2/\text{NDF}: 95.4/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $43.789 \pm 0.954$   $\chi^2/\text{NDF}: 142.8/17$

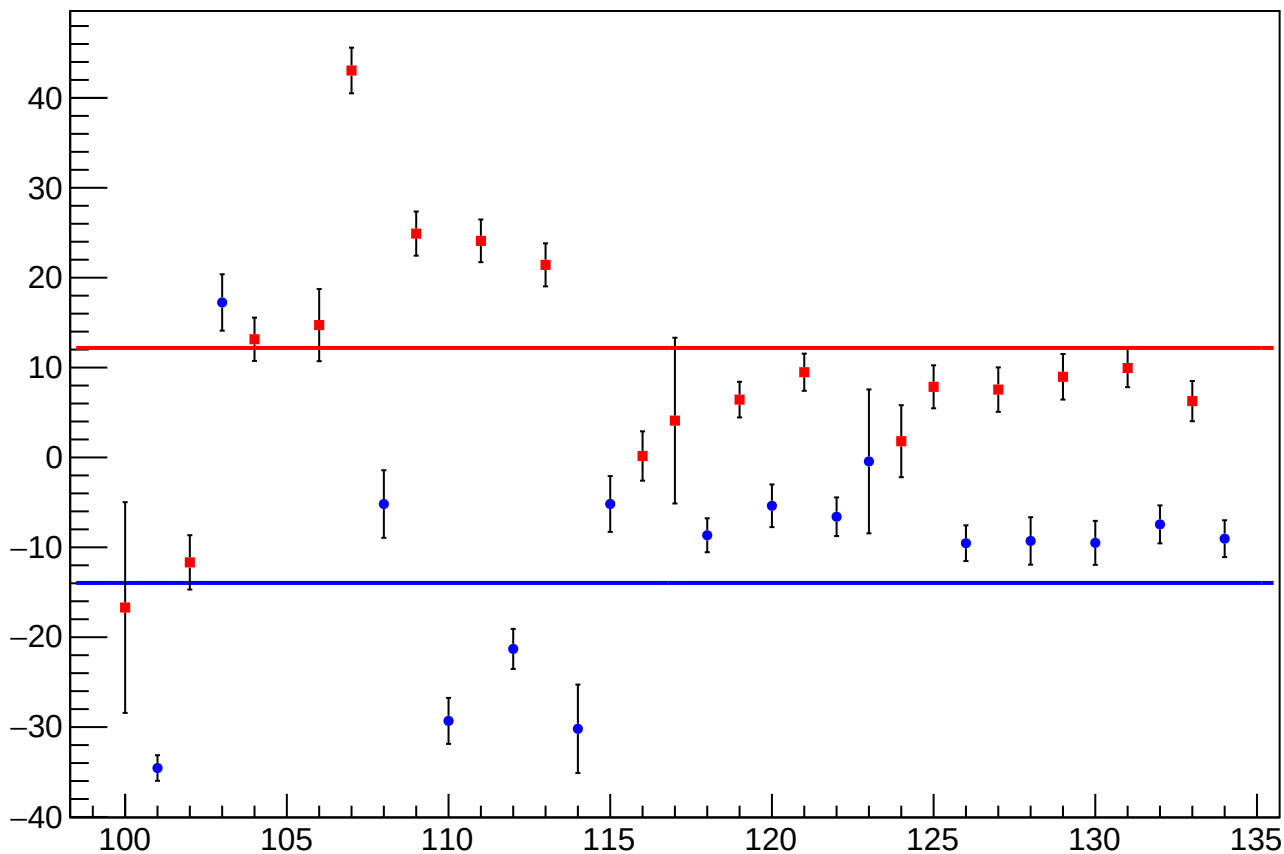
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-42.169 \pm 0.956$   $\chi^2/\text{NDF}: 95.4/15$

$0.920 \pm 0.675$   $\chi^2/\text{NDF}: 4290.4/33$

$43.789 \pm 0.954$   $\chi^2/\text{NDF}: 142.8/17$

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -13.960 $\pm$ 0.589  $\chi^2$ /NDF: 442.1/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 12.186 $\pm$ 0.616  $\chi^2$ /NDF: 337.0/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

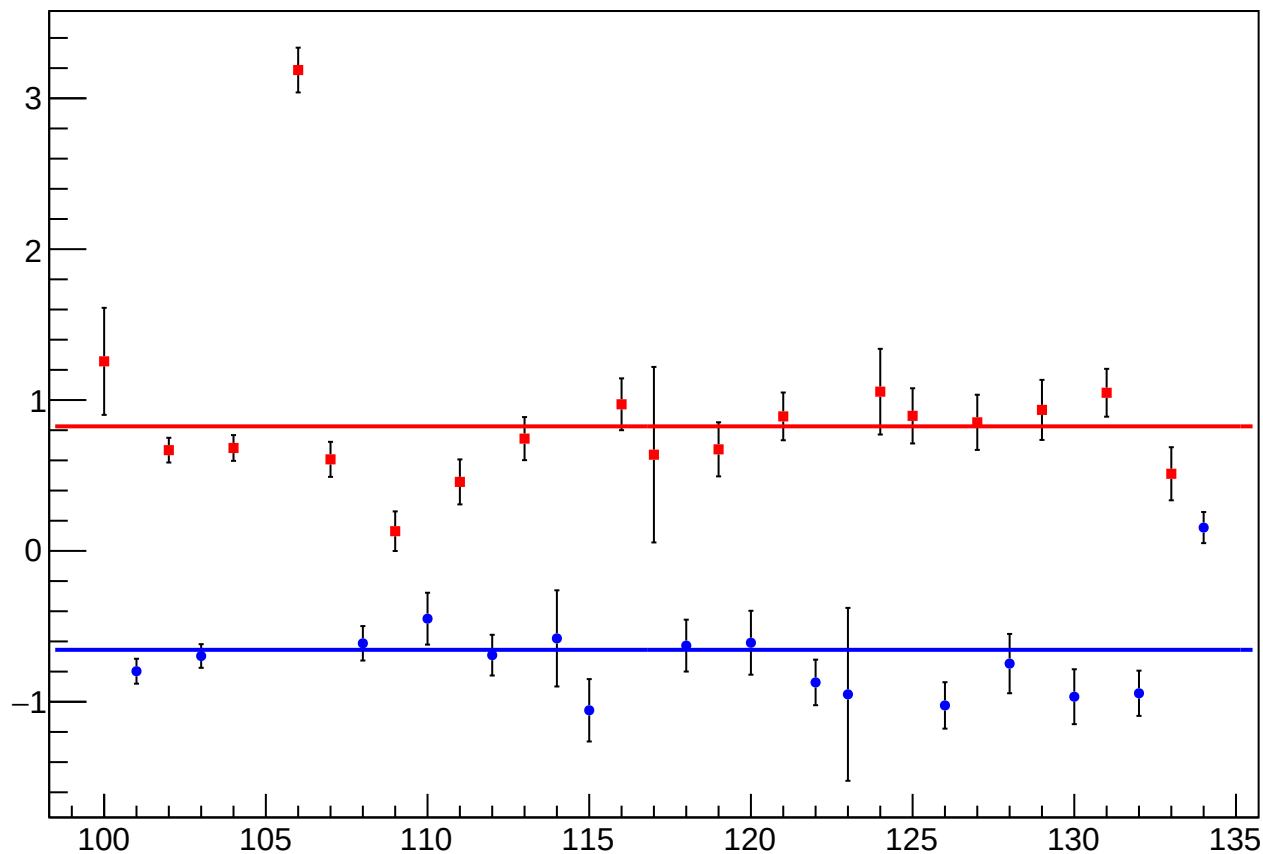
-13.960 $\pm$ 0.589  $\chi^2$ /NDF: 442.1/15

-1.479 $\pm$ 0.426  $\chi^2$ /NDF: 1719.7/33

12.186 $\pm$ 0.616  $\chi^2$ /NDF: 337.0/17



reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.656+/-0.034  $\chi^2$ /NDF: 85.5/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.826+/-0.034  $\chi^2$ /NDF: 307.5/17

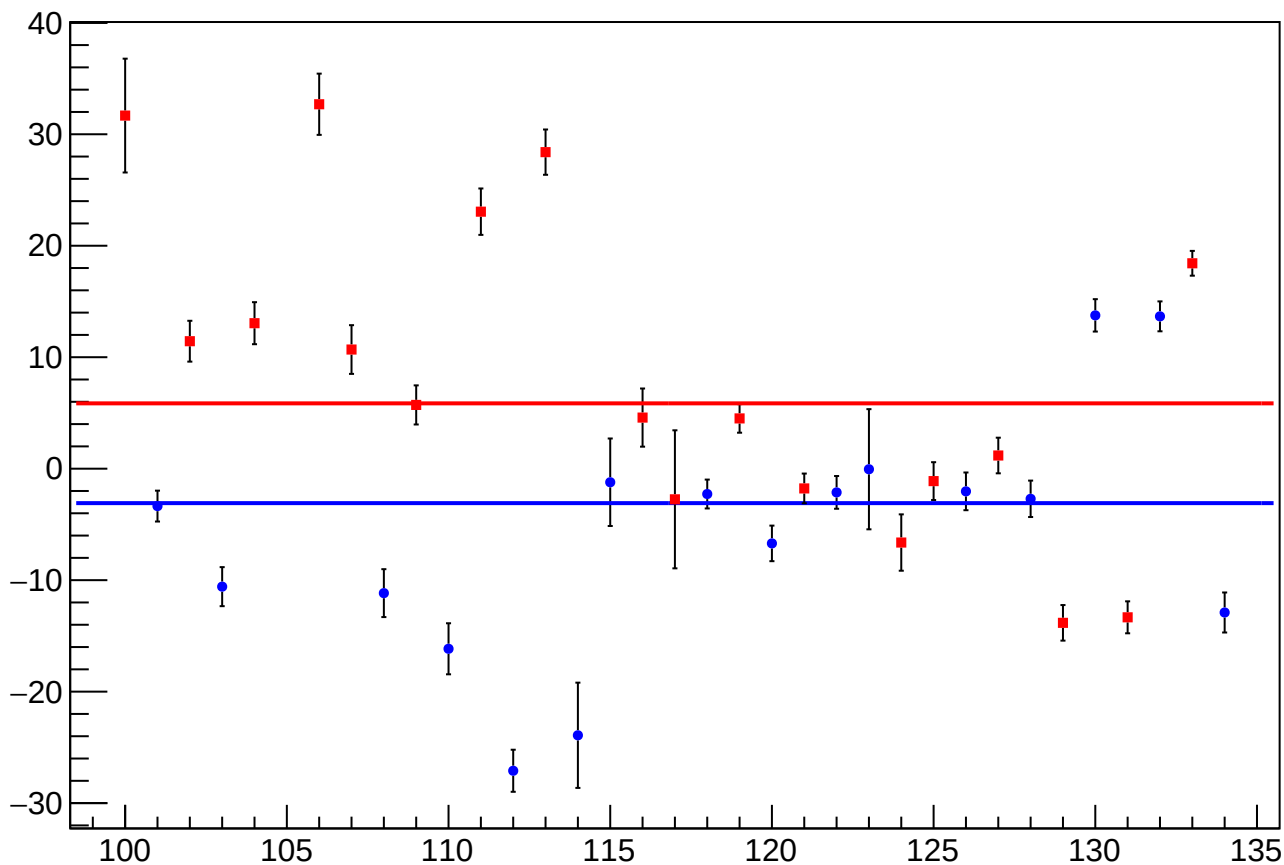
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-0.656+/-0.034  $\chi^2$ /NDF: 85.5/15

0.083+/-0.024  $\chi^2$ /NDF: 1320.9/33

0.826+/-0.034  $\chi^2$ /NDF: 307.5/17

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -3.090+/-0.439  $\chi^2/\text{NDF}$ : 573.6/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.860+/-0.419  $\chi^2/\text{NDF}$ : 885.9/17

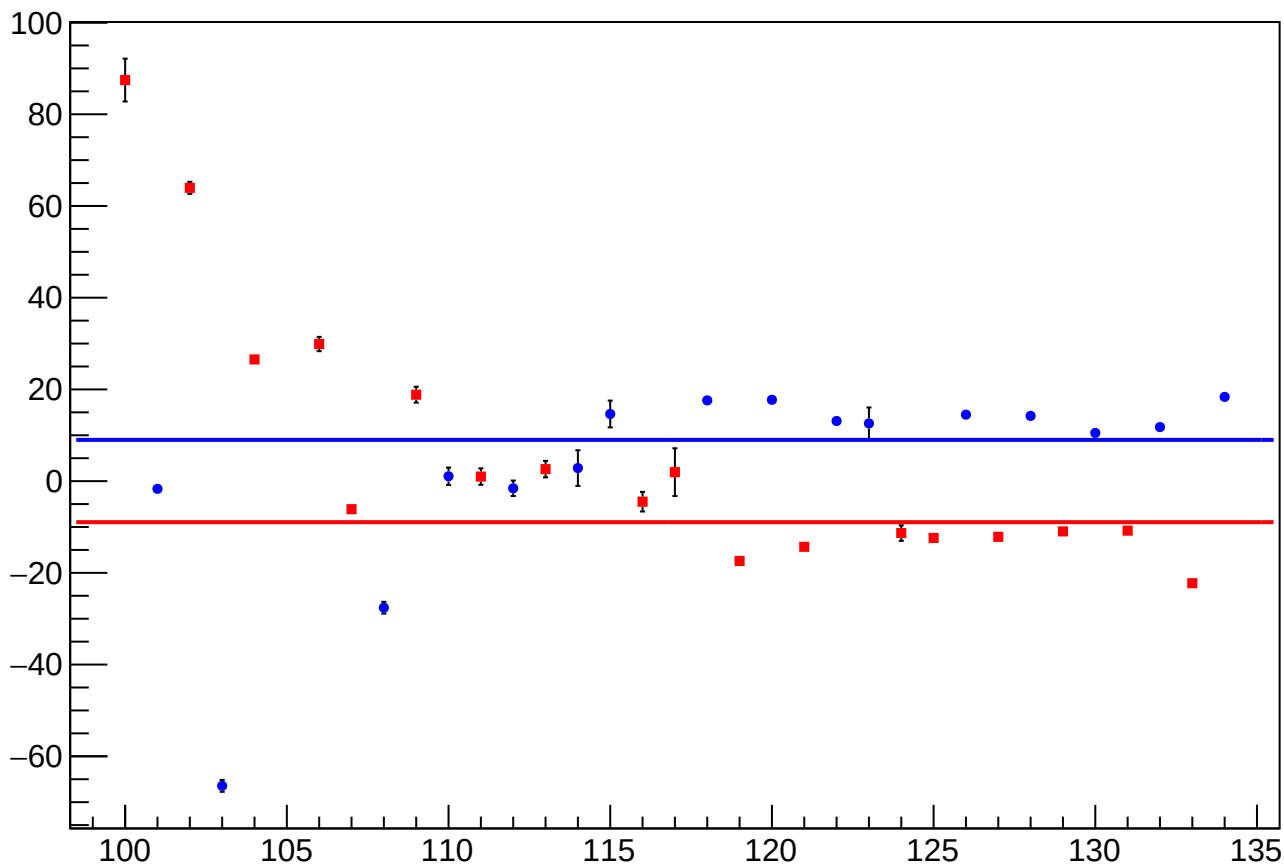
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3.090+/-0.439  $\chi^2/\text{NDF}$ : 573.6/15

1.585+/-0.303  $\chi^2/\text{NDF}$ : 1676.9/33

5.860+/-0.419  $\chi^2/\text{NDF}$ : 885.9/17

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $8.997 \pm 0.235$   $\chi^2/\text{NDF}$ : 5264.3/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-8.943 \pm 0.230$   $\chi^2/\text{NDF}$ : 6671.5/17

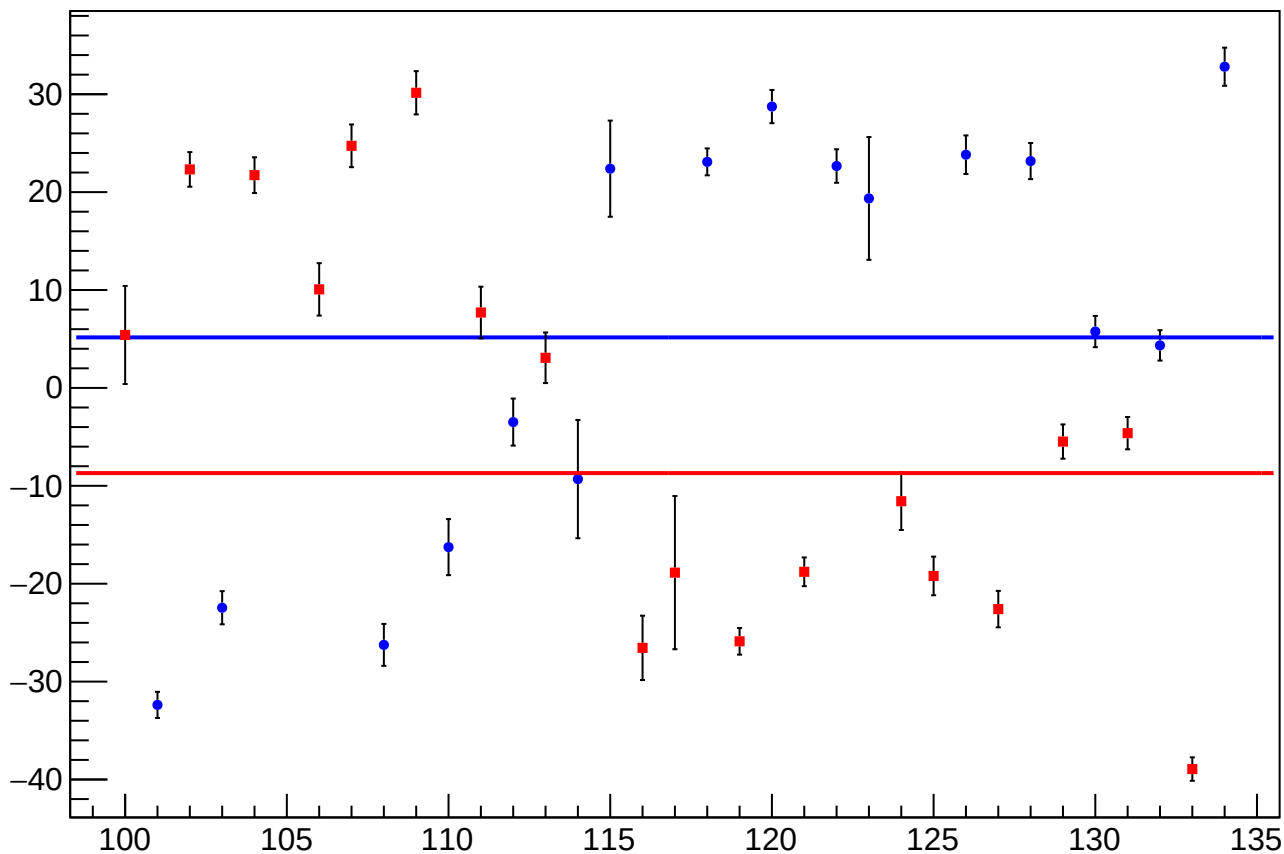
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$8.997 \pm 0.235$   $\chi^2/\text{NDF}$ : 5264.3/15

$-0.143 \pm 0.164$   $\chi^2/\text{NDF}$ : 14913.0/33

$-8.943 \pm 0.230$   $\chi^2/\text{NDF}$ : 6671.5/17

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 5.160 $\pm$ 0.479  $\chi^2$ /NDF: 2219.4/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -8.701 $\pm$ 0.463  $\chi^2$ /NDF: 2214.9/17

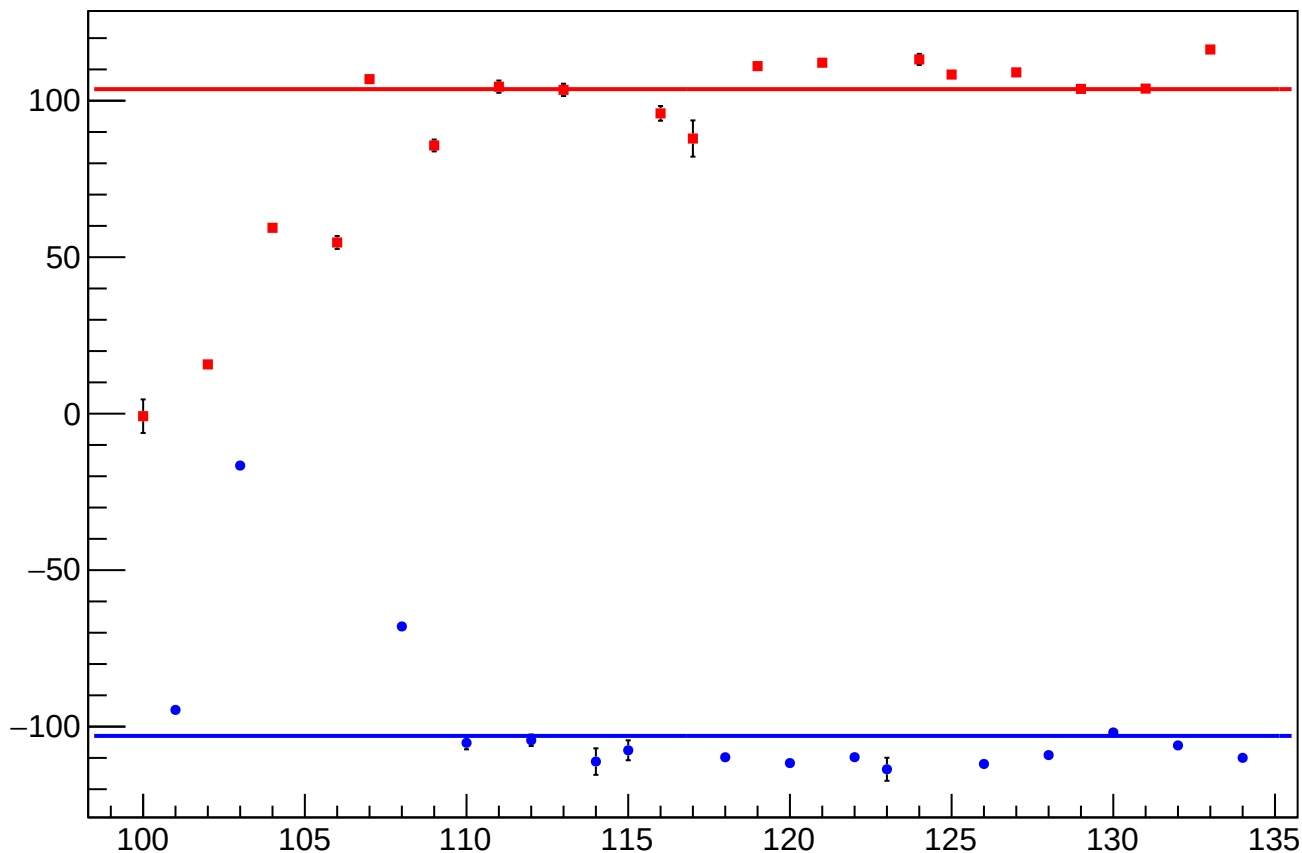
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

5.160 $\pm$ 0.479  $\chi^2$ /NDF: 2219.4/15

-2.012 $\pm$ 0.333  $\chi^2$ /NDF: 4867.6/33

-8.701 $\pm$ 0.463  $\chi^2$ /NDF: 2214.9/17

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -102.968+/-0.279  $\chi^2$ /NDF: 4222.9/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 103.703+/-0.272  $\chi^2$ /NDF: 5928.8/17

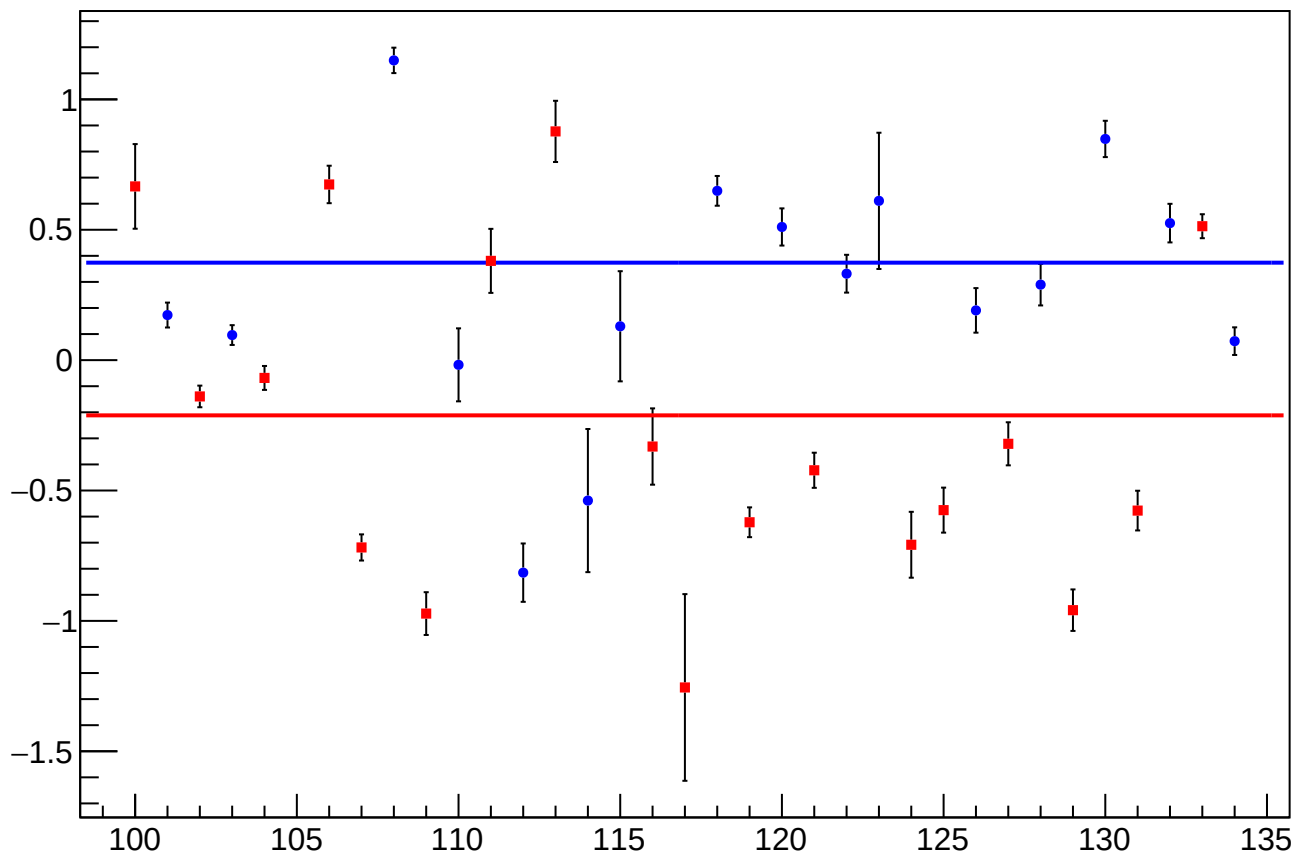
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-102.968+/-0.279  $\chi^2$ /NDF: 4222.9/15

3.018+/-0.195  $\chi^2$ /NDF: 291431.1/33

103.703+/-0.272  $\chi^2$ /NDF: 5928.8/17

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.374+/-0.017  $\chi^2/\text{NDF}$ : 574.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.212+/-0.016  $\chi^2/\text{NDF}$ : 956.7/17

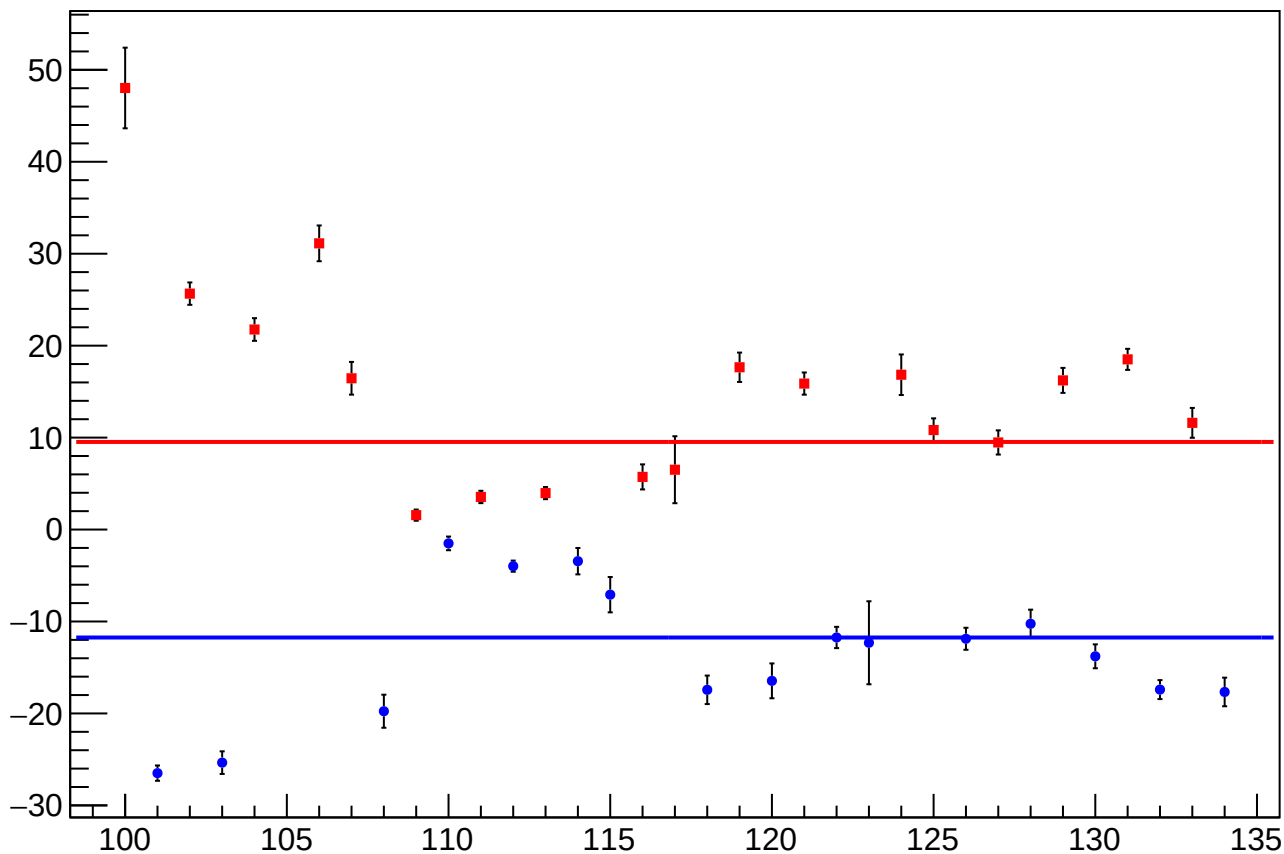
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.374+/-0.017  $\chi^2/\text{NDF}$ : 574.1/15

0.071+/-0.012  $\chi^2/\text{NDF}$ : 2144.7/33

-0.212+/-0.016  $\chi^2/\text{NDF}$ : 956.7/17

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-11.742 \pm 0.286$   $\chi^2/\text{NDF}$ : 915.9/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $9.529 \pm 0.268$   $\chi^2/\text{NDF}$ : 973.1/17

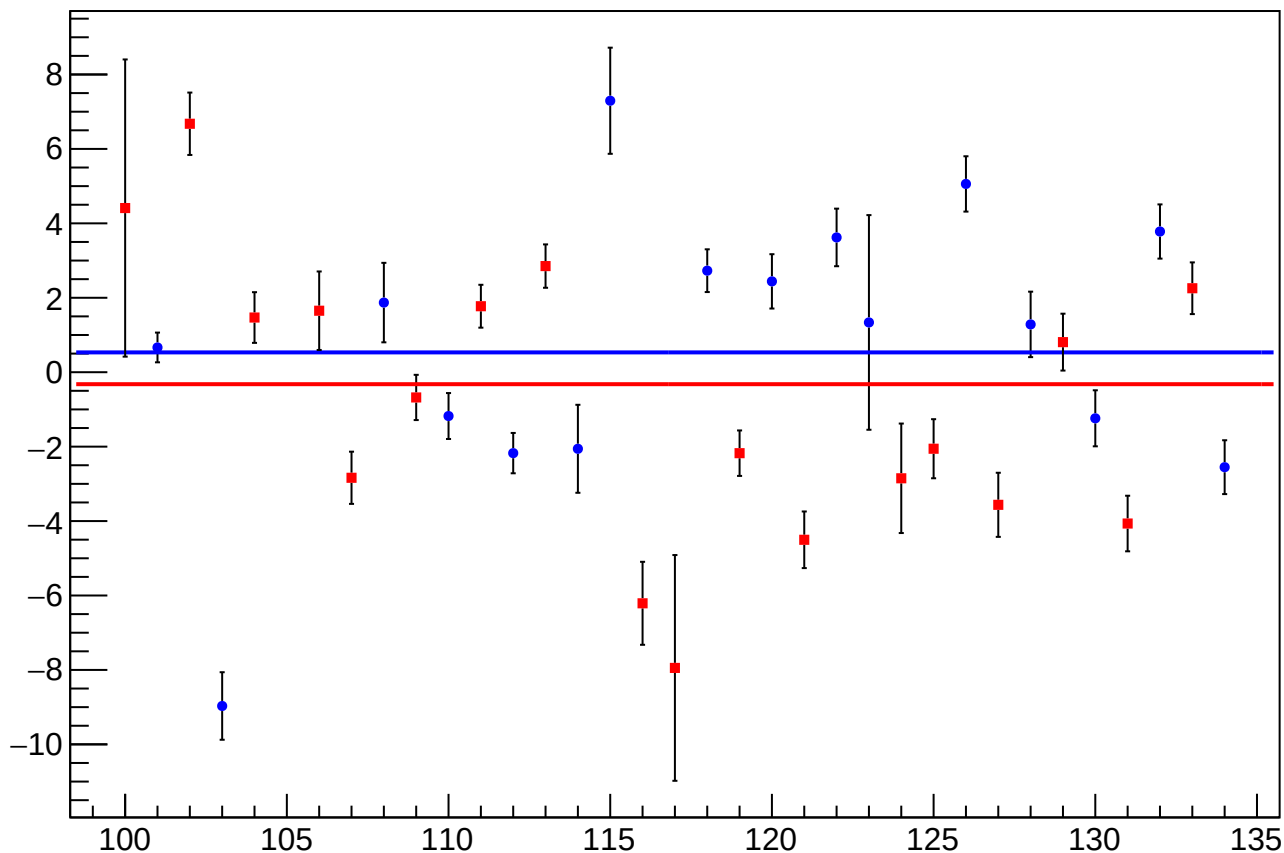
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-11.742 \pm 0.286$   $\chi^2/\text{NDF}$ : 915.9/15

$-0.407 \pm 0.195$   $\chi^2/\text{NDF}$ : 4841.3/33

$9.529 \pm 0.268$   $\chi^2/\text{NDF}$ : 973.1/17

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $0.532 \pm 0.180$   $\chi^2/\text{NDF}$ : 290.1/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.322 \pm 0.184$   $\chi^2/\text{NDF}$ : 274.2/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

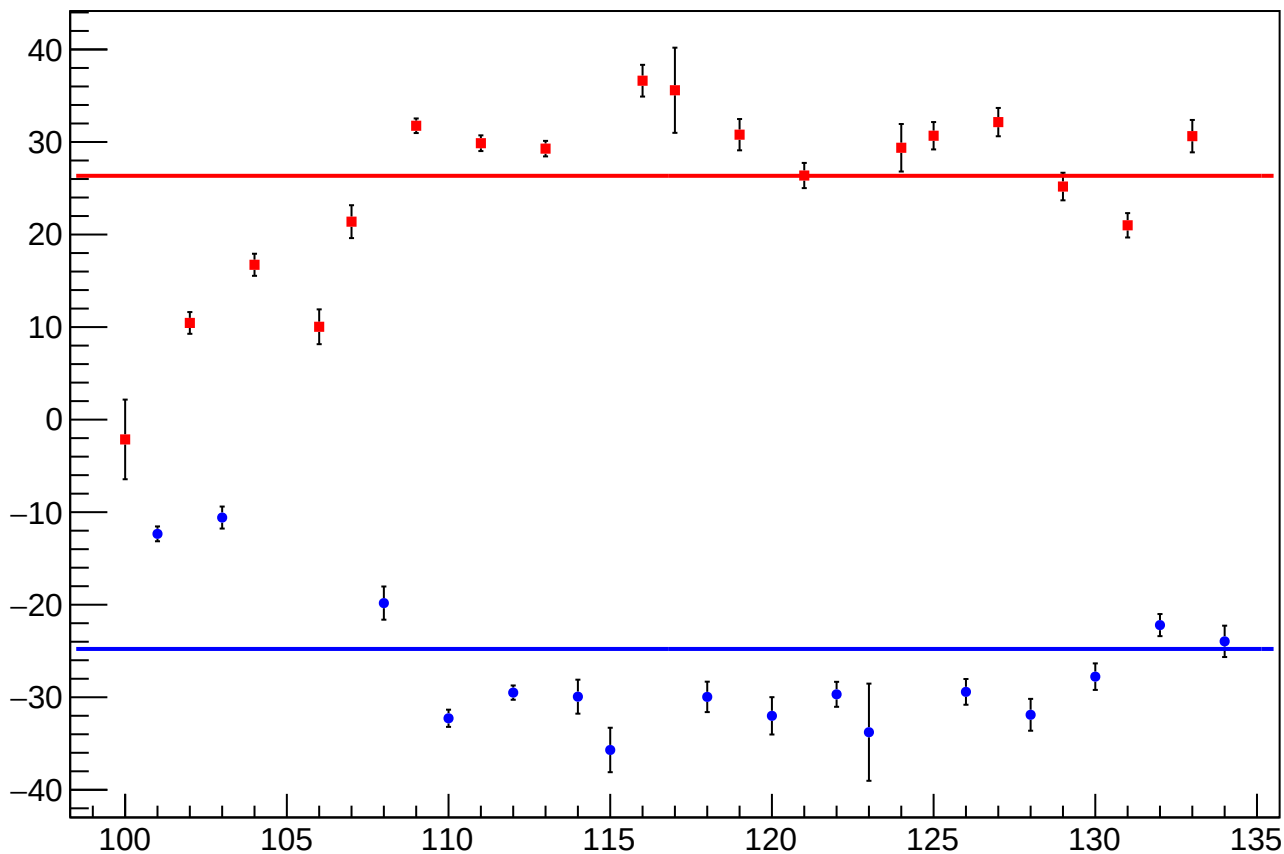
$0.532 \pm 0.180$   $\chi^2/\text{NDF}$ : 290.1/15

$0.115 \pm 0.129$   $\chi^2/\text{NDF}$ : 575.3/33

$-0.322 \pm 0.184$   $\chi^2/\text{NDF}$ : 274.2/17



reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -24.780+/-0.325  $\chi^2/\text{NDF}$ : 597.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 26.347+/-0.314  $\chi^2/\text{NDF}$ : 545.5/17

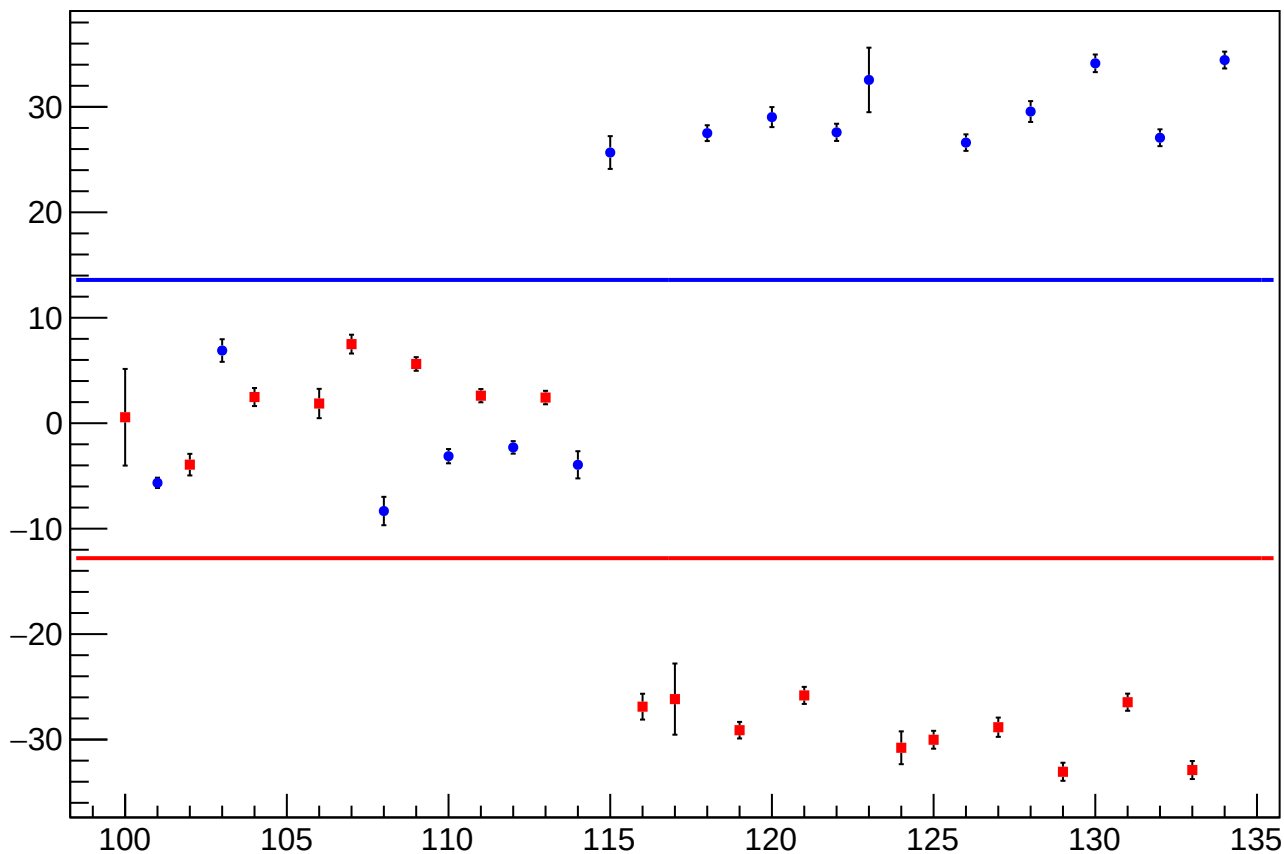
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-24.780+/-0.325  $\chi^2/\text{NDF}$ : 597.4/15

1.690+/-0.226  $\chi^2/\text{NDF}$ : 13954.4/33

26.347+/-0.314  $\chi^2/\text{NDF}$ : 545.5/17

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 13.588+/-0.207  $\chi^2$ /NDF: 6480.0/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -12.800+/-0.210  $\chi^2$ /NDF: 6094.8/17

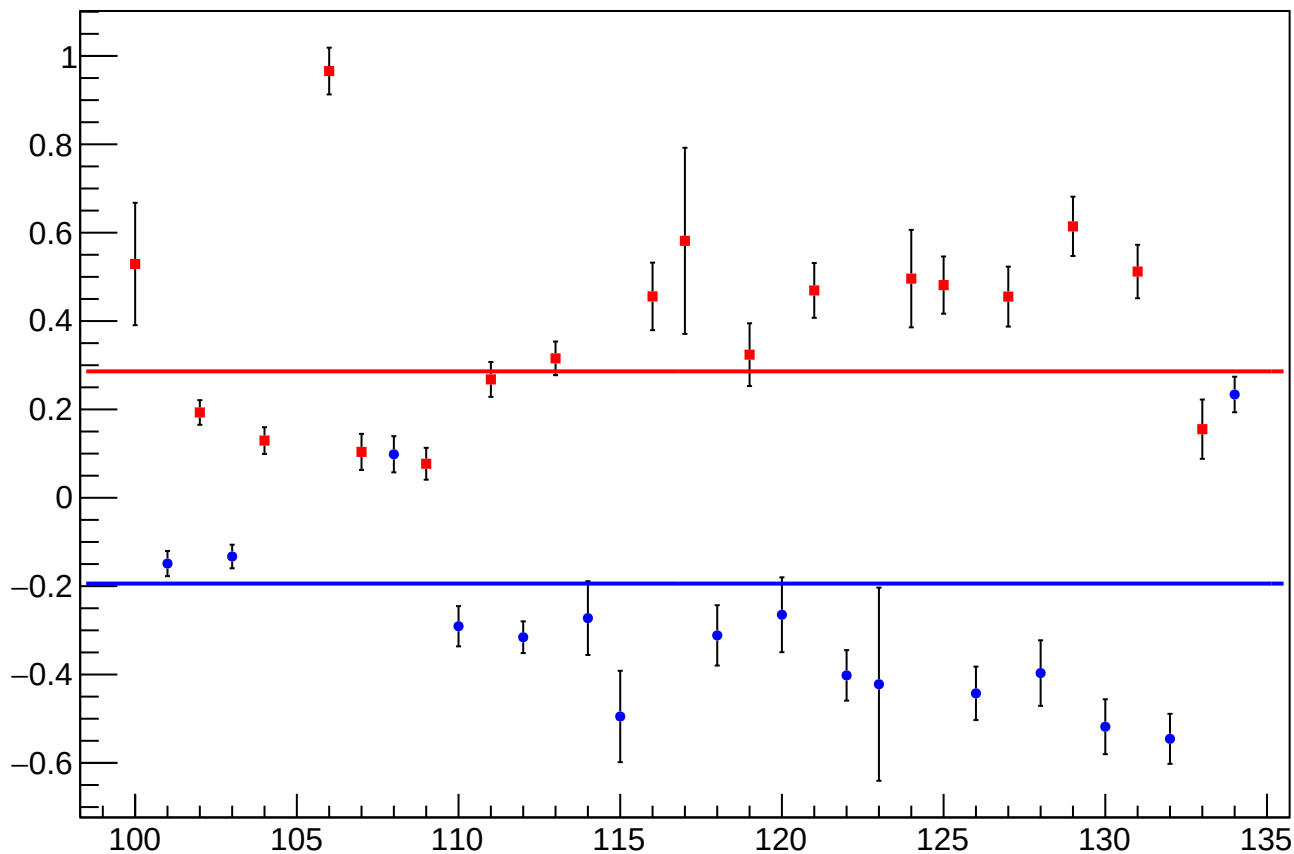
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

13.588+/-0.207  $\chi^2$ /NDF: 6480.0/15

0.604+/-0.147  $\chi^2$ /NDF: 20586.3/33

-12.800+/-0.210  $\chi^2$ /NDF: 6094.8/17

reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.194+/-0.012  $\chi^2$ /NDF: 305.5/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.286+/-0.012  $\chi^2$ /NDF: 337.1/17

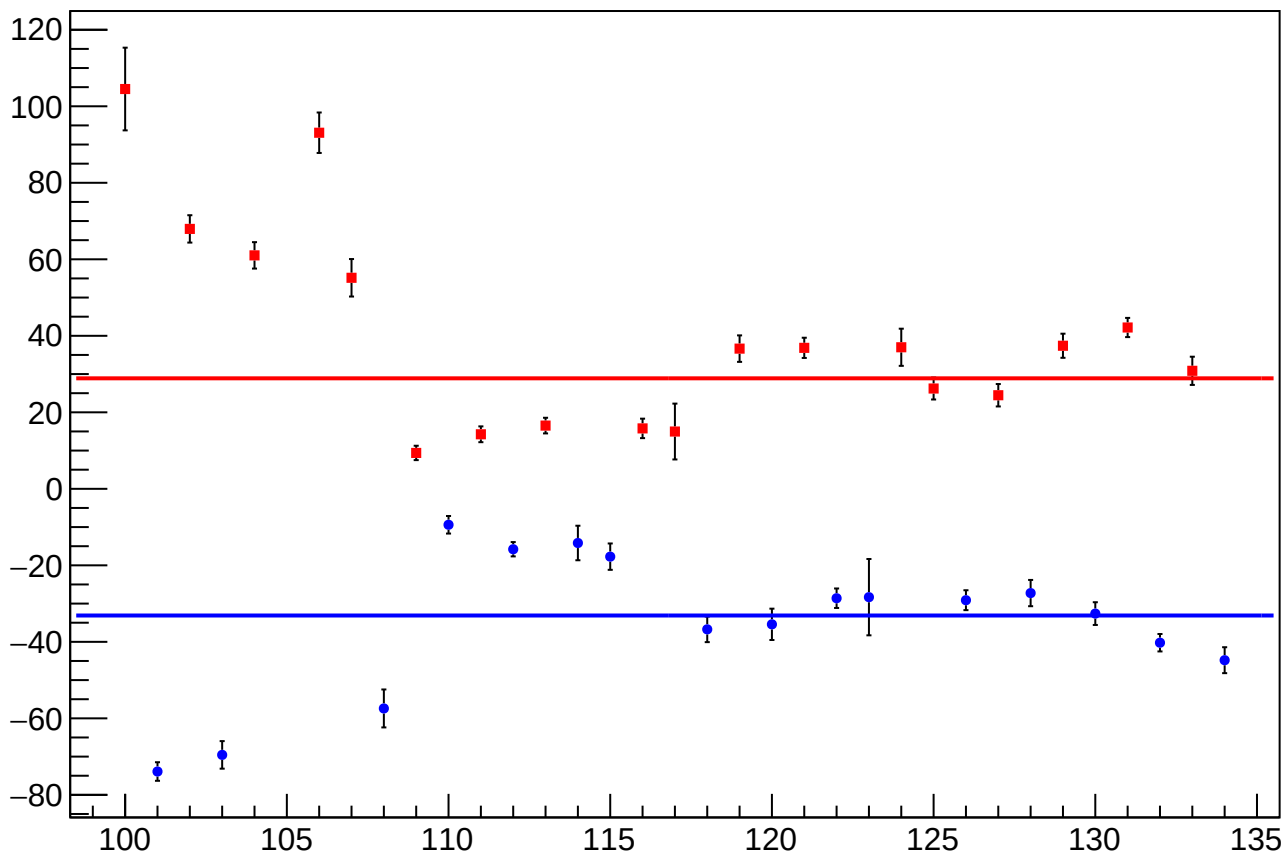
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-0.194+/-0.012  $\chi^2$ /NDF: 305.5/15

0.052+/-0.008  $\chi^2$ /NDF: 1475.5/33

0.286+/-0.012  $\chi^2$ /NDF: 337.1/17

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-33.115 \pm 0.738$   $\chi^2/\text{NDF}$ : 670.6/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $28.885 \pm 0.704$   $\chi^2/\text{NDF}$ : 711.1/17

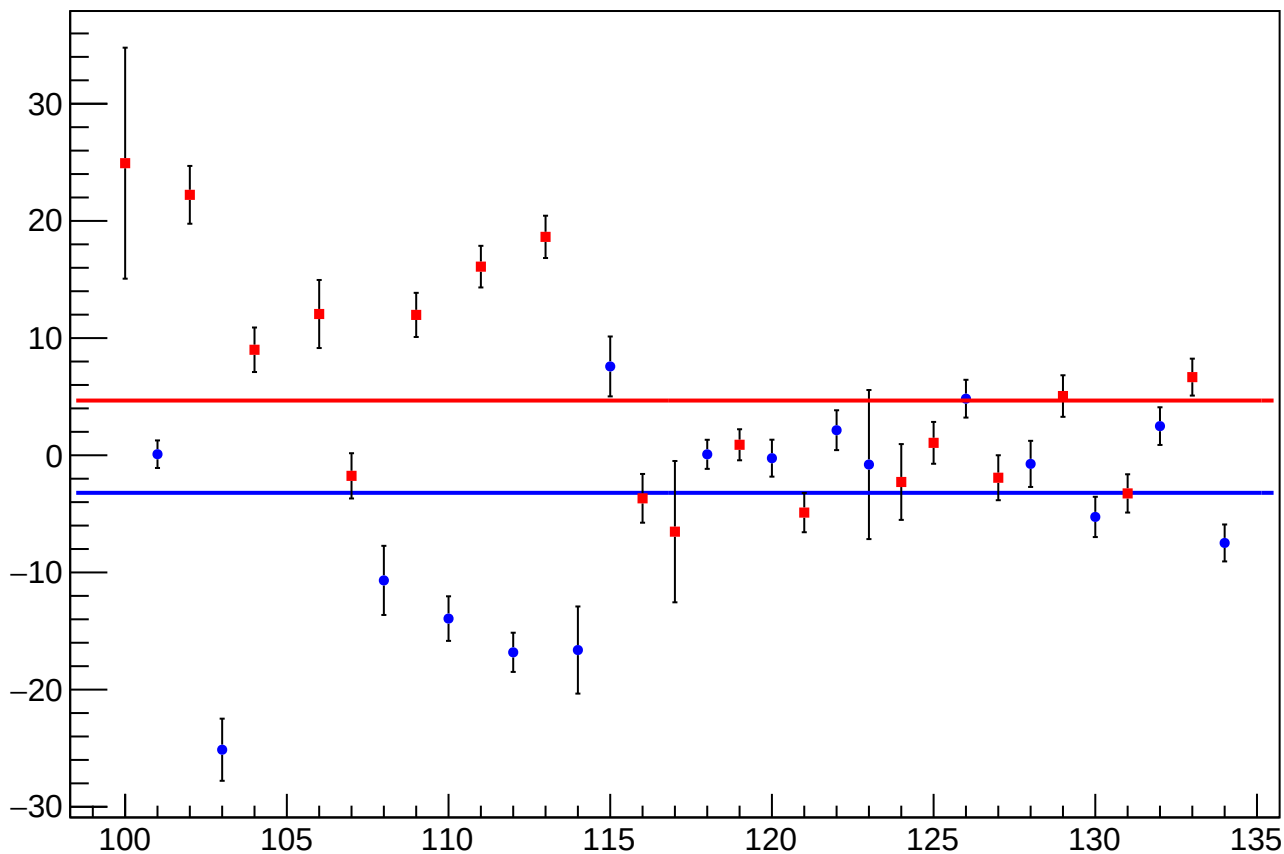
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-33.115 \pm 0.738$   $\chi^2/\text{NDF}$ : 670.6/15

$-0.639 \pm 0.509$   $\chi^2/\text{NDF}$ : 5076.0/33

$28.885 \pm 0.704$   $\chi^2/\text{NDF}$ : 711.1/17

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.205+/-0.446  $\chi^2/\text{NDF}$ : 279.8/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.671+/-0.461  $\chi^2/\text{NDF}$ : 299.7/17

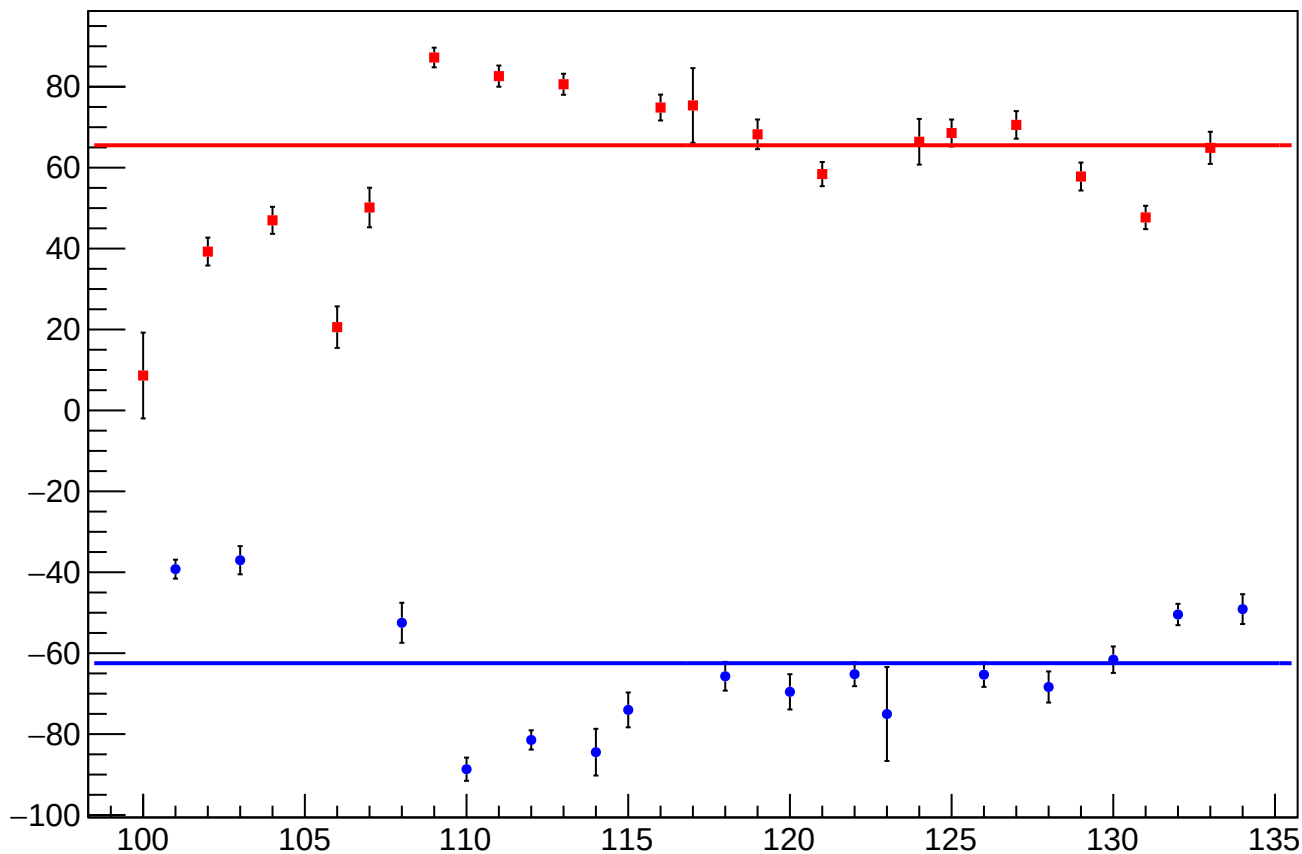
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3.205+/-0.446  $\chi^2/\text{NDF}$ : 279.8/15

0.600+/-0.320  $\chi^2/\text{NDF}$ : 730.4/33

4.671+/-0.461  $\chi^2/\text{NDF}$ : 299.7/17

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-62.474 \pm 0.837$   $\chi^2/\text{NDF}$ : 367.6/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $65.537 \pm 0.818$   $\chi^2/\text{NDF}$ : 421.9/17

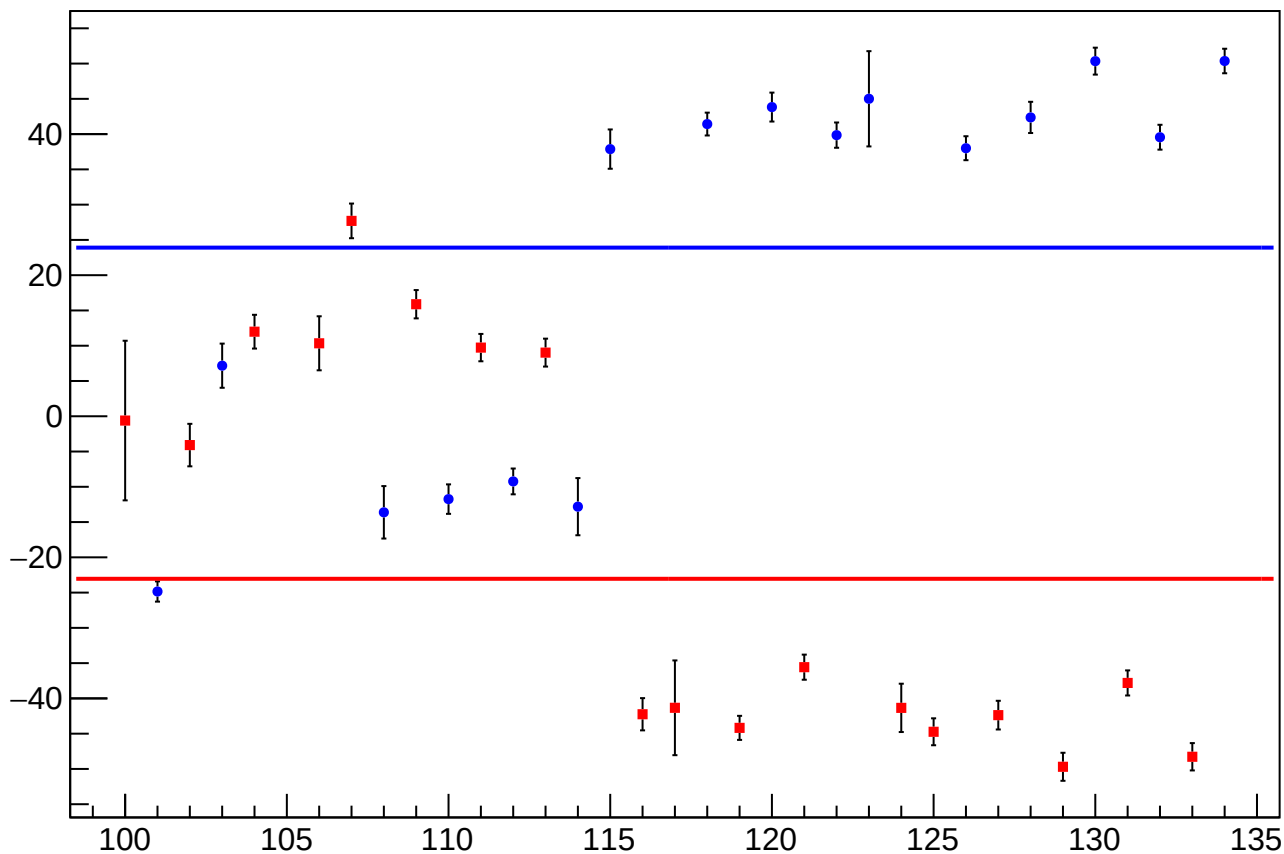
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-62.474 \pm 0.837$   $\chi^2/\text{NDF}$ : 367.6/15

$2.988 \pm 0.585$   $\chi^2/\text{NDF}$ : 12758.9/33

$65.537 \pm 0.818$   $\chi^2/\text{NDF}$ : 421.9/17

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 23.908+/-0.512  $\chi^2$ /NDF: 2950.4/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -23.043+/-0.527  $\chi^2$ /NDF: 2631.8/17

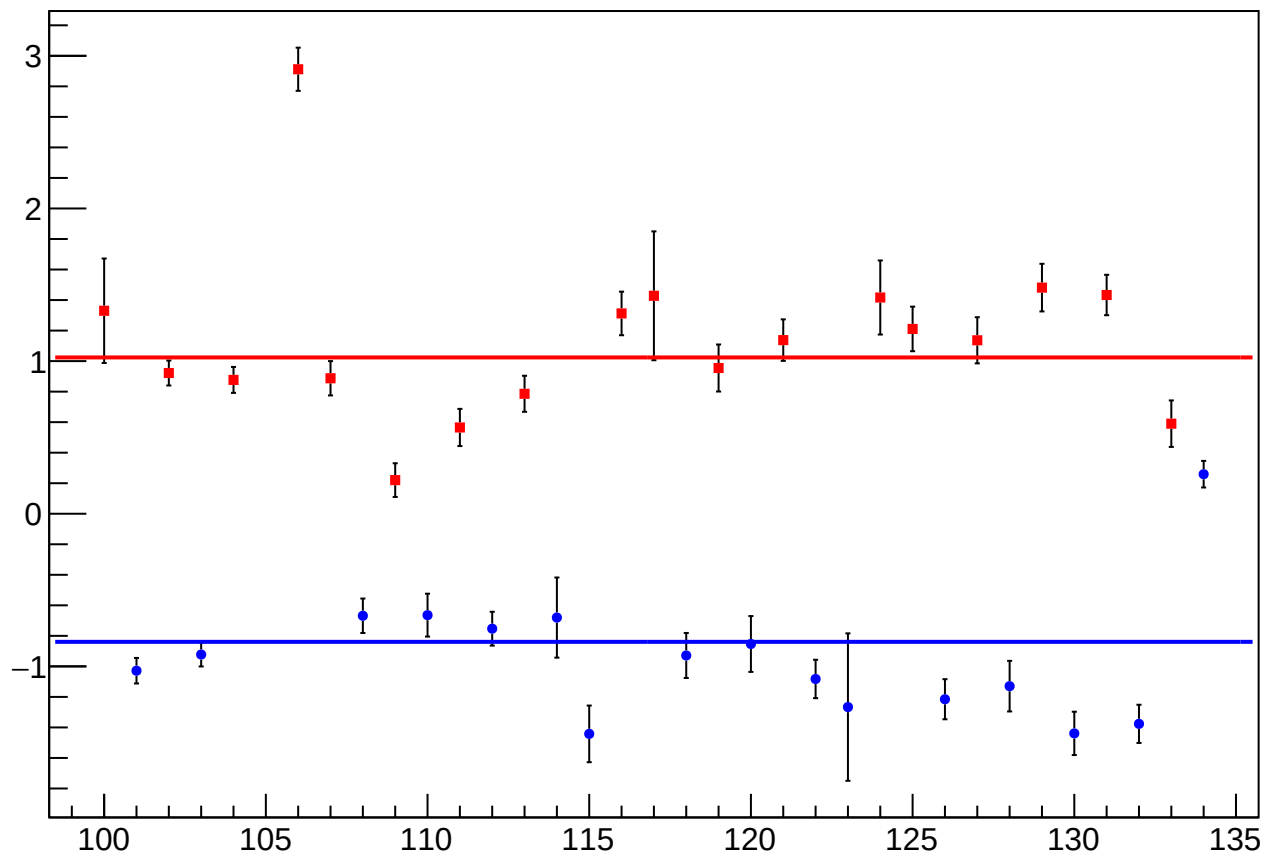
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

23.908+/-0.512  $\chi^2$ /NDF: 2950.4/15

1.072+/-0.367  $\chi^2$ /NDF: 9664.9/33

-23.043+/-0.527  $\chi^2$ /NDF: 2631.8/17

reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.839+/-0.031  $\chi^2/\text{NDF}$ : 233.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.024+/-0.031  $\chi^2/\text{NDF}$ : 293.2/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

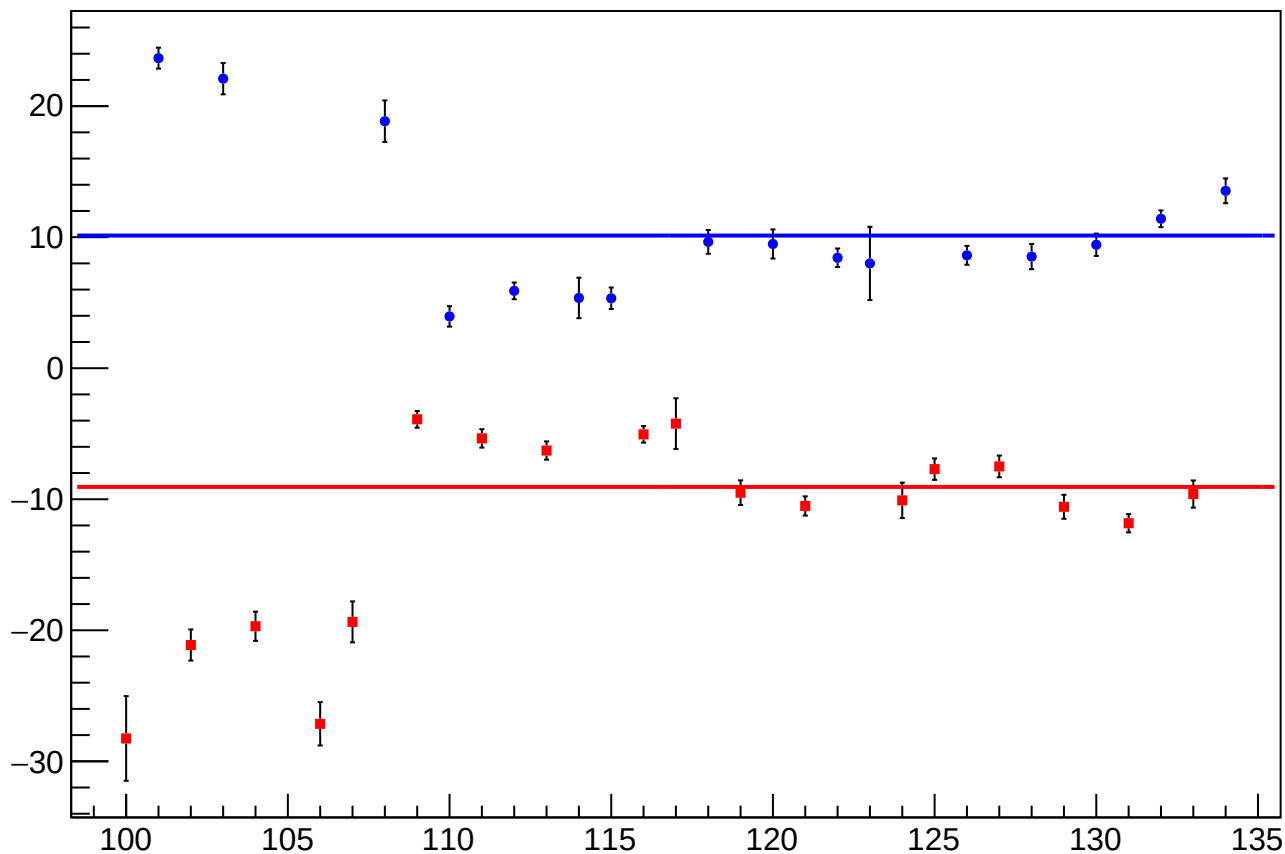
-0.839+/-0.031  $\chi^2/\text{NDF}$ : 233.1/15

0.094+/-0.022  $\chi^2/\text{NDF}$ : 2340.8/33

1.024+/-0.031  $\chi^2/\text{NDF}$ : 293.2/17



reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 10.124+/-0.219  $\chi^2$ /NDF: 599.6/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -9.058+/-0.211  $\chi^2$ /NDF: 578.1/17

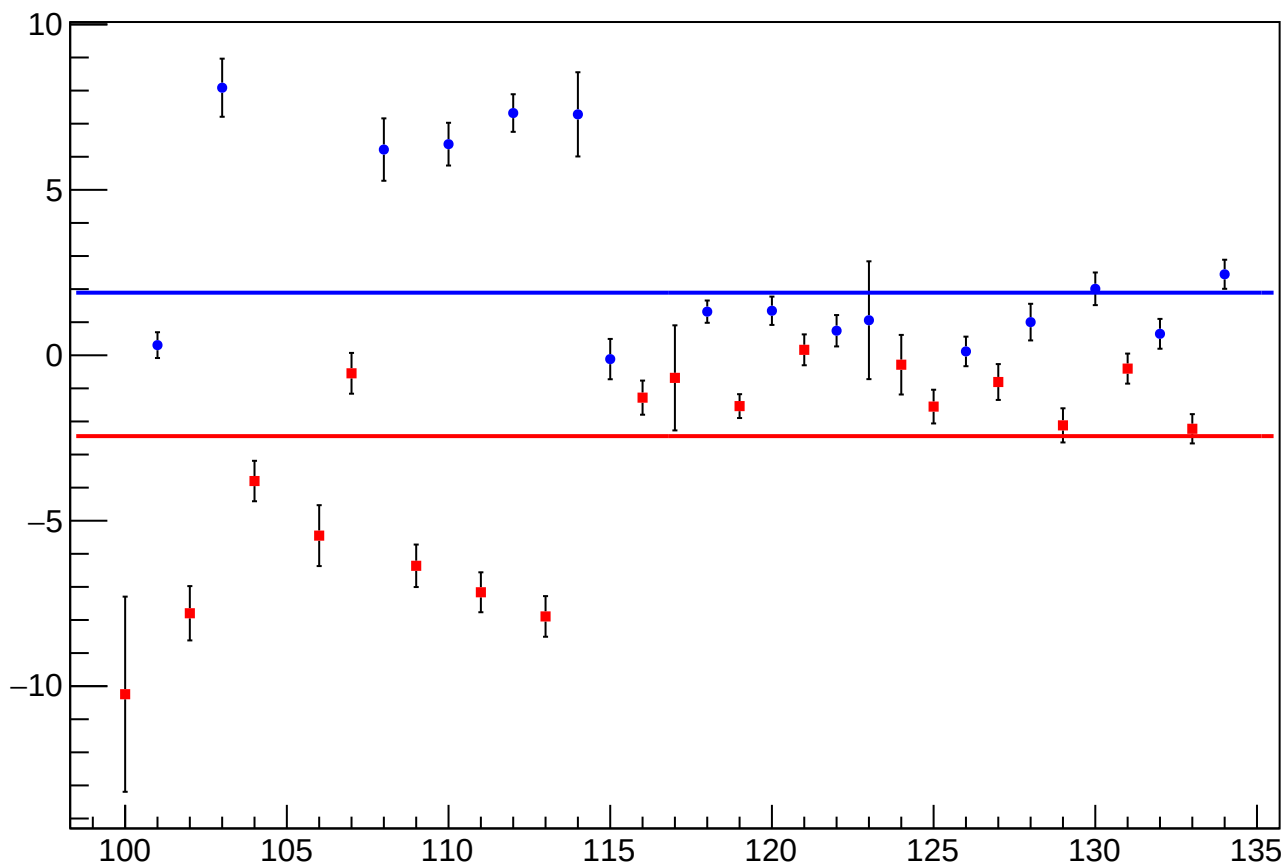
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

10.124+/-0.219  $\chi^2$ /NDF: 599.6/15

0.173+/-0.152  $\chi^2$ /NDF: 5139.7/33

-9.058+/-0.211  $\chi^2$ /NDF: 578.1/17

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.892+/-0.130  $\chi^2/\text{NDF}$ : 294.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.443+/-0.135  $\chi^2/\text{NDF}$ : 334.4/17

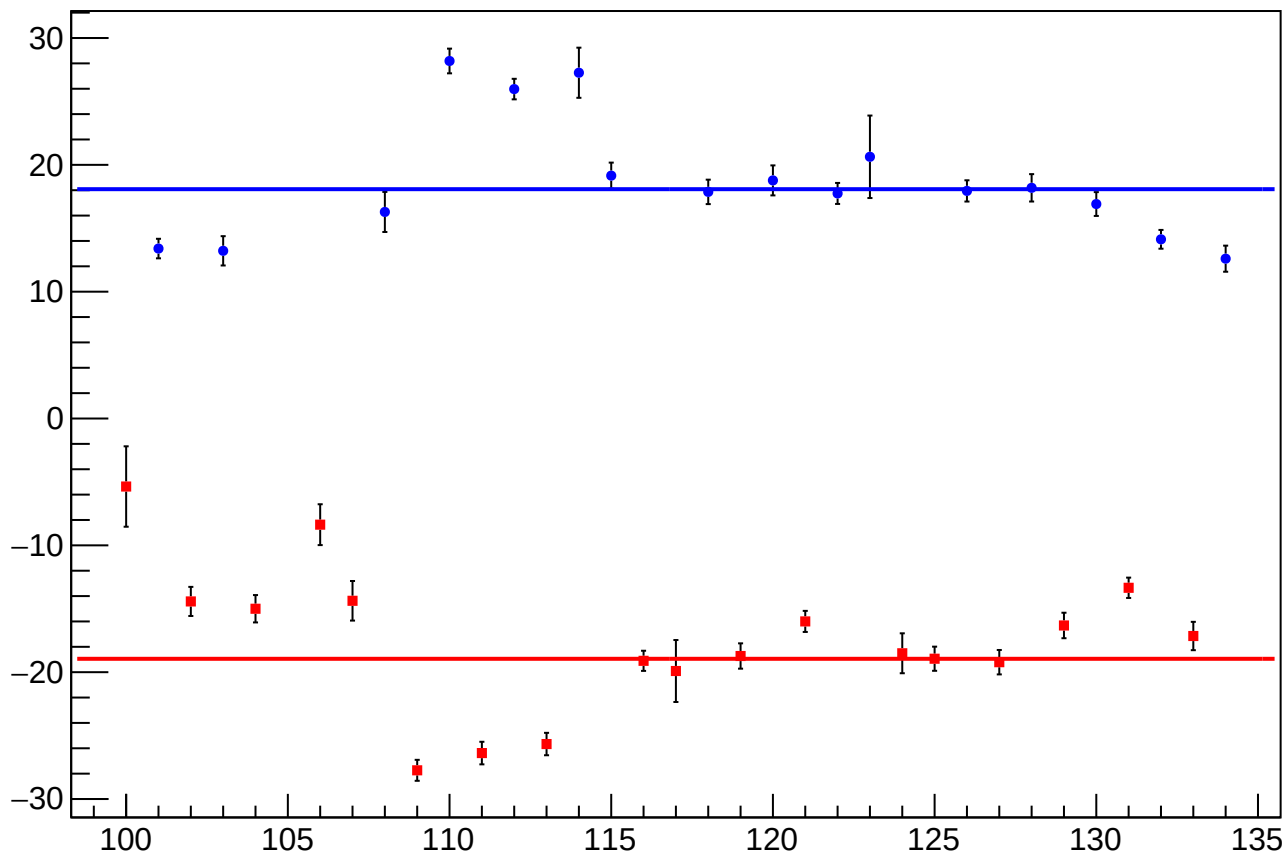
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.892+/-0.130  $\chi^2/\text{NDF}$ : 294.0/15

-0.185+/-0.094  $\chi^2/\text{NDF}$ : 1162.5/33

-2.443+/-0.135  $\chi^2/\text{NDF}$ : 334.4/17

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 18.082 $\pm$ 0.249  $\chi^2$ /NDF: 341.1/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -18.945 $\pm$ 0.245  $\chi^2$ /NDF: 410.9/17

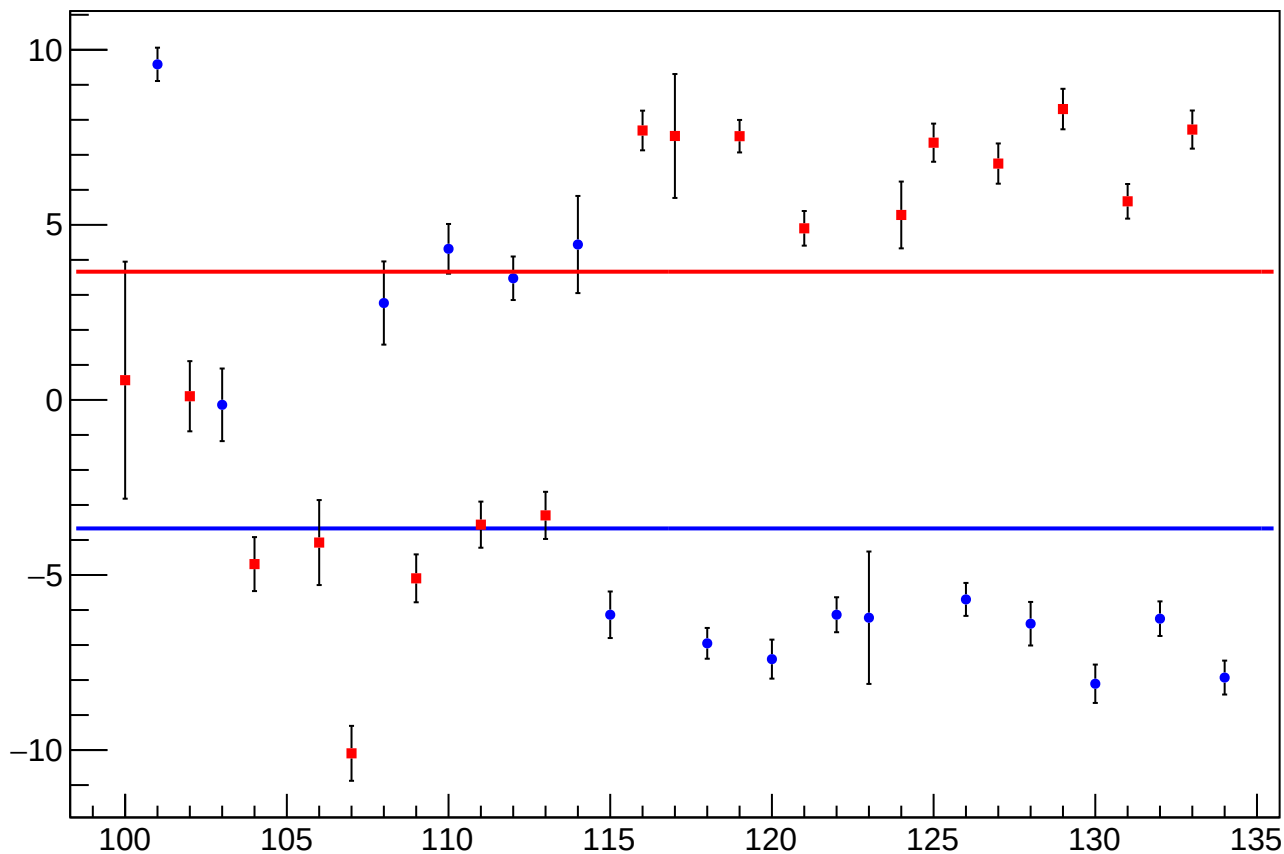
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

18.082 $\pm$ 0.249  $\chi^2$ /NDF: 341.1/15

-0.719 $\pm$ 0.175  $\chi^2$ /NDF: 11996.1/33

-18.945 $\pm$ 0.245  $\chi^2$ /NDF: 410.9/17

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -3.670+/-0.149  $\chi^2/\text{NDF}$ : 1457.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.663+/-0.155  $\chi^2/\text{NDF}$ : 1215.5/17

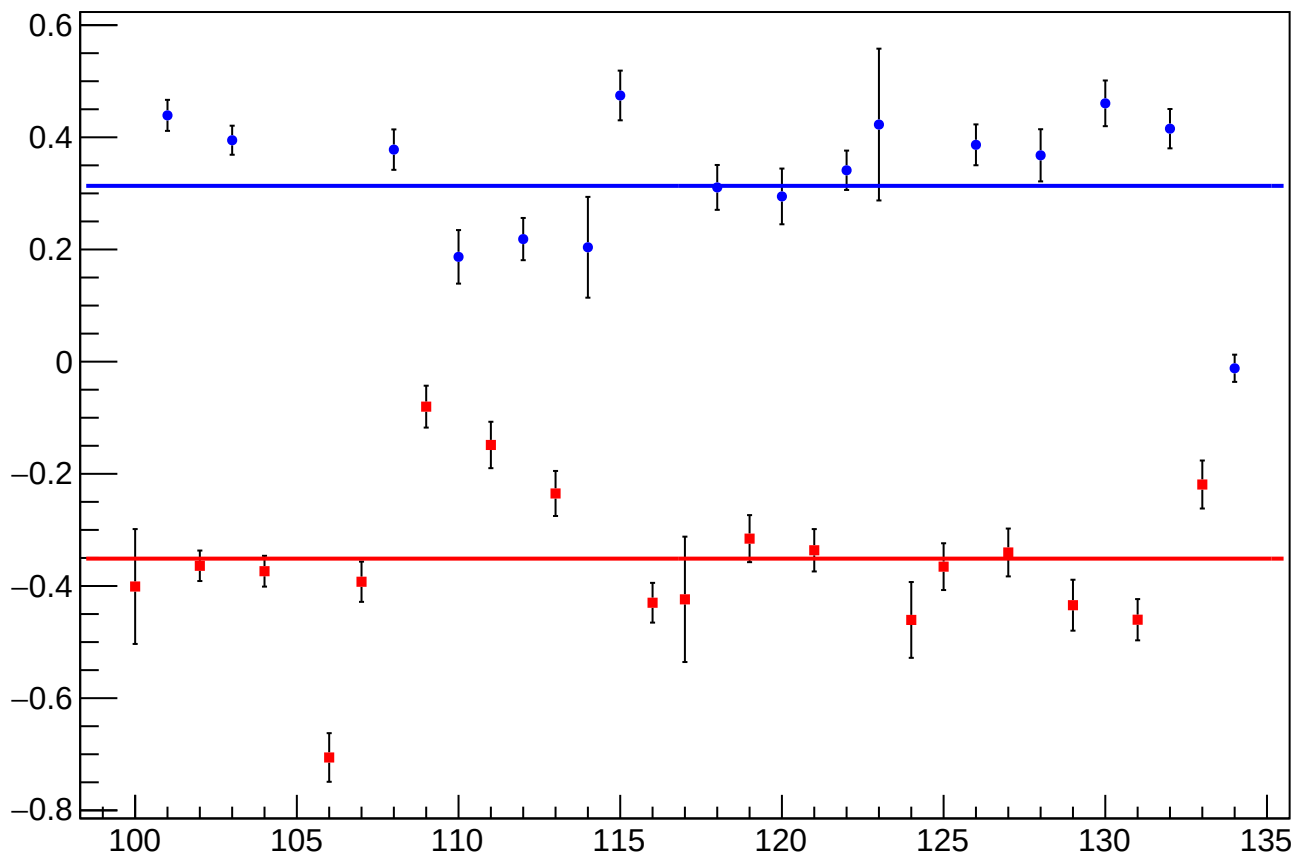
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3.670+/-0.149  $\chi^2/\text{NDF}$ : 1457.2/15

-0.133+/-0.107  $\chi^2/\text{NDF}$ : 3836.9/33

3.663+/-0.155  $\chi^2/\text{NDF}$ : 1215.5/17

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.313+/-0.009  $\chi^2/\text{NDF}$ : 269.8/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.351+/-0.009  $\chi^2/\text{NDF}$ : 185.0/17

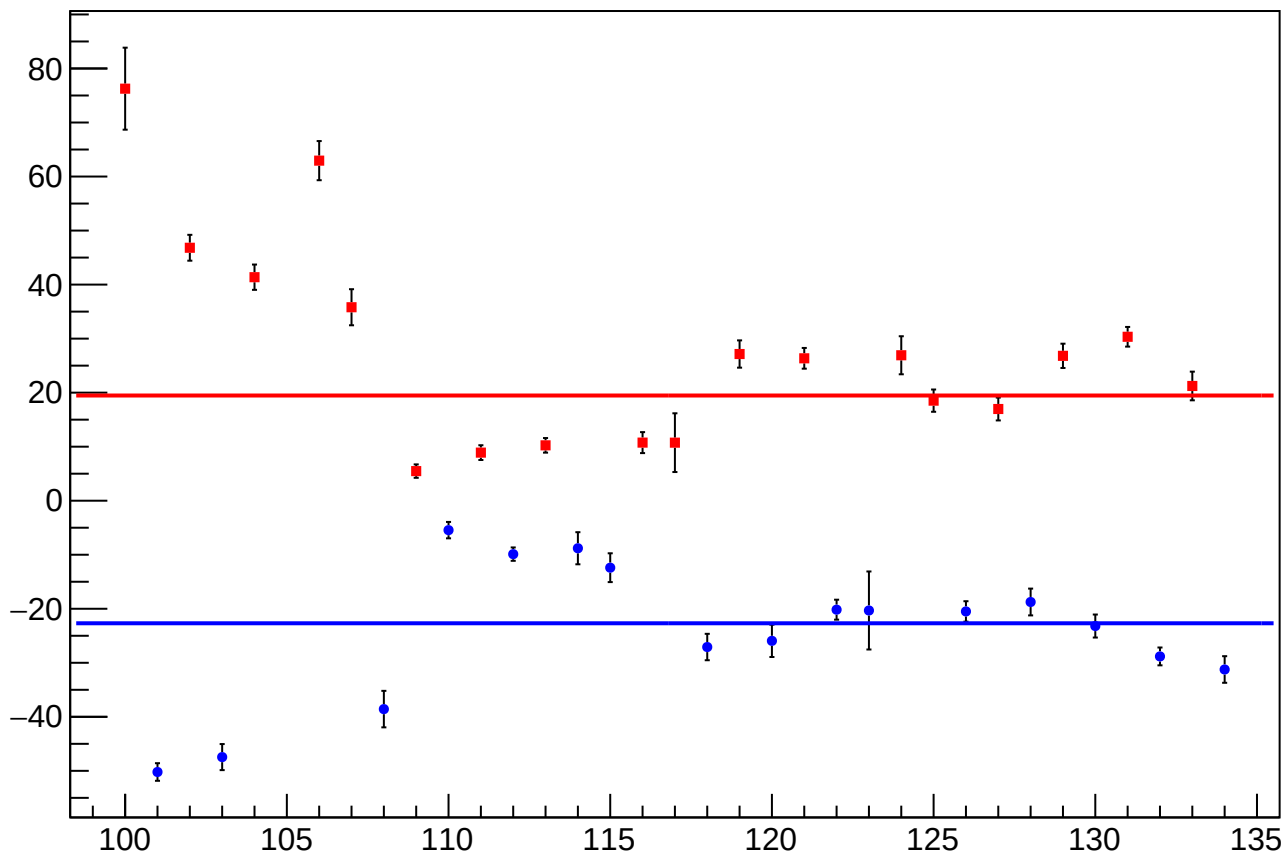
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.313+/-0.009  $\chi^2/\text{NDF}$ : 269.8/15

-0.014+/-0.007  $\chi^2/\text{NDF}$ : 2976.6/33

-0.351+/-0.009  $\chi^2/\text{NDF}$ : 185.0/17

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -22.686+/-0.515  $\chi^2/\text{NDF}$ : 722.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.471+/-0.489  $\chi^2/\text{NDF}$ : 773.1/17

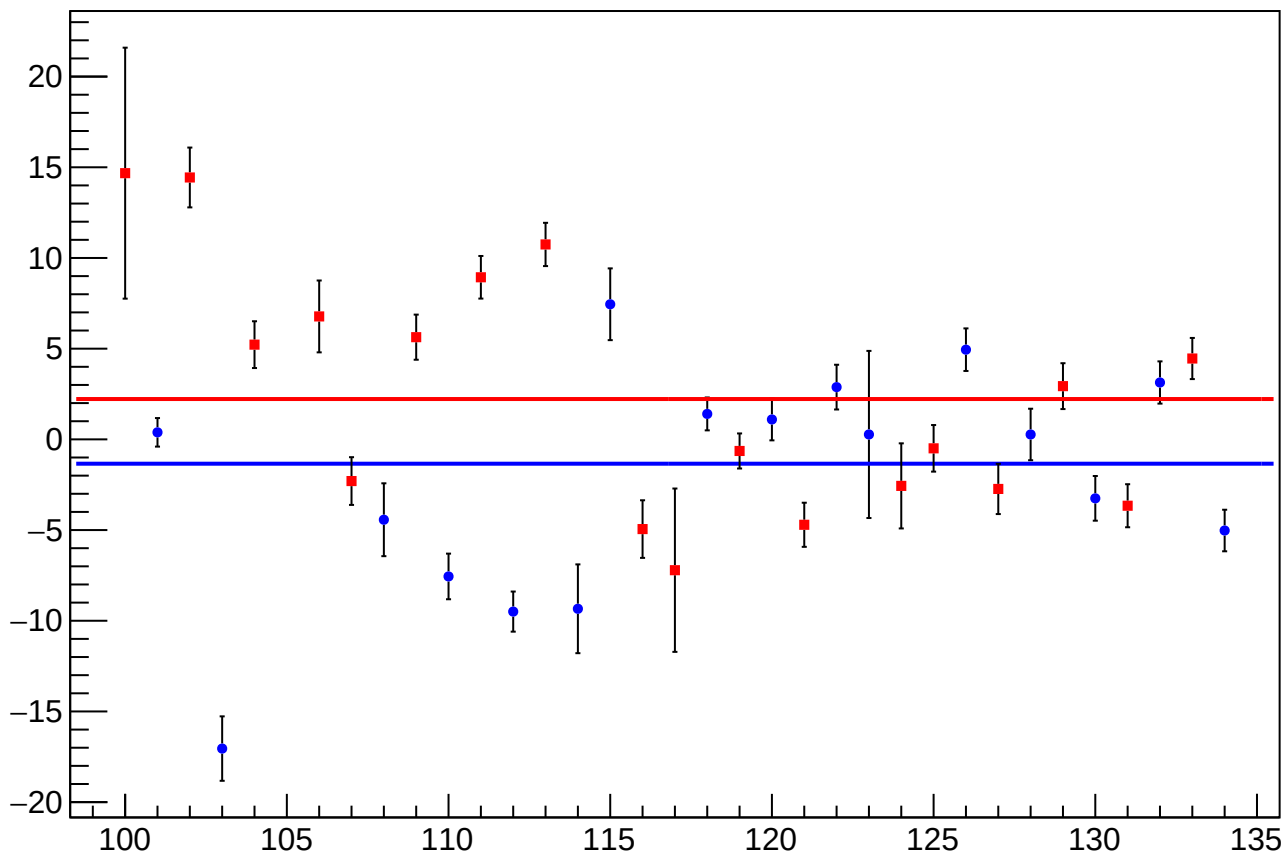
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-22.686+/-0.515  $\chi^2/\text{NDF}$ : 722.3/15

-0.502+/-0.355  $\chi^2/\text{NDF}$ : 5016.1/33

19.471+/-0.489  $\chi^2/\text{NDF}$ : 773.1/17

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -1.342 $\pm$ 0.315  $\chi^2$ /NDF: 277.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.224 $\pm$ 0.324  $\chi^2$ /NDF: 288.1/17

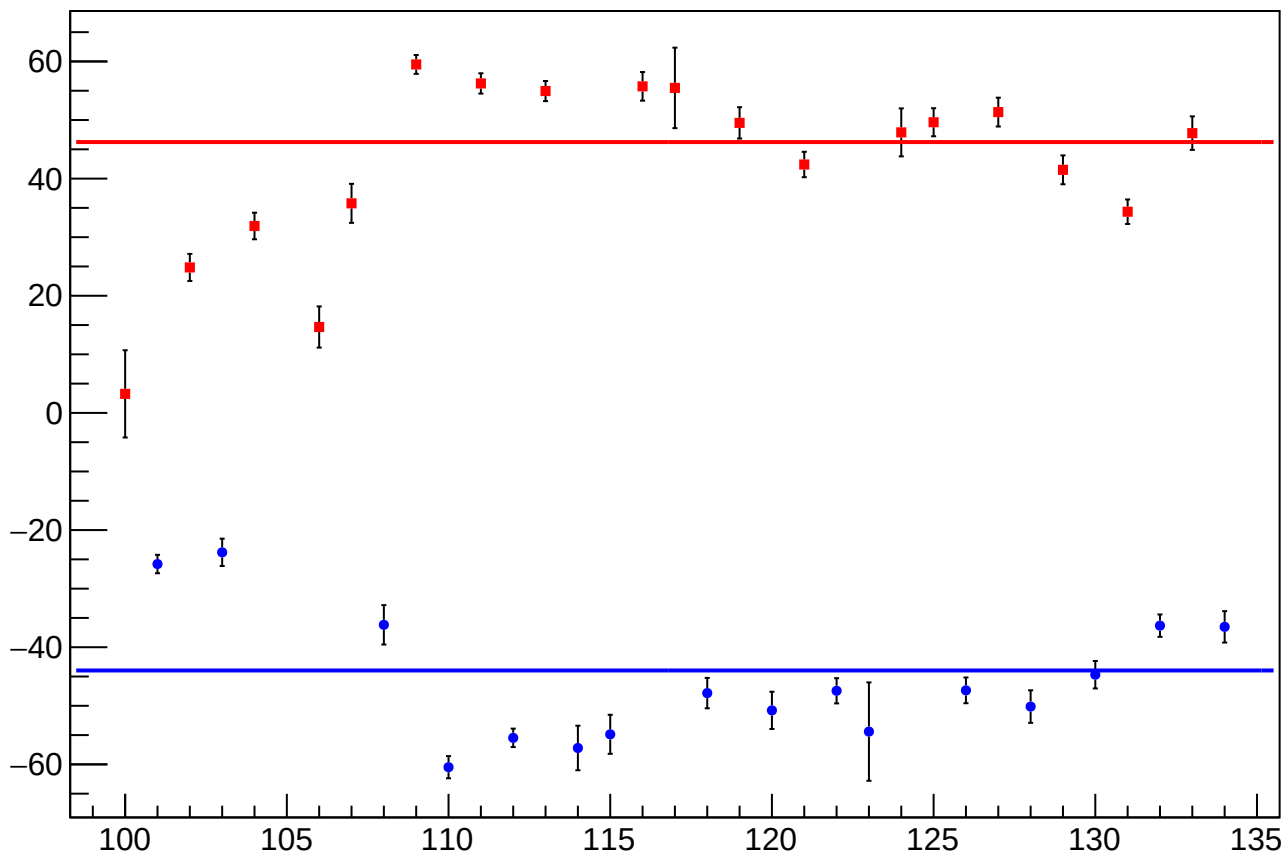
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-1.342 $\pm$ 0.315  $\chi^2$ /NDF: 277.6/15

0.387 $\pm$ 0.226  $\chi^2$ /NDF: 628.0/33

2.224 $\pm$ 0.324  $\chi^2$ /NDF: 288.1/17

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -43.969+/-0.584  $\chi^2/\text{NDF}$ : 408.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 46.239+/-0.569  $\chi^2/\text{NDF}$ : 441.1/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

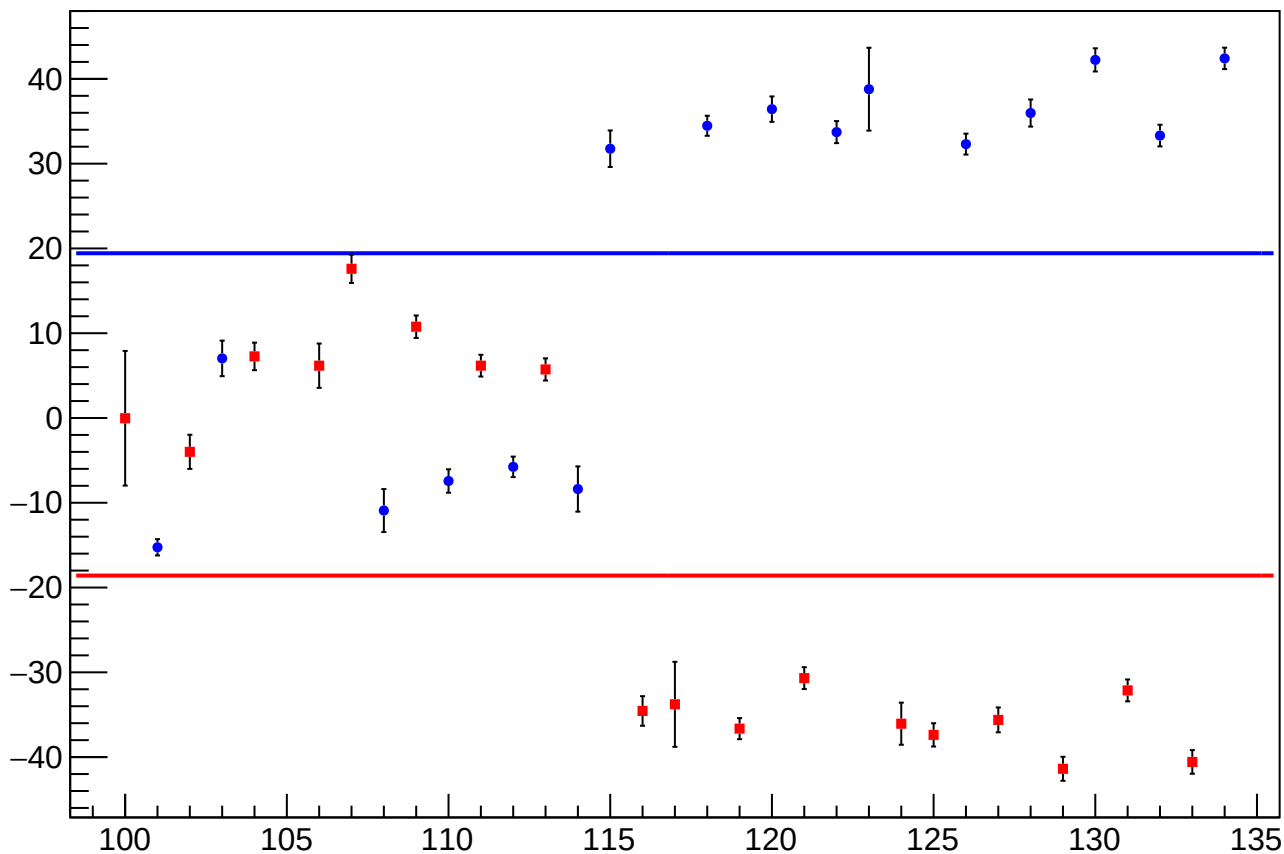
-43.969+/-0.584  $\chi^2/\text{NDF}$ : 408.3/15

2.315+/-0.408  $\chi^2/\text{NDF}$ : 13073.9/33

46.239+/-0.569  $\chi^2/\text{NDF}$ : 441.1/17



reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 19.432 $\pm$ 0.362  $\chi^2$ /NDF: 3804.9/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -18.589 $\pm$ 0.370  $\chi^2$ /NDF: 3458.2/17

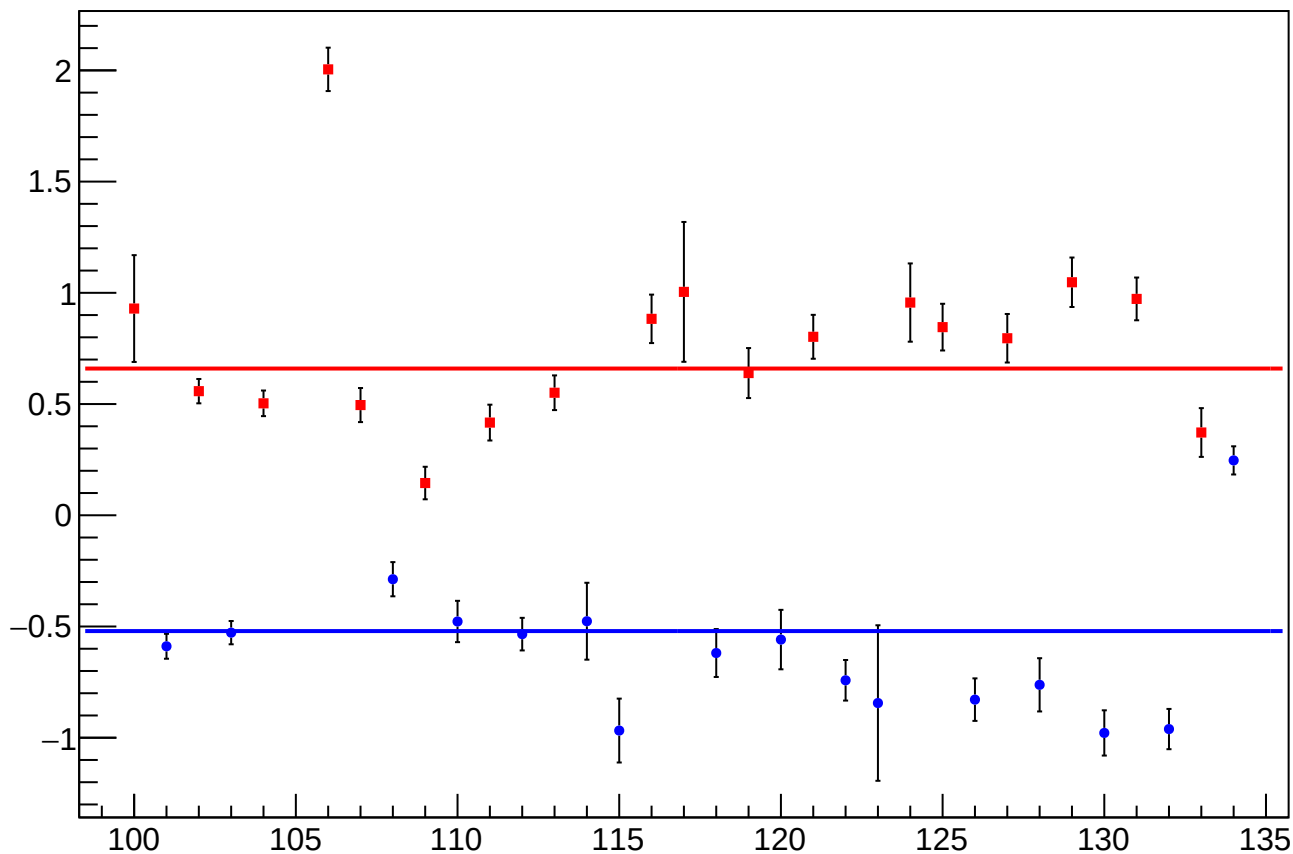
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

19.432 $\pm$ 0.362  $\chi^2$ /NDF: 3804.9/15

0.875 $\pm$ 0.259  $\chi^2$ /NDF: 12658.4/33

-18.589 $\pm$ 0.370  $\chi^2$ /NDF: 3458.2/17

reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.521+/-0.022  $\chi^2$ /NDF: 233.6/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.660+/-0.021  $\chi^2$ /NDF: 312.2/17

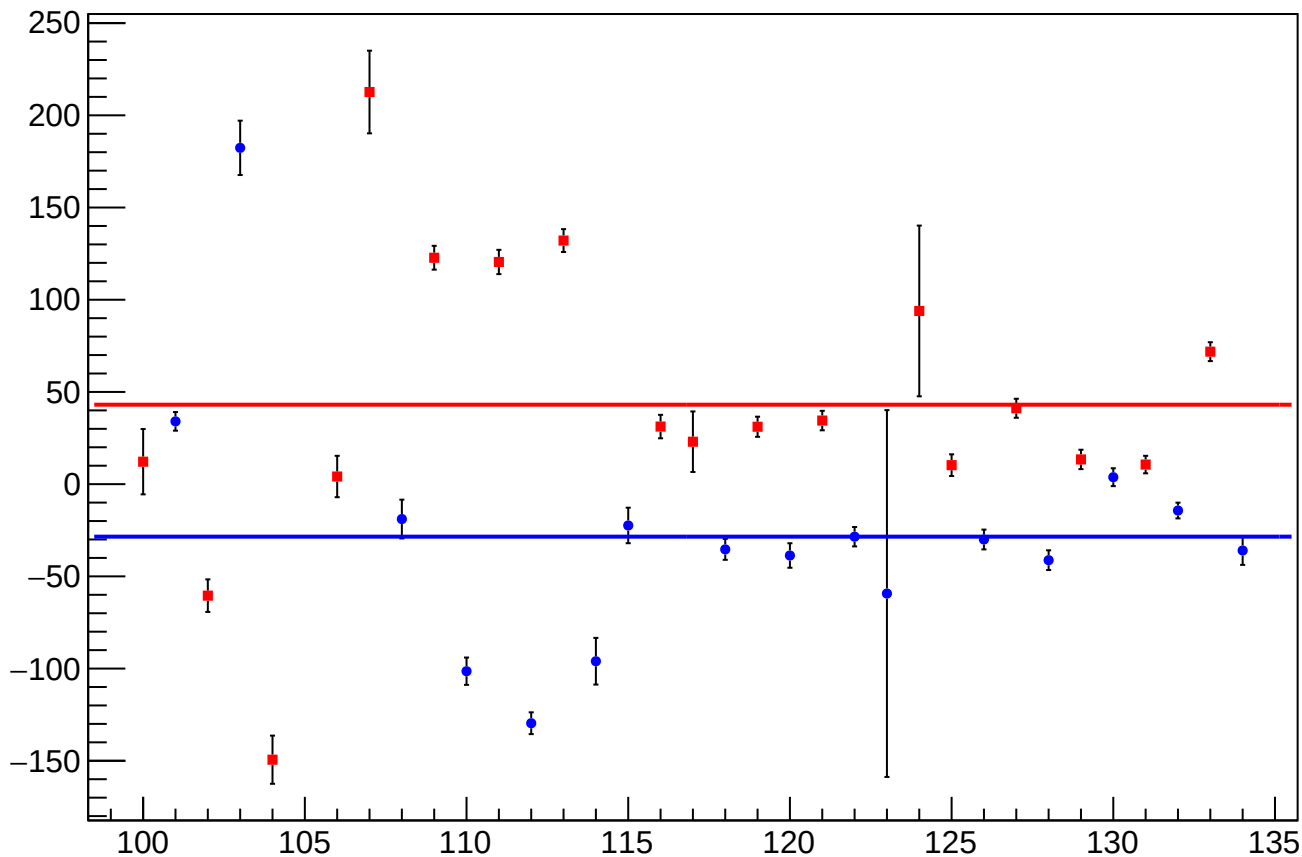
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-0.521+/-0.022  $\chi^2$ /NDF: 233.6/15

0.074+/-0.015  $\chi^2$ /NDF: 2058.8/33

0.660+/-0.021  $\chi^2$ /NDF: 312.2/17

reg\_asym\_atl1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -28.466 $\pm$ 1.601  $\chi^2$ /NDF: 843.7/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 43.083 $\pm$ 1.604  $\chi^2$ /NDF: 1079.0/17

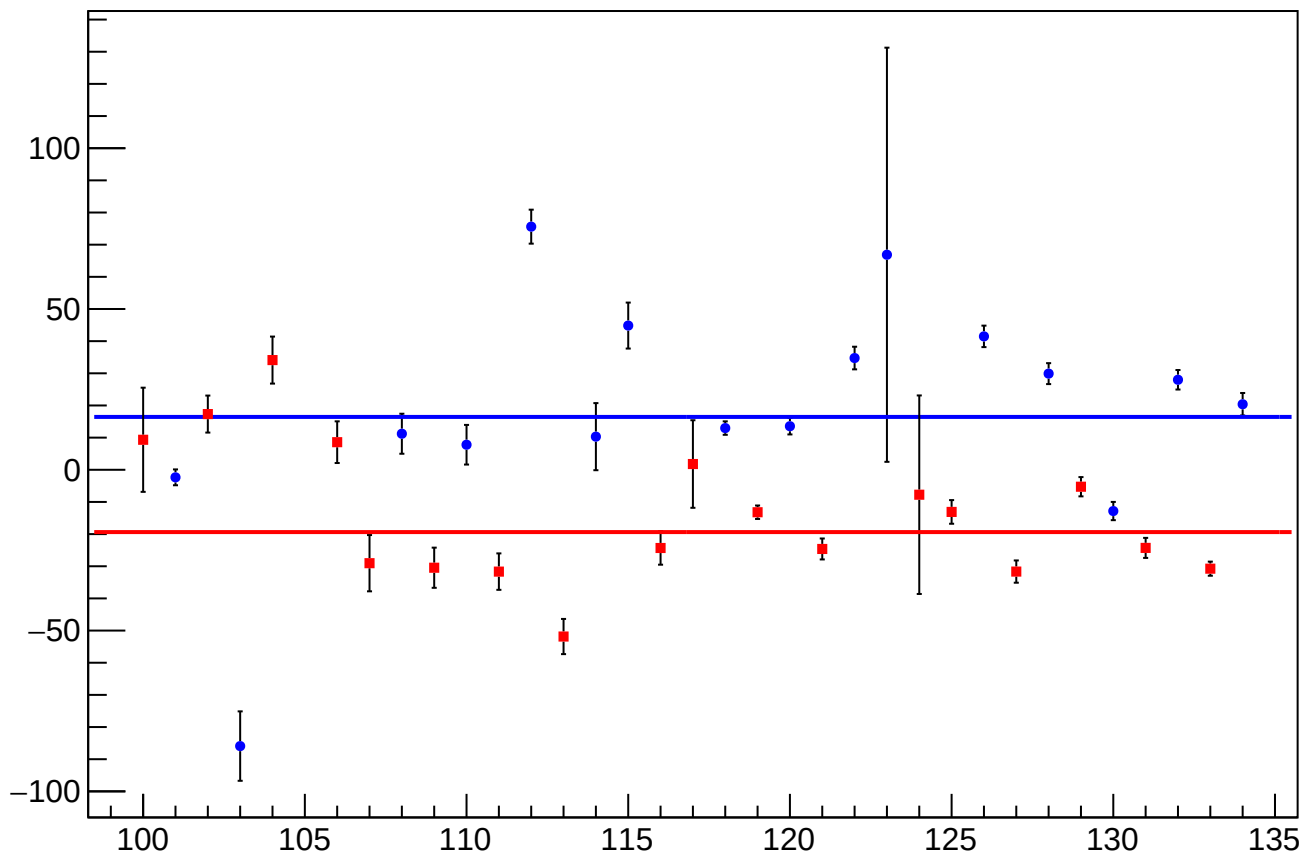
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-28.466 $\pm$ 1.601  $\chi^2$ /NDF: 843.7/15

7.224 $\pm$ 1.133  $\chi^2$ /NDF: 2919.4/33

43.083 $\pm$ 1.604  $\chi^2$ /NDF: 1079.0/17

reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $16.439 \pm 0.894$   $\chi^2/\text{NDF}$ : 519.6/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-19.373 \pm 0.943$   $\chi^2/\text{NDF}$ : 242.1/17

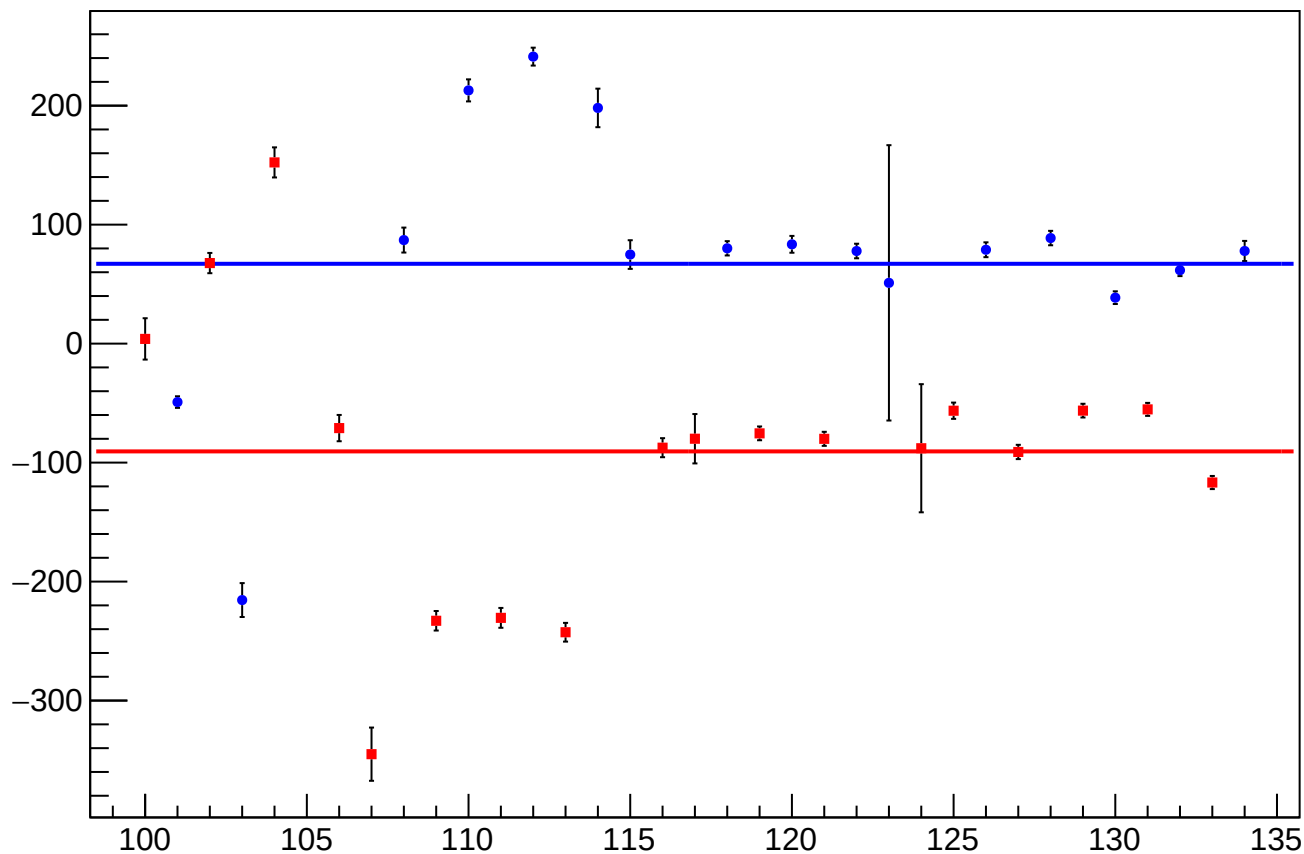
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$16.439 \pm 0.894$   $\chi^2/\text{NDF}$ : 519.6/15

$-0.528 \pm 0.649$   $\chi^2/\text{NDF}$ : 1521.2/33

$-19.373 \pm 0.943$   $\chi^2/\text{NDF}$ : 242.1/17

reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 67.093+/-1.786  $\chi^2$ /NDF: 1876.9/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -90.585+/-1.822  $\chi^2$ /NDF: 1965.7/17

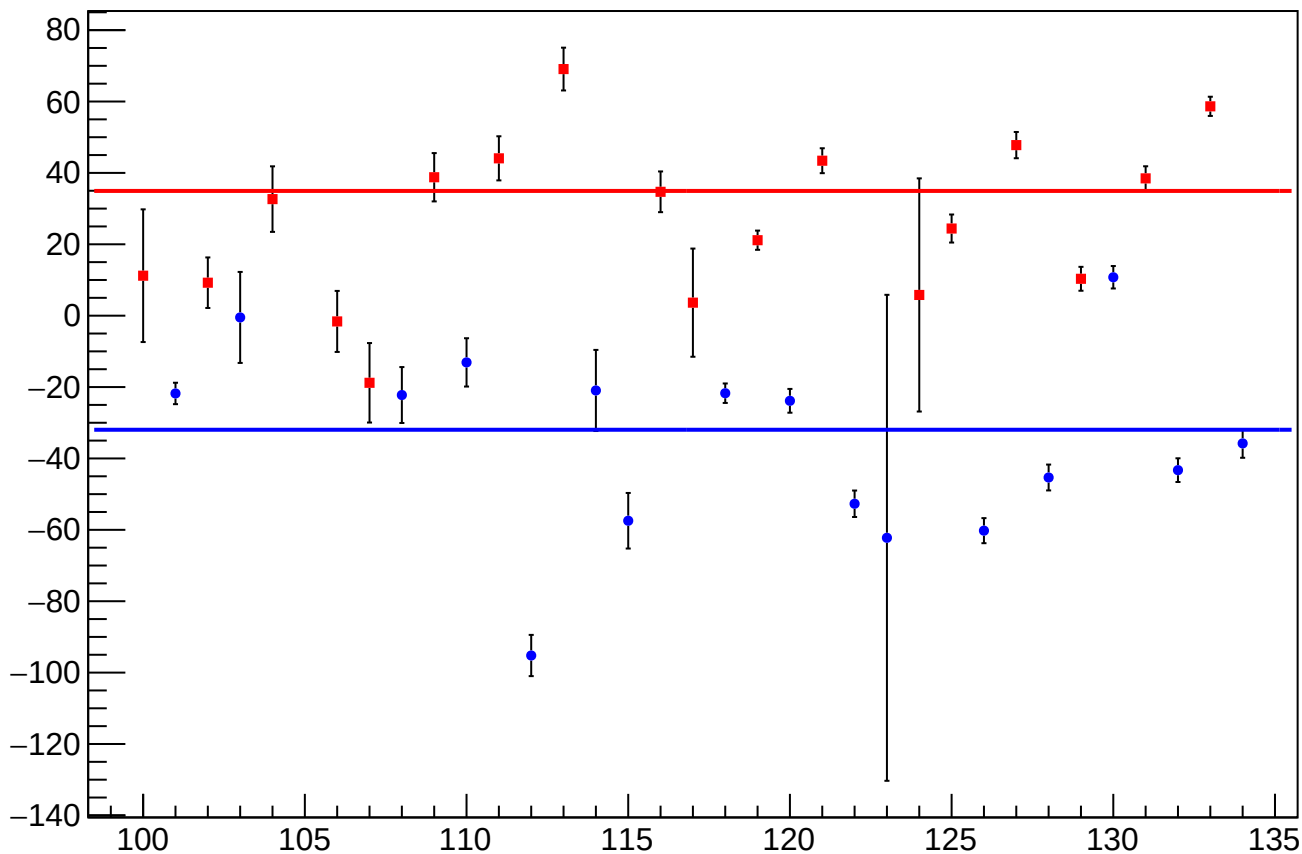
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

67.093+/-1.786  $\chi^2$ /NDF: 1876.9/15

-10.164+/-1.275  $\chi^2$ /NDF: 7663.5/33

-90.585+/-1.822  $\chi^2$ /NDF: 1965.7/17

reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-31.960 \pm 1.044$   $\chi^2/\text{NDF}: 485.6/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $34.950 \pm 1.090$   $\chi^2/\text{NDF}: 280.8/17$

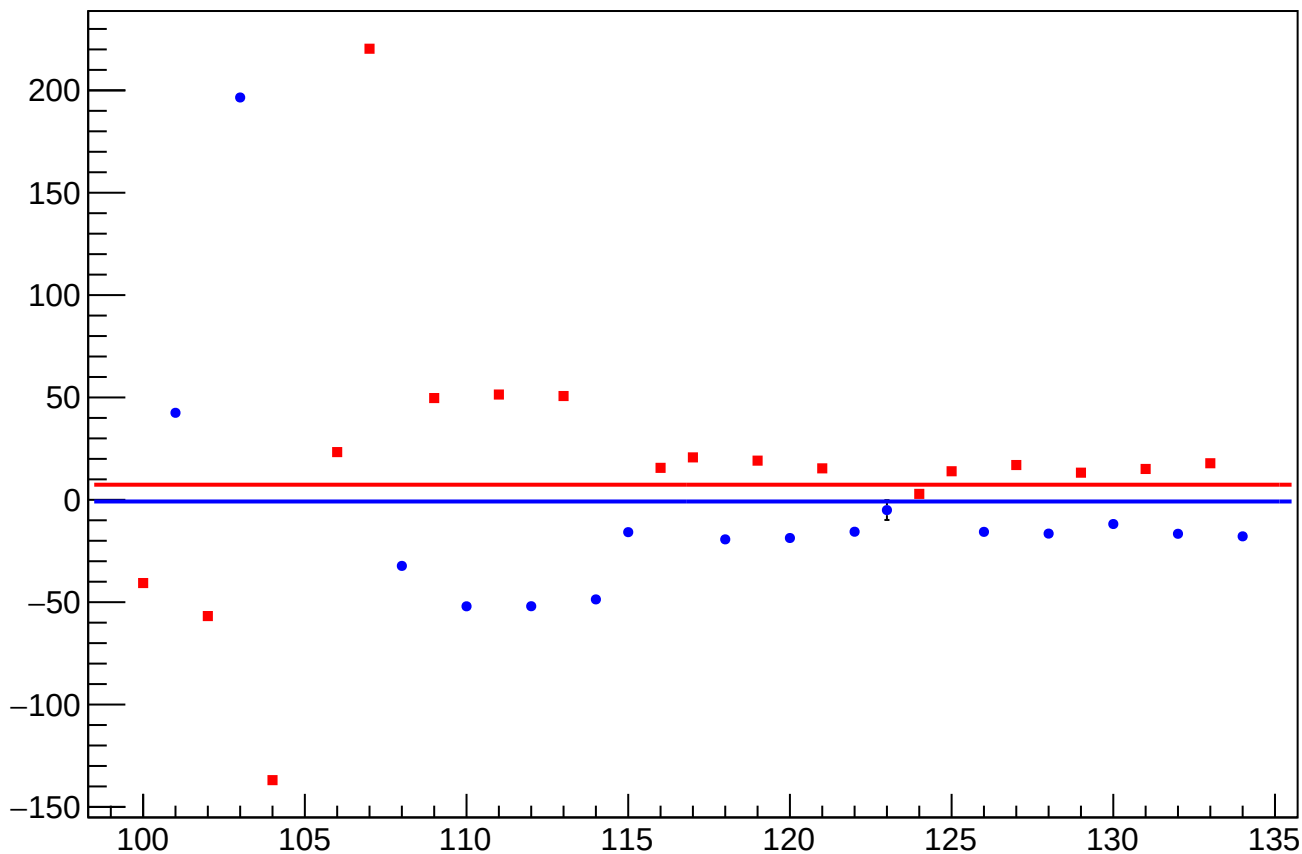
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-31.960 \pm 1.044$   $\chi^2/\text{NDF}: 485.6/15$

$0.052 \pm 0.754$   $\chi^2/\text{NDF}: 2731.7/33$

$34.950 \pm 1.090$   $\chi^2/\text{NDF}: 280.8/17$

reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.812 \pm 0.070$   $\chi^2/\text{NDF}$ : 531009.9/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $7.381 \pm 0.072$   $\chi^2/\text{NDF}$ : 533827.2/17

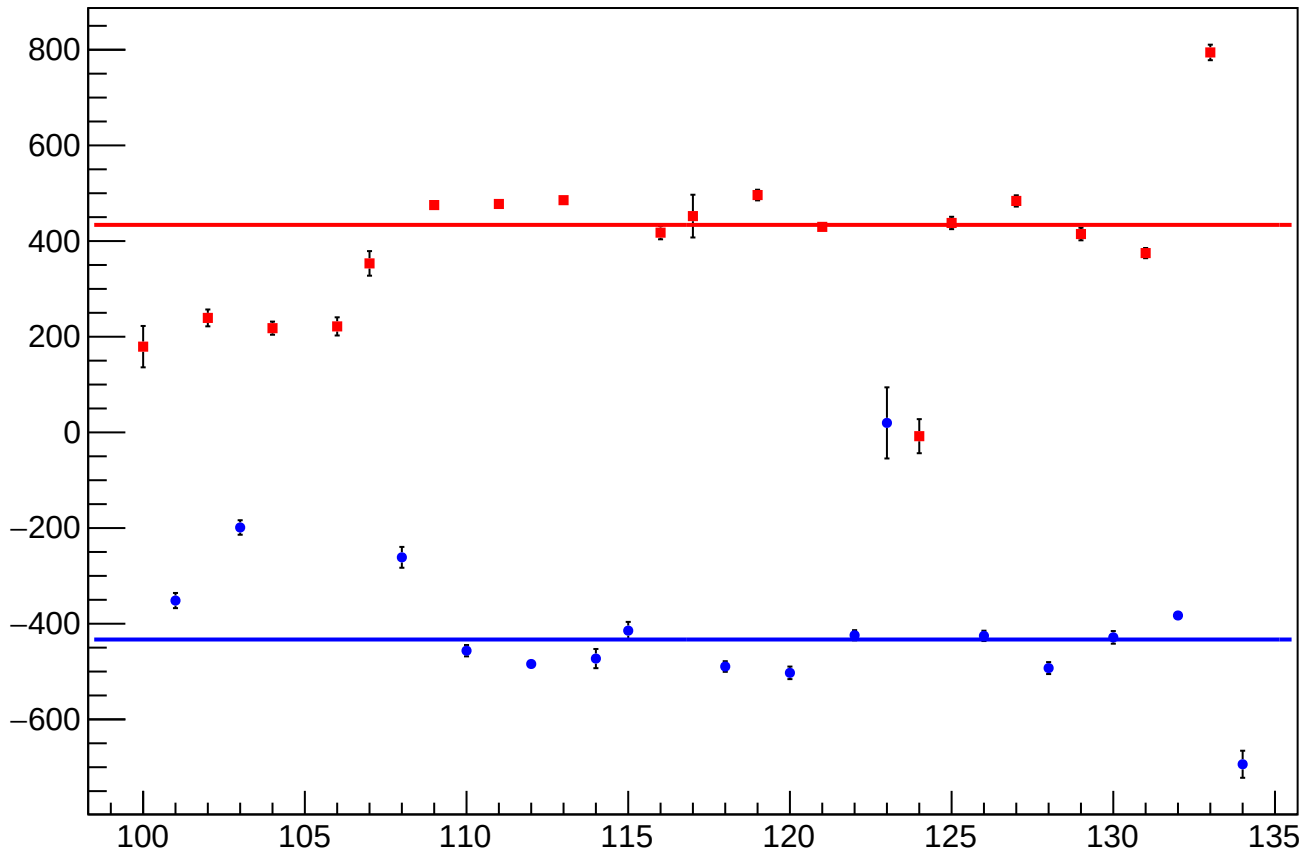
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.812 \pm 0.070$   $\chi^2/\text{NDF}$ : 531009.9/15

$3.167 \pm 0.050$   $\chi^2/\text{NDF}$ : 1071546.6/33

$7.381 \pm 0.072$   $\chi^2/\text{NDF}$ : 533827.2/17

reg\_asym\_atl2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -433.014+/-3.296  $\chi^2$ /NDF: 597.8/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 433.841+/-3.151  $\chi^2$ /NDF: 1337.1/17

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

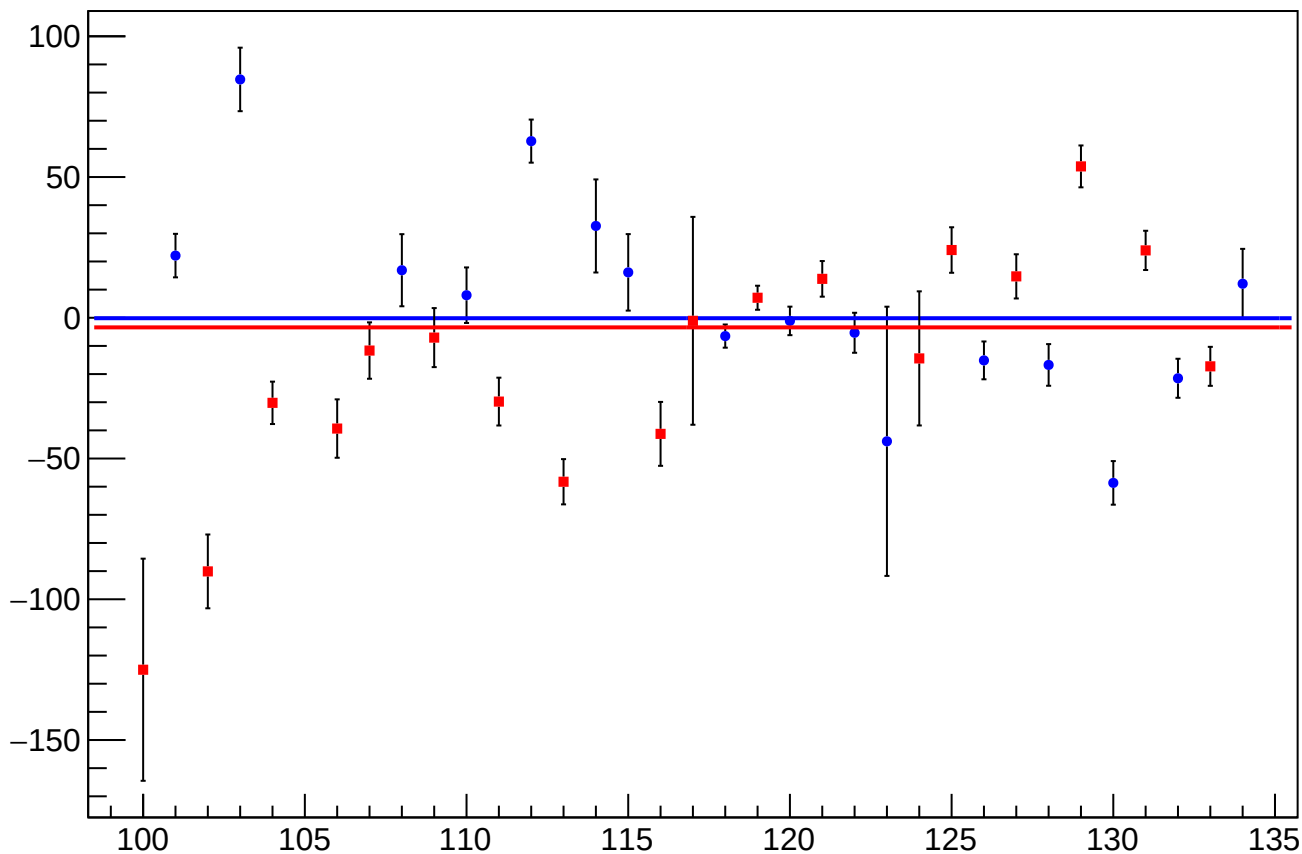
-433.014+/-3.296  $\chi^2$ /NDF: 597.8/15

19.896+/-2.278  $\chi^2$ /NDF: 38077.3/33

433.841+/-3.151  $\chi^2$ /NDF: 1337.1/17



reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.153 \pm 1.925$   $\chi^2/\text{NDF}$ : 221.5/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.411 \pm 1.951$   $\chi^2/\text{NDF}$ : 255.0/17

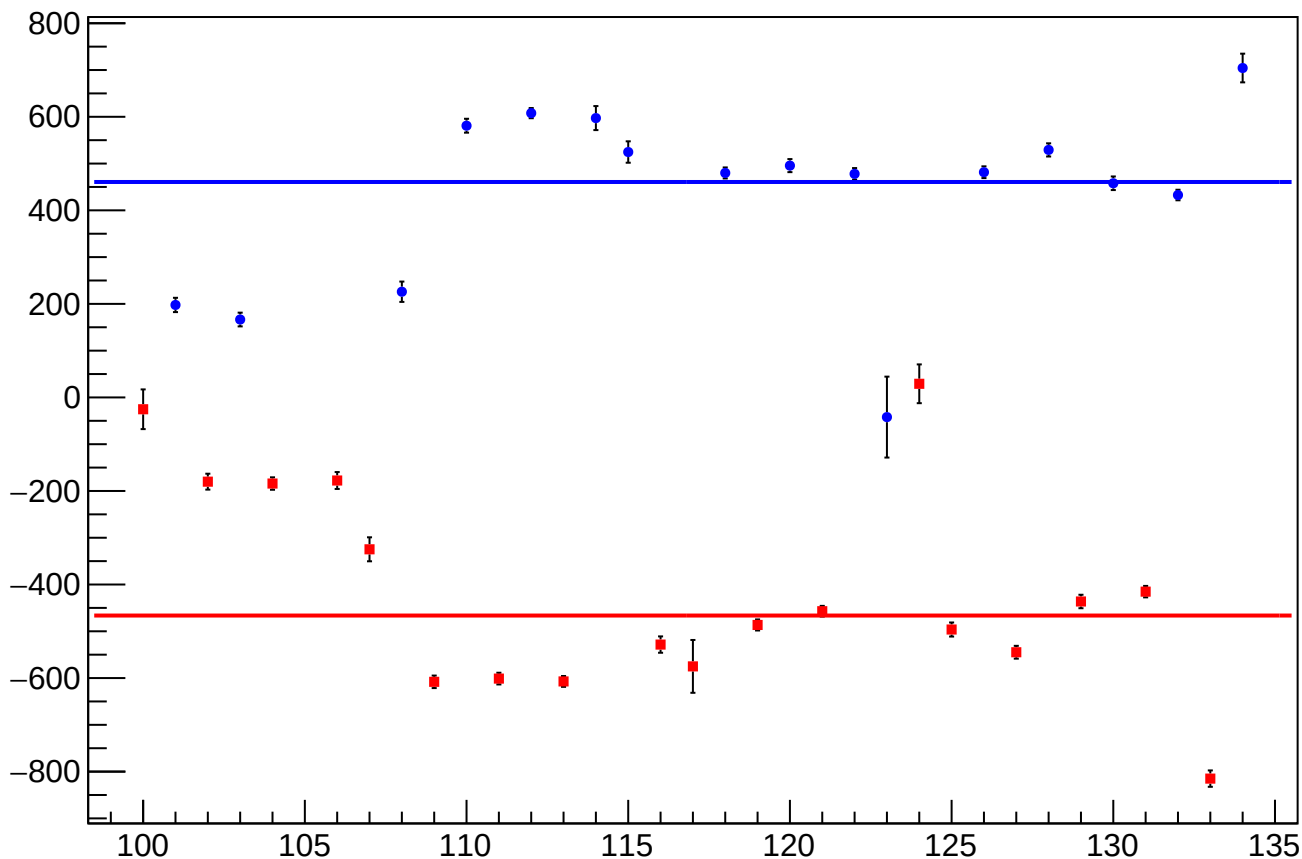
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.153 \pm 1.925$   $\chi^2/\text{NDF}$ : 221.5/15

$-1.761 \pm 1.370$   $\chi^2/\text{NDF}$ : 477.9/33

$-3.411 \pm 1.951$   $\chi^2/\text{NDF}$ : 255.0/17

reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 460.620+/-3.741  $\chi^2/\text{NDF}$ : 1238.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -466.320+/-3.600  $\chi^2/\text{NDF}$ : 2121.9/17

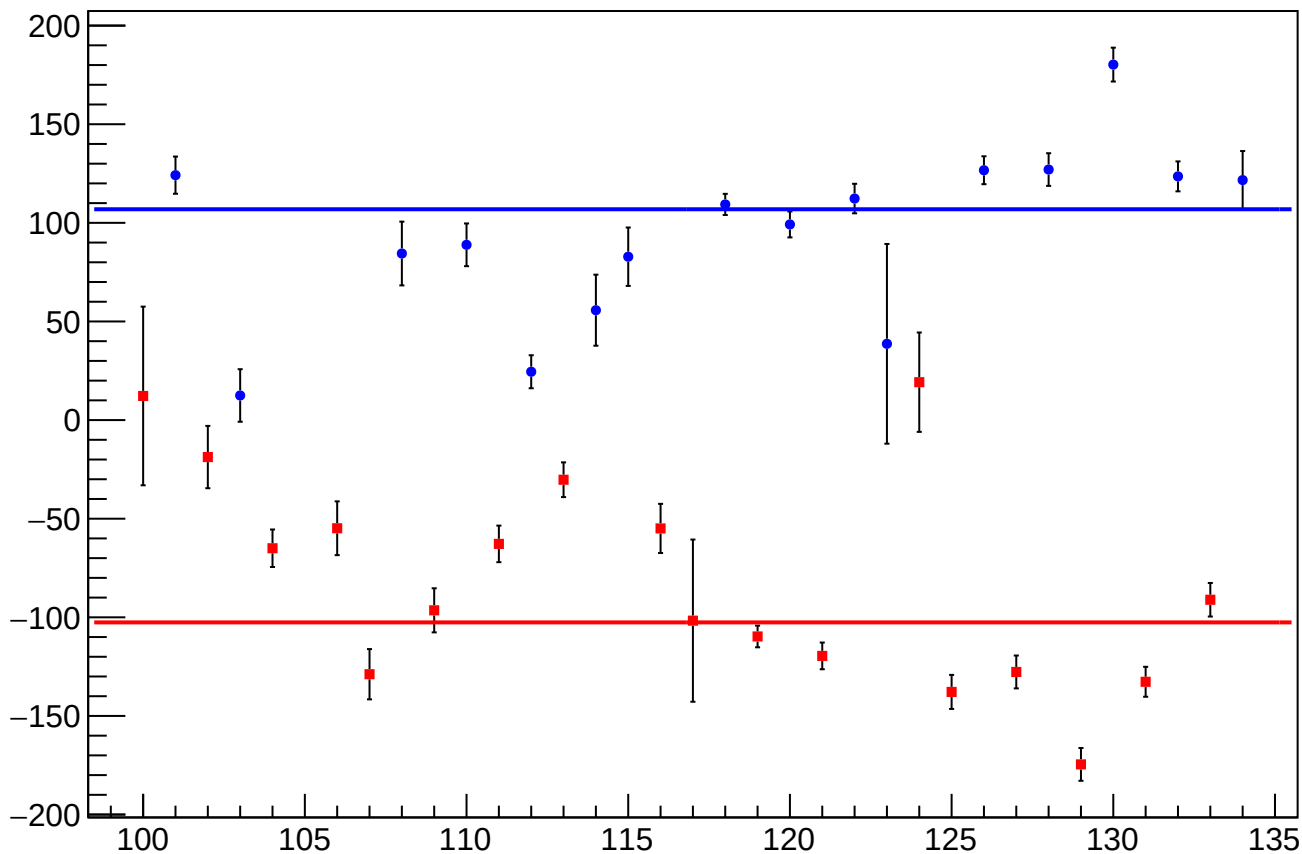
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

460.620+/-3.741  $\chi^2/\text{NDF}$ : 1238.3/15

-20.750+/-2.594  $\chi^2/\text{NDF}$ : 35235.6/33

-466.320+/-3.600  $\chi^2/\text{NDF}$ : 2121.9/17

reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 106.883+/-2.251  $\chi^2/\text{NDF}$ : 262.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -102.573+/-2.255  $\chi^2/\text{NDF}$ : 317.1/17

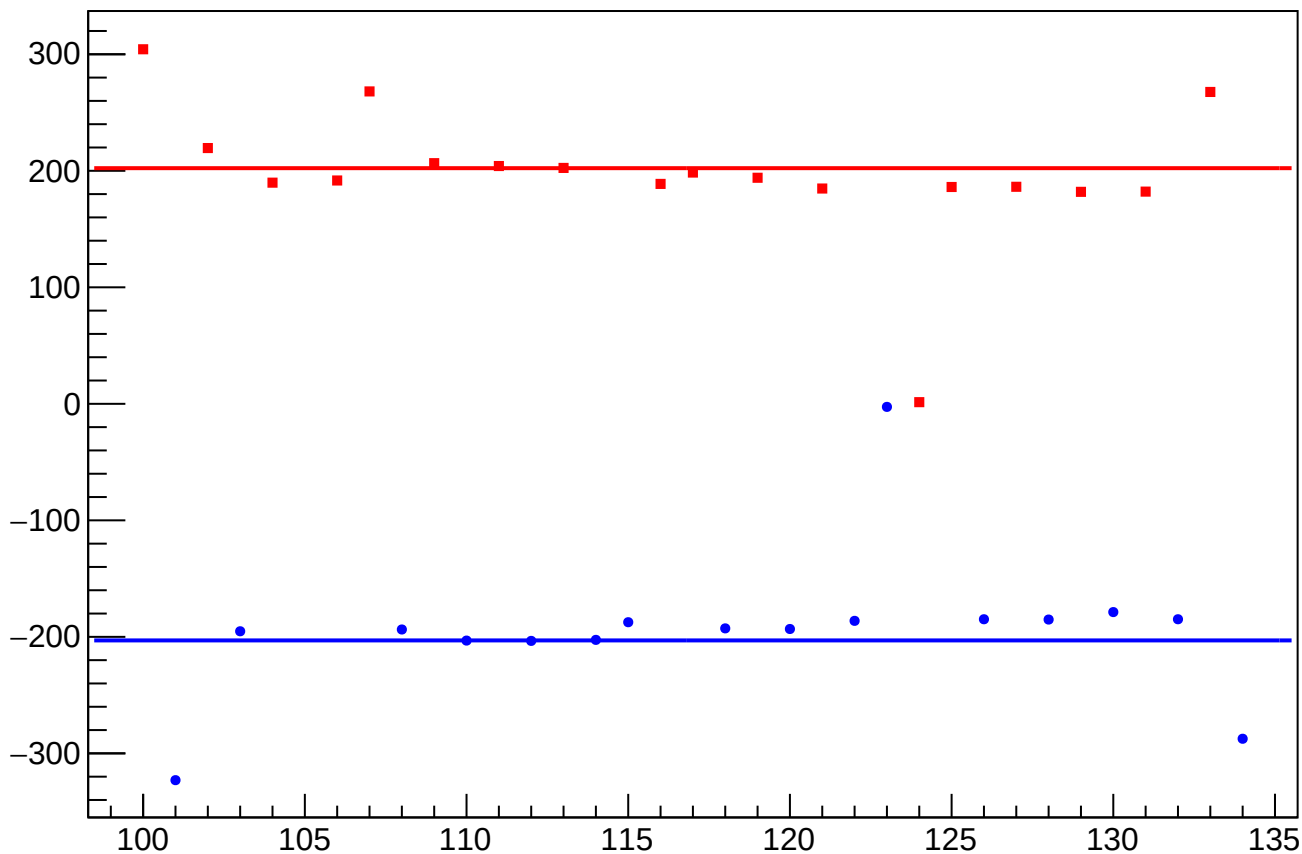
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

106.883+/-2.251  $\chi^2/\text{NDF}$ : 262.4/15

2.368+/-1.593  $\chi^2/\text{NDF}$ : 4900.6/33

-102.573+/-2.255  $\chi^2/\text{NDF}$ : 317.1/17

reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -203.054+/-0.144  $\chi^2$ /NDF: 67242.0/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 202.256+/-0.136  $\chi^2$ /NDF: 49210.5/17

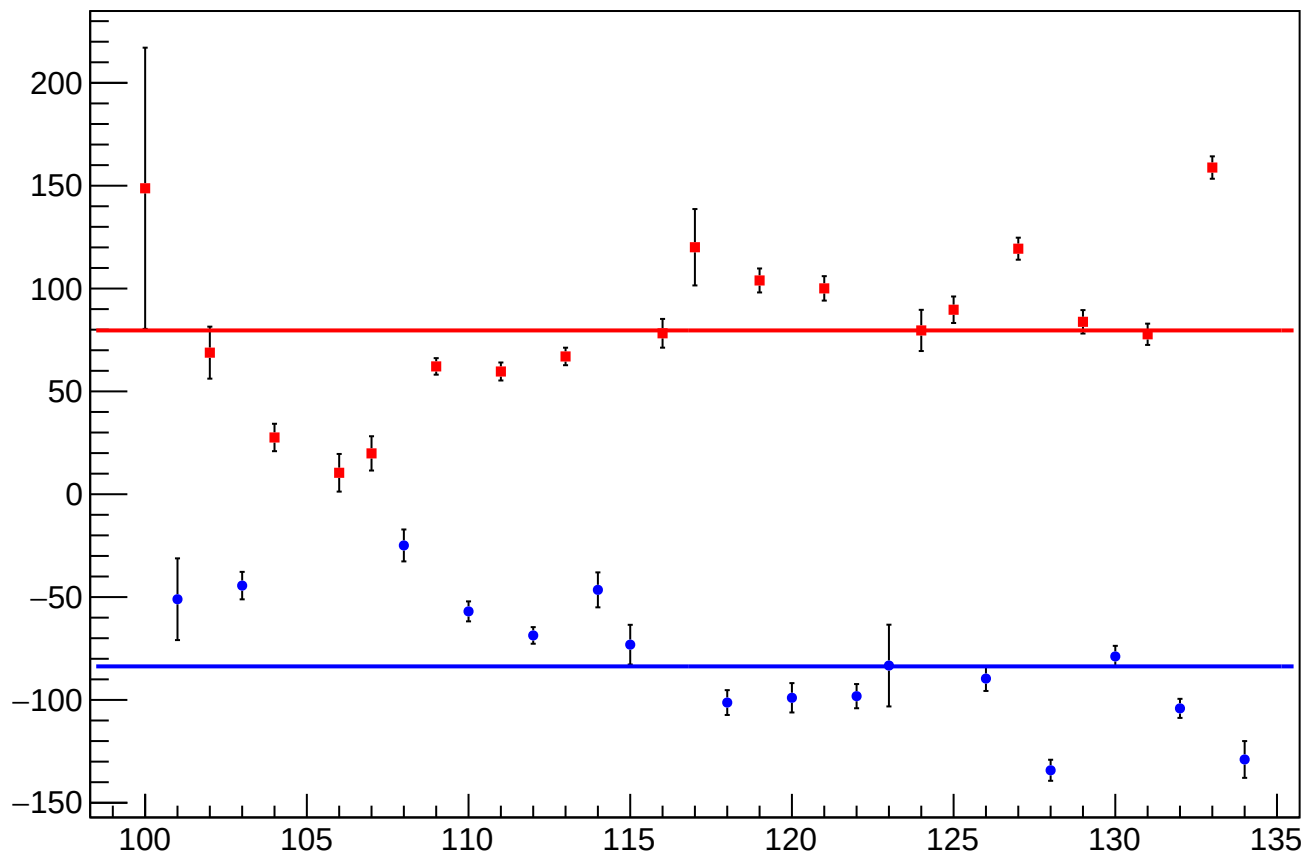
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-203.054+/-0.144  $\chi^2$ /NDF: 67242.0/15

10.979+/-0.099  $\chi^2$ /NDF: 4293167.9/33

202.256+/-0.136  $\chi^2$ /NDF: 49210.5/17

reg\_asym\_atr1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -83.693+/-1.560  $\chi^2/\text{NDF}$ : 322.7/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 79.637+/-1.448  $\chi^2/\text{NDF}$ : 523.4/17

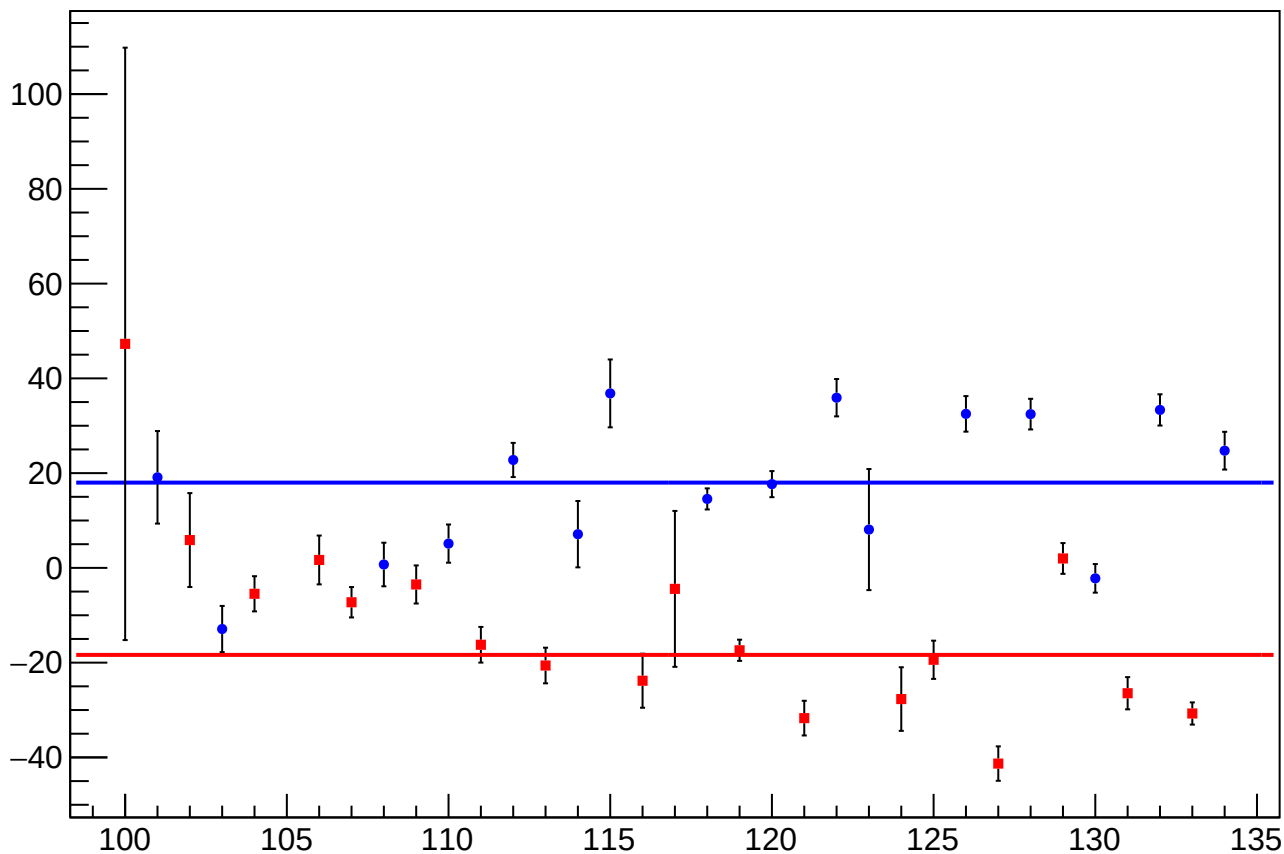
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-83.693+/-1.560  $\chi^2/\text{NDF}$ : 322.7/15

4.037+/-1.061  $\chi^2/\text{NDF}$ : 6732.7/33

79.637+/-1.448  $\chi^2/\text{NDF}$ : 523.4/17

reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 17.998 $\pm$ 0.948  $\chi^2$ /NDF: 203.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -18.364 $\pm$ 0.893  $\chi^2$ /NDF: 190.4/17

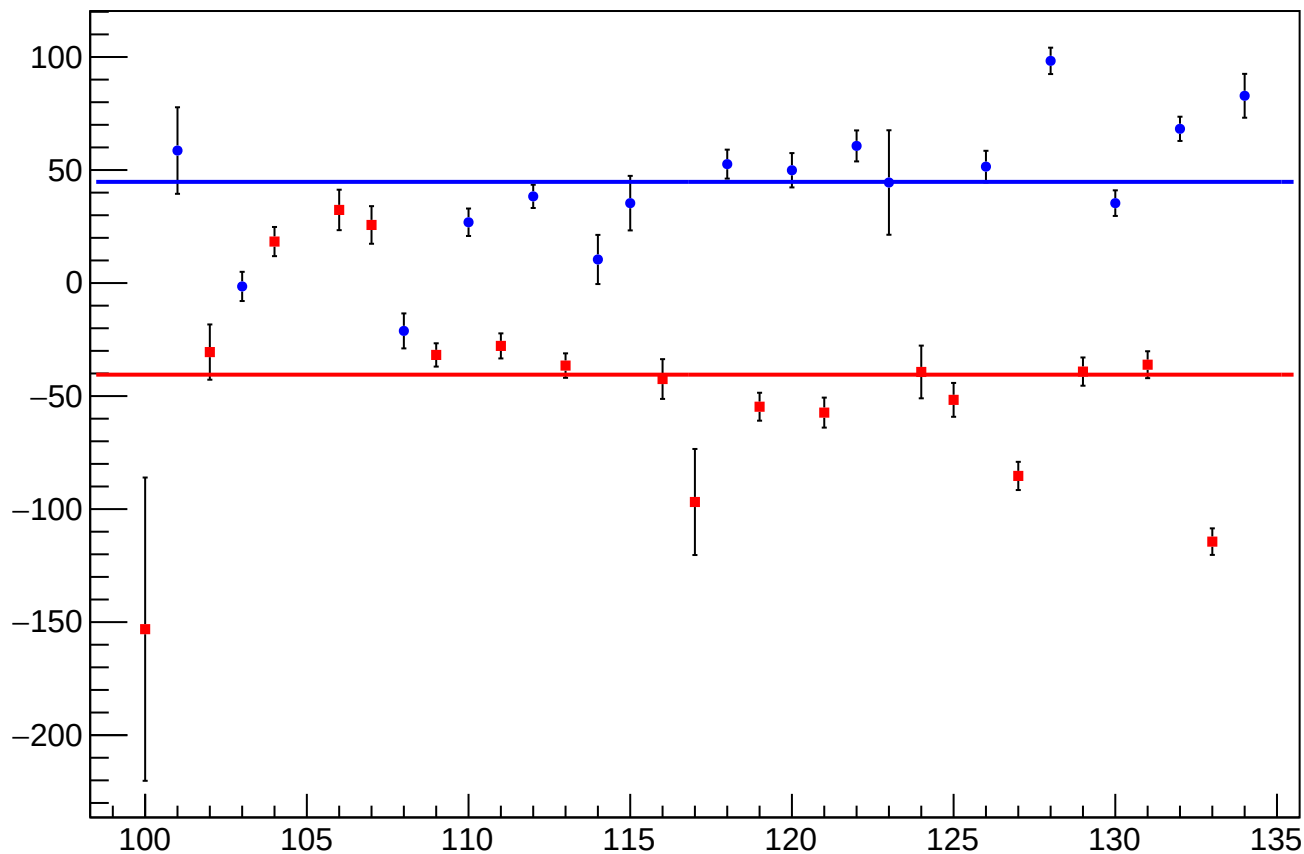
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

17.998 $\pm$ 0.948  $\chi^2$ /NDF: 203.6/15

-1.256 $\pm$ 0.650  $\chi^2$ /NDF: 1173.6/33

-18.364 $\pm$ 0.893  $\chi^2$ /NDF: 190.4/17

reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 44.762+/-1.782  $\chi^2/\text{NDF}$ : 275.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -40.528+/-1.668  $\chi^2/\text{NDF}$ : 455.1/17

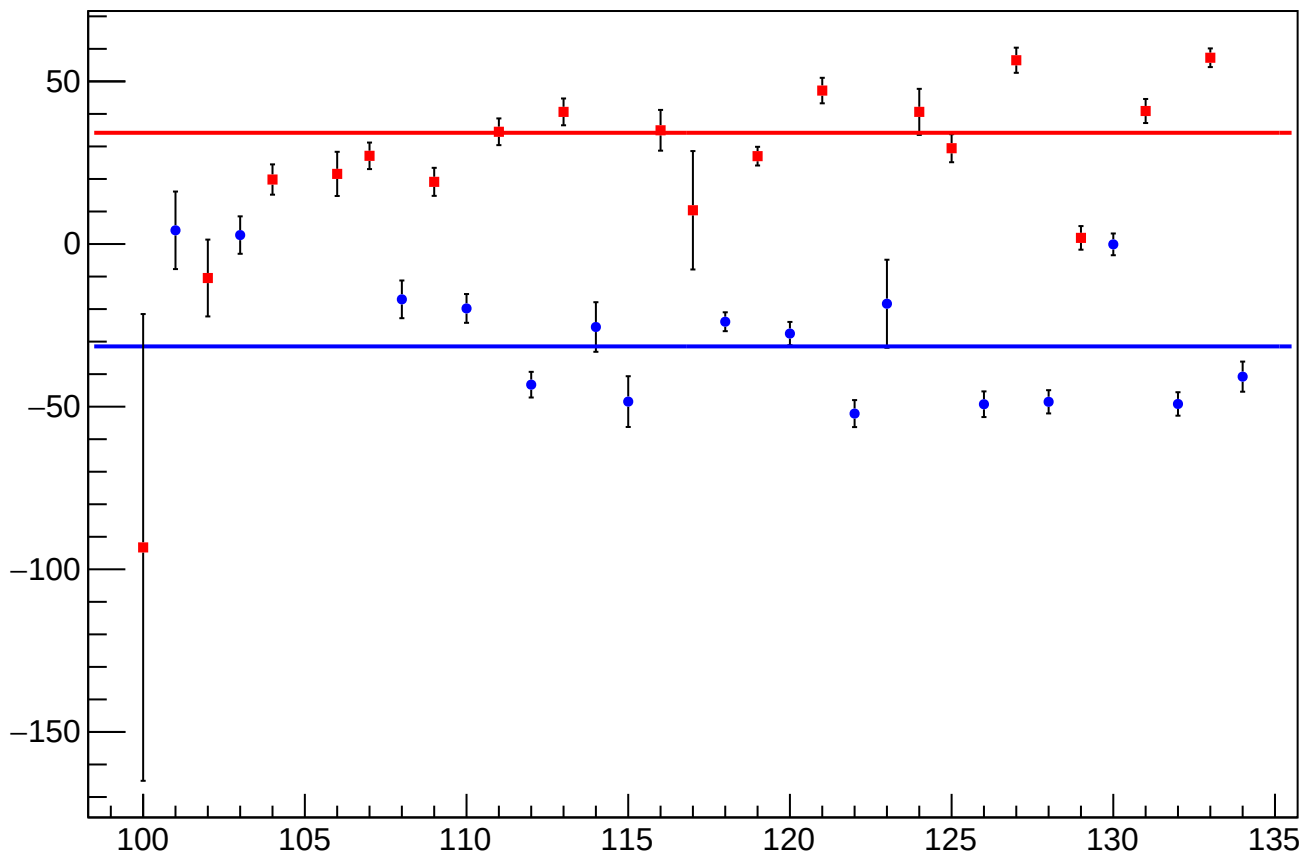
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

44.762+/-1.782  $\chi^2/\text{NDF}$ : 275.0/15

-0.713+/-1.218  $\chi^2/\text{NDF}$ : 1951.1/33

-40.528+/-1.668  $\chi^2/\text{NDF}$ : 455.1/17

reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -31.473+/-1.096  $\chi^2/\text{NDF}$ : 264.6/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 34.198+/-1.035  $\chi^2/\text{NDF}$ : 249.5/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

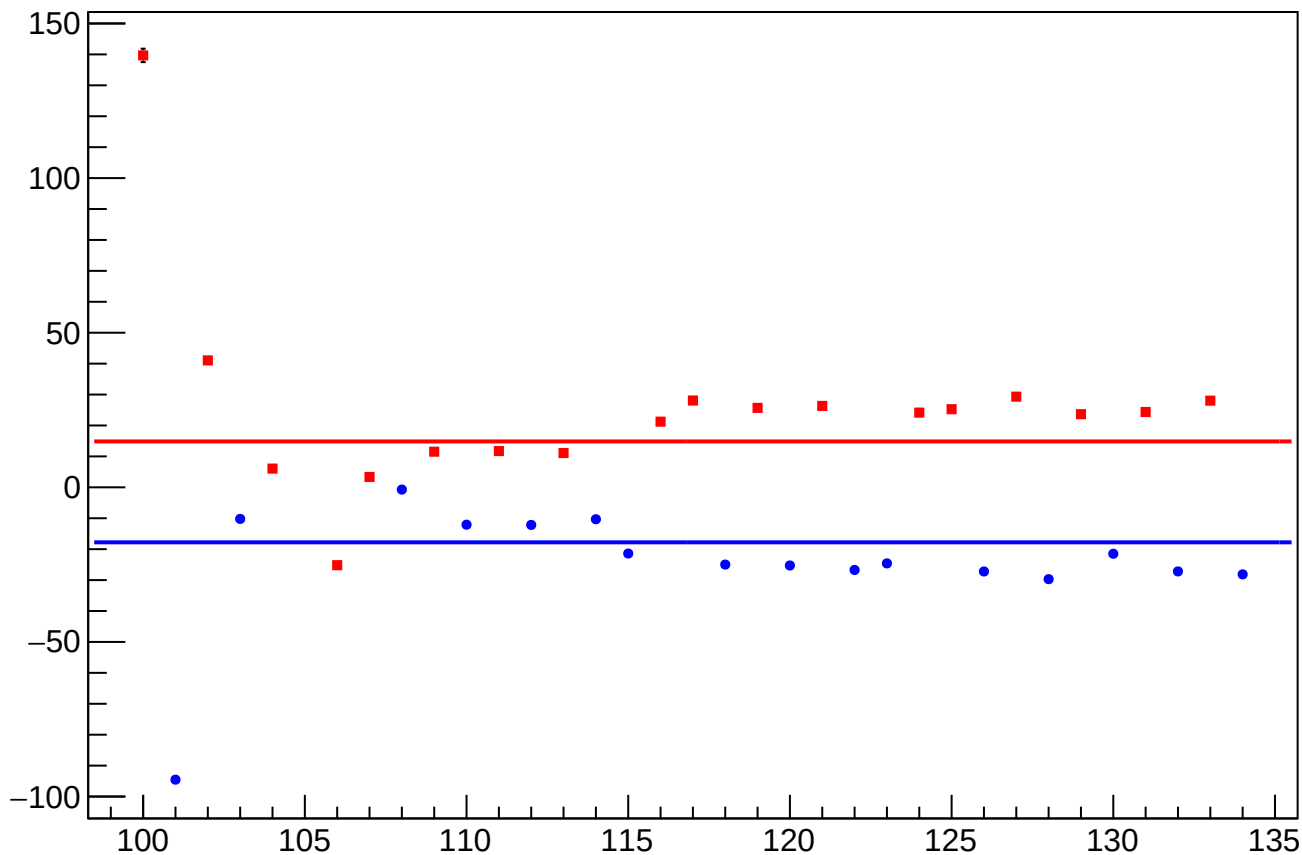
-31.473+/-1.096  $\chi^2/\text{NDF}$ : 264.6/15

3.248+/-0.753  $\chi^2/\text{NDF}$ : 2410.9/33

34.198+/-1.035  $\chi^2/\text{NDF}$ : 249.5/17



reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -17.789+/-0.066  $\chi^2/\text{NDF}$ : 34475.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.838+/-0.063  $\chi^2/\text{NDF}$ : 60353.9/17

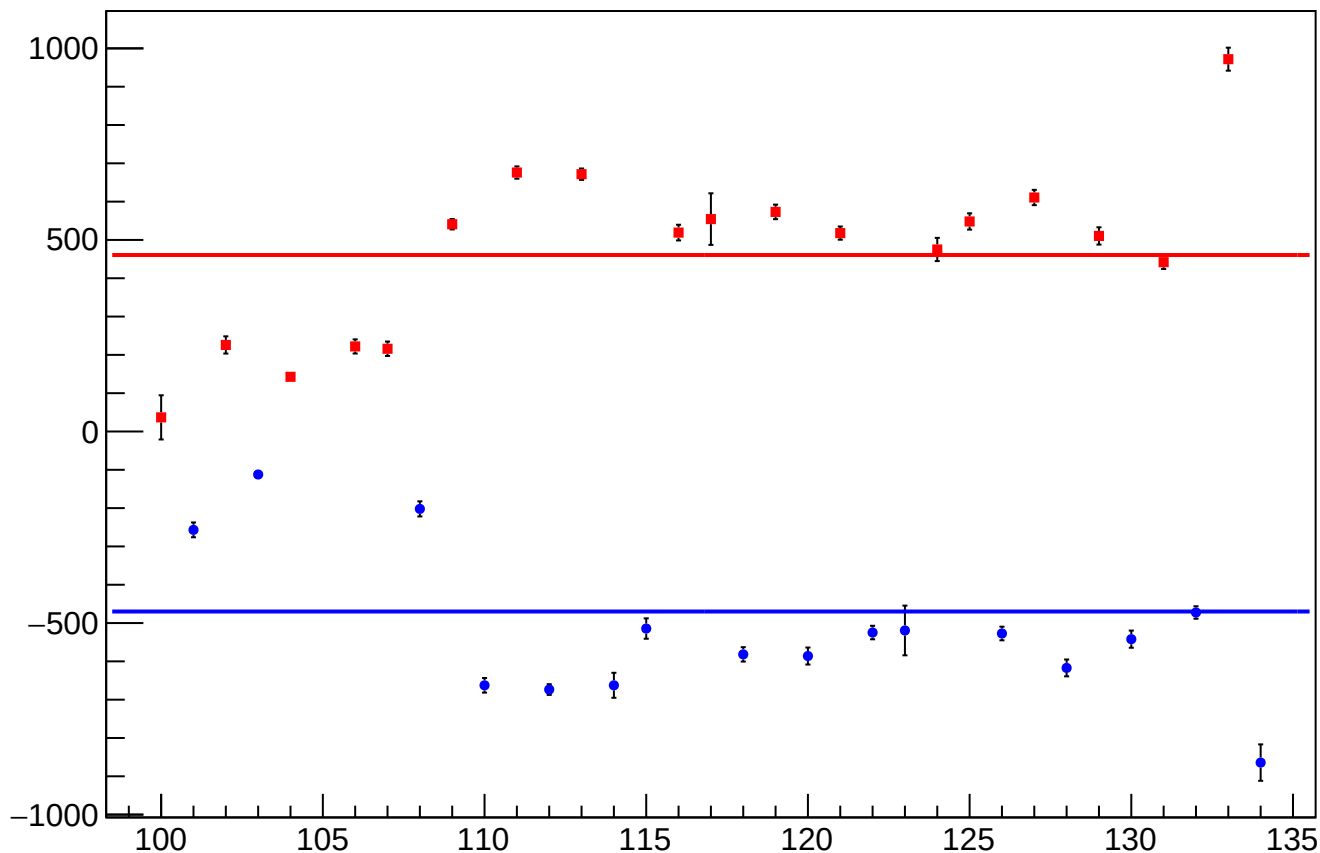
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-17.789+/-0.066  $\chi^2/\text{NDF}$ : 34475.4/15

-0.631+/-0.046  $\chi^2/\text{NDF}$ : 222691.3/33

14.838+/-0.063  $\chi^2/\text{NDF}$ : 60353.9/17

reg\_asym\_atr2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -469.867+/-4.933  $\chi^2/\text{NDF}$ : 1619.9/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 460.657+/-4.507  $\chi^2/\text{NDF}$ : 2009.0/17

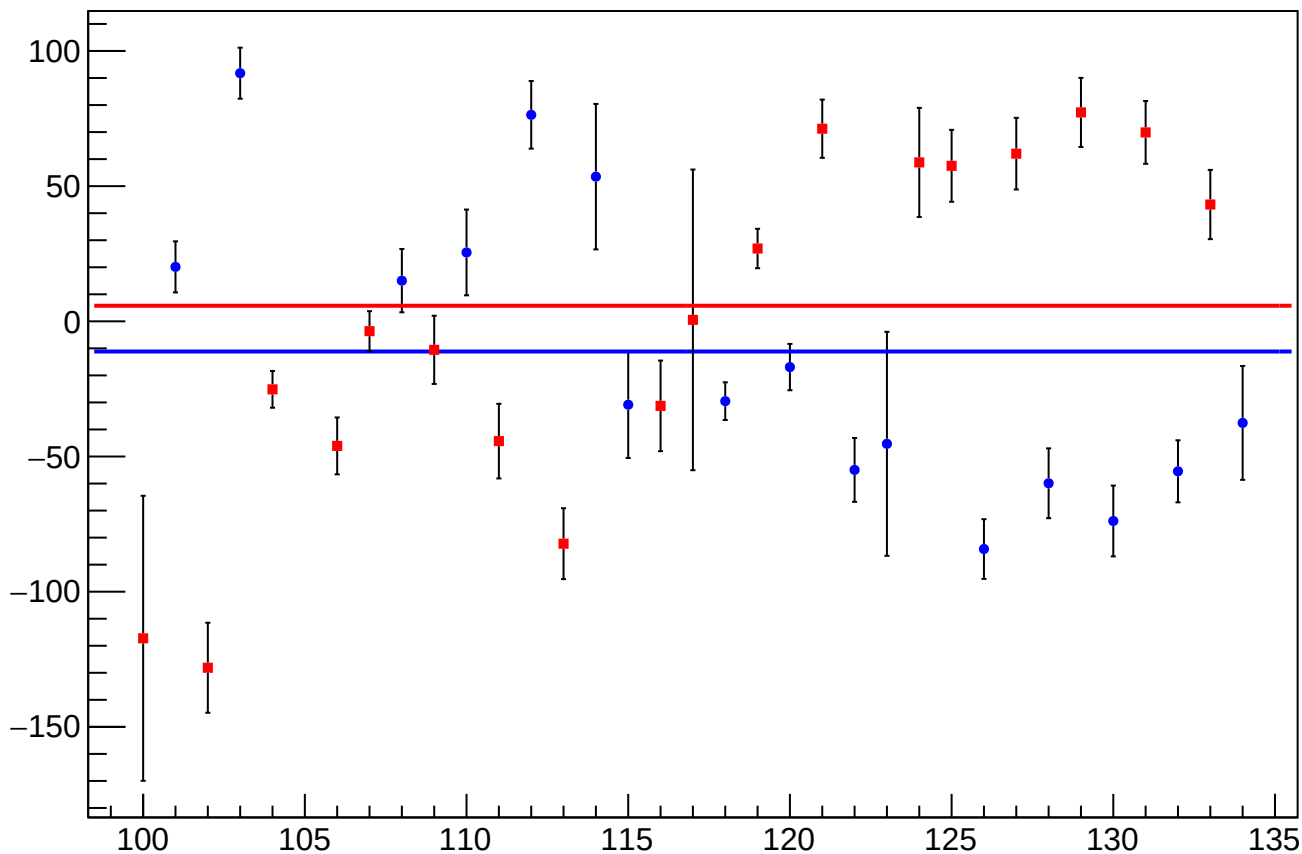
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-469.867+/-4.933  $\chi^2/\text{NDF}$ : 1619.9/15

37.238+/-3.327  $\chi^2/\text{NDF}$ : 23023.5/33

460.657+/-4.507  $\chi^2/\text{NDF}$ : 2009.0/17

reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-11.162 \pm 2.938$   $\chi^2/\text{NDF}$ : 315.2/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $5.767 \pm 2.721$   $\chi^2/\text{NDF}$ : 337.4/17

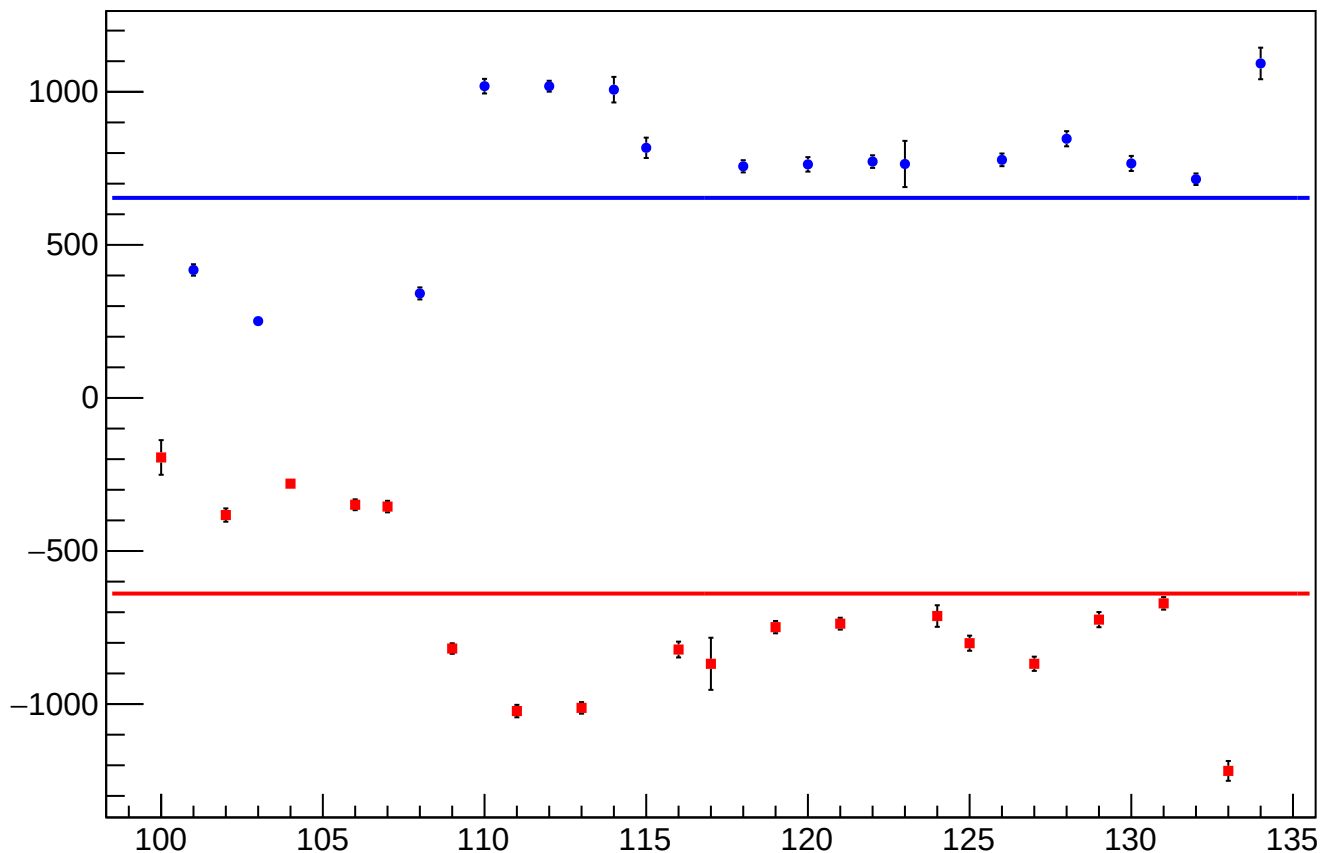
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-11.162 \pm 2.938$   $\chi^2/\text{NDF}$ : 315.2/15

$-2.048 \pm 1.996$   $\chi^2/\text{NDF}$ : 670.5/33

$5.767 \pm 2.721$   $\chi^2/\text{NDF}$ : 337.4/17

reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 653.537+/-5.438  $\chi^2/\text{NDF}$ : 2467.7/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -639.032+/-4.993  $\chi^2/\text{NDF}$ : 3054.2/17

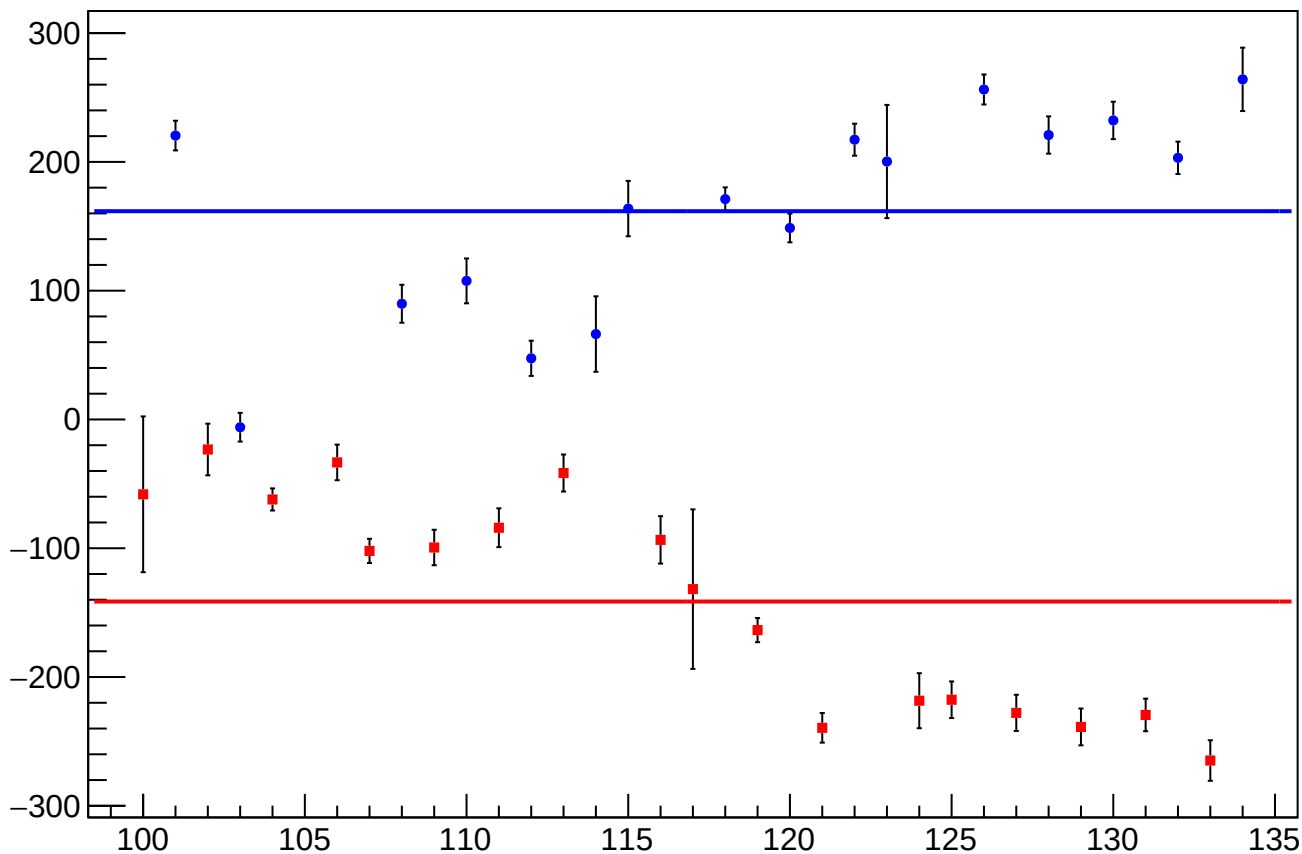
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

653.537+/-5.438  $\chi^2/\text{NDF}$ : 2467.7/15

-47.817+/-3.678  $\chi^2/\text{NDF}$ : 36176.5/33

-639.032+/-4.993  $\chi^2/\text{NDF}$ : 3054.2/17

reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 161.720 $\pm$ 3.447  $\chi^2$ /NDF: 524.0/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -141.381 $\pm$ 3.211  $\chi^2$ /NDF: 593.7/17

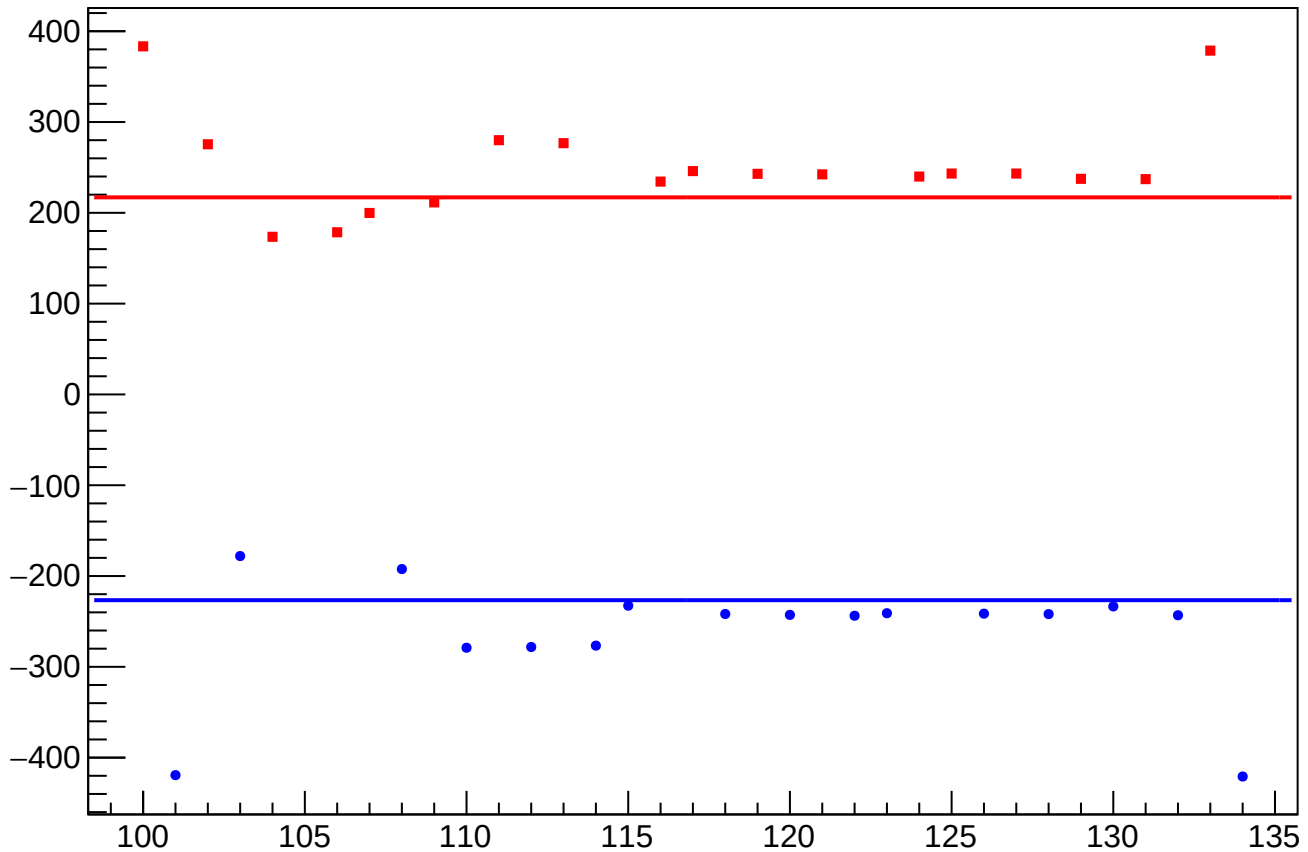
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

161.720 $\pm$ 3.447  $\chi^2$ /NDF: 524.0/15

-0.531 $\pm$ 2.349  $\chi^2$ /NDF: 5257.7/33

-141.381 $\pm$ 3.211  $\chi^2$ /NDF: 593.7/17

reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -226.600+/-0.179  $\chi^2/\text{NDF}$ : 145772.8/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 217.025+/-0.164  $\chi^2/\text{NDF}$ : 79959.6/17

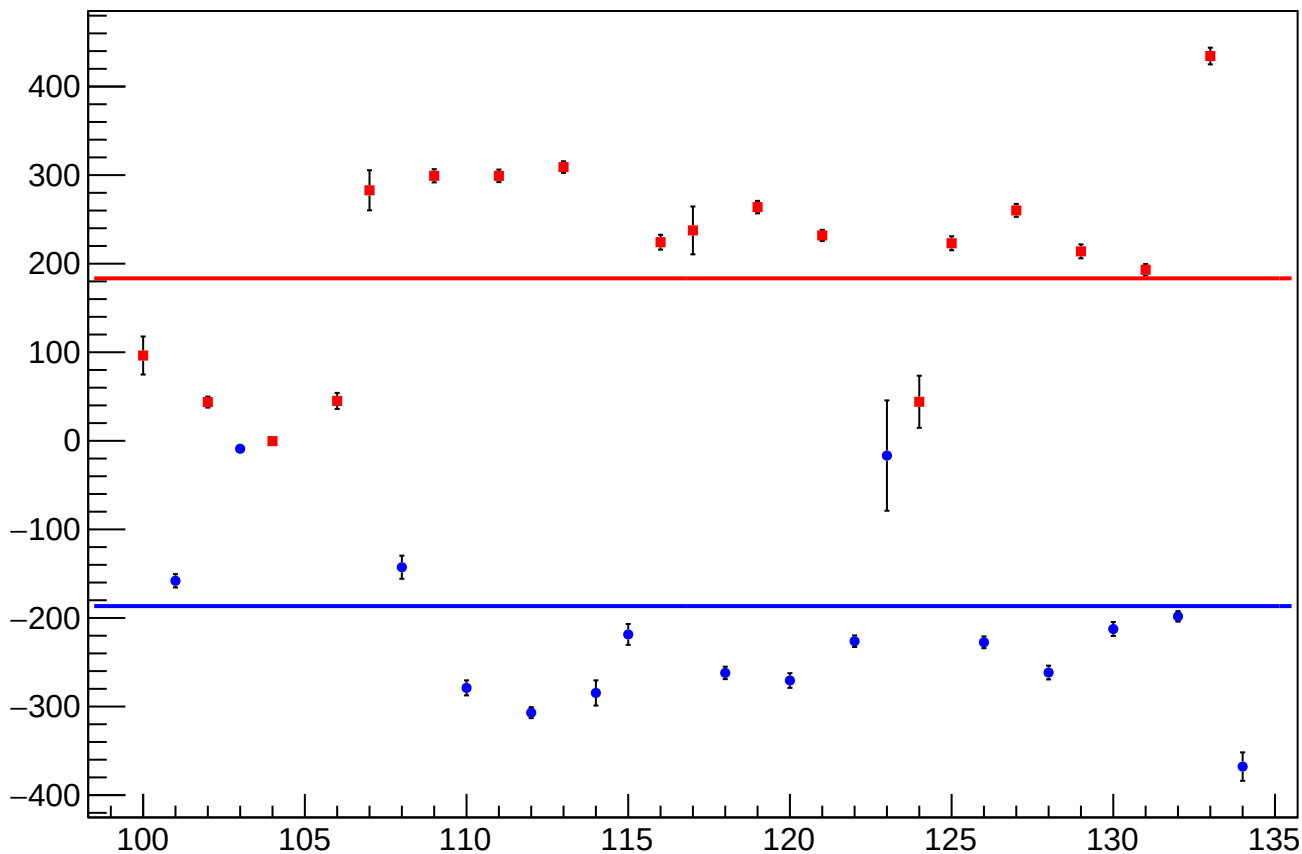
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-226.600+/-0.179  $\chi^2/\text{NDF}$ : 145772.8/15

14.079+/-0.121  $\chi^2/\text{NDF}$ : 3569768.6/33

217.025+/-0.164  $\chi^2/\text{NDF}$ : 79959.6/17

reg\_asym\_atl\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-186.619 \pm 1.868$   $\chi^2/\text{NDF}$ : 3174.6/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $183.424 \pm 1.796$   $\chi^2/\text{NDF}$ : 4750.2/17

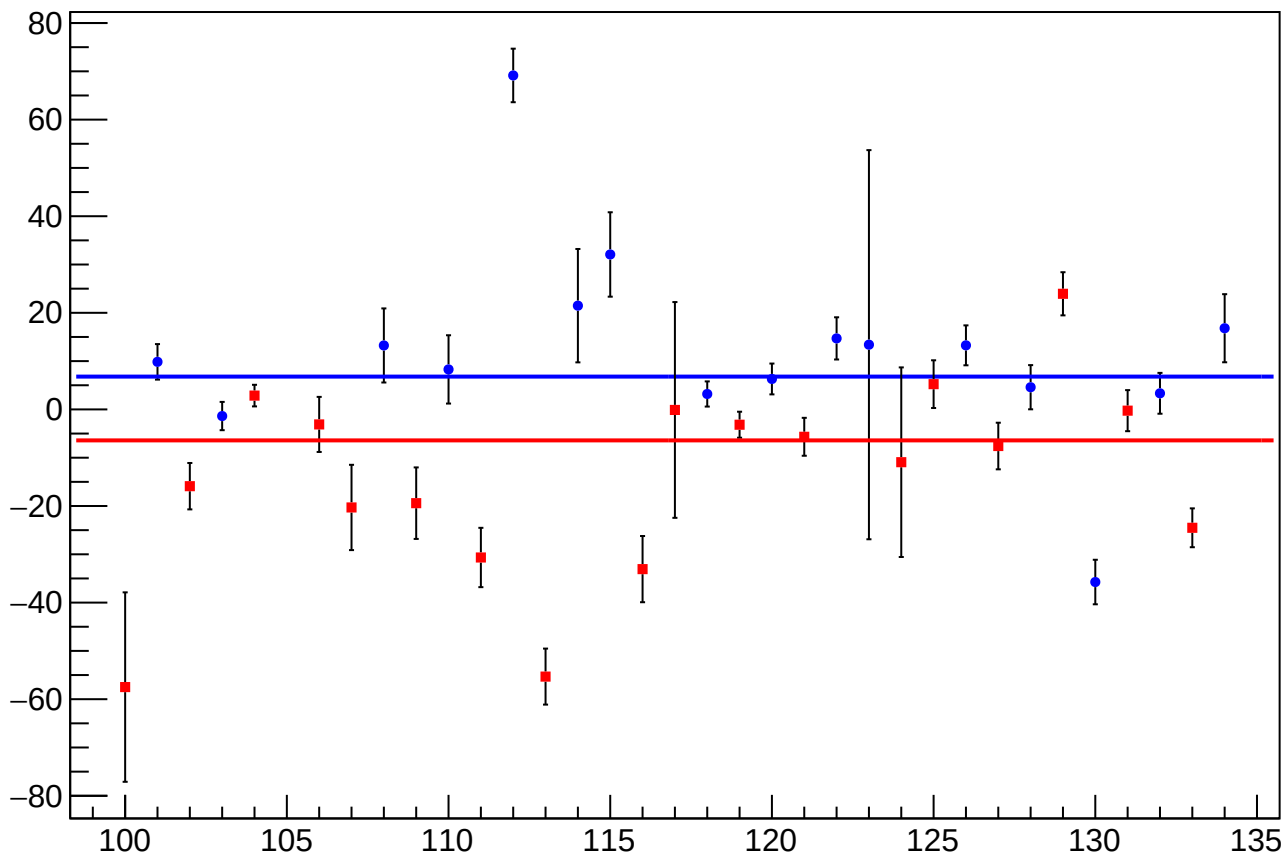
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-186.619 \pm 1.868$   $\chi^2/\text{NDF}$ : 3174.6/15

$5.677 \pm 1.294$   $\chi^2/\text{NDF}$ : 28326.2/33

$183.424 \pm 1.796$   $\chi^2/\text{NDF}$ : 4750.2/17

reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.794+/-1.112  $\chi^2/\text{NDF}$ : 241.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.414+/-1.089  $\chi^2/\text{NDF}$ : 211.4/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

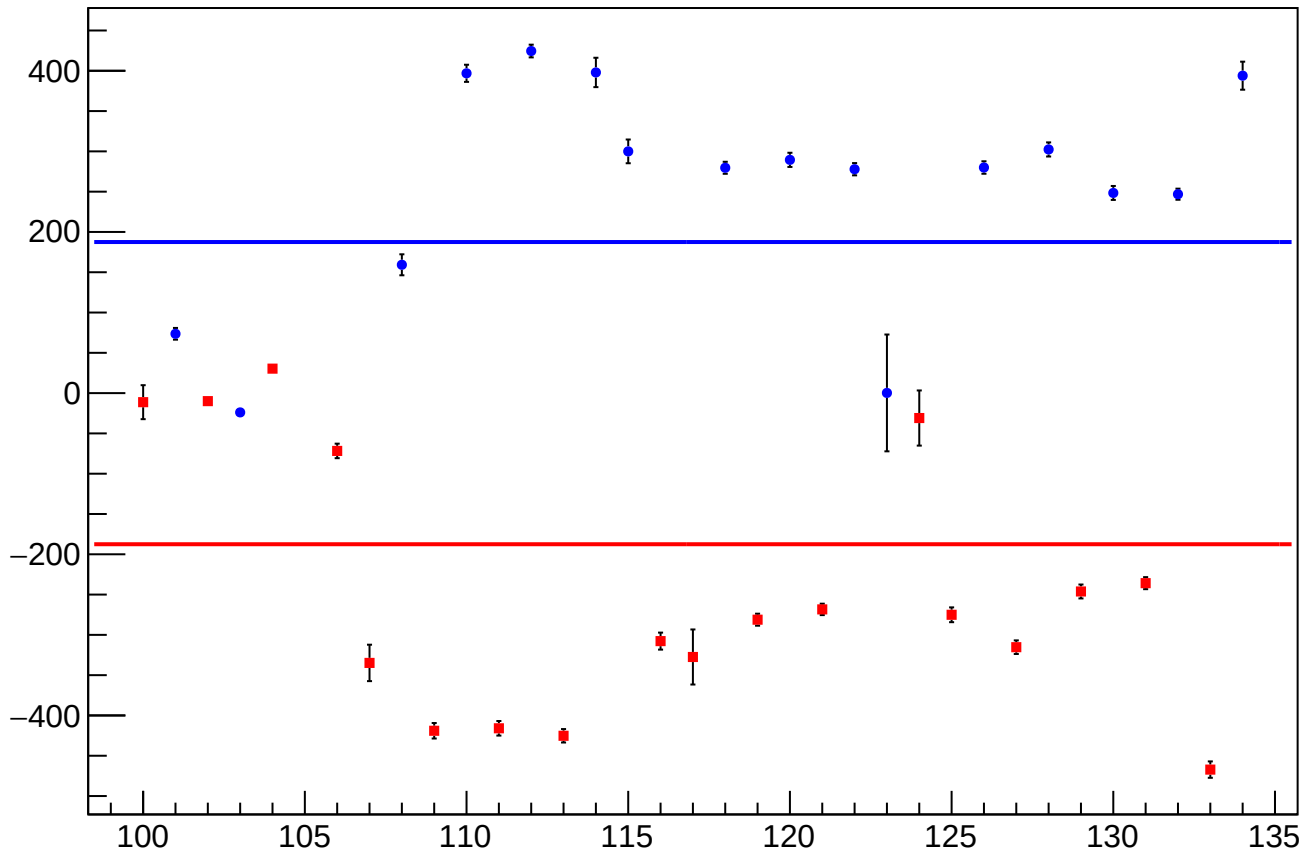
6.794+/-1.112  $\chi^2/\text{NDF}$ : 241.4/15

0.048+/-0.778  $\chi^2/\text{NDF}$ : 524.8/33

-6.414+/-1.089  $\chi^2/\text{NDF}$ : 211.4/17



reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 187.493+/-2.028  $\chi^2/\text{NDF}$ : 5870.6/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -187.526+/-1.960  $\chi^2/\text{NDF}$ : 7806.7/17

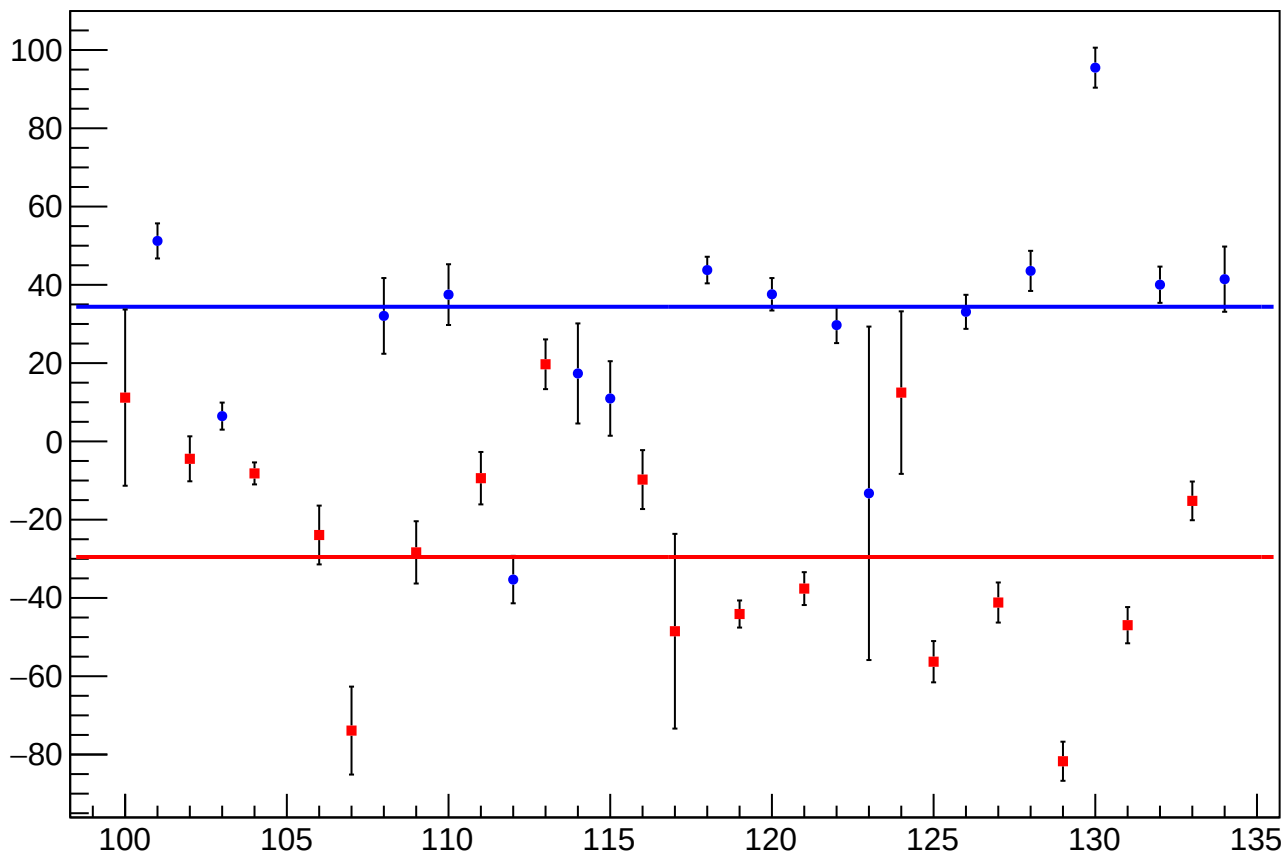
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

187.493+/-2.028  $\chi^2/\text{NDF}$ : 5870.6/15

-6.480+/-1.409  $\chi^2/\text{NDF}$ : 31356.4/33

-187.526+/-1.960  $\chi^2/\text{NDF}$ : 7806.7/17

reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 34.399+/-1.304  $\chi^2/\text{NDF}$ : 378.6/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -29.537+/-1.280  $\chi^2/\text{NDF}$ : 360.9/17

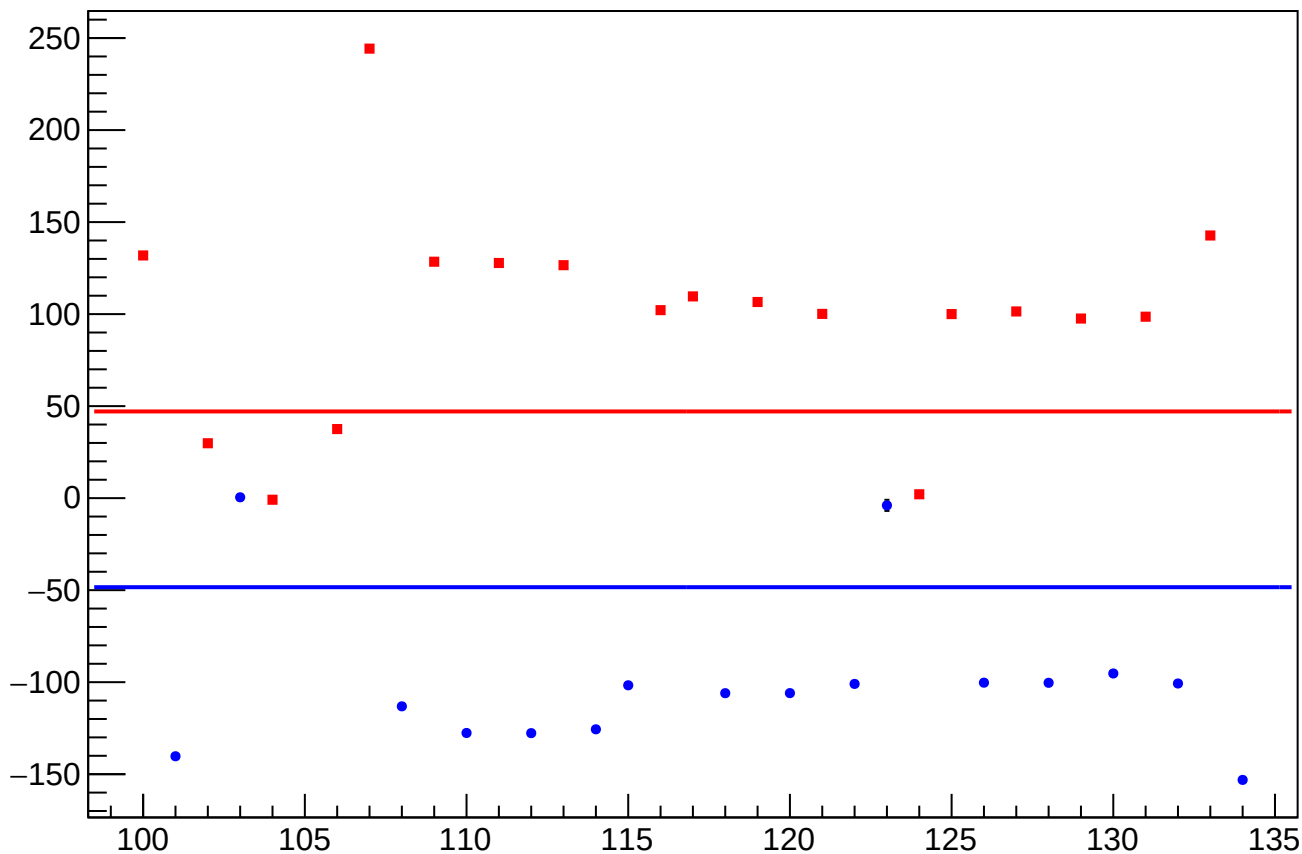
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

34.399+/-1.304  $\chi^2/\text{NDF}$ : 378.6/15

1.821+/-0.913  $\chi^2/\text{NDF}$ : 1964.1/33

-29.537+/-1.280  $\chi^2/\text{NDF}$ : 360.9/17

reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -48.386+/-0.064  $\chi^2/\text{NDF}$ : 801969.5/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 47.112+/-0.062  $\chi^2/\text{NDF}$ : 744257.2/17

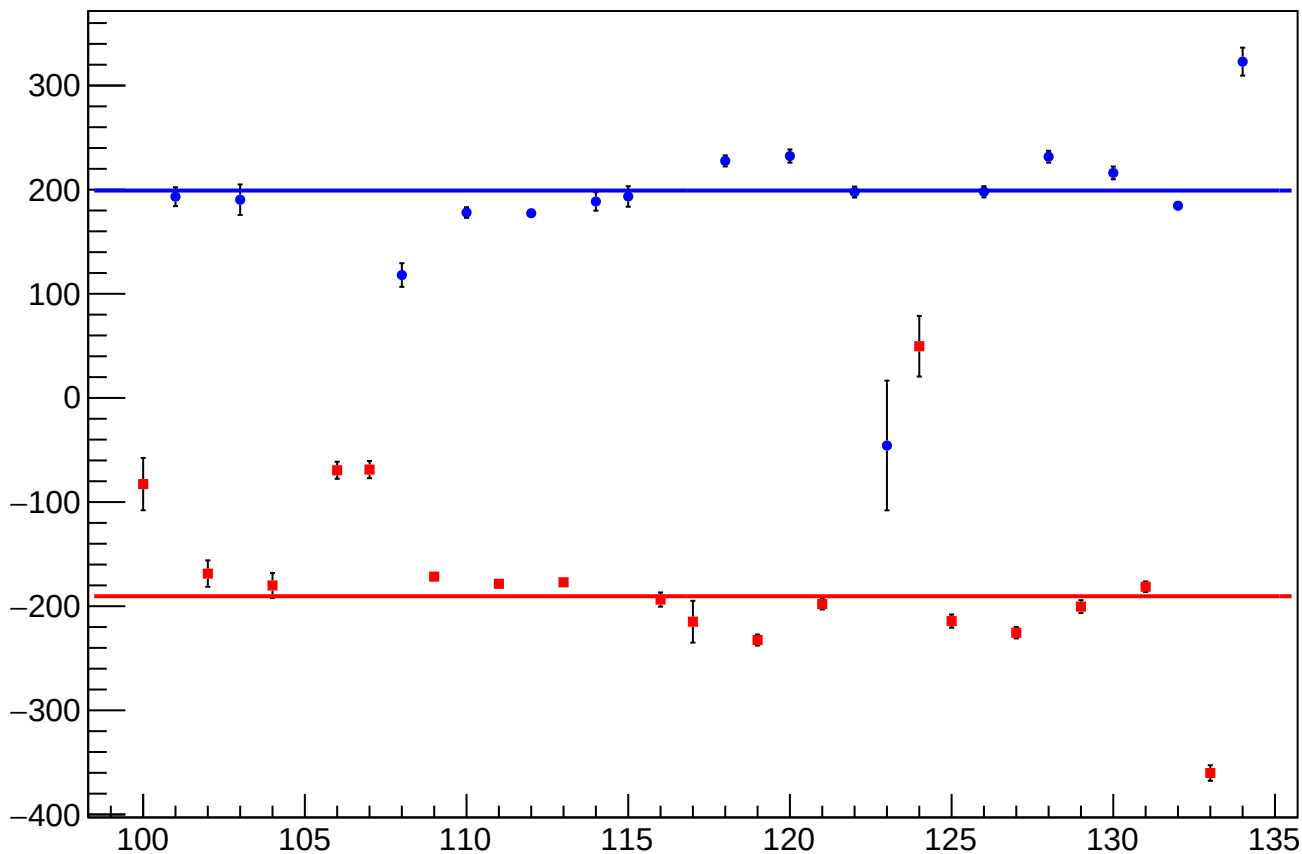
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-48.386+/-0.064  $\chi^2/\text{NDF}$ : 801969.5/15

0.840+/-0.045  $\chi^2/\text{NDF}$ : 2691218.8/33

47.112+/-0.062  $\chi^2/\text{NDF}$ : 744257.2/17

reg\_asym\_atl\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 199.160+/-1.597  $\chi^2/\text{NDF}$ : 308.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -190.431+/-1.495  $\chi^2/\text{NDF}$ : 1205.1/17

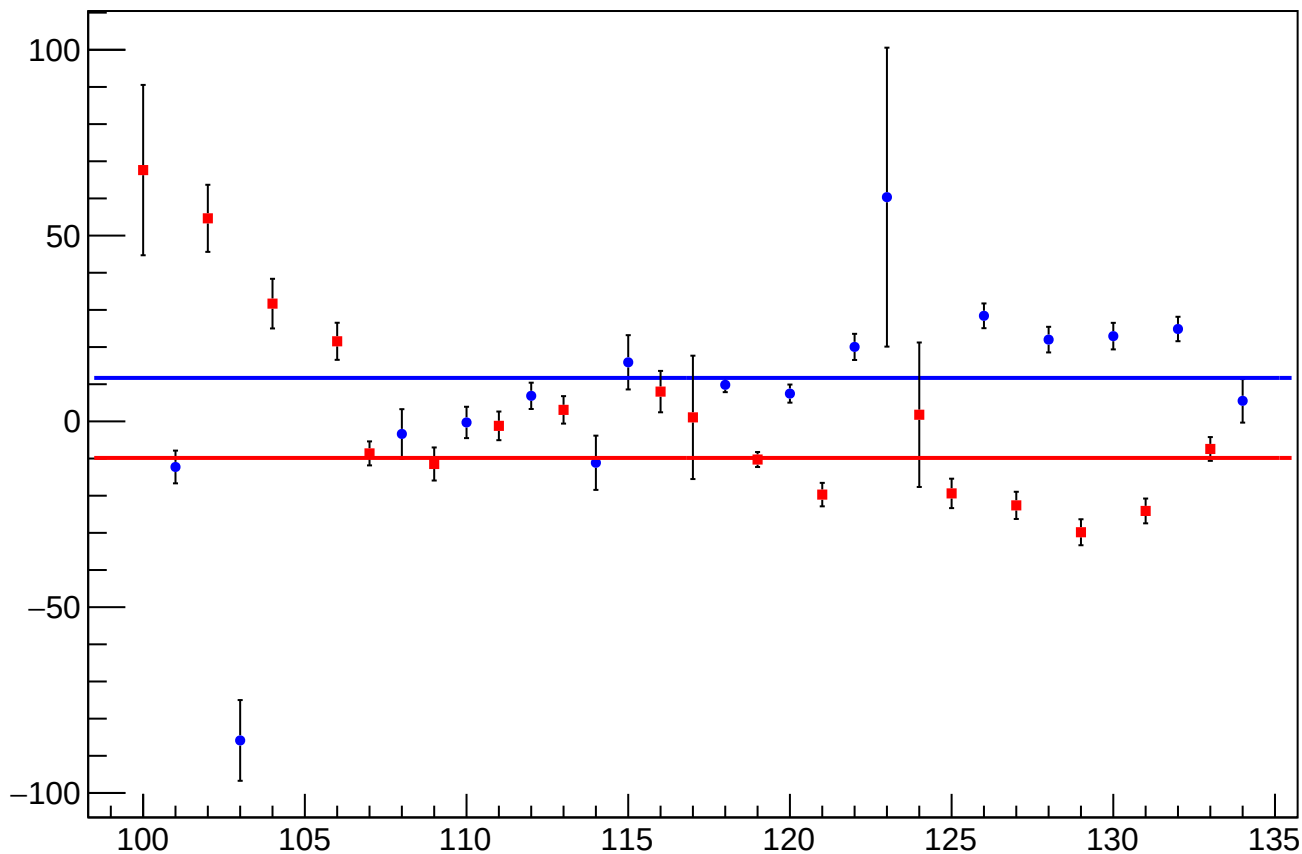
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

199.160+/-1.597  $\chi^2/\text{NDF}$ : 308.2/15

-8.479+/-1.091  $\chi^2/\text{NDF}$ : 33246.8/33

-190.431+/-1.495  $\chi^2/\text{NDF}$ : 1205.1/17

reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 11.697 $\pm$ 0.938  $\chi^2$ /NDF: 207.5/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -9.837 $\pm$ 0.930  $\chi^2$ /NDF: 248.6/17

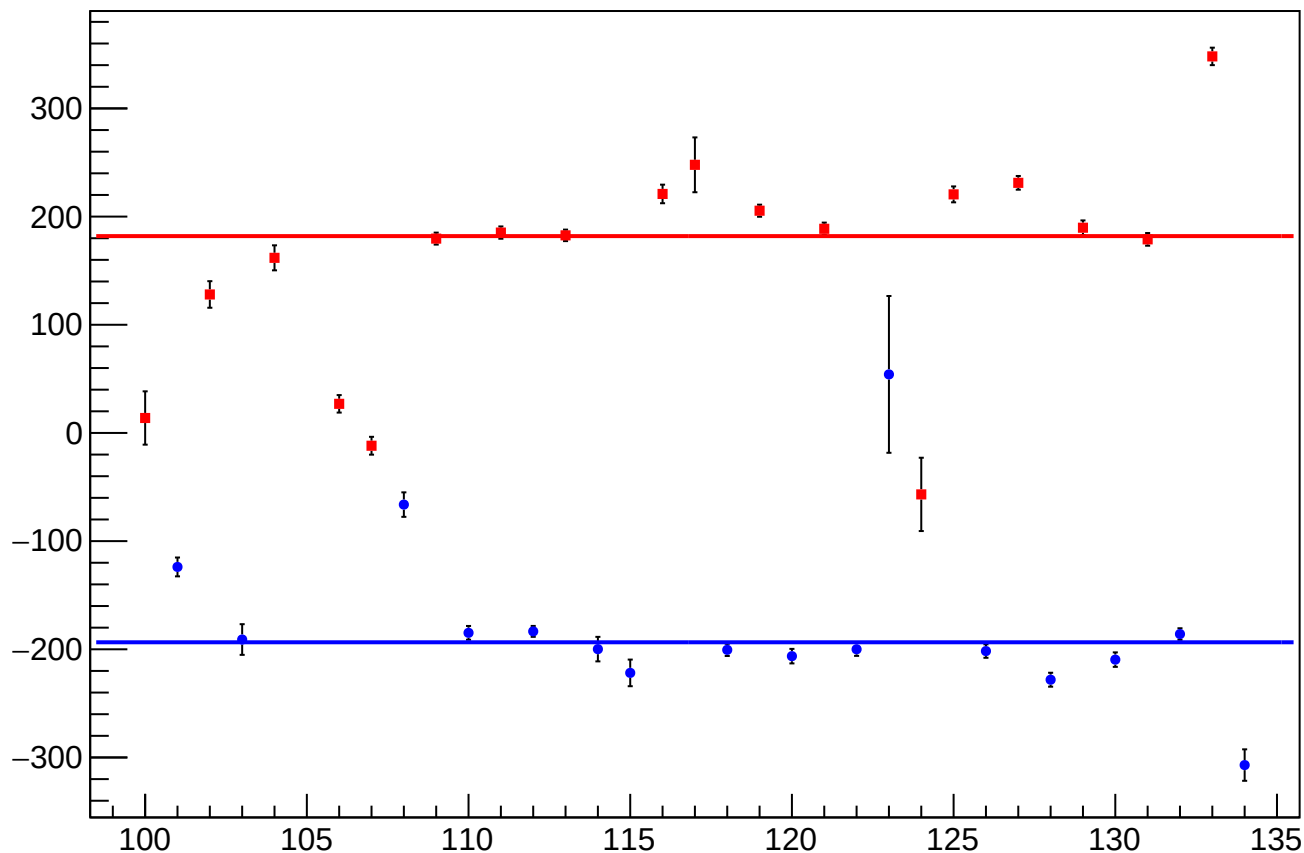
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

11.697 $\pm$ 0.938  $\chi^2$ /NDF: 207.5/15

0.844 $\pm$ 0.660  $\chi^2$ /NDF: 721.9/33

-9.837 $\pm$ 0.930  $\chi^2$ /NDF: 248.6/17

reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-193.517 \pm 1.836$   $\chi^2/\text{NDF}$ : 319.1/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $181.960 \pm 1.732$   $\chi^2/\text{NDF}$ : 1598.3/17

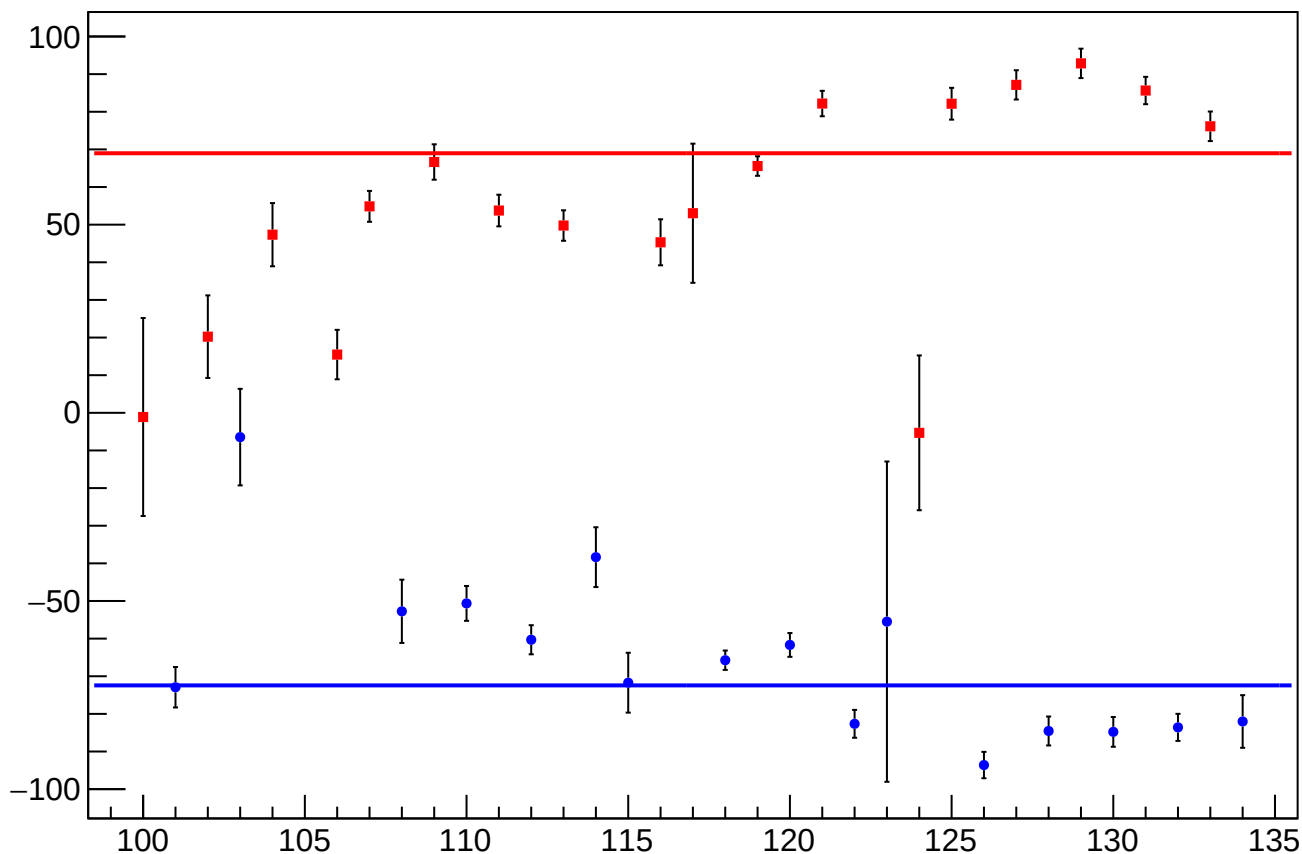
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-193.517 \pm 1.836$   $\chi^2/\text{NDF}$ : 319.1/15

$5.134 \pm 1.260$   $\chi^2/\text{NDF}$ : 24052.0/33

$181.960 \pm 1.732$   $\chi^2/\text{NDF}$ : 1598.3/17

reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -72.431+/-1.094  $\chi^2/\text{NDF}$ : 176.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 68.976+/-1.075  $\chi^2/\text{NDF}$ : 286.4/17

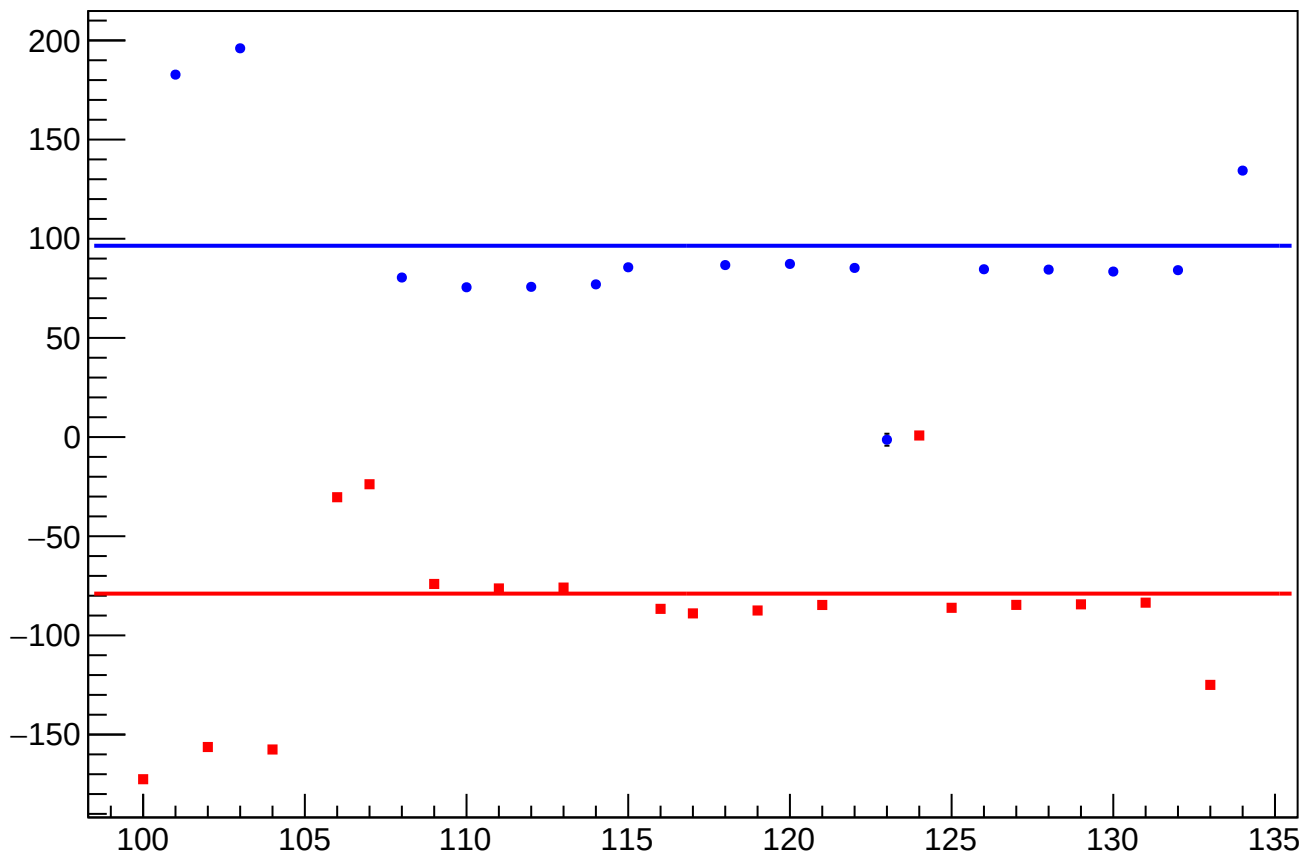
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-72.431+/-1.094  $\chi^2/\text{NDF}$ : 176.1/15

-0.481+/-0.767  $\chi^2/\text{NDF}$ : 8961.5/33

68.976+/-1.075  $\chi^2/\text{NDF}$ : 286.4/17

reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 96.466+/-0.075  $\chi^2/\text{NDF}$ : 213224.7/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -78.939+/-0.067  $\chi^2/\text{NDF}$ : 331364.9/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

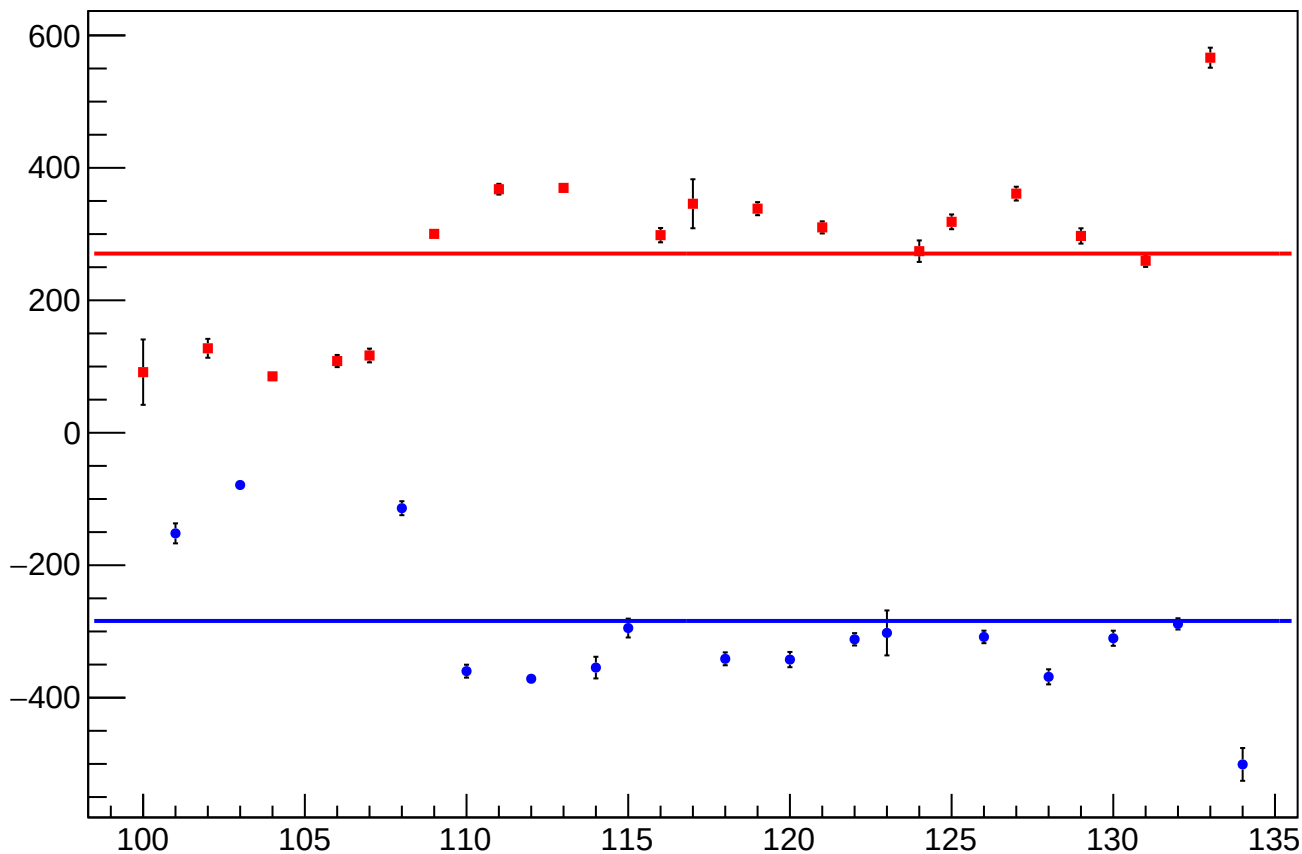
96.466+/-0.075  $\chi^2/\text{NDF}$ : 213224.7/15

-1.858+/-0.050  $\chi^2/\text{NDF}$ : 3572731.6/33

-78.939+/-0.067  $\chi^2/\text{NDF}$ : 331364.9/17



reg\_asym\_atr\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -284.108+/-2.650  $\chi^2$ /NDF: 1527.2/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 270.578+/-2.389  $\chi^2$ /NDF: 2229.1/17

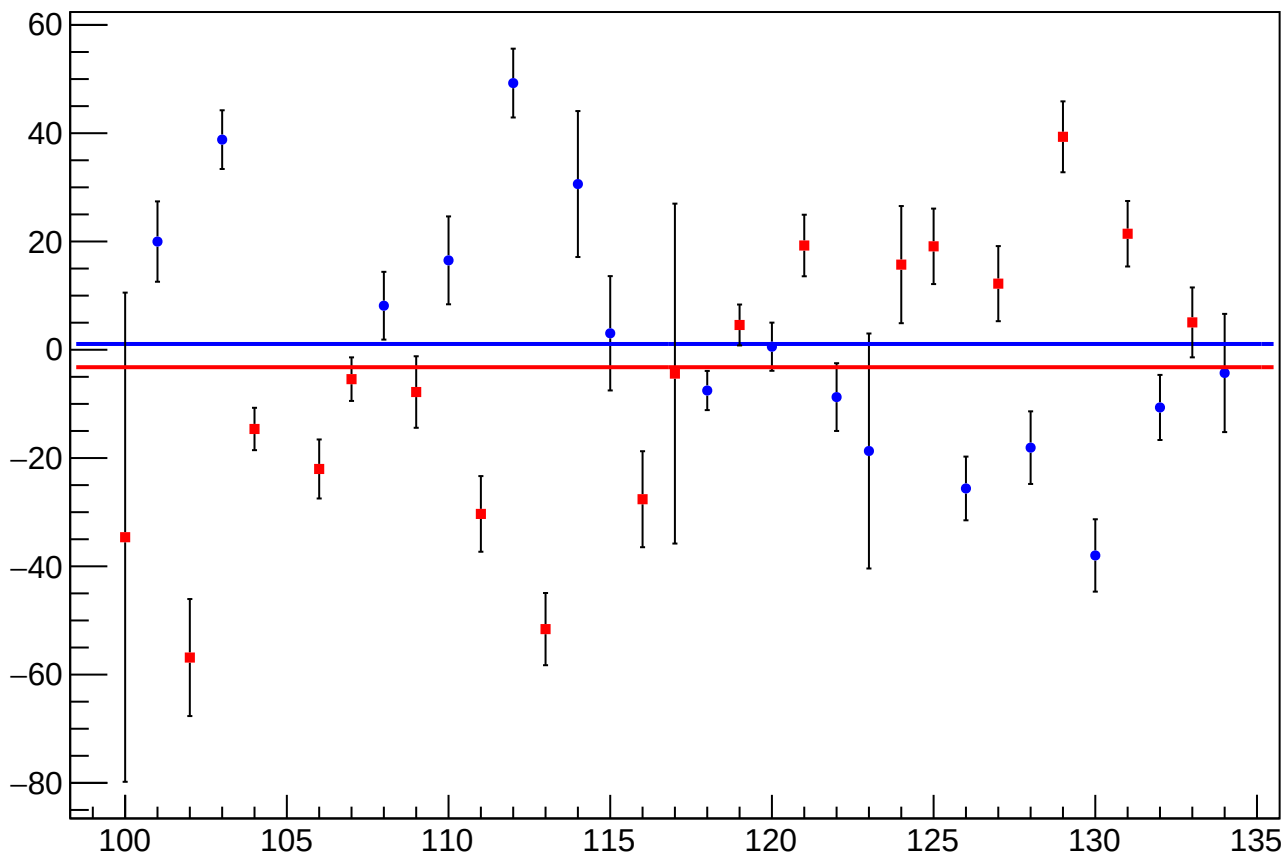
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-284.108+/-2.650  $\chi^2$ /NDF: 1527.2/15

21.952+/-1.774  $\chi^2$ /NDF: 27923.3/33

270.578+/-2.389  $\chi^2$ /NDF: 2229.1/17

reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.069+/-1.589  $\chi^2/\text{NDF}$ : 198.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.221+/-1.451  $\chi^2/\text{NDF}$ : 220.2/17

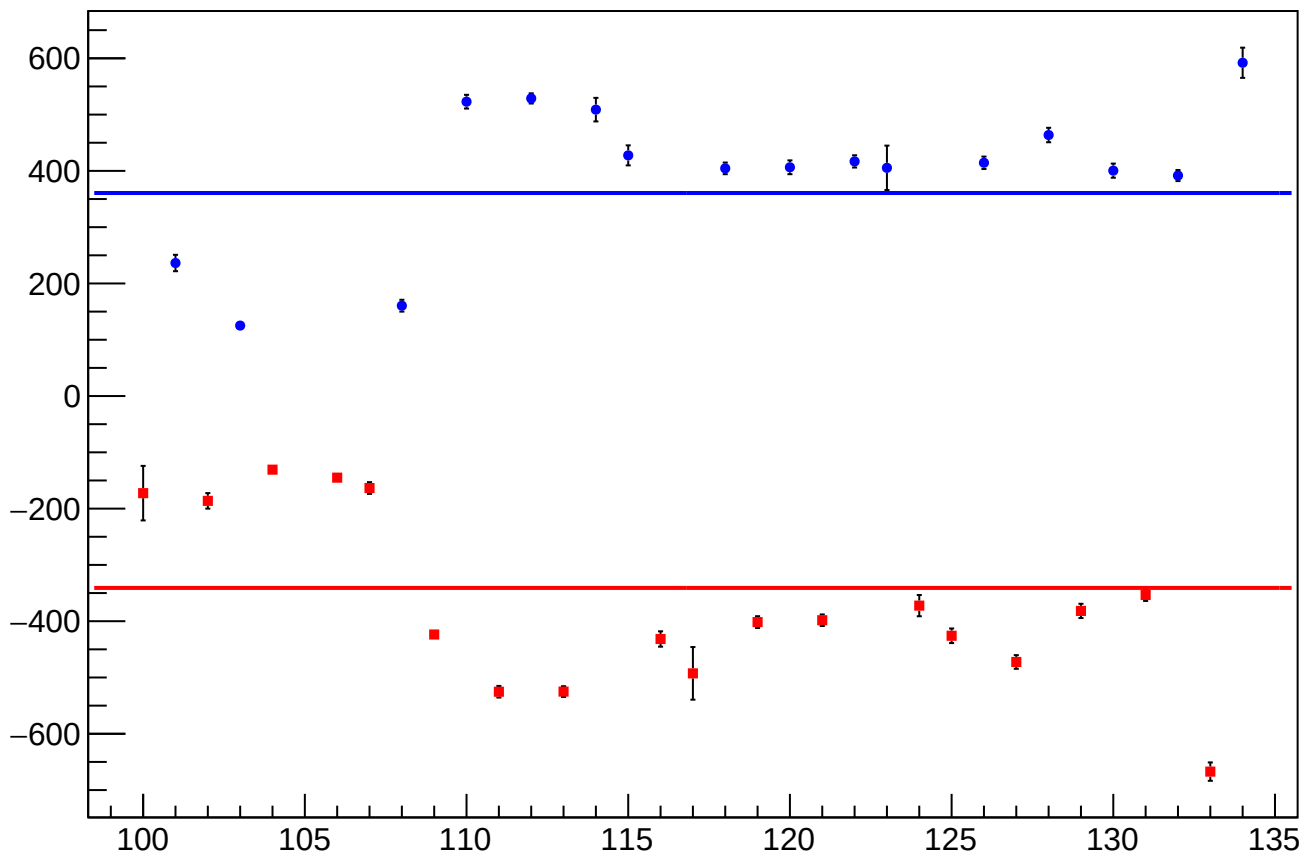
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.069+/-1.589  $\chi^2/\text{NDF}$ : 198.0/15

-1.270+/-1.071  $\chi^2/\text{NDF}$ : 422.2/33

-3.221+/-1.451  $\chi^2/\text{NDF}$ : 220.2/17

reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 360.723+/-2.956  $\chi^2/\text{NDF}$ : 2314.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -340.855+/-2.668  $\chi^2/\text{NDF}$ : 3328.4/17

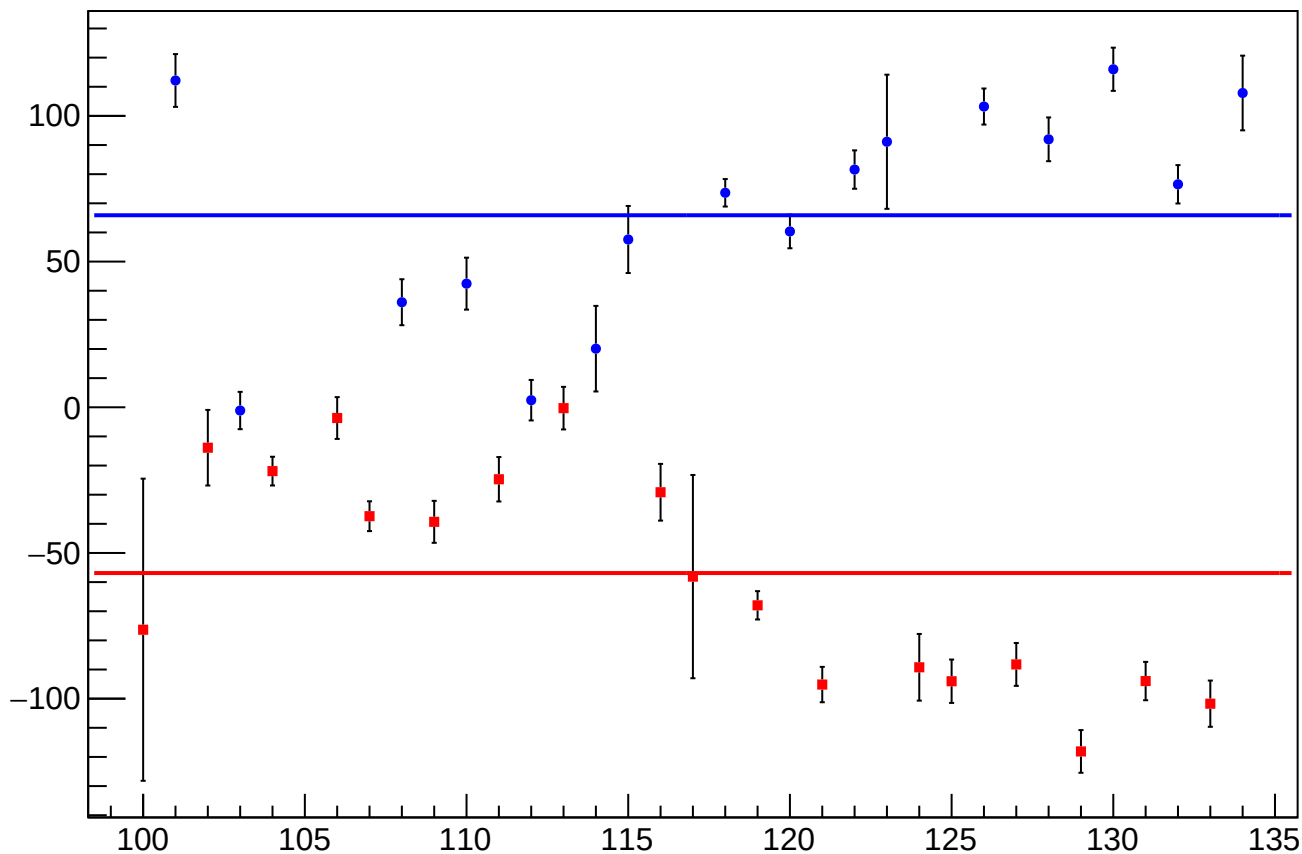
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

360.723+/-2.956  $\chi^2/\text{NDF}$ : 2314.4/15

-25.922+/-1.980  $\chi^2/\text{NDF}$ : 36692.2/33

-340.855+/-2.668  $\chi^2/\text{NDF}$ : 3328.4/17

reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 65.901+/-1.860  $\chi^2/\text{NDF}$ : 368.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -56.890+/-1.708  $\chi^2/\text{NDF}$ : 452.3/17

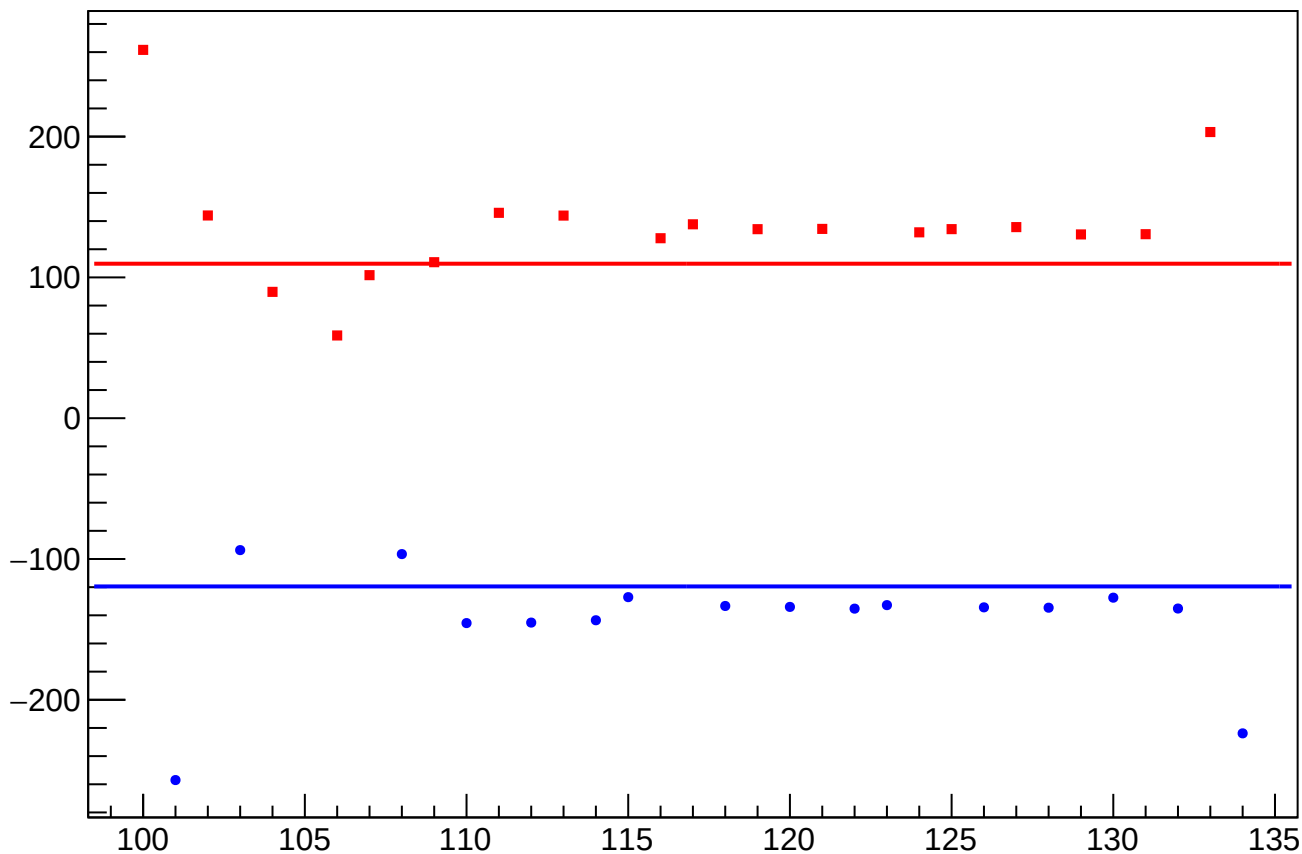
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

65.901+/-1.860  $\chi^2/\text{NDF}$ : 368.4/15

-0.708+/-1.258  $\chi^2/\text{NDF}$ : 3185.6/33

-56.890+/-1.708  $\chi^2/\text{NDF}$ : 452.3/17

reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -119.486+/-0.099  $\chi^2/\text{NDF}$ : 135643.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 109.724+/-0.089  $\chi^2/\text{NDF}$ : 126690.4/17

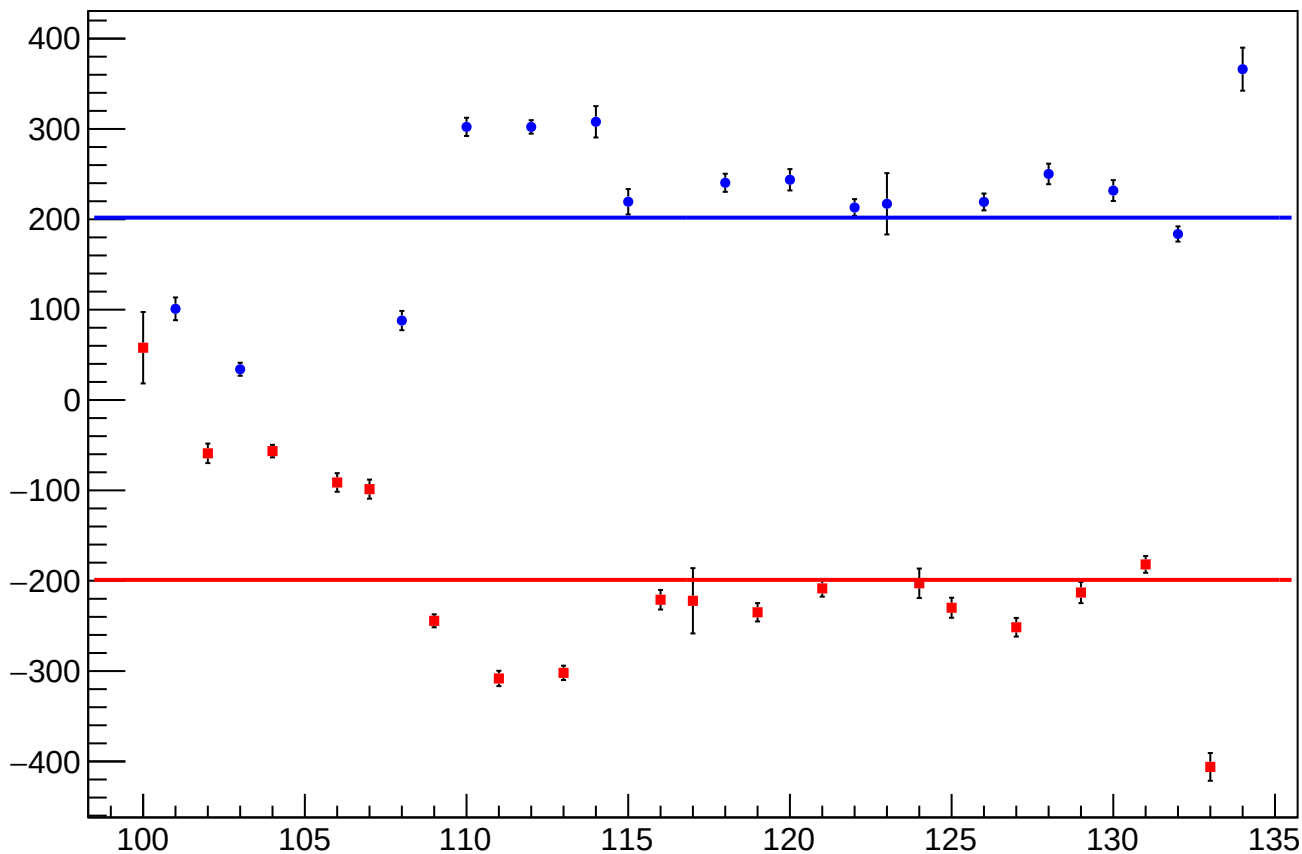
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-119.486+/-0.099  $\chi^2/\text{NDF}$ : 135643.4/15

7.294+/-0.066  $\chi^2/\text{NDF}$ : 3213813.5/33

109.724+/-0.089  $\chi^2/\text{NDF}$ : 126690.4/17

reg\_asym\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 201.846 $\pm$ 2.645  $\chi^2$ /NDF: 1154.3/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -199.052 $\pm$ 2.407  $\chi^2$ /NDF: 1436.5/17

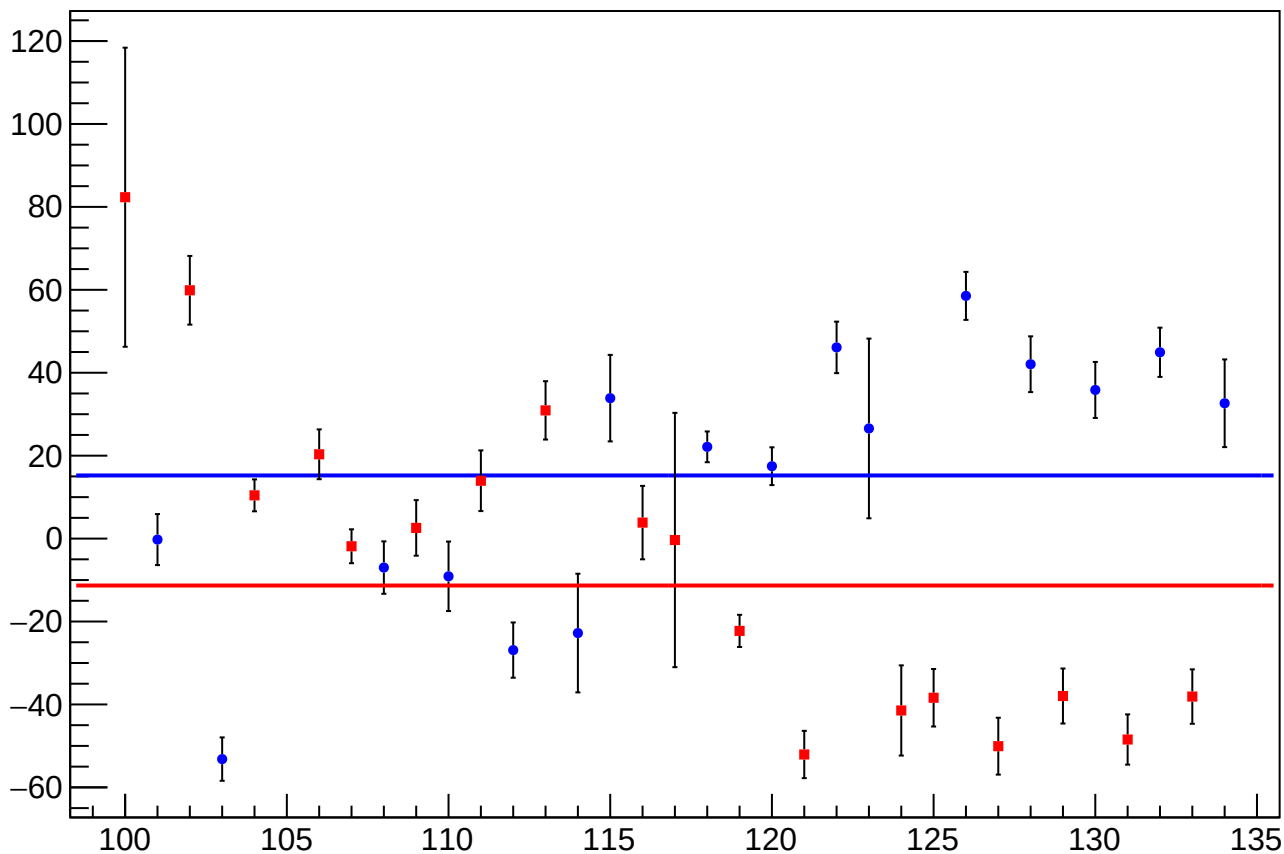
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

201.846 $\pm$ 2.645  $\chi^2$ /NDF: 1154.3/15

-17.397 $\pm$ 1.780  $\chi^2$ /NDF: 15156.8/33

-199.052 $\pm$ 2.407  $\chi^2$ /NDF: 1436.5/17

reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 15.228+/-1.584  $\chi^2/\text{NDF}$ : 385.9/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -11.318+/-1.465  $\chi^2/\text{NDF}$ : 385.2/17

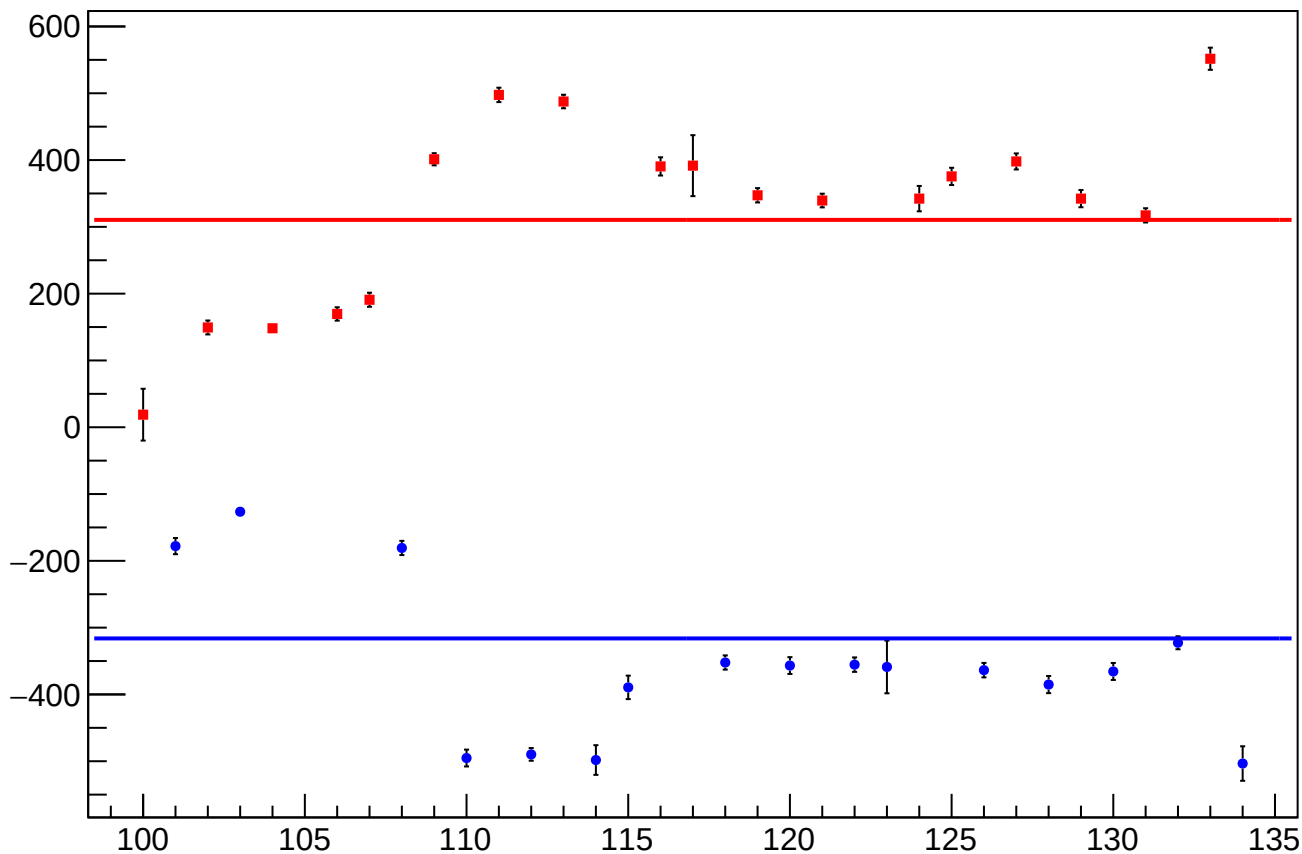
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

15.228+/-1.584  $\chi^2/\text{NDF}$ : 385.9/15

0.921+/-1.075  $\chi^2/\text{NDF}$ : 922.5/33

-11.318+/-1.465  $\chi^2/\text{NDF}$ : 385.2/17

reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -316.168+/-2.933  $\chi^2/\text{NDF}$ : 1812.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 310.440+/-2.678  $\chi^2/\text{NDF}$ : 2262.1/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

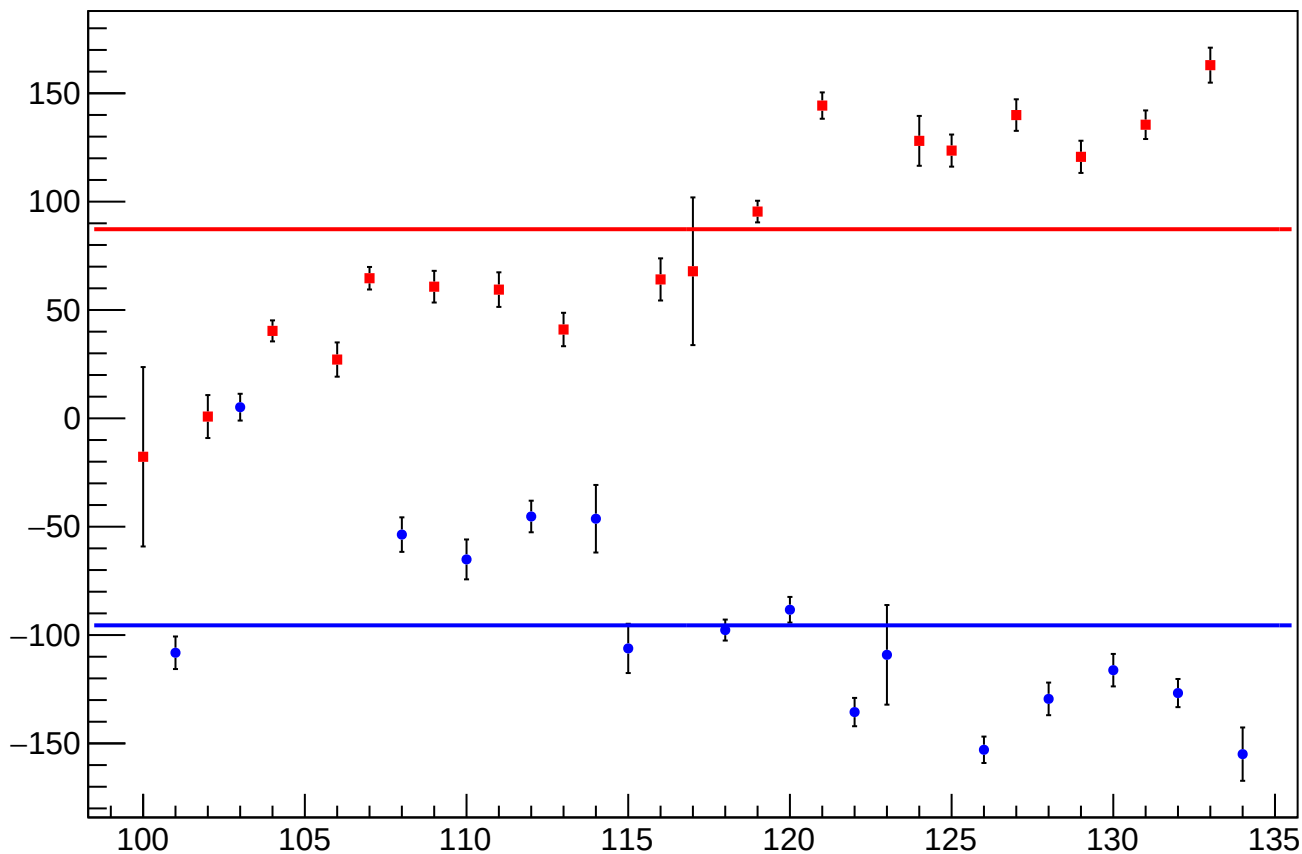
-316.168+/-2.933  $\chi^2/\text{NDF}$ : 1812.3/15

25.502+/-1.978  $\chi^2/\text{NDF}$ : 28966.2/33

310.440+/-2.678  $\chi^2/\text{NDF}$ : 2262.1/17



reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -95.521+/-1.853  $\chi^2/\text{NDF}$ : 568.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 87.274+/-1.722  $\chi^2/\text{NDF}$ : 661.4/17

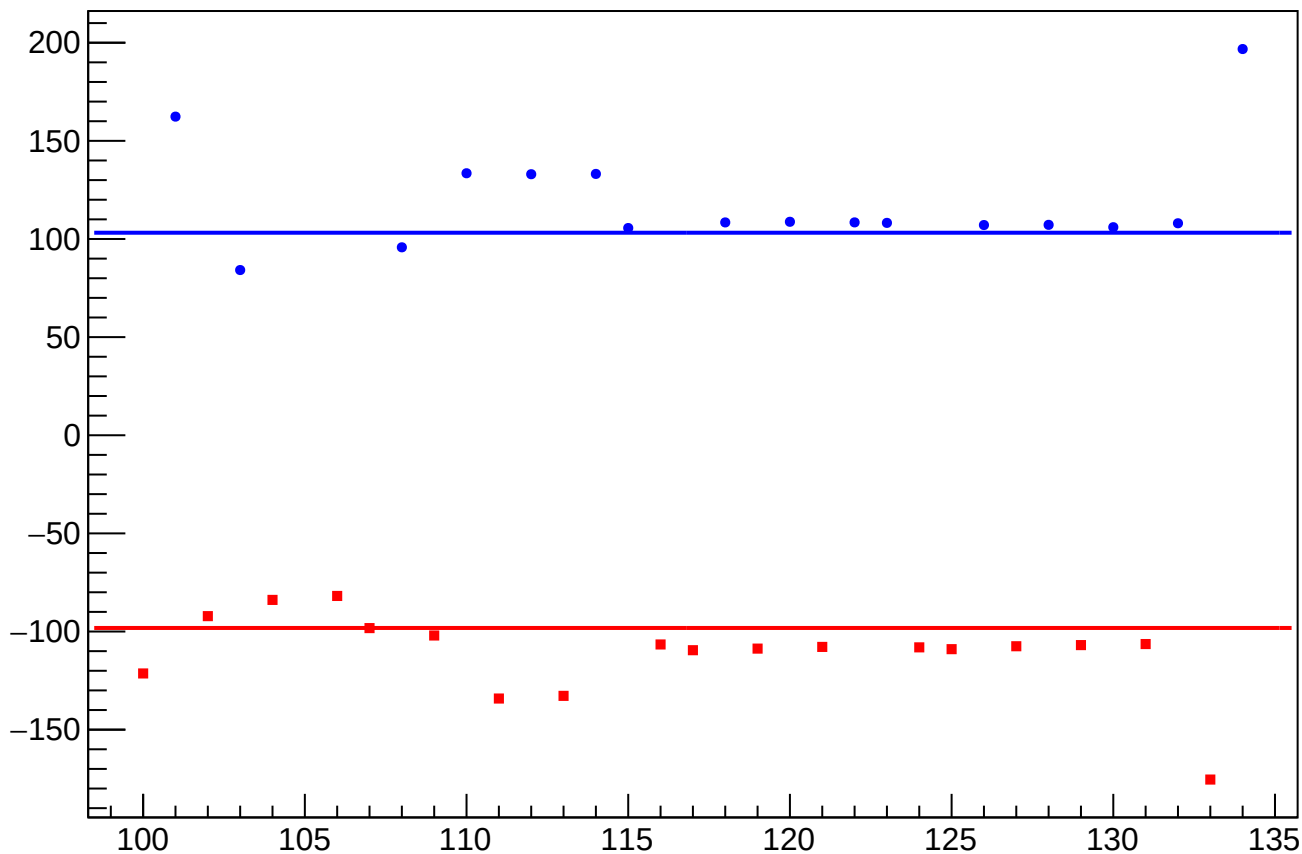
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-95.521+/-1.853  $\chi^2/\text{NDF}$ : 568.0/15

2.538+/-1.261  $\chi^2/\text{NDF}$ : 6451.5/33

87.274+/-1.722  $\chi^2/\text{NDF}$ : 661.4/17

reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 103.191+/-0.097  $\chi^2/\text{NDF}$ : 61132.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -98.184+/-0.088  $\chi^2/\text{NDF}$ : 39691.3/17

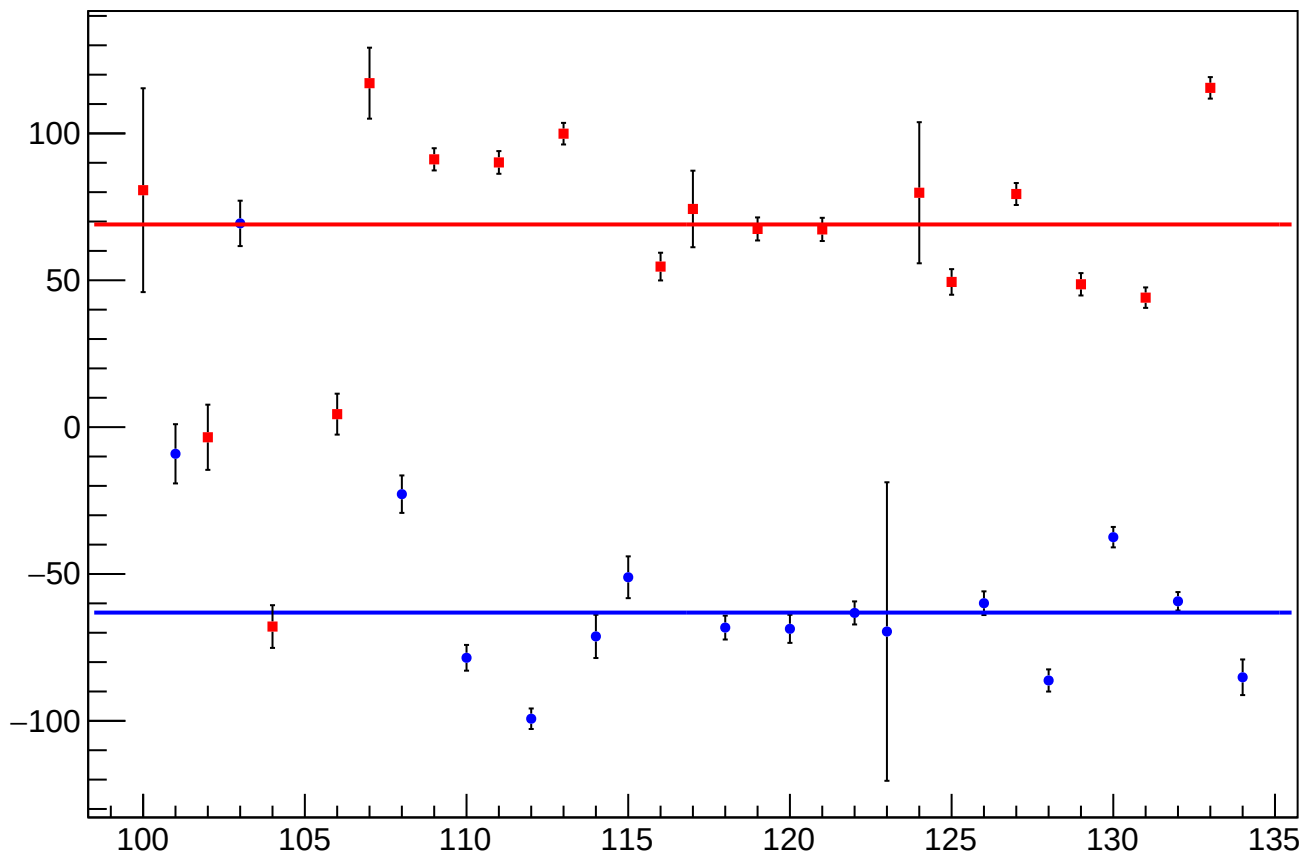
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

103.191+/-0.097  $\chi^2/\text{NDF}$ : 61132.2/15

-7.539+/-0.065  $\chi^2/\text{NDF}$ : 2458099.0/33

-98.184+/-0.088  $\chi^2/\text{NDF}$ : 39691.3/17

reg\_asym\_at1\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -63.137 $\pm$ 1.166  $\chi^2$ /NDF: 596.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 69.007 $\pm$ 1.120  $\chi^2$ /NDF: 912.6/17

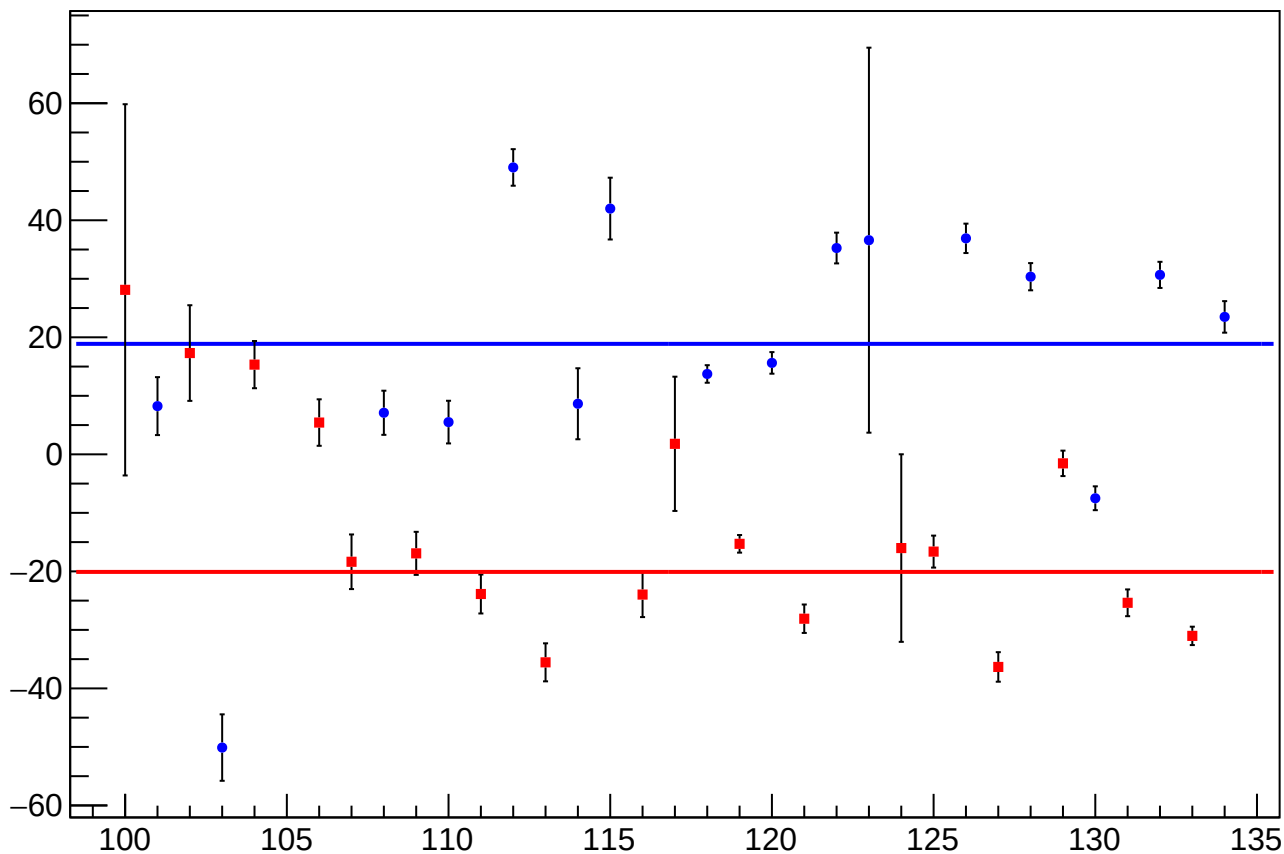
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-63.137 $\pm$ 1.166  $\chi^2$ /NDF: 596.6/15

5.599 $\pm$ 0.808  $\chi^2$ /NDF: 8193.0/33

69.007 $\pm$ 1.120  $\chi^2$ /NDF: 912.6/17

reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 18.879+/-0.676  $\chi^2/\text{NDF}$ : 618.9/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -20.092+/-0.669  $\chi^2/\text{NDF}$ : 361.8/17

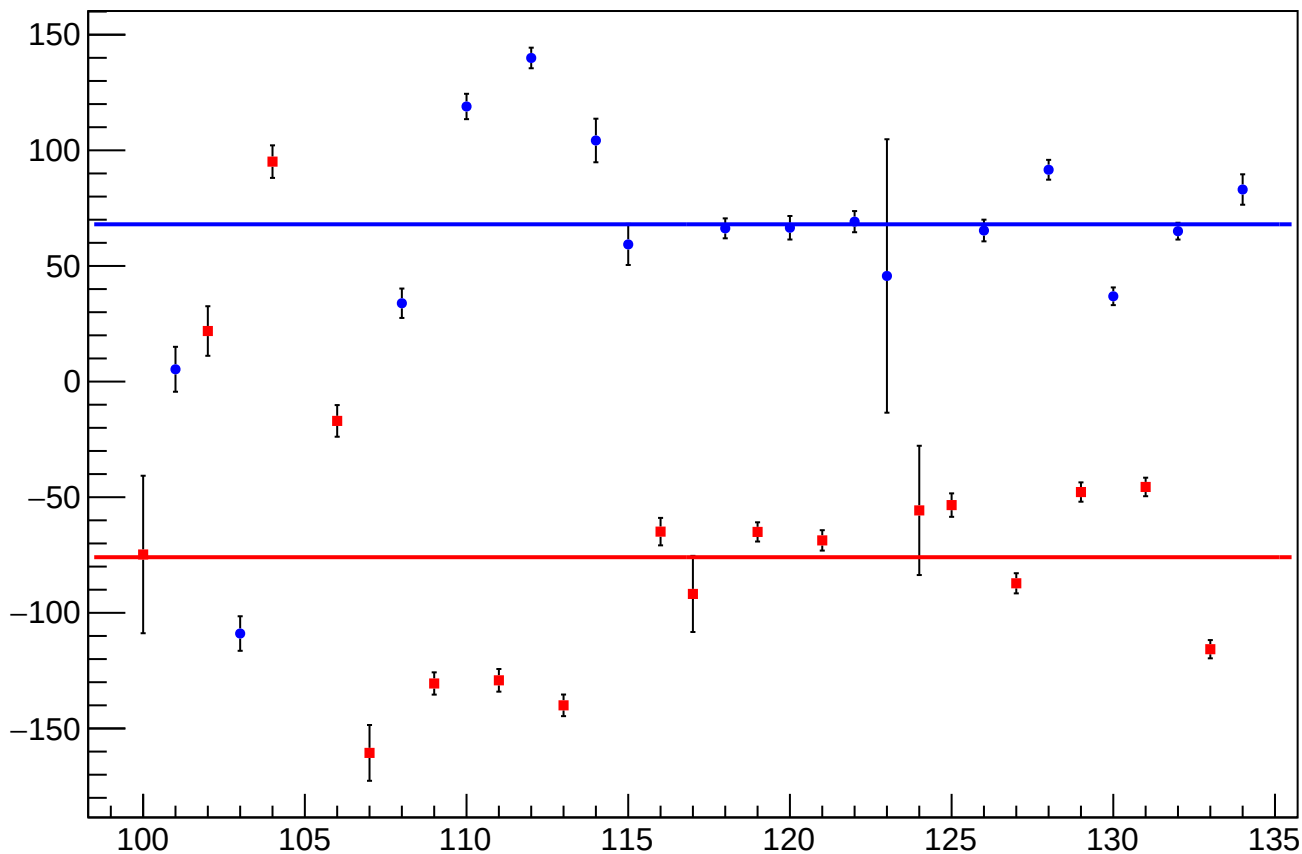
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

18.879+/-0.676  $\chi^2/\text{NDF}$ : 618.9/15

-0.805+/-0.475  $\chi^2/\text{NDF}$ : 2660.1/33

-20.092+/-0.669  $\chi^2/\text{NDF}$ : 361.8/17

reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 68.013+/-1.326  $\chi^2/\text{NDF}$ : 1098.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -75.945+/-1.284  $\chi^2/\text{NDF}$ : 1476.9/17

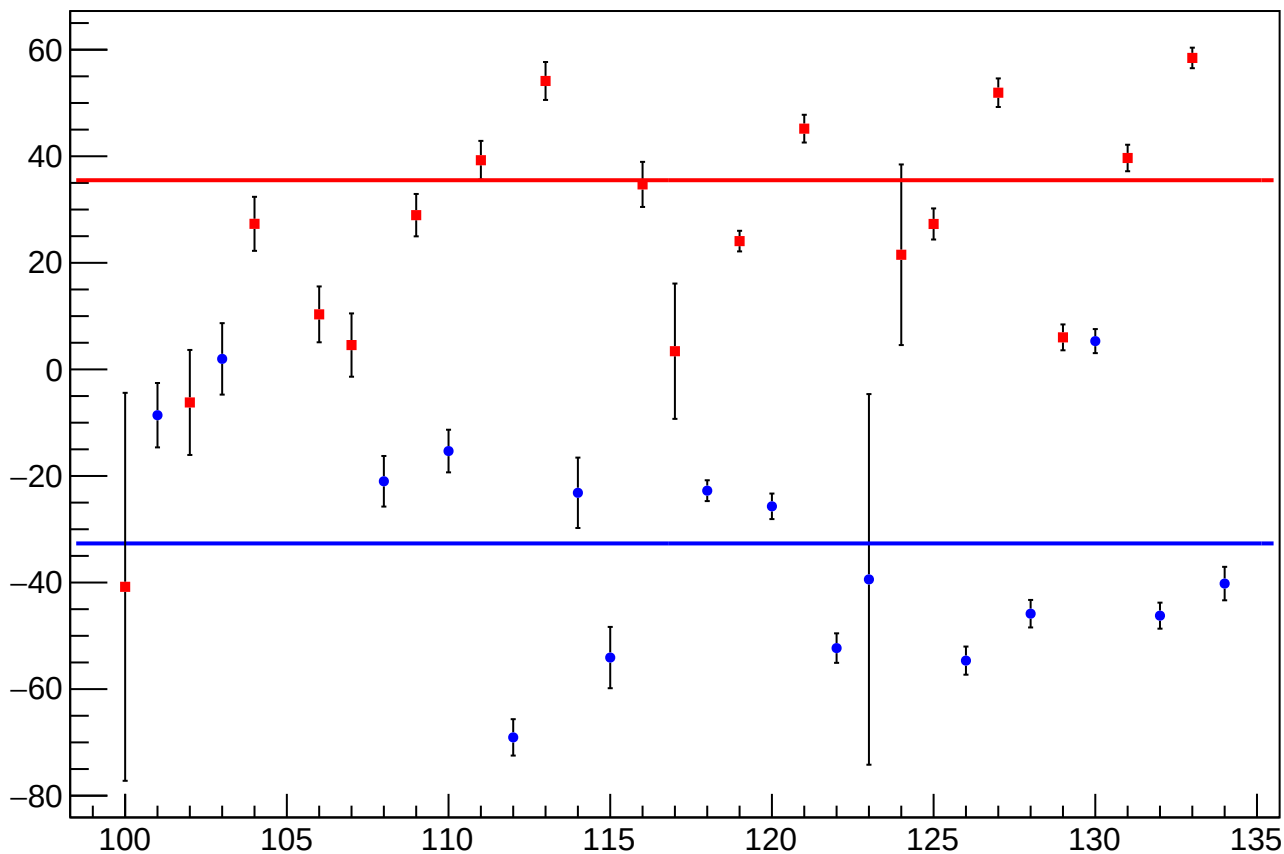
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

68.013+/-1.326  $\chi^2/\text{NDF}$ : 1098.1/15

-6.282+/-0.923  $\chi^2/\text{NDF}$ : 8656.4/33

-75.945+/-1.284  $\chi^2/\text{NDF}$ : 1476.9/17

reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -32.661 $\pm$ 0.785  $\chi^2$ /NDF: 696.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 35.504 $\pm$ 0.774  $\chi^2$ /NDF: 499.7/17

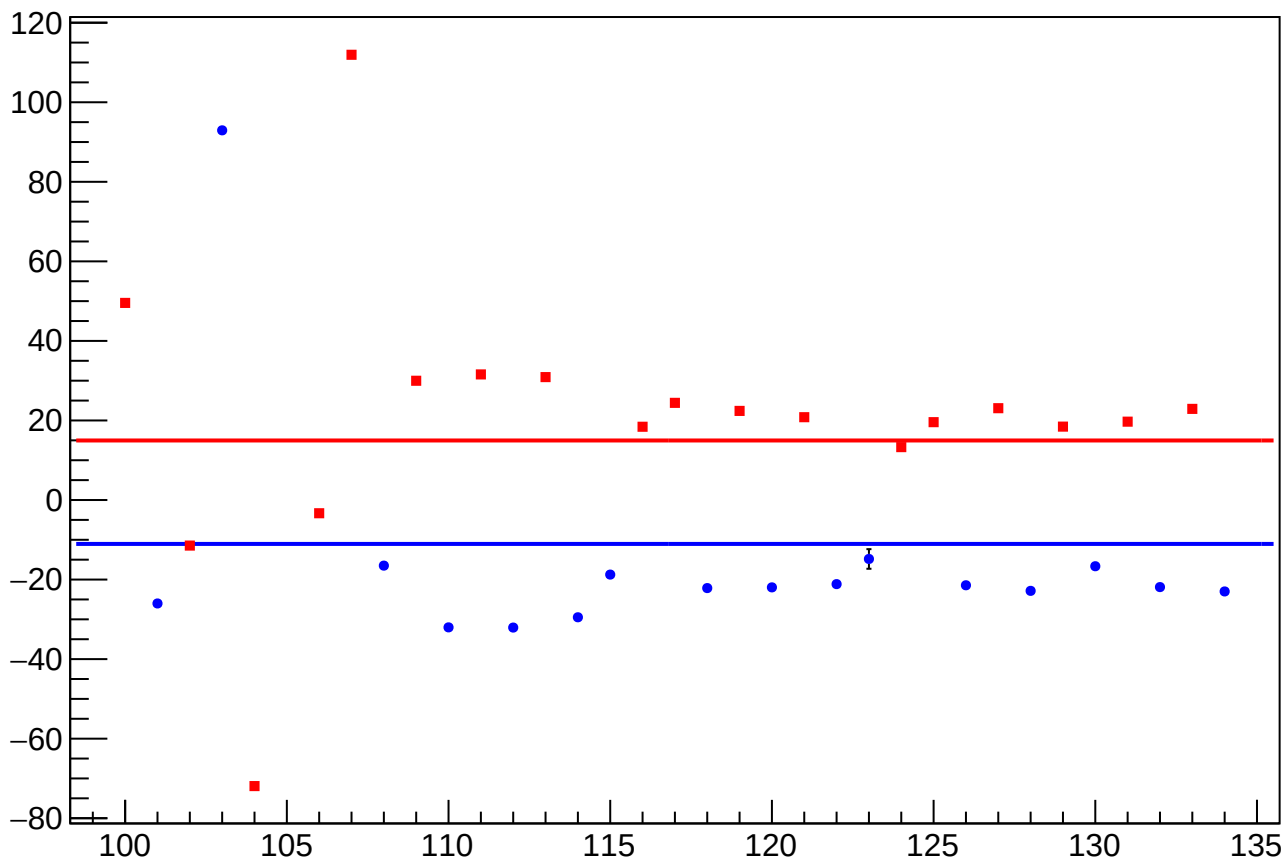
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-32.661 $\pm$ 0.785  $\chi^2$ /NDF: 696.2/15

1.932 $\pm$ 0.551  $\chi^2$ /NDF: 5018.0/33

35.504 $\pm$ 0.774  $\chi^2$ /NDF: 499.7/17

reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -11.040 $\pm$ 0.052  $\chi^2$ /NDF: 432772.3/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 14.969 $\pm$ 0.051  $\chi^2$ /NDF: 406631.0/17

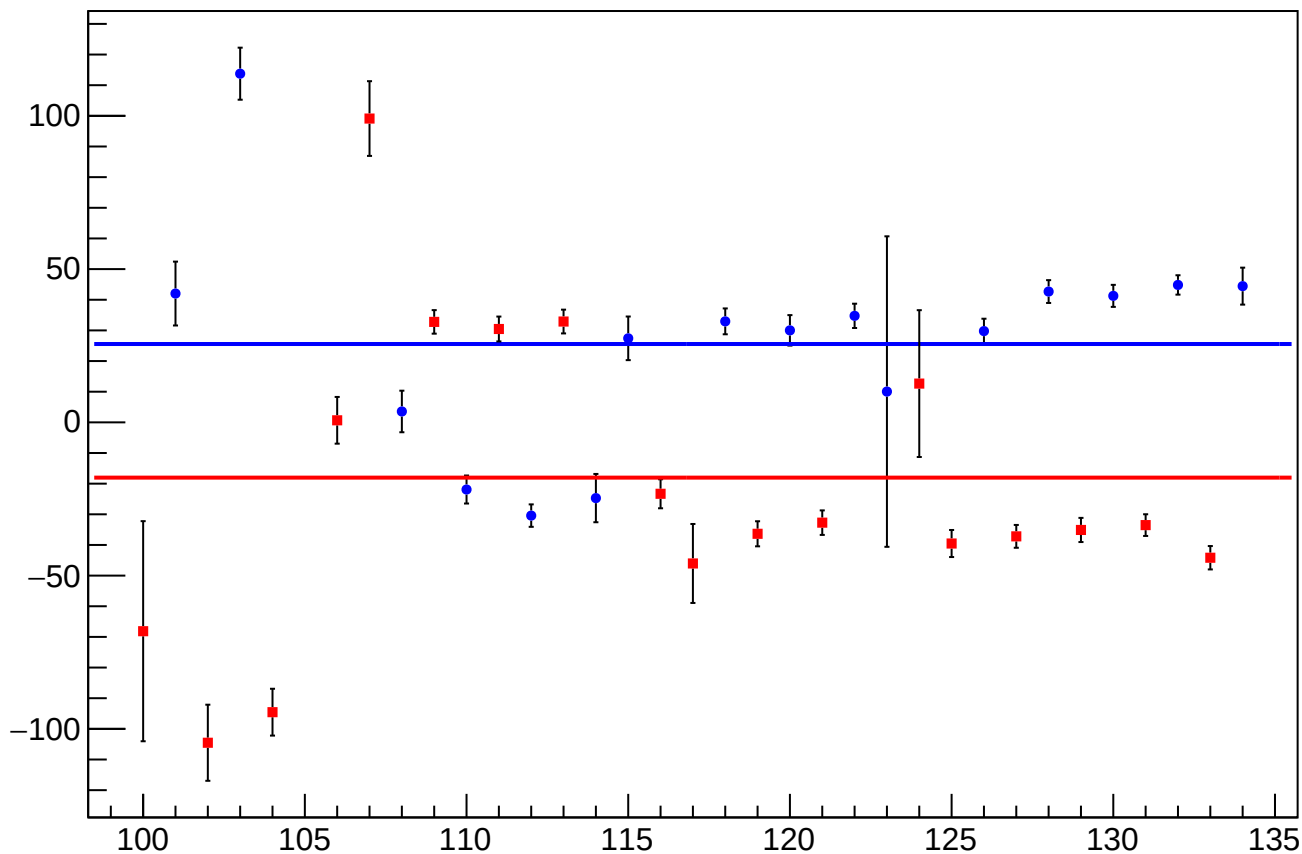
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-11.040 $\pm$ 0.052  $\chi^2$ /NDF: 432772.3/15

2.087 $\pm$ 0.036  $\chi^2$ /NDF: 967466.4/33

14.969 $\pm$ 0.051  $\chi^2$ /NDF: 406631.0/17

reg\_asym\_at1\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 25.559+/-1.193  $\chi^2$ /NDF: 601.3/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -18.032+/-1.151  $\chi^2$ /NDF: 916.2/17

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

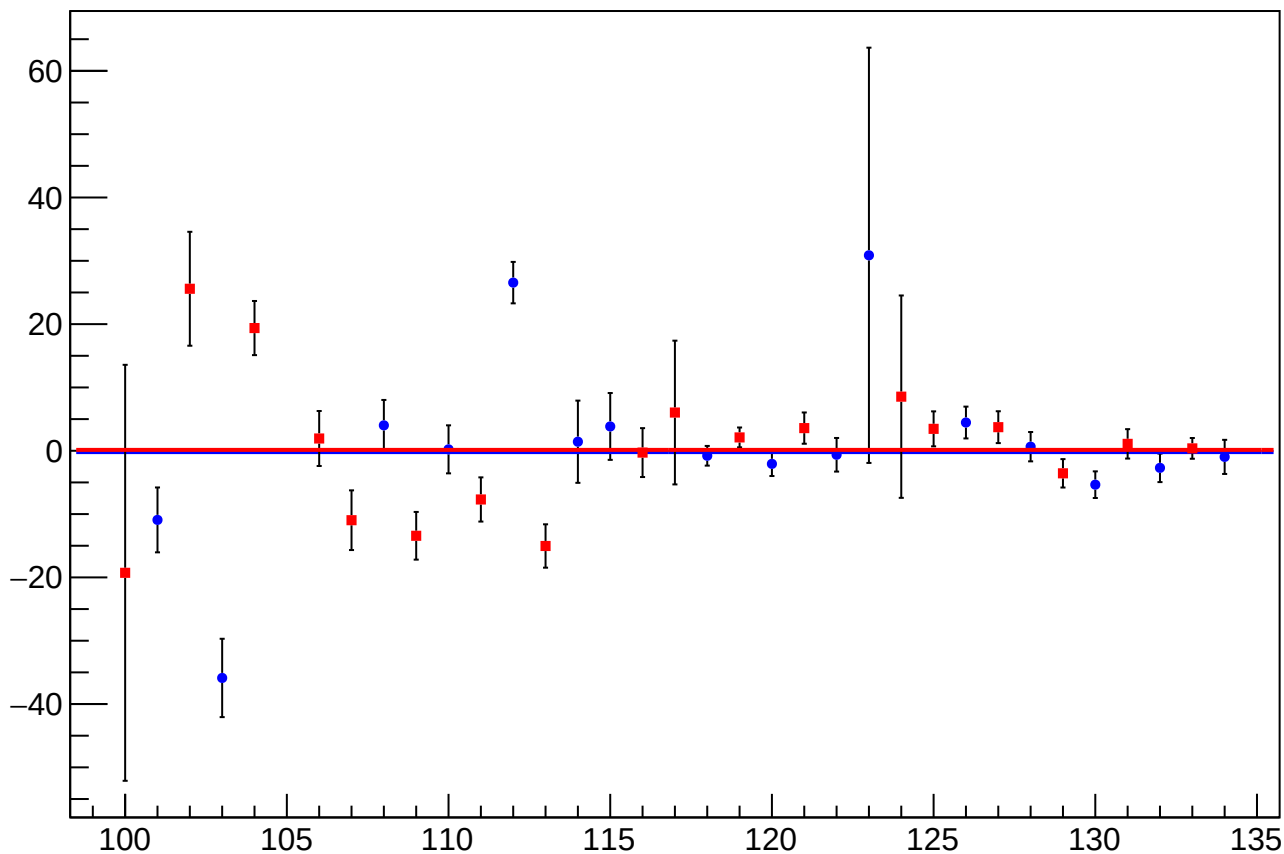
25.559+/-1.193  $\chi^2$ /NDF: 601.3/15

2.982+/-0.828  $\chi^2$ /NDF: 2208.8/33

-18.032+/-1.151  $\chi^2$ /NDF: 916.2/17



reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.210+/-0.693  $\chi^2$ /NDF: 119.2/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.139+/-0.690  $\chi^2$ /NDF: 82.4/17

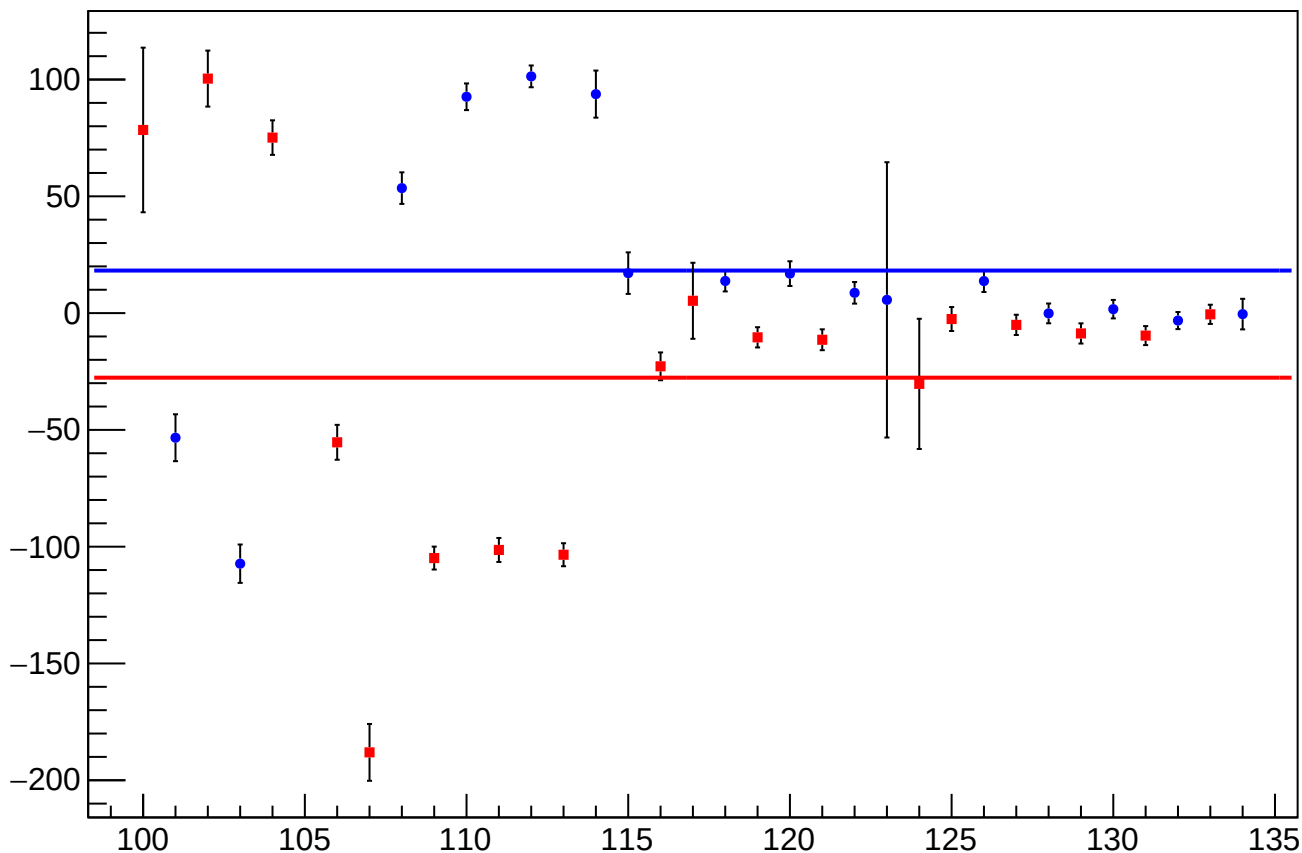
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-0.210+/-0.693  $\chi^2$ /NDF: 119.2/15

-0.035+/-0.489  $\chi^2$ /NDF: 201.7/33

0.139+/-0.690  $\chi^2$ /NDF: 82.4/17

reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 18.217+/-1.358  $\chi^2$ /NDF: 940.6/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -27.641+/-1.322  $\chi^2$ /NDF: 1361.5/17

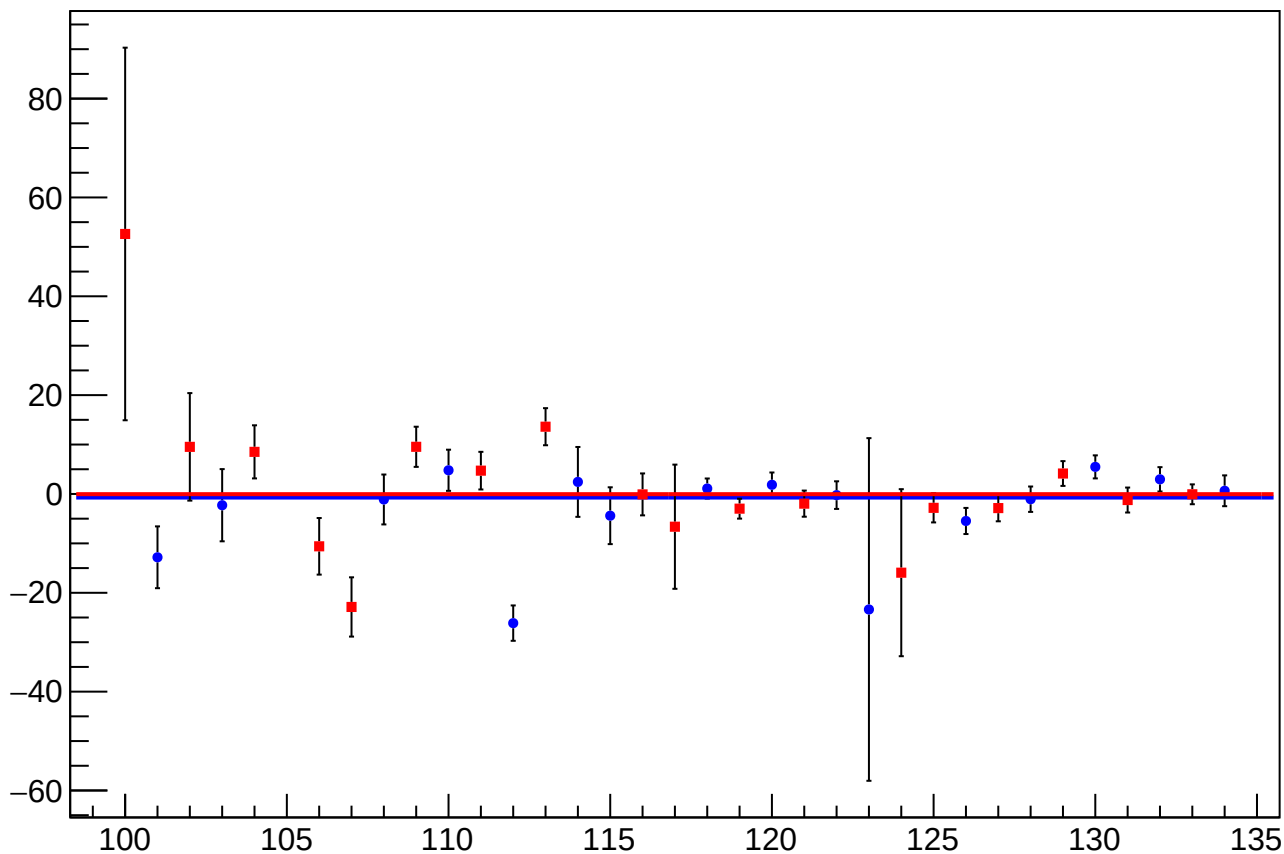
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

18.217+/-1.358  $\chi^2$ /NDF: 940.6/15

-5.333+/-0.947  $\chi^2$ /NDF: 2887.4/33

-27.641+/-1.322  $\chi^2$ /NDF: 1361.5/17

reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-0.727 \pm 0.803$   $\chi^2/\text{NDF}$ : 71.7/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.041 \pm 0.797$   $\chi^2/\text{NDF}$ : 52.3/17

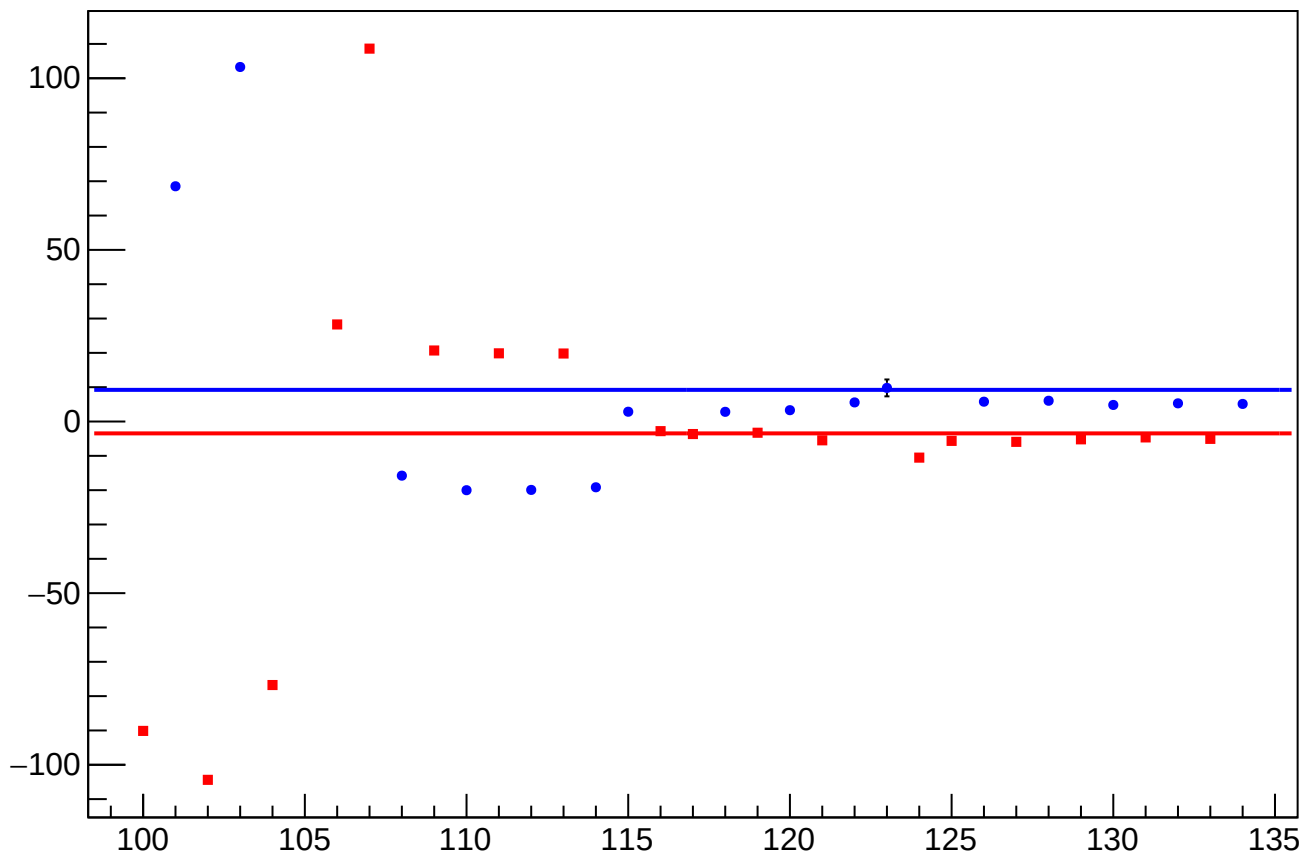
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-0.727 \pm 0.803$   $\chi^2/\text{NDF}$ : 71.7/15

$-0.381 \pm 0.566$   $\chi^2/\text{NDF}$ : 124.4/33

$-0.041 \pm 0.797$   $\chi^2/\text{NDF}$ : 52.3/17

reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 9.223+/-0.053  $\chi^2/\text{NDF}$ : 352376.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.456+/-0.053  $\chi^2/\text{NDF}$ : 510576.8/17

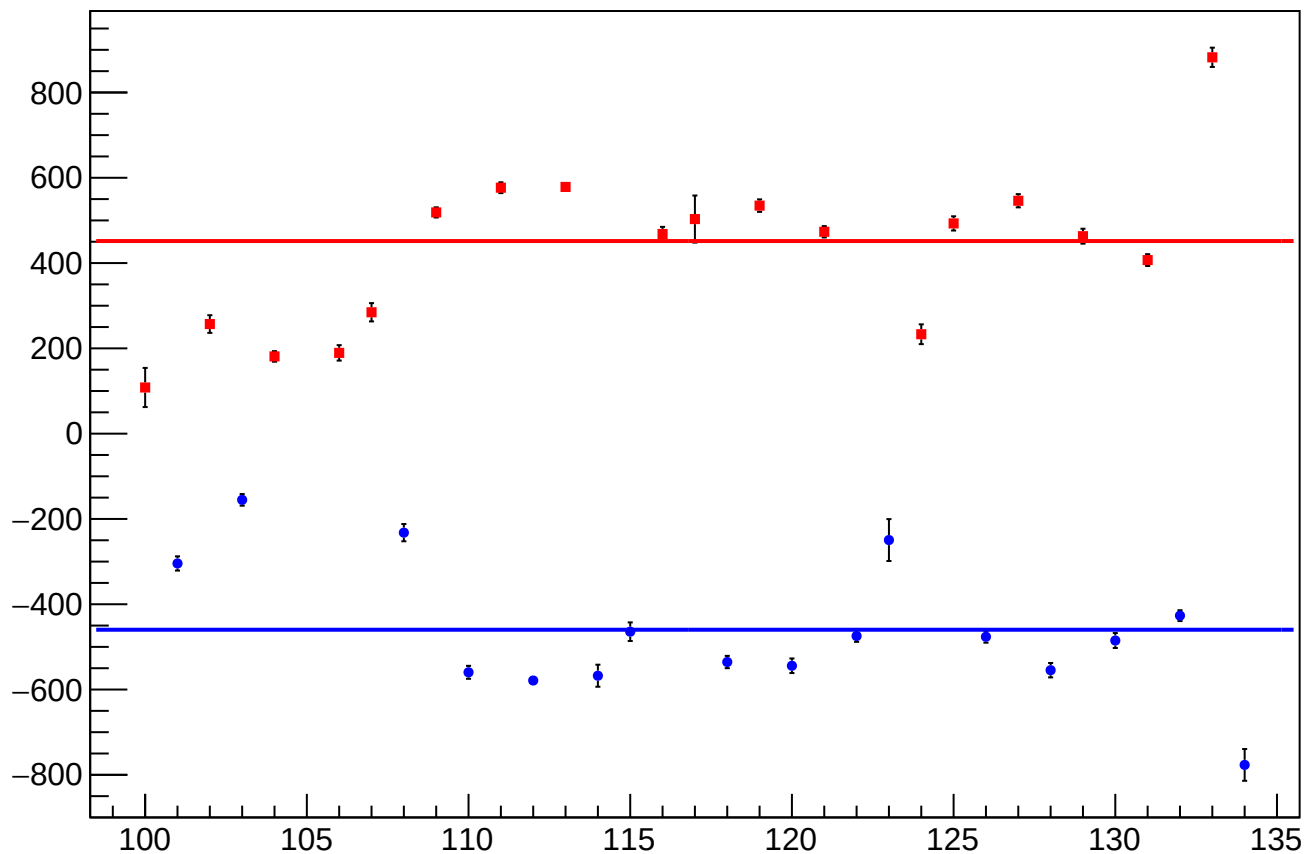
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

9.223+/-0.053  $\chi^2/\text{NDF}$ : 352376.3/15

2.876+/-0.038  $\chi^2/\text{NDF}$ : 891447.3/33

-3.456+/-0.053  $\chi^2/\text{NDF}$ : 510576.8/17

reg\_asym\_at2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -459.775+/-4.065  $\chi^2$ /NDF: 1078.0/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 451.654+/-3.796  $\chi^2$ /NDF: 1682.7/17

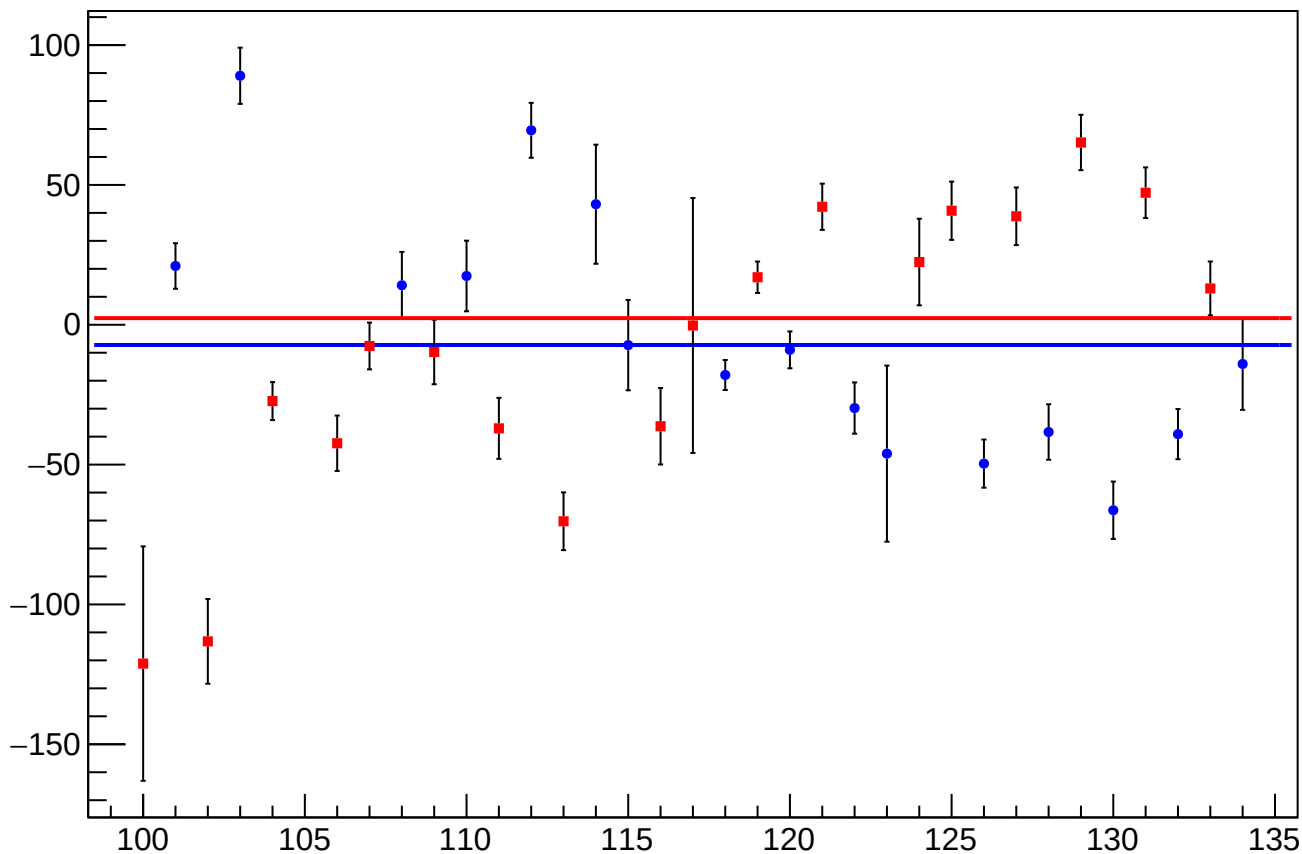
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-459.775+/-4.065  $\chi^2$ /NDF: 1078.0/15

27.096+/-2.774  $\chi^2$ /NDF: 29620.1/33

451.654+/-3.796  $\chi^2$ /NDF: 1682.7/17

reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-7.235 \pm 2.393$   $\chi^2/\text{NDF}$ : 269.2/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $2.374 \pm 2.327$   $\chi^2/\text{NDF}$ : 303.3/17

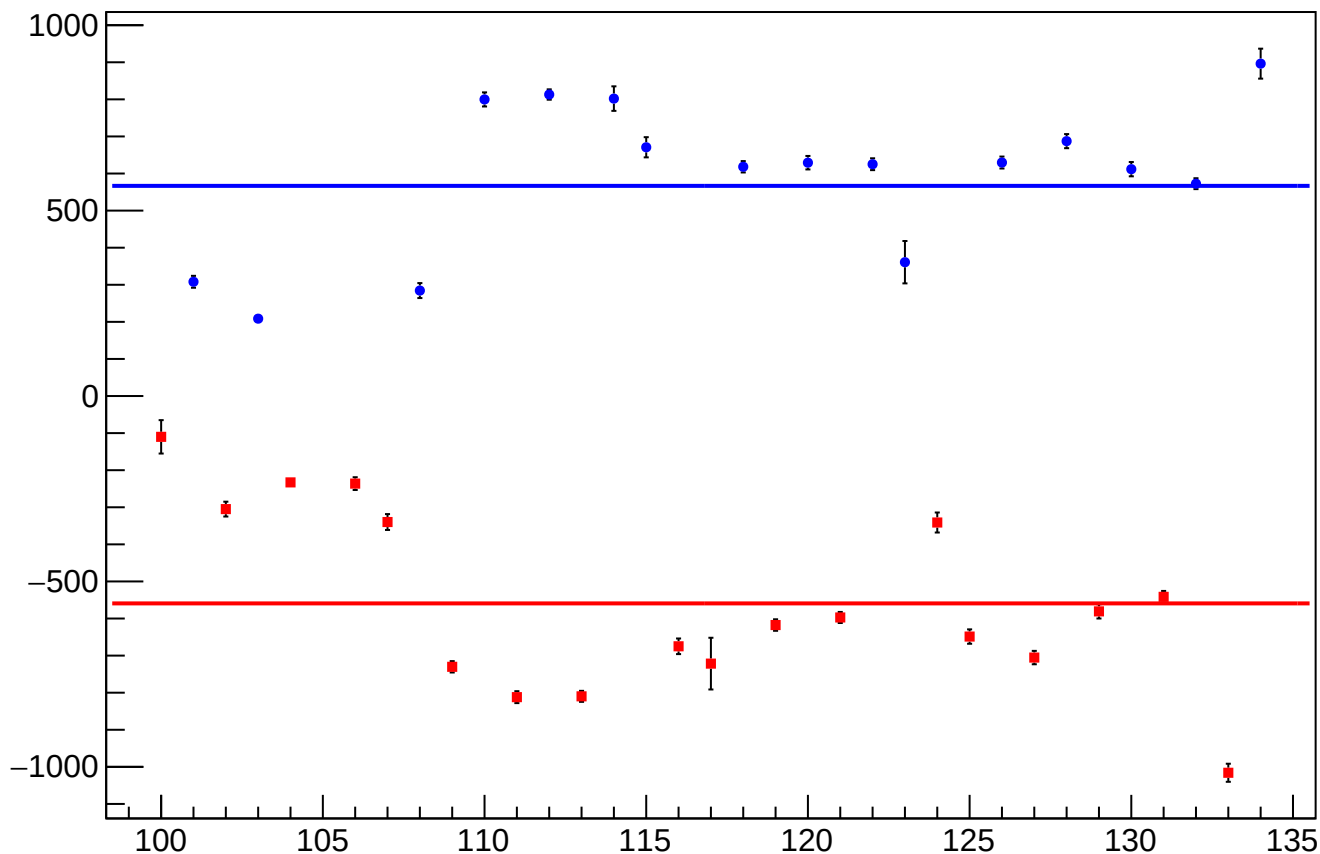
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-7.235 \pm 2.393$   $\chi^2/\text{NDF}$ : 269.2/15

$-2.297 \pm 1.668$   $\chi^2/\text{NDF}$ : 580.7/33

$2.374 \pm 2.327$   $\chi^2/\text{NDF}$ : 303.3/17

reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 566.726+/-4.549  $\chi^2/\text{NDF}$ : 1898.5/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -559.213+/-4.273  $\chi^2/\text{NDF}$ : 2679.3/17

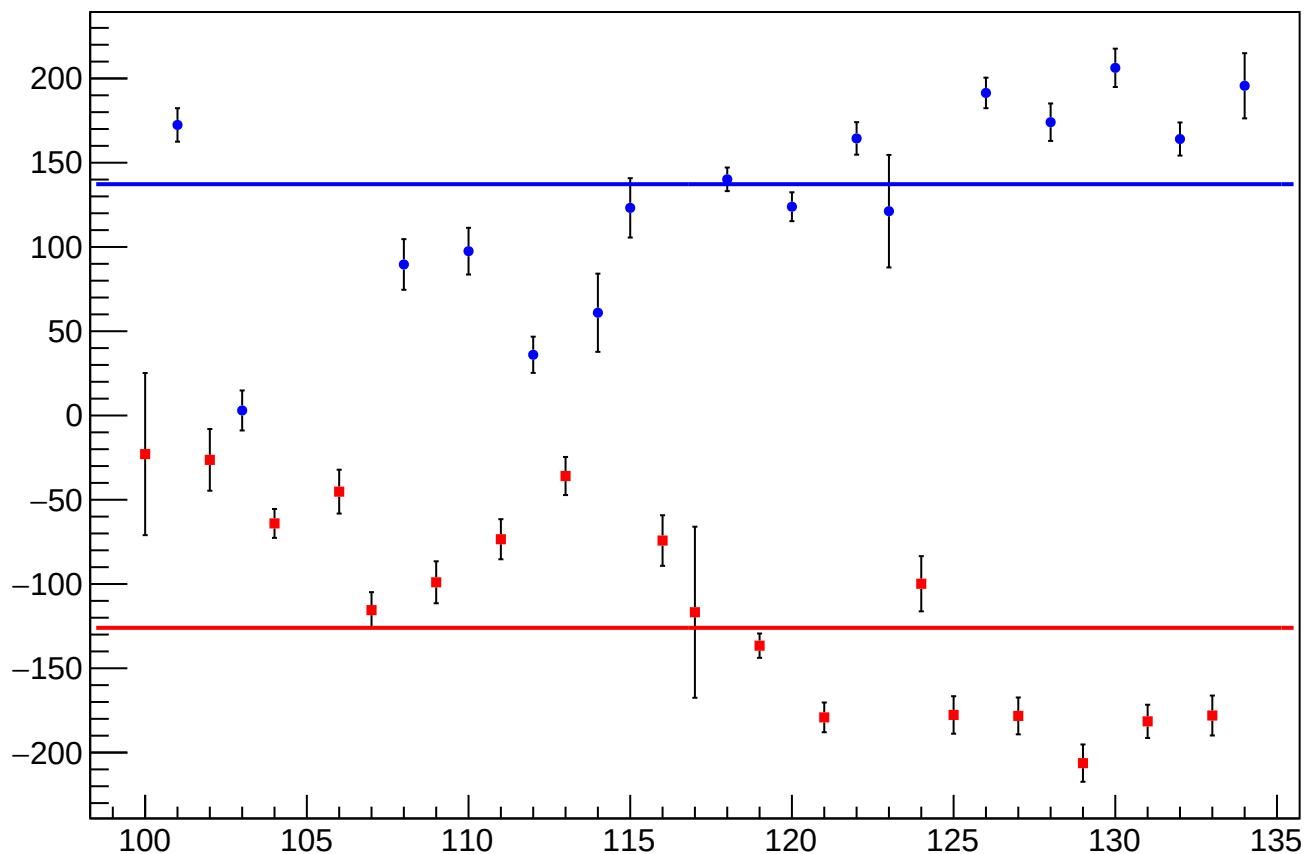
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

566.726+/-4.549  $\chi^2/\text{NDF}$ : 1898.5/15

-31.458+/-3.115  $\chi^2/\text{NDF}$ : 37119.3/33

-559.213+/-4.273  $\chi^2/\text{NDF}$ : 2679.3/17

reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 137.260 $\pm$ 2.802  $\chi^2$ /NDF: 370.0/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -125.996 $\pm$ 2.715  $\chi^2$ /NDF: 414.5/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

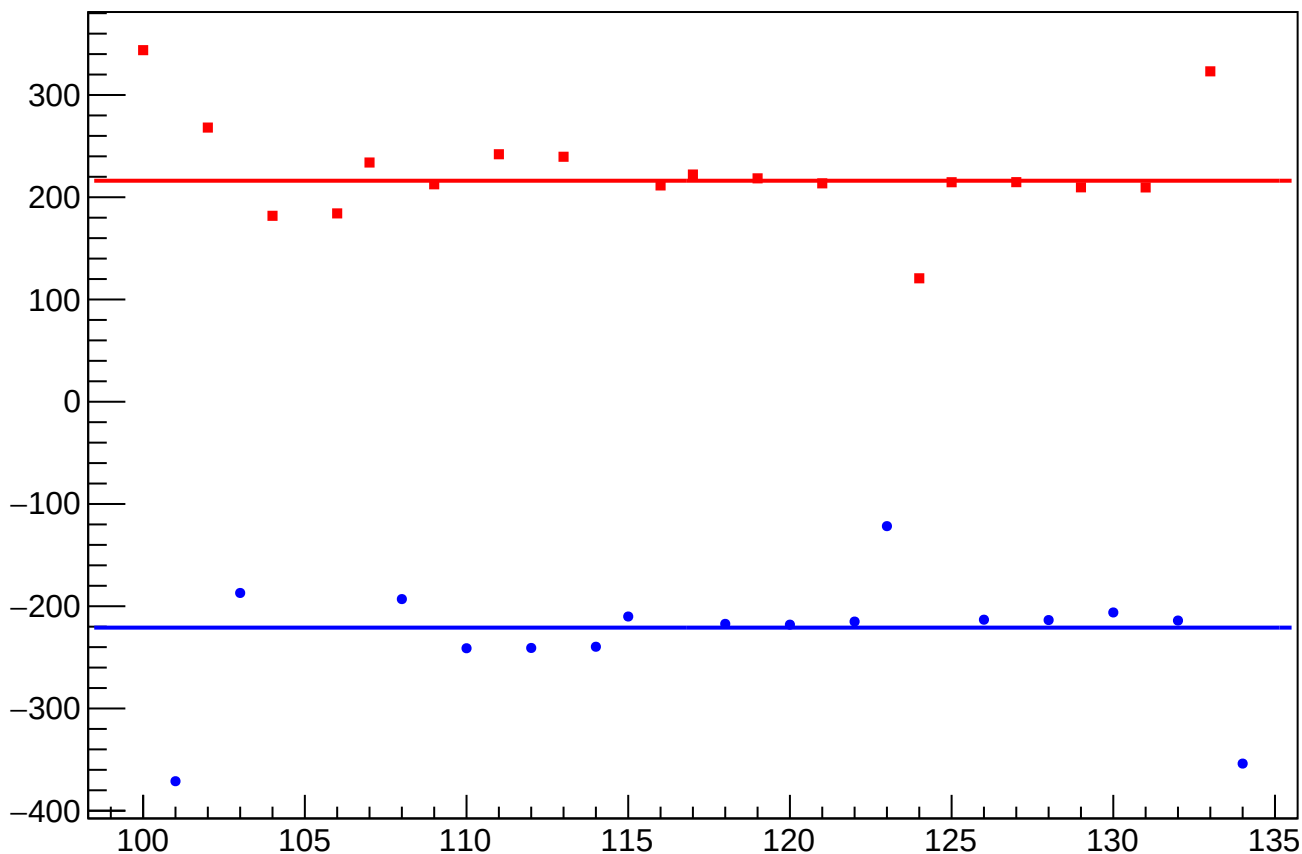
137.260 $\pm$ 2.802  $\chi^2$ /NDF: 370.0/15

1.477 $\pm$ 1.950  $\chi^2$ /NDF: 5337.5/33

-125.996 $\pm$ 2.715  $\chi^2$ /NDF: 414.5/17



reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-220.913 \pm 0.162$   $\chi^2/\text{NDF}$ : 102419.2/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $216.152 \pm 0.151$   $\chi^2/\text{NDF}$ : 60453.1/17

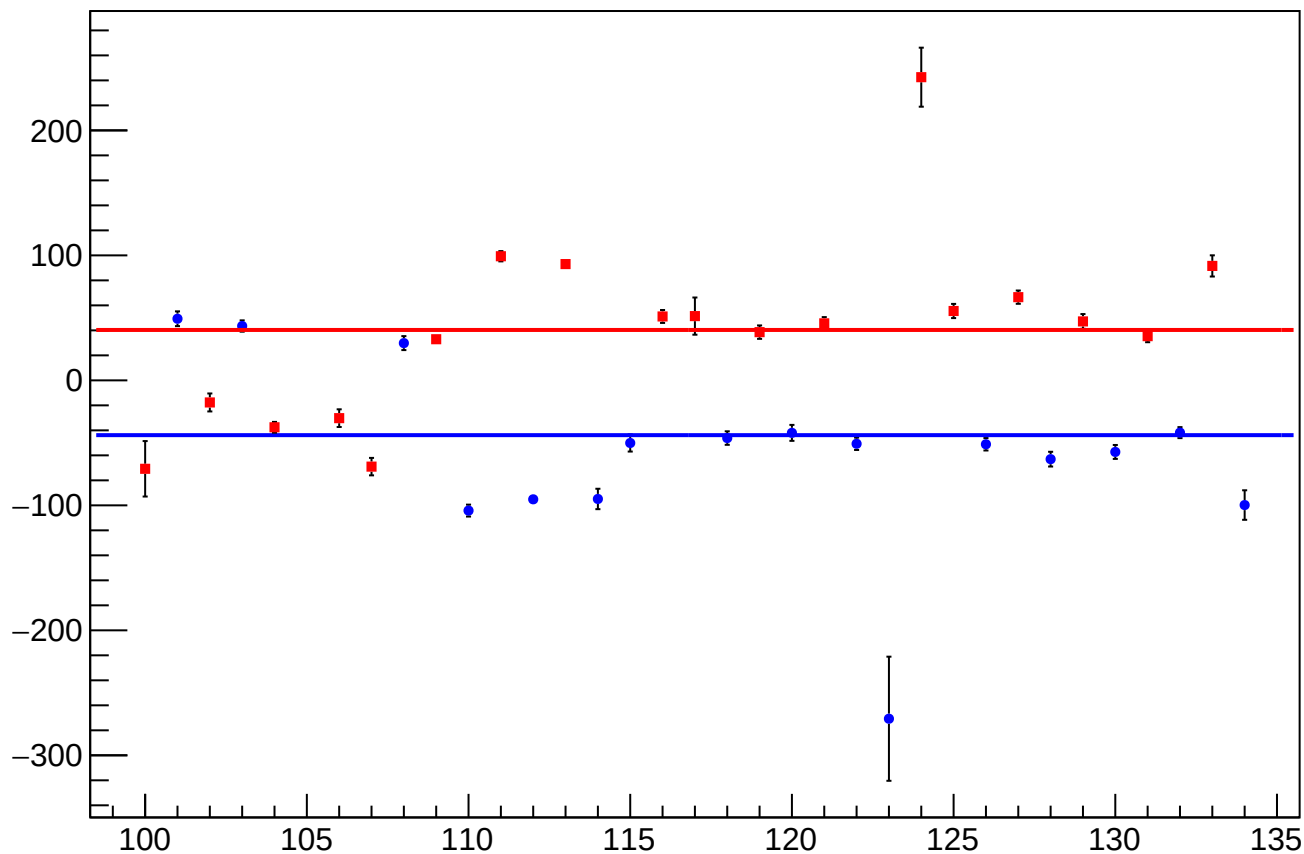
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-220.913 \pm 0.162$   $\chi^2/\text{NDF}$ : 102419.2/15

$12.865 \pm 0.110$   $\chi^2/\text{NDF}$ : 4060833.8/33

$216.152 \pm 0.151$   $\chi^2/\text{NDF}$ : 60453.1/17

reg\_asym\_at2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-43.835 \pm 1.382$   $\chi^2/\text{NDF}: 1252.4/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $40.327 \pm 1.261$   $\chi^2/\text{NDF}: 1309.8/17$

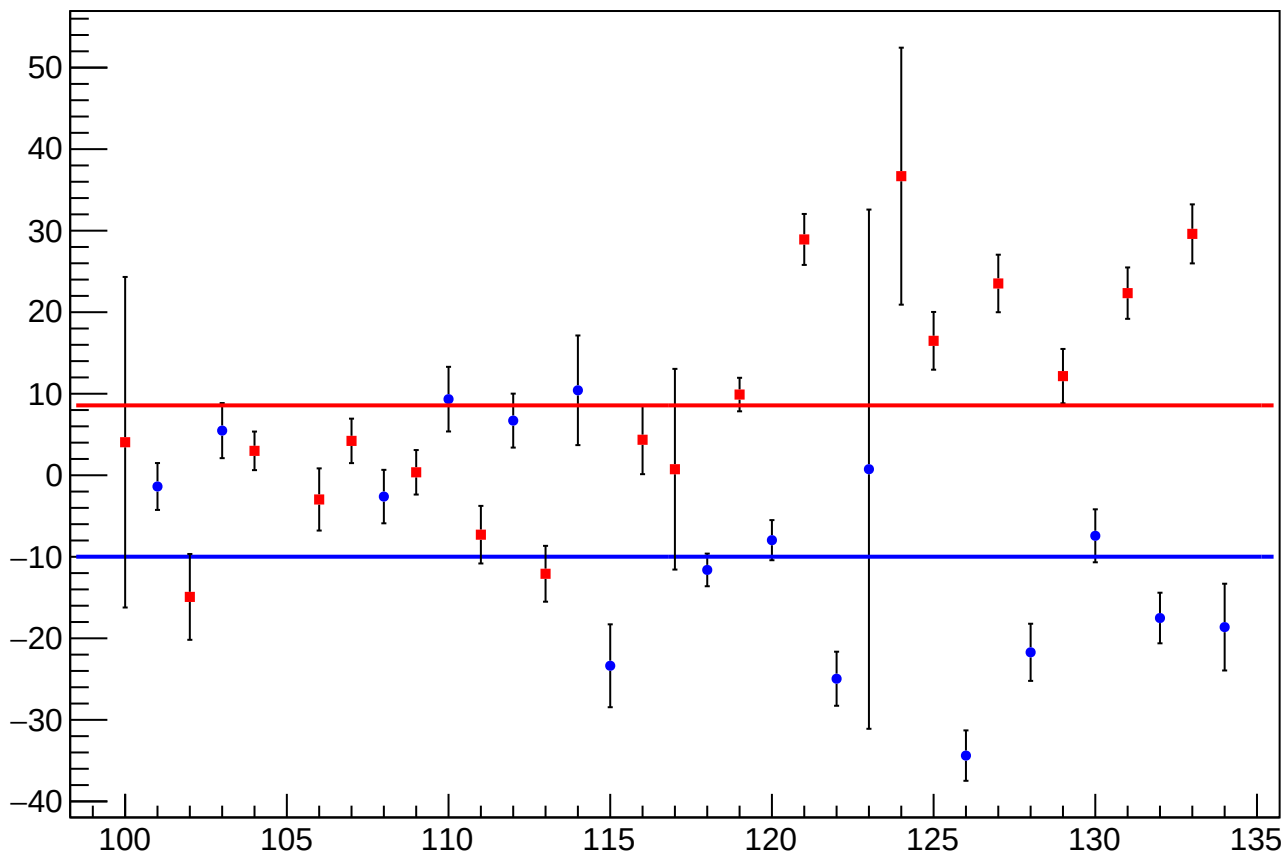
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$-43.835 \pm 1.382$   $\chi^2/\text{NDF}: 1252.4/15$

$2.109 \pm 0.932$   $\chi^2/\text{NDF}: 4585.6/33$

$40.327 \pm 1.261$   $\chi^2/\text{NDF}: 1309.8/17$

reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-9.989 \pm 0.832$   $\chi^2/\text{NDF}$ : 204.7/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $8.571 \pm 0.802$   $\chi^2/\text{NDF}$ : 227.2/17

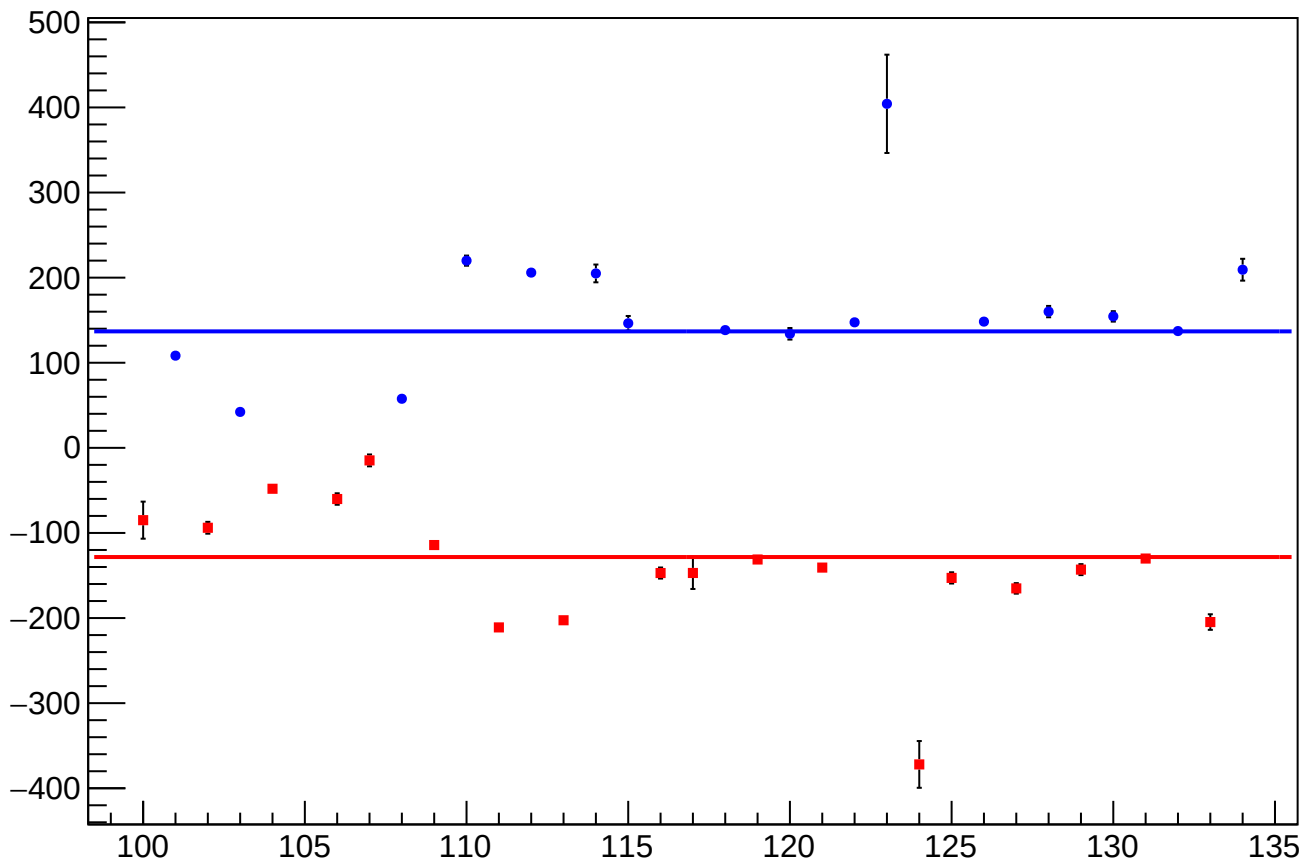
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-9.989 \pm 0.832$   $\chi^2/\text{NDF}$ : 204.7/15

$-0.372 \pm 0.578$   $\chi^2/\text{NDF}$ : 689.7/33

$8.571 \pm 0.802$   $\chi^2/\text{NDF}$ : 227.2/17

reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 136.863 $\pm$ 1.548  $\chi^2$ /NDF: 1229.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -128.303 $\pm$ 1.443  $\chi^2$ /NDF: 1478.3/17

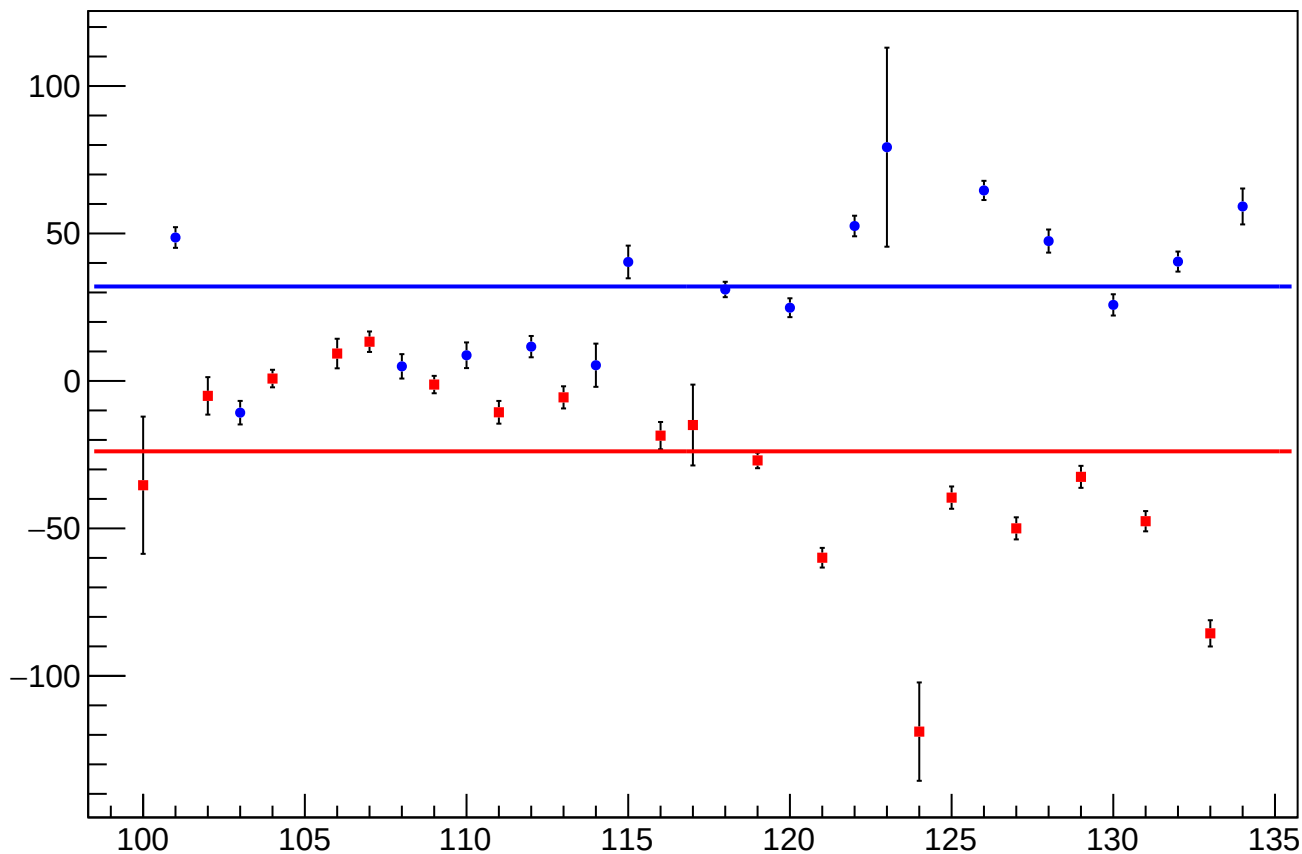
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

136.863 $\pm$ 1.548  $\chi^2$ /NDF: 1229.6/15

-4.949 $\pm$ 1.055  $\chi^2$ /NDF: 18410.4/33

-128.303 $\pm$ 1.443  $\chi^2$ /NDF: 1478.3/17

reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 32.028+/-0.971  $\chi^2$ /NDF: 442.7/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -23.869+/-0.932  $\chi^2$ /NDF: 794.5/17

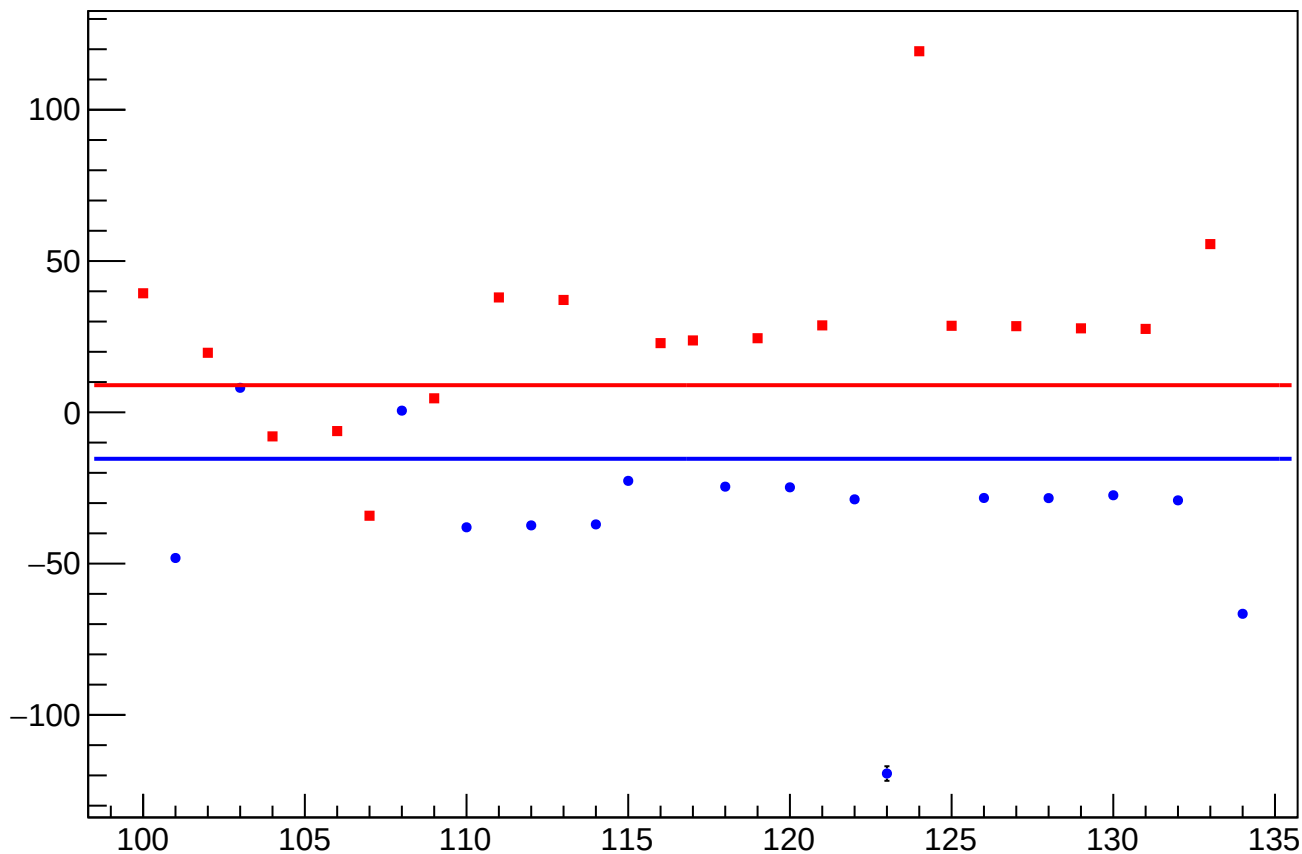
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

32.028+/-0.971  $\chi^2$ /NDF: 442.7/15

2.923+/-0.672  $\chi^2$ /NDF: 2963.0/33

-23.869+/-0.932  $\chi^2$ /NDF: 794.5/17

reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-15.358 \pm 0.054$   $\chi^2/\text{NDF}$ : 158614.4/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $8.968 \pm 0.051$   $\chi^2/\text{NDF}$ : 199629.7/17

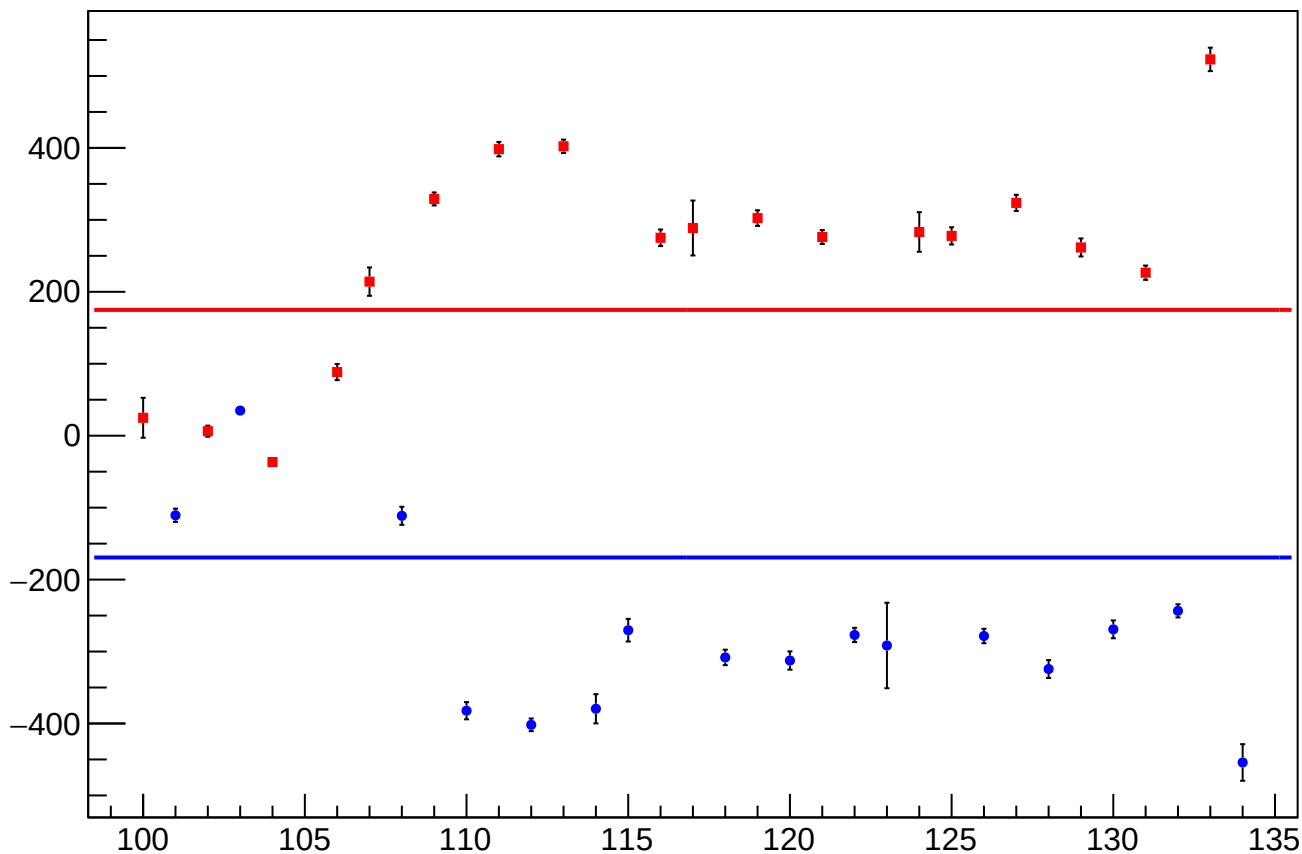
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-15.358 \pm 0.054$   $\chi^2/\text{NDF}$ : 158614.4/15

$-2.707 \pm 0.037$   $\chi^2/\text{NDF}$ : 465624.5/33

$8.968 \pm 0.051$   $\chi^2/\text{NDF}$ : 199629.7/17

reg\_asym\_atl1r2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -169.275+/-2.475  $\chi^2/\text{NDF}$ : 4551.6/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 174.856+/-2.387  $\chi^2/\text{NDF}$ : 5297.0/17

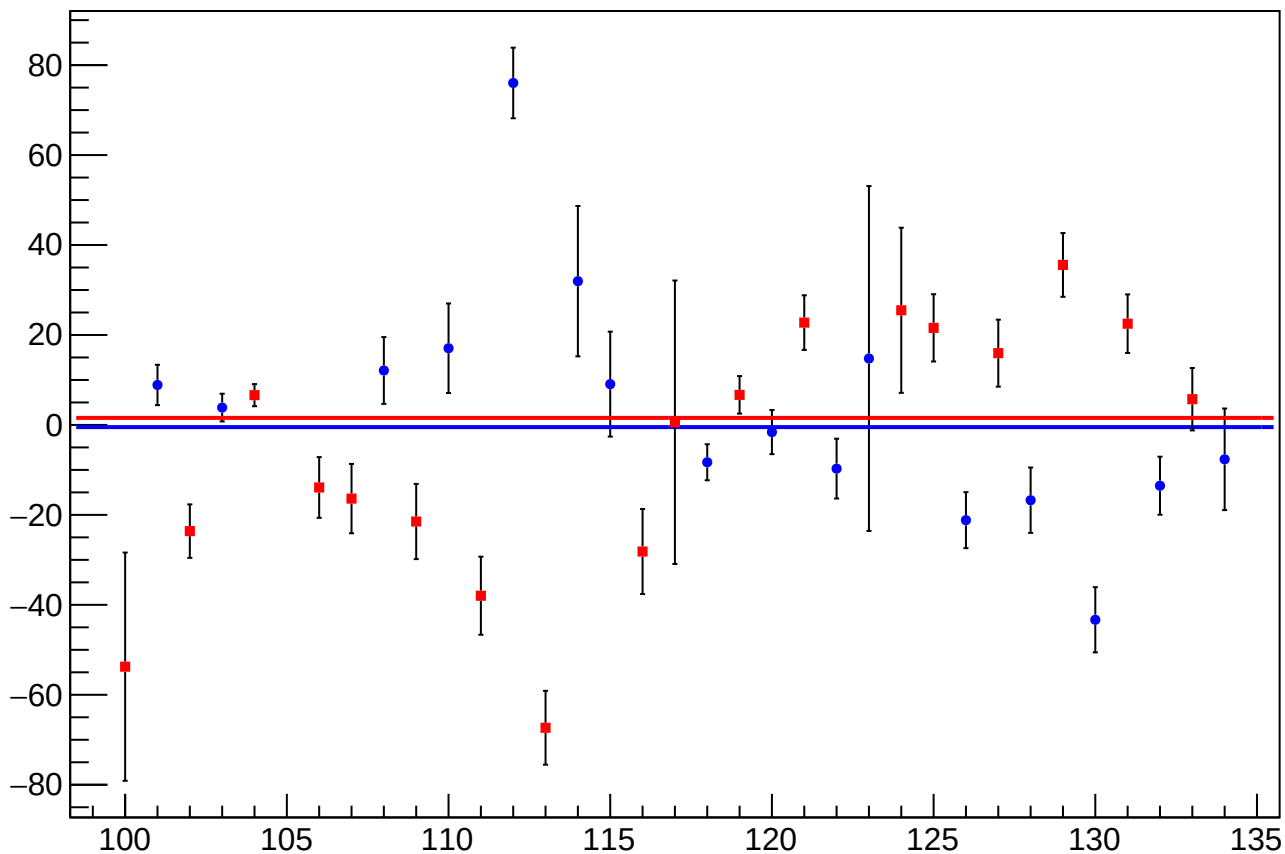
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-169.275+/-2.475  $\chi^2/\text{NDF}$ : 4551.6/15

8.994+/-1.718  $\chi^2/\text{NDF}$ : 19863.2/33

174.856+/-2.387  $\chi^2/\text{NDF}$ : 5297.0/17

reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.484+/-1.519  $\chi^2$ /NDF: 173.3/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.567+/-1.449  $\chi^2$ /NDF: 206.2/17

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

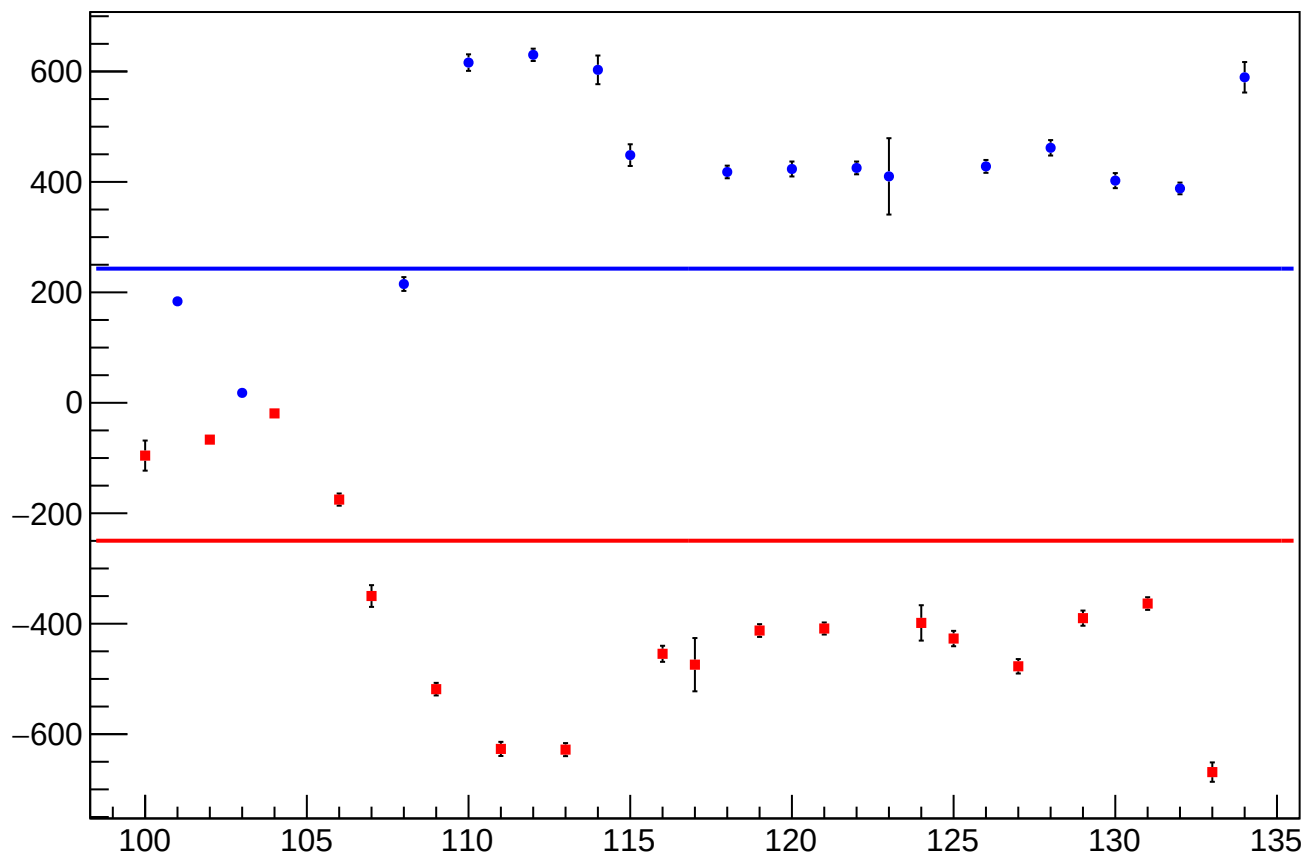
-0.484+/-1.519  $\chi^2$ /NDF: 173.3/15

0.590+/-1.048  $\chi^2$ /NDF: 380.4/33

1.567+/-1.449  $\chi^2$ /NDF: 206.2/17



reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 242.953+/-2.622  $\chi^2/\text{NDF}$ : 6903.8/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -249.712+/-2.554  $\chi^2/\text{NDF}$ : 7858.8/17

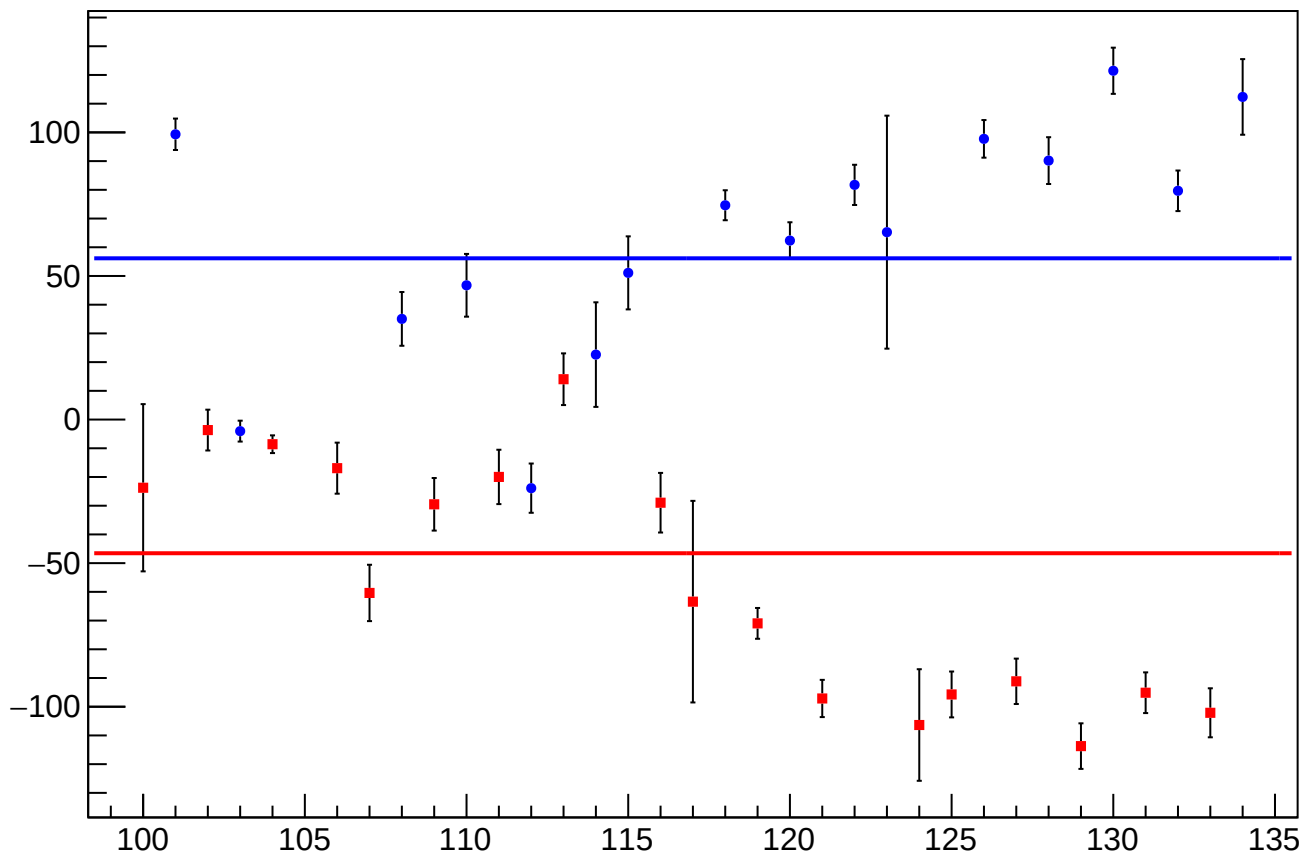
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

242.953+/-2.622  $\chi^2/\text{NDF}$ : 6903.8/15

-9.808+/-1.830  $\chi^2/\text{NDF}$ : 32876.8/33

-249.712+/-2.554  $\chi^2/\text{NDF}$ : 7858.8/17

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 56.153+/-1.786  $\chi^2$ /NDF: 612.3/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -46.552+/-1.723  $\chi^2$ /NDF: 583.1/17

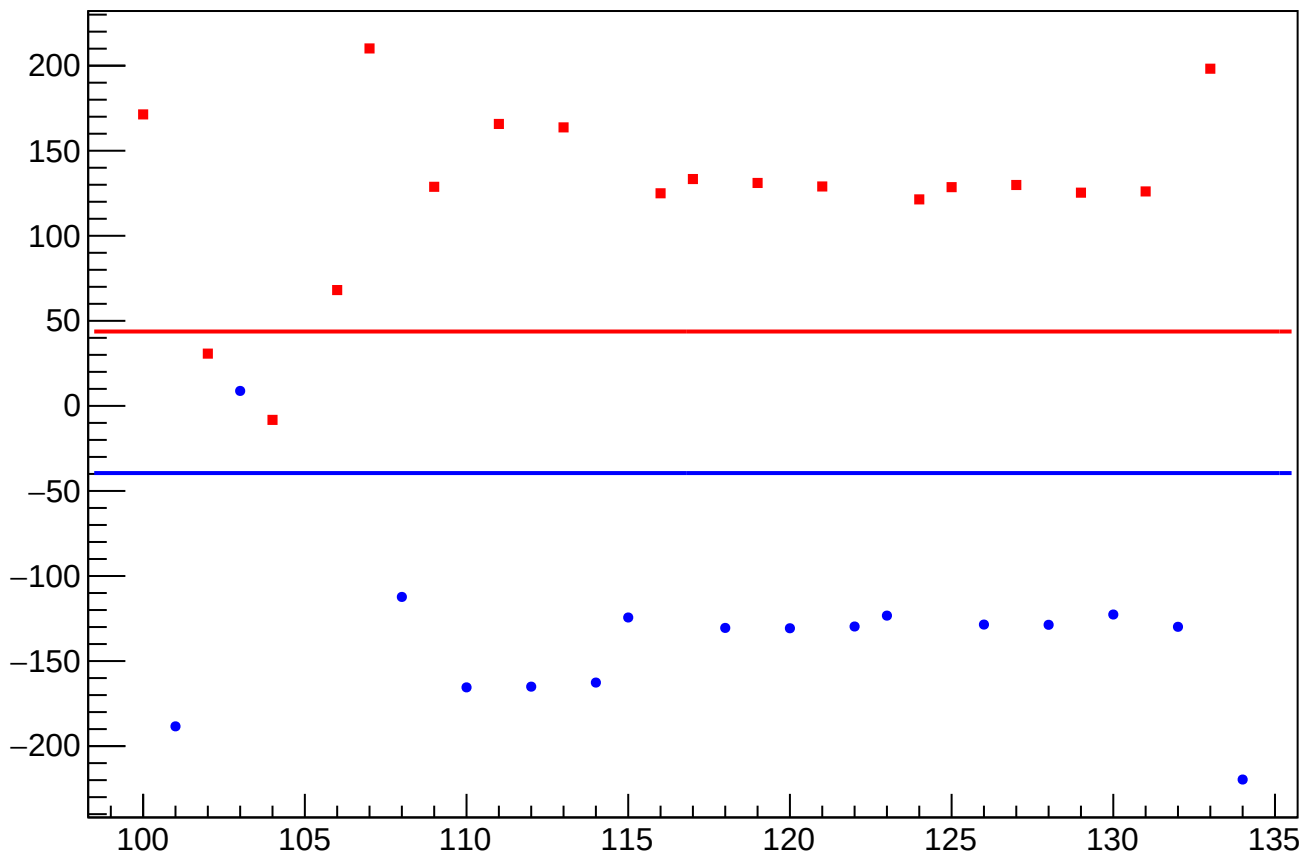
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

56.153+/-1.786  $\chi^2$ /NDF: 612.3/15

2.953+/-1.240  $\chi^2$ /NDF: 2908.4/33

-46.552+/-1.723  $\chi^2$ /NDF: 583.1/17

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -39.491 $\pm$ 0.075  $\chi^2$ /NDF: 936143.9/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 43.725 $\pm$ 0.076  $\chi^2$ /NDF: 742758.8/17

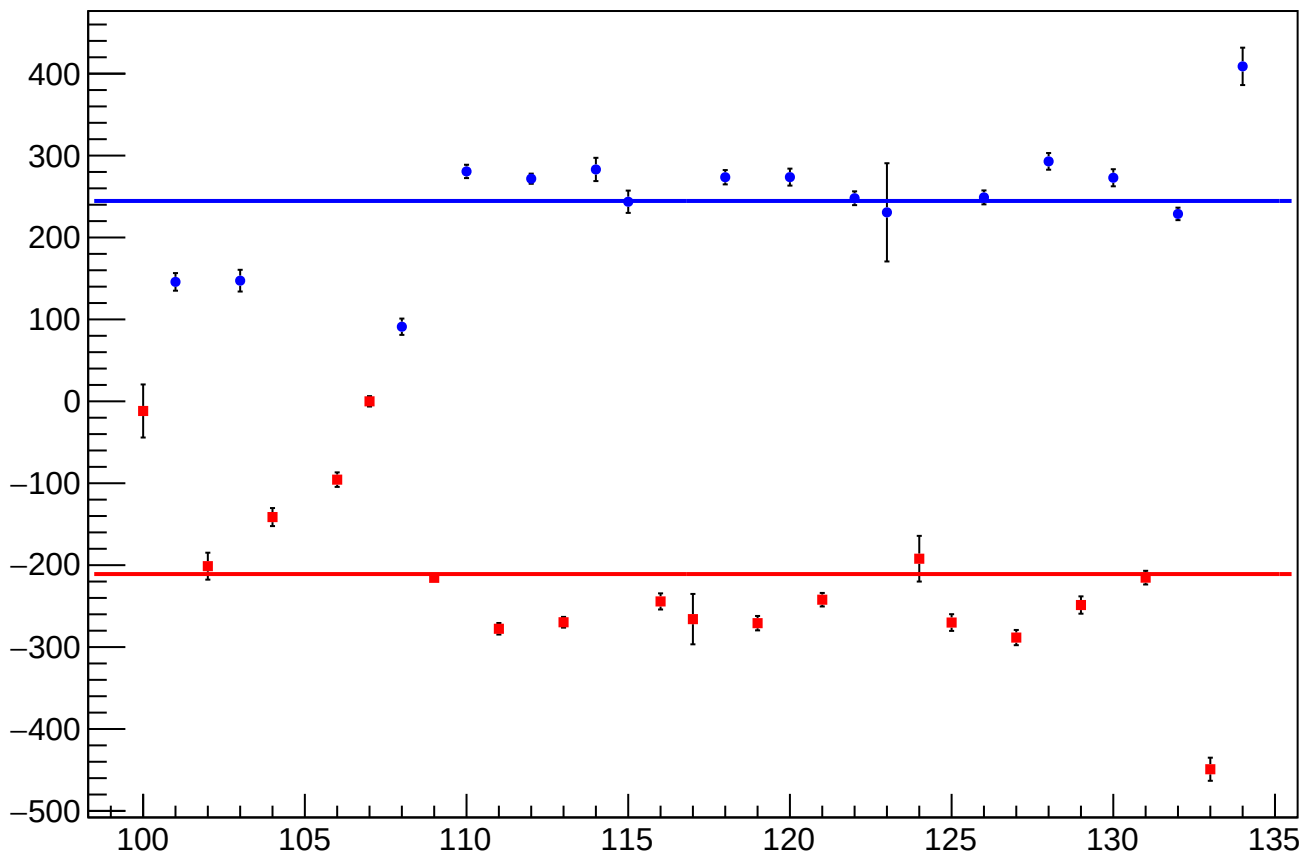
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-39.491 $\pm$ 0.075  $\chi^2$ /NDF: 936143.9/15

1.498 $\pm$ 0.053  $\chi^2$ /NDF: 2286676.4/33

43.725 $\pm$ 0.076  $\chi^2$ /NDF: 742758.8/17

reg\_asym\_atl1r2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 244.606 $\pm$ 2.465  $\chi^2$ /NDF: 527.8/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -210.858 $\pm$ 2.160  $\chi^2$ /NDF: 2005.6/17

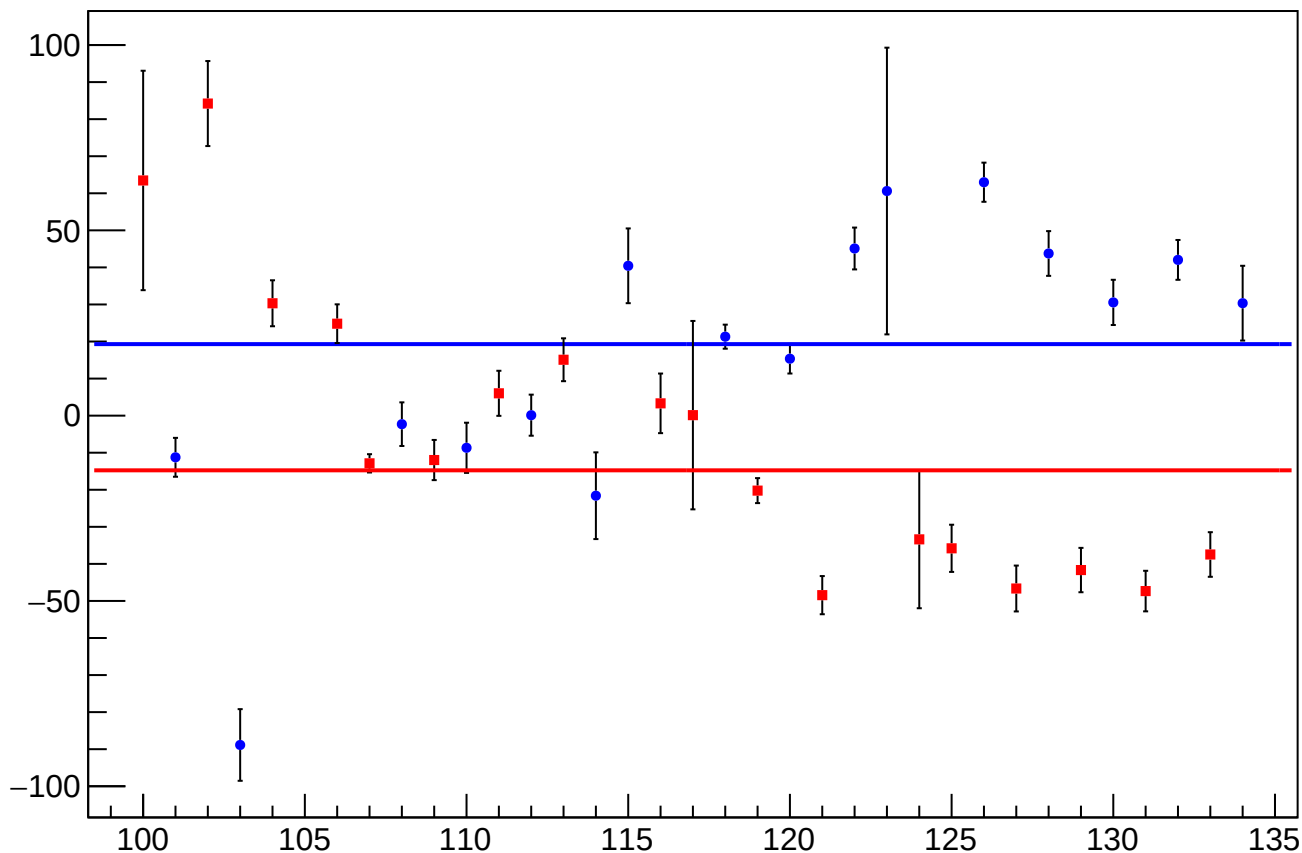
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

244.606 $\pm$ 2.465  $\chi^2$ /NDF: 527.8/15

-13.118 $\pm$ 1.625  $\chi^2$ /NDF: 21844.2/33

-210.858 $\pm$ 2.160  $\chi^2$ /NDF: 2005.6/17

reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 19.300+/-1.456  $\chi^2$ /NDF: 348.9/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -14.756+/-1.278  $\chi^2$ /NDF: 389.9/17

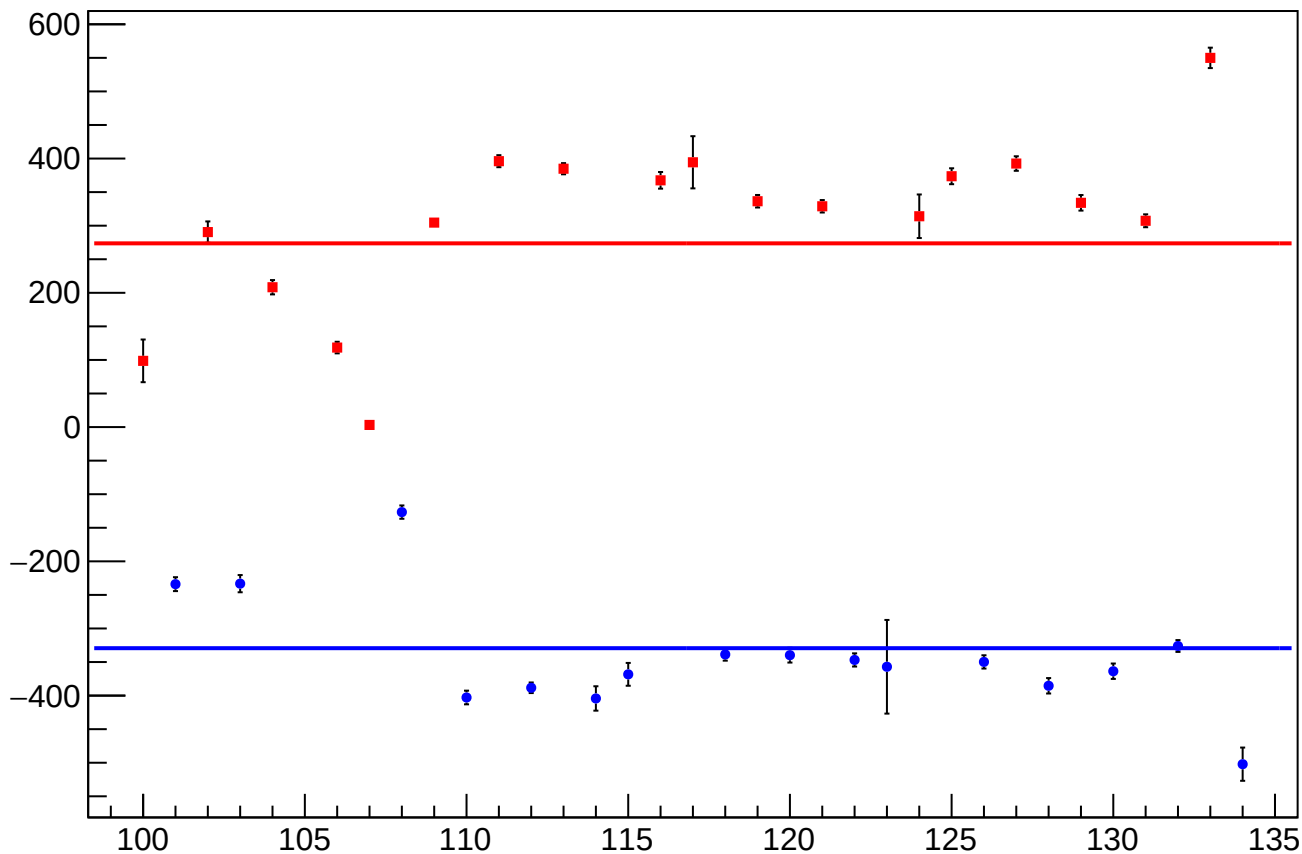
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

19.300+/-1.456  $\chi^2$ /NDF: 348.9/15

0.070+/-0.961  $\chi^2$ /NDF: 1047.7/33

-14.756+/-1.278  $\chi^2$ /NDF: 389.9/17

reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -329.367+/-2.794  $\chi^2$ /NDF: 779.2/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 273.674+/-2.443  $\chi^2$ /NDF: 3319.8/17

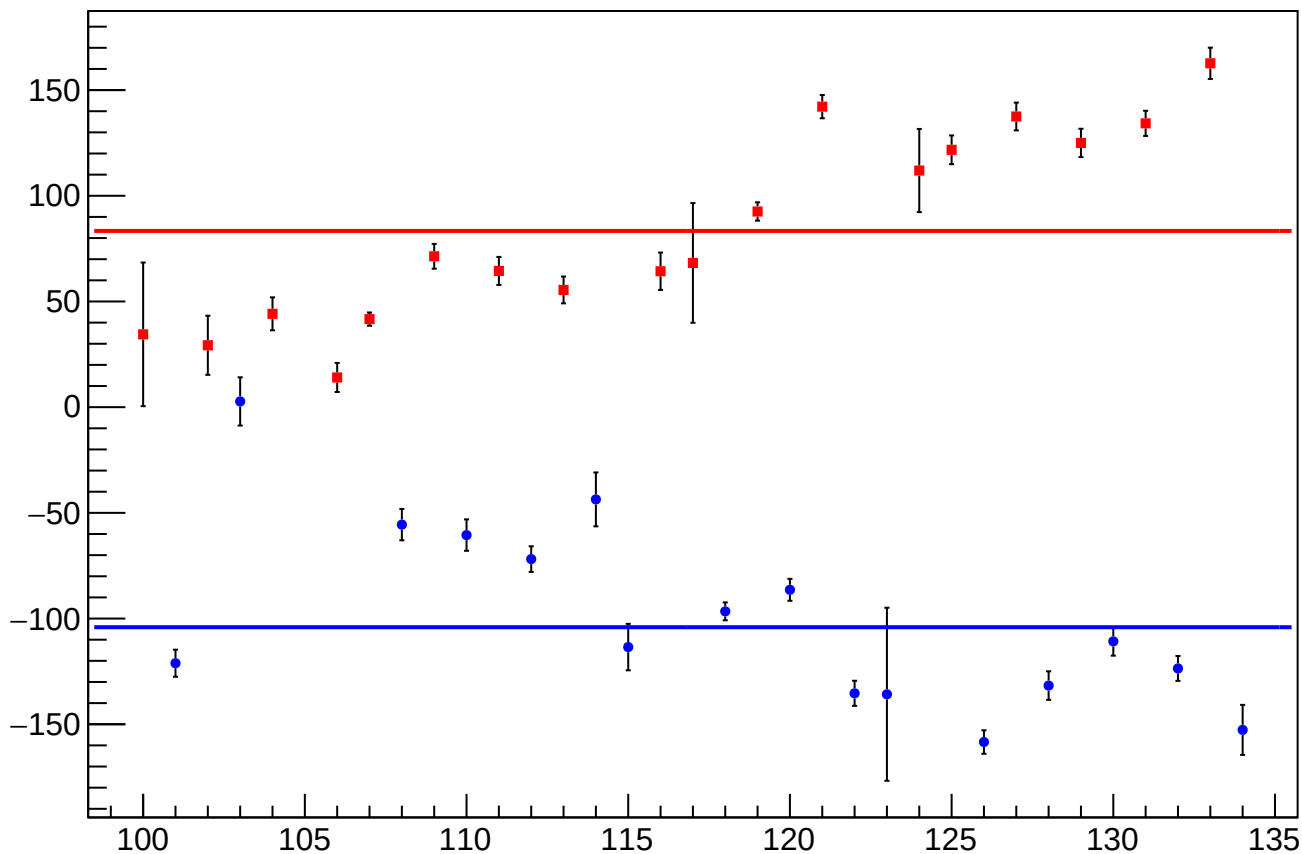
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-329.367+/-2.794  $\chi^2$ /NDF: 779.2/15

12.375+/-1.839  $\chi^2$ /NDF: 30493.1/33

273.674+/-2.443  $\chi^2$ /NDF: 3319.8/17

reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -104.097 $\pm$ 1.705  $\chi^2$ /NDF: 407.4/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 83.370 $\pm$ 1.511  $\chi^2$ /NDF: 804.7/17

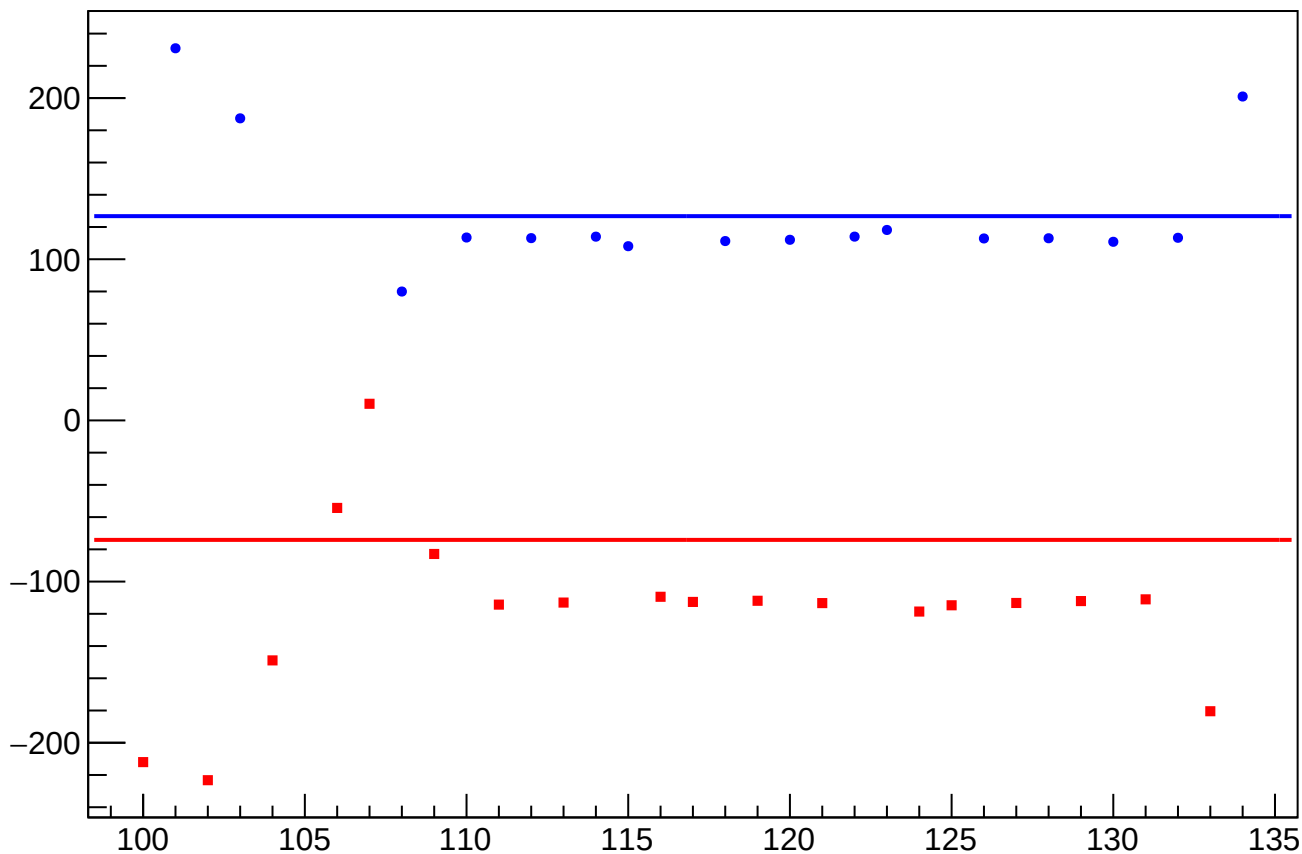
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-104.097 $\pm$ 1.705  $\chi^2$ /NDF: 407.4/15

0.908 $\pm$ 1.131  $\chi^2$ /NDF: 7987.1/33

83.370 $\pm$ 1.511  $\chi^2$ /NDF: 804.7/17

reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 126.739+/-0.104  $\chi^2/\text{NDF}$ : 187984.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -74.132+/-0.082  $\chi^2/\text{NDF}$ : 701005.0/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

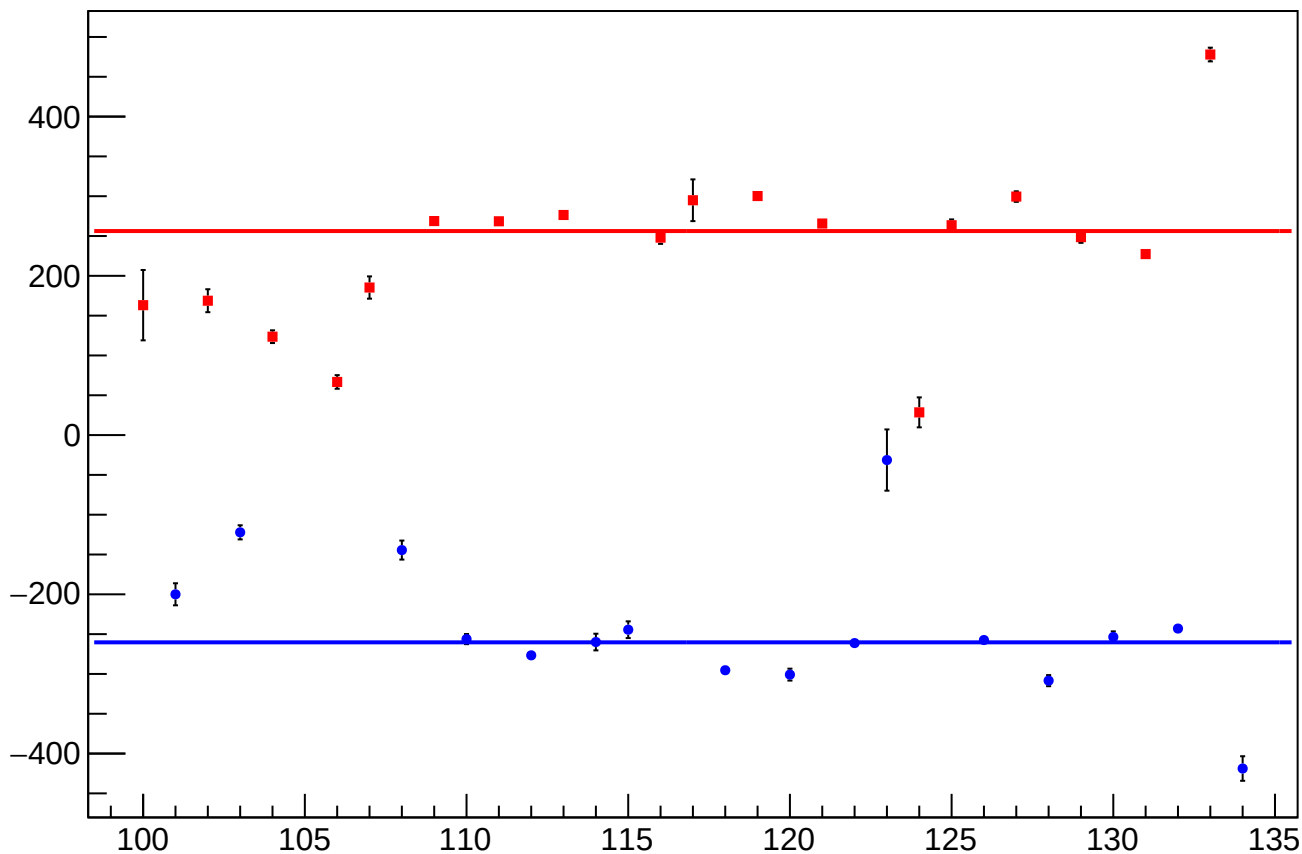
126.739+/-0.104  $\chi^2/\text{NDF}$ : 187984.1/15

3.369+/-0.065  $\chi^2/\text{NDF}$ : 3178364.9/33

-74.132+/-0.082  $\chi^2/\text{NDF}$ : 701005.0/17



reg\_asym\_atr1l2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -260.311+/-1.866  $\chi^2/\text{NDF}$ : 629.5/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 256.237+/-1.752  $\chi^2/\text{NDF}$ : 1792.9/17

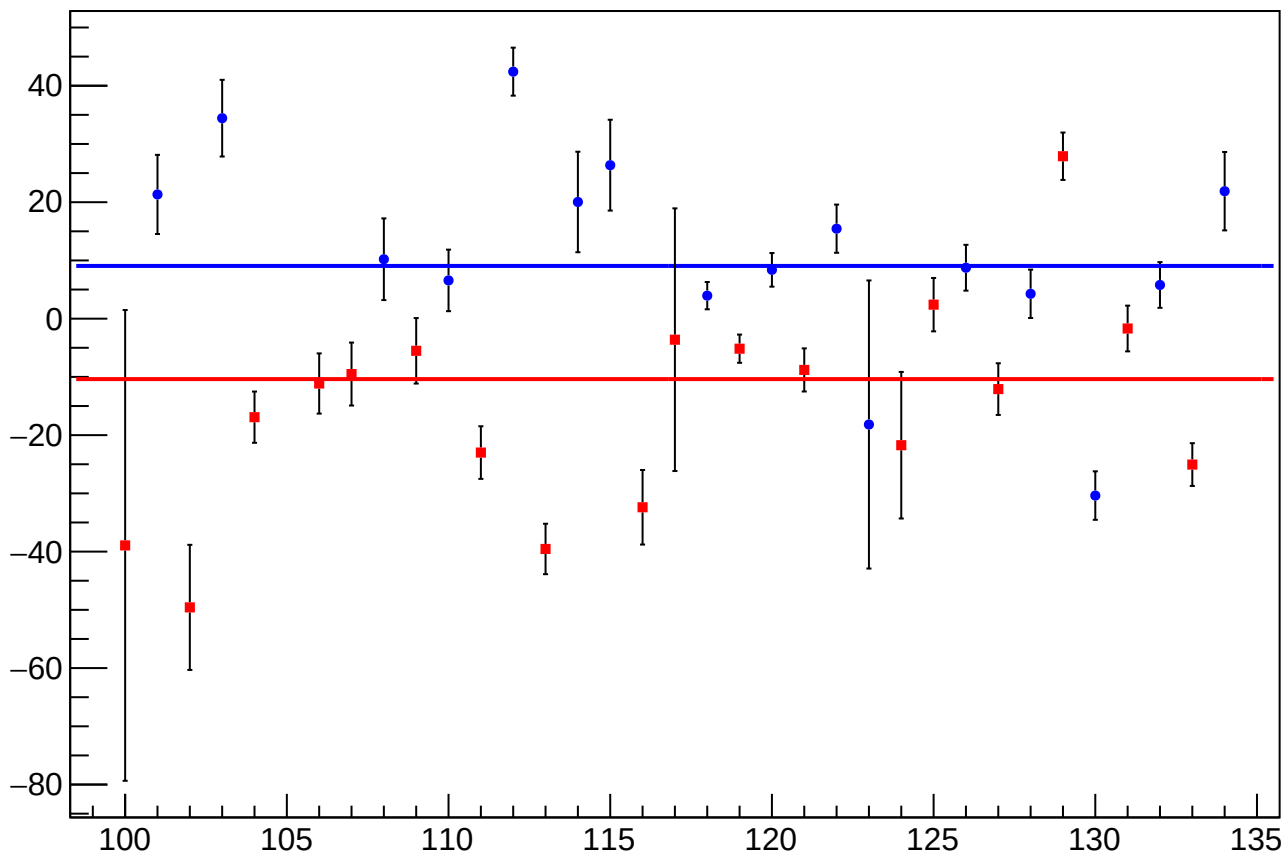
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-260.311+/-1.866  $\chi^2/\text{NDF}$ : 629.5/15

14.229+/-1.277  $\chi^2/\text{NDF}$ : 43142.9/33

256.237+/-1.752  $\chi^2/\text{NDF}$ : 1792.9/17

reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.057+/-1.105  $\chi^2/\text{NDF}$ : 194.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.376+/-1.091  $\chi^2/\text{NDF}$ : 204.8/17

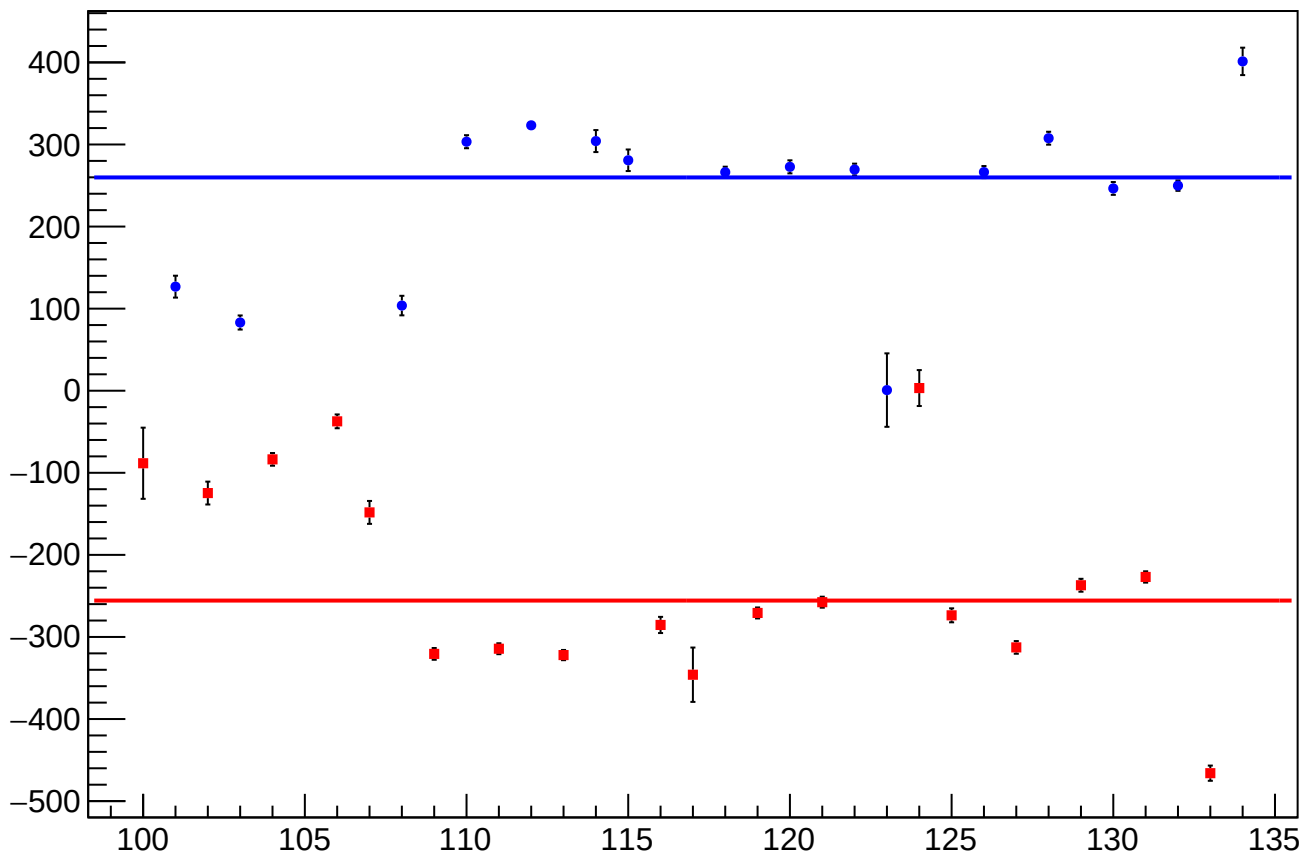
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

9.057+/-1.105  $\chi^2/\text{NDF}$ : 194.2/15

-0.785+/-0.776  $\chi^2/\text{NDF}$ : 555.6/33

-10.376+/-1.091  $\chi^2/\text{NDF}$ : 204.8/17

reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 259.853+/-2.135  $\chi^2/\text{NDF}$ : 1008.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -255.672+/-2.014  $\chi^2/\text{NDF}$ : 2360.1/17

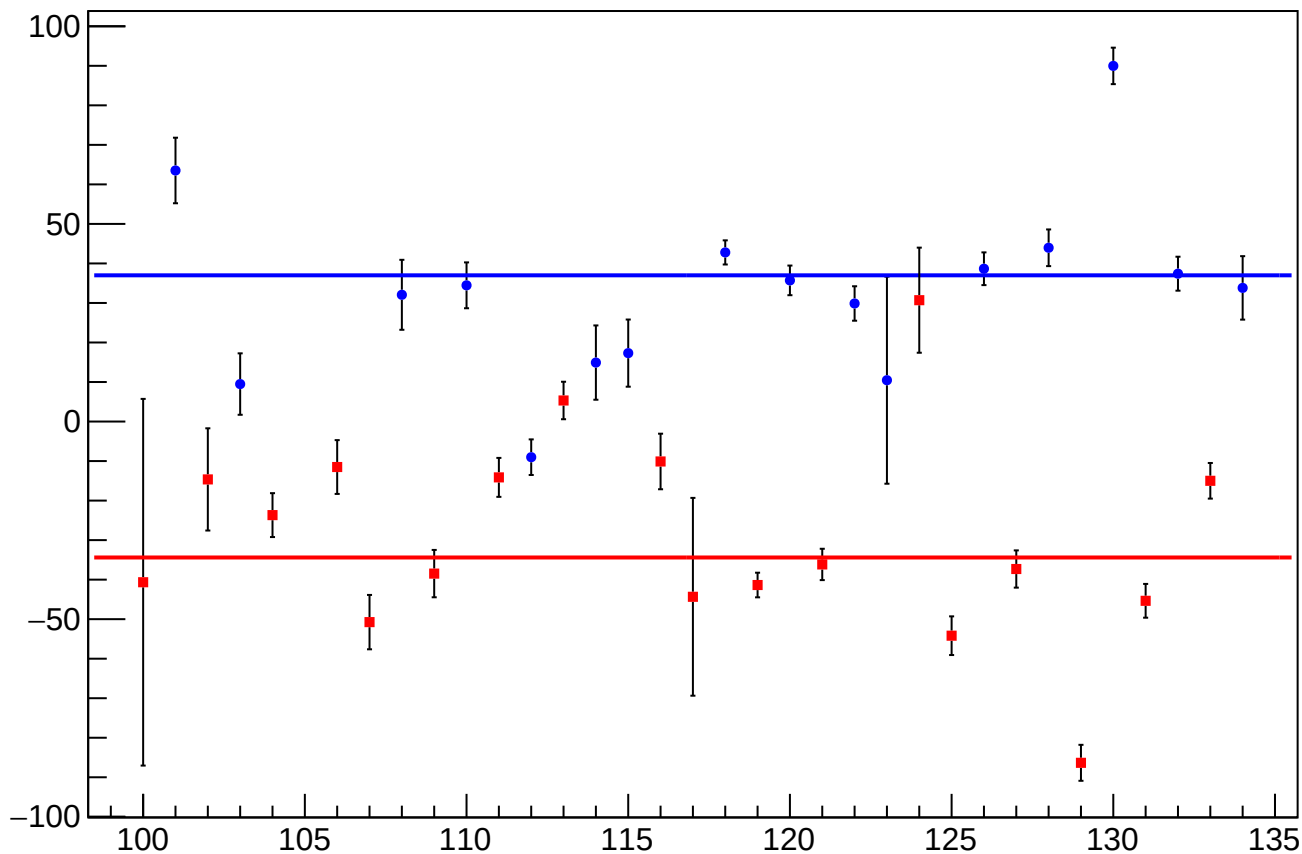
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

259.853+/-2.135  $\chi^2/\text{NDF}$ : 1008.0/15

-12.988+/-1.465  $\chi^2/\text{NDF}$ : 34227.1/33

-255.672+/-2.014  $\chi^2/\text{NDF}$ : 2360.1/17

reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 36.994+/-1.289  $\chi^2/\text{NDF}$ : 280.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -34.395+/-1.262  $\chi^2/\text{NDF}$ : 324.0/17

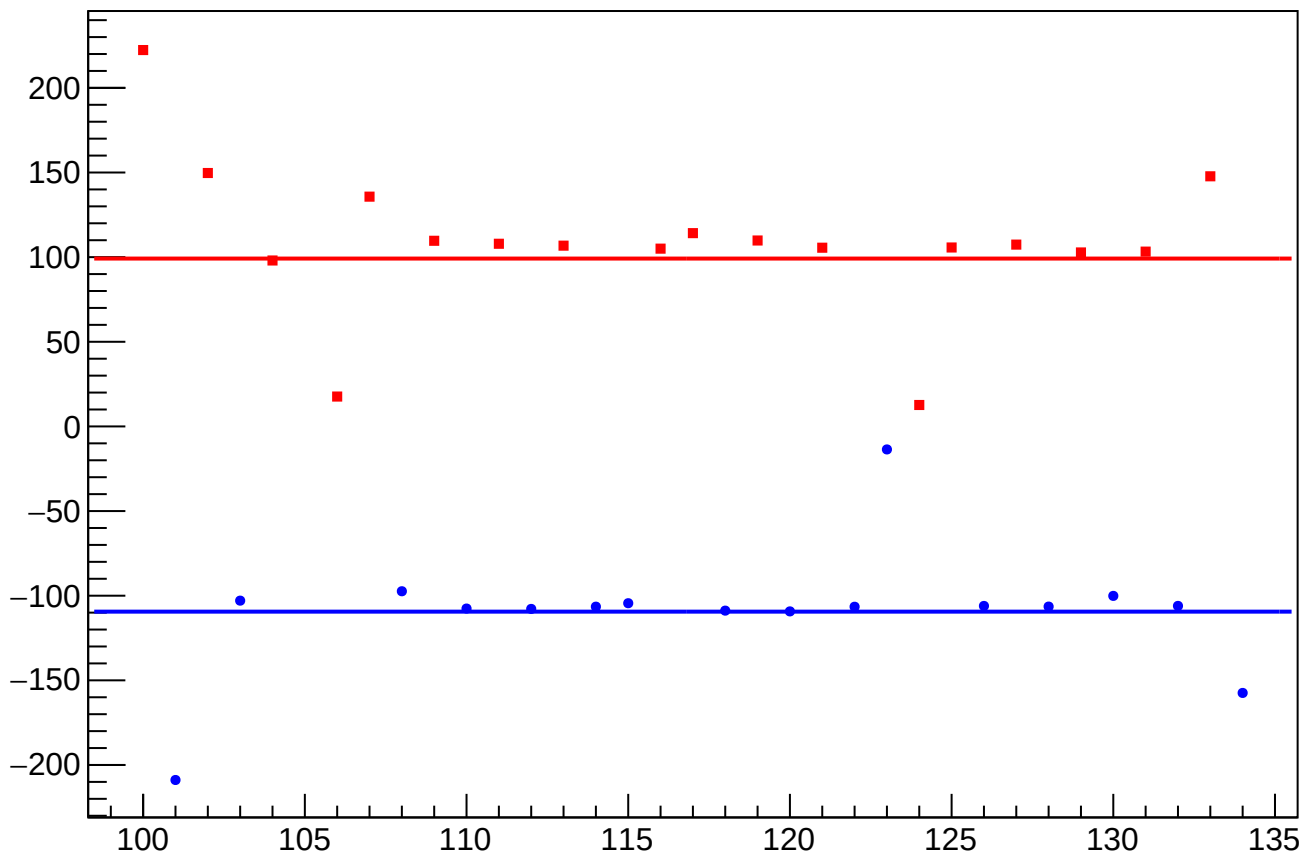
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

36.994+/-1.289  $\chi^2/\text{NDF}$ : 280.4/15

0.537+/-0.902  $\chi^2/\text{NDF}$ : 2171.2/33

-34.395+/-1.262  $\chi^2/\text{NDF}$ : 324.0/17

reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -109.415+/-0.083  $\chi^2/\text{NDF}$ : 59751.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 99.164+/-0.076  $\chi^2/\text{NDF}$ : 231793.2/17

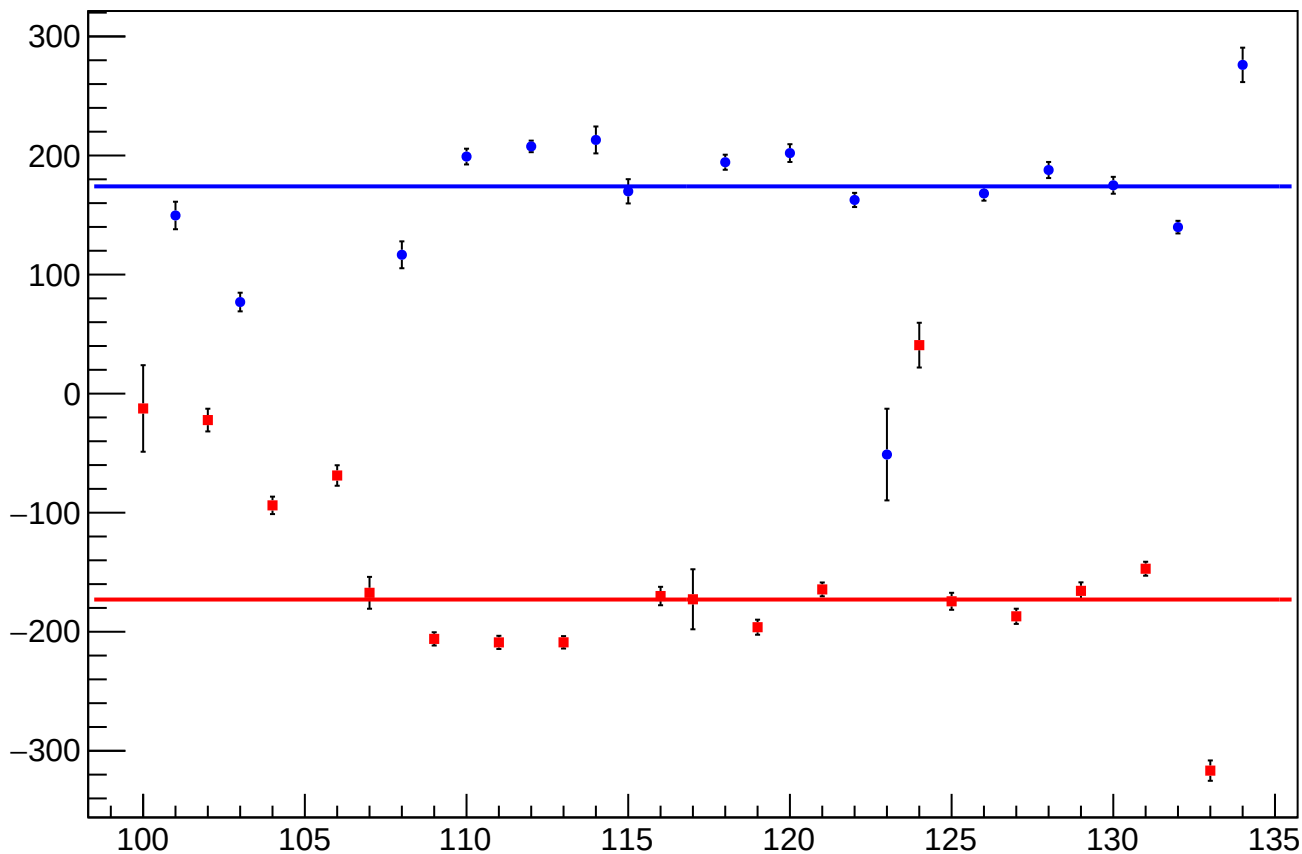
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-109.415+/-0.083  $\chi^2/\text{NDF}$ : 59751.3/15

3.953+/-0.056  $\chi^2/\text{NDF}$ : 3727493.0/33

99.164+/-0.076  $\chi^2/\text{NDF}$ : 231793.2/17

reg\_asym\_atr1l2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 174.066+/-1.840  $\chi^2/\text{NDF}$ : 417.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -172.944+/-1.733  $\chi^2/\text{NDF}$ : 1110.2/17

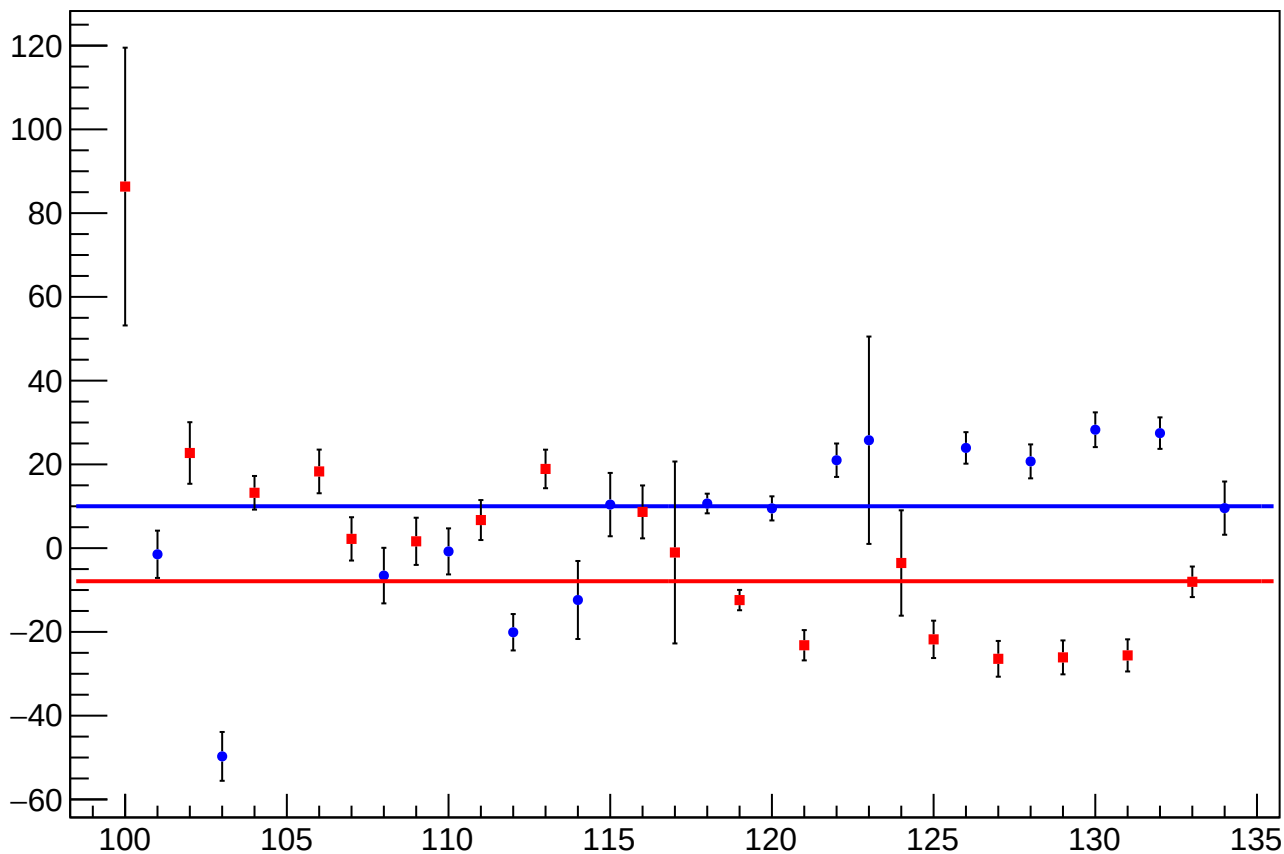
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

174.066+/-1.840  $\chi^2/\text{NDF}$ : 417.3/15

-9.821+/-1.261  $\chi^2/\text{NDF}$ : 20379.3/33

-172.944+/-1.733  $\chi^2/\text{NDF}$ : 1110.2/17

reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.005 $\pm$ 1.085  $\chi^2/\text{NDF}$ : 242.5/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.898 $\pm$ 1.074  $\chi^2/\text{NDF}$ : 226.7/17

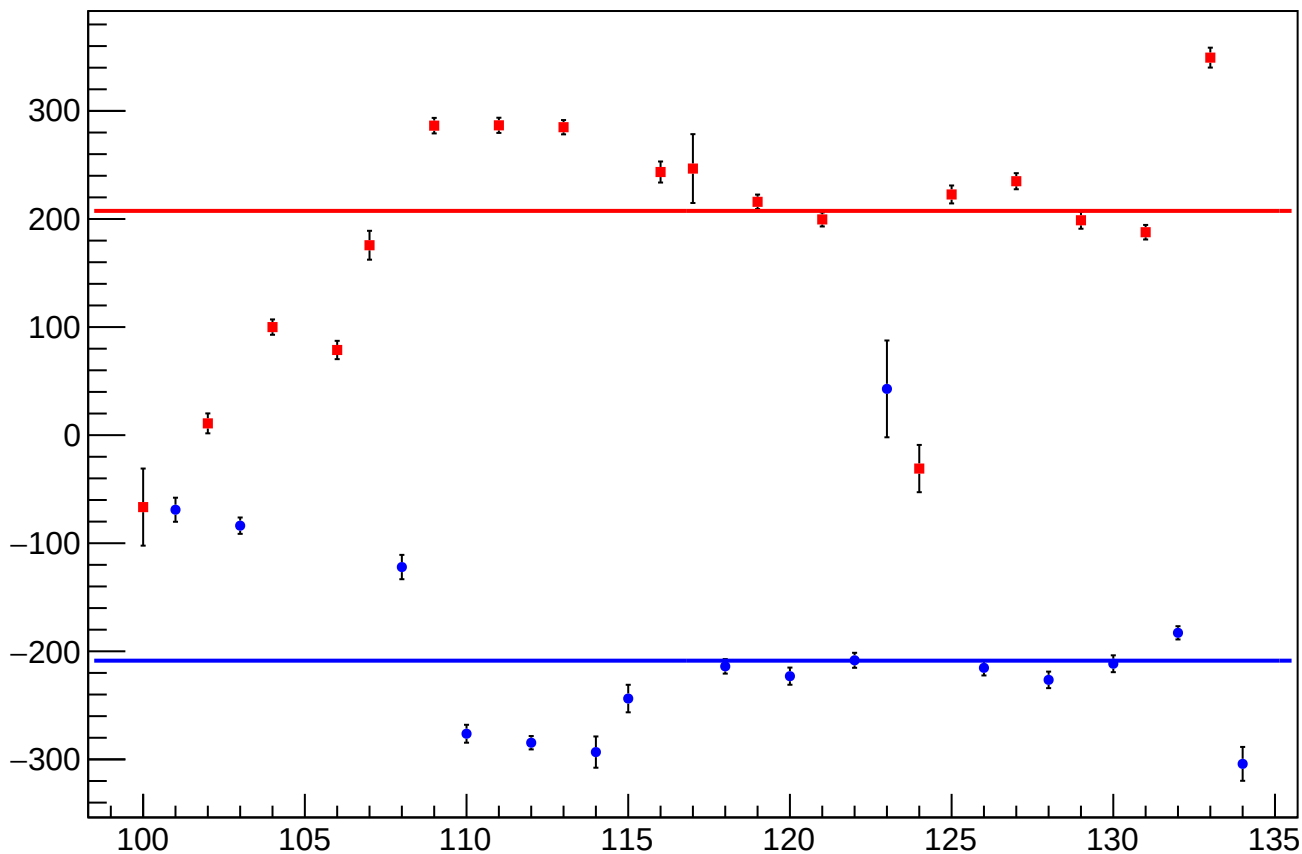
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

10.005 $\pm$ 1.085  $\chi^2/\text{NDF}$ : 242.5/15

0.966 $\pm$ 0.763  $\chi^2/\text{NDF}$ : 606.8/33

-7.898 $\pm$ 1.074  $\chi^2/\text{NDF}$ : 226.7/17

reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -208.662 $\pm$ 2.091  $\chi^2$ /NDF: 844.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 207.497 $\pm$ 1.975  $\chi^2$ /NDF: 1764.4/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

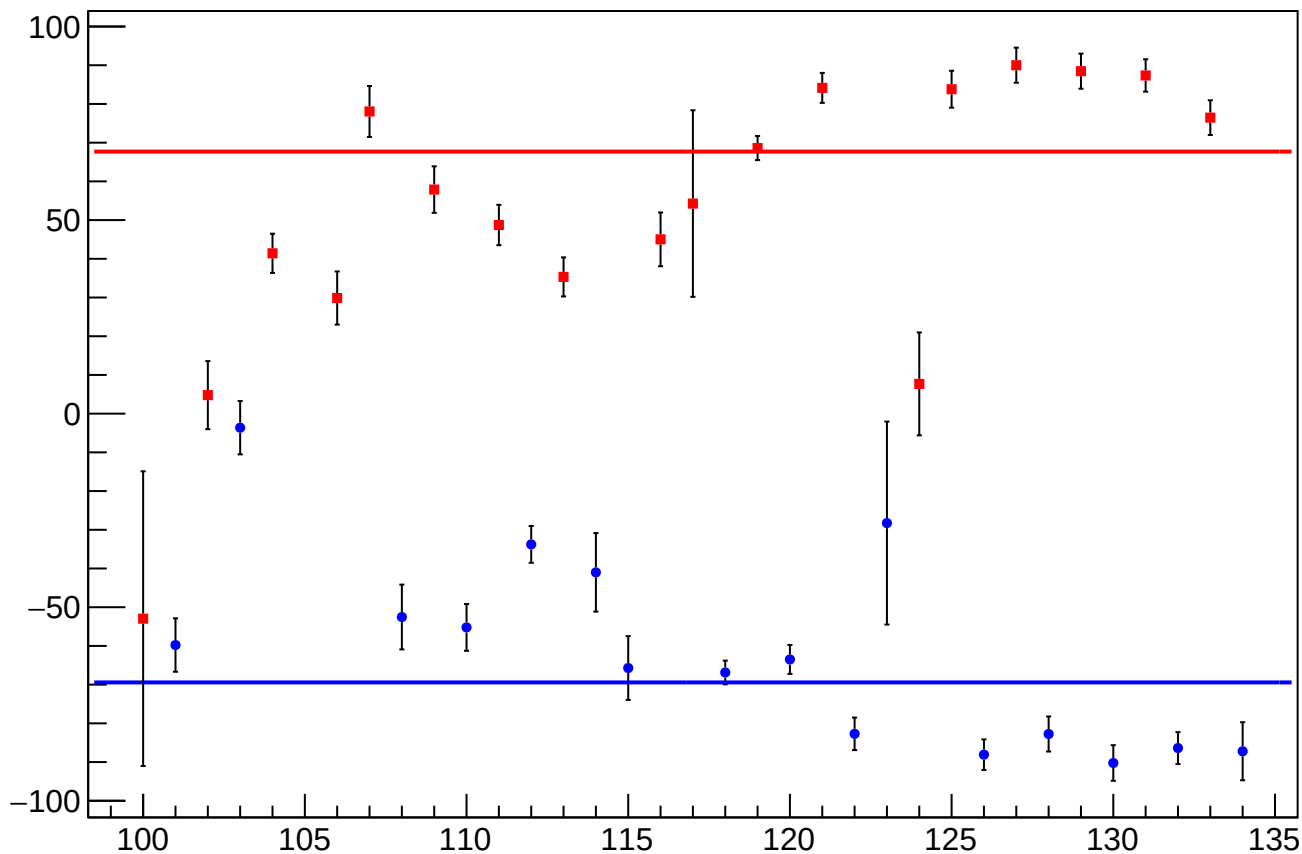
-208.662 $\pm$ 2.091  $\chi^2$ /NDF: 844.2/15

11.239 $\pm$ 1.436  $\chi^2$ /NDF: 23539.0/33

207.497 $\pm$ 1.975  $\chi^2$ /NDF: 1764.4/17



reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -69.430+/-1.264  $\chi^2/\text{NDF}$ : 256.9/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 67.695+/-1.243  $\chi^2/\text{NDF}$ : 310.3/17

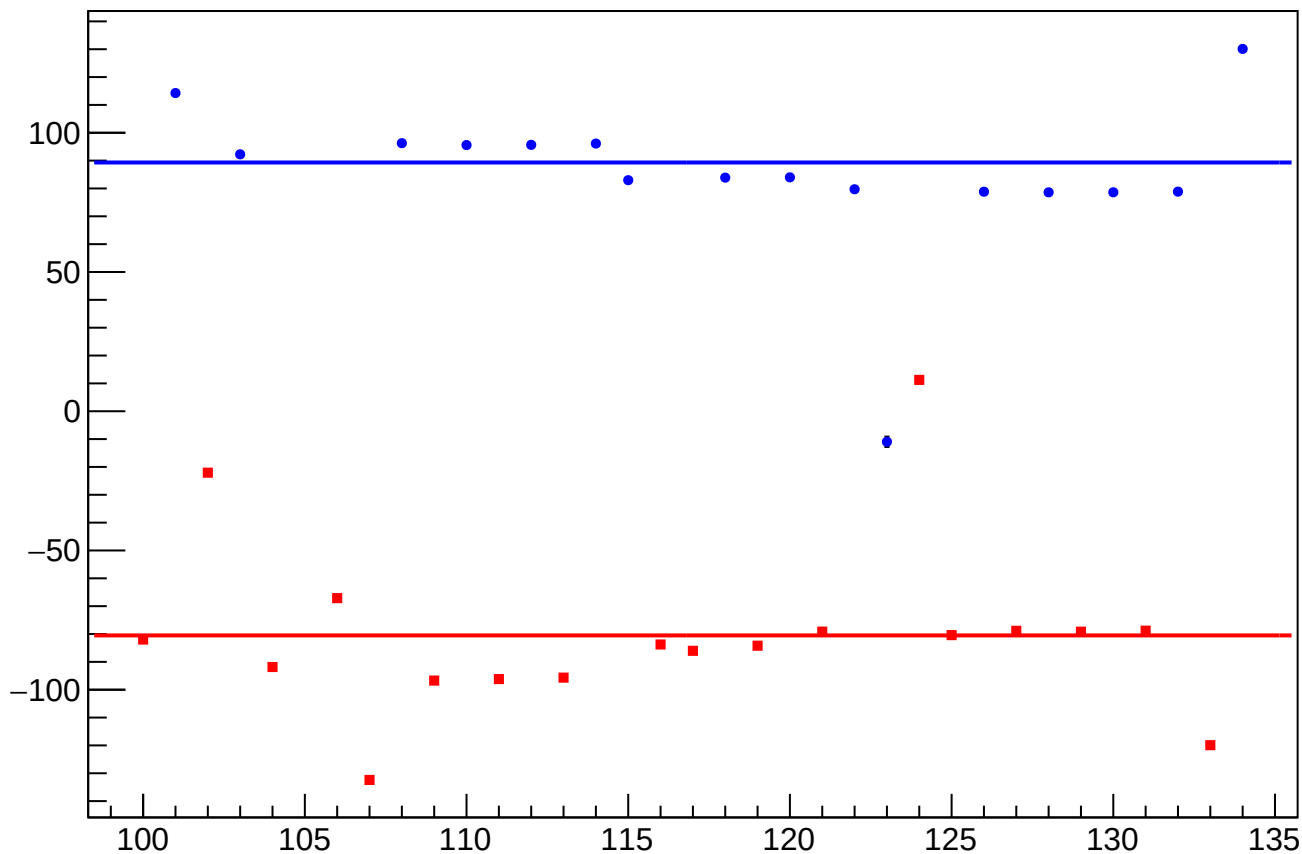
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-69.430+/-1.264  $\chi^2/\text{NDF}$ : 256.9/15

0.277+/-0.887  $\chi^2/\text{NDF}$ : 6546.5/33

67.695+/-1.243  $\chi^2/\text{NDF}$ : 310.3/17

reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 89.323+/-0.079  $\chi^2$ /NDF: 23592.0/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -80.503+/-0.072  $\chi^2$ /NDF: 142049.4/17

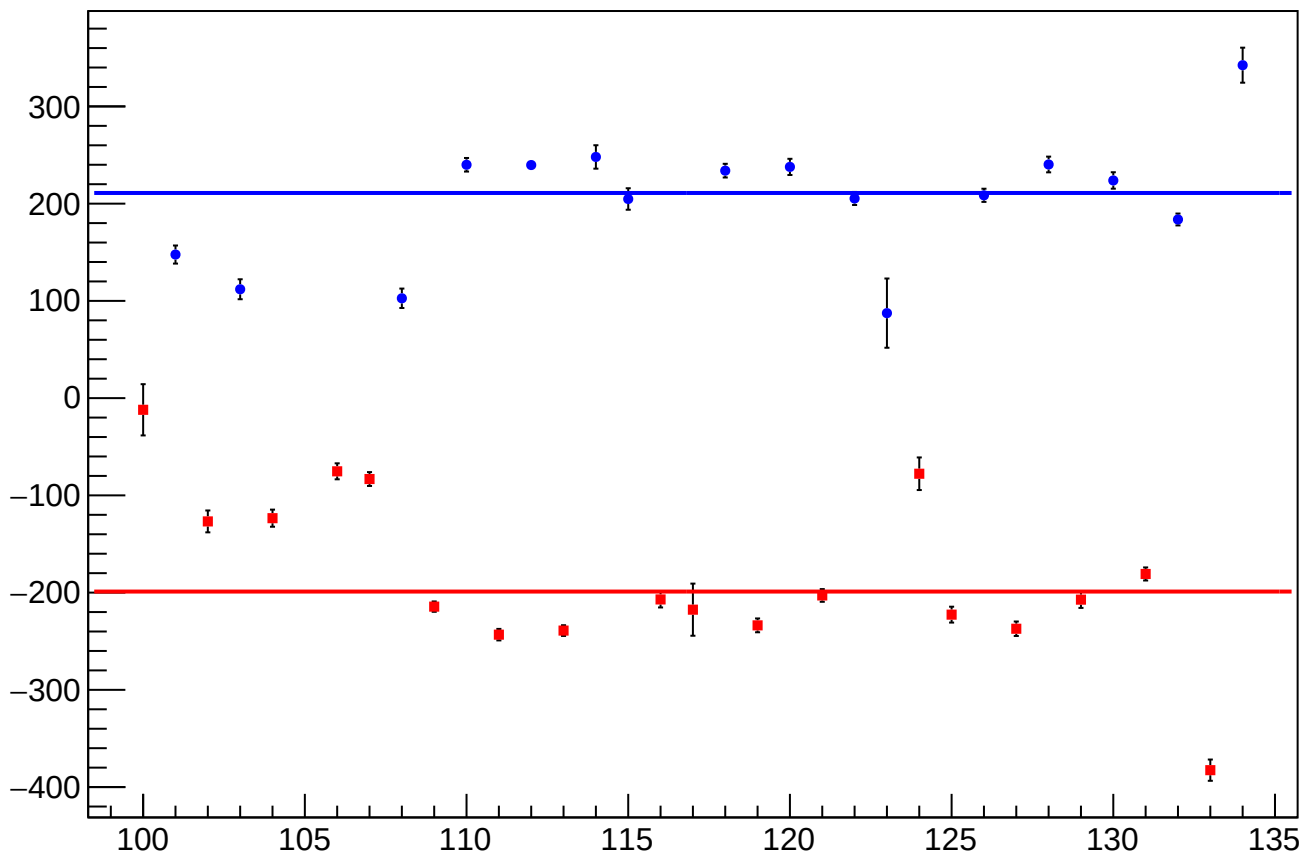
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

89.323+/-0.079  $\chi^2$ /NDF: 23592.0/15

-3.488+/-0.053  $\chi^2$ /NDF: 2667497.9/33

-80.503+/-0.072  $\chi^2$ /NDF: 142049.4/17

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 210.986+/-2.028  $\chi^2$ /NDF: 437.9/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -198.919+/-1.844  $\chi^2$ /NDF: 1176.9/17

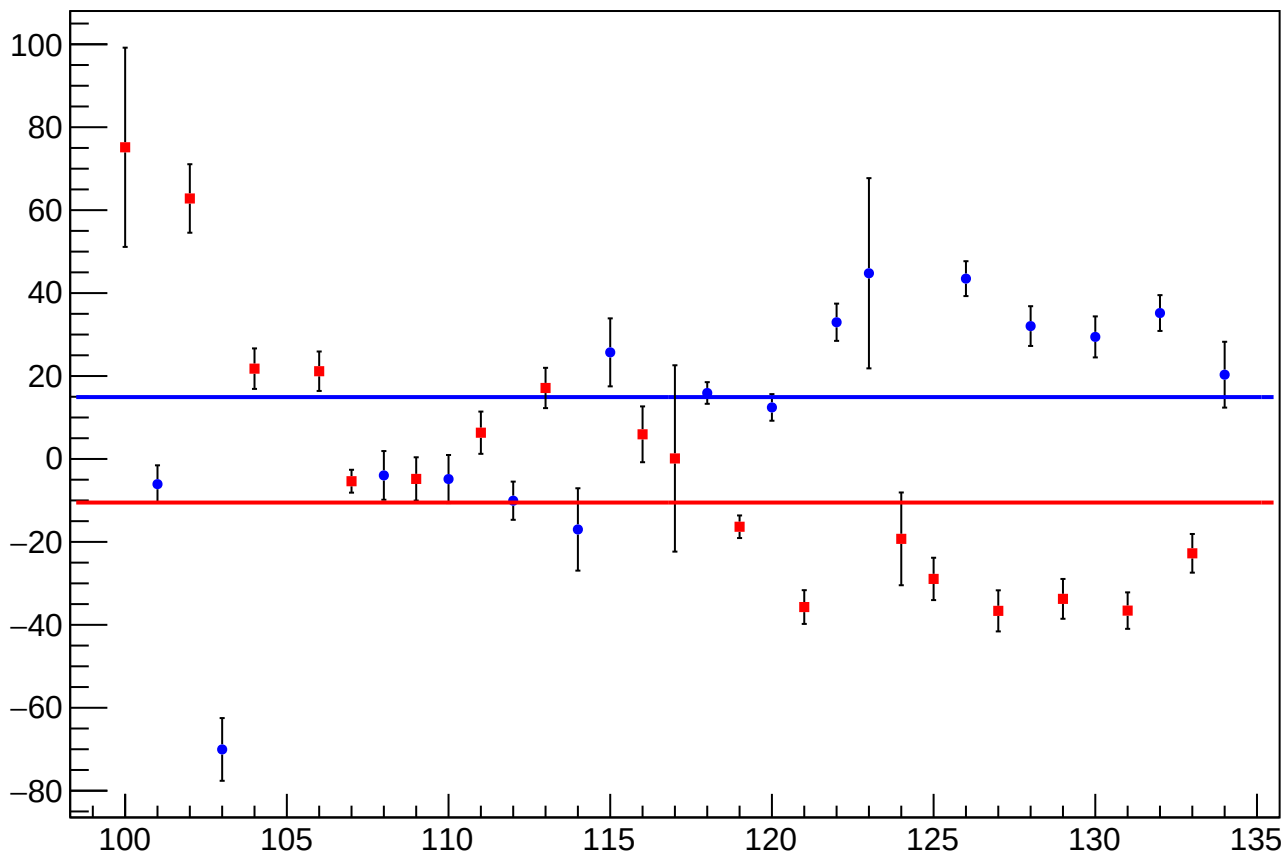
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

210.986+/-2.028  $\chi^2$ /NDF: 437.9/15

-13.372+/-1.365  $\chi^2$ /NDF: 23971.6/33

-198.919+/-1.844  $\chi^2$ /NDF: 1176.9/17

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 14.922+/-1.193  $\chi^2$ /NDF: 319.7/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -10.510+/-1.119  $\chi^2$ /NDF: 383.5/17

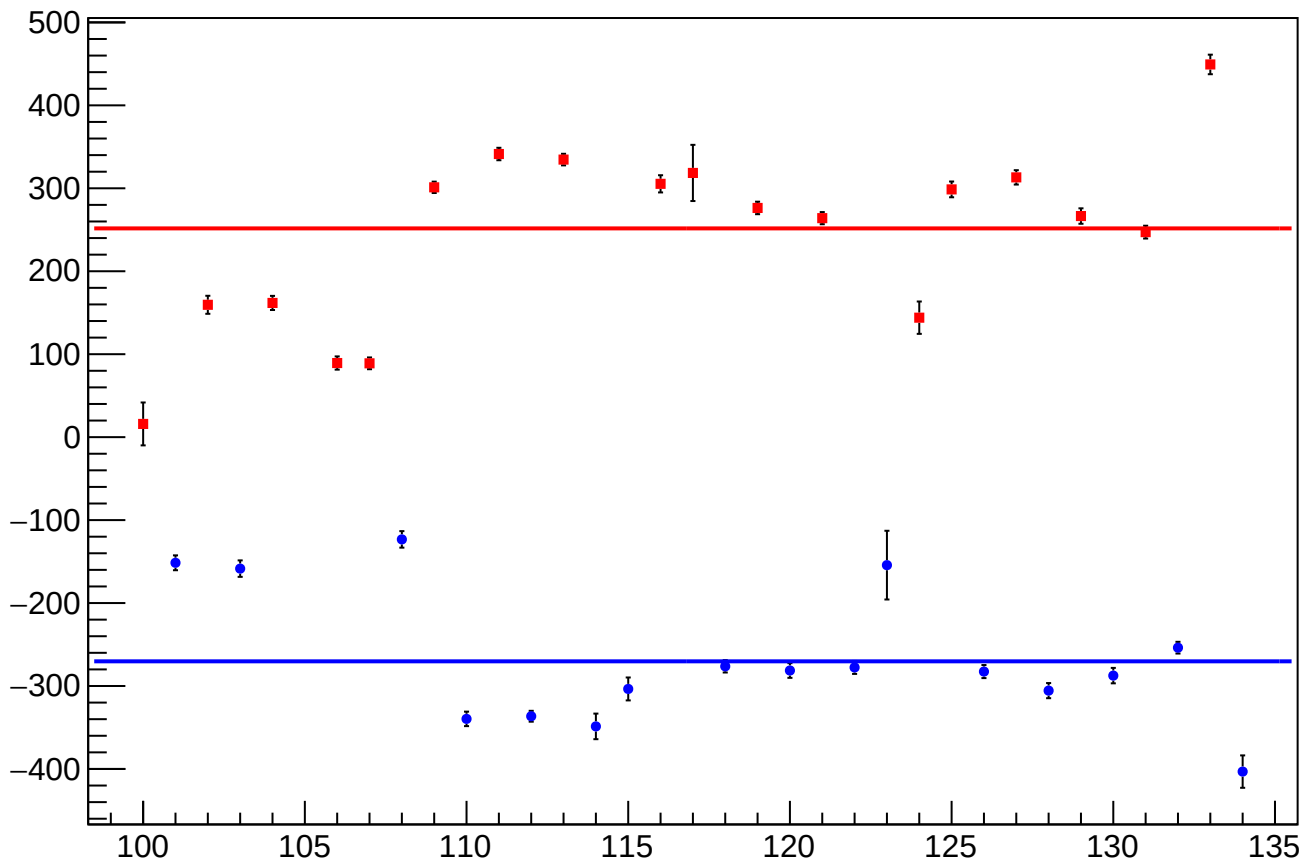
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

14.922+/-1.193  $\chi^2$ /NDF: 319.7/15

1.392+/-0.816  $\chi^2$ /NDF: 944.9/33

-10.510+/-1.119  $\chi^2$ /NDF: 383.5/17

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -270.259+/-2.303  $\chi^2/\text{NDF}$ : 801.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 251.652+/-2.096  $\chi^2/\text{NDF}$ : 1974.4/17

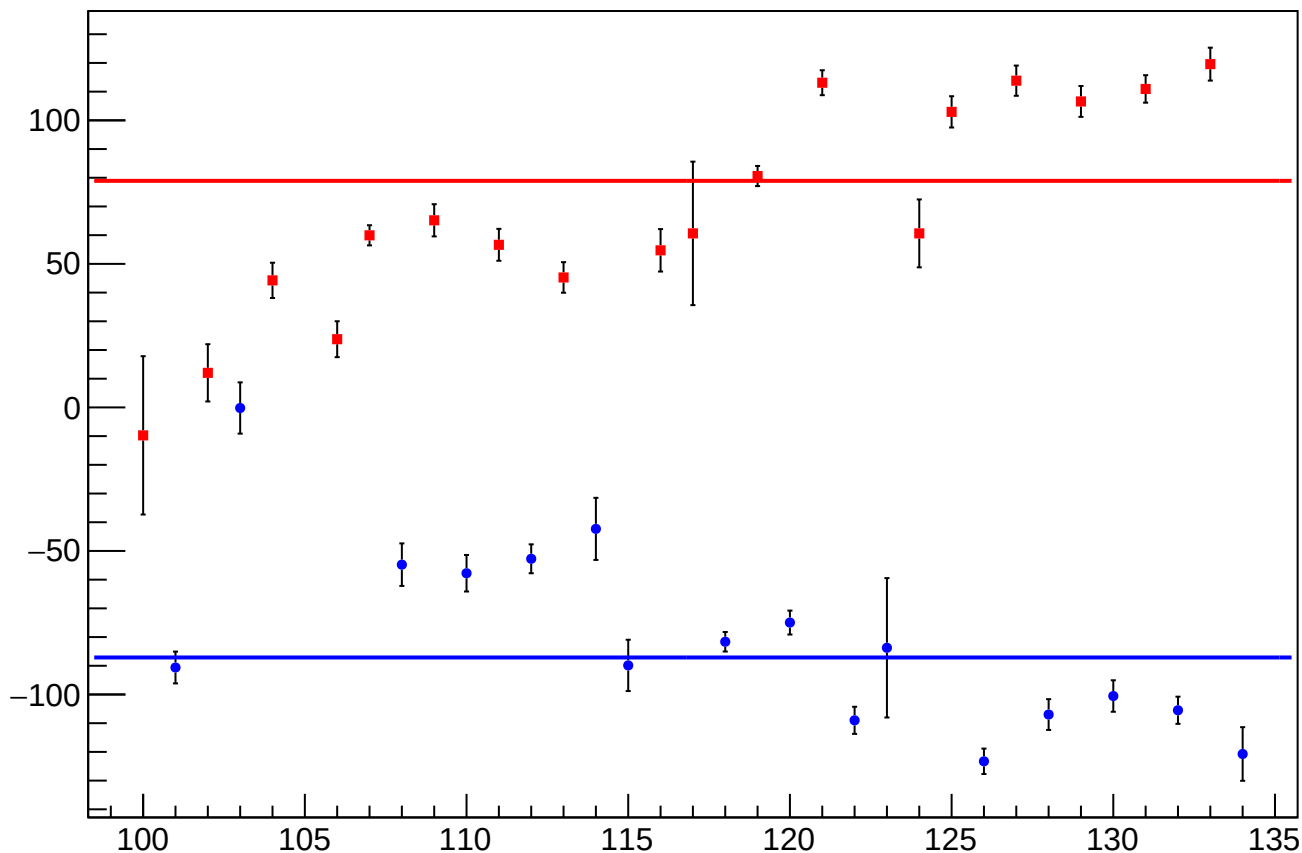
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-270.259+/-2.303  $\chi^2/\text{NDF}$ : 801.1/15

15.244+/-1.550  $\chi^2/\text{NDF}$ : 30873.9/33

251.652+/-2.096  $\chi^2/\text{NDF}$ : 1974.4/17

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-87.110 \pm 1.395$   $\chi^2/\text{NDF}$ : 346.4/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $78.928 \pm 1.309$   $\chi^2/\text{NDF}$ : 516.9/17

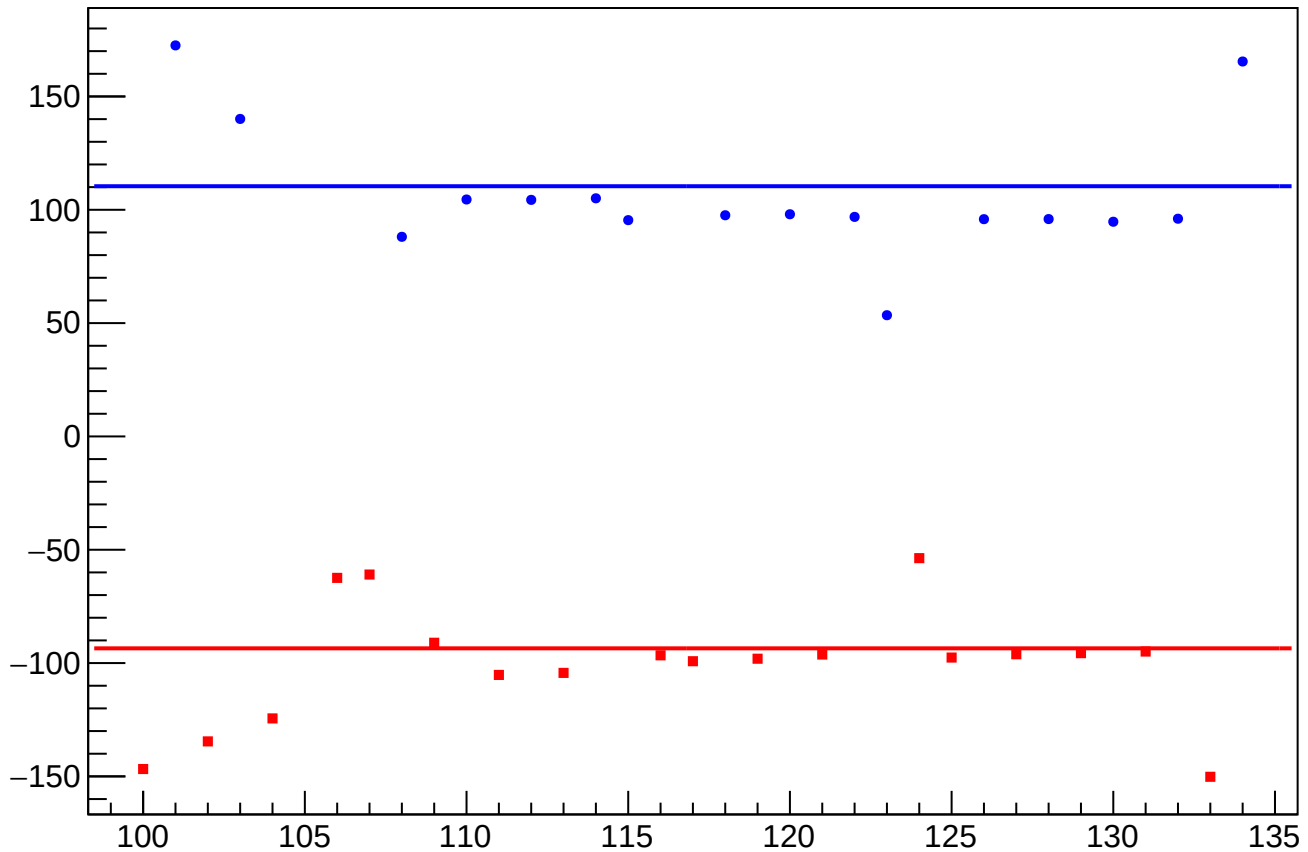
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-87.110 \pm 1.395$   $\chi^2/\text{NDF}$ : 346.4/15

$1.189 \pm 0.954$   $\chi^2/\text{NDF}$ : 8401.2/33

$78.928 \pm 1.309$   $\chi^2/\text{NDF}$ : 516.9/17

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $110.397 \pm 0.087$   $\chi^2/\text{NDF}: 88337.7/15$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-93.504 \pm 0.074$   $\chi^2/\text{NDF}: 132523.7/17$

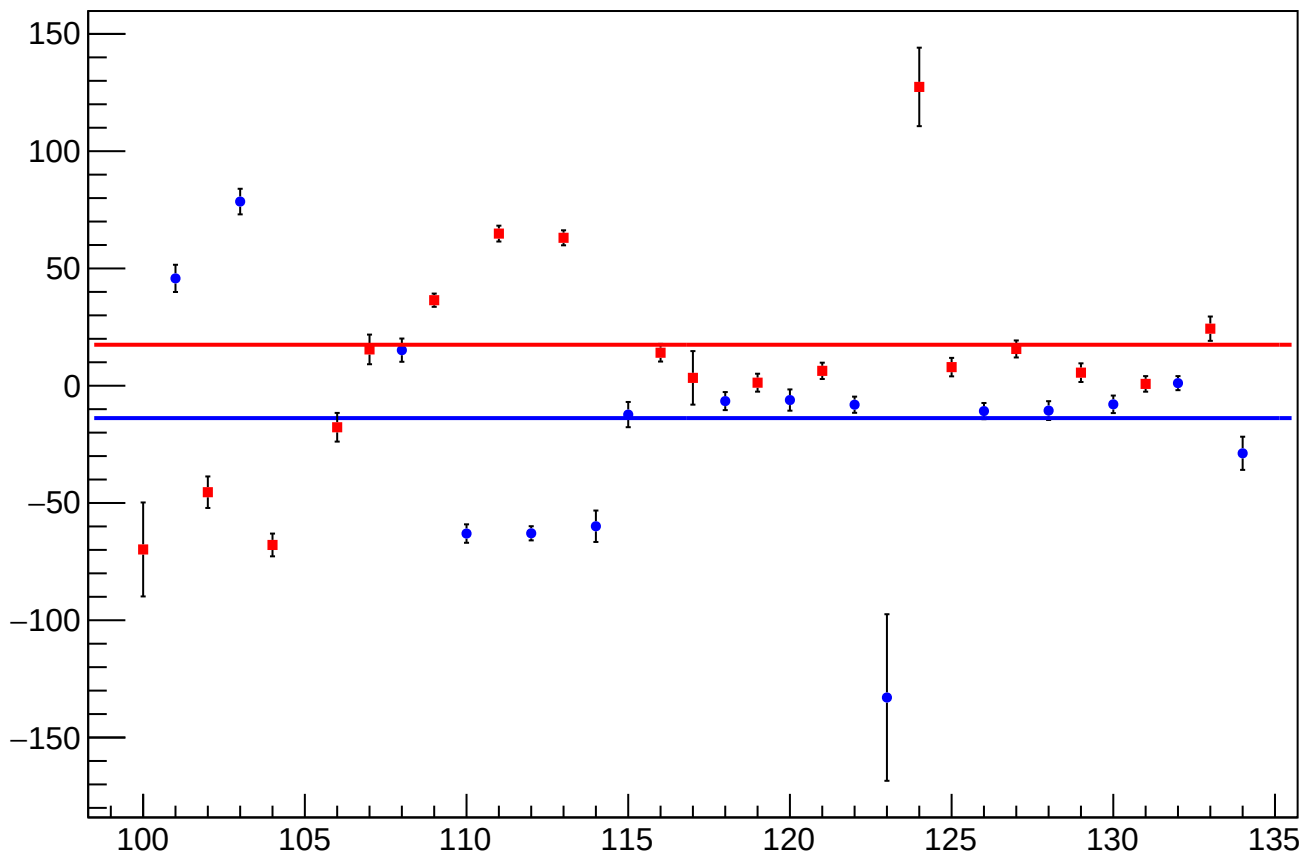
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

$110.397 \pm 0.087$   $\chi^2/\text{NDF}: 88337.7/15$

$-8.830 \pm 0.056$   $\chi^2/\text{NDF}: 3397459.5/33$

$-93.504 \pm 0.074$   $\chi^2/\text{NDF}: 132523.7/17$

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-13.805 \pm 1.063$   $\chi^2/\text{NDF}$ : 947.5/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $17.470 \pm 1.003$   $\chi^2/\text{NDF}$ : 1009.3/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

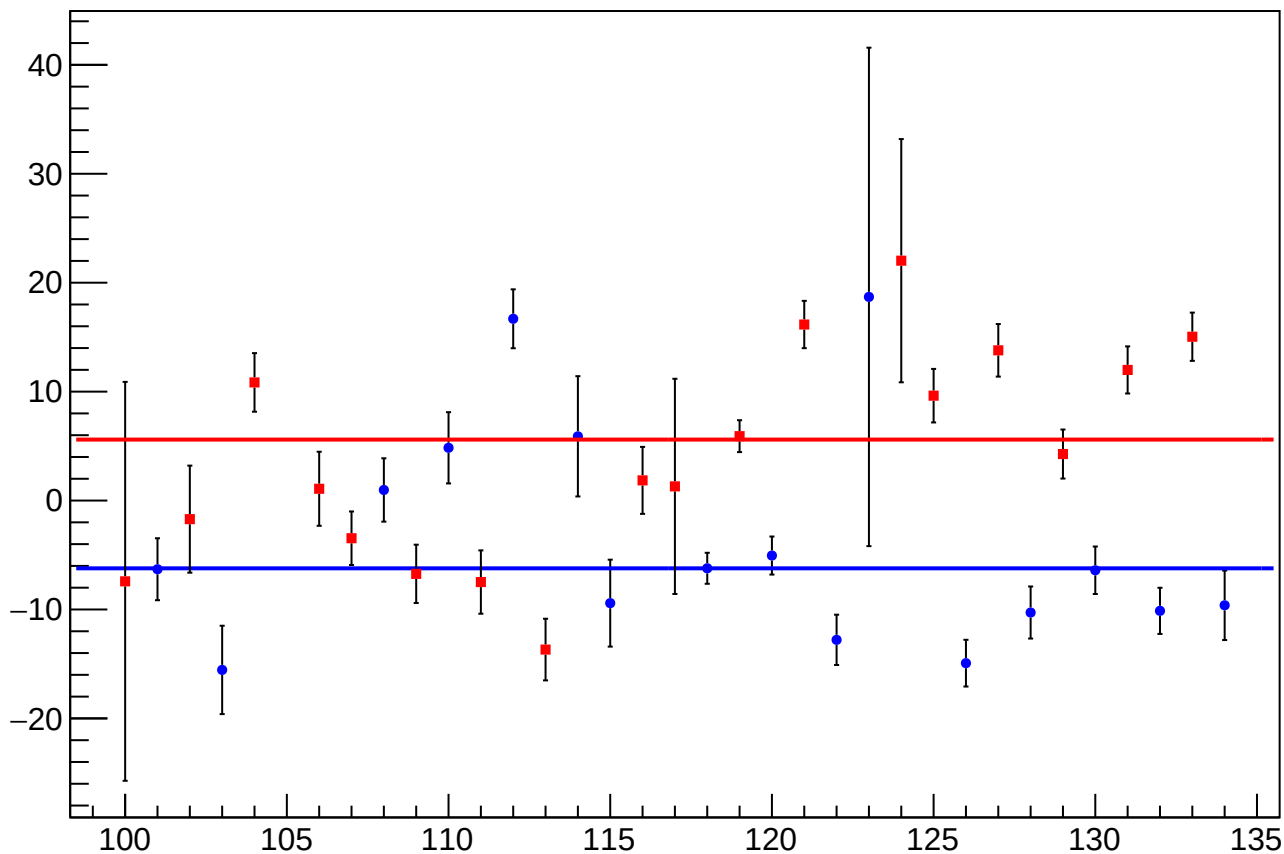
$-13.805 \pm 1.063$   $\chi^2/\text{NDF}$ : 947.5/15

$2.736 \pm 0.730$   $\chi^2/\text{NDF}$ : 2414.7/33

$17.470 \pm 1.003$   $\chi^2/\text{NDF}$ : 1009.3/17



reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.222 $\pm$ 0.625  $\chi^2$ /NDF: 133.7/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 5.598 $\pm$ 0.623  $\chi^2$ /NDF: 178.7/17

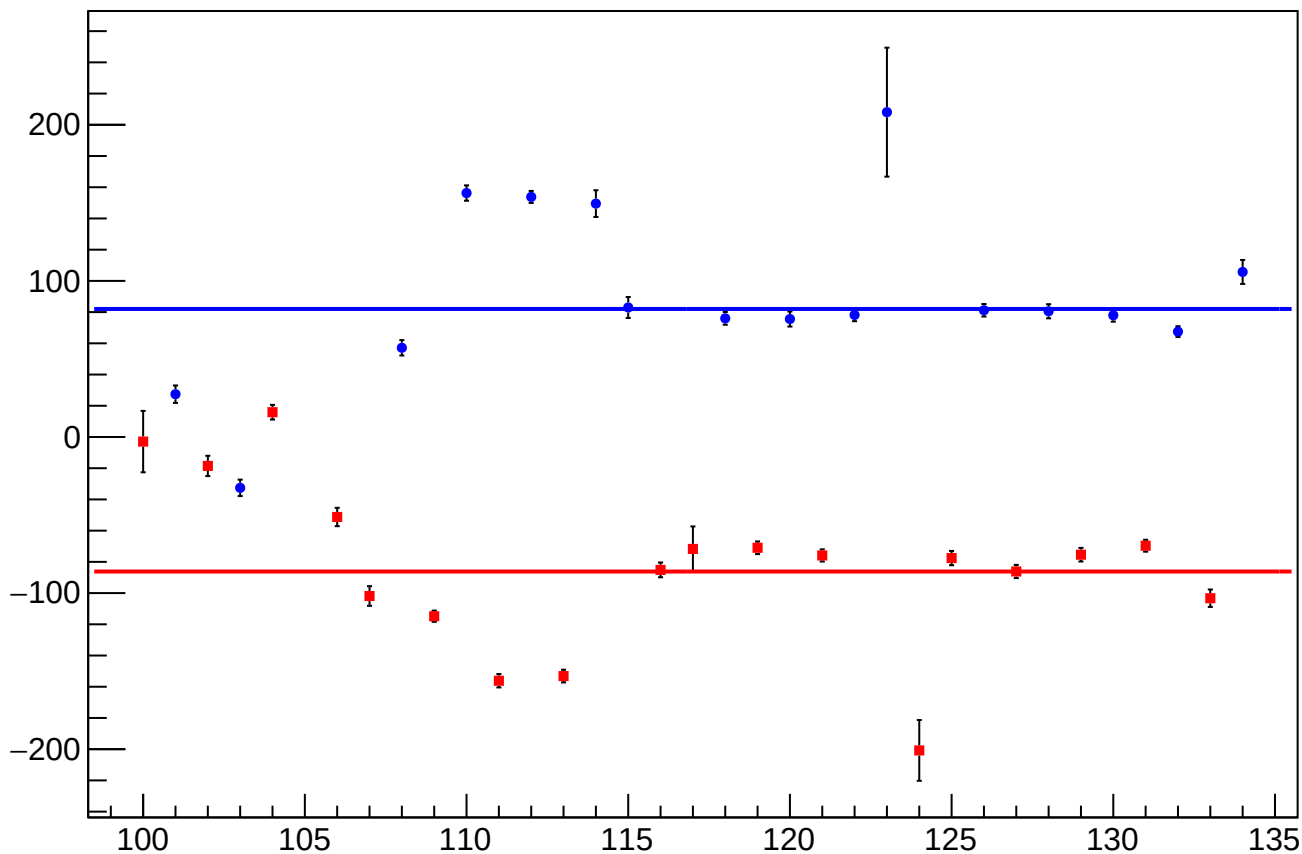
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-6.222 $\pm$ 0.625  $\chi^2$ /NDF: 133.7/15

-0.302 $\pm$ 0.441  $\chi^2$ /NDF: 491.9/33

5.598 $\pm$ 0.623  $\chi^2$ /NDF: 178.7/17

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 82.015+/-1.205  $\chi^2$ /NDF: 1272.2/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -86.190+/-1.153  $\chi^2$ /NDF: 1334.5/17

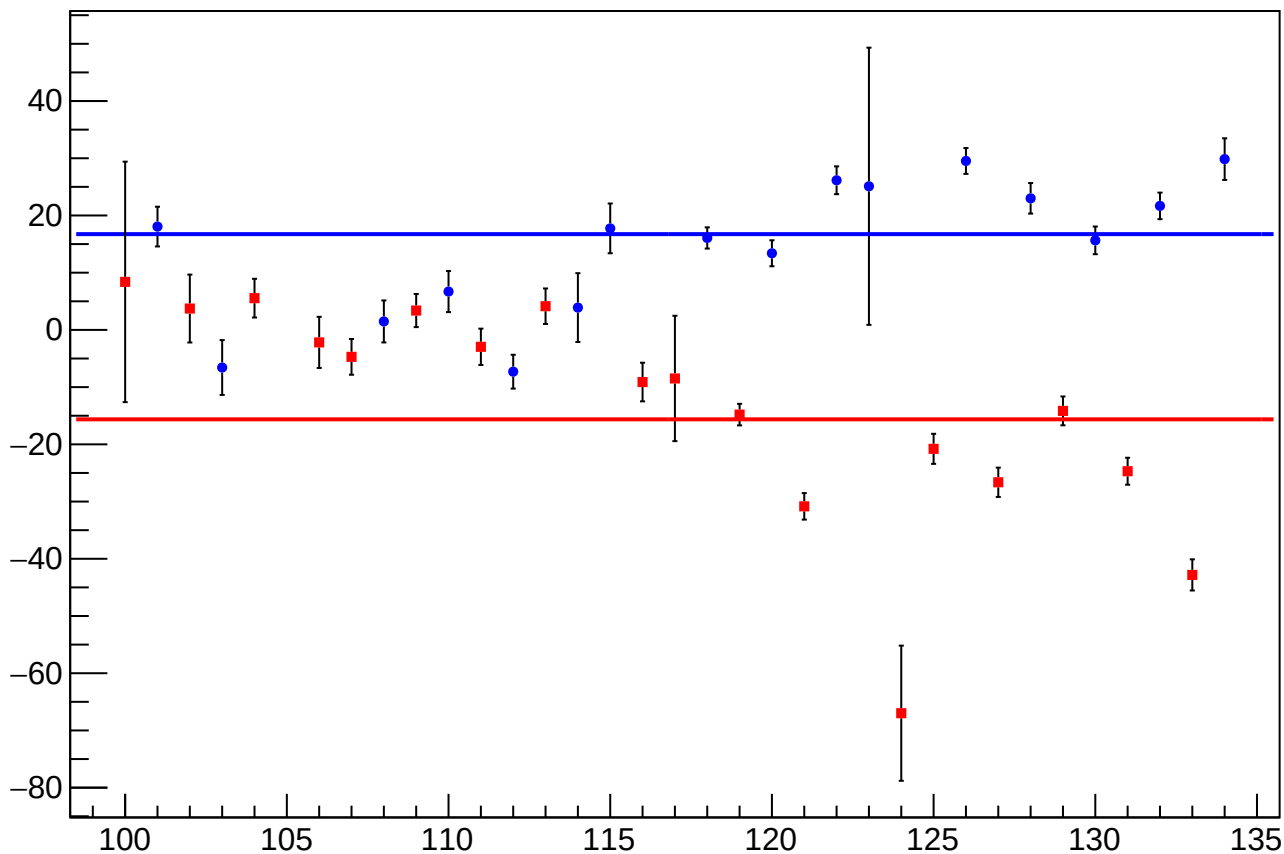
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

82.015+/-1.205  $\chi^2$ /NDF: 1272.2/15

-5.795+/-0.833  $\chi^2$ /NDF: 12784.4/33

-86.190+/-1.153  $\chi^2$ /NDF: 1334.5/17

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 16.738+/-0.726  $\chi^2$ /NDF: 192.4/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -15.629+/-0.719  $\chi^2$ /NDF: 375.7/17

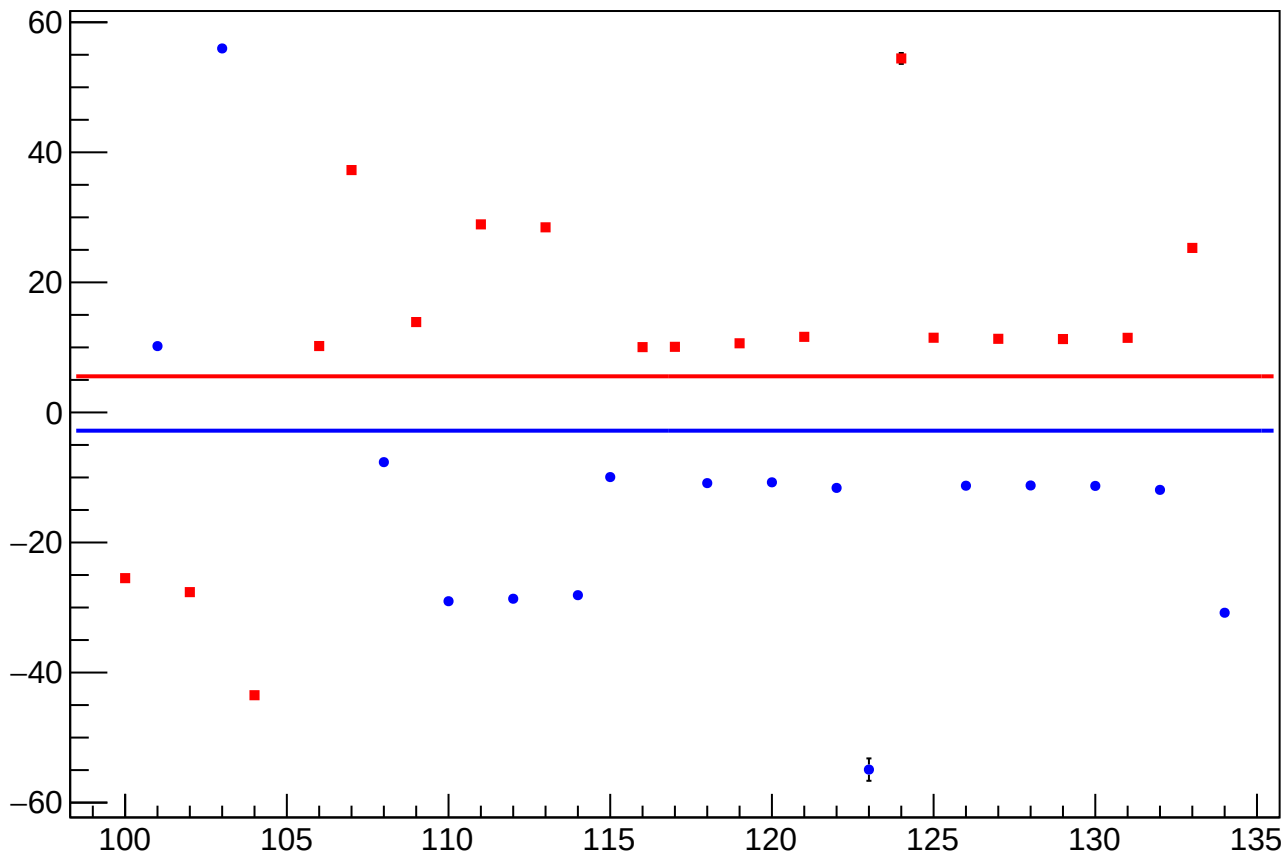
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

16.738+/-0.726  $\chi^2$ /NDF: 192.4/15

0.399+/-0.511  $\chi^2$ /NDF: 1571.7/33

-15.629+/-0.719  $\chi^2$ /NDF: 375.7/17

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -2.805+/-0.045  $\chi^2/\text{NDF}$ : 327258.9/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.555+/-0.044  $\chi^2/\text{NDF}$ : 317422.3/17

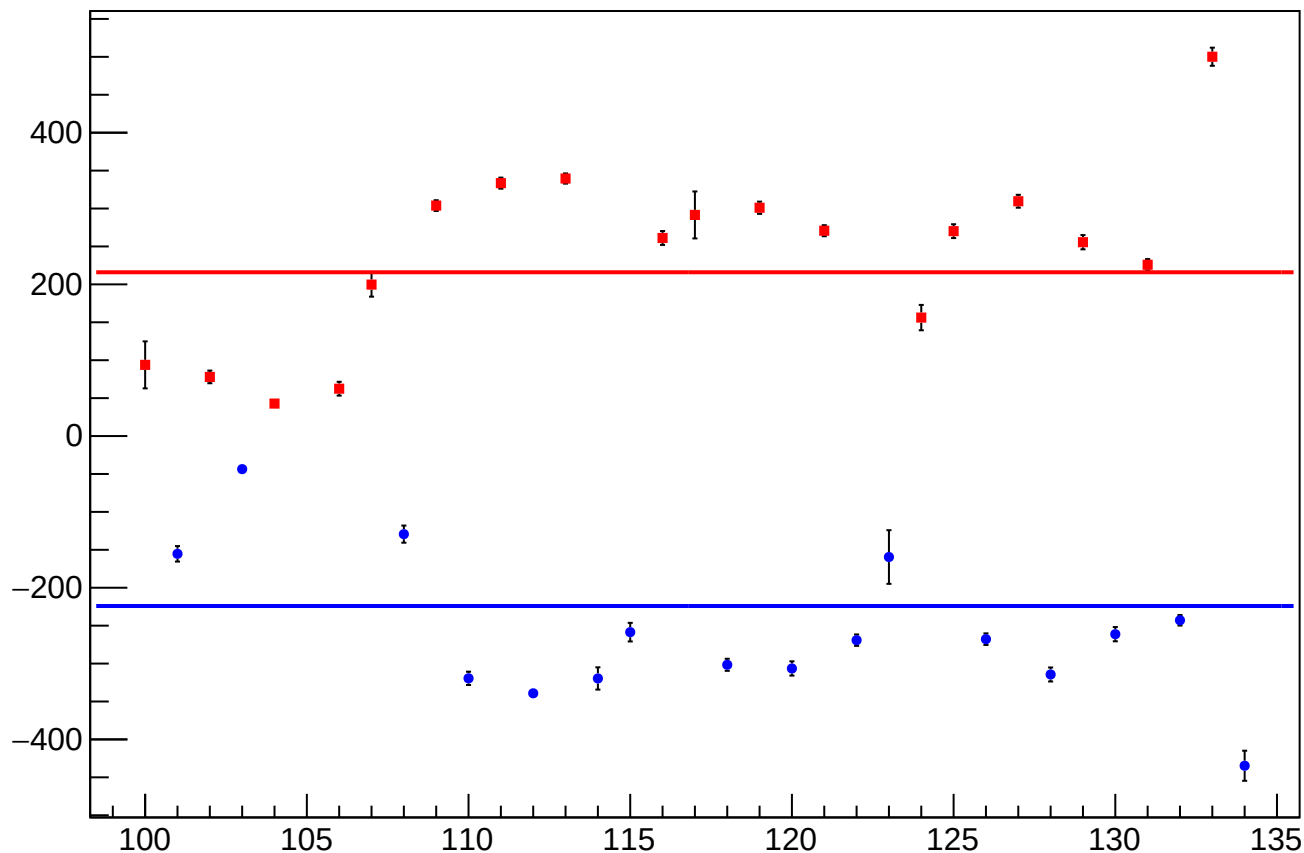
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.805+/-0.045  $\chi^2/\text{NDF}$ : 327258.9/15

1.522+/-0.031  $\chi^2/\text{NDF}$ : 662379.2/33

5.555+/-0.044  $\chi^2/\text{NDF}$ : 317422.3/17

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -224.098+/-2.094  $\chi^2$ /NDF: 2794.6/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 215.959+/-1.952  $\chi^2$ /NDF: 4006.9/17

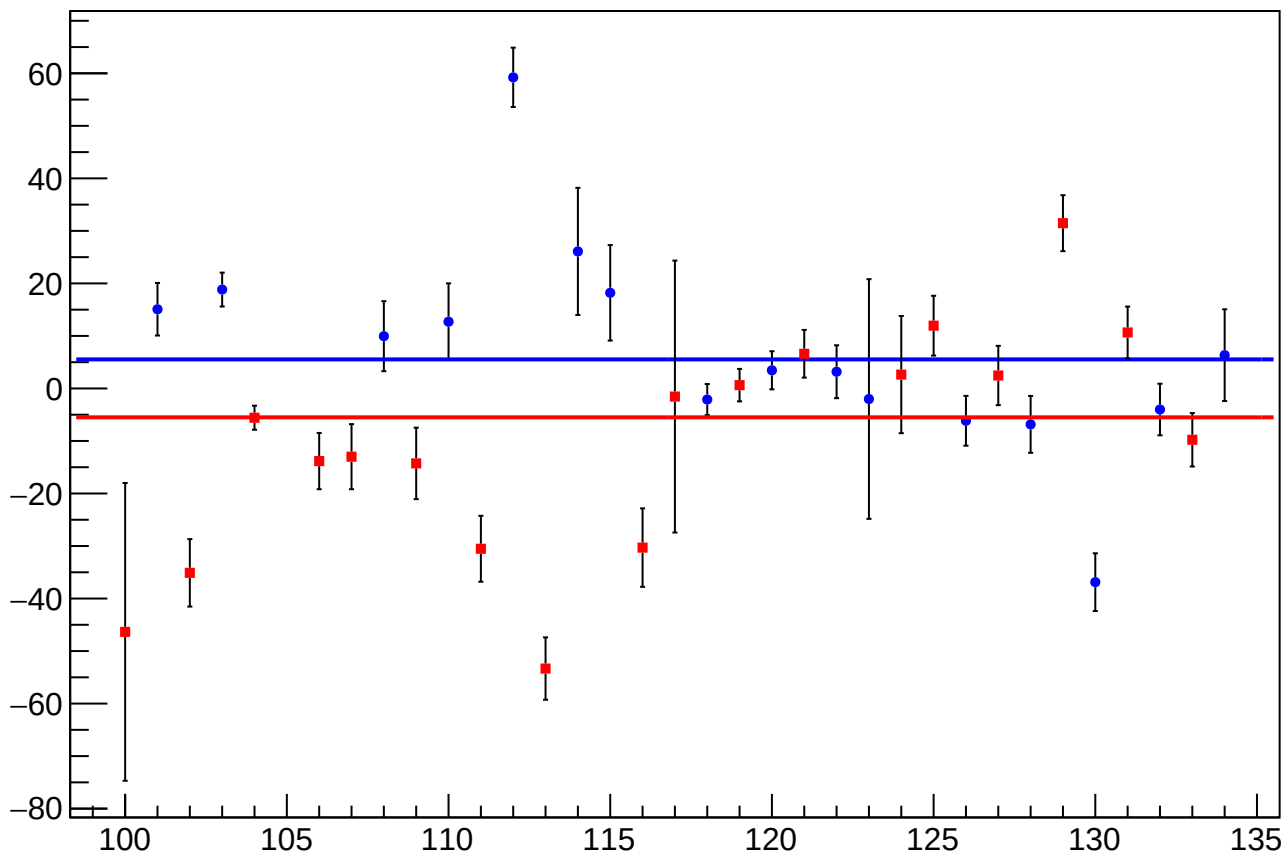
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-224.098+/-2.094  $\chi^2$ /NDF: 2794.6/15

11.372+/-1.428  $\chi^2$ /NDF: 30430.6/33

215.959+/-1.952  $\chi^2$ /NDF: 4006.9/17

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.530+/-1.264  $\chi^2/\text{NDF}$ : 199.1/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.501+/-1.186  $\chi^2/\text{NDF}$ : 203.3/17

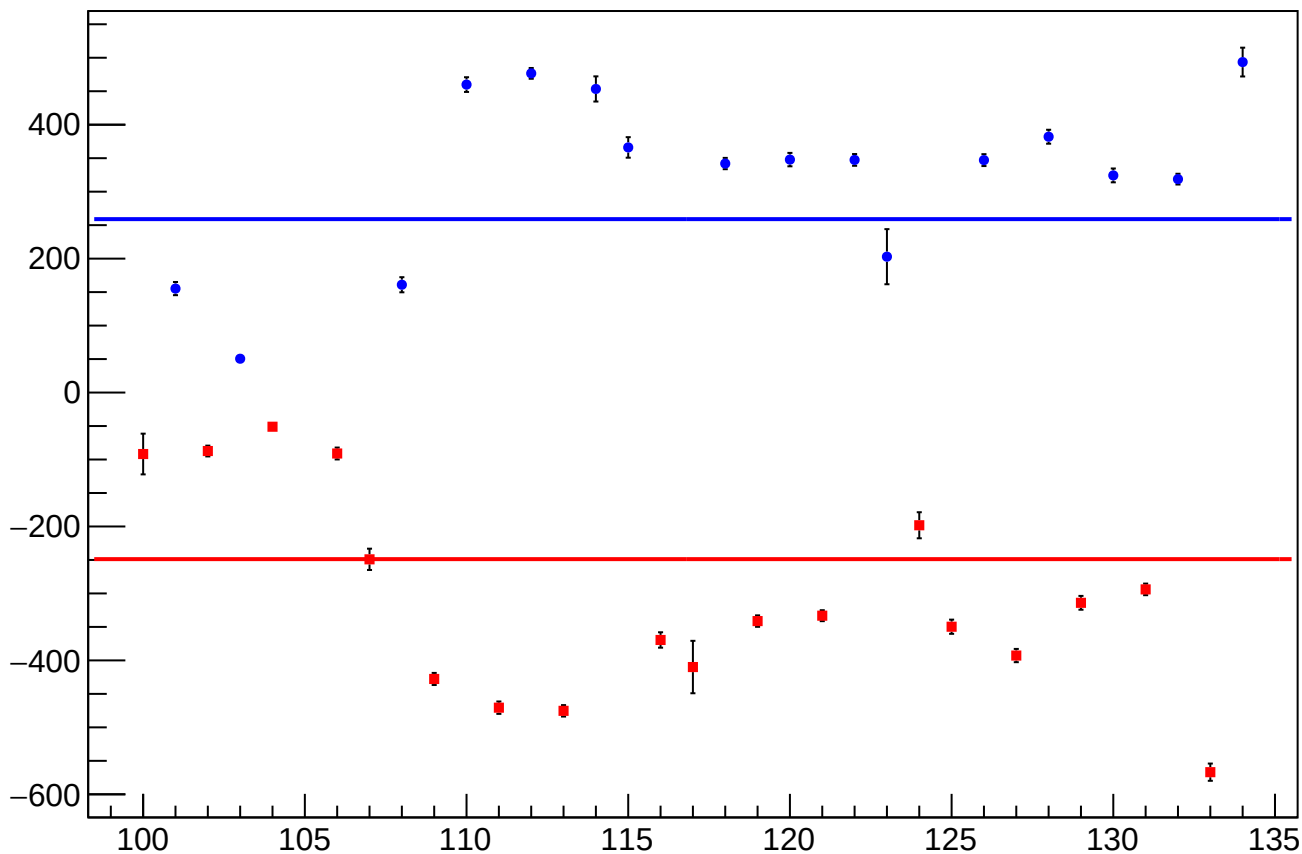
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.530+/-1.264  $\chi^2/\text{NDF}$ : 199.1/15

-0.337+/-0.865  $\chi^2/\text{NDF}$ : 442.9/33

-5.501+/-1.186  $\chi^2/\text{NDF}$ : 203.3/17

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 258.986+/-2.285  $\chi^2/\text{NDF}$ : 4572.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -248.771+/-2.134  $\chi^2/\text{NDF}$ : 6154.9/17

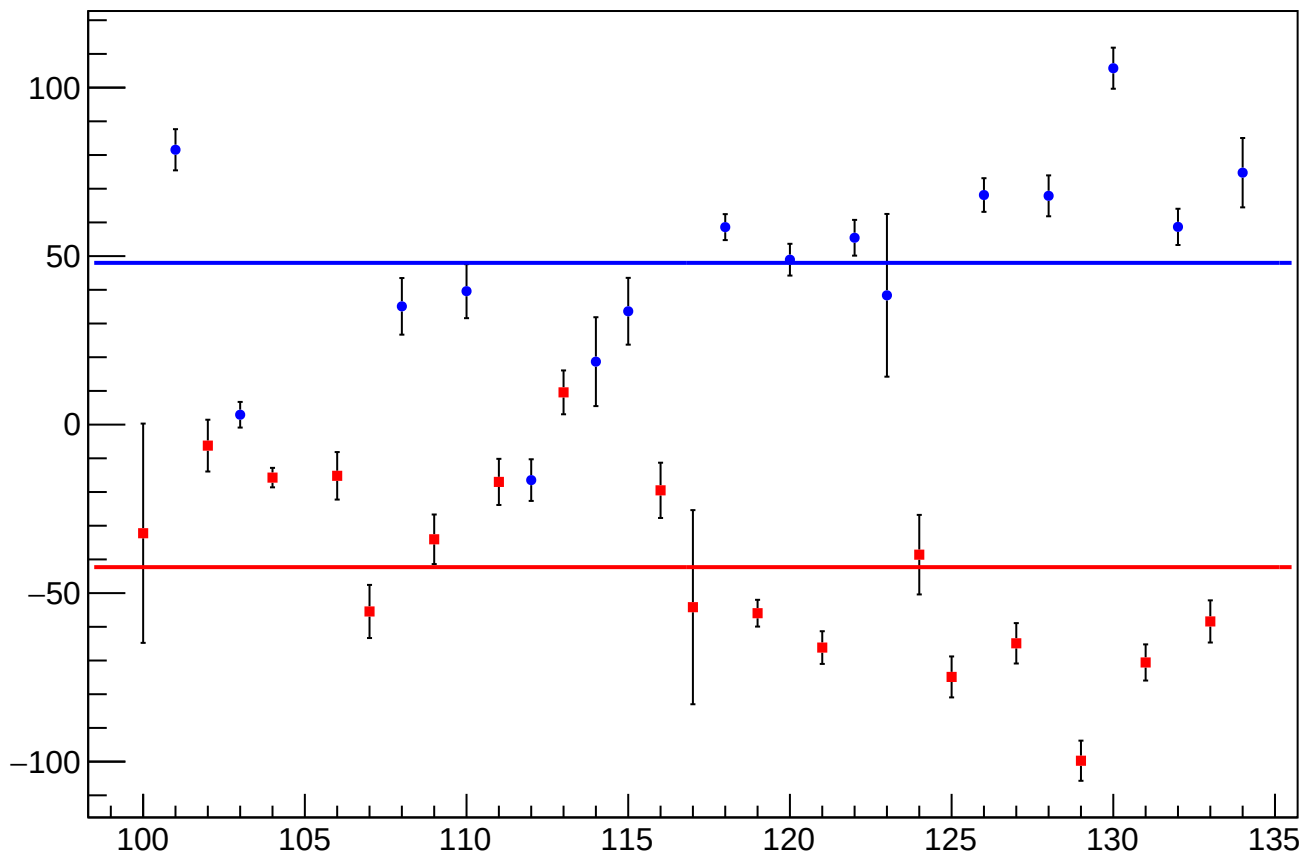
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

258.986+/-2.285  $\chi^2/\text{NDF}$ : 4572.2/15

-12.232+/-1.560  $\chi^2/\text{NDF}$ : 37097.4/33

-248.771+/-2.134  $\chi^2/\text{NDF}$ : 6154.9/17

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 48.000+/-1.482  $\chi^2/\text{NDF}$ : 427.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -42.291+/-1.401  $\chi^2/\text{NDF}$ : 417.0/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

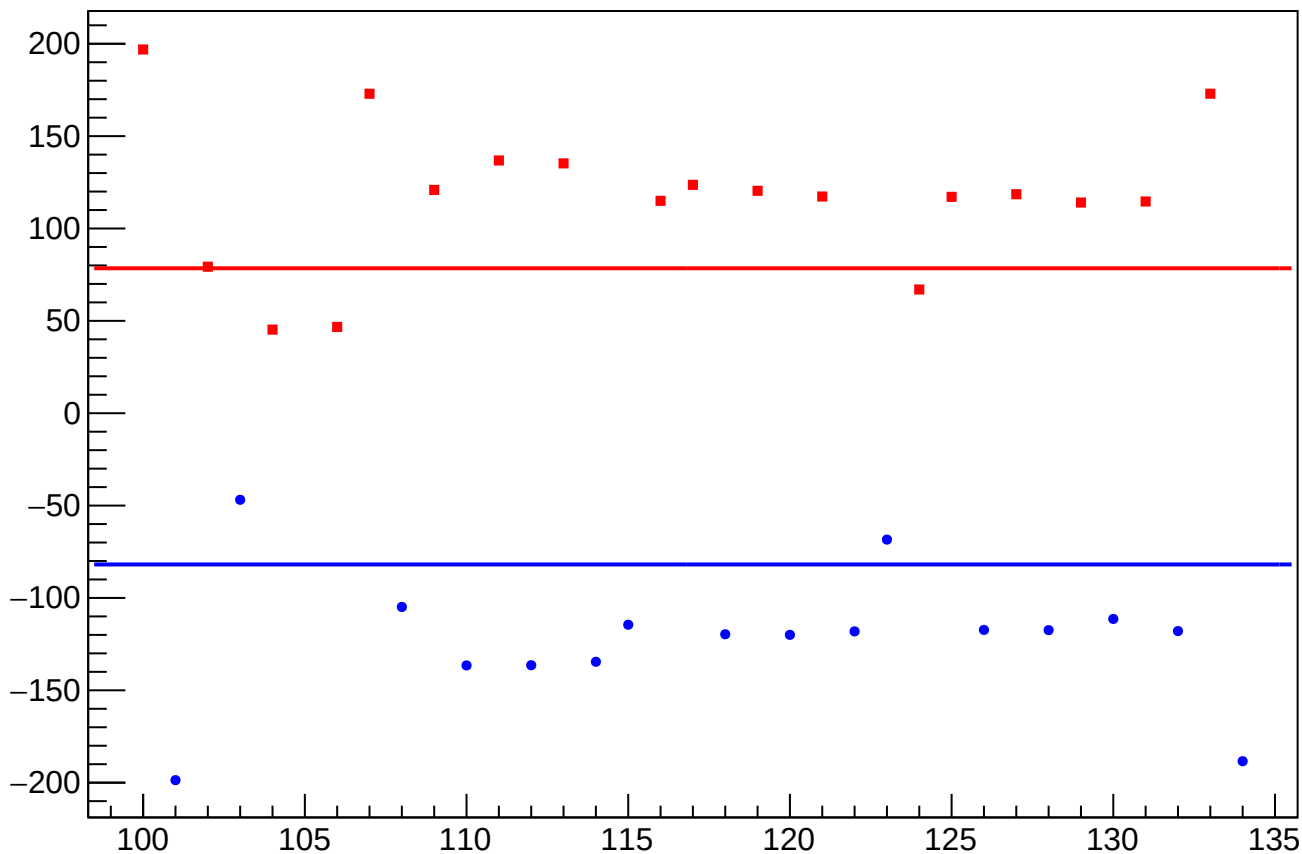
48.000+/-1.482  $\chi^2/\text{NDF}$ : 427.0/15

0.317+/-1.018  $\chi^2/\text{NDF}$ : 2805.2/33

-42.291+/-1.401  $\chi^2/\text{NDF}$ : 417.0/17



reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -81.871+/-0.071  $\chi^2/\text{NDF}$ : 379368.0/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 78.467+/-0.068  $\chi^2/\text{NDF}$ : 355032.2/17

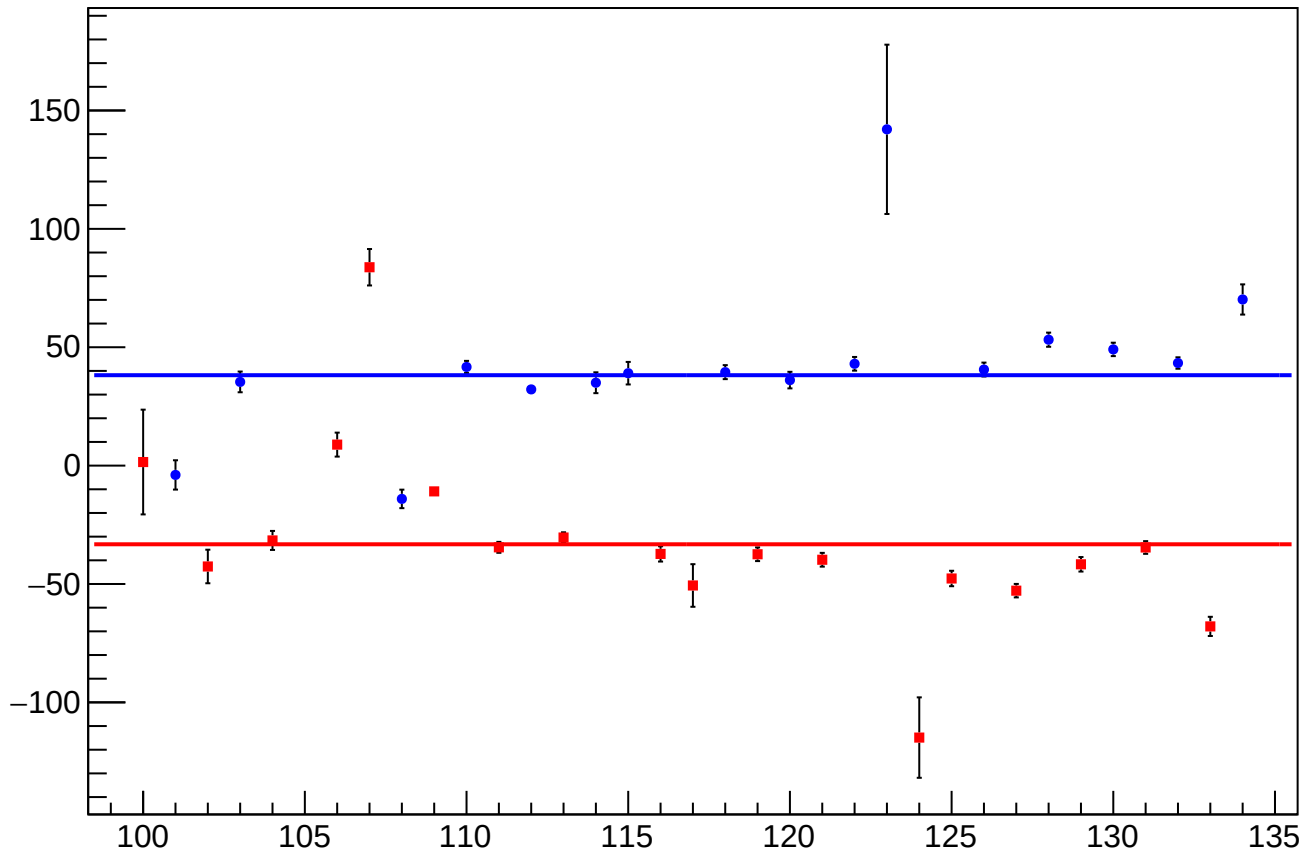
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-81.871+/-0.071  $\chi^2/\text{NDF}$ : 379368.0/15

2.379+/-0.049  $\chi^2/\text{NDF}$ : 3380214.6/33

78.467+/-0.068  $\chi^2/\text{NDF}$ : 355032.2/17

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $38.191 \pm 0.822$   $\chi^2/\text{NDF}$ : 318.0/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-33.226 \pm 0.781$   $\chi^2/\text{NDF}$ : 606.5/17

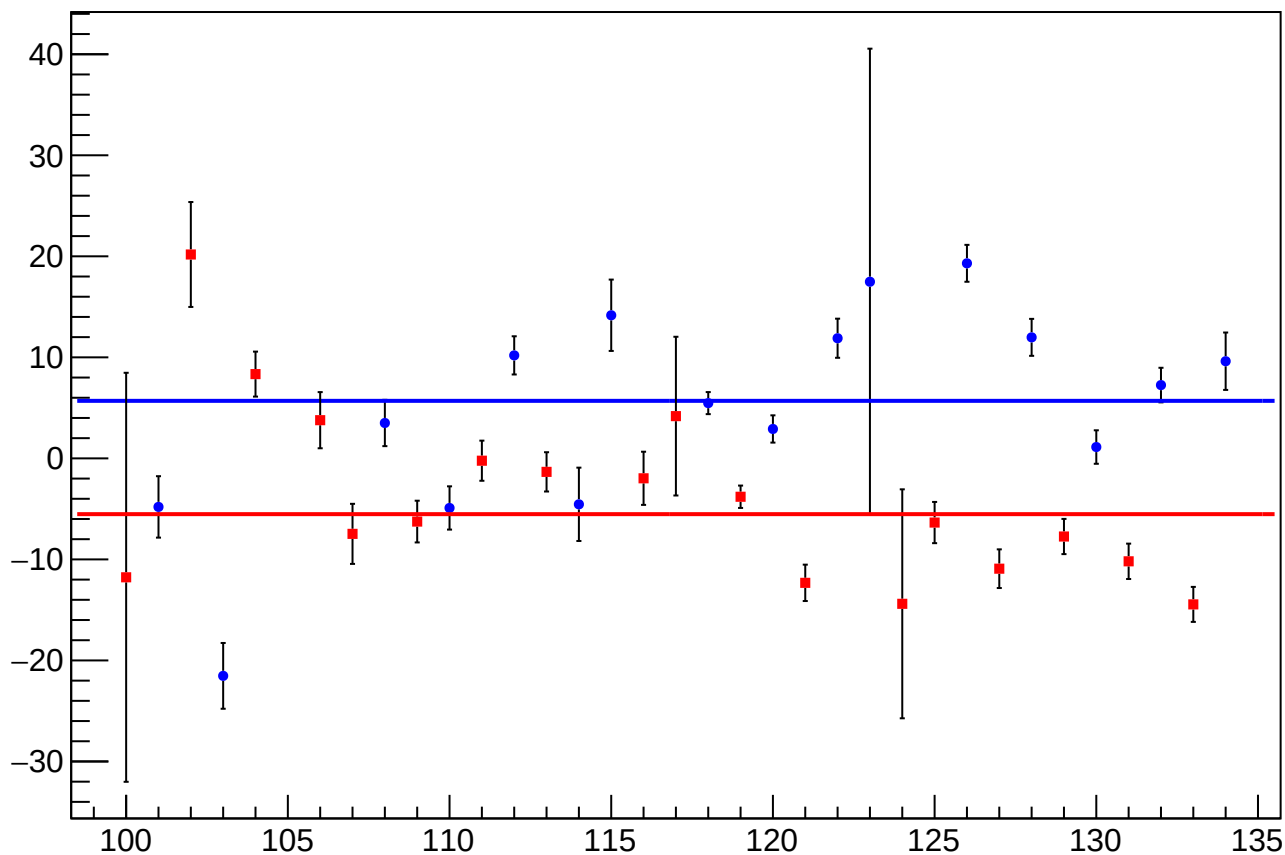
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$38.191 \pm 0.822$   $\chi^2/\text{NDF}$ : 318.0/15

$0.629 \pm 0.566$   $\chi^2/\text{NDF}$ : 4891.1/33

$-33.226 \pm 0.781$   $\chi^2/\text{NDF}$ : 606.5/17

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.694+/-0.492  $\chi^2/\text{NDF}$ : 219.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.521+/-0.498  $\chi^2/\text{NDF}$ : 150.9/17

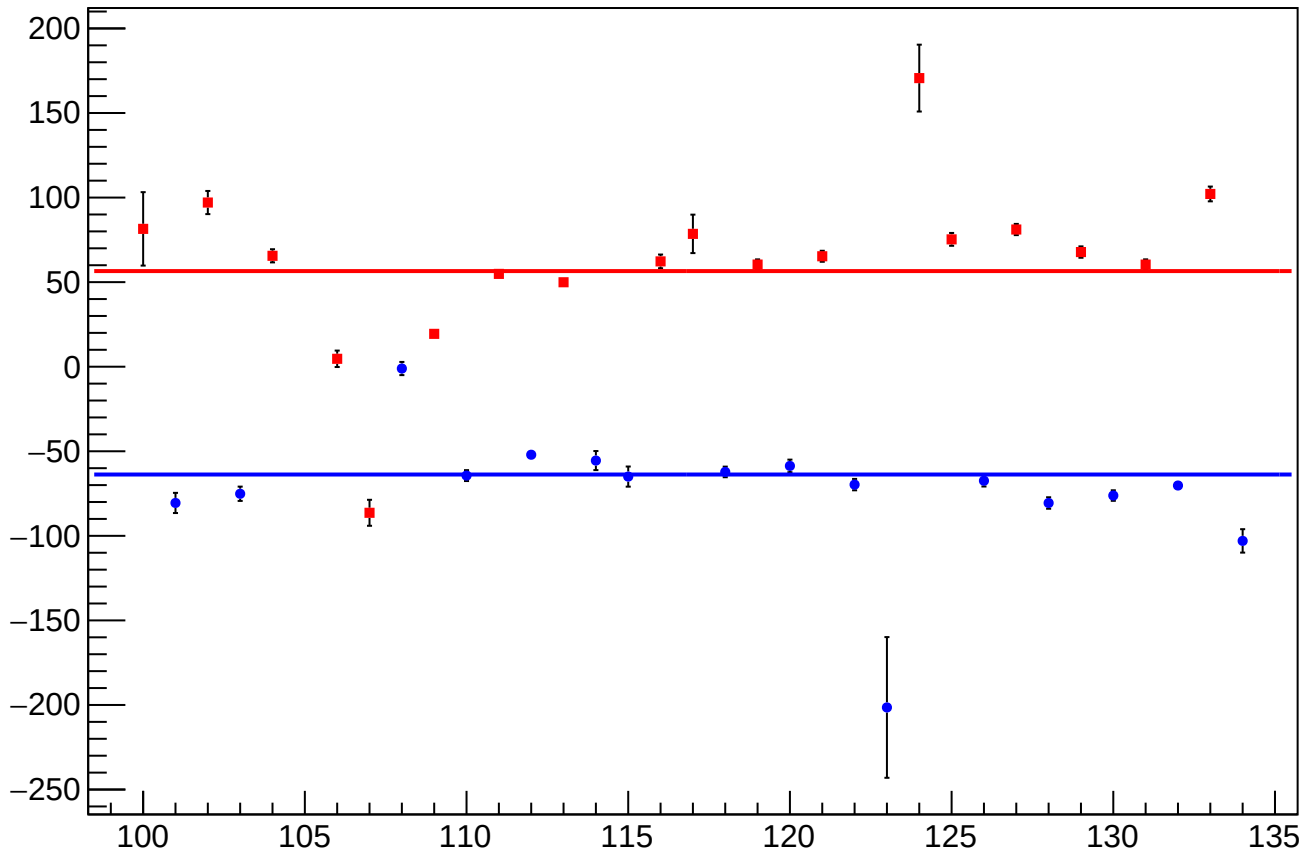
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

5.694+/-0.492  $\chi^2/\text{NDF}$ : 219.2/15

0.156+/-0.350  $\chi^2/\text{NDF}$ : 626.7/33

-5.521+/-0.498  $\chi^2/\text{NDF}$ : 150.9/17

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -63.744±/-0.940  $\chi^2/\text{NDF}$ : 390.4/15

Left Out: 0.000±/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 56.536±/-0.908  $\chi^2/\text{NDF}$ : 951.1/17

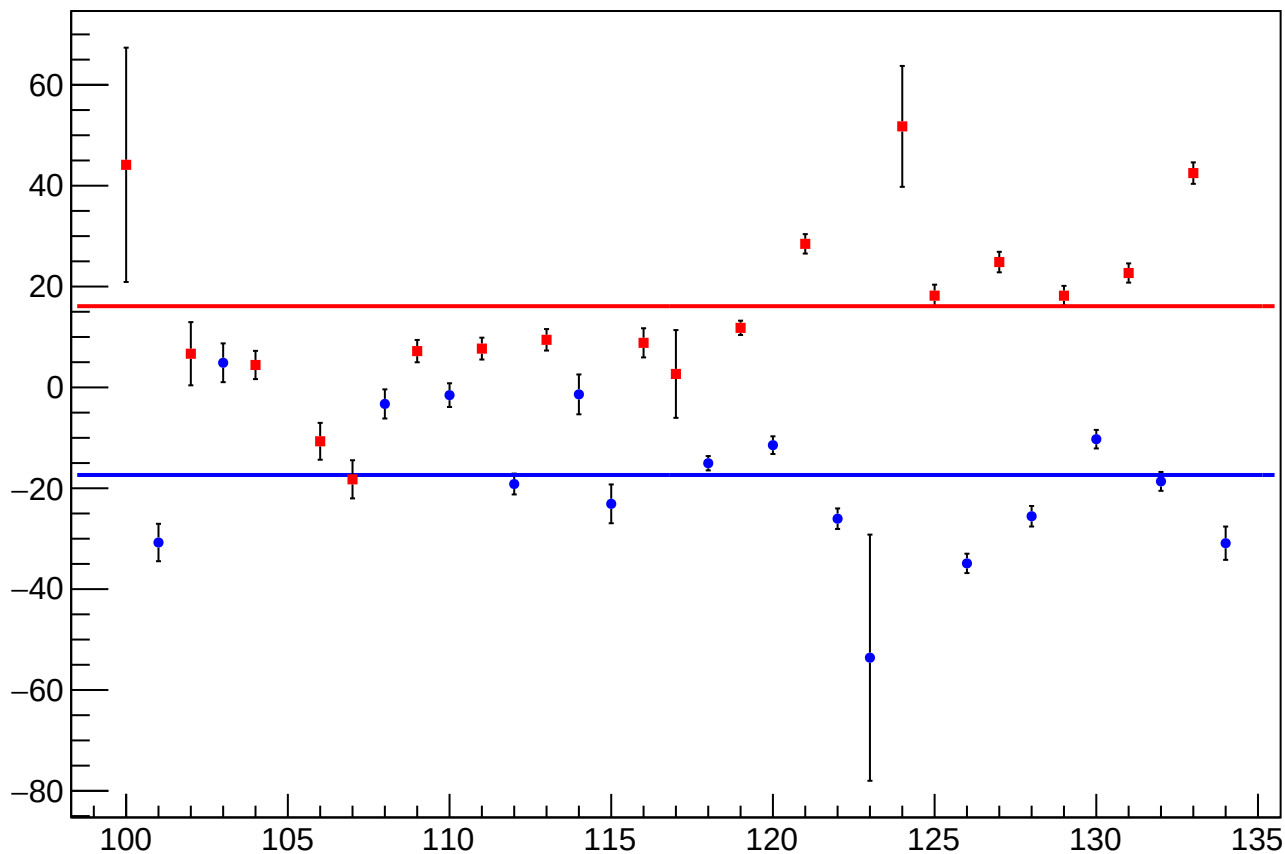
Left In: 0.000±/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-63.744±/-0.940  $\chi^2/\text{NDF}$ : 390.4/15

-1.488±/-0.653  $\chi^2/\text{NDF}$ : 9809.1/33

56.536±/-0.908  $\chi^2/\text{NDF}$ : 951.1/17

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-17.363 \pm 0.572$   $\chi^2/\text{NDF}$ : 301.1/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $16.106 \pm 0.572$   $\chi^2/\text{NDF}$ : 452.3/17

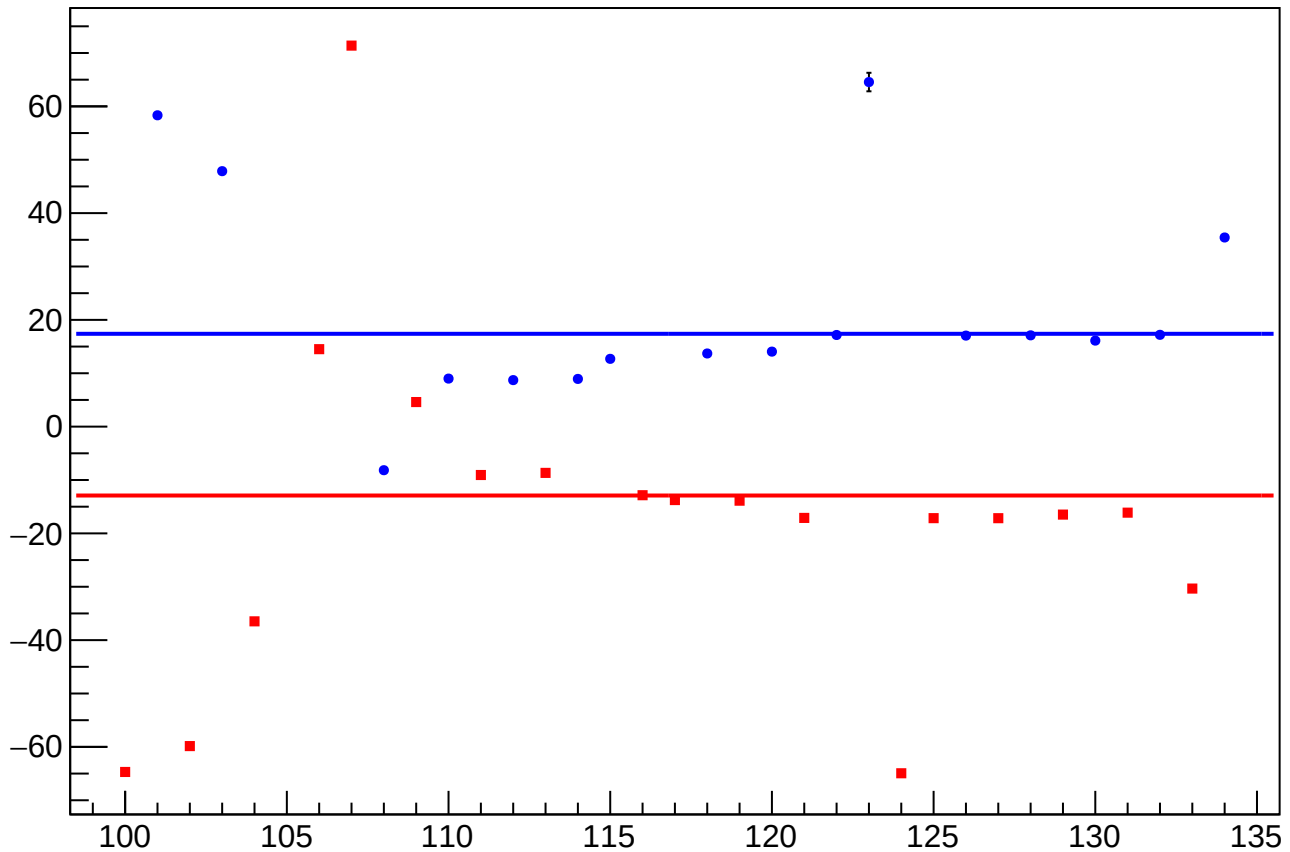
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-17.363 \pm 0.572$   $\chi^2/\text{NDF}$ : 301.1/15

$-0.637 \pm 0.405$   $\chi^2/\text{NDF}$ : 2463.5/33

$16.106 \pm 0.572$   $\chi^2/\text{NDF}$ : 452.3/17

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 17.390+/-0.036  $\chi^2$ /NDF: 243040.2/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -12.906+/-0.036  $\chi^2$ /NDF: 460903.9/17

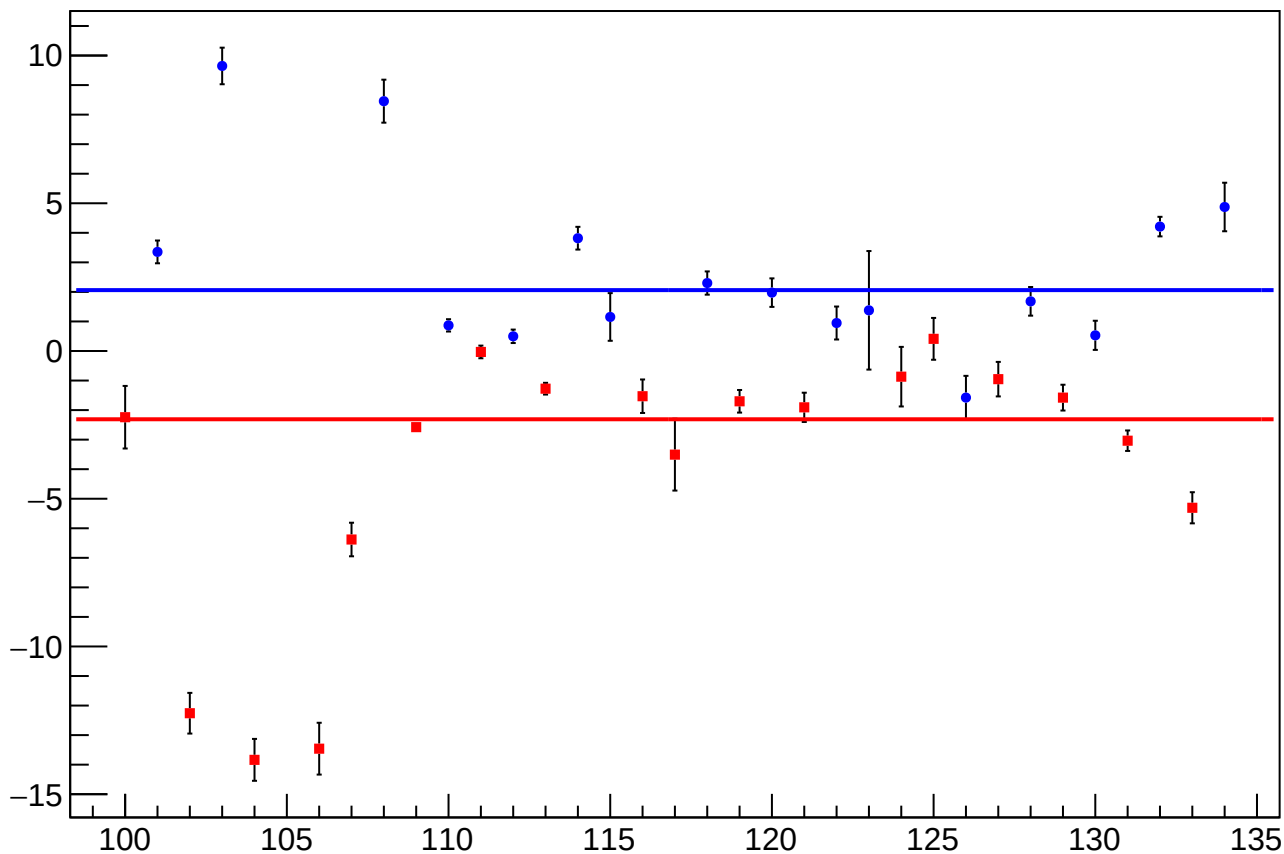
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

17.390+/-0.036  $\chi^2$ /NDF: 243040.2/15

2.241+/-0.025  $\chi^2$ /NDF: 1059704.4/33

-12.906+/-0.036  $\chi^2$ /NDF: 460903.9/17

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.061+/-0.102  $\chi^2/\text{NDF}$ : 433.9/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.311+/-0.087  $\chi^2/\text{NDF}$ : 896.9/17

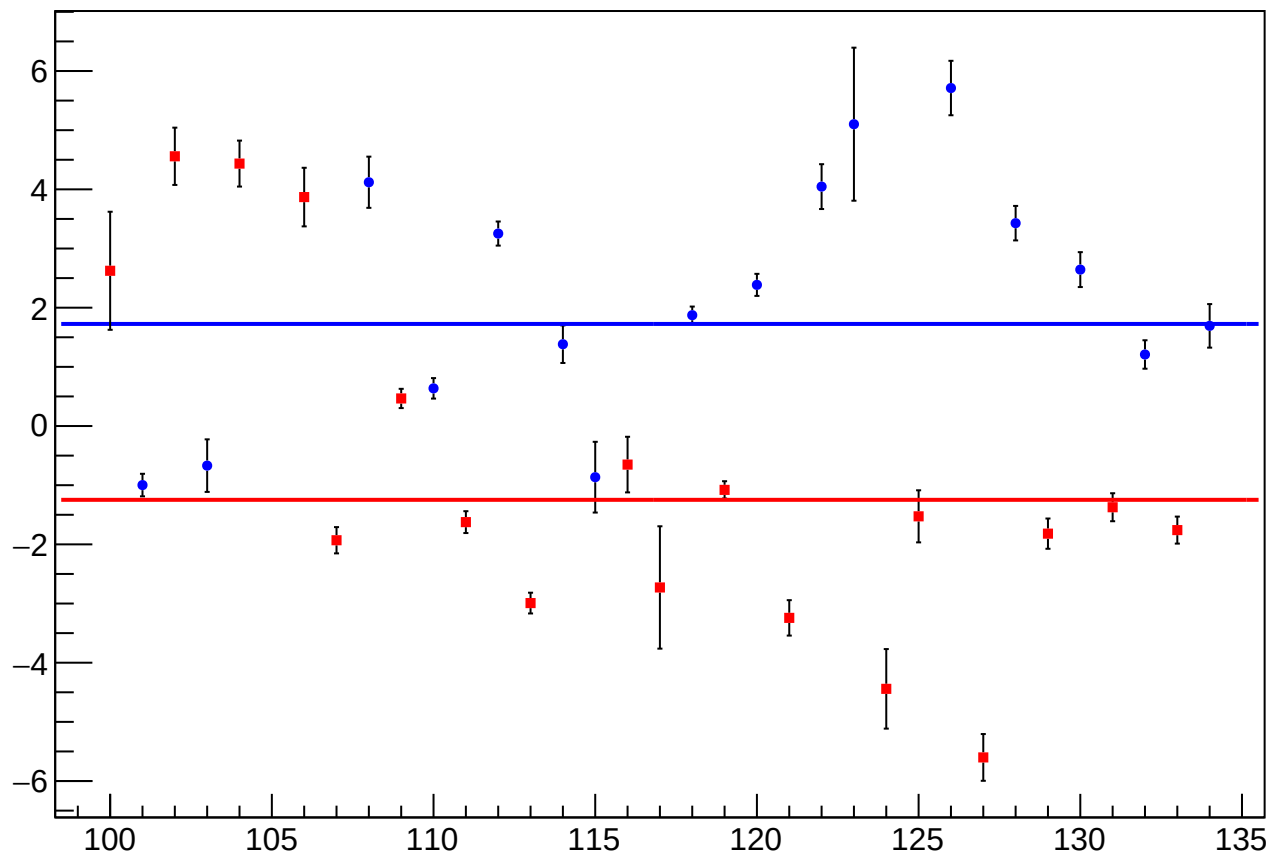
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.061+/-0.102  $\chi^2/\text{NDF}$ : 433.9/15

-0.464+/-0.066  $\chi^2/\text{NDF}$ : 2400.4/33

-2.311+/-0.087  $\chi^2/\text{NDF}$ : 896.9/17

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.725+/-0.064  $\chi^2/\text{NDF}$ : 561.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.247+/-0.061  $\chi^2/\text{NDF}$ : 907.1/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

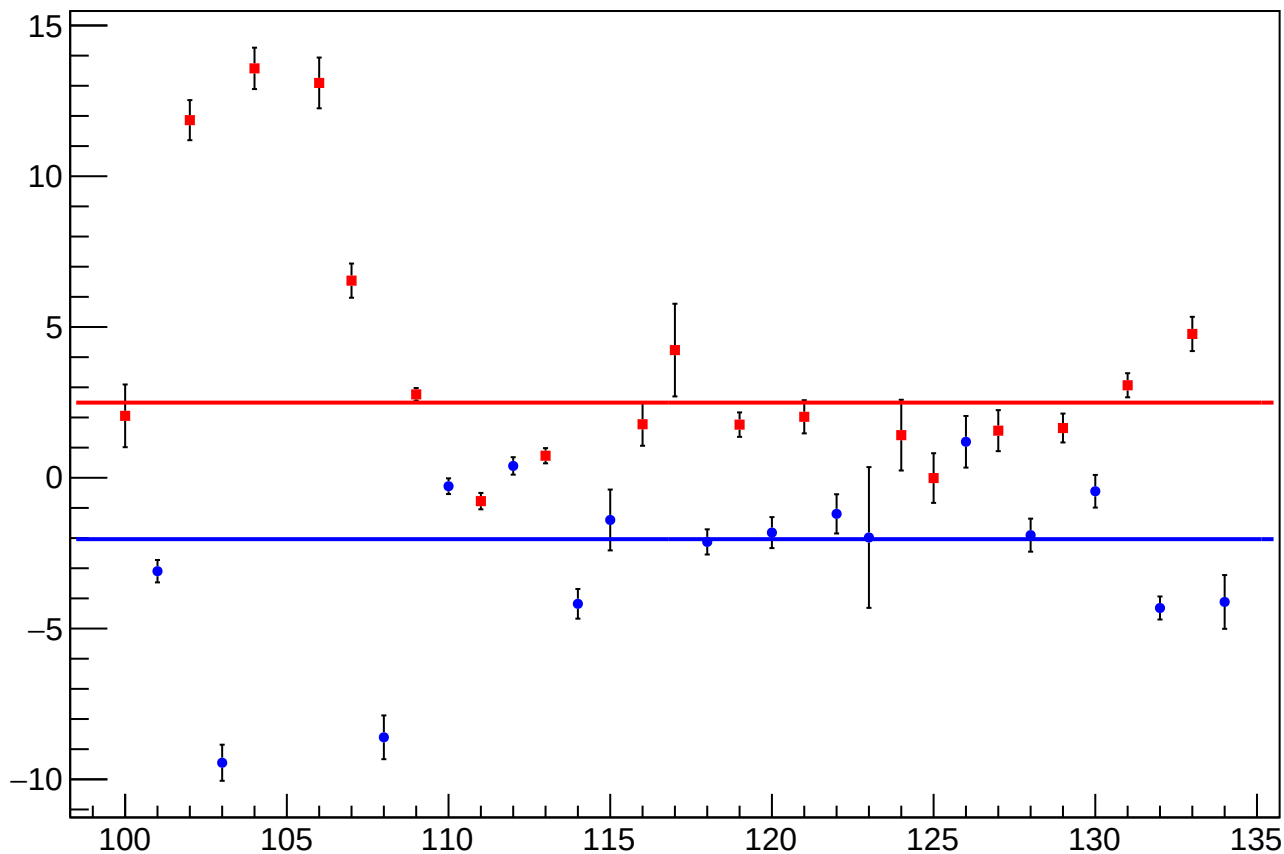
1.725+/-0.064  $\chi^2/\text{NDF}$ : 561.2/15

0.178+/-0.044  $\chi^2/\text{NDF}$ : 2593.0/33

-1.247+/-0.061  $\chi^2/\text{NDF}$ : 907.1/17



reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.035+/-0.118  $\chi^2/\text{NDF}$ : 444.7/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.493+/-0.104  $\chi^2/\text{NDF}$ : 903.4/17

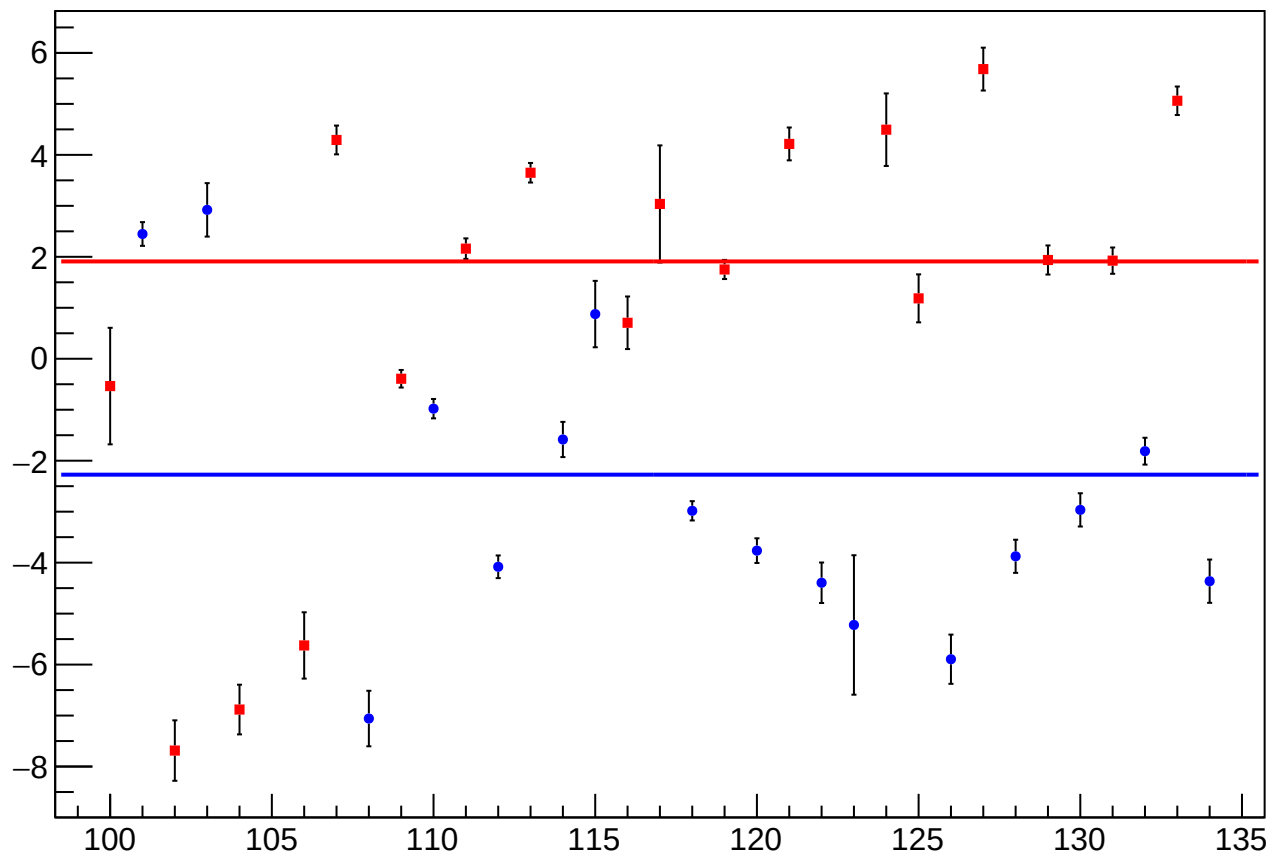
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.035+/-0.118  $\chi^2/\text{NDF}$ : 444.7/15

0.500+/-0.078  $\chi^2/\text{NDF}$ : 2174.6/33

2.493+/-0.104  $\chi^2/\text{NDF}$ : 903.4/17

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.274+/-0.075  $\chi^2$ /NDF: 923.8/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.909+/-0.070  $\chi^2$ /NDF: 1339.8/17

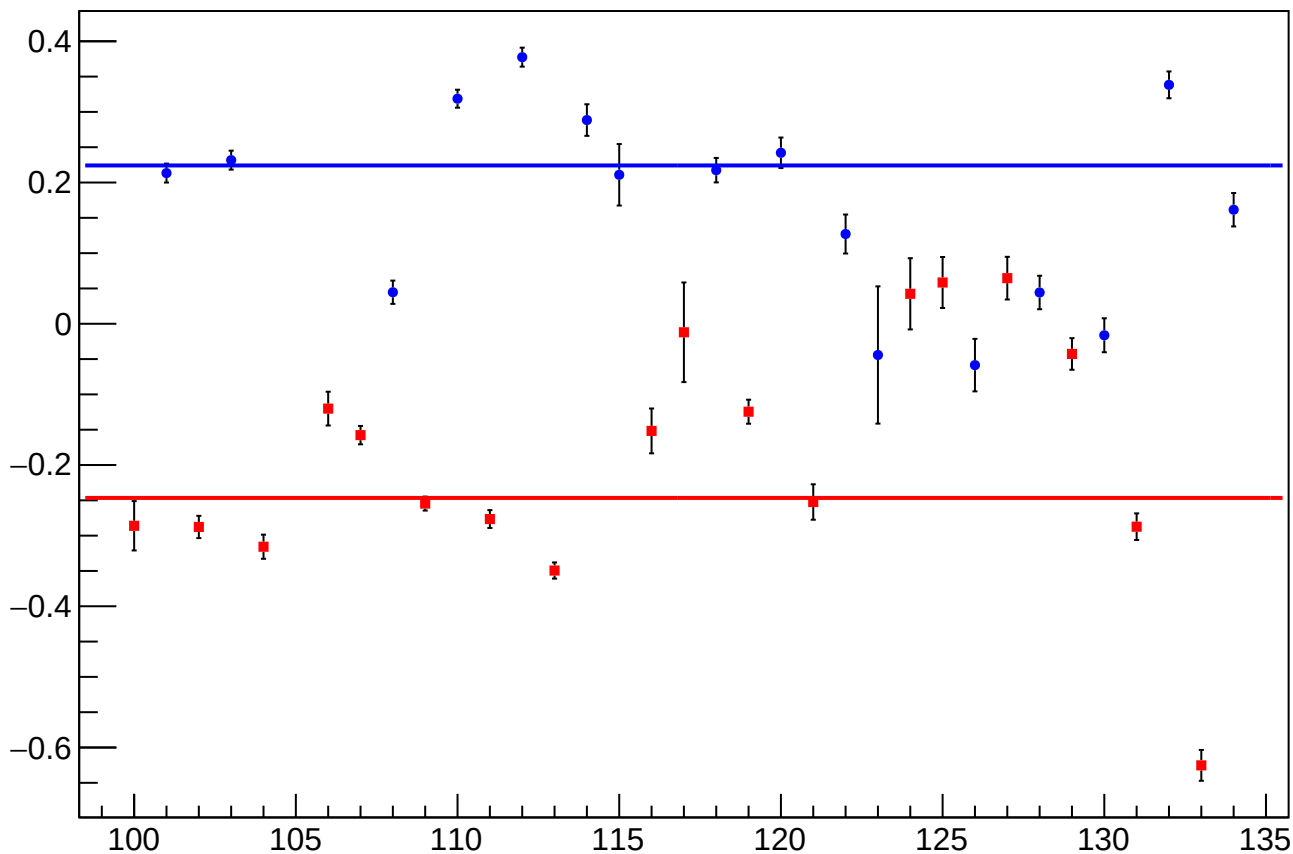
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.274+/-0.075  $\chi^2$ /NDF: 923.8/15

-0.052+/-0.051  $\chi^2$ /NDF: 3928.1/33

1.909+/-0.070  $\chi^2$ /NDF: 1339.8/17

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.224+/-0.005  $\chi^2/\text{NDF}$ : 593.2/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.247+/-0.004  $\chi^2/\text{NDF}$ : 856.4/17

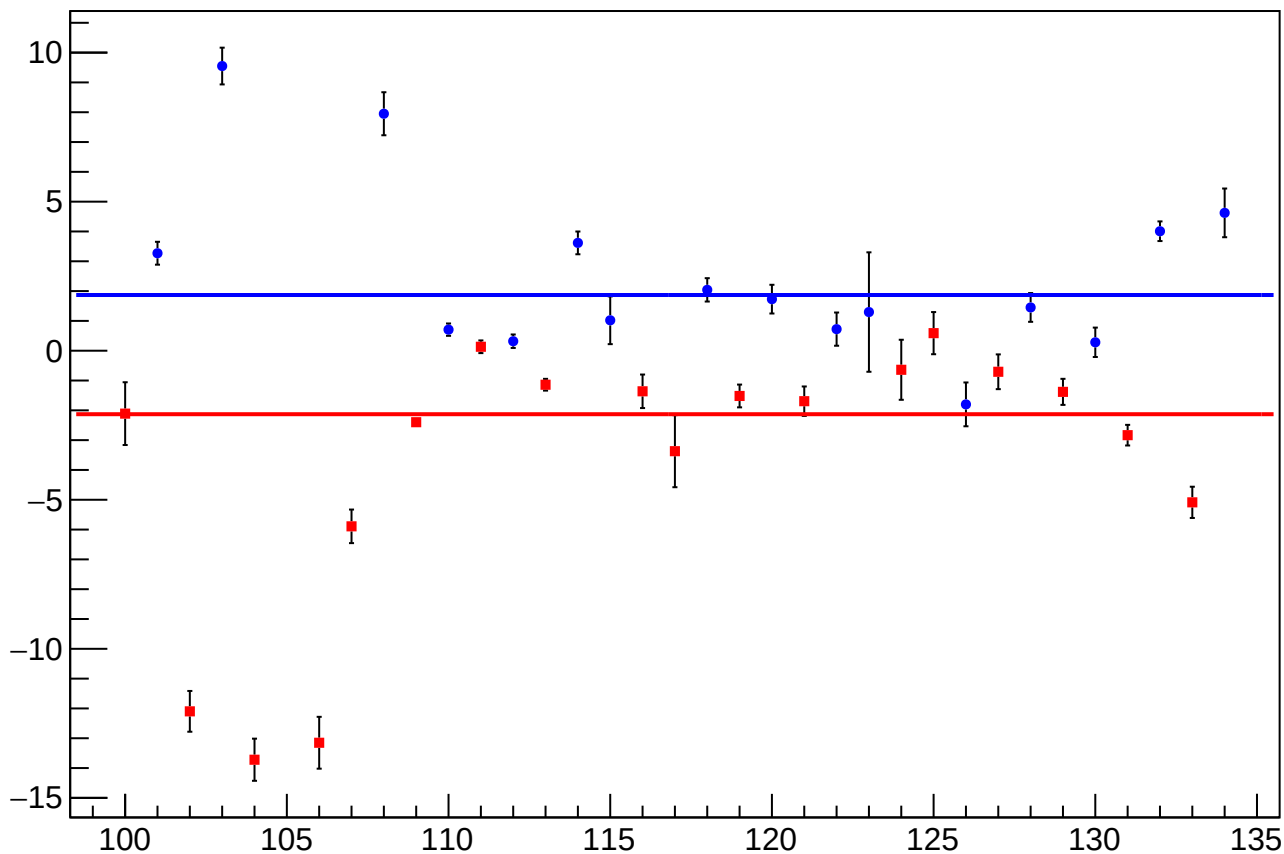
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.224+/-0.005  $\chi^2/\text{NDF}$ : 593.2/15

-0.036+/-0.003  $\chi^2/\text{NDF}$ : 6938.1/33

-0.247+/-0.004  $\chi^2/\text{NDF}$ : 856.4/17

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.869+/-0.101  $\chi^2/\text{NDF}$ : 434.3/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.130+/-0.086  $\chi^2/\text{NDF}$ : 895.7/17

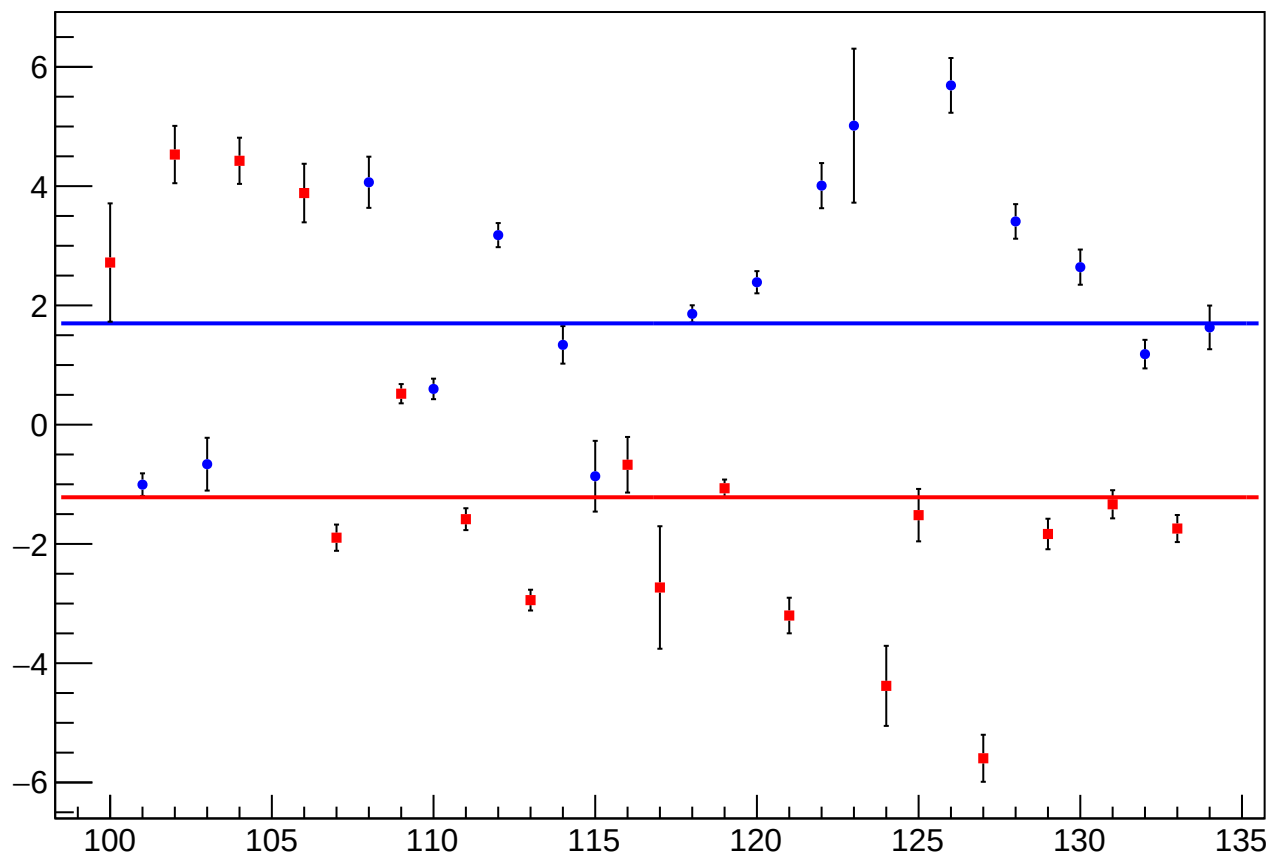
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.869+/-0.101  $\chi^2/\text{NDF}$ : 434.3/15

-0.443+/-0.066  $\chi^2/\text{NDF}$ : 2235.1/33

-2.130+/-0.086  $\chi^2/\text{NDF}$ : 895.7/17

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.699+/-0.064  $\chi^2/\text{NDF}$ : 560.5/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.217+/-0.061  $\chi^2/\text{NDF}$ : 912.0/17

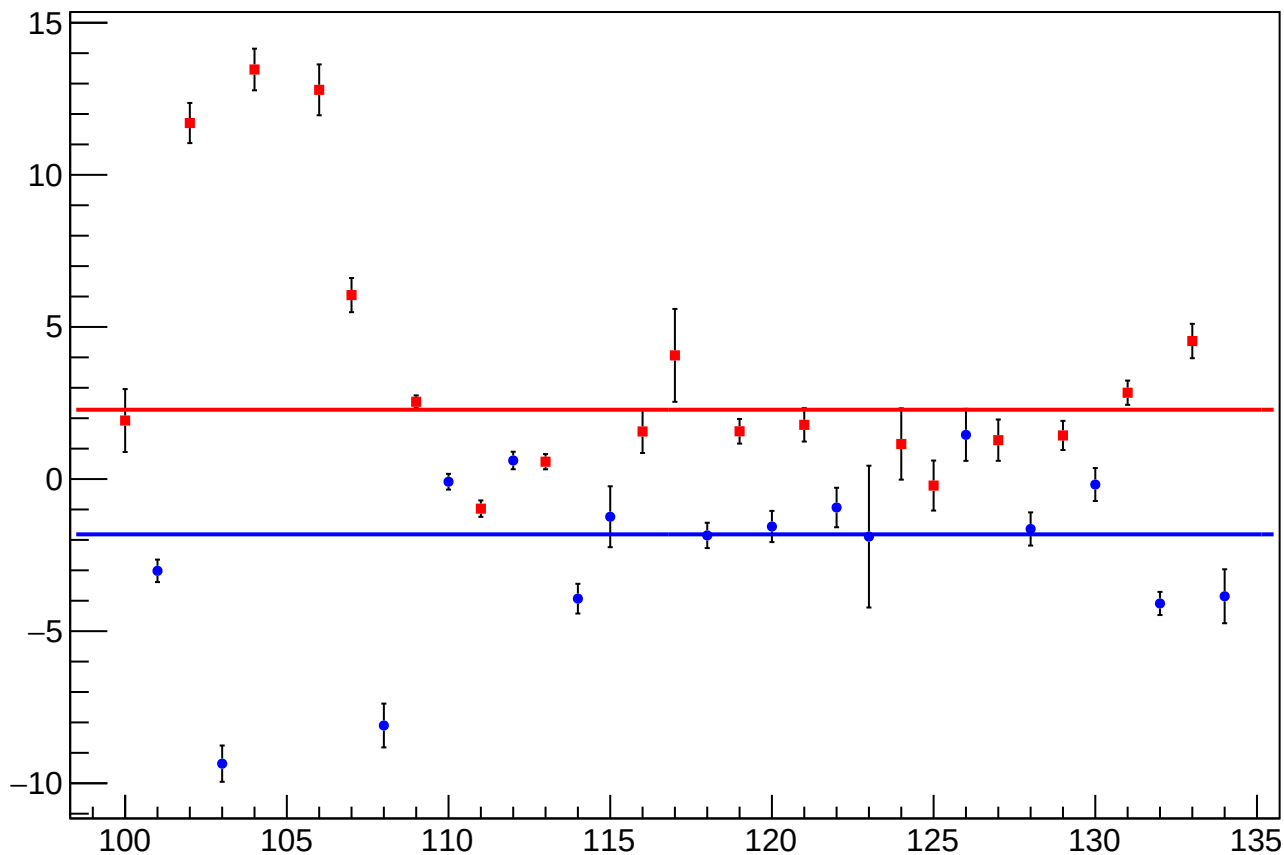
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.699+/-0.064  $\chi^2/\text{NDF}$ : 560.5/15

0.181+/-0.044  $\chi^2/\text{NDF}$ : 2565.0/33

-1.217+/-0.061  $\chi^2/\text{NDF}$ : 912.0/17

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.818+/-0.117  $\chi^2/\text{NDF}$ : 448.5/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.279+/-0.104  $\chi^2/\text{NDF}$ : 907.4/17

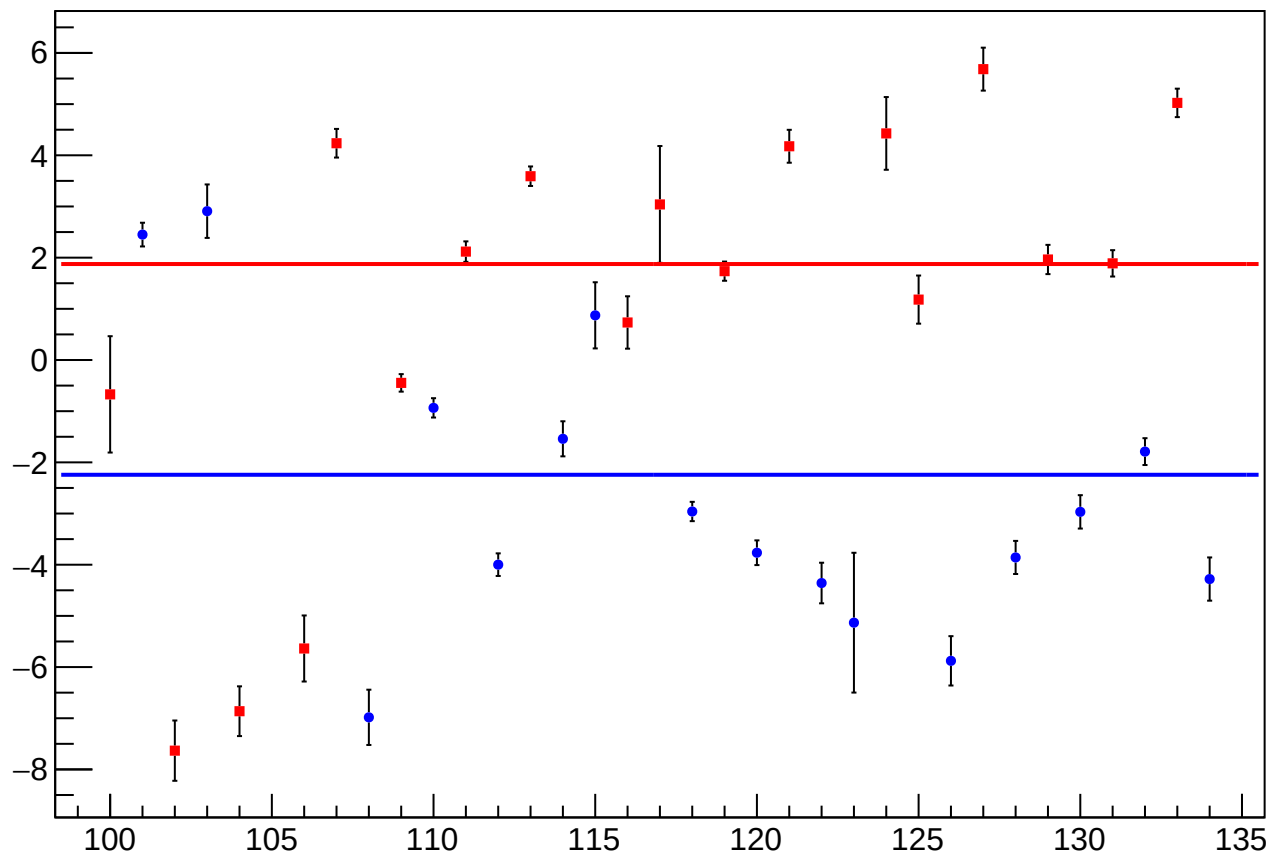
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.818+/-0.117  $\chi^2/\text{NDF}$ : 448.5/15

0.478+/-0.078  $\chi^2/\text{NDF}$ : 2039.6/33

2.279+/-0.104  $\chi^2/\text{NDF}$ : 907.4/17

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.243+/-0.074  $\chi^2$ /NDF: 922.9/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.875+/-0.070  $\chi^2$ /NDF: 1345.4/17

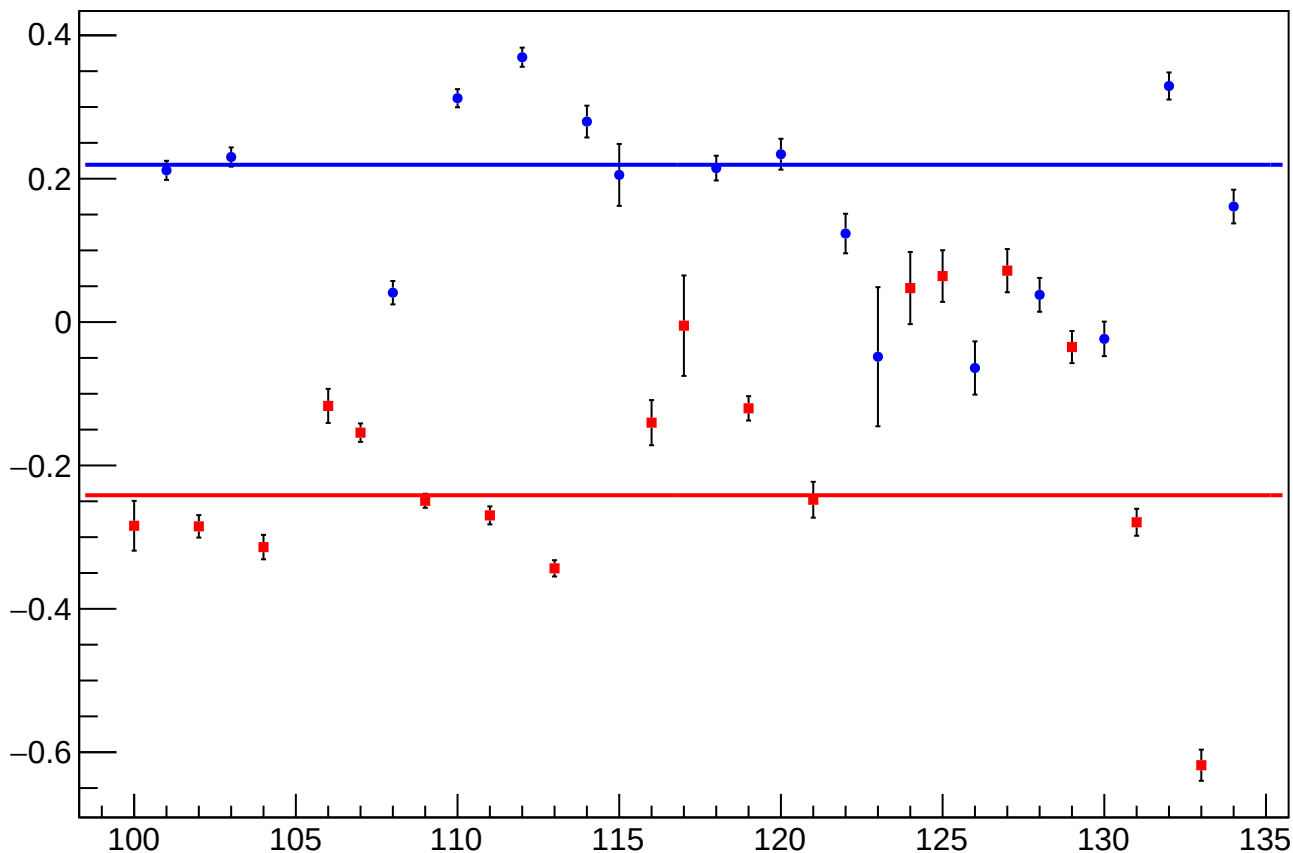
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.243+/-0.074  $\chi^2$ /NDF: 922.9/15

-0.055+/-0.051  $\chi^2$ /NDF: 3896.5/33

1.875+/-0.070  $\chi^2$ /NDF: 1345.4/17

reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.219+/-0.005  $\chi^2/\text{NDF}$ : 587.9/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.242+/-0.004  $\chi^2/\text{NDF}$ : 862.2/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

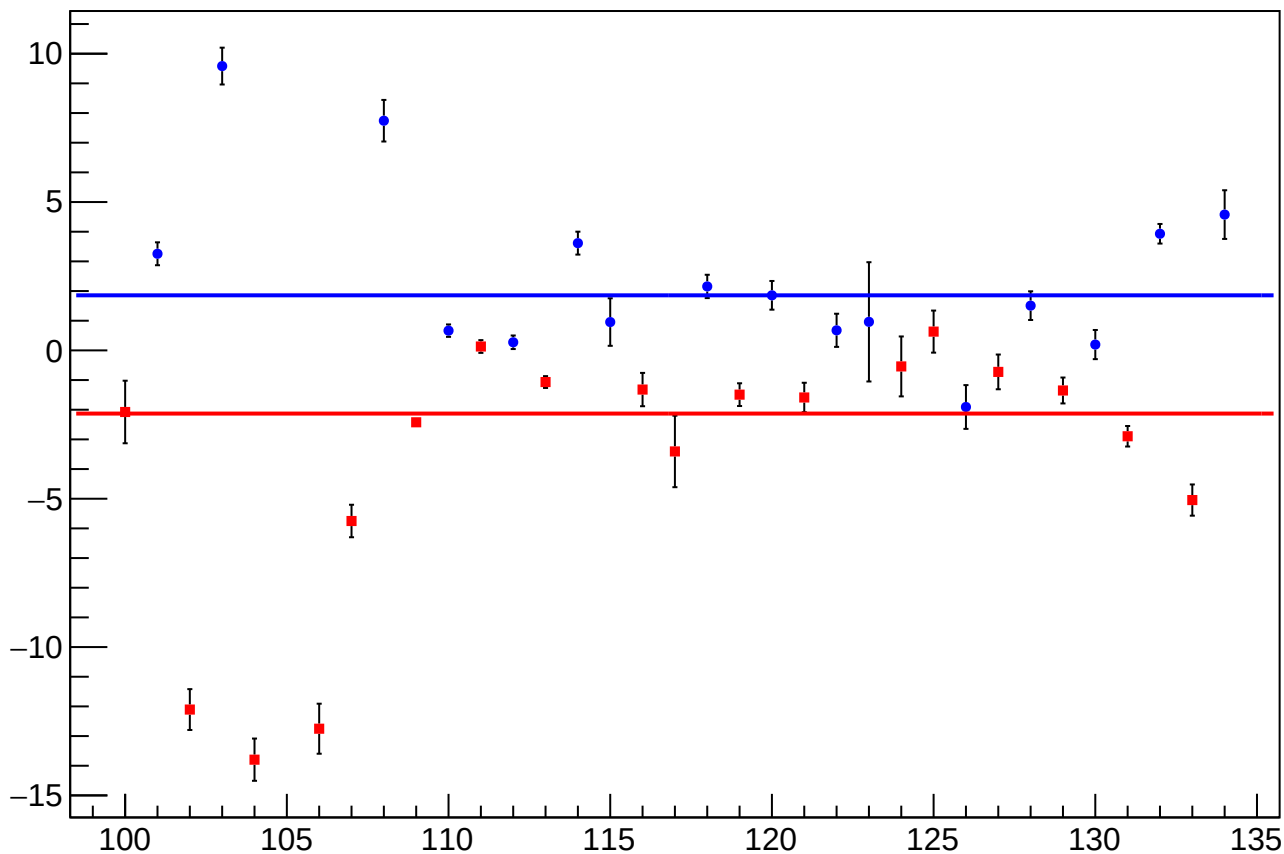
0.219+/-0.005  $\chi^2/\text{NDF}$ : 587.9/15

-0.036+/-0.003  $\chi^2/\text{NDF}$ : 6770.2/33

-0.242+/-0.004  $\chi^2/\text{NDF}$ : 862.2/17



reg\_asym\_bcm\_an\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.856+/-0.102  $\chi^2/\text{NDF}$ : 434.7/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.130+/-0.087  $\chi^2/\text{NDF}$ : 892.5/17

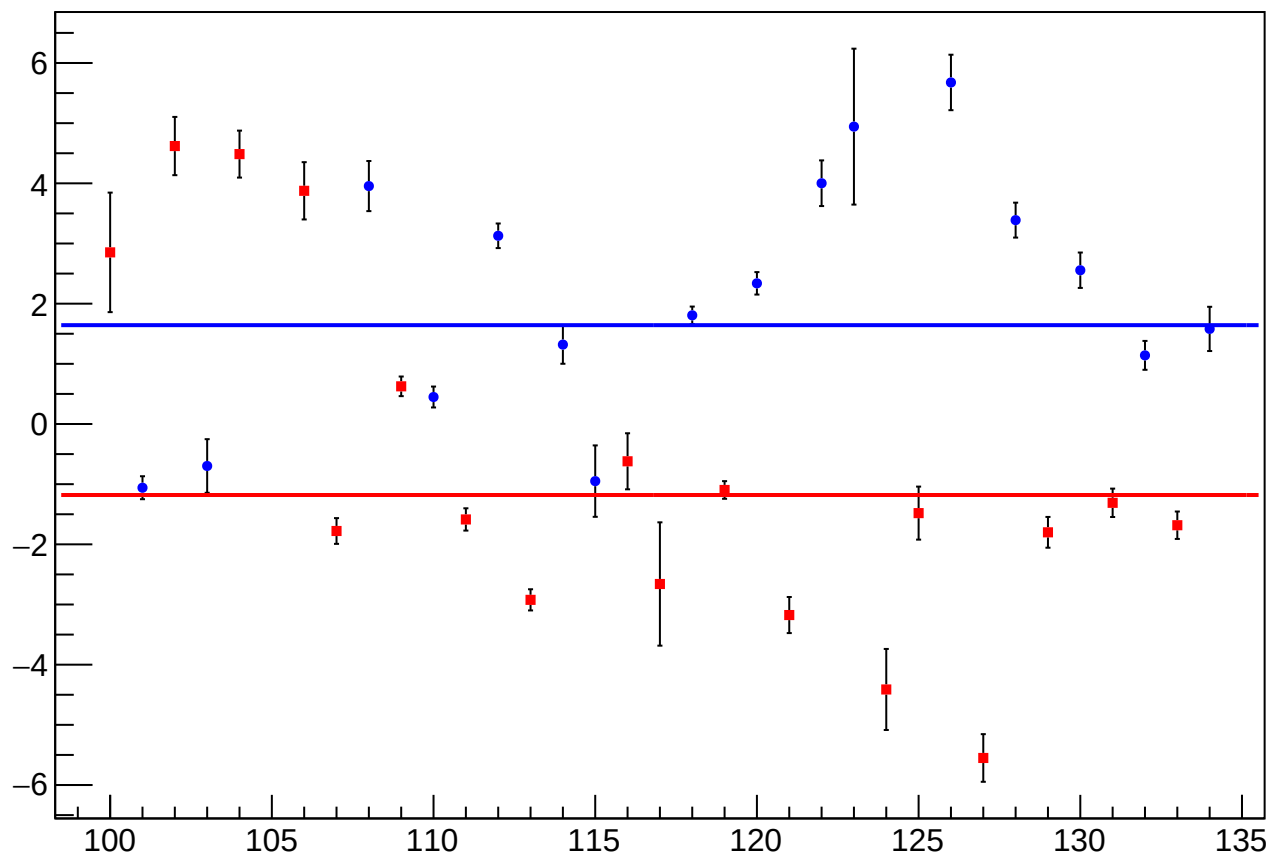
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.856+/-0.102  $\chi^2/\text{NDF}$ : 434.7/15

-0.447+/-0.066  $\chi^2/\text{NDF}$ : 2215.5/33

-2.130+/-0.087  $\chi^2/\text{NDF}$ : 892.5/17

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.643 $\pm$ 0.064  $\chi^2$ /NDF: 566.0/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.180 $\pm$ 0.061  $\chi^2$ /NDF: 921.4/17

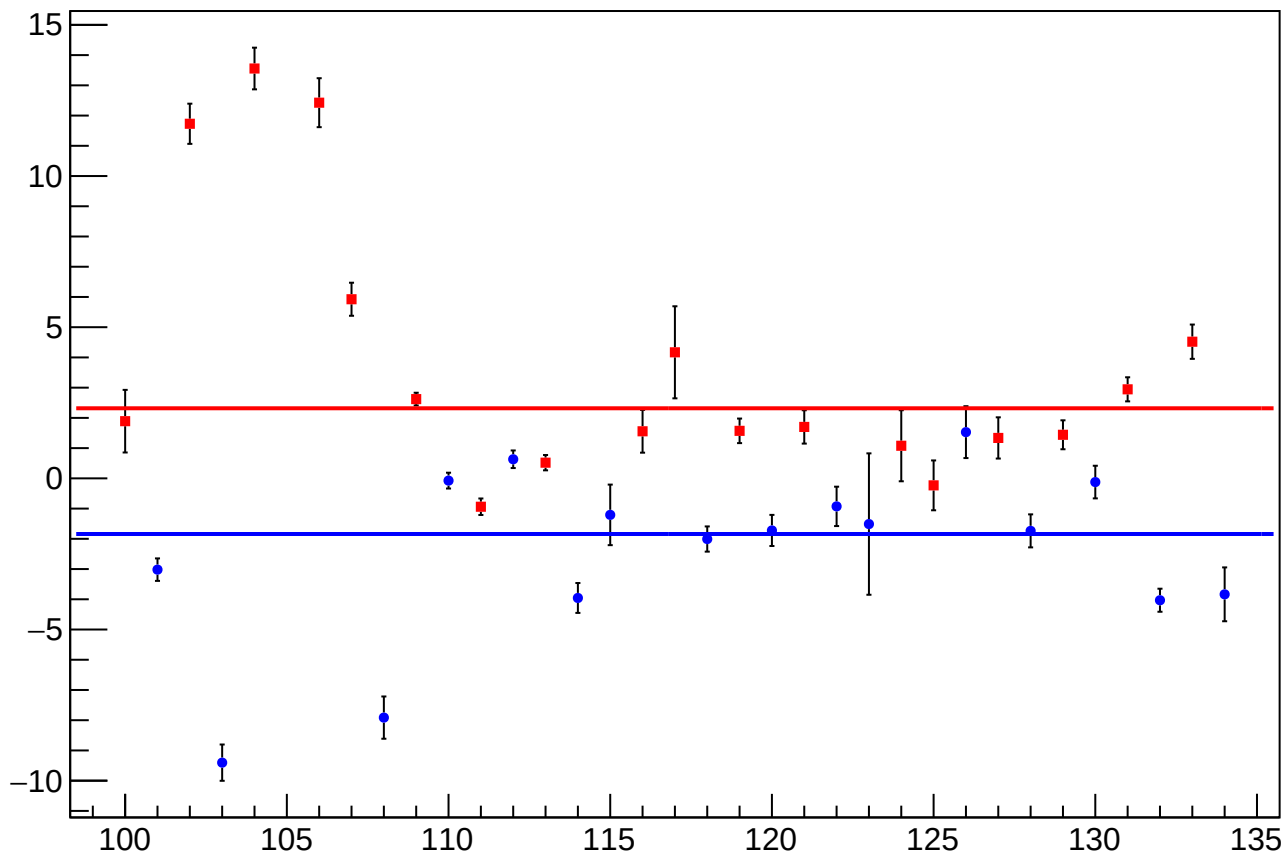
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.643 $\pm$ 0.064  $\chi^2$ /NDF: 566.0/15

0.171 $\pm$ 0.044  $\chi^2$ /NDF: 2504.0/33

-1.180 $\pm$ 0.061  $\chi^2$ /NDF: 921.4/17

reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.841 \pm 0.118$   $\chi^2/\text{NDF}$ : 446.8/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $2.318 \pm 0.104$   $\chi^2/\text{NDF}$ : 902.0/17

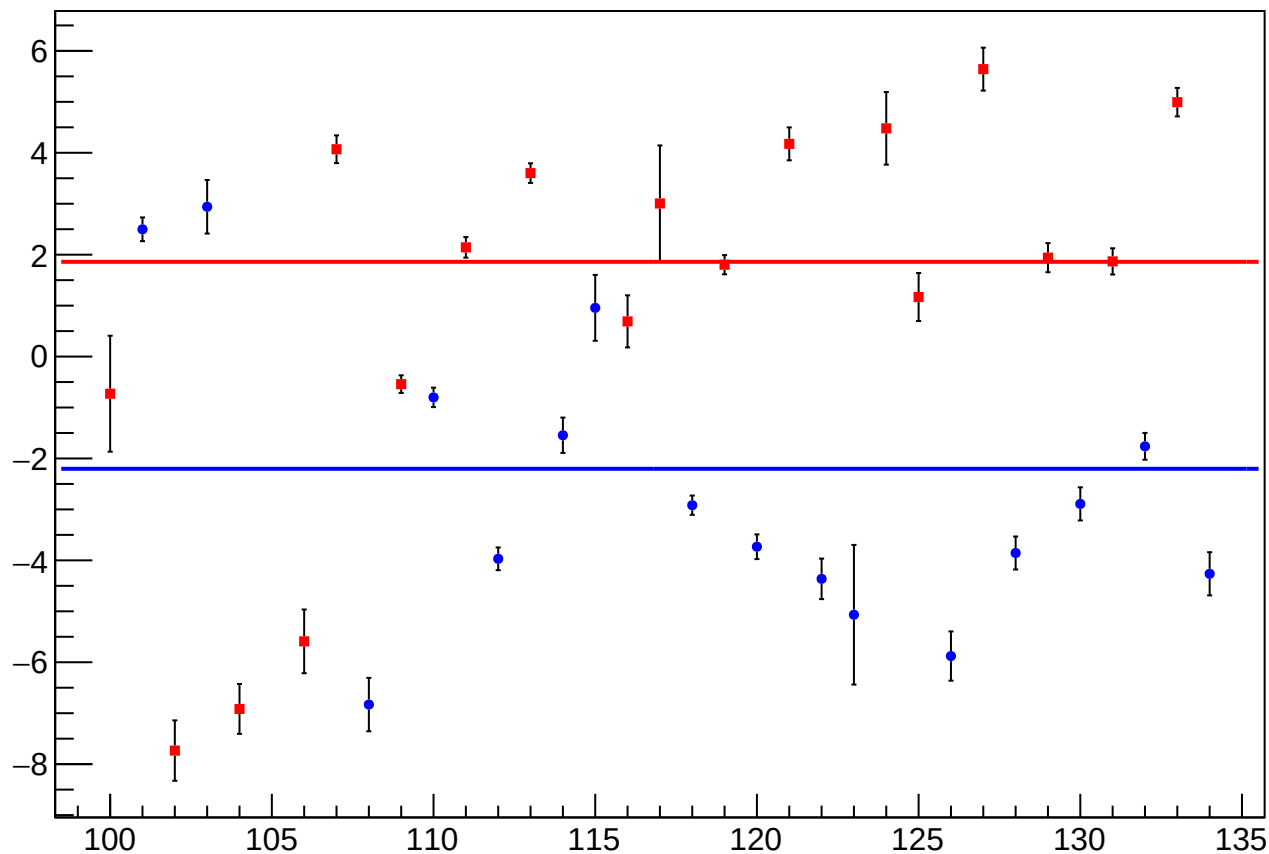
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-1.841 \pm 0.118$   $\chi^2/\text{NDF}$ : 446.8/15

$0.490 \pm 0.078$   $\chi^2/\text{NDF}$ : 2045.9/33

$2.318 \pm 0.104$   $\chi^2/\text{NDF}$ : 902.0/17

reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.203+/-0.075  $\chi^2$ /NDF: 926.5/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.860+/-0.070  $\chi^2$ /NDF: 1352.1/17

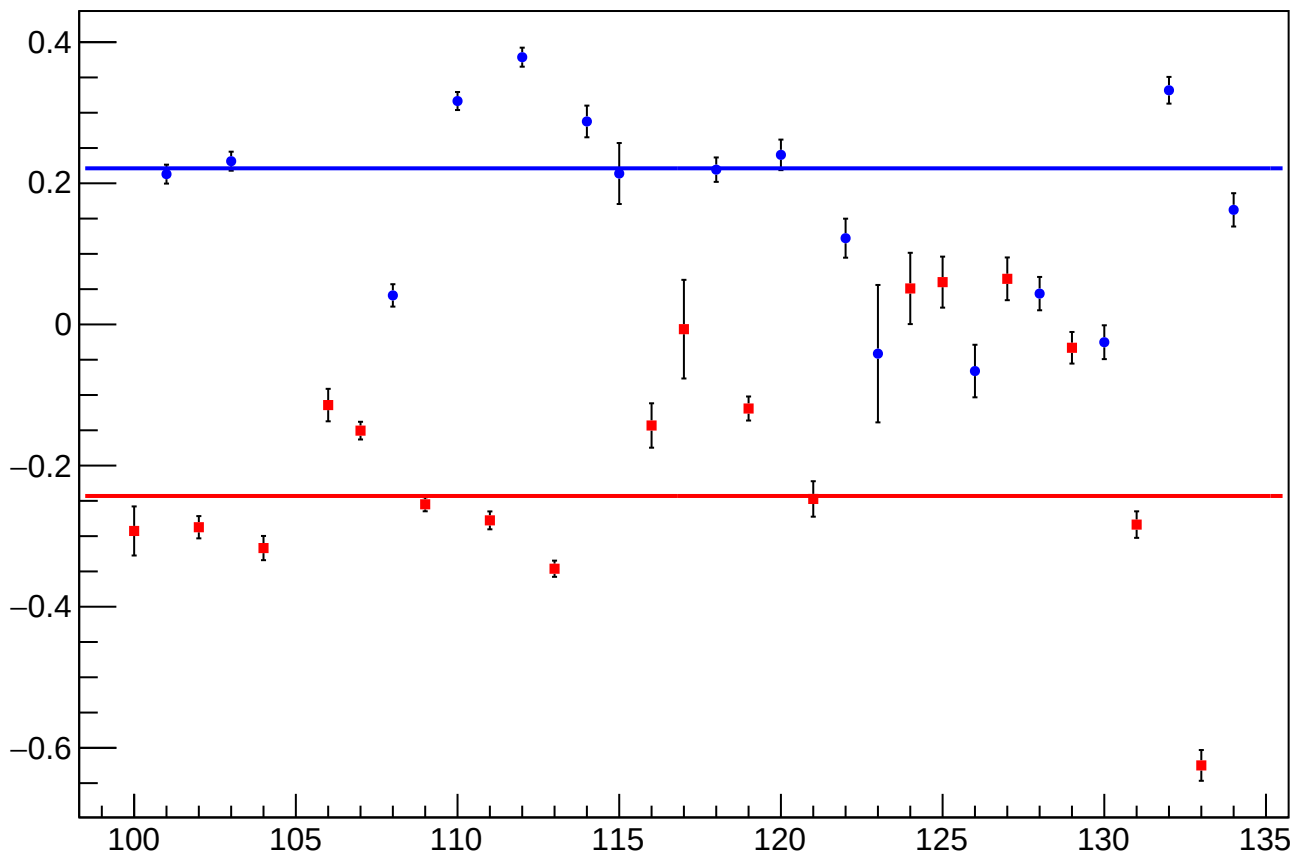
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.203+/-0.075  $\chi^2$ /NDF: 926.5/15

-0.041+/-0.051  $\chi^2$ /NDF: 3850.7/33

1.860+/-0.070  $\chi^2$ /NDF: 1352.1/17

reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.221+/-0.005  $\chi^2/\text{NDF}$ : 613.6/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.243+/-0.004  $\chi^2/\text{NDF}$ : 884.8/17

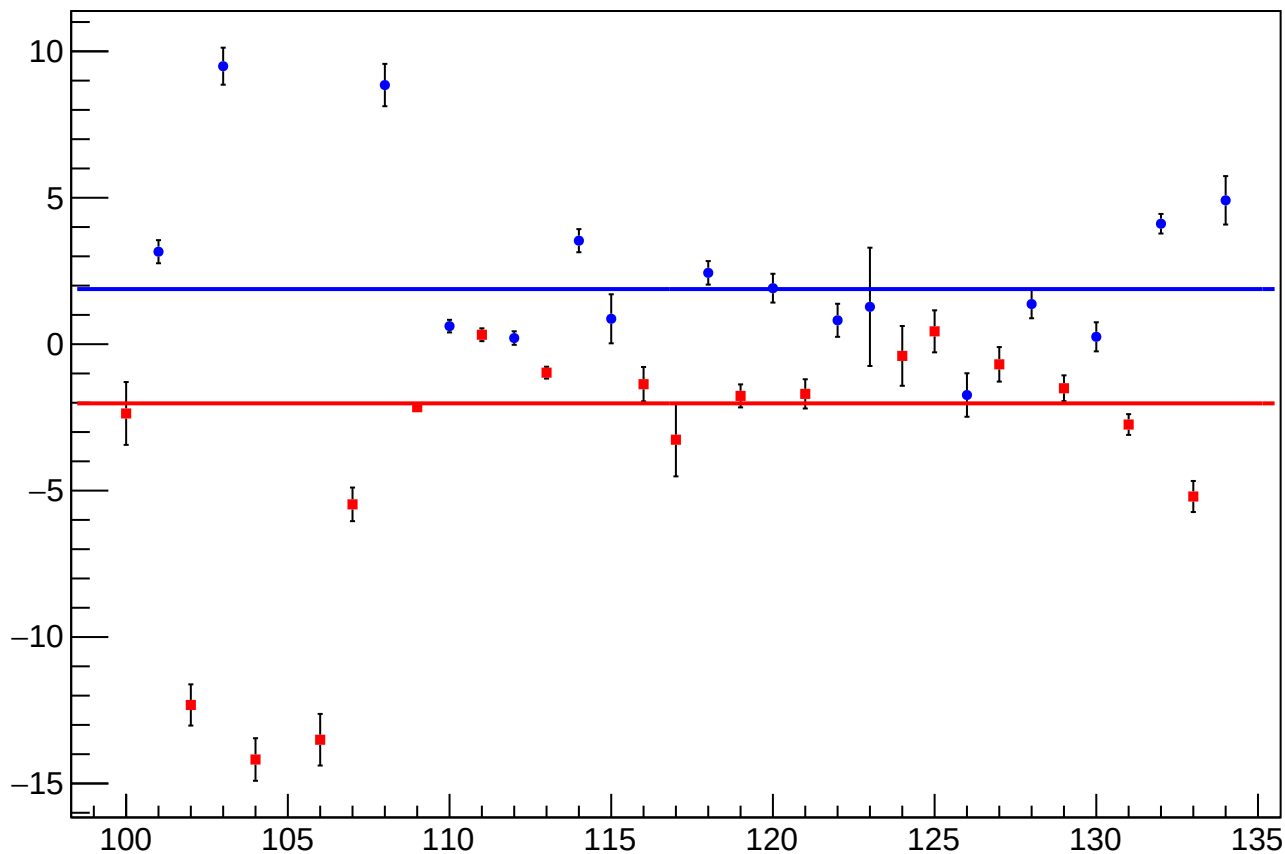
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.221+/-0.005  $\chi^2/\text{NDF}$ : 613.6/15

-0.036+/-0.003  $\chi^2/\text{NDF}$ : 6868.0/33

-0.243+/-0.004  $\chi^2/\text{NDF}$ : 884.8/17

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.882 $\pm$ 0.104  $\chi^2$ /NDF: 453.3/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2.021 $\pm$ 0.089  $\chi^2$ /NDF: 905.0/17

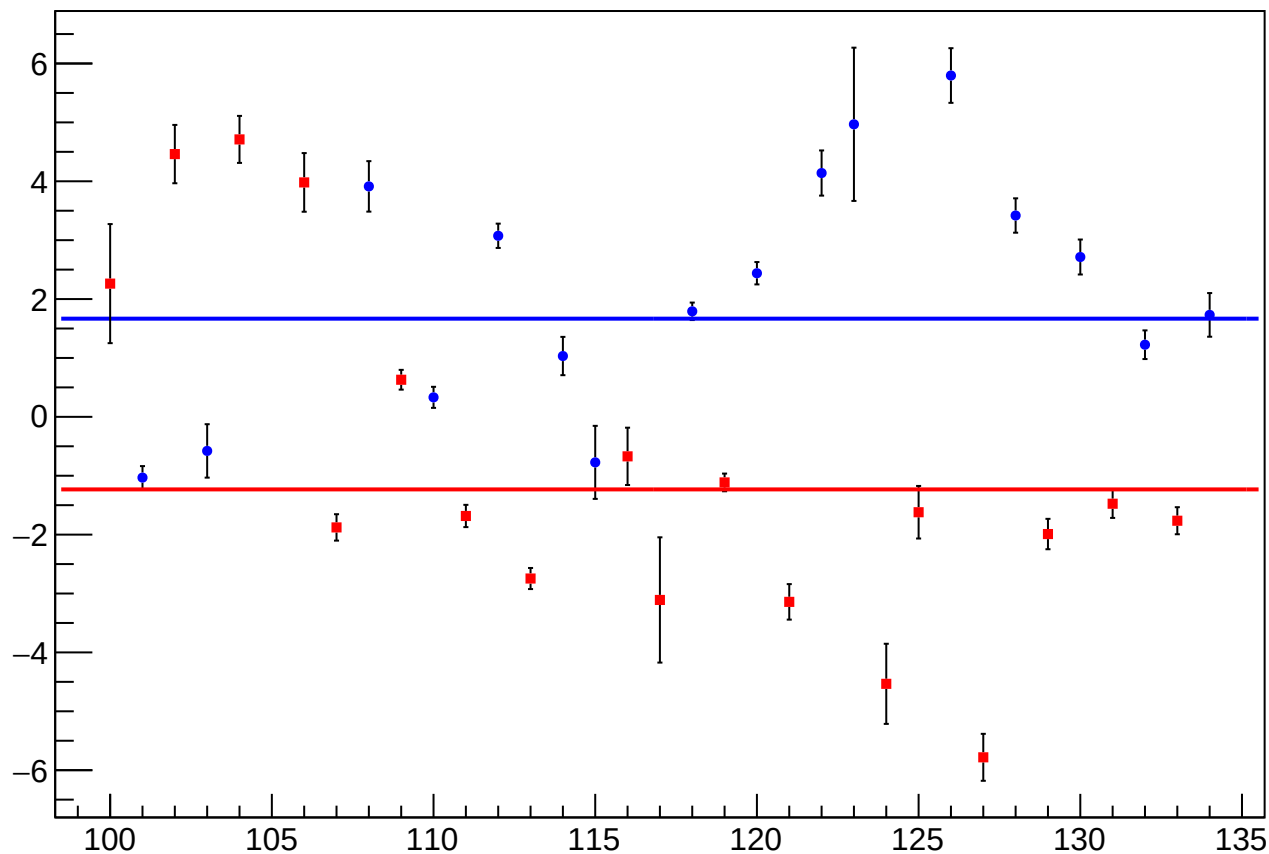
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

1.882 $\pm$ 0.104  $\chi^2$ /NDF: 453.3/15

-0.366 $\pm$ 0.067  $\chi^2$ /NDF: 2176.2/33

-2.021 $\pm$ 0.089  $\chi^2$ /NDF: 905.0/17

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.667 $\pm$ 0.065  $\chi^2$ /NDF: 560.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.232 $\pm$ 0.063  $\chi^2$ /NDF: 898.5/17

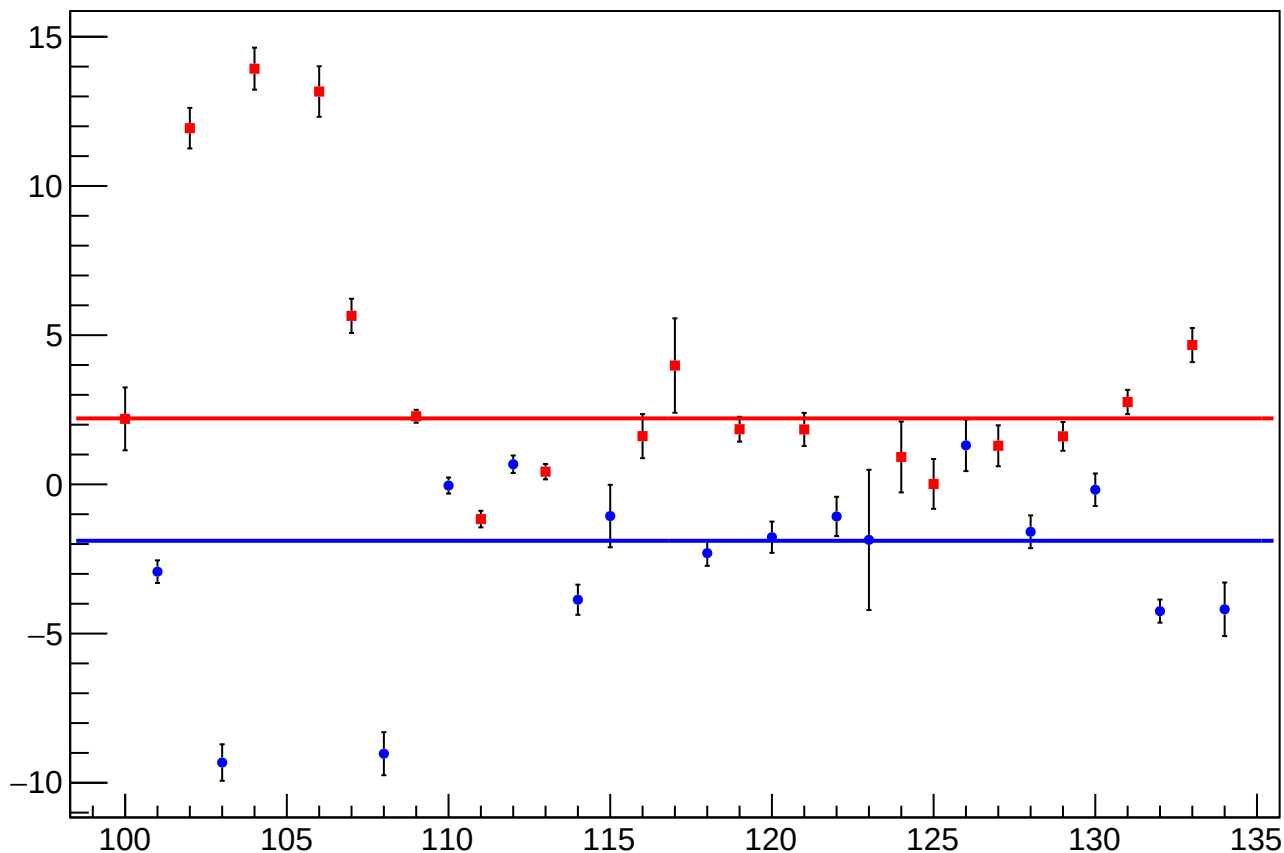
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

1.667 $\pm$ 0.065  $\chi^2$ /NDF: 560.6/15

0.161 $\pm$ 0.045  $\chi^2$ /NDF: 2489.0/33

-1.232 $\pm$ 0.063  $\chi^2$ /NDF: 898.5/17

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.890 \pm 0.120$   $\chi^2/\text{NDF}$ : 462.7/15

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $2.211 \pm 0.107$   $\chi^2/\text{NDF}$ : 915.3/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

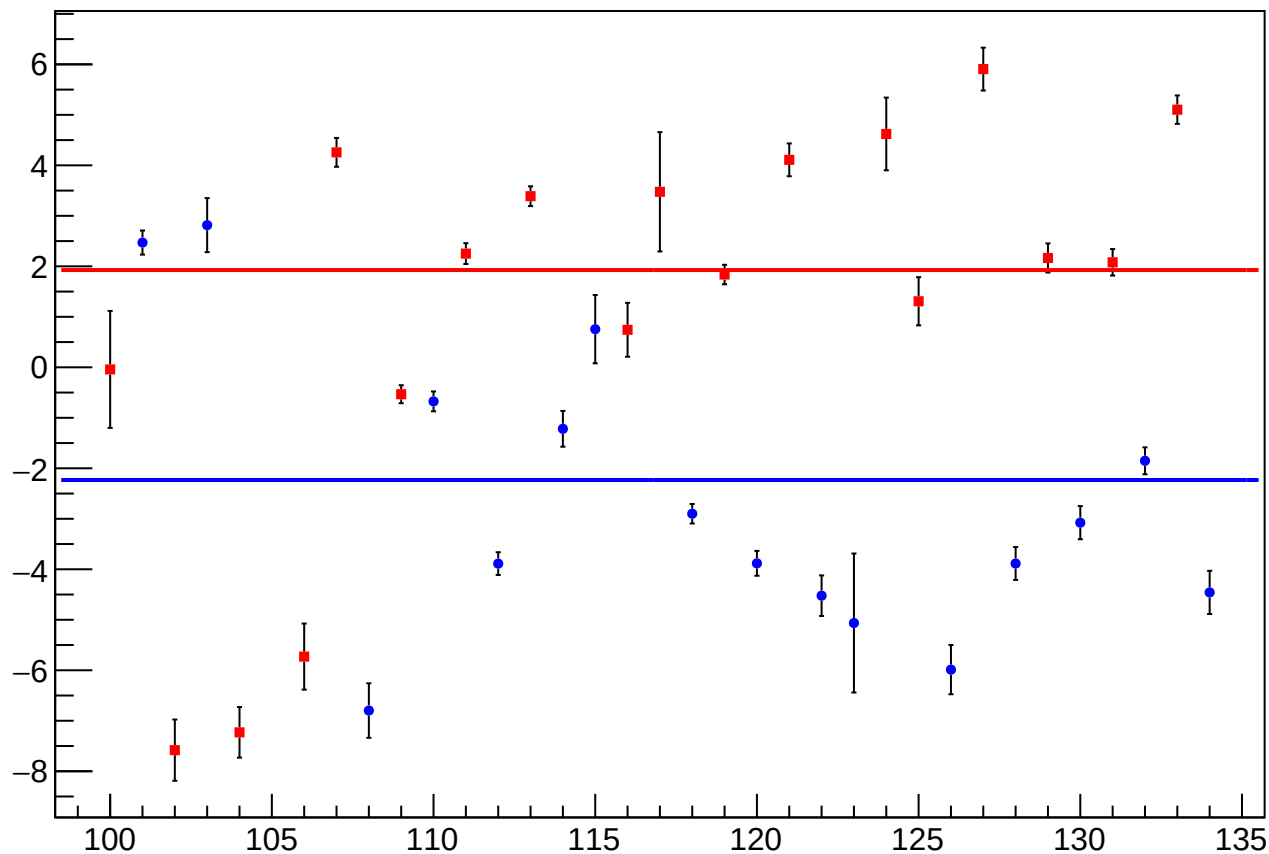
$-1.890 \pm 0.120$   $\chi^2/\text{NDF}$ : 462.7/15

$0.400 \pm 0.080$   $\chi^2/\text{NDF}$ : 2029.2/33

$2.211 \pm 0.107$   $\chi^2/\text{NDF}$ : 915.3/17



reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.232+/-0.076  $\chi^2$ /NDF: 907.5/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.927+/-0.072  $\chi^2$ /NDF: 1319.5/17

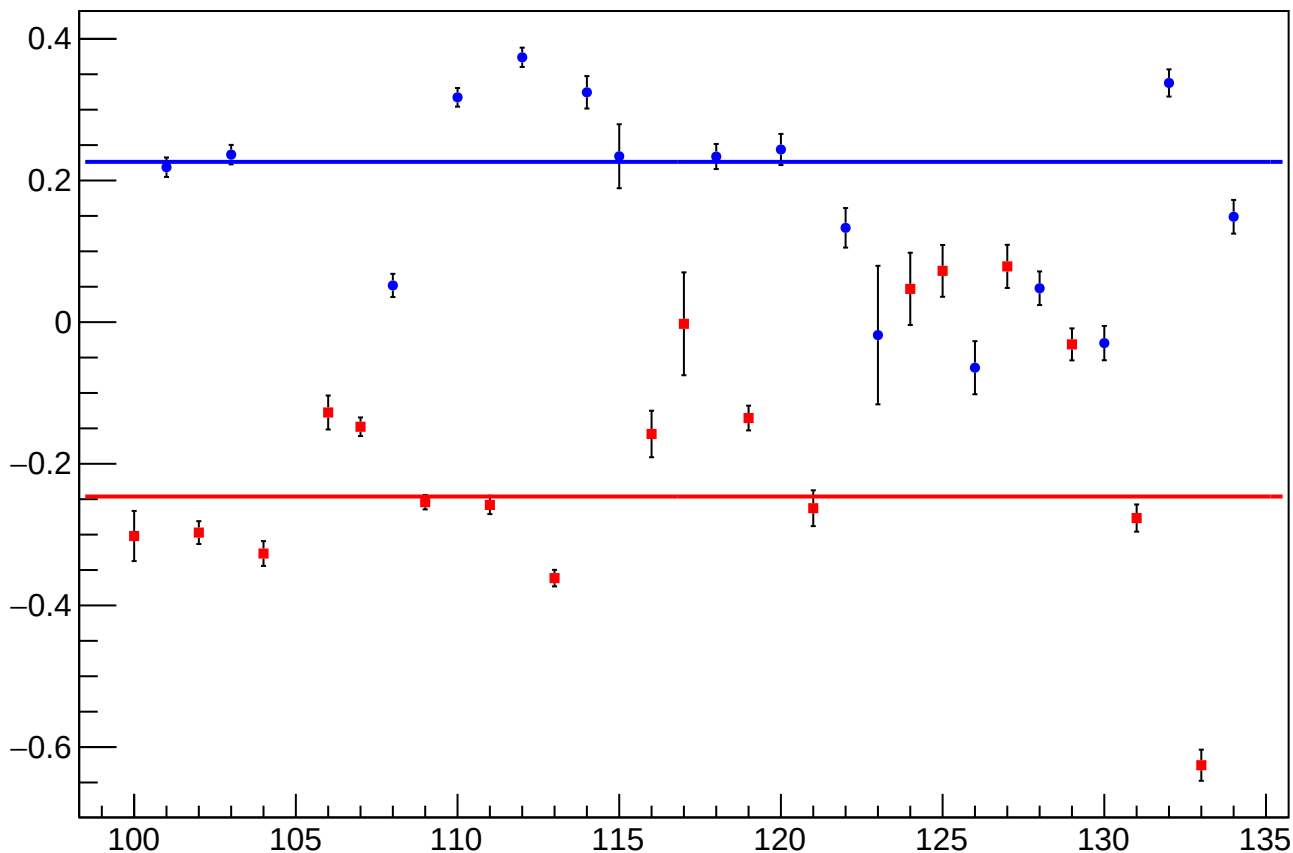
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.232+/-0.076  $\chi^2$ /NDF: 907.5/15

-0.027+/-0.052  $\chi^2$ /NDF: 3810.0/33

1.927+/-0.072  $\chi^2$ /NDF: 1319.5/17

reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.226 $\pm$ 0.005  $\chi^2$ /NDF: 589.2/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.246 $\pm$ 0.004  $\chi^2$ /NDF: 885.3/17

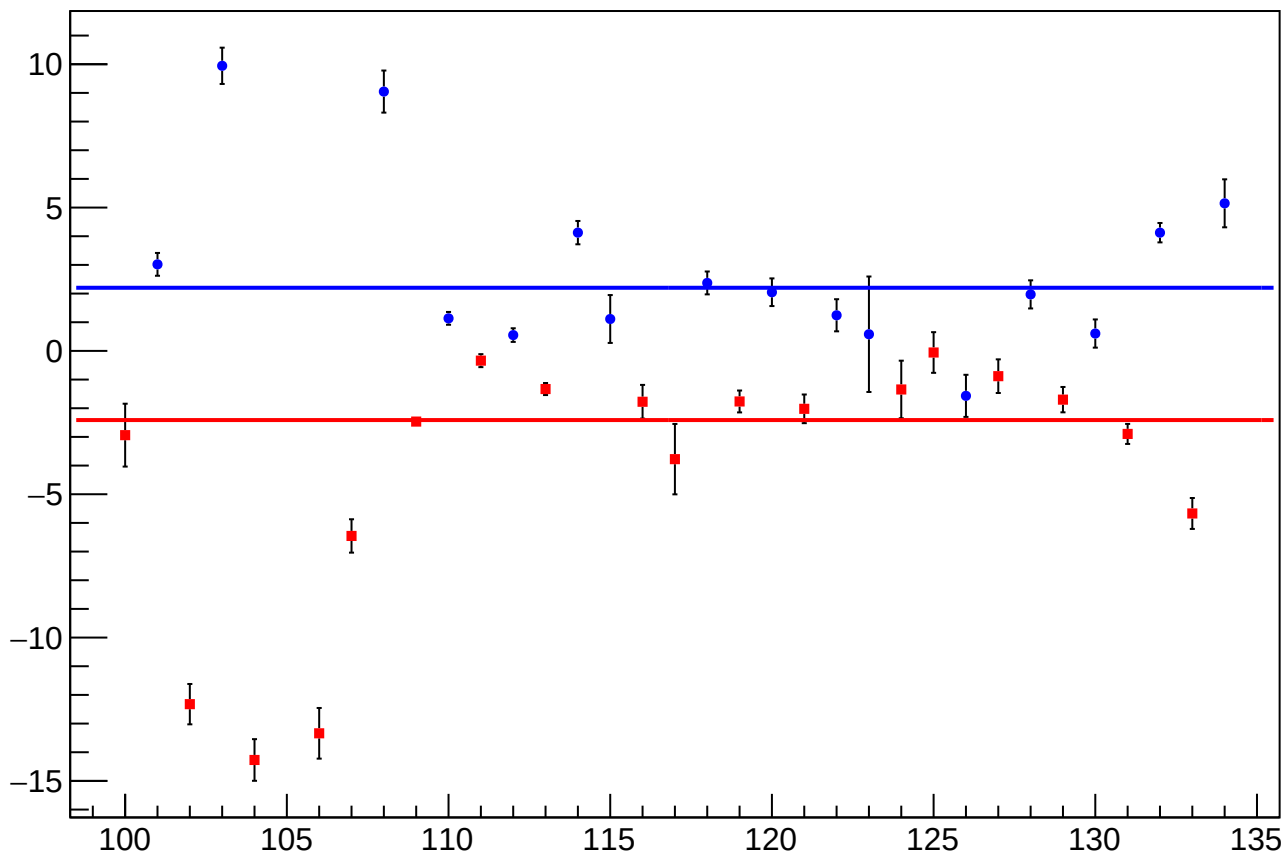
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.226 $\pm$ 0.005  $\chi^2$ /NDF: 589.2/15

-0.034 $\pm$ 0.003  $\chi^2$ /NDF: 6804.1/33

-0.246 $\pm$ 0.004  $\chi^2$ /NDF: 885.3/17

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.203+/-0.105  $\chi^2/\text{NDF}$ : 421.4/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.413+/-0.091  $\chi^2/\text{NDF}$ : 842.3/17

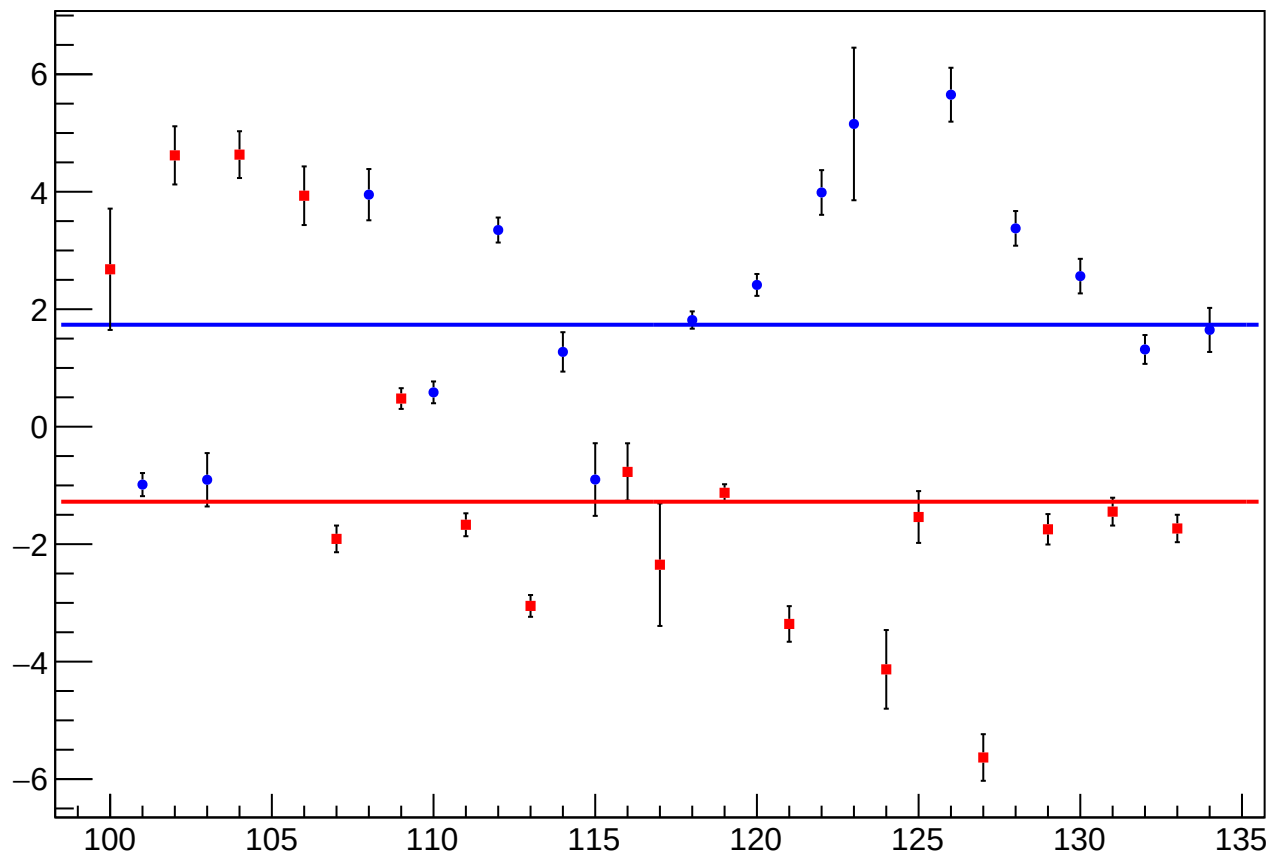
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.203+/-0.105  $\chi^2/\text{NDF}$ : 421.4/15

-0.440+/-0.069  $\chi^2/\text{NDF}$ : 2363.3/33

-2.413+/-0.091  $\chi^2/\text{NDF}$ : 842.3/17

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.736+/-0.066  $\chi^2/\text{NDF}$ : 536.6/15

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.277+/-0.063  $\chi^2/\text{NDF}$ : 884.5/17

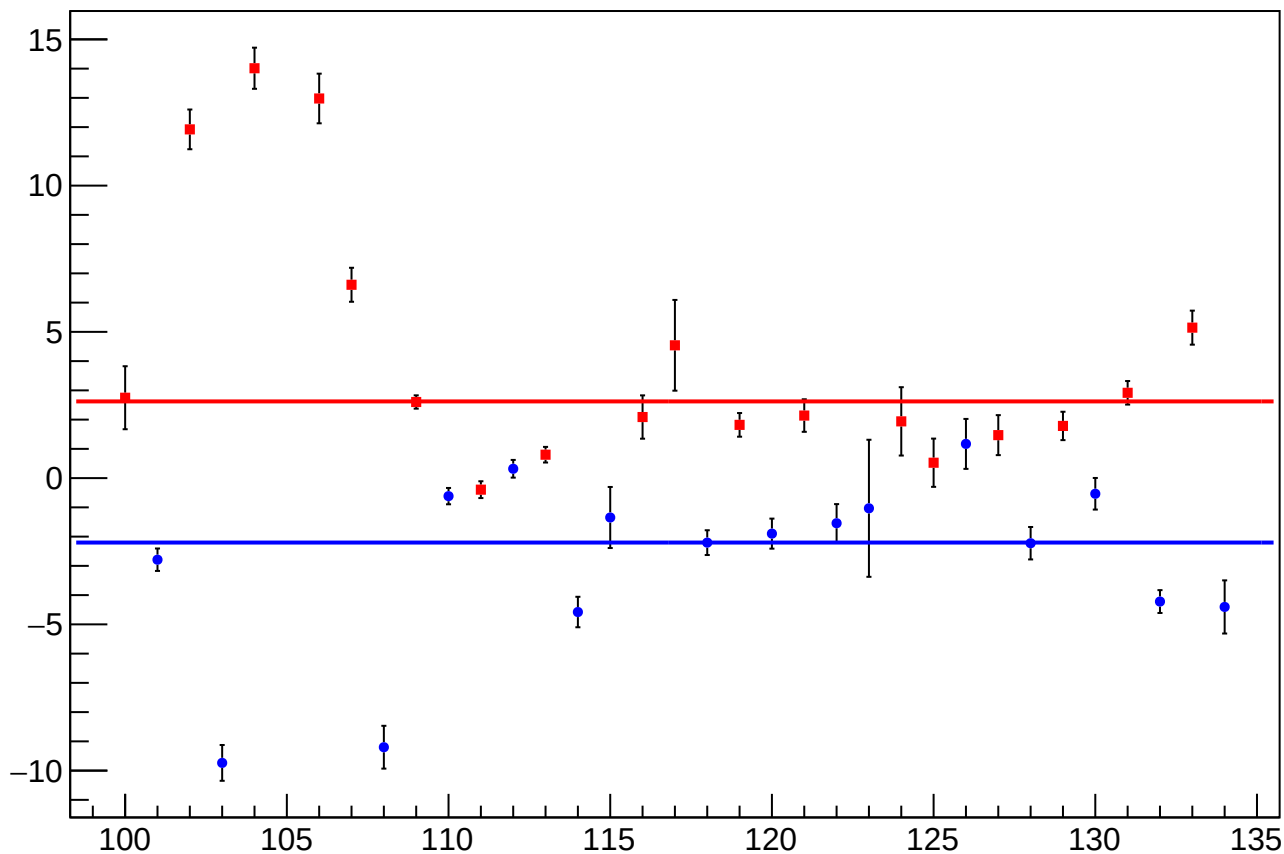
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.736+/-0.066  $\chi^2/\text{NDF}$ : 536.6/15

0.175+/-0.046  $\chi^2/\text{NDF}$ : 2514.0/33

-1.277+/-0.063  $\chi^2/\text{NDF}$ : 884.5/17

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.203+/-0.122  $\chi^2$ /NDF: 427.6/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.622+/-0.109  $\chi^2$ /NDF: 841.4/17

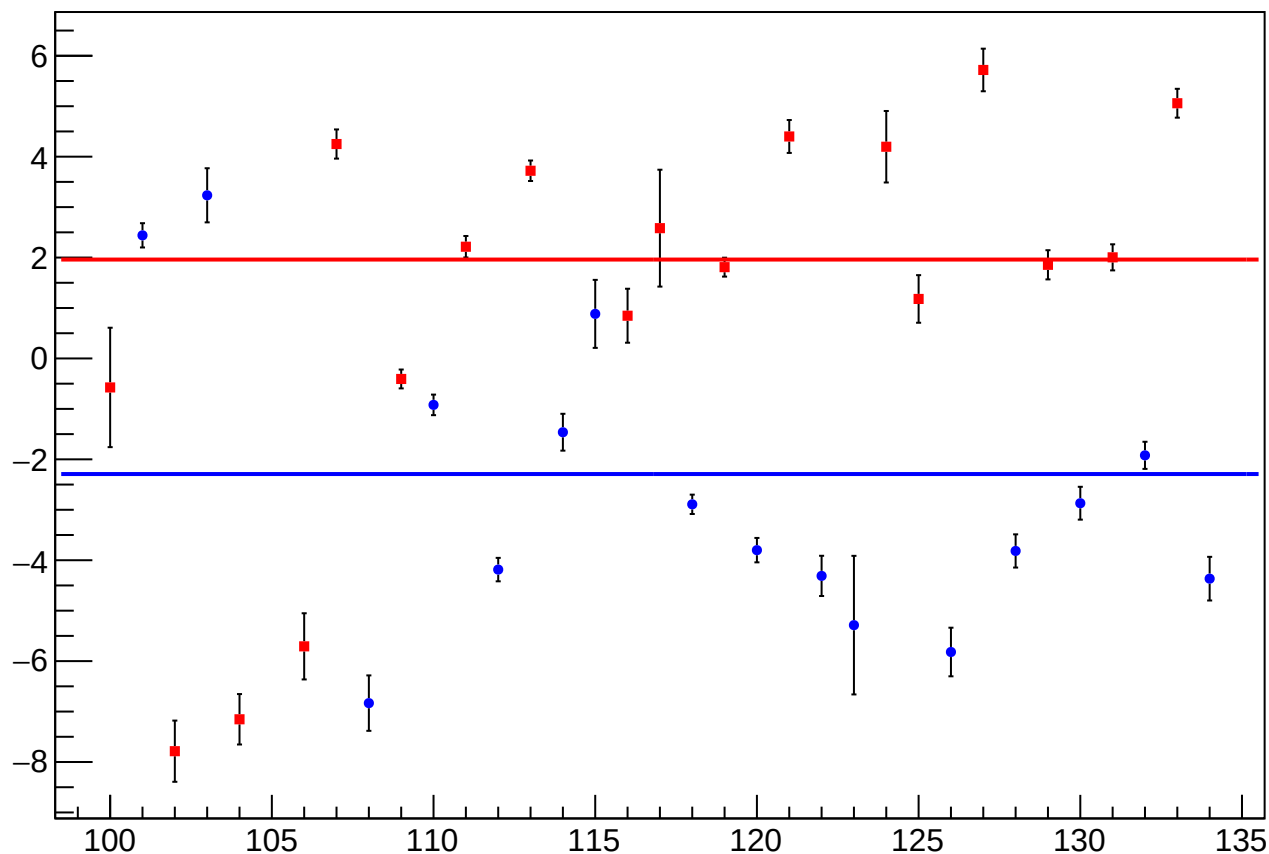
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-2.203+/-0.122  $\chi^2$ /NDF: 427.6/15

0.477+/-0.081  $\chi^2$ /NDF: 2140.3/33

2.622+/-0.109  $\chi^2$ /NDF: 841.4/17

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.291+/-0.077  $\chi^2$ /NDF: 882.5/15

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.960+/-0.073  $\chi^2$ /NDF: 1301.6/17

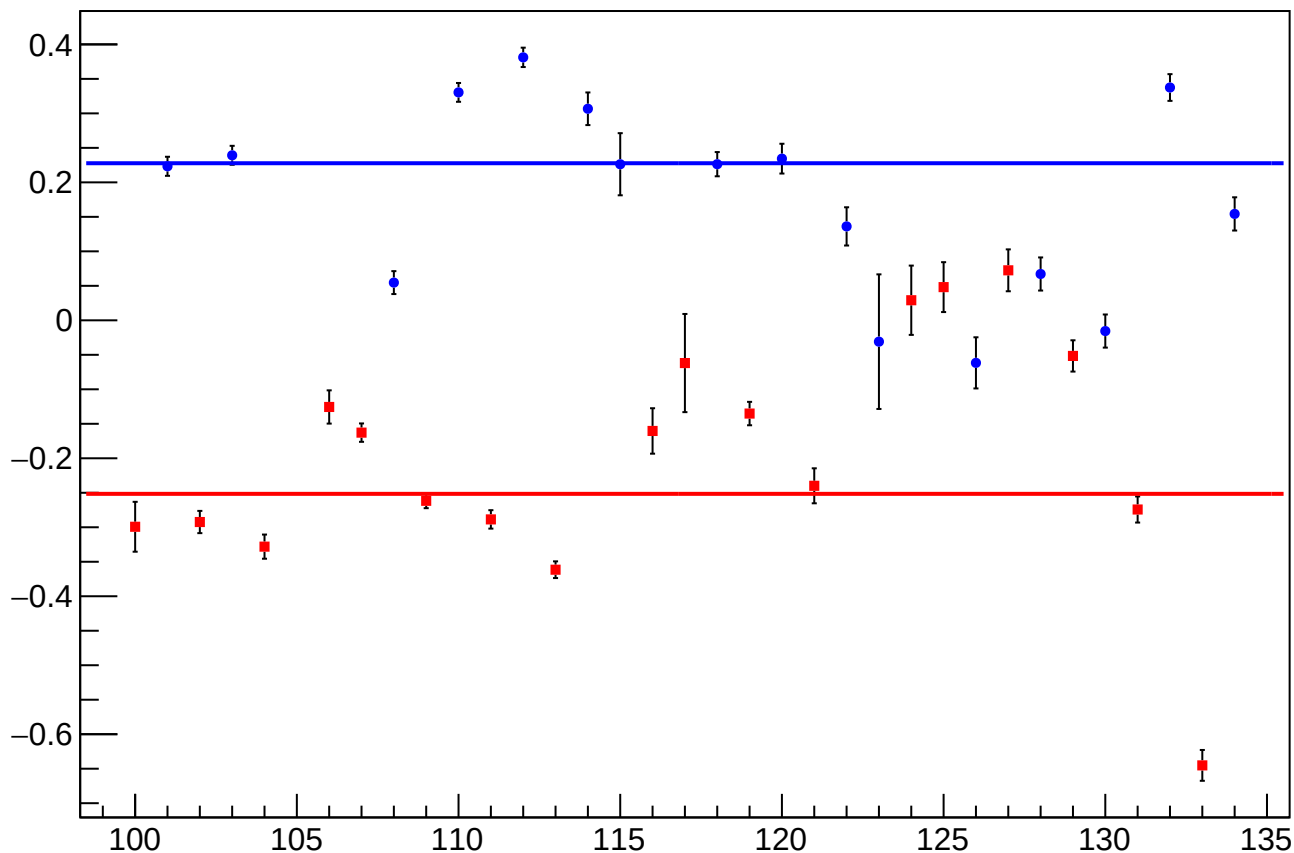
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

-2.291+/-0.077  $\chi^2$ /NDF: 882.5/15

-0.045+/-0.053  $\chi^2$ /NDF: 3803.5/33

1.960+/-0.073  $\chi^2$ /NDF: 1301.6/17

reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.228 $\pm$ 0.005  $\chi^2$ /NDF: 564.6/15

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.252 $\pm$ 0.004  $\chi^2$ /NDF: 855.3/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

0.228 $\pm$ 0.005  $\chi^2$ /NDF: 564.6/15

-0.036 $\pm$ 0.003  $\chi^2$ /NDF: 6755.5/33

-0.252 $\pm$ 0.004  $\chi^2$ /NDF: 855.3/17