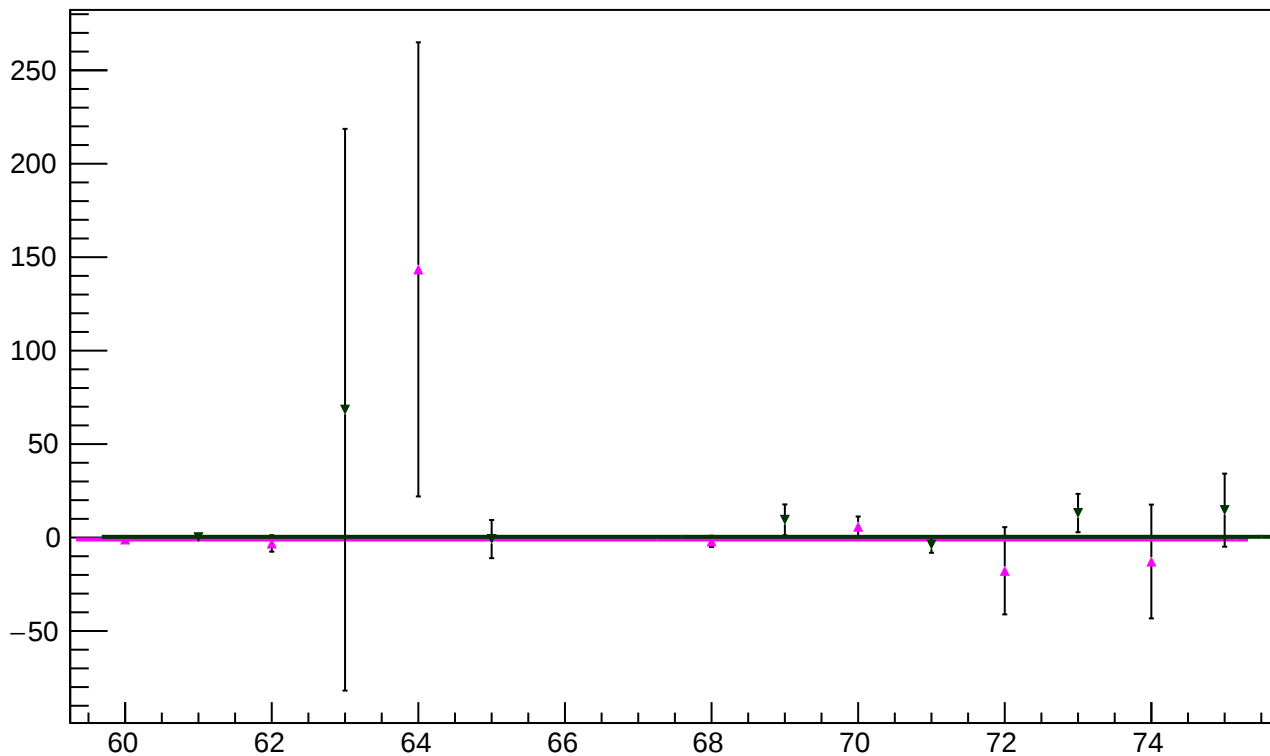


# diff\_cav4bX\_mean vs slug



Right In: 0.000+/-0.000

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

Left Out: 0.395+/-1.791

$\chi^2/\text{NDF}$ : 4.5/6

0.395+/-1.791

$\chi^2/\text{NDF}$ : 4.5/6

Right Out: 0.000+/-0.000

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

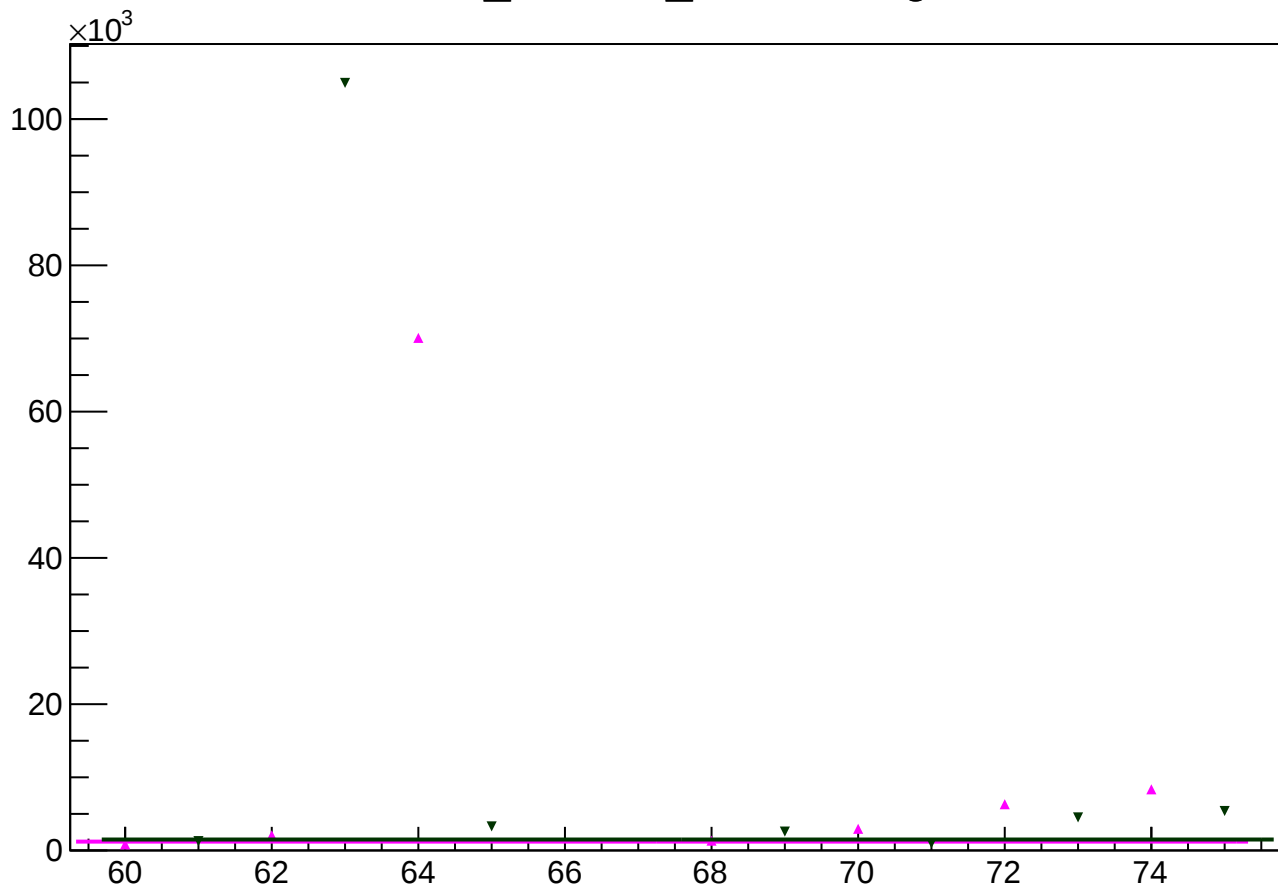
-1.043+/-1.320

$\chi^2/\text{NDF}$ : 4.0/6

Left In: -1.043+/-1.320

$\chi^2/\text{NDF}$ : 4.0/6

# diff\_cav4bX\_rms vs slug



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

Left Out: 1495.427+/-1.267  $\chi^2/\text{NDF}$ :1347101.8/6

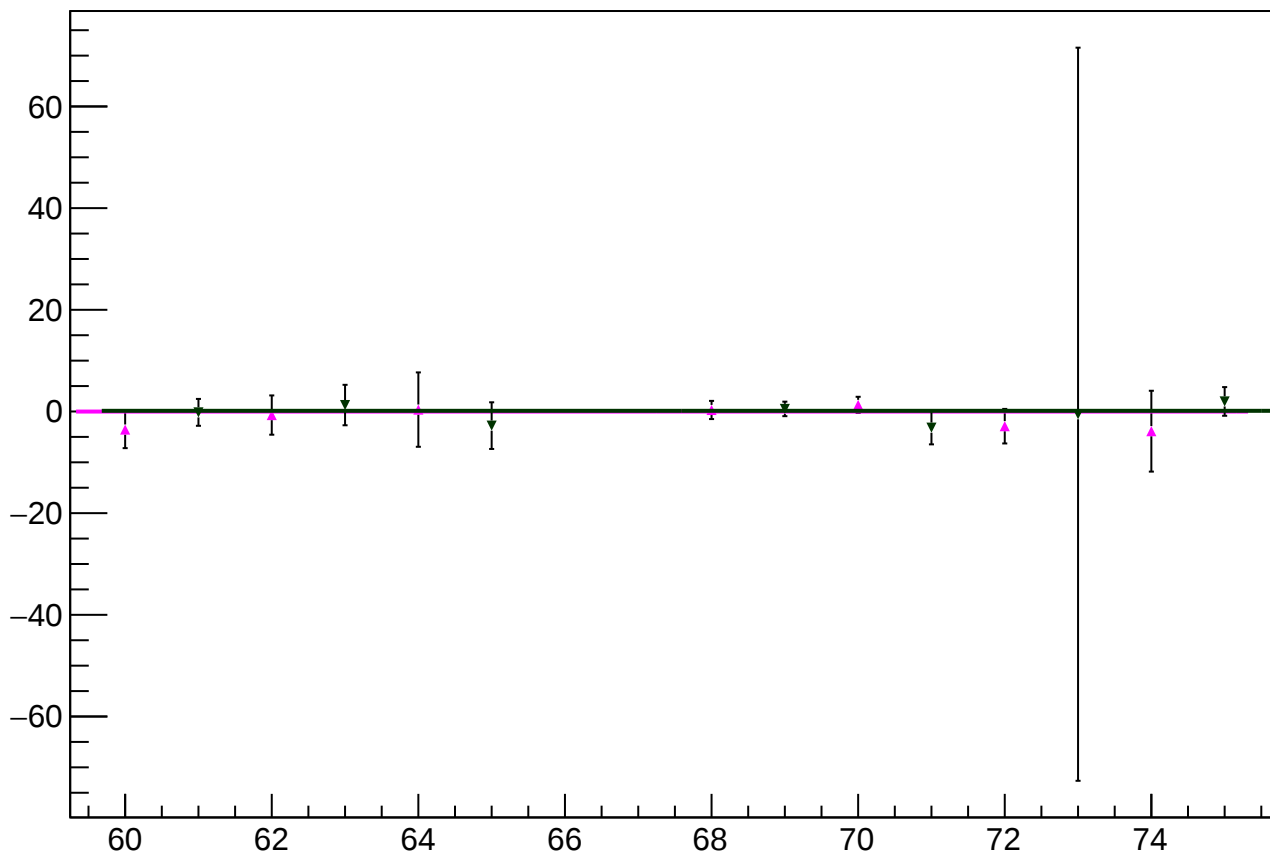
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1209.050+/-0.933  $\chi^2/\text{NDF}$ :1243733.5/6

1495.427+/-1.267  $\chi^2/\text{NDF}$ : 1347101.8/6

1209.050+/-0.933  $\chi^2/\text{NDF}$ : 1243733.5/6

# diff\_cav4bY\_mean vs slug



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

Left Out: 0.130+/-1.019  $\chi^2/\text{NDF}$ : 2.0/6

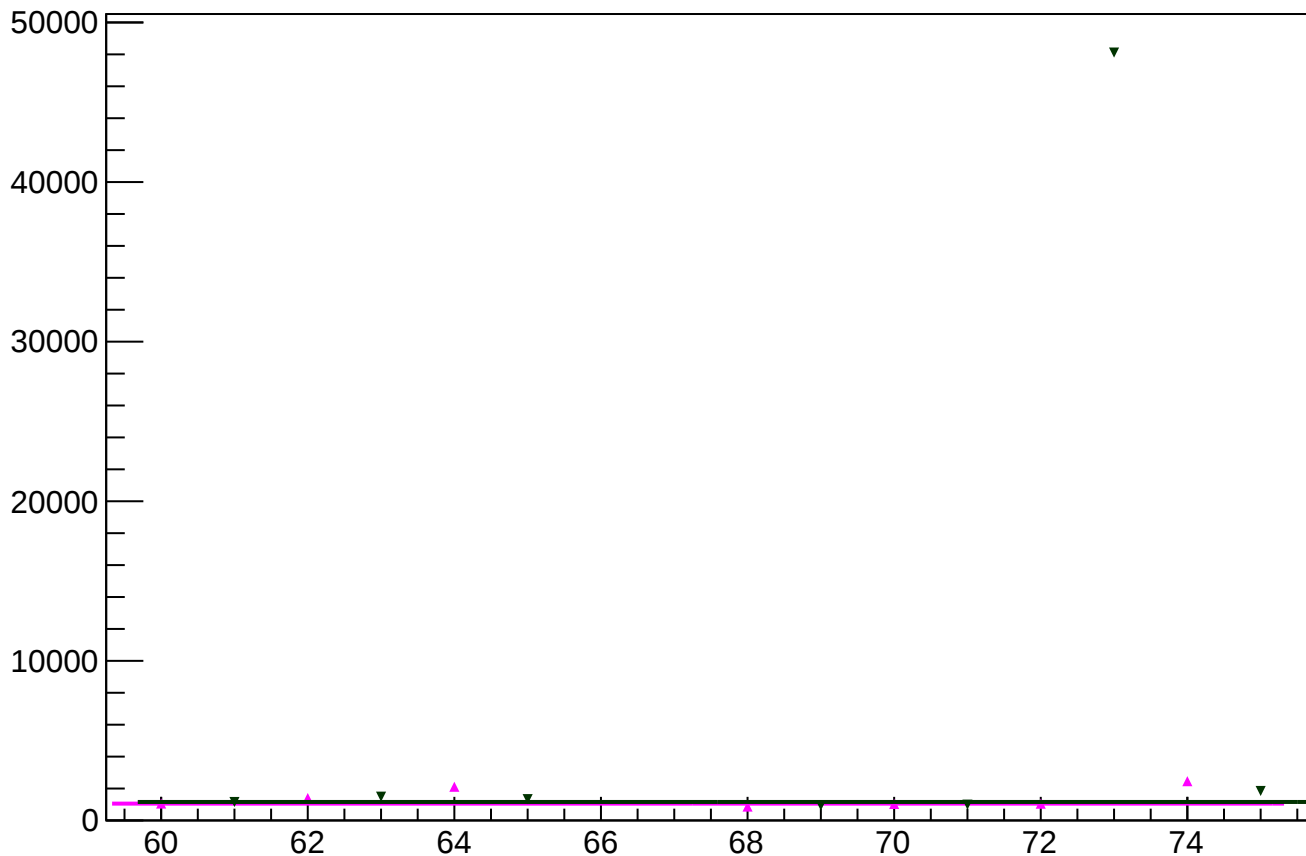
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.014+/-1.015  $\chi^2/\text{NDF}$ : 2.6/6

0.130+/-1.019  $\chi^2/\text{NDF}$ : 2.0/6

-0.014+/-1.015  $\chi^2/\text{NDF}$ : 2.6/6

# diff\_cav4bY\_rms vs slug



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

Left Out: 1158.413+/-0.721  $\chi^2/\text{NDF}$ :1037550.7/6

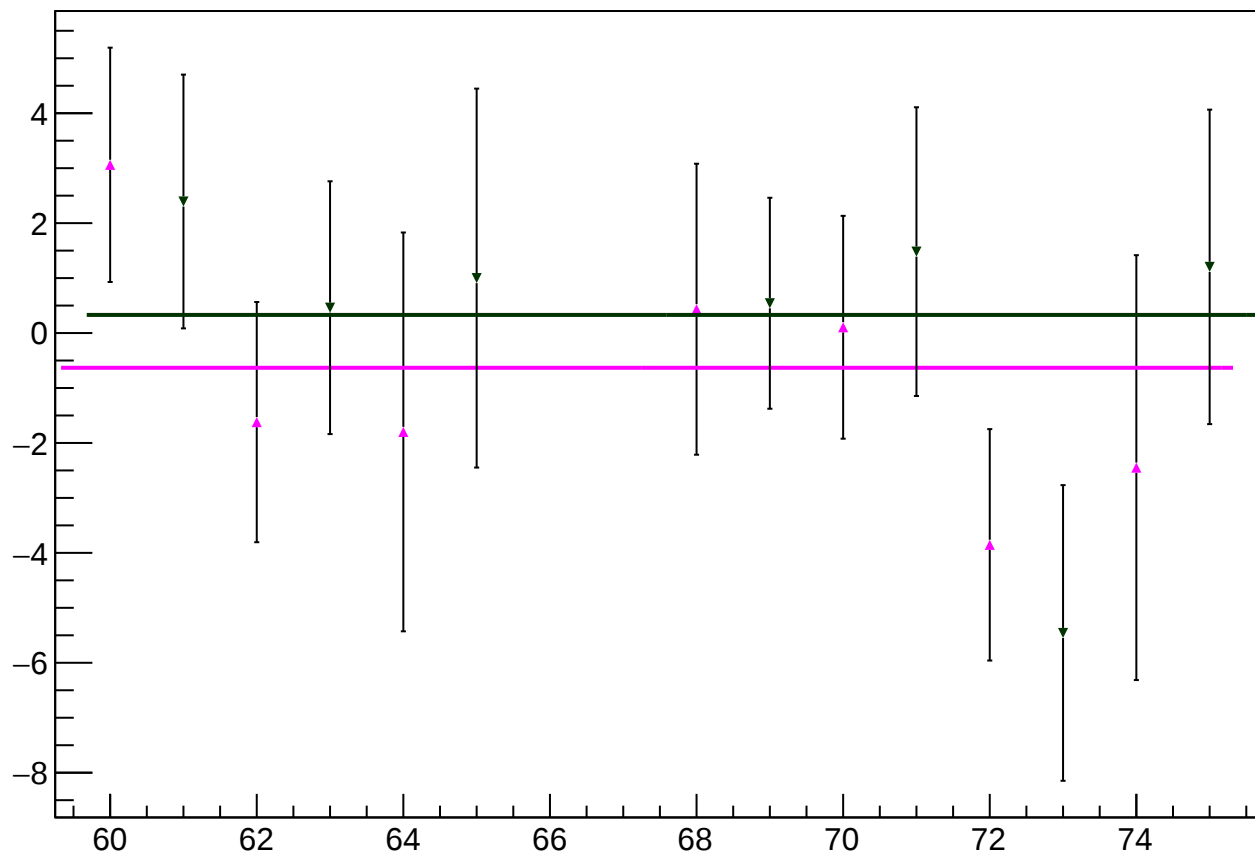
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1054.716+/-0.718  $\chi^2/\text{NDF}$ :142411.4/6

1158.413+/-0.721  $\chi^2/\text{NDF}$ : 1037550.7/6

1054.716+/-0.718  $\chi^2/\text{NDF}$ : 142411.4/6

# diff\_cav4cX\_mean vs slug



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

Left Out: 0.330+/-0.938  $\chi^2/\text{NDF}$ : 5.8/6

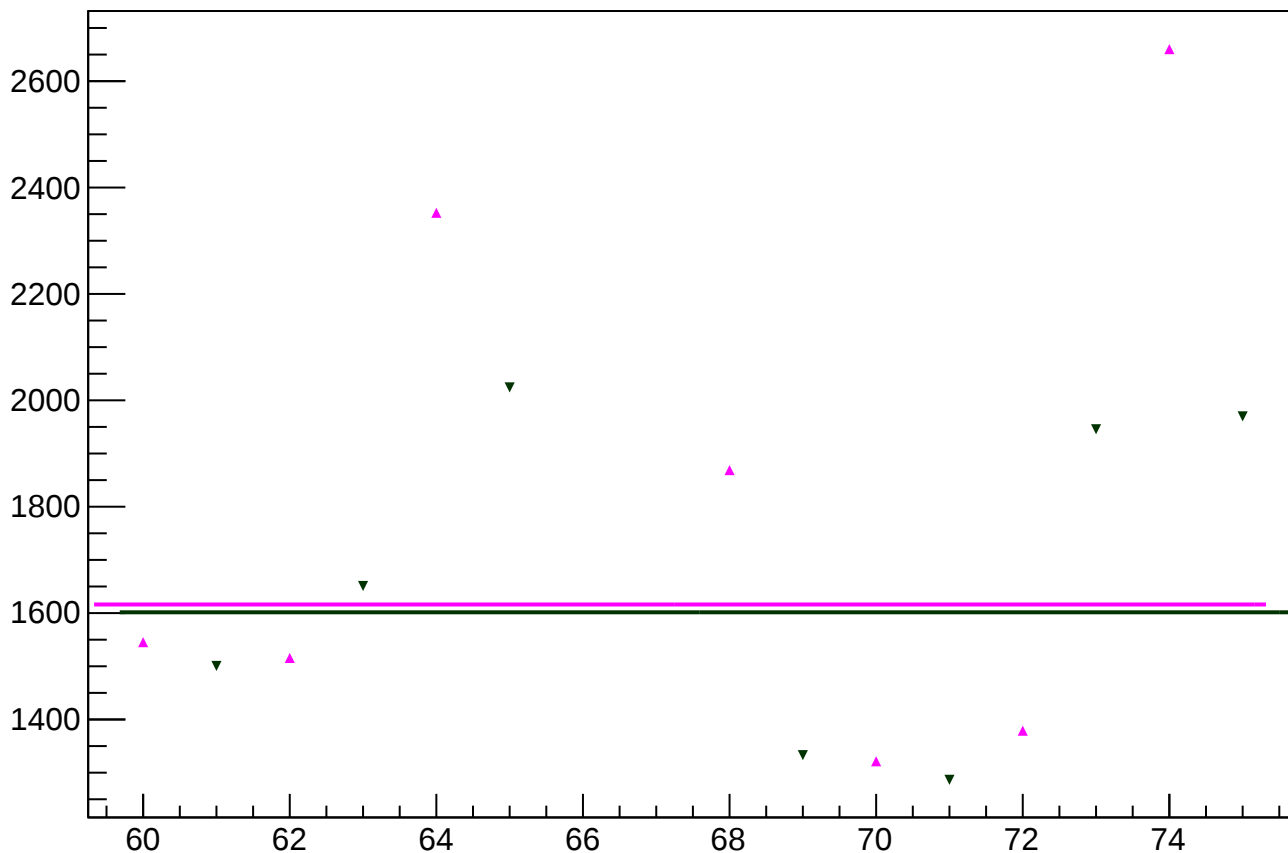
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.632+/-0.919  $\chi^2/\text{NDF}$ : 6.2/6

0.330+/-0.938  $\chi^2/\text{NDF}$ : 5.8/6

-0.632+/-0.919  $\chi^2/\text{NDF}$ : 6.2/6

# diff\_cav4cX\_rms vs slug



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

Left Out: 1601.496+/-0.663  $\chi^2/\text{NDF}$ : 168591.8/6

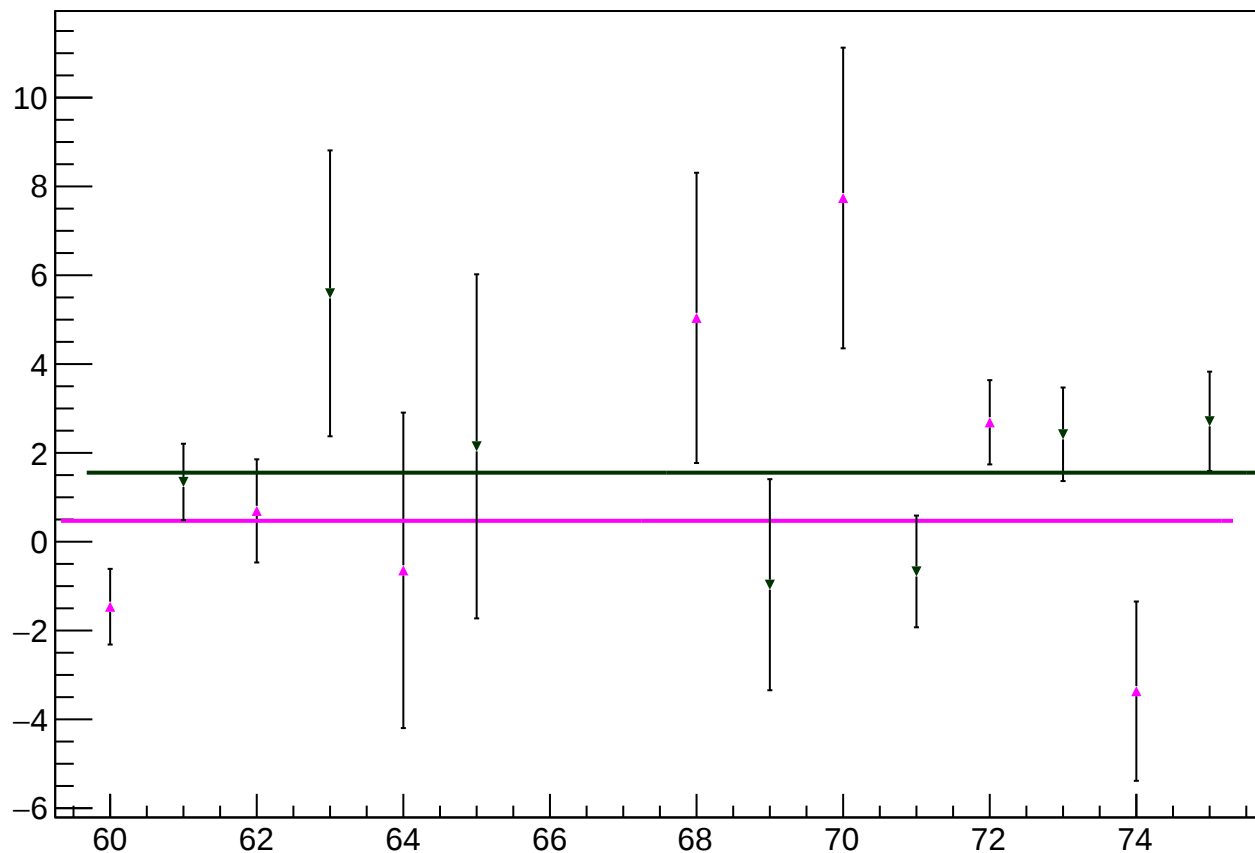
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1616.186+/-0.650  $\chi^2/\text{NDF}$ : 320567.3/6

1601.496+/-0.663  $\chi^2/\text{NDF}$ : 168591.8/6

1616.186+/-0.650  $\chi^2/\text{NDF}$ : 320567.3/6

# diff\_cav4cY\_mean vs slug



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

Left Out: 1.555 $\pm$ 0.498  $\chi^2$ /NDF: 7.7/6

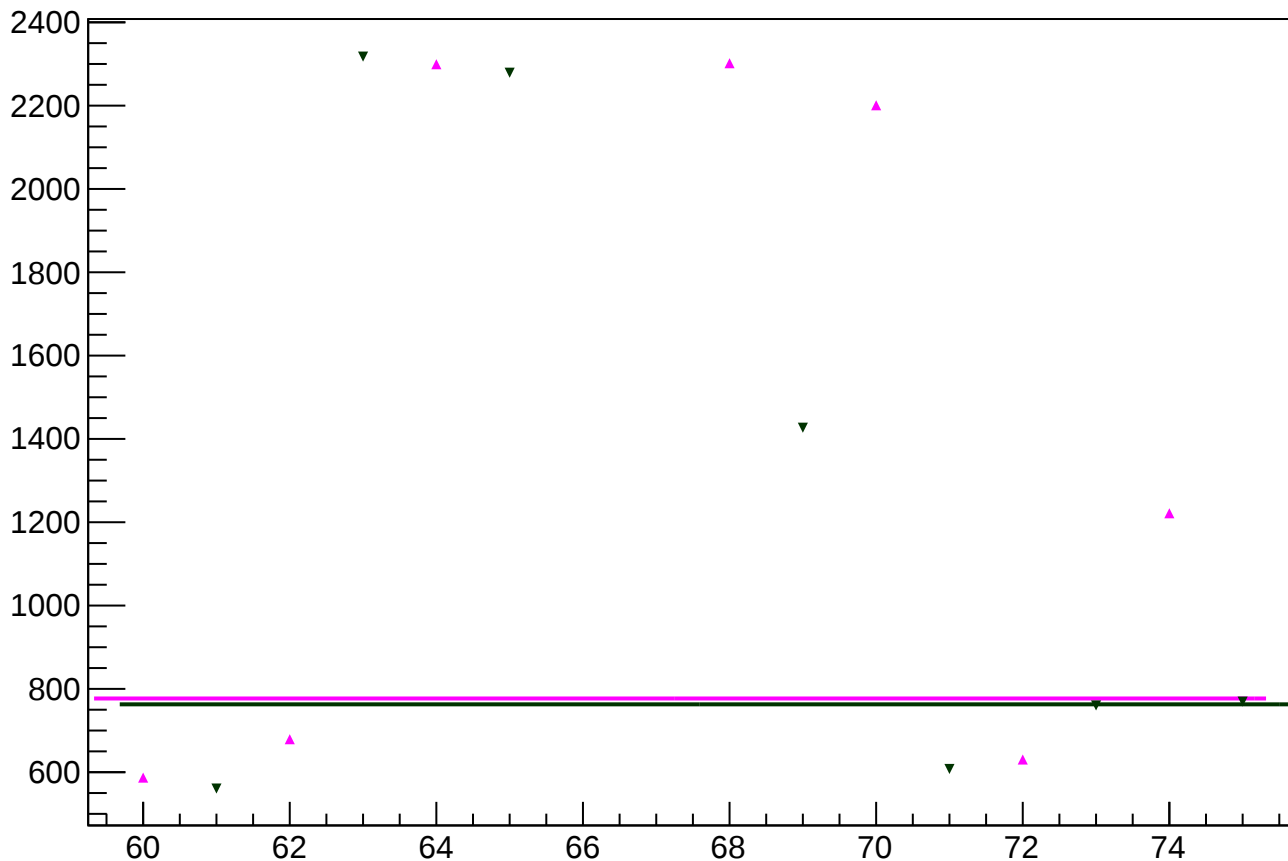
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.470 $\pm$ 0.517  $\chi^2$ /NDF: 20.9/6

1.555 $\pm$ 0.498  $\chi^2$ /NDF: 7.7/6

0.470 $\pm$ 0.517  $\chi^2$ /NDF: 20.9/6

# diff\_cav4cY\_rms vs slug



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

Left Out: 762.887+/-0.352  $\chi^2/\text{NDF}$ :1070114.7/6

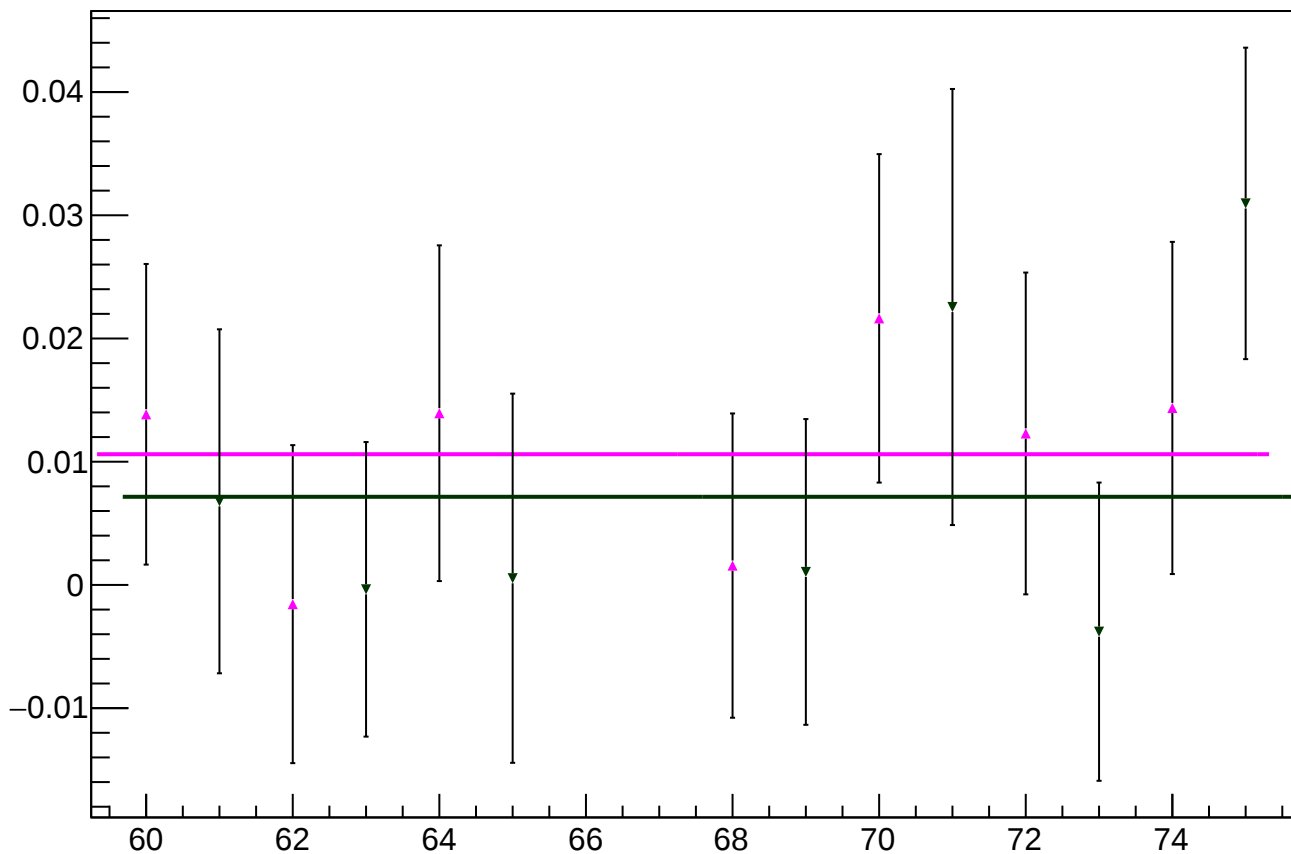
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 776.941+/-0.366  $\chi^2/\text{NDF}$ :1415018.4/6

762.887+/-0.352  $\chi^2/\text{NDF}$ : 1070114.7/6

776.941+/-0.366  $\chi^2/\text{NDF}$ : 1415018.4/6

# diff\_cav4dX\_mean vs slug



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

Left Out: 0.007+/-0.005  $\chi^2/\text{NDF}$ : 6.0/6

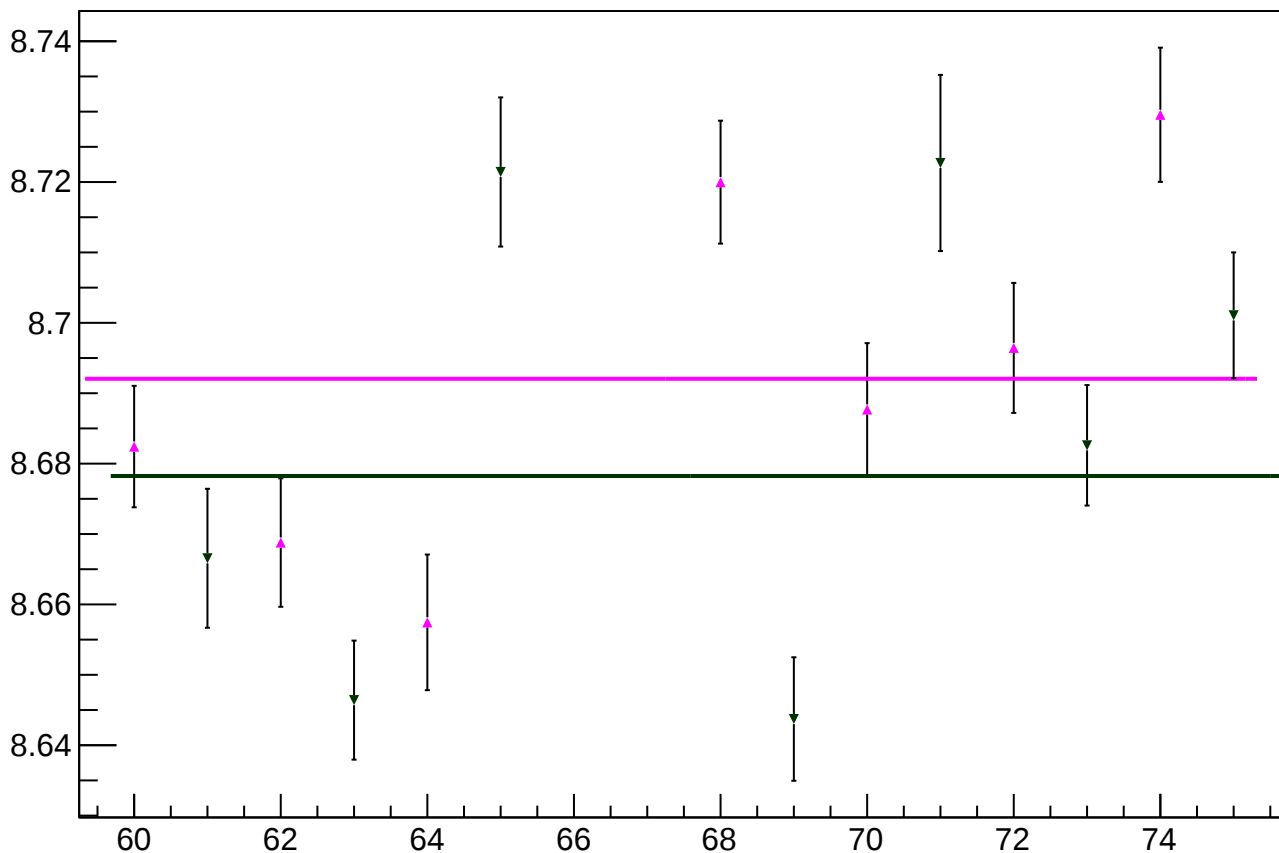
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.011+/-0.005  $\chi^2/\text{NDF}$ : 2.3/6

0.007+/-0.005  $\chi^2/\text{NDF}$ : 6.0/6

0.011+/-0.005  $\chi^2/\text{NDF}$ : 2.3/6

# diff\_cav4dX\_rms vs slug



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

Left Out: 8.678+/-0.004  $\chi^2/\text{NDF}$ : 67.1/6

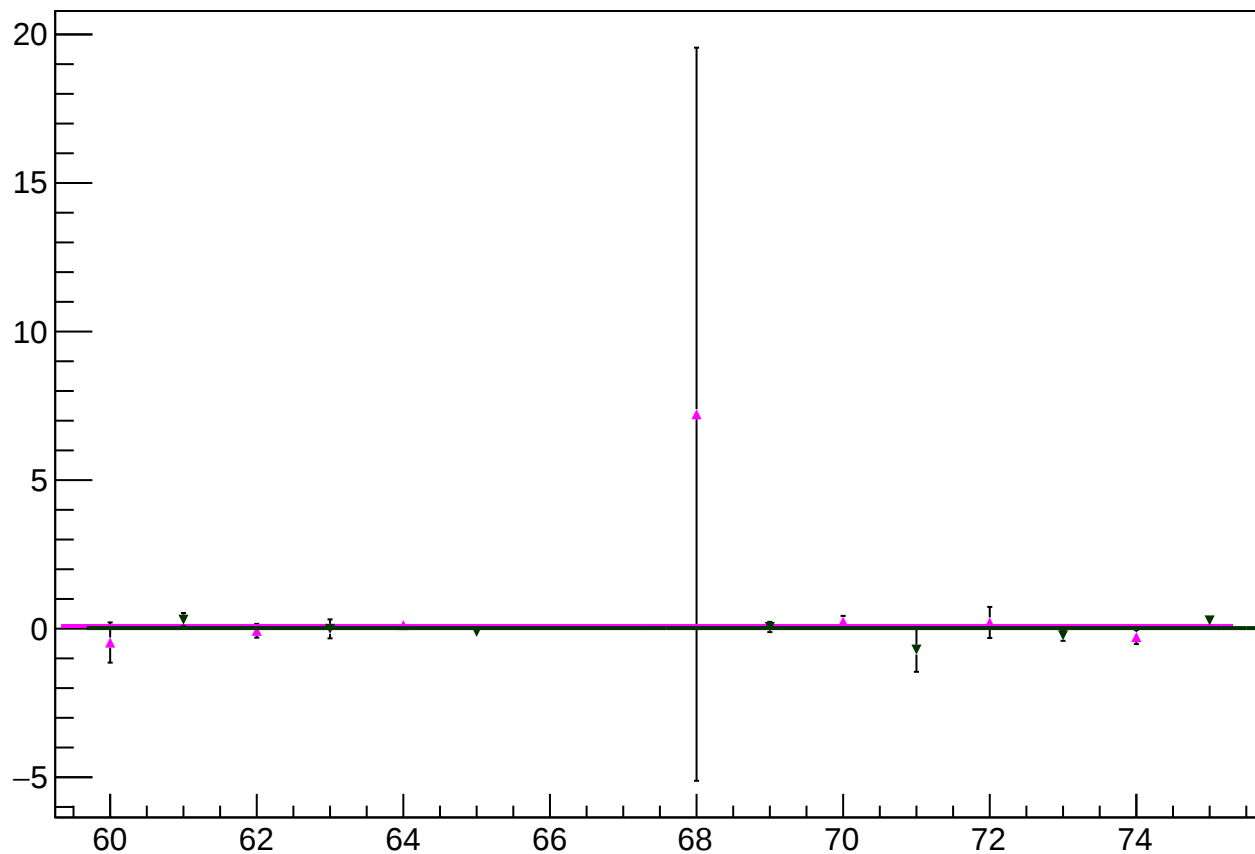
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 8.692+/-0.003  $\chi^2/\text{NDF}$ : 46.8/6

8.678+/-0.004  $\chi^2/\text{NDF}$ : 67.1/6

8.692+/-0.003  $\chi^2/\text{NDF}$ : 46.8/6

# diff\_cav4dY\_mean vs slug



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

Left Out: 0.020+/-0.073  $\chi^2/\text{NDF}$ : 7.5/6

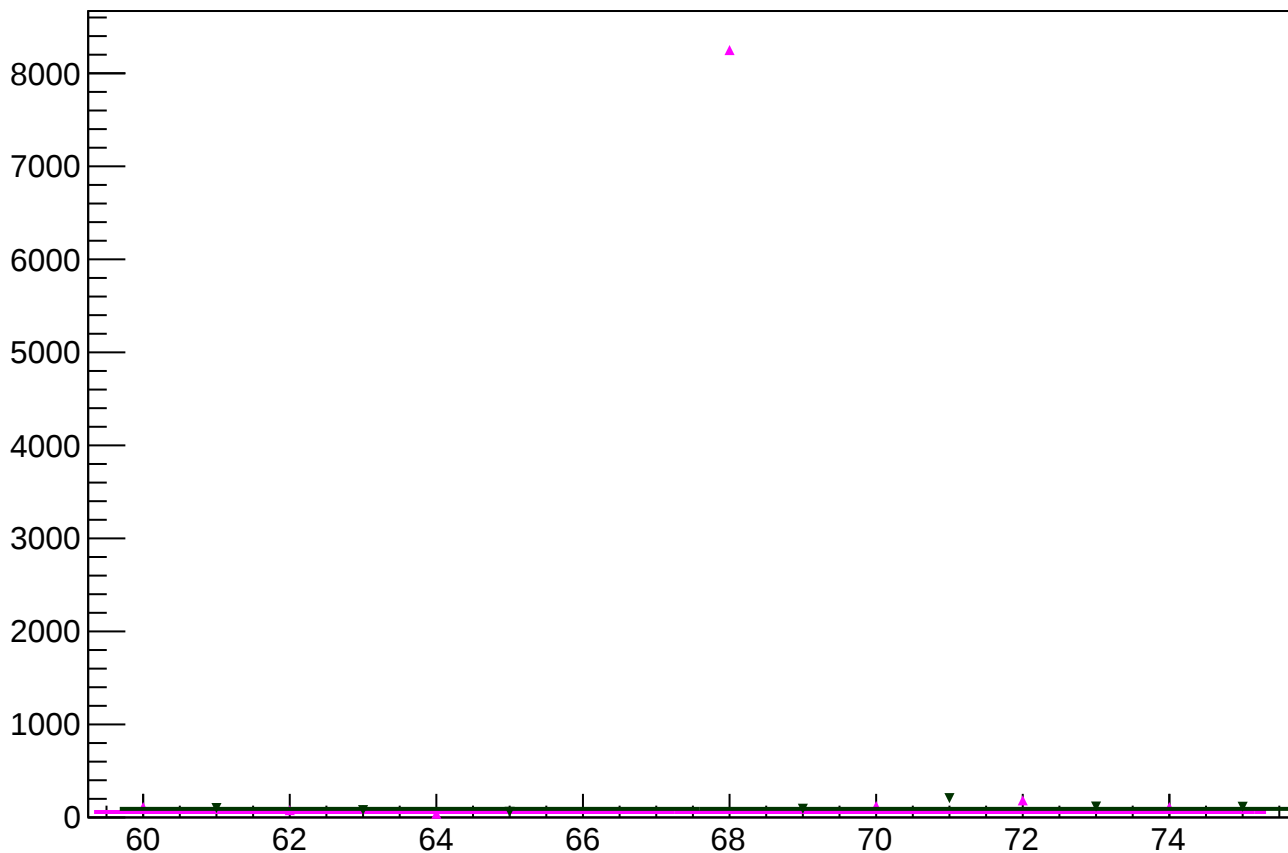
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.090+/-0.061  $\chi^2/\text{NDF}$ : 4.7/6

0.020+/-0.073  $\chi^2/\text{NDF}$ : 7.5/6

0.090+/-0.061  $\chi^2/\text{NDF}$ : 4.7/6

# diff\_cav4dY\_rms vs slug



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

Left Out: 92.256+/-0.052  $\chi^2/\text{NDF}$ : 242109.8/6

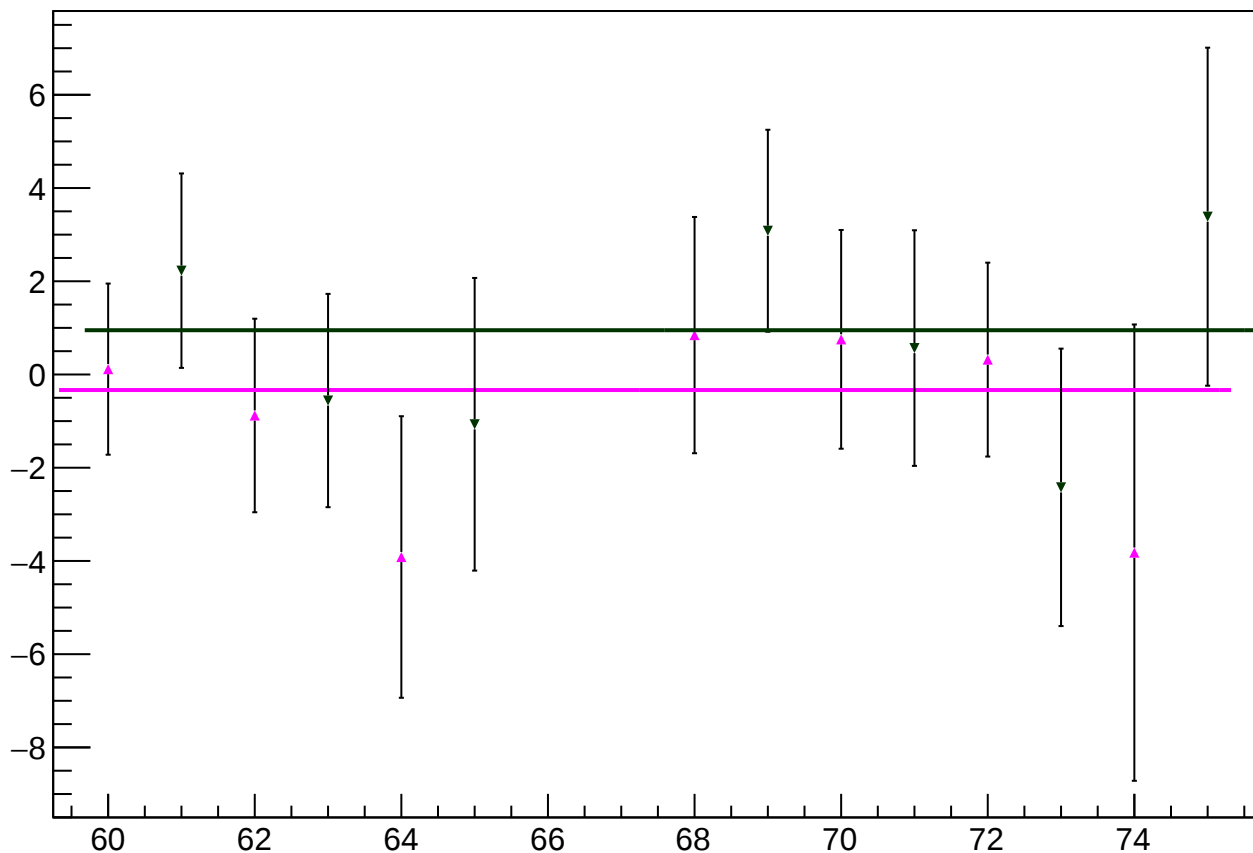
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 58.687+/-0.043  $\chi^2/\text{NDF}$ : 1489537.4/6

92.256+/-0.052  $\chi^2/\text{NDF}$ : 242109.8/6

58.687+/-0.043  $\chi^2/\text{NDF}$ : 1489537.4/6

# diff\_bpm4aX\_mean vs slug



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

Left Out: 0.950 $\pm$ 0.962  $\chi^2$ /NDF: 4.0/6

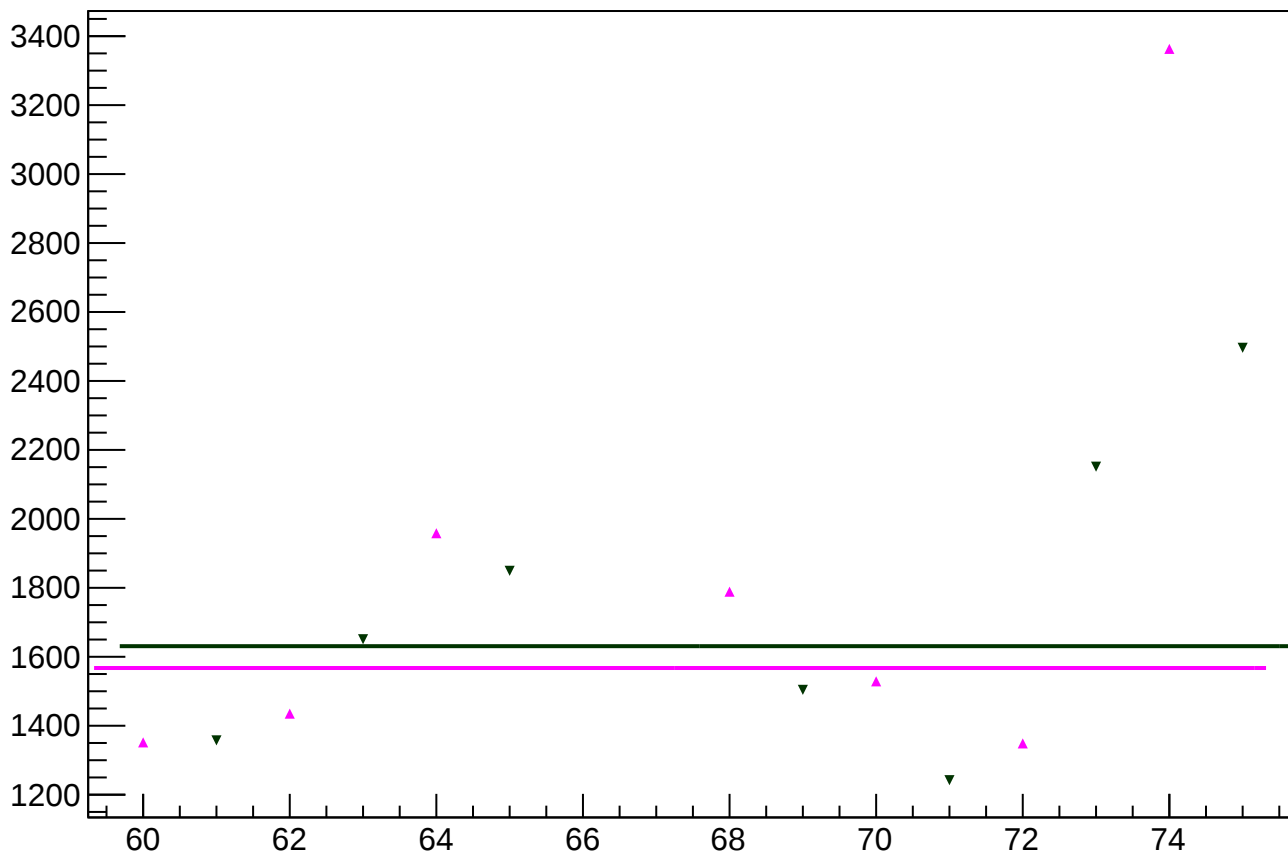
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -0.333 $\pm$ 0.895  $\chi^2$ /NDF: 2.6/6

0.950 $\pm$ 0.962  $\chi^2$ /NDF: 4.0/6

-0.333 $\pm$ 0.895  $\chi^2$ /NDF: 2.6/6

# diff\_bpm4aX\_rms vs slug



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

Left Out: 1630.759+/-0.680  $\chi^2/\text{NDF}$ : 273465.6/6

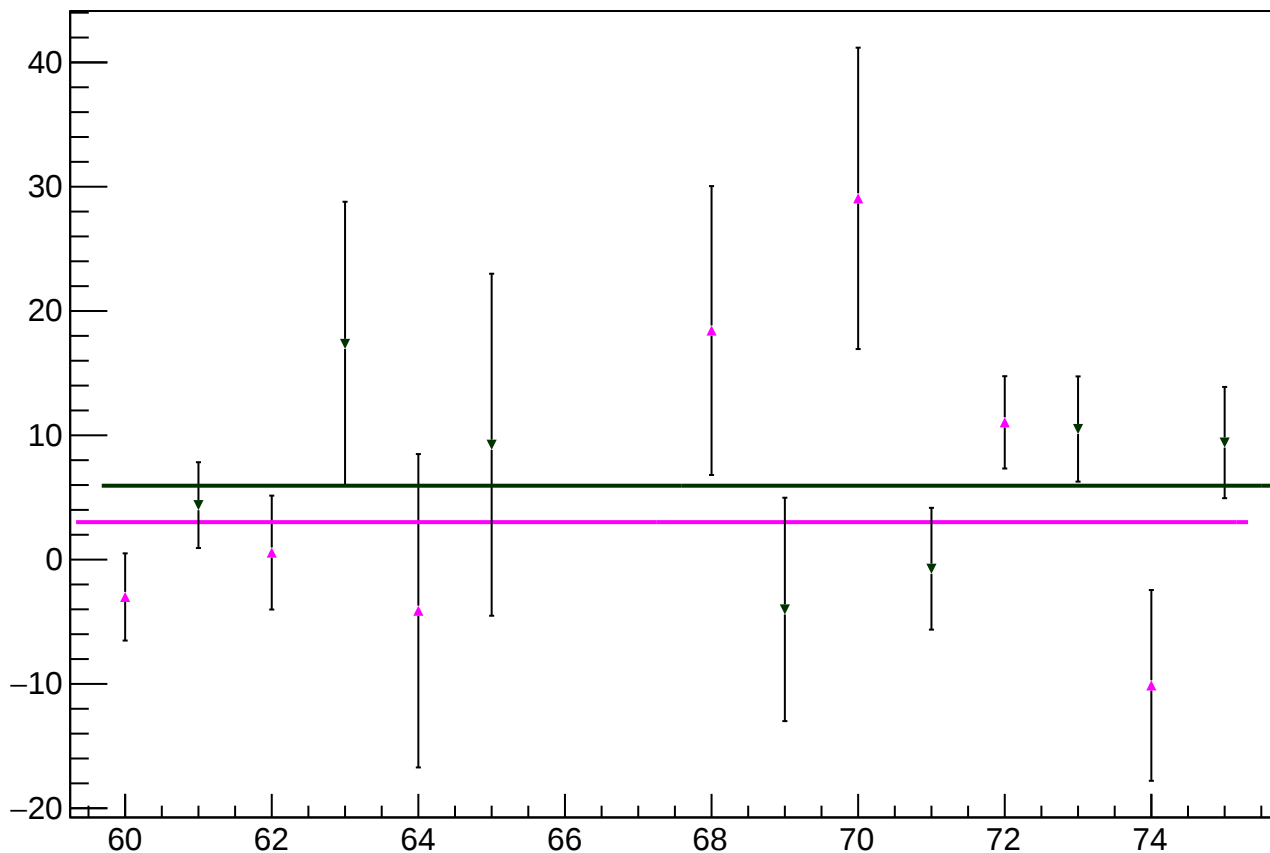
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1567.434+/-0.633  $\chi^2/\text{NDF}$ : 376360.6/6

1630.759+/-0.680  $\chi^2/\text{NDF}$ : 273465.6/6

1567.434+/-0.633  $\chi^2/\text{NDF}$ : 376360.6/6

# diff\_bpm4aY\_mean vs slug



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

Left Out: 5.946+/-1.974  $\chi^2/\text{NDF}$ : 6.1/6

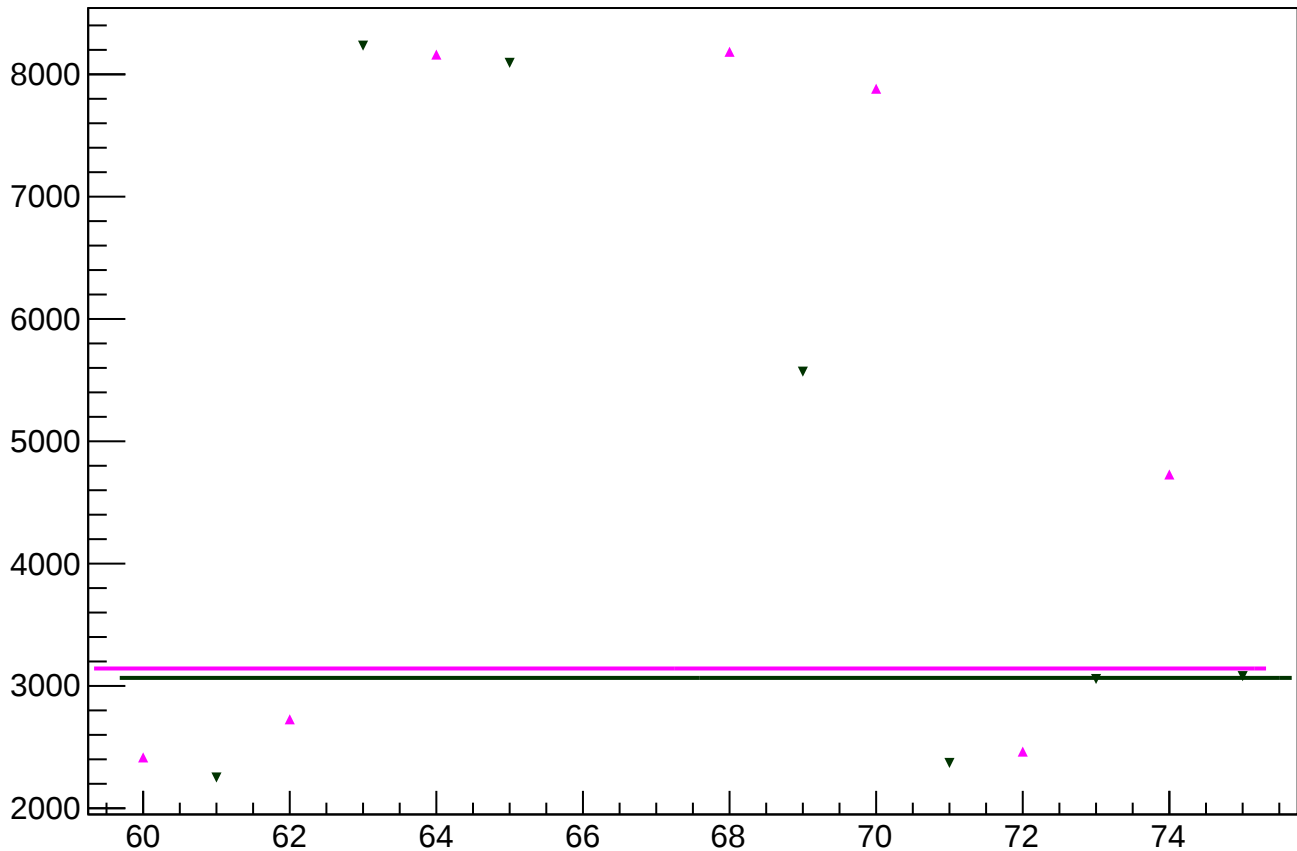
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3.015+/-2.046  $\chi^2/\text{NDF}$ : 17.5/6

5.946+/-1.974  $\chi^2/\text{NDF}$ : 6.1/6

3.015+/-2.046  $\chi^2/\text{NDF}$ : 17.5/6

# diff\_bpm4aY\_rms vs slug



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

Left Out: 3065.745+/-1.396  $\chi^2/\text{NDF}$ : 982700.0/6

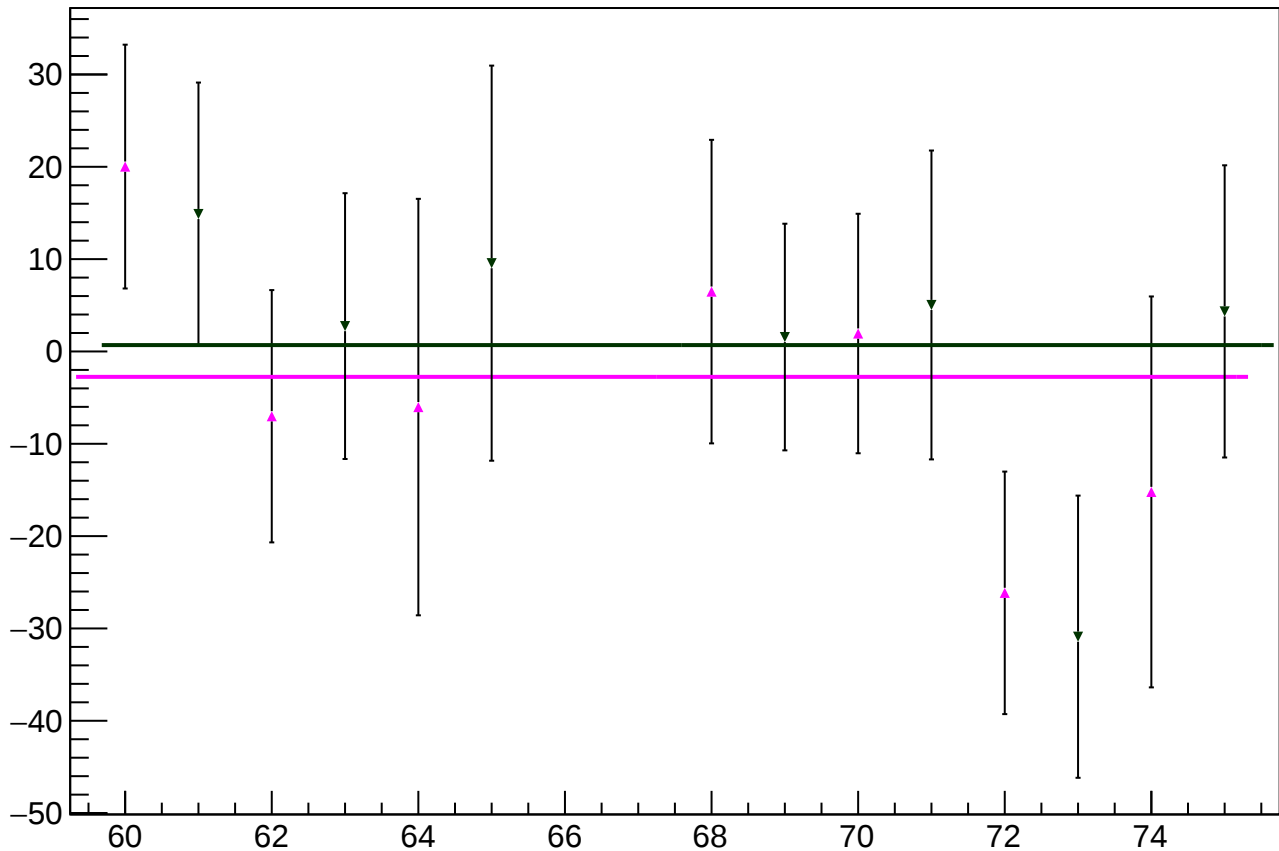
3065.745+/-1.396  $\chi^2/\text{NDF}$ : 982700.0/6

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

3142.638+/-1.447  $\chi^2/\text{NDF}$ : 1253988.9/6

Left In: 3142.638+/-1.447  $\chi^2/\text{NDF}$ : 1253988.9/6

# diff\_bpm4eX\_mean vs slug



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

Left Out: 0.690 $\pm$ 5.732  $\chi^2$ /NDF: 5.6/6

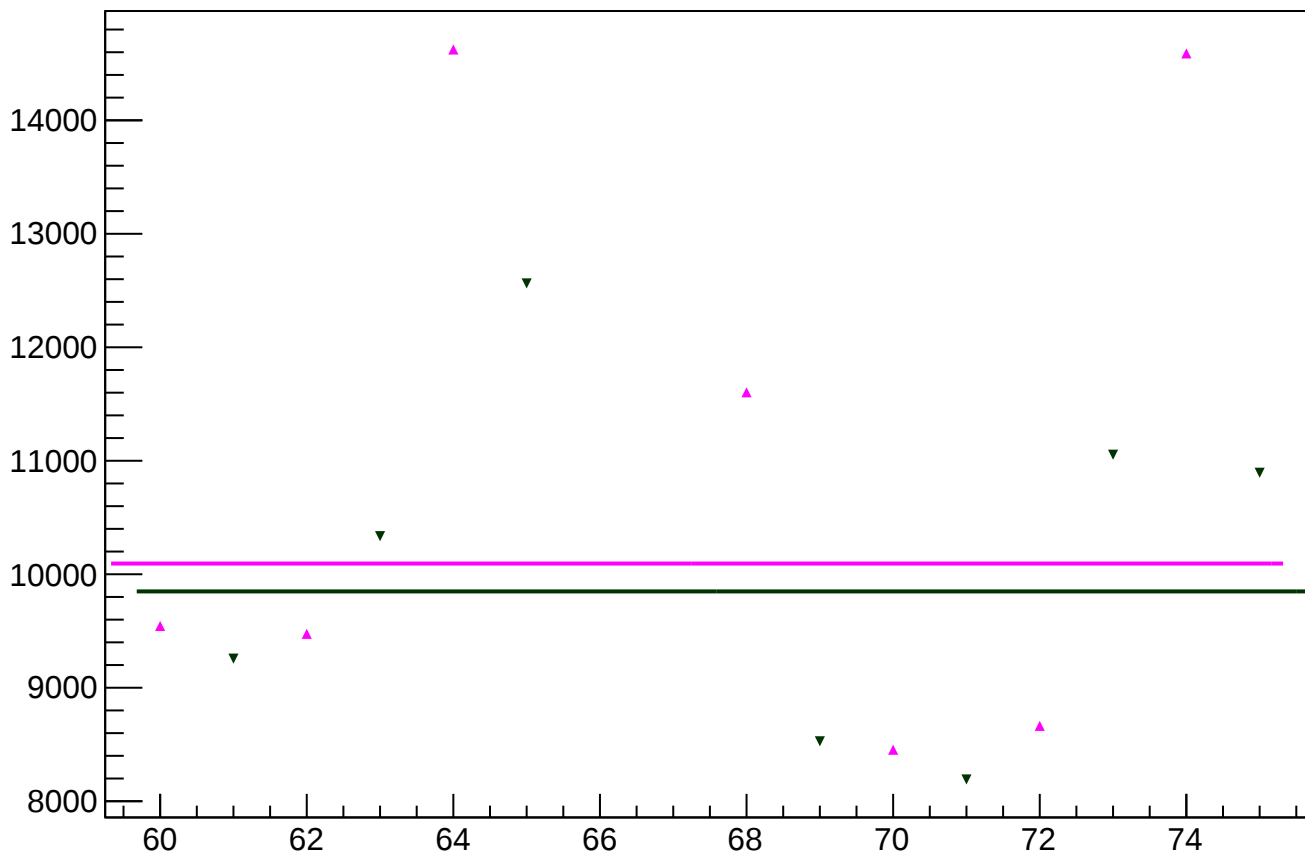
0.690 $\pm$ 5.732  $\chi^2$ /NDF: 5.6/6

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

-2.751 $\pm$ 5.704  $\chi^2$ /NDF: 7.1/6

Left In: -2.751 $\pm$ 5.704  $\chi^2$ /NDF: 7.1/6

# diff\_bpm4eX\_rms vs slug



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

Left Out: 9848.754+/-4.053  $\chi^2/\text{NDF}$ : 101873.3/6

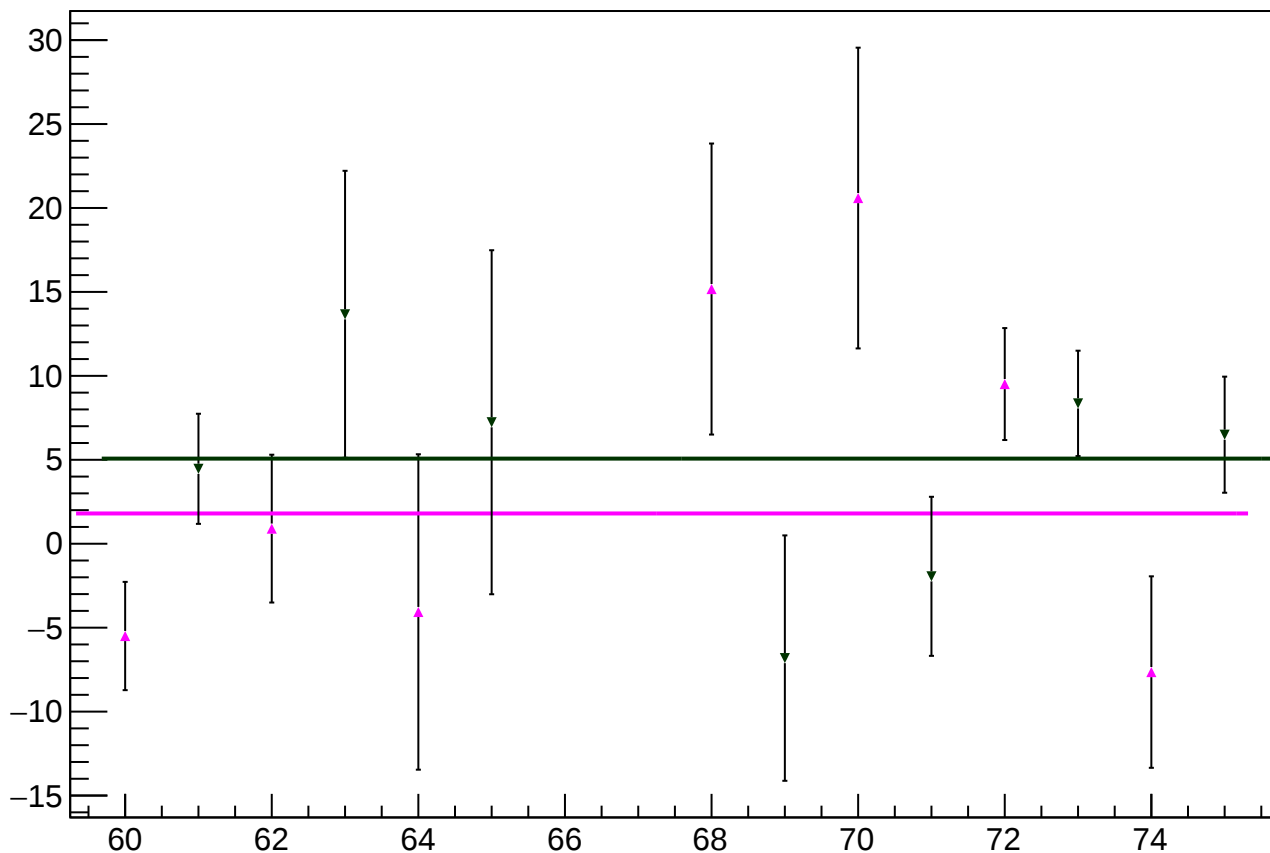
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 10094.454+/-4.034  $\chi^2/\text{NDF}$ : 251016.6/6

9848.754+/-4.053  $\chi^2/\text{NDF}$ : 101873.3/6

10094.454+/-4.034  $\chi^2/\text{NDF}$ : 251016.6/6

# diff\_bpm4eY\_mean vs slug



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

Left Out: 5.071+/-1.656  $\chi^2/\text{NDF}$ : 7.2/6

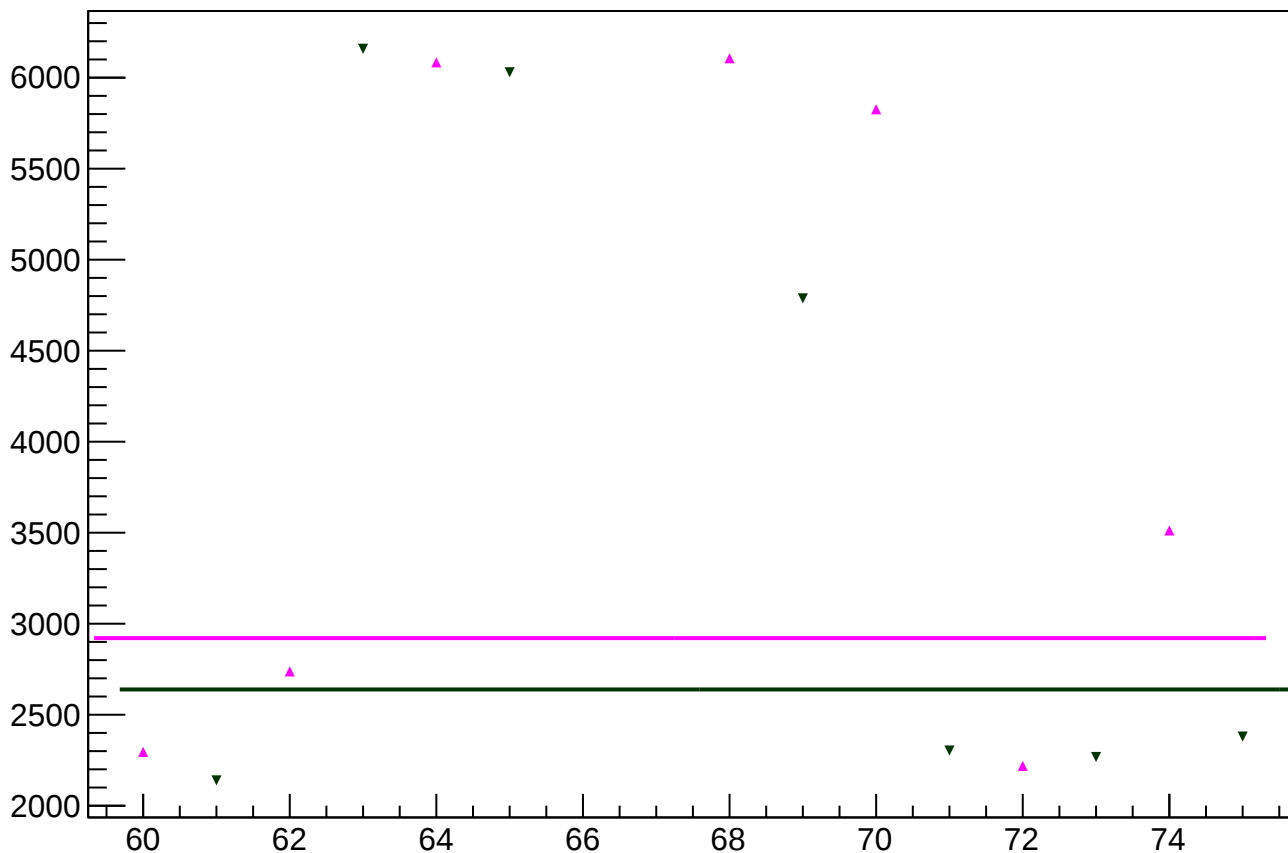
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.803+/-1.809  $\chi^2/\text{NDF}$ : 20.4/6

5.071+/-1.656  $\chi^2/\text{NDF}$ : 7.2/6

1.803+/-1.809  $\chi^2/\text{NDF}$ : 20.4/6

# diff\_bpm4eY\_rms vs slug



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

Left Out: 2638.846+/-1.171  $\chi^2$ /NDF:826675.3/6

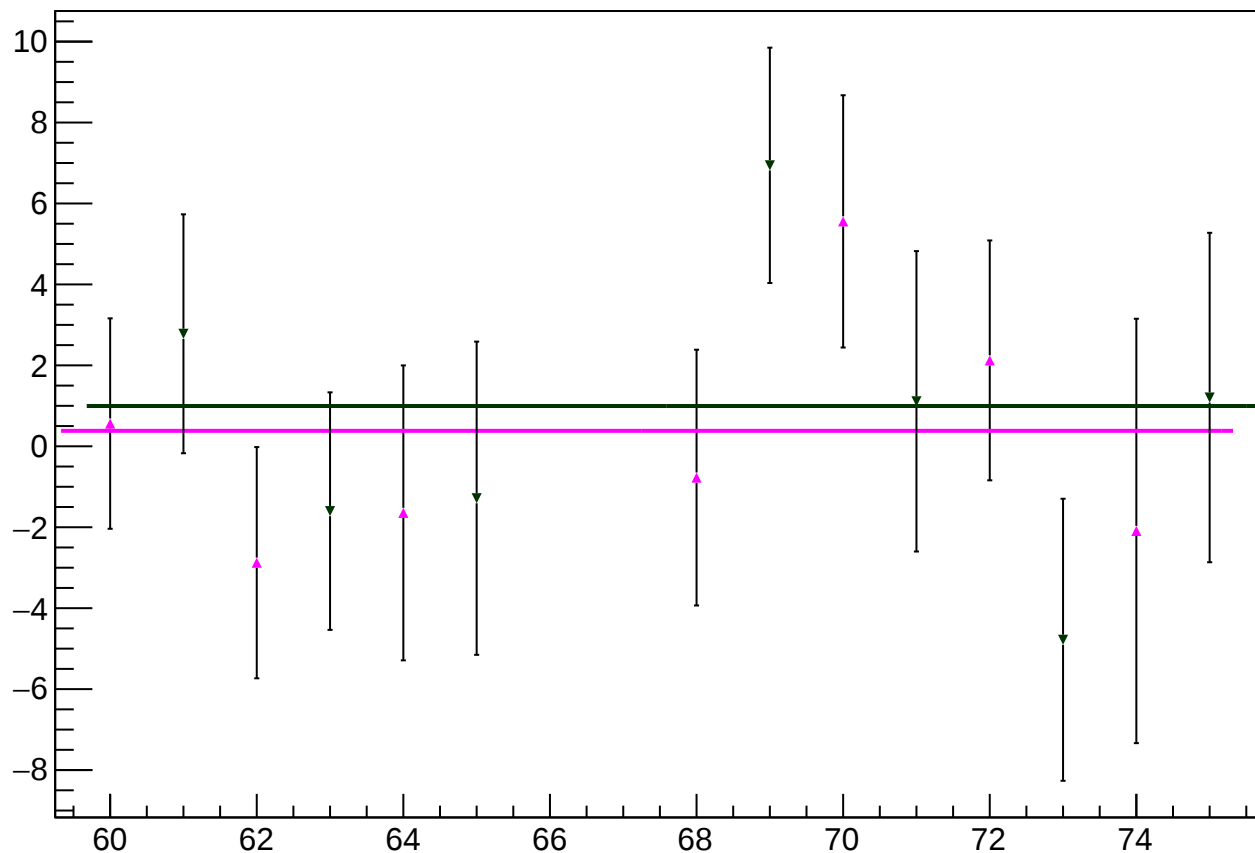
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 2920.849+/-1.279  $\chi^2$ /NDF:896002.8/6

2638.846+/-1.171  $\chi^2$ /NDF: 826675.3/6

2920.849+/-1.279  $\chi^2$ /NDF: 896002.8/6

# diff\_bpm4acX\_mean vs slug



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

Left Out: 0.995 $\pm$ 1.259  $\chi^2$ /NDF: 8.4/6

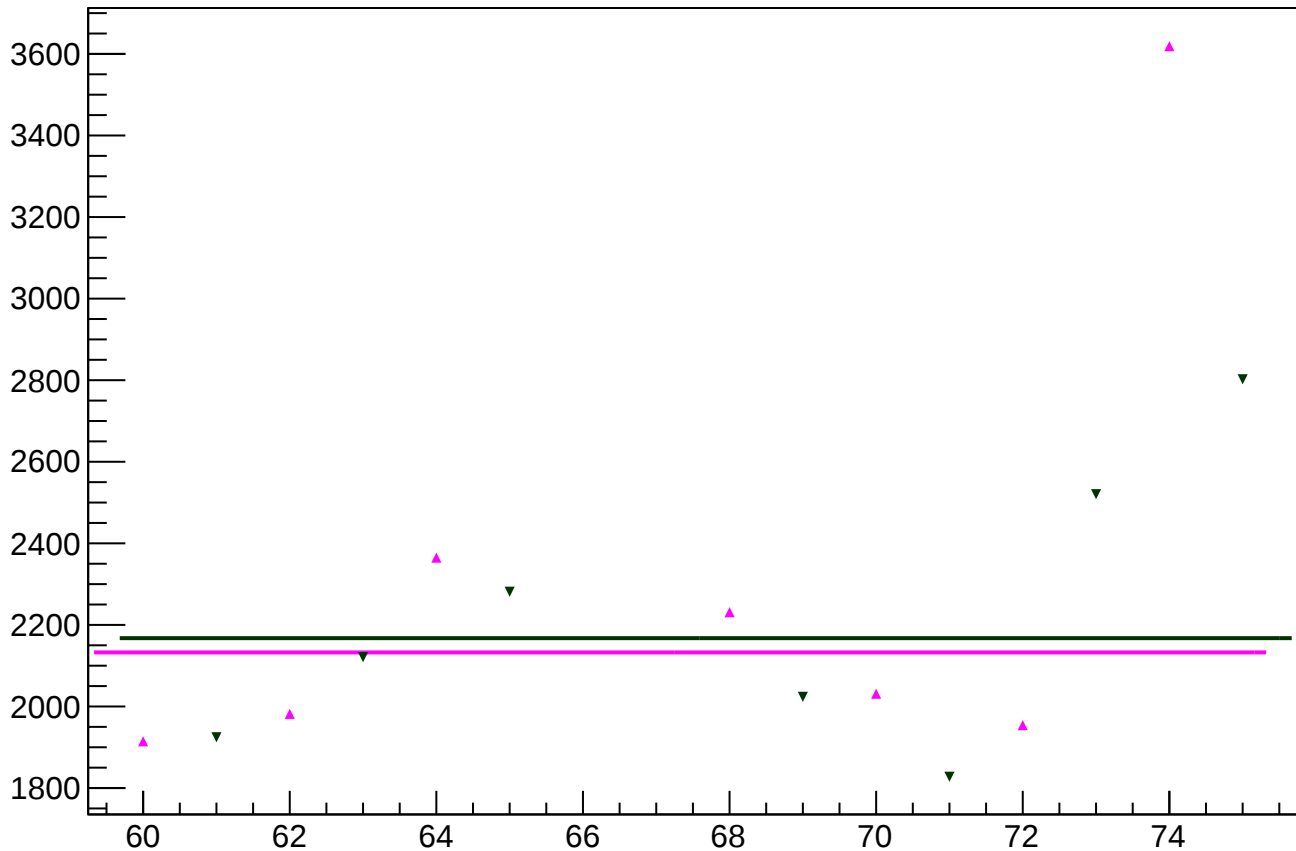
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.382 $\pm$ 1.196  $\chi^2$ /NDF: 5.1/6

0.995 $\pm$ 1.259  $\chi^2$ /NDF: 8.4/6

0.382 $\pm$ 1.196  $\chi^2$ /NDF: 5.1/6

# diff\_bpm4acX\_rms vs slug



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

Left Out: 2167.535+/-0.890  $\chi^2/\text{NDF}$ :106598.9/6

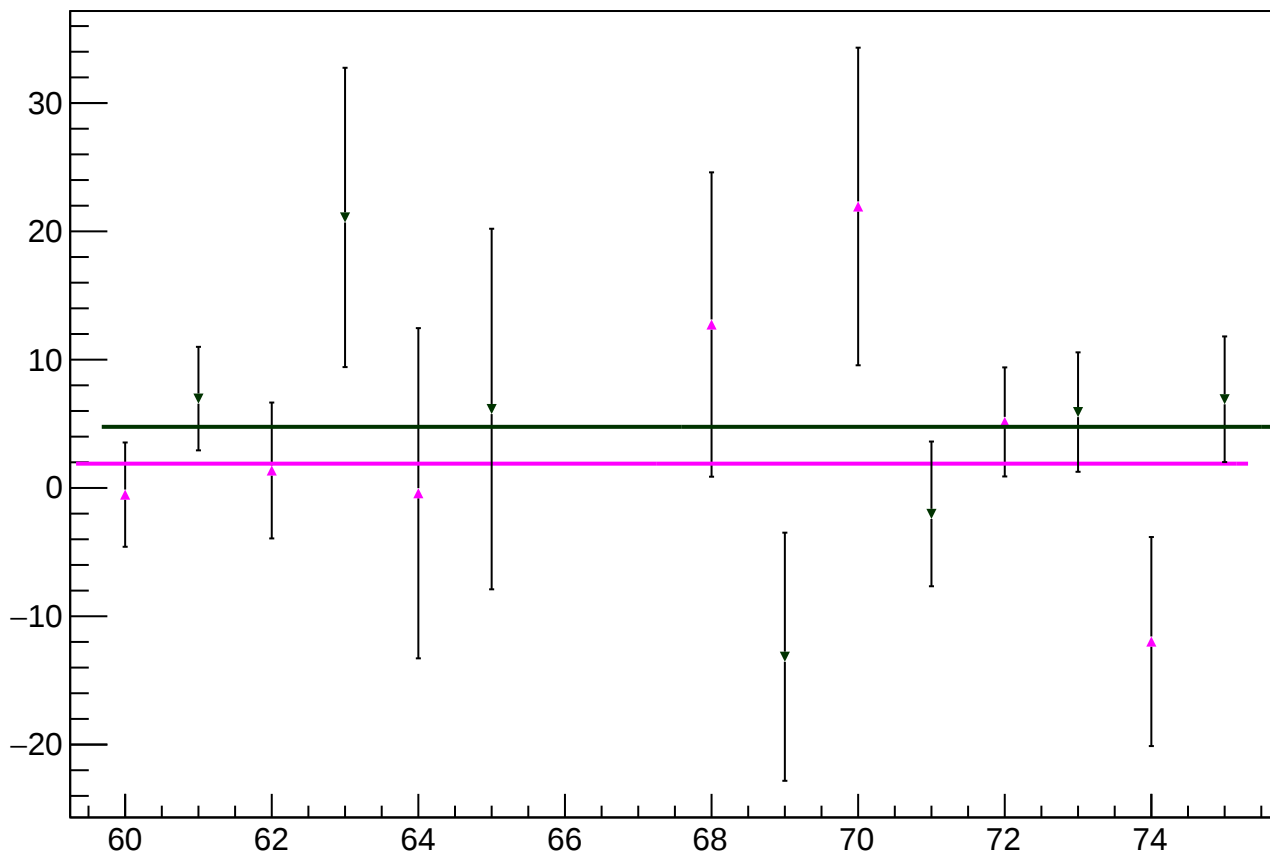
2167.535+/-0.890  $\chi^2/\text{NDF}$ : 106598.9/6

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

2132.545+/-0.846  $\chi^2/\text{NDF}$ : 199786.1/6

Left In: 2132.545+/-0.846  $\chi^2/\text{NDF}$ :199786.1/6

diff\_bpm4acY\_mean vs slug



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

Left Out: 4.765+/-2.215  $\chi^2/\text{NDF}$ : 7.4/6

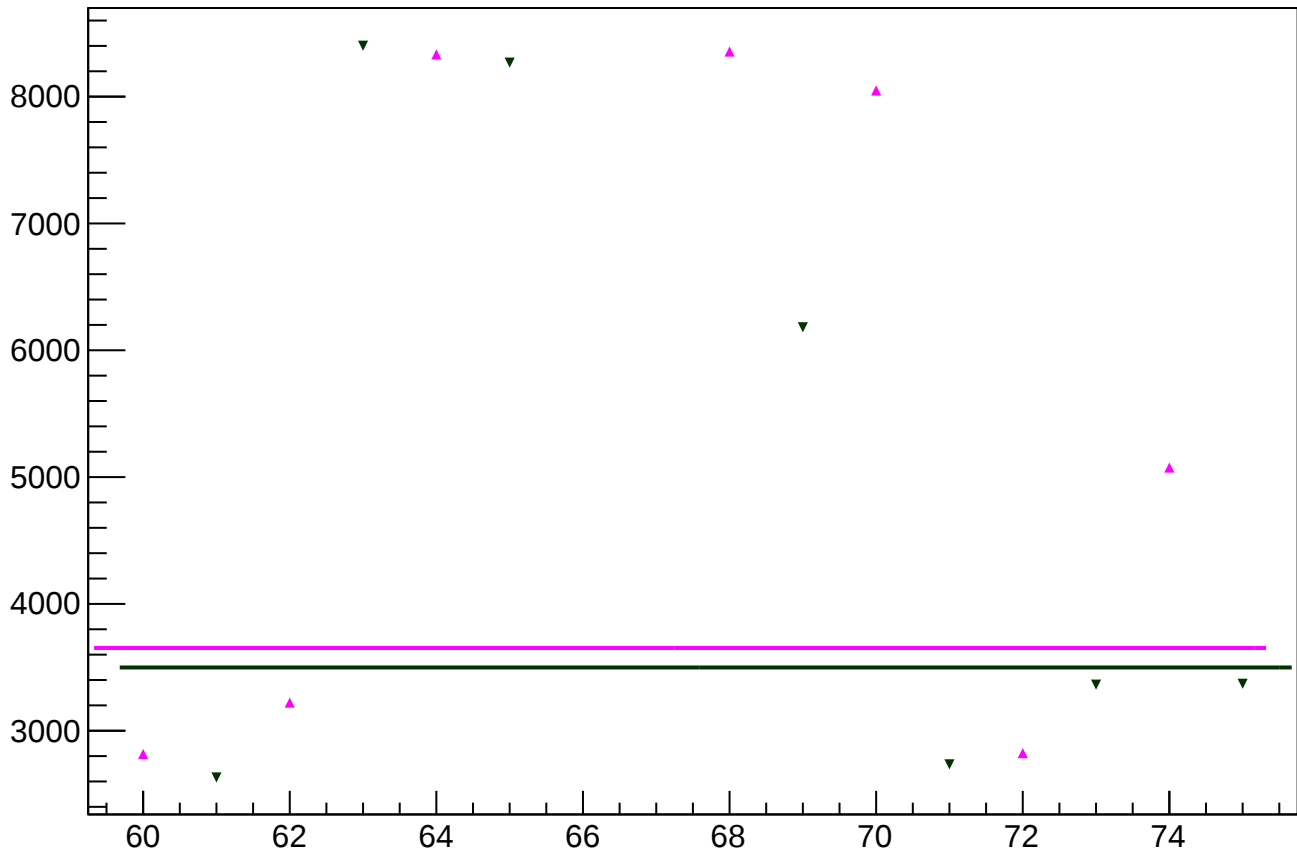
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.894+/-2.317  $\chi^2/\text{NDF}$ : 7.3/6

4.765+/-2.215  $\chi^2/\text{NDF}$ : 7.4/6

1.894+/-2.317  $\chi^2/\text{NDF}$ : 7.3/6

# diff\_bpm4acY\_rms vs slug



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

Left Out: 3498.896+/-1.566  $\chi^2/\text{NDF}$ : 869785.9/6

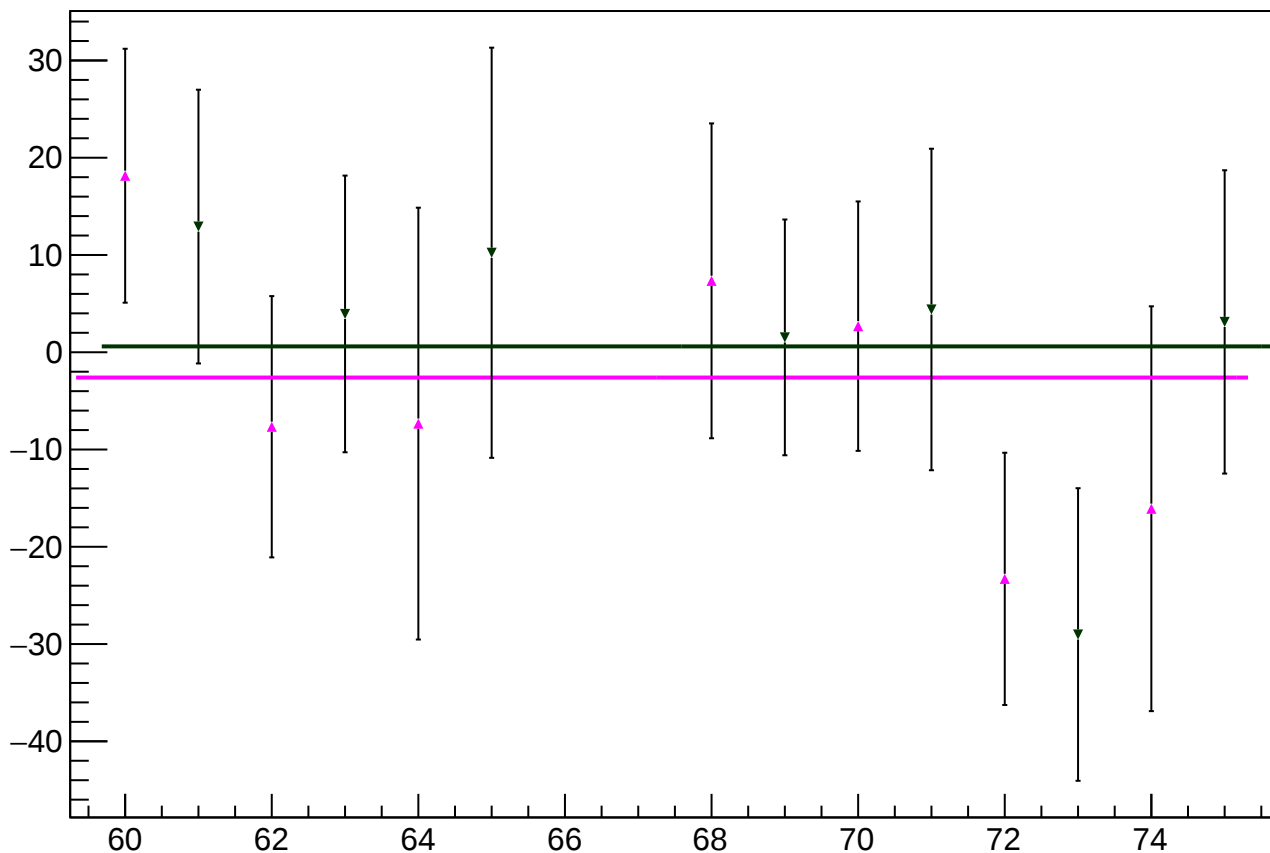
3498.896+/-1.566  $\chi^2/\text{NDF}$ : 869785.9/6

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

3652.630+/-1.638  $\chi^2/\text{NDF}$ : 1066197.5/6

Left In: 3652.630+/-1.638  $\chi^2/\text{NDF}$ : 1066197.5/6

# diff\_bpm4ecX\_mean vs slug



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

Left Out: 0.602+/-5.657  $\chi^2/\text{NDF}$ : 5.0/6

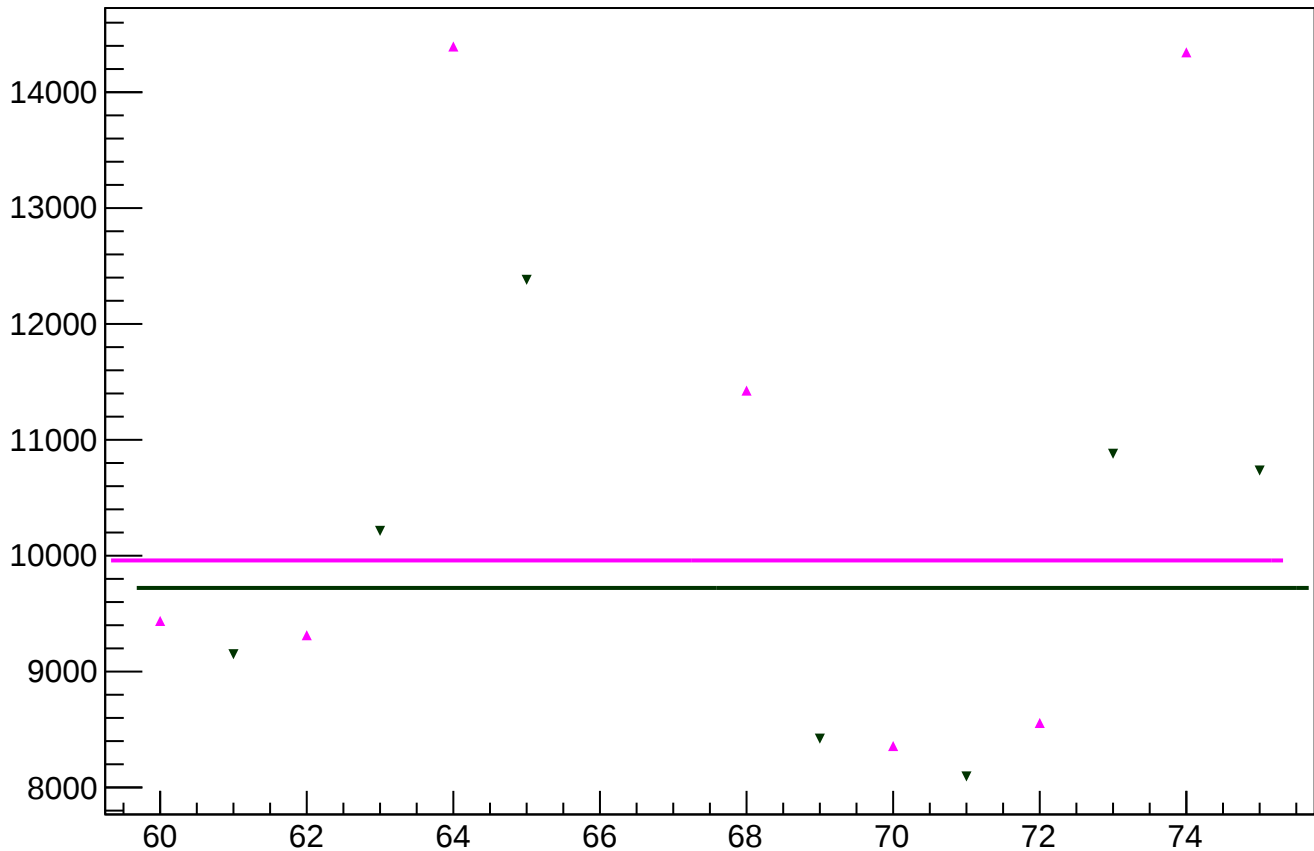
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.600+/-5.626  $\chi^2/\text{NDF}$ : 6.2/6

0.602+/-5.657  $\chi^2/\text{NDF}$ : 5.0/6

-2.600+/-5.626  $\chi^2/\text{NDF}$ : 6.2/6

# diff\_bpm4ecX\_rms vs slug



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

Left Out: 9721.839+/-4.000  $\chi^2/\text{NDF}$ : 100214.0/6

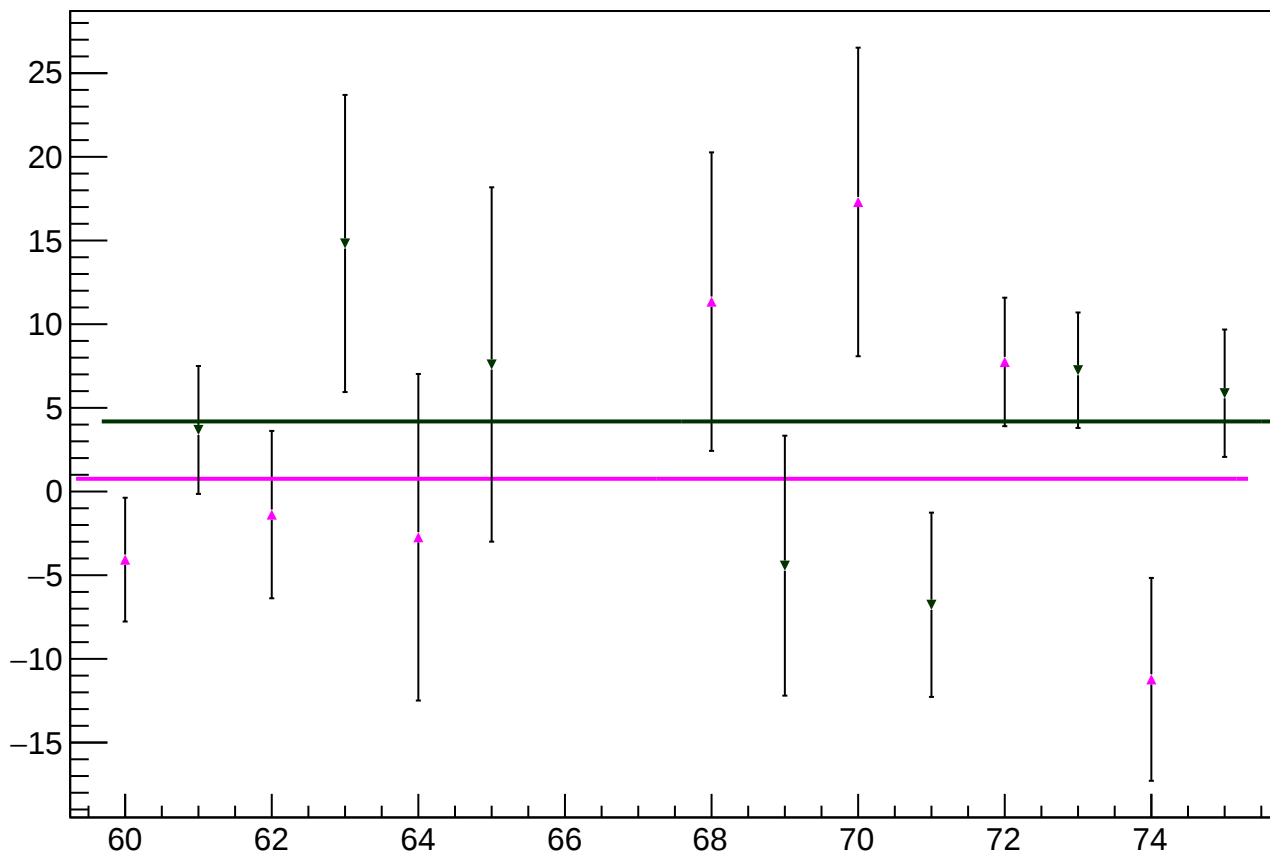
9721.839+/-4.000  $\chi^2/\text{NDF}$ : 100214.0/6

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

9959.070+/-3.978  $\chi^2/\text{NDF}$ : 247461.9/6

Left In: 9959.070+/-3.978  $\chi^2/\text{NDF}$ : 247461.9/6

# diff\_bpm4ecY\_mean vs slug



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

Left Out: 4.188+/-1.848  $\chi^2/\text{NDF}$ : 7.7/6

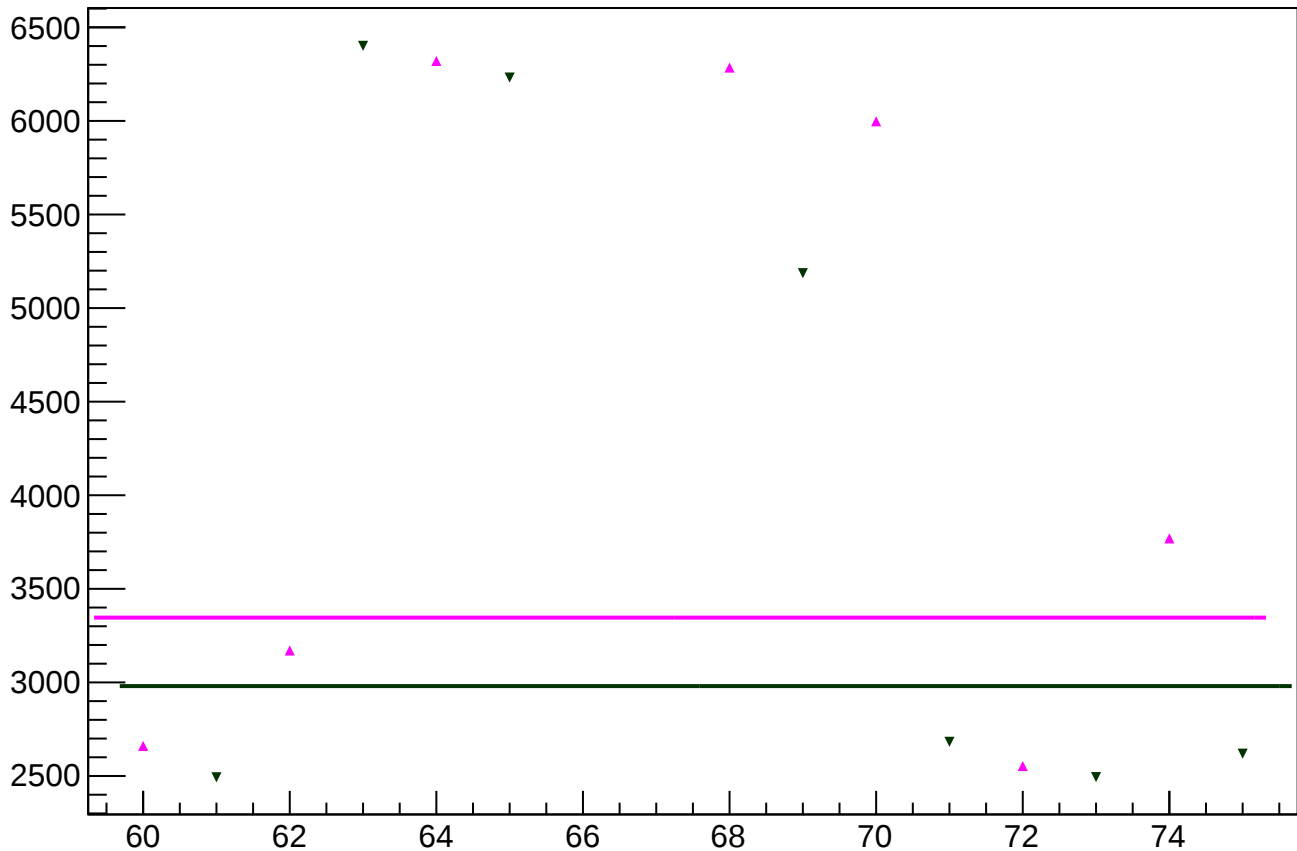
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.761+/-2.029  $\chi^2/\text{NDF}$ : 13.9/6

4.188+/-1.848  $\chi^2/\text{NDF}$ : 7.7/6

0.761+/-2.029  $\chi^2/\text{NDF}$ : 13.9/6

# diff\_bpm4ecY\_rms vs slug



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

Left Out: 2980.287+/-1.307  $\chi^2/\text{NDF}$ : 742993.6/6

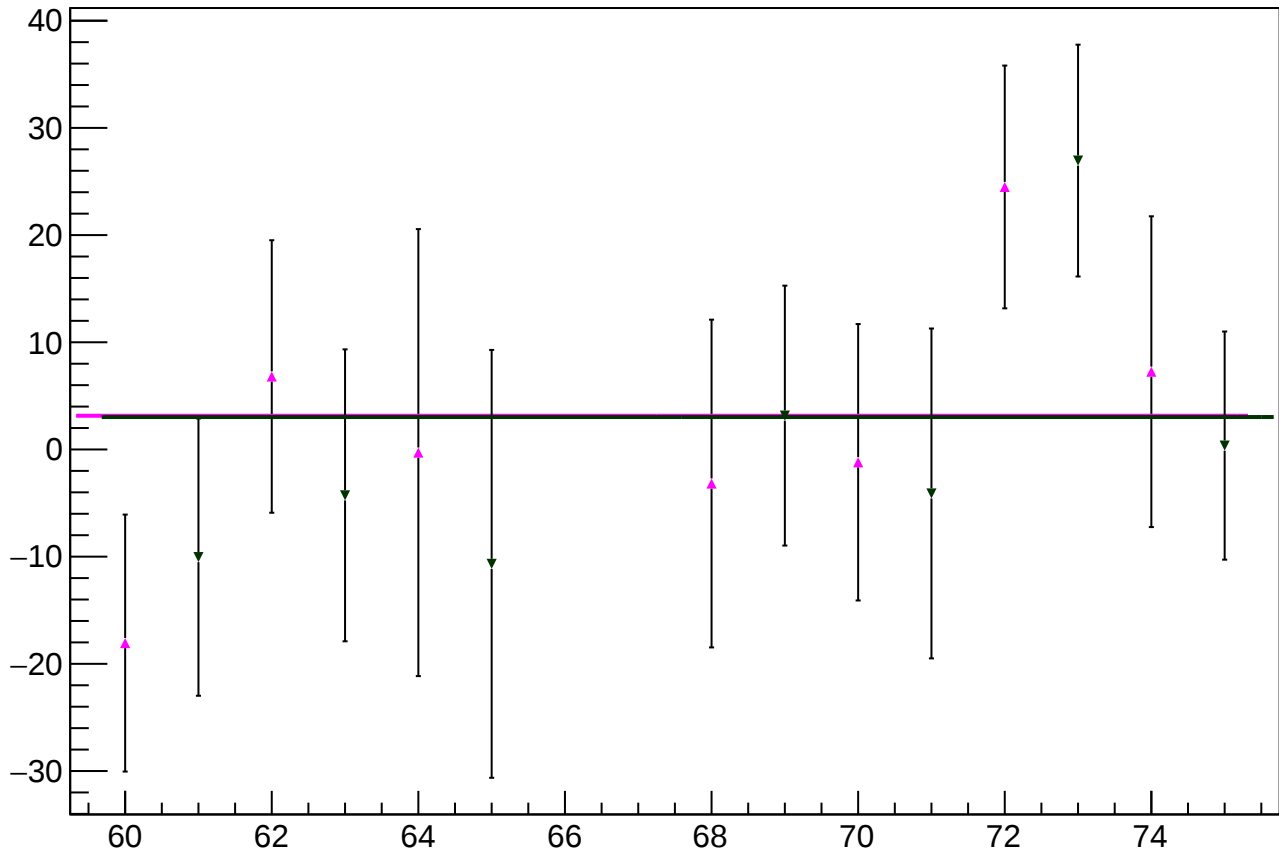
2980.287+/-1.307  $\chi^2/\text{NDF}$ : 742993.6/6

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

3346.179+/-1.434  $\chi^2/\text{NDF}$ : 734628.6/6

Left In: 3346.179+/-1.434  $\chi^2/\text{NDF}$ : 734628.6/6

# diff\_bpm1X\_mean vs slug



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

Left Out: 3.026+/-4.863     $\chi^2/\text{NDF}$ : 7.0/6

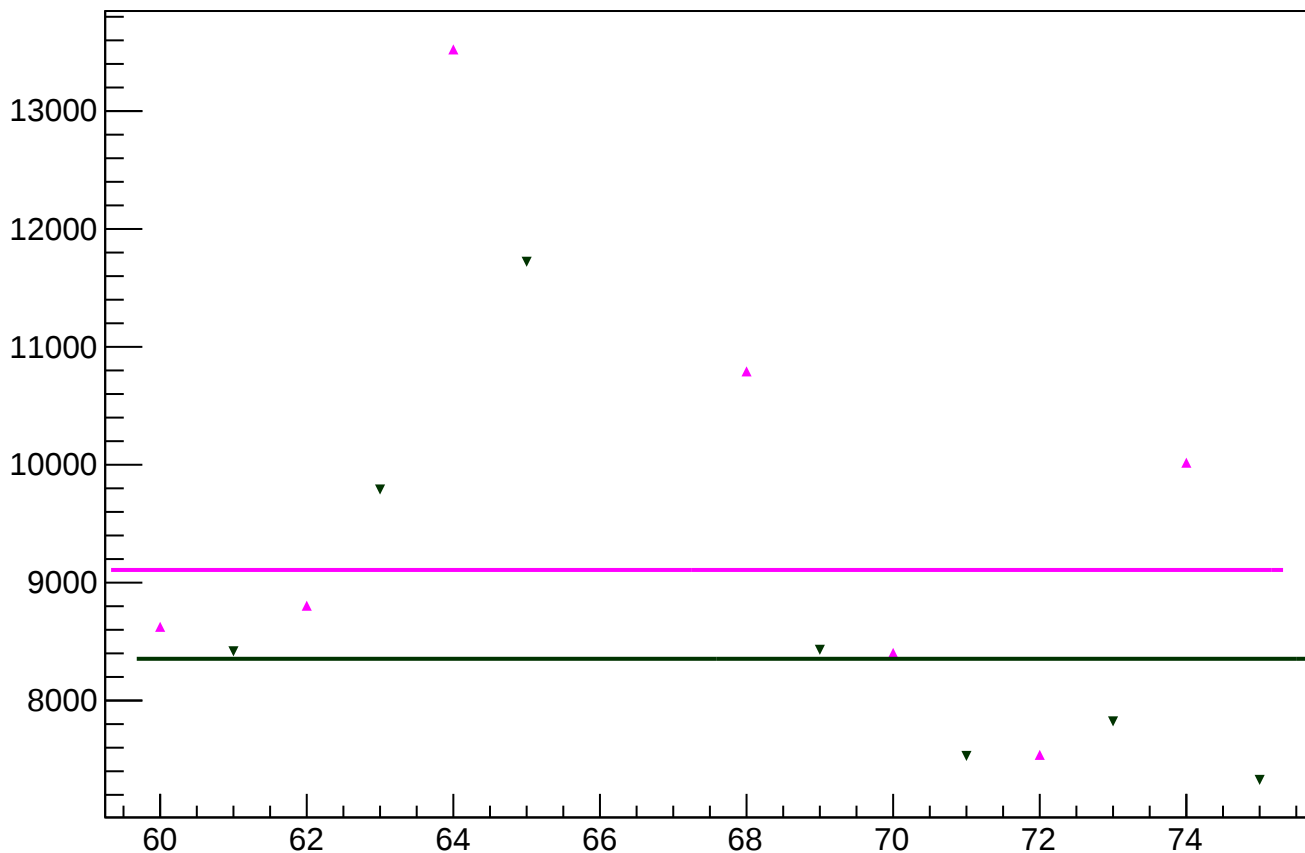
3.026+/-4.863     $\chi^2/\text{NDF}$ : 7.0/6

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

Left In: 3.145+/-5.110     $\chi^2/\text{NDF}$ : 7.2/6

3.145+/-5.110     $\chi^2/\text{NDF}$ : 7.2/6

# diff\_bpm1X\_rms vs slug



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

Left Out: 8354.088+/-3.439  $\chi^2/\text{NDF}$ :108496.6/6

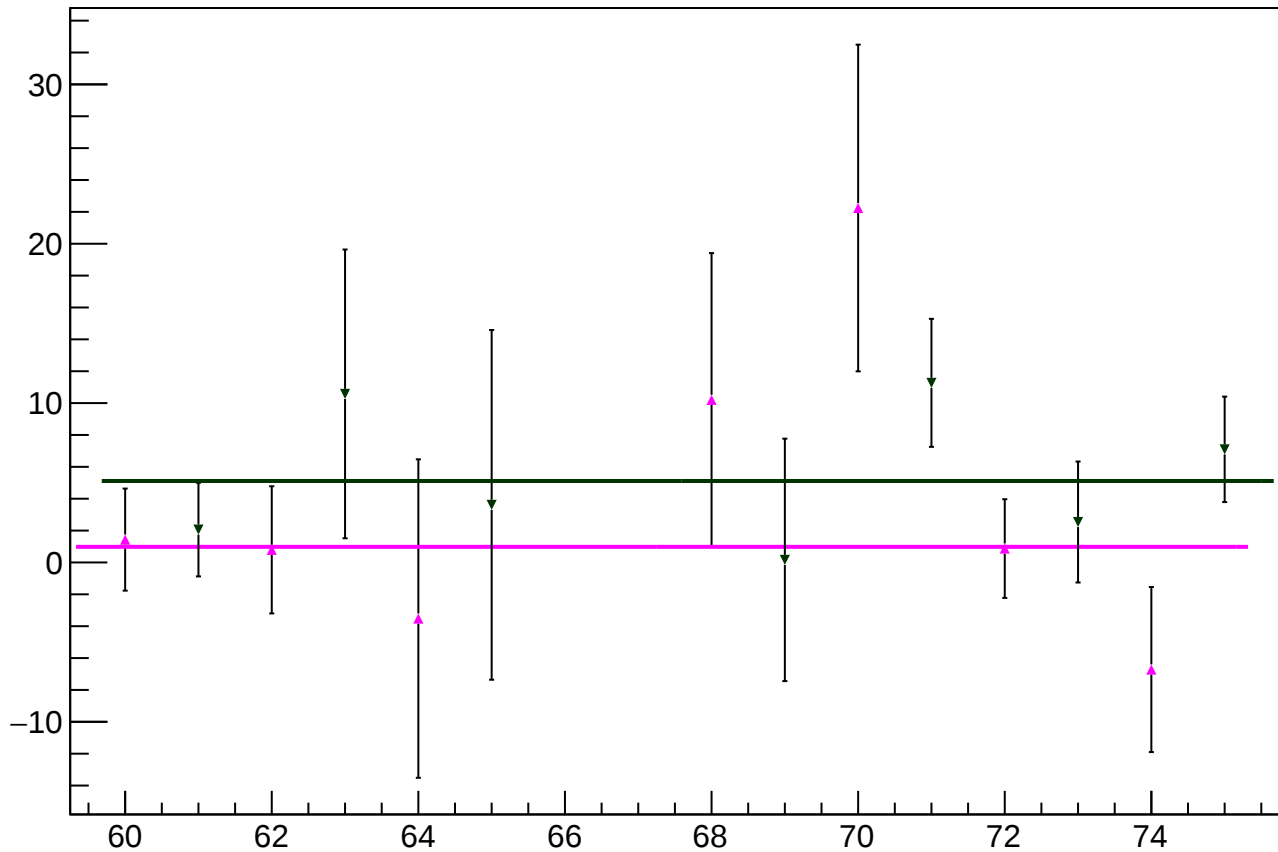
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 9107.640+/-3.613  $\chi^2/\text{NDF}$ :170520.4/6

8354.088+/-3.439  $\chi^2/\text{NDF}$ : 108496.6/6

9107.640+/-3.613  $\chi^2/\text{NDF}$ : 170520.4/6

# diff\_bpm1Y\_mean vs slug



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

Left Out: 5.112+/-1.630  $\chi^2/\text{NDF}$ : 5.1/6

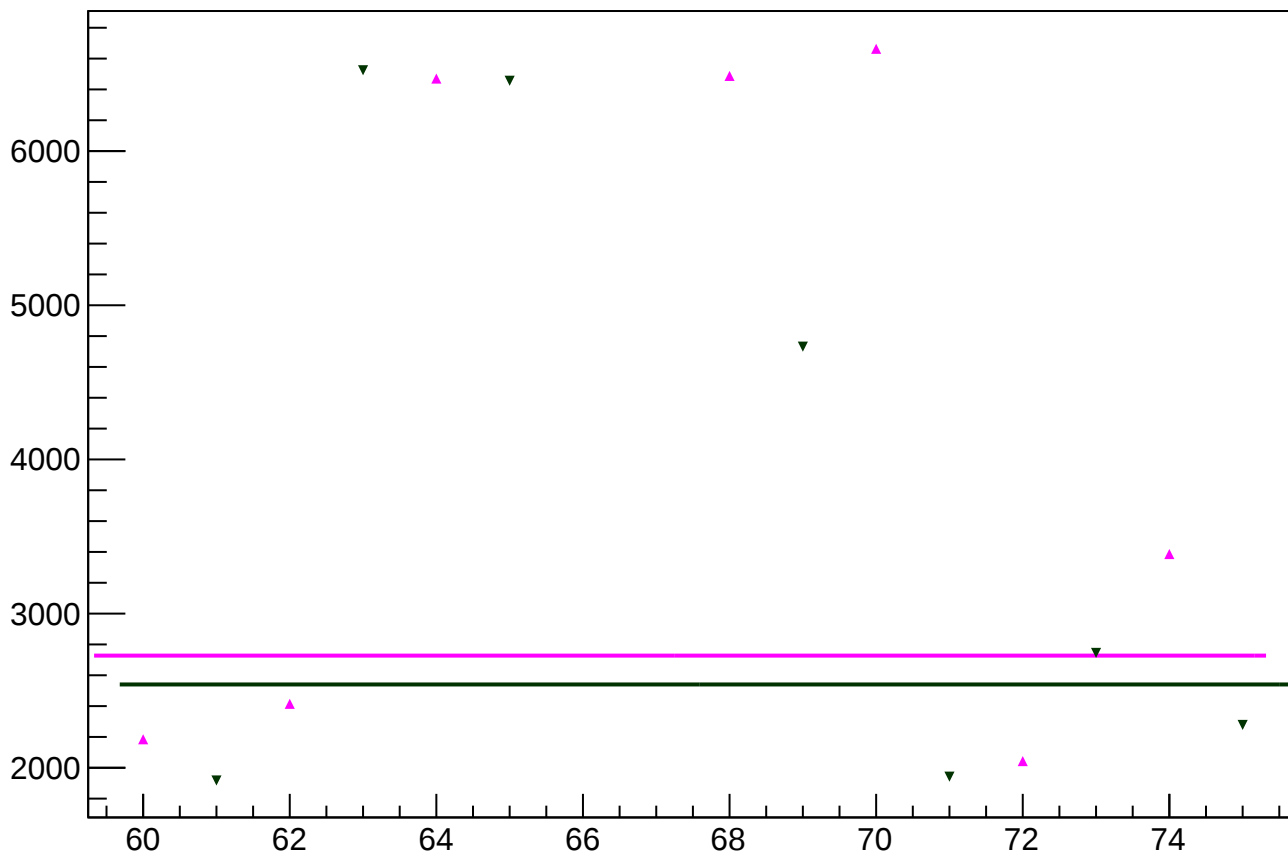
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.980+/-1.733  $\chi^2/\text{NDF}$ : 7.7/6

5.112+/-1.630  $\chi^2/\text{NDF}$ : 5.1/6

0.980+/-1.733  $\chi^2/\text{NDF}$ : 7.7/6

diff\_bpm1Y\_rms vs slug



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

Left Out: 2540.415+/-1.153  $\chi^2/\text{NDF}$ : 959919.3/6

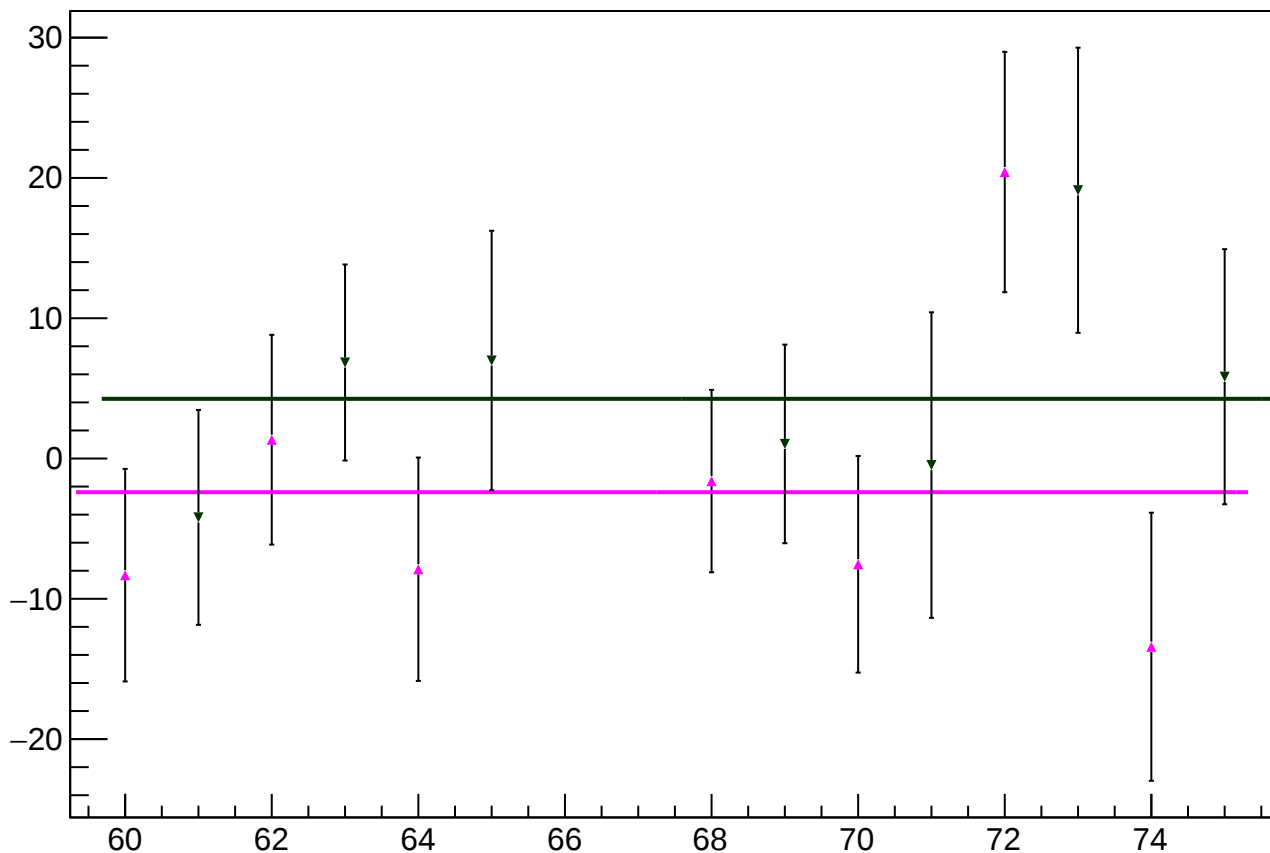
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2727.545+/-1.225  $\chi^2/\text{NDF}$ : 1108503.7/6

2540.415+/-1.153  $\chi^2/\text{NDF}$ : 959919.3/6

2727.545+/-1.225  $\chi^2/\text{NDF}$ : 1108503.7/6

# diff\_bpm11X\_mean vs slug



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

Left Out: 4.254+/-3.172     $\chi^2/\text{NDF}$ : 4.0/6

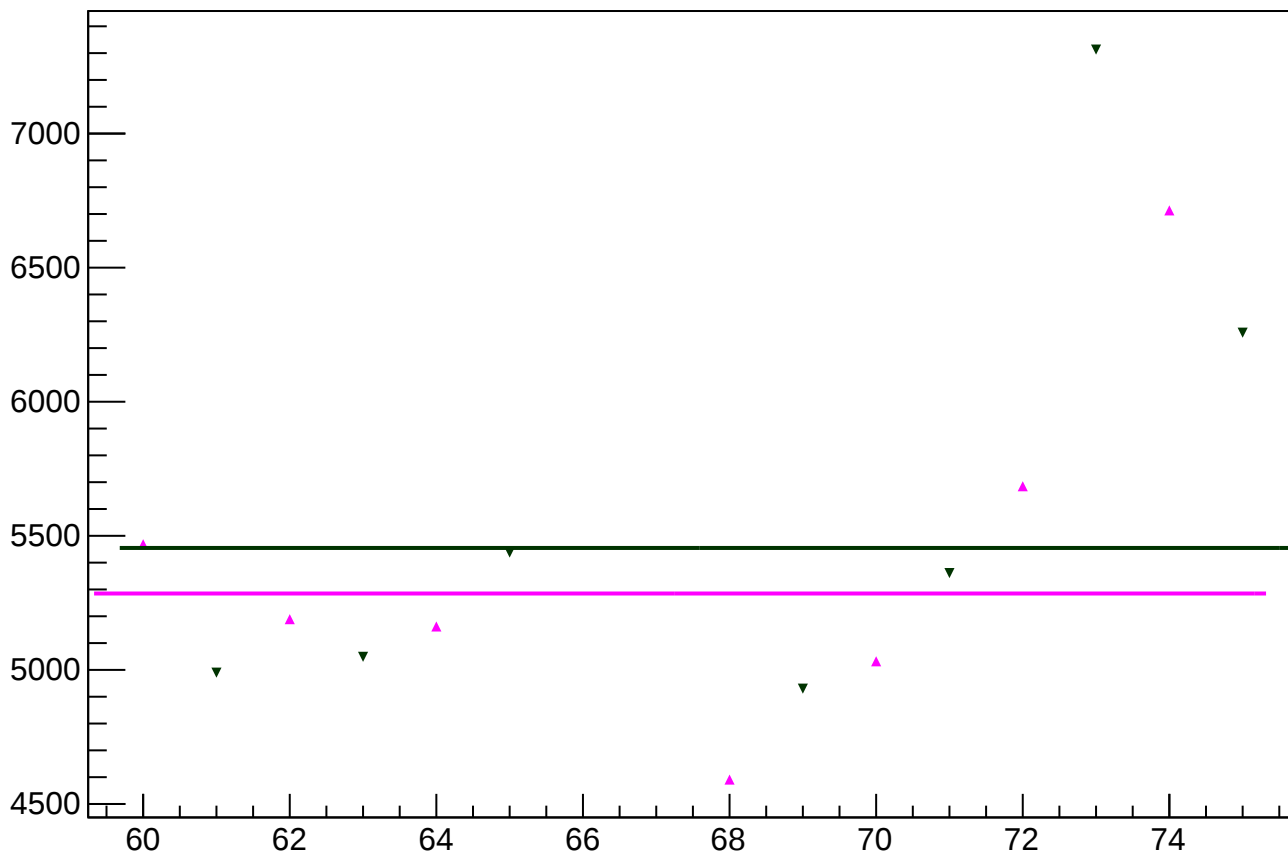
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.401+/-2.935     $\chi^2/\text{NDF}$ : 10.2/6

4.254+/-3.172     $\chi^2/\text{NDF}$ : 4.0/6

-2.401+/-2.935     $\chi^2/\text{NDF}$ : 10.2/6

diff\_bpm11X\_rms vs slug



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

Left Out: 5454.751+/-2.243  $\chi^2/\text{NDF}$ : 107739.5/6

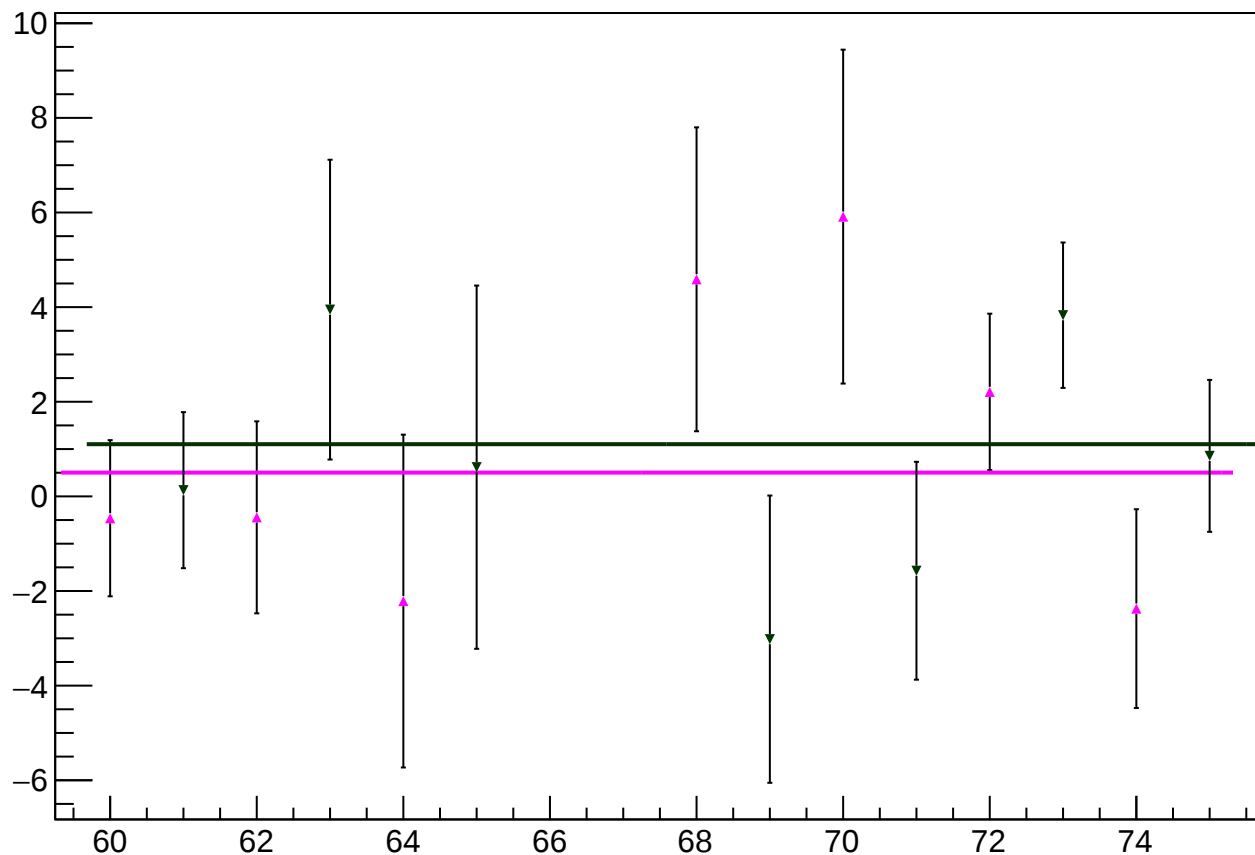
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5284.894+/-2.075  $\chi^2/\text{NDF}$ : 75975.6/6

5454.751+/-2.243  $\chi^2/\text{NDF}$ : 107739.5/6

5284.894+/-2.075  $\chi^2/\text{NDF}$ : 75975.6/6

# diff\_bpm11Y\_mean vs slug



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

Left Out: 1.103+/-0.780  $\chi^2/\text{NDF}$ : 7.5/6

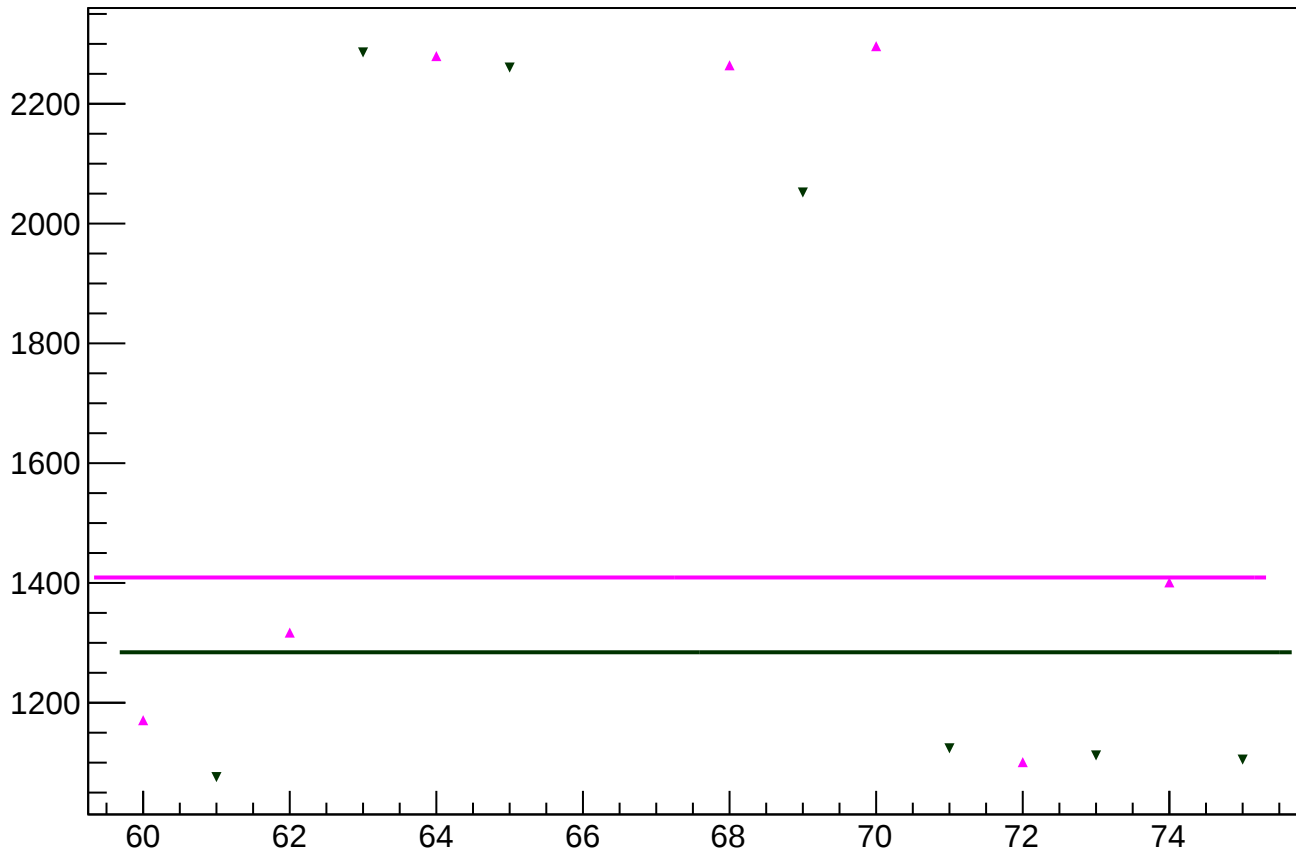
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.503+/-0.827  $\chi^2/\text{NDF}$ : 8.1/6

1.103+/-0.780  $\chi^2/\text{NDF}$ : 7.5/6

0.503+/-0.827  $\chi^2/\text{NDF}$ : 8.1/6

# diff\_bpm11Y\_rms vs slug



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

Left Out: 1284.270+/-0.552  $\chi^2/\text{NDF}$ : 548757.7/6

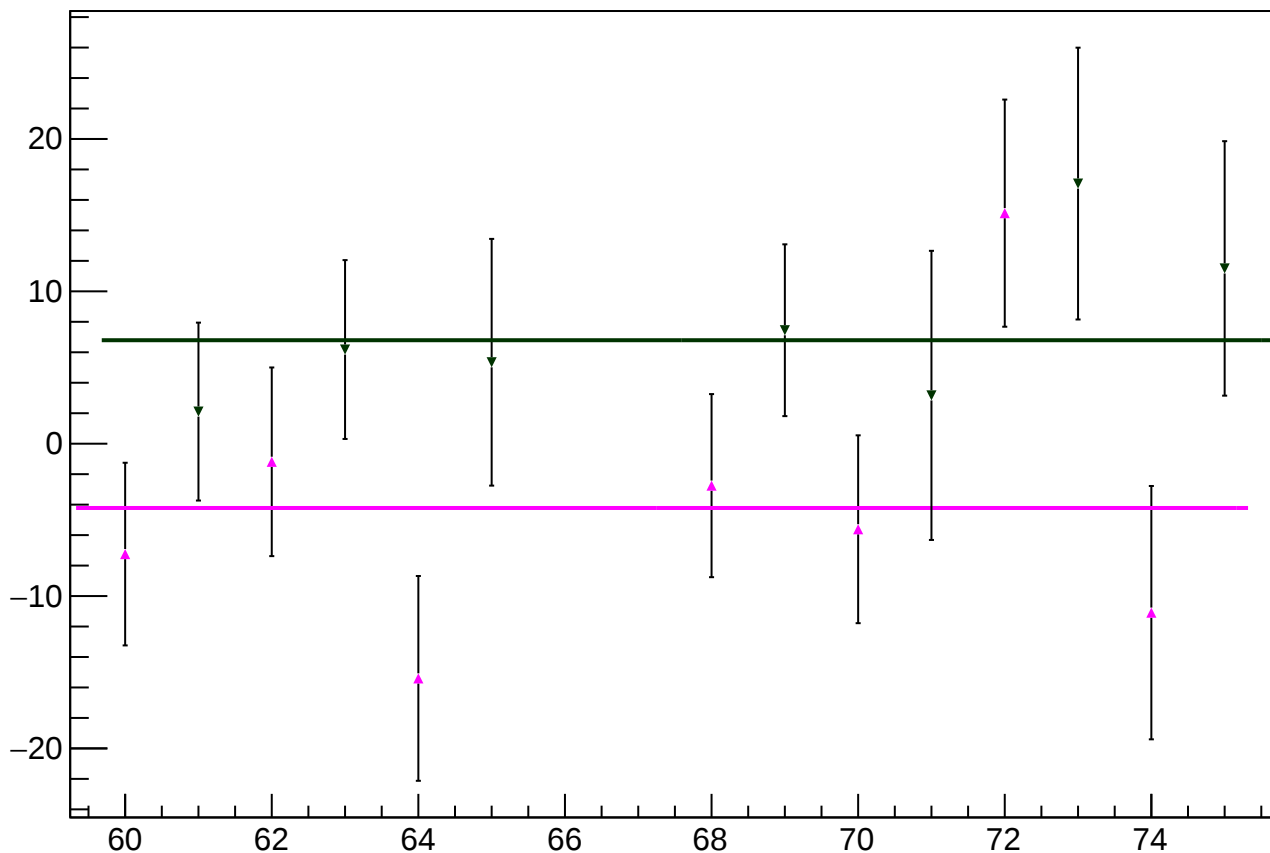
1284.270+/-0.552  $\chi^2/\text{NDF}$ : 548757.7/6

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

1409.136+/-0.585  $\chi^2/\text{NDF}$ : 506124.7/6

Left In: 1409.136+/-0.585  $\chi^2/\text{NDF}$ : 506124.7/6

# diff\_bpm12X\_mean vs slug



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

Left Out: 6.791+/-2.644  $\chi^2/\text{NDF}$ : 2.5/6

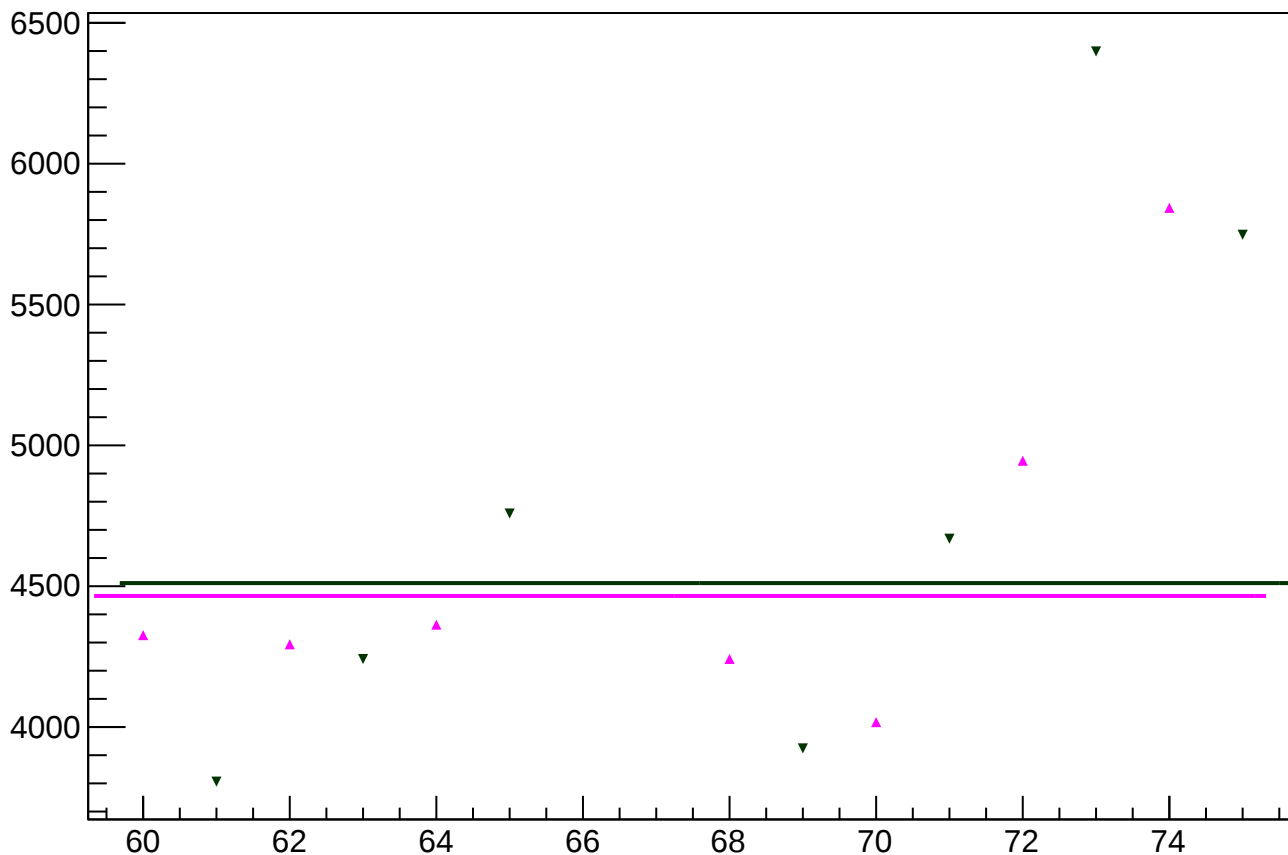
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -4.219+/-2.480  $\chi^2/\text{NDF}$ : 10.8/6

6.791+/-2.644  $\chi^2/\text{NDF}$ : 2.5/6

-4.219+/-2.480  $\chi^2/\text{NDF}$ : 10.8/6

# diff\_bpm12X\_rms vs slug



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

Left Out: 4511.072+/-1.869  $\chi^2/\text{NDF}$ : 190846.0/6

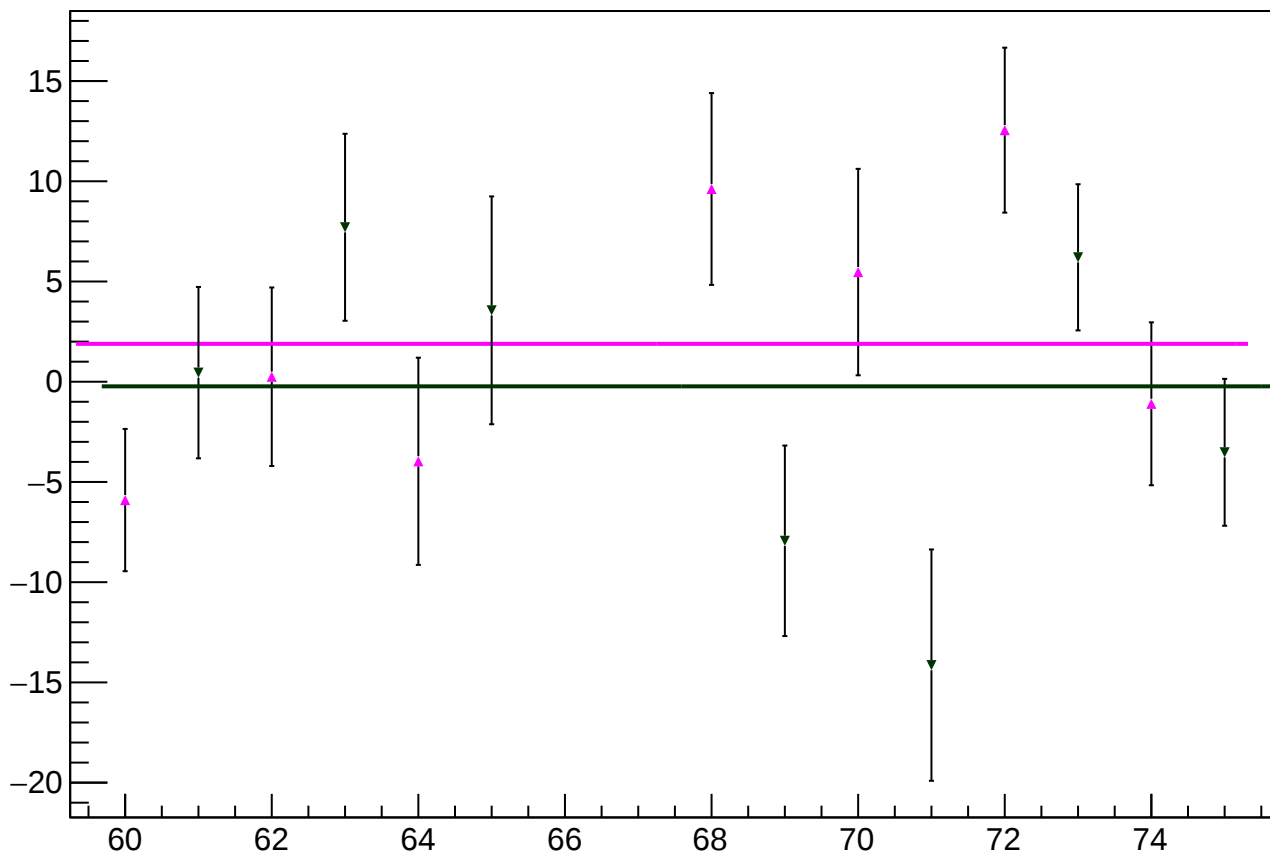
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 4465.410+/-1.754  $\chi^2/\text{NDF}$ : 79625.6/6

4511.072+/-1.869  $\chi^2/\text{NDF}$ : 190846.0/6

4465.410+/-1.754  $\chi^2/\text{NDF}$ : 79625.6/6

# diff\_bpm12Y\_mean vs slug



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

Left Out: -0.231+/-1.677  $\chi^2/\text{NDF}$ :15.7/6

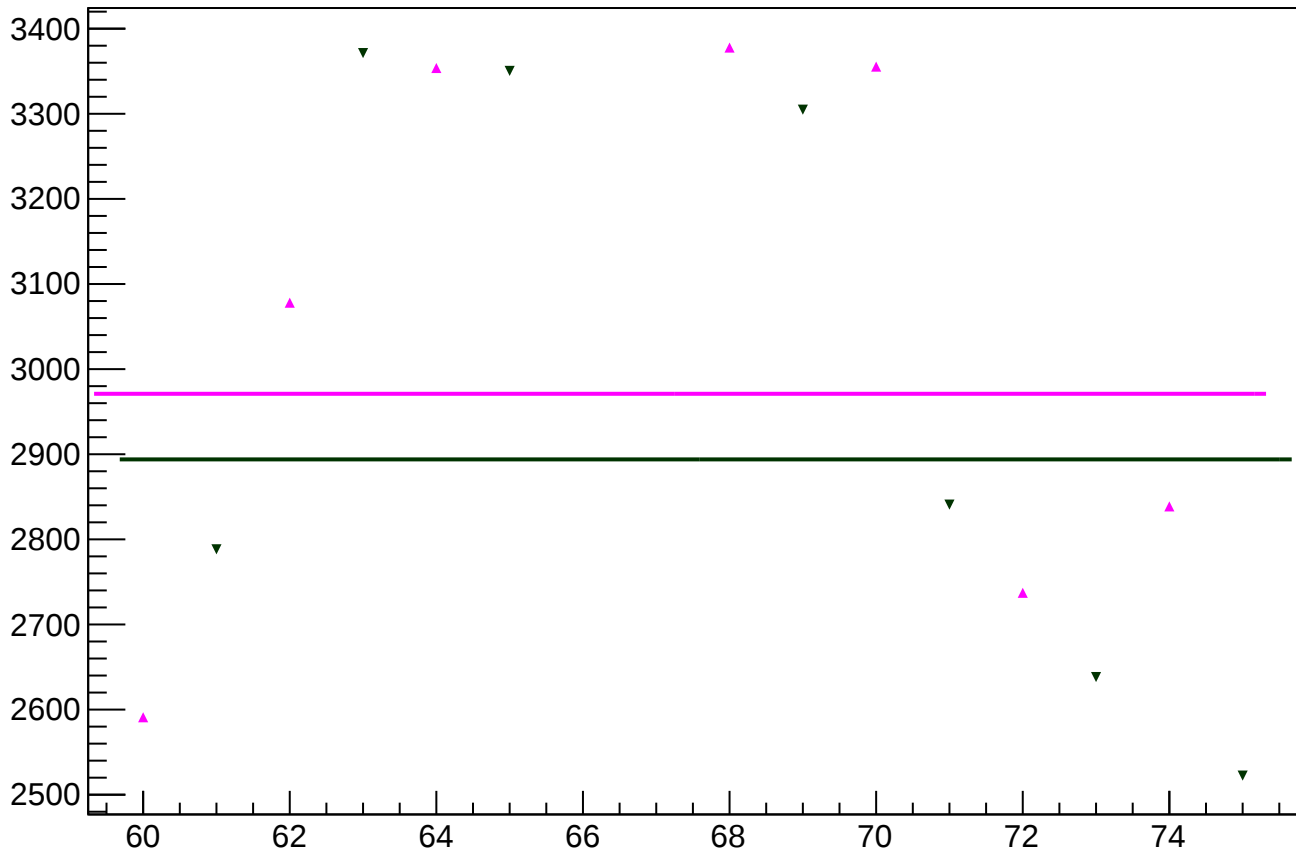
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.890+/-1.648  $\chi^2/\text{NDF}$ :16.6/6

-0.231+/-1.677  $\chi^2/\text{NDF}$ : 15.7/6

1.890+/-1.648  $\chi^2/\text{NDF}$ : 16.6/6

# diff\_bpm12Y\_rms vs slug



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

Left Out: 2893.948+/-1.186  $\chi^2/\text{NDF}$ : 80597.5/6

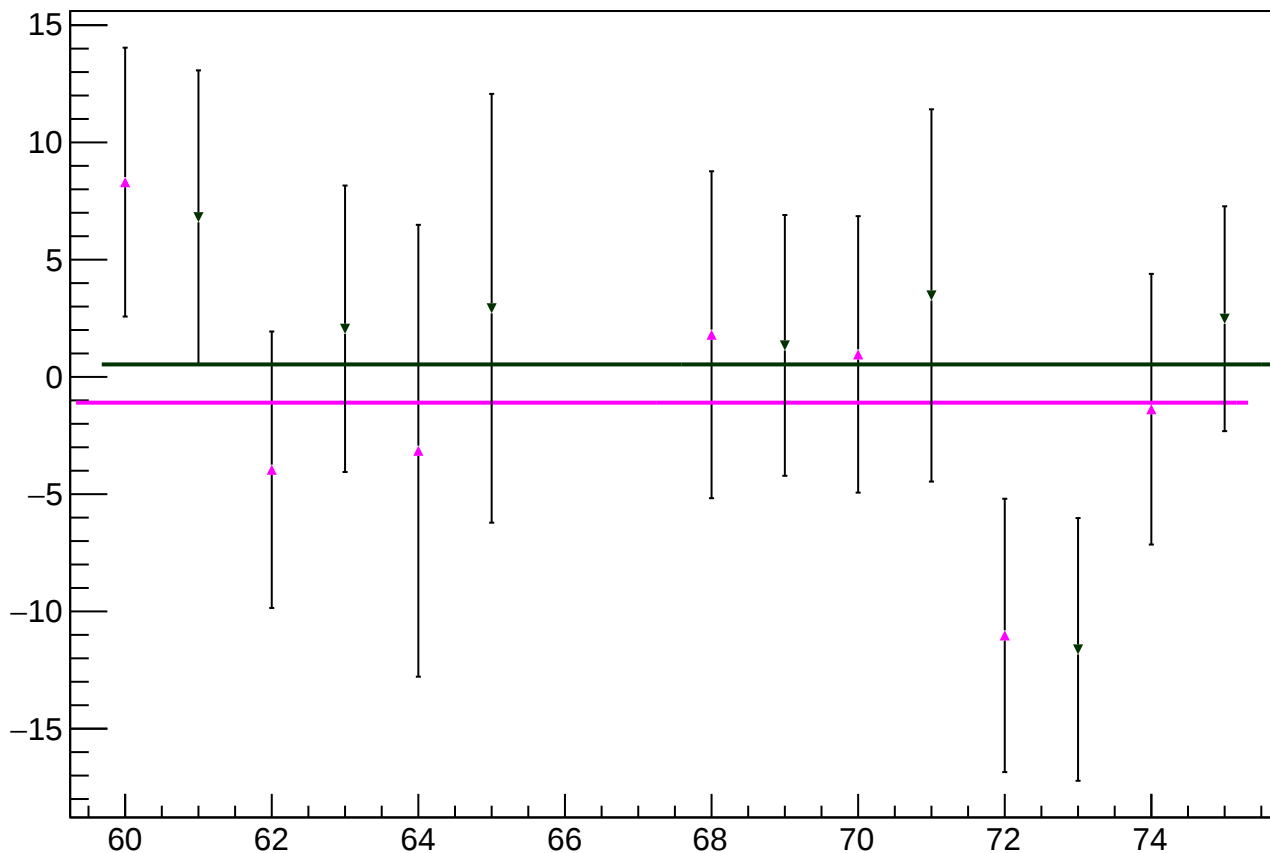
2893.948+/-1.186  $\chi^2/\text{NDF}$ : 80597.5/6

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

2971.024+/-1.165  $\chi^2/\text{NDF}$ : 69239.7/6

Left In: 2971.024+/-1.165  $\chi^2/\text{NDF}$ : 69239.7/6

# diff\_bpm16X\_mean vs slug



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

Left Out: 0.533+/-2.307     $\chi^2/\text{NDF}$ : 6.2/6

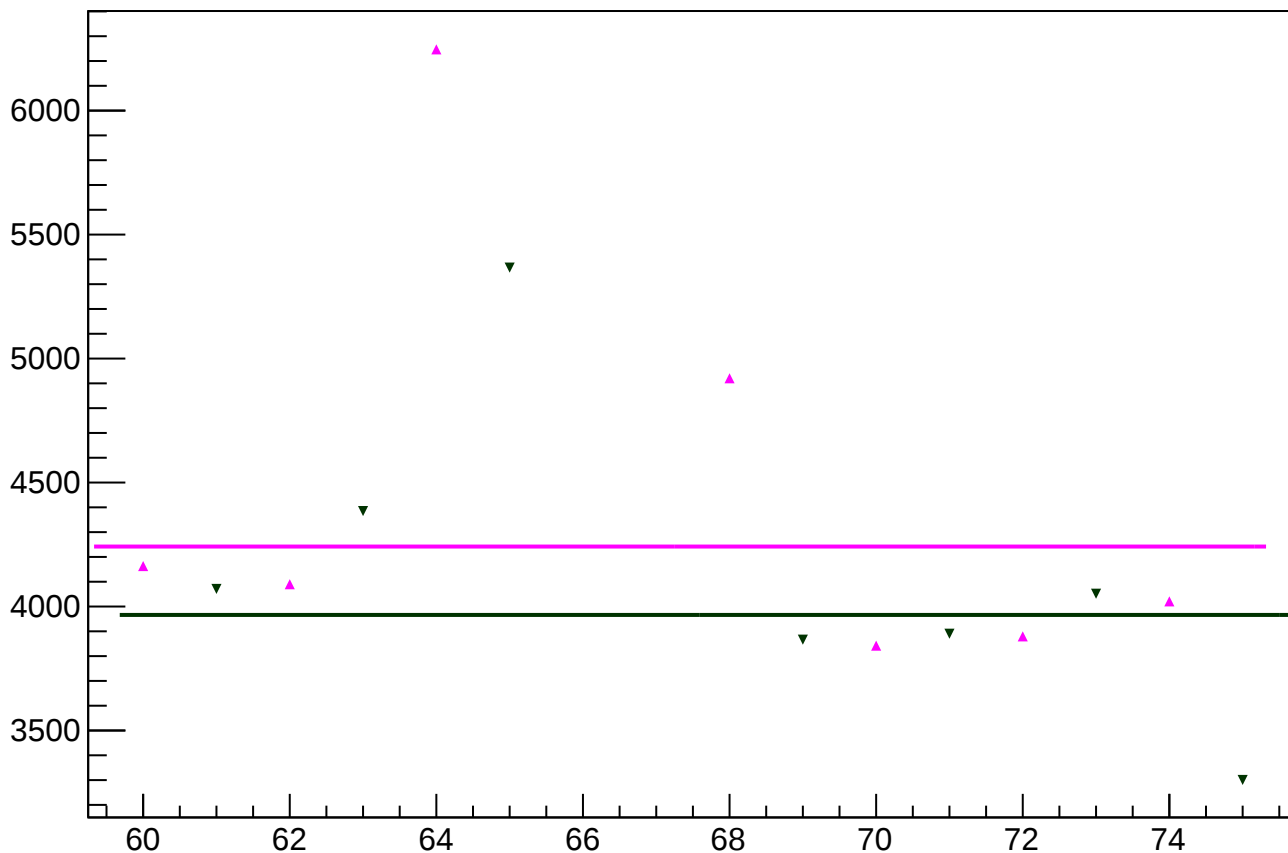
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.098+/-2.365     $\chi^2/\text{NDF}$ : 6.2/6

0.533+/-2.307     $\chi^2/\text{NDF}$ : 6.2/6

-1.098+/-2.365     $\chi^2/\text{NDF}$ : 6.2/6

# diff\_bpm16X\_rms vs slug



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

Left Out: 3966.102+/-1.631  $\chi^2/\text{NDF}$ : 96756.2/6

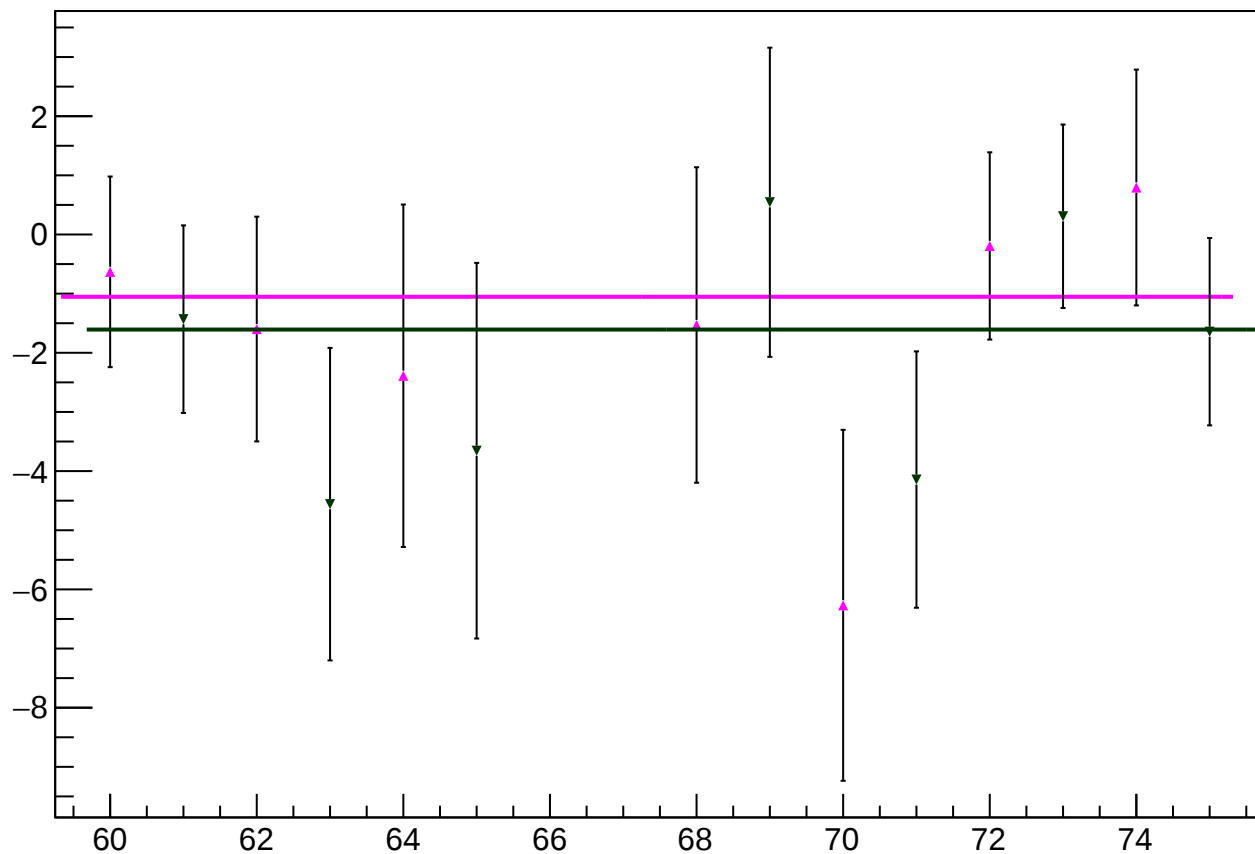
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 4241.888+/-1.672  $\chi^2/\text{NDF}$ : 127140.8/6

3966.102+/-1.631  $\chi^2/\text{NDF}$ : 96756.2/6

4241.888+/-1.672  $\chi^2/\text{NDF}$ : 127140.8/6

# diff\_bpm16Y\_mean vs slug



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

Left Out: -1.607+/-0.742  $\chi^2/\text{NDF}$ : 5.2/6

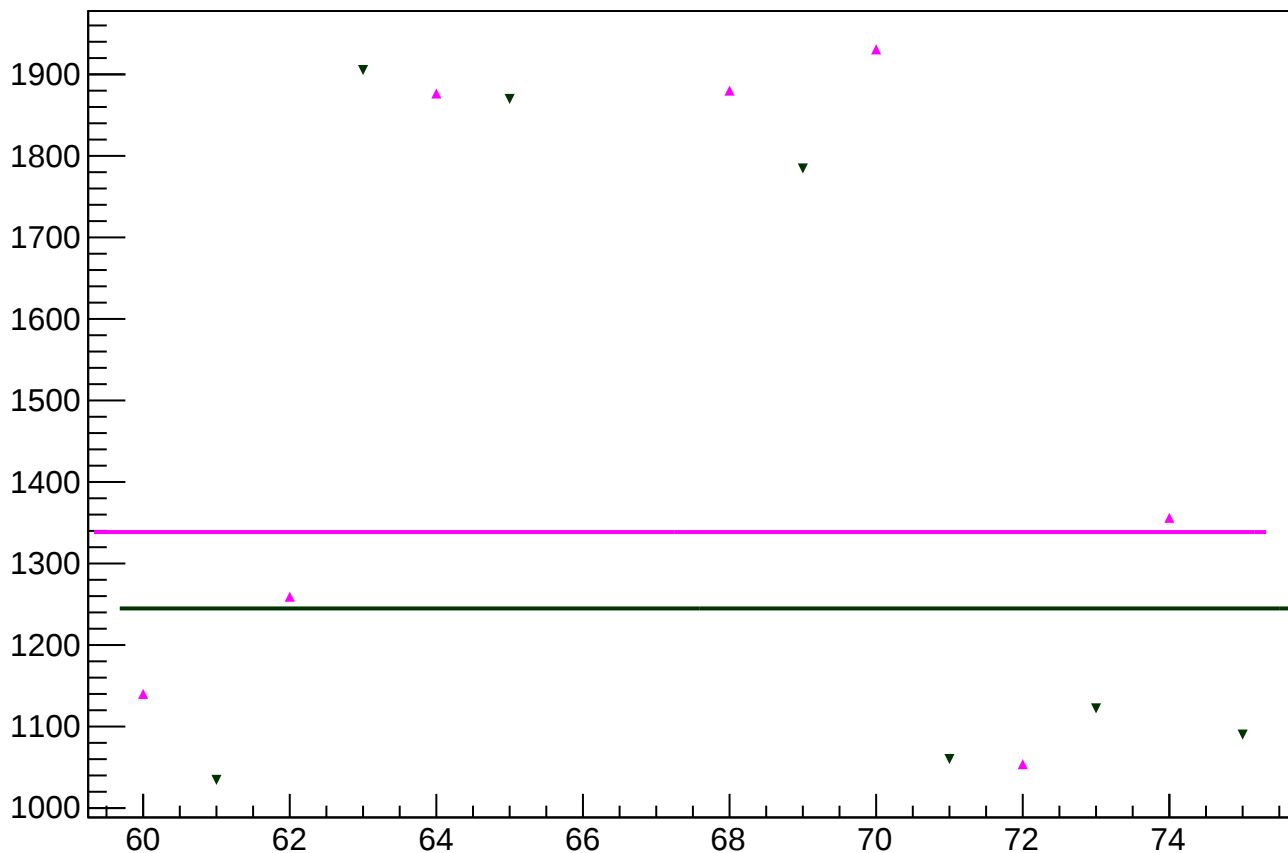
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.053+/-0.770  $\chi^2/\text{NDF}$ : 4.6/6

-1.607+/-0.742  $\chi^2/\text{NDF}$ : 5.2/6

-1.053+/-0.770  $\chi^2/\text{NDF}$ : 4.6/6

# diff\_bpm16Y\_rms vs slug



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

Left Out: 1244.878+/-0.525  $\chi^2/\text{NDF}$ : 369050.1/6

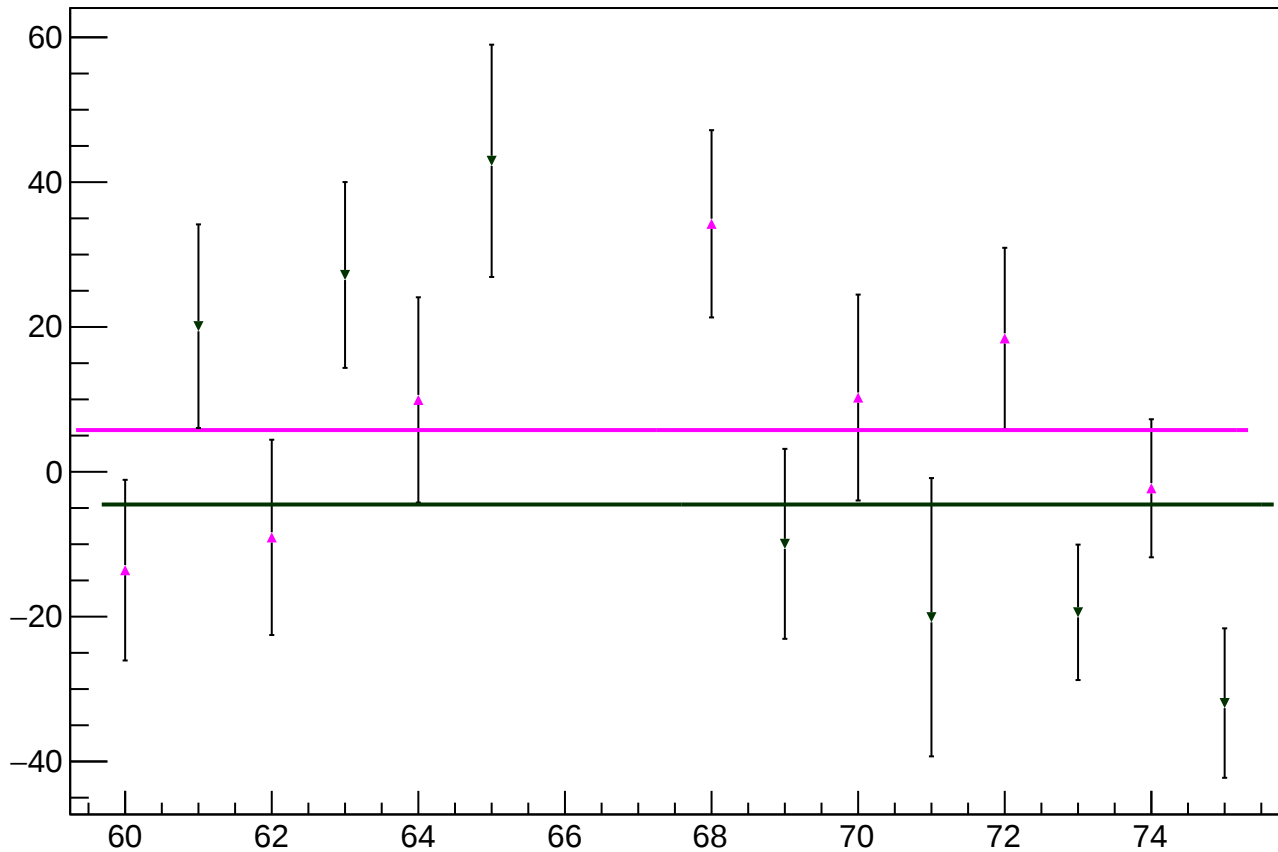
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1338.582+/-0.545  $\chi^2/\text{NDF}$ : 329875.2/6

1244.878+/-0.525  $\chi^2/\text{NDF}$ : 369050.1/6

1338.582+/-0.545  $\chi^2/\text{NDF}$ : 329875.2/6

# diff\_bpm0l01X\_mean vs slug



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

Left Out: -4.514+/-4.748  $\chi^2/\text{NDF}$ : 28.3/6

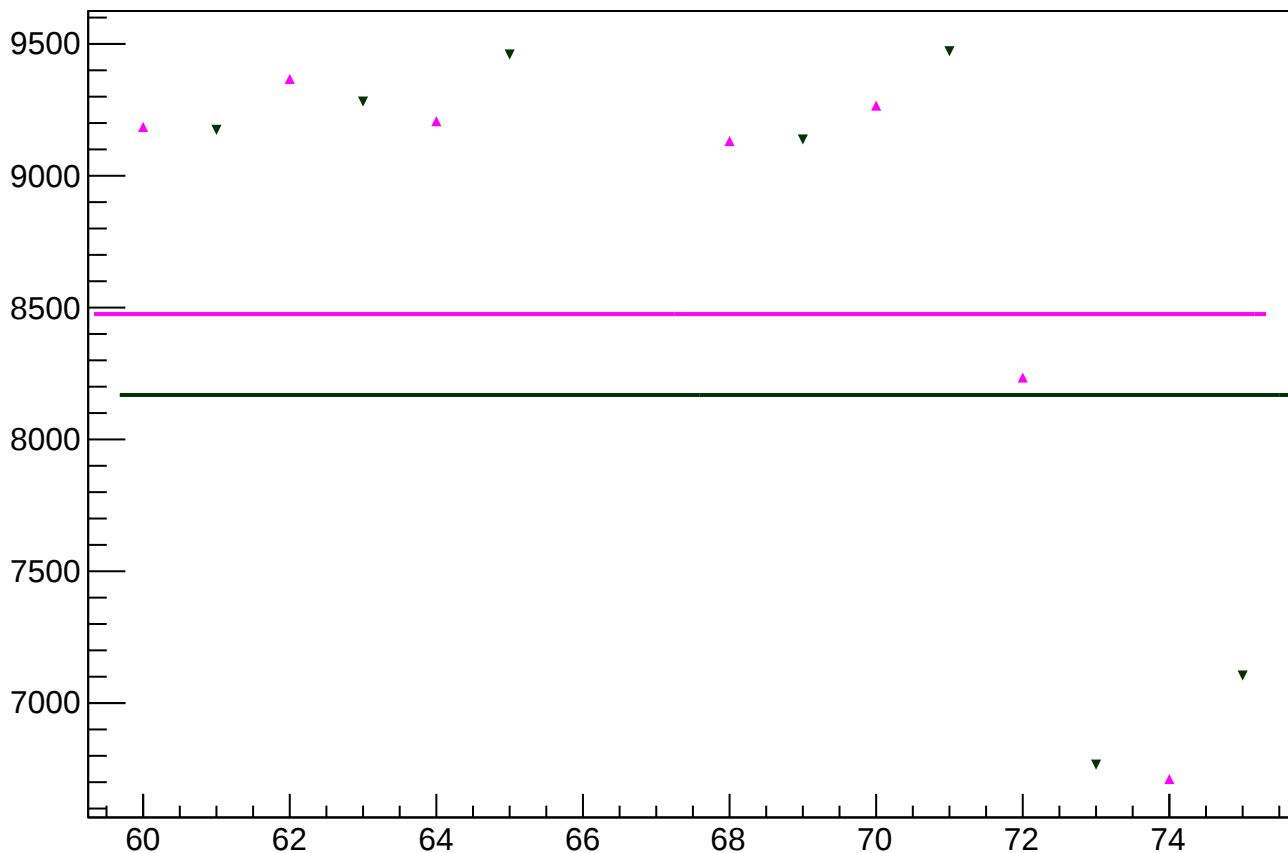
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5.763+/-4.702  $\chi^2/\text{NDF}$ : 10.4/6

-4.514+/-4.748  $\chi^2/\text{NDF}$ : 28.3/6

5.763+/-4.702  $\chi^2/\text{NDF}$ : 10.4/6

# diff\_bpm0l01X\_rms vs slug



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

Left Out: 8168.654+/-3.357  $\chi^2/\text{NDF}$ : 124592.3/6

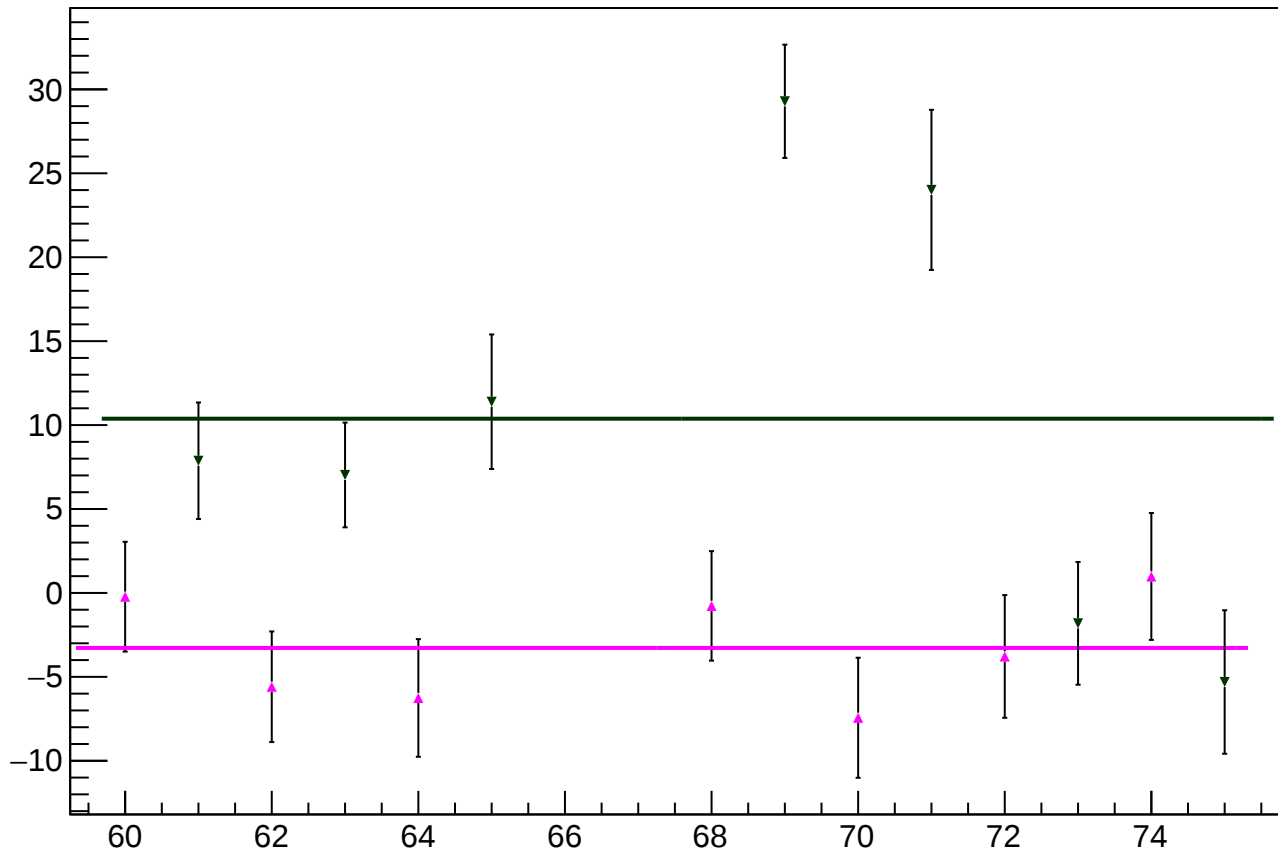
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 8475.559+/-3.325  $\chi^2/\text{NDF}$ : 101070.4/6

8168.654+/-3.357  $\chi^2/\text{NDF}$ : 124592.3/6

8475.559+/-3.325  $\chi^2/\text{NDF}$ : 101070.4/6

# diff\_bpm0l01Y\_mean vs slug



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

Left Out: 10.380+/-1.401  $\chi^2/\text{NDF}$ : 65.9/6

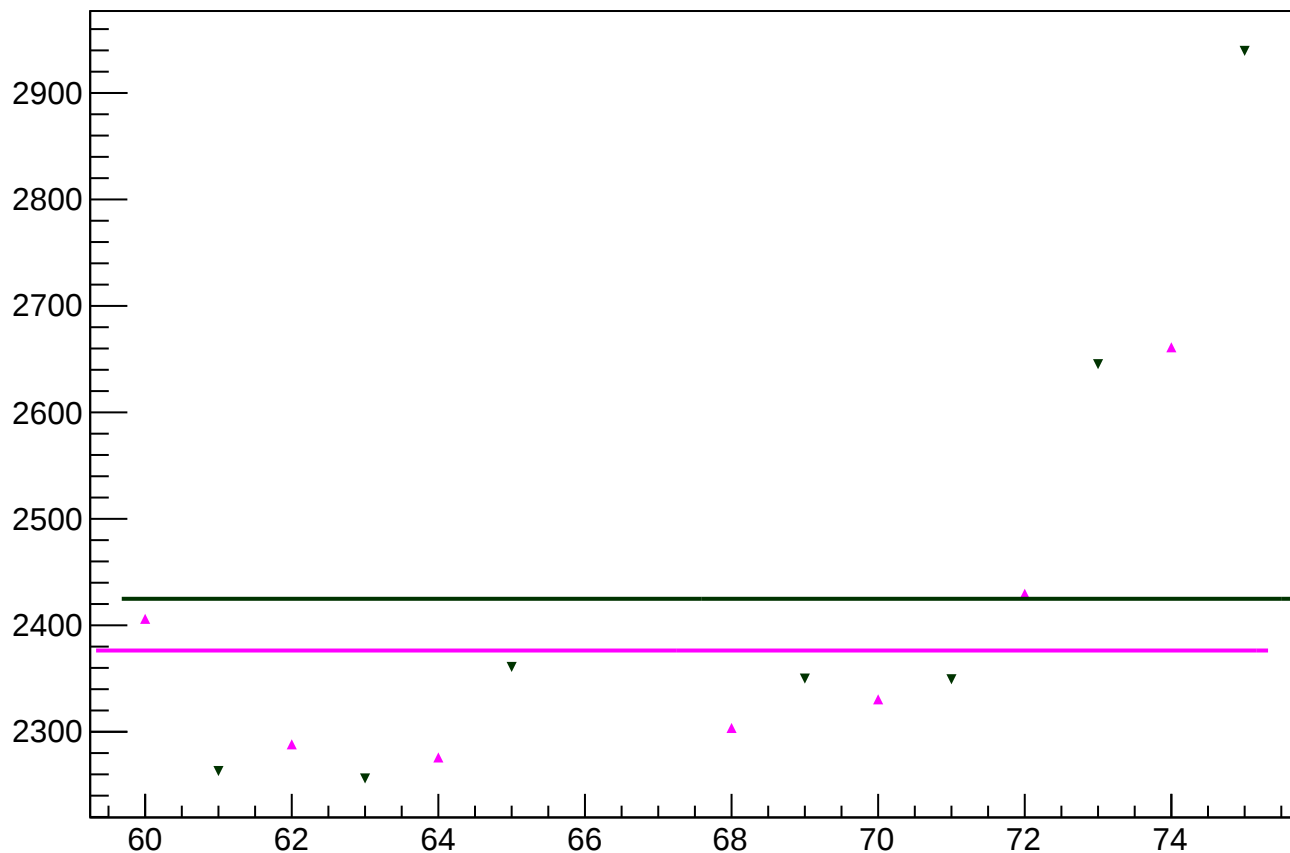
10.380+/-1.401  $\chi^2/\text{NDF}$ : 65.9/6

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

-3.277+/-1.309  $\chi^2/\text{NDF}$ : 5.3/6

Left In: -3.277+/-1.309  $\chi^2/\text{NDF}$ : 5.3/6

# diff\_bpm0l01Y\_rms vs slug



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

Left Out: 2424.908+/-0.991  $\chi^2/\text{NDF}$ : 48458.7/6

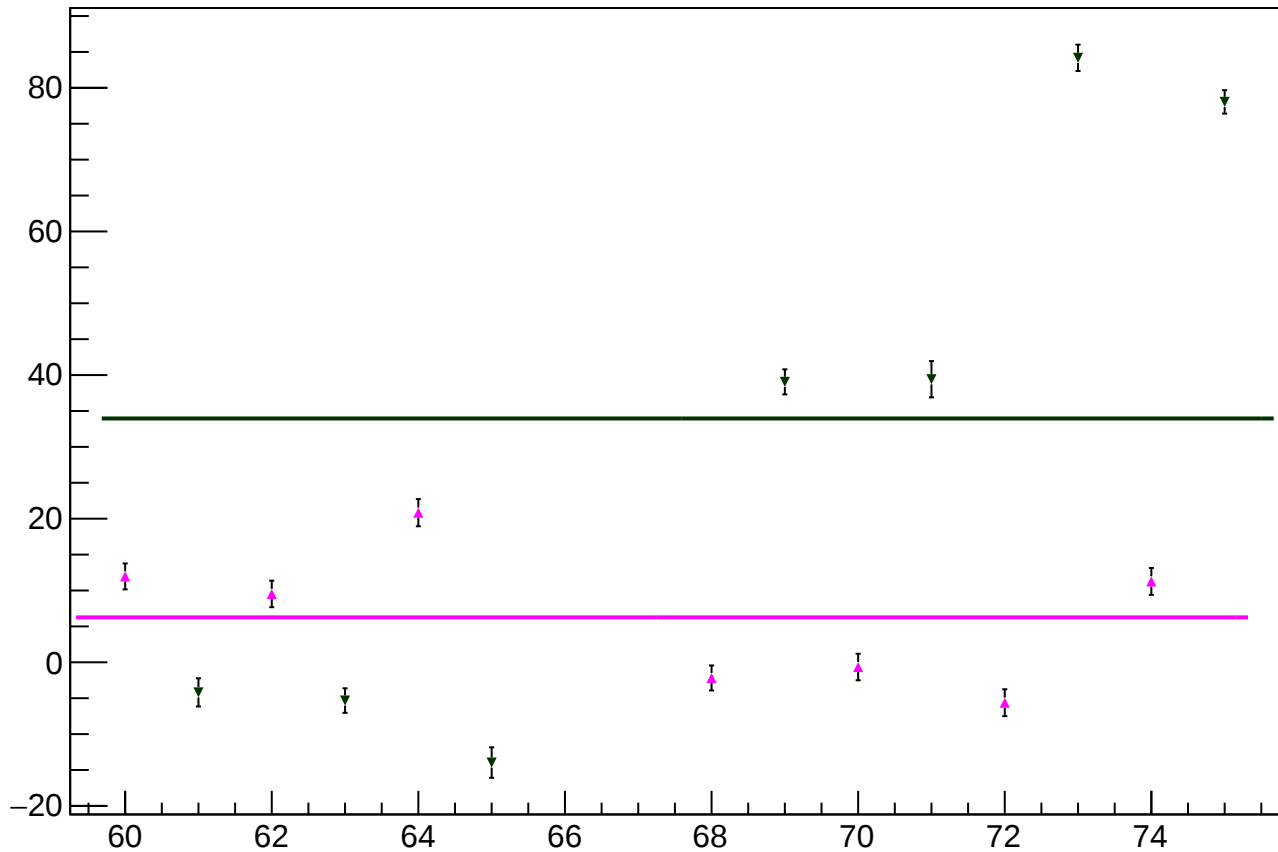
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2376.332+/-0.925  $\chi^2/\text{NDF}$ : 16341.5/6

2424.908+/-0.991  $\chi^2/\text{NDF}$ : 48458.7/6

2376.332+/-0.925  $\chi^2/\text{NDF}$ : 16341.5/6

# diff\_bpm2i01X\_mean vs slug



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

Left Out: 33.955+/-0.710  $\chi^2/\text{NDF}$ : 2909.4/6

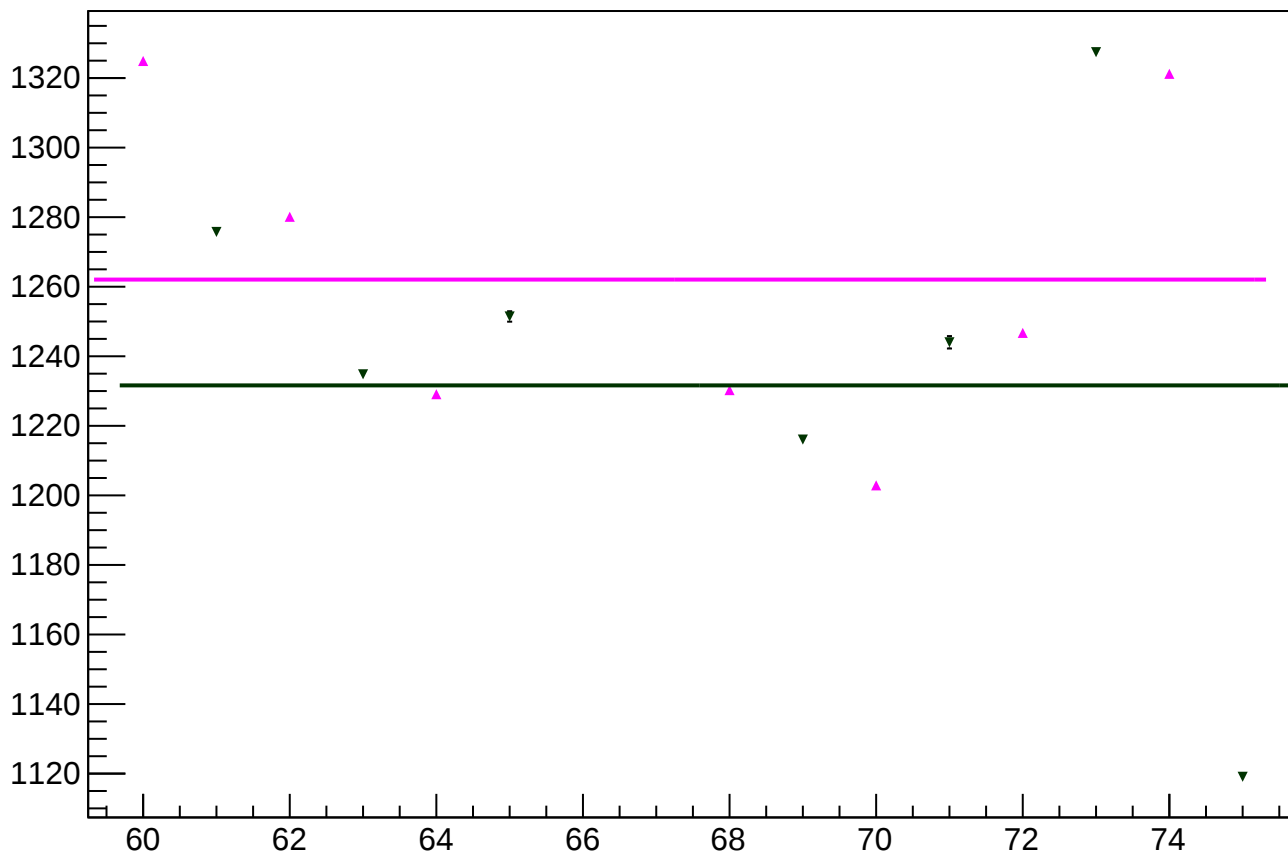
33.955+/-0.710  $\chi^2/\text{NDF}$ : 2909.4/6

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

6.260+/-0.695  $\chi^2/\text{NDF}$ : 157.3/6

Left In: 6.260+/-0.695  $\chi^2/\text{NDF}$ : 157.3/6

# diff\_bpm2i01X\_rms vs slug



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

Left Out: 1231.627+/-0.502  $\chi^2/\text{NDF}$ : 16367.5/6

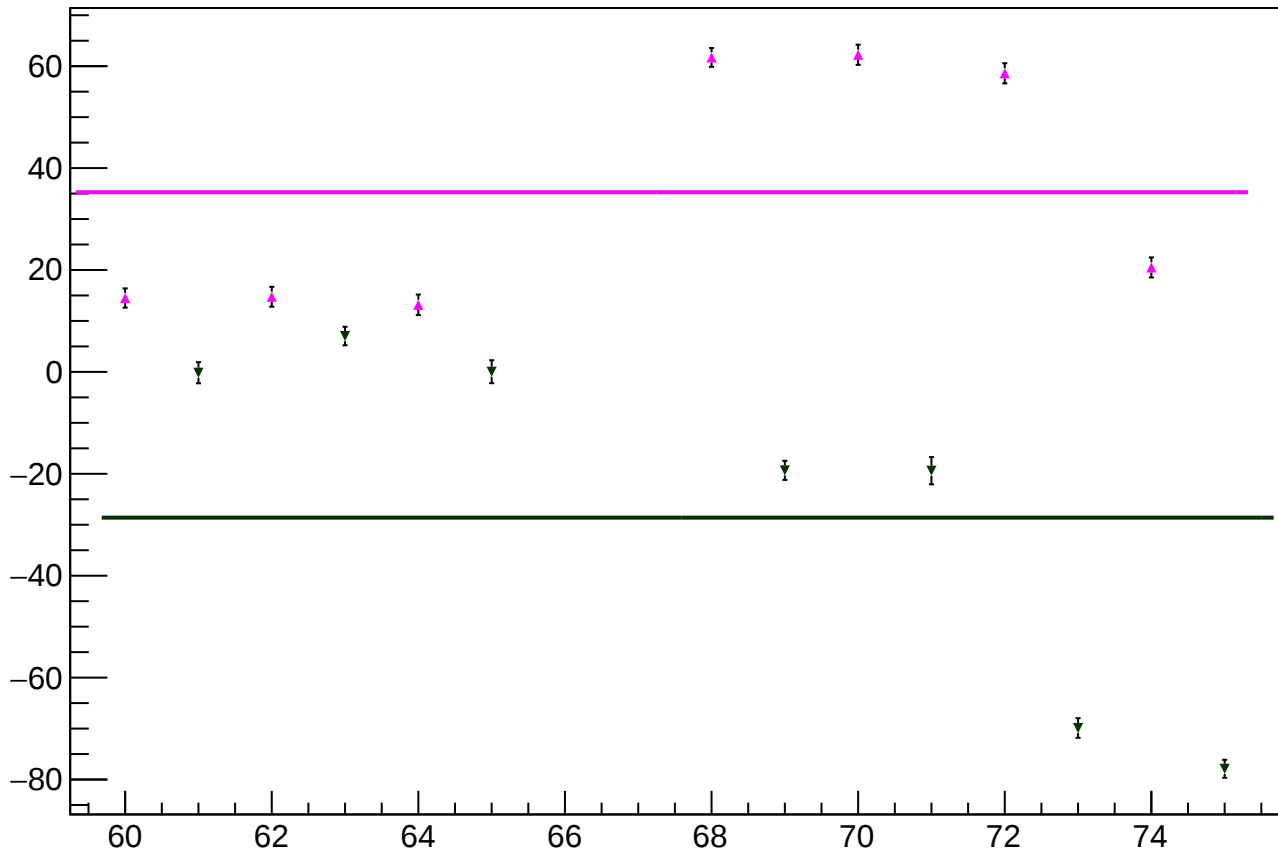
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1262.054+/-0.491  $\chi^2/\text{NDF}$ : 8061.6/6

1231.627+/-0.502  $\chi^2/\text{NDF}$ : 16367.5/6

1262.054+/-0.491  $\chi^2/\text{NDF}$ : 8061.6/6

# diff\_bpm2i01Y\_mean vs slug



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

Left Out: -28.603+/-0.757  $\chi^2/\text{NDF}$ : 2007.5/6

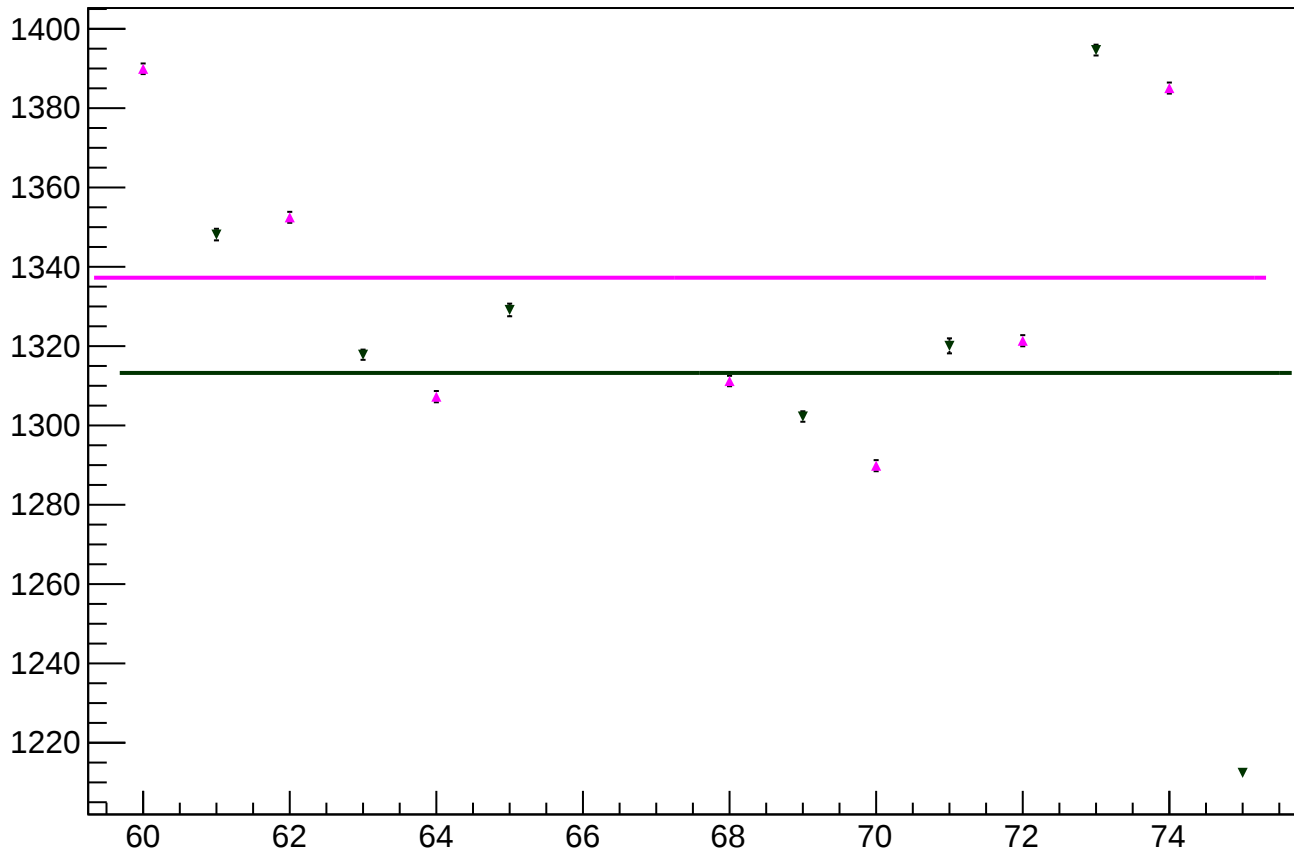
-28.603+/-0.757  $\chi^2/\text{NDF}$ : 2007.5/6

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

35.273+/-0.736  $\chi^2/\text{NDF}$ : 934.6/6

Left In: 35.273+/-0.736  $\chi^2/\text{NDF}$ : 934.6/6

# diff\_bpm2i01Y\_rms vs slug



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

Left Out: 1313.243+/-0.535  $\chi^2/\text{NDF}$ : 10854.3/6

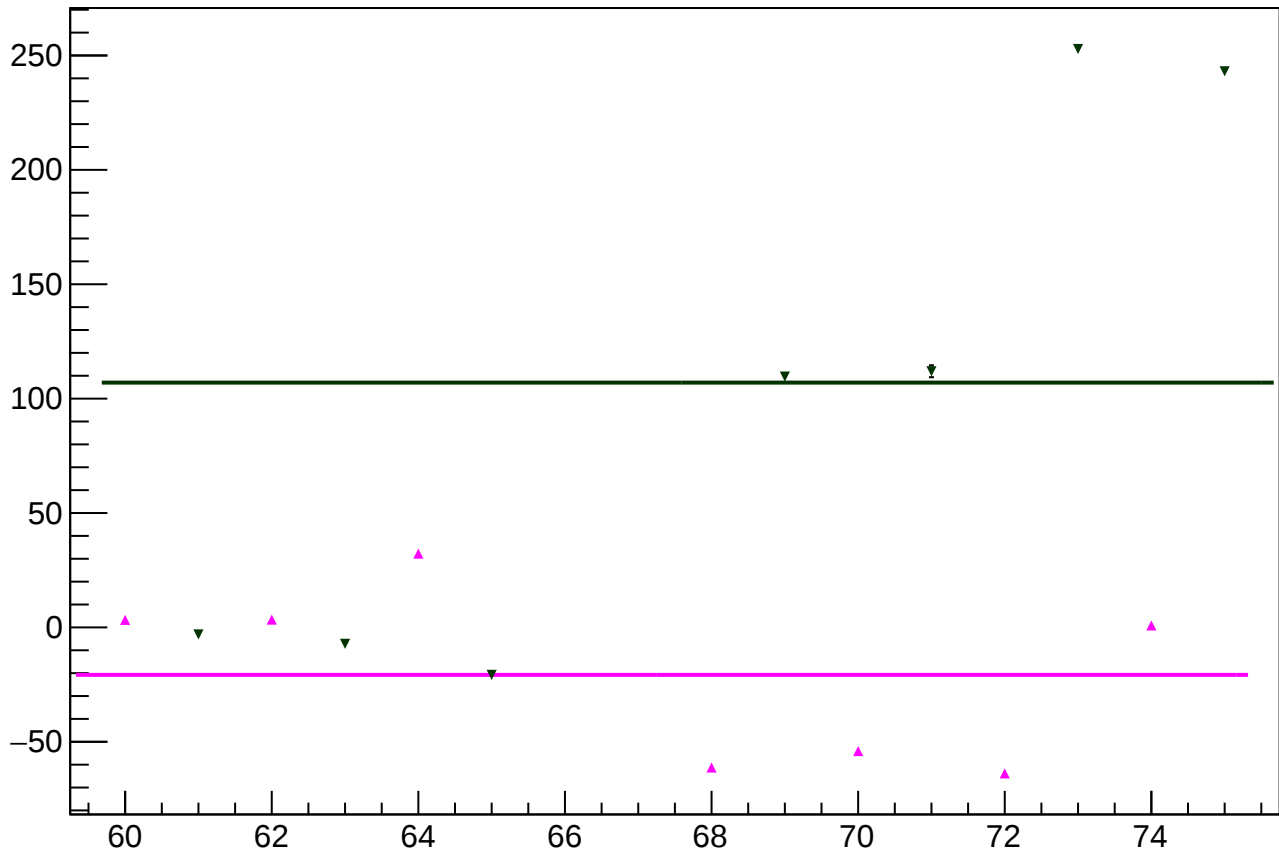
1313.243+/-0.535  $\chi^2/\text{NDF}$ : 10854.3/6

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

1337.251+/-0.520  $\chi^2/\text{NDF}$ : 4964.9/6

Left In: 1337.251+/-0.520  $\chi^2/\text{NDF}$ : 4964.9/6

# diff\_bpm2i02X\_mean vs slug



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

Left Out: 107.009+/-0.736  $\chi^2/\text{NDF}$ : 22859.5/6

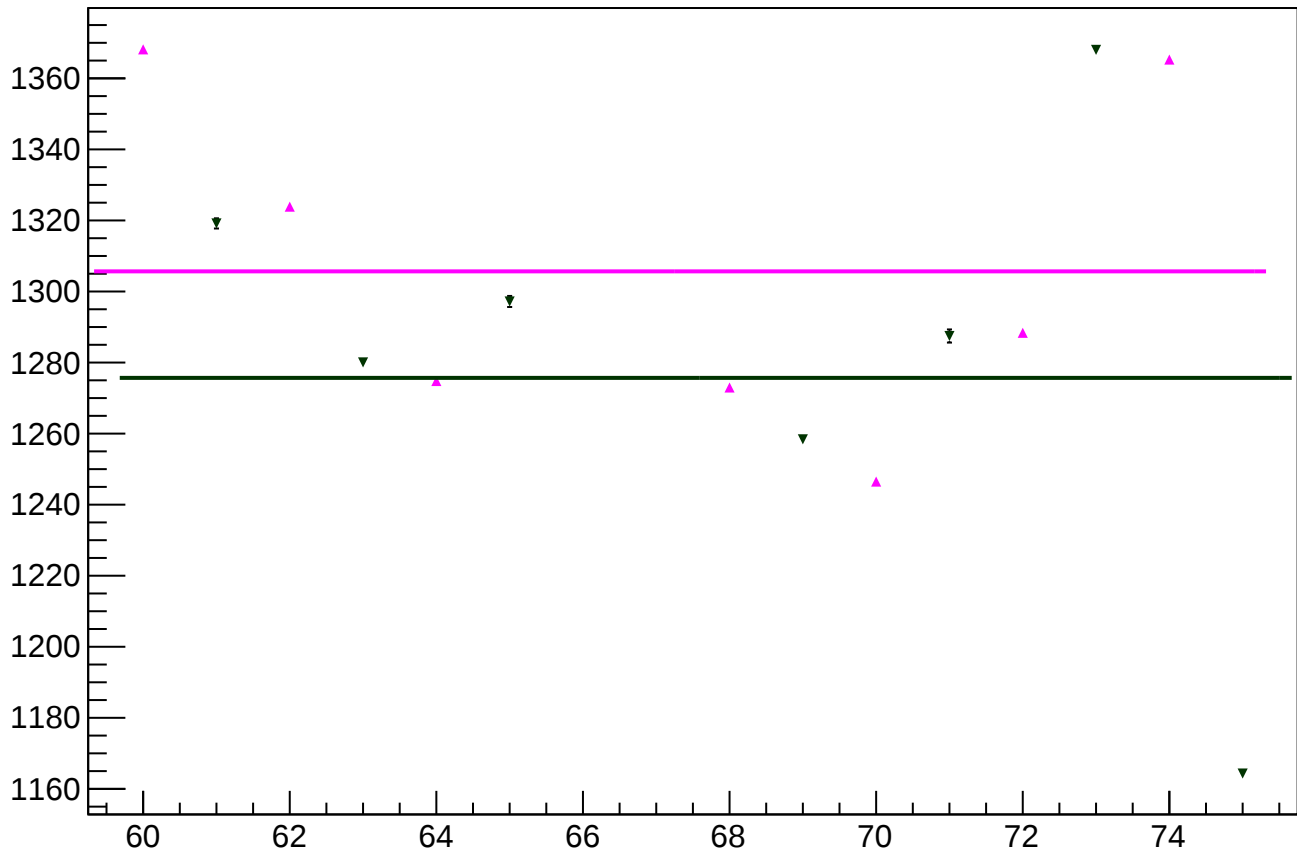
107.009+/-0.736  $\chi^2/\text{NDF}$ : 22859.5/6

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

-20.749+/-0.719  $\chi^2/\text{NDF}$ : 2481.7/6

Left In: -20.749+/-0.719  $\chi^2/\text{NDF}$ : 2481.7/6

# diff\_bpm2i02X\_rms vs slug



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

Left Out: 1275.687+/-0.520  $\chi^2/\text{NDF}$ : 14726.6/6

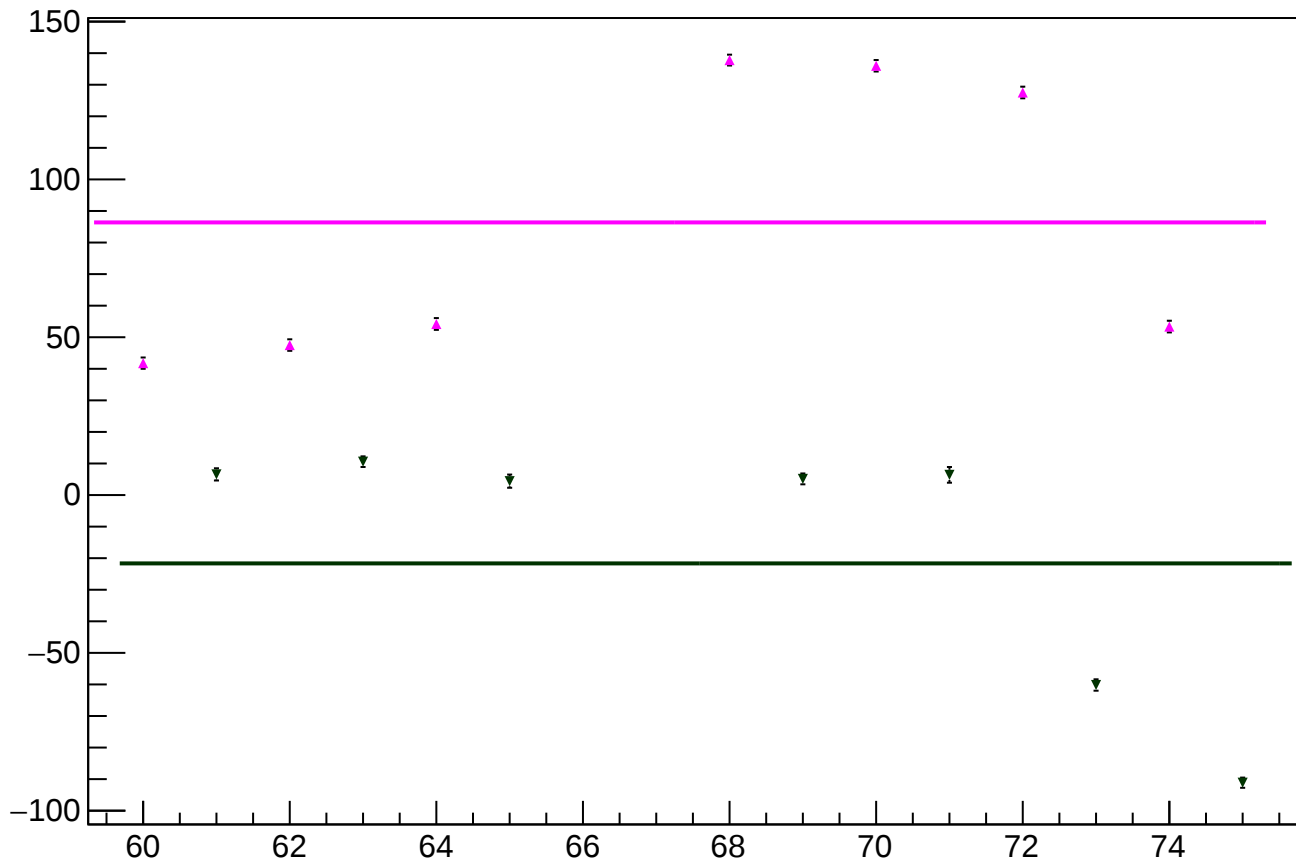
1275.687+/-0.520  $\chi^2/\text{NDF}$ : 14726.6/6

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

1305.669+/-0.508  $\chi^2/\text{NDF}$ : 7543.0/6

Left In: 1305.669+/-0.508  $\chi^2/\text{NDF}$ : 7543.0/6

# diff\_bpm2i02Y\_mean vs slug



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

Left Out: -21.655+/-0.701  $\chi^2/\text{NDF}$ : 3404.5/6

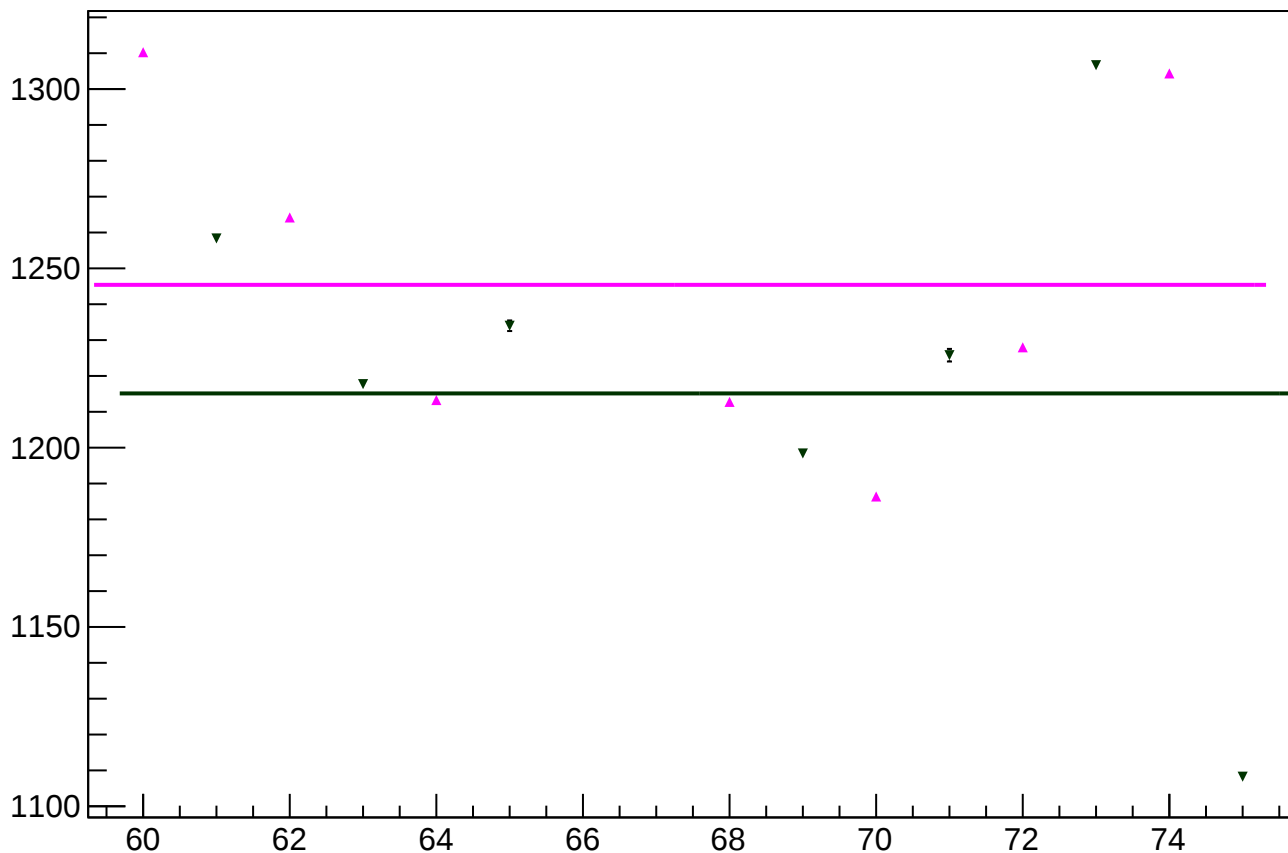
-21.655+/-0.701  $\chi^2/\text{NDF}$ : 3404.5/6

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

86.376+/-0.686  $\chi^2/\text{NDF}$ : 3826.3/6

Left In: 86.376+/-0.686  $\chi^2/\text{NDF}$ : 3826.3/6

# diff\_bpm2i02Y\_rms vs slug



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

Left Out: 1215.125+/-0.496  $\chi^2/\text{NDF}$ : 15270.9/6

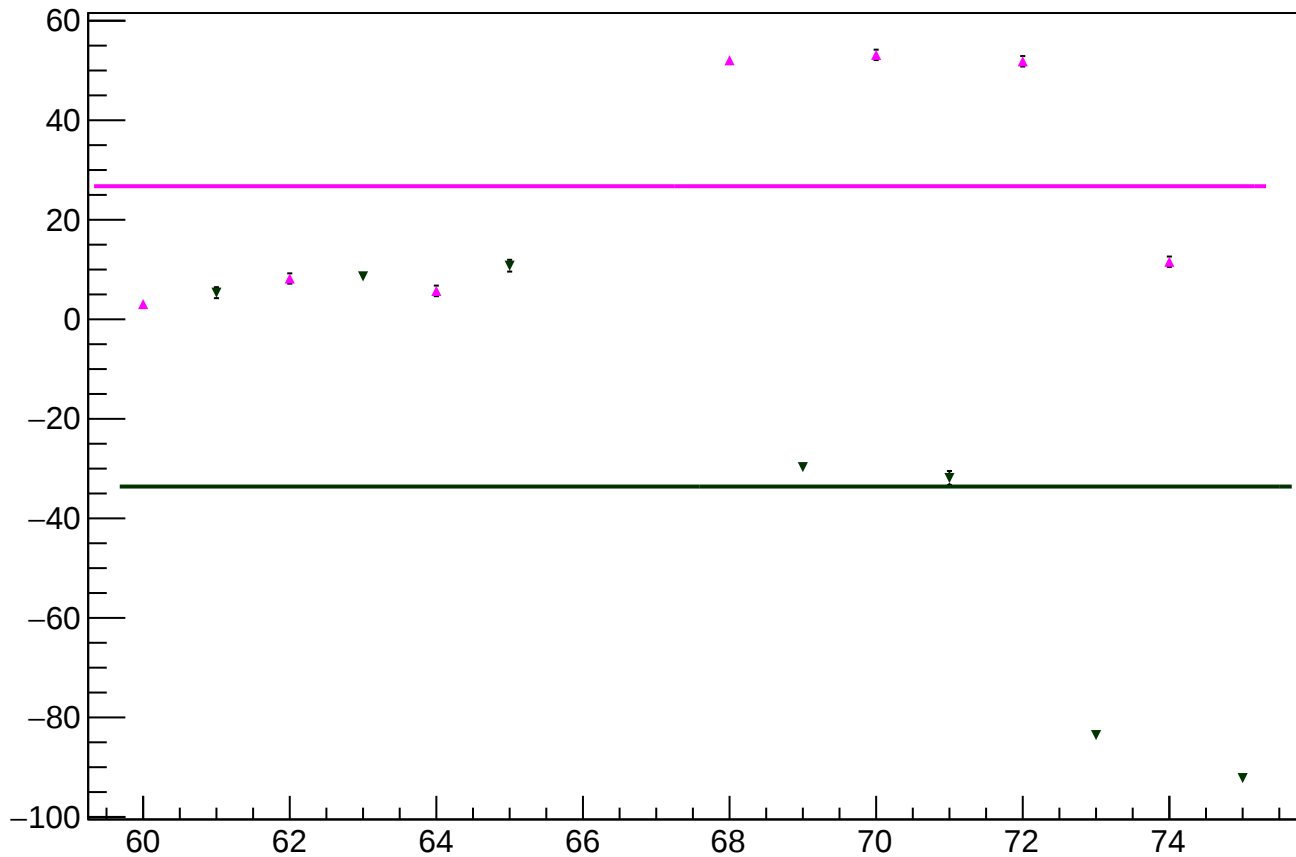
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1245.405+/-0.485  $\chi^2/\text{NDF}$ : 8467.3/6

1215.125+/-0.496  $\chi^2/\text{NDF}$ : 15270.9/6

1245.405+/-0.485  $\chi^2/\text{NDF}$ : 8467.3/6

# diff\_bpm1i04X\_mean vs slug



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

Left Out: -33.606+/-0.400  $\chi^2/\text{NDF}$ : 10873.8/6

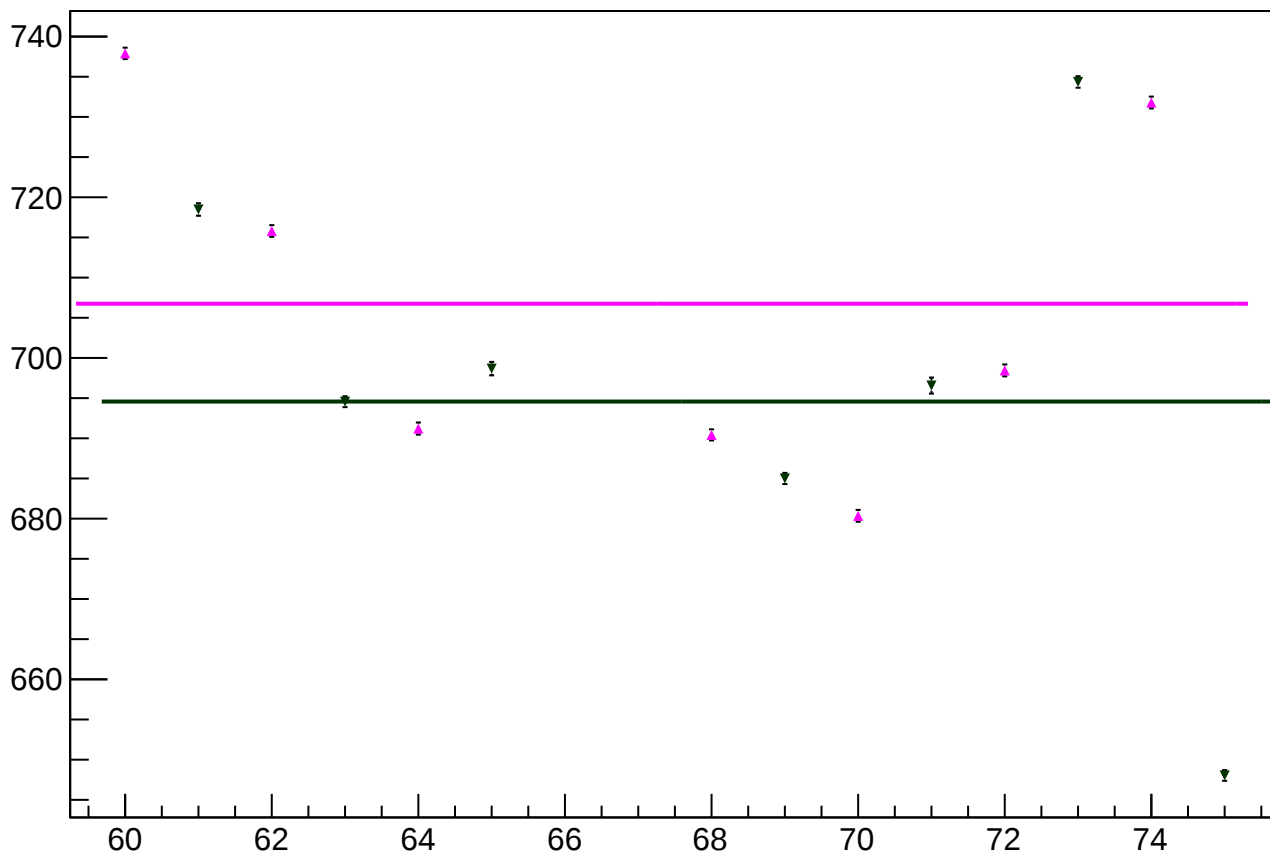
-33.606+/-0.400  $\chi^2/\text{NDF}$ : 10873.8/6

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

Left In: 26.745+/-0.389  $\chi^2/\text{NDF}$ : 3362.9/6

26.745+/-0.389  $\chi^2/\text{NDF}$ : 3362.9/6

# diff\_bpm1i04X\_rms vs slug



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

Left Out: 694.575+/-0.283  $\chi^2/\text{NDF}$ : 9088.6/6

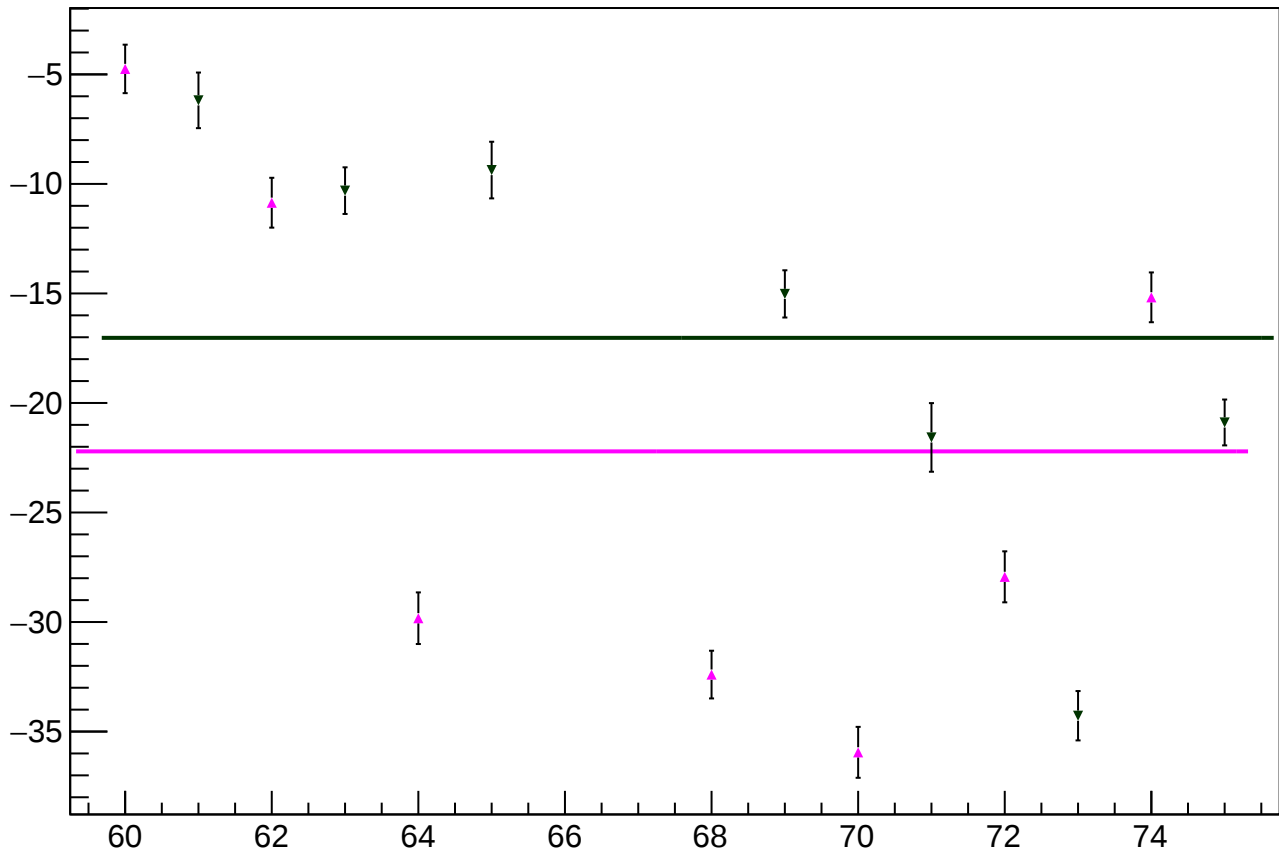
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 706.752+/-0.275  $\chi^2/\text{NDF}$ : 5625.0/6

694.575+/-0.283  $\chi^2/\text{NDF}$ : 9088.6/6

706.752+/-0.275  $\chi^2/\text{NDF}$ : 5625.0/6

# diff\_bpm1i04Y\_mean vs slug



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

Left Out: -17.027+/-0.444  $\chi^2/\text{NDF}$ : 407.8/6

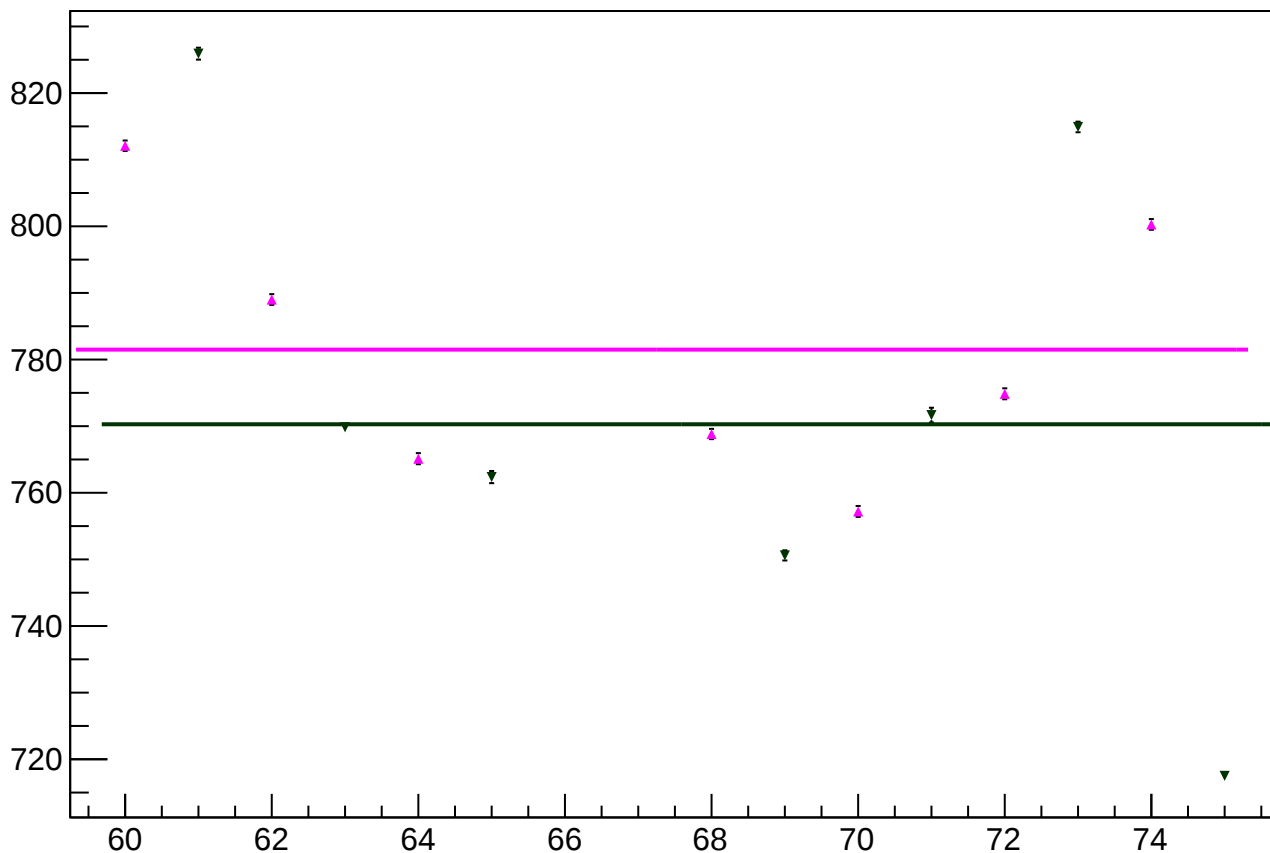
-17.027+/-0.444  $\chi^2/\text{NDF}$ : 407.8/6

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

-22.210+/-0.430  $\chi^2/\text{NDF}$ : 679.9/6

Left In: -22.210+/-0.430  $\chi^2/\text{NDF}$ : 679.9/6

# diff\_bpm1i04Y\_rms vs slug



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

Left Out: 770.284+/-0.314  $\chi^2/\text{NDF}$ :12810.0/6

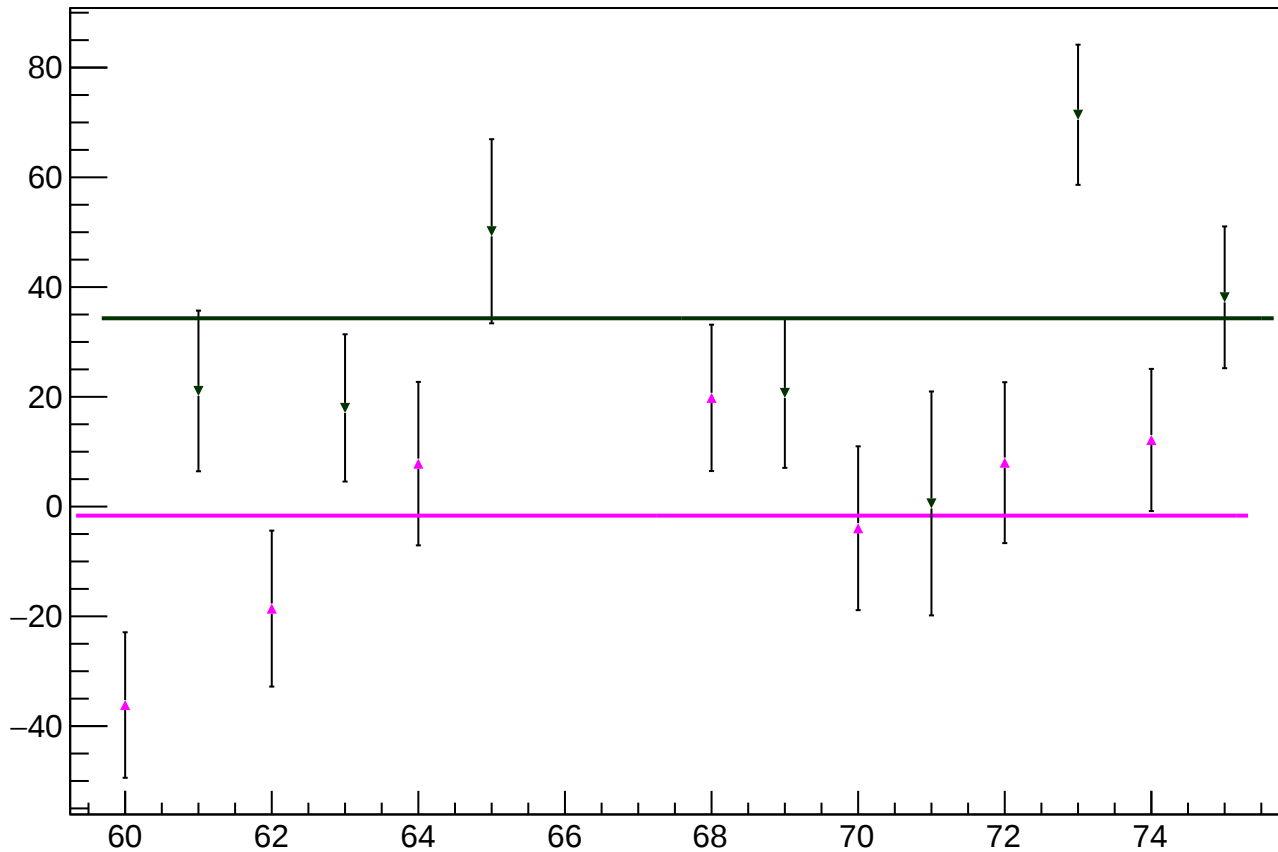
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 781.491+/-0.304  $\chi^2/\text{NDF}$ :3758.5/6

770.284+/-0.314  $\chi^2/\text{NDF}$ : 12810.0/6

781.491+/-0.304  $\chi^2/\text{NDF}$ : 3758.5/6

# diff\_bpm0l02X\_mean vs slug



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

Left Out: 34.315+/-5.450  $\chi^2/\text{NDF}$ : 15.4/6

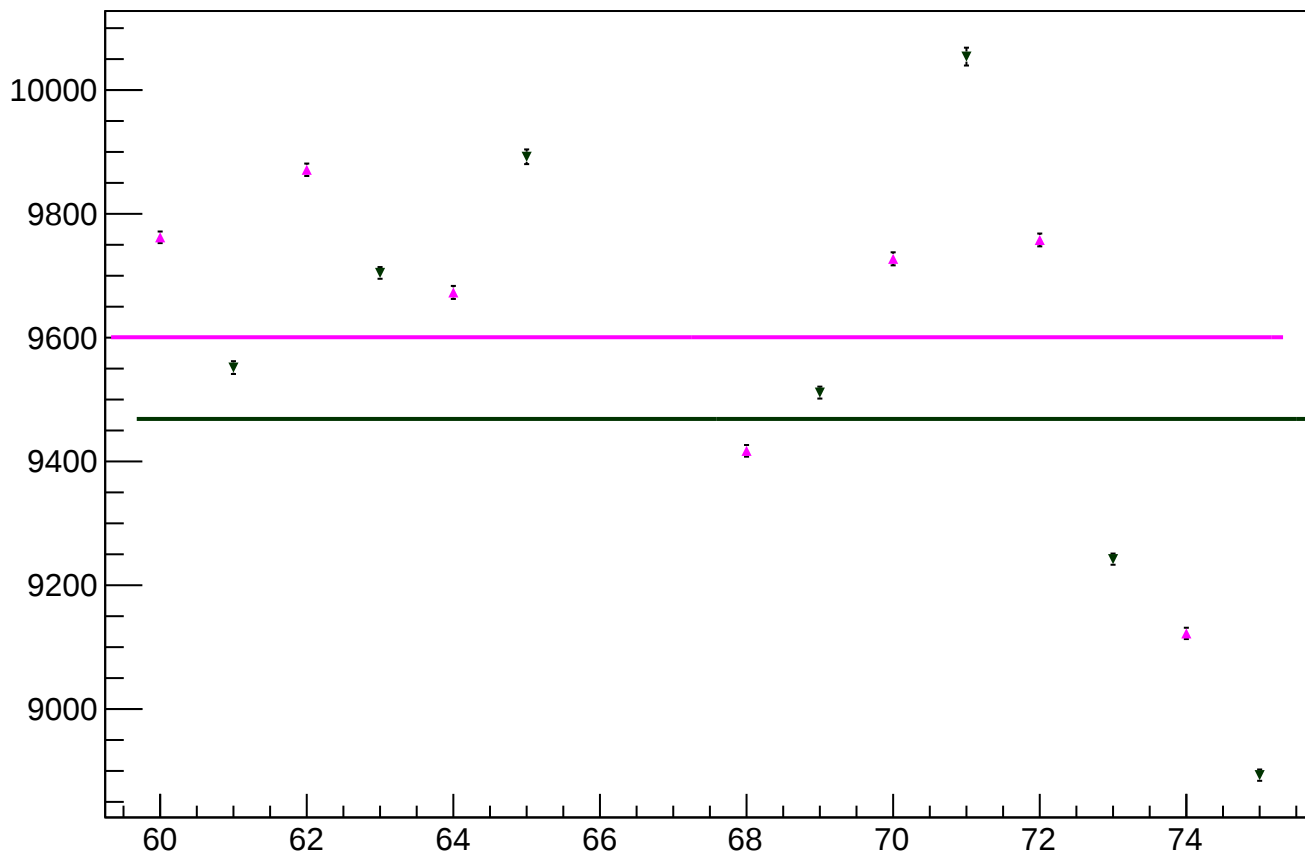
34.315+/-5.450  $\chi^2/\text{NDF}$ : 15.4/6

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

-1.648+/-5.280  $\chi^2/\text{NDF}$ : 12.8/6

Left In: -1.648+/-5.280  $\chi^2/\text{NDF}$ : 12.8/6

# diff\_bpm0l02X\_rms vs slug



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

Left Out: 9468.669+/-3.854  $\chi^2/\text{NDF}$ : 8220.7/6

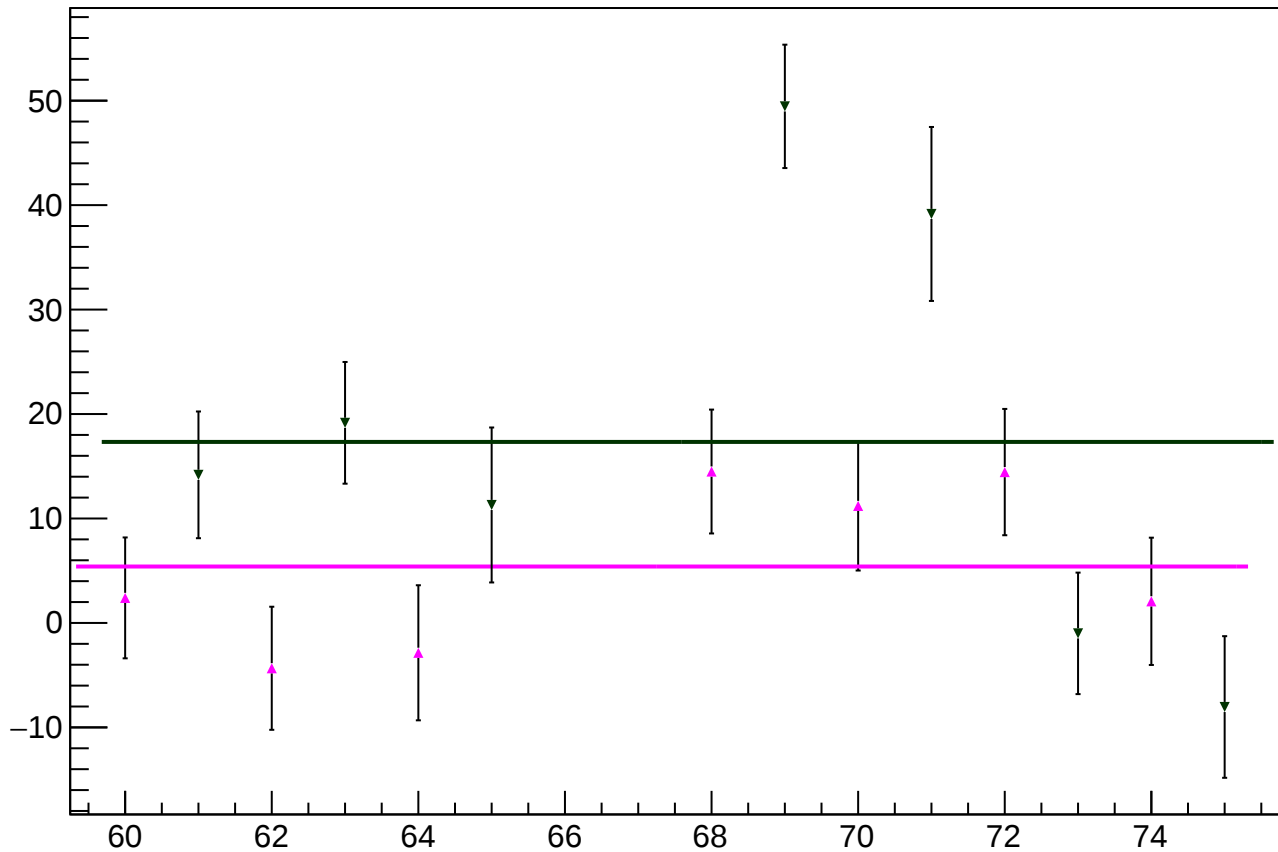
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 9600.645+/-3.734  $\chi^2/\text{NDF}$ : 4550.3/6

9468.669+/-3.854  $\chi^2/\text{NDF}$ : 8220.7/6

9600.645+/-3.734  $\chi^2/\text{NDF}$ : 4550.3/6

diff\_bpm0l02Y\_mean vs slug



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

Left Out: 17.331+/-2.431  $\chi^2/\text{NDF}$ : 61.4/6

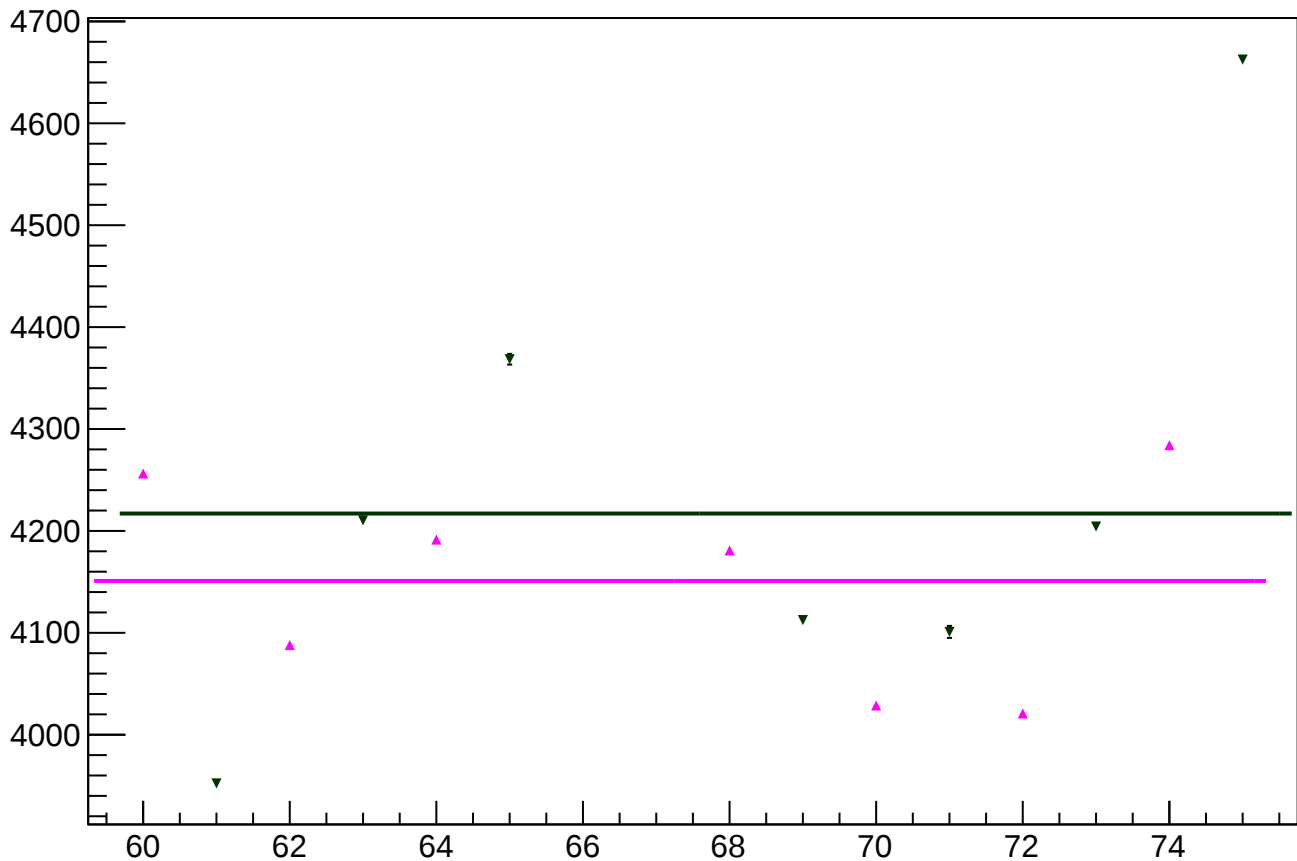
17.331+/-2.431  $\chi^2/\text{NDF}$ : 61.4/6

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

5.402+/-2.285  $\chi^2/\text{NDF}$ : 10.4/6

Left In: 5.402+/-2.285  $\chi^2/\text{NDF}$ : 10.4/6

# diff\_bpm0l02Y\_rms vs slug



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

Left Out: 4217.065+/-1.719  $\chi^2/\text{NDF}$ :14311.3/6

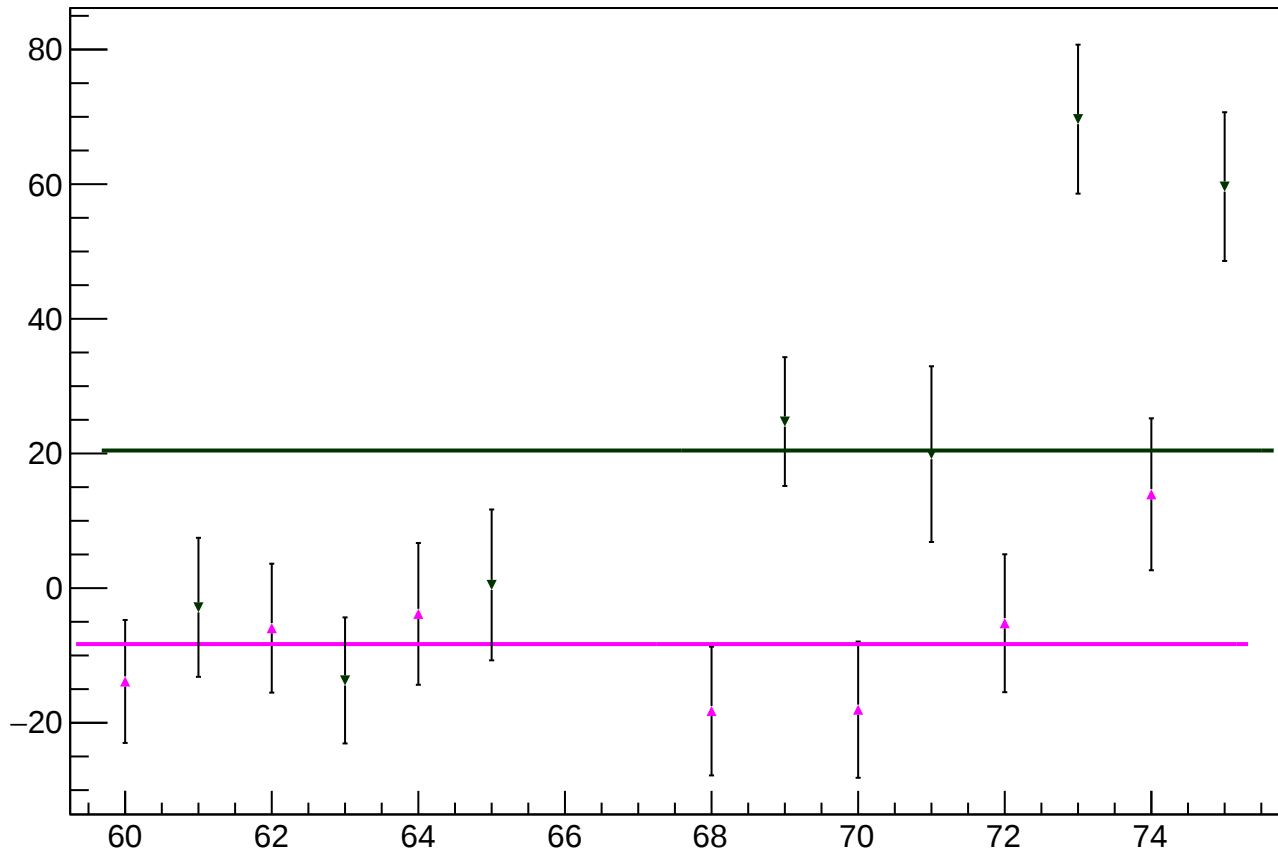
4217.065+/-1.719  $\chi^2/\text{NDF}$ : 14311.3/6

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

4150.922+/-1.616  $\chi^2/\text{NDF}$ : 3682.6/6

Left In: 4150.922+/-1.616  $\chi^2/\text{NDF}$ :3682.6/6

# diff\_bpm0l03X\_mean vs slug



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

Left Out: 20.440+/-4.018  $\chi^2/\text{NDF}$ : 54.2/6

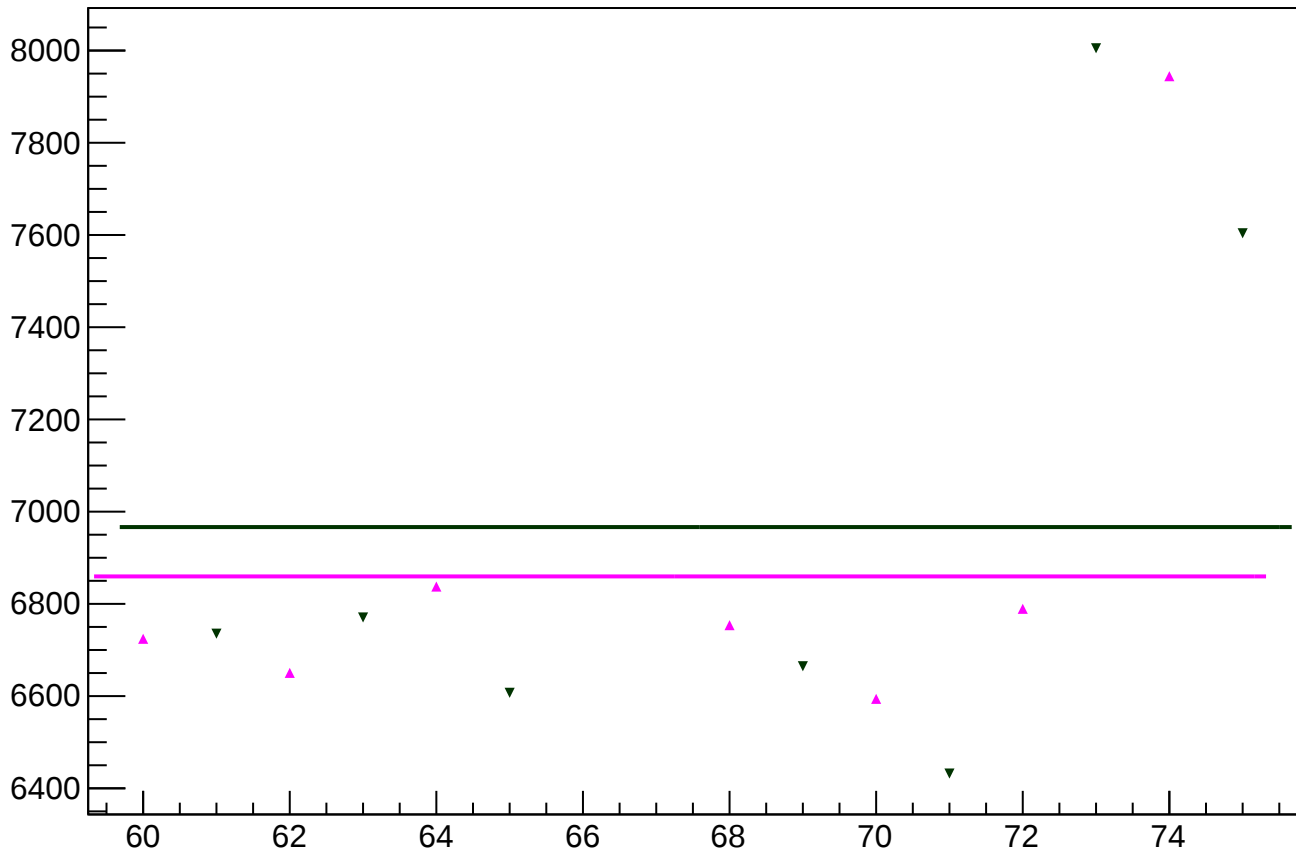
20.440+/-4.018  $\chi^2/\text{NDF}$ : 54.2/6

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

-8.308+/-3.779  $\chi^2/\text{NDF}$ : 6.6/6

Left In: -8.308+/-3.779  $\chi^2/\text{NDF}$ : 6.6/6

# diff\_bpm0l03X\_rms vs slug



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

Left Out: 6966.569+/-2.841  $\chi^2/\text{NDF}$ : 33563.0/6

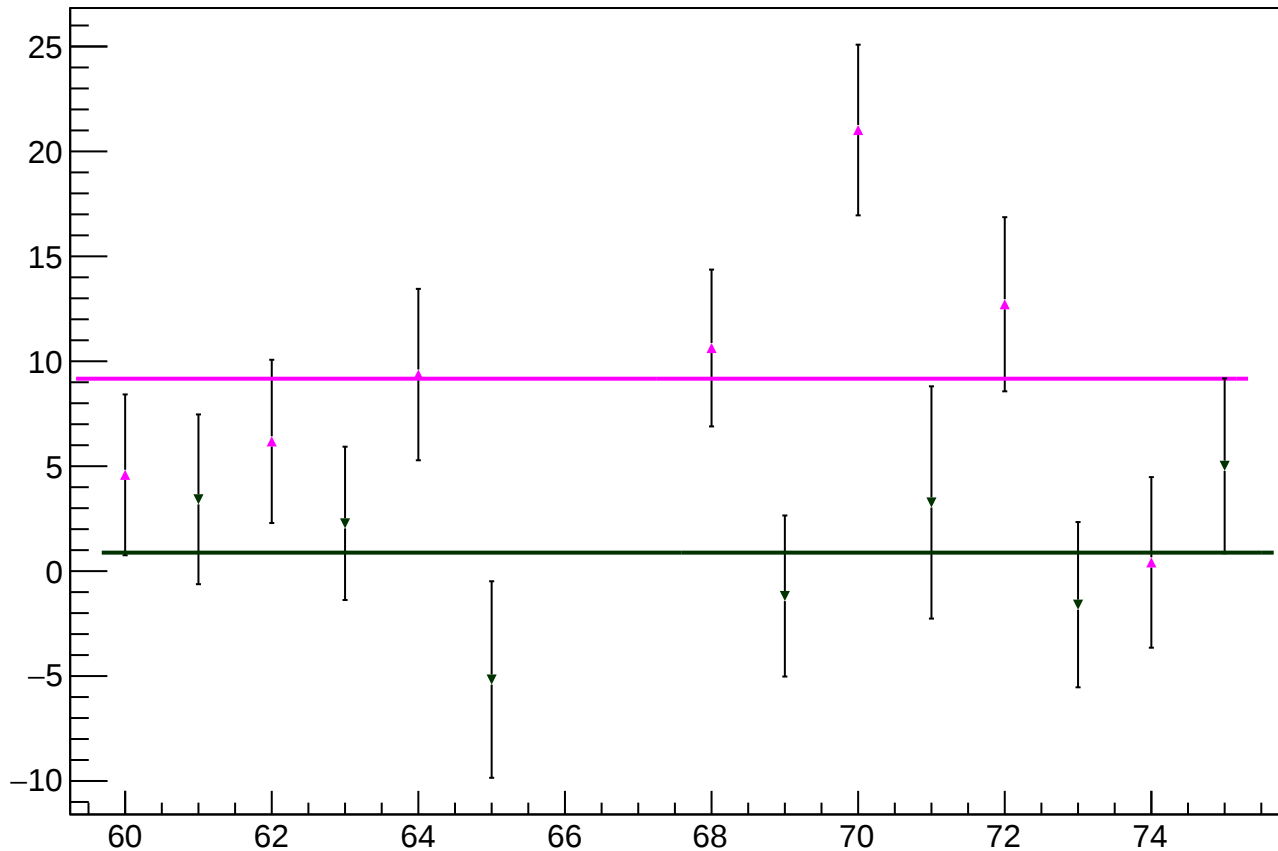
6966.569+/-2.841  $\chi^2/\text{NDF}$ : 33563.0/6

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

6859.552+/-2.672  $\chi^2/\text{NDF}$ : 21607.3/6

Left In: 6859.552+/-2.672  $\chi^2/\text{NDF}$ : 21607.3/6

diff\_bpm0l03Y\_mean vs slug



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

Left Out: 0.882 $\pm$ 1.573  $\chi^2$ /NDF: 4.1/6

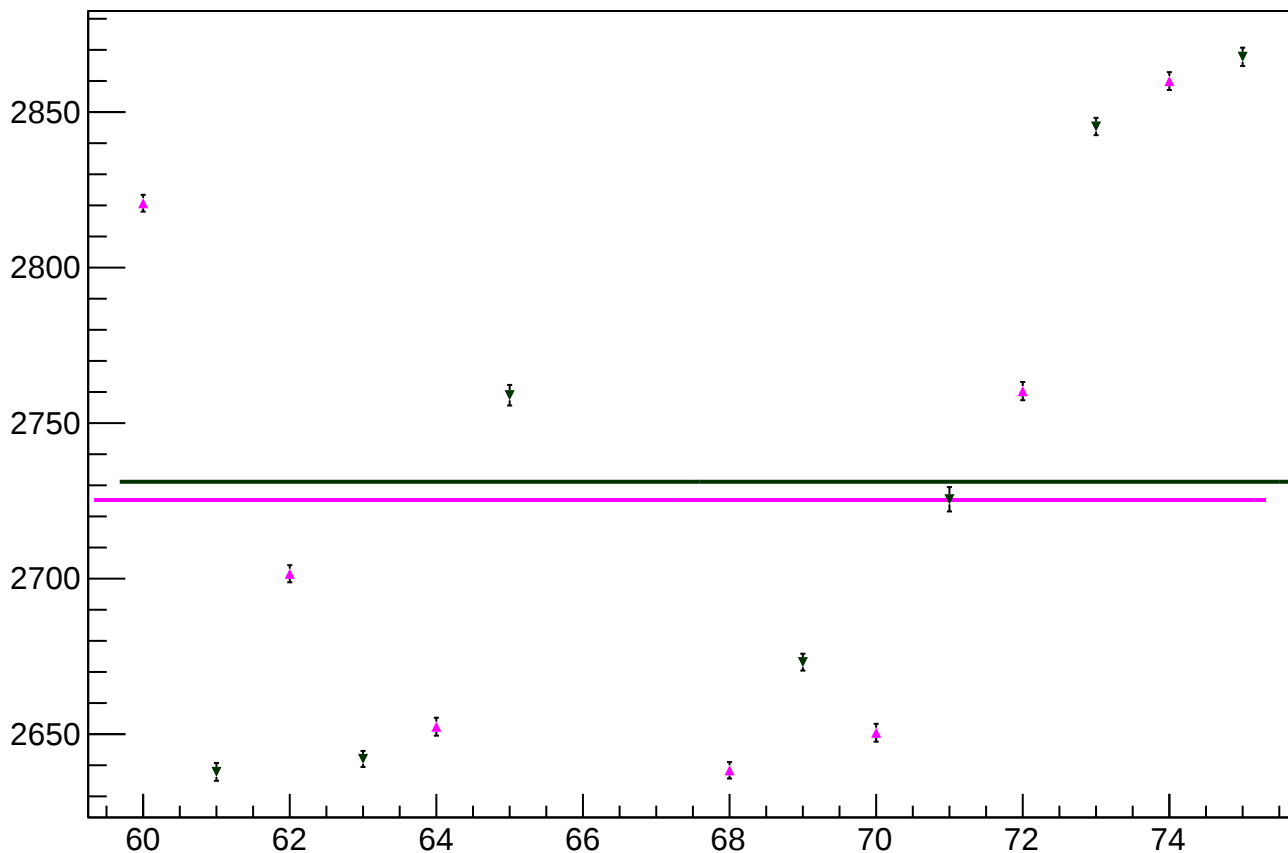
0.882 $\pm$ 1.573  $\chi^2$ /NDF: 4.1/6

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

Left In: 9.169 $\pm$ 1.499  $\chi^2$ /NDF: 16.0/6

9.169 $\pm$ 1.499  $\chi^2$ /NDF: 16.0/6

# diff\_bpm0l03Y\_rms vs slug



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

Left Out: 2731.146+/-1.112  $\chi^2/\text{NDF}$ : 6616.8/6

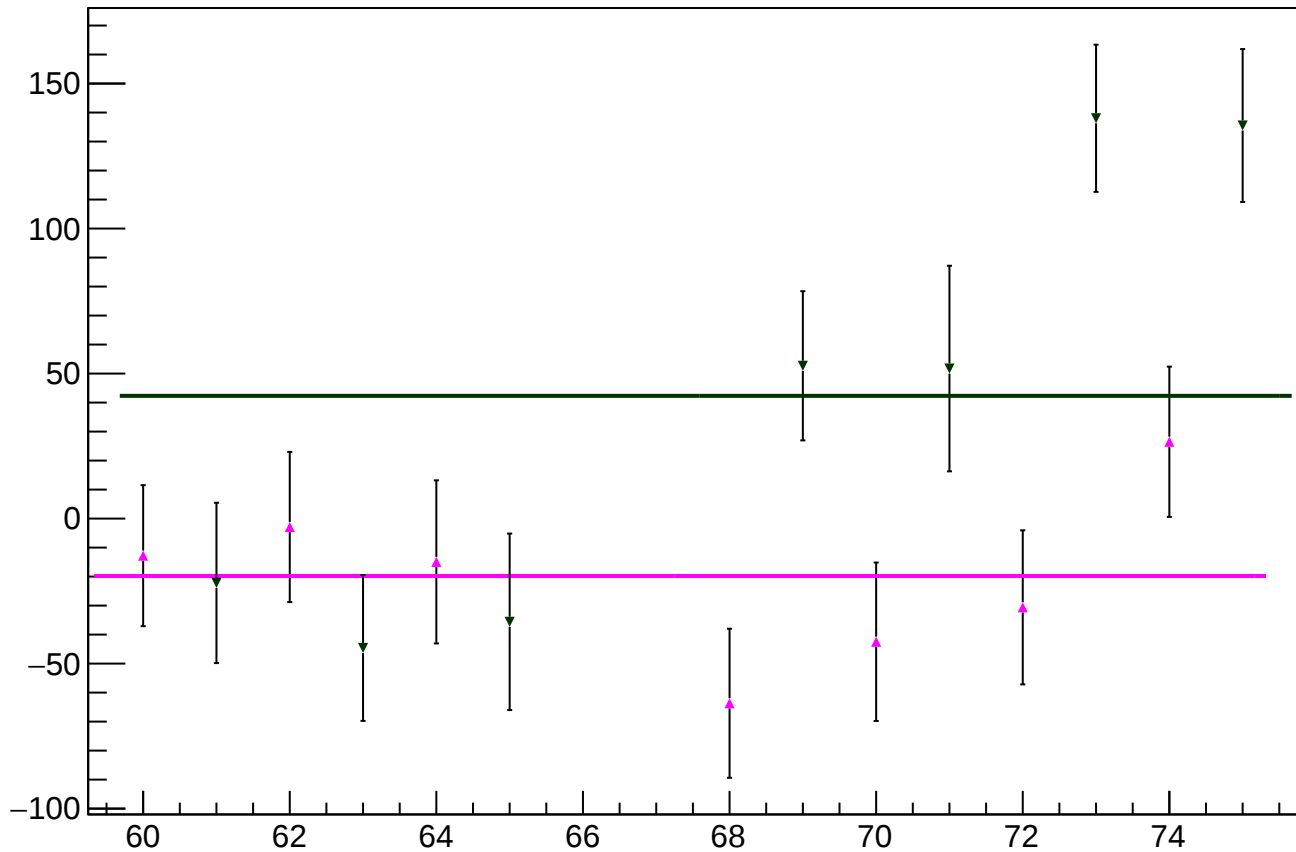
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2725.280+/-1.060  $\chi^2/\text{NDF}$ : 6049.2/6

2731.146+/-1.112  $\chi^2/\text{NDF}$ : 6616.8/6

2725.280+/-1.060  $\chi^2/\text{NDF}$ : 6049.2/6

# diff\_bpm0l04X\_mean vs slug



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

Left Out: 42.323+/-10.386  $\chi^2/\text{NDF}$ : 50.9/6

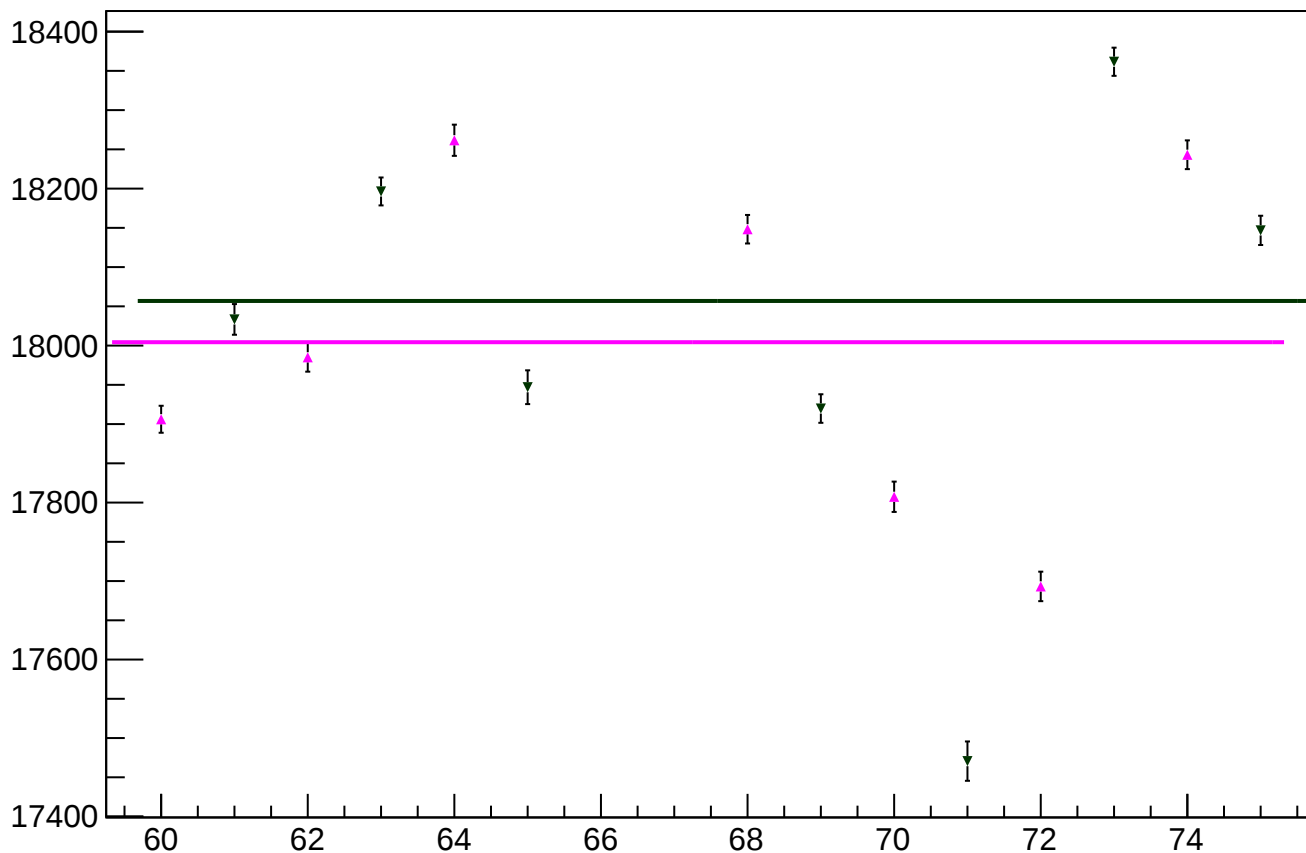
42.323+/-10.386  $\chi^2/\text{NDF}$ : 50.9/6

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

-19.790+/-9.897  $\chi^2/\text{NDF}$ : 7.5/6

Left In: -19.790+/-9.897  $\chi^2/\text{NDF}$ : 7.5/6

# diff\_bpm0l04X\_rms vs slug



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

Left Out: 18056.856+/-7.344  $\chi^2/\text{NDF}$ :1004.9/6

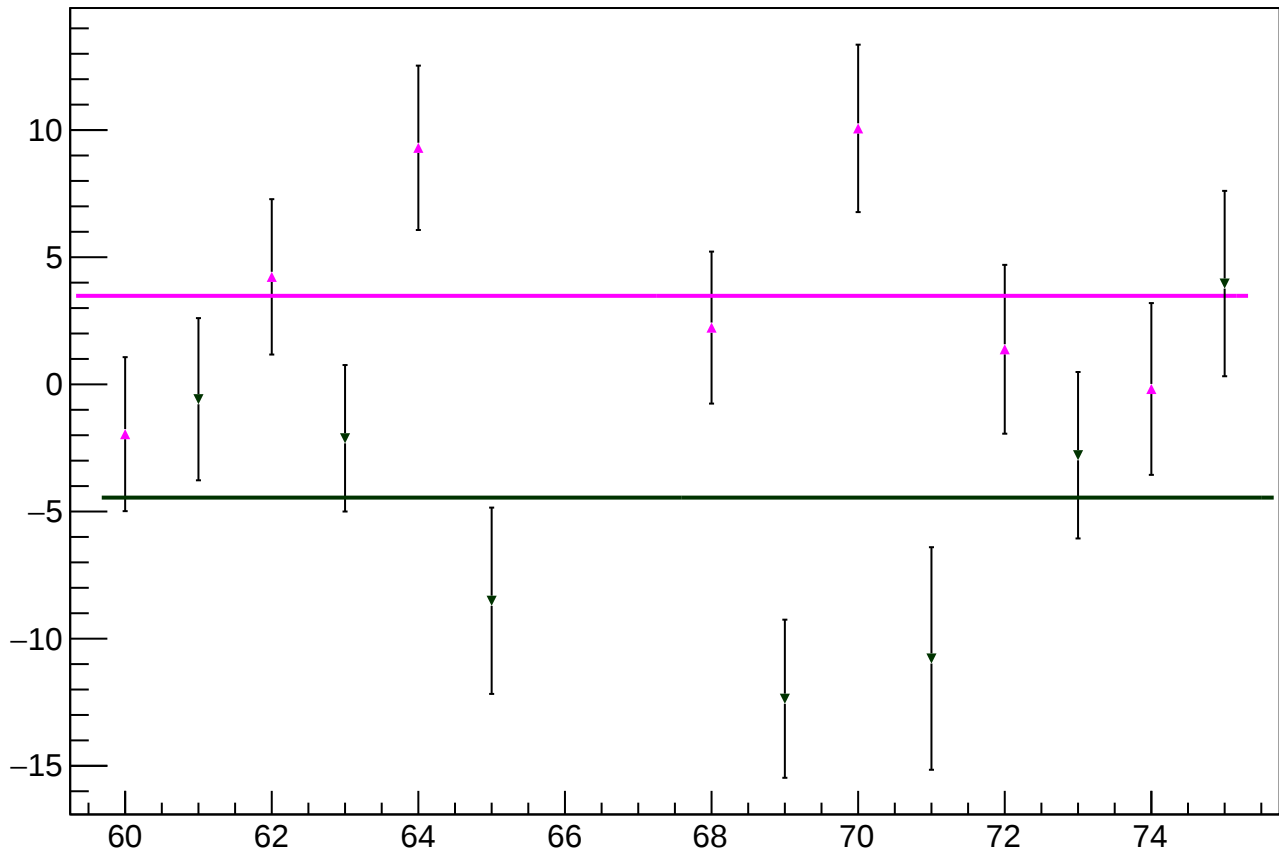
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 18004.313+/-6.998  $\chi^2/\text{NDF}$ :812.2/6

18056.856+/-7.344  $\chi^2/\text{NDF}$ : 1004.9/6

18004.313+/-6.998  $\chi^2/\text{NDF}$ : 812.2/6

diff\_bpm0l04Y\_mean vs slug



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

Left Out: -4.453 $\pm$ 1.272  $\chi^2$ /NDF:17.5/6

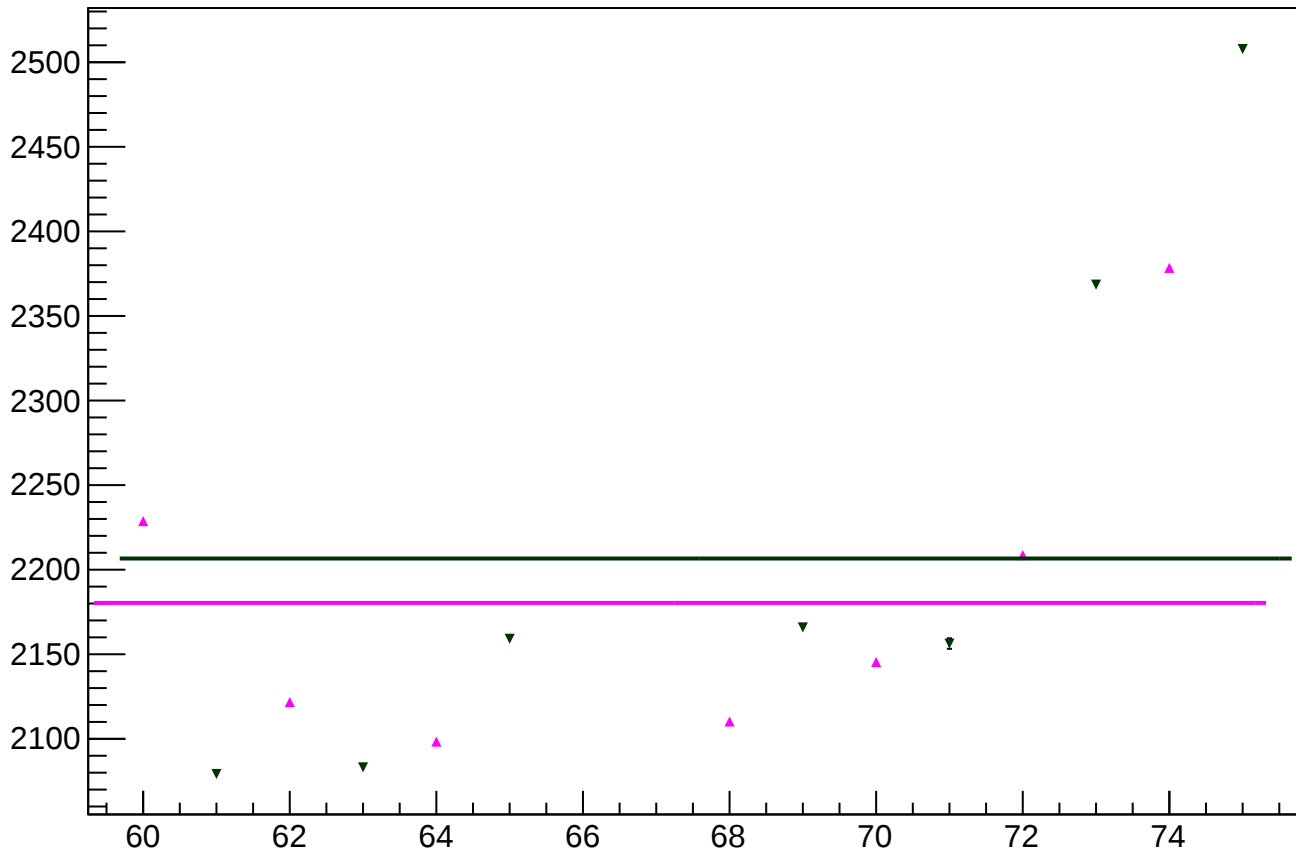
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 3.482 $\pm$ 1.200  $\chi^2$ /NDF:12.3/6

-4.453 $\pm$ 1.272  $\chi^2$ /NDF: 17.5/6

3.482 $\pm$ 1.200  $\chi^2$ /NDF: 12.3/6

# diff\_bpm0l04Y\_rms vs slug



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

Left Out: 2206.609+/-0.900  $\chi^2/\text{NDF}$ :26362.9/6

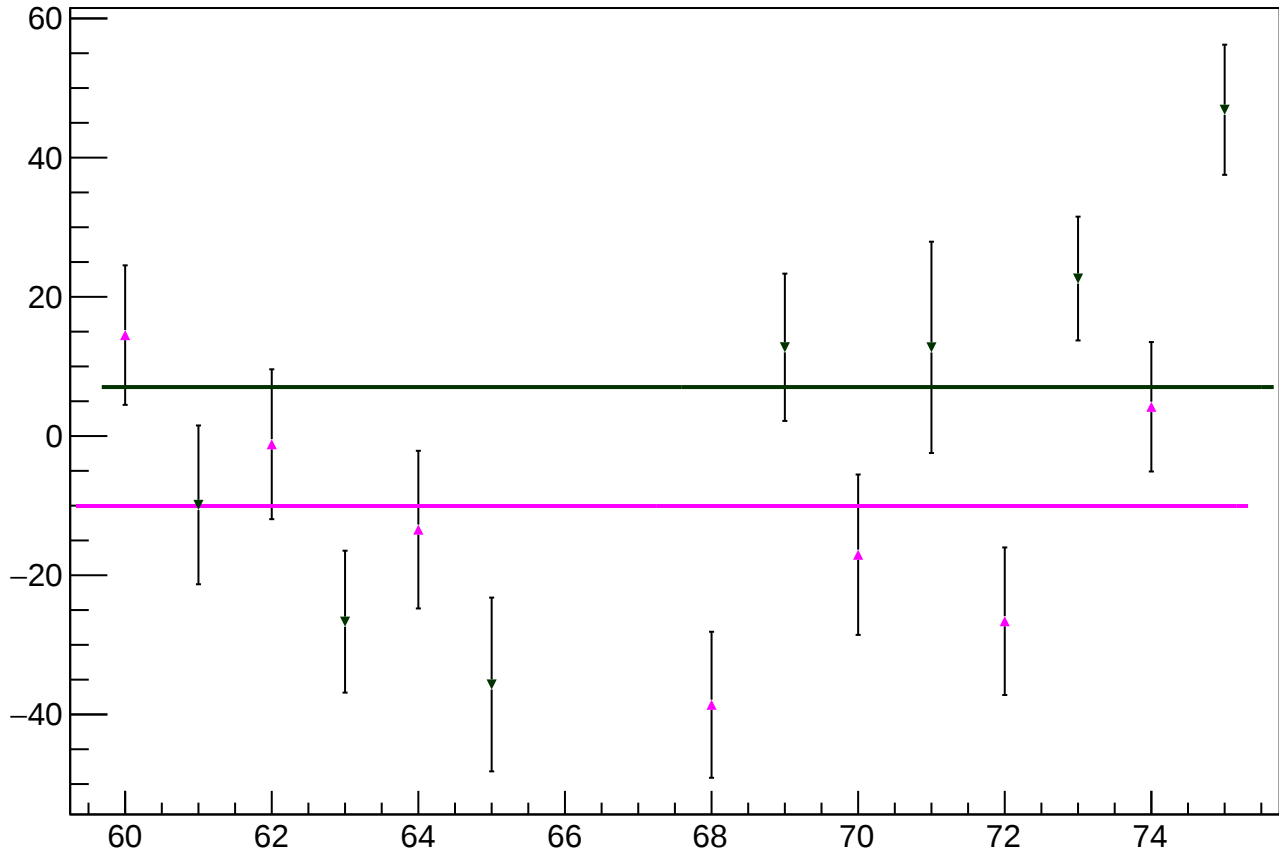
2206.609+/-0.900  $\chi^2/\text{NDF}$ : 26362.9/6

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

2180.364+/-0.848  $\chi^2/\text{NDF}$ : 10881.8/6

Left In: 2180.364+/-0.848  $\chi^2/\text{NDF}$ :10881.8/6

# diff\_bpm0l05X\_mean vs slug



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

Left Out: 7.039+/-4.046  $\chi^2/\text{NDF}$ : 46.5/6

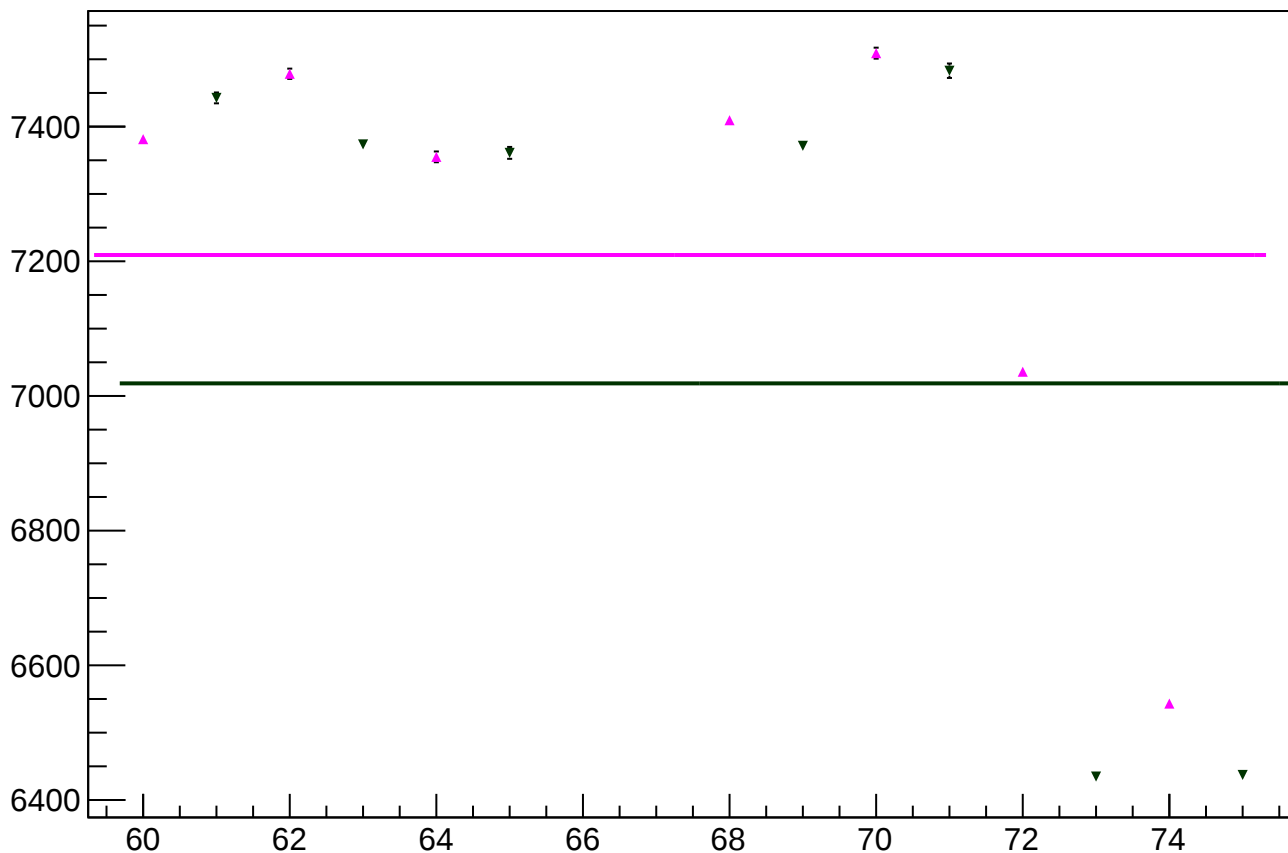
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -10.051+/-3.970  $\chi^2/\text{NDF}$ : 19.3/6

7.039+/-4.046  $\chi^2/\text{NDF}$ : 46.5/6

-10.051+/-3.970  $\chi^2/\text{NDF}$ : 19.3/6

# diff\_bpm0l05X\_rms vs slug



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

Left Out: 7018.694+/-2.861  $\chi^2/\text{NDF}$ : 27139.9/6

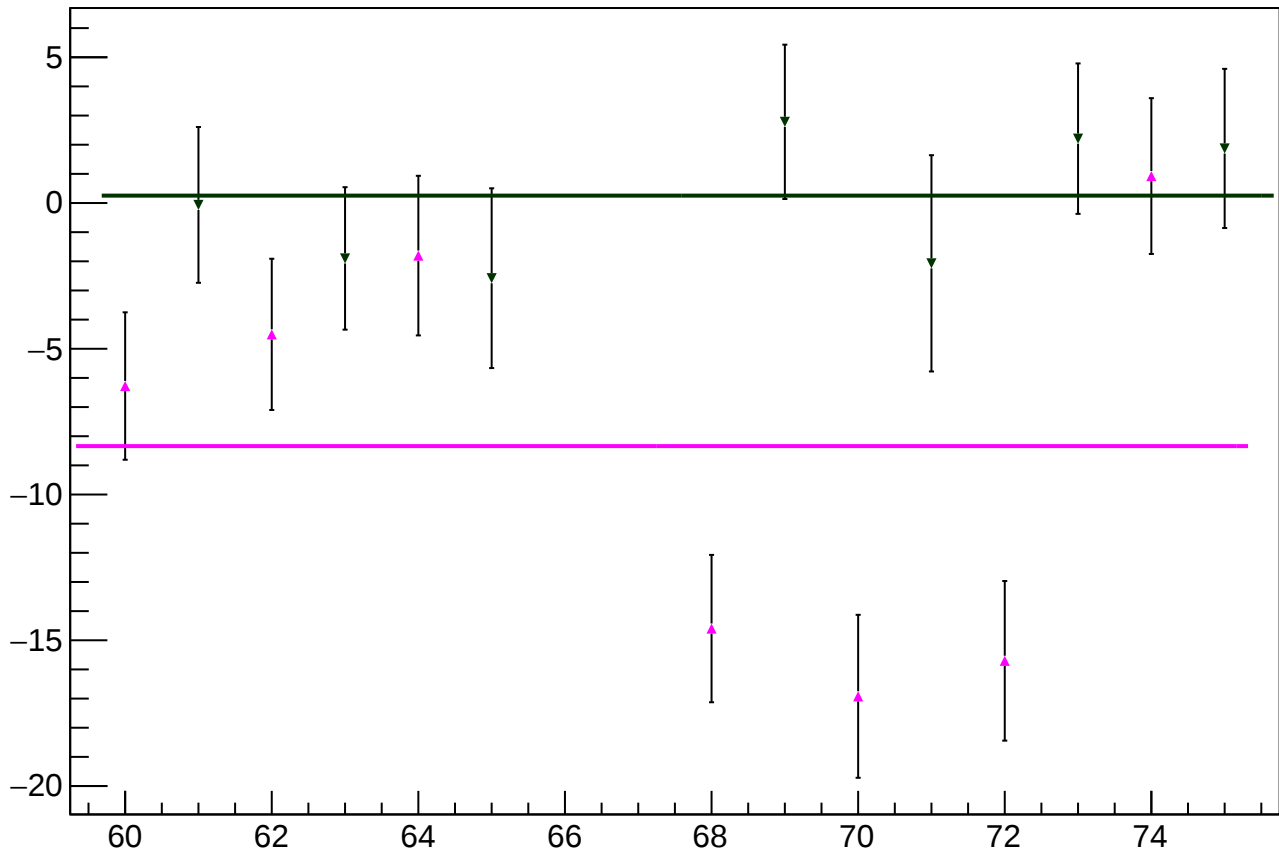
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 7209.344+/-2.807  $\chi^2/\text{NDF}$ : 15051.9/6

7018.694+/-2.861  $\chi^2/\text{NDF}$ : 27139.9/6

7209.344+/-2.807  $\chi^2/\text{NDF}$ : 15051.9/6

# diff\_bpm0l05Y\_mean vs slug



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

Left Out: 0.254+/-1.047  $\chi^2/\text{NDF}$ : 3.9/6

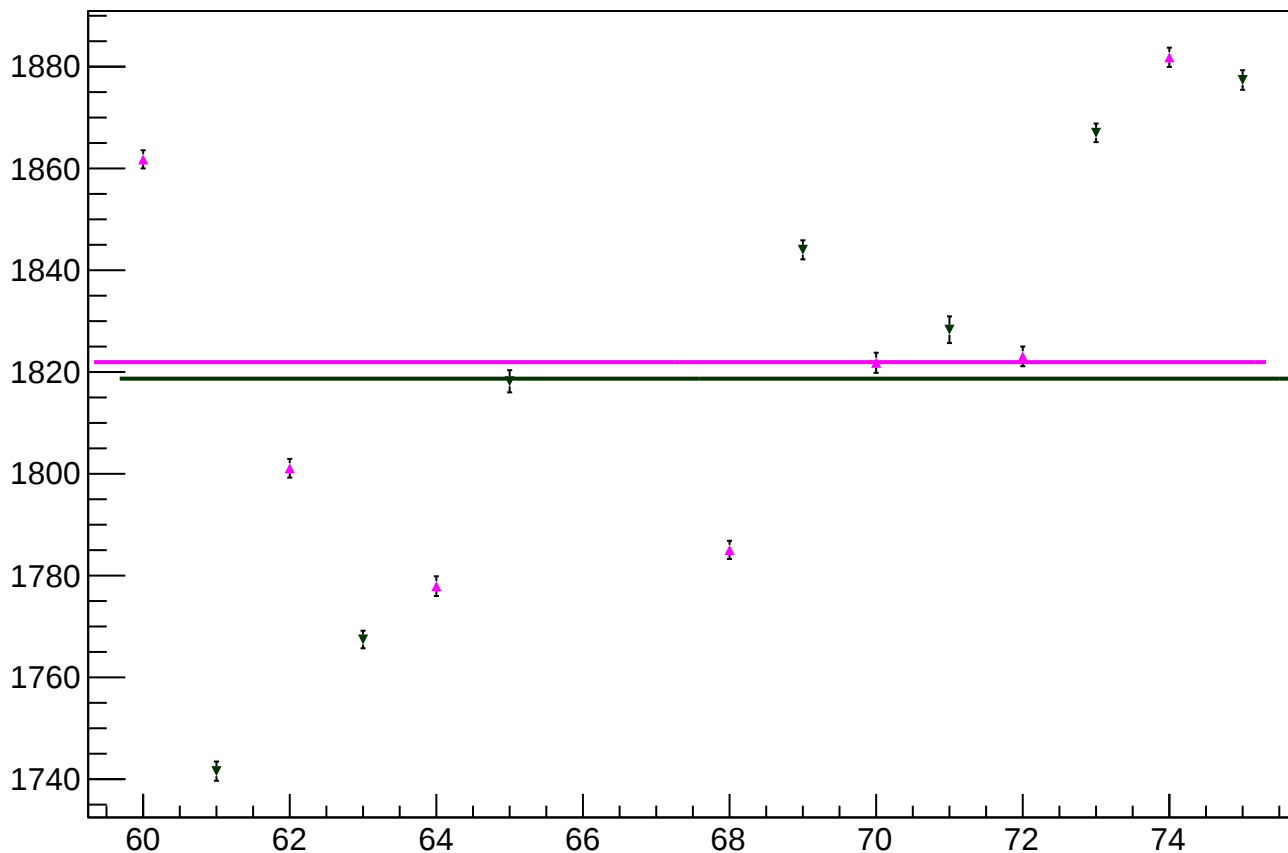
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -8.339+/-1.002  $\chi^2/\text{NDF}$ : 43.4/6

0.254+/-1.047  $\chi^2/\text{NDF}$ : 3.9/6

-8.339+/-1.002  $\chi^2/\text{NDF}$ : 43.4/6

# diff\_bpm0l05Y\_rms vs slug



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

Left Out: 1818.698+/-0.740  $\chi^2/\text{NDF}$ : 4367.7/6

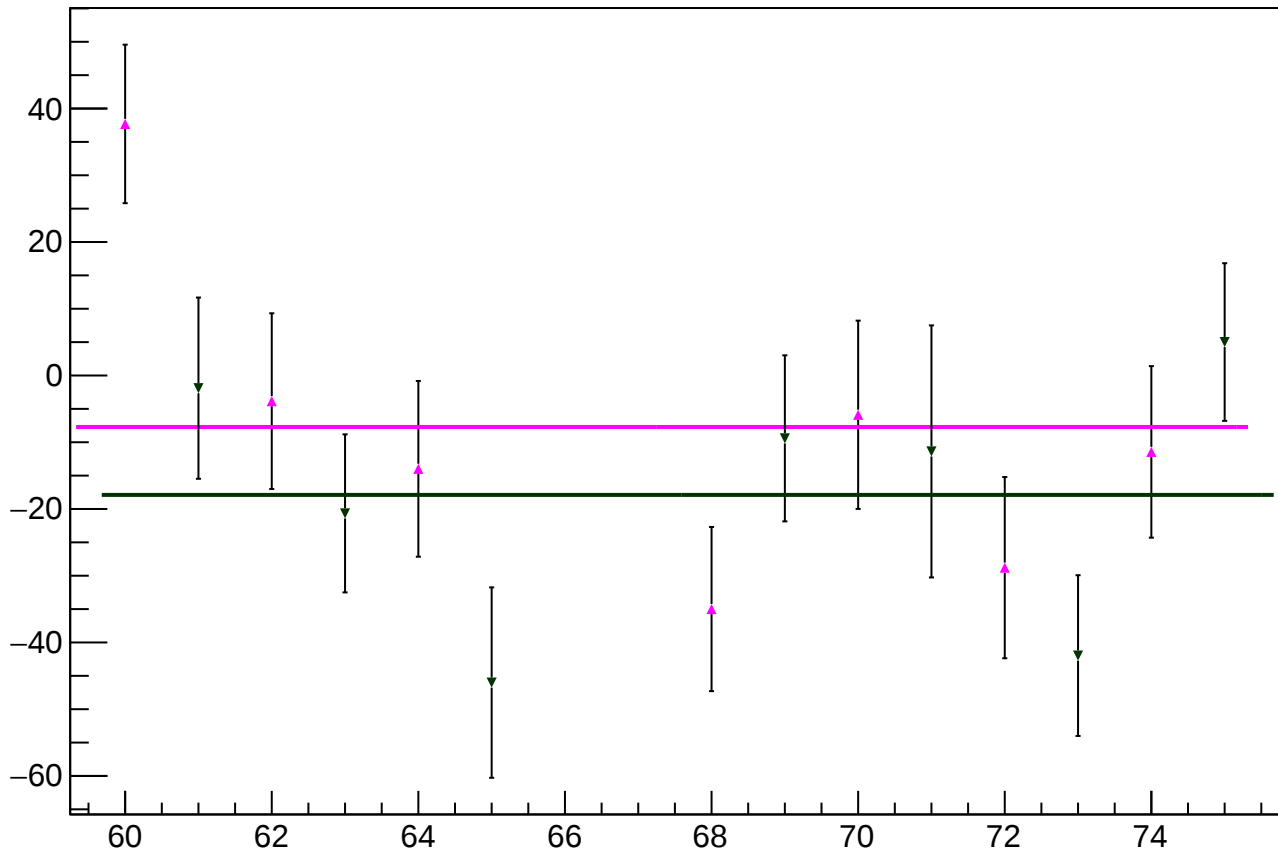
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1821.950+/-0.708  $\chi^2/\text{NDF}$ : 2573.9/6

1818.698+/-0.740  $\chi^2/\text{NDF}$ : 4367.7/6

1821.950+/-0.708  $\chi^2/\text{NDF}$ : 2573.9/6

# diff\_bpm0l06X\_mean vs slug



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

Left Out: -17.891+/-4.951  $\chi^2/\text{NDF}$ : 13.7/6

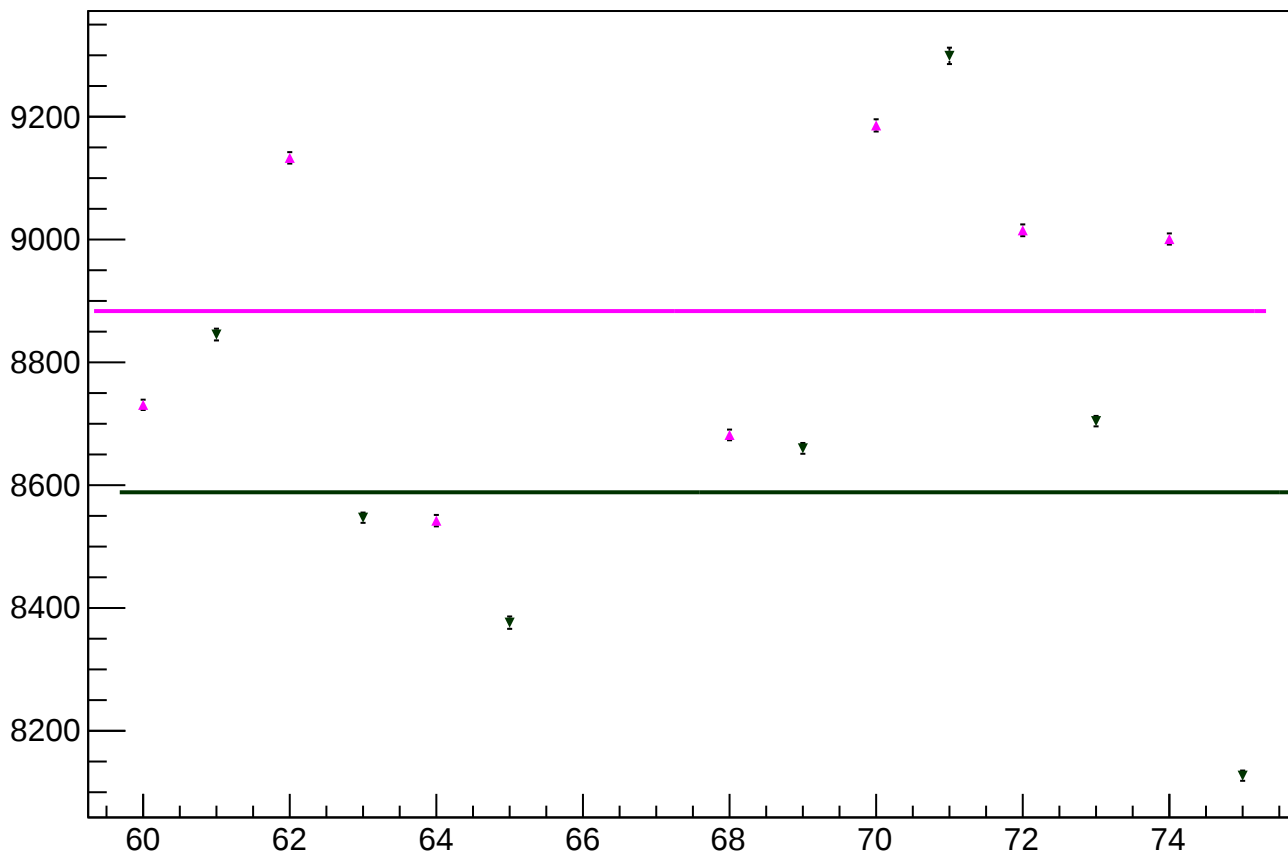
-17.891+/-4.951  $\chi^2/\text{NDF}$ : 13.7/6

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

Left In: -7.712+/-4.894  $\chi^2/\text{NDF}$ : 22.4/6

-7.712+/-4.894  $\chi^2/\text{NDF}$ : 22.4/6

# diff\_bpm0l06X\_rms vs slug



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

Left Out: 8588.426+/-3.501  $\chi^2/\text{NDF}$ : 7320.2/6

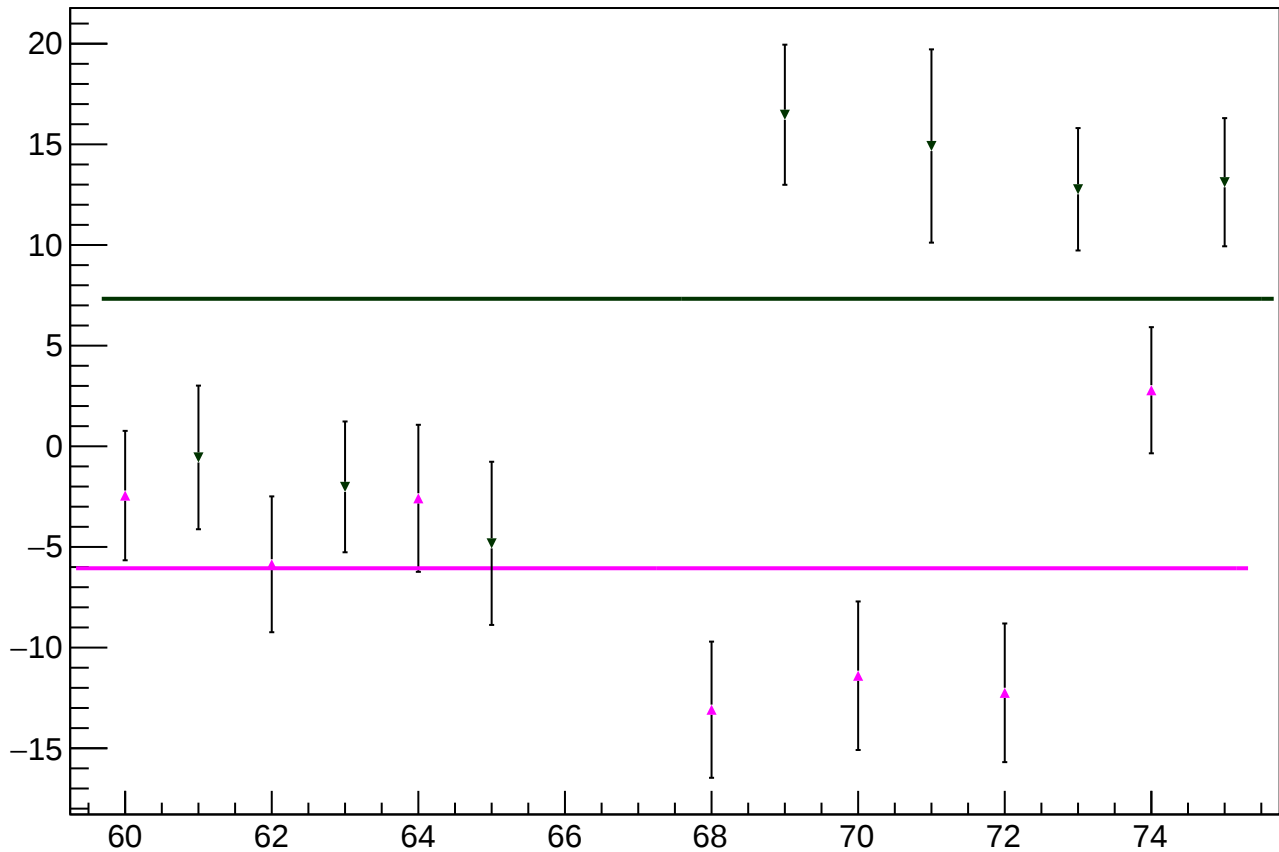
8588.426+/-3.501  $\chi^2/\text{NDF}$ : 7320.2/6

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

8883.501+/-3.461  $\chi^2/\text{NDF}$ : 4203.6/6

Left In: 8883.501+/-3.461  $\chi^2/\text{NDF}$ : 4203.6/6

# diff\_bpm0l06Y\_mean vs slug



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

Left Out: 7.328 $\pm$ 1.328  $\chi^2$ /NDF: 38.0/6

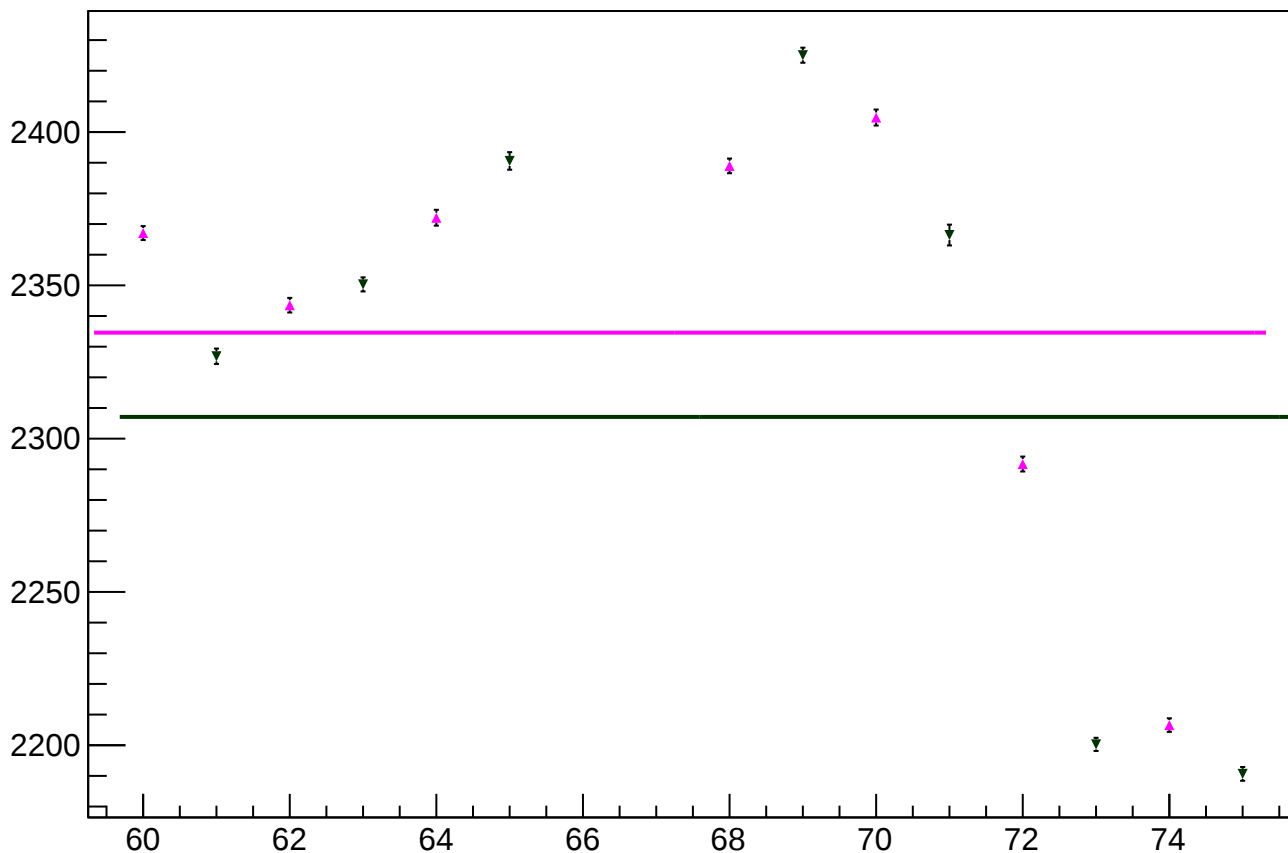
7.328 $\pm$ 1.328  $\chi^2$ /NDF: 38.0/6

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

-6.059 $\pm$ 1.284  $\chi^2$ /NDF: 19.8/6

Left In: -6.059 $\pm$ 1.284  $\chi^2$ /NDF: 19.8/6

# diff\_bpm0l06Y\_rms vs slug



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

Left Out: 2307.088+/-0.939  $\chi^2/\text{NDF}$ : 9010.5/6

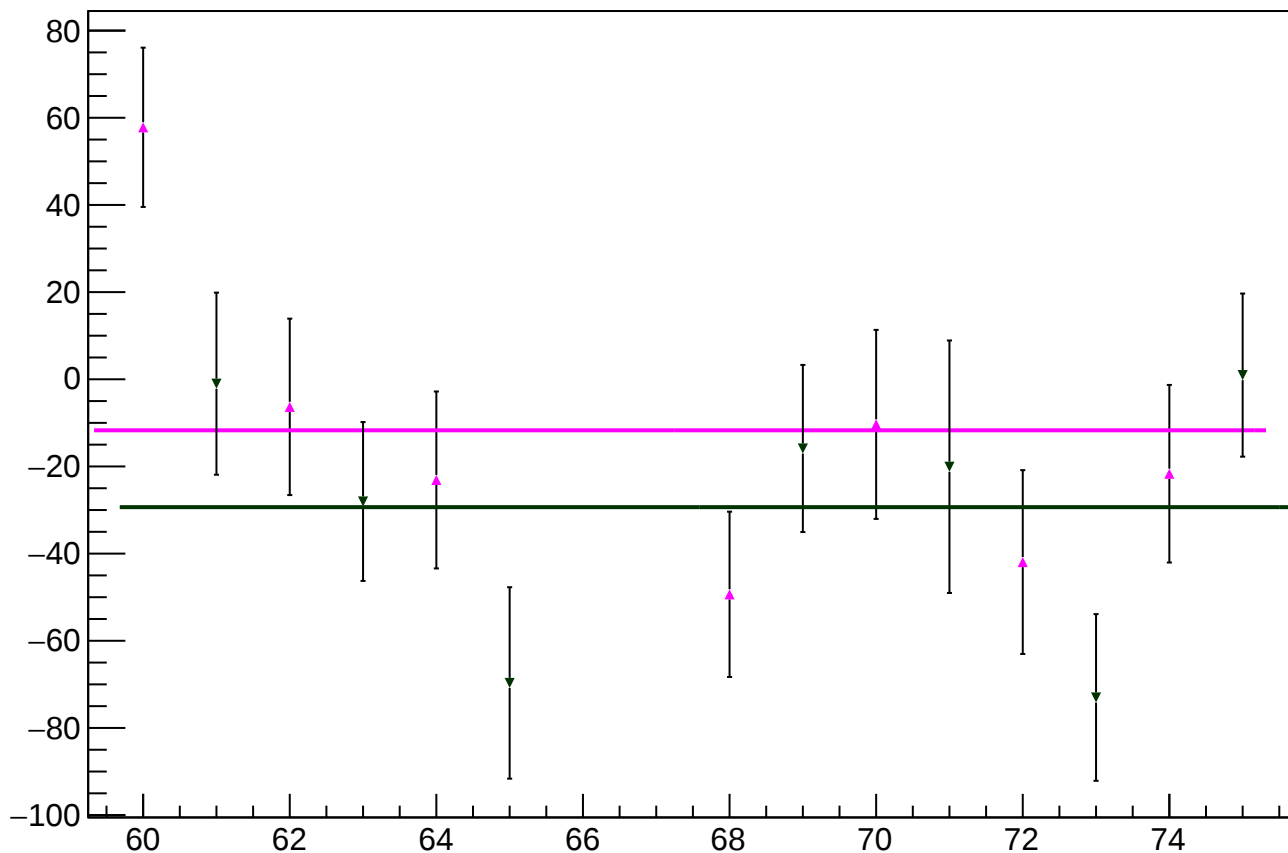
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2334.574+/-0.908  $\chi^2/\text{NDF}$ : 5316.5/6

2307.088+/-0.939  $\chi^2/\text{NDF}$ : 9010.5/6

2334.574+/-0.908  $\chi^2/\text{NDF}$ : 5316.5/6

# diff\_bpm0l07X\_mean vs slug



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

Left Out: -29.340+/-7.697  $\chi^2/\text{NDF}$ :13.6/6

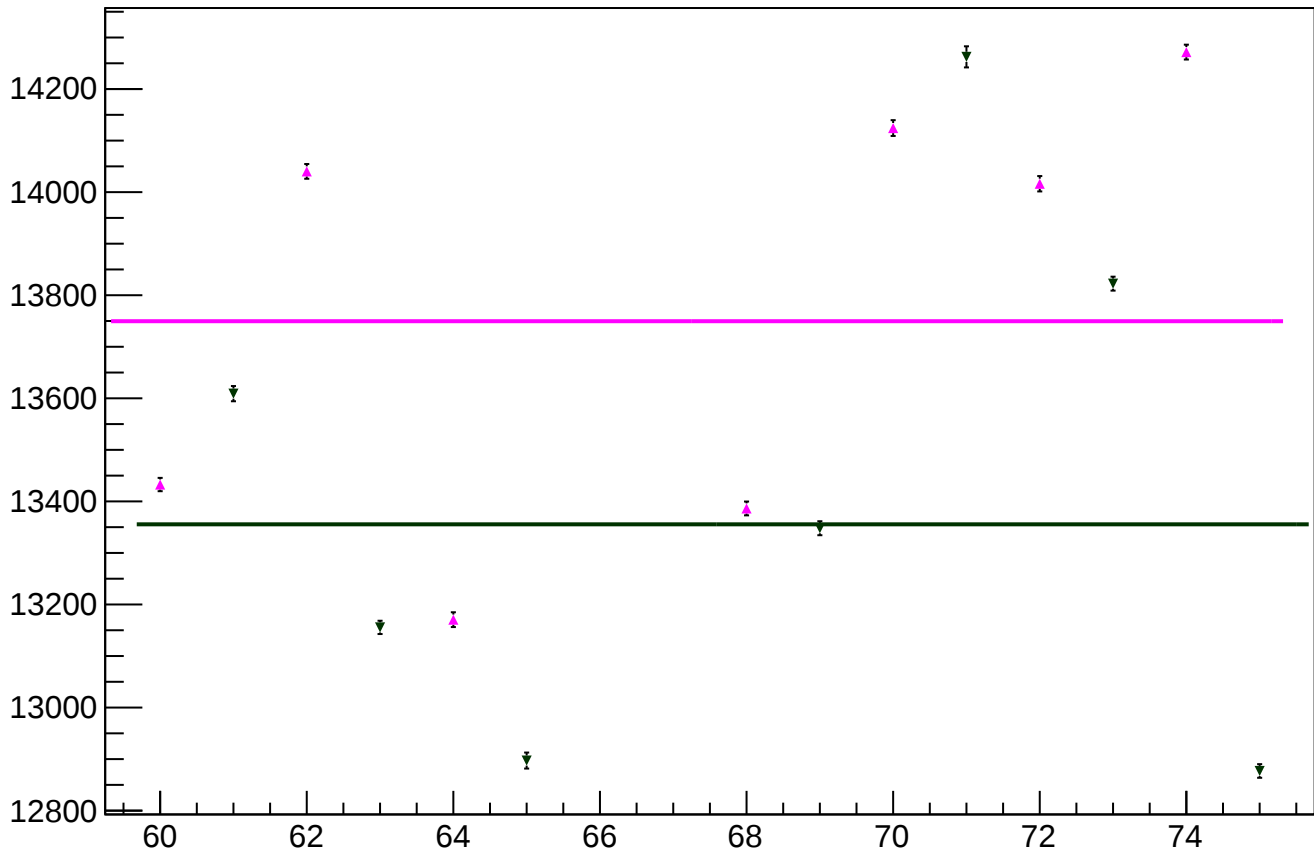
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -11.709+/-7.575  $\chi^2/\text{NDF}$ :21.1/6

-29.340+/-7.697  $\chi^2/\text{NDF}$ : 13.6/6

-11.709+/-7.575  $\chi^2/\text{NDF}$ : 21.1/6

# diff\_bpm0l07X\_rms vs slug



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

Left Out: 13355.510+/-5.443  $\chi^2/\text{NDF}$ : 5868.5/6

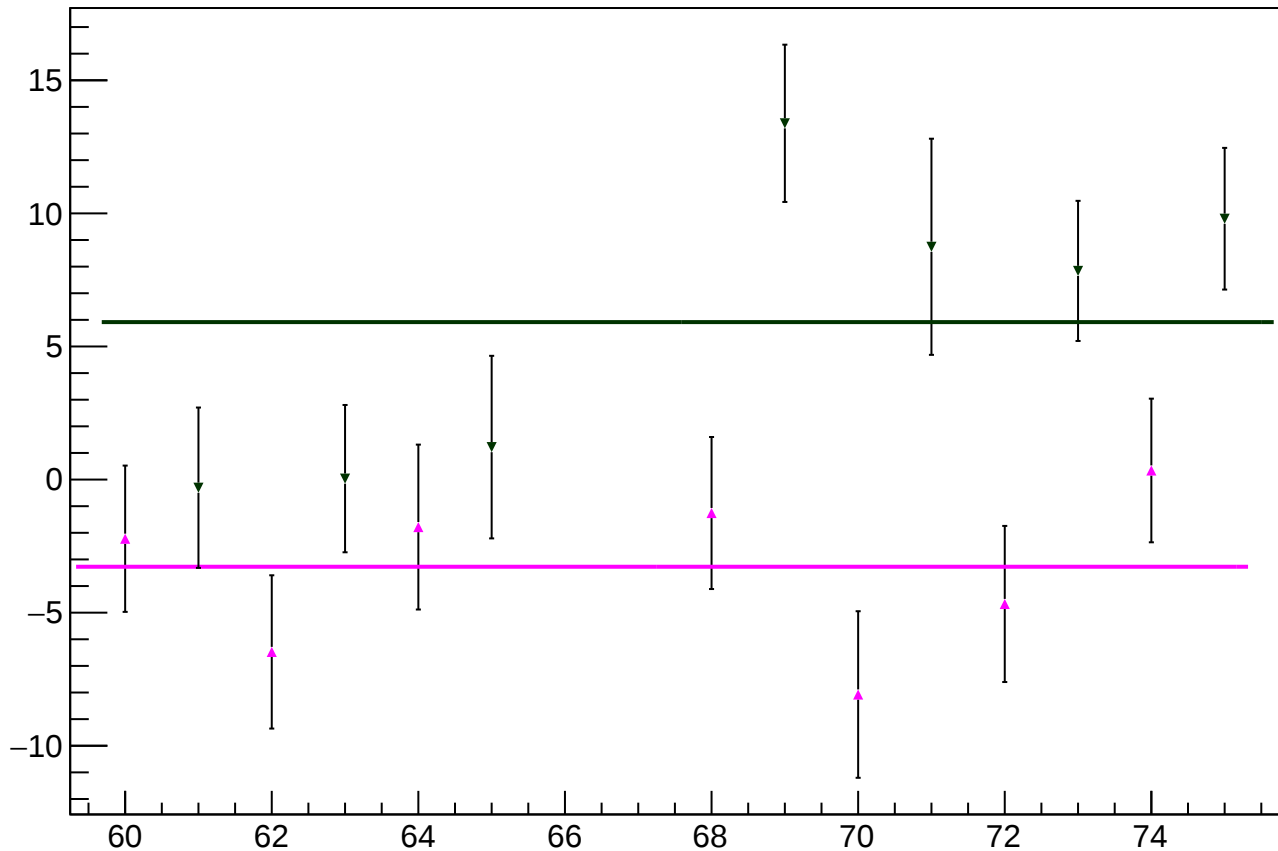
13355.510+/-5.443  $\chi^2/\text{NDF}$ : 5868.5/6

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

13749.582+/-5.356  $\chi^2/\text{NDF}$ : 5605.5/6

Left In: 13749.582+/-5.356  $\chi^2/\text{NDF}$ : 5605.5/6

# diff\_bpm0l07Y\_mean vs slug



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

Left Out: 5.916+/-1.128  $\chi^2/\text{NDF}$ : 20.2/6

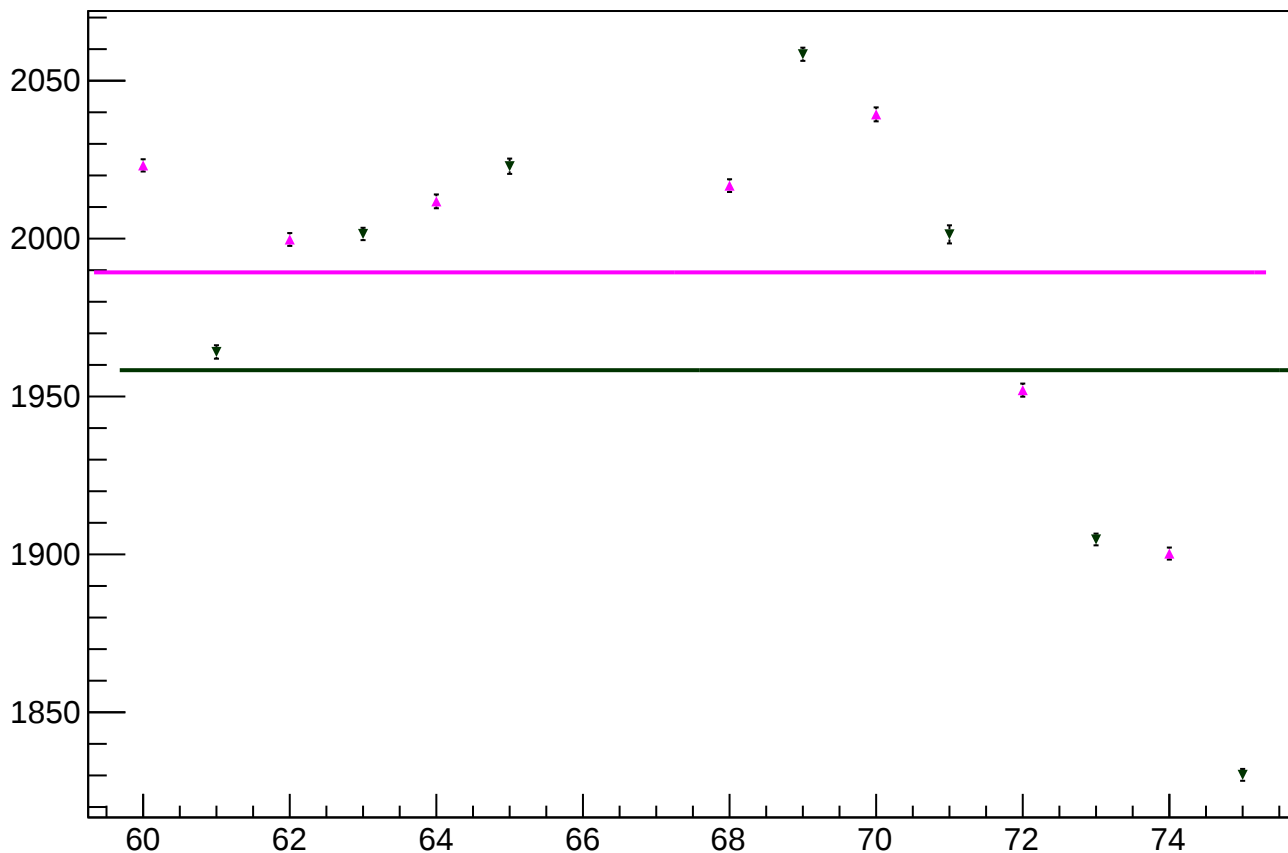
5.916+/-1.128  $\chi^2/\text{NDF}$ : 20.2/6

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

-3.275+/-1.094  $\chi^2/\text{NDF}$ : 6.5/6

Left In: -3.275+/-1.094  $\chi^2/\text{NDF}$ : 6.5/6

# diff\_bpm0l07Y\_rms vs slug



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

Left Out: 1958.334+/-0.797  $\chi^2/\text{NDF}$ : 9187.1/6

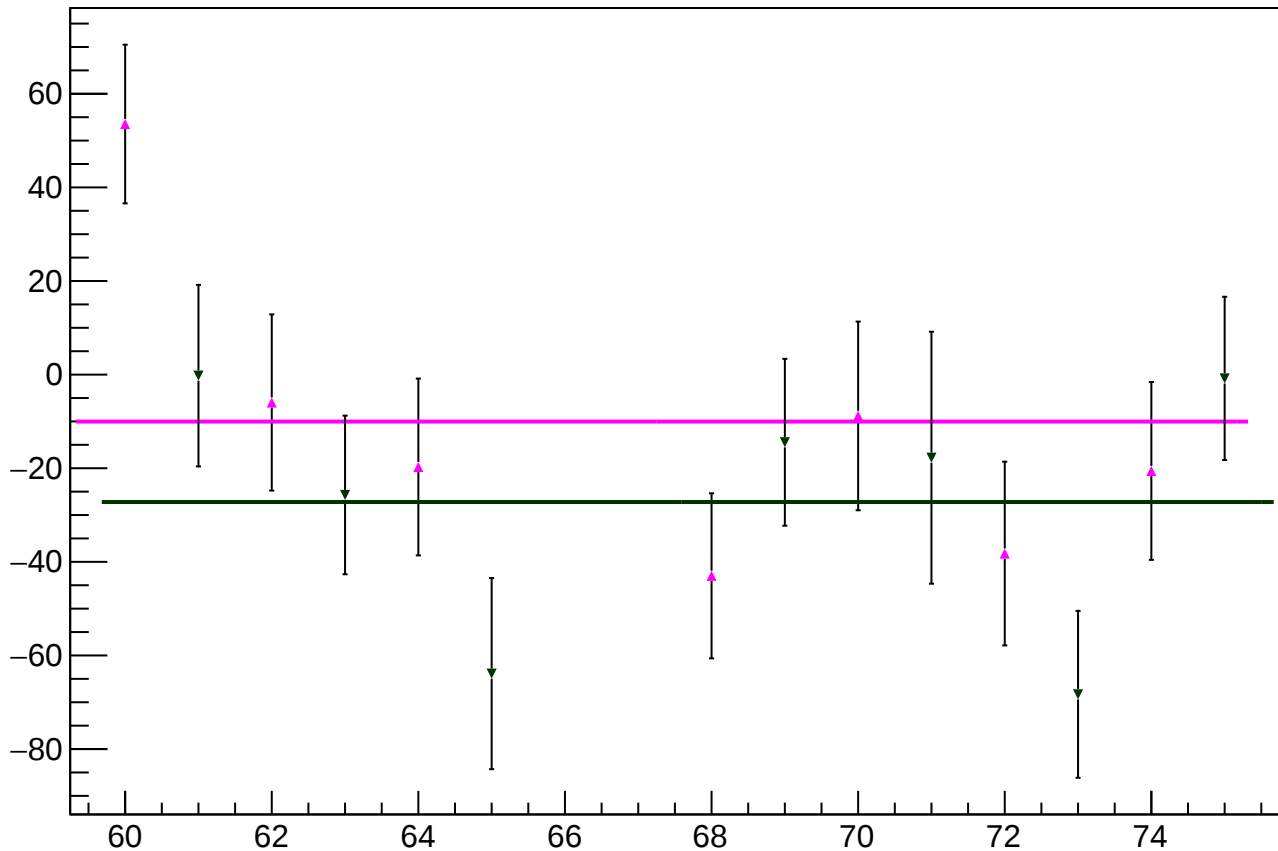
1958.334+/-0.797  $\chi^2/\text{NDF}$ : 9187.1/6

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

1989.307+/-0.773  $\chi^2/\text{NDF}$ : 3633.8/6

Left In: 1989.307+/-0.773  $\chi^2/\text{NDF}$ : 3633.8/6

# diff\_bpm0l08X\_mean vs slug



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

Left Out: -27.219+/-7.161  $\chi^2/\text{NDF}$ :13.4/6

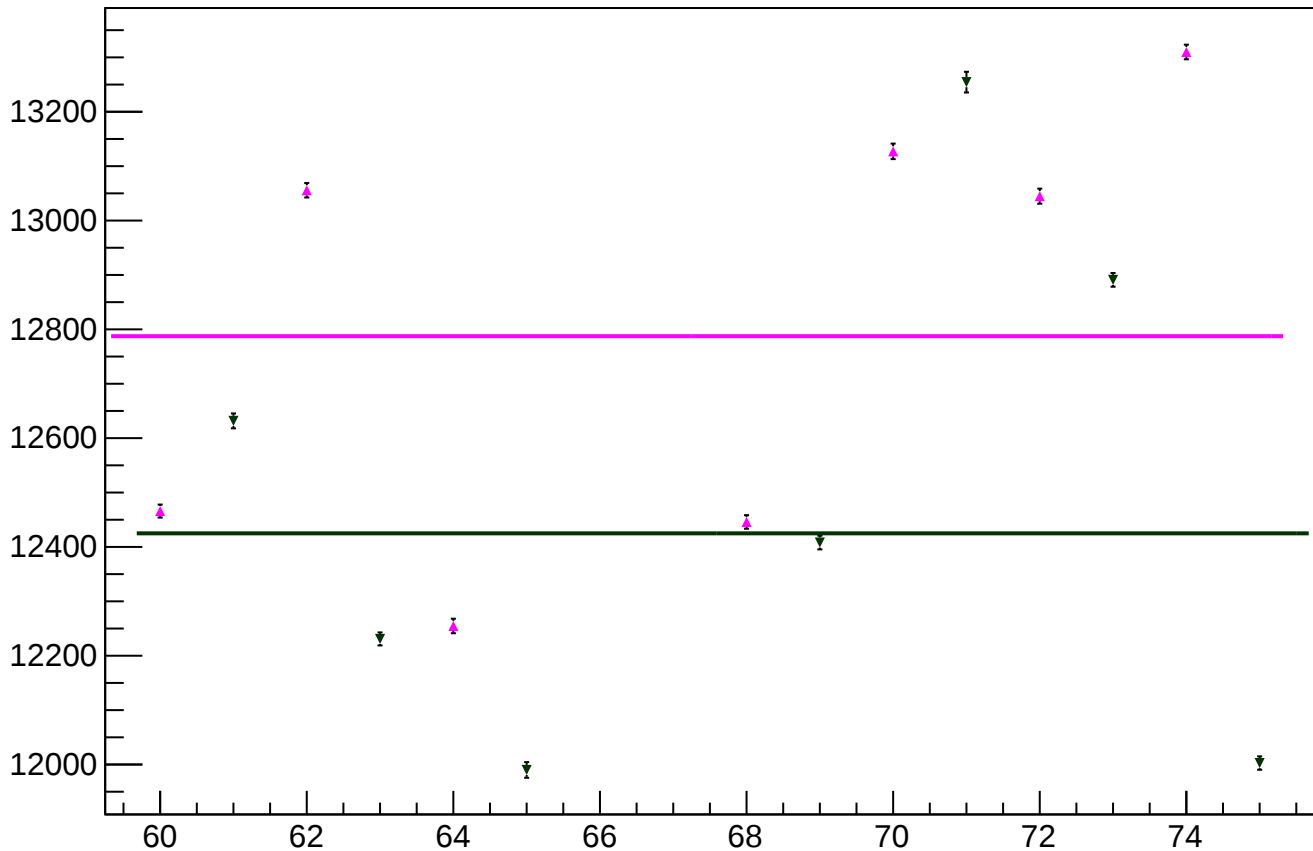
-27.219+/-7.161  $\chi^2/\text{NDF}$ : 13.4/6

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

-10.032+/-7.045  $\chi^2/\text{NDF}$ : 20.2/6

Left In: -10.032+/-7.045  $\chi^2/\text{NDF}$ :20.2/6

# diff\_bpm0l08X\_rms vs slug



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

Left Out: 12424.973+/-5.064  $\chi^2/\text{NDF}$ : 5836.8/6

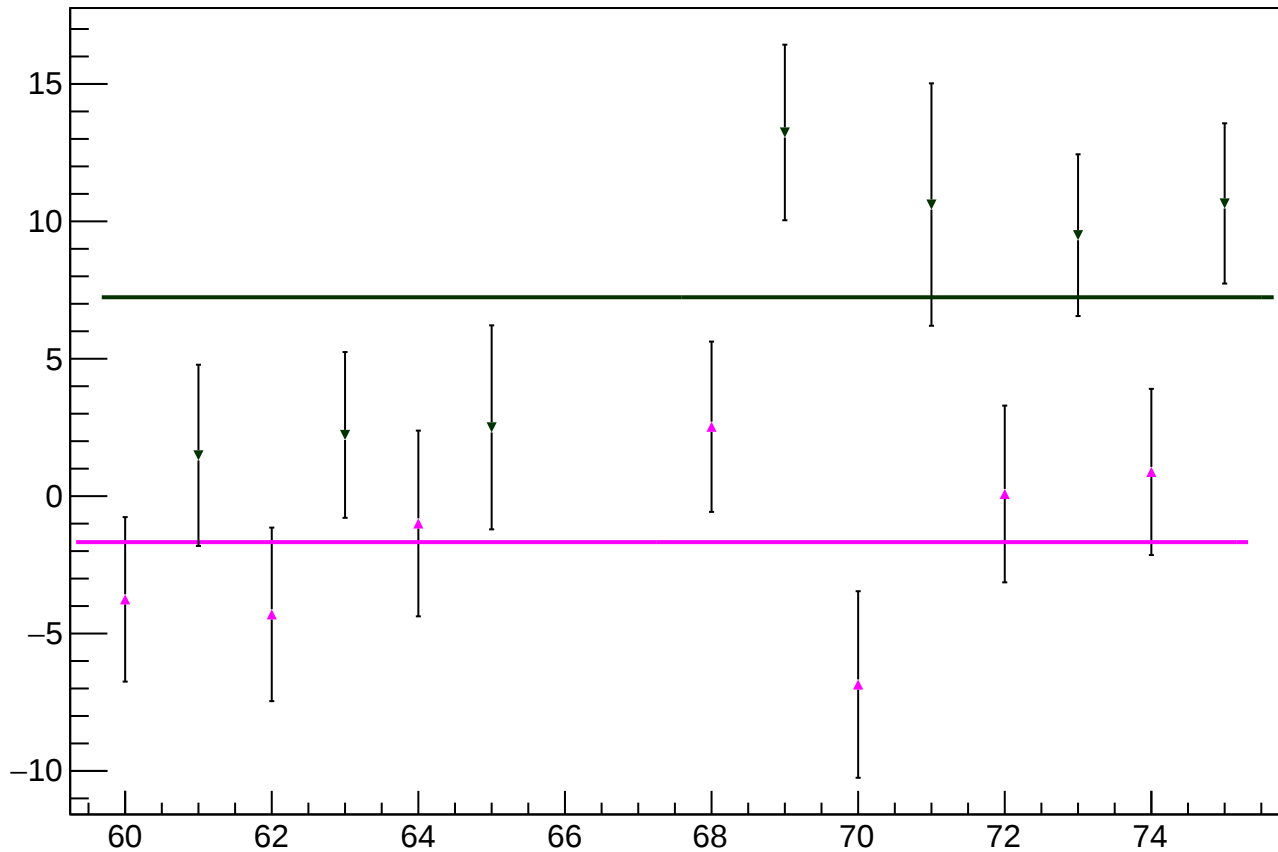
12424.973+/-5.064  $\chi^2/\text{NDF}$ : 5836.8/6

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

12787.433+/-4.981  $\chi^2/\text{NDF}$ : 5891.5/6

Left In: 12787.433+/-4.981  $\chi^2/\text{NDF}$ : 5891.5/6

# diff\_bpm0l08Y\_mean vs slug



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

Left Out: 7.238+/-1.234  $\chi^2/\text{NDF}$ : 13.5/6

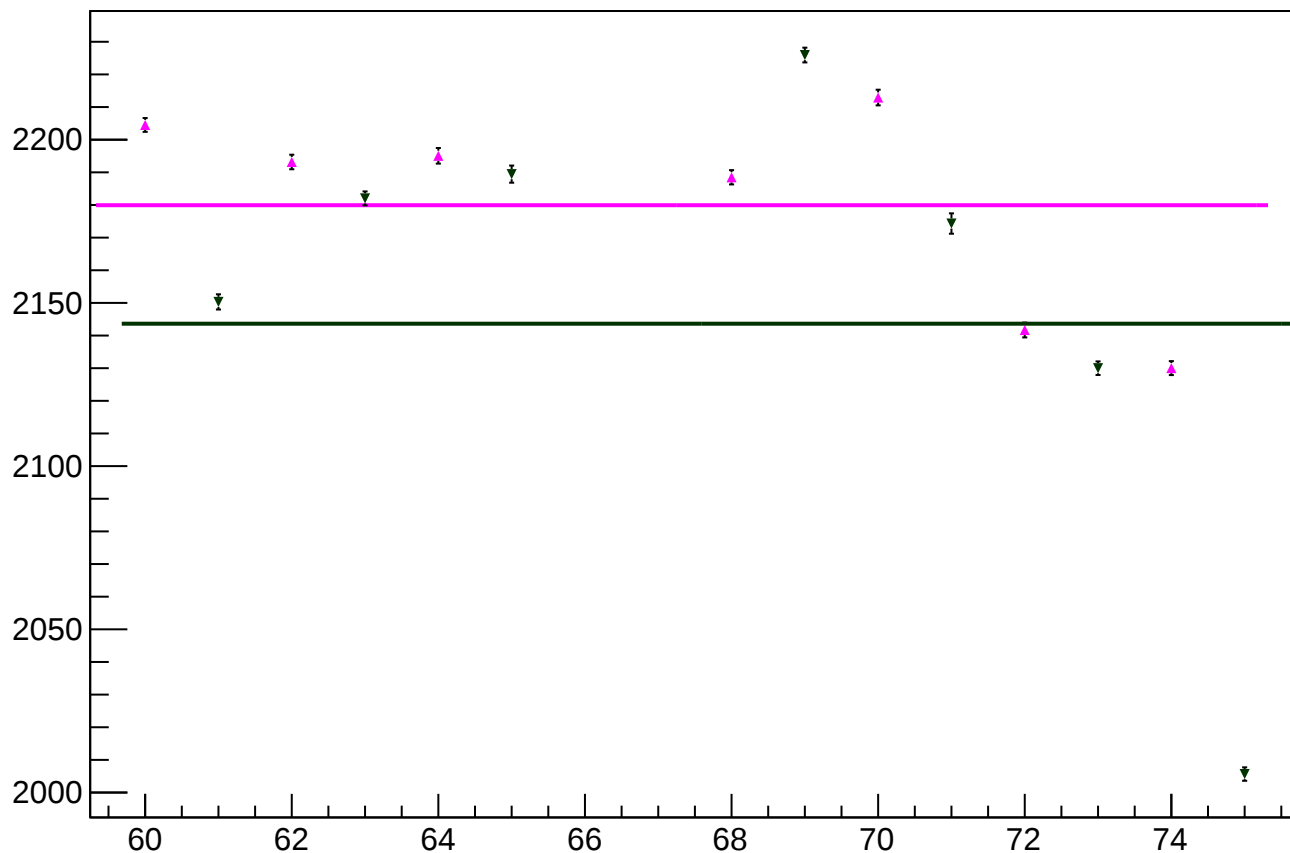
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.674+/-1.198  $\chi^2/\text{NDF}$ : 6.4/6

7.238+/-1.234  $\chi^2/\text{NDF}$ : 13.5/6

-1.674+/-1.198  $\chi^2/\text{NDF}$ : 6.4/6

# diff\_bpm0l08Y\_rms vs slug



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

Left Out: 2143.630+/-0.872  $\chi^2/\text{NDF}$ : 6581.3/6

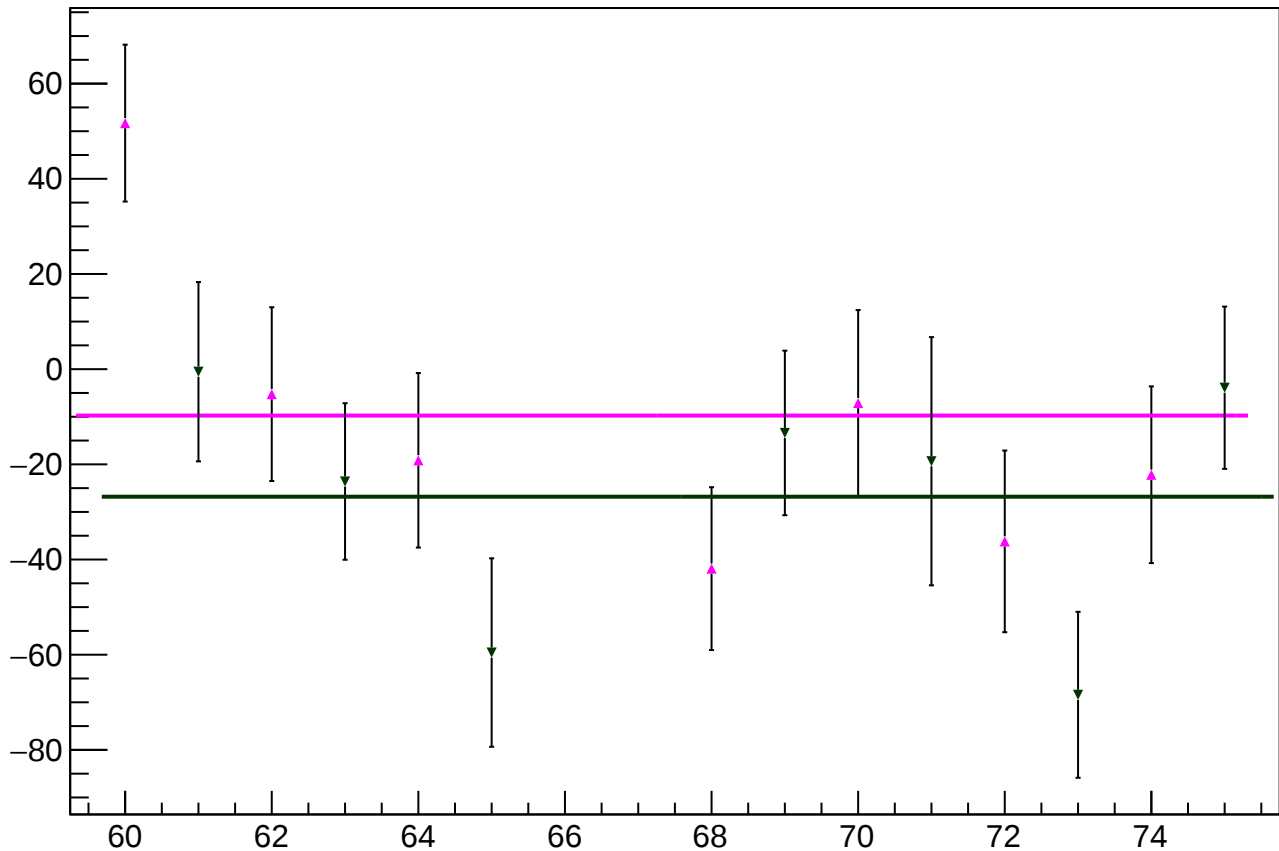
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2179.930+/-0.847  $\chi^2/\text{NDF}$ : 1241.3/6

2143.630+/-0.872  $\chi^2/\text{NDF}$ : 6581.3/6

2179.930+/-0.847  $\chi^2/\text{NDF}$ : 1241.3/6

# diff\_bpm0l09X\_mean vs slug



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

Left Out: -26.799+/-6.966  $\chi^2/\text{NDF}$ :12.9/6

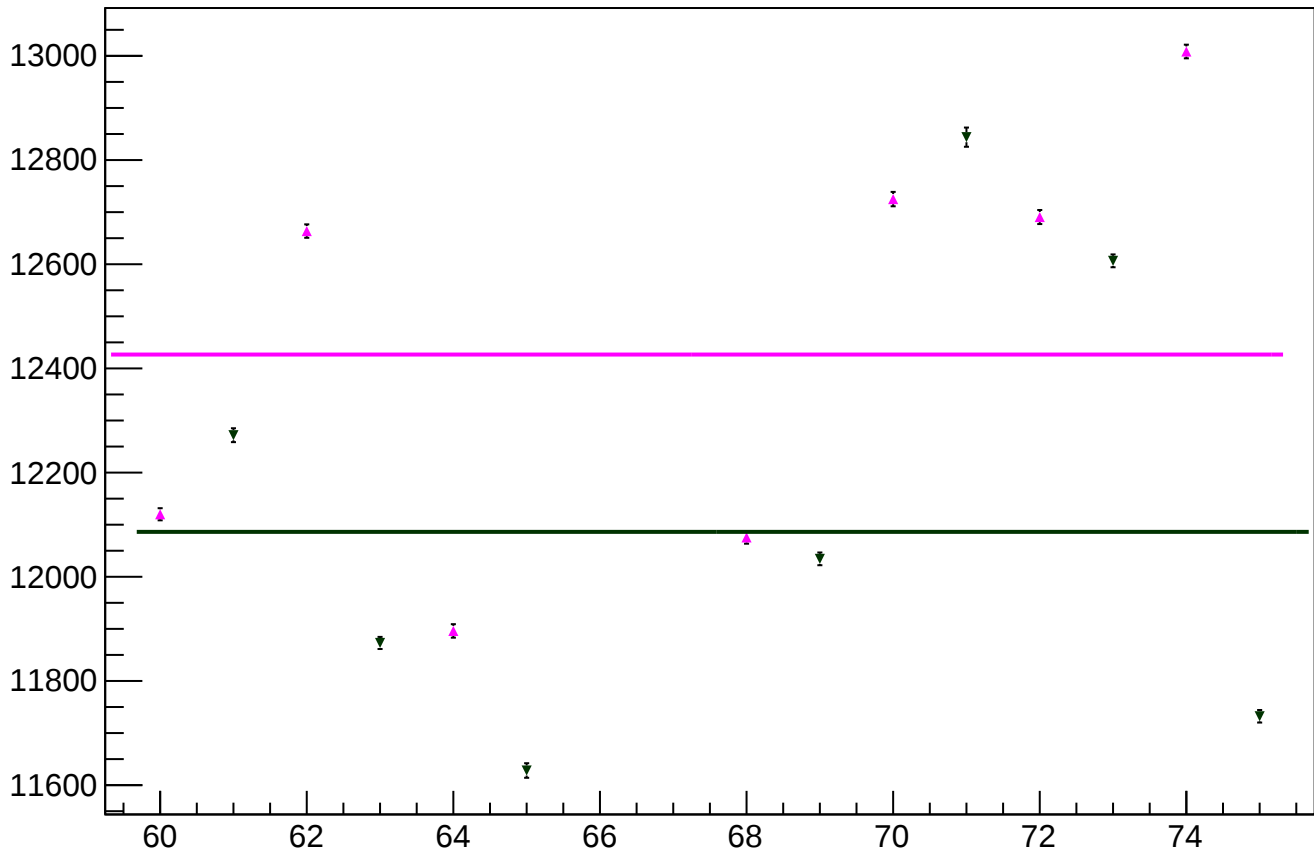
-26.799+/-6.966  $\chi^2/\text{NDF}$ : 12.9/6

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

-9.748+/-6.846  $\chi^2/\text{NDF}$ : 20.1/6

Left In: -9.748+/-6.846  $\chi^2/\text{NDF}$ :20.1/6

# diff\_bpm0l09X\_rms vs slug



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

Left Out: 12086.230+/-4.926  $\chi^2/\text{NDF}$ : 5949.3/6

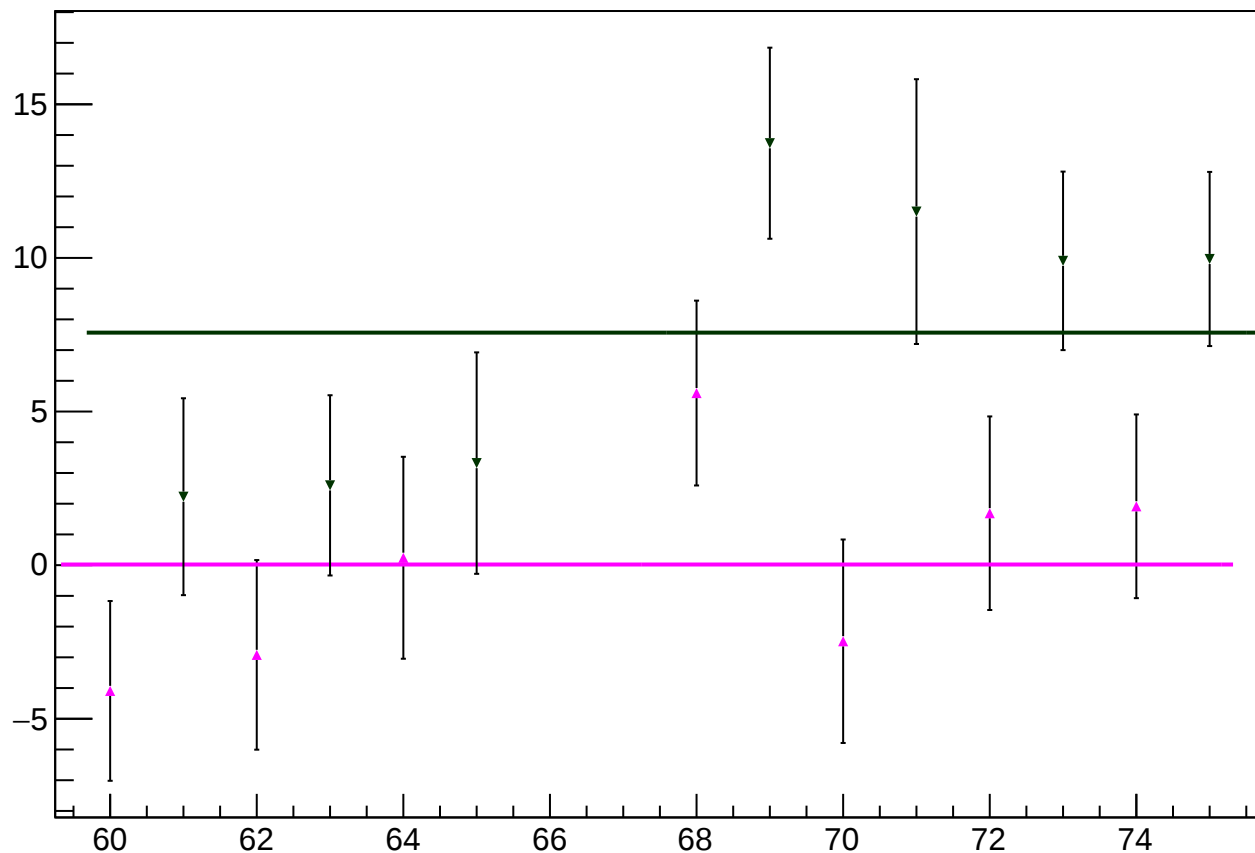
12086.230+/-4.926  $\chi^2/\text{NDF}$ : 5949.3/6

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

12426.627+/-4.841  $\chi^2/\text{NDF}$ : 6358.3/6

Left In: 12426.627+/-4.841  $\chi^2/\text{NDF}$ : 6358.3/6

# diff\_bpm0l09Y\_mean vs slug



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

Left Out: 7.568+/-1.203  $\chi^2/\text{NDF}$ :13.2/6

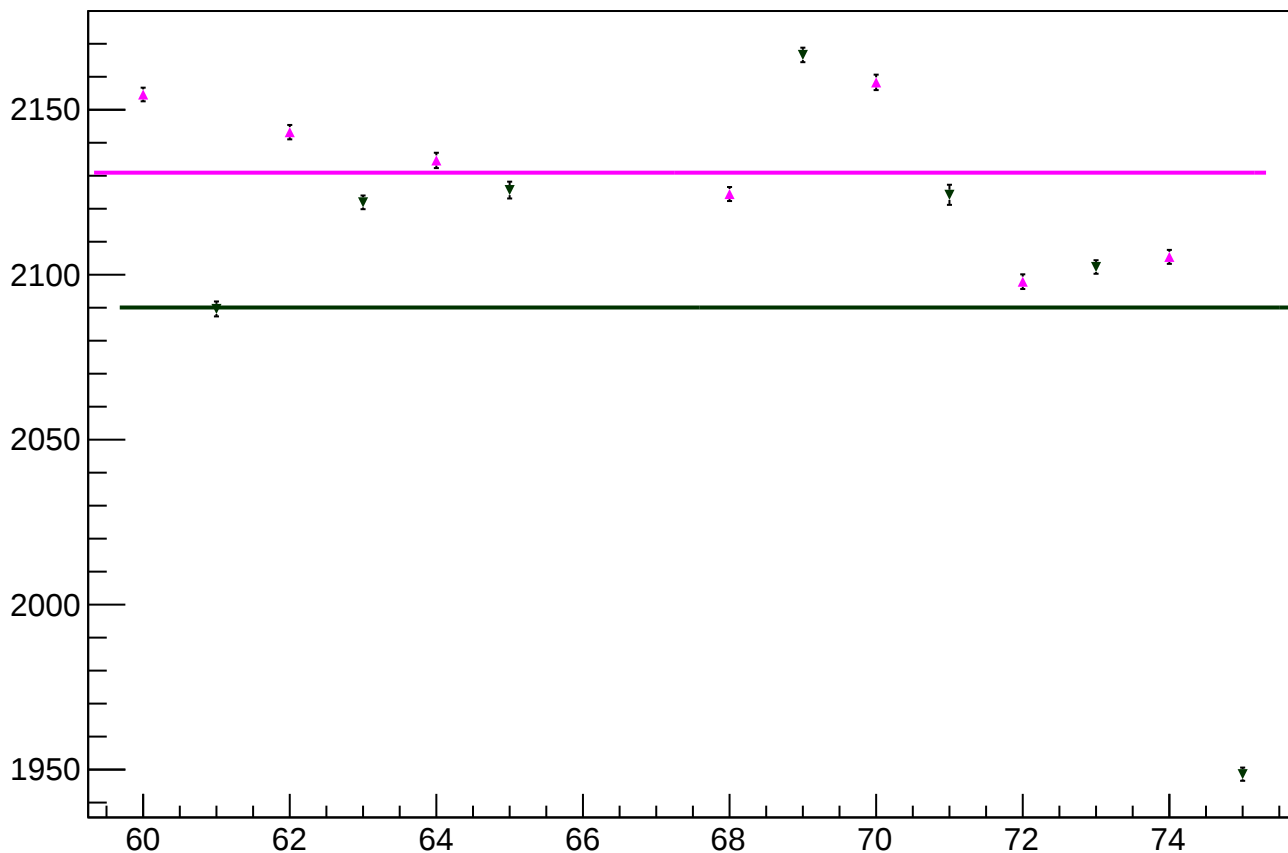
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.021+/-1.171  $\chi^2/\text{NDF}$ :7.6/6

7.568+/-1.203  $\chi^2/\text{NDF}$ : 13.2/6

0.021+/-1.171  $\chi^2/\text{NDF}$ : 7.6/6

# diff\_bpm0l09Y\_rms vs slug



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

Left Out: 2090.063+/-0.851  $\chi^2/\text{NDF}$ : 6787.4/6

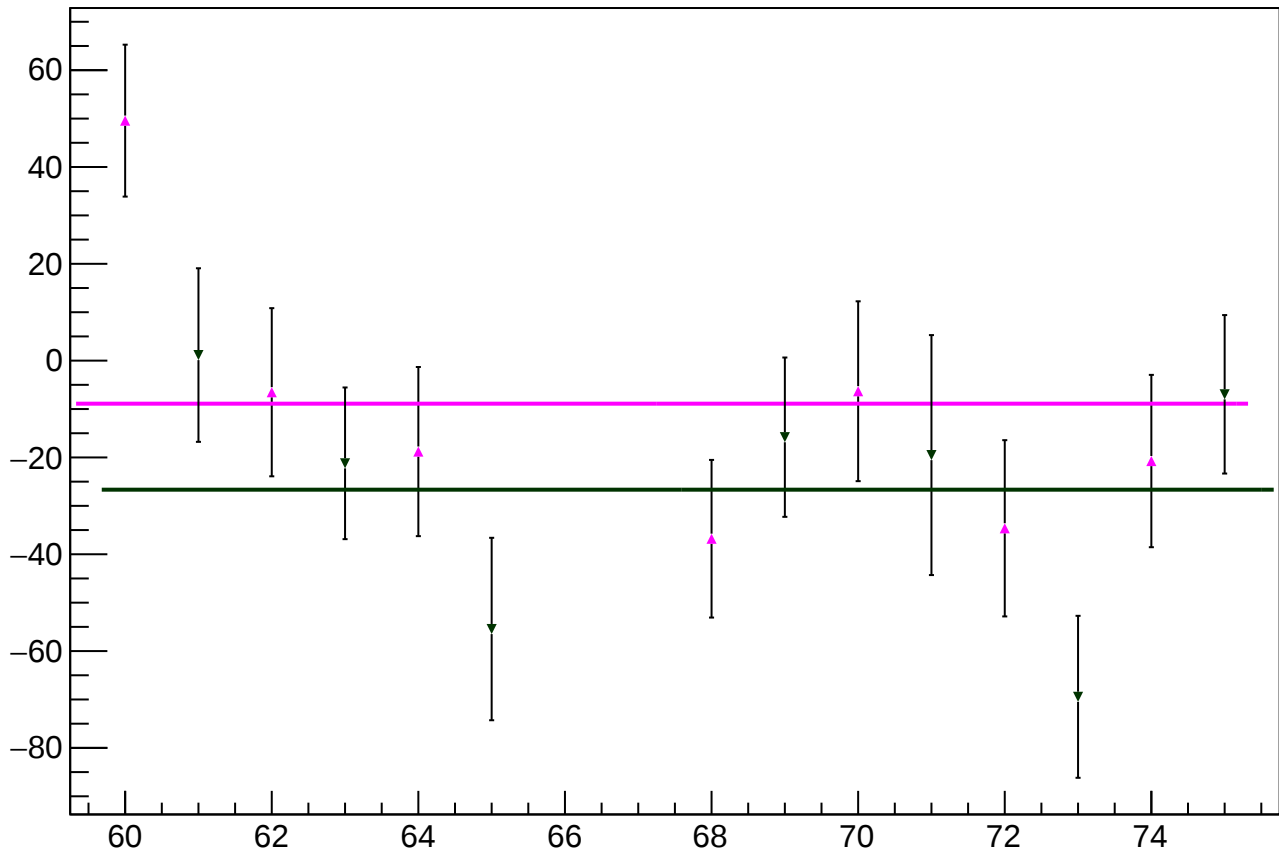
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2130.929+/-0.828  $\chi^2/\text{NDF}$ : 677.0/6

2090.063+/-0.851  $\chi^2/\text{NDF}$ : 6787.4/6

2130.929+/-0.828  $\chi^2/\text{NDF}$ : 677.0/6

# diff\_bpm0l10X\_mean vs slug



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

Left Out: -26.660+/-6.648  $\chi^2/\text{NDF}$ : 13.4/6

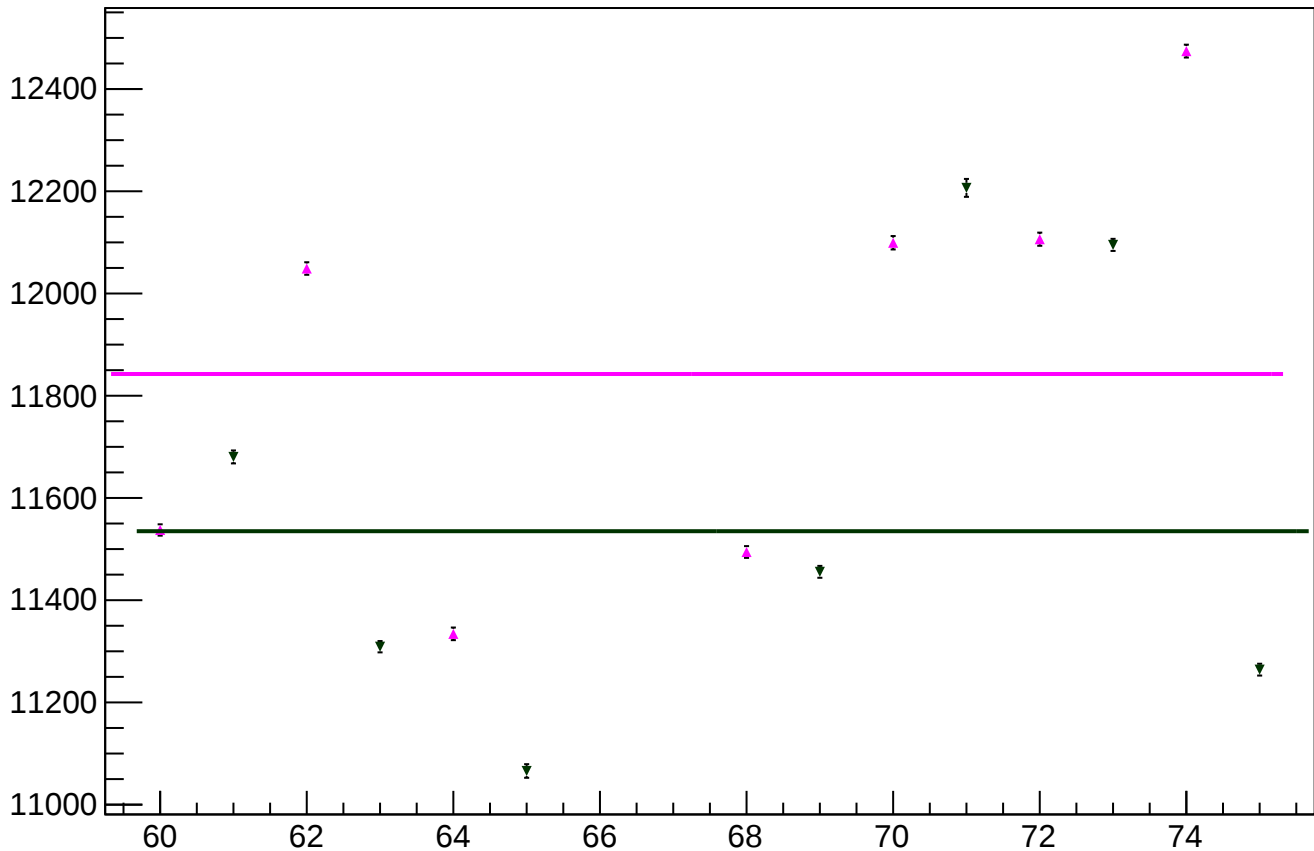
-26.660+/-6.648  $\chi^2/\text{NDF}$ : 13.4/6

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

-8.893+/-6.524  $\chi^2/\text{NDF}$ : 19.6/6

Left In: -8.893+/-6.524  $\chi^2/\text{NDF}$ : 19.6/6

# diff\_bpm0l10X\_rms vs slug



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

Left Out: 11534.972+/-4.701  $\chi^2/\text{NDF}$ : 6091.8/6

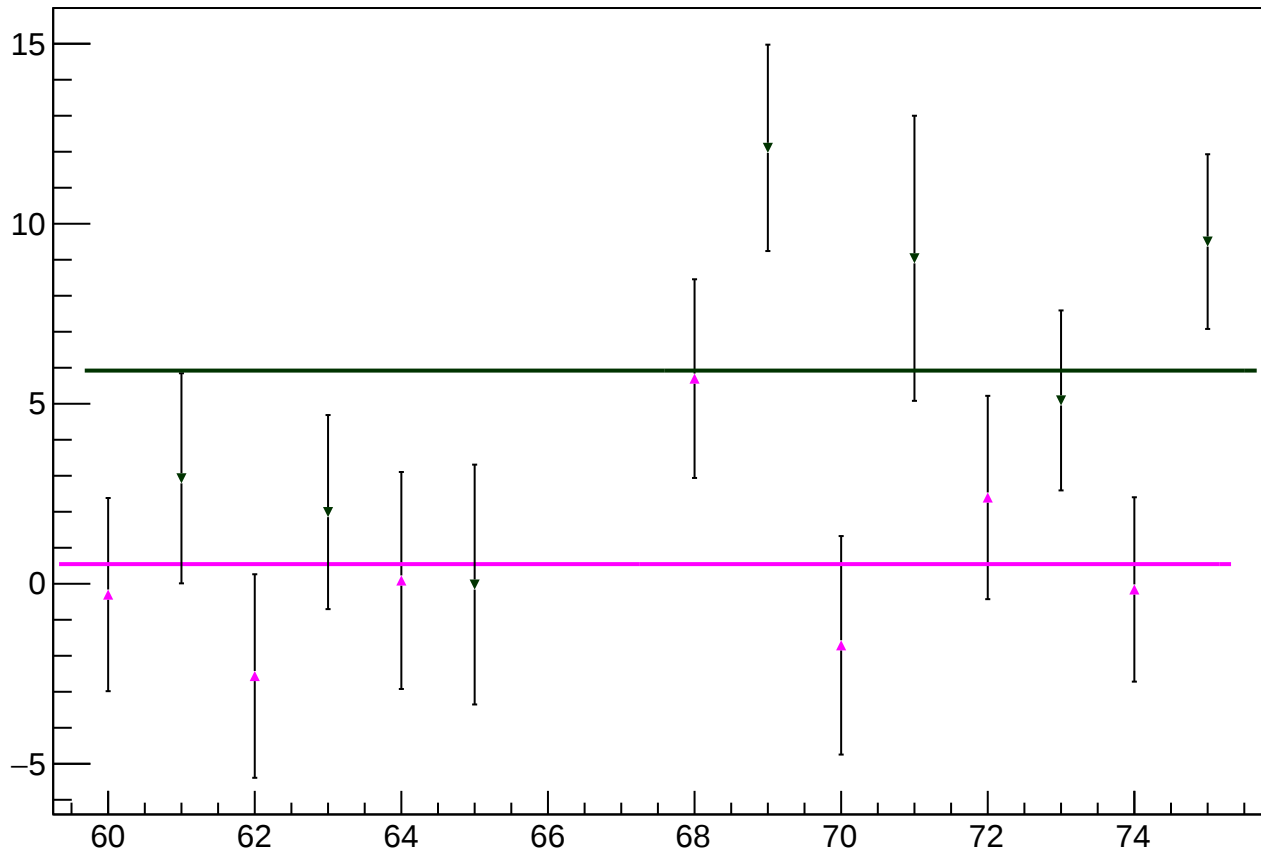
11534.972+/-4.701  $\chi^2/\text{NDF}$ : 6091.8/6

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

11842.506+/-4.613  $\chi^2/\text{NDF}$ : 6967.4/6

Left In: 11842.506+/-4.613  $\chi^2/\text{NDF}$ : 6967.4/6

# diff\_bpm0l10Y\_mean vs slug



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

Left Out: 5.921+/-1.078  $\chi^2/\text{NDF}$ : 13.9/6

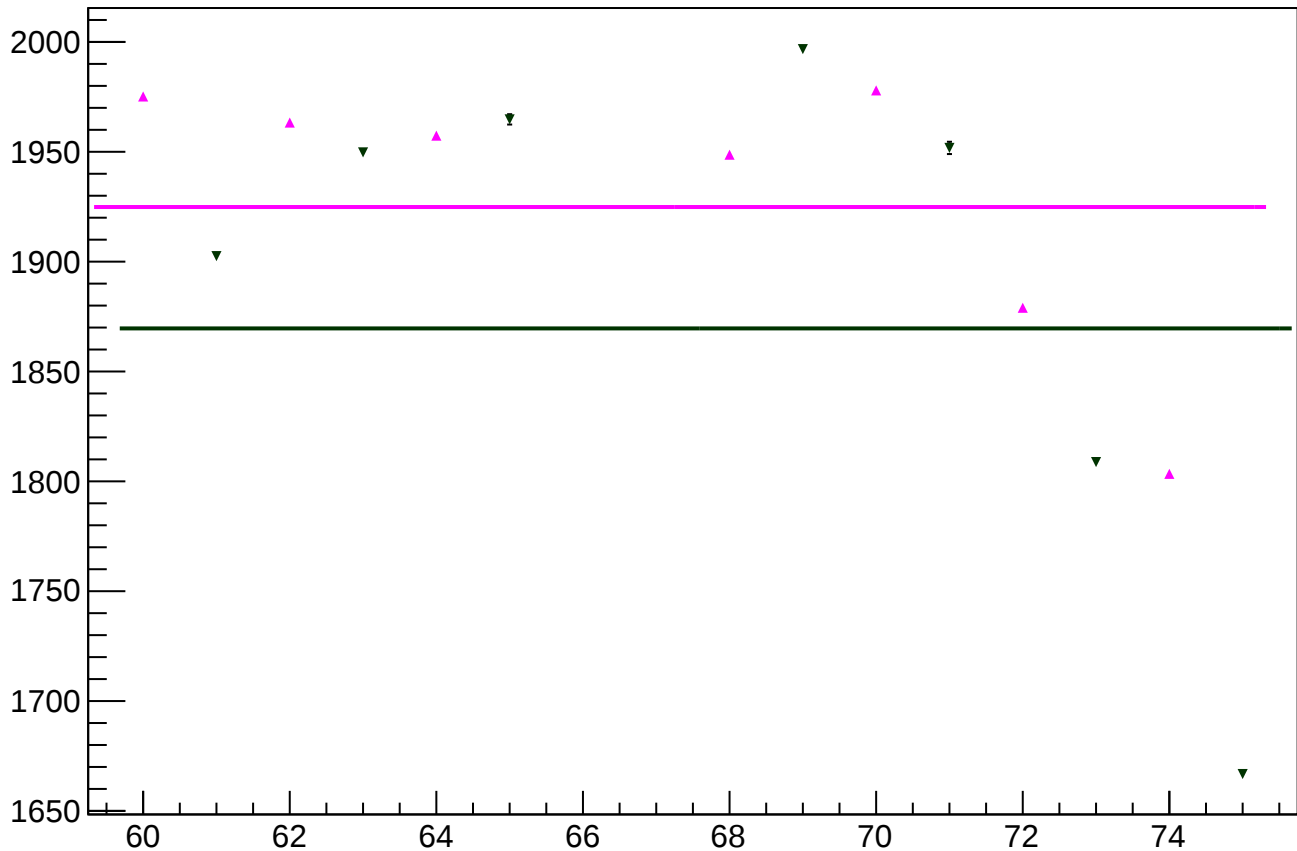
5.921+/-1.078  $\chi^2/\text{NDF}$ : 13.9/6

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

Left In: 0.546+/-1.059  $\chi^2/\text{NDF}$ : 5.9/6

0.546+/-1.059  $\chi^2/\text{NDF}$ : 5.9/6

# diff\_bpm0l10Y\_rms vs slug



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

Left Out: 1869.608+/-0.762  $\chi^2/\text{NDF}$ :23609.5/6

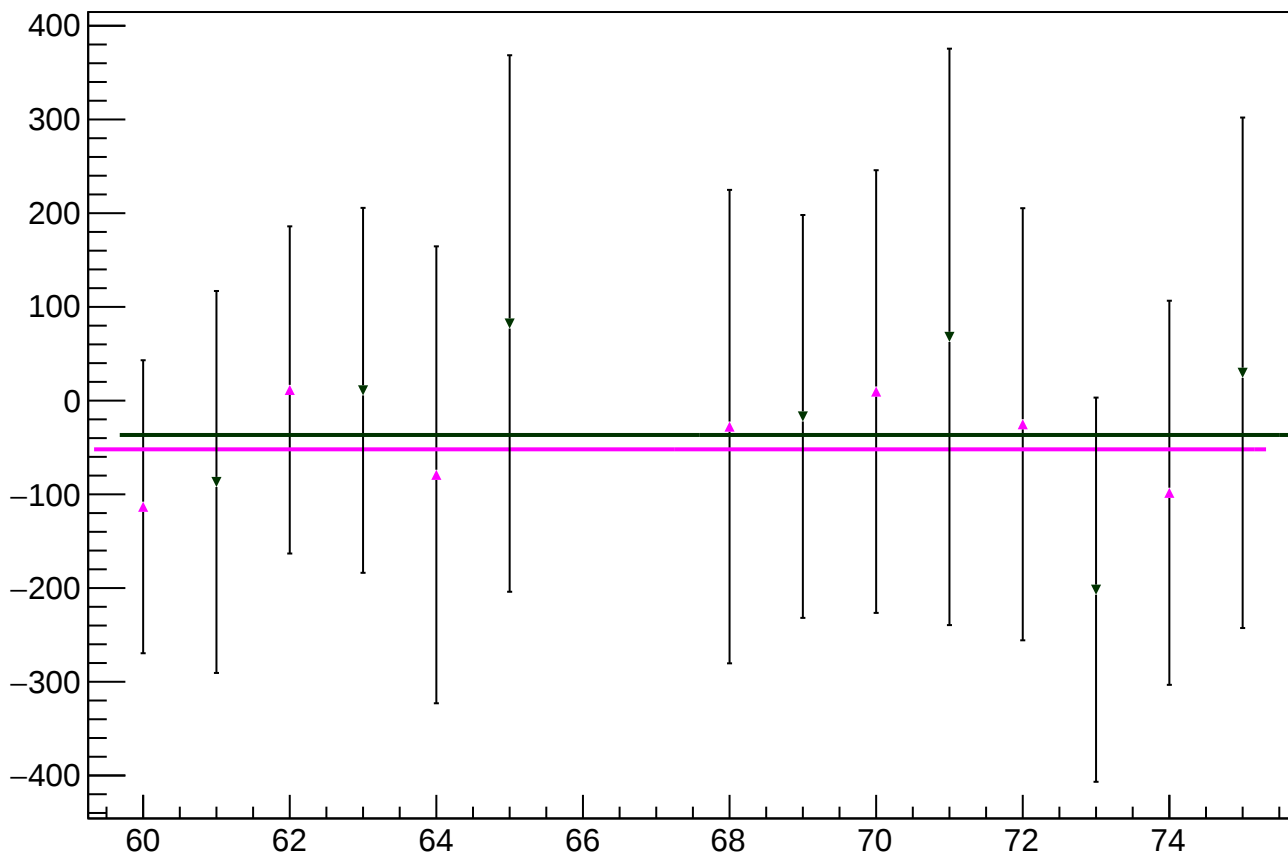
1869.608+/-0.762  $\chi^2/\text{NDF}$ : 23609.5/6

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

1924.864+/-0.749  $\chi^2/\text{NDF}$ : 7093.4/6

Left In: 1924.864+/-0.749  $\chi^2/\text{NDF}$ :7093.4/6

asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_mean vs slug



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

Left Out: -36.653+/-86.987  $\chi^2/\text{NDF}$ : 1.1/6

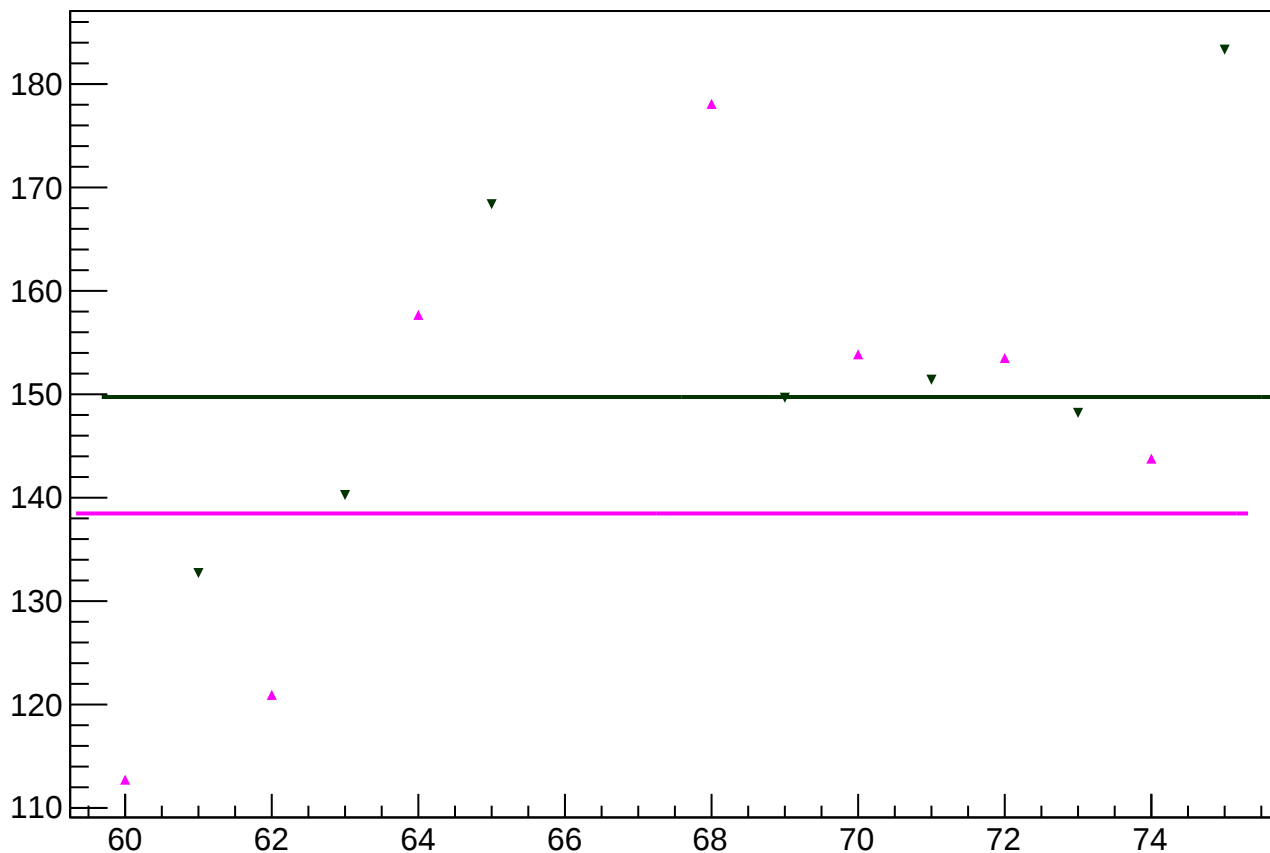
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -51.973+/-77.431  $\chi^2/\text{NDF}$ : 0.4/6

-36.653+/-86.987  $\chi^2/\text{NDF}$ : 1.1/6

-51.973+/-77.431  $\chi^2/\text{NDF}$ : 0.4/6

asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_rms vs slug



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

Left Out: 149.737+/-0.062  $\chi^2/\text{NDF}$ : 57768.2/6

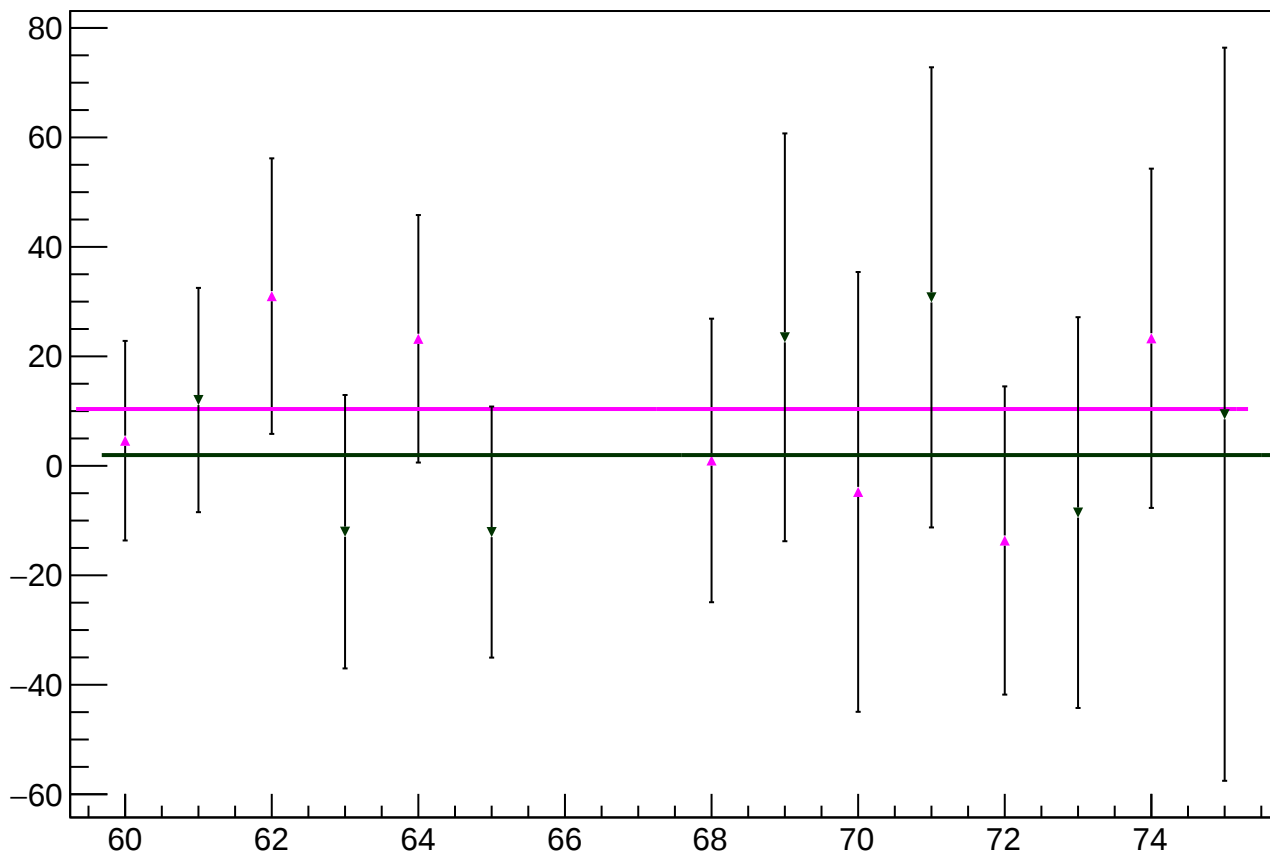
149.737+/-0.062  $\chi^2/\text{NDF}$ : 57768.2/6

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

138.477+/-0.055  $\chi^2/\text{NDF}$ : 154351.9/6

Left In: 138.477+/-0.055  $\chi^2/\text{NDF}$ : 154351.9/6

asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_mean vs slug



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

Left Out: 1.966+/-11.056  $\chi^2/\text{NDF}$ : 1.8/6

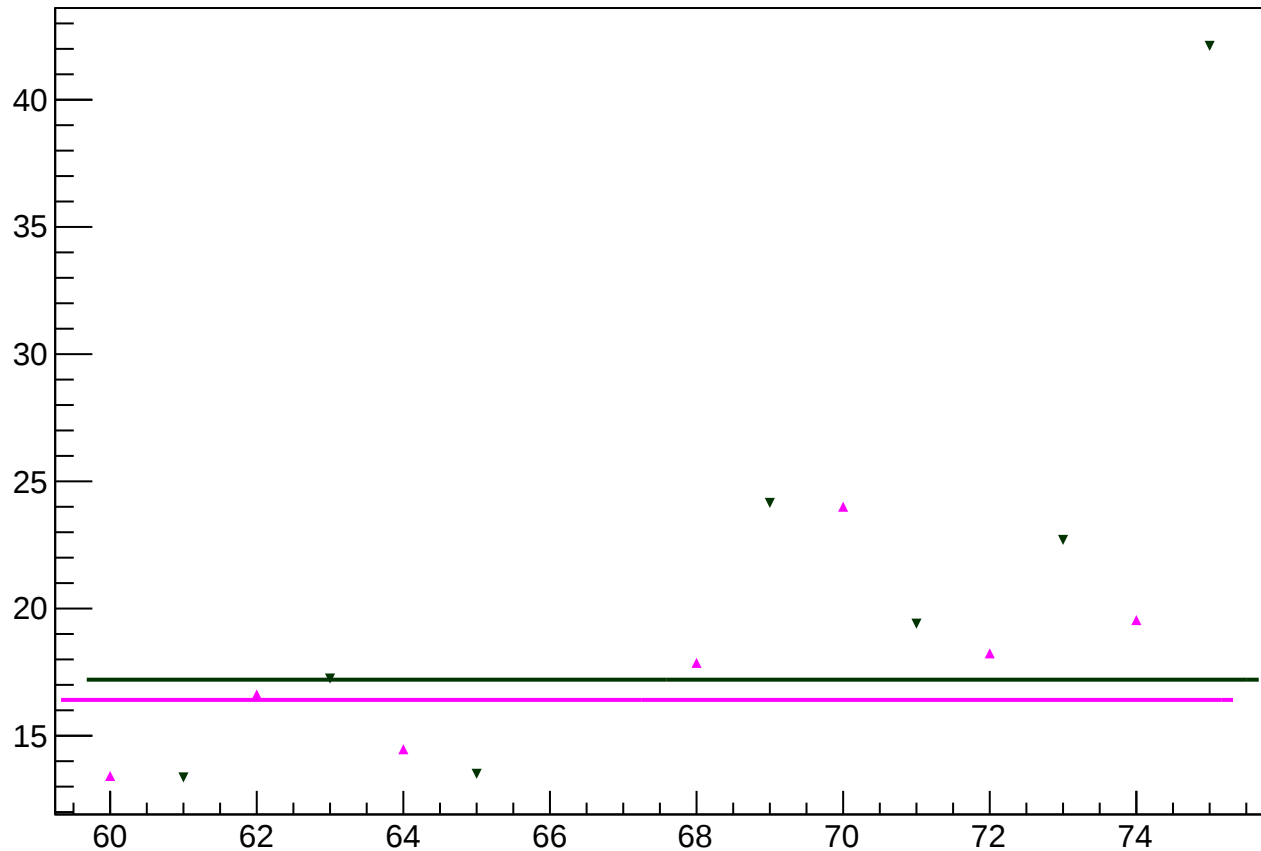
1.966+/-11.056  $\chi^2/\text{NDF}$ : 1.8/6

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

Left In: 10.381+/-9.554  $\chi^2/\text{NDF}$ : 2.3/6

10.381+/-9.554  $\chi^2/\text{NDF}$ : 2.3/6

asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_rms vs slug



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

Left Out: 17.204+/-0.008  $\chi^2/\text{NDF}$ : 521620.5/6

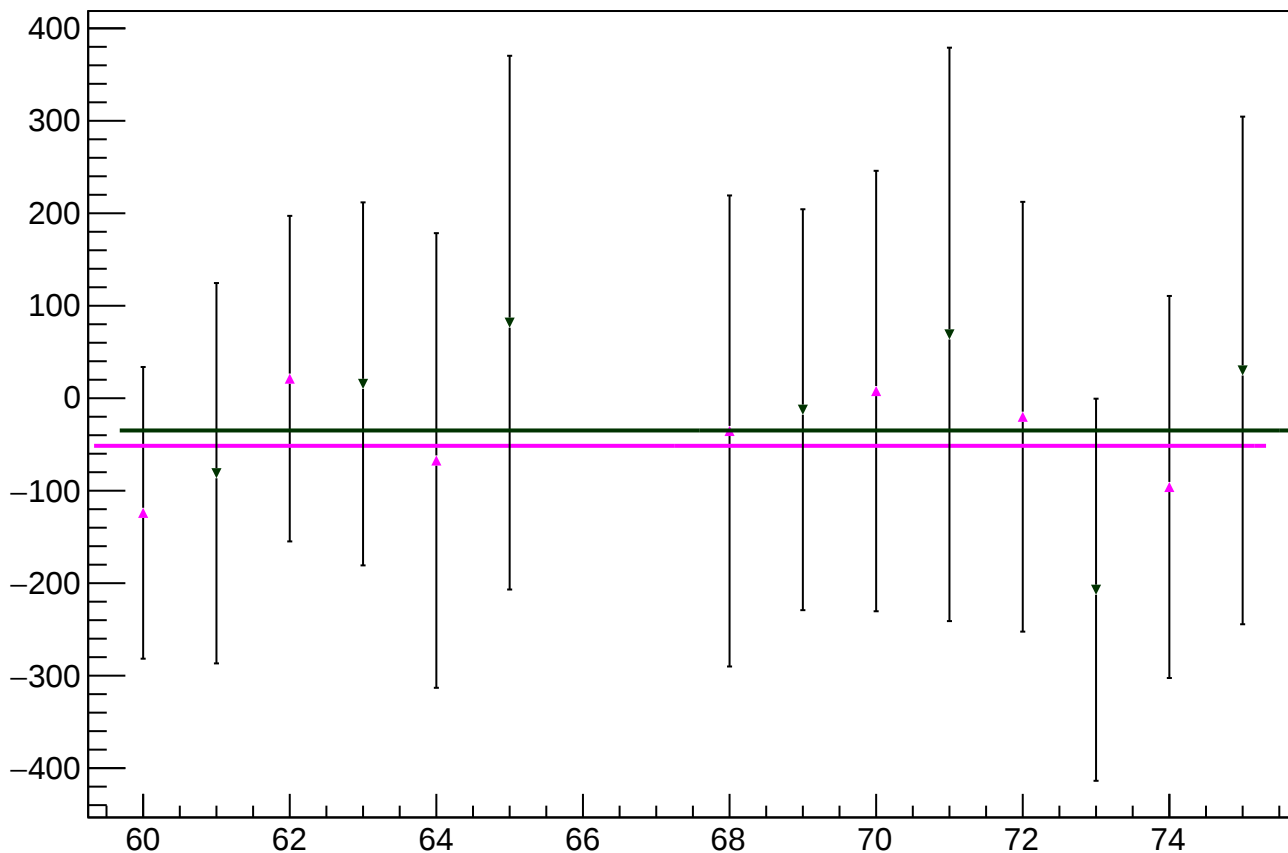
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 16.409+/-0.007  $\chi^2/\text{NDF}$ : 175391.7/6

17.204+/-0.008  $\chi^2/\text{NDF}$ : 521620.5/6

16.409+/-0.007  $\chi^2/\text{NDF}$ : 175391.7/6

asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_mean vs slug



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

Left Out: -34.859+/-87.706  $\chi^2/\text{NDF}$ : 1.2/6

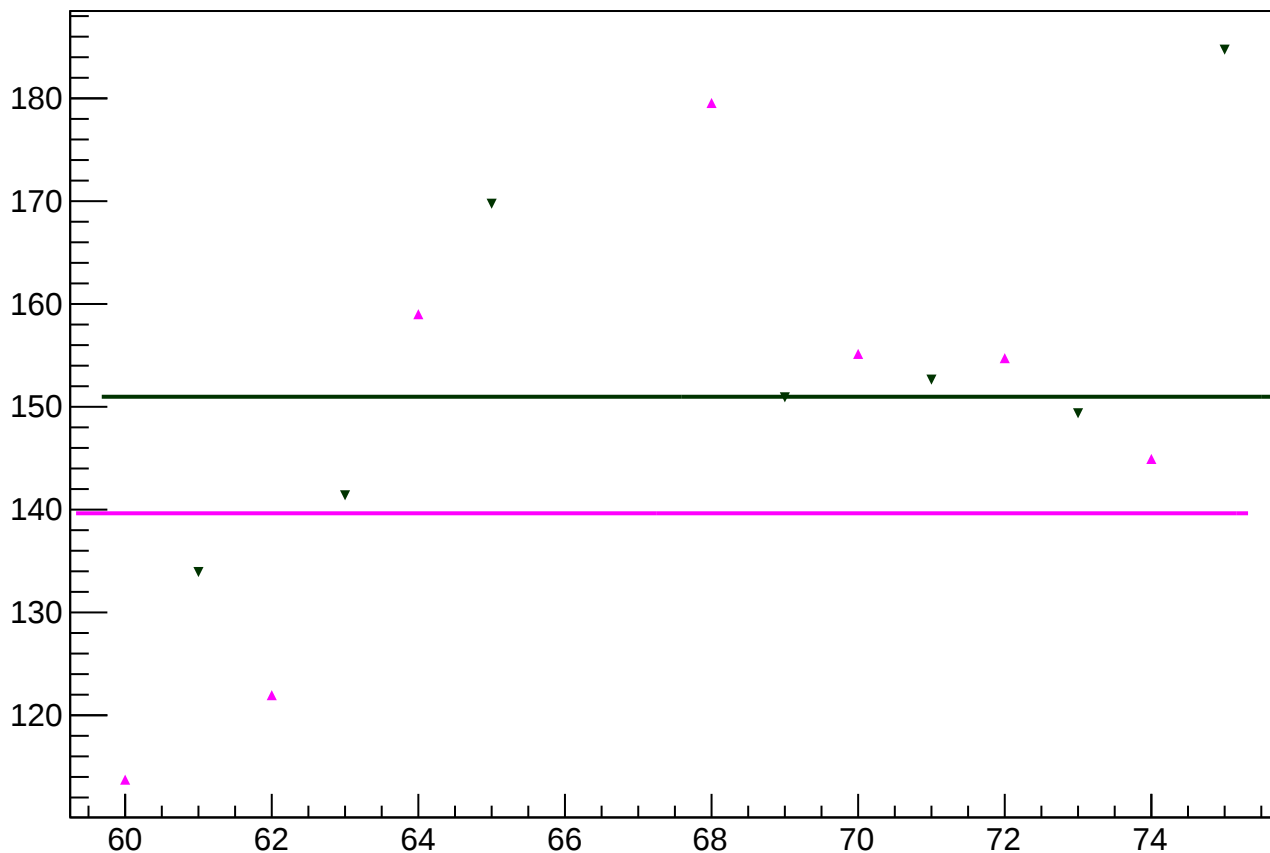
-34.859+/-87.706  $\chi^2/\text{NDF}$ : 1.2/6

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

-51.459+/-78.081  $\chi^2/\text{NDF}$ : 0.5/6

Left In: -51.459+/-78.081  $\chi^2/\text{NDF}$ : 0.5/6

asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_rms vs slug



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

Left Out: 150.979+/-0.062  $\chi^2/\text{NDF}$ : 57410.8/6

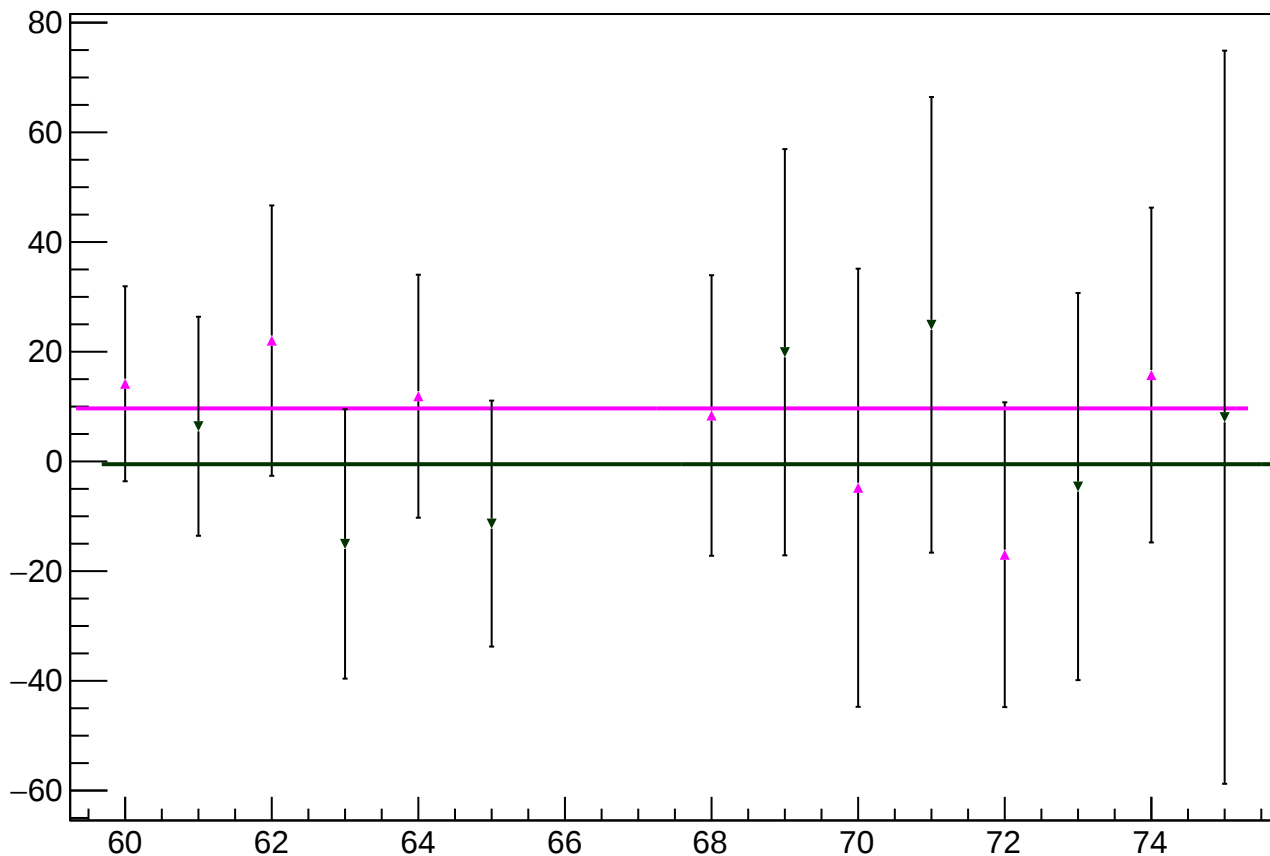
150.979+/-0.062  $\chi^2/\text{NDF}$ : 57410.8/6

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

139.644+/-0.055  $\chi^2/\text{NDF}$ : 153887.3/6

Left In: 139.644+/-0.055  $\chi^2/\text{NDF}$ : 153887.3/6

asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_mean vs slug



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

Left Out: -0.506+/-10.853  $\chi^2/\text{NDF}$ : 1.4/6

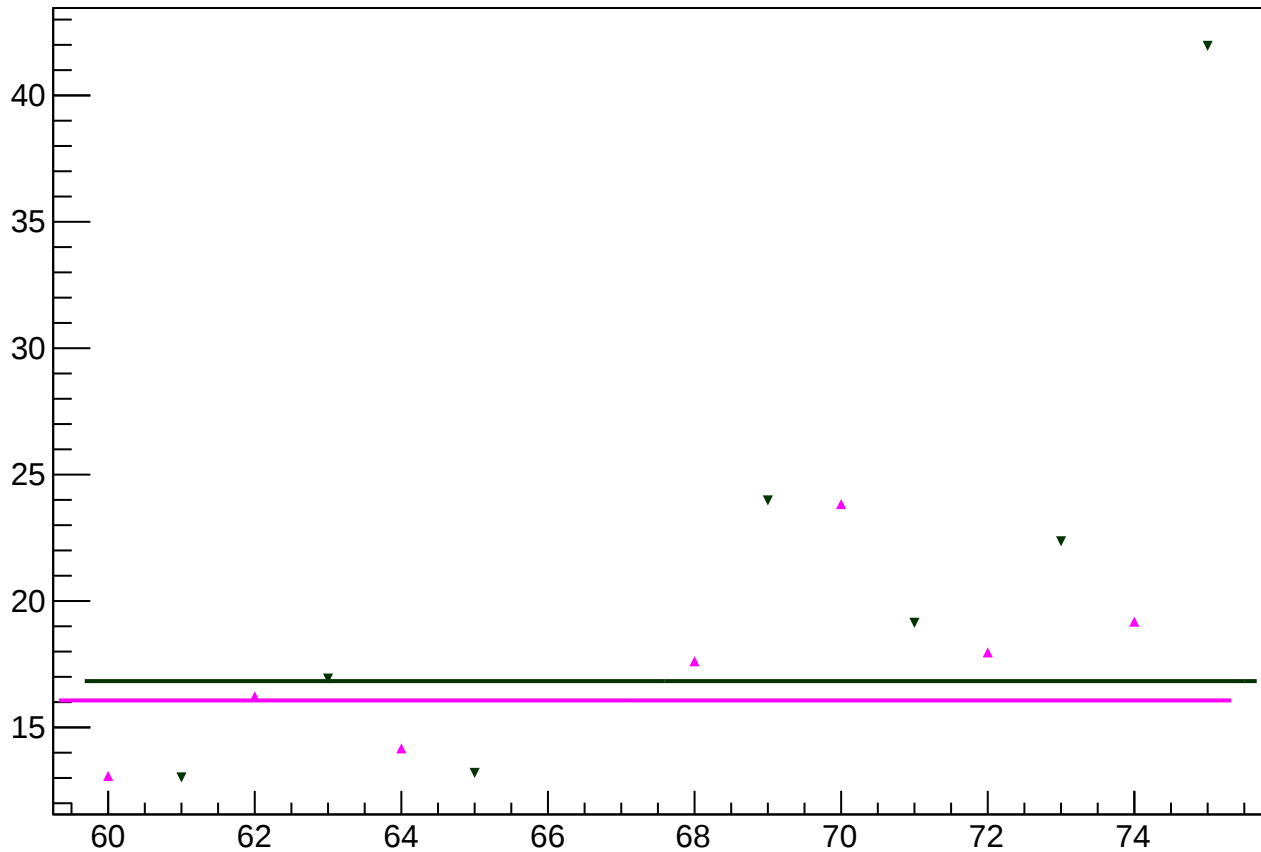
-0.506+/-10.853  $\chi^2/\text{NDF}$ : 1.4/6

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

Left In: 9.669+/-9.377  $\chi^2/\text{NDF}$ : 1.4/6

9.669+/-9.377  $\chi^2/\text{NDF}$ : 1.4/6

asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_rms vs slug



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

Left Out: 16.832+/-0.008  $\chi^2/\text{NDF}$ : 537911.7/6

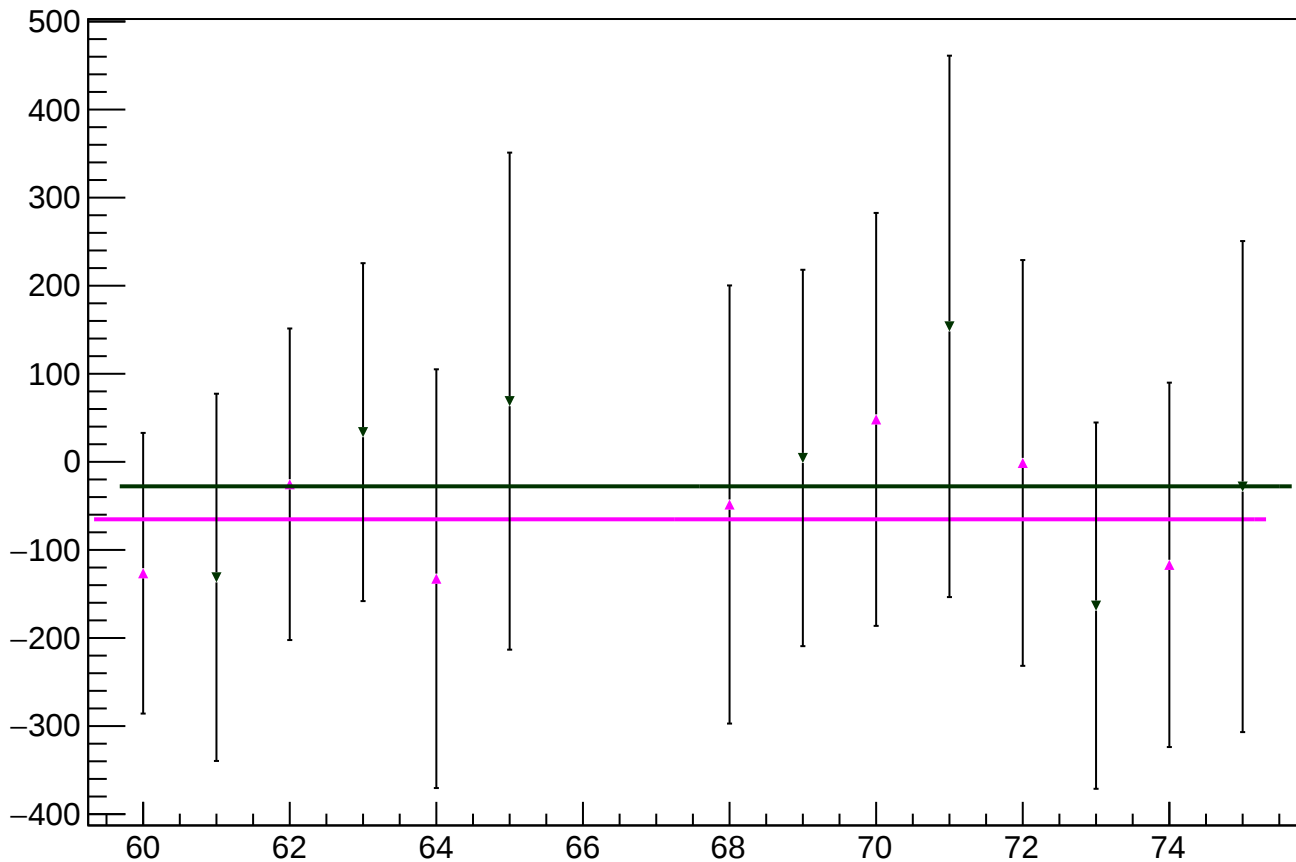
16.832+/-0.008  $\chi^2/\text{NDF}$ : 537911.7/6

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

16.067+/-0.007  $\chi^2/\text{NDF}$ : 184392.5/6

Left In: 16.067+/-0.007  $\chi^2/\text{NDF}$ : 184392.5/6

asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_mean vs slug



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

Left Out: -27.791+/-87.298  $\chi^2/\text{NDF}$ : 1.3/6

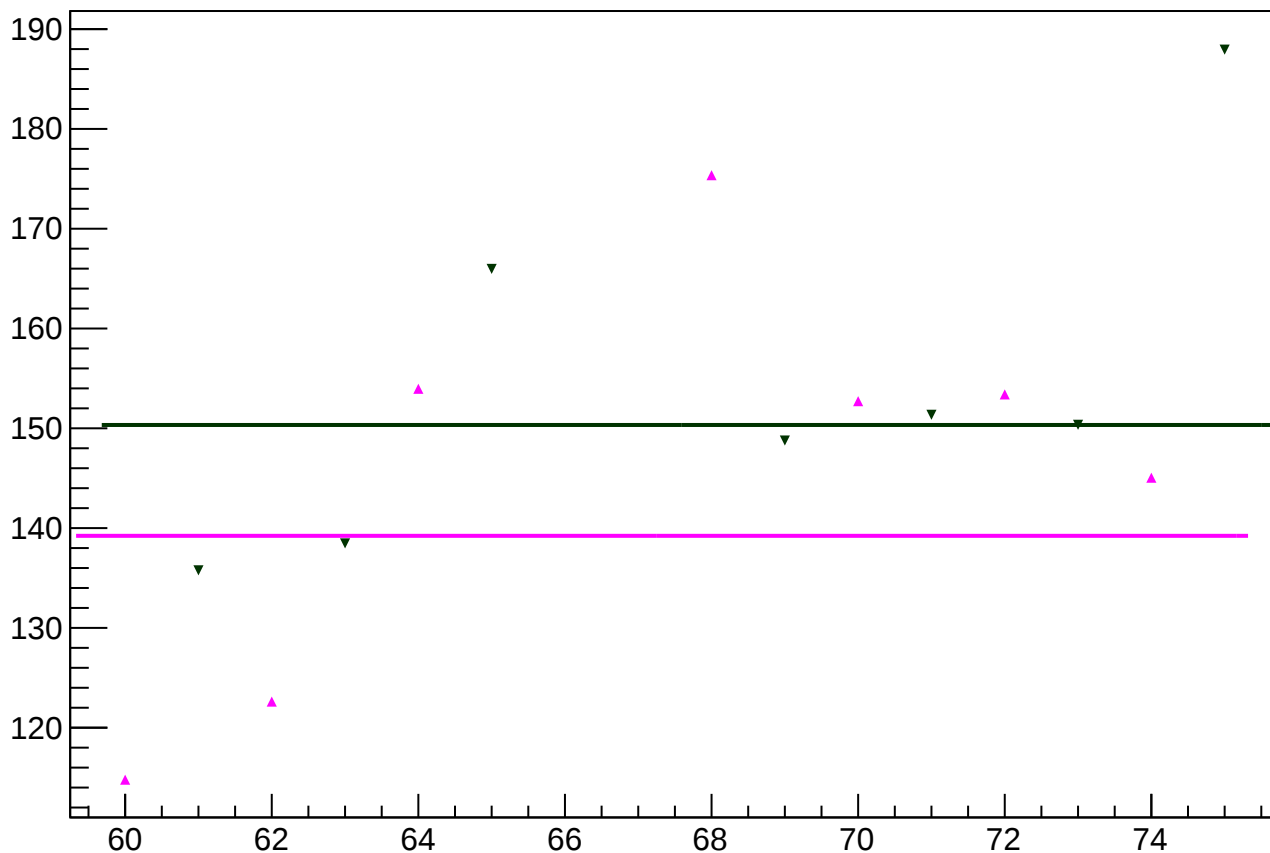
-27.791+/-87.298  $\chi^2/\text{NDF}$ : 1.3/6

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

-65.237+/-77.705  $\chi^2/\text{NDF}$ : 0.7/6

Left In: -65.237+/-77.705  $\chi^2/\text{NDF}$ : 0.7/6

asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_rms vs slug



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

Left Out: 150.334+/-0.062  $\chi^2/\text{NDF}$ : 60091.1/6

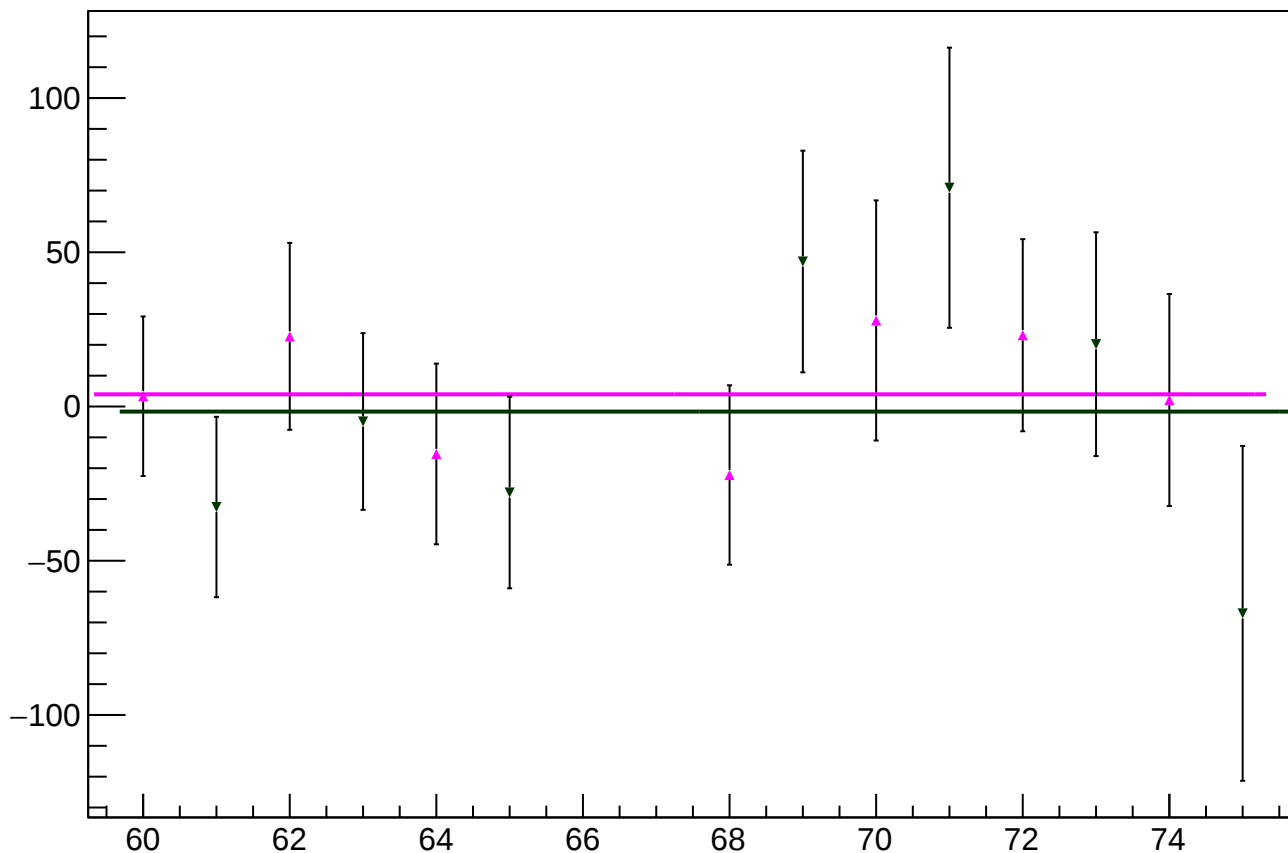
150.334+/-0.062  $\chi^2/\text{NDF}$ : 60091.1/6

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

139.227+/-0.055  $\chi^2/\text{NDF}$ : 130348.9/6

Left In: 139.227+/-0.055  $\chi^2/\text{NDF}$ : 130348.9/6

asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_mean vs slug



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

Left Out: -1.647+/-13.147  $\chi^2/\text{NDF}$ : 8.0/6

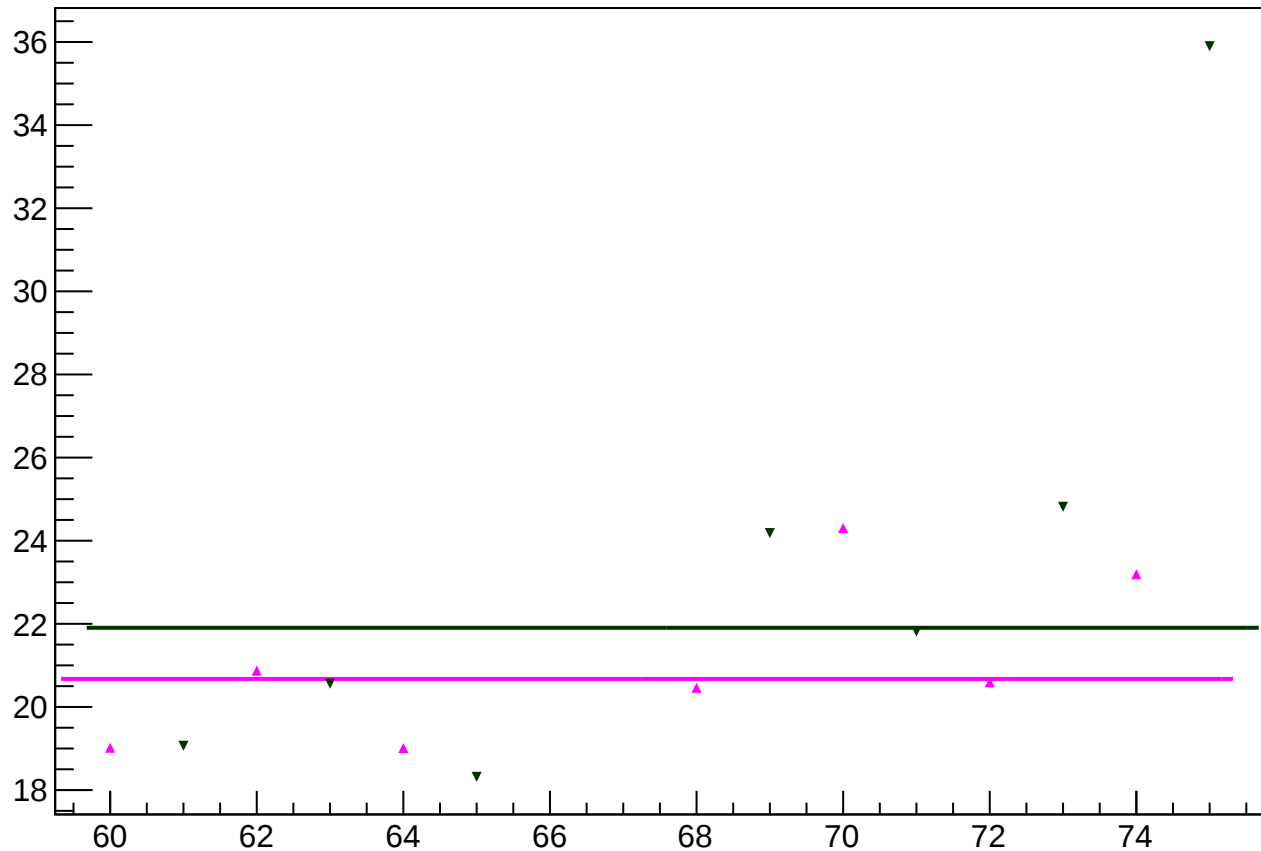
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3.963+/-11.570  $\chi^2/\text{NDF}$ : 2.4/6

-1.647+/-13.147  $\chi^2/\text{NDF}$ : 8.0/6

3.963+/-11.570  $\chi^2/\text{NDF}$ : 2.4/6

asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_rms vs slug



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

Left Out: 21.905+/-0.009  $\chi^2/\text{NDF}$ : 203824.4/6

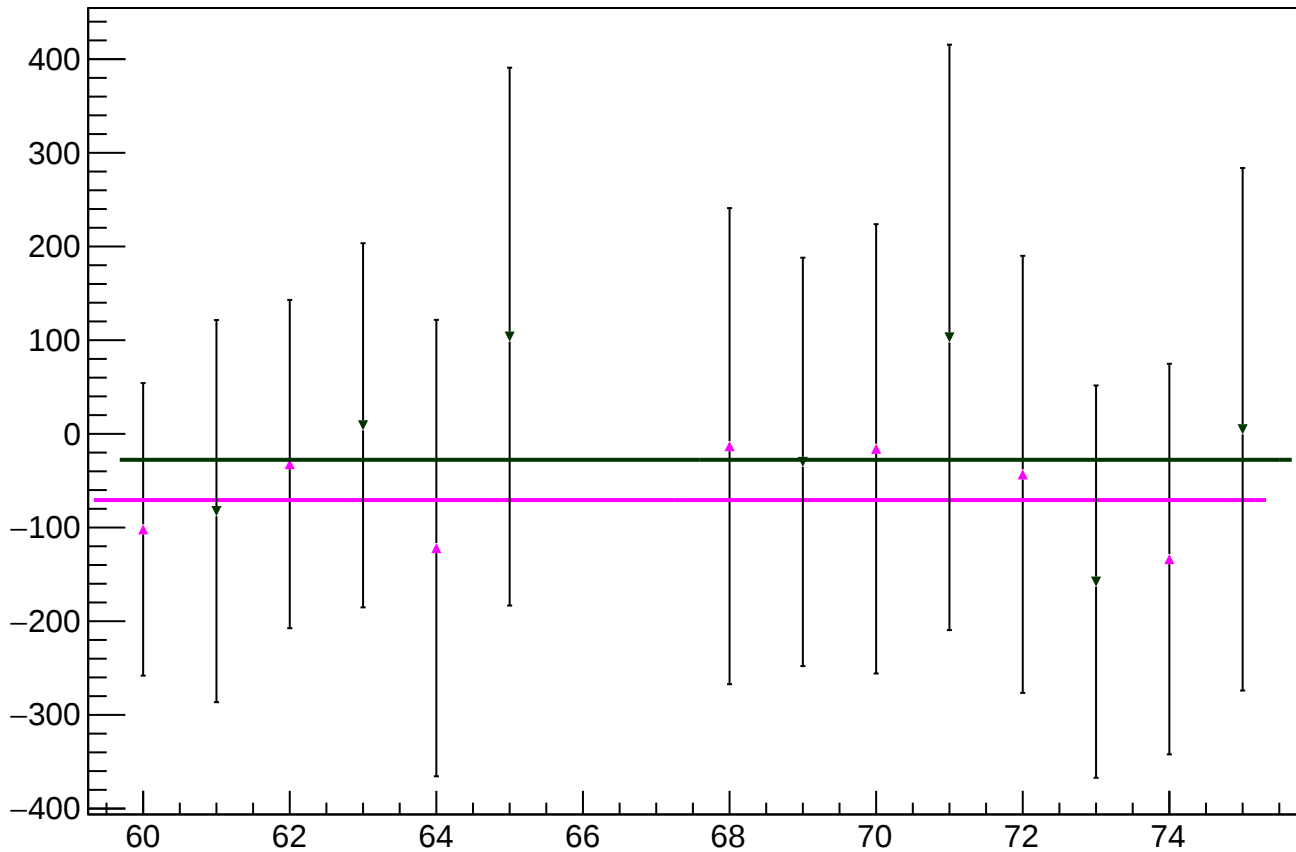
21.905+/-0.009  $\chi^2/\text{NDF}$ : 203824.4/6

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

20.675+/-0.008  $\chi^2/\text{NDF}$ : 43020.0/6

Left In: 20.675+/-0.008  $\chi^2/\text{NDF}$ : 43020.0/6

asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_mean vs slug



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

Left Out: -27.698+/-87.844  $\chi^2/\text{NDF}$ : 0.9/6

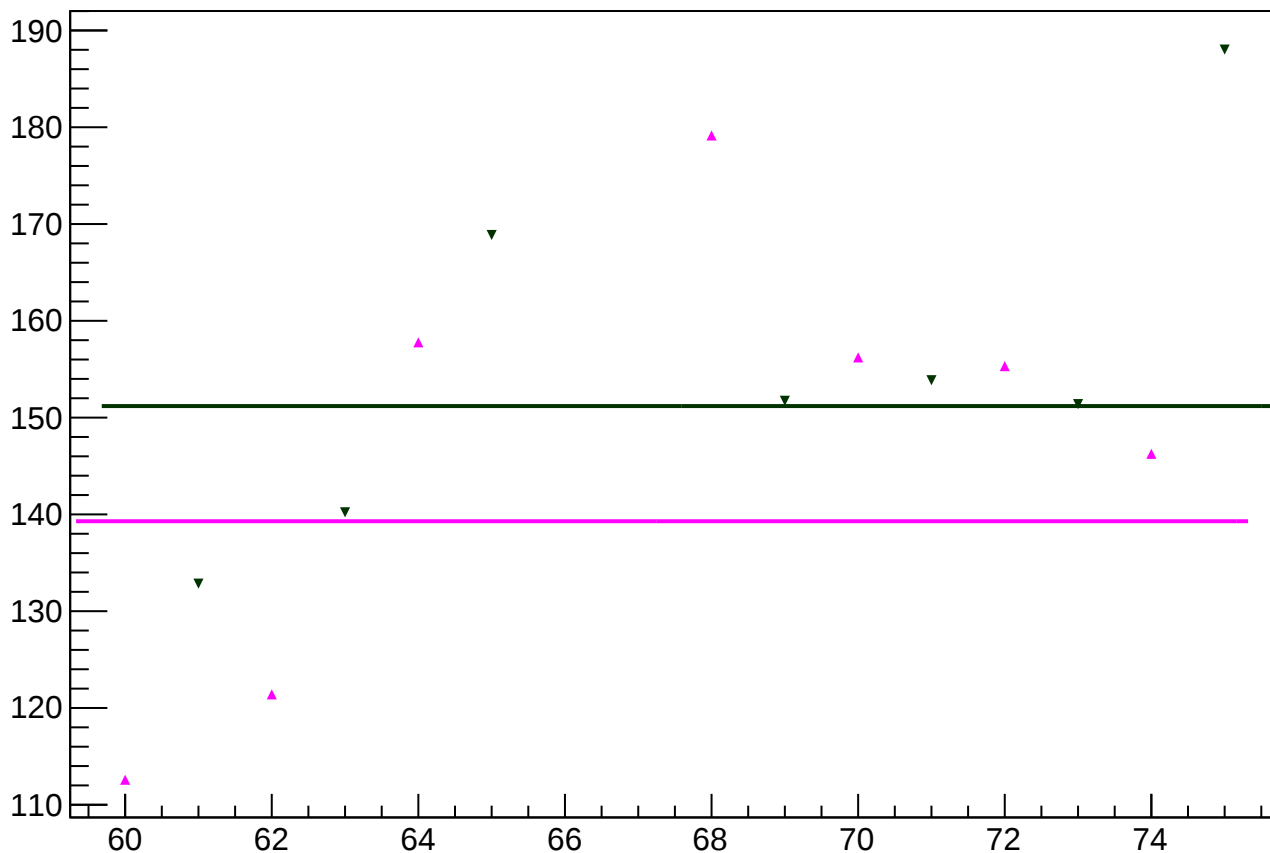
-27.698+/-87.844  $\chi^2/\text{NDF}$ : 0.9/6

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

-70.660+/-77.922  $\chi^2/\text{NDF}$ : 0.3/6

Left In: -70.660+/-77.922  $\chi^2/\text{NDF}$ : 0.3/6

asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_rms vs slug



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

Left Out: 151.193+/-0.062  $\chi^2/\text{NDF}$ : 65177.4/6

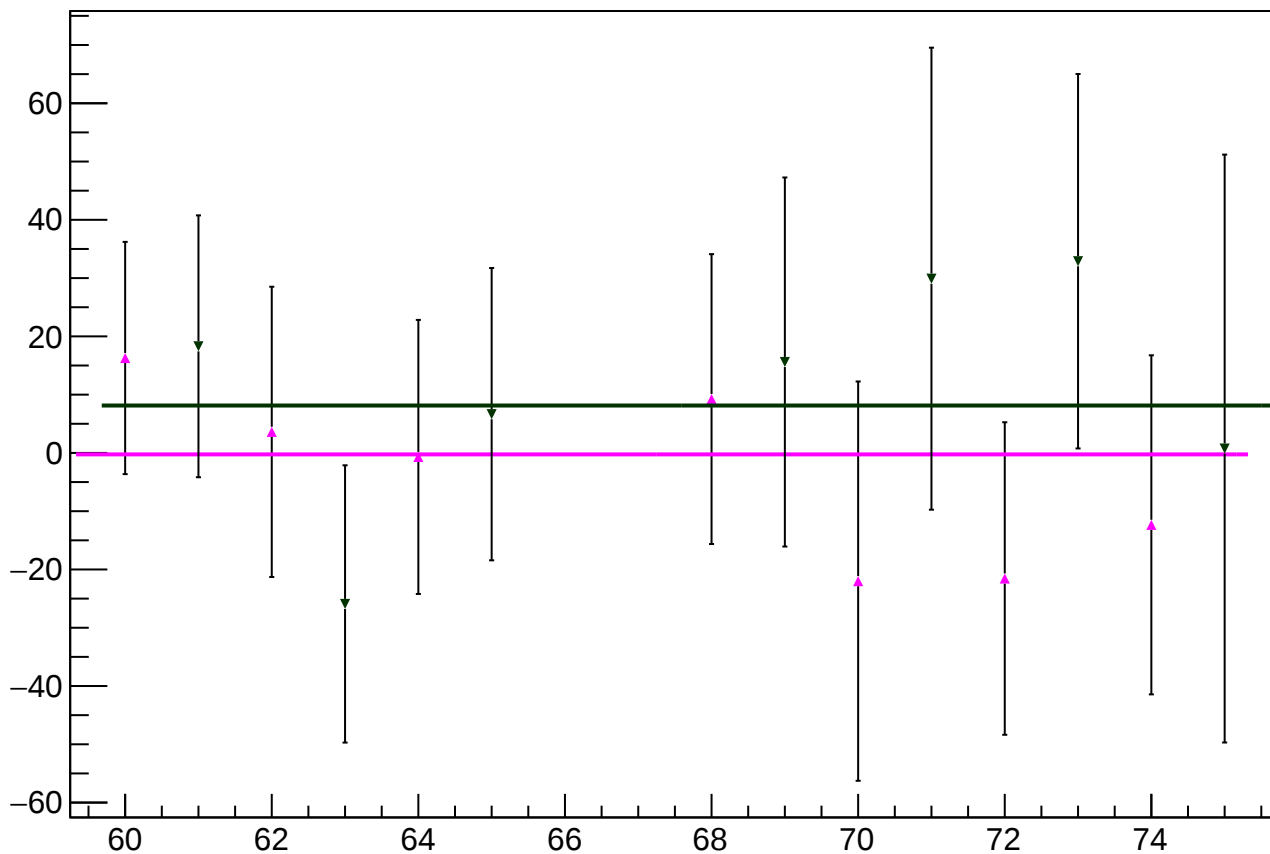
151.193+/-0.062  $\chi^2/\text{NDF}$ : 65177.4/6

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

139.294+/-0.055  $\chi^2/\text{NDF}$ : 161694.4/6

Left In: 139.294+/-0.055  $\chi^2/\text{NDF}$ : 161694.4/6

asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_mean vs slug



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

Left Out: 8.134+/-10.955  $\chi^2/\text{NDF}$ : 3.2/6

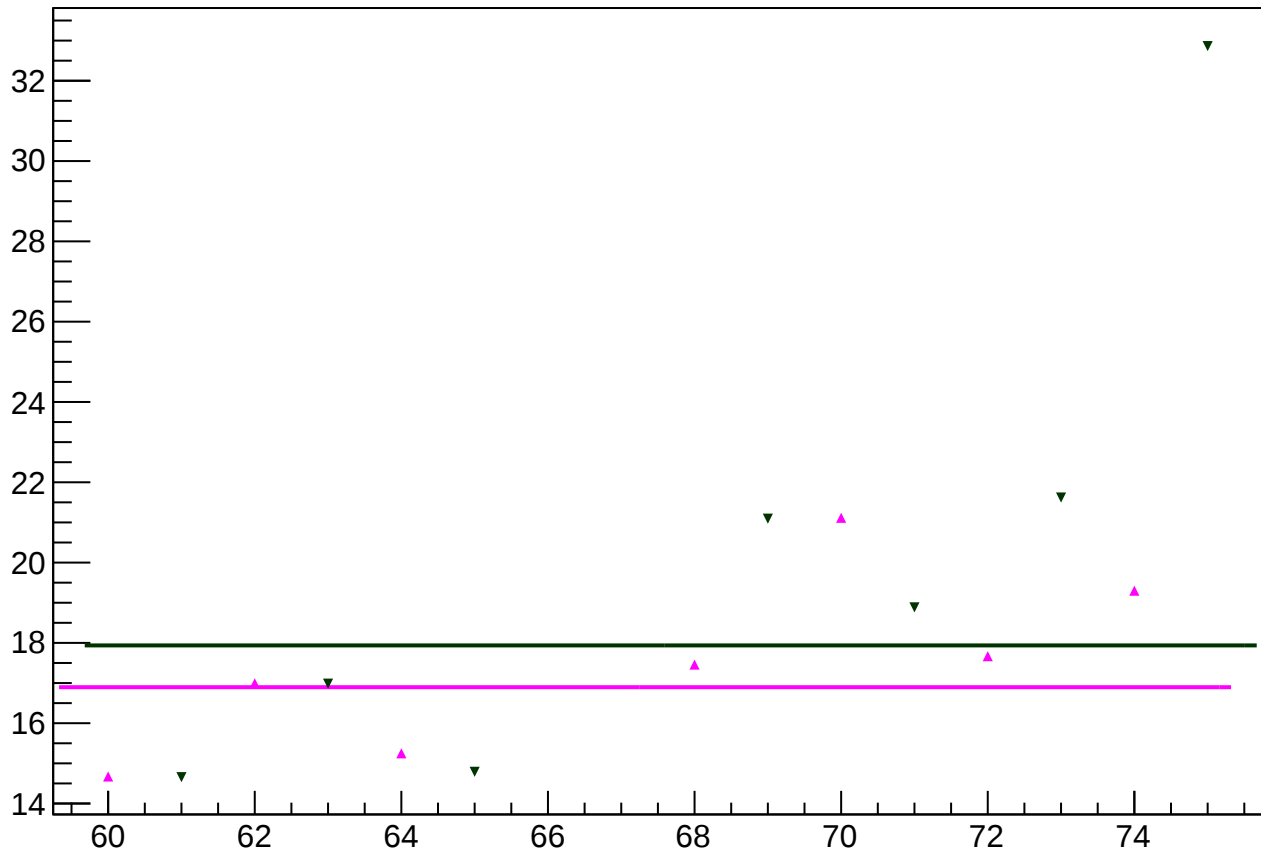
8.134+/-10.955  $\chi^2/\text{NDF}$ : 3.2/6

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

-0.253+/-9.543  $\chi^2/\text{NDF}$ : 2.1/6

Left In: -0.253+/-9.543  $\chi^2/\text{NDF}$ : 2.1/6

asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_rms vs slug



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

Left Out: 17.937+/-0.008  $\chi^2/\text{NDF}$ :299770.1/6

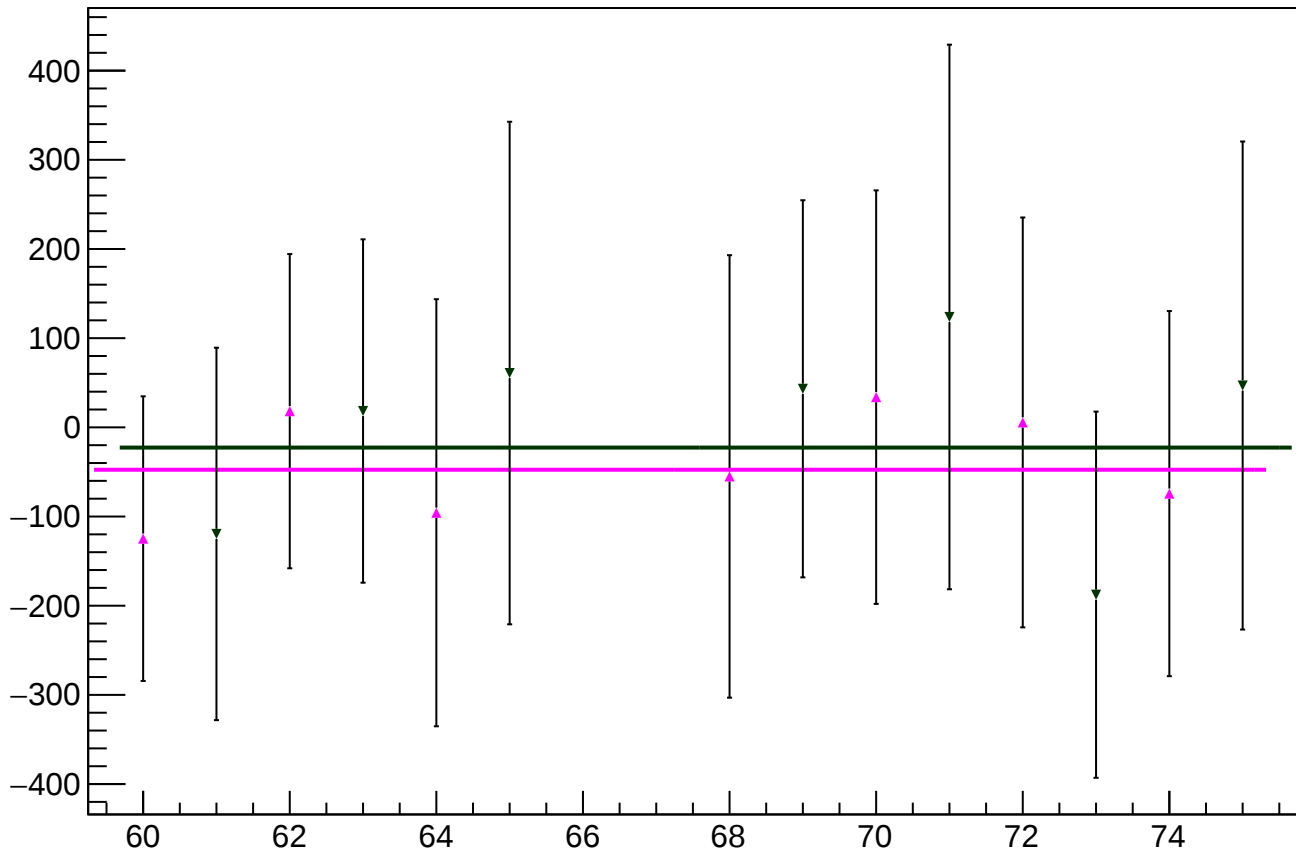
17.937+/-0.008  $\chi^2/\text{NDF}$ : 299770.1/6

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

16.897+/-0.007  $\chi^2/\text{NDF}$ : 81403.8/6

Left In: 16.897+/-0.007  $\chi^2/\text{NDF}$ :81403.8/6

asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_mean vs slug



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

Left Out: -22.696+/-86.814  $\chi^2/\text{NDF}$ : 1.4/6

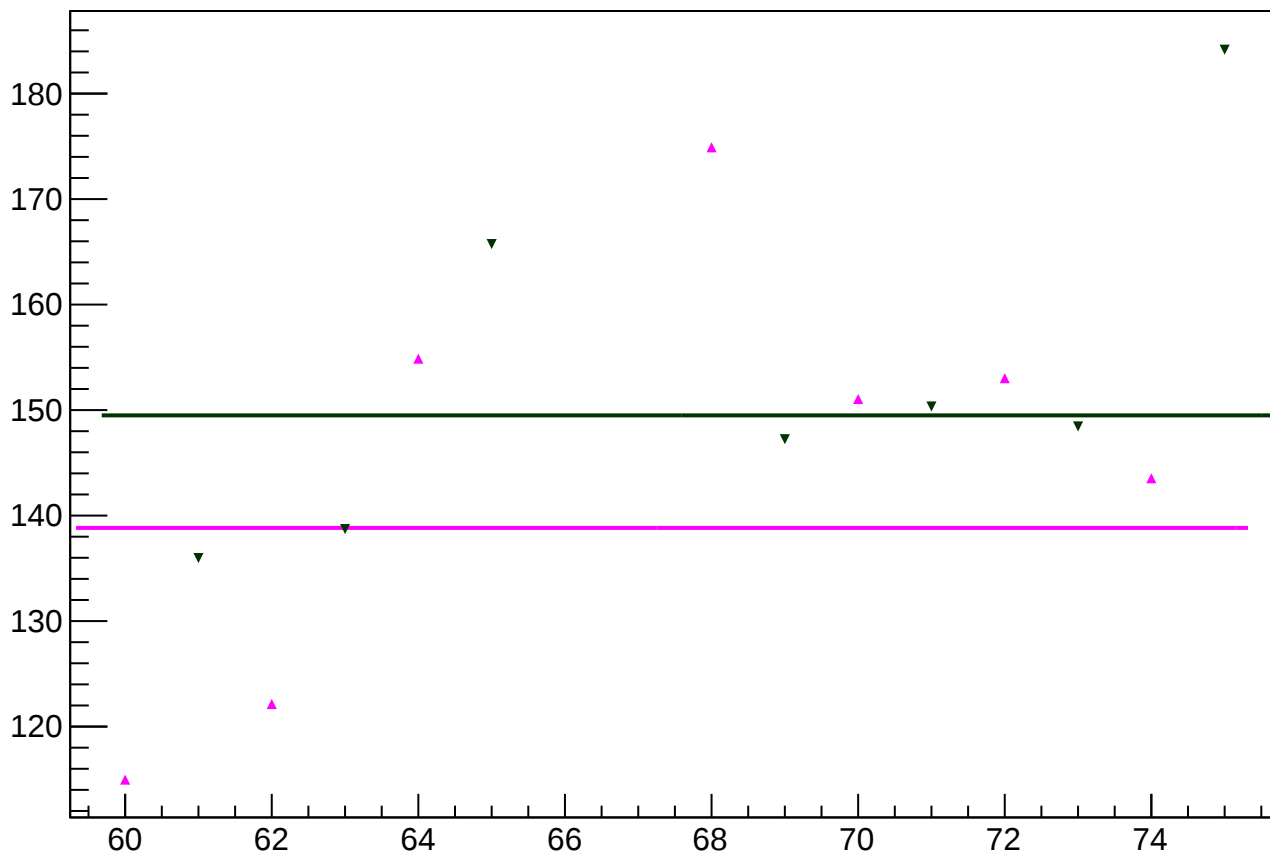
-22.696+/-86.814  $\chi^2/\text{NDF}$ : 1.4/6

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

-47.532+/-77.484  $\chi^2/\text{NDF}$ : 0.6/6

Left In: -47.532+/-77.484  $\chi^2/\text{NDF}$ : 0.6/6

asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_rms vs slug



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

Left Out: 149.499+/-0.061  $\chi^2/\text{NDF}$ : 53685.4/6

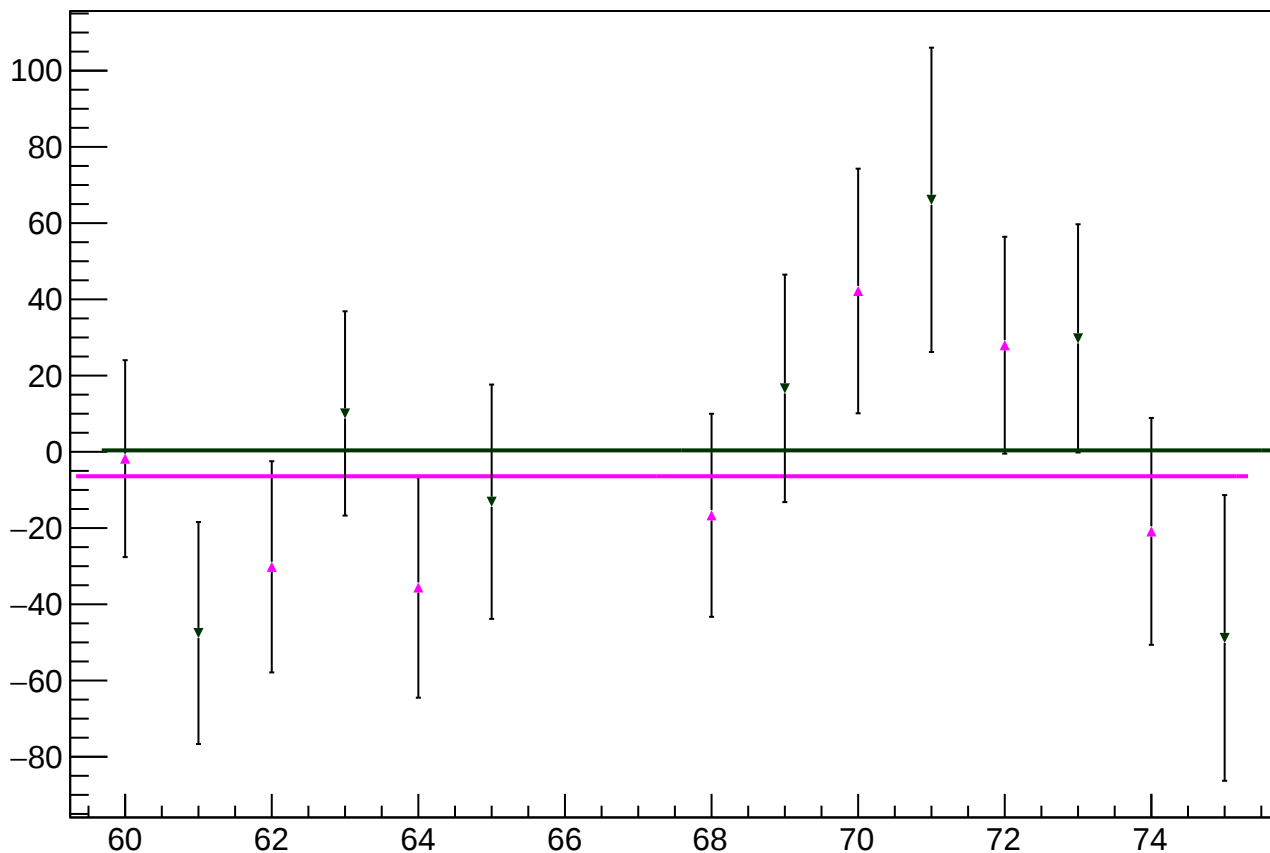
149.499+/-0.061  $\chi^2/\text{NDF}$ : 53685.4/6

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

Left In: 138.832+/-0.055  $\chi^2/\text{NDF}$ : 128159.3/6

138.832+/-0.055  $\chi^2/\text{NDF}$ : 128159.3/6

asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_mean vs slug



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

Left Out: 0.381+/-11.778  $\chi^2/\text{NDF}$ : 8.7/6

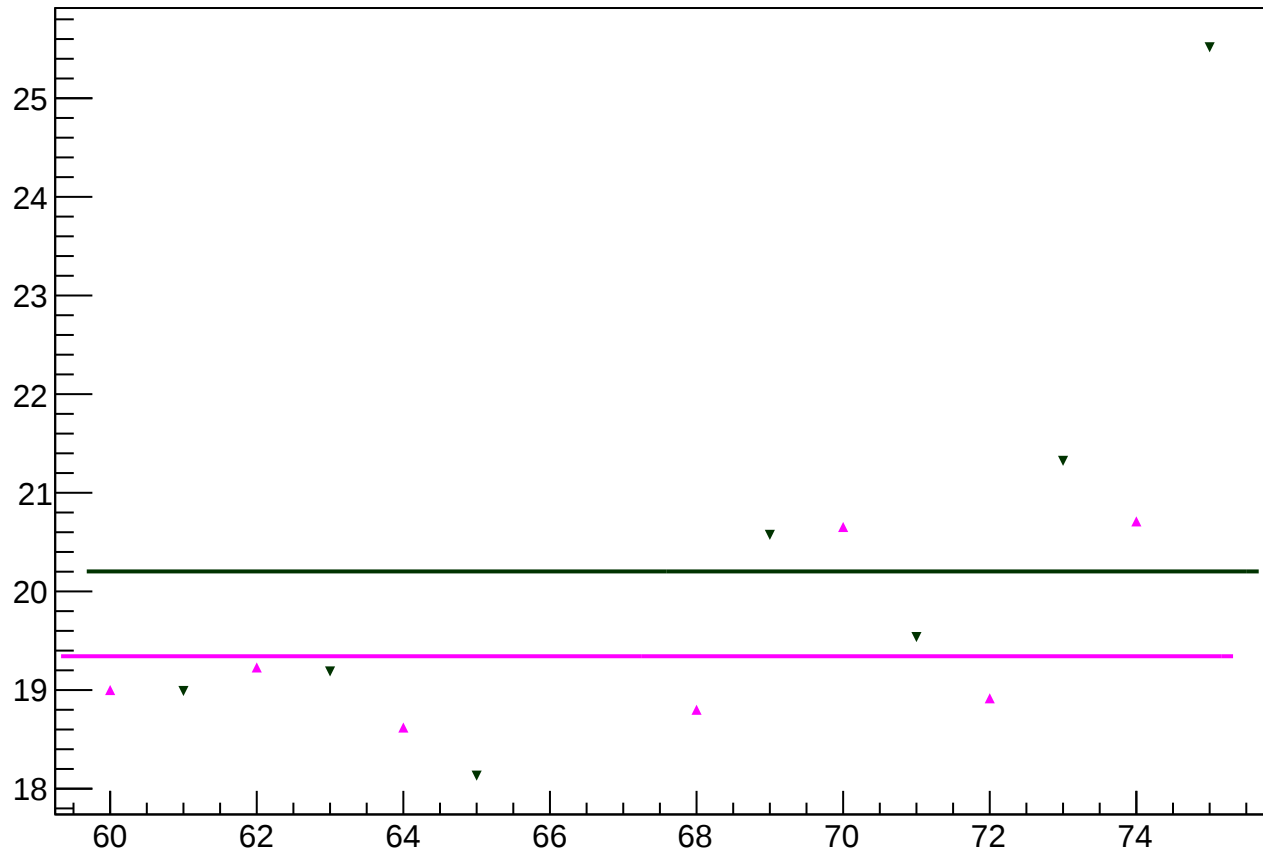
0.381+/-11.778  $\chi^2/\text{NDF}$ : 8.7/6

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

-6.406+/-10.695  $\chi^2/\text{NDF}$ : 5.9/6

Left In: -6.406+/-10.695  $\chi^2/\text{NDF}$ : 5.9/6

asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_rms vs slug



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

Left Out: 20.203+/-0.008  $\chi^2/\text{NDF}$ : 59272.3/6

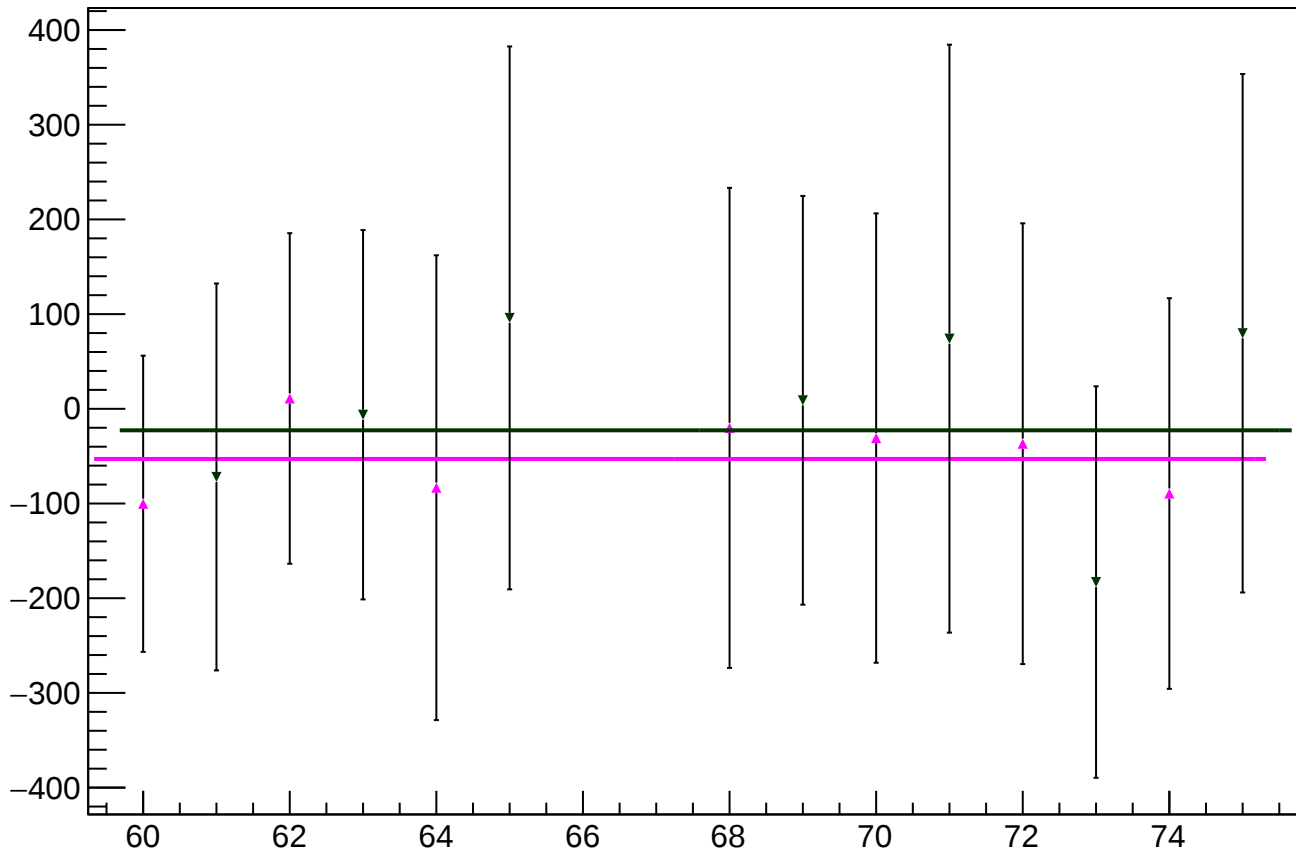
20.203+/-0.008  $\chi^2/\text{NDF}$ : 59272.3/6

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

Left In: 19.343+/-0.008  $\chi^2/\text{NDF}$ : 10469.6/6

19.343+/-0.008  $\chi^2/\text{NDF}$ : 10469.6/6

asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_avg\_mean vs slug



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

Left Out: -22.696+/-87.366  $\chi^2/\text{NDF}$ : 1.1/6

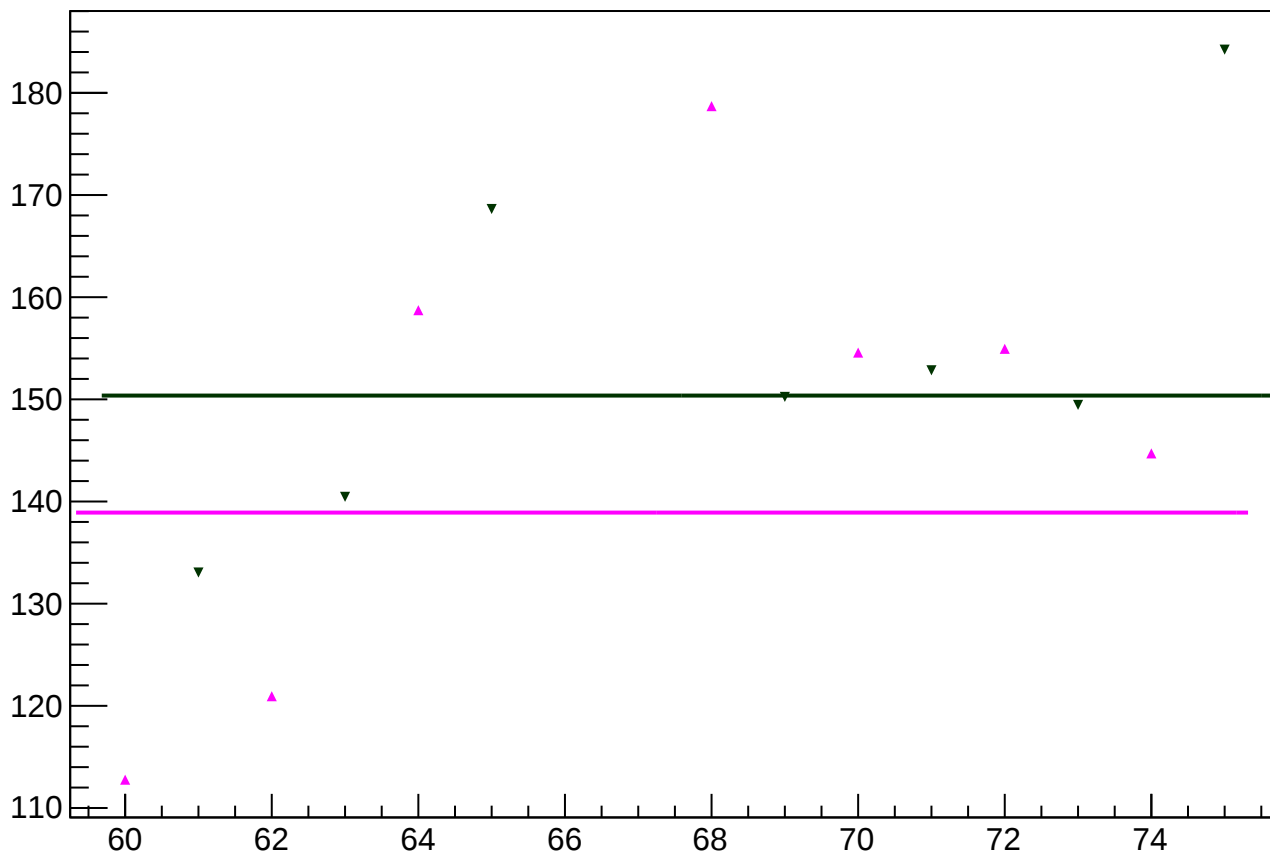
-22.696+/-87.366  $\chi^2/\text{NDF}$ : 1.1/6

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

-52.943+/-77.708  $\chi^2/\text{NDF}$ : 0.3/6

Left In: -52.943+/-77.708  $\chi^2/\text{NDF}$ : 0.3/6

asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_avg\_rms vs slug



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

Left Out: 150.370+/-0.062  $\chi^2/\text{NDF}$ : 58421.9/6

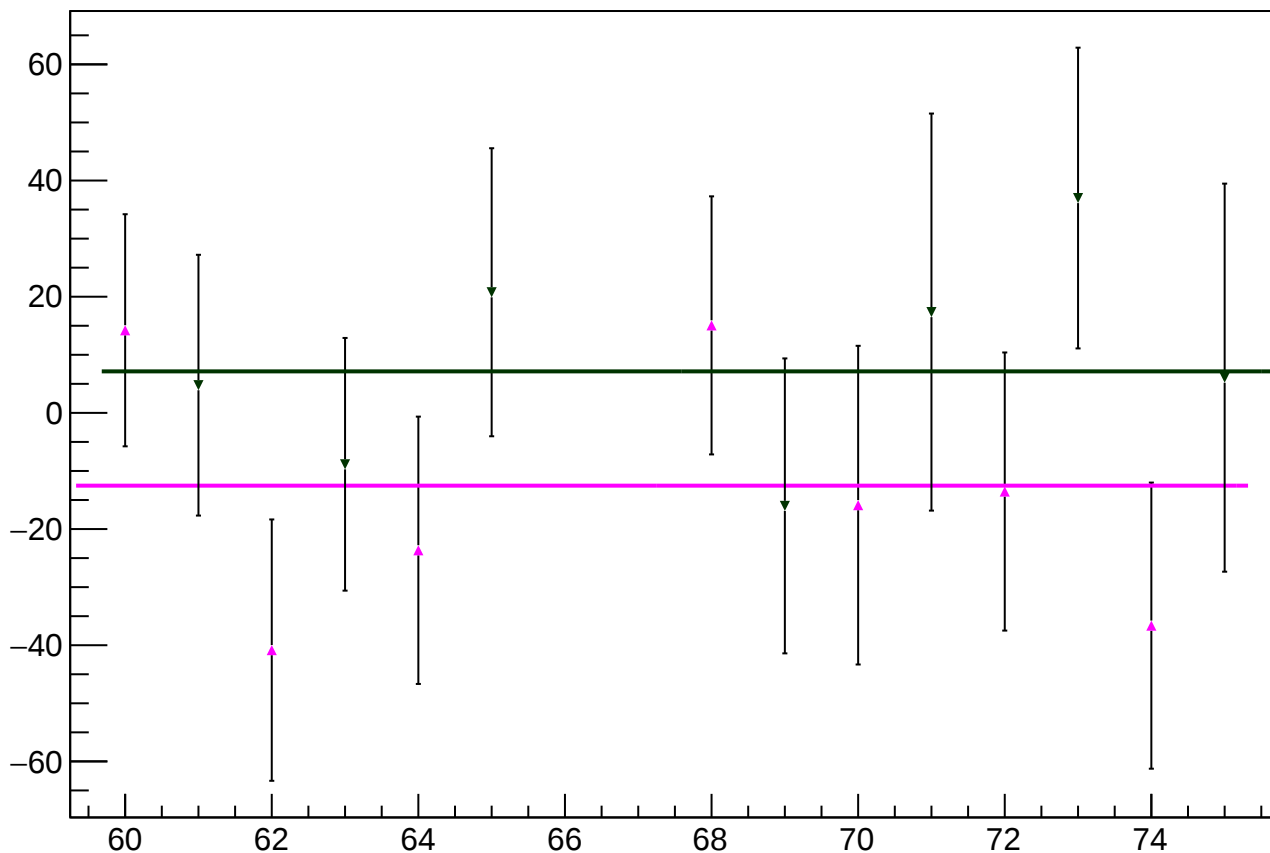
150.370+/-0.062  $\chi^2/\text{NDF}$ : 58421.9/6

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

138.916+/-0.055  $\chi^2/\text{NDF}$ : 159175.9/6

Left In: 138.916+/-0.055  $\chi^2/\text{NDF}$ : 159175.9/6

asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_mean vs slug



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

Left Out: 7.145+/-9.750  $\chi^2/\text{NDF}$ : 3.1/6

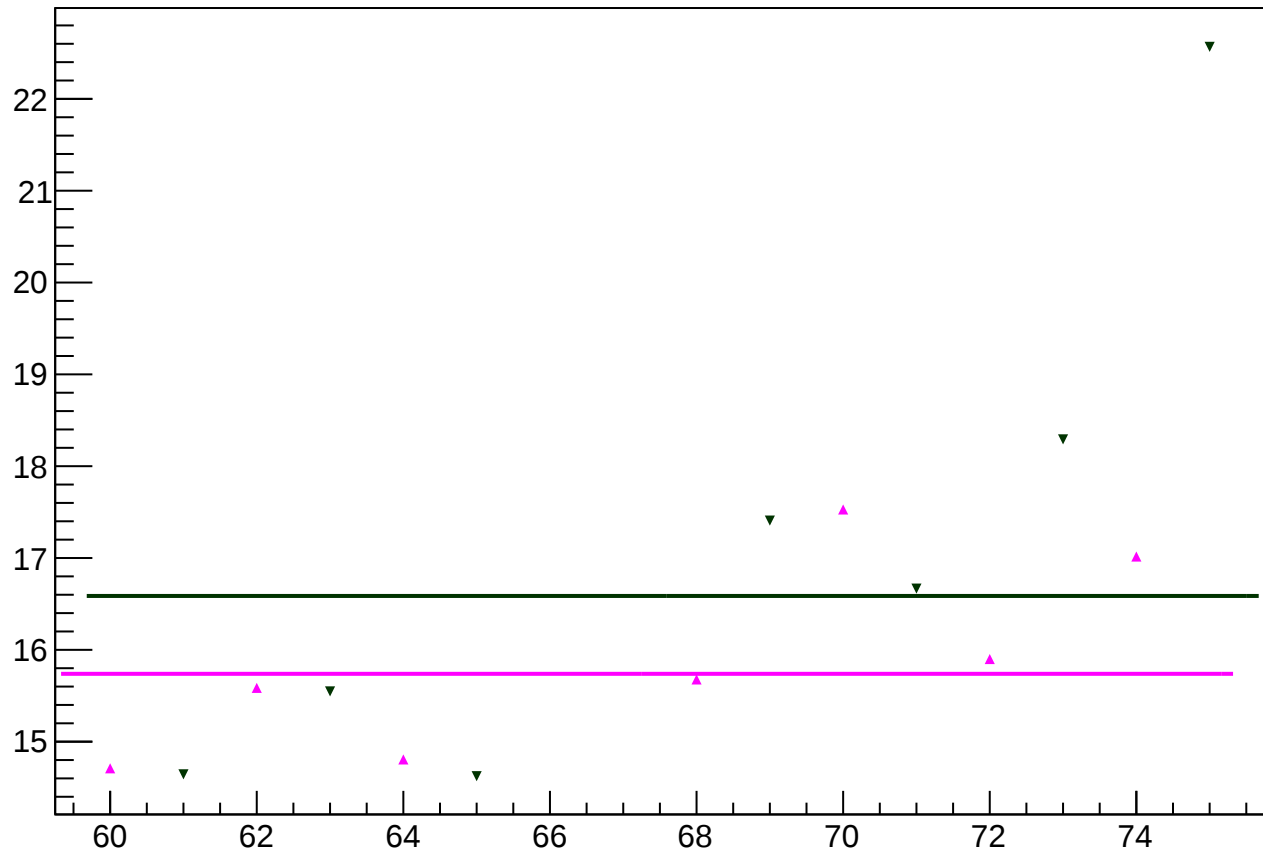
7.145+/-9.750  $\chi^2/\text{NDF}$ : 3.1/6

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

Left In: -12.528+/-8.731  $\chi^2/\text{NDF}$ : 6.1/6

-12.528+/-8.731  $\chi^2/\text{NDF}$ : 6.1/6

asym\_bcm\_dg\_ds\_bcm\_an\_us\_agg\_dd\_rms vs slug



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

Left Out: 16.587+/-0.007  $\chi^2/\text{NDF}$ :106942.4/6

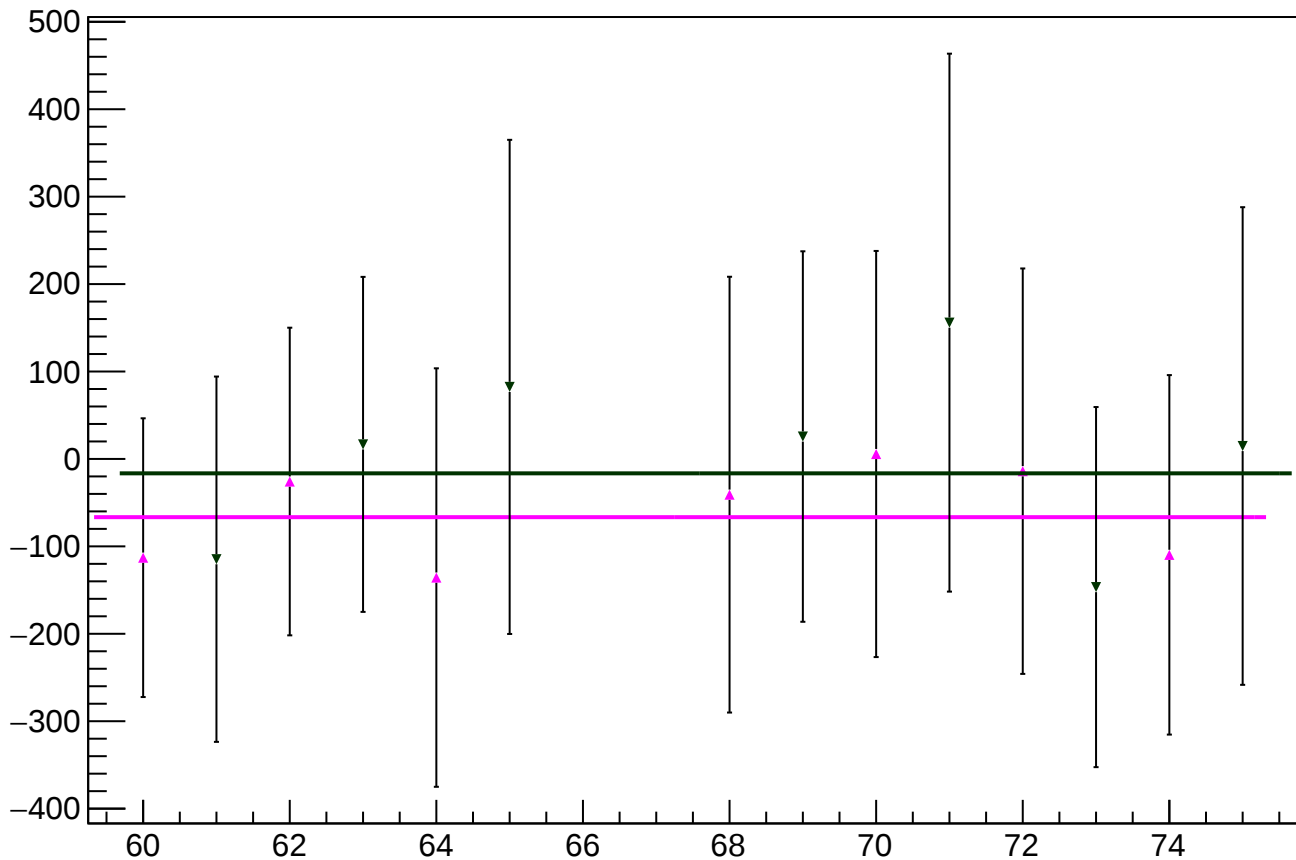
16.587+/-0.007  $\chi^2/\text{NDF}$ : 106942.4/6

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

15.739+/-0.006  $\chi^2/\text{NDF}$ : 22678.6/6

Left In: 15.739+/-0.006  $\chi^2/\text{NDF}$ :22678.6/6

asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_mean vs slug



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

Left Out: -16.474+/-86.879  $\chi^2/\text{NDF}$ : 1.1/6

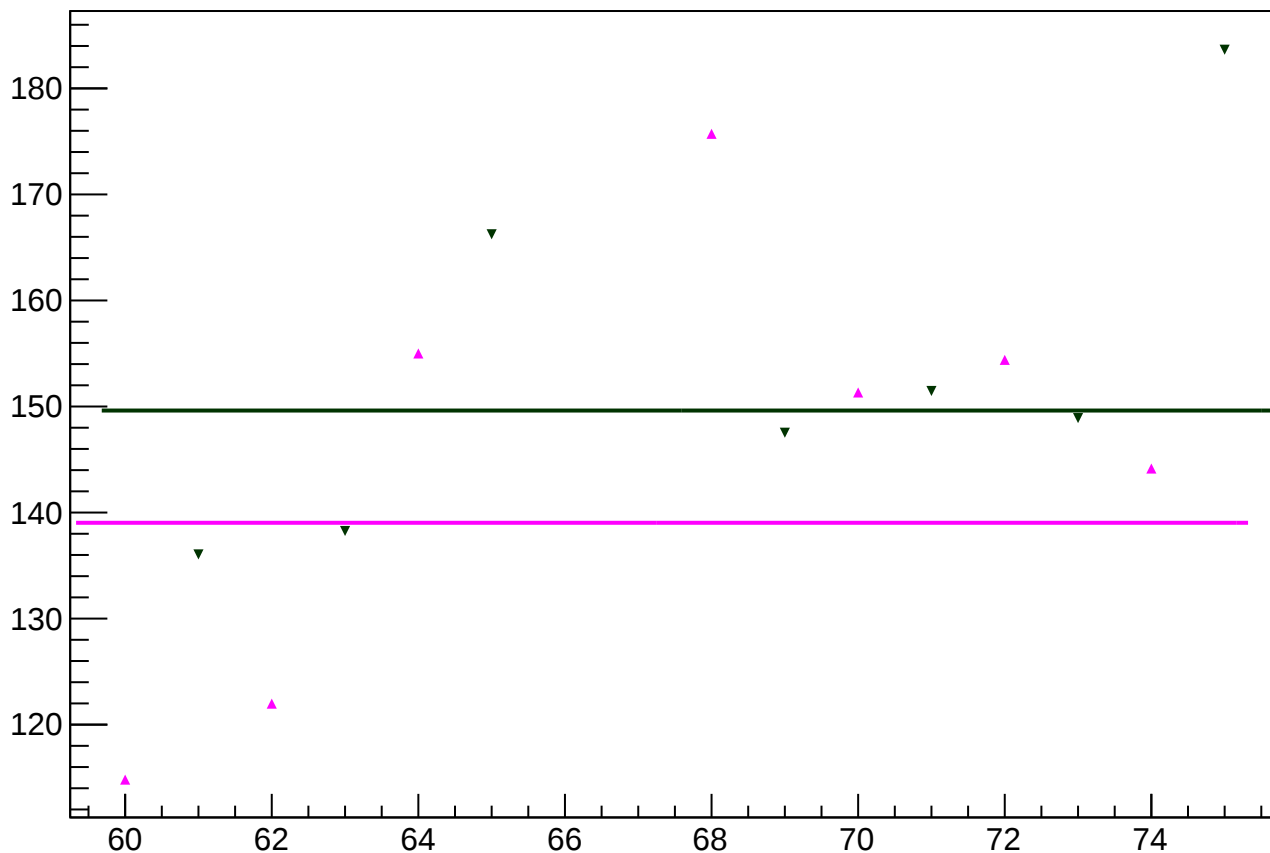
-16.474+/-86.879  $\chi^2/\text{NDF}$ : 1.1/6

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

-66.604+/-77.615  $\chi^2/\text{NDF}$ : 0.4/6

Left In: -66.604+/-77.615  $\chi^2/\text{NDF}$ : 0.4/6

asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_rms vs slug



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

Left Out: 149.621+/-0.061  $\chi^2/\text{NDF}$ : 53706.2/6

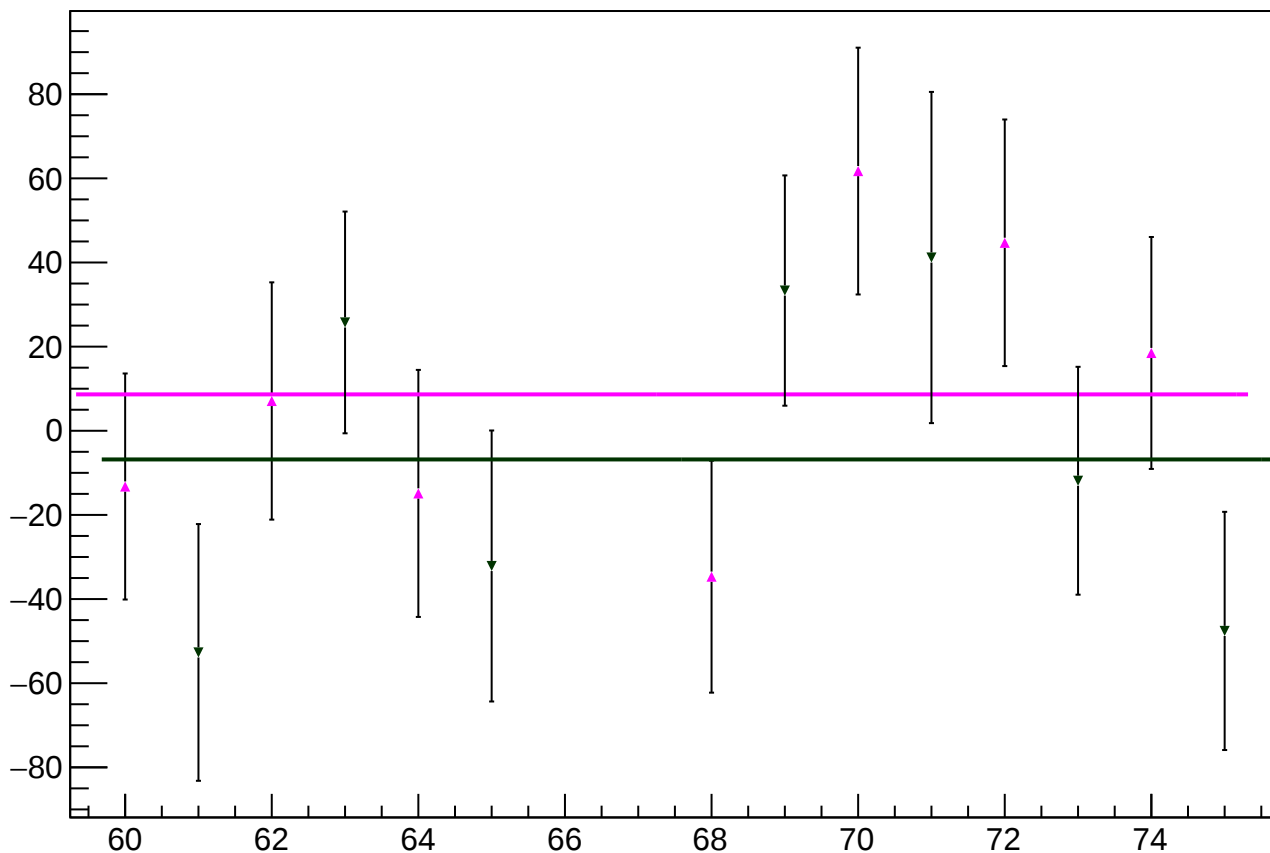
149.621+/-0.061  $\chi^2/\text{NDF}$ : 53706.2/6

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

Left In: 139.035+/-0.055  $\chi^2/\text{NDF}$ : 132800.4/6

139.035+/-0.055  $\chi^2/\text{NDF}$ : 132800.4/6

asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_mean vs slug



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

Left Out: -6.814+/-11.132  $\chi^2/\text{NDF}$ : 10.2/6

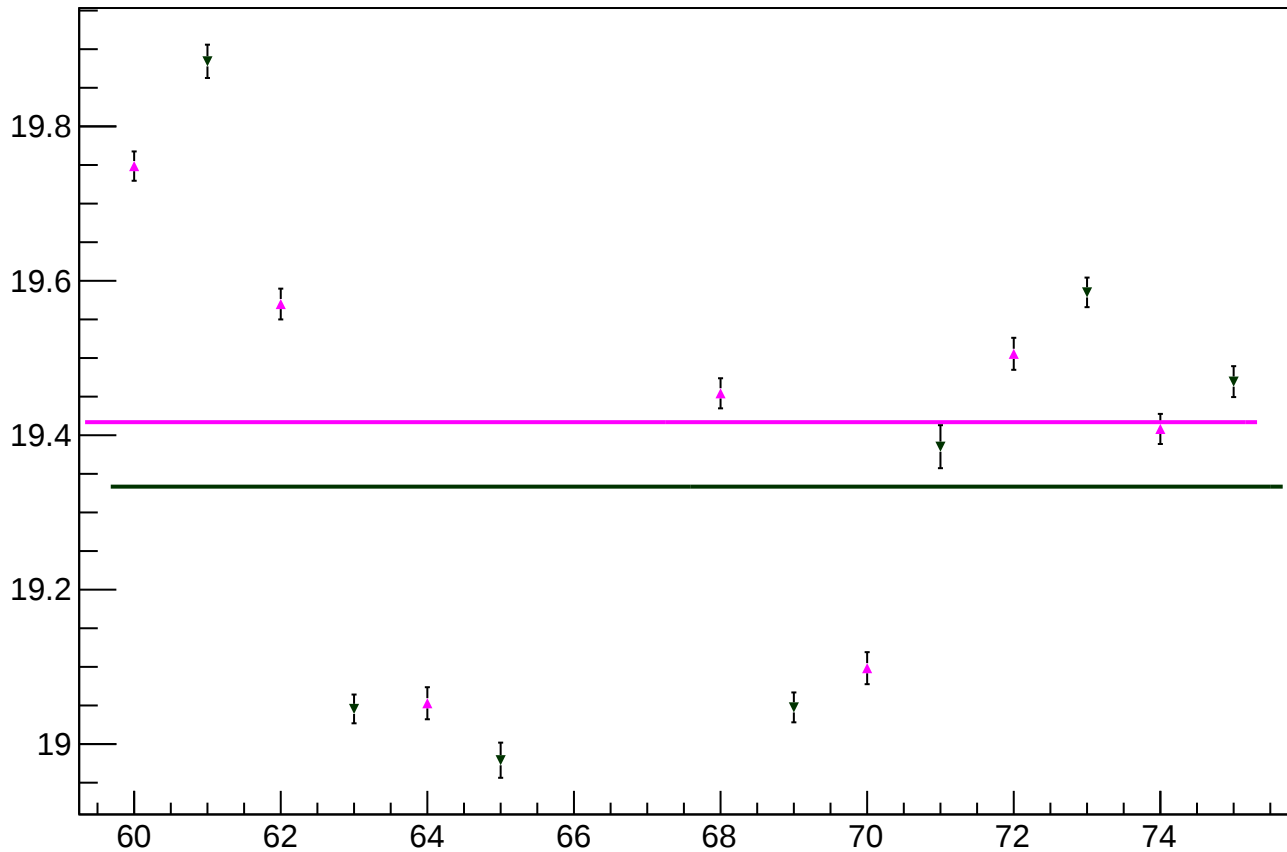
-6.814+/-11.132  $\chi^2/\text{NDF}$ : 10.2/6

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

Left In: 8.651+/-10.684  $\chi^2/\text{NDF}$ : 8.7/6

8.651+/-10.684  $\chi^2/\text{NDF}$ : 8.7/6

asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_rms vs slug



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

Left Out: 19.333+/-0.008  $\chi^2/\text{NDF}$ :1573.0/6

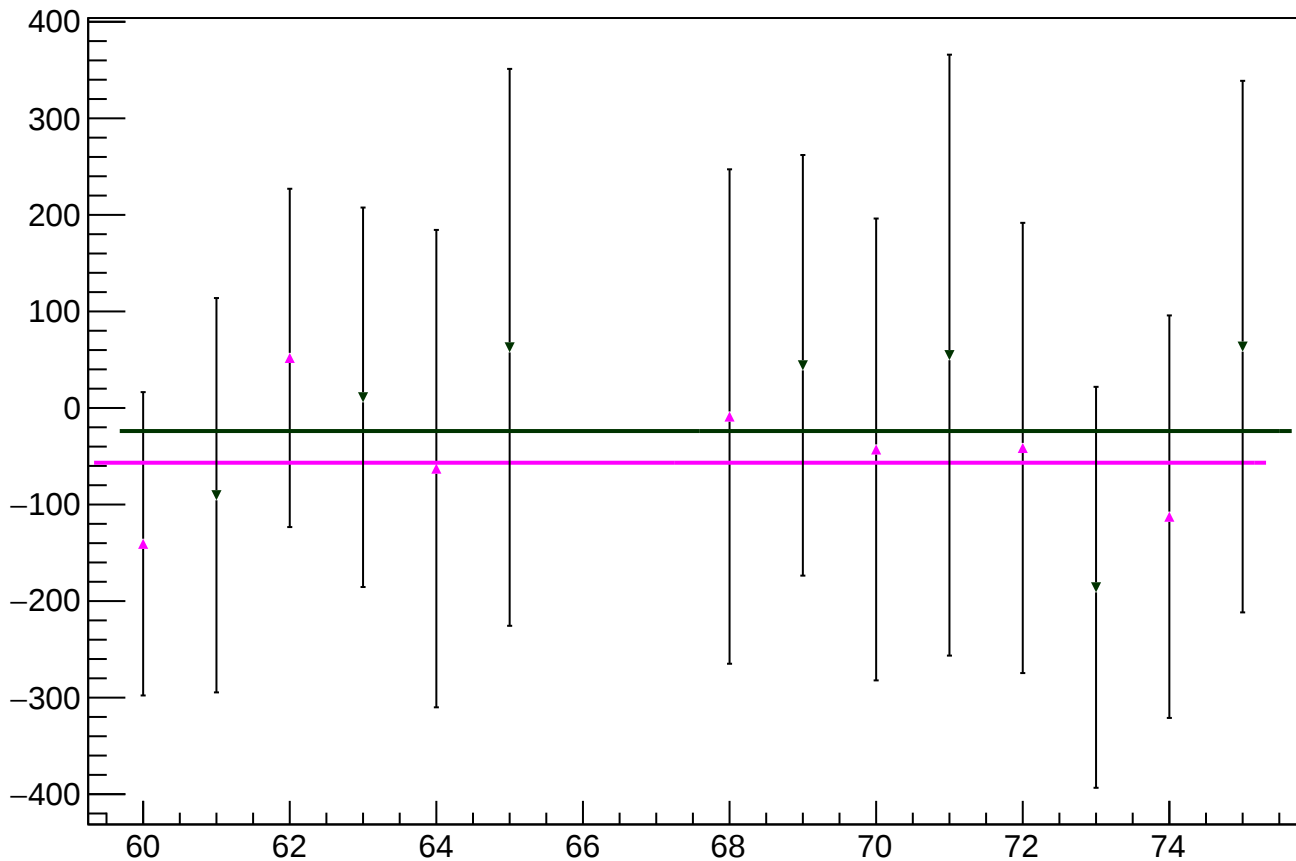
19.333+/-0.008  $\chi^2/\text{NDF}$ : 1573.0/6

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

Left In: 19.417+/-0.008  $\chi^2/\text{NDF}$ :929.2/6

19.417+/-0.008  $\chi^2/\text{NDF}$ : 929.2/6

asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_avg\_mean vs slug



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

Left Out: -23.881+/-87.813  $\chi^2/\text{NDF}$ : 1.1/6

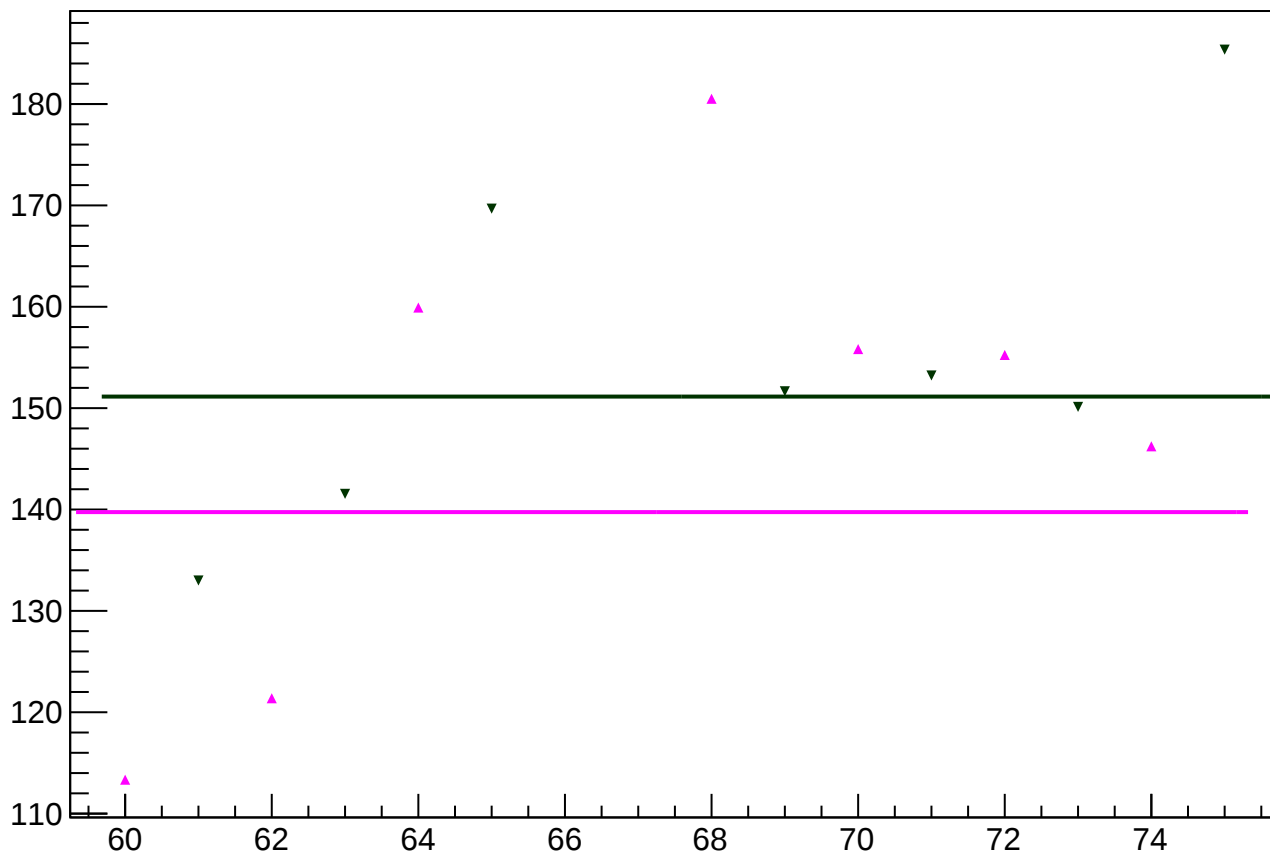
-23.881+/-87.813  $\chi^2/\text{NDF}$ : 1.1/6

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

-56.699+/-78.181  $\chi^2/\text{NDF}$ : 0.8/6

Left In: -56.699+/-78.181  $\chi^2/\text{NDF}$ : 0.8/6

asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_avg\_rms vs slug



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

Left Out: 151.141+/-0.062  $\chi^2/NDF$ : 59880.6/6

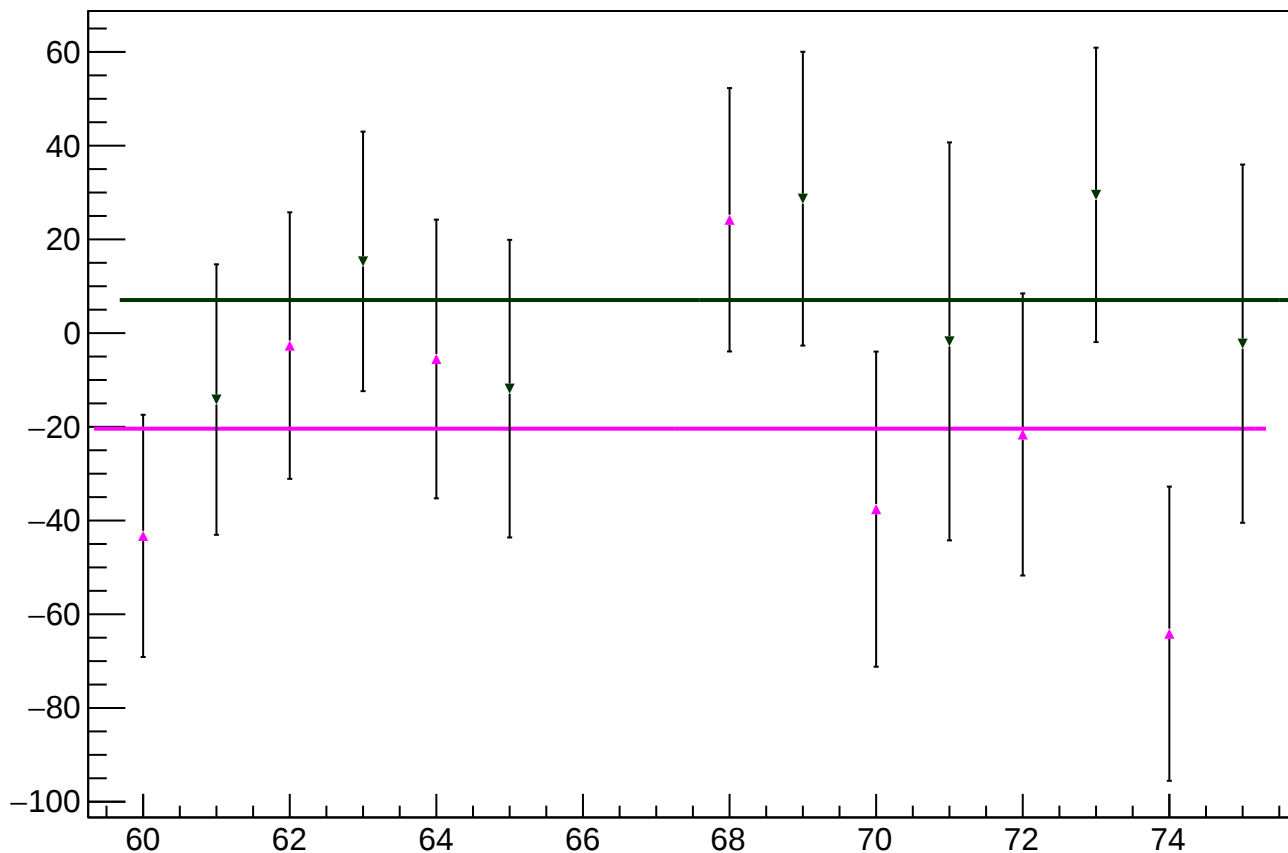
151.141+/-0.062  $\chi^2/NDF$ : 59880.6/6

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

139.744+/-0.055  $\chi^2/NDF$ : 162307.4/6

Left In: 139.744+/-0.055  $\chi^2/NDF$ : 162307.4/6

asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_dd\_mean vs slug



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

Left Out: 7.055+/-12.157  $\chi^2/\text{NDF}$ : 2.1/6

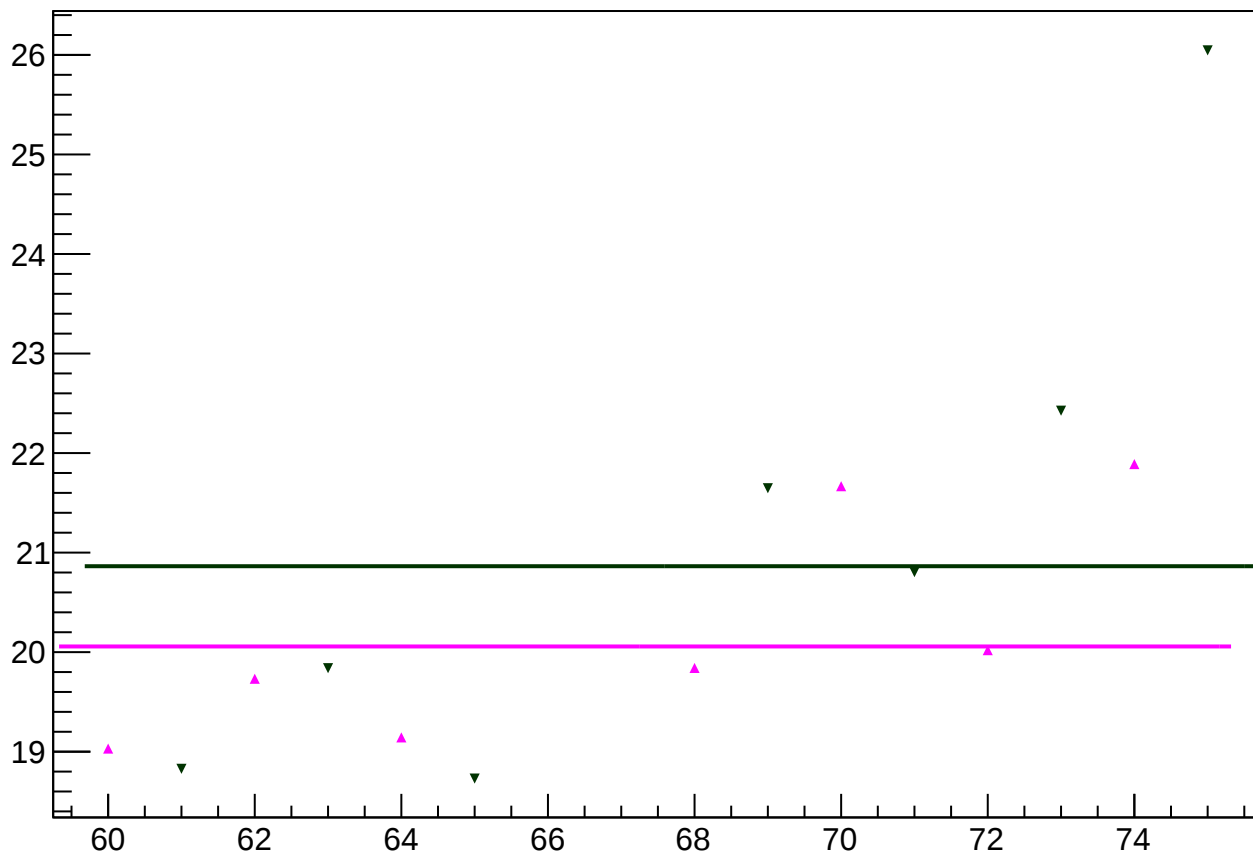
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -20.397+/-11.088  $\chi^2/\text{NDF}$ : 6.1/6

7.055+/-12.157  $\chi^2/\text{NDF}$ : 2.1/6

-20.397+/-11.088  $\chi^2/\text{NDF}$ : 6.1/6

asym\_bcm\_cav4cQ\_bcm\_an\_us\_agg\_dd\_rms vs slug



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

Left Out: 20.863+/-0.009  $\chi^2/\text{NDF}$ : 64677.7/6

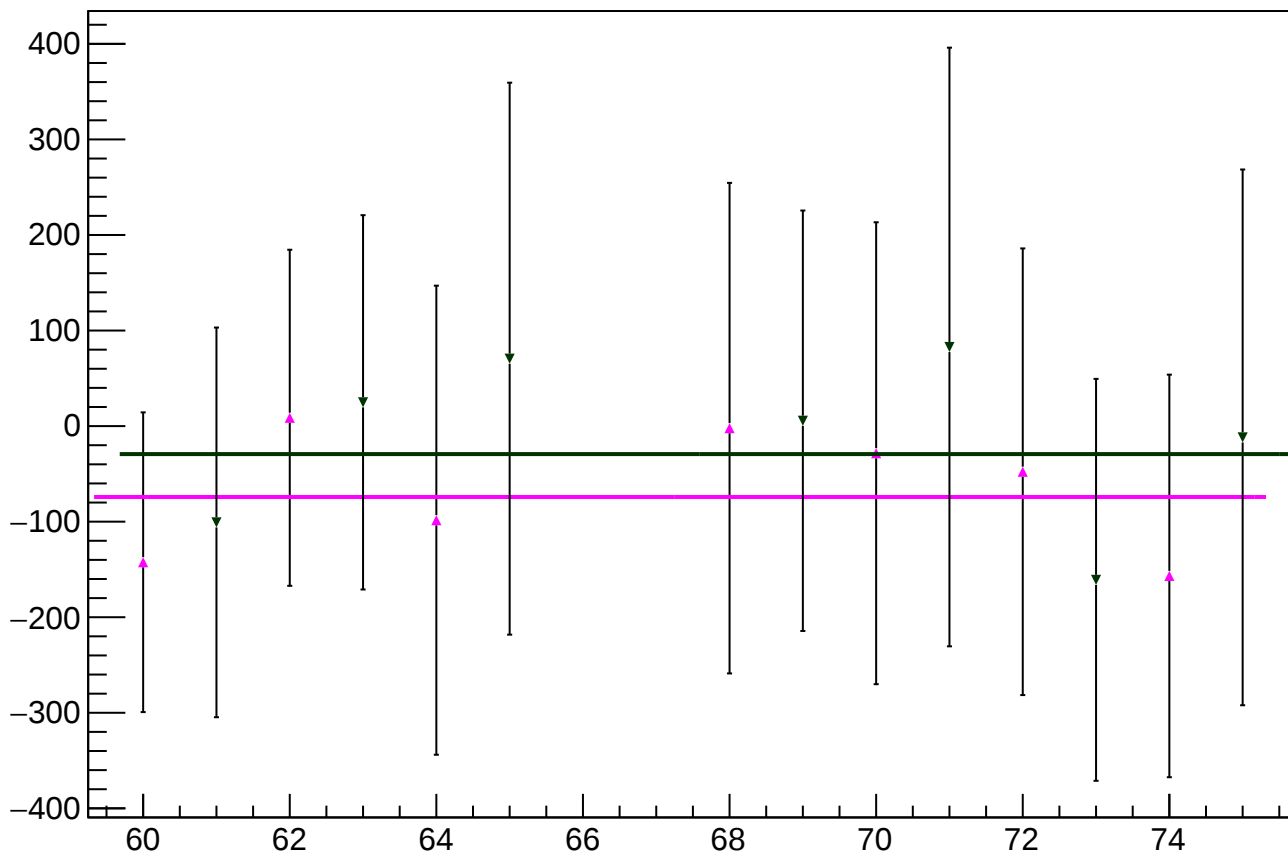
20.863+/-0.009  $\chi^2/\text{NDF}$ : 64677.7/6

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

20.057+/-0.008  $\chi^2/\text{NDF}$ : 16817.1/6

Left In: 20.057+/-0.008  $\chi^2/\text{NDF}$ : 16817.1/6

asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_mean vs slug



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

Left Out: -29.288+/-88.283  $\chi^2/\text{NDF}$ : 0.9/6

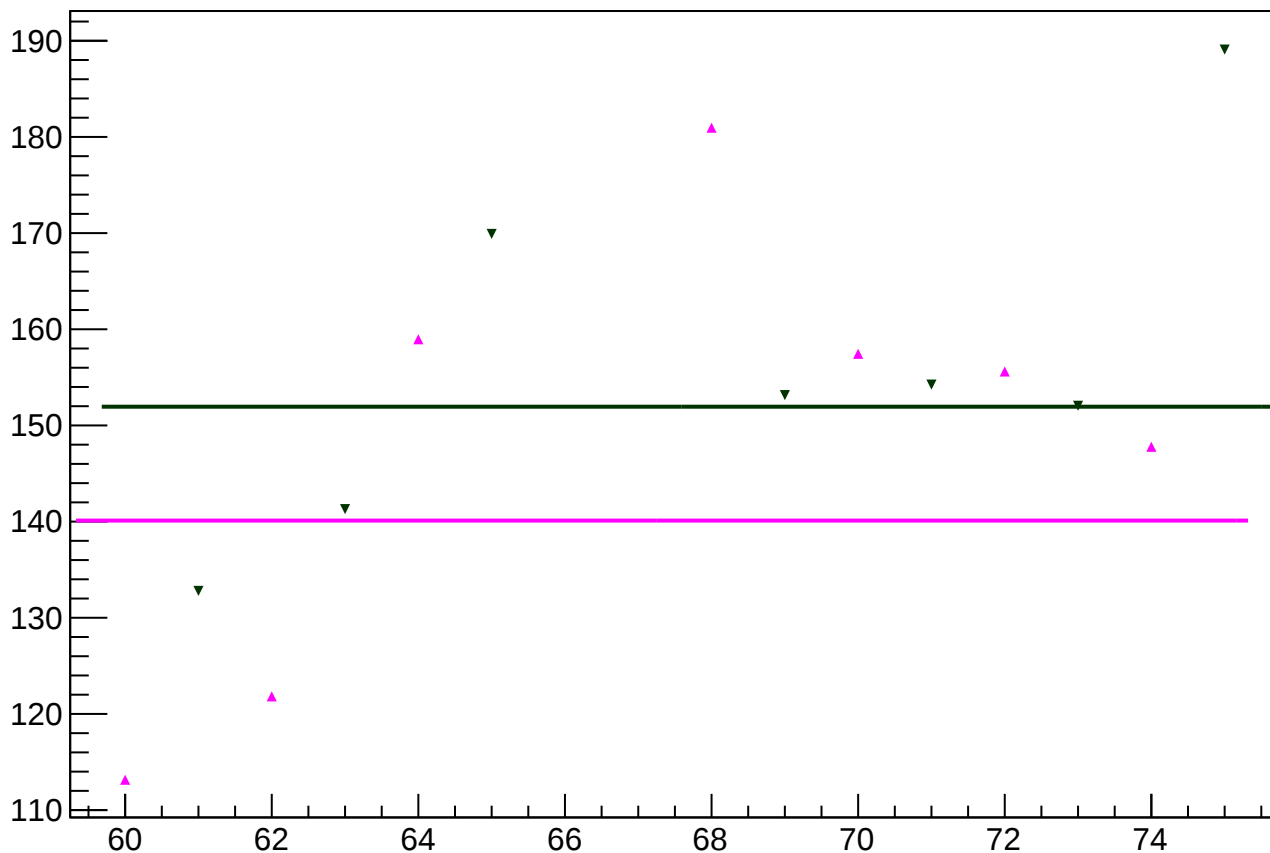
-29.288+/-88.283  $\chi^2/\text{NDF}$ : 0.9/6

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

Left In: -74.178+/-78.388  $\chi^2/\text{NDF}$ : 0.7/6

-74.178+/-78.388  $\chi^2/\text{NDF}$ : 0.7/6

asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_rms vs slug



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

Left Out: 151.948+/-0.062  $\chi^2/\text{NDF}$ : 66576.1/6

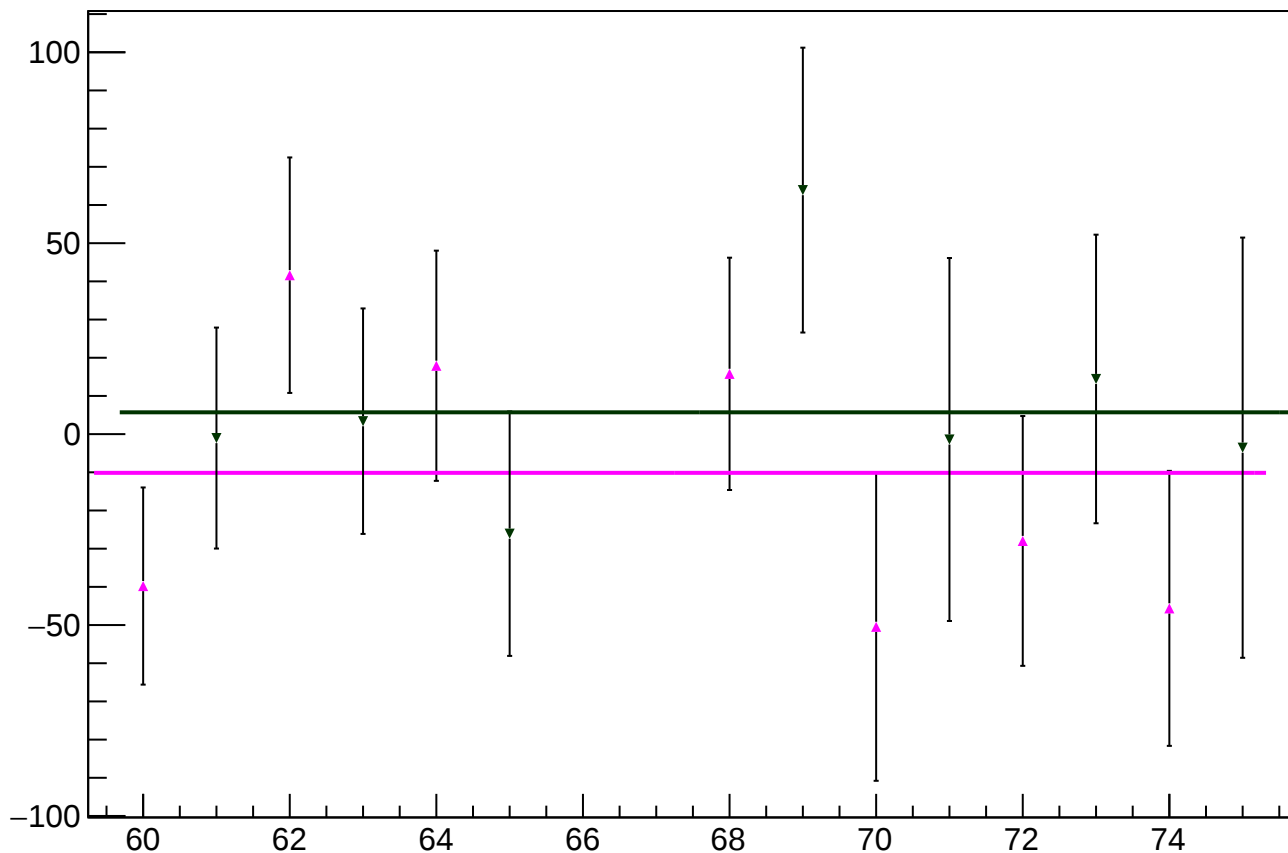
151.948+/-0.062  $\chi^2/\text{NDF}$ : 66576.1/6

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

140.107+/-0.055  $\chi^2/\text{NDF}$ : 164895.6/6

Left In: 140.107+/-0.055  $\chi^2/\text{NDF}$ : 164895.6/6

asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_mean vs slug



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

Left Out: 5.711 $\pm$ 13.472  $\chi^2$ /NDF: 3.6/6

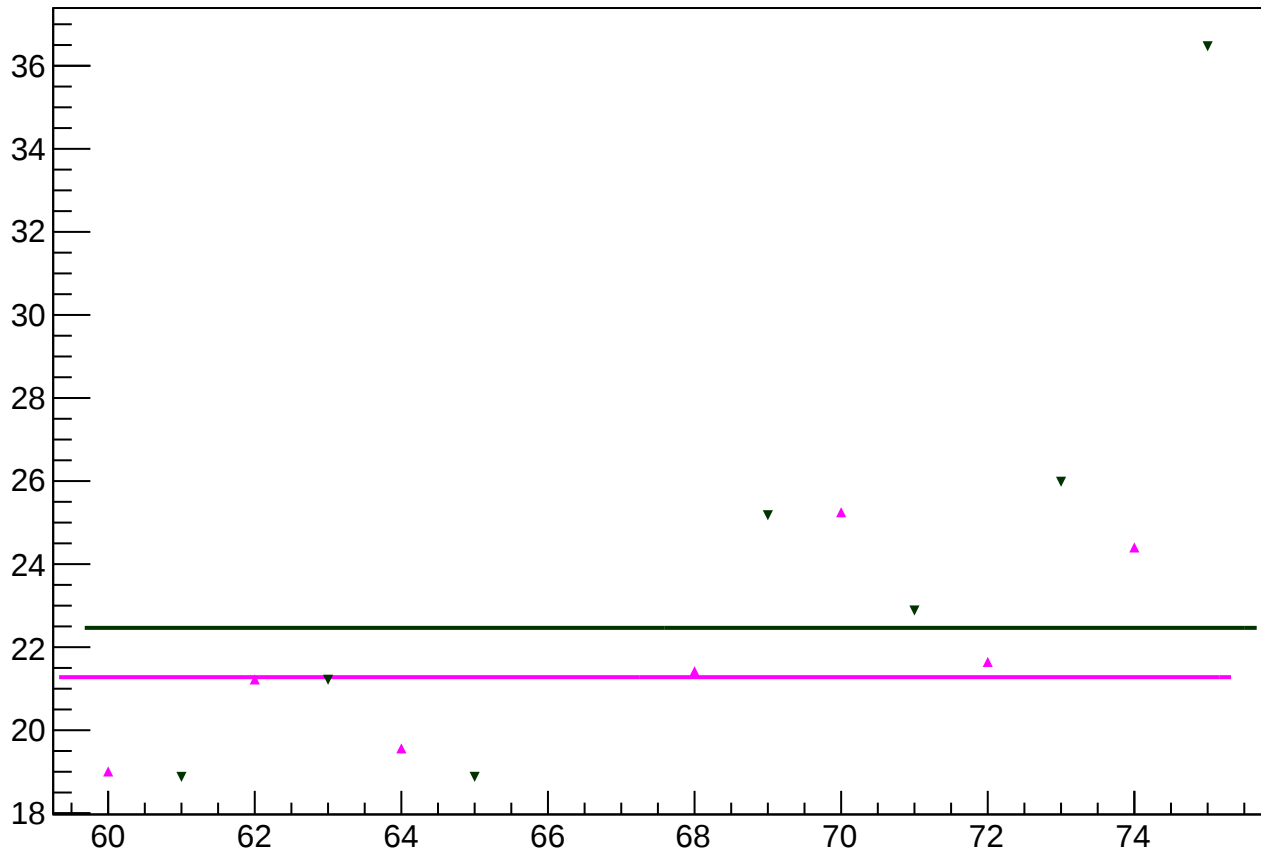
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -10.139 $\pm$ 11.906  $\chi^2$ /NDF: 8.0/6

5.711 $\pm$ 13.472  $\chi^2$ /NDF: 3.6/6

-10.139 $\pm$ 11.906  $\chi^2$ /NDF: 8.0/6

asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_rms vs slug



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

Left Out: 22.465+/-0.010  $\chi^2/\text{NDF}$ :217092.5/6

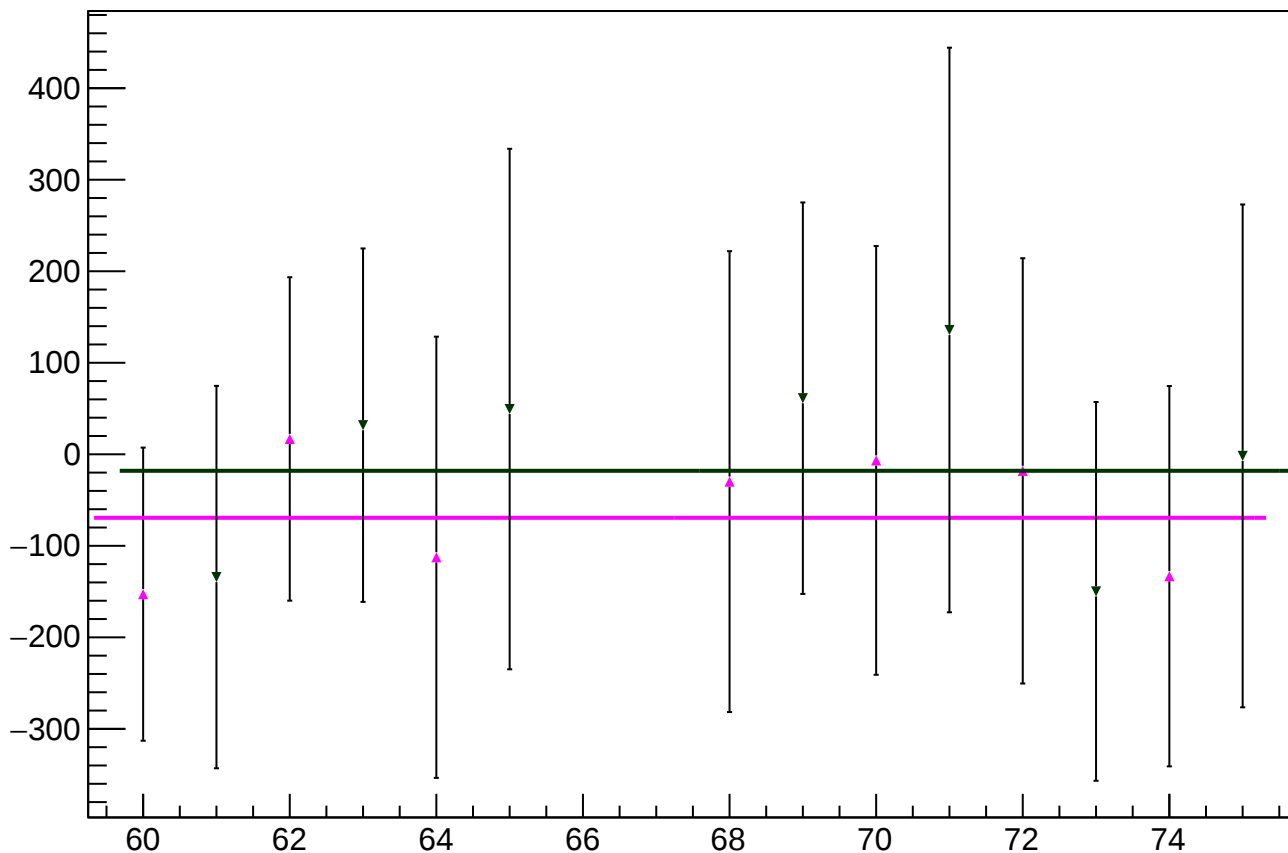
22.465+/-0.010  $\chi^2/\text{NDF}$ : 217092.5/6

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

21.278+/-0.008  $\chi^2/\text{NDF}$ : 56691.8/6

Left In: 21.278+/-0.008  $\chi^2/\text{NDF}$ :56691.8/6

asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_mean vs slug



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

Left Out: -18.023+/-87.343  $\chi^2/\text{NDF}$ : 1.2/6

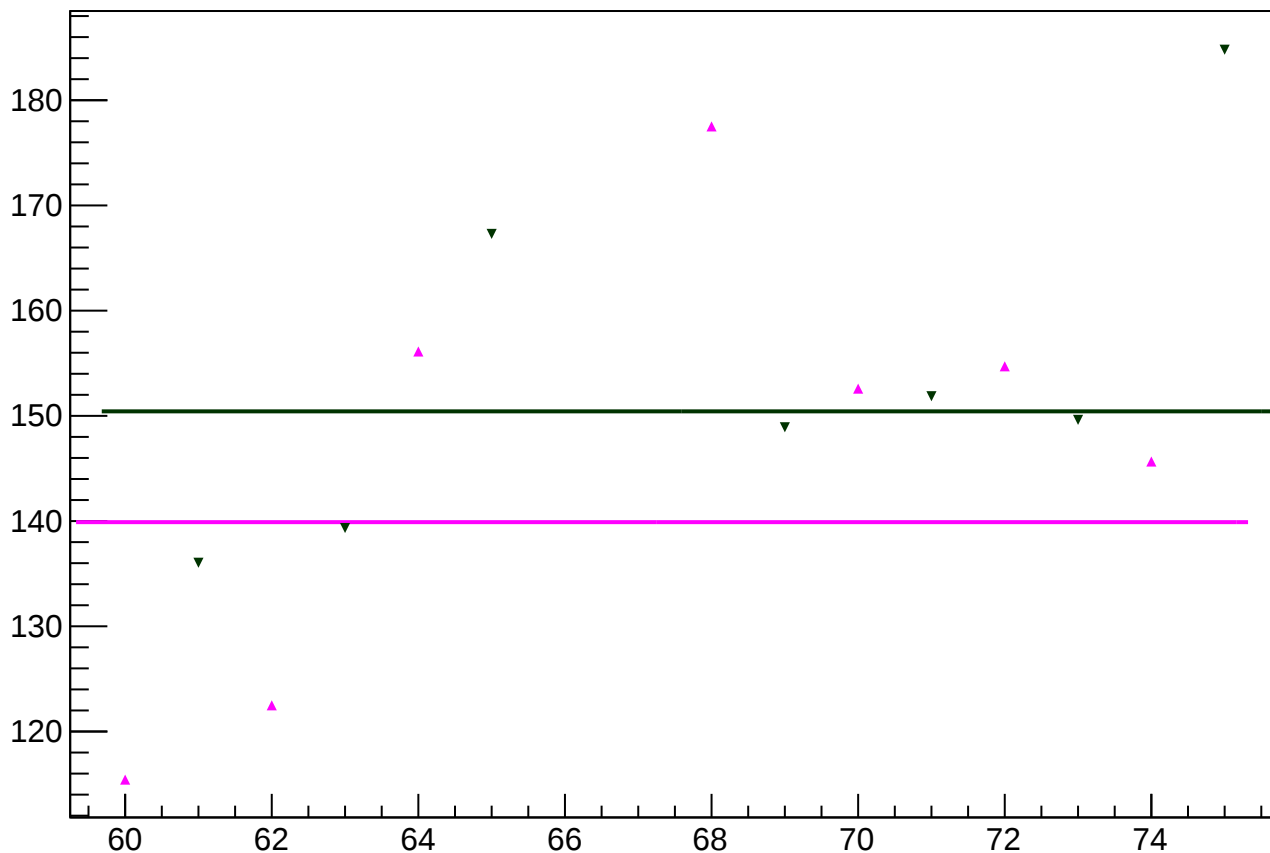
-18.023+/-87.343  $\chi^2/\text{NDF}$ : 1.2/6

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

Left In: -69.378+/-78.102  $\chi^2/\text{NDF}$ : 0.8/6

-69.378+/-78.102  $\chi^2/\text{NDF}$ : 0.8/6

asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_rms vs slug



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

Left Out: 150.429+/-0.062  $\chi^2/\text{NDF}$ : 54603.5/6

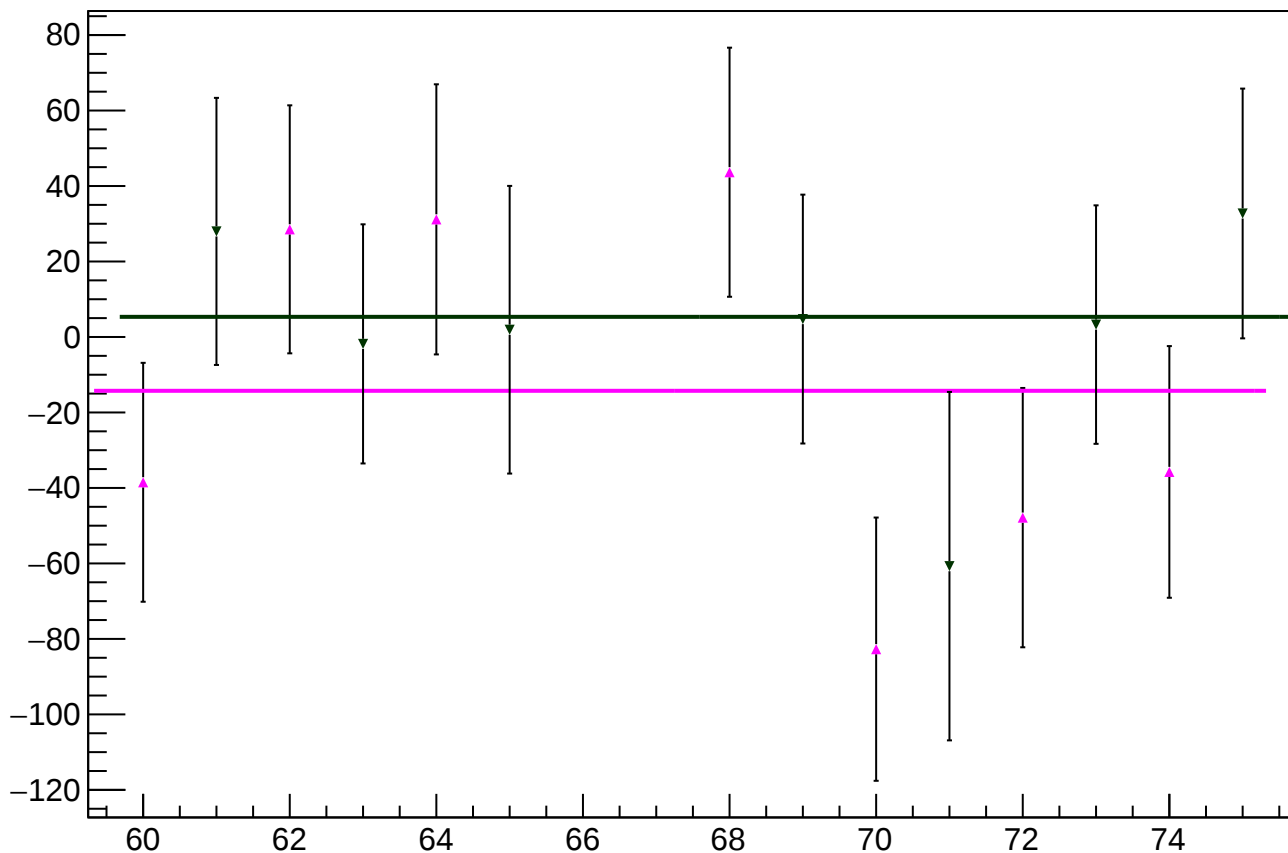
150.429+/-0.062  $\chi^2/\text{NDF}$ : 54603.5/6

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

139.898+/-0.055  $\chi^2/\text{NDF}$ : 135348.1/6

Left In: 139.898+/-0.055  $\chi^2/\text{NDF}$ : 135348.1/6

asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_dd\_mean vs slug



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

Left Out: 5.336+/-13.145  $\chi^2/\text{NDF}$ : 3.2/6

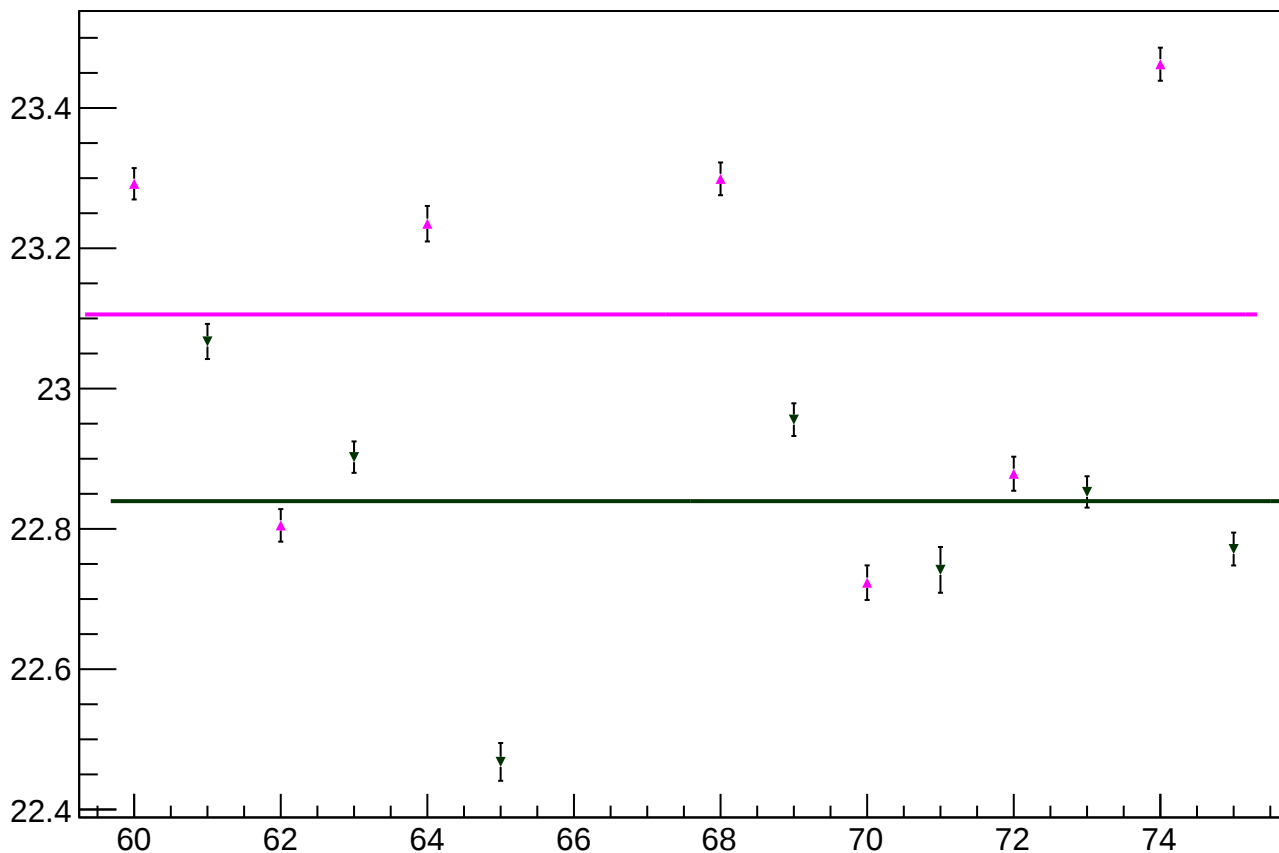
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -14.261+/-12.708  $\chi^2/\text{NDF}$ : 12.2/6

5.336+/-13.145  $\chi^2/\text{NDF}$ : 3.2/6

-14.261+/-12.708  $\chi^2/\text{NDF}$ : 12.2/6

asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_dd\_rms vs slug



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

Left Out: 22.840+/-0.009  $\chi^2/\text{NDF}$ : 323.6/6

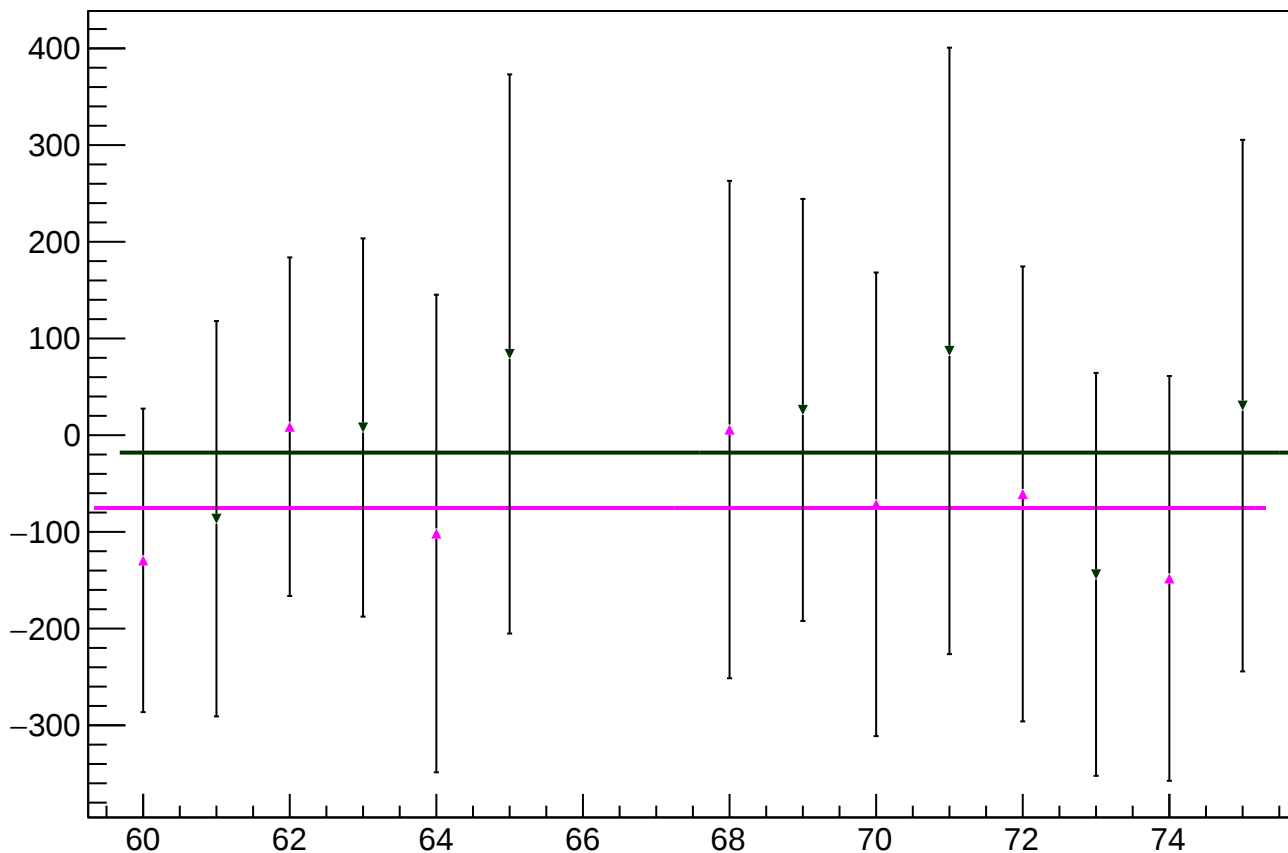
22.840+/-0.009  $\chi^2/\text{NDF}$ : 323.6/6

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

Left In: 23.106+/-0.009  $\chi^2/\text{NDF}$ : 888.2/6

23.106+/-0.009  $\chi^2/\text{NDF}$ : 888.2/6

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_mean vs slug



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

Left Out: -18.013+/-87.882  $\chi^2/\text{NDF}$ : 0.8/6

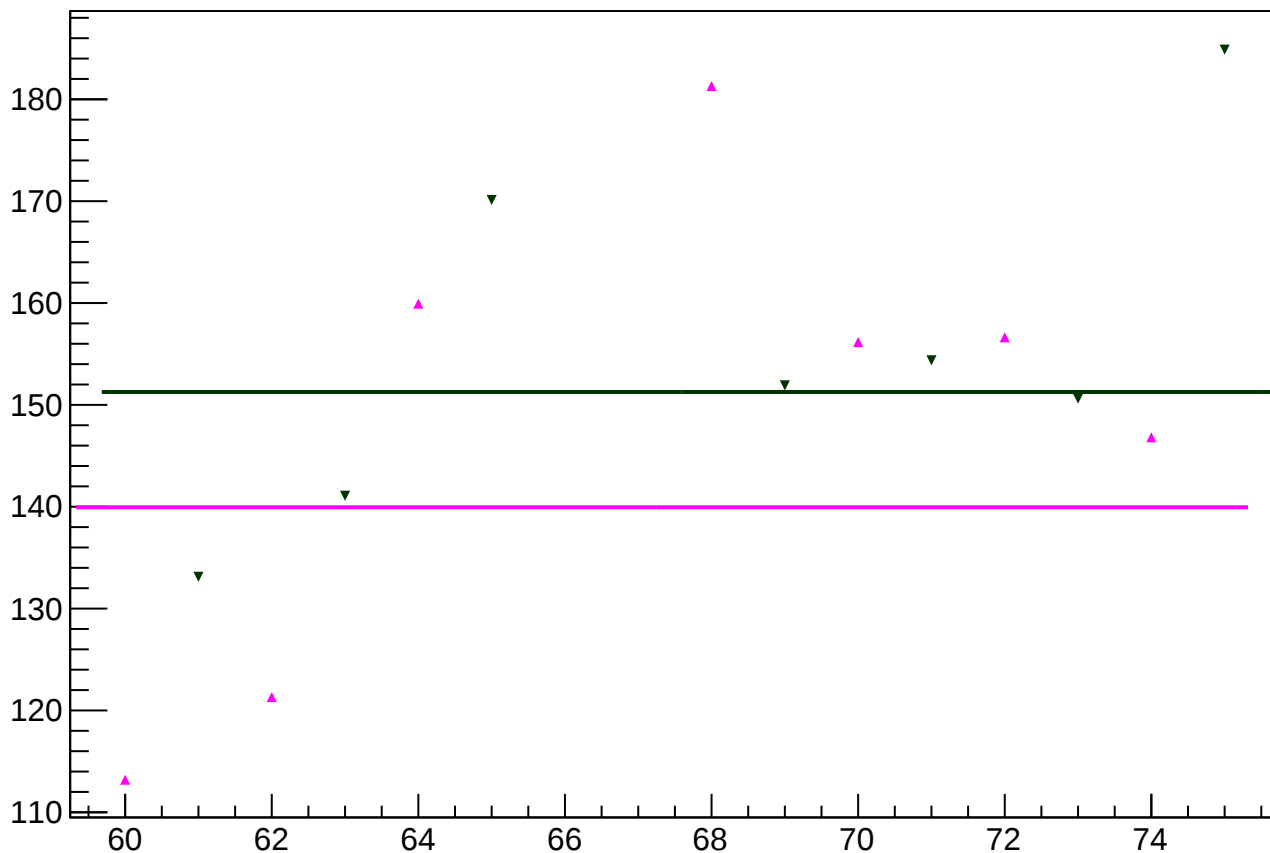
-18.013+/-87.882  $\chi^2/\text{NDF}$ : 0.8/6

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

-75.267+/-78.315  $\chi^2/\text{NDF}$ : 0.6/6

Left In: -75.267+/-78.315  $\chi^2/\text{NDF}$ : 0.6/6

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_rms vs slug



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

Left Out: 151.267+/-0.062  $\chi^2/\text{NDF}$ : 59830.8/6

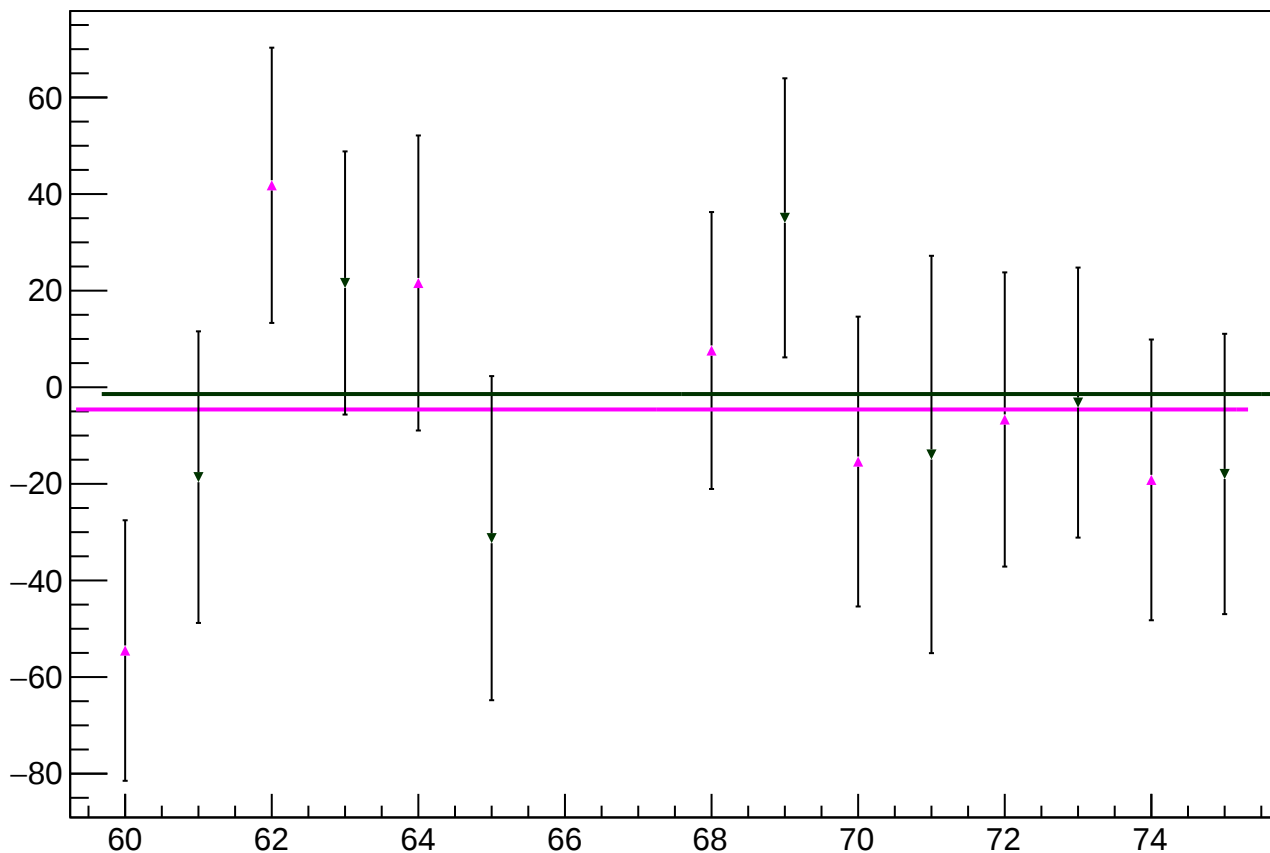
151.267+/-0.062  $\chi^2/\text{NDF}$ : 59830.8/6

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

139.949+/-0.055  $\chi^2/\text{NDF}$ : 166954.2/6

Left In: 139.949+/-0.055  $\chi^2/\text{NDF}$ : 166954.2/6

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_mean vs slug



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

Left Out: -1.406+/-11.479  $\chi^2/\text{NDF}$ : 3.8/6

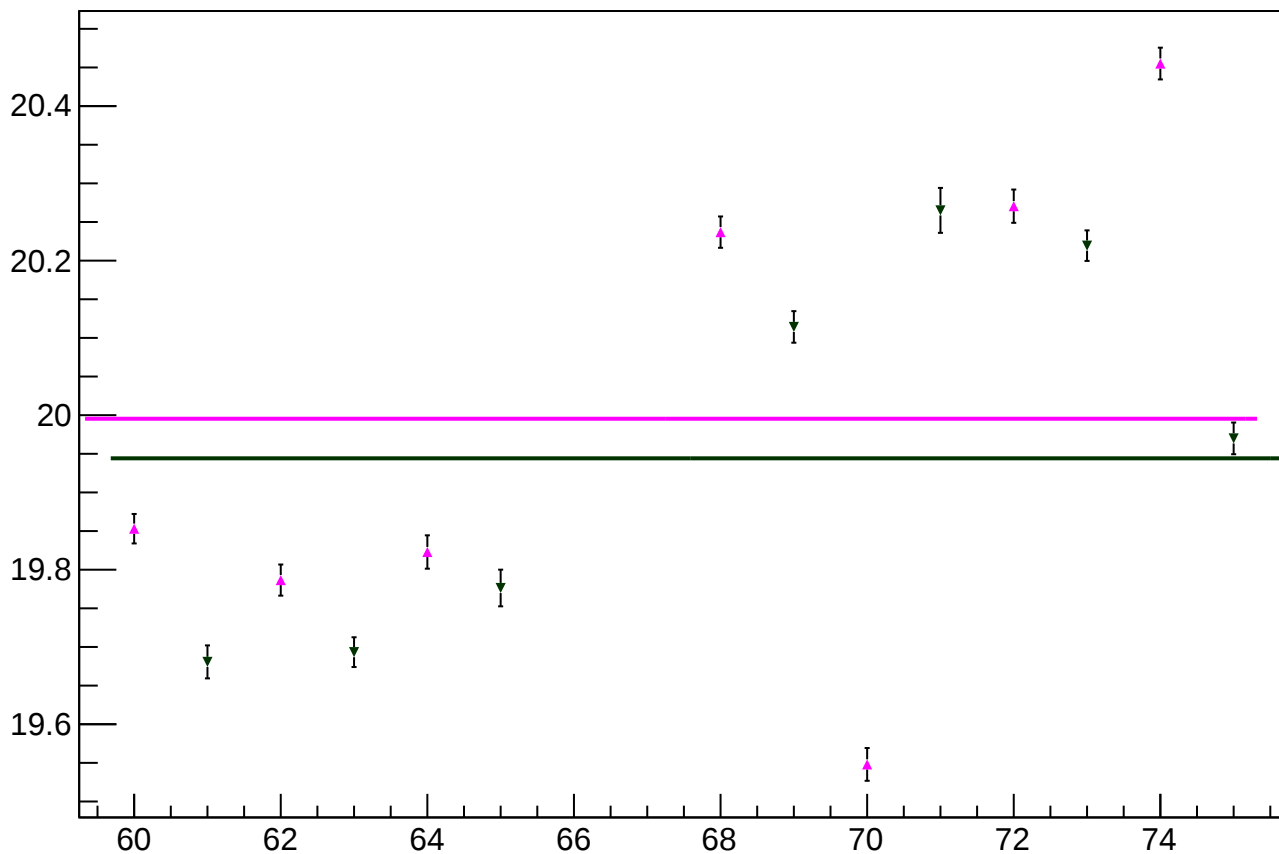
-1.406+/-11.479  $\chi^2/\text{NDF}$ : 3.8/6

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

-4.600+/-10.998  $\chi^2/\text{NDF}$ : 7.4/6

Left In: -4.600+/-10.998  $\chi^2/\text{NDF}$ : 7.4/6

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_rms vs slug



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

Left Out: 19.944+/-0.008  $\chi^2/\text{NDF}$ : 758.4/6

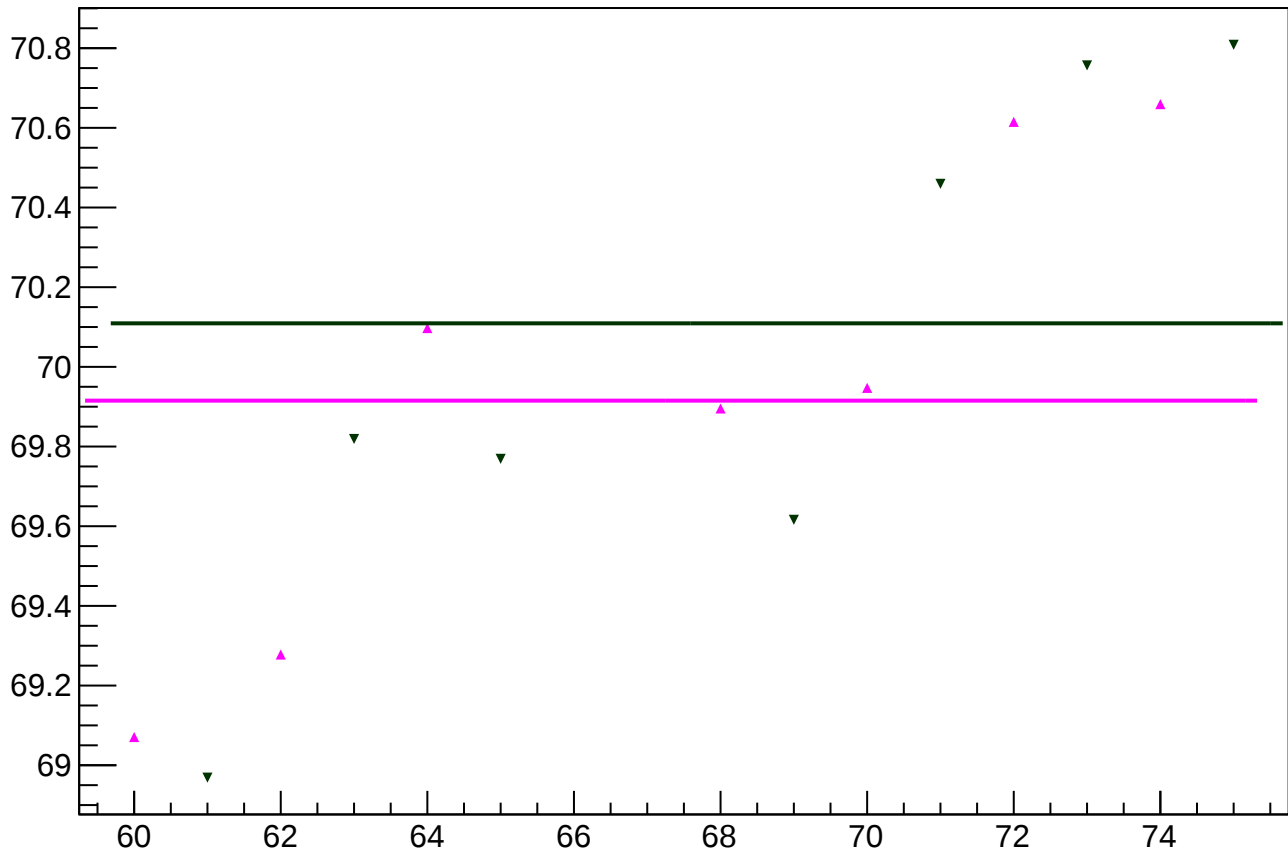
19.944+/-0.008  $\chi^2/\text{NDF}$ : 758.4/6

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

19.995+/-0.008  $\chi^2/\text{NDF}$ : 1477.0/6

Left In: 19.995+/-0.008  $\chi^2/\text{NDF}$ : 1477.0/6

# yield\_bcm\_an\_ds\_mean vs slug



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

Left Out: 70.109+/-0.000  $\chi^2/\text{NDF}$ : 23103309.1/6

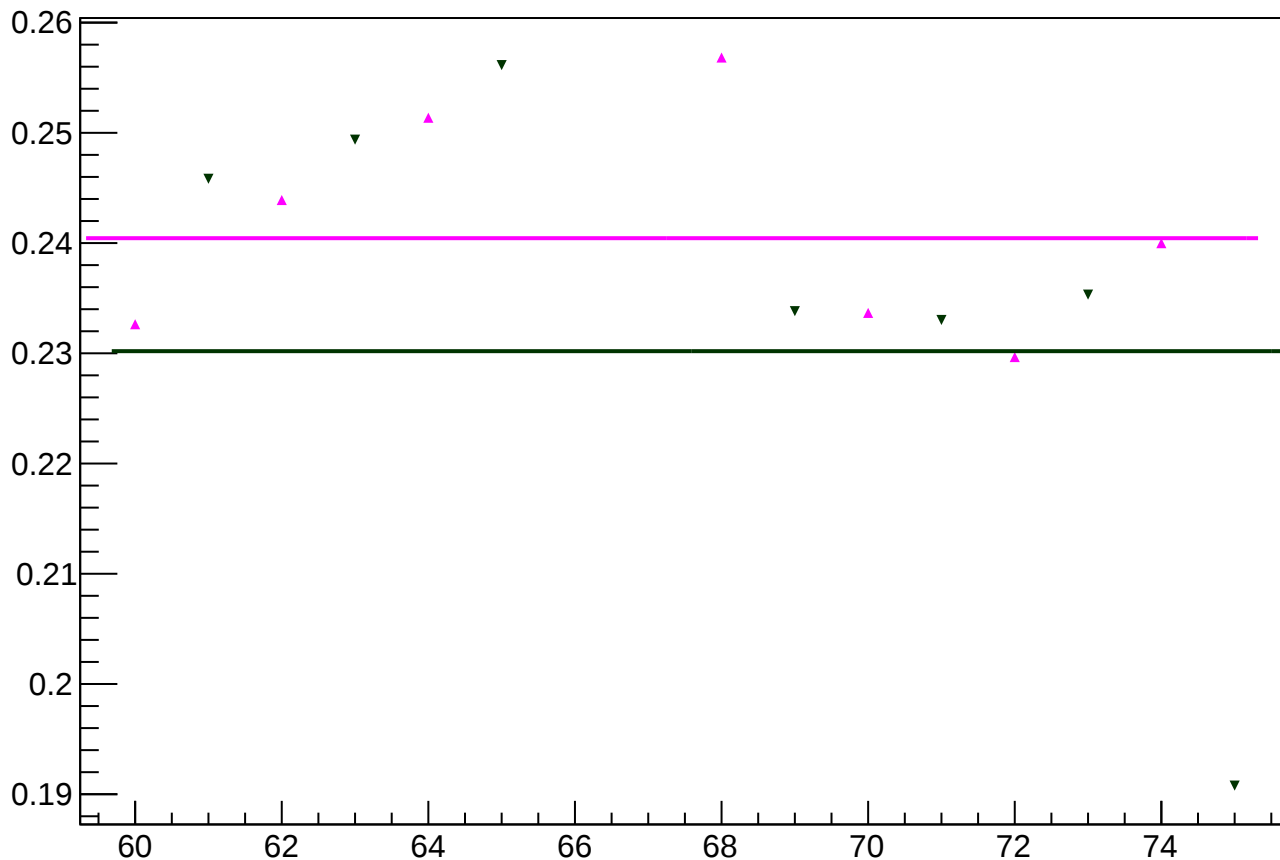
70.109+/-0.000  $\chi^2/\text{NDF}$ : 23103309.1/6

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

69.915+/-0.000  $\chi^2/\text{NDF}$ : 19337964.6/6

Left In: 69.915+/-0.000  $\chi^2/\text{NDF}$ : 19337964.6/6

# yield\_bcm\_an\_ds\_rms vs slug



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

Left Out: 0.230+/-0.000  $\chi^2/\text{NDF}$ : 56525.0/6

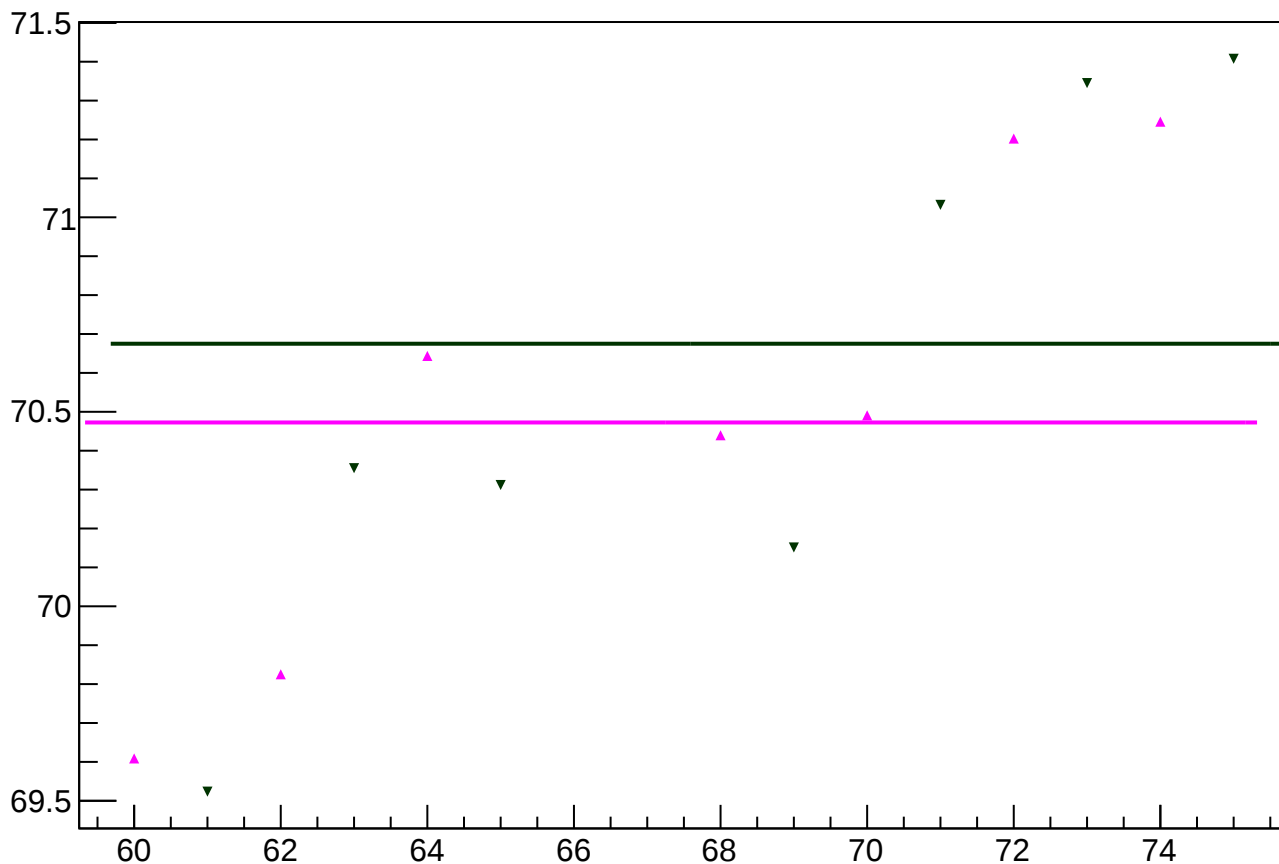
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.240+/-0.000  $\chi^2/\text{NDF}$ : 9644.8/6

0.230+/-0.000  $\chi^2/\text{NDF}$ : 56525.0/6

0.240+/-0.000  $\chi^2/\text{NDF}$ : 9644.8/6

# yield\_bcm\_an\_ds3\_mean vs slug



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

Left Out: 70.675+/-0.000  $\chi^2/\text{NDF}$ : 23465956.5/6

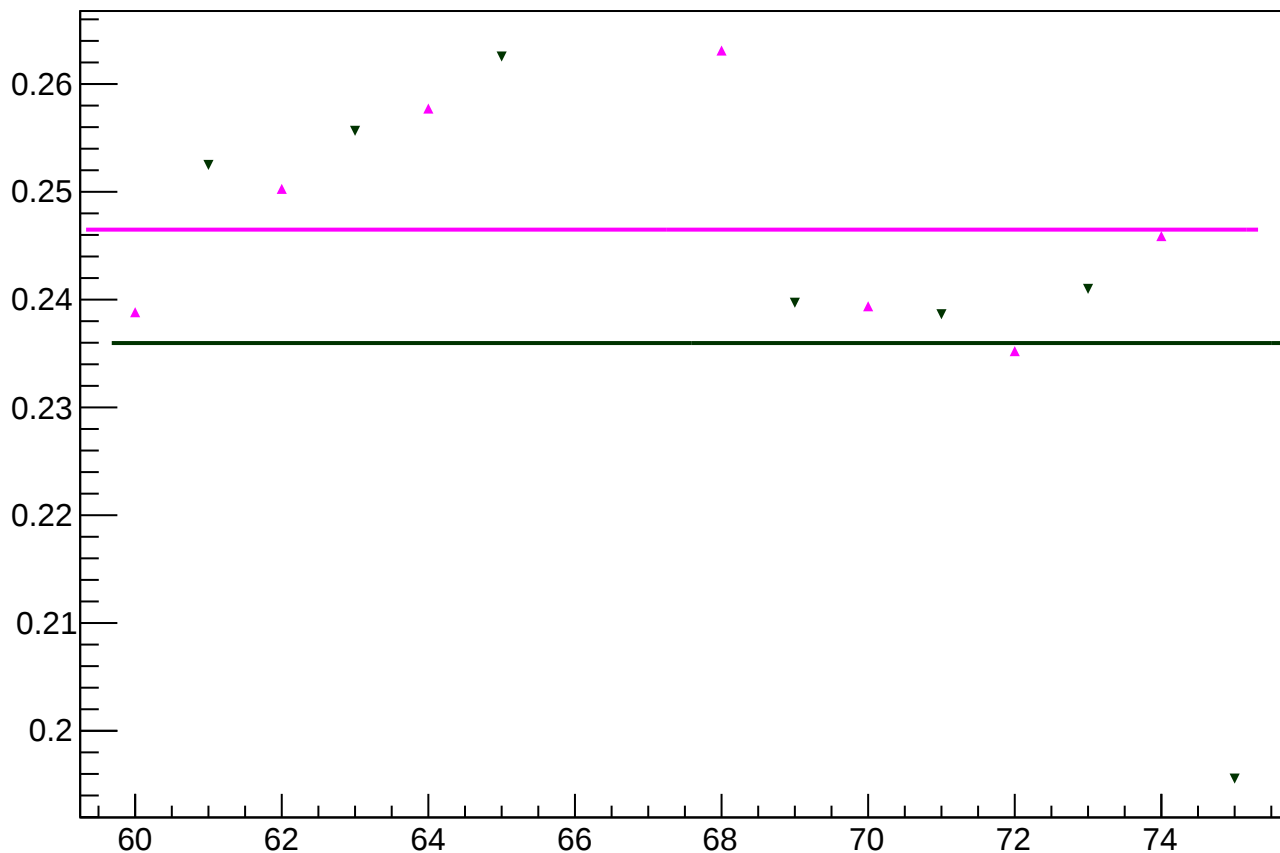
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 70.473+/-0.000  $\chi^2/\text{NDF}$ : 19467542.6/6

70.675+/-0.000  $\chi^2/\text{NDF}$ : 23465956.5/6

70.473+/-0.000  $\chi^2/\text{NDF}$ : 19467542.6/6

# yield\_bcm\_an\_ds3\_rms vs slug



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

Left Out: 0.236+/-0.000  $\chi^2/\text{NDF}$ : 56682.0/6

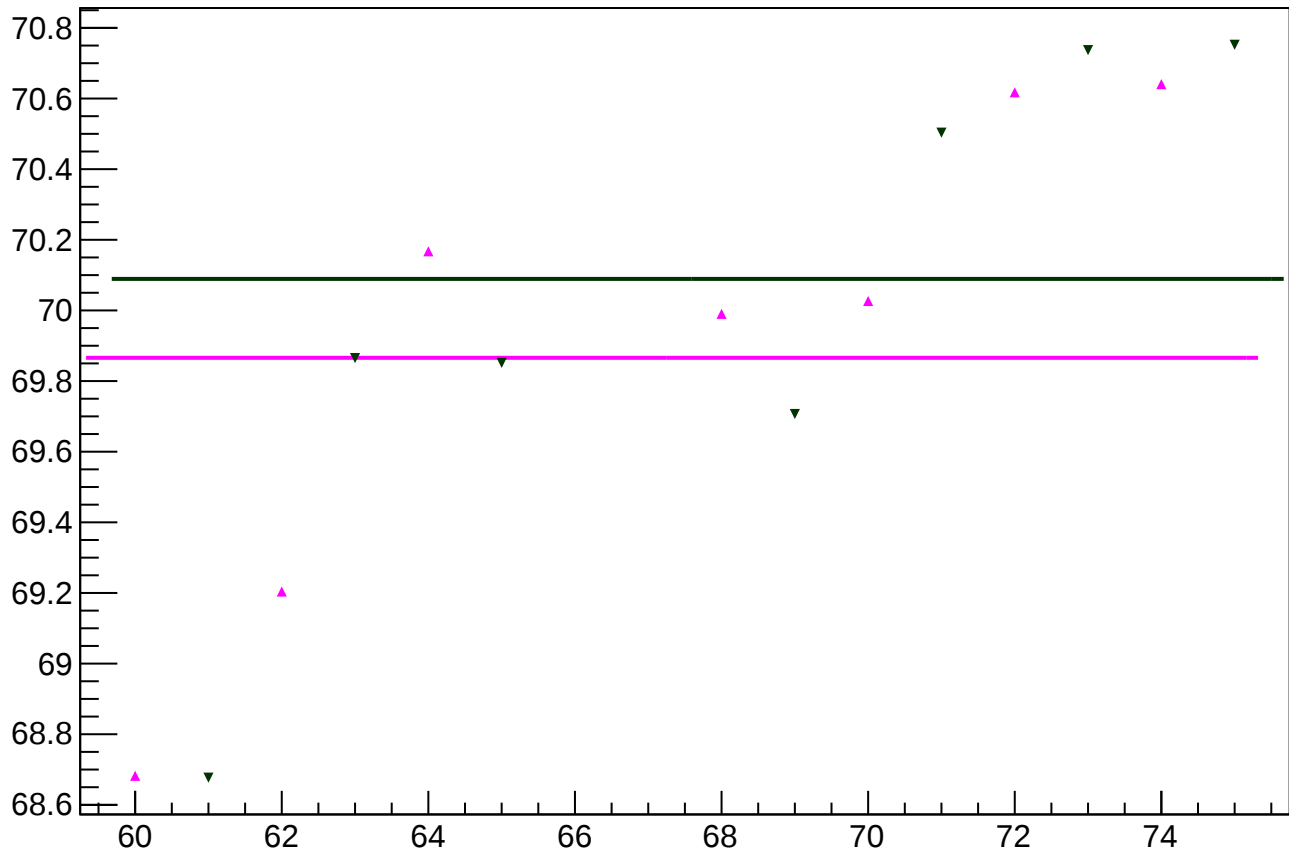
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.246+/-0.000  $\chi^2/\text{NDF}$ : 9607.3/6

0.236+/-0.000  $\chi^2/\text{NDF}$ : 56682.0/6

0.246+/-0.000  $\chi^2/\text{NDF}$ : 9607.3/6

# yield\_bcm\_an\_us\_mean vs slug



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

Left Out: 70.089+/-0.000  $\chi^2/\text{NDF}$ : 26173228.9/6

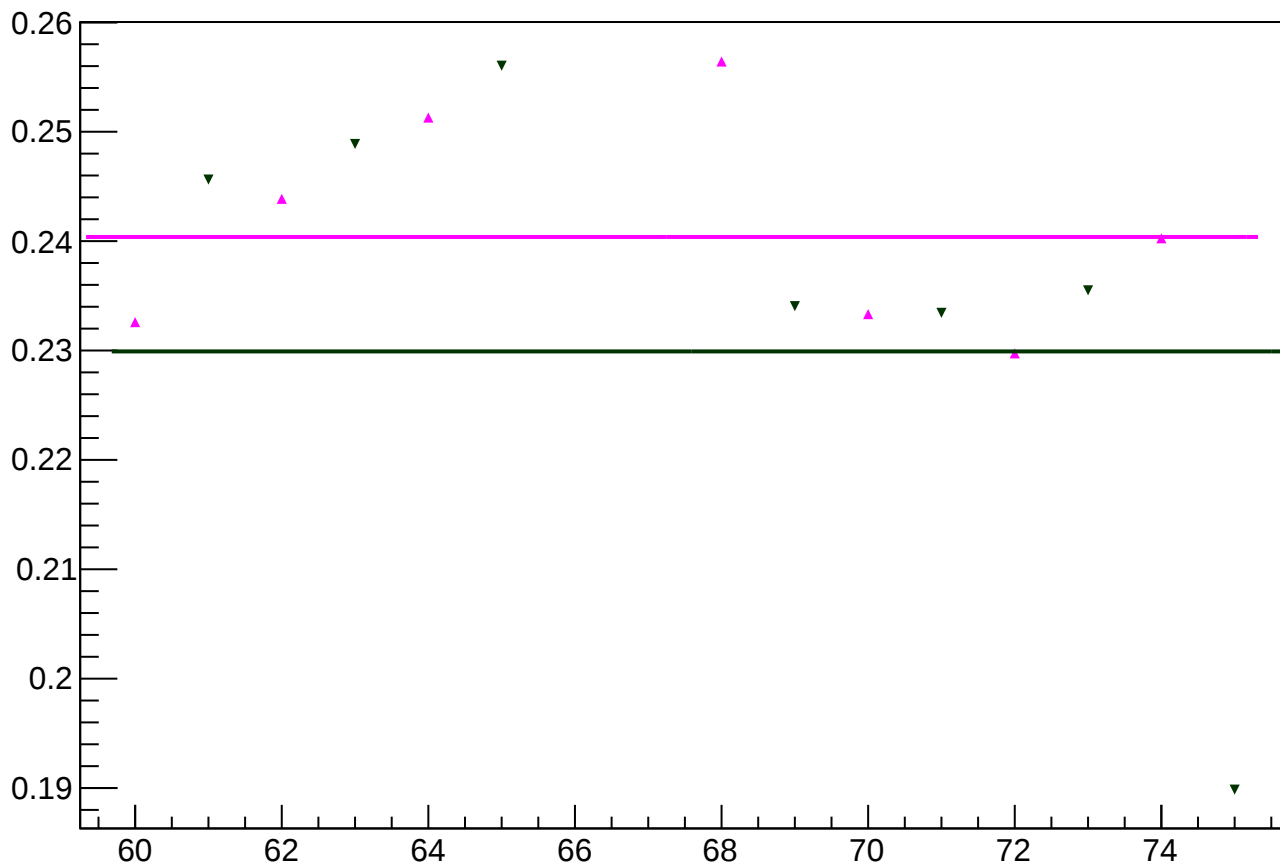
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 69.866+/-0.000  $\chi^2/\text{NDF}$ : 28078855.1/6

70.089+/-0.000  $\chi^2/\text{NDF}$ : 26173228.9/6

69.866+/-0.000  $\chi^2/\text{NDF}$ : 28078855.1/6

# yield\_bcm\_an\_us\_rms vs slug



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

Left Out: 0.230+/-0.000  $\chi^2/\text{NDF}$ : 58348.0/6

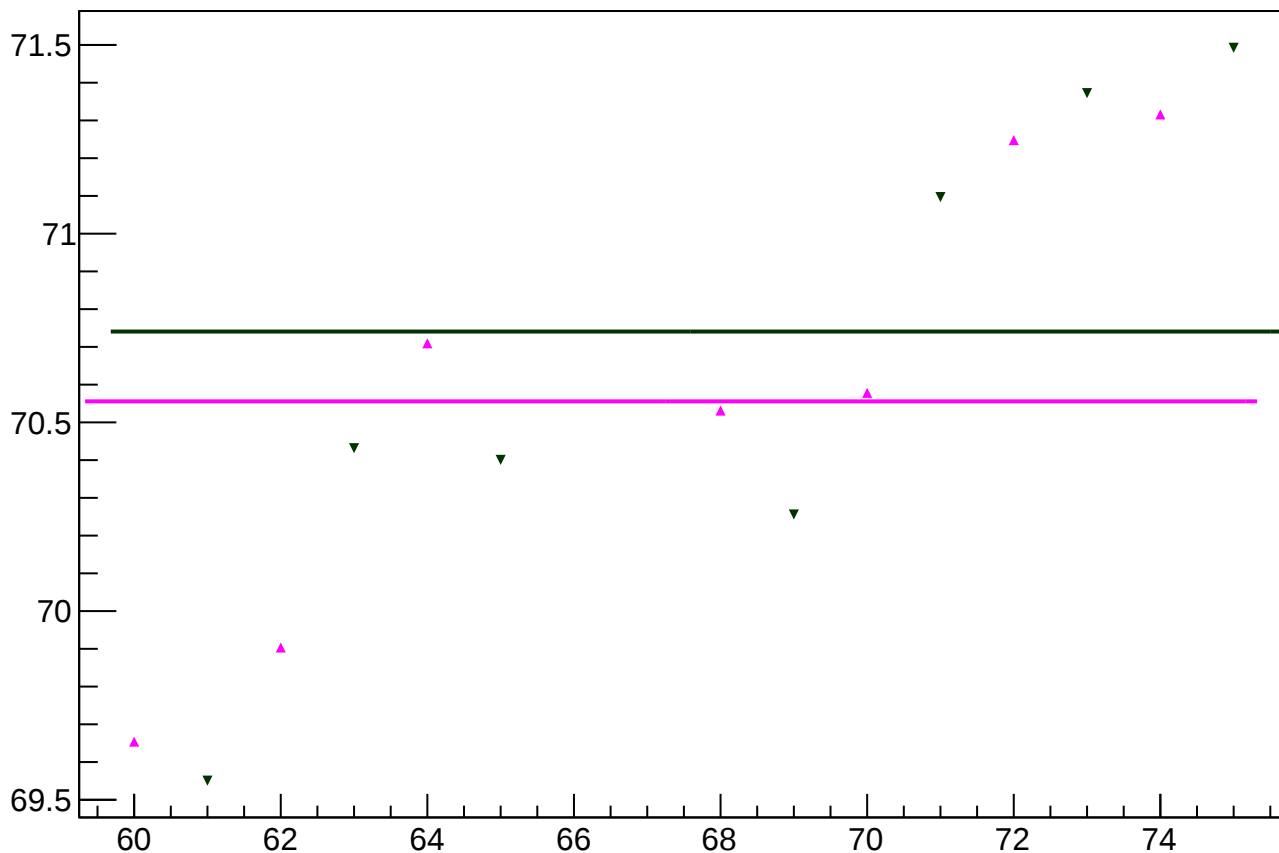
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.240+/-0.000  $\chi^2/\text{NDF}$ : 9485.4/6

0.230+/-0.000  $\chi^2/\text{NDF}$ : 58348.0/6

0.240+/-0.000  $\chi^2/\text{NDF}$ : 9485.4/6

# yield\_bcm\_dg\_us\_mean vs slug



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

Left Out: 70.741+/-0.000  $\chi^2/\text{NDF}$ : 23766670.6/6

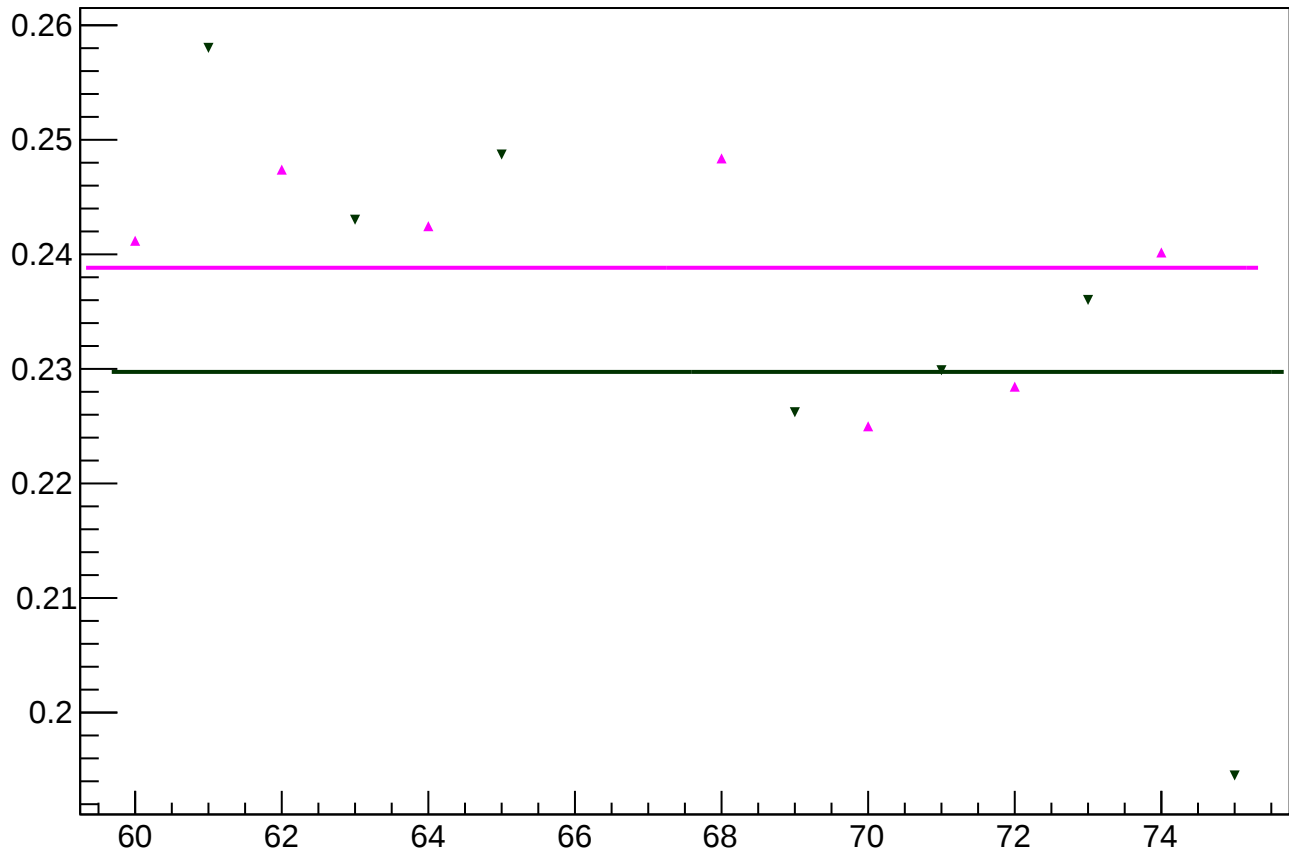
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 70.556+/-0.000  $\chi^2/\text{NDF}$ : 19908063.4/6

70.741+/-0.000  $\chi^2/\text{NDF}$ : 23766670.6/6

70.556+/-0.000  $\chi^2/\text{NDF}$ : 19908063.4/6

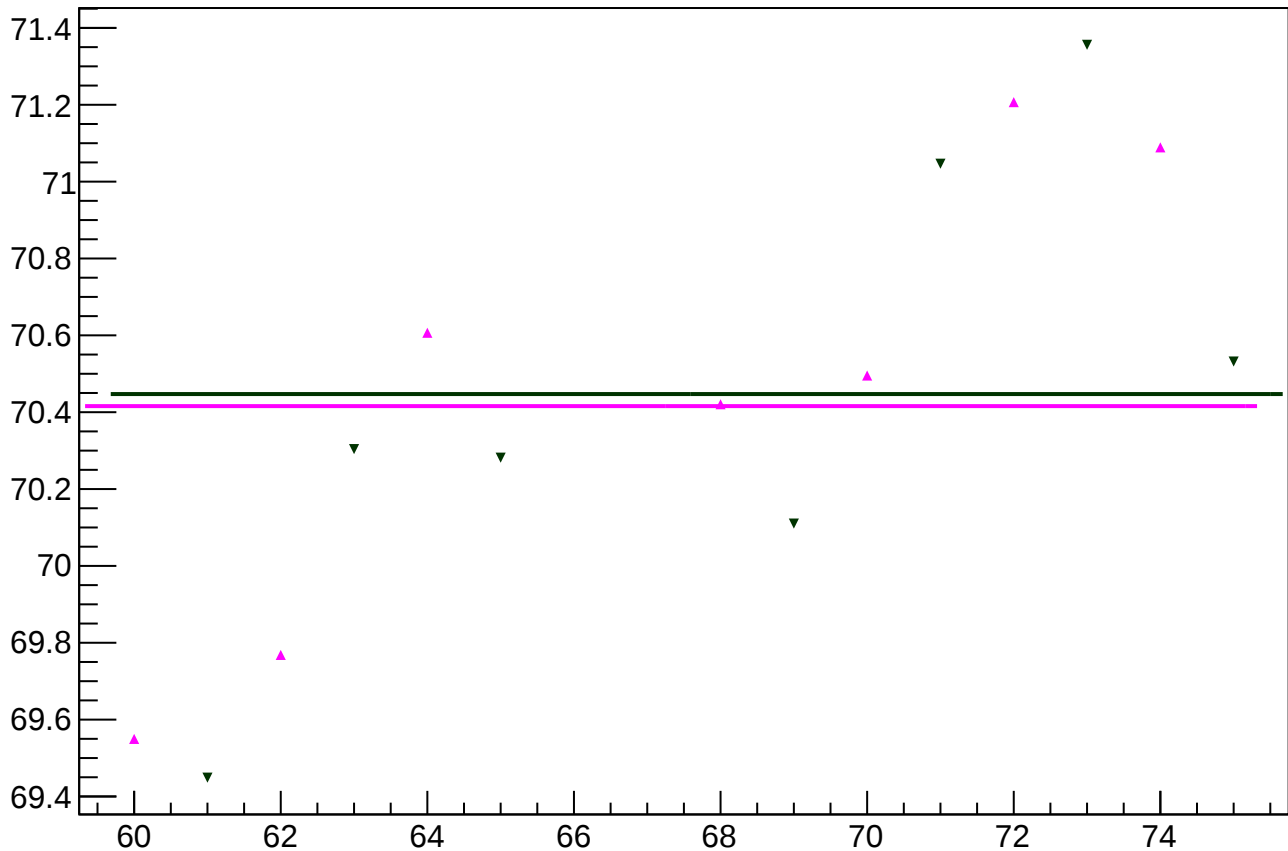
# yield\_bcm\_dg\_us\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.230+/-0.000  $\chi^2/\text{NDF}$ : 48334.4/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.239+/-0.000  $\chi^2/\text{NDF}$ : 7929.0/6

0.230+/-0.000  $\chi^2/\text{NDF}$ : 48334.4/6  
 0.239+/-0.000  $\chi^2/\text{NDF}$ : 7929.0/6

# yield\_bcm\_dg\_ds\_mean vs slug



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

Left Out: 70.447+/-0.000  $\chi^2/\text{NDF}$ :16997075.8/6

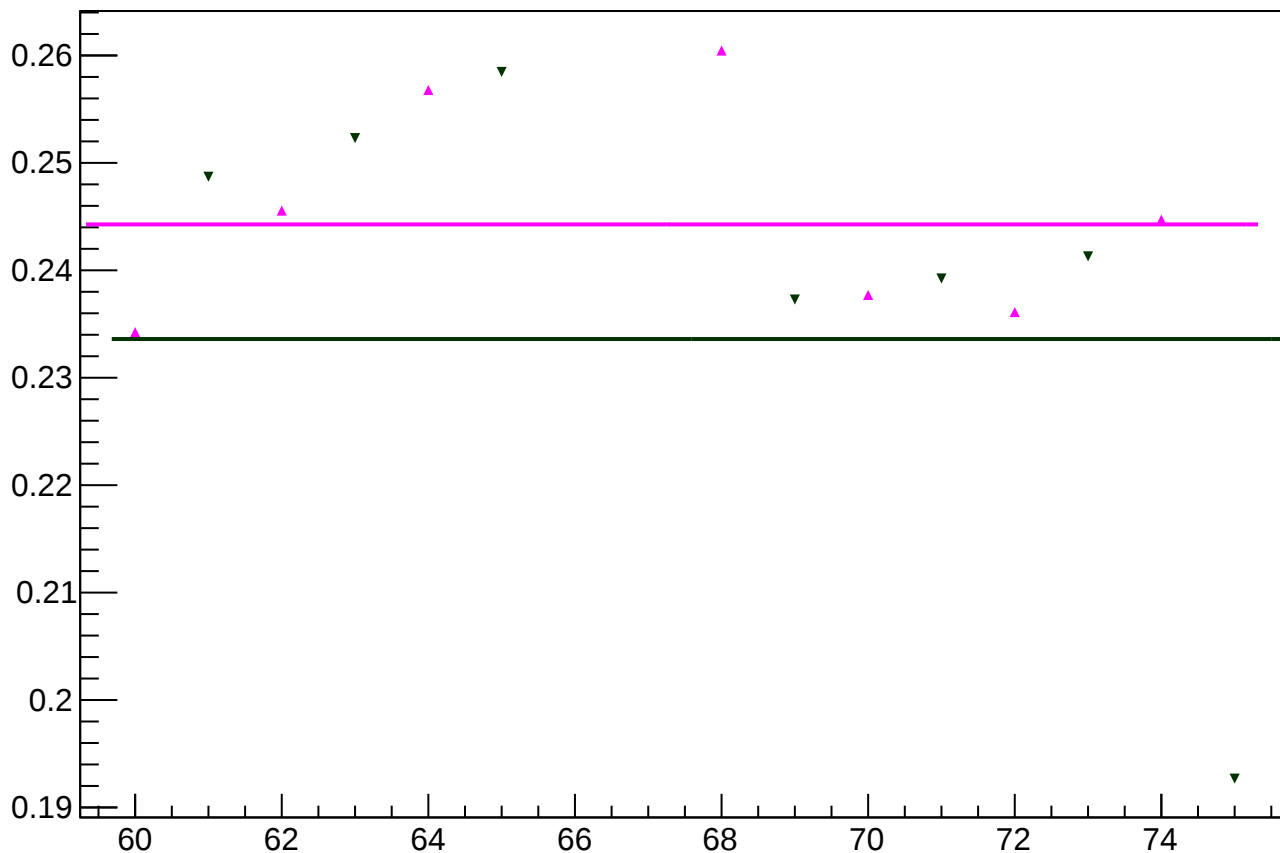
70.447+/-0.000  $\chi^2/\text{NDF}$ : 16997075.8/6

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

70.416+/-0.000  $\chi^2/\text{NDF}$ : 19549969.9/6

Left In: 70.416+/-0.000  $\chi^2/\text{NDF}$ :19549969.9/6

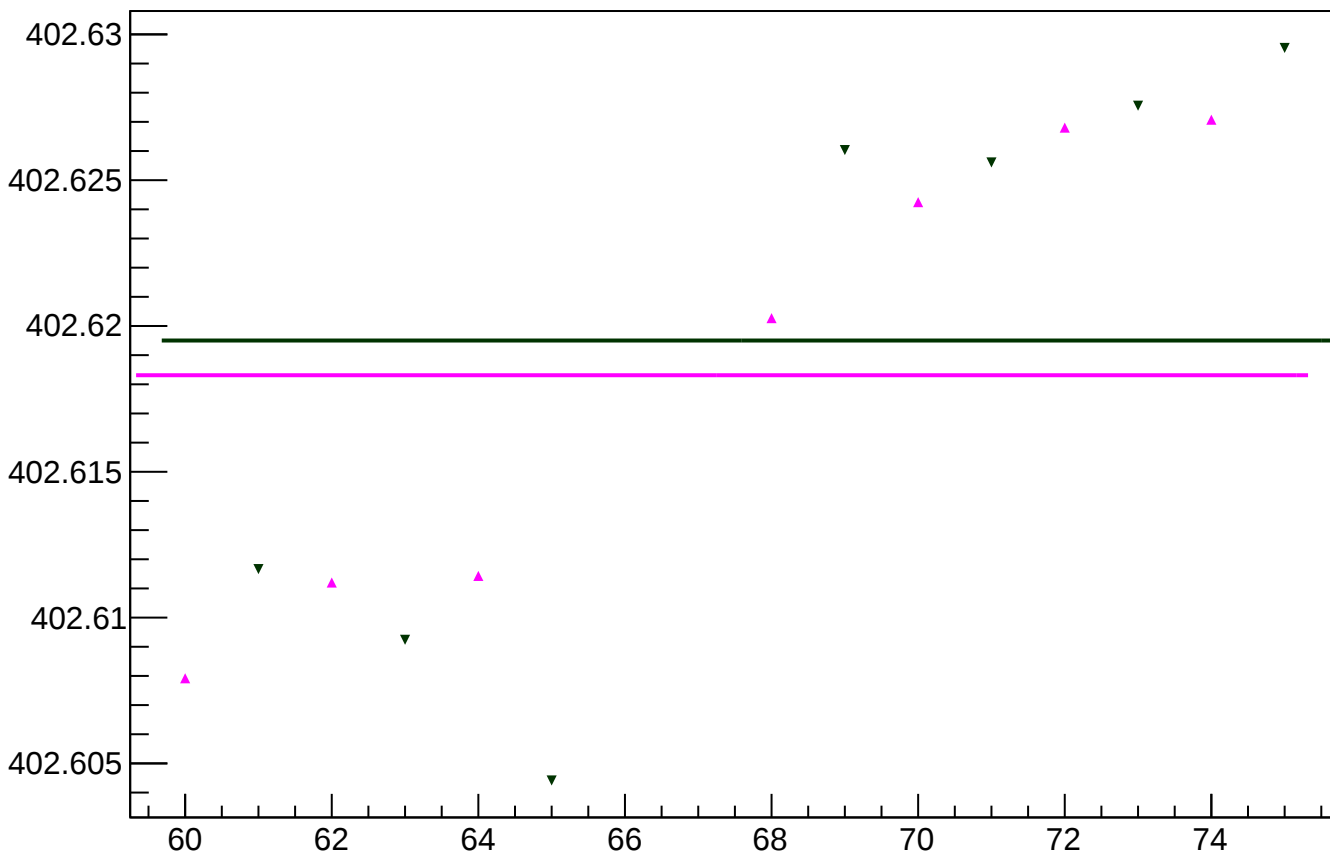
# yield\_bcm\_dg\_ds\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.234+/-0.000  $\chi^2/\text{NDF}$ : 58105.7/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.244+/-0.000  $\chi^2/\text{NDF}$ : 9480.5/6

0.234+/-0.000  $\chi^2/\text{NDF}$ : 58105.7/6  
 0.244+/-0.000  $\chi^2/\text{NDF}$ : 9480.5/6

# yield\_cav4bQ\_mean vs slug



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

Left Out: 402.620+/-0.000  $\chi^2/\text{NDF}$ : 6350989.5/6

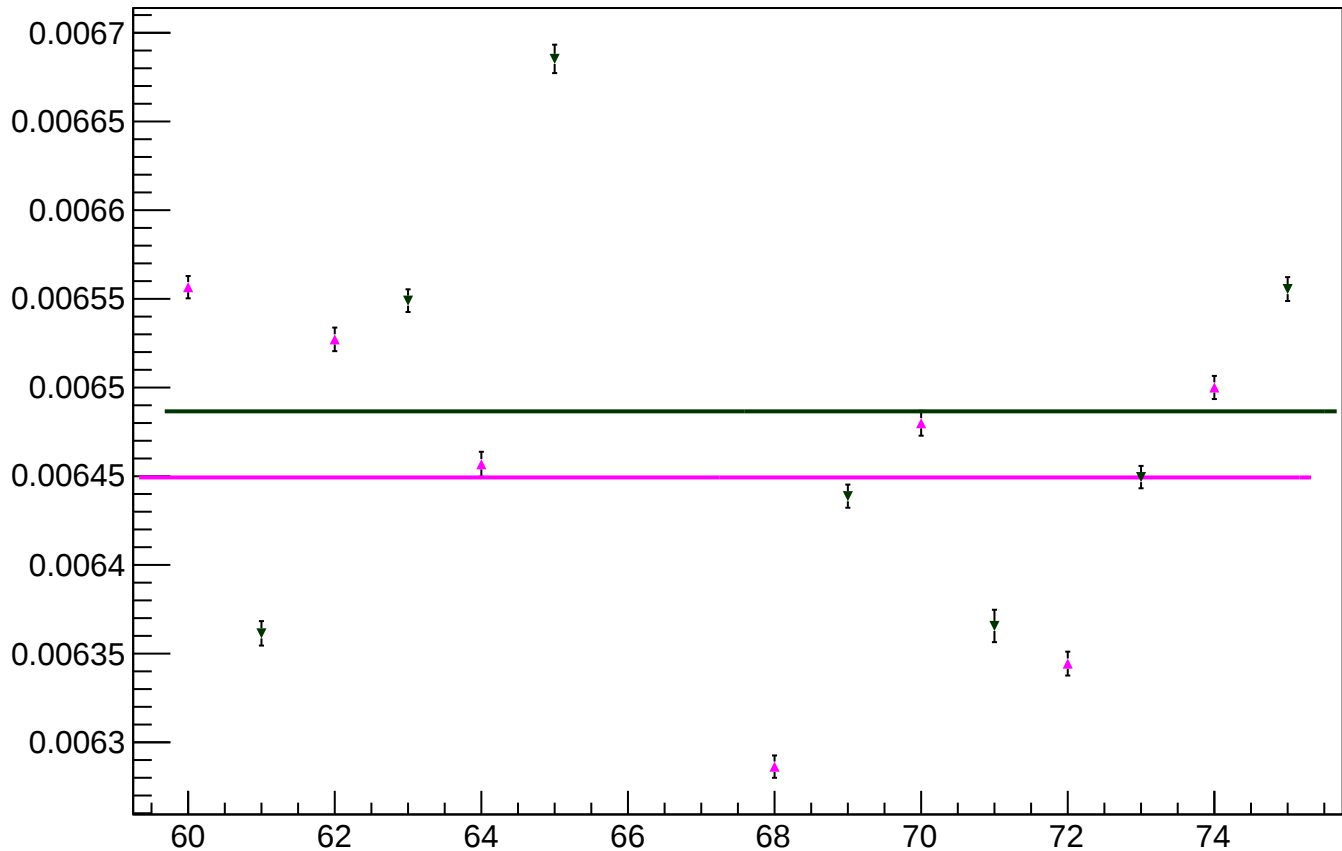
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 402.618+/-0.000  $\chi^2/\text{NDF}$ : 4513280.8/6

402.620+/-0.000  $\chi^2/\text{NDF}$ : 6350989.5/6

402.618+/-0.000  $\chi^2/\text{NDF}$ : 4513280.8/6

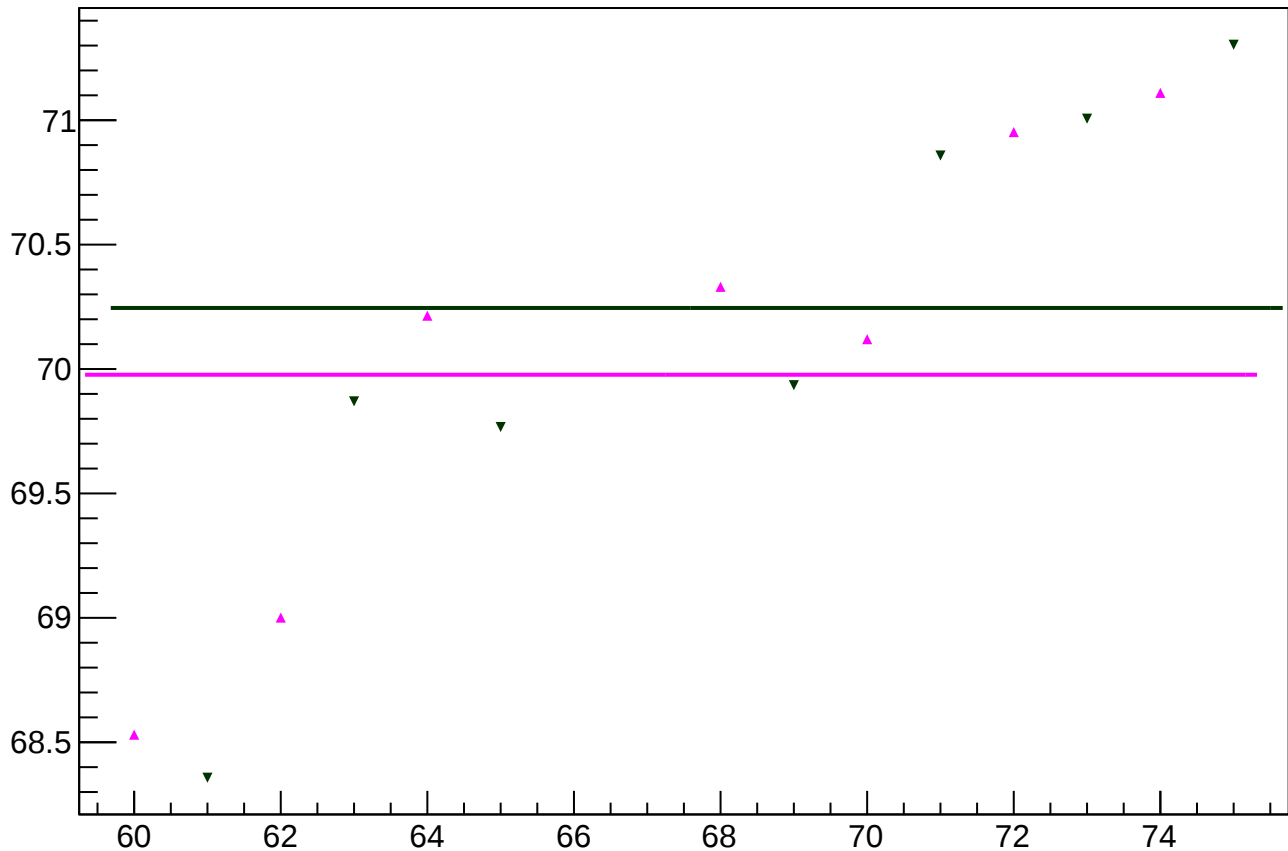
# yield\_cav4bQ\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ :1407.5/6  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.006+/-0.000  $\chi^2/\text{NDF}$ :1421.4/6

0.006+/-0.000  $\chi^2/\text{NDF}$ : 1407.5/6  
0.006+/-0.000  $\chi^2/\text{NDF}$ : 1421.4/6

# yield\_cav4cQ\_mean vs slug



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

Left Out: 70.245+/-0.000  $\chi^2/\text{NDF}$ : 48560751.5/6

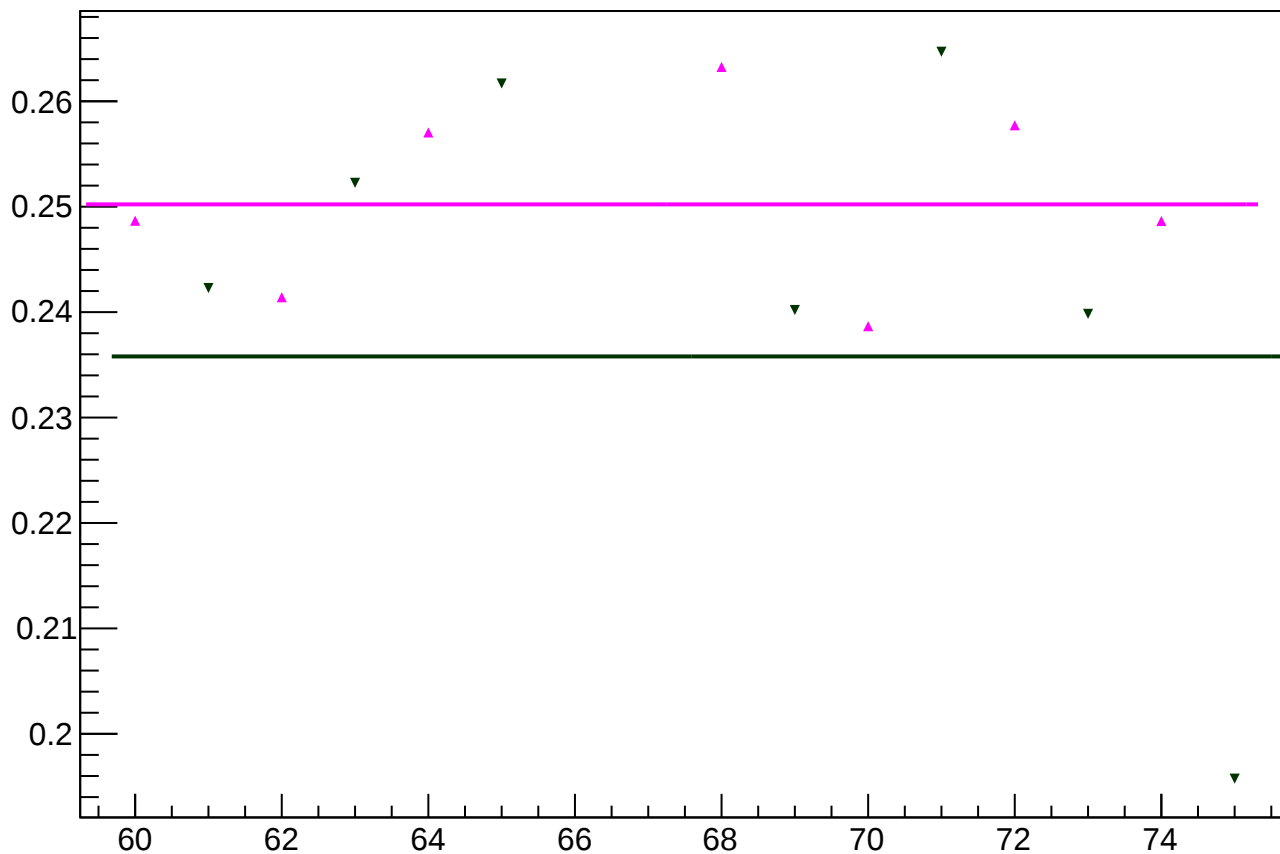
70.245+/-0.000  $\chi^2/\text{NDF}$ : 48560751.5/6

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

69.977+/-0.000  $\chi^2/\text{NDF}$ : 43206864.0/6

Left In: 69.977+/-0.000  $\chi^2/\text{NDF}$ : 43206864.0/6

# yield\_cav4cQ\_rms vs slug



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

Left Out: 0.236+/-0.000  $\chi^2/\text{NDF}$ : 56342.2/6

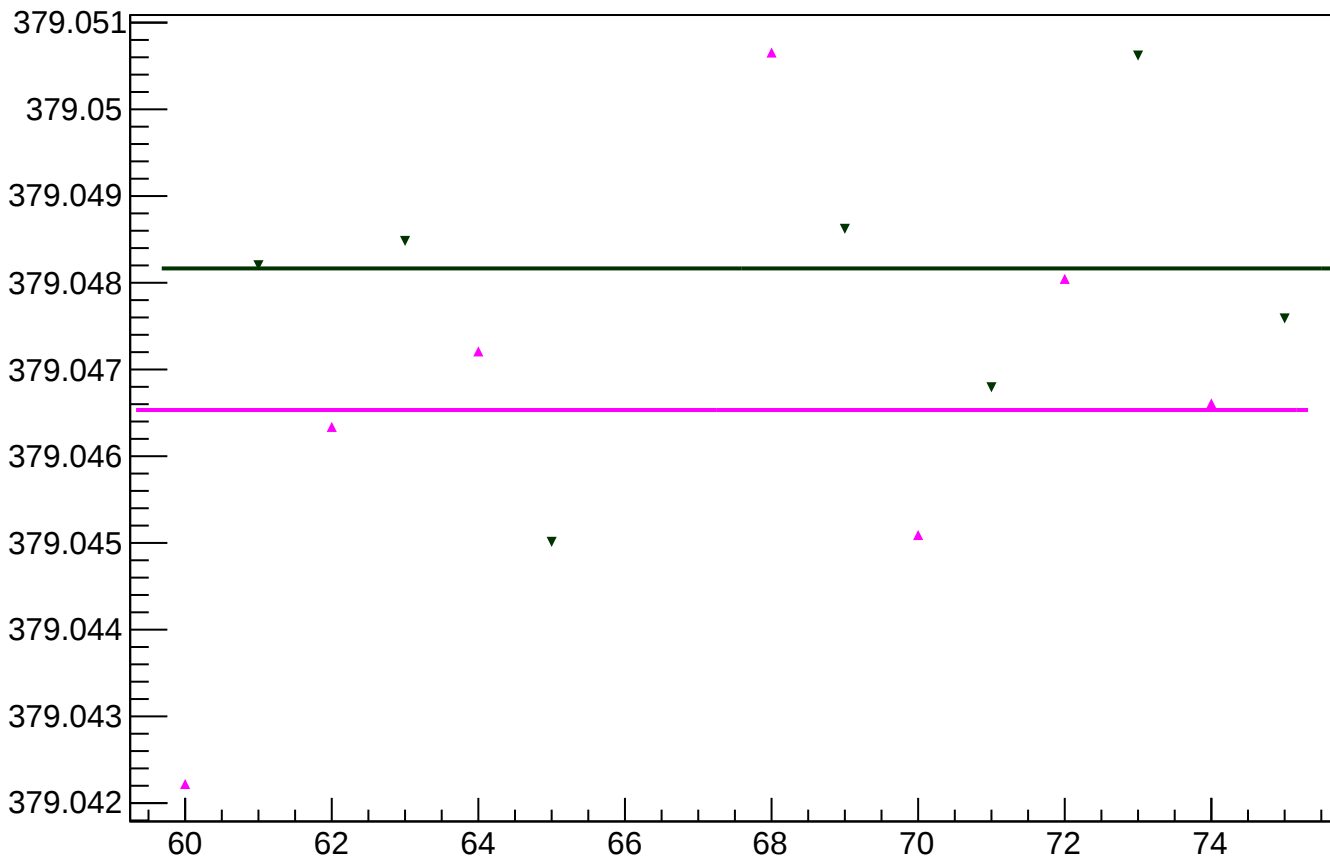
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.250+/-0.000  $\chi^2/\text{NDF}$ : 7057.9/6

0.236+/-0.000  $\chi^2/\text{NDF}$ : 56342.2/6

0.250+/-0.000  $\chi^2/\text{NDF}$ : 7057.9/6

# yield\_cav4dQ\_mean vs slug



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

Left Out: 379.048+/-0.000  $\chi^2/\text{NDF}$ :160654.6/6

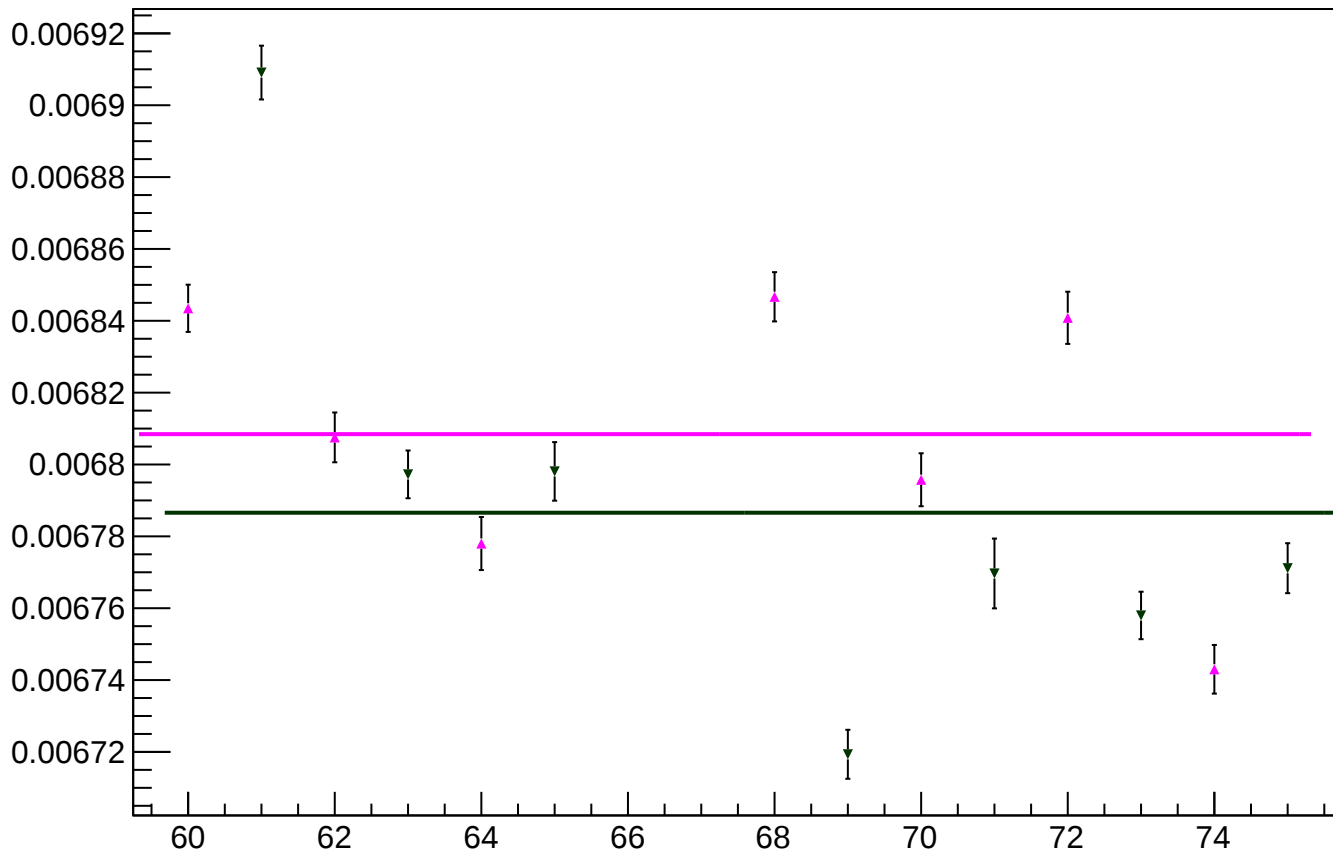
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 379.047+/-0.000  $\chi^2/\text{NDF}$ :441503.3/6

379.048+/-0.000  $\chi^2/\text{NDF}$ : 160654.6/6

379.047+/-0.000  $\chi^2/\text{NDF}$ : 441503.3/6

# yield\_cav4dQ\_rms vs slug



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

Left Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 396.1/6

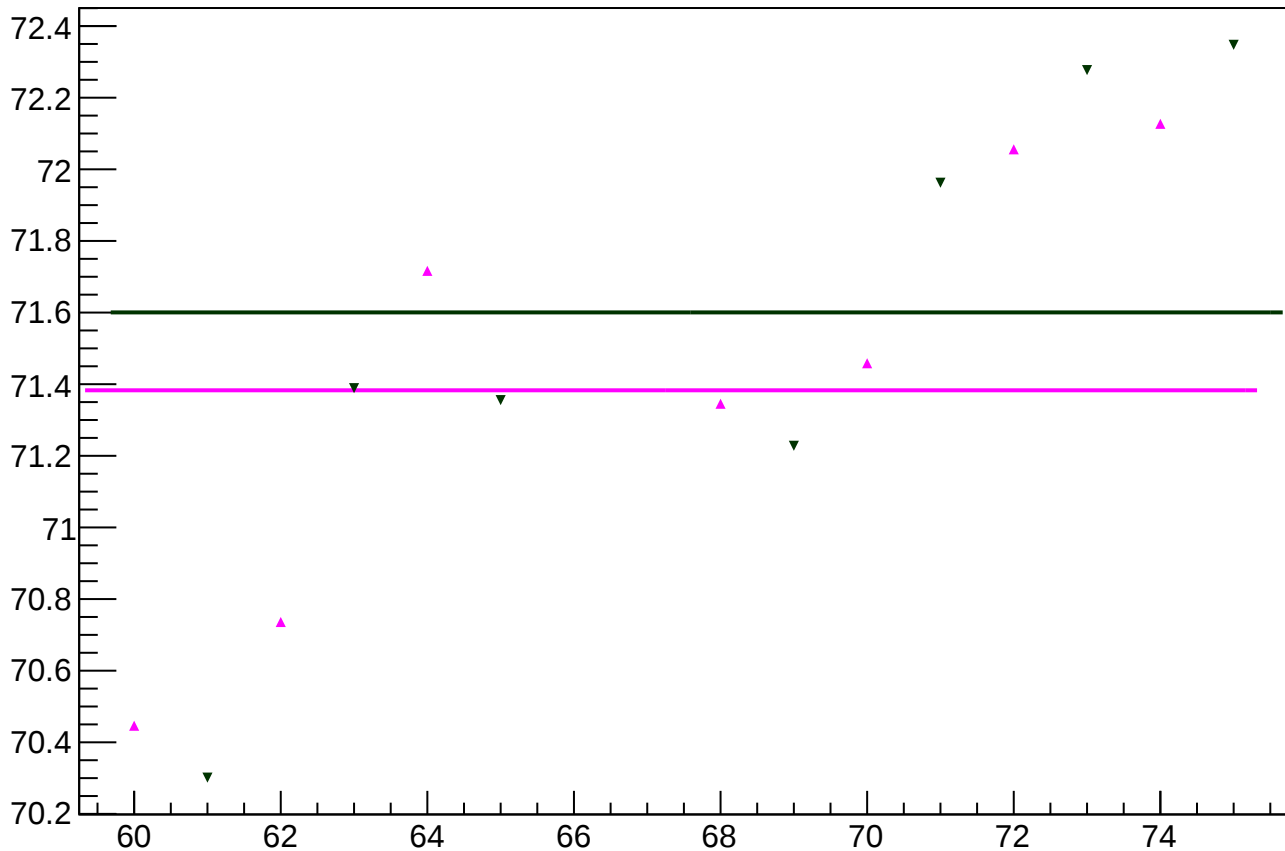
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 192.8/6

0.007+/-0.000  $\chi^2/\text{NDF}$ : 396.1/6

0.007+/-0.000  $\chi^2/\text{NDF}$ : 192.8/6

yield\_bcm0l02\_mean vs slug



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

Left Out: 71.600+/-0.000  $\chi^2/\text{NDF}$ : 14346979.3/6

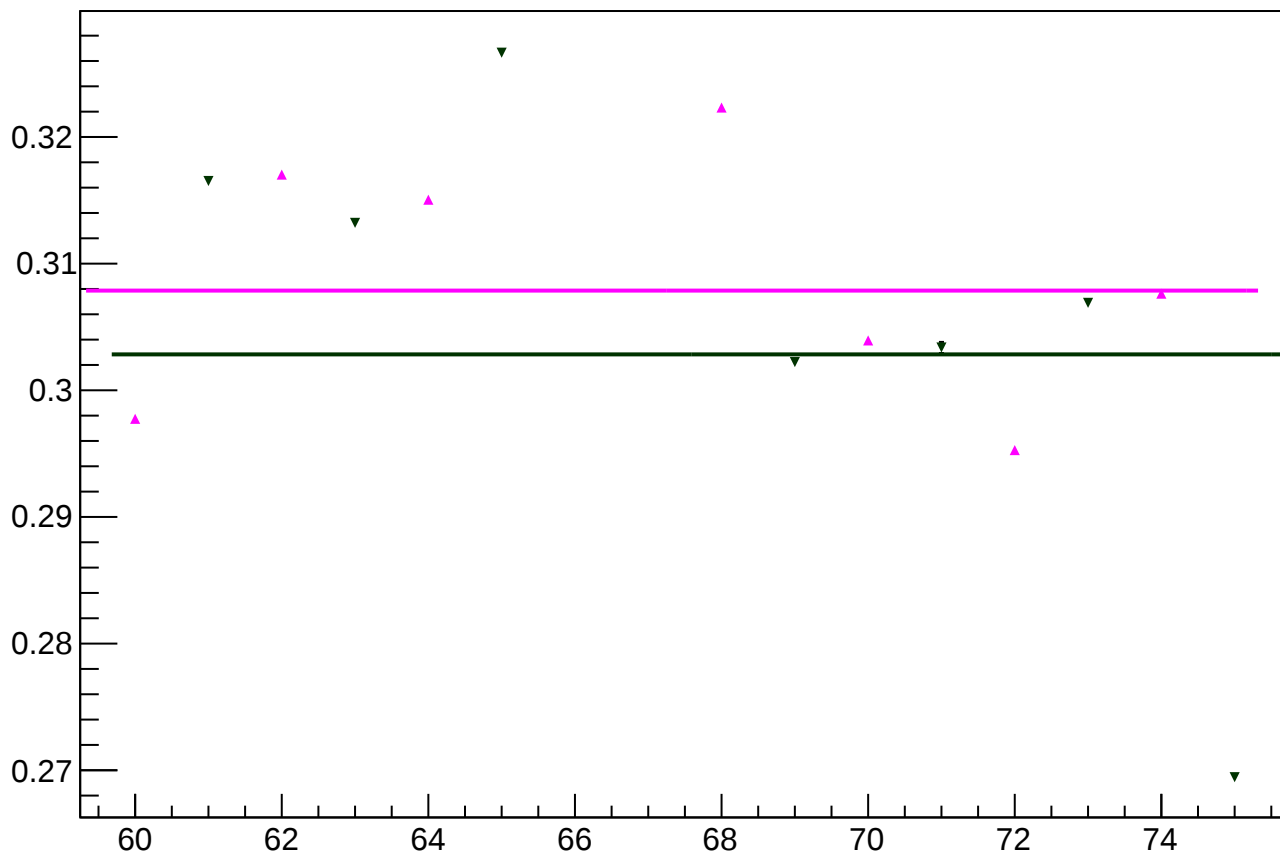
71.600+/-0.000  $\chi^2/\text{NDF}$ : 14346979.3/6

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

71.383+/-0.000  $\chi^2/\text{NDF}$ : 12611072.6/6

Left In: 71.383+/-0.000  $\chi^2/\text{NDF}$ : 12611072.6/6

# yield\_bcm0l02\_rms vs slug



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

Left Out: 0.303+/-0.000  $\chi^2/\text{NDF}$ : 20229.4/6

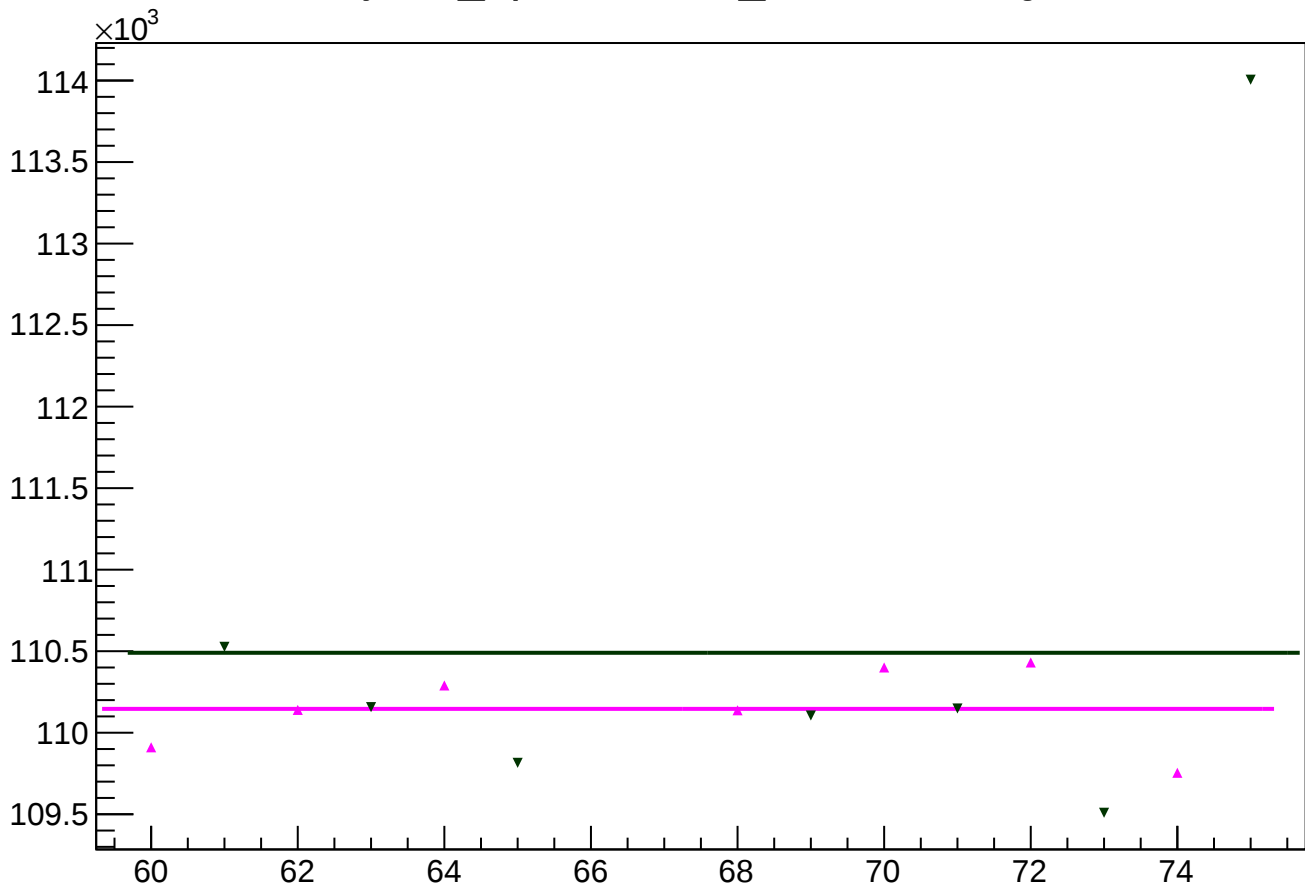
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.308+/-0.000  $\chi^2/\text{NDF}$ : 6043.4/6

0.303+/-0.000  $\chi^2/\text{NDF}$ : 20229.4/6

0.308+/-0.000  $\chi^2/\text{NDF}$ : 6043.4/6

# yield\_bpm2i01WS\_mean vs slug



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

Left Out: 110490.296 $\pm$ 0.083  $\chi^2$ /NDF:268303115.3/6

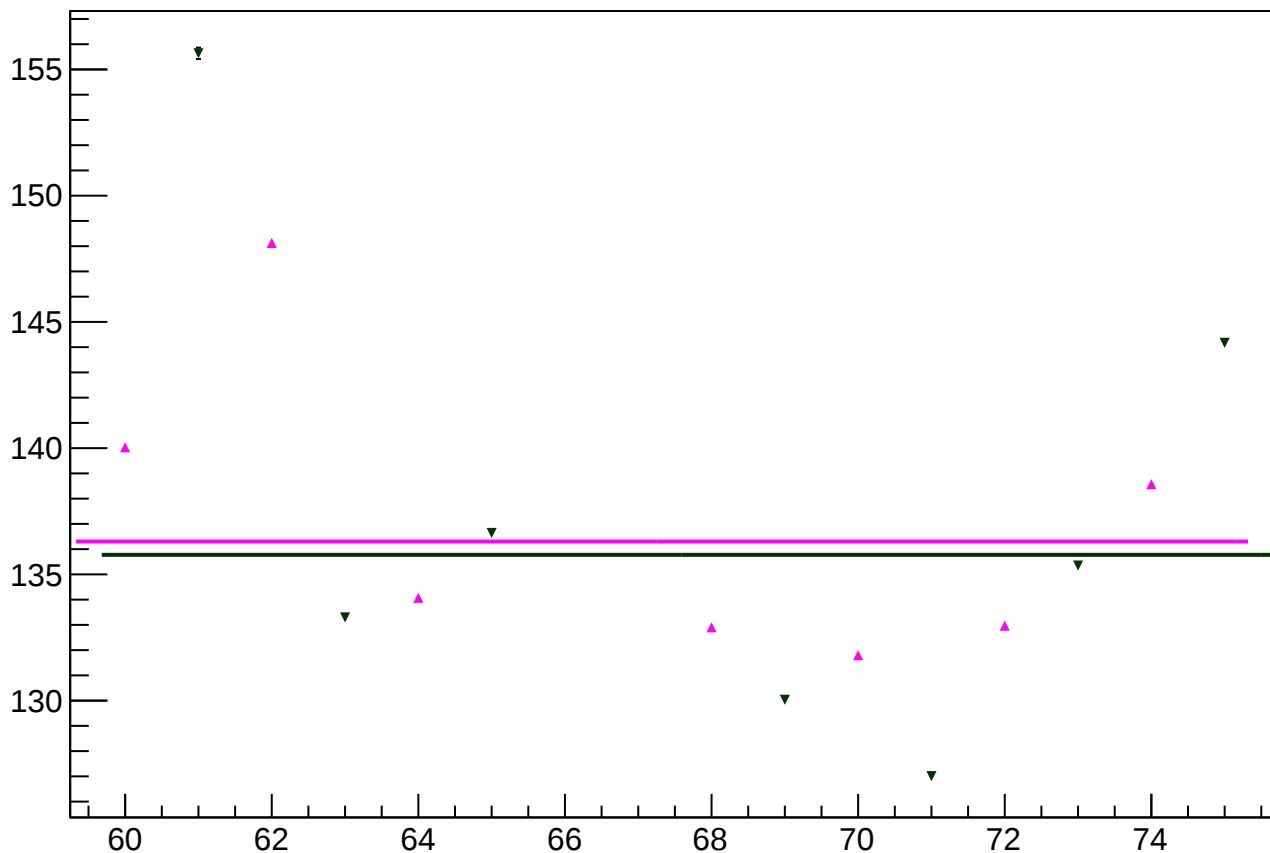
110490.296 $\pm$ 0.083  $\chi^2$ /NDF: 268303115.3/6

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

110146.279 $\pm$ 0.078  $\chi^2$ /NDF: 9247535.9/6

Left In: 110146.279 $\pm$ 0.078  $\chi^2$ /NDF:9247535.9/6

# yield\_bpm2i01WS\_rms vs slug



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

Left Out: 135.774+/-0.059  $\chi^2/\text{NDF}$ : 14863.4/6

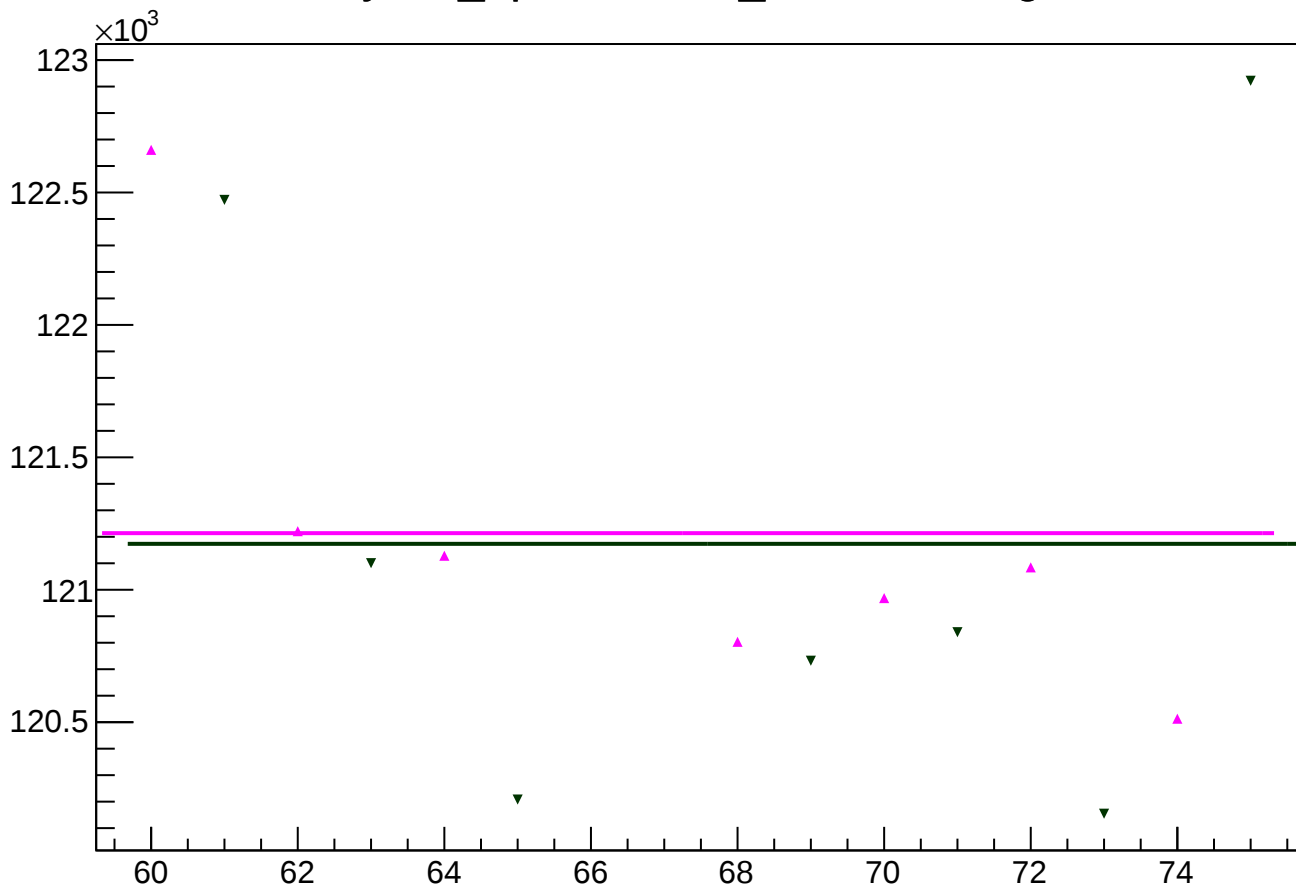
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 136.301+/-0.055  $\chi^2/\text{NDF}$ : 7585.2/6

135.774+/-0.059  $\chi^2/\text{NDF}$ : 14863.4/6

136.301+/-0.055  $\chi^2/\text{NDF}$ : 7585.2/6

# yield\_bpm0i07WS\_mean vs slug



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

Left Out: 121173.401+/-0.143  $\chi^2/\text{NDF}$ : 50972522.0/6

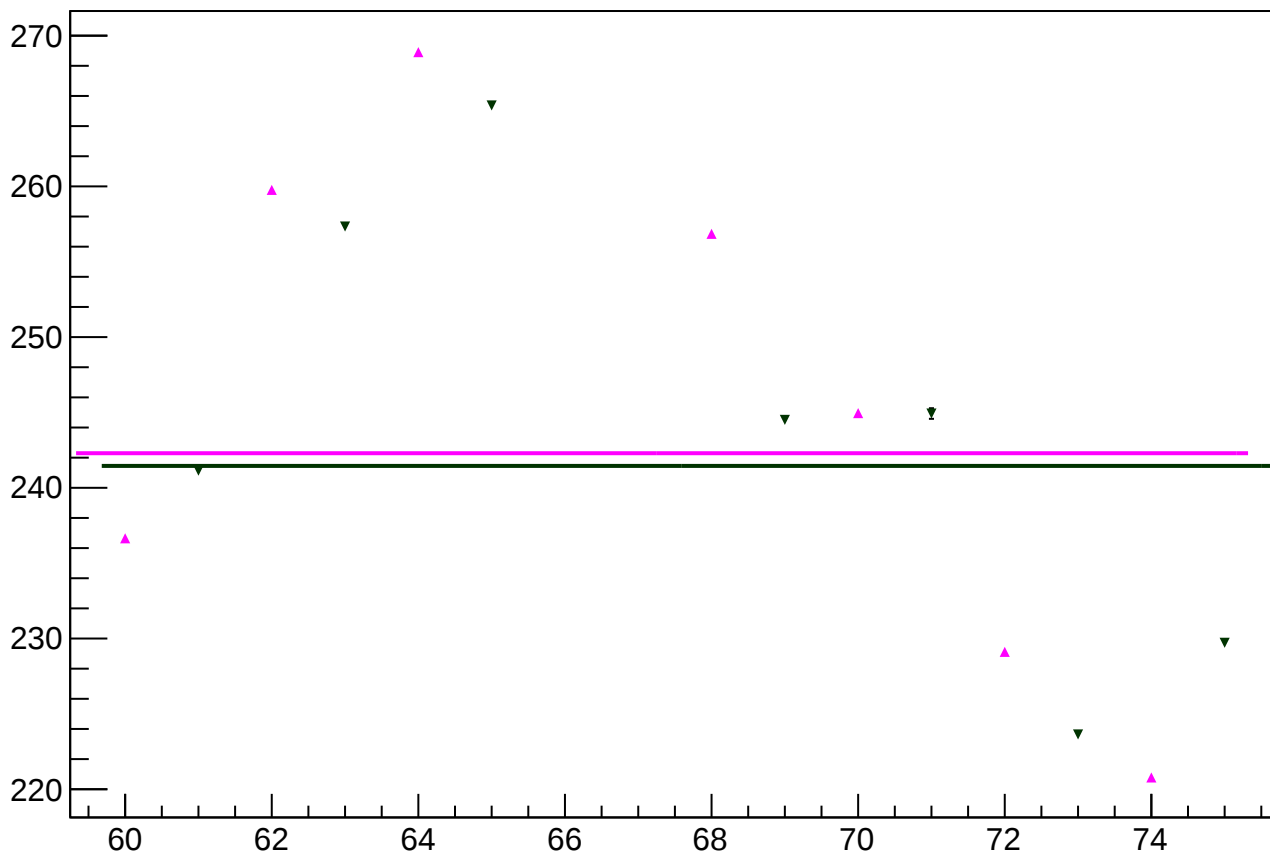
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 121213.763+/-0.136  $\chi^2/\text{NDF}$ : 26317381.6/6

121173.401+/-0.143  $\chi^2/\text{NDF}$ : 50972522.0/6

121213.763+/-0.136  $\chi^2/\text{NDF}$ : 26317381.6/6

# yield\_bpm0i07WS\_rms vs slug



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

Left Out: 241.453+/-0.101  $\chi^2/\text{NDF}$ : 18731.6/6

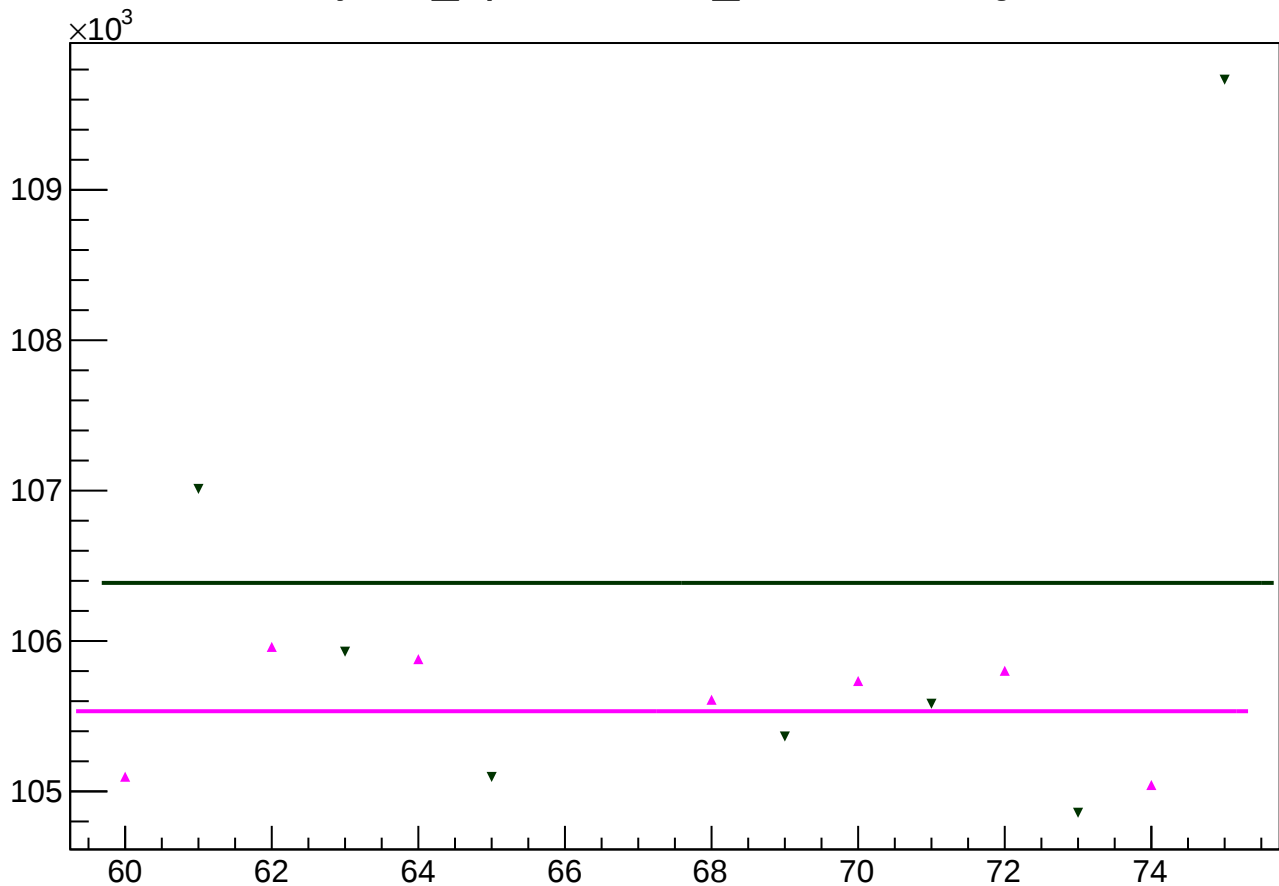
241.453+/-0.101  $\chi^2/\text{NDF}$ : 18731.6/6

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

242.296+/-0.096  $\chi^2/\text{NDF}$ : 27803.6/6

Left In: 242.296+/-0.096  $\chi^2/\text{NDF}$ : 27803.6/6

# yield\_bpm0l01WS\_mean vs slug



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

Left Out: 106386.439+/-0.092  $\chi^2/\text{NDF}$ : 365054008.3/6

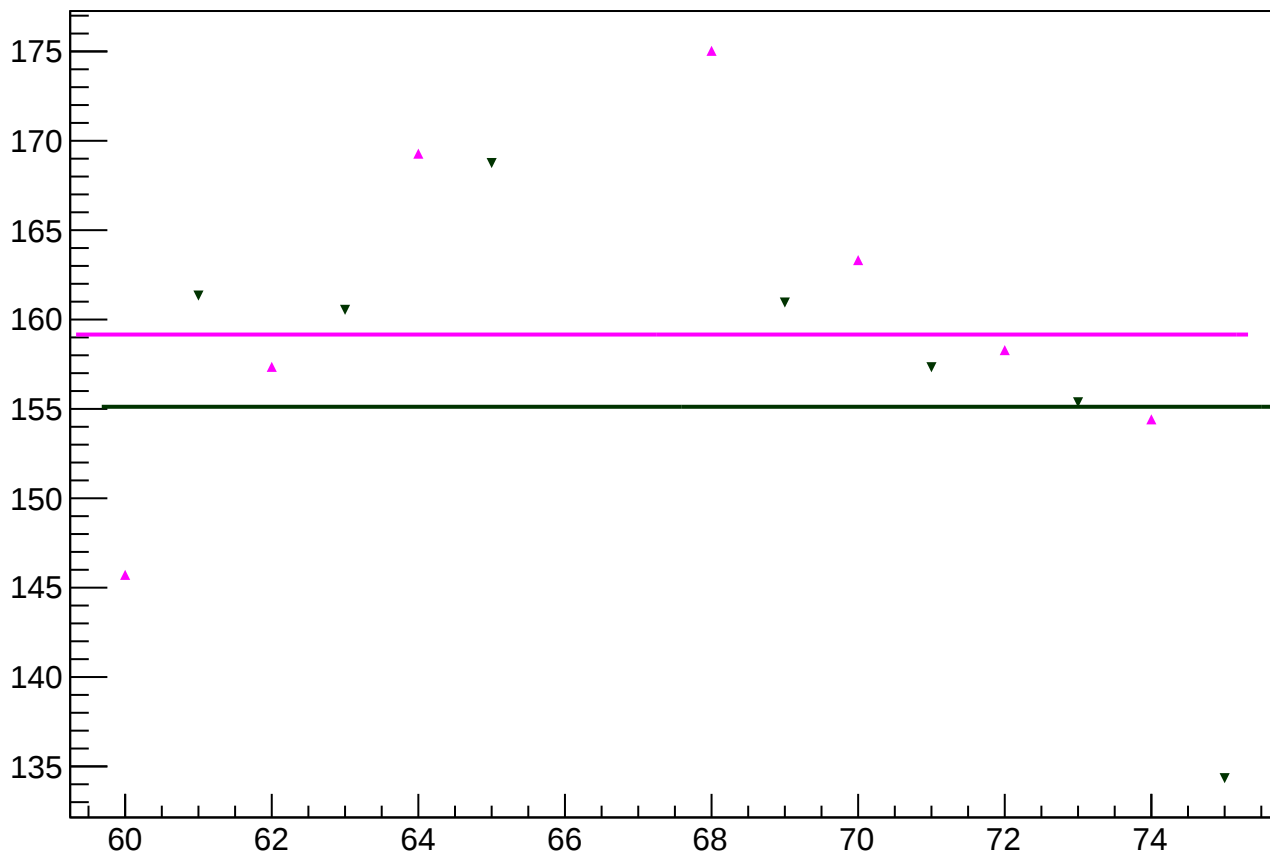
106386.439+/-0.092  $\chi^2/\text{NDF}$ : 365054008.3/6

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

105533.080+/-0.090  $\chi^2/\text{NDF}$ : 16172439.1/6

Left In: 105533.080+/-0.090  $\chi^2/\text{NDF}$ : 16172439.1/6

# yield\_bpm0l01WS\_rms vs slug



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

Left Out: 155.120+/-0.065  $\chi^2/\text{NDF}$ : 28029.6/6

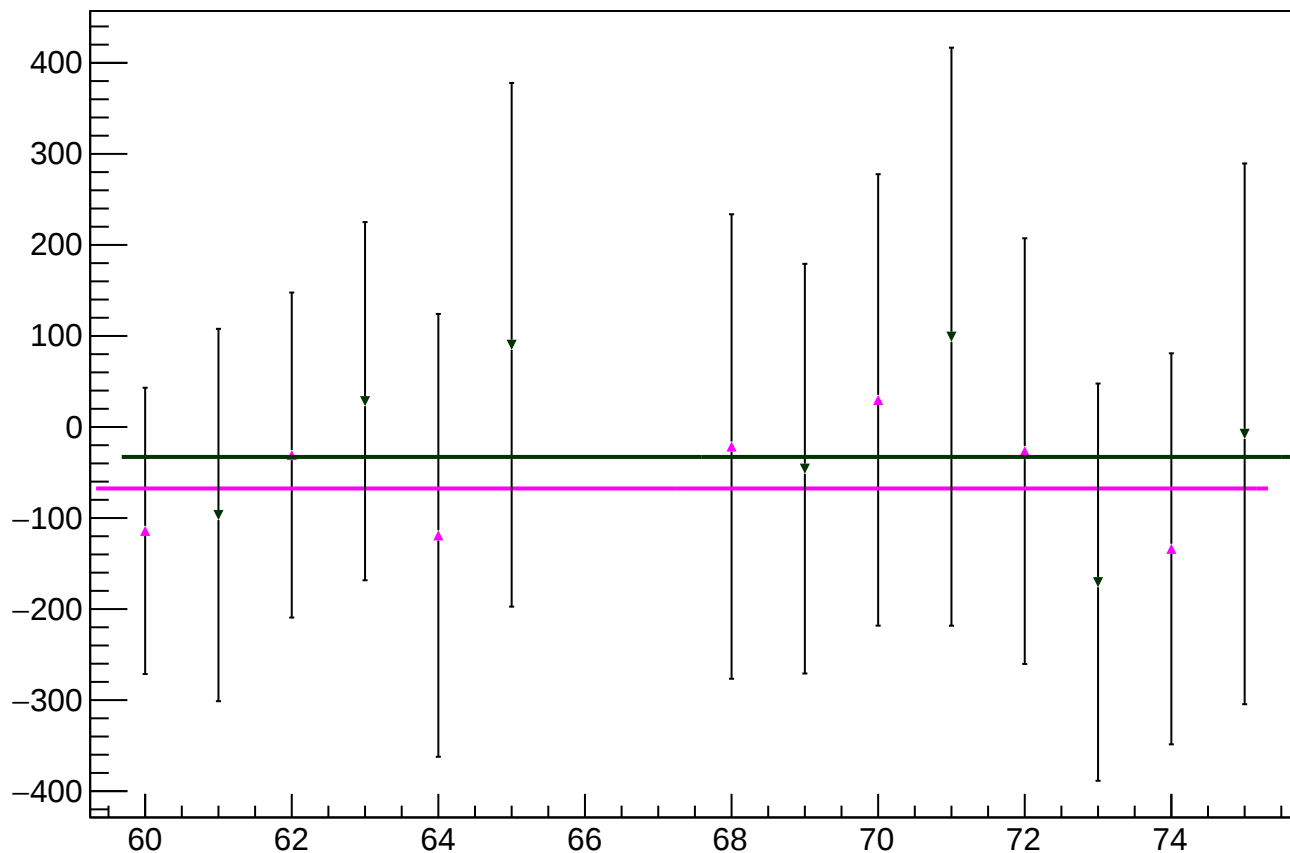
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 159.161+/-0.063  $\chi^2/\text{NDF}$ : 21512.1/6

155.120+/-0.065  $\chi^2/\text{NDF}$ : 28029.6/6

159.161+/-0.063  $\chi^2/\text{NDF}$ : 21512.1/6

# asym\_bcm\_an\_ds\_mean vs slug



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

Left Out: -32.881+/-89.857  $\chi^2/\text{NDF}$ : 1.0/6

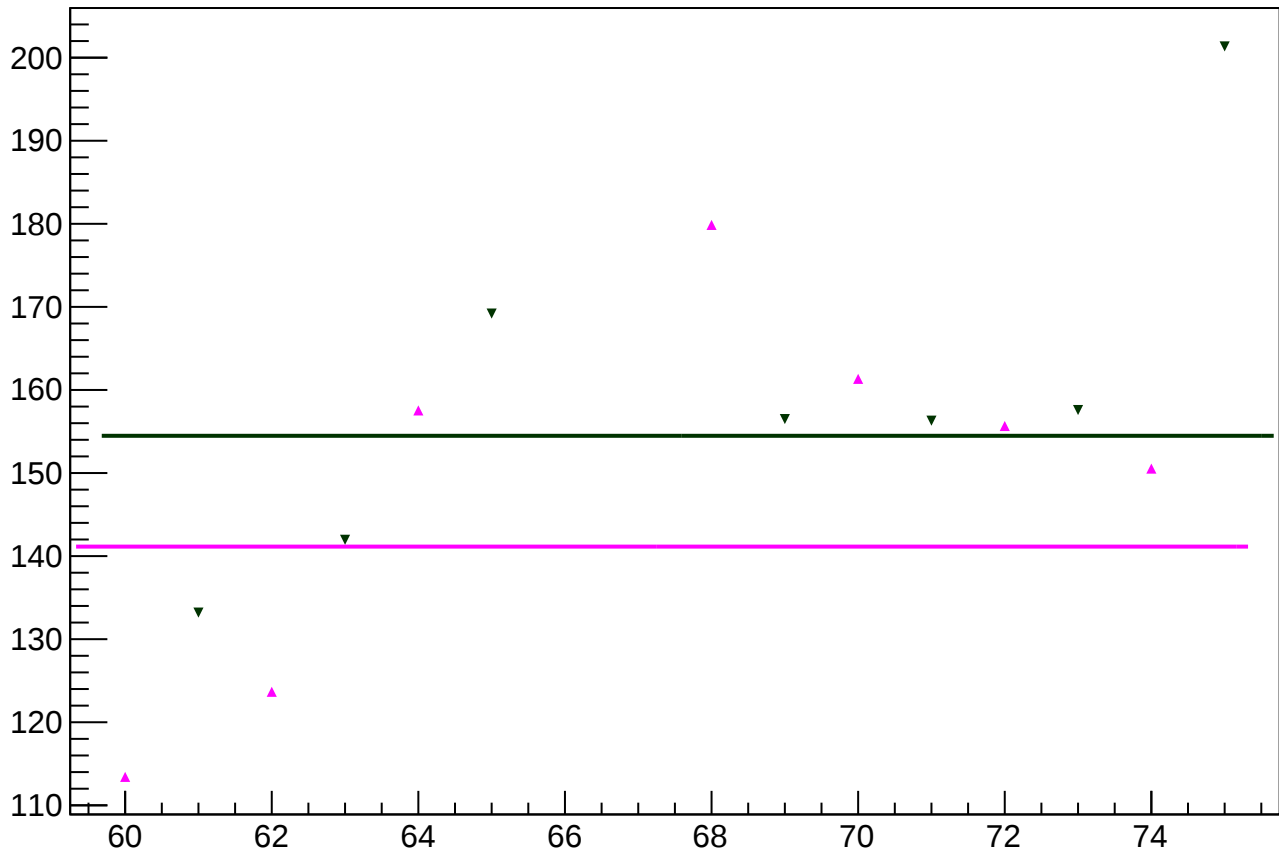
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -67.521+/-78.975  $\chi^2/\text{NDF}$ : 0.5/6

-32.881+/-89.857  $\chi^2/\text{NDF}$ : 1.0/6

-67.521+/-78.975  $\chi^2/\text{NDF}$ : 0.5/6

# asym\_bcm\_an\_ds\_rms vs slug



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

Left Out: 154.482+/-0.064  $\chi^2/\text{NDF}$ : 85429.1/6

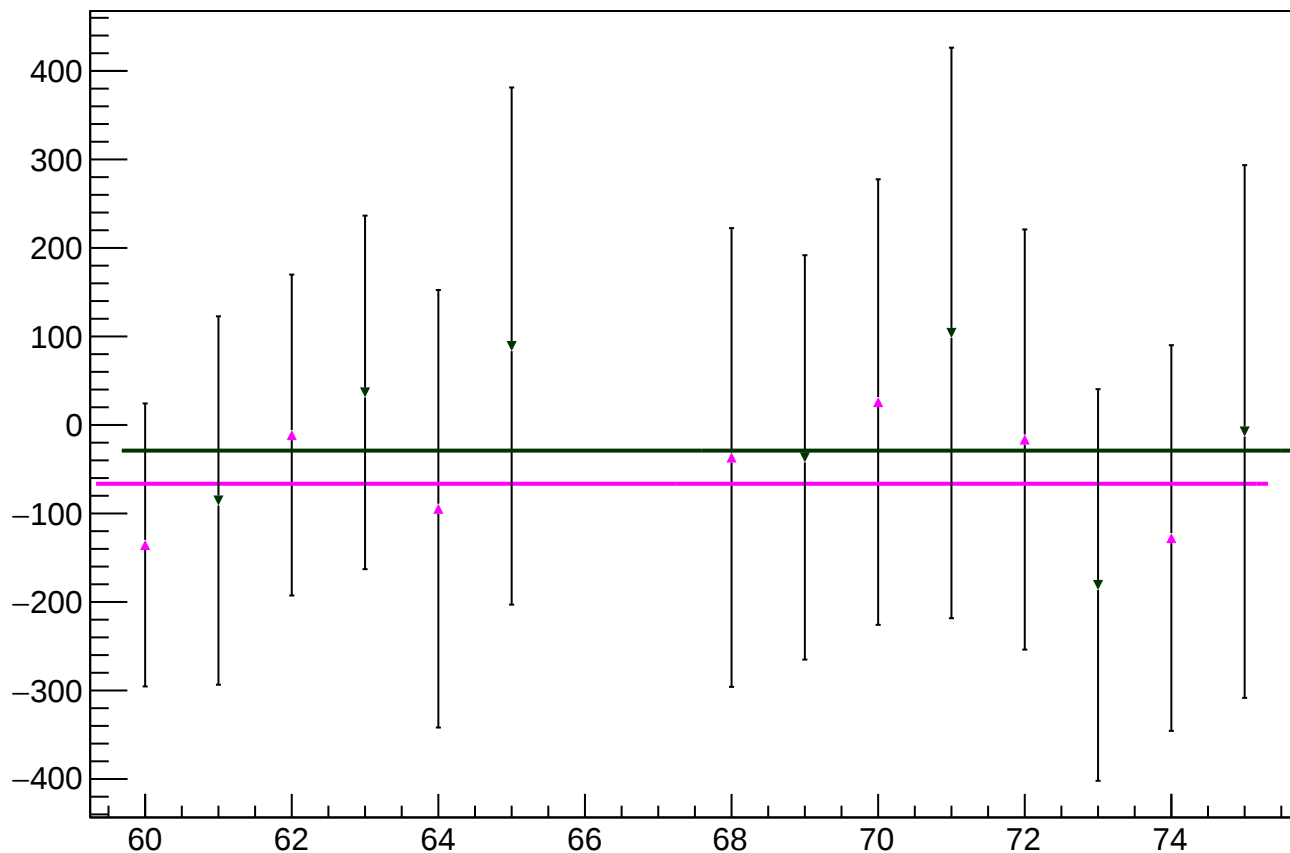
154.482+/-0.064  $\chi^2/\text{NDF}$ : 85429.1/6

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

141.144+/-0.056  $\chi^2/\text{NDF}$ : 161293.9/6

Left In: 141.144+/-0.056  $\chi^2/\text{NDF}$ : 161293.9/6

# asym\_bcm\_an\_ds3\_mean vs slug



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

Left Out: -28.971+/-91.239  $\chi^2/\text{NDF}$ : 1.0/6

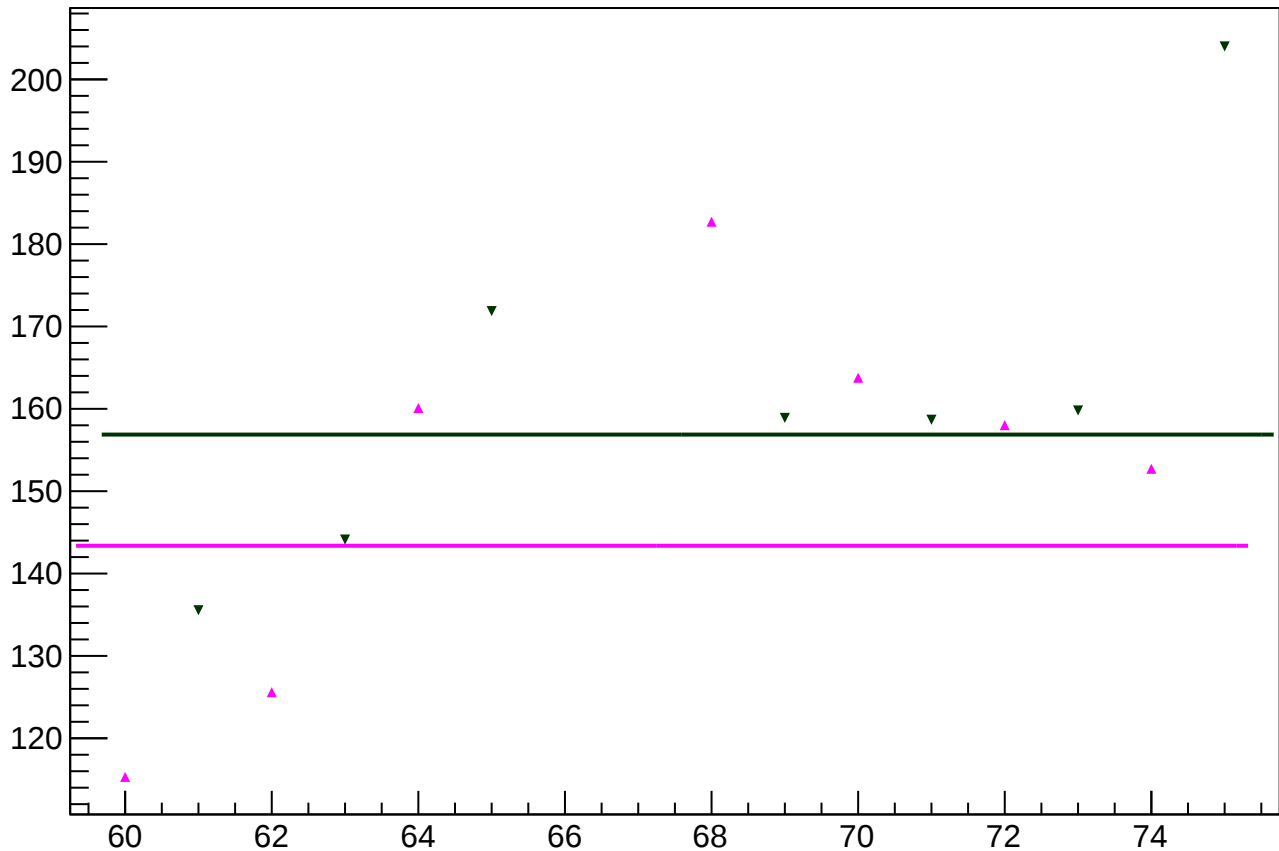
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -66.411+/-80.219  $\chi^2/\text{NDF}$ : 0.6/6

-28.971+/-91.239  $\chi^2/\text{NDF}$ : 1.0/6

-66.411+/-80.219  $\chi^2/\text{NDF}$ : 0.6/6

# asym\_bcm\_an\_ds3\_rms vs slug



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

Left Out: 156.874+/-0.065  $\chi^2/\text{NDF}$ : 84024.5/6

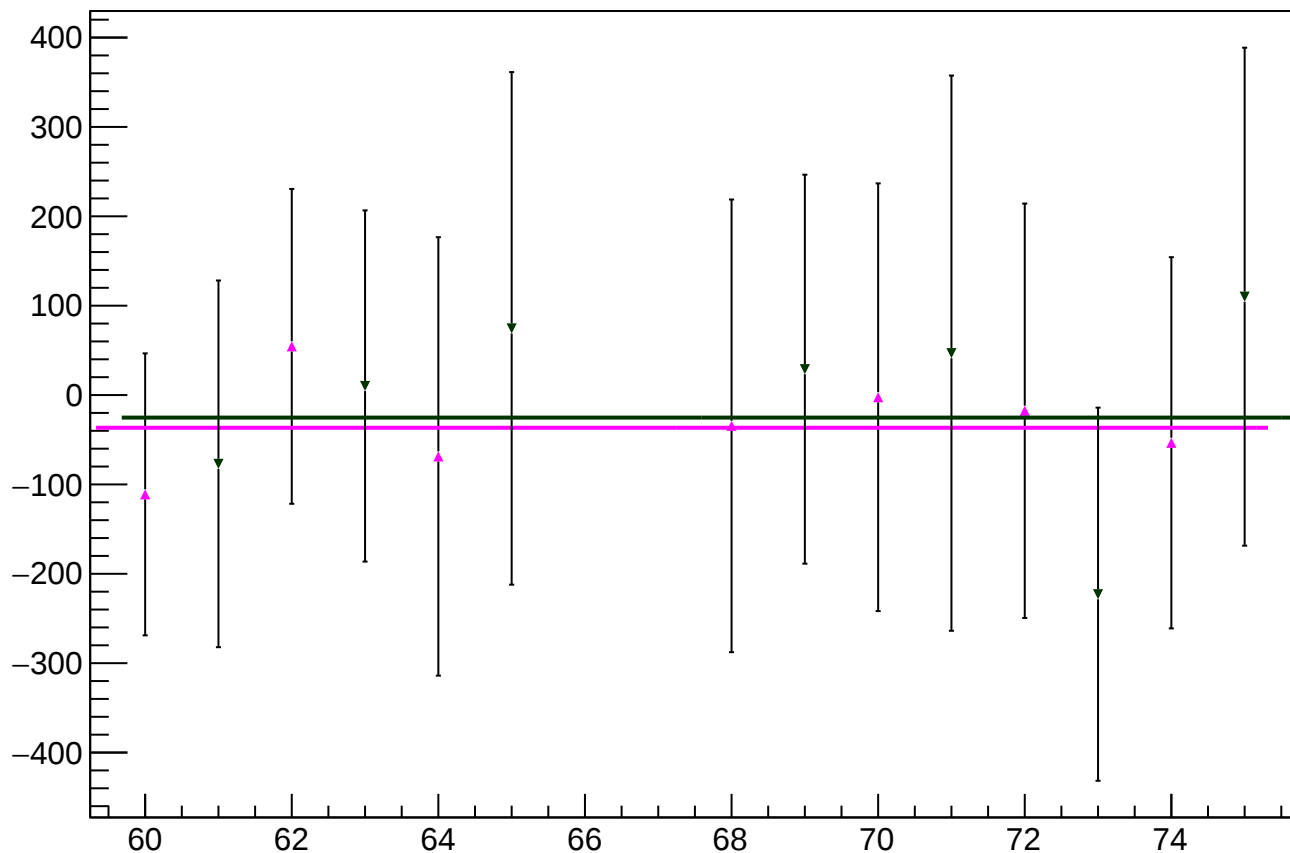
156.874+/-0.065  $\chi^2/\text{NDF}$ : 84024.5/6

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

143.374+/-0.057  $\chi^2/\text{NDF}$ : 160535.3/6

Left In: 143.374+/-0.057  $\chi^2/\text{NDF}$ : 160535.3/6

# asym\_bcm\_an\_us\_mean vs slug



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

Left Out: -25.226+/-87.998  $\chi^2/\text{NDF}$ : 1.5/6

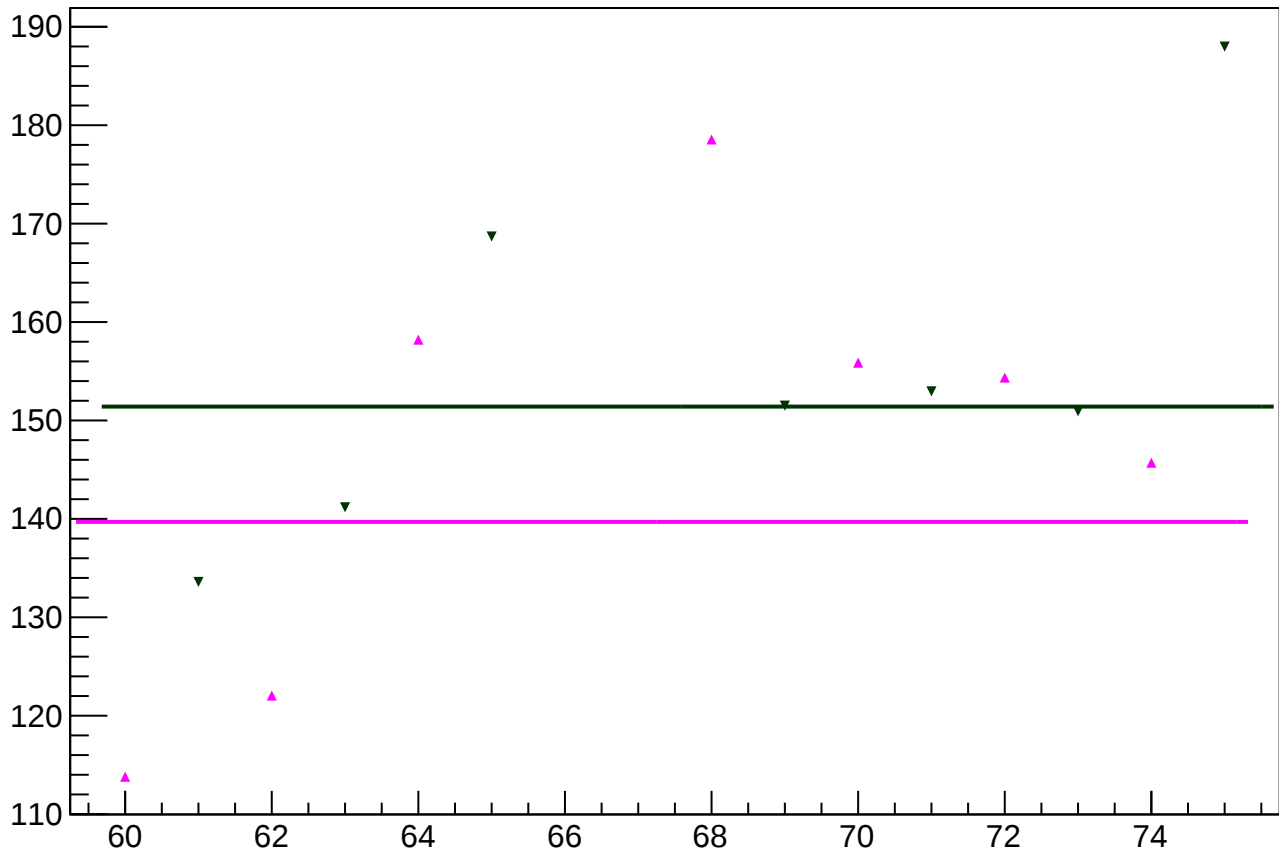
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -36.584+/-78.115  $\chi^2/\text{NDF}$ : 0.5/6

-25.226+/-87.998  $\chi^2/\text{NDF}$ : 1.5/6

-36.584+/-78.115  $\chi^2/\text{NDF}$ : 0.5/6

# asym\_bcm\_an\_us\_rms vs slug



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

Left Out: 151.410+/-0.062  $\chi^2/\text{NDF}$ : 62303.1/6

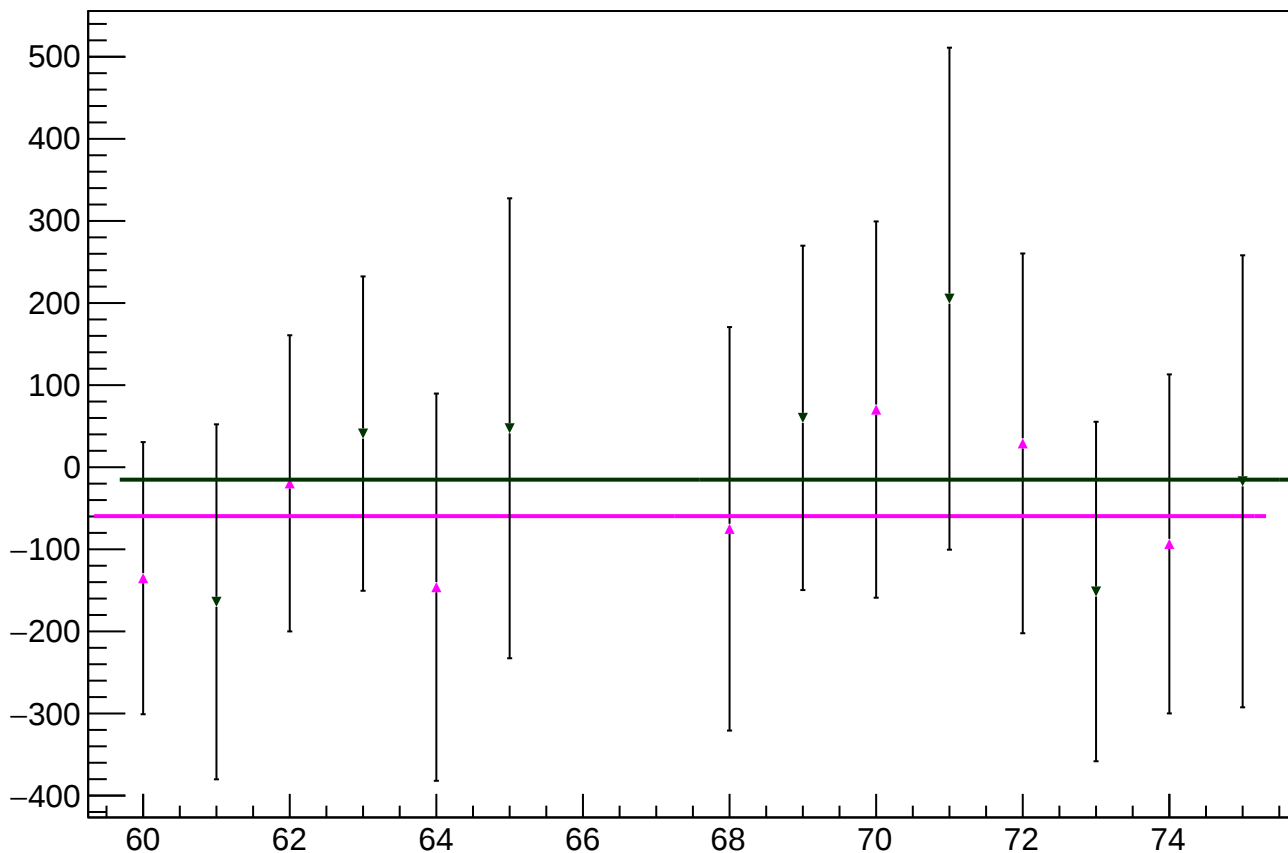
151.410+/-0.062  $\chi^2/\text{NDF}$ : 62303.1/6

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

139.692+/-0.055  $\chi^2/\text{NDF}$ : 151252.9/6

Left In: 139.692+/-0.055  $\chi^2/\text{NDF}$ : 151252.9/6

# asym\_bcm\_dg\_us\_mean vs slug



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

Left Out: -15.147 $\pm$ 87.233  $\chi^2$ /NDF: 1.7/6

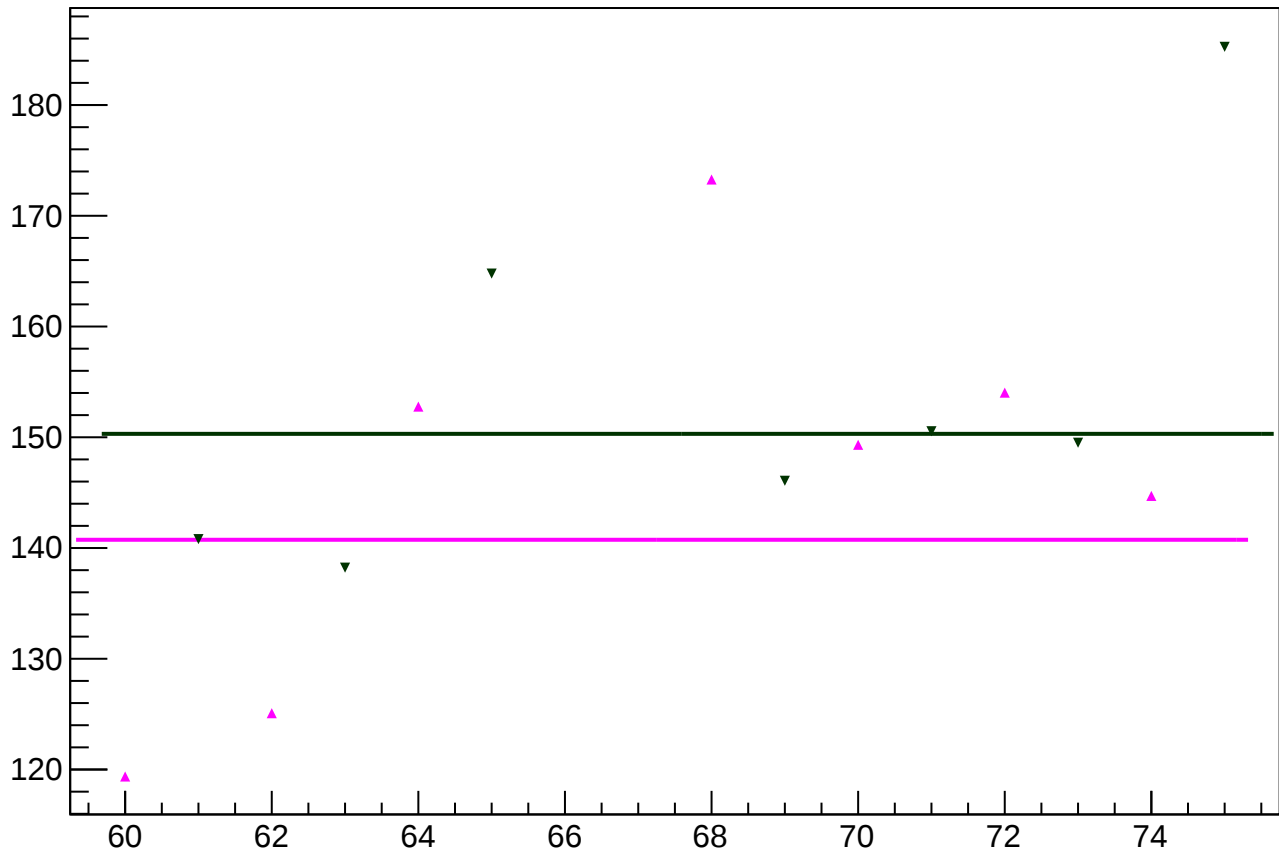
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -59.586 $\pm$ 78.362  $\chi^2$ /NDF: 0.9/6

-15.147 $\pm$ 87.233  $\chi^2$ /NDF: 1.7/6

-59.586 $\pm$ 78.362  $\chi^2$ /NDF: 0.9/6

# asym\_bcm\_dg\_us\_rms vs slug



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

Left Out: 150.309+/-0.062  $\chi^2/\text{NDF}$ : 50237.0/6

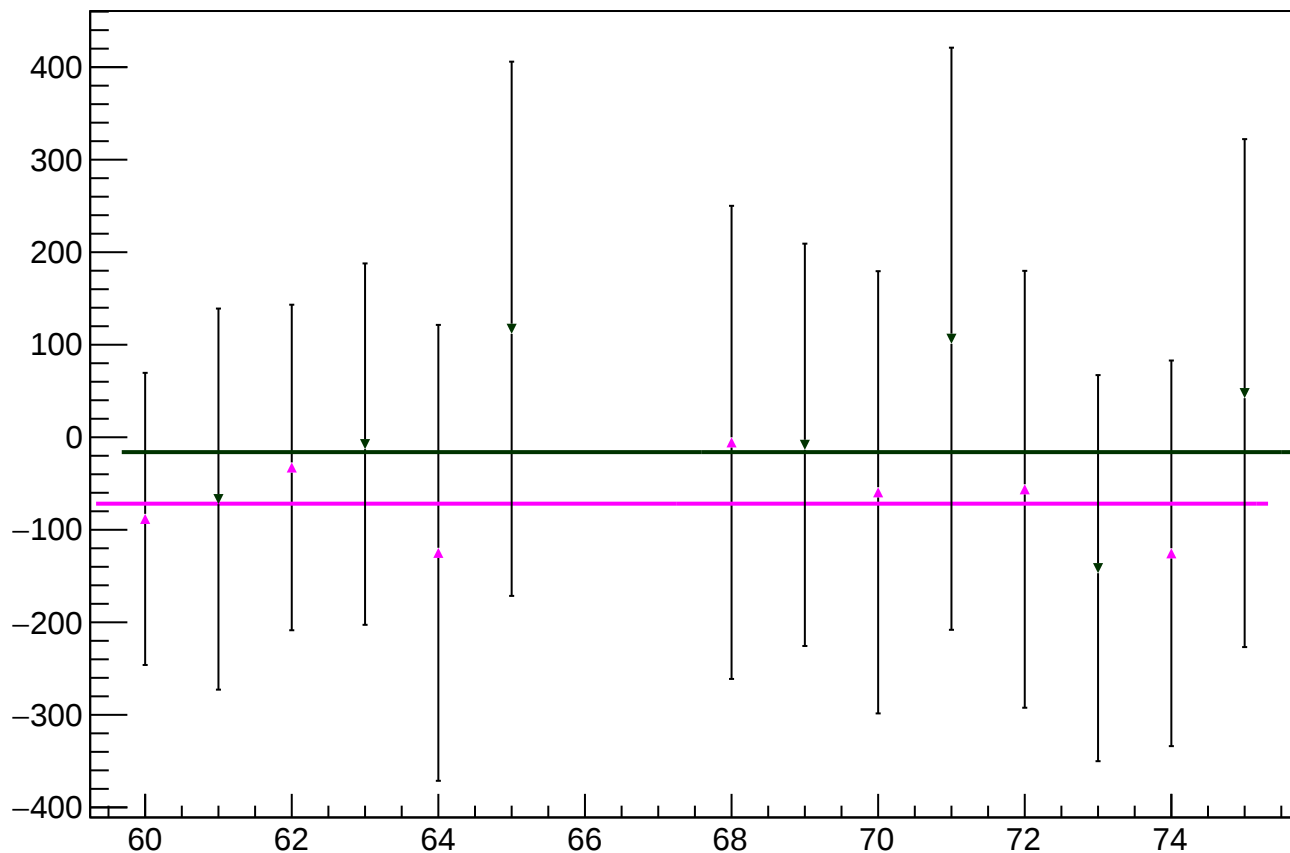
150.309+/-0.062  $\chi^2/\text{NDF}$ : 50237.0/6

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

140.744+/-0.055  $\chi^2/\text{NDF}$ : 98717.6/6

Left In: 140.744+/-0.055  $\chi^2/\text{NDF}$ : 98717.6/6

# asym\_bcm\_dg\_ds\_mean vs slug



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

Left Out: -16.058+/-87.942  $\chi^2/\text{NDF}$ : 0.8/6

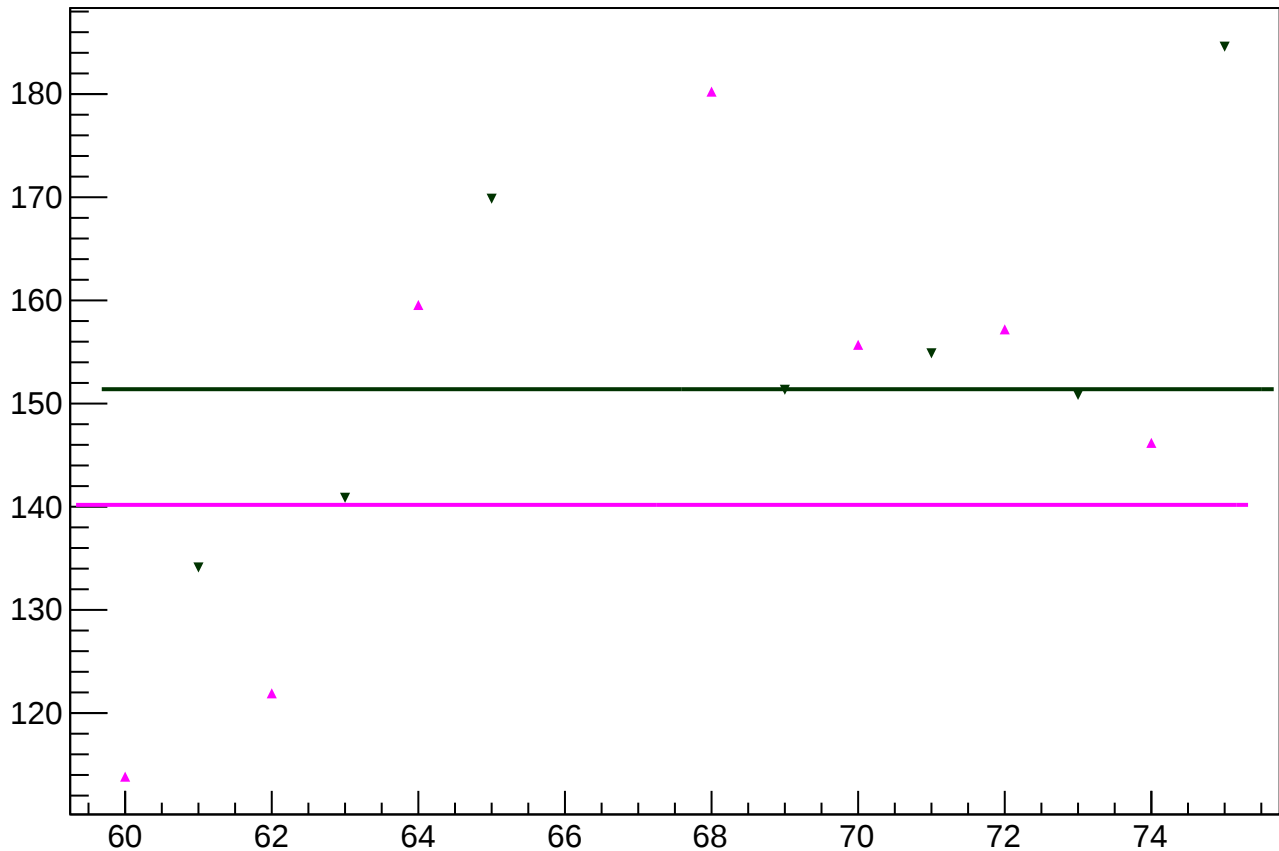
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -71.780+/-78.398  $\chi^2/\text{NDF}$ : 0.2/6

-16.058+/-87.942  $\chi^2/\text{NDF}$ : 0.8/6

-71.780+/-78.398  $\chi^2/\text{NDF}$ : 0.2/6

# asym\_bcm\_dg\_ds\_rms vs slug



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

Left Out: 151.393+/-0.062  $\chi^2/\text{NDF}$ : 57591.9/6

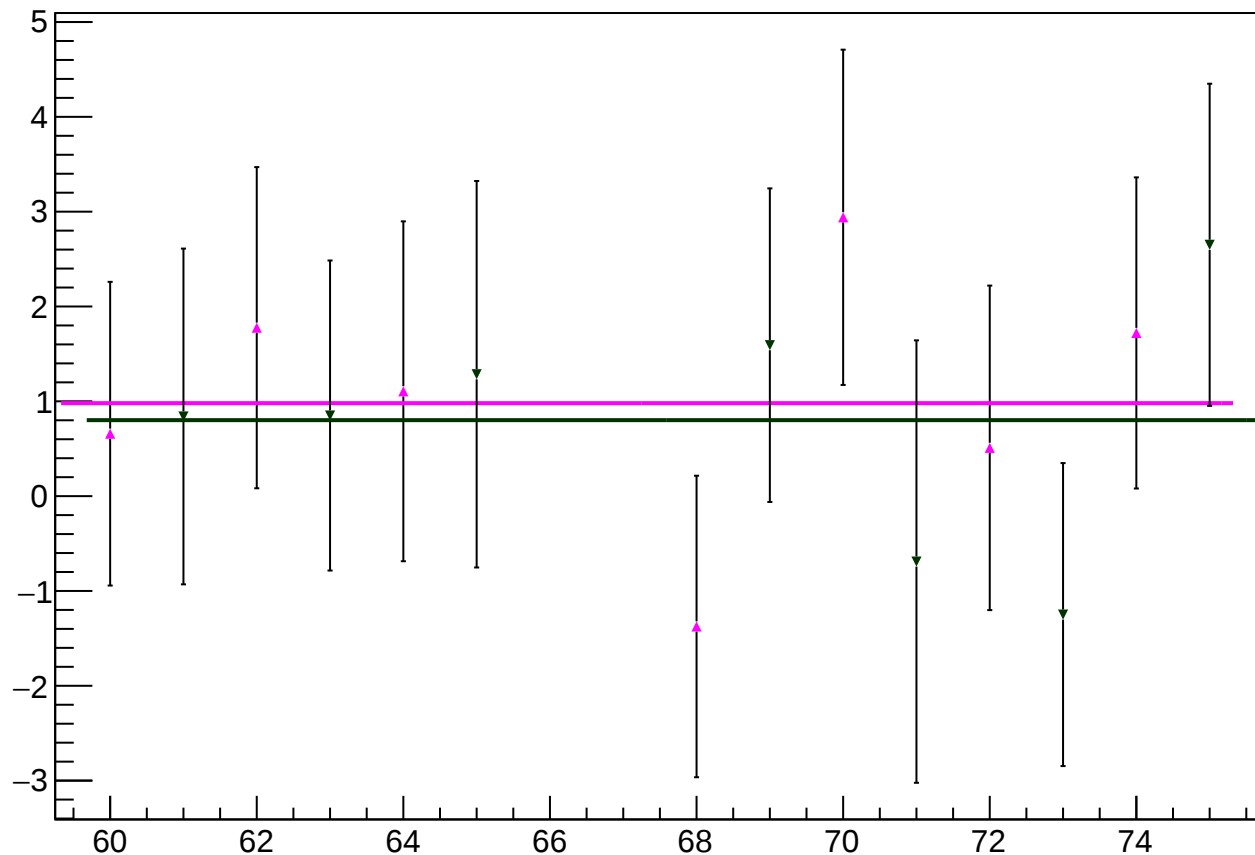
151.393+/-0.062  $\chi^2/\text{NDF}$ : 57591.9/6

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

140.181+/-0.055  $\chi^2/\text{NDF}$ : 159222.9/6

Left In: 140.181+/-0.055  $\chi^2/\text{NDF}$ : 159222.9/6

# asym\_cav4bQ\_mean vs slug



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

Left Out: 0.801 $\pm$ 0.671  $\chi^2$ /NDF: 3.5/6

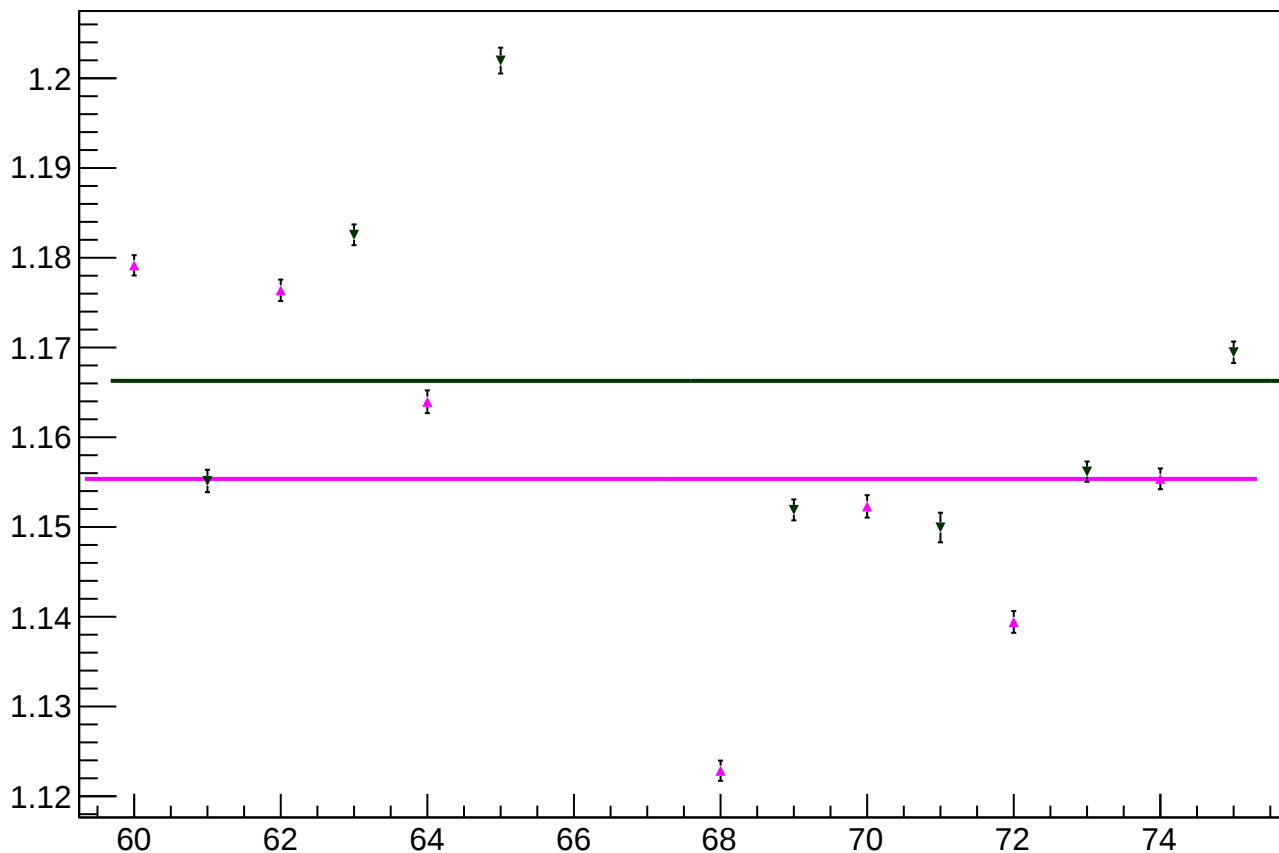
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.981 $\pm$ 0.635  $\chi^2$ /NDF: 4.0/6

0.801 $\pm$ 0.671  $\chi^2$ /NDF: 3.5/6

0.981 $\pm$ 0.635  $\chi^2$ /NDF: 4.0/6

# asym\_cav4bQ\_rms vs slug



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

Left Out: 1.166+/-0.000  $\chi^2/\text{NDF}$ :1227.3/6

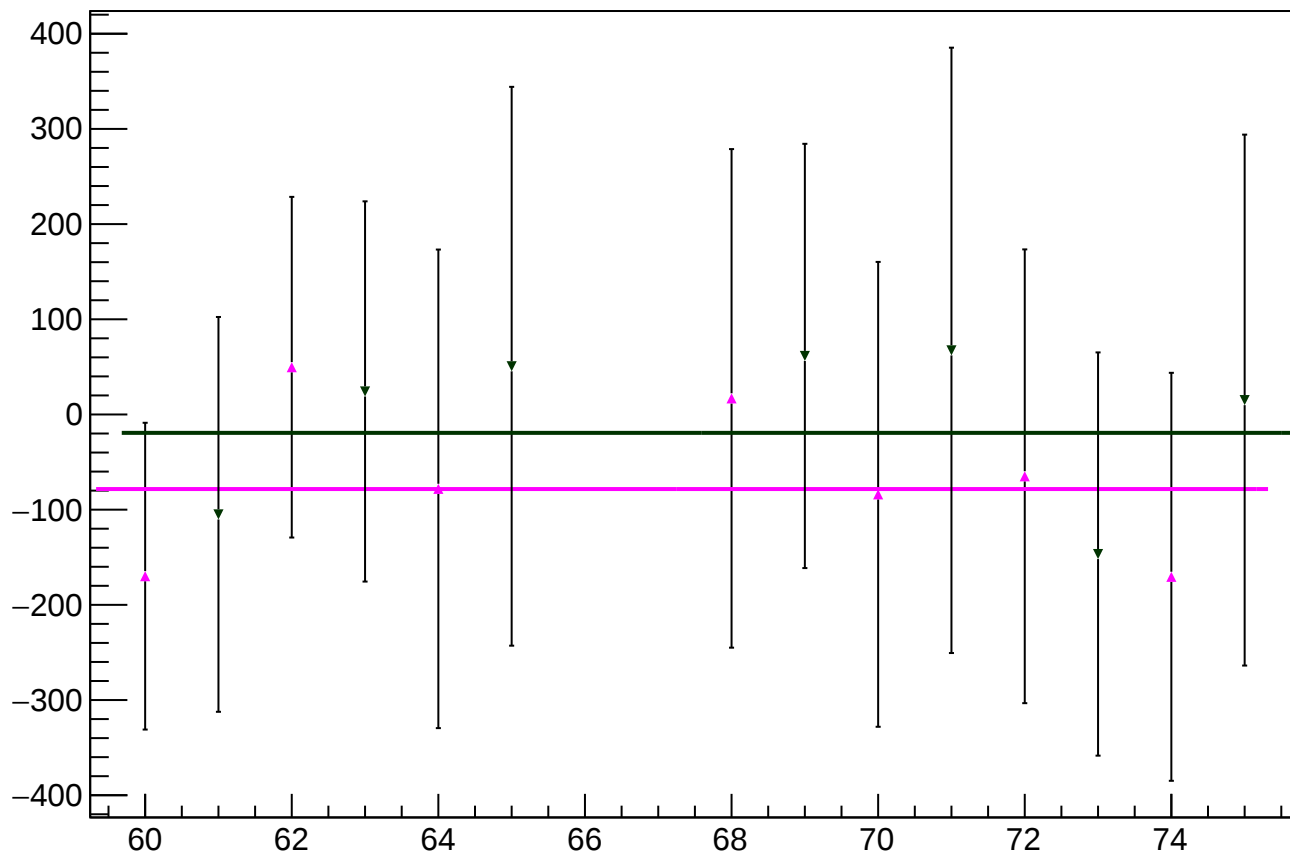
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.155+/-0.000  $\chi^2/\text{NDF}$ :1811.4/6

1.166+/-0.000  $\chi^2/\text{NDF}$ : 1227.3/6

1.155+/-0.000  $\chi^2/\text{NDF}$ : 1811.4/6

# asym\_cav4cQ\_mean vs slug



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

Left Out: -19.309+/-89.409  $\chi^2/\text{NDF}$ : 0.9/6

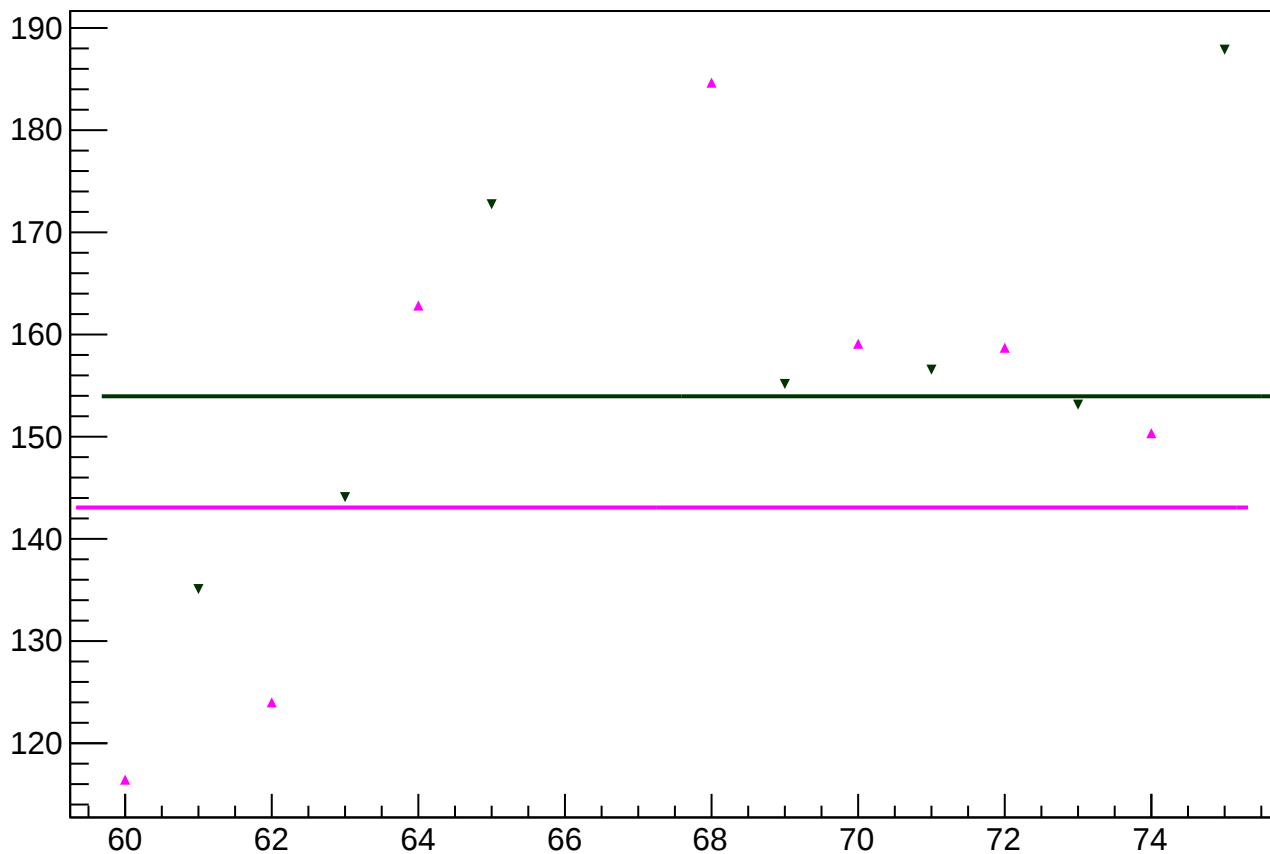
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -78.341+/-79.990  $\chi^2/\text{NDF}$ : 1.2/6

-19.309+/-89.409  $\chi^2/\text{NDF}$ : 0.9/6

-78.341+/-79.990  $\chi^2/\text{NDF}$ : 1.2/6

# asym\_cav4cQ\_rms vs slug



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

Left Out: 153.954+/-0.063  $\chi^2/\text{NDF}$ : 59449.5/6

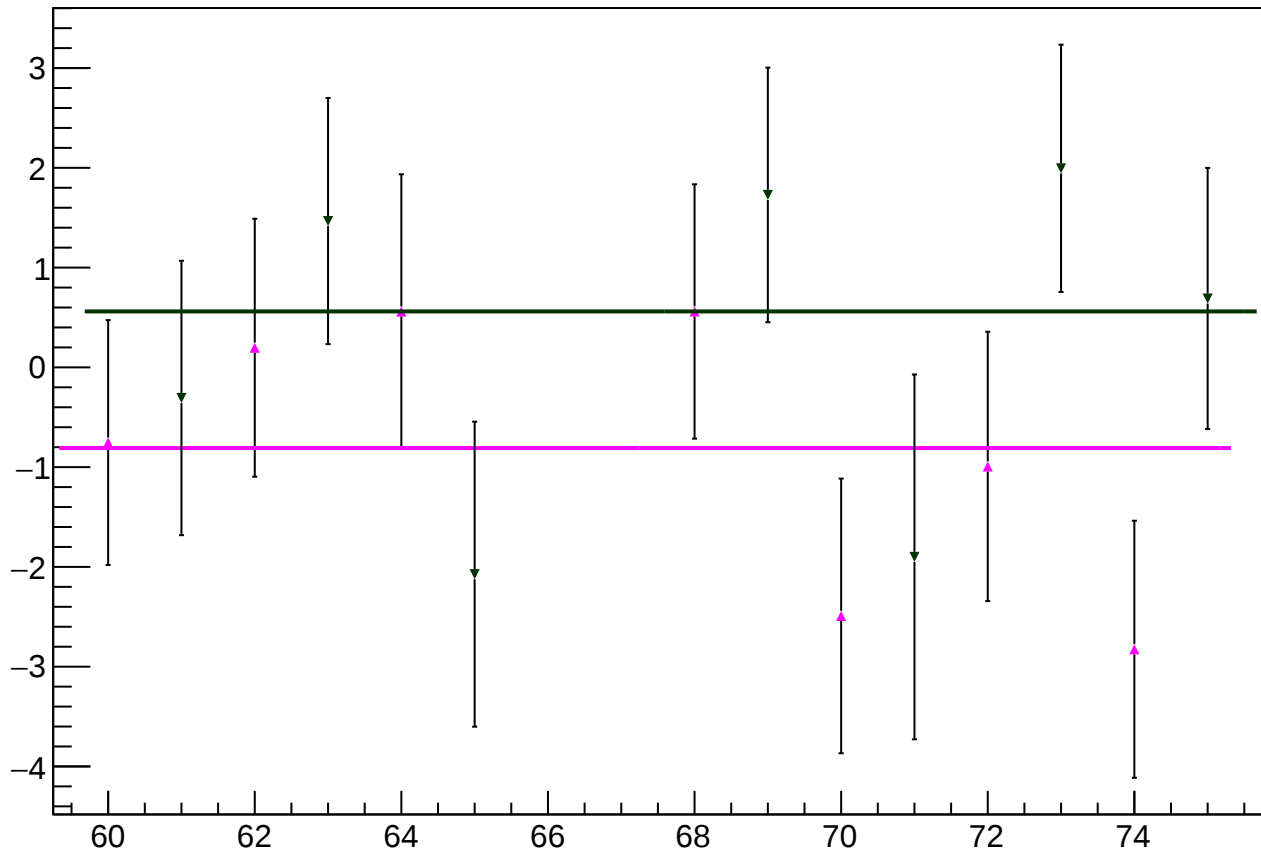
153.954+/-0.063  $\chi^2/\text{NDF}$ : 59449.5/6

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

143.072+/-0.057  $\chi^2/\text{NDF}$ : 159657.8/6

Left In: 143.072+/-0.057  $\chi^2/\text{NDF}$ : 159657.8/6

# asym\_cav4dQ\_mean vs slug



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

Left Out: 0.561+/-0.516  $\chi^2/\text{NDF}$ : 7.9/6

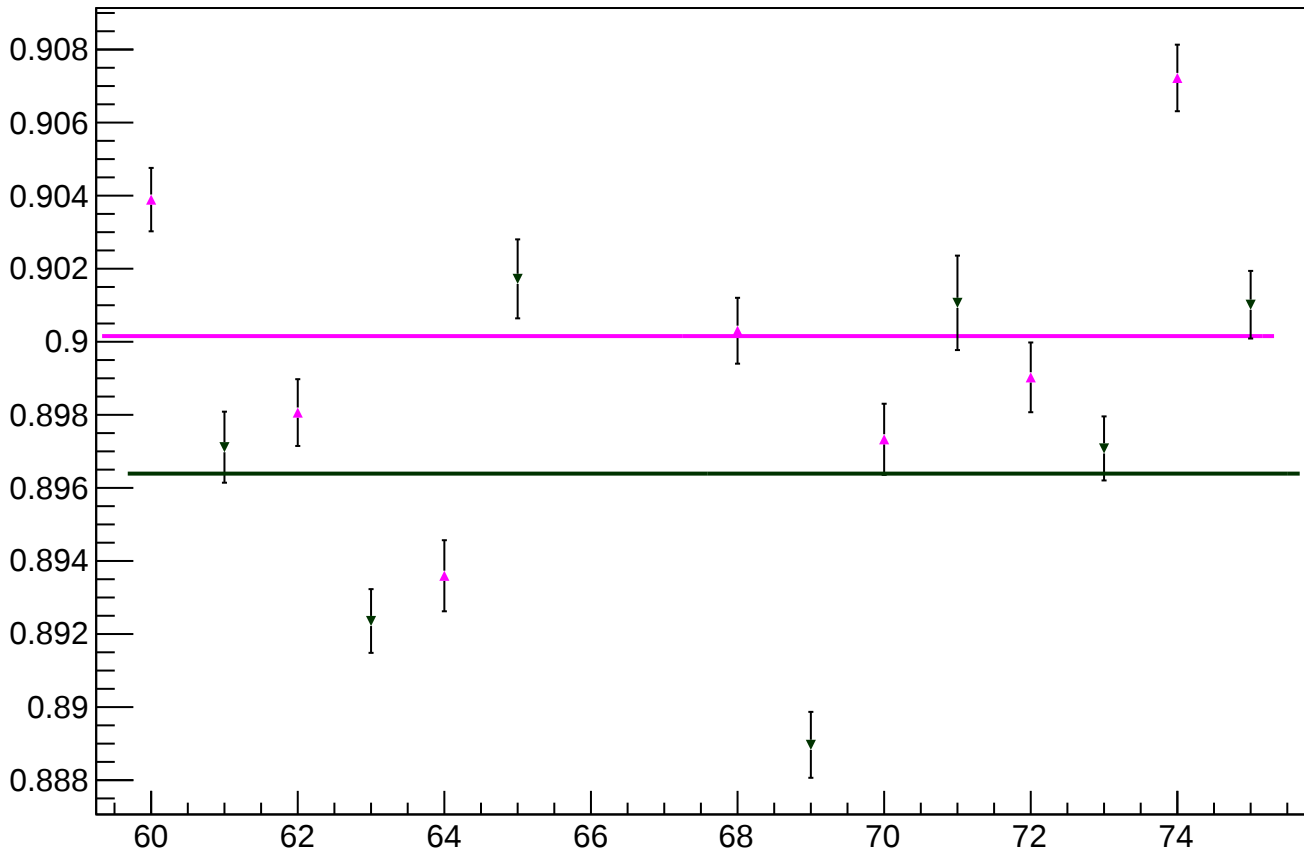
0.561+/-0.516  $\chi^2/\text{NDF}$ : 7.9/6

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

Left In: -0.809+/-0.495  $\chi^2/\text{NDF}$ : 6.7/6

-0.809+/-0.495  $\chi^2/\text{NDF}$ : 6.7/6

# asym\_cav4dQ\_rms vs slug



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

Left Out: 0.896+/-0.000  $\chi^2/\text{NDF}$ : 152.6/6

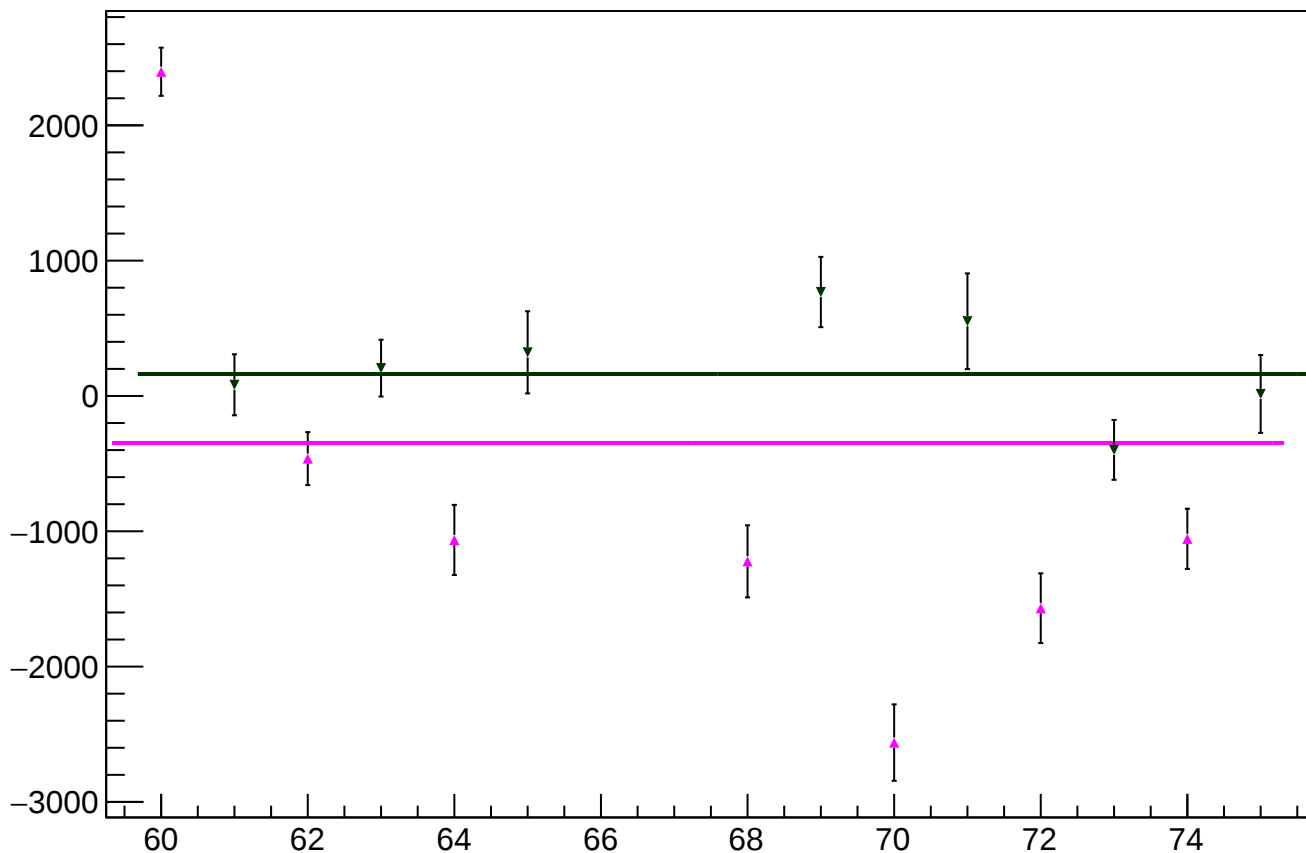
0.896+/-0.000  $\chi^2/\text{NDF}$ : 152.6/6

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

0.900+/-0.000  $\chi^2/\text{NDF}$ : 139.3/6

Left In: 0.900+/-0.000  $\chi^2/\text{NDF}$ : 139.3/6

# asym\_bcm0l02\_mean vs slug



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

Left Out: 162.213+/-95.961  $\chi^2/\text{NDF}$ :13.8/6

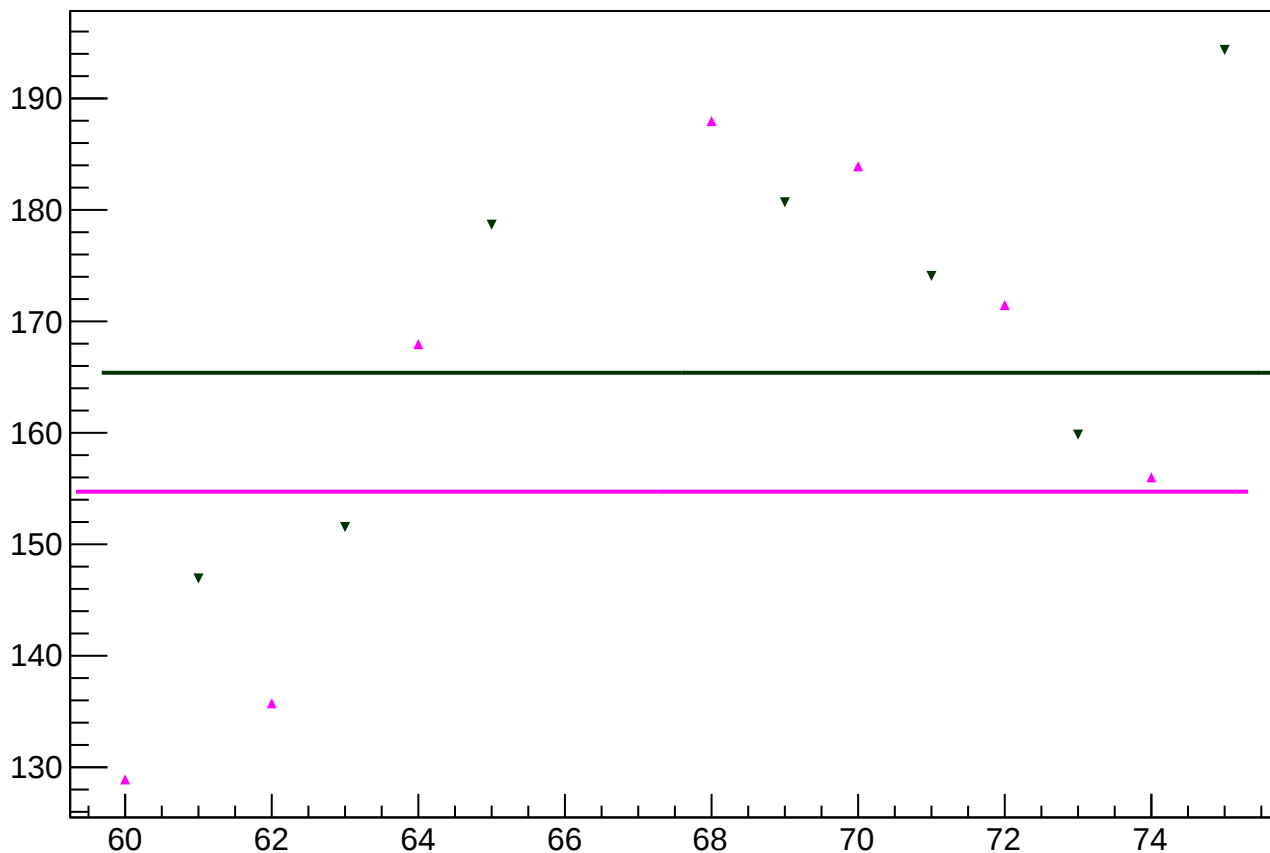
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -347.132+/-86.238  $\chi^2/\text{NDF}$ :350.2/6

162.213+/-95.961  $\chi^2/\text{NDF}$ : 13.8/6

-347.132+/-86.238  $\chi^2/\text{NDF}$ : 350.2/6

# asym\_bcm0l02\_rms vs slug



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

Left Out: 165.391+/-0.068  $\chi^2/\text{NDF}$ : 55604.6/6

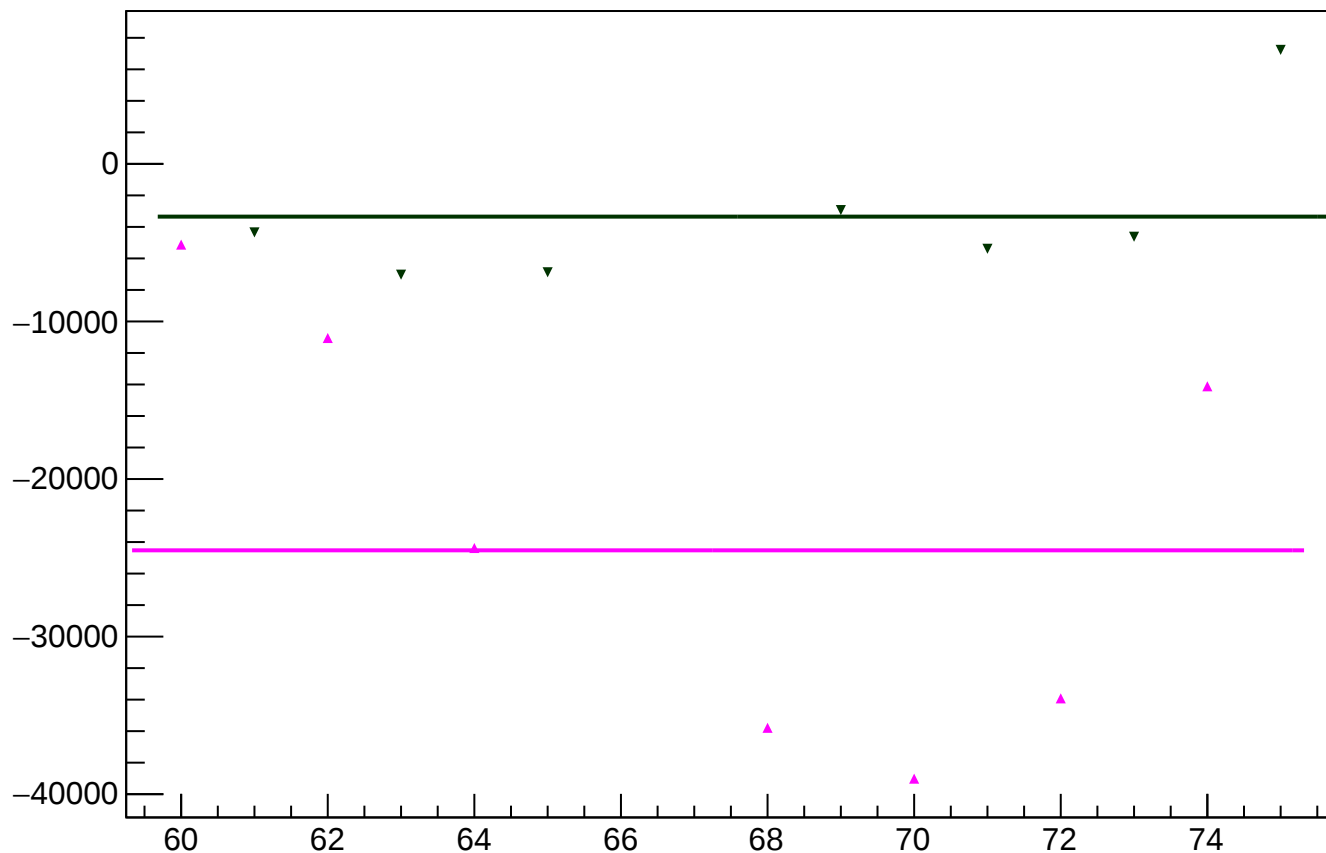
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 154.723+/-0.061  $\chi^2/\text{NDF}$ : 127079.3/6

165.391+/-0.068  $\chi^2/\text{NDF}$ : 55604.6/6

154.723+/-0.061  $\chi^2/\text{NDF}$ : 127079.3/6

# asym\_bpm2i01WS\_mean vs slug



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

Left Out: -3346.823+/-52.922  $\chi^2/\text{NDF}$ : 7319.0/6

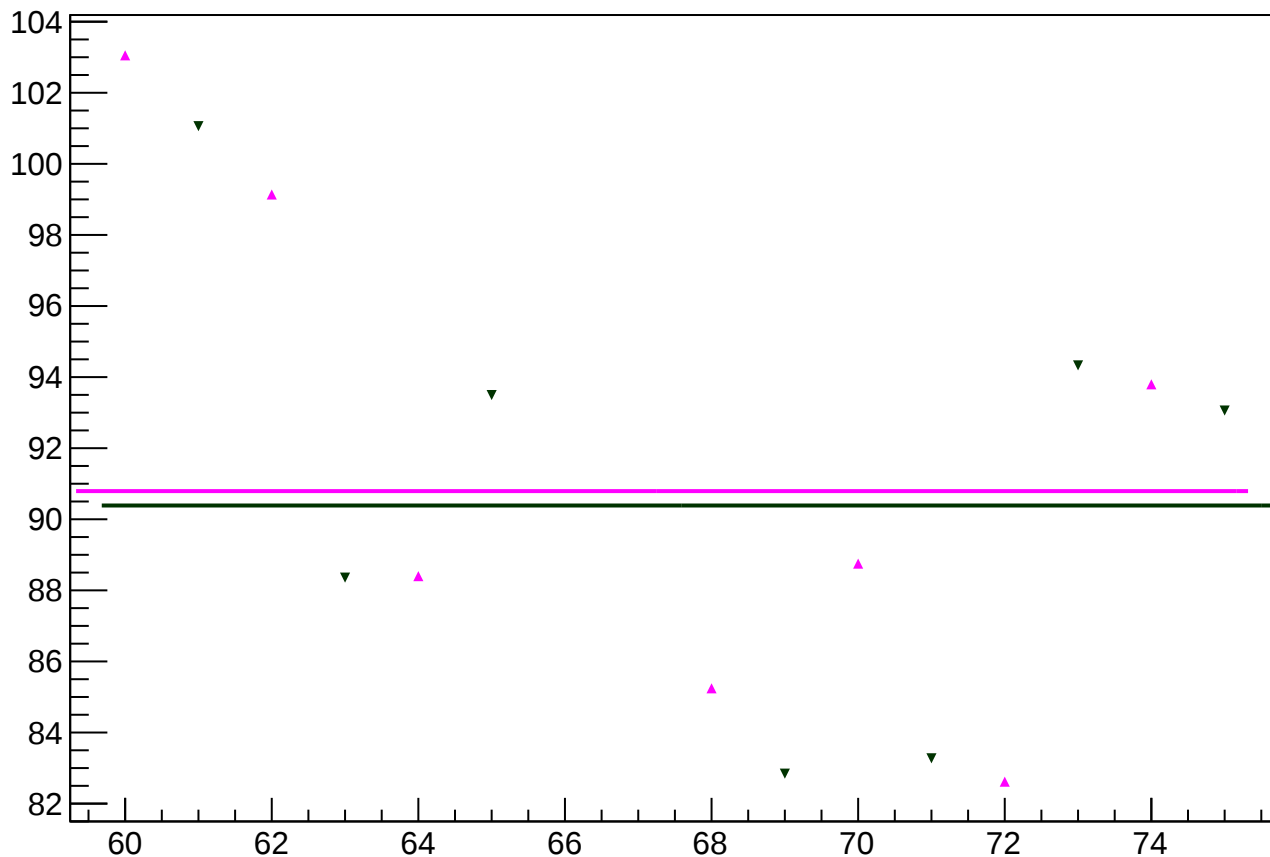
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -24524.861+/-50.619  $\chi^2/\text{NDF}$ : 58002.8/6

-3346.823+/-52.922  $\chi^2/\text{NDF}$ : 7319.0/6

-24524.861+/-50.619  $\chi^2/\text{NDF}$ : 58002.8/6

# asym\_bpm2i01WS\_rms vs slug



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

Left Out: 90.387+/-0.037  $\chi^2/\text{NDF}$ : 24253.0/6

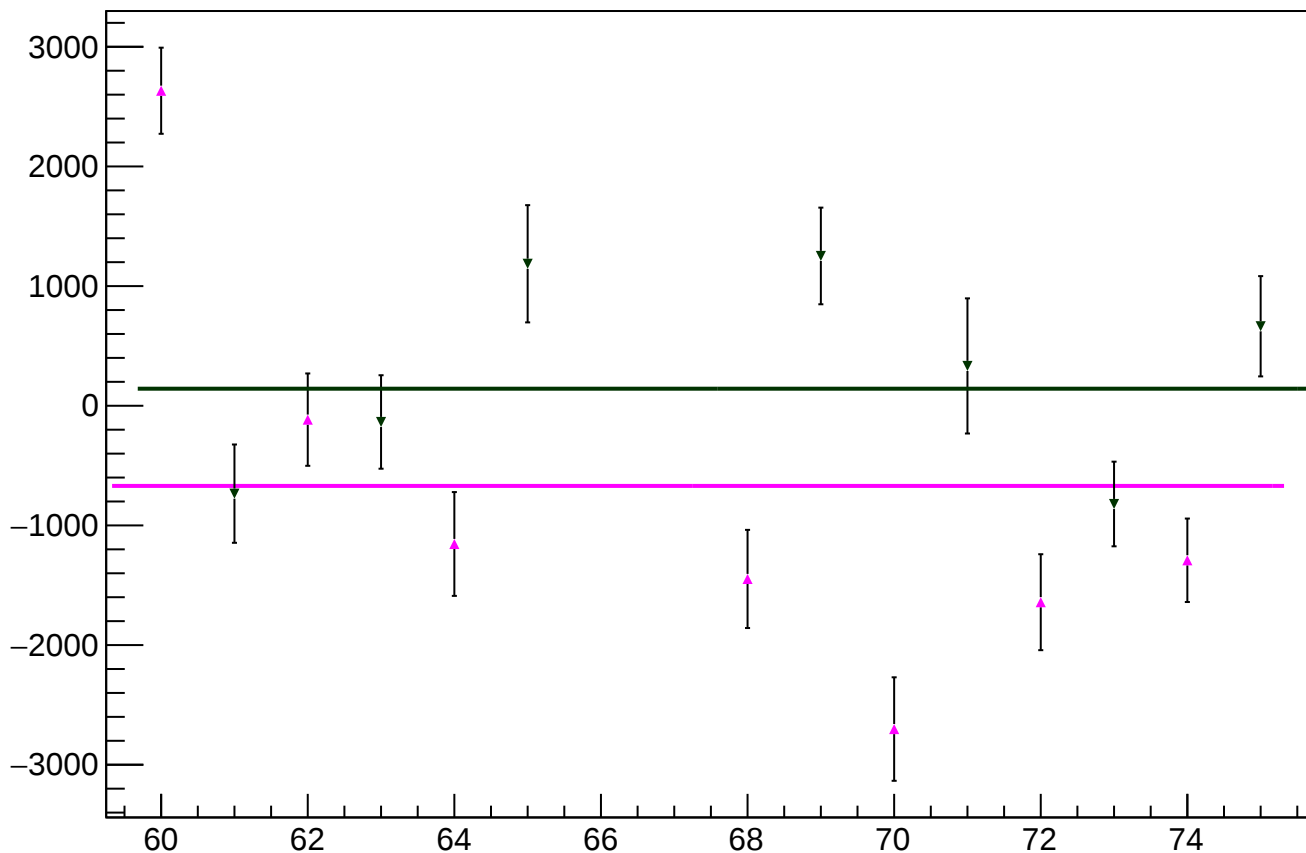
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 90.792+/-0.036  $\chi^2/\text{NDF}$ : 35692.1/6

90.387+/-0.037  $\chi^2/\text{NDF}$ : 24253.0/6

90.792+/-0.036  $\chi^2/\text{NDF}$ : 35692.1/6

# asym\_bpm0i07WS\_mean vs slug



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

Left Out: 142.590+/-158.910  $\chi^2/\text{NDF}$ : 26.2/6

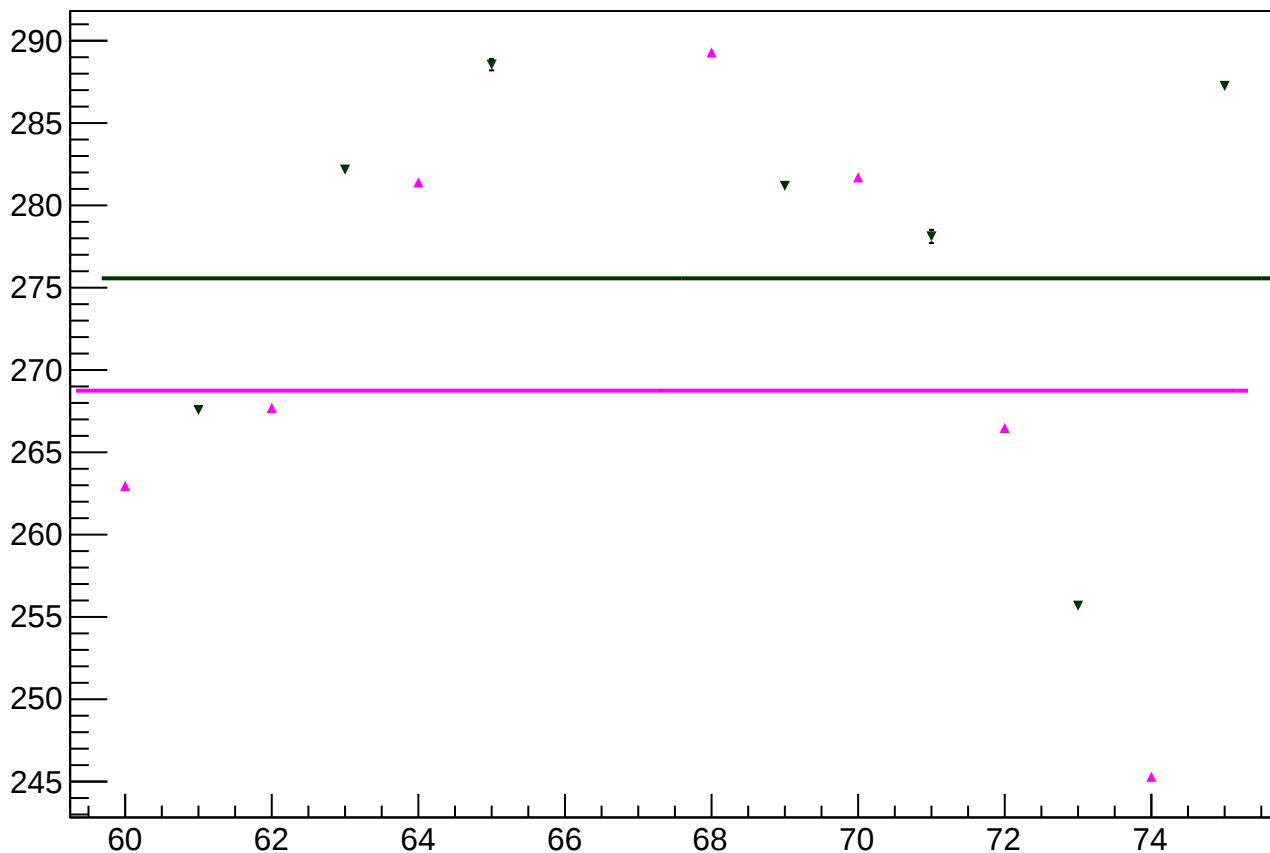
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -669.848+/-148.278  $\chi^2/\text{NDF}$ : 122.3/6

142.590+/-158.910  $\chi^2/\text{NDF}$ : 26.2/6

-669.848+/-148.278  $\chi^2/\text{NDF}$ : 122.3/6

# asym\_bpm0i07WS\_rms vs slug



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

Left Out: 275.569+/-0.112  $\chi^2/\text{NDF}$ : 11039.3/6

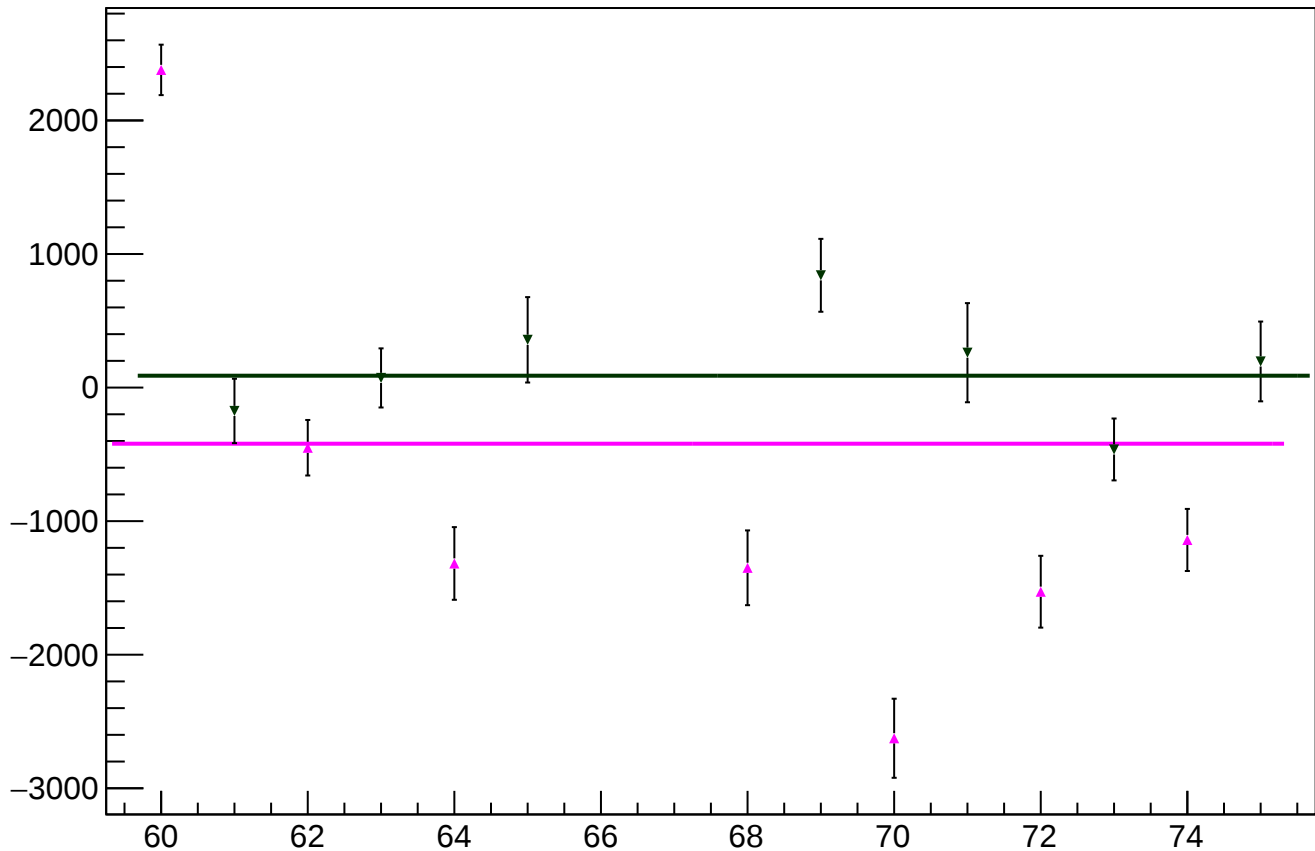
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 268.747+/-0.105  $\chi^2/\text{NDF}$ : 18151.2/6

275.569+/-0.112  $\chi^2/\text{NDF}$ : 11039.3/6

268.747+/-0.105  $\chi^2/\text{NDF}$ : 18151.2/6

# asym\_bpm0l01WS\_mean vs slug



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

Left Out: 88.891+/-101.052  $\chi^2/\text{NDF}$ :15.5/6

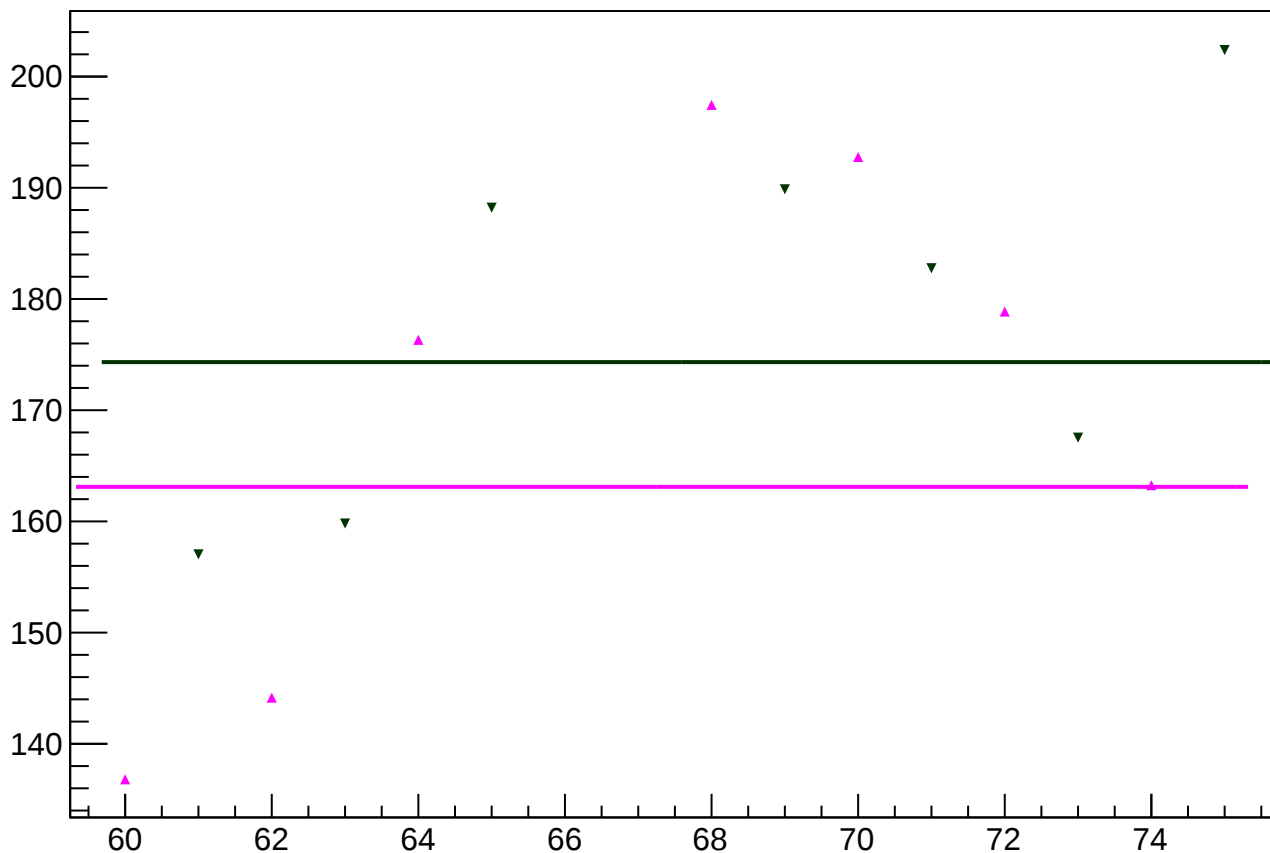
88.891+/-101.052  $\chi^2/\text{NDF}$ : 15.5/6

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

-420.311+/-90.832  $\chi^2/\text{NDF}$ : 323.7/6

Left In: -420.311+/-90.832  $\chi^2/\text{NDF}$ :323.7/6

# asym\_bpm0l01WS\_rms vs slug



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

Left Out: 174.325+/-0.071  $\chi^2/\text{NDF}$ : 49550.2/6

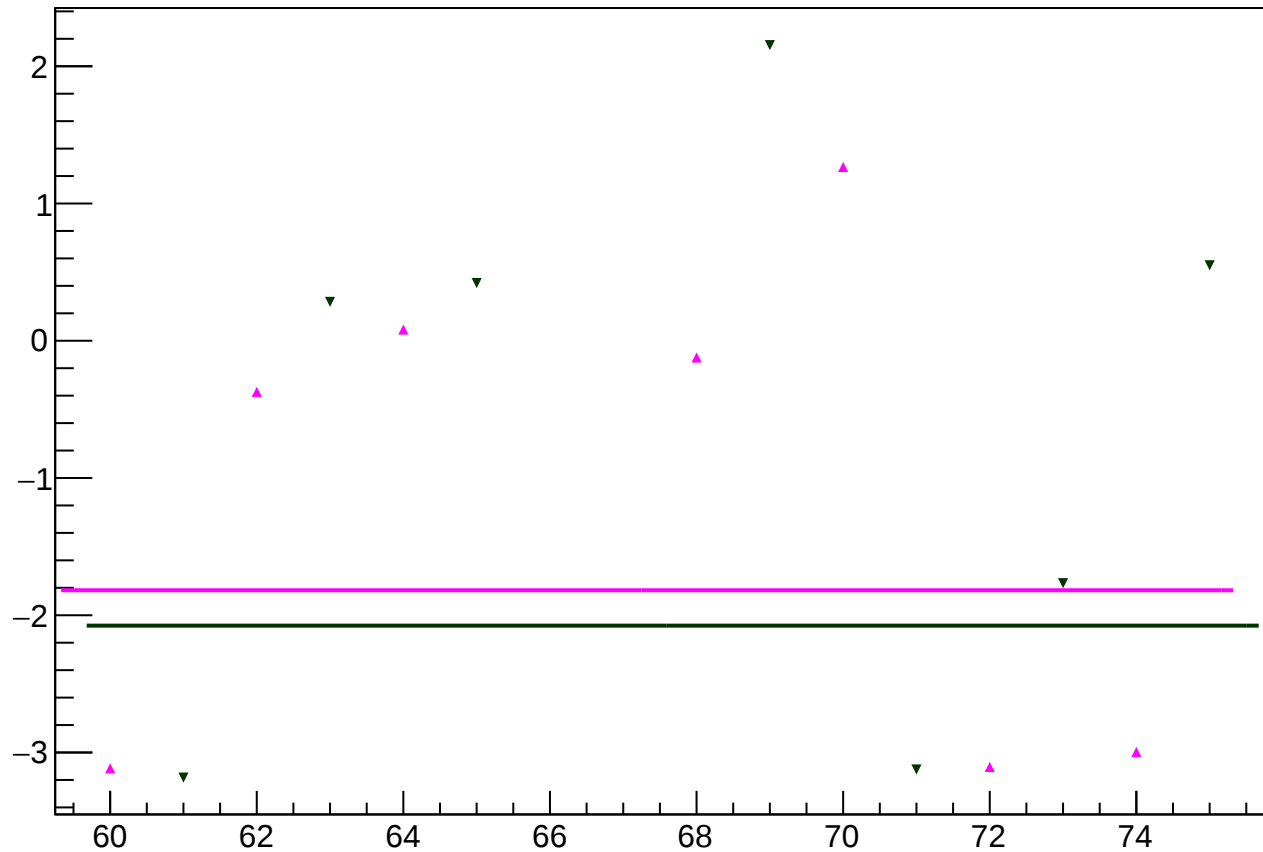
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 163.108+/-0.064  $\chi^2/\text{NDF}$ : 117213.2/6

174.325+/-0.071  $\chi^2/\text{NDF}$ : 49550.2/6

163.108+/-0.064  $\chi^2/\text{NDF}$ : 117213.2/6

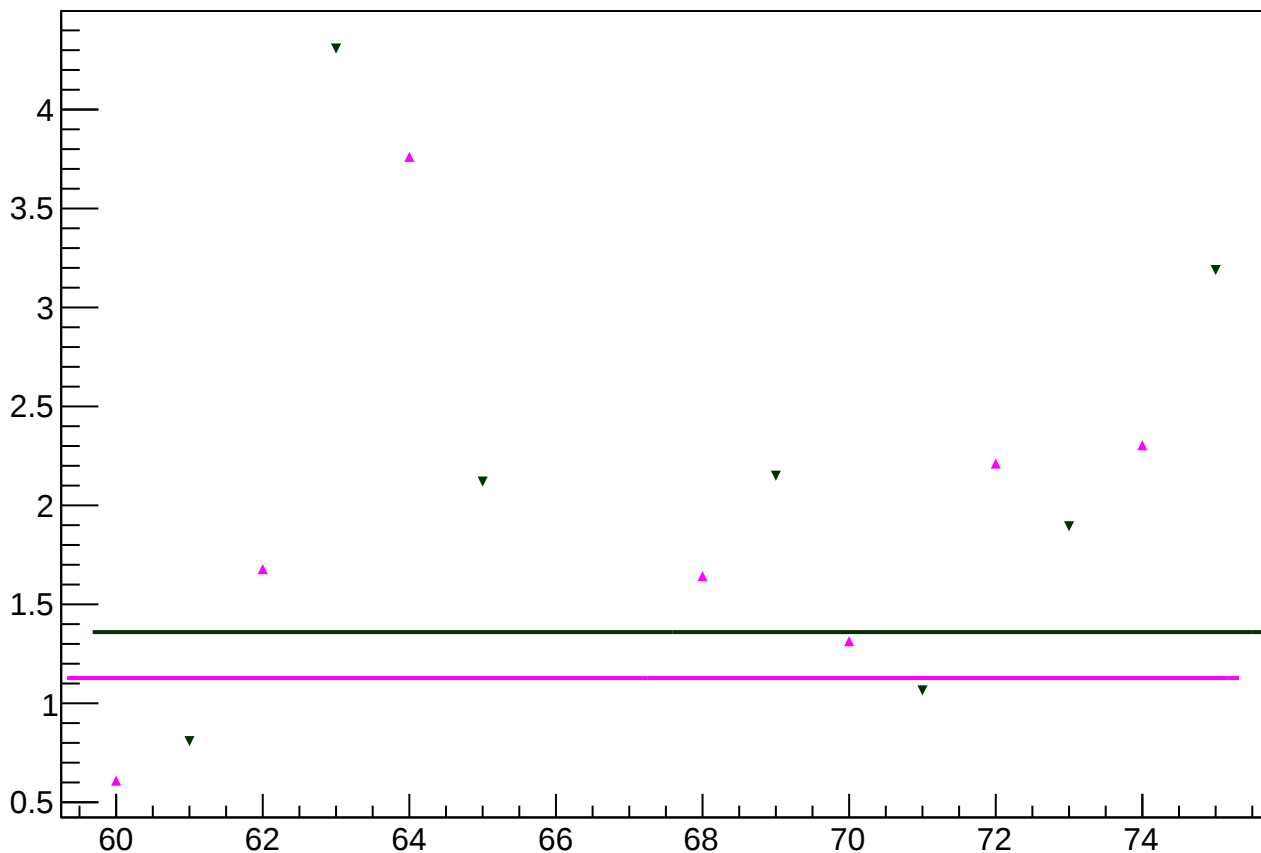
# yield\_cav4bX\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: -2.076+/-0.001  $\chi^2/\text{NDF}$ : 3254943.2/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: -1.818+/-0.001  $\chi^2/\text{NDF}$ : 4756146.0/6

-2.076+/-0.001  $\chi^2/\text{NDF}$ : 3254943.2/6  
 -1.818+/-0.001  $\chi^2/\text{NDF}$ : 4756146.0/6

# yield\_cav4bX\_rms vs slug



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

Left Out: 1.360+/-0.001  $\chi^2/\text{NDF}$ :1400449.4/6

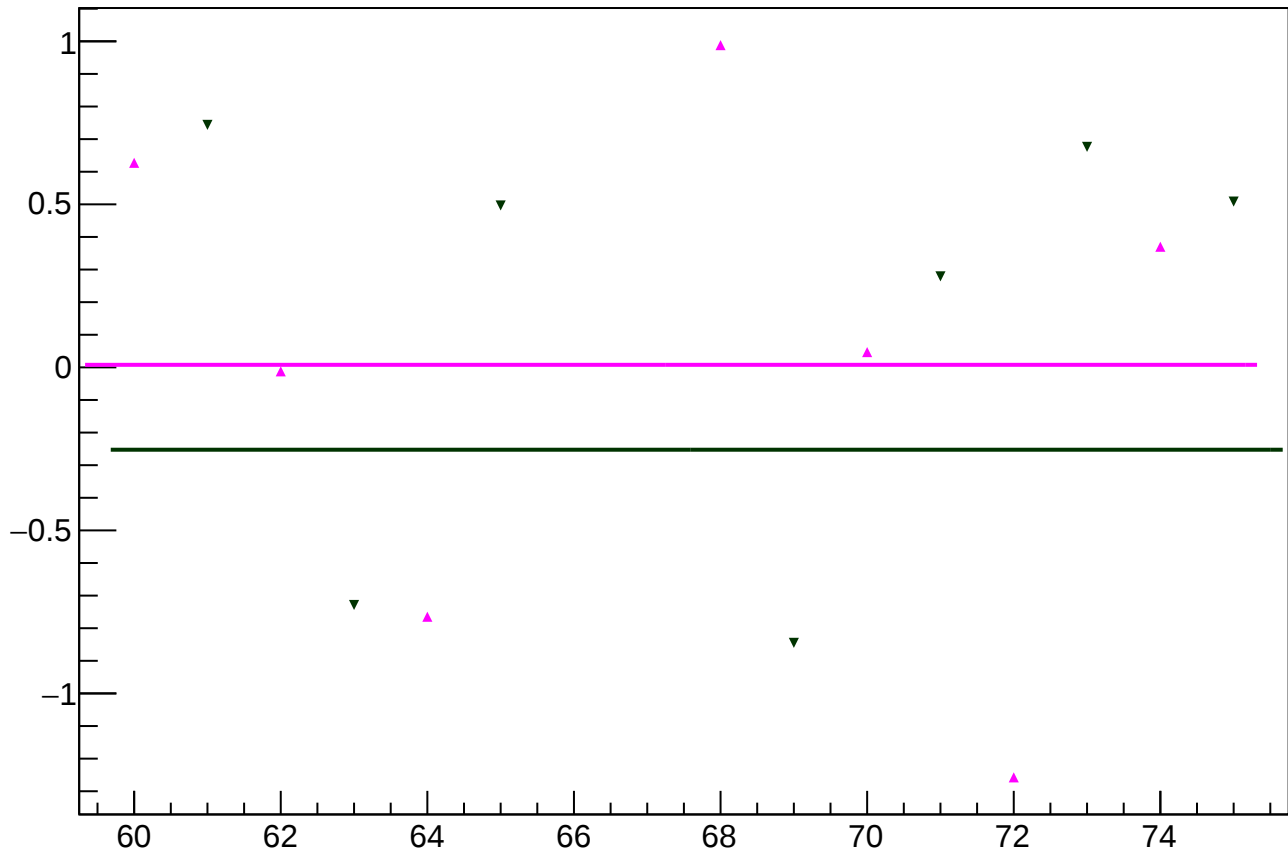
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.128+/-0.001  $\chi^2/\text{NDF}$ :1393652.7/6

1.360+/-0.001  $\chi^2/\text{NDF}$ : 1400449.4/6

1.128+/-0.001  $\chi^2/\text{NDF}$ : 1393652.7/6

# yield\_cav4bY\_mean vs slug



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

Left Out: -0.253+/-0.000  $\chi^2/\text{NDF}$ : 2652026.8/6

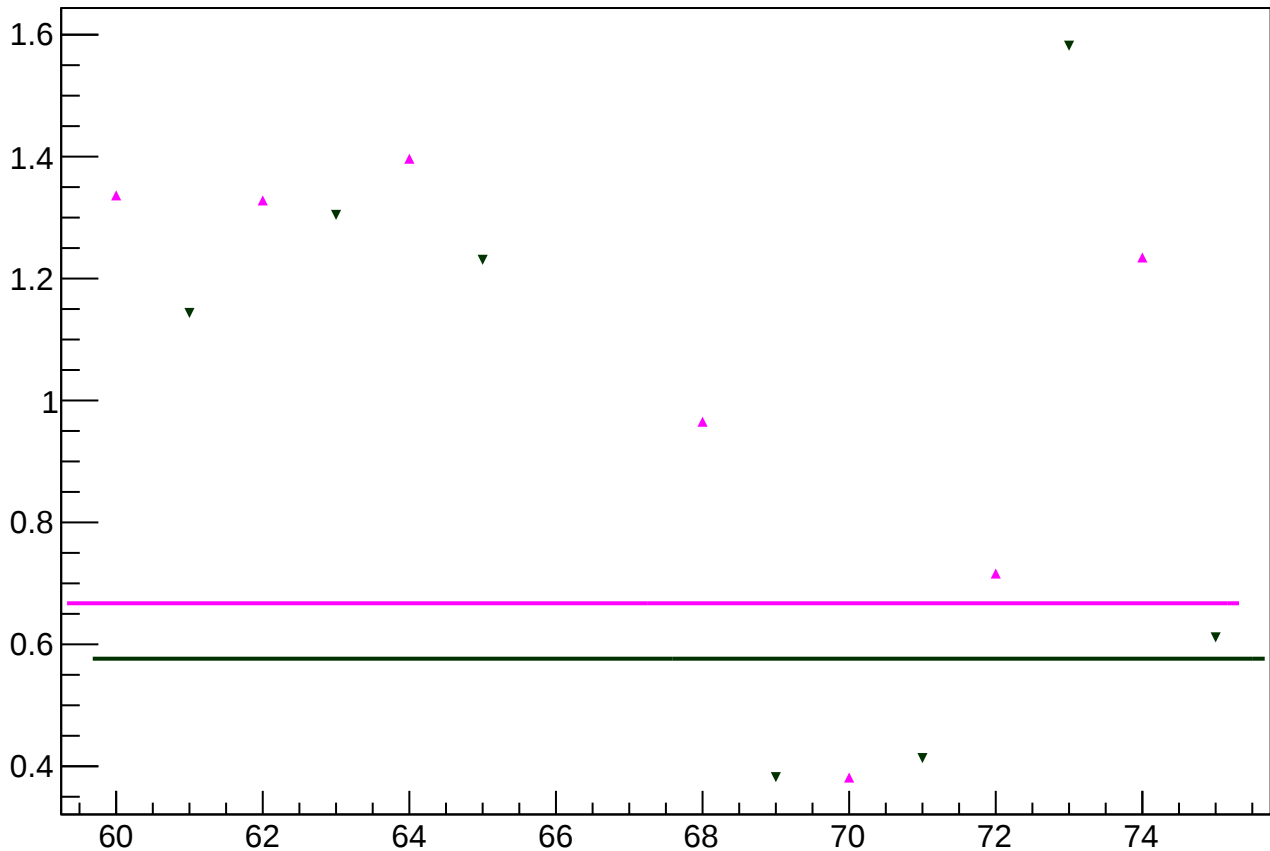
-0.253+/-0.000  $\chi^2/\text{NDF}$ : 2652026.8/6

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

0.008+/-0.000  $\chi^2/\text{NDF}$ : 1590589.7/6

Left In: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 1590589.7/6

# yield\_cav4bY\_rms vs slug



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

Left Out: 0.576+/-0.000  $\chi^2/\text{NDF}$ :1304271.1/6

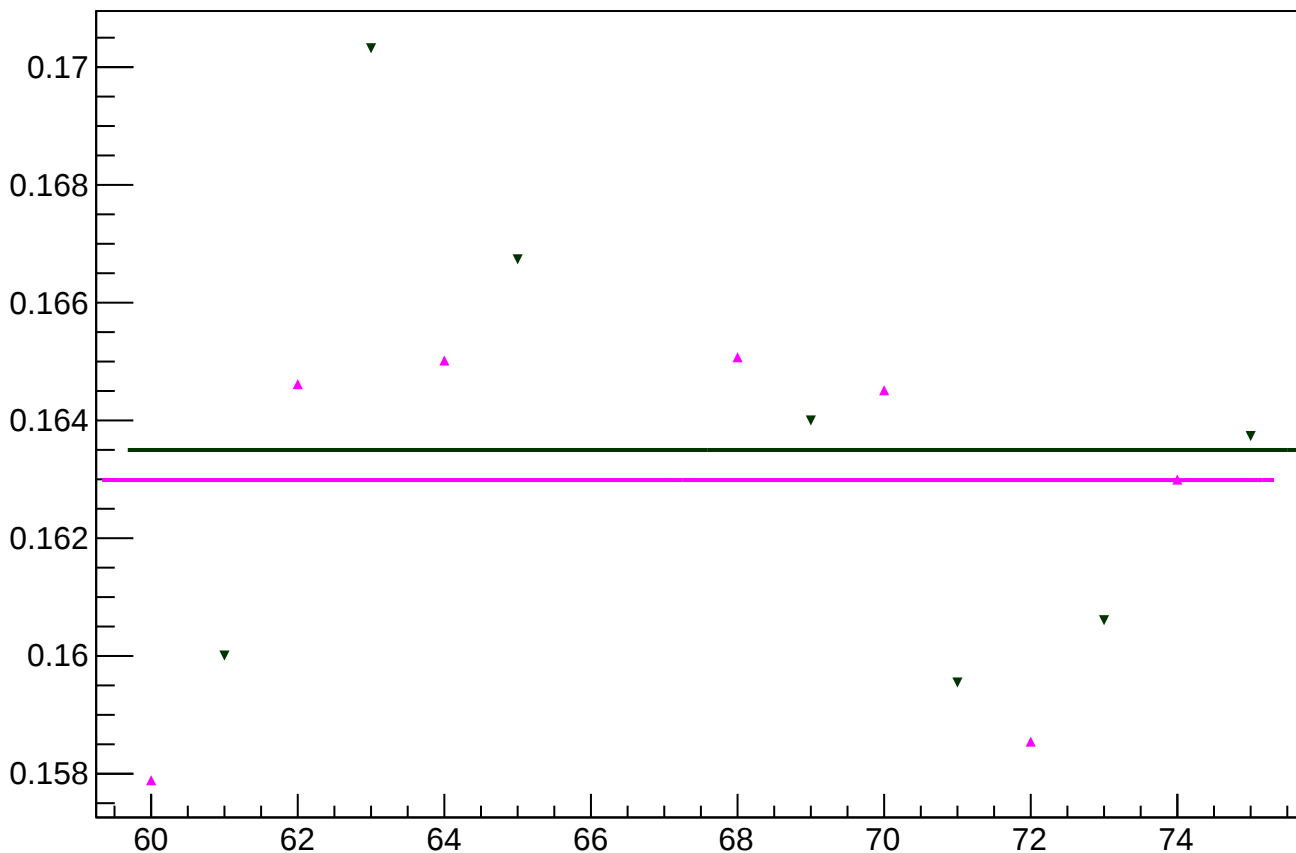
0.576+/-0.000  $\chi^2/\text{NDF}$ : 1304271.1/6

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

0.667+/-0.000  $\chi^2/\text{NDF}$ : 1400016.7/6

Left In: 0.667+/-0.000  $\chi^2/\text{NDF}$ :1400016.7/6

# yield\_cav4cX\_mean vs slug



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

Left Out: 0.163+/-0.000  $\chi^2/\text{NDF}$ : 954836.0/6

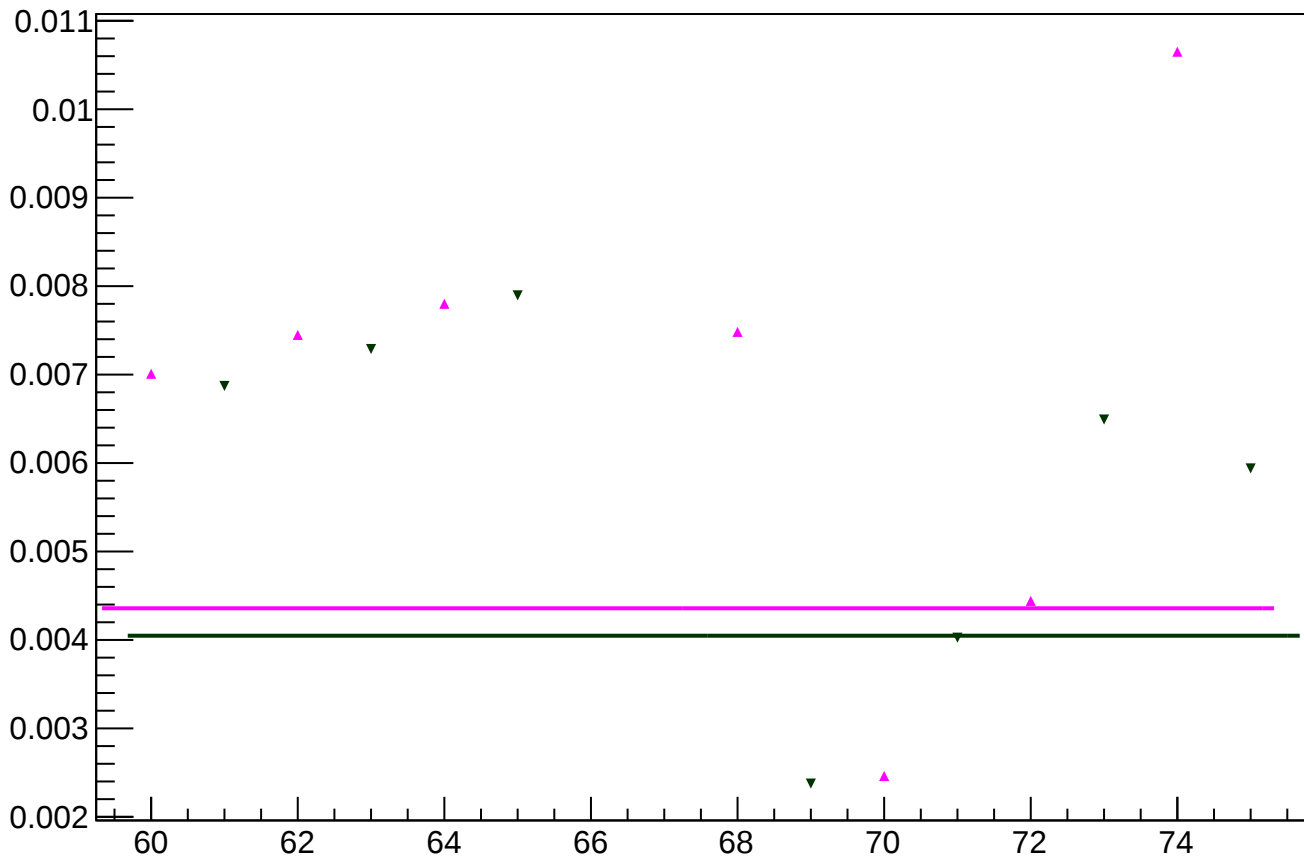
0.163+/-0.000  $\chi^2/\text{NDF}$ : 954836.0/6

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

0.163+/-0.000  $\chi^2/\text{NDF}$ : 927243.9/6

Left In: 0.163+/-0.000  $\chi^2/\text{NDF}$ : 927243.9/6

# yield\_cav4cX\_rms vs slug



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

Left Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 1171415.0/6

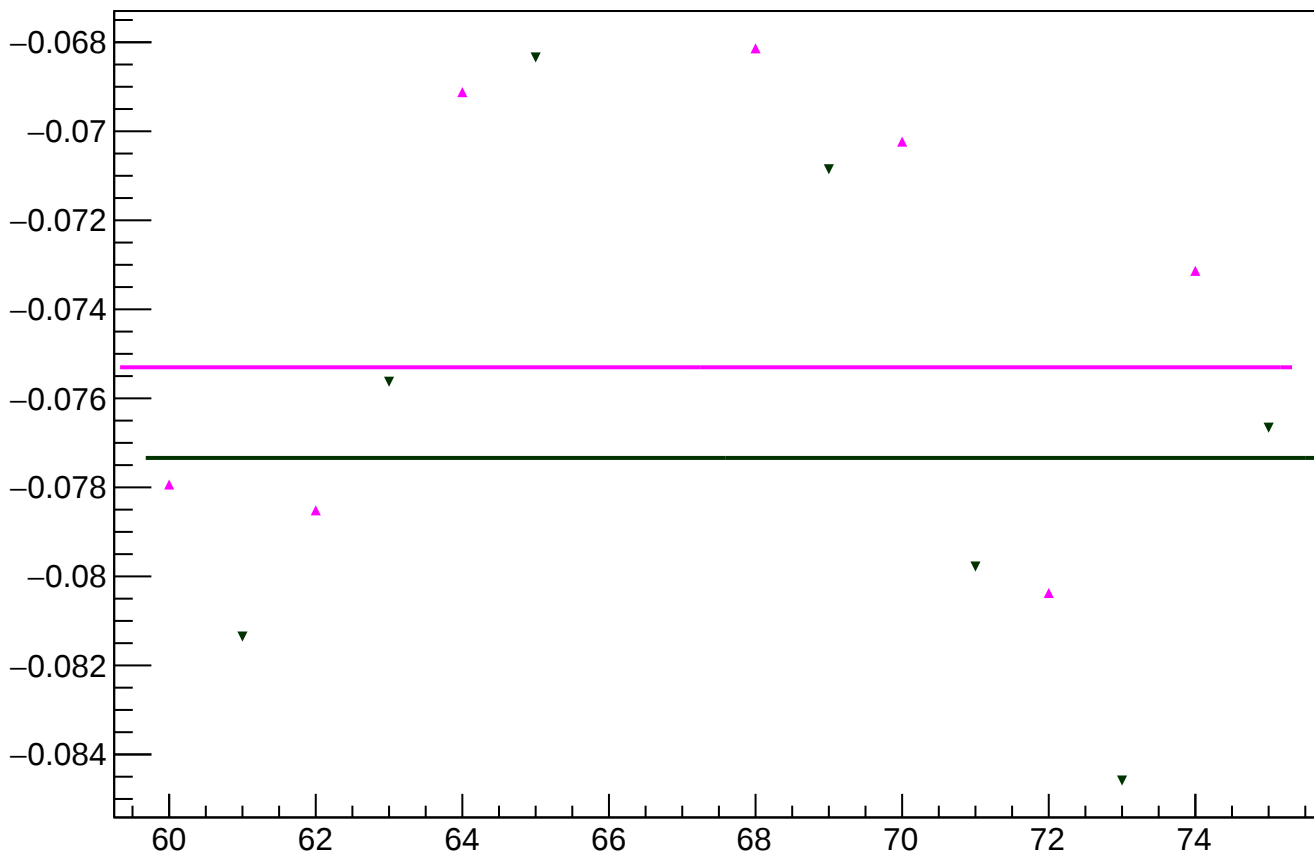
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 1398929.3/6

0.004+/-0.000  $\chi^2/\text{NDF}$ : 1171415.0/6

0.004+/-0.000  $\chi^2/\text{NDF}$ : 1398929.3/6

# yield\_cav4cY\_mean vs slug



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

Left Out: -0.077+/-0.000  $\chi^2/\text{NDF}$ : 3532971.7/6

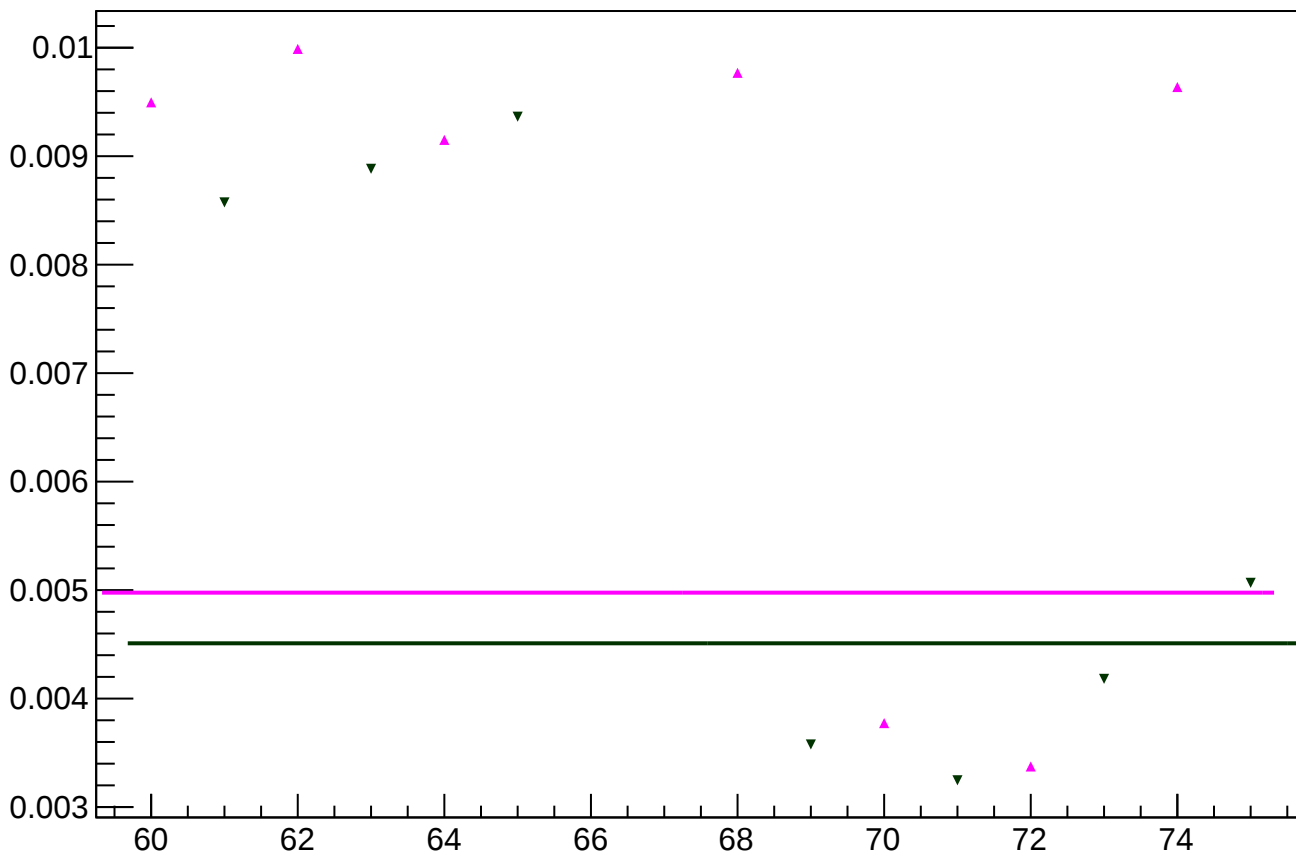
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.075+/-0.000  $\chi^2/\text{NDF}$ : 2240043.3/6

-0.077+/-0.000  $\chi^2/\text{NDF}$ : 3532971.7/6

-0.075+/-0.000  $\chi^2/\text{NDF}$ : 2240043.3/6

# yield\_cav4cY\_rms vs slug



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

Left Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 688852.0/6

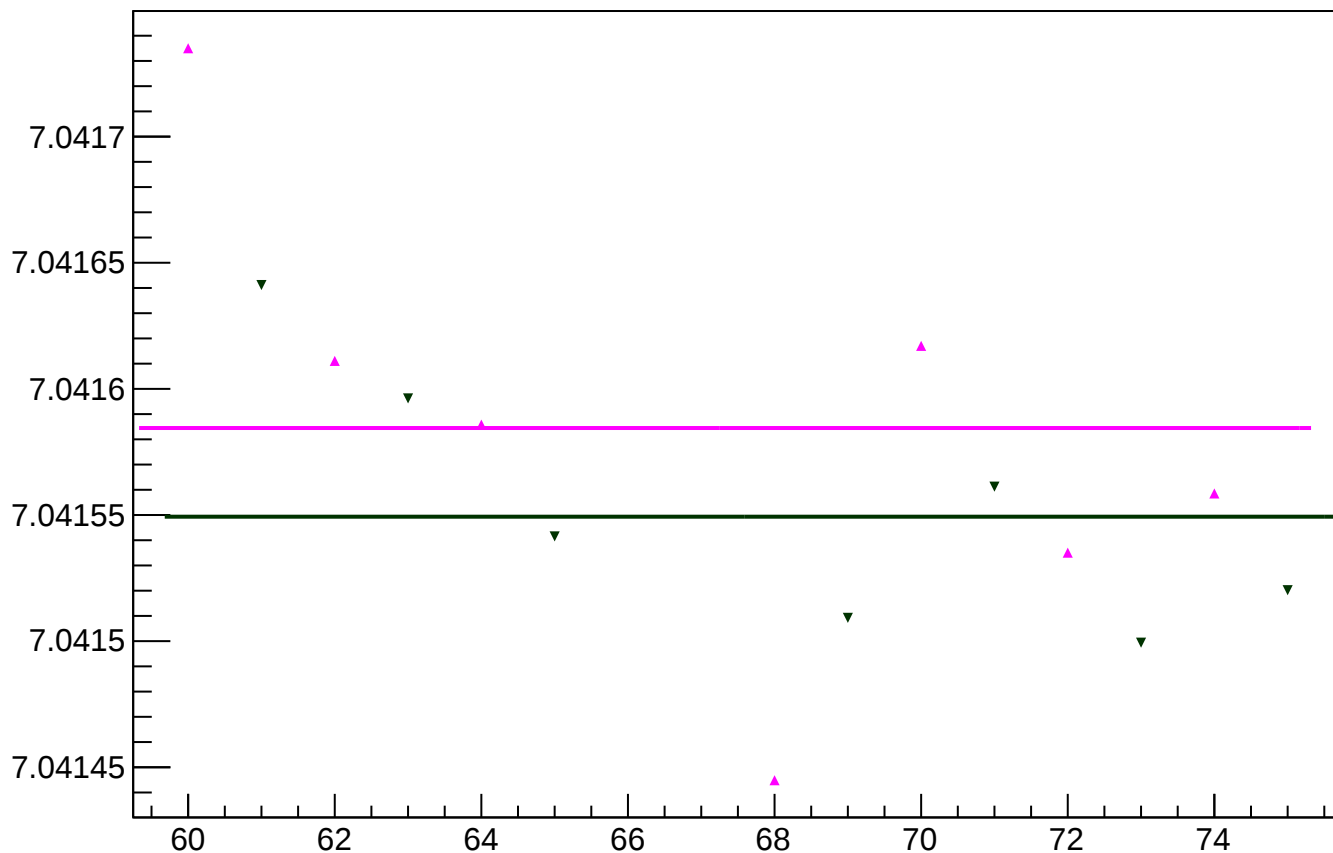
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 1184921.1/6

0.005+/-0.000  $\chi^2/\text{NDF}$ : 688852.0/6

0.005+/-0.000  $\chi^2/\text{NDF}$ : 1184921.1/6

# yield\_cav4dX\_mean vs slug



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

Left Out: 7.042+/-0.000  $\chi^2/\text{NDF}$ : 265027.1/6

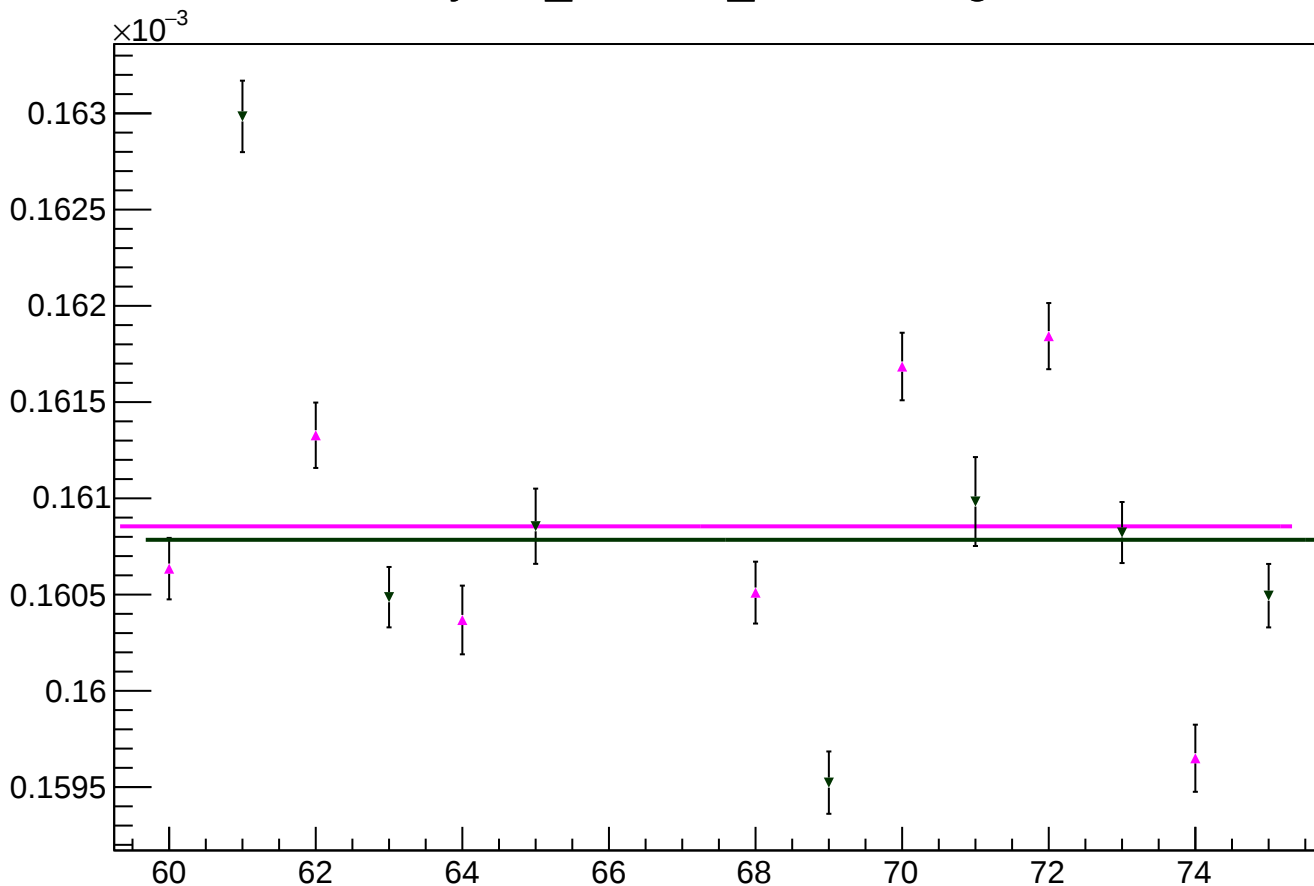
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 7.042+/-0.000  $\chi^2/\text{NDF}$ : 903934.0/6

7.042+/-0.000  $\chi^2/\text{NDF}$ : 265027.1/6

7.042+/-0.000  $\chi^2/\text{NDF}$ : 903934.0/6

# yield\_cav4dX\_rms vs slug



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

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 208.7/6

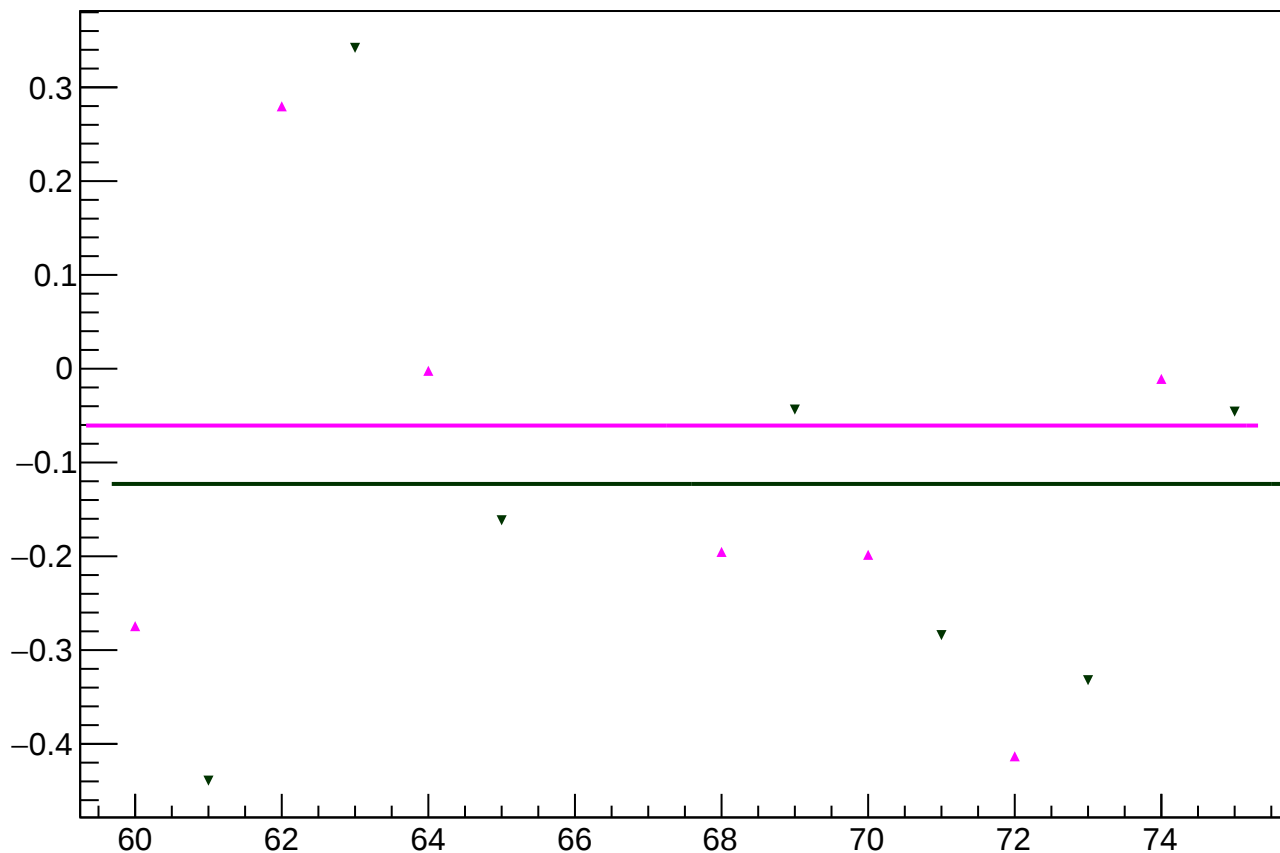
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 124.9/6

0.000+/-0.000  $\chi^2/\text{NDF}$ : 208.7/6

0.000+/-0.000  $\chi^2/\text{NDF}$ : 124.9/6

# yield\_cav4dY\_mean vs slug



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

Left Out: -0.123+/-0.000  $\chi^2/\text{NDF}$ : 15879611.5/6

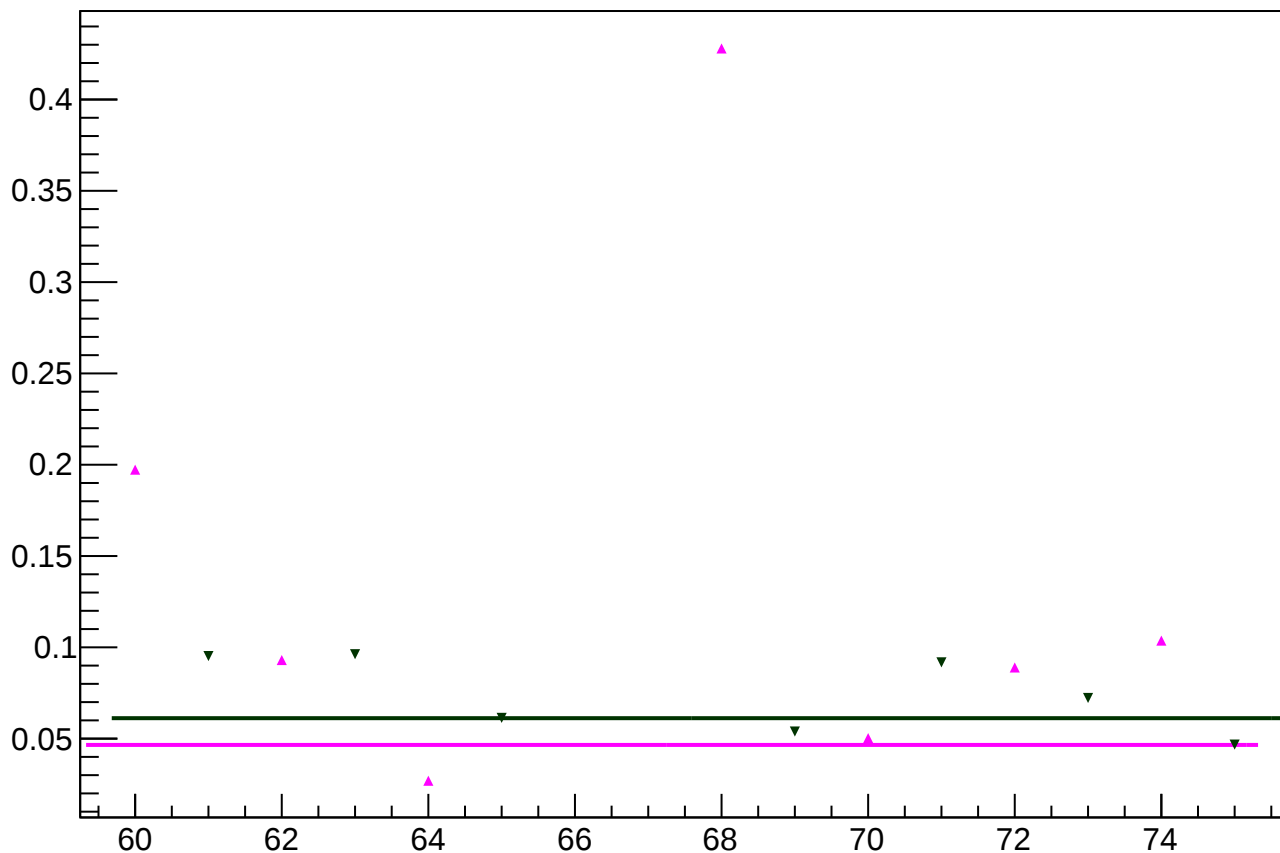
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.061+/-0.000  $\chi^2/\text{NDF}$ : 13554233.0/6

-0.123+/-0.000  $\chi^2/\text{NDF}$ : 15879611.5/6

-0.061+/-0.000  $\chi^2/\text{NDF}$ : 13554233.0/6

# yield\_cav4dY\_rms vs slug



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

Left Out: 0.061+/-0.000  $\chi^2/\text{NDF}$ : 304881.9/6

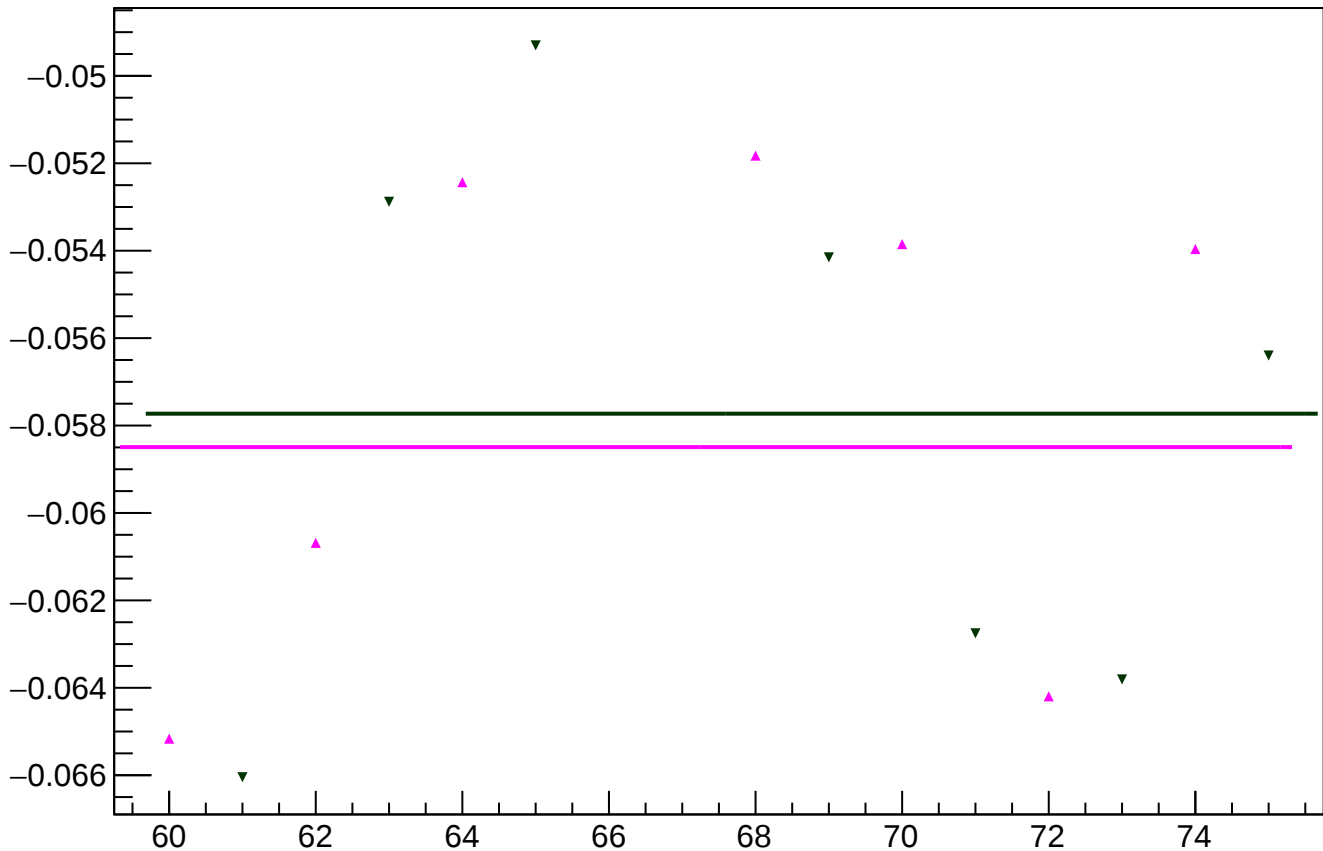
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.047+/-0.000  $\chi^2/\text{NDF}$ : 2021832.8/6

0.061+/-0.000  $\chi^2/\text{NDF}$ : 304881.9/6

0.047+/-0.000  $\chi^2/\text{NDF}$ : 2021832.8/6

# yield\_bpm4aX\_mean vs slug



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

Left Out: -0.058+/-0.000  $\chi^2/\text{NDF}$ : 1170545.5/6

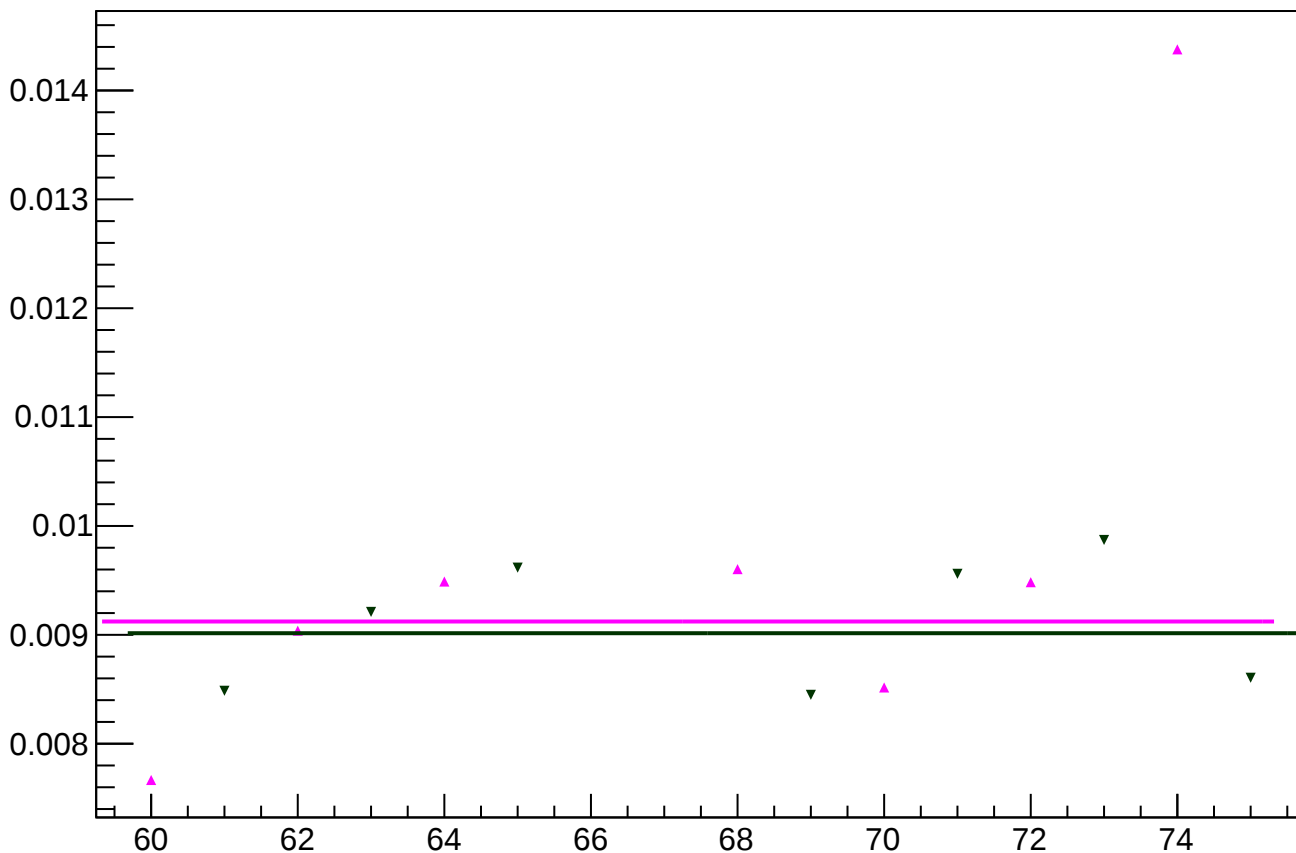
-0.058+/-0.000  $\chi^2/\text{NDF}$ : 1170545.5/6

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

-0.058+/-0.000  $\chi^2/\text{NDF}$ : 1168139.3/6

Left In: -0.058+/-0.000  $\chi^2/\text{NDF}$ : 1168139.3/6

# yield\_bpm4aX\_rms vs slug



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

Left Out: 0.009+/-0.000  $\chi^2/\text{NDF}$ :22267.8/6

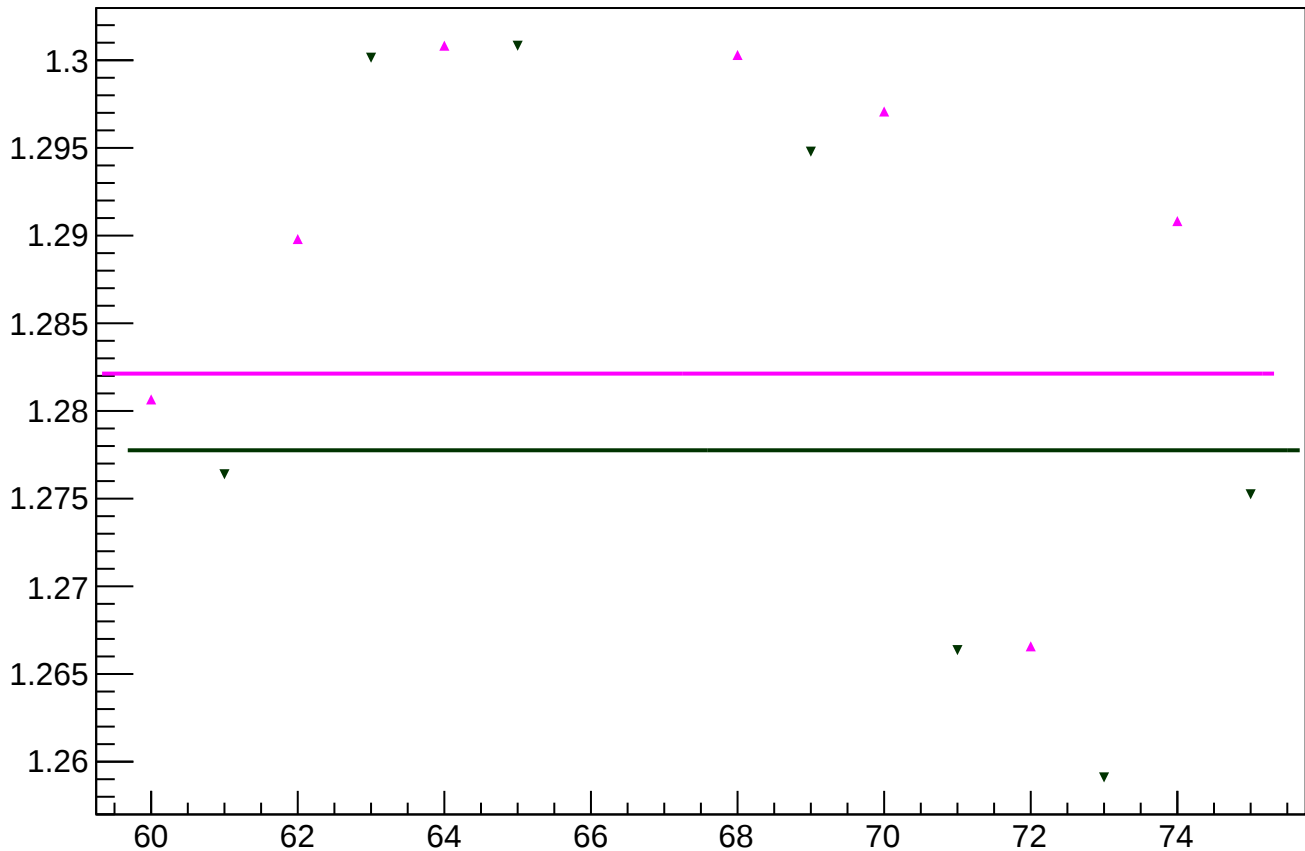
0.009+/-0.000  $\chi^2/\text{NDF}$ : 22267.8/6

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

0.009+/-0.000  $\chi^2/\text{NDF}$ : 163928.0/6

Left In: 0.009+/-0.000  $\chi^2/\text{NDF}$ :163928.0/6

# yield\_bpm4aY\_mean vs slug



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

Left Out: 1.278+/-0.000  $\chi^2/\text{NDF}$ : 2276193.6/6

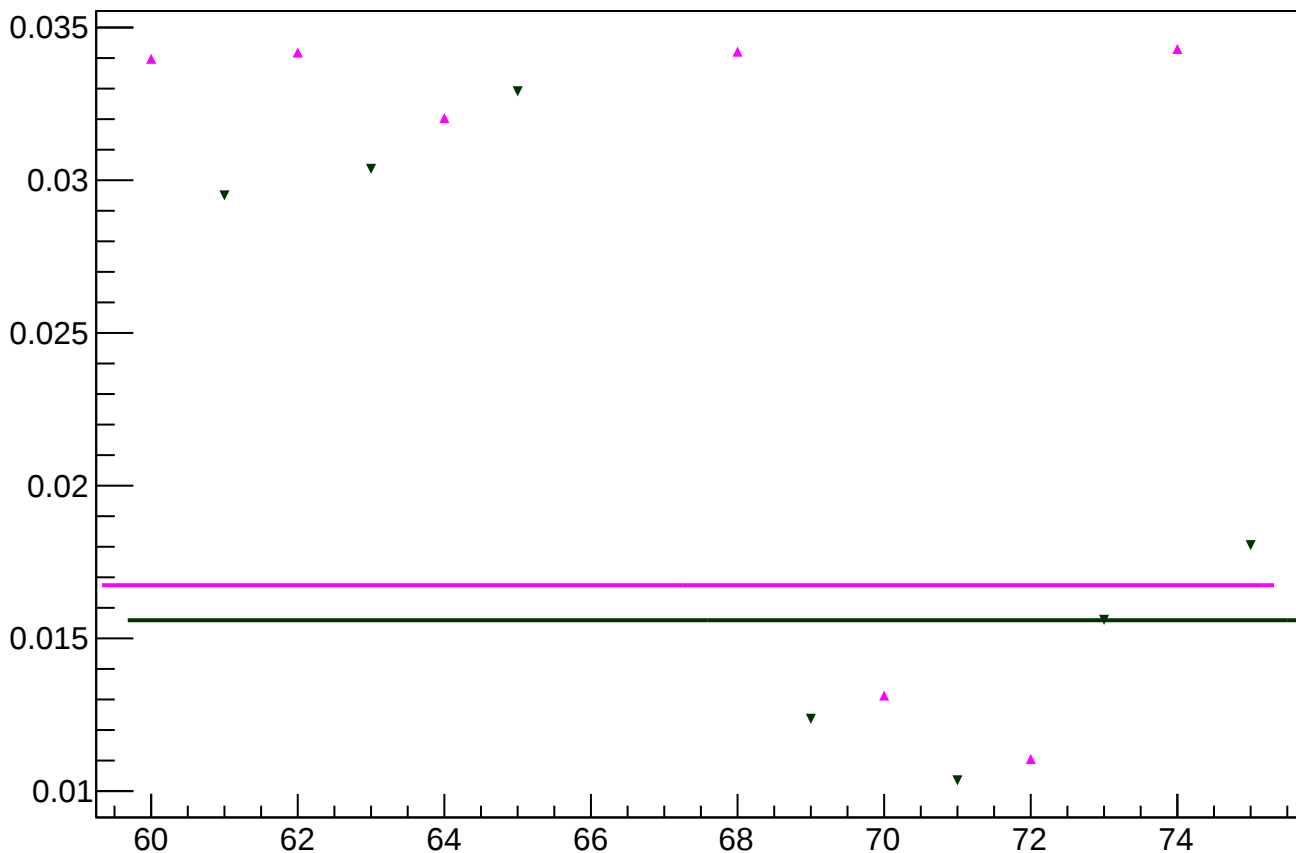
1.278+/-0.000  $\chi^2/\text{NDF}$ : 2276193.6/6

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

1.282+/-0.000  $\chi^2/\text{NDF}$ : 1691683.6/6

Left In: 1.282+/-0.000  $\chi^2/\text{NDF}$ : 1691683.6/6

# yield\_bpm4aY\_rms vs slug



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

Left Out: 0.016+/-0.000  $\chi^2/\text{NDF}$ : 736257.2/6

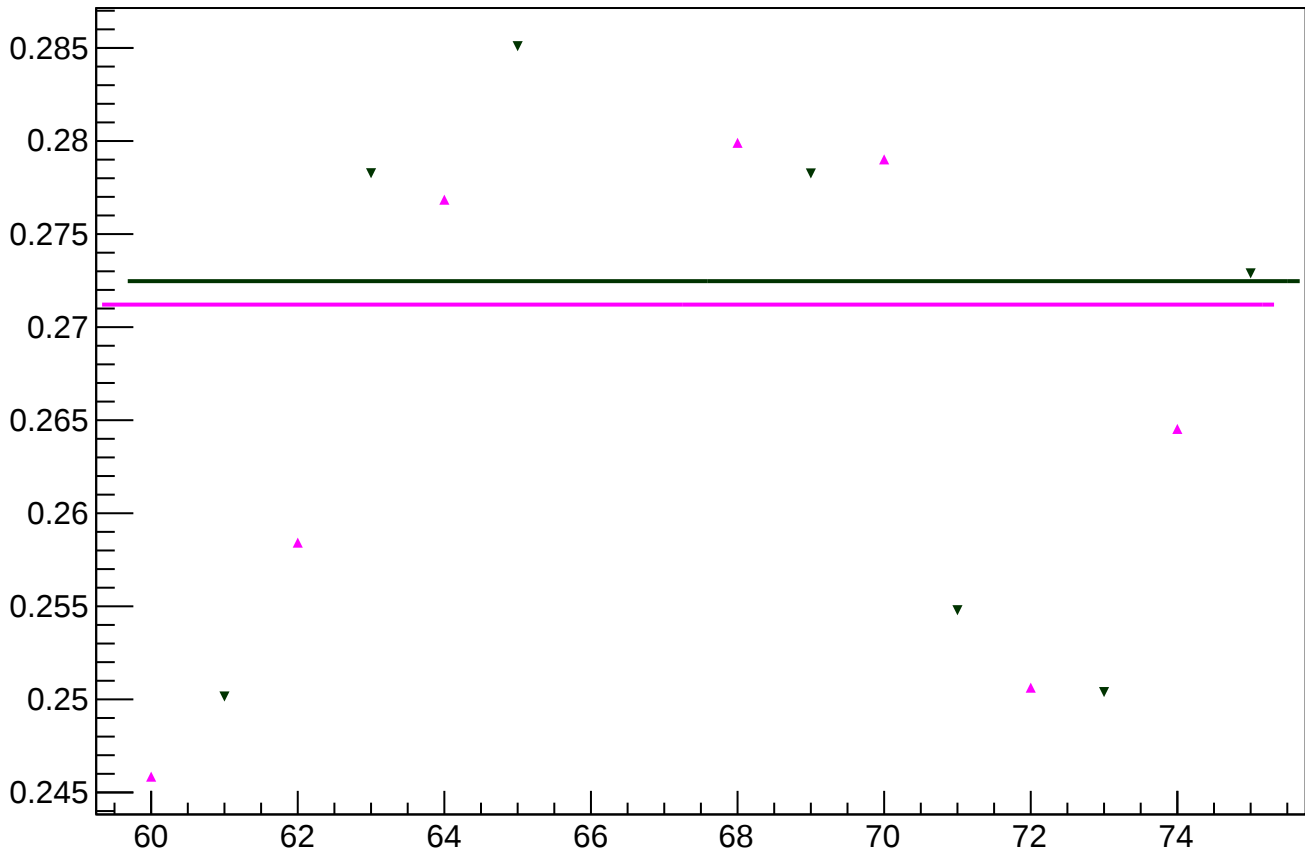
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.017+/-0.000  $\chi^2/\text{NDF}$ : 1277000.2/6

0.016+/-0.000  $\chi^2/\text{NDF}$ : 736257.2/6

0.017+/-0.000  $\chi^2/\text{NDF}$ : 1277000.2/6

# yield\_bpm4eX\_mean vs slug



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

Left Out: 0.272+/-0.000  $\chi^2/\text{NDF}$ : 630295.5/6

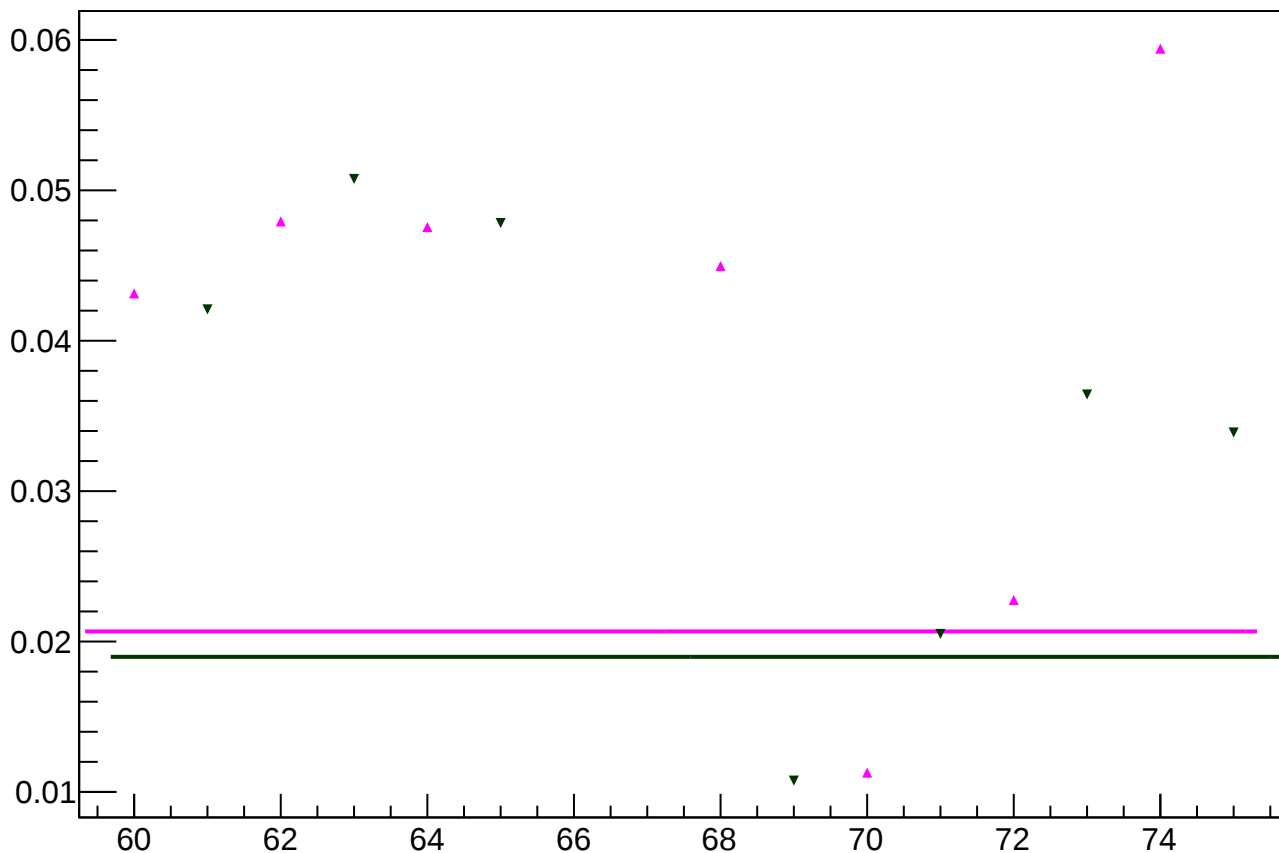
0.272+/-0.000  $\chi^2/\text{NDF}$ : 630295.5/6

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

0.271+/-0.000  $\chi^2/\text{NDF}$ : 753517.8/6

Left In: 0.271+/-0.000  $\chi^2/\text{NDF}$ : 753517.8/6

# yield\_bpm4eX\_rms vs slug



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

Left Out: 0.019+/-0.000  $\chi^2/\text{NDF}$ :1775169.1/6

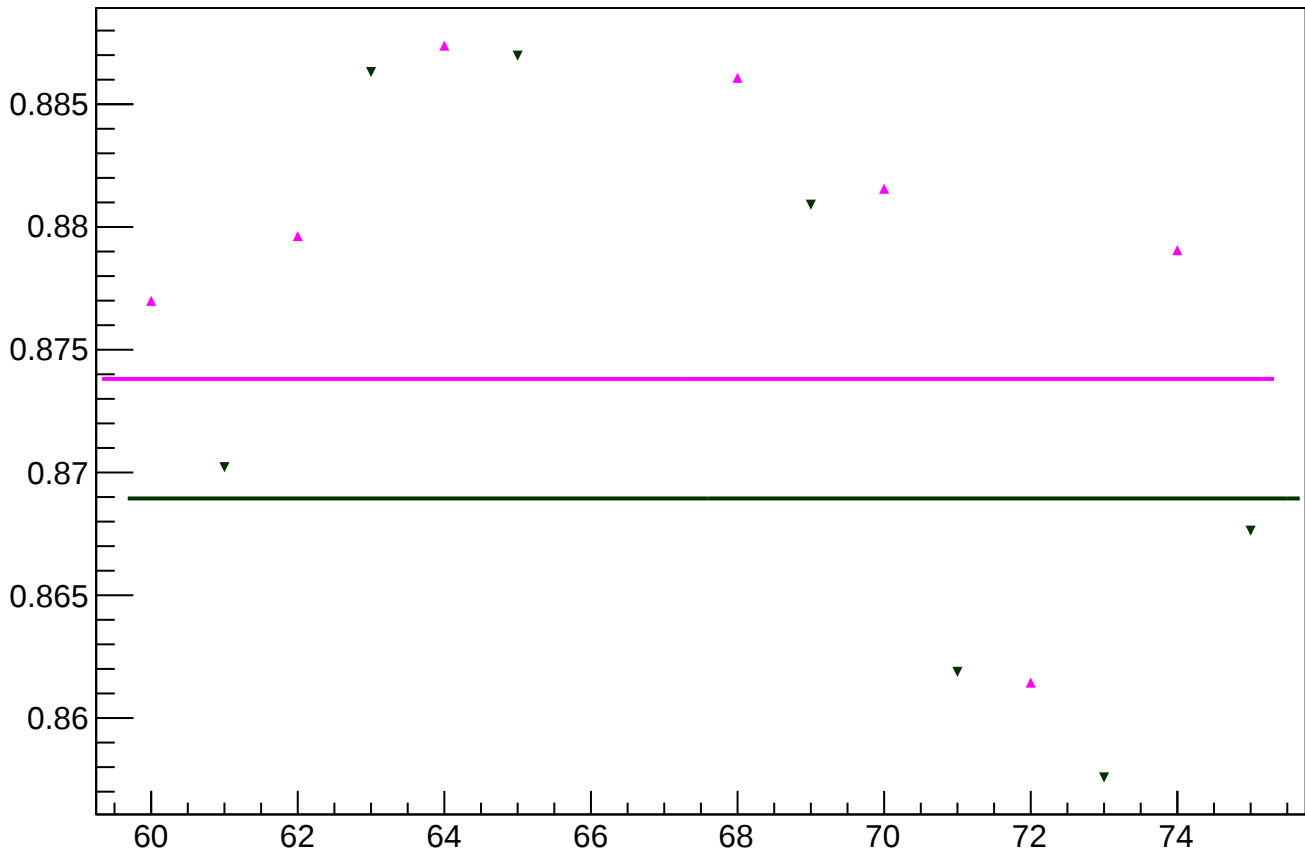
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.021+/-0.000  $\chi^2/\text{NDF}$ :1995523.7/6

0.019+/-0.000  $\chi^2/\text{NDF}$ : 1775169.1/6

0.021+/-0.000  $\chi^2/\text{NDF}$ : 1995523.7/6

# yield\_bpm4eY\_mean vs slug



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

Left Out: 0.869+/-0.000  $\chi^2/\text{NDF}$ :1737894.4/6

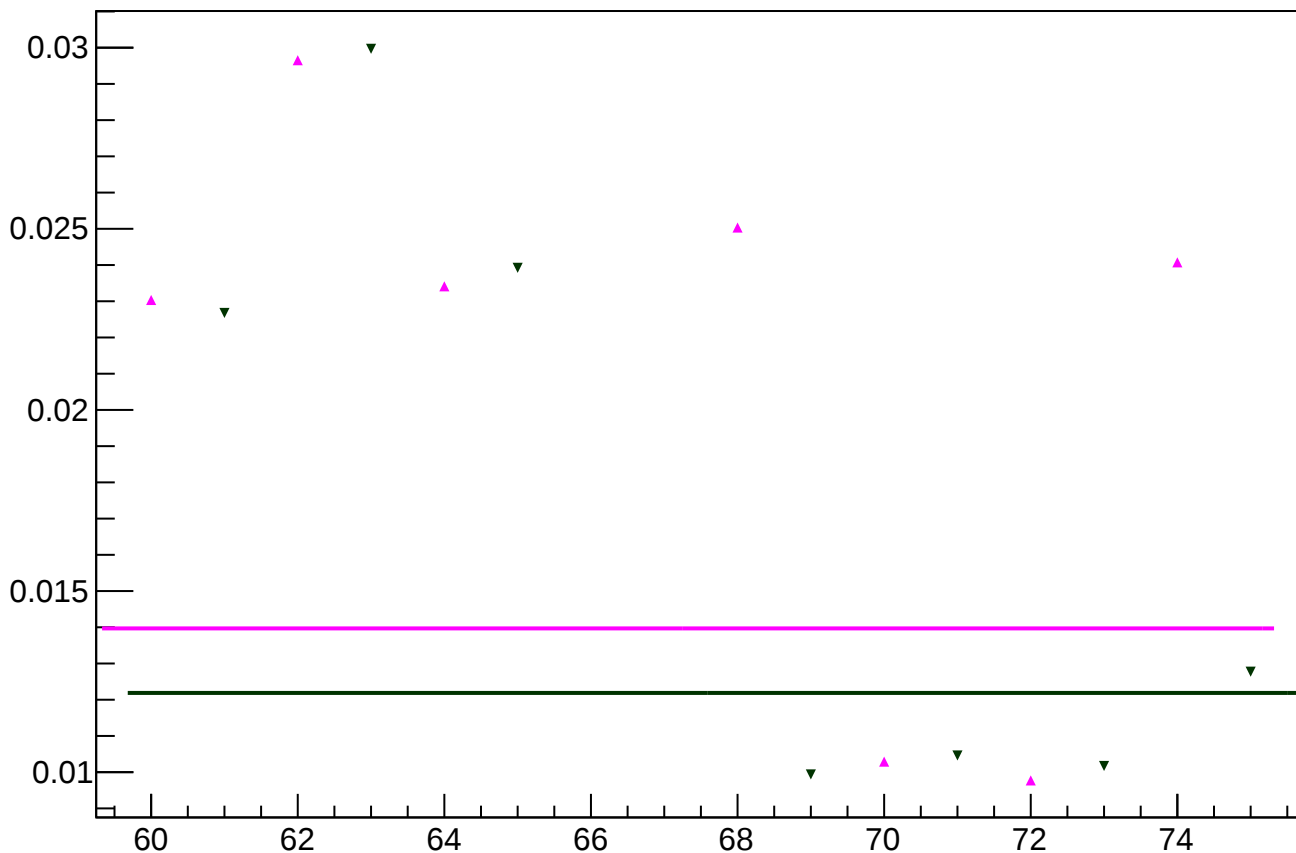
0.869+/-0.000  $\chi^2/\text{NDF}$ : 1737894.4/6

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

0.874+/-0.000  $\chi^2/\text{NDF}$ : 1209294.8/6

Left In: 0.874+/-0.000  $\chi^2/\text{NDF}$ :1209294.8/6

# yield\_bpm4eY\_rms vs slug



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

Left Out: 0.012+/-0.000  $\chi^2/\text{NDF}$ : 721583.7/6

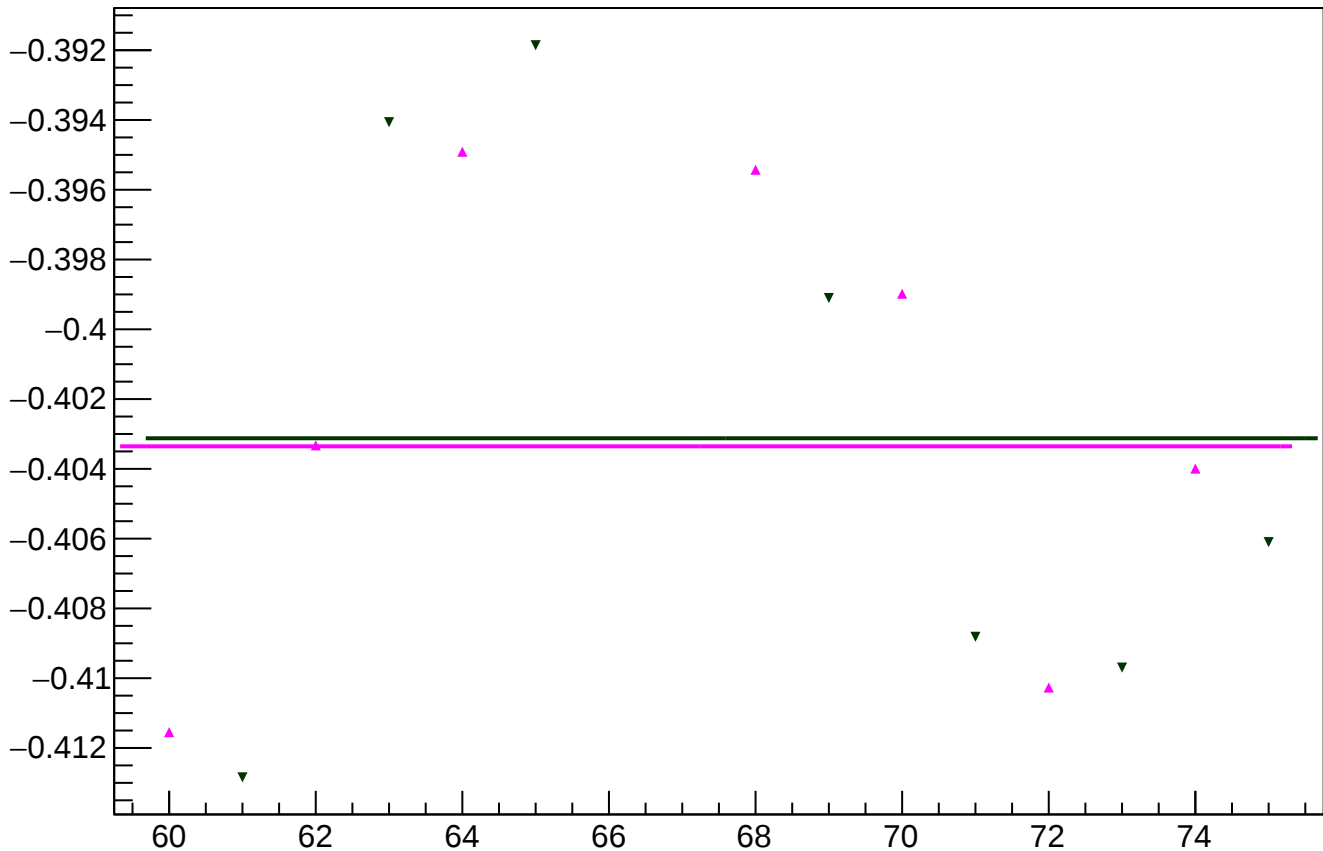
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 1027928.4/6

0.012+/-0.000  $\chi^2/\text{NDF}$ : 721583.7/6

0.014+/-0.000  $\chi^2/\text{NDF}$ : 1027928.4/6

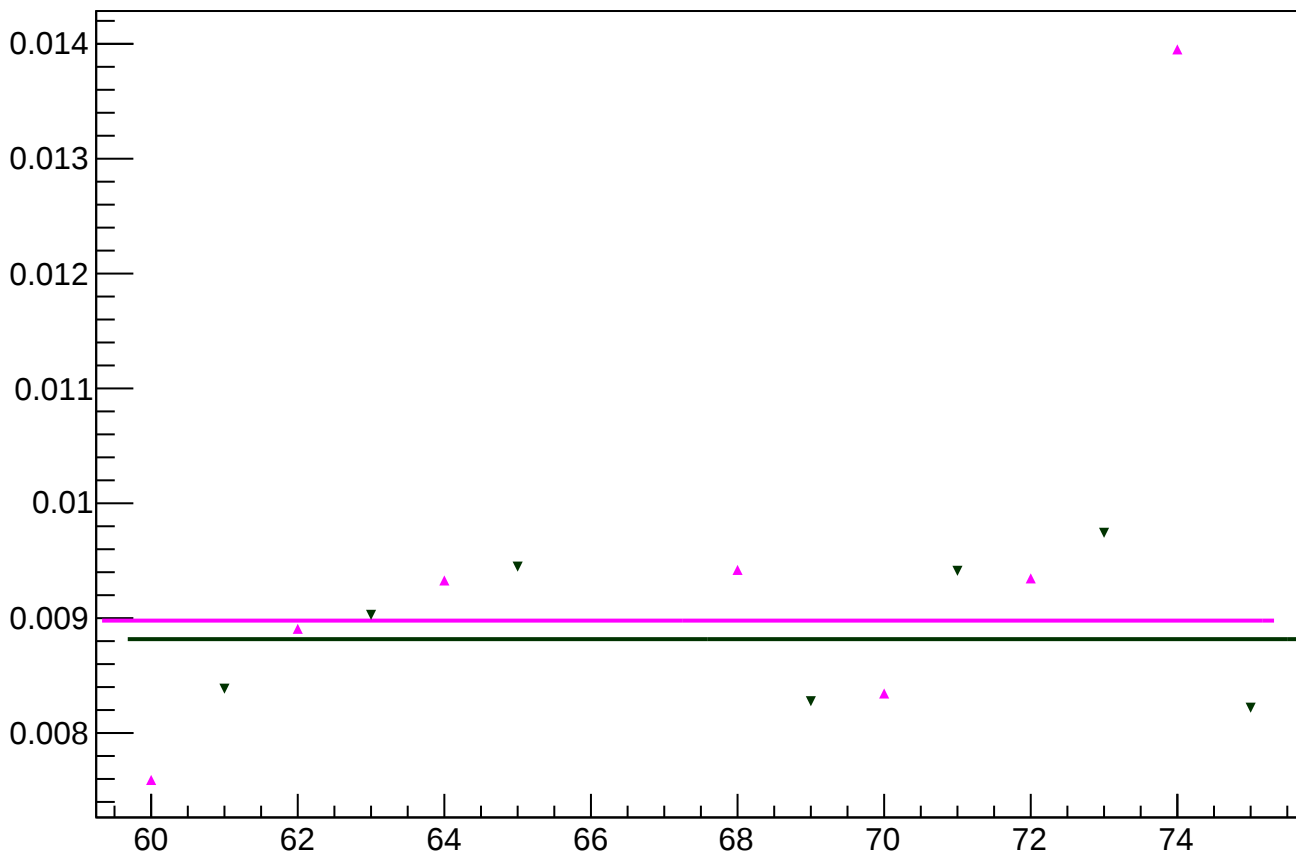
# yield\_bpm4acX\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: -0.403+/-0.000  $\chi^2/\text{NDF}$ :2072781.2/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: -0.403+/-0.000  $\chi^2/\text{NDF}$ :1672165.6/6

-0.403+/-0.000  $\chi^2/\text{NDF}$ : 2072781.2/6  
 -0.403+/-0.000  $\chi^2/\text{NDF}$ : 1672165.6/6

# yield\_bpm4acX\_rms vs slug



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

Left Out: 0.009+/-0.000     $\chi^2/\text{NDF}$ : 26238.0/6

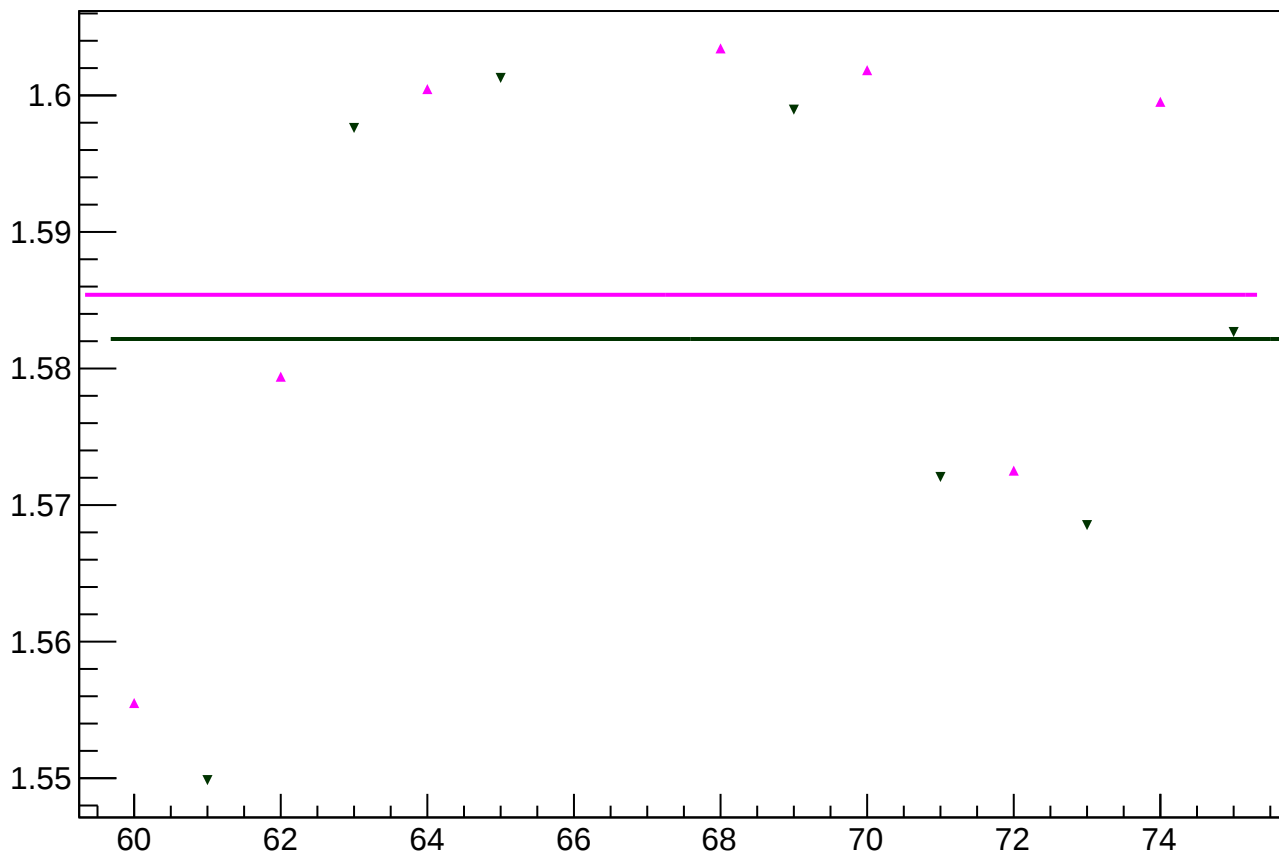
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.009+/-0.000     $\chi^2/\text{NDF}$ : 154838.6/6

0.009+/-0.000     $\chi^2/\text{NDF}$ : 26238.0/6

0.009+/-0.000     $\chi^2/\text{NDF}$ : 154838.6/6

yield\_bpm4acY\_mean vs slug



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

Left Out: 1.582+/-0.000  $\chi^2/\text{NDF}$ : 2034311.1/6

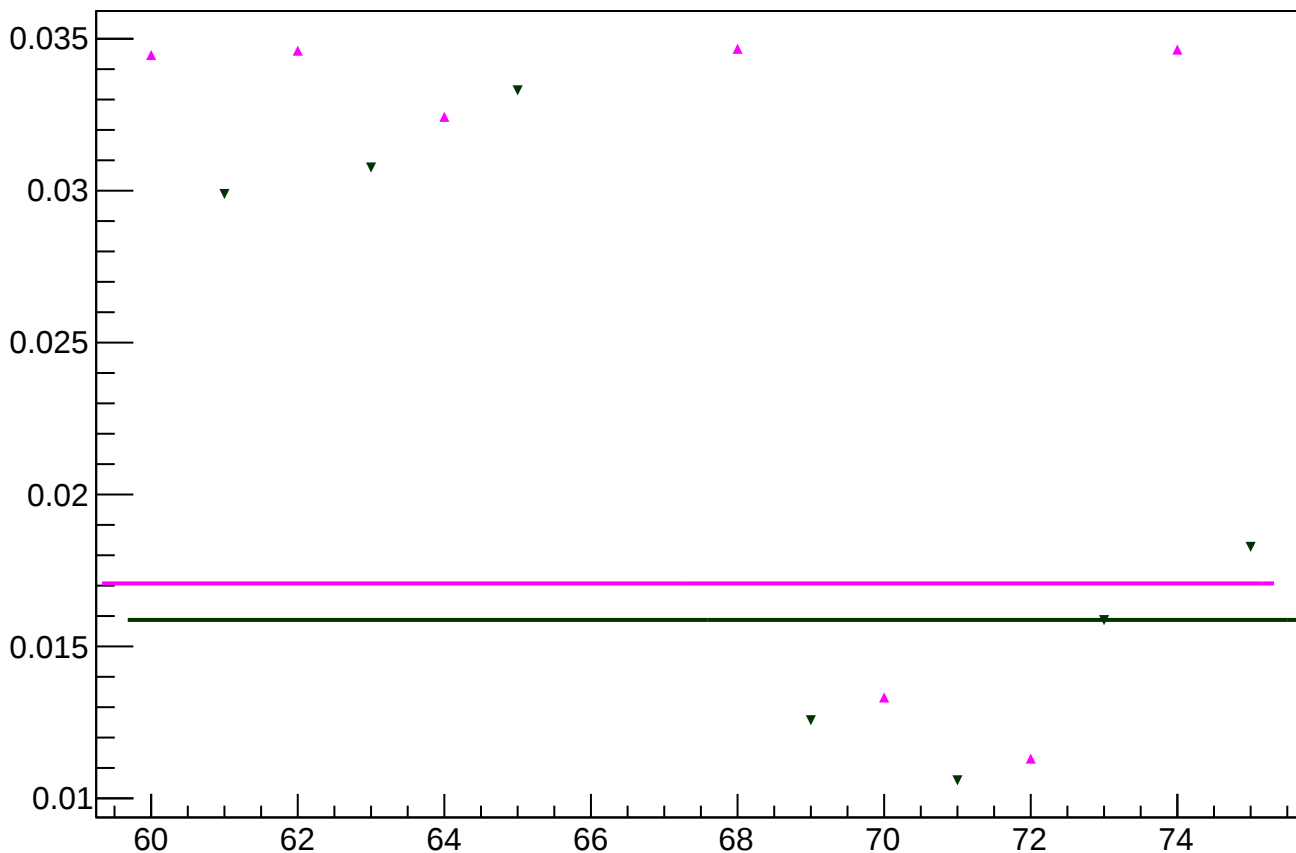
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.585+/-0.000  $\chi^2/\text{NDF}$ : 1765487.7/6

1.582+/-0.000  $\chi^2/\text{NDF}$ : 2034311.1/6

1.585+/-0.000  $\chi^2/\text{NDF}$ : 1765487.7/6

# yield\_bpm4acY\_rms vs slug



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

Left Out: 0.016+/-0.000  $\chi^2/\text{NDF}$ : 726842.2/6

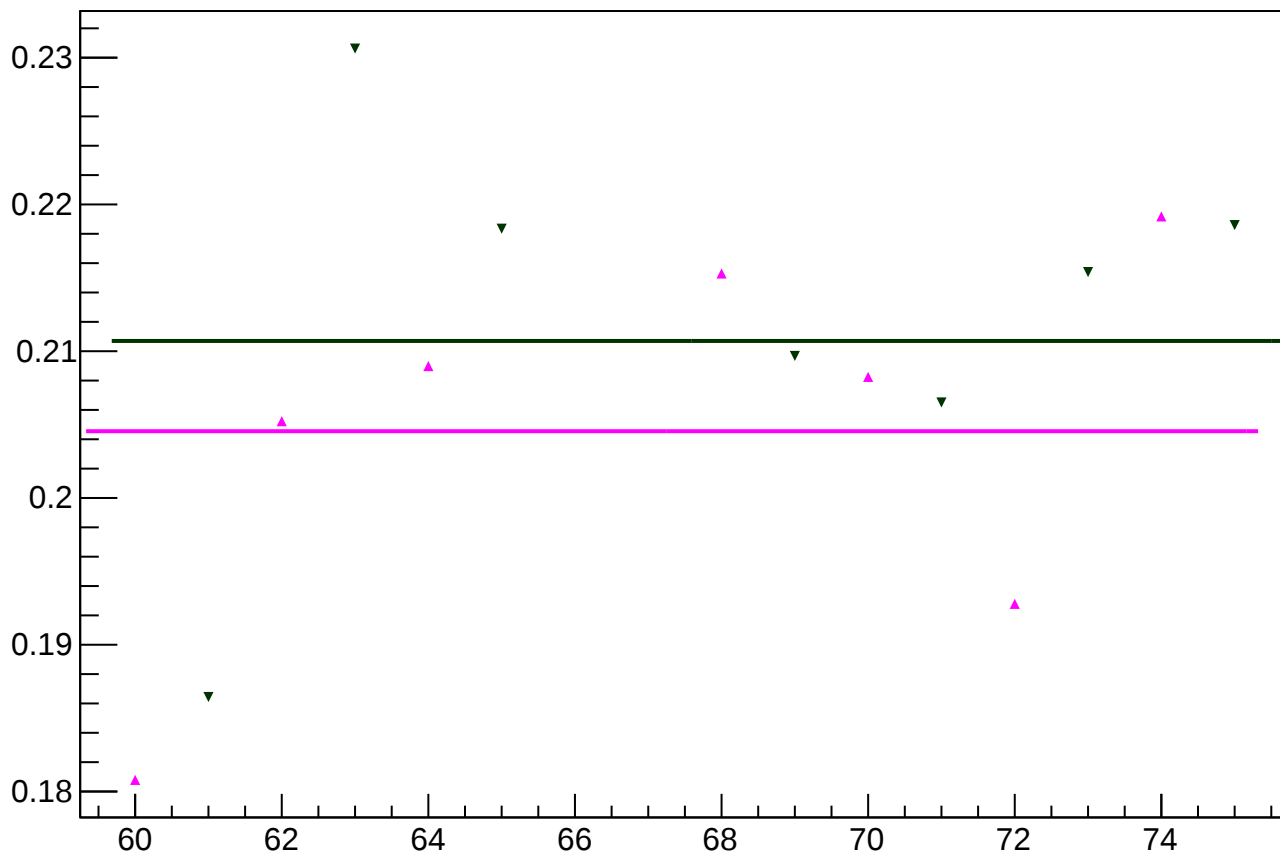
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.017+/-0.000  $\chi^2/\text{NDF}$ : 1262843.0/6

0.016+/-0.000  $\chi^2/\text{NDF}$ : 726842.2/6

0.017+/-0.000  $\chi^2/\text{NDF}$ : 1262843.0/6

# yield\_bpm4ecX\_mean vs slug



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

Left Out: 0.211+/-0.000  $\chi^2/\text{NDF}$ : 295134.4/6

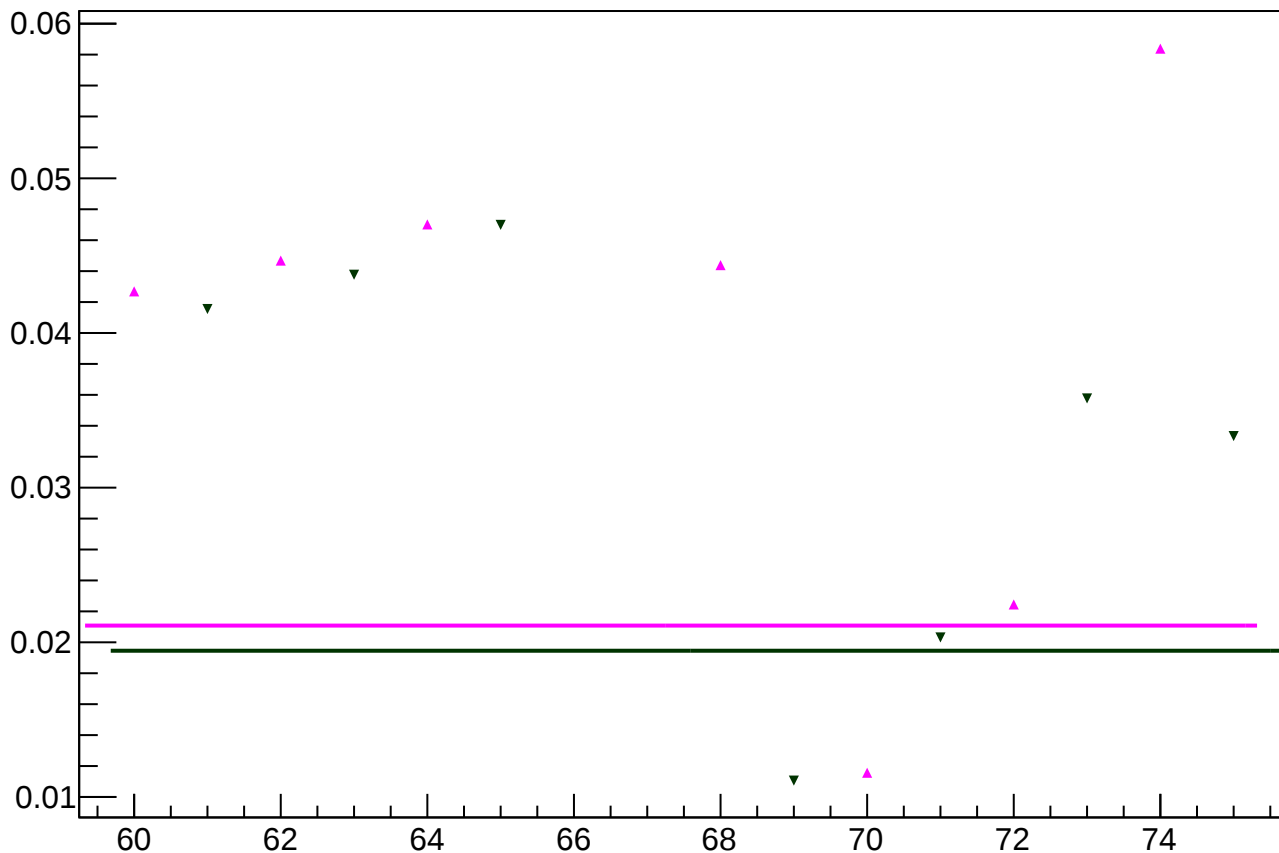
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.205+/-0.000  $\chi^2/\text{NDF}$ : 364523.5/6

0.211+/-0.000  $\chi^2/\text{NDF}$ : 295134.4/6

0.205+/-0.000  $\chi^2/\text{NDF}$ : 364523.5/6

# yield\_bpm4ecX\_rms vs slug



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

Left Out: 0.019+/-0.000  $\chi^2/\text{NDF}$ : 1618368.5/6

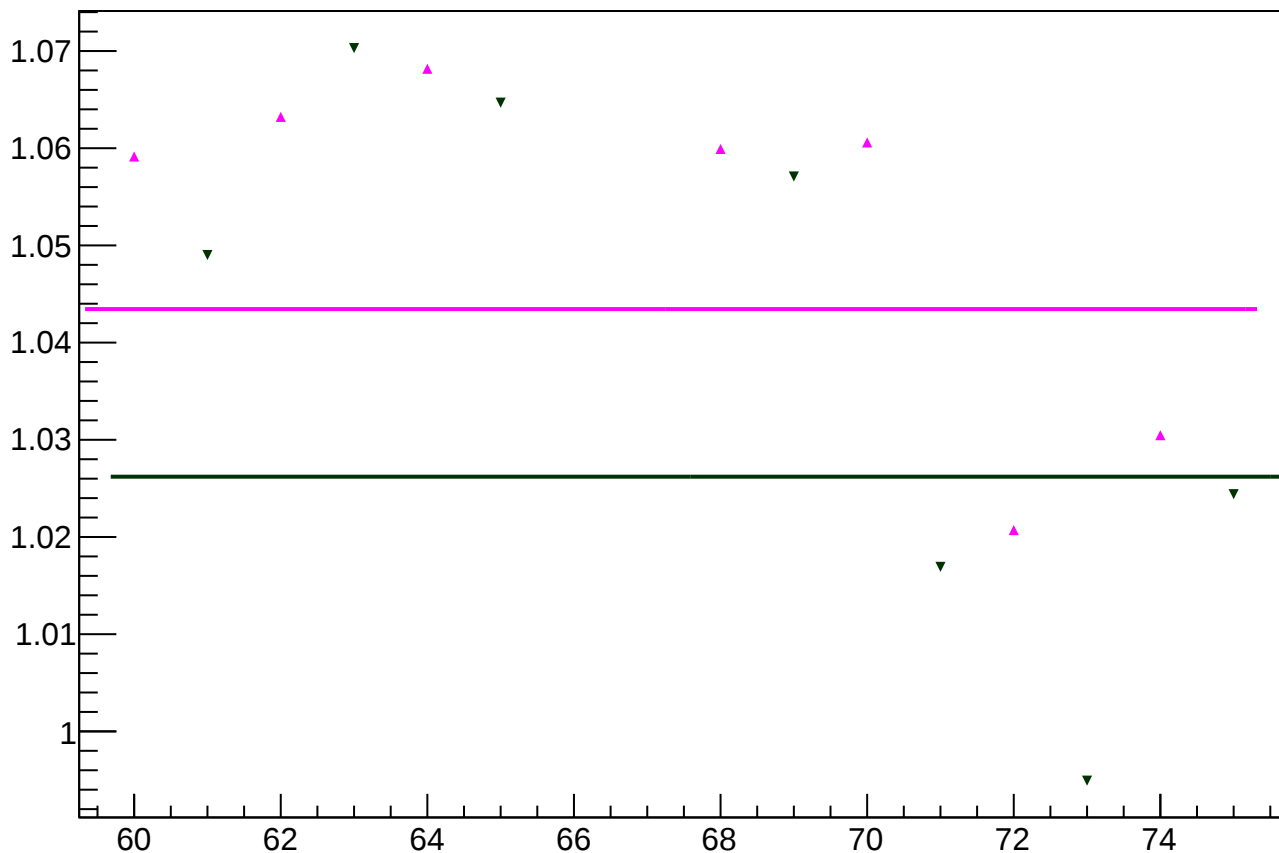
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.021+/-0.000  $\chi^2/\text{NDF}$ : 1891058.5/6

0.019+/-0.000  $\chi^2/\text{NDF}$ : 1618368.5/6

0.021+/-0.000  $\chi^2/\text{NDF}$ : 1891058.5/6

# yield\_bpm4ecY\_mean vs slug



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

Left Out: 1.026+/-0.000  $\chi^2/\text{NDF}$ :11330419.5/6

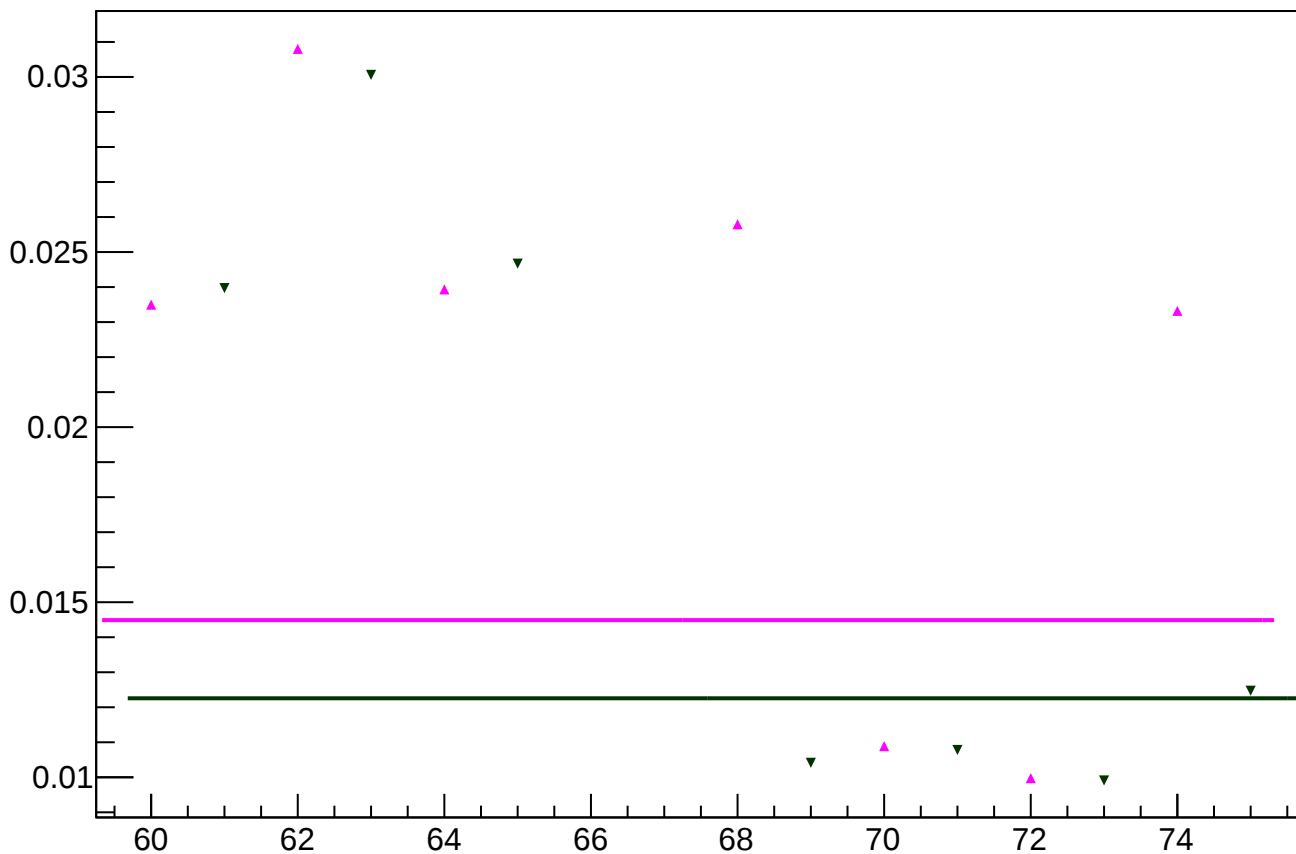
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.043+/-0.000  $\chi^2/\text{NDF}$ :4332081.6/6

1.026+/-0.000  $\chi^2/\text{NDF}$ : 11330419.5/6

1.043+/-0.000  $\chi^2/\text{NDF}$ : 4332081.6/6

# yield\_bpm4ecY\_rms vs slug



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

Left Out: 0.012+/-0.000  $\chi^2/\text{NDF}$ : 735472.9/6

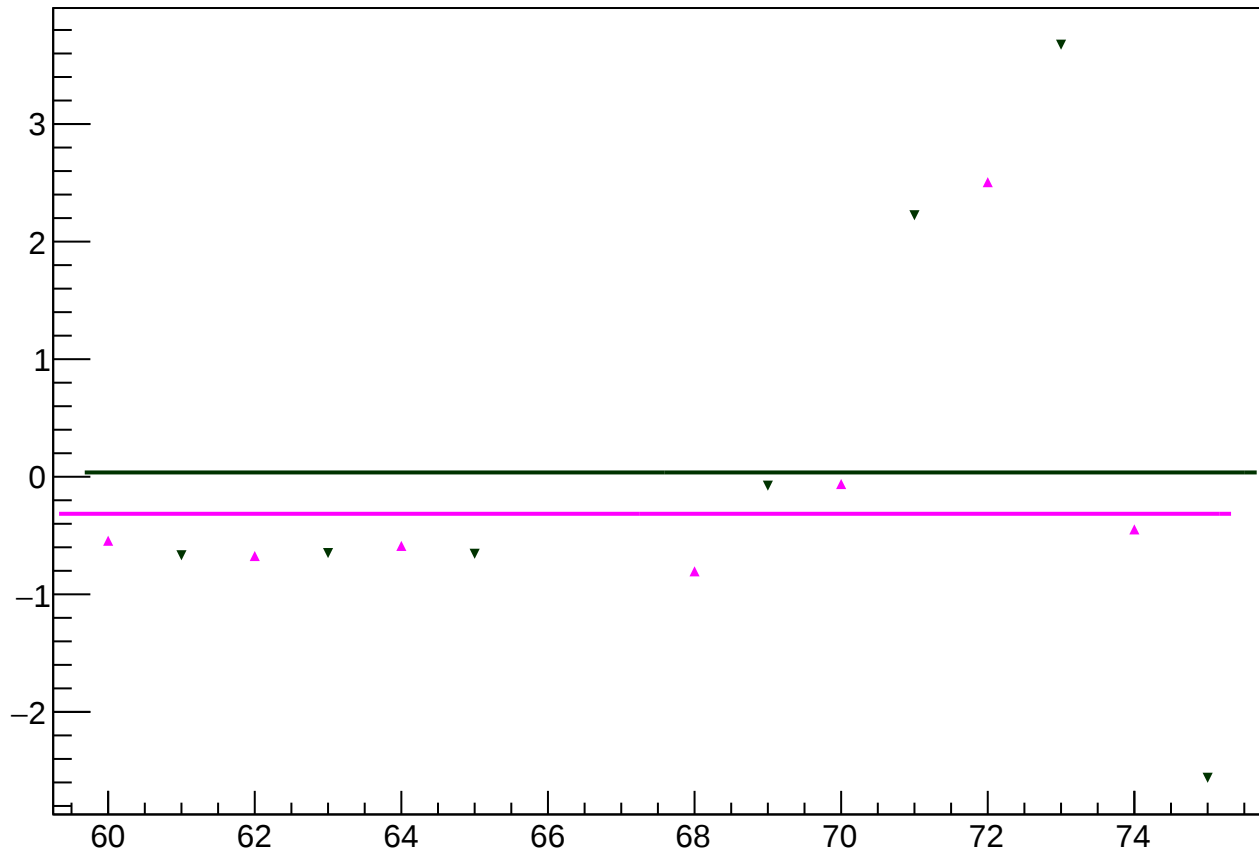
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 998018.2/6

0.012+/-0.000  $\chi^2/\text{NDF}$ : 735472.9/6

0.014+/-0.000  $\chi^2/\text{NDF}$ : 998018.2/6

yield\_bpm1X\_mean vs slug



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

Left Out: 0.037+/-0.000  $\chi^2/\text{NDF}$ : 650573427.3/6

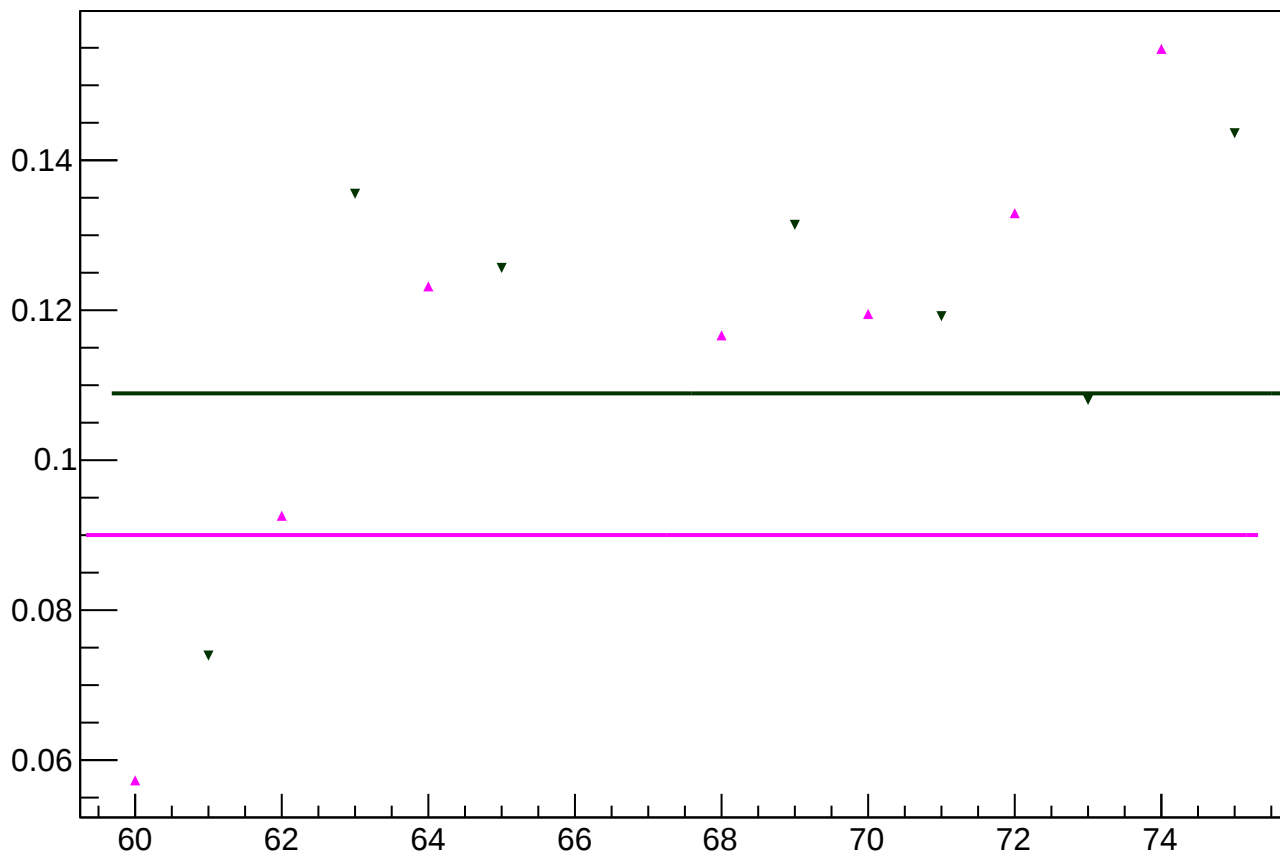
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.315+/-0.000  $\chi^2/\text{NDF}$ : 205467814.6/6

0.037+/-0.000  $\chi^2/\text{NDF}$ : 650573427.3/6

-0.315+/-0.000  $\chi^2/\text{NDF}$ : 205467814.6/6

# yield\_bpm1X\_rms vs slug



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

Left Out: 0.109+/-0.000  $\chi^2/\text{NDF}$ : 294224.6/6

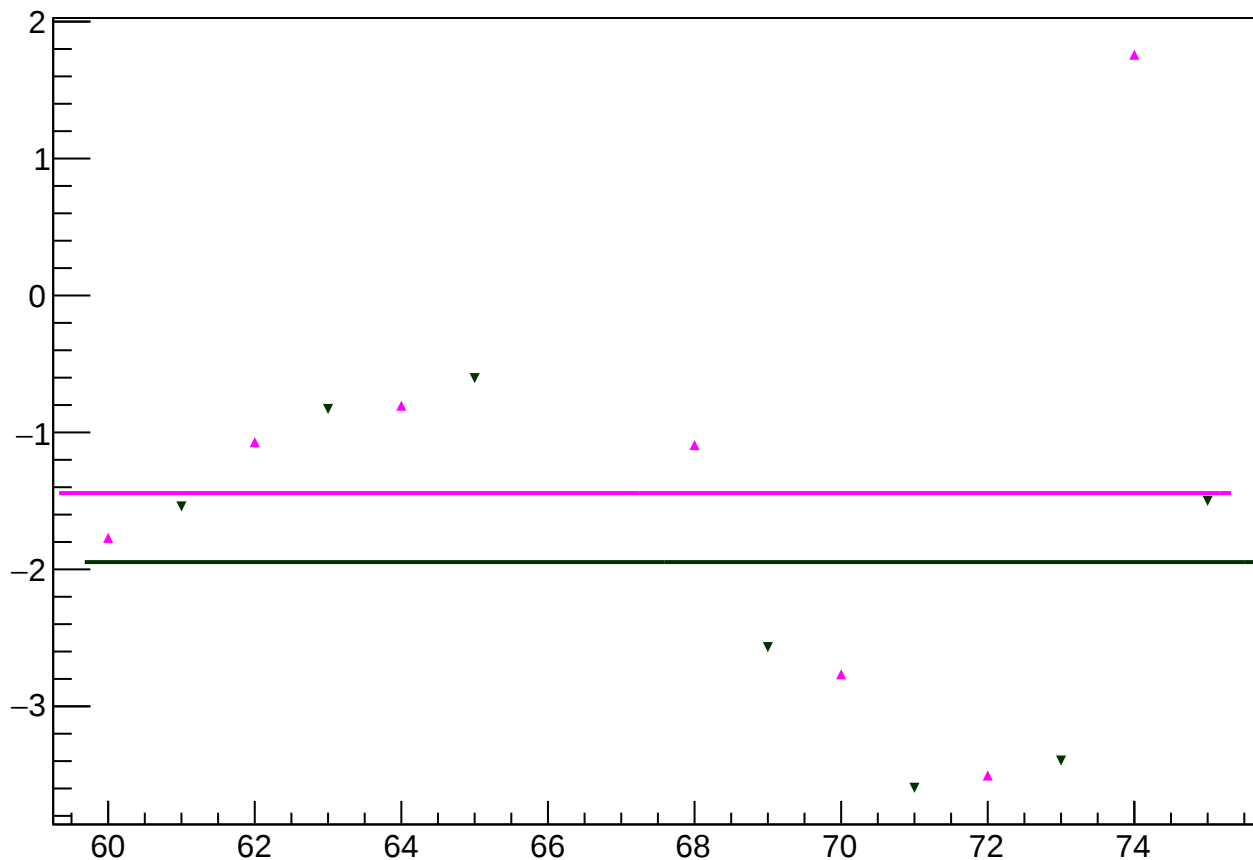
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.090+/-0.000  $\chi^2/\text{NDF}$ : 682891.3/6

0.109+/-0.000  $\chi^2/\text{NDF}$ : 294224.6/6

0.090+/-0.000  $\chi^2/\text{NDF}$ : 682891.3/6

yield\_bpm1Y\_mean vs slug



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

Left Out: -1.947+/-0.000  $\chi^2/\text{NDF}$ : 347080134.2/6

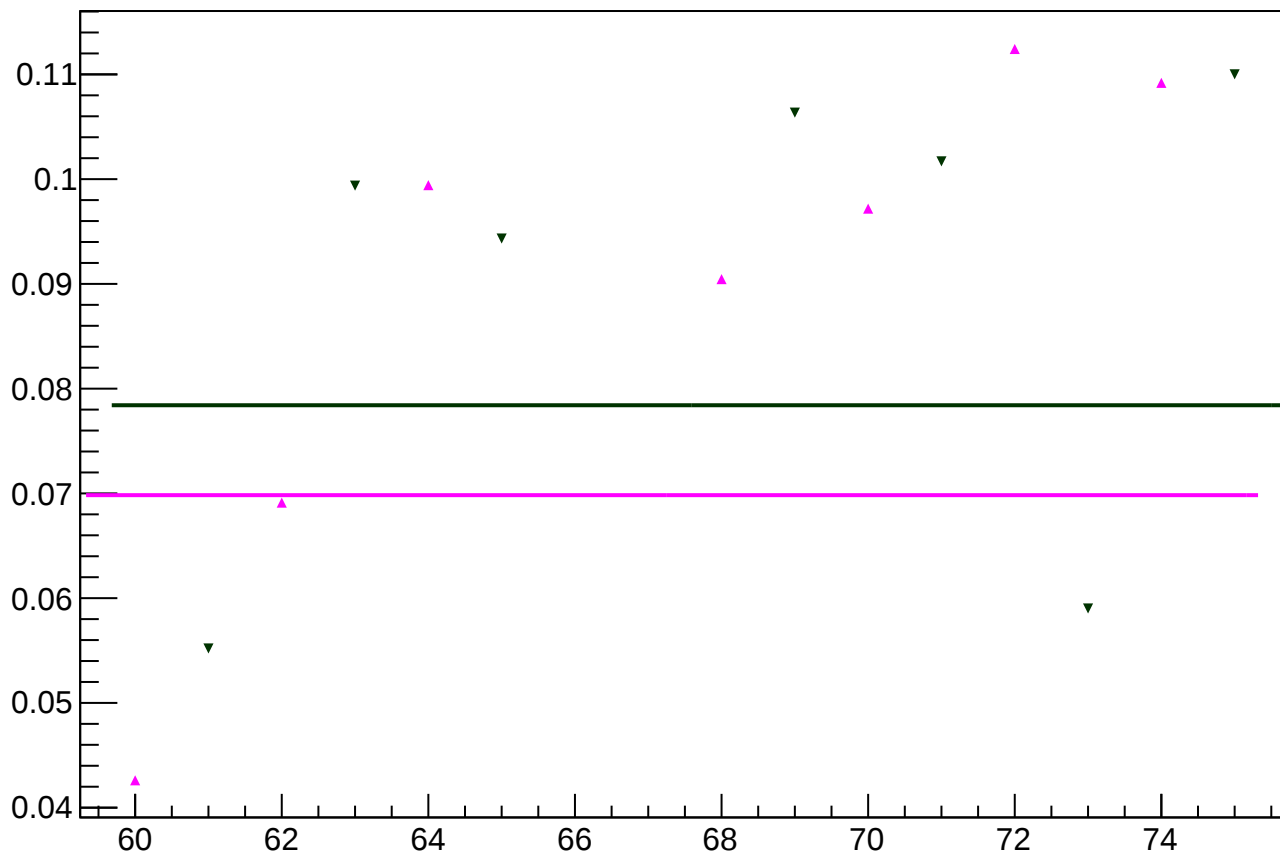
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.443+/-0.000  $\chi^2/\text{NDF}$ : 631684673.5/6

-1.947+/-0.000  $\chi^2/\text{NDF}$ : 347080134.2/6

-1.443+/-0.000  $\chi^2/\text{NDF}$ : 631684673.5/6

# yield\_bpm1Y\_rms vs slug



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

Left Out: 0.078+/-0.000     $\chi^2/\text{NDF}$ : 386325.1/6

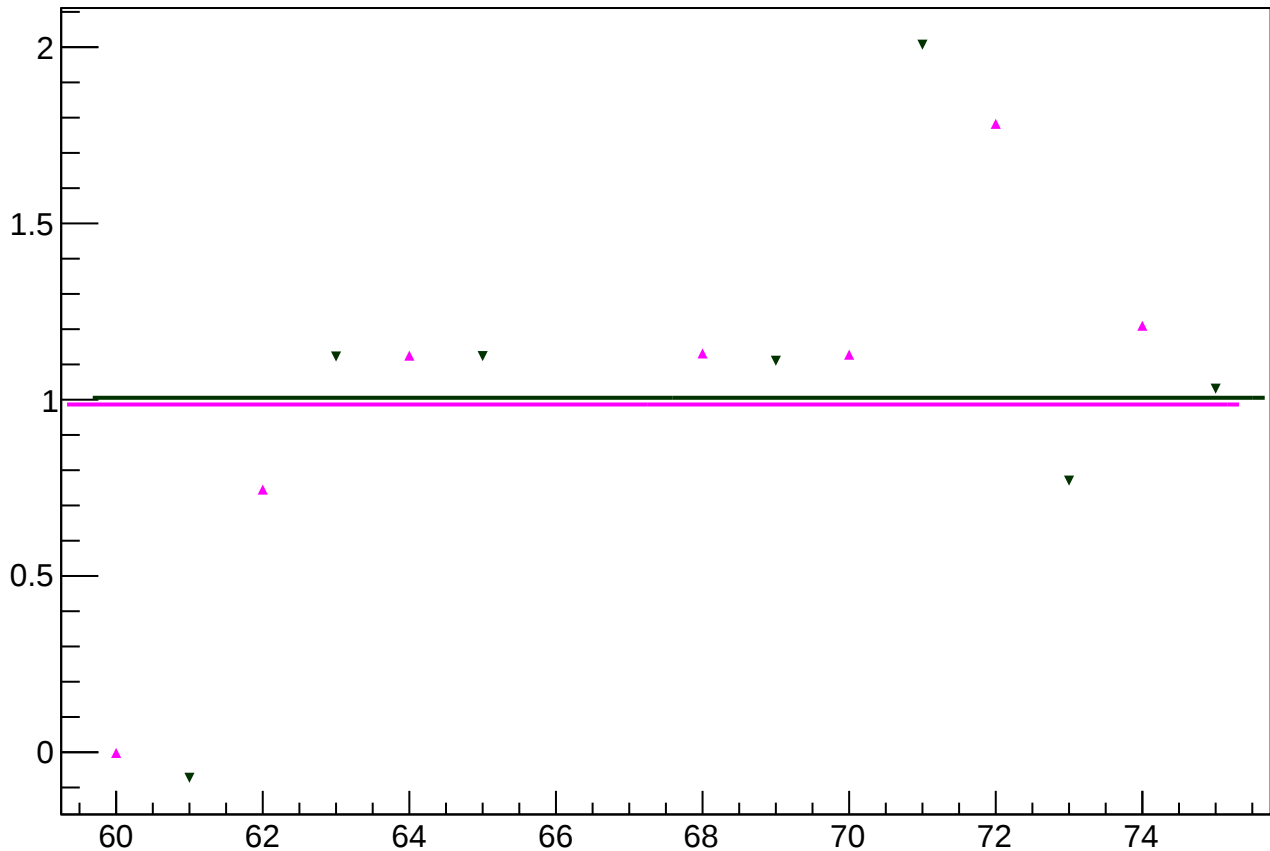
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.070+/-0.000     $\chi^2/\text{NDF}$ : 710482.6/6

0.078+/-0.000     $\chi^2/\text{NDF}$ : 386325.1/6

0.070+/-0.000     $\chi^2/\text{NDF}$ : 710482.6/6

yield\_bpm11X\_mean vs slug



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

Left Out: 1.005+/-0.000     $\chi^2/\text{NDF}$ :1384774737.6/6

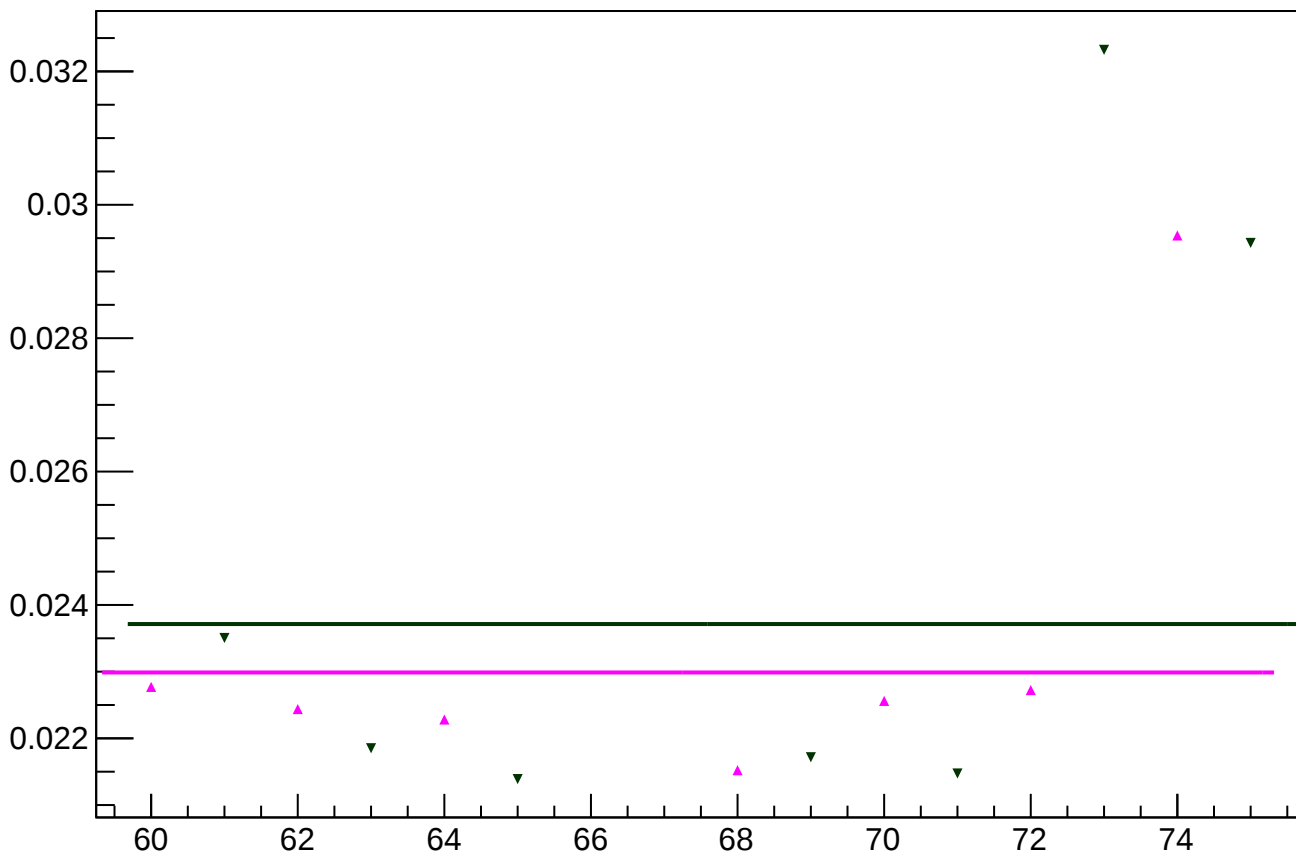
1.005+/-0.000     $\chi^2/\text{NDF}$ : 1384774737.6/6

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

0.986+/-0.000     $\chi^2/\text{NDF}$ : 1580976638.0/6

Left In: 0.986+/-0.000     $\chi^2/\text{NDF}$ :1580976638.0/6

# yield\_bpm11X\_rms vs slug



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

Left Out: 0.024+/-0.000  $\chi^2/\text{NDF}$ :132838.8/6

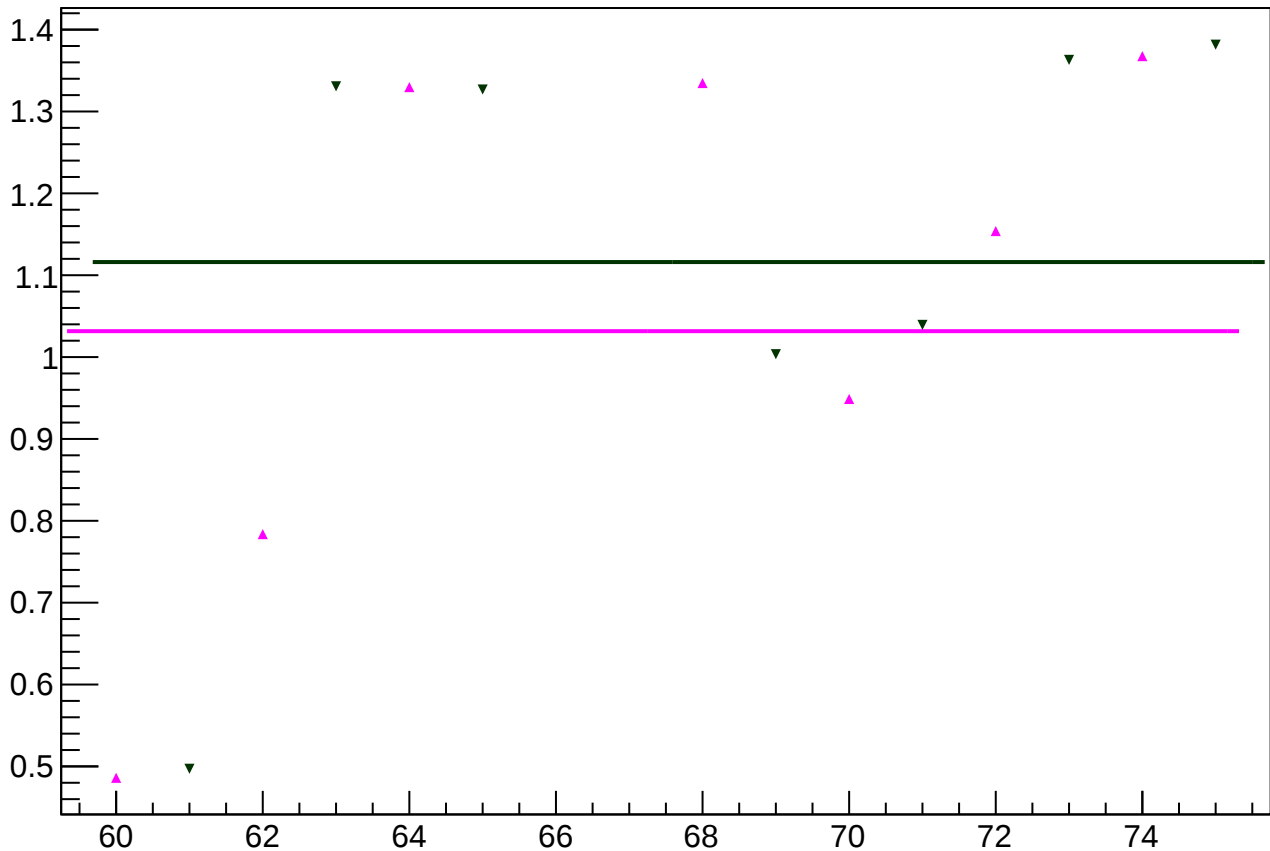
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.023+/-0.000  $\chi^2/\text{NDF}$ :51195.3/6

0.024+/-0.000  $\chi^2/\text{NDF}$ : 132838.8/6

0.023+/-0.000  $\chi^2/\text{NDF}$ : 51195.3/6

# yield\_bpm11Y\_mean vs slug



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

Left Out: 1.116+/-0.000  $\chi^2/\text{NDF}$ : 33349958819.7/6

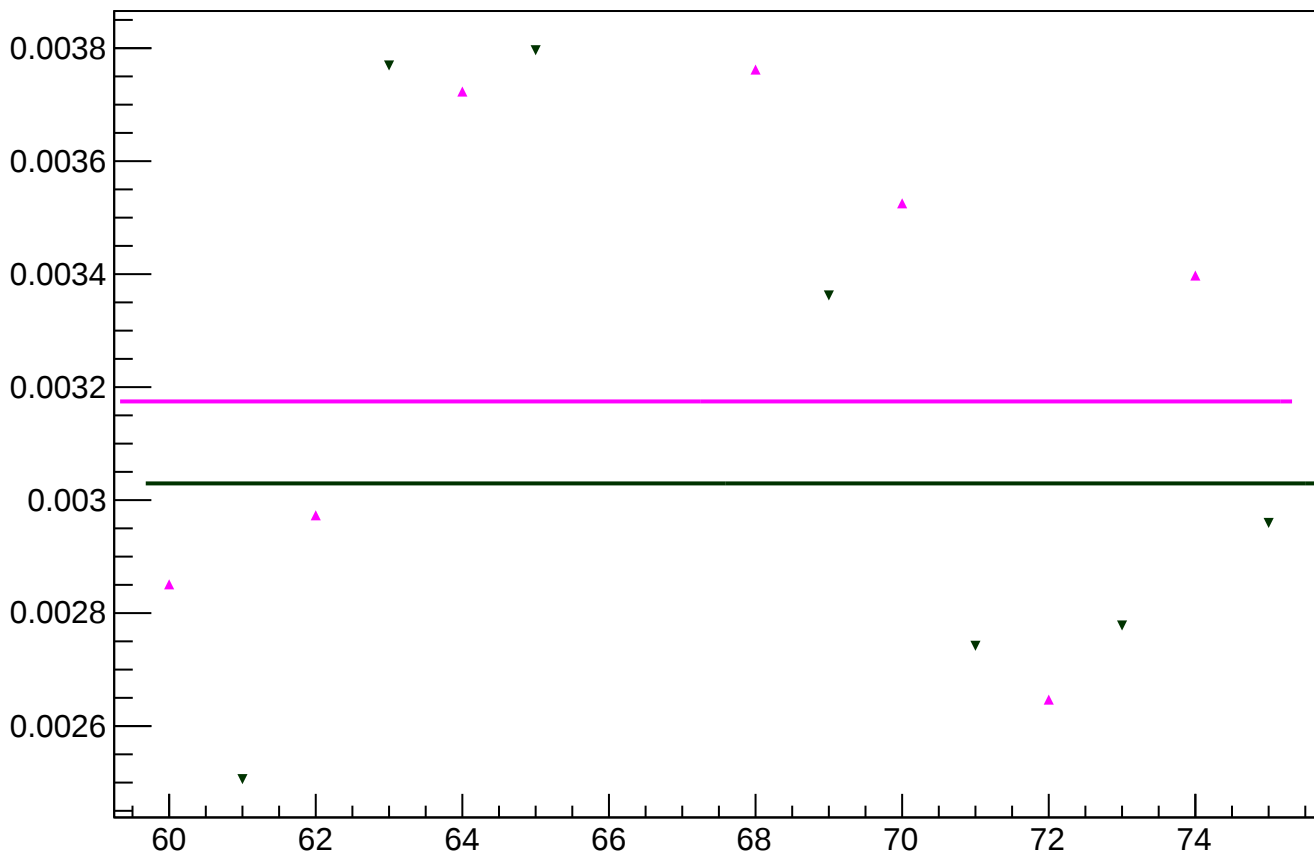
1.116+/-0.000  $\chi^2/\text{NDF}$ : 33349958819.7/6

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

1.032+/-0.000  $\chi^2/\text{NDF}$ : 28714180236.1/6

Left In: 1.032+/-0.000  $\chi^2/\text{NDF}$ : 28714180236.1/6

# yield\_bpm11Y\_rms vs slug



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

Left Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ :123269.8/6

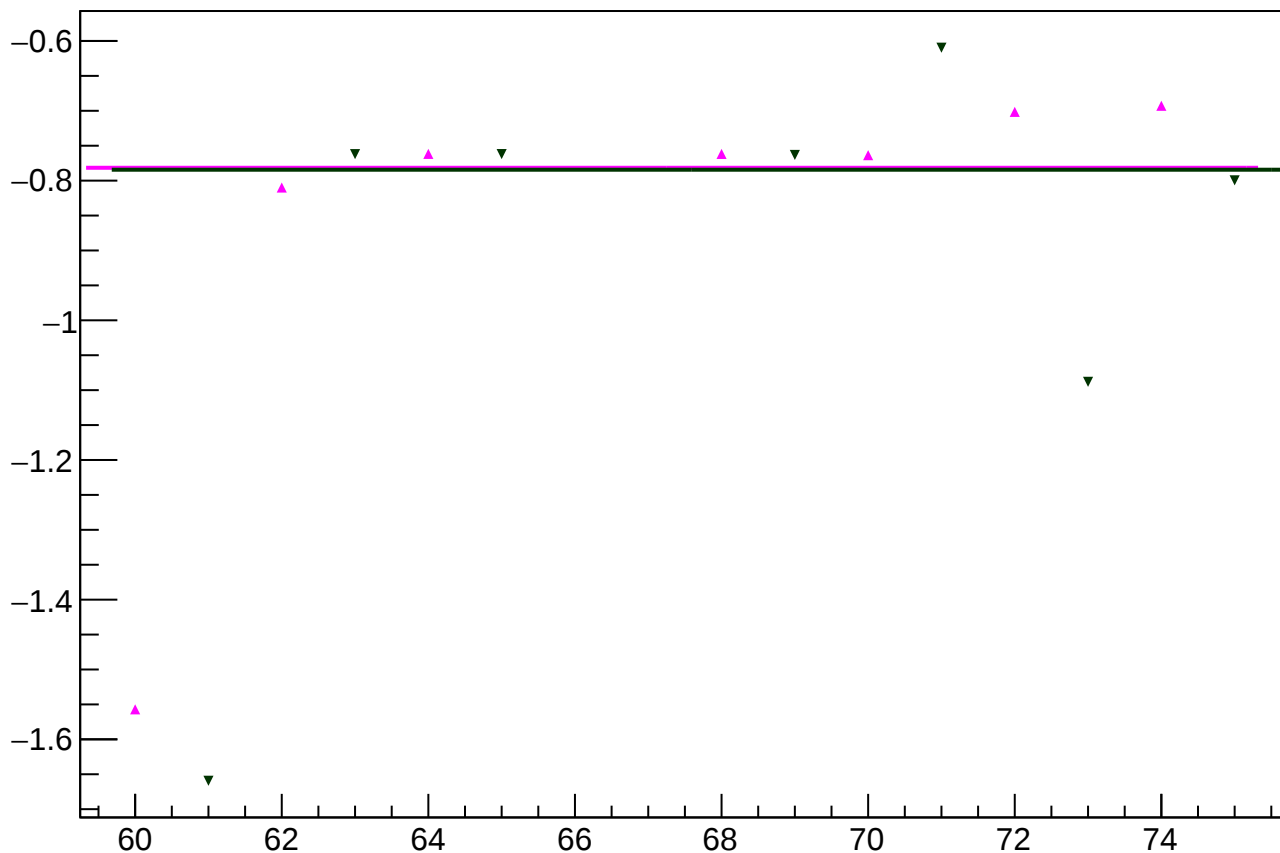
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.003+/-0.000  $\chi^2/\text{NDF}$ :103087.0/6

0.003+/-0.000  $\chi^2/\text{NDF}$ : 123269.8/6

0.003+/-0.000  $\chi^2/\text{NDF}$ : 103087.0/6

# yield\_bpm12X\_mean vs slug



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

Left Out: -0.784+/-0.000  $\chi^2/\text{NDF}$ : 523776891.6/6

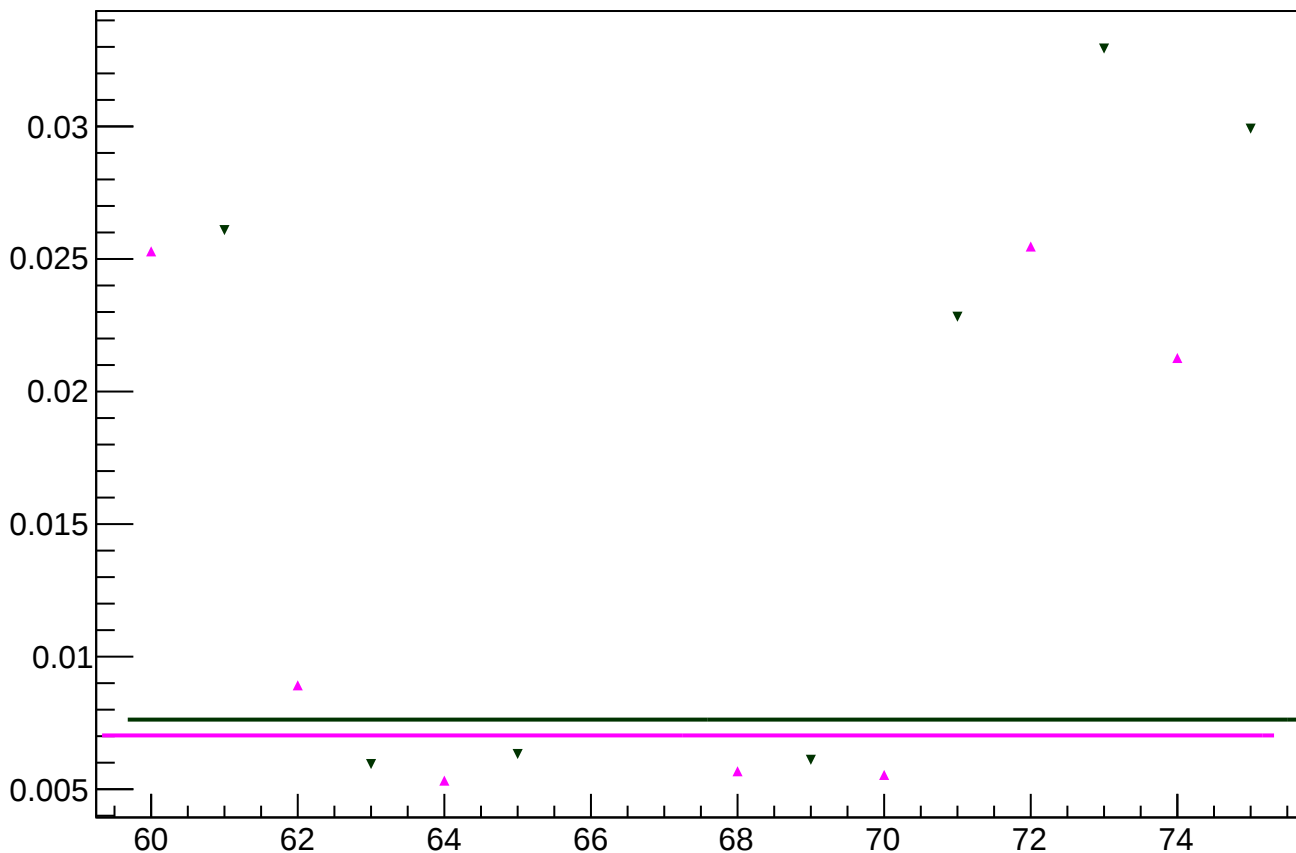
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.782+/-0.000  $\chi^2/\text{NDF}$ : 518330467.9/6

-0.784+/-0.000  $\chi^2/\text{NDF}$ : 523776891.6/6

-0.782+/-0.000  $\chi^2/\text{NDF}$ : 518330467.9/6

# yield\_bpm12X\_rms vs slug



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

Left Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ :1837811.8/6

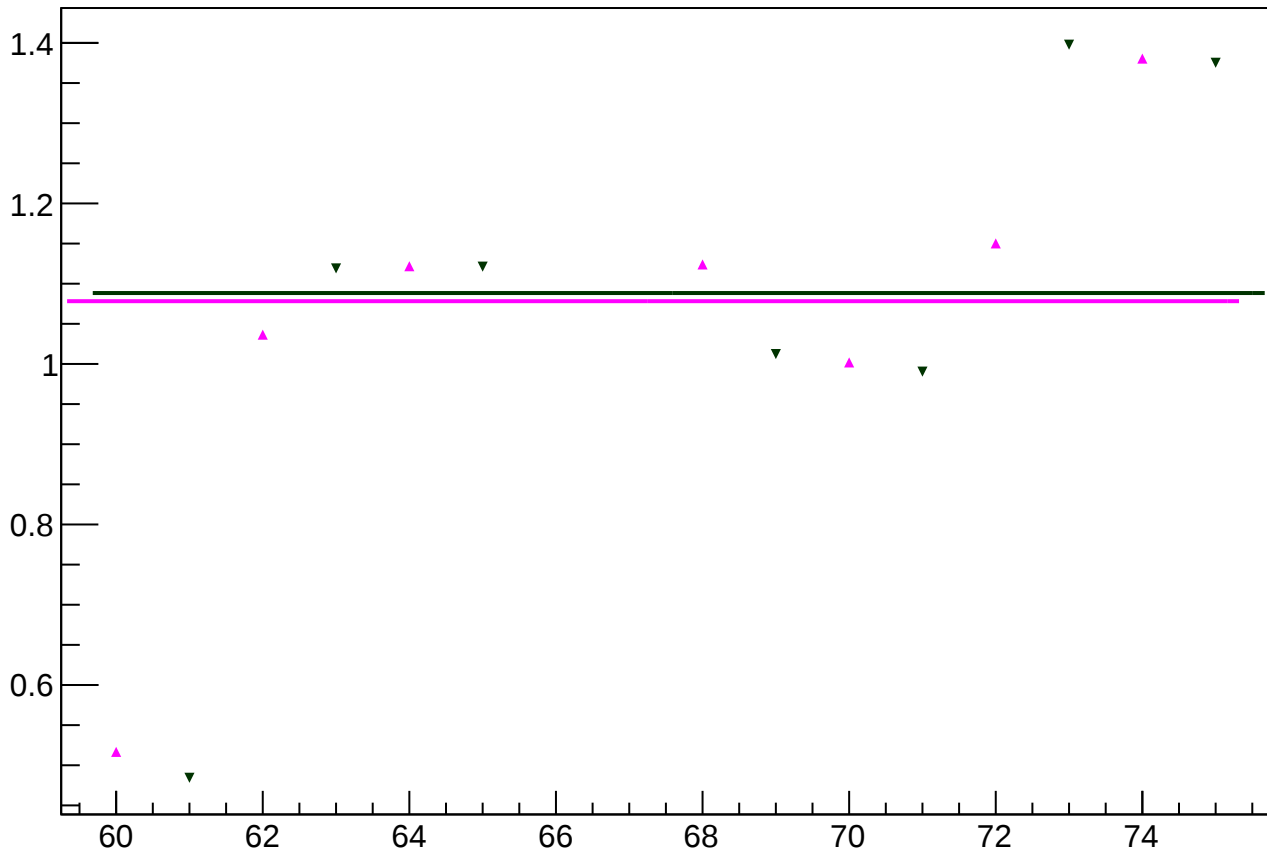
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.007+/-0.000  $\chi^2/\text{NDF}$ :1545188.1/6

0.008+/-0.000  $\chi^2/\text{NDF}$ : 1837811.8/6

0.007+/-0.000  $\chi^2/\text{NDF}$ : 1545188.1/6

yield\_bpm12Y\_mean vs slug



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

Left Out: 1.088+/-0.000  $\chi^2/\text{NDF}$ : 1246094098.1/6

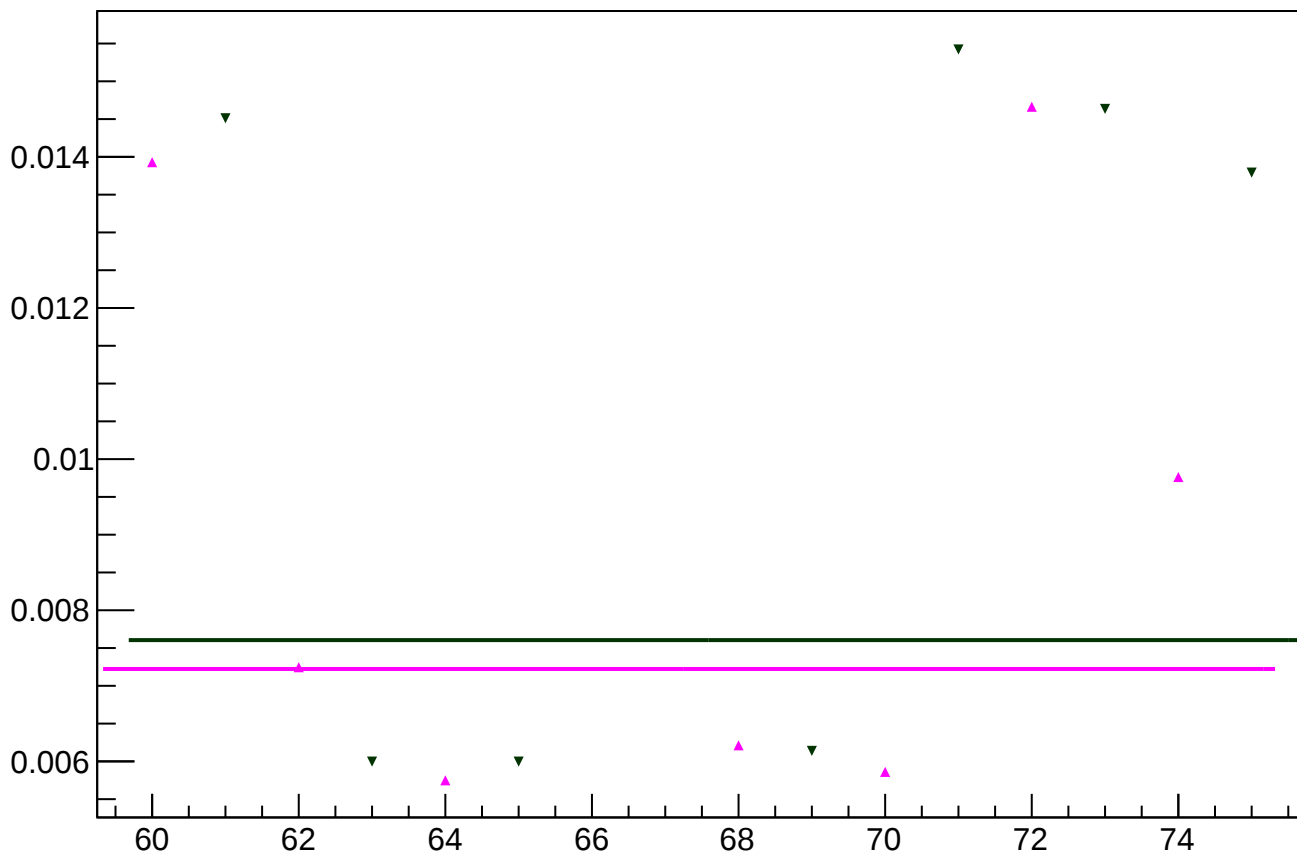
1.088+/-0.000  $\chi^2/\text{NDF}$ : 1246094098.1/6

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

1.078+/-0.000  $\chi^2/\text{NDF}$ : 1387374830.3/6

Left In: 1.078+/-0.000  $\chi^2/\text{NDF}$ : 1387374830.3/6

# yield\_bpm12Y\_rms vs slug



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

Left Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 881670.3/6

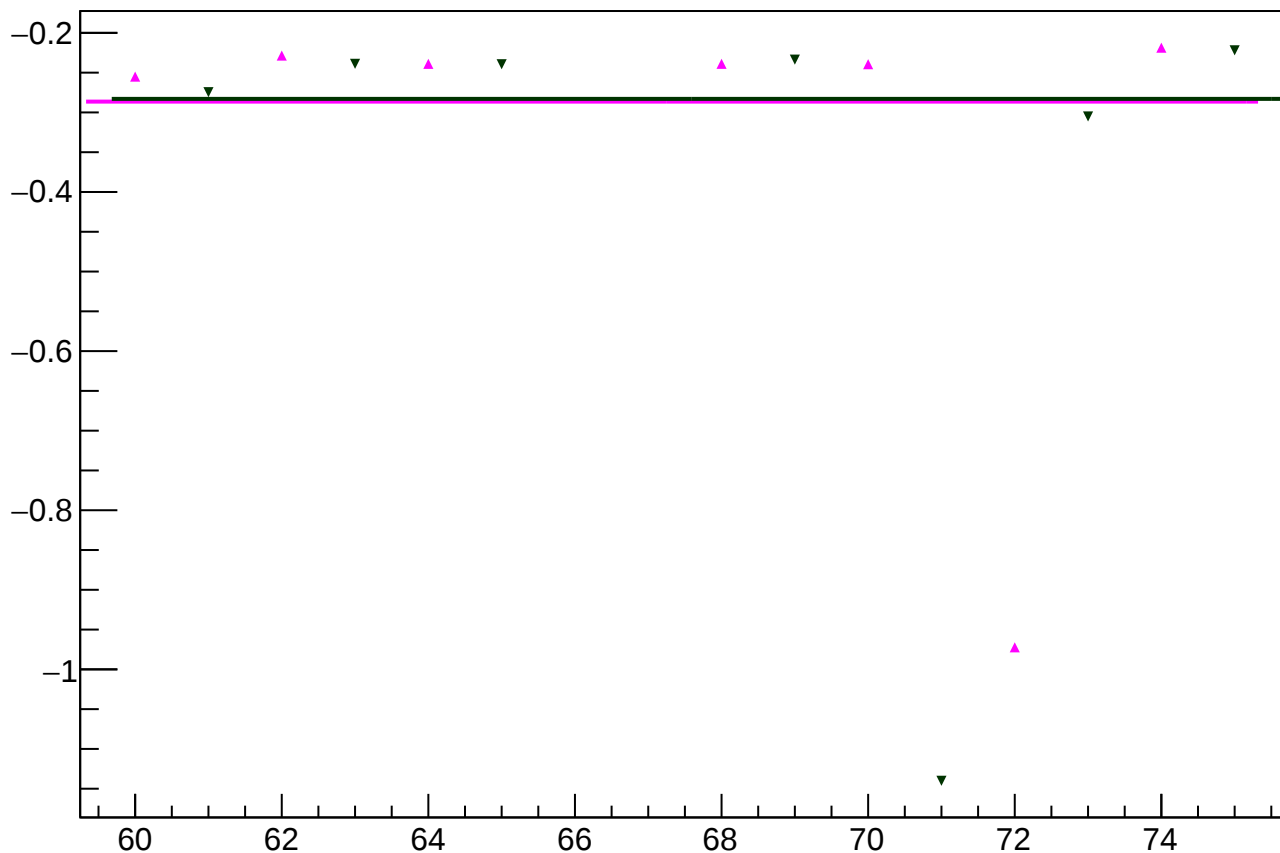
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 633073.2/6

0.008+/-0.000  $\chi^2/\text{NDF}$ : 881670.3/6

0.007+/-0.000  $\chi^2/\text{NDF}$ : 633073.2/6

# yield\_bpm16X\_mean vs slug



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

Left Out: -0.283+/-0.000  $\chi^2/\text{NDF}$ : 2619597721.7/6

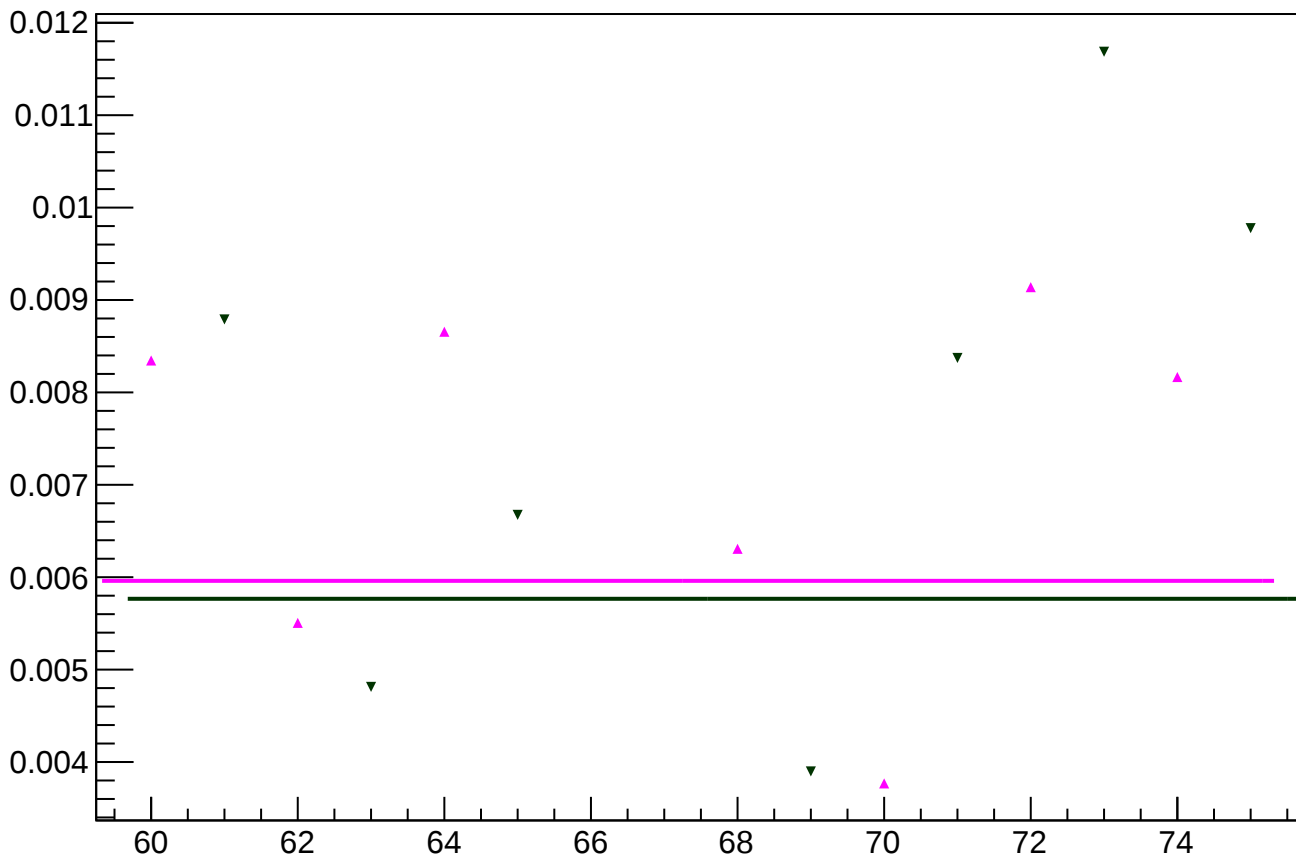
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.286+/-0.000  $\chi^2/\text{NDF}$ : 2611852559.5/6

-0.283+/-0.000  $\chi^2/\text{NDF}$ : 2619597721.7/6

-0.286+/-0.000  $\chi^2/\text{NDF}$ : 2611852559.5/6

# yield\_bpm16X\_rms vs slug



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

Left Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 803868.5/6

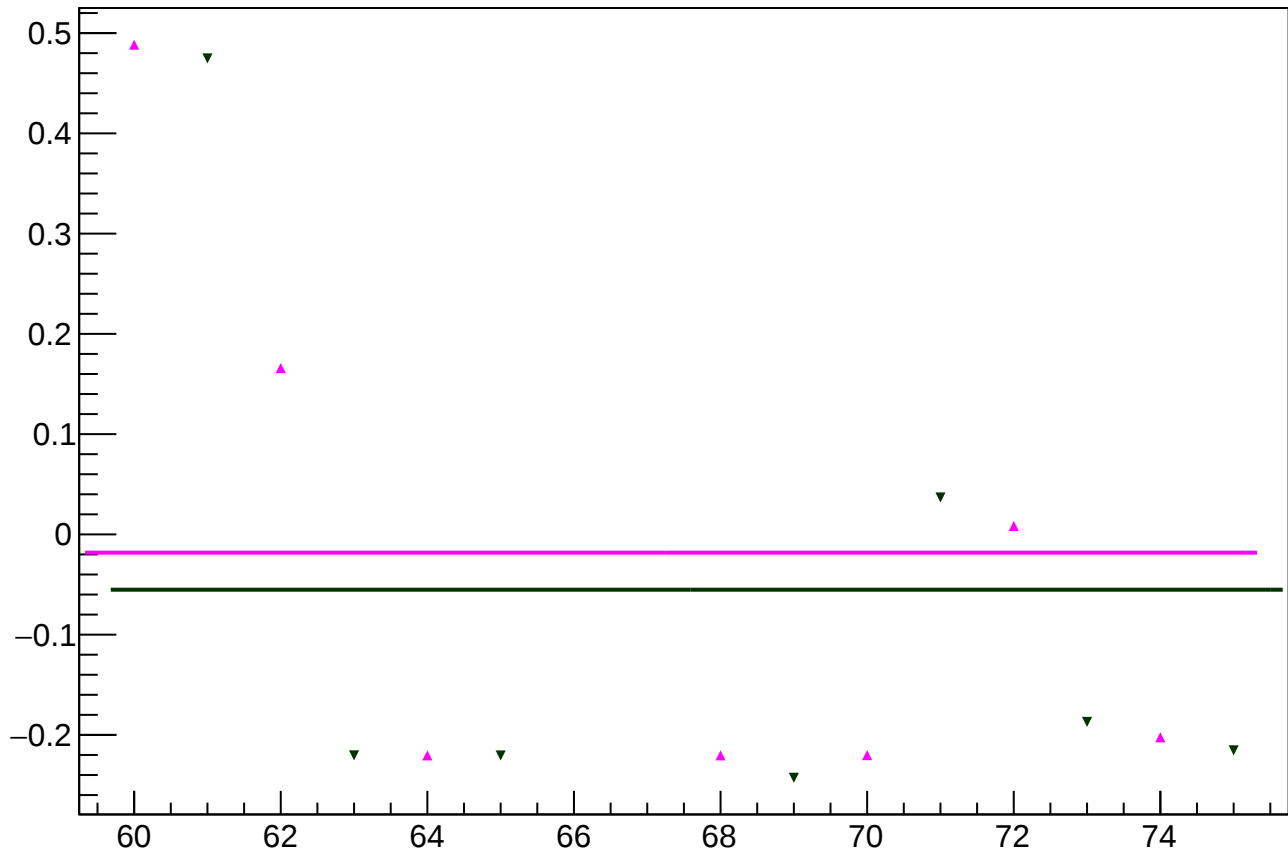
0.006+/-0.000  $\chi^2/\text{NDF}$ : 803868.5/6

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

0.006+/-0.000  $\chi^2/\text{NDF}$ : 590054.5/6

Left In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 590054.5/6

# yield\_bpm16Y\_mean vs slug



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

Left Out: -0.055+/-0.000  $\chi^2/\text{NDF}$ : 31537727924.3/6

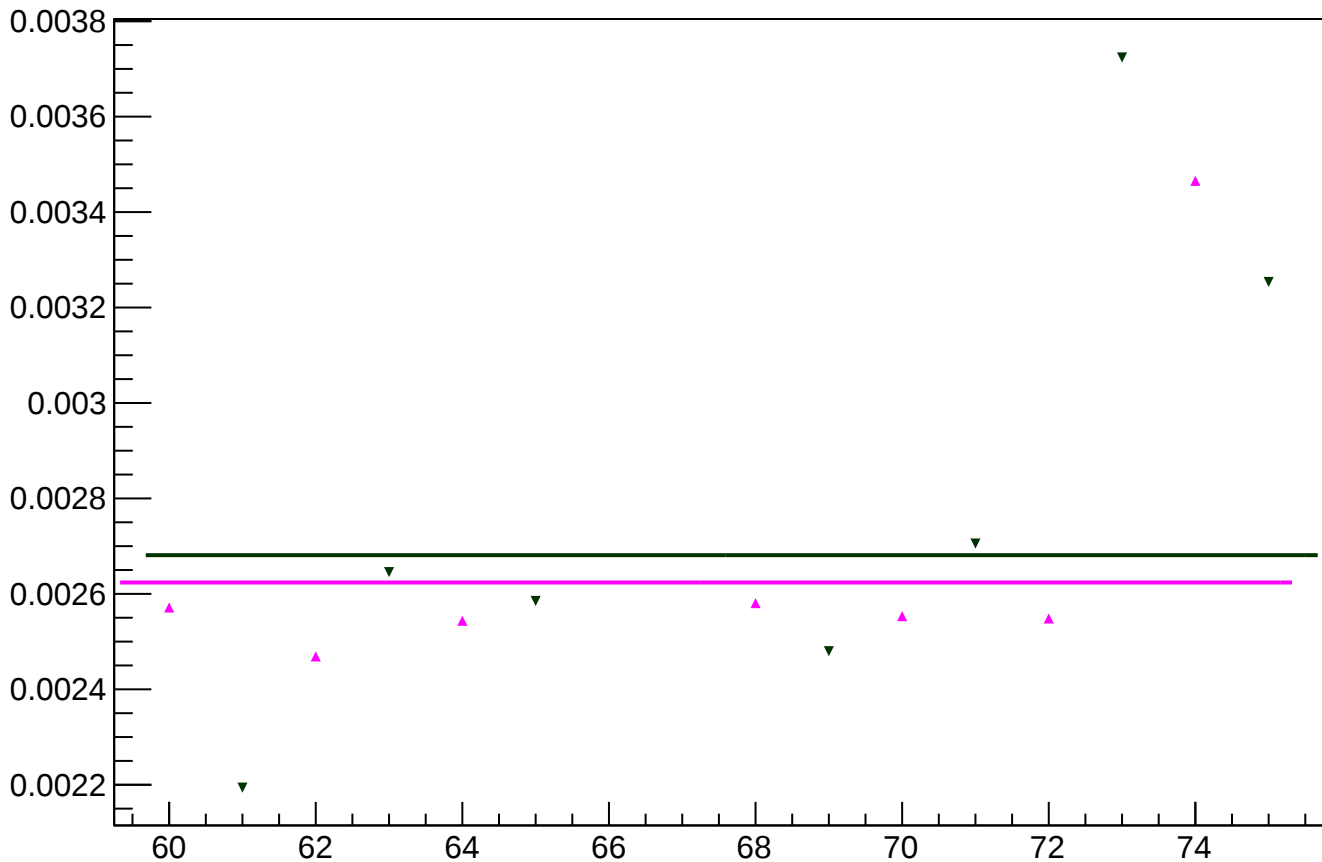
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.018+/-0.000  $\chi^2/\text{NDF}$ : 28881138533.3/6

-0.055+/-0.000  $\chi^2/\text{NDF}$ : 31537727924.3/6

-0.018+/-0.000  $\chi^2/\text{NDF}$ : 28881138533.3/6

# yield\_bpm16Y\_rms vs slug



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

Left Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ :154334.3/6

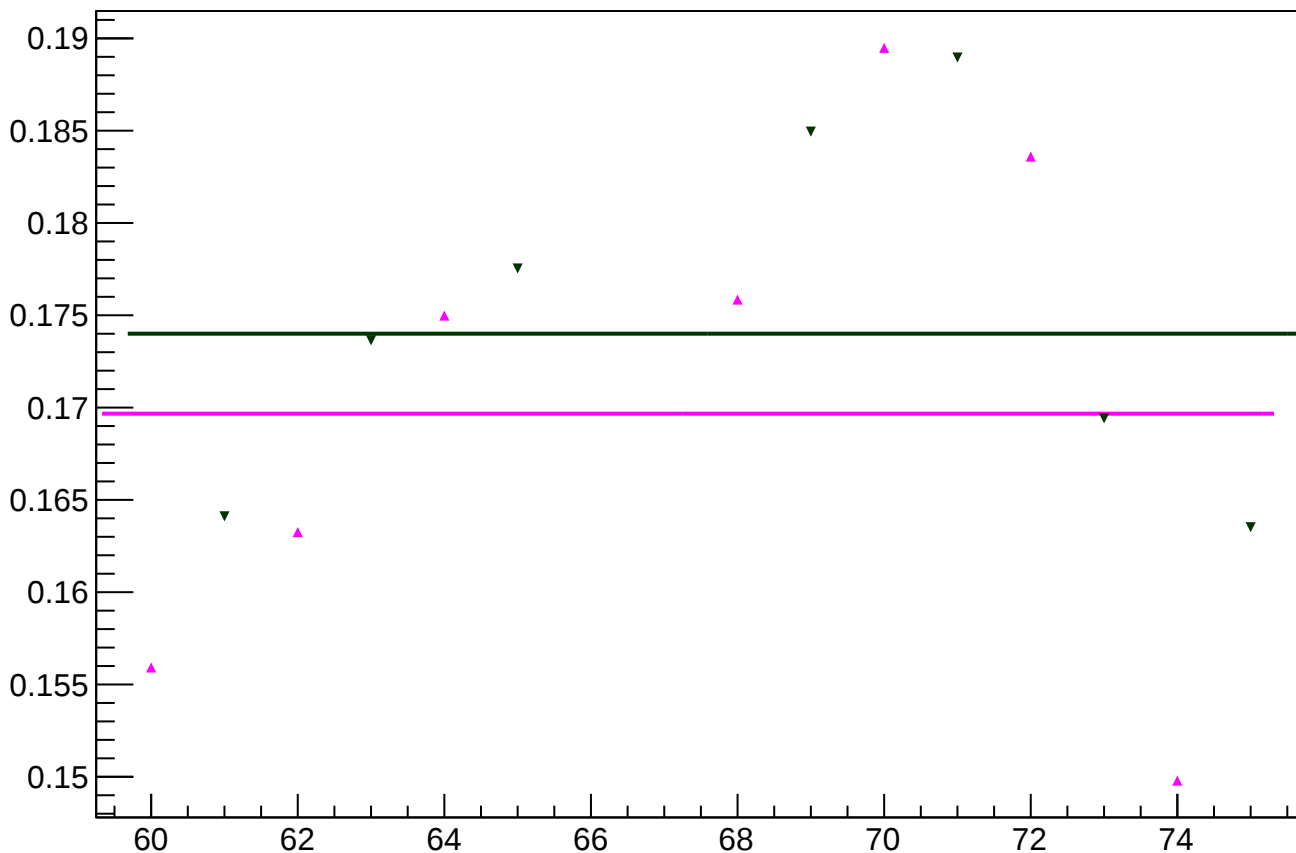
0.003+/-0.000  $\chi^2/\text{NDF}$ : 154334.3/6

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

0.003+/-0.000  $\chi^2/\text{NDF}$ : 61080.8/6

Left In: 0.003+/-0.000  $\chi^2/\text{NDF}$ :61080.8/6

yield\_bpm2i01X\_mean vs slug



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

Left Out: 0.174+/-0.000  $\chi^2/\text{NDF}$ : 2872845.3/6

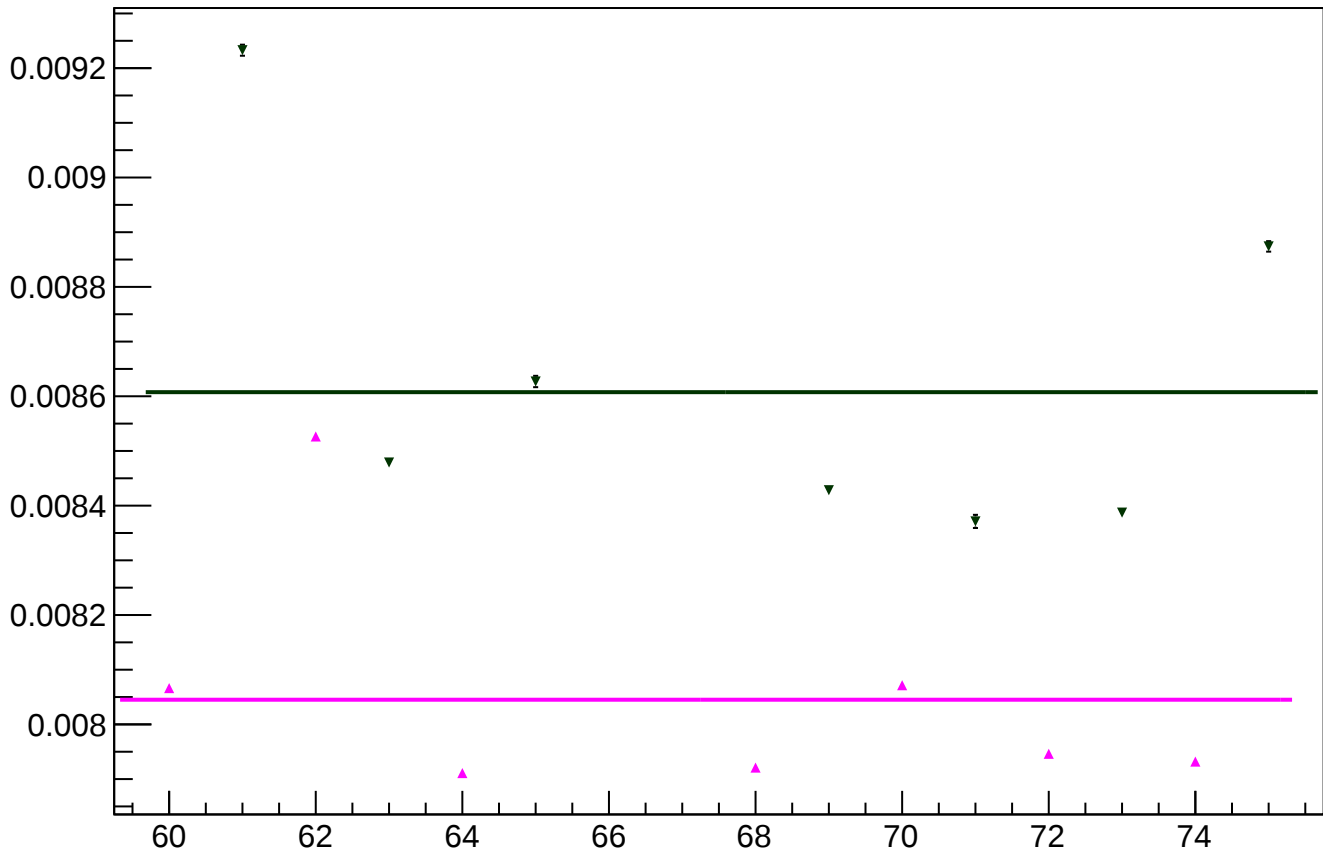
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.170+/-0.000  $\chi^2/\text{NDF}$ : 9296244.3/6

0.174+/-0.000  $\chi^2/\text{NDF}$ : 2872845.3/6

0.170+/-0.000  $\chi^2/\text{NDF}$ : 9296244.3/6

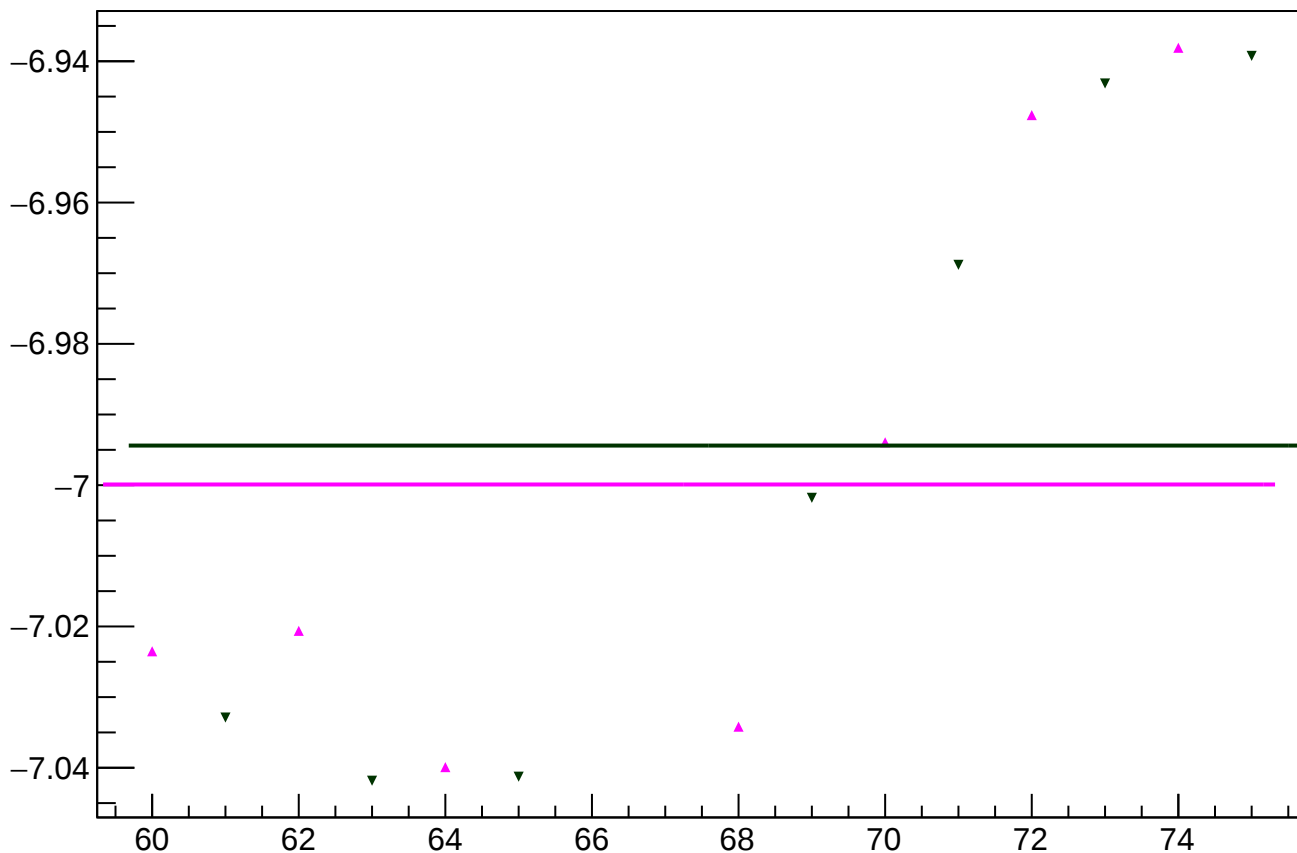
# yield\_bpm2i01X\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 6379.7/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 3837.0/6

0.009+/-0.000  $\chi^2/\text{NDF}$ : 6379.7/6  
 0.008+/-0.000  $\chi^2/\text{NDF}$ : 3837.0/6

# yield\_bpm2i01Y\_mean vs slug



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

Left Out: -6.994+/-0.000  $\chi^2/\text{NDF}$ : 82882449.3/6

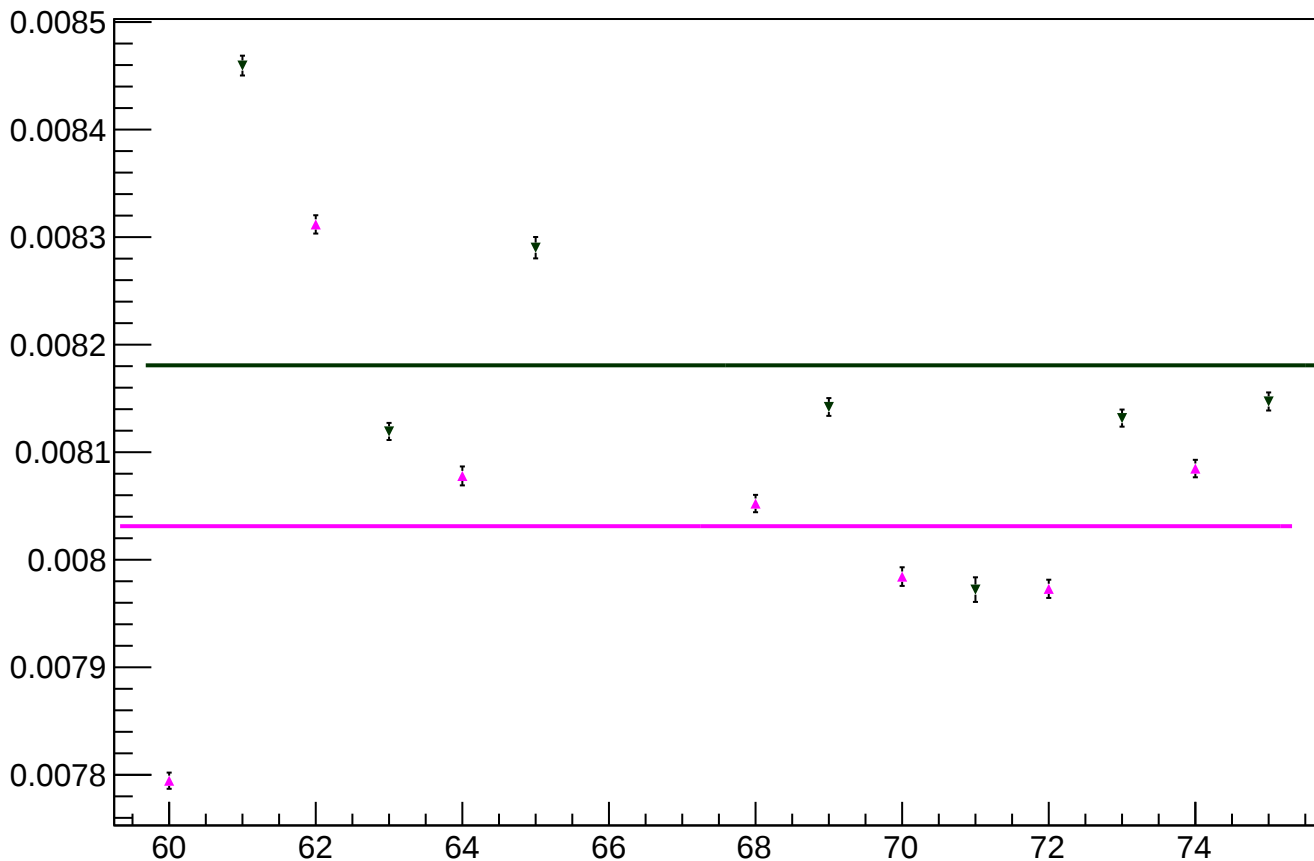
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -7.000+/-0.000  $\chi^2/\text{NDF}$ : 75470276.3/6

-6.994+/-0.000  $\chi^2/\text{NDF}$ : 82882449.3/6

-7.000+/-0.000  $\chi^2/\text{NDF}$ : 75470276.3/6

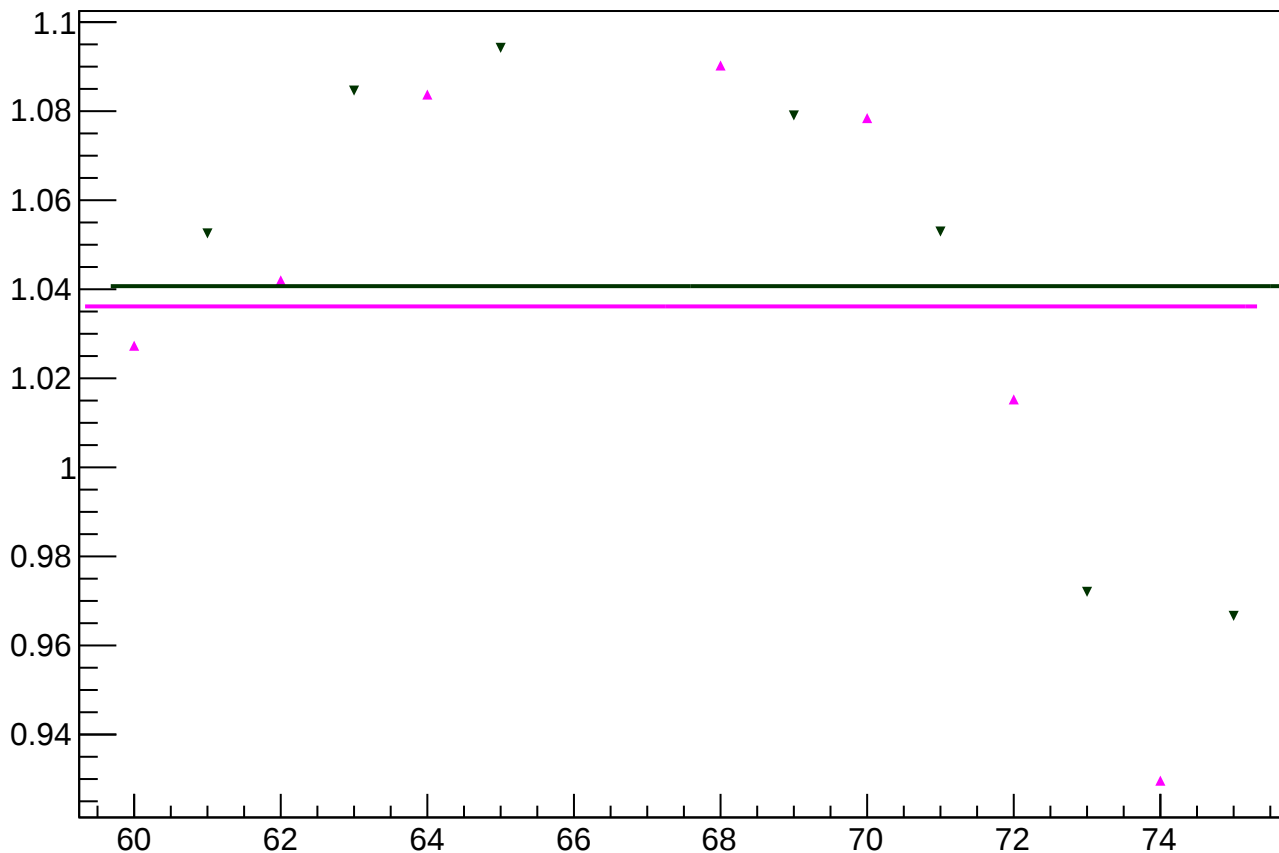
# yield\_bpm2i01Y\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ :1502.9/6  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.008+/-0.000  $\chi^2/\text{NDF}$ :2228.6/6

0.008+/-0.000  $\chi^2/\text{NDF}$ : 1502.9/6  
0.008+/-0.000  $\chi^2/\text{NDF}$ : 2228.6/6

# yield\_bpm2i02X\_mean vs slug



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

Left Out: 1.041+/-0.000  $\chi^2/\text{NDF}$ :14170462.1/6

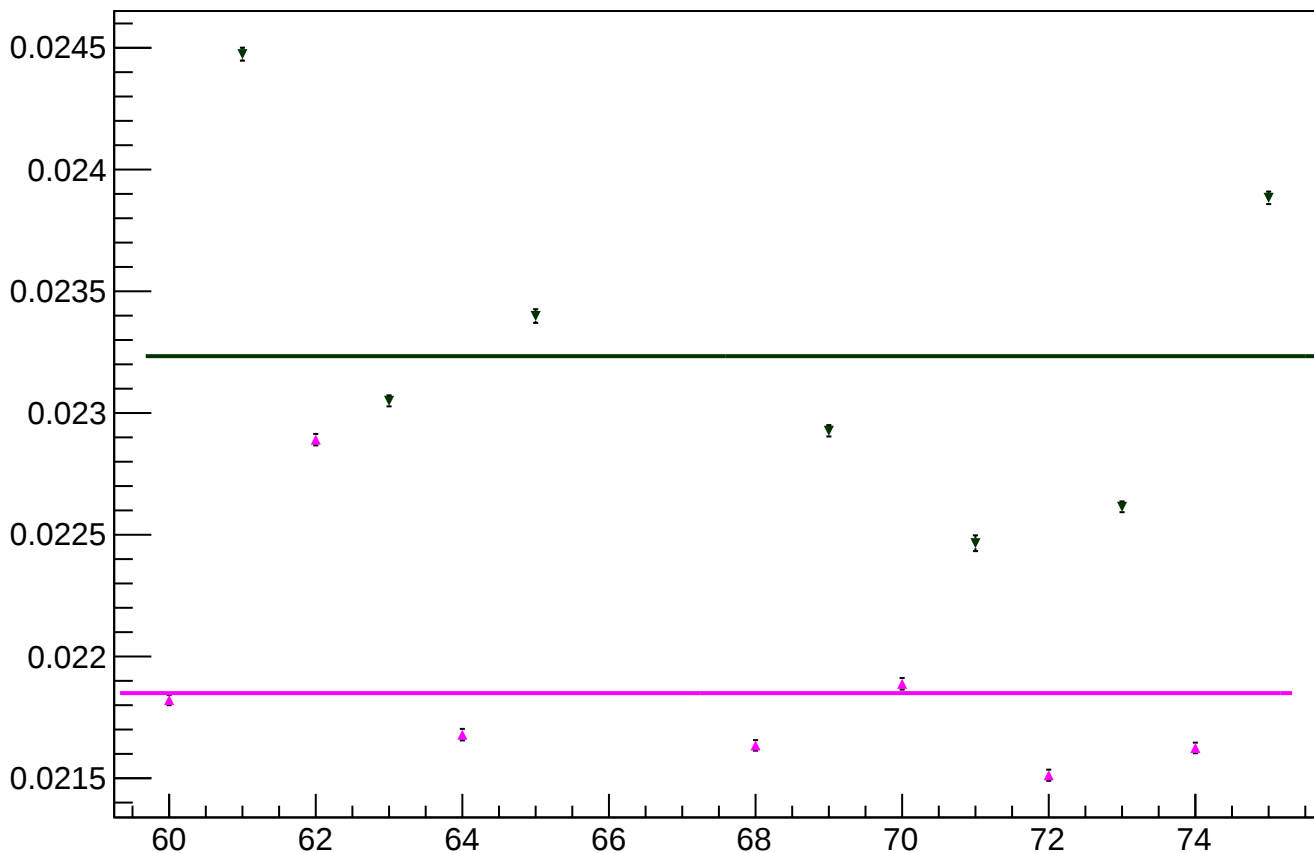
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.036+/-0.000  $\chi^2/\text{NDF}$ :19234972.5/6

1.041+/-0.000  $\chi^2/\text{NDF}$ : 14170462.1/6

1.036+/-0.000  $\chi^2/\text{NDF}$ : 19234972.5/6

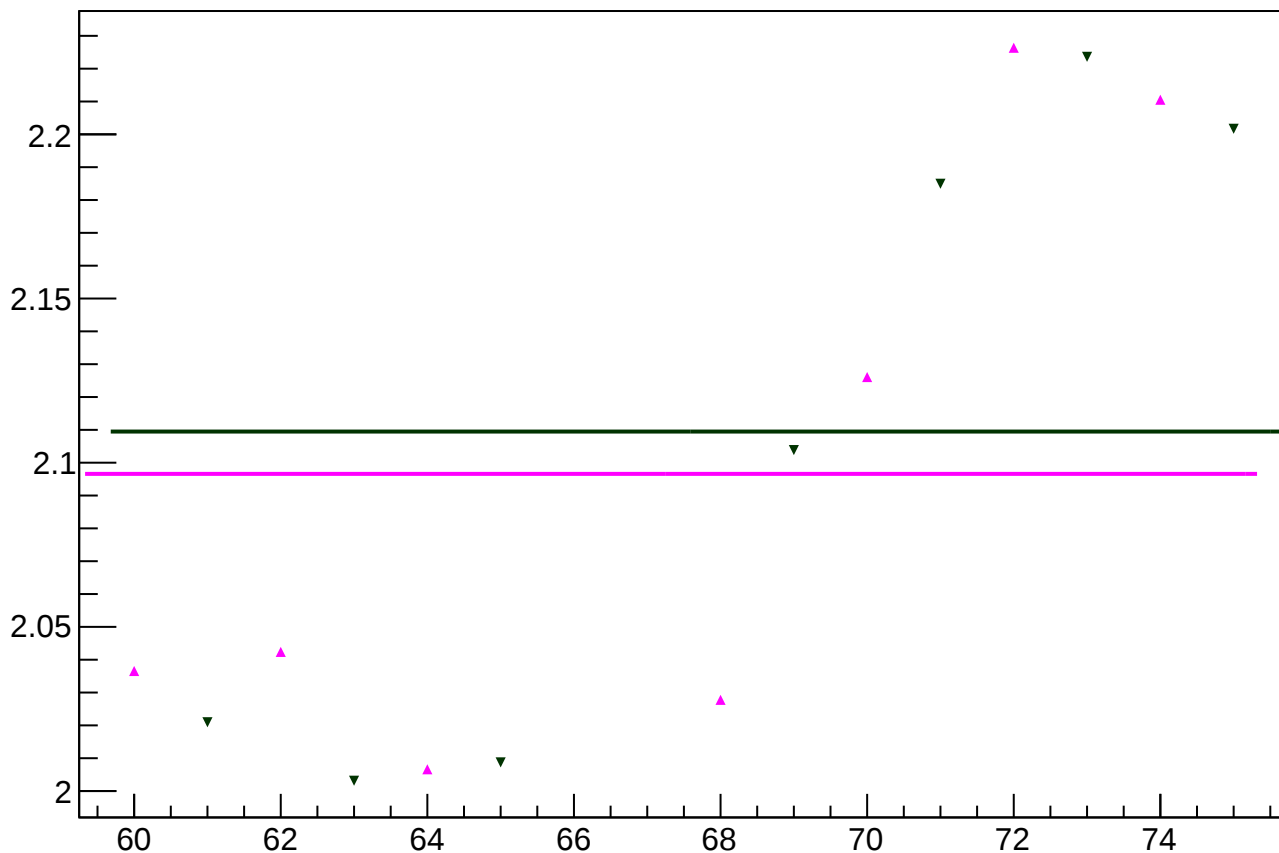
# yield\_bpm2i02X\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.023+/-0.000  $\chi^2/\text{NDF}$ : 4405.1/6  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.022+/-0.000  $\chi^2/\text{NDF}$ : 2431.9/6

0.023+/-0.000  $\chi^2/\text{NDF}$ : 4405.1/6  
0.022+/-0.000  $\chi^2/\text{NDF}$ : 2431.9/6

# yield\_bpm2i02Y\_mean vs slug



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

Left Out: 2.109+/-0.000  $\chi^2/\text{NDF}$ : 117254562.5/6

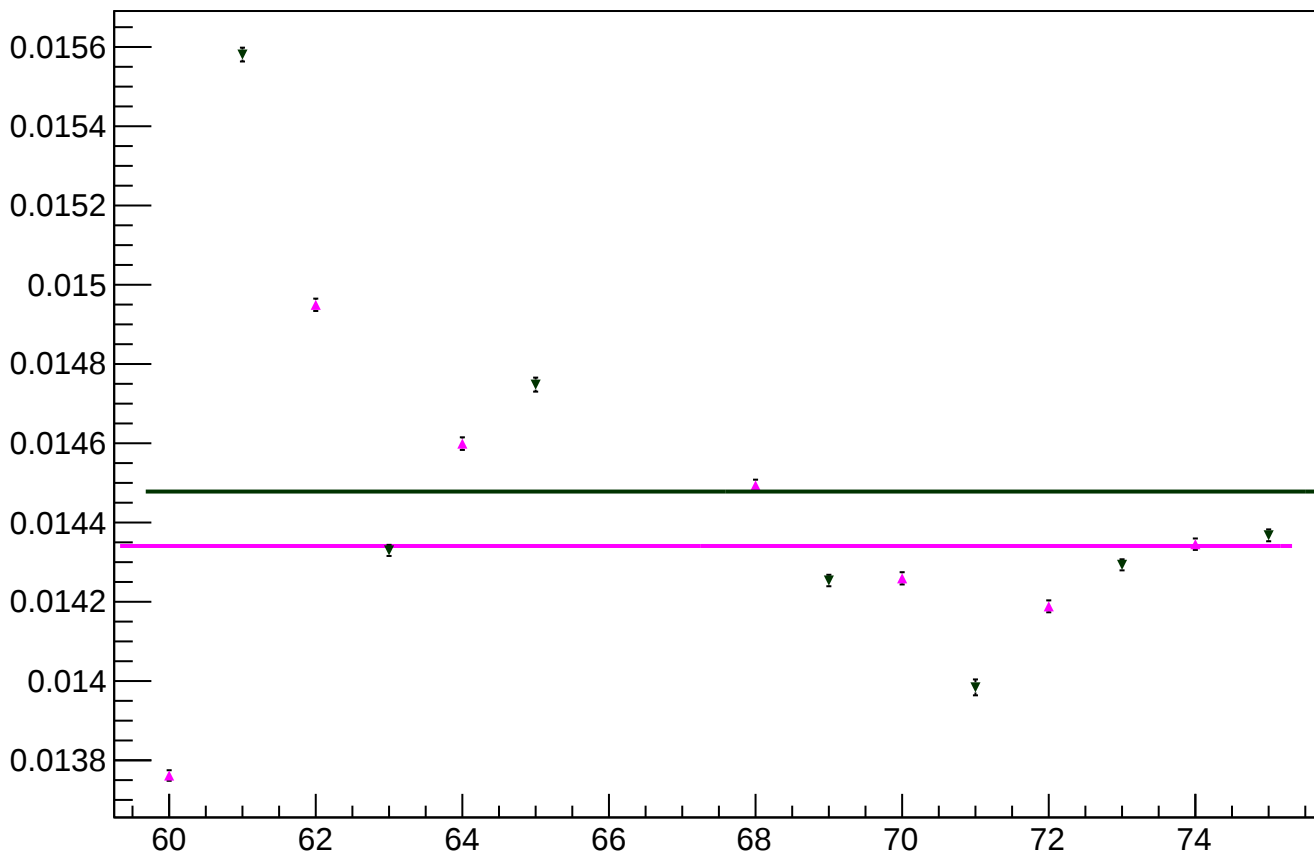
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2.097+/-0.000  $\chi^2/\text{NDF}$ : 113462301.7/6

2.109+/-0.000  $\chi^2/\text{NDF}$ : 117254562.5/6

2.097+/-0.000  $\chi^2/\text{NDF}$ : 113462301.7/6

# yield\_bpm2i02Y\_rms vs slug



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

Left Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 5421.7/6

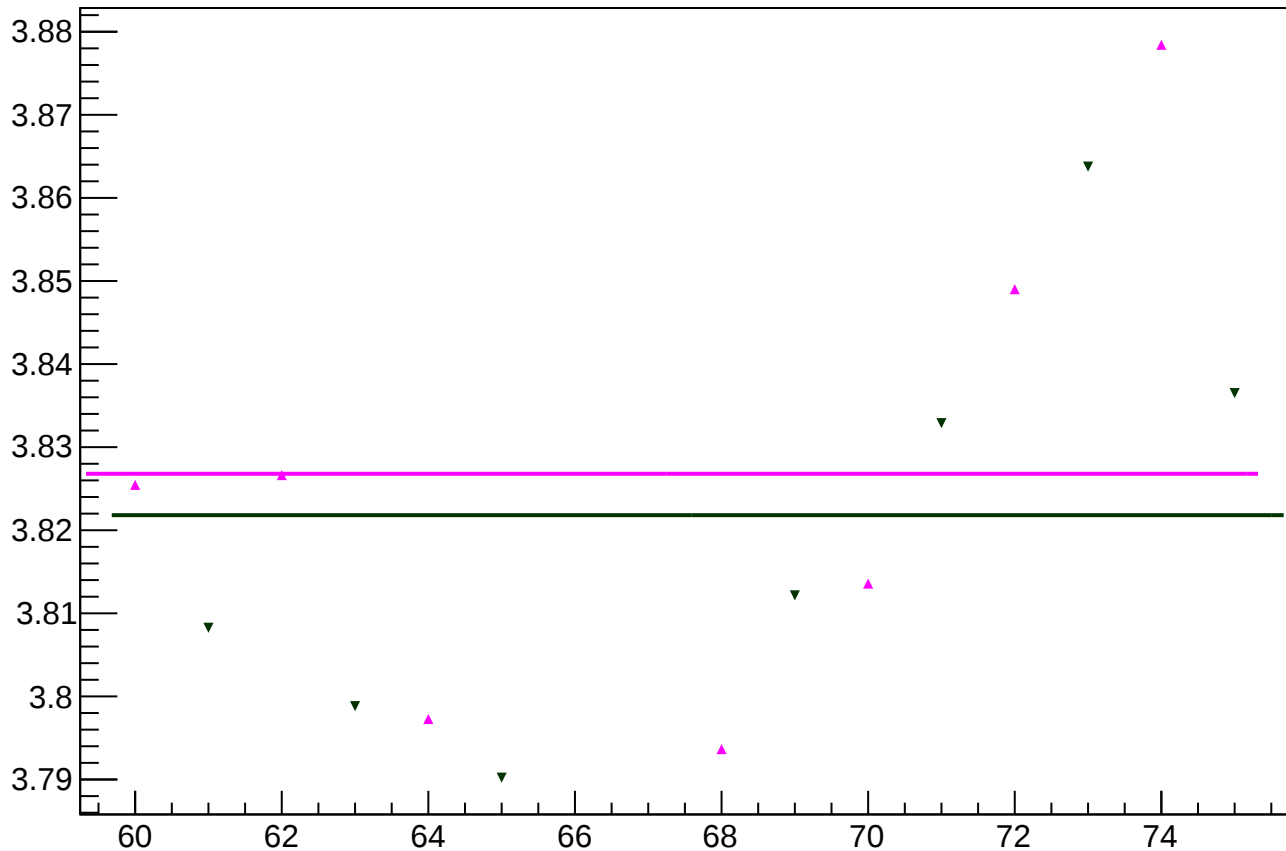
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 3913.5/6

0.014+/-0.000  $\chi^2/\text{NDF}$ : 5421.7/6

0.014+/-0.000  $\chi^2/\text{NDF}$ : 3913.5/6

# yield\_bpm1i04X\_mean vs slug



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

Left Out: 3.822+/-0.000  $\chi^2/\text{NDF}$ : 24815589.7/6

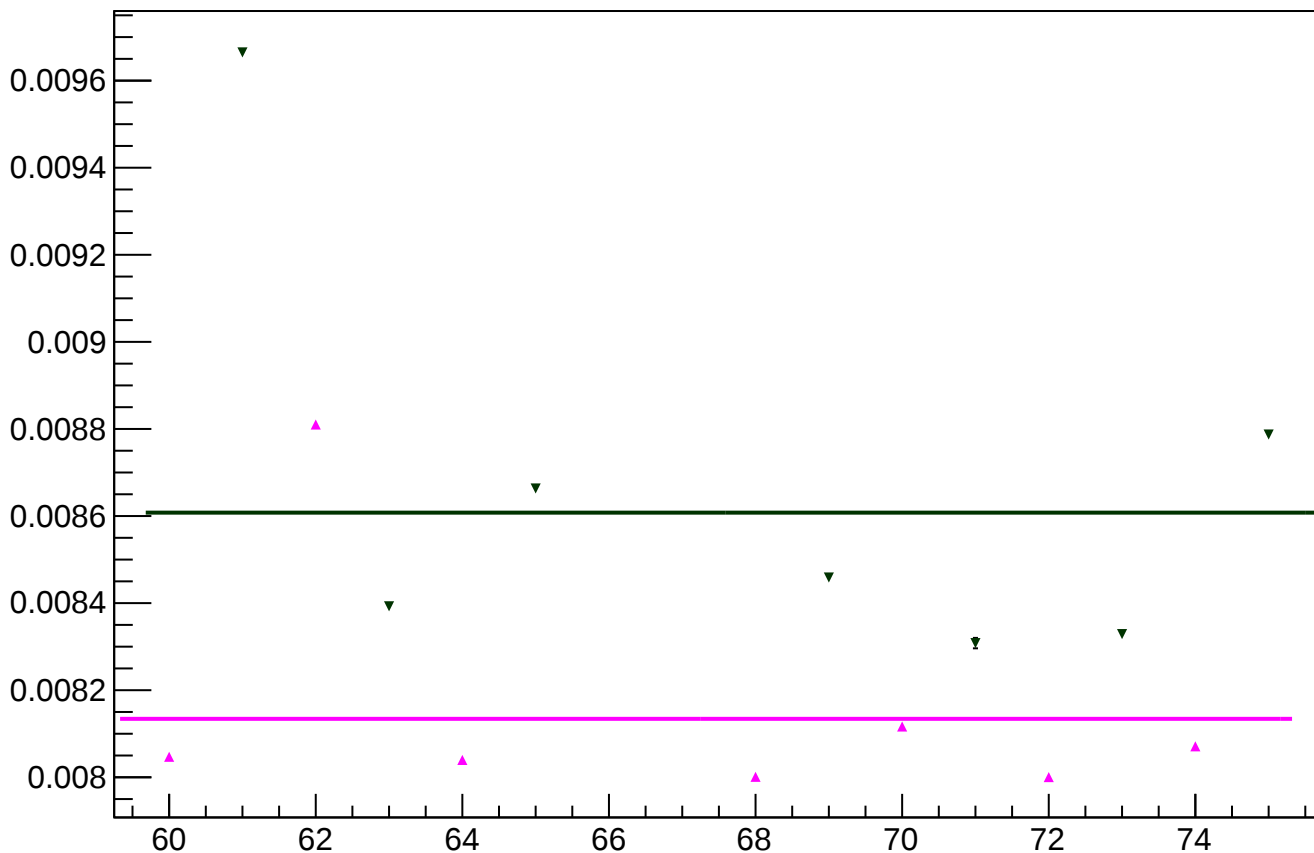
3.822+/-0.000  $\chi^2/\text{NDF}$ : 24815589.7/6

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

3.827+/-0.000  $\chi^2/\text{NDF}$ : 38978048.9/6

Left In: 3.827+/-0.000  $\chi^2/\text{NDF}$ : 38978048.9/6

# yield\_bpm1i04X\_rms vs slug



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

Left Out: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 12621.5/6

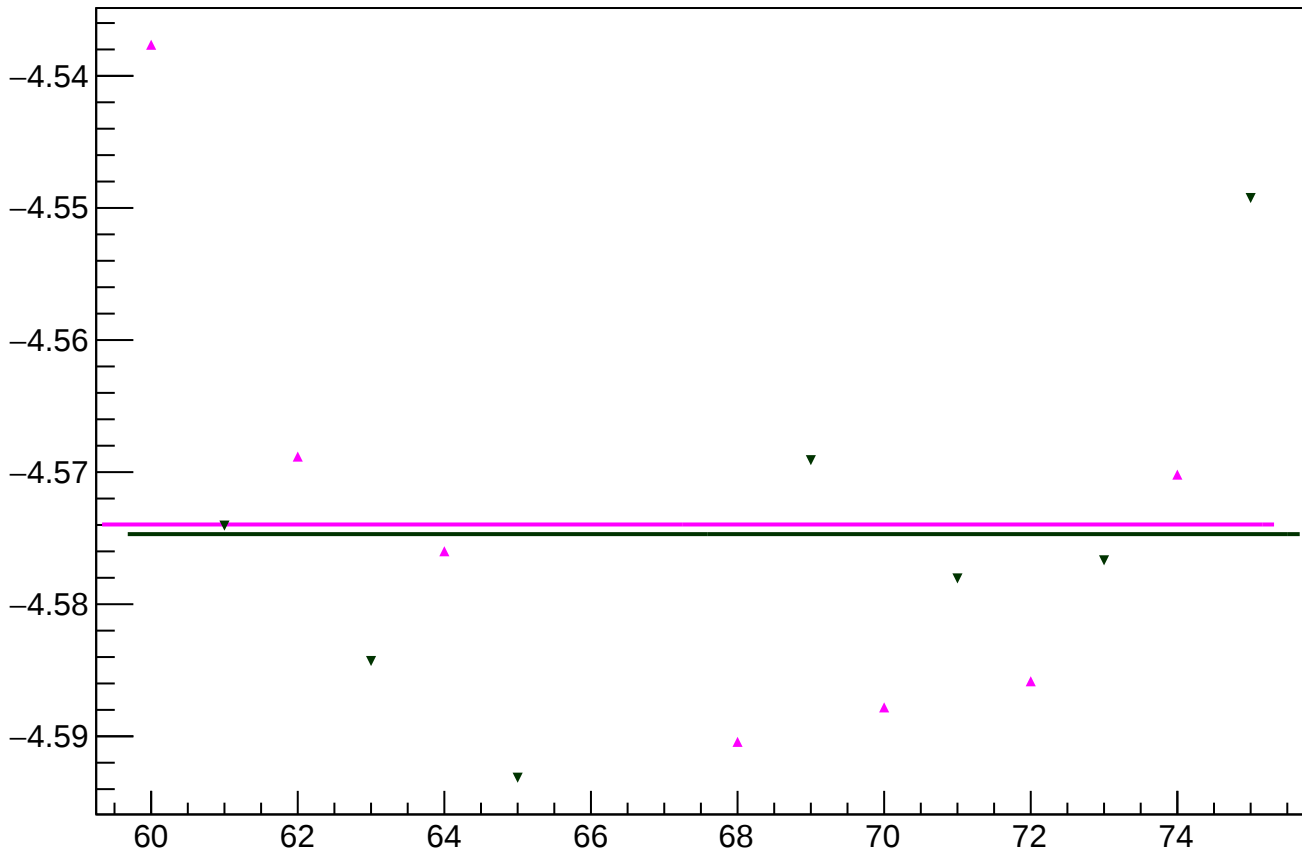
0.009+/-0.000  $\chi^2/\text{NDF}$ : 12621.5/6

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

0.008+/-0.000  $\chi^2/\text{NDF}$ : 6057.5/6

Left In: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 6057.5/6

# yield\_bpm1i04Y\_mean vs slug



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

Left Out: -4.575+/-0.000  $\chi^2/\text{NDF}$ : 25683526.1/6

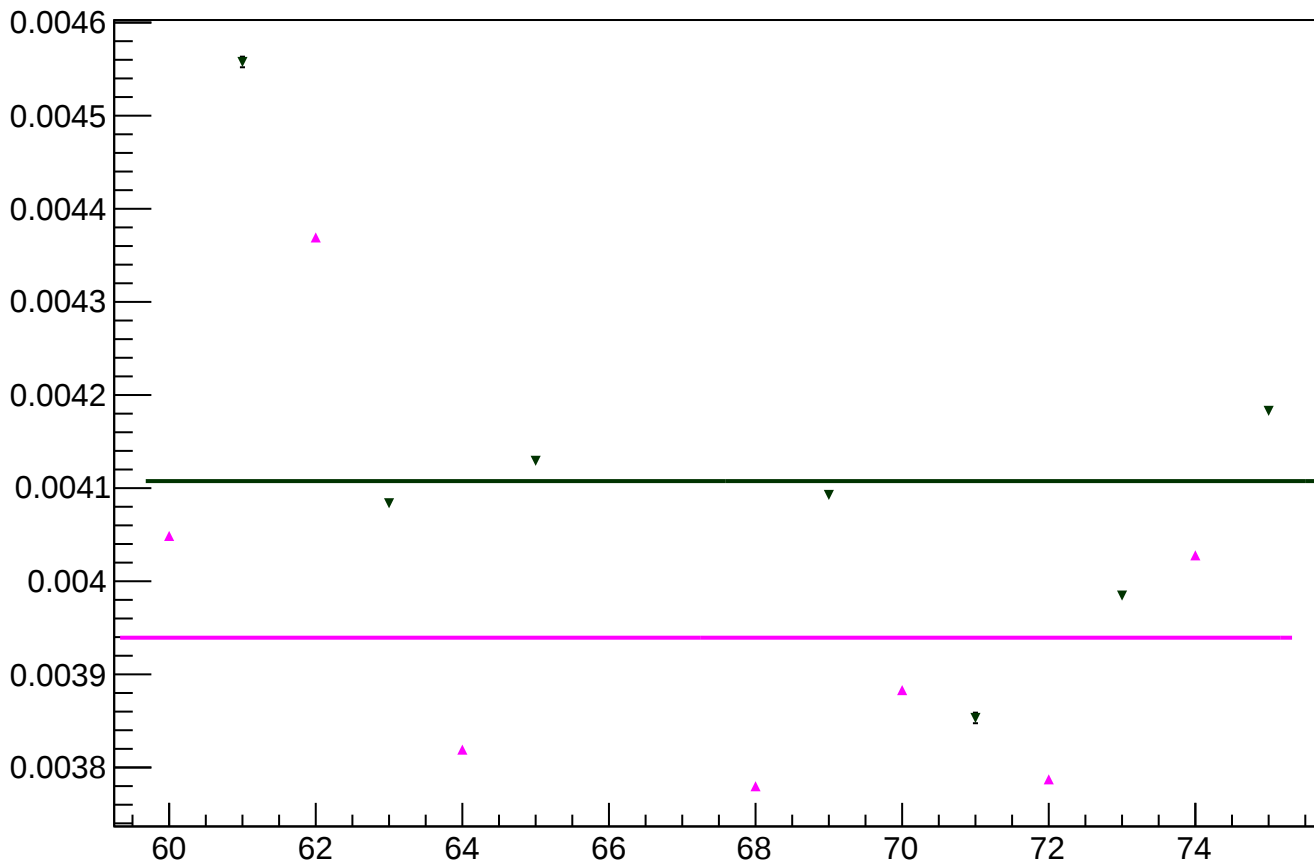
-4.575+/-0.000  $\chi^2/\text{NDF}$ : 25683526.1/6

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

-4.574+/-0.000  $\chi^2/\text{NDF}$ : 60980349.9/6

Left In: -4.574+/-0.000  $\chi^2/\text{NDF}$ : 60980349.9/6

# yield\_bpm1i04Y\_rms vs slug



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

Left Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 9589.4/6

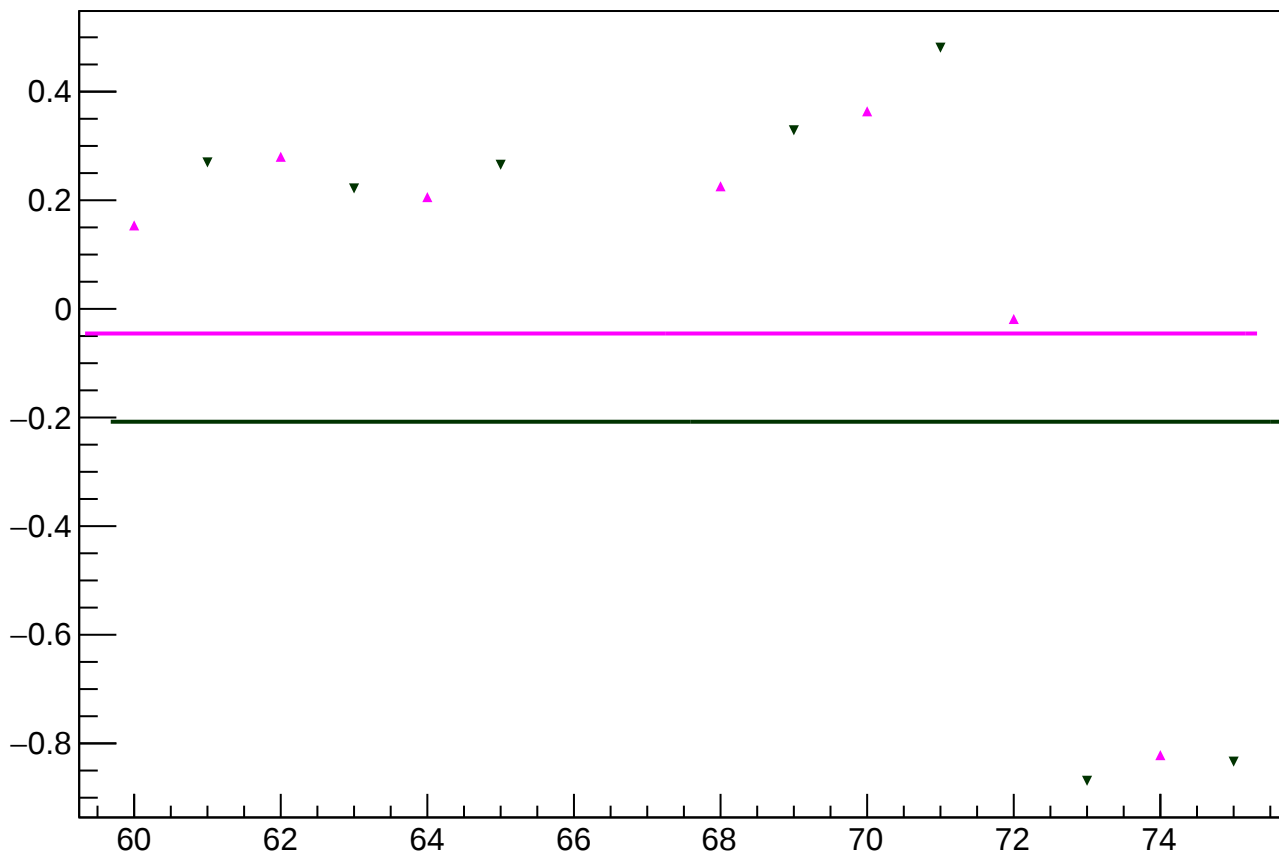
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 12945.8/6

0.004+/-0.000  $\chi^2/\text{NDF}$ : 9589.4/6

0.004+/-0.000  $\chi^2/\text{NDF}$ : 12945.8/6

# yield\_bpm0l01X\_mean vs slug



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

Left Out: -0.208+/-0.000  $\chi^2/\text{NDF}$ : 13935970956.5/6

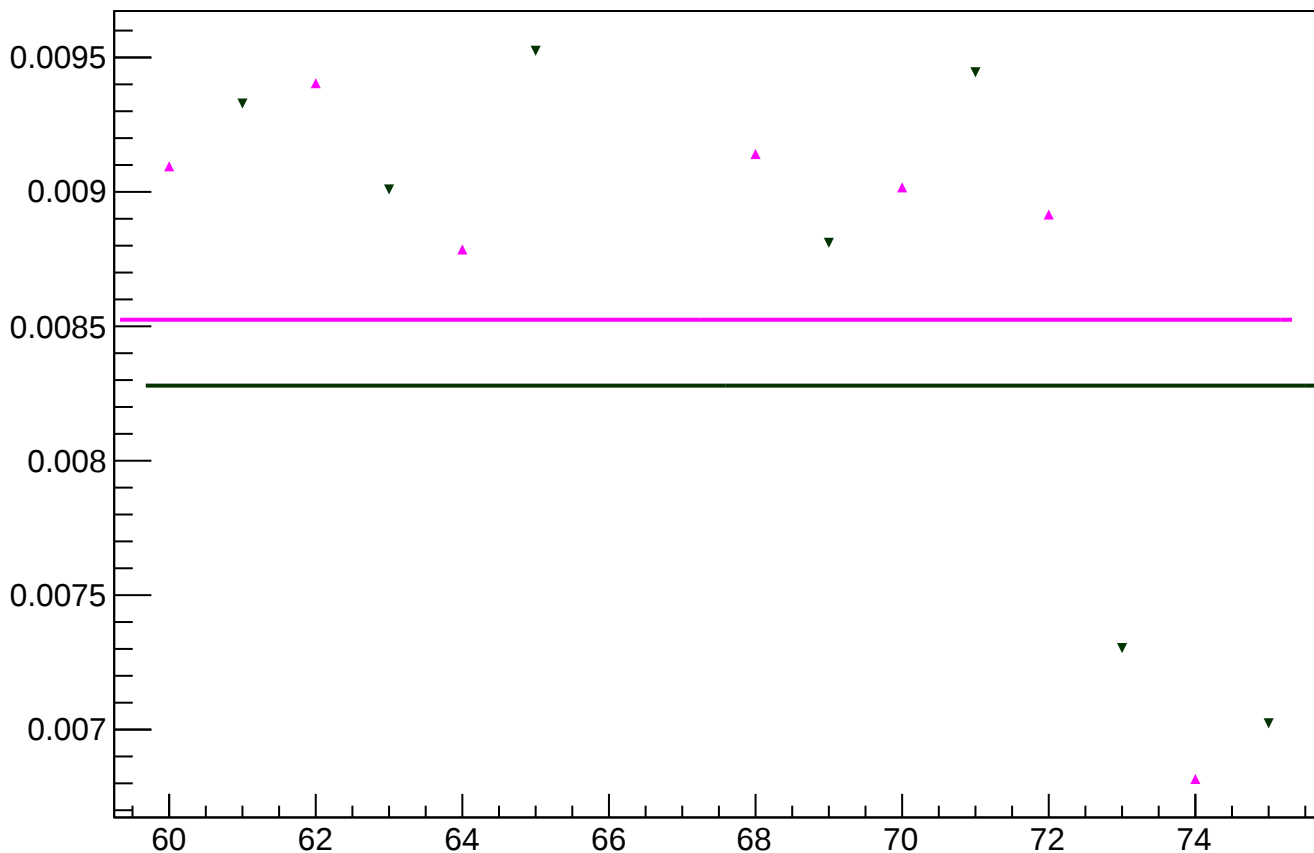
-0.208+/-0.000  $\chi^2/\text{NDF}$ : 13935970956.5/6

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

-0.045+/-0.000  $\chi^2/\text{NDF}$ : 8836231427.2/6

Left In: -0.045+/-0.000  $\chi^2/\text{NDF}$ : 8836231427.2/6

# yield\_bpm0l01X\_rms vs slug



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

Left Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 87215.0/6

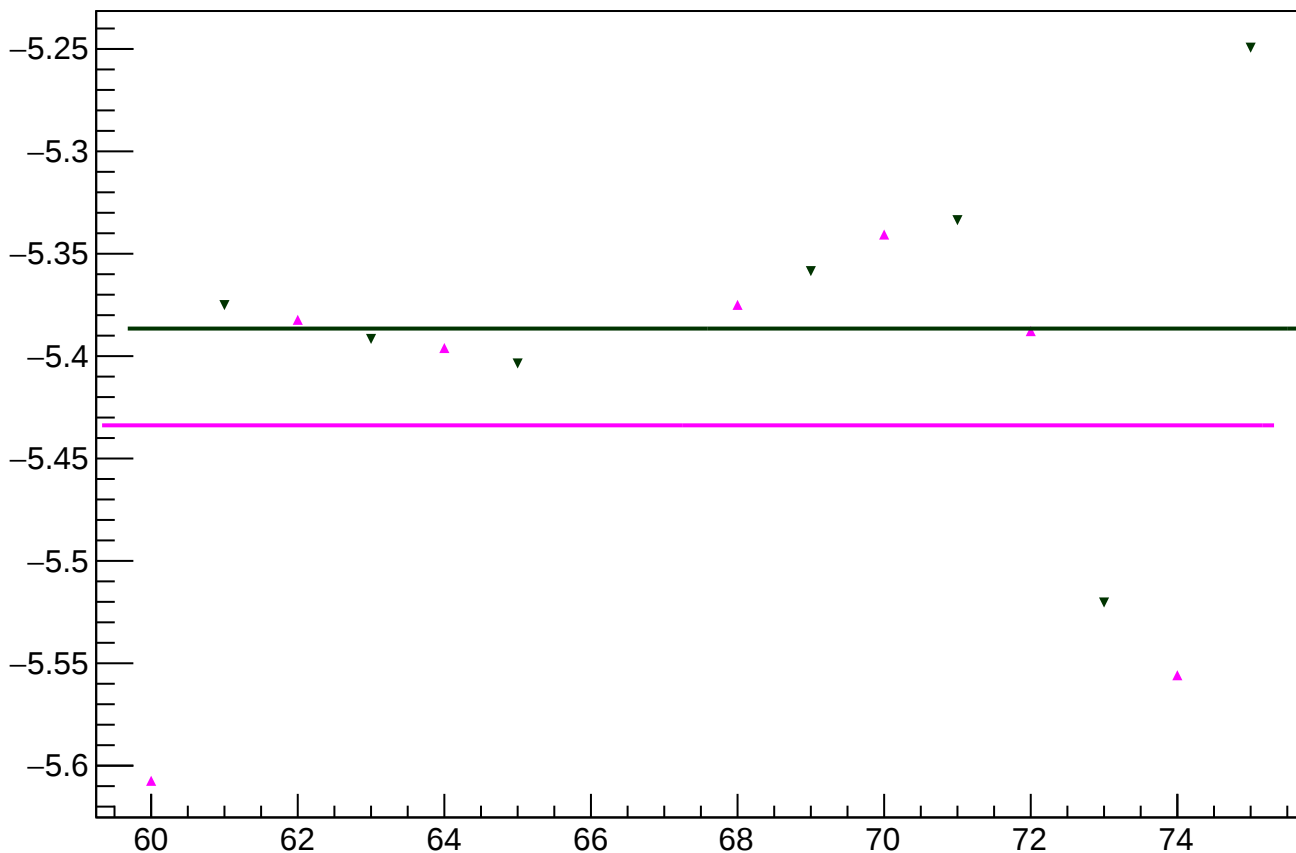
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 83638.2/6

0.008+/-0.000  $\chi^2/\text{NDF}$ : 87215.0/6

0.009+/-0.000  $\chi^2/\text{NDF}$ : 83638.2/6

# yield\_bpm0l01Y\_mean vs slug



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

Left Out: -5.387+/-0.000  $\chi^2/\text{NDF}$ : 453254575.6/6

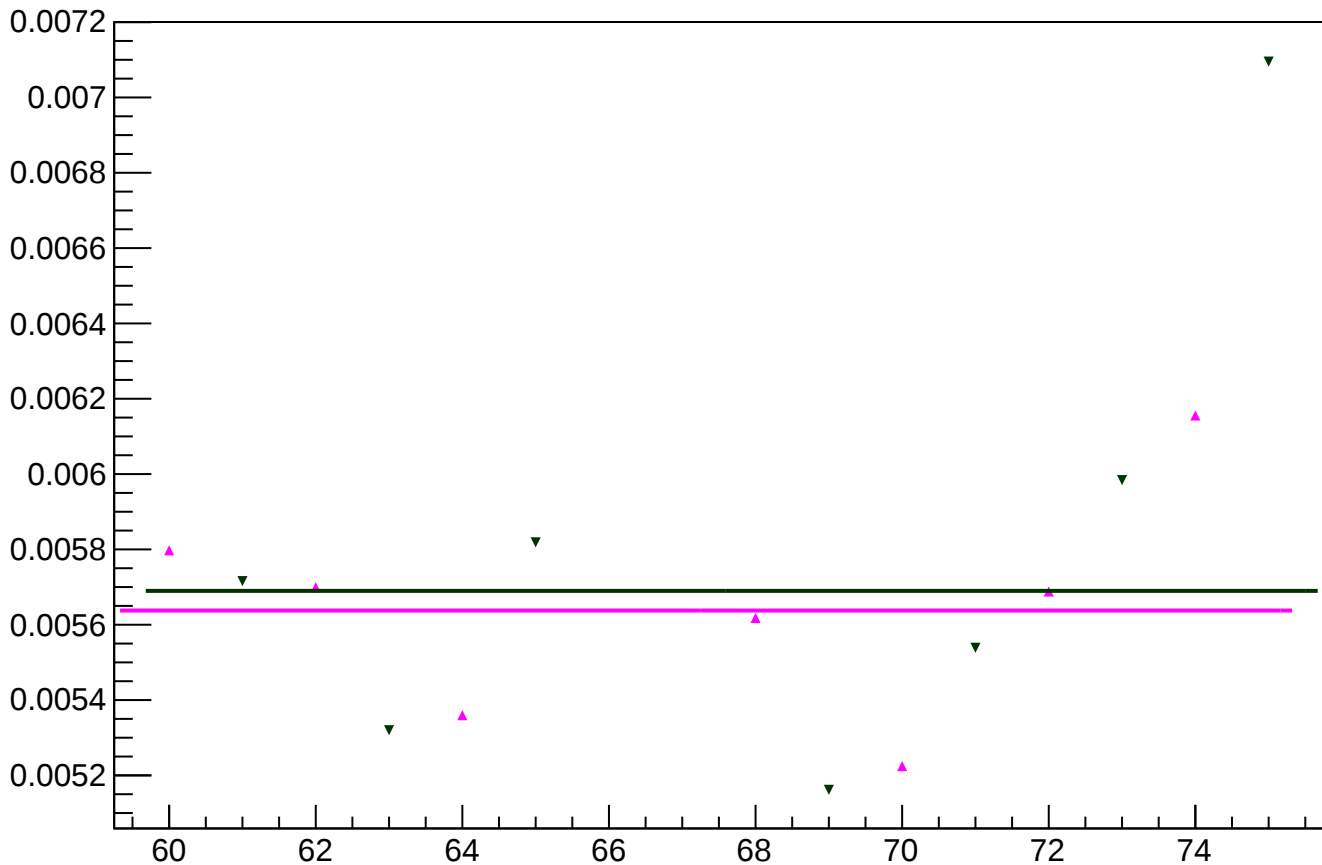
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -5.434+/-0.000  $\chi^2/\text{NDF}$ : 928185605.7/6

-5.387+/-0.000  $\chi^2/\text{NDF}$ : 453254575.6/6

-5.434+/-0.000  $\chi^2/\text{NDF}$ : 928185605.7/6

# yield\_bpm0l01Y\_rms vs slug



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

Left Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 50674.9/6

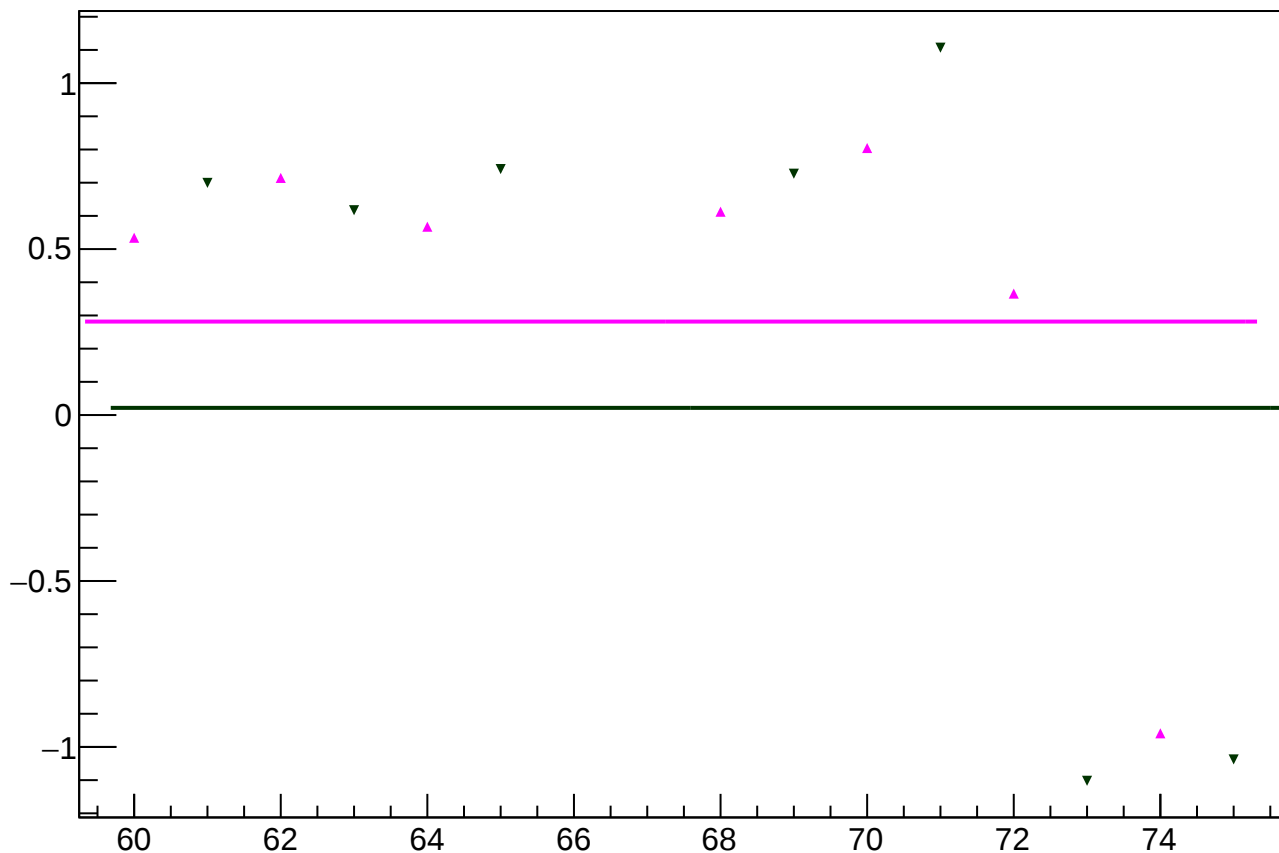
0.006+/-0.000  $\chi^2/\text{NDF}$ : 50674.9/6

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

0.006+/-0.000  $\chi^2/\text{NDF}$ : 15236.7/6

Left In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 15236.7/6

# yield\_bpm0l02X\_mean vs slug



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

Left Out: 0.022+/-0.000  $\chi^2/\text{NDF}$ : 9871801974.0/6

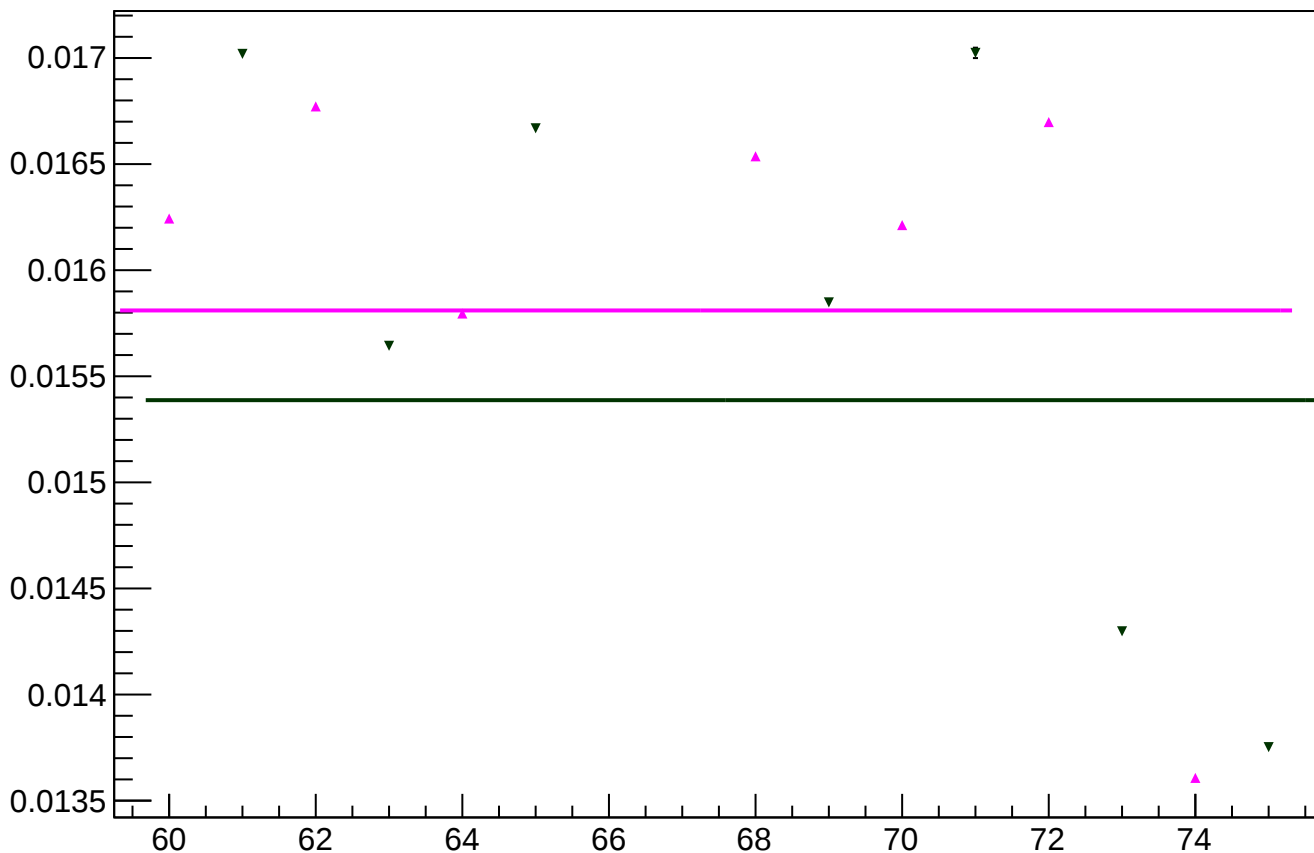
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.282+/-0.000  $\chi^2/\text{NDF}$ : 5285423569.7/6

0.022+/-0.000  $\chi^2/\text{NDF}$ : 9871801974.0/6

0.282+/-0.000  $\chi^2/\text{NDF}$ : 5285423569.7/6

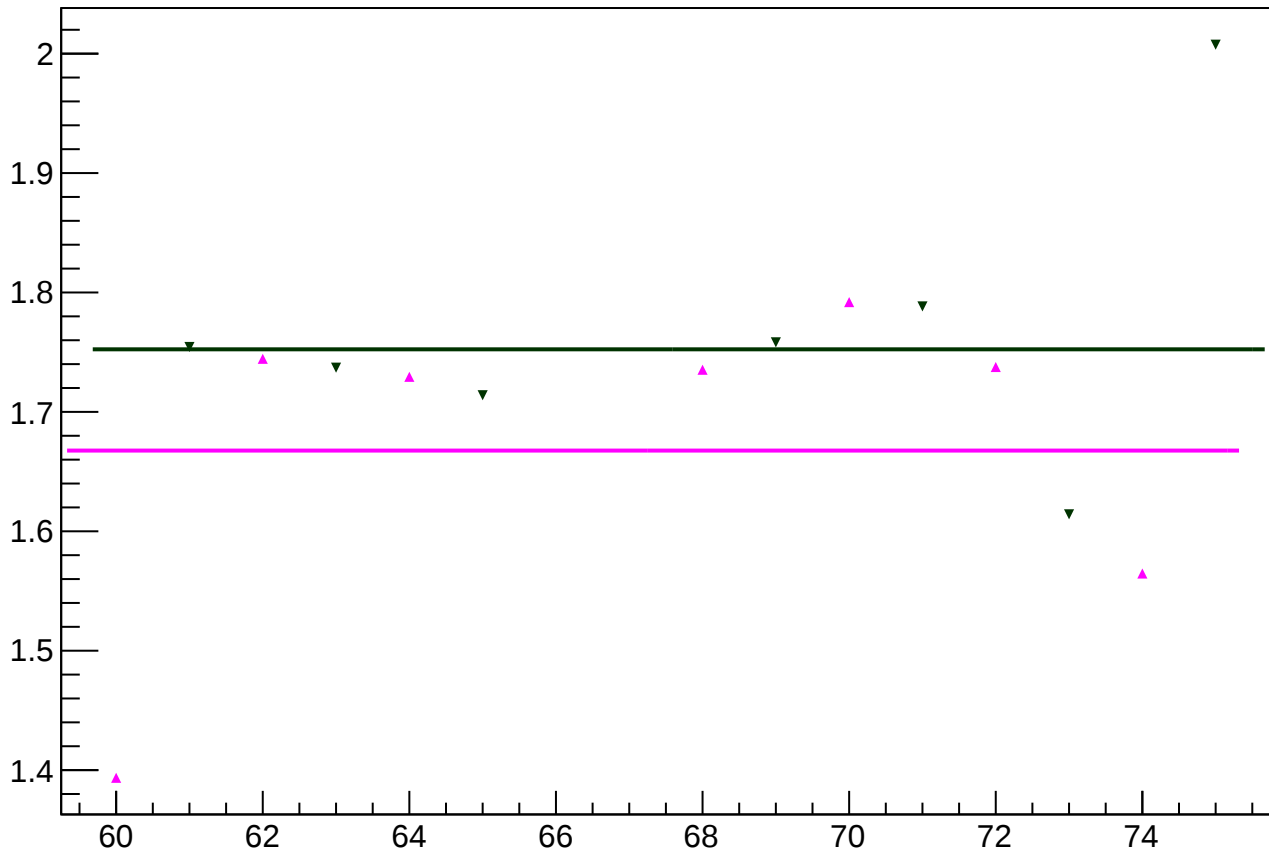
# yield\_bpm0l02X\_rms vs slug



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.015+/-0.000     $\chi^2/\text{NDF}$ : 36448.6/6  
 Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.016+/-0.000     $\chi^2/\text{NDF}$ : 34400.9/6

0.015+/-0.000     $\chi^2/\text{NDF}$ : 36448.6/6  
 0.016+/-0.000     $\chi^2/\text{NDF}$ : 34400.9/6

# yield\_bpm0l02Y\_mean vs slug



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

Left Out: 1.752+/-0.000  $\chi^2/\text{NDF}$ : 330038633.3/6

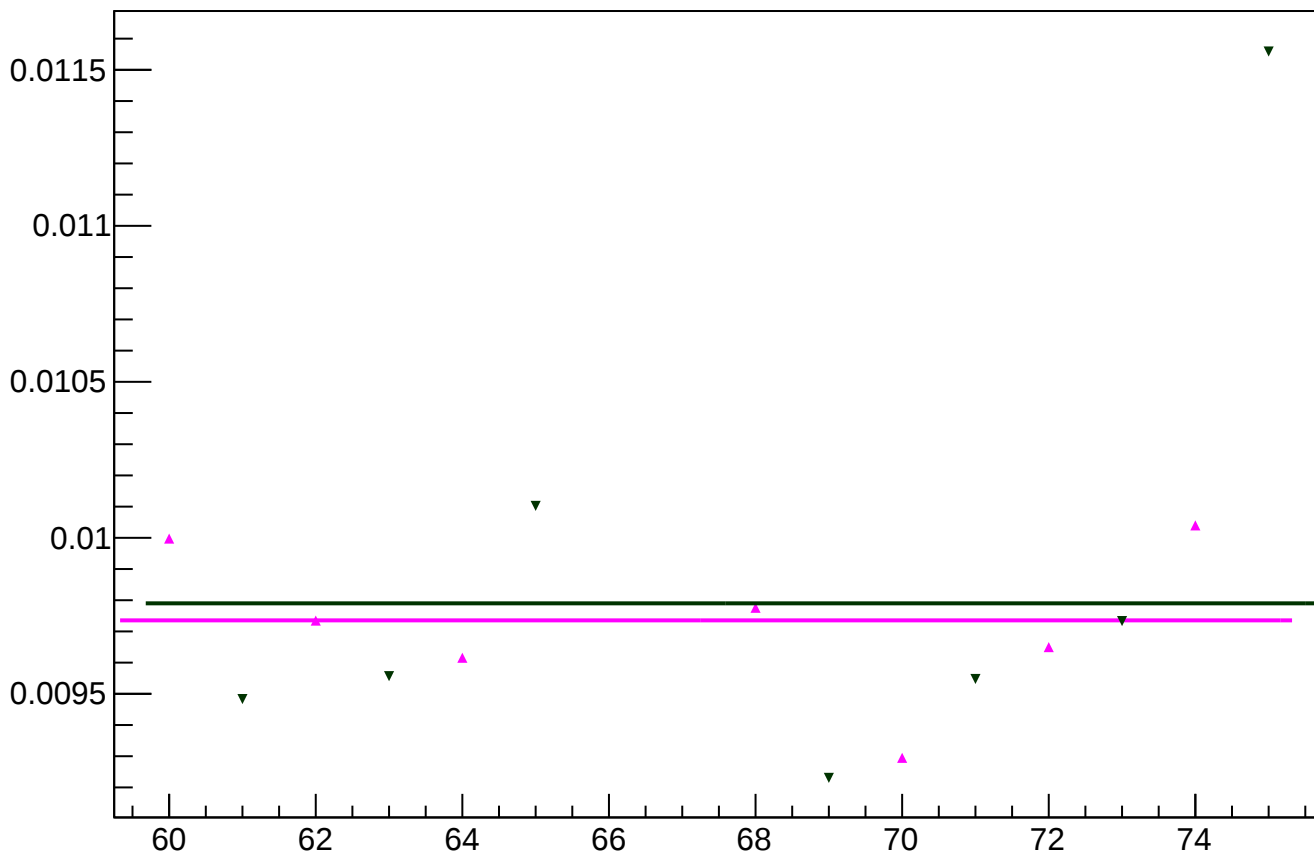
1.752+/-0.000  $\chi^2/\text{NDF}$ : 330038633.3/6

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

1.668+/-0.000  $\chi^2/\text{NDF}$ : 617676841.6/6

Left In: 1.668+/-0.000  $\chi^2/\text{NDF}$ : 617676841.6/6

# yield\_bpm0l02Y\_rms vs slug



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

Left Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 26725.3/6

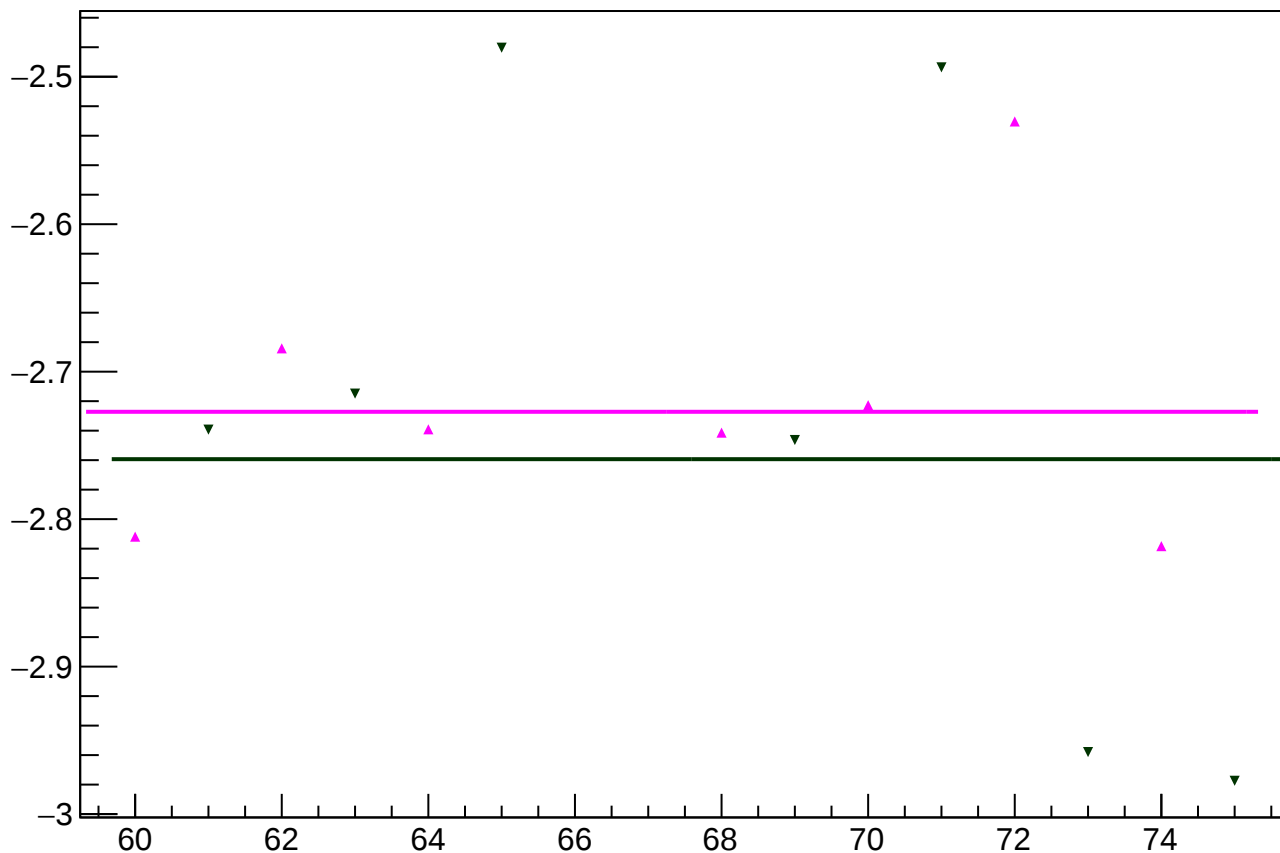
0.010+/-0.000  $\chi^2/\text{NDF}$ : 26725.3/6

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

0.010+/-0.000  $\chi^2/\text{NDF}$ : 3723.0/6

Left In: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 3723.0/6

# yield\_bpm0l03X\_mean vs slug



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

Left Out: -2.759+/-0.000  $\chi^2/\text{NDF}$ : 1071624604.3/6

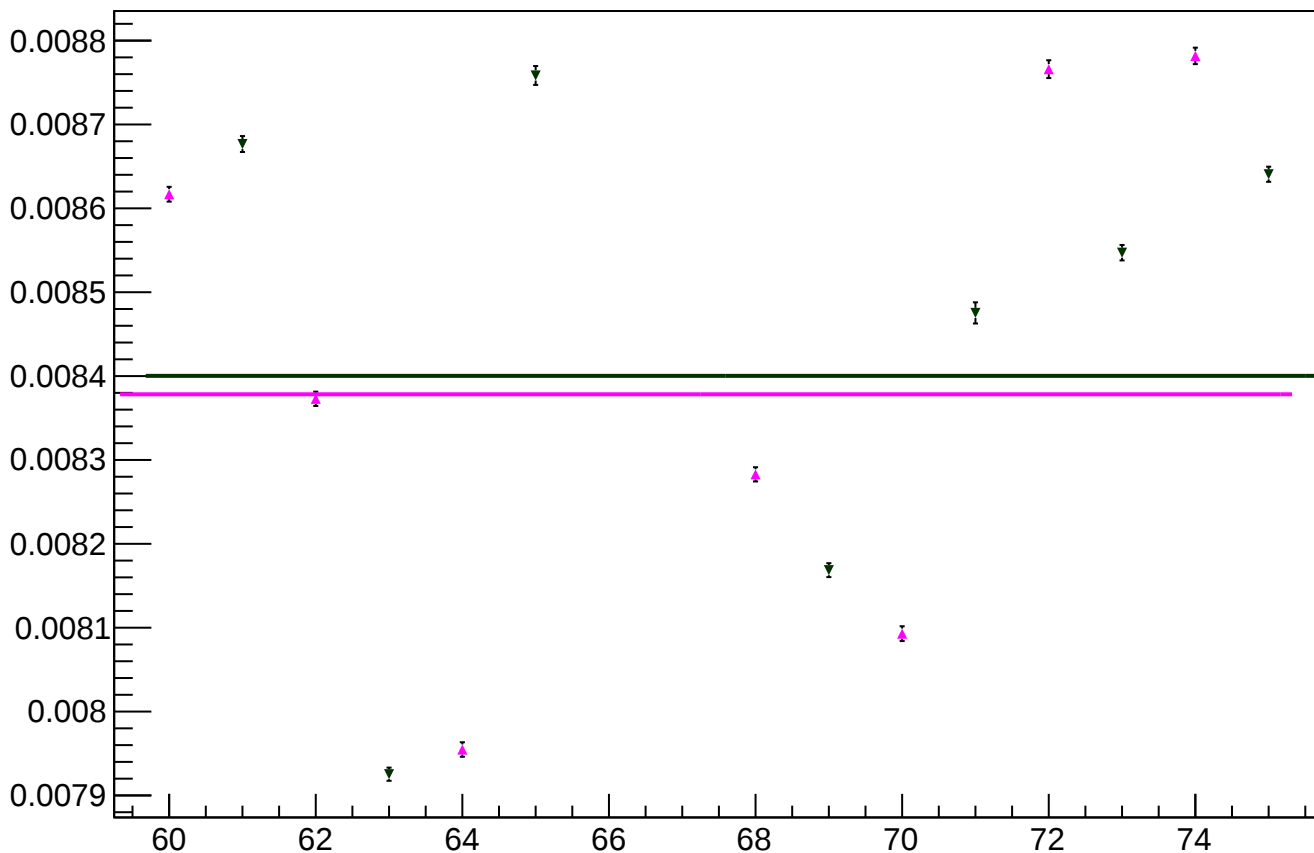
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.727+/-0.000  $\chi^2/\text{NDF}$ : 275872745.4/6

-2.759+/-0.000  $\chi^2/\text{NDF}$ : 1071624604.3/6

-2.727+/-0.000  $\chi^2/\text{NDF}$ : 275872745.4/6

# yield\_bpm0l03X\_rms vs slug



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

Left Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 7279.3/6

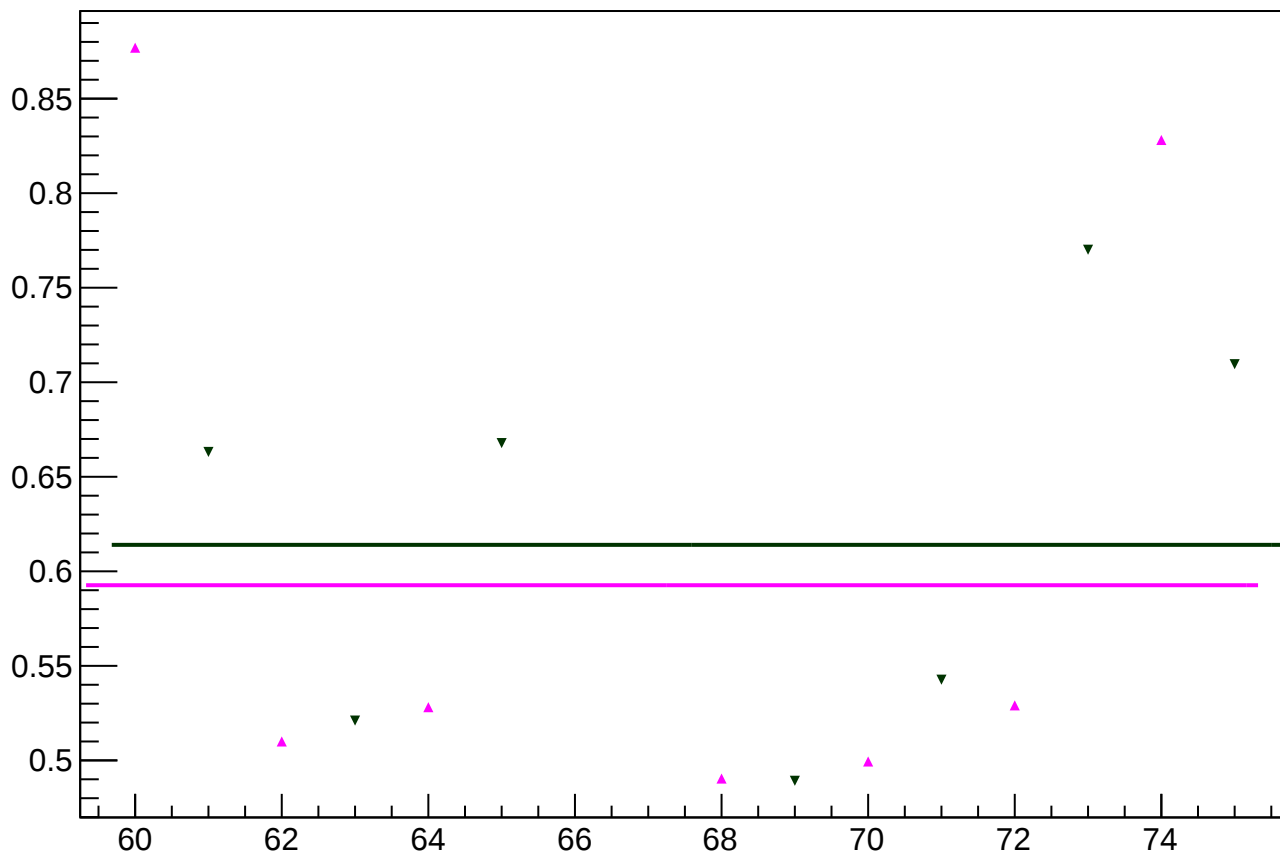
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 7308.2/6

0.008+/-0.000  $\chi^2/\text{NDF}$ : 7279.3/6

0.008+/-0.000  $\chi^2/\text{NDF}$ : 7308.2/6

# yield\_bpm0l03Y\_mean vs slug



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

Left Out: 0.614+/-0.000  $\chi^2/\text{NDF}$ : 712379276.5/6

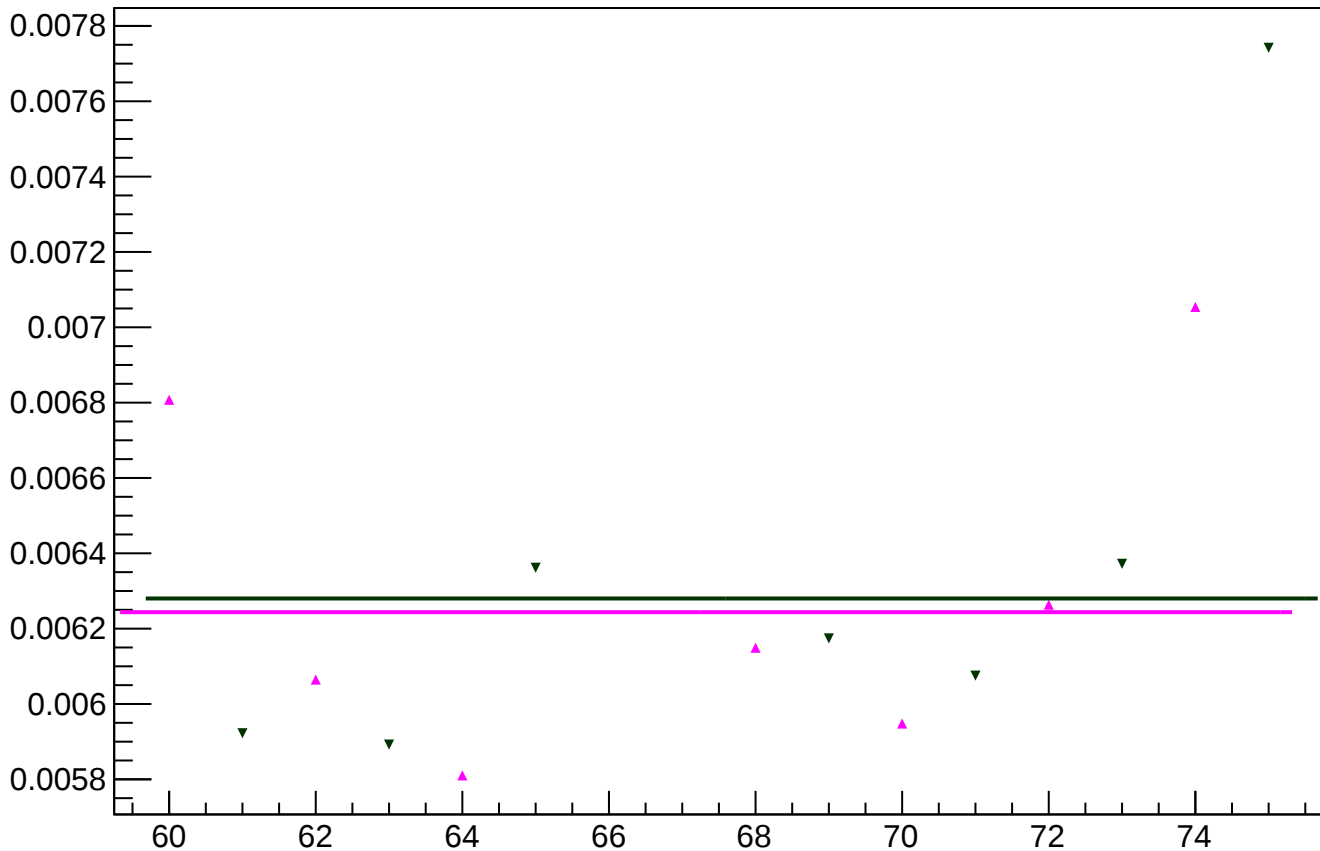
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.593+/-0.000  $\chi^2/\text{NDF}$ : 1646524244.7/6

0.614+/-0.000  $\chi^2/\text{NDF}$ : 712379276.5/6

0.593+/-0.000  $\chi^2/\text{NDF}$ : 1646524244.7/6

# yield\_bpm0l03Y\_rms vs slug



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

Left Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 39643.4/6

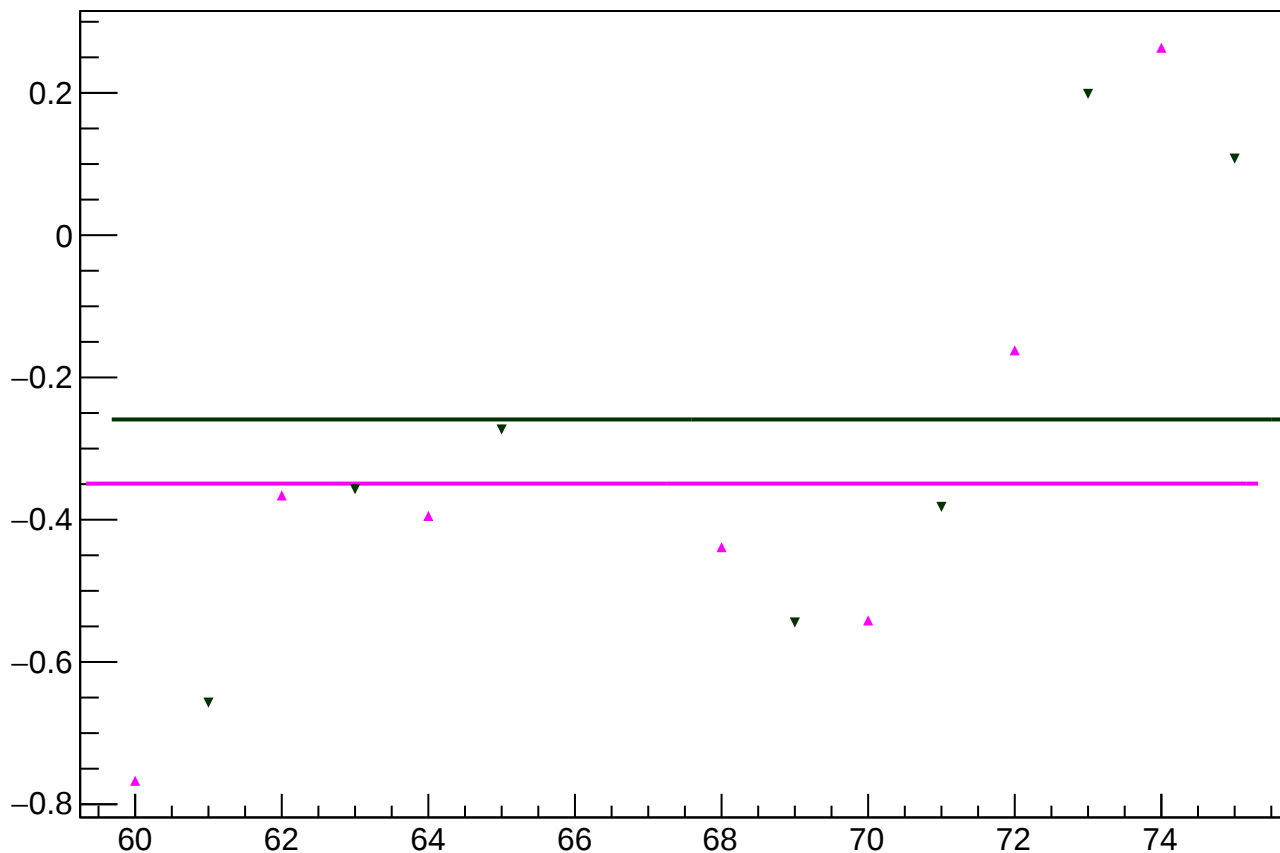
0.006+/-0.000  $\chi^2/\text{NDF}$ : 39643.4/6

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

0.006+/-0.000  $\chi^2/\text{NDF}$ : 24221.8/6

Left In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 24221.8/6

# yield\_bpm0l04X\_mean vs slug



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

Left Out: -0.259+/-0.000  $\chi^2/\text{NDF}$ : 892962371.1/6

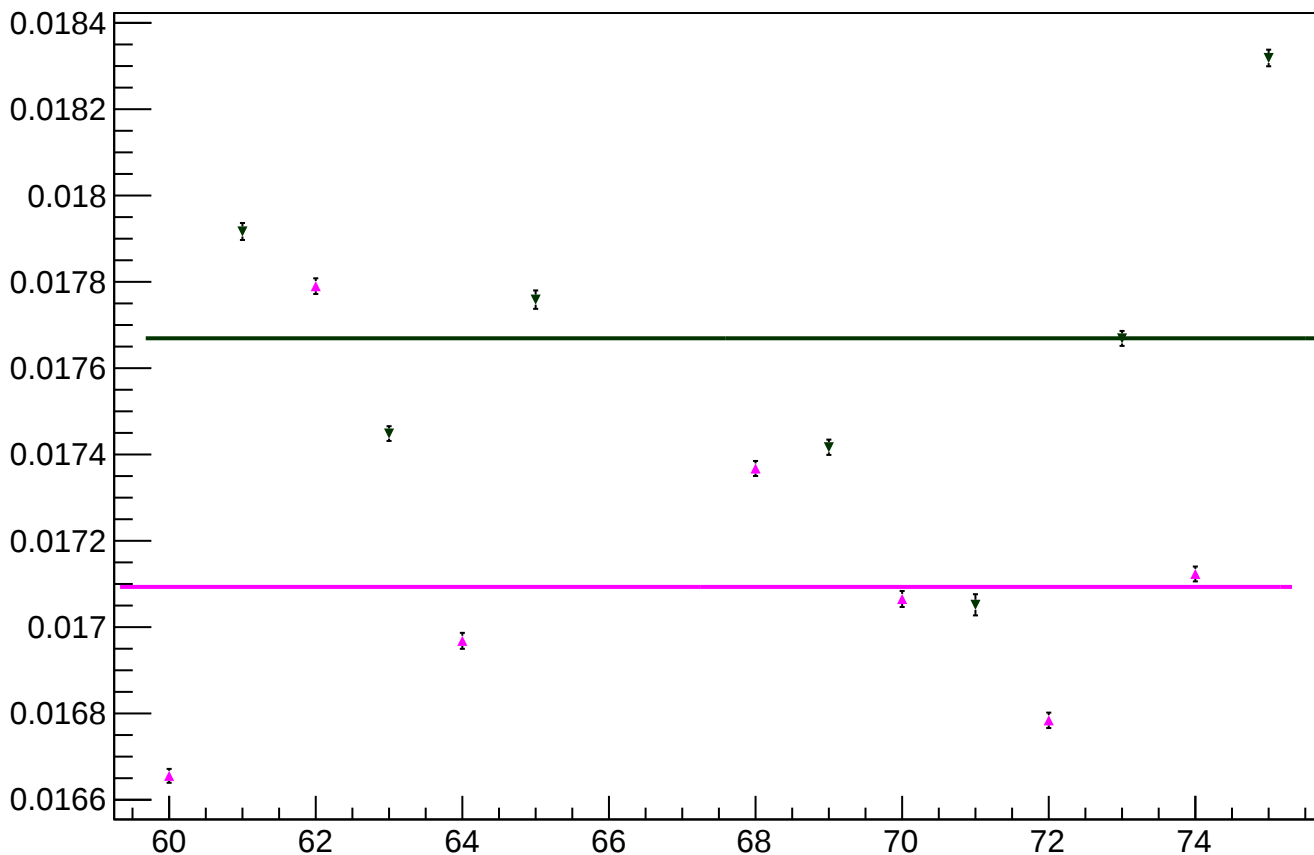
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.349+/-0.000  $\chi^2/\text{NDF}$ : 1093710330.1/6

-0.259+/-0.000  $\chi^2/\text{NDF}$ : 892962371.1/6

-0.349+/-0.000  $\chi^2/\text{NDF}$ : 1093710330.1/6

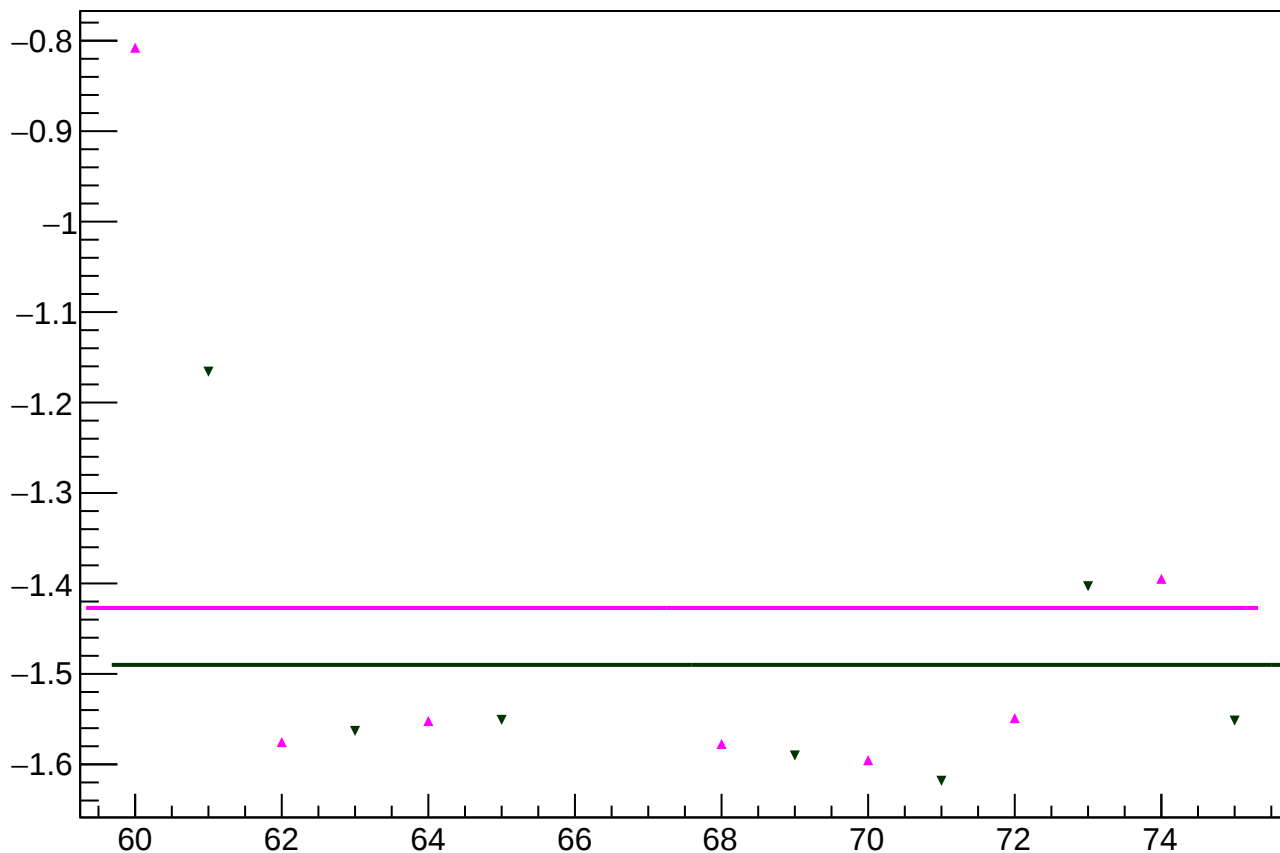
# yield\_bpm0l04X\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.018+/-0.000  $\chi^2/\text{NDF}$ : 2315.1/6  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.017+/-0.000  $\chi^2/\text{NDF}$ : 2802.2/6

0.018+/-0.000  $\chi^2/\text{NDF}$ : 2315.1/6  
0.017+/-0.000  $\chi^2/\text{NDF}$ : 2802.2/6

# yield\_bpm0l04Y\_mean vs slug



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

Left Out: -1.490+/-0.000  $\chi^2/\text{NDF}$ : 2103174957.9/6

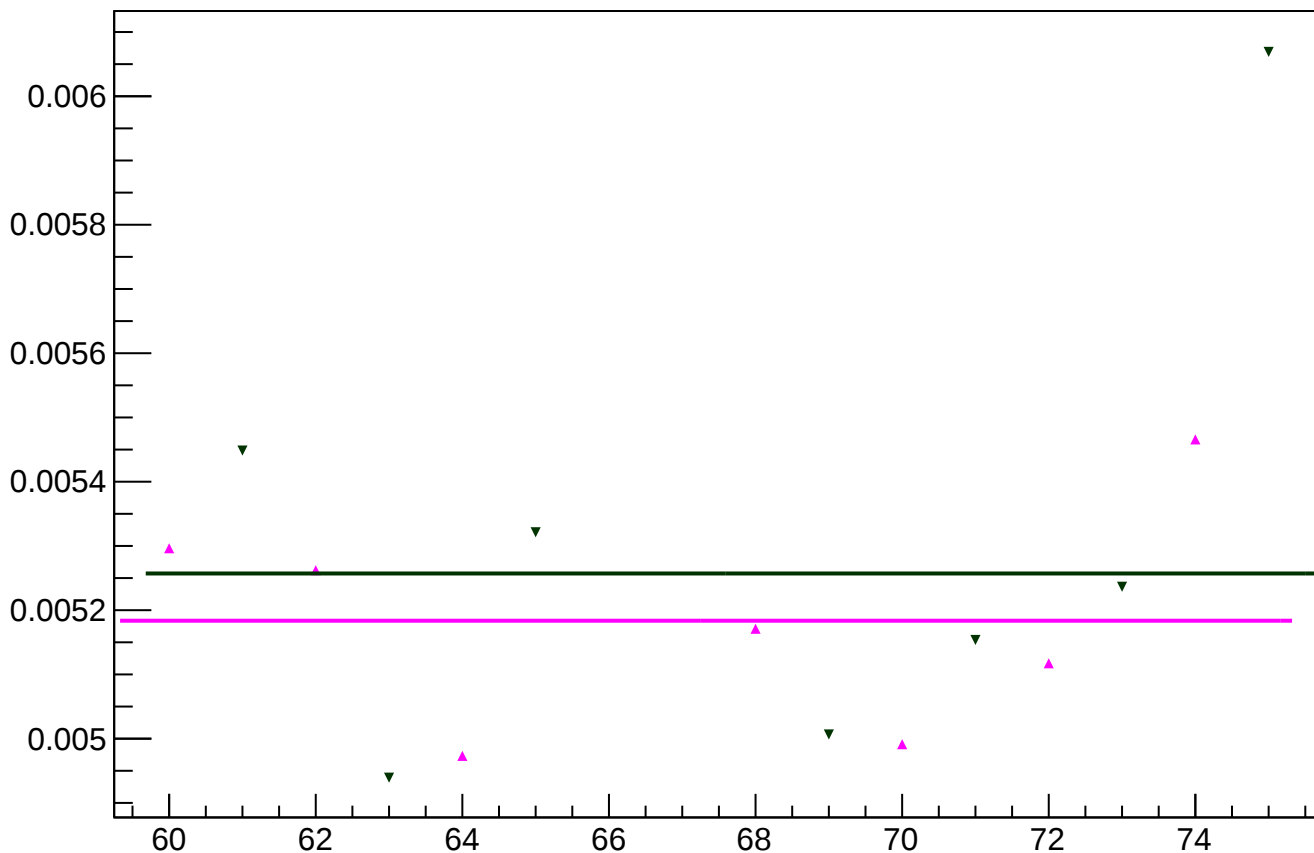
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.427+/-0.000  $\chi^2/\text{NDF}$ : 8986415057.9/6

-1.490+/-0.000  $\chi^2/\text{NDF}$ : 2103174957.9/6

-1.427+/-0.000  $\chi^2/\text{NDF}$ : 8986415057.9/6

# yield\_bpm0l04Y\_rms vs slug



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

Left Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 23250.8/6

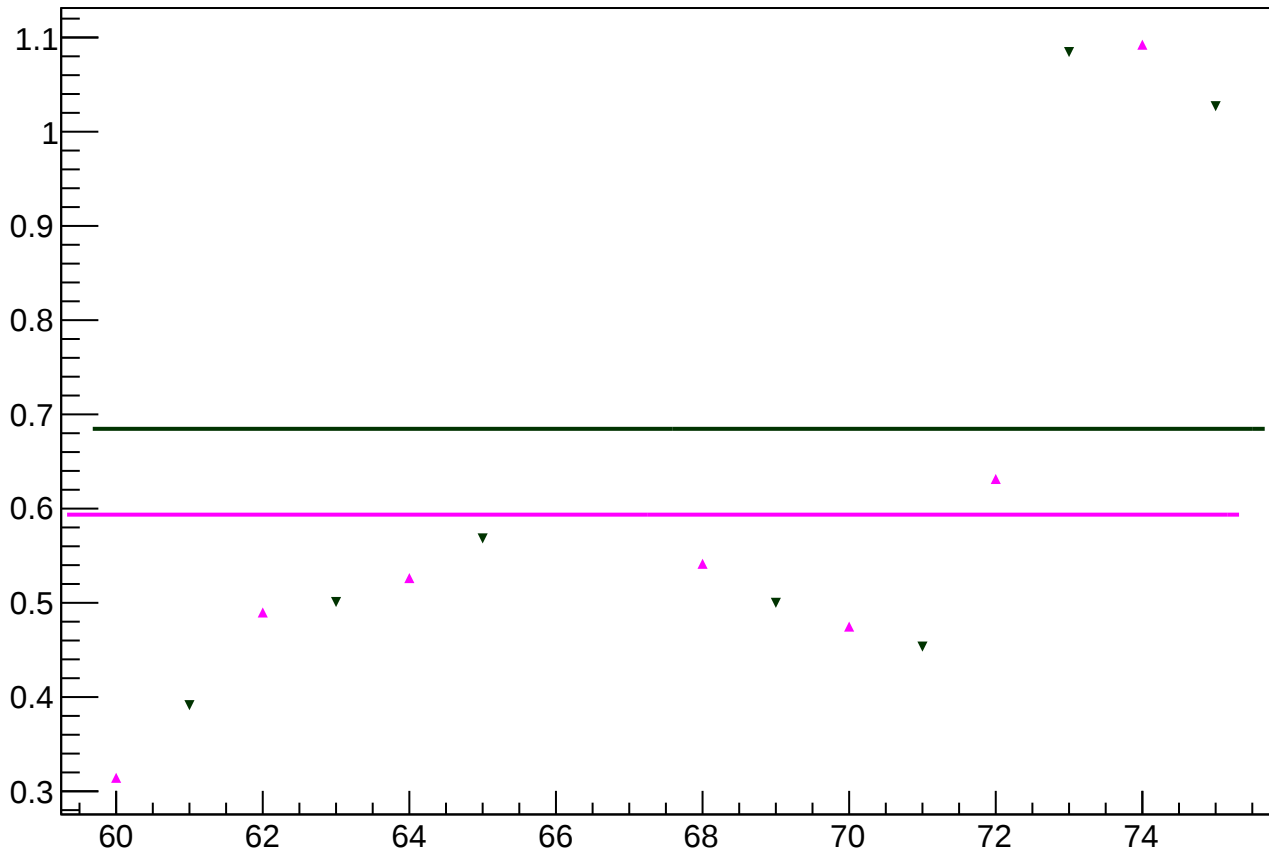
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 6134.8/6

0.005+/-0.000  $\chi^2/\text{NDF}$ : 23250.8/6

0.005+/-0.000  $\chi^2/\text{NDF}$ : 6134.8/6

# yield\_bpm0l05X\_mean vs slug



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

Left Out: 0.685+/-0.000  $\chi^2/\text{NDF}$ : 4118458144.7/6

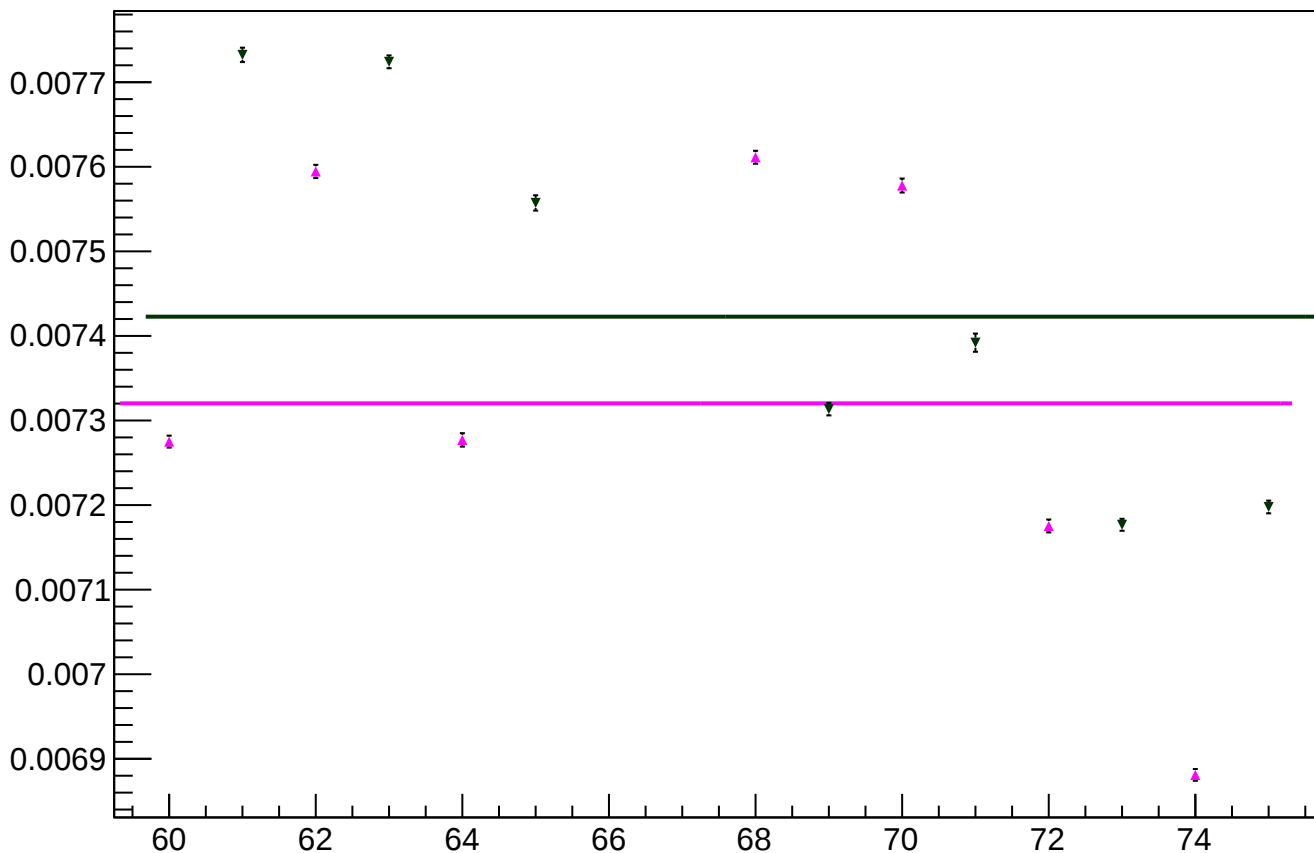
0.685+/-0.000  $\chi^2/\text{NDF}$ : 4118458144.7/6

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

0.594+/-0.000  $\chi^2/\text{NDF}$ : 3608374614.5/6

Left In: 0.594+/-0.000  $\chi^2/\text{NDF}$ : 3608374614.5/6

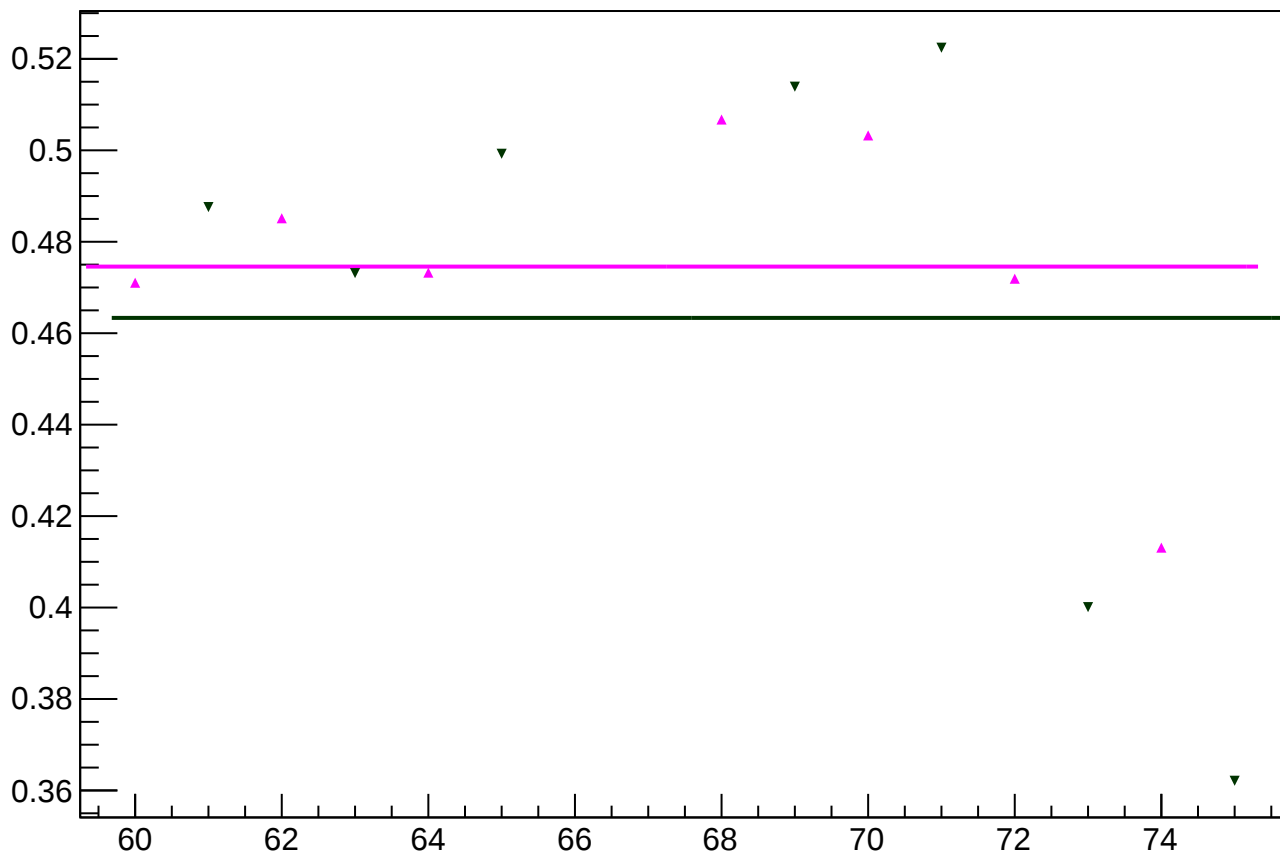
# yield\_bpm0l05X\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 5413.2/6  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 8030.0/6

0.007+/-0.000  $\chi^2/\text{NDF}$ : 5413.2/6  
0.007+/-0.000  $\chi^2/\text{NDF}$ : 8030.0/6

# yield\_bpm0l05Y\_mean vs slug



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

Left Out: 0.463+/-0.000  $\chi^2/\text{NDF}$ : 449885983.9/6

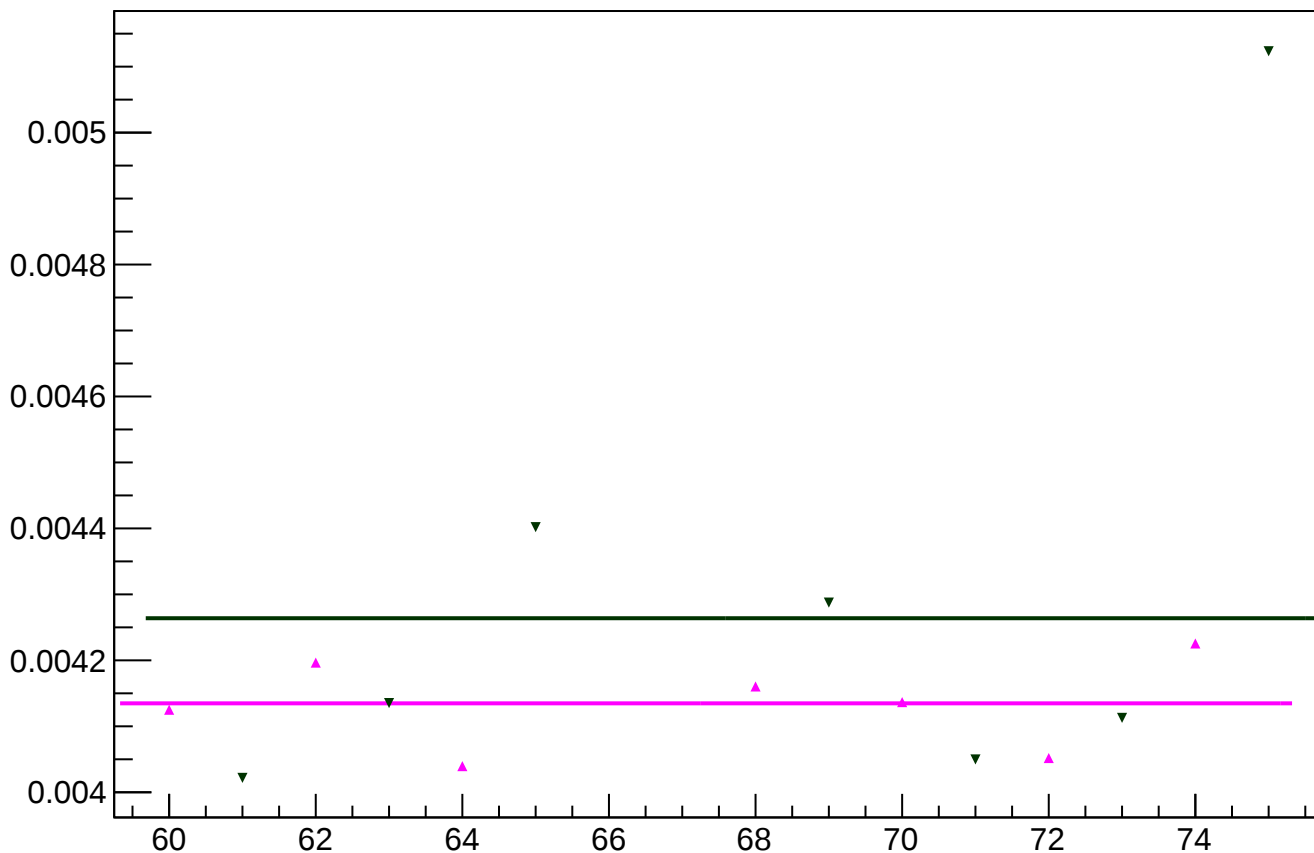
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.475+/-0.000  $\chi^2/\text{NDF}$ : 153592075.8/6

0.463+/-0.000  $\chi^2/\text{NDF}$ : 449885983.9/6

0.475+/-0.000  $\chi^2/\text{NDF}$ : 153592075.8/6

# yield\_bpm0l05Y\_rms vs slug



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

Left Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ :32432.6/6

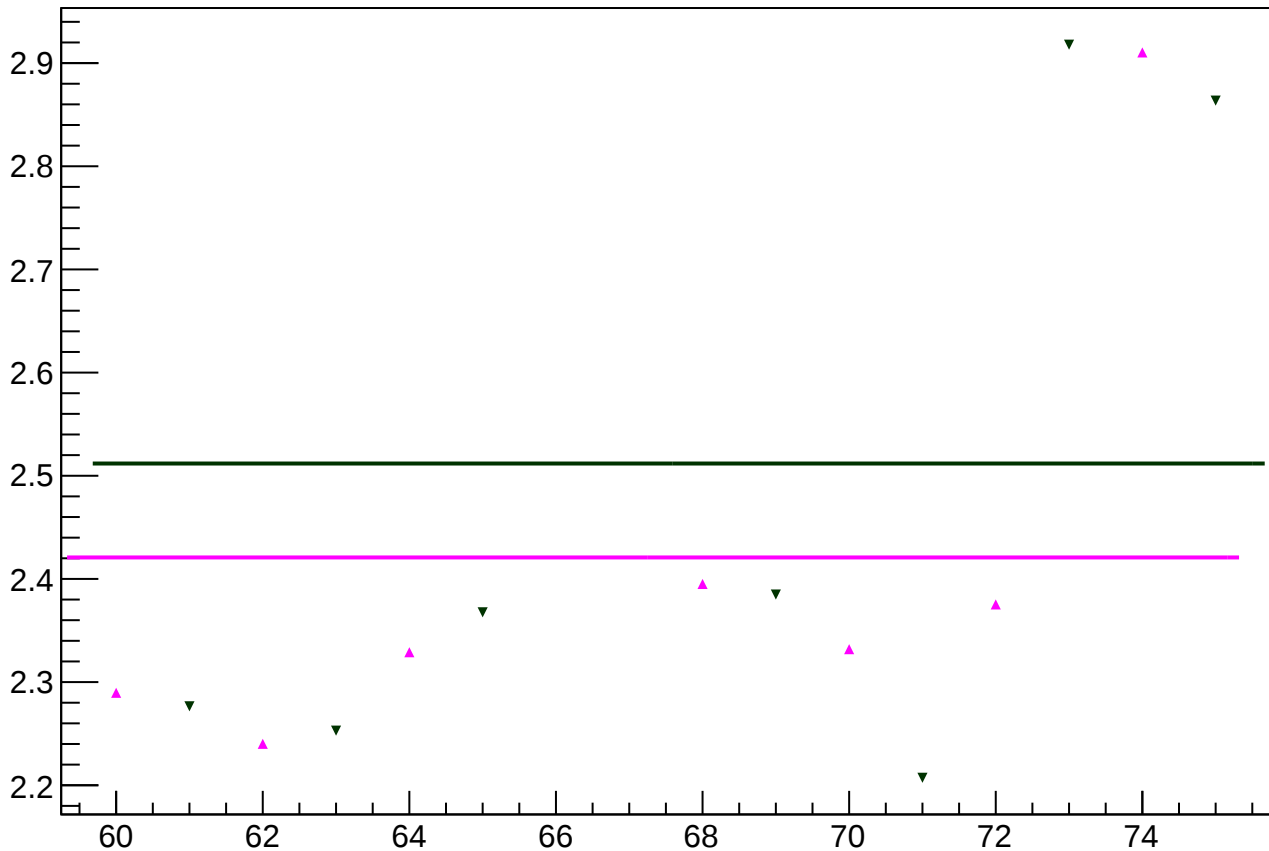
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.004+/-0.000  $\chi^2/\text{NDF}$ :1500.8/6

0.004+/-0.000  $\chi^2/\text{NDF}$ : 32432.6/6

0.004+/-0.000  $\chi^2/\text{NDF}$ : 1500.8/6

# yield\_bpm0l06X\_mean vs slug



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

Left Out: 2.512+/-0.000  $\chi^2/\text{NDF}$ : 2688655129.5/6

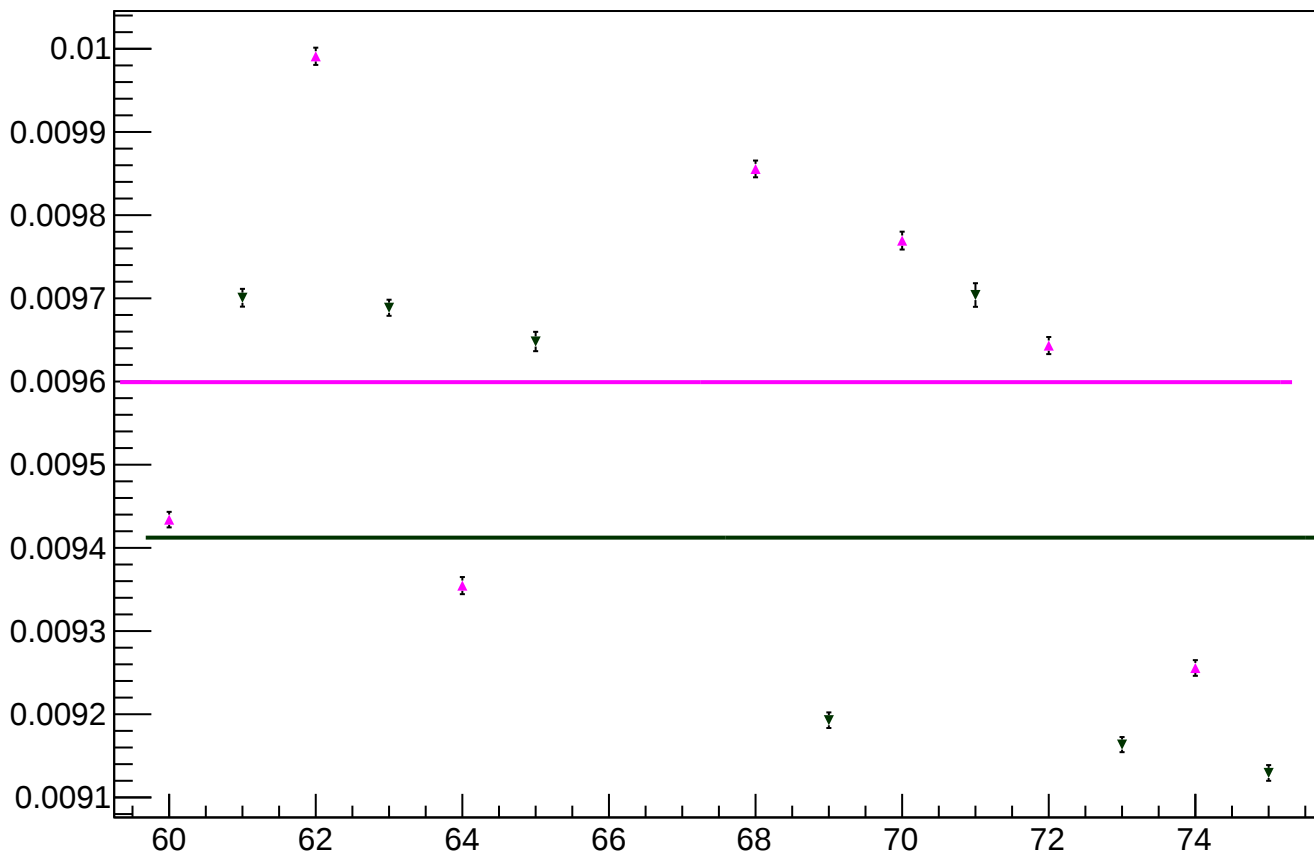
2.512+/-0.000  $\chi^2/\text{NDF}$ : 2688655129.5/6

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

2.421+/-0.000  $\chi^2/\text{NDF}$ : 1685365767.2/6

Left In: 2.421+/-0.000  $\chi^2/\text{NDF}$ : 1685365767.2/6

# yield\_bpm0l06X\_rms vs slug



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

Left Out: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 4569.4/6

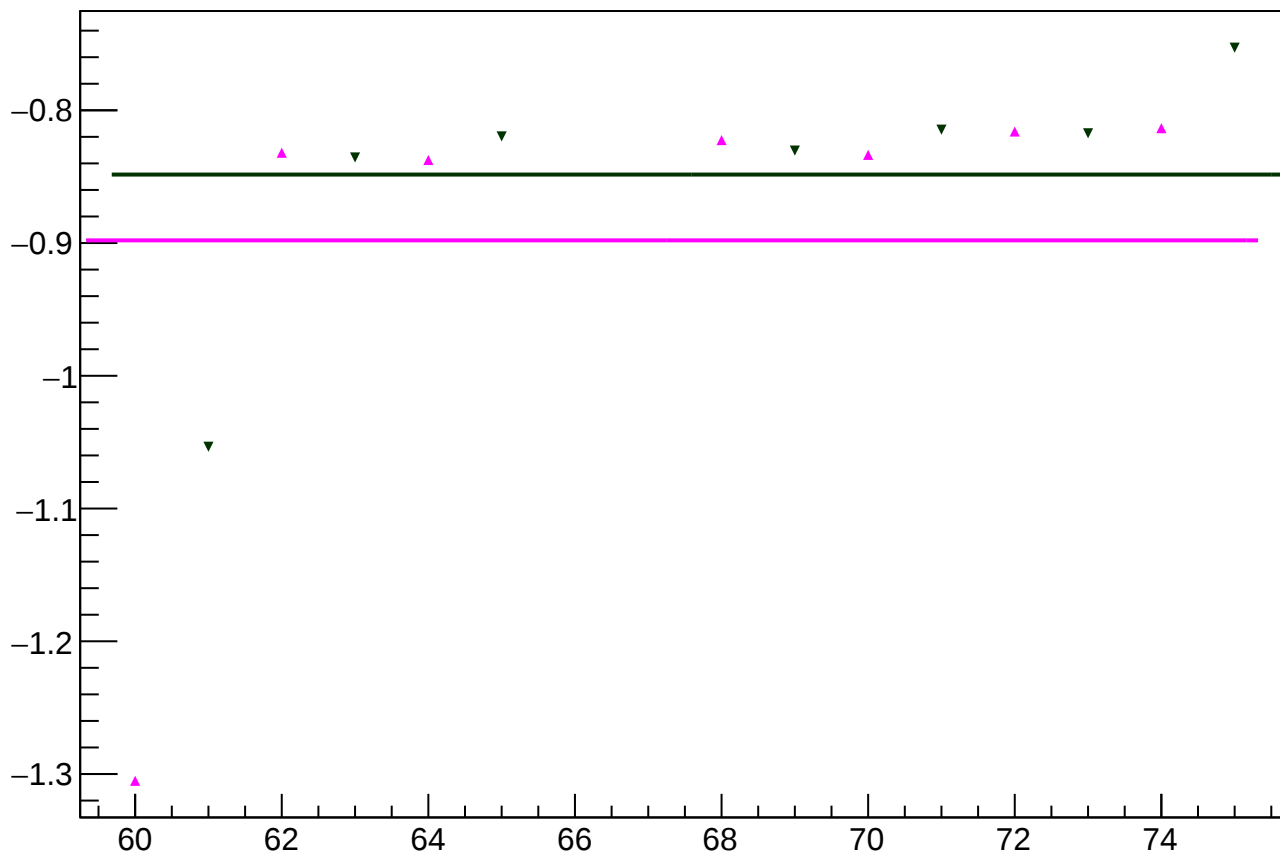
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 4550.9/6

0.009+/-0.000  $\chi^2/\text{NDF}$ : 4569.4/6

0.010+/-0.000  $\chi^2/\text{NDF}$ : 4550.9/6

# yield\_bpm0l06Y\_mean vs slug



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

Left Out: -0.848+/-0.000  $\chi^2/\text{NDF}$ : 1400588966.5/6

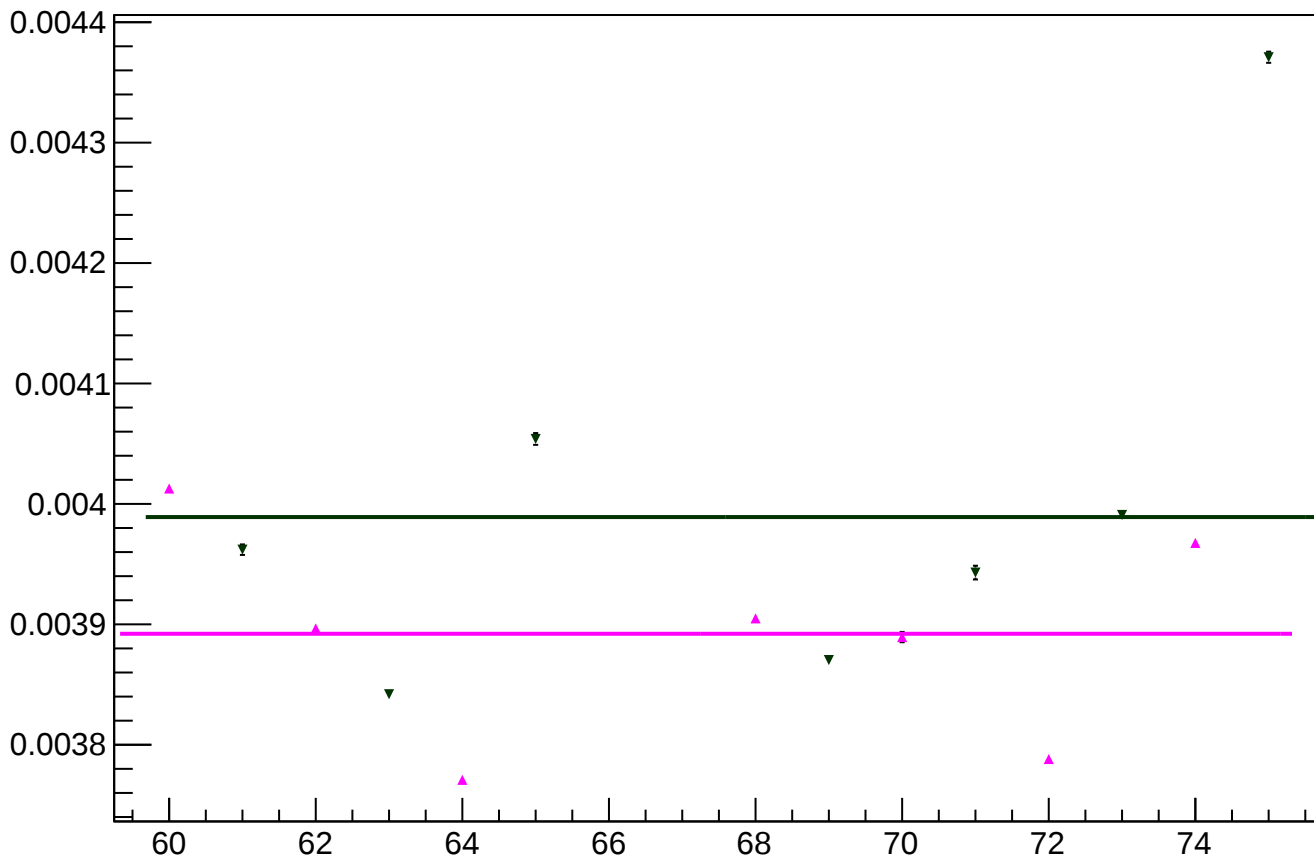
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.898+/-0.000  $\chi^2/\text{NDF}$ : 6304833916.5/6

-0.848+/-0.000  $\chi^2/\text{NDF}$ : 1400588966.5/6

-0.898+/-0.000  $\chi^2/\text{NDF}$ : 6304833916.5/6

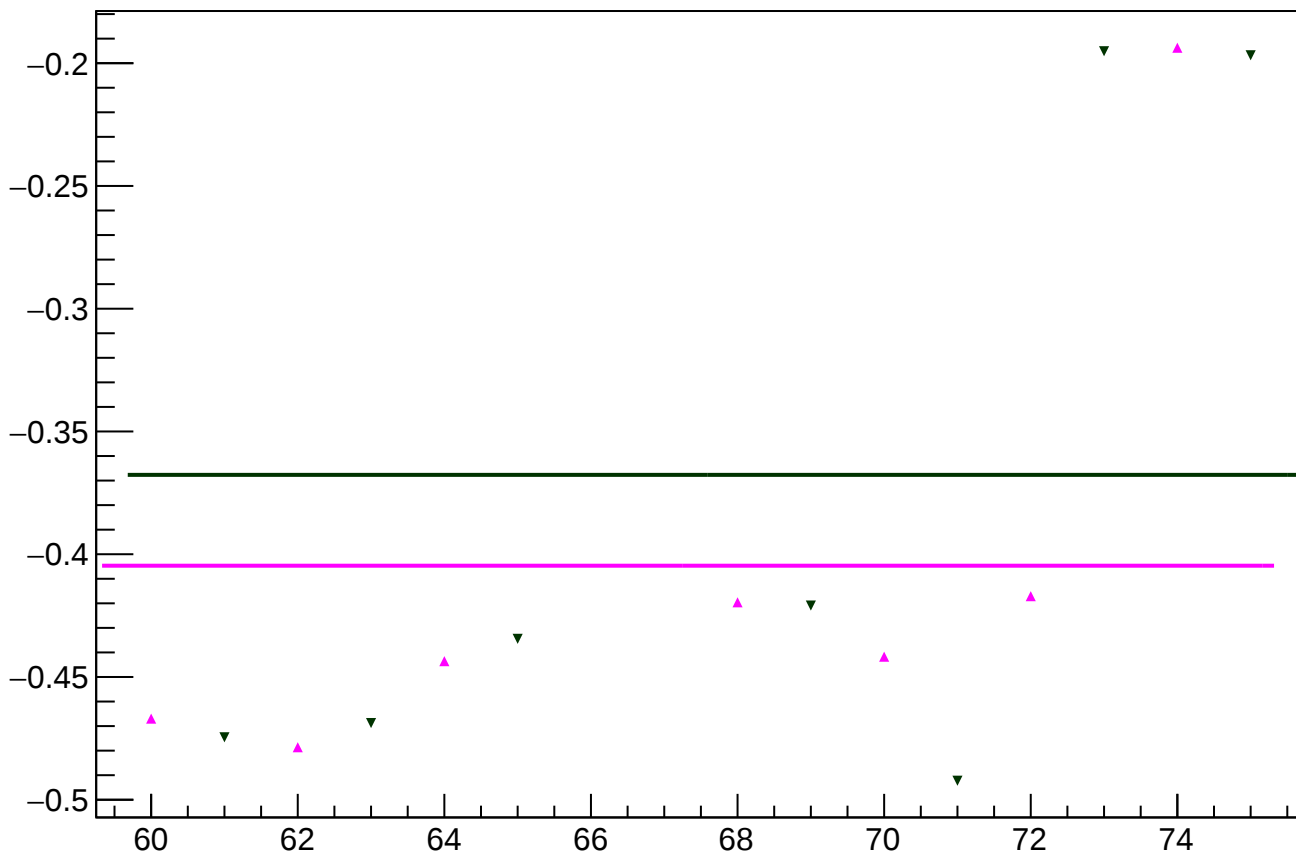
# yield\_bpm0l06Y\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 9503.1/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 2819.8/6

0.004+/-0.000  $\chi^2/\text{NDF}$ : 9503.1/6  
 0.004+/-0.000  $\chi^2/\text{NDF}$ : 2819.8/6

# yield\_bpm0l07X\_mean vs slug



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

Left Out: -0.368+/-0.000  $\chi^2/\text{NDF}$ : 218168648.9/6

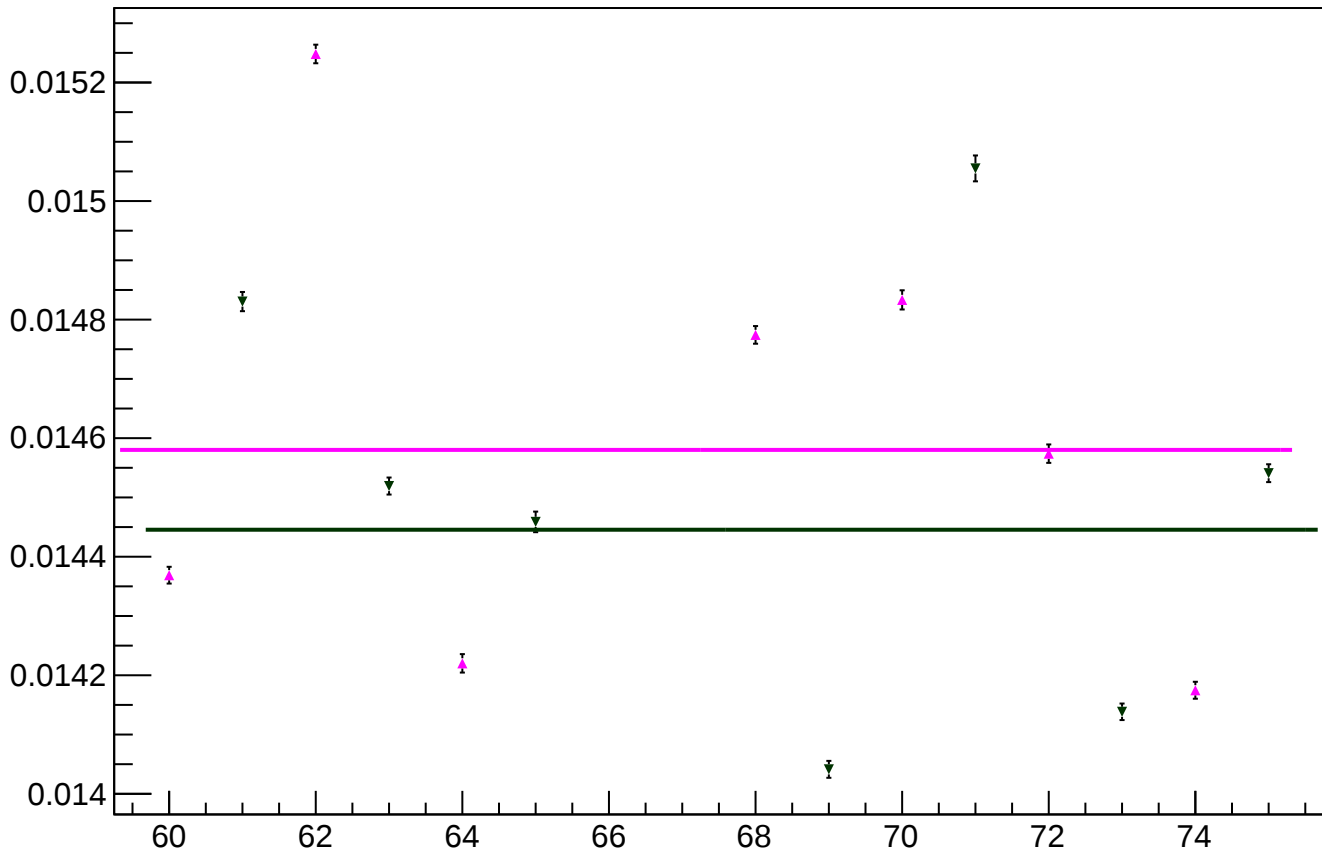
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.405+/-0.000  $\chi^2/\text{NDF}$ : 136340491.2/6

-0.368+/-0.000  $\chi^2/\text{NDF}$ : 218168648.9/6

-0.405+/-0.000  $\chi^2/\text{NDF}$ : 136340491.2/6

# yield\_bpm0l07X\_rms vs slug



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

Left Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 2697.9/6

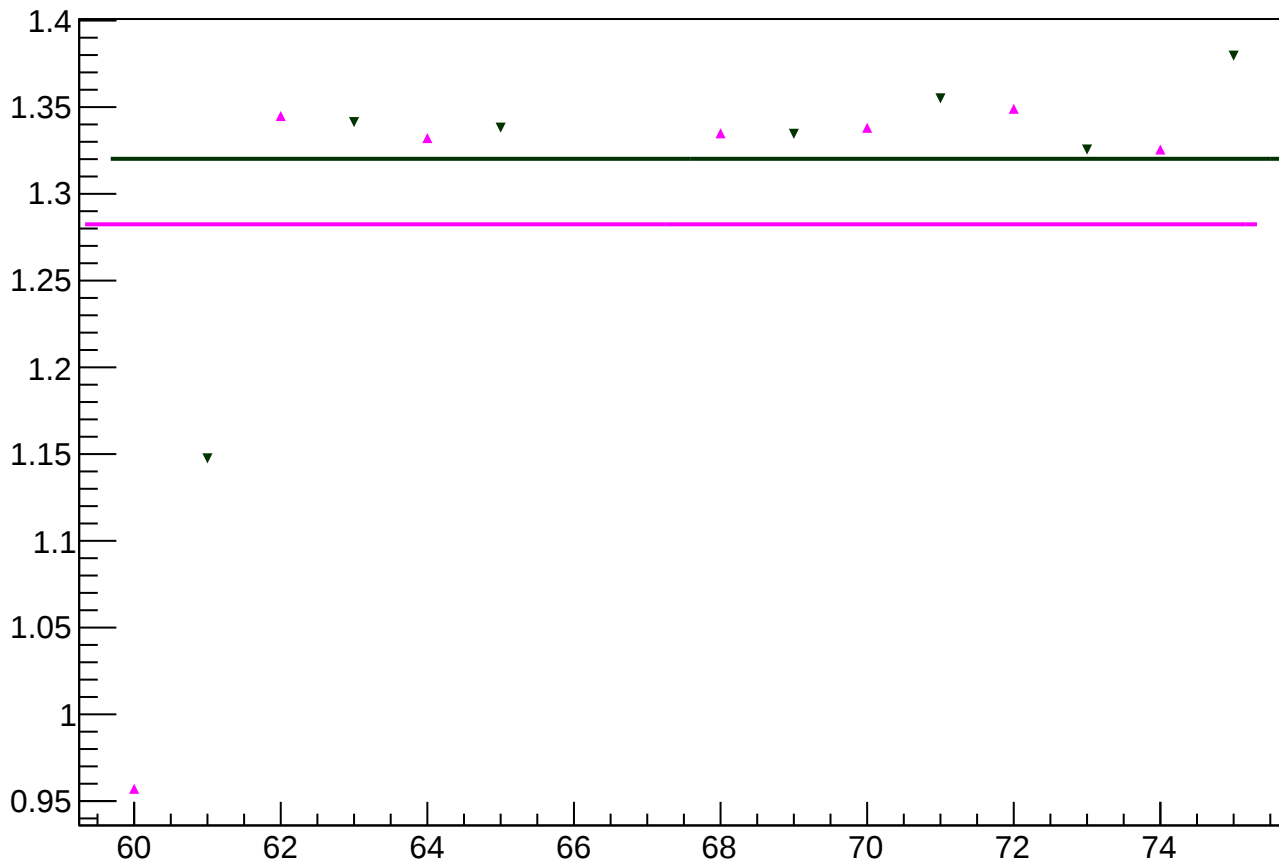
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 3791.9/6

0.014+/-0.000  $\chi^2/\text{NDF}$ : 2697.9/6

0.015+/-0.000  $\chi^2/\text{NDF}$ : 3791.9/6

# yield\_bpm0l07Y\_mean vs slug



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

Left Out: 1.320+/-0.000  $\chi^2/\text{NDF}$ : 1699345510.8/6

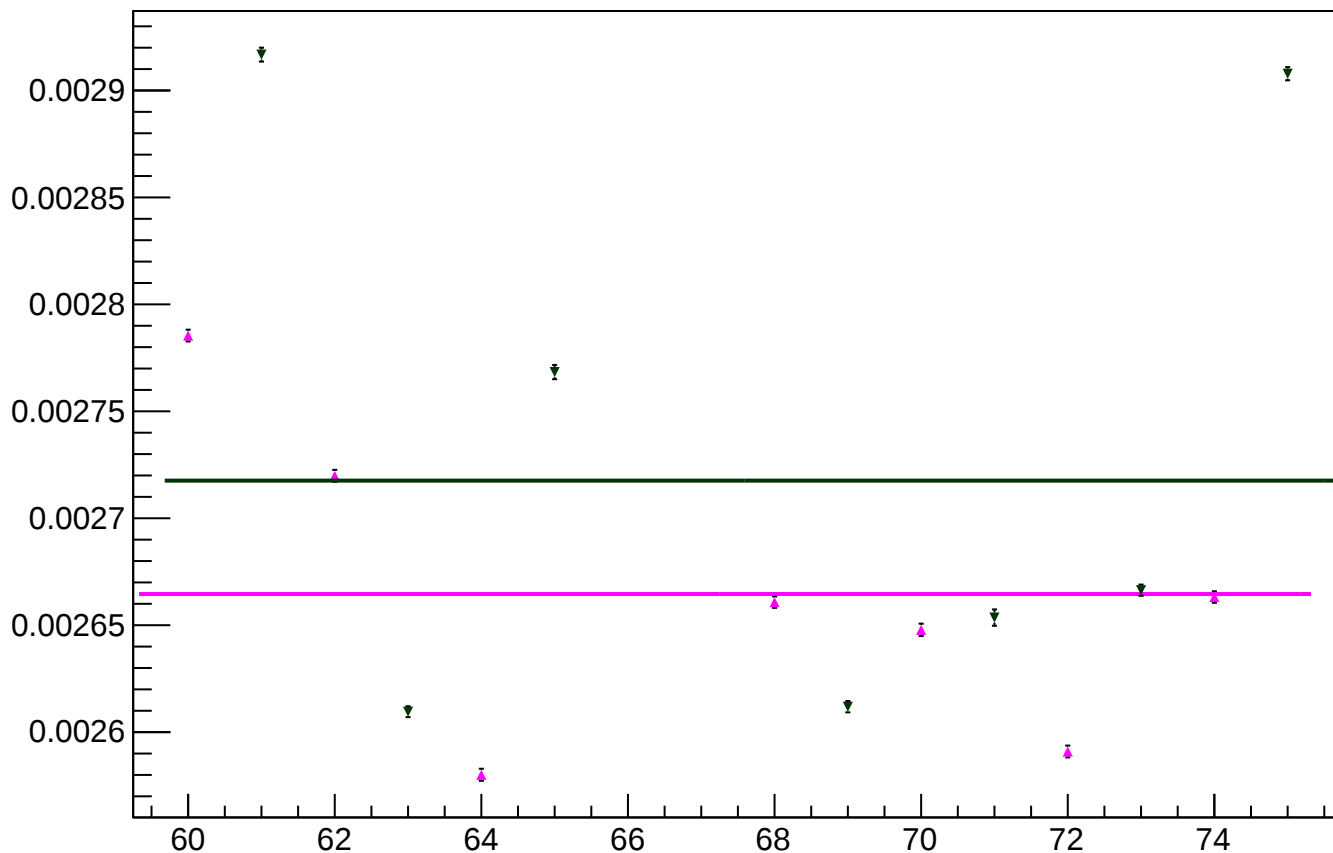
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.282+/-0.000  $\chi^2/\text{NDF}$ : 8162370099.6/6

1.320+/-0.000  $\chi^2/\text{NDF}$ : 1699345510.8/6

1.282+/-0.000  $\chi^2/\text{NDF}$ : 8162370099.6/6

# yield\_bpm0l07Y\_rms vs slug



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

Left Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ :11804.3/6

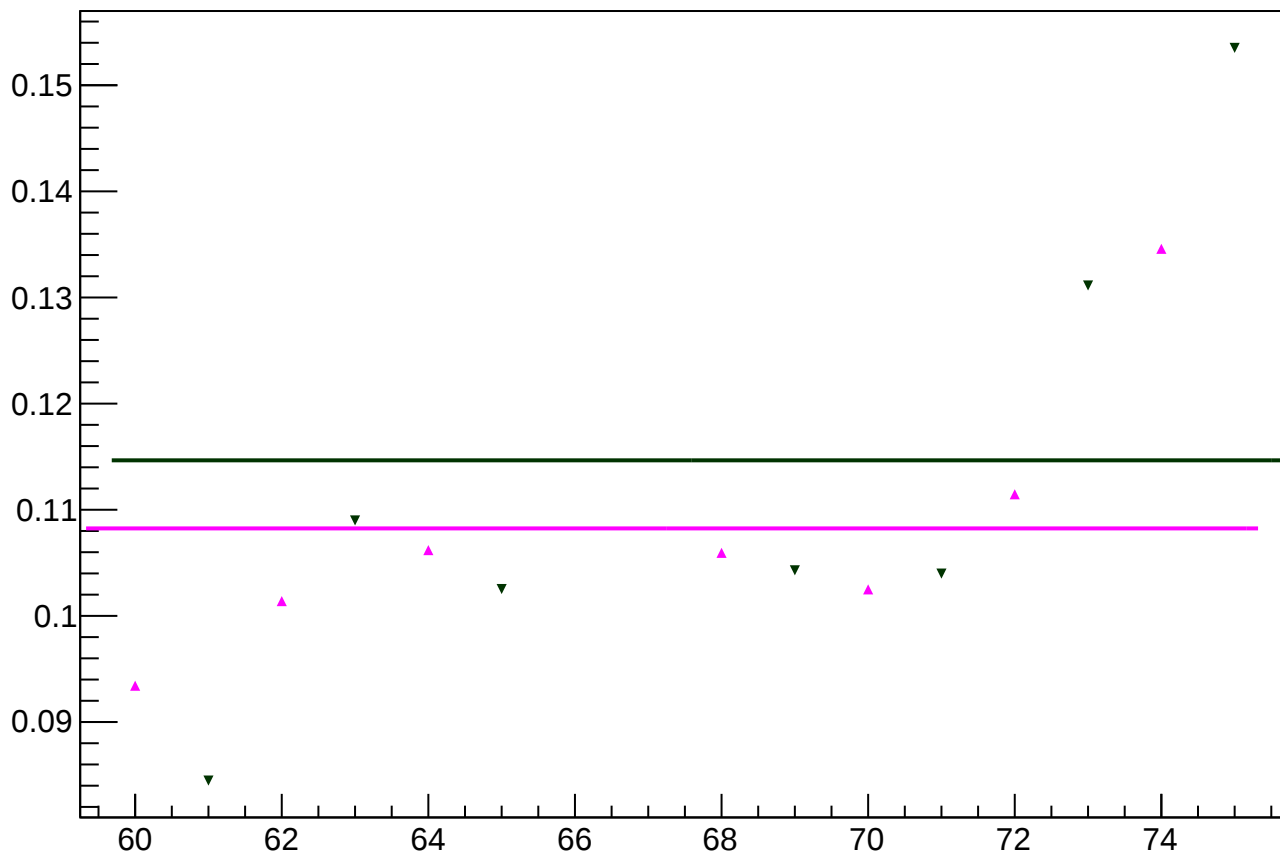
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.003+/-0.000  $\chi^2/\text{NDF}$ :3950.6/6

0.003+/-0.000  $\chi^2/\text{NDF}$ : 11804.3/6

0.003+/-0.000  $\chi^2/\text{NDF}$ : 3950.6/6

# yield\_bpm0l08X\_mean vs slug



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

Left Out: 0.115+/-0.000  $\chi^2/\text{NDF}$ : 7231644.6/6

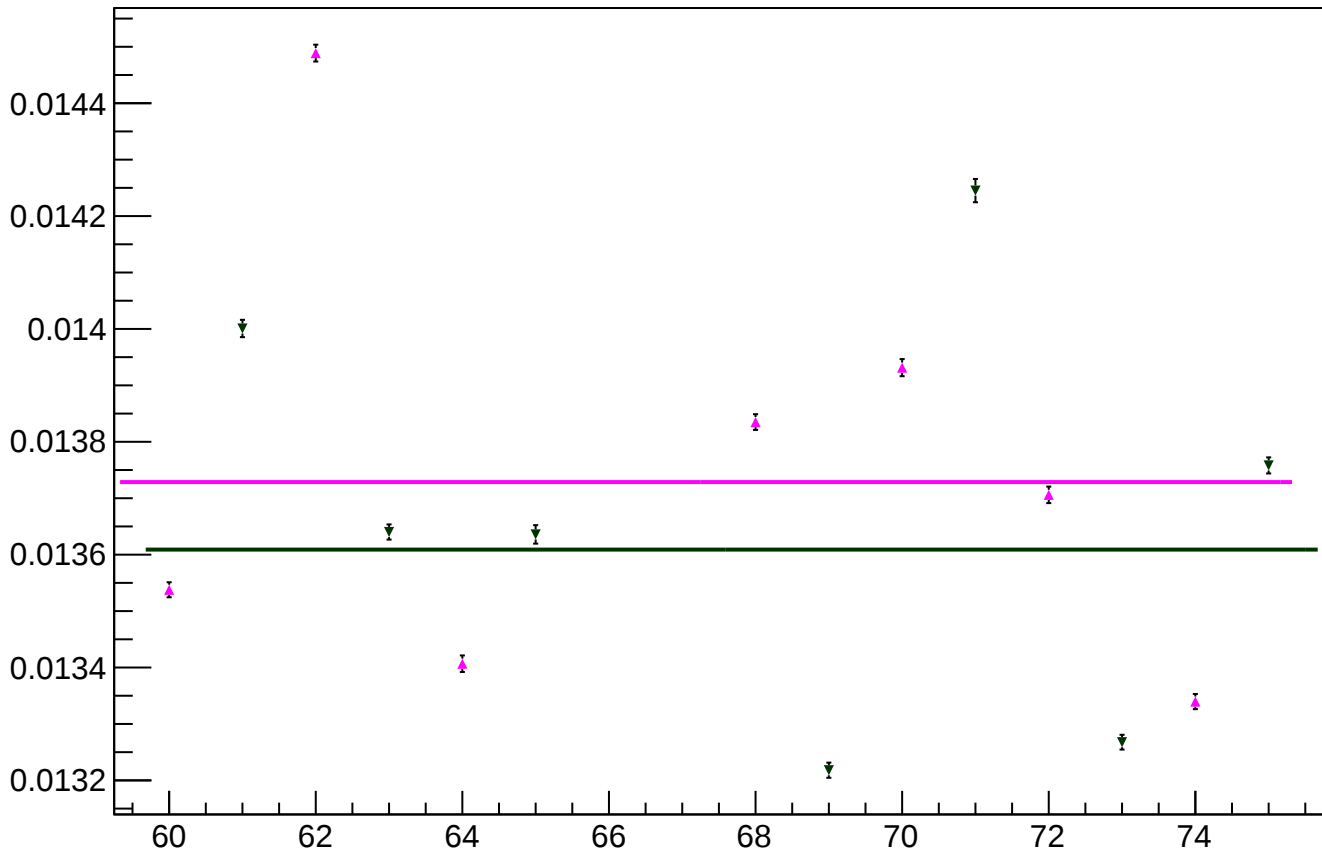
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.108+/-0.000  $\chi^2/\text{NDF}$ : 2763407.7/6

0.115+/-0.000  $\chi^2/\text{NDF}$ : 7231644.6/6

0.108+/-0.000  $\chi^2/\text{NDF}$ : 2763407.7/6

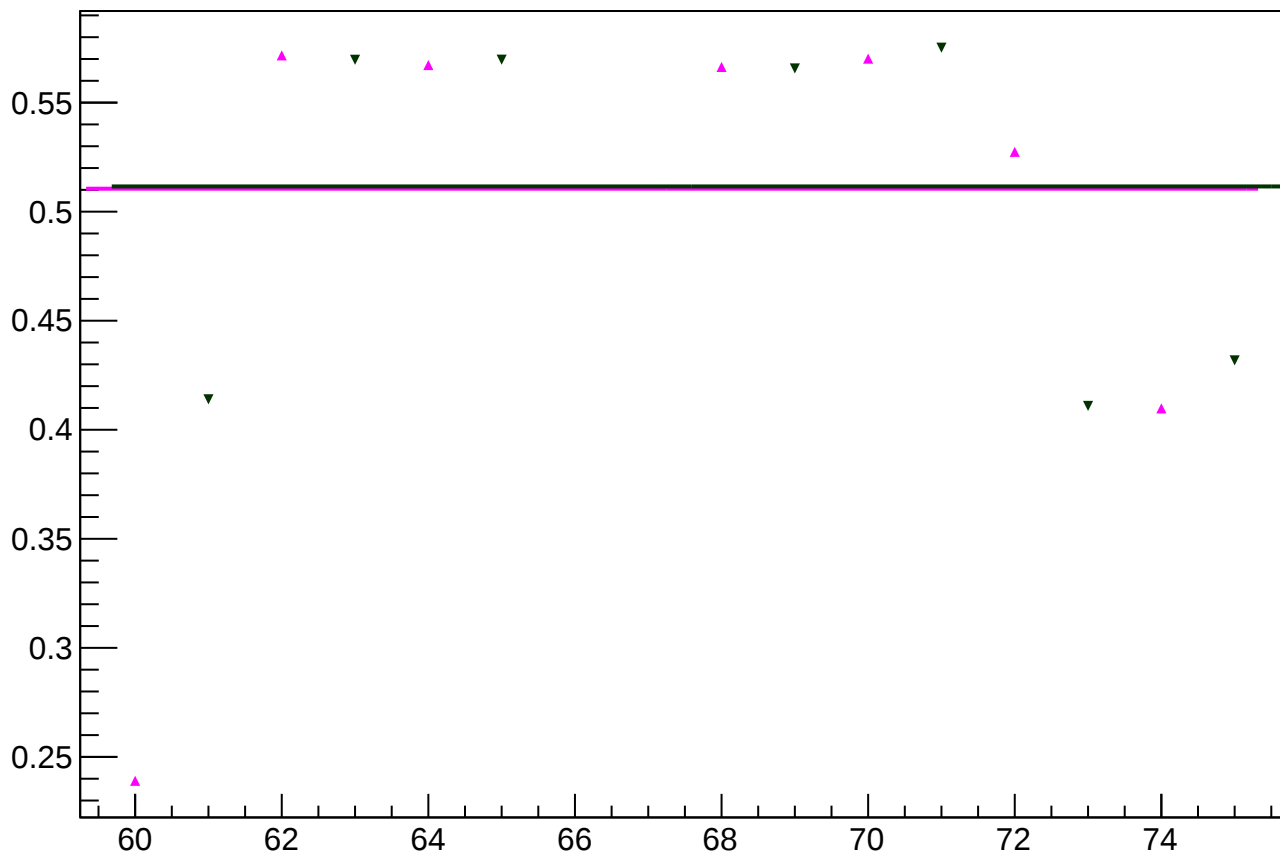
# yield\_bpm0l08X\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 3244.0/6  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 4352.0/6

0.014+/-0.000  $\chi^2/\text{NDF}$ : 3244.0/6  
0.014+/-0.000  $\chi^2/\text{NDF}$ : 4352.0/6

# yield\_bpm0l08Y\_mean vs slug



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

Left Out: 0.512+/-0.000  $\chi^2/\text{NDF}$ :1852512979.4/6

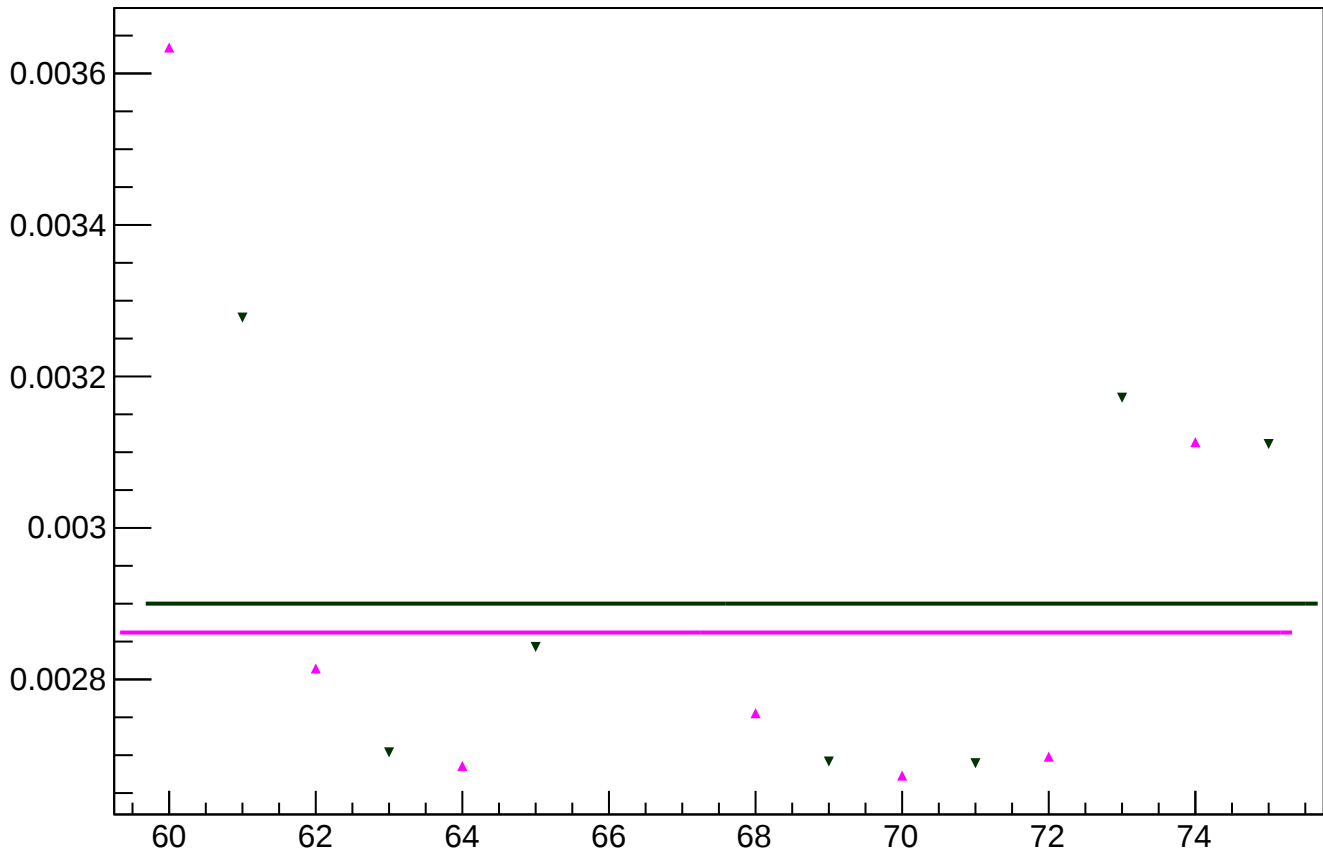
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.511+/-0.000  $\chi^2/\text{NDF}$ :4008041107.1/6

0.512+/-0.000  $\chi^2/\text{NDF}$ : 1852512979.4/6

0.511+/-0.000  $\chi^2/\text{NDF}$ : 4008041107.1/6

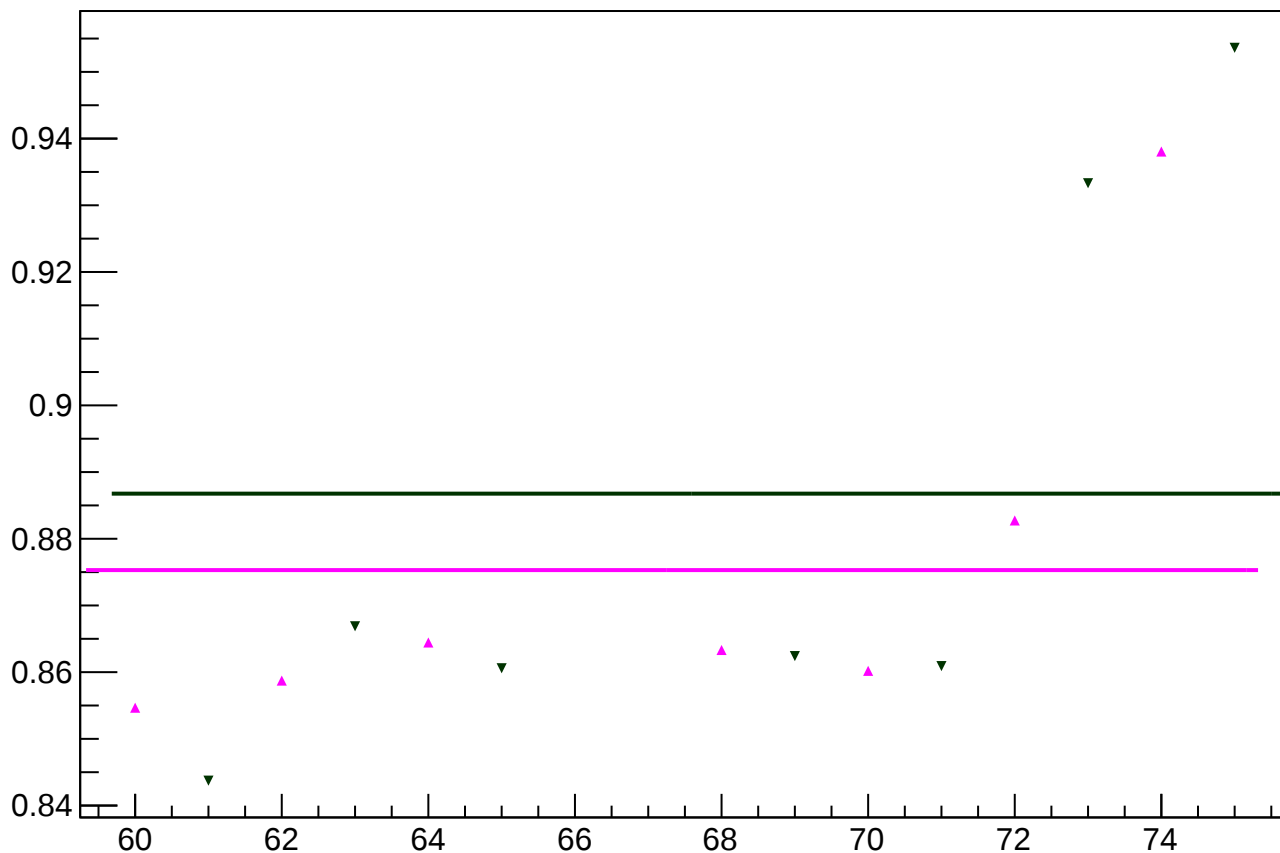
# yield\_bpm0l08Y\_rms vs slug



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.003+/-0.000     $\chi^2/\text{NDF}$ : 36254.8/6  
 Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.003+/-0.000     $\chi^2/\text{NDF}$ : 62312.5/6

0.003+/-0.000     $\chi^2/\text{NDF}$ : 36254.8/6  
 0.003+/-0.000     $\chi^2/\text{NDF}$ : 62312.5/6

# yield\_bpm0l09X\_mean vs slug



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

Left Out: 0.887+/-0.000  $\chi^2/\text{NDF}$ : 26065662.1/6

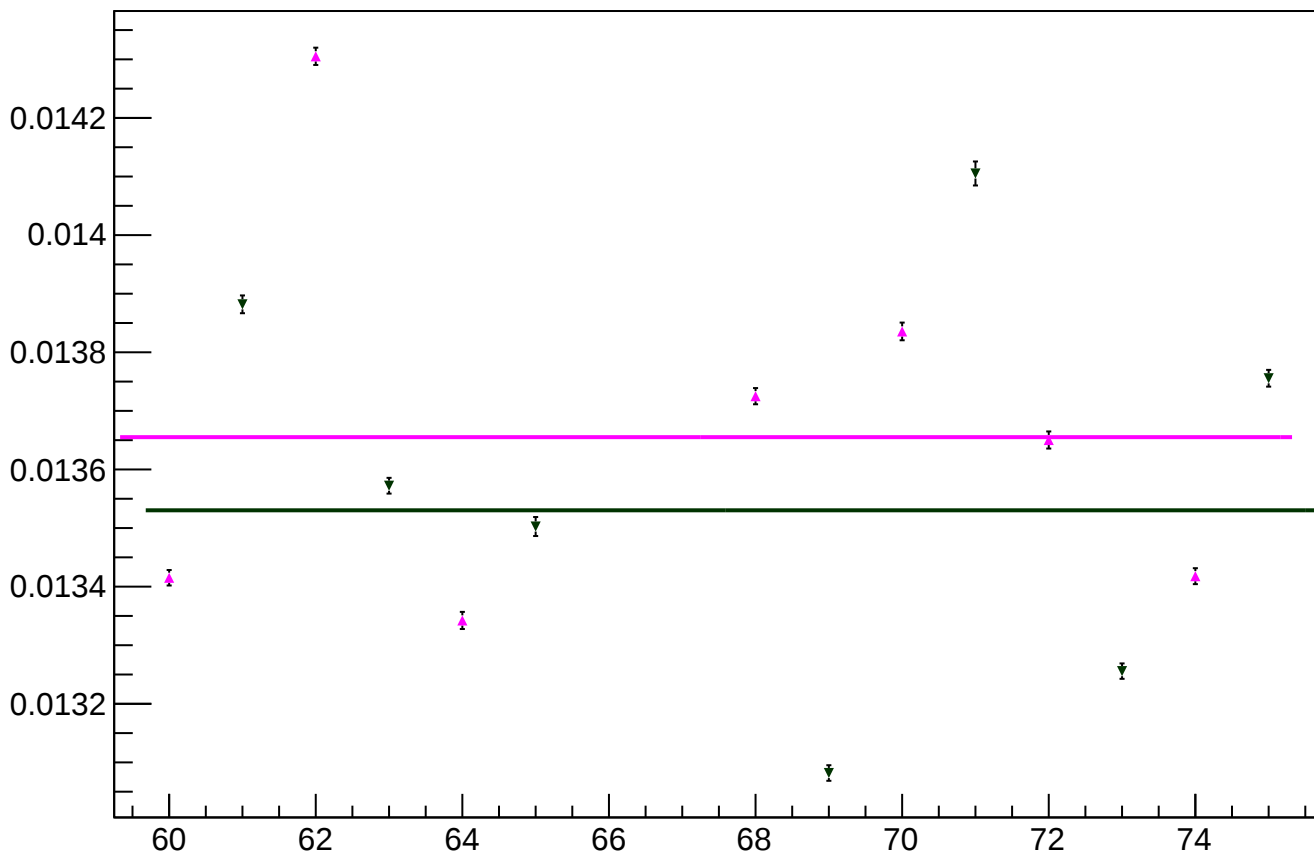
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.875+/-0.000  $\chi^2/\text{NDF}$ : 13774164.6/6

0.887+/-0.000  $\chi^2/\text{NDF}$ : 26065662.1/6

0.875+/-0.000  $\chi^2/\text{NDF}$ : 13774164.6/6

# yield\_bpm0l09X\_rms vs slug



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

Left Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 3158.1/6

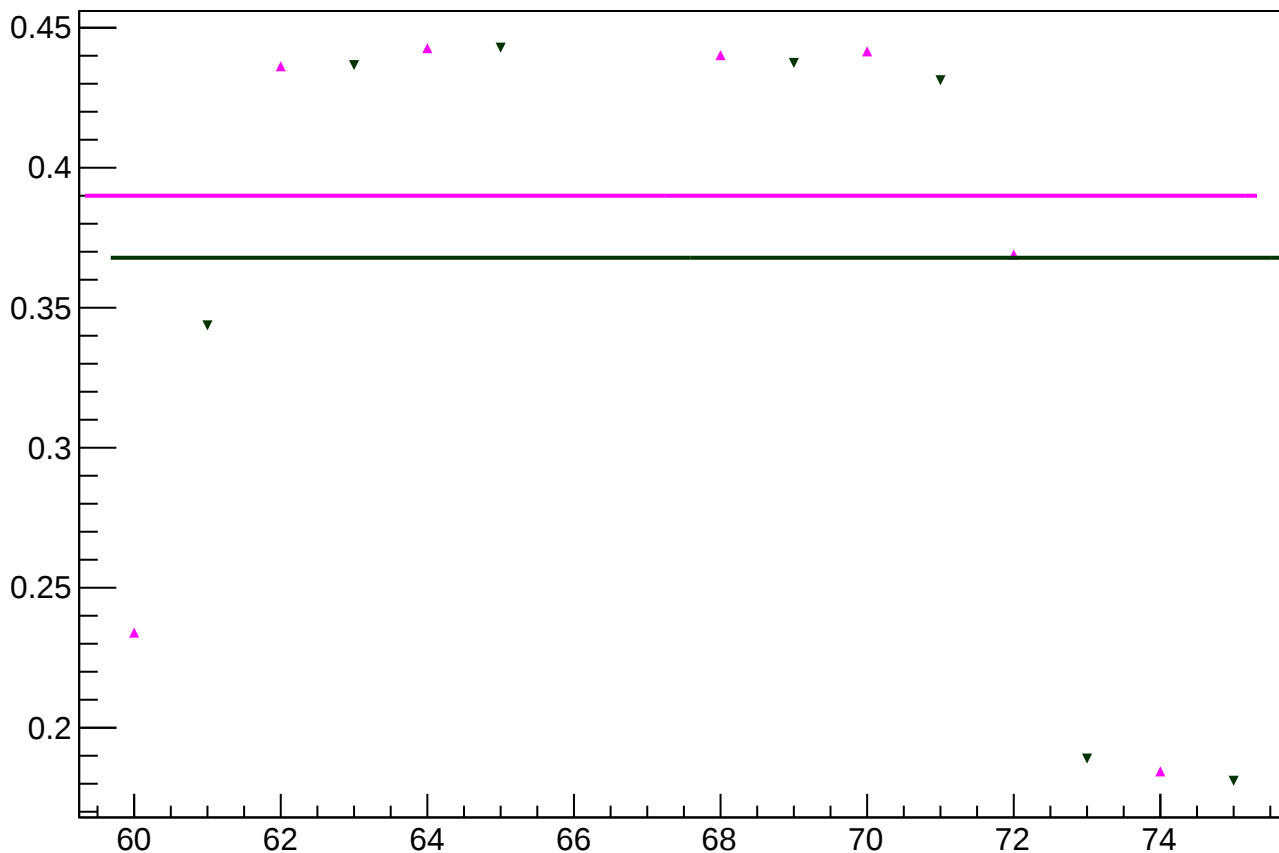
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 3202.1/6

0.014+/-0.000  $\chi^2/\text{NDF}$ : 3158.1/6

0.014+/-0.000  $\chi^2/\text{NDF}$ : 3202.1/6

# yield\_bpm0l09Y\_mean vs slug



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

Left Out: 0.368+/-0.000  $\chi^2/\text{NDF}$ : 3211793418.3/6

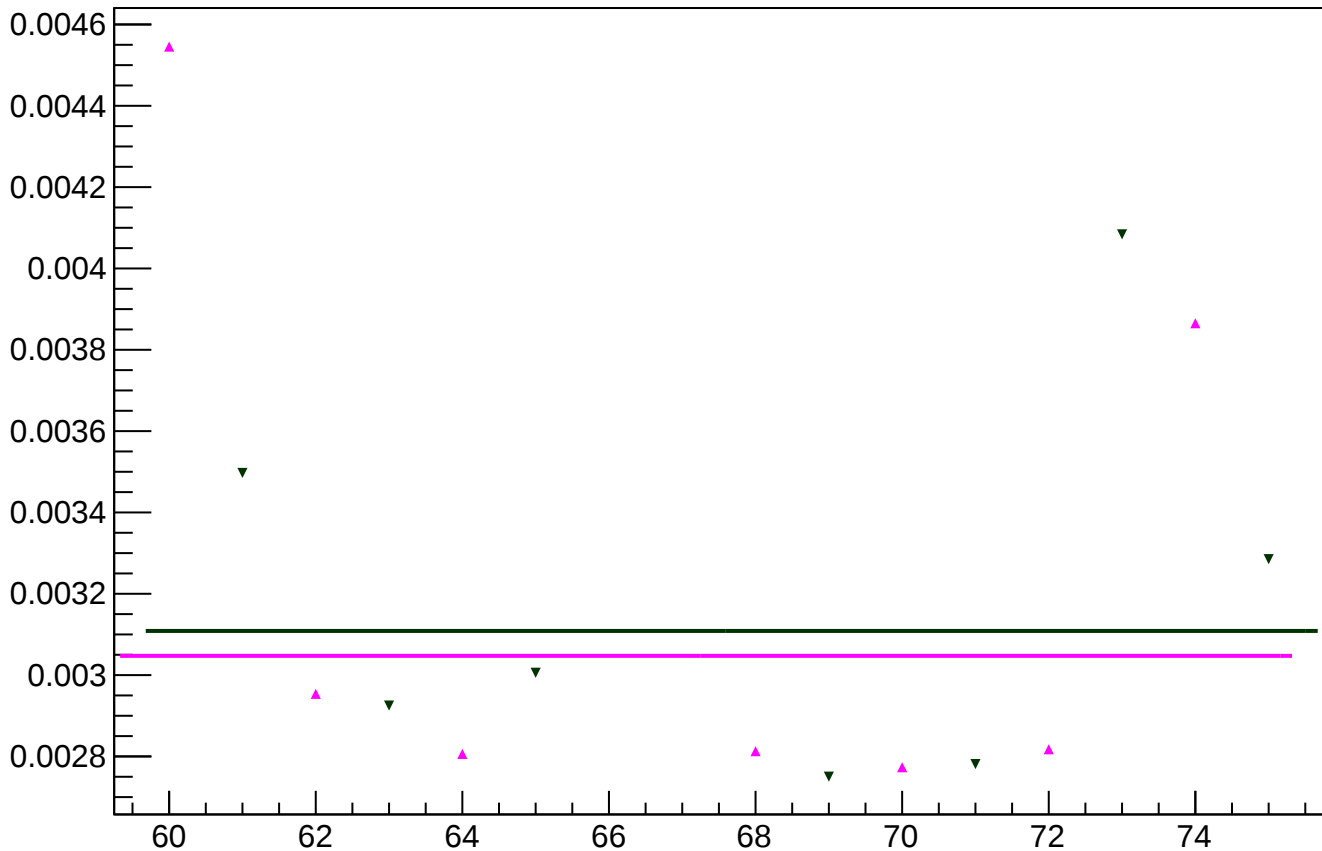
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.390+/-0.000  $\chi^2/\text{NDF}$ : 2416546084.9/6

0.368+/-0.000  $\chi^2/\text{NDF}$ : 3211793418.3/6

0.390+/-0.000  $\chi^2/\text{NDF}$ : 2416546084.9/6

# yield\_bpm0l09Y\_rms vs slug



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

Left Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 94323.9/6

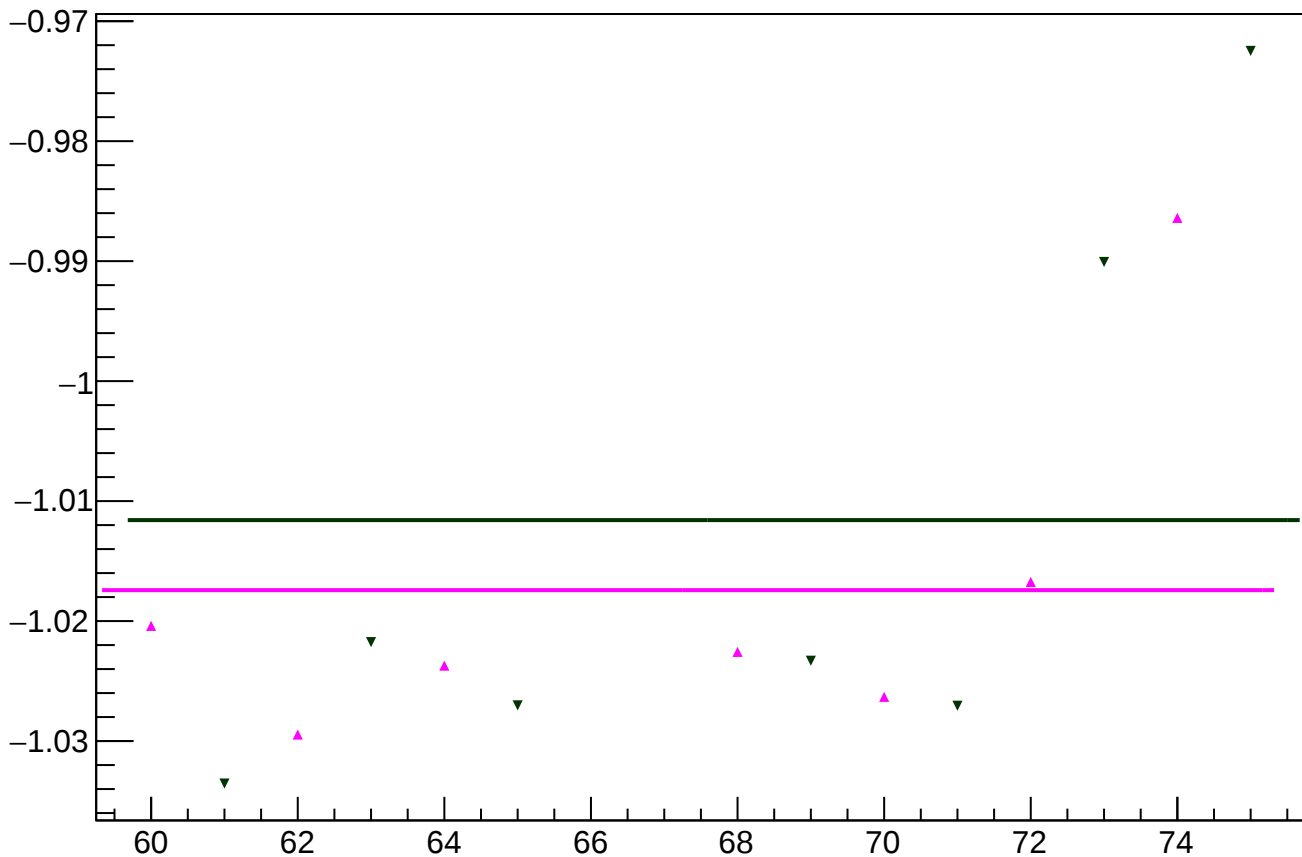
0.003+/-0.000  $\chi^2/\text{NDF}$ : 94323.9/6

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

0.003+/-0.000  $\chi^2/\text{NDF}$ : 168593.4/6

Left In: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 168593.4/6

# yield\_bpm0l10X\_mean vs slug



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

Left Out: -1.012+/-0.000  $\chi^2/\text{NDF}$ : 7611673.7/6

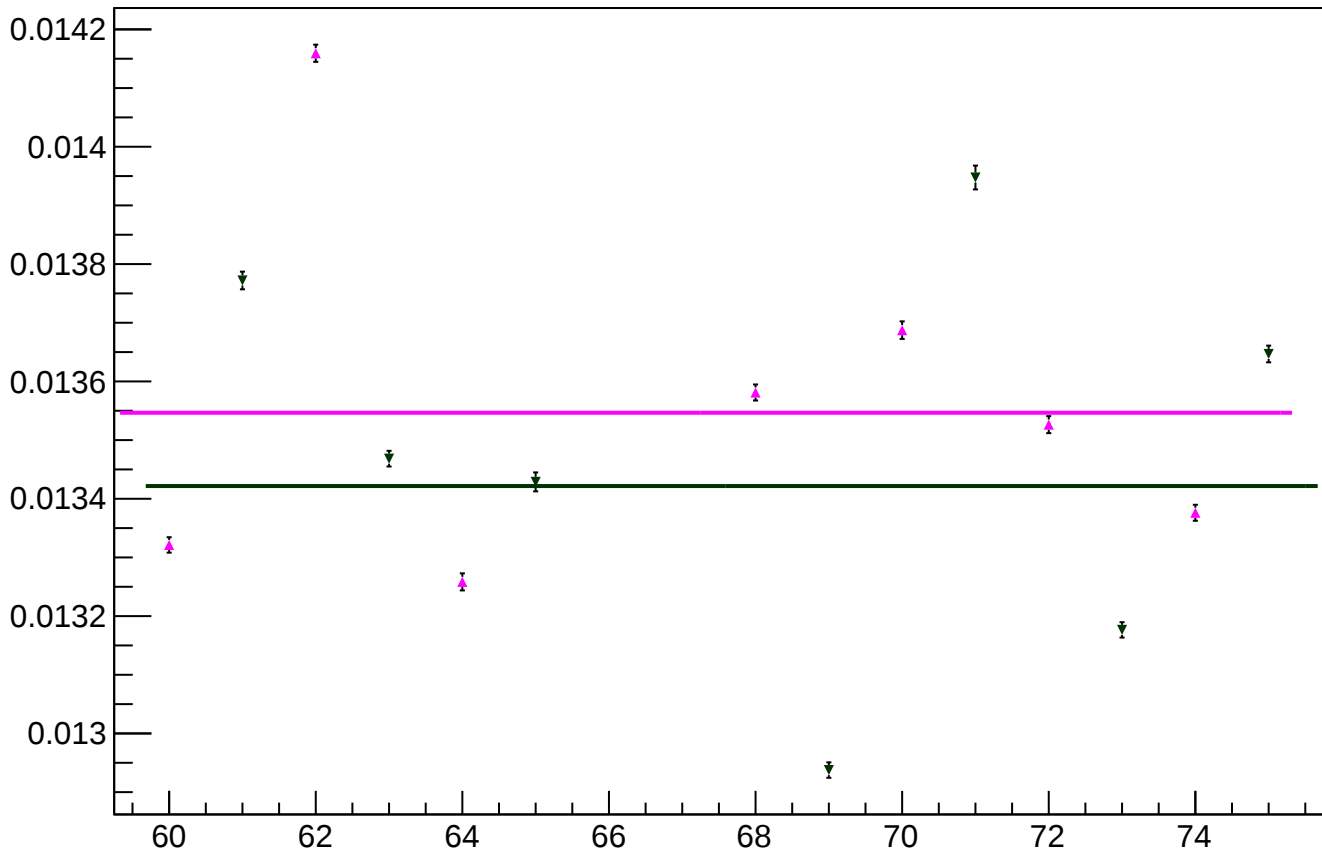
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.017+/-0.000  $\chi^2/\text{NDF}$ : 3297001.3/6

-1.012+/-0.000  $\chi^2/\text{NDF}$ : 7611673.7/6

-1.017+/-0.000  $\chi^2/\text{NDF}$ : 3297001.3/6

# yield\_bpm0l10X\_rms vs slug



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

Left Out: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 3176.7/6

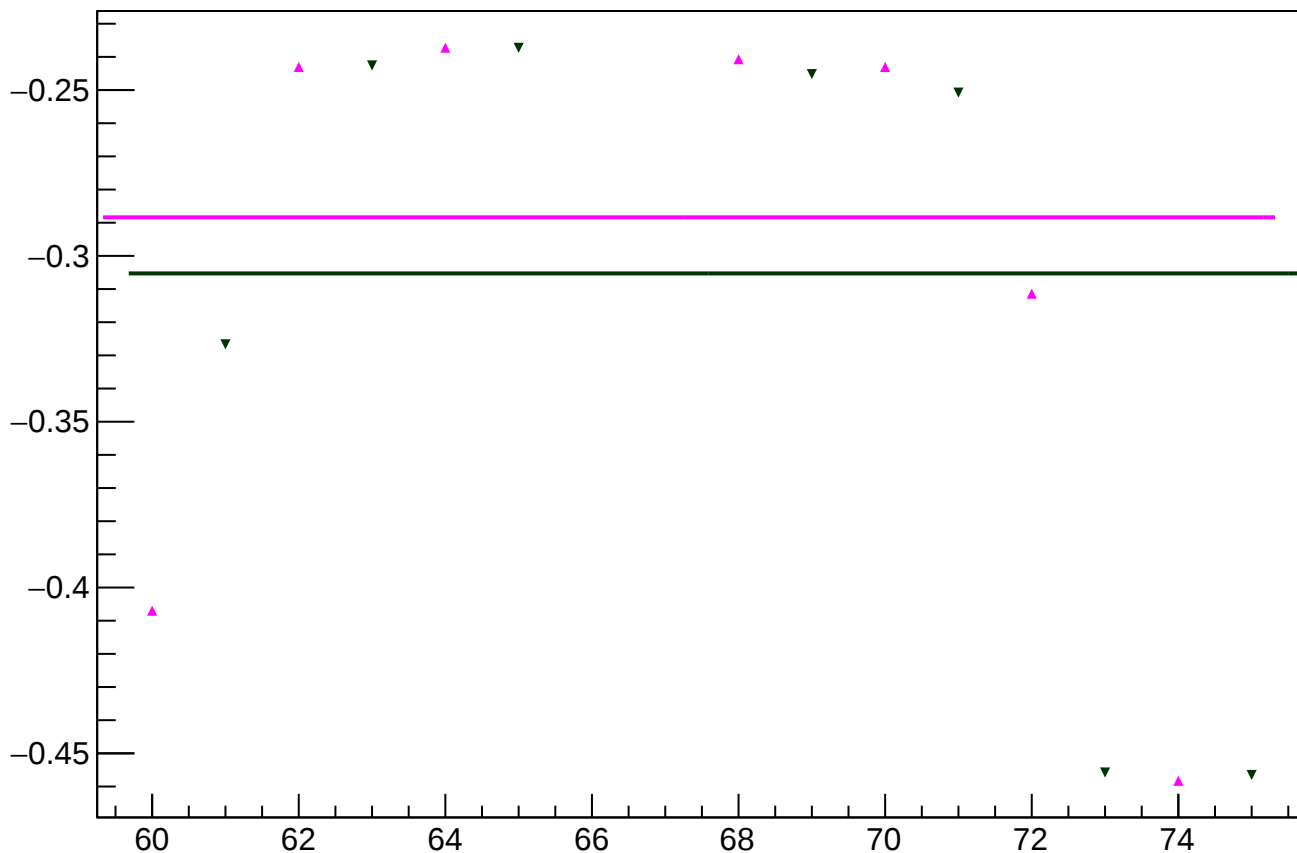
0.013+/-0.000  $\chi^2/\text{NDF}$ : 3176.7/6

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

0.014+/-0.000  $\chi^2/\text{NDF}$ : 2691.9/6

Left In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 2691.9/6

# yield\_bpm0l10Y\_mean vs slug



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

Left Out: -0.305+/-0.000  $\chi^2/\text{NDF}$ : 2304854802.9/6

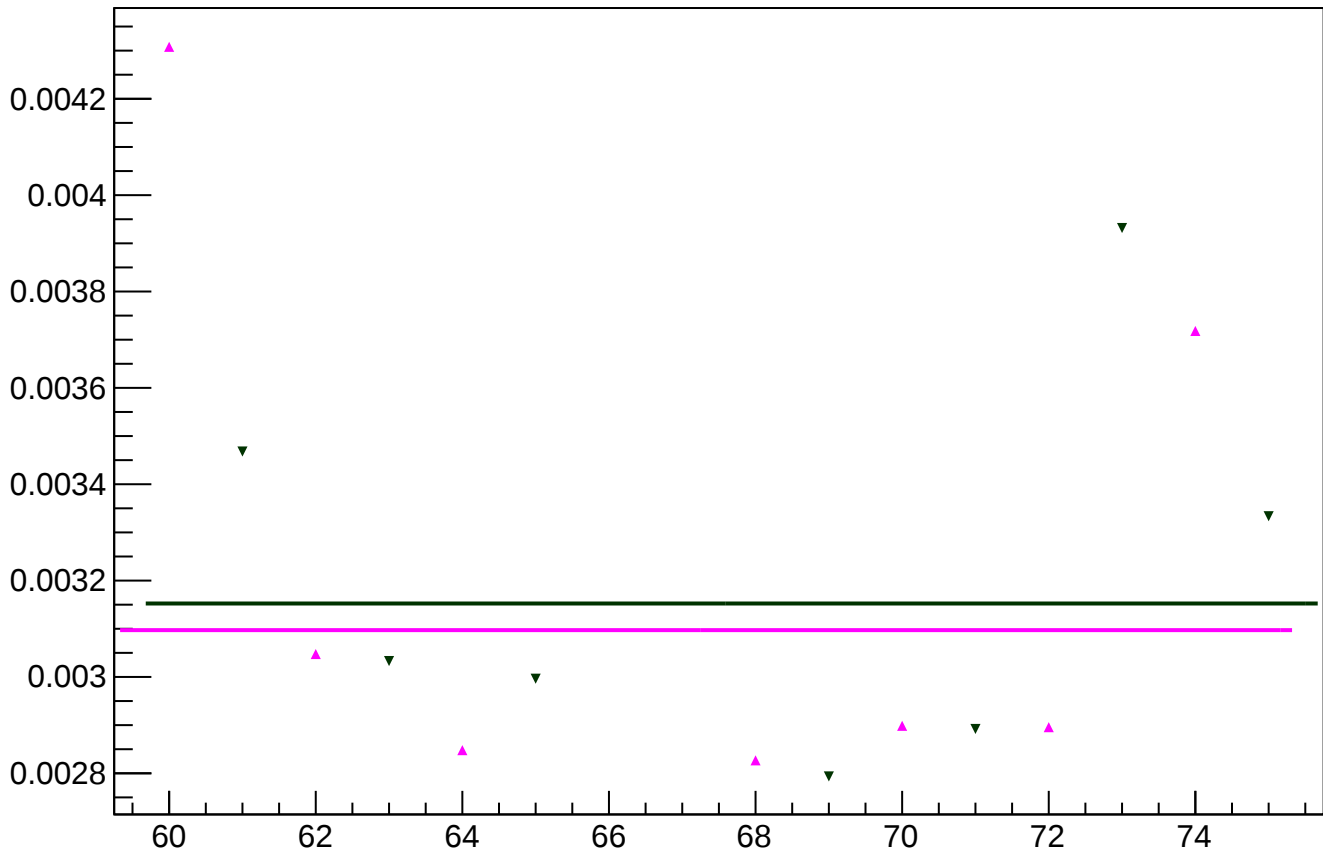
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.288+/-0.000  $\chi^2/\text{NDF}$ : 1833138891.2/6

-0.305+/-0.000  $\chi^2/\text{NDF}$ : 2304854802.9/6

-0.288+/-0.000  $\chi^2/\text{NDF}$ : 1833138891.2/6

# yield\_bpm0l10Y\_rms vs slug



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

Left Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 70593.8/6

0.003+/-0.000  $\chi^2/\text{NDF}$ : 70593.8/6

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

0.003+/-0.000  $\chi^2/\text{NDF}$ : 124145.0/6

Left In: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 124145.0/6