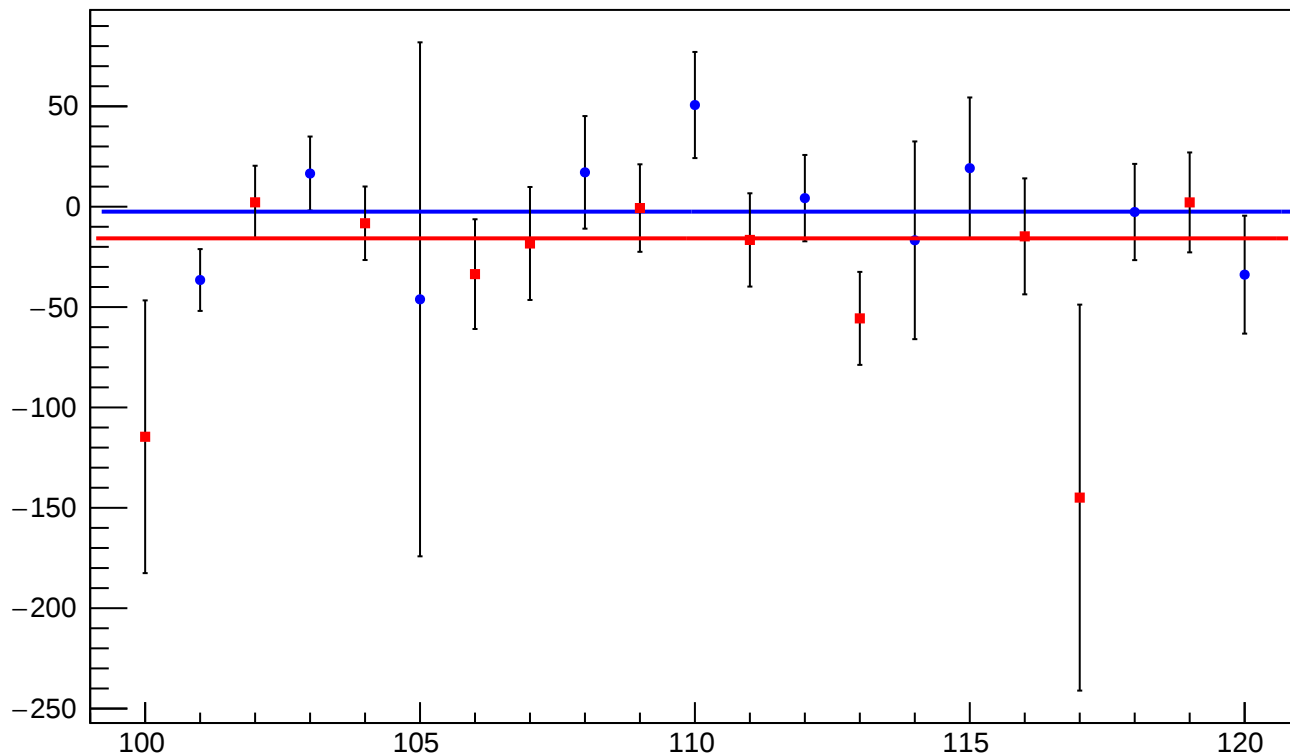


# diff\_bpm4aX\_mean vs slug



Right In: -2.461+/-7.856

$\chi^2/\text{NDF}$ : 12.3/9

Left Out: 0.000+/-0.000

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

Right Out: -15.765+/-7.548

$\chi^2/\text{NDF}$ : 9.5/10

Left In: 0.000+/-0.000

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

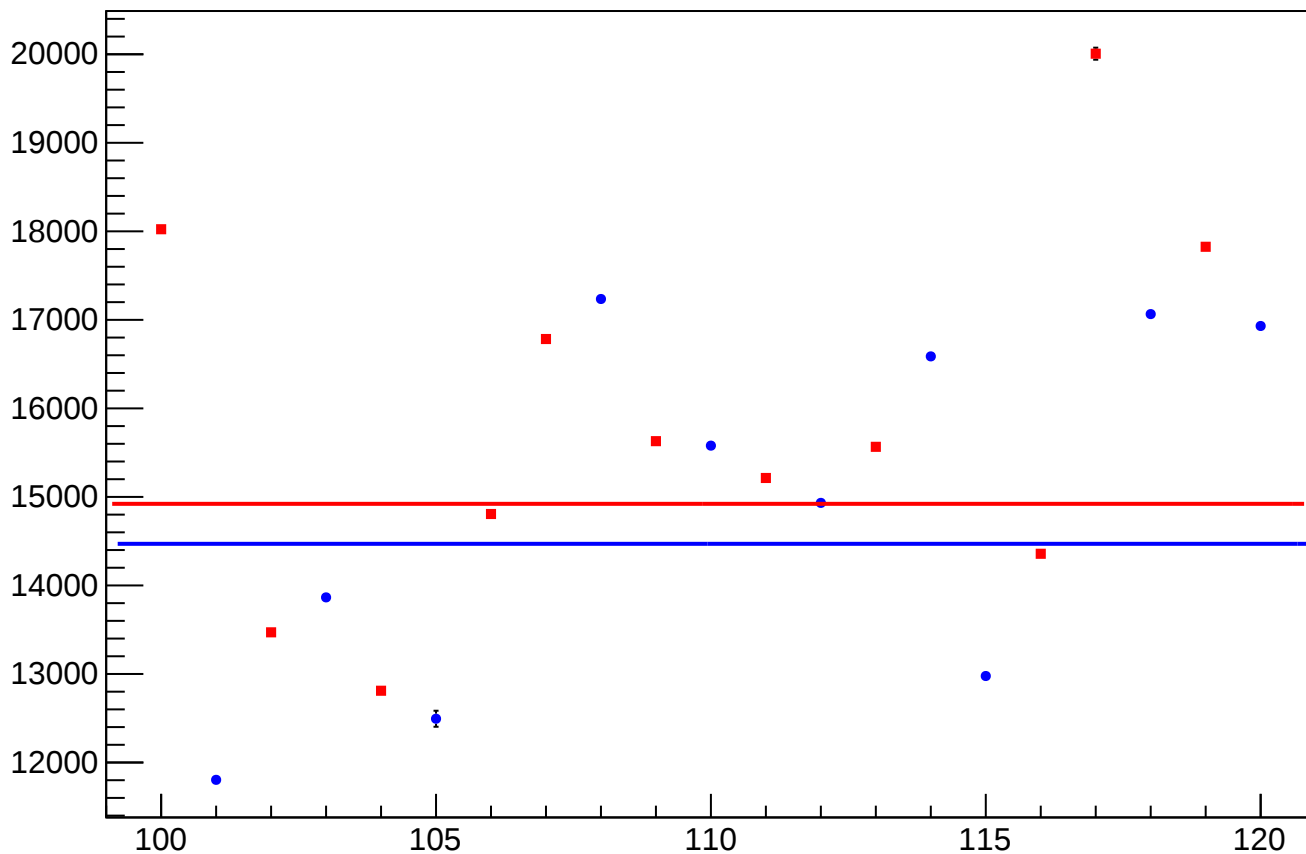
-2.461+/-7.856

$\chi^2/\text{NDF}$ : 12.3/9

-15.765+/-7.548

$\chi^2/\text{NDF}$ : 9.5/10

diff\_bpm4aX\_rms vs slug



Right In: 14470.178+/-5.555  $\chi^2/\text{NDF}$ : 131220.3/9

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

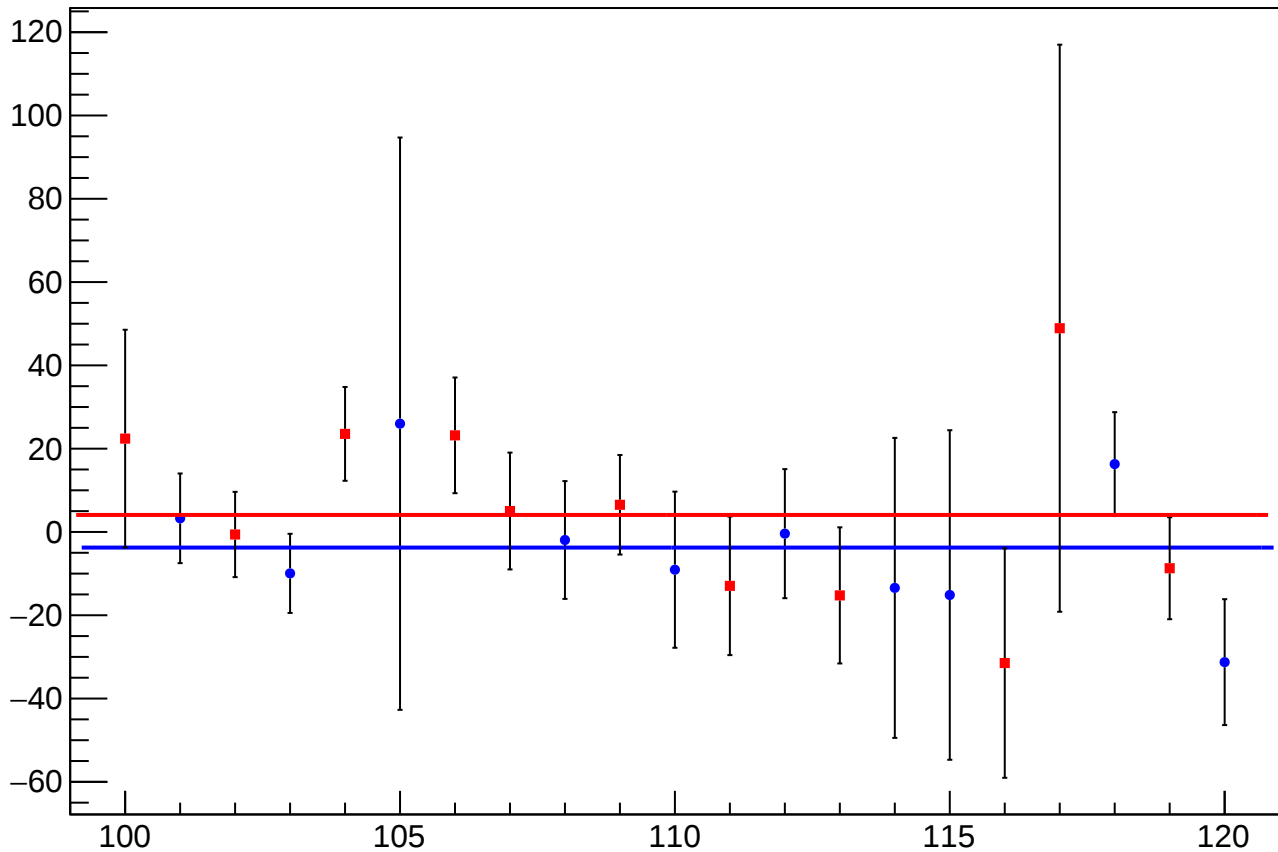
Right Out: 14921.854+/-5.337  $\chi^2/\text{NDF}$ : 89786.3/10

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

14470.178+/-5.555  $\chi^2/\text{NDF}$ : 131220.3/9

14921.854+/-5.337  $\chi^2/\text{NDF}$ : 89786.3/10

# diff\_bpm4aY\_mean vs slug



Right In: -3.749+/-4.759  $\chi^2/\text{NDF}$ : 7.2/9

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

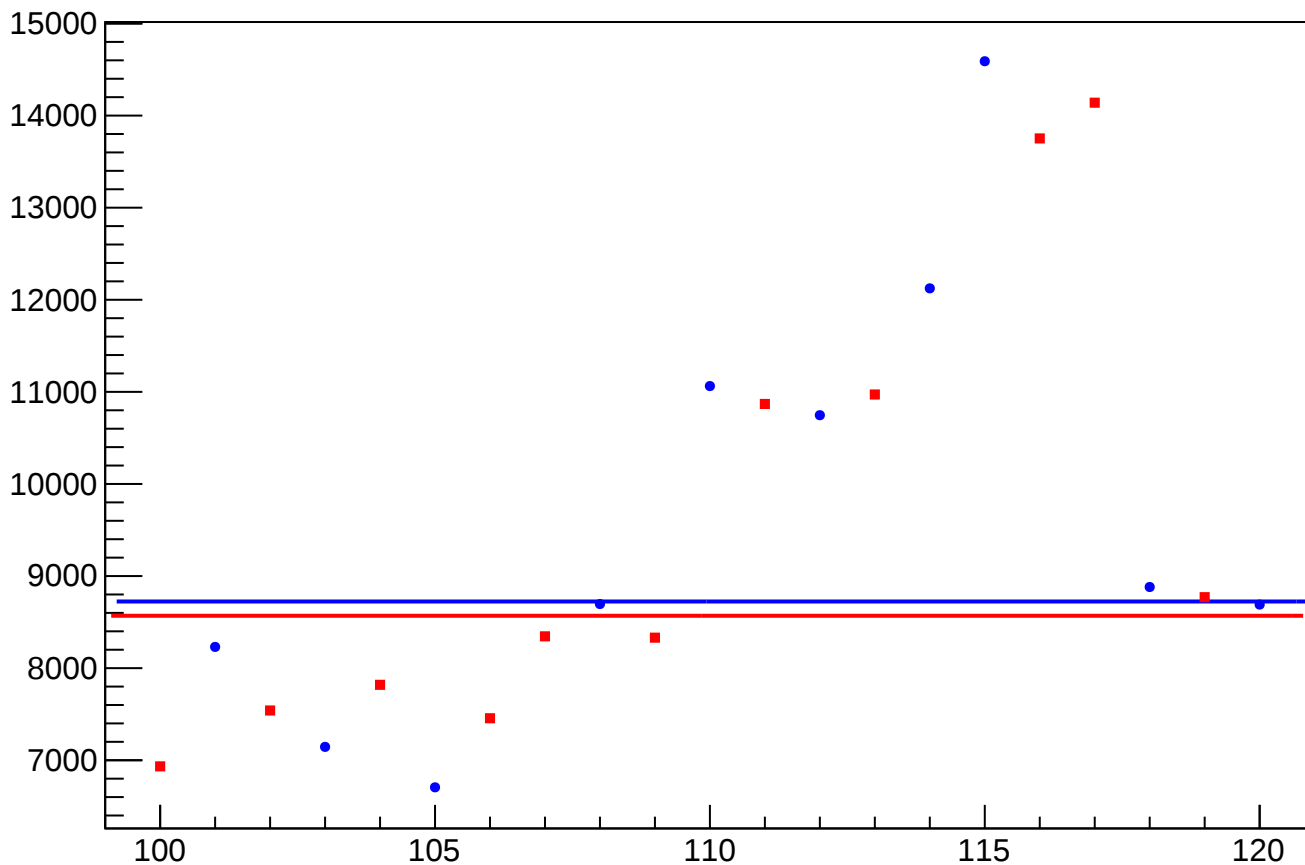
Right Out: 4.088+/-4.397  $\chi^2/\text{NDF}$ : 11.3/10

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

-3.749+/-4.759  $\chi^2/\text{NDF}$ : 7.2/9

4.088+/-4.397  $\chi^2/\text{NDF}$ : 11.3/10

# diff\_bpm4aY\_rms vs slug



Right In: 8723.902+/-3.365  $\chi^2/\text{NDF}$ : 188510.6/9

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

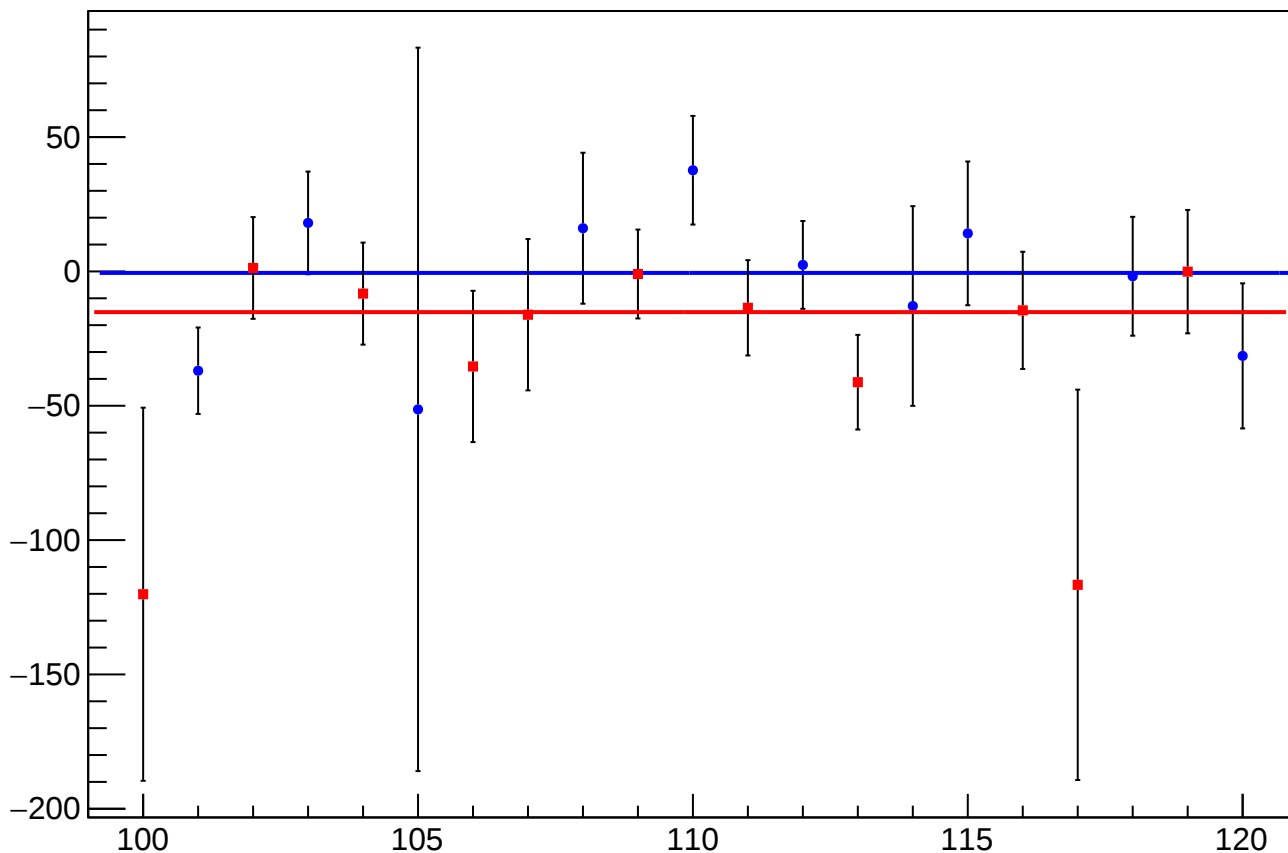
8723.902+/-3.365  $\chi^2/\text{NDF}$ : 188510.6/9

Right Out: 8568.925+/-3.109  $\chi^2/\text{NDF}$ : 217217.1/10

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

8568.925+/-3.109  $\chi^2/\text{NDF}$ : 217217.1/10

# diff\_bpm4eX\_mean vs slug



Right In: -0.556+/-7.133  $\chi^2$ /NDF: 11.9/9

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

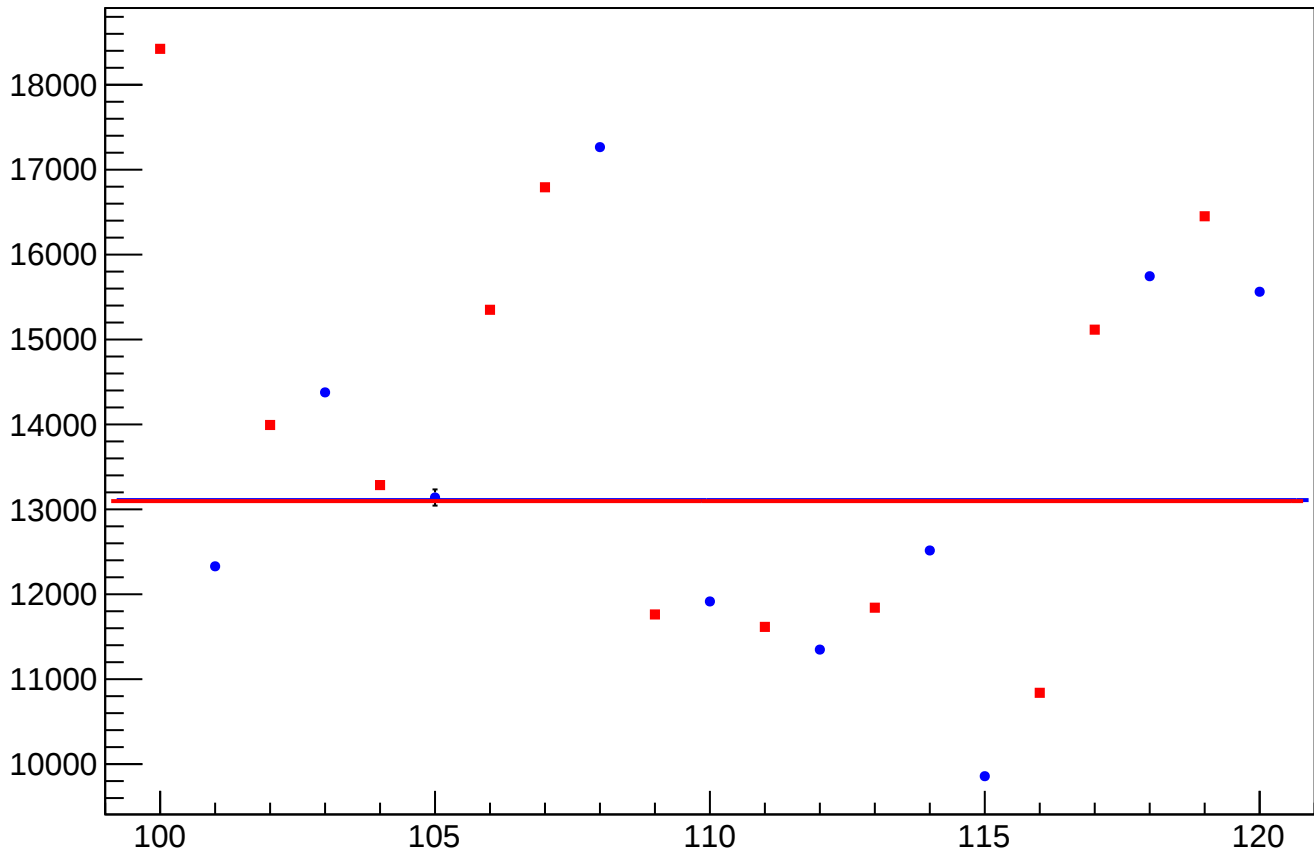
Right Out: -15.143+/-6.661  $\chi^2$ /NDF: 9.0/10

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

-0.556+/-7.133  $\chi^2$ /NDF: 11.9/9

-15.143+/-6.661  $\chi^2$ /NDF: 9.0/10

# diff\_bpm4eX\_rms vs slug



Right In: 13109.069+/-5.044  $\chi^2/\text{NDF}$ : 162466.8/9

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

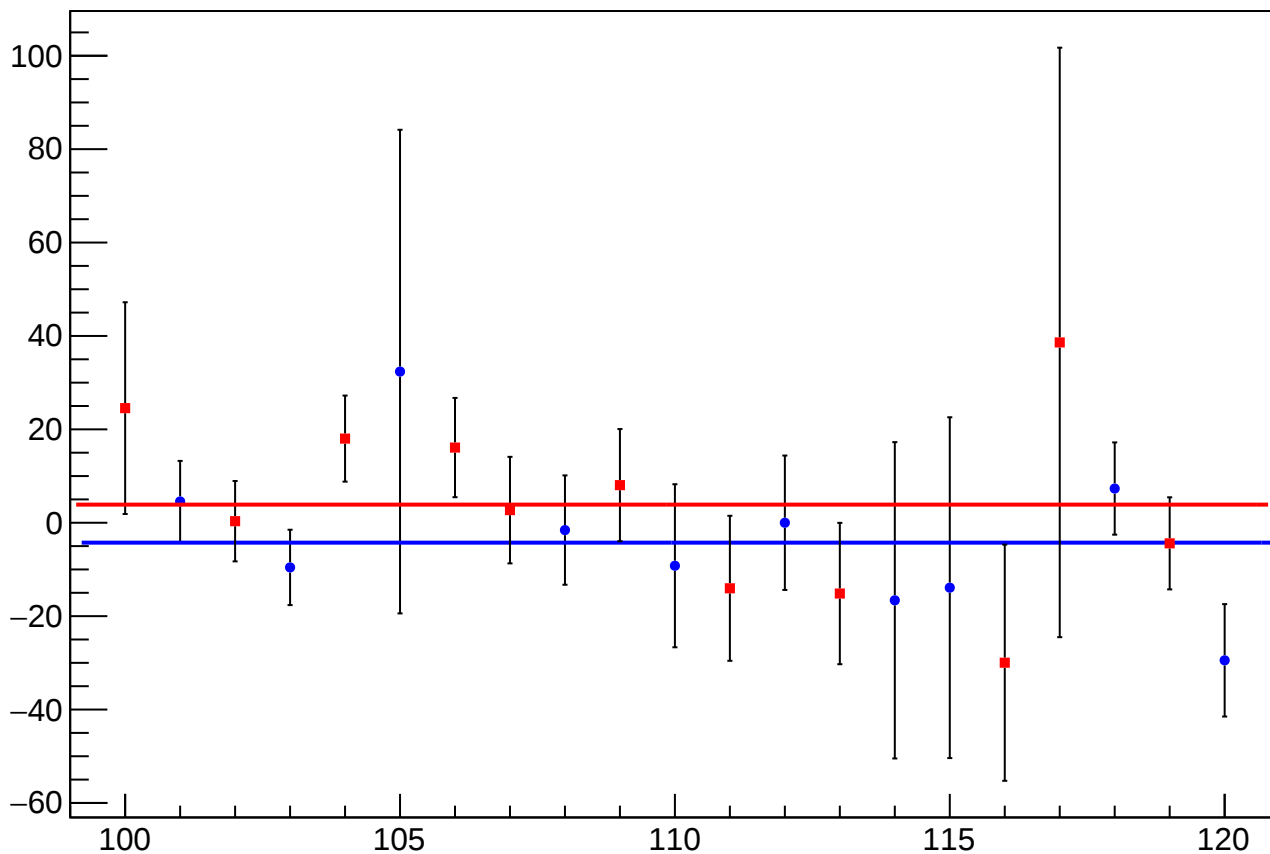
13109.069+/-5.044  $\chi^2/\text{NDF}$ : 162466.8/9

Right Out: 13097.029+/-4.710  $\chi^2/\text{NDF}$ : 166483.5/10

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

13097.029+/-4.710  $\chi^2/\text{NDF}$ : 166483.5/10

# diff\_bpm4eY\_mean vs slug



Right In: -4.259+/-3.978  $\chi^2/\text{NDF}$ : 8.2/9

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

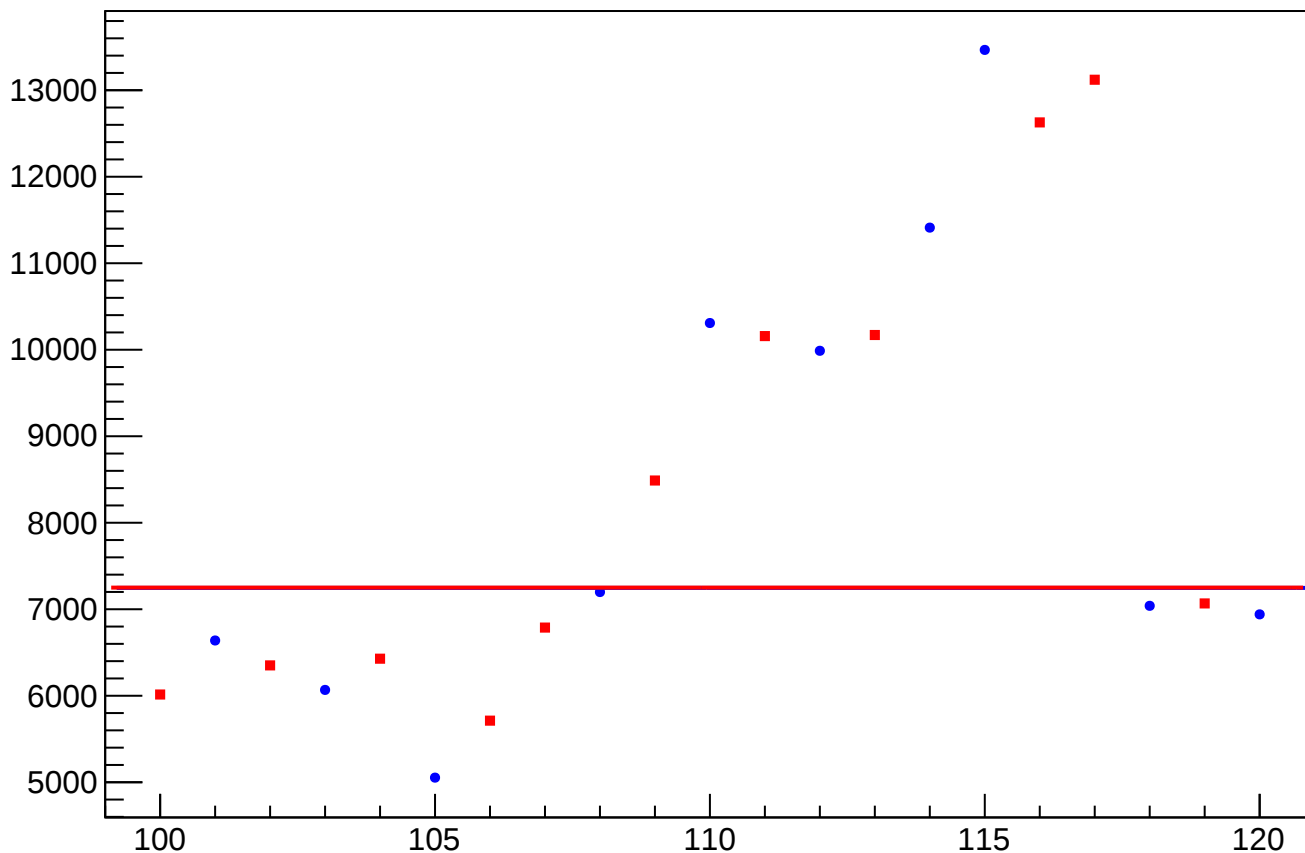
Right Out: 3.882+/-3.745  $\chi^2/\text{NDF}$ : 10.5/10

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

-4.259+/-3.978  $\chi^2/\text{NDF}$ : 8.2/9

3.882+/-3.745  $\chi^2/\text{NDF}$ : 10.5/10

# diff\_bpm4eY\_rms vs slug



Right In: 7246.787 $\pm$ 2.813  $\chi^2$ /NDF: 280792.0/9

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

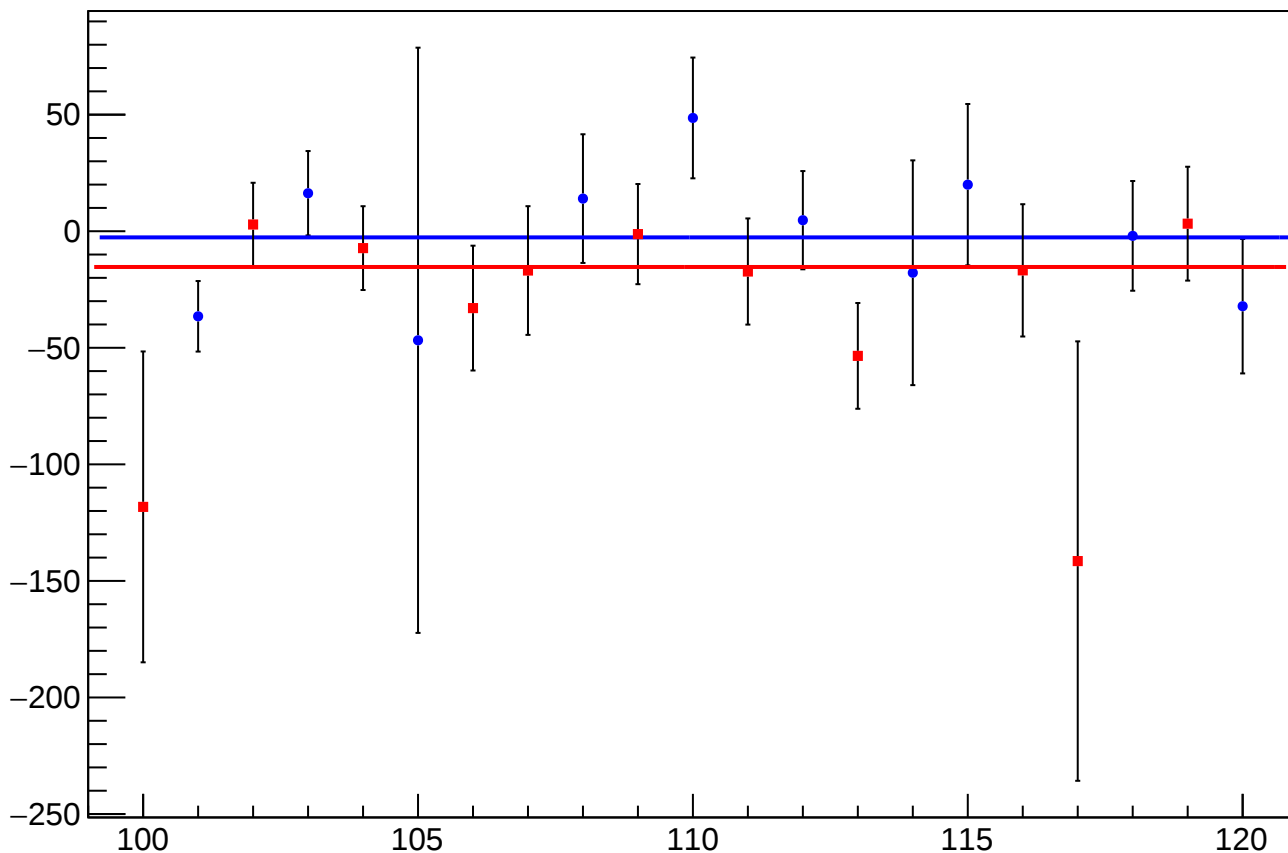
Right Out: 7250.167 $\pm$ 2.648  $\chi^2$ /NDF: 363111.1/10

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

7246.787 $\pm$ 2.813  $\chi^2$ /NDF: 280792.0/9

7250.167 $\pm$ 2.648  $\chi^2$ /NDF: 363111.1/10

# diff\_bpm4acX\_mean vs slug



Right In: -2.641+/-7.712  $\chi^2/\text{NDF}$ : 12.2/9

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

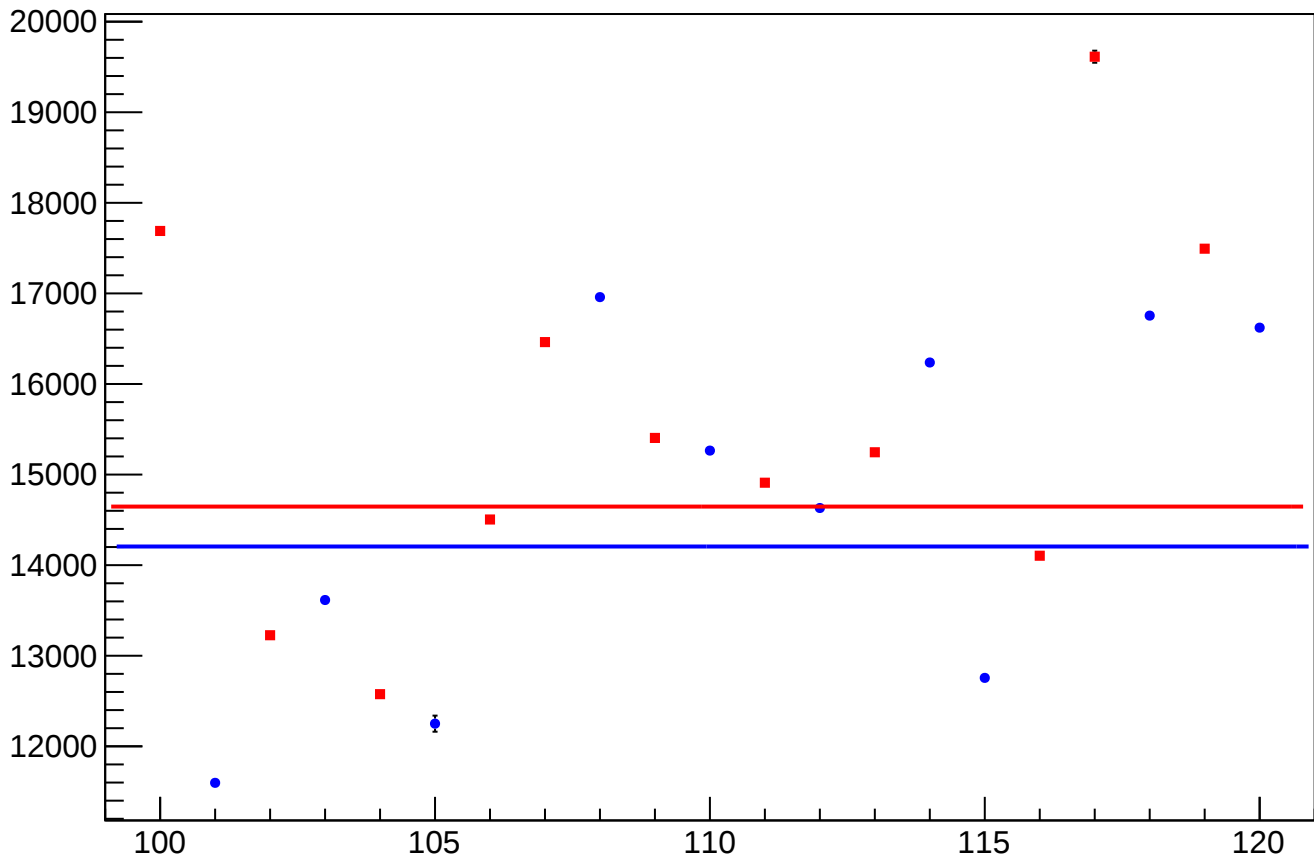
Right Out: -15.337+/-7.409  $\chi^2/\text{NDF}$ : 9.7/10

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

-2.641+/-7.712  $\chi^2/\text{NDF}$ : 12.2/9

-15.337+/-7.409  $\chi^2/\text{NDF}$ : 9.7/10

# diff\_bpm4acX\_rms vs slug



Right In: 14205.913+/-5.453  $\chi^2/\text{NDF}$ : 130707.5/9

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

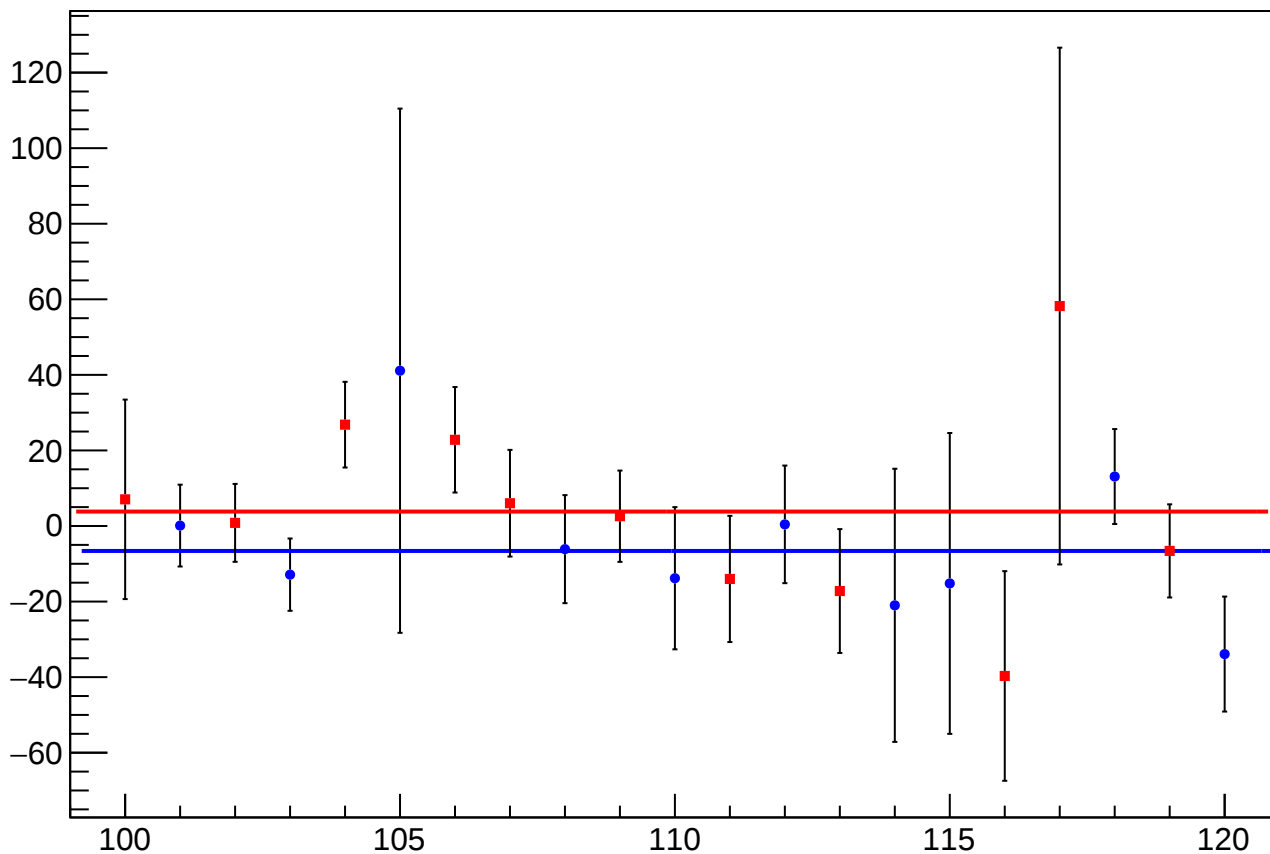
14205.913+/-5.453  $\chi^2/\text{NDF}$ : 130707.5/9

Right Out: 14646.693+/-5.239  $\chi^2/\text{NDF}$ : 89636.9/10

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

14646.693+/-5.239  $\chi^2/\text{NDF}$ : 89636.9/10

# diff\_bpm4acY\_mean vs slug



Right In: -6.602+/-4.792  $\chi^2/\text{NDF}$ : 7.5/9

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

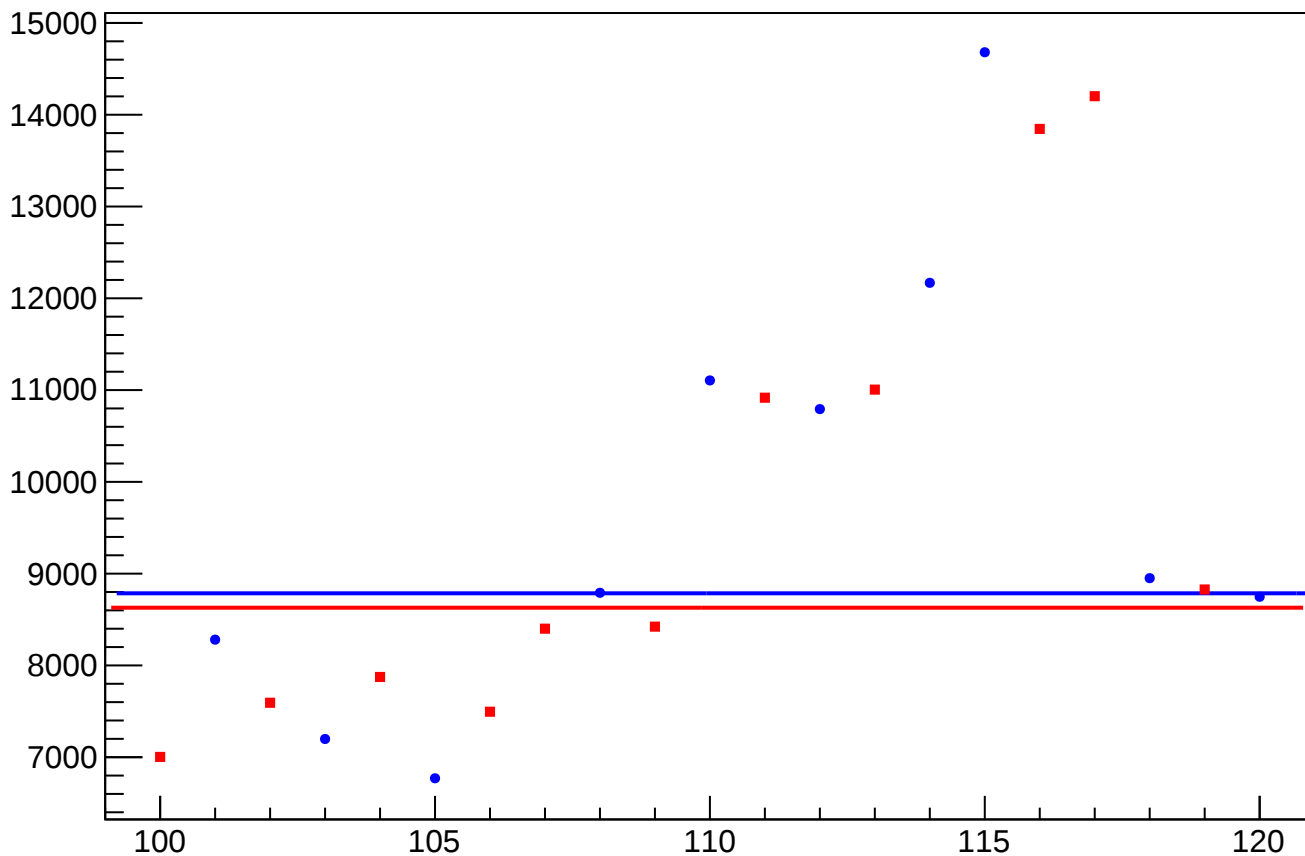
Right Out: 3.817+/-4.427  $\chi^2/\text{NDF}$ : 12.7/10

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

-6.602+/-4.792  $\chi^2/\text{NDF}$ : 7.5/9

3.817+/-4.427  $\chi^2/\text{NDF}$ : 12.7/10

# diff\_bpm4acY\_rms vs slug



Right In: 8785.812+/-3.389  $\chi^2/\text{NDF}$ : 186429.1/9

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

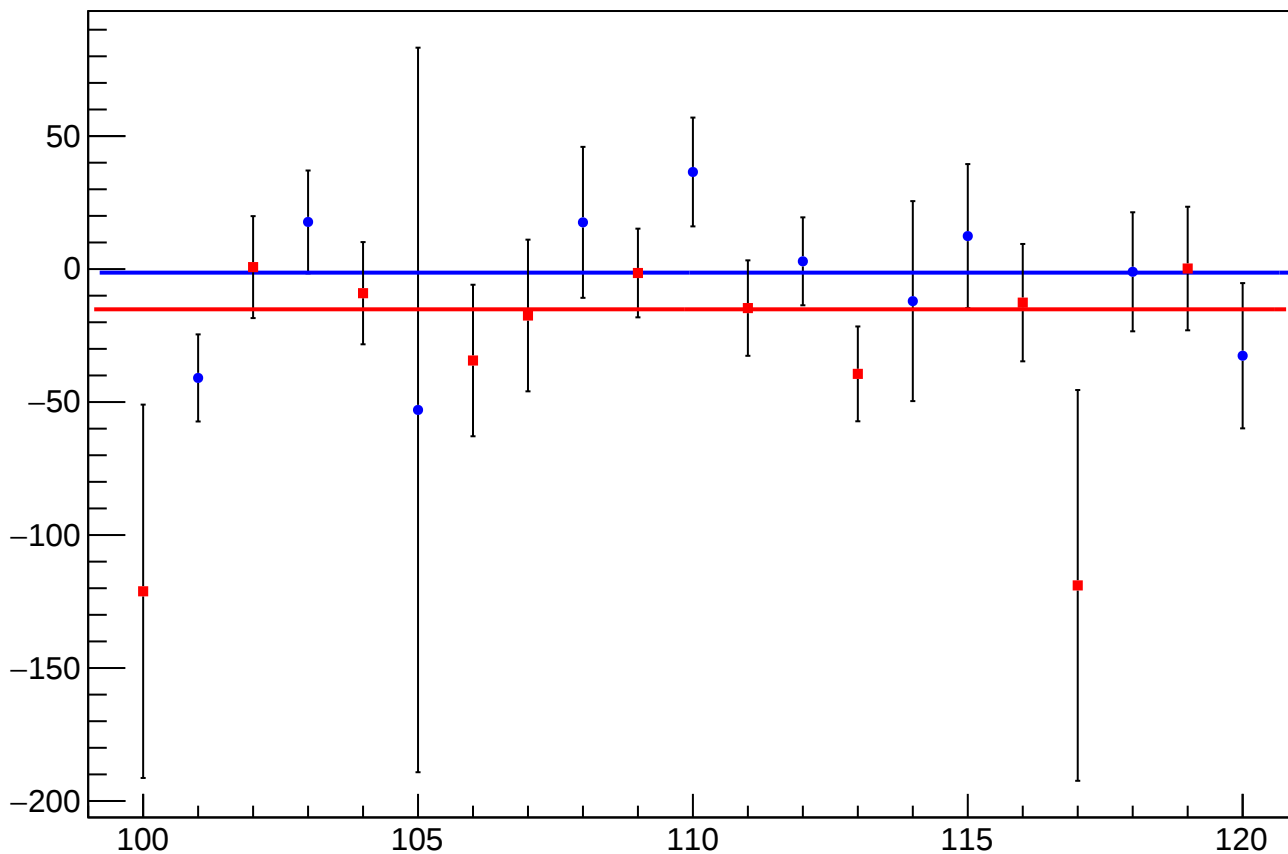
Right Out: 8628.937+/-3.131  $\chi^2/\text{NDF}$ : 214987.9/10

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

8785.812+/-3.389  $\chi^2/\text{NDF}$ : 186429.1/9

8628.937+/-3.131  $\chi^2/\text{NDF}$ : 214987.9/10

# diff\_bpm4ecX\_mean vs slug



Right In: -1.340+/-7.225  $\chi^2$ /NDF: 12.5/9

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

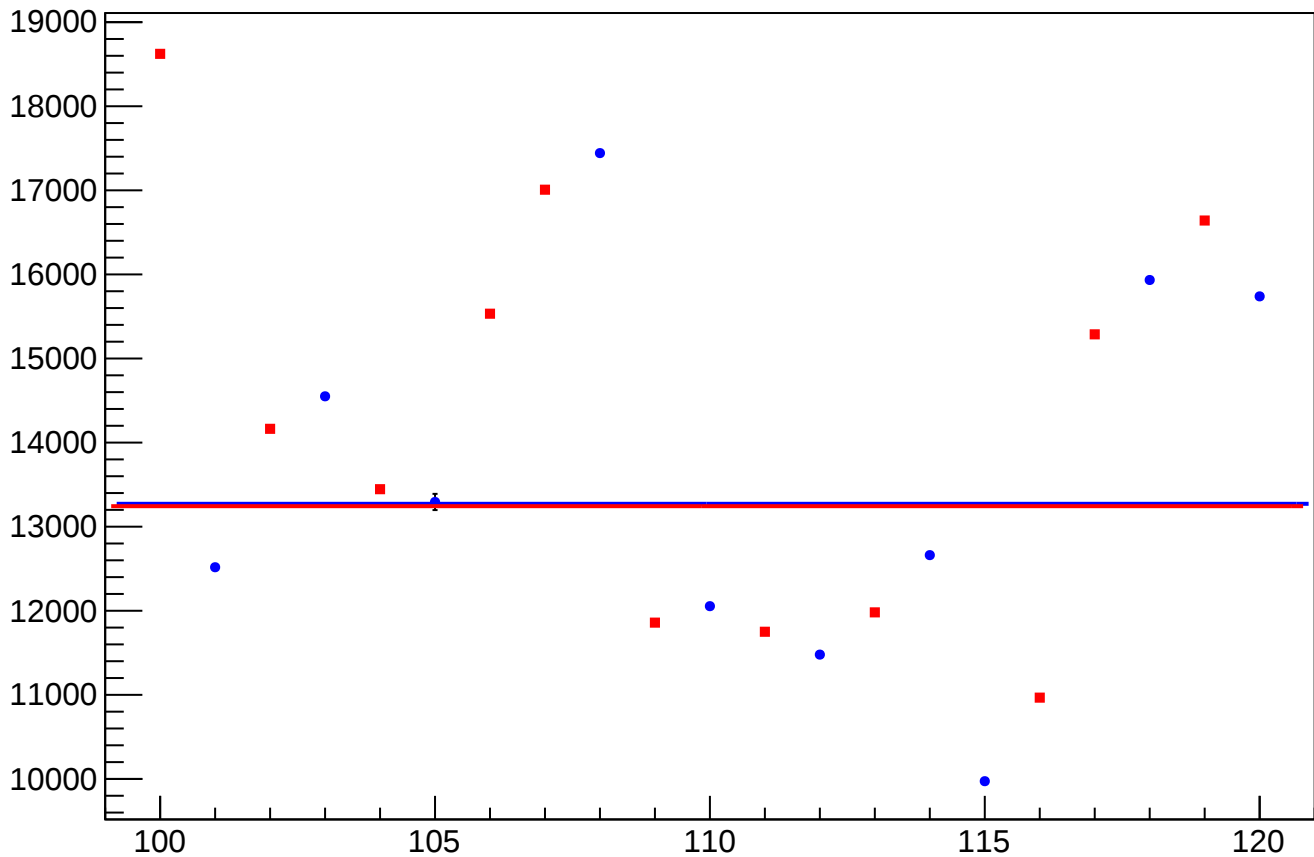
Right Out: -15.129+/-6.736  $\chi^2$ /NDF: 8.5/10

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

-1.340+/-7.225  $\chi^2$ /NDF: 12.5/9

-15.129+/-6.736  $\chi^2$ /NDF: 8.5/10

# diff\_bpm4ecX\_rms vs slug



Right In: 13272.036+/-5.109  $\chi^2/\text{NDF}$ : 161648.0/9

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

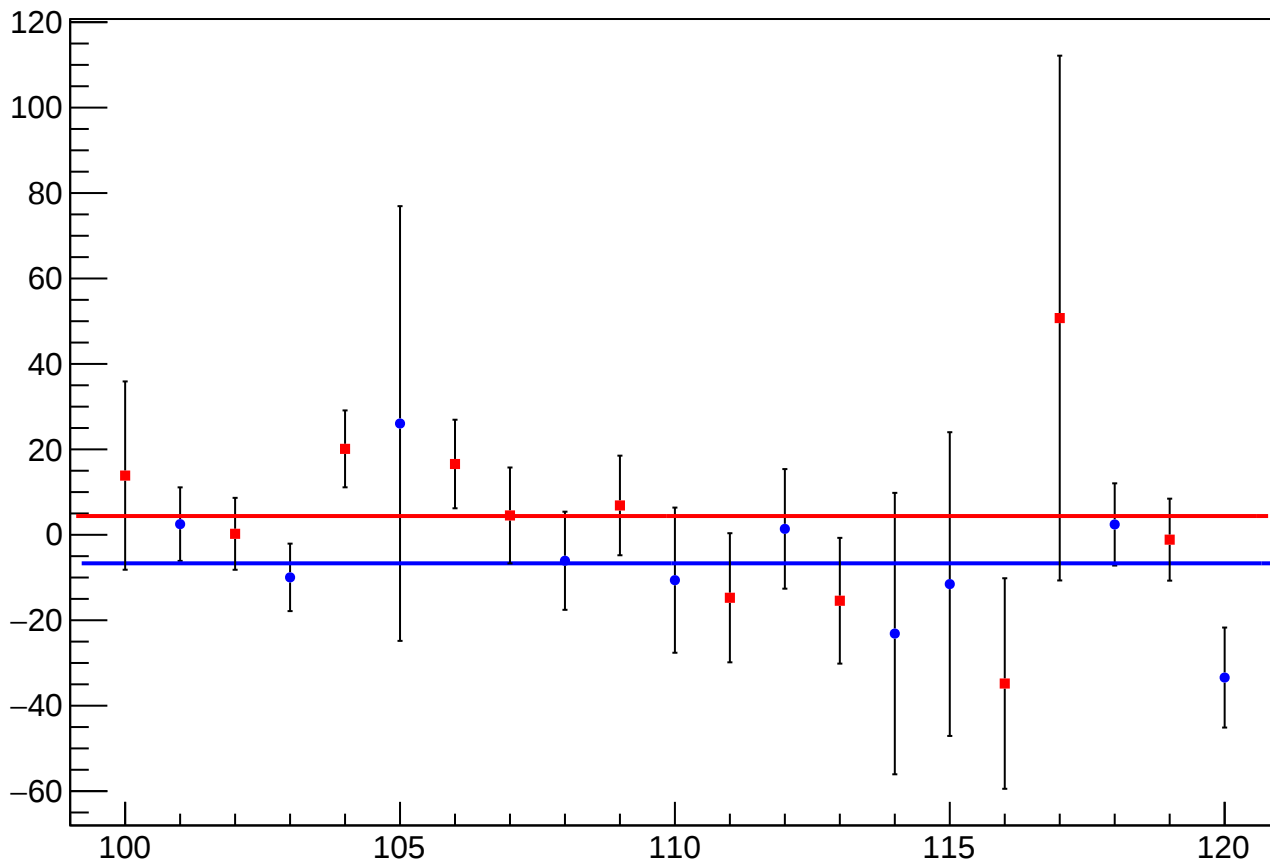
13272.036+/-5.109  $\chi^2/\text{NDF}$ : 161648.0/9

Right Out: 13243.661+/-4.763  $\chi^2/\text{NDF}$ : 167633.7/10

13243.661+/-4.763  $\chi^2/\text{NDF}$ : 167633.7/10

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

# diff\_bpm4ecY\_mean vs slug



Right In: -6.674+/-3.896  $\chi^2/\text{NDF}$ : 8.5/9

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

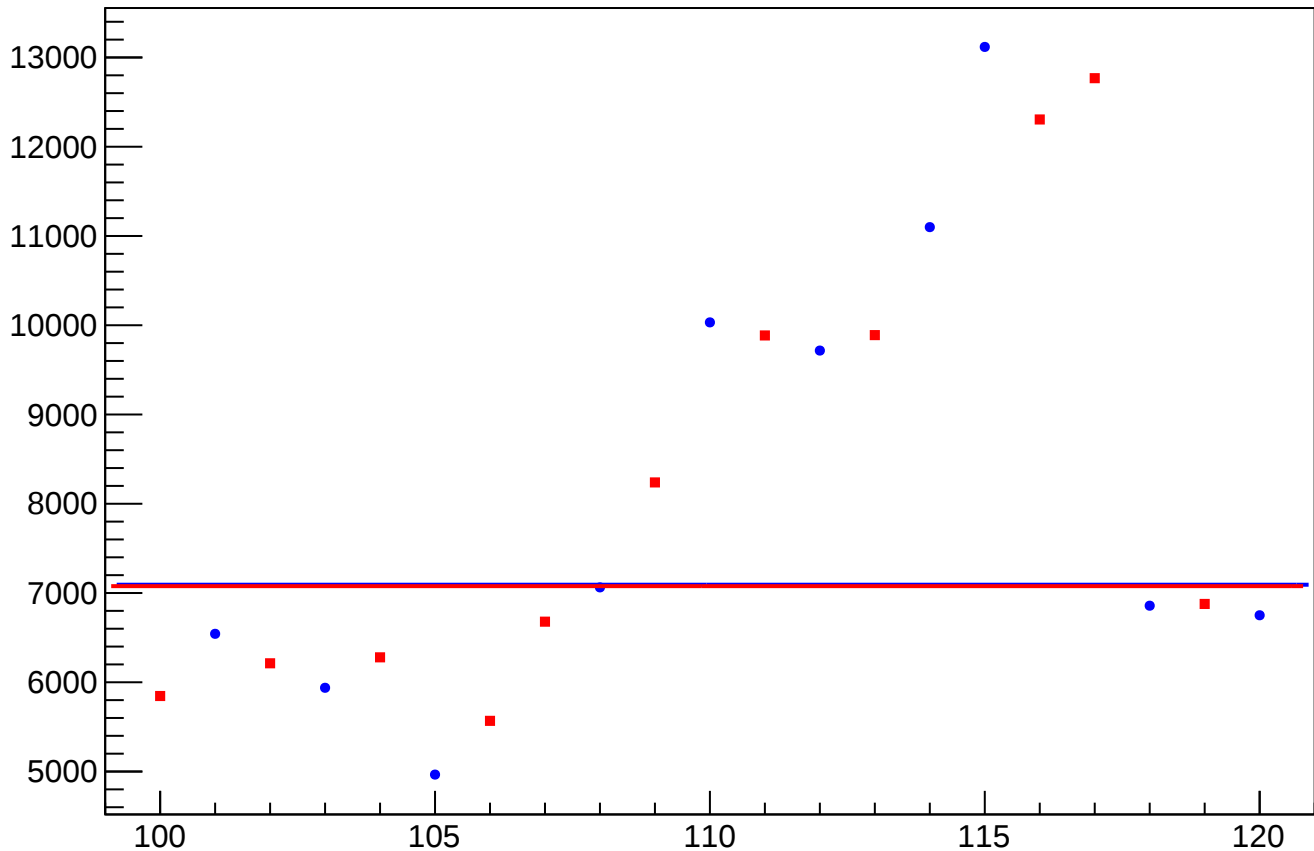
Right Out: 4.394+/-3.654  $\chi^2/\text{NDF}$ : 11.8/10

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

-6.674+/-3.896  $\chi^2/\text{NDF}$ : 8.5/9

4.394+/-3.654  $\chi^2/\text{NDF}$ : 11.8/10

# diff\_bpm4ecY\_rms vs slug



Right In: 7092.873+/-2.755     $\chi^2/\text{NDF}$ : 274499.2/9

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

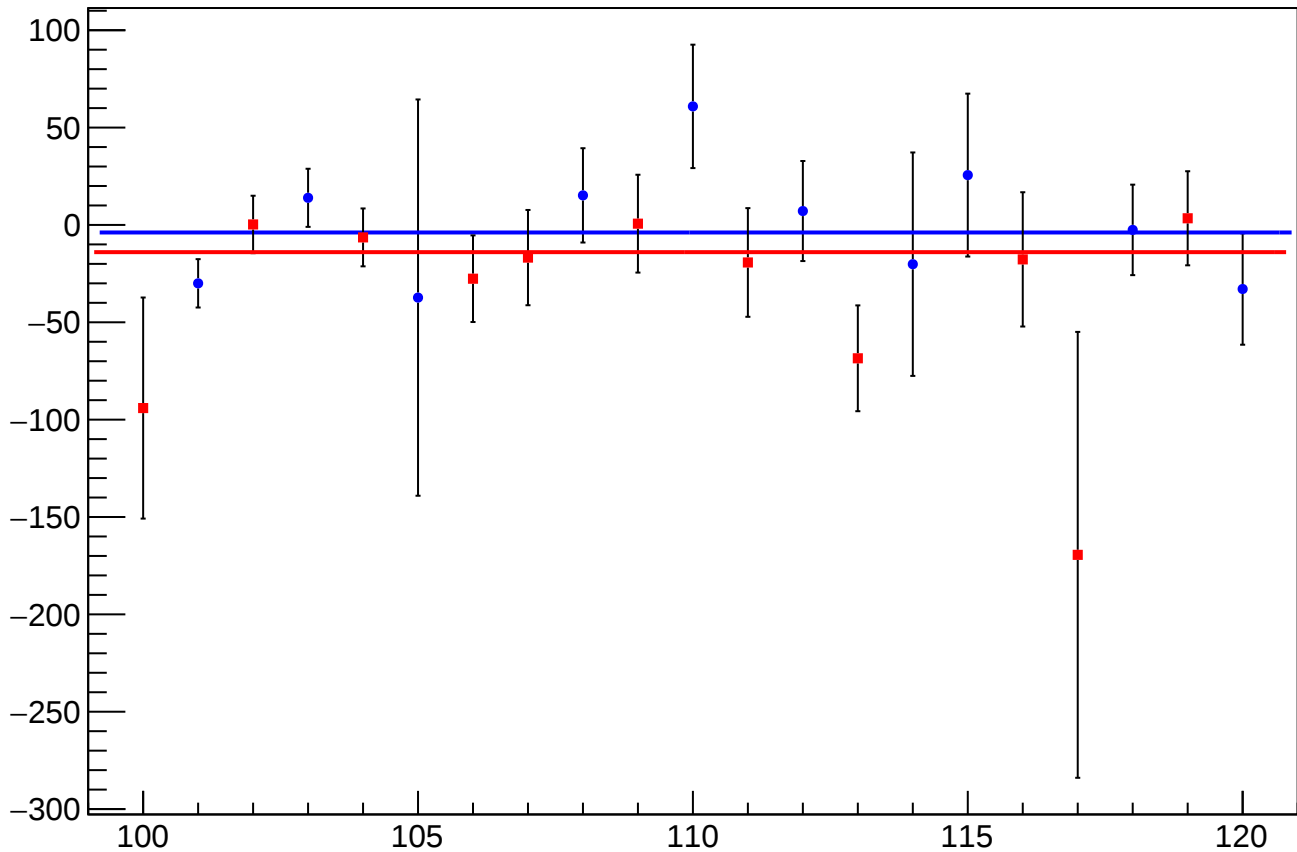
7092.873+/-2.755     $\chi^2/\text{NDF}$ : 274499.2/9

Right Out: 7076.872+/-2.584     $\chi^2/\text{NDF}$ : 358008.3/10

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

7076.872+/-2.584     $\chi^2/\text{NDF}$ : 358008.3/10

# diff\_bpm1X\_mean vs slug



Right In: -3.874+/-7.210  $\chi^2/\text{NDF}$ : 12.5/9

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

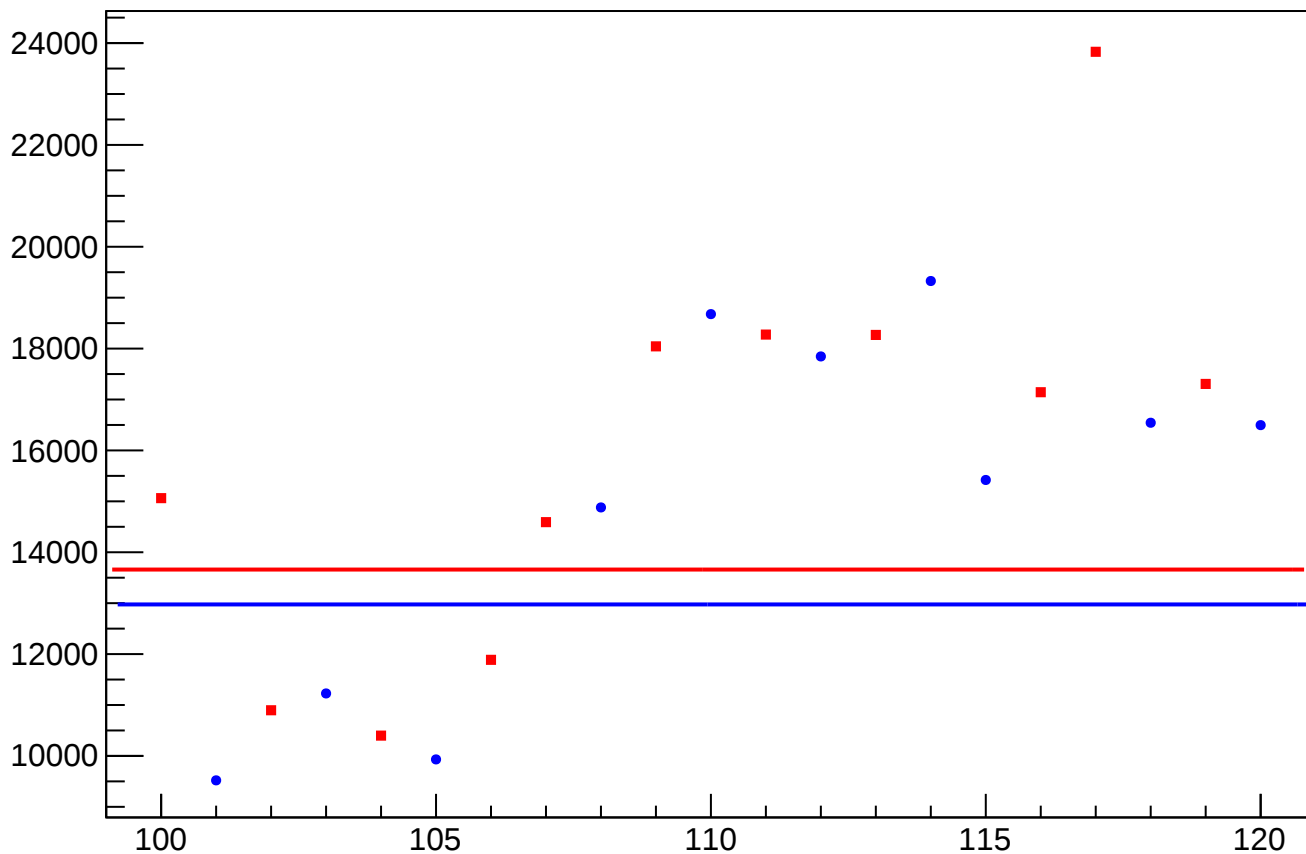
Right Out: -13.978+/-7.075  $\chi^2/\text{NDF}$ : 10.3/10

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

-3.874+/-7.210  $\chi^2/\text{NDF}$ : 12.5/9

-13.978+/-7.075  $\chi^2/\text{NDF}$ : 10.3/10

# diff\_bpm1X\_rms vs slug



Right In: 12975.151+/-5.099  $\chi^2/\text{NDF}$ : 441777.4/9

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

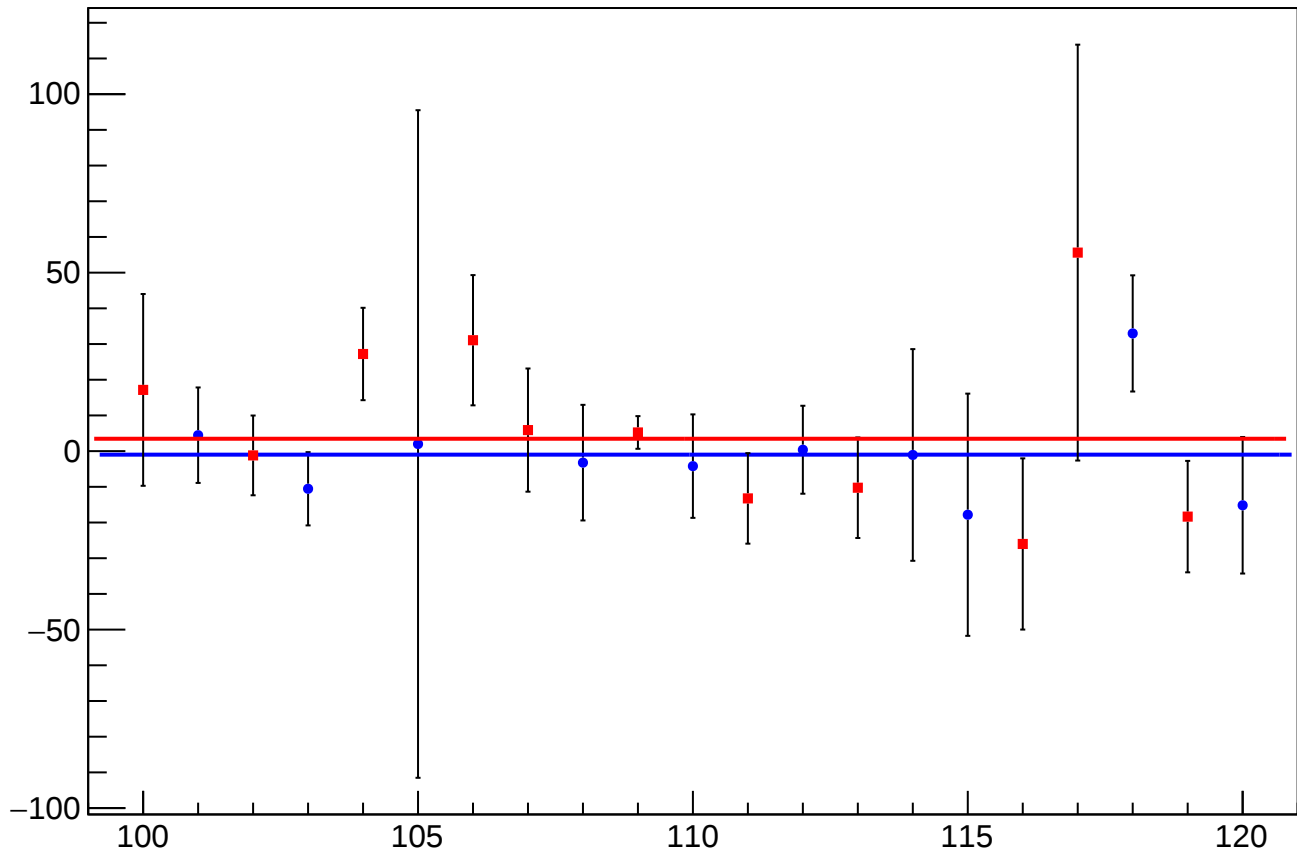
Right Out: 13660.284+/-5.003  $\chi^2/\text{NDF}$ : 438155.2/10

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

12975.151+/-5.099  $\chi^2/\text{NDF}$ : 441777.4/9

13660.284+/-5.003  $\chi^2/\text{NDF}$ : 438155.2/10

# diff\_bpm1Y\_mean vs slug



Right In:  $-0.988 \pm 5.072$   $\chi^2/\text{NDF}$ : 6.3/9

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

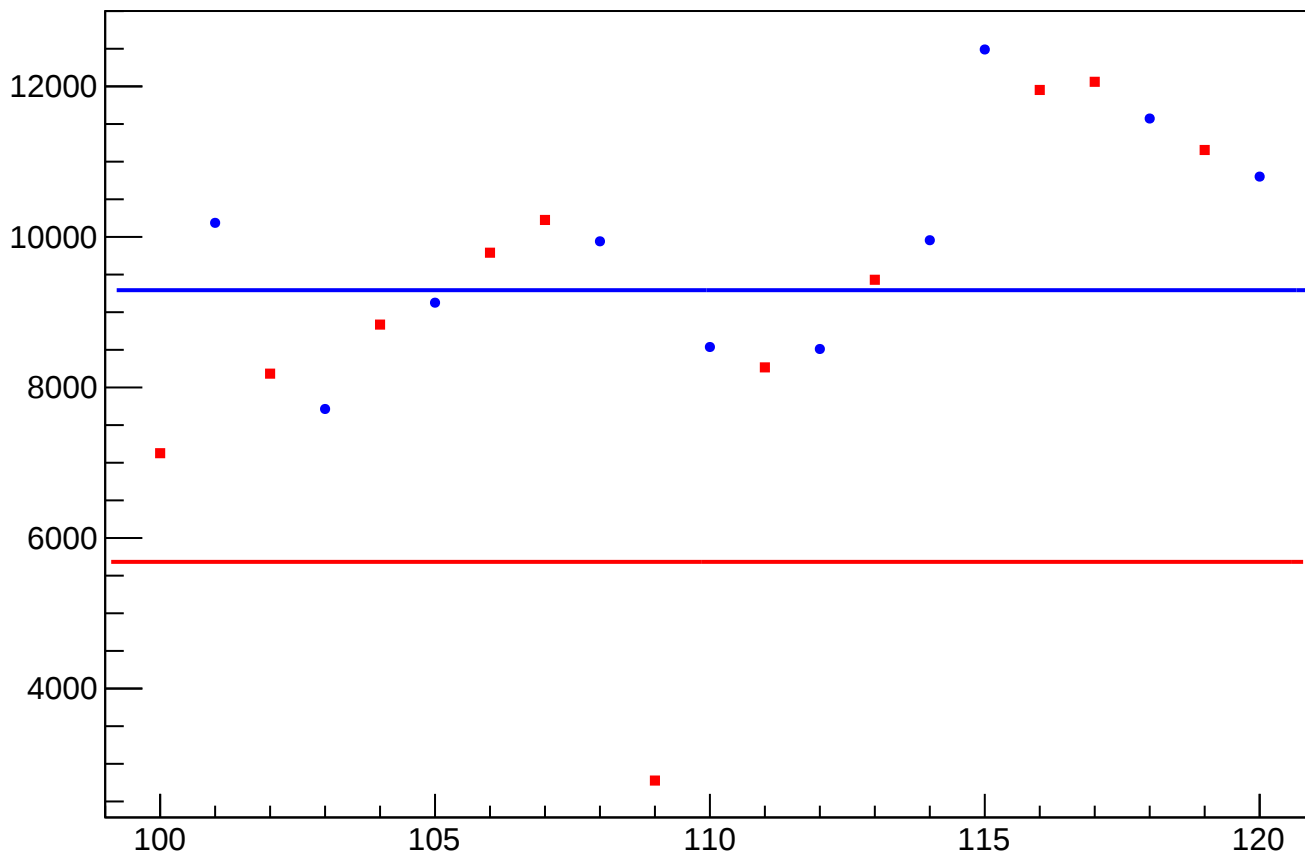
Right Out:  $3.468 \pm 3.393$   $\chi^2/\text{NDF}$ : 13.2/10

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

$-0.988 \pm 5.072$   $\chi^2/\text{NDF}$ : 6.3/9

$3.468 \pm 3.393$   $\chi^2/\text{NDF}$ : 13.2/10

# diff\_bpm1Y\_rms vs slug



Right In: 9292.505+/-3.586  $\chi^2/\text{NDF}$ : 143434.9/9

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

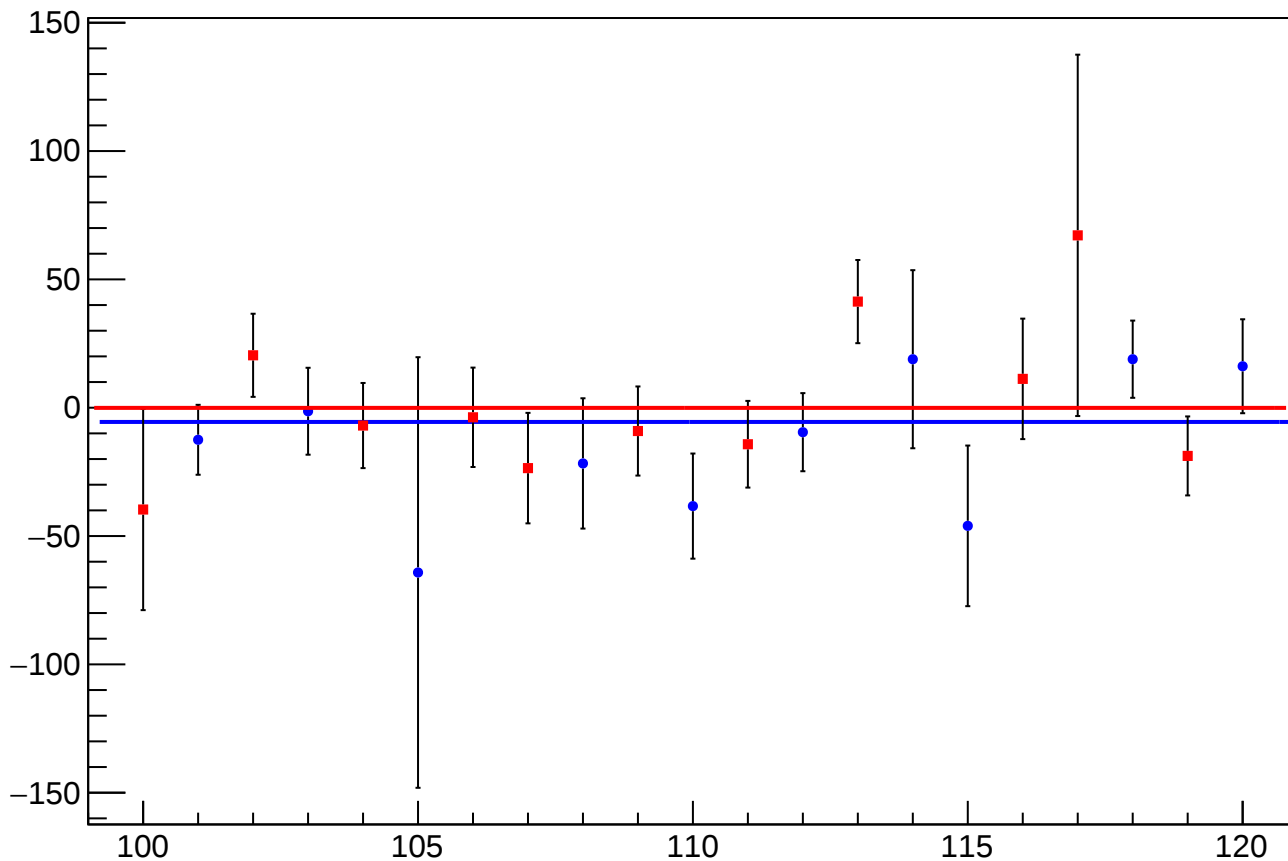
Right Out: 5683.078+/-2.399  $\chi^2/\text{NDF}$ : 1901392.2/10

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

9292.505+/-3.586  $\chi^2/\text{NDF}$ : 143434.9/9

5683.078+/-2.399  $\chi^2/\text{NDF}$ : 1901392.2/10

# diff\_bpm11X\_mean vs slug



Right In: -5.543+/-6.139  $\chi^2/\text{NDF}$ : 10.1/9

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

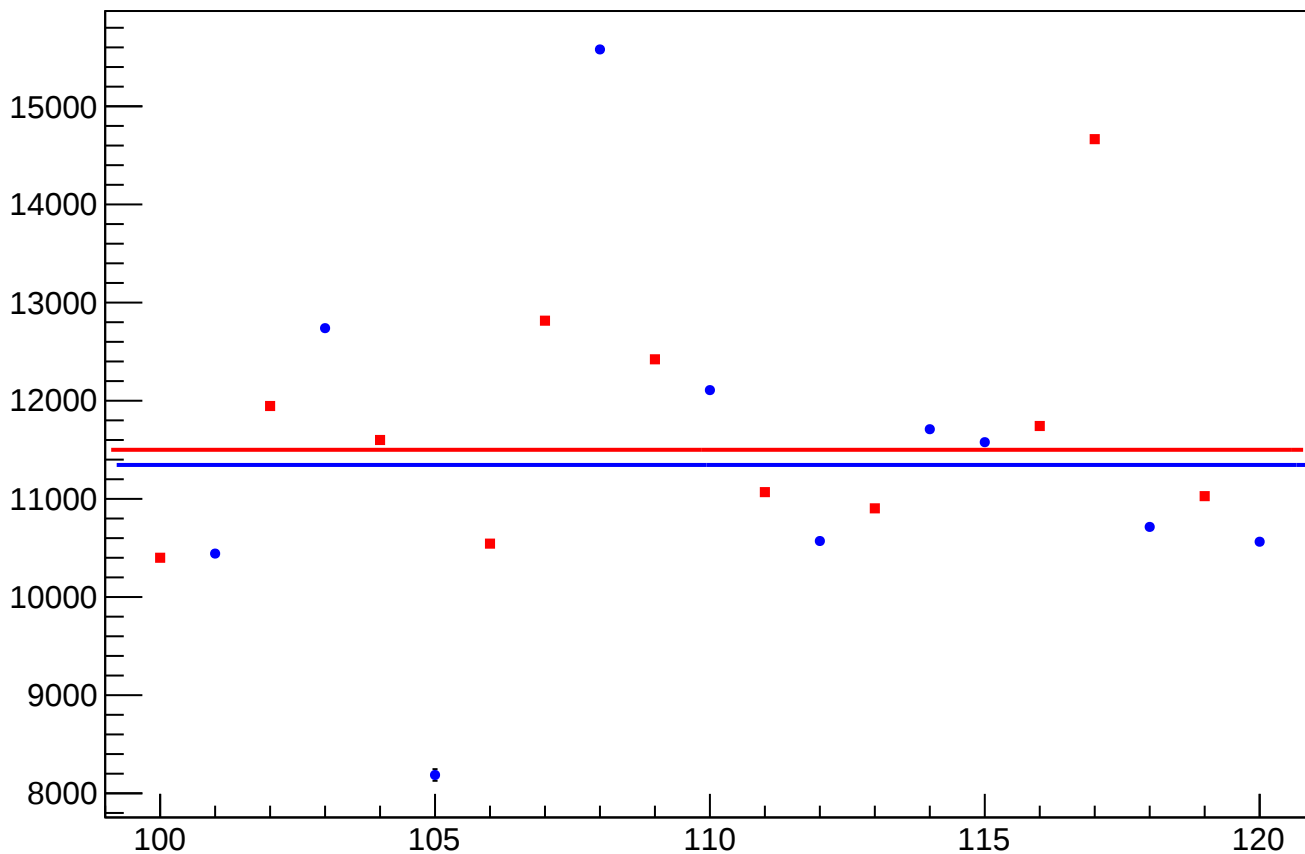
Right Out: -0.063+/-5.793  $\chi^2/\text{NDF}$ : 14.1/10

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

-5.543+/-6.139  $\chi^2/\text{NDF}$ : 10.1/9

-0.063+/-5.793  $\chi^2/\text{NDF}$ : 14.1/10

# diff\_bpm11X\_rms vs slug



Right In: 11345.770 $\pm$ 4.341  $\chi^2$ /NDF: 96270.5/9

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

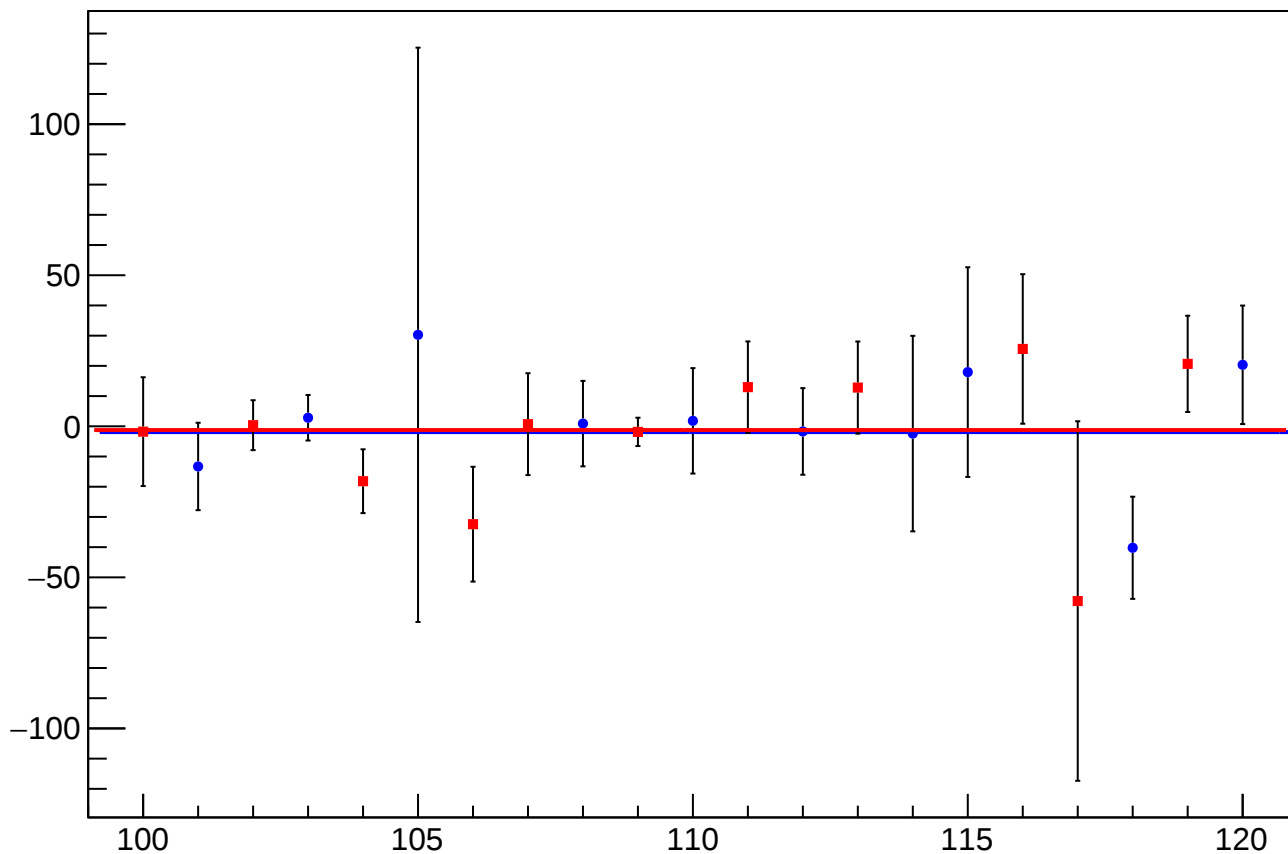
Right Out: 11500.045 $\pm$ 4.096  $\chi^2$ /NDF: 31309.2/10

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

11345.770 $\pm$ 4.341  $\chi^2$ /NDF: 96270.5/9

11500.045 $\pm$ 4.096  $\chi^2$ /NDF: 31309.2/10

diff\_bpm11Y\_mean vs slug



Right In: -1.916+/-4.794  $\chi^2$ /NDF: 8.0/9

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

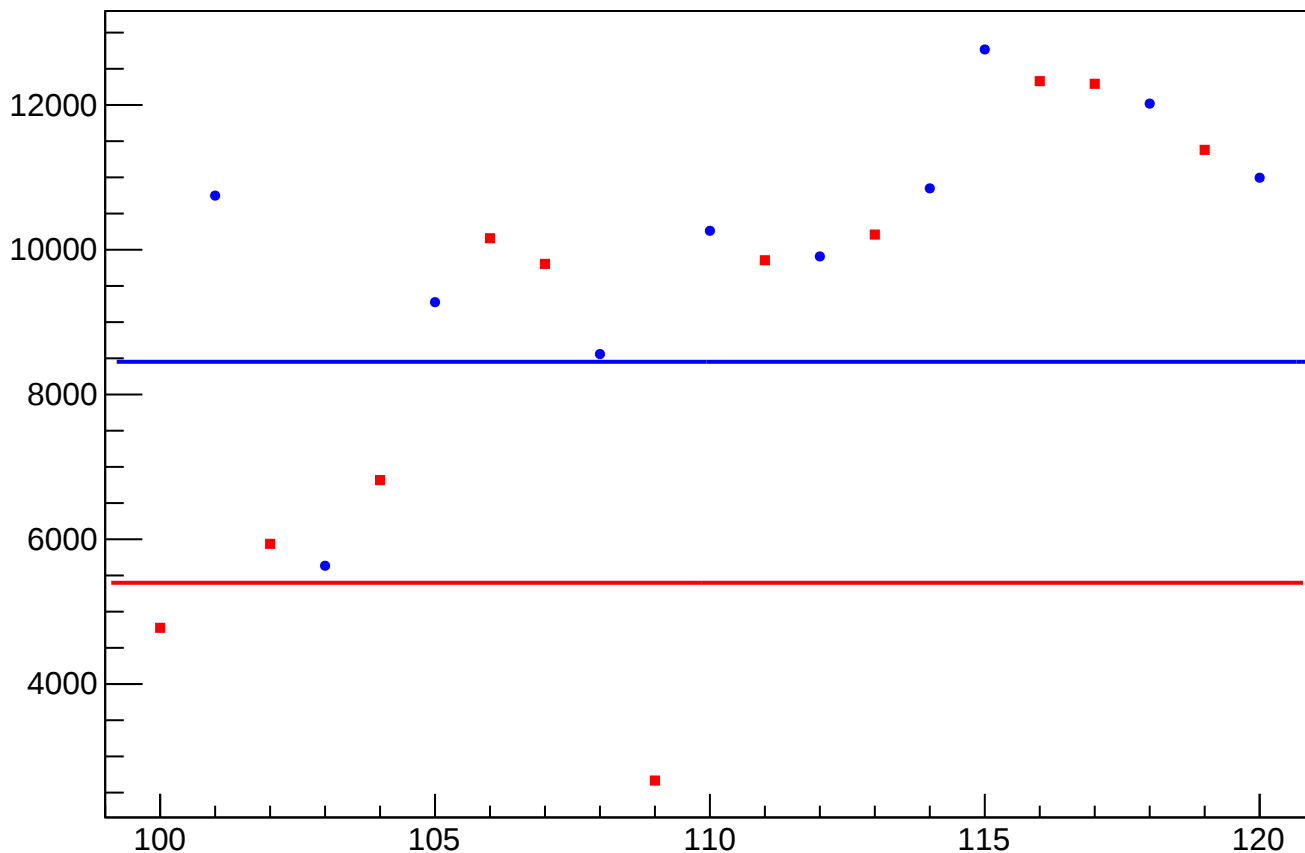
Right Out: -1.243+/-3.279  $\chi^2$ /NDF: 11.0/10

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

-1.916+/-4.794  $\chi^2$ /NDF: 8.0/9

-1.243+/-3.279  $\chi^2$ /NDF: 11.0/10

# diff\_bpm11Y\_rms vs slug



Right In: 8452.104+/-3.390  $\chi^2/\text{NDF}$ : 536644.9/9

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

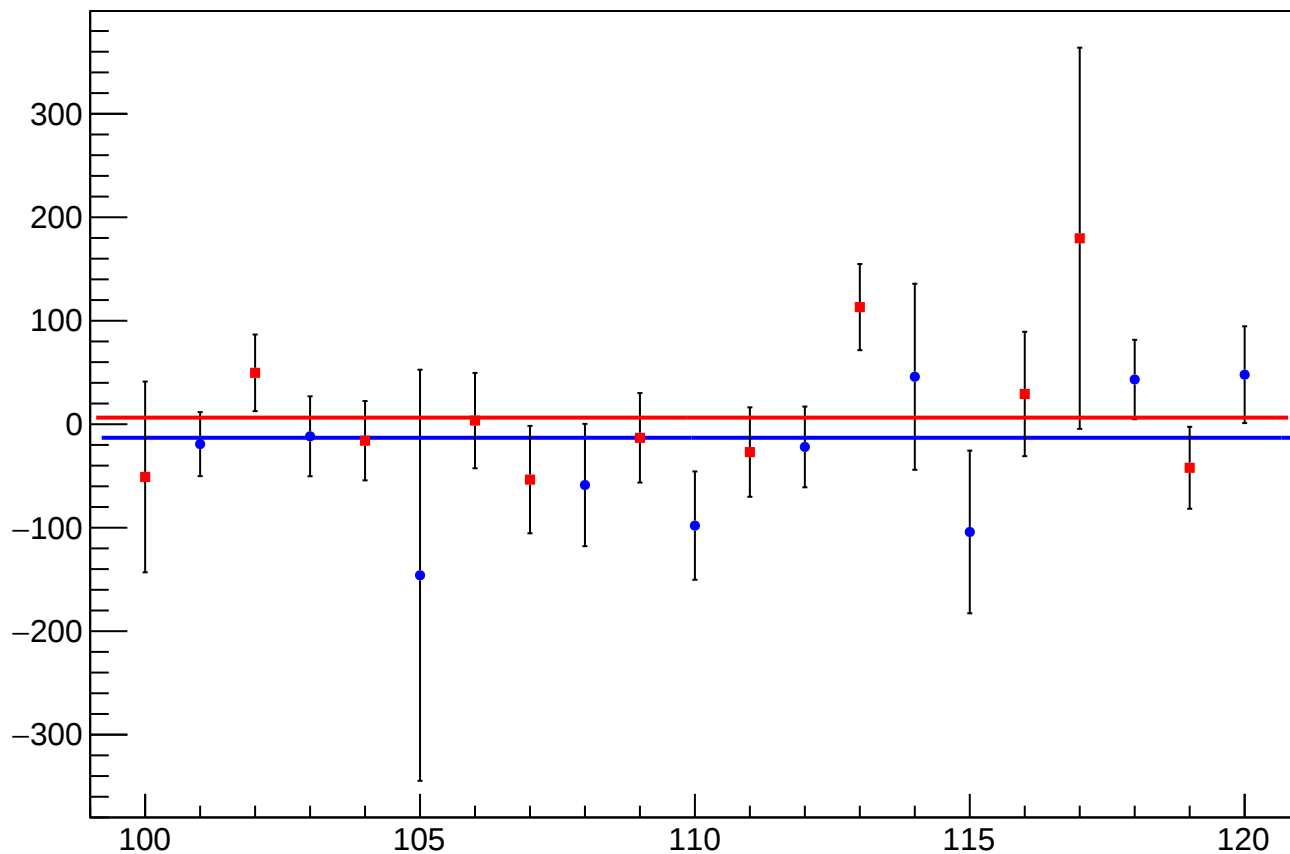
Right Out: 5398.937+/-2.318  $\chi^2/\text{NDF}$ : 1826610.3/10

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

8452.104+/-3.390  $\chi^2/\text{NDF}$ : 536644.9/9

5398.937+/-2.318  $\chi^2/\text{NDF}$ : 1826610.3/10

# diff\_bpm12X\_mean vs slug



Right In: -13.084+/-14.955  $\chi^2$ /NDF: 9.4/9

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

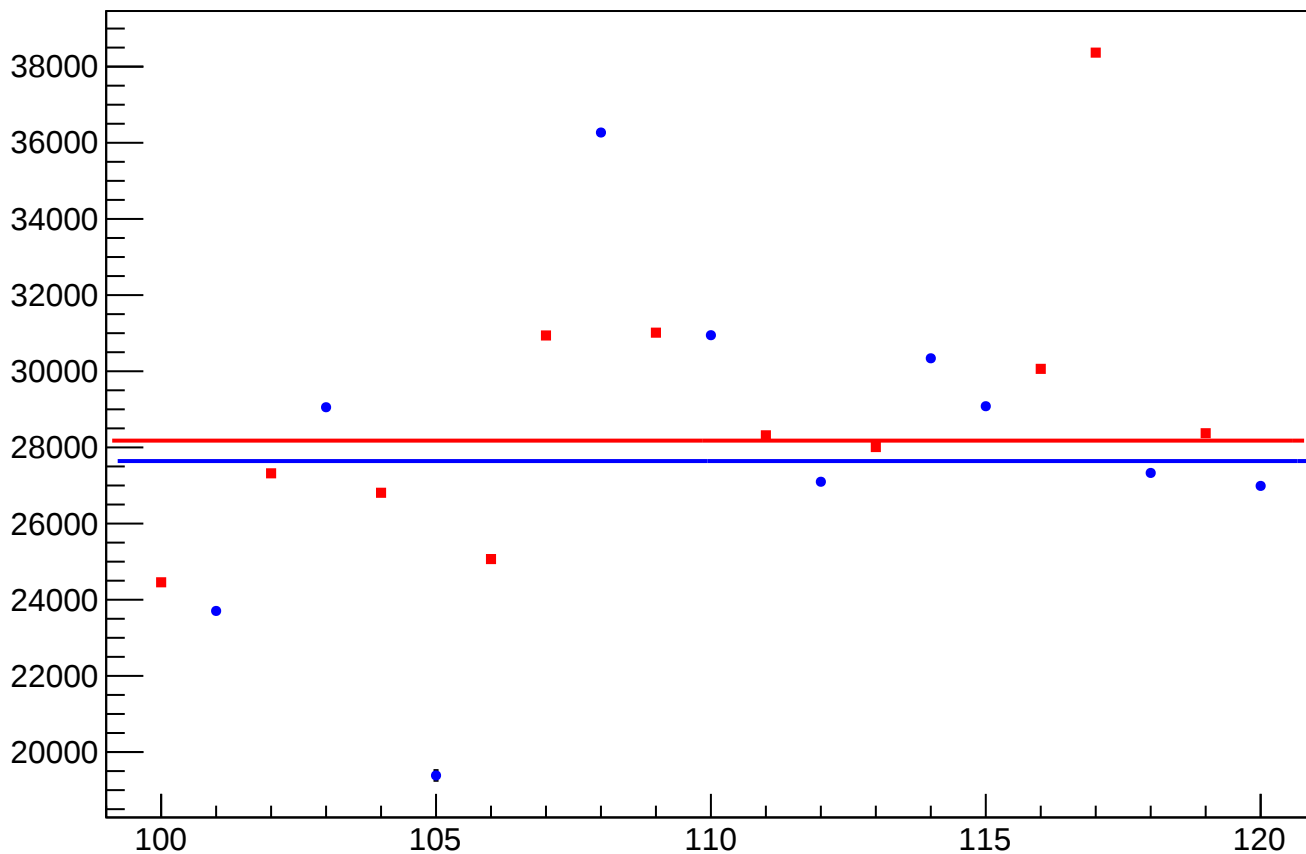
Right Out: 6.377+/-14.197  $\chi^2$ /NDF: 13.3/10

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

-13.084+/-14.955  $\chi^2$ /NDF: 9.4/9

6.377+/-14.197  $\chi^2$ /NDF: 13.3/10

# diff\_bpm12X\_rms vs slug



Right In: 27641.709 $\pm$ 10.575  $\chi^2$ /NDF: 92495.0/9

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

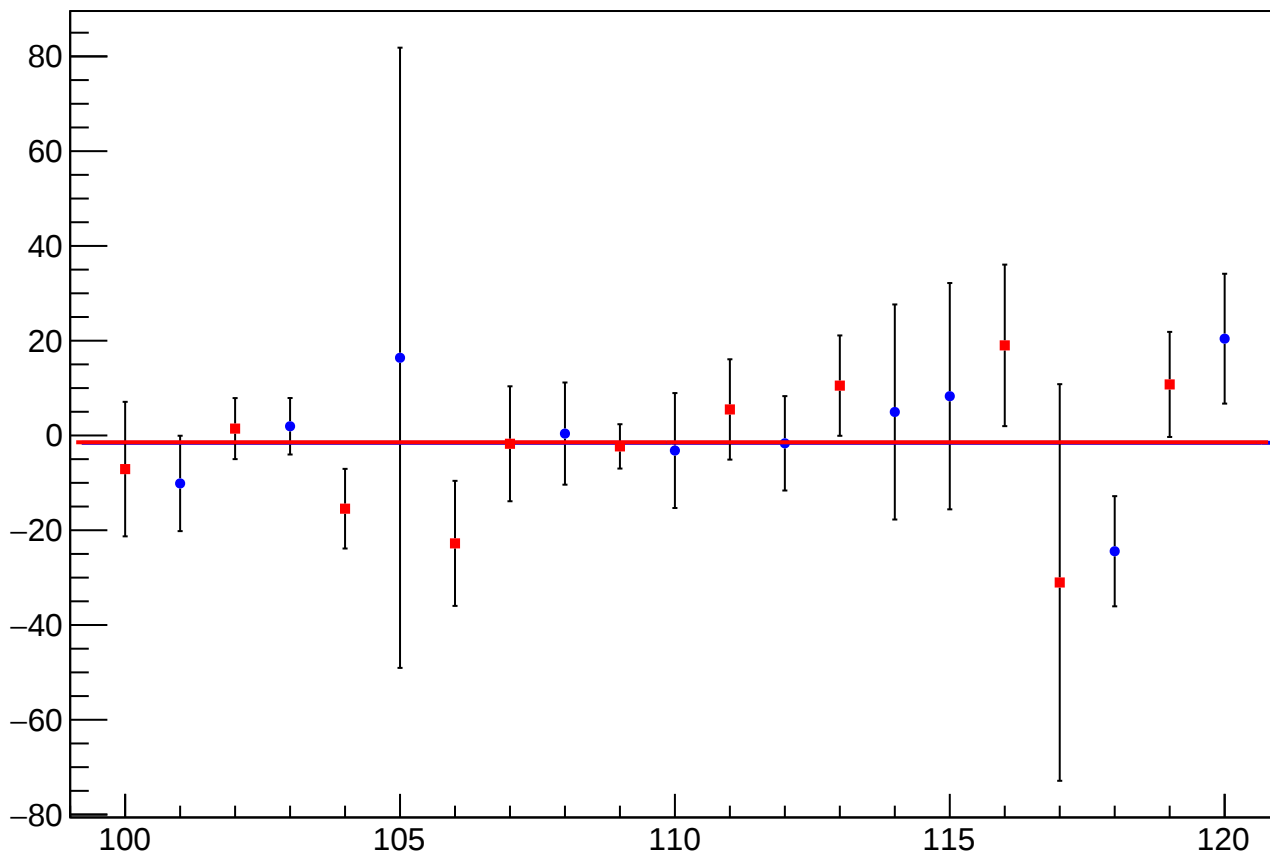
Right Out: 28178.503 $\pm$ 10.039  $\chi^2$ /NDF: 38445.0/10

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

27641.709 $\pm$ 10.575  $\chi^2$ /NDF: 92495.0/9

28178.503 $\pm$ 10.039  $\chi^2$ /NDF: 38445.0/10

diff\_bpm12Y\_mean vs slug



Right In: -1.549+/-3.532  $\chi^2/\text{NDF}$ : 7.9/9

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

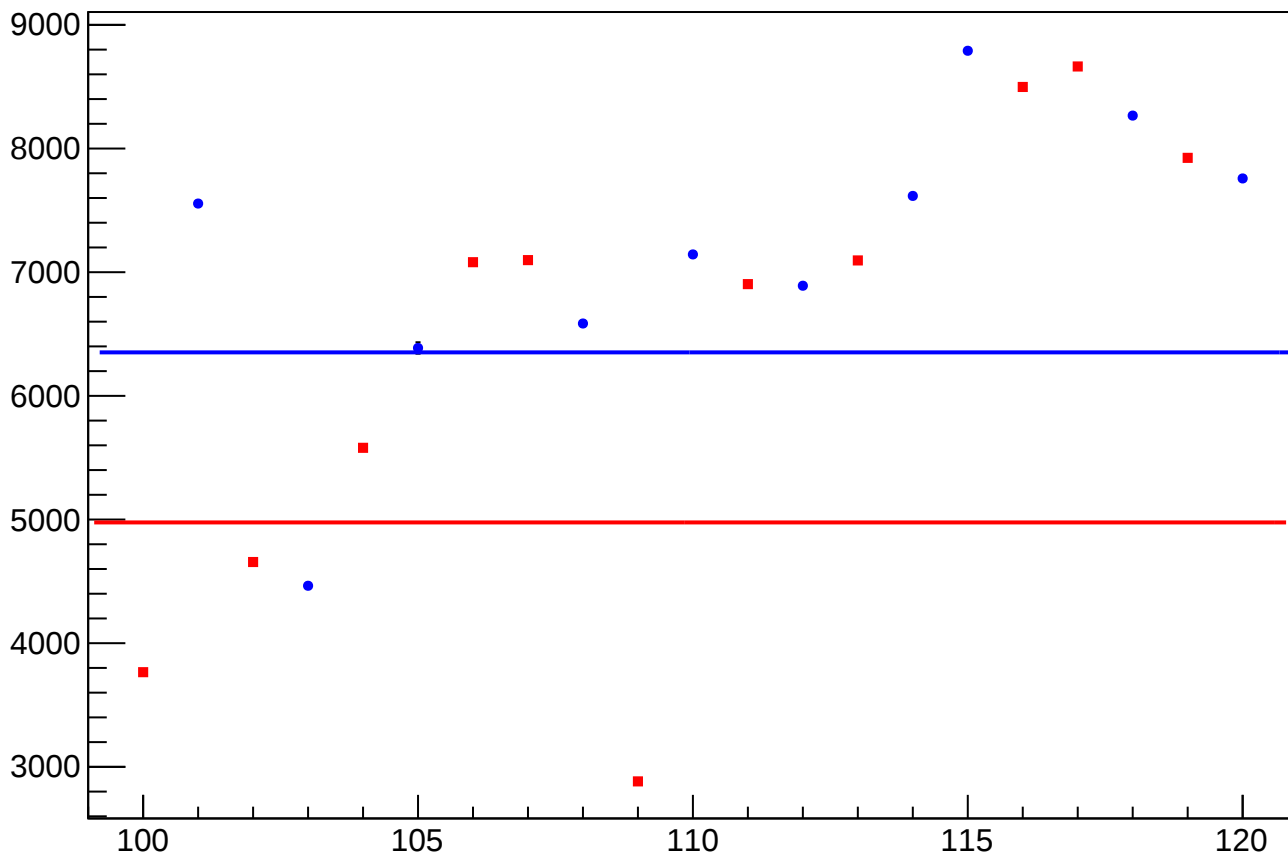
Right Out: -1.438+/-2.759  $\chi^2/\text{NDF}$ : 10.6/10

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

-1.549+/-3.532  $\chi^2/\text{NDF}$ : 7.9/9

-1.438+/-2.759  $\chi^2/\text{NDF}$ : 10.6/10

# diff\_bpm12Y\_rms vs slug



Right In: 6351.673+/-2.498  $\chi^2/\text{NDF}$ : 346774.2/9

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

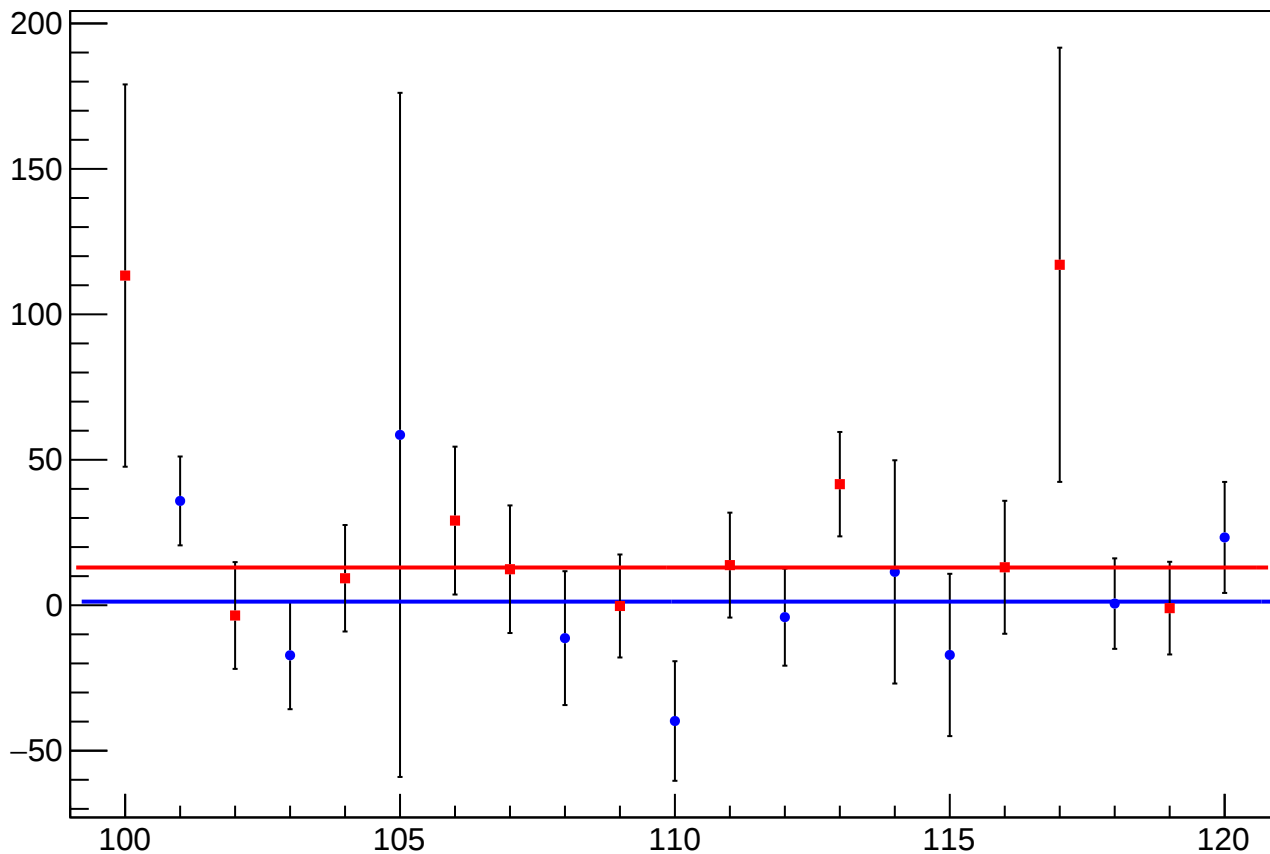
Right Out: 4976.528+/-1.951  $\chi^2/\text{NDF}$ : 930845.8/10

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

6351.673+/-2.498  $\chi^2/\text{NDF}$ : 346774.2/9

4976.528+/-1.951  $\chi^2/\text{NDF}$ : 930845.8/10

# diff\_bpm16X\_mean vs slug



Right In: 1.248 $\pm$ 6.461  $\chi^2$ /NDF: 12.6/9

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

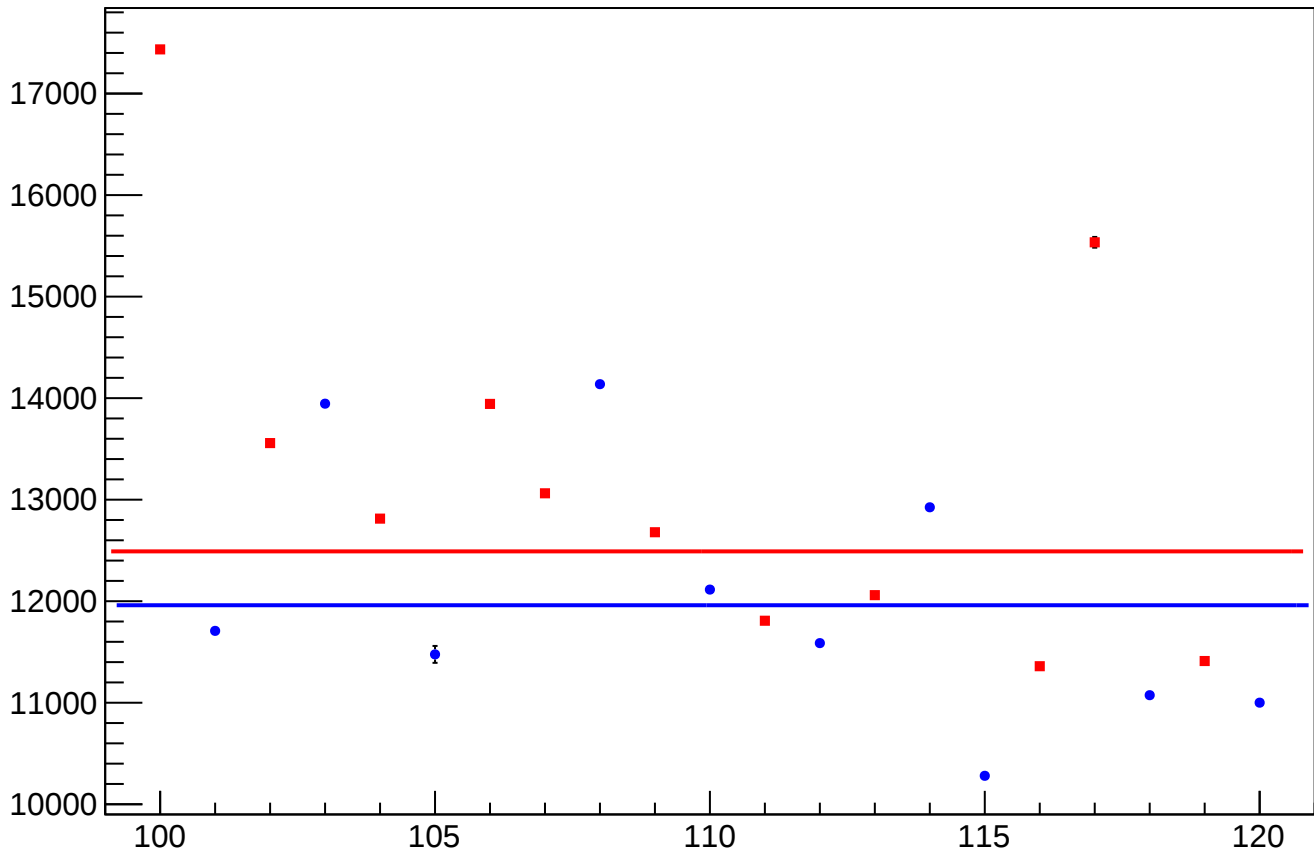
Right Out: 12.976 $\pm$ 6.297  $\chi^2$ /NDF: 9.4/10

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

1.248 $\pm$ 6.461  $\chi^2$ /NDF: 12.6/9

12.976 $\pm$ 6.297  $\chi^2$ /NDF: 9.4/10

# diff\_bpm16X\_rms vs slug



Right In: 11960.272 $\pm$ 4.568  $\chi^2$ /NDF: 62607.5/9

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

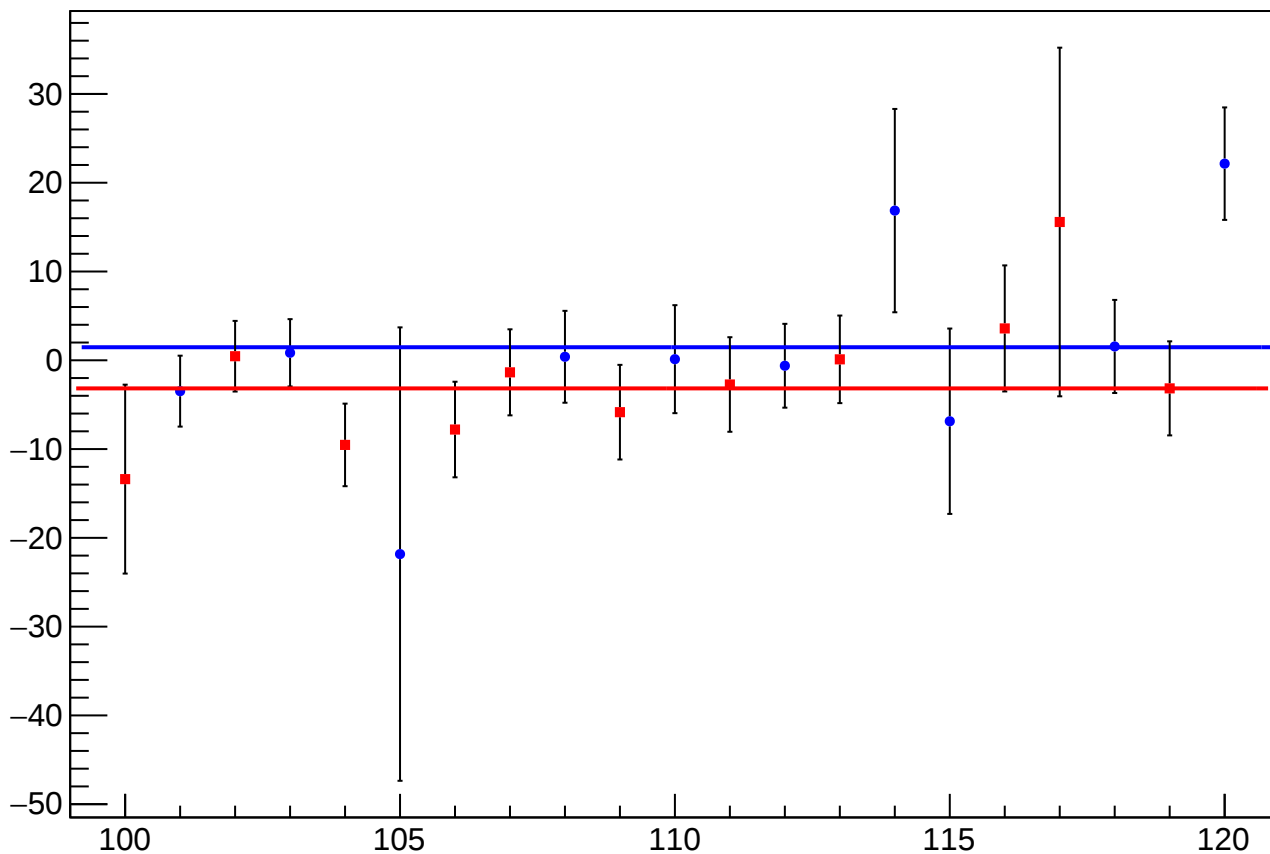
11960.272 $\pm$ 4.568  $\chi^2$ /NDF: 62607.5/9

Right Out: 12490.723 $\pm$ 4.453  $\chi^2$ /NDF: 48263.0/10

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

12490.723 $\pm$ 4.453  $\chi^2$ /NDF: 48263.0/10

# diff\_bpm16Y\_mean vs slug



Right In: 1.471+/-1.765  $\chi^2/\text{NDF}$ : 15.8/9

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

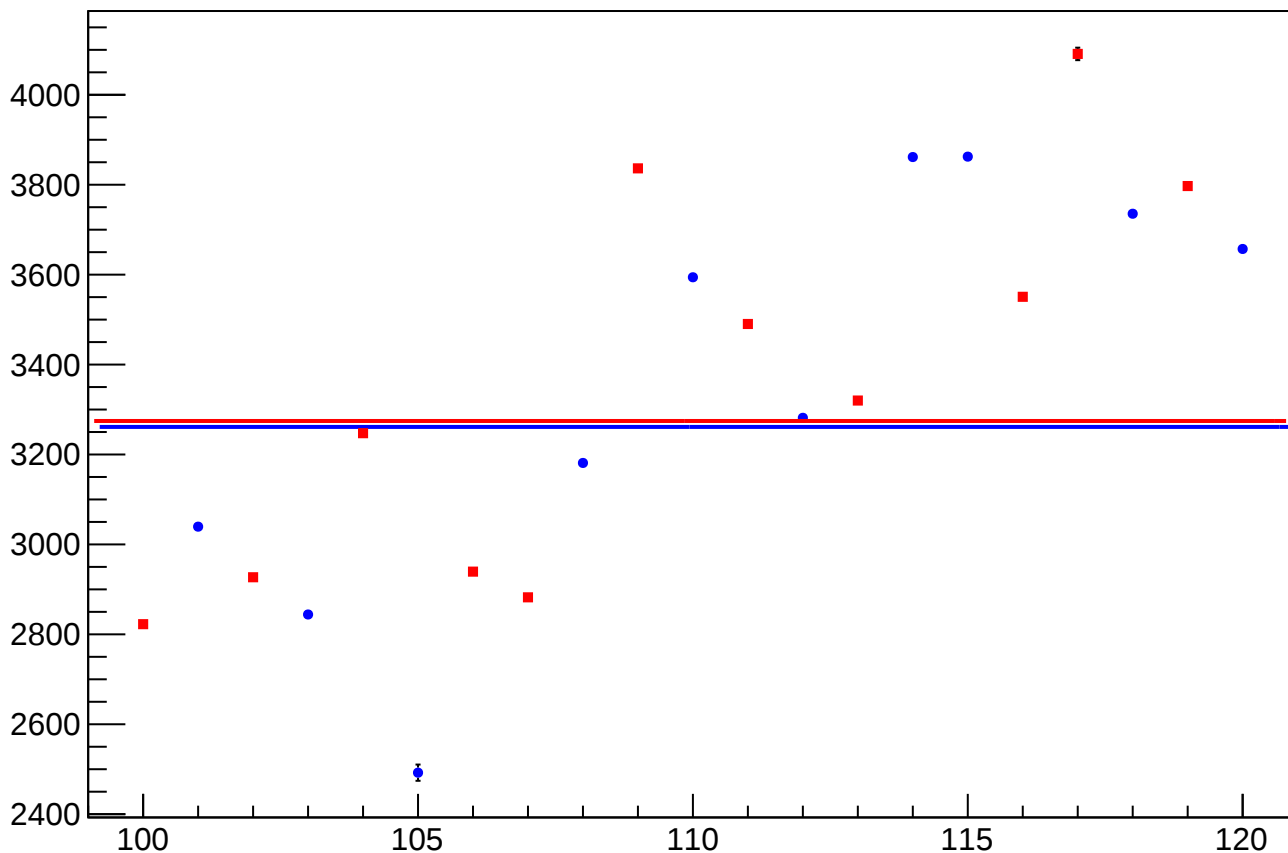
Right Out: -3.166+/-1.655  $\chi^2/\text{NDF}$ : 7.0/10

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

1.471+/-1.765  $\chi^2/\text{NDF}$ : 15.8/9

-3.166+/-1.655  $\chi^2/\text{NDF}$ : 7.0/10

# diff\_bpm16Y\_rms vs slug



Right In: 3261.322+/-1.248  $\chi^2/\text{NDF}$ : 75011.1/9

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

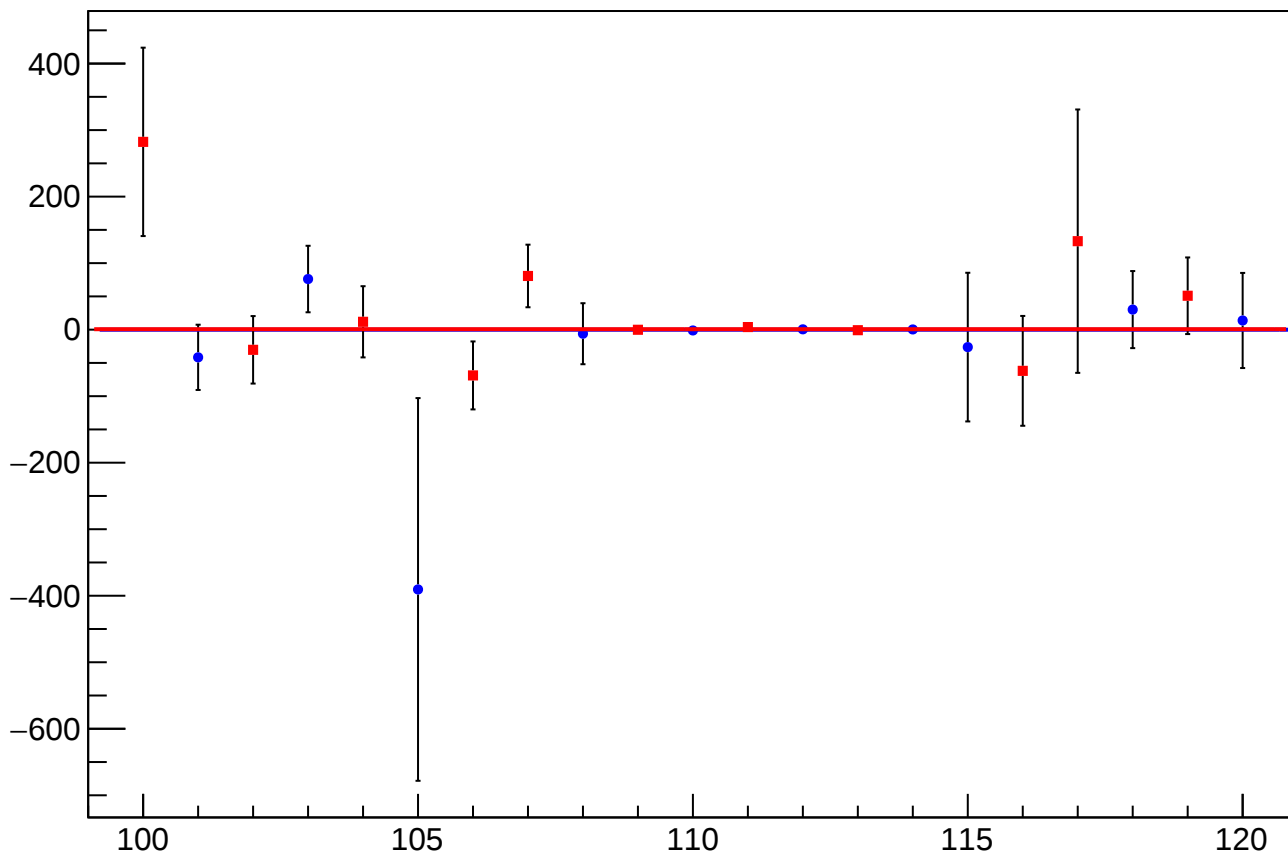
Right Out: 3274.537+/-1.170  $\chi^2/\text{NDF}$ : 91416.2/10

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

3261.322+/-1.248  $\chi^2/\text{NDF}$ : 75011.1/9

3274.537+/-1.170  $\chi^2/\text{NDF}$ : 91416.2/10

# diff\_bpm1p02bX\_mean vs slug



Right In: -0.091+/-1.873  $\chi^2$ /NDF: 5.4/9

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

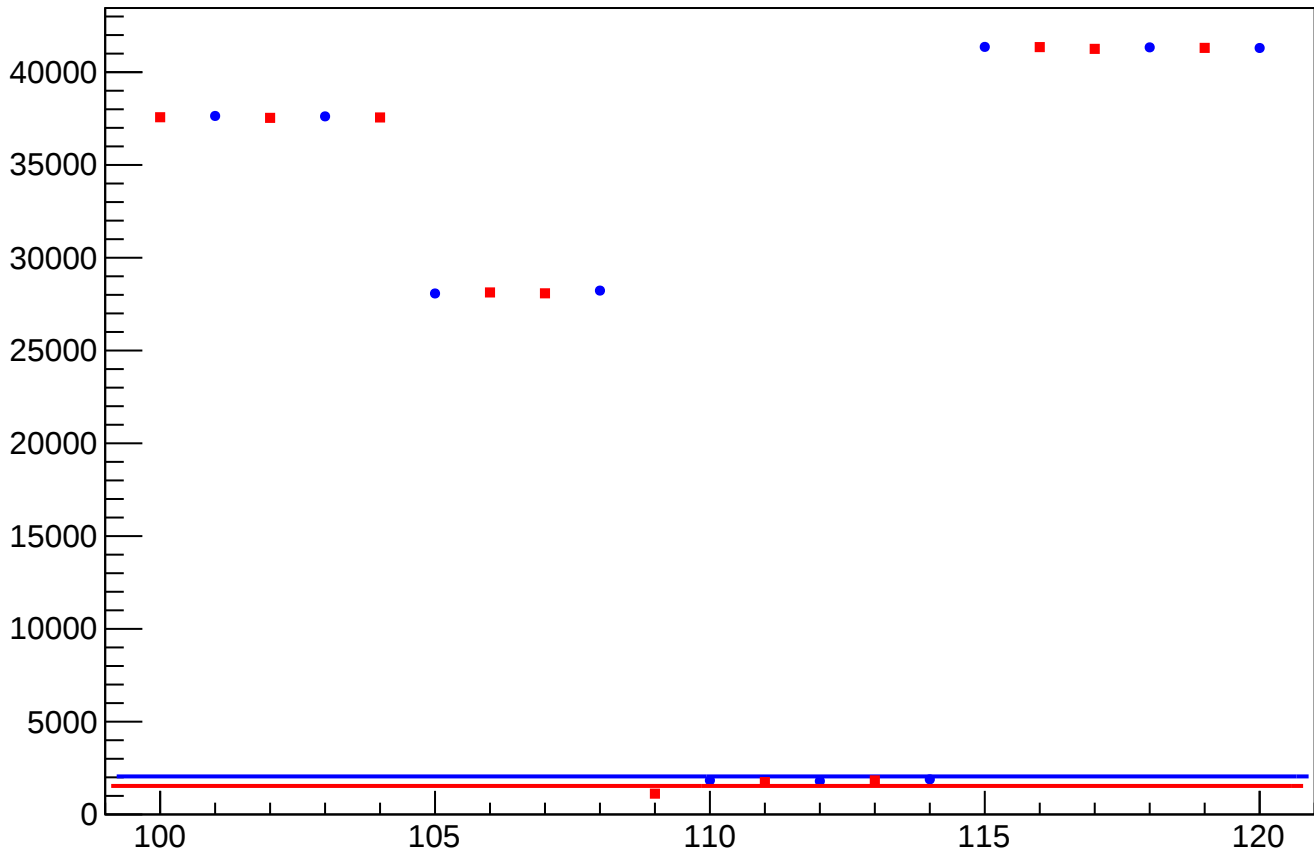
Right Out: 0.679+/-1.280  $\chi^2$ /NDF: 12.9/10

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

-0.091+/-1.873  $\chi^2$ /NDF: 5.4/9

0.679+/-1.280  $\chi^2$ /NDF: 12.9/10

# diff\_bpm1p02bX\_rms vs slug



Right In: 2049.600+/-1.325  $\chi^2/\text{NDF}$ : 4533734.4/9

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

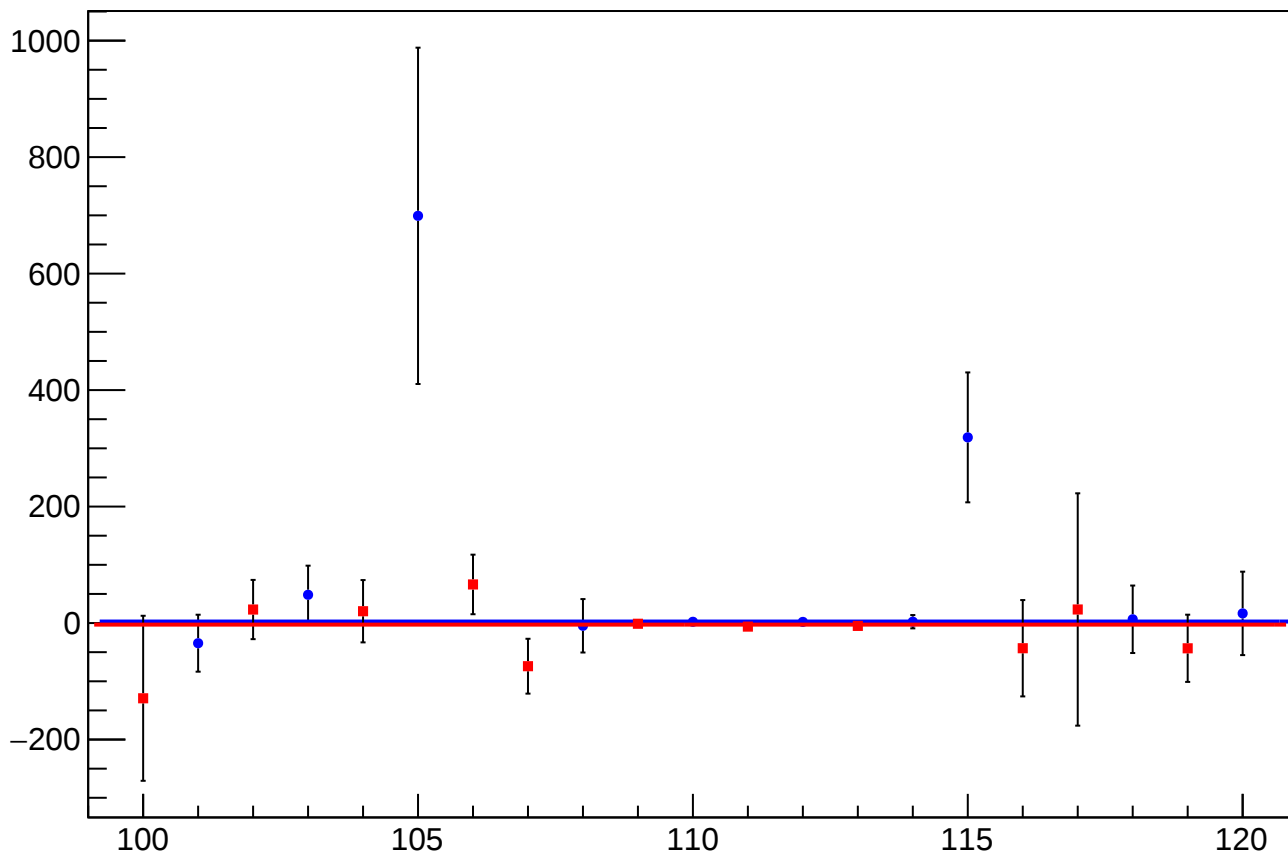
2049.600+/-1.325  $\chi^2/\text{NDF}$ : 4533734.4/9

Right Out: 1536.523+/-0.905  $\chi^2/\text{NDF}$ : 4872572.8/10

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

1536.523+/-0.905  $\chi^2/\text{NDF}$ : 4872572.8/10

# diff\_bpm1p02bY\_mean vs slug



Right In: 2.612+/-3.683  $\chi^2/\text{NDF}$ : 15.4/9

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

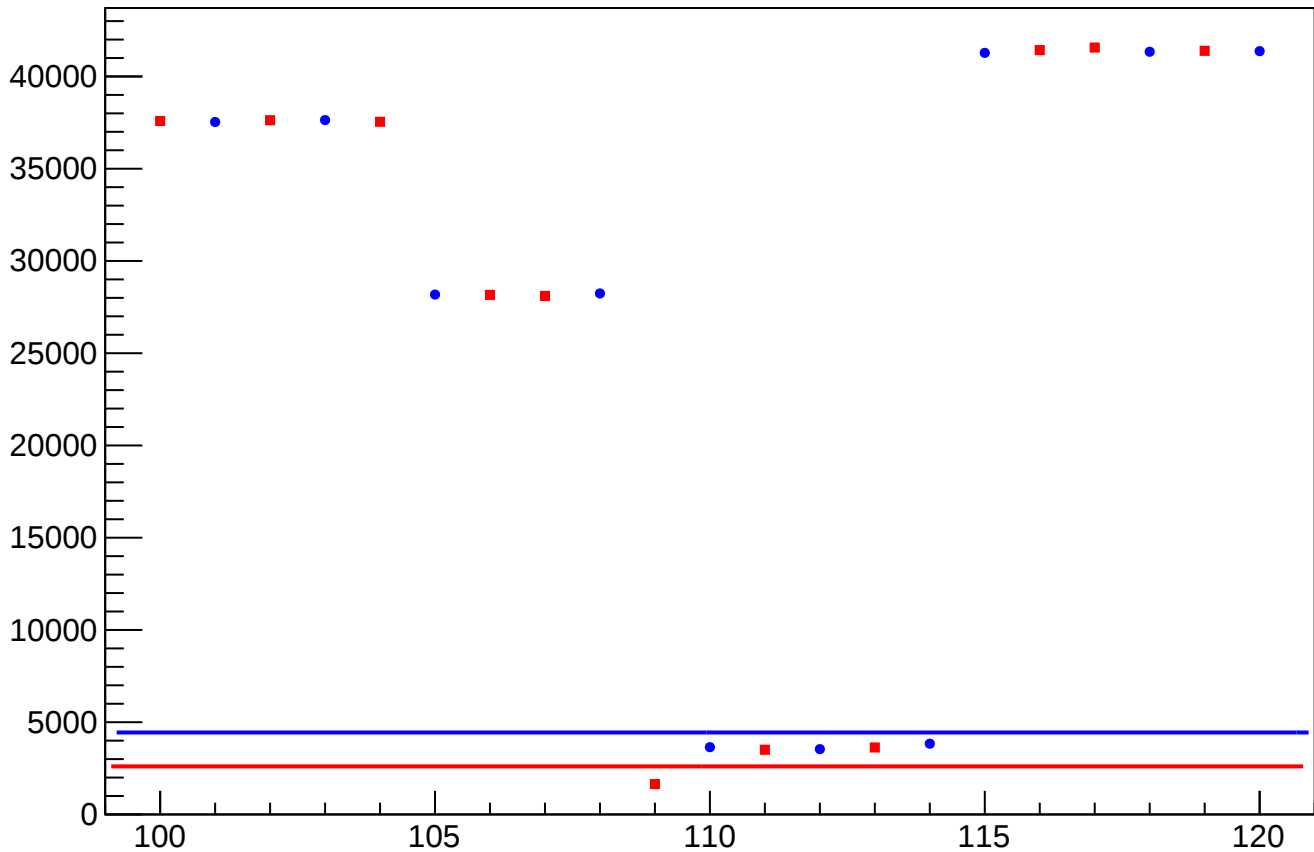
Right Out: -2.671+/-2.184  $\chi^2/\text{NDF}$ : 7.0/10

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

2.612+/-3.683  $\chi^2/\text{NDF}$ : 15.4/9

-2.671+/-2.184  $\chi^2/\text{NDF}$ : 7.0/10

# diff\_bpm1p02bY\_rms vs slug



Right In: 4443.196+/-2.604  $\chi^2/\text{NDF}$ : 4010179.7/9

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

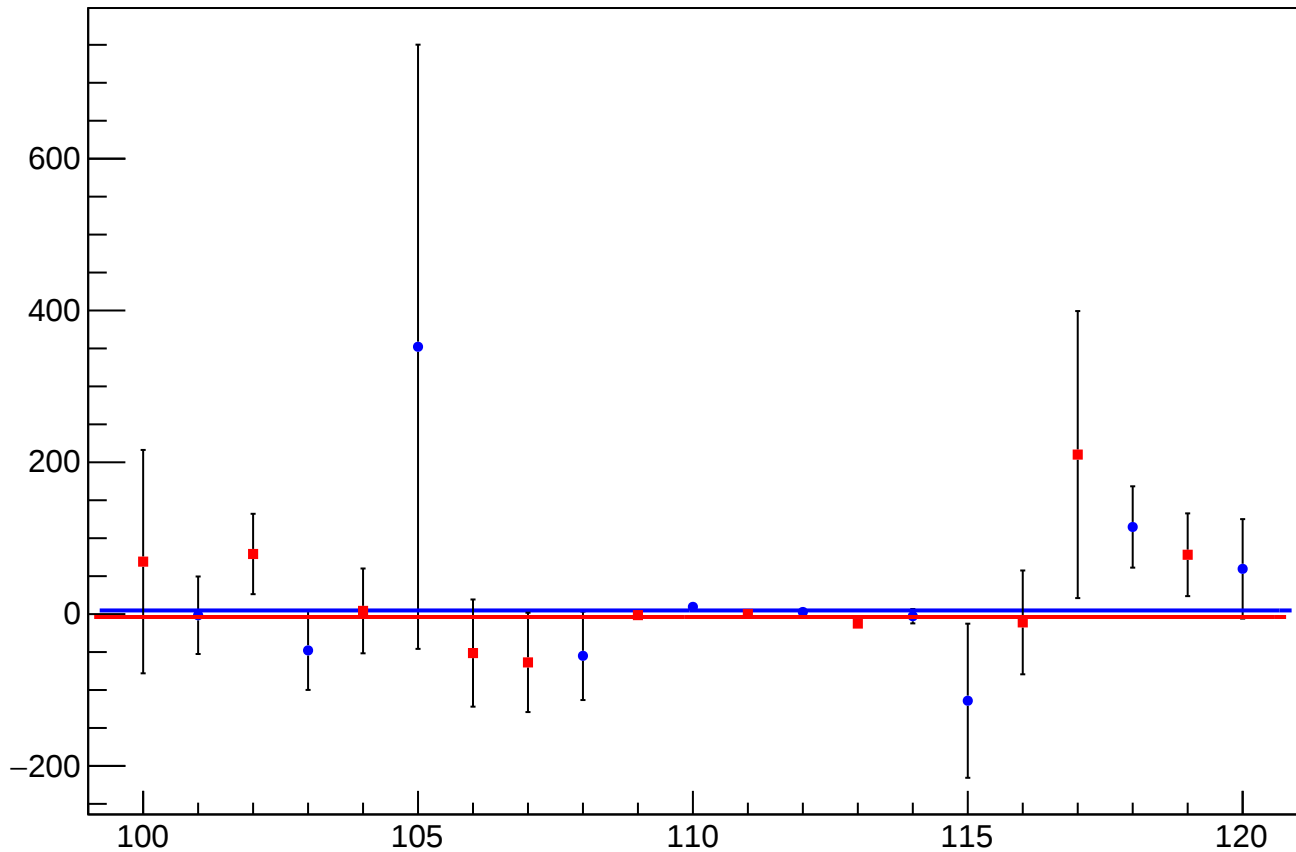
4443.196+/-2.604  $\chi^2/\text{NDF}$ : 4010179.7/9

Right Out: 2605.929+/-1.544  $\chi^2/\text{NDF}$ : 4813523.3/10

2605.929+/-1.544  $\chi^2/\text{NDF}$ : 4813523.3/10

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

# diff\_bpm1p03aX\_mean vs slug



Right In: 4.821+/-3.009  $\chi^2/\text{NDF}$ : 10.9/9

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

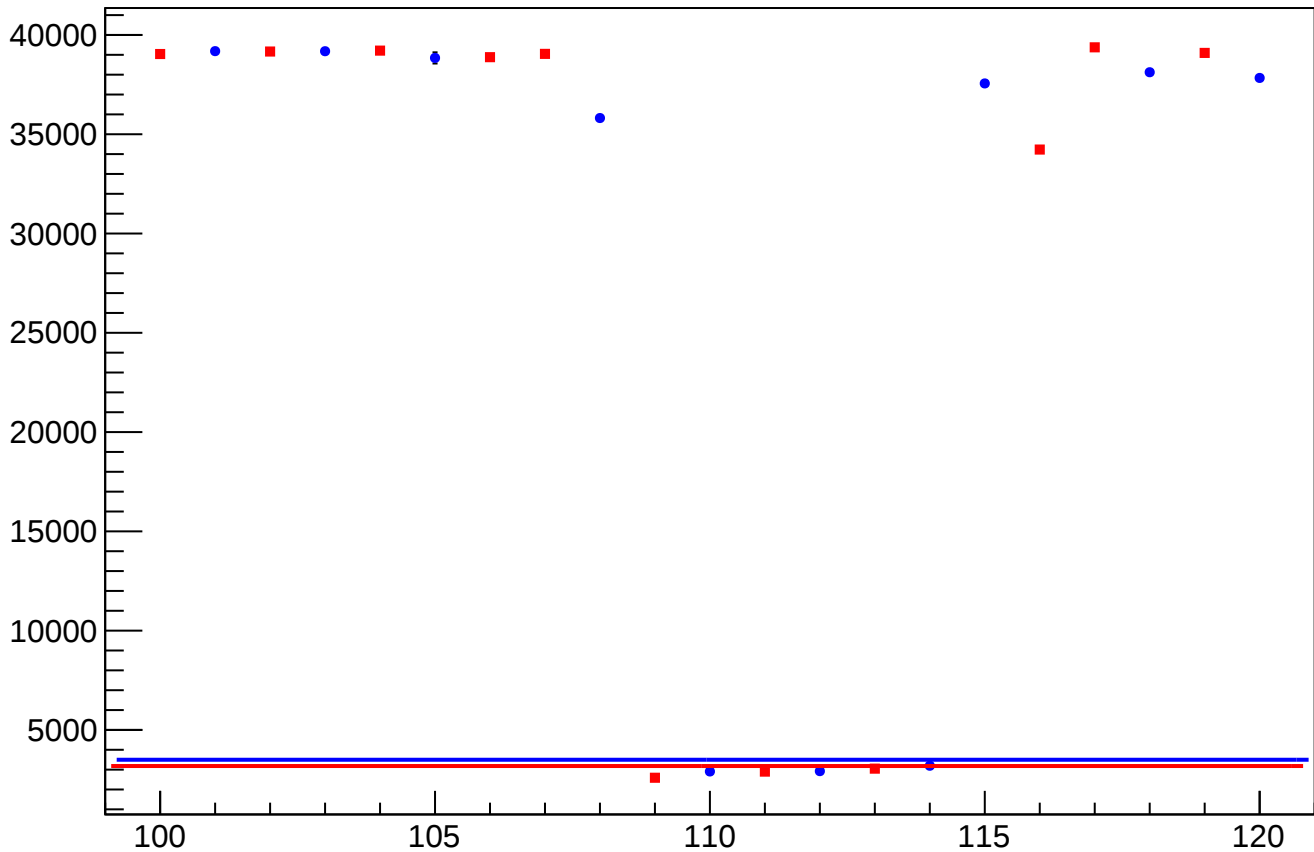
Right Out: -3.802+/-2.425  $\chi^2/\text{NDF}$ : 12.5/10

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

4.821+/-3.009  $\chi^2/\text{NDF}$ : 10.9/9

-3.802+/-2.425  $\chi^2/\text{NDF}$ : 12.5/10

# diff\_bpm1p03aX\_rms vs slug



Right In: 3497.934+/-2.128  $\chi^2/\text{NDF}$ : 4225616.6/9

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

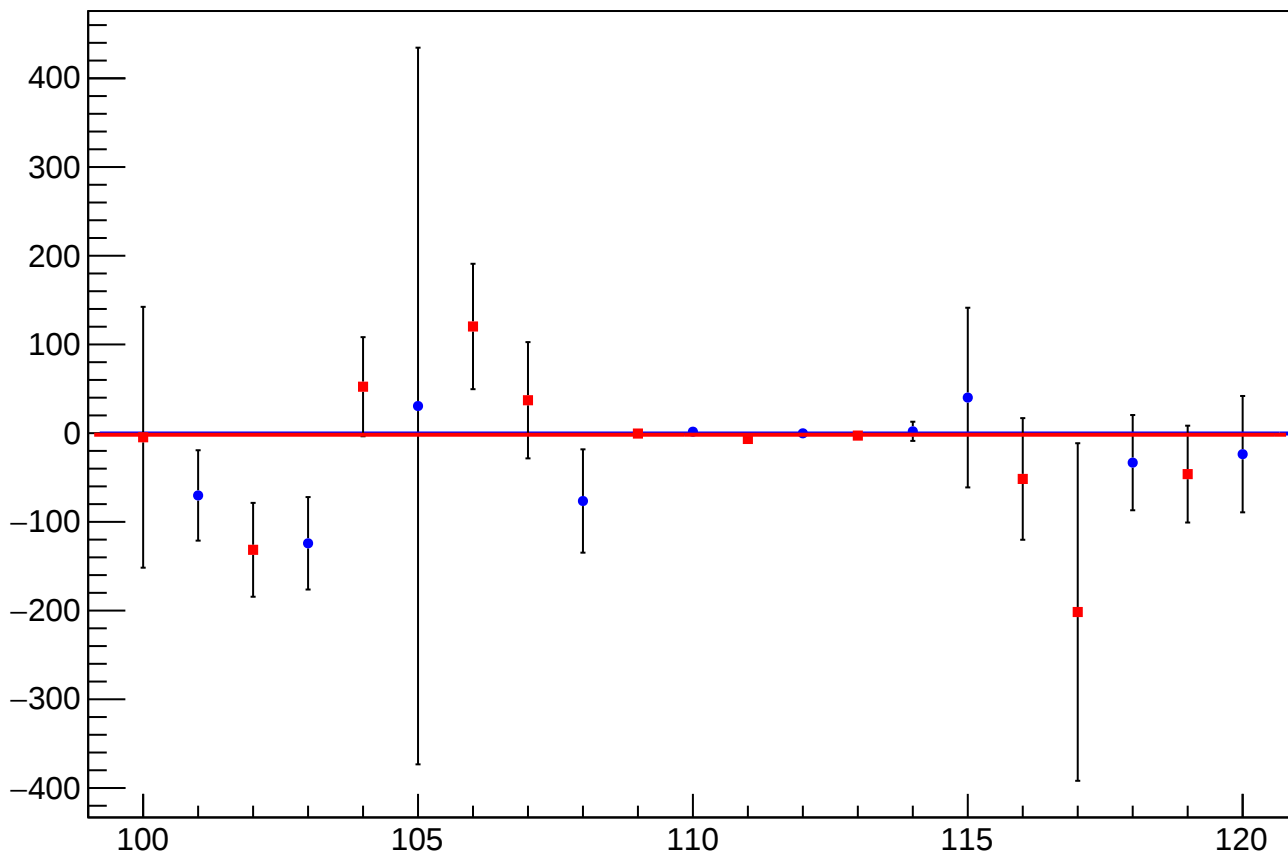
3497.934+/-2.128  $\chi^2/\text{NDF}$ : 4225616.6/9

Right Out: 3181.601+/-1.715  $\chi^2/\text{NDF}$ : 4398483.0/10

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

3181.601+/-1.715  $\chi^2/\text{NDF}$ : 4398483.0/10

# diff\_bpm1p03aY\_mean vs slug



Right In: -0.374+/-3.187  $\chi^2$ /NDF: 10.1/9

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

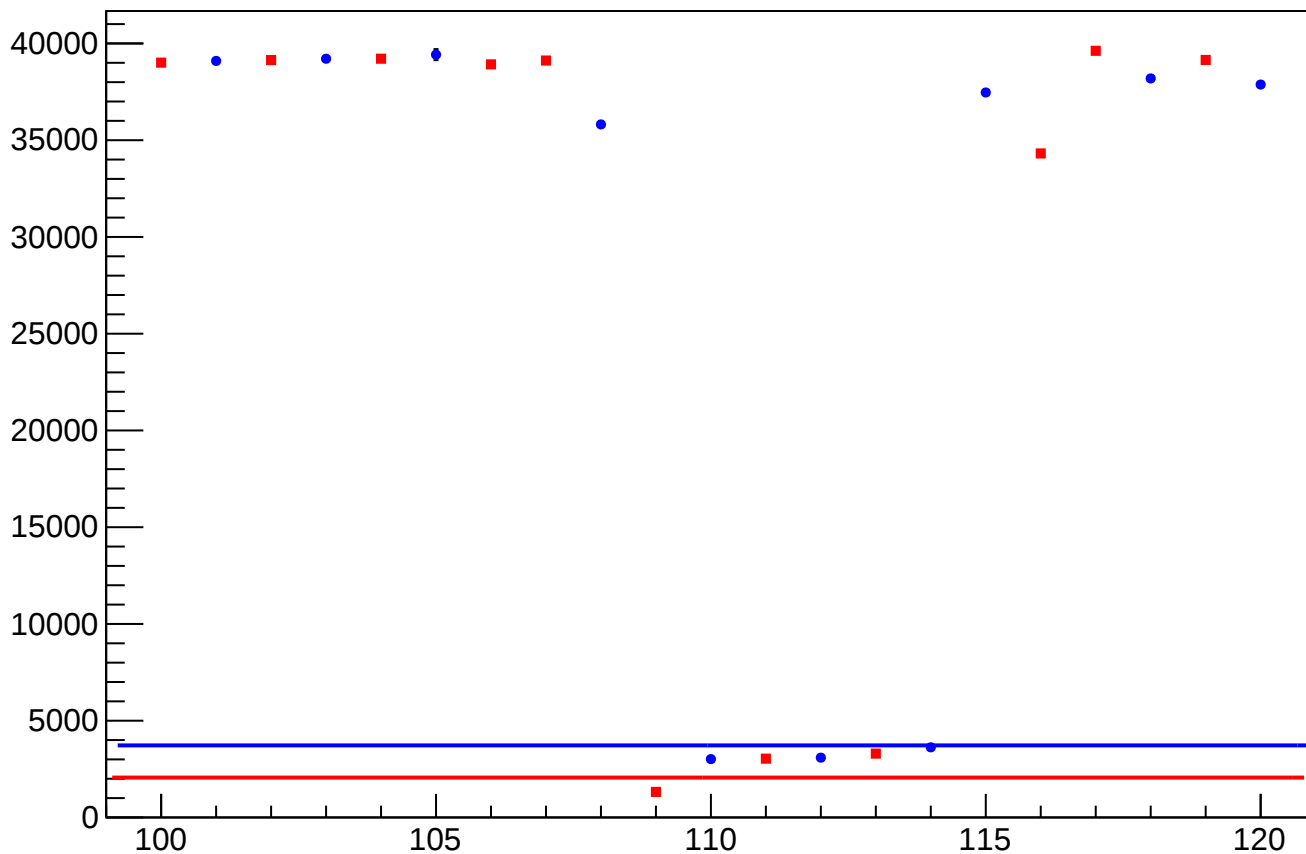
Right Out: -1.758+/-1.823  $\chi^2$ /NDF: 14.0/10

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

-0.374+/-3.187  $\chi^2$ /NDF: 10.1/9

-1.758+/-1.823  $\chi^2$ /NDF: 14.0/10

# diff\_bpm1p03aY\_rms vs slug



Right In: 3724.060 $\pm$ 2.254  $\chi^2$ /NDF: 4182464.8/9

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

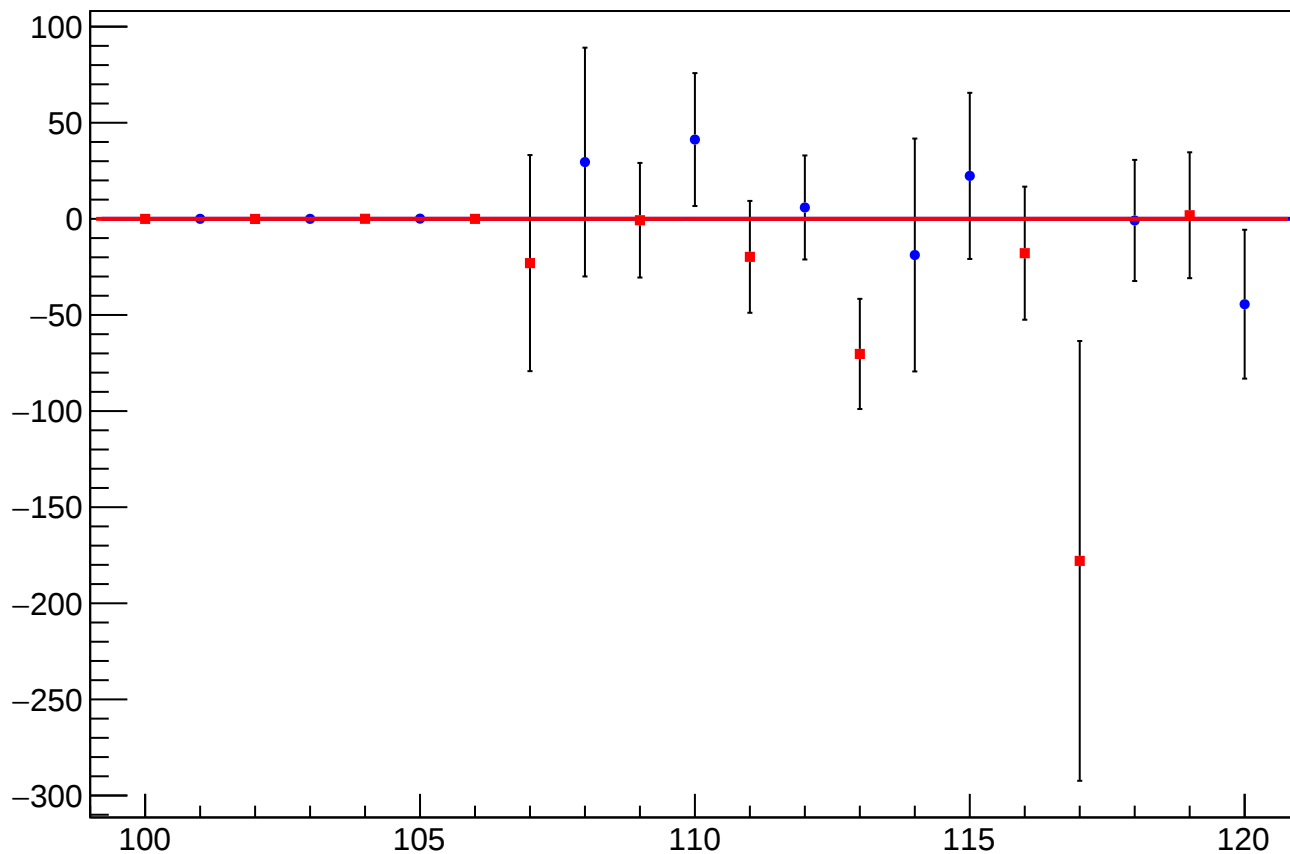
Right Out: 2061.114 $\pm$ 1.289  $\chi^2$ /NDF: 5066303.9/10

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

3724.060 $\pm$ 2.254  $\chi^2$ /NDF: 4182464.8/9

2061.114 $\pm$ 1.289  $\chi^2$ /NDF: 5066303.9/10

# diff\_cav4bX\_mean vs slug



Right In: 0.015+/-0.017     $\chi^2/\text{NDF}$ : 3.9/9

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

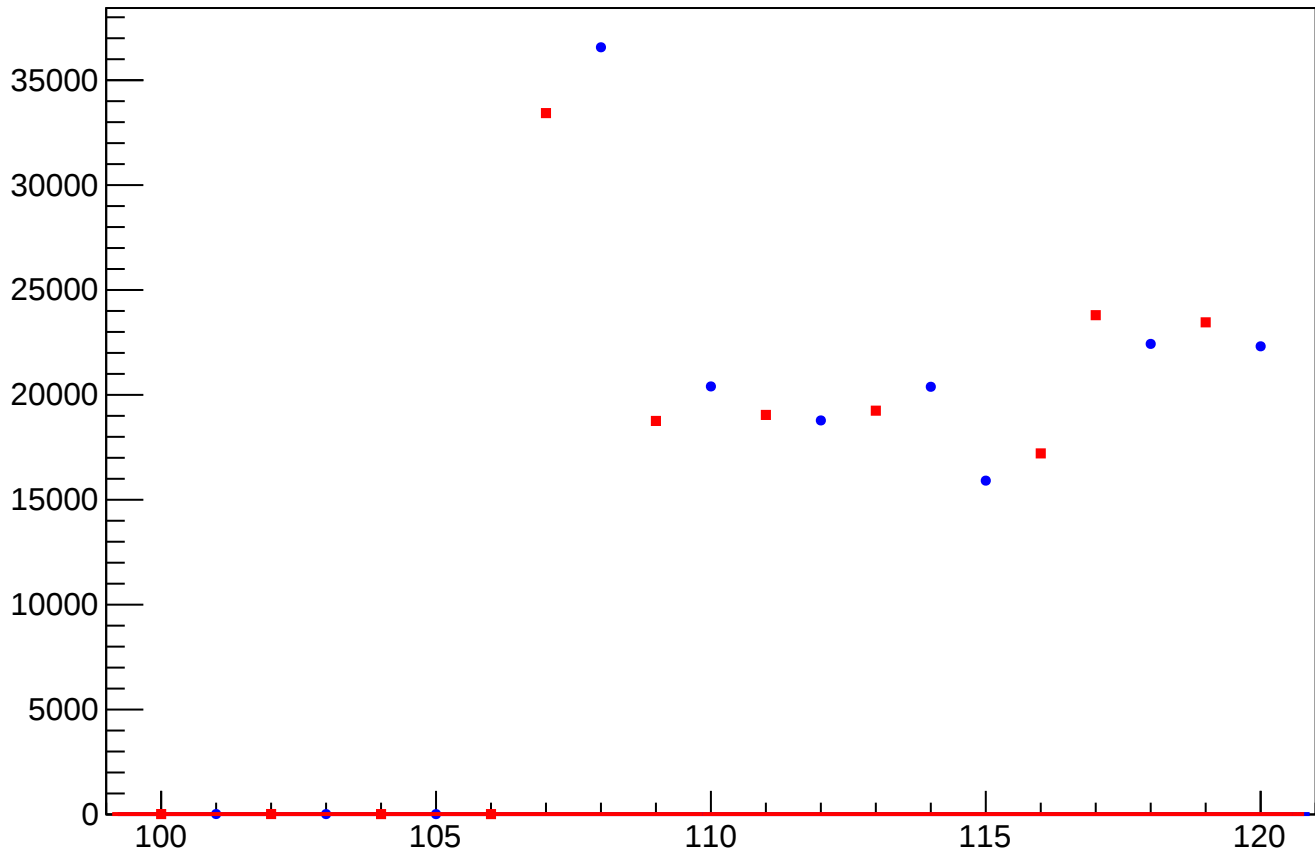
Right Out: 0.003+/-0.016     $\chi^2/\text{NDF}$ : 14.2/10

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

0.015+/-0.017     $\chi^2/\text{NDF}$ : 3.9/9

0.003+/-0.016     $\chi^2/\text{NDF}$ : 14.2/10

# diff\_cav4bX\_rms vs slug



Right In: 18.557+/-0.012  $\chi^2/\text{NDF}$ : 4595397.8/9

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

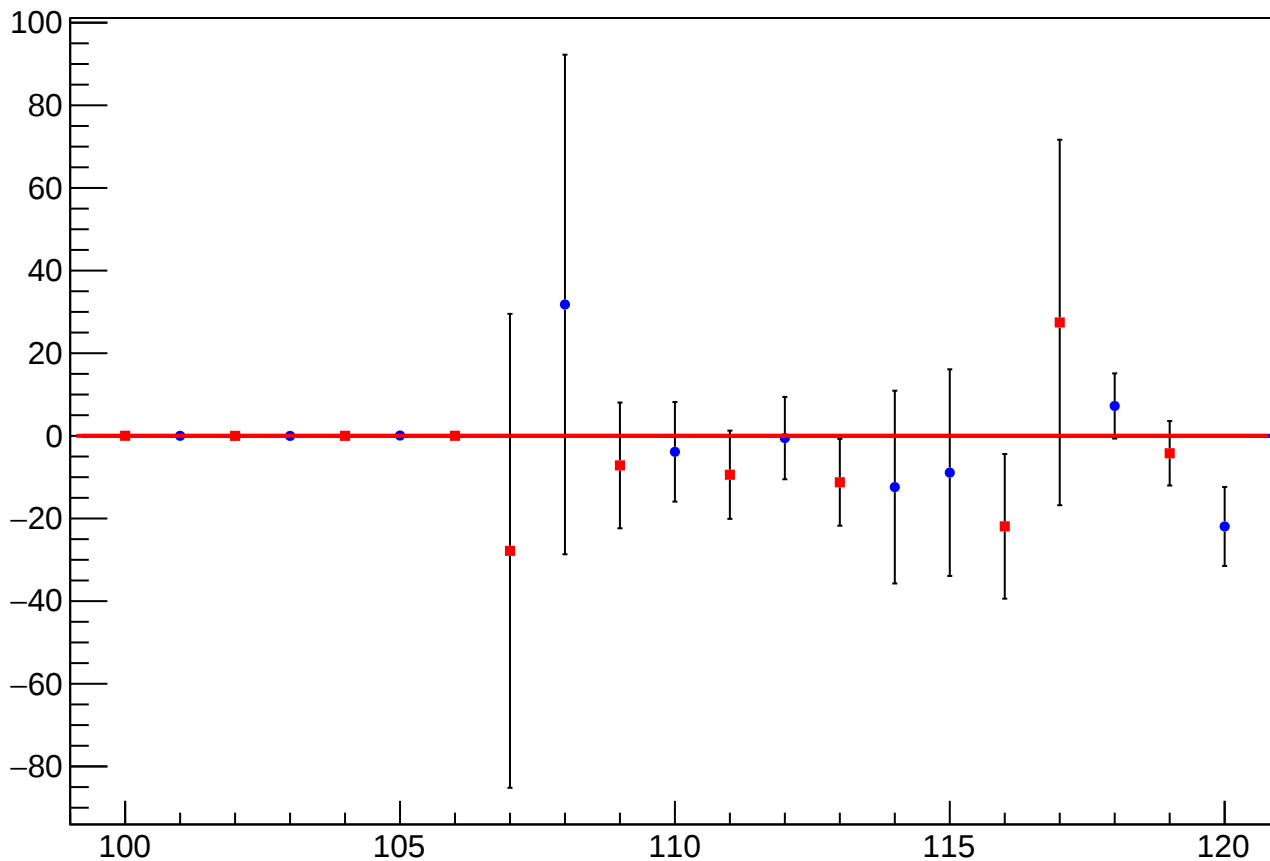
Right Out: 18.272+/-0.011  $\chi^2/\text{NDF}$ : 4869233.4/10

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

18.557+/-0.012  $\chi^2/\text{NDF}$ : 4595397.8/9

18.272+/-0.011  $\chi^2/\text{NDF}$ : 4869233.4/10

# diff\_cav4bY\_mean vs slug



Right In: 0.002+/-0.009  $\chi^2/\text{NDF}$ : 8.9/9

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

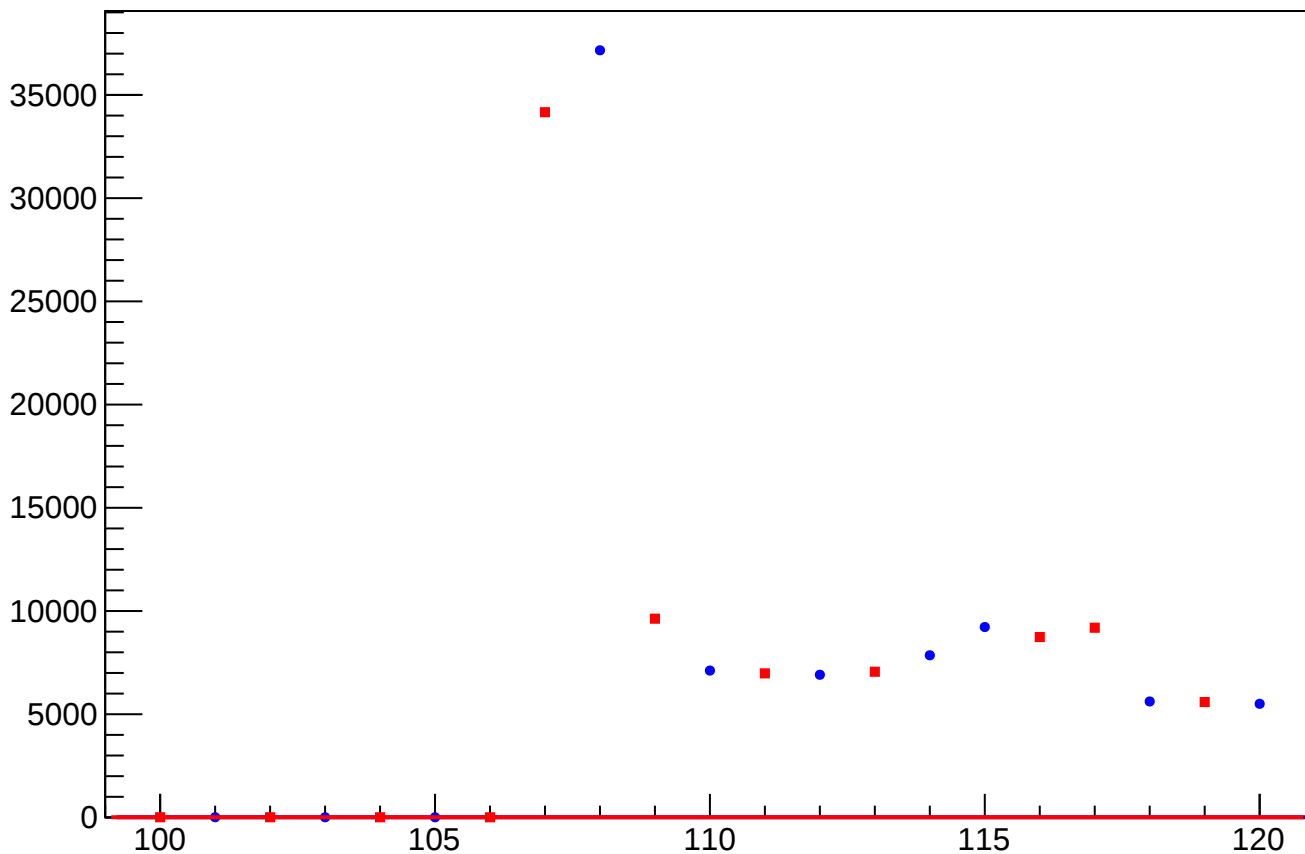
Right Out: 0.014+/-0.009  $\chi^2/\text{NDF}$ : 5.3/10

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

0.002+/-0.009  $\chi^2/\text{NDF}$ : 8.9/9

0.014+/-0.009  $\chi^2/\text{NDF}$ : 5.3/10

# diff\_cav4bY\_rms vs slug



Right In: 9.861+/-0.006     $\chi^2/\text{NDF}$ : 4592141.9/9

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

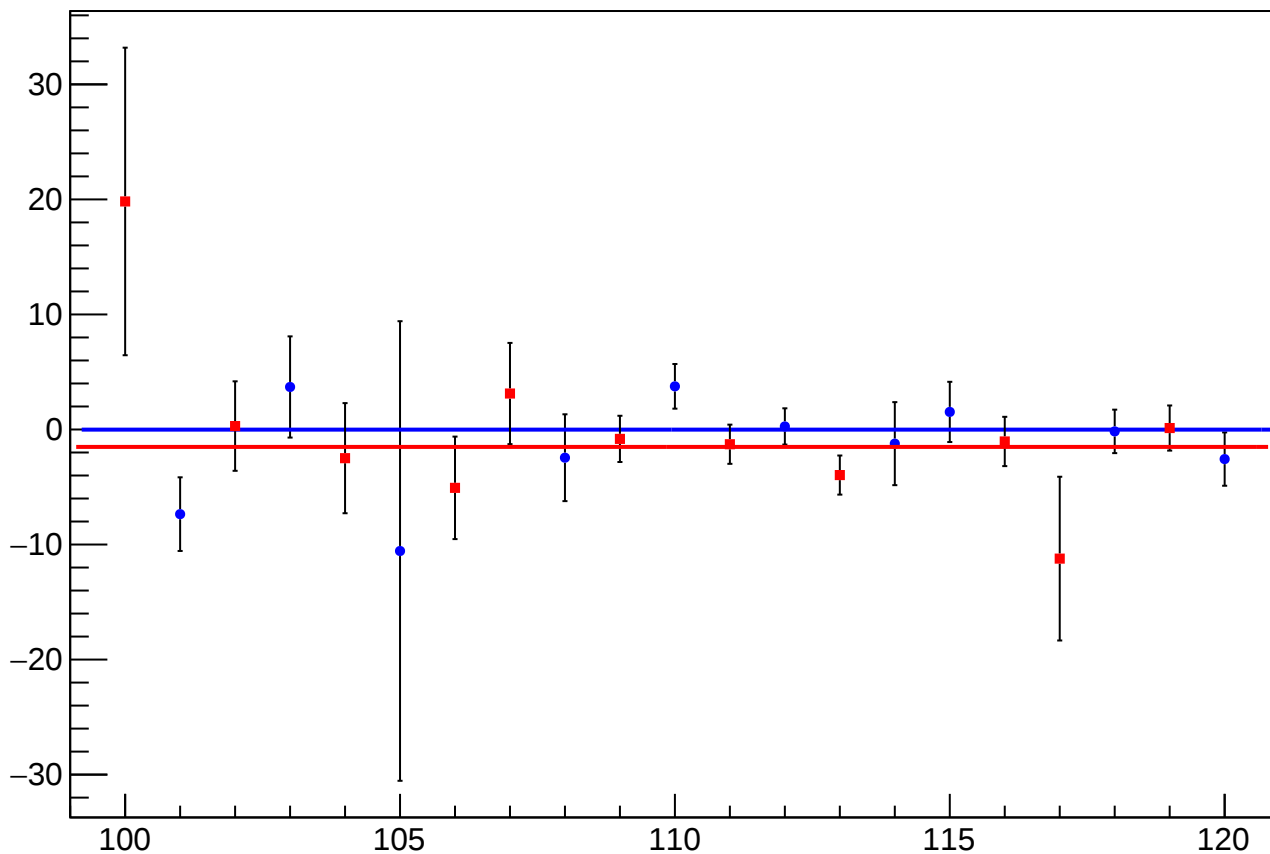
Right Out: 9.803+/-0.006     $\chi^2/\text{NDF}$ : 4881523.6/10

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

9.861+/-0.006     $\chi^2/\text{NDF}$ : 4592141.9/9

9.803+/-0.006     $\chi^2/\text{NDF}$ : 4881523.6/10

# diff\_cav4cX\_mean vs slug



Right In: -0.012 $\pm$ 0.796  $\chi^2$ /NDF: 12.1/9

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

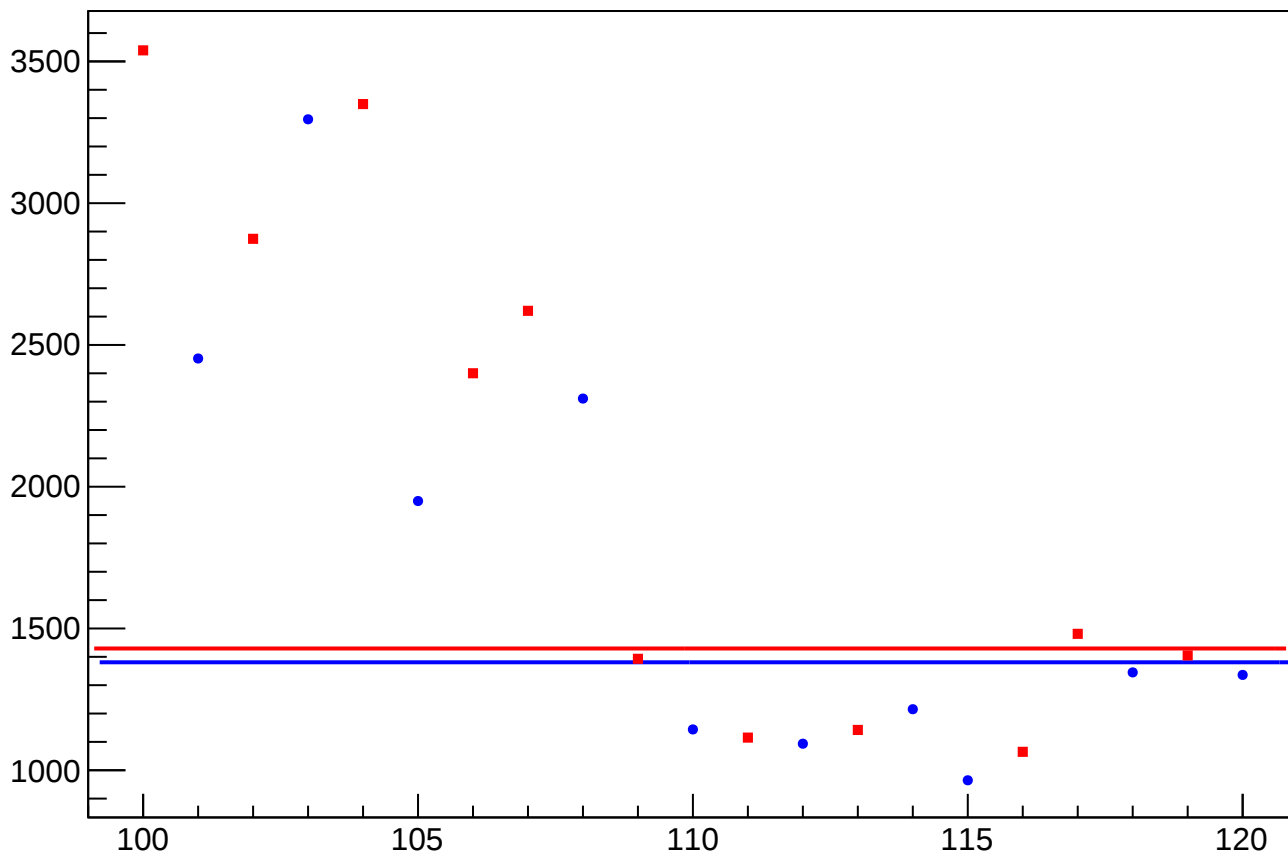
Right Out: -1.514 $\pm$ 0.778  $\chi^2$ /NDF: 9.4/10

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

-0.012 $\pm$ 0.796  $\chi^2$ /NDF: 12.1/9

-1.514 $\pm$ 0.778  $\chi^2$ /NDF: 9.4/10

# diff\_cav4cX\_rms vs slug



Right In: 1380.731+/-0.563  $\chi^2/\text{NDF}$ : 878766.8/9

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

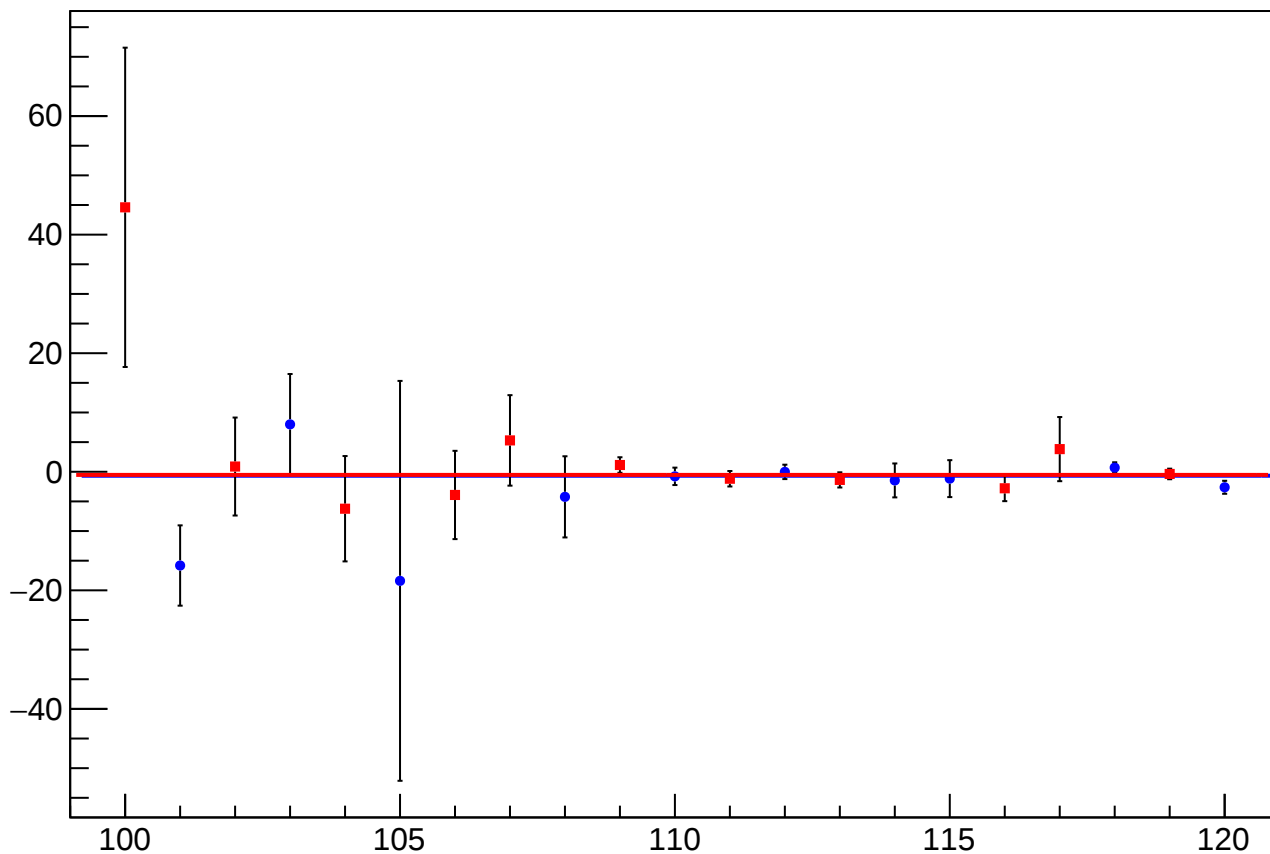
Right Out: 1429.408+/-0.550  $\chi^2/\text{NDF}$ : 1073486.6/10

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

1380.731+/-0.563  $\chi^2/\text{NDF}$ : 878766.8/9

1429.408+/-0.550  $\chi^2/\text{NDF}$ : 1073486.6/10

# diff\_cav4cY\_mean vs slug



Right In: -0.667+/-0.535  $\chi^2$ /NDF: 12.4/9

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

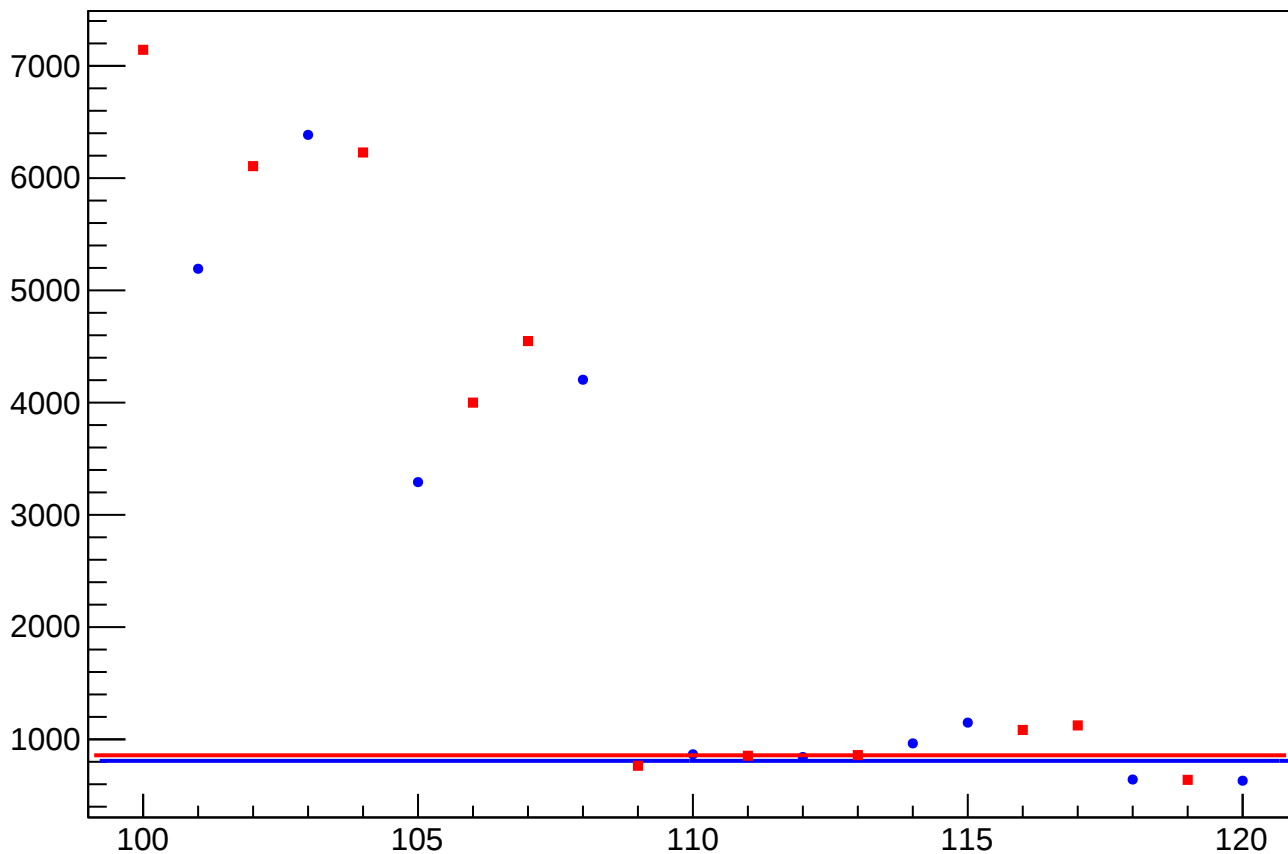
Right Out: -0.528+/-0.547  $\chi^2$ /NDF: 8.1/10

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

-0.667+/-0.535  $\chi^2$ /NDF: 12.4/9

-0.528+/-0.547  $\chi^2$ /NDF: 8.1/10

# diff\_cav4cY\_rms vs slug



Right In: 808.516 $\pm$ 0.379  $\chi^2$ /NDF: 2357517.1/9

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

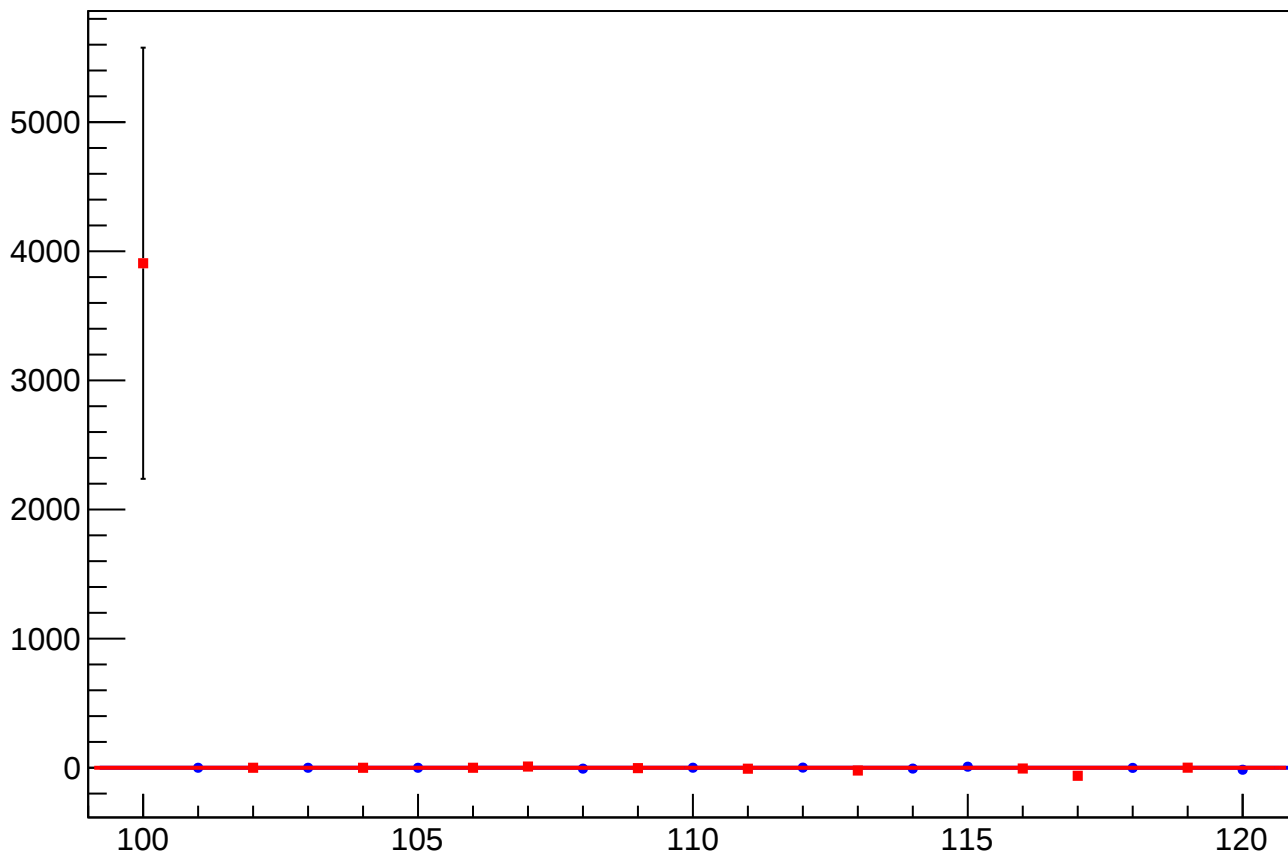
Right Out: 857.949 $\pm$ 0.386  $\chi^2$ /NDF: 2626969.8/10

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

808.516 $\pm$ 0.379  $\chi^2$ /NDF: 2357517.1/9

857.949 $\pm$ 0.386  $\chi^2$ /NDF: 2626969.8/10

# diff\_cav4dX\_mean vs slug



Right In: -0.023+/-0.021  $\chi^2/\text{NDF}$ : 3.3/9

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

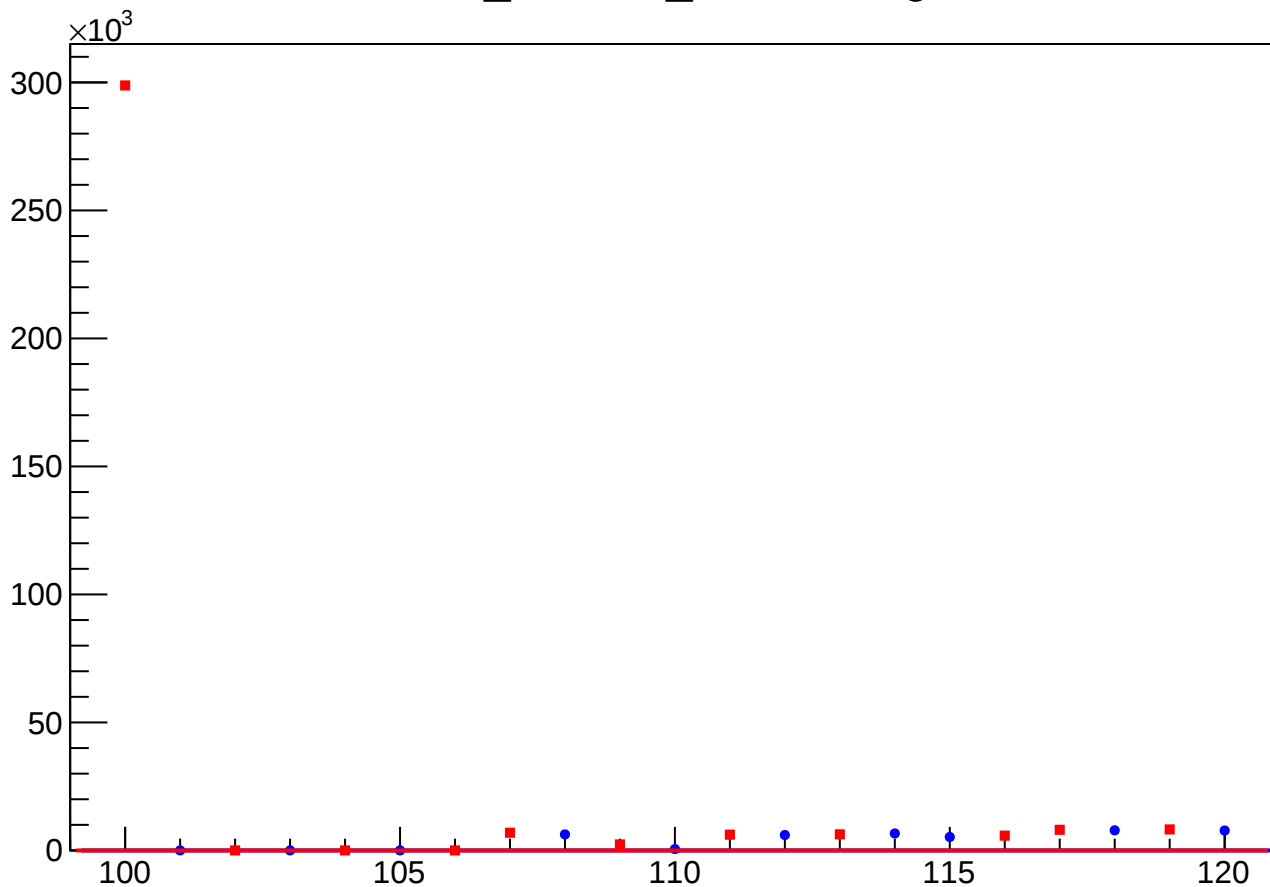
Right Out: -0.027+/-0.020  $\chi^2/\text{NDF}$ : 16.0/10

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

-0.023+/-0.021  $\chi^2/\text{NDF}$ : 3.3/9

-0.027+/-0.020  $\chi^2/\text{NDF}$ : 16.0/10

# diff\_cav4dX\_rms vs slug



Right In: 17.117 $\pm$ 0.015  $\chi^2$ /NDF: 4119233.0/9

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

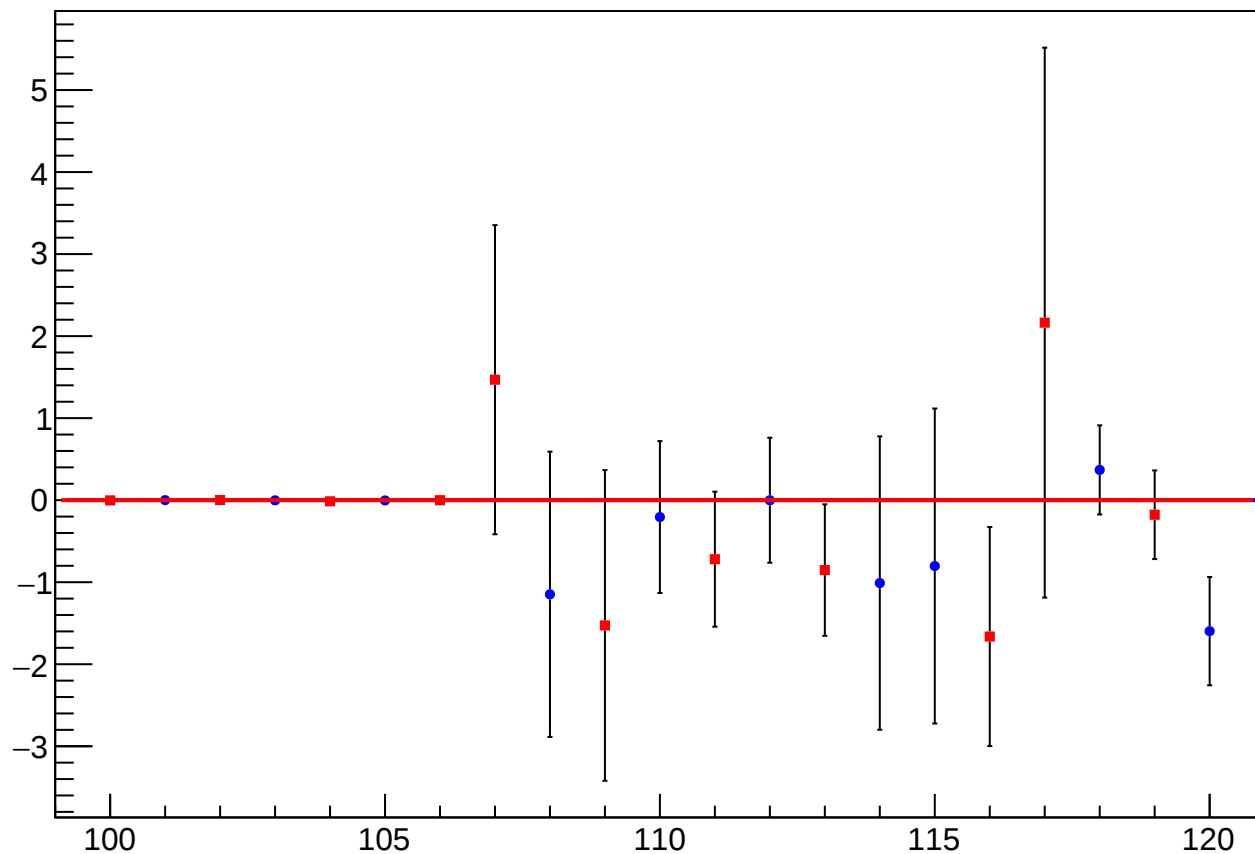
Right Out: 17.090 $\pm$ 0.014  $\chi^2$ /NDF: 4598962.0/10

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

17.117 $\pm$ 0.015  $\chi^2$ /NDF: 4119233.0/9

17.090 $\pm$ 0.014  $\chi^2$ /NDF: 4598962.0/10

# diff\_cav4dY\_mean vs slug



Right In: 0.000+/-0.002  $\chi^2/\text{NDF}$ : 7.5/9

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

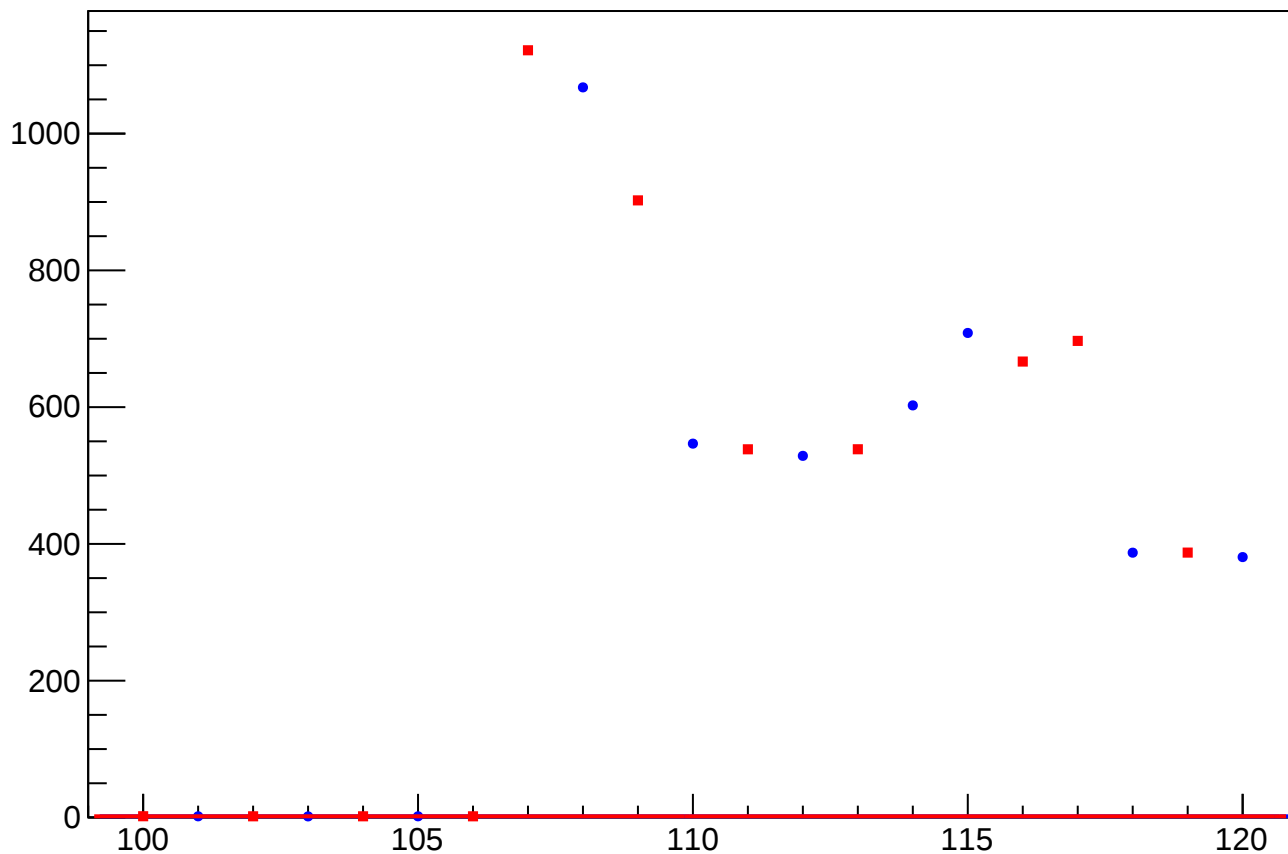
Right Out: 0.001+/-0.002  $\chi^2/\text{NDF}$ : 6.2/10

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

0.000+/-0.002  $\chi^2/\text{NDF}$ : 7.5/9

0.001+/-0.002  $\chi^2/\text{NDF}$ : 6.2/10

# diff\_cav4dY\_rms vs slug



Right In: 1.663+/-0.001  $\chi^2/\text{NDF}$ : 4565689.5/9

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

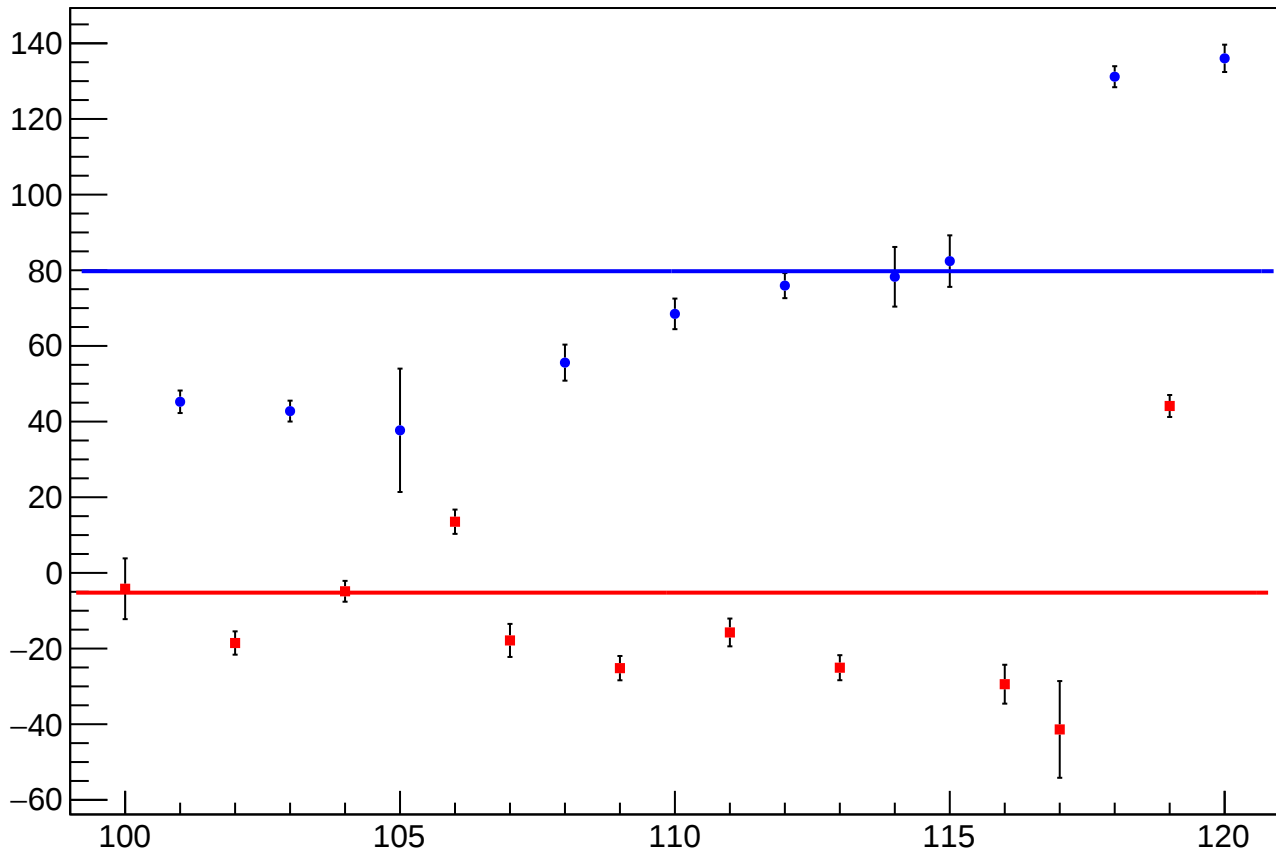
Right Out: 1.695+/-0.001  $\chi^2/\text{NDF}$ : 4507132.0/10

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

1.663+/-0.001  $\chi^2/\text{NDF}$ : 4565689.5/9

1.695+/-0.001  $\chi^2/\text{NDF}$ : 4507132.0/10

# diff\_bpm0i01X\_mean vs slug



Right In: 79.755 $\pm$ 1.206  $\chi^2$ /NDF: 940.9/9

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

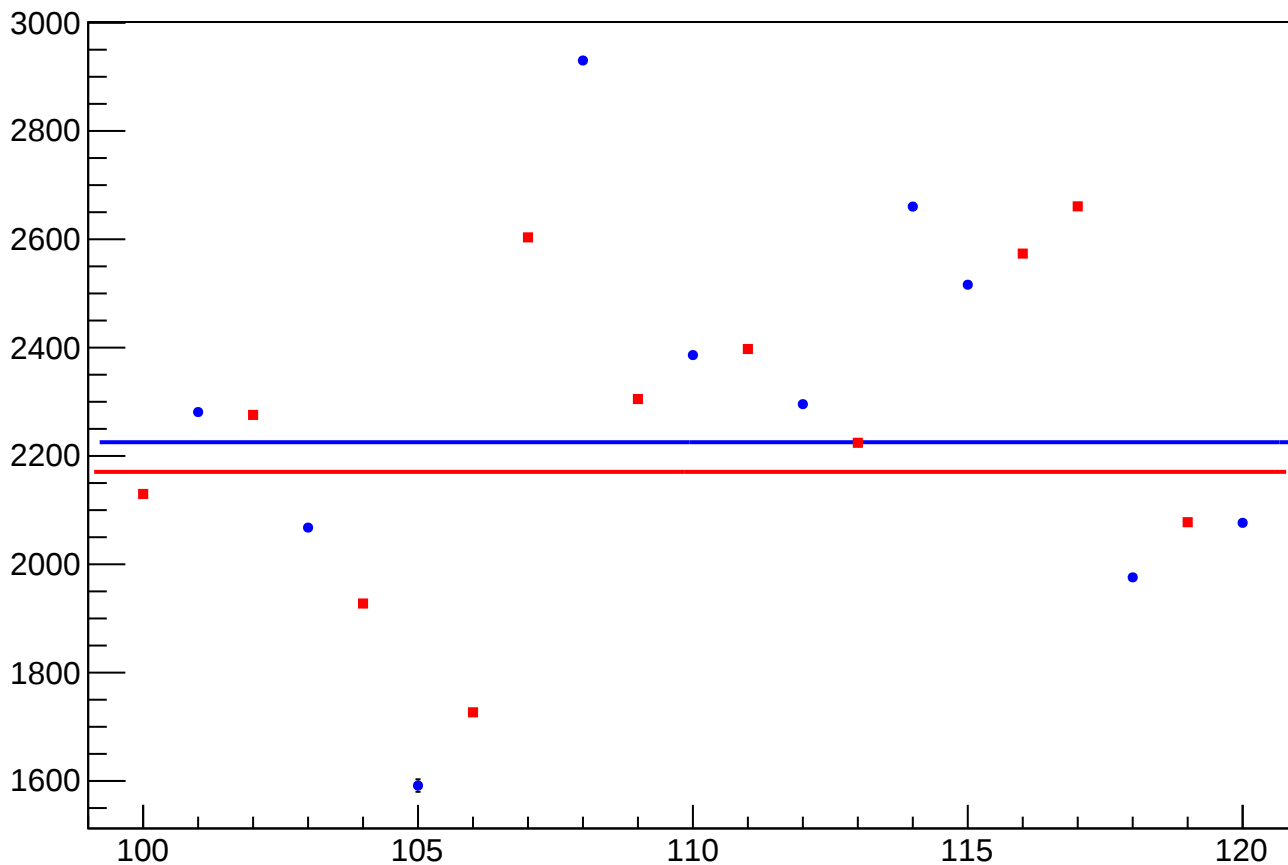
79.755 $\pm$ 1.206  $\chi^2$ /NDF: 940.9/9

Right Out: -5.220 $\pm$ 1.100  $\chi^2$ /NDF: 462.3/10

-5.220 $\pm$ 1.100  $\chi^2$ /NDF: 462.3/10

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

# diff\_bpm0i01X\_rms vs slug



Right In: 2225.372+/-0.853  $\chi^2/\text{NDF}$ : 87303.9/9

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

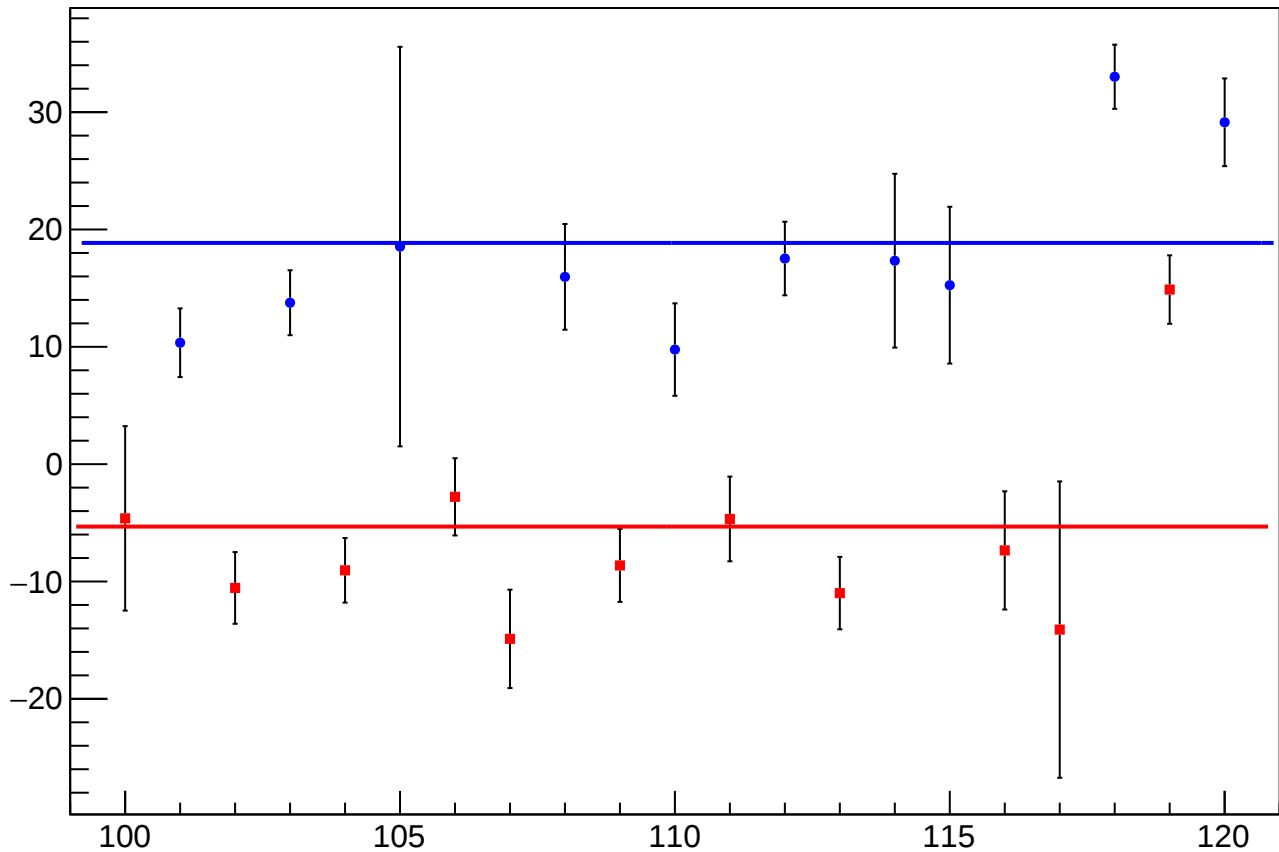
Right Out: 2170.648+/-0.778  $\chi^2/\text{NDF}$ : 104772.8/10

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

2225.372+/-0.853  $\chi^2/\text{NDF}$ : 87303.9/9

2170.648+/-0.778  $\chi^2/\text{NDF}$ : 104772.8/10

# diff\_bpm0i01Y\_mean vs slug



Right In: 18.856+/-1.185  $\chi^2/\text{NDF}$ : 52.5/9

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

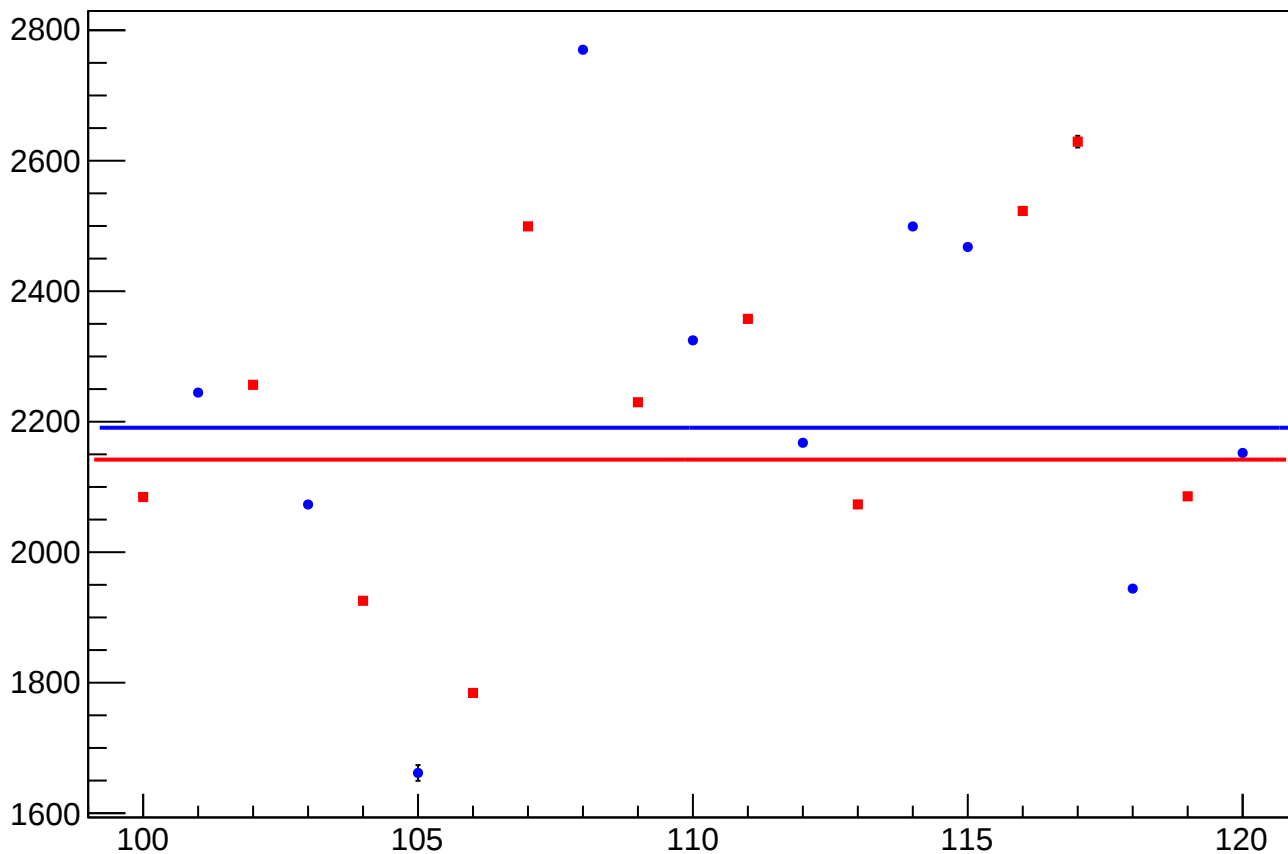
Right Out: -5.321+/-1.083  $\chi^2/\text{NDF}$ : 63.7/10

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

18.856+/-1.185  $\chi^2/\text{NDF}$ : 52.5/9

-5.321+/-1.083  $\chi^2/\text{NDF}$ : 63.7/10

# diff\_bpm0i01Y\_rms vs slug



Right In: 2190.778 $\pm$ 0.838  $\chi^2$ /NDF: 65108.9/9

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

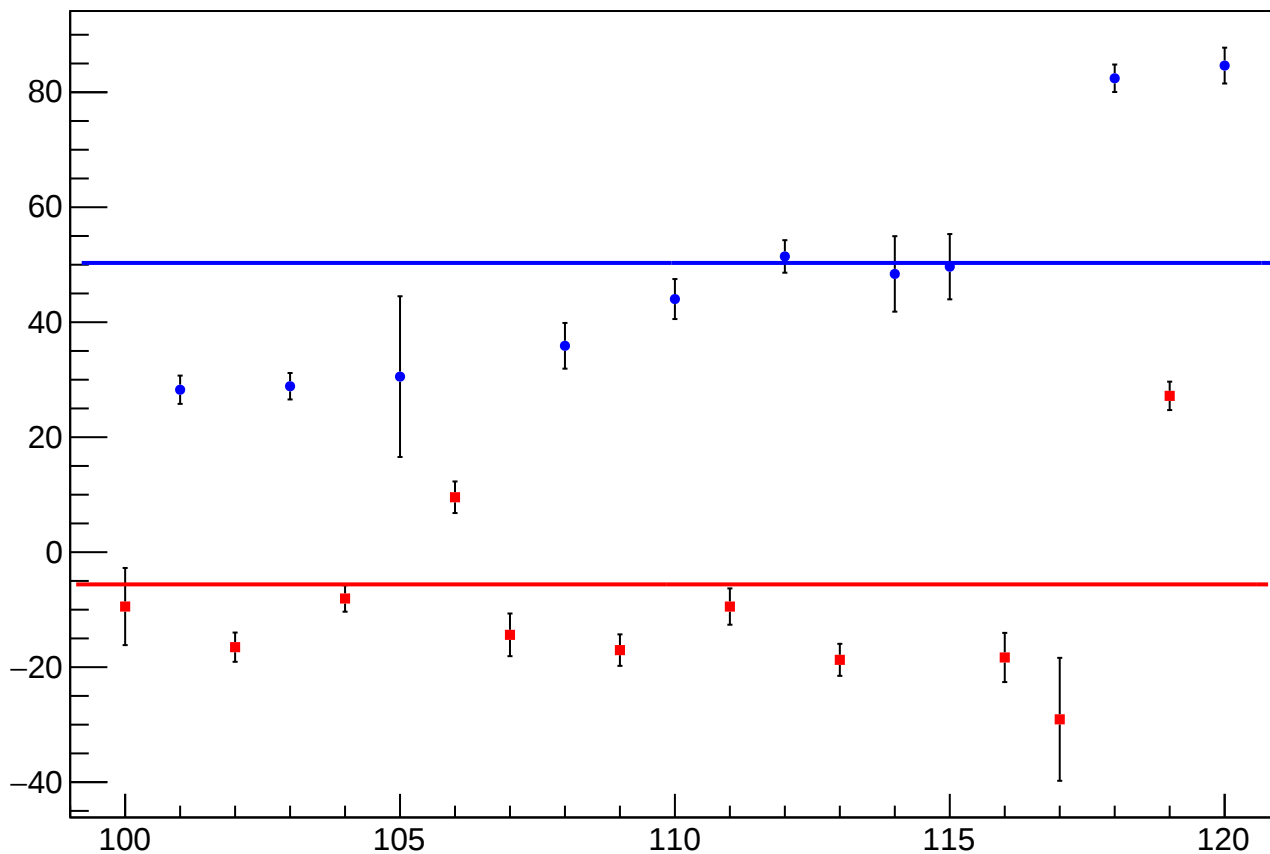
Right Out: 2141.922 $\pm$ 0.766  $\chi^2$ /NDF: 78341.1/10

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

2190.778 $\pm$ 0.838  $\chi^2$ /NDF: 65108.9/9

2141.922 $\pm$ 0.766  $\chi^2$ /NDF: 78341.1/10

# diff\_bpm0i01aX\_mean vs slug



Right In: 50.312 $\pm$ 1.020  $\chi^2$ /NDF: 487.5/9

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

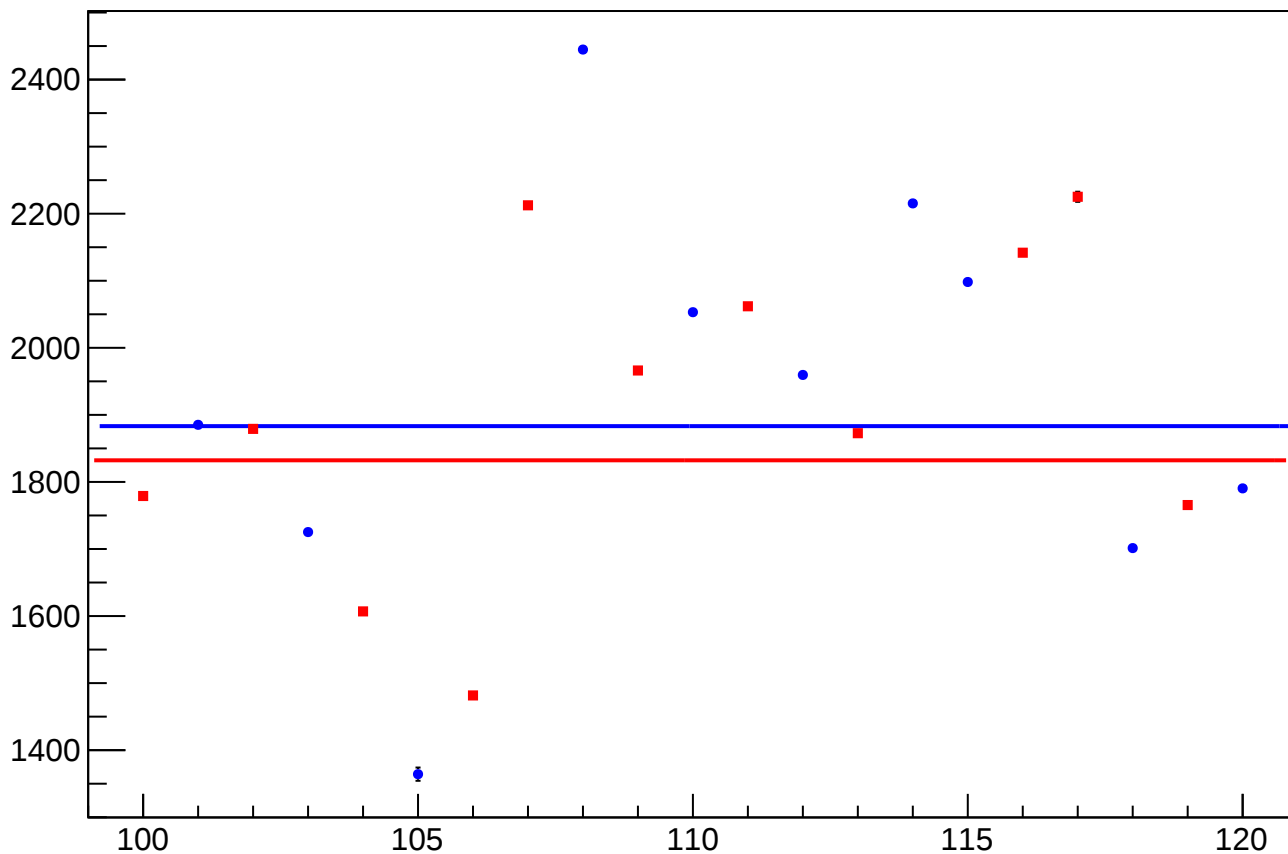
Right Out: -5.602 $\pm$ 0.928  $\chi^2$ /NDF: 286.7/10

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

50.312 $\pm$ 1.020  $\chi^2$ /NDF: 487.5/9

-5.602 $\pm$ 0.928  $\chi^2$ /NDF: 286.7/10

# diff\_bpm0i01aX\_rms vs slug



Right In: 1883.210+/-0.721  $\chi^2/\text{NDF}$ : 79618.4/9

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

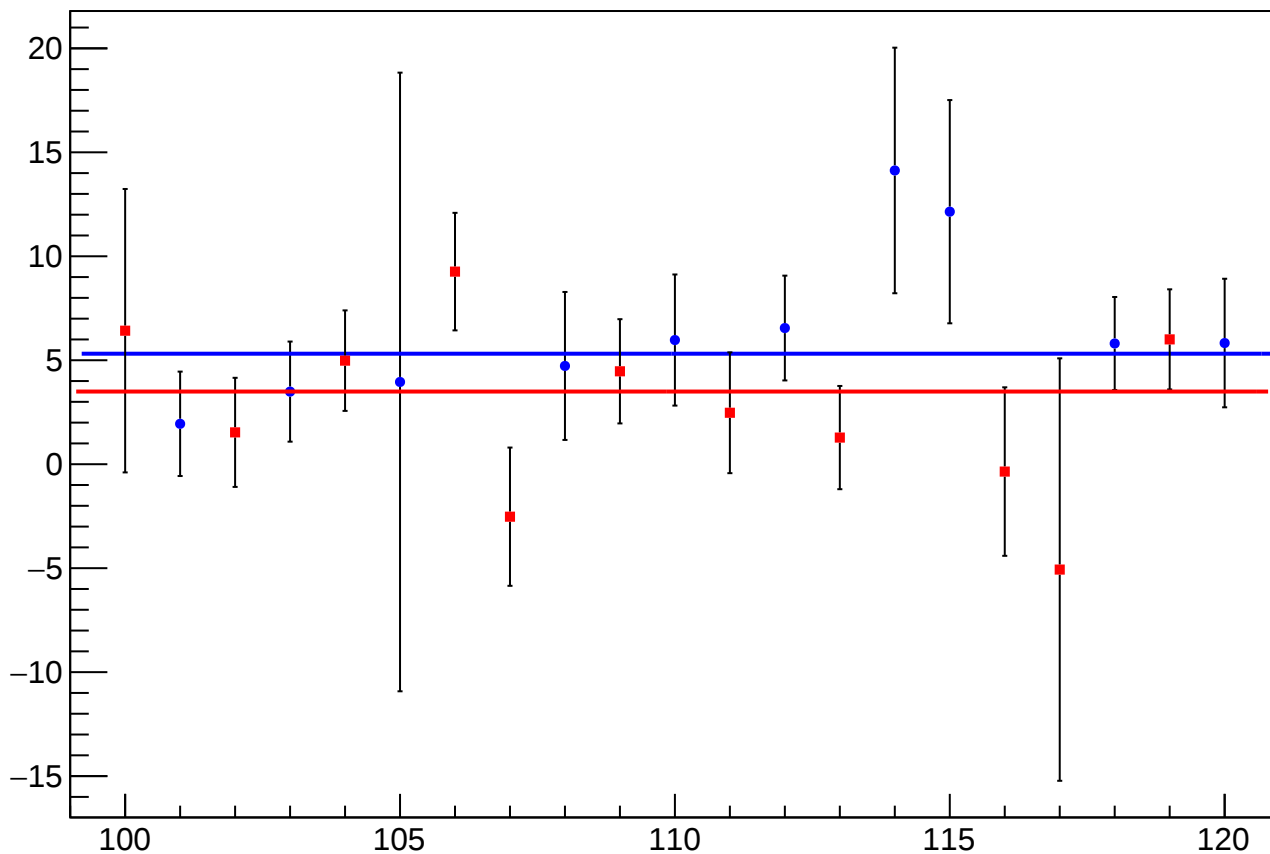
Right Out: 1832.245+/-0.656  $\chi^2/\text{NDF}$ : 104024.7/10

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

1883.210+/-0.721  $\chi^2/\text{NDF}$ : 79618.4/9

1832.245+/-0.656  $\chi^2/\text{NDF}$ : 104024.7/10

# diff\_bpm0i01aY\_mean vs slug



Right In: 5.315 $\pm$ 0.980  $\chi^2$ /NDF: 6.6/9

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

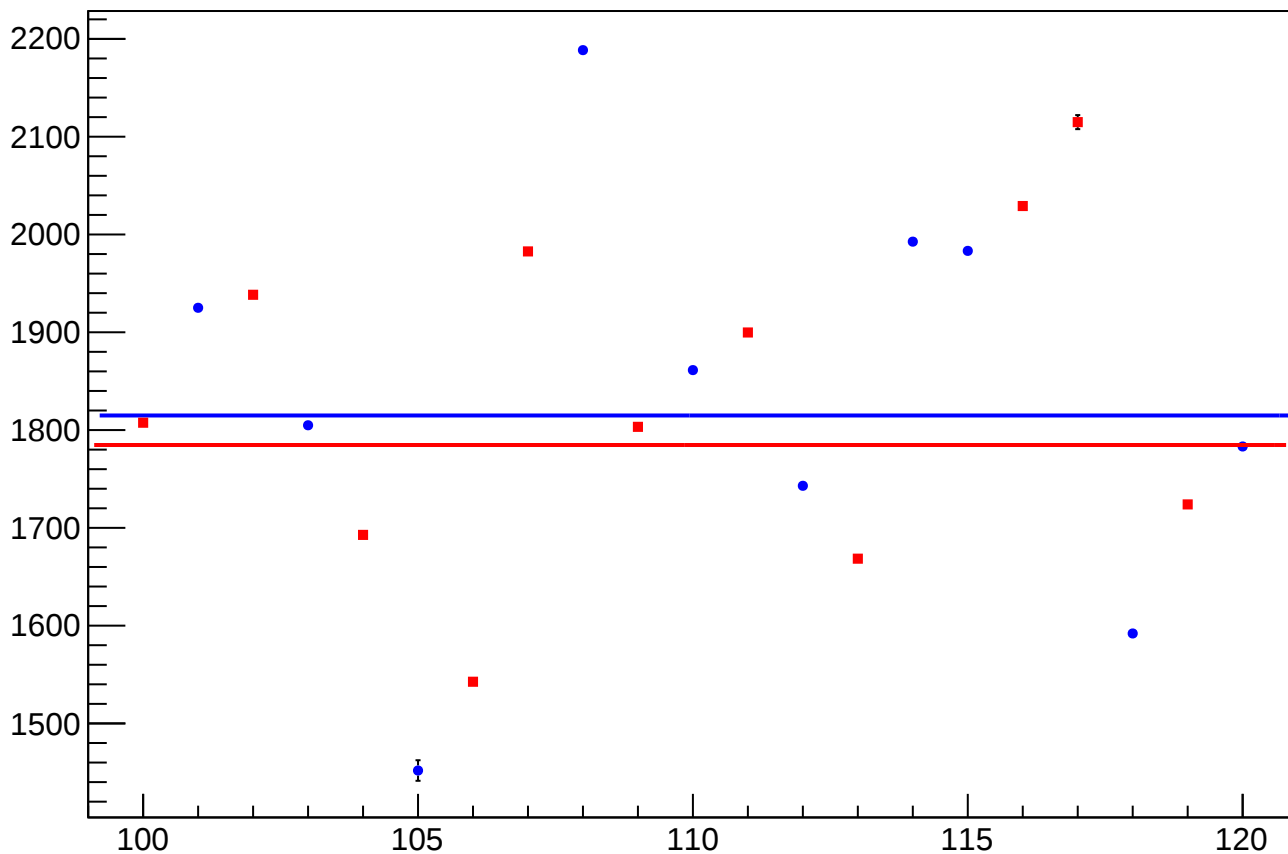
Right Out: 3.495 $\pm$ 0.899  $\chi^2$ /NDF: 12.3/10

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

5.315 $\pm$ 0.980  $\chi^2$ /NDF: 6.6/9

3.495 $\pm$ 0.899  $\chi^2$ /NDF: 12.3/10

# diff\_bpm0i01aY\_rms vs slug



Right In: 1814.915 $\pm$ 0.693  $\chi^2$ /NDF: 53052.2/9

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

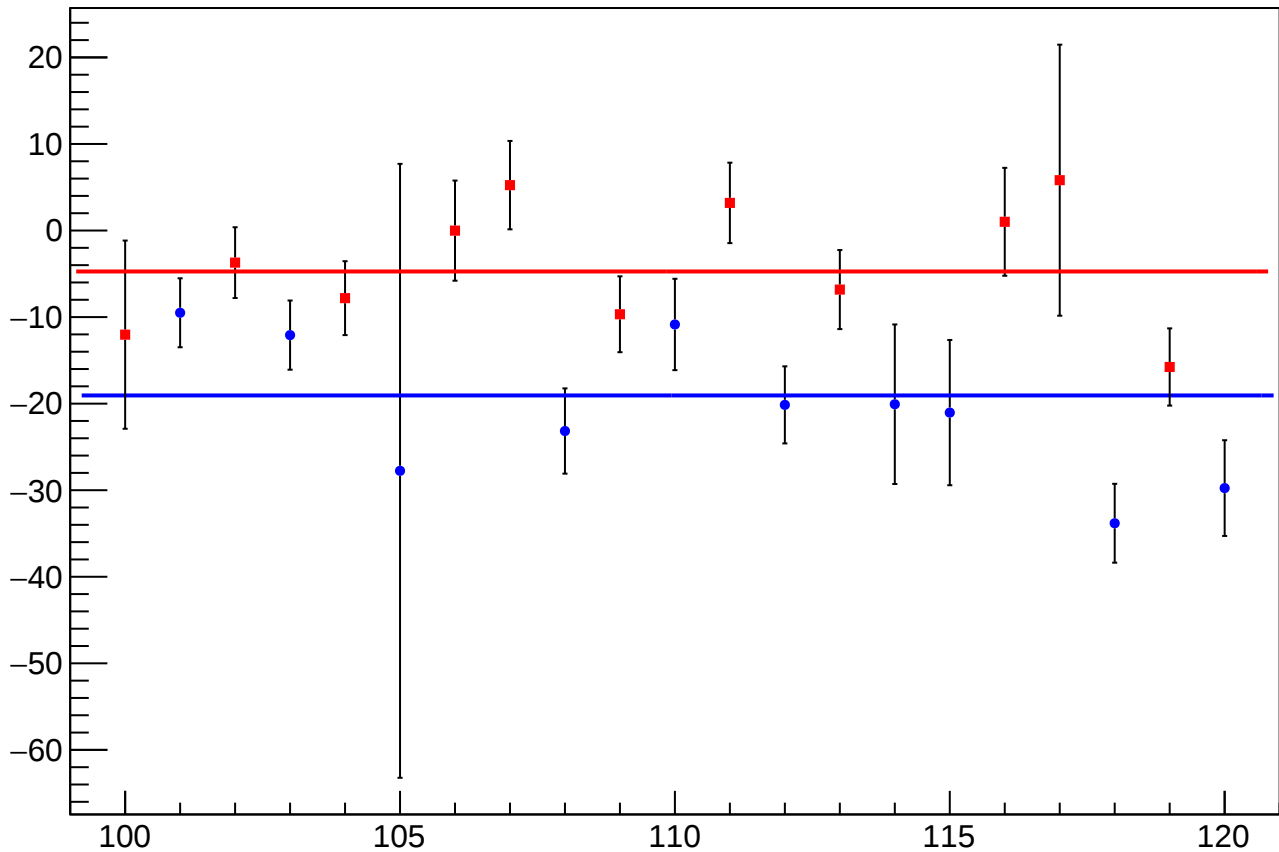
Right Out: 1784.723 $\pm$ 0.636  $\chi^2$ /NDF: 49829.2/10

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

1814.915 $\pm$ 0.693  $\chi^2$ /NDF: 53052.2/9

1784.723 $\pm$ 0.636  $\chi^2$ /NDF: 49829.2/10

# diff\_bpm0l01X\_mean vs slug



Right In: -19.053 $\pm$ 1.665  $\chi^2$ /NDF: 26.3/9

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

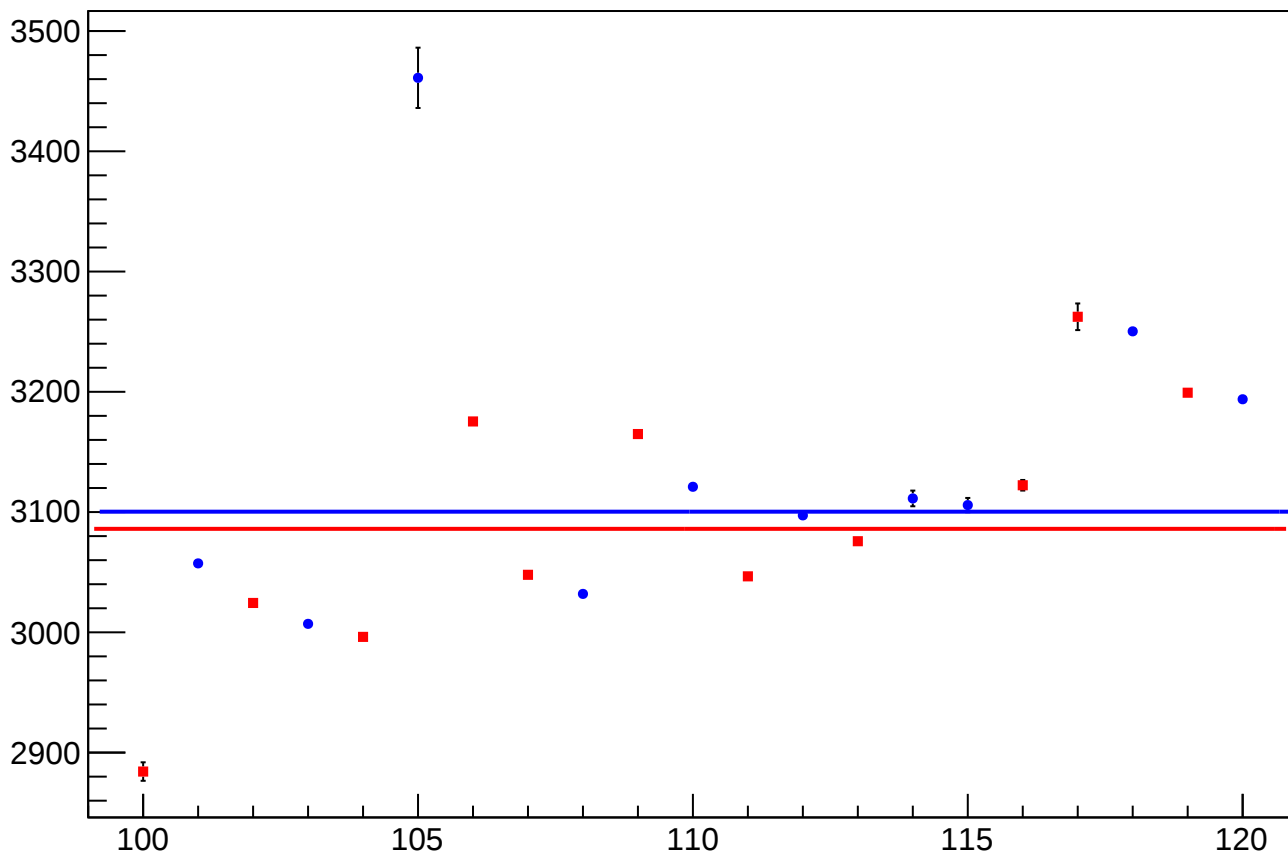
Right Out: -4.732 $\pm$ 1.547  $\chi^2$ /NDF: 17.3/10

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

-19.053 $\pm$ 1.665  $\chi^2$ /NDF: 26.3/9

-4.732 $\pm$ 1.547  $\chi^2$ /NDF: 17.3/10

# diff\_bpm0l01X\_rms vs slug



Right In: 3100.321+/-1.177  $\chi^2/\text{NDF}$ : 4689.2/9

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

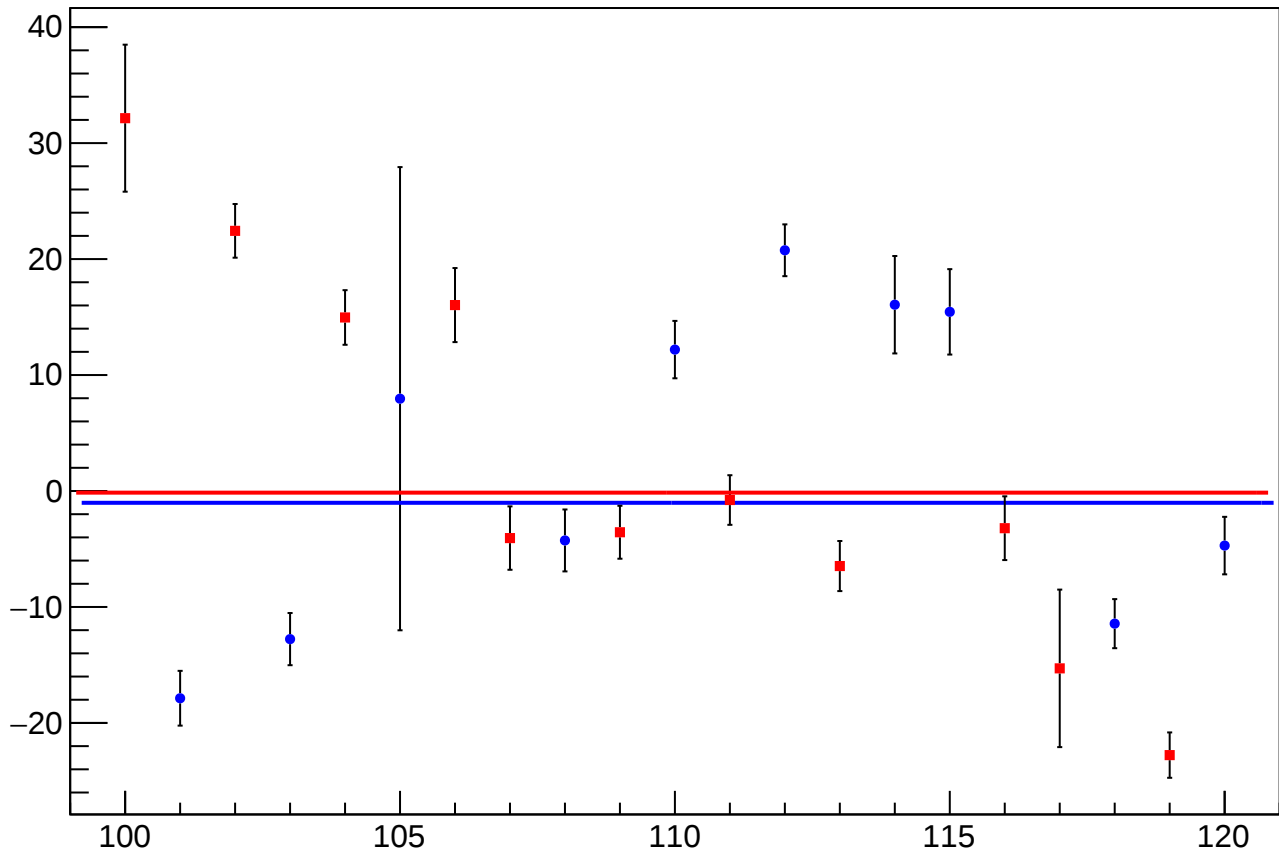
Right Out: 3086.052+/-1.094  $\chi^2/\text{NDF}$ : 5029.5/10

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

3100.321+/-1.177  $\chi^2/\text{NDF}$ : 4689.2/9

3086.052+/-1.094  $\chi^2/\text{NDF}$ : 5029.5/10

# diff\_bpm0l01Y\_mean vs slug



Right In: -1.017+/-0.845  $\chi^2$ /NDF: 266.4/9

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

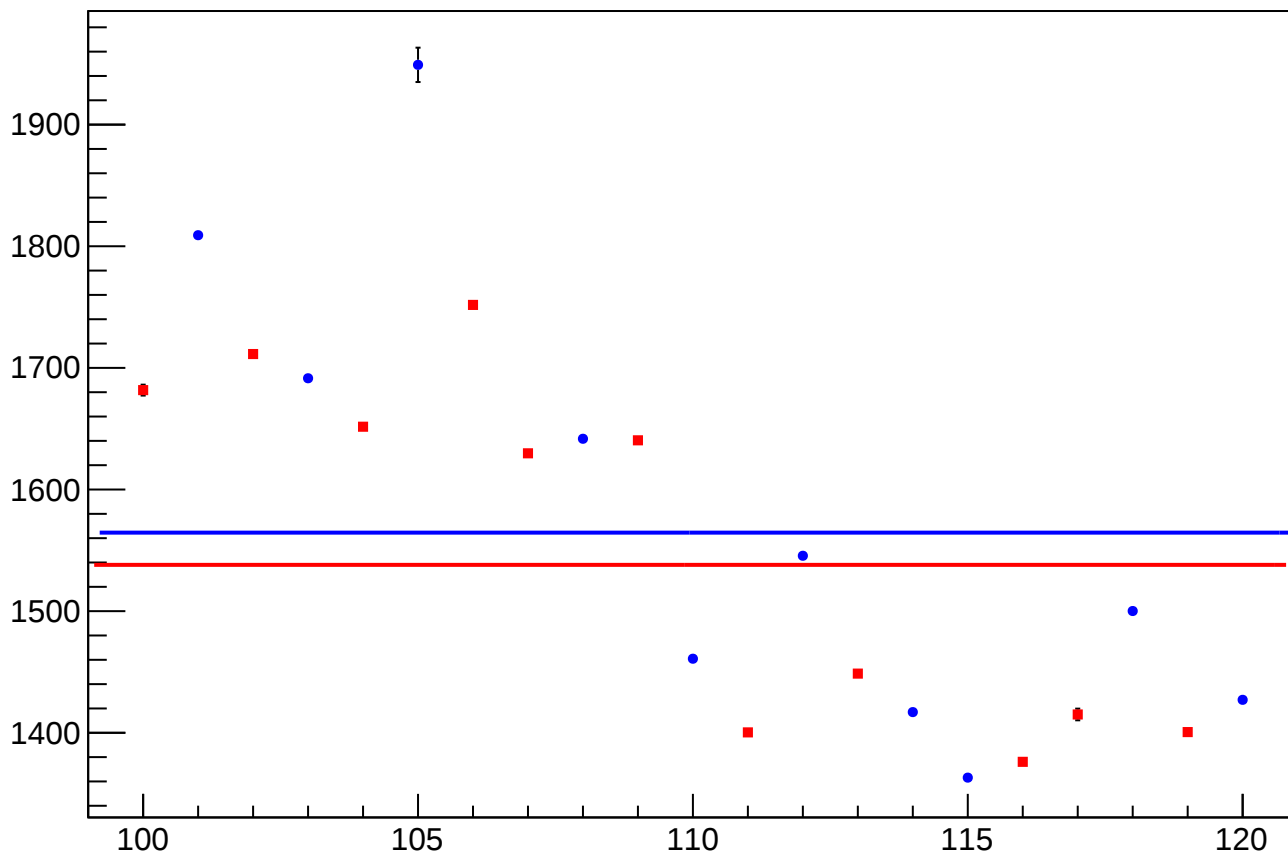
-1.017+/-0.845  $\chi^2$ /NDF: 266.4/9

Right Out: -0.141+/-0.775  $\chi^2$ /NDF: 341.0/10

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

-0.141+/-0.775  $\chi^2$ /NDF: 341.0/10

# diff\_bpm0l01Y\_rms vs slug



Right In: 1564.559+/-0.598  $\chi^2/\text{NDF}$ : 50323.0/9

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

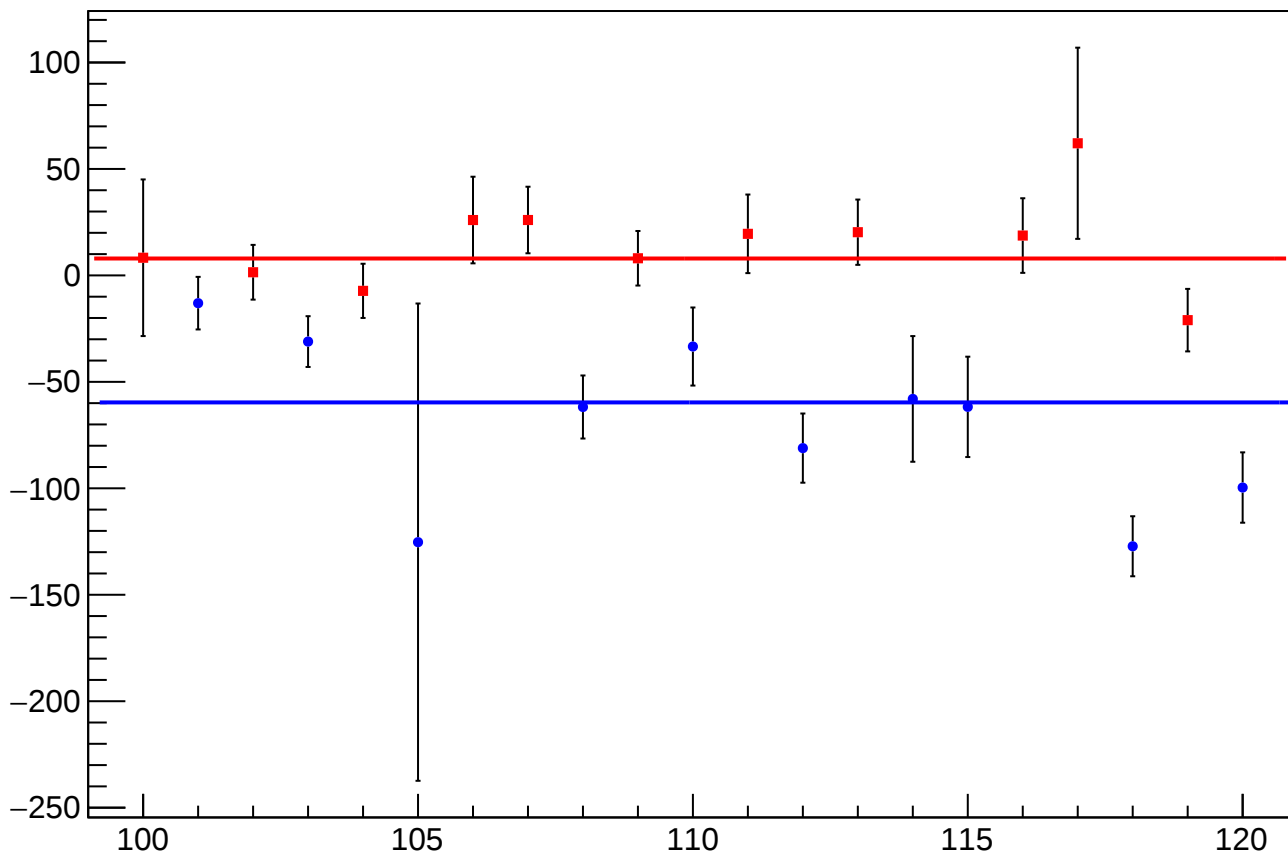
Right Out: 1538.060+/-0.548  $\chi^2/\text{NDF}$ : 61329.9/10

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

1564.559+/-0.598  $\chi^2/\text{NDF}$ : 50323.0/9

1538.060+/-0.548  $\chi^2/\text{NDF}$ : 61329.9/10

# diff\_bpm0l02X\_mean vs slug



Right In: -59.658+/-5.225  $\chi^2/\text{NDF}$ : 53.0/9

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

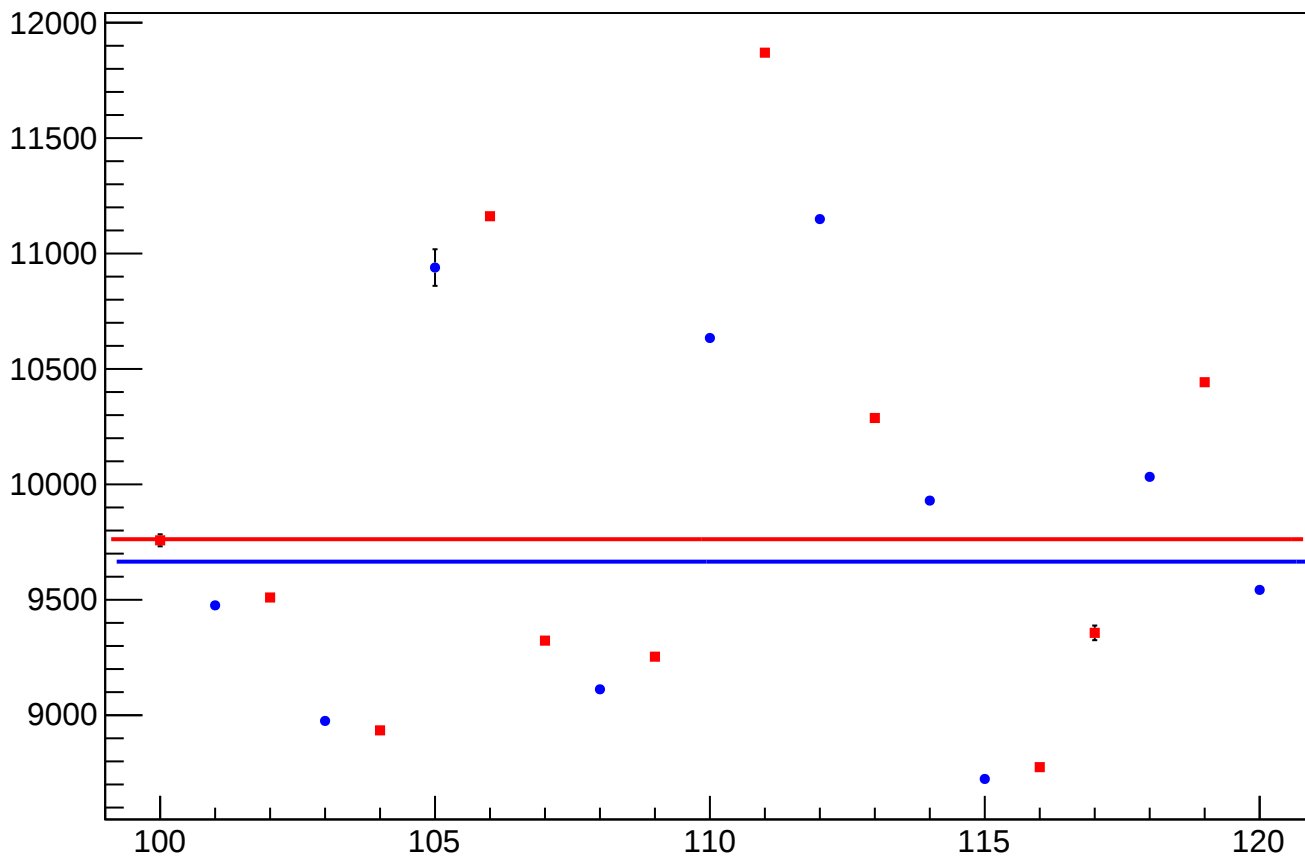
Right Out: 7.936+/-4.930  $\chi^2/\text{NDF}$ : 10.6/10

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

-59.658+/-5.225  $\chi^2/\text{NDF}$ : 53.0/9

7.936+/-4.930  $\chi^2/\text{NDF}$ : 10.6/10

# diff\_bpm0l02X\_rms vs slug



Right In: 9665.286 $\pm$ 3.694  $\chi^2$ /NDF: 37299.3/9

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

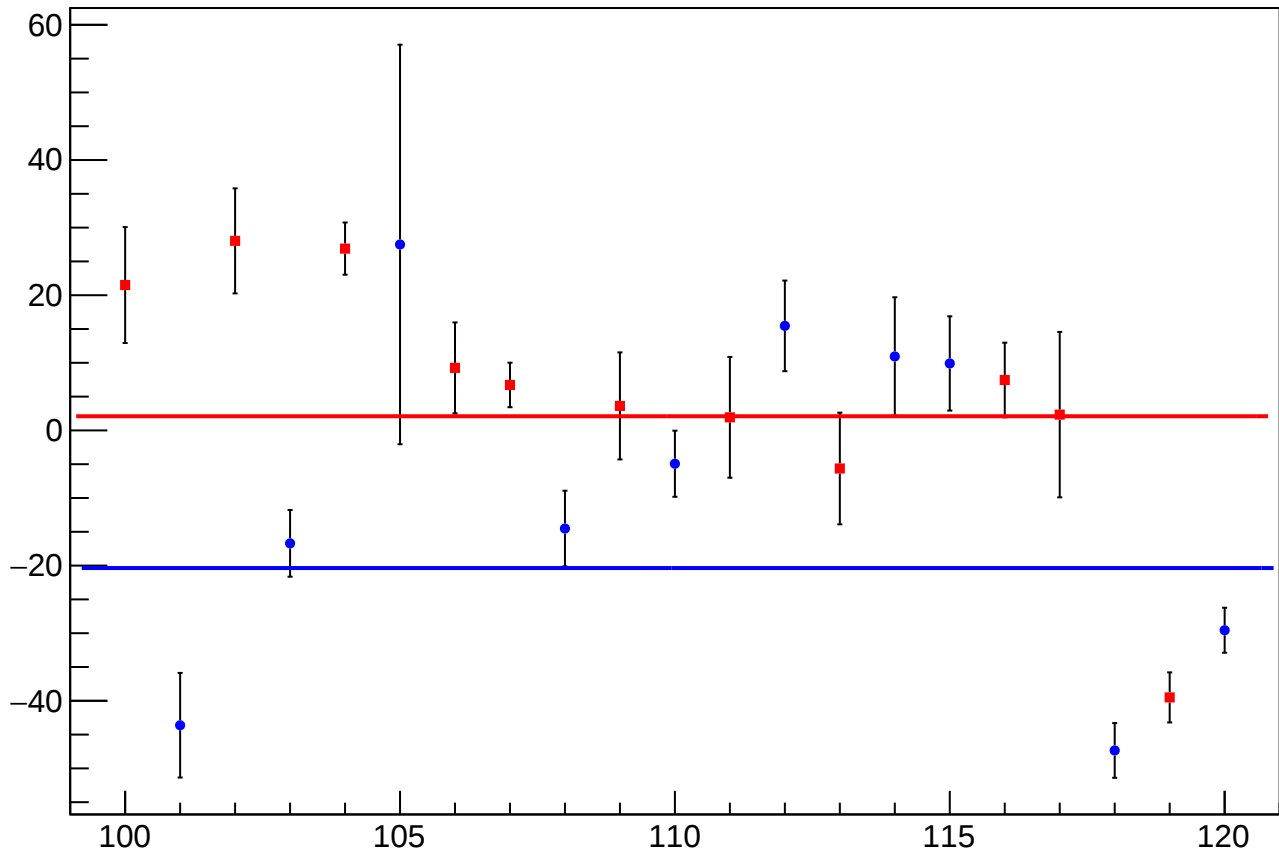
Right Out: 9762.466 $\pm$ 3.486  $\chi^2$ /NDF: 62669.0/10

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

9665.286 $\pm$ 3.694  $\chi^2$ /NDF: 37299.3/9

9762.466 $\pm$ 3.486  $\chi^2$ /NDF: 62669.0/10

# diff\_bpm0l02Y\_mean vs slug



Right In: -20.360 $\pm$ 1.716  $\chi^2$ /NDF: 135.5/9

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

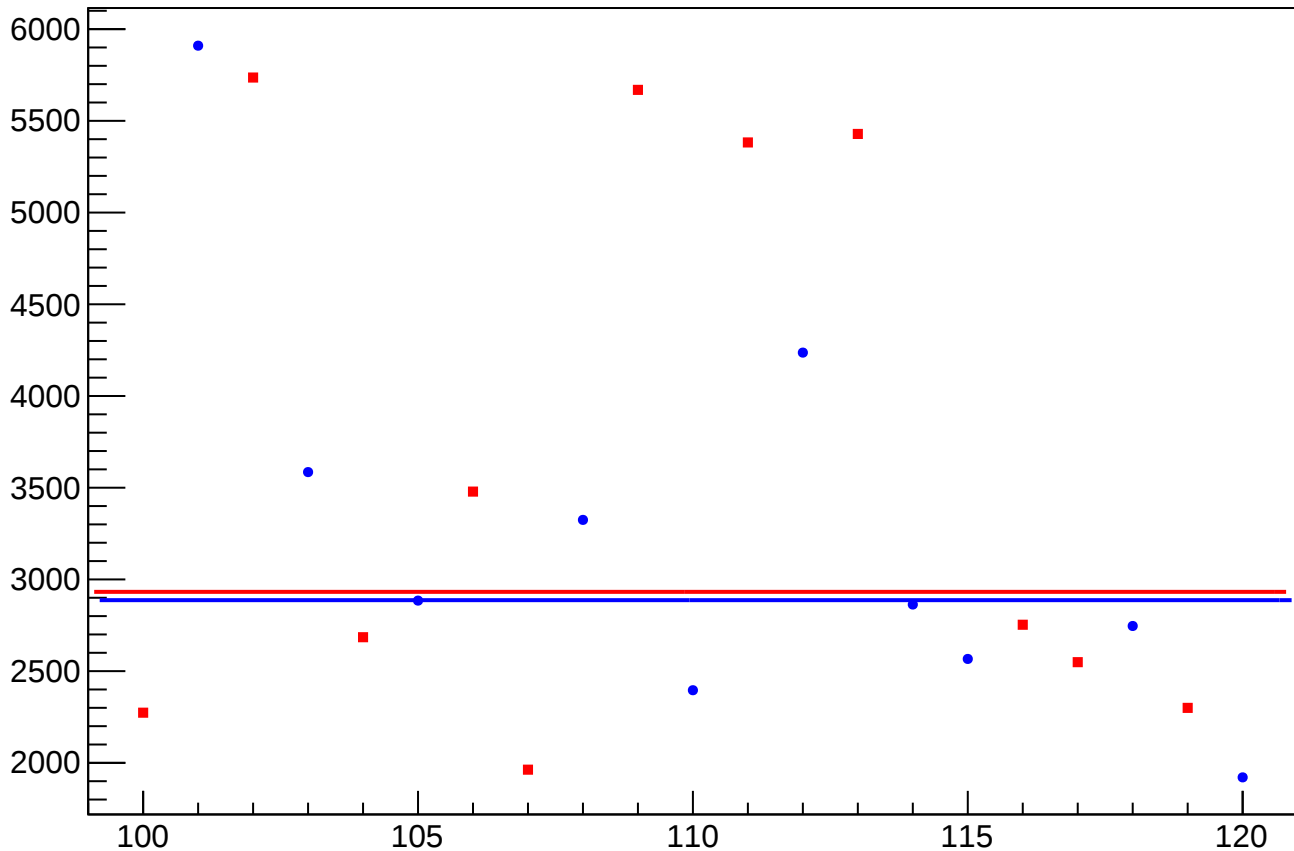
Right Out: 2.096 $\pm$ 1.650  $\chi^2$ /NDF: 188.5/10

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

-20.360 $\pm$ 1.716  $\chi^2$ /NDF: 135.5/9

2.096 $\pm$ 1.650  $\chi^2$ /NDF: 188.5/10

diff\_bpm0l02Y\_rms vs slug



Right In: 2886.964+/-1.213  $\chi^2/\text{NDF}$ : 633463.8/9

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

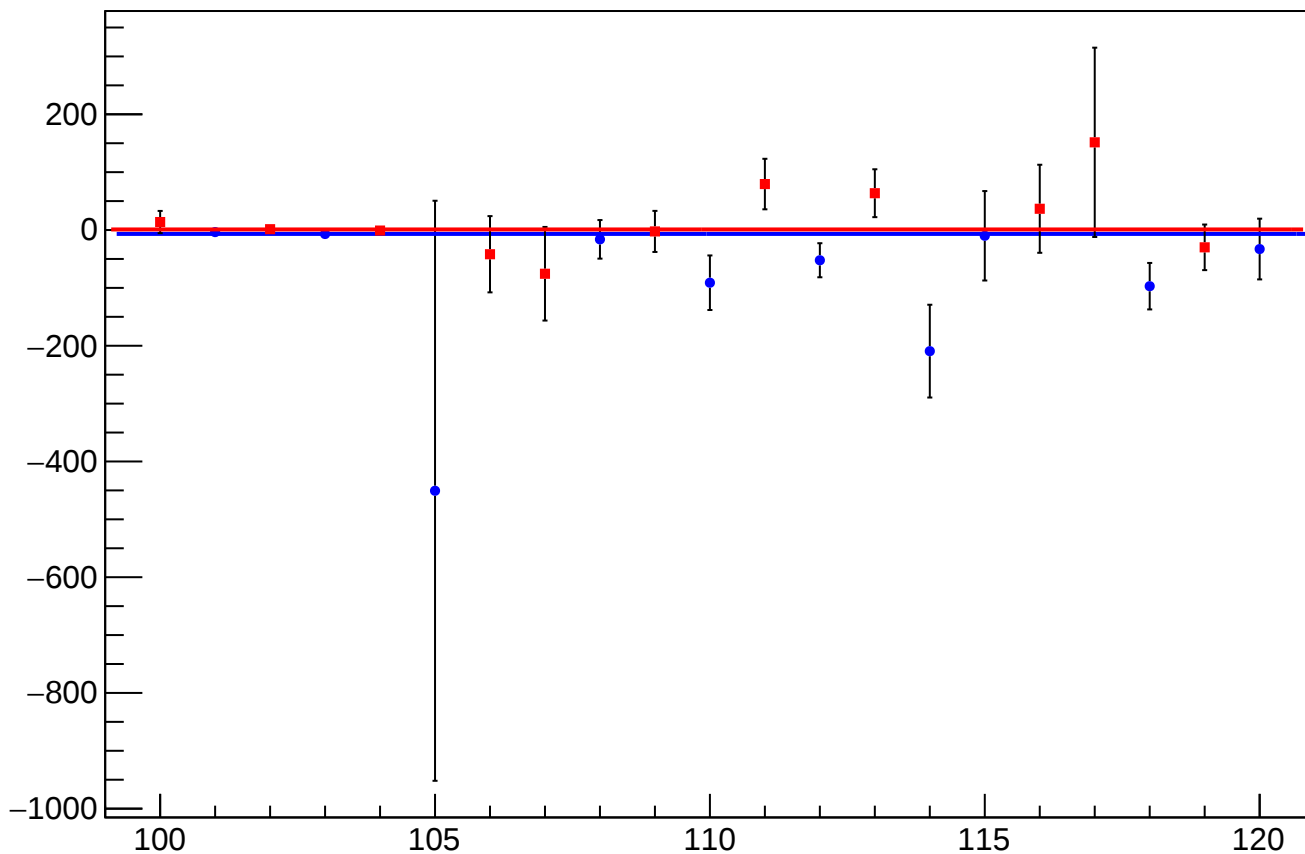
2886.964+/-1.213  $\chi^2/\text{NDF}$ : 633463.8/9

Right Out: 2932.274+/-1.167  $\chi^2/\text{NDF}$ : 1101545.7/10

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

2932.274+/-1.167  $\chi^2/\text{NDF}$ : 1101545.7/10

# diff\_bpm0l03X\_mean vs slug



Right In: -6.722+/-2.678  $\chi^2$ /NDF: 18.8/9

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

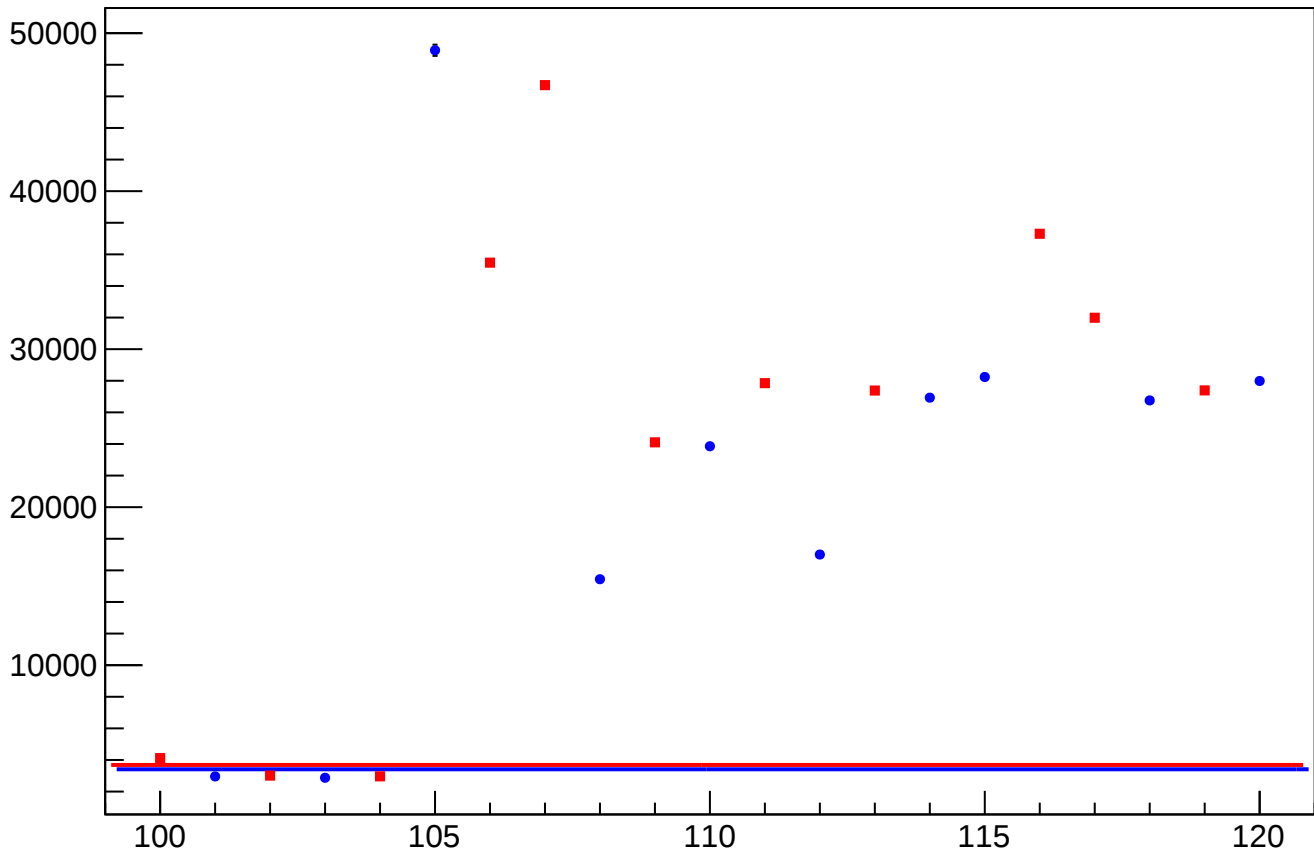
Right Out: 0.992+/-2.880  $\chi^2$ /NDF: 9.2/10

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

-6.722+/-2.678  $\chi^2$ /NDF: 18.8/9

0.992+/-2.880  $\chi^2$ /NDF: 9.2/10

# diff\_bpm0l03X\_rms vs slug



Right In: 3410.414+/-1.893  $\chi^2/\text{NDF}$ : 2639161.8/9

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

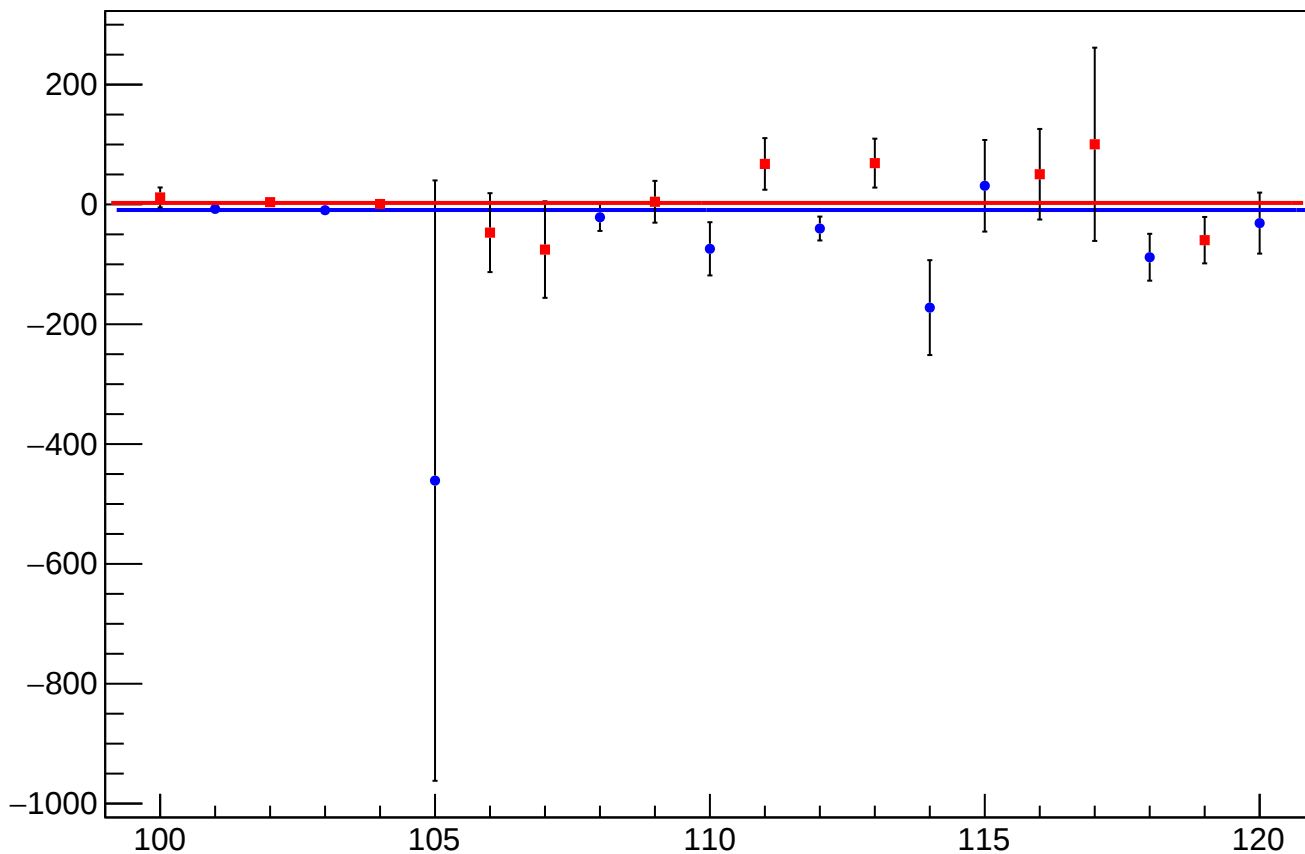
3410.414+/-1.893  $\chi^2/\text{NDF}$ : 2639161.8/9

Right Out: 3685.079+/-2.036  $\chi^2/\text{NDF}$ : 4249048.8/10

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

3685.079+/-2.036  $\chi^2/\text{NDF}$ : 4249048.8/10

# diff\_bpm0l03Y\_mean vs slug



Right In: -9.320+/-1.837  $\chi^2$ /NDF: 14.9/9

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

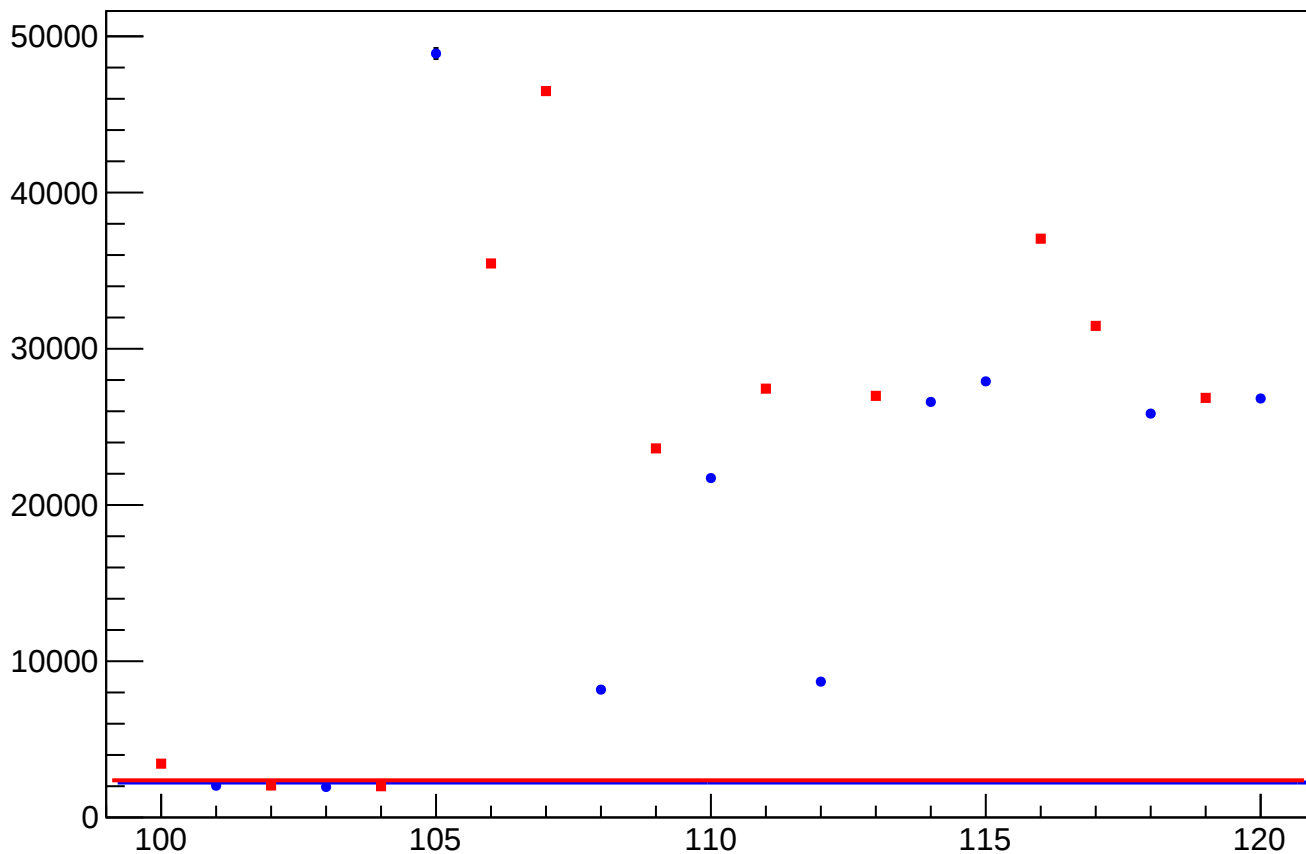
Right Out: 2.479+/-1.986  $\chi^2$ /NDF: 10.7/10

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

-9.320+/-1.837  $\chi^2$ /NDF: 14.9/9

2.479+/-1.986  $\chi^2$ /NDF: 10.7/10

# diff\_bpm0l03Y\_rms vs slug



Right In: 2235.069+/-1.299  $\chi^2/\text{NDF}$ : 2394582.7/9

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

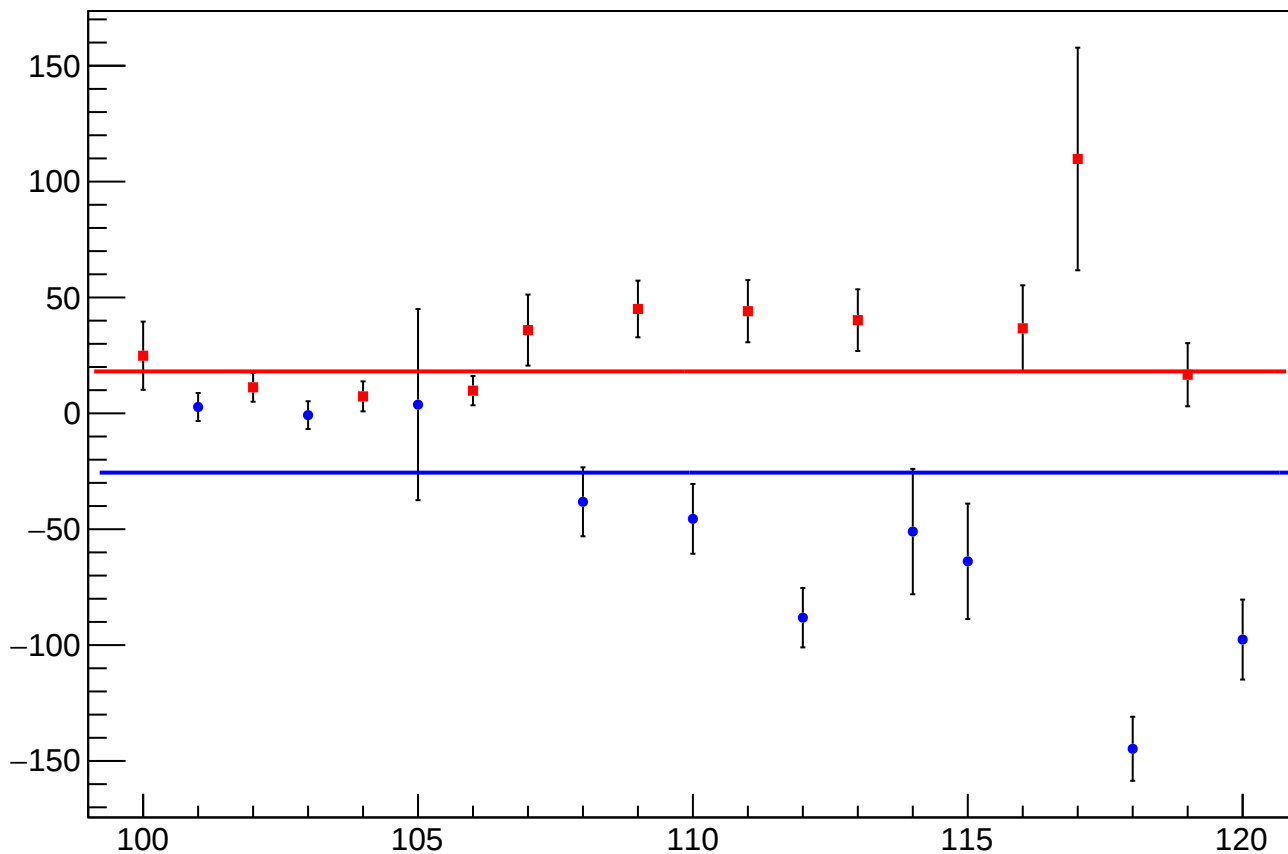
Right Out: 2377.727+/-1.404  $\chi^2/\text{NDF}$ : 4605767.6/10

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

2235.069+/-1.299  $\chi^2/\text{NDF}$ : 2394582.7/9

2377.727+/-1.404  $\chi^2/\text{NDF}$ : 4605767.6/10

# diff\_bpm0l04X\_mean vs slug



Right In: -25.580+/-3.479  $\chi^2/\text{NDF}$ : 161.2/9

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

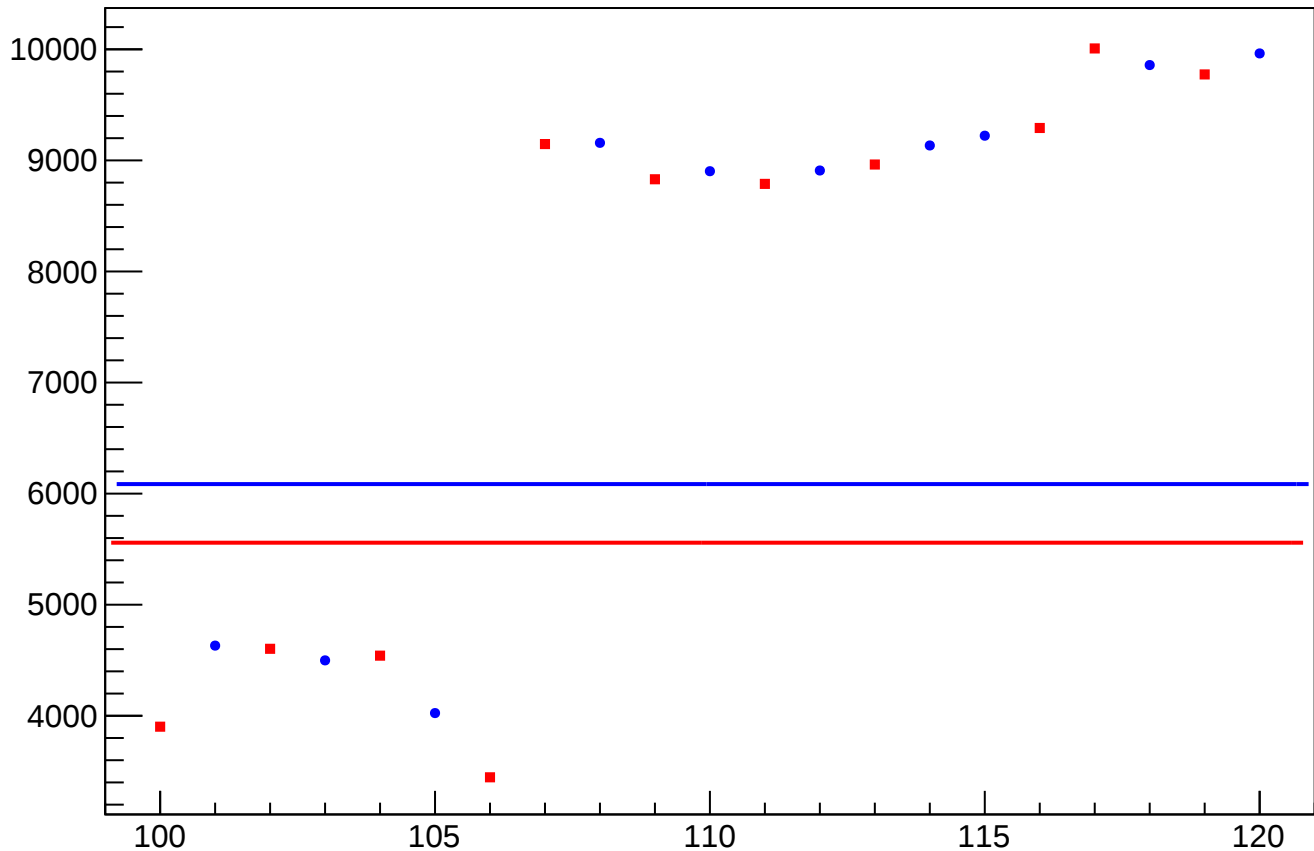
Right Out: 18.090+/-3.009  $\chi^2/\text{NDF}$ : 23.3/10

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

-25.580+/-3.479  $\chi^2/\text{NDF}$ : 161.2/9

18.090+/-3.009  $\chi^2/\text{NDF}$ : 23.3/10

# diff\_bpm0l04X\_rms vs slug



Right In: 6085.870+/-2.460  $\chi^2/\text{NDF}$ : 821695.4/9

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

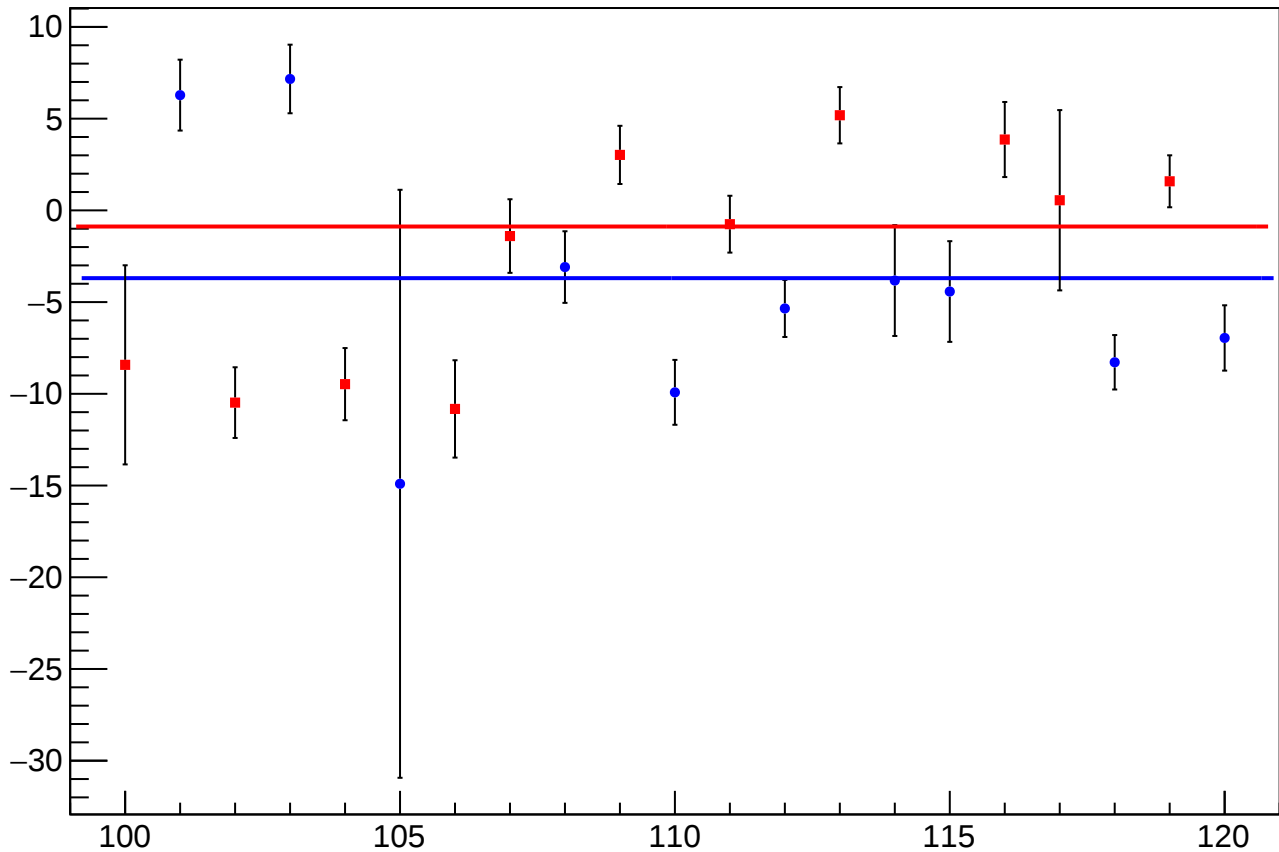
6085.870+/-2.460  $\chi^2/\text{NDF}$ : 821695.4/9

Right Out: 5558.243+/-2.128  $\chi^2/\text{NDF}$ : 1136237.7/10

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

5558.243+/-2.128  $\chi^2/\text{NDF}$ : 1136237.7/10

# diff\_bpm0l04Y\_mean vs slug



Right In: -3.695+/-0.624  $\chi^2$ /NDF: 87.5/9

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

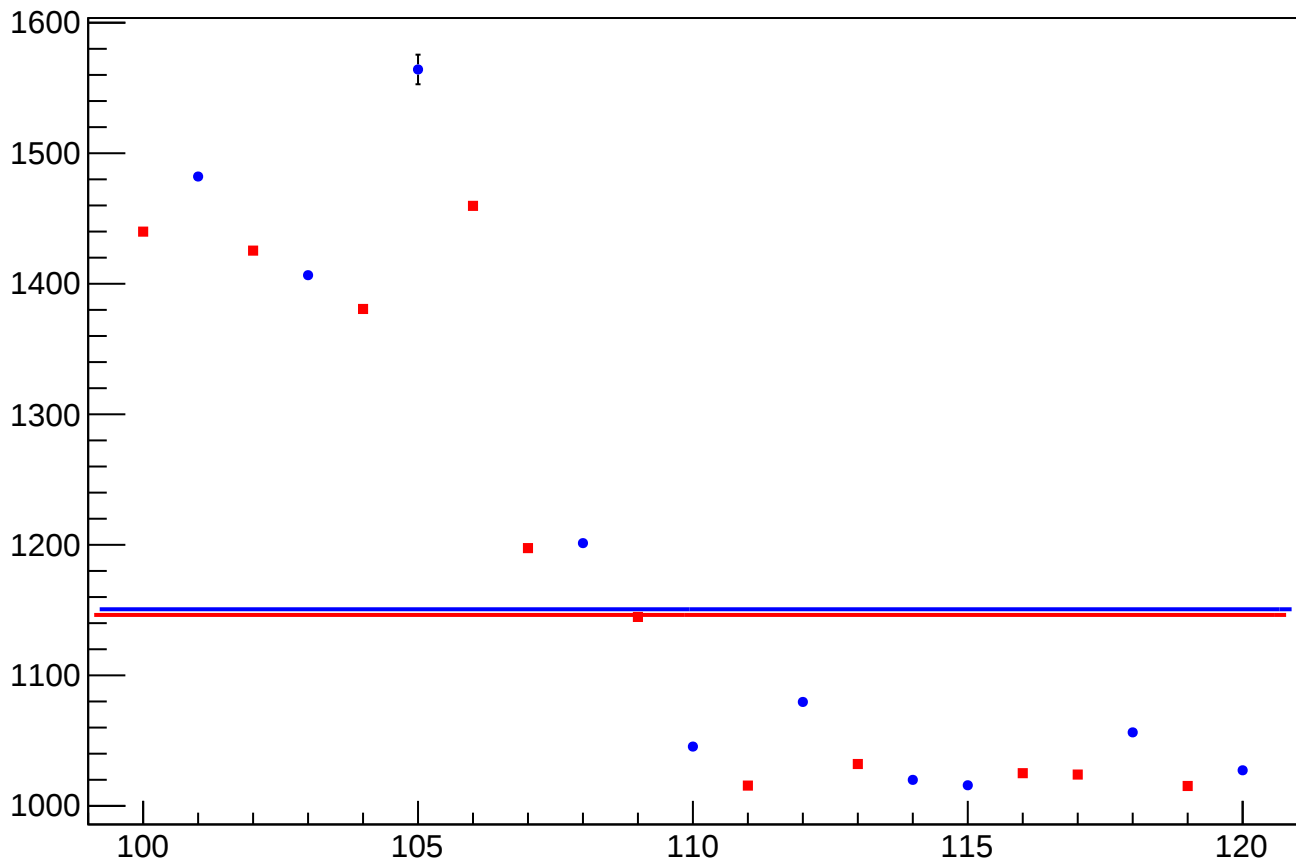
Right Out: -0.880+/-0.580  $\chi^2$ /NDF: 90.1/10

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

-3.695+/-0.624  $\chi^2$ /NDF: 87.5/9

-0.880+/-0.580  $\chi^2$ /NDF: 90.1/10

diff\_bpm0l04Y\_rms vs slug



Right In: 1150.641 $\pm$ 0.442  $\chi^2$ /NDF: 136520.7/9

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

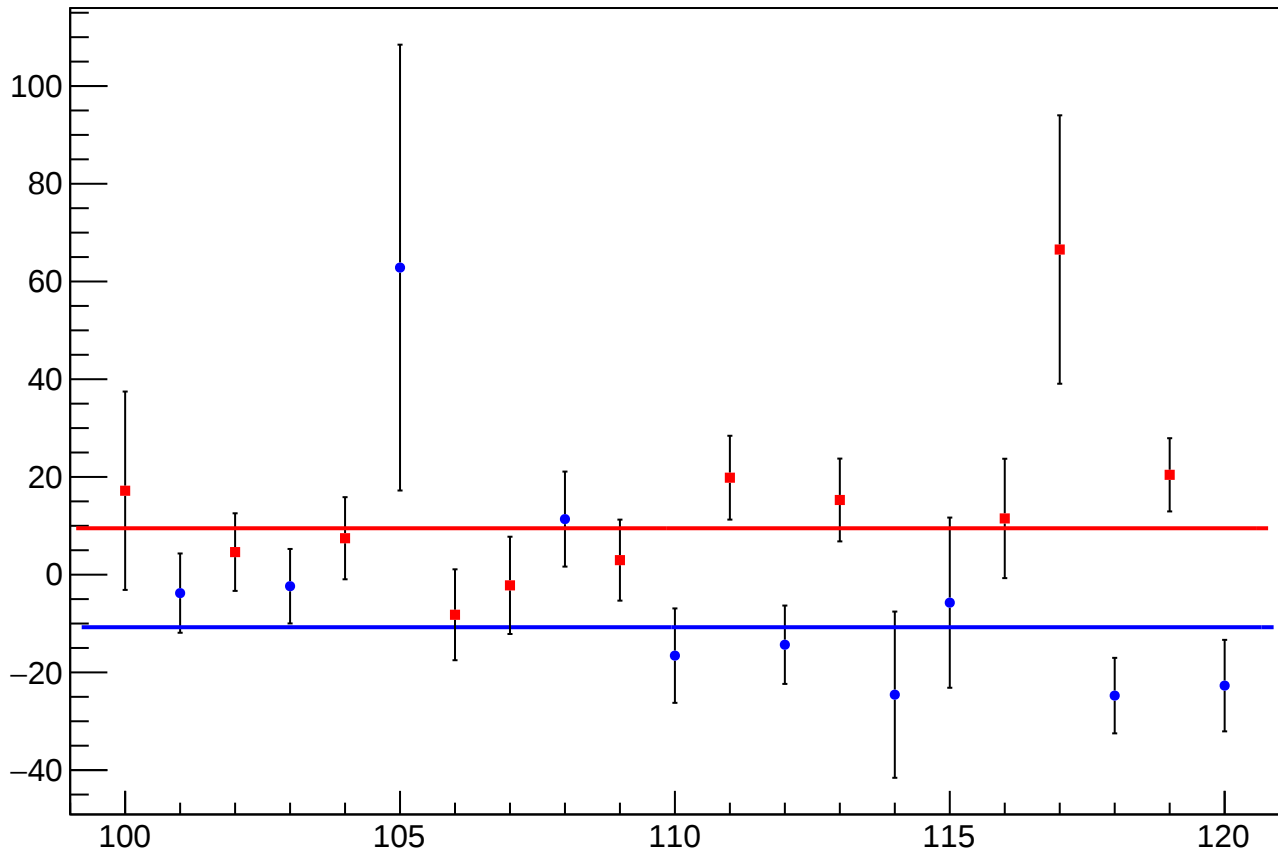
Right Out: 1146.296 $\pm$ 0.410  $\chi^2$ /NDF: 156090.0/10

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

1150.641 $\pm$ 0.442  $\chi^2$ /NDF: 136520.7/9

1146.296 $\pm$ 0.410  $\chi^2$ /NDF: 156090.0/10

# diff\_bpm0l05X\_mean vs slug



Right In: -10.753+/-3.091  $\chi^2/\text{NDF}$ : 16.0/9

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

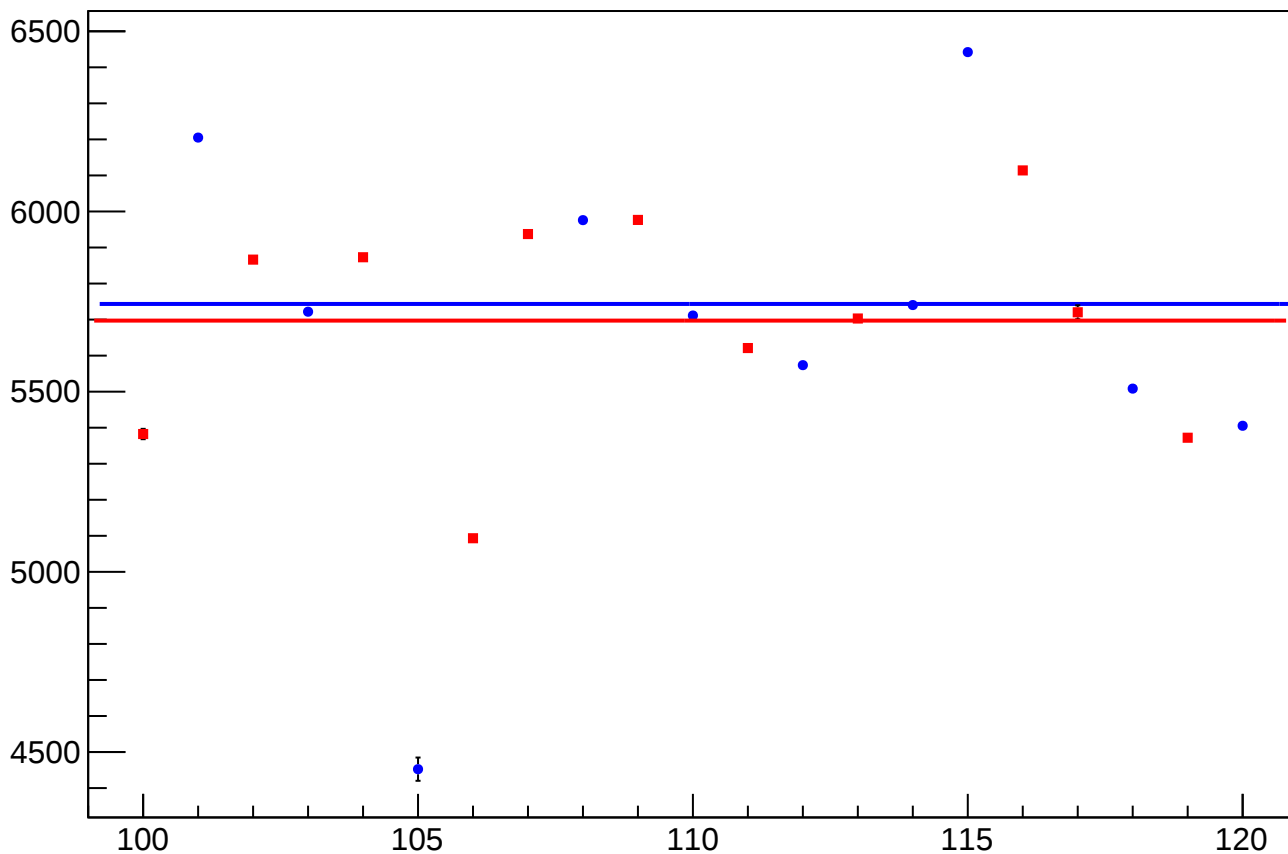
Right Out: 9.499+/-2.863  $\chi^2/\text{NDF}$ : 14.6/10

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

-10.753+/-3.091  $\chi^2/\text{NDF}$ : 16.0/9

9.499+/-2.863  $\chi^2/\text{NDF}$ : 14.6/10

# diff\_bpm0l05X\_rms vs slug



Right In: 5743.386 $\pm$ 2.186  $\chi^2$ /NDF: 17833.3/9

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

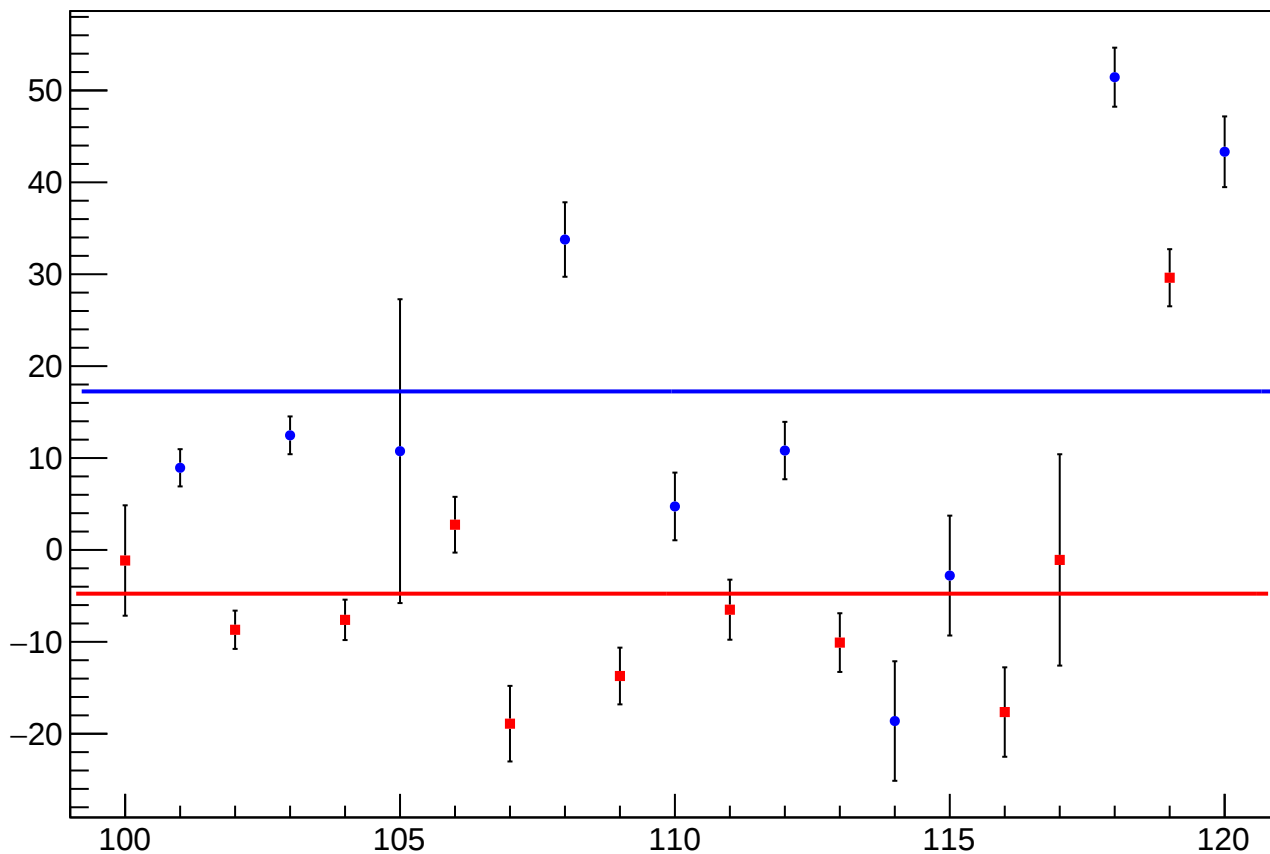
Right Out: 5697.195 $\pm$ 2.024  $\chi^2$ /NDF: 20382.2/10

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

5743.386 $\pm$ 2.186  $\chi^2$ /NDF: 17833.3/9

5697.195 $\pm$ 2.024  $\chi^2$ /NDF: 20382.2/10

# diff\_bpm0l05Y\_mean vs slug



Right In: 17.249+/-1.035  $\chi^2/\text{NDF}$ : 253.9/9

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

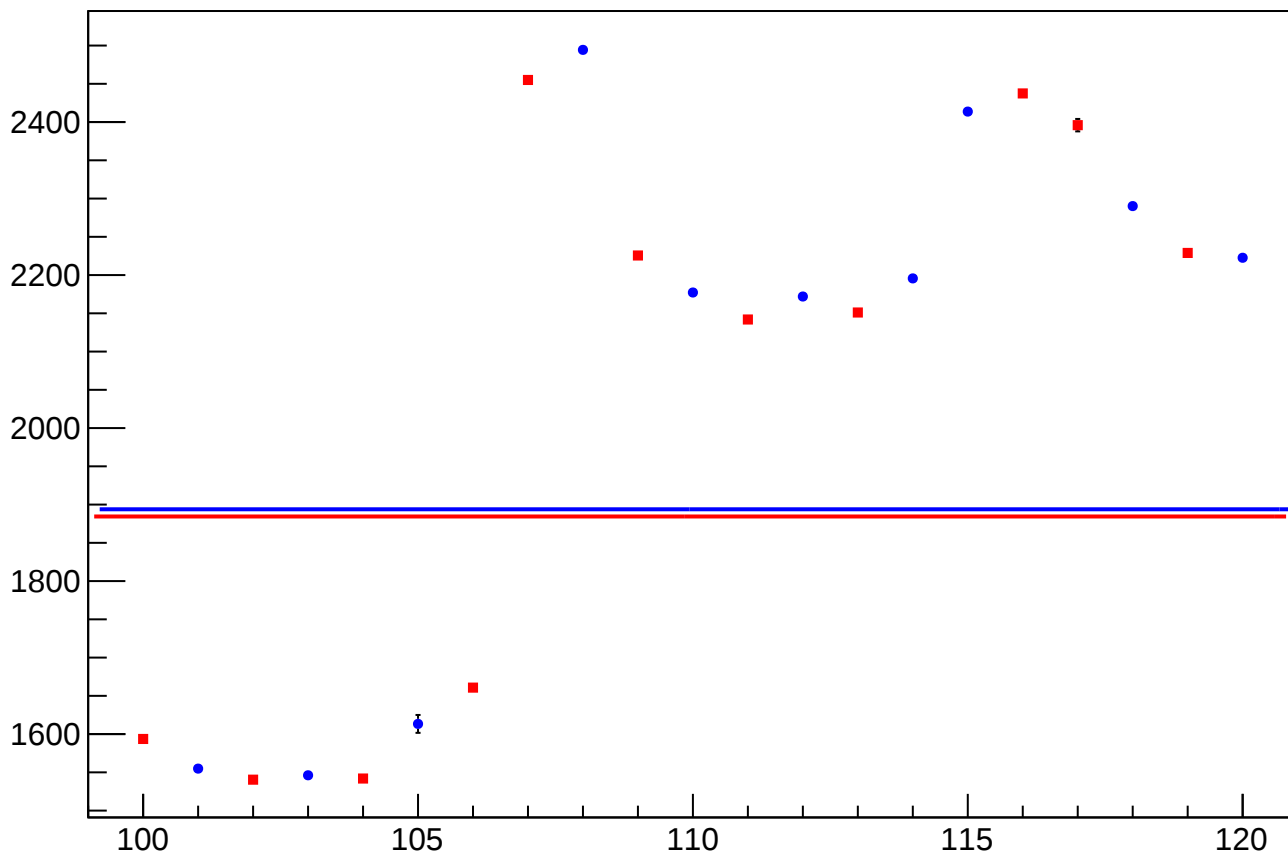
Right Out: -4.758+/-0.961  $\chi^2/\text{NDF}$ : 164.5/10

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

17.249+/-1.035  $\chi^2/\text{NDF}$ : 253.9/9

-4.758+/-0.961  $\chi^2/\text{NDF}$ : 164.5/10

diff\_bpm0l05Y\_rms vs slug



Right In: 1893.857+/-0.732  $\chi^2/\text{NDF}$ : 247499.8/9

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

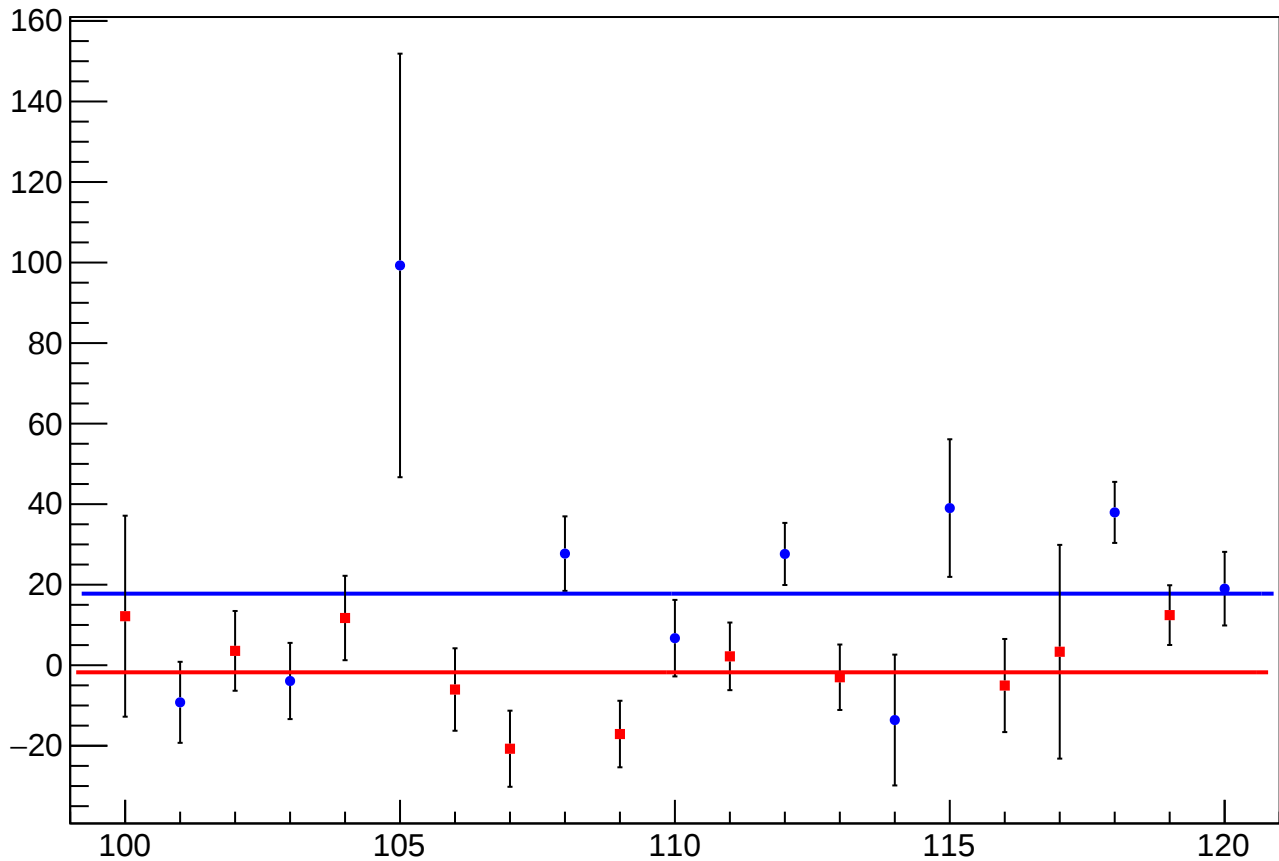
Right Out: 1884.442+/-0.679  $\chi^2/\text{NDF}$ : 262404.9/10

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

1893.857+/-0.732  $\chi^2/\text{NDF}$ : 247499.8/9

1884.442+/-0.679  $\chi^2/\text{NDF}$ : 262404.9/10

# diff\_bpm0l06X\_mean vs slug



Right In: 17.774+/-3.201  $\chi^2$ /NDF: 31.4/9

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

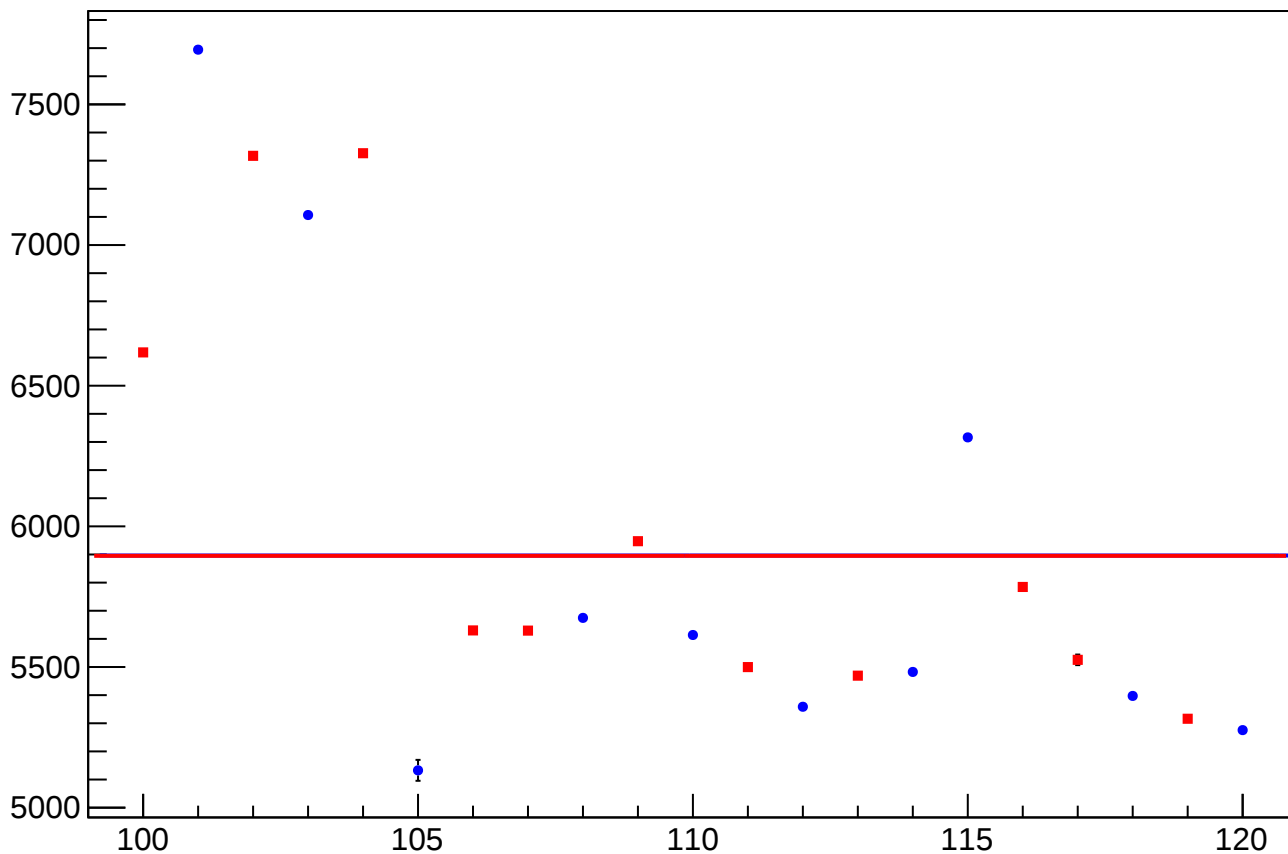
Right Out: -1.758+/-2.979  $\chi^2$ /NDF: 13.9/10

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

17.774+/-3.201  $\chi^2$ /NDF: 31.4/9

-1.758+/-2.979  $\chi^2$ /NDF: 13.9/10

# diff\_bpm0l06X\_rms vs slug



Right In: 5896.340+/-2.264  $\chi^2/\text{NDF}$ : 130078.3/9

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

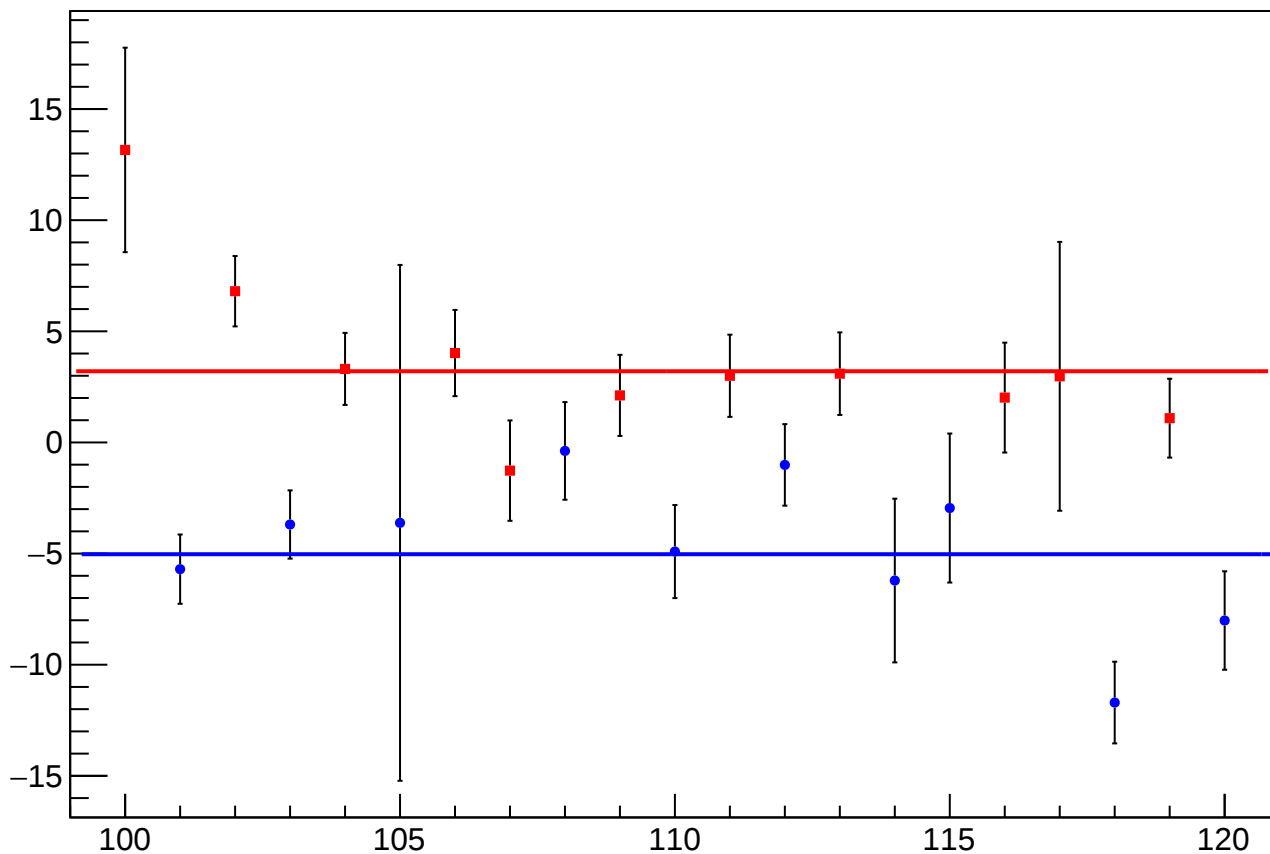
Right Out: 5895.248+/-2.106  $\chi^2/\text{NDF}$ : 105890.8/10

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

5896.340+/-2.264  $\chi^2/\text{NDF}$ : 130078.3/9

5895.248+/-2.106  $\chi^2/\text{NDF}$ : 105890.8/10

# diff\_bpm0l06Y\_mean vs slug



Right In: -5.029+/-0.668  $\chi^2/\text{NDF}$ : 25.7/9

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

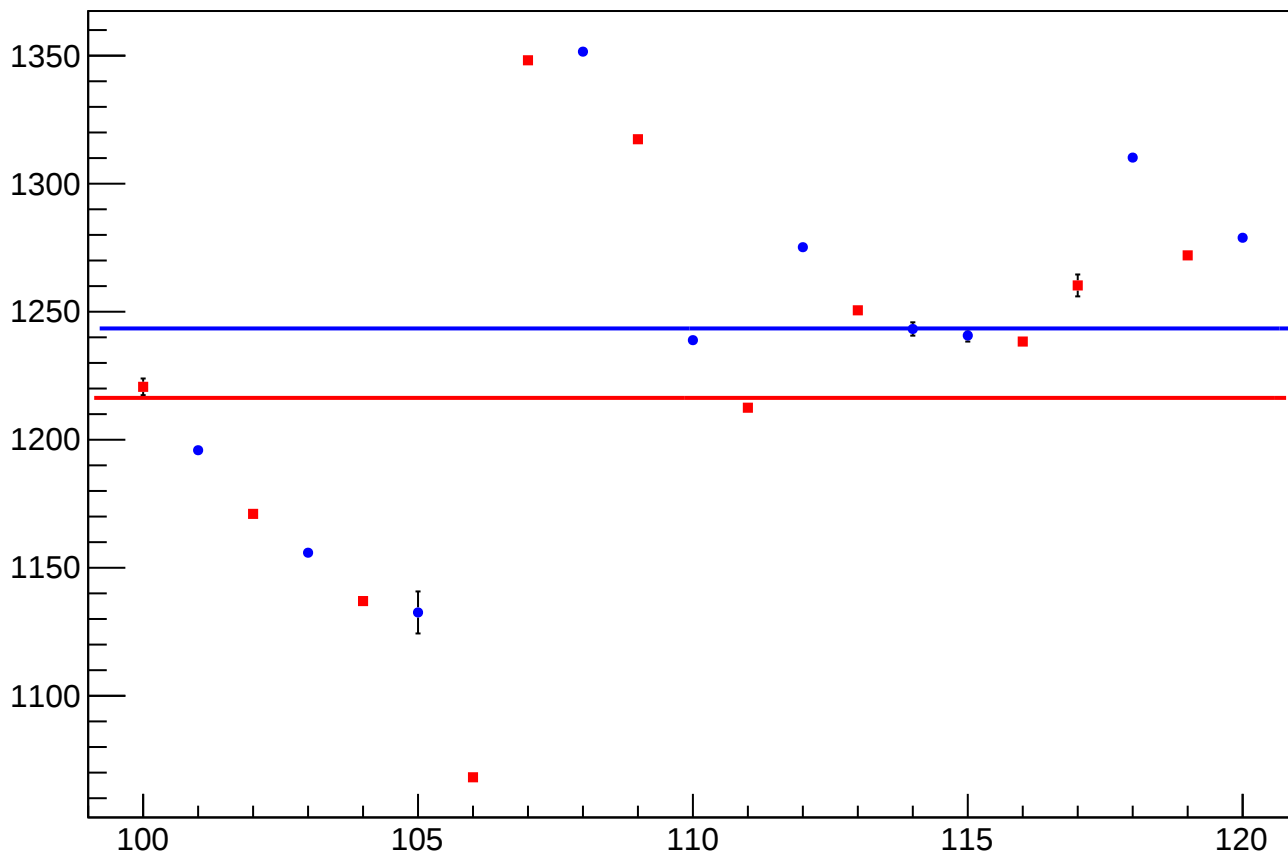
Right Out: 3.203+/-0.611  $\chi^2/\text{NDF}$ : 16.0/10

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

-5.029+/-0.668  $\chi^2/\text{NDF}$ : 25.7/9

3.203+/-0.611  $\chi^2/\text{NDF}$ : 16.0/10

# diff\_bpm0l06Y\_rms vs slug



Right In: 1243.466 $\pm$ 0.473  $\chi^2$ /NDF: 17153.0/9

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

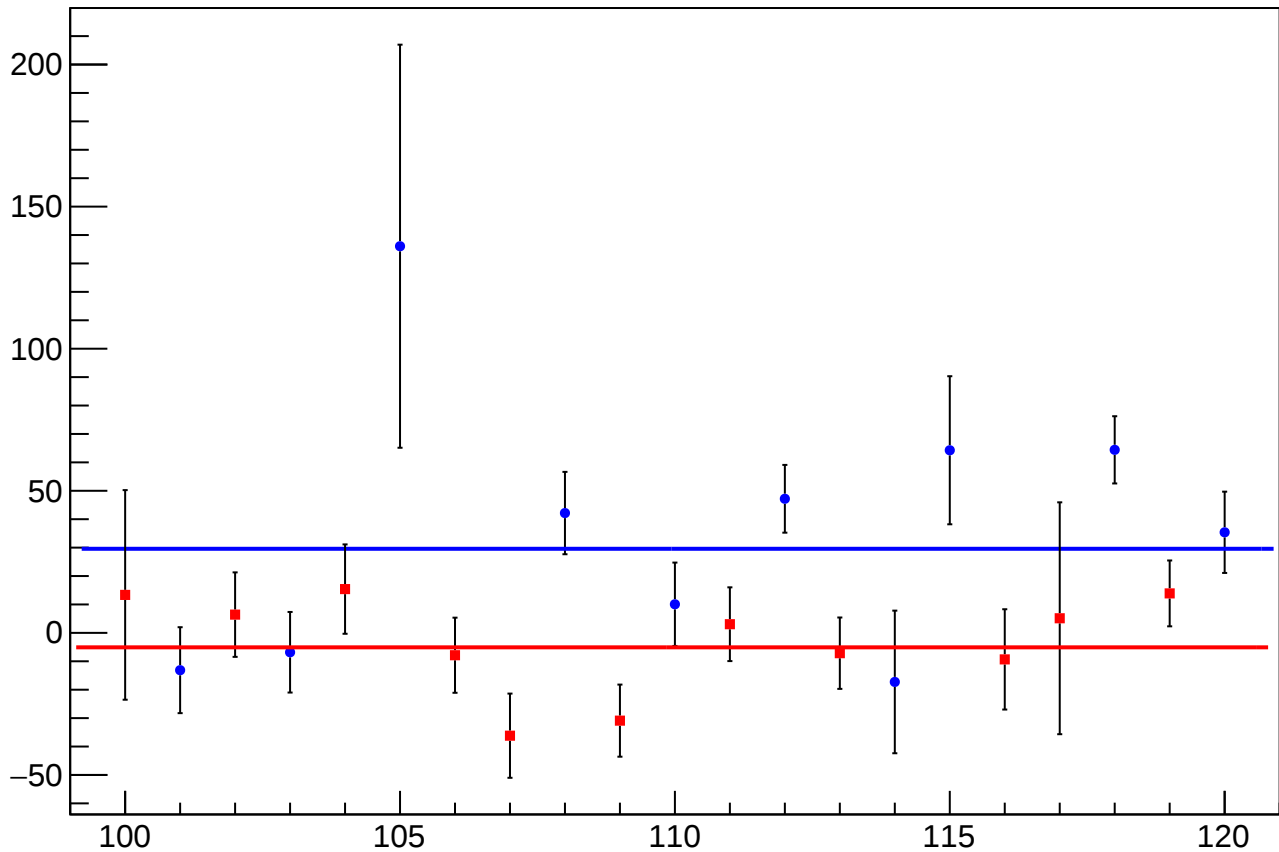
Right Out: 1216.346 $\pm$ 0.432  $\chi^2$ /NDF: 33969.5/10

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

1243.466 $\pm$ 0.473  $\chi^2$ /NDF: 17153.0/9

1216.346 $\pm$ 0.432  $\chi^2$ /NDF: 33969.5/10

# diff\_bpm0l07X\_mean vs slug



Right In: 29.591+/-4.933  $\chi^2$ /NDF: 35.6/9

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

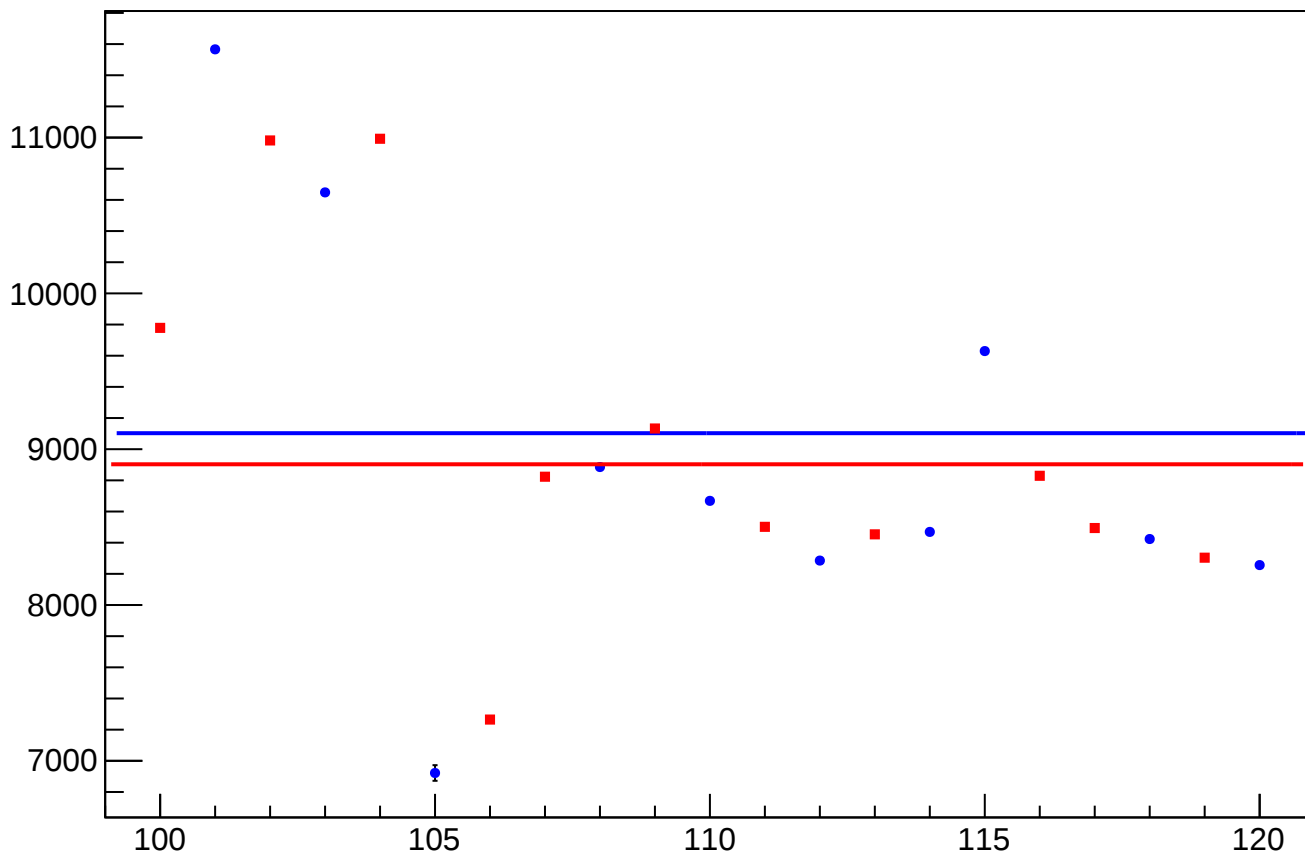
Right Out: -5.091+/-4.502  $\chi^2$ /NDF: 14.4/10

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

29.591+/-4.933  $\chi^2$ /NDF: 35.6/9

-5.091+/-4.502  $\chi^2$ /NDF: 14.4/10

# diff\_bpm0l07X\_rms vs slug



Right In: 9102.764+/-3.488  $\chi^2/\text{NDF}$ : 106034.3/9

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

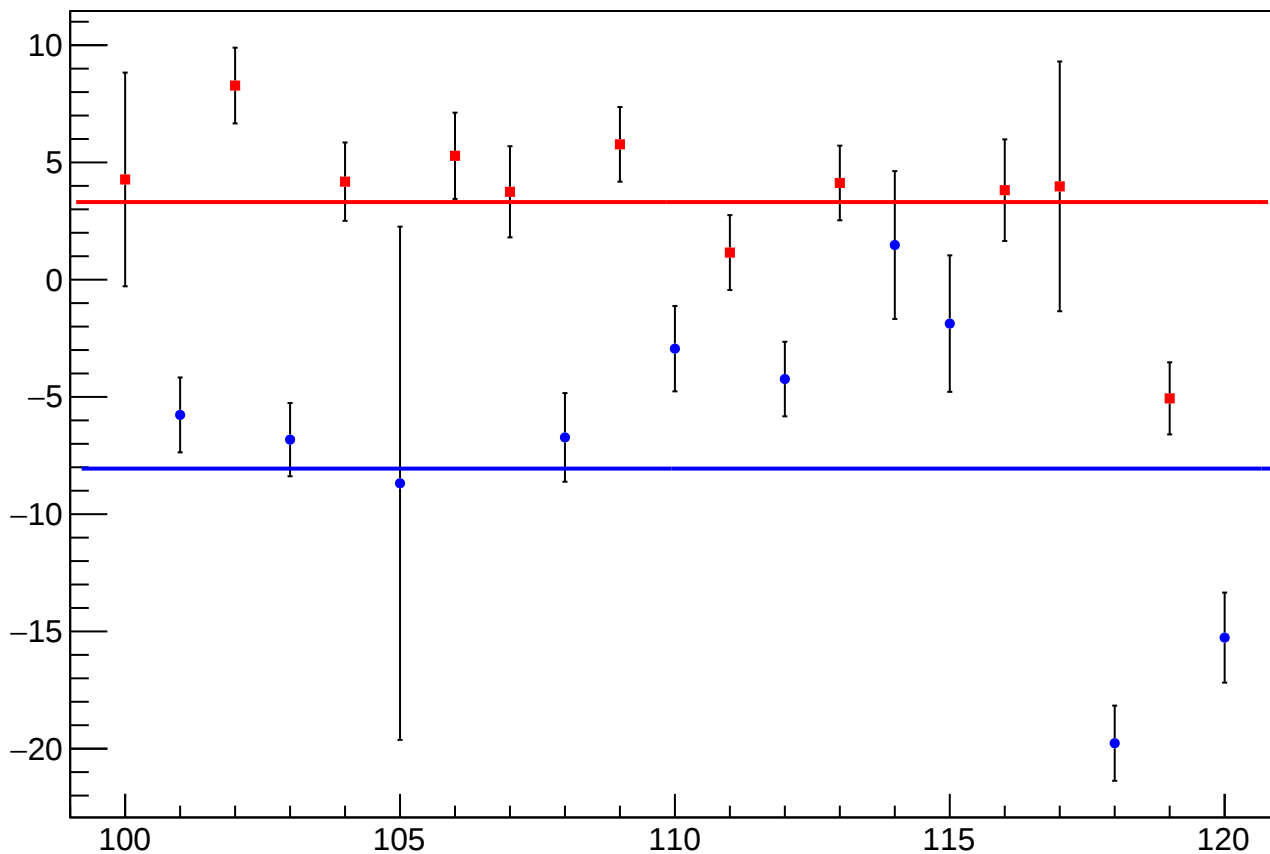
Right Out: 8903.188+/-3.184  $\chi^2/\text{NDF}$ : 117038.5/10

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

9102.764+/-3.488  $\chi^2/\text{NDF}$ : 106034.3/9

8903.188+/-3.184  $\chi^2/\text{NDF}$ : 117038.5/10

# diff\_bpm0l07Y\_mean vs slug



Right In: -8.056+/-0.612  $\chi^2$ /NDF: 98.0/9

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

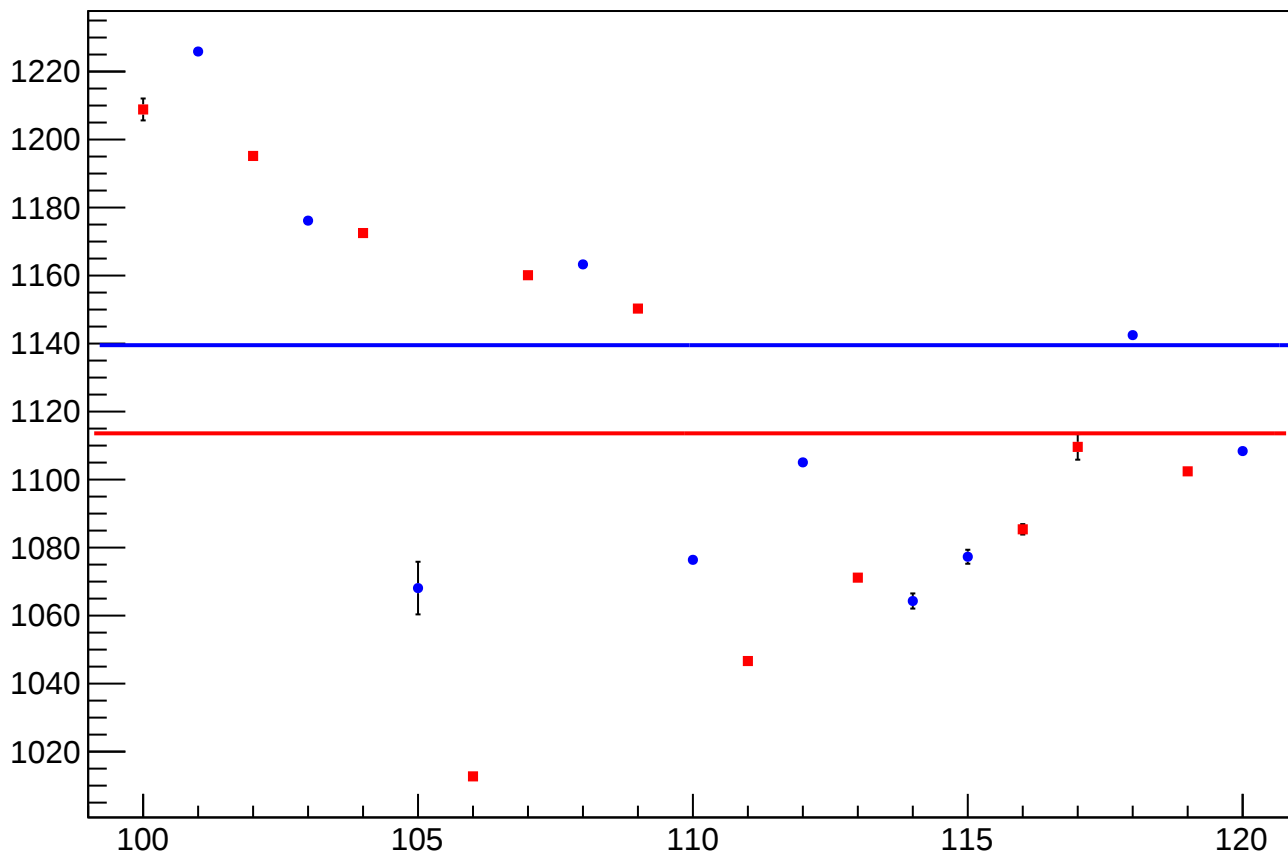
Right Out: 3.309+/-0.559  $\chi^2$ /NDF: 45.2/10

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

-8.056+/-0.612  $\chi^2$ /NDF: 98.0/9

3.309+/-0.559  $\chi^2$ /NDF: 45.2/10

# diff\_bpm0l07Y\_rms vs slug



Right In: 1139.526 $\pm$ 0.433  $\chi^2$ /NDF: 13275.3/9

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

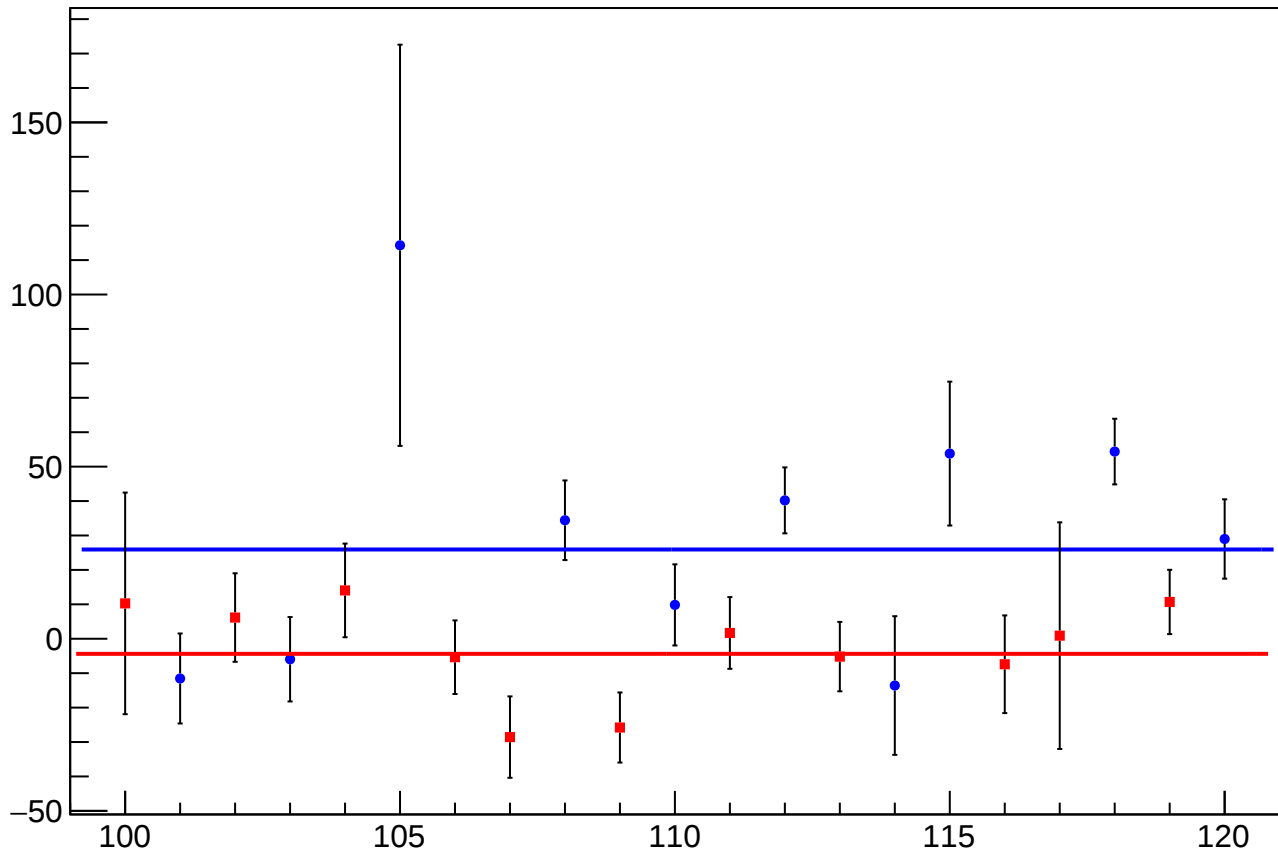
Right Out: 1113.598 $\pm$ 0.395  $\chi^2$ /NDF: 22067.5/10

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

1139.526 $\pm$ 0.433  $\chi^2$ /NDF: 13275.3/9

1113.598 $\pm$ 0.395  $\chi^2$ /NDF: 22067.5/10

# diff\_bpm0l08X\_mean vs slug



Right In: 25.931+/-4.027  $\chi^2$ /NDF: 36.5/9

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

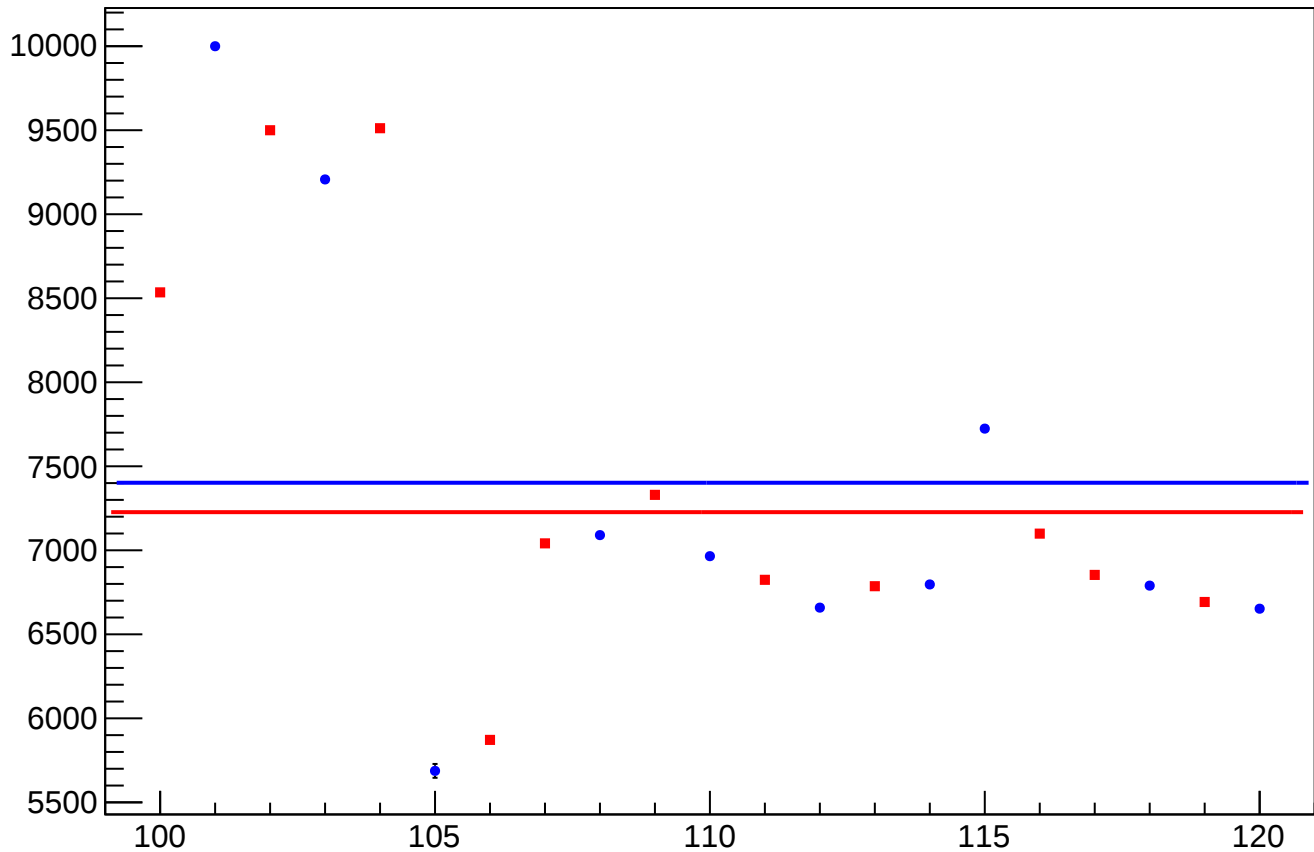
Right Out: -4.380+/-3.667  $\chi^2$ /NDF: 14.3/10

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

25.931+/-4.027  $\chi^2$ /NDF: 36.5/9

-4.380+/-3.667  $\chi^2$ /NDF: 14.3/10

# diff\_bpm0l08X\_rms vs slug



Right In: 7402.010+/-2.848  $\chi^2/\text{NDF}$ : 159287.1/9

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

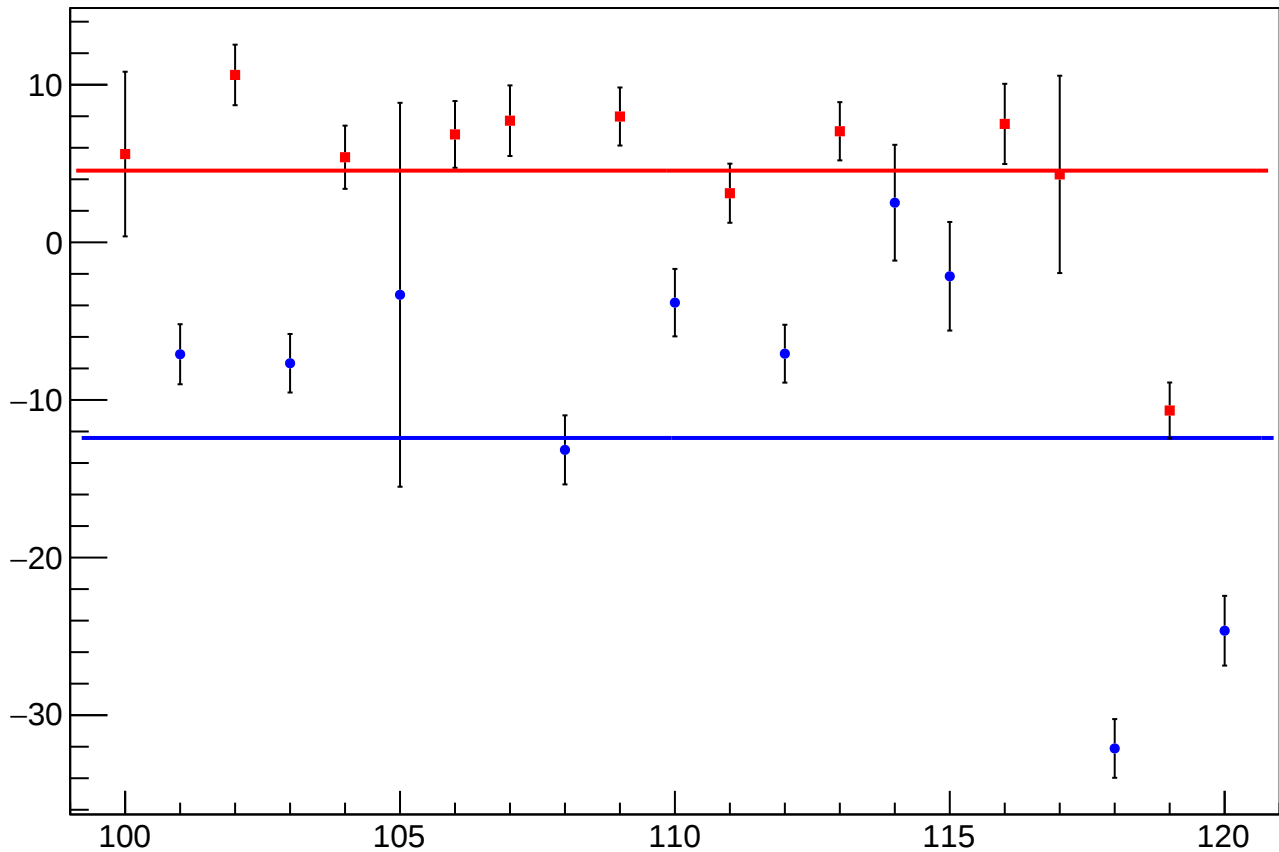
7402.010+/-2.848  $\chi^2/\text{NDF}$ : 159287.1/9

Right Out: 7226.987+/-2.593  $\chi^2/\text{NDF}$ : 168809.2/10

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

7226.987+/-2.593  $\chi^2/\text{NDF}$ : 168809.2/10

# diff\_bpm0l08Y\_mean vs slug



Right In: -12.410 $\pm$ 0.717  $\chi^2$ /NDF: 207.3/9

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

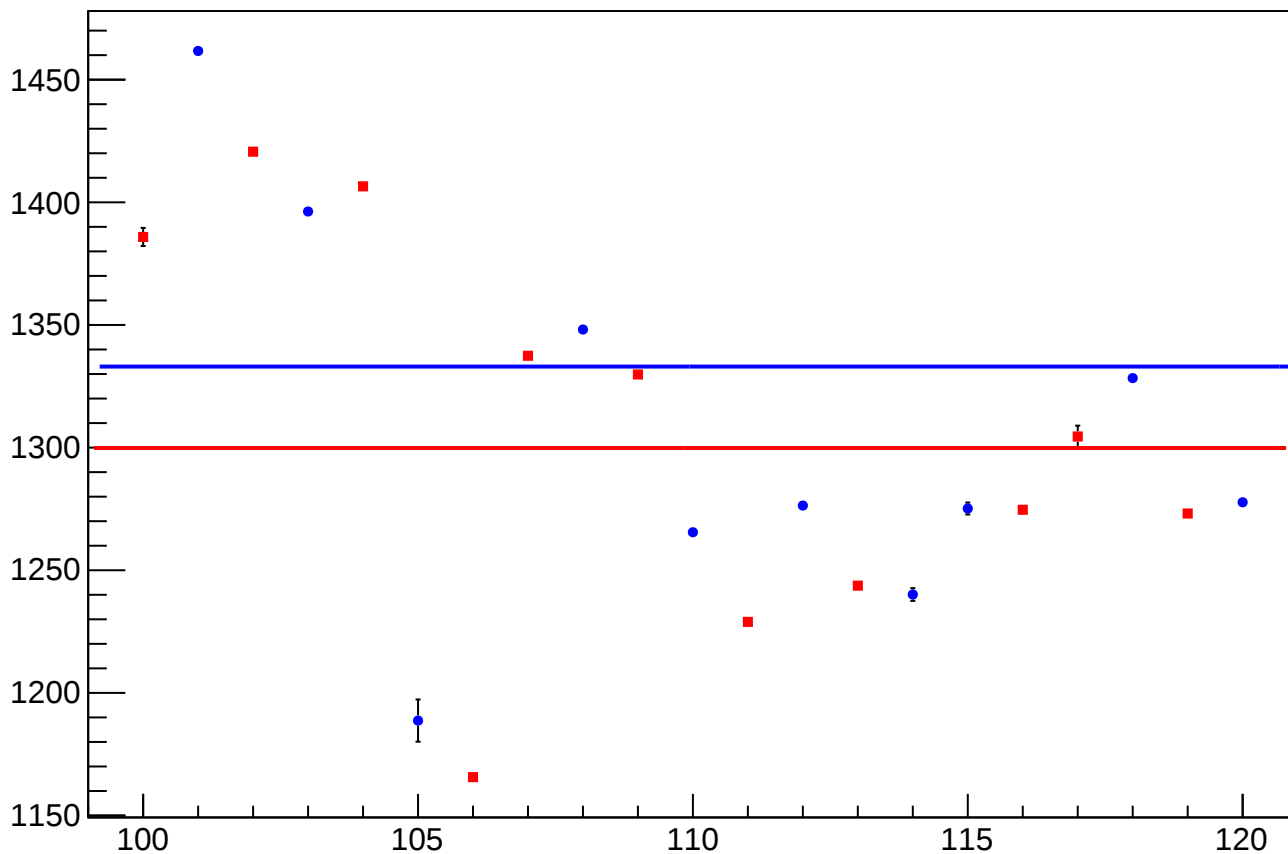
Right Out: 4.550 $\pm$ 0.653  $\chi^2$ /NDF: 94.1/10

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

-12.410 $\pm$ 0.717  $\chi^2$ /NDF: 207.3/9

4.550 $\pm$ 0.653  $\chi^2$ /NDF: 94.1/10

# diff\_bpm0l08Y\_rms vs slug



Right In: 1333.042 $\pm$ 0.507  $\chi^2$ /NDF: 18824.3/9

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

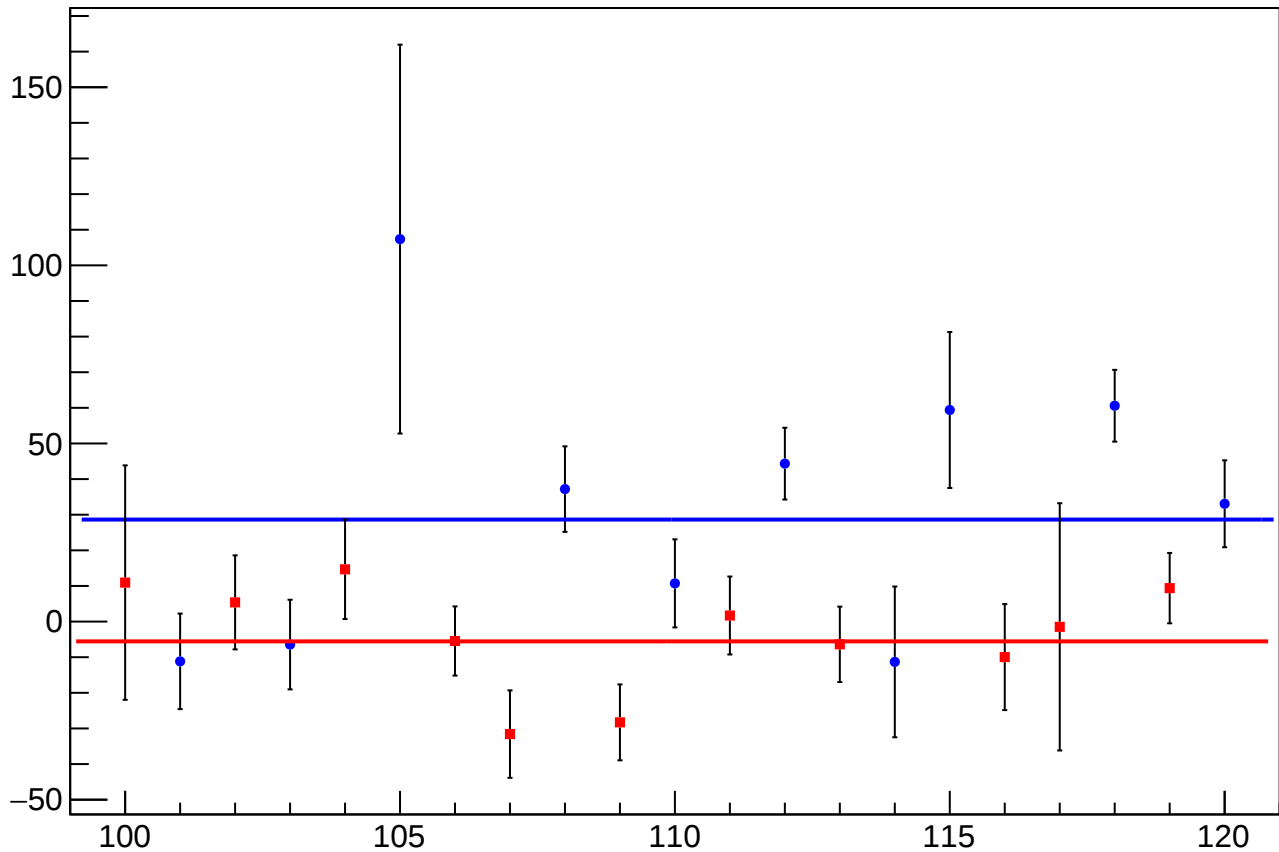
Right Out: 1299.837 $\pm$ 0.461  $\chi^2$ /NDF: 28600.1/10

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

1333.042 $\pm$ 0.507  $\chi^2$ /NDF: 18824.3/9

1299.837 $\pm$ 0.461  $\chi^2$ /NDF: 28600.1/10

# diff\_bpm0l09X\_mean vs slug



Right In: 28.637+/-4.209  $\chi^2$ /NDF: 39.4/9

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

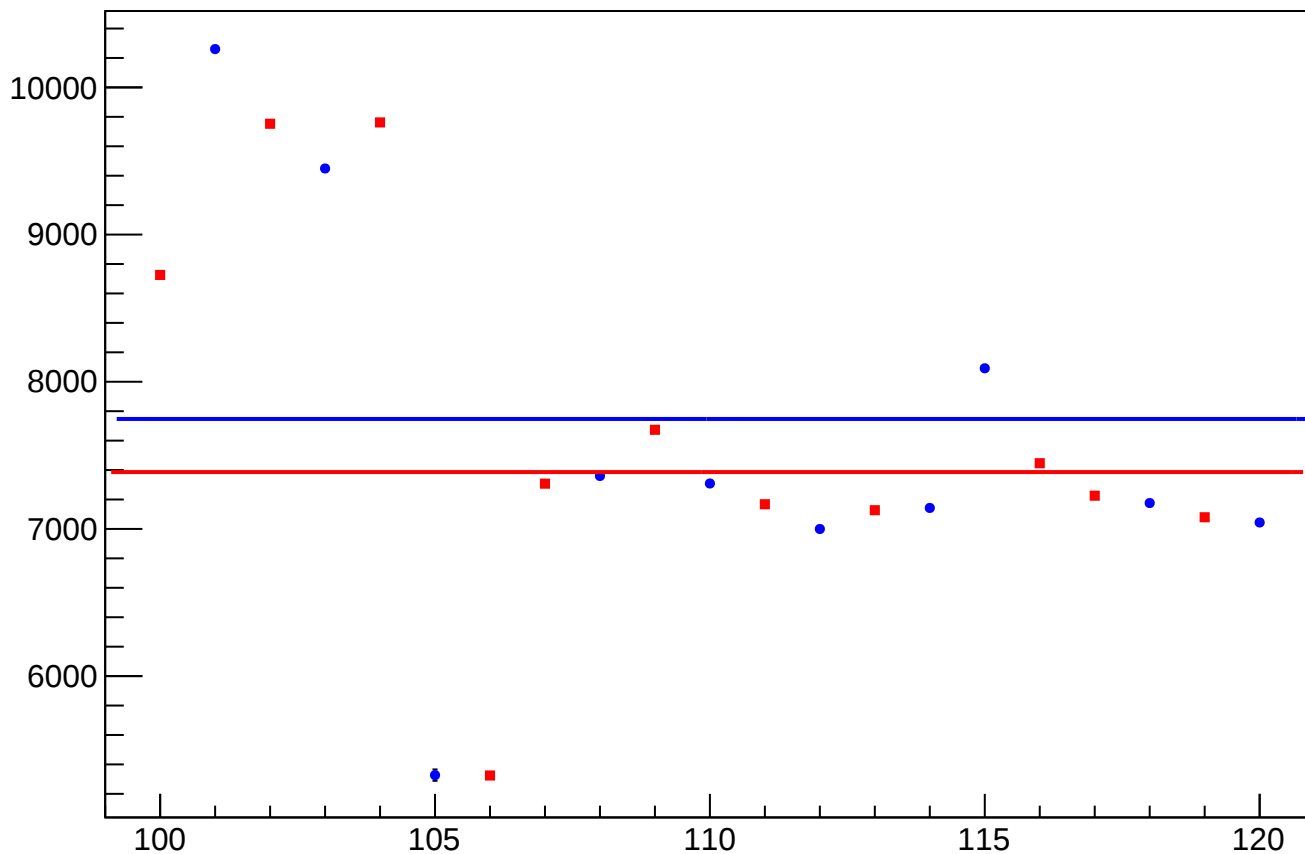
Right Out: -5.559+/-3.761  $\chi^2$ /NDF: 14.9/10

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

28.637+/-4.209  $\chi^2$ /NDF: 39.4/9

-5.559+/-3.761  $\chi^2$ /NDF: 14.9/10

# diff\_bpm0l09X\_rms vs slug



Right In: 7747.198+/-2.976  $\chi^2/\text{NDF}$ : 141564.9/9

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

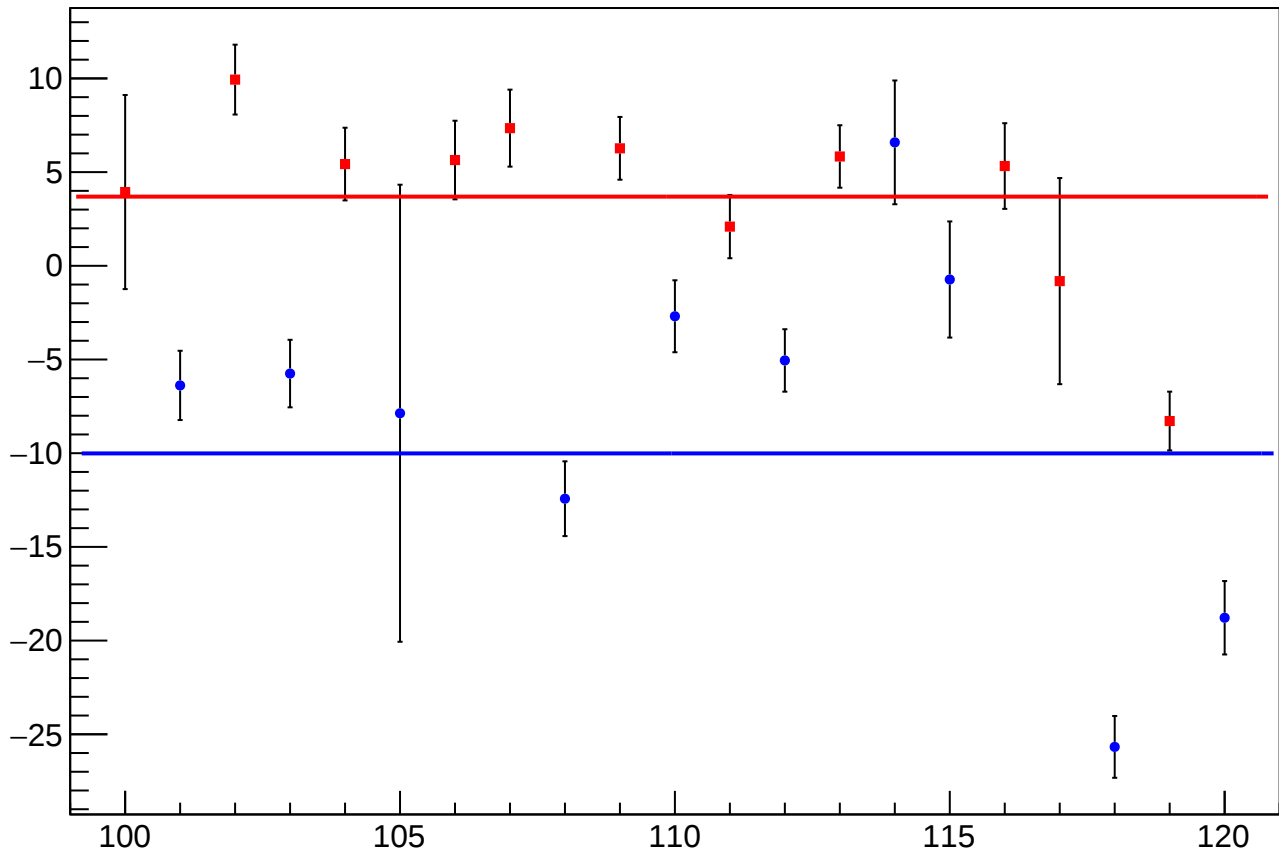
Right Out: 7386.427+/-2.659  $\chi^2/\text{NDF}$ : 221151.1/10

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

7747.198+/-2.976  $\chi^2/\text{NDF}$ : 141564.9/9

7386.427+/-2.659  $\chi^2/\text{NDF}$ : 221151.1/10

# diff\_bpm0l09Y\_mean vs slug



Right In: -10.011 $\pm$ 0.657  $\chi^2$ /NDF: 178.8/9

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

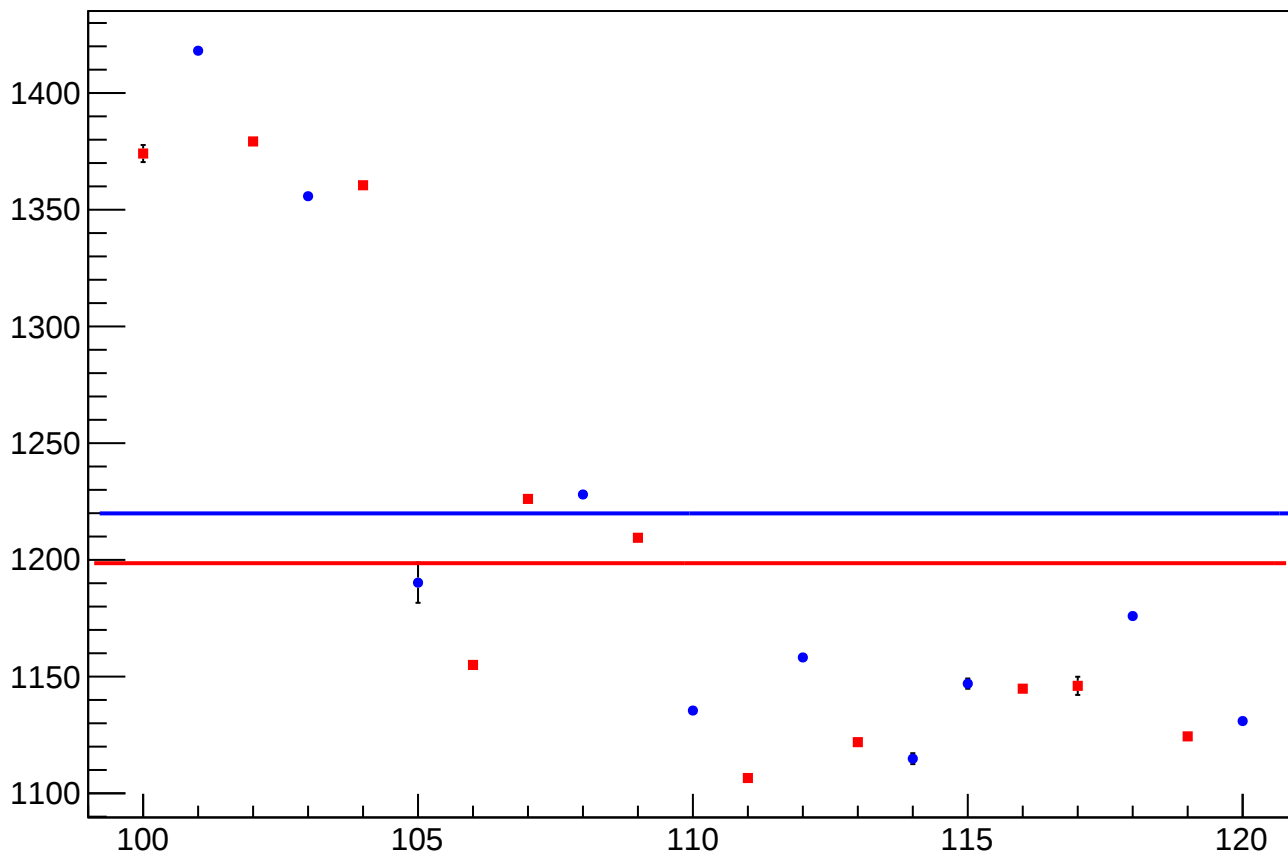
Right Out: 3.692 $\pm$ 0.603  $\chi^2$ /NDF: 80.5/10

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

-10.011 $\pm$ 0.657  $\chi^2$ /NDF: 178.8/9

3.692 $\pm$ 0.603  $\chi^2$ /NDF: 80.5/10

# diff\_bpm0l09Y\_rms vs slug



Right In: 1219.917 $\pm$ 0.465  $\chi^2$ /NDF: 49708.0/9

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

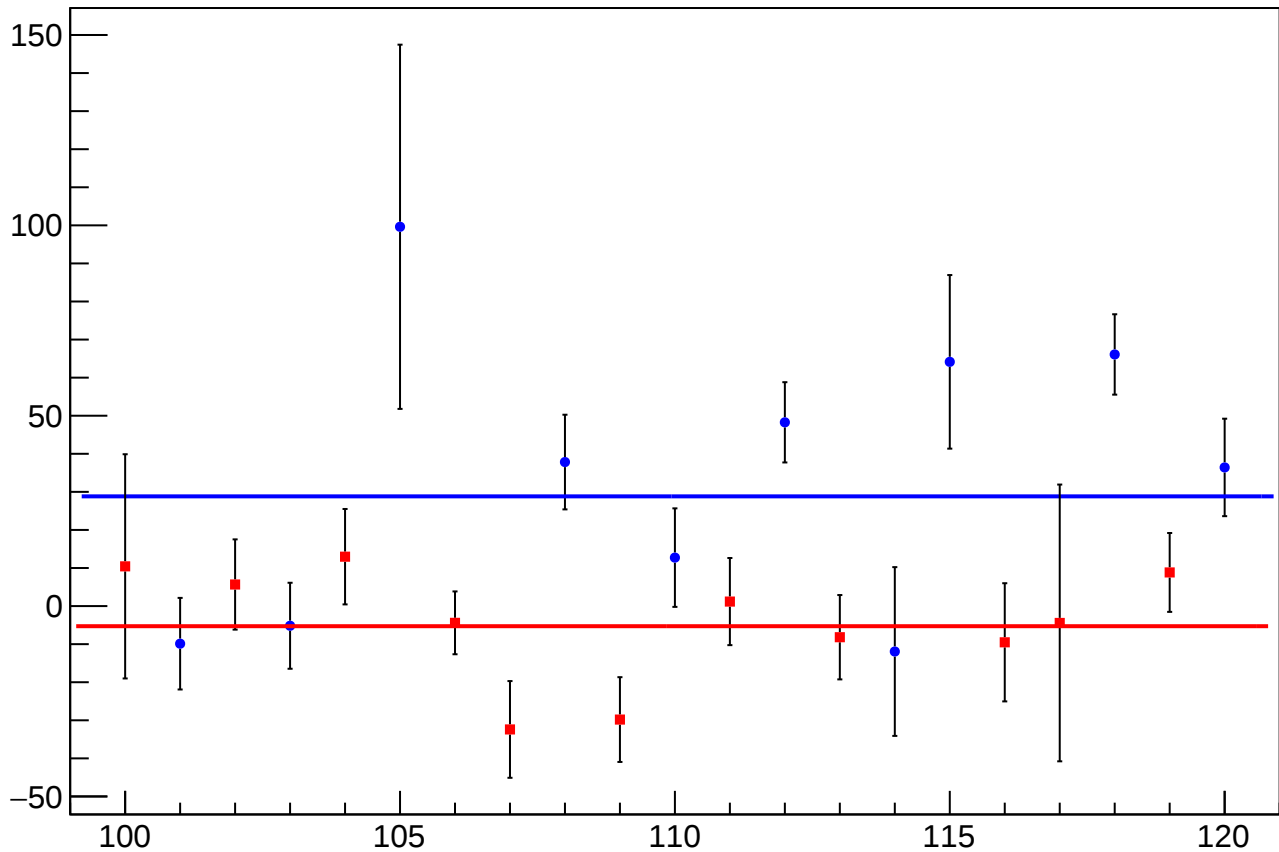
Right Out: 1198.580 $\pm$ 0.426  $\chi^2$ /NDF: 52267.7/10

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

1219.917 $\pm$ 0.465  $\chi^2$ /NDF: 49708.0/9

1198.580 $\pm$ 0.426  $\chi^2$ /NDF: 52267.7/10

# diff\_bpm0l10X\_mean vs slug



Right In: 28.820 $\pm$ 4.238  $\chi^2$ /NDF: 45.7/9

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

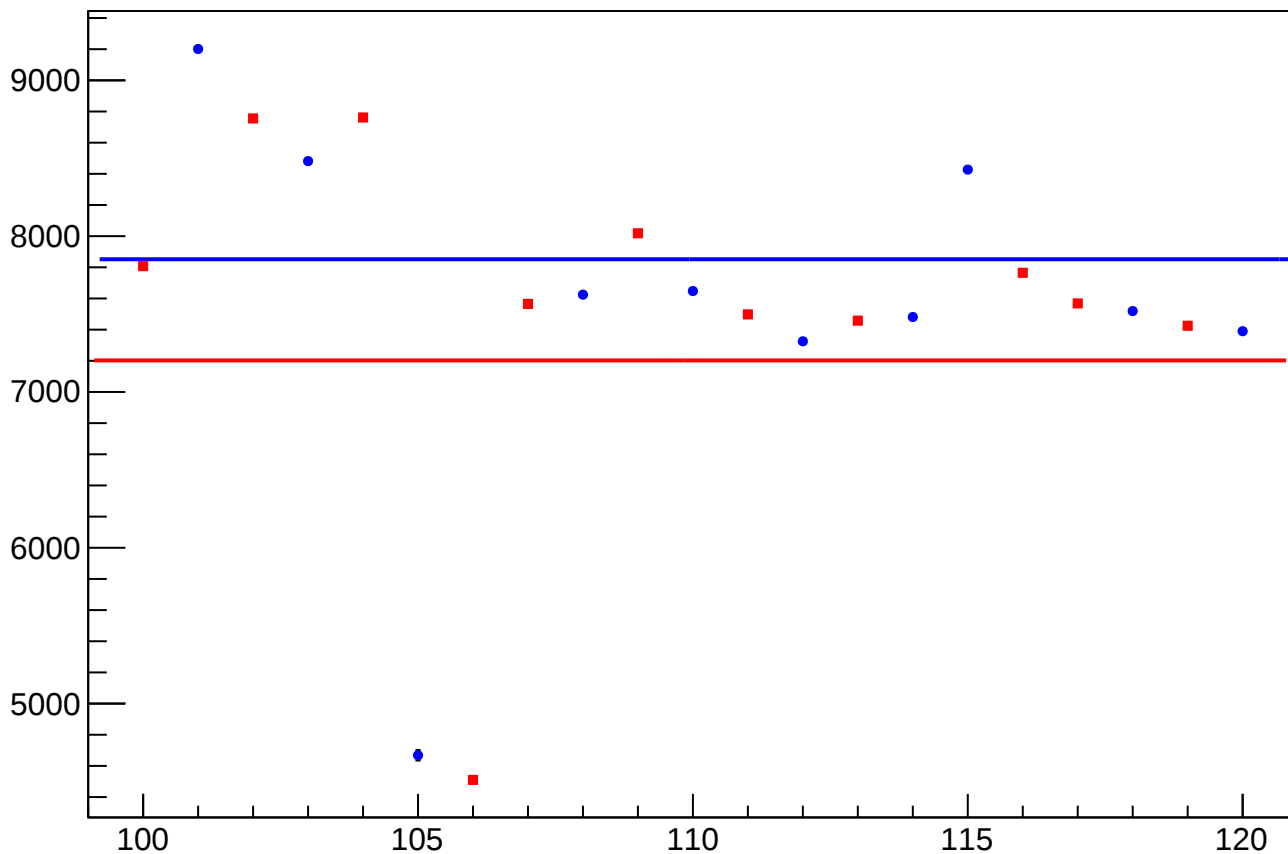
Right Out: -5.284 $\pm$ 3.686  $\chi^2$ /NDF: 15.0/10

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

28.820 $\pm$ 4.238  $\chi^2$ /NDF: 45.7/9

-5.284 $\pm$ 3.686  $\chi^2$ /NDF: 15.0/10

# diff\_bpm0l10X\_rms vs slug



Right In: 7851.699 $\pm$ 2.997  $\chi^2$ /NDF: 52837.6/9

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

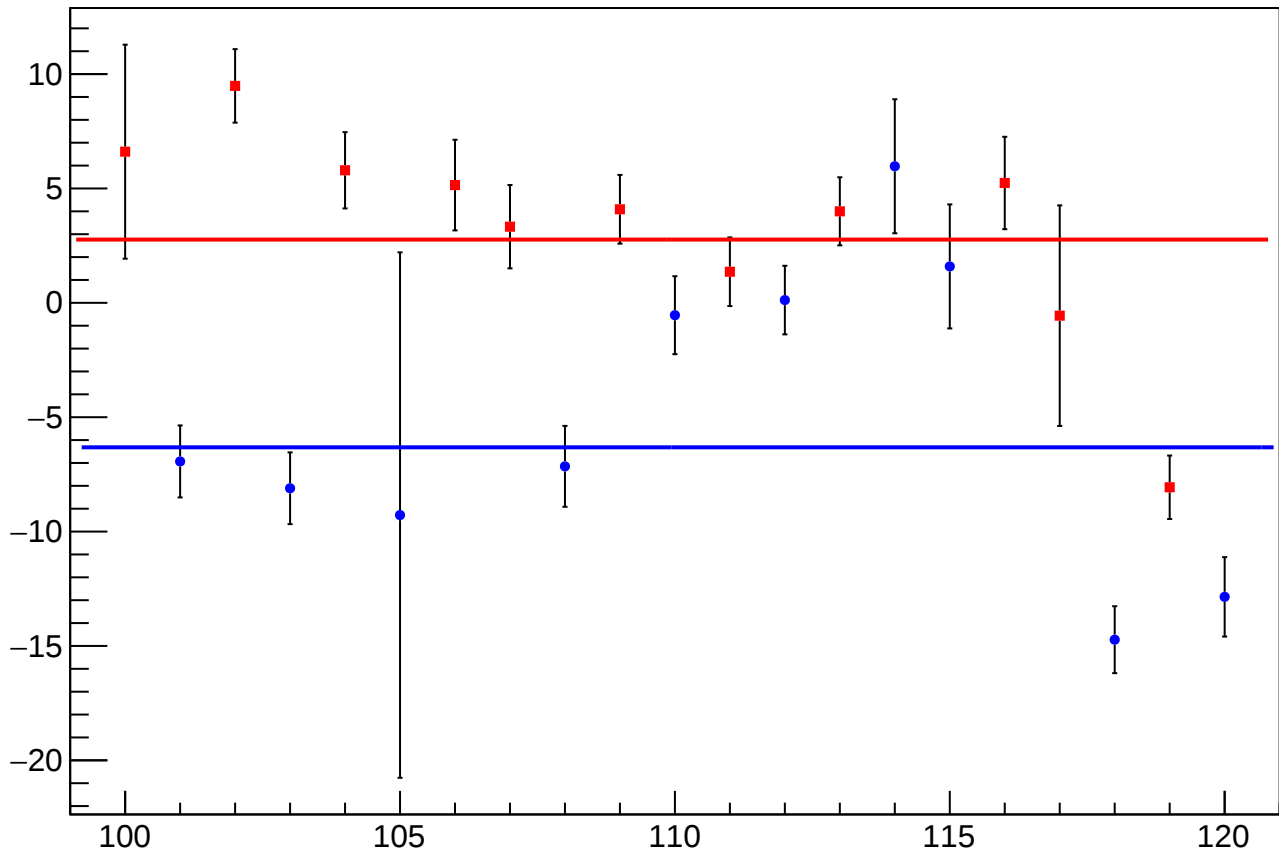
Right Out: 7202.464 $\pm$ 2.606  $\chi^2$ /NDF: 297562.6/10

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

7851.699 $\pm$ 2.997  $\chi^2$ /NDF: 52837.6/9

7202.464 $\pm$ 2.606  $\chi^2$ /NDF: 297562.6/10

# diff\_bpm0l10Y\_mean vs slug



Right In: -6.316 $\pm$ 0.579  $\chi^2$ /NDF: 105.0/9

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

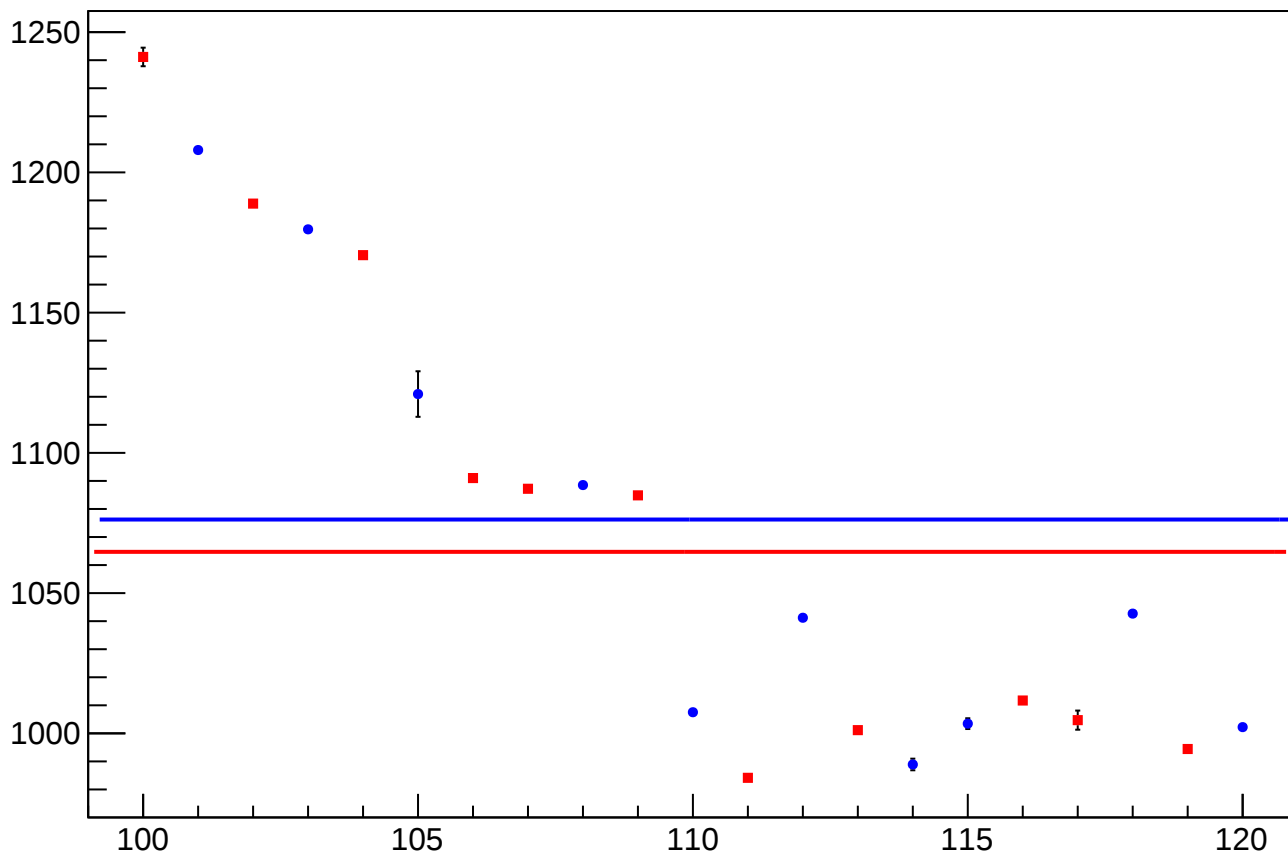
Right Out: 2.765 $\pm$ 0.535  $\chi^2$ /NDF: 88.3/10

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

-6.316 $\pm$ 0.579  $\chi^2$ /NDF: 105.0/9

2.765 $\pm$ 0.535  $\chi^2$ /NDF: 88.3/10

# diff\_bpm0l10Y\_rms vs slug



Right In: 1076.236 $\pm$ 0.410  $\chi^2$ /NDF: 35089.6/9

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

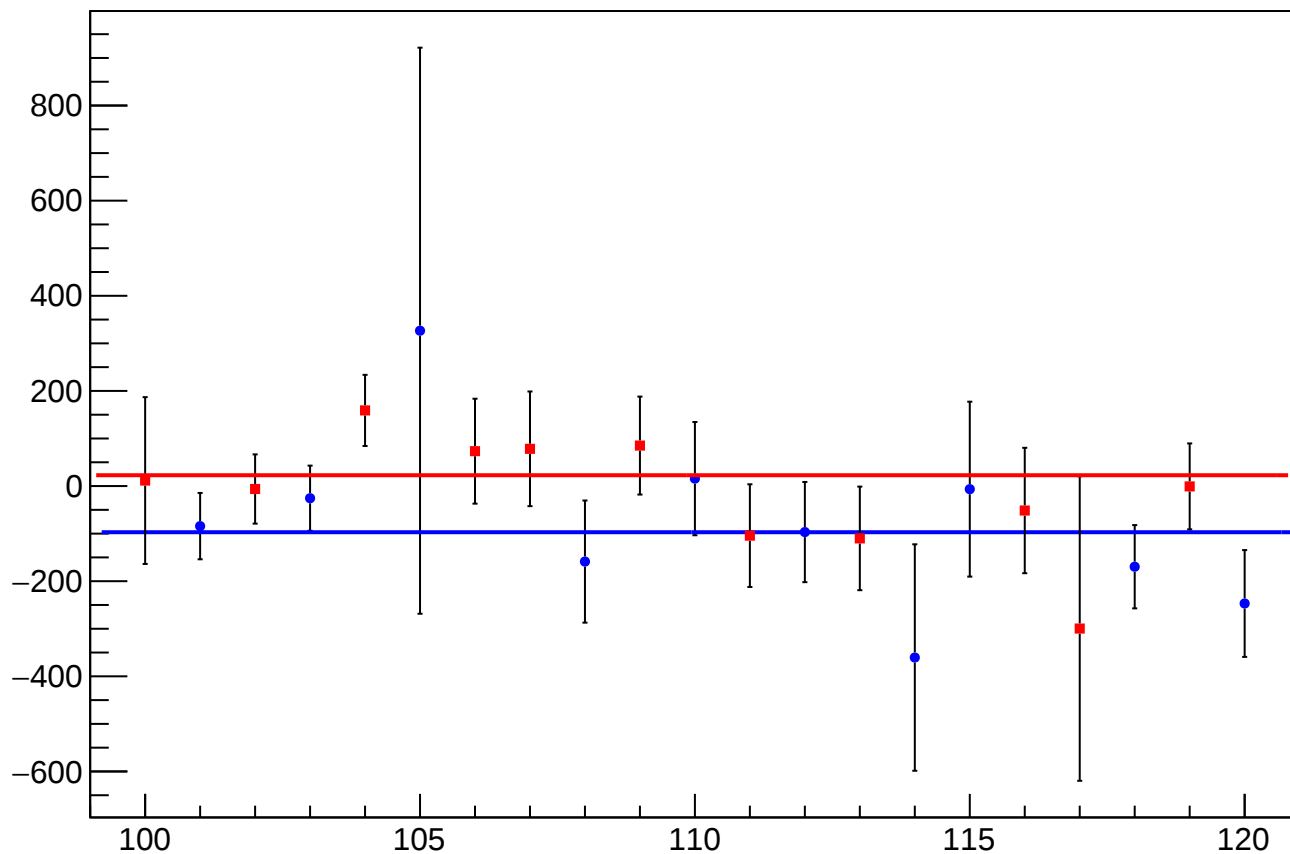
Right Out: 1064.714 $\pm$ 0.378  $\chi^2$ /NDF: 40078.1/10

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

1076.236 $\pm$ 0.410  $\chi^2$ /NDF: 35089.6/9

1064.714 $\pm$ 0.378  $\chi^2$ /NDF: 40078.1/10

diff\_bpm0r03X\_mean vs slug



Right In: -97.061+/-33.332  $\chi^2$ /NDF: 6.7/9

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

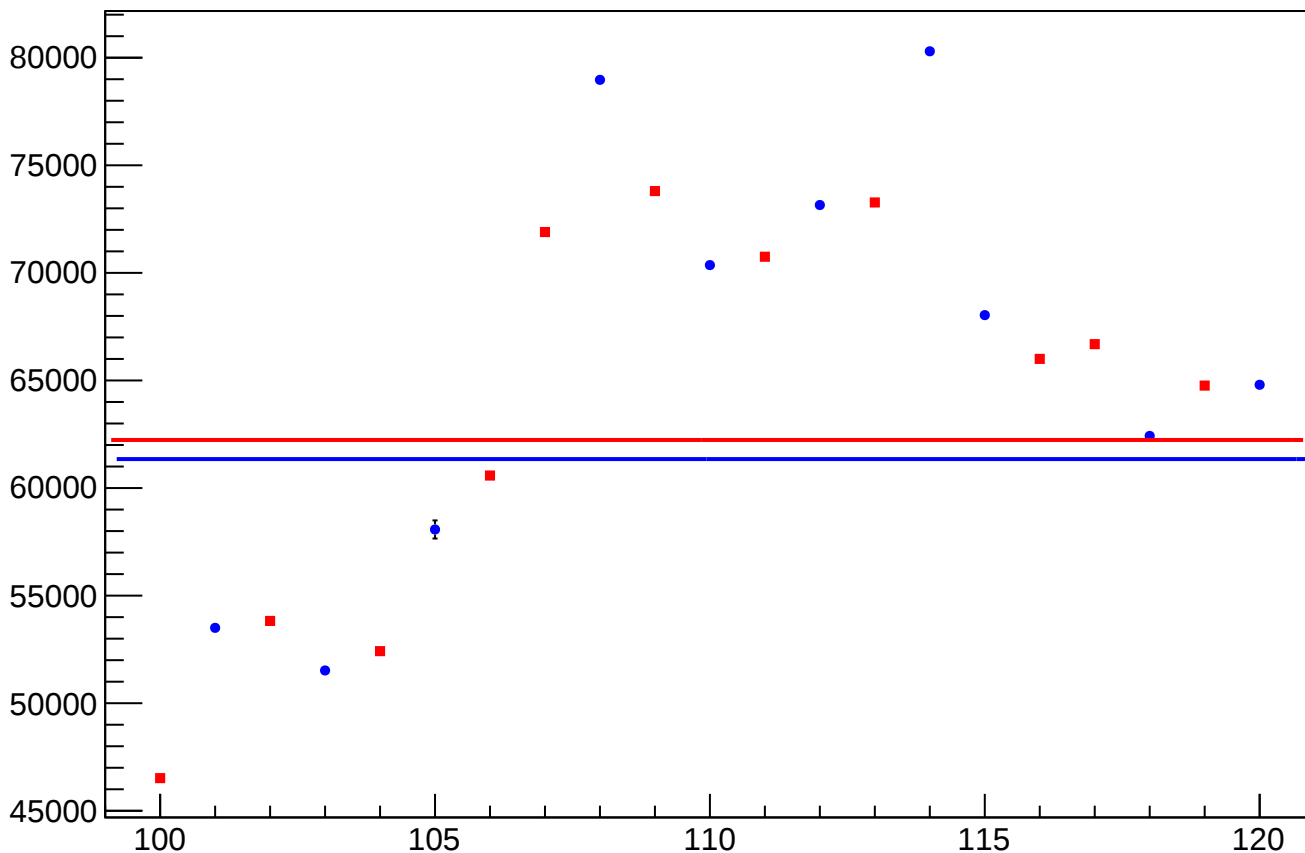
Right Out: 22.762+/-31.539  $\chi^2$ /NDF: 8.5/10

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

-97.061+/-33.332  $\chi^2$ /NDF: 6.7/9

22.762+/-31.539  $\chi^2$ /NDF: 8.5/10

# diff\_bpm0r03X\_rms vs slug



Right In: 61346.371+/-23.570  $\chi^2/\text{NDF}$ : 158334.4/9

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

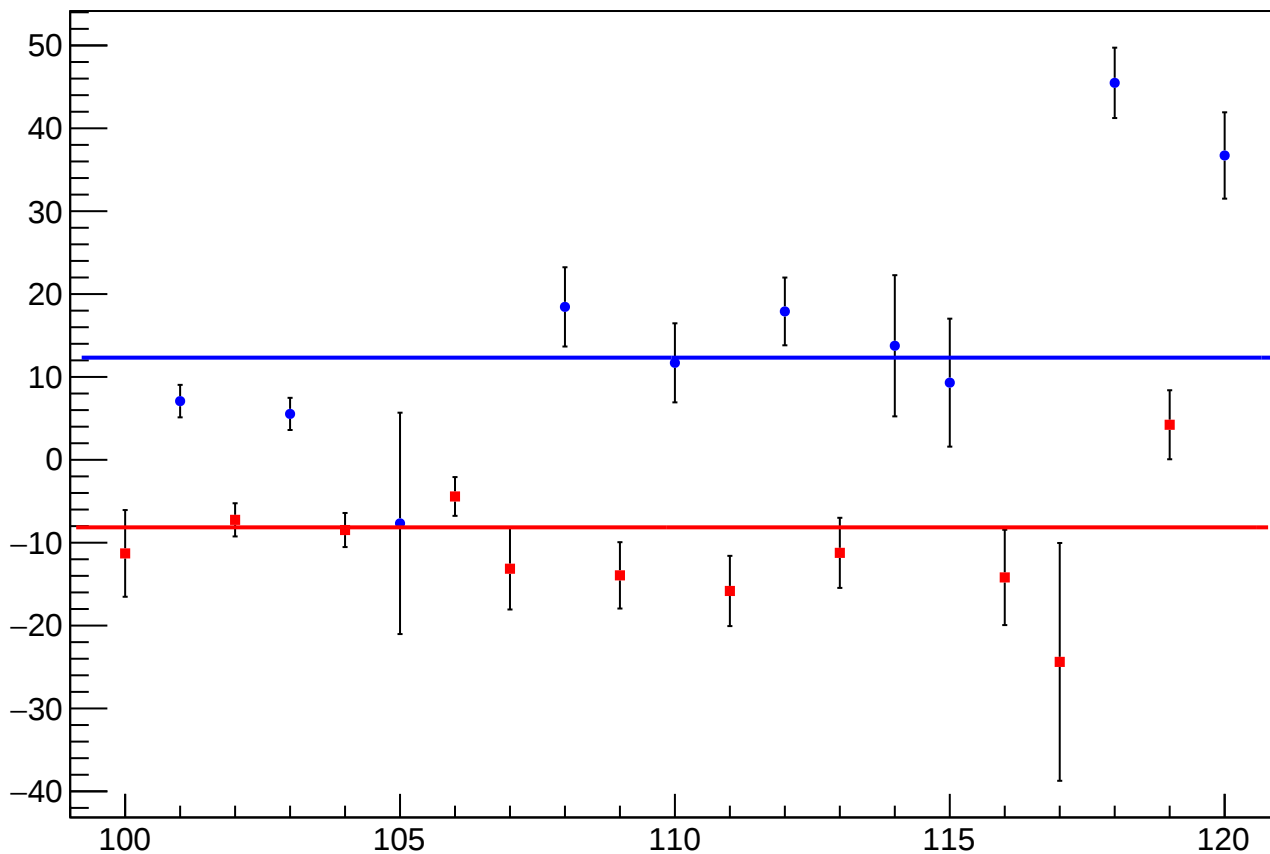
Right Out: 62234.177+/-22.301  $\chi^2/\text{NDF}$ : 152323.4/10

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

61346.371+/-23.570  $\chi^2/\text{NDF}$ : 158334.4/9

62234.177+/-22.301  $\chi^2/\text{NDF}$ : 152323.4/10

# diff\_bpm0r03Y\_mean vs slug



Right In: 12.329+/-1.117  $\chi^2/\text{NDF}$ : 108.3/9

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

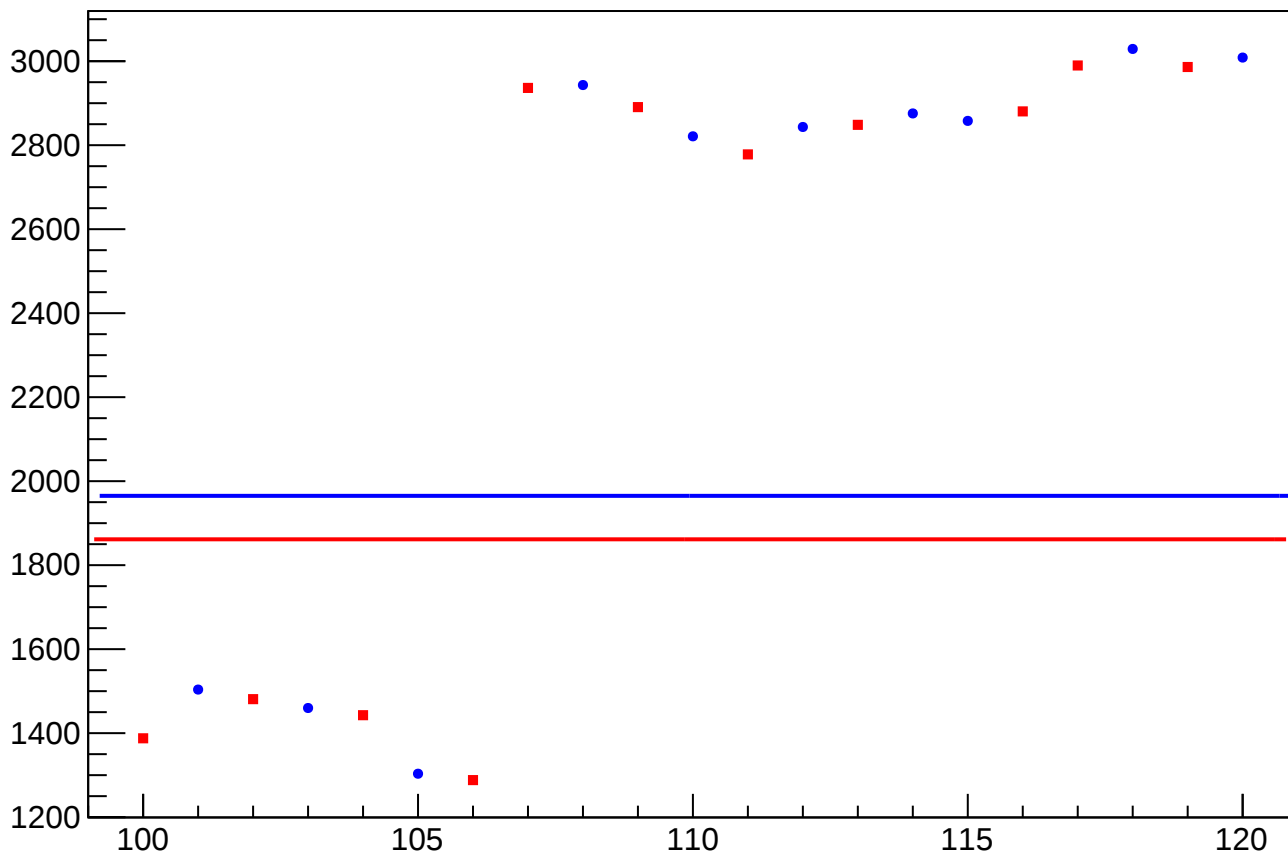
Right Out: -8.147+/-0.993  $\chi^2/\text{NDF}$ : 21.3/10

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

12.329+/-1.117  $\chi^2/\text{NDF}$ : 108.3/9

-8.147+/-0.993  $\chi^2/\text{NDF}$ : 21.3/10

# diff\_bpm0r03Y\_rms vs slug



Right In: 1965.060 $\pm$ 0.790  $\chi^2$ /NDF: 747188.7/9

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

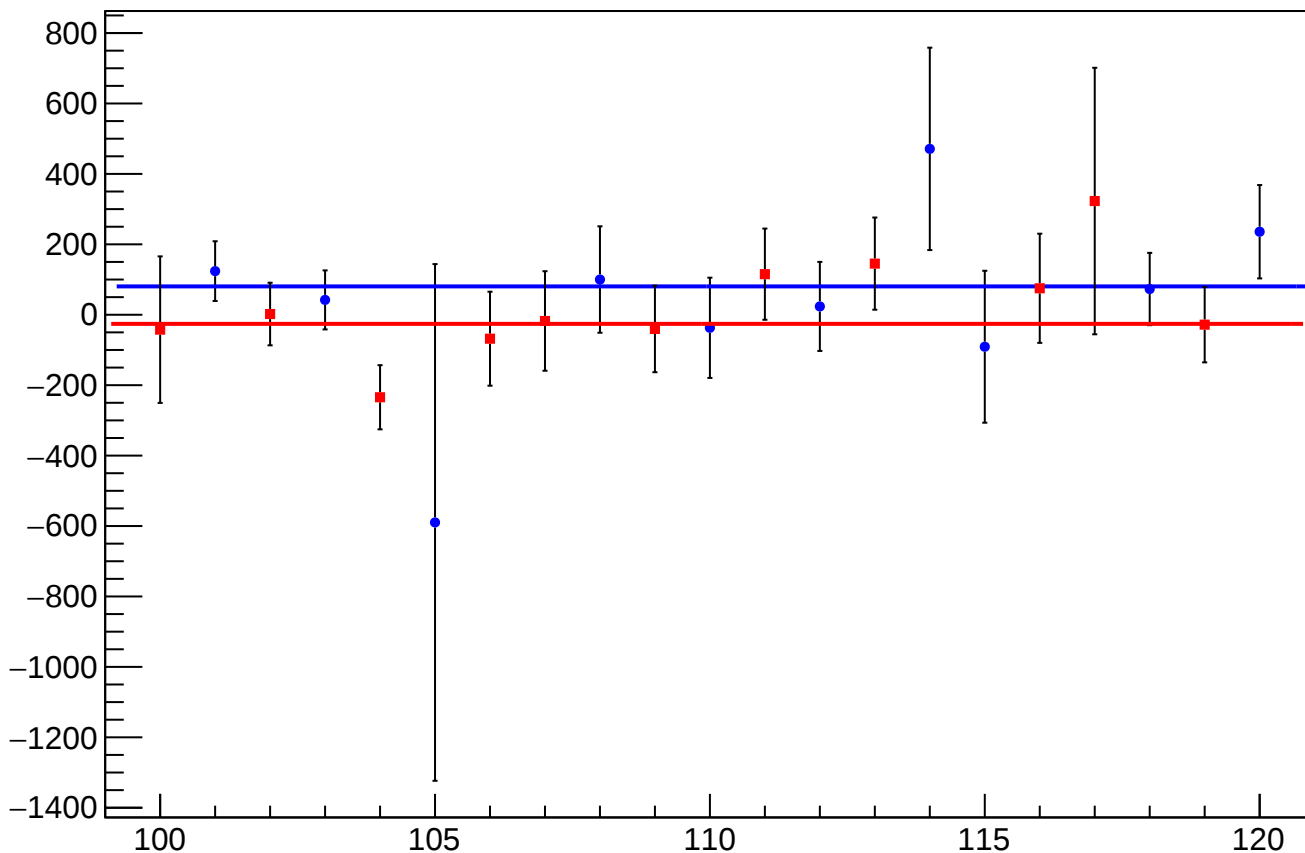
Right Out: 1861.539 $\pm$ 0.702  $\chi^2$ /NDF: 942827.7/10

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

1965.060 $\pm$ 0.790  $\chi^2$ /NDF: 747188.7/9

1861.539 $\pm$ 0.702  $\chi^2$ /NDF: 942827.7/10

# diff\_bpm0r05X\_mean vs slug



Right In: 80.540+/-40.020  $\chi^2/\text{NDF}$ : 6.1/9

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

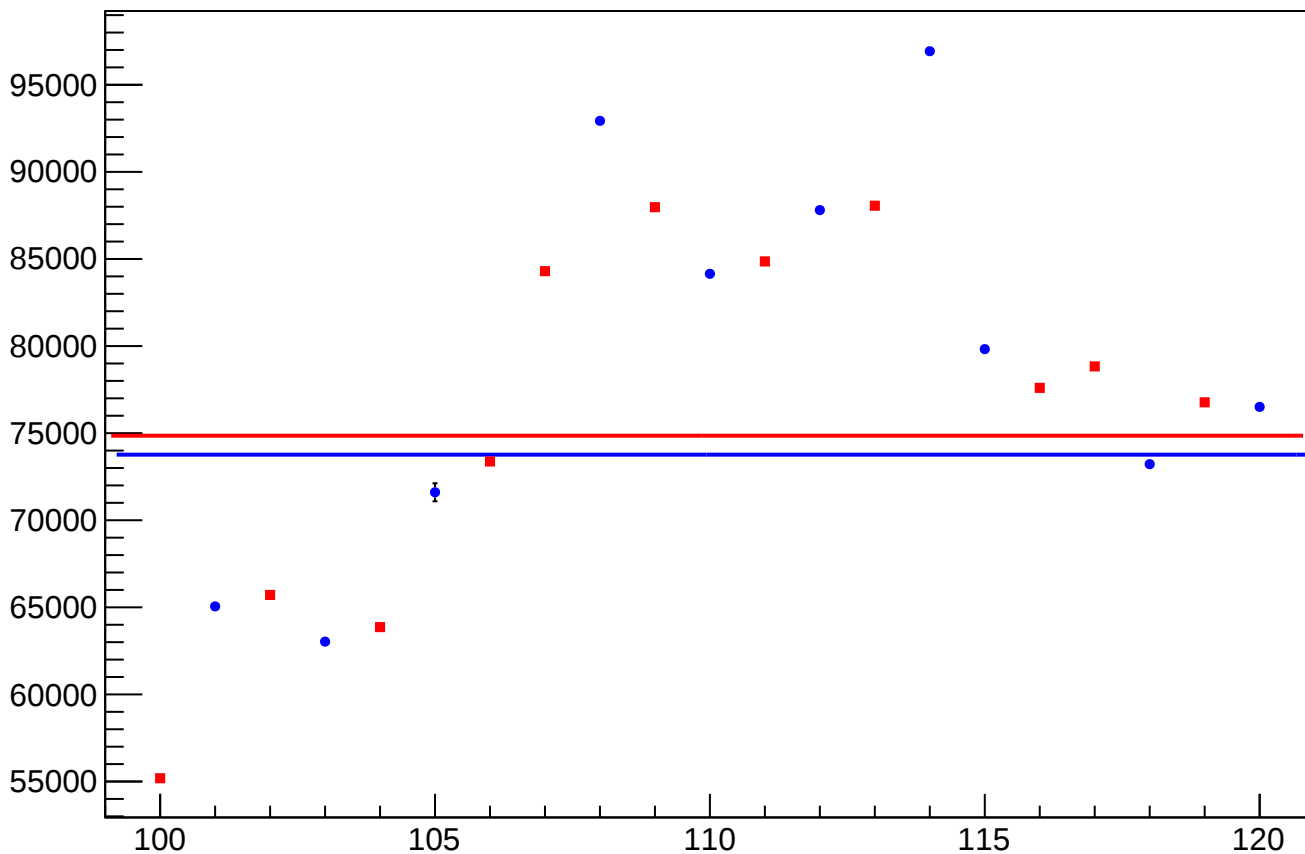
Right Out: -25.850+/-37.896  $\chi^2/\text{NDF}$ : 9.6/10

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

80.540+/-40.020  $\chi^2/\text{NDF}$ : 6.1/9

-25.850+/-37.896  $\chi^2/\text{NDF}$ : 9.6/10

# diff\_bpm0r05X\_rms vs slug



Right In: 73765.901 $\pm$ 28.299  $\chi^2$ /NDF: 136913.1/9

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

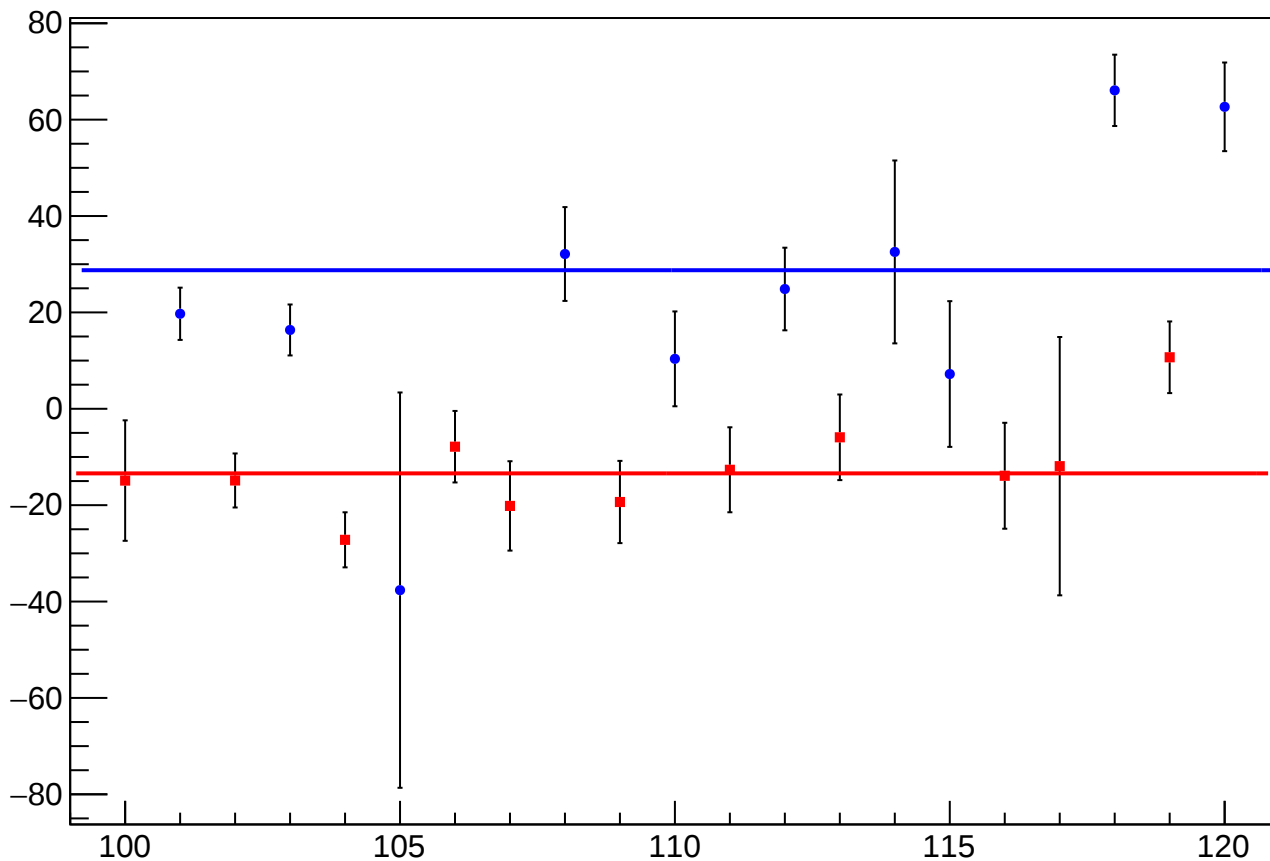
73765.901 $\pm$ 28.299  $\chi^2$ /NDF: 136913.1/9

Right Out: 74854.856 $\pm$ 26.797  $\chi^2$ /NDF: 133873.5/10

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

74854.856 $\pm$ 26.797  $\chi^2$ /NDF: 133873.5/10

diff\_bpm0r05Y\_mean vs slug



Right In: 28.755+/-2.653  $\chi^2$ /NDF: 55.8/9

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

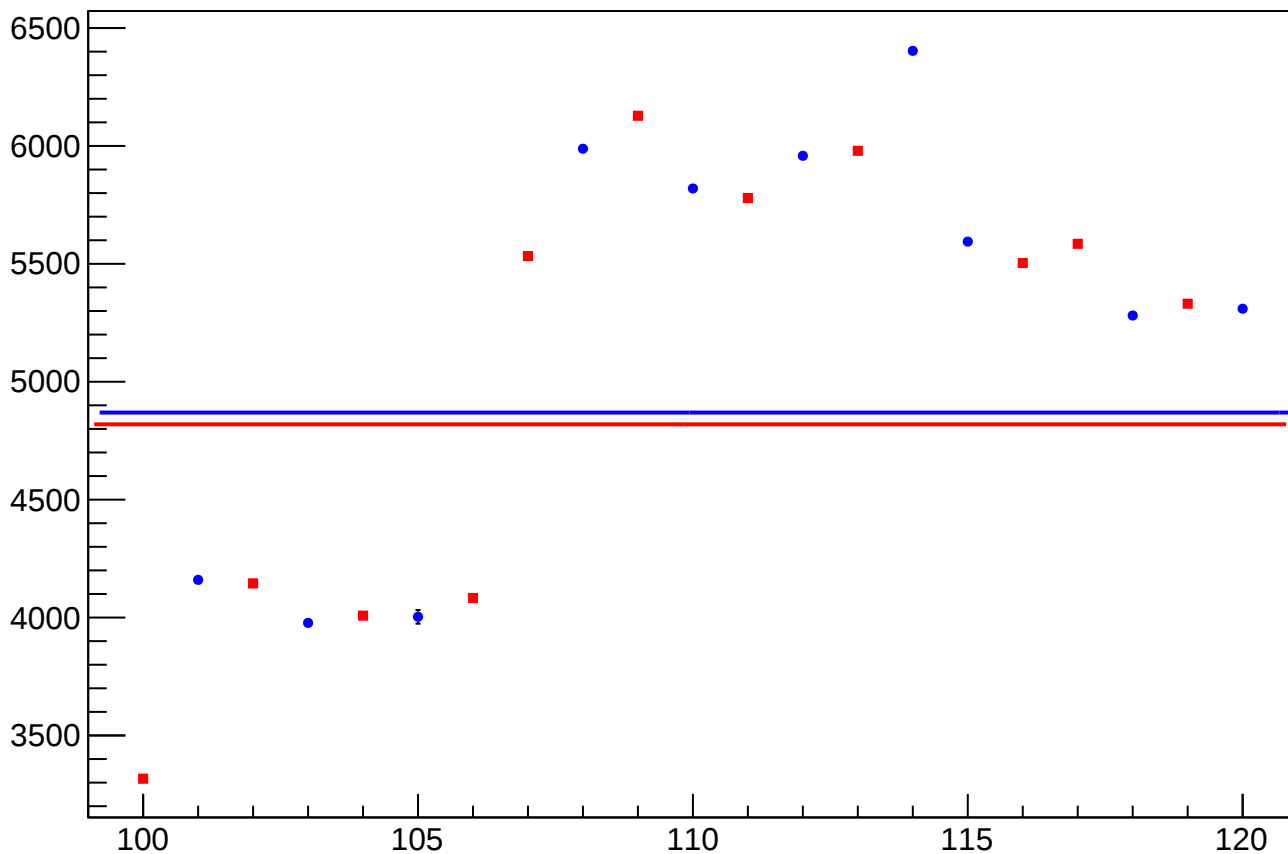
28.755+/-2.653  $\chi^2$ /NDF: 55.8/9

Right Out: -13.403+/-2.457  $\chi^2$ /NDF: 18.7/10

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

-13.403+/-2.457  $\chi^2$ /NDF: 18.7/10

# diff\_bpm0r05Y\_rms vs slug



Right In: 4869.413+/-1.876  $\chi^2/\text{NDF}$ : 197817.7/9

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

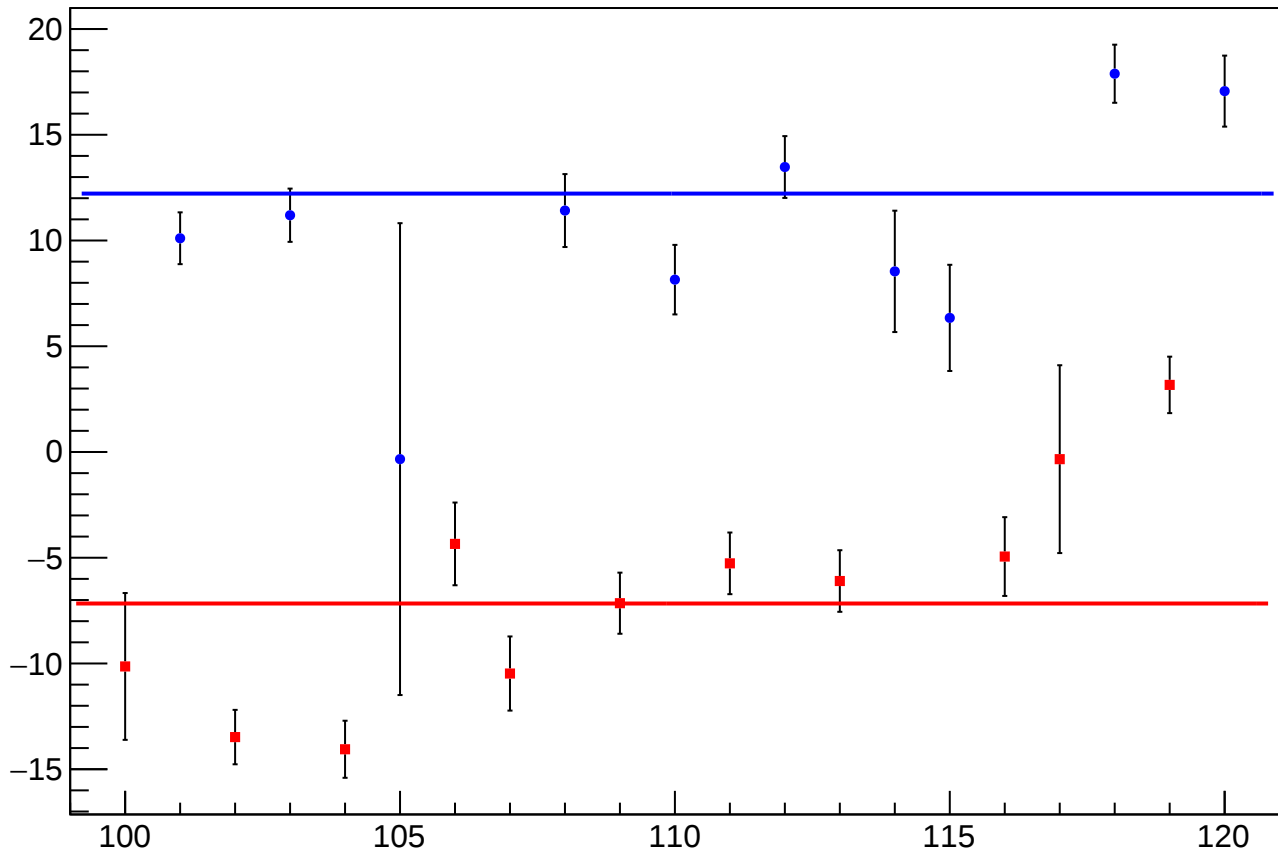
Right Out: 4819.448+/-1.737  $\chi^2/\text{NDF}$ : 253418.0/10

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

4869.413+/-1.876  $\chi^2/\text{NDF}$ : 197817.7/9

4819.448+/-1.737  $\chi^2/\text{NDF}$ : 253418.0/10

# diff\_bpm2i01X\_mean vs slug



Right In: 12.218 $\pm$ 0.524  $\chi^2$ /NDF: 44.4/9

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

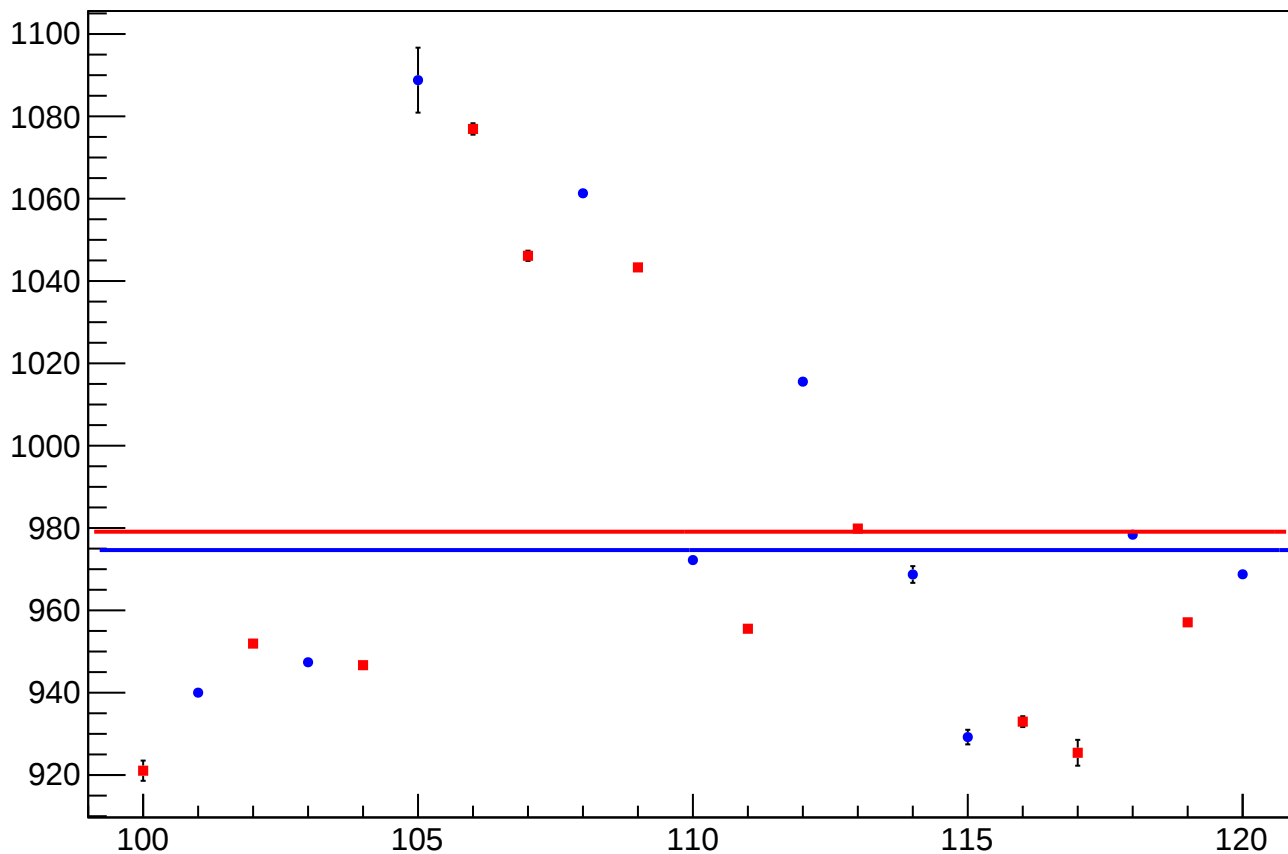
Right Out: -7.165 $\pm$ 0.491  $\chi^2$ /NDF: 122.5/10

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

12.218 $\pm$ 0.524  $\chi^2$ /NDF: 44.4/9

-7.165 $\pm$ 0.491  $\chi^2$ /NDF: 122.5/10

# diff\_bpm2i01X\_rms vs slug



Right In: 974.645 $\pm$ 0.370  $\chi^2$ /NDF: 10071.6/9

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

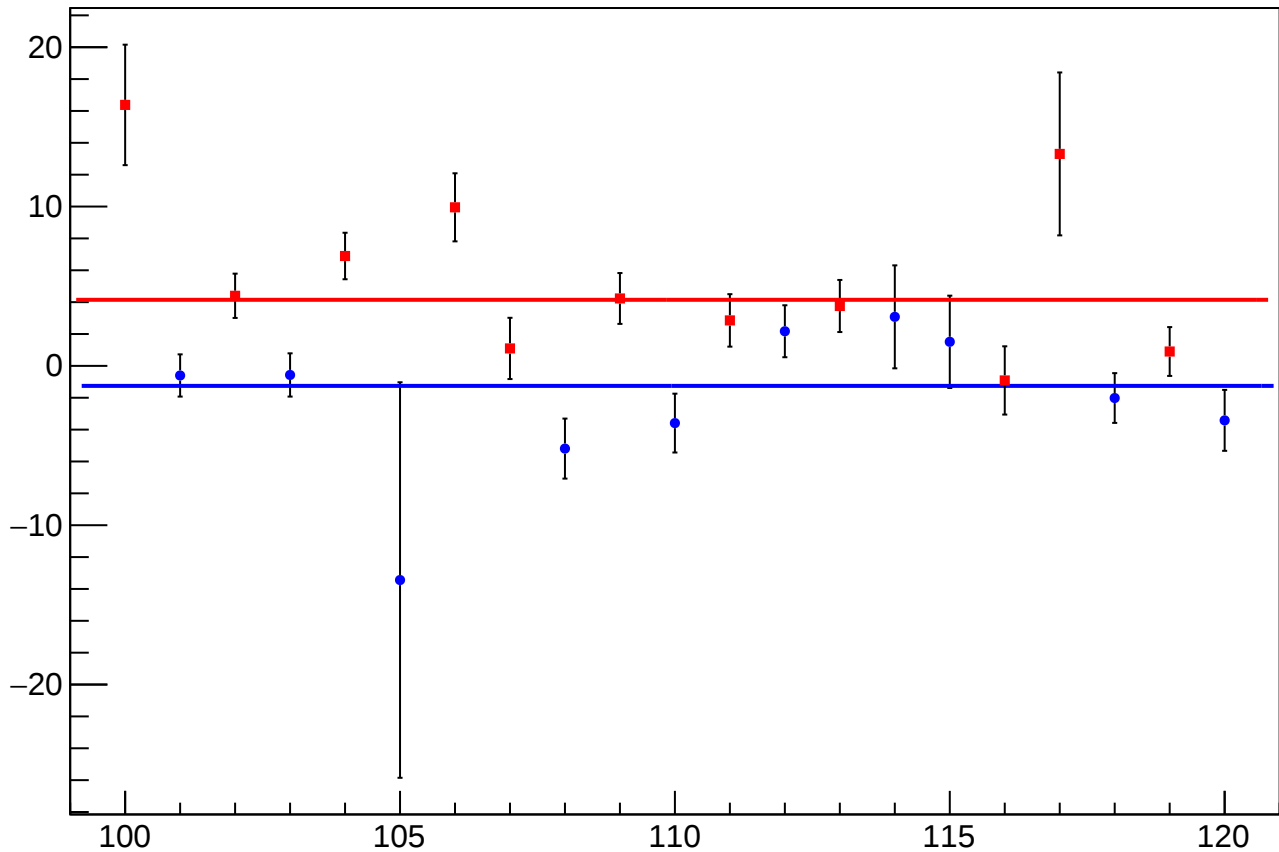
Right Out: 979.104 $\pm$ 0.347  $\chi^2$ /NDF: 17071.8/10

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

974.645 $\pm$ 0.370  $\chi^2$ /NDF: 10071.6/9

979.104 $\pm$ 0.347  $\chi^2$ /NDF: 17071.8/10

# diff\_bpm2i01Y\_mean vs slug



Right In: -1.255+/-0.580  $\chi^2/\text{NDF}$ : 16.1/9

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

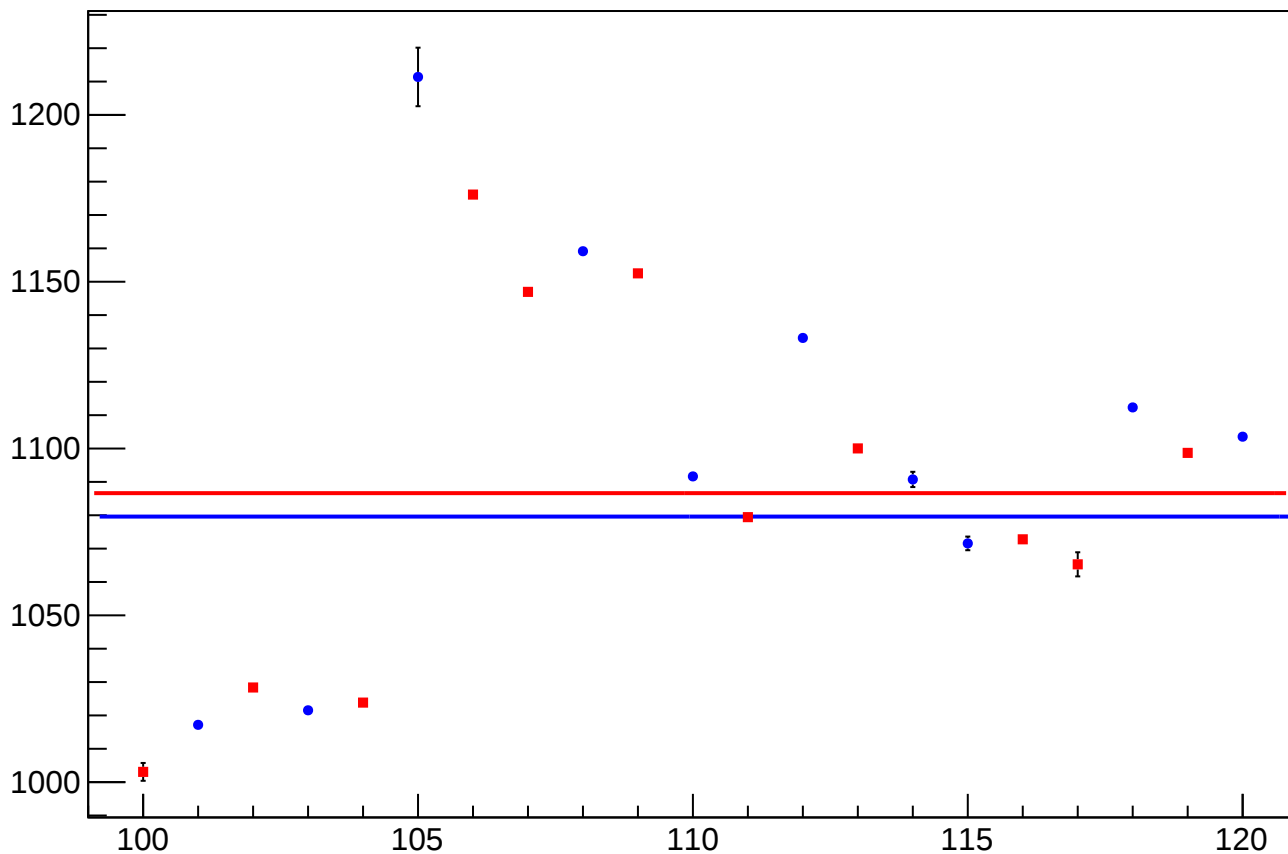
Right Out: 4.147+/-0.545  $\chi^2/\text{NDF}$ : 37.9/10

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

-1.255+/-0.580  $\chi^2/\text{NDF}$ : 16.1/9

4.147+/-0.545  $\chi^2/\text{NDF}$ : 37.9/10

# diff\_bpm2i01Y\_rms vs slug



Right In: 1079.605 $\pm$ 0.410  $\chi^2$ /NDF: 15361.1/9

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

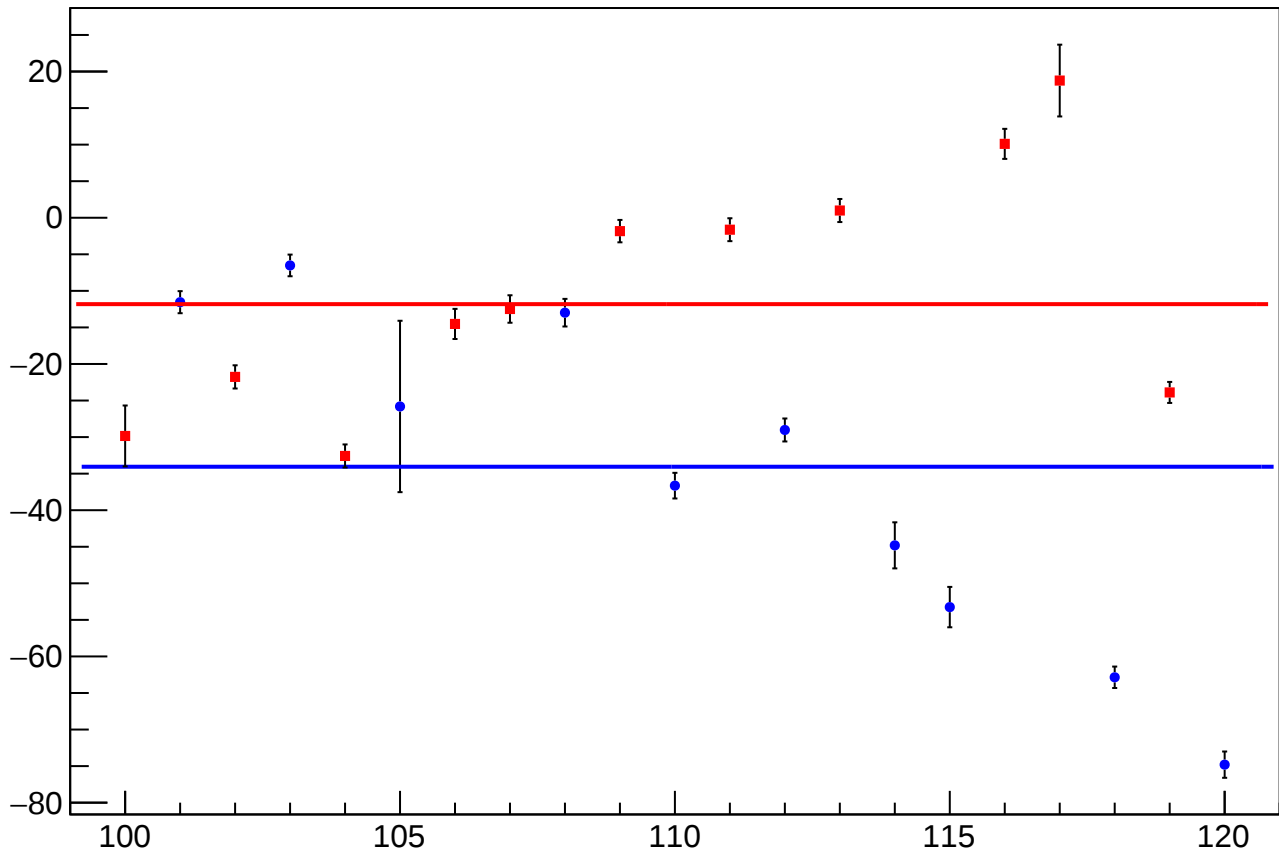
Right Out: 1086.628 $\pm$ 0.385  $\chi^2$ /NDF: 17497.4/10

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

1079.605 $\pm$ 0.410  $\chi^2$ /NDF: 15361.1/9

1086.628 $\pm$ 0.385  $\chi^2$ /NDF: 17497.4/10

# diff\_bpm2i02X\_mean vs slug



Right In: -34.054 $\pm$ 0.585  $\chi^2$ /NDF: 1664.8/9

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

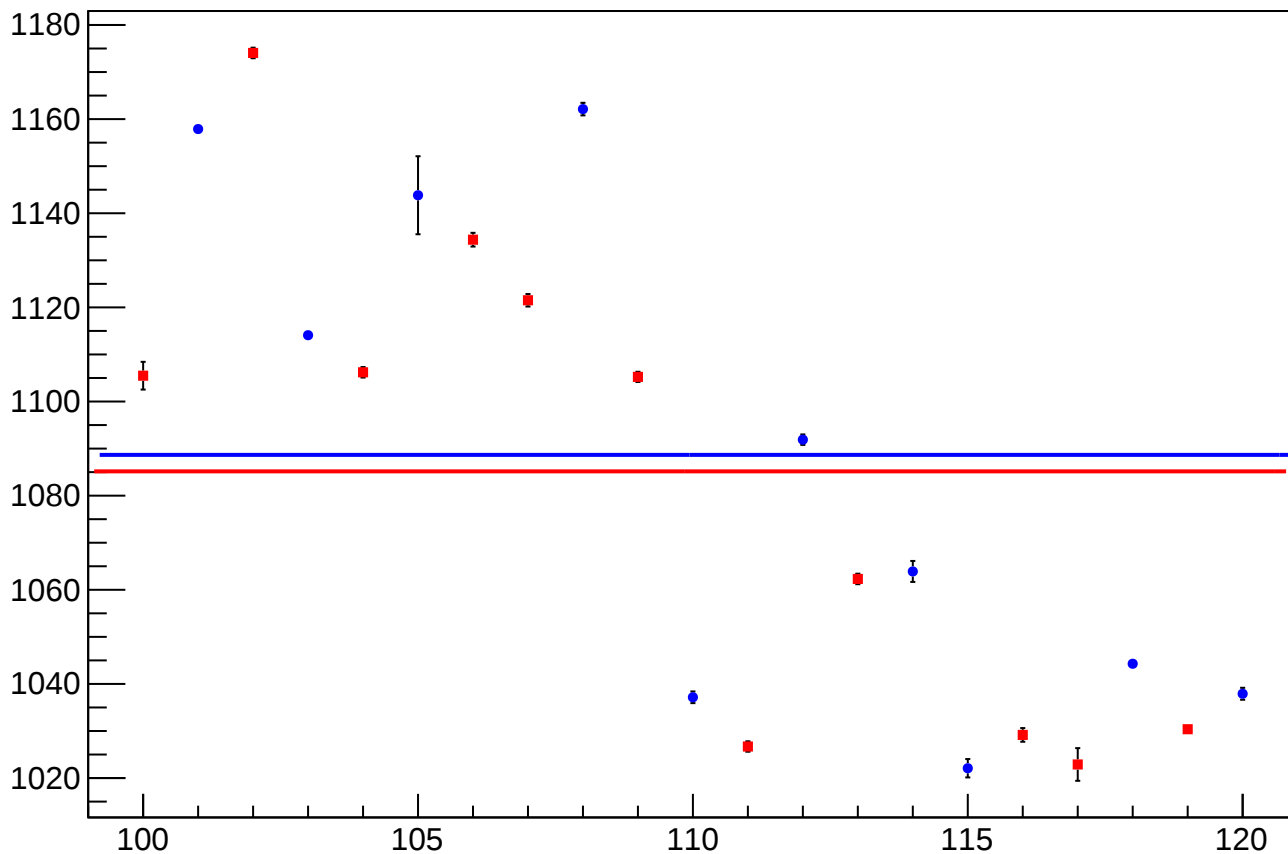
Right Out: -11.816 $\pm$ 0.544  $\chi^2$ /NDF: 607.3/10

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

-34.054 $\pm$ 0.585  $\chi^2$ /NDF: 1664.8/9

-11.816 $\pm$ 0.544  $\chi^2$ /NDF: 607.3/10

# diff\_bpm2i02X\_rms vs slug



Right In: 1088.664 $\pm$ 0.414  $\chi^2$ /NDF: 14315.6/9

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

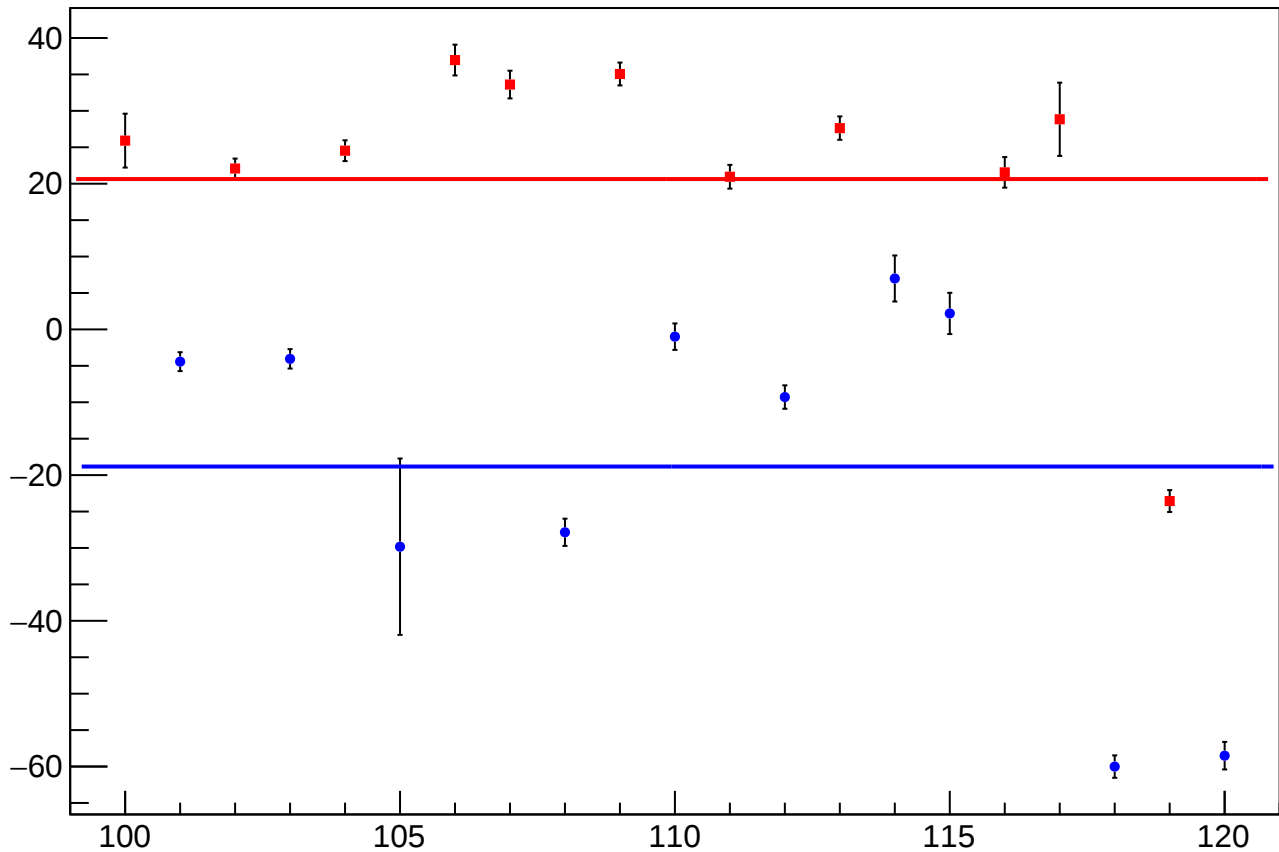
Right Out: 1085.161 $\pm$ 0.385  $\chi^2$ /NDF: 16831.4/10

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

1088.664 $\pm$ 0.414  $\chi^2$ /NDF: 14315.6/9

1085.161 $\pm$ 0.385  $\chi^2$ /NDF: 16831.4/10

# diff\_bpm2i02Y\_mean vs slug



Right In:  $-18.823 \pm 0.571$   $\chi^2/\text{NDF}$ : 1681.6/9

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

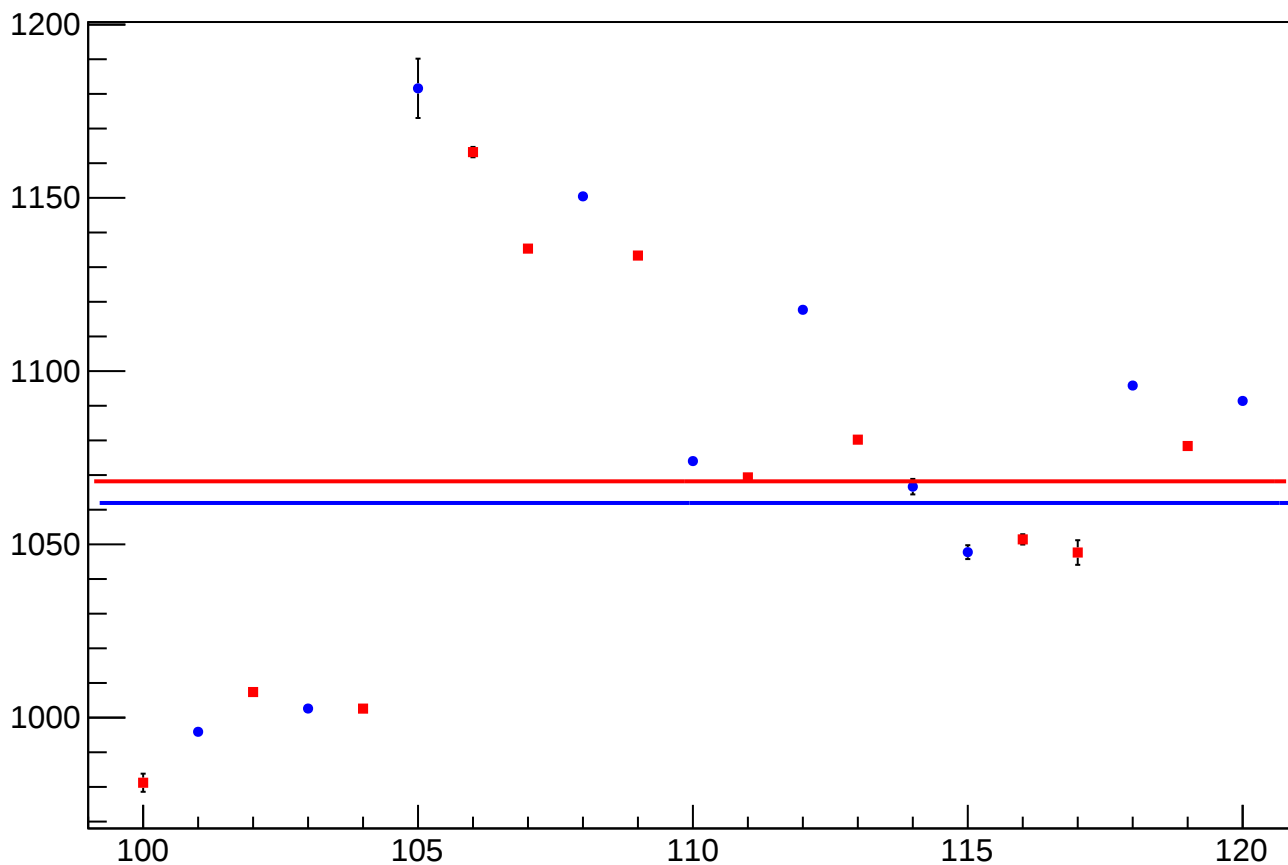
Right Out:  $20.638 \pm 0.536$   $\chi^2/\text{NDF}$ : 1086.8/10

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

$-18.823 \pm 0.571$   $\chi^2/\text{NDF}$ : 1681.6/9

$20.638 \pm 0.536$   $\chi^2/\text{NDF}$ : 1086.8/10

# diff\_bpm2i02Y\_rms vs slug



Right In: 1061.948 $\pm$ 0.404  $\chi^2$ /NDF: 17824.5/9

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

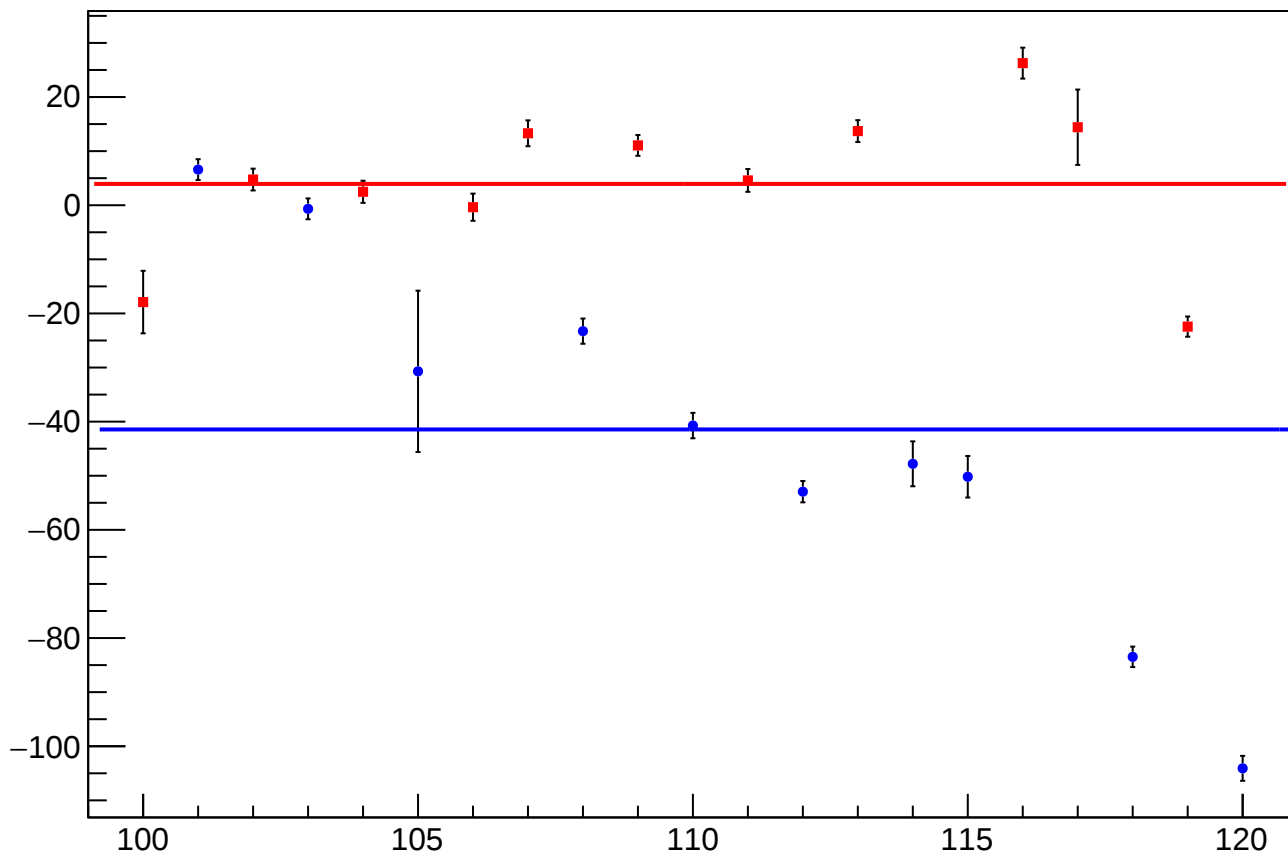
Right Out: 1068.193 $\pm$ 0.379  $\chi^2$ /NDF: 19662.6/10

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

1061.948 $\pm$ 0.404  $\chi^2$ /NDF: 17824.5/9

1068.193 $\pm$ 0.379  $\chi^2$ /NDF: 19662.6/10

# diff\_bpm0i02X\_mean vs slug



Right In:  $-41.443 \pm 0.754$   $\chi^2/\text{NDF}$ : 2408.1/9

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

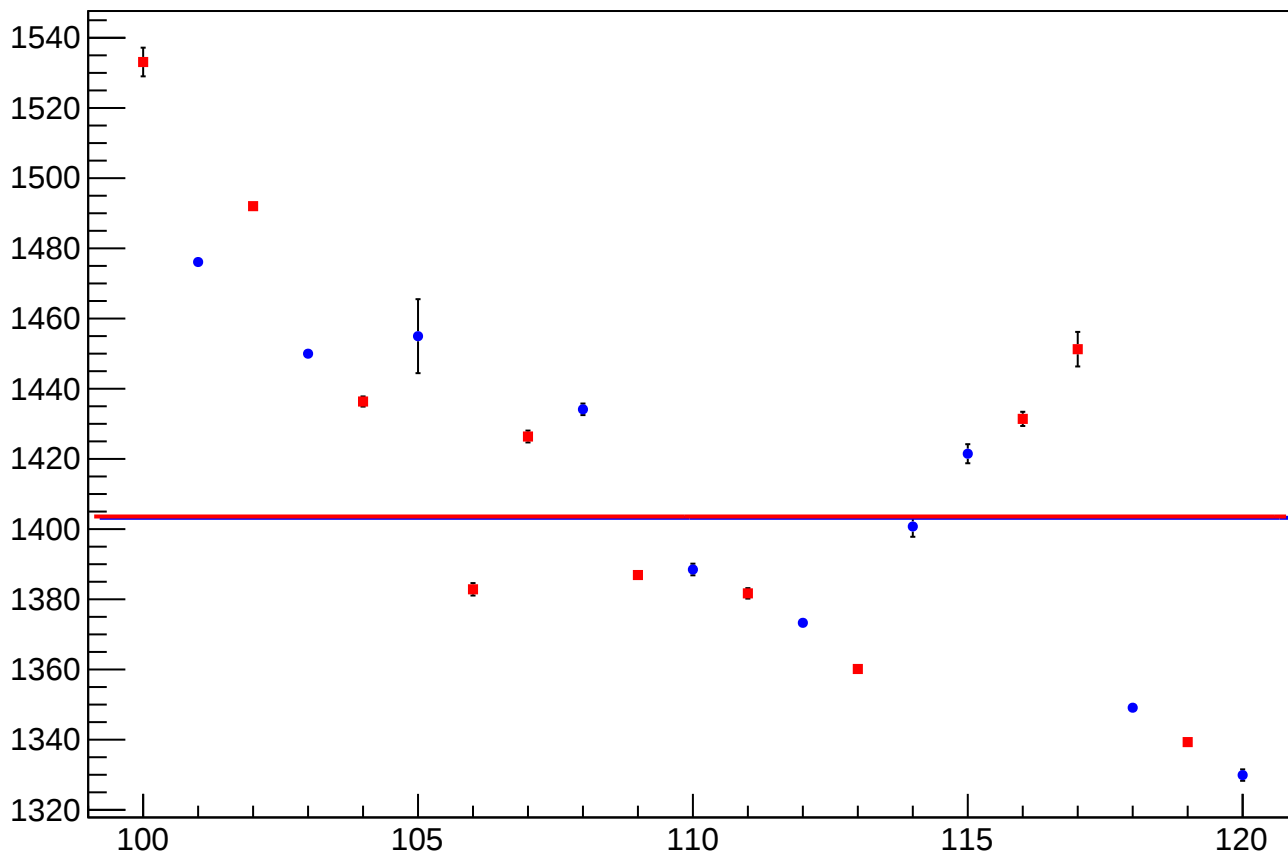
Right Out:  $3.943 \pm 0.704$   $\chi^2/\text{NDF}$ : 333.2/10

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

$-41.443 \pm 0.754$   $\chi^2/\text{NDF}$ : 2408.1/9

$3.943 \pm 0.704$   $\chi^2/\text{NDF}$ : 333.2/10

# diff\_bpm0i02X\_rms vs slug



Right In: 1403.222+/-0.533  $\chi^2/\text{NDF}$ : 8674.8/9

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

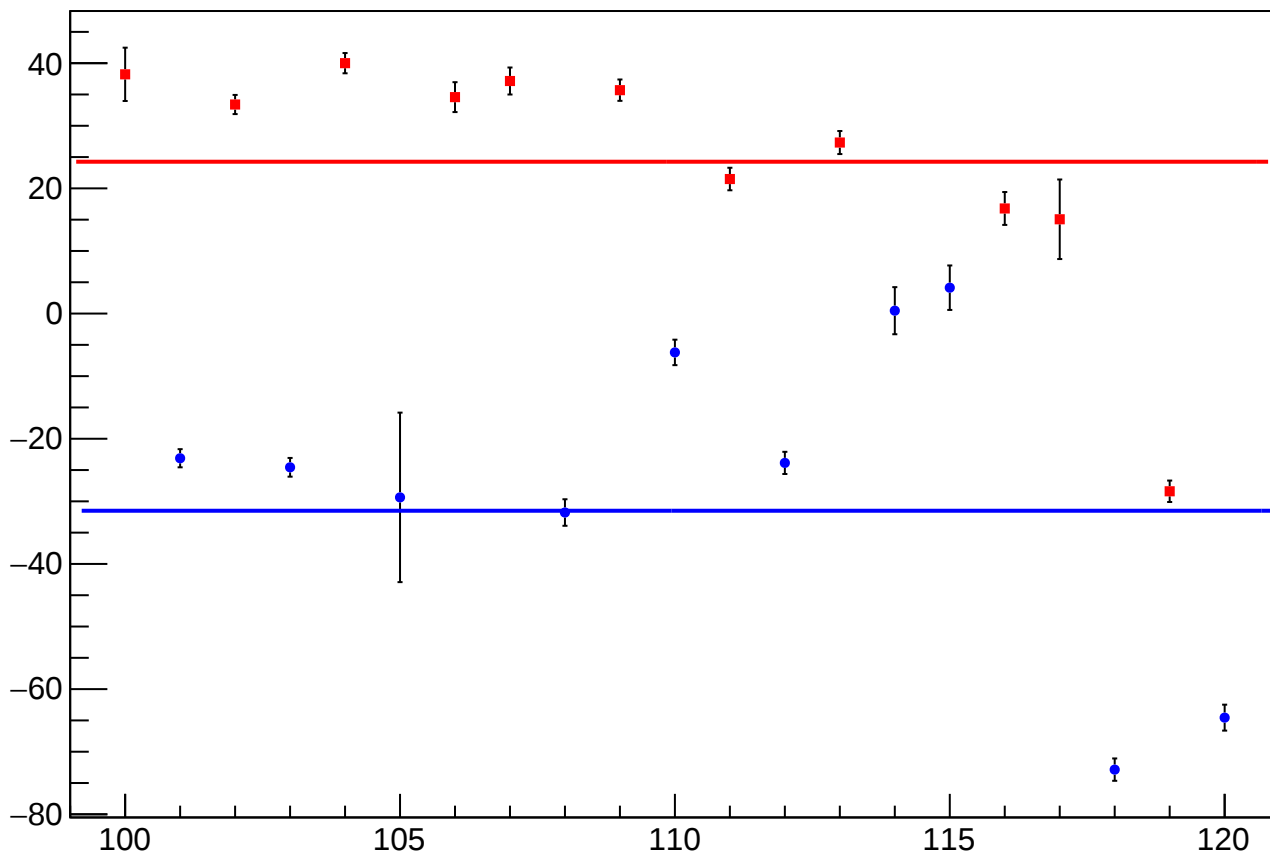
Right Out: 1403.595+/-0.498  $\chi^2/\text{NDF}$ : 9626.1/10

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

1403.222+/-0.533  $\chi^2/\text{NDF}$ : 8674.8/9

1403.595+/-0.498  $\chi^2/\text{NDF}$ : 9626.1/10

# diff\_bpm0i02Y\_mean vs slug



Right In:  $-31.503 \pm 0.644$   $\chi^2/\text{NDF}: 1192.2/9$

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

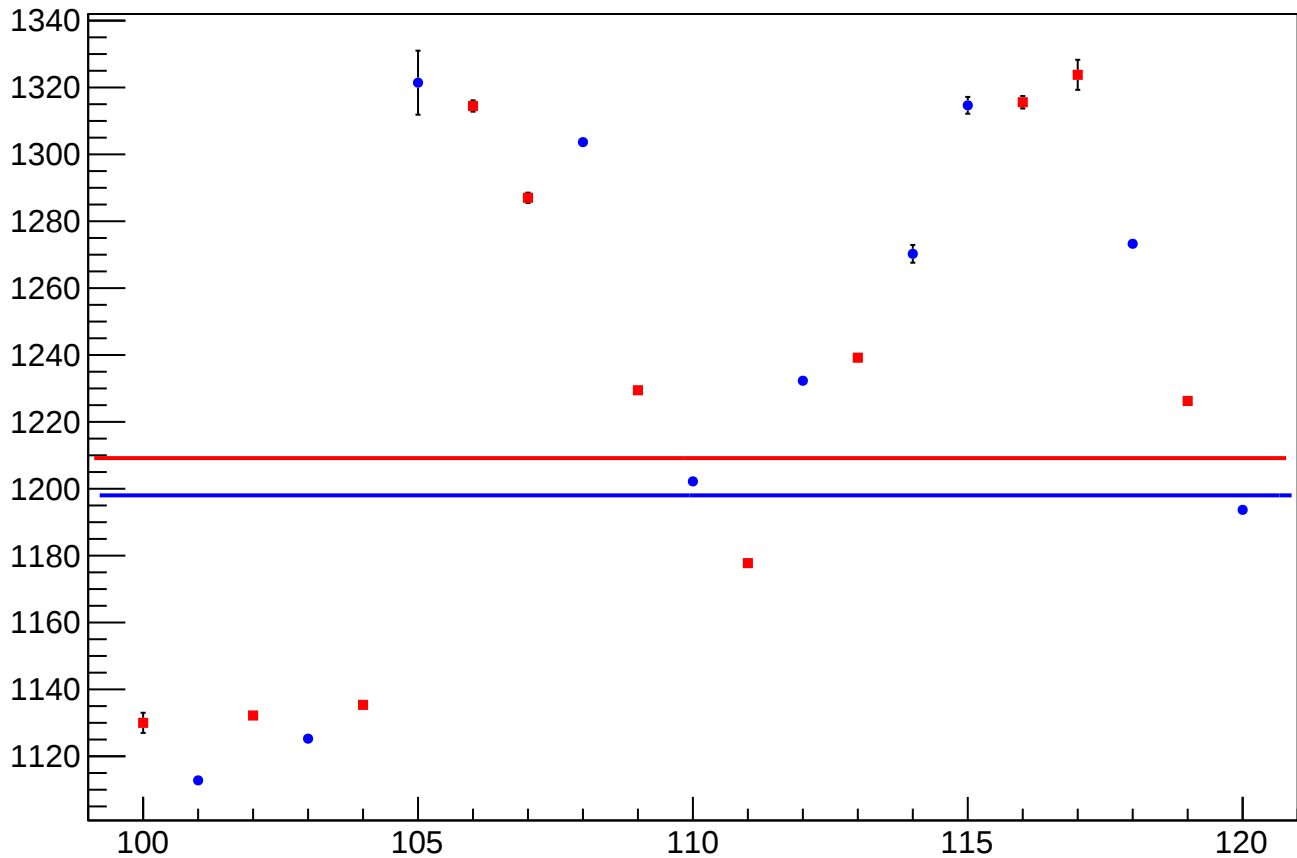
$-31.503 \pm 0.644$   $\chi^2/\text{NDF}: 1192.2/9$

Right Out:  $24.257 \pm 0.607$   $\chi^2/\text{NDF}: 1200.7/10$

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

$24.257 \pm 0.607$   $\chi^2/\text{NDF}: 1200.7/10$

# diff\_bpm0i02Y\_rms vs slug



Right In: 1198.025 $\pm$ 0.456  $\chi^2$ /NDF: 23994.1/9

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

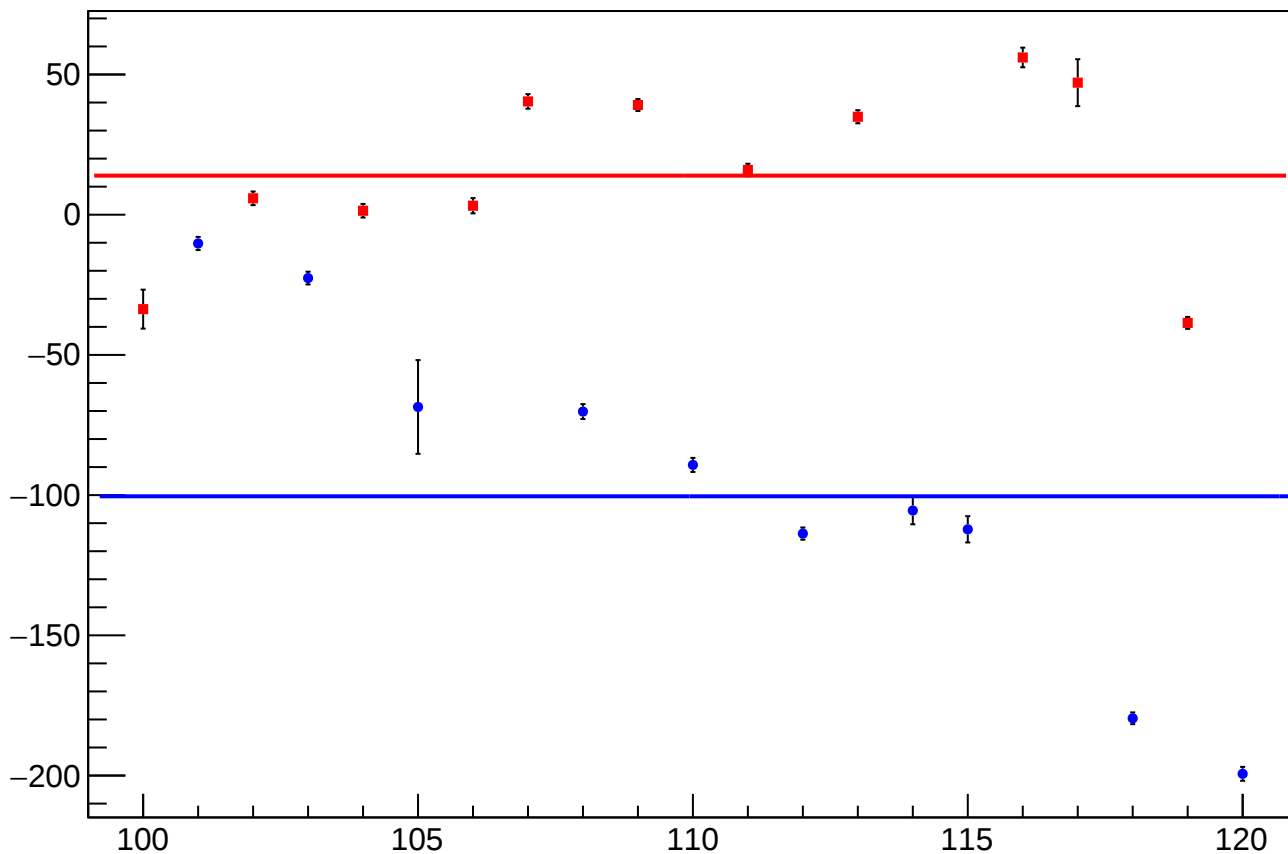
1198.025 $\pm$ 0.456  $\chi^2$ /NDF: 23994.1/9

Right Out: 1209.166 $\pm$ 0.429  $\chi^2$ /NDF: 21968.4/10

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

1209.166 $\pm$ 0.429  $\chi^2$ /NDF: 21968.4/10

# diff\_bpm0i02aX\_mean vs slug



Right In: -100.416+/-0.857  $\chi^2/\text{NDF}$ : 5844.3/9

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

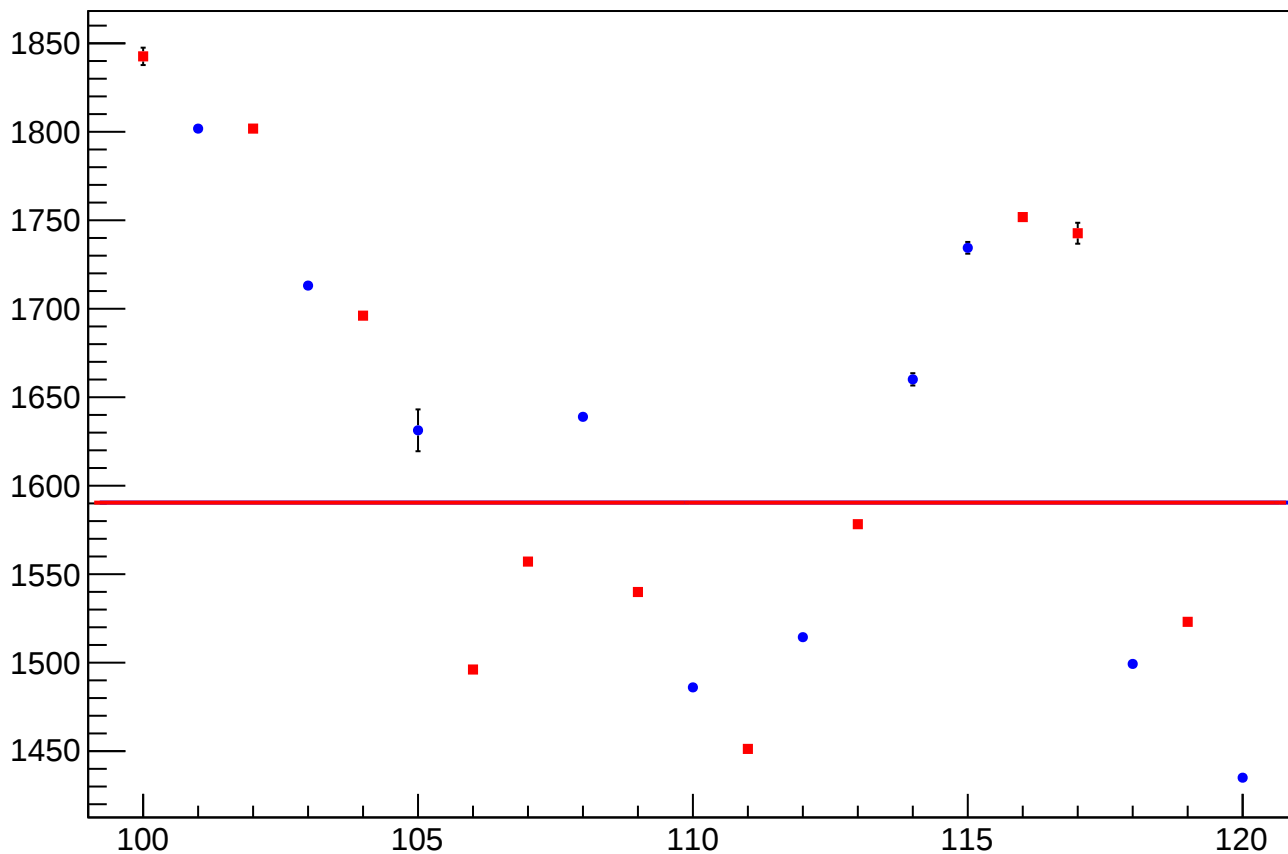
Right Out: 13.934+/-0.799  $\chi^2/\text{NDF}$ : 1195.7/10

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

-100.416+/-0.857  $\chi^2/\text{NDF}$ : 5844.3/9

13.934+/-0.799  $\chi^2/\text{NDF}$ : 1195.7/10

# diff\_bpm0i02aX\_rms vs slug



Right In: 1590.472 $\pm$ 0.606  $\chi^2$ /NDF: 42446.5/9

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

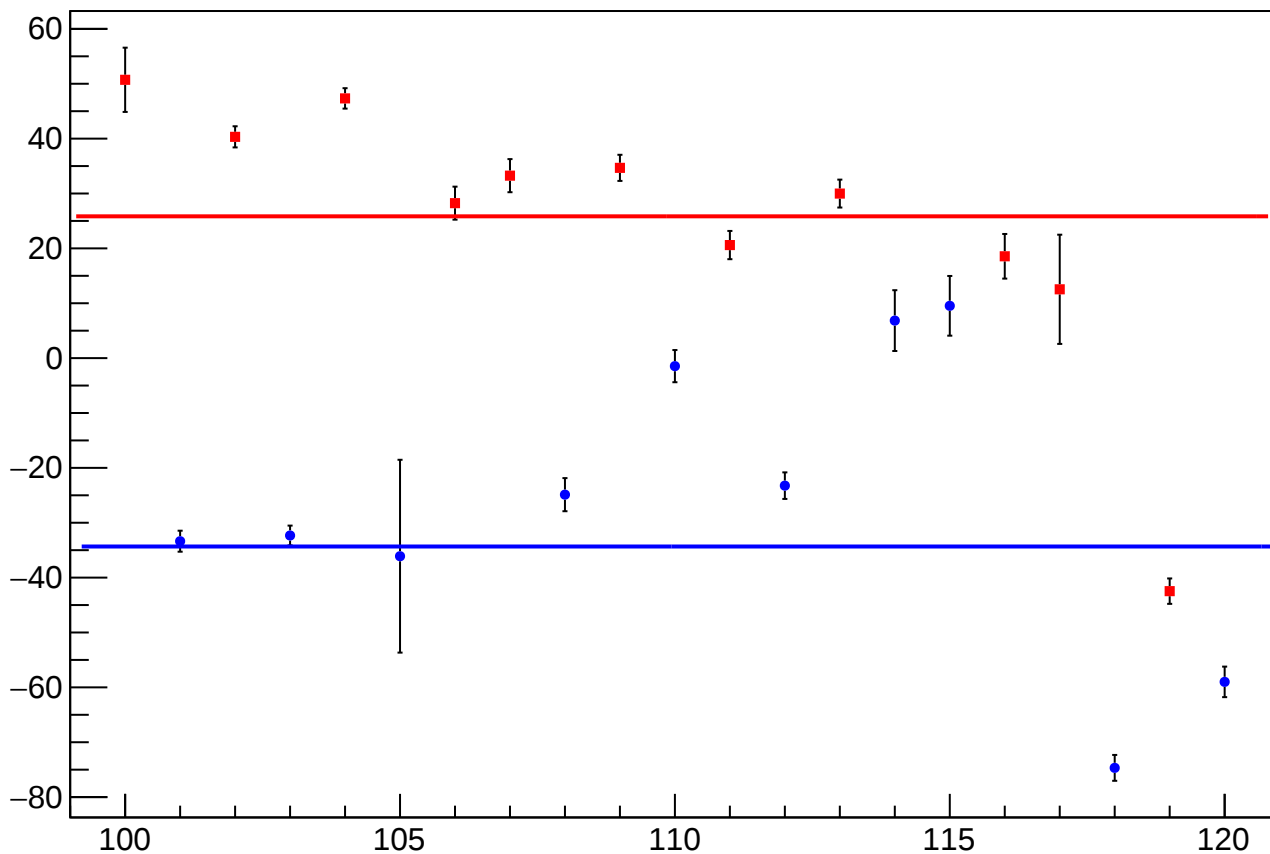
Right Out: 1590.438 $\pm$ 0.565  $\chi^2$ /NDF: 40259.2/10

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

1590.472 $\pm$ 0.606  $\chi^2$ /NDF: 42446.5/9

1590.438 $\pm$ 0.565  $\chi^2$ /NDF: 40259.2/10

# diff\_bpm0i02aY\_mean vs slug



Right In:  $-34.330 \pm 0.858$   $\chi^2/\text{NDF}$ : 649.8/9

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

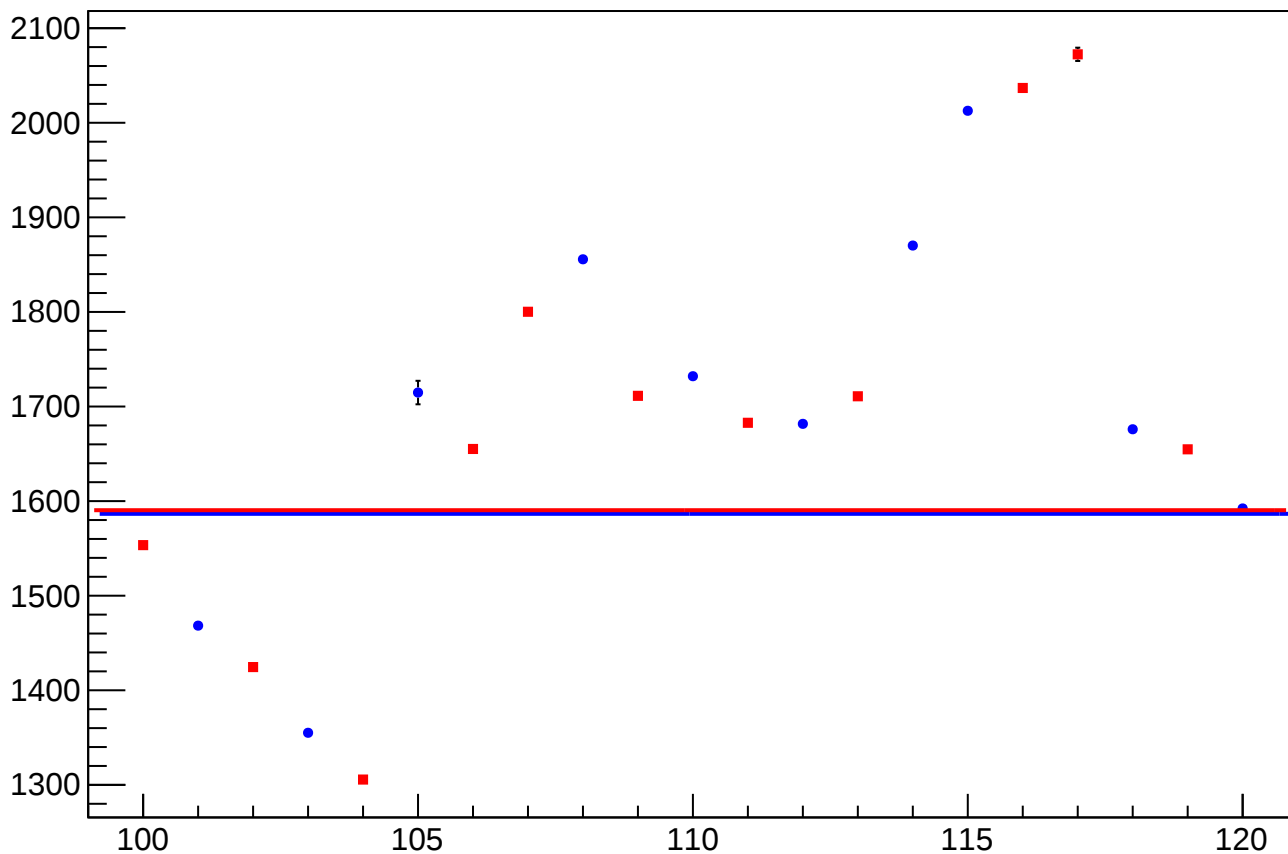
Right Out:  $25.840 \pm 0.804$   $\chi^2/\text{NDF}$ : 1111.1/10

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

$-34.330 \pm 0.858$   $\chi^2/\text{NDF}$ : 649.8/9

$25.840 \pm 0.804$   $\chi^2/\text{NDF}$ : 1111.1/10

diff\_bpm0i02aY\_rms vs slug



Right In: 1586.562+/-0.607  $\chi^2/\text{NDF}$ : 85075.9/9

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

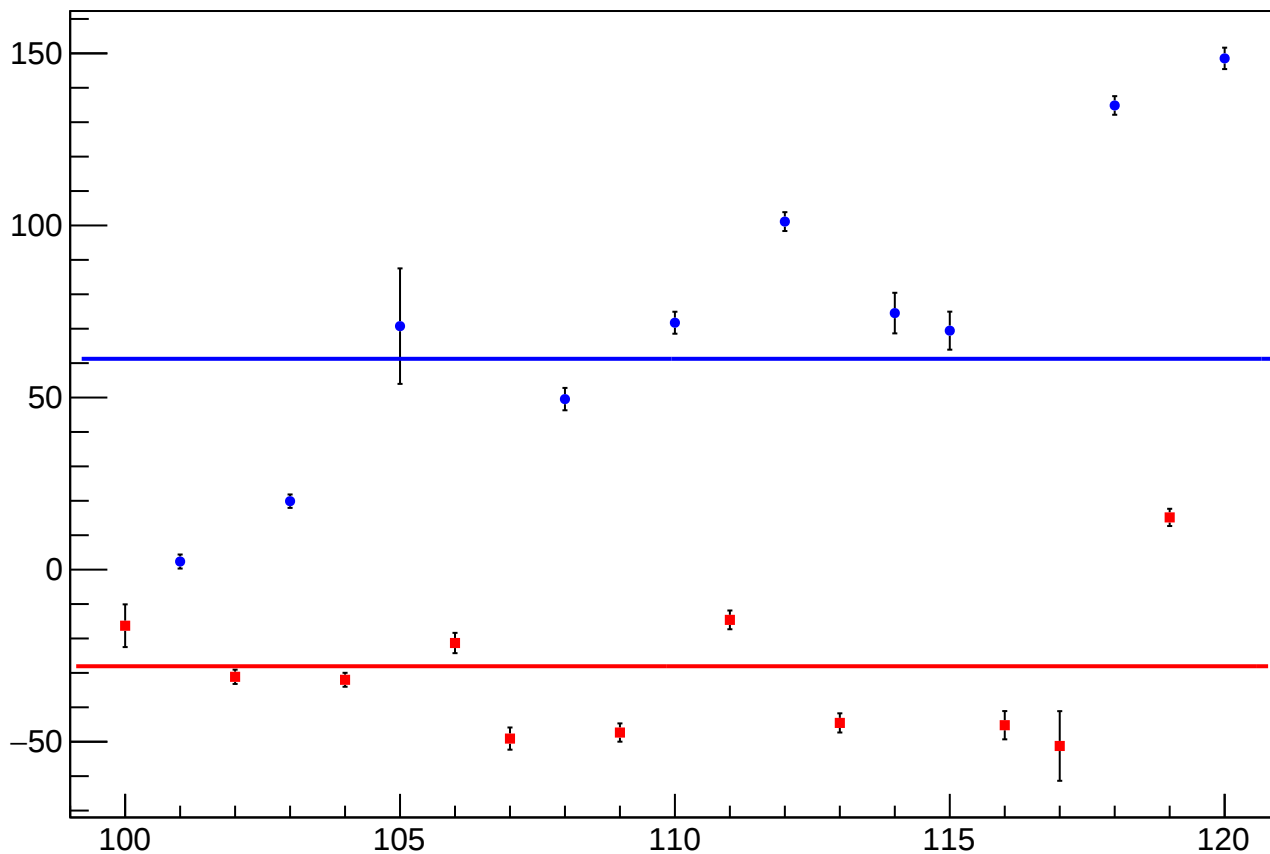
1586.562+/-0.607  $\chi^2/\text{NDF}$ : 85075.9/9

Right Out: 1590.386+/-0.568  $\chi^2/\text{NDF}$ : 114883.8/10

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

1590.386+/-0.568  $\chi^2/\text{NDF}$ : 114883.8/10

# diff\_bpm0i05X\_mean vs slug



Right In: 61.256+/-0.939  $\chi^2$ /NDF: 3053.2/9

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

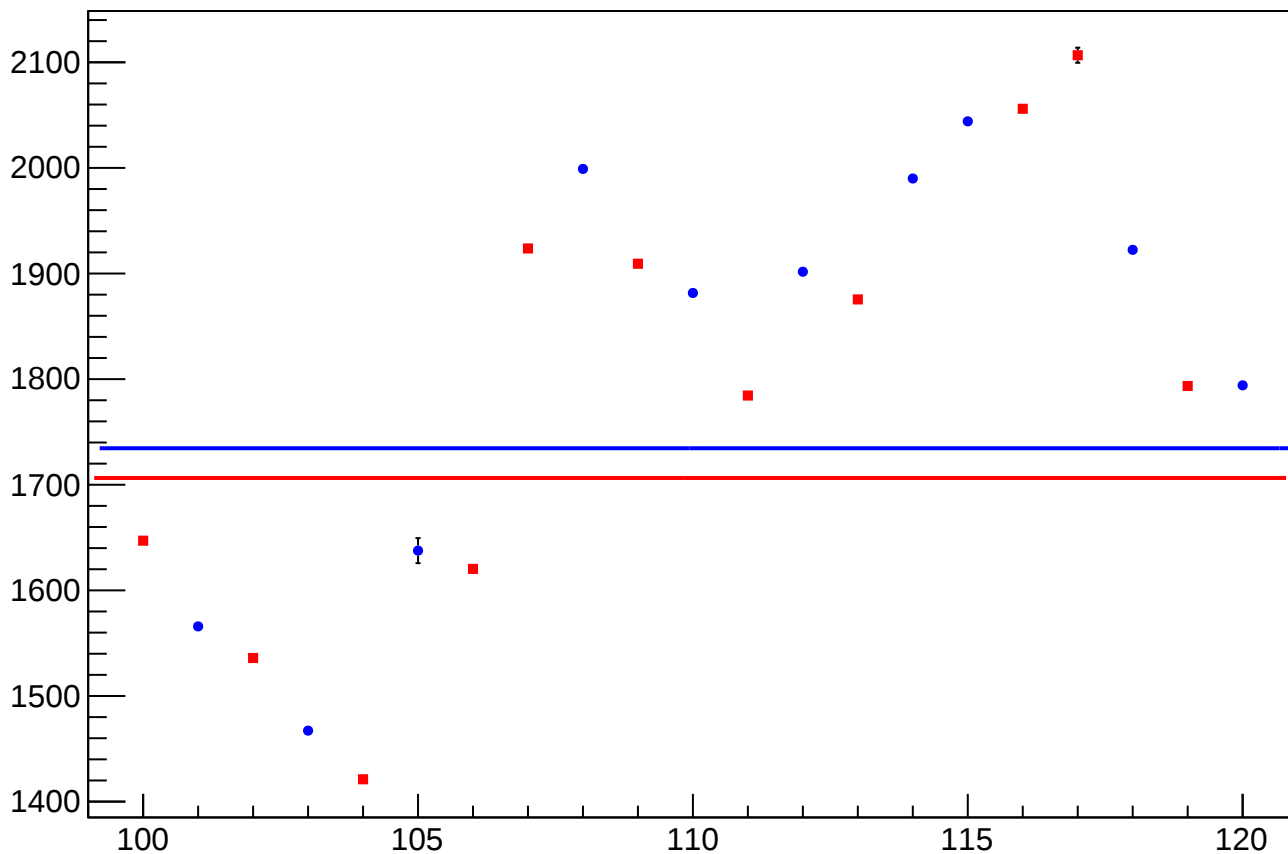
Right Out: -28.068+/-0.862  $\chi^2$ /NDF: 490.0/10

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

61.256+/-0.939  $\chi^2$ /NDF: 3053.2/9

-28.068+/-0.862  $\chi^2$ /NDF: 490.0/10

# diff\_bpm0i05X\_rms vs slug



Right In: 1734.566 $\pm$ 0.664  $\chi^2$ /NDF: 96634.8/9

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

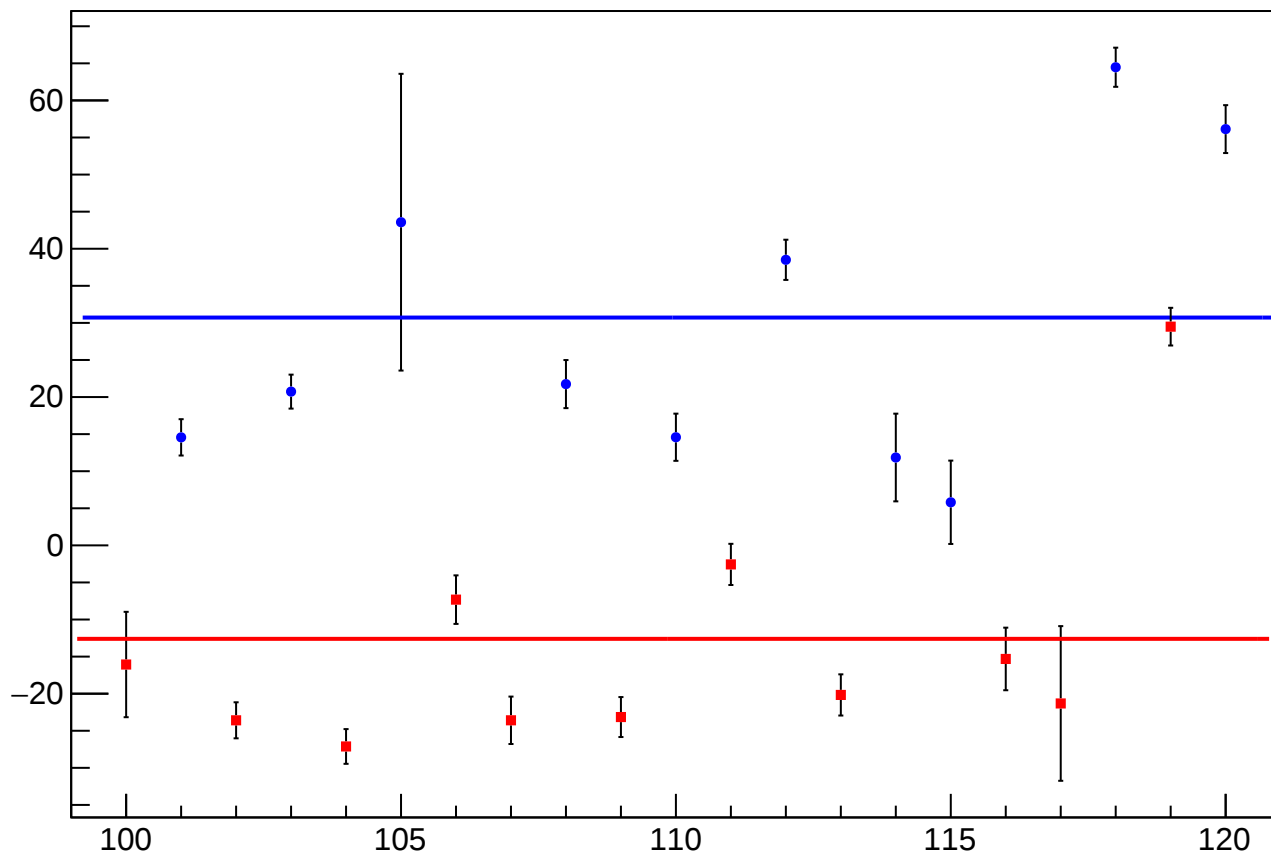
1734.566 $\pm$ 0.664  $\chi^2$ /NDF: 96634.8/9

Right Out: 1706.434 $\pm$ 0.609  $\chi^2$ /NDF: 104834.1/10

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

1706.434 $\pm$ 0.609  $\chi^2$ /NDF: 104834.1/10

# diff\_bpm0i05Y\_mean vs slug



Right In: 30.720+/-1.005  $\chi^2/\text{NDF}$ : 359.8/9

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

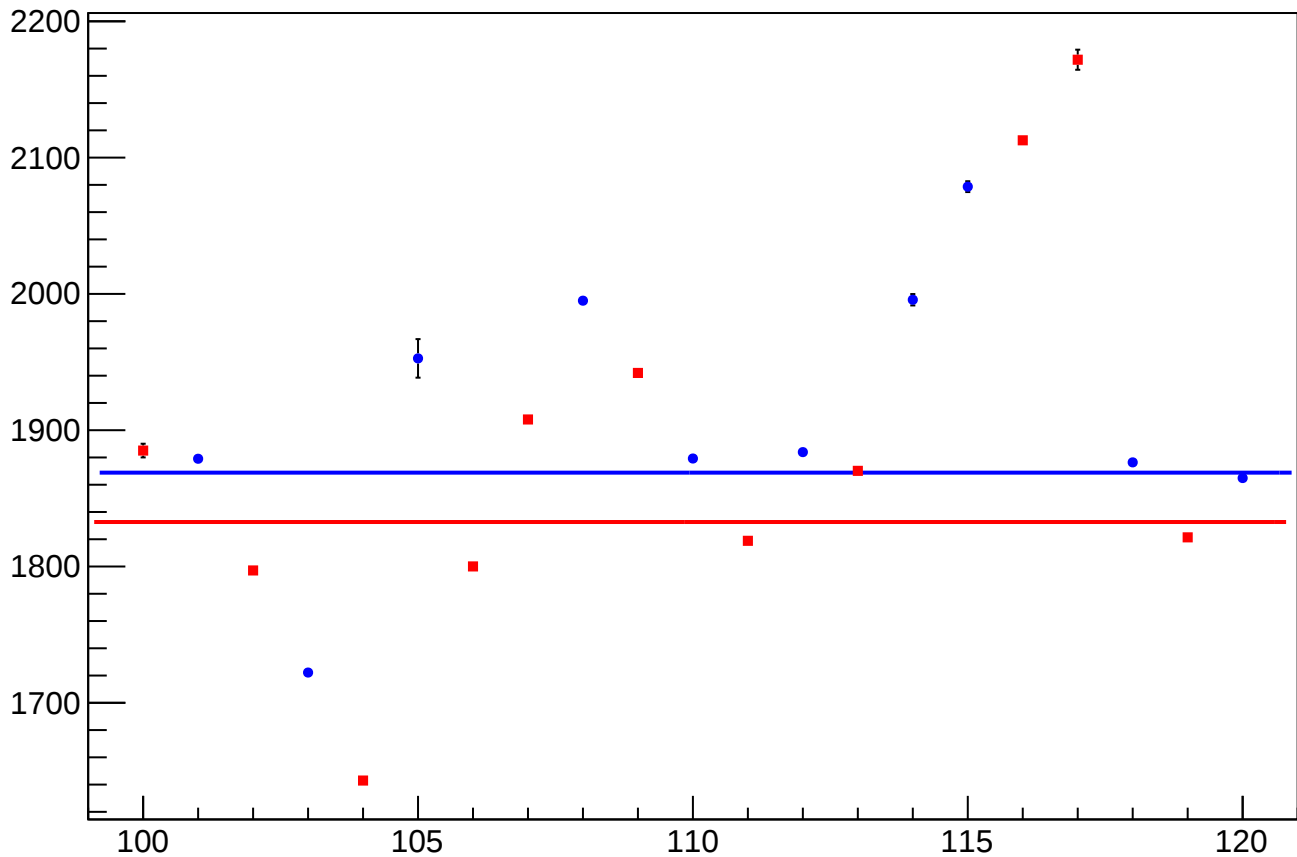
Right Out: -12.605+/-0.921  $\chi^2/\text{NDF}$ : 384.8/10

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

30.720+/-1.005  $\chi^2/\text{NDF}$ : 359.8/9

-12.605+/-0.921  $\chi^2/\text{NDF}$ : 384.8/10

# diff\_bpm0i05Y\_rms vs slug



Right In: 1868.866 $\pm$ 0.711  $\chi^2$ /NDF: 15110.8/9

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

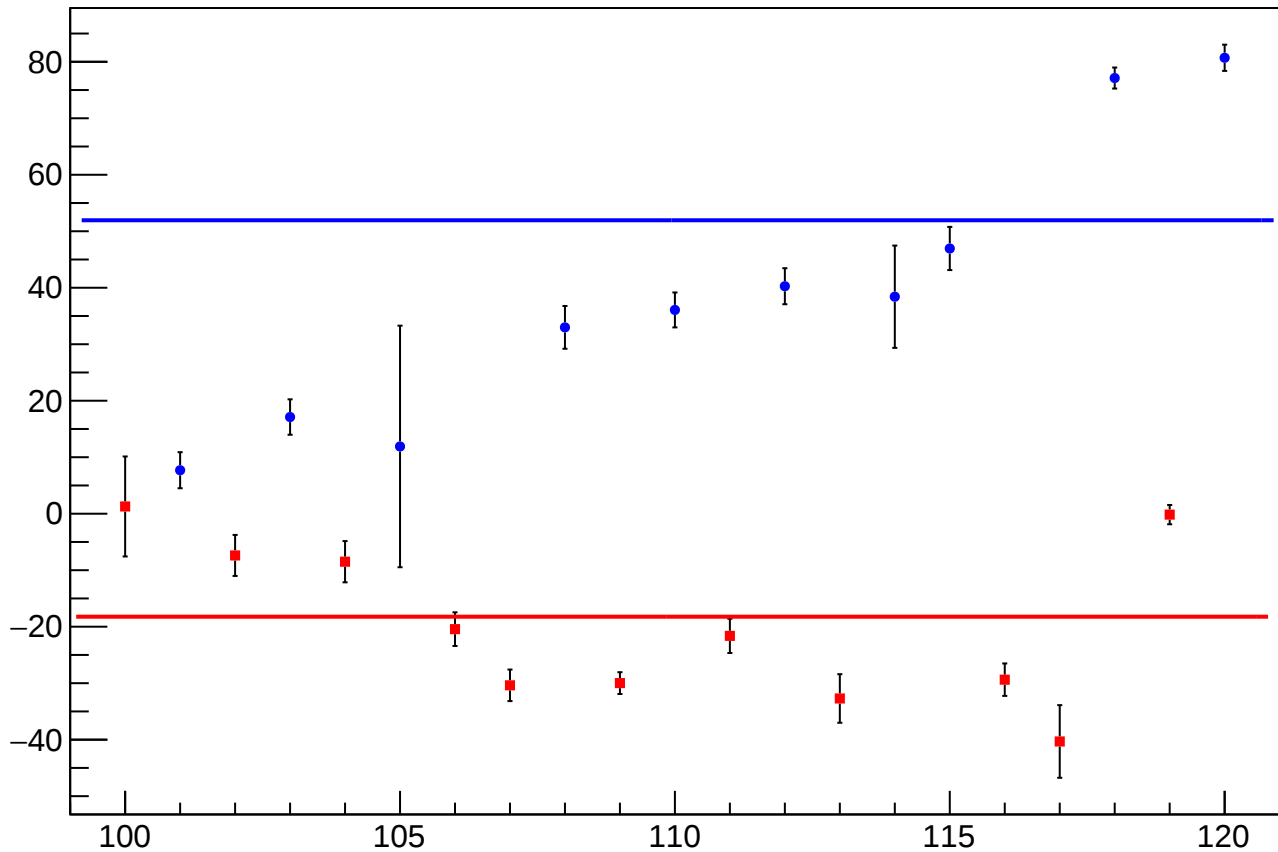
Right Out: 1832.646 $\pm$ 0.651  $\chi^2$ /NDF: 29633.4/10

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

1868.866 $\pm$ 0.711  $\chi^2$ /NDF: 15110.8/9

1832.646 $\pm$ 0.651  $\chi^2$ /NDF: 29633.4/10

# diff\_bpm0i07X\_mean vs slug



Right In: 51.945+/-0.986  $\chi^2/\text{NDF}$ : 724.1/9

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

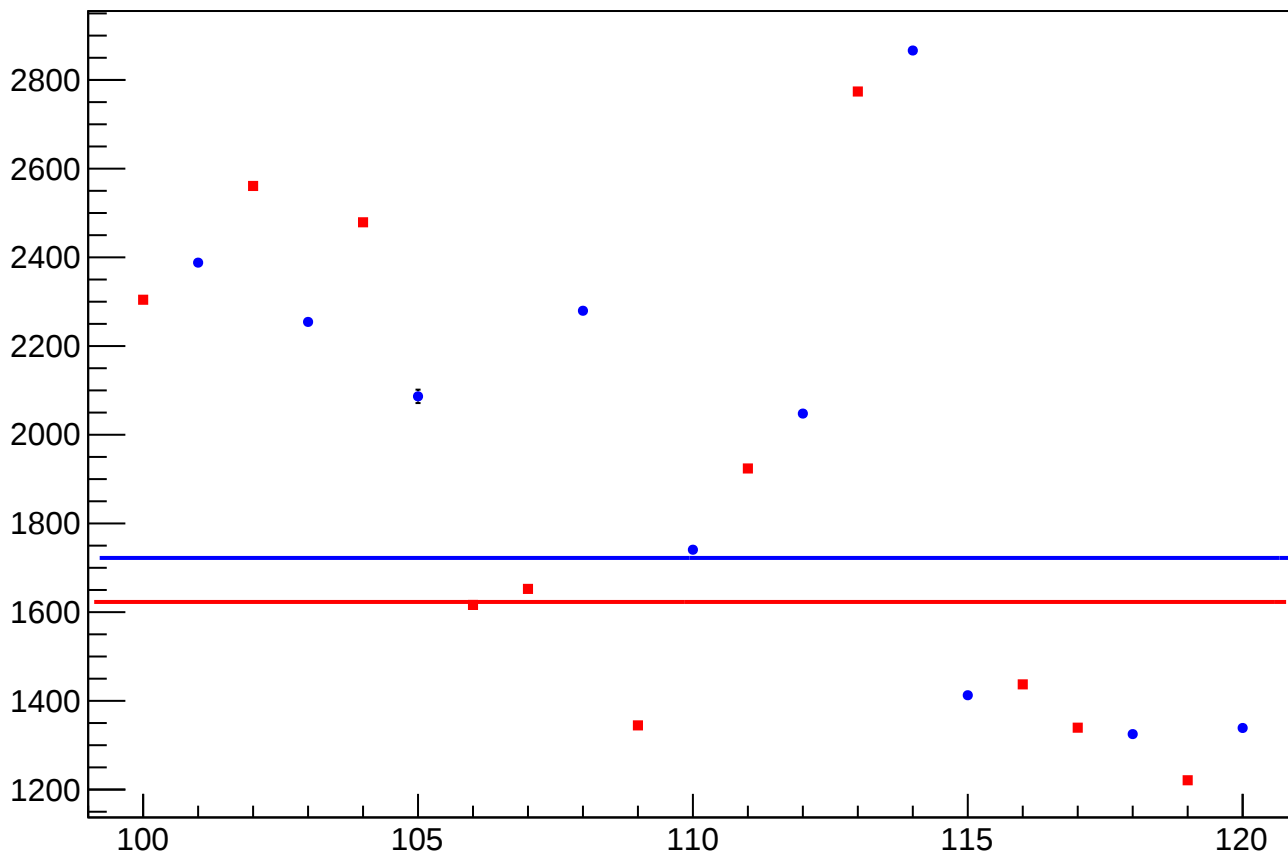
Right Out: -18.231+/-0.869  $\chi^2/\text{NDF}$ : 228.9/10

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

51.945+/-0.986  $\chi^2/\text{NDF}$ : 724.1/9

-18.231+/-0.869  $\chi^2/\text{NDF}$ : 228.9/10

# diff\_bpm0i07X\_rms vs slug



Right In: 1722.246 $\pm$ 0.697  $\chi^2$ /NDF: 400080.0/9

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

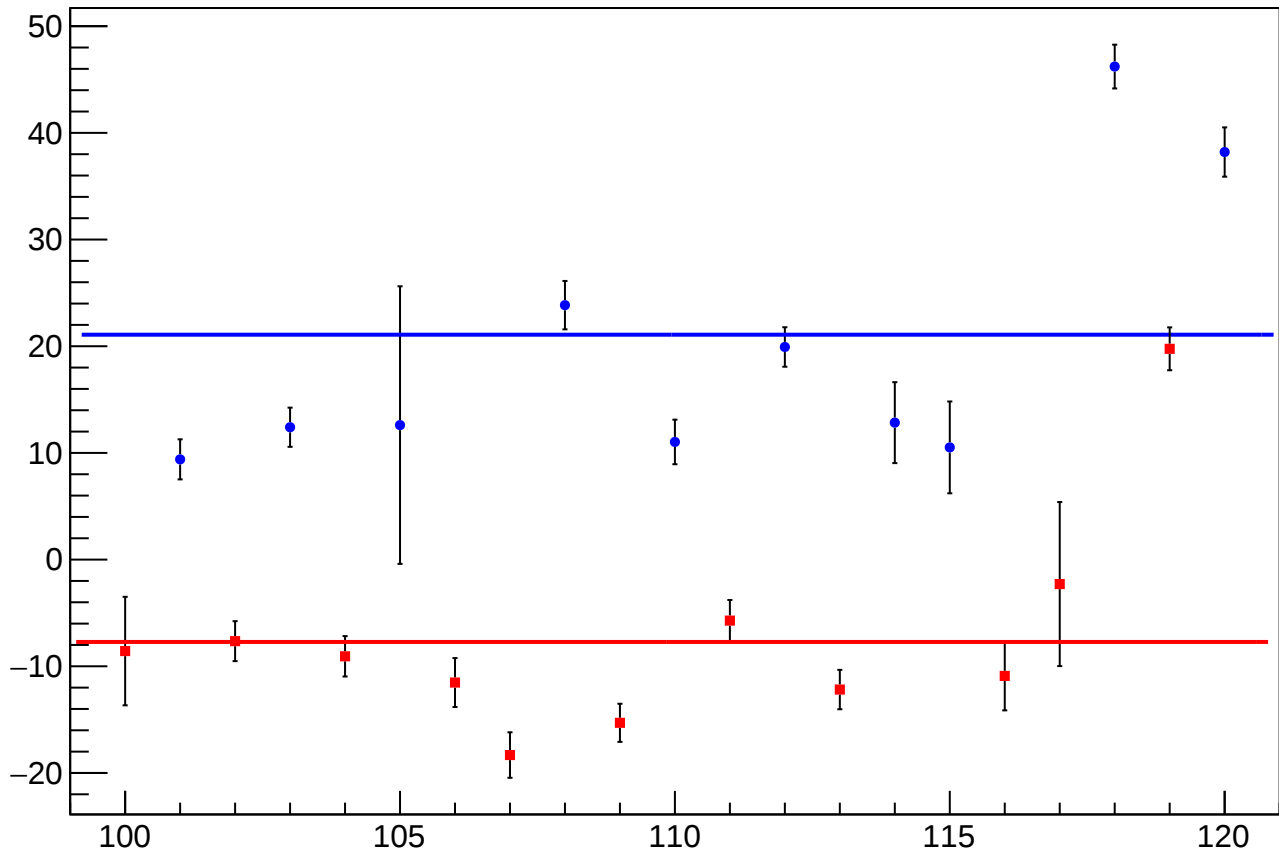
Right Out: 1623.000 $\pm$ 0.614  $\chi^2$ /NDF: 582998.4/10

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

1722.246 $\pm$ 0.697  $\chi^2$ /NDF: 400080.0/9

1623.000 $\pm$ 0.614  $\chi^2$ /NDF: 582998.4/10

# diff\_bpm0i07Y\_mean vs slug



Right In: 21.081 $\pm$ 0.735  $\chi^2$ /NDF: 302.1/9

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

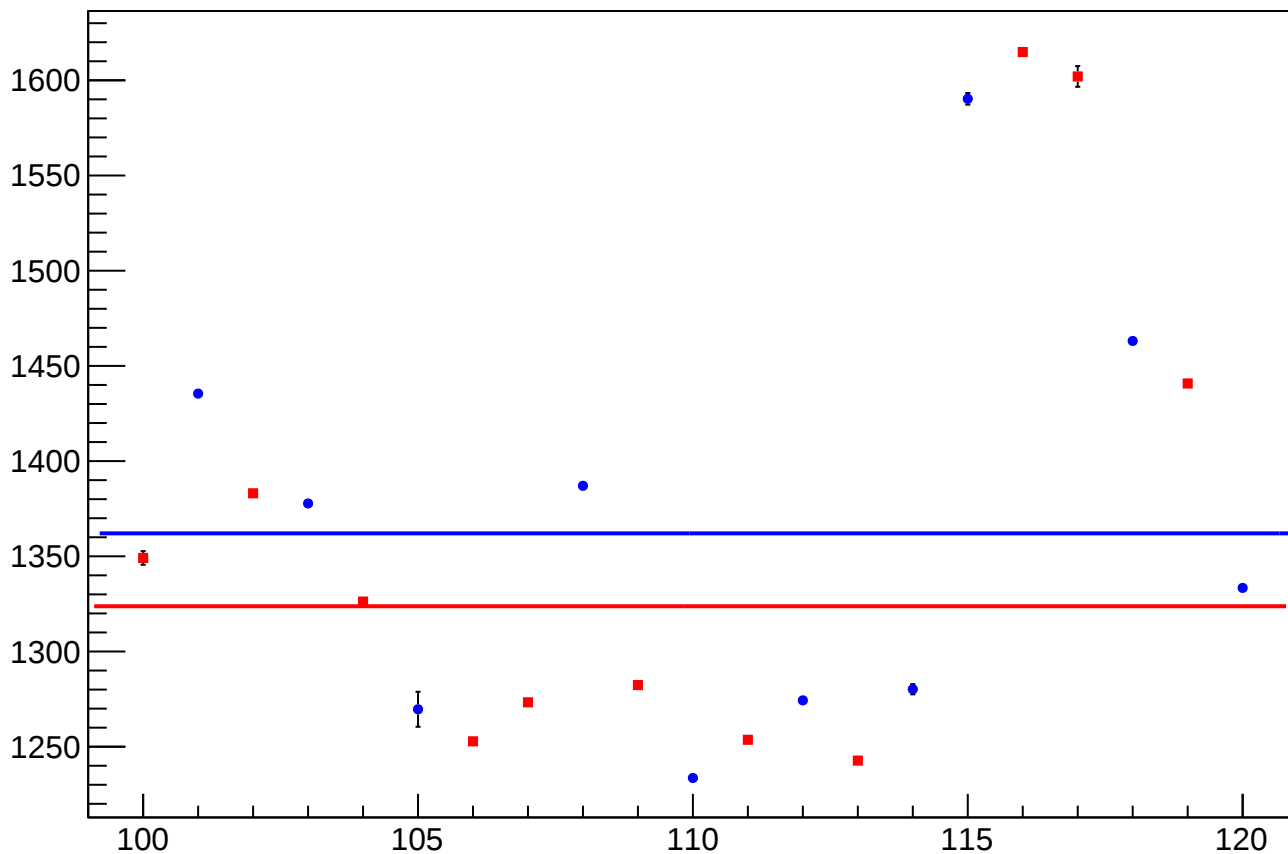
Right Out: -7.719 $\pm$ 0.667  $\chi^2$ /NDF: 241.2/10

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

21.081 $\pm$ 0.735  $\chi^2$ /NDF: 302.1/9

-7.719 $\pm$ 0.667  $\chi^2$ /NDF: 241.2/10

diff\_bpm0i07Y\_rms vs slug



Right In: 1362.049 $\pm$ 0.520  $\chi^2$ /NDF: 27310.7/9

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

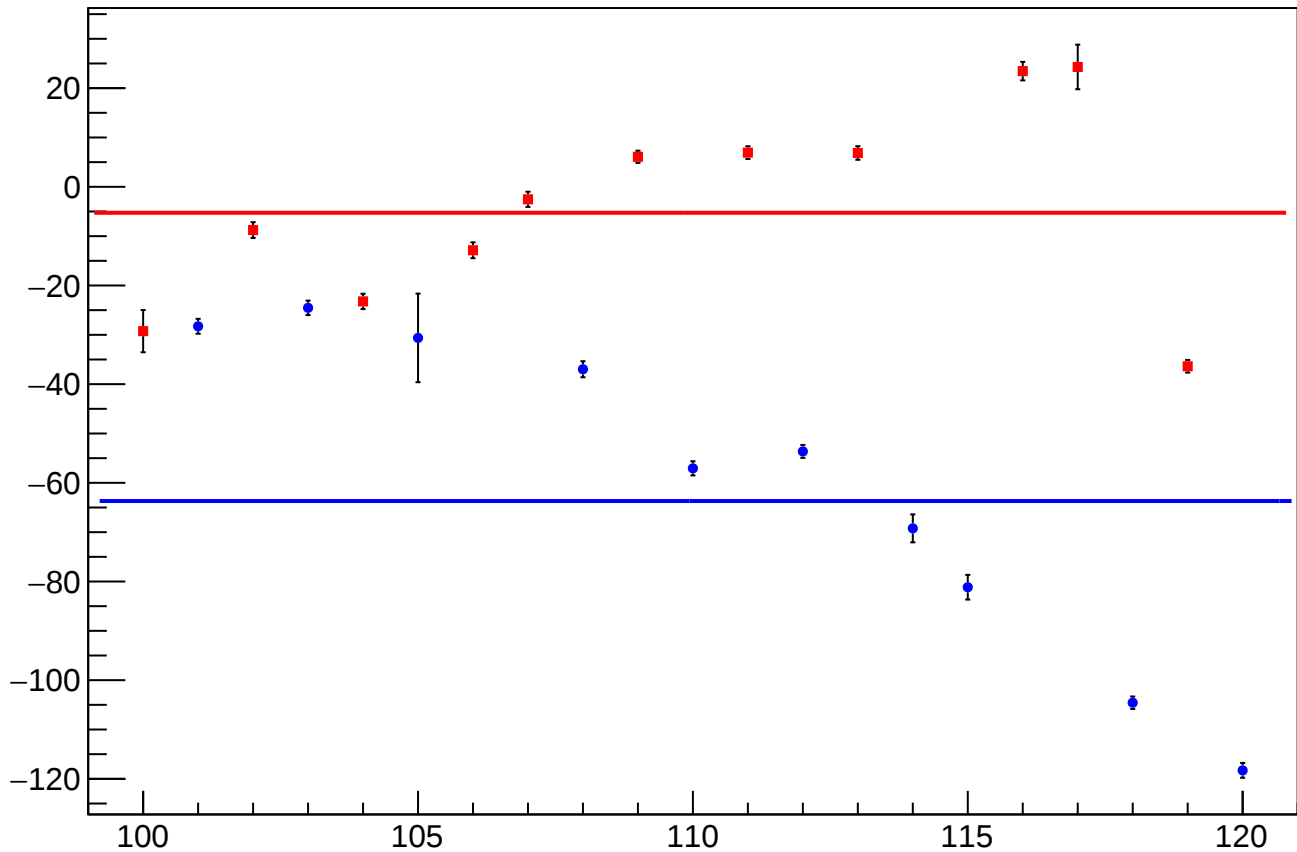
Right Out: 1323.771 $\pm$ 0.472  $\chi^2$ /NDF: 38297.6/10

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

1362.049 $\pm$ 0.520  $\chi^2$ /NDF: 27310.7/9

1323.771 $\pm$ 0.472  $\chi^2$ /NDF: 38297.6/10

# diff\_bpm1i02X\_mean vs slug



Right In: -63.686+/-0.519  $\chi^2/\text{NDF}$ : 4045.7/9

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

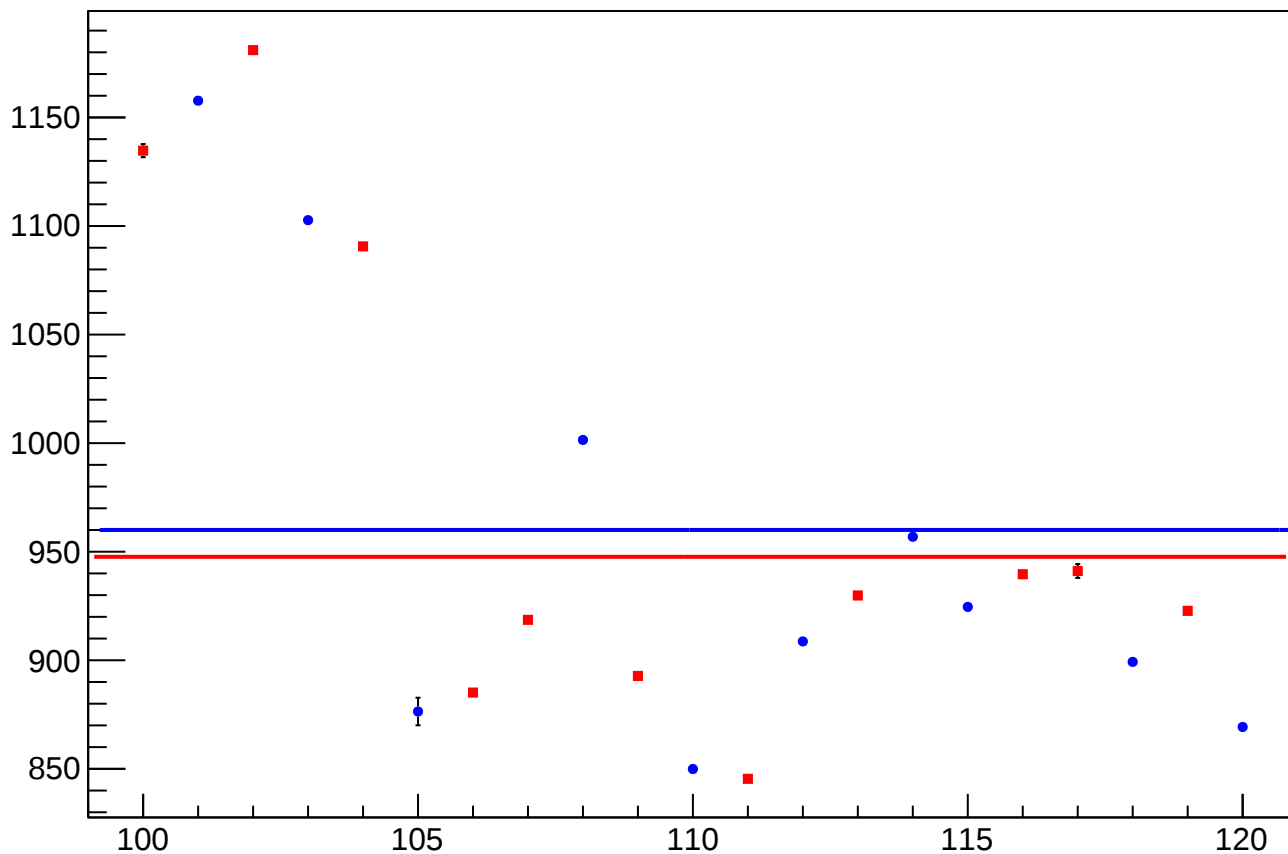
-63.686+/-0.519  $\chi^2/\text{NDF}$ : 4045.7/9

Right Out: -5.260+/-0.478  $\chi^2/\text{NDF}$ : 1307.7/10

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

-5.260+/-0.478  $\chi^2/\text{NDF}$ : 1307.7/10

# diff\_bpm1i02X\_rms vs slug



Right In: 960.022 $\pm$ 0.367  $\chi^2$ /NDF: 81823.5/9

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

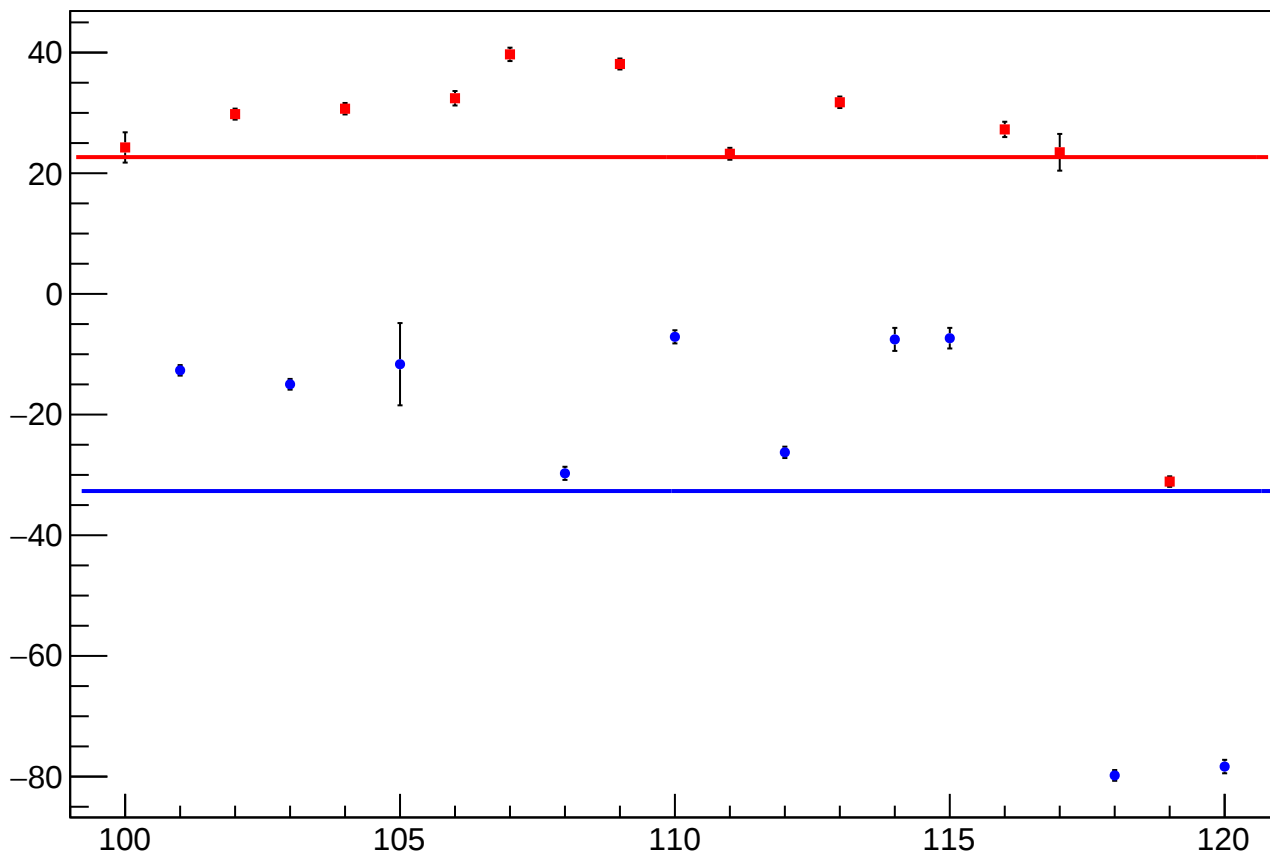
Right Out: 947.656 $\pm$ 0.338  $\chi^2$ /NDF: 84740.1/10

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

960.022 $\pm$ 0.367  $\chi^2$ /NDF: 81823.5/9

947.656 $\pm$ 0.338  $\chi^2$ /NDF: 84740.1/10

# diff\_bpm1i02Y\_mean vs slug



Right In: -32.674 $\pm$ 0.352  $\chi^2$ /NDF: 6389.7/9

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

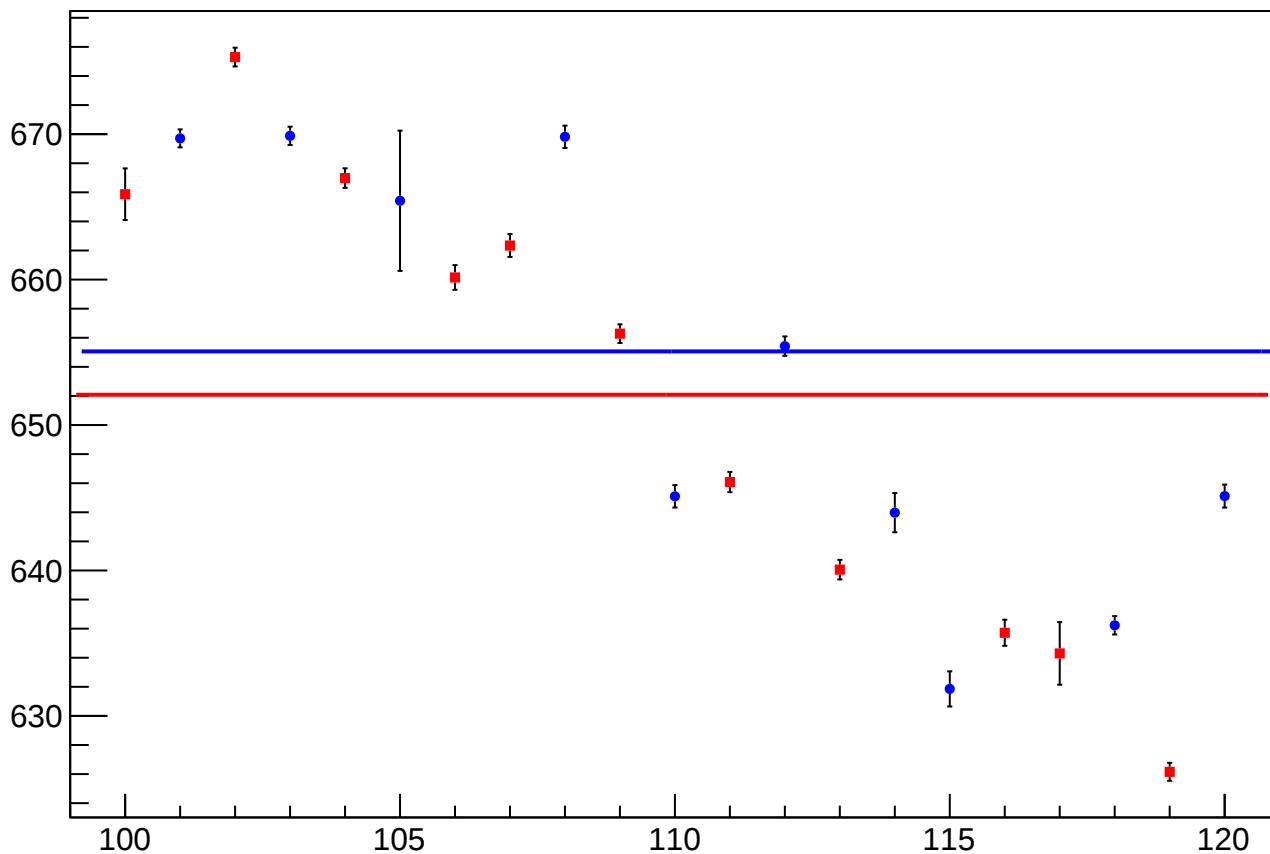
Right Out: 22.673 $\pm$ 0.327  $\chi^2$ /NDF: 4621.6/10

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

-32.674 $\pm$ 0.352  $\chi^2$ /NDF: 6389.7/9

22.673 $\pm$ 0.327  $\chi^2$ /NDF: 4621.6/10

# diff\_bpm1i02Y\_rms vs slug



Right In: 655.062 $\pm$ 0.249  $\chi^2$ /NDF: 3144.8/9

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

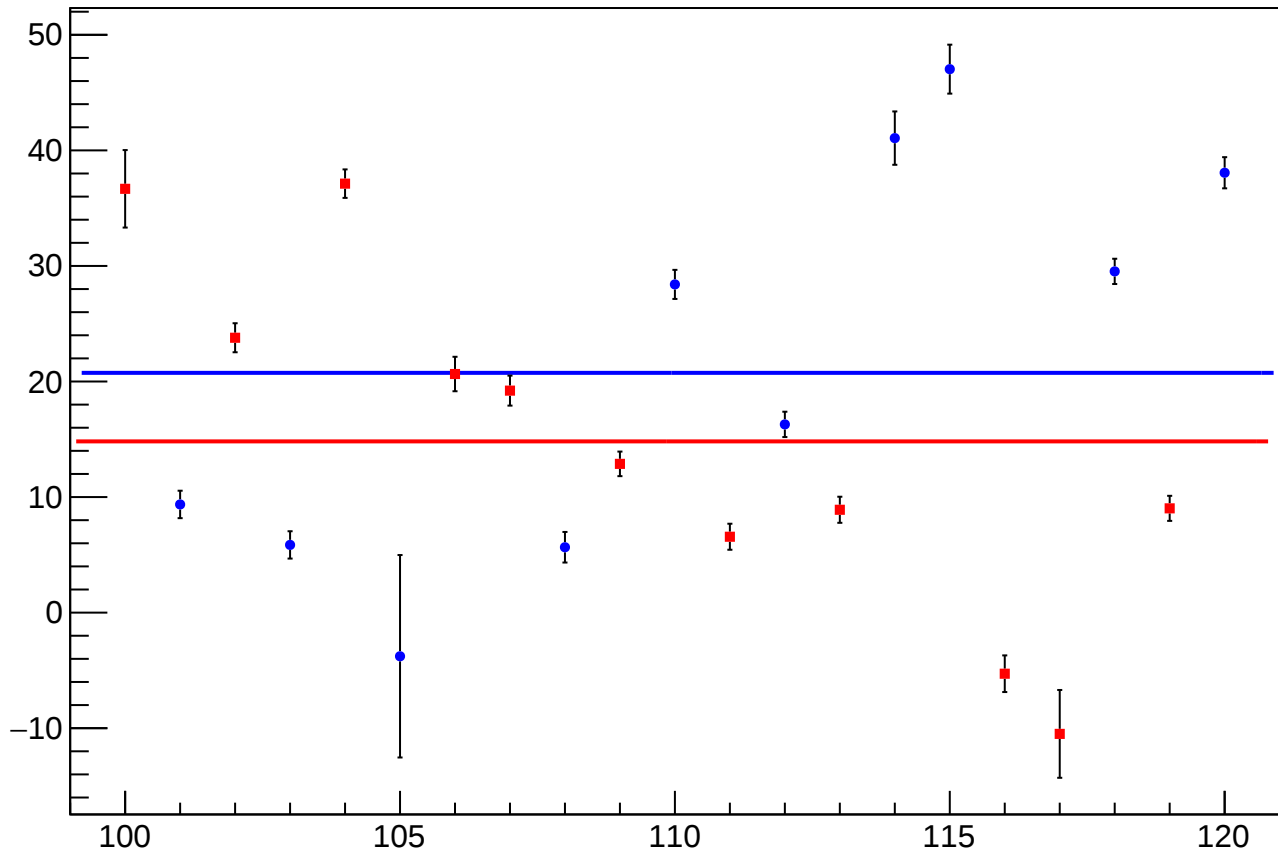
Right Out: 652.083 $\pm$ 0.231  $\chi^2$ /NDF: 4709.3/10

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

655.062 $\pm$ 0.249  $\chi^2$ /NDF: 3144.8/9

652.083 $\pm$ 0.231  $\chi^2$ /NDF: 4709.3/10

# diff\_bpm1i04X\_mean vs slug



Right In: 20.749 $\pm$ 0.436  $\chi^2$ /NDF: 902.6/9

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

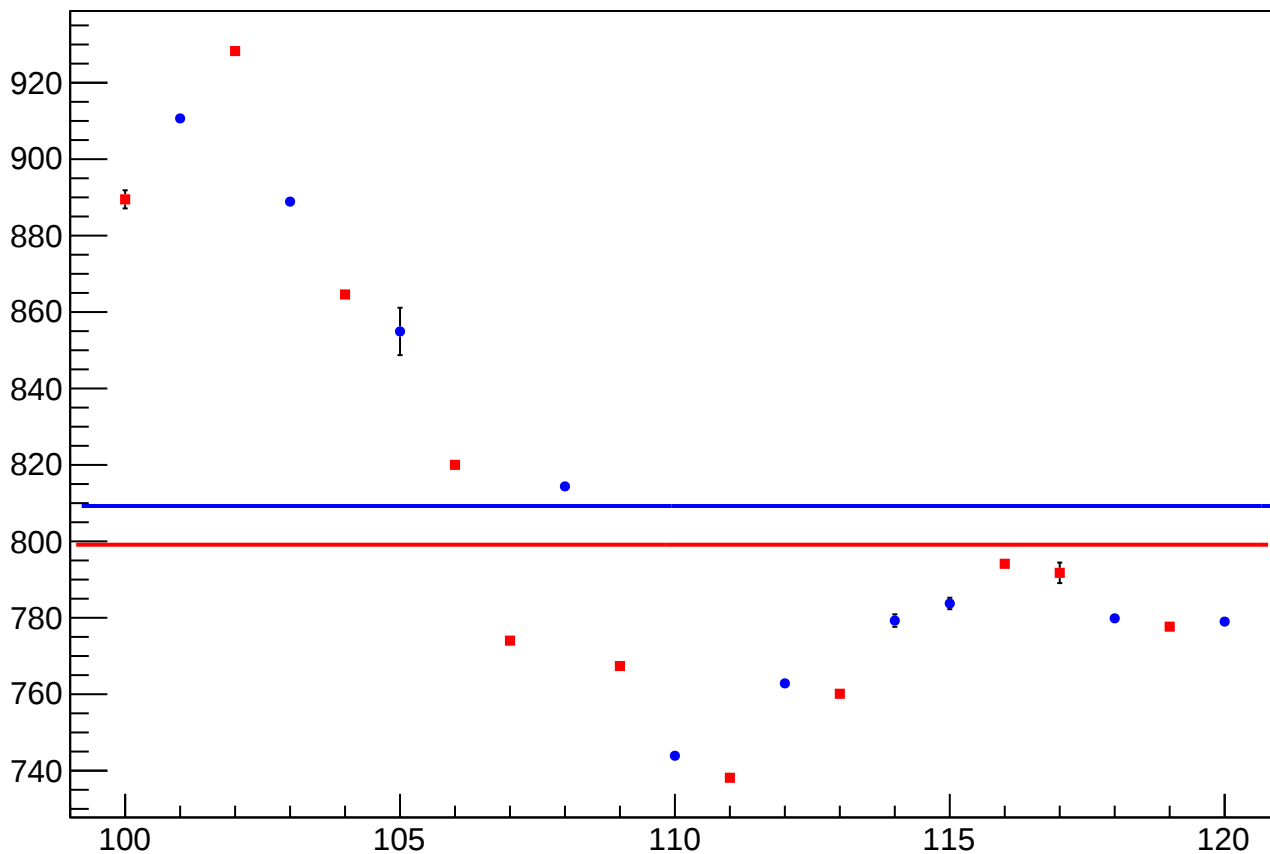
Right Out: 14.818 $\pm$ 0.402  $\chi^2$ /NDF: 766.0/10

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

20.749 $\pm$ 0.436  $\chi^2$ /NDF: 902.6/9

14.818 $\pm$ 0.402  $\chi^2$ /NDF: 766.0/10

# diff\_bpm1i04X\_rms vs slug



Right In: 809.253+/-0.308  $\chi^2/\text{NDF}$ : 35805.8/9

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

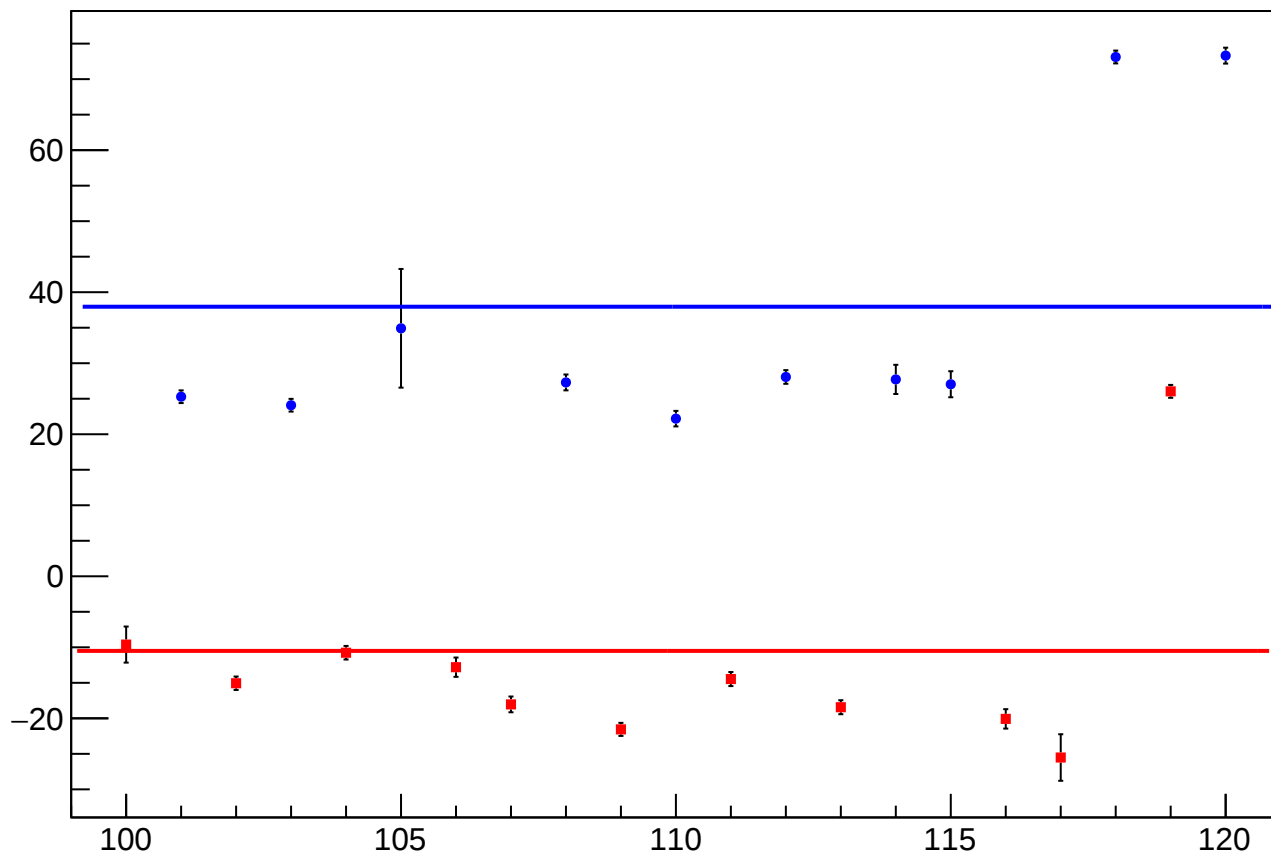
Right Out: 799.125+/-0.284  $\chi^2/\text{NDF}$ : 40240.8/10

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

809.253+/-0.308  $\chi^2/\text{NDF}$ : 35805.8/9

799.125+/-0.284  $\chi^2/\text{NDF}$ : 40240.8/10

# diff\_bpm1i04Y\_mean vs slug



Right In: 37.956+/-0.358  $\chi^2$ /NDF: 3417.7/9

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

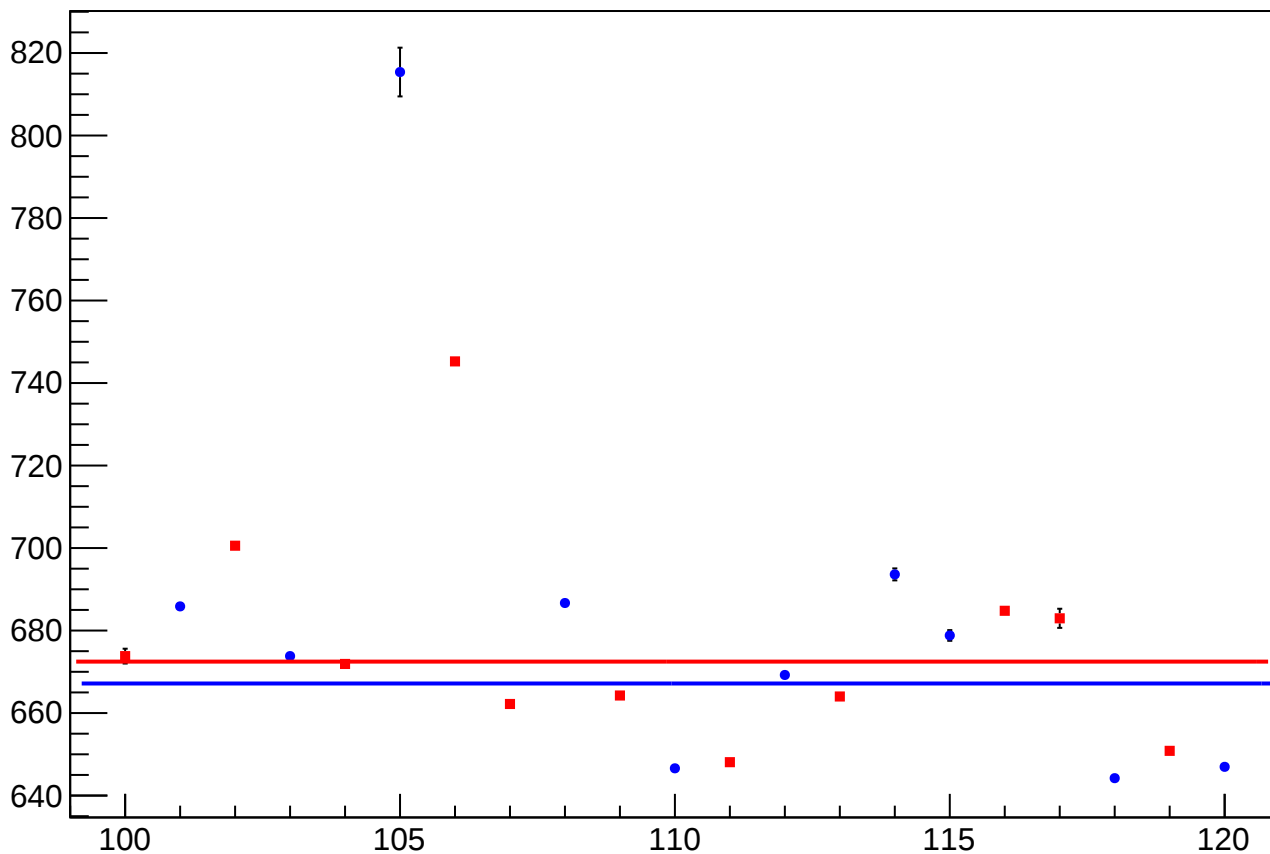
Right Out: -10.506+/-0.337  $\chi^2$ /NDF: 1988.3/10

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

37.956+/-0.358  $\chi^2$ /NDF: 3417.7/9

-10.506+/-0.337  $\chi^2$ /NDF: 1988.3/10

# diff\_bpm1i04Y\_rms vs slug



Right In: 667.166+/-0.253  $\chi^2/\text{NDF}$ : 5295.9/9

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

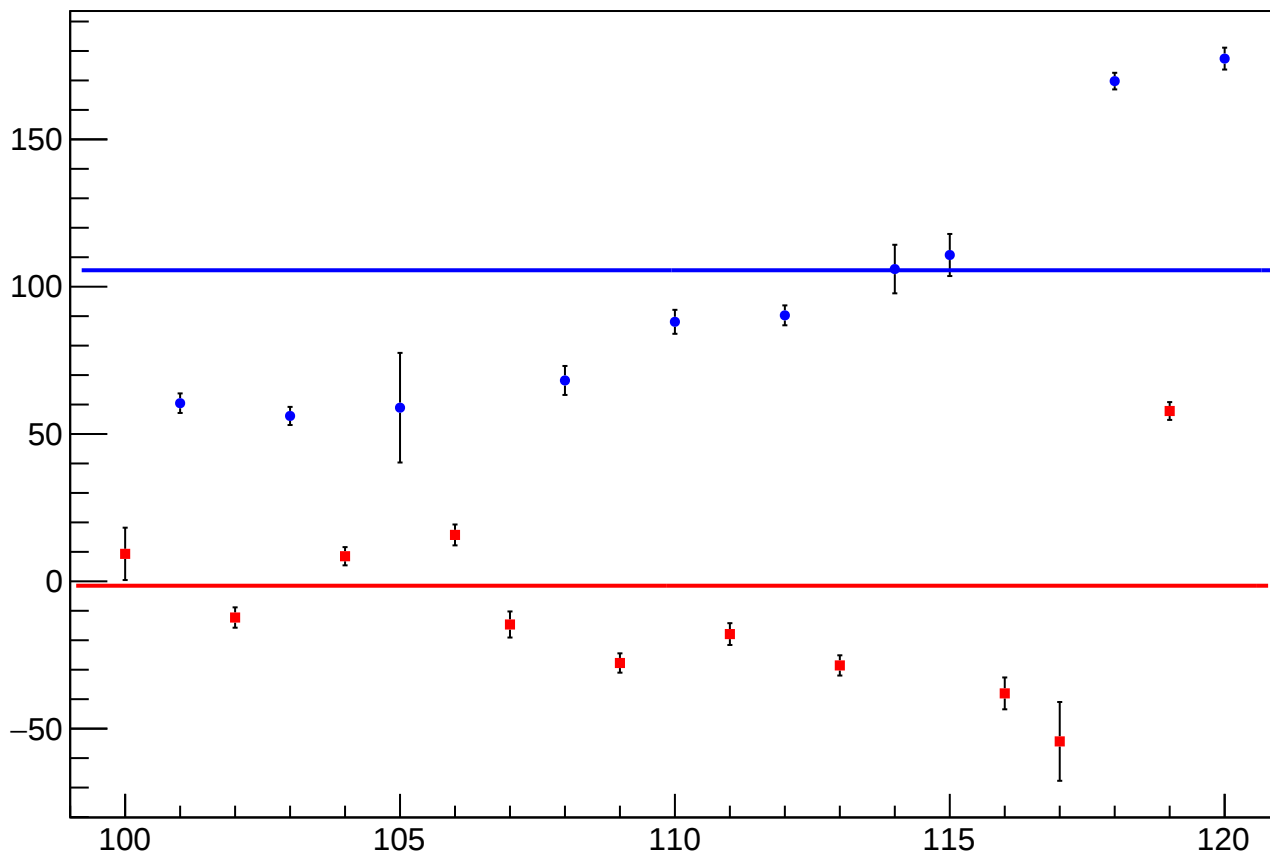
Right Out: 672.471+/-0.239  $\chi^2/\text{NDF}$ : 10515.7/10

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

667.166+/-0.253  $\chi^2/\text{NDF}$ : 5295.9/9

672.471+/-0.239  $\chi^2/\text{NDF}$ : 10515.7/10

# diff\_bpm1i06X\_mean vs slug



Right In: 105.578+/-1.269  $\chi^2/\text{NDF}$ : 1440.0/9

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

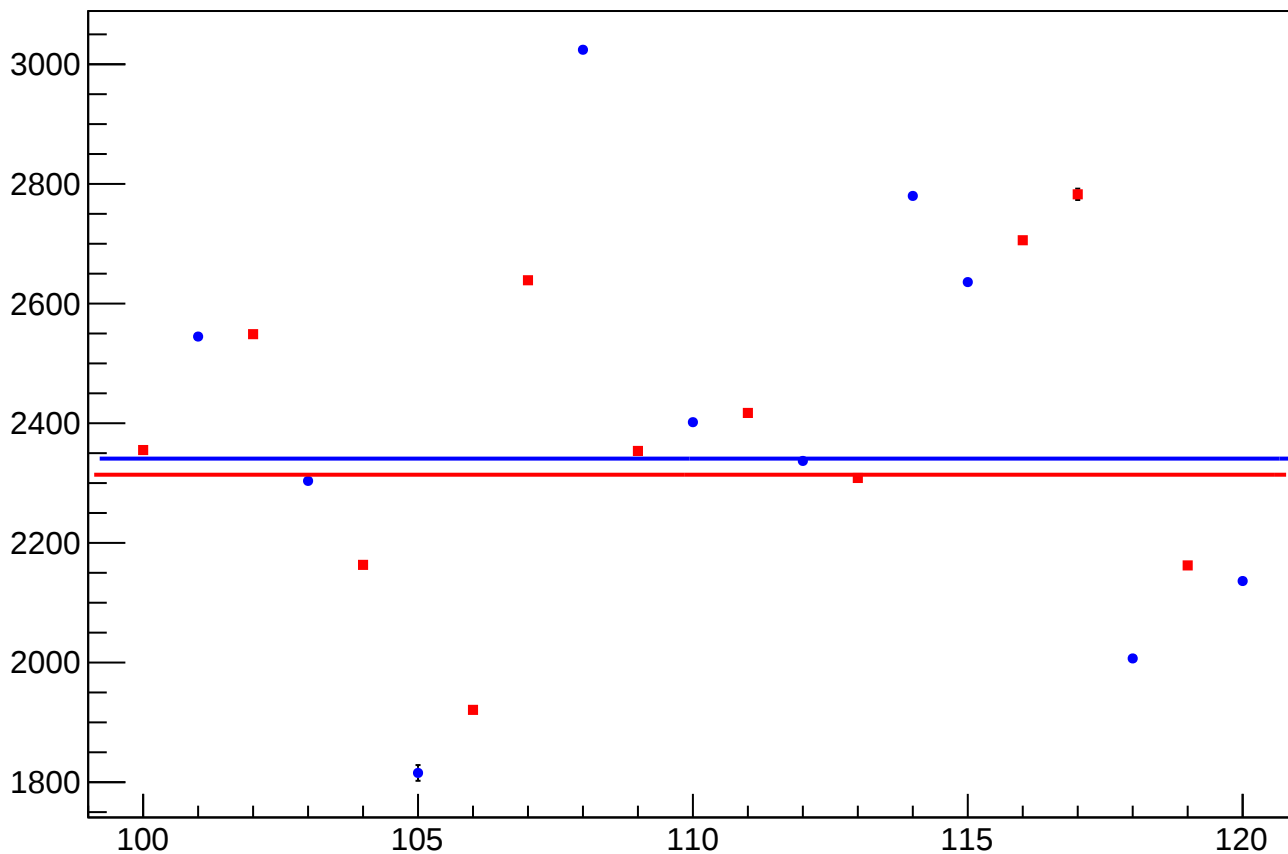
Right Out: -1.490+/-1.169  $\chi^2/\text{NDF}$ : 646.7/10

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

105.578+/-1.269  $\chi^2/\text{NDF}$ : 1440.0/9

-1.490+/-1.169  $\chi^2/\text{NDF}$ : 646.7/10

# diff\_bpm1i06X\_rms vs slug



Right In: 2340.889 $\pm$ 0.897  $\chi^2$ /NDF: 91745.7/9

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

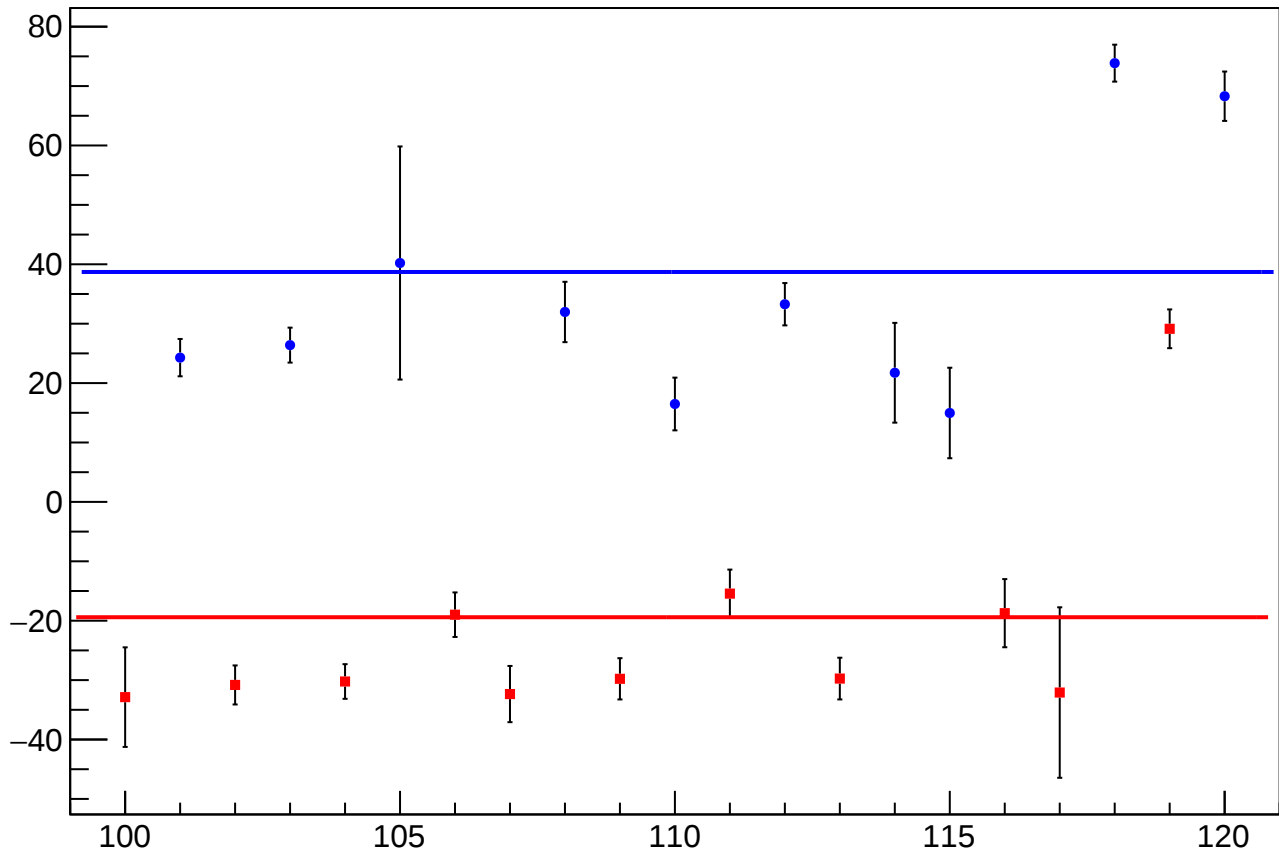
Right Out: 2313.956 $\pm$ 0.827  $\chi^2$ /NDF: 69269.2/10

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

2340.889 $\pm$ 0.897  $\chi^2$ /NDF: 91745.7/9

2313.956 $\pm$ 0.827  $\chi^2$ /NDF: 69269.2/10

# diff\_bpm1i06Y\_mean vs slug



Right In: 38.705+/-1.313  $\chi^2/\text{NDF}$ : 259.9/9

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

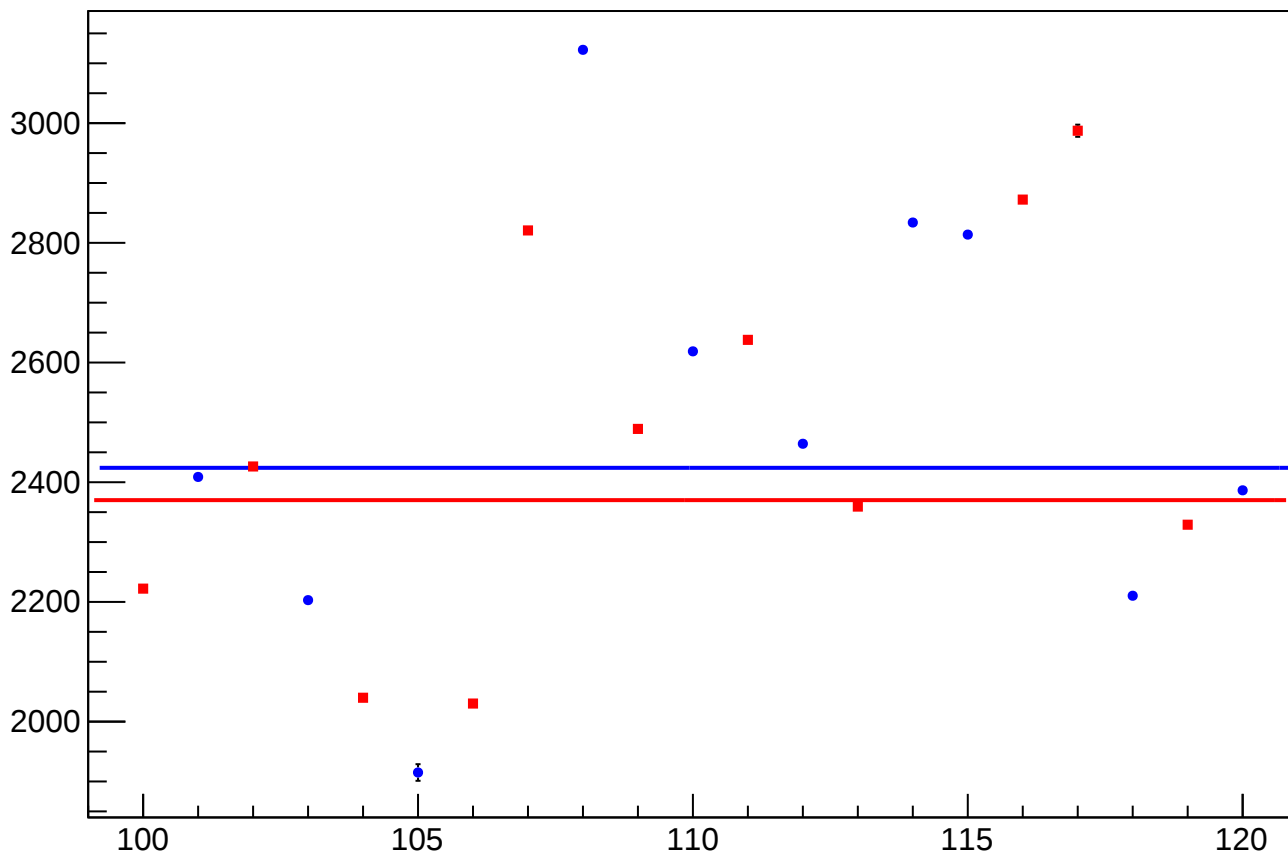
Right Out: -19.414+/-1.200  $\chi^2/\text{NDF}$ : 276.6/10

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

38.705+/-1.313  $\chi^2/\text{NDF}$ : 259.9/9

-19.414+/-1.200  $\chi^2/\text{NDF}$ : 276.6/10

# diff\_bpm1i06Y\_rms vs slug



Right In: 2424.073+/-0.928  $\chi^2/\text{NDF}$ : 74209.8/9

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

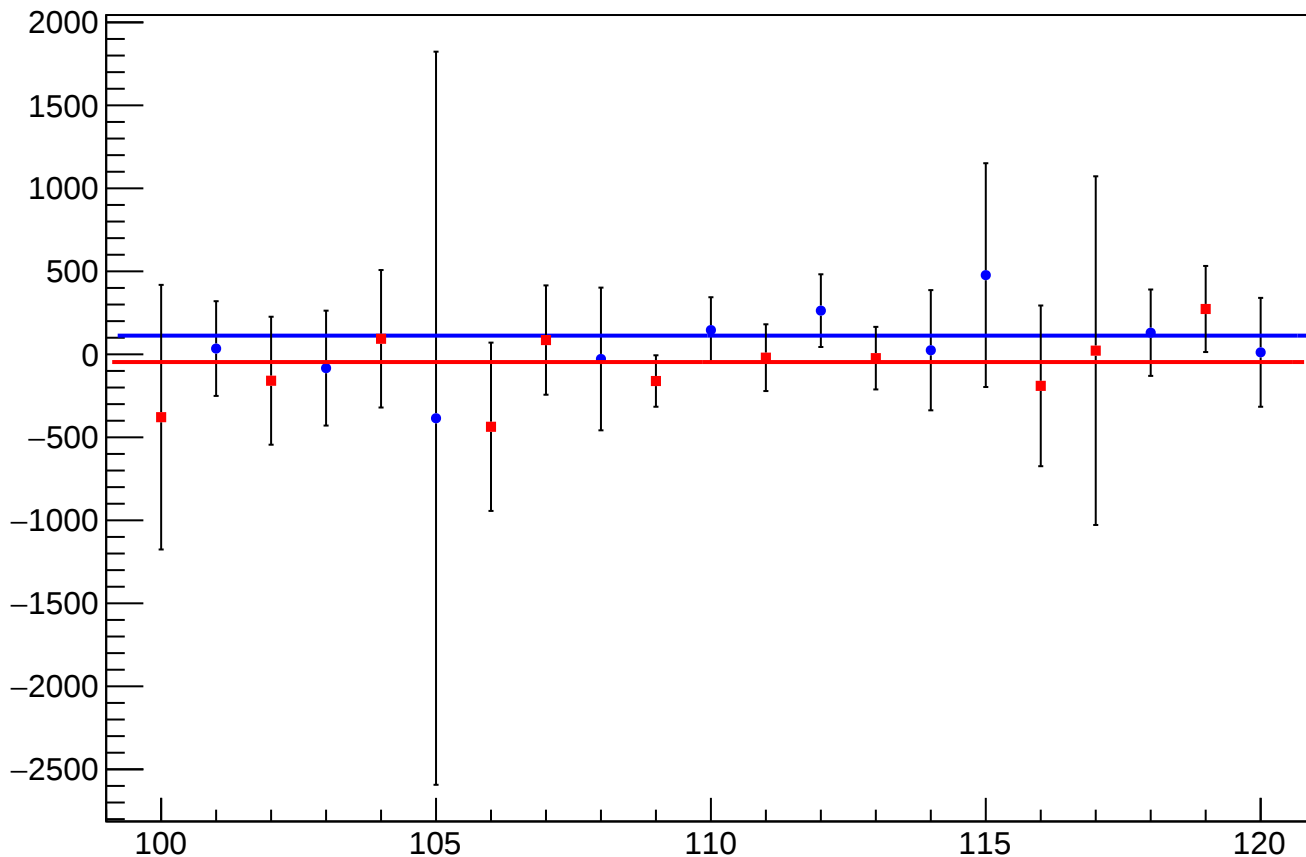
Right Out: 2370.084+/-0.848  $\chi^2/\text{NDF}$ : 91898.8/10

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

2424.073+/-0.928  $\chi^2/\text{NDF}$ : 74209.8/9

2370.084+/-0.848  $\chi^2/\text{NDF}$ : 91898.8/10

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



Right In: 112.686+/-96.887  $\chi^2$ /NDF: 1.5/9

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

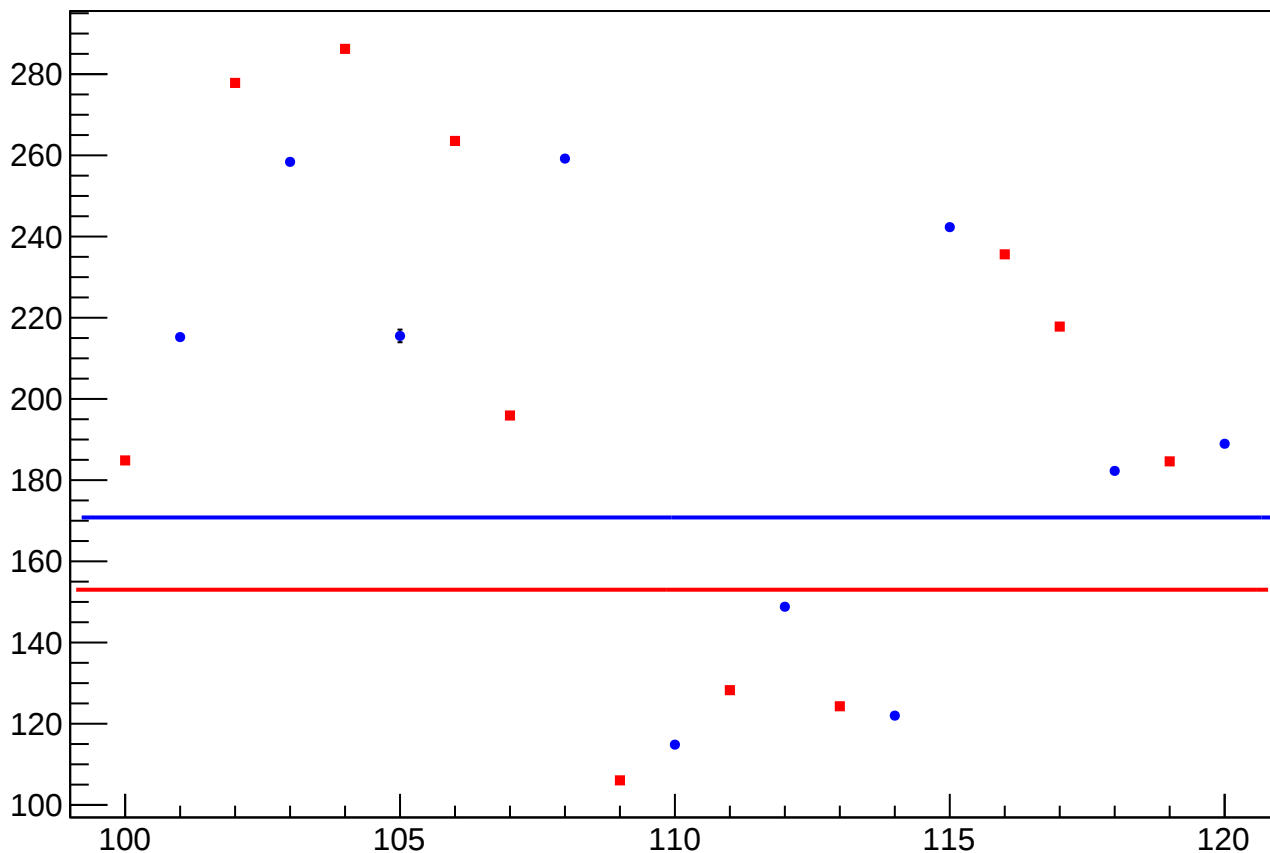
Right Out: -46.443+/-83.981  $\chi^2$ /NDF: 3.3/10

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

112.686+/-96.887  $\chi^2$ /NDF: 1.5/9

-46.443+/-83.981  $\chi^2$ /NDF: 3.3/10

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



Right In: 170.806+/-0.069  $\chi^2/\text{NDF}$ : 510946.7/9

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

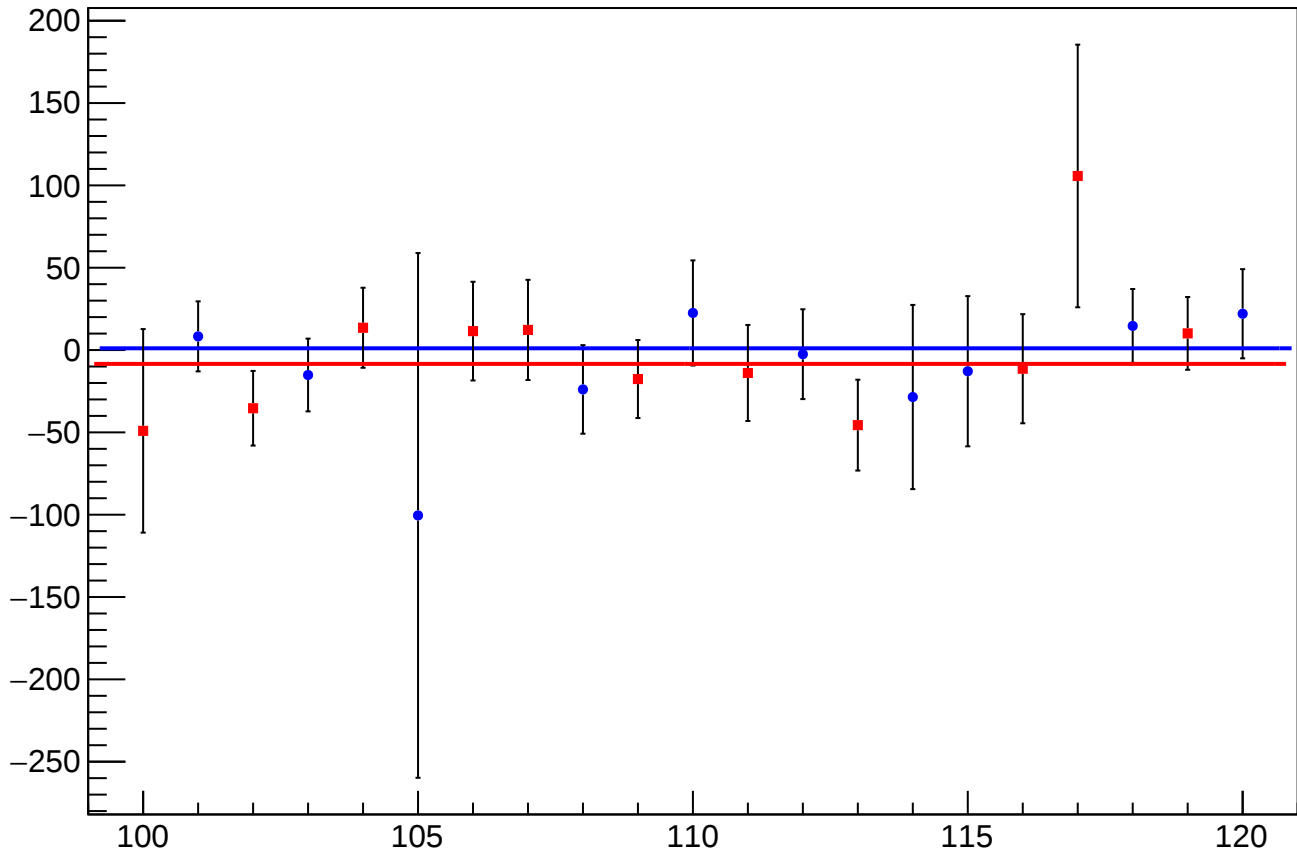
170.806+/-0.069  $\chi^2/\text{NDF}$ : 510946.7/9

Right Out: 153.009+/-0.059  $\chi^2/\text{NDF}$ : 904738.8/10

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

153.009+/-0.059  $\chi^2/\text{NDF}$ : 904738.8/10

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



Right In: 1.057+/-9.070  $\chi^2/\text{NDF}$ : 3.7/9

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

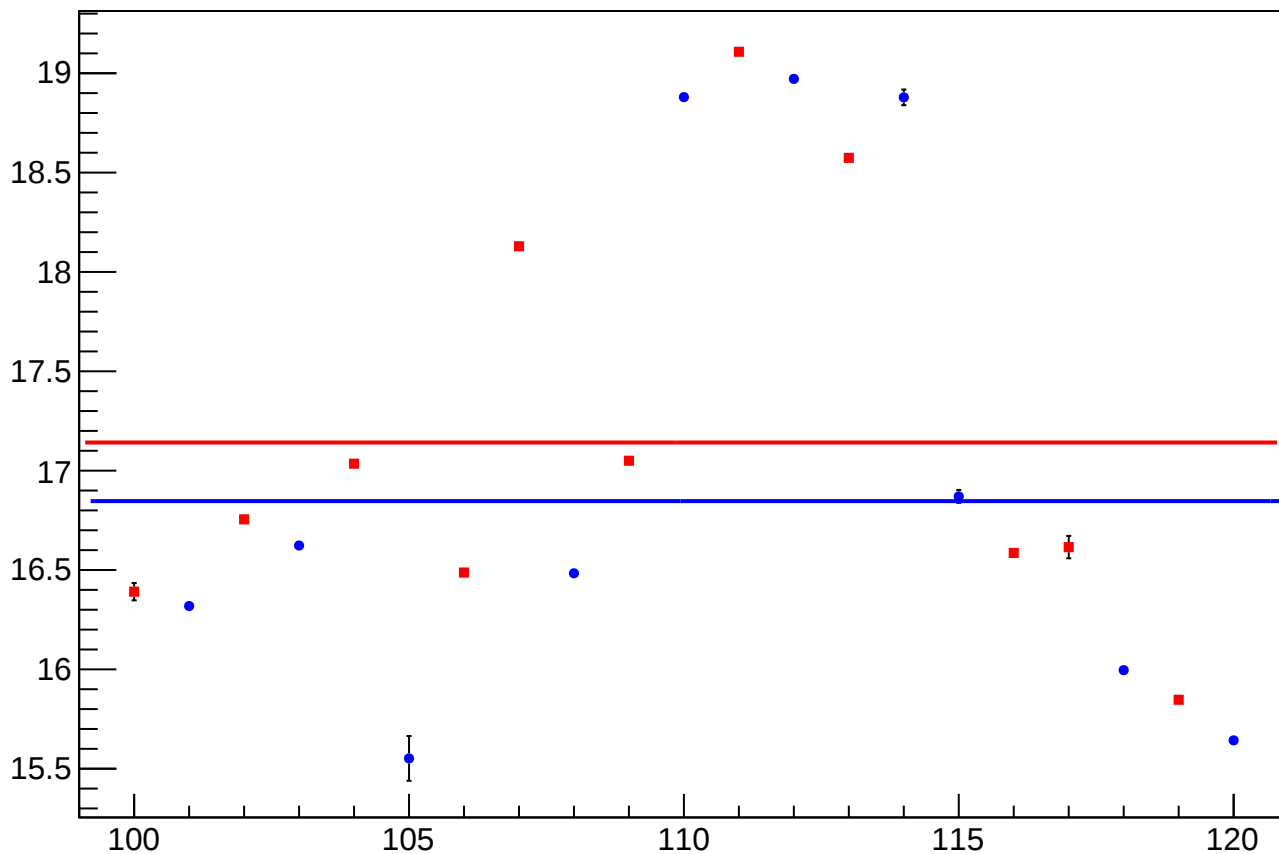
1.057+/-9.070  $\chi^2/\text{NDF}$ : 3.7/9

Right Out: -8.412+/-8.611  $\chi^2/\text{NDF}$ : 8.3/10

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

-8.412+/-8.611  $\chi^2/\text{NDF}$ : 8.3/10

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



Right In: 16.847+/-0.006  $\chi^2/\text{NDF}$ : 31643.3/9

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

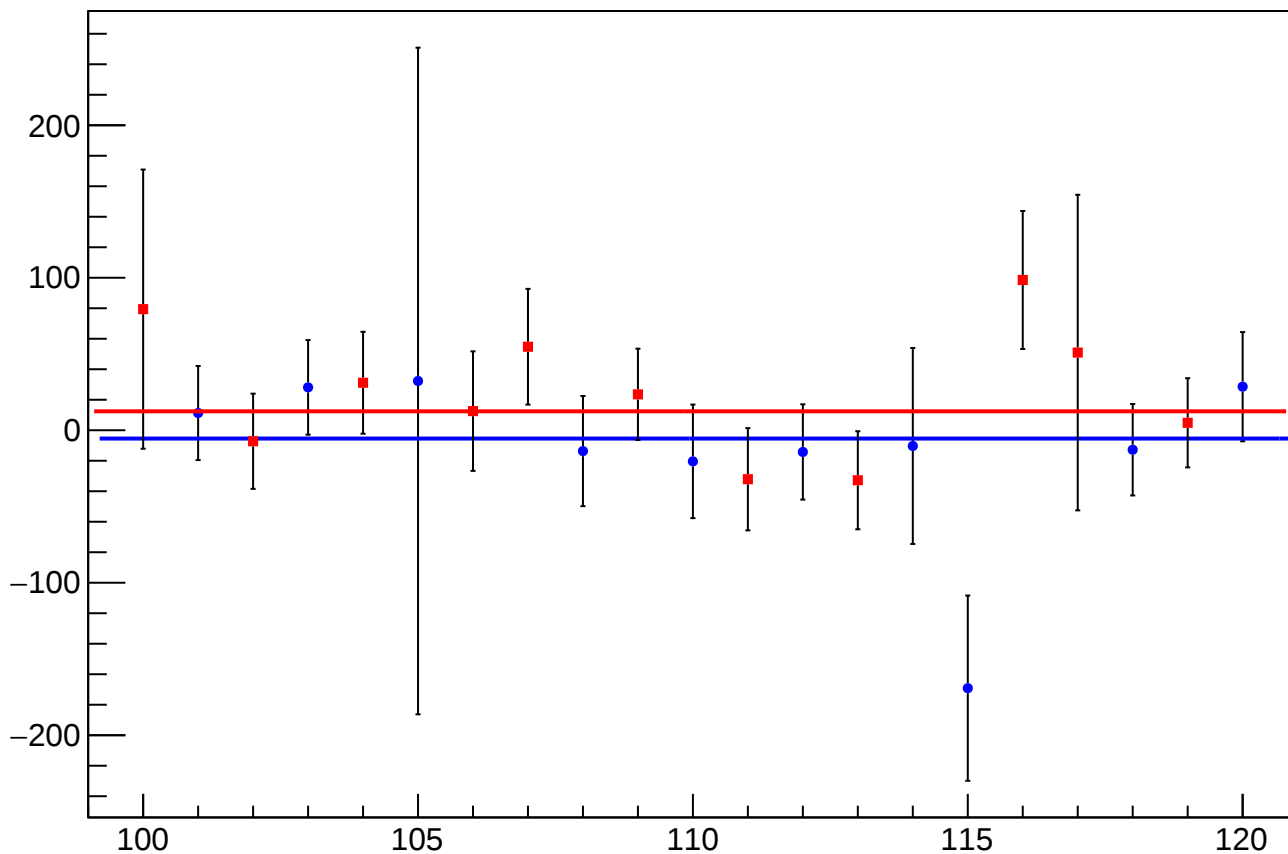
Right Out: 17.142+/-0.006  $\chi^2/\text{NDF}$ : 26013.2/10

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

16.847+/-0.006  $\chi^2/\text{NDF}$ : 31643.3/9

17.142+/-0.006  $\chi^2/\text{NDF}$ : 26013.2/10

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



Right In: -5.447+/-11.928  $\chi^2/\text{NDF}$ : 10.0/9

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

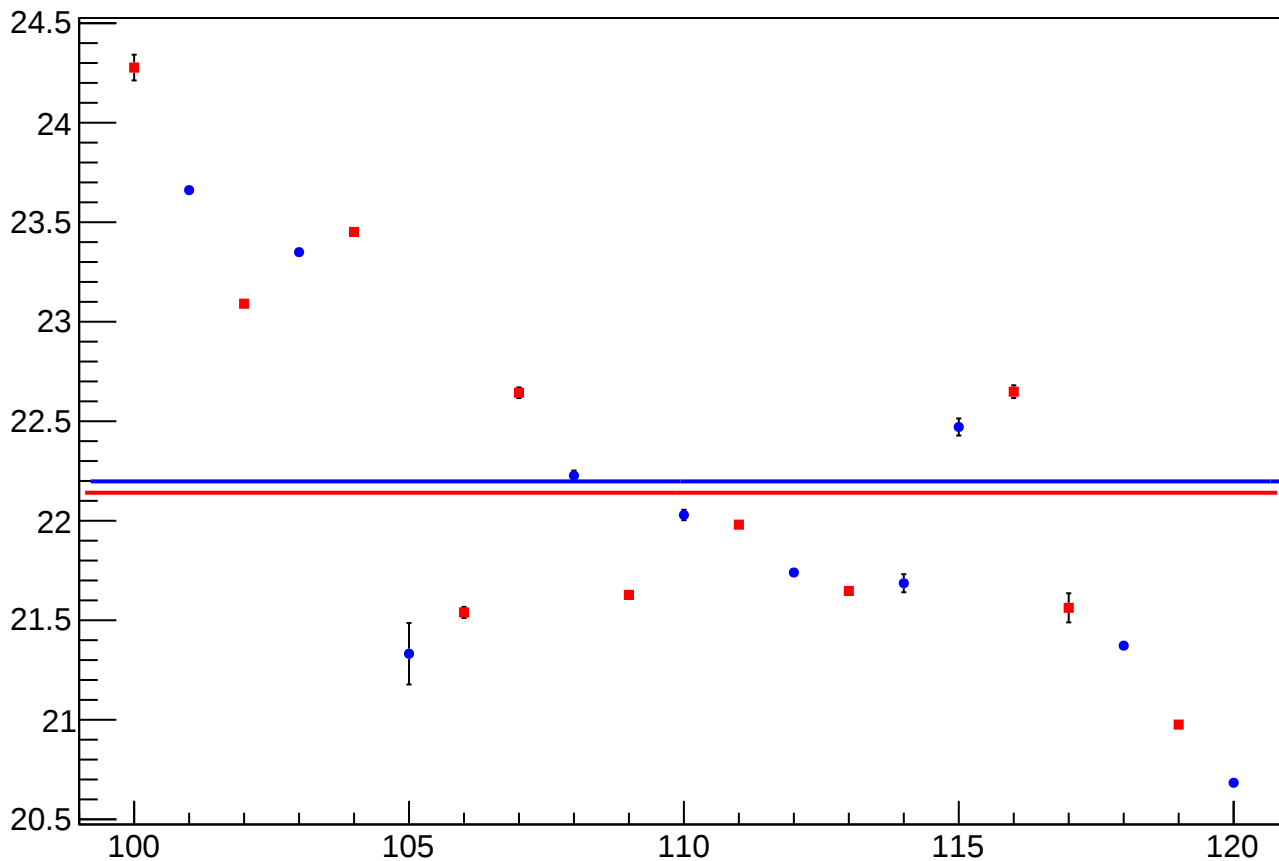
Right Out: 12.415+/-11.104  $\chi^2/\text{NDF}$ : 10.2/10

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

-5.447+/-11.928  $\chi^2/\text{NDF}$ : 10.0/9

12.415+/-11.104  $\chi^2/\text{NDF}$ : 10.2/10

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



Right In:  $22.198 \pm 0.008$   $\chi^2/\text{NDF}: 13022.8/9$

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

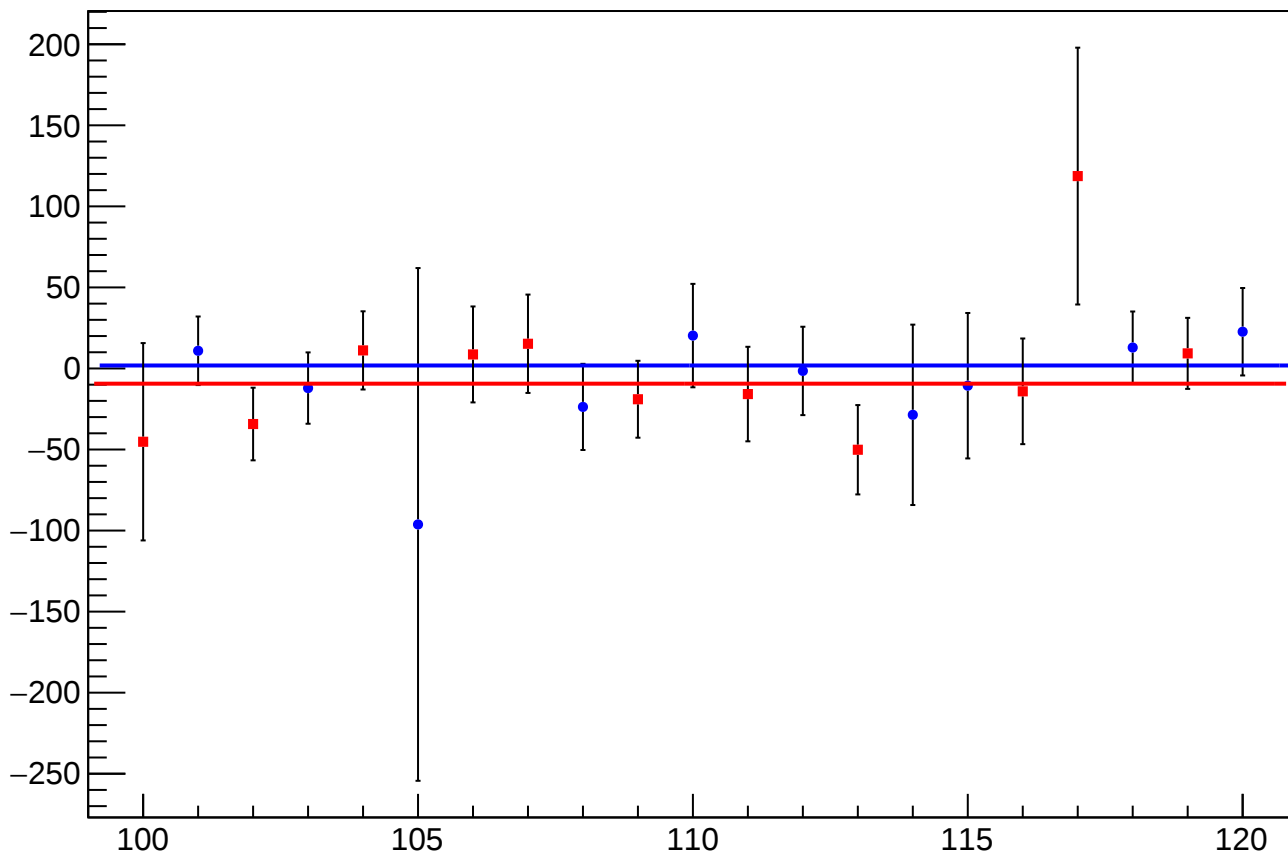
Right Out:  $22.141 \pm 0.008$   $\chi^2/\text{NDF}: 11431.2/10$

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

$22.198 \pm 0.008$   $\chi^2/\text{NDF}: 13022.8/9$

$22.141 \pm 0.008$   $\chi^2/\text{NDF}: 11431.2/10$

asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_mean vs slug



Right In: 1.838+/-9.016  $\chi^2/\text{NDF}$ : 3.5/9

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

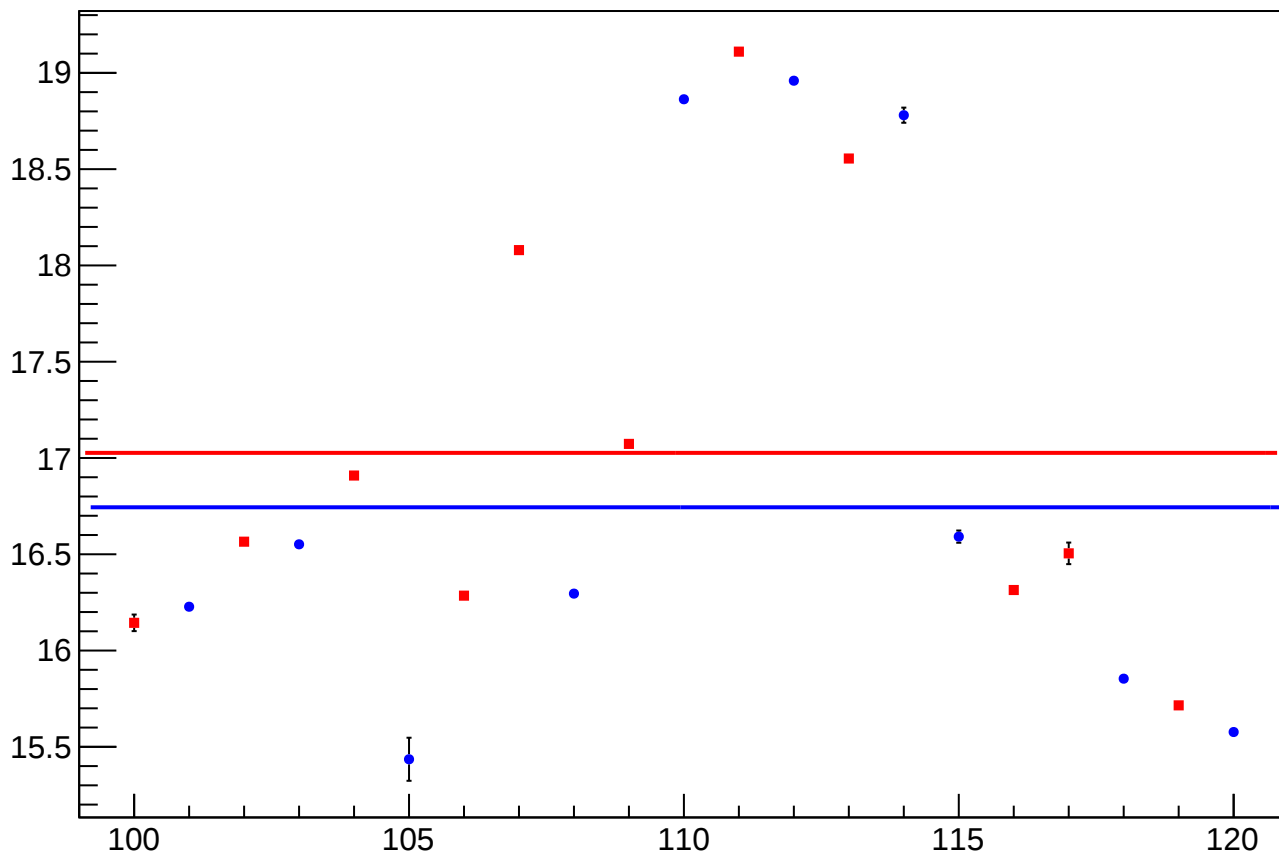
Right Out: -9.384+/-8.555  $\chi^2/\text{NDF}$ : 9.1/10

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

1.838+/-9.016  $\chi^2/\text{NDF}$ : 3.5/9

-9.384+/-8.555  $\chi^2/\text{NDF}$ : 9.1/10

asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs slug



Right In: 16.744+/-0.006  $\chi^2/\text{NDF}$ : 33732.4/9

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

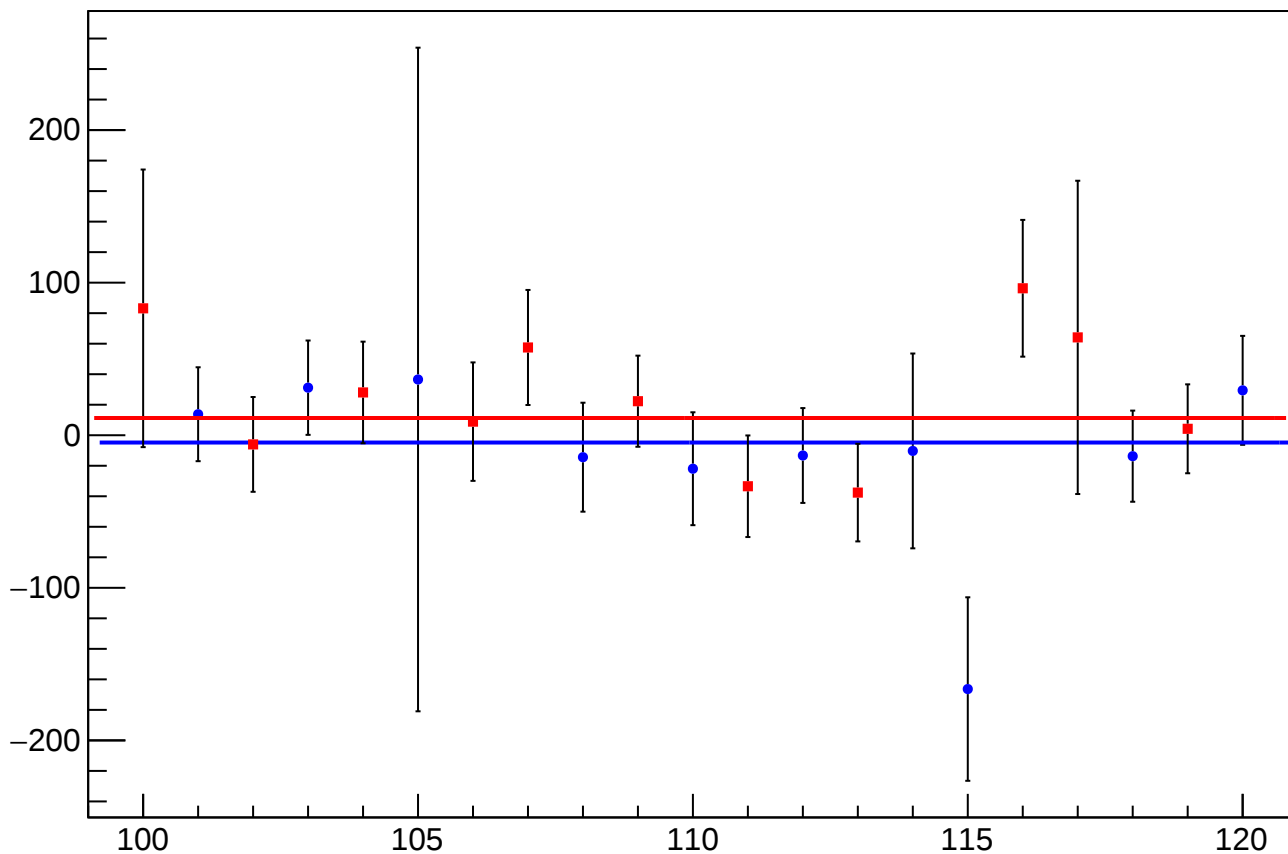
Right Out: 17.027+/-0.006  $\chi^2/\text{NDF}$ : 29560.4/10

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

16.744+/-0.006  $\chi^2/\text{NDF}$ : 33732.4/9

17.027+/-0.006  $\chi^2/\text{NDF}$ : 29560.4/10

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



Right In: -4.781+/-11.866  $\chi^2/\text{NDF}$ : 10.3/9

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

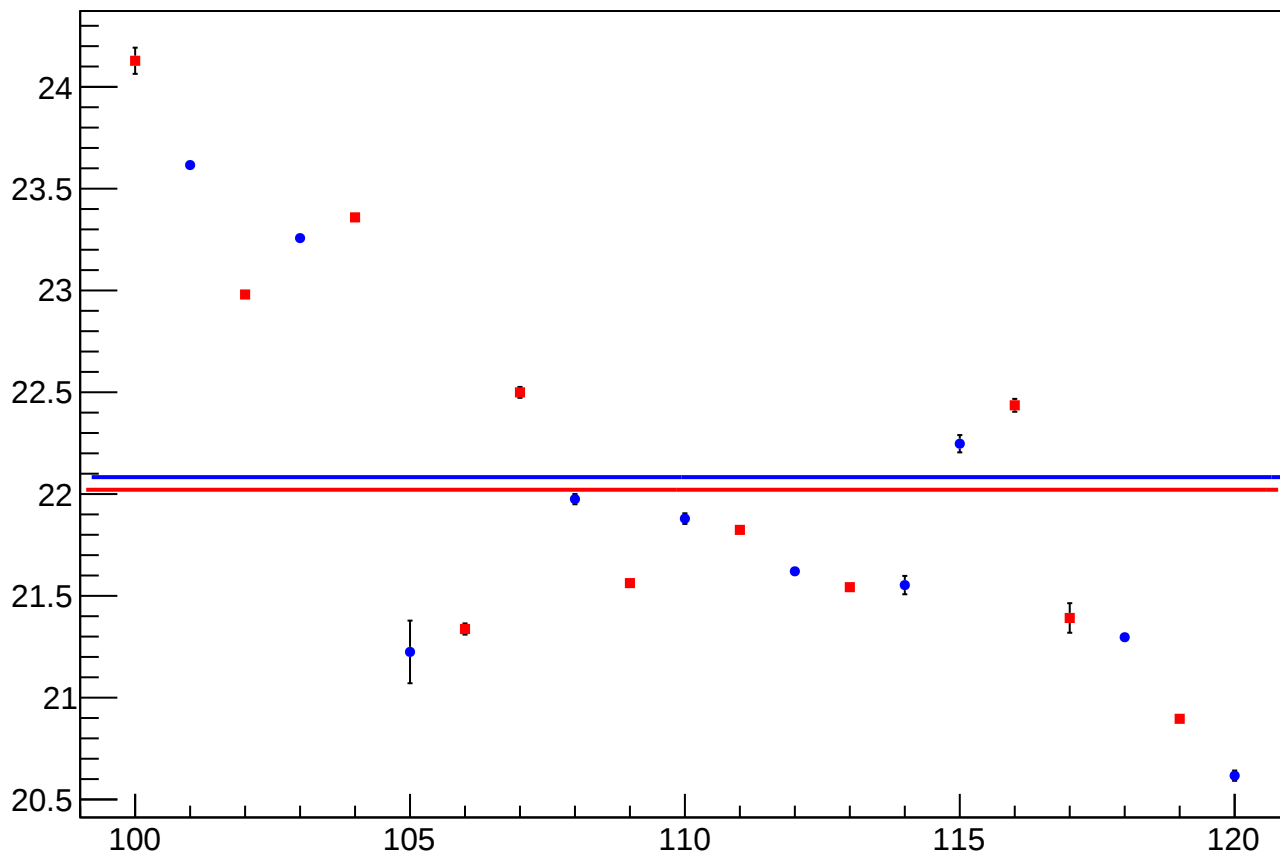
Right Out: 11.299+/-11.044  $\chi^2/\text{NDF}$ : 10.9/10

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

-4.781+/-11.866  $\chi^2/\text{NDF}$ : 10.3/9

11.299+/-11.044  $\chi^2/\text{NDF}$ : 10.9/10

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



Right In: 22.083+/-0.008  $\chi^2$ /NDF: 13314.4/9

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

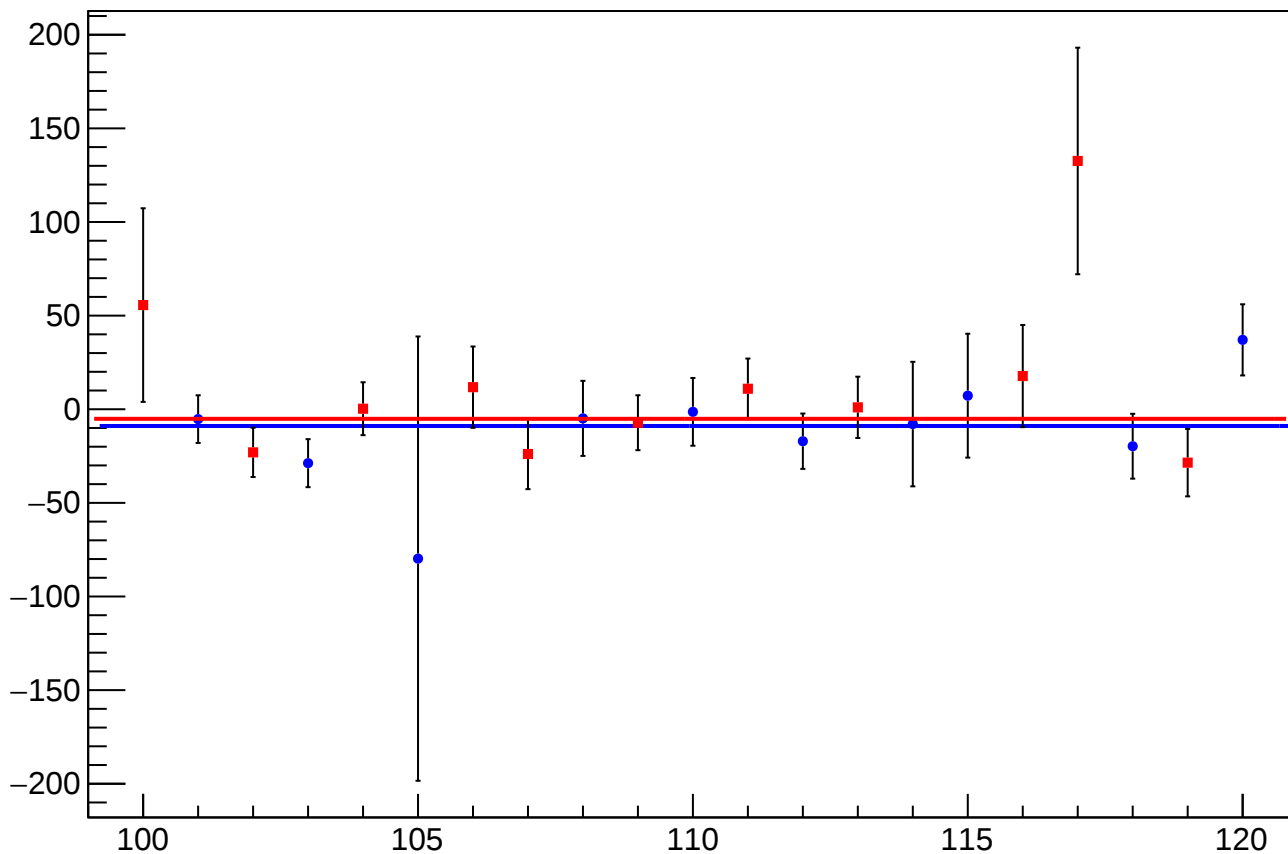
Right Out: 22.021+/-0.008  $\chi^2$ /NDF: 11370.3/10

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

22.083+/-0.008  $\chi^2$ /NDF: 13314.4/9

22.021+/-0.008  $\chi^2$ /NDF: 11370.3/10

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



Right In: -8.936+/-5.738  $\chi^2/\text{NDF}$ : 9.8/9

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

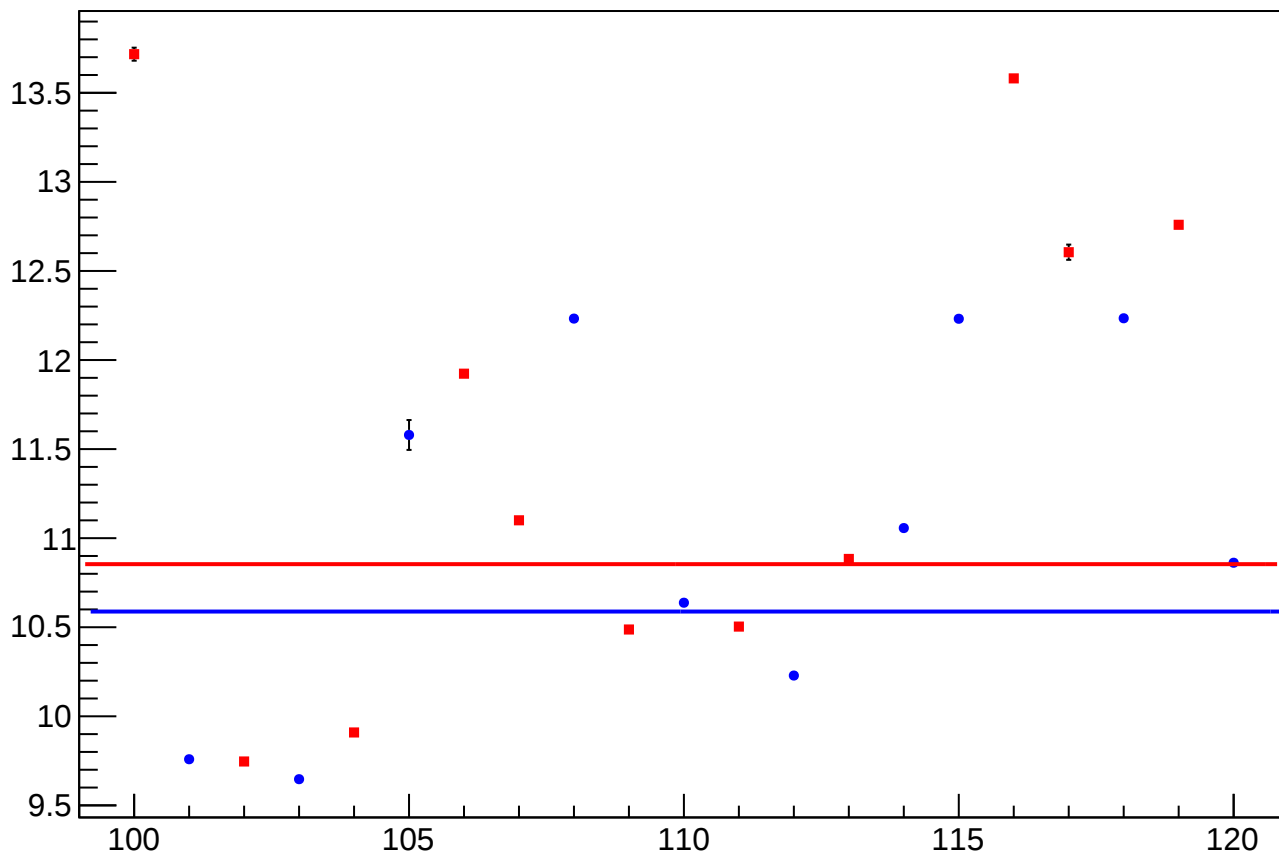
Right Out: -5.110+/-5.502  $\chi^2/\text{NDF}$ : 13.7/10

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

-8.936+/-5.738  $\chi^2/\text{NDF}$ : 9.8/9

-5.110+/-5.502  $\chi^2/\text{NDF}$ : 13.7/10

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



Right In: 10.588 $\pm$ 0.004  $\chi^2$ /NDF: 57891.1/9

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

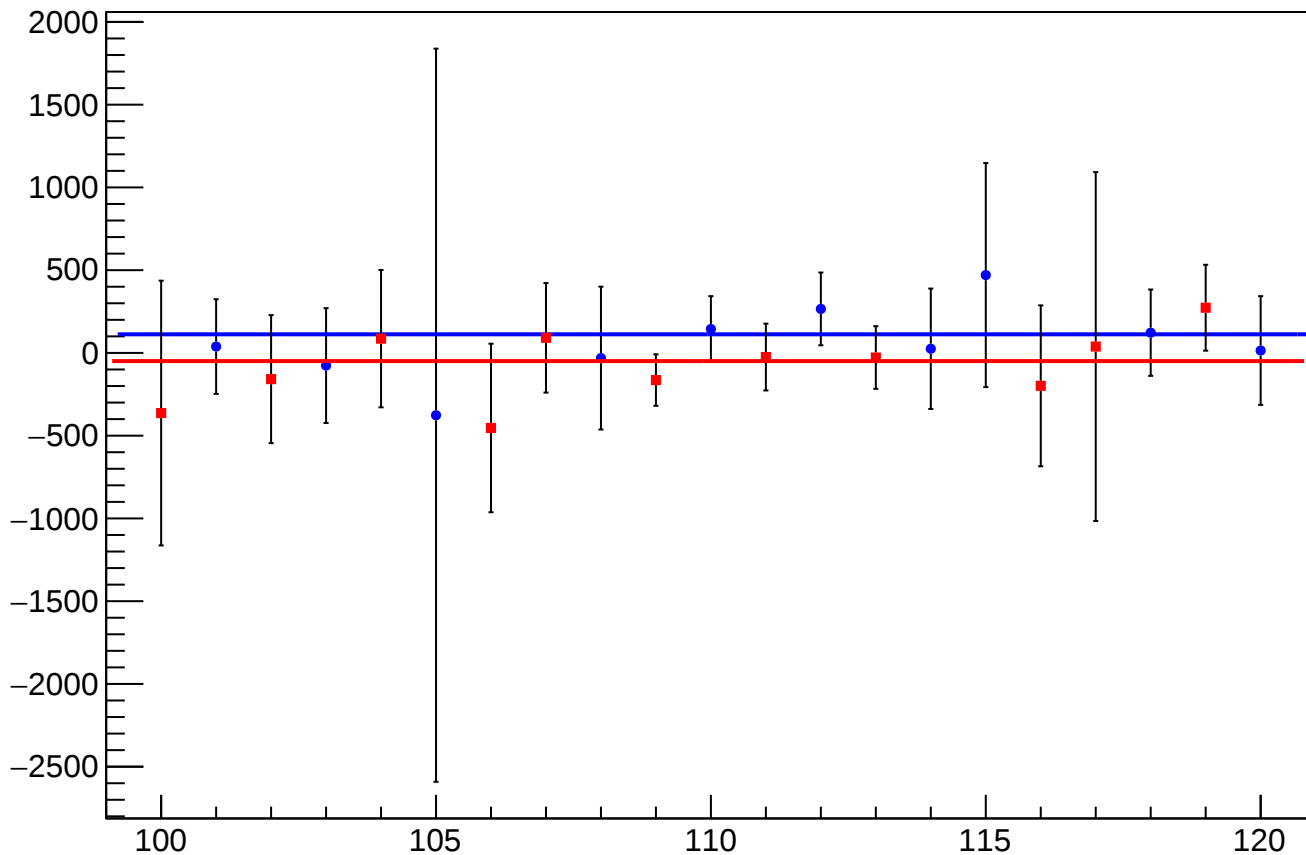
Right Out: 10.854 $\pm$ 0.004  $\chi^2$ /NDF: 80647.9/10

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

10.588 $\pm$ 0.004  $\chi^2$ /NDF: 57891.1/9

10.854 $\pm$ 0.004  $\chi^2$ /NDF: 80647.9/10

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



Right In: 112.433+/-97.183  $\chi^2/\text{NDF}$ : 1.5/9

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

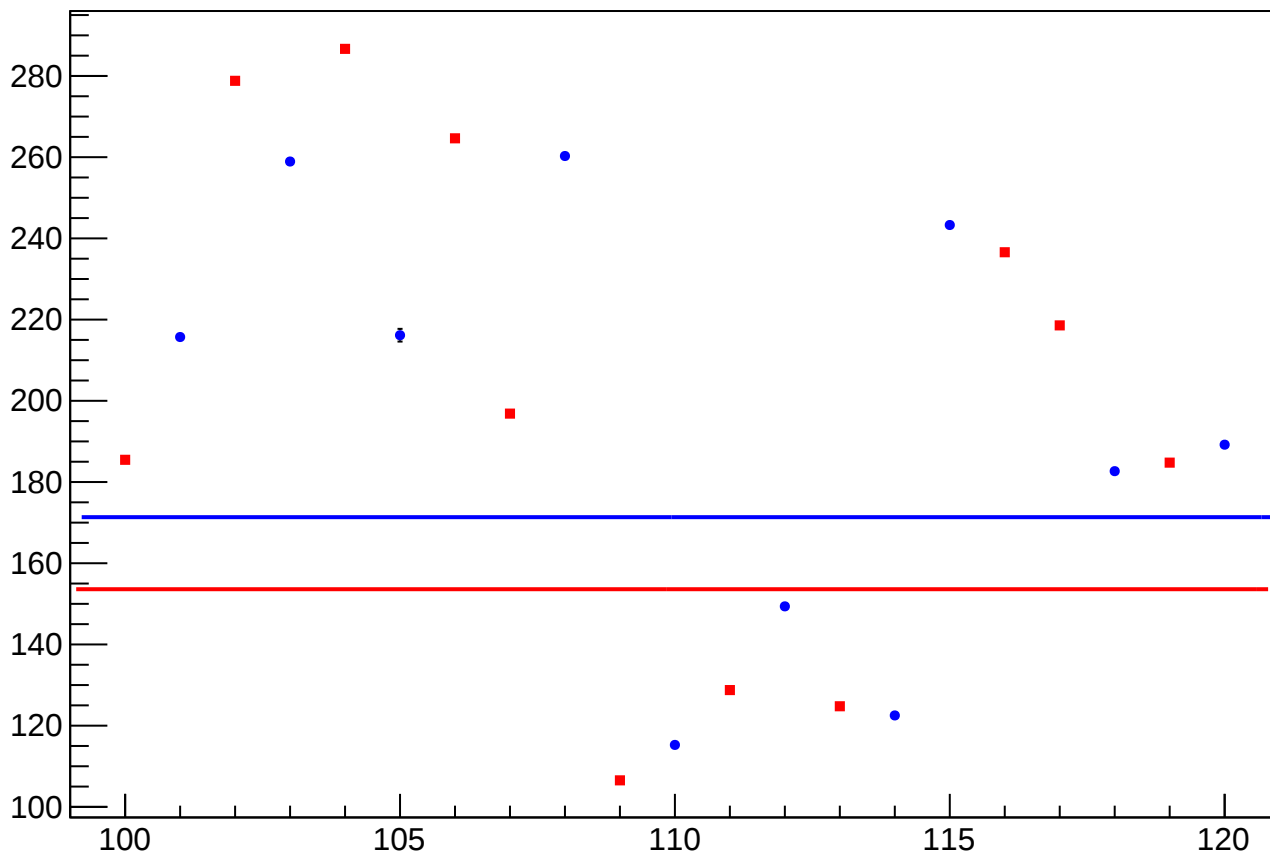
Right Out: -49.342+/-84.291  $\chi^2/\text{NDF}$ : 3.4/10

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

112.433+/-97.183  $\chi^2/\text{NDF}$ : 1.5/9

-49.342+/-84.291  $\chi^2/\text{NDF}$ : 3.4/10

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



Right In: 171.347+/-0.069  $\chi^2/\text{NDF}$ : 509250.2/9

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

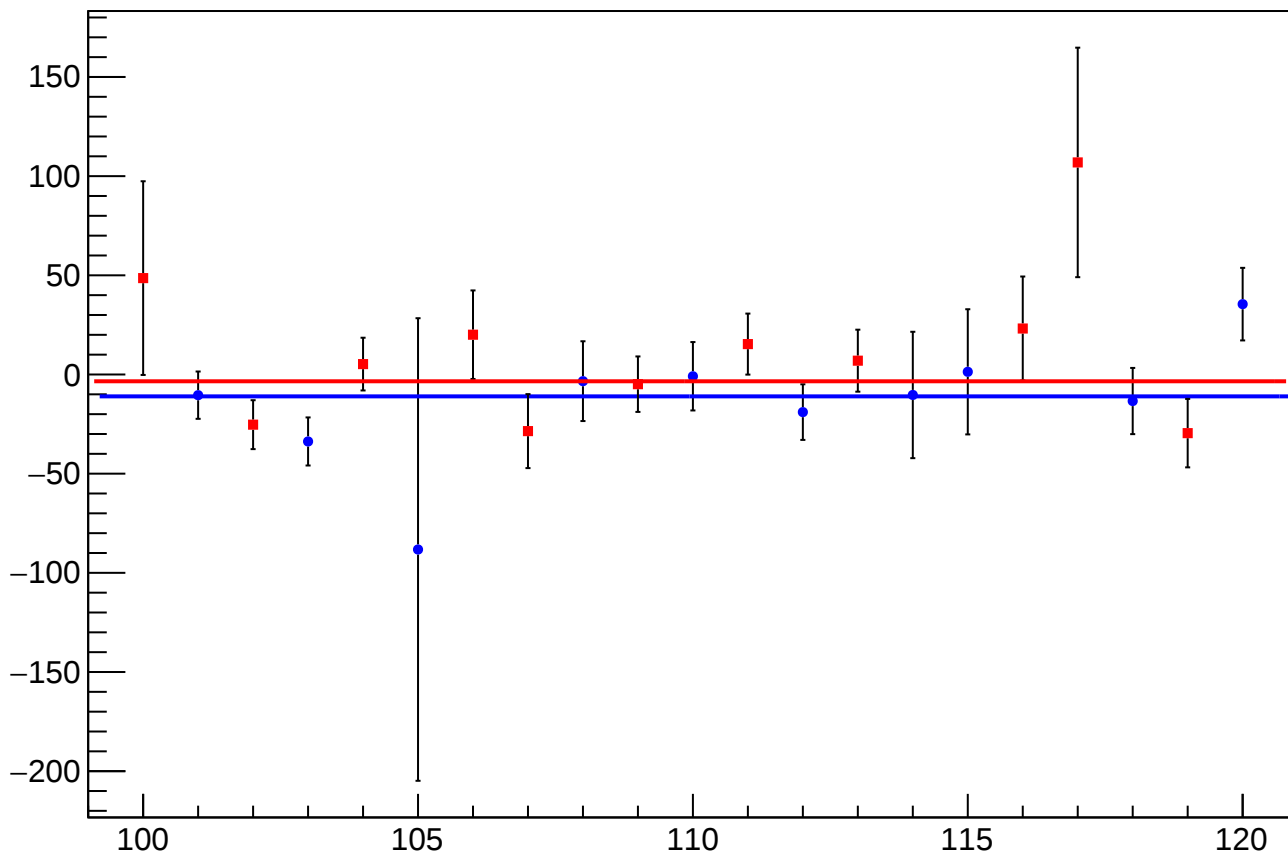
171.347+/-0.069  $\chi^2/\text{NDF}$ : 509250.2/9

Right Out: 153.603+/-0.060  $\chi^2/\text{NDF}$ : 902094.3/10

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

153.603+/-0.060  $\chi^2/\text{NDF}$ : 902094.3/10

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



Right In: -11.029 +/- 5.472  $\chi^2/\text{NDF}$ : 11.4/9

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

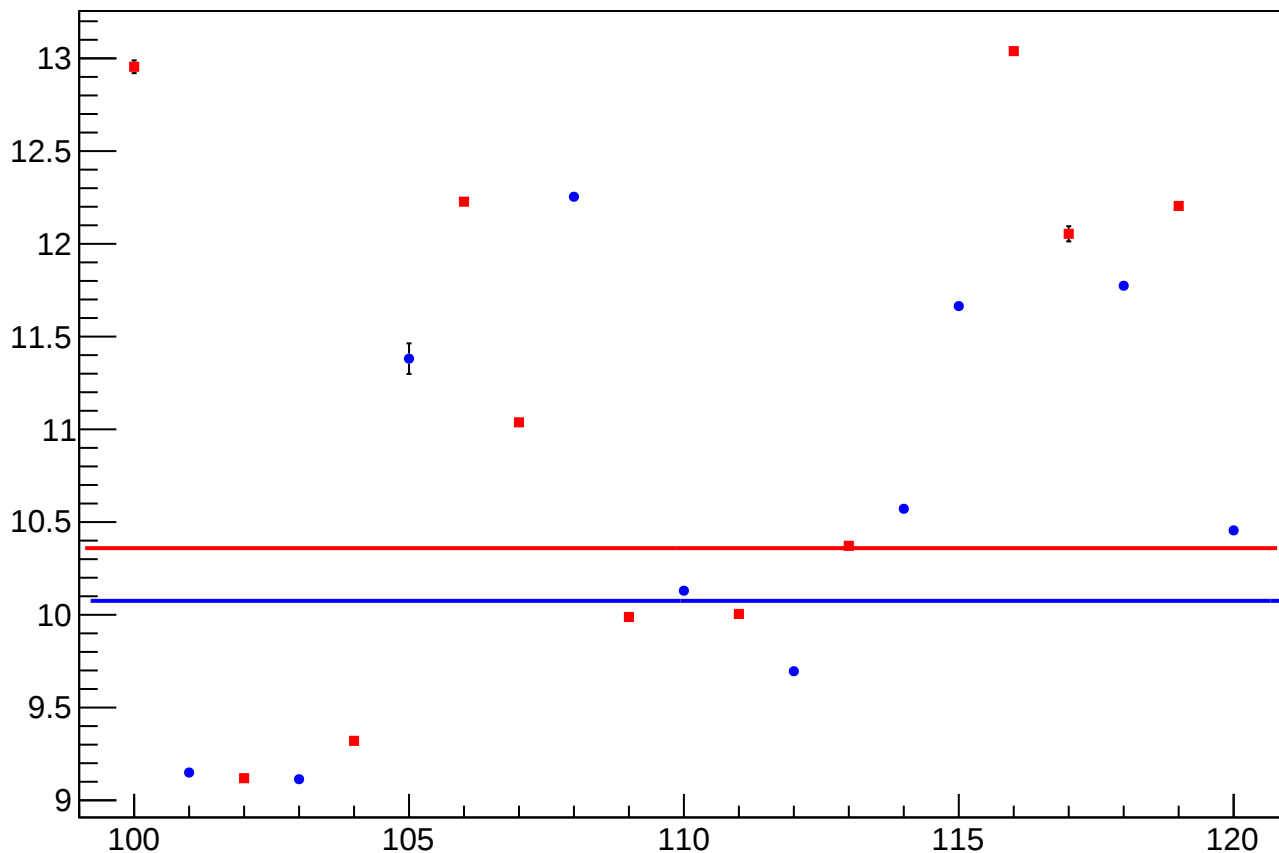
Right Out: -3.423 +/- 5.264  $\chi^2/\text{NDF}$ : 16.5/10

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

-11.029 +/- 5.472  $\chi^2/\text{NDF}$ : 11.4/9

-3.423 +/- 5.264  $\chi^2/\text{NDF}$ : 16.5/10

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



Right In: 10.075+/-0.004  $\chi^2/\text{NDF}$ : 76980.3/9

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

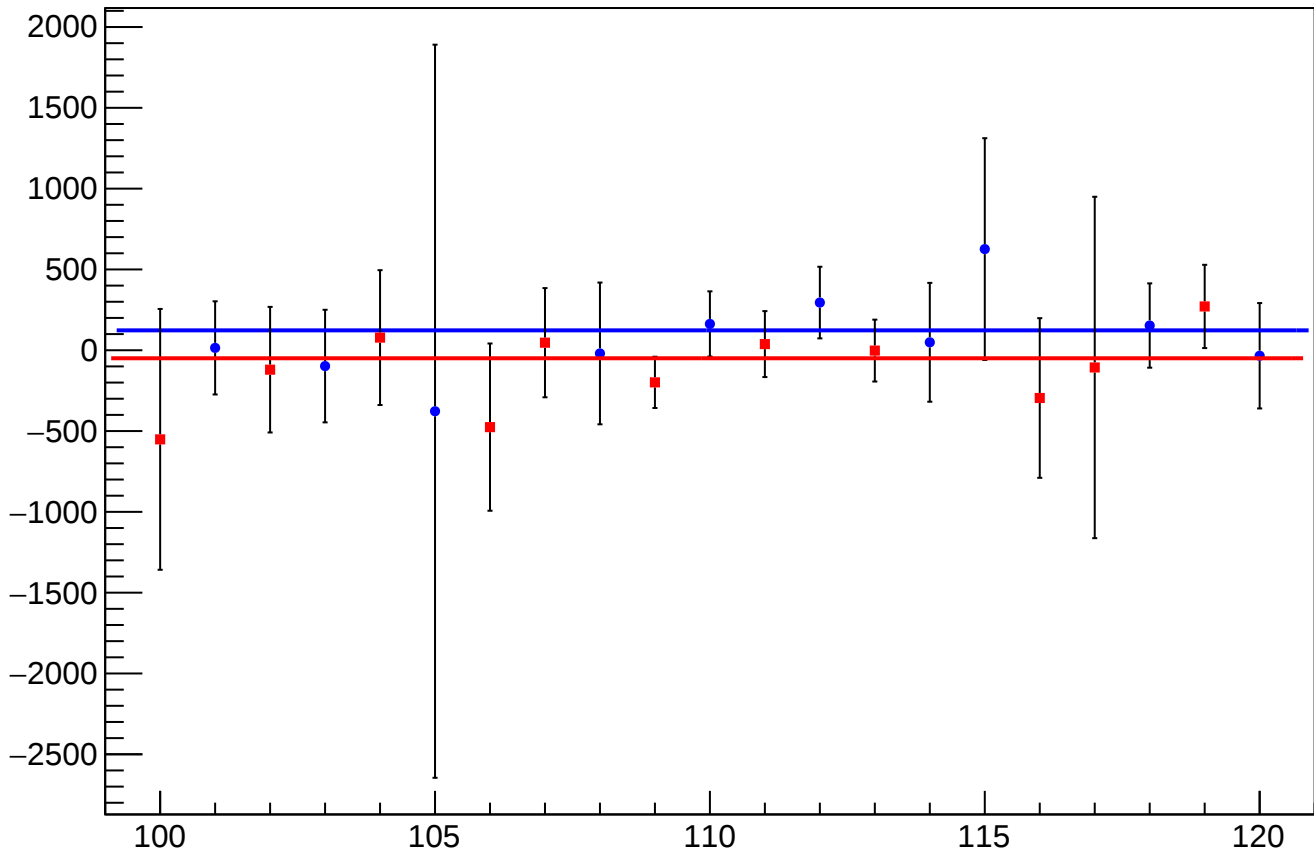
Right Out: 10.359+/-0.004  $\chi^2/\text{NDF}$ : 102711.1/10

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

10.075+/-0.004  $\chi^2/\text{NDF}$ : 76980.3/9

10.359+/-0.004  $\chi^2/\text{NDF}$ : 102711.1/10

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



Right In: 123.041 $\pm$ 97.944  $\chi^2$ /NDF: 2.2/9

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

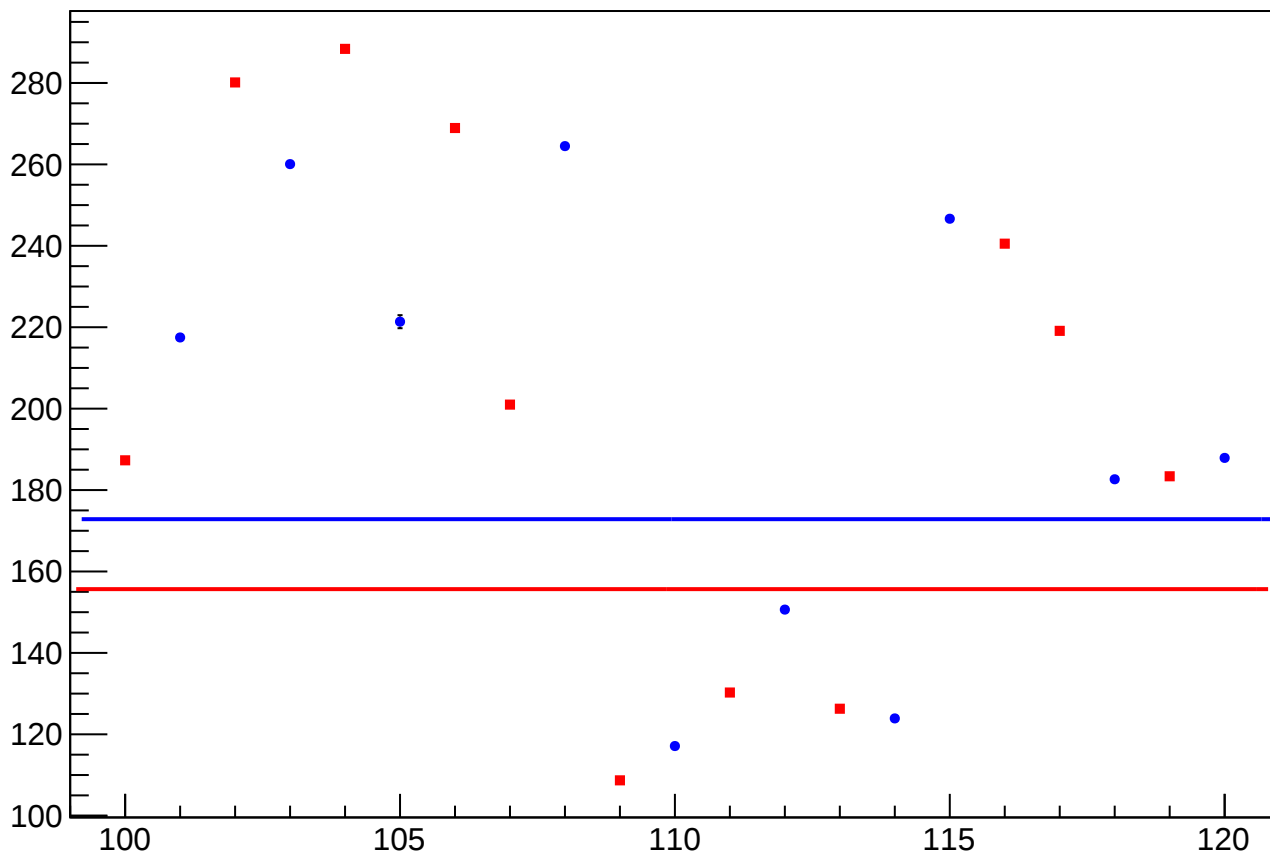
Right Out: -49.617 $\pm$ 85.277  $\chi^2$ /NDF: 4.2/10

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

123.041 $\pm$ 97.944  $\chi^2$ /NDF: 2.2/9

-49.617 $\pm$ 85.277  $\chi^2$ /NDF: 4.2/10

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



Right In: 172.847+/-0.069  $\chi^2/\text{NDF}$ : 500060.4/9

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

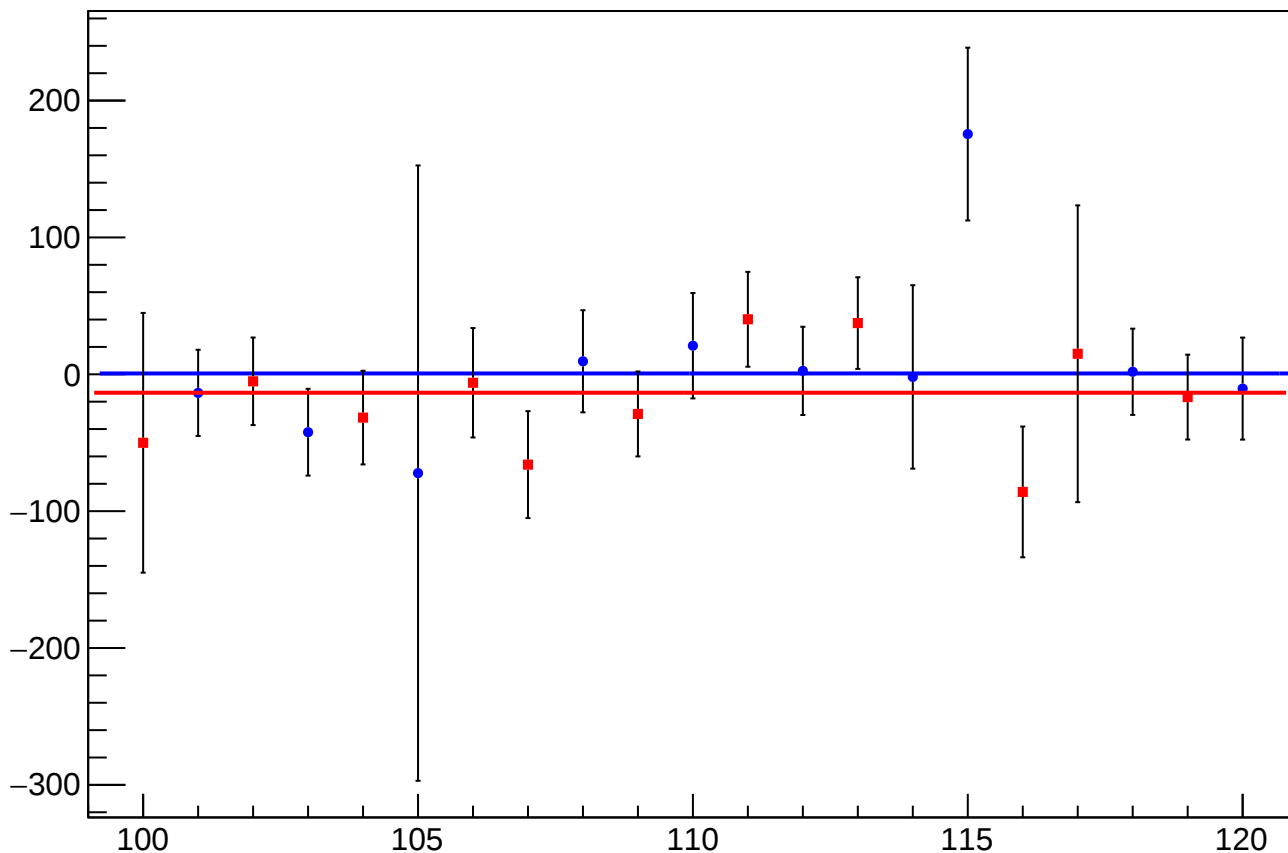
172.847+/-0.069  $\chi^2/\text{NDF}$ : 500060.4/9

Right Out: 155.664+/-0.060  $\chi^2/\text{NDF}$ : 885422.7/10

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

155.664+/-0.060  $\chi^2/\text{NDF}$ : 885422.7/10

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



Right In: 0.621+/-12.330  $\chi^2$ /NDF: 10.2/9

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

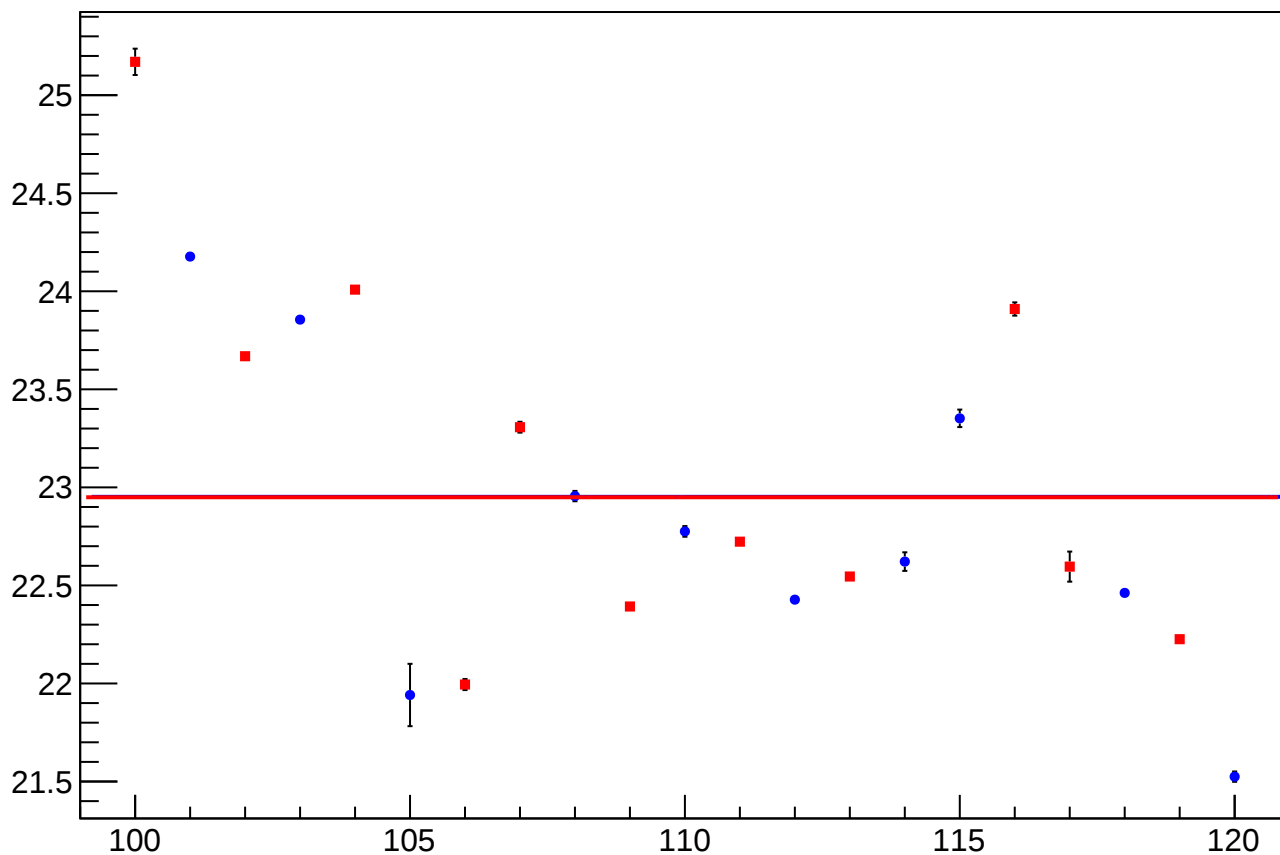
Right Out: -13.471+/-11.509  $\chi^2$ /NDF: 9.7/10

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

0.621+/-12.330  $\chi^2$ /NDF: 10.2/9

-13.471+/-11.509  $\chi^2$ /NDF: 9.7/10

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



Right In: 22.952+/-0.009  $\chi^2/\text{NDF}$ : 8803.5/9

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

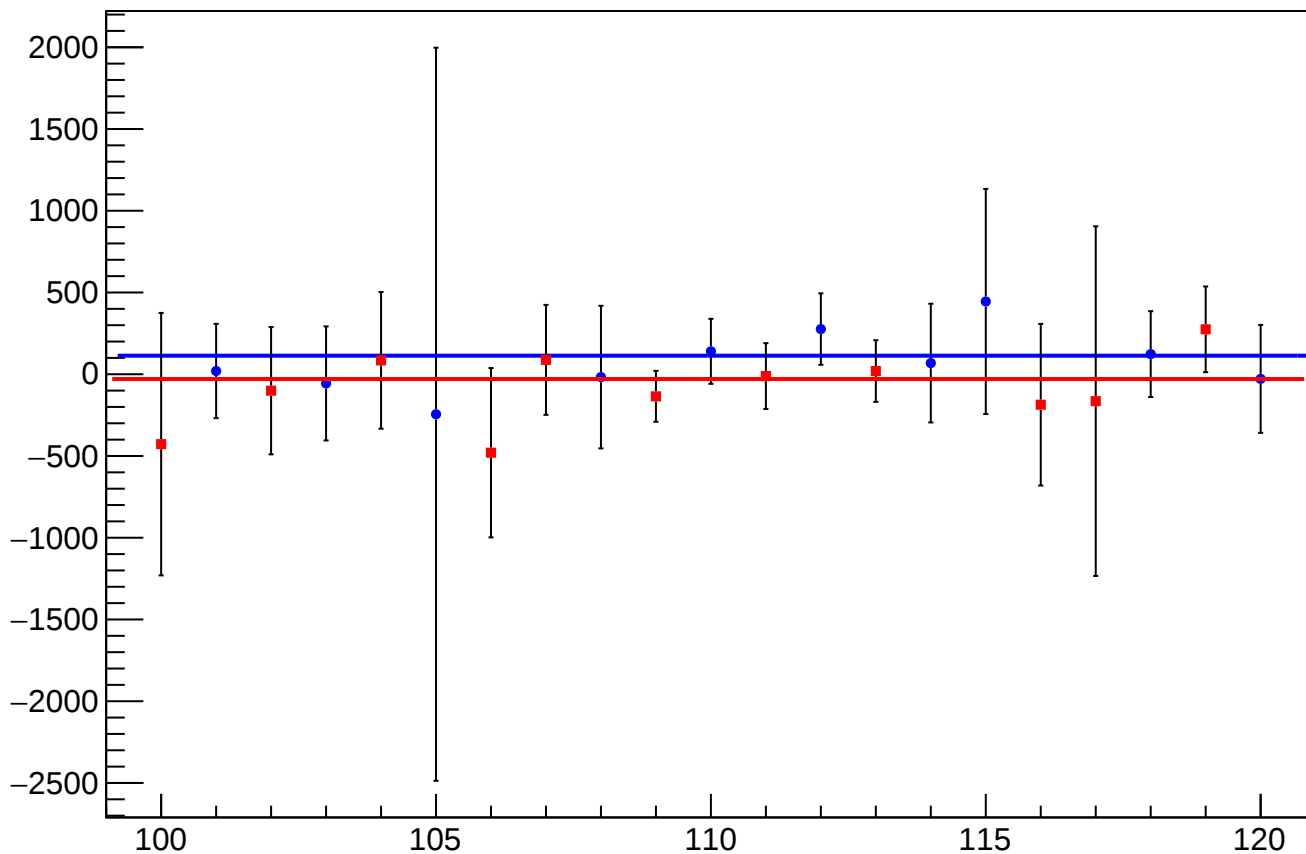
Right Out: 22.950+/-0.008  $\chi^2/\text{NDF}$ : 8269.7/10

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

22.952+/-0.009  $\chi^2/\text{NDF}$ : 8803.5/9

22.950+/-0.008  $\chi^2/\text{NDF}$ : 8269.7/10

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



Right In: 113.476+/-97.421  $\chi^2$ /NDF: 1.5/9

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

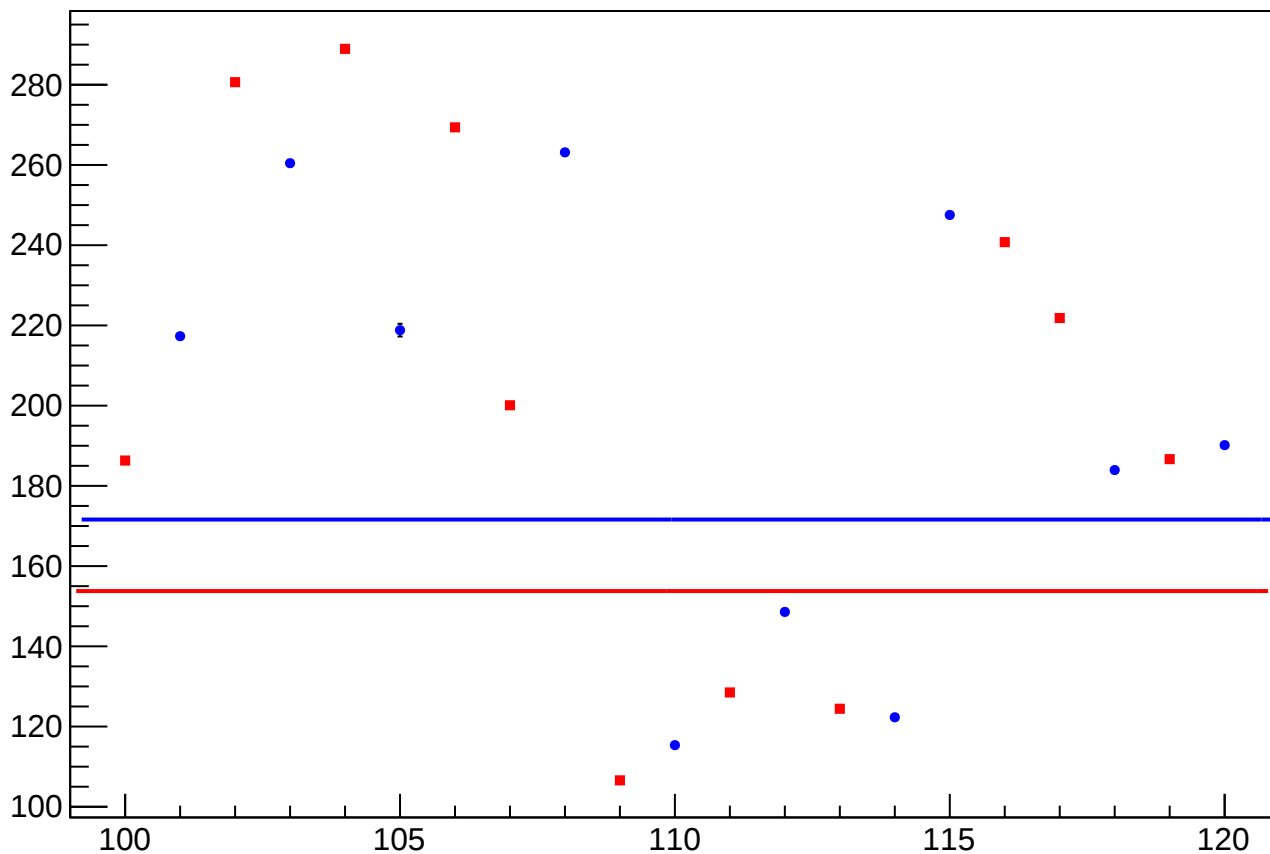
Right Out: -29.078+/-84.514  $\chi^2$ /NDF: 3.2/10

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

113.476+/-97.421  $\chi^2$ /NDF: 1.5/9

-29.078+/-84.514  $\chi^2$ /NDF: 3.2/10

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



Right In: 171.608+/-0.069  $\chi^2/\text{NDF}$ : 523510.8/9

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

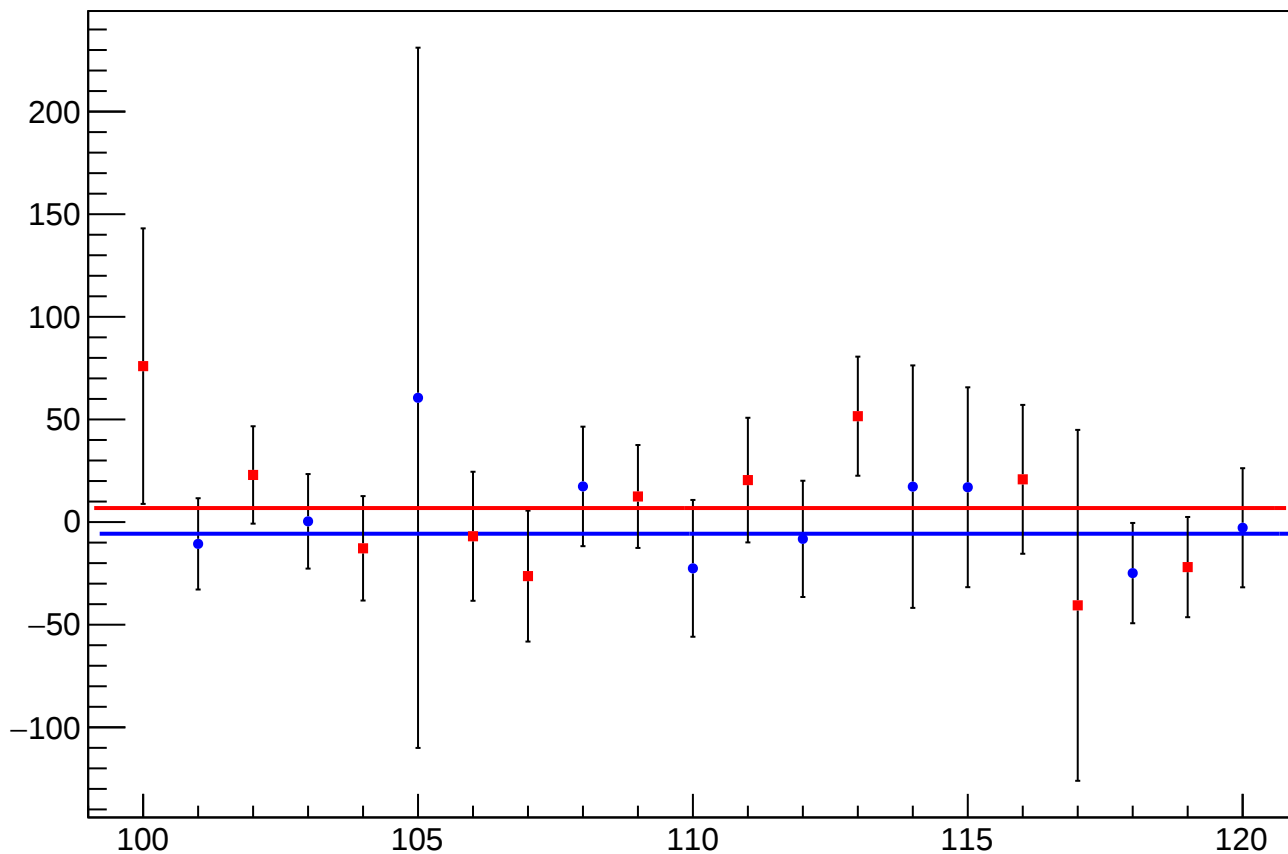
171.608+/-0.069  $\chi^2/\text{NDF}$ : 523510.8/9

Right Out: 153.779+/-0.060  $\chi^2/\text{NDF}$ : 927632.1/10

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

153.779+/-0.060  $\chi^2/\text{NDF}$ : 927632.1/10

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



Right In: -5.677+/-9.605  $\chi^2/\text{NDF}$ : 2.2/9

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

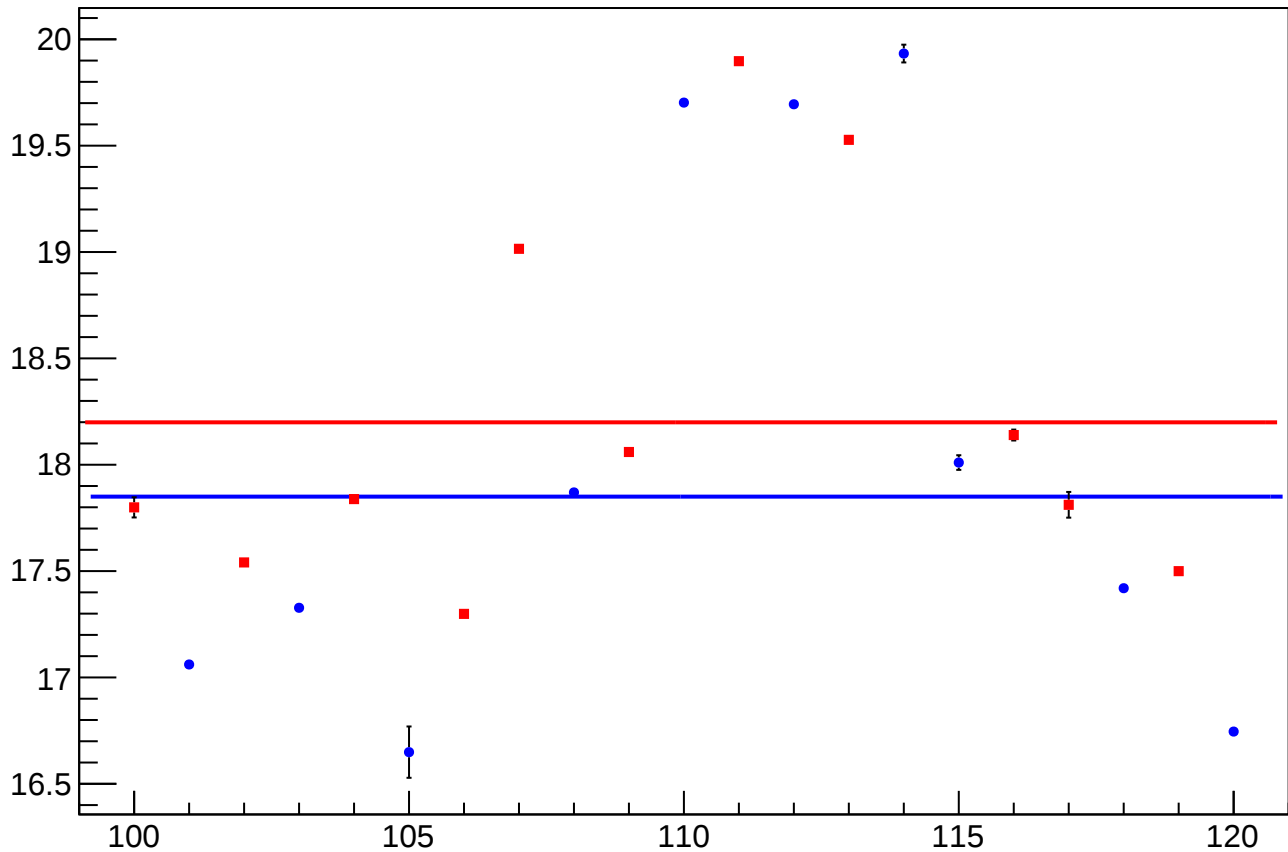
Right Out: 6.835+/-9.138  $\chi^2/\text{NDF}$ : 7.9/10

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

-5.677+/-9.605  $\chi^2/\text{NDF}$ : 2.2/9

6.835+/-9.138  $\chi^2/\text{NDF}$ : 7.9/10

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



Right In: 17.850+/-0.007  $\chi^2/\text{NDF}$ : 24338.0/9

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

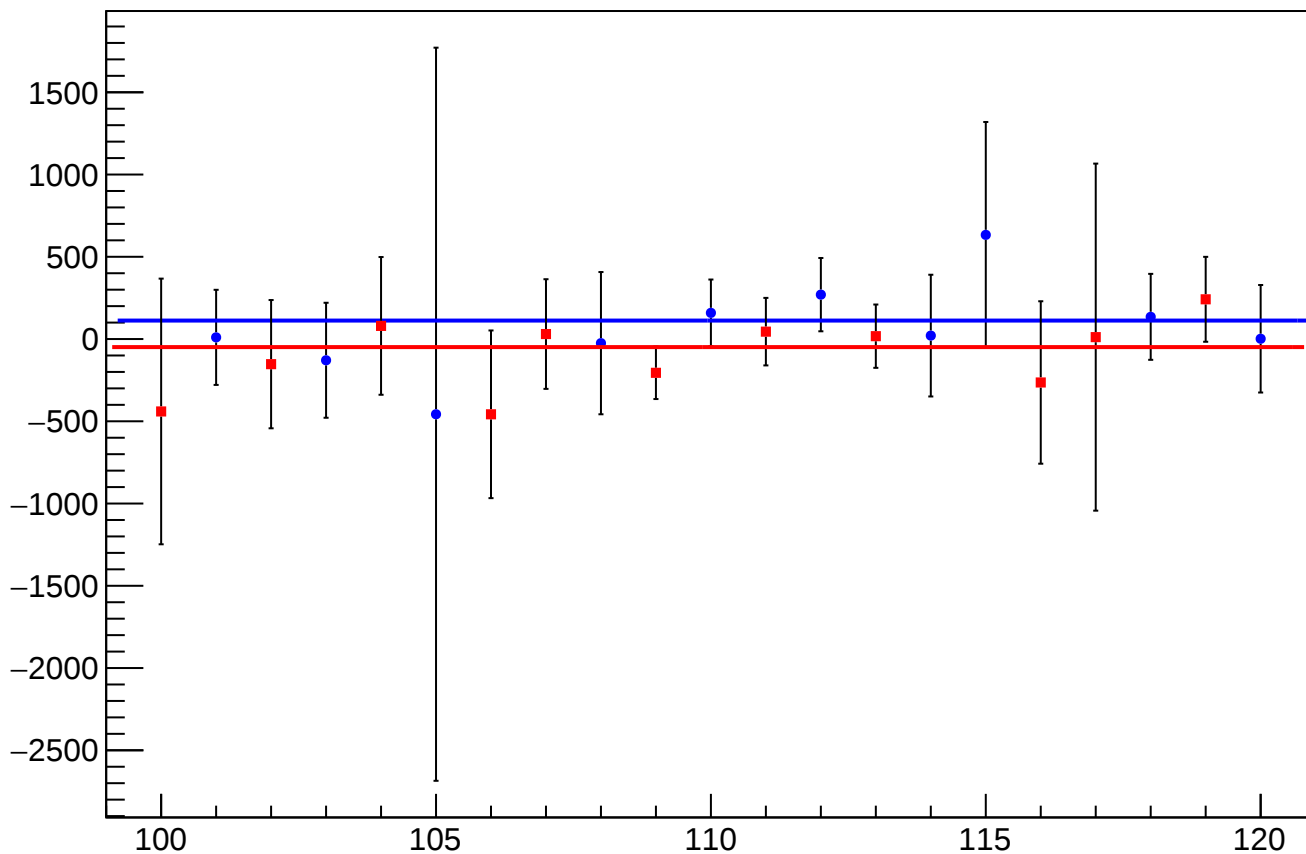
Right Out: 18.199+/-0.006  $\chi^2/\text{NDF}$ : 17158.3/10

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

17.850+/-0.007  $\chi^2/\text{NDF}$ : 24338.0/9

18.199+/-0.006  $\chi^2/\text{NDF}$ : 17158.3/10

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



Right In: 112.264+/-98.235  $\chi^2/\text{NDF}$ : 2.1/9

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

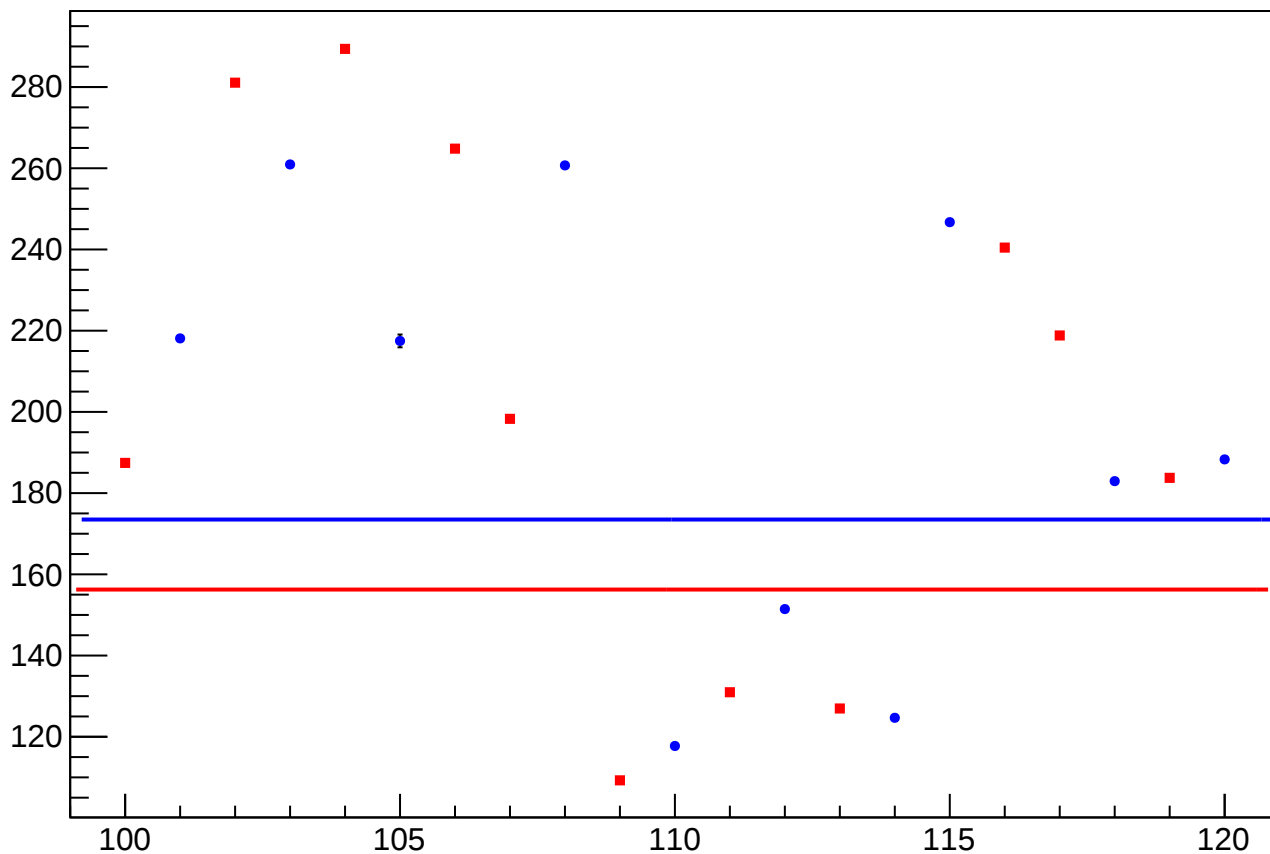
Right Out: -48.992+/-85.509  $\chi^2/\text{NDF}$ : 3.8/10

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

112.264+/-98.235  $\chi^2/\text{NDF}$ : 2.1/9

-48.992+/-85.509  $\chi^2/\text{NDF}$ : 3.8/10

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



Right In: 173.496+/-0.069  $\chi^2/\text{NDF}$ : 490221.5/9

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

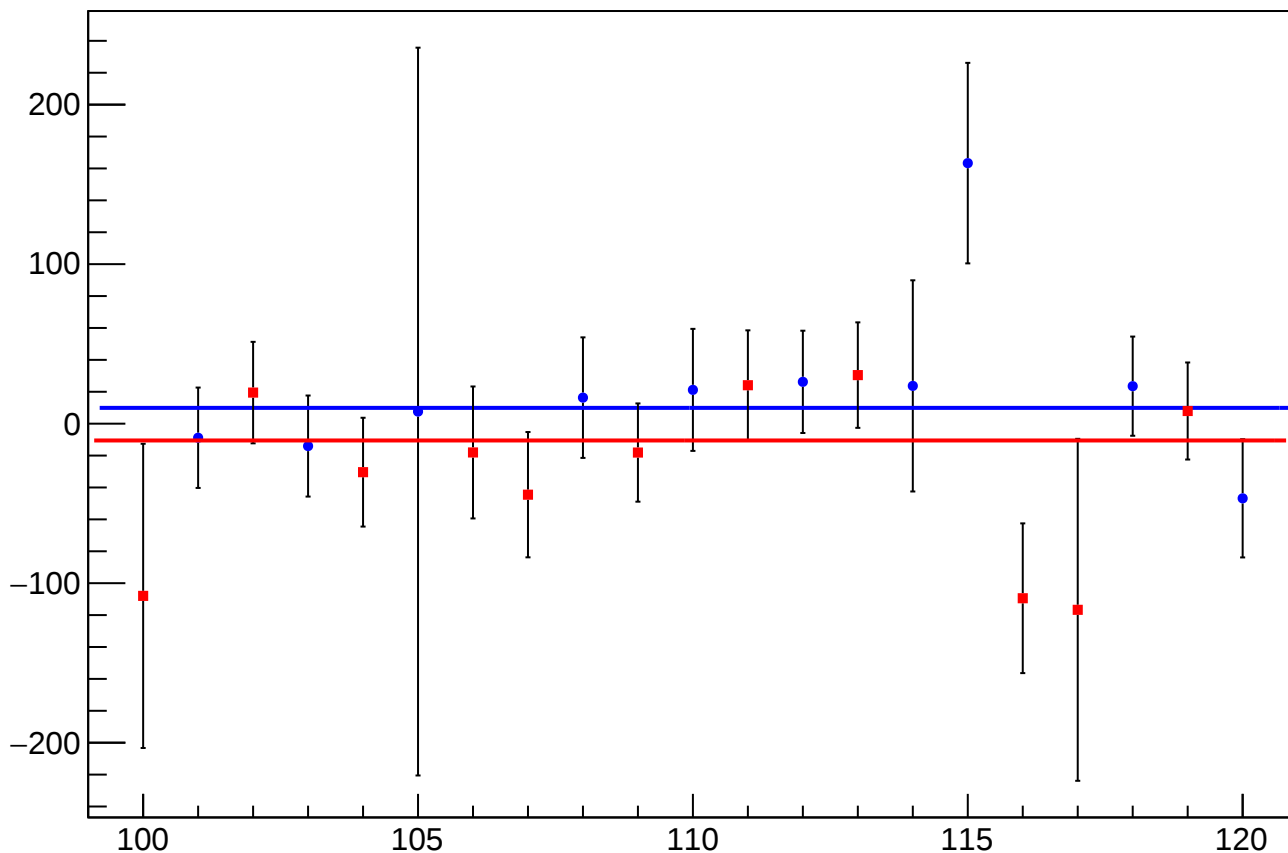
173.496+/-0.069  $\chi^2/\text{NDF}$ : 490221.5/9

Right Out: 156.255+/-0.060  $\chi^2/\text{NDF}$ : 871144.5/10

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

156.255+/-0.060  $\chi^2/\text{NDF}$ : 871144.5/10

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



Right In: 9.906+/-12.284  $\chi^2$ /NDF: 9.8/9

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

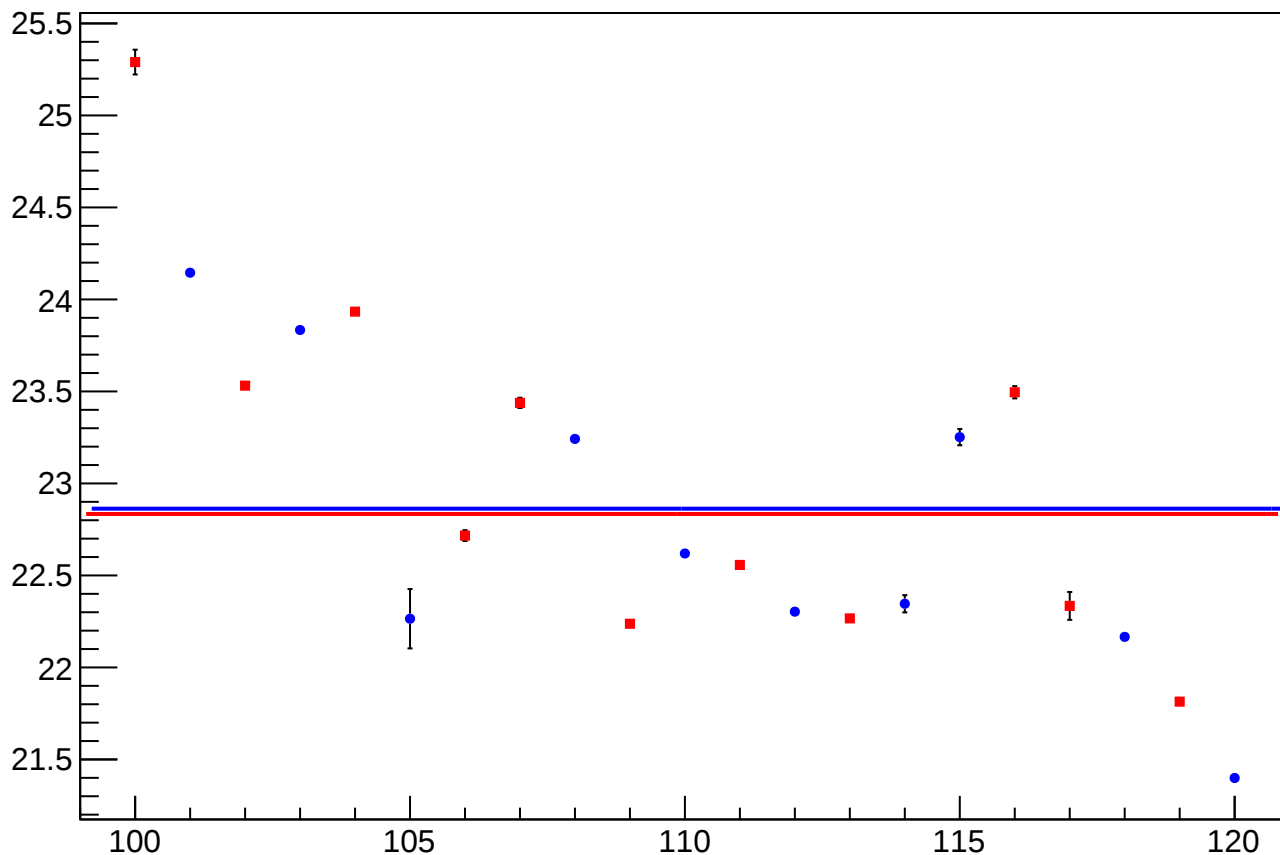
Right Out: -10.532+/-11.451  $\chi^2$ /NDF: 11.5/10

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

9.906+/-12.284  $\chi^2$ /NDF: 9.8/9

-10.532+/-11.451  $\chi^2$ /NDF: 11.5/10

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



Right In: 22.863+/-0.009  $\chi^2$ /NDF: 10430.9/9

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

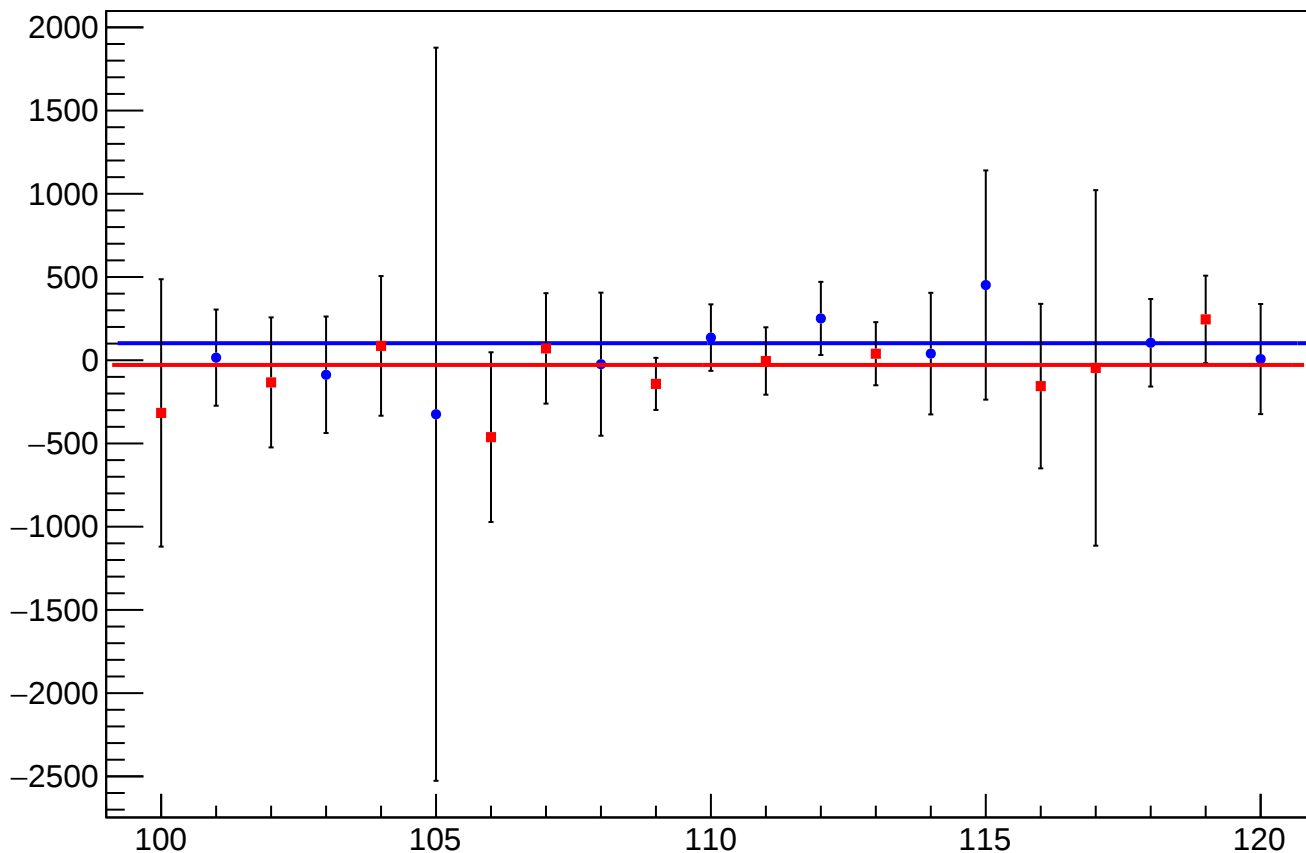
Right Out: 22.834+/-0.008  $\chi^2$ /NDF: 9014.2/10

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

22.863+/-0.009  $\chi^2$ /NDF: 10430.9/9

22.834+/-0.008  $\chi^2$ /NDF: 9014.2/10

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



Right In: 102.361+/-97.716  $\chi^2/\text{NDF}$ : 1.4/9

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

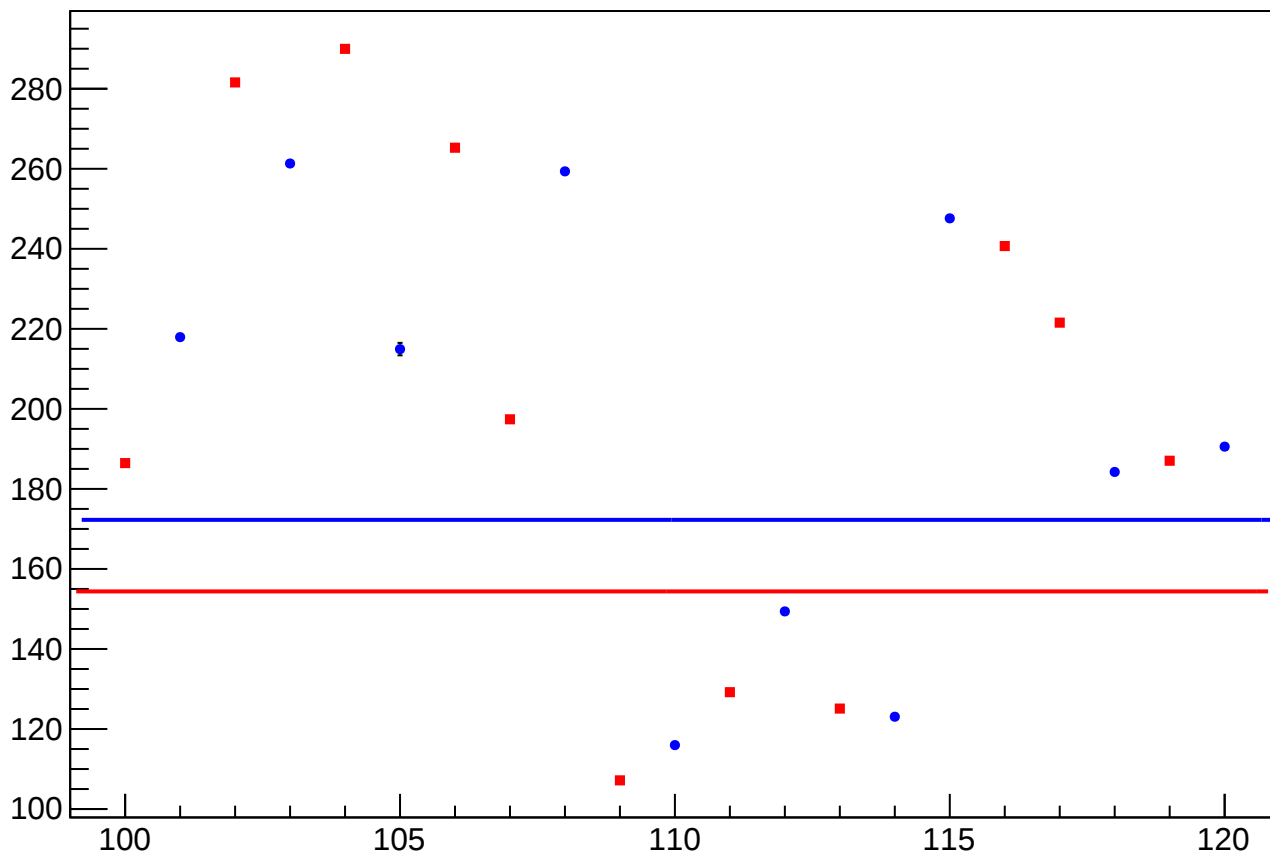
Right Out: -28.329+/-84.753  $\chi^2/\text{NDF}$ : 2.9/10

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

102.361+/-97.716  $\chi^2/\text{NDF}$ : 1.4/9

-28.329+/-84.753  $\chi^2/\text{NDF}$ : 2.9/10

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



Right In: 172.269+/-0.069  $\chi^2/\text{NDF}$ : 513263.7/9

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

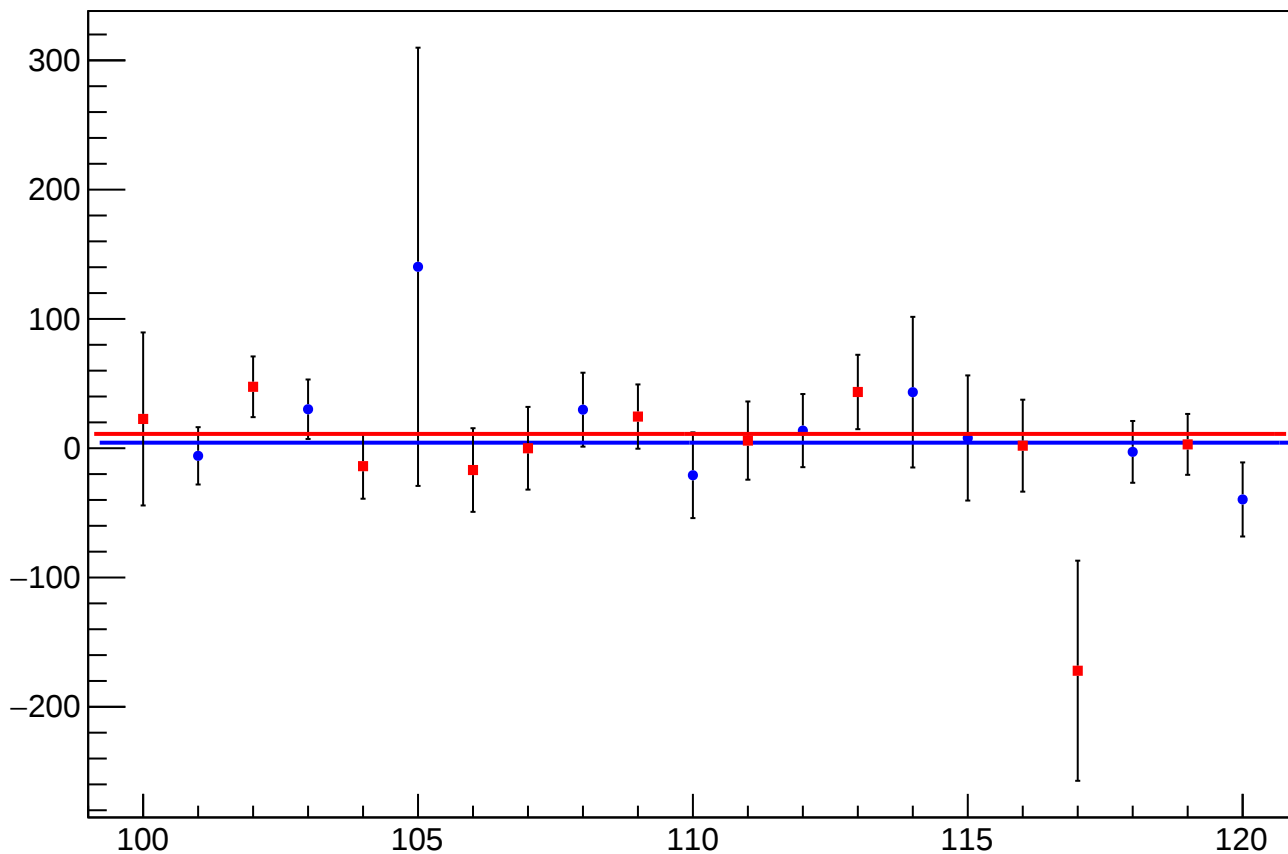
172.269+/-0.069  $\chi^2/\text{NDF}$ : 513263.7/9

Right Out: 154.386+/-0.060  $\chi^2/\text{NDF}$ : 912799.1/10

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

154.386+/-0.060  $\chi^2/\text{NDF}$ : 912799.1/10

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



Right In: 4.295+/-9.520  $\chi^2/\text{NDF}$ : 6.5/9

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

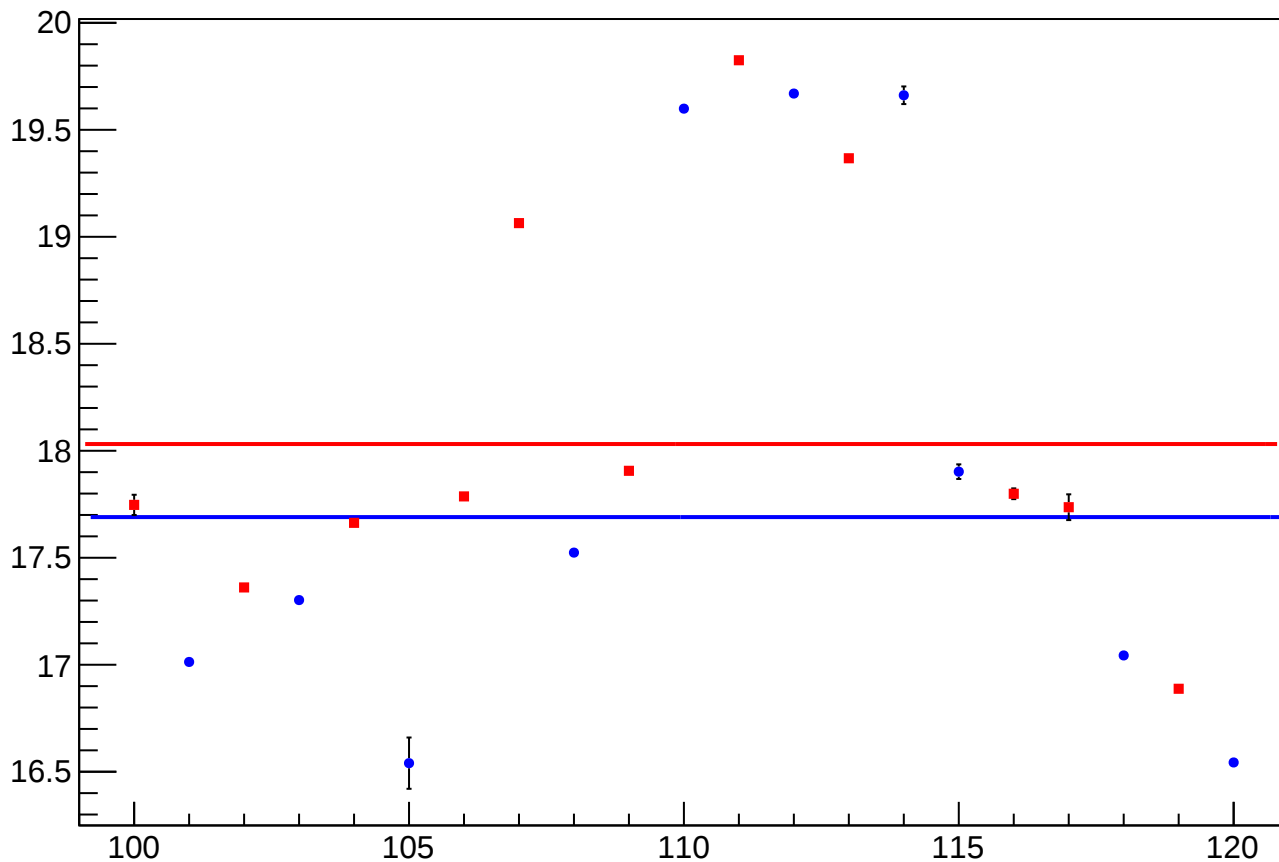
Right Out: 11.077+/-9.054  $\chi^2/\text{NDF}$ : 10.7/10

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

4.295+/-9.520  $\chi^2/\text{NDF}$ : 6.5/9

11.077+/-9.054  $\chi^2/\text{NDF}$ : 10.7/10

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



Right In: 17.690+/-0.007  $\chi^2/\text{NDF}$ : 26019.0/9

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

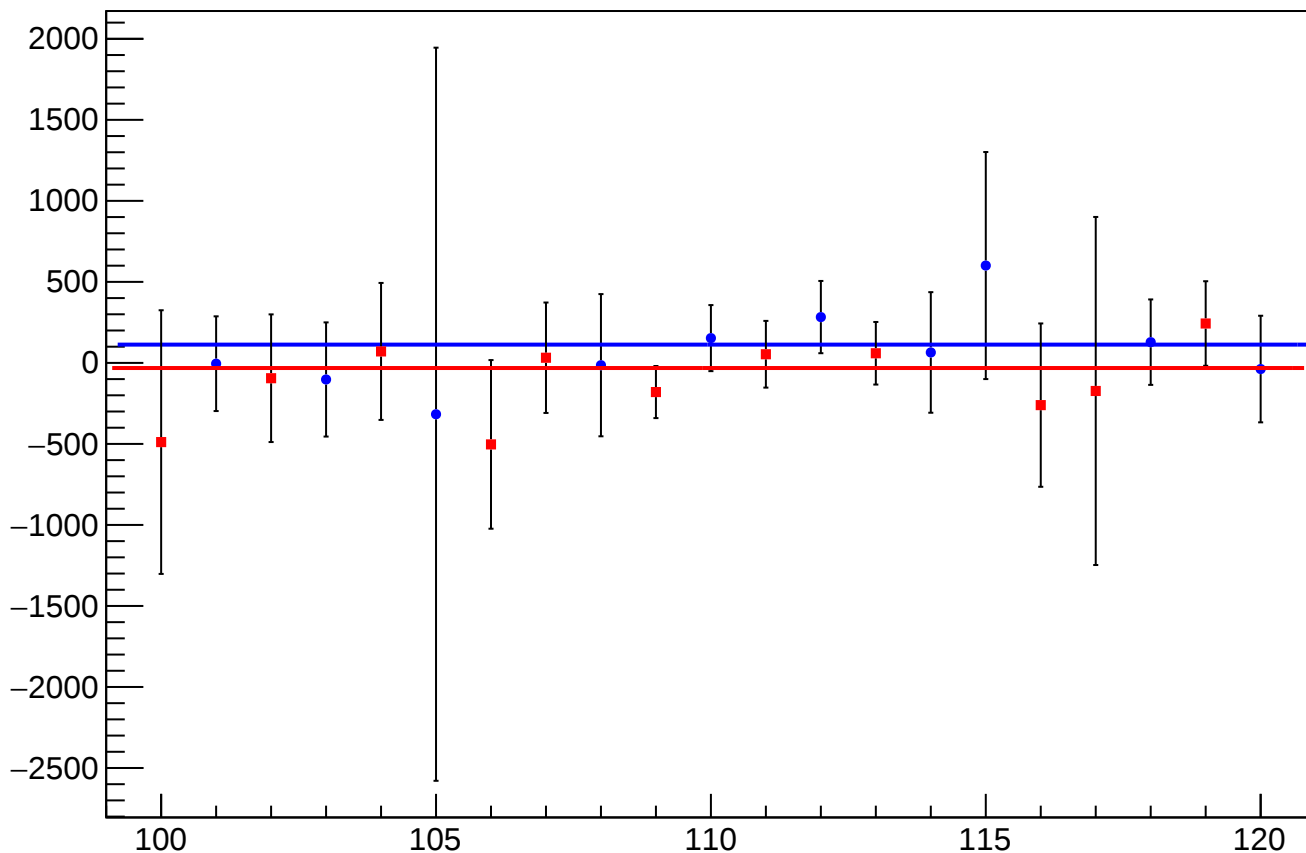
Right Out: 18.031+/-0.006  $\chi^2/\text{NDF}$ : 20512.7/10

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

17.690+/-0.007  $\chi^2/\text{NDF}$ : 26019.0/9

18.031+/-0.006  $\chi^2/\text{NDF}$ : 20512.7/10

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



Right In: 112.824 $\pm$ 98.906  $\chi^2$ /NDF: 2.0/9

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

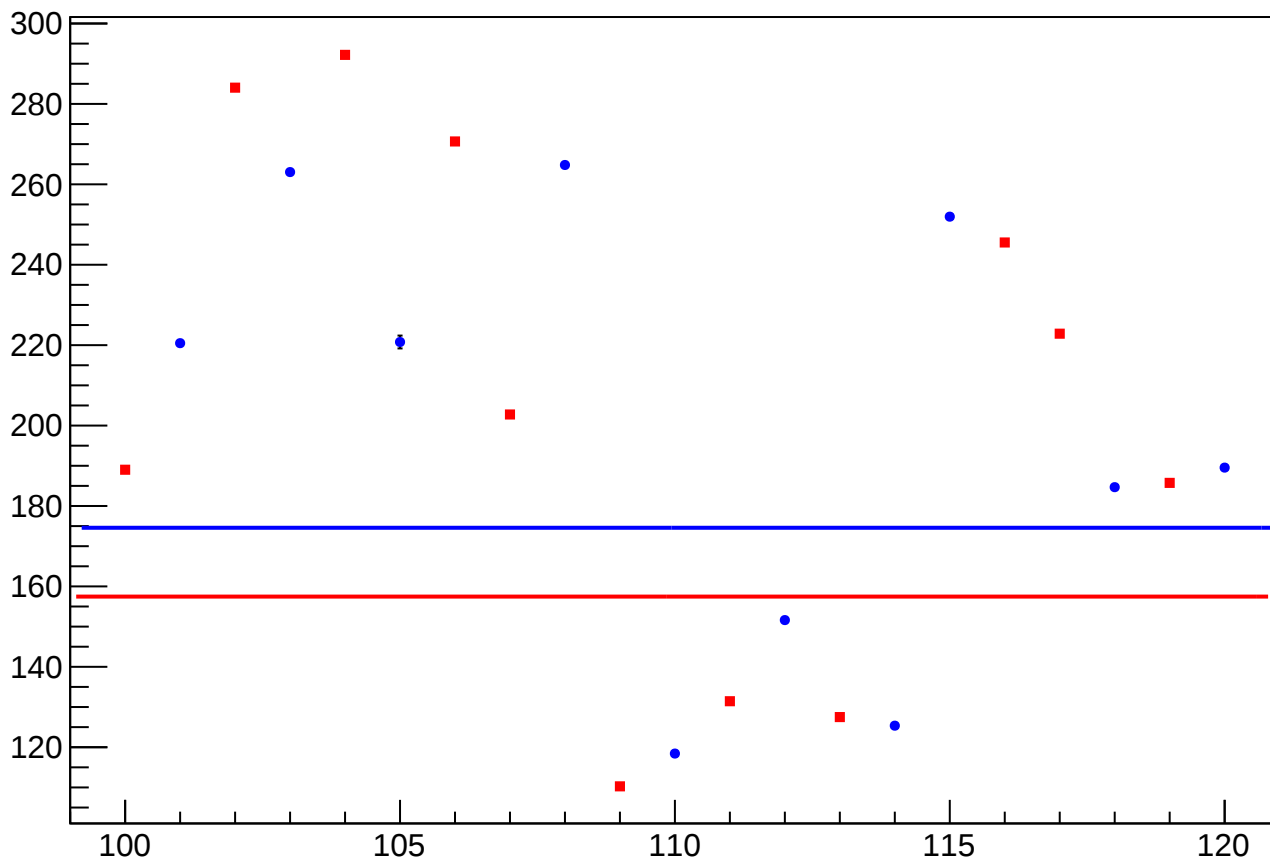
Right Out: -31.600 $\pm$ 86.235  $\chi^2$ /NDF: 3.8/10

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

112.824 $\pm$ 98.906  $\chi^2$ /NDF: 2.0/9

-31.600 $\pm$ 86.235  $\chi^2$ /NDF: 3.8/10

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



Right In: 174.584+/-0.070  $\chi^2/\text{NDF}$ : 500352.4/9

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

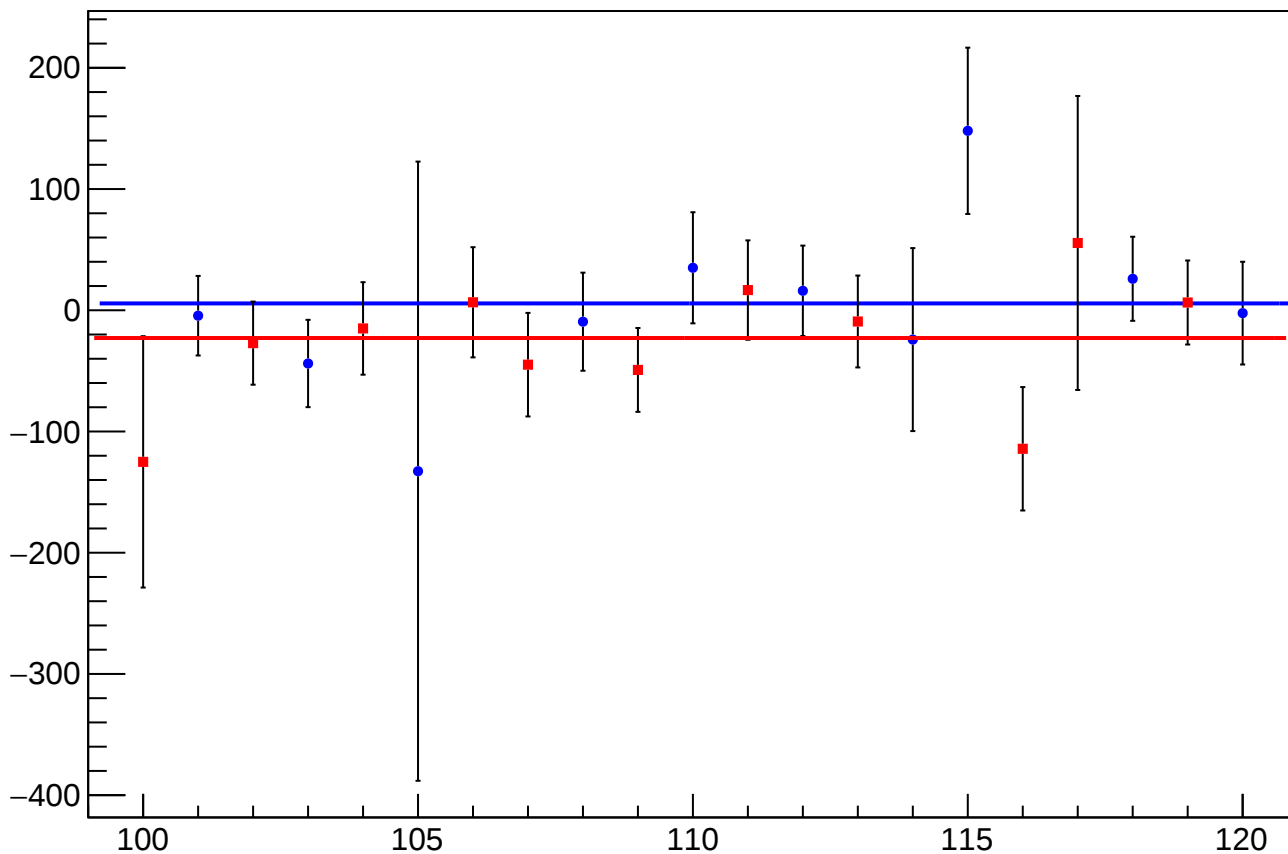
174.584+/-0.070  $\chi^2/\text{NDF}$ : 500352.4/9

Right Out: 157.467+/-0.061  $\chi^2/\text{NDF}$ : 887183.1/10

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

157.467+/-0.061  $\chi^2/\text{NDF}$ : 887183.1/10

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



Right In: 5.652+/-13.738  $\chi^2$ /NDF: 7.8/9

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

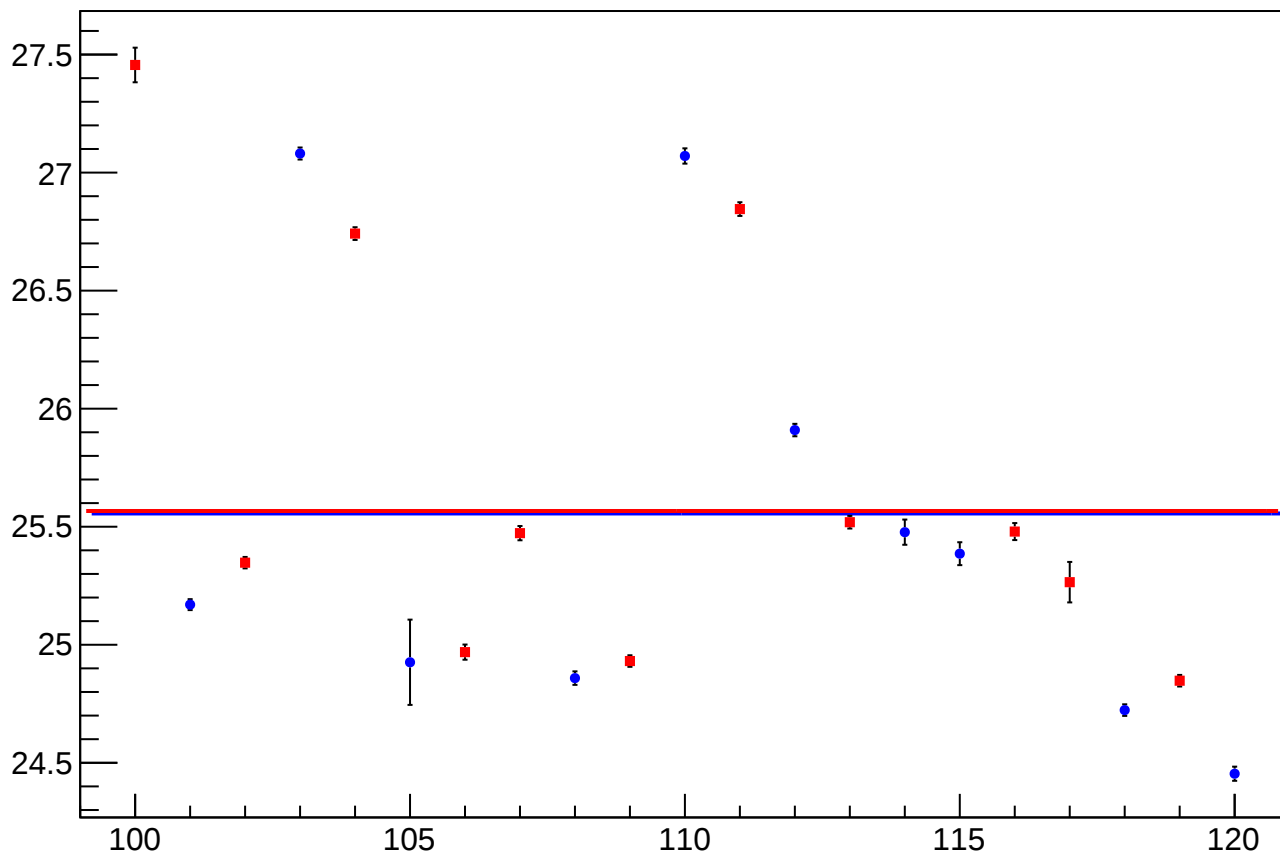
Right Out: -22.889+/-12.828  $\chi^2$ /NDF: 7.7/10

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

5.652+/-13.738  $\chi^2$ /NDF: 7.8/9

-22.889+/-12.828  $\chi^2$ /NDF: 7.7/10

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



Right In: 25.556+/-0.010  $\chi^2/\text{NDF}$ : 9353.4/9

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

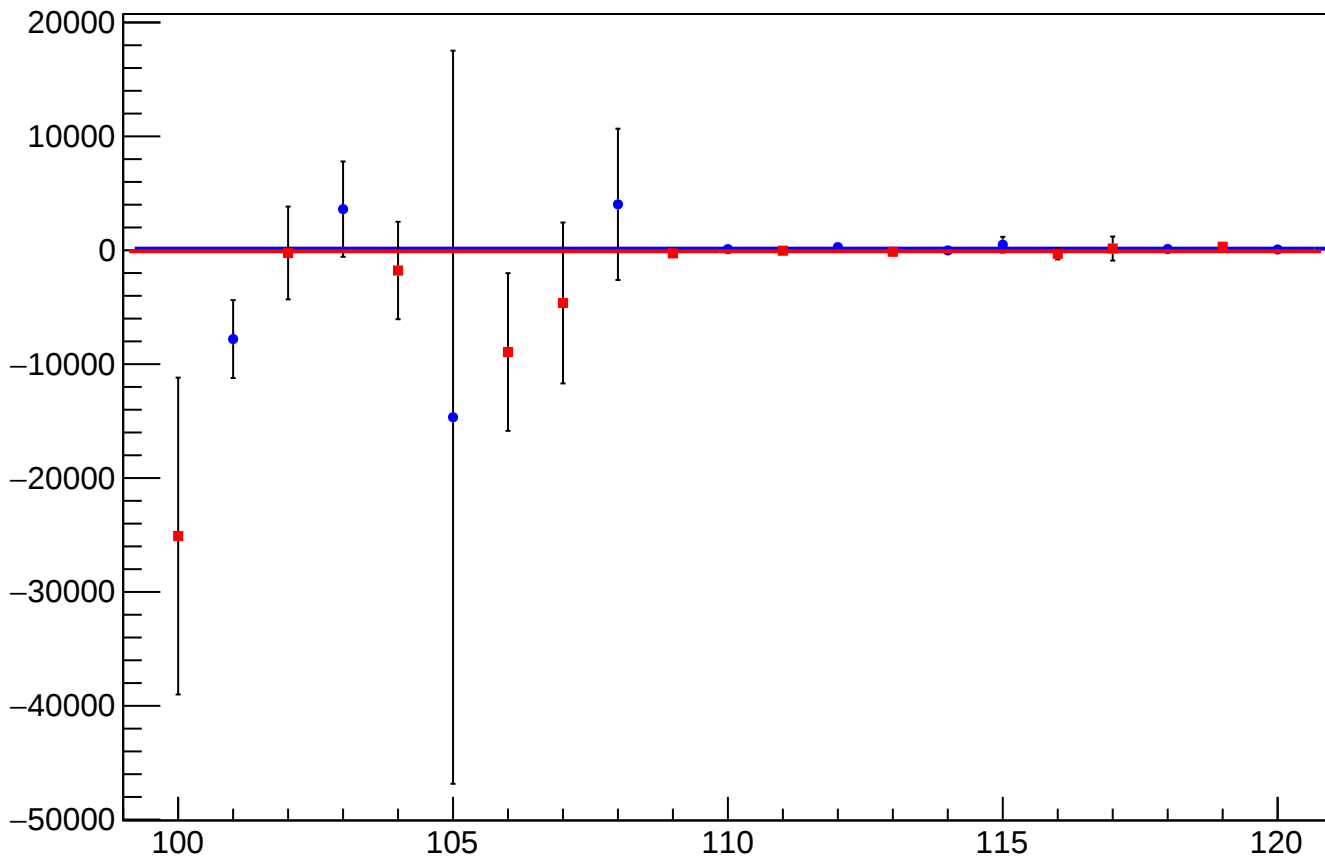
Right Out: 25.567+/-0.009  $\chi^2/\text{NDF}$ : 6502.7/10

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

25.556+/-0.010  $\chi^2/\text{NDF}$ : 9353.4/9

25.567+/-0.009  $\chi^2/\text{NDF}$ : 6502.7/10

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



Right In: 139.833+/-113.003  $\chi^2/\text{NDF}$ : 7.5/9

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

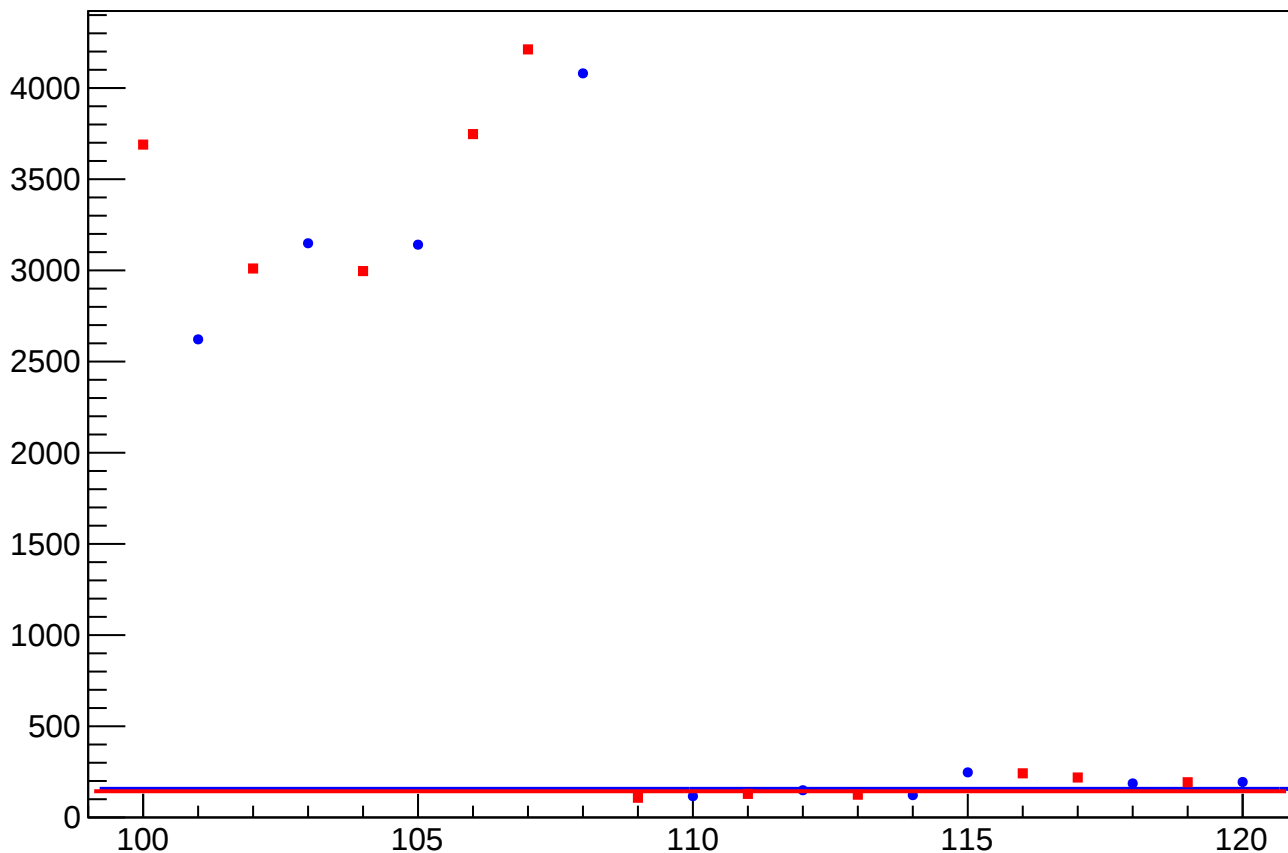
139.833+/-113.003  $\chi^2/\text{NDF}$ : 7.5/9

Right Out: -84.273+/-103.963  $\chi^2/\text{NDF}$ : 8.7/10

-84.273+/-103.963  $\chi^2/\text{NDF}$ : 8.7/10

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

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



Right In: 156.813+/-0.080  $\chi^2/\text{NDF}$ : 2961246.2/9

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

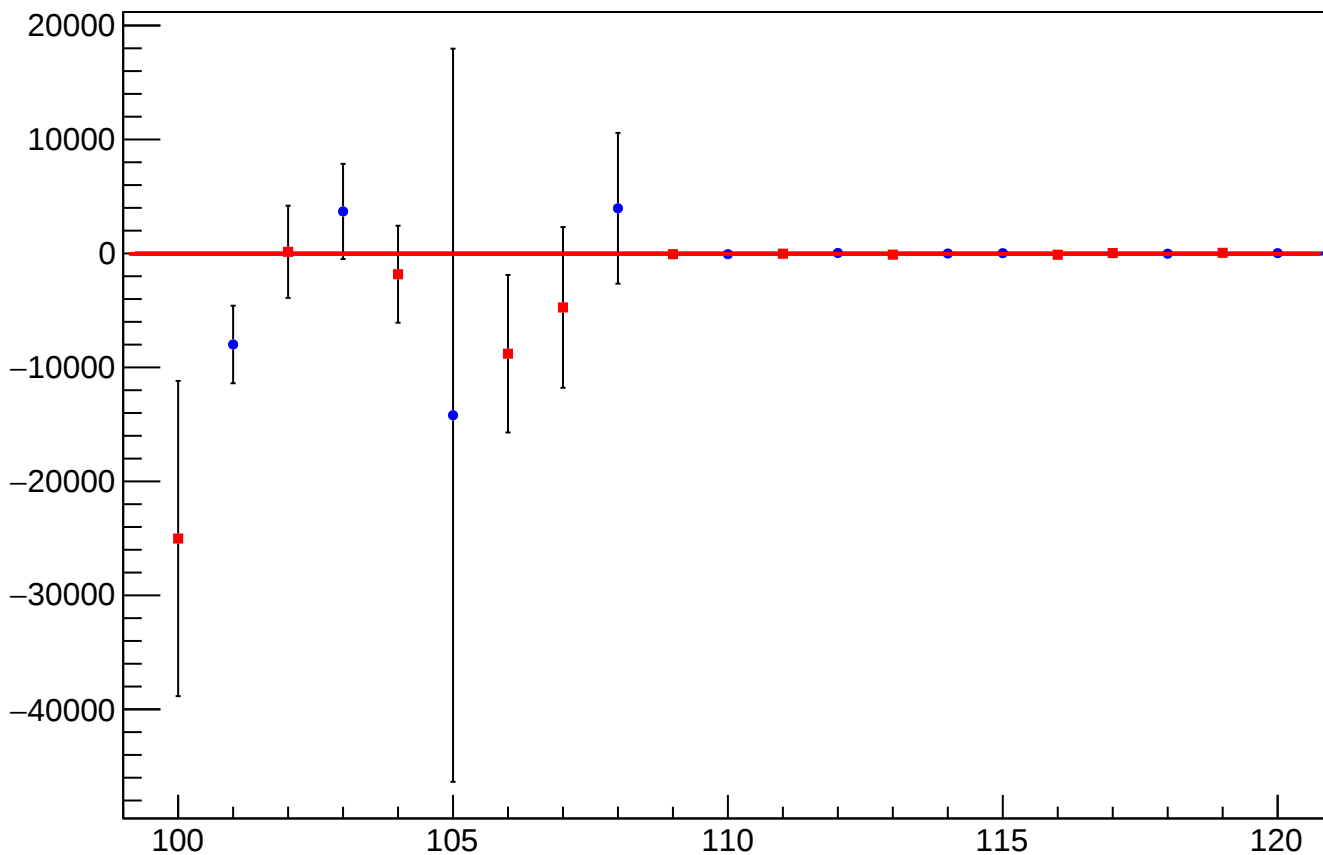
156.813+/-0.080  $\chi^2/\text{NDF}$ : 2961246.2/9

Right Out: 143.702+/-0.074  $\chi^2/\text{NDF}$ : 3455943.3/10

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

143.702+/-0.074  $\chi^2/\text{NDF}$ : 3455943.3/10

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



Right In: -1.418+/-19.950  $\chi^2/\text{NDF}$ : 10.8/9

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

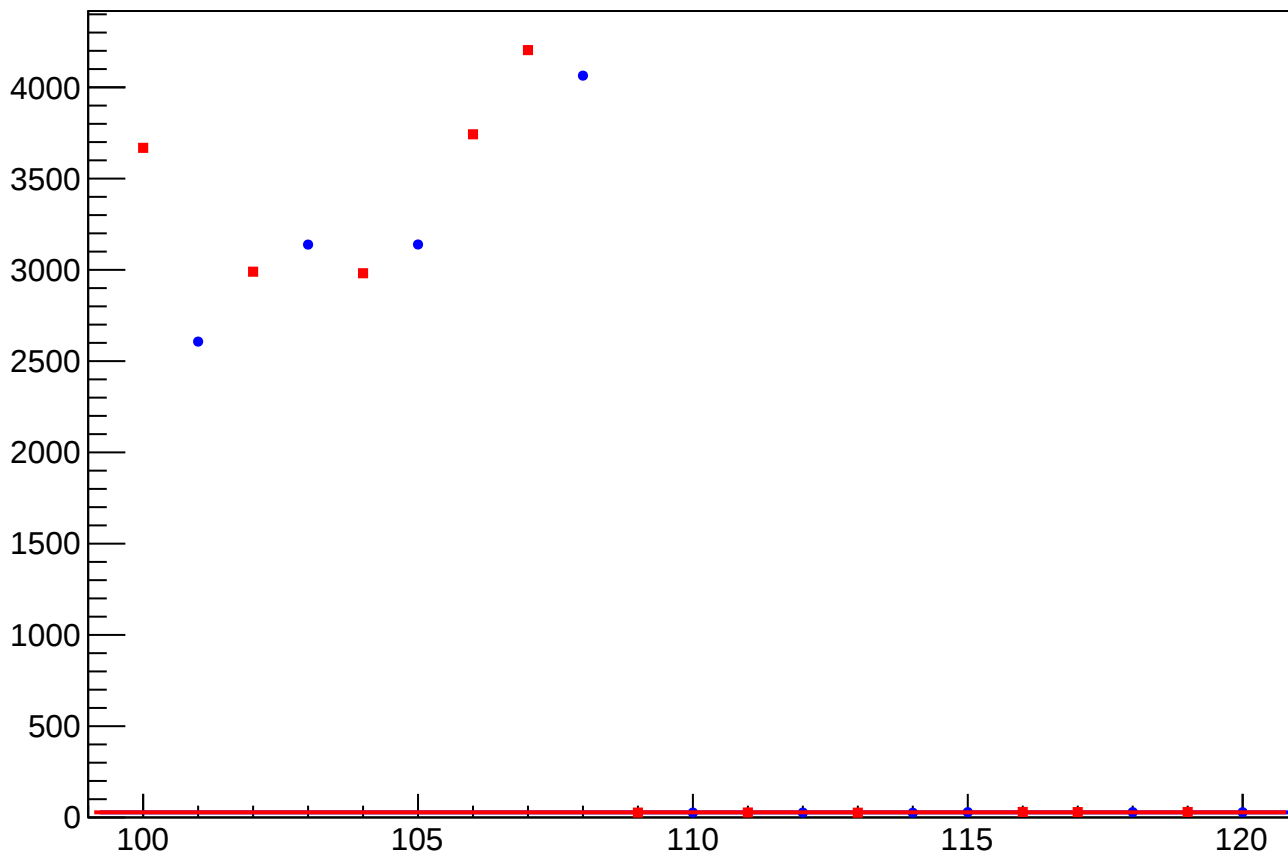
Right Out: -41.115+/-19.965  $\chi^2/\text{NDF}$ : 15.7/10

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

-1.418+/-19.950  $\chi^2/\text{NDF}$ : 10.8/9

-41.115+/-19.965  $\chi^2/\text{NDF}$ : 15.7/10

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



Right In: 27.842+/-0.014  $\chi^2/\text{NDF}$ : 3032535.2/9

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

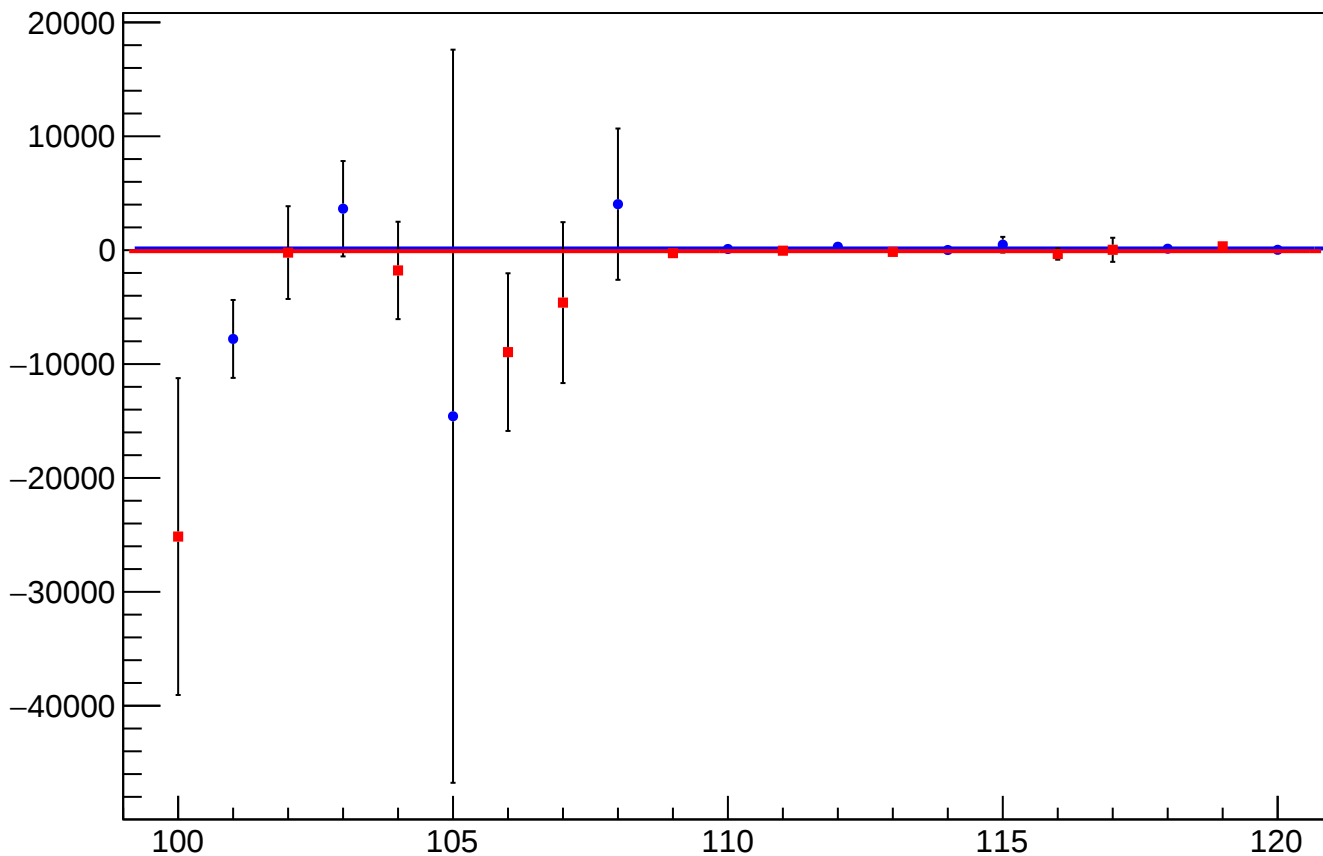
Right Out: 28.046+/-0.014  $\chi^2/\text{NDF}$ : 3468282.9/10

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

27.842+/-0.014  $\chi^2/\text{NDF}$ : 3032535.2/9

28.046+/-0.014  $\chi^2/\text{NDF}$ : 3468282.9/10

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



Right In: 149.659+/-112.526  $\chi^2/\text{NDF}$ : 7.7/9

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

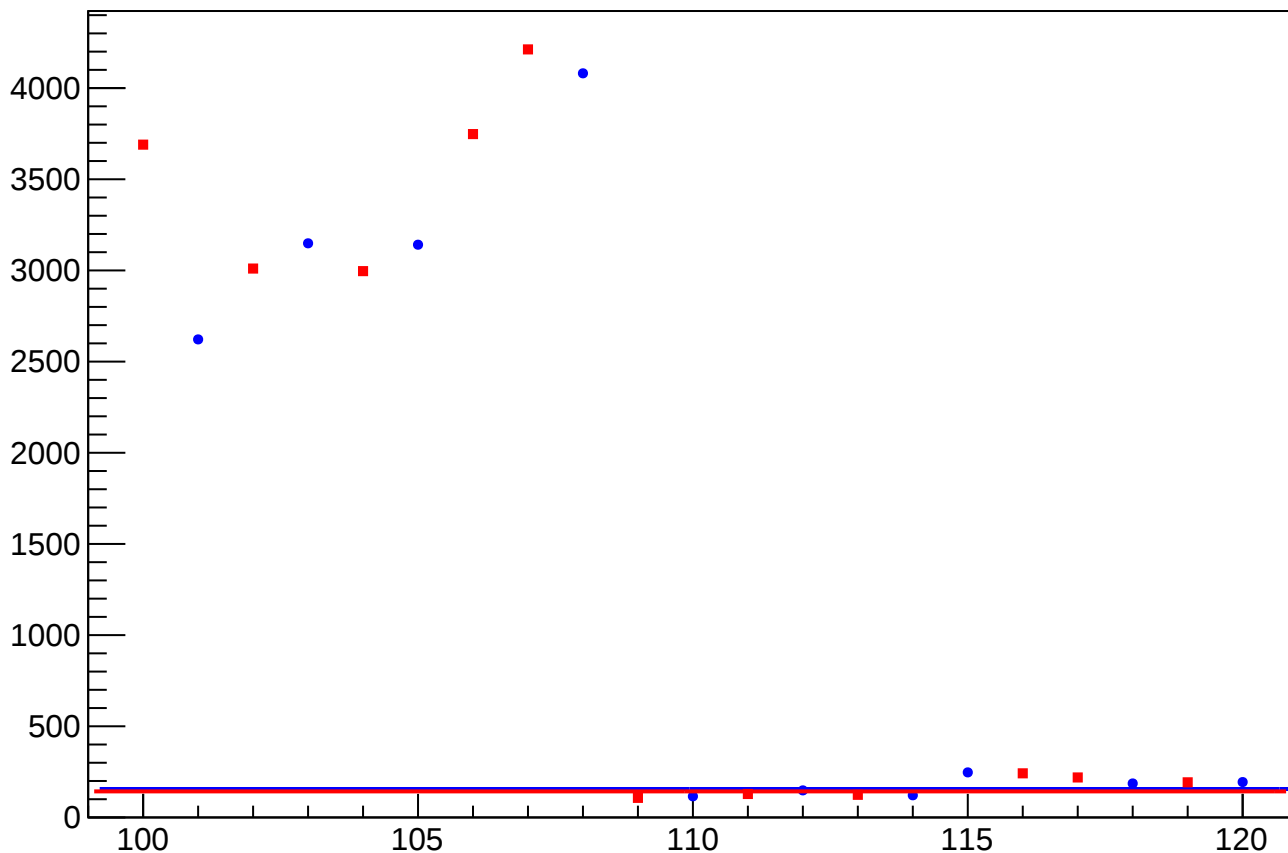
149.659+/-112.526  $\chi^2/\text{NDF}$ : 7.7/9

Right Out: -88.211+/-103.485  $\chi^2/\text{NDF}$ : 9.0/10

-88.211+/-103.485  $\chi^2/\text{NDF}$ : 9.0/10

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

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



Right In: 156.068+/-0.080  $\chi^2/\text{NDF}$ : 2965245.8/9

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

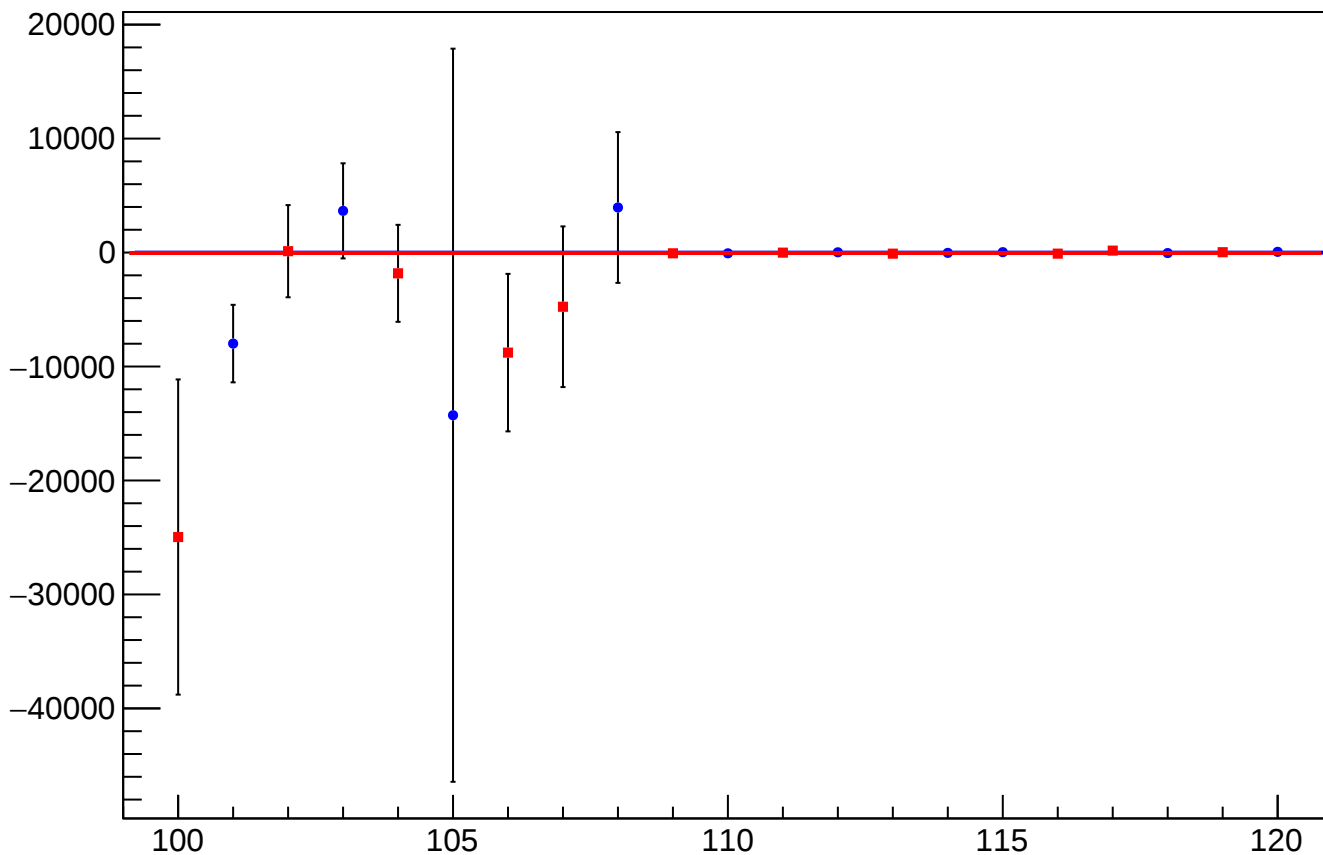
156.068+/-0.080  $\chi^2/\text{NDF}$ : 2965245.8/9

Right Out: 142.948+/-0.073  $\chi^2/\text{NDF}$ : 3460571.6/10

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

142.948+/-0.073  $\chi^2/\text{NDF}$ : 3460571.6/10

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



Right In: -7.612+/-20.039  $\chi^2/\text{NDF}$ : 12.3/9

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

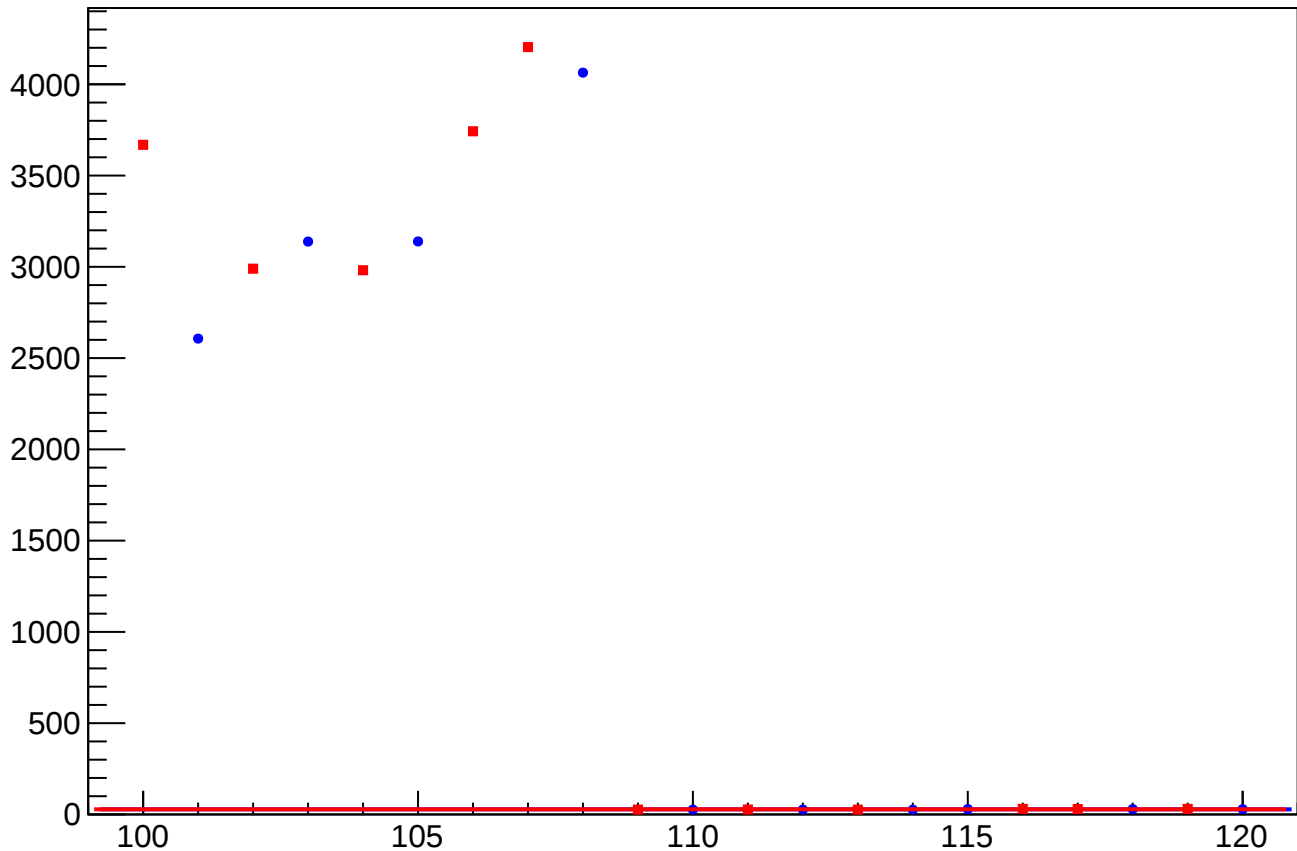
Right Out: -37.844+/-20.095  $\chi^2/\text{NDF}$ : 14.2/10

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

-7.612+/-20.039  $\chi^2/\text{NDF}$ : 12.3/9

-37.844+/-20.095  $\chi^2/\text{NDF}$ : 14.2/10

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



Right In: 27.963+/-0.014  $\chi^2/\text{NDF}$ : 3033246.0/9

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

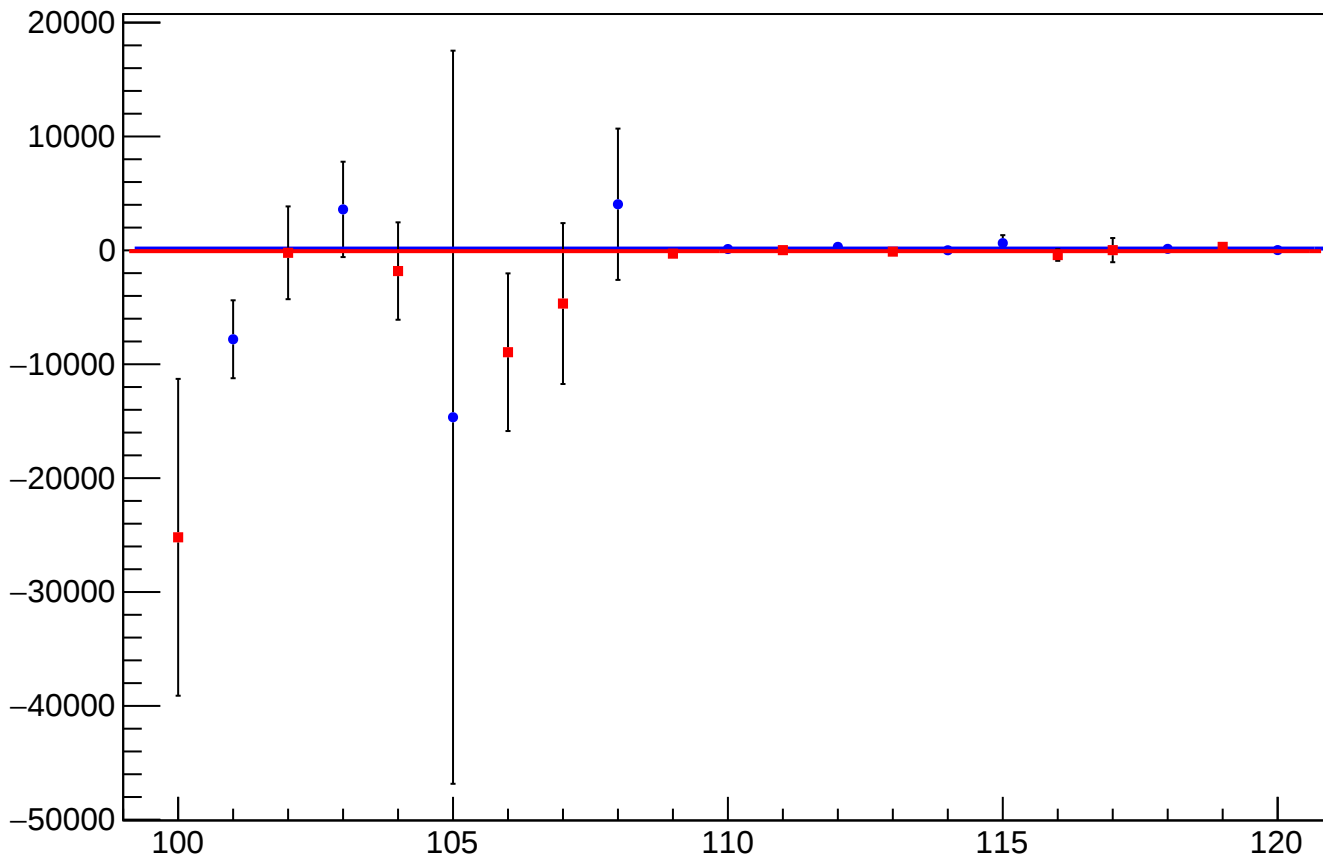
27.963+/-0.014  $\chi^2/\text{NDF}$ : 3033246.0/9

Right Out: 28.222+/-0.014  $\chi^2/\text{NDF}$ : 3470236.1/10

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

28.222+/-0.014  $\chi^2/\text{NDF}$ : 3470236.1/10

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



Right In: 158.042+/-114.219  $\chi^2/\text{NDF}$ : 7.9/9

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

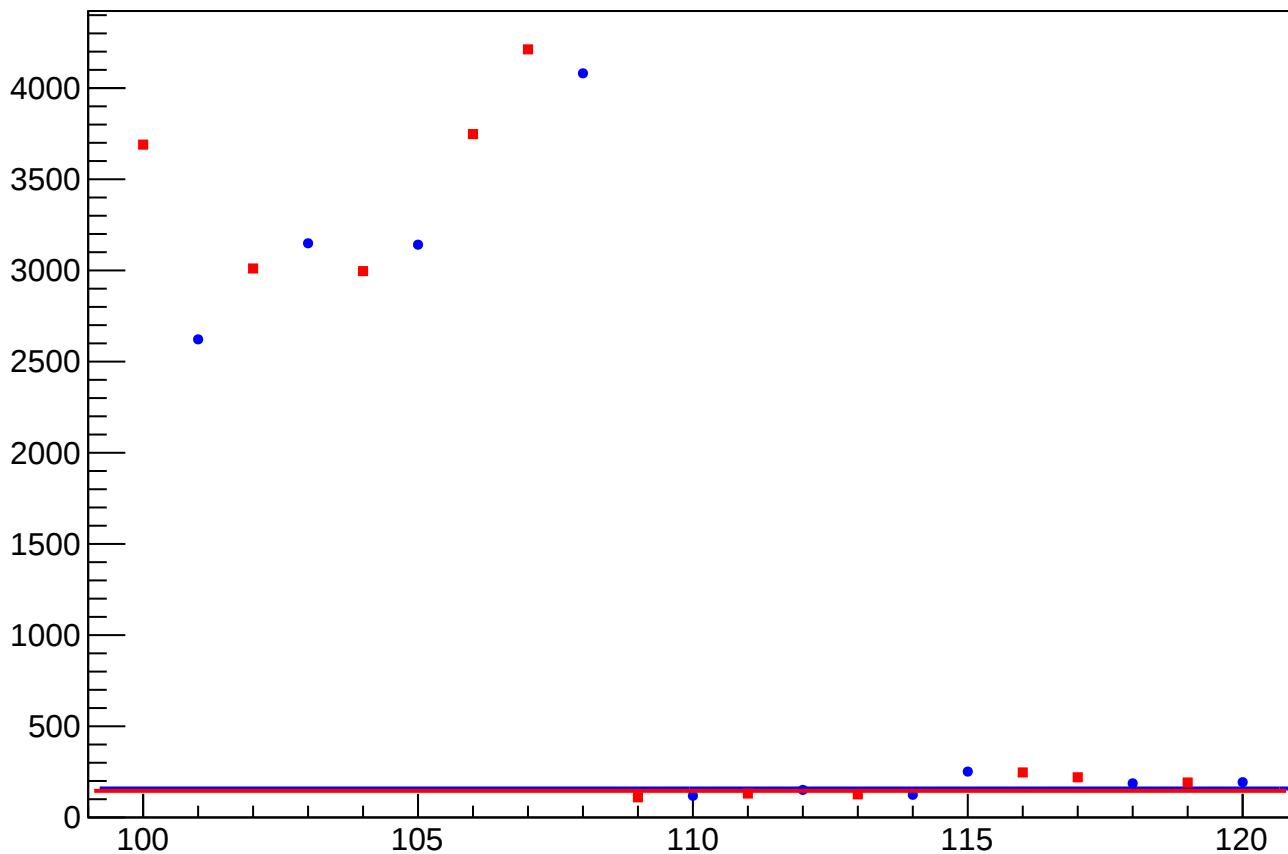
158.042+/-114.219  $\chi^2/\text{NDF}$ : 7.9/9

Right Out: -70.064+/-105.342  $\chi^2/\text{NDF}$ : 9.1/10

-70.064+/-105.342  $\chi^2/\text{NDF}$ : 9.1/10

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

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



Right In: 158.809 $\pm$ 0.081  $\chi^2$ /NDF: 2947463.4/9

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

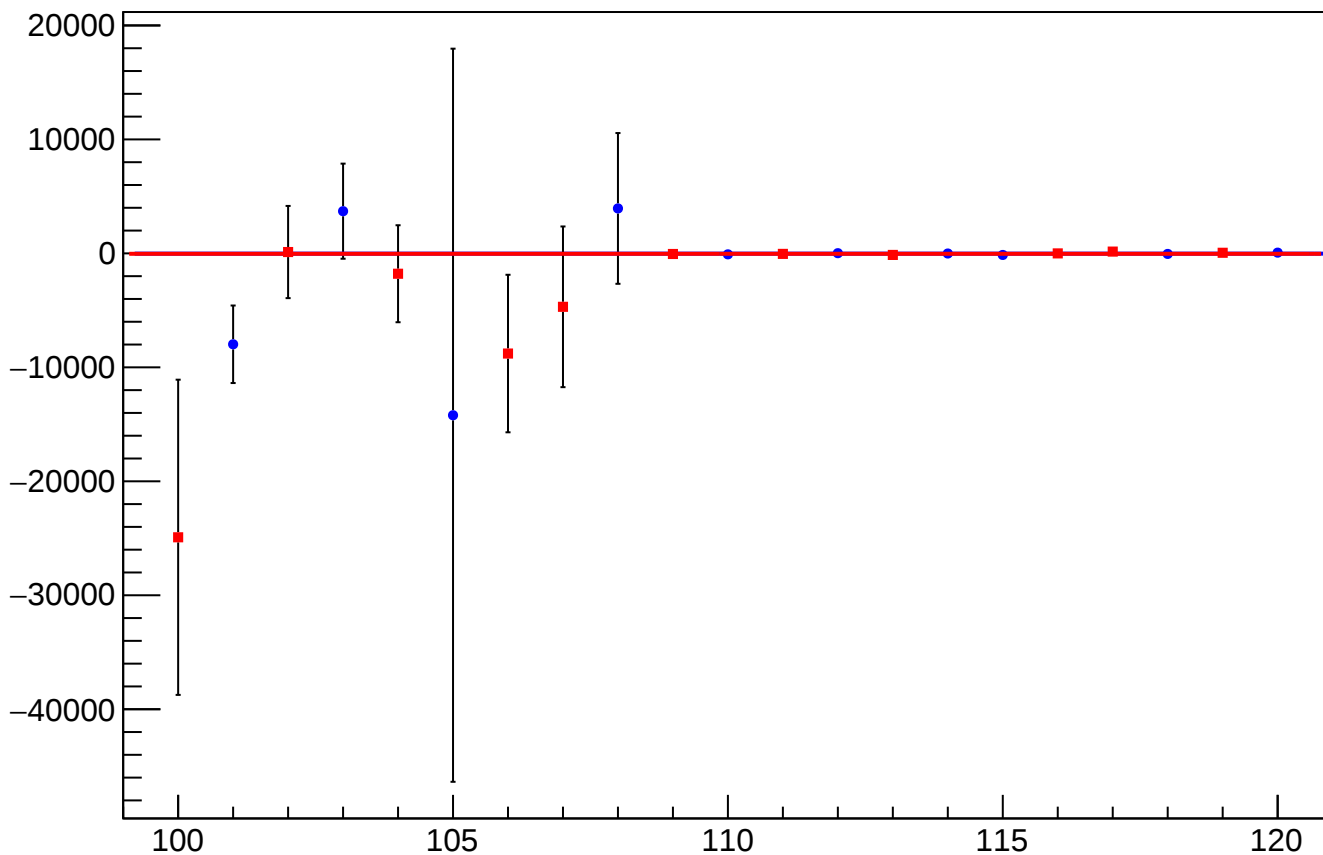
158.809 $\pm$ 0.081  $\chi^2$ /NDF: 2947463.4/9

Right Out: 145.973 $\pm$ 0.074  $\chi^2$ /NDF: 3440723.3/10

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

145.973 $\pm$ 0.074  $\chi^2$ /NDF: 3440723.3/10

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



Right In: -23.326+/-24.397  $\chi^2$ /NDF: 12.7/9

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

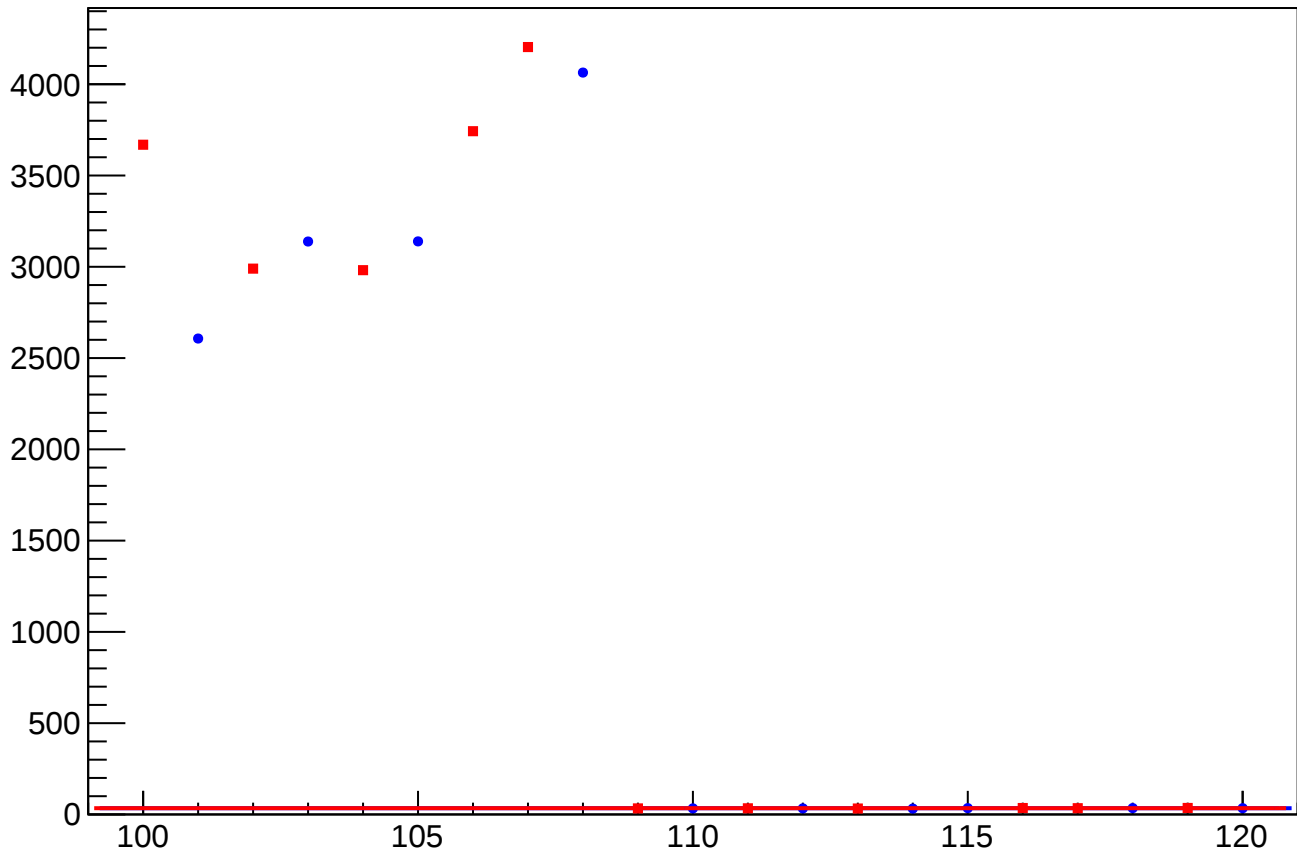
Right Out: -36.535+/-24.332  $\chi^2$ /NDF: 14.7/10

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

-23.326+/-24.397  $\chi^2$ /NDF: 12.7/9

-36.535+/-24.332  $\chi^2$ /NDF: 14.7/10

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



Right In: 34.139+/-0.017  $\chi^2/\text{NDF}$ : 3014909.4/9

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

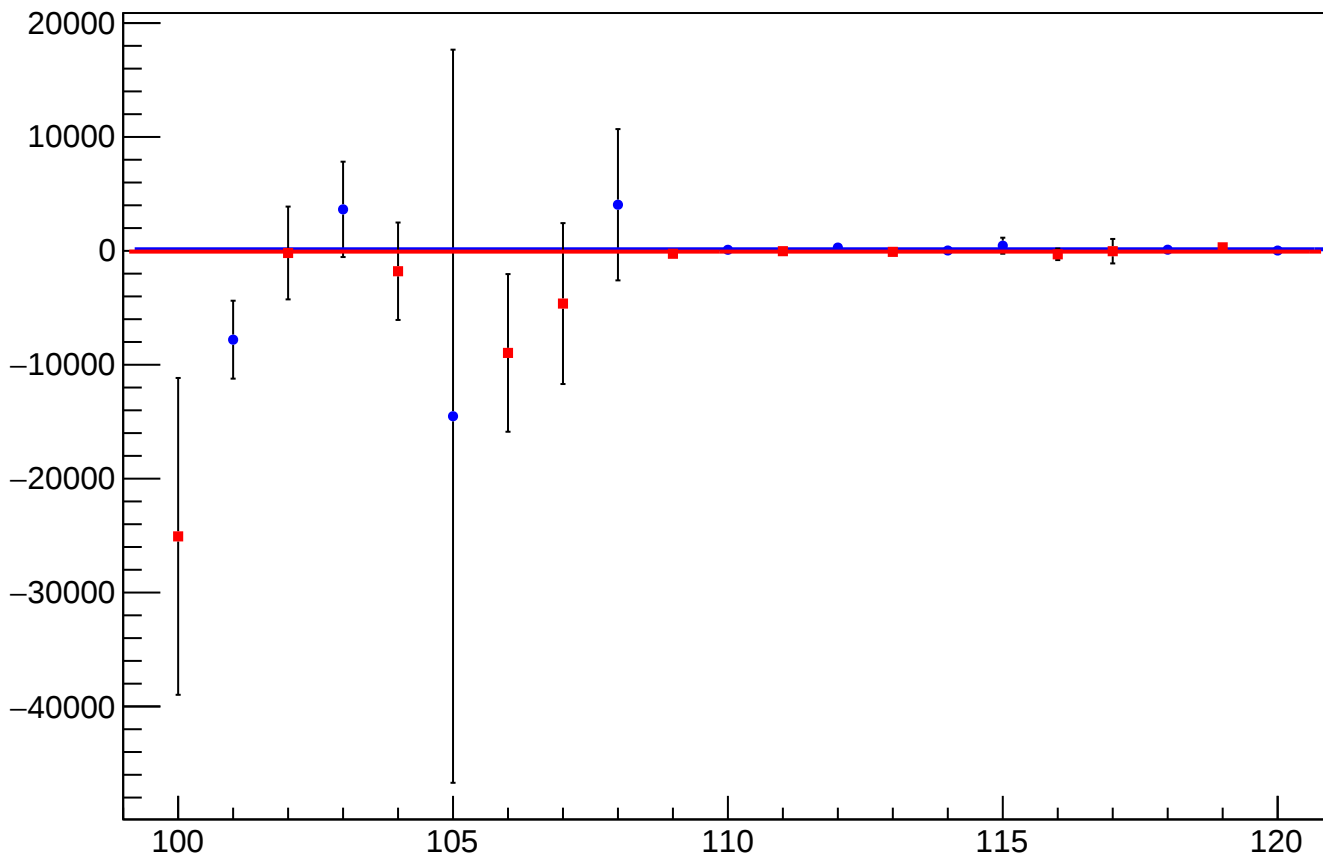
34.139+/-0.017  $\chi^2/\text{NDF}$ : 3014909.4/9

Right Out: 34.288+/-0.017  $\chi^2/\text{NDF}$ : 3446041.2/10

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

34.288+/-0.017  $\chi^2/\text{NDF}$ : 3446041.2/10

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_mean vs slug



Right In: 138.839+/-113.439  $\chi^2/\text{NDF}$ : 7.6/9

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

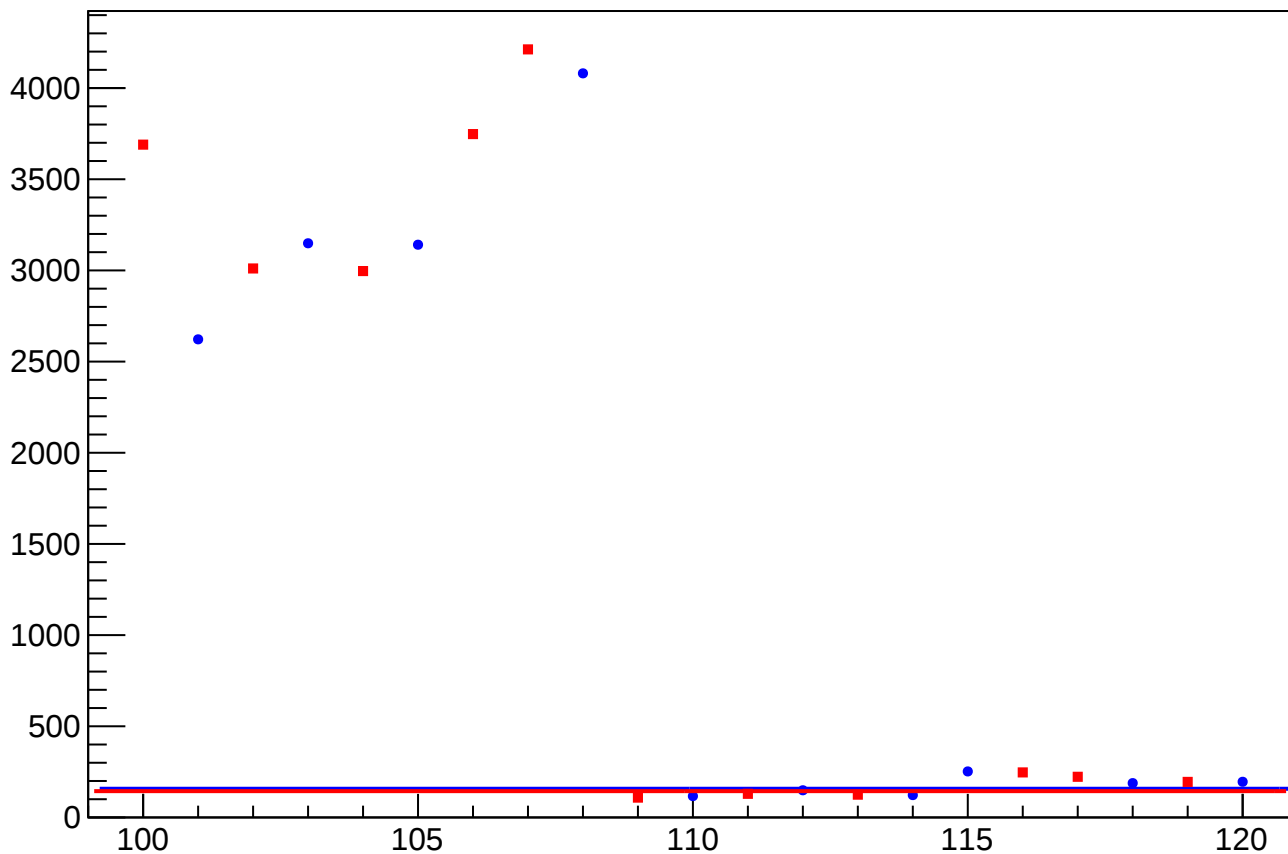
138.839+/-113.439  $\chi^2/\text{NDF}$ : 7.6/9

Right Out: -66.861+/-104.423  $\chi^2/\text{NDF}$ : 8.4/10

-66.861+/-104.423  $\chi^2/\text{NDF}$ : 8.4/10

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

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_rms vs slug



Right In: 157.384 $\pm$ 0.080  $\chi^2$ /NDF: 2964060.1/9

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

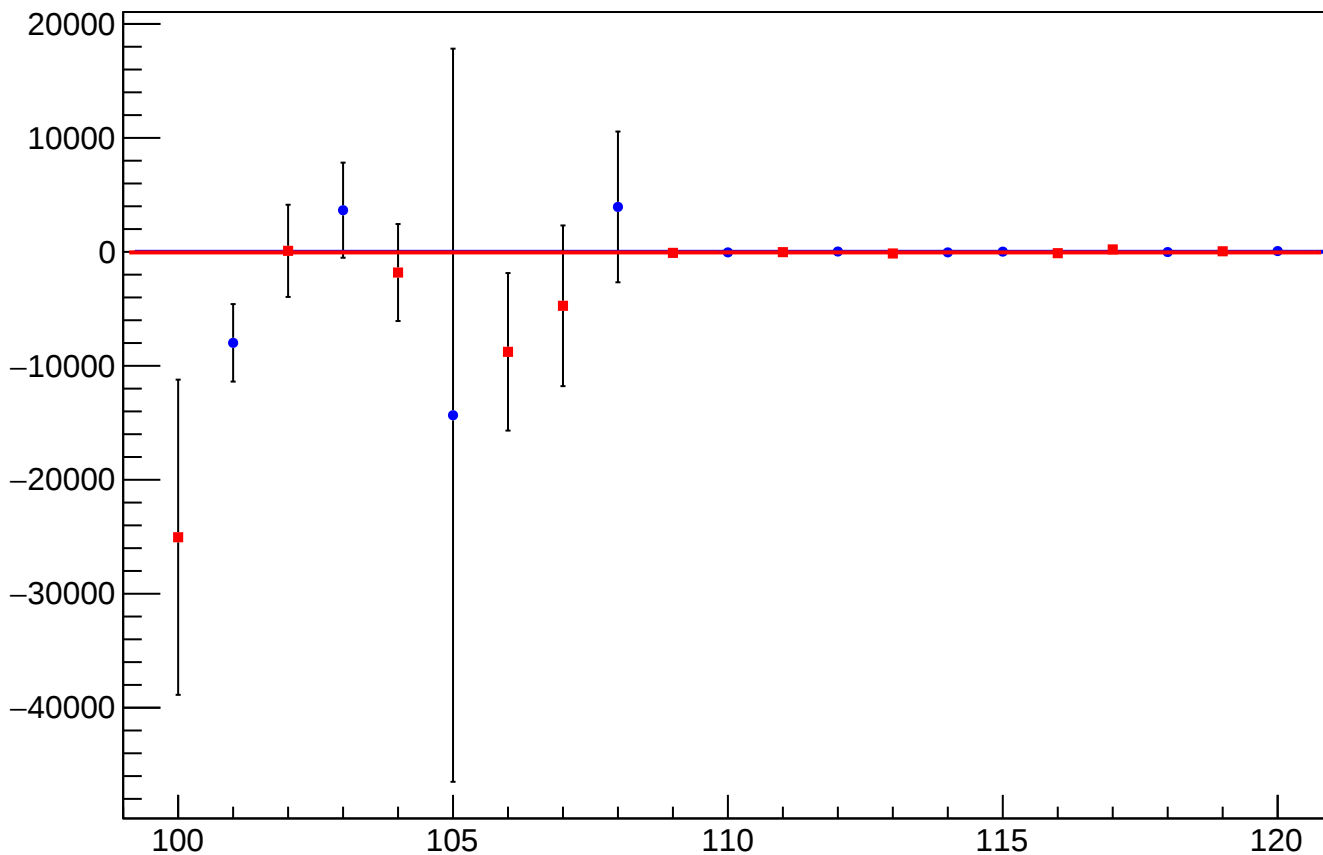
157.384 $\pm$ 0.080  $\chi^2$ /NDF: 2964060.1/9

Right Out: 144.285 $\pm$ 0.074  $\chi^2$ /NDF: 3461846.9/10

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

144.285 $\pm$ 0.074  $\chi^2$ /NDF: 3461846.9/10

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_mean vs slug



Right In: 5.599+/-22.533  $\chi^2/\text{NDF}$ : 10.1/9

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

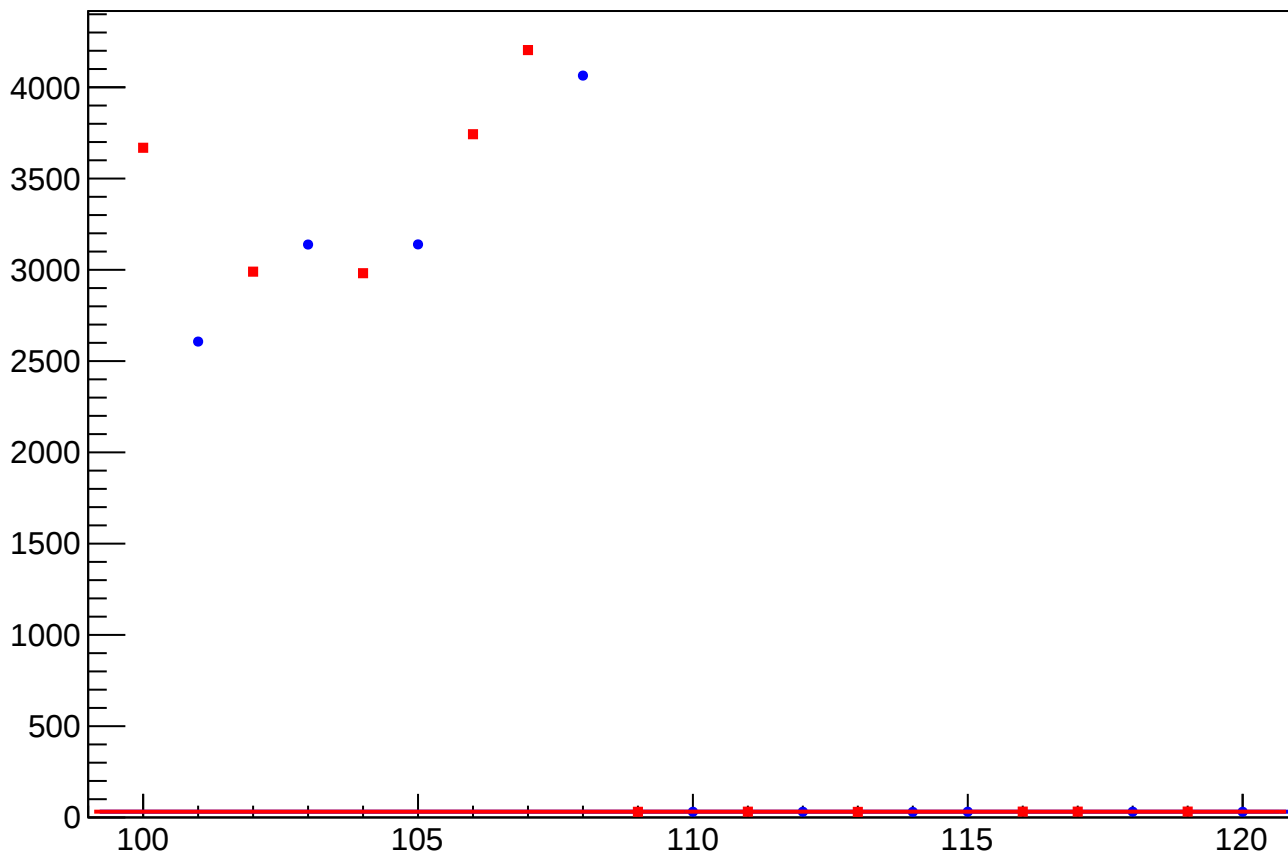
Right Out: -49.551+/-22.509  $\chi^2/\text{NDF}$ : 19.4/10

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

5.599+/-22.533  $\chi^2/\text{NDF}$ : 10.1/9

-49.551+/-22.509  $\chi^2/\text{NDF}$ : 19.4/10

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_rms vs slug



Right In: 31.515+/-0.016  $\chi^2/\text{NDF}$ : 3018458.4/9

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

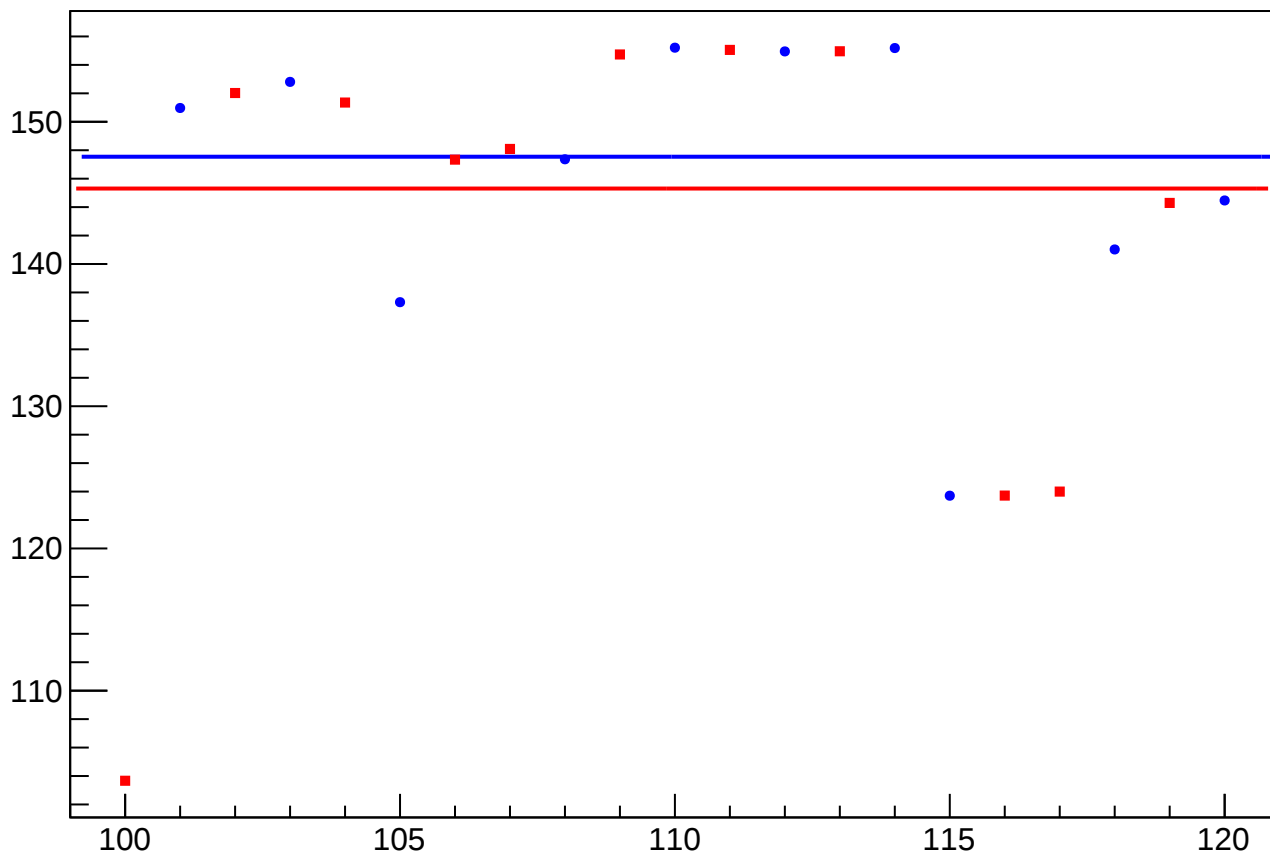
Right Out: 31.709+/-0.016  $\chi^2/\text{NDF}$ : 3448207.3/10

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

31.515+/-0.016  $\chi^2/\text{NDF}$ : 3018458.4/9

31.709+/-0.016  $\chi^2/\text{NDF}$ : 3448207.3/10

# yield\_bcm\_an\_ds\_mean vs slug



Right In: 147.543+/-0.000  $\chi^2/\text{NDF}$ : 1812295266.7/9

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

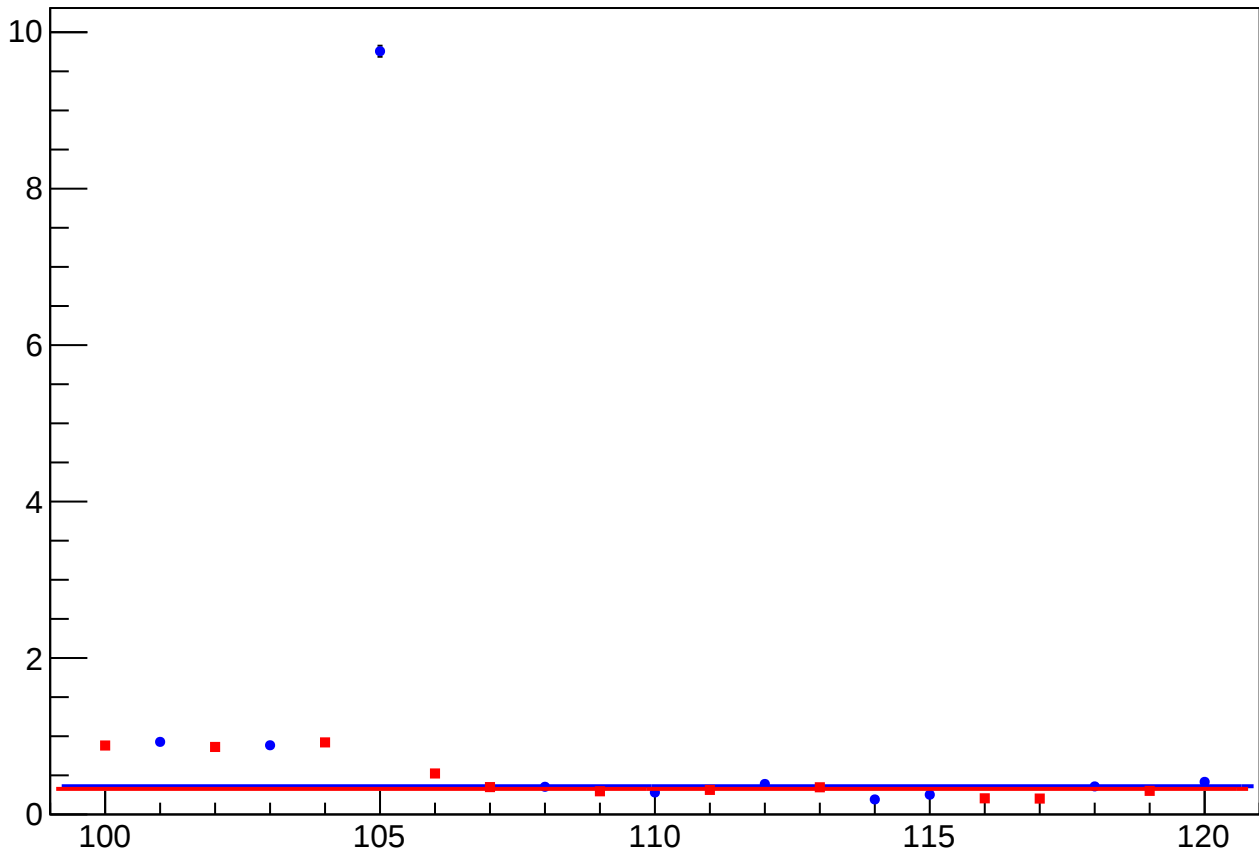
Right Out: 145.306+/-0.000  $\chi^2/\text{NDF}$ : 4228074095.2/10

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

147.543+/-0.000  $\chi^2/\text{NDF}$ : 1812295266.7/9

145.306+/-0.000  $\chi^2/\text{NDF}$ : 4228074095.2/10

# yield\_bcm\_an\_ds\_rms vs slug



Right In: 0.361+/-0.000  $\chi^2/\text{NDF}$ : 1083141.9/9

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

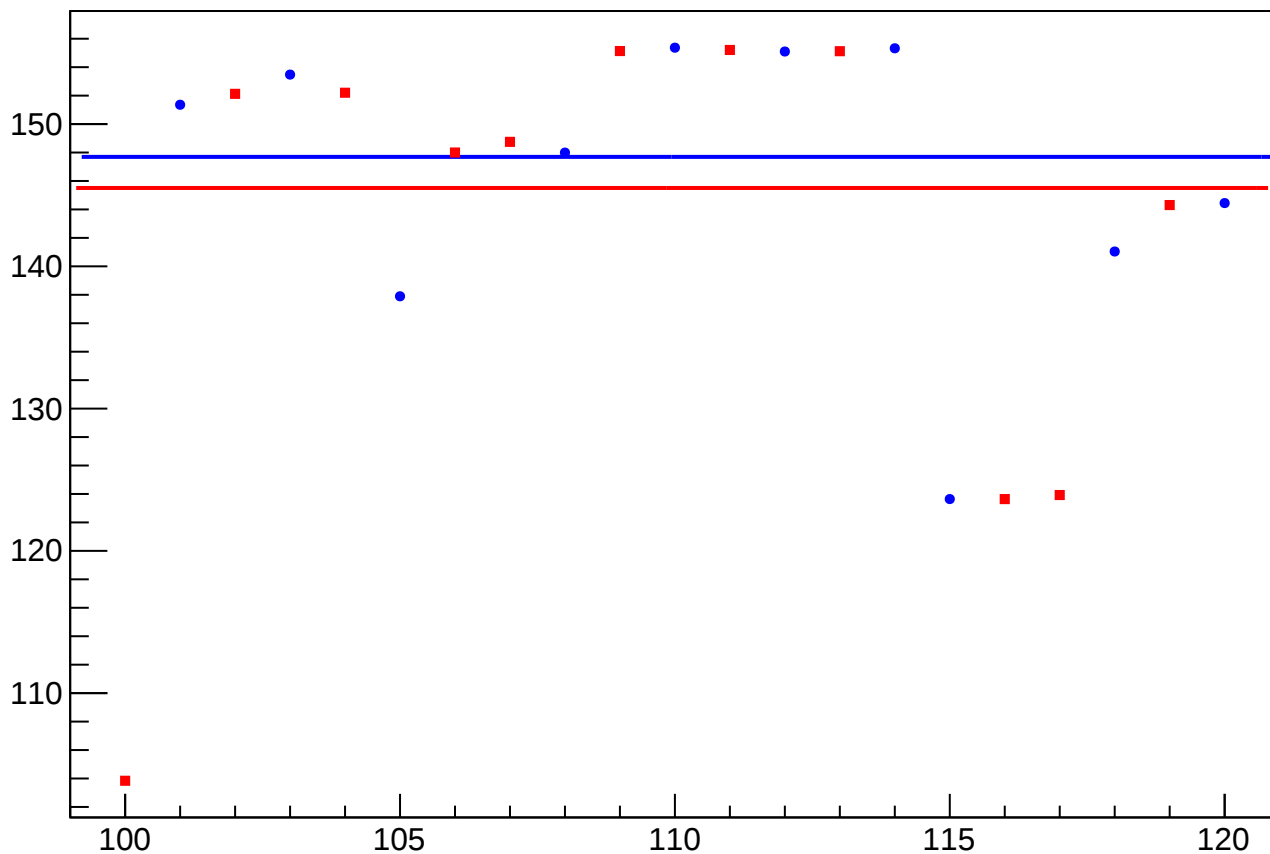
Right Out: 0.327+/-0.000  $\chi^2/\text{NDF}$ : 1132665.3/10

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

0.361+/-0.000  $\chi^2/\text{NDF}$ : 1083141.9/9

0.327+/-0.000  $\chi^2/\text{NDF}$ : 1132665.3/10

# yield\_bcm\_an\_ds3\_mean vs slug



Right In: 147.694+/-0.000  $\chi^2/\text{NDF}$ : 1822144148.2/9

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

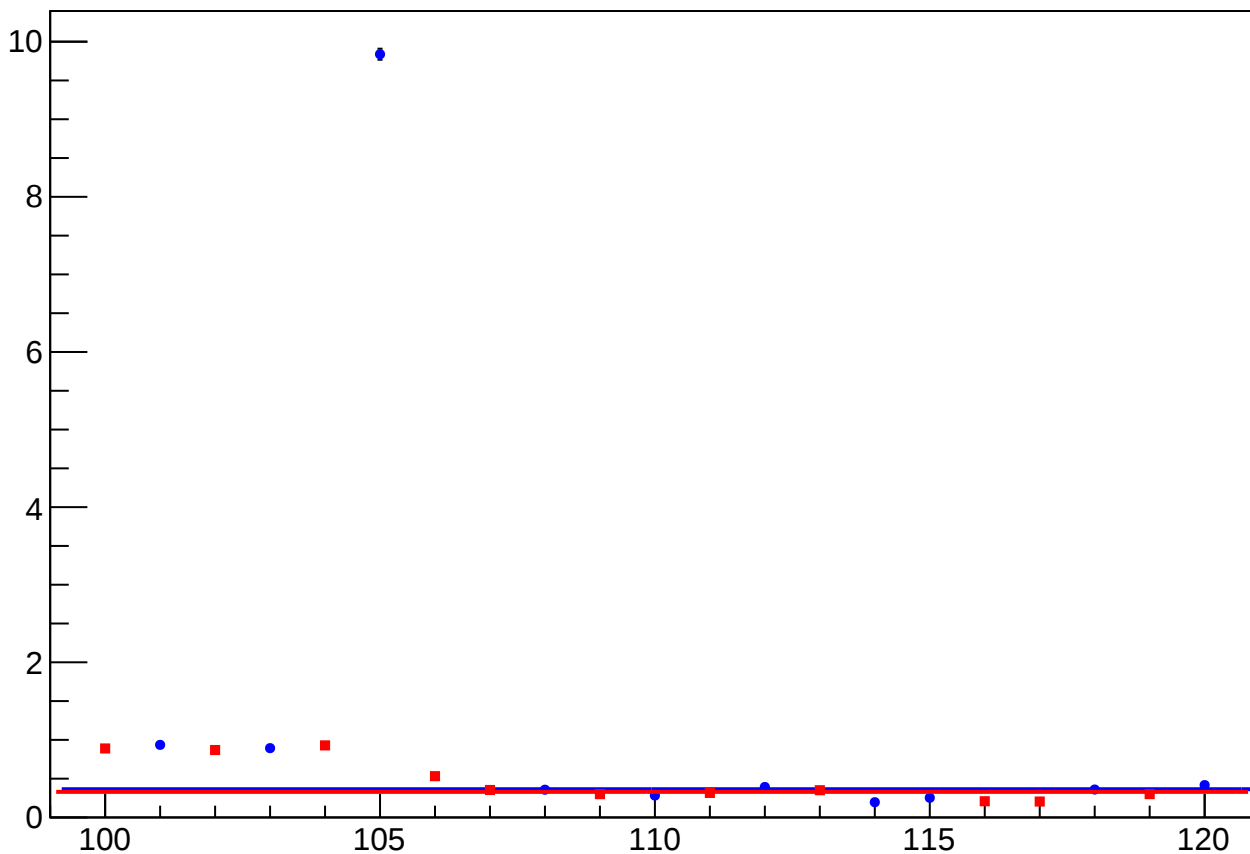
Right Out: 145.508+/-0.000  $\chi^2/\text{NDF}$ : 4237930127.4/10

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

147.694+/-0.000  $\chi^2/\text{NDF}$ : 1822144148.2/9

145.508+/-0.000  $\chi^2/\text{NDF}$ : 4237930127.4/10

# yield\_bcm\_an\_ds3\_rms vs slug



Right In: 0.364+/-0.000  $\chi^2/\text{NDF}$ : 1077644.4/9

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

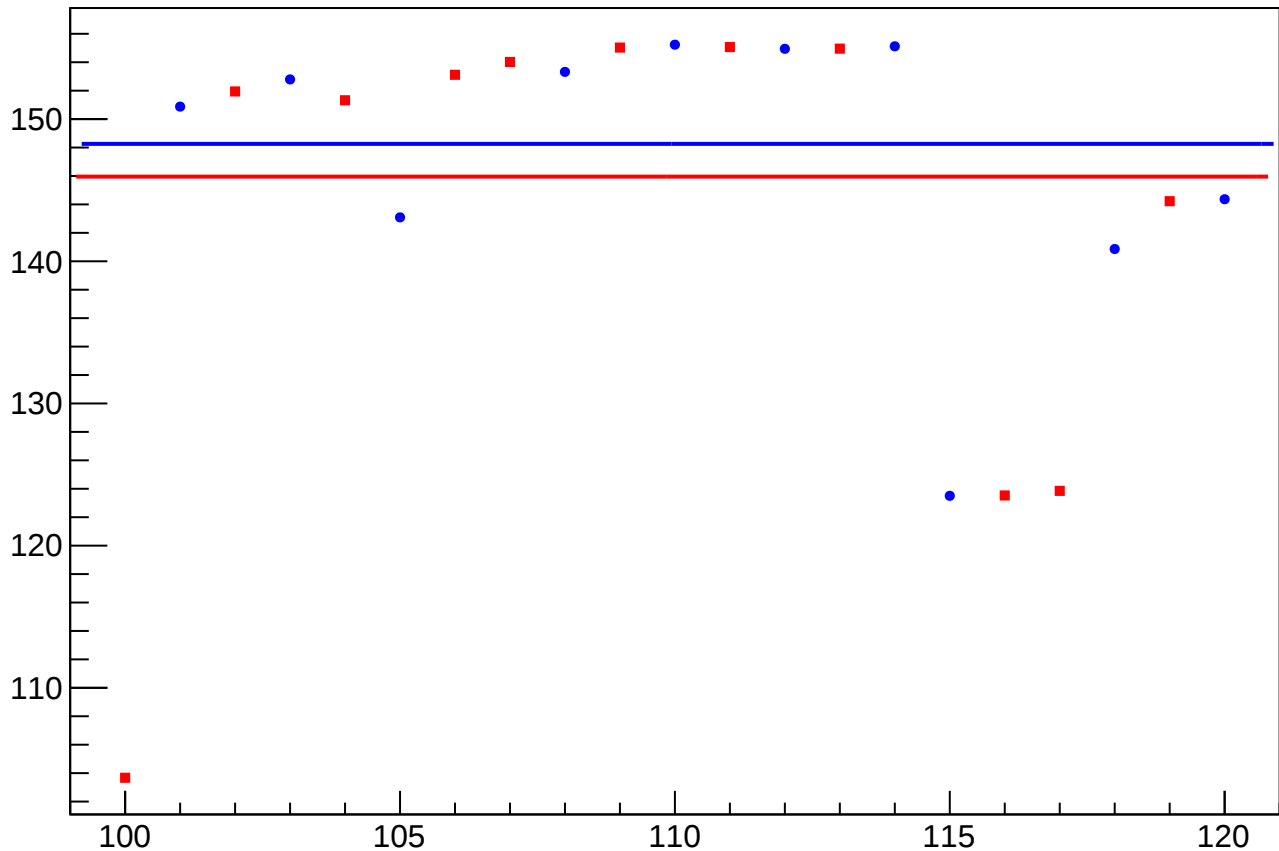
Right Out: 0.330+/-0.000  $\chi^2/\text{NDF}$ : 1132116.0/10

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

0.364+/-0.000  $\chi^2/\text{NDF}$ : 1077644.4/9

0.330+/-0.000  $\chi^2/\text{NDF}$ : 1132116.0/10

# yield\_bcm\_an\_us\_mean vs slug



Right In: 148.258 $\pm$ 0.000  $\chi^2$ /NDF: 1908849962.8/9

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

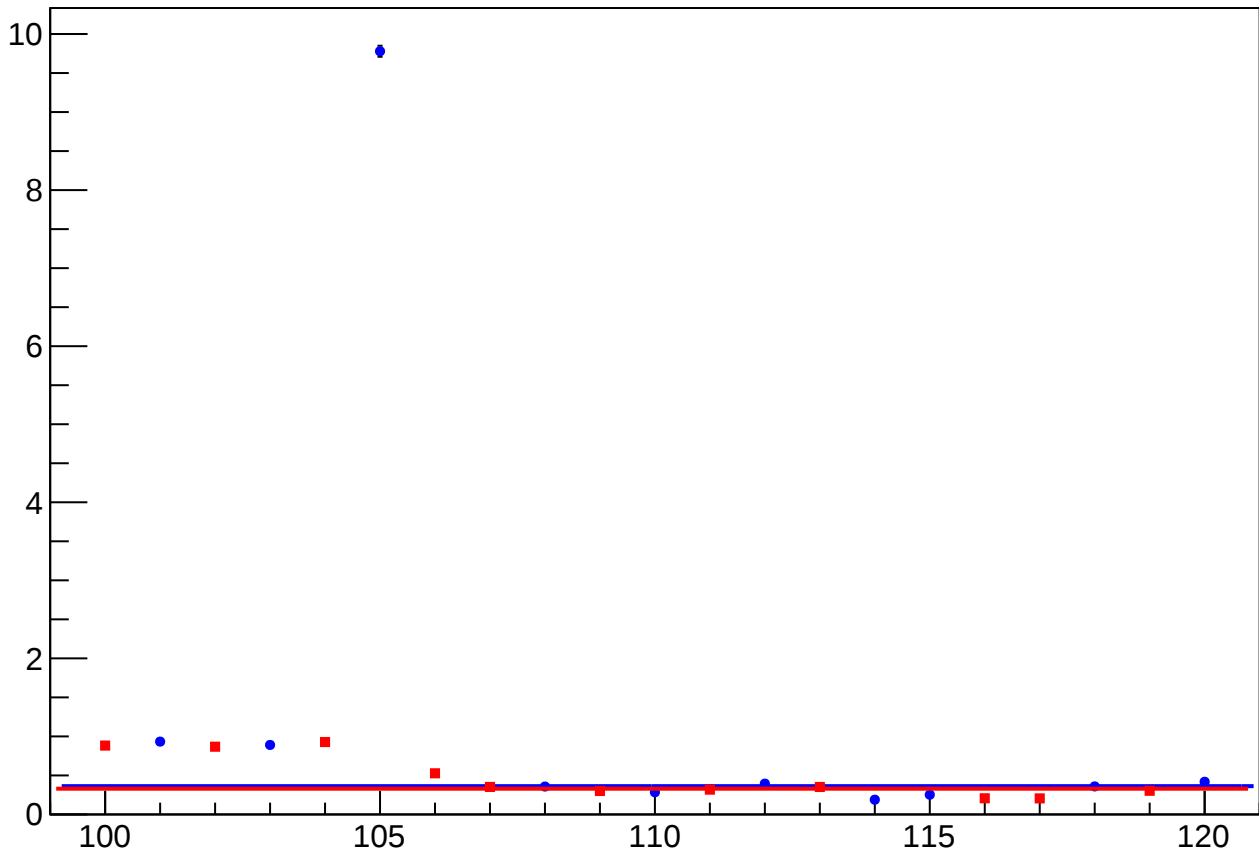
148.258 $\pm$ 0.000  $\chi^2$ /NDF: 1908849962.8/9

Right Out: 145.955 $\pm$ 0.000  $\chi^2$ /NDF: 4465437835.6/10

145.955 $\pm$ 0.000  $\chi^2$ /NDF: 4465437835.6/10

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

# yield\_bcm\_an\_us\_rms vs slug



Right In: 0.363+/-0.000  $\chi^2/\text{NDF}$ : 1092230.7/9

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

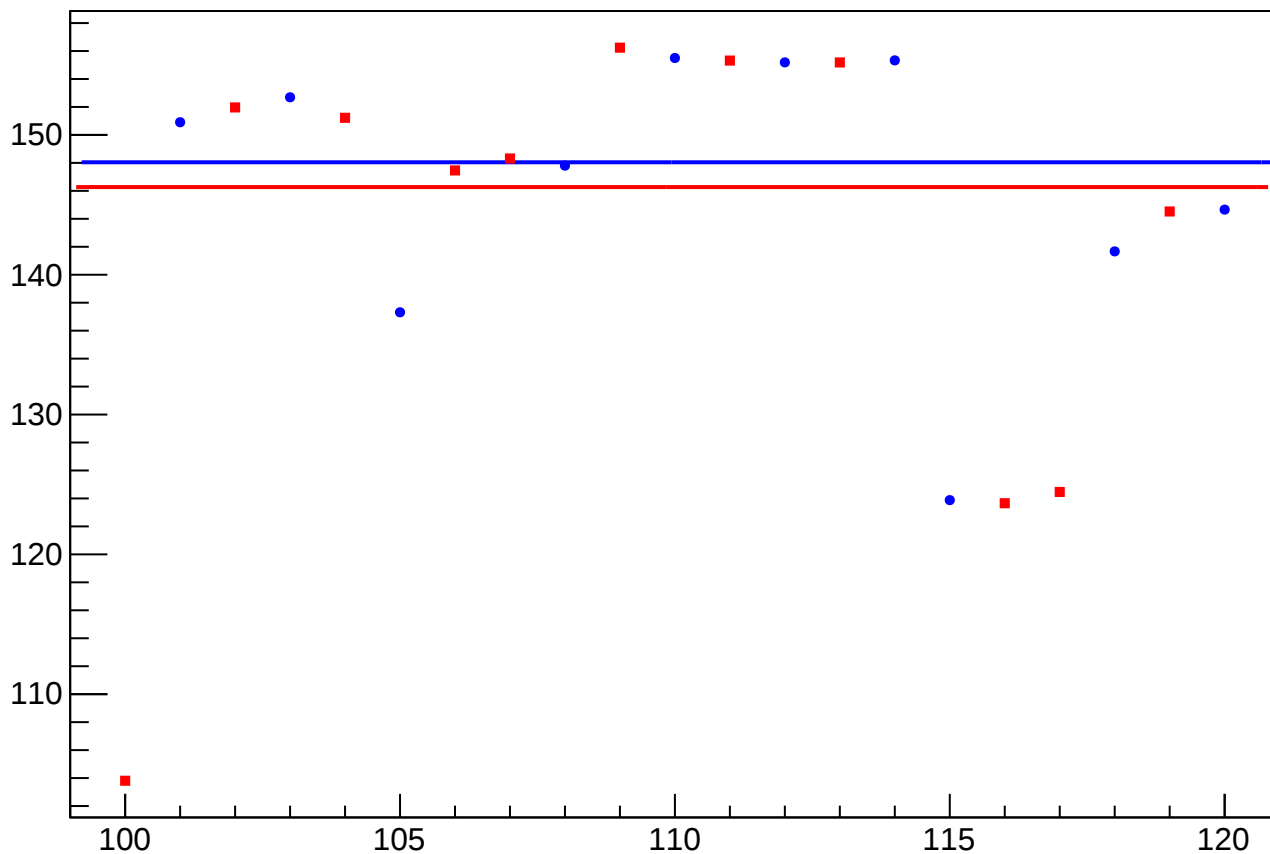
Right Out: 0.330+/-0.000  $\chi^2/\text{NDF}$ : 1131876.2/10

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

0.363+/-0.000  $\chi^2/\text{NDF}$ : 1092230.7/9

0.330+/-0.000  $\chi^2/\text{NDF}$ : 1131876.2/10

yield\_bcm\_dg\_us\_mean vs slug



Right In: 148.043+/-0.000  $\chi^2/\text{NDF}$ : 1613750136.0/9

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

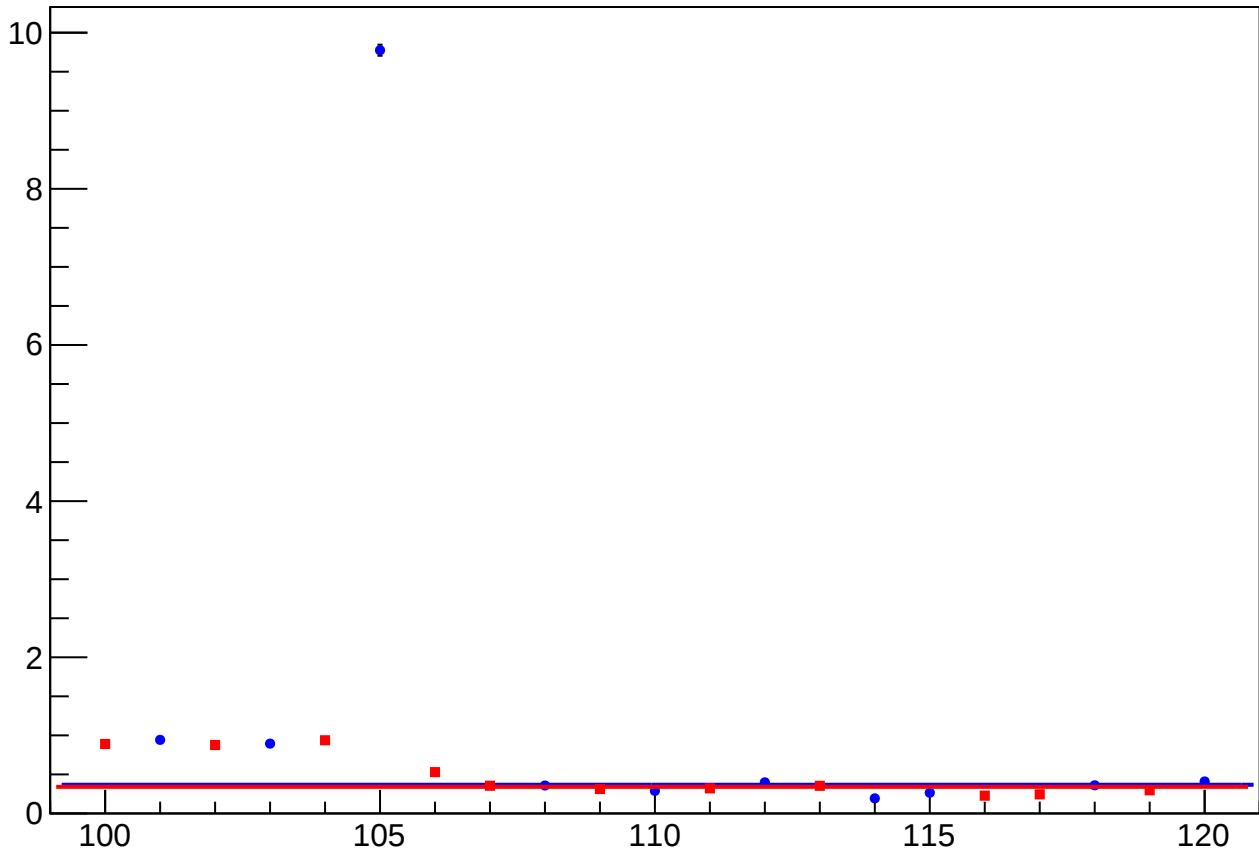
Right Out: 146.270+/-0.000  $\chi^2/\text{NDF}$ : 3778684107.7/10

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

148.043+/-0.000  $\chi^2/\text{NDF}$ : 1613750136.0/9

146.270+/-0.000  $\chi^2/\text{NDF}$ : 3778684107.7/10

# yield\_bcm\_dg\_us\_rms vs slug



Right In: 0.368+/-0.000  $\chi^2/\text{NDF}$ : 1065424.1/9

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

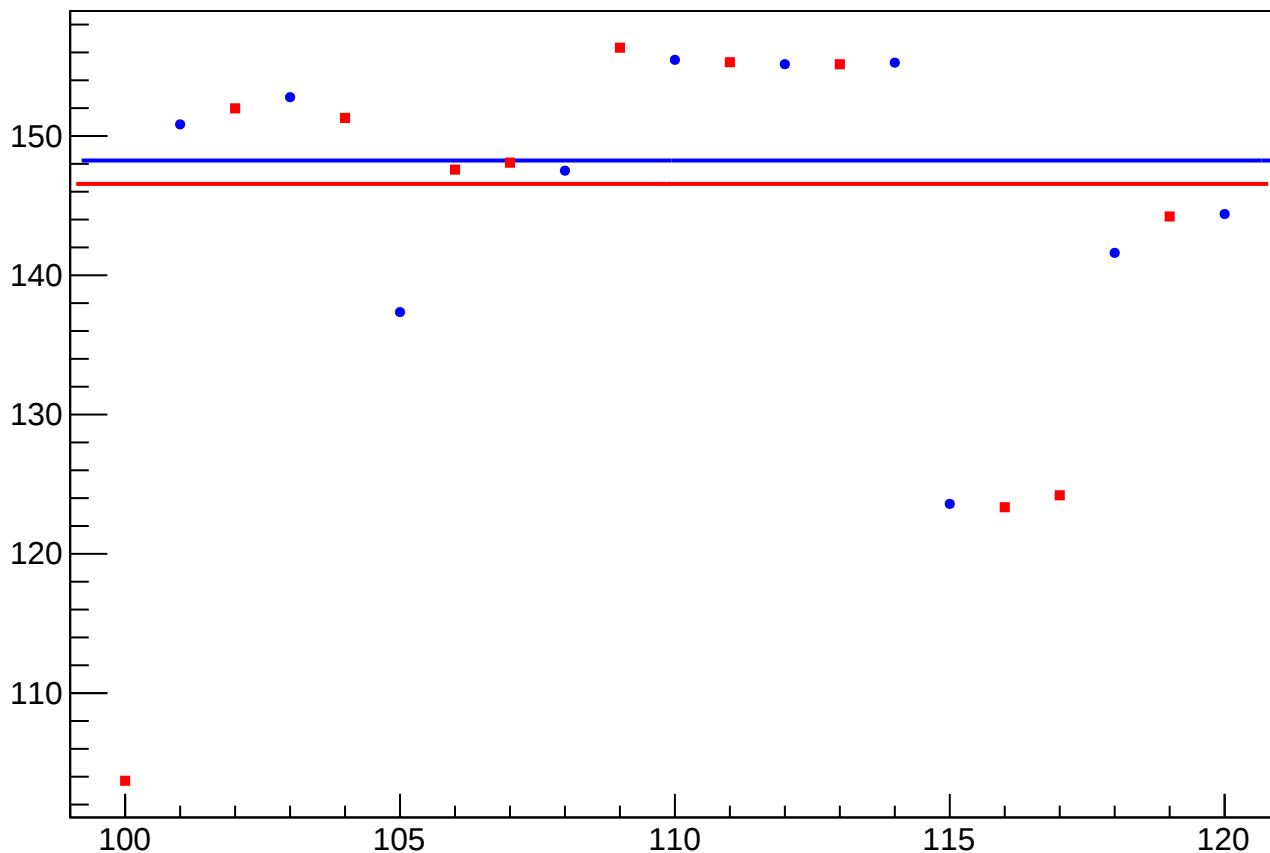
0.368+/-0.000  $\chi^2/\text{NDF}$ : 1065424.1/9

Right Out: 0.341+/-0.000  $\chi^2/\text{NDF}$ : 1053855.0/10

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

0.341+/-0.000  $\chi^2/\text{NDF}$ : 1053855.0/10

# yield\_bcm\_dg\_ds\_mean vs slug



Right In: 148.240+/-0.000  $\chi^2/\text{NDF}$ : 1623282698.1/9

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

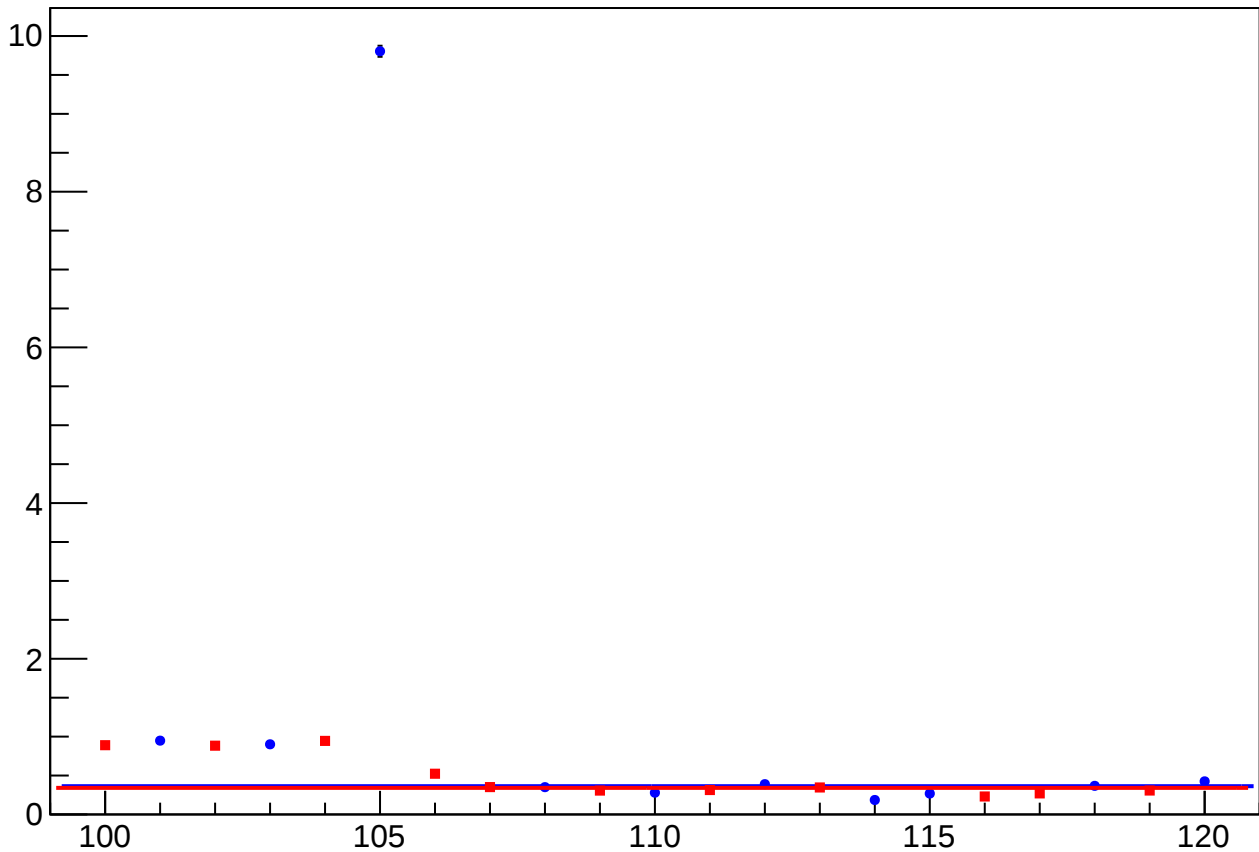
Right Out: 146.560+/-0.000  $\chi^2/\text{NDF}$ : 3772221053.0/10

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

148.240+/-0.000  $\chi^2/\text{NDF}$ : 1623282698.1/9

146.560+/-0.000  $\chi^2/\text{NDF}$ : 3772221053.0/10

# yield\_bcm\_dg\_ds\_rms vs slug



Right In: 0.363+/-0.000  $\chi^2/\text{NDF}$ : 1107761.0/9

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

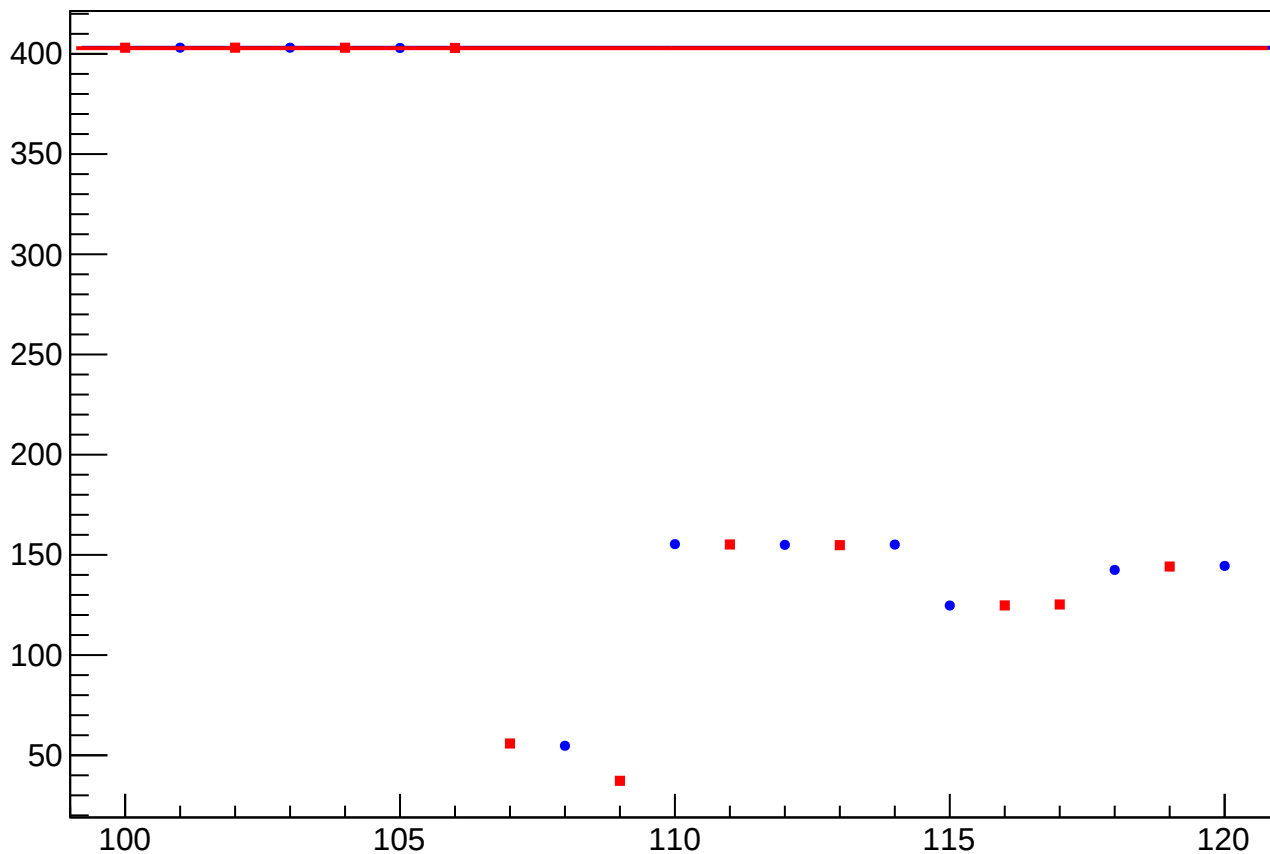
Right Out: 0.341+/-0.000  $\chi^2/\text{NDF}$ : 1039043.8/10

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

0.363+/-0.000  $\chi^2/\text{NDF}$ : 1107761.0/9

0.341+/-0.000  $\chi^2/\text{NDF}$ : 1039043.8/10

yield\_cav4bQ\_mean vs slug



Right In: 403.034+/-0.000  $\chi^2/\text{NDF}$ : 477910457852.3/9

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

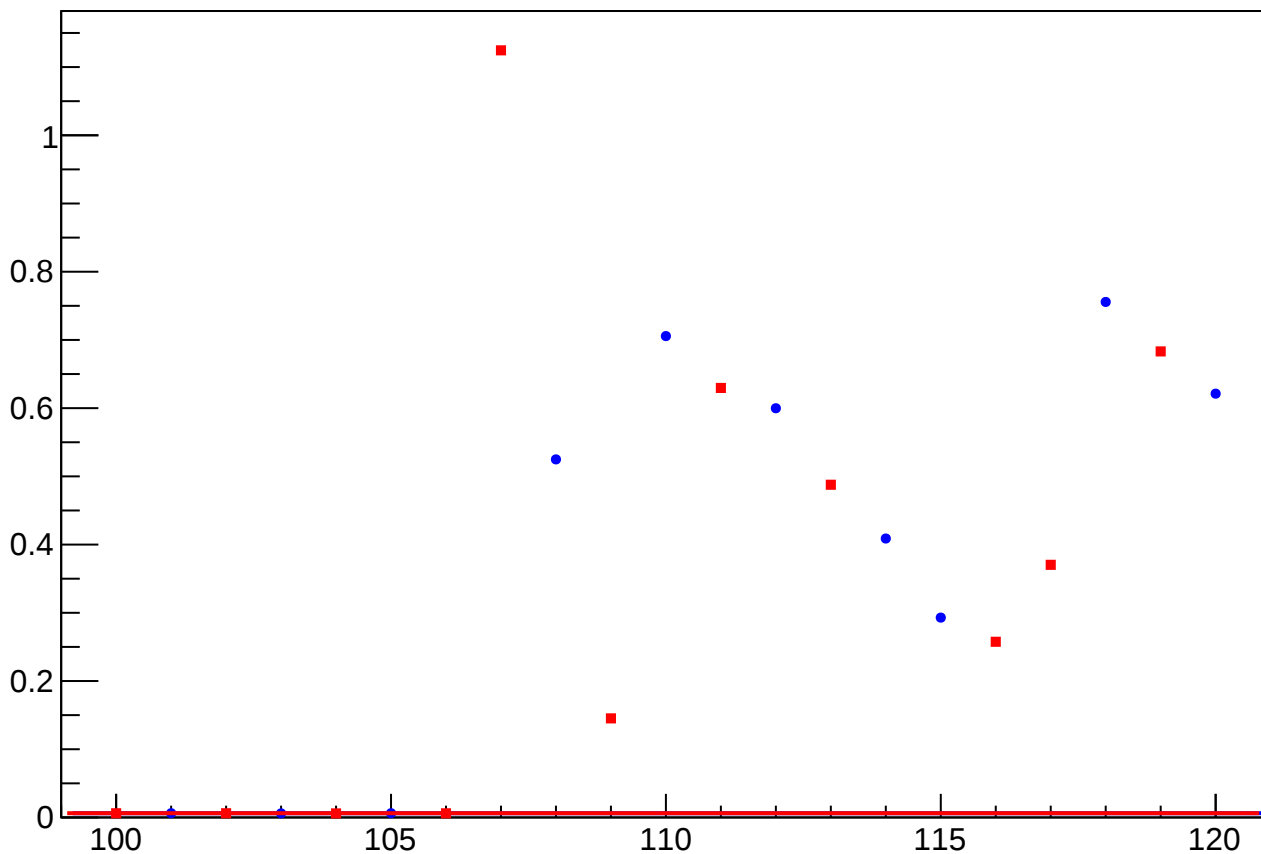
Right Out: 402.853+/-0.000  $\chi^2/\text{NDF}$ : 2603121022054.3/10

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

403.034+/-0.000  $\chi^2/\text{NDF}$ : 477910457852.3/9

402.853+/-0.000  $\chi^2/\text{NDF}$ : 2603121022054.3/10

# yield\_cav4bQ\_rms vs slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 3677690.9/9

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

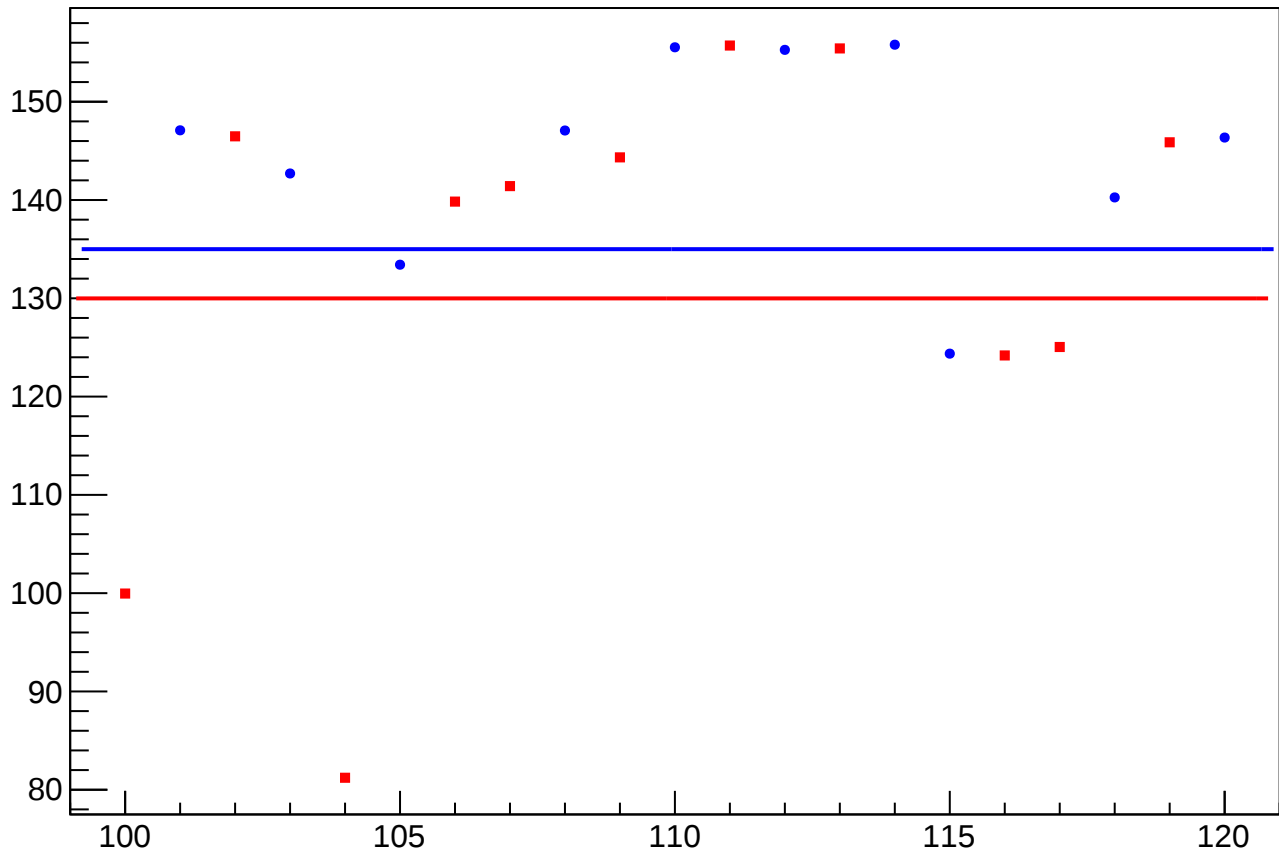
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 3914998.8/10

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

0.006+/-0.000  $\chi^2/\text{NDF}$ : 3677690.9/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 3914998.8/10

# yield\_cav4cQ\_mean vs slug



Right In: 134.999 $\pm$ 0.001  $\chi^2$ /NDF: 456661531.7/9

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

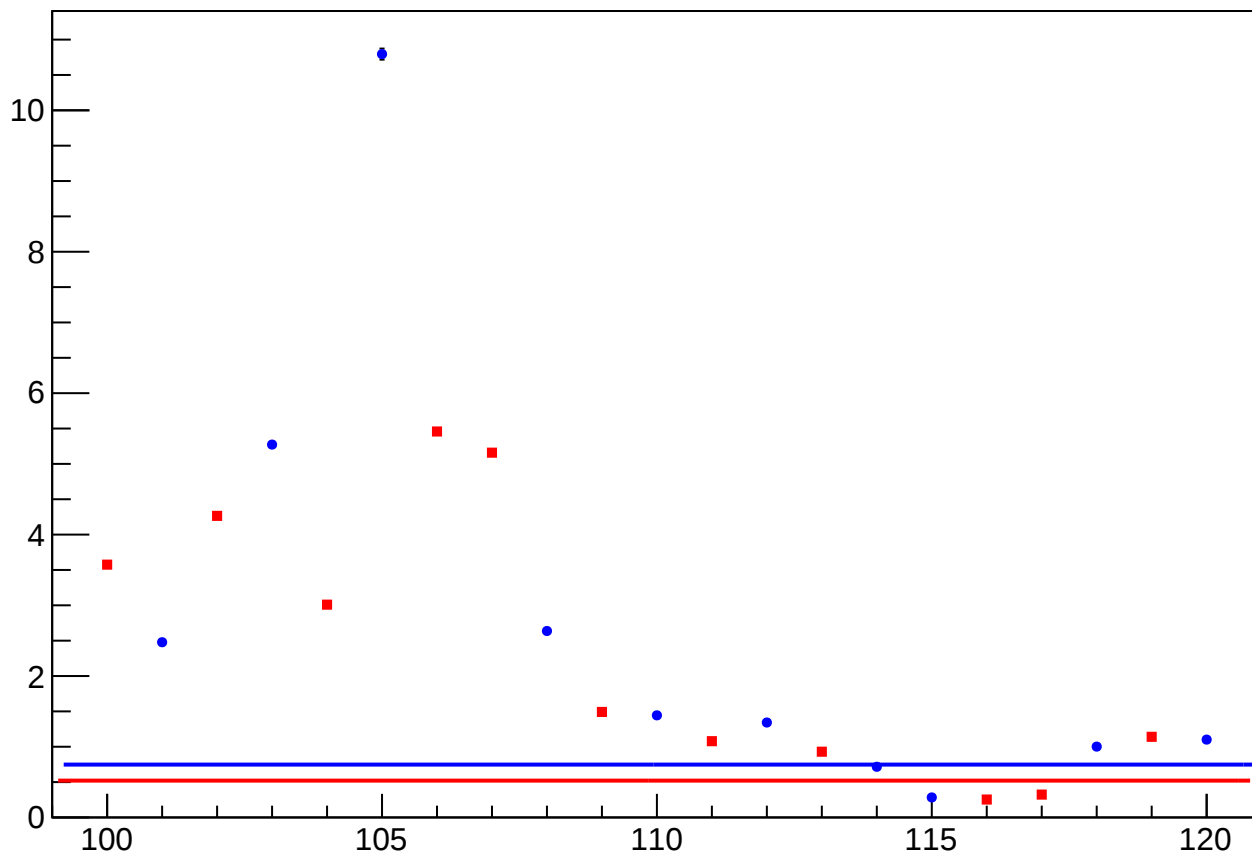
134.999 $\pm$ 0.001  $\chi^2$ /NDF: 456661531.7/9

Right Out: 129.989 $\pm$ 0.000  $\chi^2$ /NDF: 806809073.5/10

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

129.989 $\pm$ 0.000  $\chi^2$ /NDF: 806809073.5/10

# yield\_cav4cQ\_rms vs slug



Right In: 0.748+/-0.000  $\chi^2/\text{NDF}$ : 2747909.9/9

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

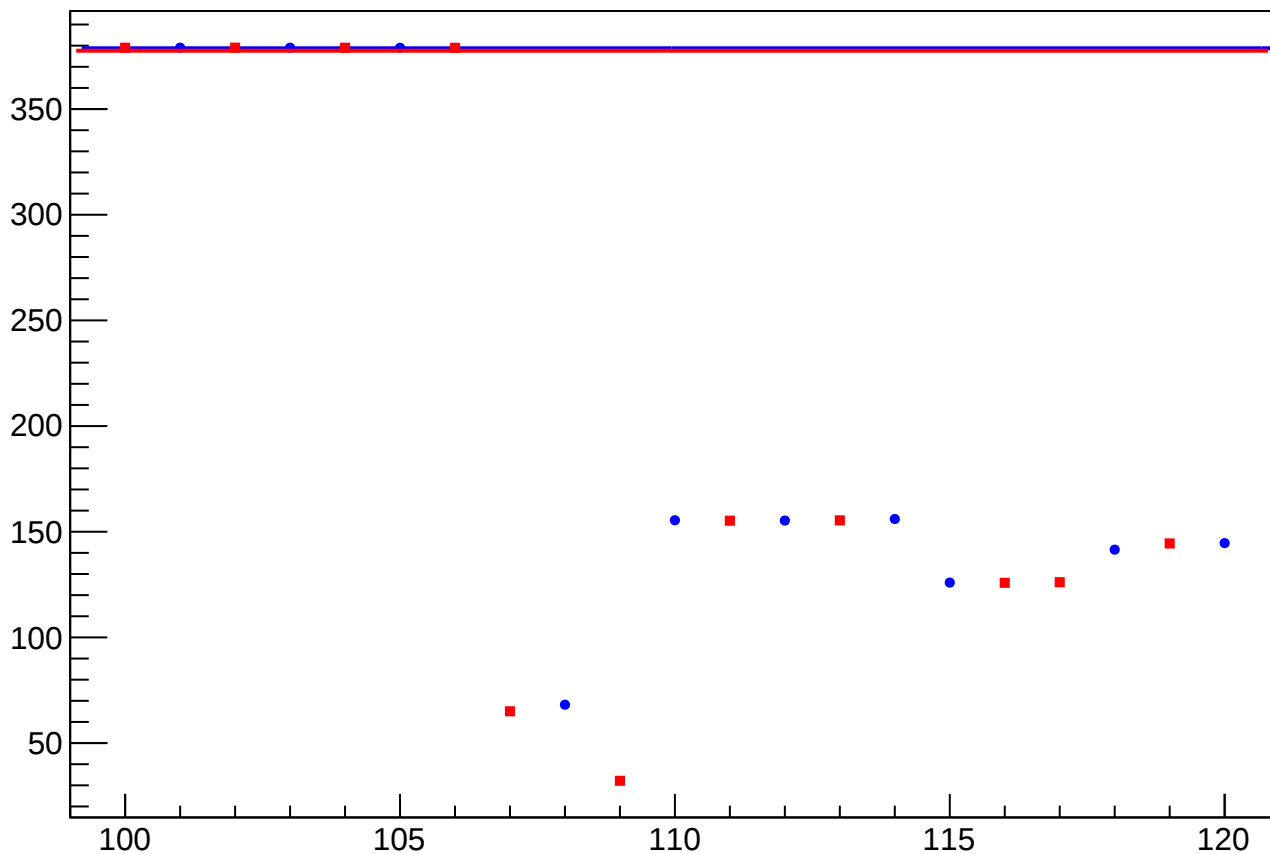
Right Out: 0.521+/-0.000  $\chi^2/\text{NDF}$ : 3912662.7/10

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

0.748+/-0.000  $\chi^2/\text{NDF}$ : 2747909.9/9

0.521+/-0.000  $\chi^2/\text{NDF}$ : 3912662.7/10

yield\_cav4dQ\_mean vs slug



Right In: 378.767 $\pm$ 0.000  $\chi^2$ /NDF: 996679357091.2/9

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

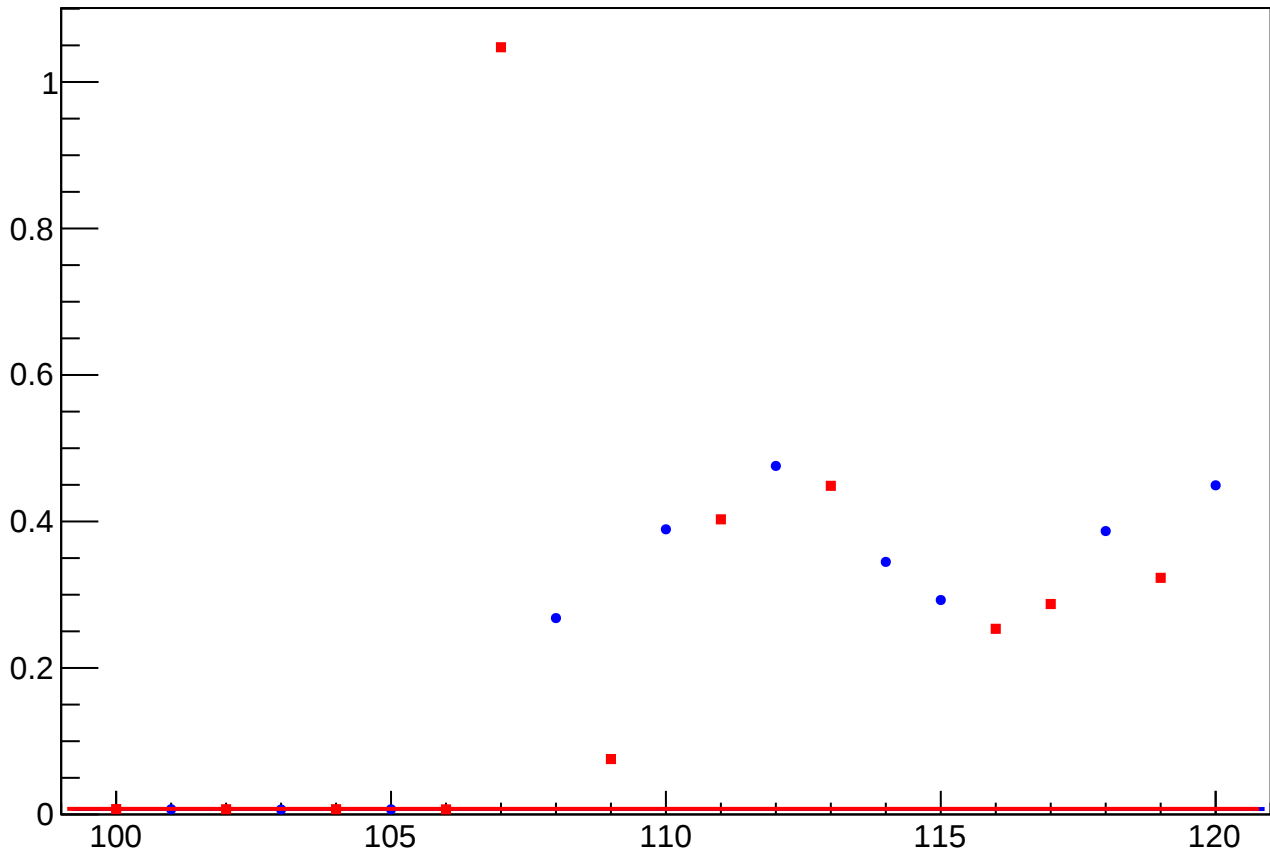
Right Out: 377.621 $\pm$ 0.000  $\chi^2$ /NDF: 7104882818007.6/10

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

378.767 $\pm$ 0.000  $\chi^2$ /NDF: 996679357091.2/9

377.621 $\pm$ 0.000  $\chi^2$ /NDF: 7104882818007.6/10

# yield\_cav4dQ\_rms vs slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 3919685.6/9

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

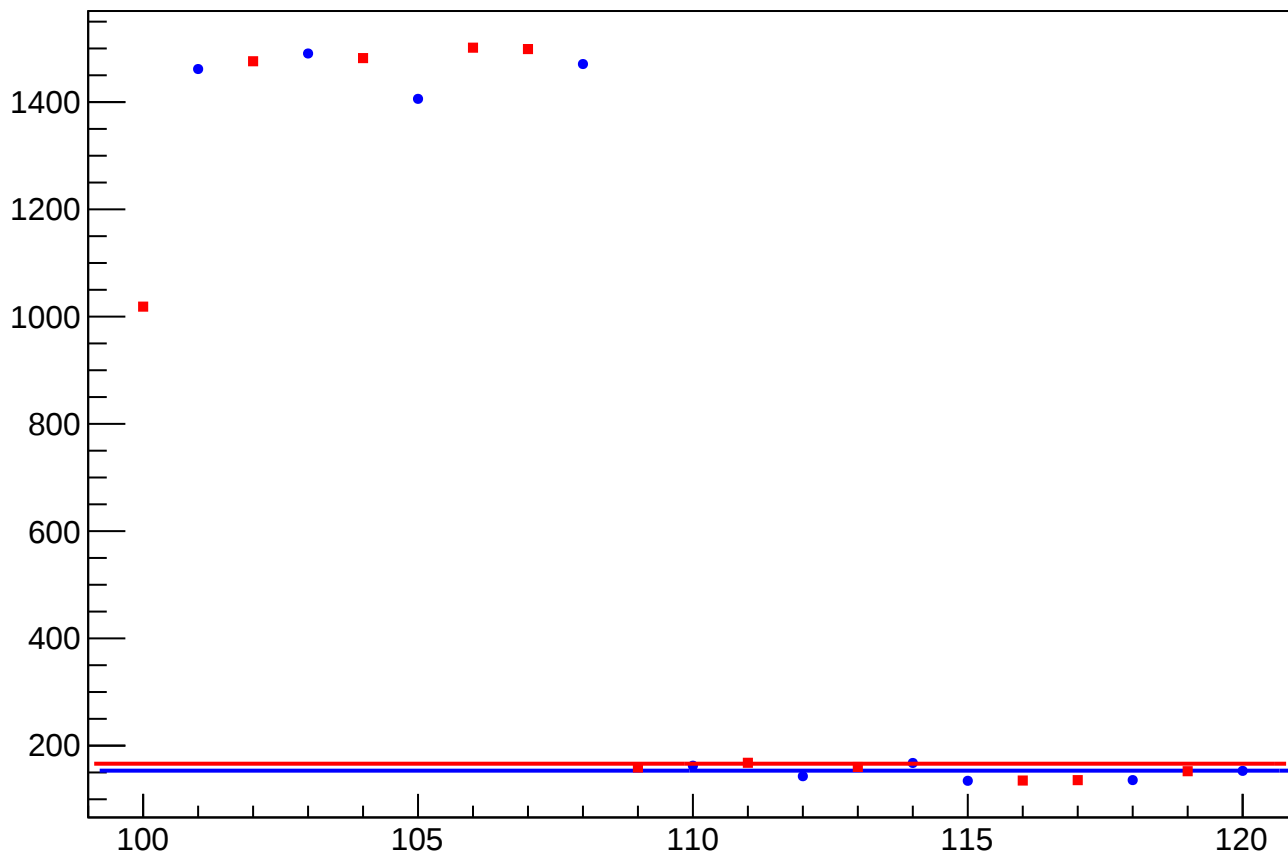
0.007+/-0.000  $\chi^2/\text{NDF}$ : 3919685.6/9

Right Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 4011701.5/10

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

0.008+/-0.000  $\chi^2/\text{NDF}$ : 4011701.5/10

yield\_bcm0l02\_mean vs slug



Right In: 153.365+/-0.001  $\chi^2/\text{NDF}$ : 24058593637.9/9

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

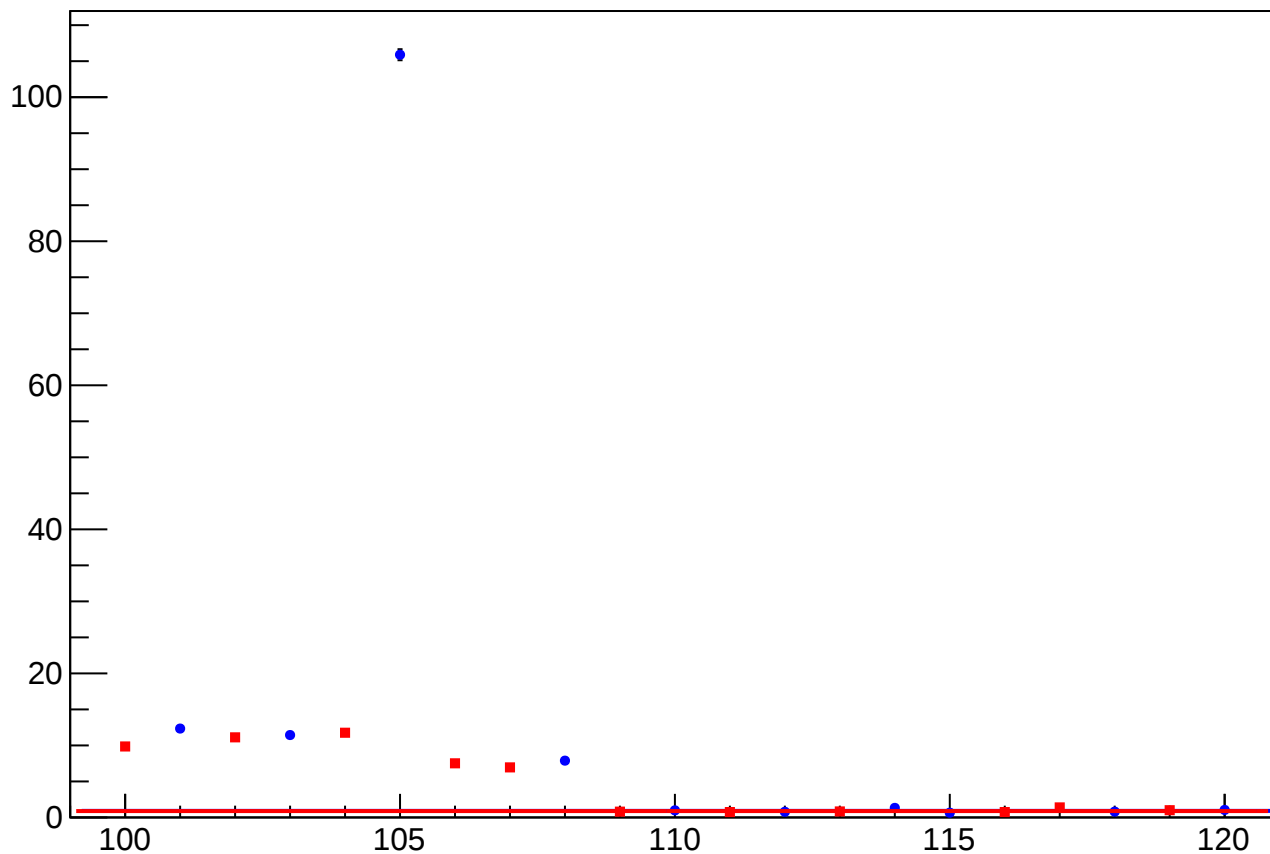
Right Out: 166.329+/-0.001  $\chi^2/\text{NDF}$ : 32810645563.2/10

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

153.365+/-0.001  $\chi^2/\text{NDF}$ : 24058593637.9/9

166.329+/-0.001  $\chi^2/\text{NDF}$ : 32810645563.2/10

# yield\_bcm0l02\_rms vs slug



Right In: 0.913+/-0.001  $\chi^2/\text{NDF}$ : 2555173.3/9

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

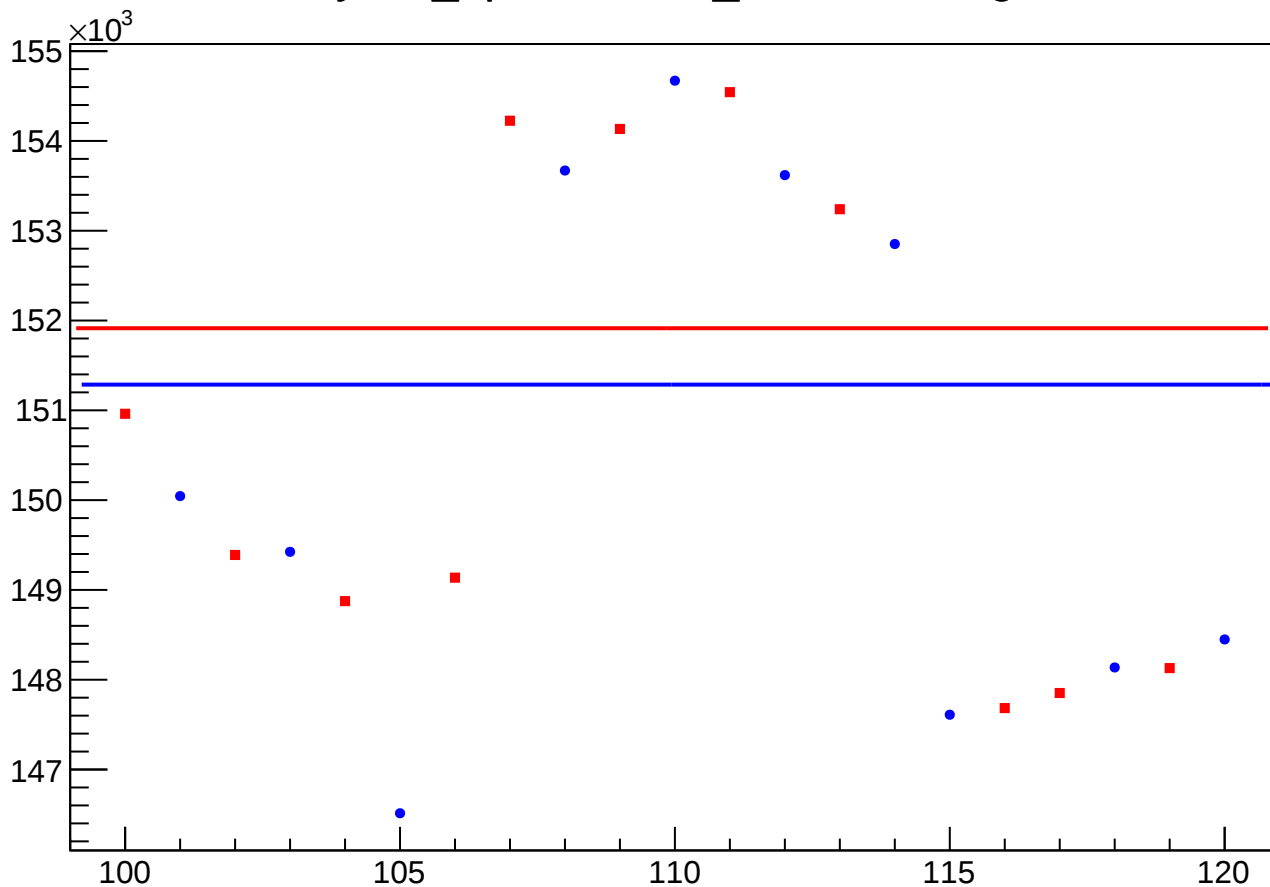
Right Out: 0.886+/-0.000  $\chi^2/\text{NDF}$ : 2689405.4/10

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

0.913+/-0.001  $\chi^2/\text{NDF}$ : 2555173.3/9

0.886+/-0.000  $\chi^2/\text{NDF}$ : 2689405.4/10

yield\_bpm0i01WS\_mean vs slug



Right In: 151286.342 $\pm$ 0.084  $\chi^2$ /NDF: 1122225535.9/9

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

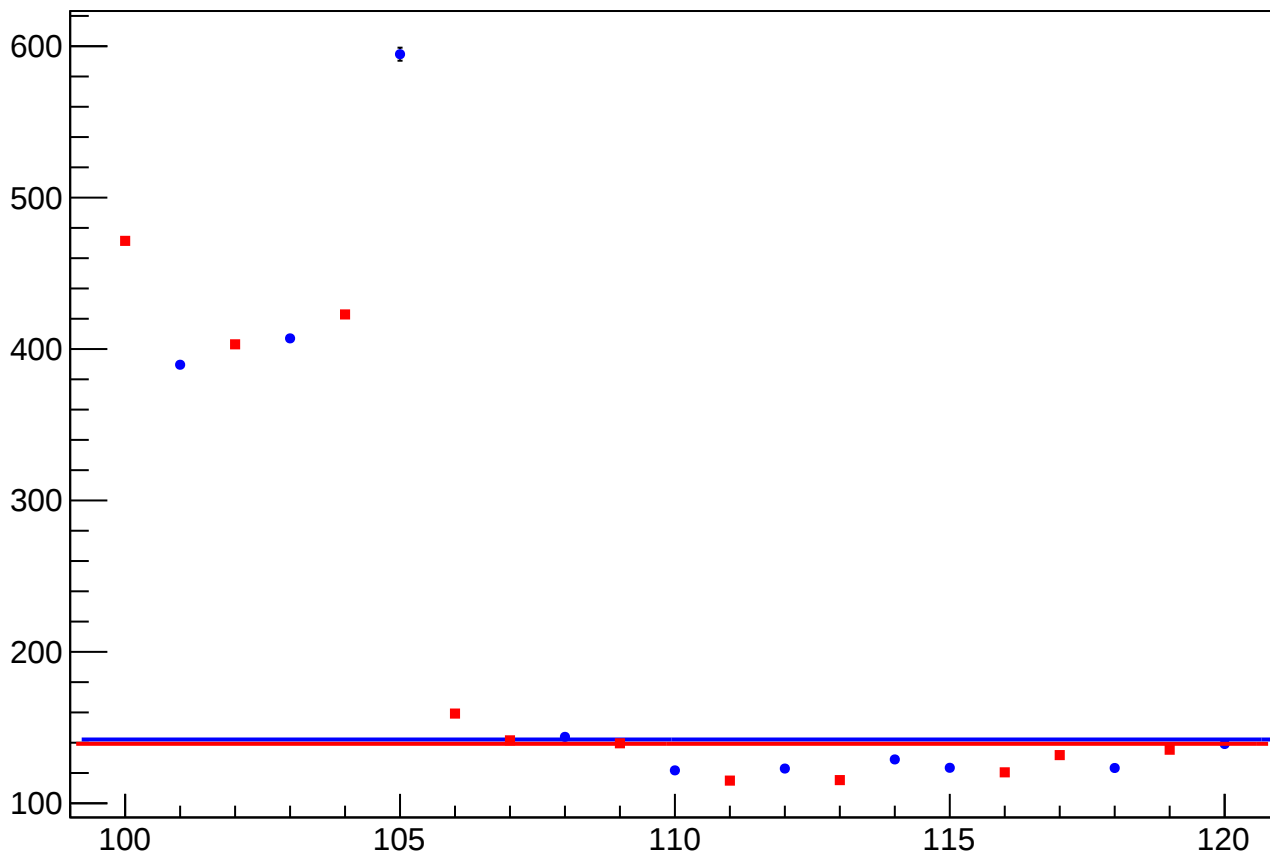
Right Out: 151914.259 $\pm$ 0.078  $\chi^2$ /NDF: 1315332870.7/10

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

151286.342 $\pm$ 0.084  $\chi^2$ /NDF: 1122225535.9/9

151914.259 $\pm$ 0.078  $\chi^2$ /NDF: 1315332870.7/10

# yield\_bpm0i01WS\_rms vs slug



Right In: 142.126+/-0.060  $\chi^2/\text{NDF}$ : 1034809.1/9

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

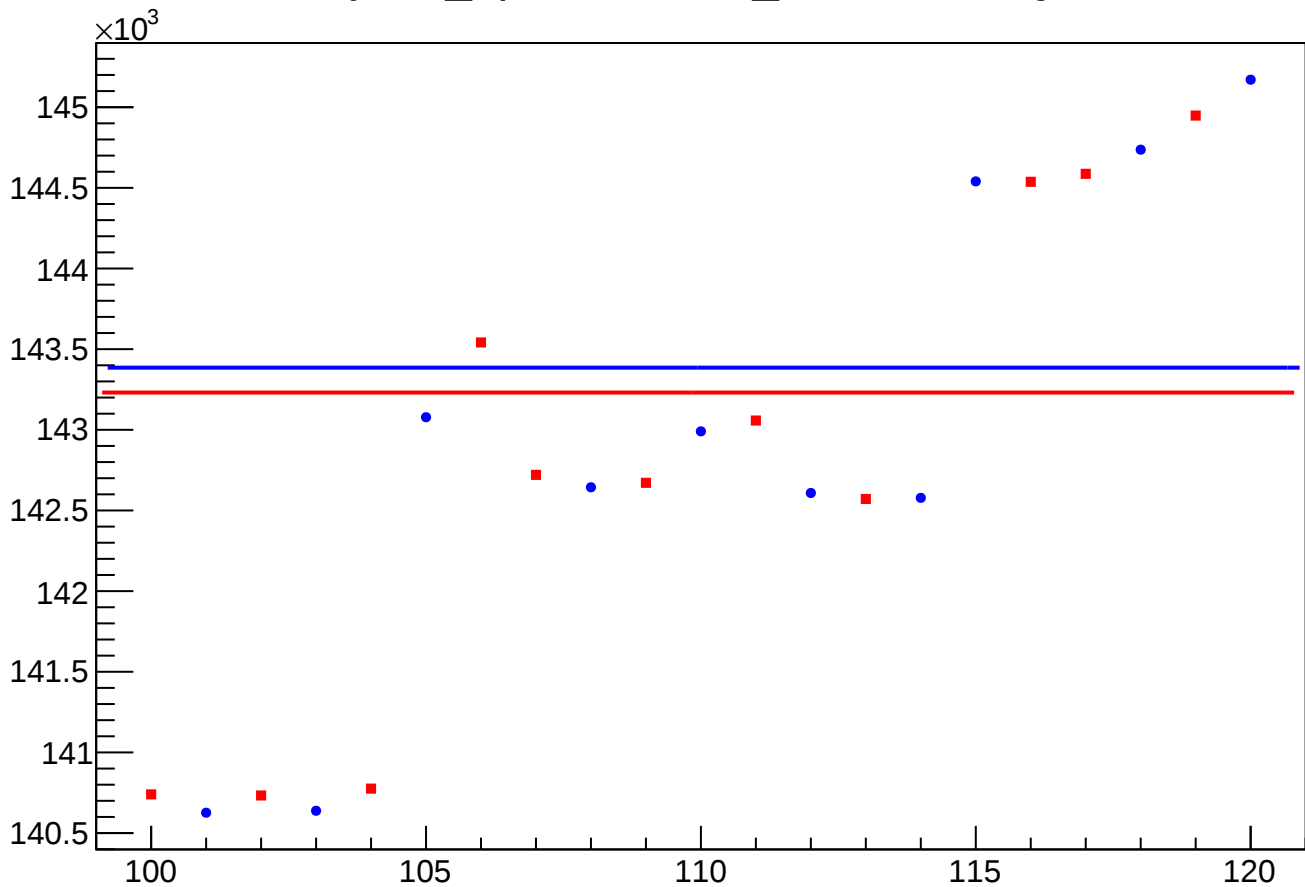
142.126+/-0.060  $\chi^2/\text{NDF}$ : 1034809.1/9

Right Out: 139.280+/-0.055  $\chi^2/\text{NDF}$ : 1072951.7/10

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

139.280+/-0.055  $\chi^2/\text{NDF}$ : 1072951.7/10

# yield\_bpm0i01aWS\_mean vs slug



Right In: 143385.326 $\pm$ 0.068  $\chi^2$ /NDF: 284554583.1/9

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

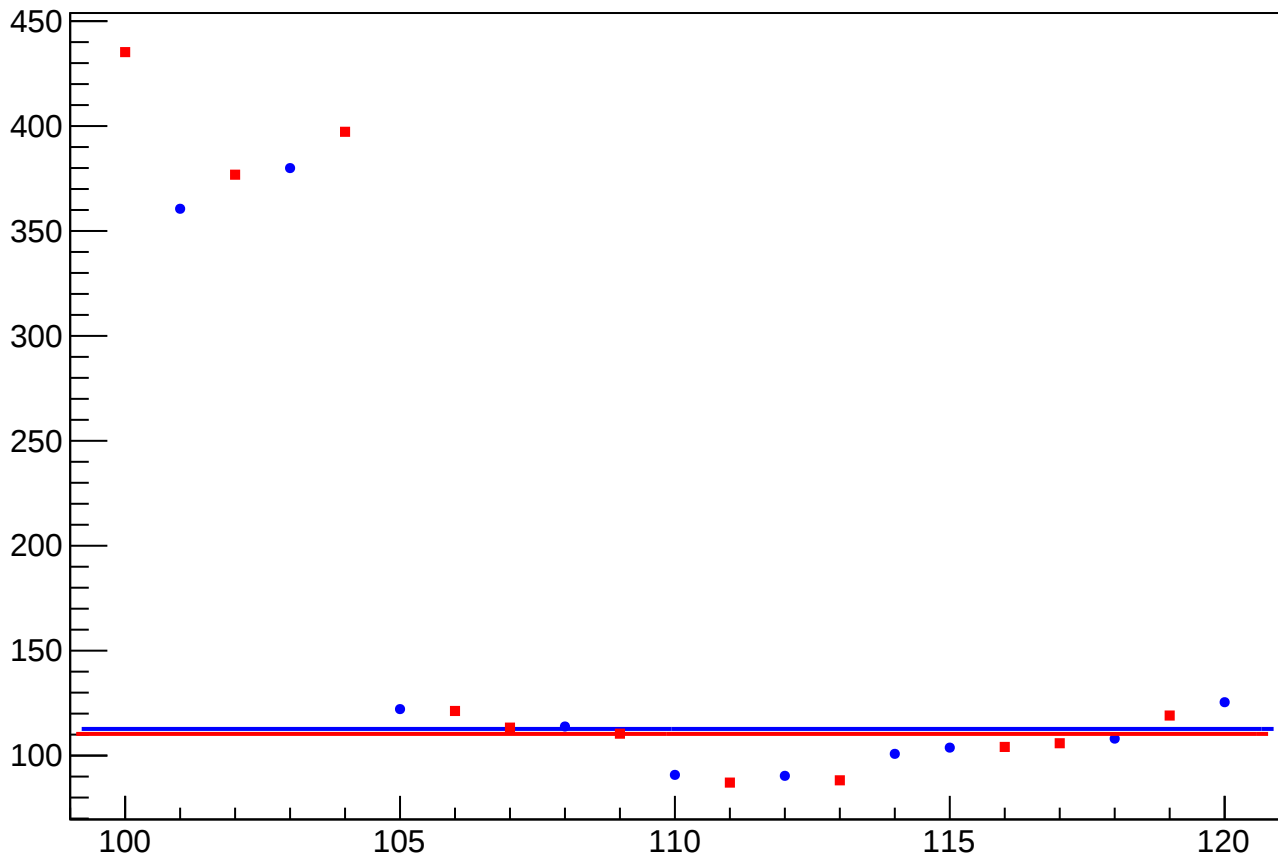
143385.326 $\pm$ 0.068  $\chi^2$ /NDF: 284554583.1/9

Right Out: 143231.102 $\pm$ 0.061  $\chi^2$ /NDF: 240635322.9/10

143231.102 $\pm$ 0.061  $\chi^2$ /NDF: 240635322.9/10

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

# yield\_bpm0i01aWS\_rms vs slug



Right In: 112.703 $\pm$ 0.048  $\chi^2$ /NDF: 1218478.3/9

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

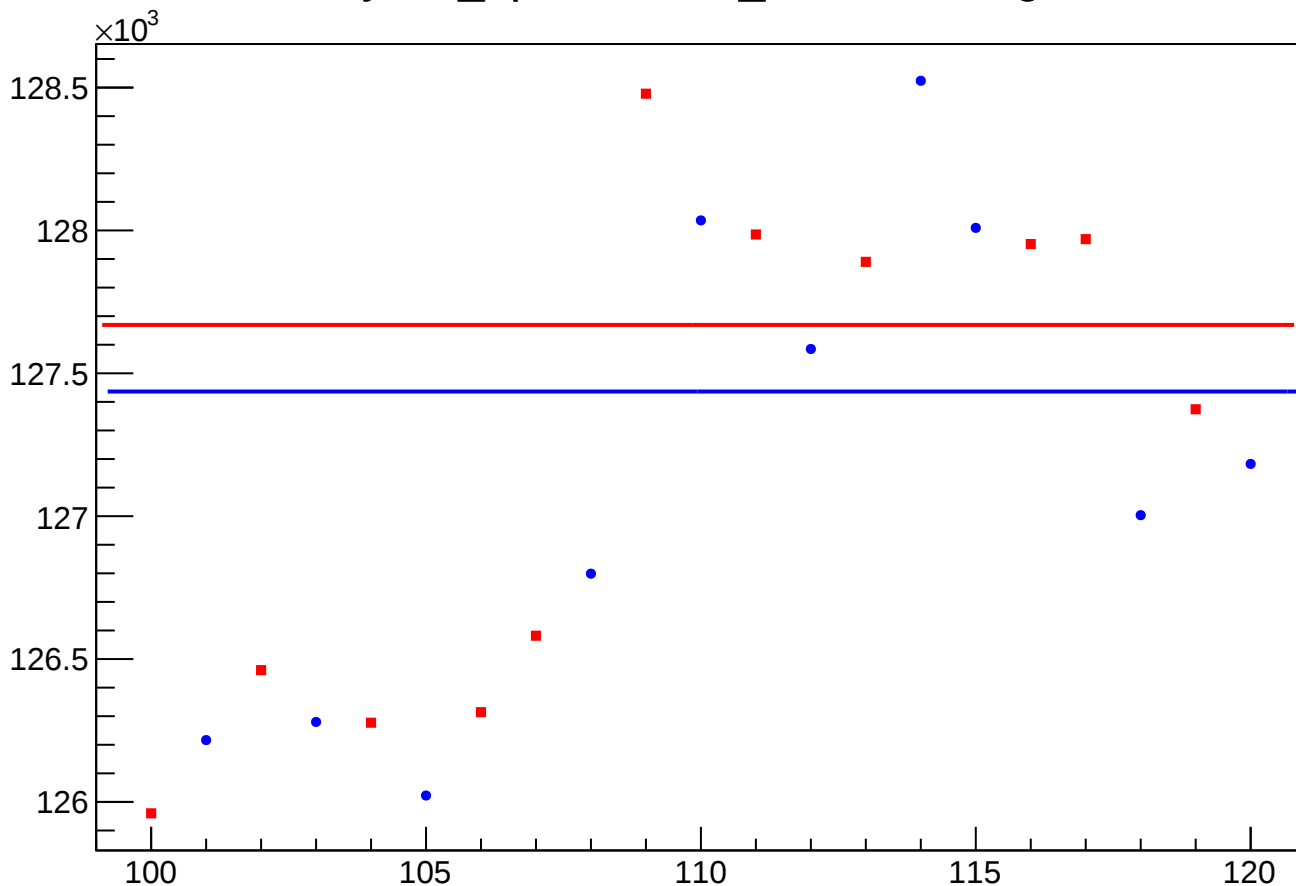
112.703 $\pm$ 0.048  $\chi^2$ /NDF: 1218478.3/9

Right Out: 110.327 $\pm$ 0.043  $\chi^2$ /NDF: 1262544.2/10

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

110.327 $\pm$ 0.043  $\chi^2$ /NDF: 1262544.2/10

# yield\_bpm0l01WS\_mean vs slug



Right In: 127436.296 $\pm$ 0.084  $\chi^2$ /NDF: 56000387.0/9

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

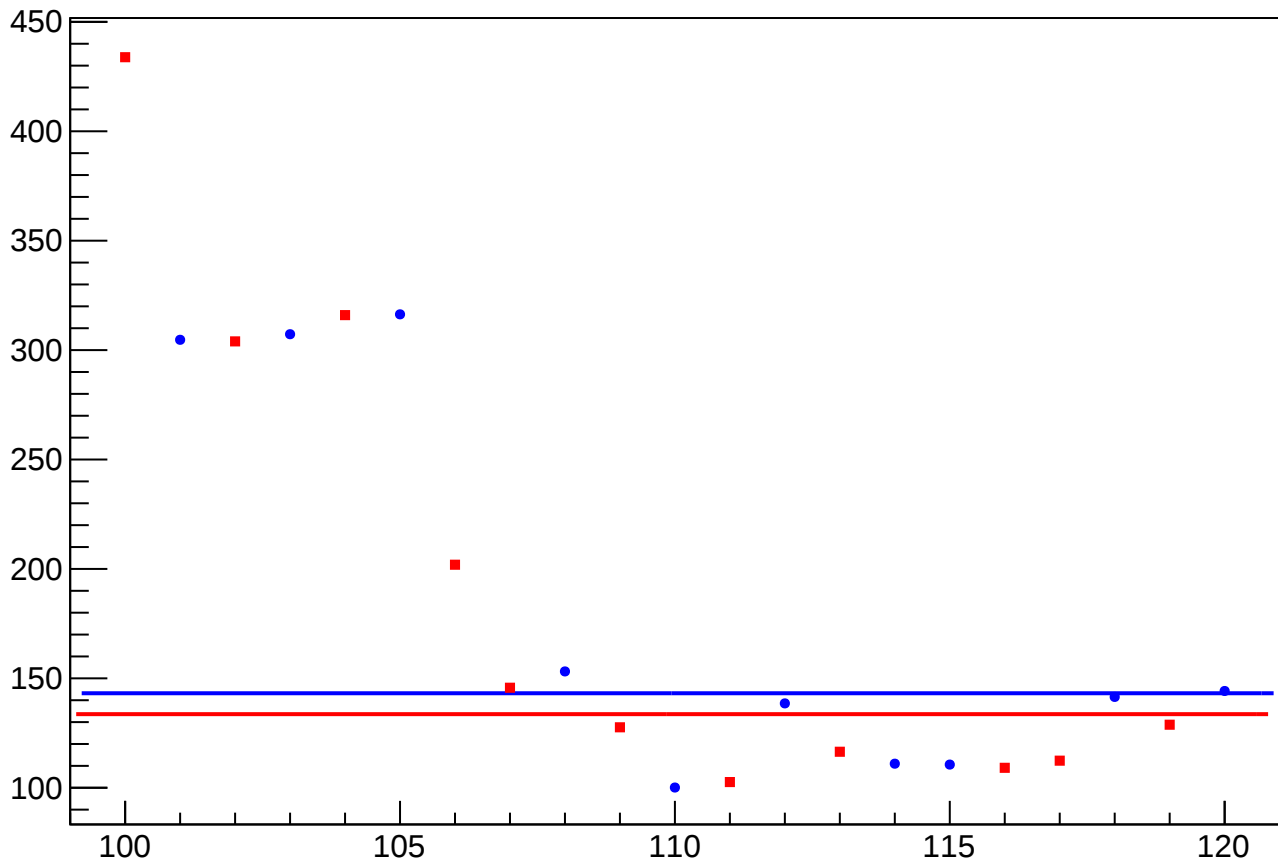
Right Out: 127669.387 $\pm$ 0.073  $\chi^2$ /NDF: 79693055.3/10

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

127436.296 $\pm$ 0.084  $\chi^2$ /NDF: 56000387.0/9

127669.387 $\pm$ 0.073  $\chi^2$ /NDF: 79693055.3/10

# yield\_bpm0l01WS\_rms vs slug



Right In: 143.187 $\pm$ 0.059  $\chi^2$ /NDF: 825812.5/9

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

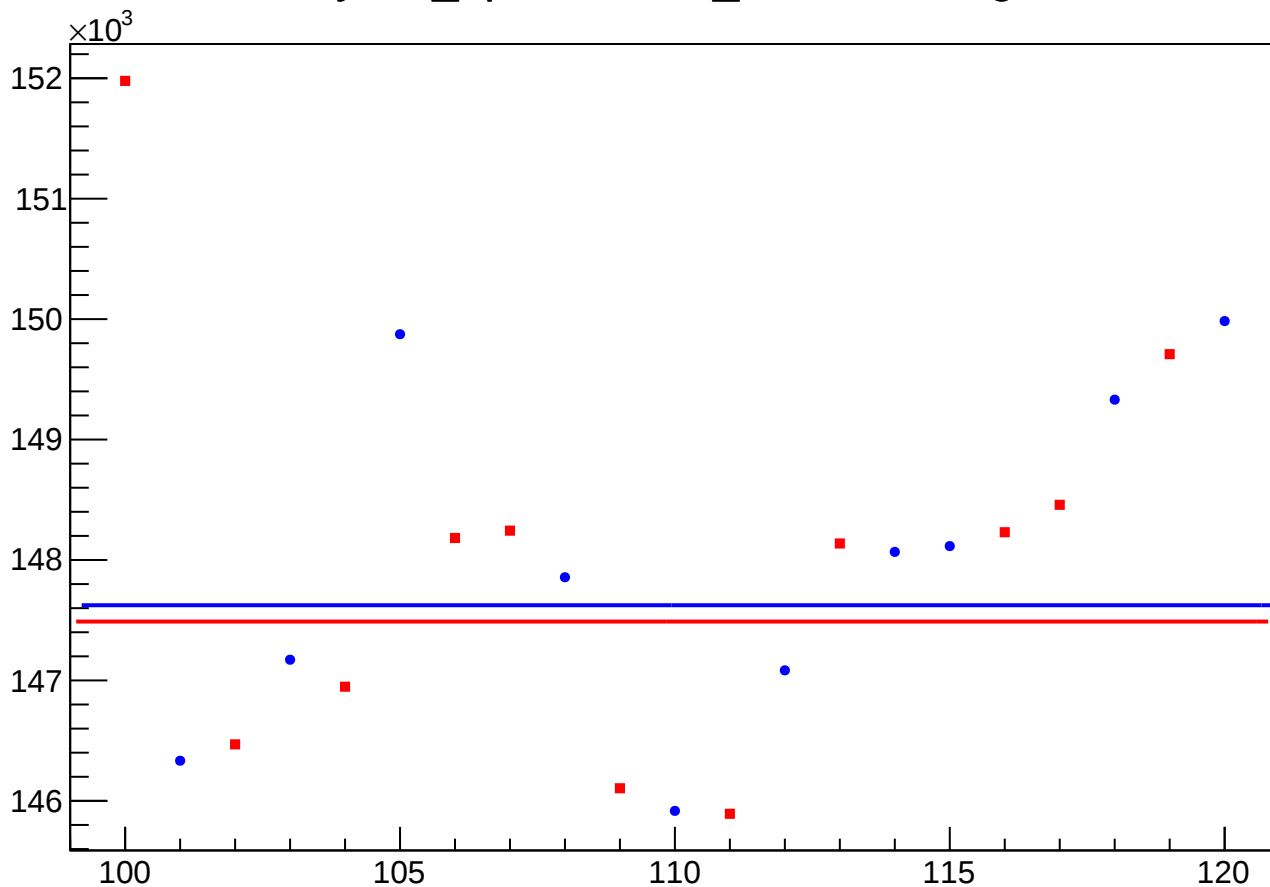
143.187 $\pm$ 0.059  $\chi^2$ /NDF: 825812.5/9

Right Out: 133.636 $\pm$ 0.052  $\chi^2$ /NDF: 926006.0/10

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

133.636 $\pm$ 0.052  $\chi^2$ /NDF: 926006.0/10

# yield\_bpm0l02WS\_mean vs slug



Right In: 147624.367 $\pm$ 0.132  $\chi^2$ /NDF: 76205975.6/9

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

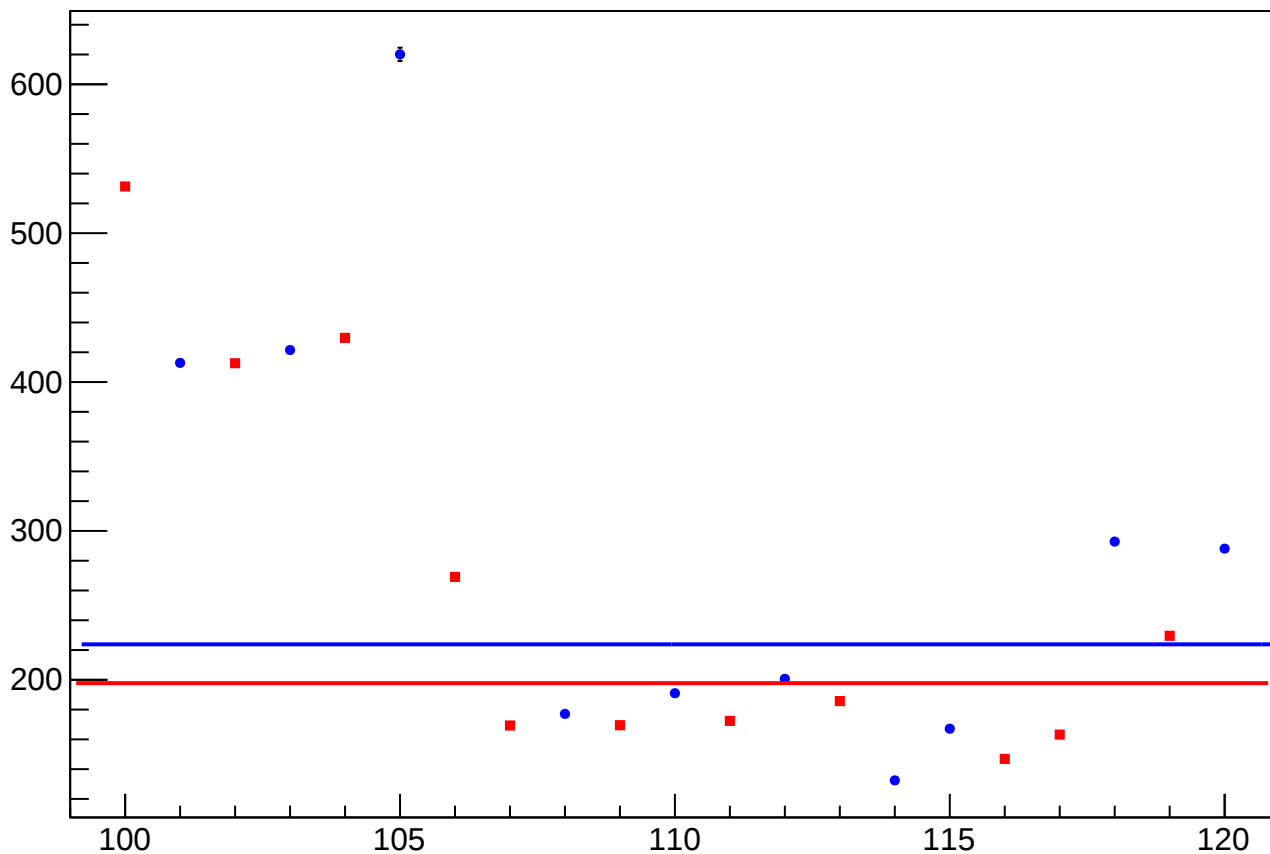
Right Out: 147488.902 $\pm$ 0.108  $\chi^2$ /NDF: 143359356.9/10

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

147624.367 $\pm$ 0.132  $\chi^2$ /NDF: 76205975.6/9

147488.902 $\pm$ 0.108  $\chi^2$ /NDF: 143359356.9/10

# yield\_bpm0l02WS\_rms vs slug



Right In: 223.833 $\pm$ 0.093  $\chi^2$ /NDF: 805714.2/9

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

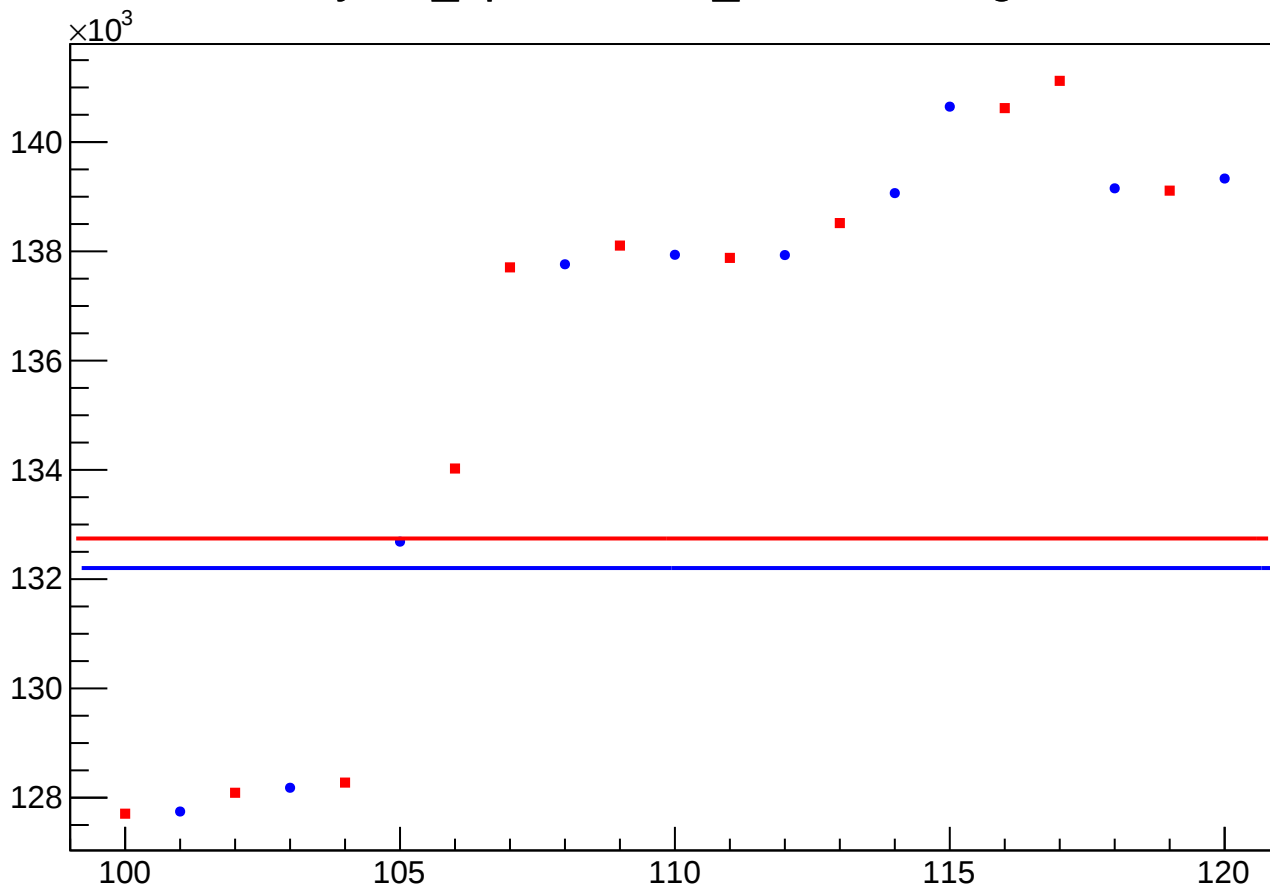
223.833 $\pm$ 0.093  $\chi^2$ /NDF: 805714.2/9

Right Out: 197.761 $\pm$ 0.077  $\chi^2$ /NDF: 816473.7/10

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

197.761 $\pm$ 0.077  $\chi^2$ /NDF: 816473.7/10

# yield\_bpm0l03WS\_mean vs slug



Right In: 132203.242 $\pm$ 0.227  $\chi^2$ /NDF: 523446297.6/9

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

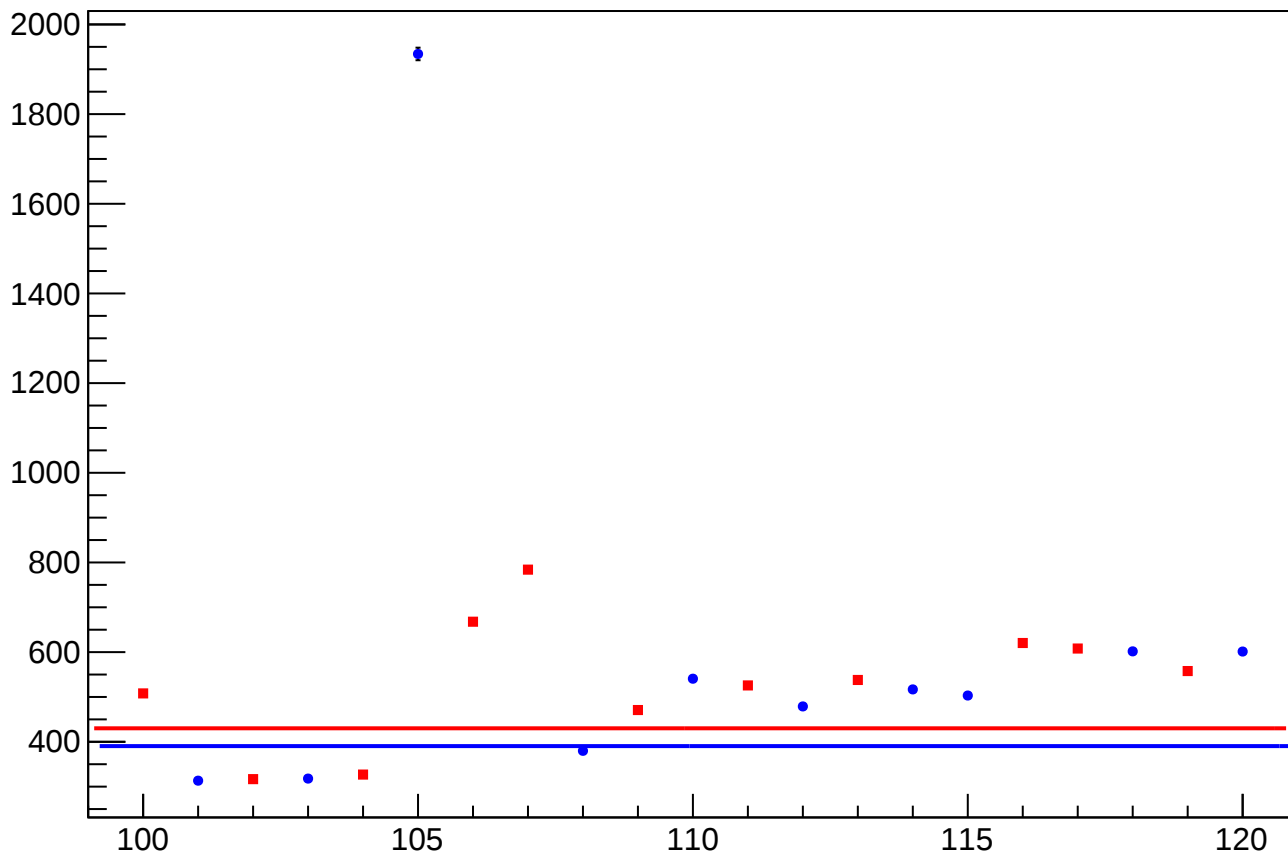
132203.242 $\pm$ 0.227  $\chi^2$ /NDF: 523446297.6/9

Right Out: 132744.242 $\pm$ 0.230  $\chi^2$ /NDF: 489963010.6/10

132744.242 $\pm$ 0.230  $\chi^2$ /NDF: 489963010.6/10

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

# yield\_bpm0l03WS\_rms vs slug



Right In: 390.409+/-0.161  $\chi^2/\text{NDF}$ : 434444.9/9

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

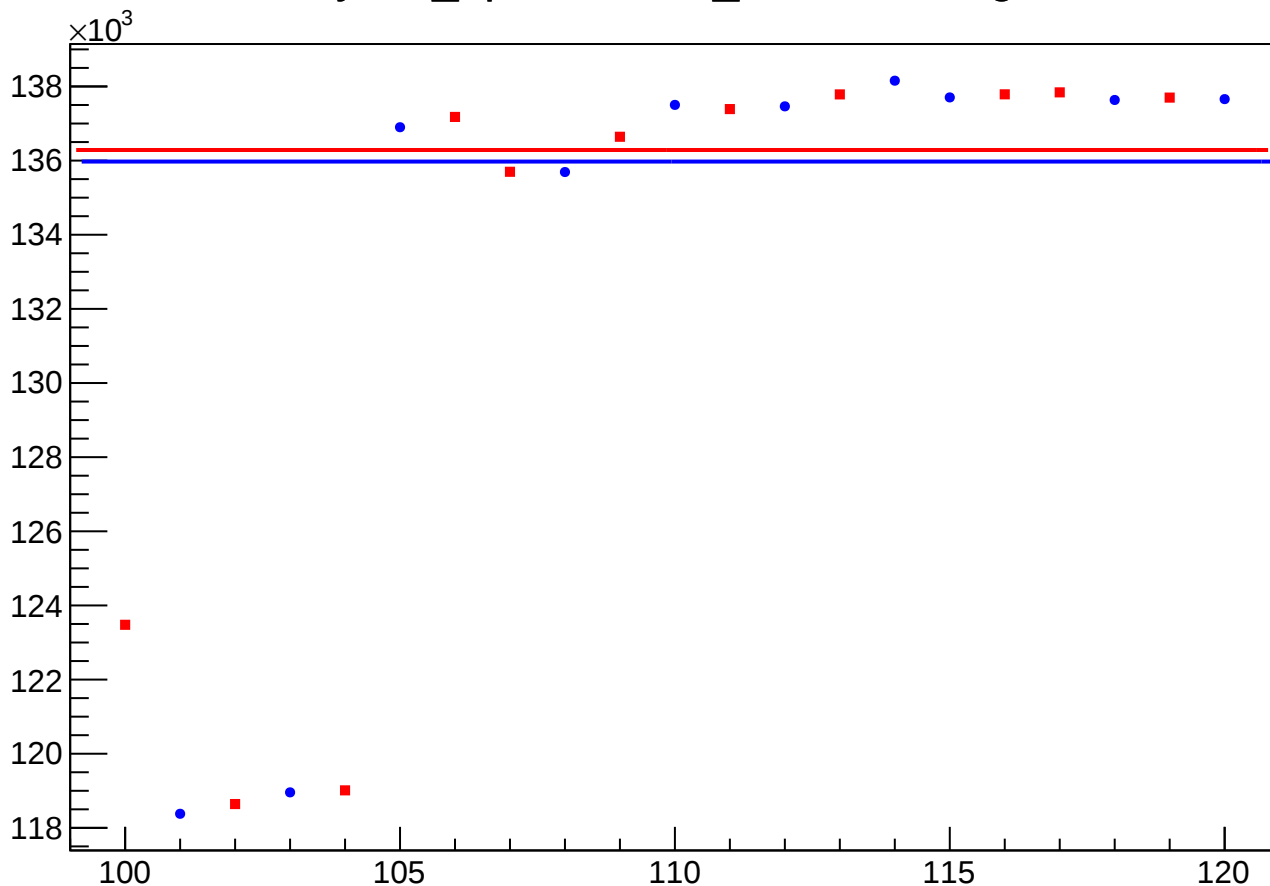
Right Out: 430.094+/-0.163  $\chi^2/\text{NDF}$ : 614521.9/10

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

390.409+/-0.161  $\chi^2/\text{NDF}$ : 434444.9/9

430.094+/-0.163  $\chi^2/\text{NDF}$ : 614521.9/10

# yield\_bpm0l04WS\_mean vs slug



Right In: 135973.978 $\pm$ 0.086  $\chi^2$ /NDF: 3400718481.7/9

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

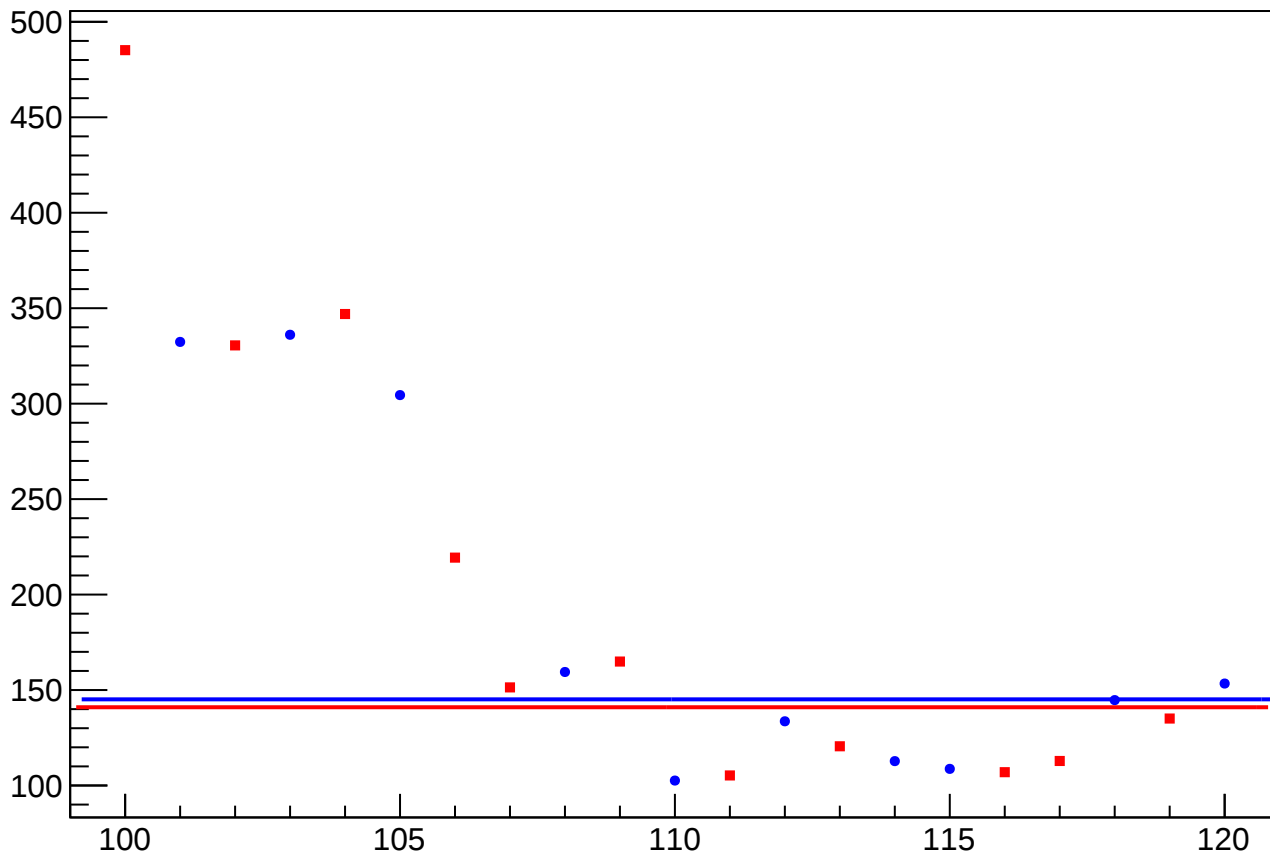
135973.978 $\pm$ 0.086  $\chi^2$ /NDF: 3400718481.7/9

Right Out: 136285.954 $\pm$ 0.078  $\chi^2$ /NDF: 3056668469.7/10

136285.954 $\pm$ 0.078  $\chi^2$ /NDF: 3056668469.7/10

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

# yield\_bpm0l04WS\_rms vs slug



Right In: 145.123+/-0.060  $\chi^2/\text{NDF}$ : 917884.3/9

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

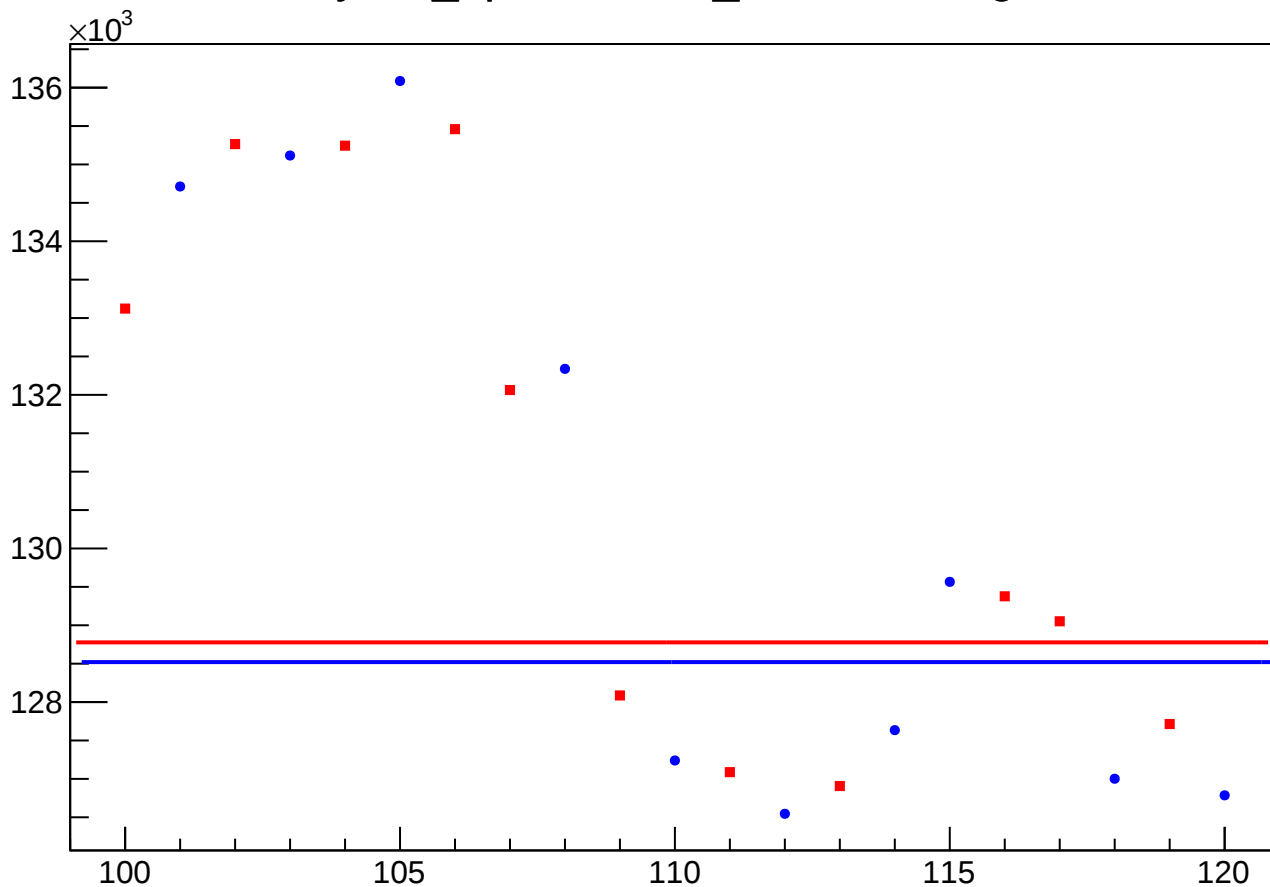
145.123+/-0.060  $\chi^2/\text{NDF}$ : 917884.3/9

Right Out: 140.982+/-0.055  $\chi^2/\text{NDF}$ : 1043937.4/10

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

140.982+/-0.055  $\chi^2/\text{NDF}$ : 1043937.4/10

# yield\_bpm0l05WS\_mean vs slug



Right In: 128520.413 $\pm$ 0.100  $\chi^2$ /NDF: 728956769.6/9

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

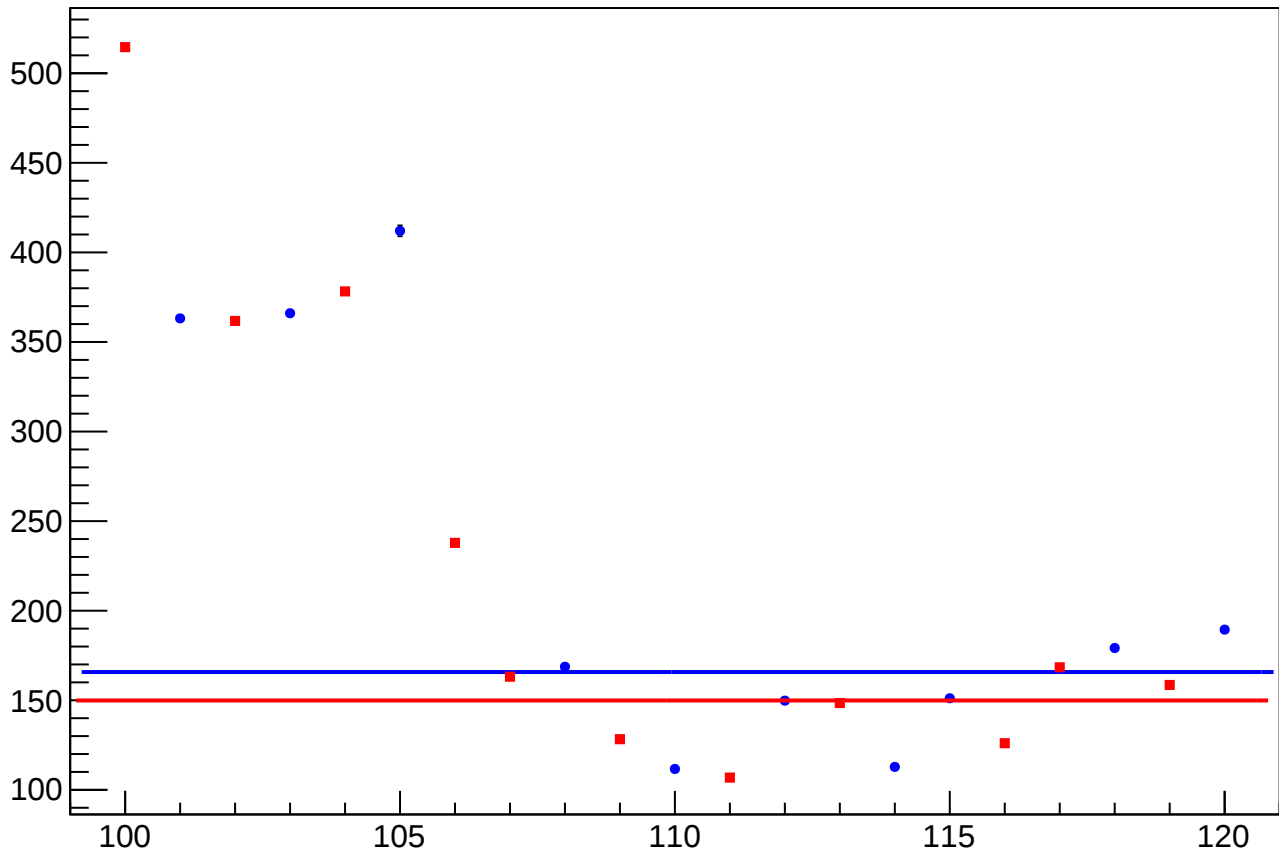
Right Out: 128777.265 $\pm$ 0.084  $\chi^2$ /NDF: 868395383.9/10

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

128520.413 $\pm$ 0.100  $\chi^2$ /NDF: 728956769.6/9

128777.265 $\pm$ 0.084  $\chi^2$ /NDF: 868395383.9/10

# yield\_bpm0l05WS\_rms vs slug



Right In: 165.763+/-0.071  $\chi^2/\text{NDF}$ : 914436.4/9

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

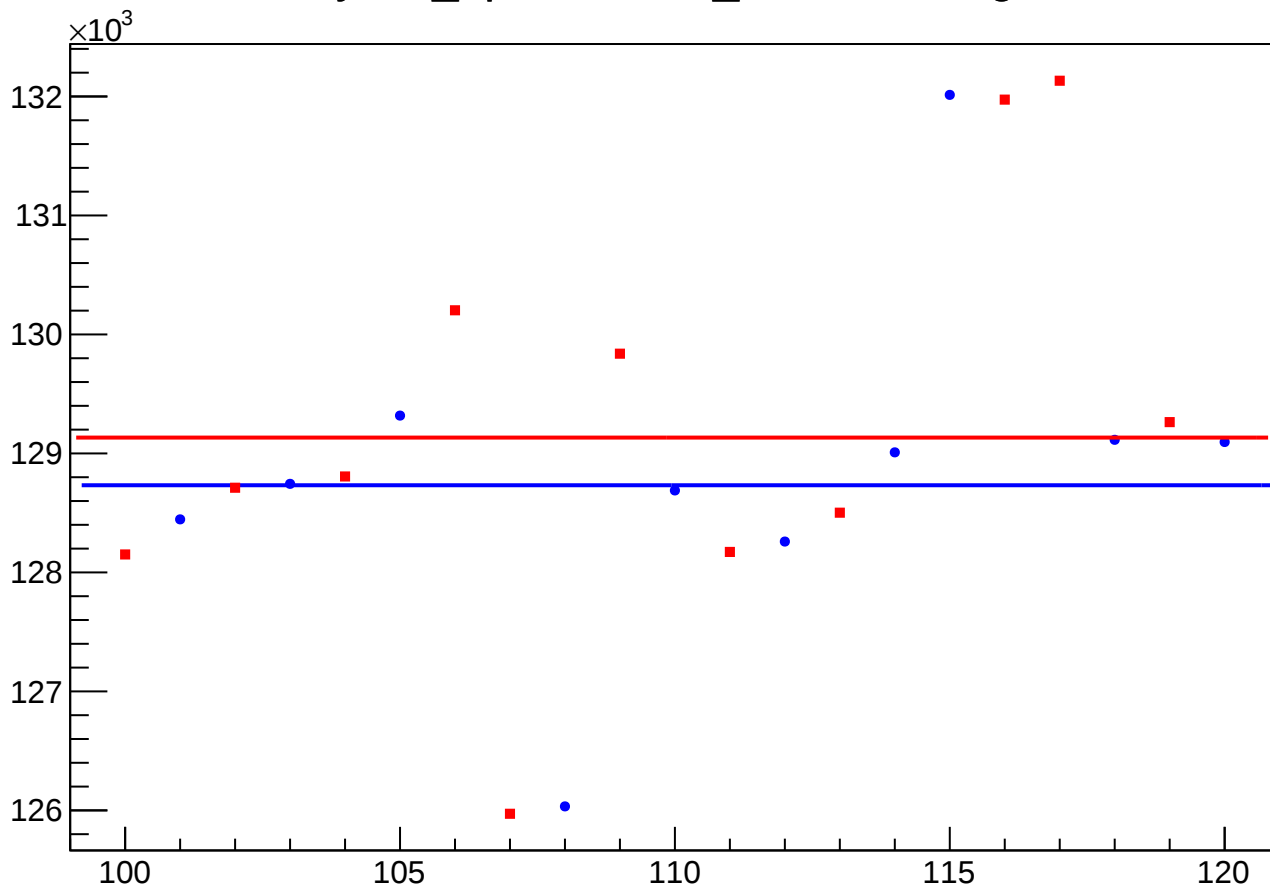
165.763+/-0.071  $\chi^2/\text{NDF}$ : 914436.4/9

Right Out: 149.896+/-0.060  $\chi^2/\text{NDF}$ : 1056244.2/10

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

149.896+/-0.060  $\chi^2/\text{NDF}$ : 1056244.2/10

# yield\_bpm0l06WS\_mean vs slug



Right In: 128732.588 $\pm$ 0.083  $\chi^2$ /NDF: 276985565.4/9

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

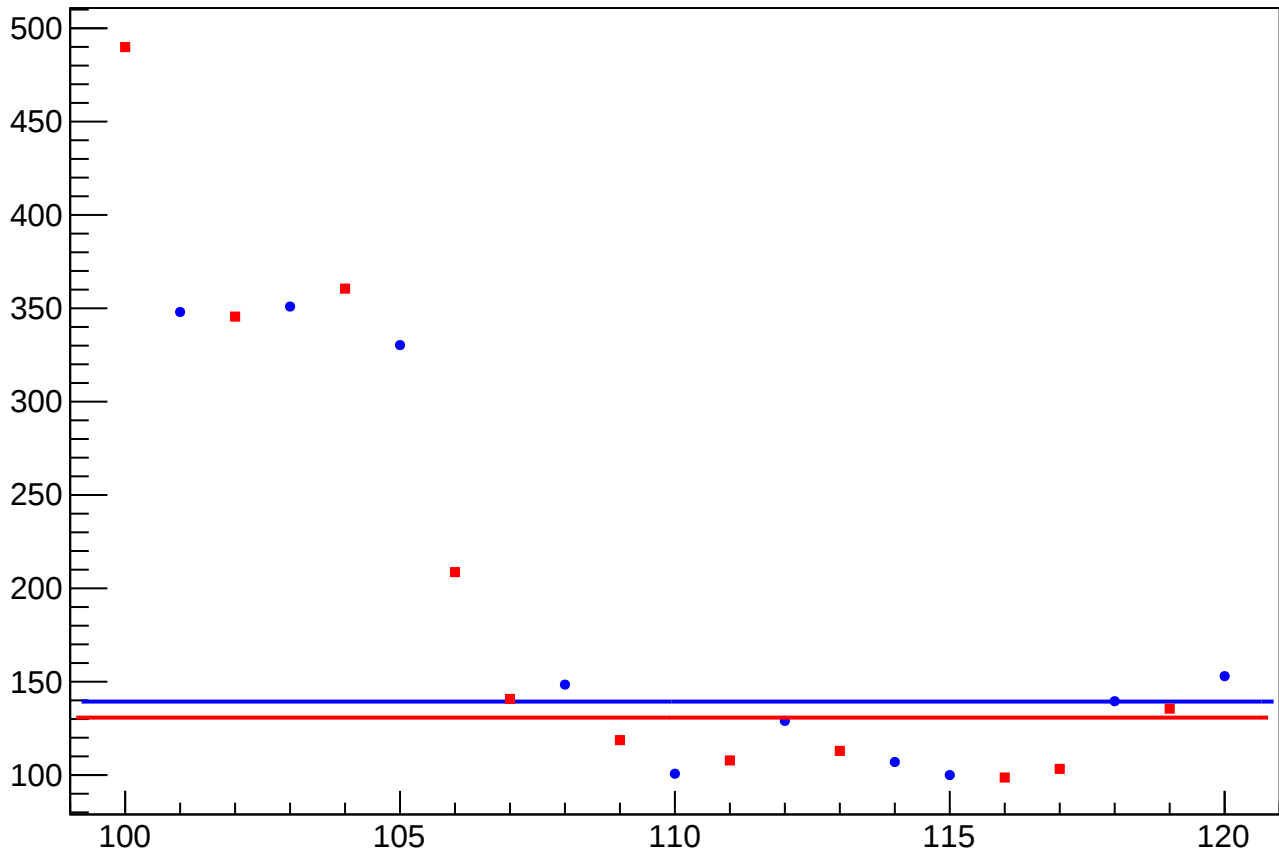
128732.588 $\pm$ 0.083  $\chi^2$ /NDF: 276985565.4/9

Right Out: 129133.191 $\pm$ 0.072  $\chi^2$ /NDF: 485703457.6/10

129133.191 $\pm$ 0.072  $\chi^2$ /NDF: 485703457.6/10

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

# yield\_bpm0l06WS\_rms vs slug



Right In: 139.359+/-0.059  $\chi^2/\text{NDF}$ : 1011295.8/9

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

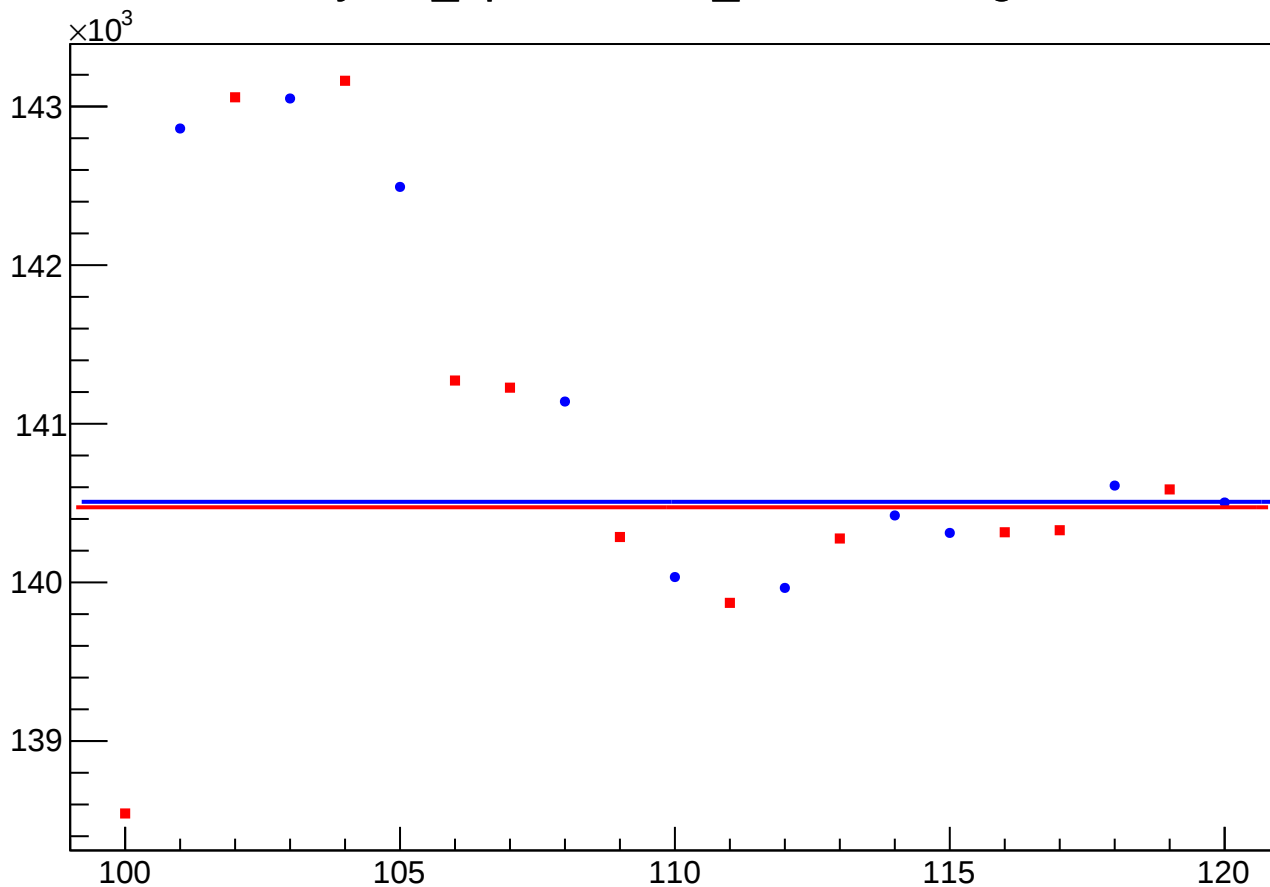
139.359+/-0.059  $\chi^2/\text{NDF}$ : 1011295.8/9

Right Out: 130.770+/-0.051  $\chi^2/\text{NDF}$ : 1098433.5/10

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

130.770+/-0.051  $\chi^2/\text{NDF}$ : 1098433.5/10

# yield\_bpm0l07WS\_mean vs slug



Right In: 140508.046 $\pm$ 0.088  $\chi^2$ /NDF: 63087322.2/9

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

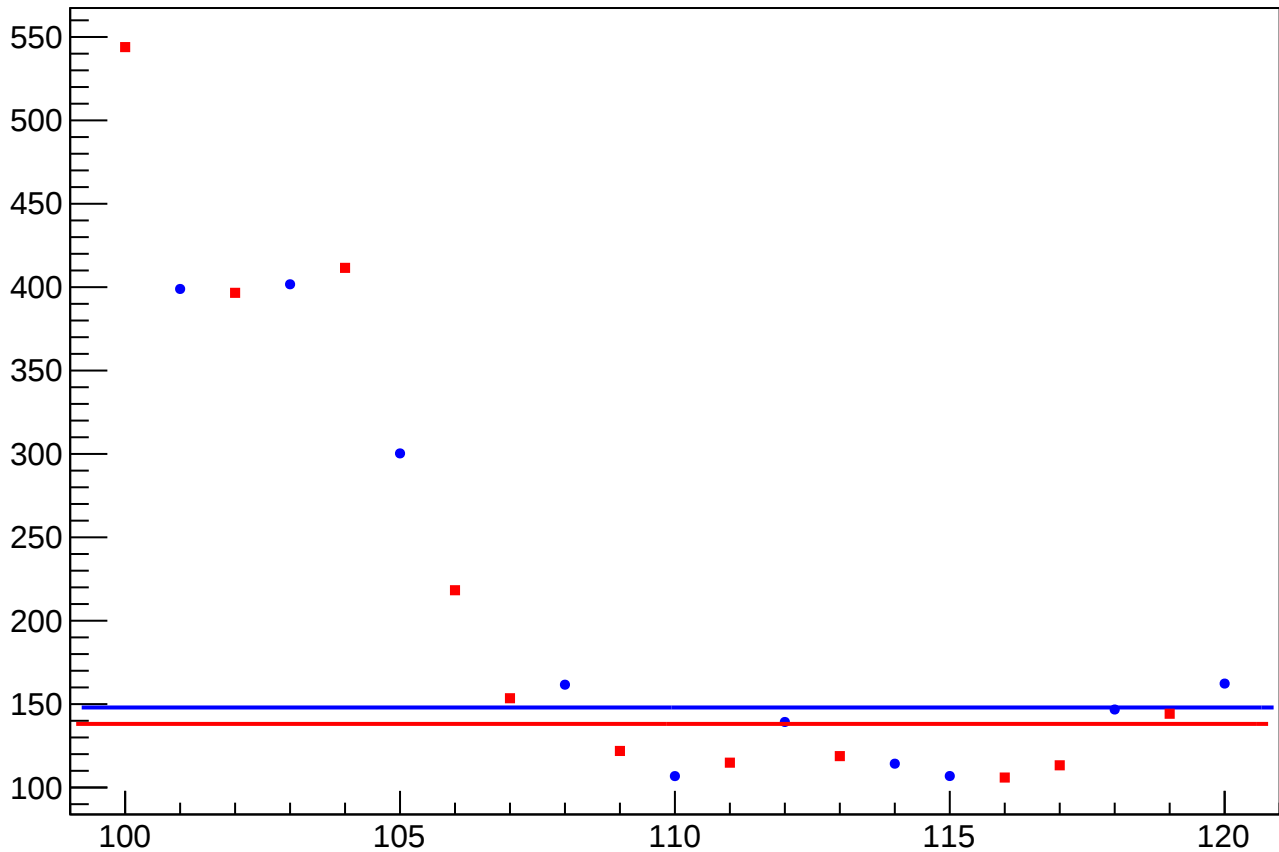
140508.046 $\pm$ 0.088  $\chi^2$ /NDF: 63087322.2/9

Right Out: 140473.552 $\pm$ 0.077  $\chi^2$ /NDF: 71849680.2/10

140473.552 $\pm$ 0.077  $\chi^2$ /NDF: 71849680.2/10

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

# yield\_bpm0l07WS\_rms vs slug



Right In: 147.980+/-0.062  $\chi^2/\text{NDF}$ : 1093936.9/9

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

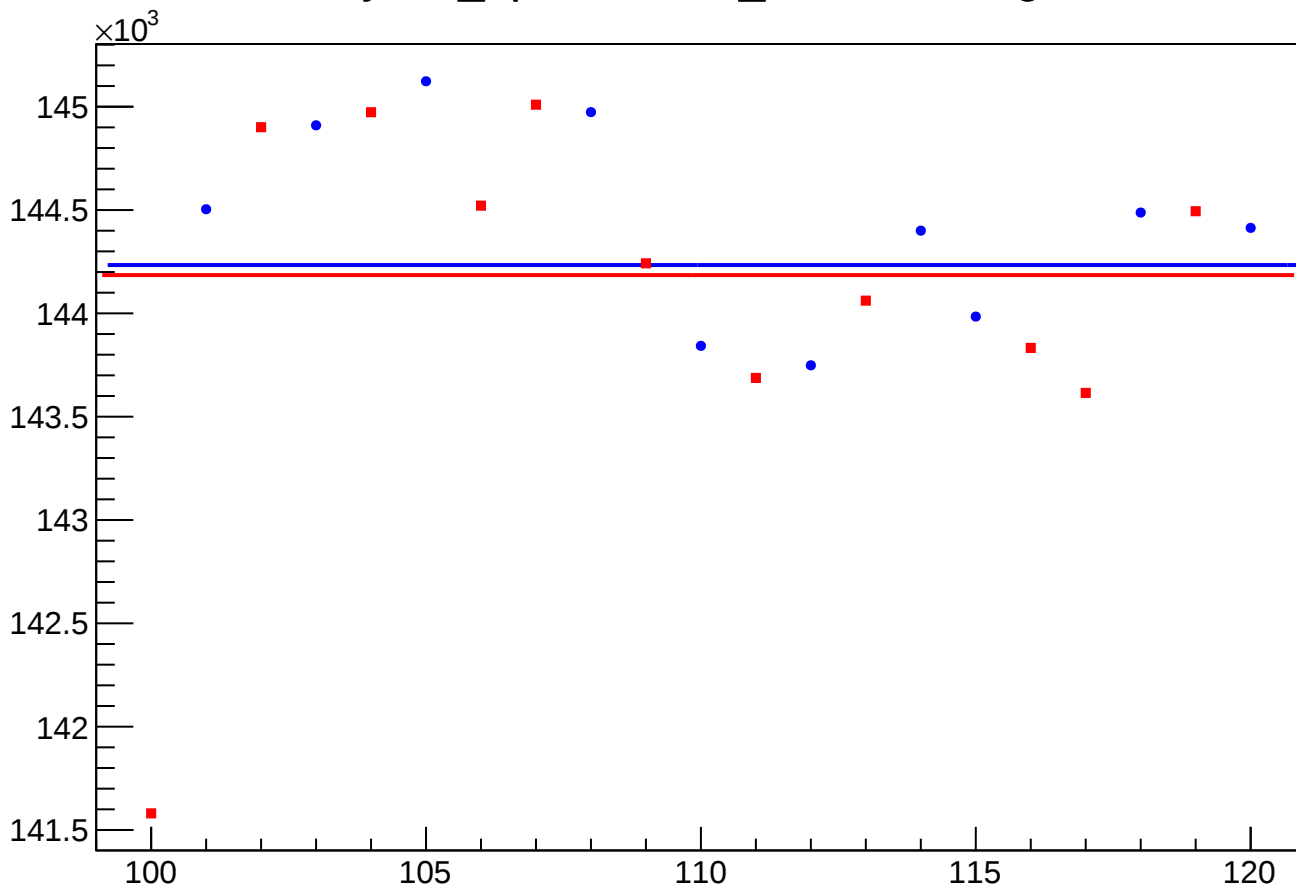
147.980+/-0.062  $\chi^2/\text{NDF}$ : 1093936.9/9

Right Out: 138.129+/-0.054  $\chi^2/\text{NDF}$ : 1179392.5/10

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

138.129+/-0.054  $\chi^2/\text{NDF}$ : 1179392.5/10

# yield\_bpm0l08WS\_mean vs slug



Right In: 144233.783 $\pm$ 0.092  $\chi^2$ /NDF: 20914709.9/9

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

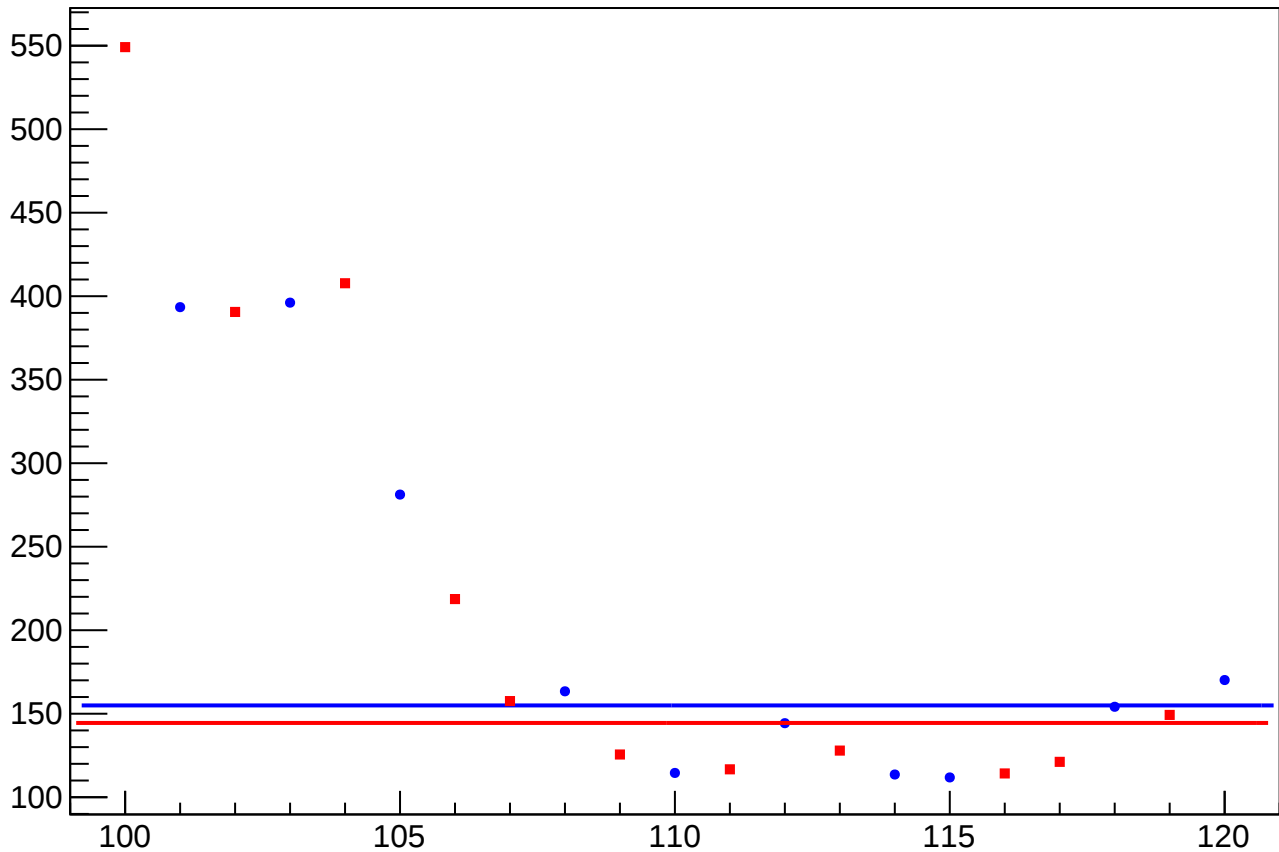
144233.783 $\pm$ 0.092  $\chi^2$ /NDF: 20914709.9/9

Right Out: 144185.128 $\pm$ 0.080  $\chi^2$ /NDF: 29001673.0/10

144185.128 $\pm$ 0.080  $\chi^2$ /NDF: 29001673.0/10

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

# yield\_bpm0l08WS\_rms vs slug



Right In: 154.967+/-0.065  $\chi^2/\text{NDF}$ : 1019121.0/9

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

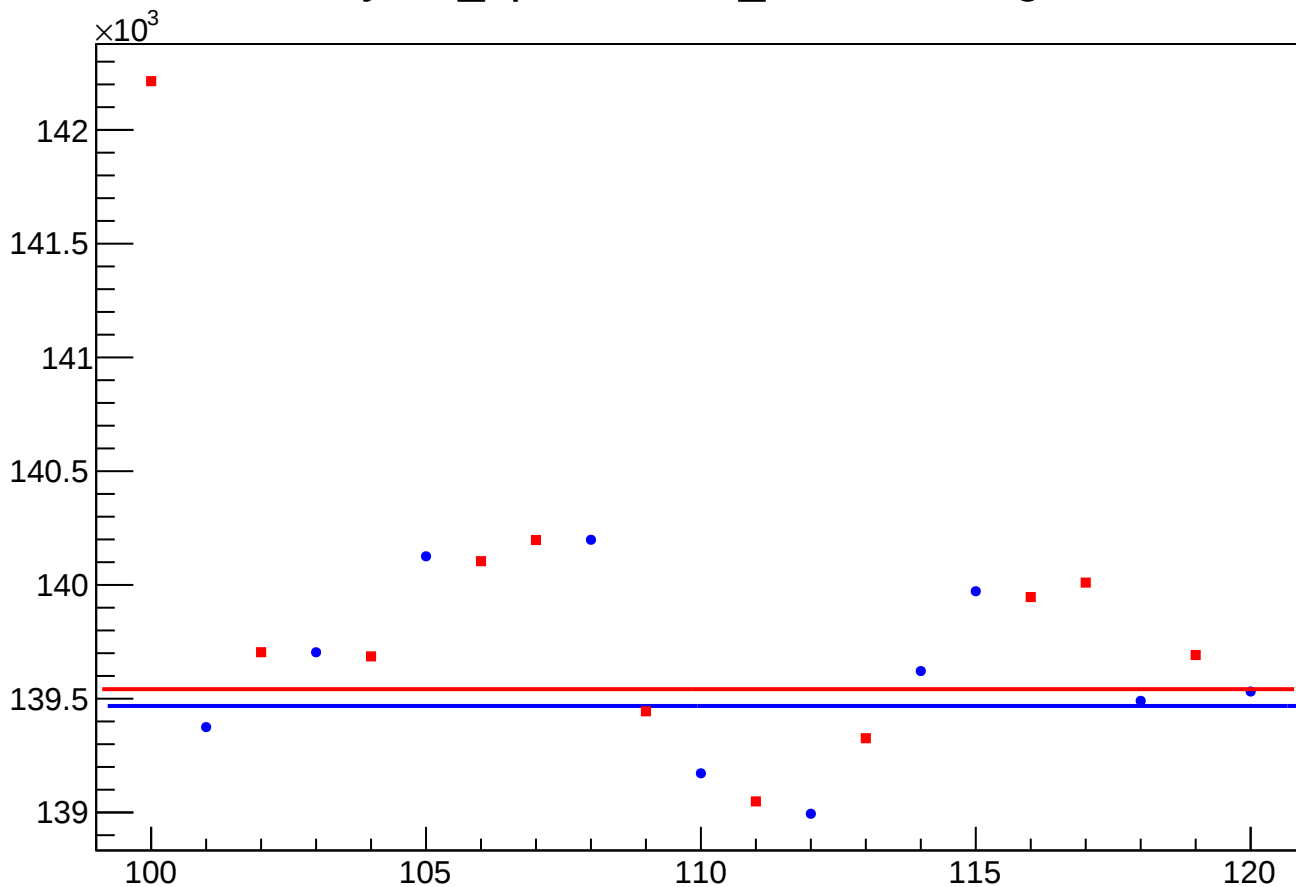
154.967+/-0.065  $\chi^2/\text{NDF}$ : 1019121.0/9

Right Out: 144.475+/-0.056  $\chi^2/\text{NDF}$ : 1108200.4/10

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

144.475+/-0.056  $\chi^2/\text{NDF}$ : 1108200.4/10

# yield\_bpm0l09WS\_mean vs slug



Right In: 139468.057 $\pm$ 0.093  $\chi^2$ /NDF: 16662836.4/9

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

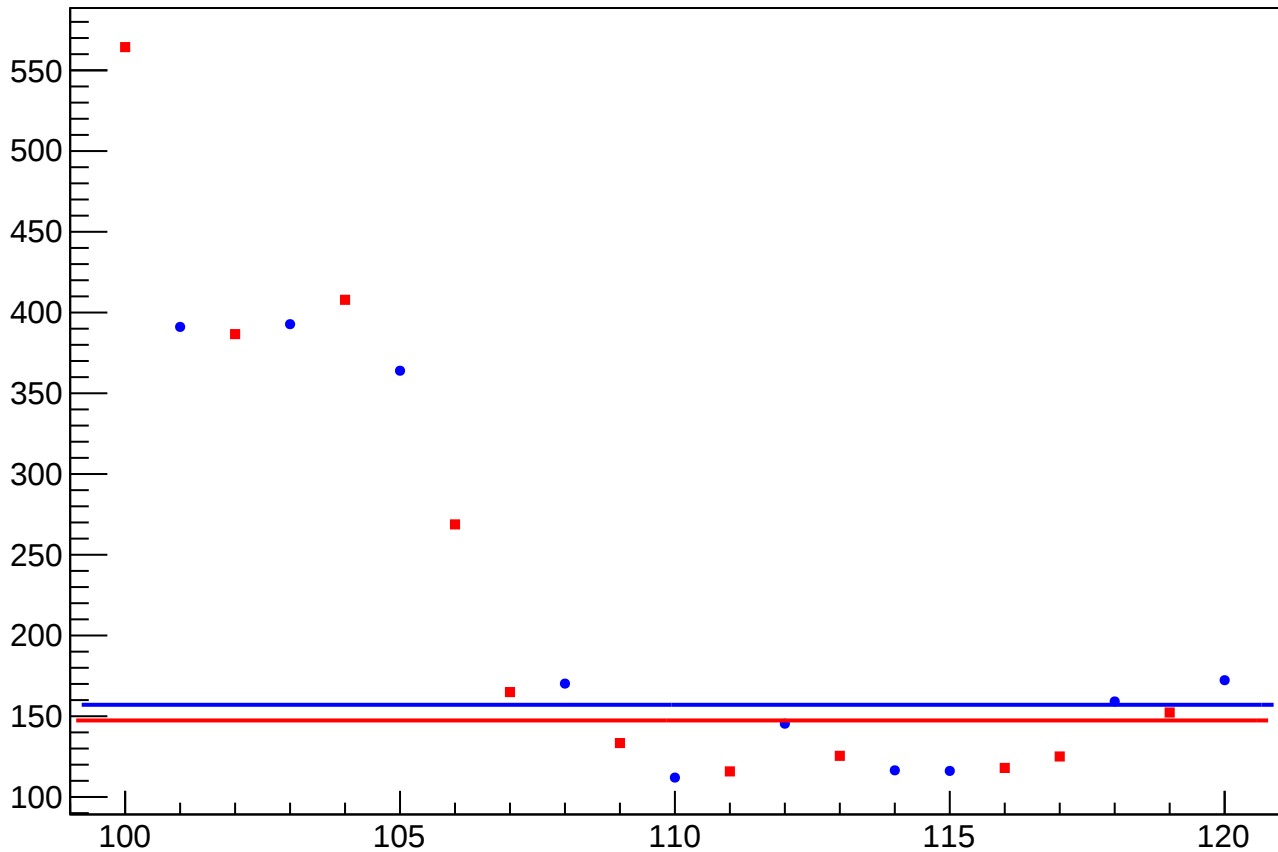
Right Out: 139541.853 $\pm$ 0.082  $\chi^2$ /NDF: 21458894.4/10

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

139468.057 $\pm$ 0.093  $\chi^2$ /NDF: 16662836.4/9

139541.853 $\pm$ 0.082  $\chi^2$ /NDF: 21458894.4/10

# yield\_bpm0l09WS\_rms vs slug



Right In: 157.092 $\pm$ 0.066  $\chi^2$ /NDF: 1015586.7/9

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

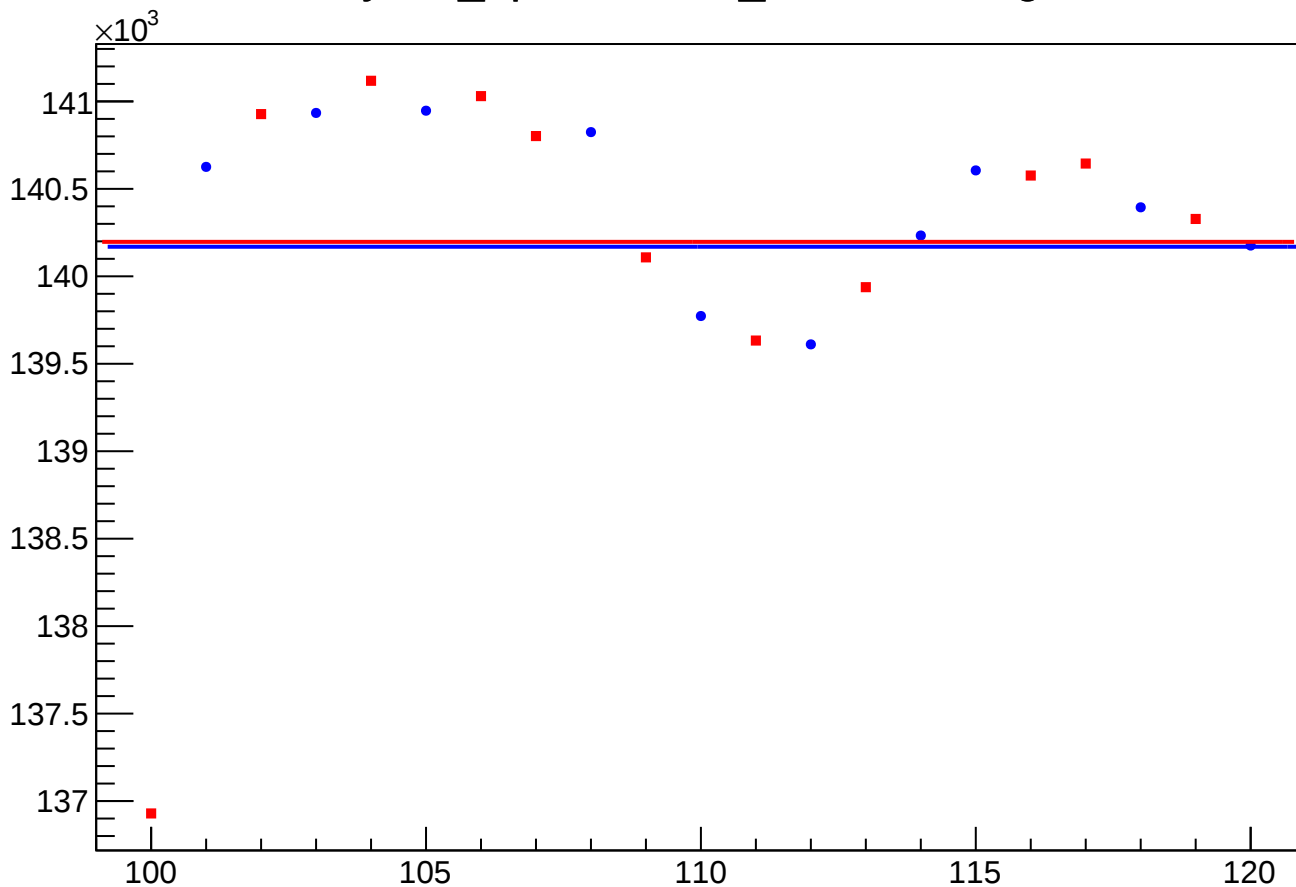
157.092 $\pm$ 0.066  $\chi^2$ /NDF: 1015586.7/9

Right Out: 147.393 $\pm$ 0.058  $\chi^2$ /NDF: 1144841.3/10

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

147.393 $\pm$ 0.058  $\chi^2$ /NDF: 1144841.3/10

# yield\_bpm0l10WS\_mean vs slug



Right In: 140169.063 $\pm$ 0.094  $\chi^2$ /NDF: 21811619.2/9

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

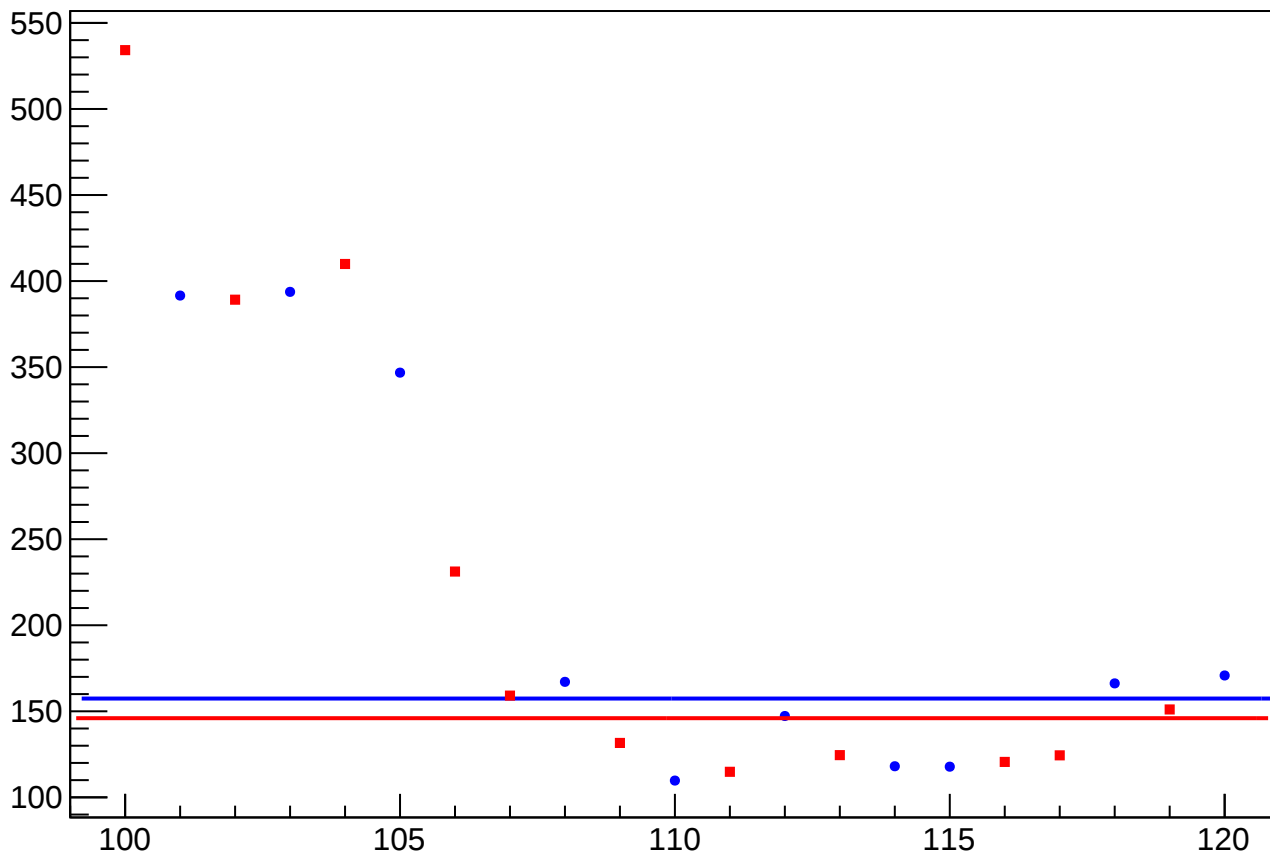
140169.063 $\pm$ 0.094  $\chi^2$ /NDF: 21811619.2/9

Right Out: 140197.044 $\pm$ 0.081  $\chi^2$ /NDF: 30988013.1/10

140197.044 $\pm$ 0.081  $\chi^2$ /NDF: 30988013.1/10

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

# yield\_bpm0l10WS\_rms vs slug



Right In: 157.411+/-0.066  $\chi^2/\text{NDF}$ : 1026126.8/9

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

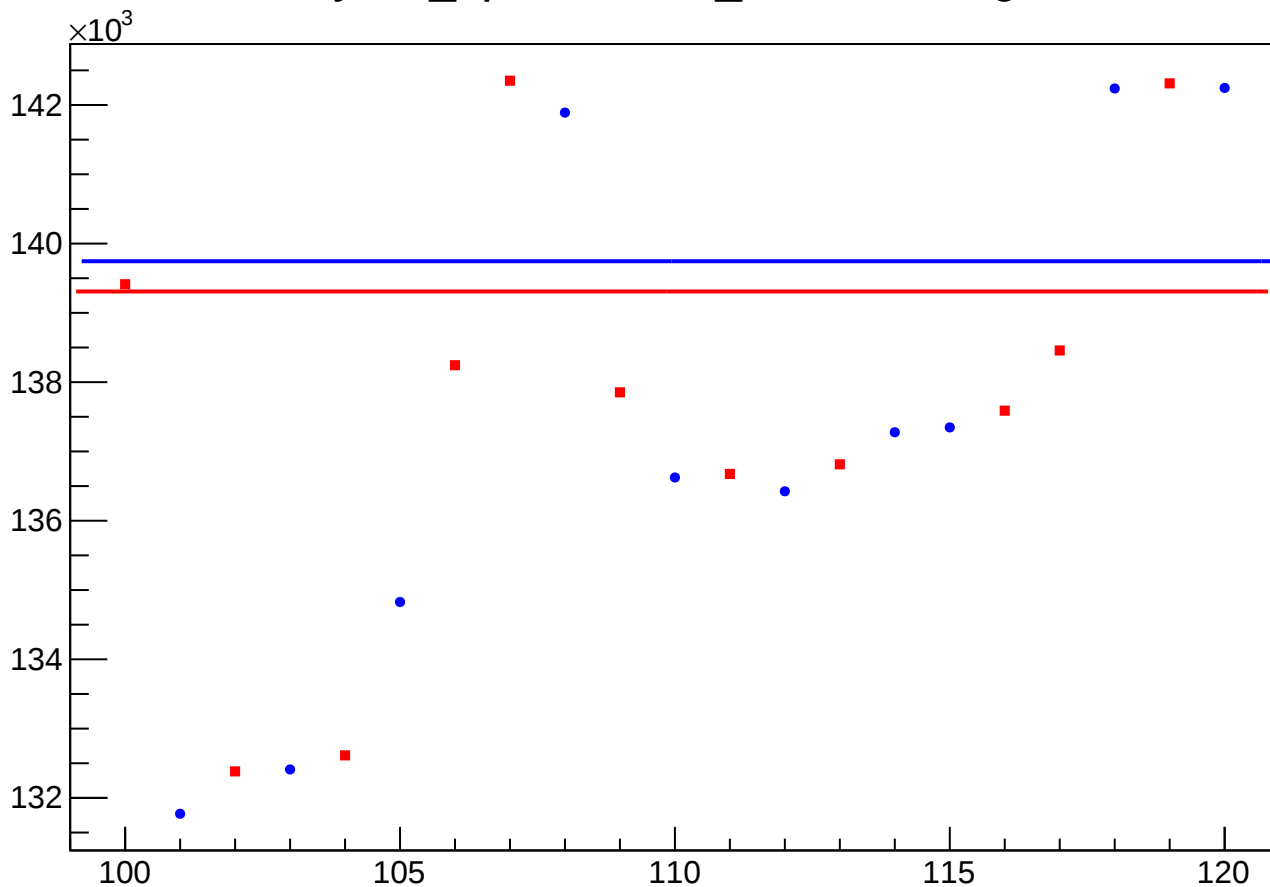
157.411+/-0.066  $\chi^2/\text{NDF}$ : 1026126.8/9

Right Out: 145.994+/-0.057  $\chi^2/\text{NDF}$ : 1105768.1/10

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

145.994+/-0.057  $\chi^2/\text{NDF}$ : 1105768.1/10

# yield\_bpm0r03WS\_mean vs slug



Right In: 139745.333 $\pm$ 0.148  $\chi^2$ /NDF: 581379847.0/9

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

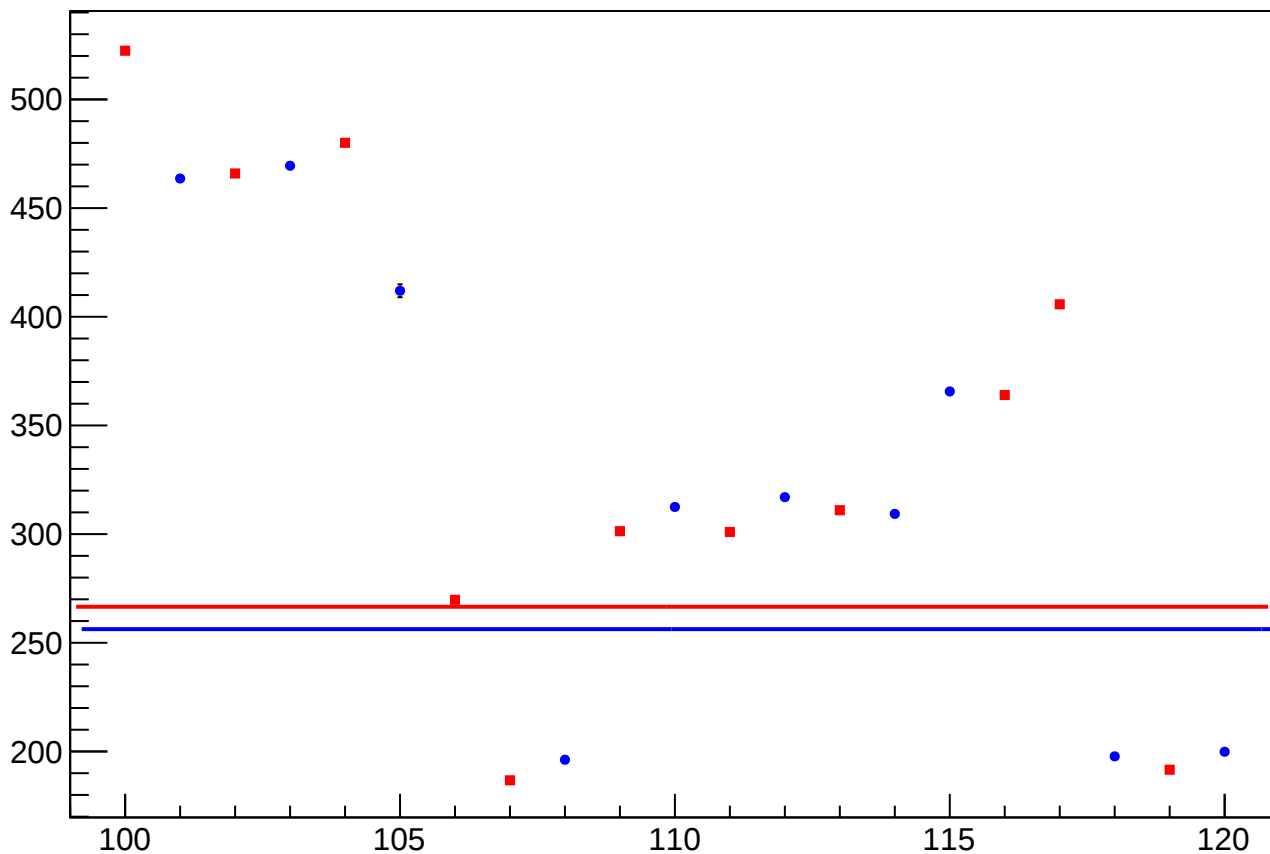
139745.333 $\pm$ 0.148  $\chi^2$ /NDF: 581379847.0/9

Right Out: 139308.316 $\pm$ 0.144  $\chi^2$ /NDF: 507622436.5/10

139308.316 $\pm$ 0.144  $\chi^2$ /NDF: 507622436.5/10

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

# yield\_bpm0r03WS\_rms vs slug



Right In: 256.278+/-0.105  $\chi^2/\text{NDF}$ : 762093.3/9

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

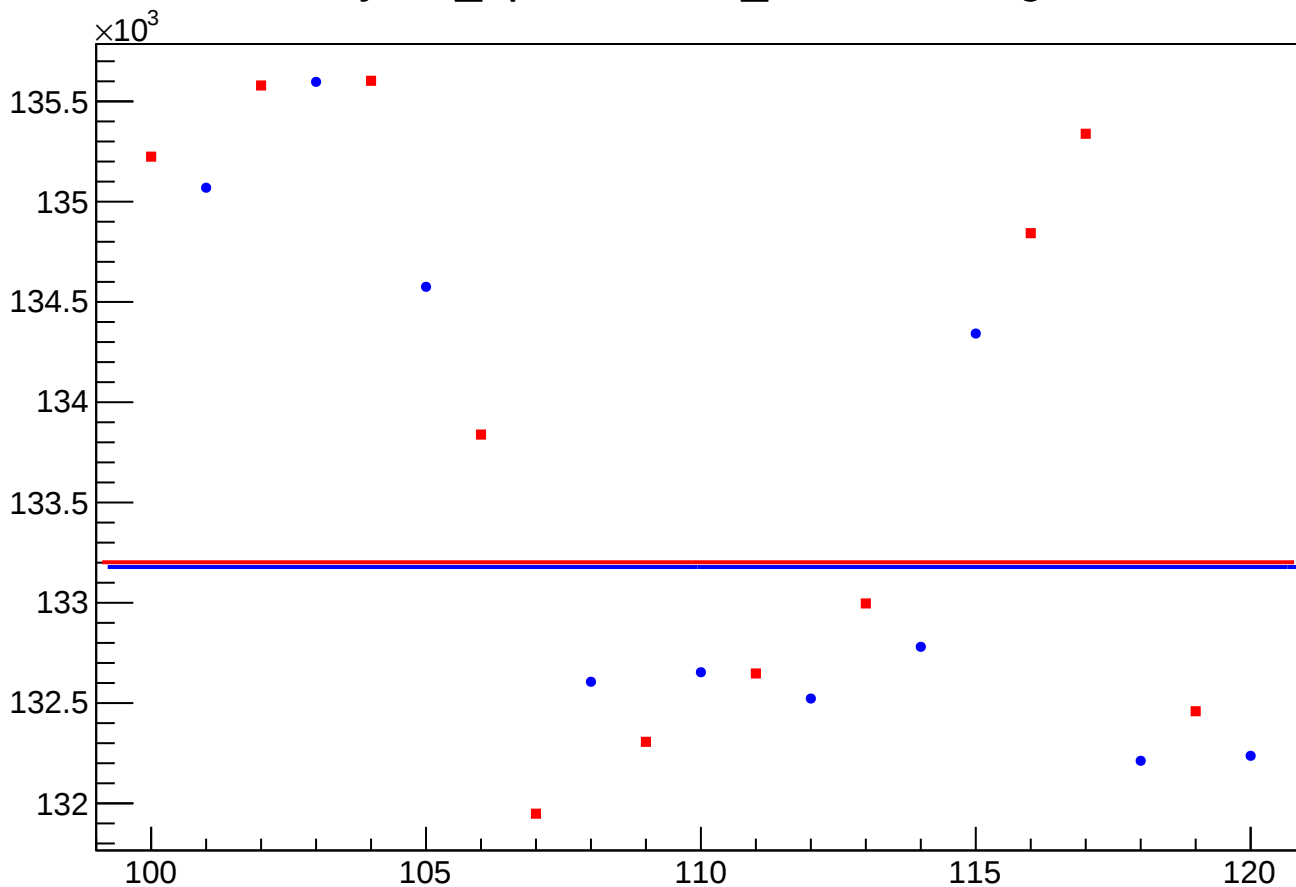
256.278+/-0.105  $\chi^2/\text{NDF}$ : 762093.3/9

Right Out: 266.585+/-0.102  $\chi^2/\text{NDF}$ : 786112.5/10

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

266.585+/-0.102  $\chi^2/\text{NDF}$ : 786112.5/10

yield\_bpm0r05WS\_mean vs slug



Right In: 133178.351 $\pm$ 0.147  $\chi^2$ /NDF: 57789630.9/9

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

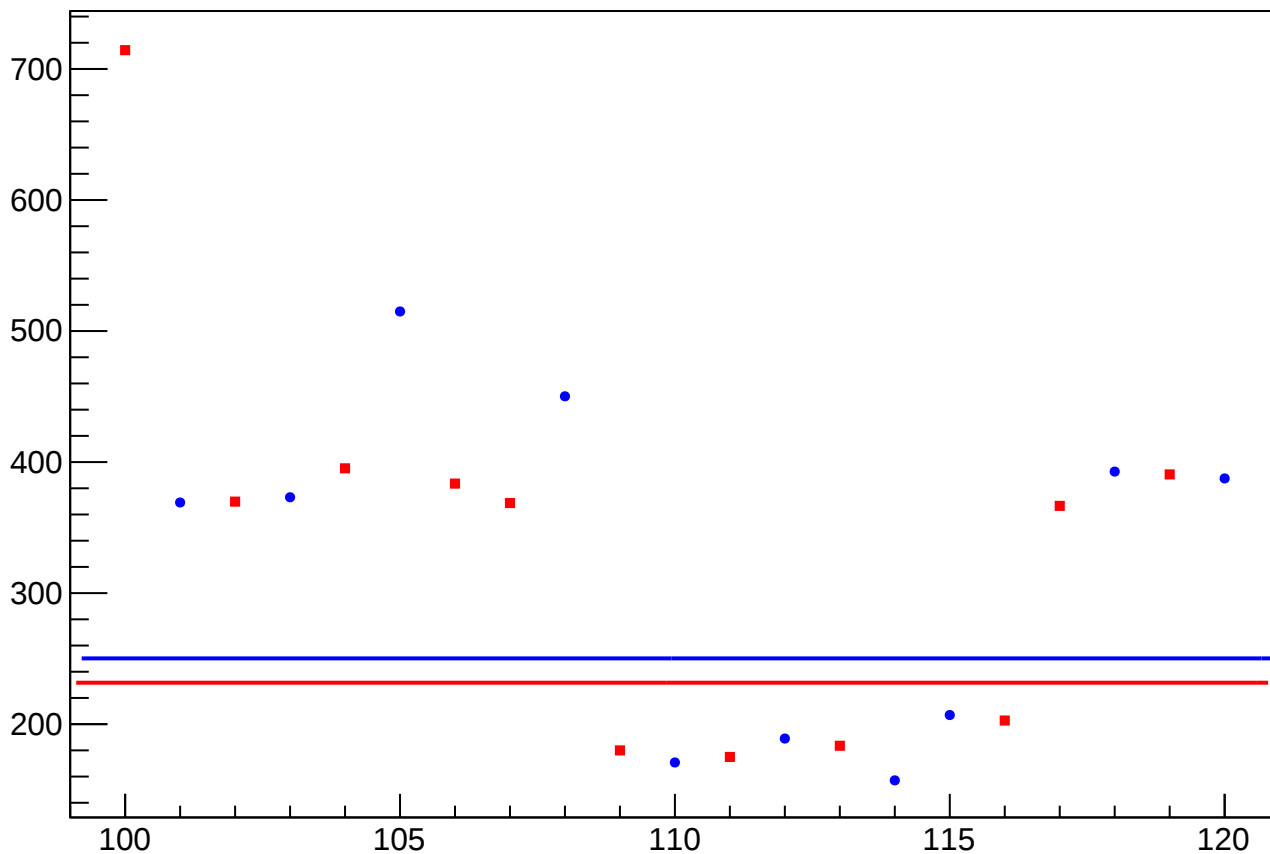
133178.351 $\pm$ 0.147  $\chi^2$ /NDF: 57789630.9/9

Right Out: 133202.066 $\pm$ 0.128  $\chi^2$ /NDF: 80661271.8/10

133202.066 $\pm$ 0.128  $\chi^2$ /NDF: 80661271.8/10

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

# yield\_bpm0r05WS\_rms vs slug



Right In: 250.190+/-0.104  $\chi^2/\text{NDF}$ : 930809.2/9

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

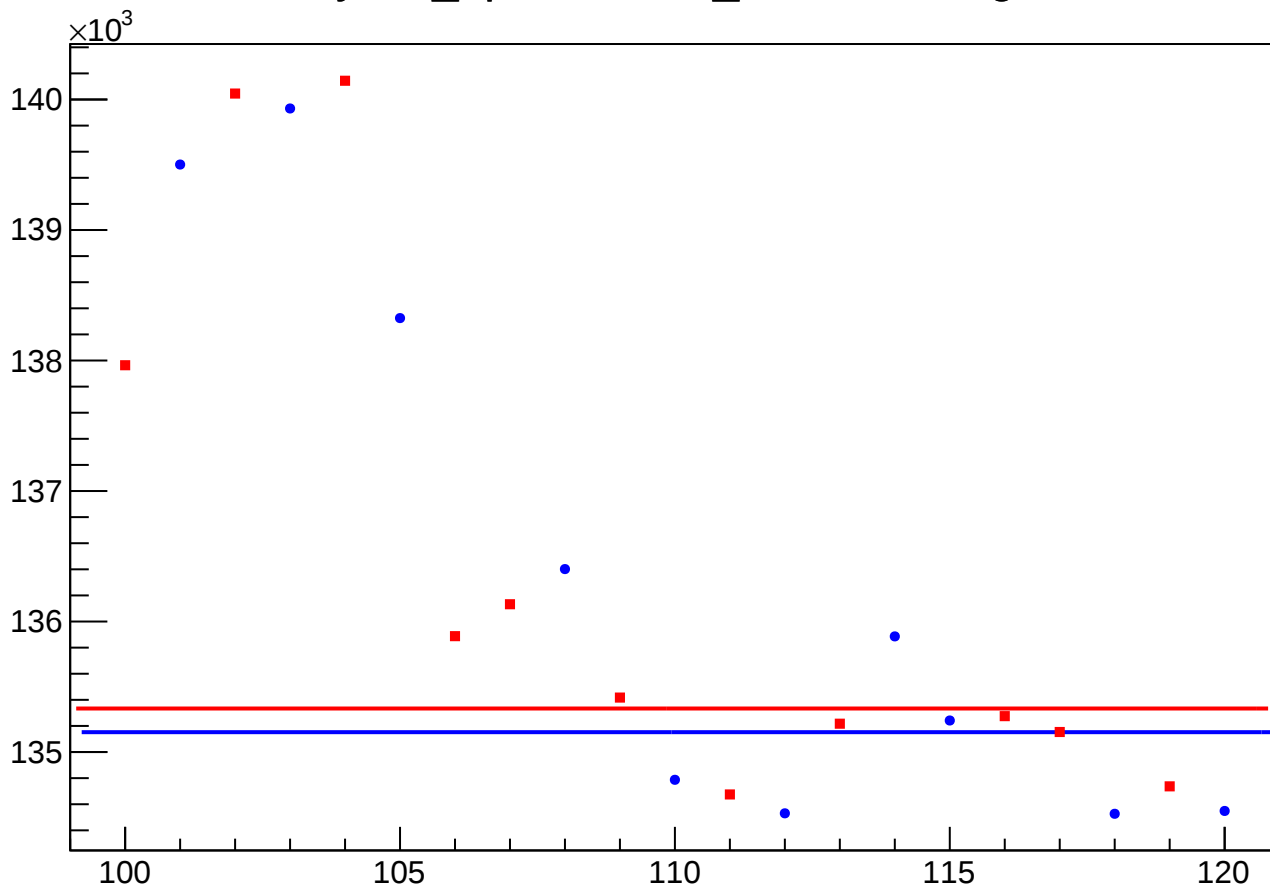
250.190+/-0.104  $\chi^2/\text{NDF}$ : 930809.2/9

Right Out: 231.631+/-0.090  $\chi^2/\text{NDF}$ : 960541.6/10

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

231.631+/-0.090  $\chi^2/\text{NDF}$ : 960541.6/10

# yield\_bpm0i02WS\_mean vs slug



Right In: 135152.181 $\pm$ 0.071  $\chi^2$ /NDF: 258974633.7/9

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

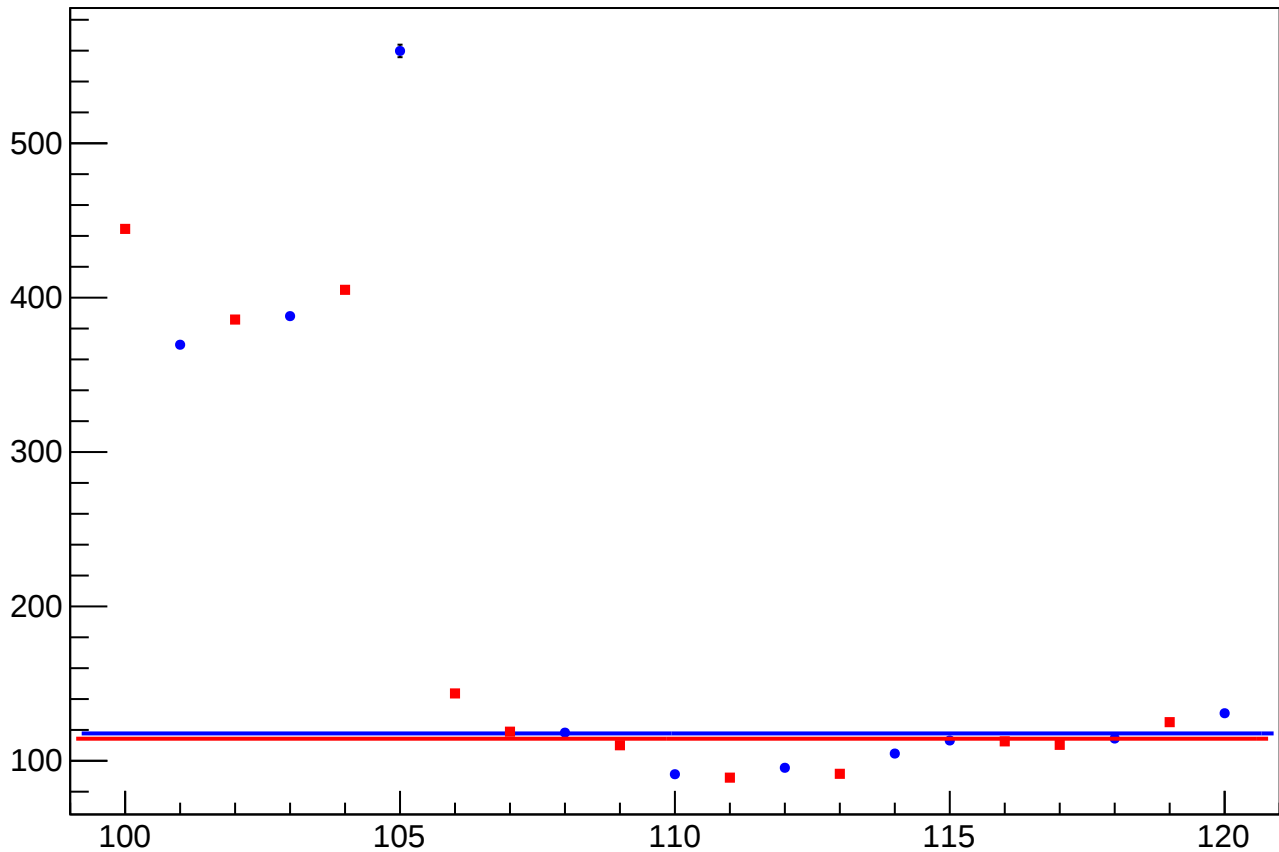
135152.181 $\pm$ 0.071  $\chi^2$ /NDF: 258974633.7/9

Right Out: 135333.527 $\pm$ 0.065  $\chi^2$ /NDF: 207025989.3/10

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

135333.527 $\pm$ 0.065  $\chi^2$ /NDF: 207025989.3/10

# yield\_bpm0i02WS\_rms vs slug



Right In: 117.731 $\pm$ 0.050  $\chi^2$ /NDF: 1218618.2/9

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

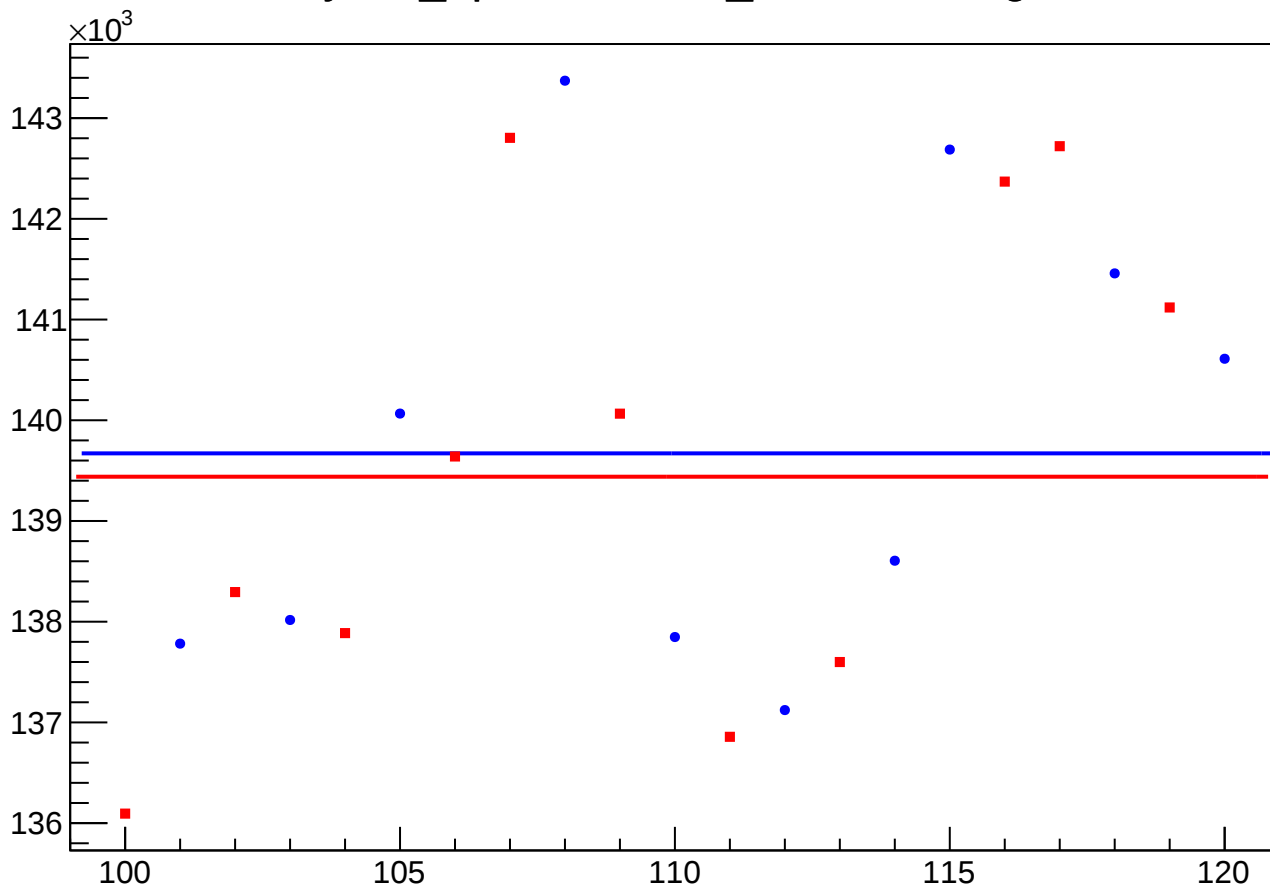
117.731 $\pm$ 0.050  $\chi^2$ /NDF: 1218618.2/9

Right Out: 114.321 $\pm$ 0.046  $\chi^2$ /NDF: 1270449.4/10

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

114.321 $\pm$ 0.046  $\chi^2$ /NDF: 1270449.4/10

# yield\_bpm0i02aWS\_mean vs slug



Right In: 139671.368 $\pm$ 0.084  $\chi^2$ /NDF: 679293002.4/9

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

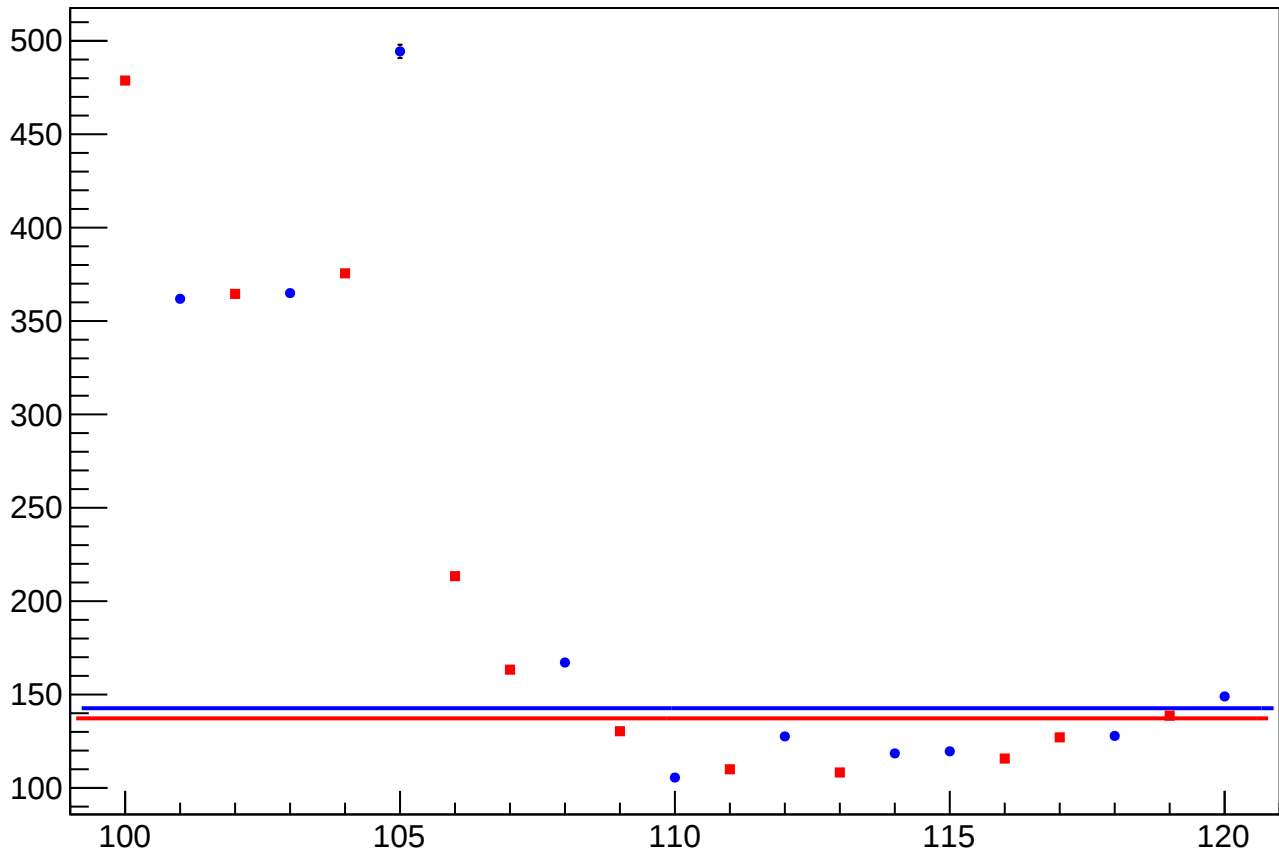
139671.368 $\pm$ 0.084  $\chi^2$ /NDF: 679293002.4/9

Right Out: 139439.606 $\pm$ 0.076  $\chi^2$ /NDF: 785690726.8/10

139439.606 $\pm$ 0.076  $\chi^2$ /NDF: 785690726.8/10

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

# yield\_bpm0i02aWS\_rms vs slug



Right In: 142.680 $\pm$ 0.060  $\chi^2$ /NDF: 1004668.2/9

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

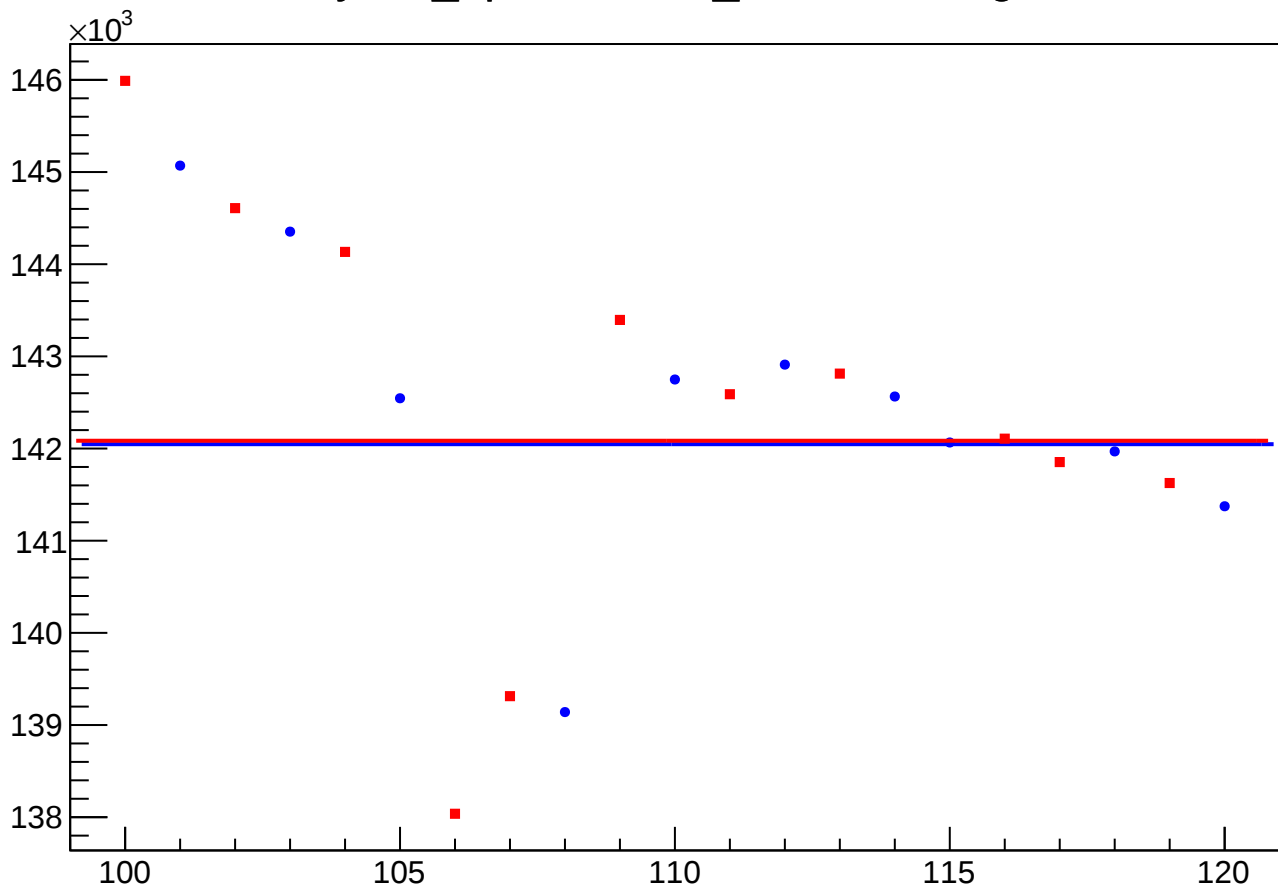
142.680 $\pm$ 0.060  $\chi^2$ /NDF: 1004668.2/9

Right Out: 137.256 $\pm$ 0.054  $\chi^2$ /NDF: 1096870.2/10

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

137.256 $\pm$ 0.054  $\chi^2$ /NDF: 1096870.2/10

# yield\_bpm0i05WS\_mean vs slug



Right In: 142047.111 $\pm$ 0.092  $\chi^2$ /NDF: 243441485.3/9

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

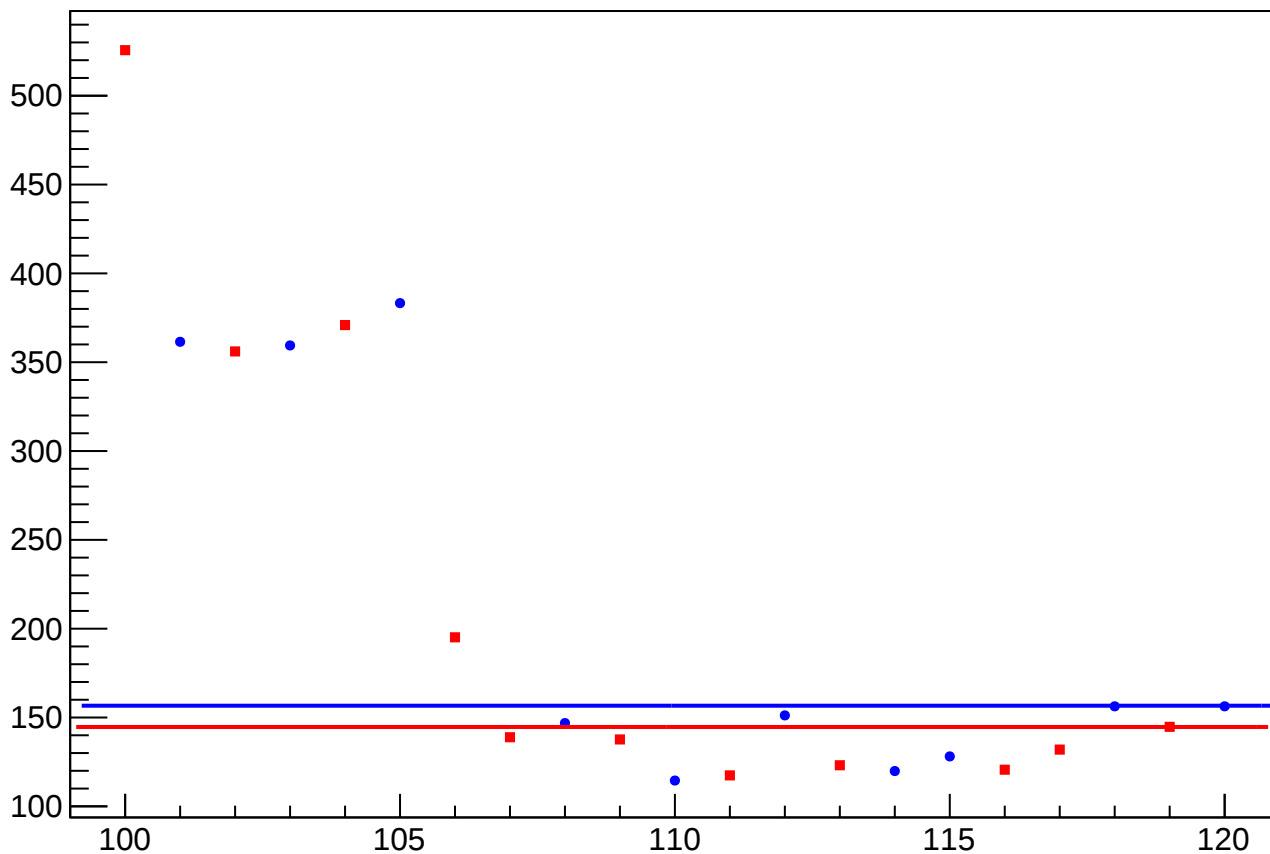
Right Out: 142084.461 $\pm$ 0.080  $\chi^2$ /NDF: 357500819.3/10

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

142047.111 $\pm$ 0.092  $\chi^2$ /NDF: 243441485.3/9

142084.461 $\pm$ 0.080  $\chi^2$ /NDF: 357500819.3/10

# yield\_bpm0i05WS\_rms vs slug



Right In: 156.652 $\pm$ 0.065  $\chi^2$ /NDF: 868993.9/9

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

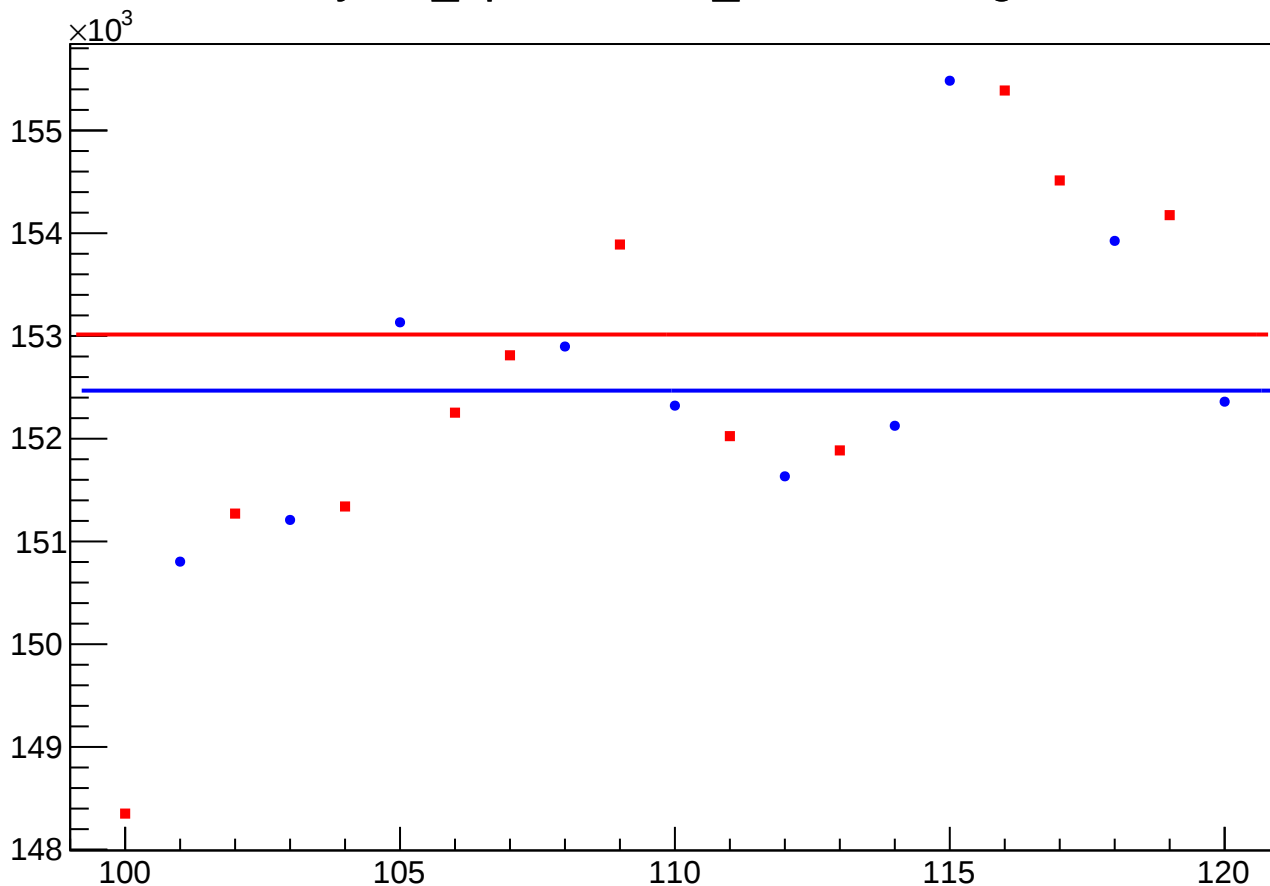
156.652 $\pm$ 0.065  $\chi^2$ /NDF: 868993.9/9

Right Out: 144.672 $\pm$ 0.056  $\chi^2$ /NDF: 949081.0/10

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

144.672 $\pm$ 0.056  $\chi^2$ /NDF: 949081.0/10

# yield\_bpm0i07WS\_mean vs slug



Right In: 152468.123+/-0.111  $\chi^2/\text{NDF}$ : 81855975.3/9

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

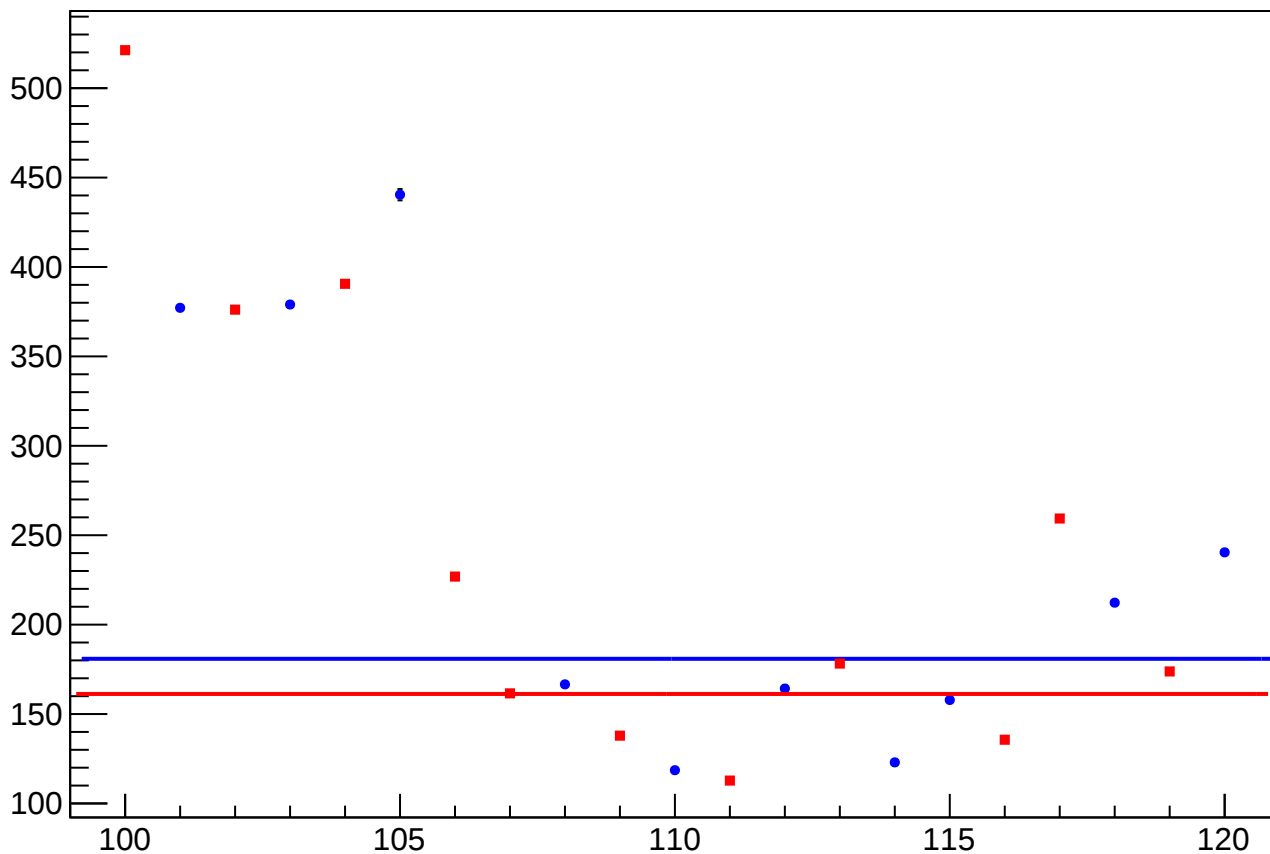
Right Out: 153014.109+/-0.092  $\chi^2/\text{NDF}$ : 173805291.1/10

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

152468.123+/-0.111  $\chi^2/\text{NDF}$ : 81855975.3/9

153014.109+/-0.092  $\chi^2/\text{NDF}$ : 173805291.1/10

# yield\_bpm0i07WS\_rms vs slug



Right In: 180.891+/-0.079  $\chi^2/\text{NDF}$ : 916206.3/9

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

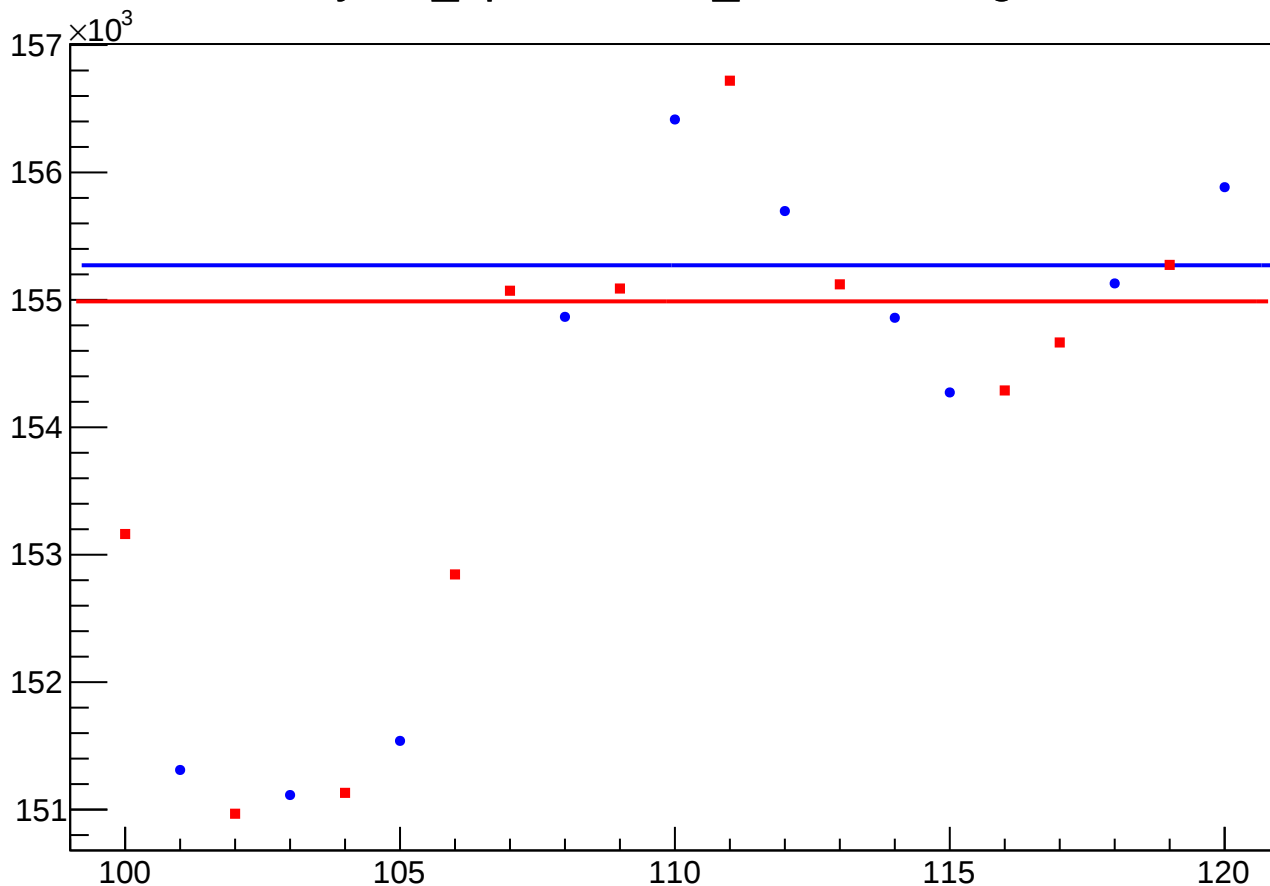
180.891+/-0.079  $\chi^2/\text{NDF}$ : 916206.3/9

Right Out: 161.234+/-0.065  $\chi^2/\text{NDF}$ : 1016317.8/10

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

161.234+/-0.065  $\chi^2/\text{NDF}$ : 1016317.8/10

# yield\_bpm1i02WS\_mean vs slug



Right In: 155271.486 $\pm$ 0.087  $\chi^2$ /NDF: 175360789.0/9

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

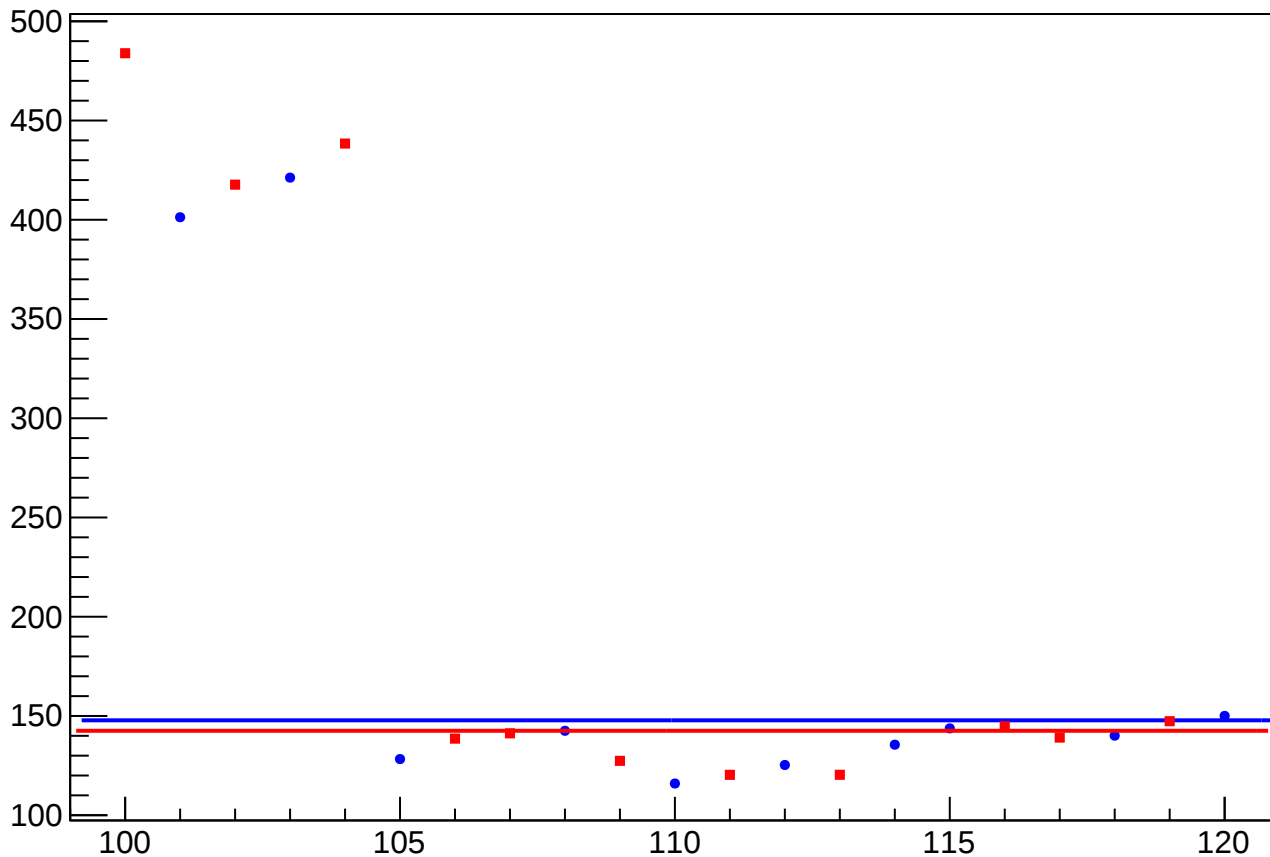
Right Out: 154988.227 $\pm$ 0.078  $\chi^2$ /NDF: 255721563.5/10

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

155271.486 $\pm$ 0.087  $\chi^2$ /NDF: 175360789.0/9

154988.227 $\pm$ 0.078  $\chi^2$ /NDF: 255721563.5/10

yield\_bpm1i02WS\_rms vs slug



Right In: 147.810+/-0.062  $\chi^2/\text{NDF}$ : 1031006.1/9

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

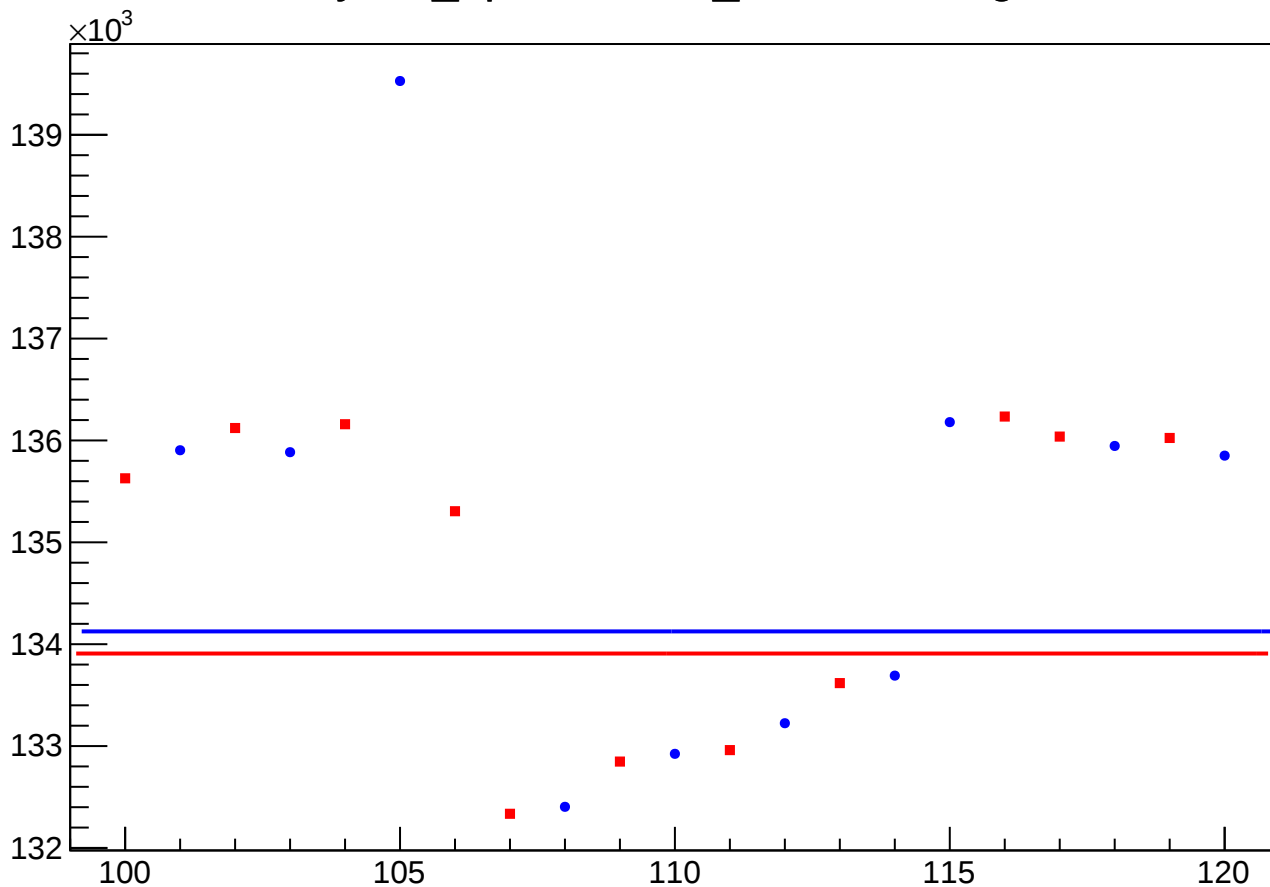
147.810+/-0.062  $\chi^2/\text{NDF}$ : 1031006.1/9

Right Out: 142.538+/-0.055  $\chi^2/\text{NDF}$ : 1064950.8/10

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

142.538+/-0.055  $\chi^2/\text{NDF}$ : 1064950.8/10

# yield\_bpm1i04WS\_mean vs slug



Right In: 134125.585 $\pm$ 0.066  $\chi^2$ /NDF: 500528929.5/9

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

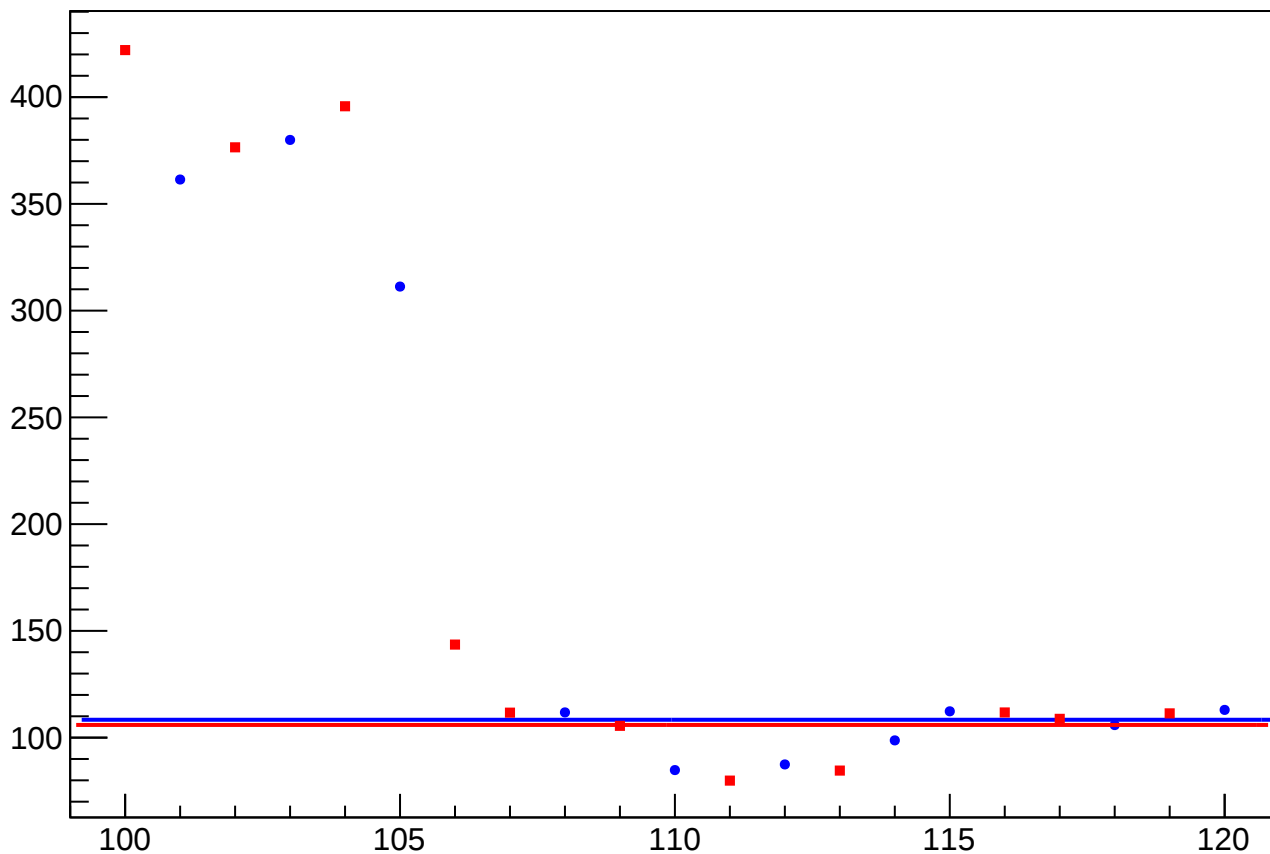
Right Out: 133908.413 $\pm$ 0.060  $\chi^2$ /NDF: 539965647.1/10

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

134125.585 $\pm$ 0.066  $\chi^2$ /NDF: 500528929.5/9

133908.413 $\pm$ 0.060  $\chi^2$ /NDF: 539965647.1/10

# yield\_bpm1i04WS\_rms vs slug



Right In: 108.370+/-0.046  $\chi^2/\text{NDF}$ : 1267135.9/9

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

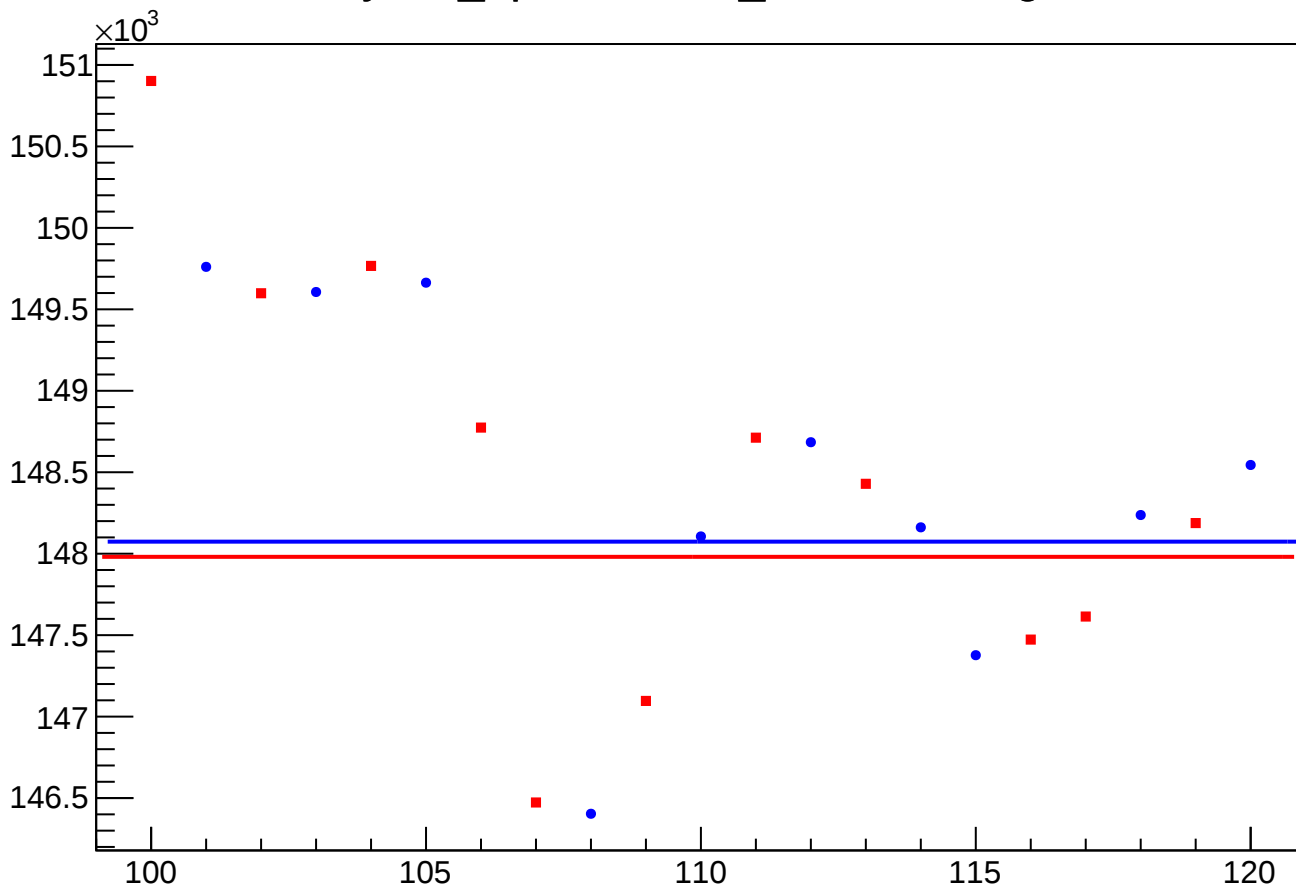
Right Out: 105.946+/-0.042  $\chi^2/\text{NDF}$ : 1350426.9/10

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

108.370+/-0.046  $\chi^2/\text{NDF}$ : 1267135.9/9

105.946+/-0.042  $\chi^2/\text{NDF}$ : 1350426.9/10

# yield\_bpm1i06WS\_mean vs slug



Right In: 148073.982 $\pm$ 0.082  $\chi^2$ /NDF: 104504748.0/9

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

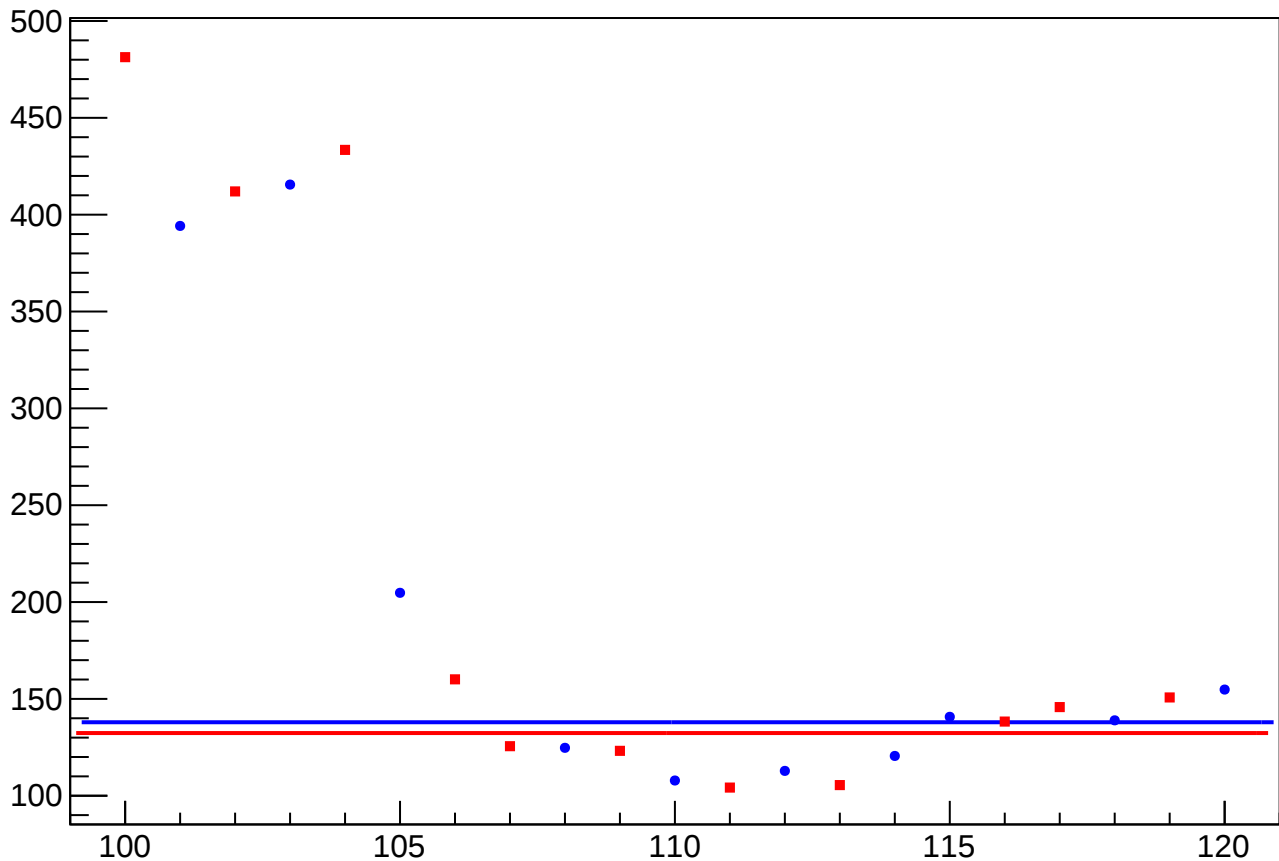
148073.982 $\pm$ 0.082  $\chi^2$ /NDF: 104504748.0/9

Right Out: 147980.773 $\pm$ 0.074  $\chi^2$ /NDF: 134778608.0/10

147980.773 $\pm$ 0.074  $\chi^2$ /NDF: 134778608.0/10

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

# yield\_bpm1i06WS\_rms vs slug



Right In: 137.944 $\pm$ 0.058  $\chi^2$ /NDF: 1119160.4/9

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

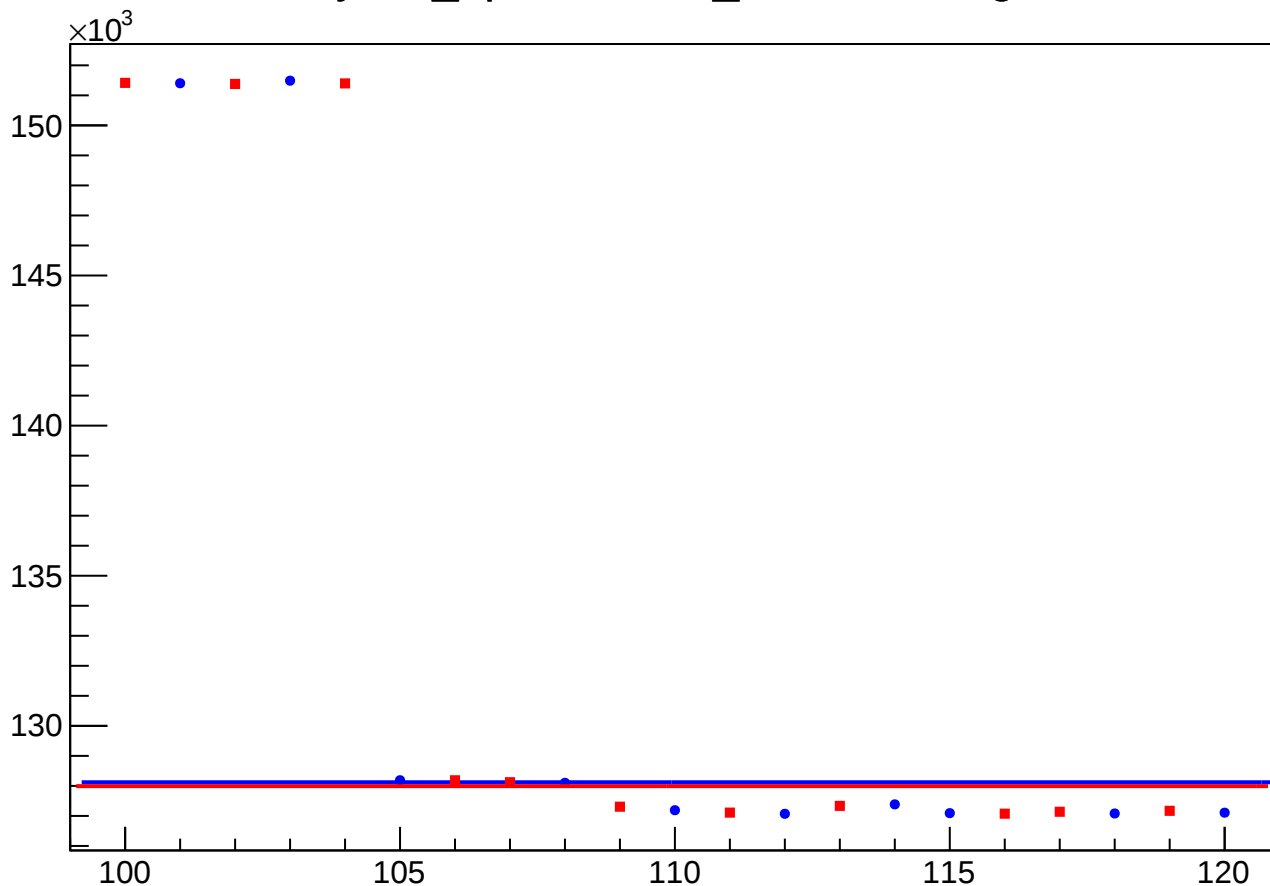
137.944 $\pm$ 0.058  $\chi^2$ /NDF: 1119160.4/9

Right Out: 132.367 $\pm$ 0.052  $\chi^2$ /NDF: 1208472.8/10

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

132.367 $\pm$ 0.052  $\chi^2$ /NDF: 1208472.8/10

# yield\_bpm2i01WS\_mean vs slug



Right In: 128120.901 $\pm$ 0.070  $\chi^2$ /NDF: 4141234555.9/9

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

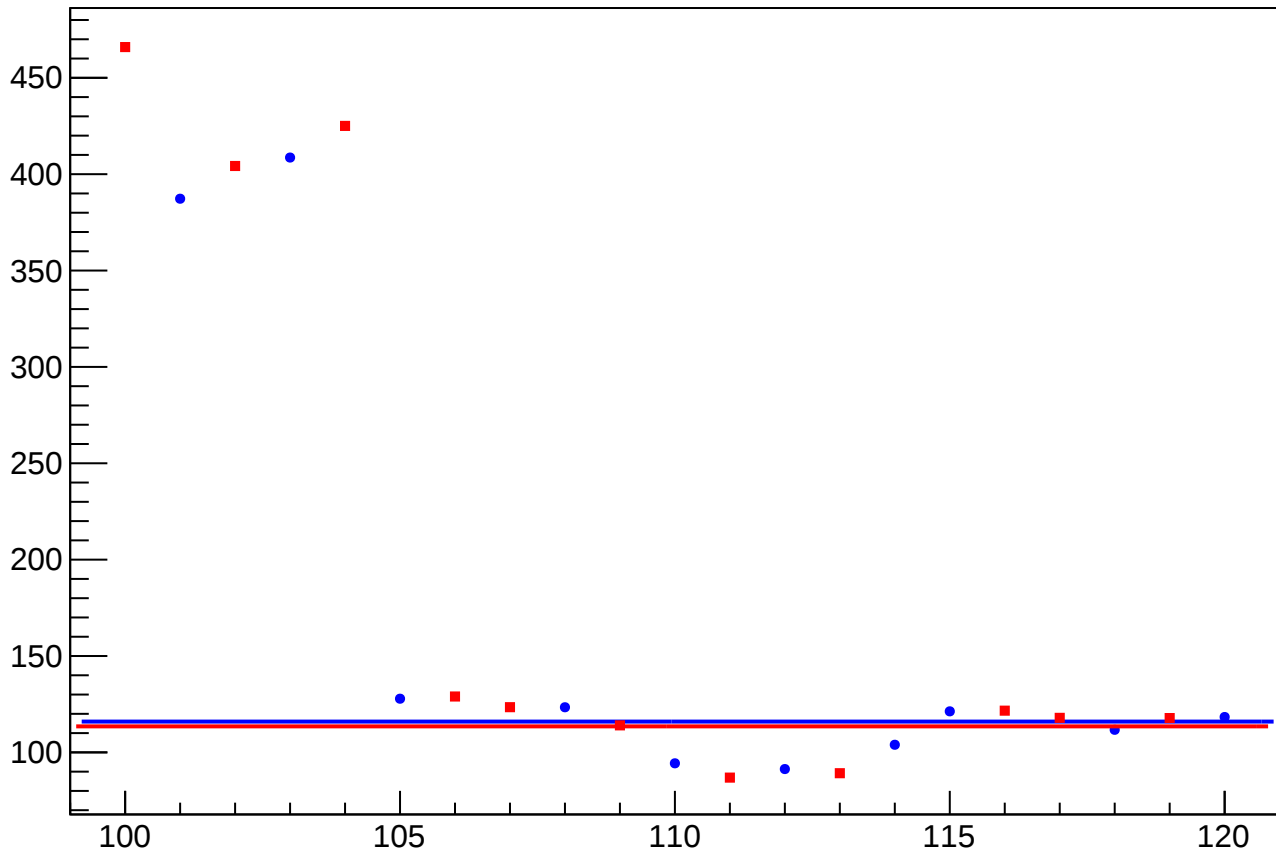
128120.901 $\pm$ 0.070  $\chi^2$ /NDF: 4141234555.9/9

Right Out: 127991.976 $\pm$ 0.063  $\chi^2$ /NDF: 3619354524.7/10

127991.976 $\pm$ 0.063  $\chi^2$ /NDF: 3619354524.7/10

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

# yield\_bpm2i01WS\_rms vs slug



Right In: 115.978 $\pm$ 0.050  $\chi^2$ /NDF: 1260280.4/9

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

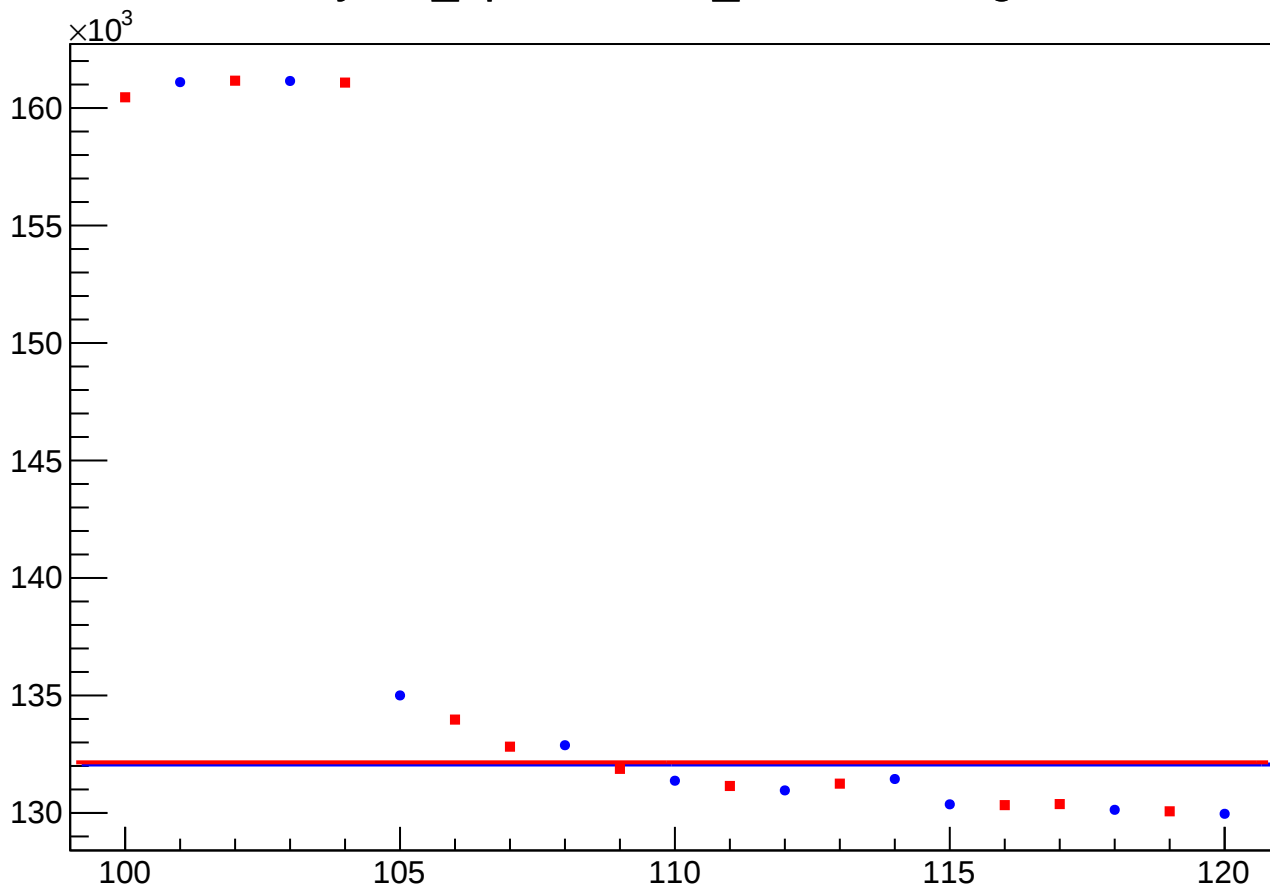
115.978 $\pm$ 0.050  $\chi^2$ /NDF: 1260280.4/9

Right Out: 113.495 $\pm$ 0.045  $\chi^2$ /NDF: 1330880.1/10

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

113.495 $\pm$ 0.045  $\chi^2$ /NDF: 1330880.1/10

# yield\_bpm2i02WS\_mean vs slug



Right In: 132061.637 $\pm$ 0.074  $\chi^2$ /NDF: 5890881251.4/9

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

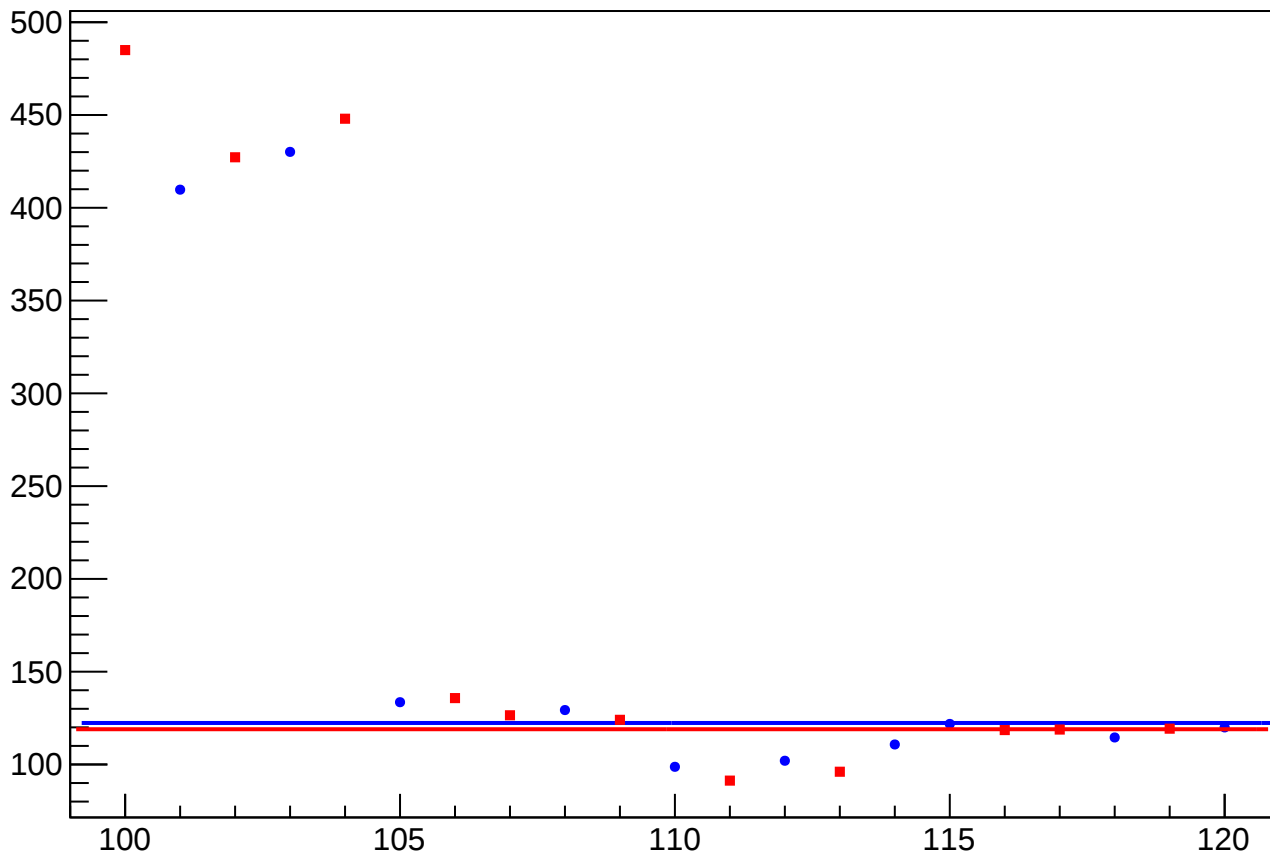
Right Out: 132154.039 $\pm$ 0.066  $\chi^2$ /NDF: 5176712975.2/10

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

132061.637 $\pm$ 0.074  $\chi^2$ /NDF: 5890881251.4/9

132154.039 $\pm$ 0.066  $\chi^2$ /NDF: 5176712975.2/10

# yield\_bpm2i02WS\_rms vs slug



Right In: 122.363 $\pm$ 0.052  $\chi^2$ /NDF: 1238614.8/9

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

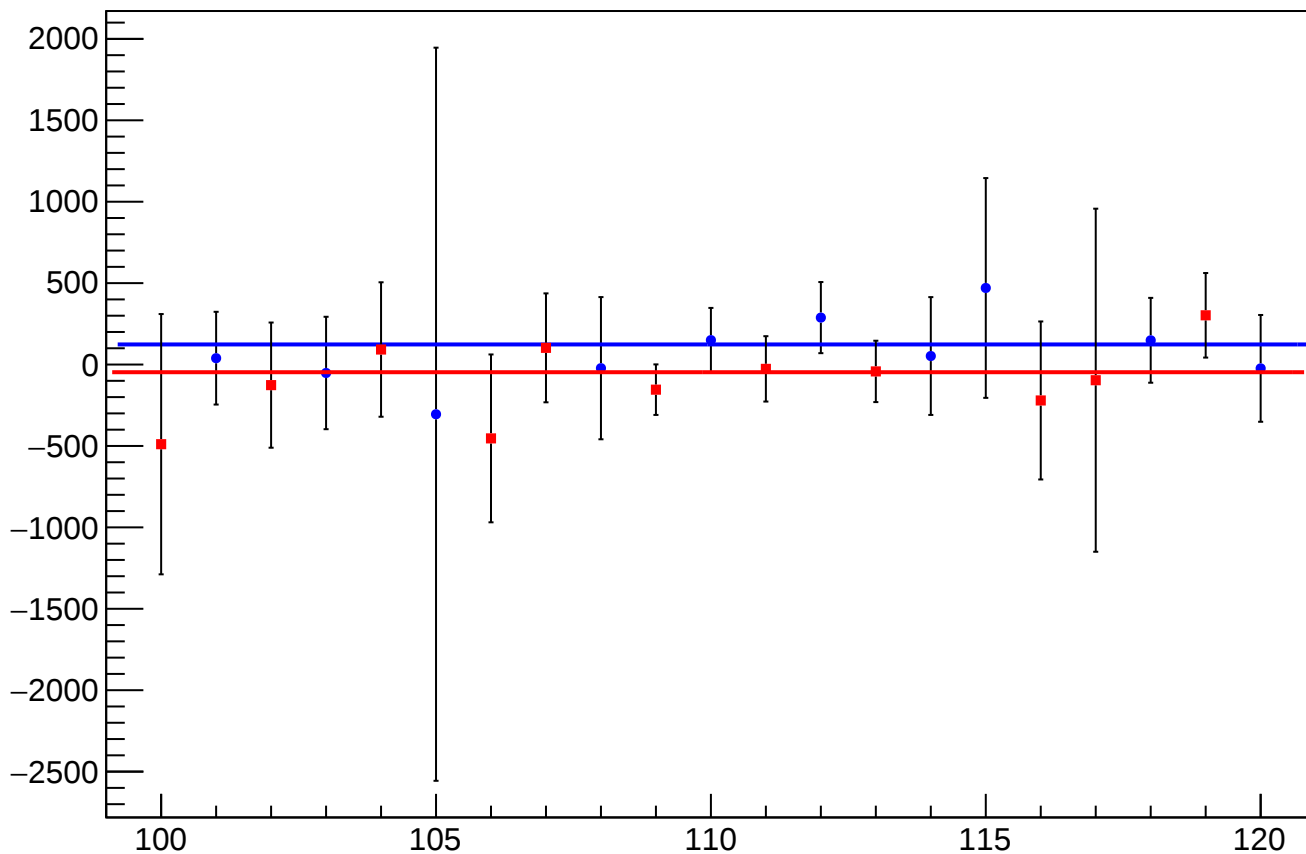
122.363 $\pm$ 0.052  $\chi^2$ /NDF: 1238614.8/9

Right Out: 118.990 $\pm$ 0.047  $\chi^2$ /NDF: 1316033.6/10

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

118.990 $\pm$ 0.047  $\chi^2$ /NDF: 1316033.6/10

# asym\_bcm\_an\_ds\_mean vs slug



Right In: 123.456+/-96.875  $\chi^2/\text{NDF}$ : 1.6/9

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

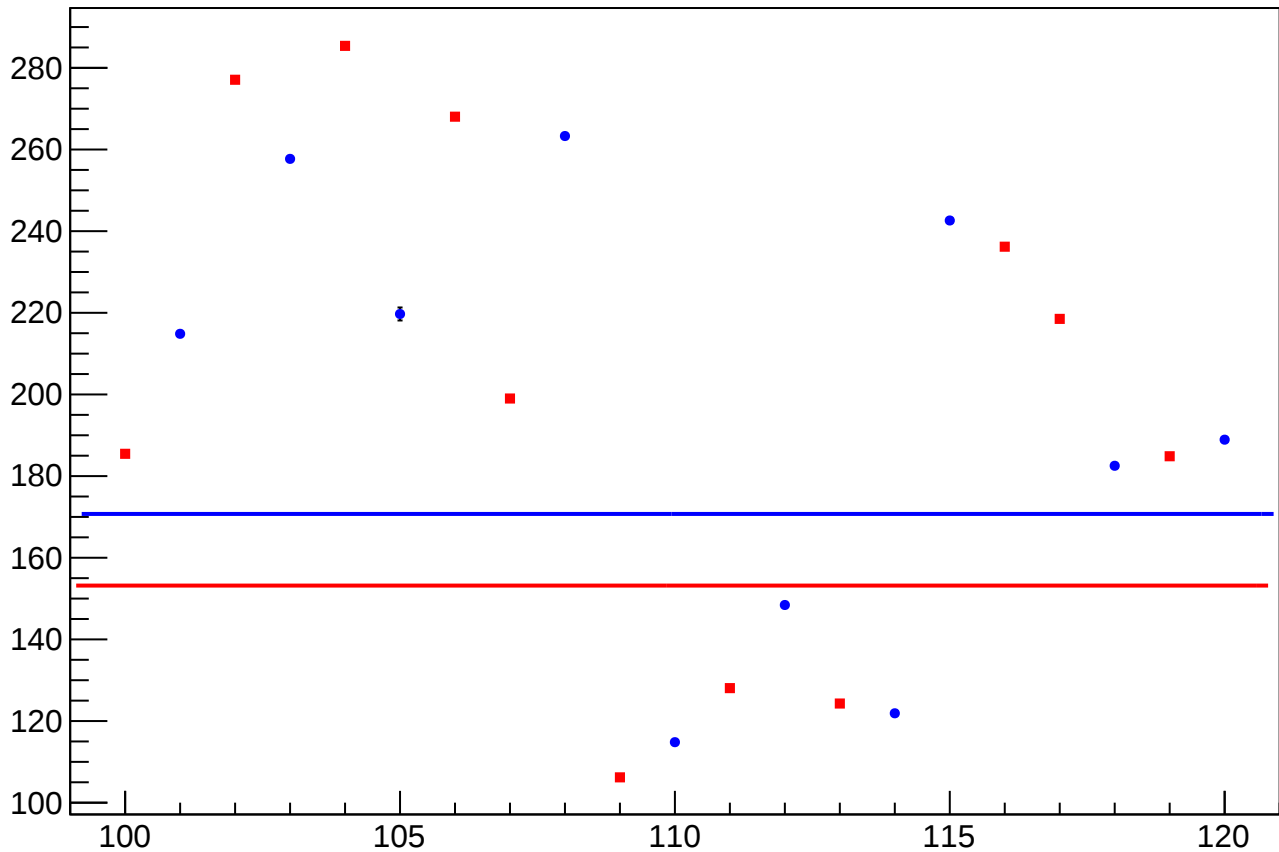
Right Out: -47.090+/-84.100  $\chi^2/\text{NDF}$ : 3.7/10

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

123.456+/-96.875  $\chi^2/\text{NDF}$ : 1.6/9

-47.090+/-84.100  $\chi^2/\text{NDF}$ : 3.7/10

# asym\_bcm\_an\_ds\_rms vs slug



Right In: 170.732+/-0.069  $\chi^2/\text{NDF}$ : 515882.7/9

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

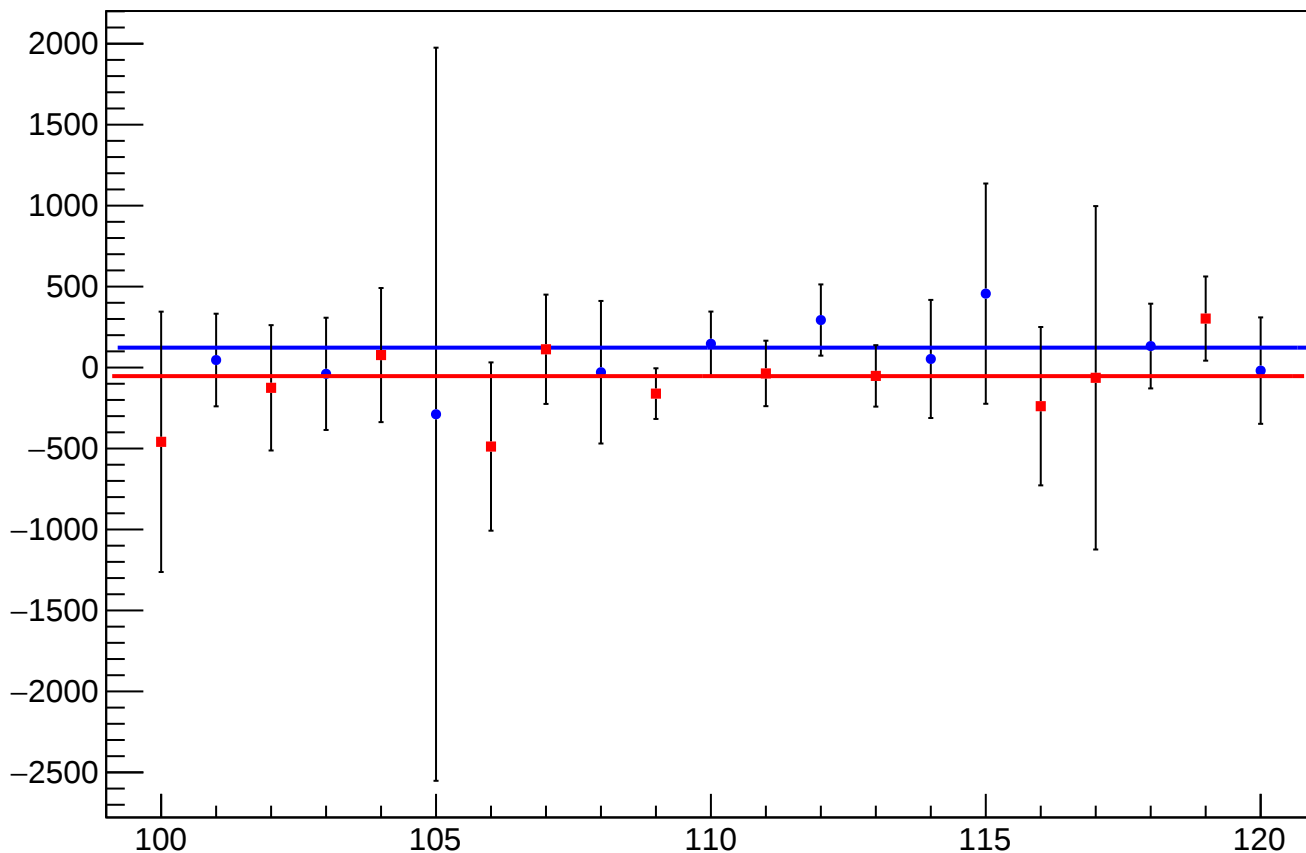
170.732+/-0.069  $\chi^2/\text{NDF}$ : 515882.7/9

Right Out: 153.184+/-0.059  $\chi^2/\text{NDF}$ : 910538.3/10

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

153.184+/-0.059  $\chi^2/\text{NDF}$ : 910538.3/10

# asym\_bcm\_an\_ds3\_mean vs slug



Right In: 123.011 $\pm$ 97.423  $\chi^2$ /NDF: 1.5/9

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

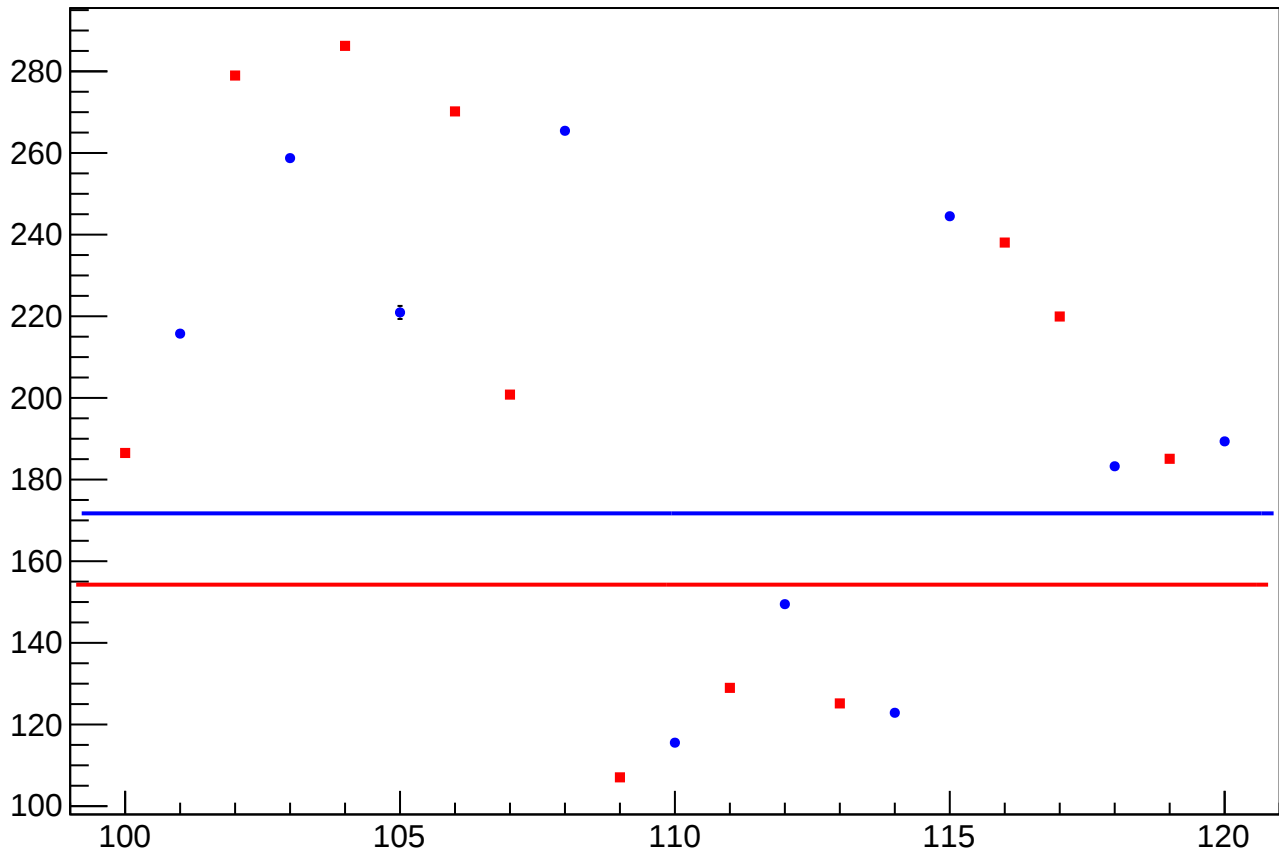
Right Out: -52.912 $\pm$ 84.666  $\chi^2$ /NDF: 3.8/10

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

123.011 $\pm$ 97.423  $\chi^2$ /NDF: 1.5/9

-52.912 $\pm$ 84.666  $\chi^2$ /NDF: 3.8/10

# asym\_bcm\_an\_ds3\_rms vs slug



Right In: 171.721+/-0.069  $\chi^2/\text{NDF}$ : 513256.0/9

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

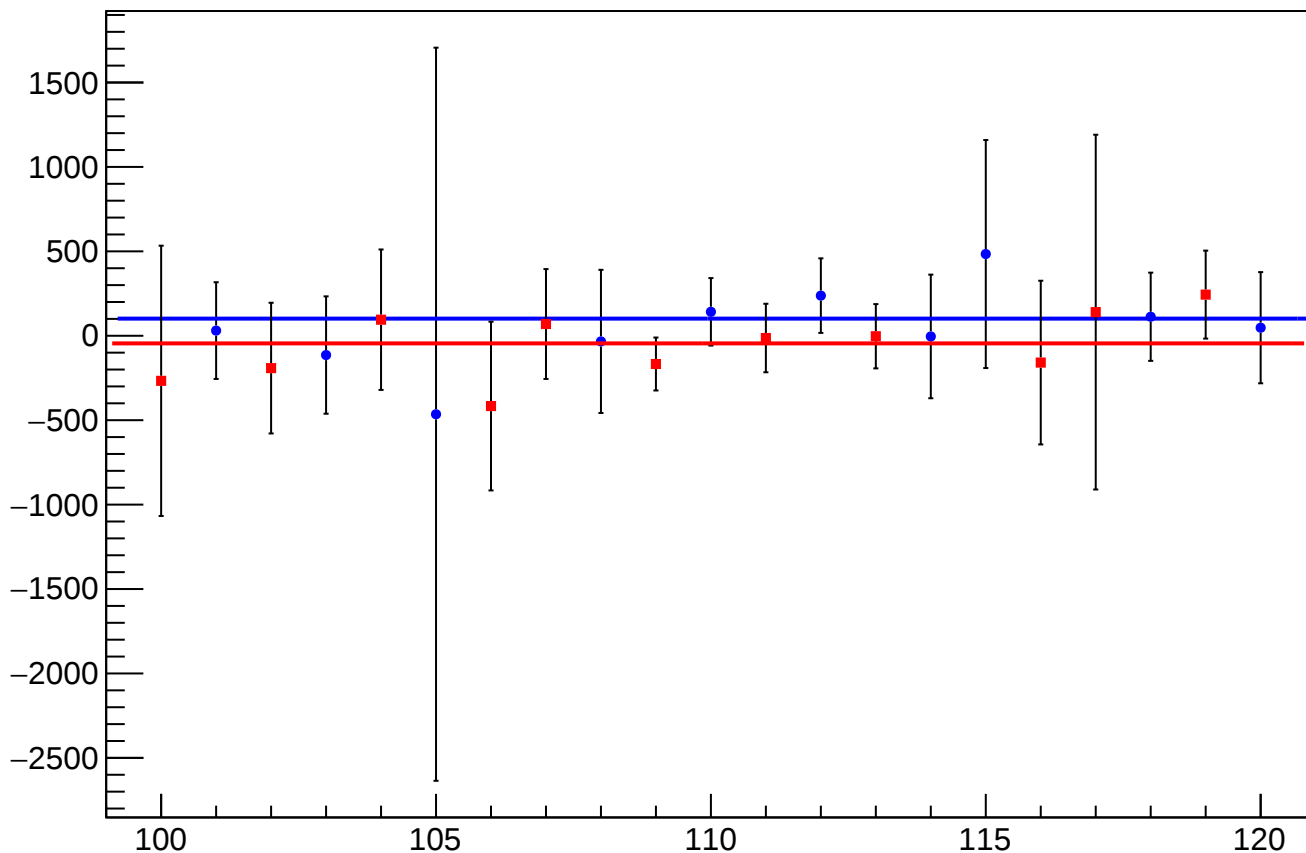
171.721+/-0.069  $\chi^2/\text{NDF}$ : 513256.0/9

Right Out: 154.256+/-0.060  $\chi^2/\text{NDF}$ : 906513.3/10

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

154.256+/-0.060  $\chi^2/\text{NDF}$ : 906513.3/10

# asym\_bcm\_an\_us\_mean vs slug



Right In: 101.563+/-97.436  $\chi^2/\text{NDF}$ : 1.5/9

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

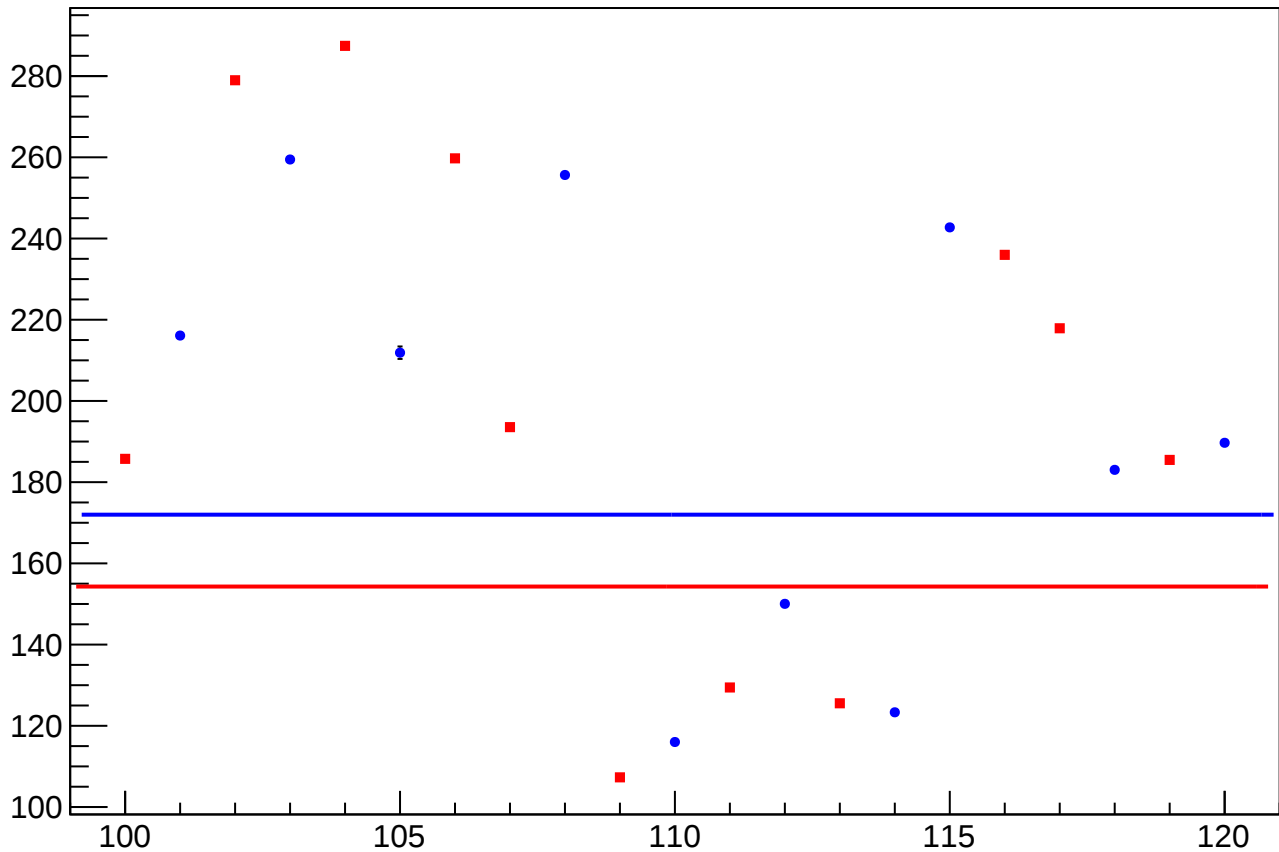
Right Out: -45.159+/-84.528  $\chi^2/\text{NDF}$ : 3.0/10

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

101.563+/-97.436  $\chi^2/\text{NDF}$ : 1.5/9

-45.159+/-84.528  $\chi^2/\text{NDF}$ : 3.0/10

# asym\_bcm\_an\_us\_rms vs slug



Right In: 171.993+/-0.069  $\chi^2/\text{NDF}$ : 496057.1/9

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

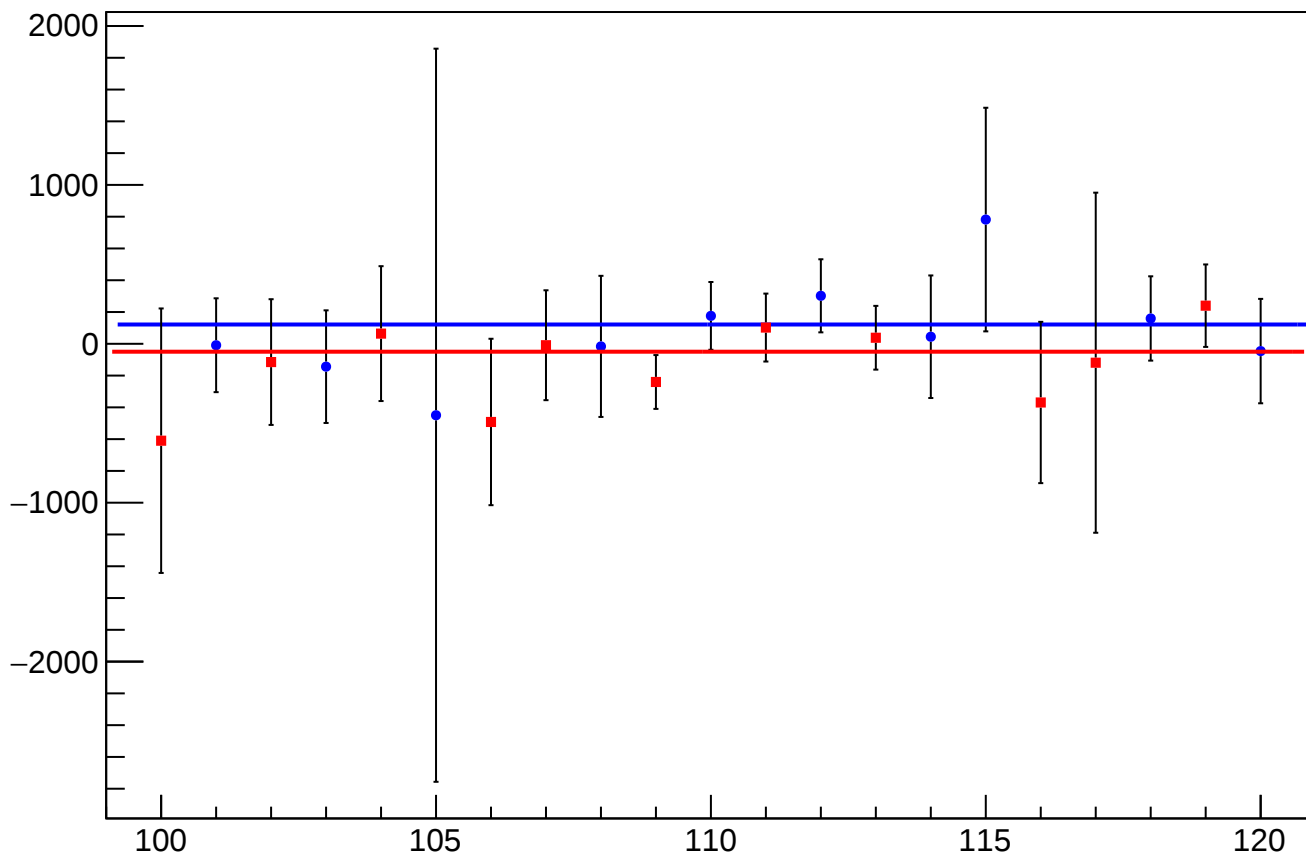
171.993+/-0.069  $\chi^2/\text{NDF}$ : 496057.1/9

Right Out: 154.294+/-0.060  $\chi^2/\text{NDF}$ : 881969.7/10

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

154.294+/-0.060  $\chi^2/\text{NDF}$ : 881969.7/10

# asym\_bcm\_dg\_us\_mean vs slug



Right In: 121.465+/-101.112  $\chi^2/\text{NDF}$ : 2.8/9

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

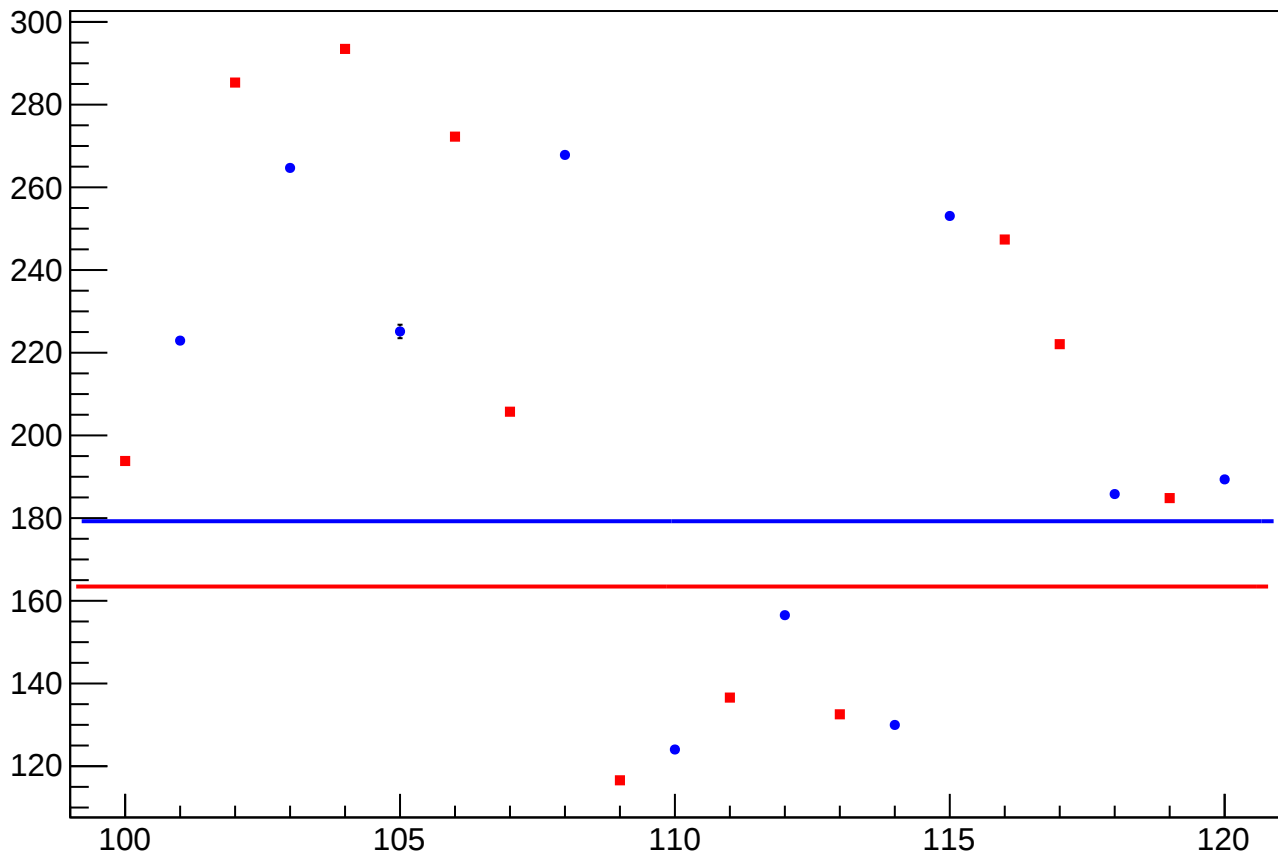
Right Out: -49.747+/-88.876  $\chi^2/\text{NDF}$ : 4.9/10

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

121.465+/-101.112  $\chi^2/\text{NDF}$ : 2.8/9

-49.747+/-88.876  $\chi^2/\text{NDF}$ : 4.9/10

# asym\_bcm\_dg\_us\_rms vs slug



Right In: 179.248 $\pm$ 0.071  $\chi^2$ /NDF: 451794.1/9

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

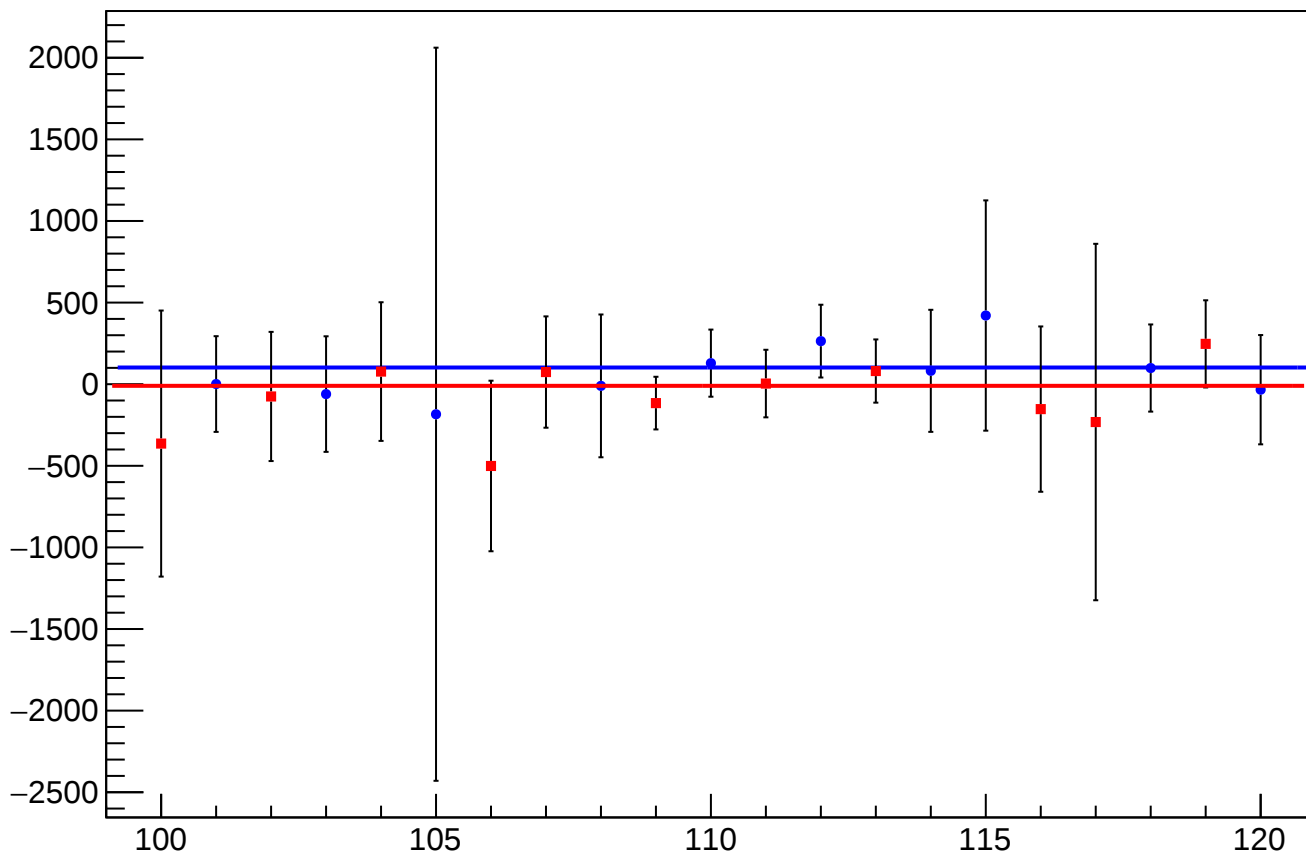
179.248 $\pm$ 0.071  $\chi^2$ /NDF: 451794.1/9

Right Out: 163.453 $\pm$ 0.063  $\chi^2$ /NDF: 803010.8/10

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

163.453 $\pm$ 0.063  $\chi^2$ /NDF: 803010.8/10

# asym\_bcm\_dg\_ds\_mean vs slug



Right In: 102.226+/-99.542  $\chi^2/\text{NDF}$ : 1.3/9

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

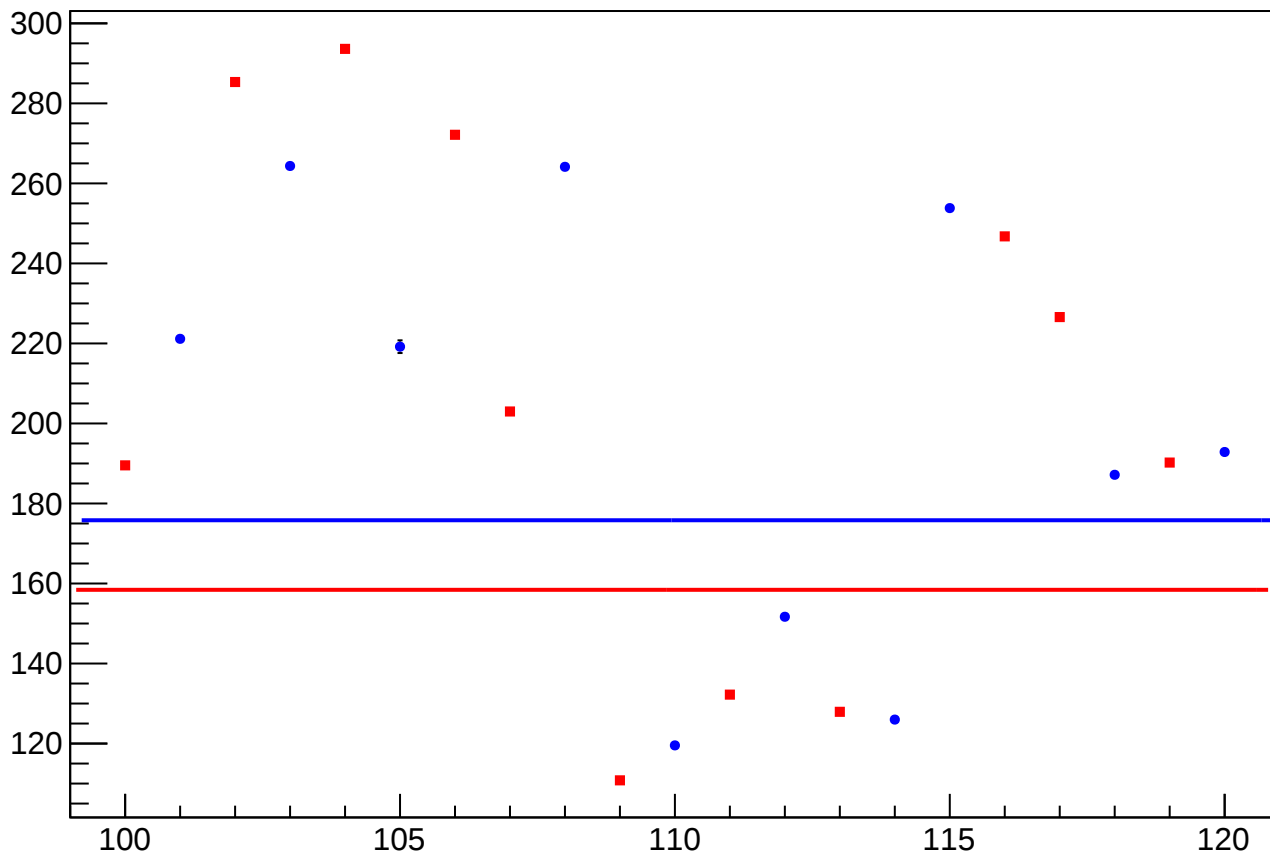
Right Out: -10.038+/-86.751  $\chi^2/\text{NDF}$ : 2.9/10

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

102.226+/-99.542  $\chi^2/\text{NDF}$ : 1.3/9

-10.038+/-86.751  $\chi^2/\text{NDF}$ : 2.9/10

# asym\_bcm\_dg\_ds\_rms vs slug



Right In: 175.808 $\pm$ 0.070  $\chi^2$ /NDF: 497224.9/9

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

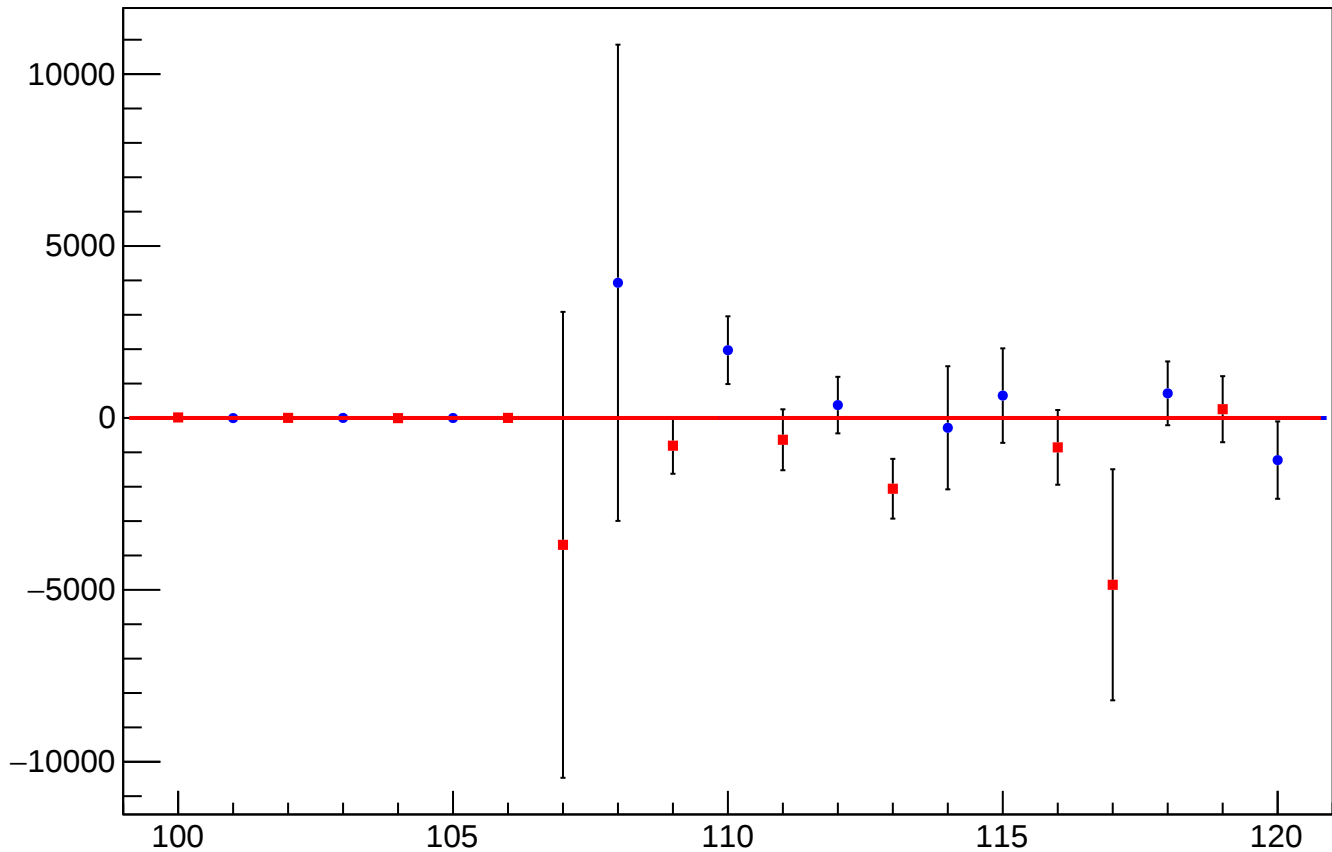
175.808 $\pm$ 0.070  $\chi^2$ /NDF: 497224.9/9

Right Out: 158.422 $\pm$ 0.061  $\chi^2$ /NDF: 893029.1/10

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

158.422 $\pm$ 0.061  $\chi^2$ /NDF: 893029.1/10

# asym\_cav4bQ\_mean vs slug



Right In: -1.513+/-2.238  $\chi^2/\text{NDF}$ : 7.9/9

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

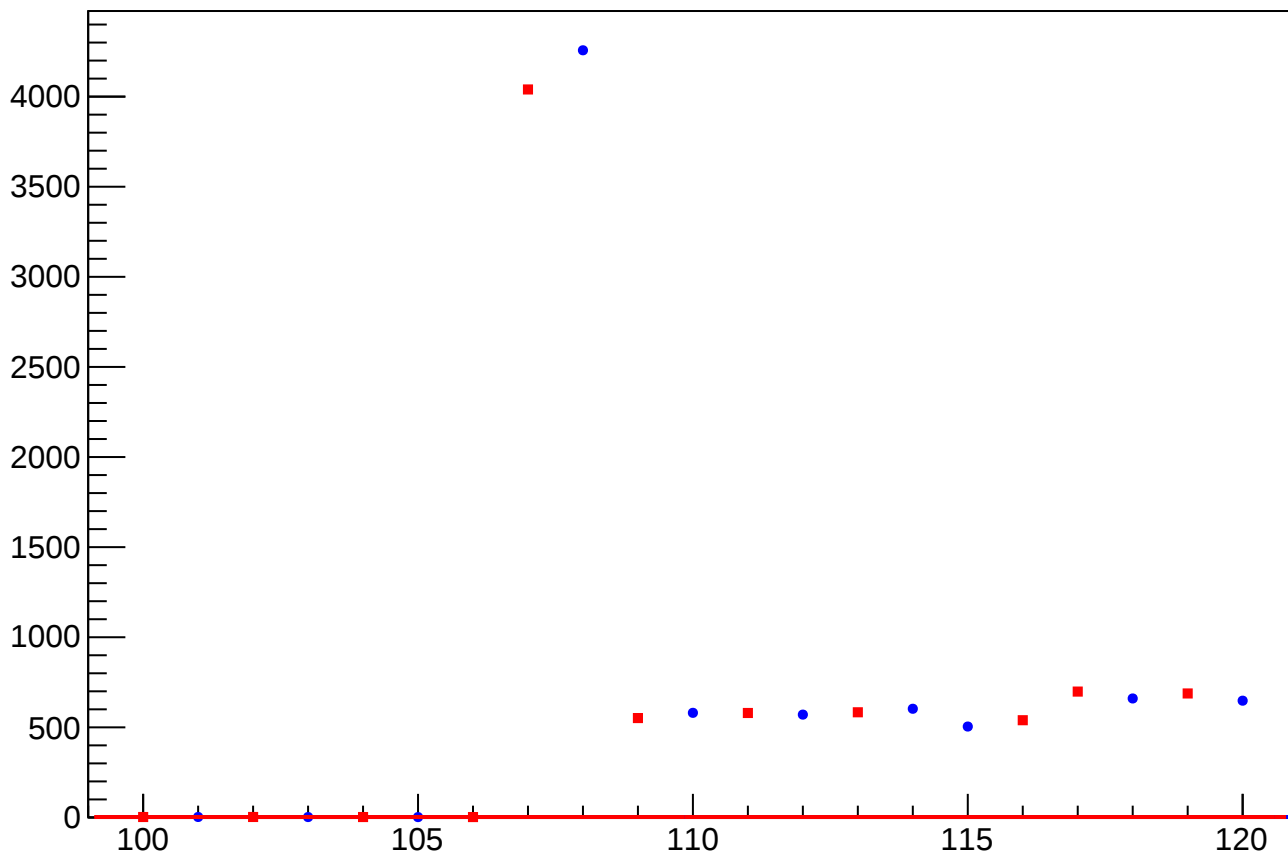
Right Out: -0.737+/-2.111  $\chi^2/\text{NDF}$ : 16.1/10

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

-1.513+/-2.238  $\chi^2/\text{NDF}$ : 7.9/9

-0.737+/-2.111  $\chi^2/\text{NDF}$ : 16.1/10

# asym\_cav4bQ\_rms vs slug



Right In: 2.421+/-0.002     $\chi^2/\text{NDF}$ : 4568616.8/9

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

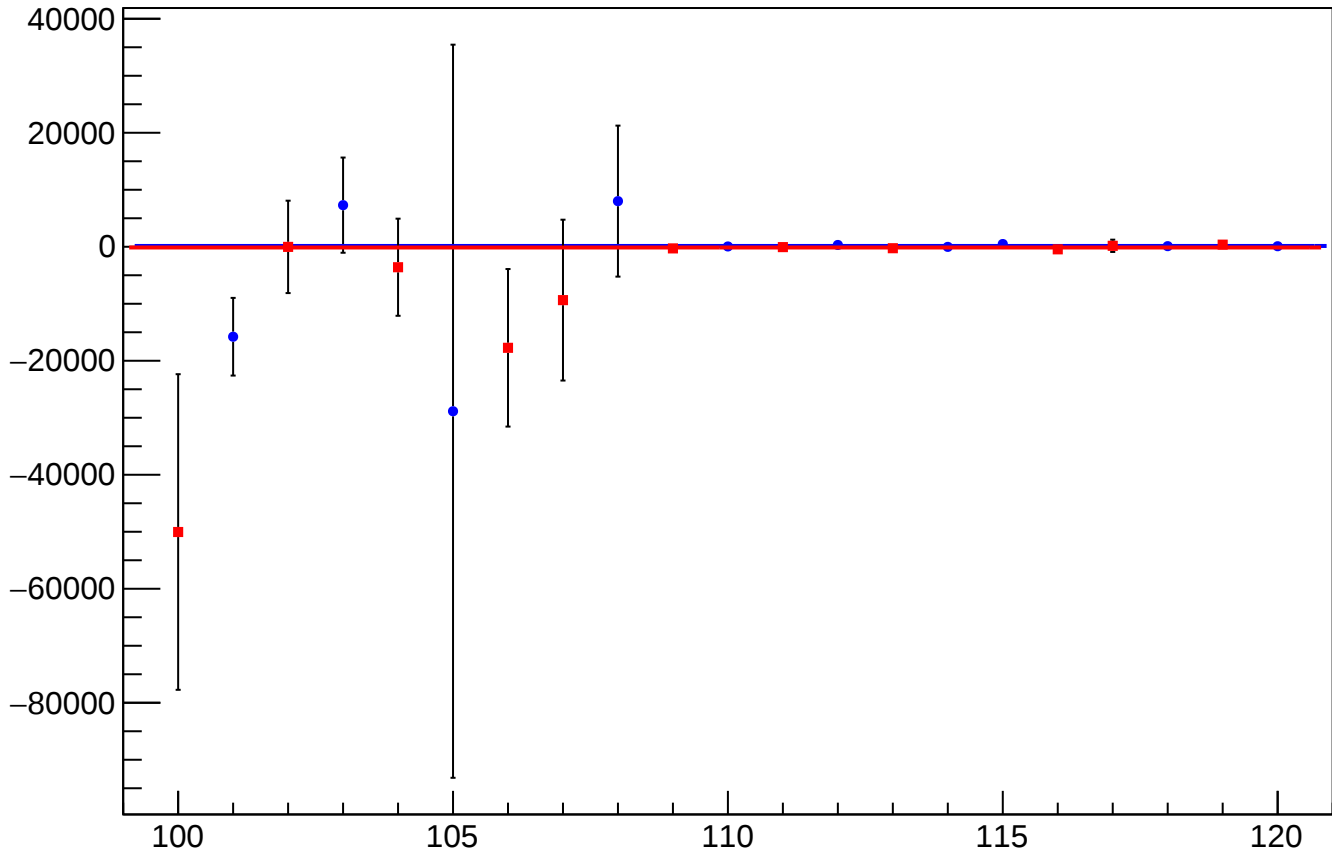
Right Out: 2.412+/-0.001     $\chi^2/\text{NDF}$ : 4963739.8/10

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

2.421+/-0.002     $\chi^2/\text{NDF}$ : 4568616.8/9

2.412+/-0.001     $\chi^2/\text{NDF}$ : 4963739.8/10

# asym\_cav4cQ\_mean vs slug



Right In: 140.753+/-117.901  $\chi^2/\text{NDF}$ : 8.0/9

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

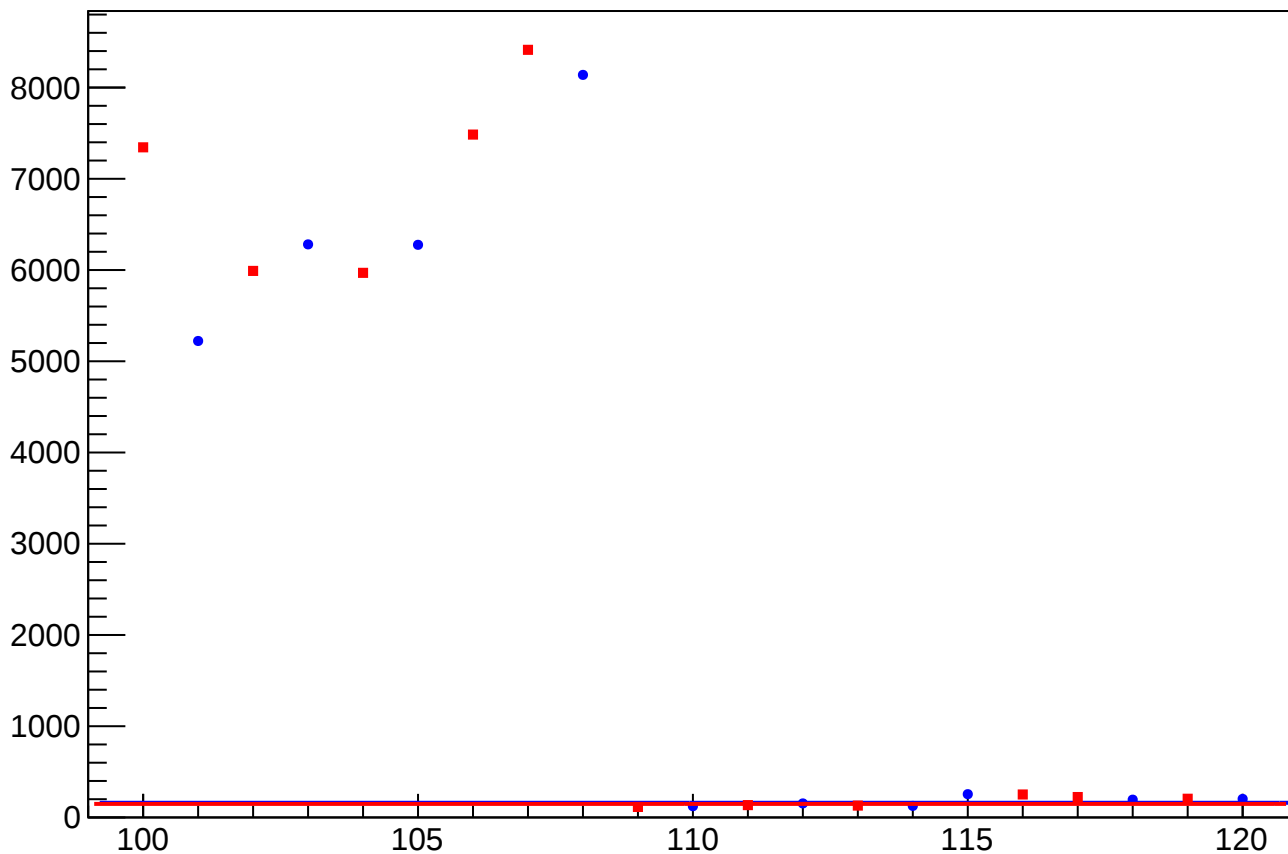
140.753+/-117.901  $\chi^2/\text{NDF}$ : 8.0/9

Right Out: -127.151+/-109.403  $\chi^2/\text{NDF}$ : 9.9/10

-127.151+/-109.403  $\chi^2/\text{NDF}$ : 9.9/10

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

# asym\_cav4cQ\_rms vs slug



Right In: 160.928+/-0.083  $\chi^2/\text{NDF}$ : 3096519.5/9

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

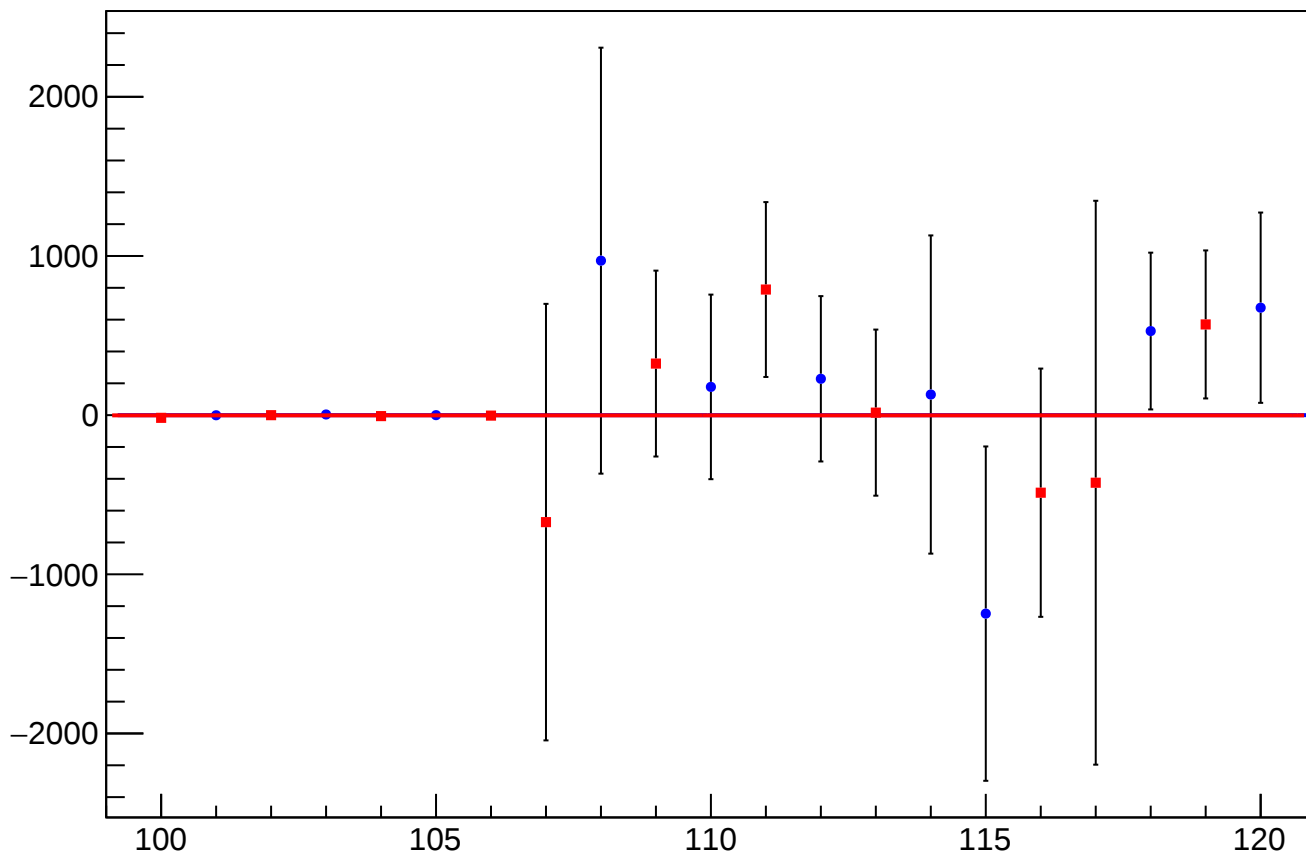
Right Out: 148.558+/-0.077  $\chi^2/\text{NDF}$ : 3591626.3/10

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

160.928+/-0.083  $\chi^2/\text{NDF}$ : 3096519.5/9

148.558+/-0.077  $\chi^2/\text{NDF}$ : 3591626.3/10

# asym\_cav4dQ\_mean vs slug



Right In: -0.143+/-1.724     $\chi^2/\text{NDF}$ : 5.5/9

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

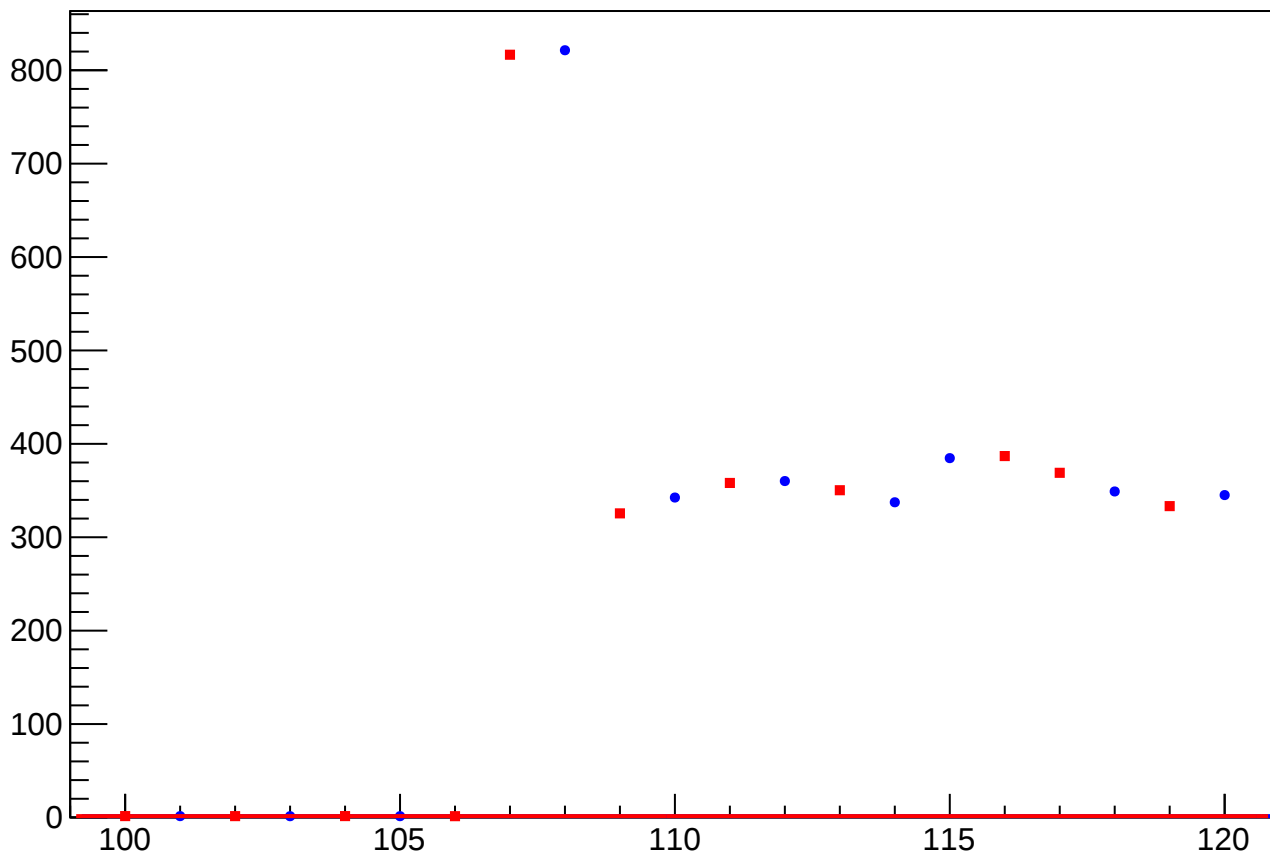
Right Out: -1.321+/-1.623     $\chi^2/\text{NDF}$ : 7.3/10

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

-0.143+/-1.724     $\chi^2/\text{NDF}$ : 5.5/9

-1.321+/-1.623     $\chi^2/\text{NDF}$ : 7.3/10

asym\_cav4dQ\_rms vs slug



Right In: 1.428+/-0.001  $\chi^2/\text{NDF}$ : 4547168.0/9

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

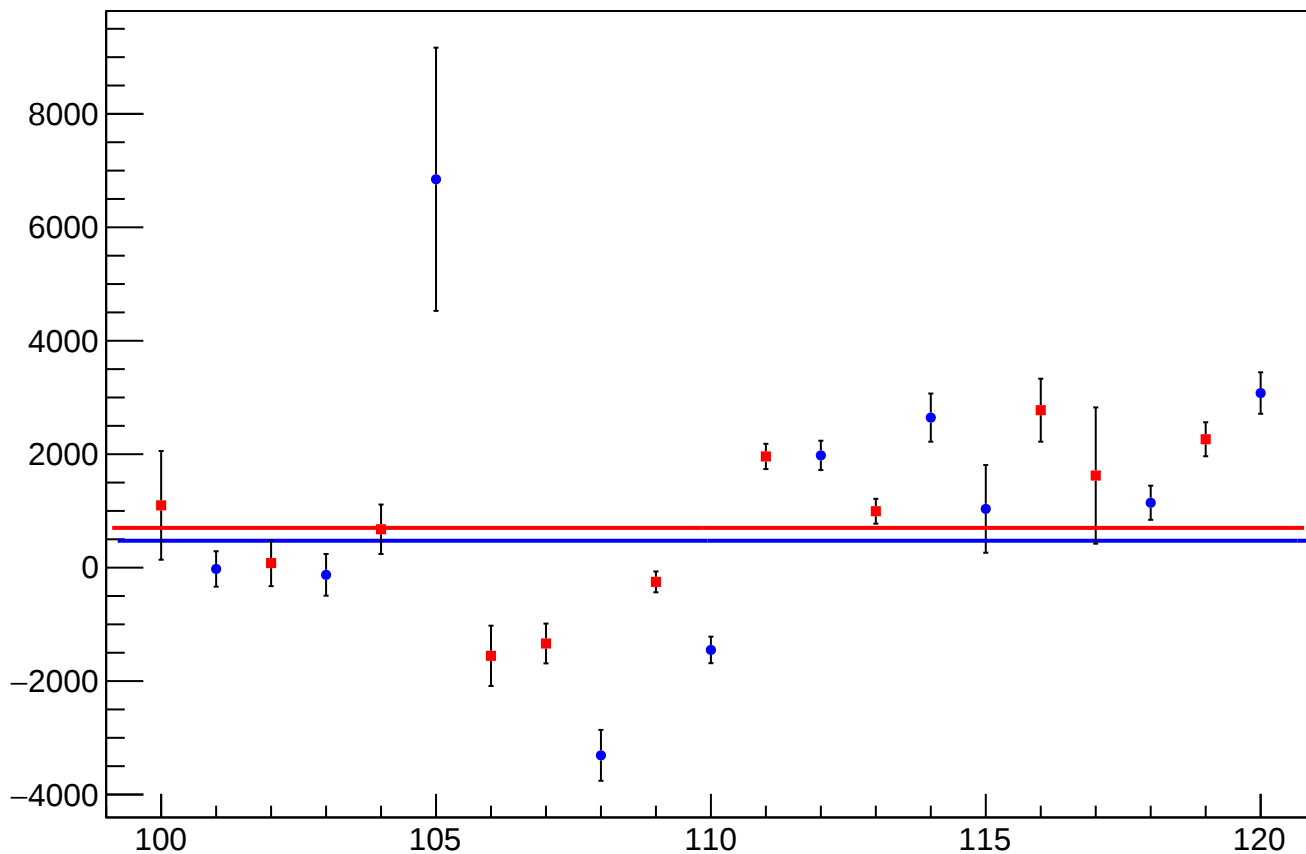
1.428+/-0.001  $\chi^2/\text{NDF}$ : 4547168.0/9

Right Out: 1.430+/-0.001  $\chi^2/\text{NDF}$ : 4654438.8/10

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

1.430+/-0.001  $\chi^2/\text{NDF}$ : 4654438.8/10

# asym\_bcm0l02\_mean vs slug



Right In: 474.645+/-110.577  $\chi^2/\text{NDF}$ : 267.8/9

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

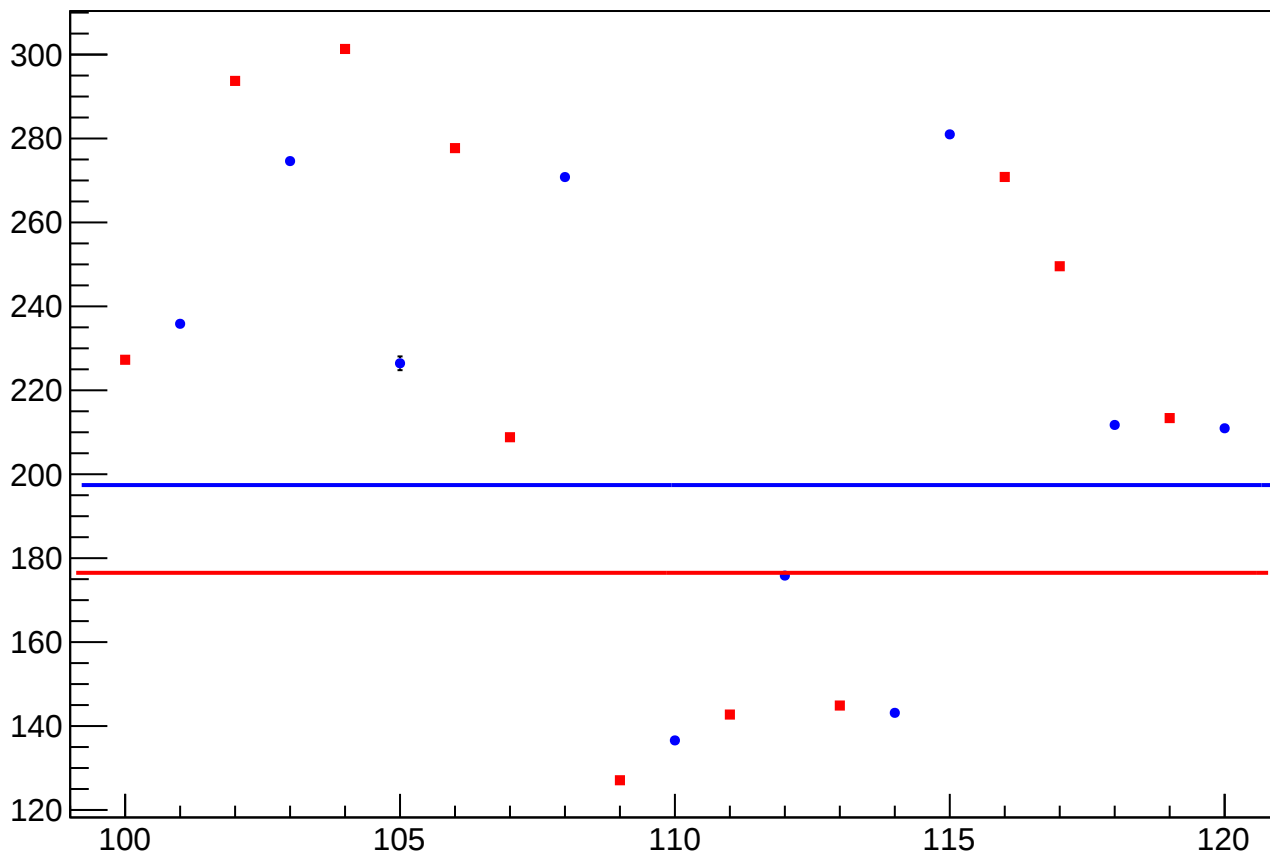
Right Out: 701.081+/-95.400  $\chi^2/\text{NDF}$ : 156.7/10

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

474.645+/-110.577  $\chi^2/\text{NDF}$ : 267.8/9

701.081+/-95.400  $\chi^2/\text{NDF}$ : 156.7/10

# asym\_bcm0l02\_rms vs slug



Right In: 197.419+/-0.078  $\chi^2/\text{NDF}$ : 384899.4/9

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

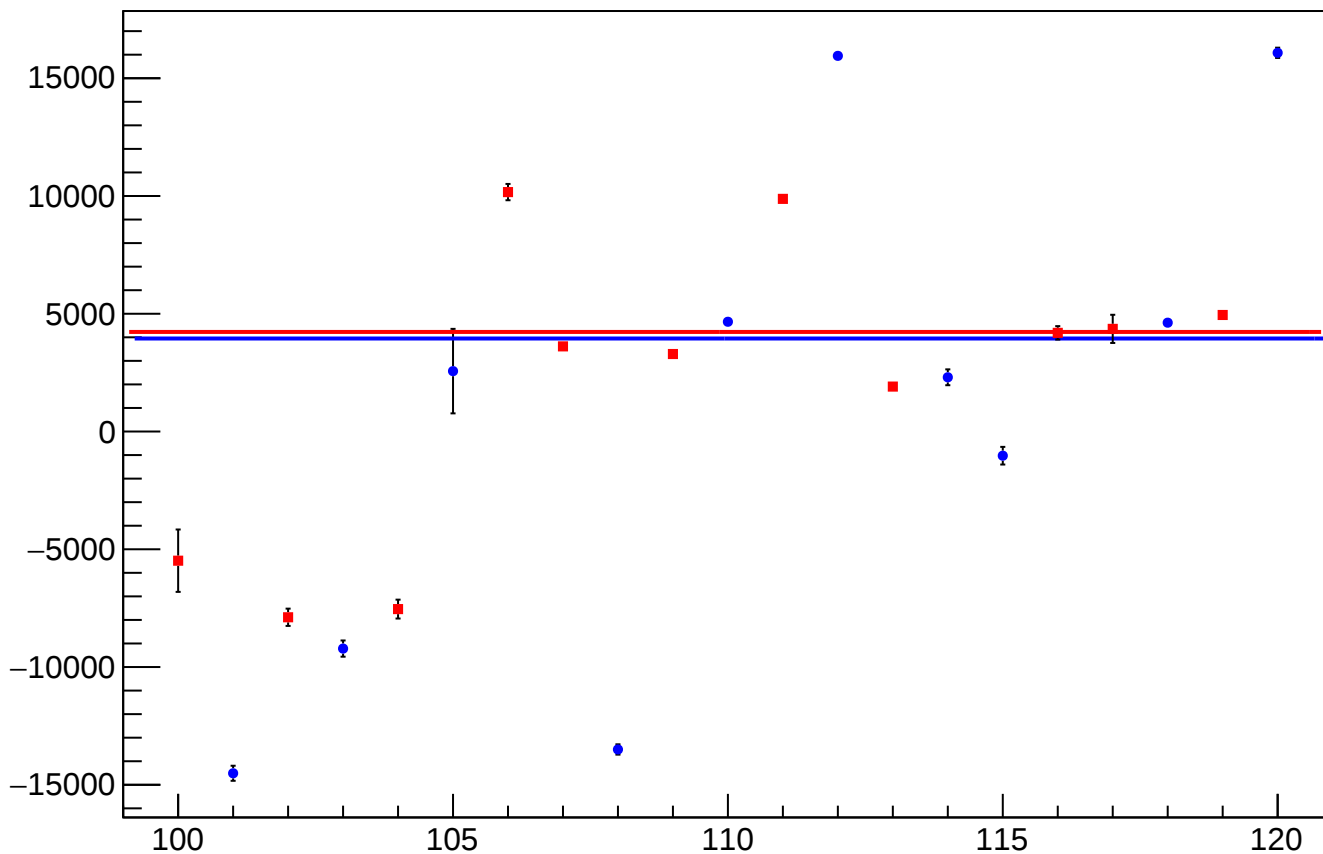
Right Out: 176.511+/-0.067  $\chi^2/\text{NDF}$ : 753855.6/10

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

197.419+/-0.078  $\chi^2/\text{NDF}$ : 384899.4/9

176.511+/-0.067  $\chi^2/\text{NDF}$ : 753855.6/10

# asym\_bpm0i02WS\_mean vs slug



Right In: 3949.005+/-74.558  $\chi^2/\text{NDF}$ : 19330.8/9

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

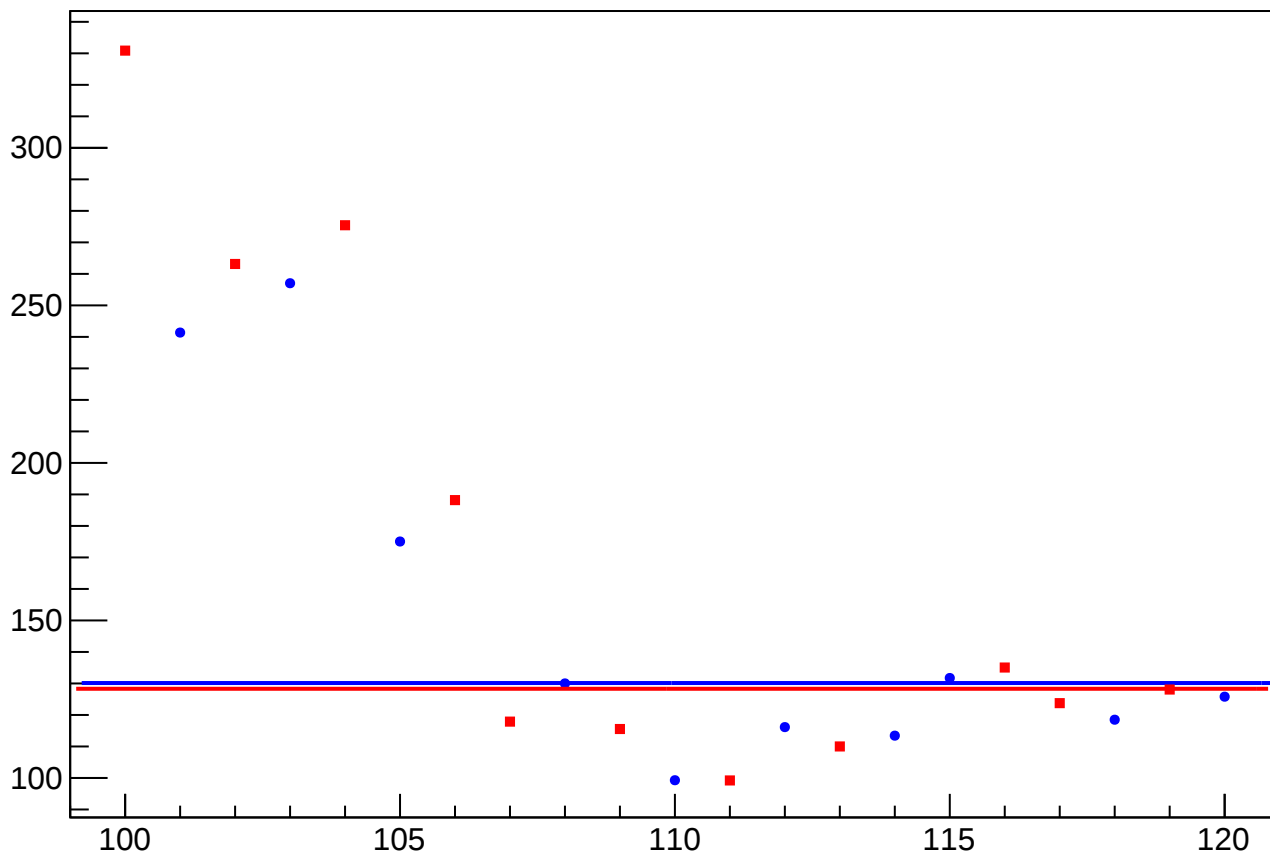
Right Out: 4227.994+/-69.273  $\chi^2/\text{NDF}$ : 3862.5/10

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

3949.005+/-74.558  $\chi^2/\text{NDF}$ : 19330.8/9

4227.994+/-69.273  $\chi^2/\text{NDF}$ : 3862.5/10

# asym\_bpm0i02WS\_rms vs slug



Right In: 130.137+/-0.053  $\chi^2/\text{NDF}$ : 609021.0/9

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

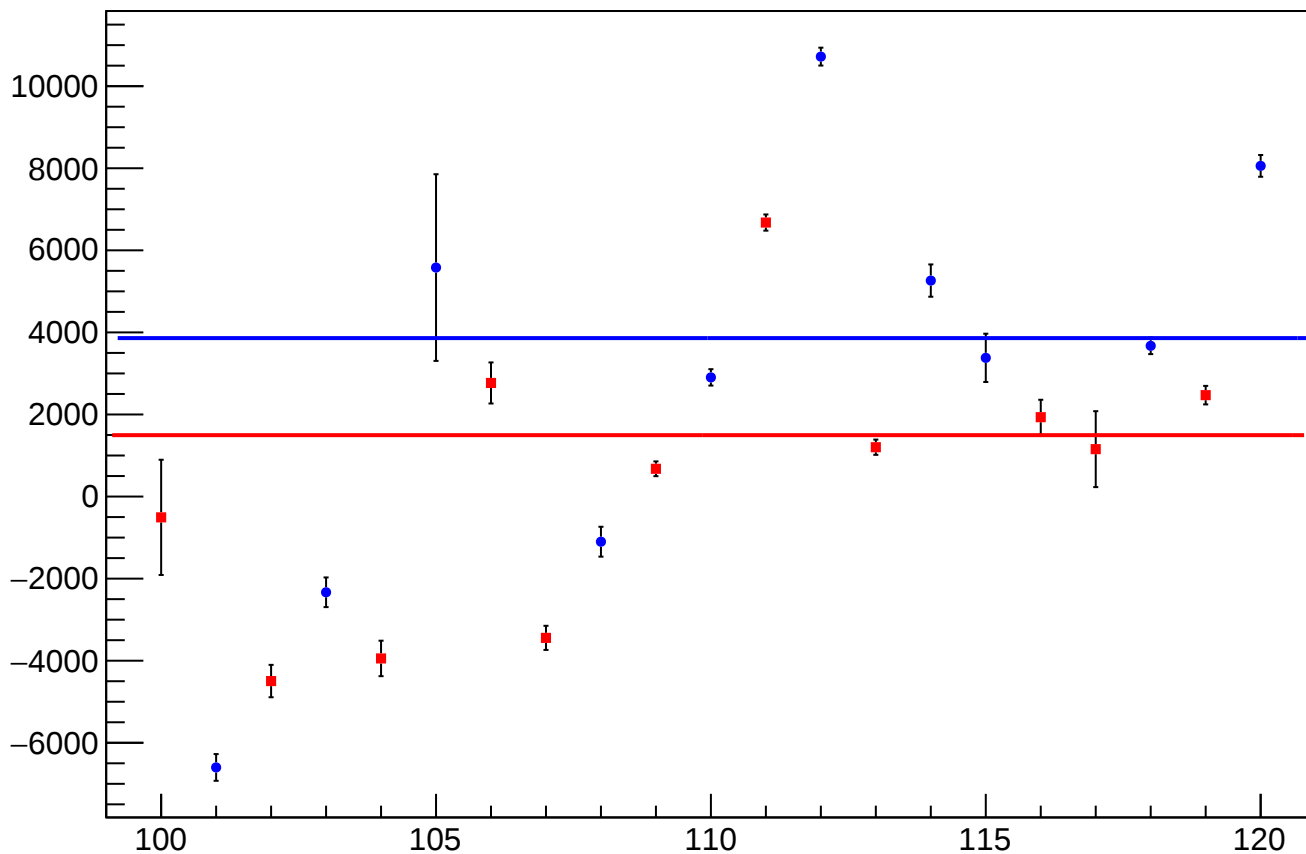
Right Out: 128.314+/-0.049  $\chi^2/\text{NDF}$ : 758981.8/10

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

130.137+/-0.053  $\chi^2/\text{NDF}$ : 609021.0/9

128.314+/-0.049  $\chi^2/\text{NDF}$ : 758981.8/10

# asym\_bpm0i02aWS\_mean vs slug



Right In: 3861.164+/-91.609  $\chi^2/\text{NDF}$ : 2792.2/9

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

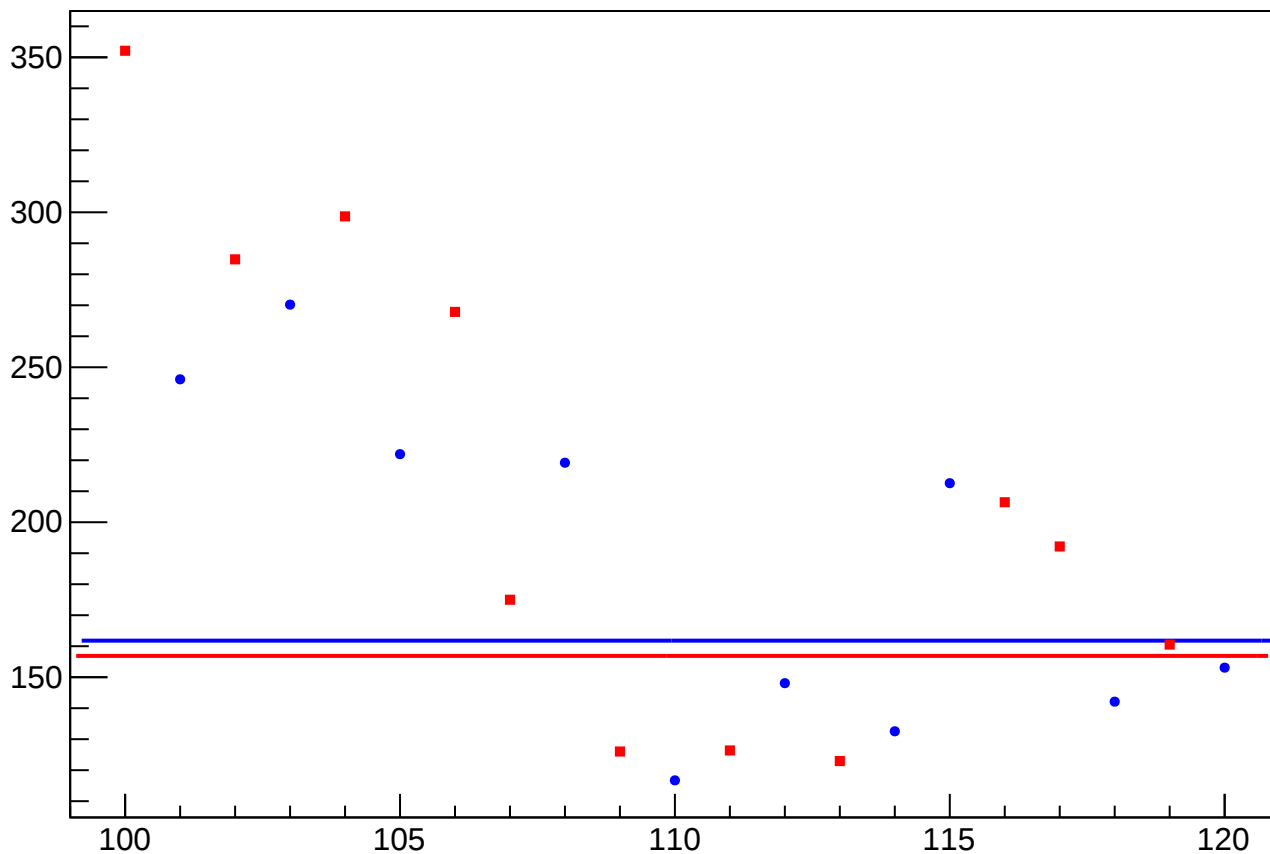
Right Out: 1496.024+/-84.590  $\chi^2/\text{NDF}$ : 1413.4/10

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

3861.164+/-91.609  $\chi^2/\text{NDF}$ : 2792.2/9

1496.024+/-84.590  $\chi^2/\text{NDF}$ : 1413.4/10

# asym\_bpm0i02aWS\_rms vs slug



Right In: 161.796+/-0.065  $\chi^2/\text{NDF}$ : 522370.3/9

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

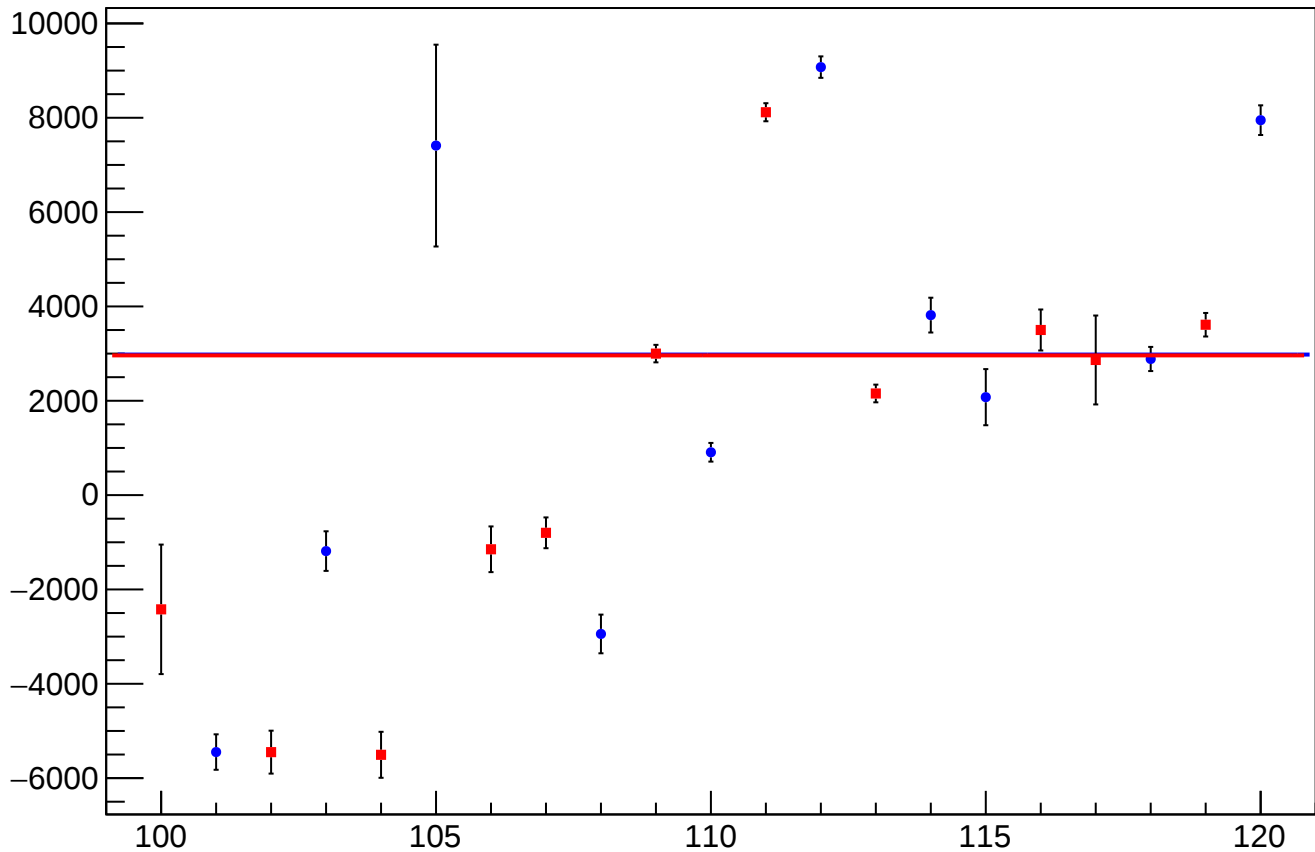
Right Out: 156.874+/-0.060  $\chi^2/\text{NDF}$ : 774263.1/10

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

161.796+/-0.065  $\chi^2/\text{NDF}$ : 522370.3/9

156.874+/-0.060  $\chi^2/\text{NDF}$ : 774263.1/10

# asym\_bpm0i05WS\_mean vs slug



Right In: 2979.660 $\pm$ 100.367  $\chi^2$ /NDF: 1898.8/9

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

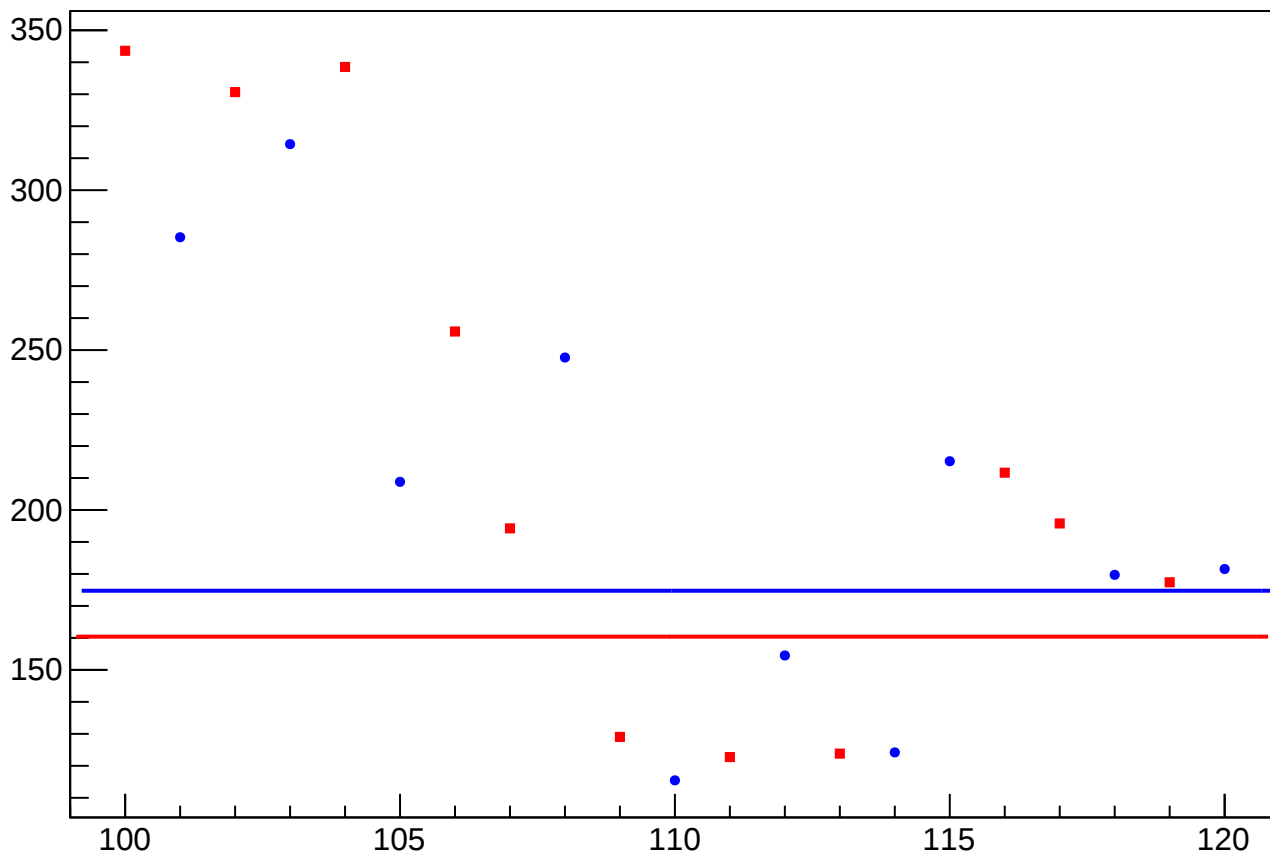
Right Out: 2962.203 $\pm$ 87.553  $\chi^2$ /NDF: 1615.4/10

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

2979.660 $\pm$ 100.367  $\chi^2$ /NDF: 1898.8/9

2962.203 $\pm$ 87.553  $\chi^2$ /NDF: 1615.4/10

# asym\_bpm0i05WS\_rms vs slug



Right In: 174.753+/-0.071  $\chi^2/\text{NDF}$ : 701415.0/9

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

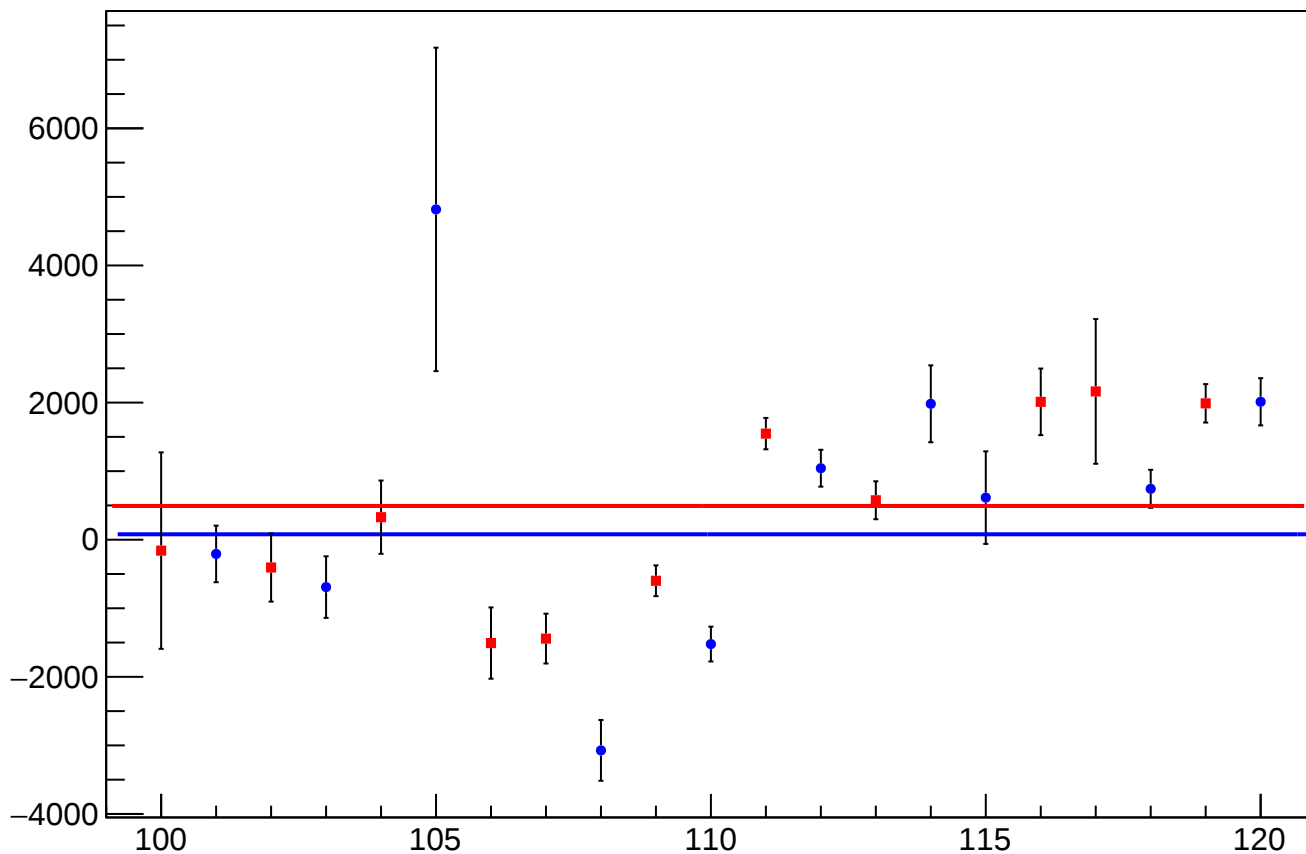
Right Out: 160.395+/-0.062  $\chi^2/\text{NDF}$ : 932258.3/10

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

174.753+/-0.071  $\chi^2/\text{NDF}$ : 701415.0/9

160.395+/-0.062  $\chi^2/\text{NDF}$ : 932258.3/10

# asym\_bpm0i07WS\_mean vs slug



Right In: 79.150+/-117.619  $\chi^2$ /NDF: 160.0/9

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

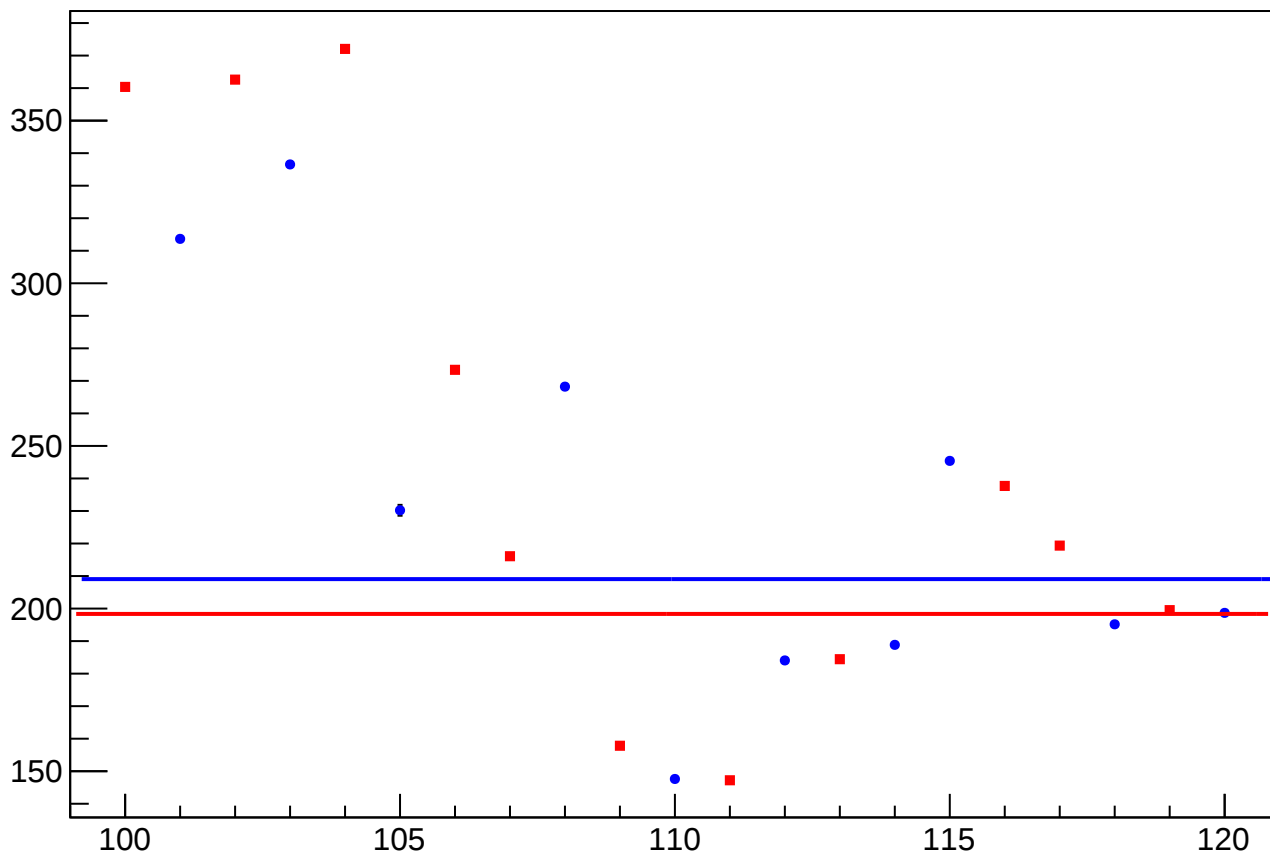
Right Out: 492.424+/-105.869  $\chi^2$ /NDF: 132.6/10

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

79.150+/-117.619  $\chi^2$ /NDF: 160.0/9

492.424+/-105.869  $\chi^2$ /NDF: 132.6/10

# asym\_bpm0i07WS\_rms vs slug



Right In: 209.058+/-0.083  $\chi^2/\text{NDF}$ : 475151.1/9

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

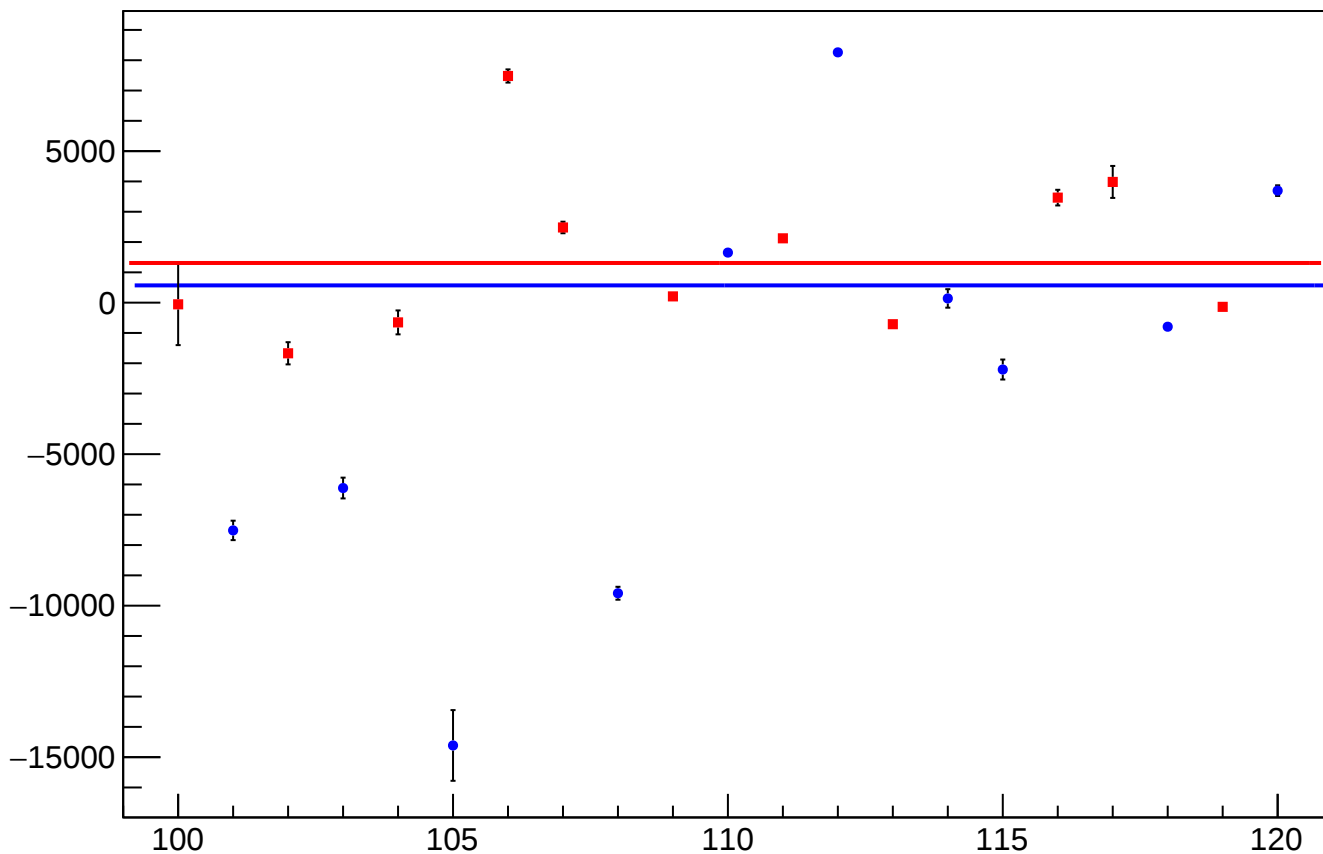
Right Out: 198.356+/-0.075  $\chi^2/\text{NDF}$ : 685506.5/10

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

209.058+/-0.083  $\chi^2/\text{NDF}$ : 475151.1/9

198.356+/-0.075  $\chi^2/\text{NDF}$ : 685506.5/10

# asym\_bpm1i02WS\_mean vs slug



Right In: 569.406+/-67.037  $\chi^2/\text{NDF}$ : 6456.6/9

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

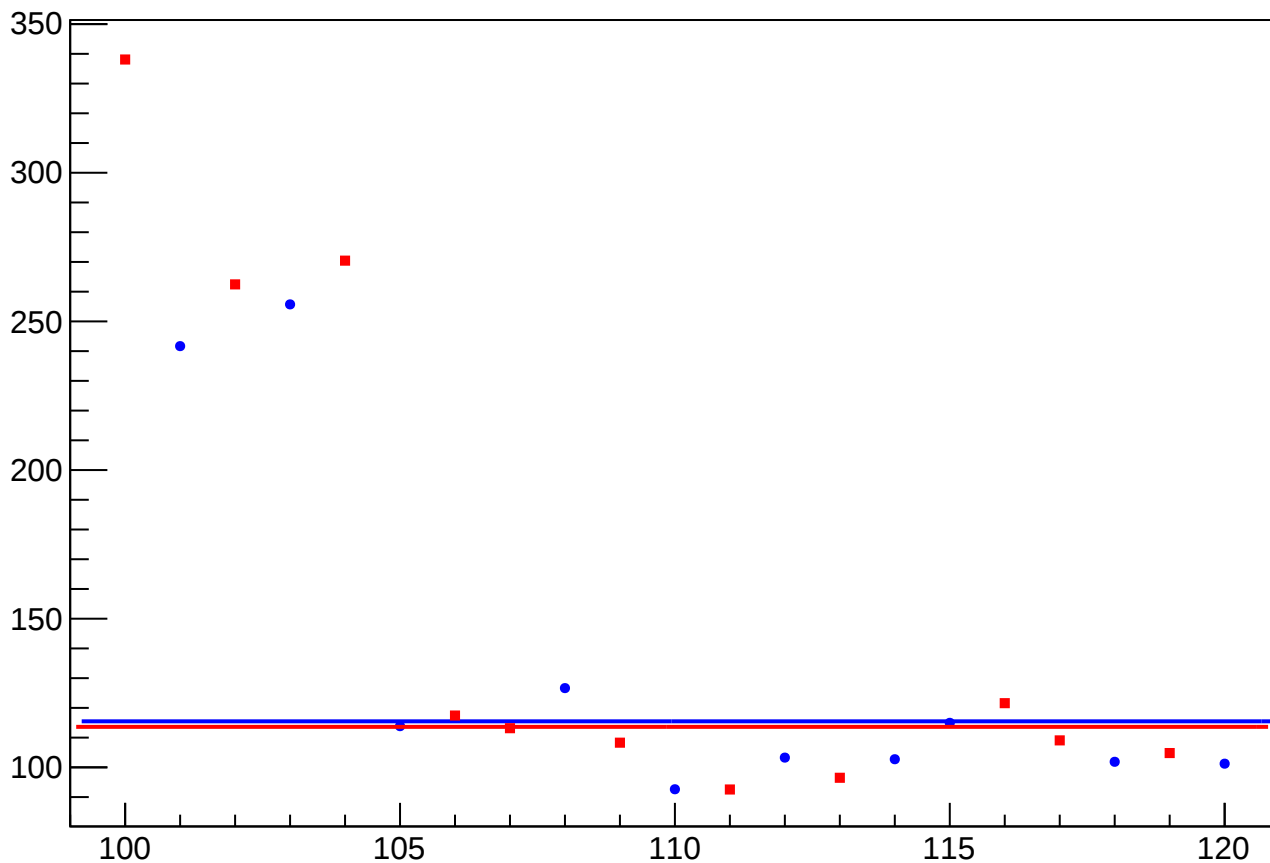
Right Out: 1309.035+/-61.673  $\chi^2/\text{NDF}$ : 1395.2/10

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

569.406+/-67.037  $\chi^2/\text{NDF}$ : 6456.6/9

1309.035+/-61.673  $\chi^2/\text{NDF}$ : 1395.2/10

# asym\_bpm1i02WS\_rms vs slug



Right In: 115.478+/-0.047  $\chi^2/\text{NDF}$ : 737897.9/9

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

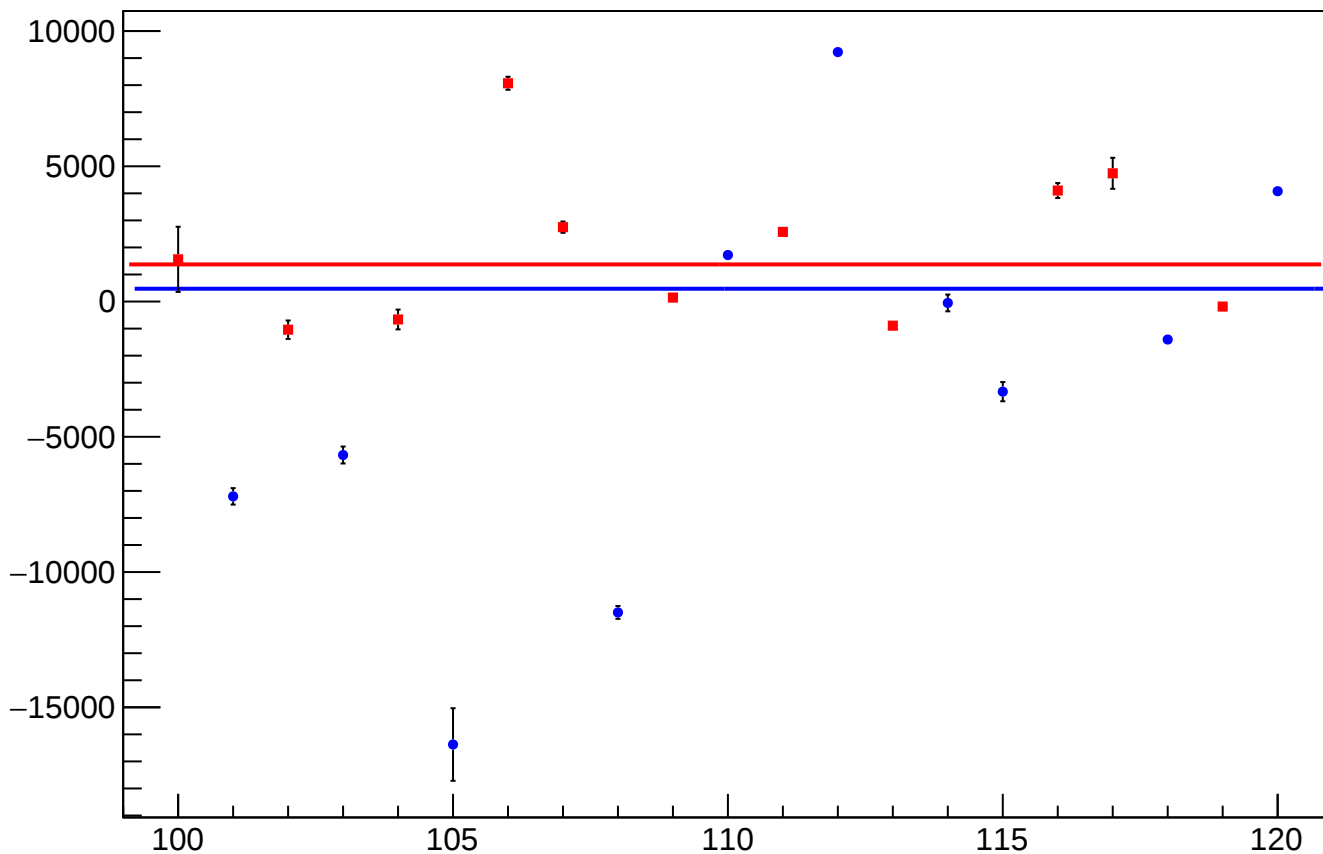
115.478+/-0.047  $\chi^2/\text{NDF}$ : 737897.9/9

Right Out: 113.621+/-0.044  $\chi^2/\text{NDF}$ : 782146.8/10

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

113.621+/-0.044  $\chi^2/\text{NDF}$ : 782146.8/10

# asym\_bpm2i01WS\_mean vs slug



Right In: 473.868+/-69.277  $\chi^2/\text{NDF}$ : 7385.2/9

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

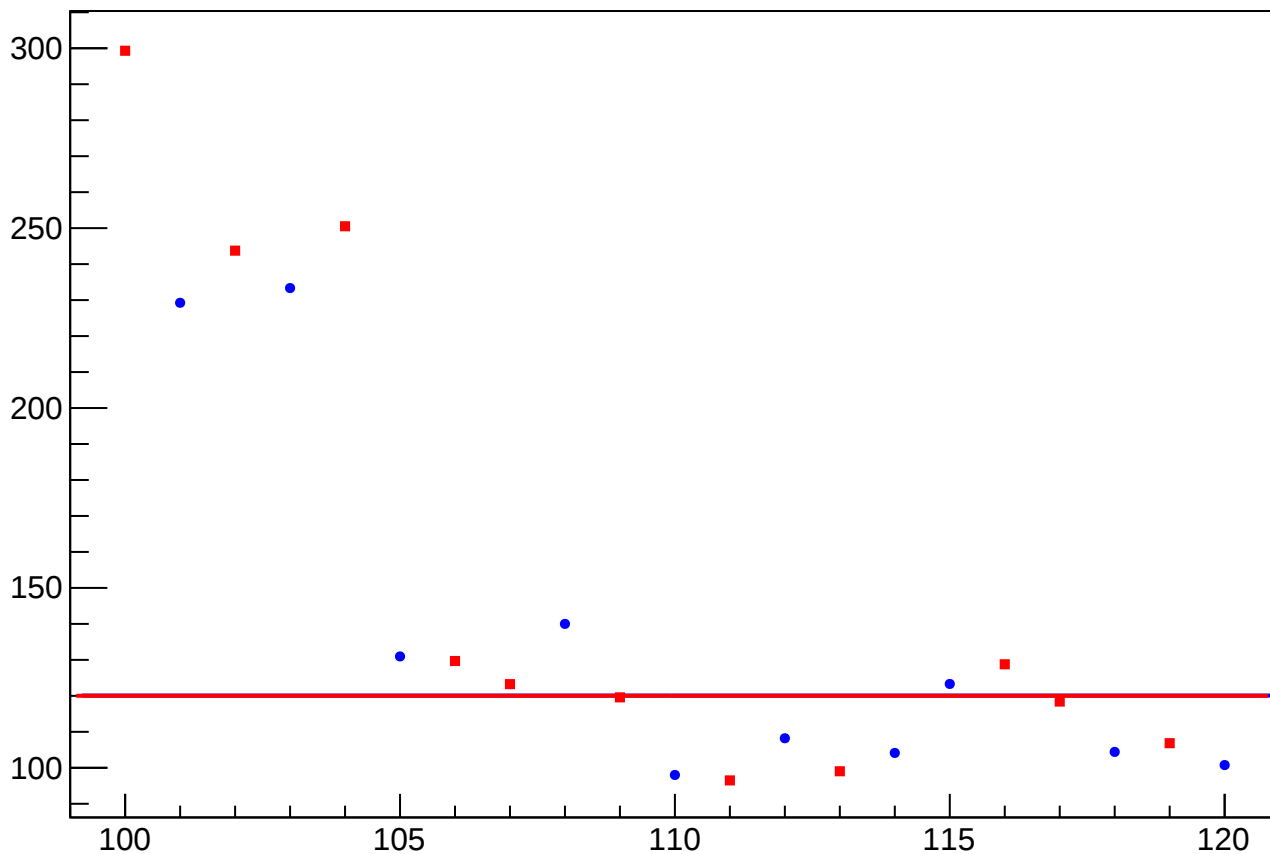
Right Out: 1372.780+/-64.823  $\chi^2/\text{NDF}$ : 1474.5/10

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

473.868+/-69.277  $\chi^2/\text{NDF}$ : 7385.2/9

1372.780+/-64.823  $\chi^2/\text{NDF}$ : 1474.5/10

# asym\_bpm2i01WS\_rms vs slug



Right In: 120.083+/-0.049  $\chi^2/\text{NDF}$ : 630089.0/9

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

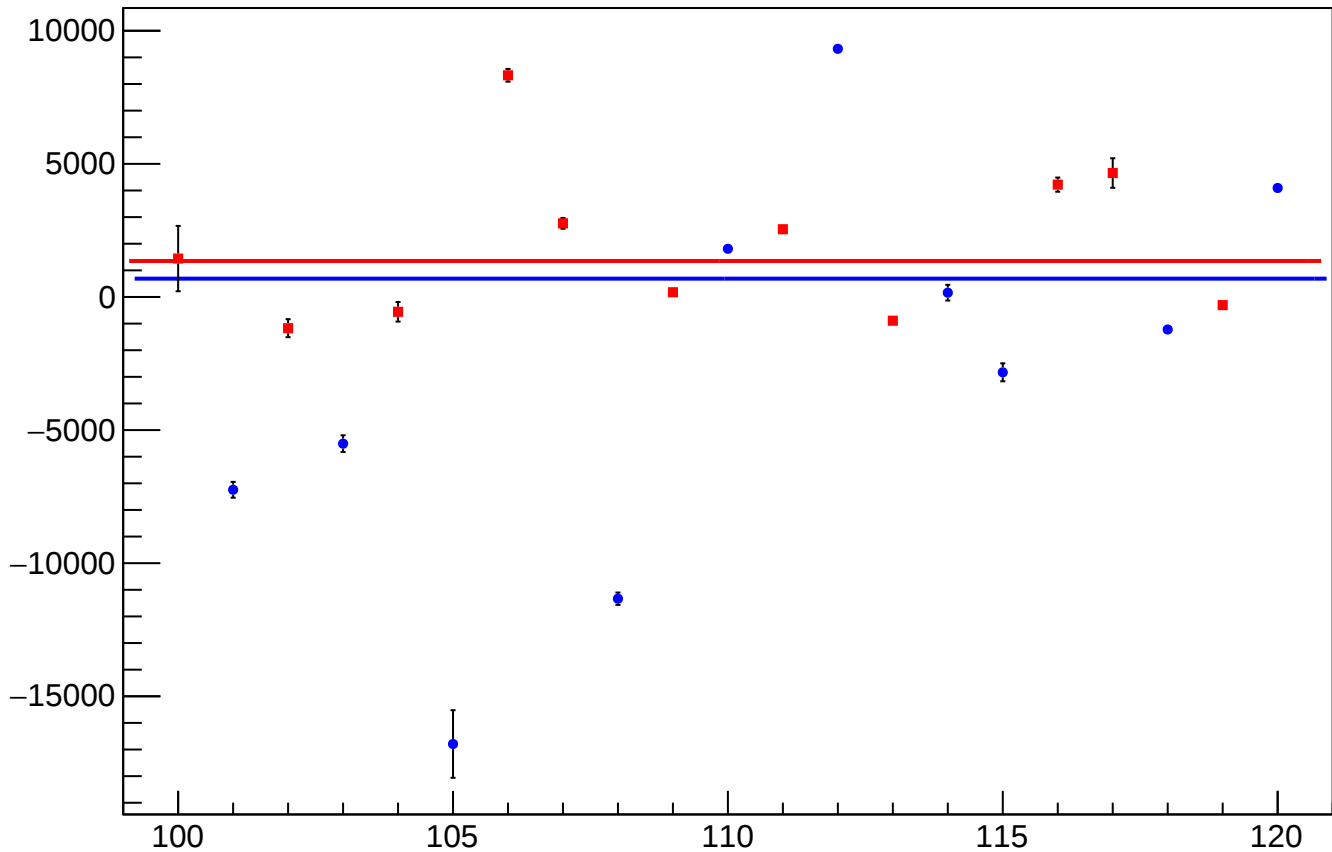
120.083+/-0.049  $\chi^2/\text{NDF}$ : 630089.0/9

Right Out: 120.015+/-0.046  $\chi^2/\text{NDF}$ : 667788.4/10

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

120.015+/-0.046  $\chi^2/\text{NDF}$ : 667788.4/10

# asym\_bpm2i02WS\_mean vs slug



Right In: 688.327+/-66.599  $\chi^2/\text{NDF}$ : 7806.8/9

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

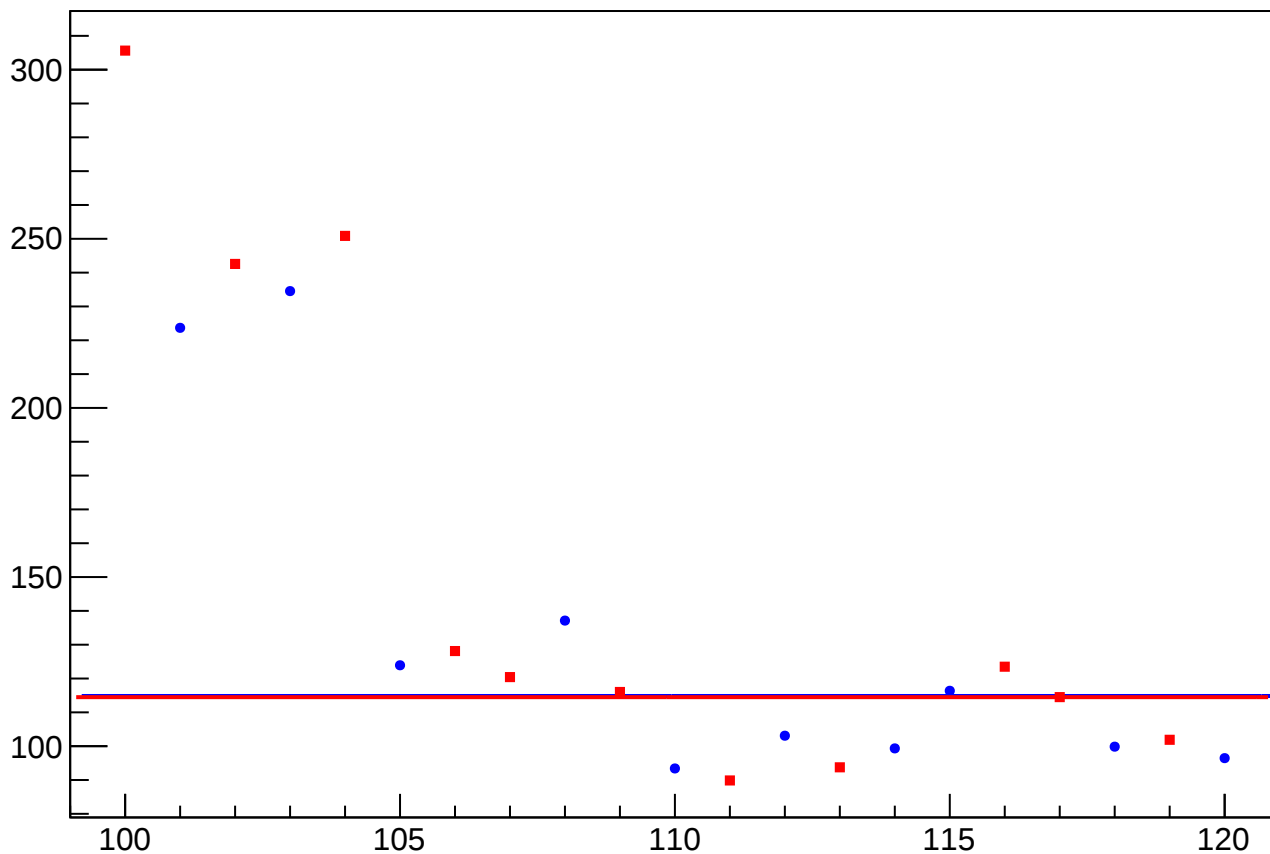
688.327+/-66.599  $\chi^2/\text{NDF}$ : 7806.8/9

Right Out: 1351.275+/-62.251  $\chi^2/\text{NDF}$ : 1636.4/10

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

1351.275+/-62.251  $\chi^2/\text{NDF}$ : 1636.4/10

# asym\_bpm2i02WS\_rms vs slug



Right In: 114.837+/-0.047  $\chi^2/\text{NDF}$ : 674250.2/9

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

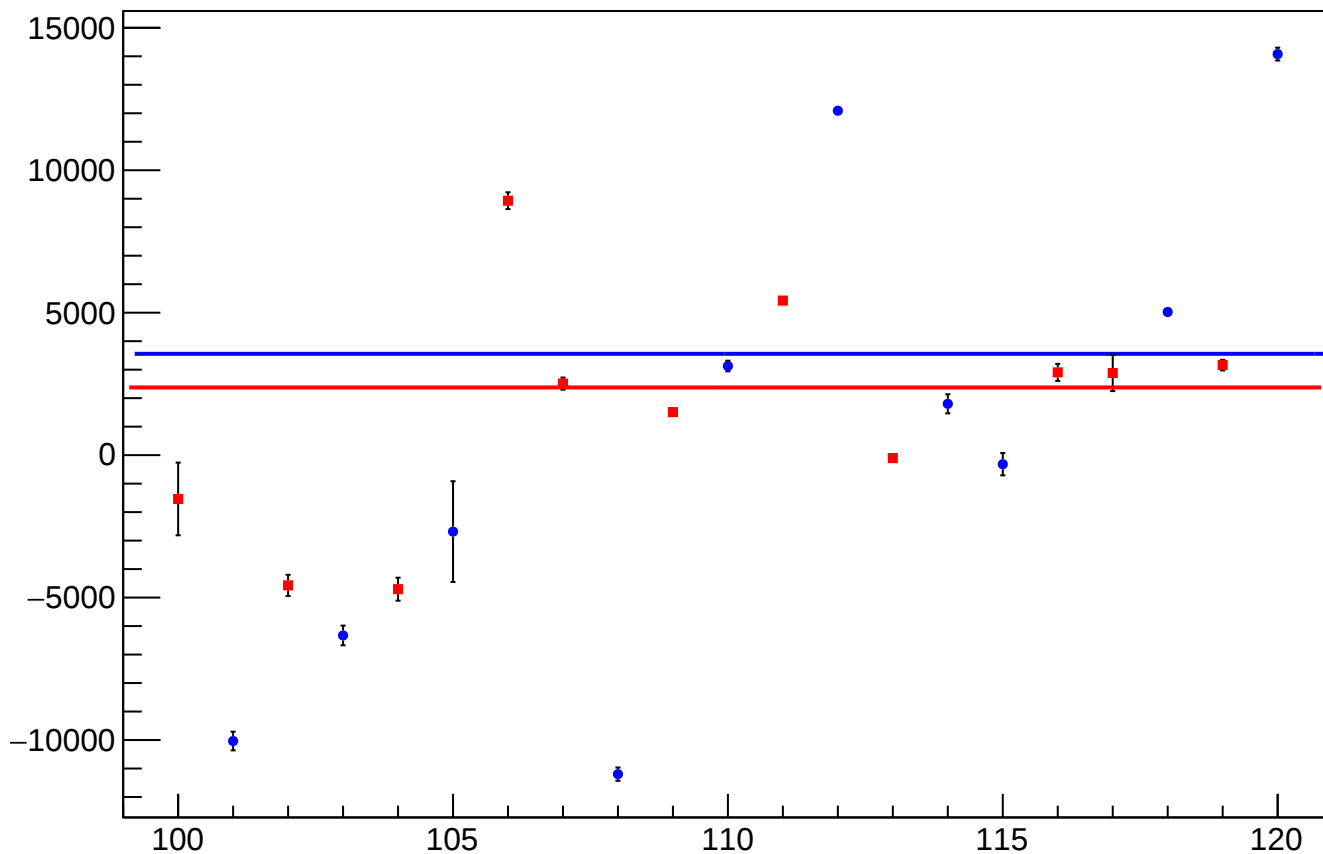
114.837+/-0.047  $\chi^2/\text{NDF}$ : 674250.2/9

Right Out: 114.489+/-0.044  $\chi^2/\text{NDF}$ : 736124.2/10

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

114.489+/-0.044  $\chi^2/\text{NDF}$ : 736124.2/10

# asym\_bpm0i01WS\_mean vs slug



Right In: 3556.706+/-77.623  $\chi^2/\text{NDF}$ : 11303.4/9

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

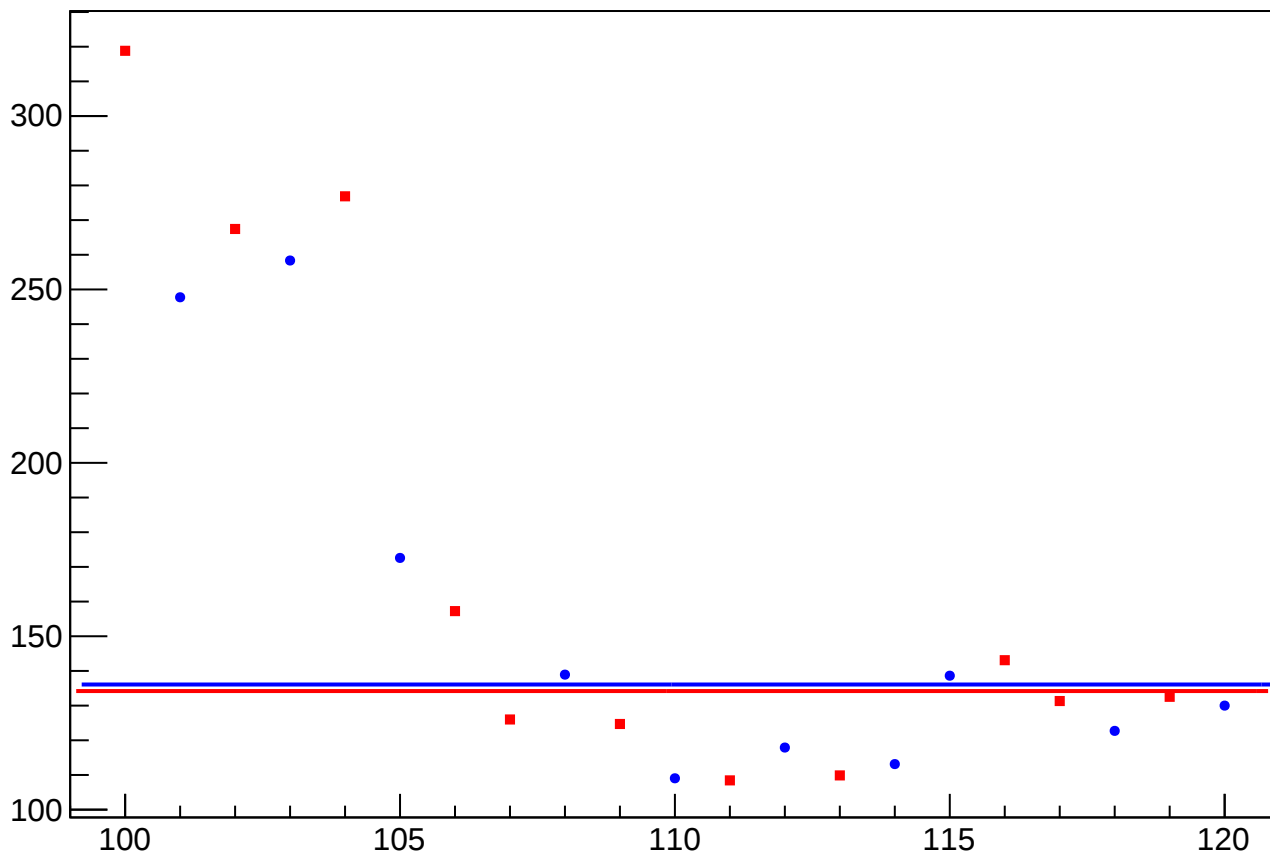
Right Out: 2376.070+/-71.952  $\chi^2/\text{NDF}$ : 1747.9/10

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

3556.706+/-77.623  $\chi^2/\text{NDF}$ : 11303.4/9

2376.070+/-71.952  $\chi^2/\text{NDF}$ : 1747.9/10

# asym\_bpm0i01WS\_rms vs slug



Right In: 136.087+/-0.055  $\chi^2/\text{NDF}$ : 567841.8/9

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

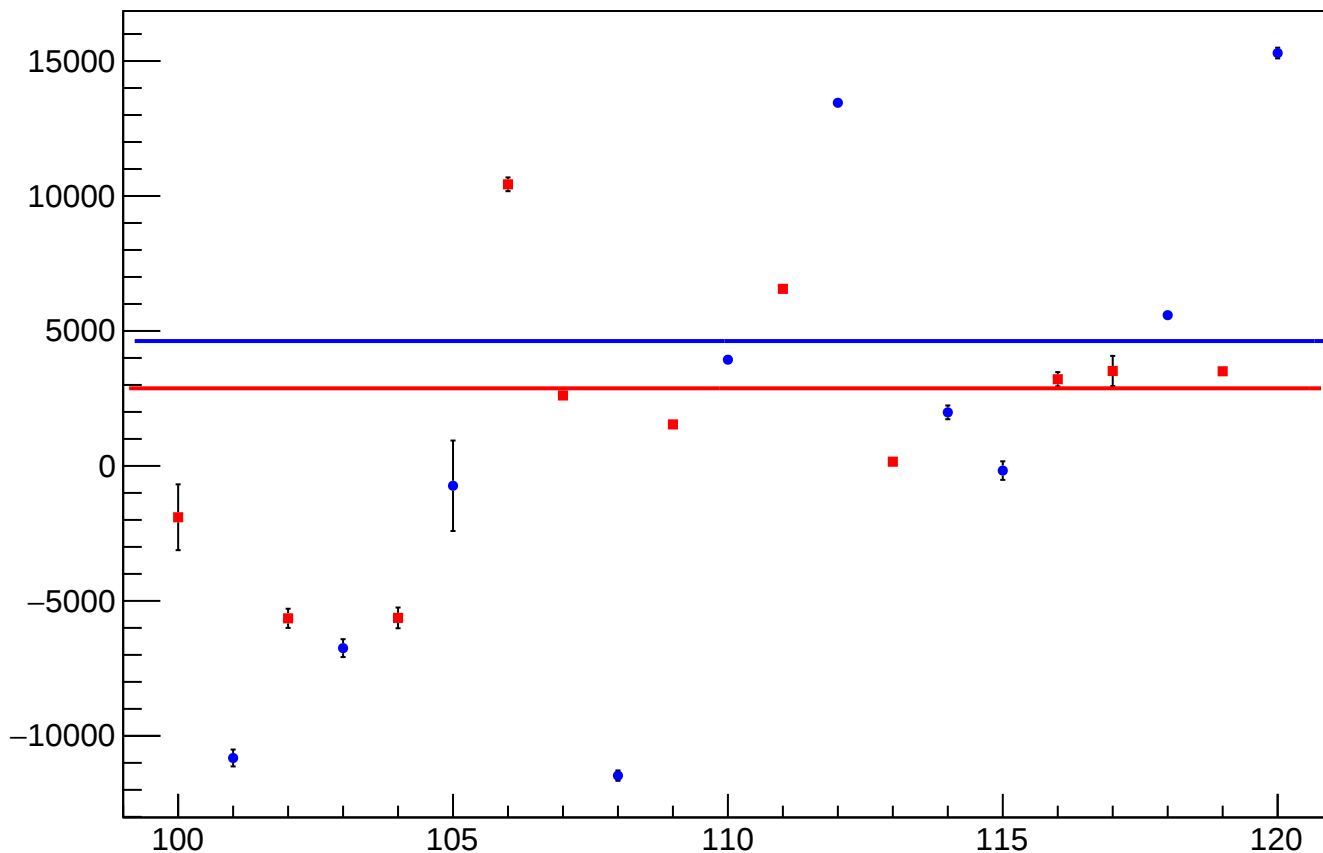
Right Out: 134.198+/-0.051  $\chi^2/\text{NDF}$ : 658782.2/10

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

136.087+/-0.055  $\chi^2/\text{NDF}$ : 567841.8/9

134.198+/-0.051  $\chi^2/\text{NDF}$ : 658782.2/10

# asym\_bpm0i01aWS\_mean vs slug



Right In: 4626.378+/-62.795  $\chi^2$ /NDF: 18332.4/9

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

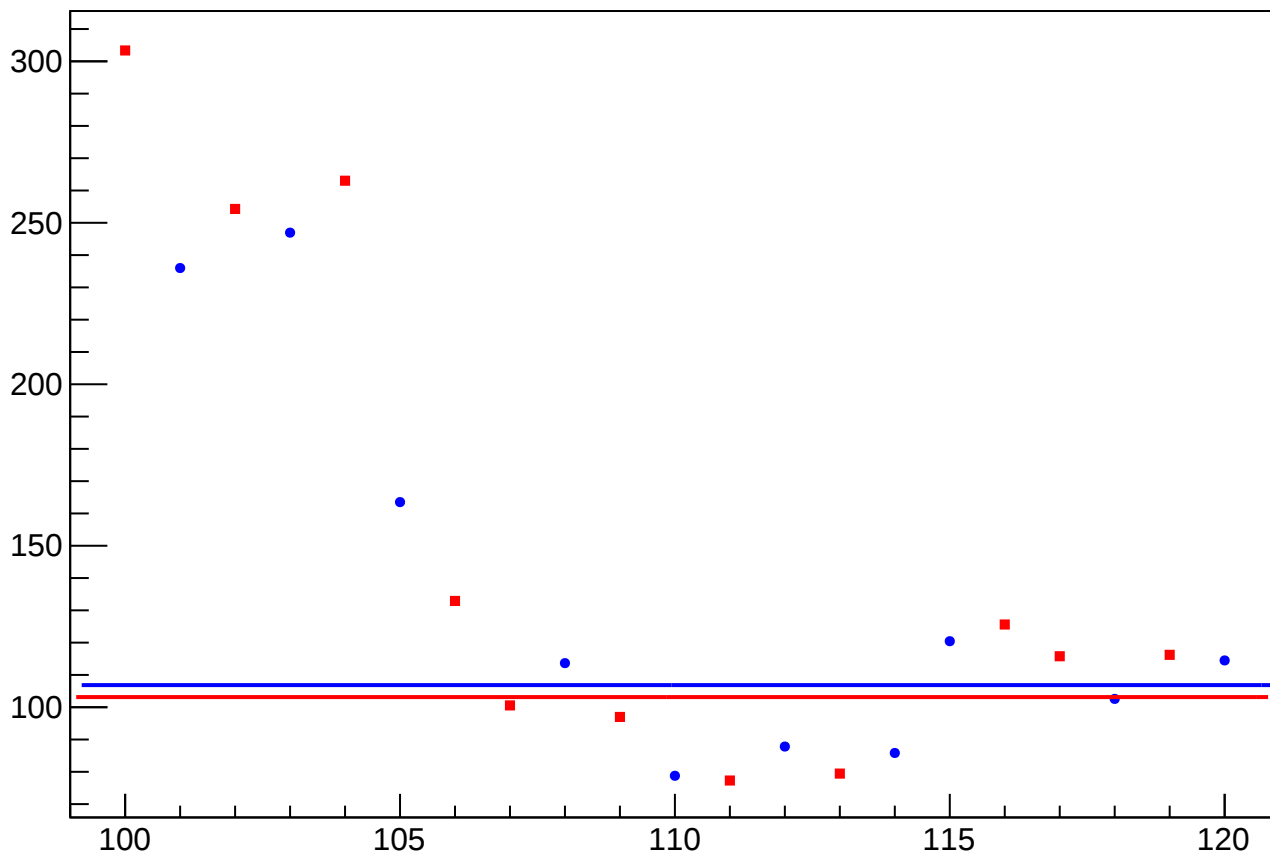
Right Out: 2875.215+/-57.154  $\chi^2$ /NDF: 3468.8/10

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

4626.378+/-62.795  $\chi^2$ /NDF: 18332.4/9

2875.215+/-57.154  $\chi^2$ /NDF: 3468.8/10

# asym\_bpm0i01aWS\_rms vs slug



Right In: 106.850+/-0.044  $\chi^2/\text{NDF}$ : 849093.6/9

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

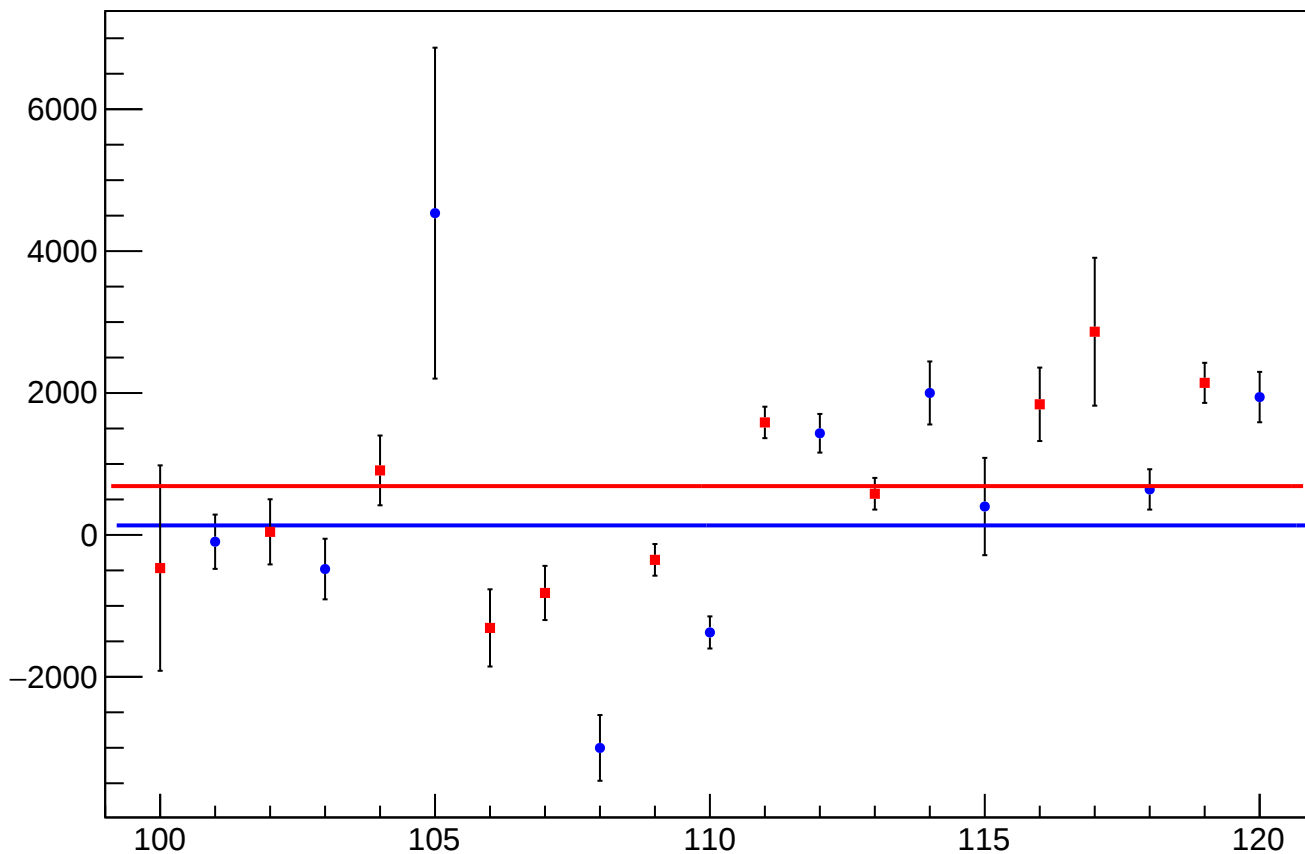
106.850+/-0.044  $\chi^2/\text{NDF}$ : 849093.6/9

Right Out: 103.140+/-0.040  $\chi^2/\text{NDF}$ : 985924.3/10

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

103.140+/-0.040  $\chi^2/\text{NDF}$ : 985924.3/10

# asym\_bpm0l01WS\_mean vs slug



Right In: 134.166+/-113.492  $\chi^2/\text{NDF}$ : 165.8/9

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

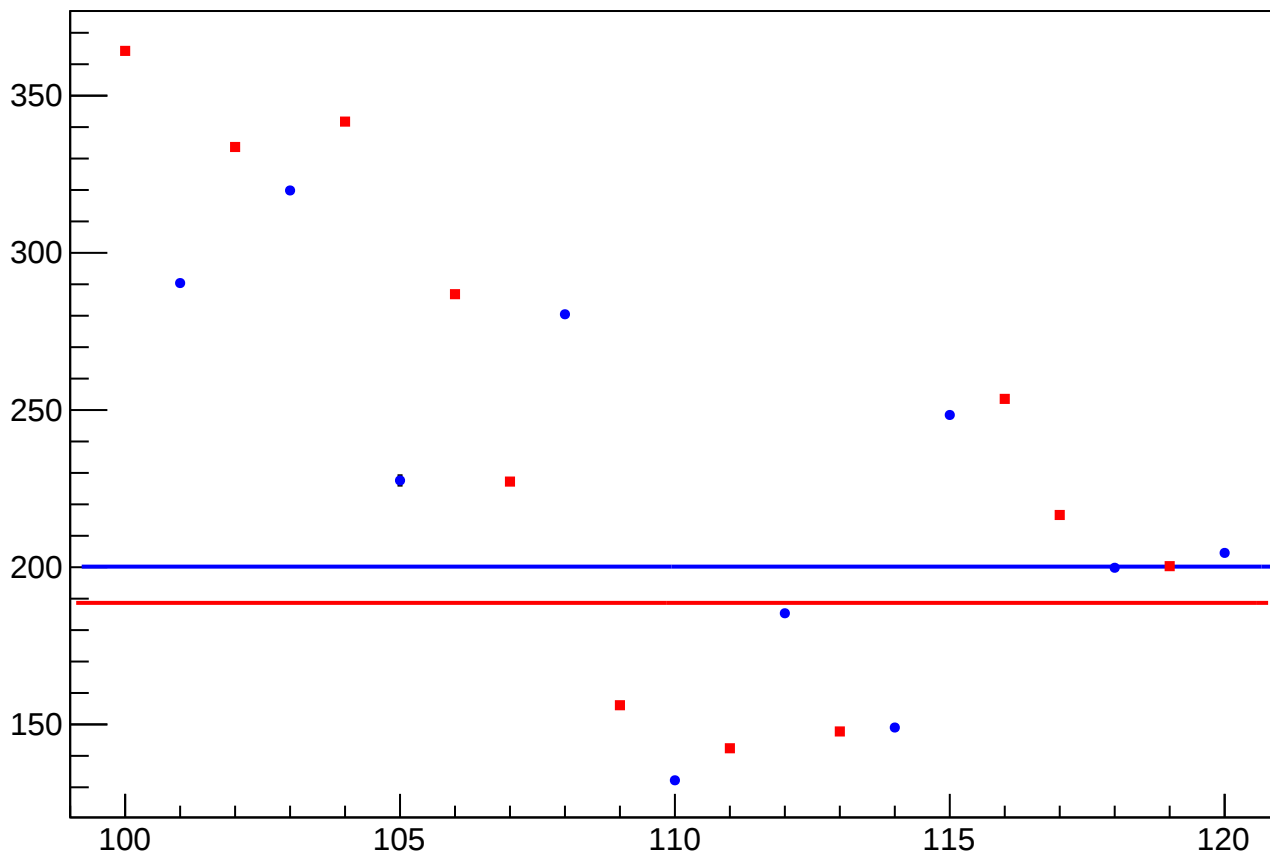
Right Out: 688.207+/-101.392  $\chi^2/\text{NDF}$ : 106.0/10

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

134.166+/-113.492  $\chi^2/\text{NDF}$ : 165.8/9

688.207+/-101.392  $\chi^2/\text{NDF}$ : 106.0/10

# asym\_bpm0l01WS\_rms vs slug



Right In: 200.193+/-0.080  $\chi^2/\text{NDF}$ : 551493.4/9

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

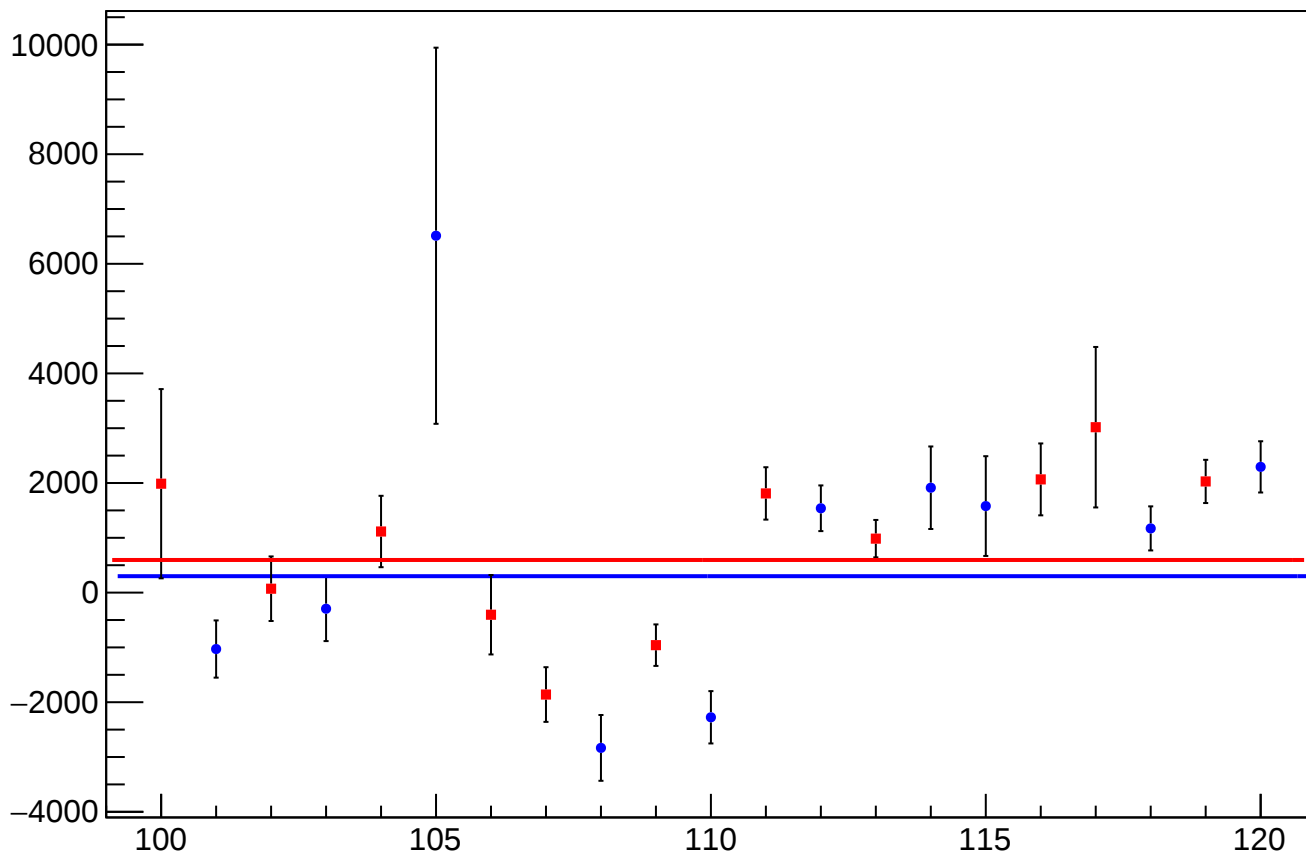
Right Out: 188.660+/-0.072  $\chi^2/\text{NDF}$ : 741369.4/10

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

200.193+/-0.080  $\chi^2/\text{NDF}$ : 551493.4/9

188.660+/-0.072  $\chi^2/\text{NDF}$ : 741369.4/10

# asym\_bpm0l02WS\_mean vs slug



Right In: 299.752+/-173.360  $\chi^2/\text{NDF}$ : 105.4/9

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

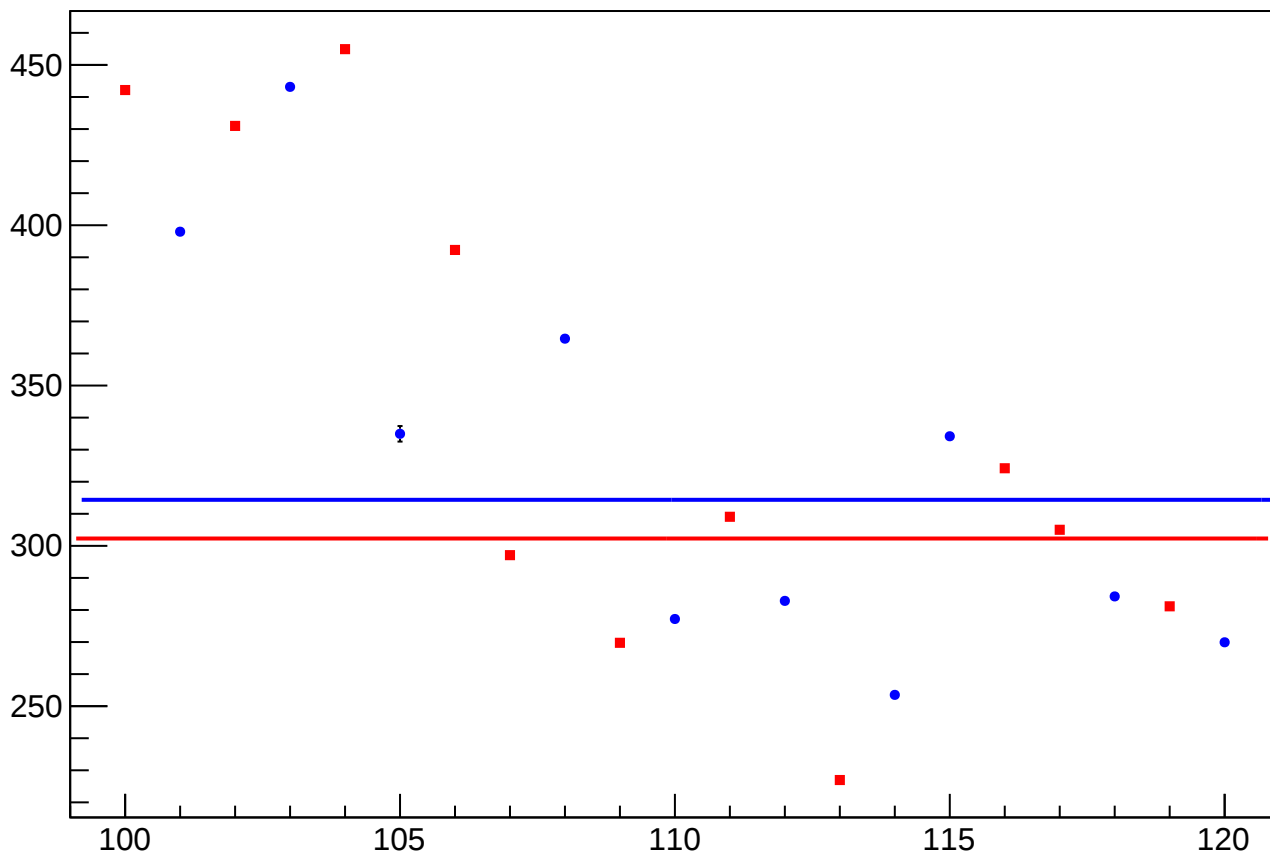
Right Out: 595.458+/-156.823  $\chi^2/\text{NDF}$ : 73.8/10

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

299.752+/-173.360  $\chi^2/\text{NDF}$ : 105.4/9

595.458+/-156.823  $\chi^2/\text{NDF}$ : 73.8/10

asym\_bpm0l02WS\_rms vs slug



Right In: 314.361+/-0.123  $\chi^2/\text{NDF}$ : 227476.7/9

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

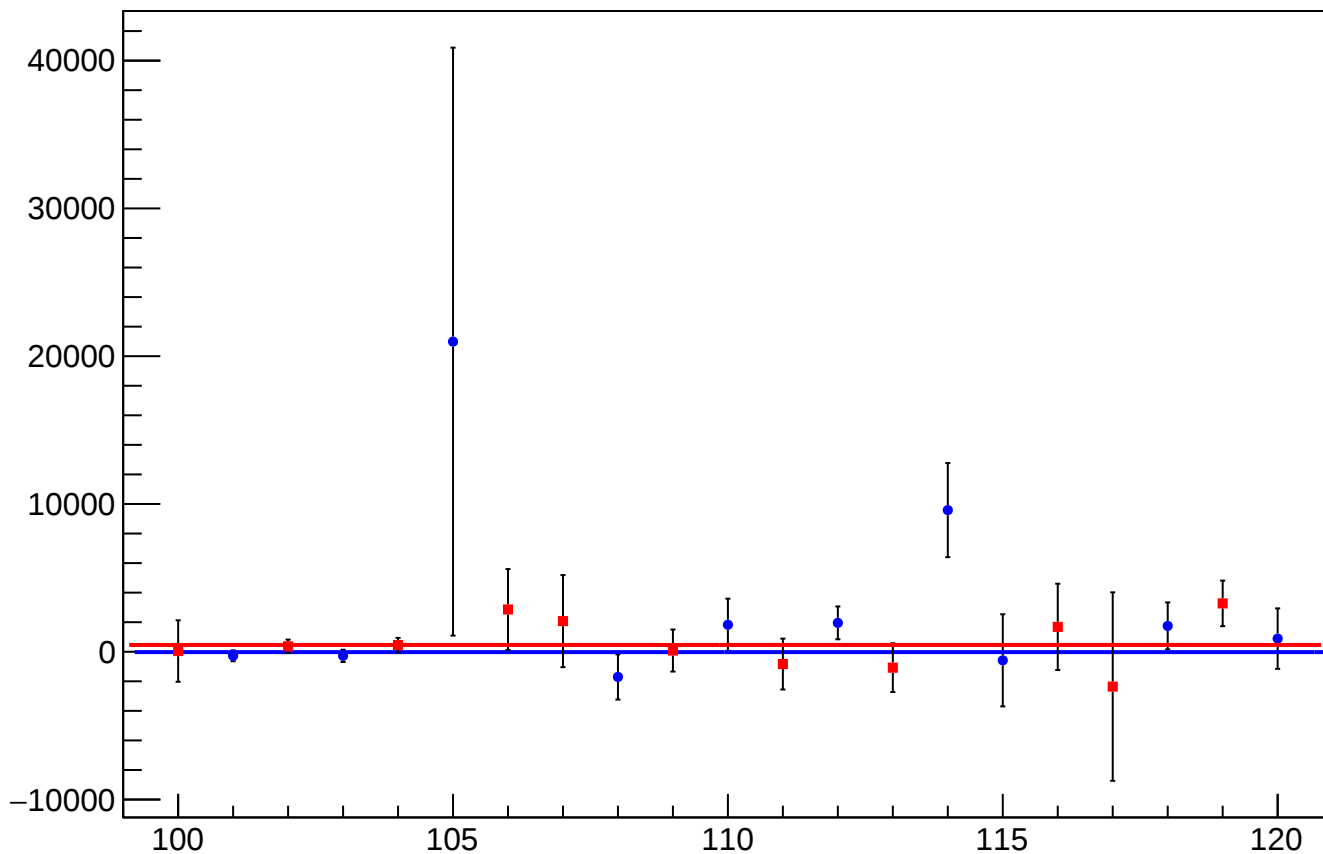
314.361+/-0.123  $\chi^2/\text{NDF}$ : 227476.7/9

Right Out: 302.291+/-0.111  $\chi^2/\text{NDF}$ : 370067.0/10

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

302.291+/-0.111  $\chi^2/\text{NDF}$ : 370067.0/10

# asym\_bpm0l03WS\_mean vs slug



Right In: -24.759+/-252.535  $\chi^2/\text{NDF}$ : 18.0/9

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

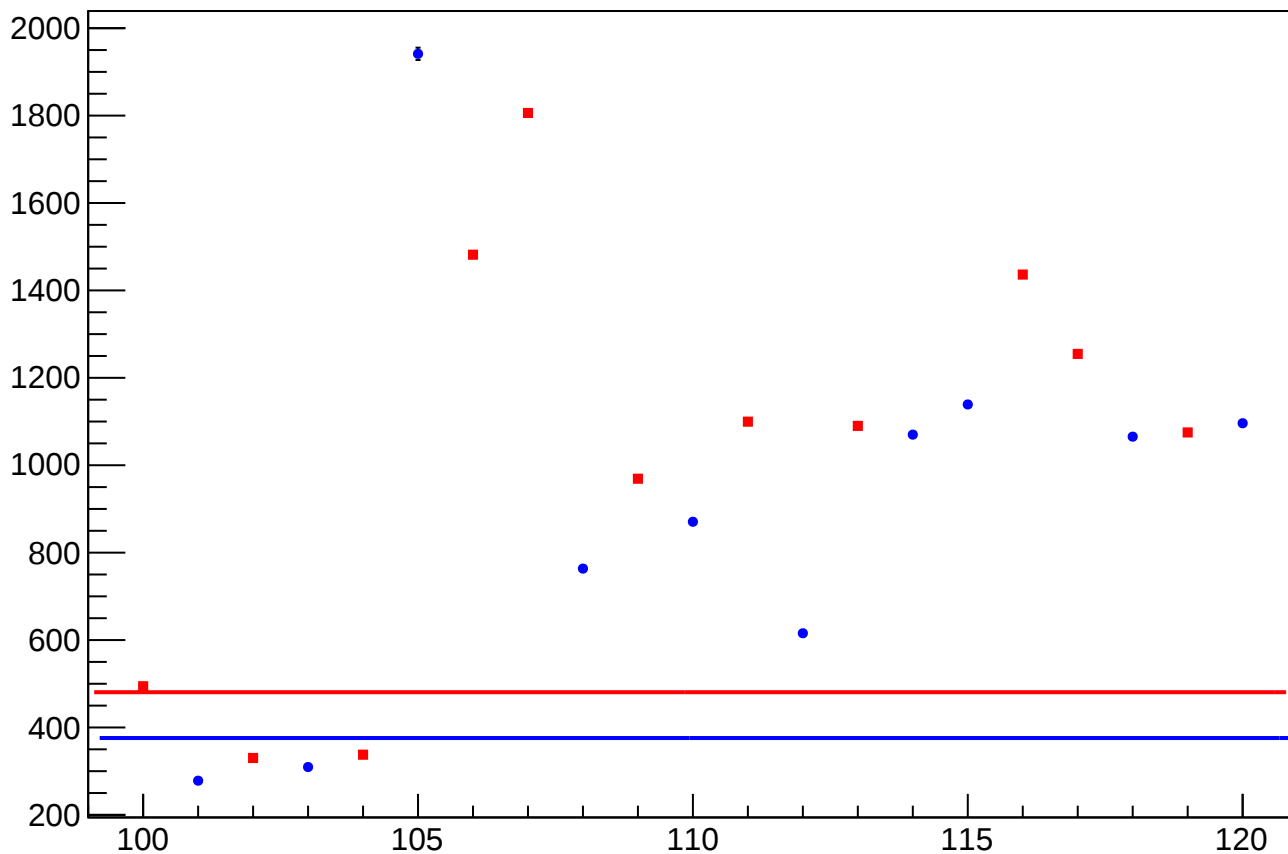
Right Out: 459.885+/-297.799  $\chi^2/\text{NDF}$ : 6.3/10

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

-24.759+/-252.535  $\chi^2/\text{NDF}$ : 18.0/9

459.885+/-297.799  $\chi^2/\text{NDF}$ : 6.3/10

# asym\_bpm0l03WS\_rms vs slug



Right In: 375.854+/-0.179  $\chi^2/\text{NDF}$ : 1422974.3/9

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

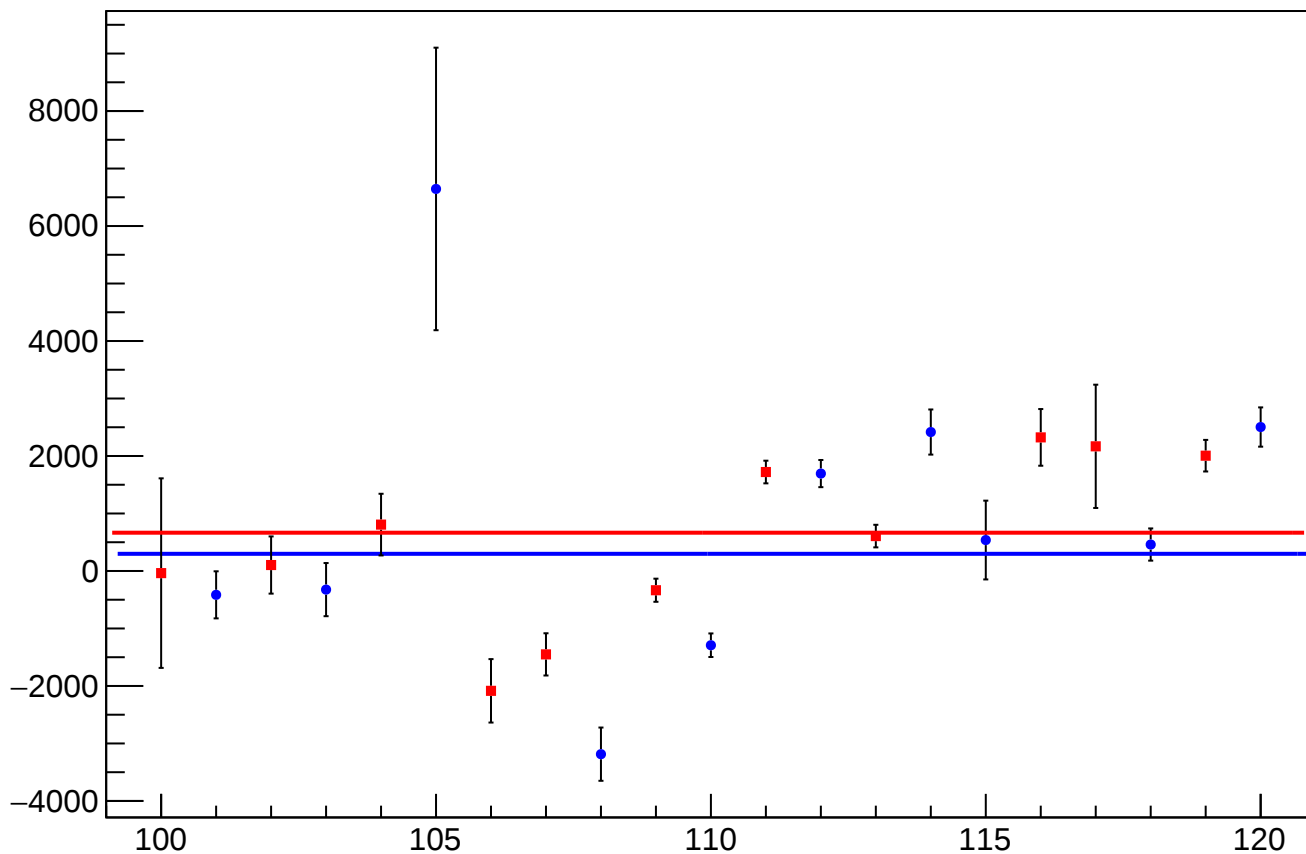
Right Out: 480.678+/-0.211  $\chi^2/\text{NDF}$ : 2329794.9/10

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

375.854+/-0.179  $\chi^2/\text{NDF}$ : 1422974.3/9

480.678+/-0.211  $\chi^2/\text{NDF}$ : 2329794.9/10

# asym\_bpm0l04WS\_mean vs slug



Right In: 298.558+/-107.134  $\chi^2$ /NDF: 234.4/9

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

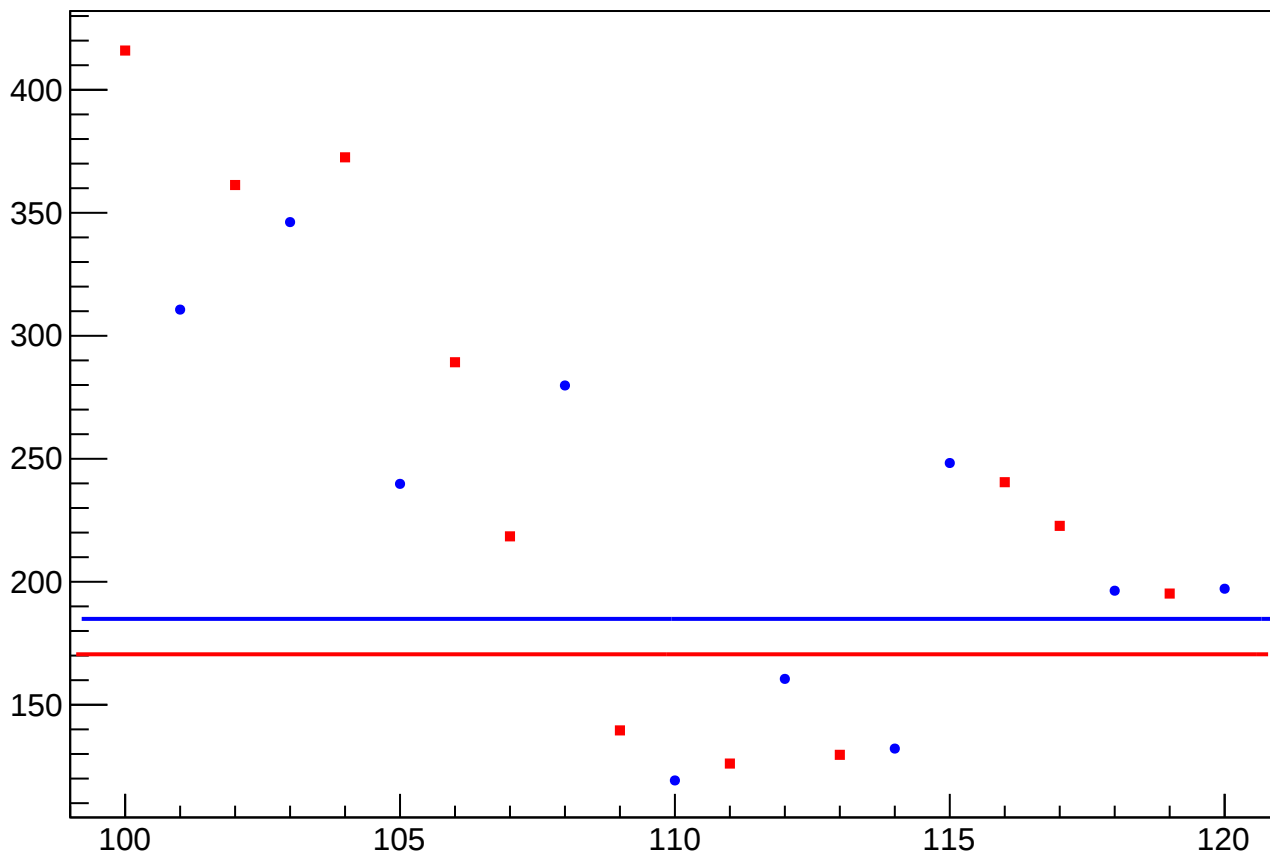
Right Out: 665.816+/-93.961  $\chi^2$ /NDF: 150.2/10

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

298.558+/-107.134  $\chi^2$ /NDF: 234.4/9

665.816+/-93.961  $\chi^2$ /NDF: 150.2/10

# asym\_bpm0l04WS\_rms vs slug



Right In: 184.917+/-0.076  $\chi^2/\text{NDF}$ : 802789.0/9

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

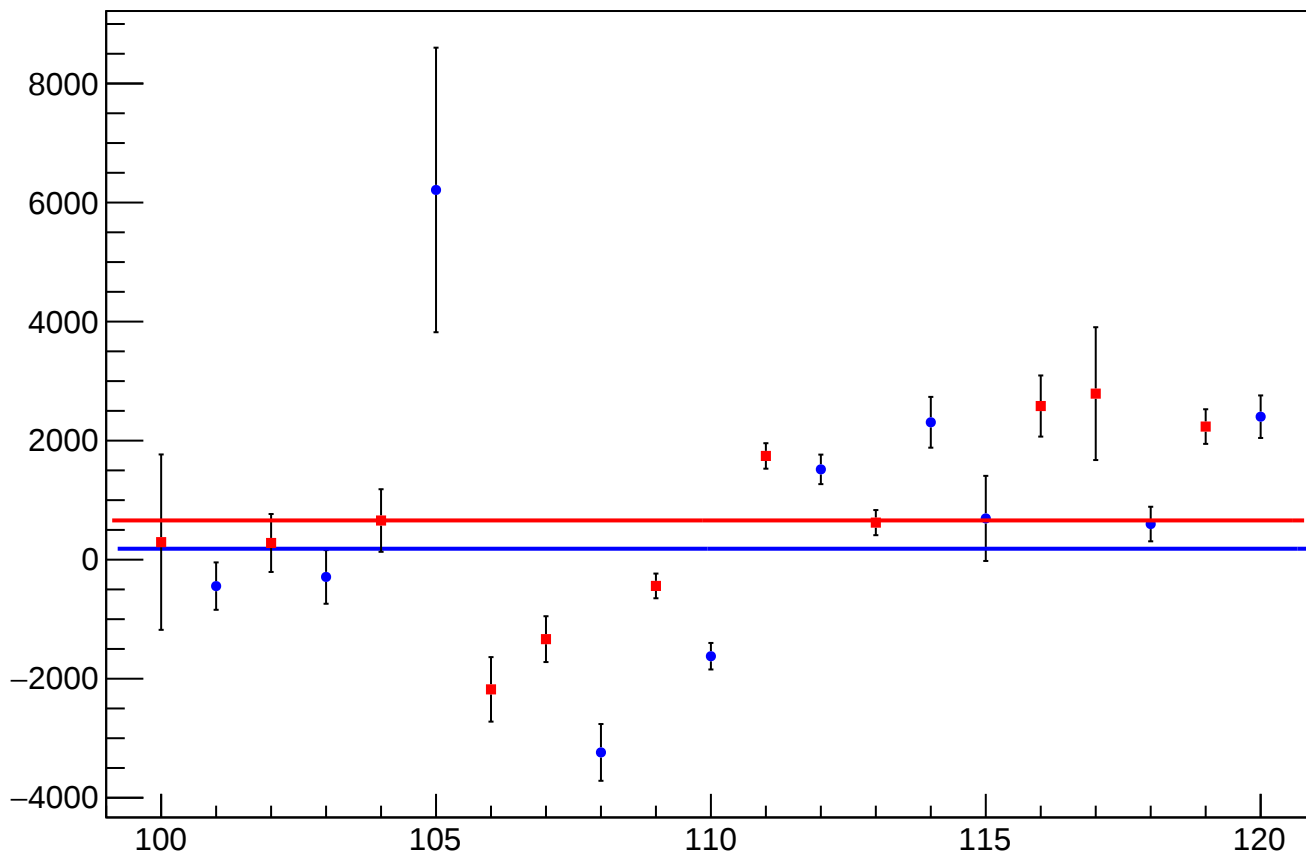
184.917+/-0.076  $\chi^2/\text{NDF}$ : 802789.0/9

Right Out: 170.525+/-0.066  $\chi^2/\text{NDF}$ : 1045826.7/10

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

170.525+/-0.066  $\chi^2/\text{NDF}$ : 1045826.7/10

# asym\_bpm0l05WS\_mean vs slug



Right In: 183.756+/-112.252  $\chi^2/\text{NDF}$ : 221.9/9

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

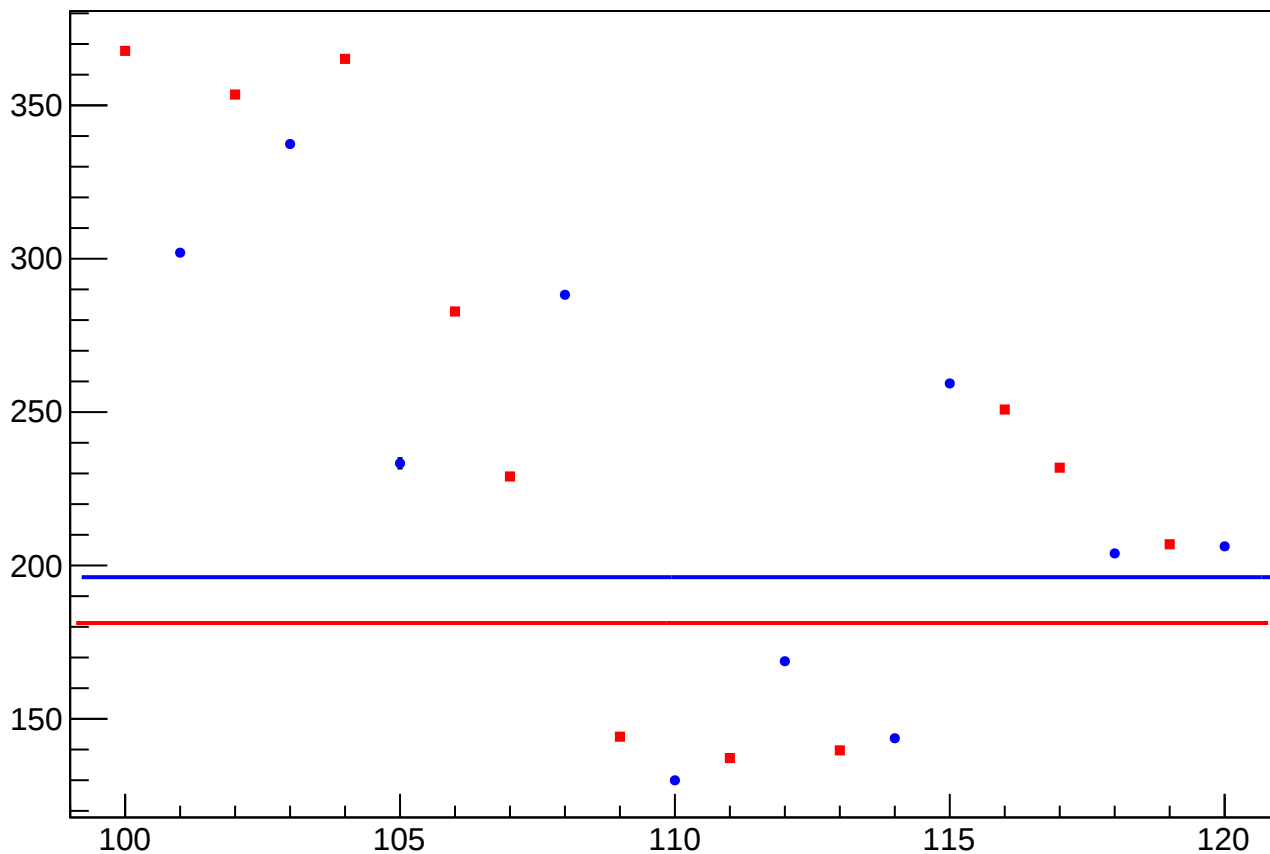
Right Out: 659.204+/-98.839  $\chi^2/\text{NDF}$ : 155.8/10

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

183.756+/-112.252  $\chi^2/\text{NDF}$ : 221.9/9

659.204+/-98.839  $\chi^2/\text{NDF}$ : 155.8/10

# asym\_bpm0l05WS\_rms vs slug



Right In: 196.189+/-0.079  $\chi^2/\text{NDF}$ : 662528.8/9

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

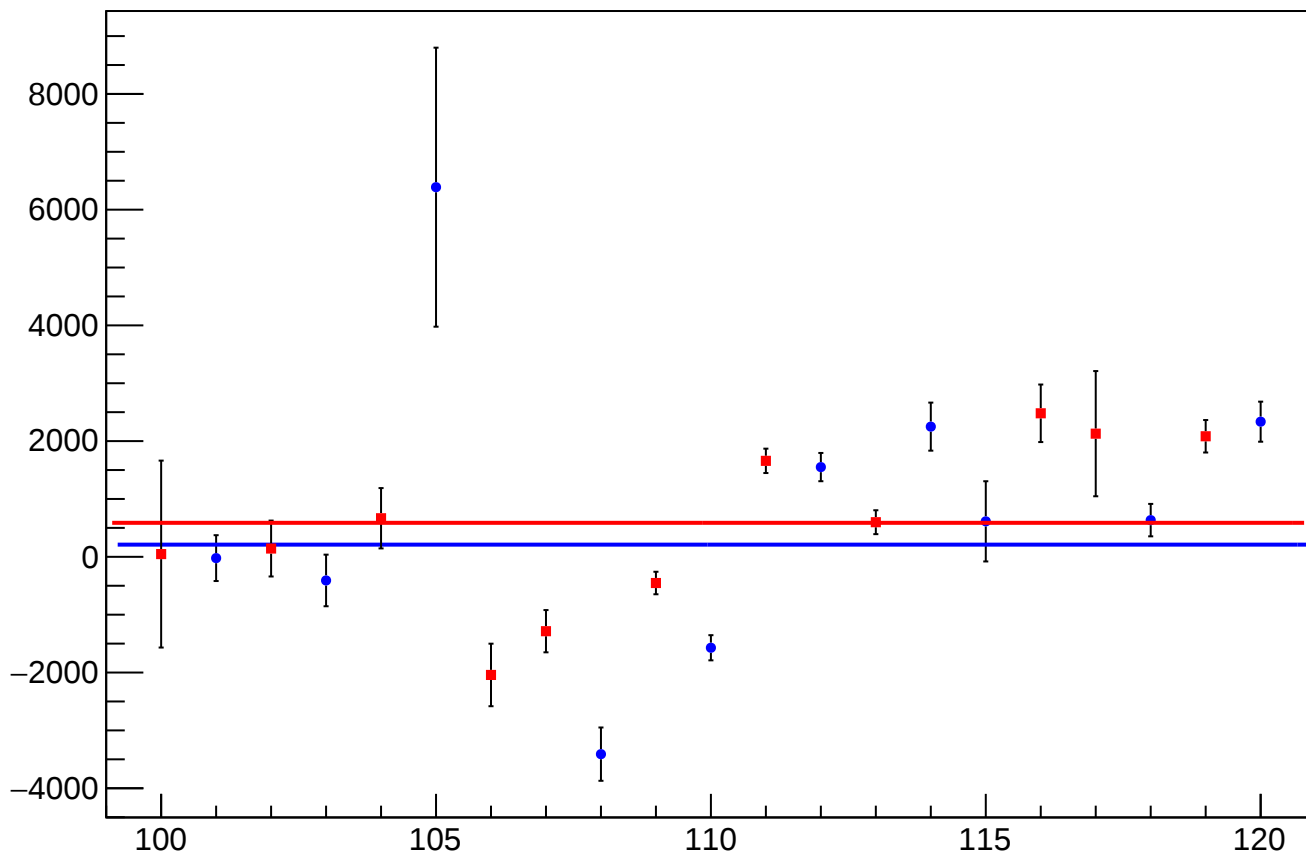
Right Out: 181.249+/-0.070  $\chi^2/\text{NDF}$ : 910320.1/10

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

196.189+/-0.079  $\chi^2/\text{NDF}$ : 662528.8/9

181.249+/-0.070  $\chi^2/\text{NDF}$ : 910320.1/10

# asym\_bpm0l06WS\_mean vs slug



Right In: 210.599+/-109.664  $\chi^2/\text{NDF}$ : 232.3/9

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

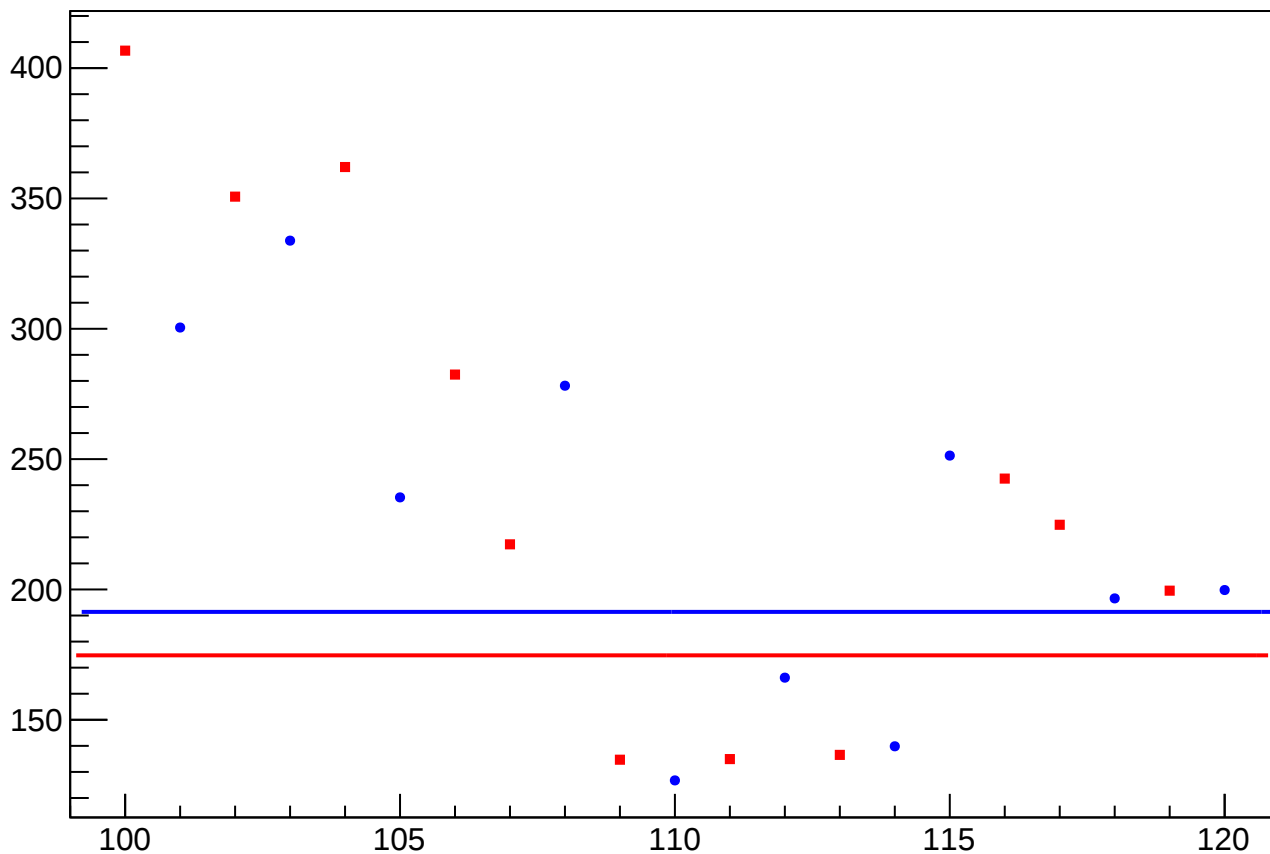
Right Out: 587.612+/-95.643  $\chi^2/\text{NDF}$ : 150.4/10

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

210.599+/-109.664  $\chi^2/\text{NDF}$ : 232.3/9

587.612+/-95.643  $\chi^2/\text{NDF}$ : 150.4/10

# asym\_bpm0l06WS\_rms vs slug



Right In: 191.395+/-0.078  $\chi^2/\text{NDF}$ : 672952.7/9

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

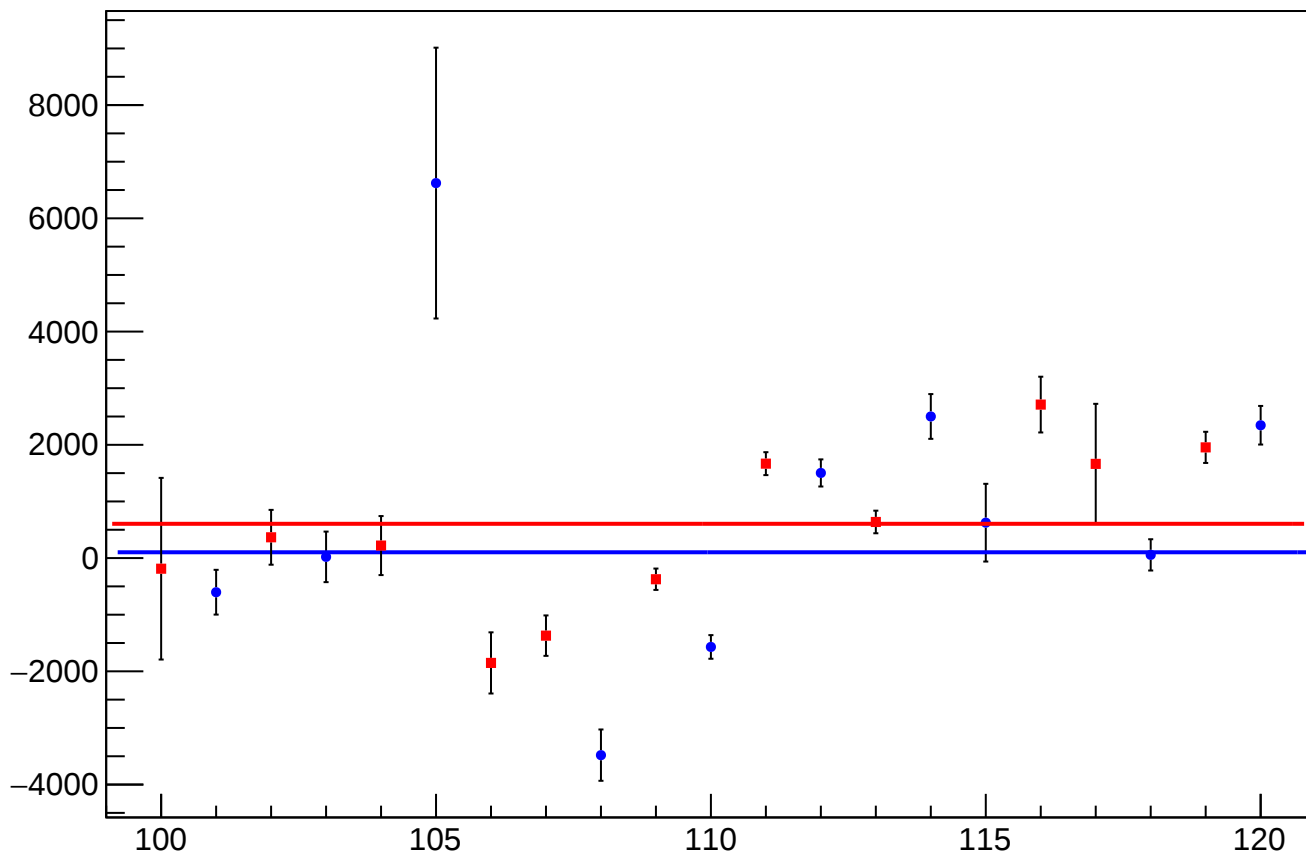
Right Out: 174.725+/-0.068  $\chi^2/\text{NDF}$ : 953119.2/10

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

191.395+/-0.078  $\chi^2/\text{NDF}$ : 672952.7/9

174.725+/-0.068  $\chi^2/\text{NDF}$ : 953119.2/10

# asym\_bpm0l07WS\_mean vs slug



Right In: 102.375+/-107.166  $\chi^2/\text{NDF}$ : 252.2/9

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

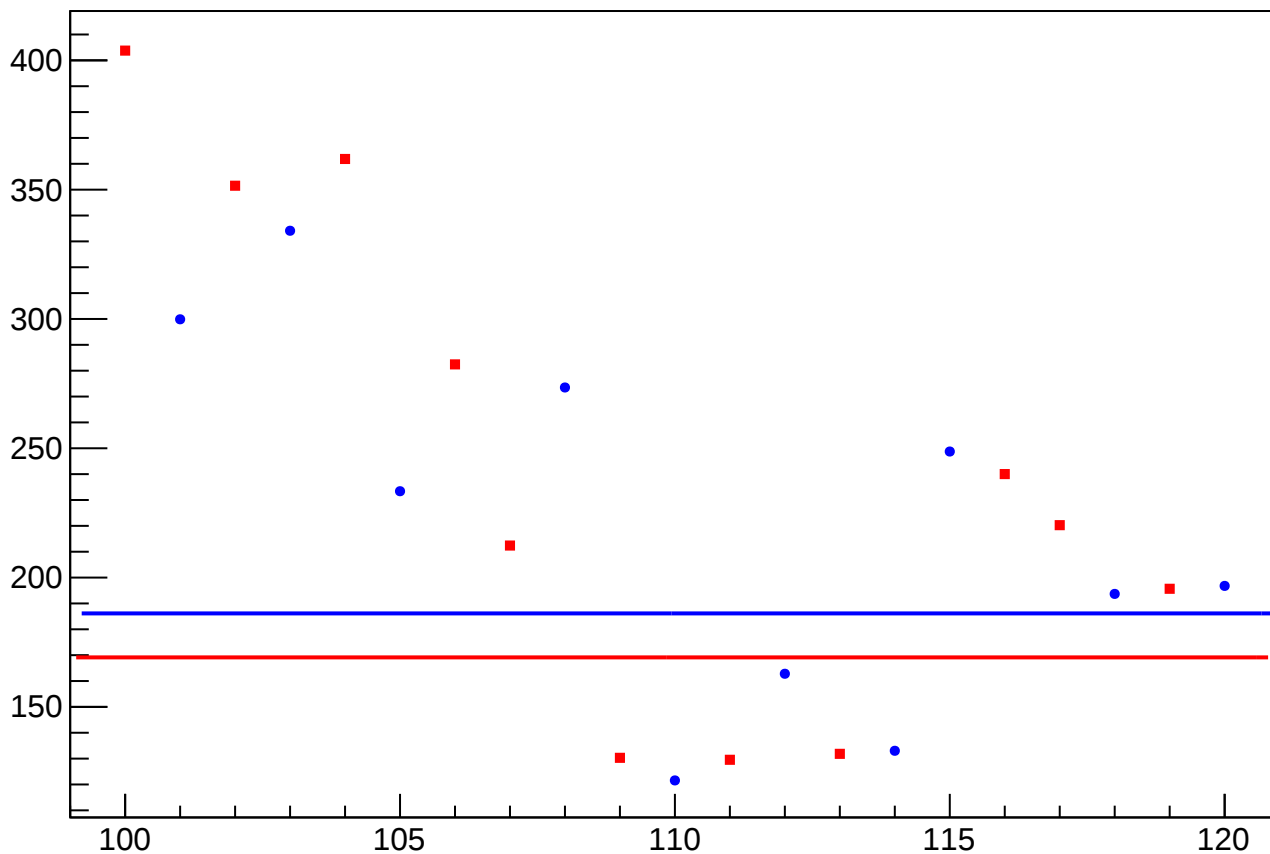
Right Out: 605.252+/-93.060  $\chi^2/\text{NDF}$ : 150.2/10

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

102.375+/-107.166  $\chi^2/\text{NDF}$ : 252.2/9

605.252+/-93.060  $\chi^2/\text{NDF}$ : 150.2/10

# asym\_bpm0l07WS\_rms vs slug



Right In: 186.148 $\pm$ 0.076  $\chi^2$ /NDF: 726989.7/9

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

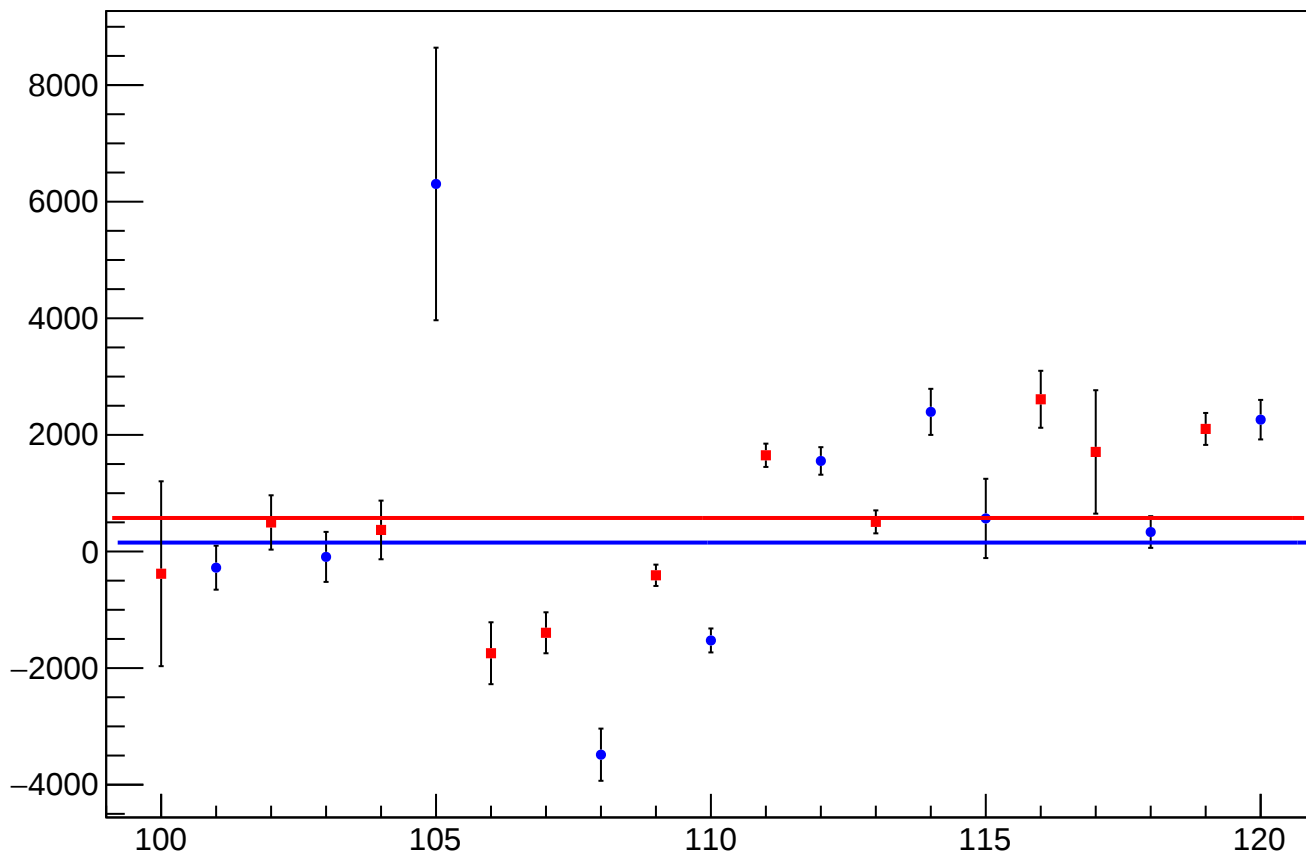
186.148 $\pm$ 0.076  $\chi^2$ /NDF: 726989.7/9

Right Out: 169.141 $\pm$ 0.066  $\chi^2$ /NDF: 1013445.5/10

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

169.141 $\pm$ 0.066  $\chi^2$ /NDF: 1013445.5/10

# asym\_bpm0l08WS\_mean vs slug



Right In: 152.955+/-105.375  $\chi^2/\text{NDF}$ : 248.2/9

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

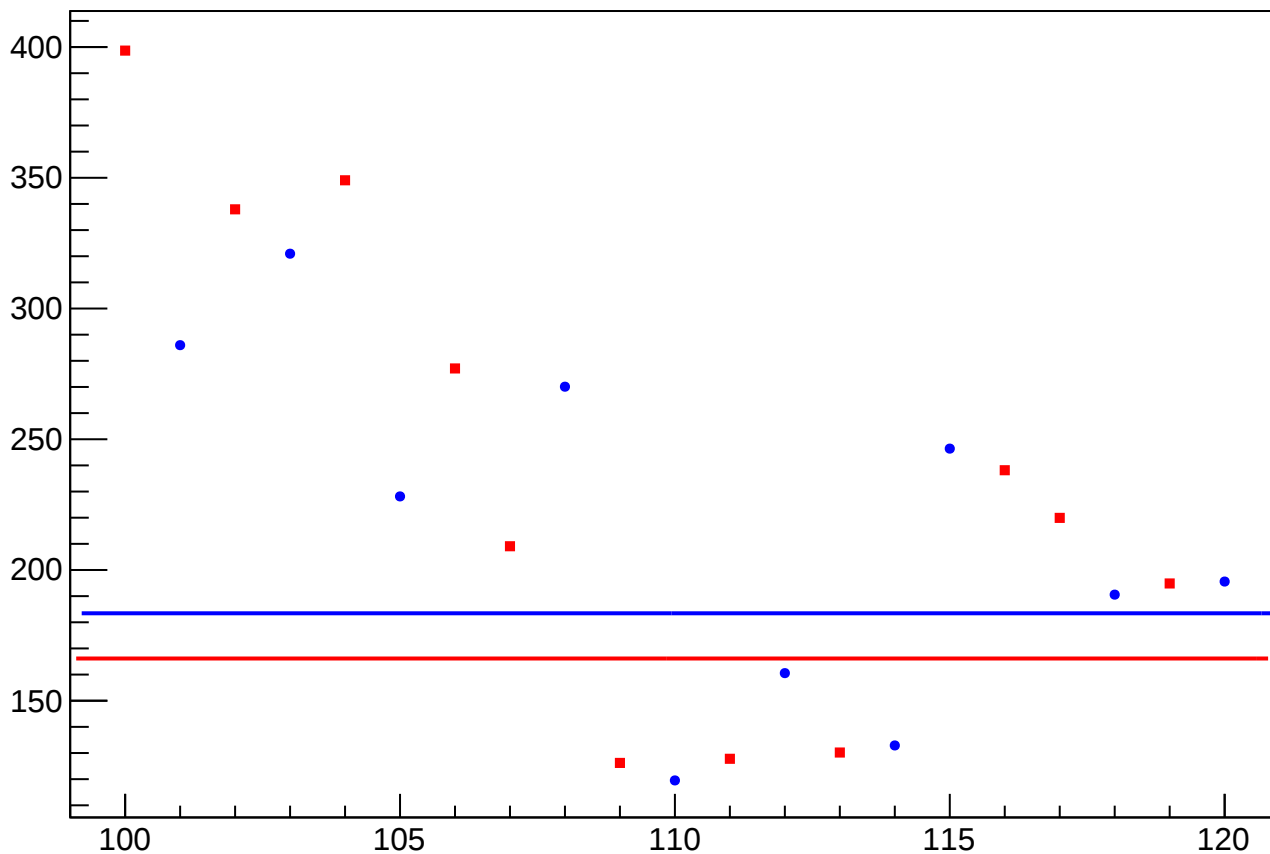
Right Out: 574.843+/-91.411  $\chi^2/\text{NDF}$ : 158.6/10

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

152.955+/-105.375  $\chi^2/\text{NDF}$ : 248.2/9

574.843+/-91.411  $\chi^2/\text{NDF}$ : 158.6/10

# asym\_bpm0l08WS\_rms vs slug



Right In: 183.440+/-0.075  $\chi^2/\text{NDF}$ : 695289.5/9

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

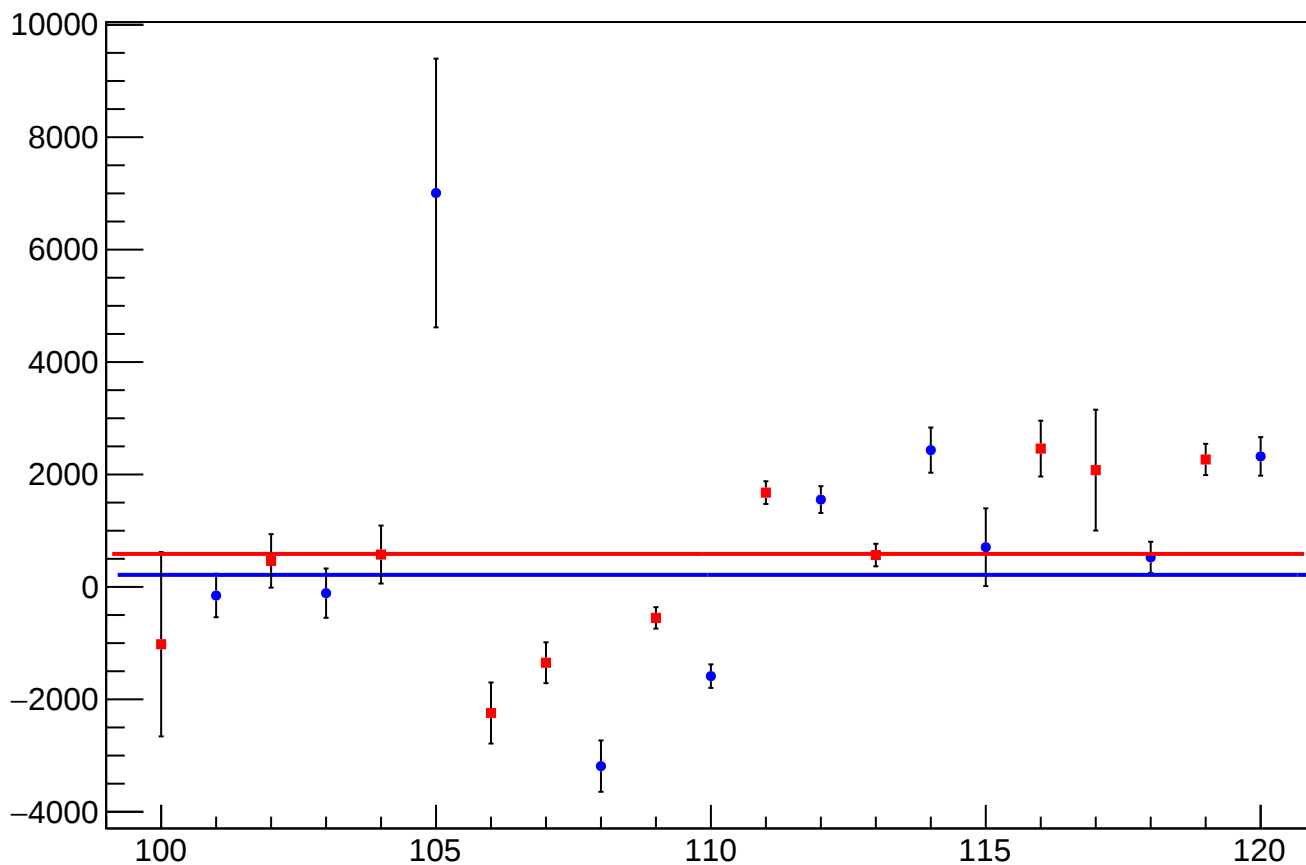
183.440+/-0.075  $\chi^2/\text{NDF}$ : 695289.5/9

Right Out: 166.146+/-0.065  $\chi^2/\text{NDF}$ : 1002676.5/10

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

166.146+/-0.065  $\chi^2/\text{NDF}$ : 1002676.5/10

# asym\_bpm0l09WS\_mean vs slug



Right In: 214.053+/-107.097  $\chi^2/\text{NDF}$ : 240.9/9

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

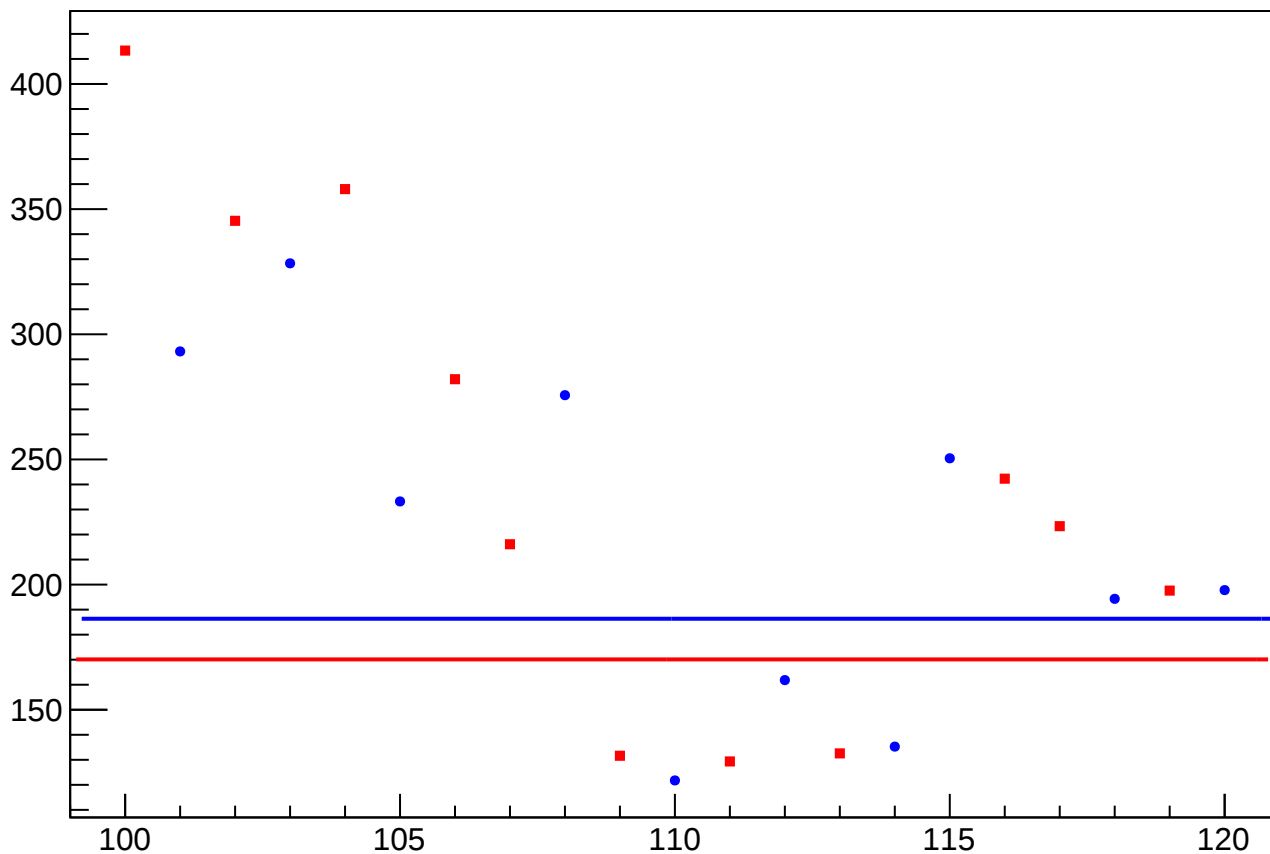
Right Out: 586.983+/-93.526  $\chi^2/\text{NDF}$ : 174.1/10

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

214.053+/-107.097  $\chi^2/\text{NDF}$ : 240.9/9

586.983+/-93.526  $\chi^2/\text{NDF}$ : 174.1/10

# asym\_bpm0l09WS\_rms vs slug



Right In: 186.357+/-0.076  $\chi^2/\text{NDF}$ : 704792.6/9

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

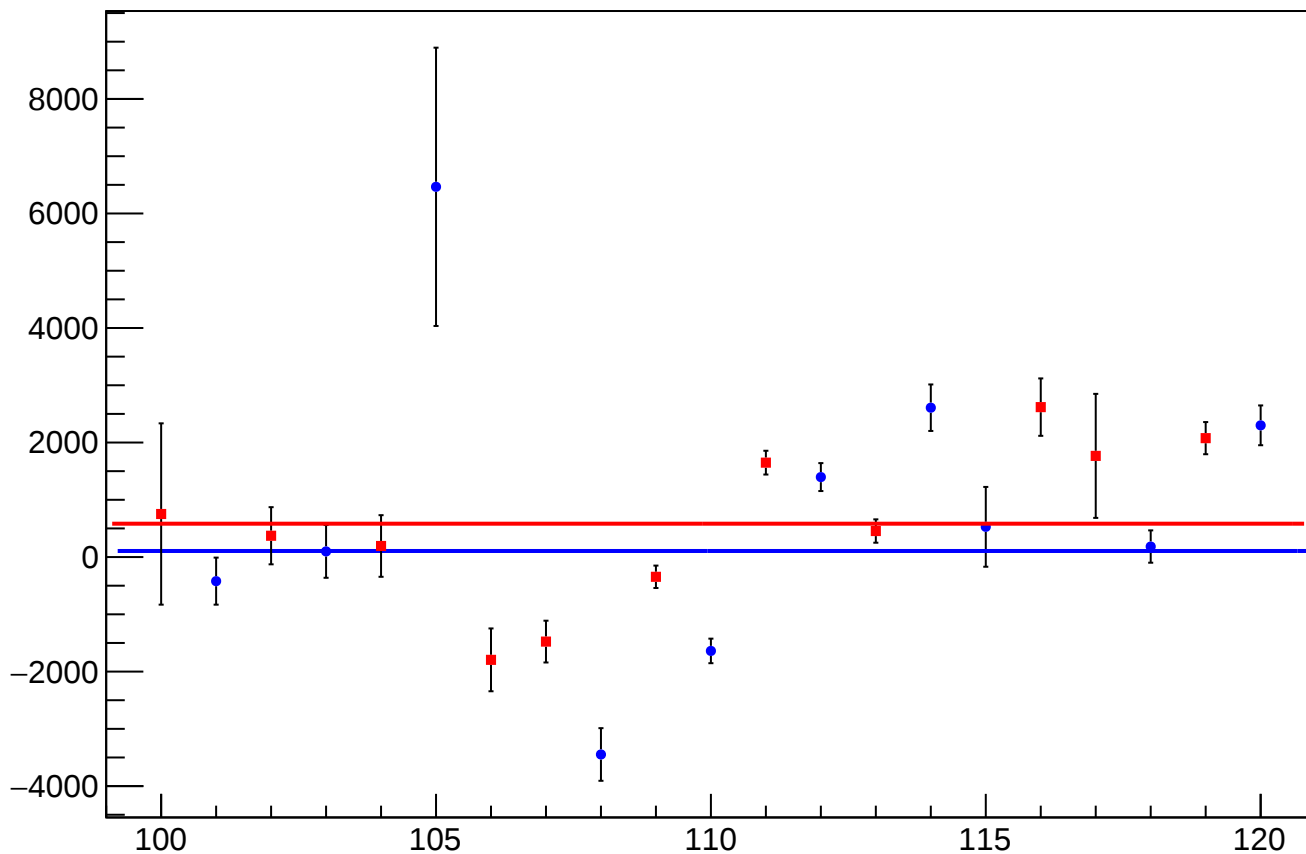
186.357+/-0.076  $\chi^2/\text{NDF}$ : 704792.6/9

Right Out: 170.114+/-0.066  $\chi^2/\text{NDF}$ : 997716.3/10

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

170.114+/-0.066  $\chi^2/\text{NDF}$ : 997716.3/10

# asym\_bpm0l10WS\_mean vs slug



Right In: 106.050+/-109.723  $\chi^2/\text{NDF}$ : 240.8/9

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

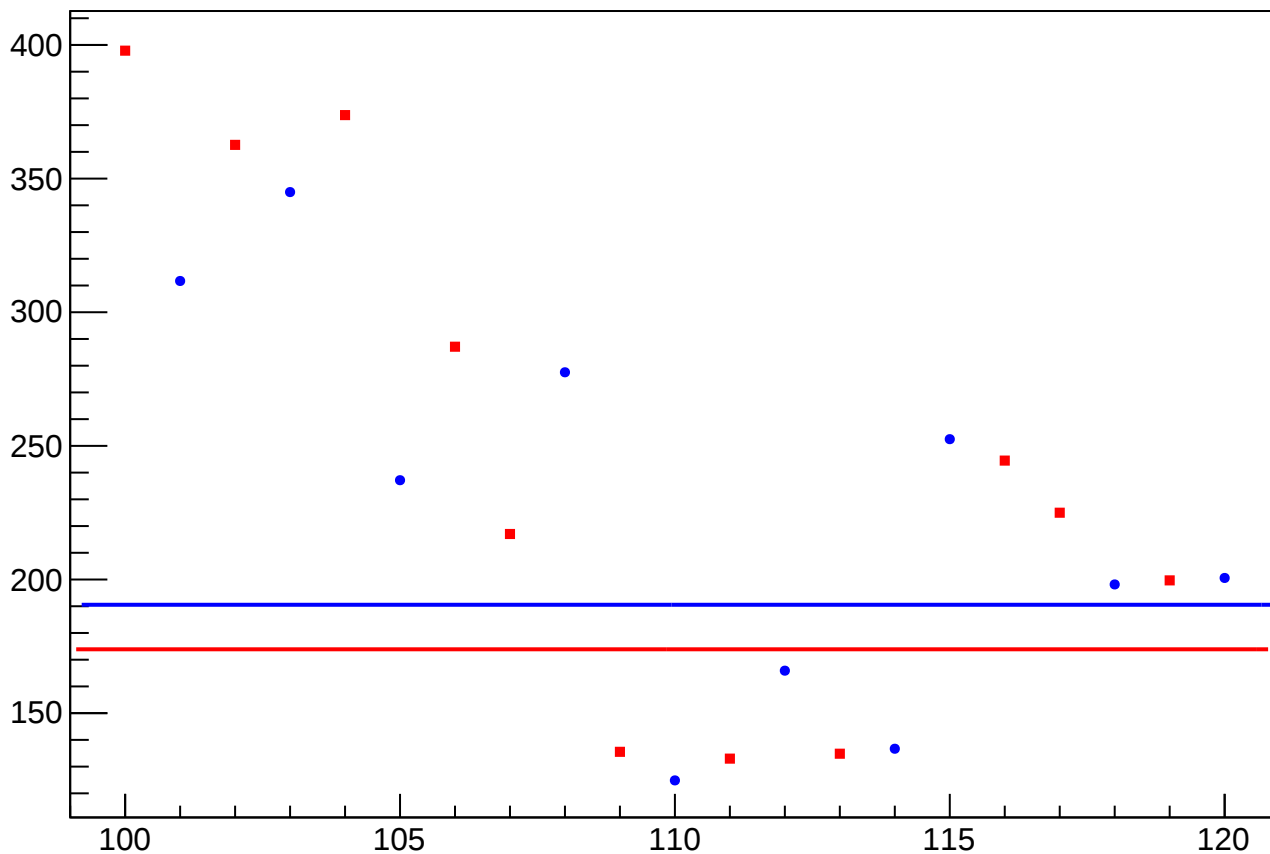
Right Out: 582.693+/-95.536  $\chi^2/\text{NDF}$ : 146.6/10

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

106.050+/-109.723  $\chi^2/\text{NDF}$ : 240.8/9

582.693+/-95.536  $\chi^2/\text{NDF}$ : 146.6/10

# asym\_bpm0l10WS\_rms vs slug



Right In: 190.551 $\pm$ 0.078  $\chi^2$ /NDF: 733507.7/9

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

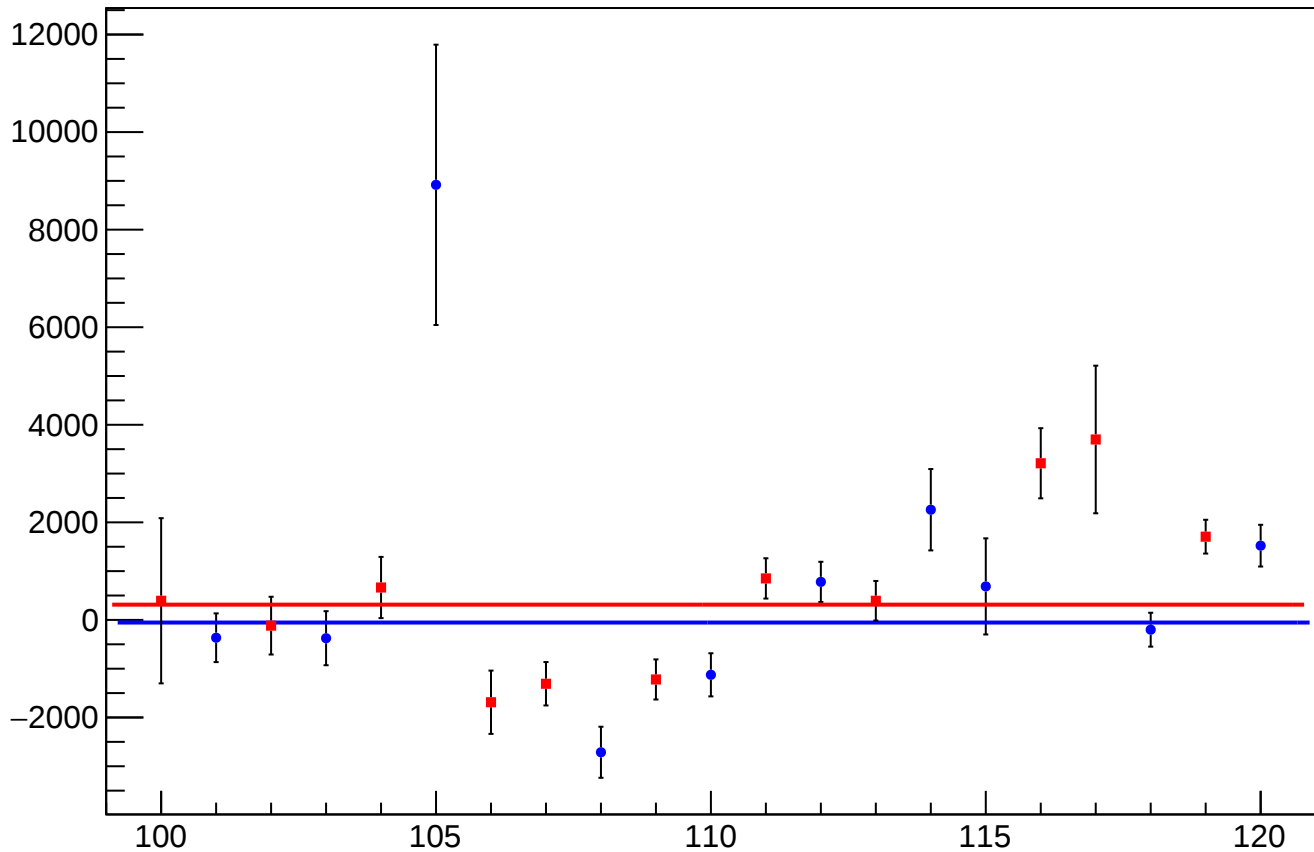
190.551 $\pm$ 0.078  $\chi^2$ /NDF: 733507.7/9

Right Out: 173.892 $\pm$ 0.068  $\chi^2$ /NDF: 1003940.9/10

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

173.892 $\pm$ 0.068  $\chi^2$ /NDF: 1003940.9/10

# asym\_bpm0r03WS\_mean vs slug



Right In: -53.949 $\pm$ 161.661  $\chi^2$ /NDF: 68.3/9

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

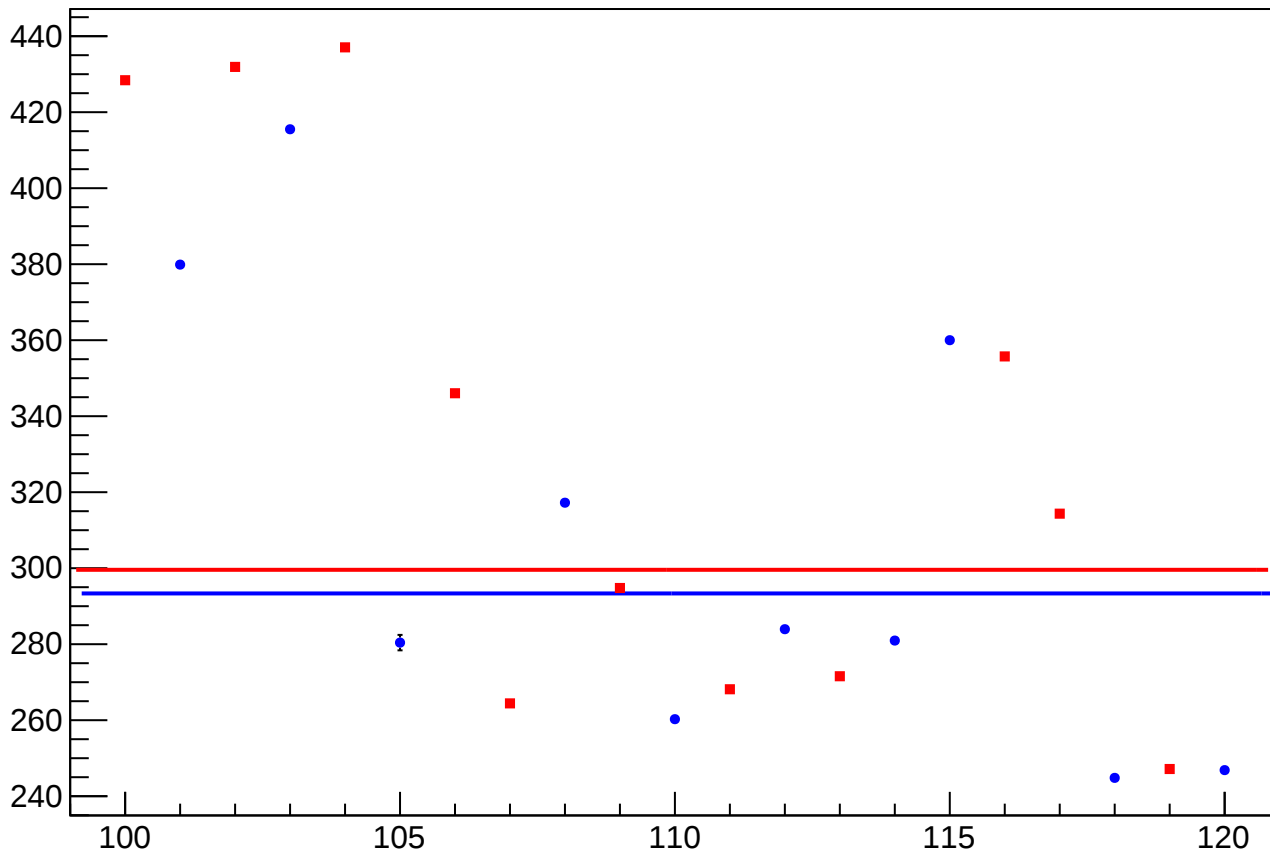
Right Out: 312.907 $\pm$ 154.791  $\chi^2$ /NDF: 76.8/10

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

-53.949 $\pm$ 161.661  $\chi^2$ /NDF: 68.3/9

312.907 $\pm$ 154.791  $\chi^2$ /NDF: 76.8/10

# asym\_bpm0r03WS\_rms vs slug



Right In: 293.357+/-0.114  $\chi^2/\text{NDF}$ : 245919.6/9

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

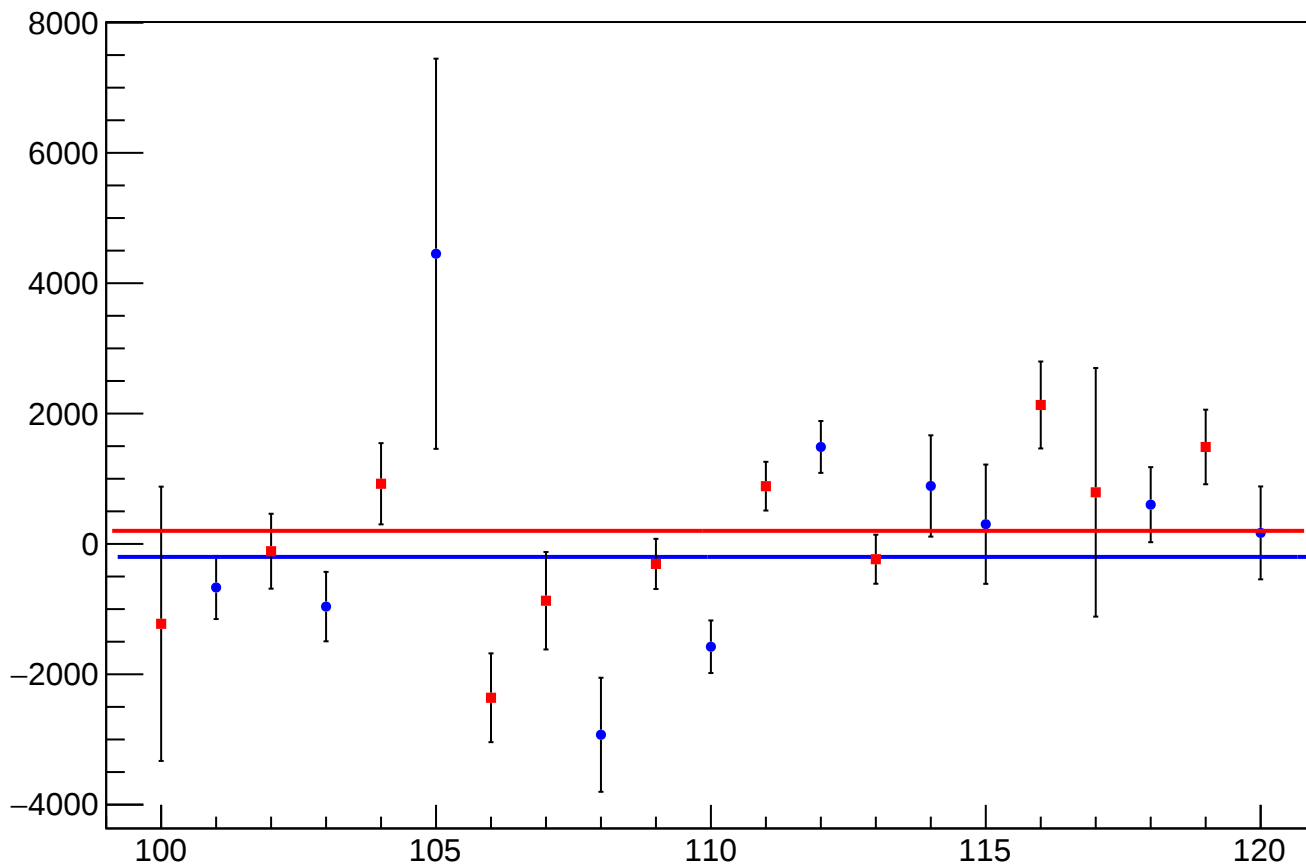
293.357+/-0.114  $\chi^2/\text{NDF}$ : 245919.6/9

Right Out: 299.577+/-0.109  $\chi^2/\text{NDF}$ : 309935.0/10

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

299.577+/-0.109  $\chi^2/\text{NDF}$ : 309935.0/10

# asym\_bpm0r05WS\_mean vs slug



Right In: -199.077+/-184.063  $\chi^2/\text{NDF}$ : 49.3/9

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

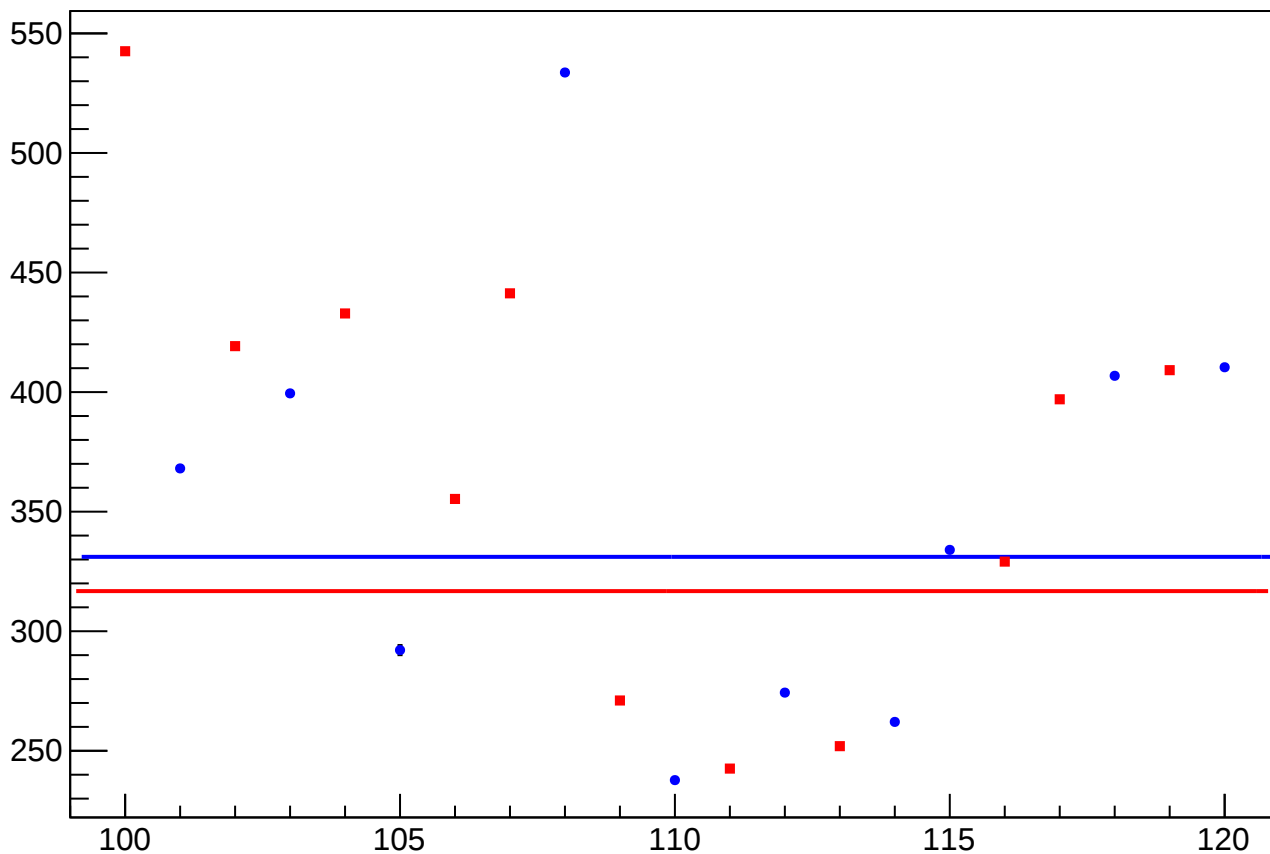
Right Out: 200.803+/-165.919  $\chi^2/\text{NDF}$ : 38.3/10

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

-199.077+/-184.063  $\chi^2/\text{NDF}$ : 49.3/9

200.803+/-165.919  $\chi^2/\text{NDF}$ : 38.3/10

# asym\_bpm0r05WS\_rms vs slug



Right In: 331.106+/-0.130  $\chi^2/\text{NDF}$ : 375190.7/9

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

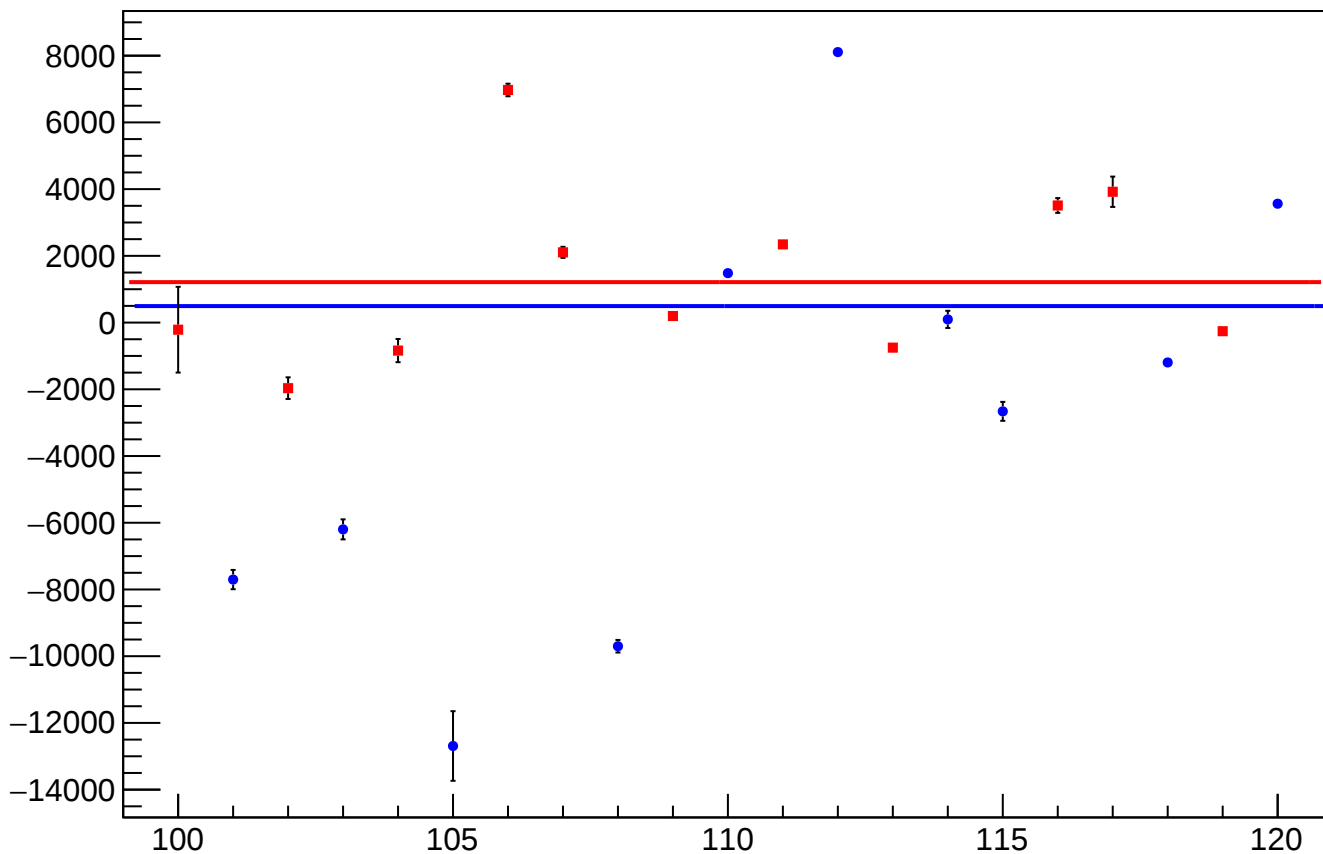
331.106+/-0.130  $\chi^2/\text{NDF}$ : 375190.7/9

Right Out: 316.779+/-0.117  $\chi^2/\text{NDF}$ : 440810.6/10

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

316.779+/-0.117  $\chi^2/\text{NDF}$ : 440810.6/10

# asym\_bpm1i04WS\_mean vs slug



Right In: 494.204+/-56.837  $\chi^2/\text{NDF}$ : 8517.4/9

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

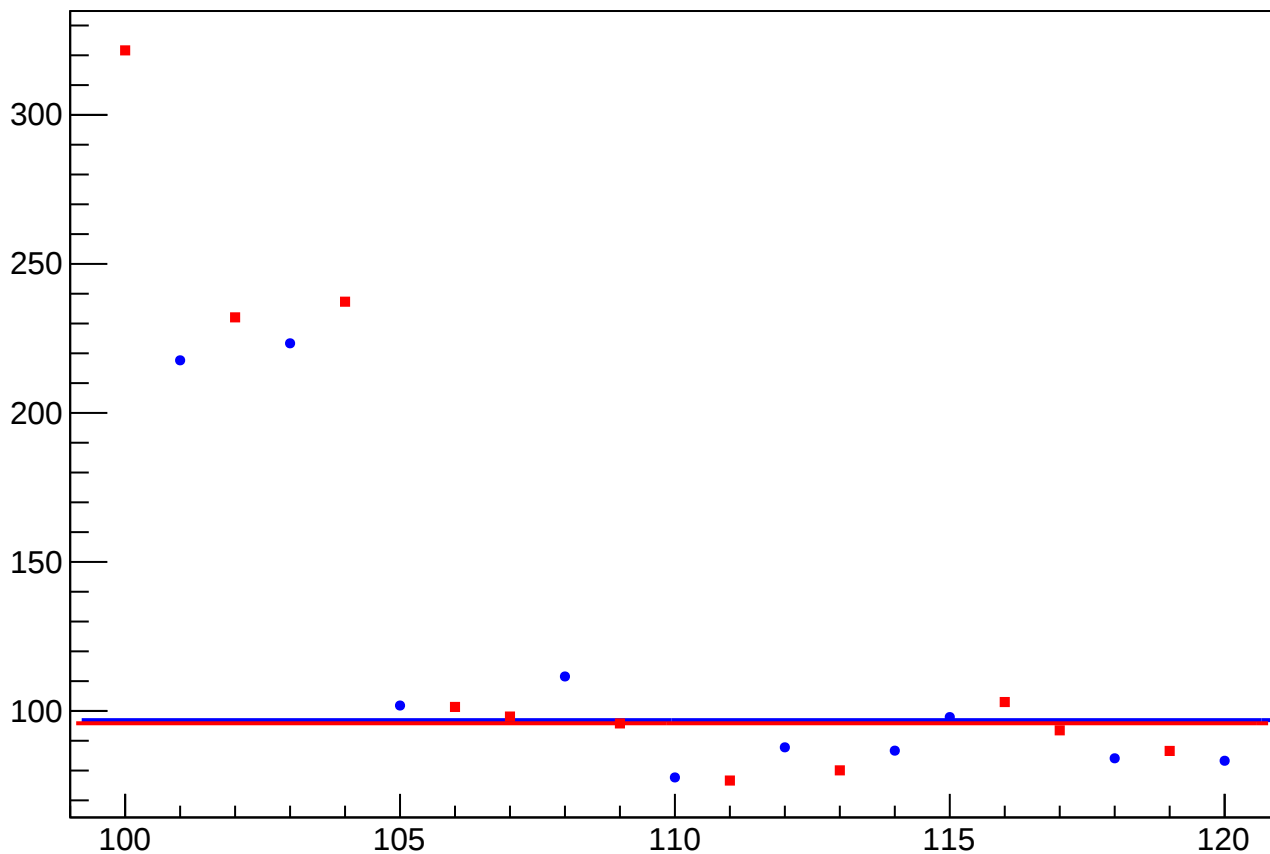
Right Out: 1212.325+/-52.551  $\chi^2/\text{NDF}$ : 1777.0/10

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

494.204+/-56.837  $\chi^2/\text{NDF}$ : 8517.4/9

1212.325+/-52.551  $\chi^2/\text{NDF}$ : 1777.0/10

# asym\_bpm1i04WS\_rms vs slug



Right In: 96.913+/-0.040  $\chi^2/\text{NDF}$ : 810987.2/9

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

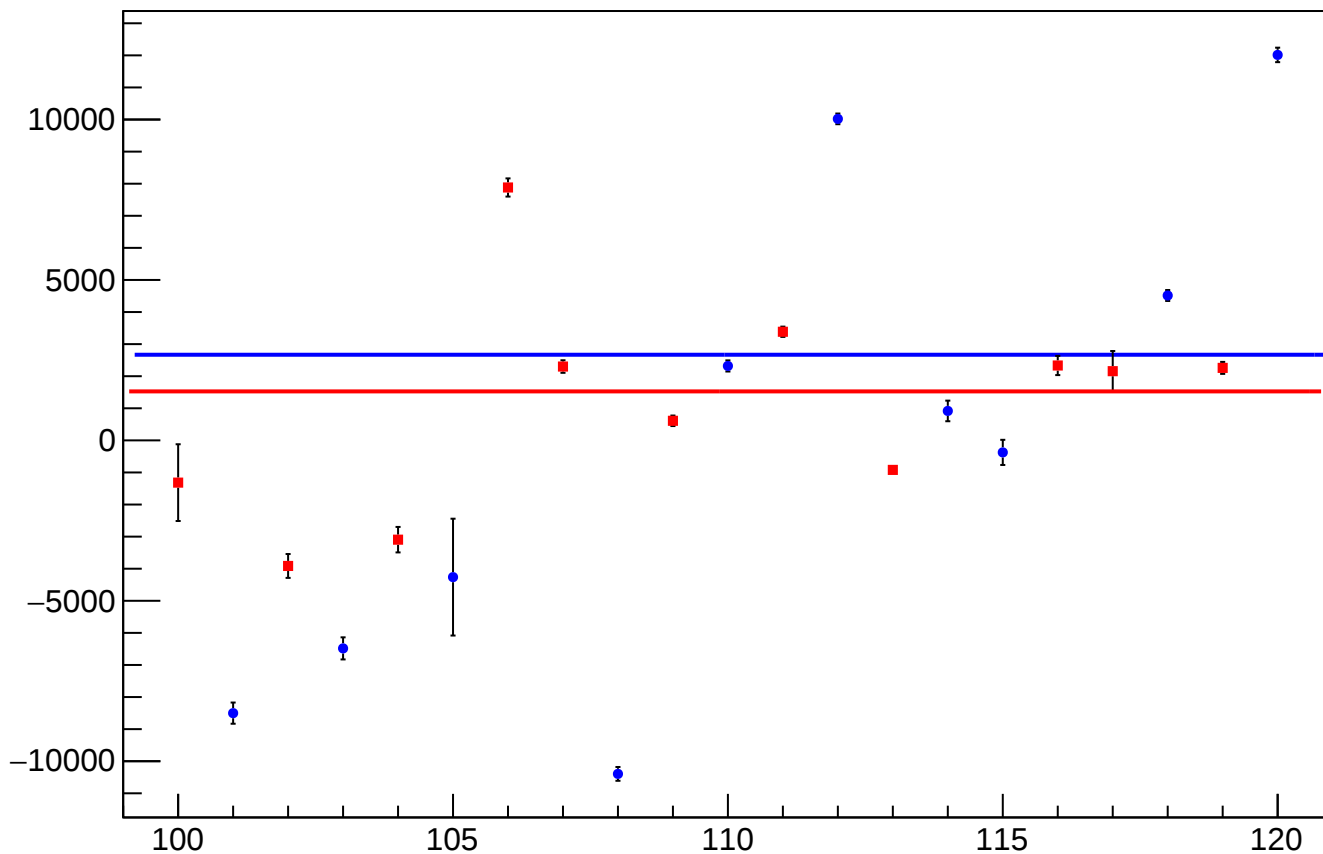
Right Out: 95.864+/-0.037  $\chi^2/\text{NDF}$ : 842110.7/10

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

96.913+/-0.040  $\chi^2/\text{NDF}$ : 810987.2/9

95.864+/-0.037  $\chi^2/\text{NDF}$ : 842110.7/10

# asym\_bpm1i06WS\_mean vs slug



Right In: 2668.975+/-74.758  $\chi^2/\text{NDF}$ : 9424.3/9

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

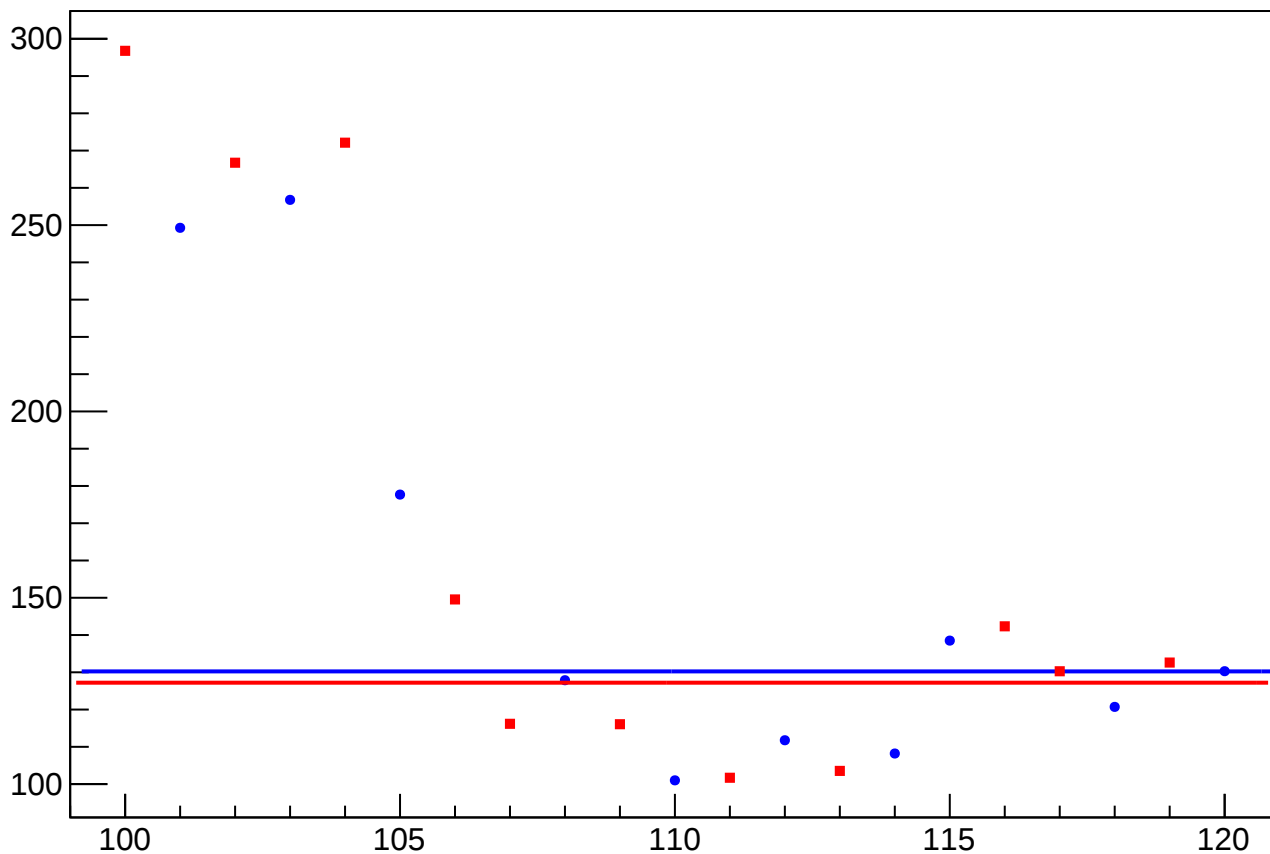
Right Out: 1526.548+/-68.672  $\chi^2/\text{NDF}$ : 1305.7/10

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

2668.975+/-74.758  $\chi^2/\text{NDF}$ : 9424.3/9

1526.548+/-68.672  $\chi^2/\text{NDF}$ : 1305.7/10

# asym\_bpm1i06WS\_rms vs slug



Right In: 130.241+/-0.053  $\chi^2/\text{NDF}$ : 629381.9/9

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

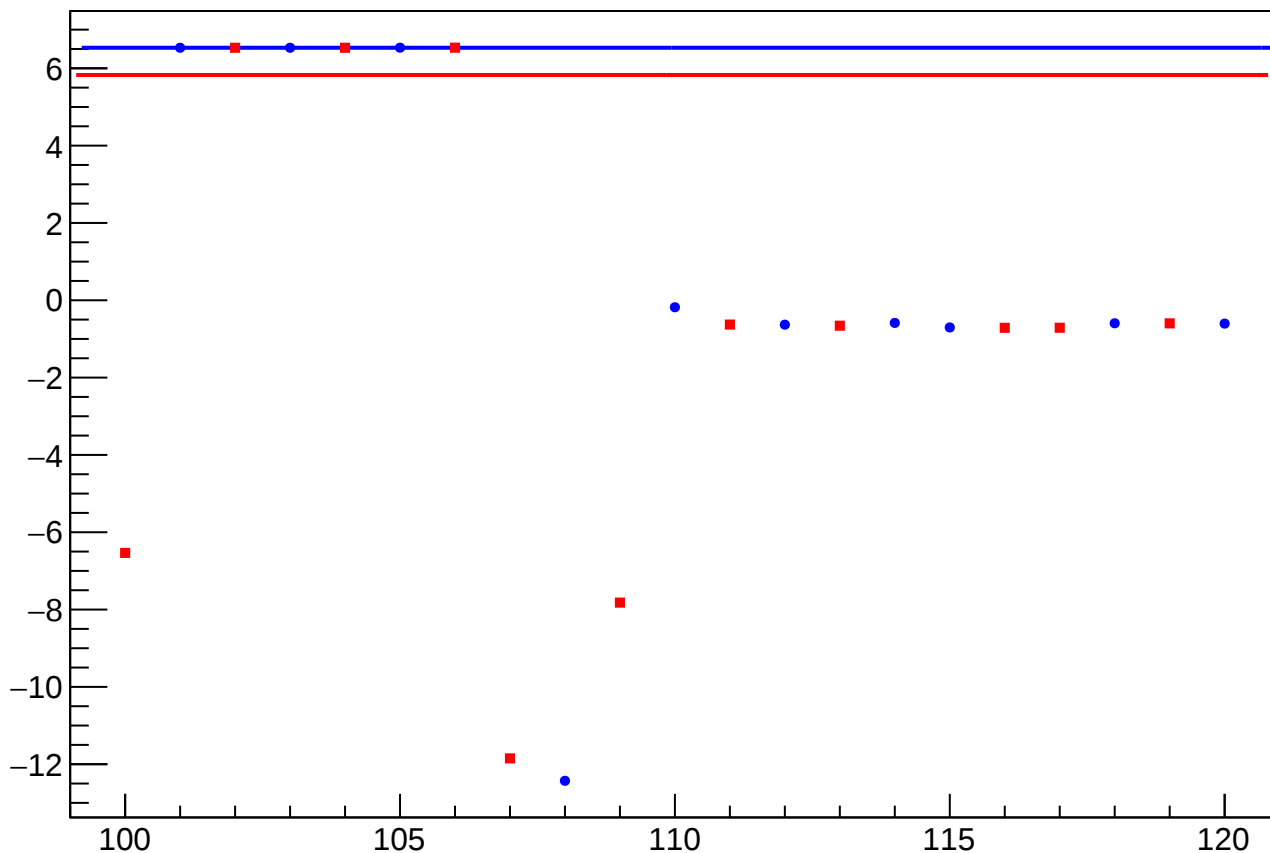
Right Out: 127.209+/-0.049  $\chi^2/\text{NDF}$ : 718978.0/10

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

130.241+/-0.053  $\chi^2/\text{NDF}$ : 629381.9/9

127.209+/-0.049  $\chi^2/\text{NDF}$ : 718978.0/10

# yield\_cav4bX\_mean vs slug



Right In: 6.532+/-0.000  $\chi^2/\text{NDF}$ : 48291394303.9/9

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

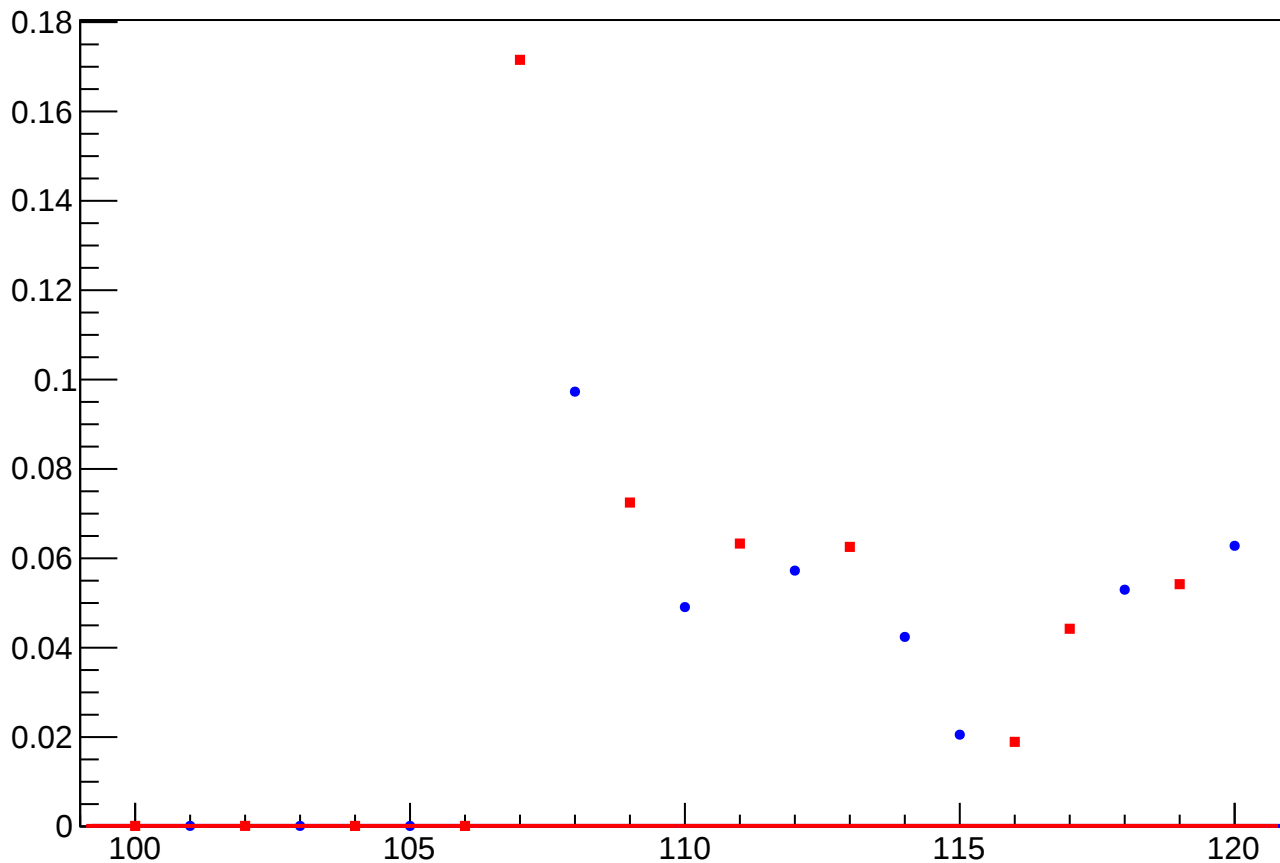
Right Out: 5.828+/-0.000  $\chi^2/\text{NDF}$ : 755891783371375.2/10

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

6.532+/-0.000  $\chi^2/\text{NDF}$ : 48291394303.9/9

5.828+/-0.000  $\chi^2/\text{NDF}$ : 755891783371375.2/10

# yield\_cav4bX\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 3799765.9/9

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

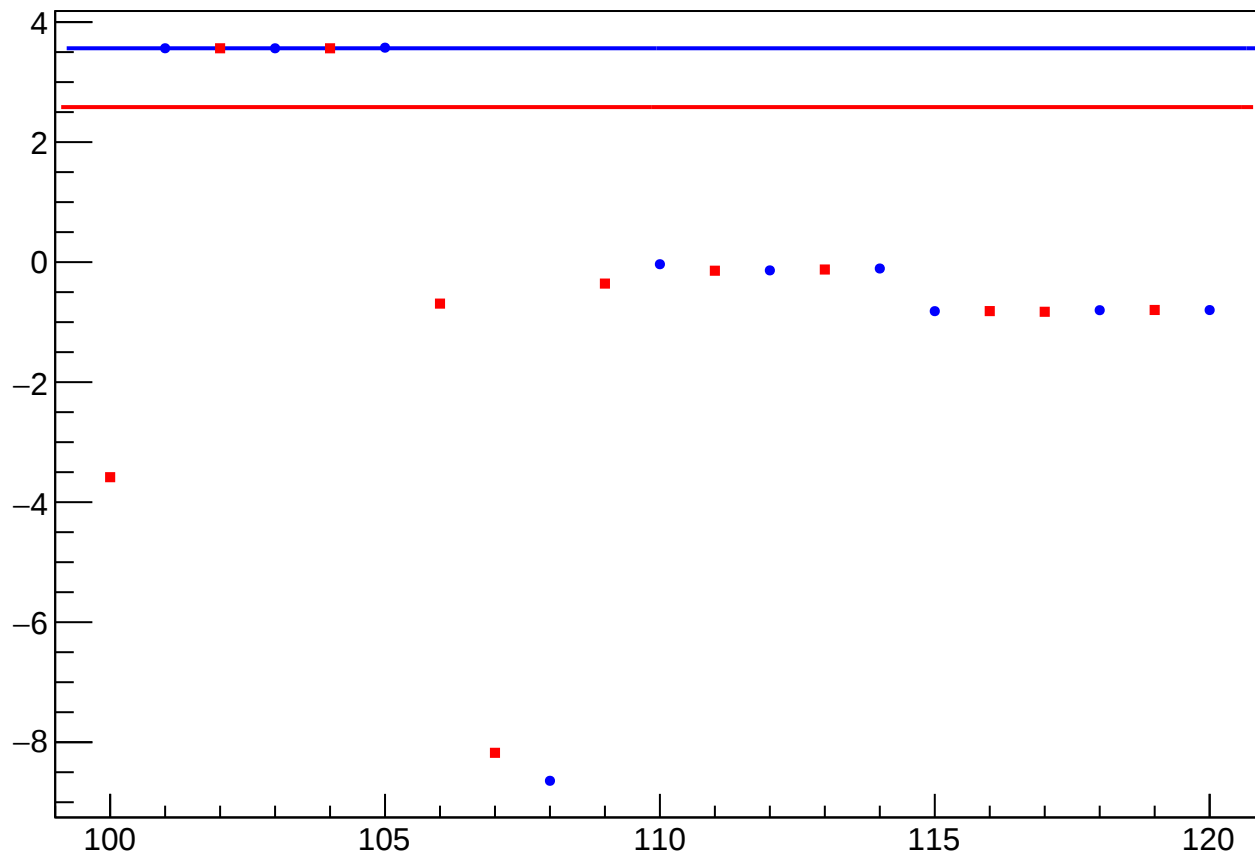
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4122644.7/10

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

0.000+/-0.000  $\chi^2/\text{NDF}$ : 3799765.9/9

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4122644.7/10

# yield\_cav4bY\_mean vs slug



Right In: 3.564+/-0.000  $\chi^2/\text{NDF}$ : 83702343015.1/9

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

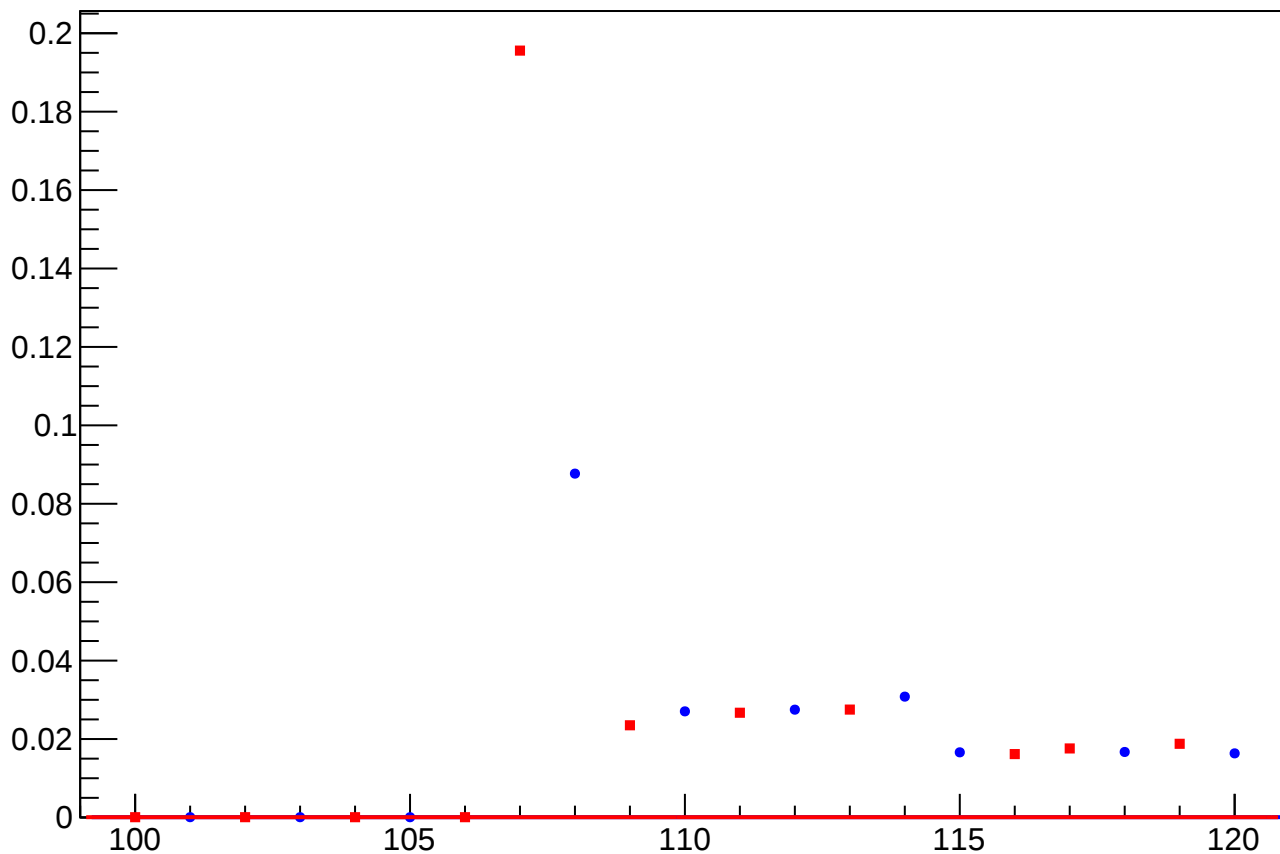
Right Out: 2.584+/-0.000  $\chi^2/\text{NDF}$ : 1253280074010565.0/10

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

3.564+/-0.000  $\chi^2/\text{NDF}$ : 83702343015.1/9

2.584+/-0.000  $\chi^2/\text{NDF}$ : 1253280074010565.0/10

# yield\_cav4bY\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4089841.5/9

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

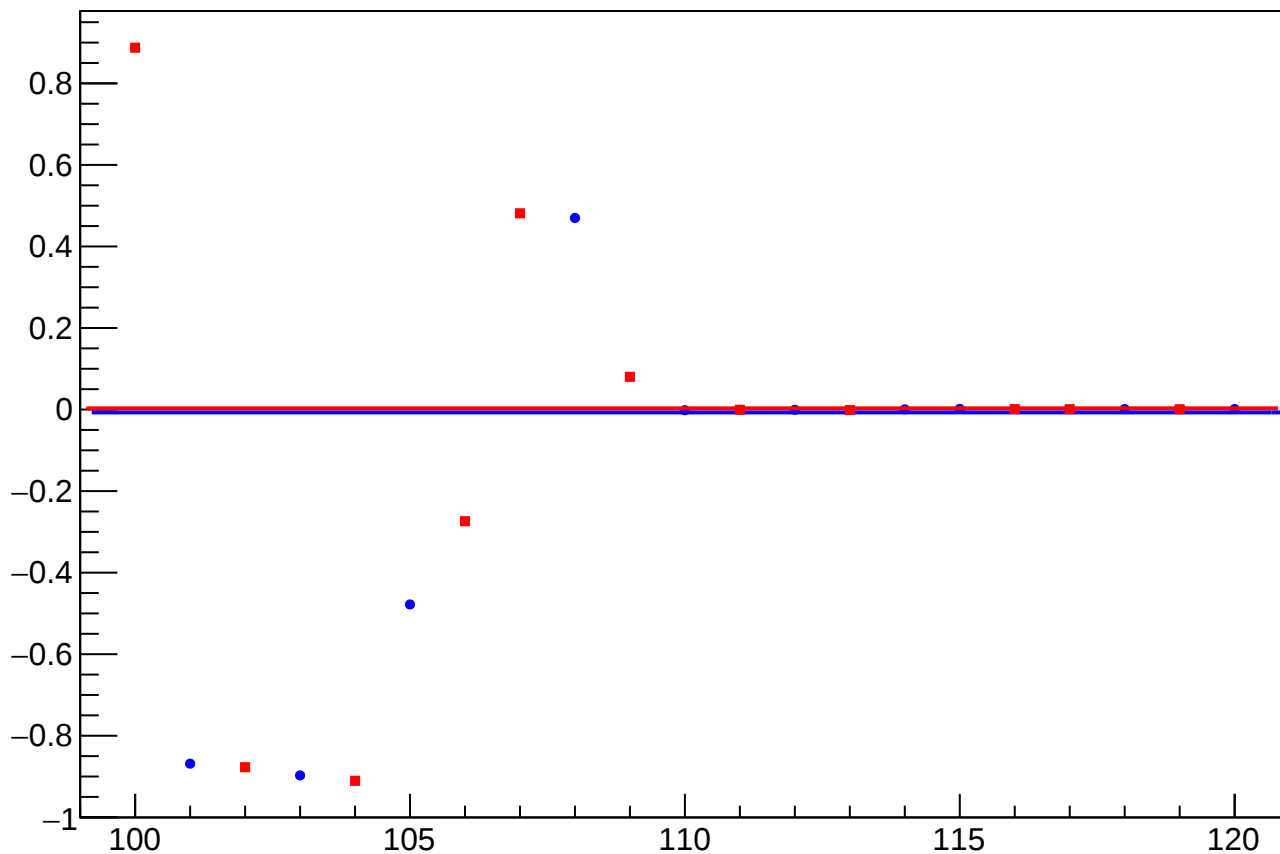
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4206245.8/10

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

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4089841.5/9

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4206245.8/10

yield\_cav4cX\_mean vs slug



Right In: -0.007+/-0.000  $\chi^2/\text{NDF}$ : 9777451487.5/9

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

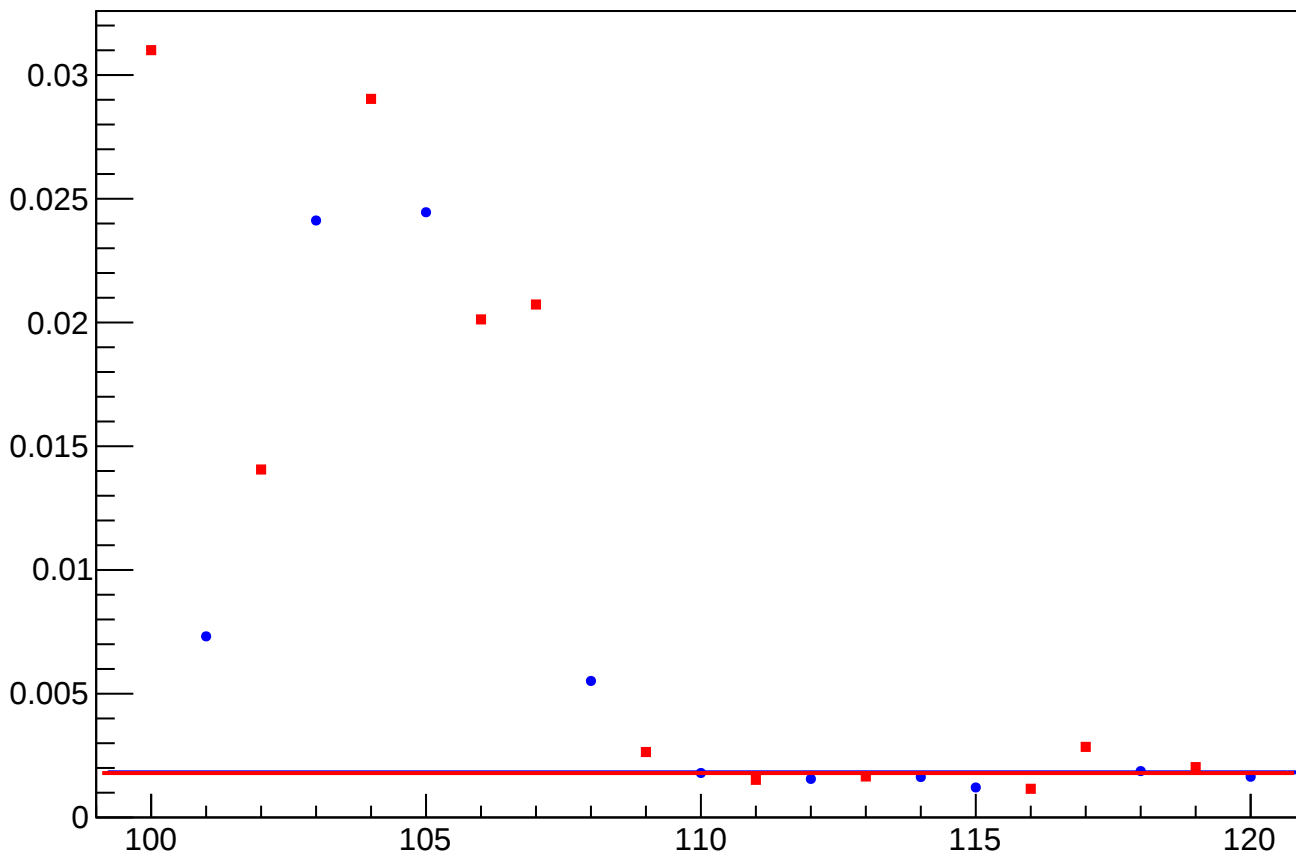
Right Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 3037917836.3/10

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

-0.007+/-0.000  $\chi^2/\text{NDF}$ : 9777451487.5/9

0.003+/-0.000  $\chi^2/\text{NDF}$ : 3037917836.3/10

# yield\_cav4cX\_rms vs slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 1717004.7/9

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

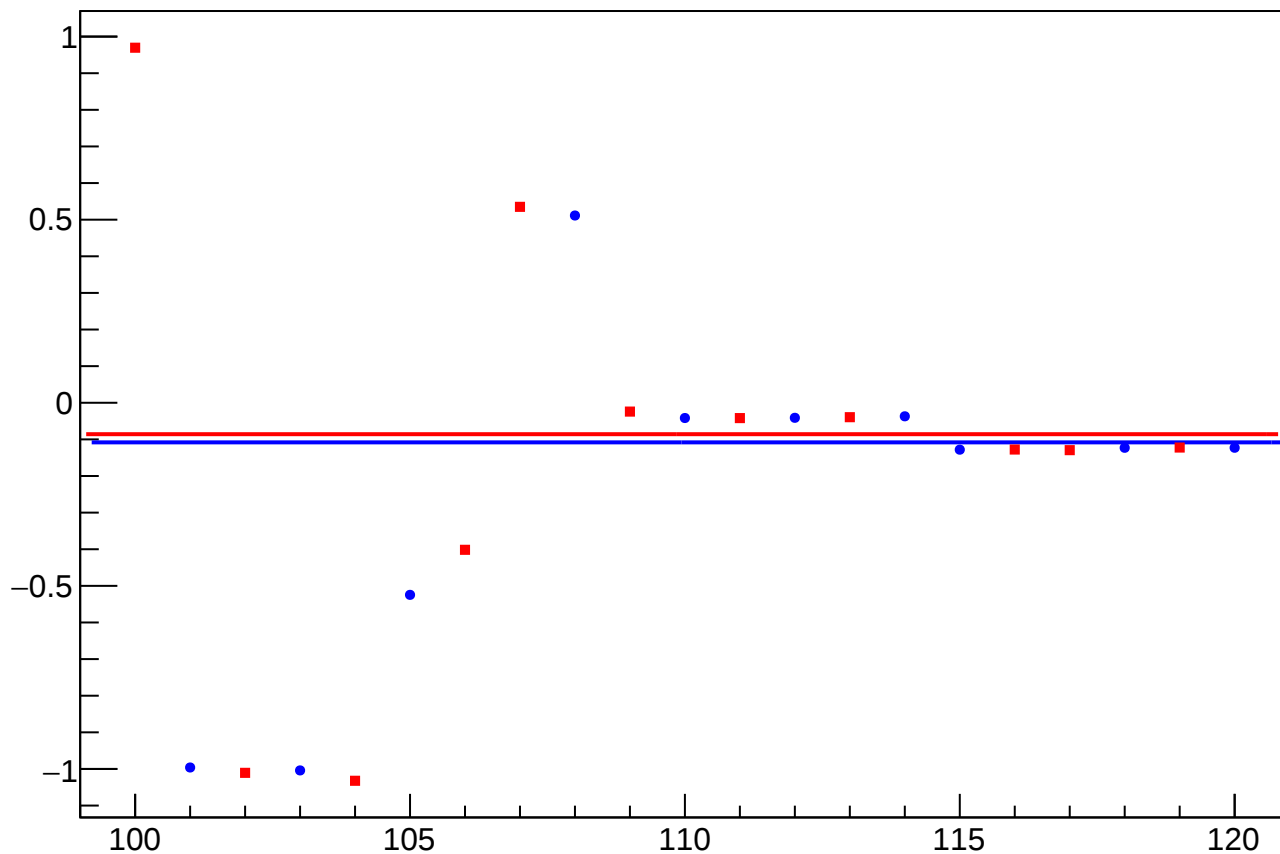
0.002+/-0.000  $\chi^2/\text{NDF}$ : 1717004.7/9

Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 2852084.8/10

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

0.002+/-0.000  $\chi^2/\text{NDF}$ : 2852084.8/10

yield\_cav4cY\_mean vs slug



Right In: -0.108+/-0.000  $\chi^2/\text{NDF}$ : 3853838707.8/9

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

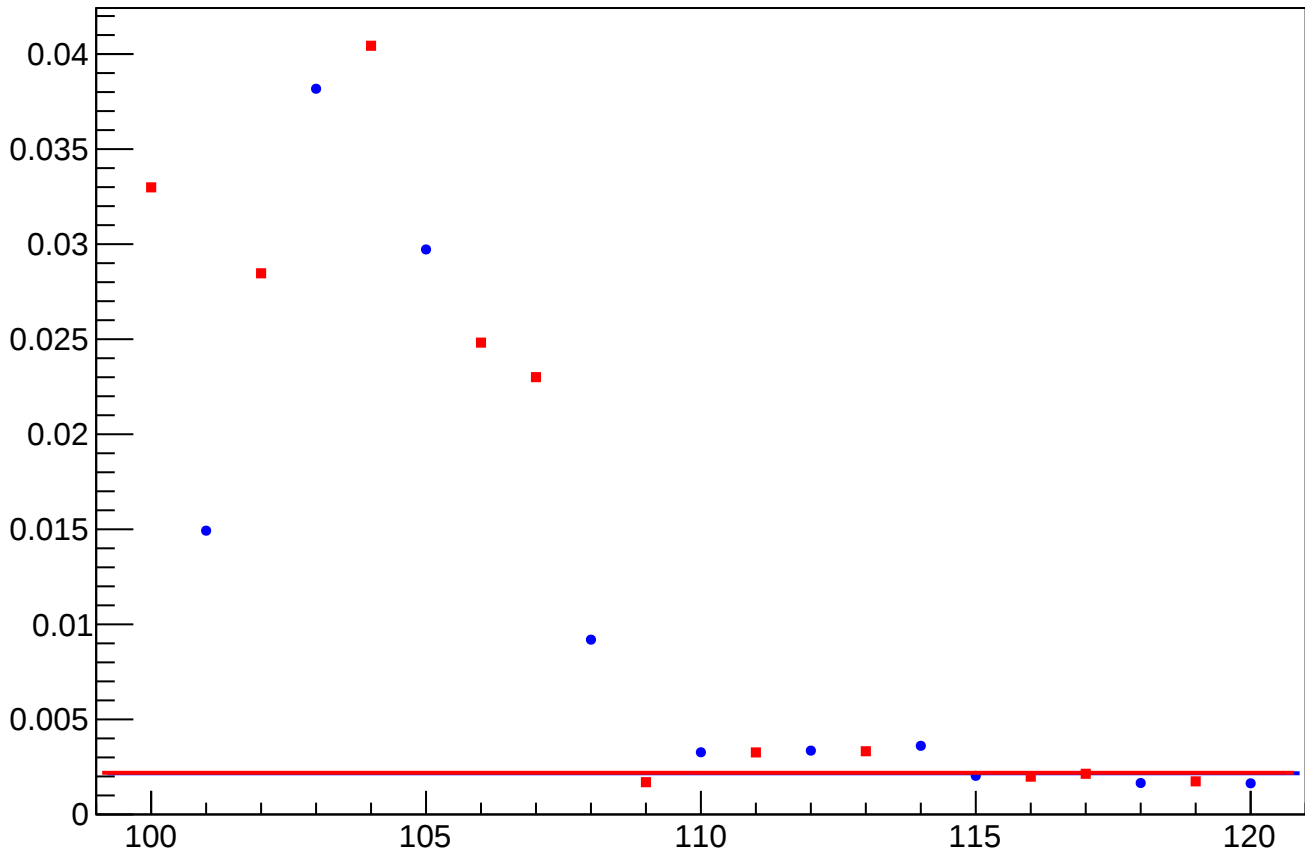
Right Out: -0.086+/-0.000  $\chi^2/\text{NDF}$ : 1994947967.7/10

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

-0.108+/-0.000  $\chi^2/\text{NDF}$ : 3853838707.8/9

-0.086+/-0.000  $\chi^2/\text{NDF}$ : 1994947967.7/10

# yield\_cav4cY\_rms vs slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 2460044.9/9

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

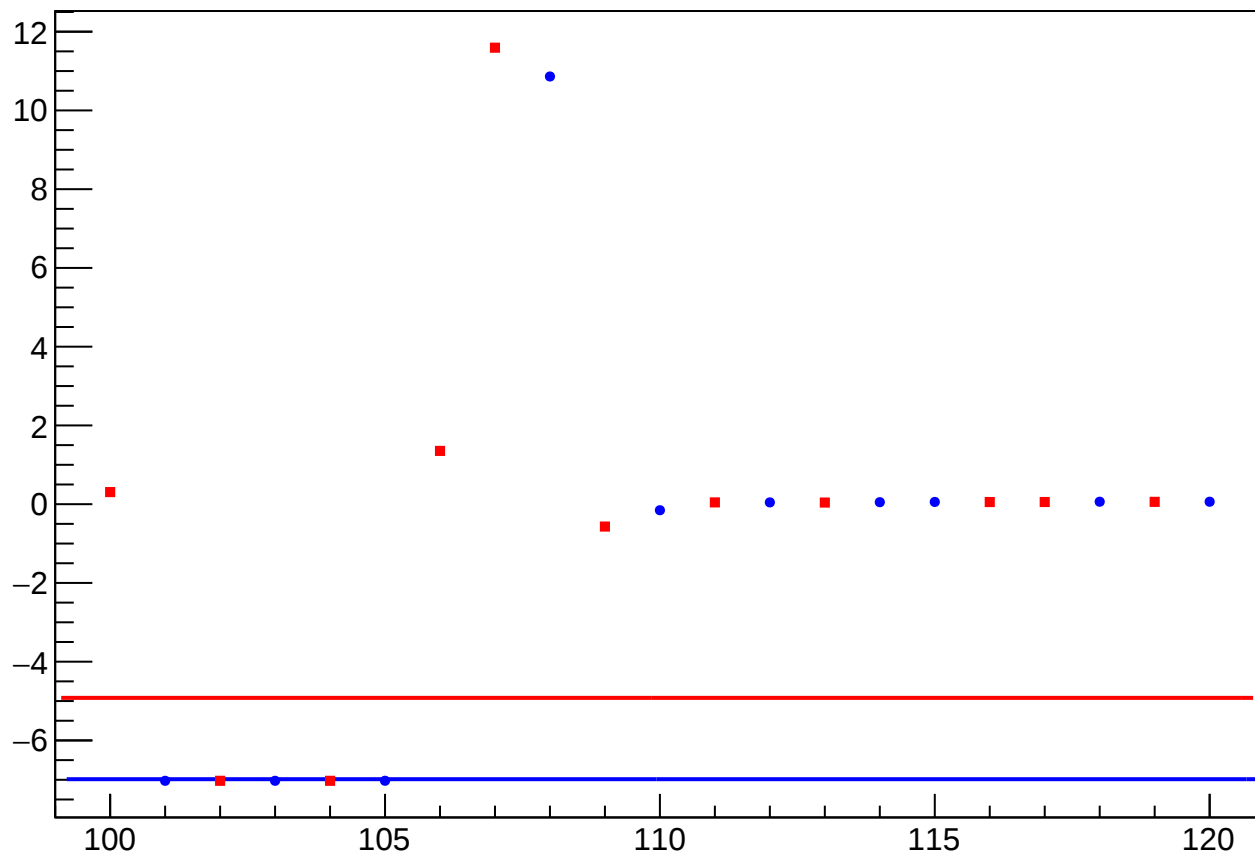
0.002+/-0.000  $\chi^2/\text{NDF}$ : 2460044.9/9

Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 3021151.4/10

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

0.002+/-0.000  $\chi^2/\text{NDF}$ : 3021151.4/10

yield\_cav4dX\_mean vs slug



Right In: -6.985+/-0.000  $\chi^2/\text{NDF}$ : 7132564358369.6/9

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

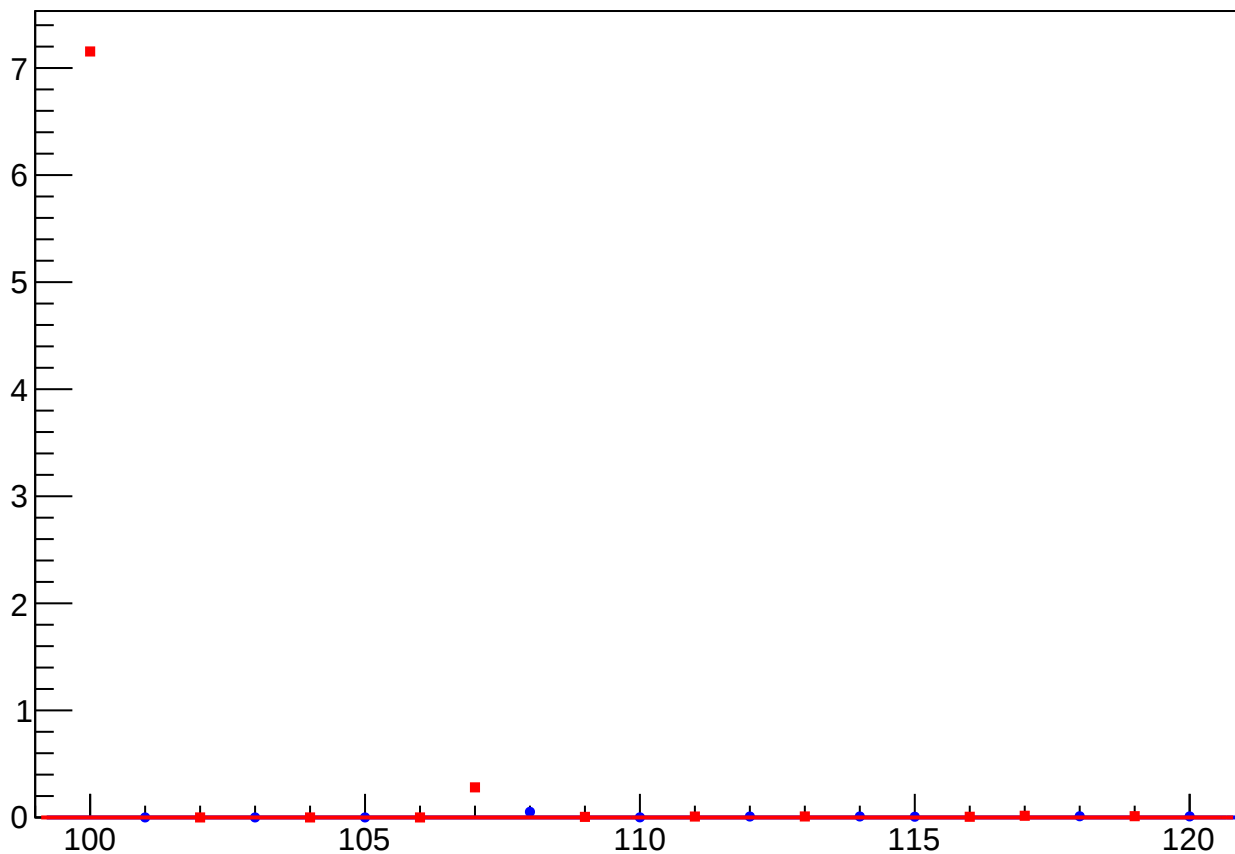
Right Out: -4.919+/-0.000  $\chi^2/\text{NDF}$ : 364653194324884.1/10

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

-6.985+/-0.000  $\chi^2/\text{NDF}$ : 7132564358369.6/9

-4.919+/-0.000  $\chi^2/\text{NDF}$ : 364653194324884.1/10

yield\_cav4dX\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 3319559.1/9

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

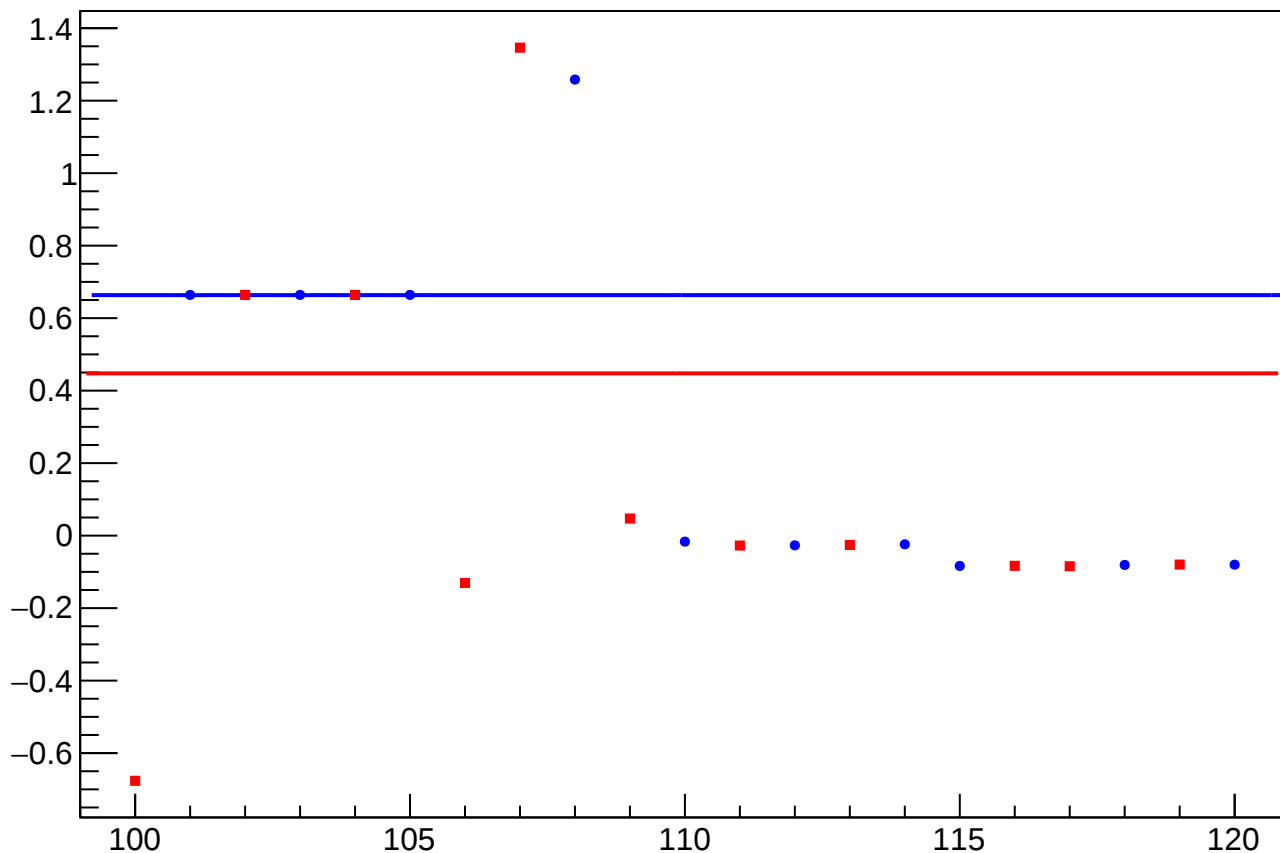
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 3845587.0/10

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

0.000+/-0.000  $\chi^2/\text{NDF}$ : 3319559.1/9

0.000+/-0.000  $\chi^2/\text{NDF}$ : 3845587.0/10

# yield\_cav4dY\_mean vs slug



Right In: 0.663+/-0.000  $\chi^2/\text{NDF}$ : 1160919139443.8/9

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

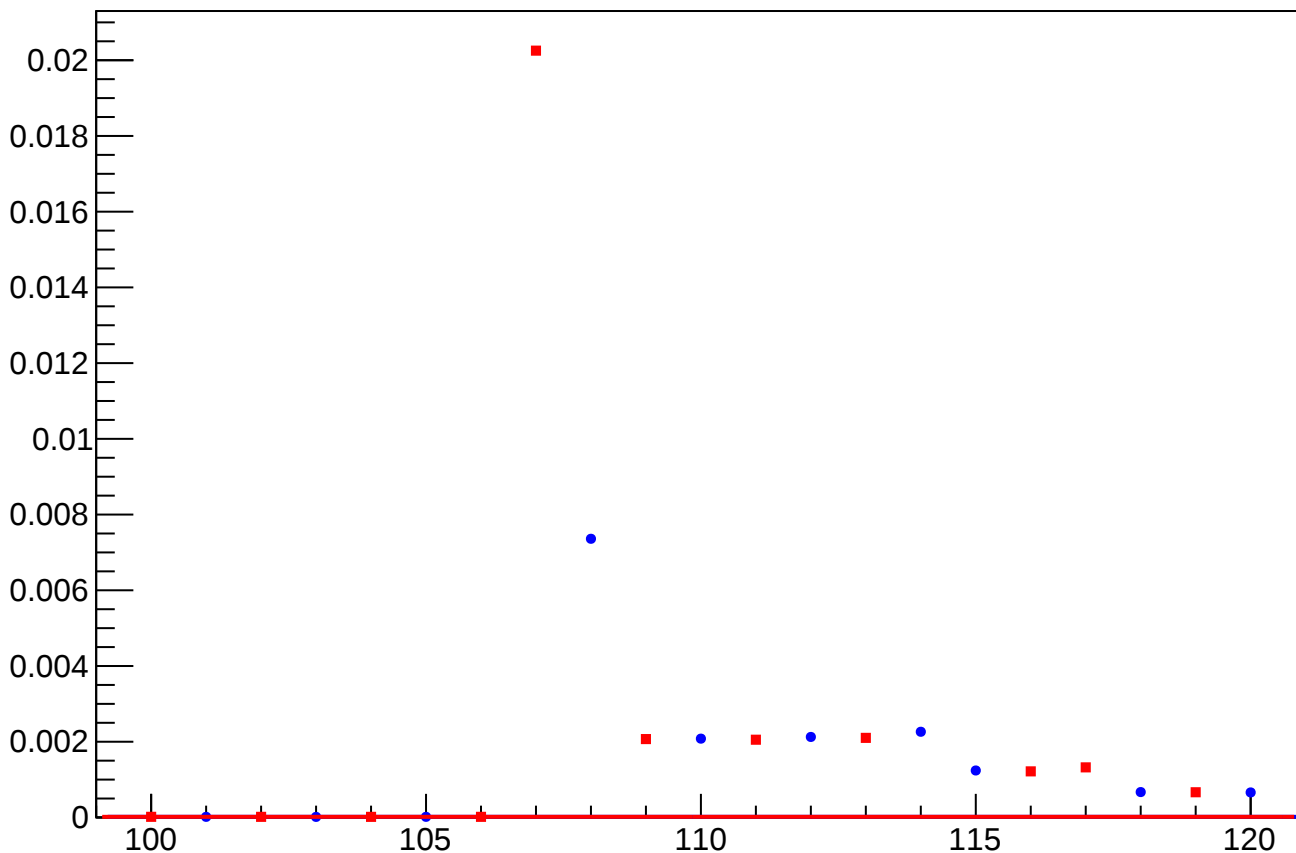
Right Out: 0.448+/-0.000  $\chi^2/\text{NDF}$ : 403282914226620.7/10

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

0.663+/-0.000  $\chi^2/\text{NDF}$ : 1160919139443.8/9

0.448+/-0.000  $\chi^2/\text{NDF}$ : 403282914226620.7/10

# yield\_cav4dY\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4163166.5/9

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

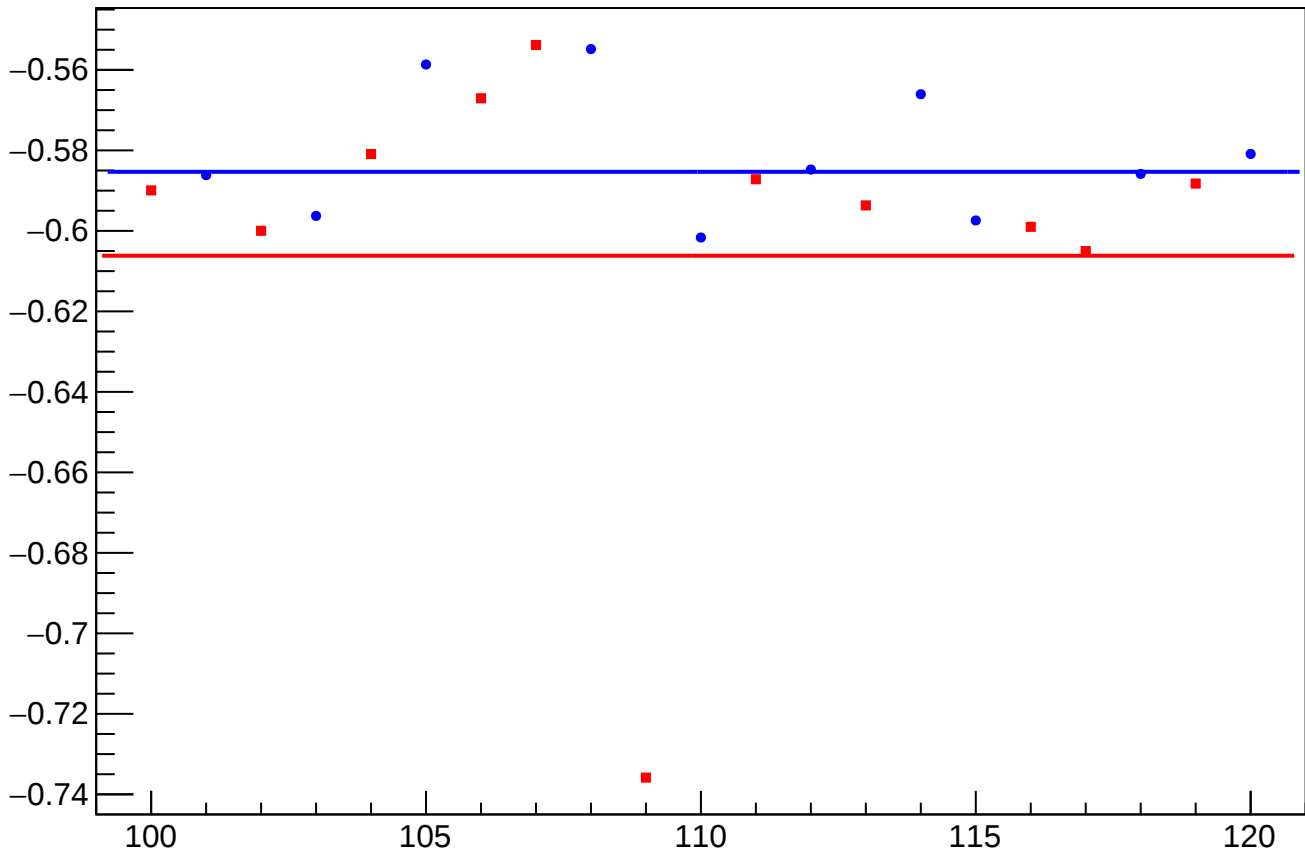
0.000+/-0.000  $\chi^2/\text{NDF}$ : 4163166.5/9

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 3868427.7/10

0.000+/-0.000  $\chi^2/\text{NDF}$ : 3868427.7/10

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

# yield\_bpm4aX\_mean vs slug



Right In: -0.585+/-0.000  $\chi^2/\text{NDF}$ : 507731.9/9

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

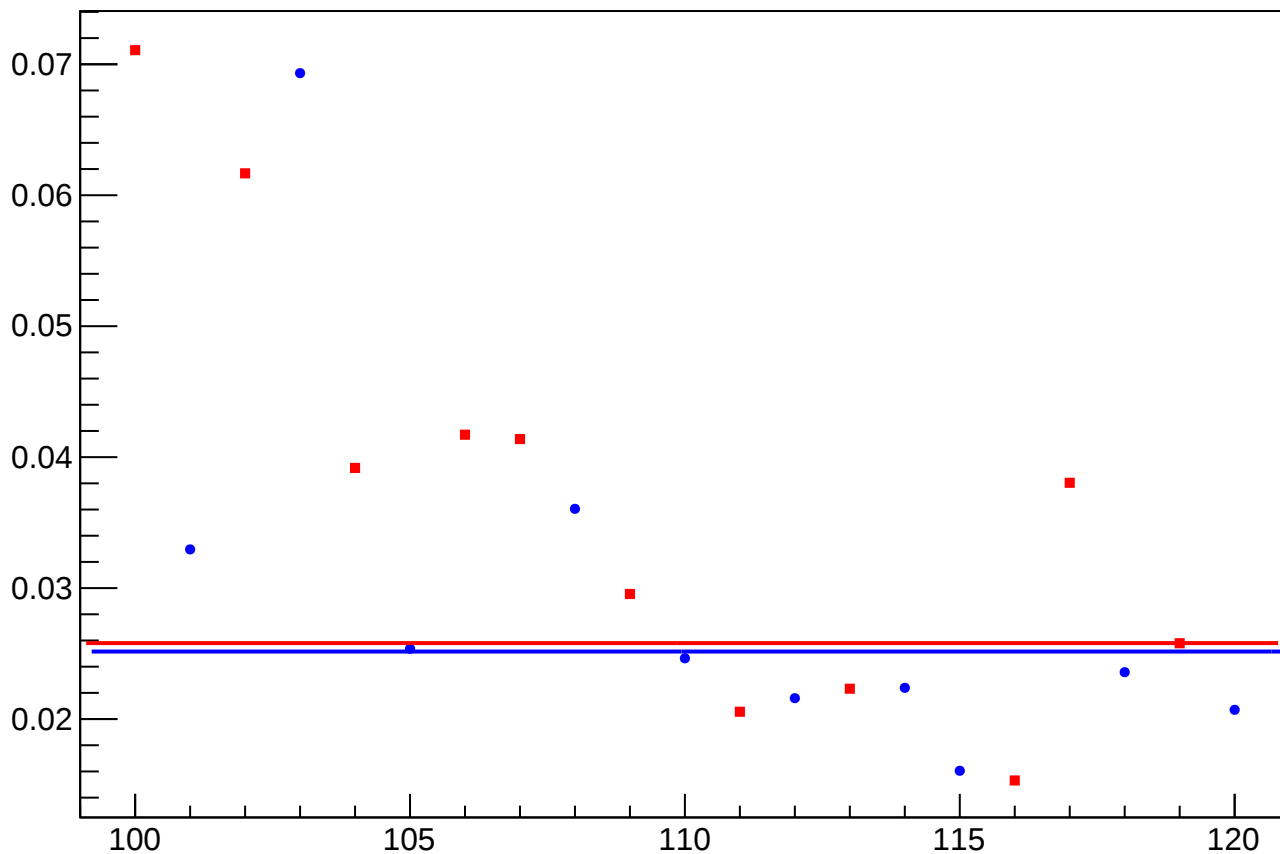
-0.585+/-0.000  $\chi^2/\text{NDF}$ : 507731.9/9

Right Out: -0.606+/-0.000  $\chi^2/\text{NDF}$ : 9982500.2/10

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

-0.606+/-0.000  $\chi^2/\text{NDF}$ : 9982500.2/10

# yield\_bpm4aX\_rms vs slug



Right In: 0.025+/-0.000  $\chi^2/\text{NDF}$ : 681680.7/9

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

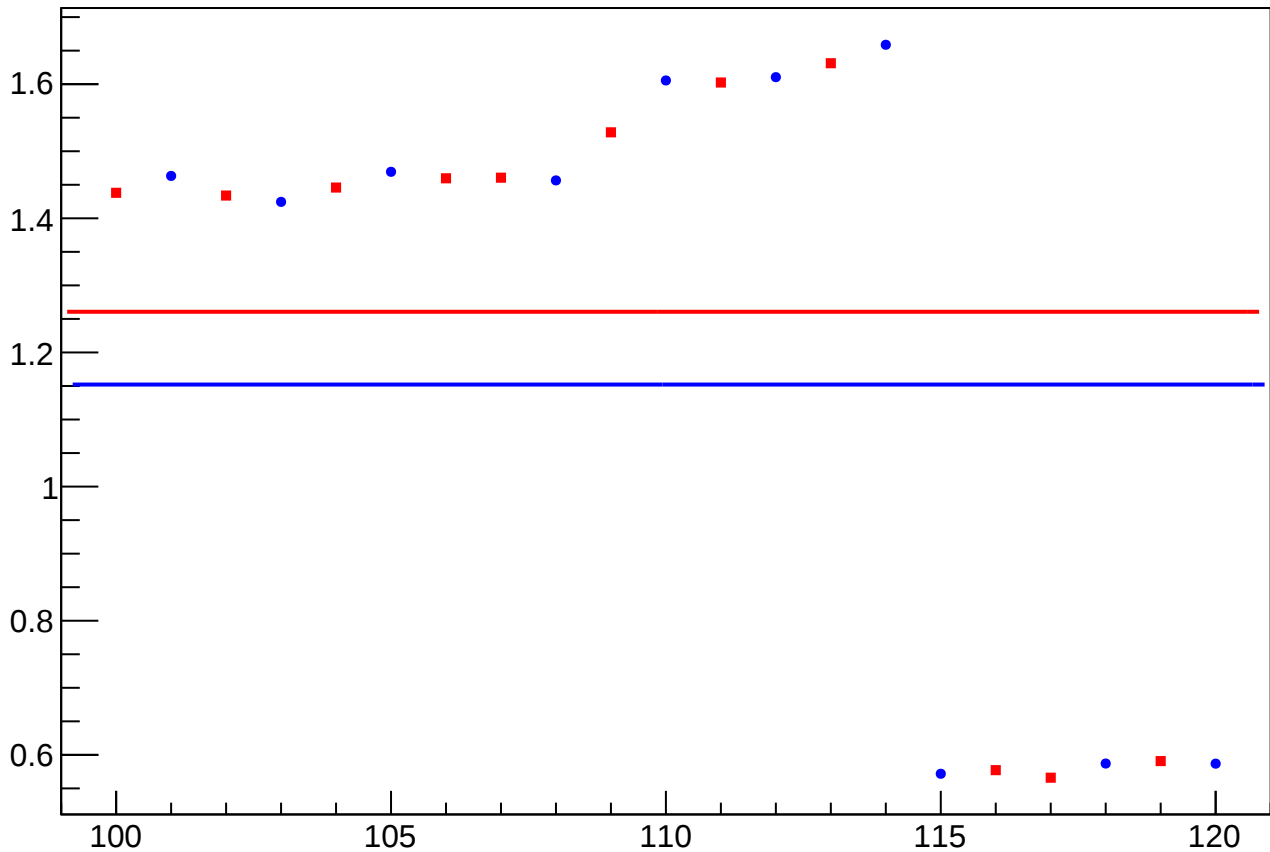
Right Out: 0.026+/-0.000  $\chi^2/\text{NDF}$ : 890678.9/10

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

0.025+/-0.000  $\chi^2/\text{NDF}$ : 681680.7/9

0.026+/-0.000  $\chi^2/\text{NDF}$ : 890678.9/10

# yield\_bpm4aY\_mean vs slug



Right In: 1.152+/-0.000  $\chi^2/\text{NDF}$ : 1689171434.5/9

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

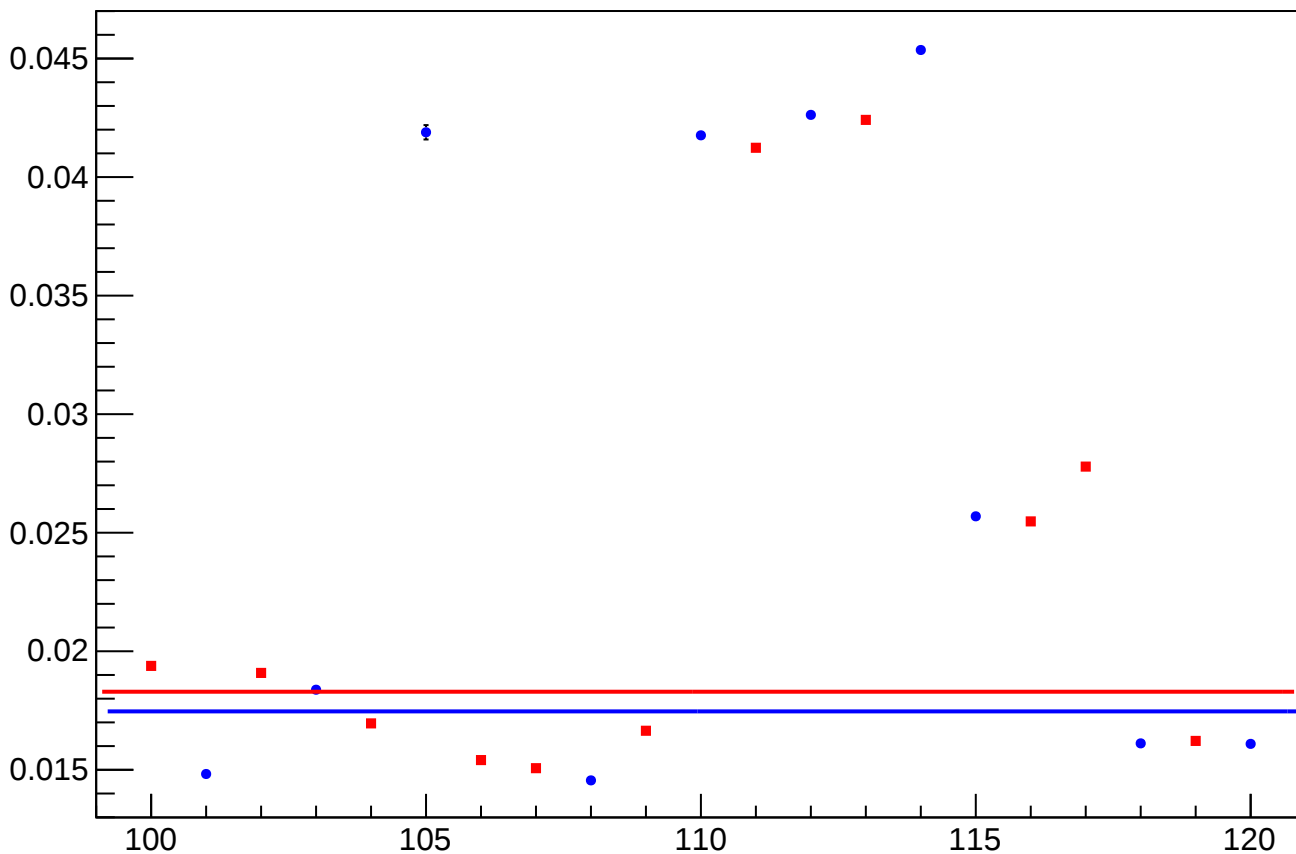
1.152+/-0.000  $\chi^2/\text{NDF}$ : 1689171434.5/9

Right Out: 1.261+/-0.000  $\chi^2/\text{NDF}$ : 1415689330.7/10

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

1.261+/-0.000  $\chi^2/\text{NDF}$ : 1415689330.7/10

# yield\_bpm4aY\_rms vs slug



Right In: 0.017+/-0.000  $\chi^2/\text{NDF}$ : 717779.6/9

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

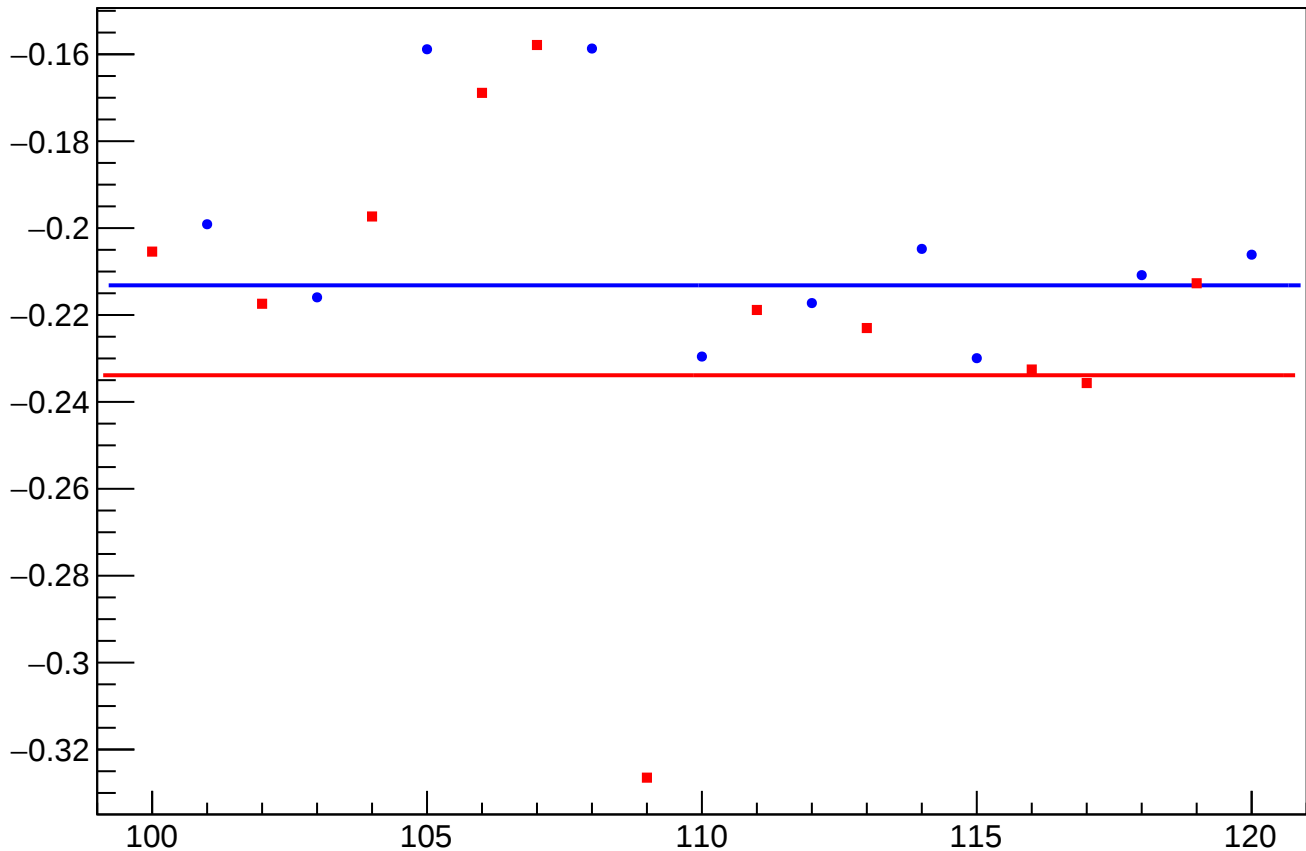
Right Out: 0.018+/-0.000  $\chi^2/\text{NDF}$ : 653230.8/10

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

0.017+/-0.000  $\chi^2/\text{NDF}$ : 717779.6/9

0.018+/-0.000  $\chi^2/\text{NDF}$ : 653230.8/10

# yield\_bpm4eX\_mean vs slug



Right In: -0.213+/-0.000  $\chi^2/\text{NDF}$ : 1304645.4/9

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

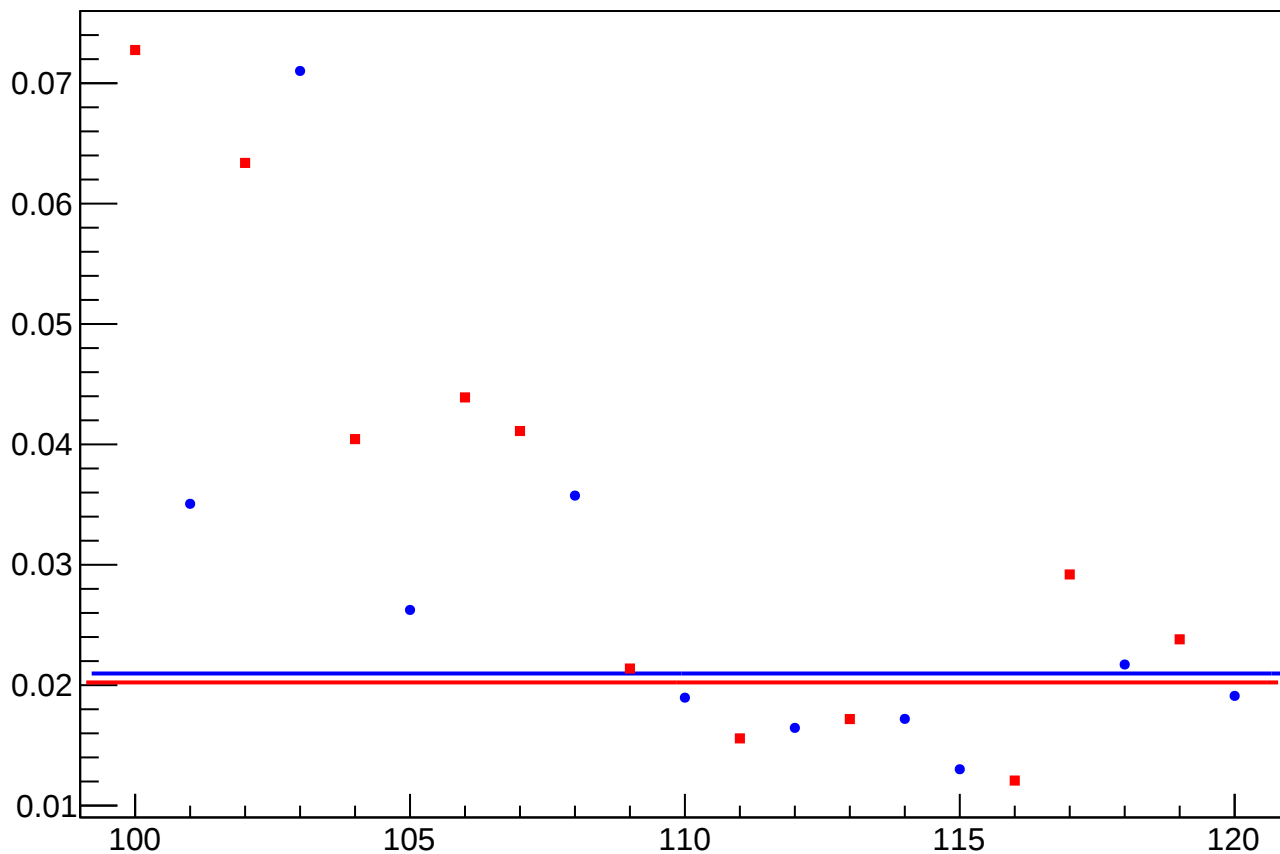
-0.213+/-0.000  $\chi^2/\text{NDF}$ : 1304645.4/9

Right Out: -0.234+/-0.000  $\chi^2/\text{NDF}$ : 10770393.7/10

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

-0.234+/-0.000  $\chi^2/\text{NDF}$ : 10770393.7/10

# yield\_bpm4eX\_rms vs slug



Right In: 0.021+/-0.000  $\chi^2/\text{NDF}$ : 978361.7/9

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

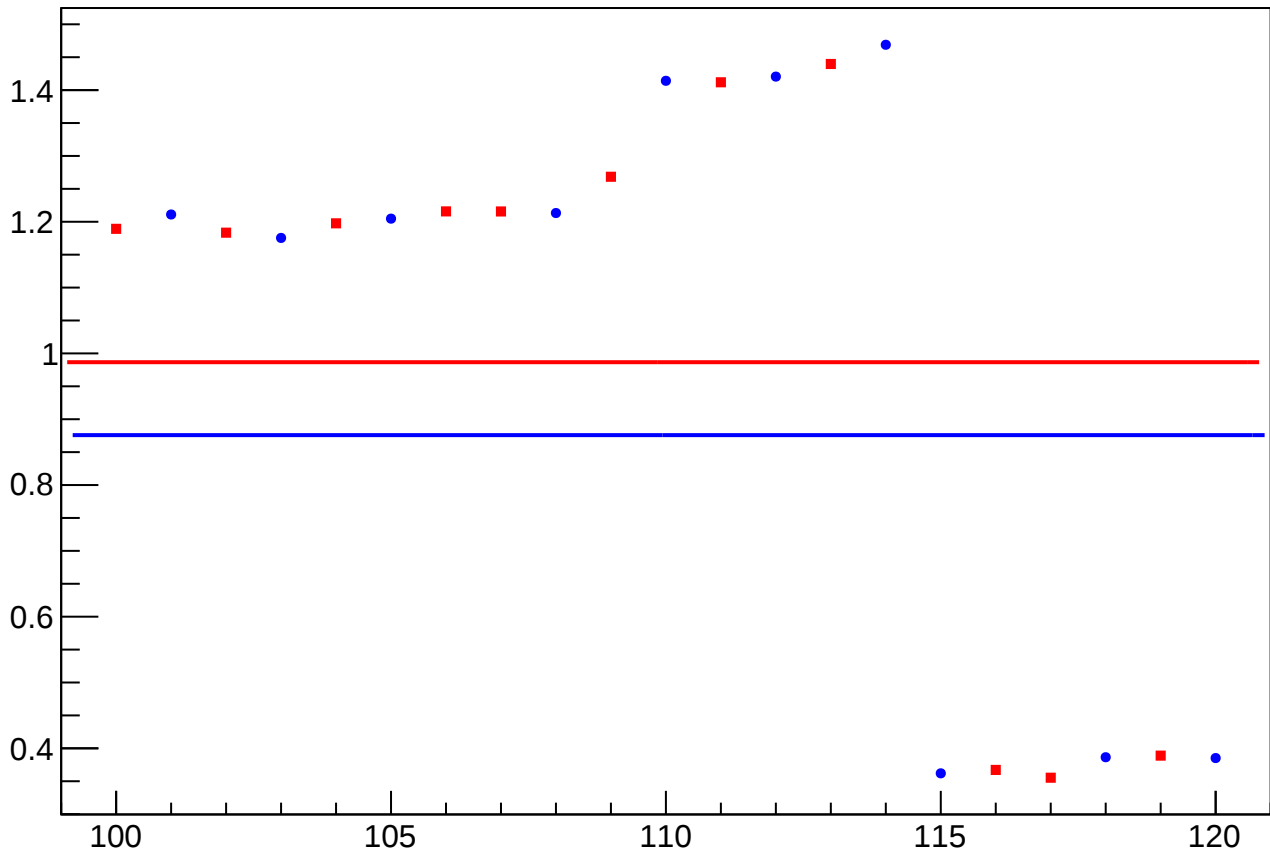
Right Out: 0.020+/-0.000  $\chi^2/\text{NDF}$ : 1296929.3/10

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

0.021+/-0.000  $\chi^2/\text{NDF}$ : 978361.7/9

0.020+/-0.000  $\chi^2/\text{NDF}$ : 1296929.3/10

# yield\_bpm4eY\_mean vs slug



Right In: 0.876+/-0.000  $\chi^2/\text{NDF}$ : 2569870108.5/9

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

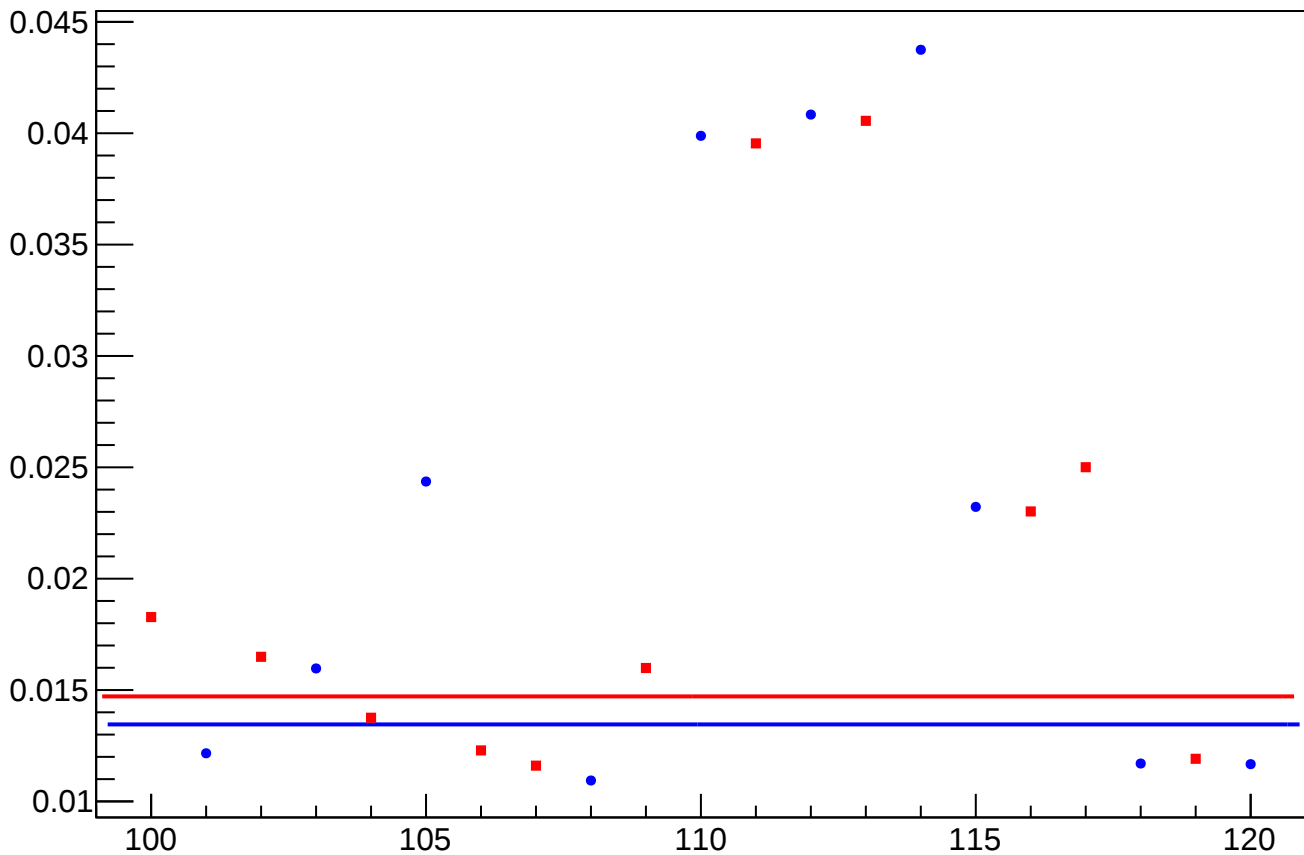
0.876+/-0.000  $\chi^2/\text{NDF}$ : 2569870108.5/9

Right Out: 0.987+/-0.000  $\chi^2/\text{NDF}$ : 2072247898.9/10

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

0.987+/-0.000  $\chi^2/\text{NDF}$ : 2072247898.9/10

# yield\_bpm4eY\_rms vs slug



Right In: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 940549.0/9

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

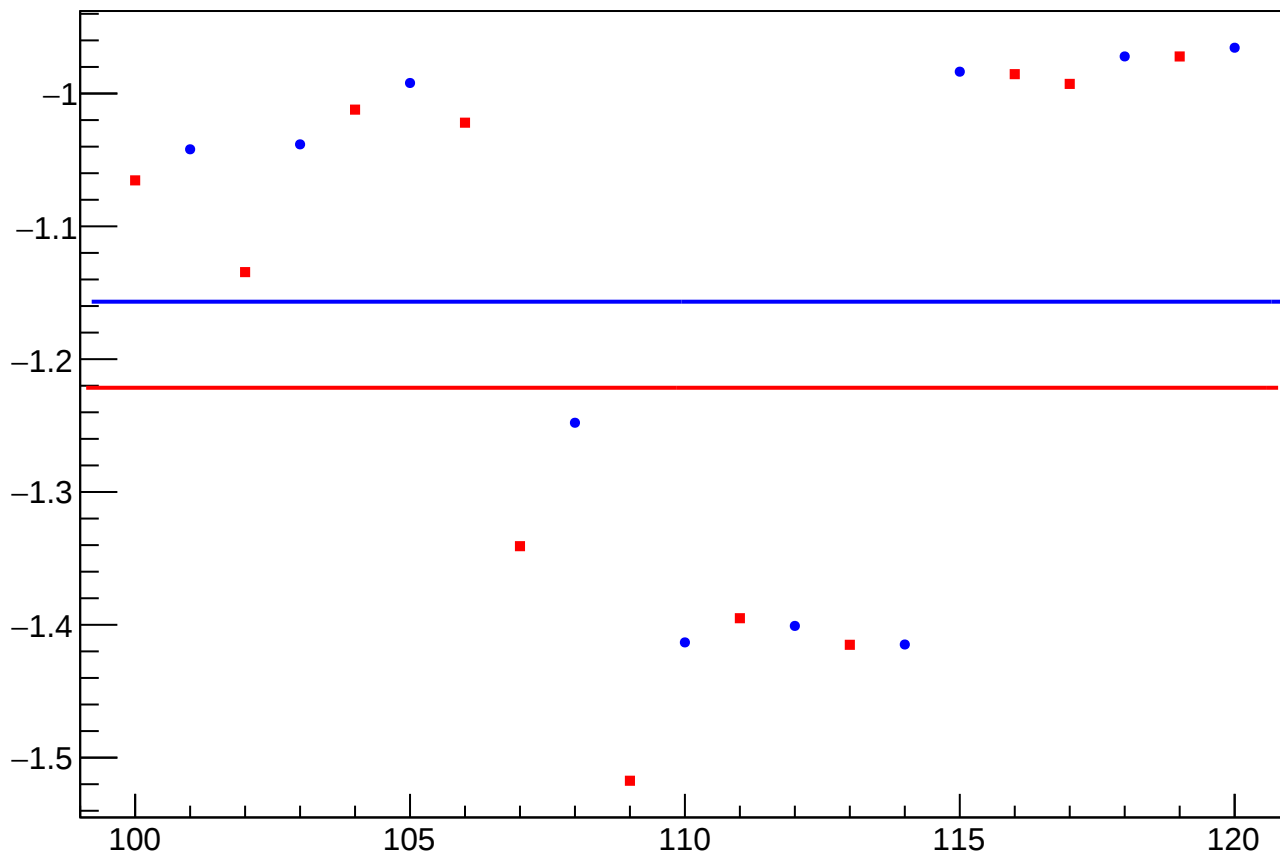
0.013+/-0.000  $\chi^2/\text{NDF}$ : 940549.0/9

Right Out: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 886582.4/10

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

0.015+/-0.000  $\chi^2/\text{NDF}$ : 886582.4/10

# yield\_bpm4acX\_mean vs slug



Right In: -1.157+/-0.000  $\chi^2$ /NDF: 172644691.2/9

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

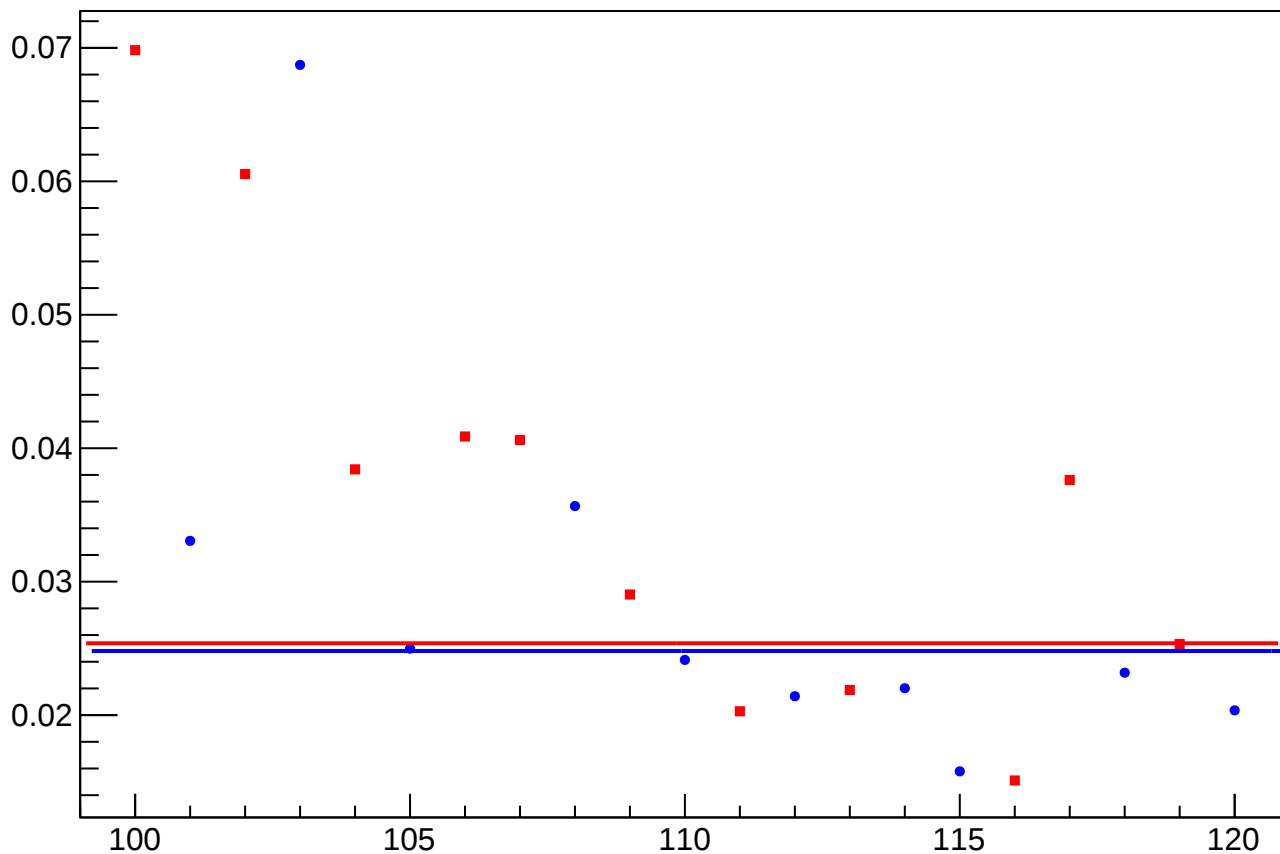
Right Out: -1.222+/-0.000  $\chi^2$ /NDF: 214499866.8/10

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

-1.157+/-0.000  $\chi^2$ /NDF: 172644691.2/9

-1.222+/-0.000  $\chi^2$ /NDF: 214499866.8/10

# yield\_bpm4acX\_rms vs slug



Right In: 0.025+/-0.000  $\chi^2/\text{NDF}$ : 690593.6/9

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

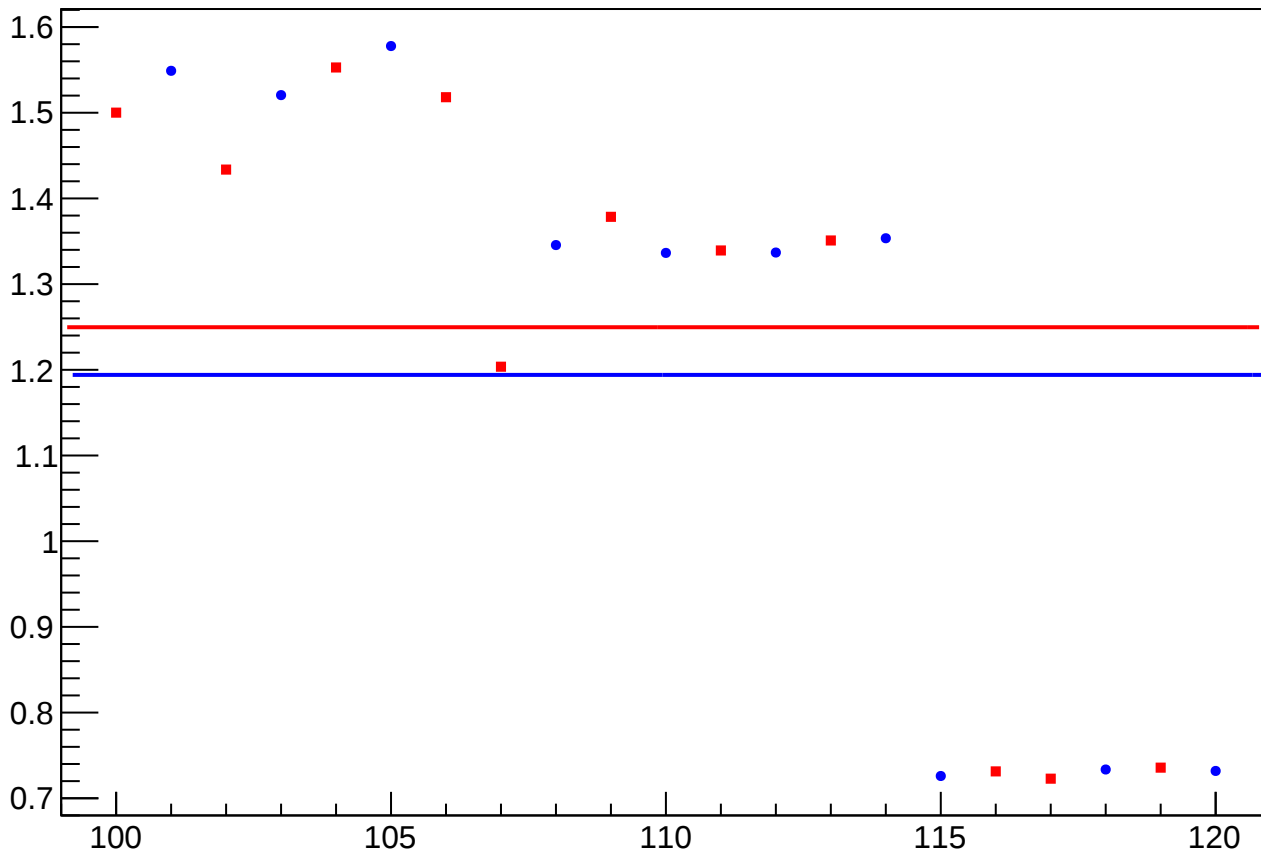
Right Out: 0.025+/-0.000  $\chi^2/\text{NDF}$ : 883932.5/10

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

0.025+/-0.000  $\chi^2/\text{NDF}$ : 690593.6/9

0.025+/-0.000  $\chi^2/\text{NDF}$ : 883932.5/10

# yield\_bpm4acY\_mean vs slug



Right In: 1.194+/-0.000  $\chi^2/\text{NDF}$ : 1177266136.3/9

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

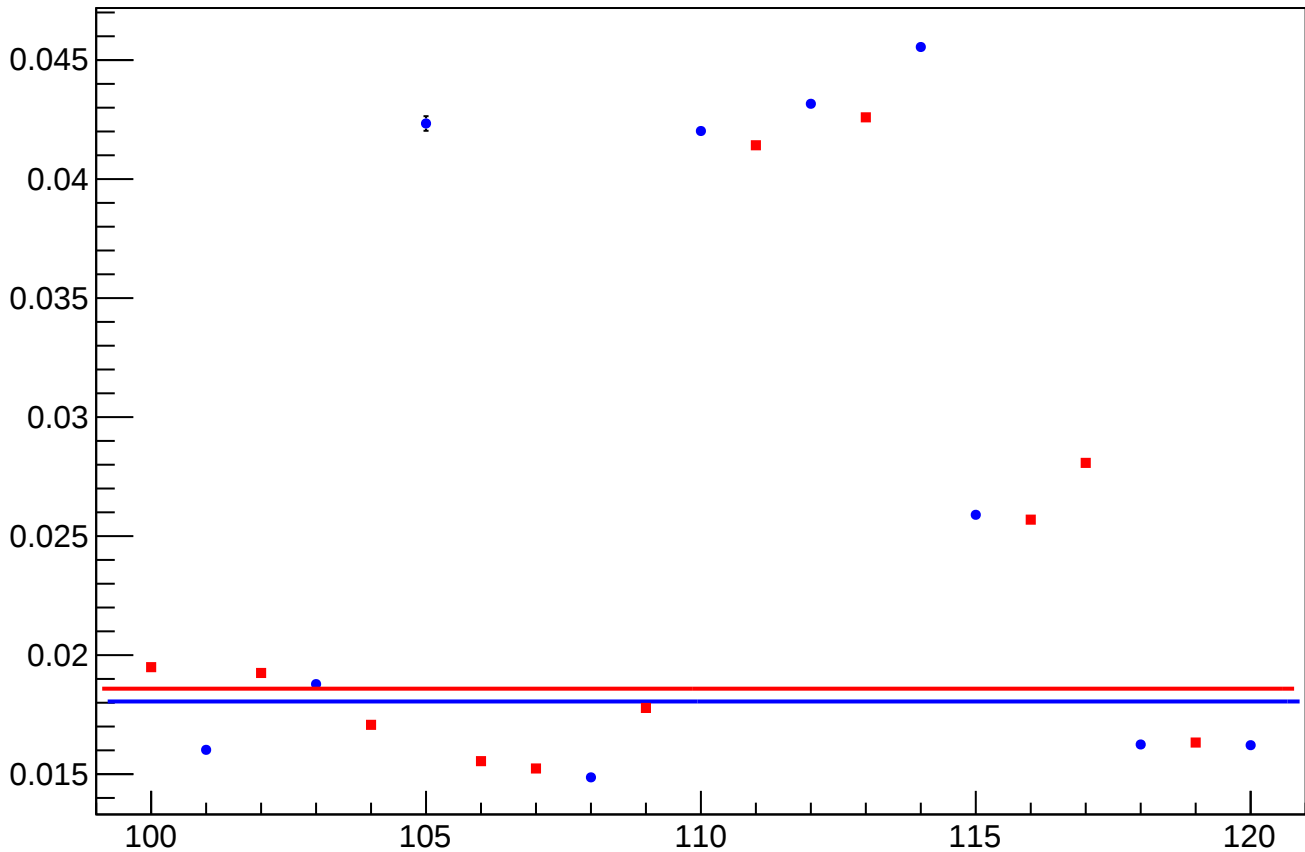
1.194+/-0.000  $\chi^2/\text{NDF}$ : 1177266136.3/9

Right Out: 1.250+/-0.000  $\chi^2/\text{NDF}$ : 918468408.6/10

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

1.250+/-0.000  $\chi^2/\text{NDF}$ : 918468408.6/10

# yield\_bpm4acY\_rms vs slug



Right In: 0.018+/-0.000  $\chi^2/\text{NDF}$ : 689139.5/9

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

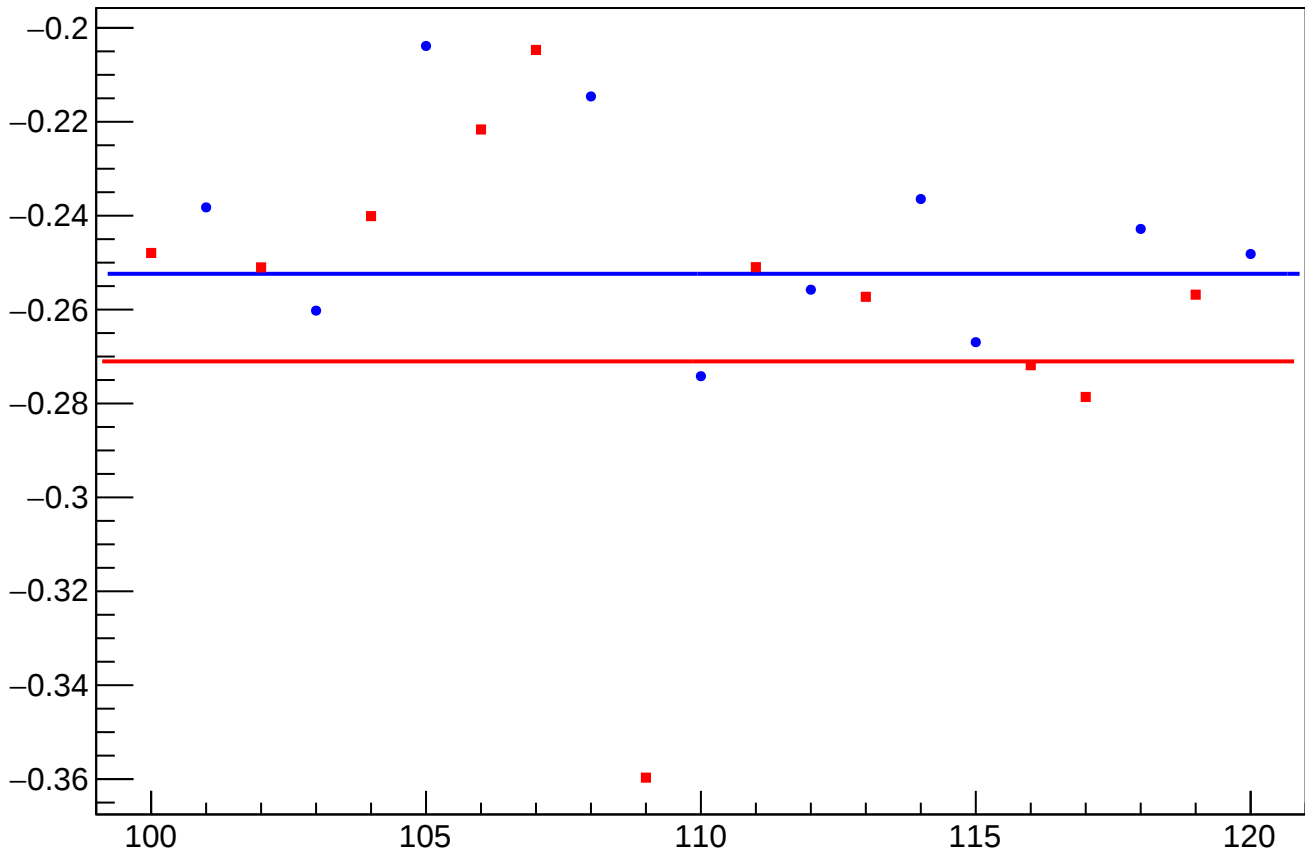
0.018+/-0.000  $\chi^2/\text{NDF}$ : 689139.5/9

Right Out: 0.019+/-0.000  $\chi^2/\text{NDF}$ : 643308.5/10

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

0.019+/-0.000  $\chi^2/\text{NDF}$ : 643308.5/10

# yield\_bpm4ecX\_mean vs slug



Right In: -0.252+/-0.000  $\chi^2/\text{NDF}$ : 1145049.0/9

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

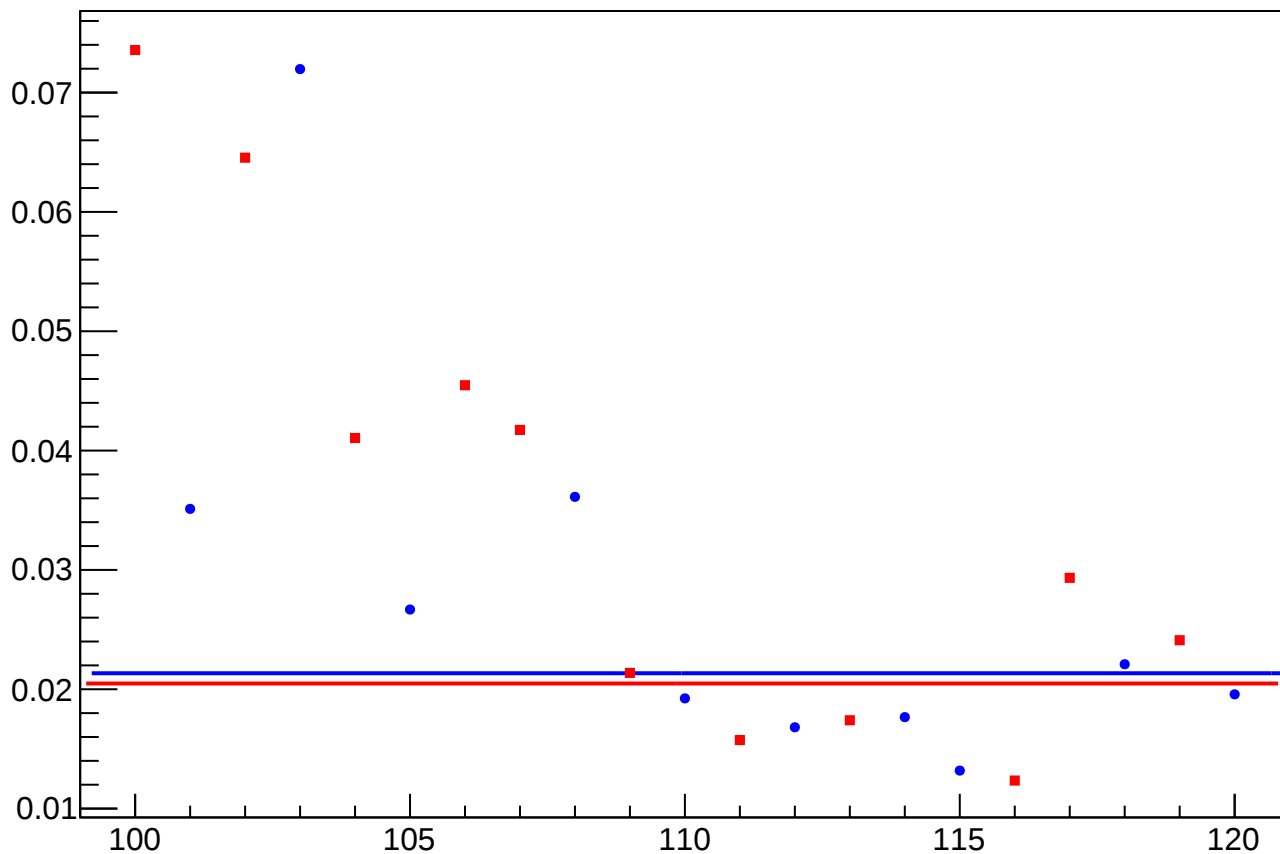
-0.252+/-0.000  $\chi^2/\text{NDF}$ : 1145049.0/9

Right Out: -0.271+/-0.000  $\chi^2/\text{NDF}$ : 9625442.0/10

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

-0.271+/-0.000  $\chi^2/\text{NDF}$ : 9625442.0/10

# yield\_bpm4ecX\_rms vs slug



Right In: 0.021+/-0.000  $\chi^2/\text{NDF}$ : 962816.5/9

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

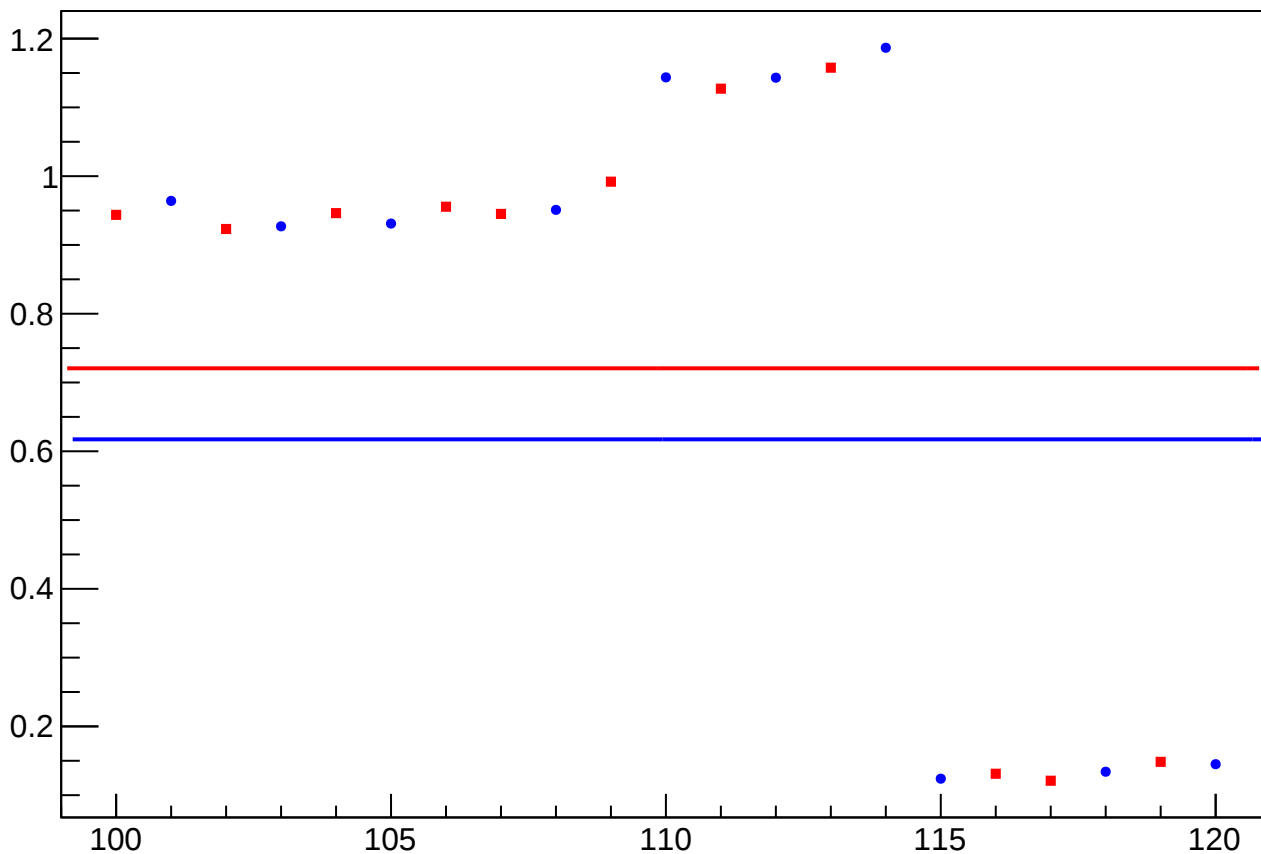
Right Out: 0.020+/-0.000  $\chi^2/\text{NDF}$ : 1302523.6/10

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

0.021+/-0.000  $\chi^2/\text{NDF}$ : 962816.5/9

0.020+/-0.000  $\chi^2/\text{NDF}$ : 1302523.6/10

yield\_bpm4ecY\_mean vs slug



Right In: 0.617+/-0.000  $\chi^2/\text{NDF}$ : 2569765186.8/9

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

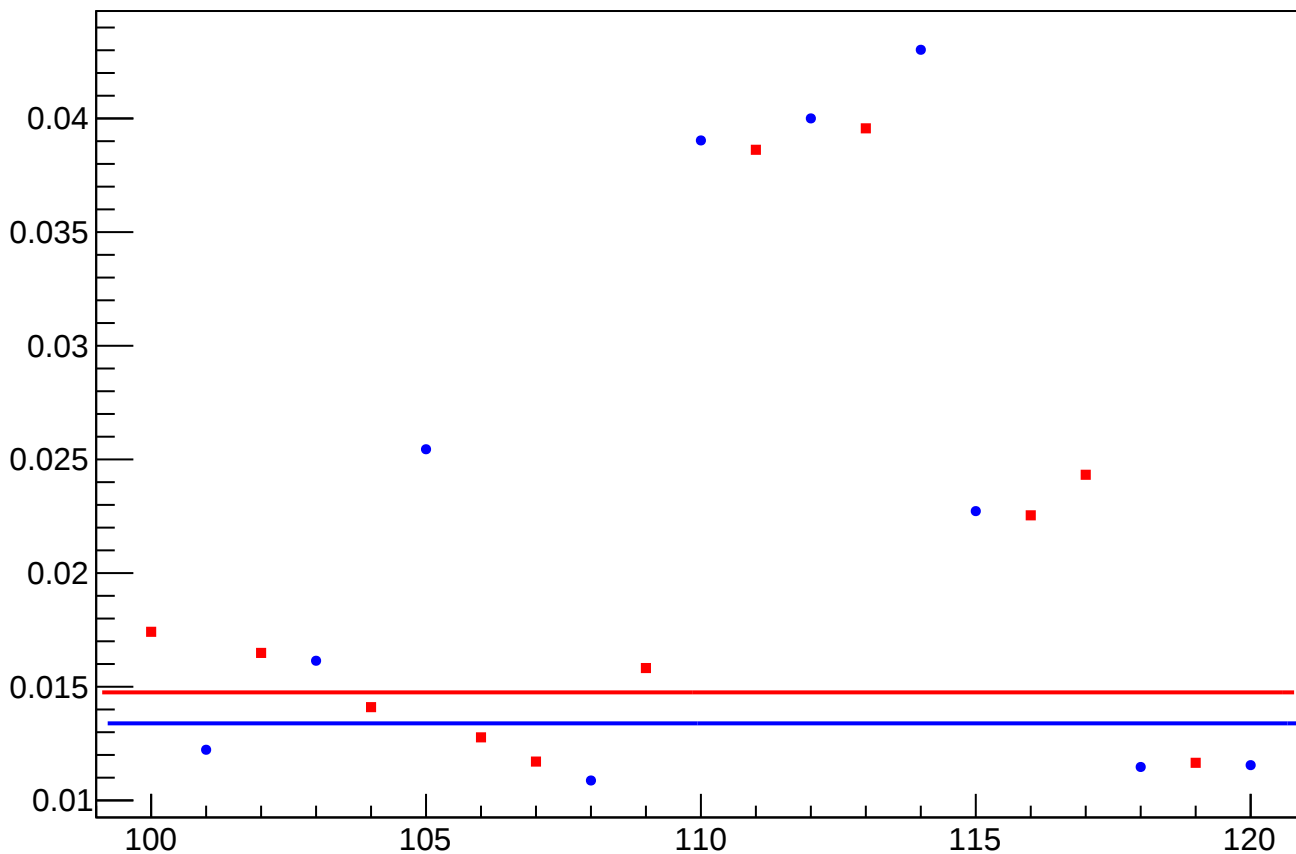
0.617+/-0.000  $\chi^2/\text{NDF}$ : 2569765186.8/9

Right Out: 0.721+/-0.000  $\chi^2/\text{NDF}$ : 2008826271.3/10

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

0.721+/-0.000  $\chi^2/\text{NDF}$ : 2008826271.3/10

# yield\_bpm4ecY\_rms vs slug



Right In: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 936821.1/9

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

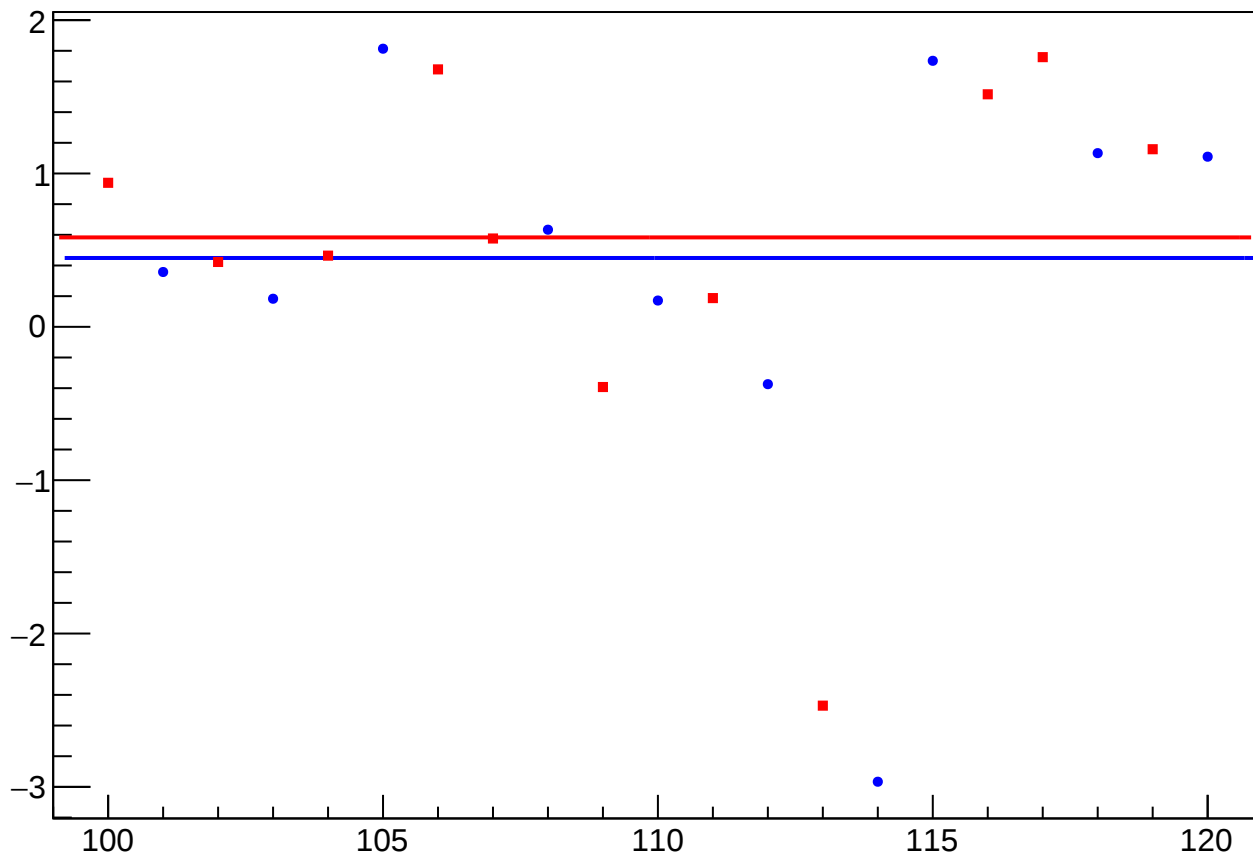
Right Out: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 858965.0/10

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

0.013+/-0.000  $\chi^2/\text{NDF}$ : 936821.1/9

0.015+/-0.000  $\chi^2/\text{NDF}$ : 858965.0/10

# yield\_bpm1X\_mean vs slug



Right In: 0.449+/-0.000  $\chi^2/\text{NDF}$ : 230971490.9/9

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

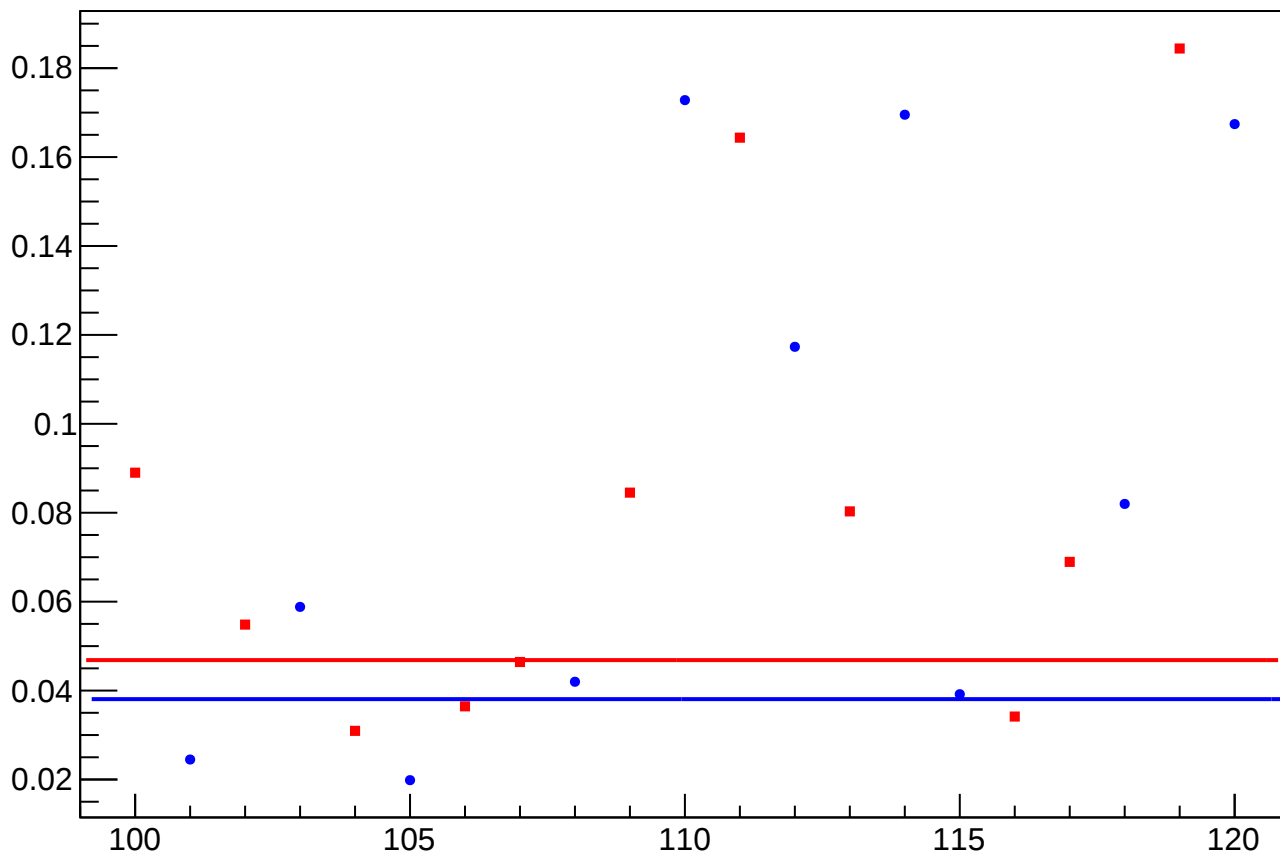
Right Out: 0.583+/-0.000  $\chi^2/\text{NDF}$ : 856551414.0/10

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

0.449+/-0.000  $\chi^2/\text{NDF}$ : 230971490.9/9

0.583+/-0.000  $\chi^2/\text{NDF}$ : 856551414.0/10

# yield\_bpm1X\_rms vs slug



Right In: 0.038+/-0.000  $\chi^2/\text{NDF}$ : 1873807.1/9

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

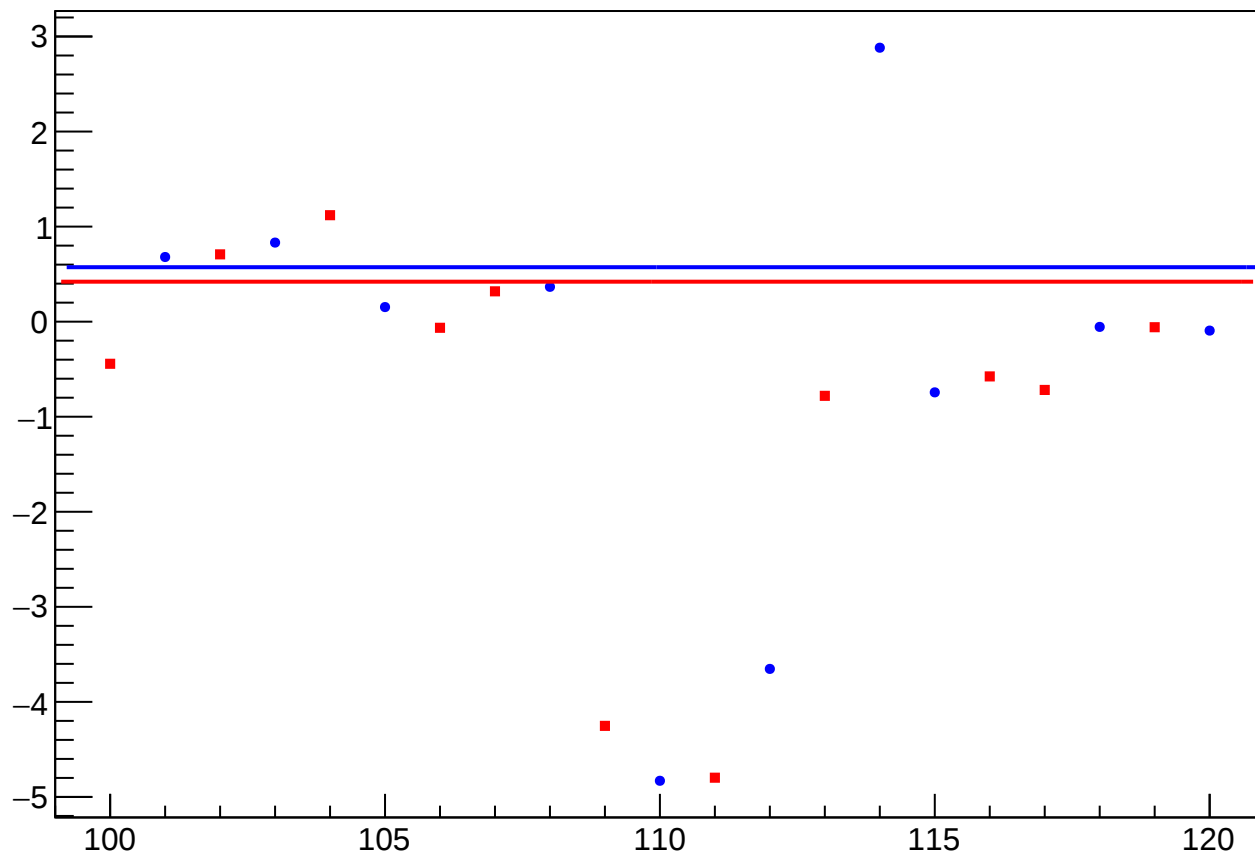
Right Out: 0.047+/-0.000  $\chi^2/\text{NDF}$ : 1547529.9/10

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

0.038+/-0.000  $\chi^2/\text{NDF}$ : 1873807.1/9

0.047+/-0.000  $\chi^2/\text{NDF}$ : 1547529.9/10

# yield\_bpm1Y\_mean vs slug



Right In: 0.573+/-0.000  $\chi^2/\text{NDF}$ : 1603881223.5/9

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

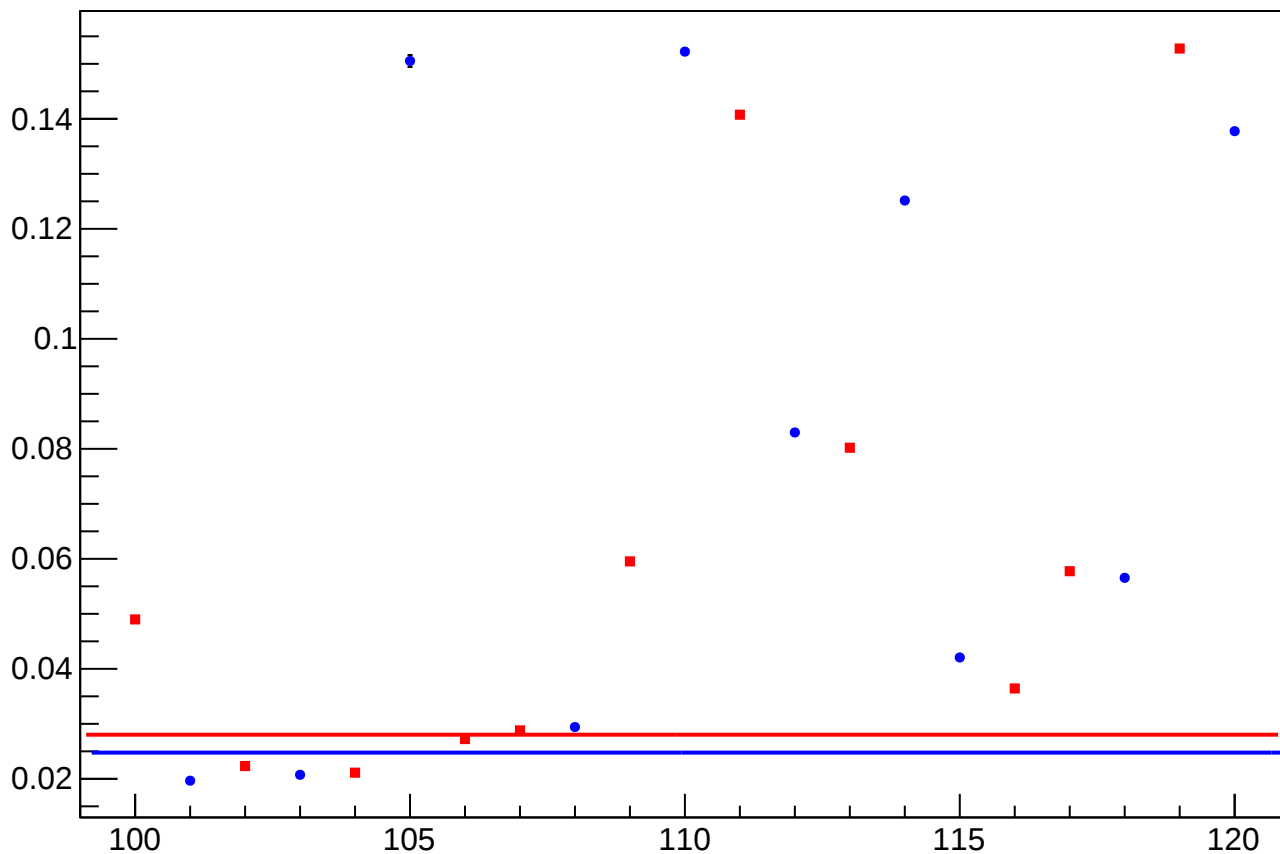
Right Out: 0.421+/-0.000  $\chi^2/\text{NDF}$ : 3623016081.0/10

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

0.573+/-0.000  $\chi^2/\text{NDF}$ : 1603881223.5/9

0.421+/-0.000  $\chi^2/\text{NDF}$ : 3623016081.0/10

# yield\_bpm1Y\_rms vs slug



Right In: 0.025+/-0.000  $\chi^2/\text{NDF}$ : 1679176.4/9

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

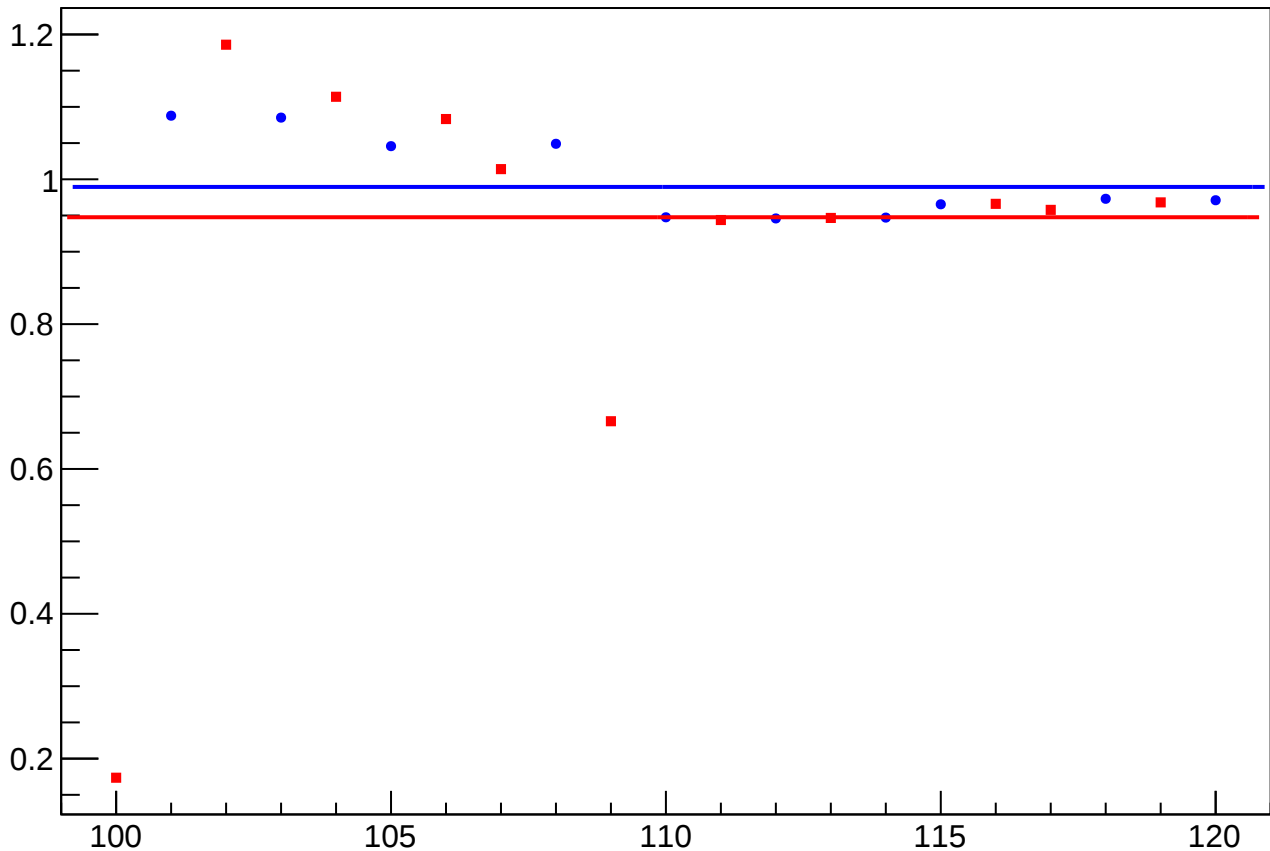
Right Out: 0.028+/-0.000  $\chi^2/\text{NDF}$ : 1889929.5/10

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

0.025+/-0.000  $\chi^2/\text{NDF}$ : 1679176.4/9

0.028+/-0.000  $\chi^2/\text{NDF}$ : 1889929.5/10

# yield\_bpm11X\_mean vs slug



Right In: 0.989+/-0.000  $\chi^2/\text{NDF}$ : 40749757.9/9

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

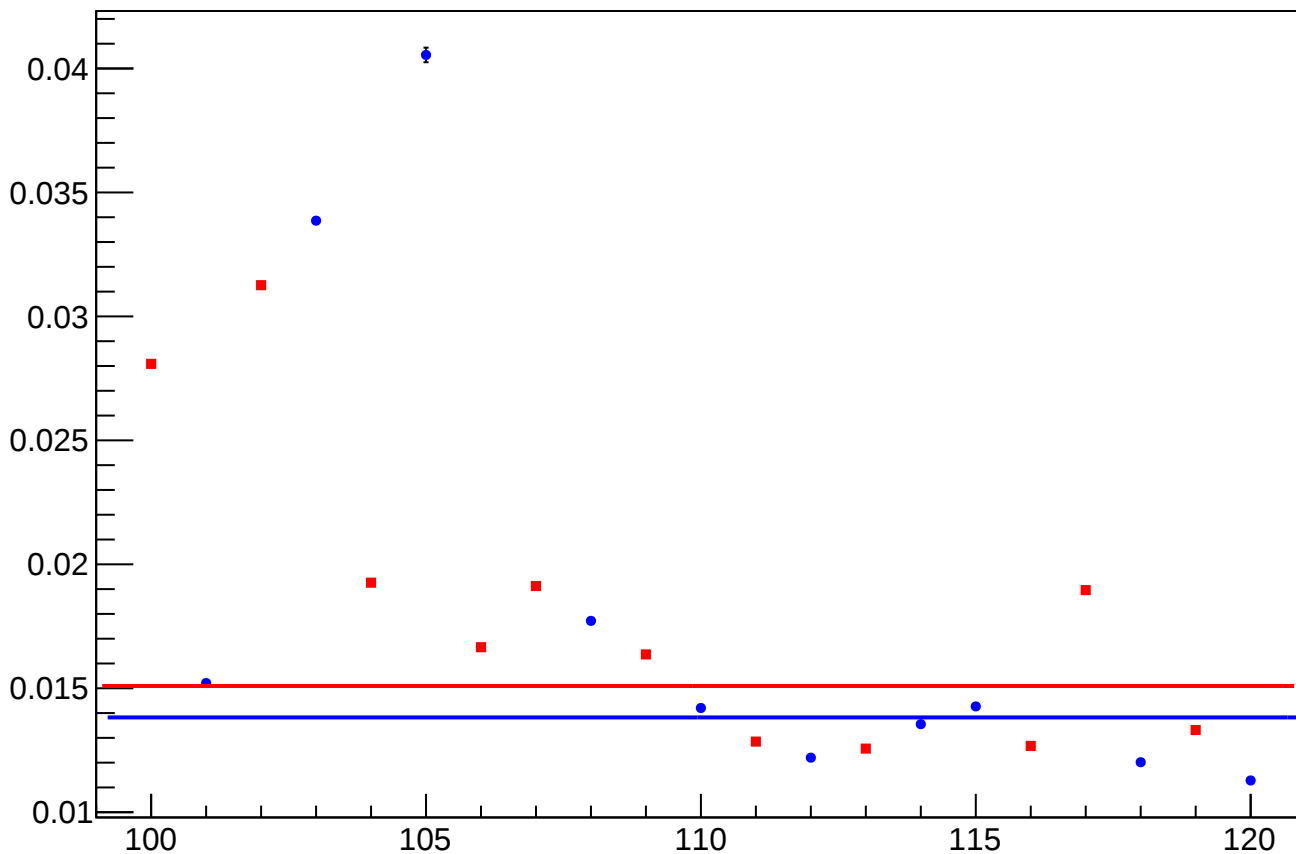
0.989+/-0.000  $\chi^2/\text{NDF}$ : 40749757.9/9

Right Out: 0.948+/-0.000  $\chi^2/\text{NDF}$ : 258035660.5/10

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

0.948+/-0.000  $\chi^2/\text{NDF}$ : 258035660.5/10

# yield\_bpm11X\_rms vs slug



Right In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 481193.4/9

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

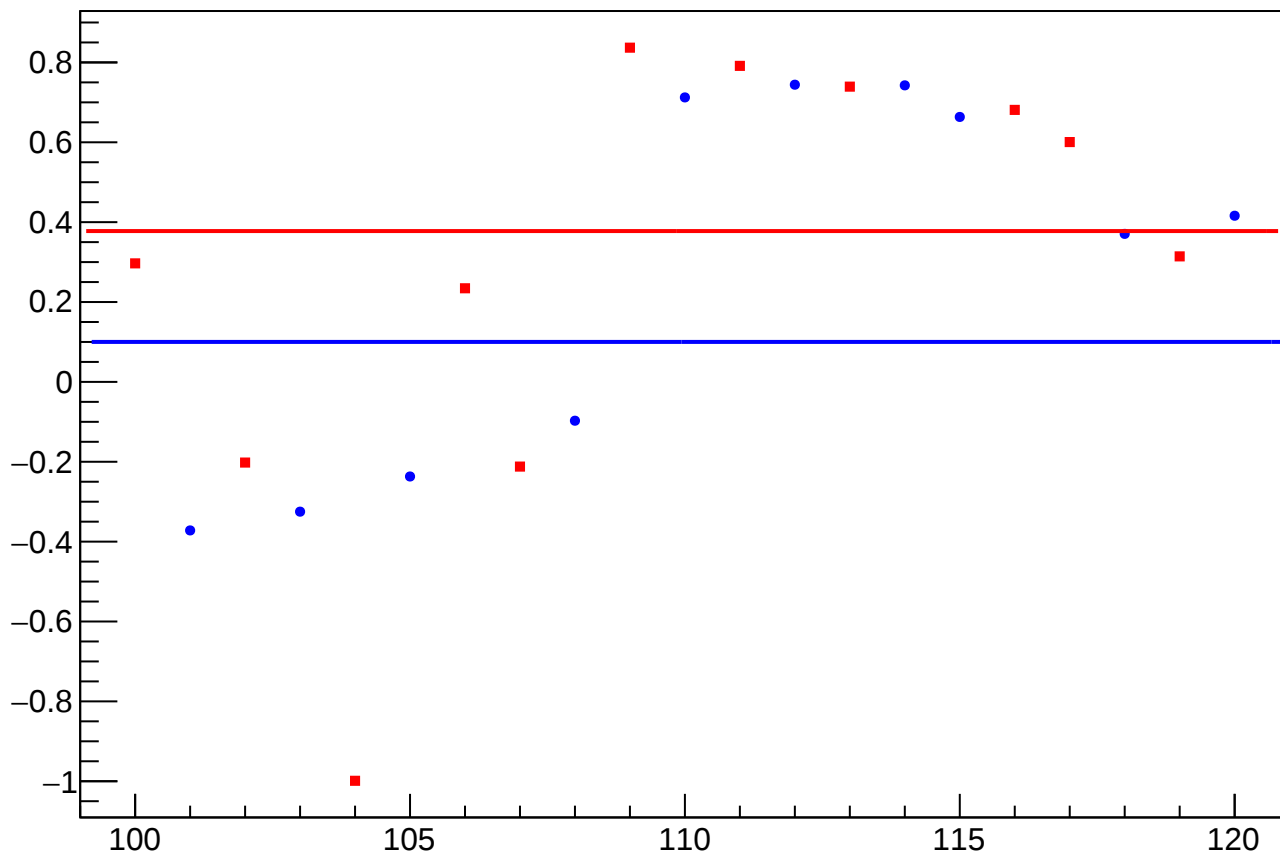
Right Out: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 452078.2/10

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

0.014+/-0.000  $\chi^2/\text{NDF}$ : 481193.4/9

0.015+/-0.000  $\chi^2/\text{NDF}$ : 452078.2/10

# yield\_bpm11Y\_mean vs slug



Right In: 0.100+/-0.000  $\chi^2/\text{NDF}$ : 1799624037.2/9

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

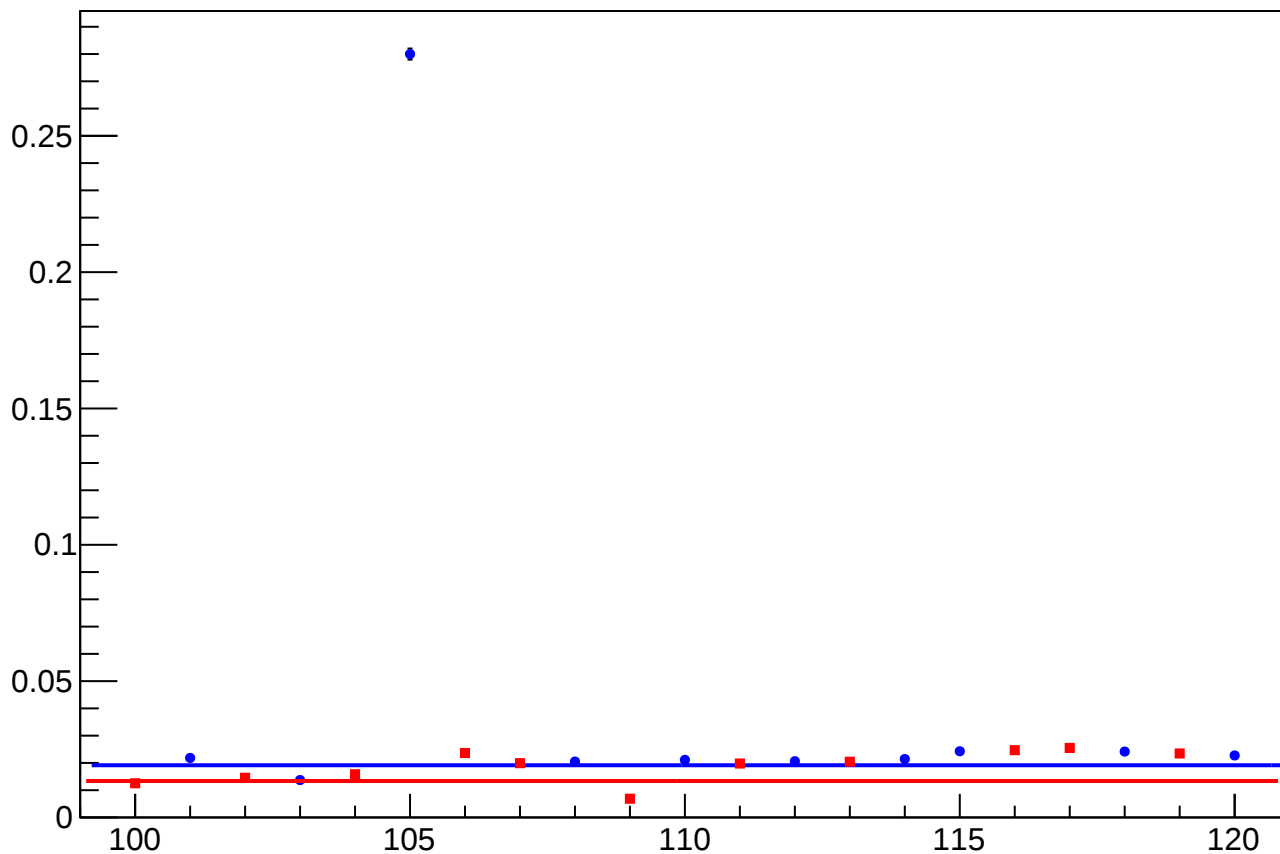
Right Out: 0.378+/-0.000  $\chi^2/\text{NDF}$ : 5905686947.6/10

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

0.100+/-0.000  $\chi^2/\text{NDF}$ : 1799624037.2/9

0.378+/-0.000  $\chi^2/\text{NDF}$ : 5905686947.6/10

# yield\_bpm11Y\_rms vs slug



Right In: 0.019+/-0.000  $\chi^2/\text{NDF}$ : 283555.8/9

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

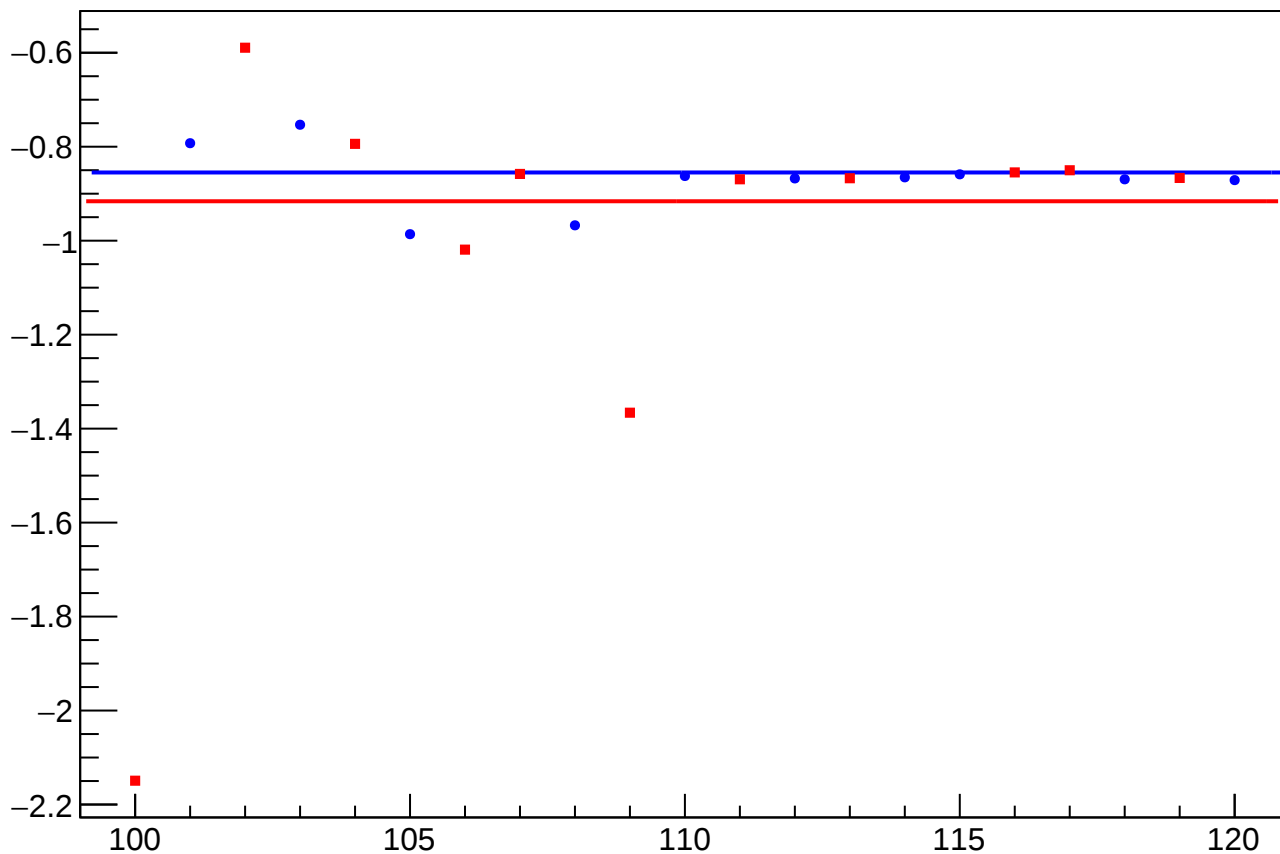
Right Out: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 1253269.5/10

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

0.019+/-0.000  $\chi^2/\text{NDF}$ : 283555.8/9

0.013+/-0.000  $\chi^2/\text{NDF}$ : 1253269.5/10

# yield\_bpm12X\_mean vs slug



Right In: -0.855+/-0.000  $\chi^2/\text{NDF}$ : 6577912.3/9

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

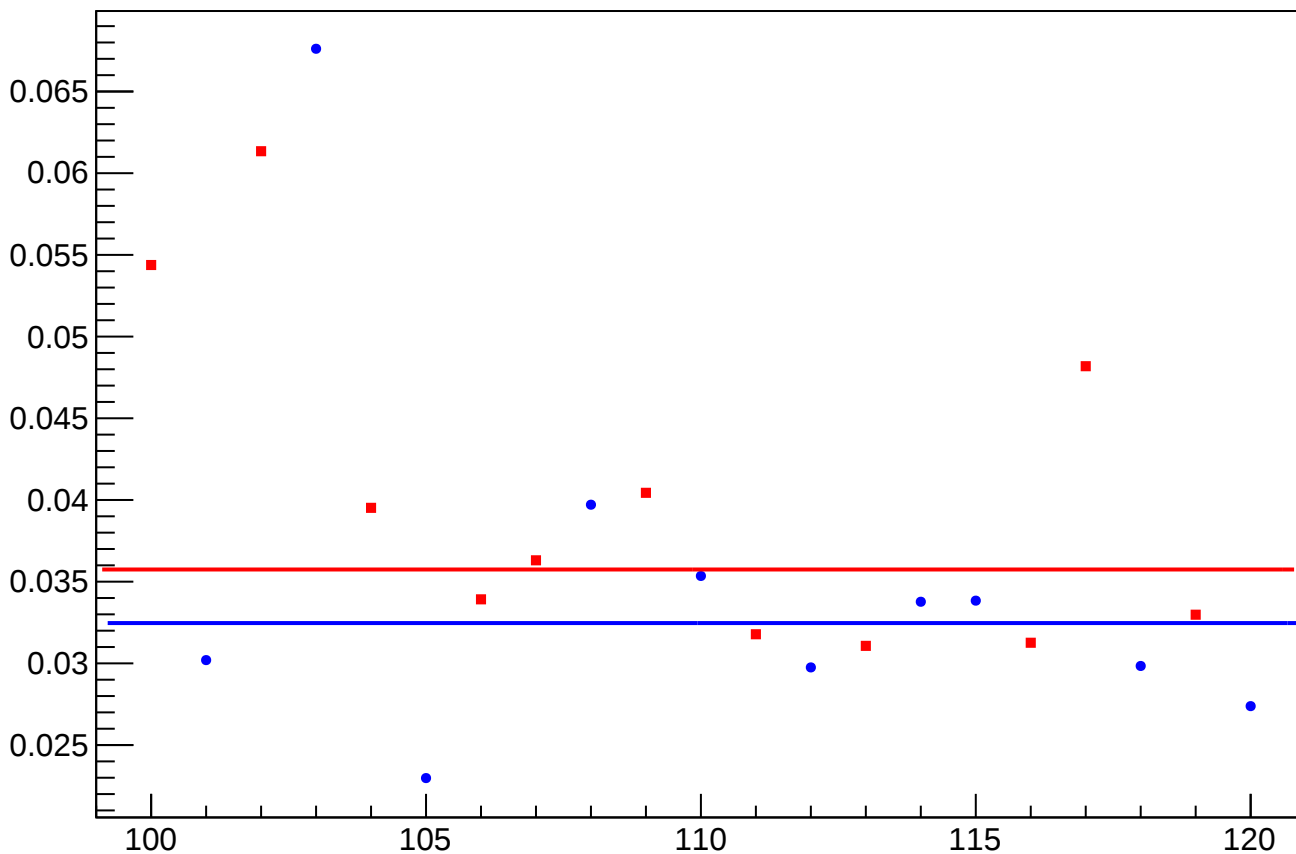
Right Out: -0.916+/-0.000  $\chi^2/\text{NDF}$ : 108356331.0/10

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

-0.855+/-0.000  $\chi^2/\text{NDF}$ : 6577912.3/9

-0.916+/-0.000  $\chi^2/\text{NDF}$ : 108356331.0/10

# yield\_bpm12X\_rms vs slug



Right In: 0.032+/-0.000  $\chi^2/\text{NDF}$ : 346795.4/9

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

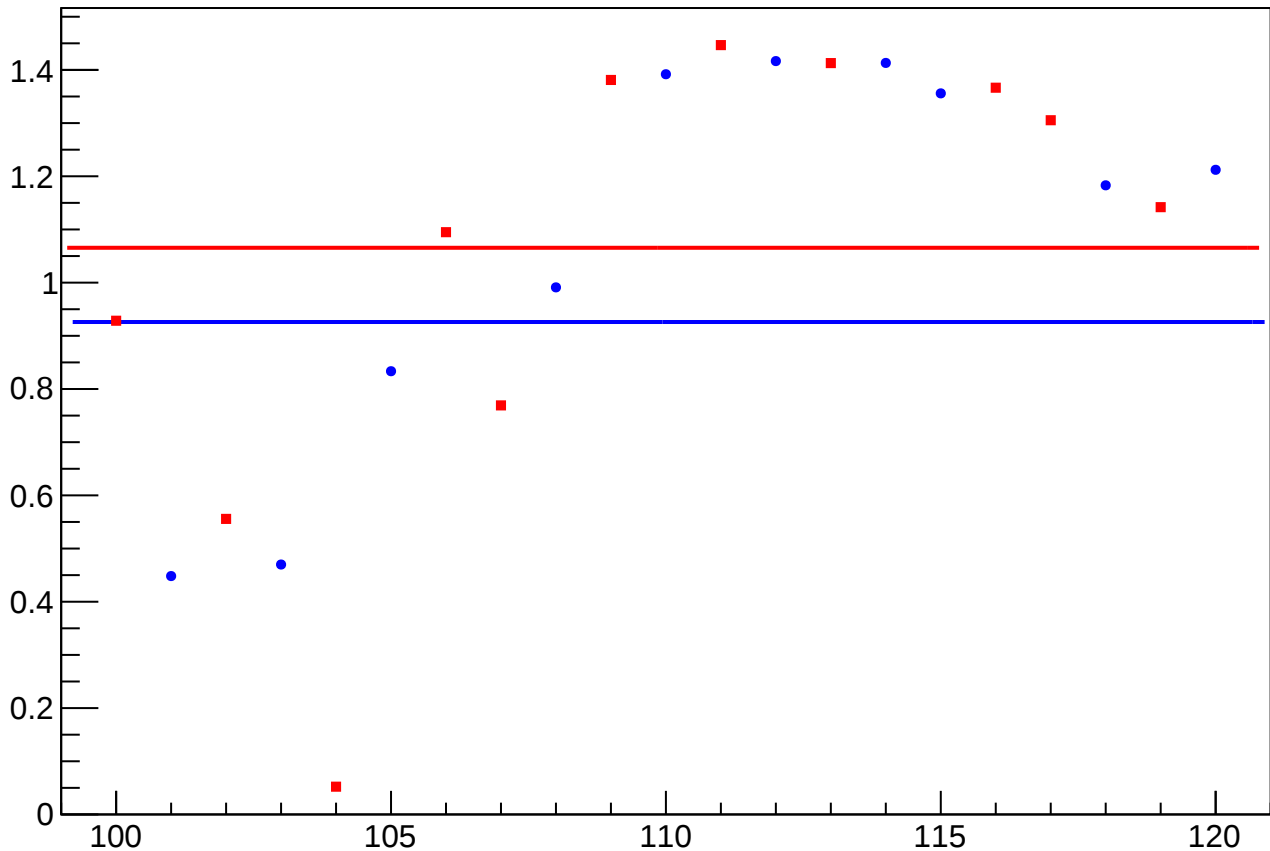
0.032+/-0.000  $\chi^2/\text{NDF}$ : 346795.4/9

Right Out: 0.036+/-0.000  $\chi^2/\text{NDF}$ : 253230.3/10

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

0.036+/-0.000  $\chi^2/\text{NDF}$ : 253230.3/10

# yield\_bpm12Y\_mean vs slug



Right In: 0.926+/-0.000  $\chi^2/\text{NDF}$ : 3010951816.9/9

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

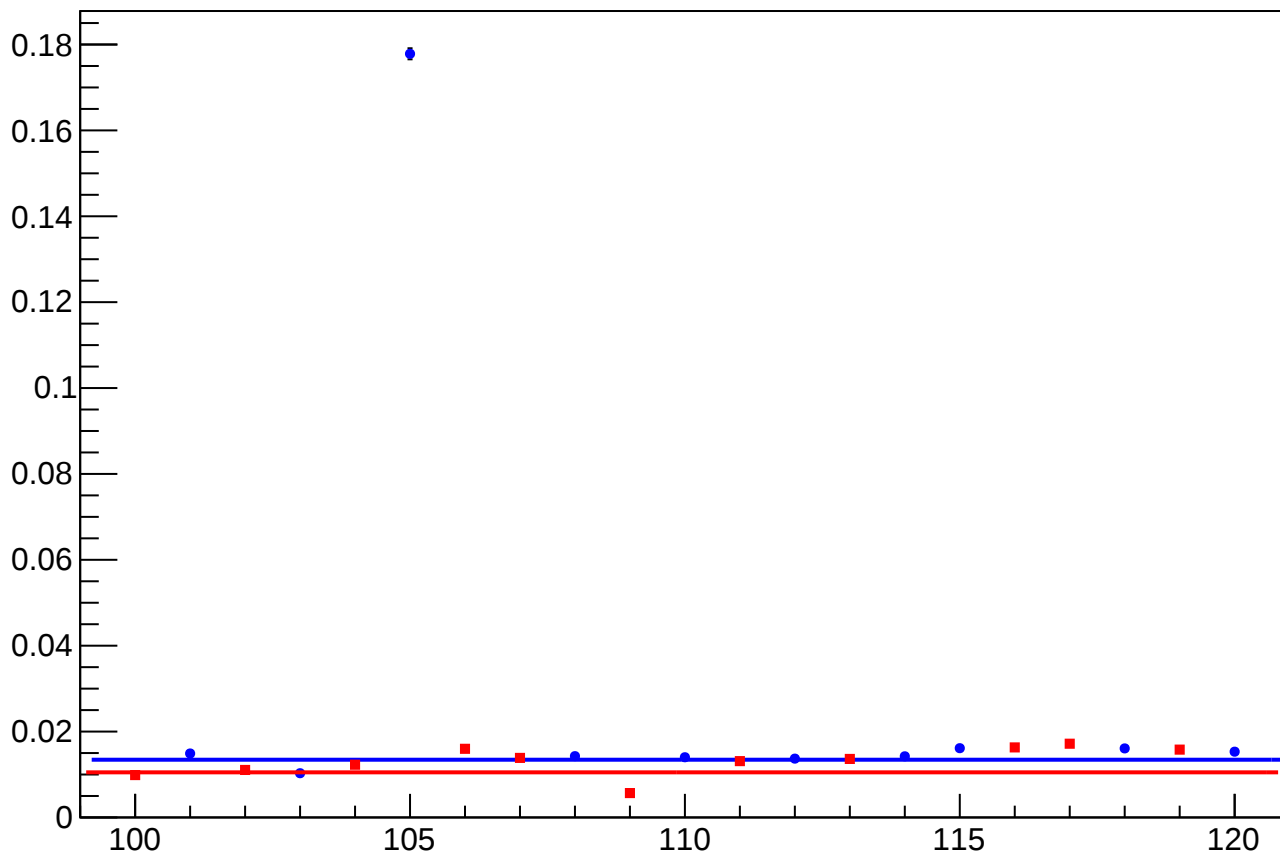
0.926+/-0.000  $\chi^2/\text{NDF}$ : 3010951816.9/9

Right Out: 1.066+/-0.000  $\chi^2/\text{NDF}$ : 5827174387.1/10

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

1.066+/-0.000  $\chi^2/\text{NDF}$ : 5827174387.1/10

# yield\_bpm12Y\_rms vs slug



Right In: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 172325.8/9

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

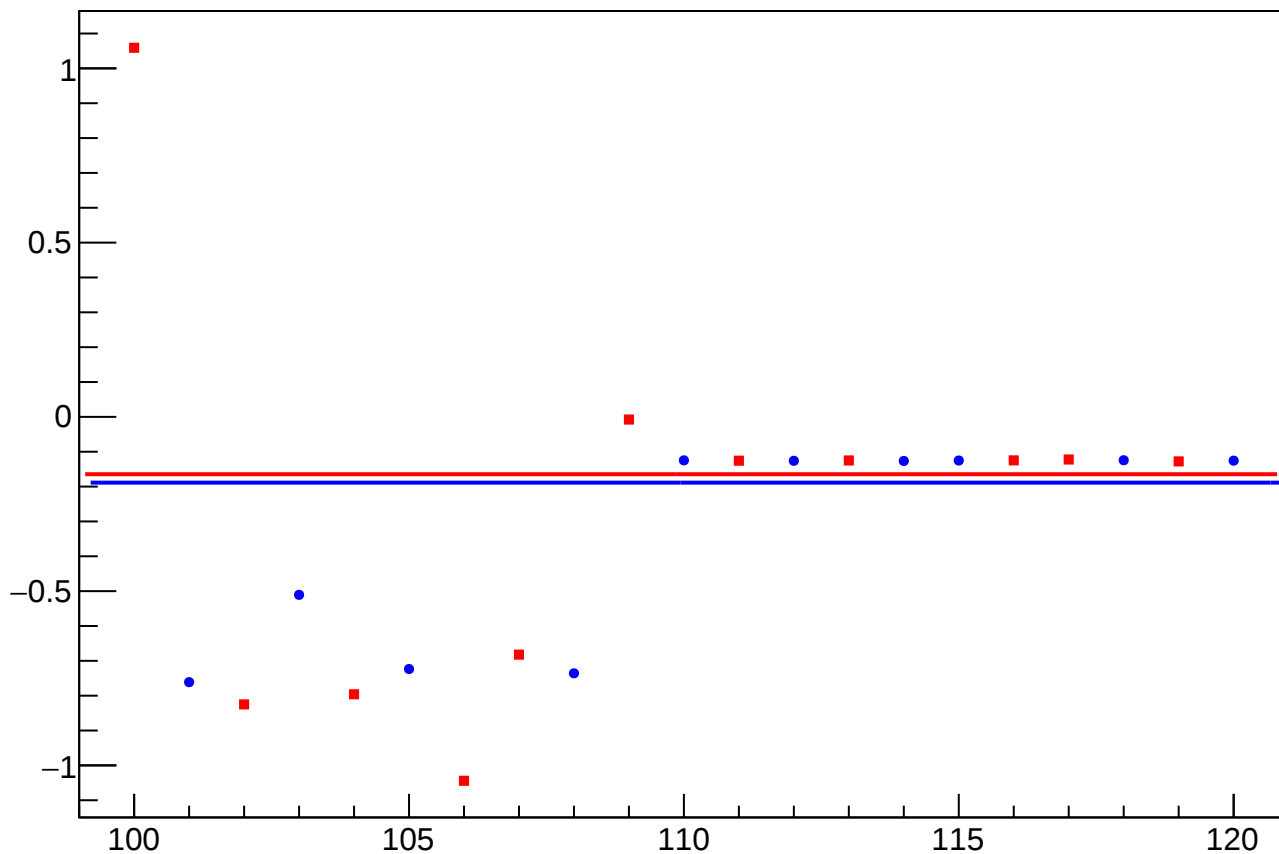
Right Out: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 836662.1/10

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

0.013+/-0.000  $\chi^2/\text{NDF}$ : 172325.8/9

0.011+/-0.000  $\chi^2/\text{NDF}$ : 836662.1/10

# yield\_bpm16X\_mean vs slug



Right In: -0.189+/-0.000  $\chi^2/\text{NDF}$ : 348925153.9/9

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

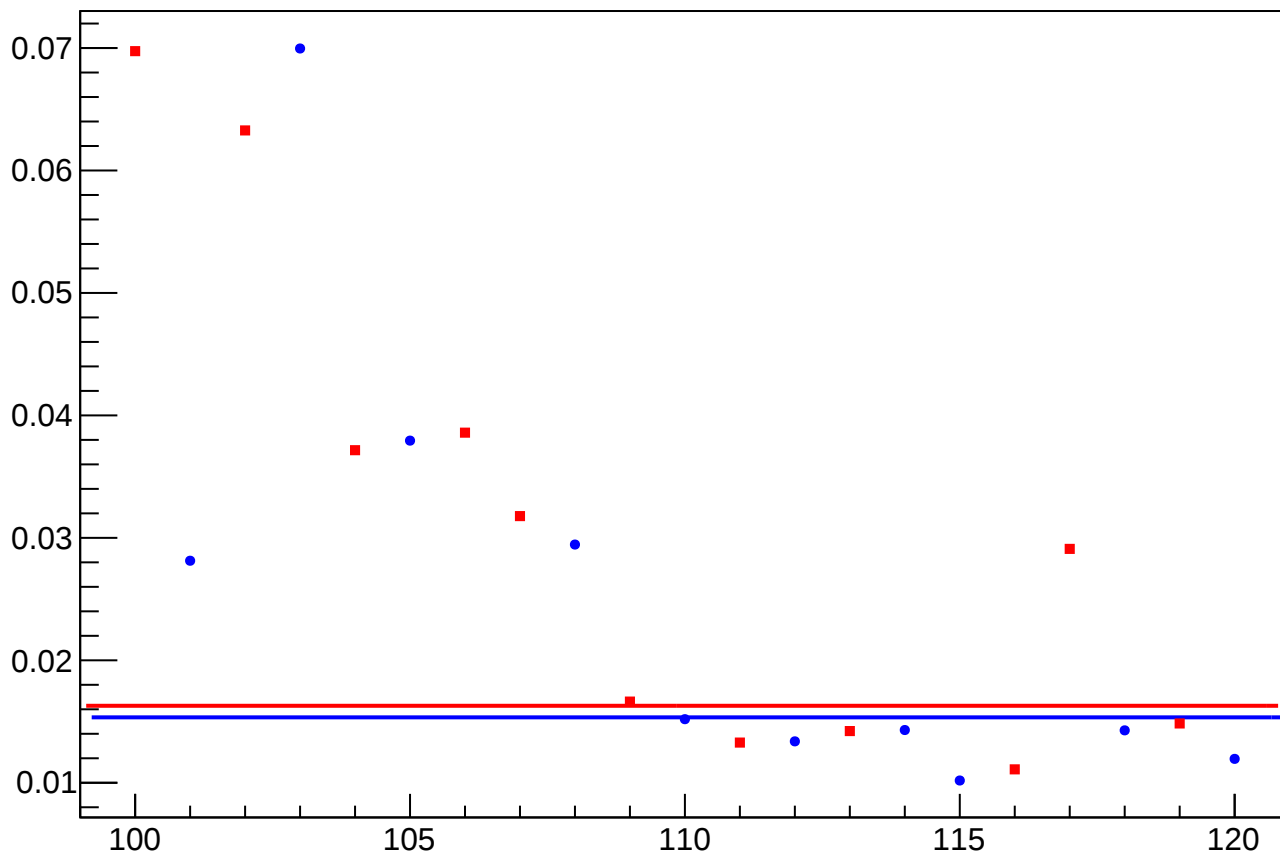
Right Out: -0.165+/-0.000  $\chi^2/\text{NDF}$ : 416942913.7/10

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

-0.189+/-0.000  $\chi^2/\text{NDF}$ : 348925153.9/9

-0.165+/-0.000  $\chi^2/\text{NDF}$ : 416942913.7/10

# yield\_bpm16X\_rms vs slug



Right In: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 1120295.9/9

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

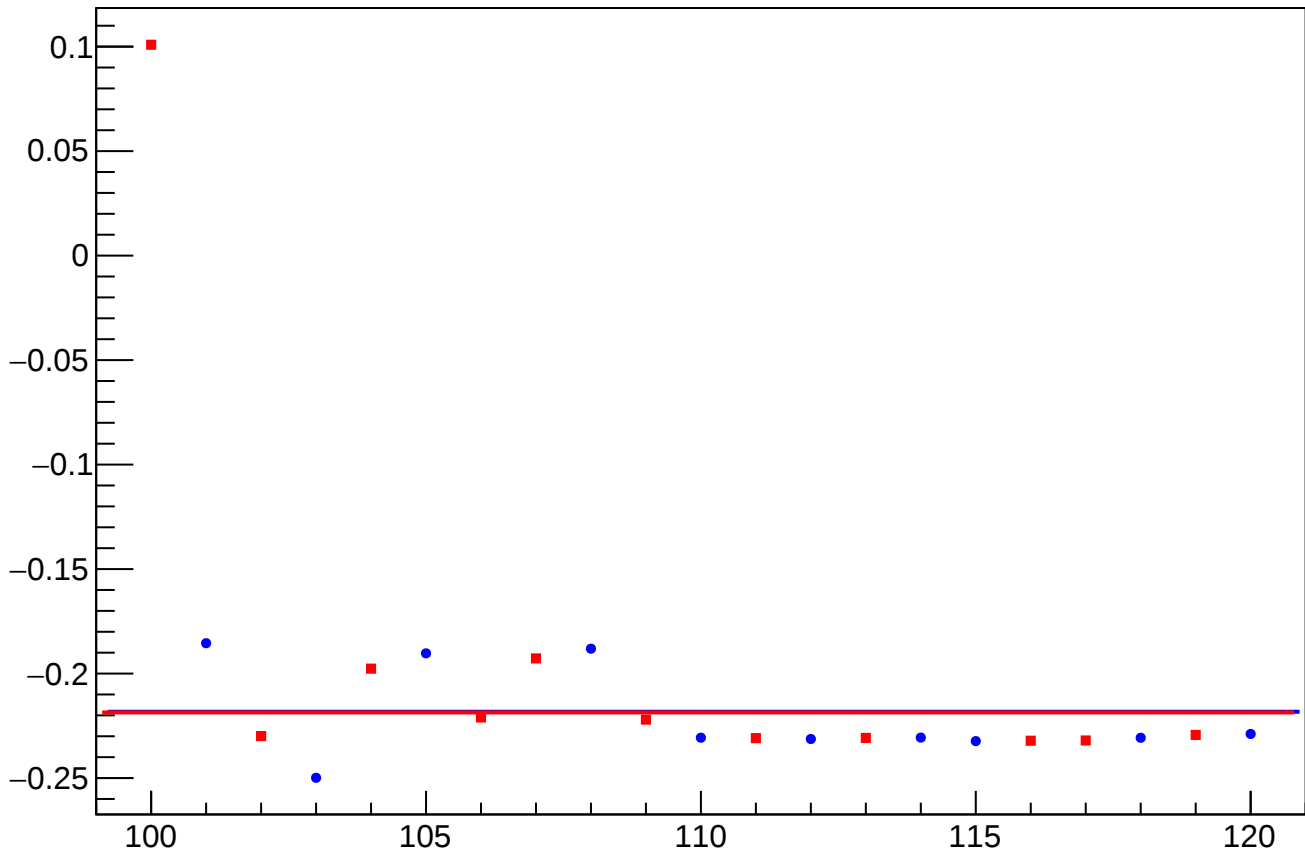
Right Out: 0.016+/-0.000  $\chi^2/\text{NDF}$ : 1281218.6/10

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

0.015+/-0.000  $\chi^2/\text{NDF}$ : 1120295.9/9

0.016+/-0.000  $\chi^2/\text{NDF}$ : 1281218.6/10

yield\_bpm16Y\_mean vs slug



Right In: -0.218+/-0.000  $\chi^2/\text{NDF}$ : 65882020.0/9

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

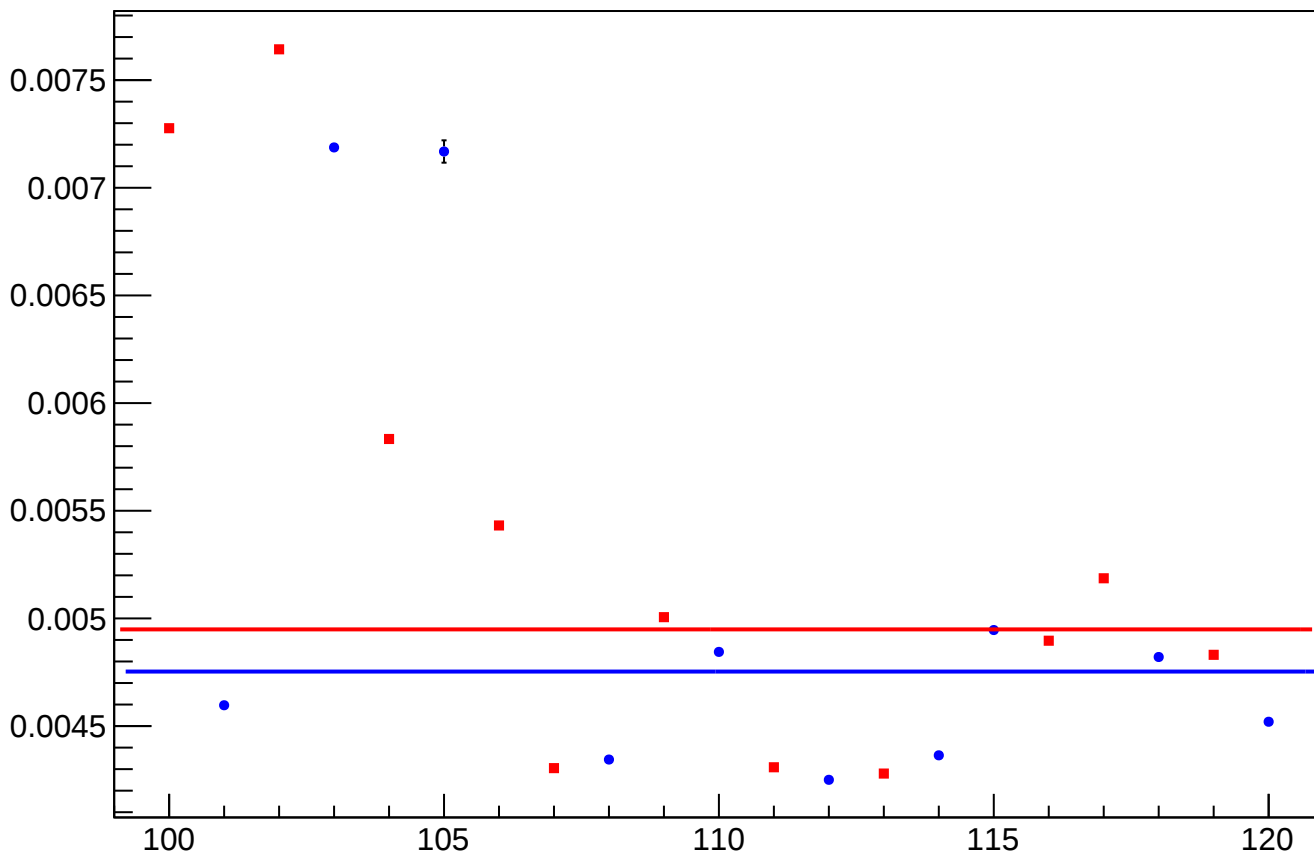
-0.218+/-0.000  $\chi^2/\text{NDF}$ : 65882020.0/9

Right Out: -0.219+/-0.000  $\chi^2/\text{NDF}$ : 160079454.5/10

-0.219+/-0.000  $\chi^2/\text{NDF}$ : 160079454.5/10

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

# yield\_bpm16Y\_rms vs slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 146552.0/9

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

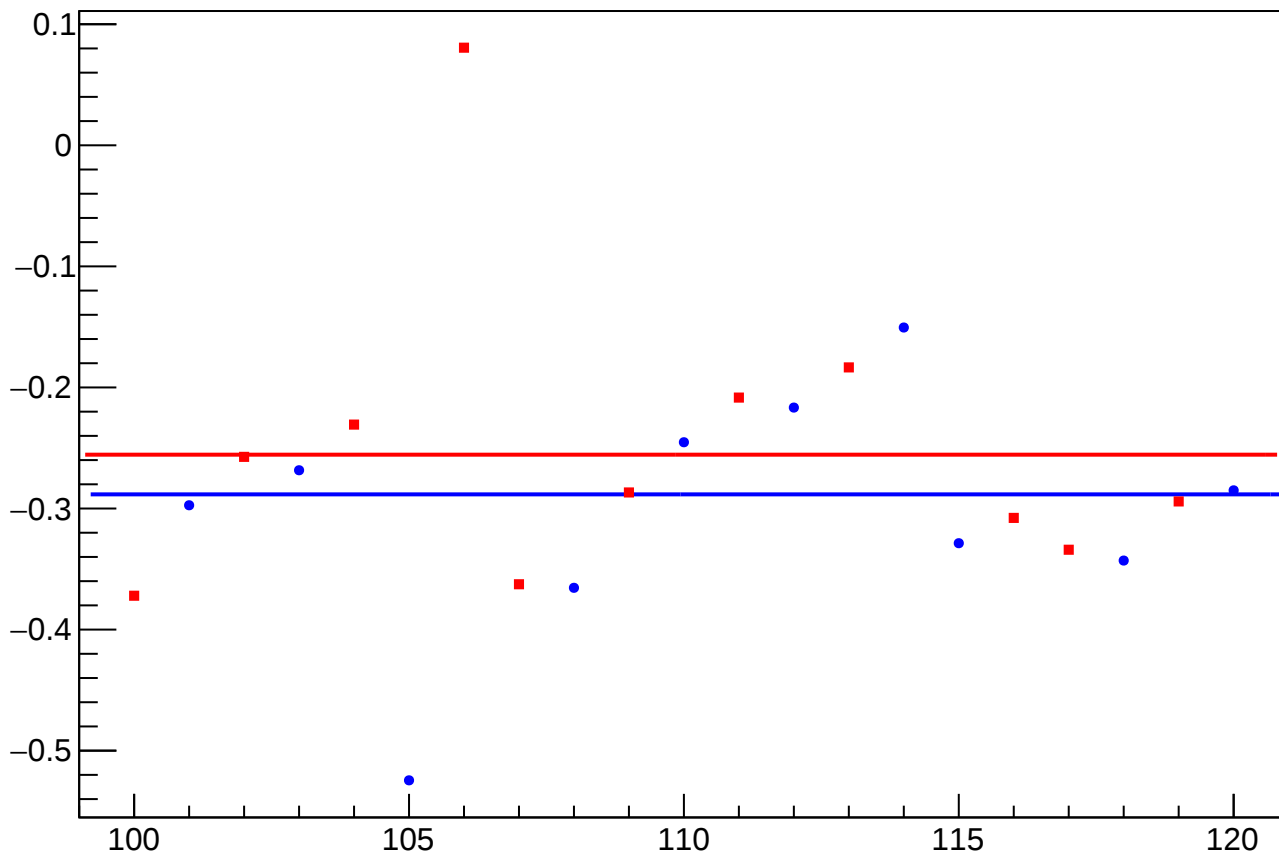
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 216289.4/10

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

0.005+/-0.000  $\chi^2/\text{NDF}$ : 146552.0/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 216289.4/10

# yield\_bpm0i02X\_mean vs slug



Right In: -0.288+/-0.000  $\chi^2/\text{NDF}$ : 221208271.9/9

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

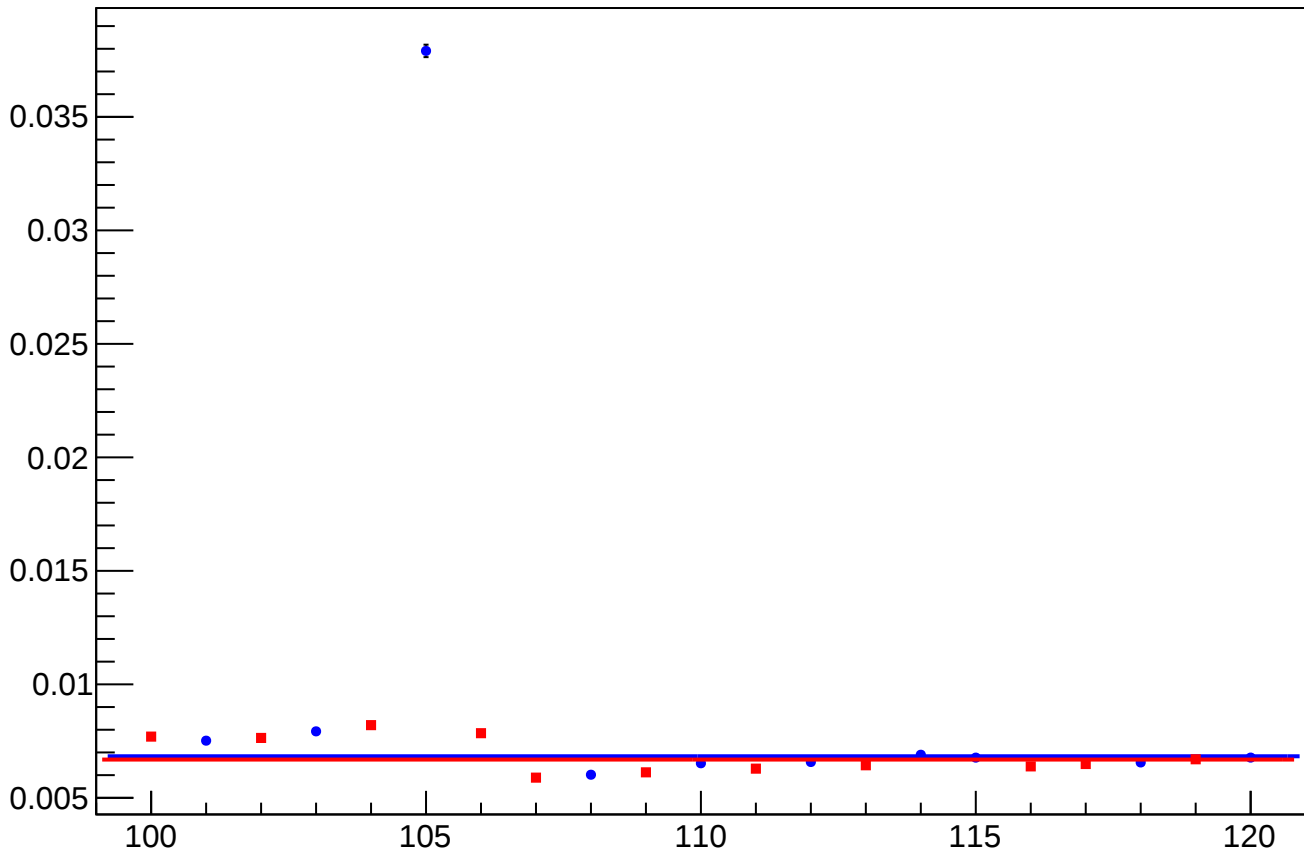
Right Out: -0.256+/-0.000  $\chi^2/\text{NDF}$ : 617064979.8/10

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

-0.288+/-0.000  $\chi^2/\text{NDF}$ : 221208271.9/9

-0.256+/-0.000  $\chi^2/\text{NDF}$ : 617064979.8/10

yield\_bpm0i02X\_rms vs slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 62507.0/9

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

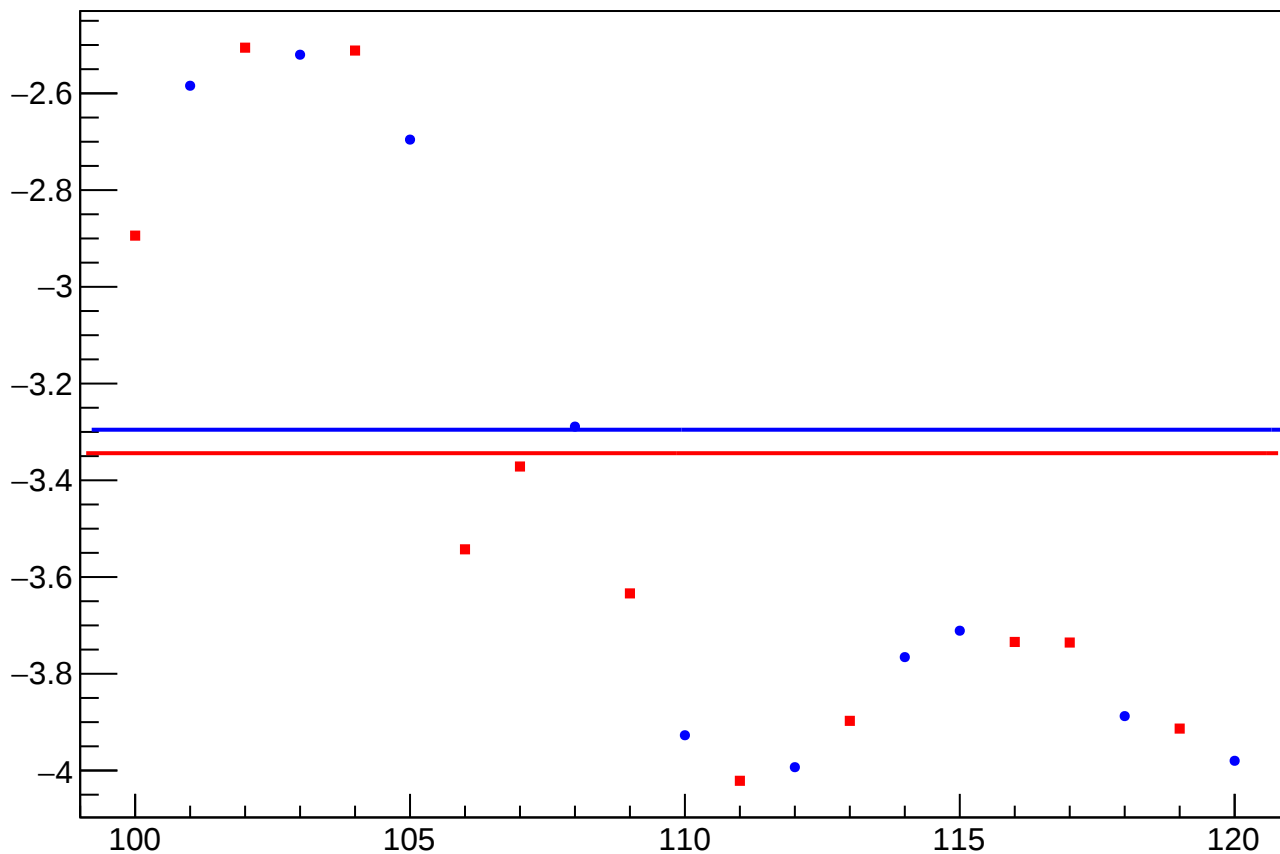
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 87904.1/10

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

0.007+/-0.000  $\chi^2/\text{NDF}$ : 62507.0/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 87904.1/10

# yield\_bpm0i02Y\_mean vs slug



Right In: -3.295+/-0.000  $\chi^2/\text{NDF}$ : 22553600447.5/9

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

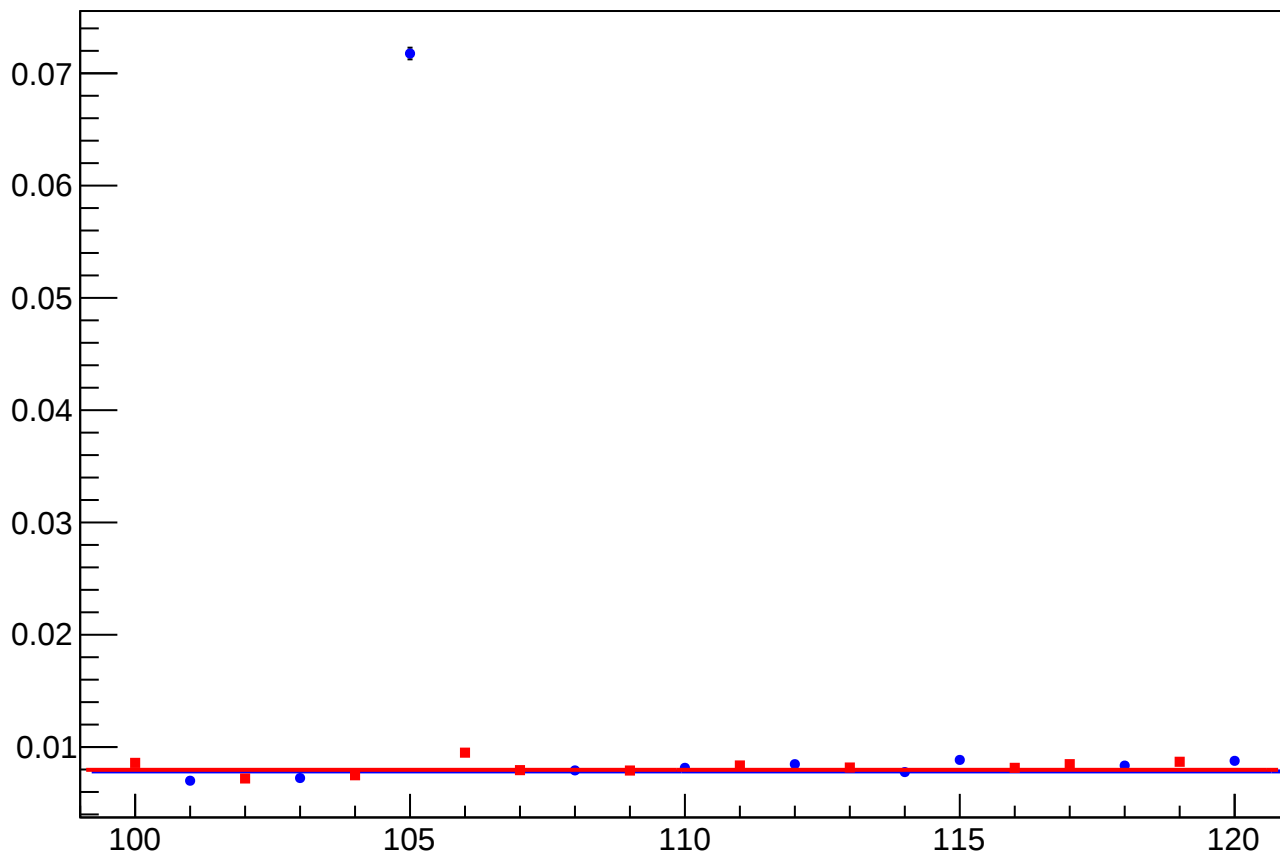
Right Out: -3.344+/-0.000  $\chi^2/\text{NDF}$ : 21558323722.6/10

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

-3.295+/-0.000  $\chi^2/\text{NDF}$ : 22553600447.5/9

-3.344+/-0.000  $\chi^2/\text{NDF}$ : 21558323722.6/10

yield\_bpm0i02Y\_rms vs slug



Right In: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 59833.9/9

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

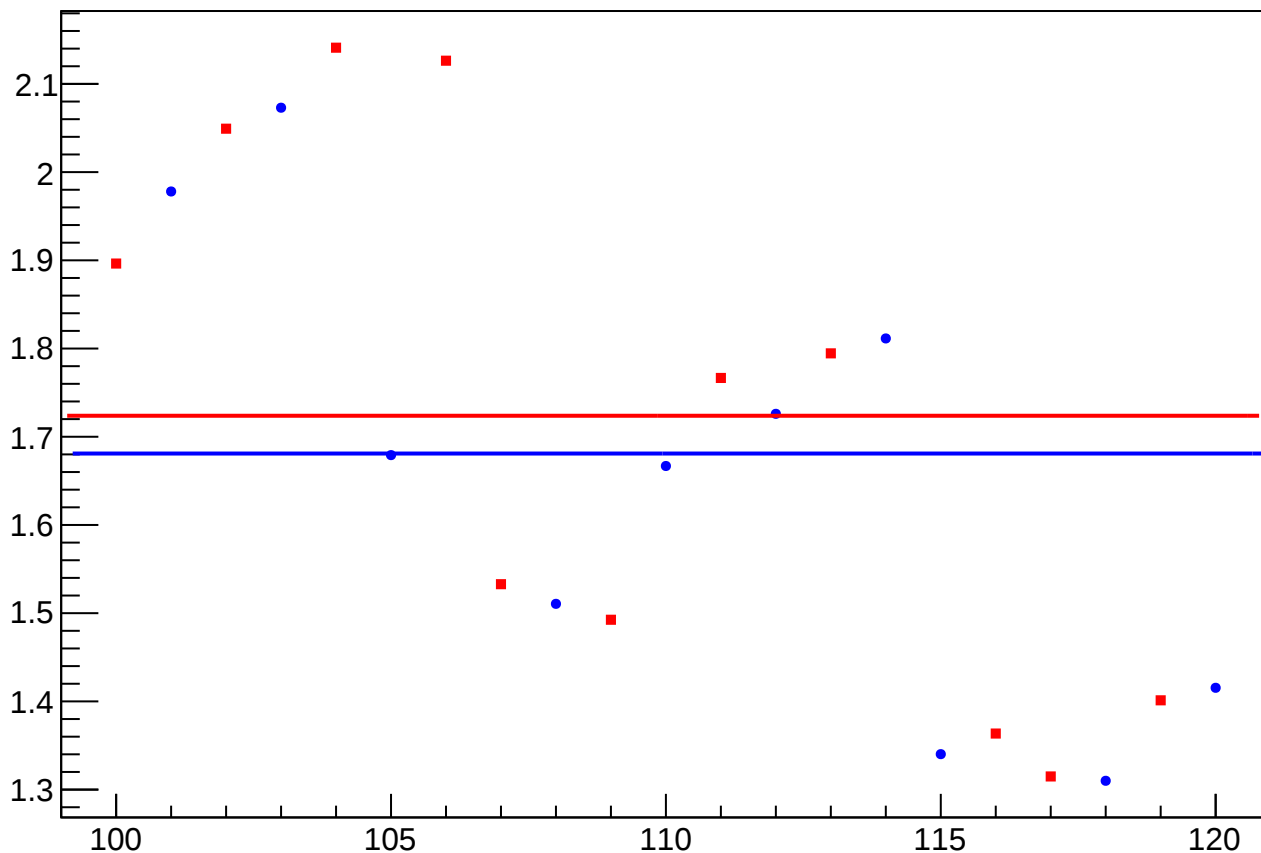
Right Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 34227.5/10

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

0.008+/-0.000  $\chi^2/\text{NDF}$ : 59833.9/9

0.008+/-0.000  $\chi^2/\text{NDF}$ : 34227.5/10

# yield\_bpm0i02aX\_mean vs slug



Right In: 1.681+/-0.000  $\chi^2/\text{NDF}$ : 1526850164.4/9

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

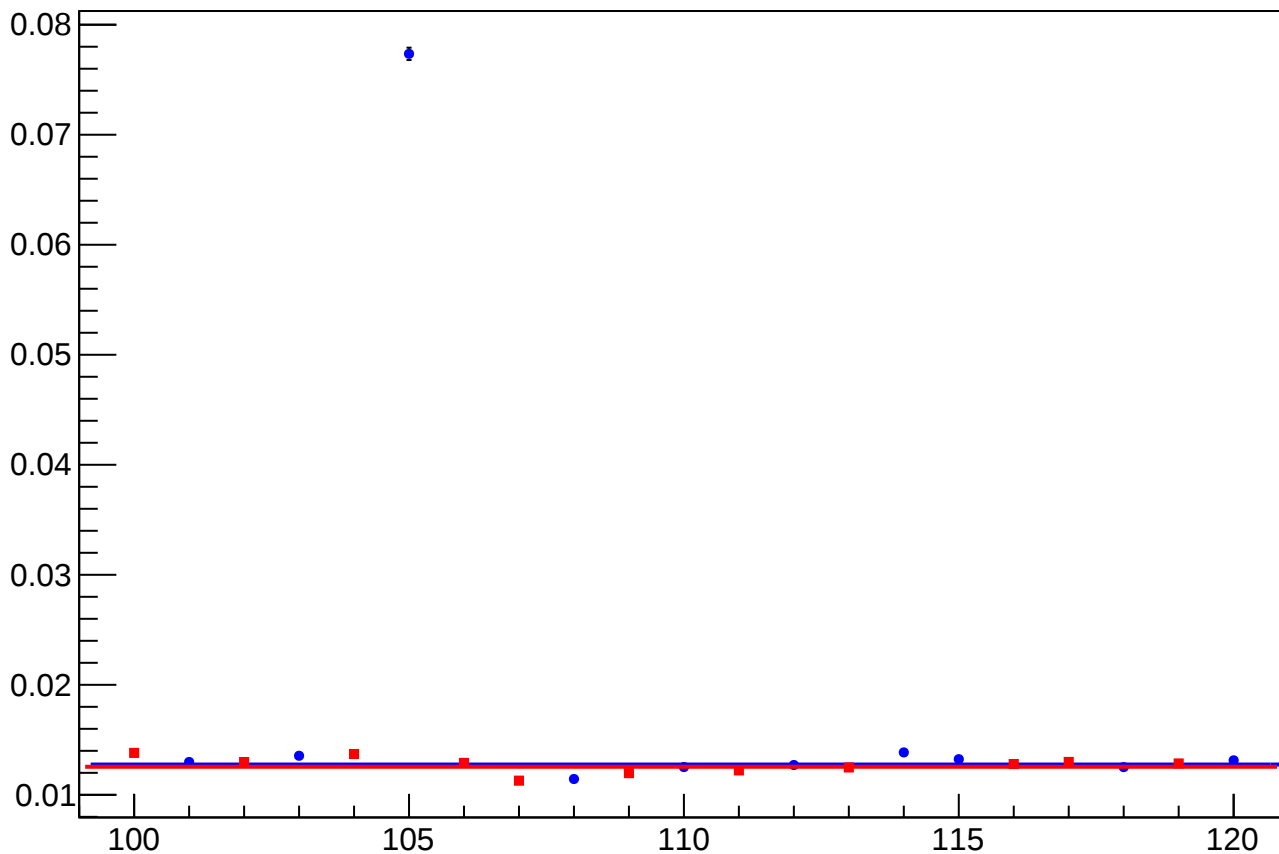
Right Out: 1.724+/-0.000  $\chi^2/\text{NDF}$ : 1832983174.2/10

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

1.681+/-0.000  $\chi^2/\text{NDF}$ : 1526850164.4/9

1.724+/-0.000  $\chi^2/\text{NDF}$ : 1832983174.2/10

# yield\_bpm0i02aX\_rms vs slug



Right In: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 30433.9/9

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

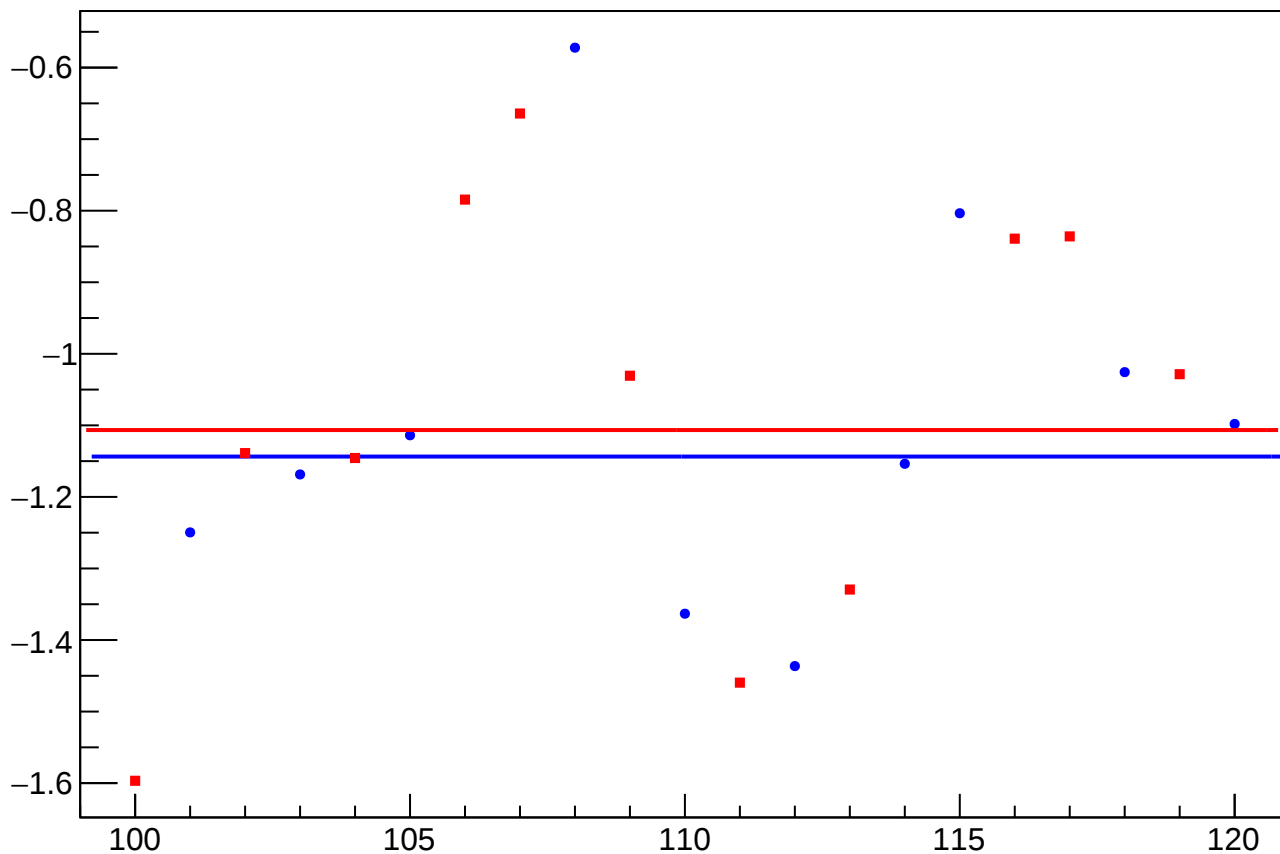
0.013+/-0.000  $\chi^2/\text{NDF}$ : 30433.9/9

Right Out: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 22140.4/10

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

0.013+/-0.000  $\chi^2/\text{NDF}$ : 22140.4/10

yield\_bpm0i02aY\_mean vs slug



Right In: -1.144+/-0.000  $\chi^2/\text{NDF}$ : 2238530713.0/9

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

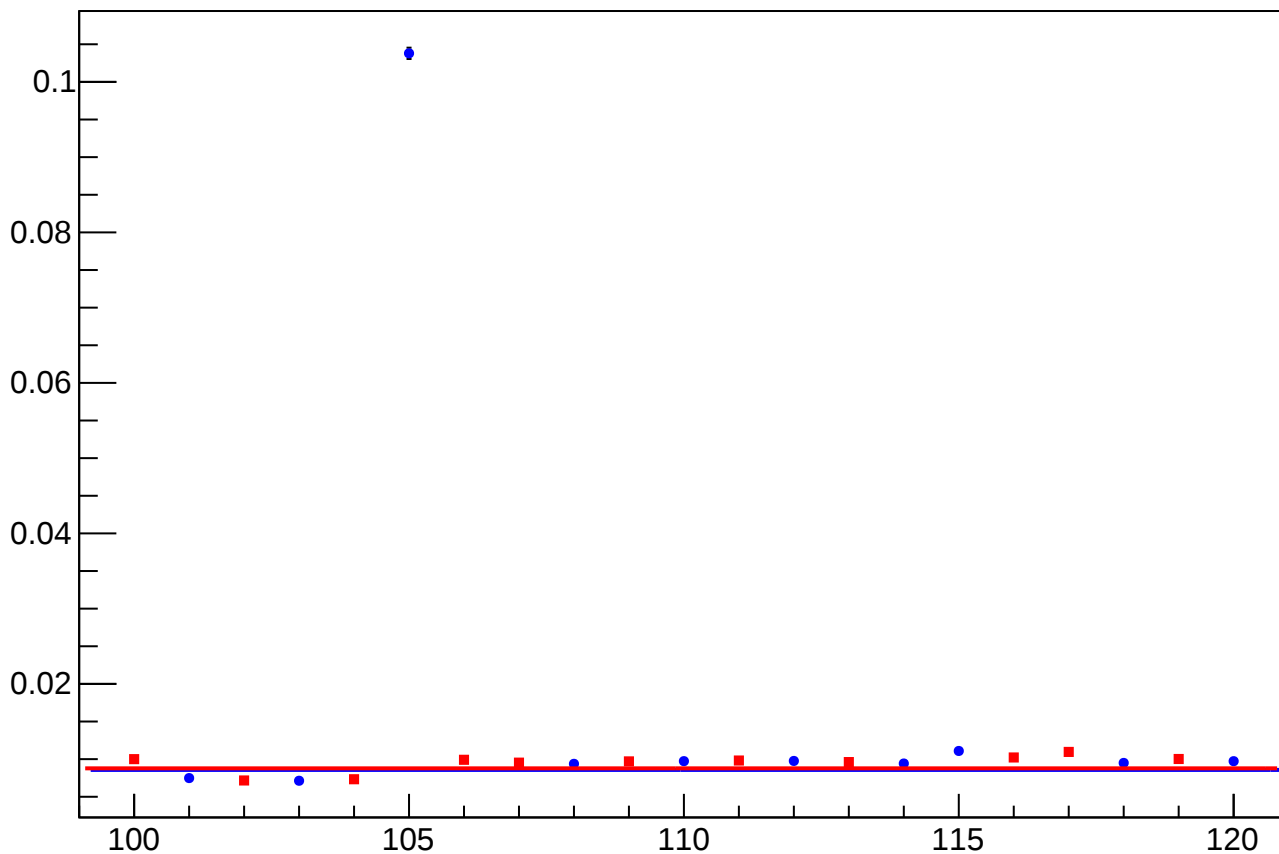
Right Out: -1.107+/-0.000  $\chi^2/\text{NDF}$ : 2079269099.2/10

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

-1.144+/-0.000  $\chi^2/\text{NDF}$ : 2238530713.0/9

-1.107+/-0.000  $\chi^2/\text{NDF}$ : 2079269099.2/10

# yield\_bpm0i02aY\_rms vs slug



Right In: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 146086.9/9

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

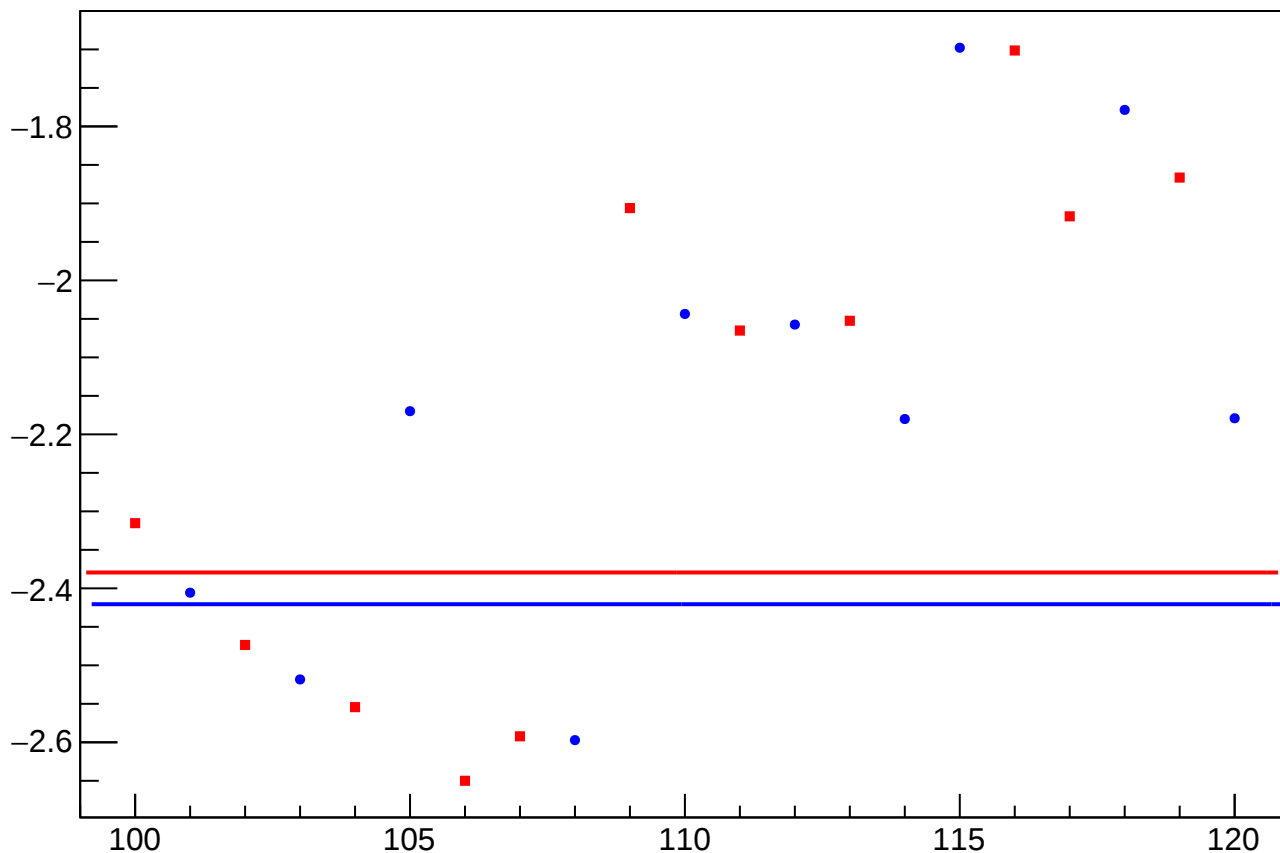
Right Out: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 151364.4/10

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

0.009+/-0.000  $\chi^2/\text{NDF}$ : 146086.9/9

0.009+/-0.000  $\chi^2/\text{NDF}$ : 151364.4/10

# yield\_bpm0i05X\_mean vs slug



Right In: -2.421+/-0.000  $\chi^2/\text{NDF}$ : 1721891692.7/9

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

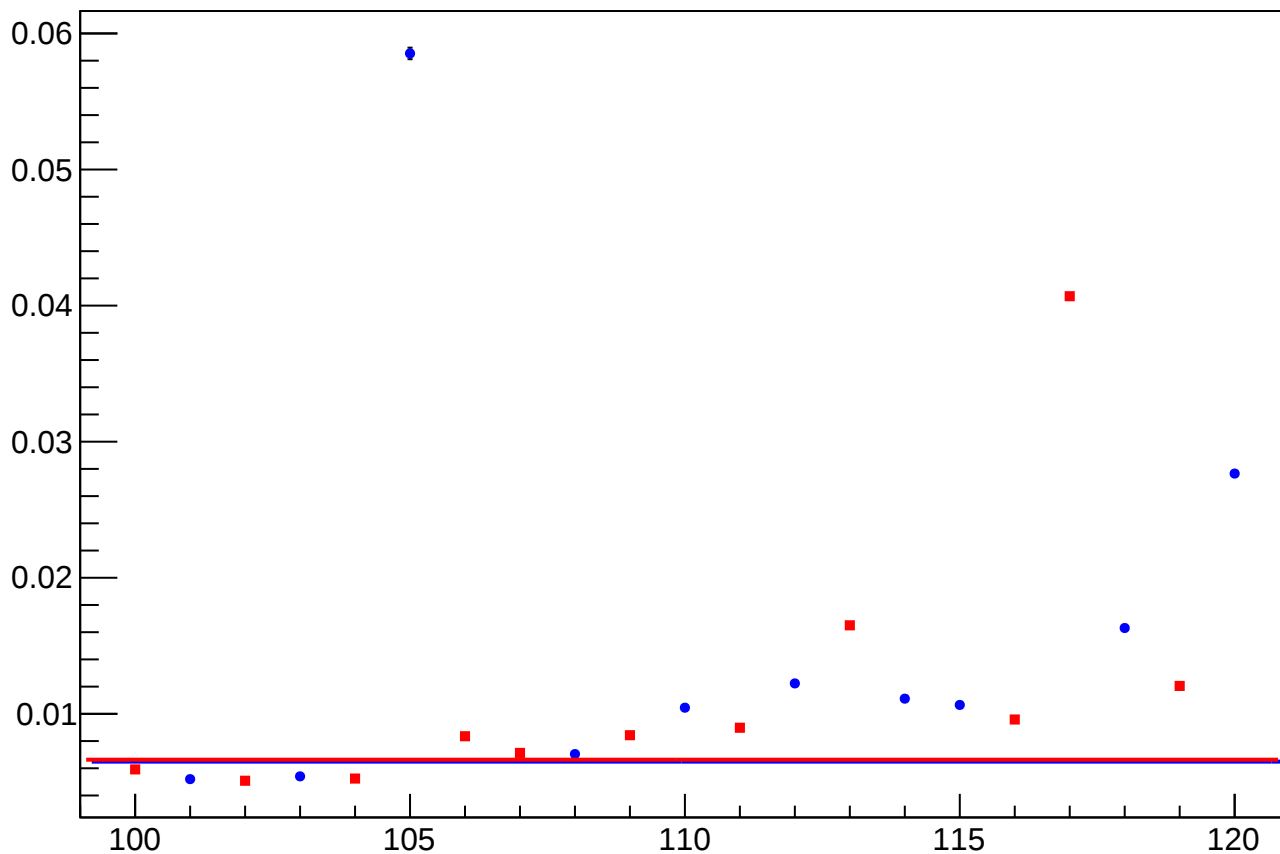
Right Out: -2.379+/-0.000  $\chi^2/\text{NDF}$ : 4432958706.6/10

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

-2.421+/-0.000  $\chi^2/\text{NDF}$ : 1721891692.7/9

-2.379+/-0.000  $\chi^2/\text{NDF}$ : 4432958706.6/10

# yield\_bpm0i05X\_rms vs slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 890172.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

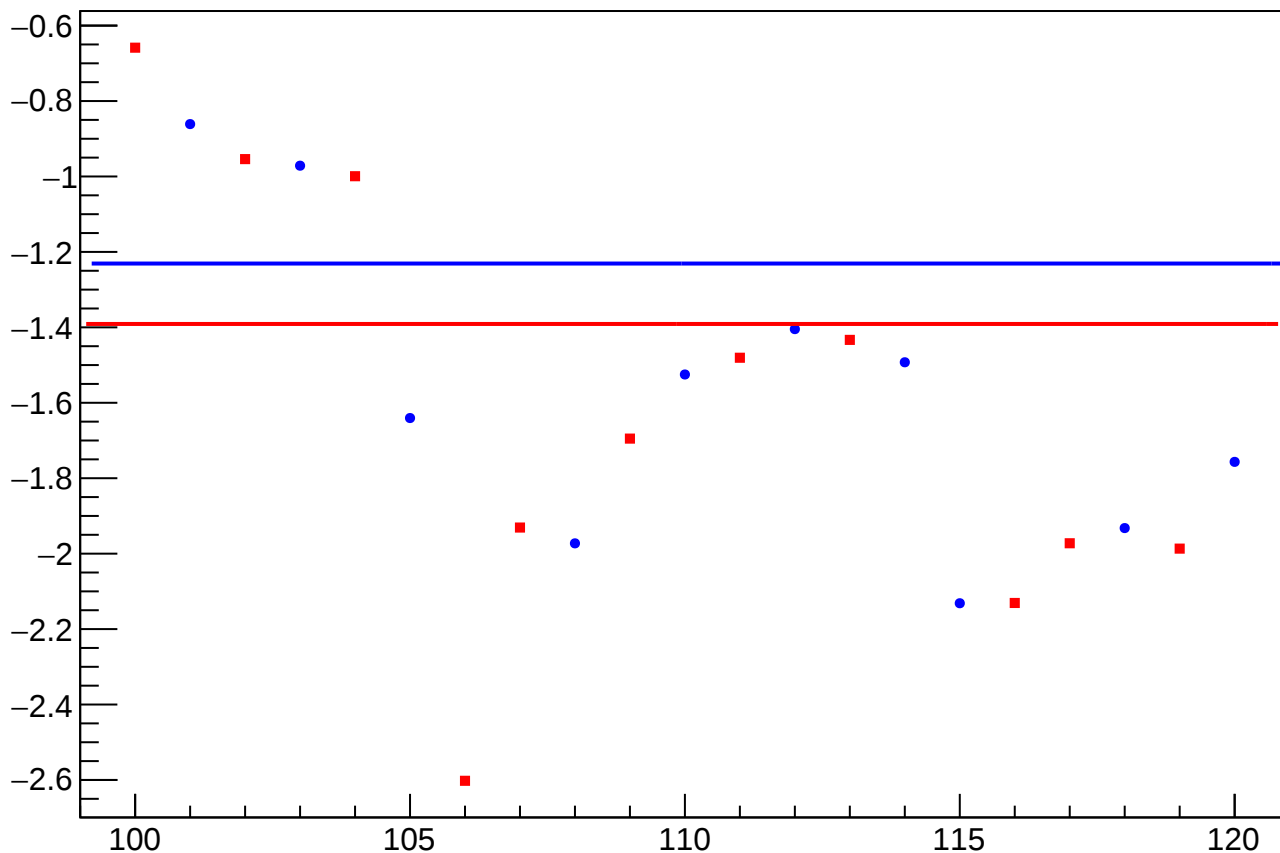
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 670939.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 890172.4/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 670939.2/10

# yield\_bpm0i05Y\_mean vs slug



Right In: -1.231+/-0.000  $\chi^2/\text{NDF}$ : 11697229940.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

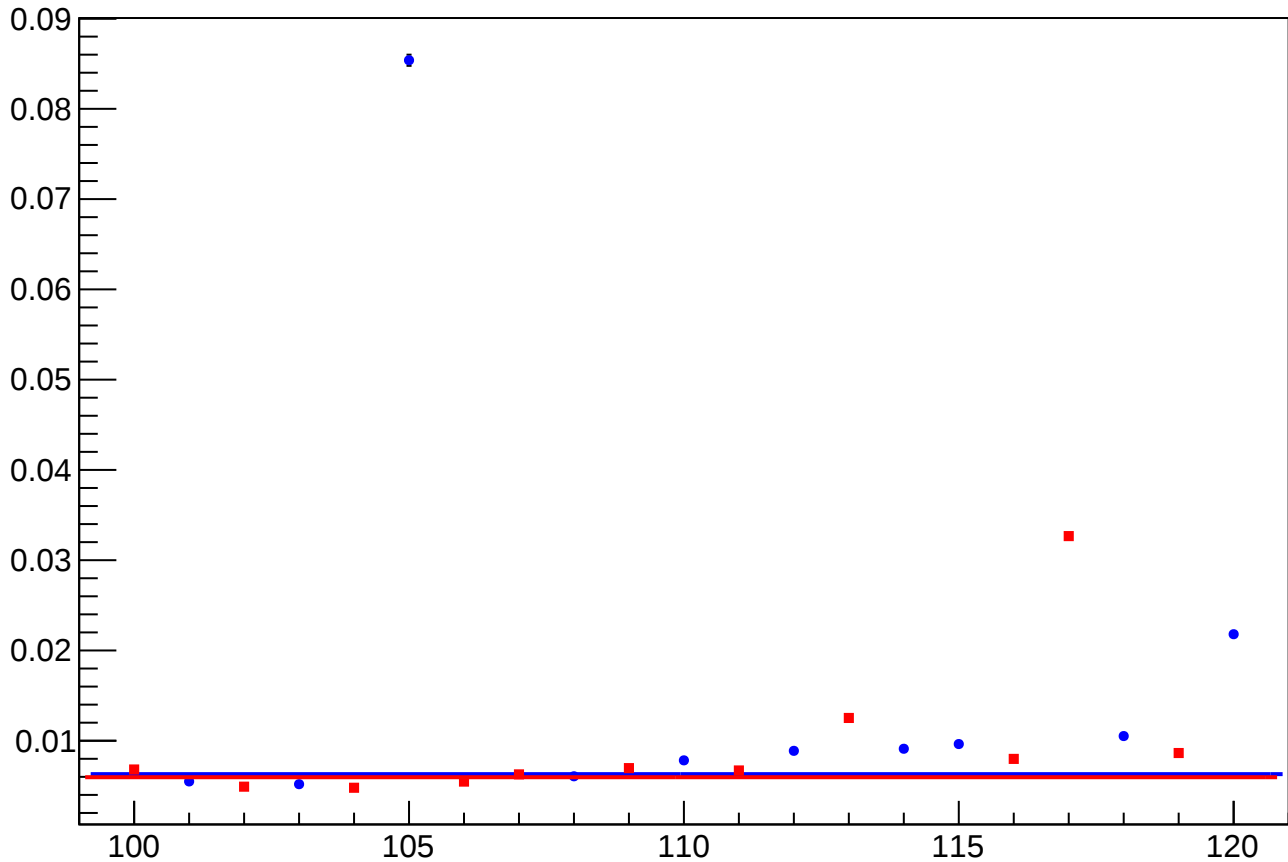
Right Out: -1.391+/-0.000  $\chi^2/\text{NDF}$ : 20561935628.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.231+/-0.000  $\chi^2/\text{NDF}$ : 11697229940.3/9

-1.391+/-0.000  $\chi^2/\text{NDF}$ : 20561935628.5/10

yield\_bpm0i05Y\_rms vs slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 534589.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

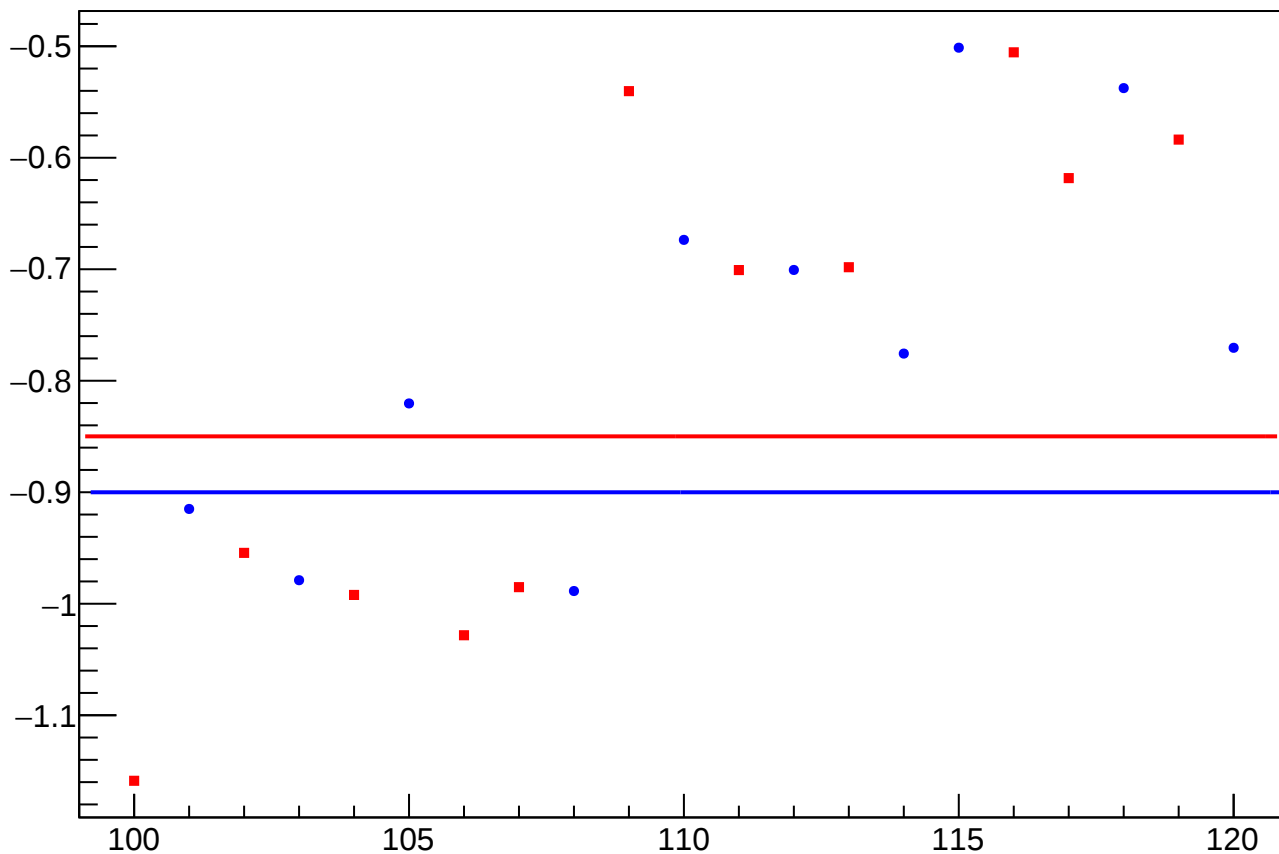
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 394188.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 534589.1/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 394188.8/10

# yield\_bpm0i07X\_mean vs slug



Right In: -0.900+/-0.000  $\chi^2/\text{NDF}$ : 1417439337.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

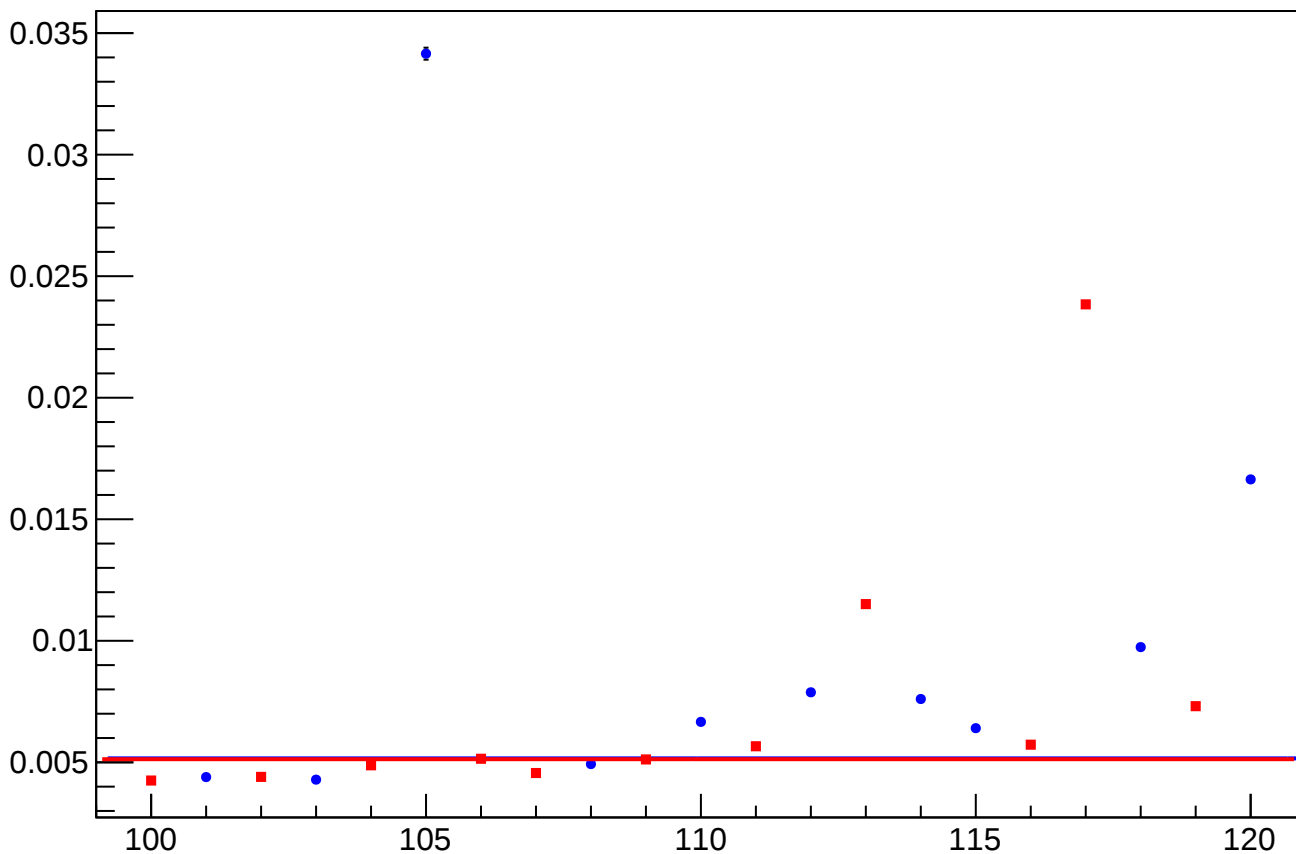
-0.900+/-0.000  $\chi^2/\text{NDF}$ : 1417439337.5/9

Right Out: -0.850+/-0.000  $\chi^2/\text{NDF}$ : 4384529322.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.850+/-0.000  $\chi^2/\text{NDF}$ : 4384529322.0/10

# yield\_bpm0i07X\_rms vs slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 595911.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

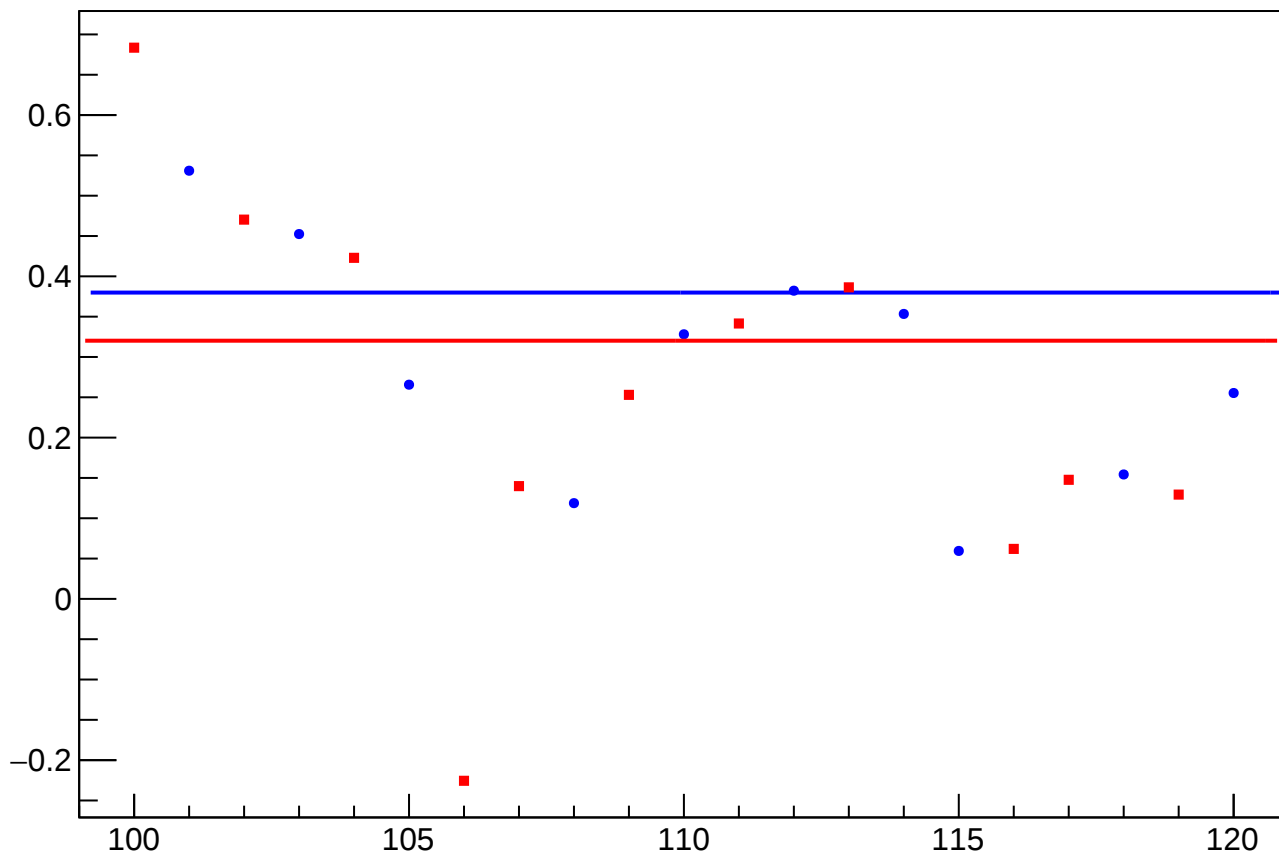
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 332612.1/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 595911.6/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 332612.1/10

# yield\_bpm0i07Y\_mean vs slug



Right In: 0.380+/-0.000  $\chi^2/\text{NDF}$ : 3436822113.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

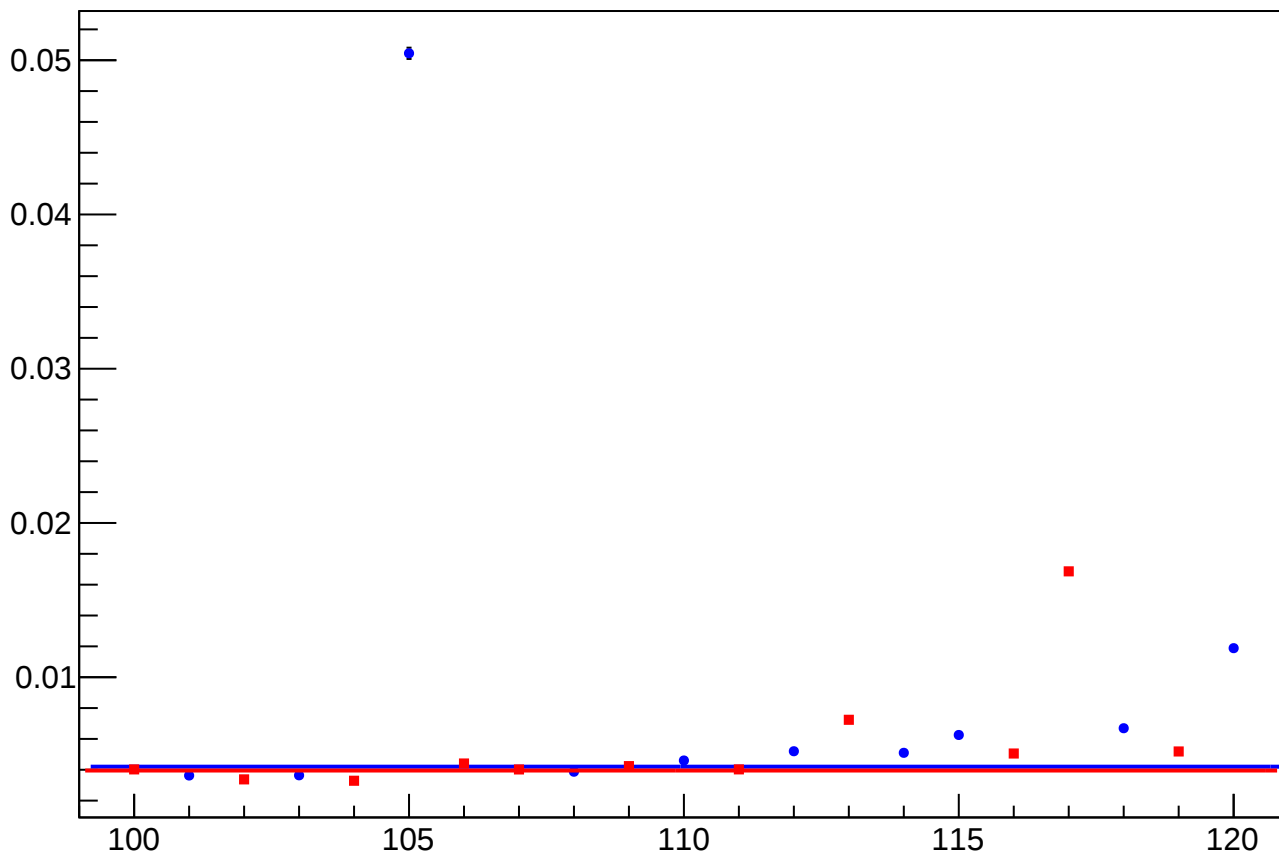
Right Out: 0.320+/-0.000  $\chi^2/\text{NDF}$ : 5863512932.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.380+/-0.000  $\chi^2/\text{NDF}$ : 3436822113.7/9

0.320+/-0.000  $\chi^2/\text{NDF}$ : 5863512932.7/10

yield\_bpm0i07Y\_rms vs slug



Right In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 436225.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

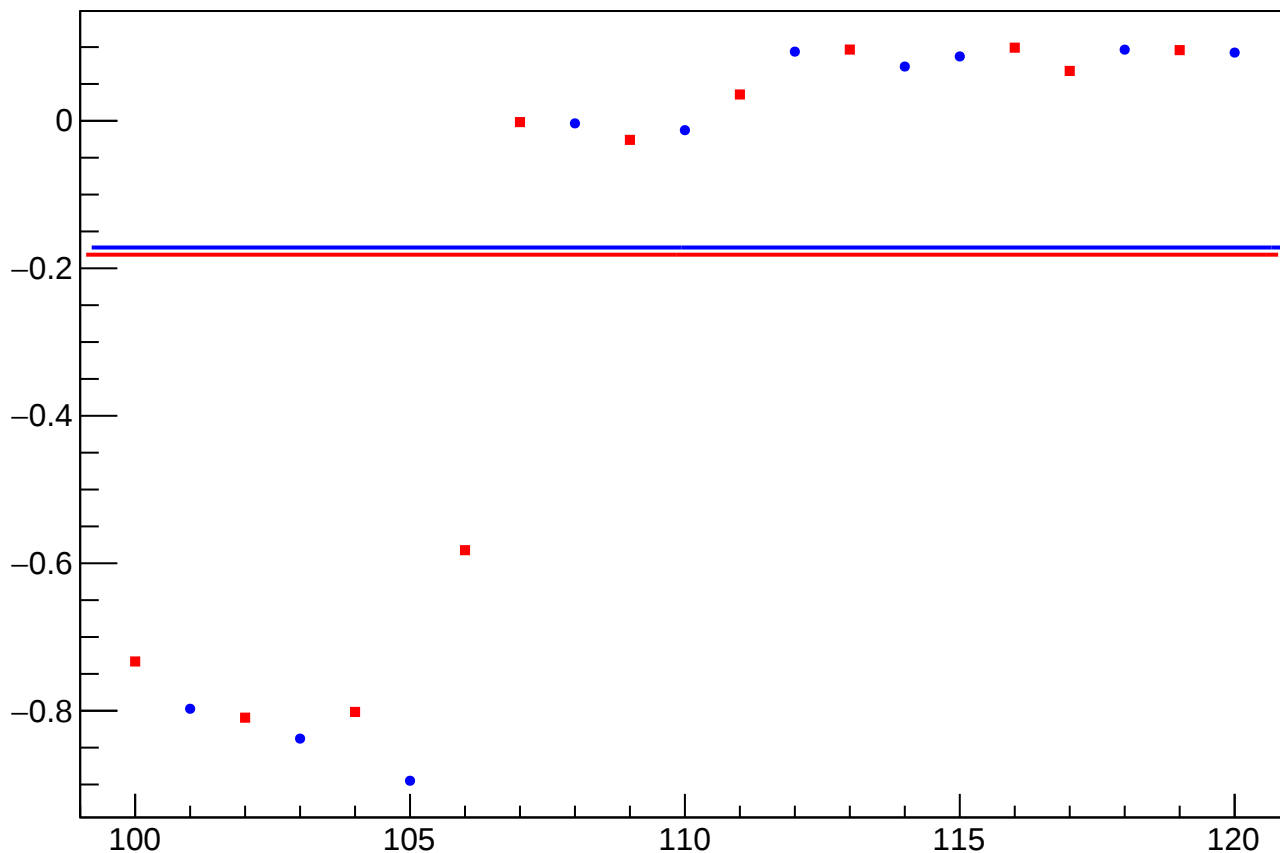
Right Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 277203.3/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.004+/-0.000  $\chi^2/\text{NDF}$ : 436225.7/9

0.004+/-0.000  $\chi^2/\text{NDF}$ : 277203.3/10

# yield\_bpm1i02X\_mean vs slug



Right In: -0.172+/-0.000  $\chi^2/\text{NDF}$ : 4499175409.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

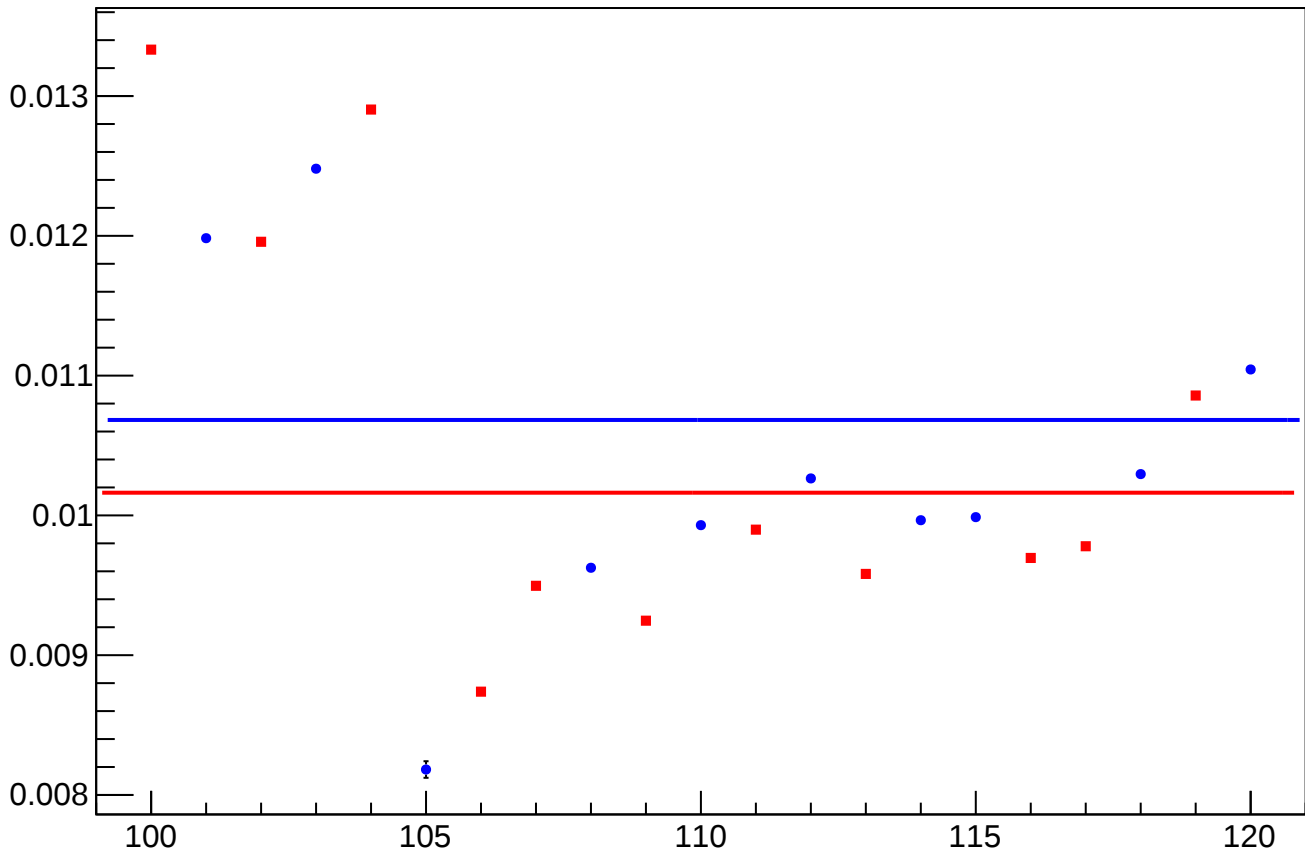
Right Out: -0.182+/-0.000  $\chi^2/\text{NDF}$ : 4821780337.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

-0.172+/-0.000  $\chi^2/\text{NDF}$ : 4499175409.0/9

-0.182+/-0.000  $\chi^2/\text{NDF}$ : 4821780337.7/10

# yield\_bpm1i02X\_rms vs slug



Right In: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 58354.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

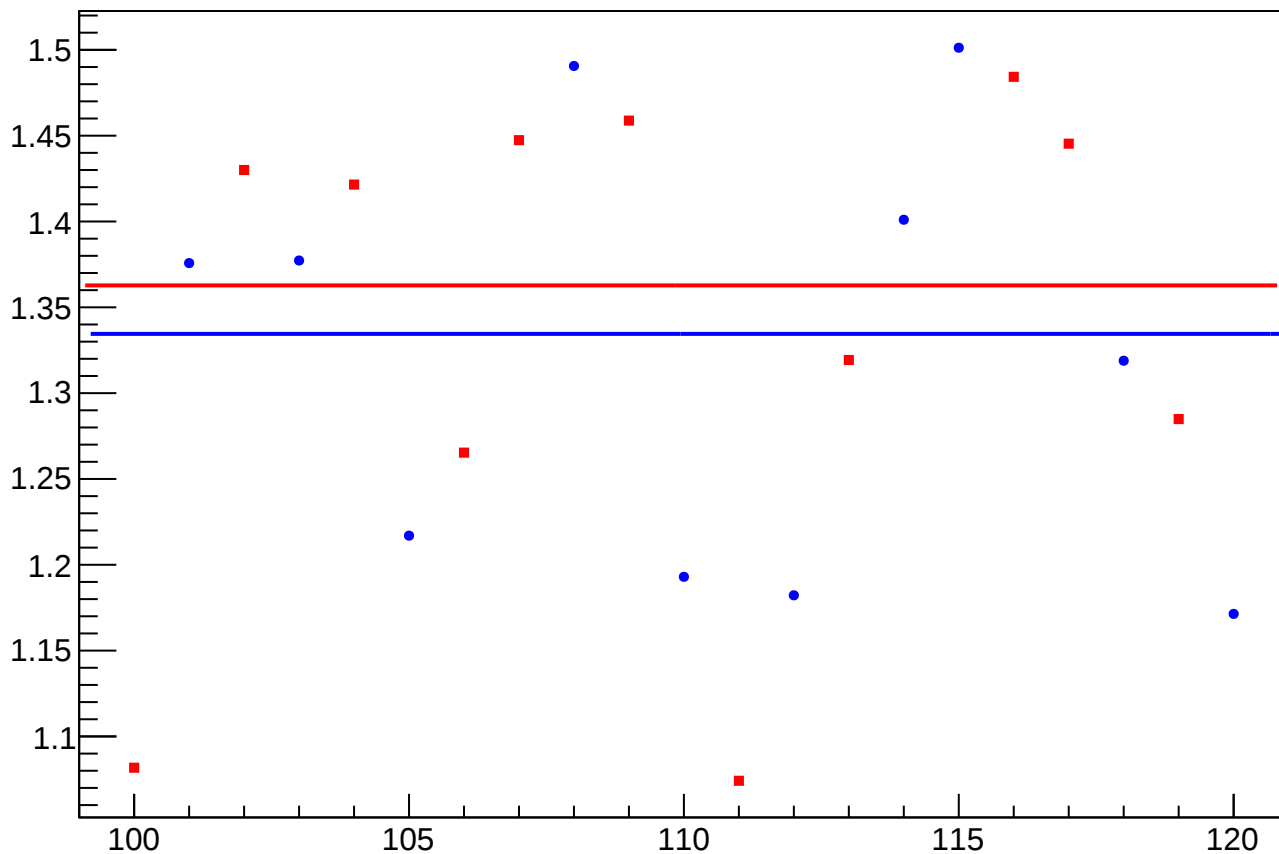
0.011+/-0.000  $\chi^2/\text{NDF}$ : 58354.5/9

Right Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 115816.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.010+/-0.000  $\chi^2/\text{NDF}$ : 115816.6/10

yield\_bpm1i02Y\_mean vs slug



Right In: 1.335+/-0.000  $\chi^2/\text{NDF}$ : 725505196.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

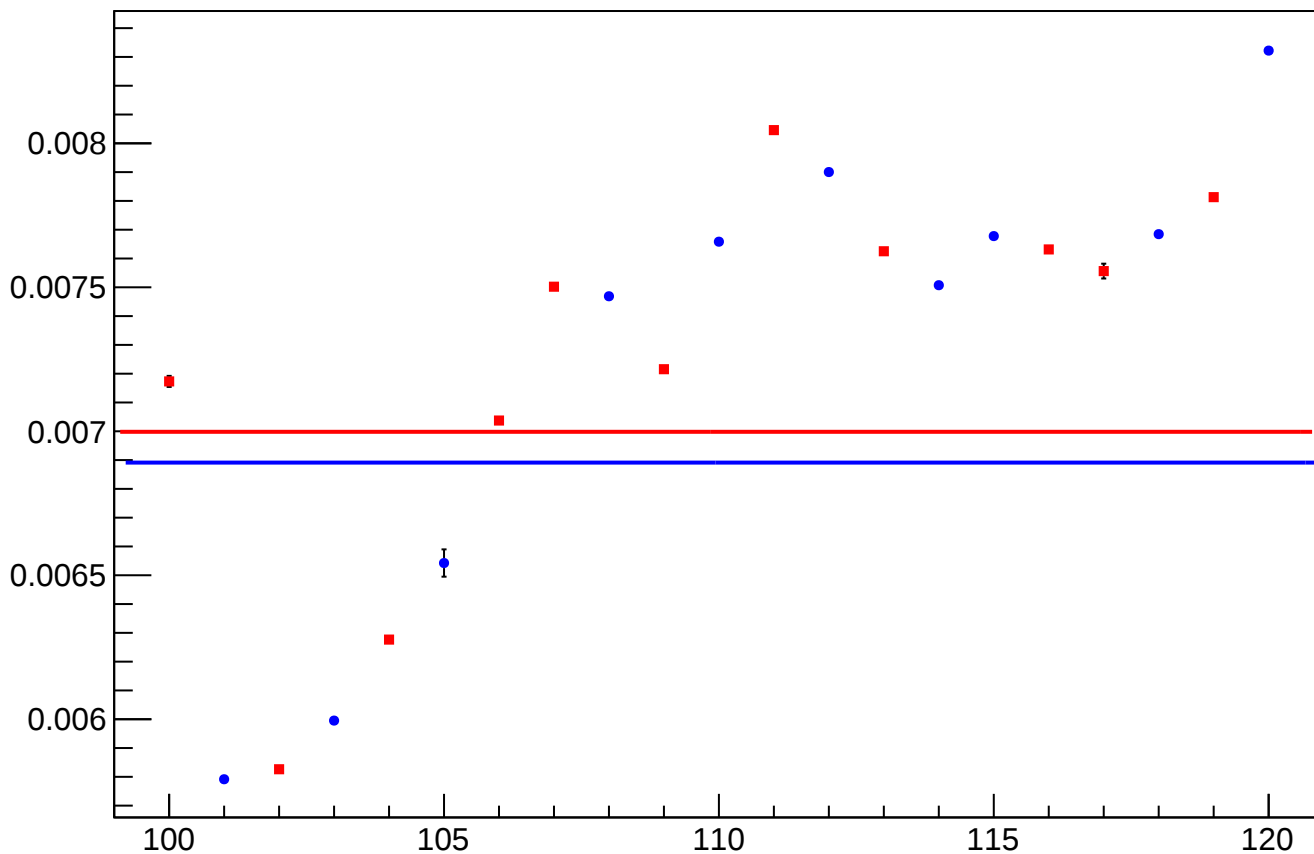
Right Out: 1.363+/-0.000  $\chi^2/\text{NDF}$ : 1099503484.4/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.335+/-0.000  $\chi^2/\text{NDF}$ : 725505196.0/9

1.363+/-0.000  $\chi^2/\text{NDF}$ : 1099503484.4/10

# yield\_bpm1i02Y\_rms vs slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 128603.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

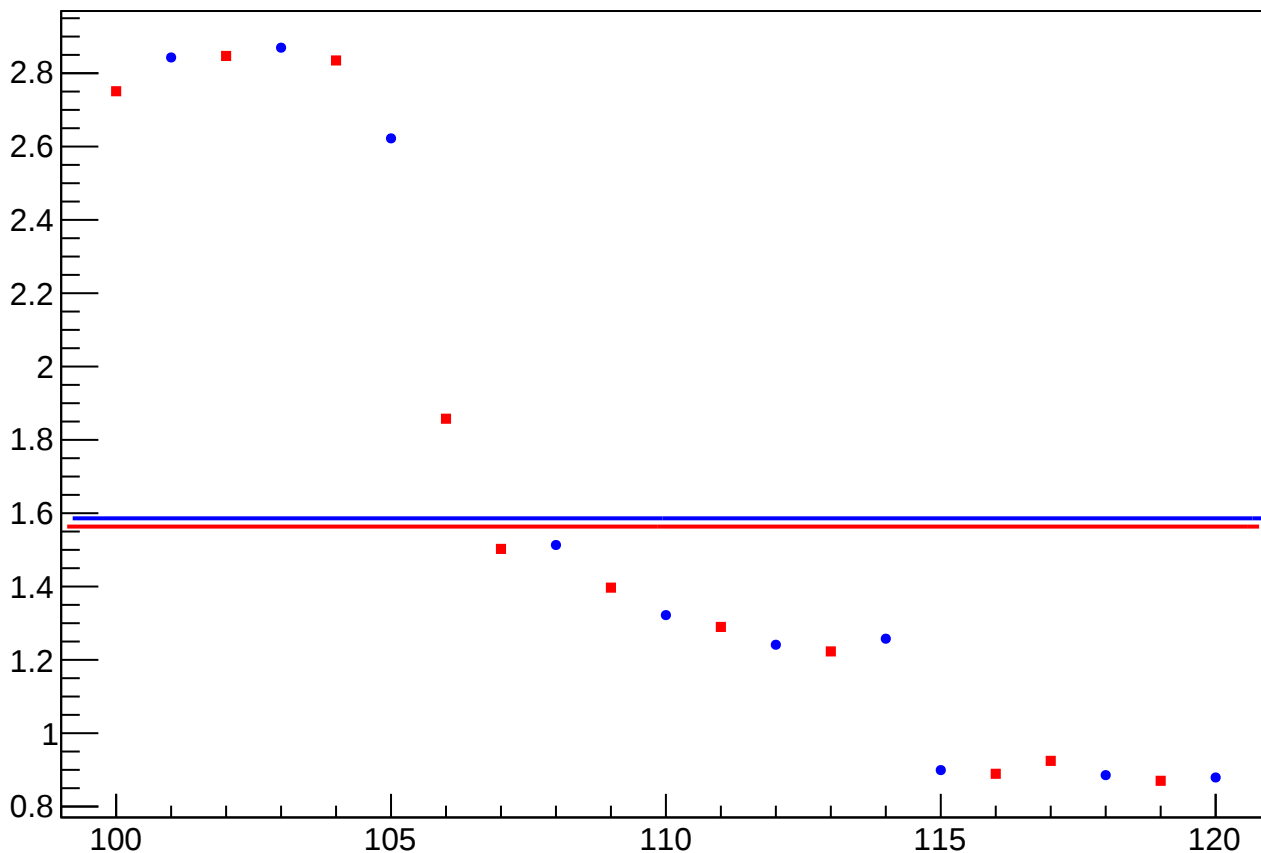
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 96449.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 128603.4/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 96449.5/10

# yield\_bpm1i04X\_mean vs slug



Right In: 1.586+/-0.000  $\chi^2/\text{NDF}$ : 40784301483.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

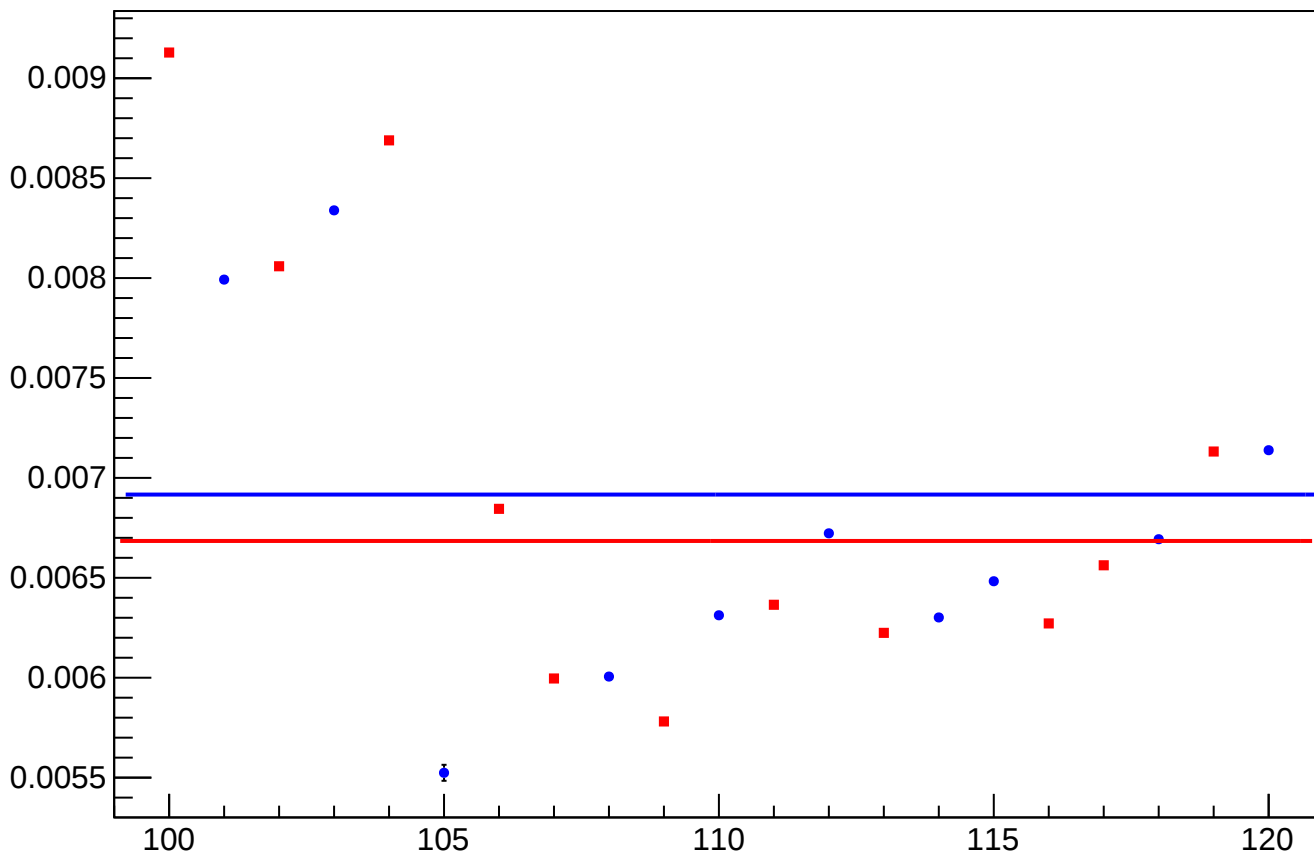
1.586+/-0.000  $\chi^2/\text{NDF}$ : 40784301483.9/9

Right Out: 1.563+/-0.000  $\chi^2/\text{NDF}$ : 36815707710.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.563+/-0.000  $\chi^2/\text{NDF}$ : 36815707710.5/10

# yield\_bpm1i04X\_rms vs slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 84977.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

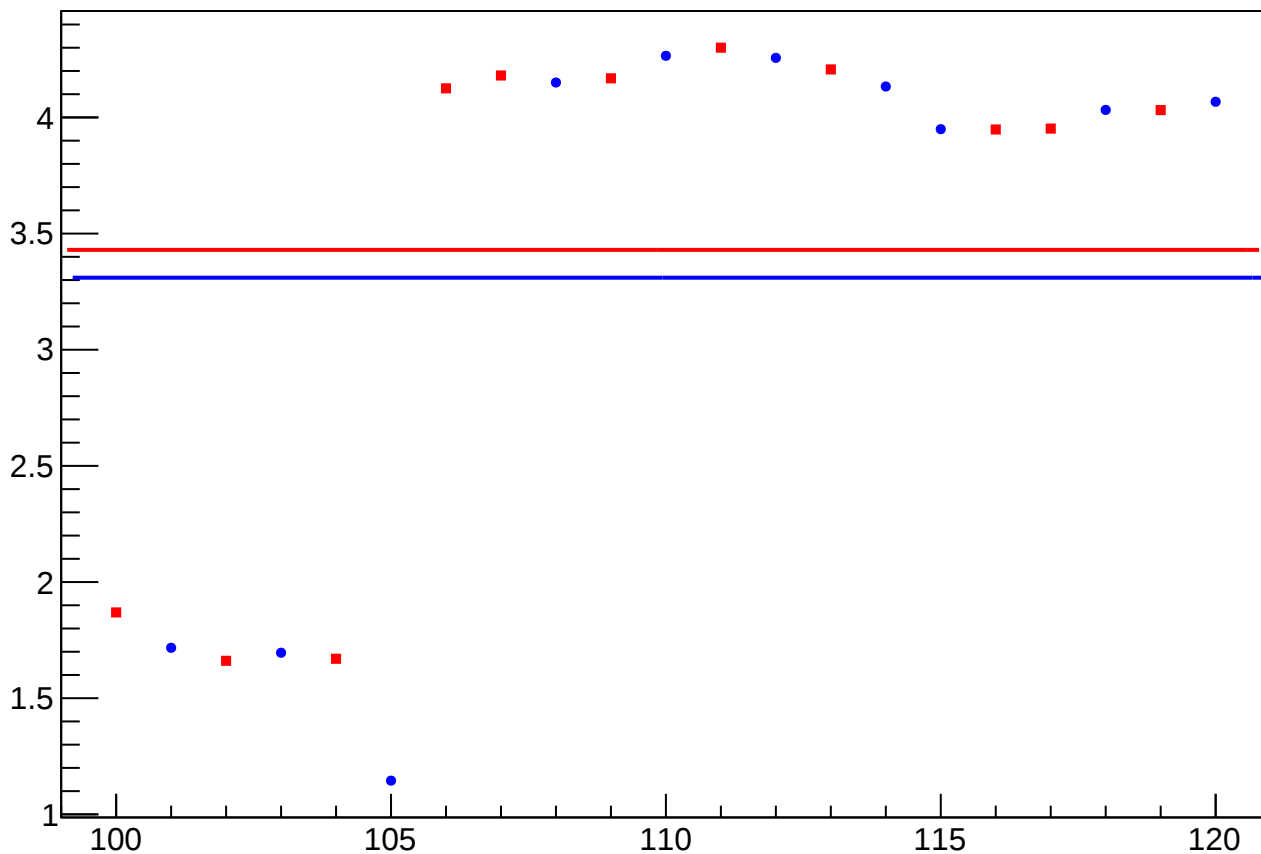
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 142187.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 84977.3/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 142187.7/10

# yield\_bpm1i04Y\_mean vs slug



Right In: 3.310+/-0.000  $\chi^2/\text{NDF}$ : 161939046543.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

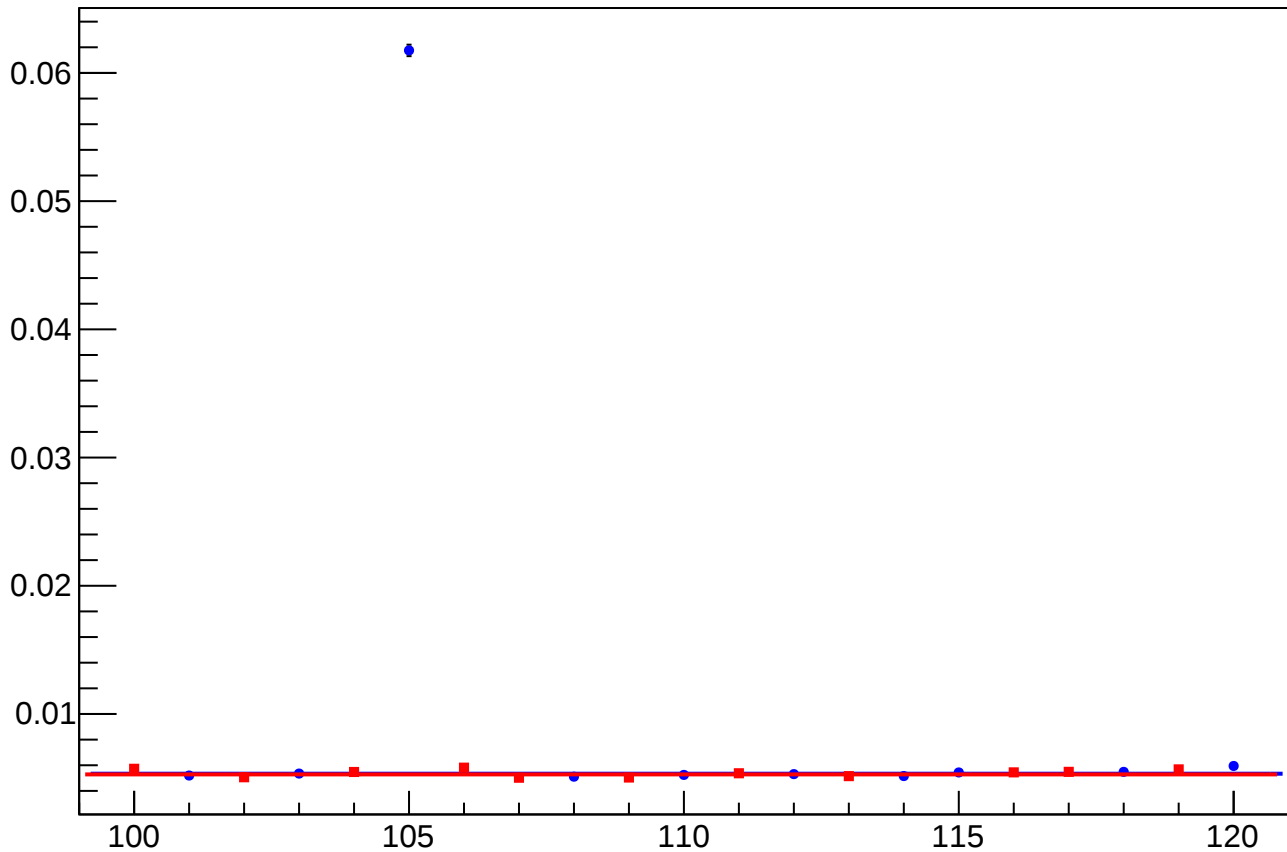
Right Out: 3.430+/-0.000  $\chi^2/\text{NDF}$ : 173404121398.9/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.310+/-0.000  $\chi^2/\text{NDF}$ : 161939046543.3/9

3.430+/-0.000  $\chi^2/\text{NDF}$ : 173404121398.9/10

yield\_bpm1i04Y\_rms vs slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 26544.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

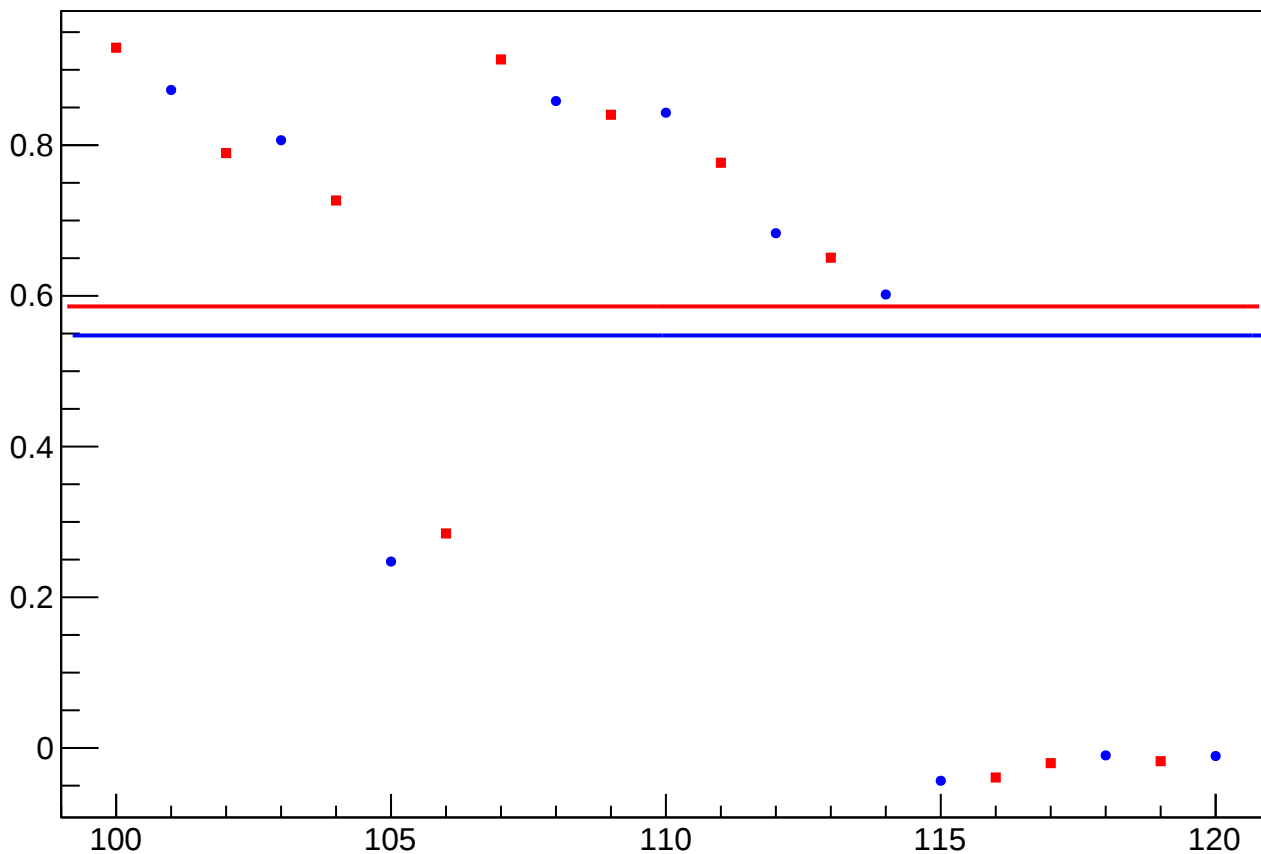
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 17236.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 26544.4/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 17236.6/10

# yield\_bpm1i06X\_mean vs slug



Right In: 0.547+/-0.000  $\chi^2/\text{NDF}$ : 2455643144.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

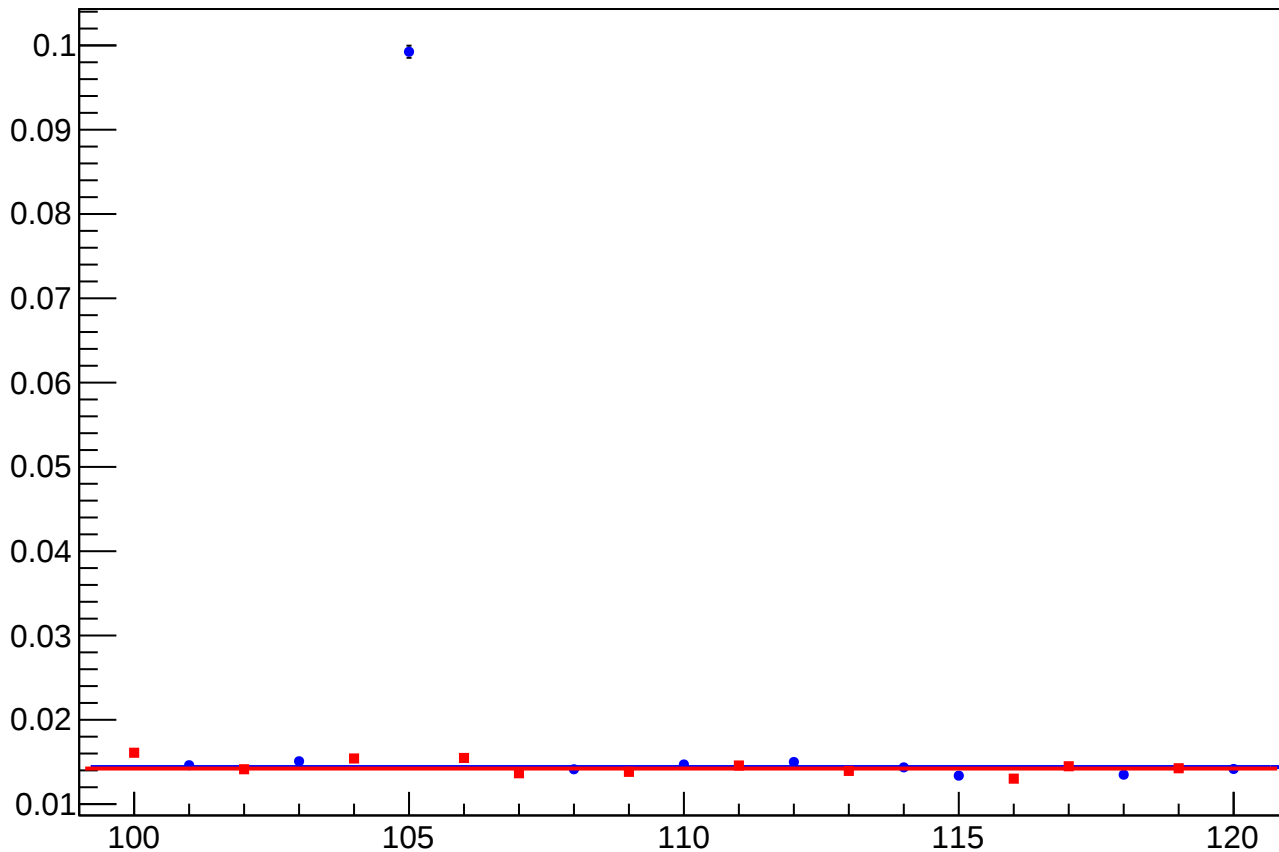
Right Out: 0.586+/-0.000  $\chi^2/\text{NDF}$ : 2276129624.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.547+/-0.000  $\chi^2/\text{NDF}$ : 2455643144.1/9

0.586+/-0.000  $\chi^2/\text{NDF}$ : 2276129624.0/10

# yield\_bpm1i06X\_rms vs slug



Right In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 24894.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

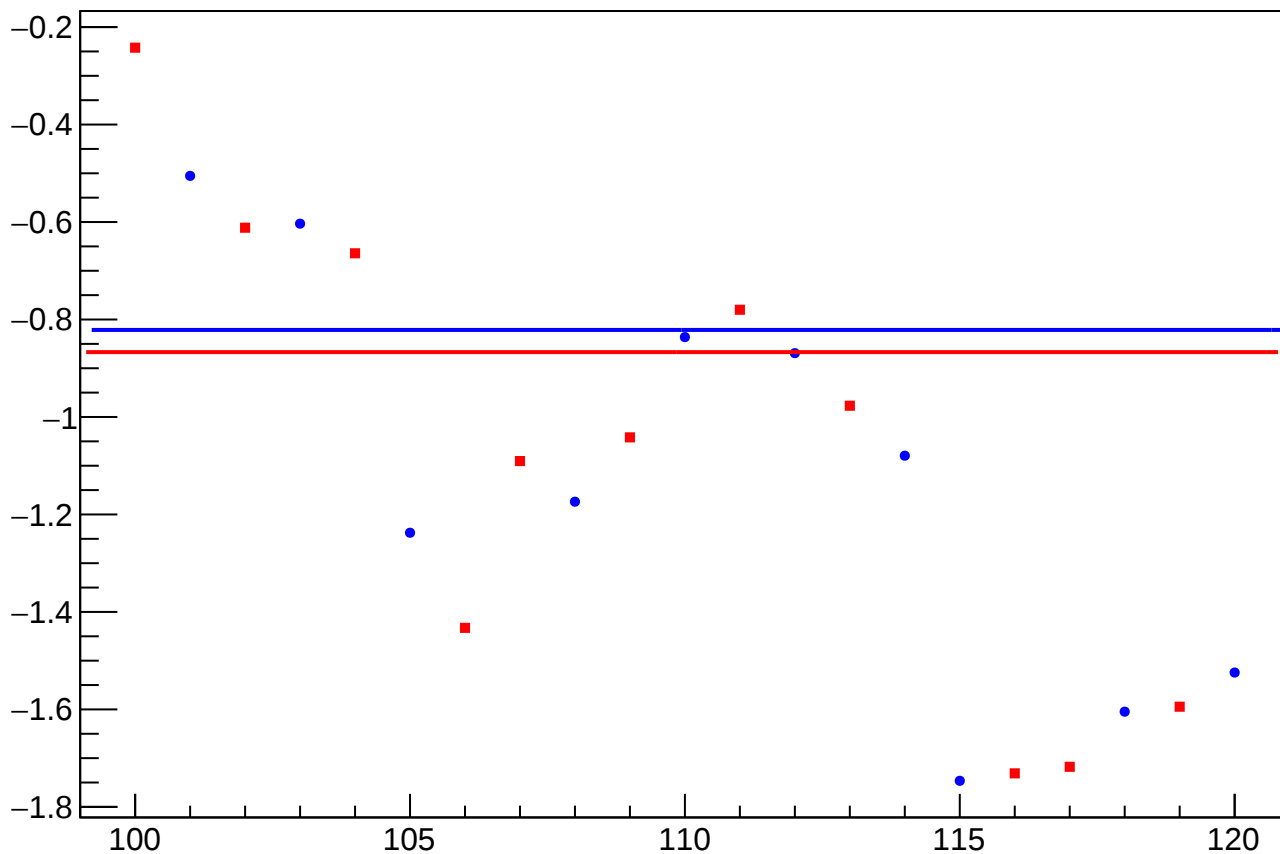
Right Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 17336.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.014+/-0.000  $\chi^2/\text{NDF}$ : 24894.6/9

0.014+/-0.000  $\chi^2/\text{NDF}$ : 17336.2/10

# yield\_bpm1i06Y\_mean vs slug



Right In: -0.821+/-0.000  $\chi^2/\text{NDF}$ : 18071885602.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

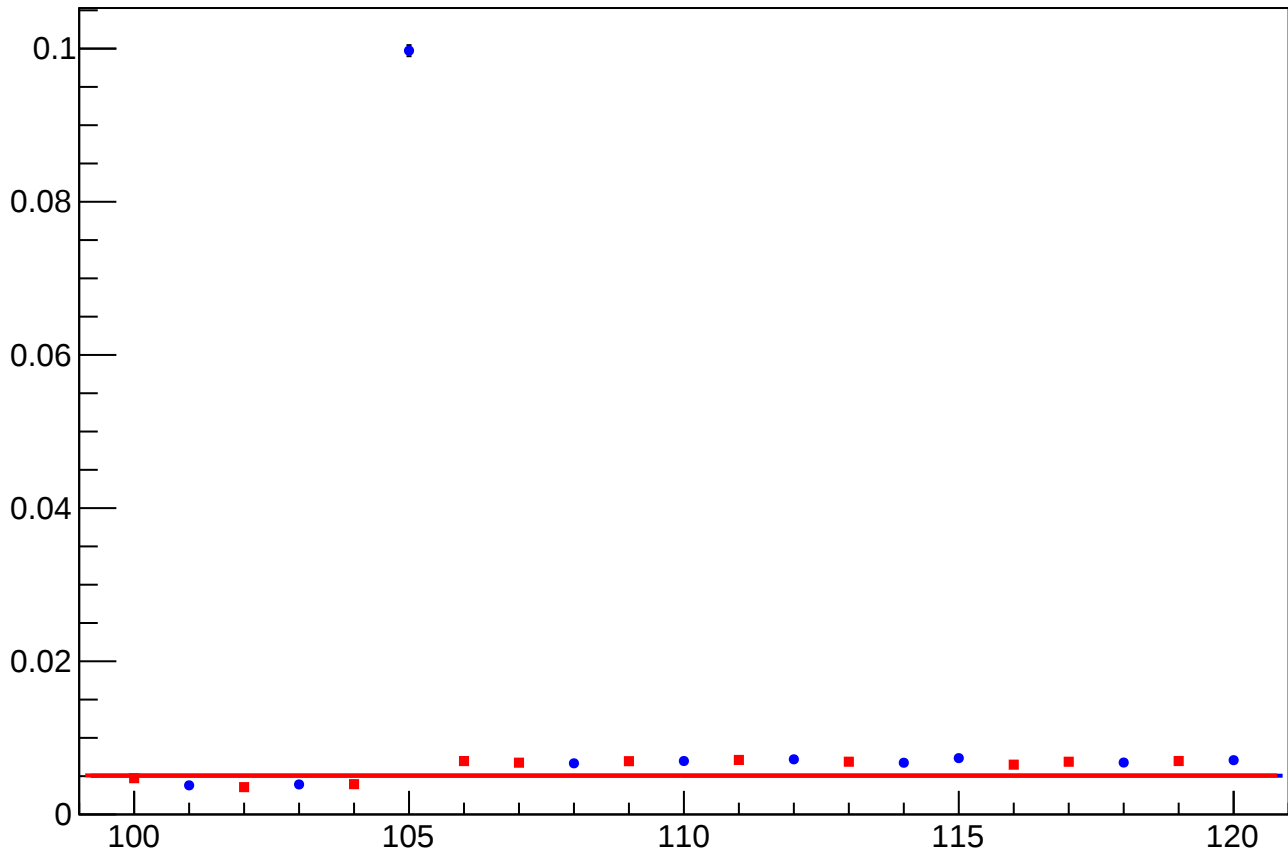
Right Out: -0.867+/-0.000  $\chi^2/\text{NDF}$ : 16726513080.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.821+/-0.000  $\chi^2/\text{NDF}$ : 18071885602.6/9

-0.867+/-0.000  $\chi^2/\text{NDF}$ : 16726513080.0/10

yield\_bpm1i06Y\_rms vs slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 542823.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

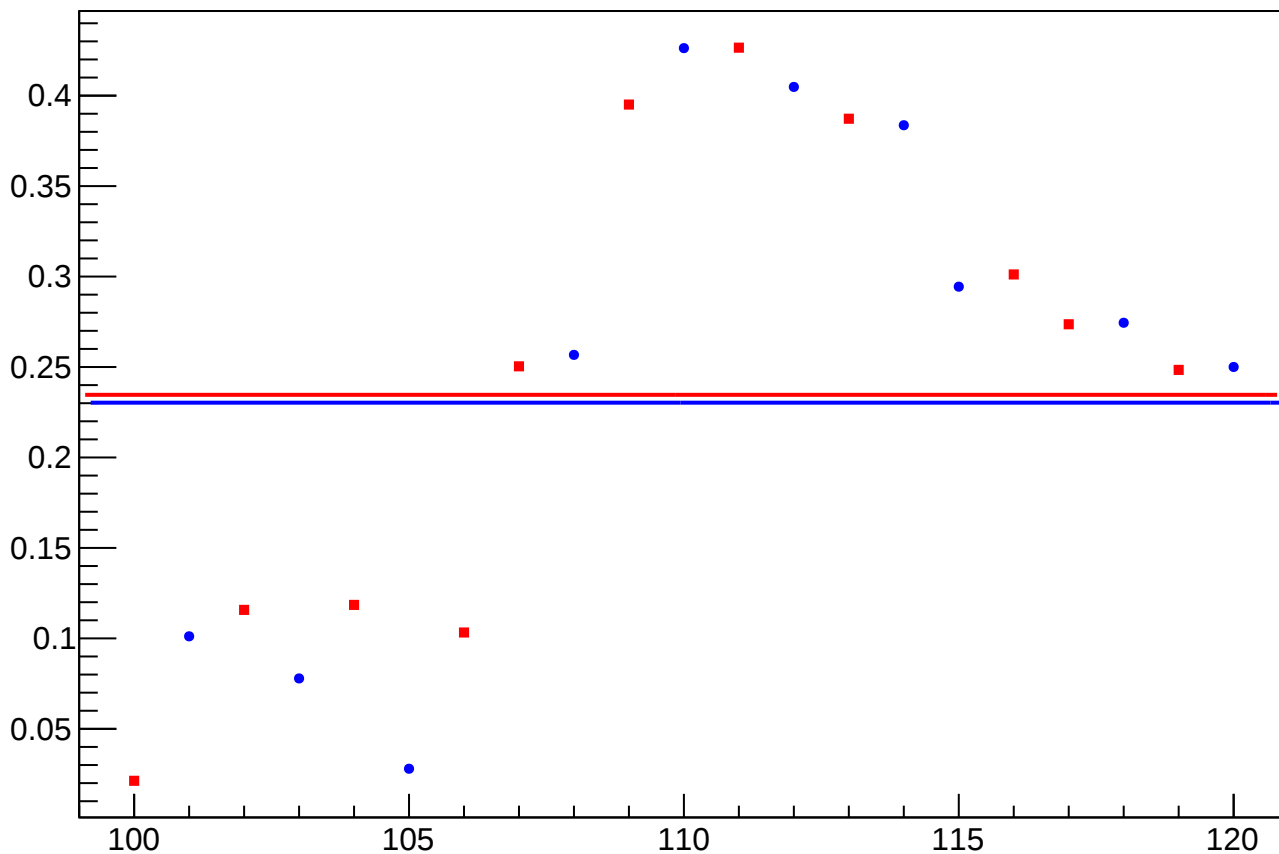
0.005+/-0.000  $\chi^2/\text{NDF}$ : 542823.1/9

Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 617726.5/10

0.005+/-0.000  $\chi^2/\text{NDF}$ : 617726.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# yield\_bpm2i01X\_mean vs slug



Right In: 0.230+/-0.000  $\chi^2/\text{NDF}$ : 18056244021.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

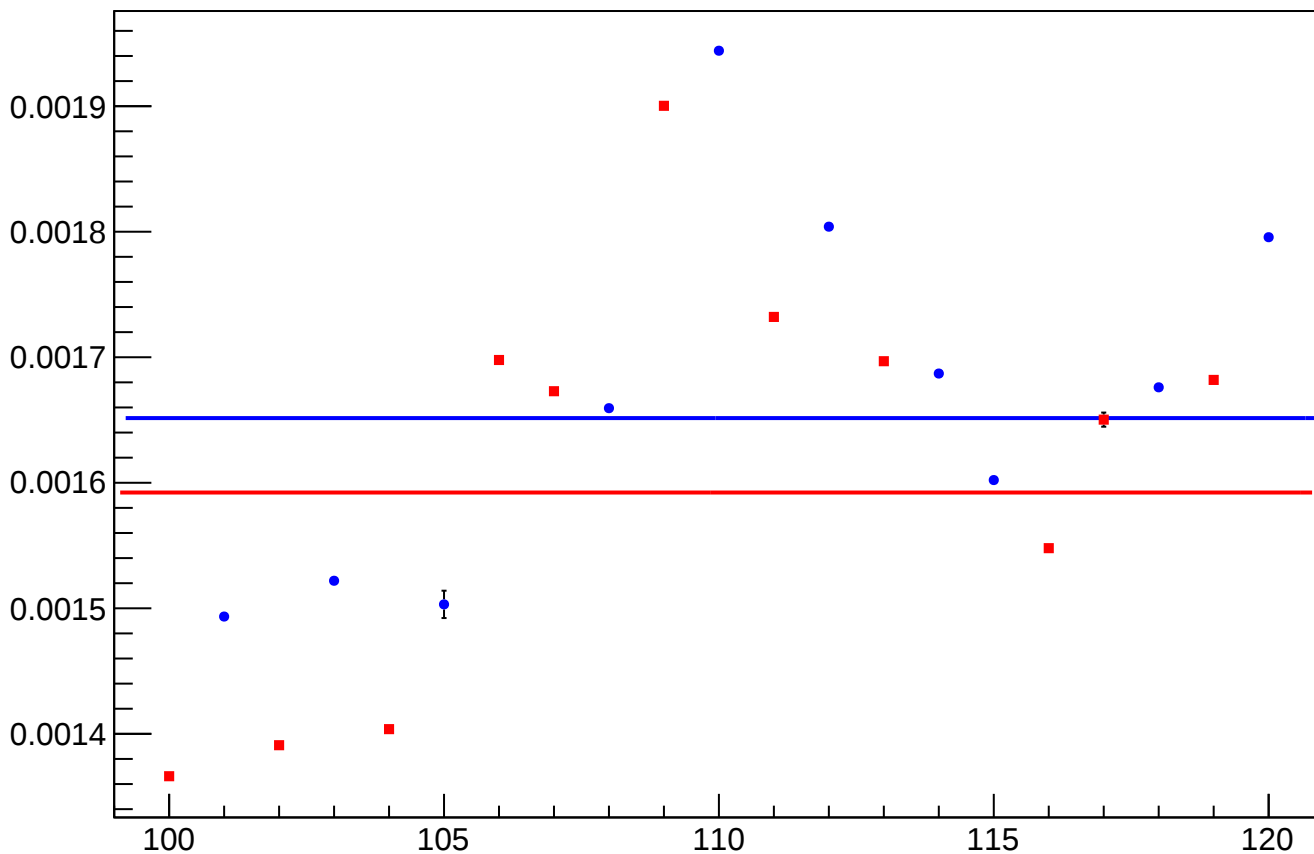
0.230+/-0.000  $\chi^2/\text{NDF}$ : 18056244021.9/9

Right Out: 0.235+/-0.000  $\chi^2/\text{NDF}$ : 23169450715.9/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.235+/-0.000  $\chi^2/\text{NDF}$ : 23169450715.9/10

# yield\_bpm2i01X\_rms vs slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 44286.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

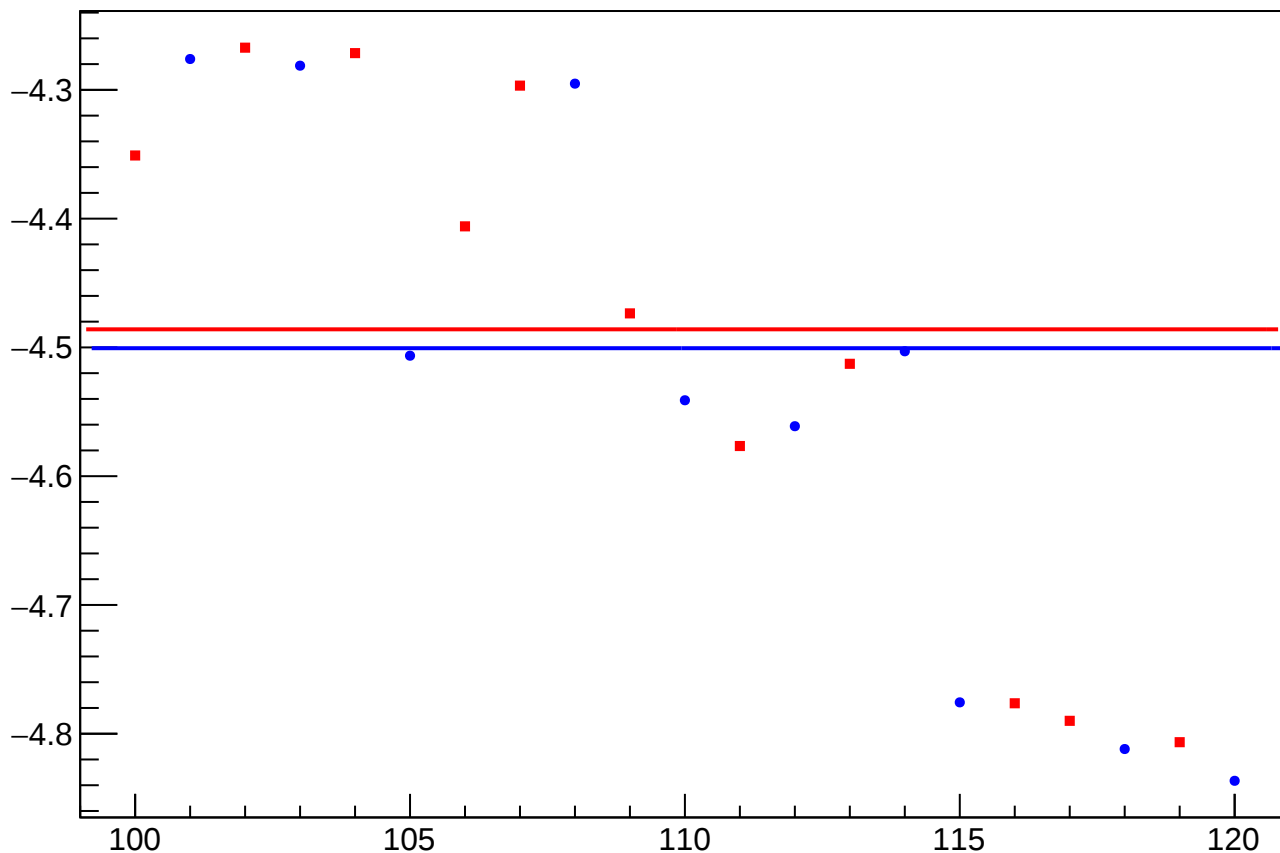
Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 84948.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.002+/-0.000  $\chi^2/\text{NDF}$ : 44286.5/9

0.002+/-0.000  $\chi^2/\text{NDF}$ : 84948.7/10

# yield\_bpm2i01Y\_mean vs slug



Right In: -4.501+/-0.000  $\chi^2/\text{NDF}$ : 47876295326.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

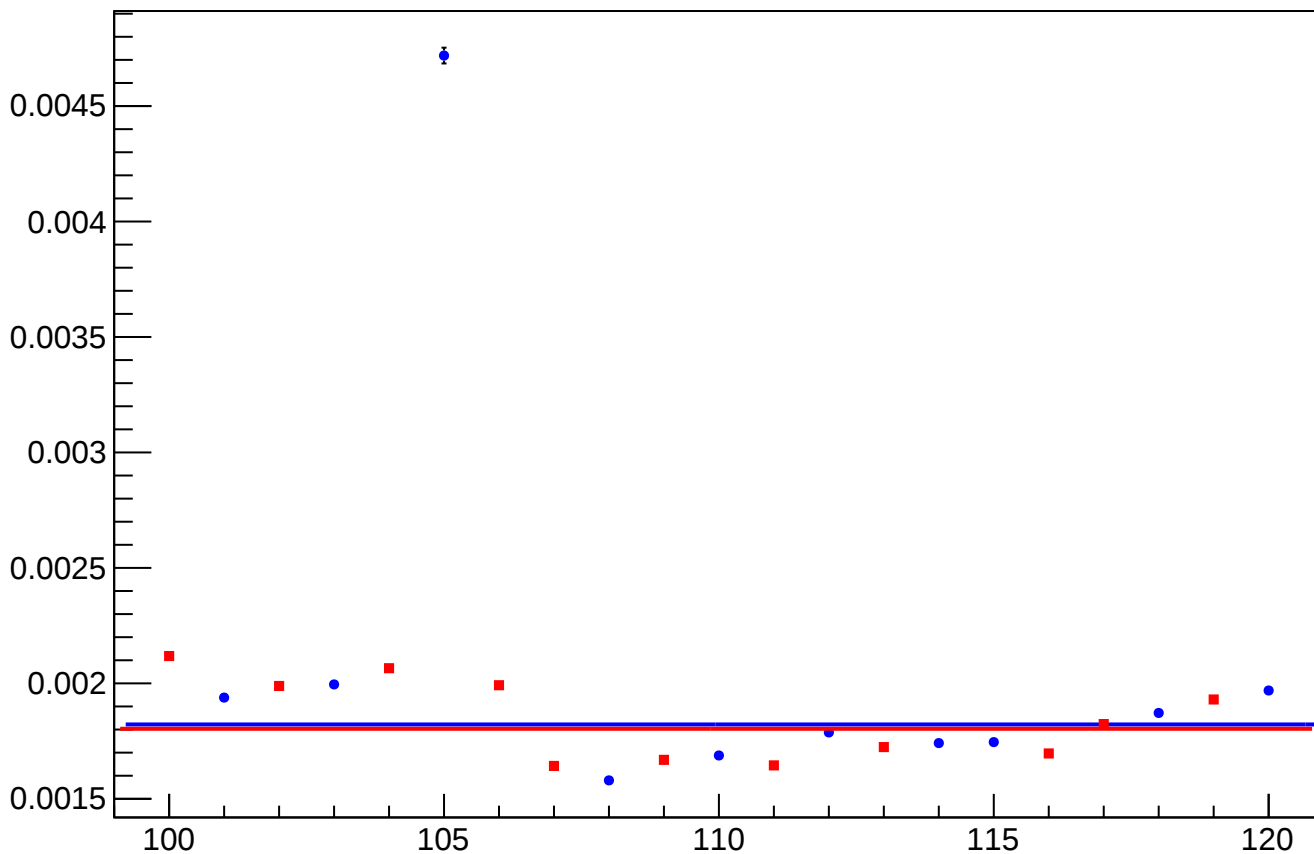
Right Out: -4.486+/-0.000  $\chi^2/\text{NDF}$ : 40554425090.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.501+/-0.000  $\chi^2/\text{NDF}$ : 47876295326.1/9

-4.486+/-0.000  $\chi^2/\text{NDF}$ : 40554425090.6/10

# yield\_bpm2i01Y\_rms vs slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 47282.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

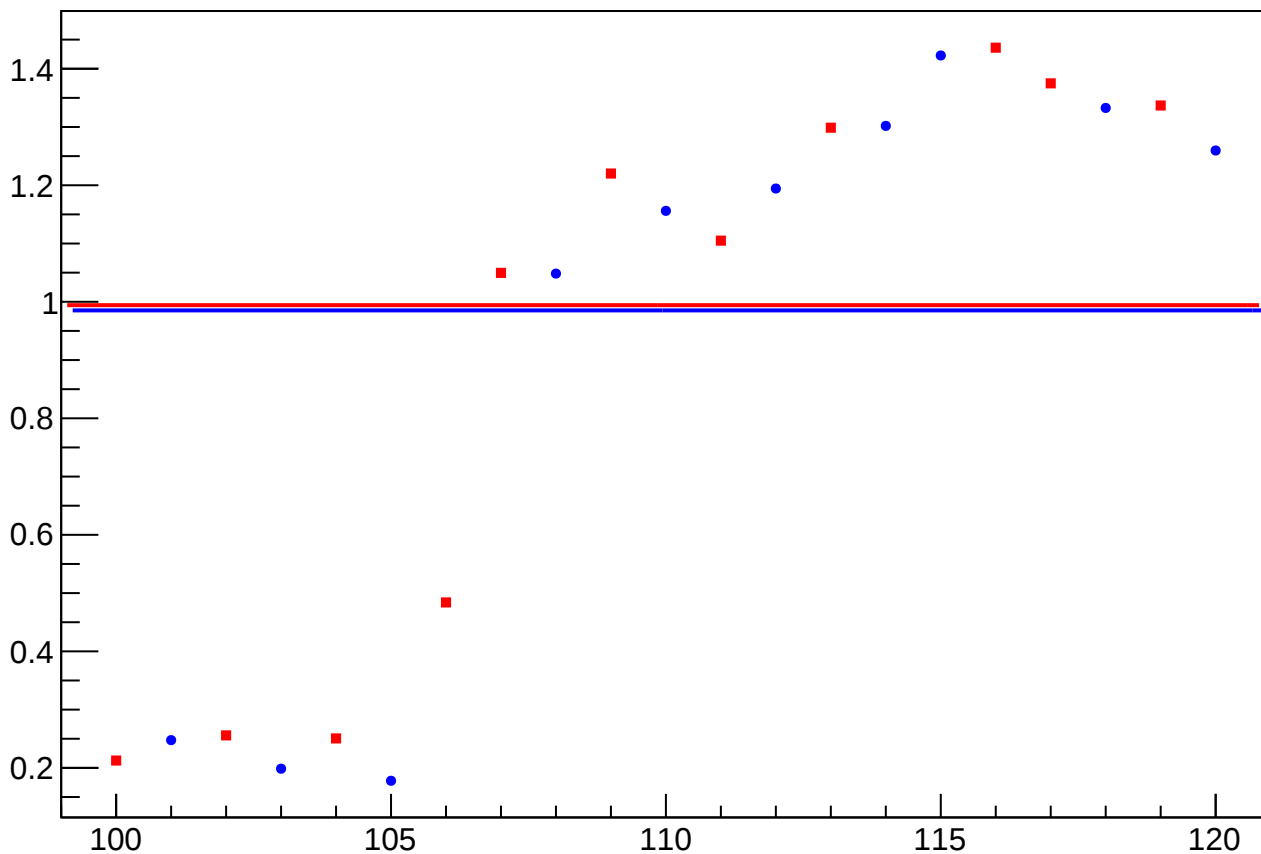
Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 62427.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.002+/-0.000  $\chi^2/\text{NDF}$ : 47282.2/9

0.002+/-0.000  $\chi^2/\text{NDF}$ : 62427.2/10

# yield\_bpm2i02X\_mean vs slug



Right In: 0.985+/-0.000  $\chi^2/\text{NDF}$ : 11899890802.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

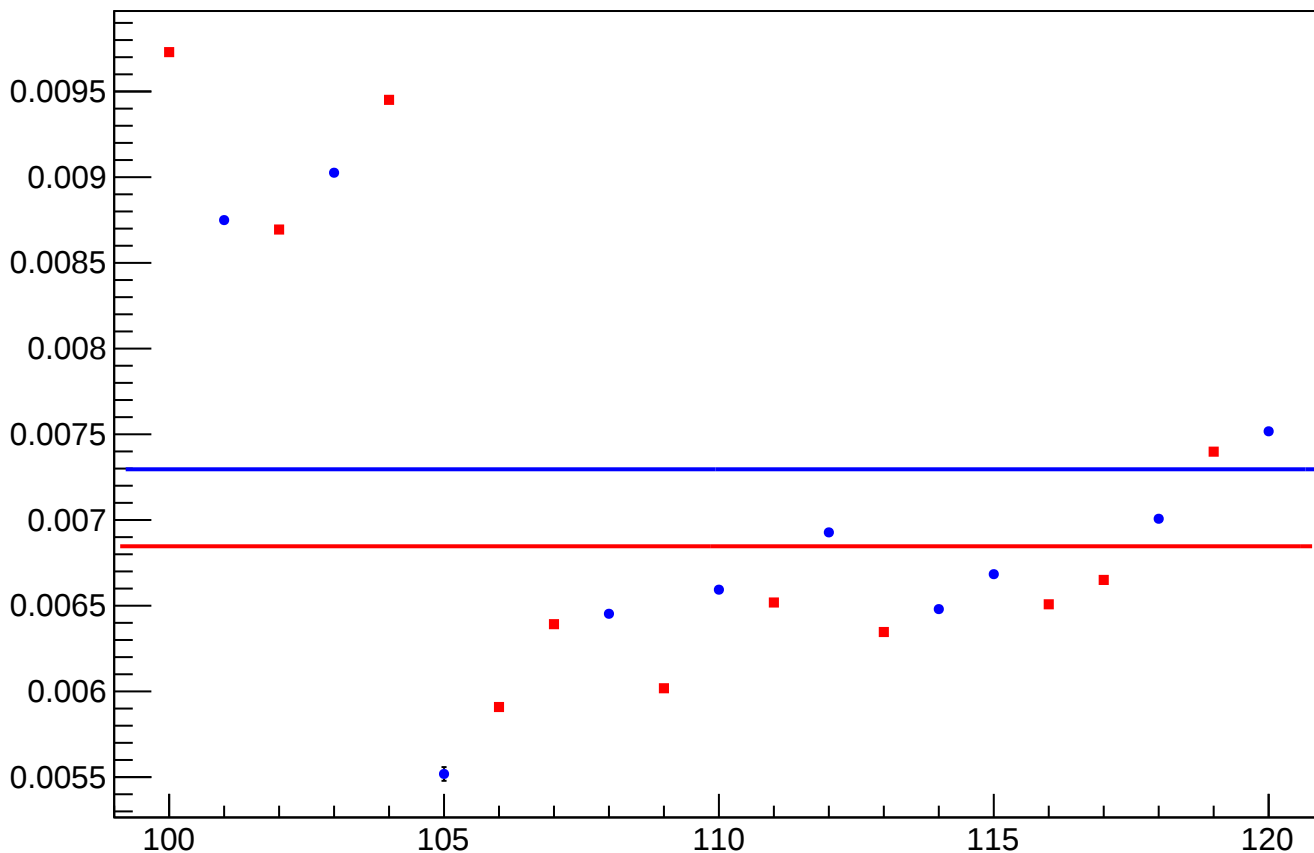
0.985+/-0.000  $\chi^2/\text{NDF}$ : 11899890802.9/9

Right Out: 0.994+/-0.000  $\chi^2/\text{NDF}$ : 13991113741.8/10

0.994+/-0.000  $\chi^2/\text{NDF}$ : 13991113741.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# yield\_bpm2i02X\_rms vs slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 107445.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

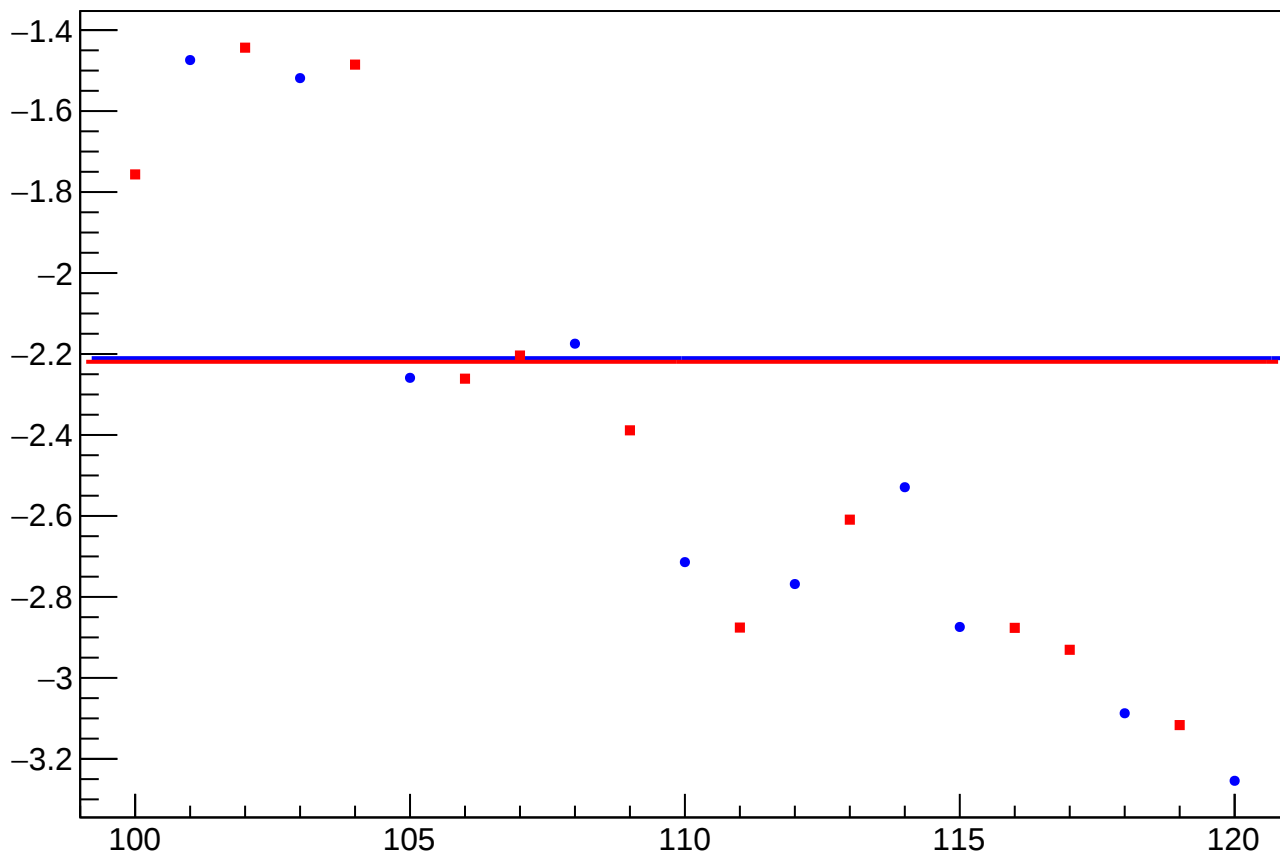
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 189537.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 107445.8/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 189537.8/10

# yield\_bpm2i02Y\_mean vs slug



Right In: -2.210+/-0.000  $\chi^2/\text{NDF}$ : 38536303788.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

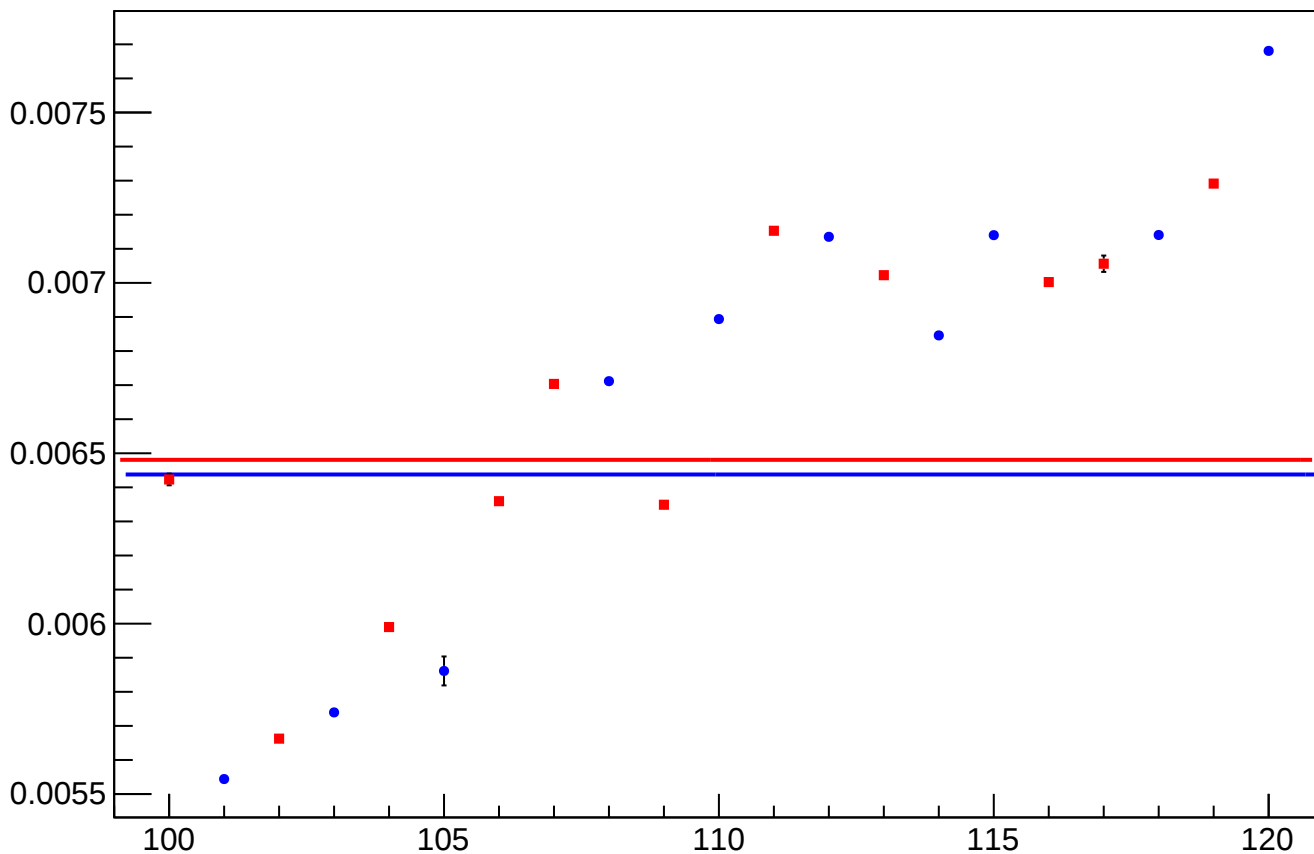
Right Out: -2.219+/-0.000  $\chi^2/\text{NDF}$ : 33781734712.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.210+/-0.000  $\chi^2/\text{NDF}$ : 38536303788.4/9

-2.219+/-0.000  $\chi^2/\text{NDF}$ : 33781734712.0/10

# yield\_bpm2i02Y\_rms vs slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 91448.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

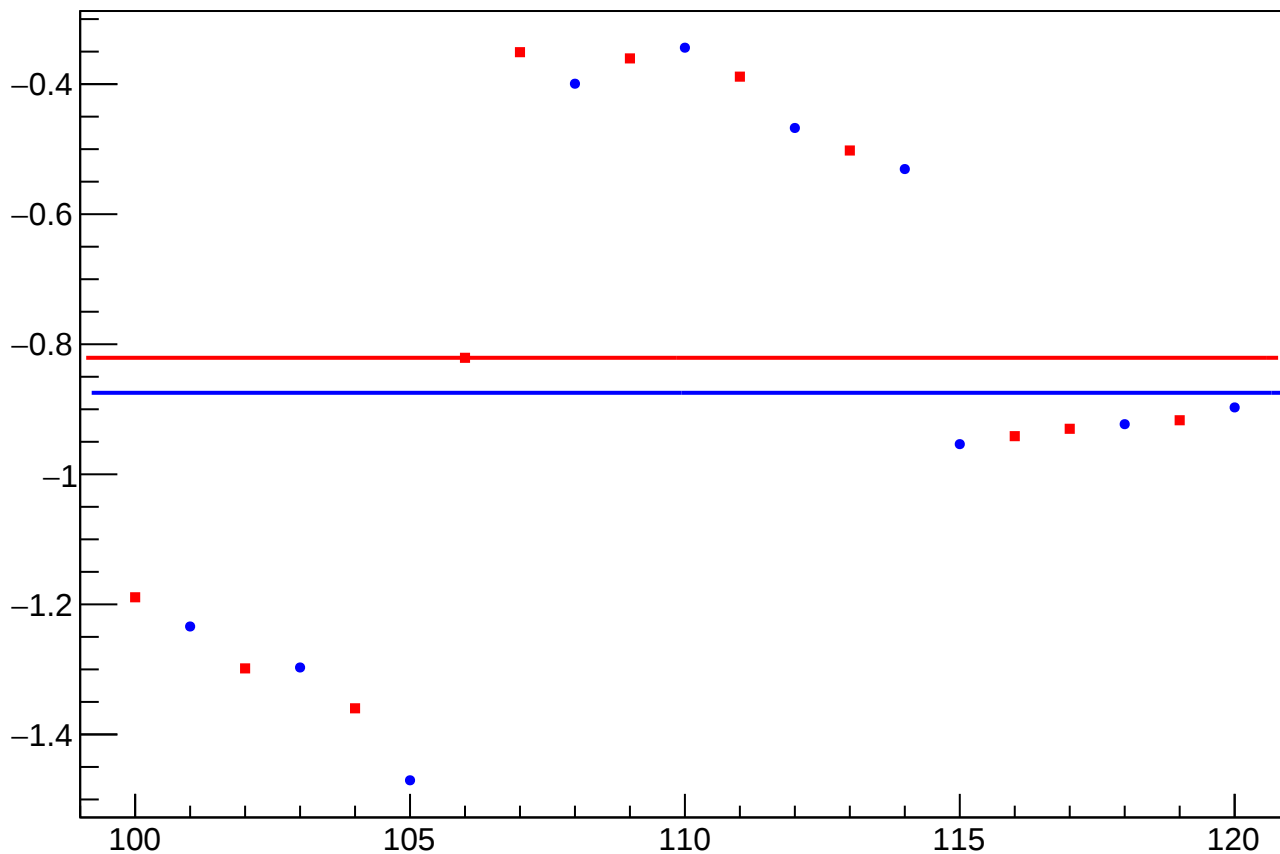
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 59804.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 91448.3/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 59804.8/10

# yield\_bpm0i01X\_mean vs slug



Right In: -0.875+/-0.000  $\chi^2/\text{NDF}$ : 3837957515.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

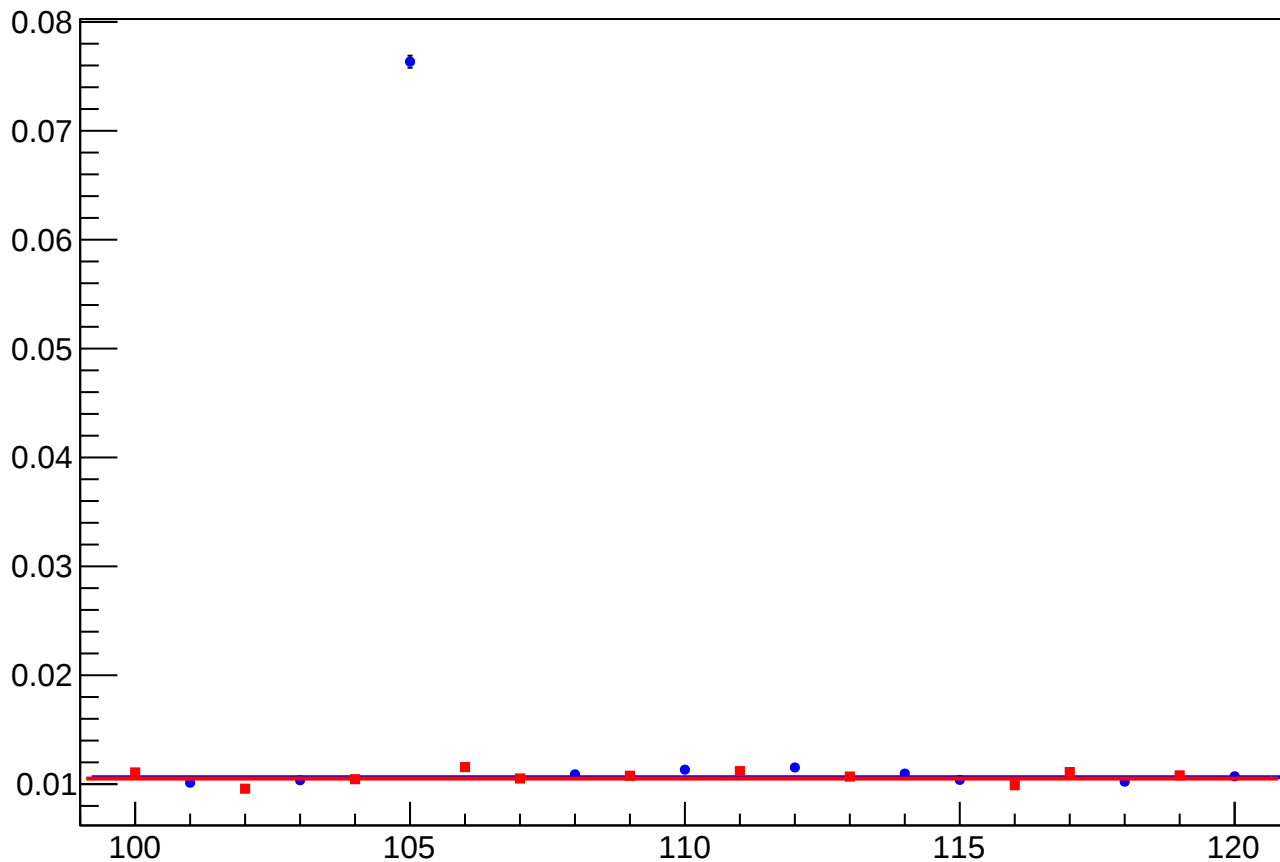
Right Out: -0.821+/-0.000  $\chi^2/\text{NDF}$ : 5474978737.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.875+/-0.000  $\chi^2/\text{NDF}$ : 3837957515.4/9

-0.821+/-0.000  $\chi^2/\text{NDF}$ : 5474978737.6/10

yield\_bpm0i01X\_rms vs slug



Right In: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 28499.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

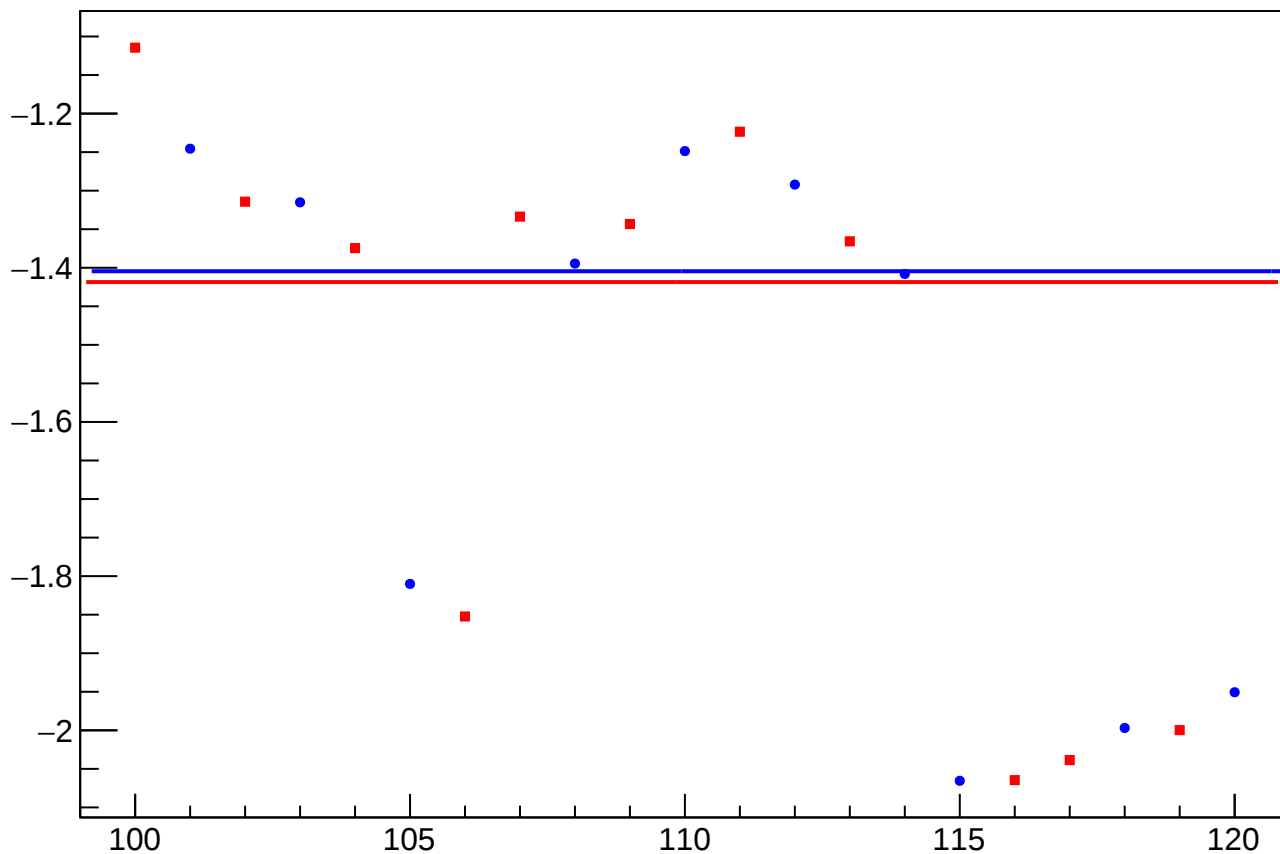
Right Out: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 20531.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.011+/-0.000  $\chi^2/\text{NDF}$ : 28499.5/9

0.011+/-0.000  $\chi^2/\text{NDF}$ : 20531.2/10

# yield\_bpm0i01Y\_mean vs slug



Right In: -1.405+/-0.000  $\chi^2/\text{NDF}$ : 38334068288.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

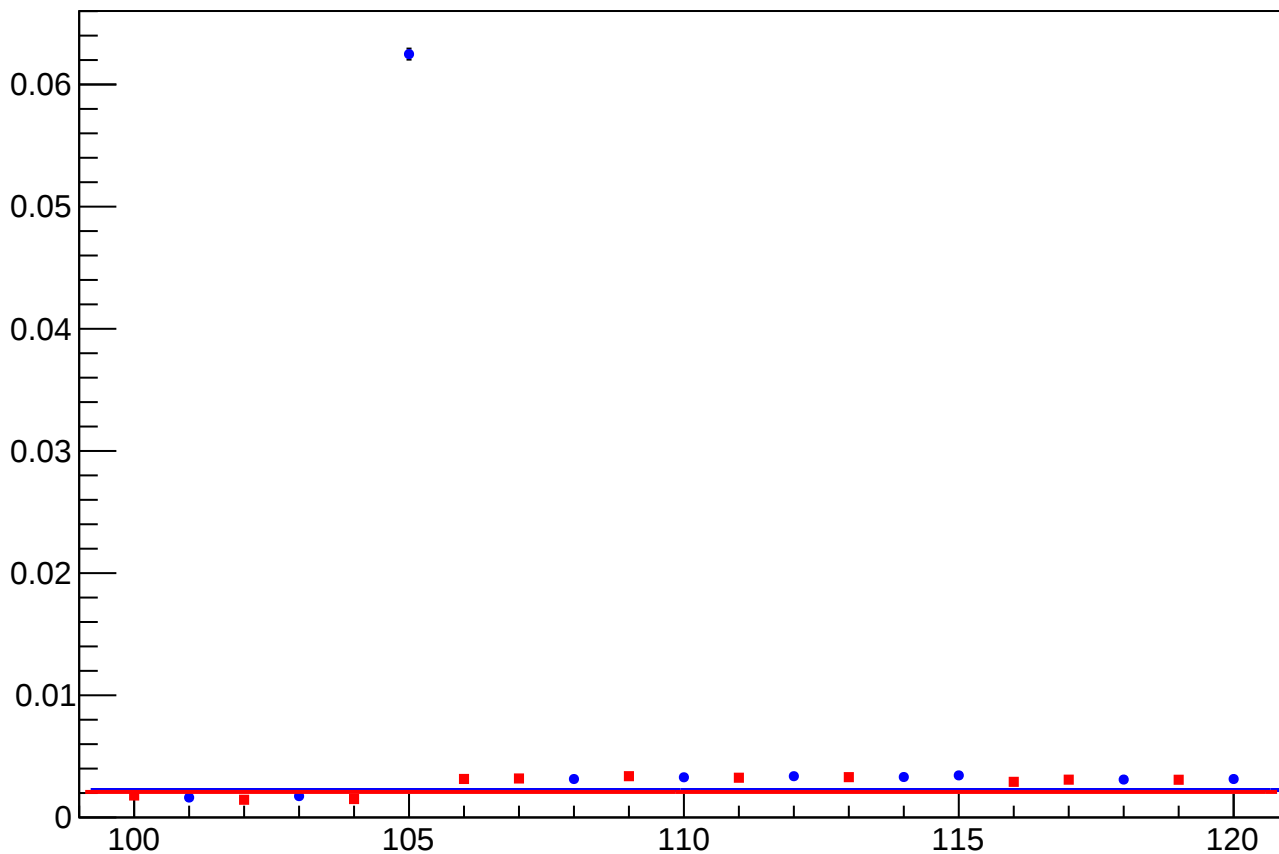
Right Out: -1.419+/-0.000  $\chi^2/\text{NDF}$ : 38322767863.3/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.405+/-0.000  $\chi^2/\text{NDF}$ : 38334068288.9/9

-1.419+/-0.000  $\chi^2/\text{NDF}$ : 38322767863.3/10

# yield\_bpm0i01Y\_rms vs slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 629843.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

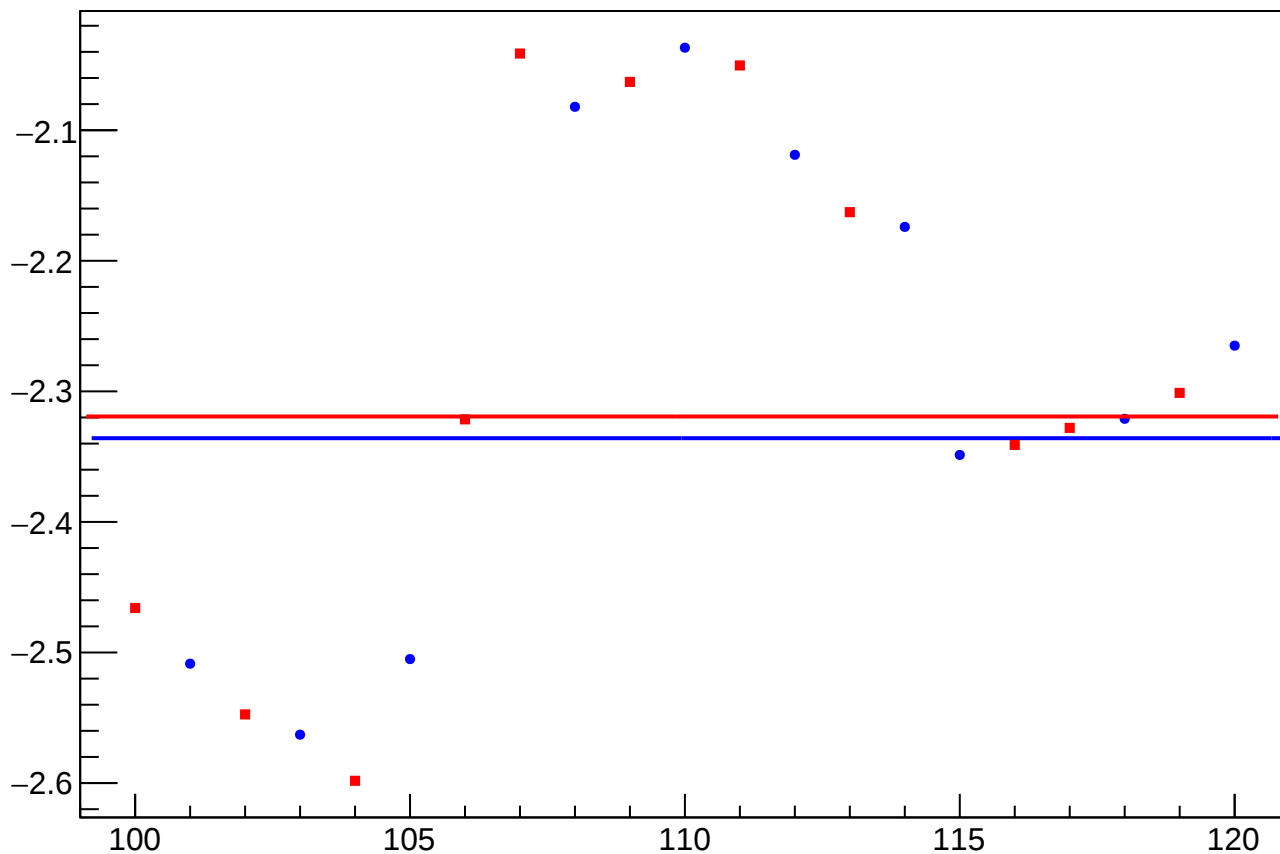
Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 925152.4/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.002+/-0.000  $\chi^2/\text{NDF}$ : 629843.4/9

0.002+/-0.000  $\chi^2/\text{NDF}$ : 925152.4/10

# yield\_bpm0i01aX\_mean vs slug



Right In: -2.336+/-0.000  $\chi^2/\text{NDF}$ : 2975220501.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

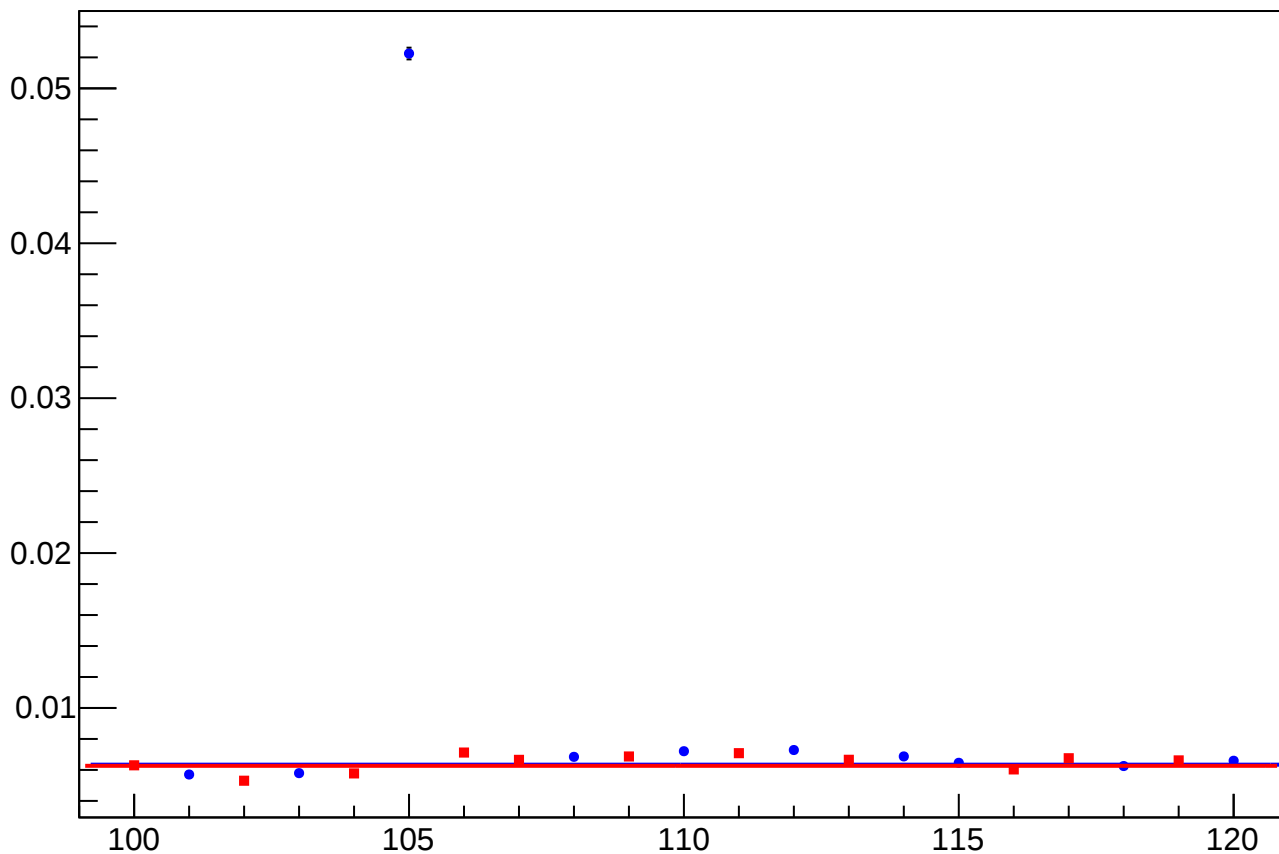
Right Out: -2.319+/-0.000  $\chi^2/\text{NDF}$ : 4342007435.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.336+/-0.000  $\chi^2/\text{NDF}$ : 2975220501.9/9

-2.319+/-0.000  $\chi^2/\text{NDF}$ : 4342007435.6/10

yield\_bpm0i01aX\_rms vs slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 70931.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

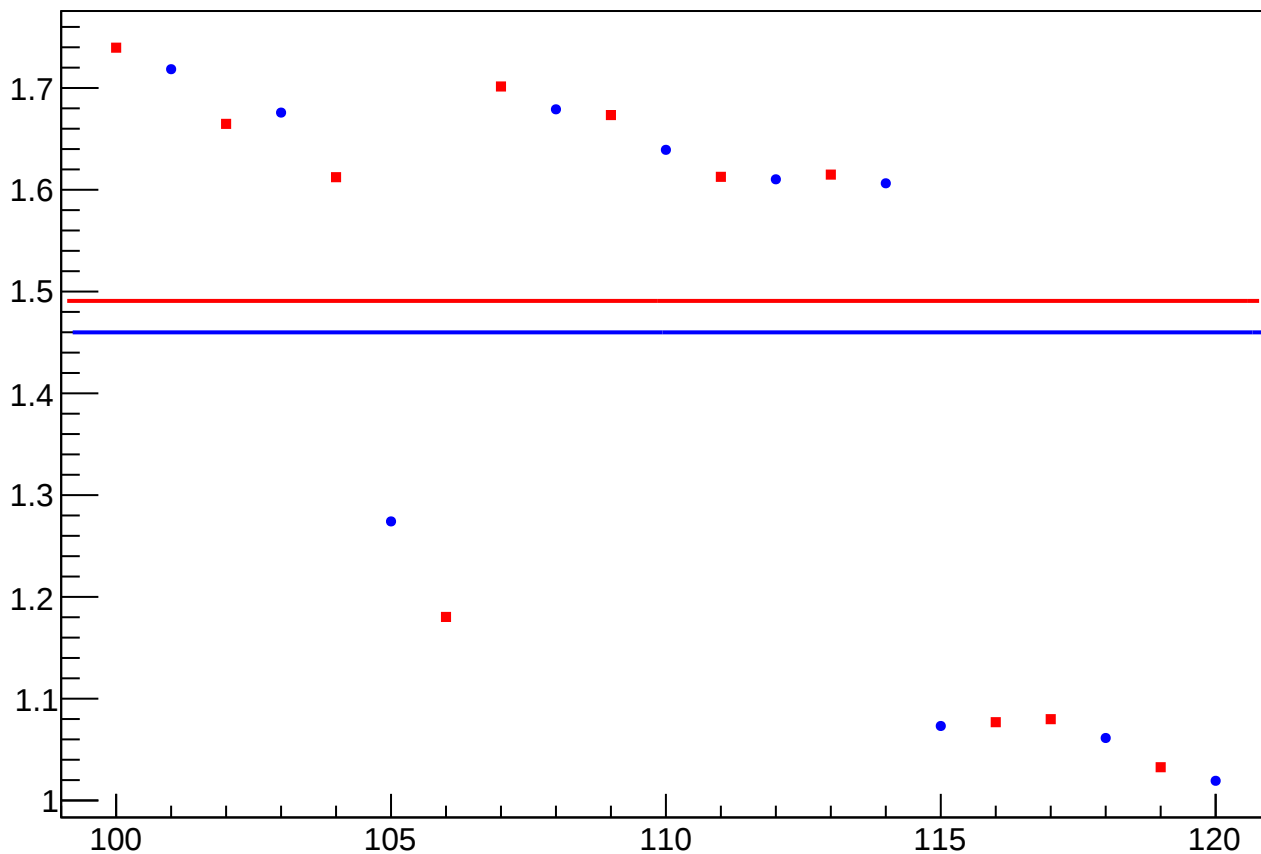
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 76008.1/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 70931.3/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 76008.1/10

# yield\_bpm0i01aY\_mean vs slug



Right In: 1.460+/-0.000  $\chi^2/\text{NDF}$ : 61815028684.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

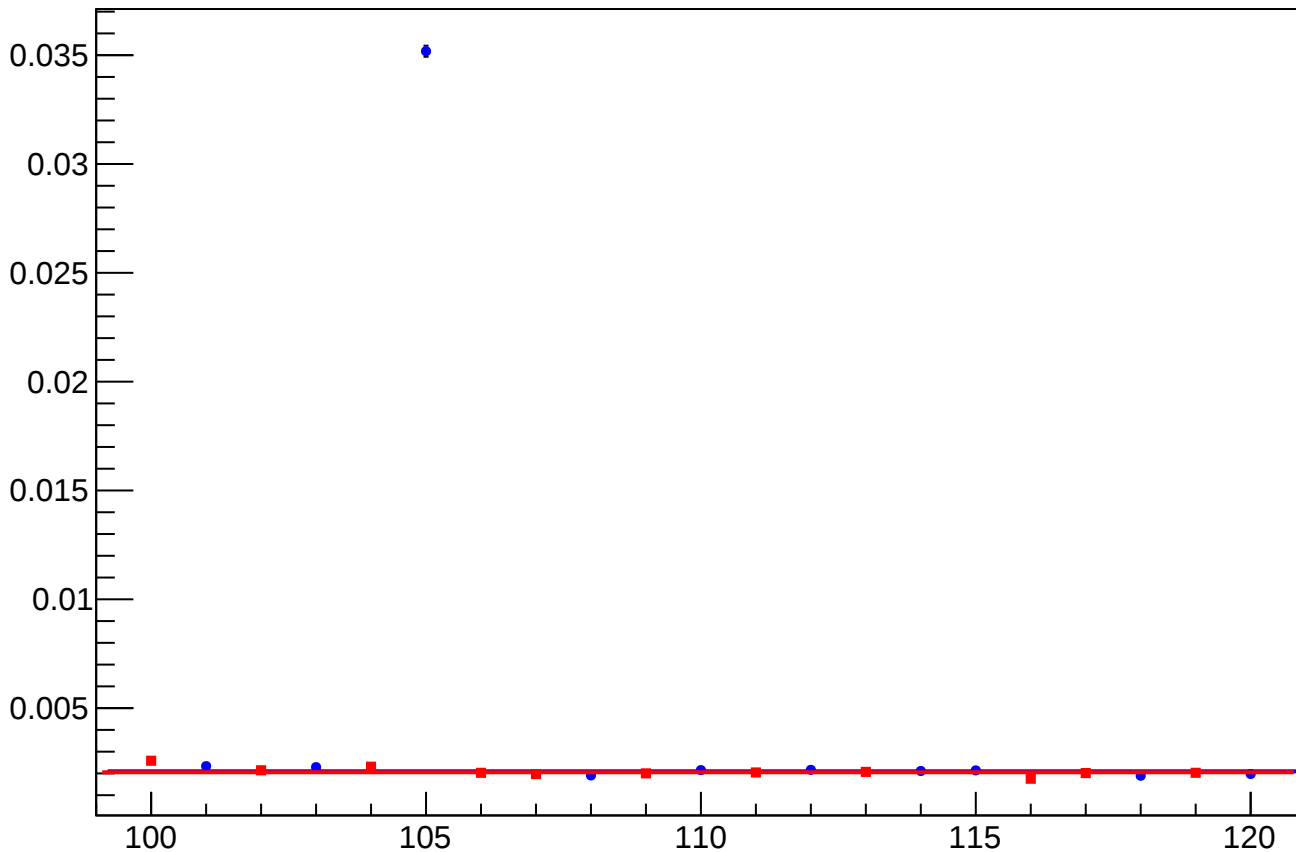
Right Out: 1.491+/-0.000  $\chi^2/\text{NDF}$ : 57372461844.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.460+/-0.000  $\chi^2/\text{NDF}$ : 61815028684.5/9

1.491+/-0.000  $\chi^2/\text{NDF}$ : 57372461844.8/10

# yield\_bpm0i01aY\_rms vs slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 57555.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

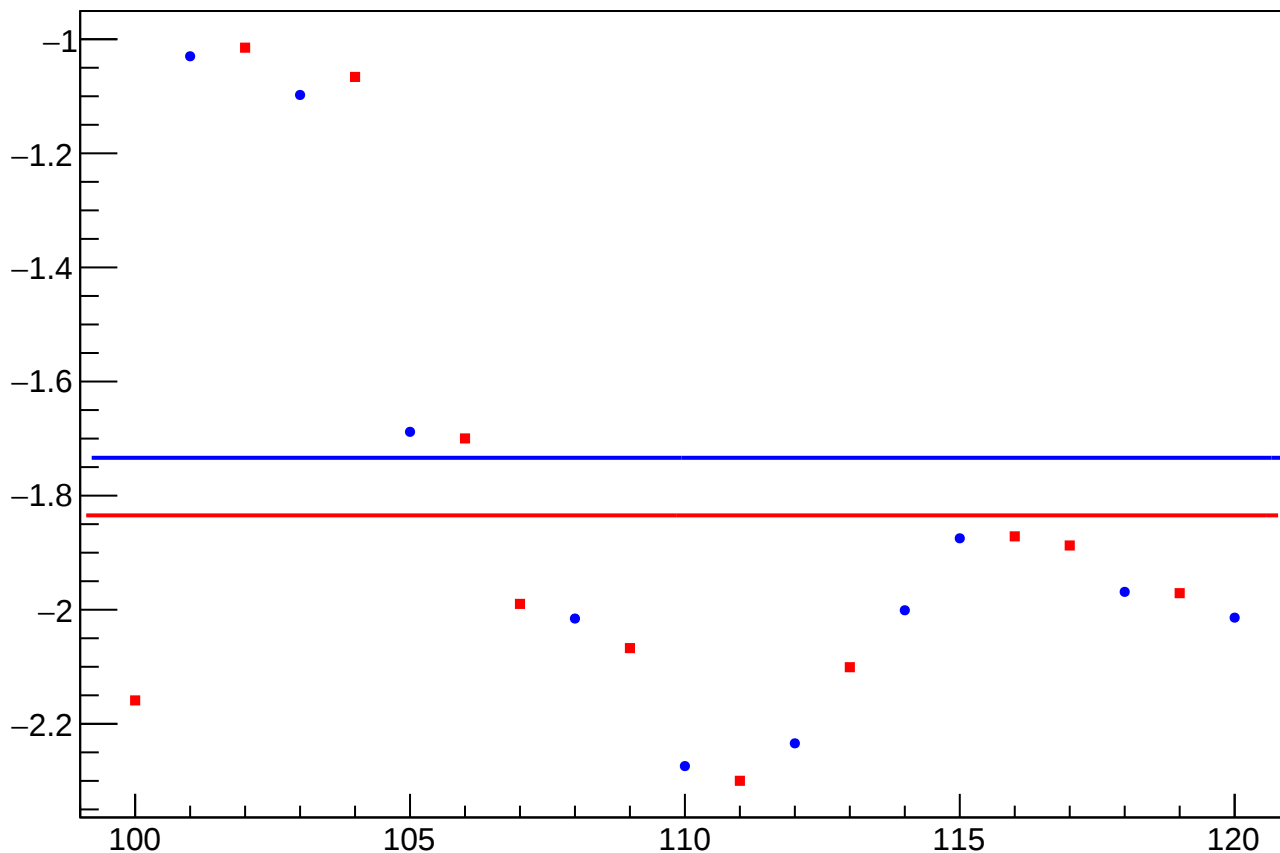
0.002+/-0.000  $\chi^2/\text{NDF}$ : 57555.6/9

Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 35519.4/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.002+/-0.000  $\chi^2/\text{NDF}$ : 35519.4/10

# yield\_bpm0l01X\_mean vs slug



Right In: -1.734+/-0.000  $\chi^2/\text{NDF}$ : 15513227799.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

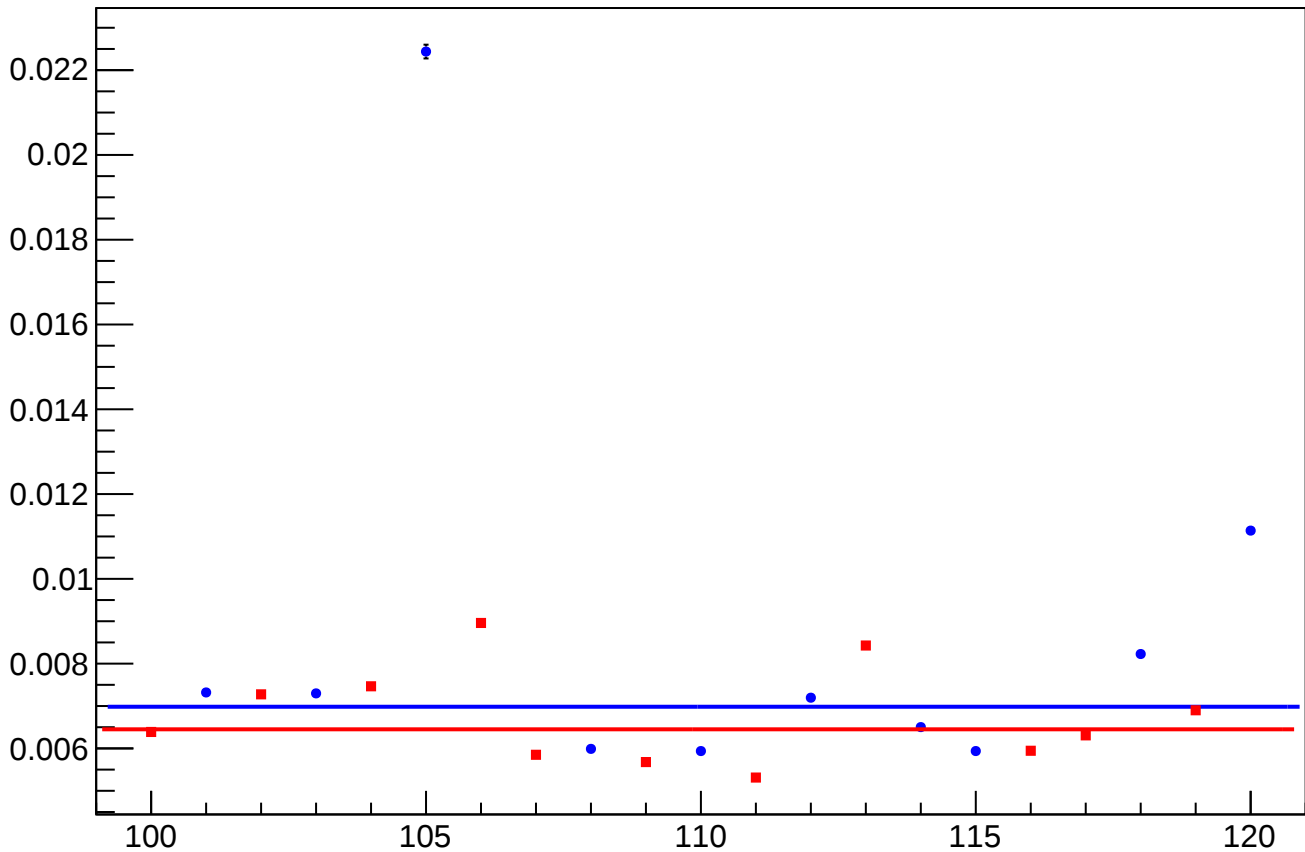
Right Out: -1.835+/-0.000  $\chi^2/\text{NDF}$ : 17030891214.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.734+/-0.000  $\chi^2/\text{NDF}$ : 15513227799.5/9

-1.835+/-0.000  $\chi^2/\text{NDF}$ : 17030891214.7/10

# yield\_bpm0l01X\_rms vs slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 158199.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

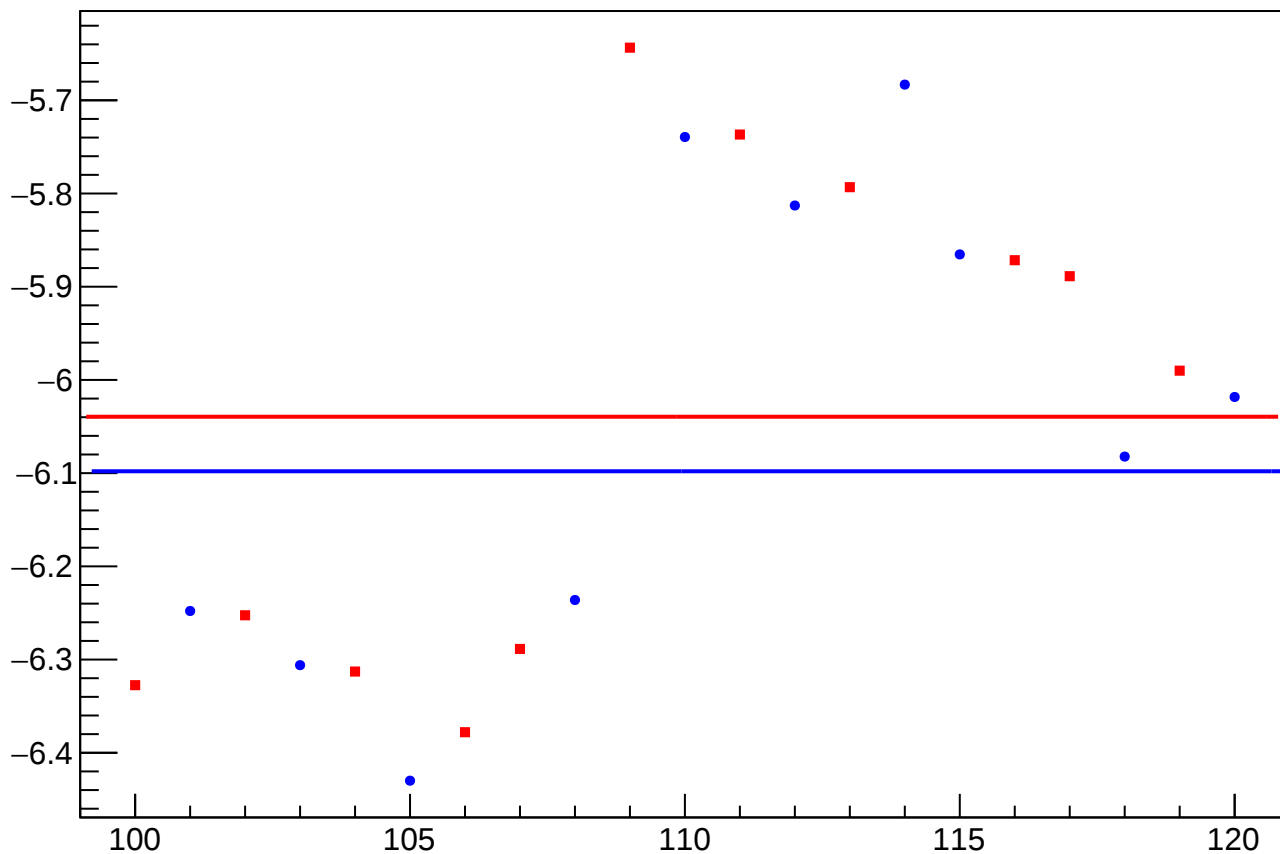
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 177251.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 158199.5/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 177251.8/10

# yield\_bpm0l01Y\_mean vs slug



Right In: -6.098+/-0.000  $\chi^2/\text{NDF}$ : 4369413194.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

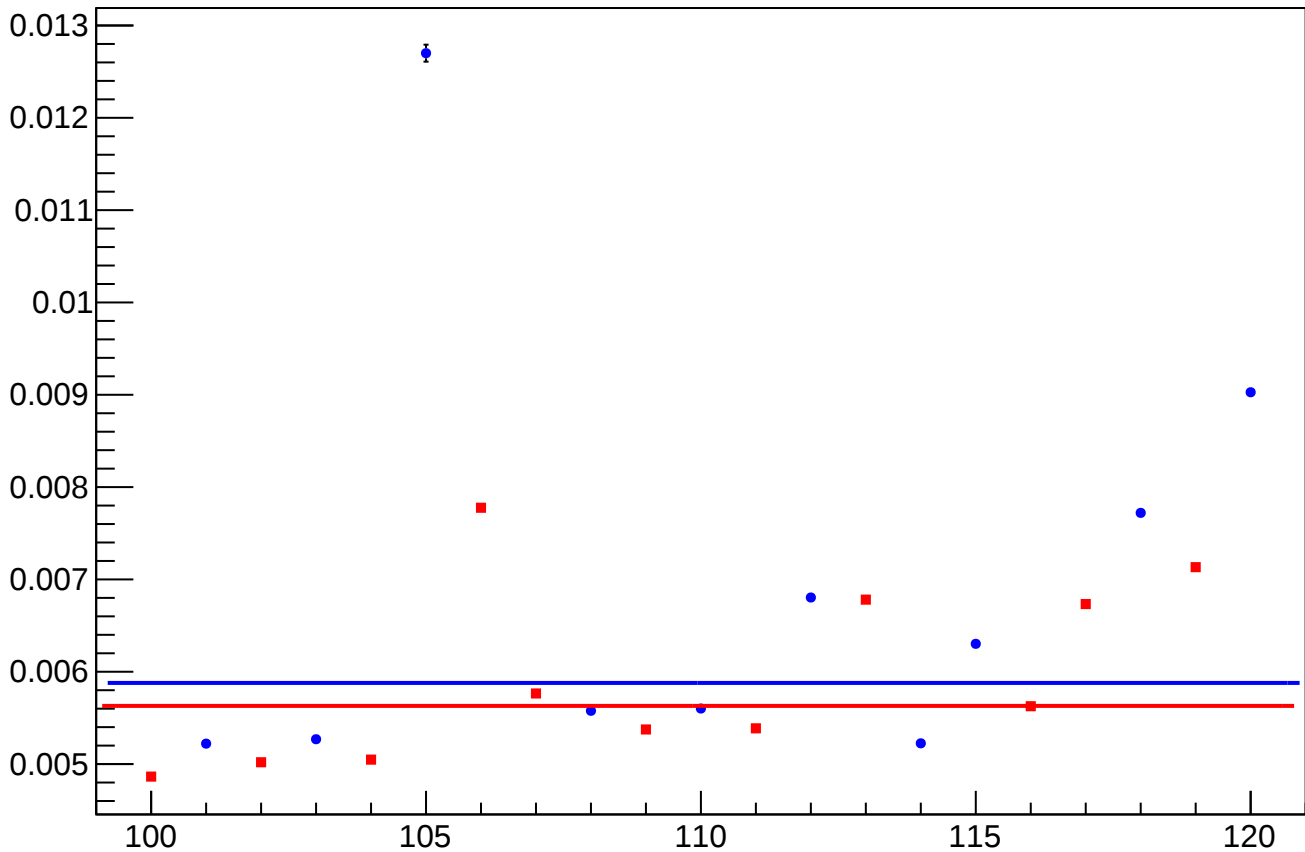
Right Out: -6.039+/-0.000  $\chi^2/\text{NDF}$ : 8142920596.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6.098+/-0.000  $\chi^2/\text{NDF}$ : 4369413194.4/9

-6.039+/-0.000  $\chi^2/\text{NDF}$ : 8142920596.7/10

# yield\_bpm0l01Y\_rms vs slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 181441.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

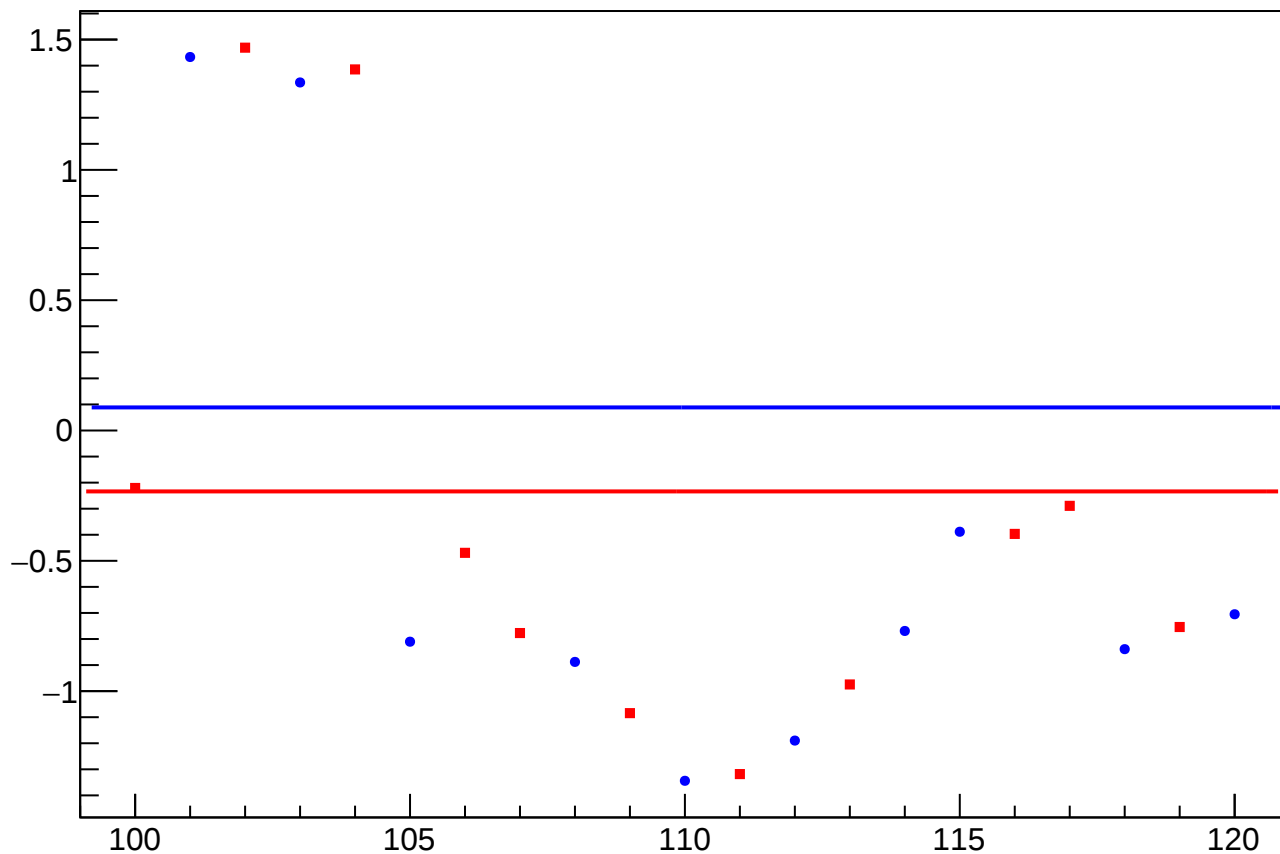
0.006+/-0.000  $\chi^2/\text{NDF}$ : 181441.8/9

Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 134378.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 134378.6/10

# yield\_bpm0l02X\_mean vs slug



Right In: 0.089+/-0.000  $\chi^2/\text{NDF}$ : 16313237660.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

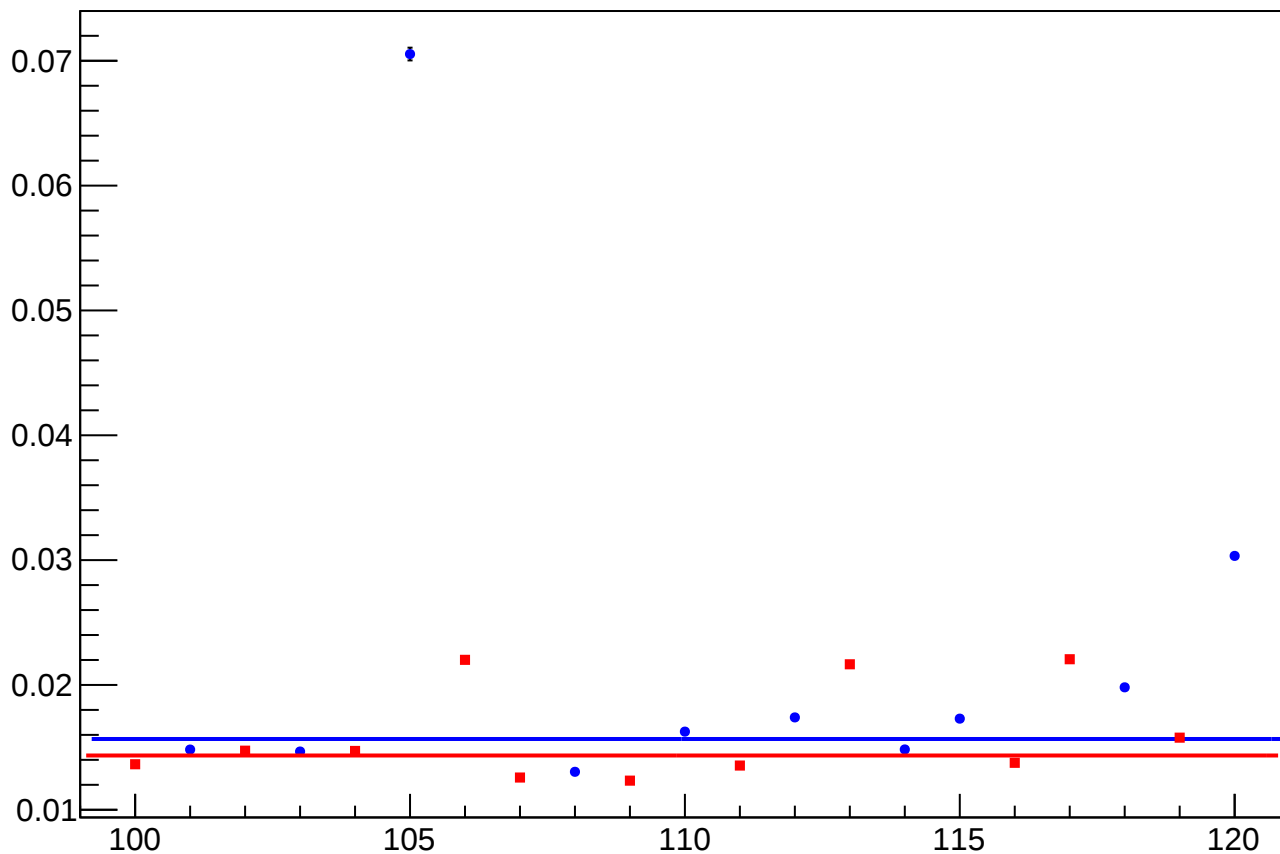
Right Out: -0.234+/-0.000  $\chi^2/\text{NDF}$ : 19565264631.1/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.089+/-0.000  $\chi^2/\text{NDF}$ : 16313237660.2/9

-0.234+/-0.000  $\chi^2/\text{NDF}$ : 19565264631.1/10

# yield\_bpm0l02X\_rms vs slug



Right In: 0.016+/-0.000  $\chi^2/\text{NDF}$ : 219106.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

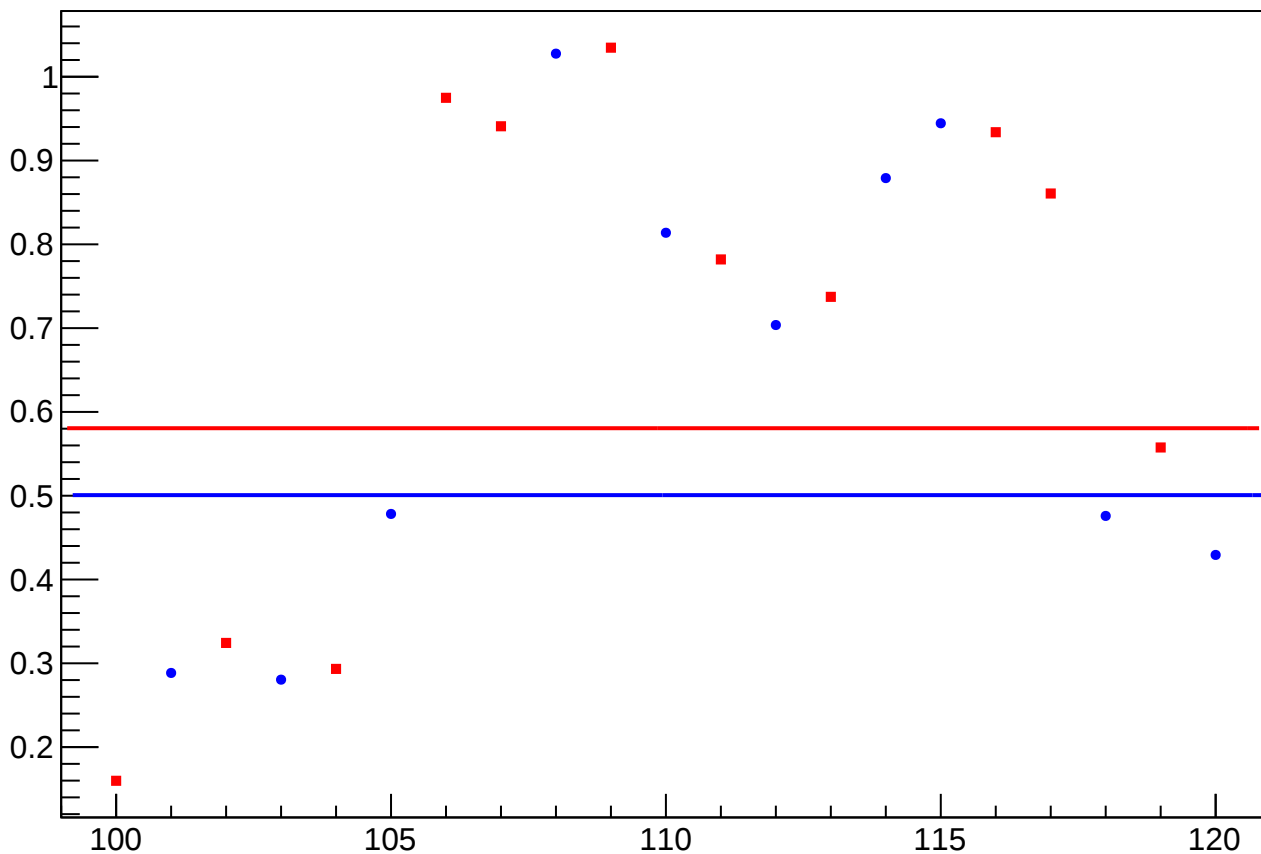
Right Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 180676.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.016+/-0.000  $\chi^2/\text{NDF}$ : 219106.8/9

0.014+/-0.000  $\chi^2/\text{NDF}$ : 180676.6/10

# yield\_bpm0l02Y\_mean vs slug



Right In: 0.501+/-0.000  $\chi^2/\text{NDF}$ : 3464044635.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

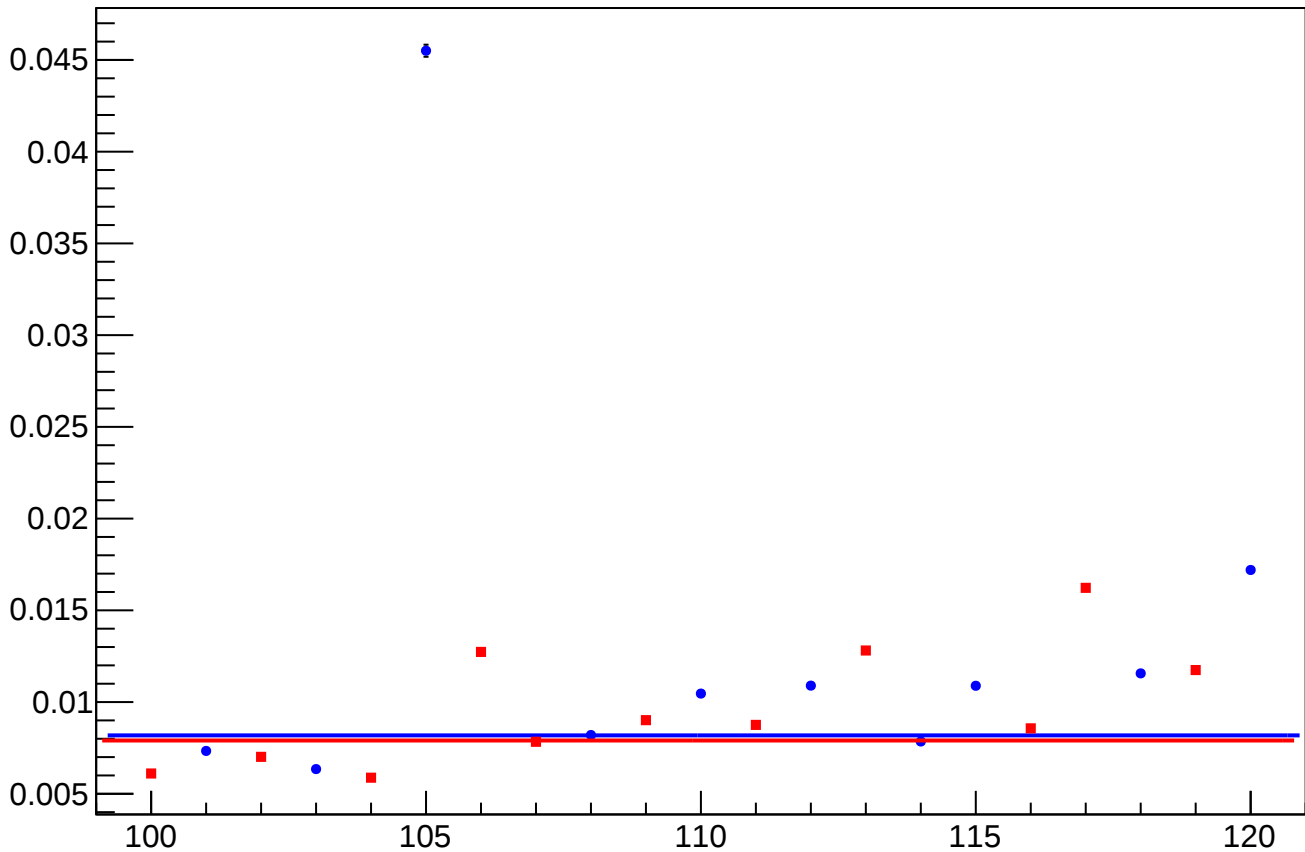
Right Out: 0.581+/-0.000  $\chi^2/\text{NDF}$ : 4836192165.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.501+/-0.000  $\chi^2/\text{NDF}$ : 3464044635.2/9

0.581+/-0.000  $\chi^2/\text{NDF}$ : 4836192165.5/10

yield\_bpm0l02Y\_rms vs slug



Right In: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 428539.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

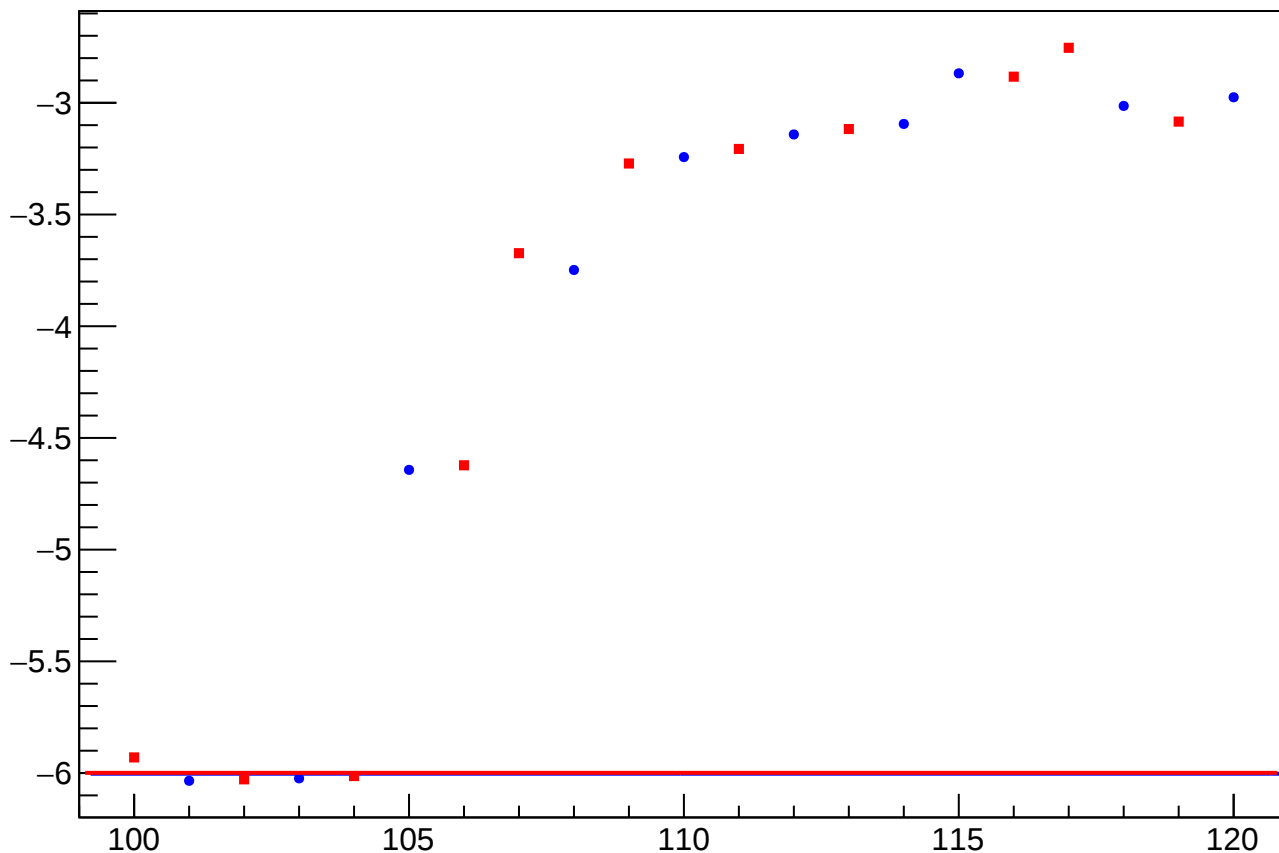
Right Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 419426.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.008+/-0.000  $\chi^2/\text{NDF}$ : 428539.7/9

0.008+/-0.000  $\chi^2/\text{NDF}$ : 419426.6/10

yield\_bpm0l03X\_mean vs slug



Right In: -6.003+/-0.000  $\chi^2/\text{NDF}$ : 3055250210.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

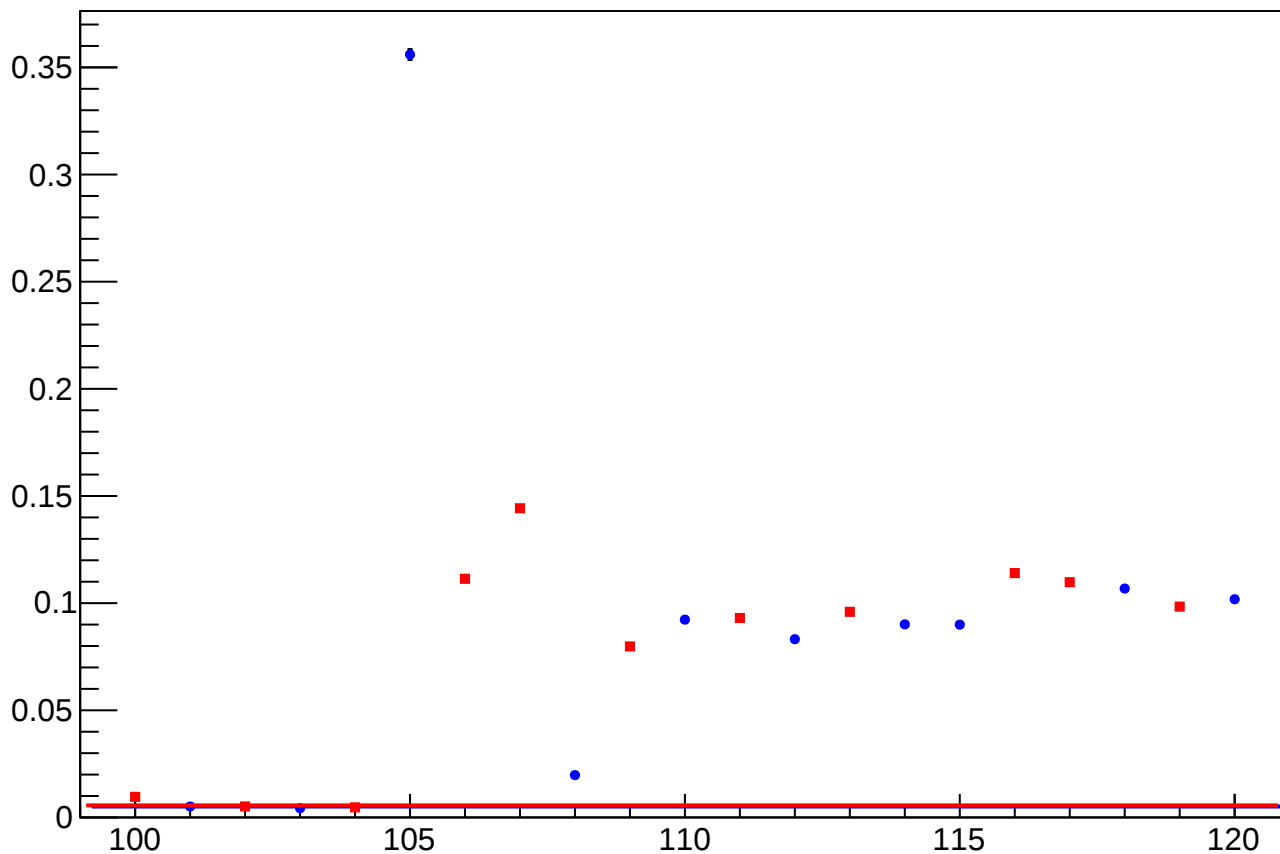
Right Out: -5.999+/-0.000  $\chi^2/\text{NDF}$ : 2090462204.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6.003+/-0.000  $\chi^2/\text{NDF}$ : 3055250210.5/9

-5.999+/-0.000  $\chi^2/\text{NDF}$ : 2090462204.5/10

yield\_bpm0l03X\_rms vs slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 3262797.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

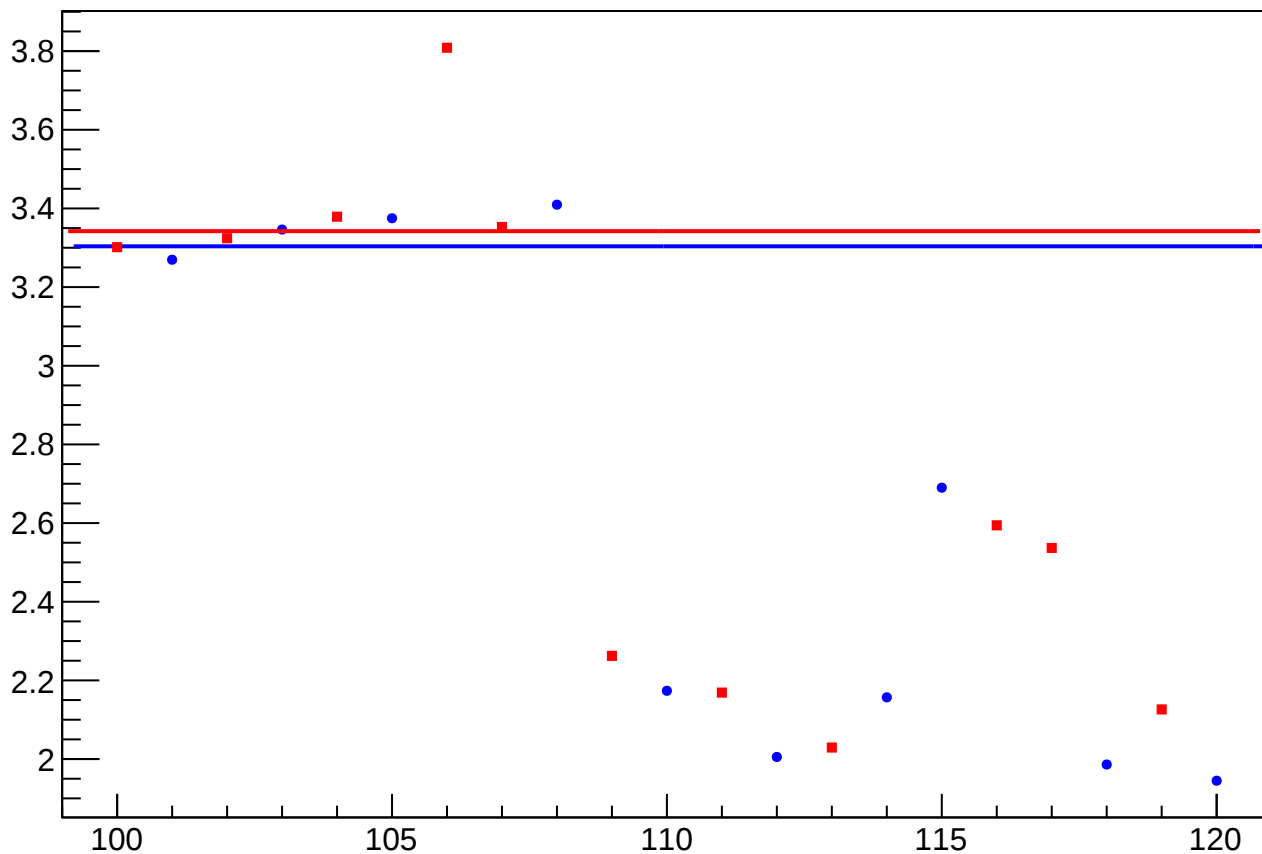
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 4804960.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 3262797.5/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 4804960.5/10

yield\_bpm0l03Y\_mean vs slug



Right In: 3.304+/-0.000  $\chi^2/\text{NDF}$ : 315031495.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

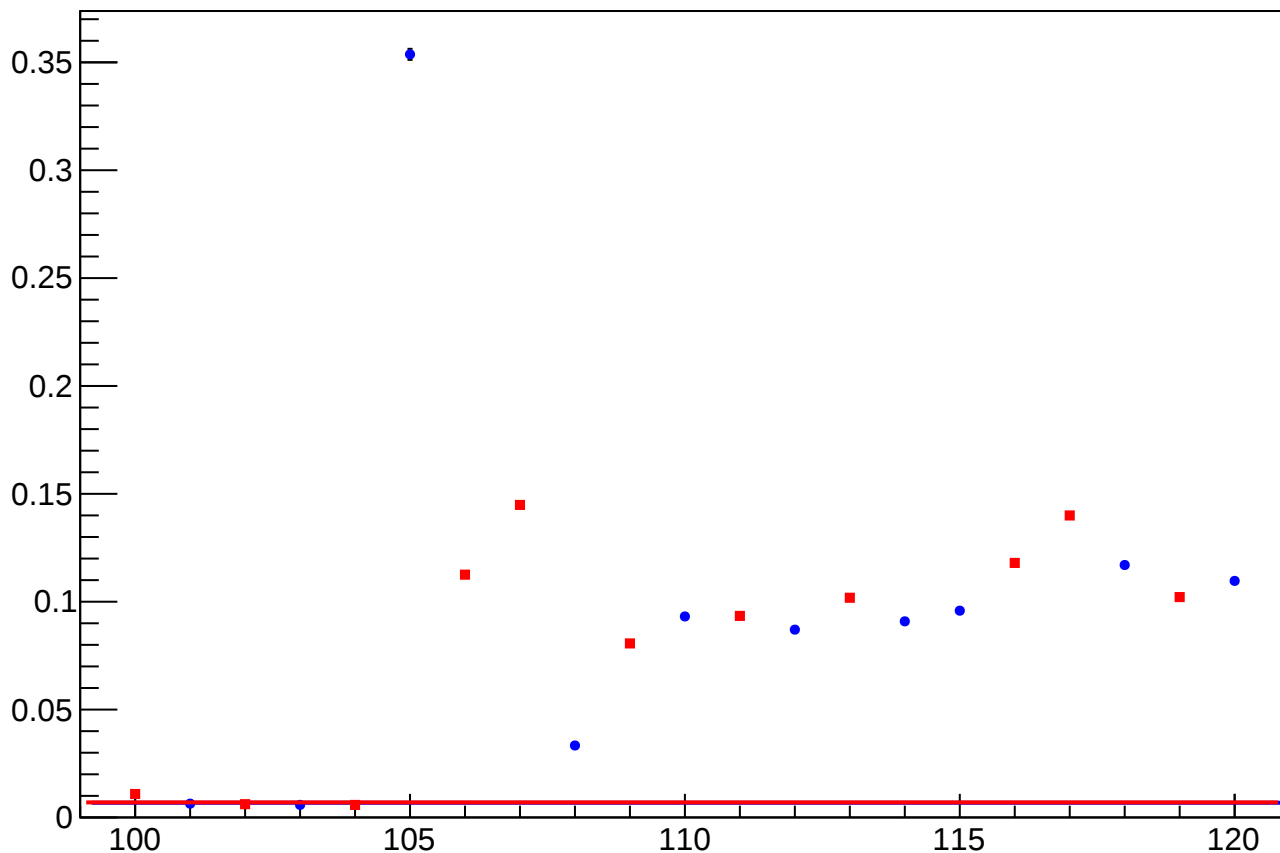
Right Out: 3.342+/-0.000  $\chi^2/\text{NDF}$ : 327134285.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.304+/-0.000  $\chi^2/\text{NDF}$ : 315031495.7/9

3.342+/-0.000  $\chi^2/\text{NDF}$ : 327134285.5/10

# yield\_bpm0l03Y\_rms vs slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 3281177.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

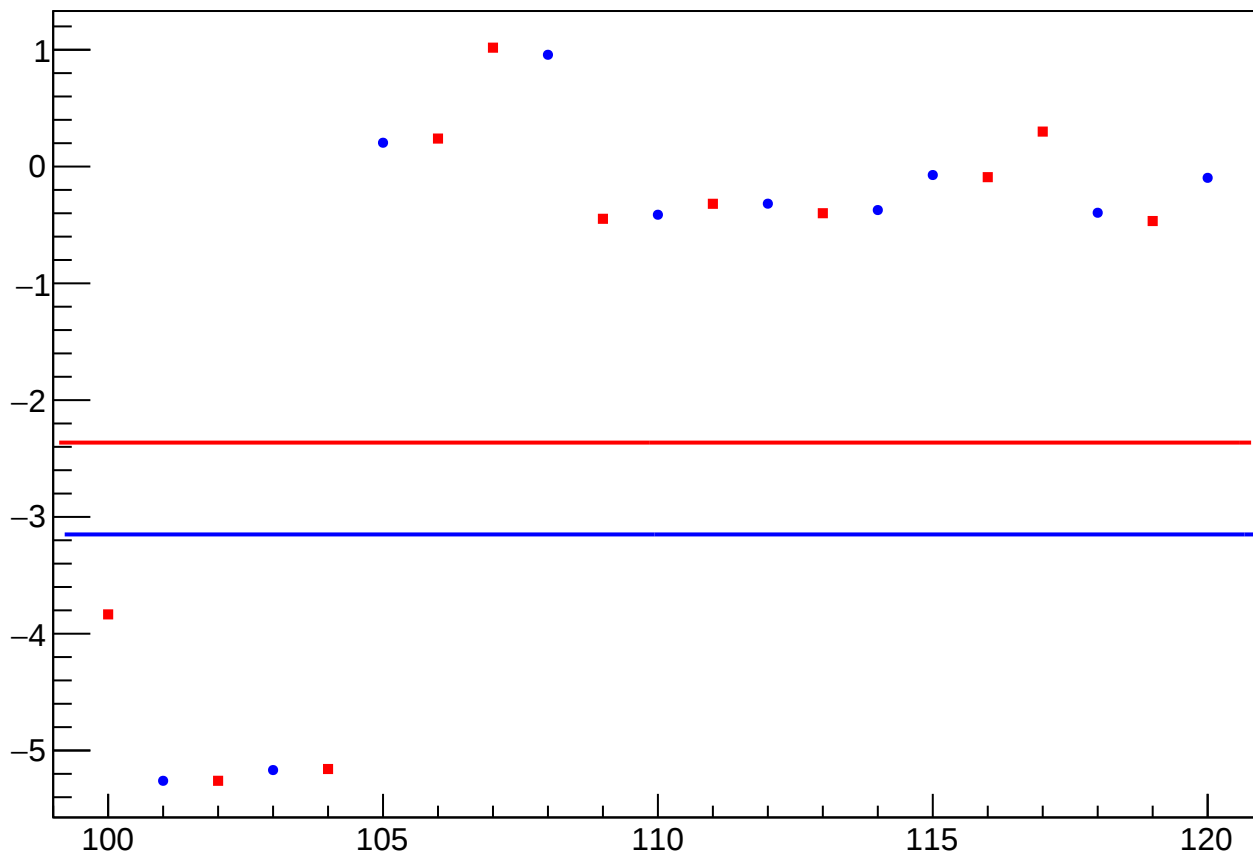
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 4684981.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 3281177.3/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 4684981.0/10

# yield\_bpm0l04X\_mean vs slug



Right In: -3.150+/-0.000  $\chi^2/\text{NDF}$ : 87816563480.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

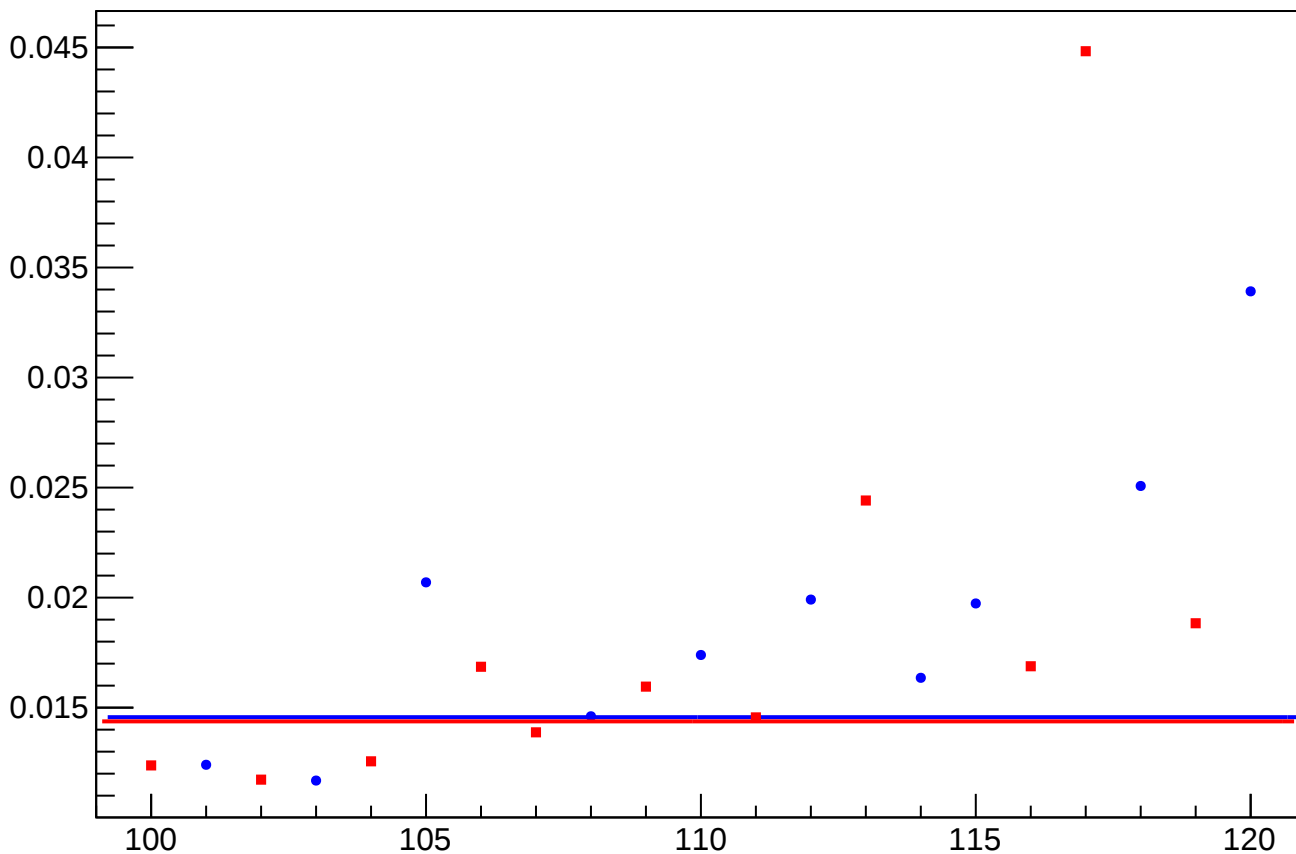
Right Out: -2.364+/-0.000  $\chi^2/\text{NDF}$ : 108893414573.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3.150+/-0.000  $\chi^2/\text{NDF}$ : 87816563480.5/9

-2.364+/-0.000  $\chi^2/\text{NDF}$ : 108893414573.0/10

# yield\_bpm0l04X\_rms vs slug



Right In: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 495615.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

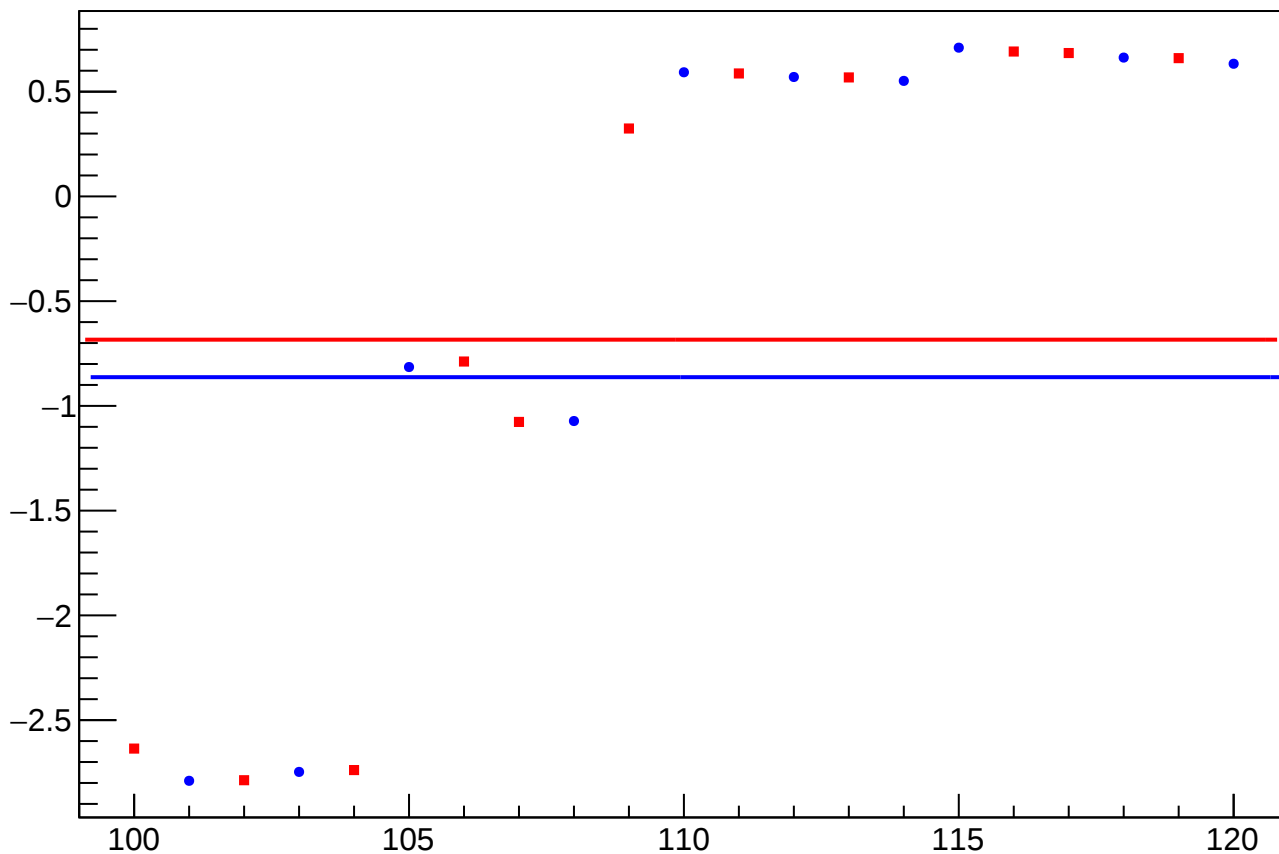
Right Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 288786.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.015+/-0.000  $\chi^2/\text{NDF}$ : 495615.6/9

0.014+/-0.000  $\chi^2/\text{NDF}$ : 288786.0/10

# yield\_bpm0l04Y\_mean vs slug



Right In: -0.863+/-0.000  $\chi^2/\text{NDF}$ : 497722899602.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

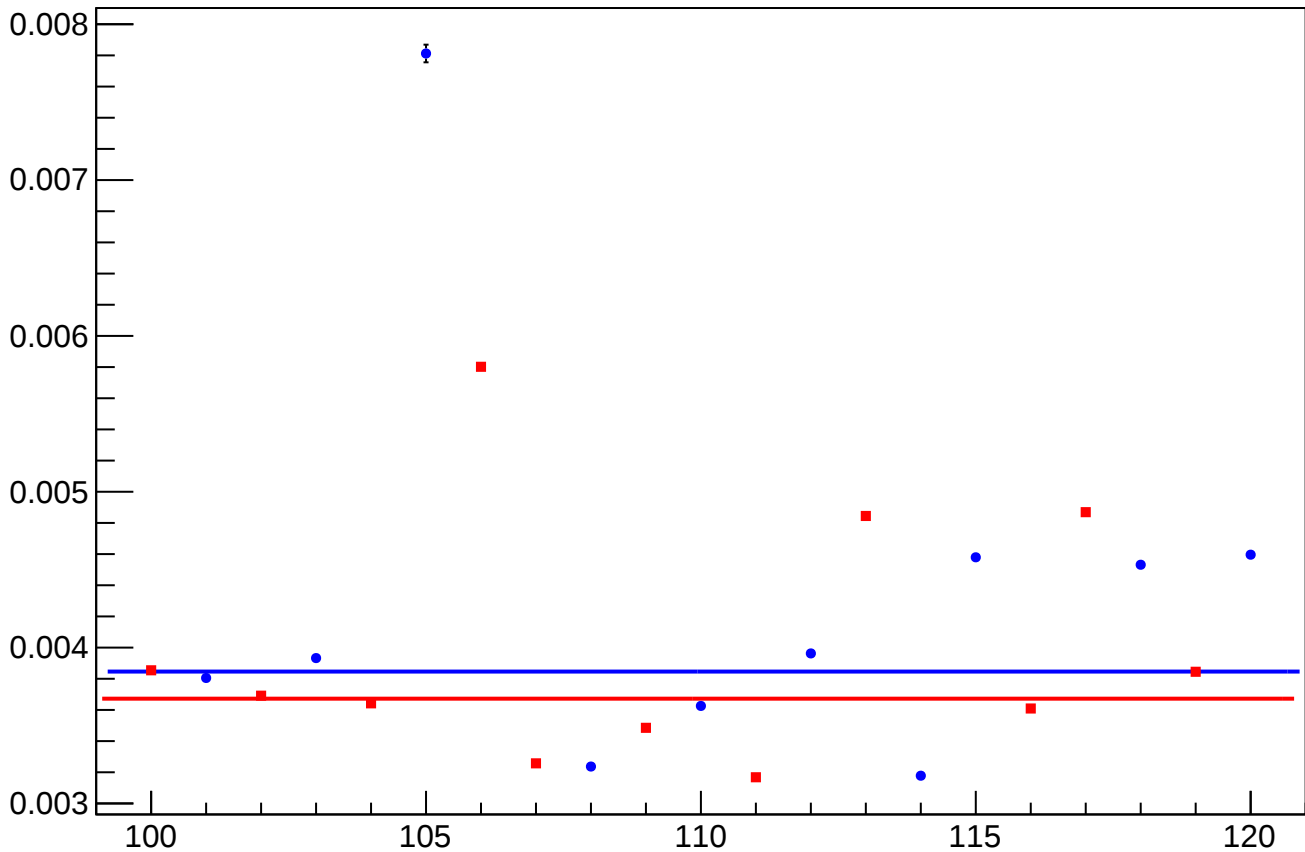
-0.863+/-0.000  $\chi^2/\text{NDF}$ : 497722899602.6/9

Right Out: -0.684+/-0.000  $\chi^2/\text{NDF}$ : 575764032062.0/10

-0.684+/-0.000  $\chi^2/\text{NDF}$ : 575764032062.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# yield\_bpm0l04Y\_rms vs slug



Right In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 87294.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

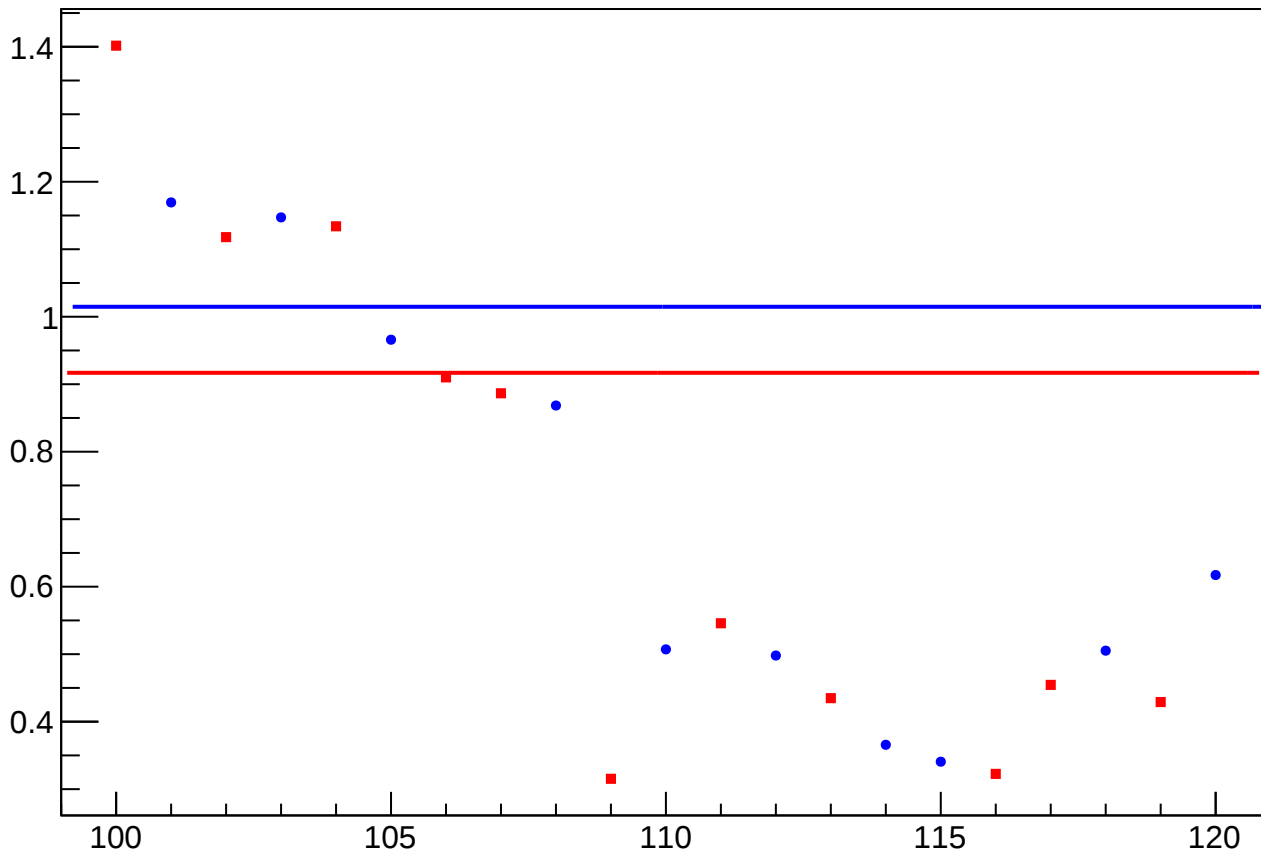
0.004+/-0.000  $\chi^2/\text{NDF}$ : 87294.0/9

Right Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 159969.1/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.004+/-0.000  $\chi^2/\text{NDF}$ : 159969.1/10

# yield\_bpm0l05X\_mean vs slug



Right In: 1.015+/-0.000  $\chi^2/\text{NDF}$ : 5869499116.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

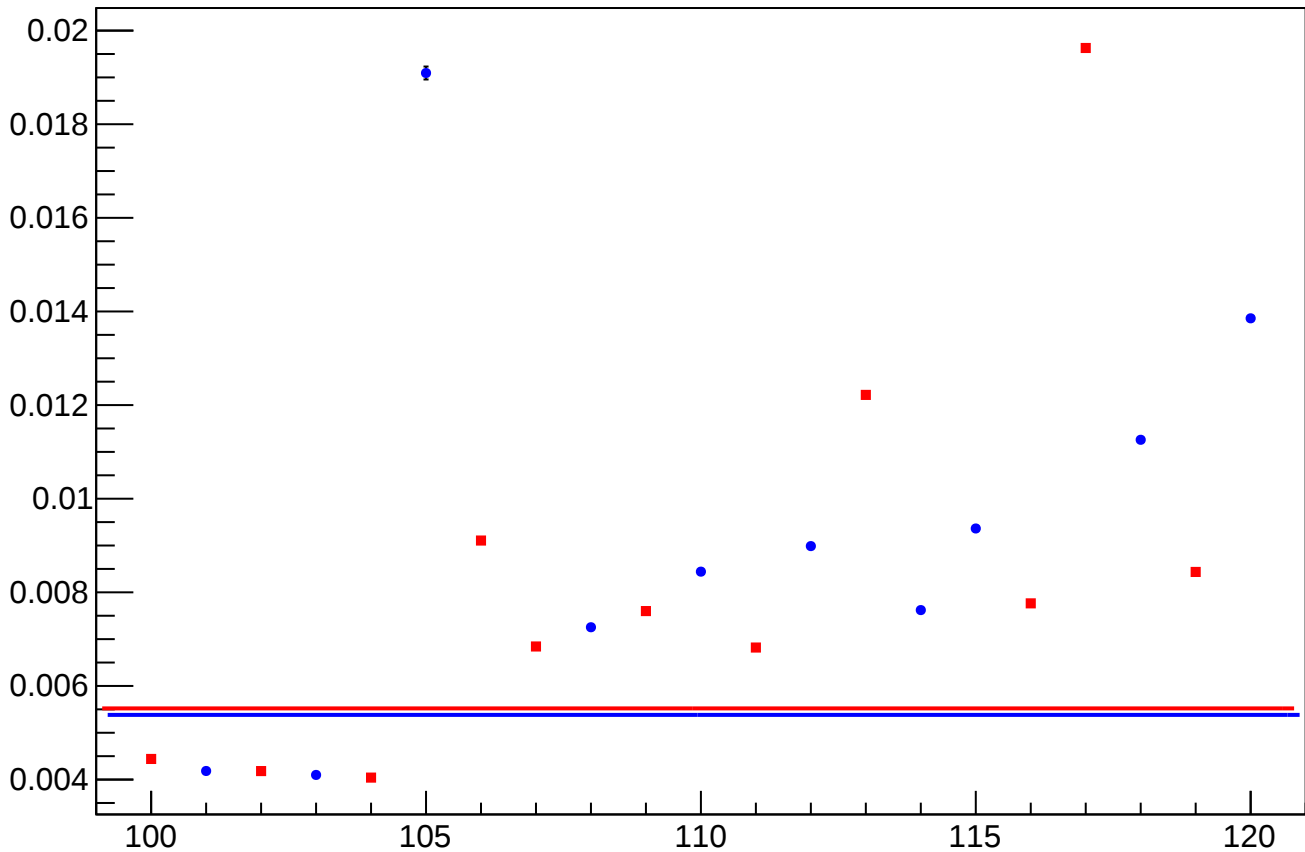
1.015+/-0.000  $\chi^2/\text{NDF}$ : 5869499116.6/9

Right Out: 0.917+/-0.000  $\chi^2/\text{NDF}$ : 10332602645.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.917+/-0.000  $\chi^2/\text{NDF}$ : 10332602645.0/10

# yield\_bpm0l05X\_rms vs slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 925643.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

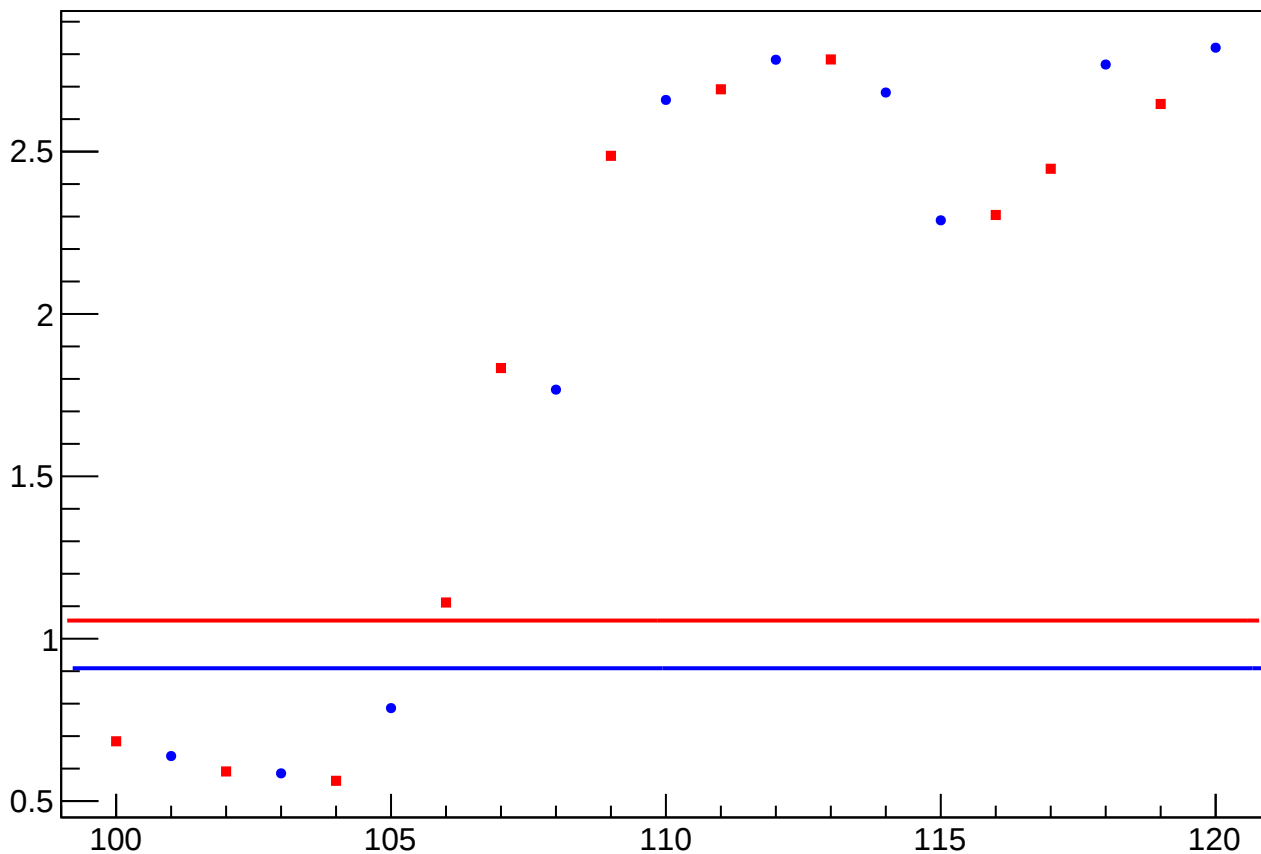
0.005+/-0.000  $\chi^2/\text{NDF}$ : 925643.3/9

Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 790698.1/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 790698.1/10

# yield\_bpm0l05Y\_mean vs slug



Right In: 0.909+/-0.000  $\chi^2/\text{NDF}$ : 45296863215.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

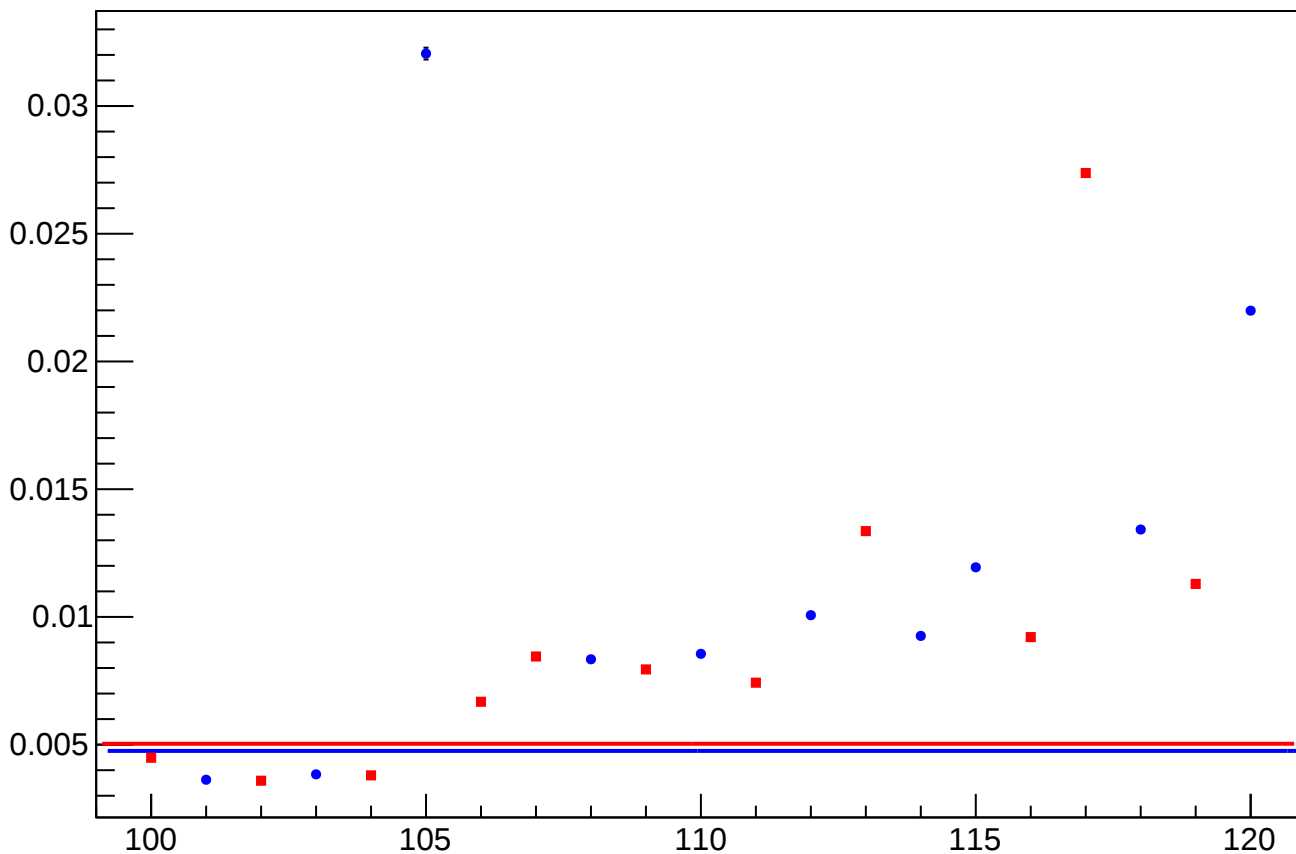
0.909+/-0.000  $\chi^2/\text{NDF}$ : 45296863215.7/9

Right Out: 1.056+/-0.000  $\chi^2/\text{NDF}$ : 69303807871.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.056+/-0.000  $\chi^2/\text{NDF}$ : 69303807871.6/10

# yield\_bpm0l05Y\_rms vs slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 1283522.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

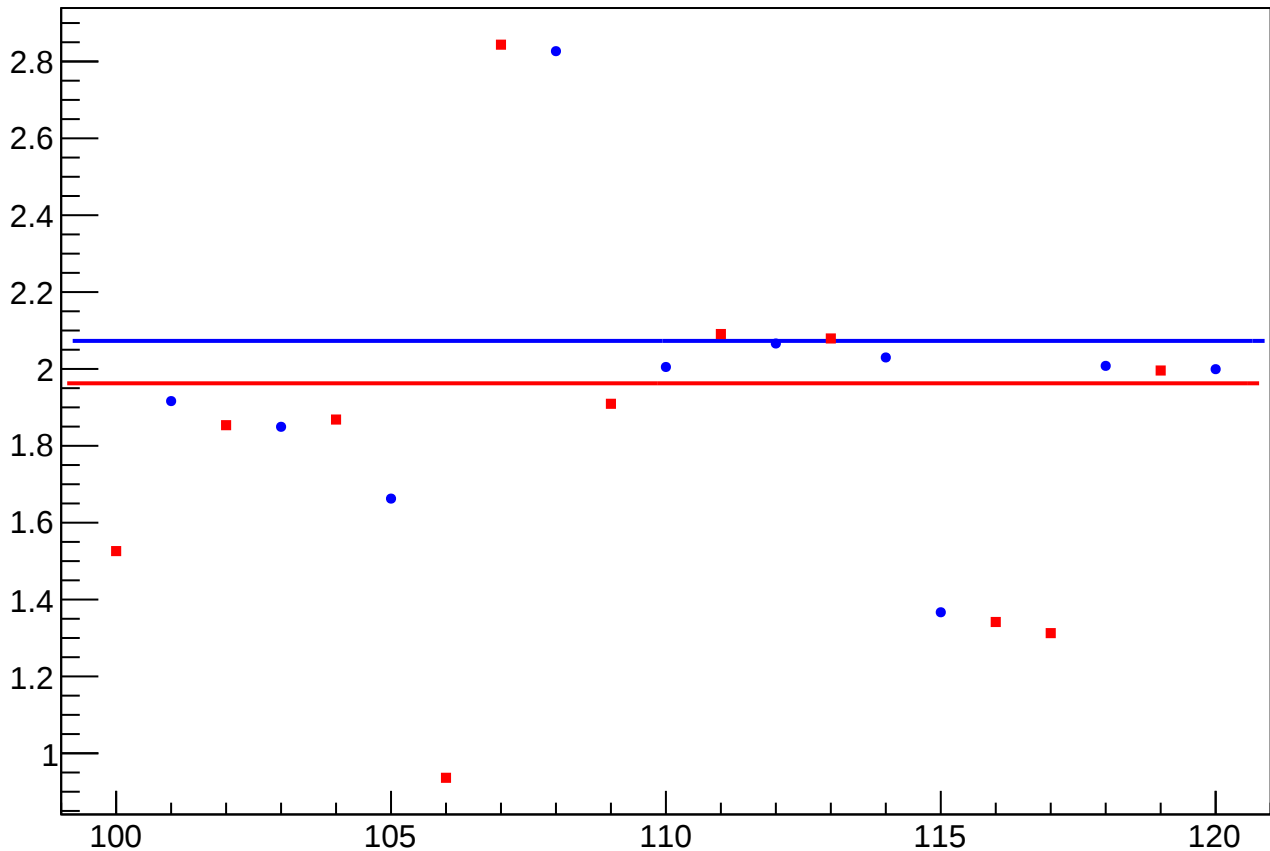
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 1148726.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 1283522.1/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 1148726.0/10

# yield\_bpm0l06X\_mean vs slug



Right In: 2.073+/-0.000  $\chi^2/\text{NDF}$ : 7390916883.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

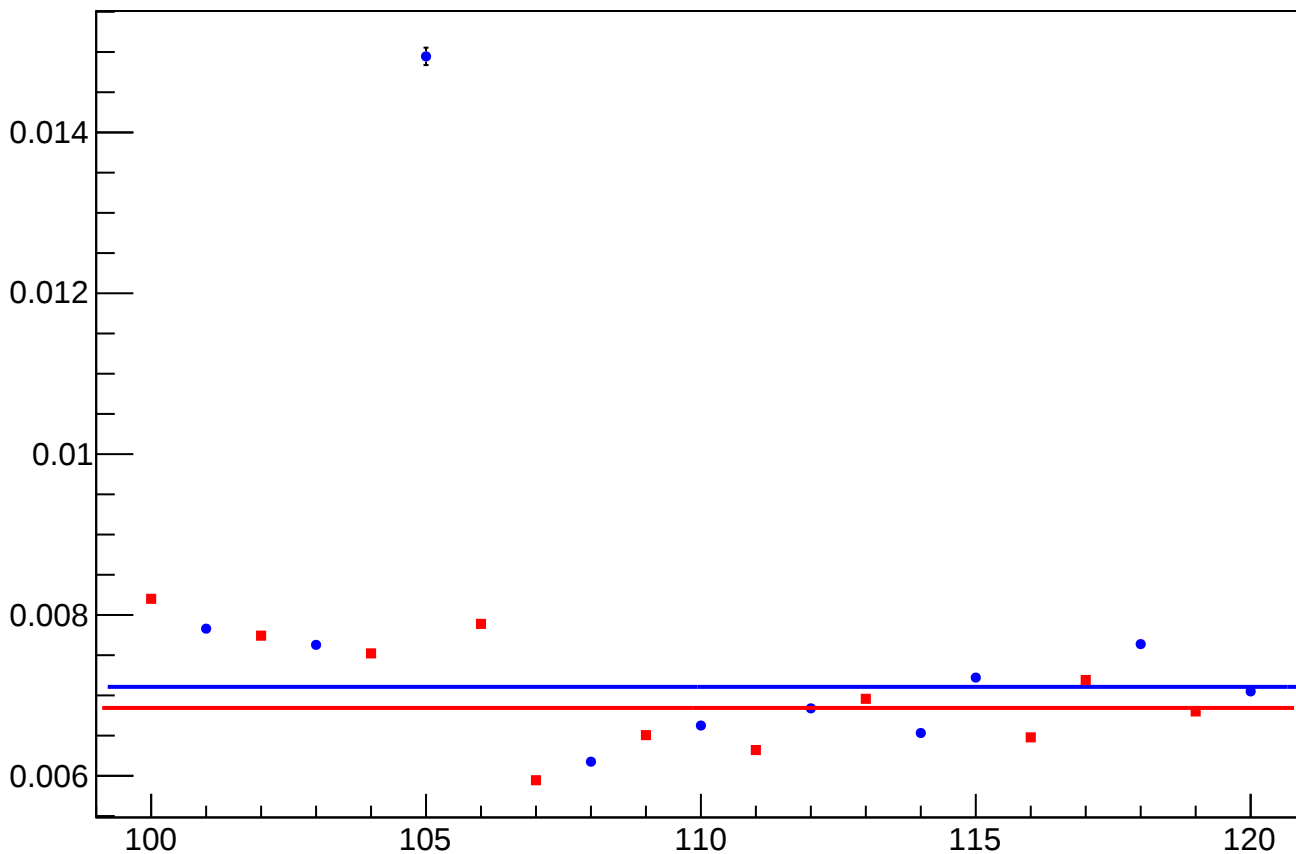
2.073+/-0.000  $\chi^2/\text{NDF}$ : 7390916883.9/9

Right Out: 1.963+/-0.000  $\chi^2/\text{NDF}$ : 15349794350.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.963+/-0.000  $\chi^2/\text{NDF}$ : 15349794350.7/10

# yield\_bpm0l06X\_rms vs slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 46963.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

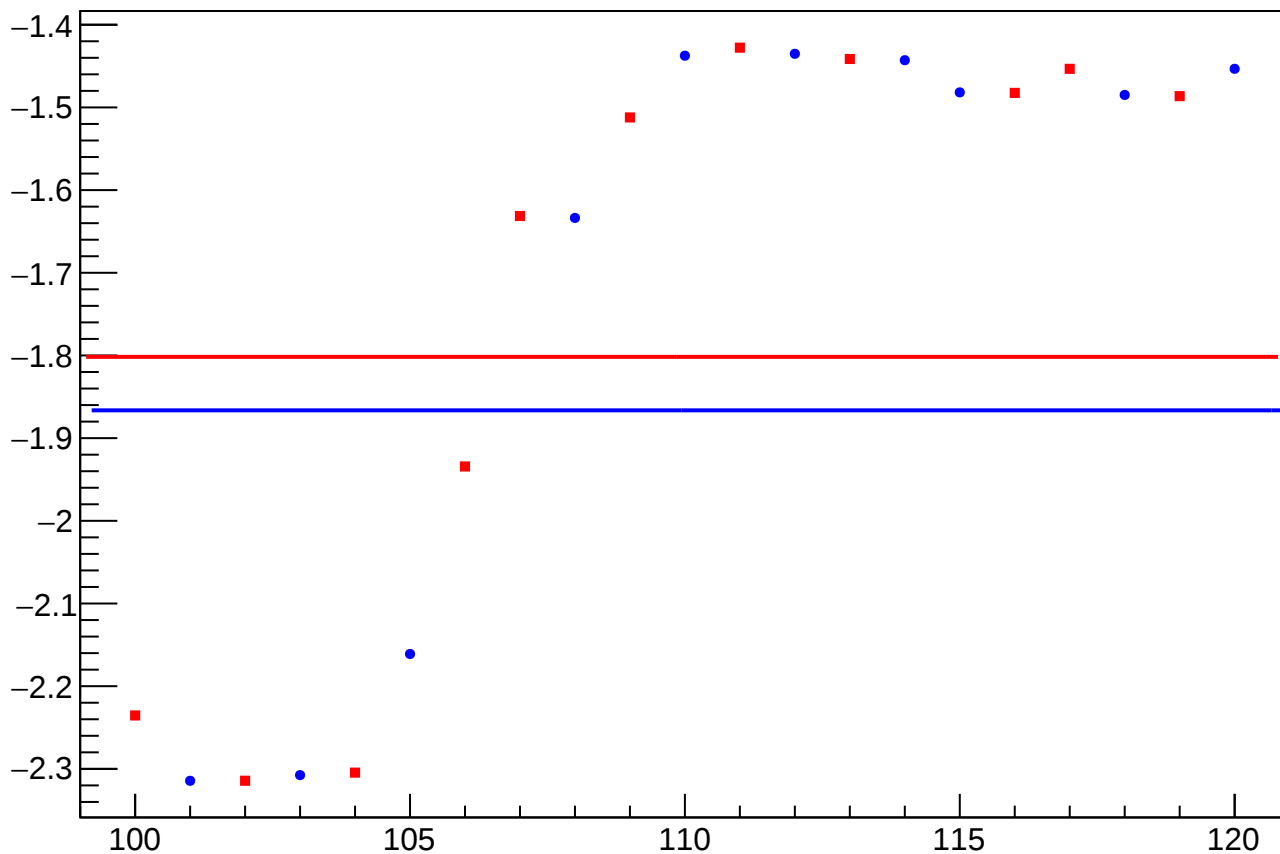
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 60991.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 46963.5/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 60991.5/10

# yield\_bpm0l06Y\_mean vs slug



Right In: -1.866+/-0.000  $\chi^2/\text{NDF}$ : 71135151783.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

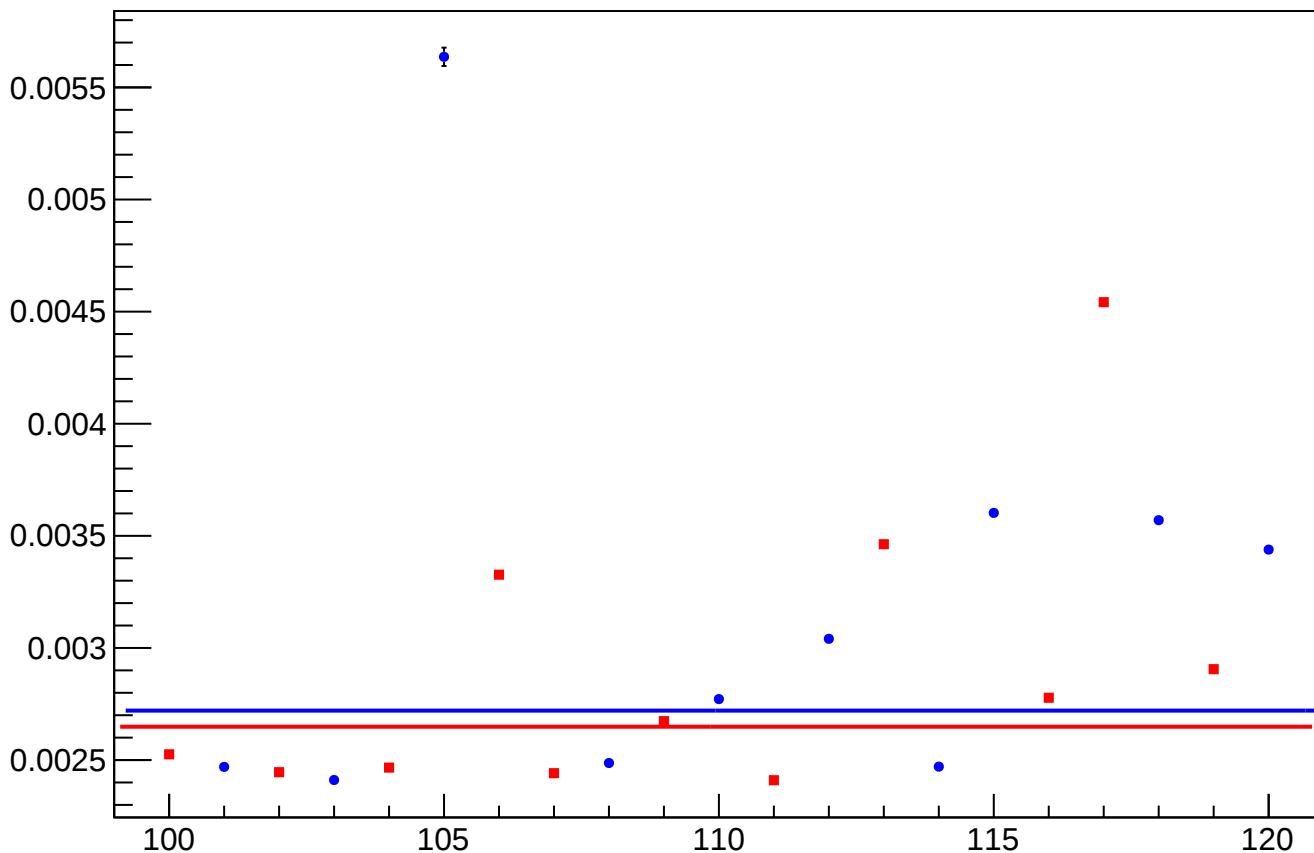
Right Out: -1.802+/-0.000  $\chi^2/\text{NDF}$ : 76283582041.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.866+/-0.000  $\chi^2/\text{NDF}$ : 71135151783.4/9

-1.802+/-0.000  $\chi^2/\text{NDF}$ : 76283582041.2/10

# yield\_bpm0l06Y\_rms vs slug



Right In: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 143613.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

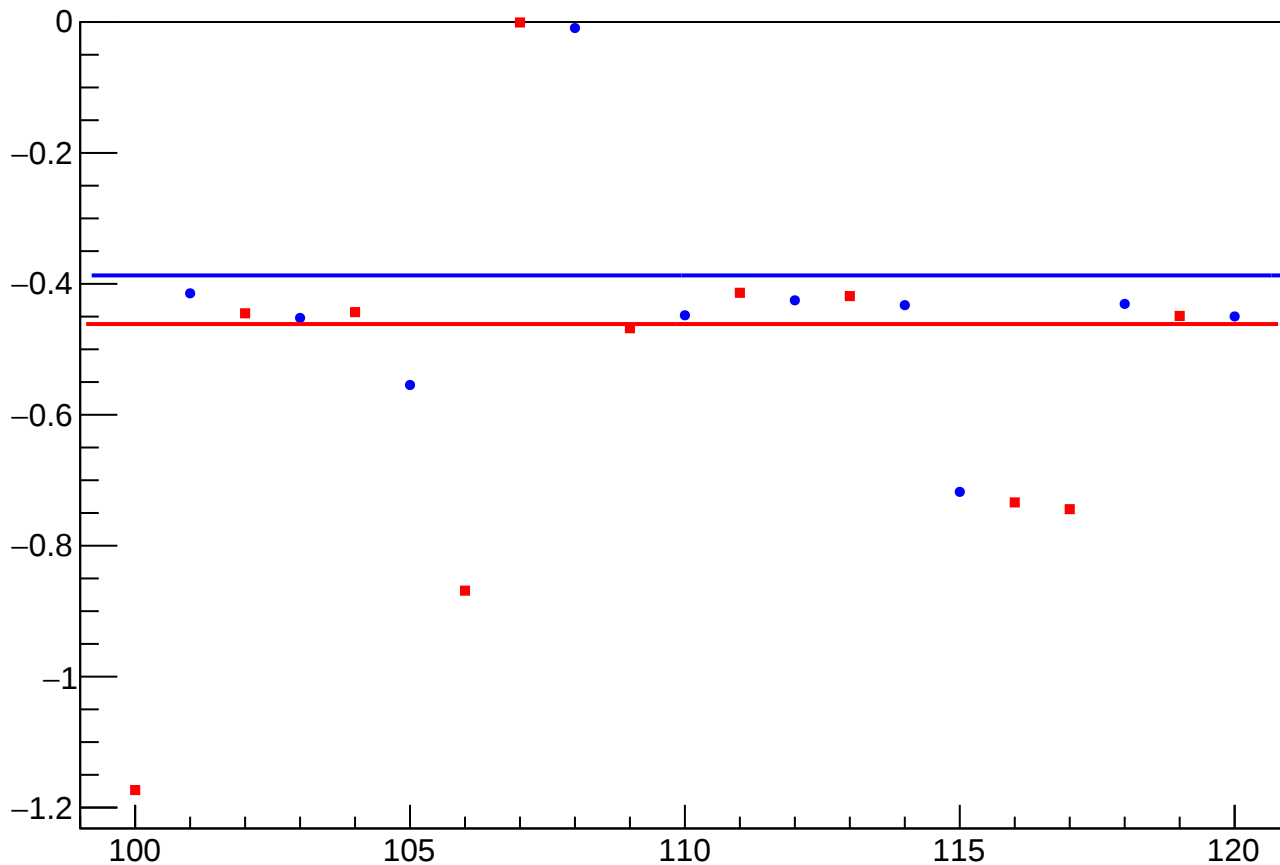
Right Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 111118.1/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.003+/-0.000  $\chi^2/\text{NDF}$ : 143613.4/9

0.003+/-0.000  $\chi^2/\text{NDF}$ : 111118.1/10

# yield\_bpm0l07X\_mean vs slug



Right In: -0.387+/-0.000  $\chi^2/\text{NDF}$ : 654968610.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

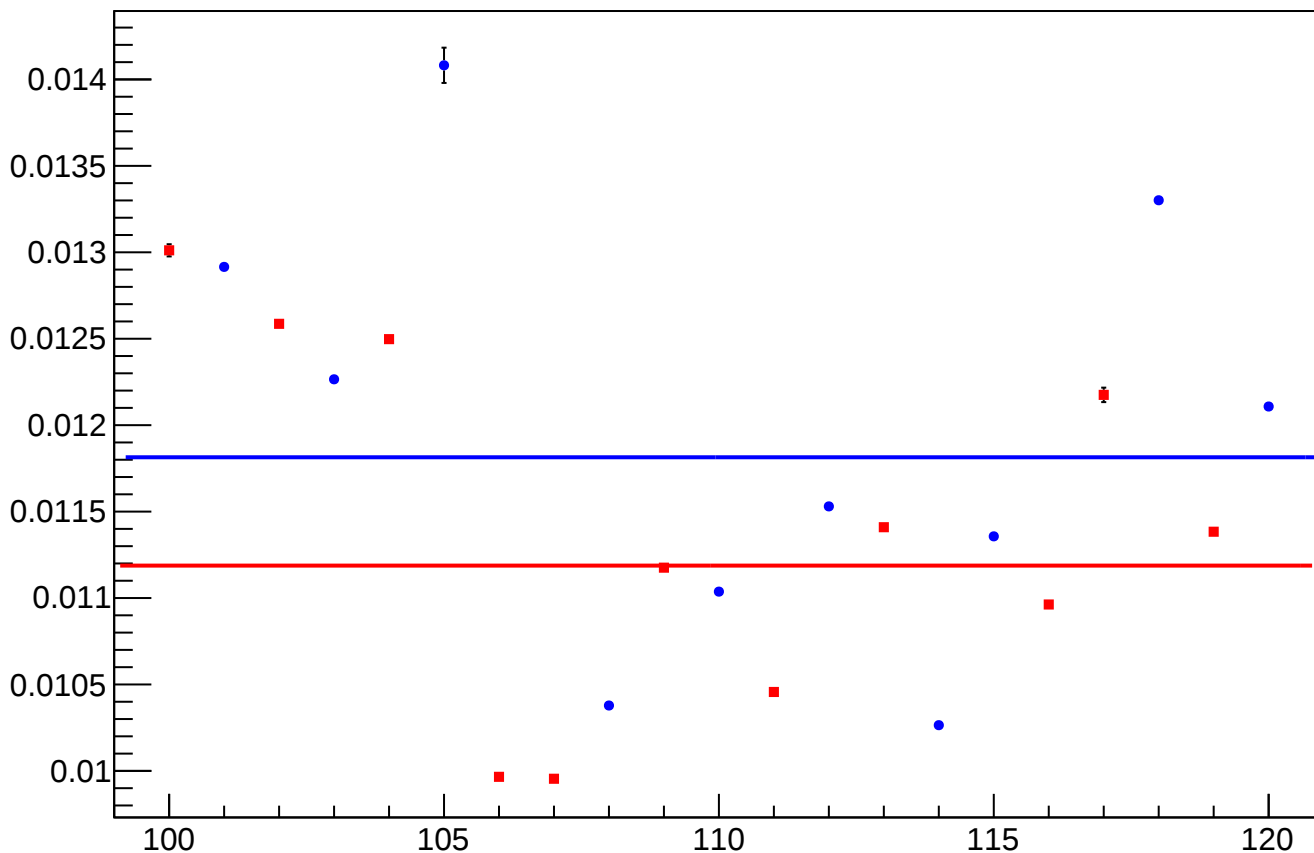
Right Out: -0.461+/-0.000  $\chi^2/\text{NDF}$ : 1629442254.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.387+/-0.000  $\chi^2/\text{NDF}$ : 654968610.0/9

-0.461+/-0.000  $\chi^2/\text{NDF}$ : 1629442254.2/10

# yield\_bpm0l07X\_rms vs slug



Right In: 0.012+/-0.000  $\chi^2/\text{NDF}$ : 46000.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

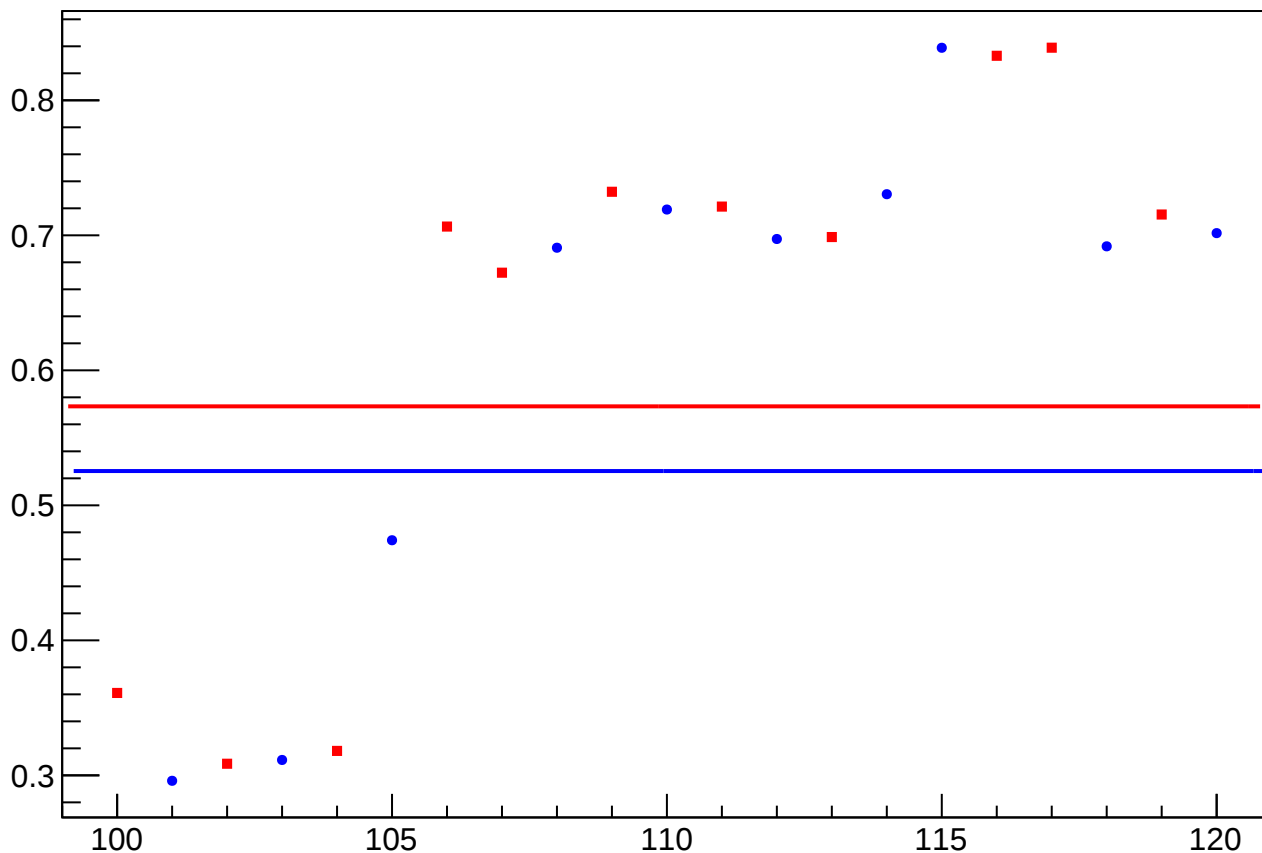
Right Out: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 51360.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.012+/-0.000  $\chi^2/\text{NDF}$ : 46000.2/9

0.011+/-0.000  $\chi^2/\text{NDF}$ : 51360.7/10

yield\_bpm0l07Y\_mean vs slug



Right In: 0.525+/-0.000  $\chi^2/\text{NDF}$ : 17910995729.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

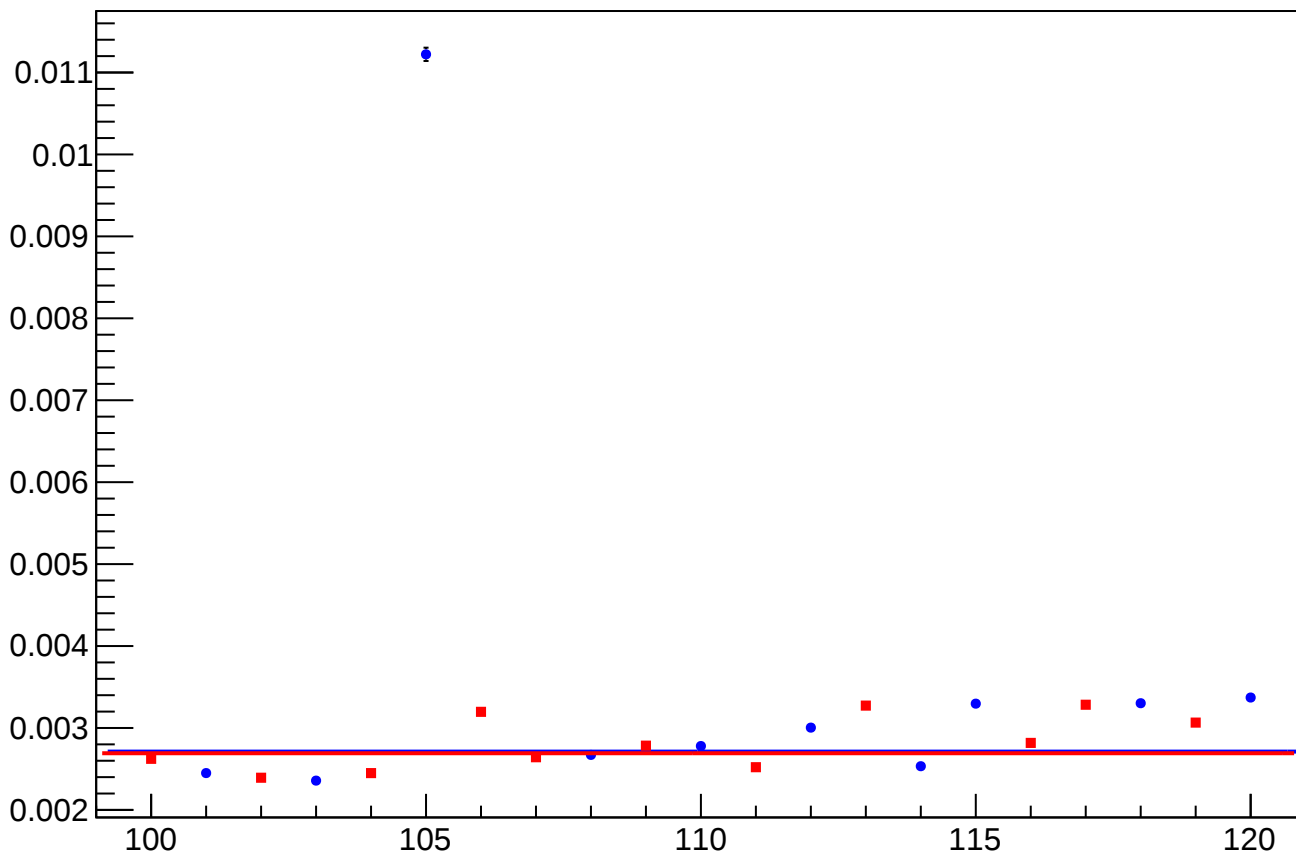
Right Out: 0.573+/-0.000  $\chi^2/\text{NDF}$ : 19875233574.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.525+/-0.000  $\chi^2/\text{NDF}$ : 17910995729.5/9

0.573+/-0.000  $\chi^2/\text{NDF}$ : 19875233574.0/10

# yield\_bpm0l07Y\_rms vs slug



Right In: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 119179.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

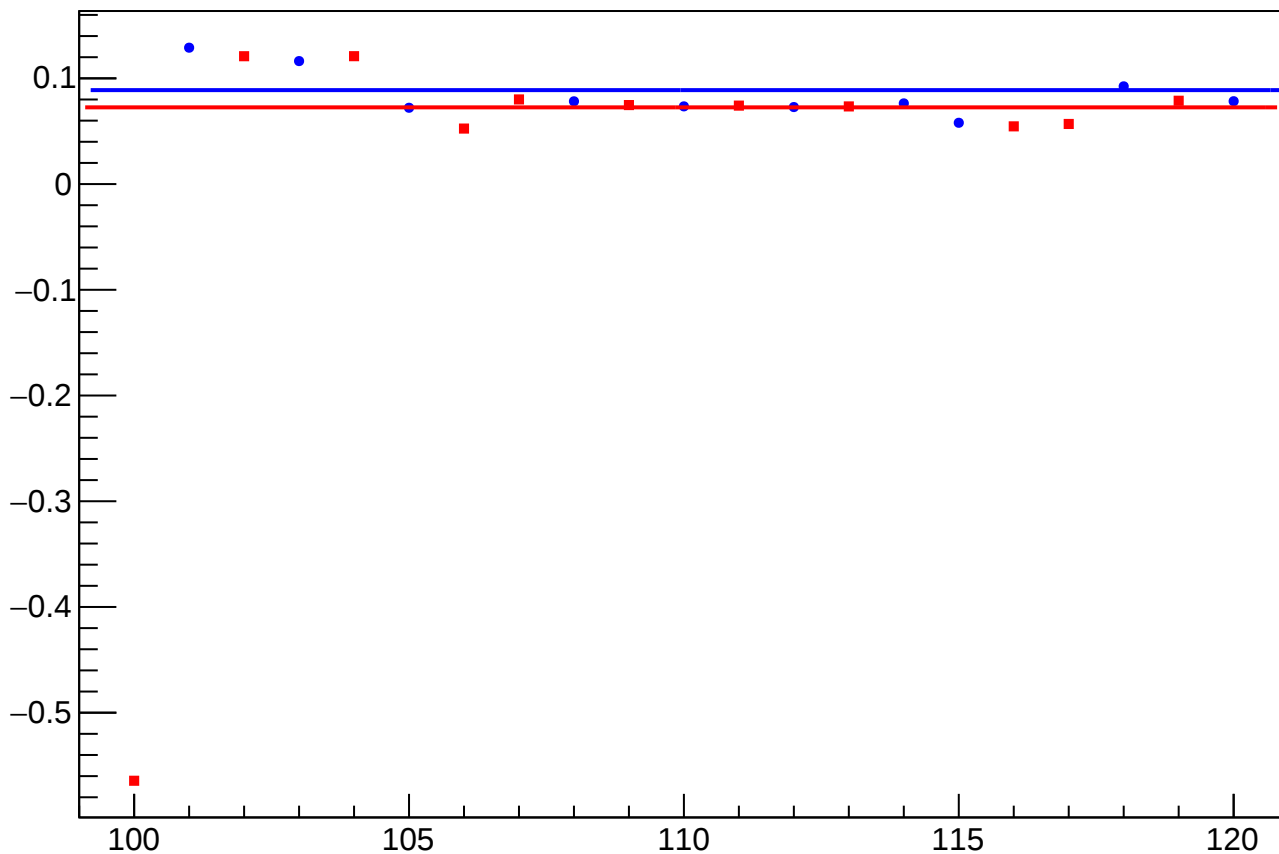
Right Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 84127.3/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.003+/-0.000  $\chi^2/\text{NDF}$ : 119179.9/9

0.003+/-0.000  $\chi^2/\text{NDF}$ : 84127.3/10

# yield\_bpm0l08X\_mean vs slug



Right In: 0.089+/-0.000  $\chi^2/\text{NDF}$ : 14524412.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

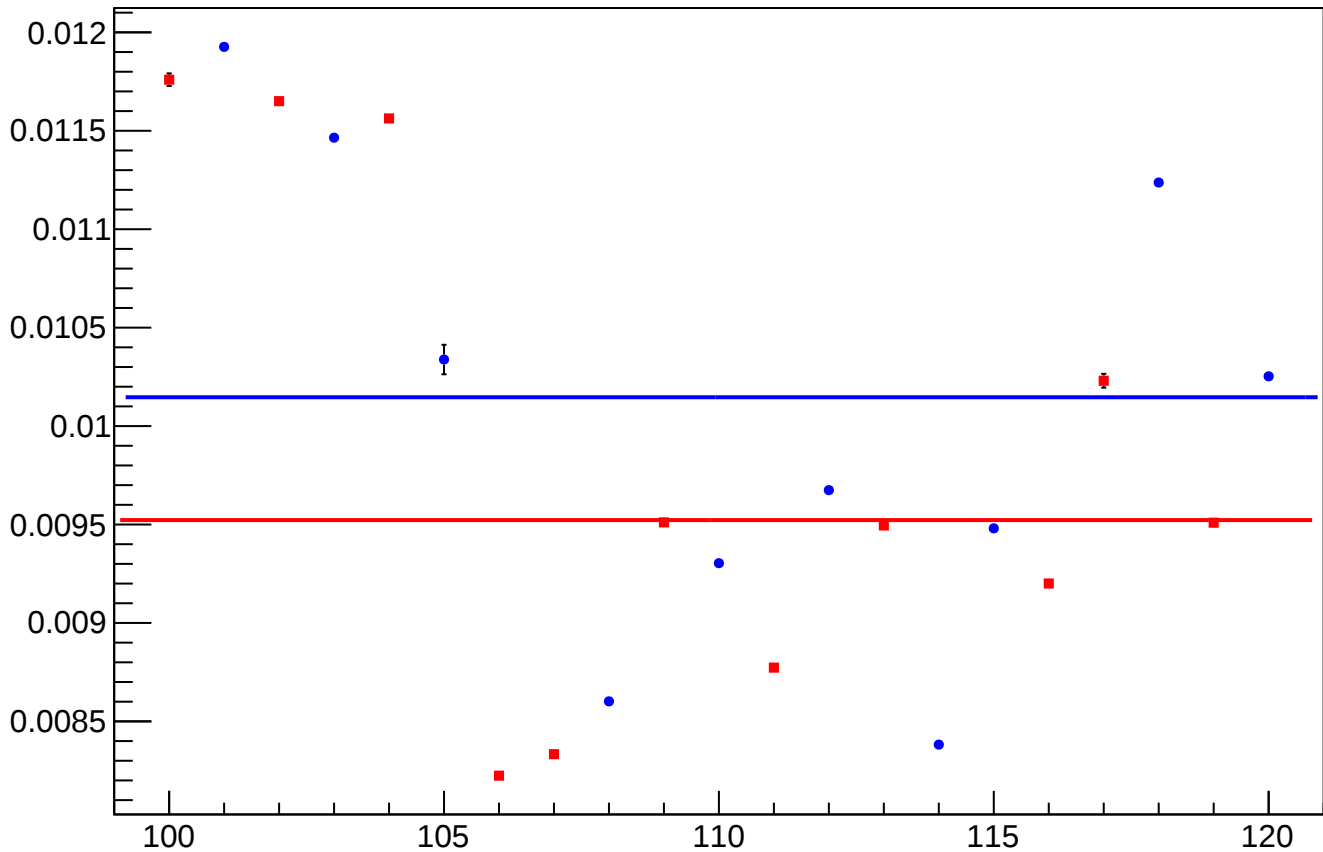
Right Out: 0.073+/-0.000  $\chi^2/\text{NDF}$ : 220779588.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.089+/-0.000  $\chi^2/\text{NDF}$ : 14524412.6/9

0.073+/-0.000  $\chi^2/\text{NDF}$ : 220779588.5/10

# yield\_bpm0l08X\_rms vs slug



Right In: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 91986.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

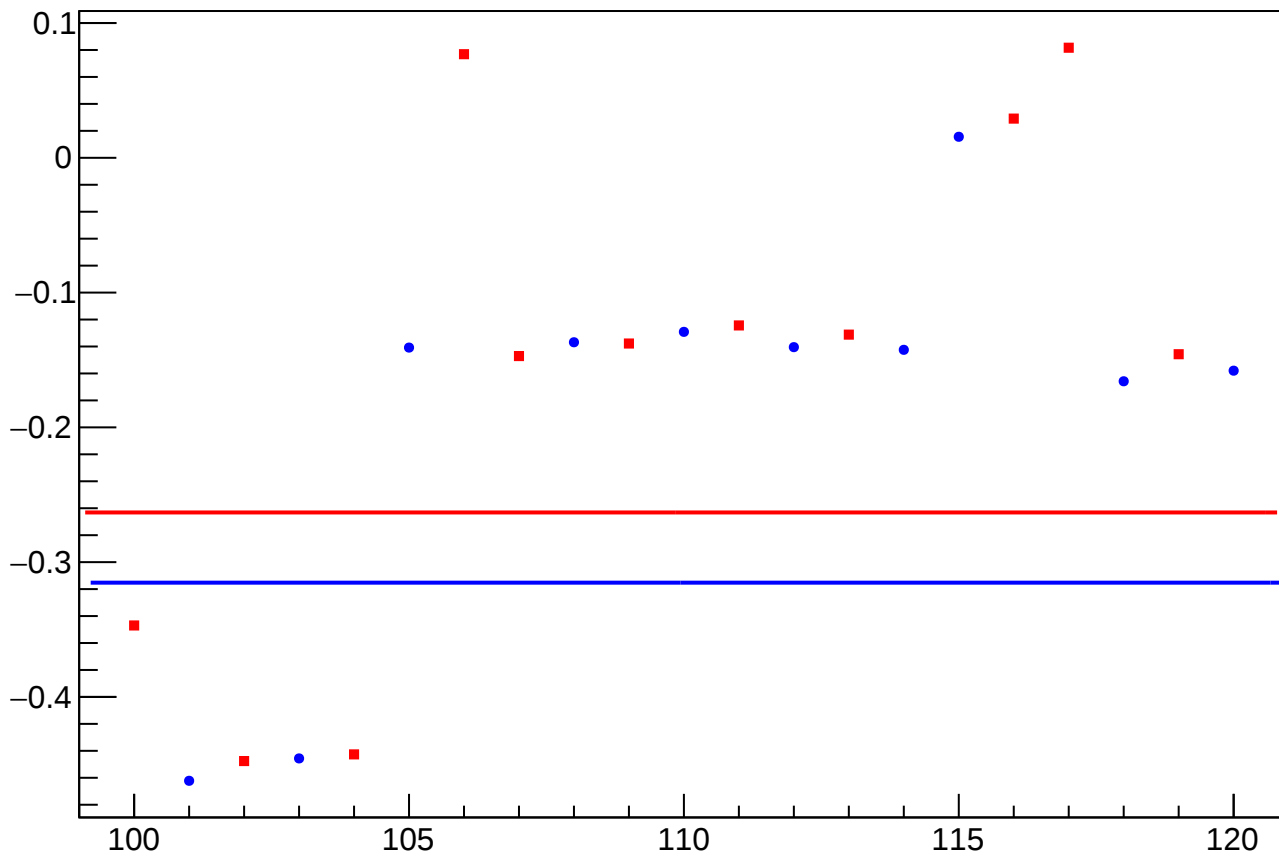
0.010+/-0.000  $\chi^2/\text{NDF}$ : 91986.9/9

Right Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 106301.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.010+/-0.000  $\chi^2/\text{NDF}$ : 106301.6/10

# yield\_bpm0l08Y\_mean vs slug



Right In: -0.315+/-0.000  $\chi^2/\text{NDF}$ : 3959979063.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

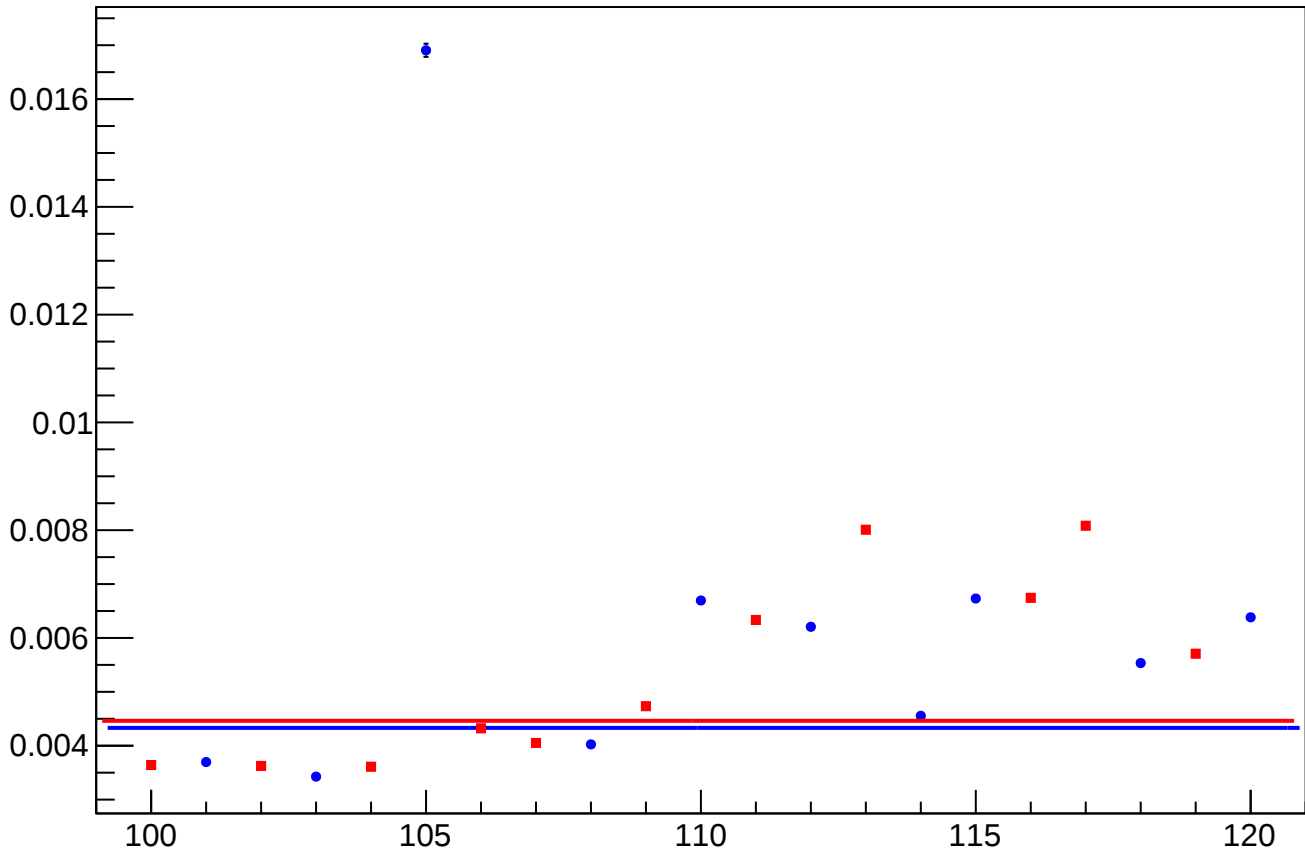
Right Out: -0.263+/-0.000  $\chi^2/\text{NDF}$ : 5412153142.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.315+/-0.000  $\chi^2/\text{NDF}$ : 3959979063.4/9

-0.263+/-0.000  $\chi^2/\text{NDF}$ : 5412153142.8/10

# yield\_bpm0l08Y\_rms vs slug



Right In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 415109.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

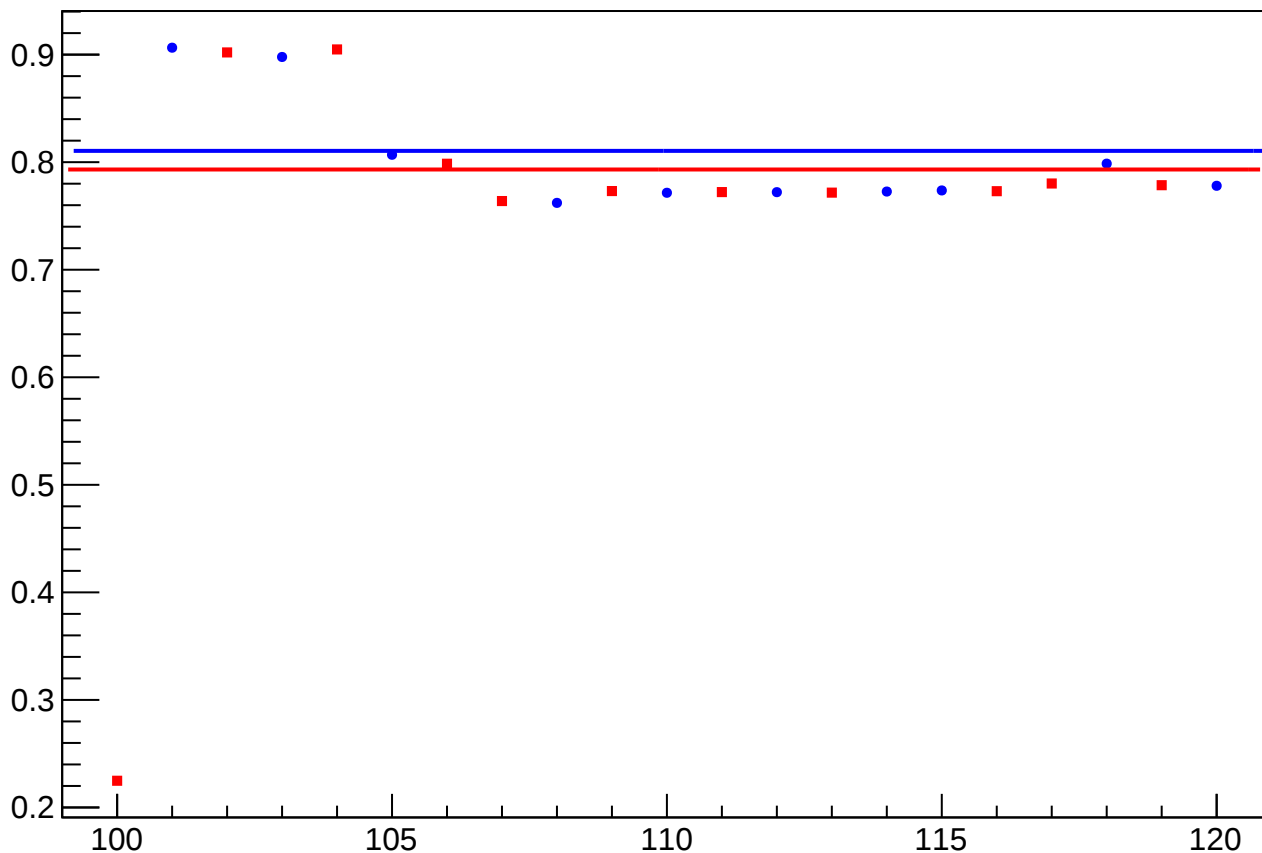
0.004+/-0.000  $\chi^2/\text{NDF}$ : 415109.3/9

Right Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 471959.3/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.004+/-0.000  $\chi^2/\text{NDF}$ : 471959.3/10

# yield\_bpm0l09X\_mean vs slug



Right In: 0.811+/-0.000  $\chi^2/\text{NDF}$ : 86561304.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

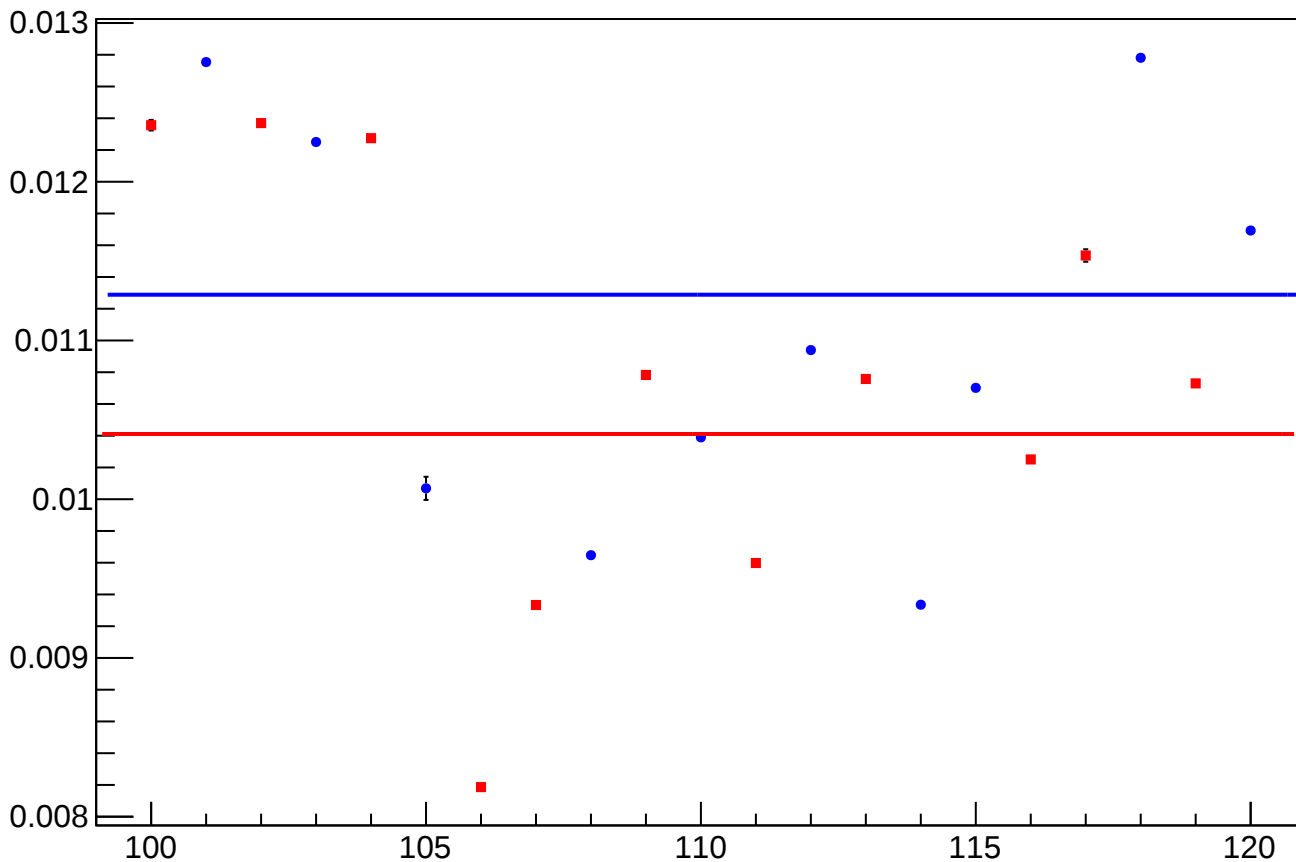
Right Out: 0.793+/-0.000  $\chi^2/\text{NDF}$ : 236050090.9/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.811+/-0.000  $\chi^2/\text{NDF}$ : 86561304.0/9

0.793+/-0.000  $\chi^2/\text{NDF}$ : 236050090.9/10

# yield\_bpm0l09X\_rms vs slug



Right In: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 73718.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

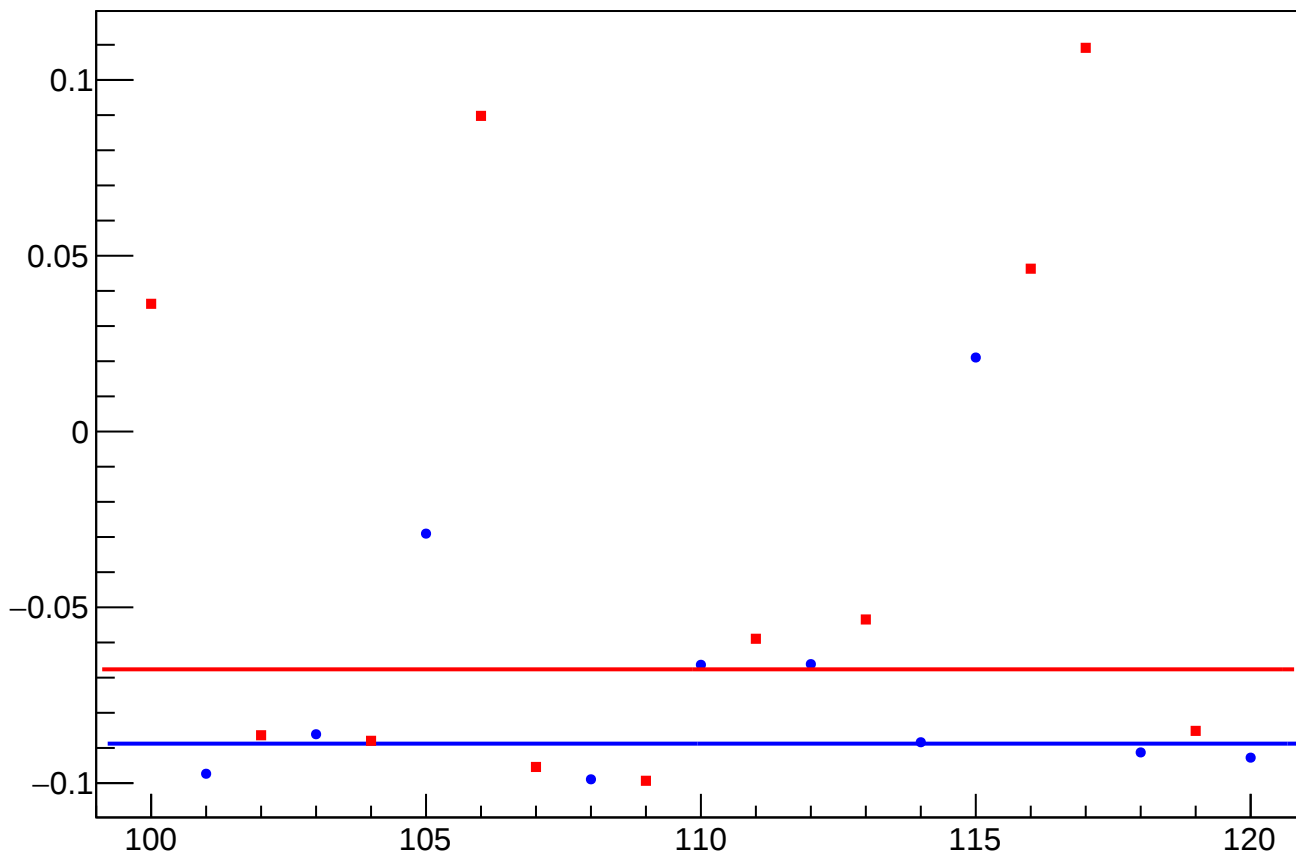
Right Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 114575.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.011+/-0.000  $\chi^2/\text{NDF}$ : 73718.0/9

0.010+/-0.000  $\chi^2/\text{NDF}$ : 114575.2/10

# yield\_bpm0l09Y\_mean vs slug



Right In: -0.089+/-0.000  $\chi^2/\text{NDF}$ : 35191316.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

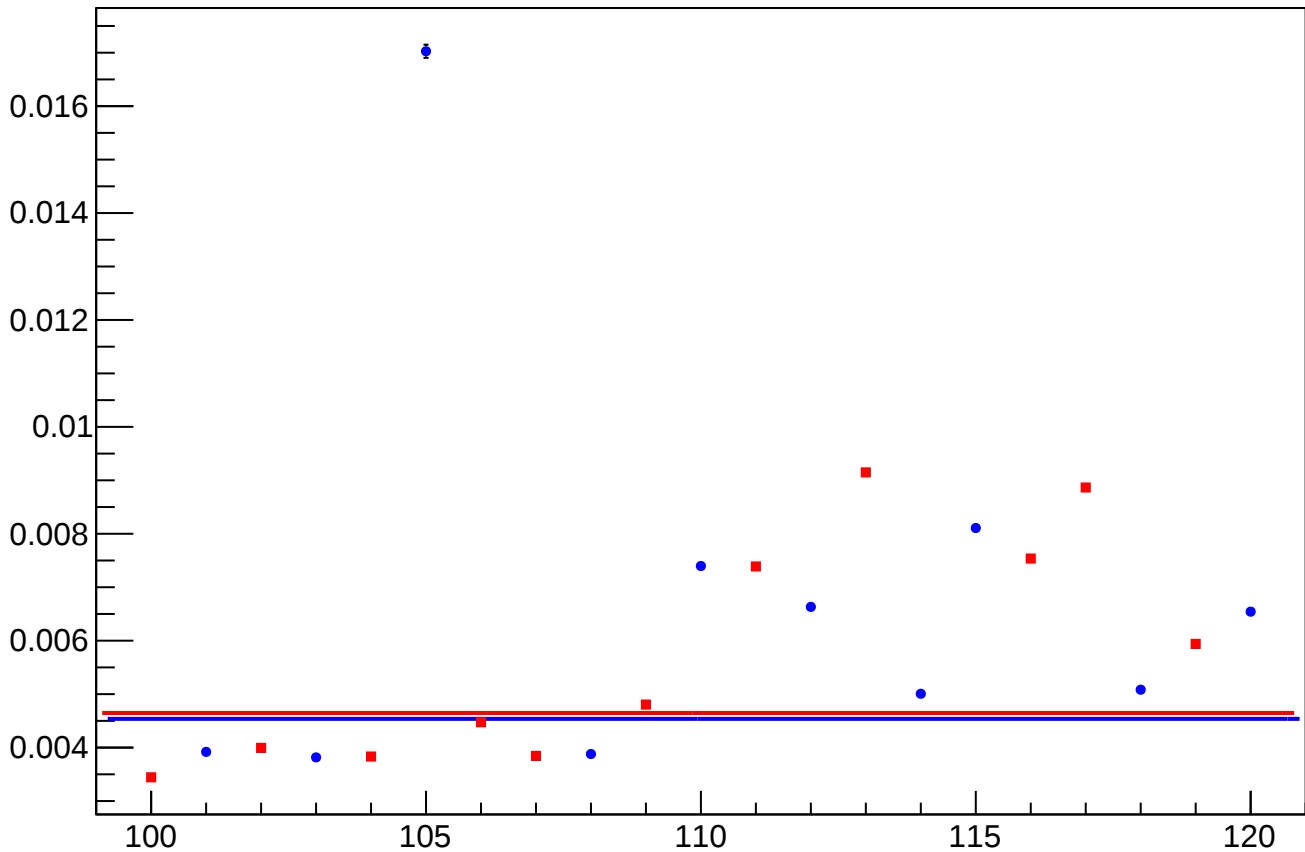
-0.089+/-0.000  $\chi^2/\text{NDF}$ : 35191316.7/9

Right Out: -0.068+/-0.000  $\chi^2/\text{NDF}$ : 436991158.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.068+/-0.000  $\chi^2/\text{NDF}$ : 436991158.5/10

# yield\_bpm0l09Y\_rms vs slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 381375.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

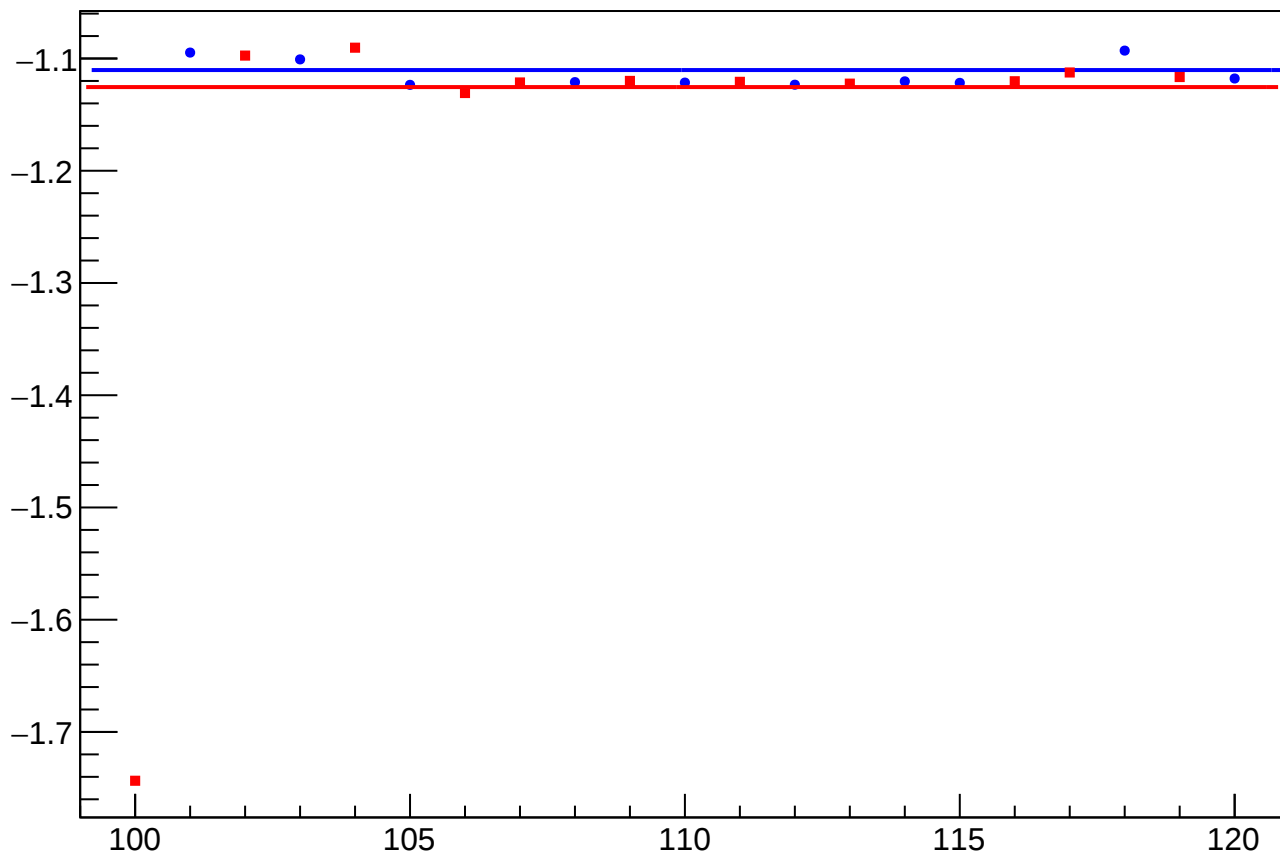
0.005+/-0.000  $\chi^2/\text{NDF}$ : 381375.4/9

Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 548587.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 548587.0/10

# yield\_bpm0l10X\_mean vs slug



Right In: -1.110+/-0.000  $\chi^2/\text{NDF}$ : 3597773.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

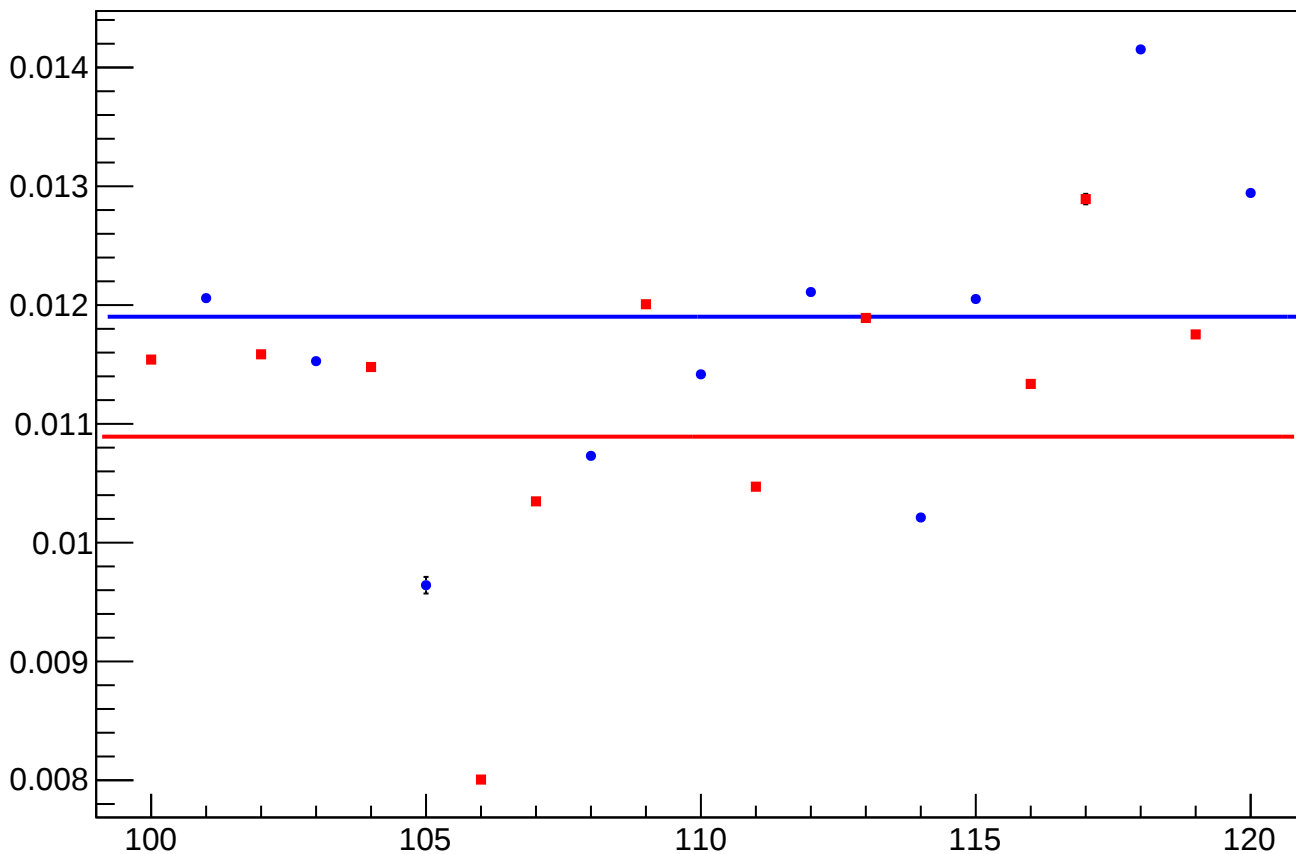
Right Out: -1.125+/-0.000  $\chi^2/\text{NDF}$ : 204880930.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.110+/-0.000  $\chi^2/\text{NDF}$ : 3597773.0/9

-1.125+/-0.000  $\chi^2/\text{NDF}$ : 204880930.7/10

# yield\_bpm0l10X\_rms vs slug



Right In: 0.012+/-0.000  $\chi^2/\text{NDF}$ : 46402.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

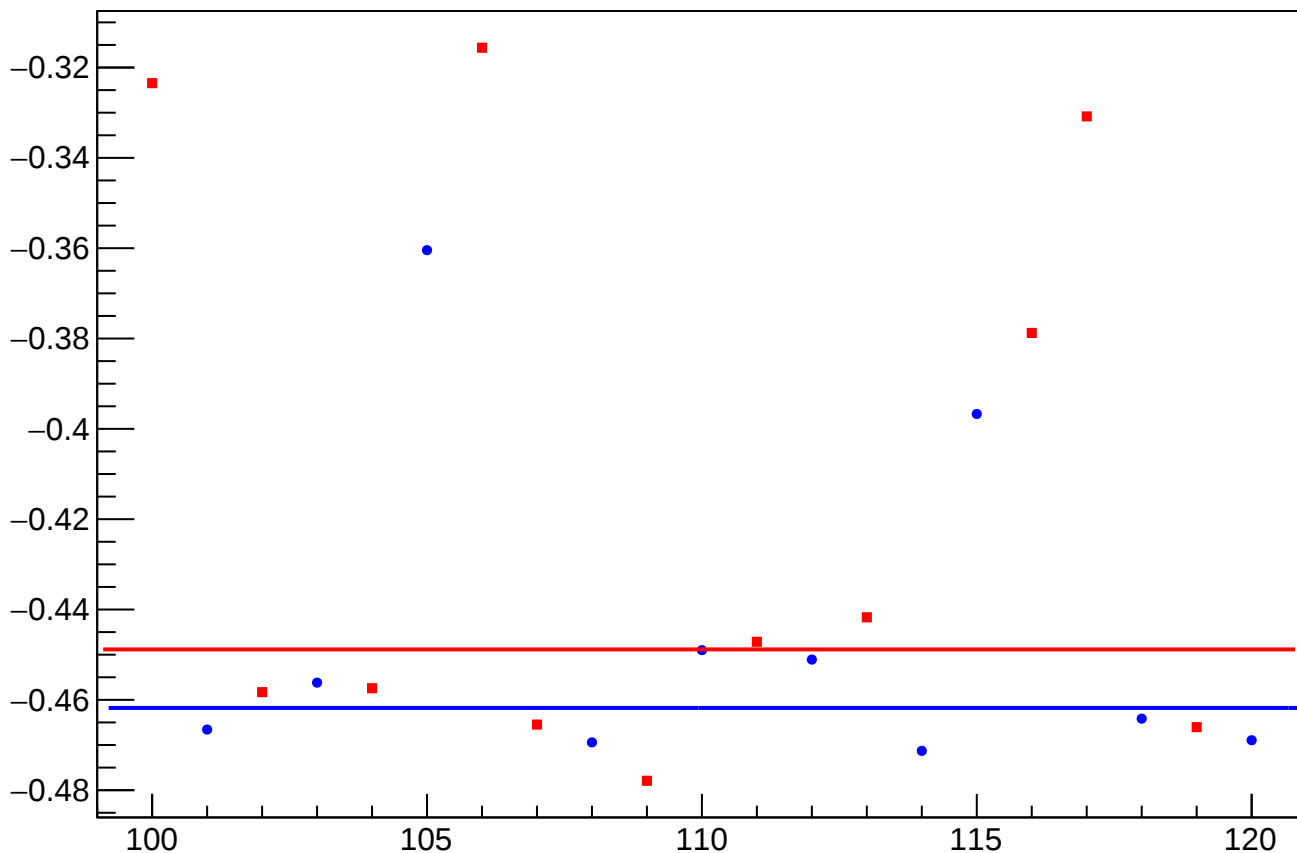
Right Out: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 109272.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.012+/-0.000  $\chi^2/\text{NDF}$ : 46402.4/9

0.011+/-0.000  $\chi^2/\text{NDF}$ : 109272.6/10

# yield\_bpm0l10Y\_mean vs slug



Right In: -0.462+/-0.000  $\chi^2/\text{NDF}$ : 21694309.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

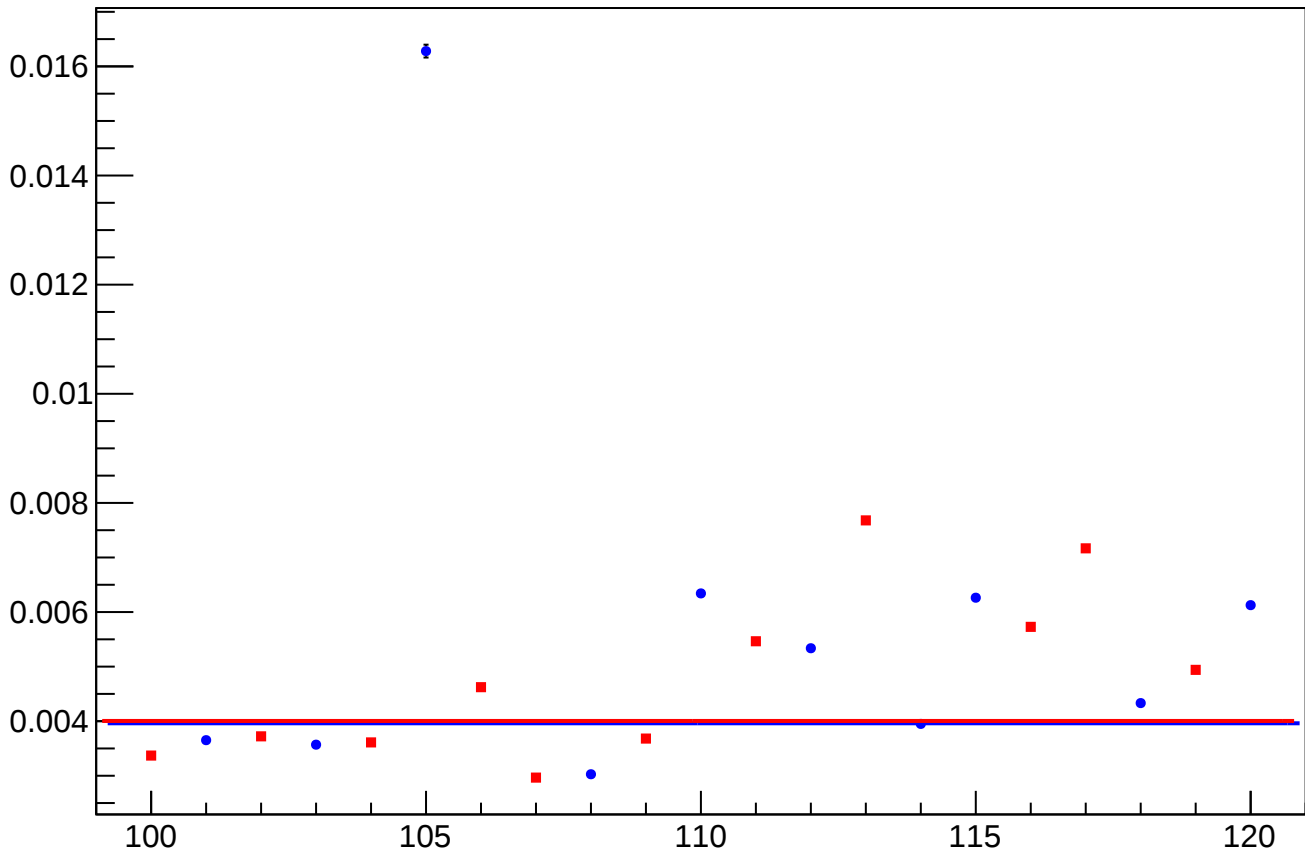
Right Out: -0.449+/-0.000  $\chi^2/\text{NDF}$ : 356577121.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.462+/-0.000  $\chi^2/\text{NDF}$ : 21694309.7/9

-0.449+/-0.000  $\chi^2/\text{NDF}$ : 356577121.0/10

# yield\_bpm0l10Y\_rms vs slug



Right In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 350525.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

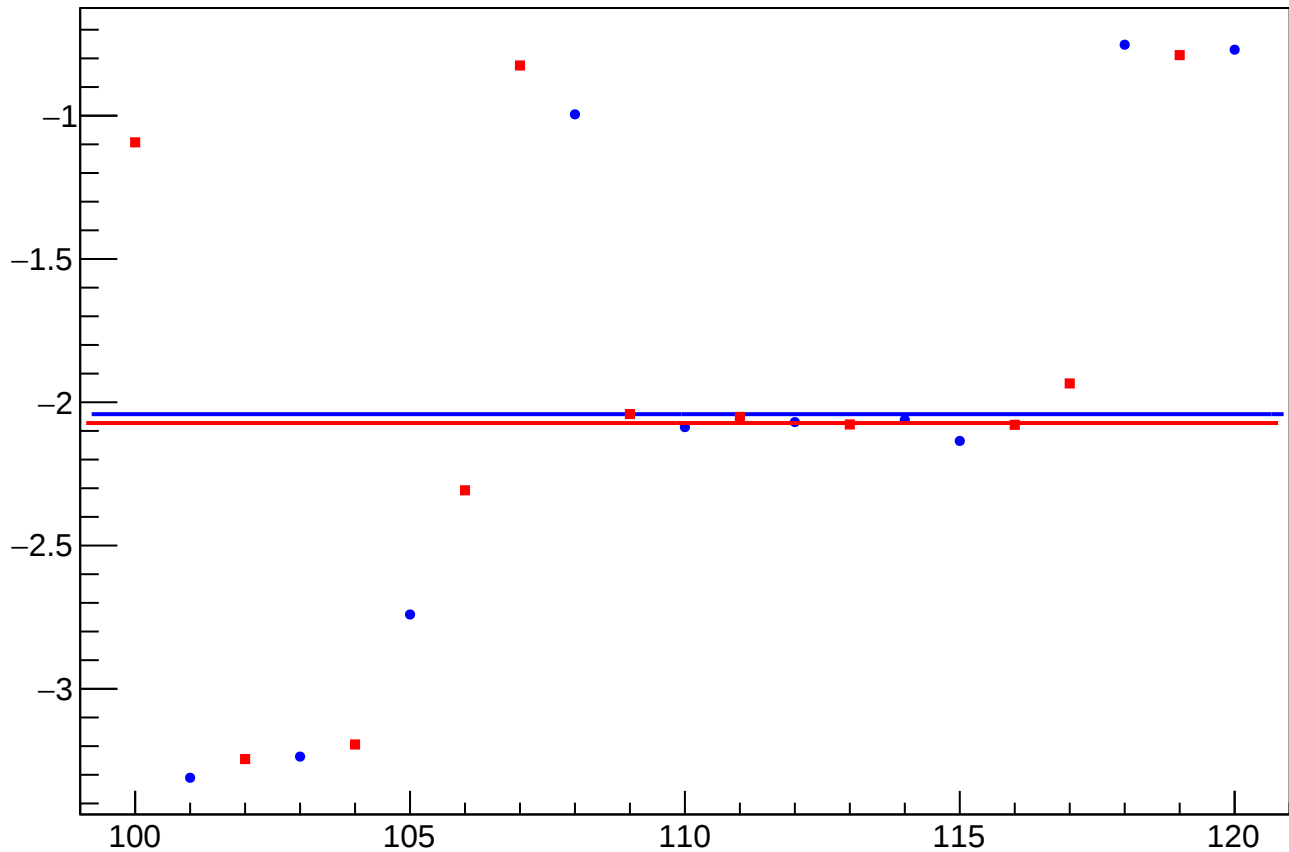
Right Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 449076.1/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.004+/-0.000  $\chi^2/\text{NDF}$ : 350525.3/9

0.004+/-0.000  $\chi^2/\text{NDF}$ : 449076.1/10

# yield\_bpm0r03X\_mean vs slug



Right In: -2.042+/-0.000  $\chi^2/\text{NDF}$ : 684747542.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

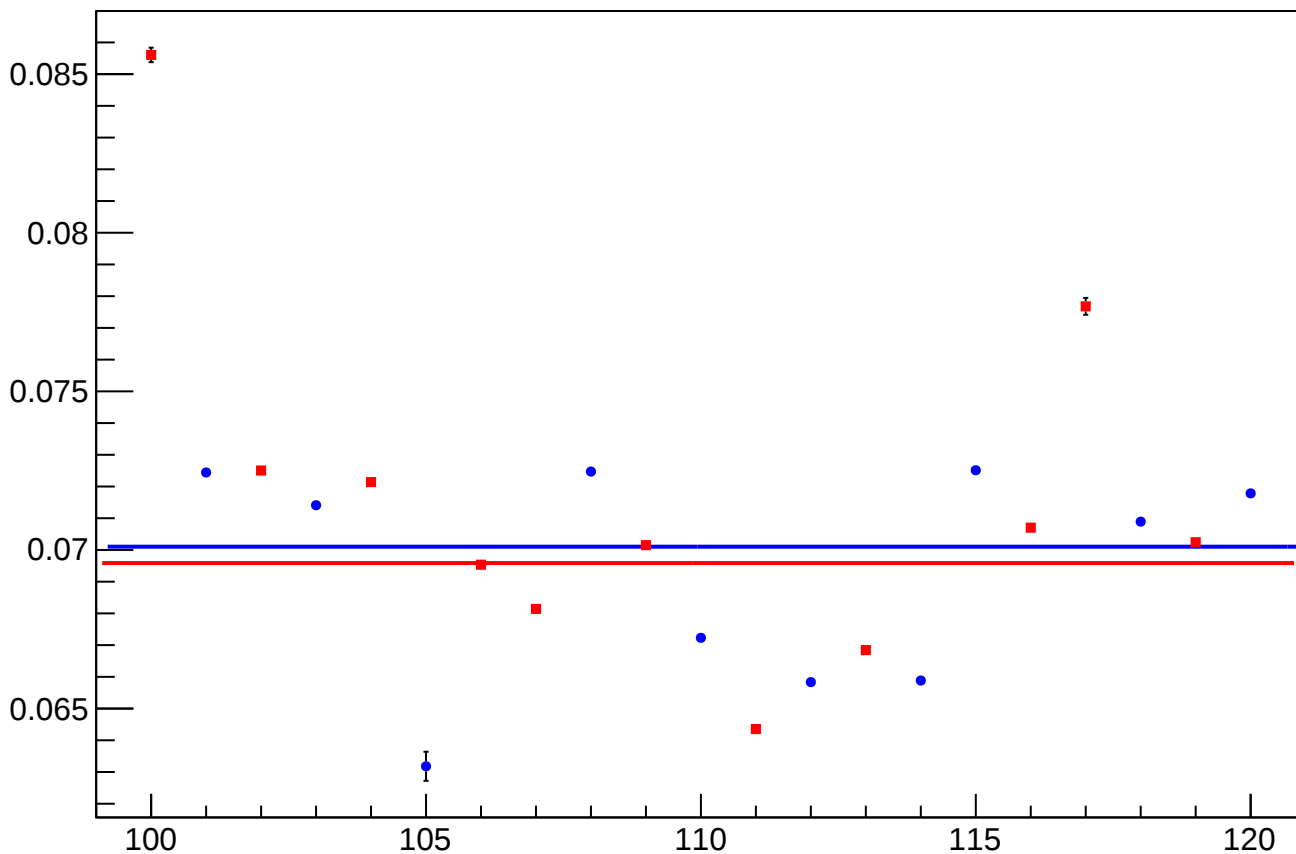
Right Out: -2.072+/-0.000  $\chi^2/\text{NDF}$ : 554135948.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.042+/-0.000  $\chi^2/\text{NDF}$ : 684747542.6/9

-2.072+/-0.000  $\chi^2/\text{NDF}$ : 554135948.7/10

# yield\_bpm0r03X\_rms vs slug



Right In: 0.070+/-0.000  $\chi^2/\text{NDF}$ : 9662.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

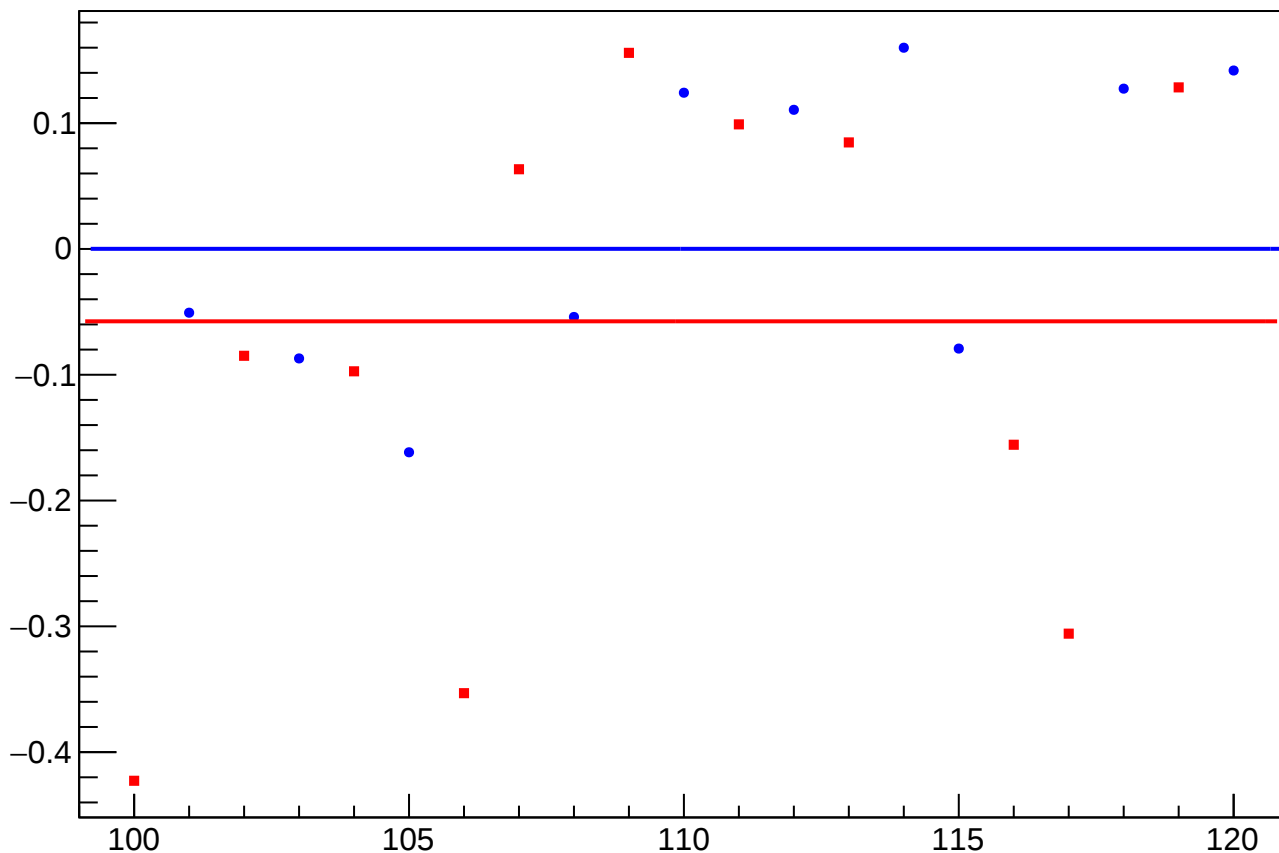
Right Out: 0.070+/-0.000  $\chi^2/\text{NDF}$ : 16550.9/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.070+/-0.000  $\chi^2/\text{NDF}$ : 9662.4/9

0.070+/-0.000  $\chi^2/\text{NDF}$ : 16550.9/10

# yield\_bpm0r03Y\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 228176637.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

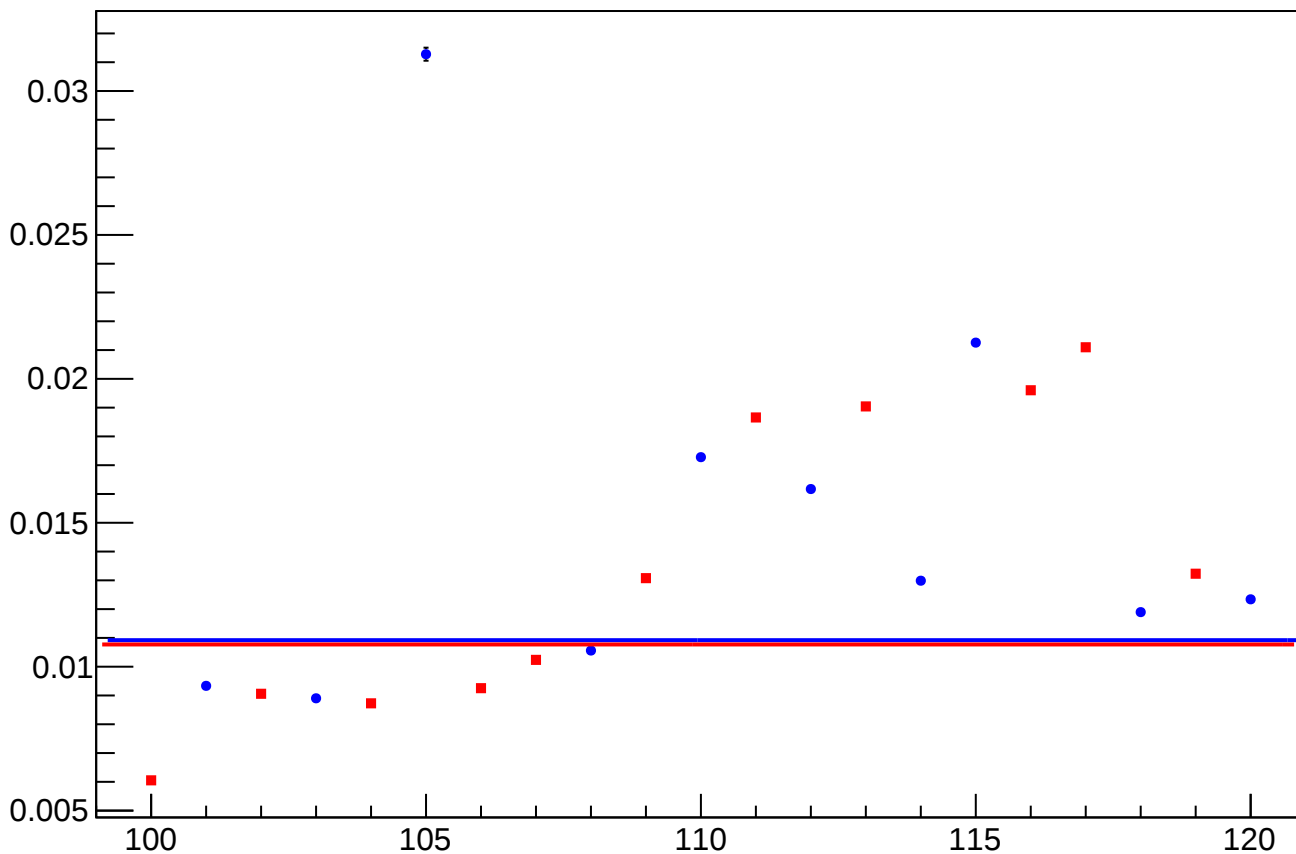
Right Out: -0.058+/-0.000  $\chi^2/\text{NDF}$ : 802400846.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 228176637.5/9

-0.058+/-0.000  $\chi^2/\text{NDF}$ : 802400846.7/10

# yield\_bpm0r03Y\_rms vs slug



Right In: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 345581.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

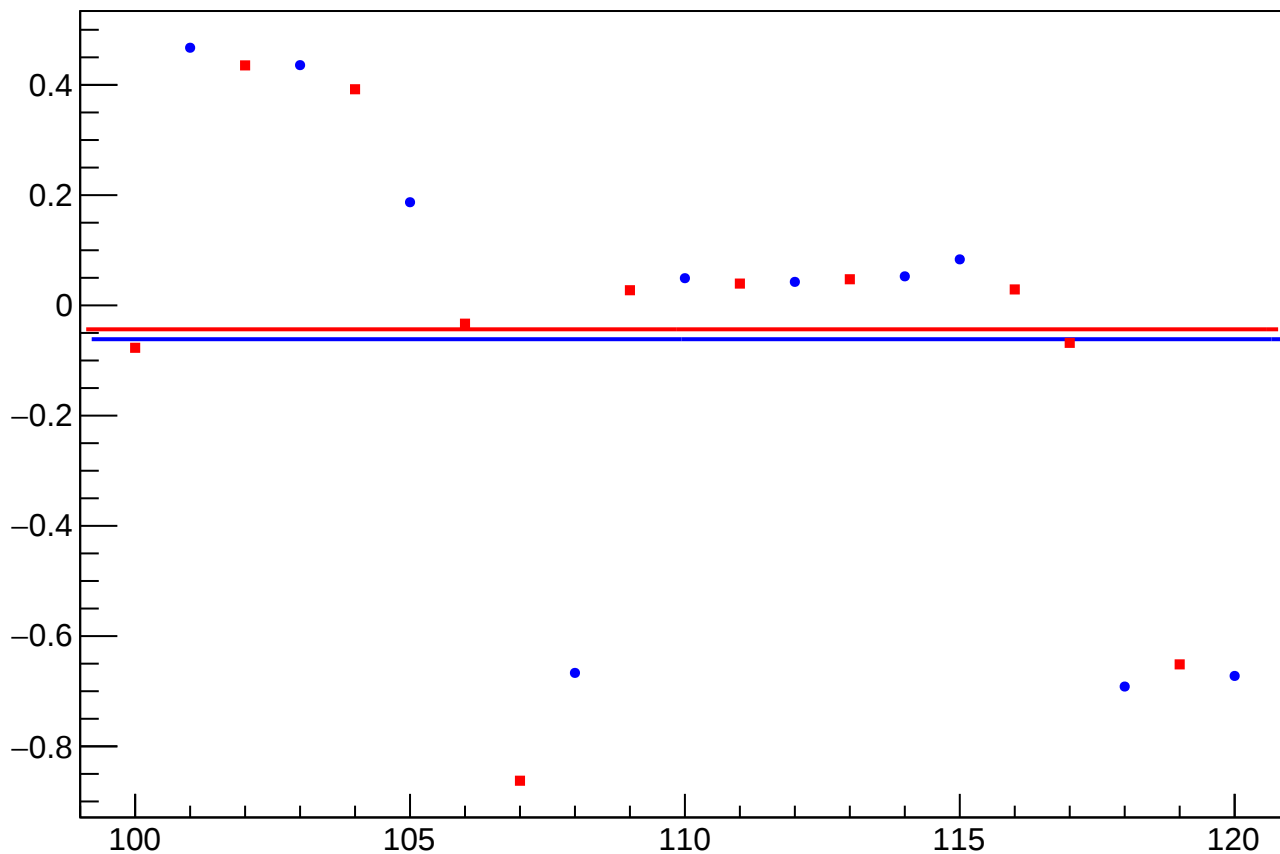
Right Out: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 656012.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.011+/-0.000  $\chi^2/\text{NDF}$ : 345581.6/9

0.011+/-0.000  $\chi^2/\text{NDF}$ : 656012.7/10

yield\_bpm0r05X\_mean vs slug



Right In: -0.061+/-0.000  $\chi^2/\text{NDF}$ : 98008006.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

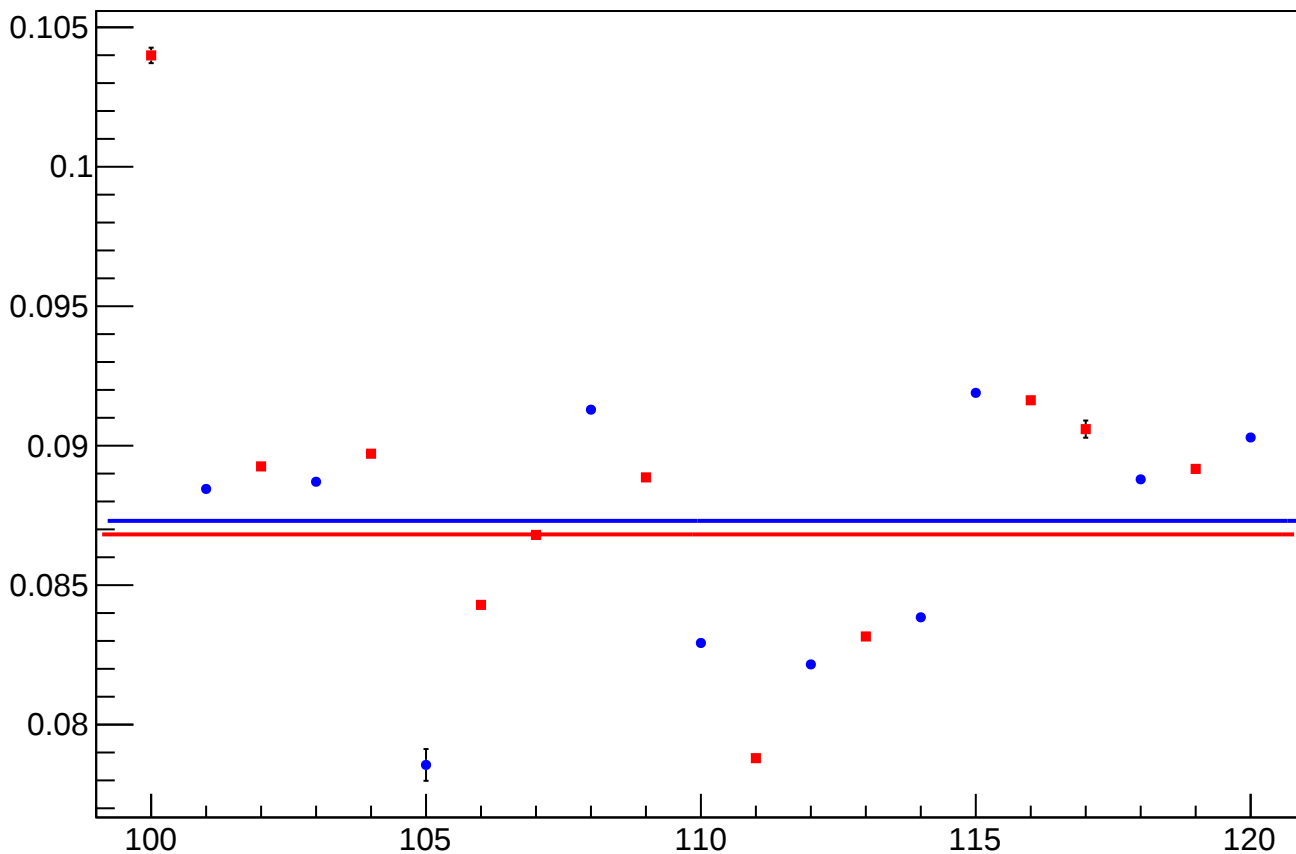
Right Out: -0.043+/-0.000  $\chi^2/\text{NDF}$ : 83892974.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.061+/-0.000  $\chi^2/\text{NDF}$ : 98008006.2/9

-0.043+/-0.000  $\chi^2/\text{NDF}$ : 83892974.7/10

# yield\_bpm0r05X\_rms vs slug



Right In: 0.087+/-0.000  $\chi^2/\text{NDF}$ : 9970.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

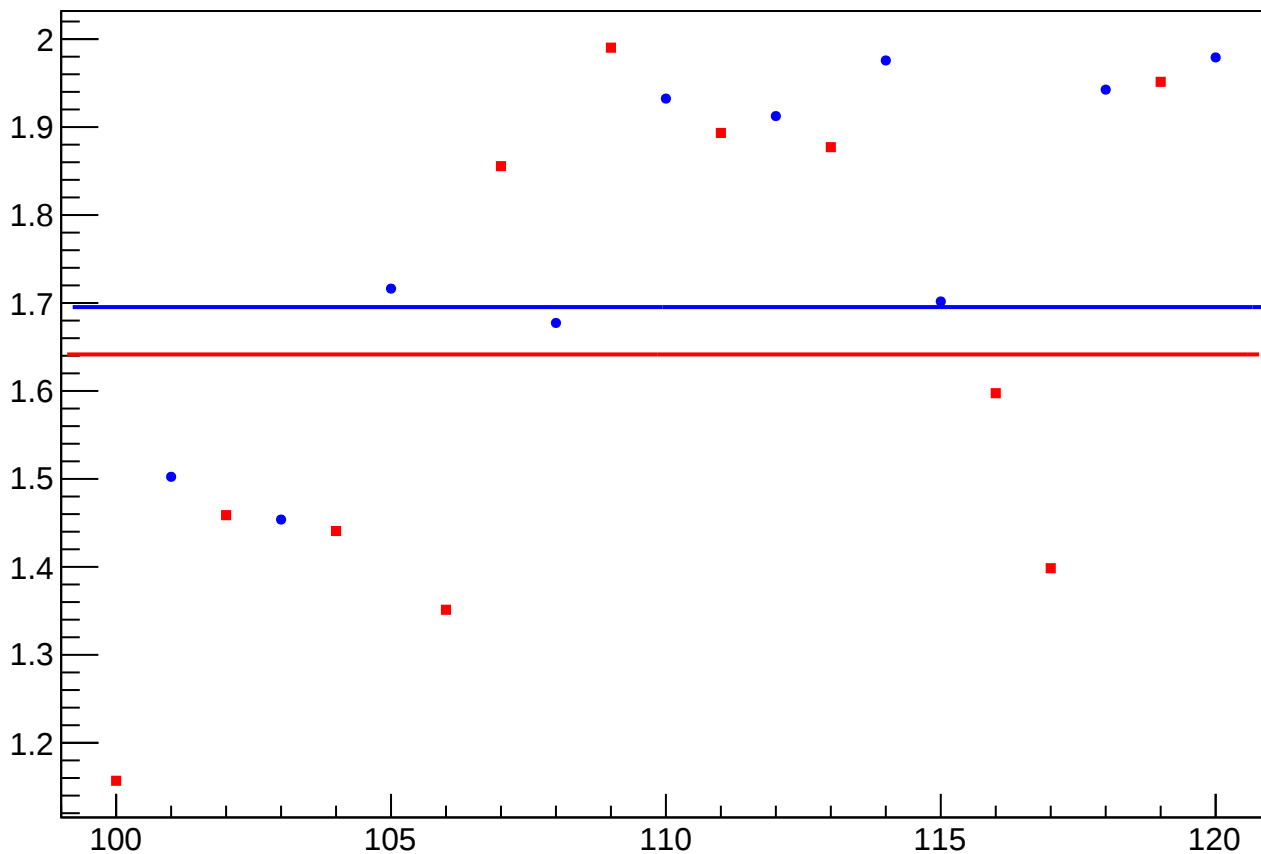
Right Out: 0.087+/-0.000  $\chi^2/\text{NDF}$ : 19647.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.087+/-0.000  $\chi^2/\text{NDF}$ : 9970.2/9

0.087+/-0.000  $\chi^2/\text{NDF}$ : 19647.5/10

yield\_bpm0r05Y\_mean vs slug



Right In: 1.695+/-0.000  $\chi^2/\text{NDF}$ : 672697890.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

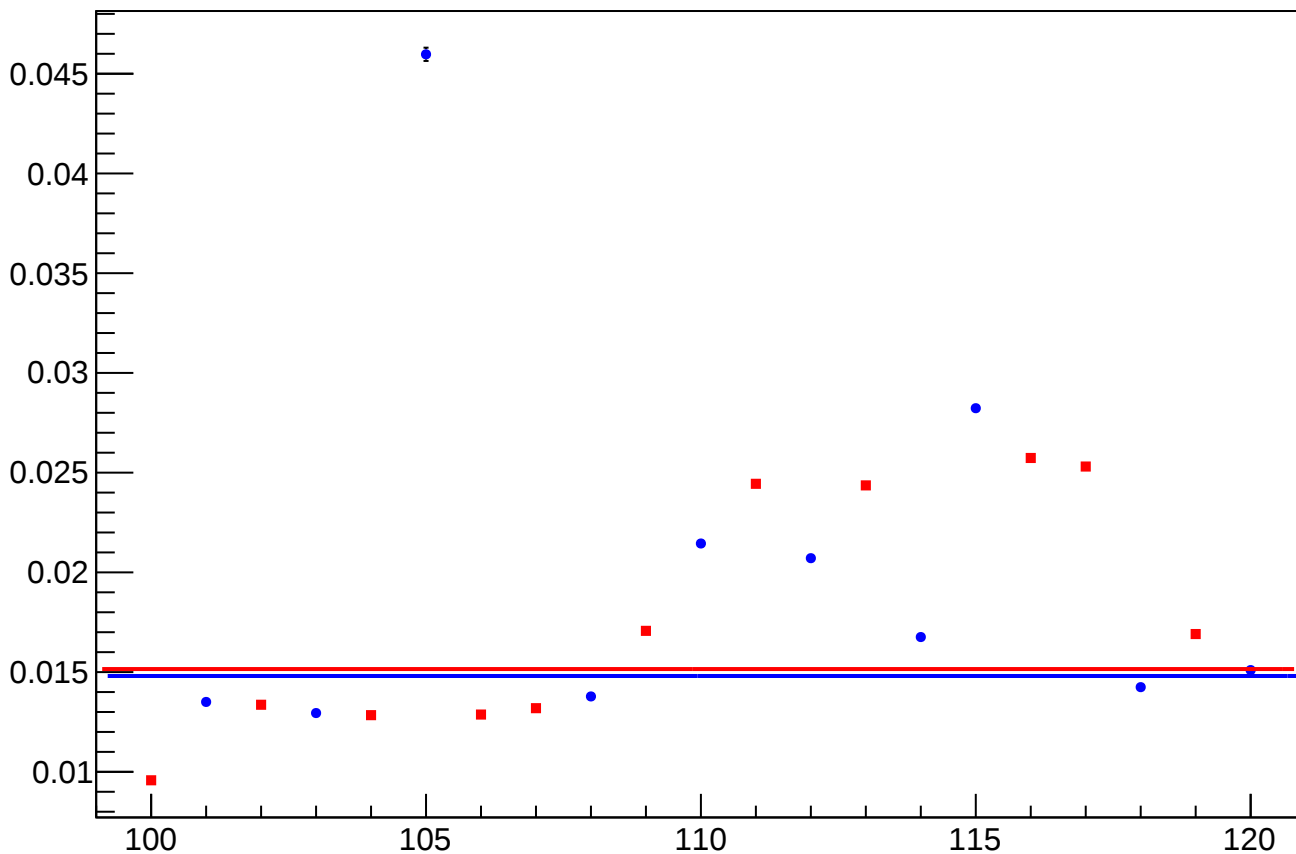
1.695+/-0.000  $\chi^2/\text{NDF}$ : 672697890.6/9

Right Out: 1.642+/-0.000  $\chi^2/\text{NDF}$ : 1030778680.7/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.642+/-0.000  $\chi^2/\text{NDF}$ : 1030778680.7/10

# yield\_bpm0r05Y\_rms vs slug



Right In: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 229972.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

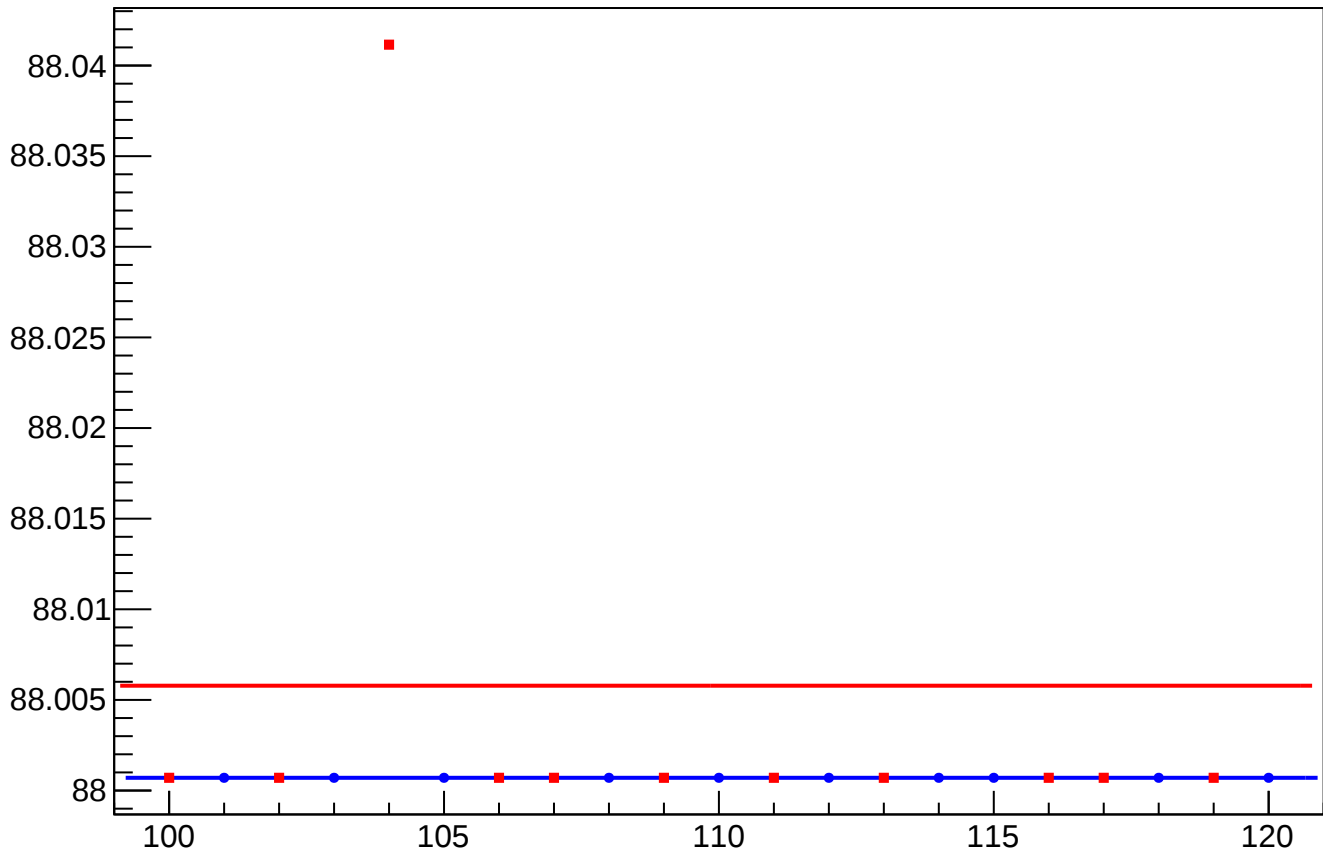
0.015+/-0.000  $\chi^2/\text{NDF}$ : 229972.9/9

Right Out: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 464502.4/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.015+/-0.000  $\chi^2/\text{NDF}$ : 464502.4/10

# epics\_VWienAngles\_mean vs slug



Right In: 88.001+/-0.000  $\chi^2/\text{NDF}$ : 948349.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

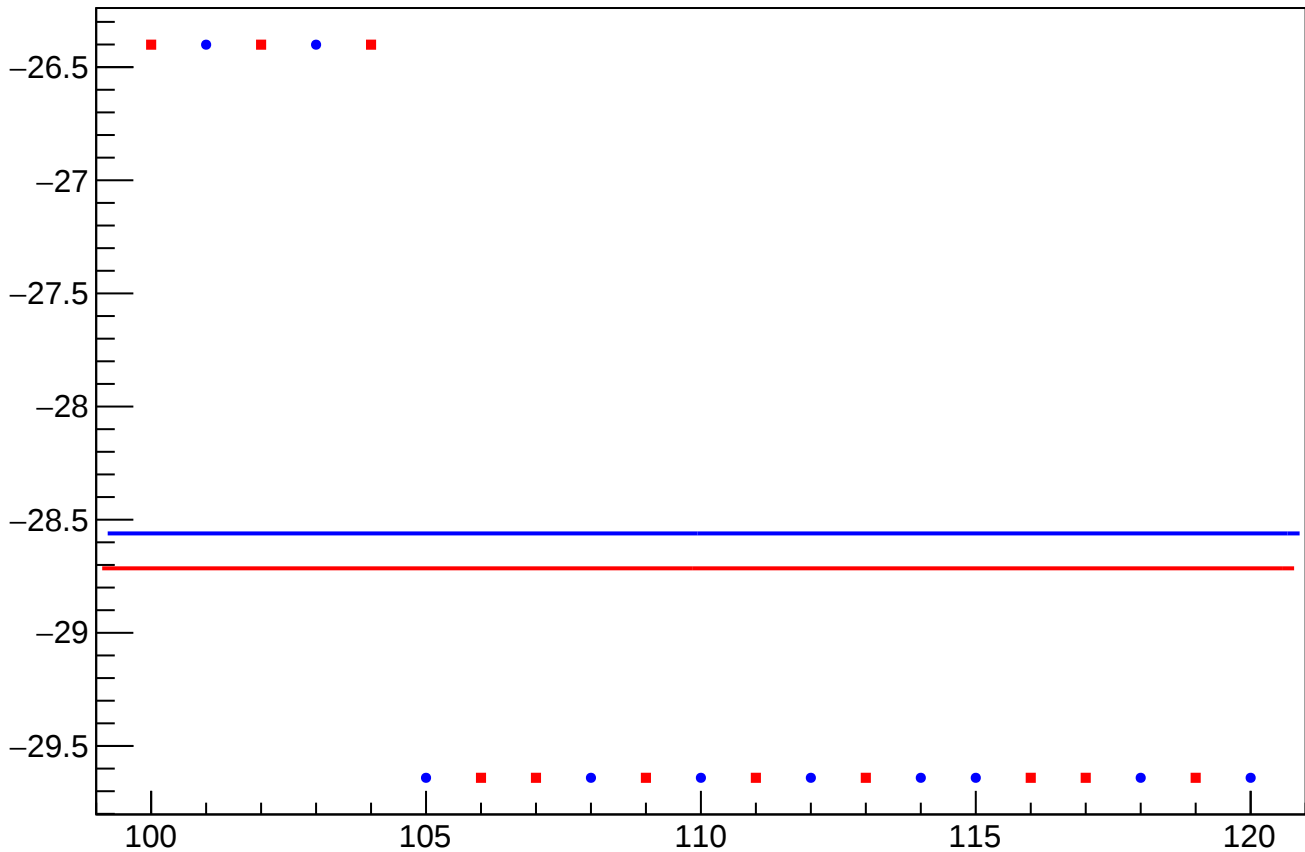
88.001+/-0.000  $\chi^2/\text{NDF}$ : 948349.6/9

Right Out: 88.006+/-0.000  $\chi^2/\text{NDF}$ : 72958483398503644482301329408.0/10

88.006+/-0.000  $\chi^2/\text{NDF}$ : 729584833985036444

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# epics\_HWienAngles\_mean vs slug



Right In: -28.561+/-0.000  $\chi^2/\text{NDF}$ : 825811200000014706202762941562880.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

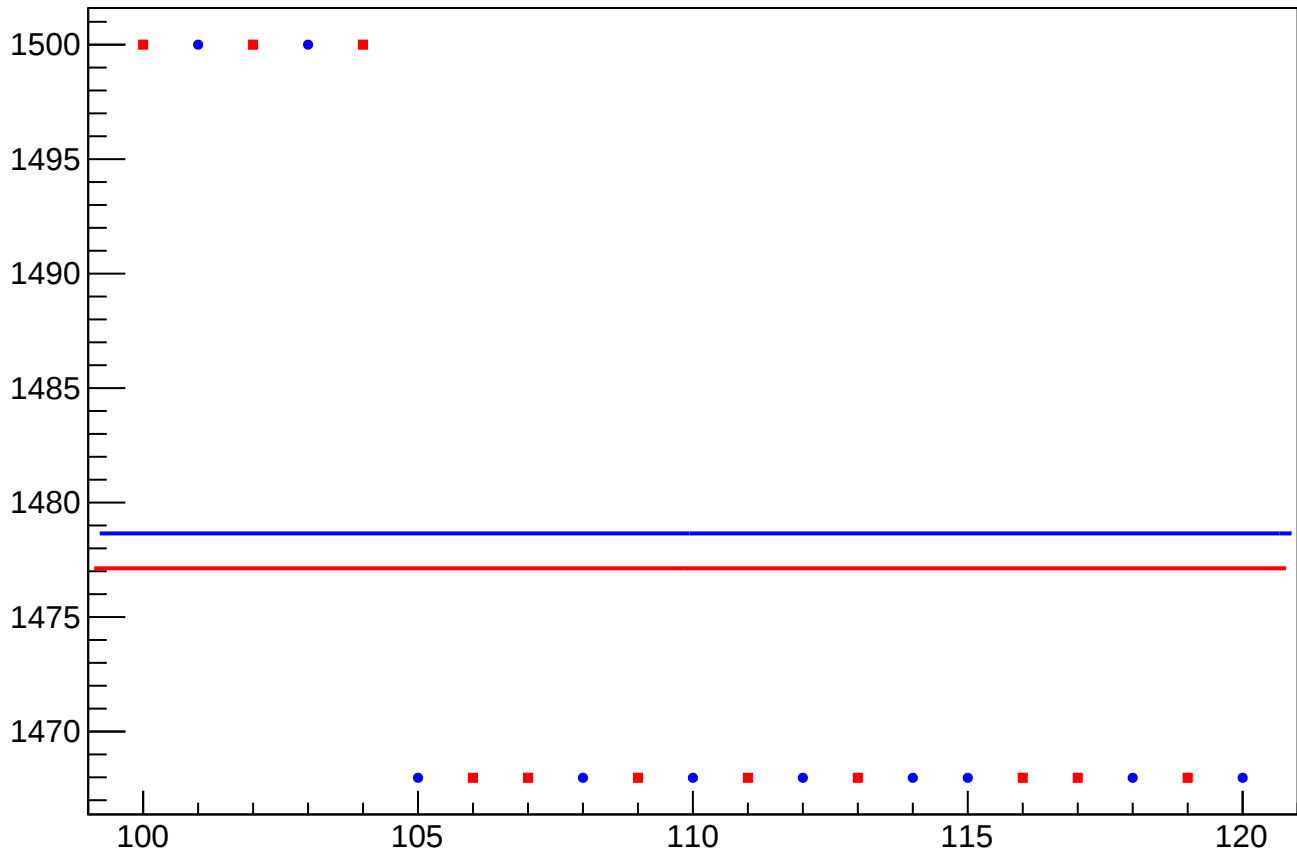
-28.561+/-0.000  $\chi^2/\text{NDF}$ : 825811200000014706202762941562880.0/9

Right Out: -28.715+/-0.000  $\chi^2/\text{NDF}$ : 869801142857147202051634655920128.0/10

-28.715+/-0.000  $\chi^2/\text{NDF}$ : 869801142857147202051634655920128.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# epics\_psub\_pl\_poss\_mean vs slug



Right In: 1478.653+/-0.000  $\chi^2/\text{NDF}$ : 80662476047223903016727068798877696.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

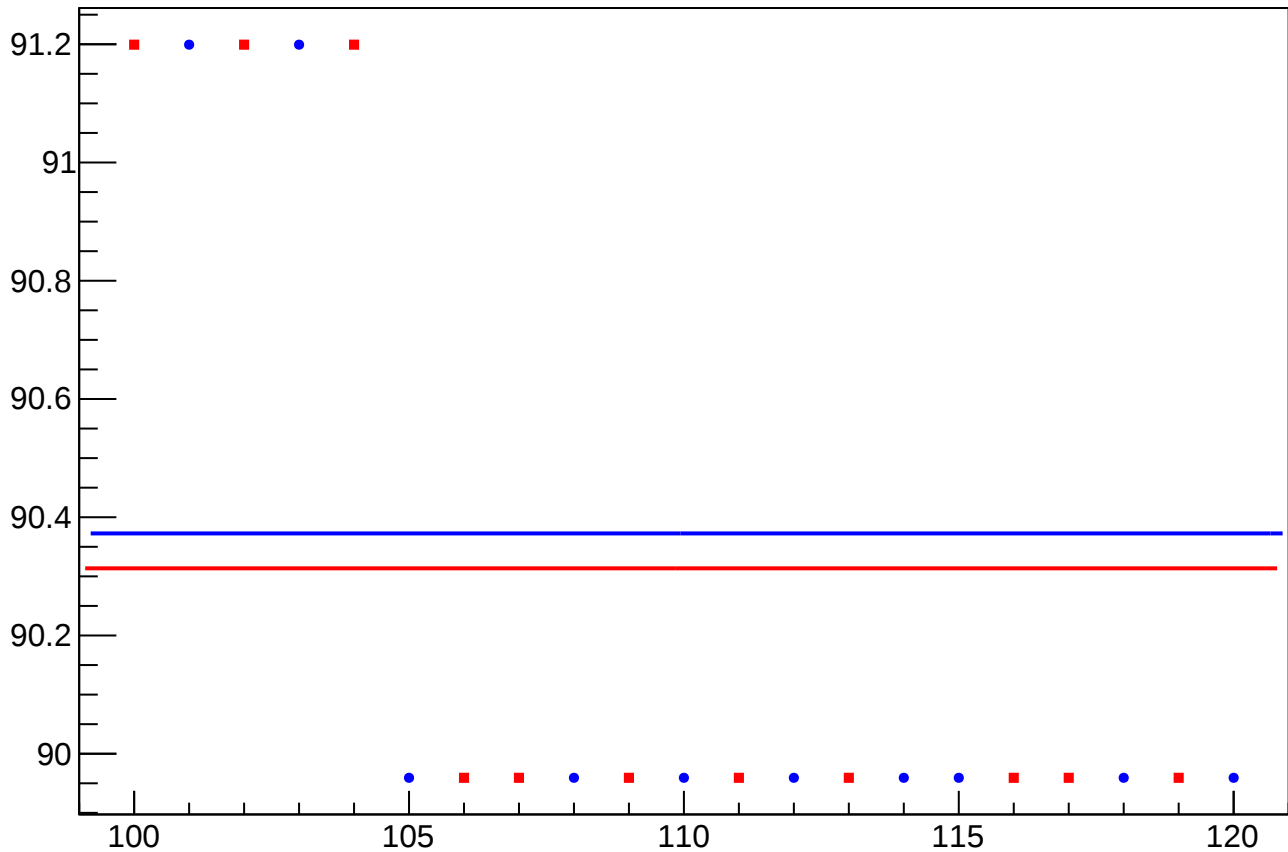
1478.653+/-0.000  $\chi^2/\text{NDF}$ : 8066247604722390

Right Out: 1477.128+/-0.000  $\chi^2/\text{NDF}$ : 84959266538846335557211082903781376.0/10

1477.128+/-0.000  $\chi^2/\text{NDF}$ : 8495926653884633

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# epics\_Phi\_FGs\_mean vs slug



Right In: 90.373+/-0.000  $\chi^2/\text{NDF}$ : 120957866666686853485422880751616.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

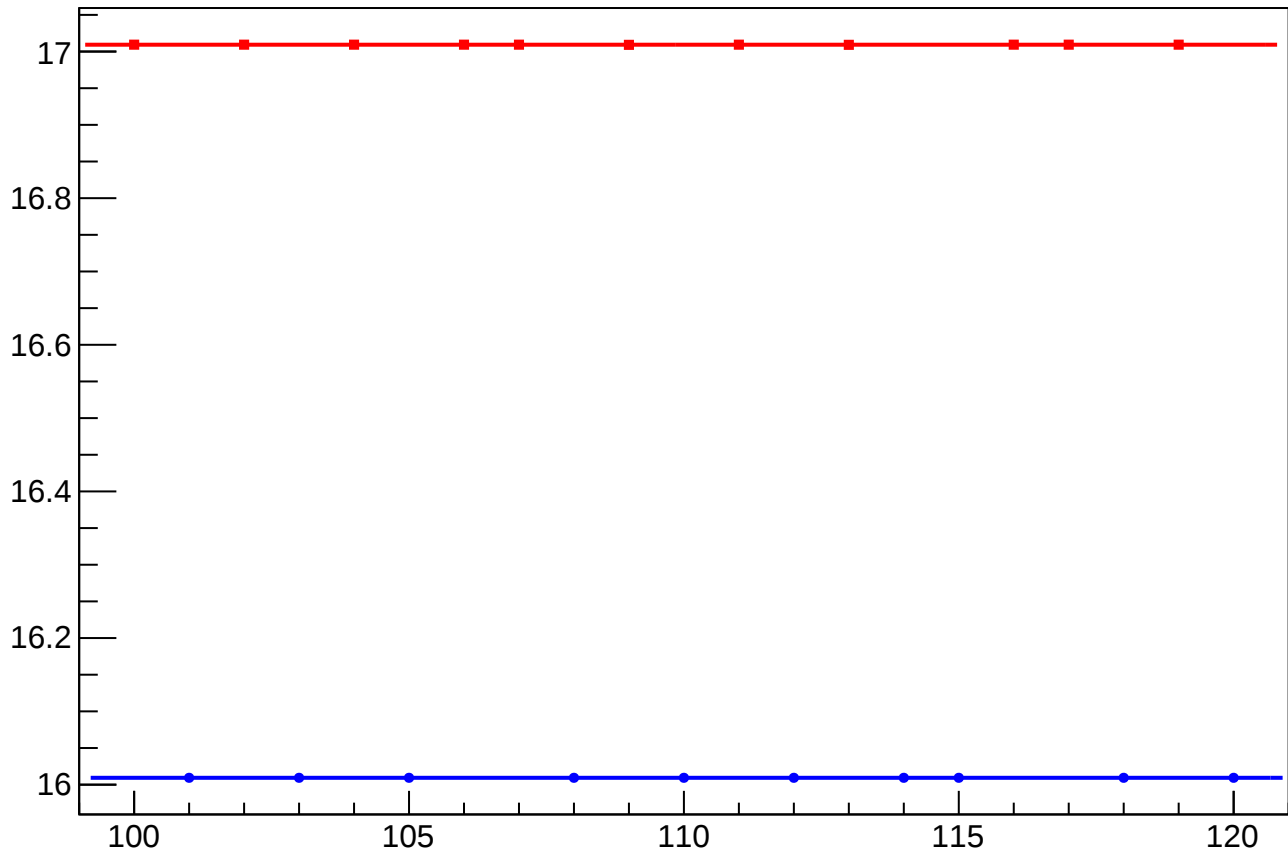
Right Out: 90.314+/-0.000  $\chi^2/\text{NDF}$ : 127401142857171643636705648443392.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

90.373+/-0.000  $\chi^2/\text{NDF}$ : 120957866666686853485422880751616.0/9

90.314+/-0.000  $\chi^2/\text{NDF}$ : 127401142857171643636705648443392.0/10

# epics\_IGL1I00DI24\_24Ms\_mean vs slug



Right In: 16.009 $\pm$ 0.000  $\chi^2$ /NDF: 25748.4/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

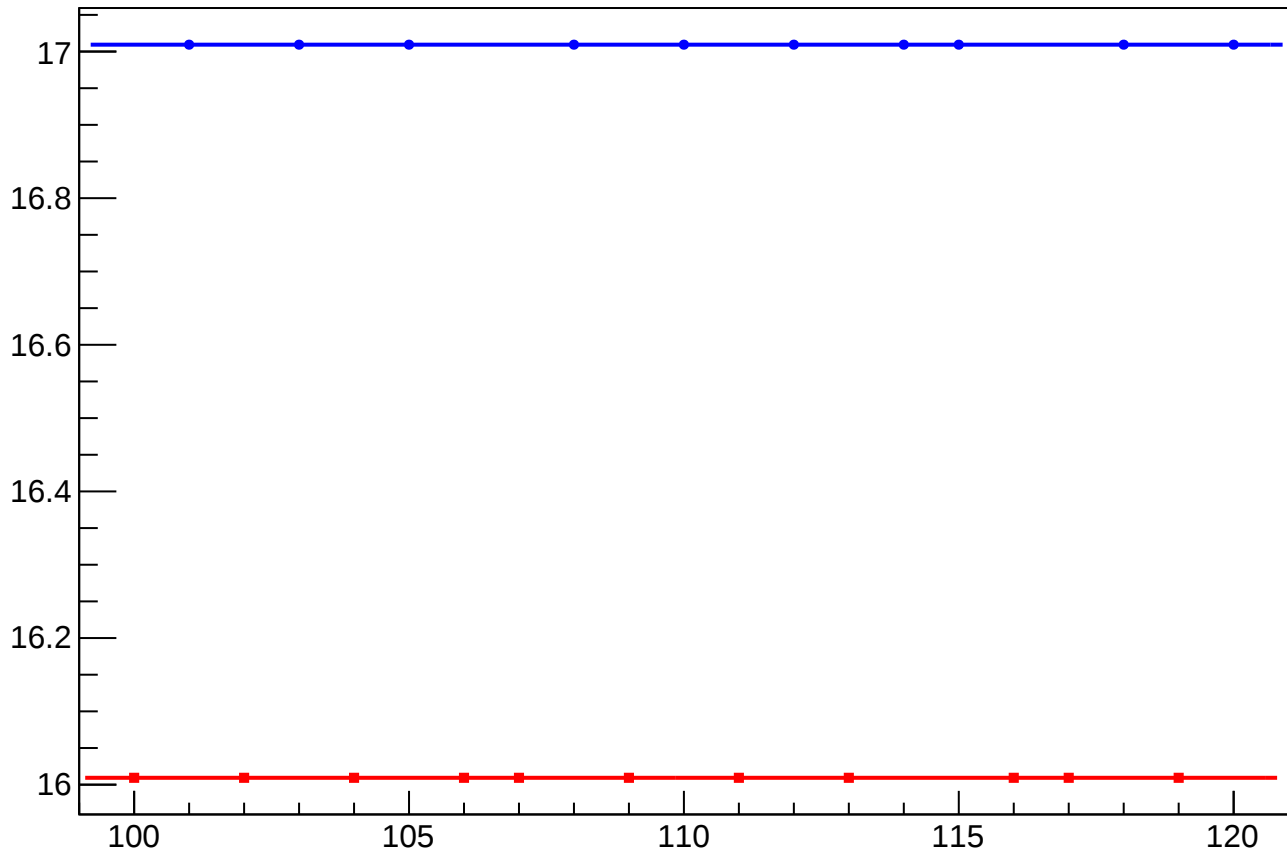
16.009 $\pm$ 0.000  $\chi^2$ /NDF: 25748.4/9

Right Out: 17.009 $\pm$ 0.000  $\chi^2$ /NDF: 3151550796387686608273408.0/10

17.009 $\pm$ 0.000  $\chi^2$ /NDF: 315155079638768660

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# epics\_IGL1I00OD16\_16s\_mean vs slug



Right In: 17.009 $\pm$ 0.000  $\chi^2$ /NDF: 20990.0/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

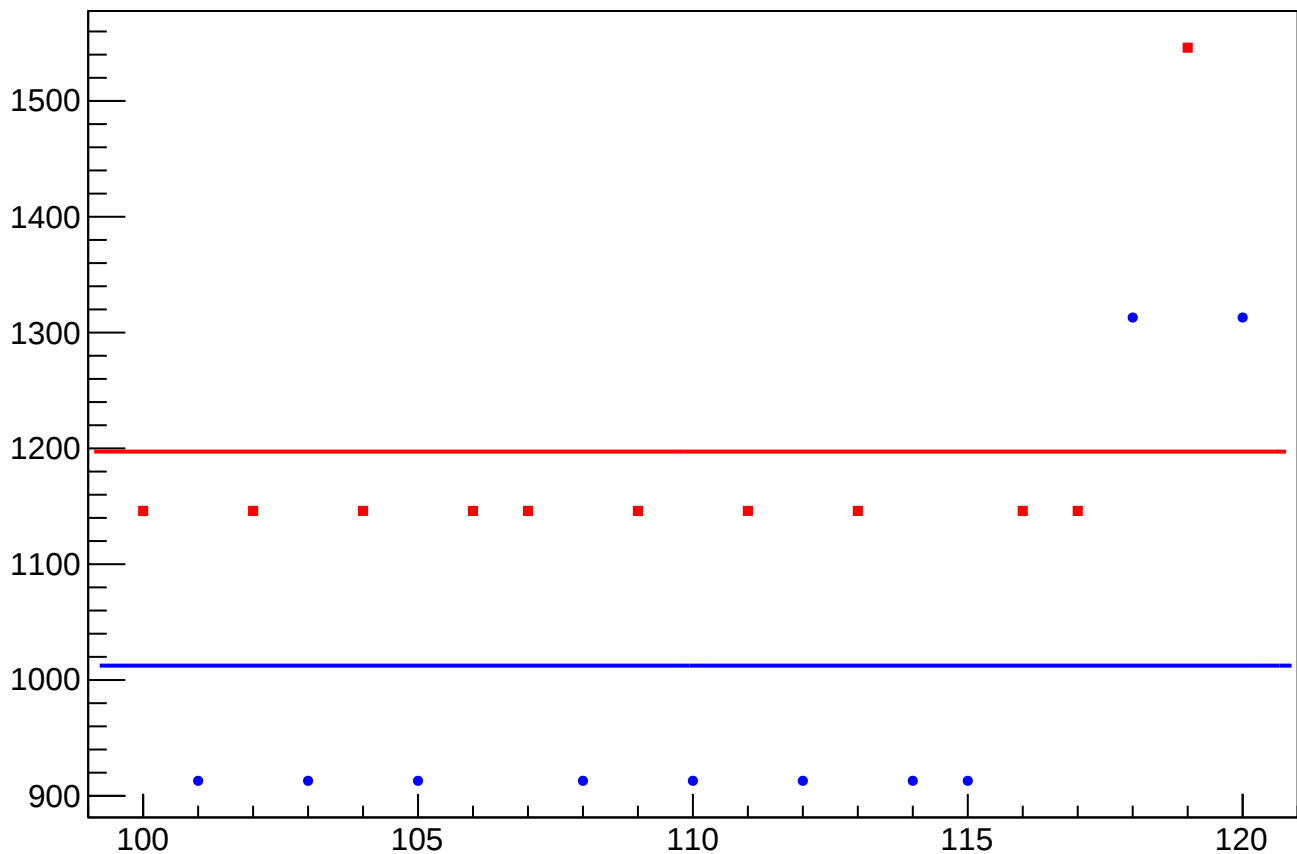
Right Out: 16.009 $\pm$ 0.000  $\chi^2$ /NDF: 9567.3/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

17.009 $\pm$ 0.000  $\chi^2$ /NDF: 20990.0/9

16.009 $\pm$ 0.000  $\chi^2$ /NDF: 9567.3/10

# epics\_RTPAPOSUCNTs\_mean vs slug



Right In: 1012.433+/-0.000  $\chi^2/\text{NDF}$ : 10580843015038886124516853659373404160.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

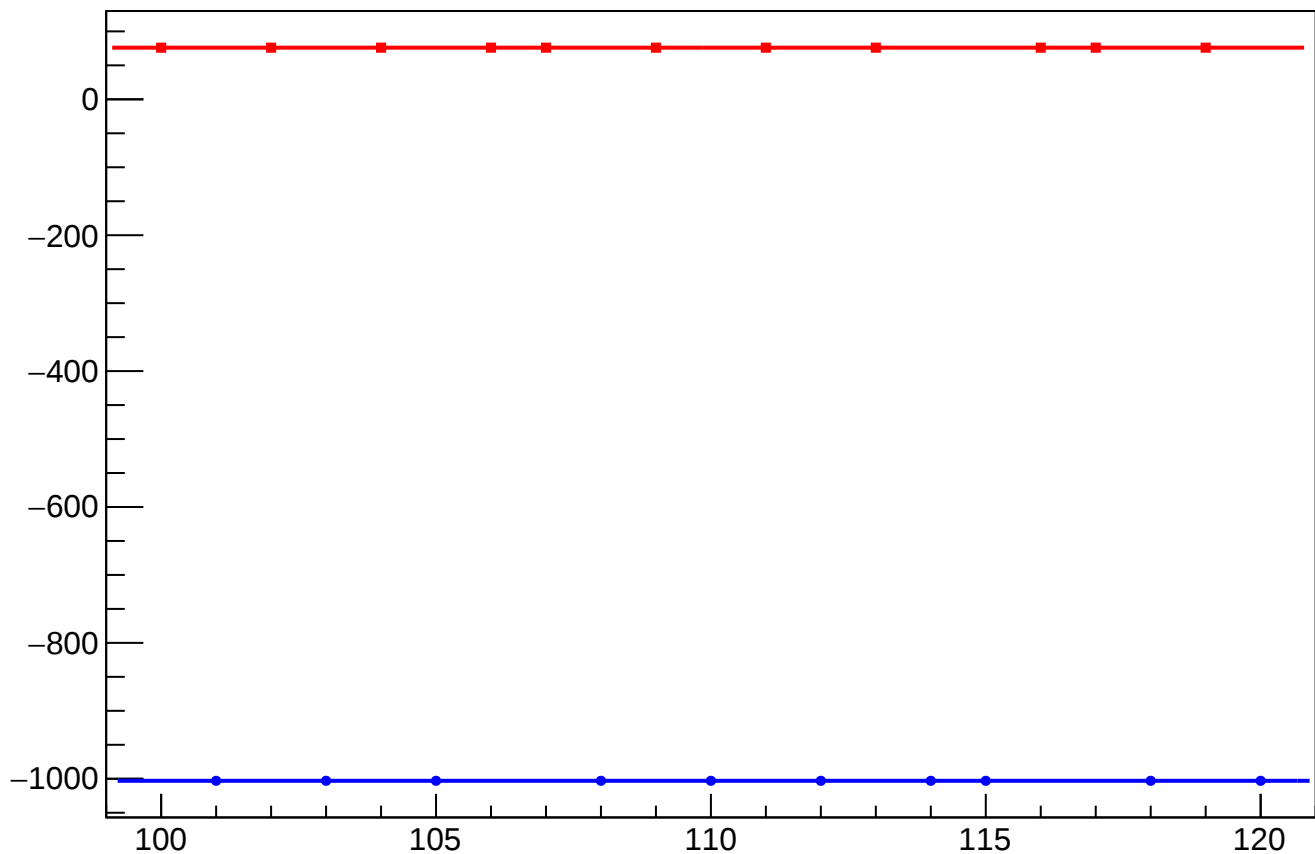
Right Out: 1197.242+/-0.000  $\chi^2/\text{NDF}$ : 7254426173716109255757060875361452032.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1012.433+/-0.000  $\chi^2/\text{NDF}$ : 10580843015038886124516853659373404160.0/9

1197.242+/-0.000  $\chi^2/\text{NDF}$ : 7254426173716109255757060875361452032.0/10

# epics\_RTPAPOSVCNTs\_mean vs slug



Right In: -1002.989+/-0.000  $\chi^2/\text{NDF}$ : 1465146995991481333657370624.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 76.010+/-0.000  $\chi^2/\text{NDF}$ : 1289447500985430002169282560.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1002.989+/-0.000  $\chi^2/\text{NDF}$ : 1465146995991481333657370624.0/9

76.010+/-0.000  $\chi^2/\text{NDF}$ : 1289447500985430002169282560.0/10