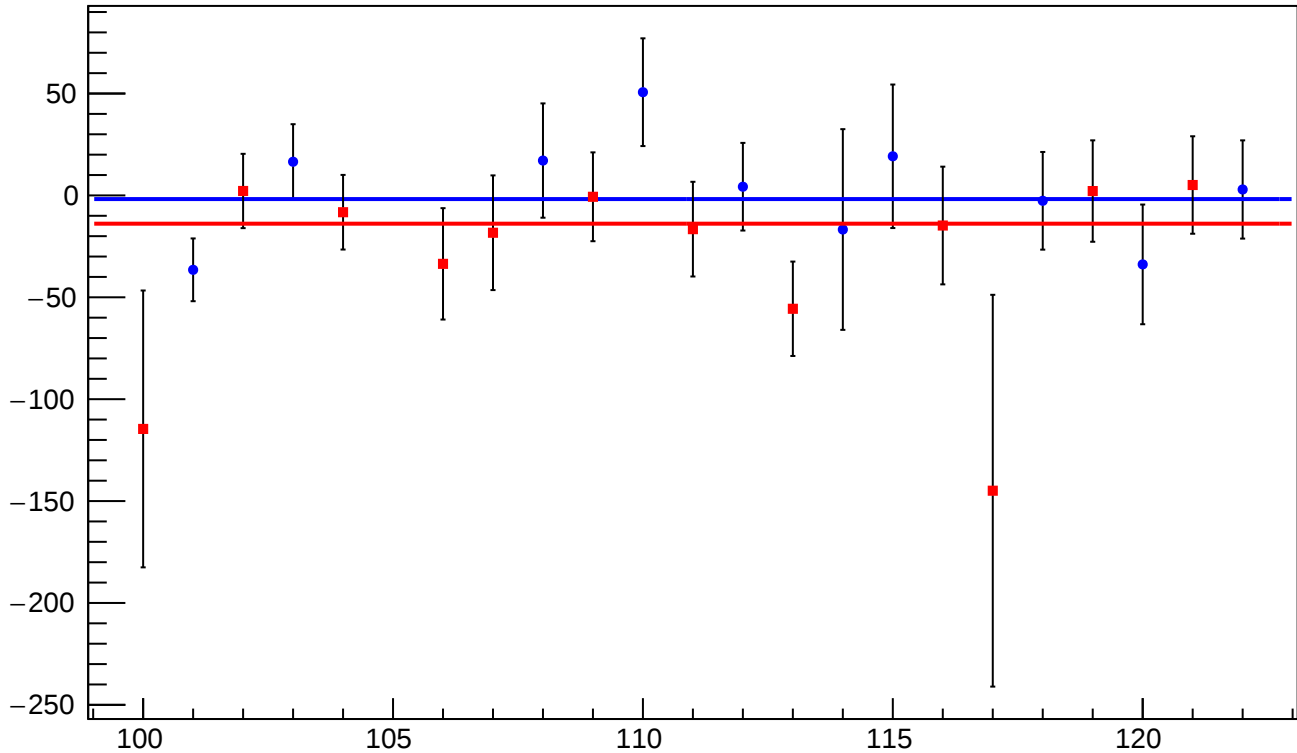


# diff\_bpm4aX\_mean vs Slug



Right In: -1.794+/-7.482

$\chi^2/\text{NDF}$ : 12.2/9

Left Out: 0.000+/-0.000

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

Right Out: -13.874+/-7.198

$\chi^2/\text{NDF}$ : 10.1/11

Left In: 0.000+/-0.000

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

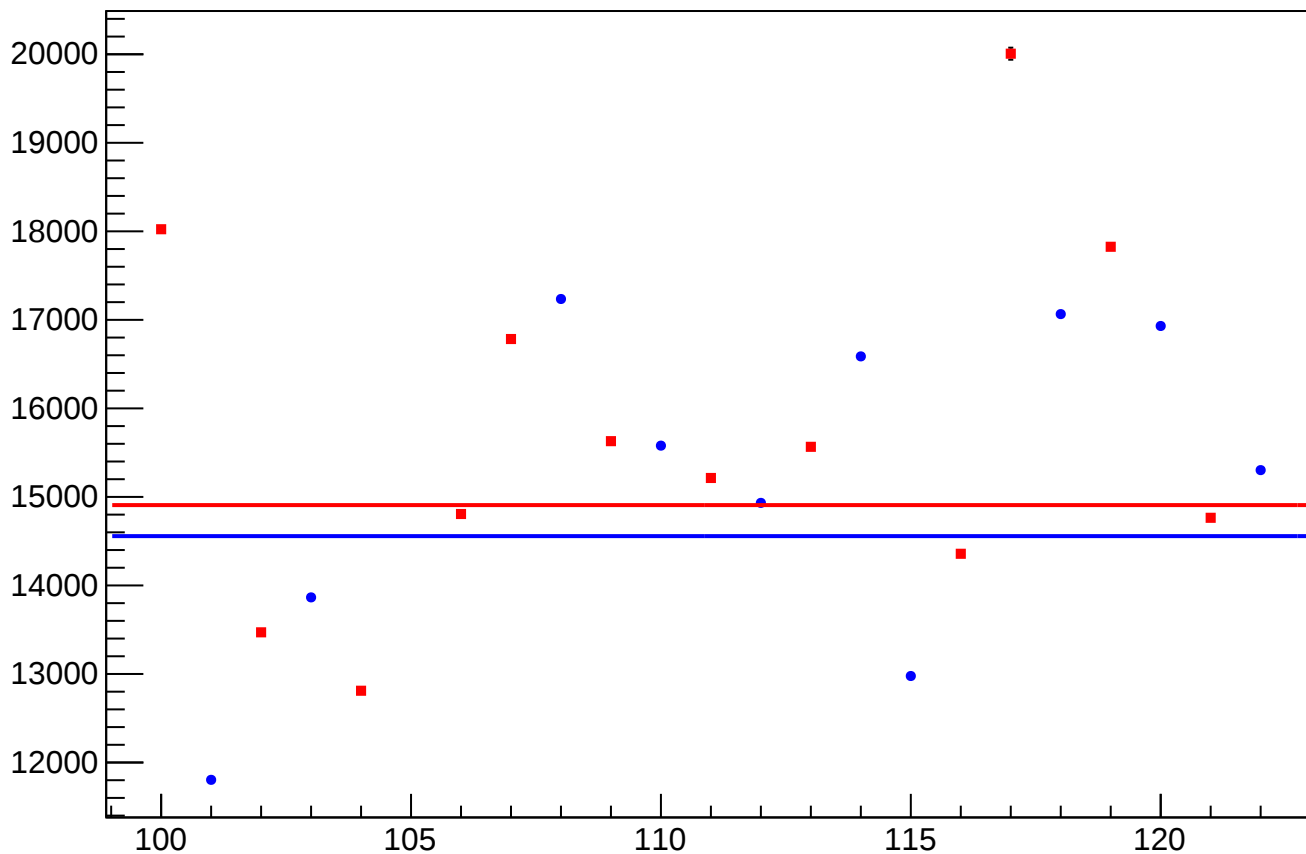
-1.794+/-7.482

$\chi^2/\text{NDF}$ : 12.2/9

-13.874+/-7.198

$\chi^2/\text{NDF}$ : 10.1/11

# diff\_bpm4aX\_rms vs Slug



Right In: 14557.144+/-5.290  $\chi^2/\text{NDF}$ : 132859.8/9

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

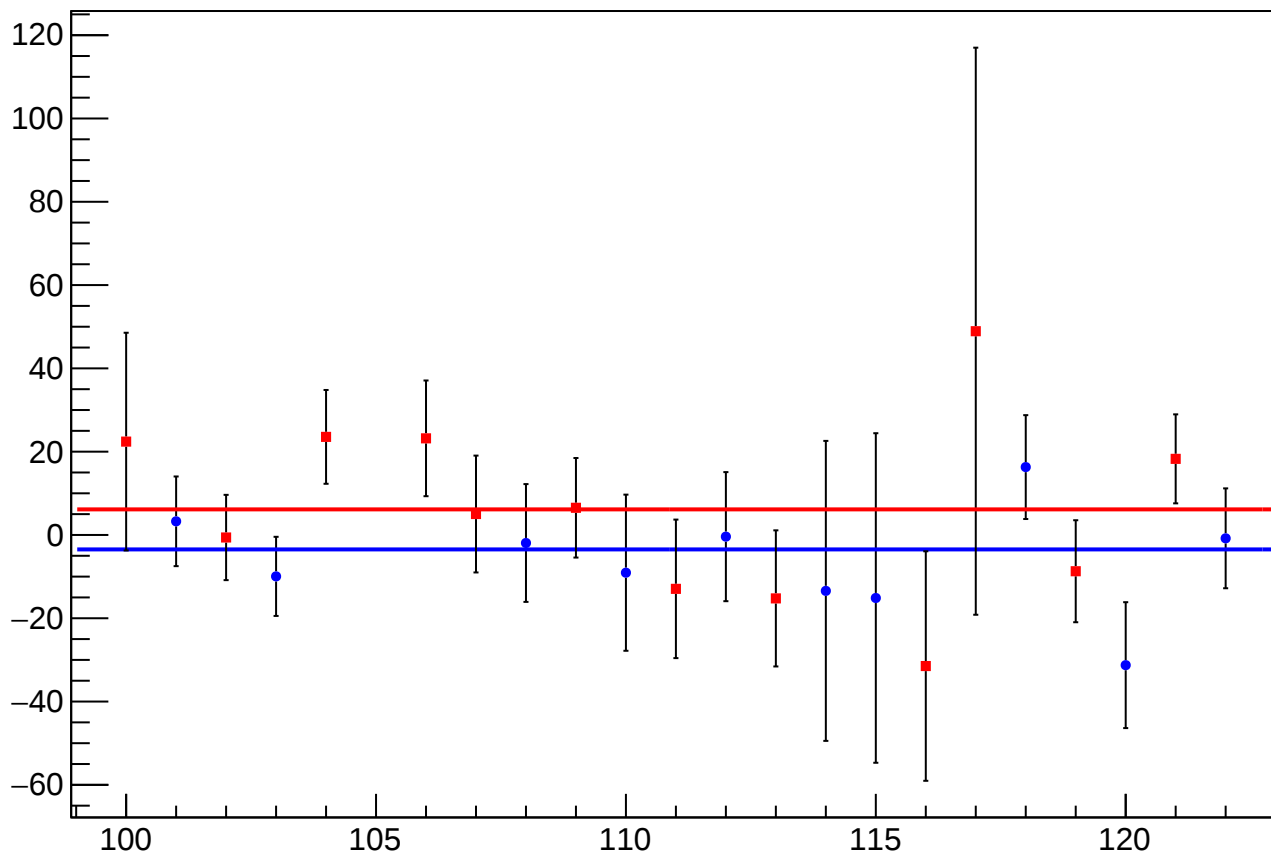
Right Out: 14907.575+/-5.090  $\chi^2/\text{NDF}$ : 89865.3/11

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

14557.144+/-5.290  $\chi^2/\text{NDF}$ : 132859.8/9

14907.575+/-5.090  $\chi^2/\text{NDF}$ : 89865.3/11

# diff\_bpm4aY\_mean vs Slug



Right In: -3.471+/-4.433  $\chi^2/\text{NDF}$ : 7.1/9

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

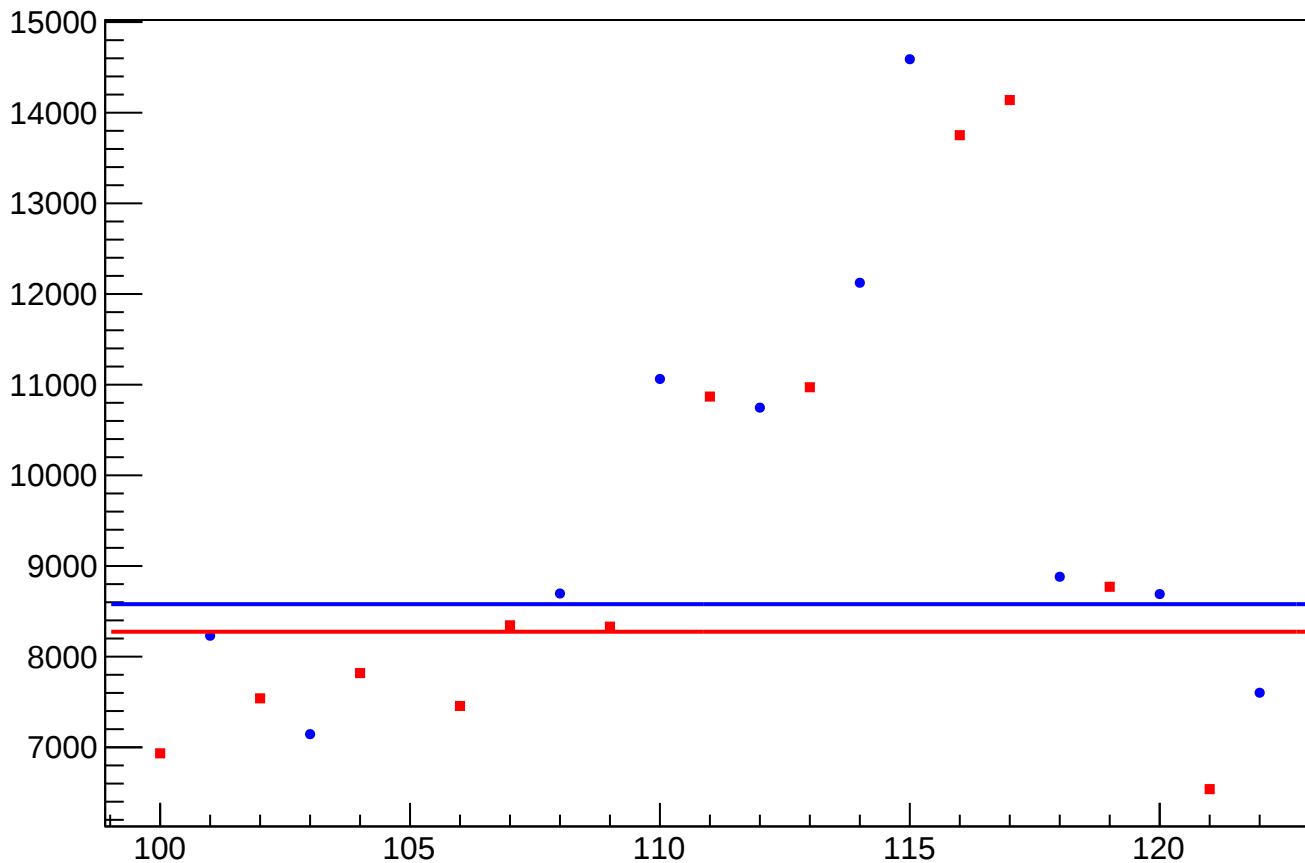
Right Out: 6.142+/-4.066  $\chi^2/\text{NDF}$ : 12.8/11

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

-3.471+/-4.433  $\chi^2/\text{NDF}$ : 7.1/9

6.142+/-4.066  $\chi^2/\text{NDF}$ : 12.8/11

# diff\_bpm4aY\_rms vs Slug



Right In: 8578.956+/-3.134  $\chi^2/\text{NDF}$ : 202160.1/9

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

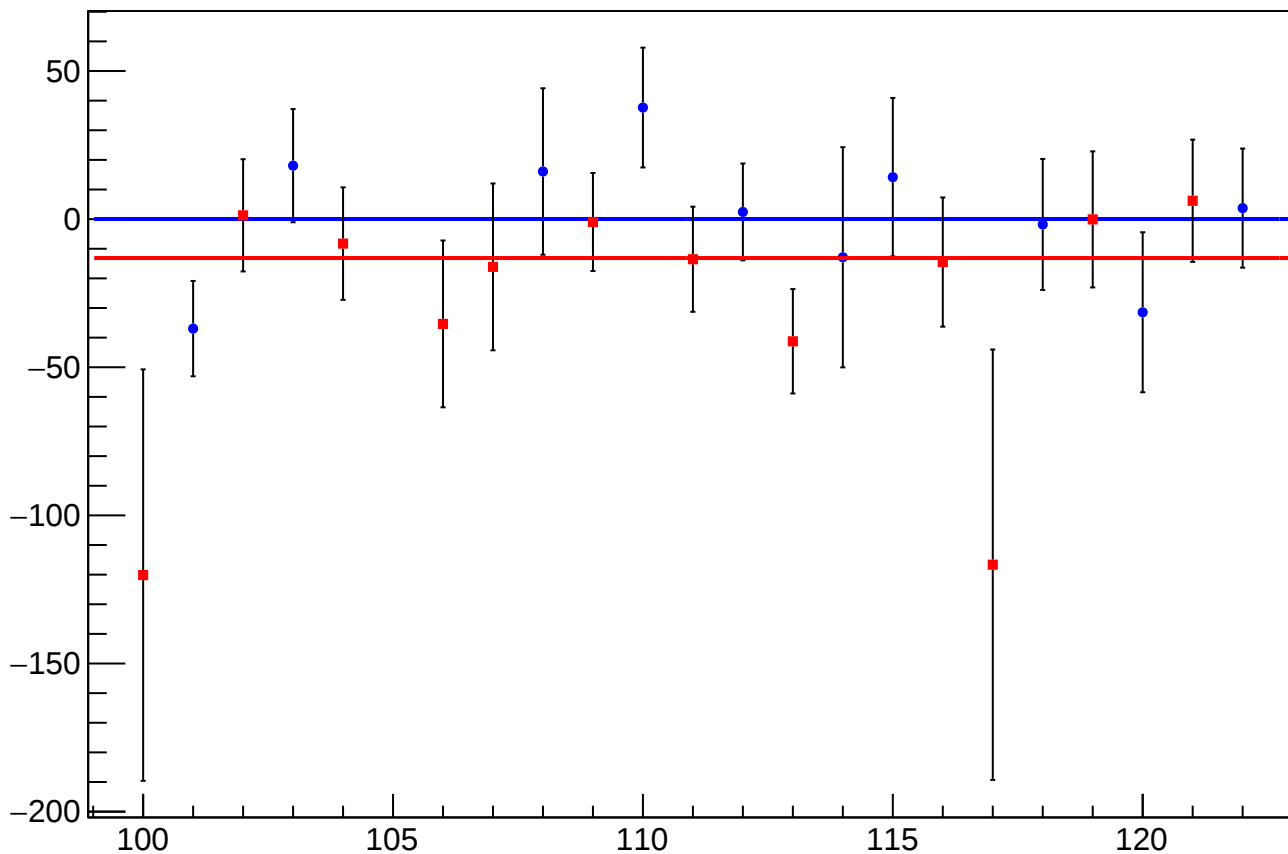
Right Out: 8274.896+/-2.875  $\chi^2/\text{NDF}$ : 278953.9/11

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

8578.956+/-3.134  $\chi^2/\text{NDF}$ : 202160.1/9

8274.896+/-2.875  $\chi^2/\text{NDF}$ : 278953.9/11

# diff\_bpm4eX\_mean vs Slug



Right In: 0.051+/-6.731  $\chi^2/\text{NDF}$ : 11.8/9

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

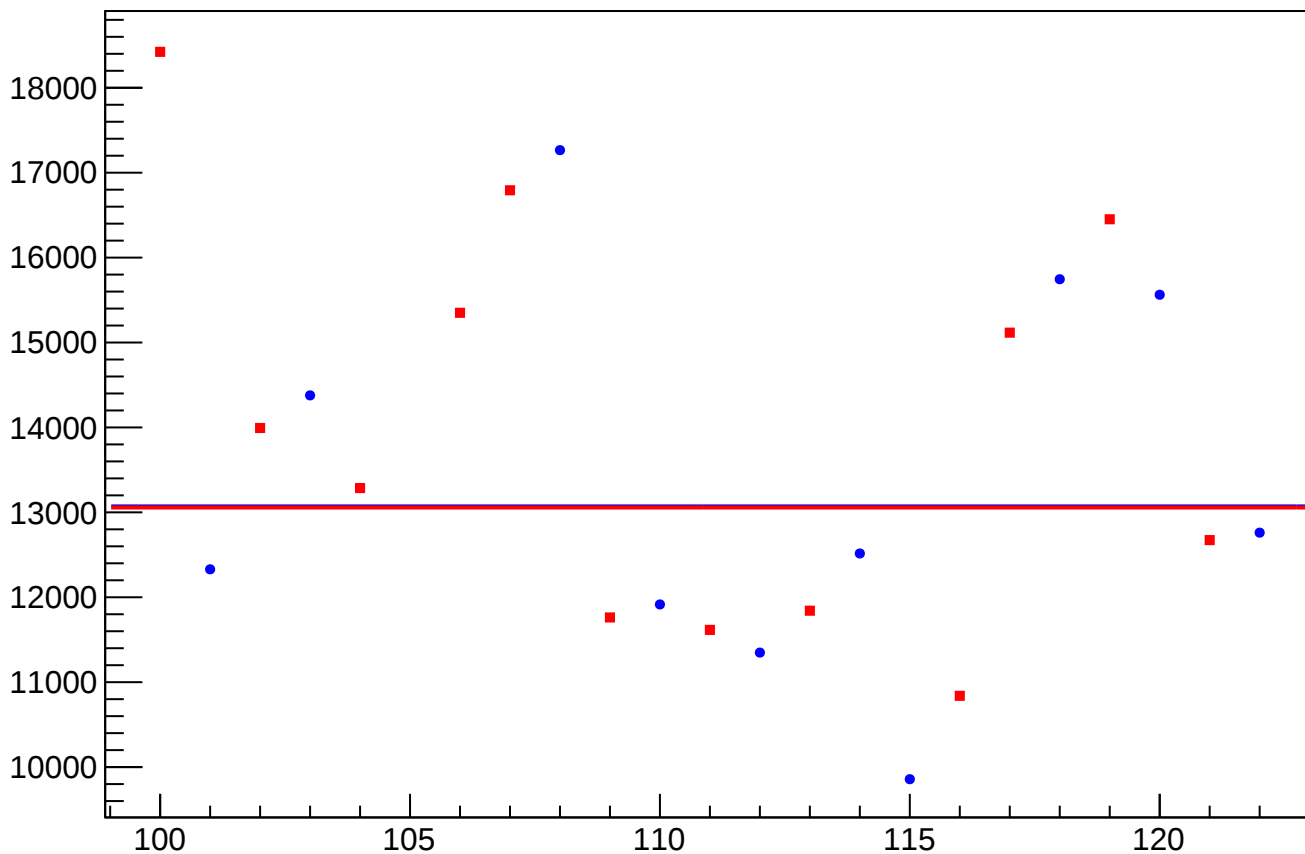
Right Out: -13.129+/-6.339  $\chi^2/\text{NDF}$ : 10.0/11

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

0.051+/-6.731  $\chi^2/\text{NDF}$ : 11.8/9

-13.129+/-6.339  $\chi^2/\text{NDF}$ : 10.0/11

# diff\_bpm4eX\_rms vs Slug



Right In: 13069.954+/-4.760  $\chi^2/\text{NDF}$ : 162999.0/9

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

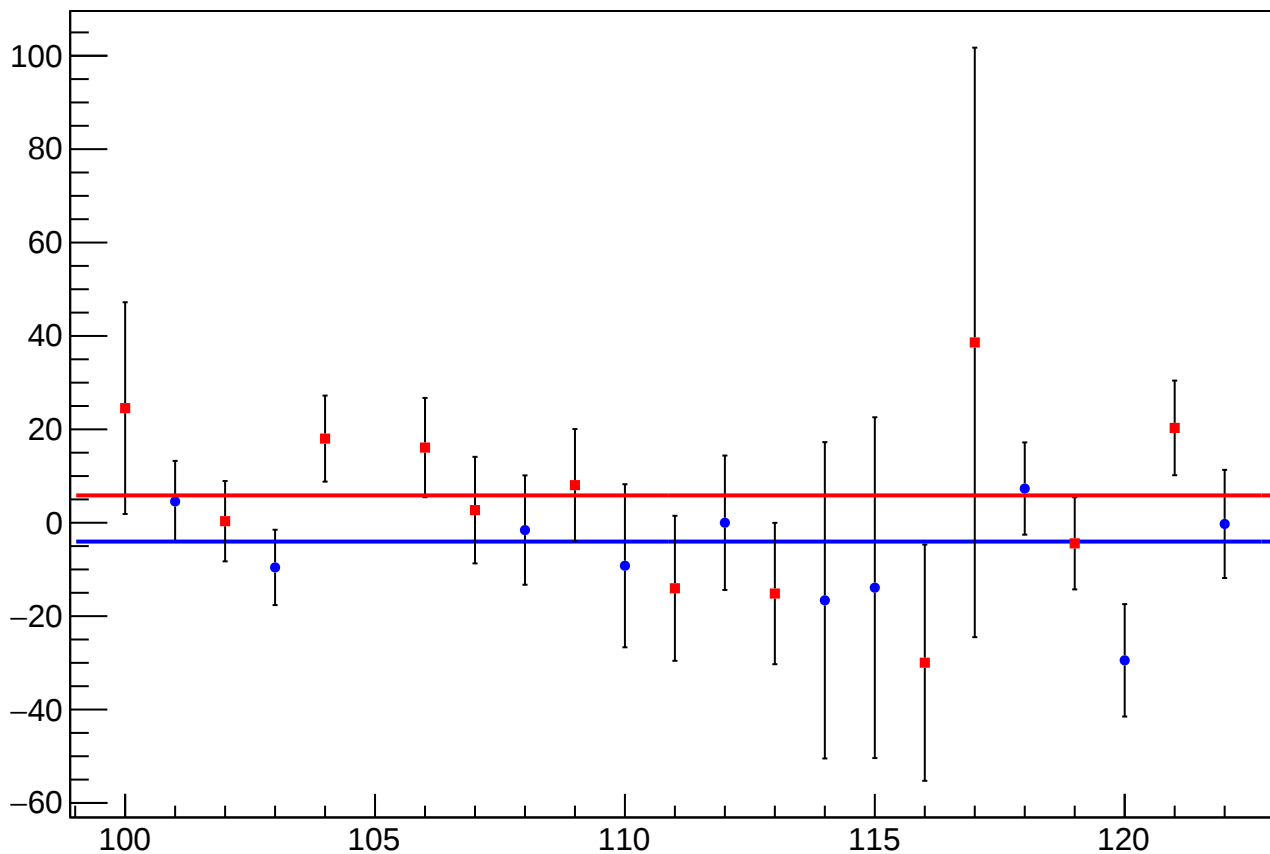
Right Out: 13057.030+/-4.483  $\chi^2/\text{NDF}$ : 167247.4/11

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

13069.954+/-4.760  $\chi^2/\text{NDF}$ : 162999.0/9

13057.030+/-4.483  $\chi^2/\text{NDF}$ : 167247.4/11

# diff\_bpm4eY\_mean vs Slug



Right In: -4.029+/-3.772  $\chi^2/\text{NDF}$ : 7.8/9

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

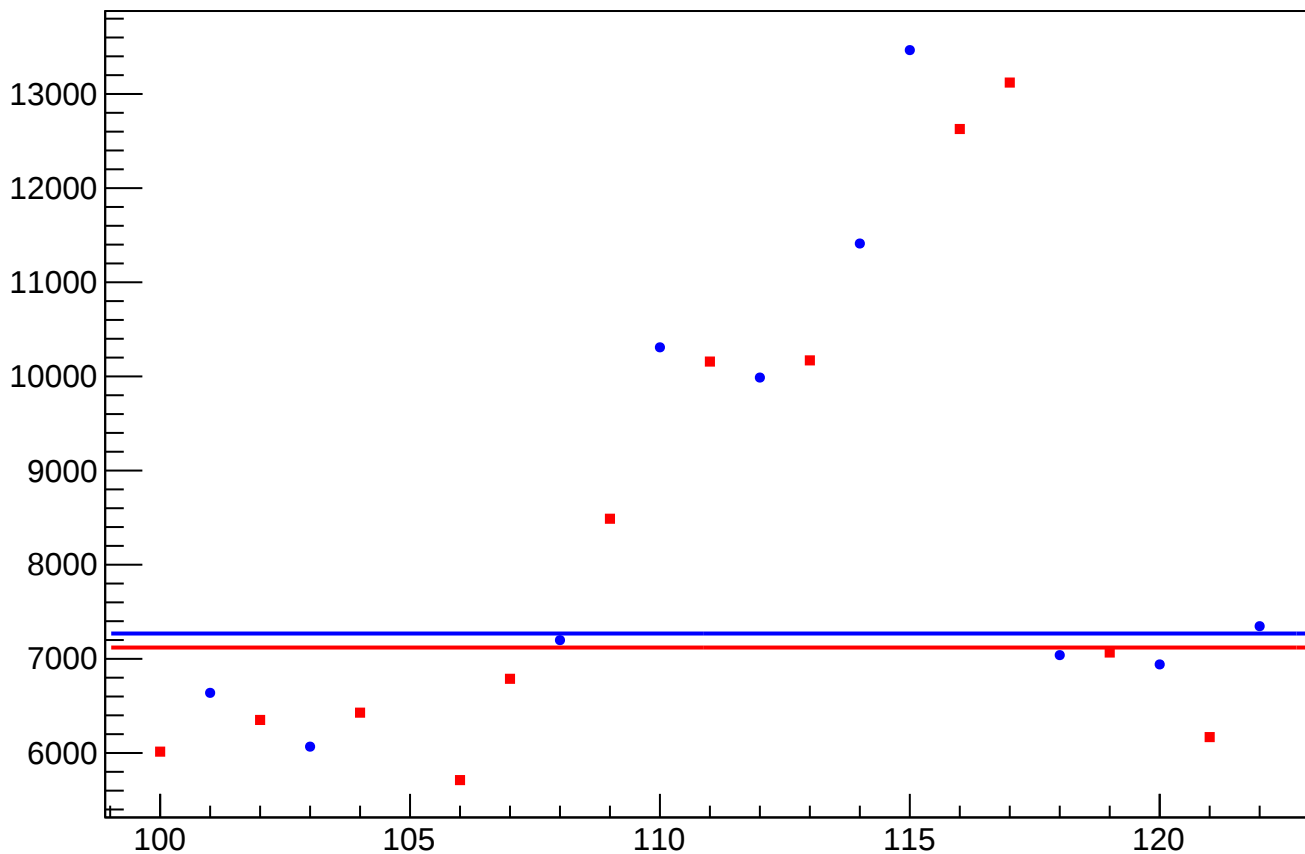
Right Out: 5.857+/-3.512  $\chi^2/\text{NDF}$ : 12.8/11

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

-4.029+/-3.772  $\chi^2/\text{NDF}$ : 7.8/9

5.857+/-3.512  $\chi^2/\text{NDF}$ : 12.8/11

# diff\_bpm4eY\_rms vs Slug



Right In: 7269.057+/-2.667  $\chi^2/\text{NDF}$ : 277283.6/9

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

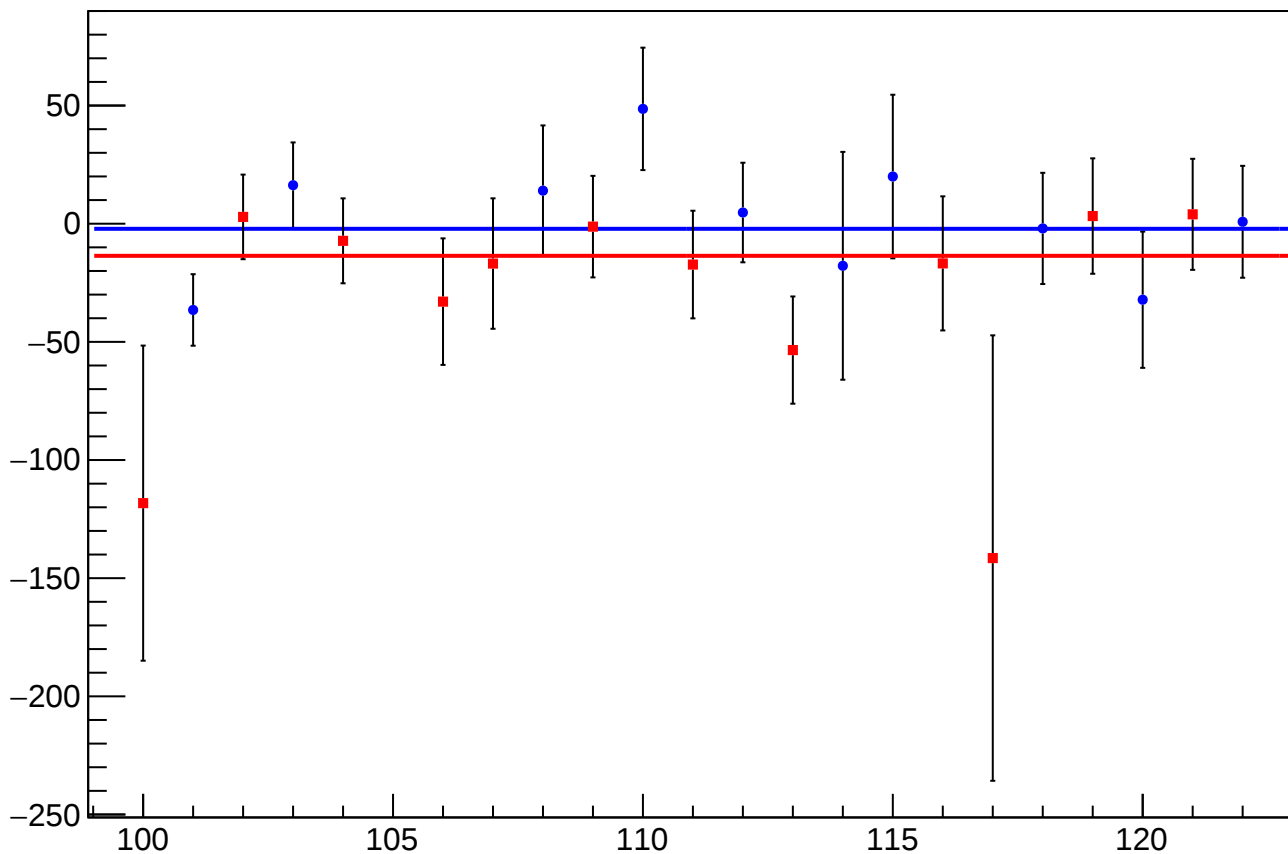
Right Out: 7120.203+/-2.484  $\chi^2/\text{NDF}$ : 383154.2/11

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

7269.057+/-2.667  $\chi^2/\text{NDF}$ : 277283.6/9

7120.203+/-2.484  $\chi^2/\text{NDF}$ : 383154.2/11

# diff\_bpm4acX\_mean vs Slug



Right In: -2.157+/-7.345  $\chi^2$ /NDF: 12.1/9

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

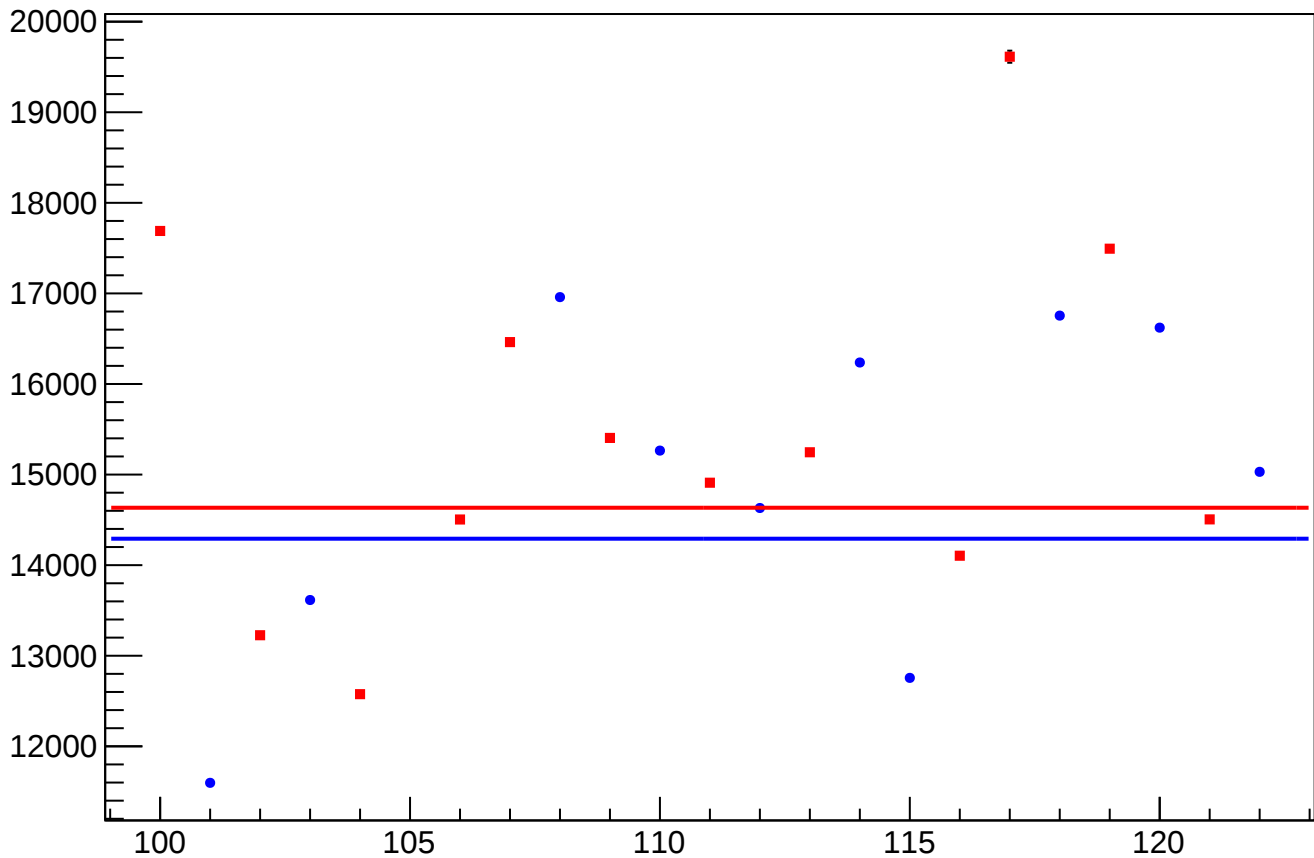
Right Out: -13.591+/-7.066  $\chi^2$ /NDF: 10.3/11

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

-2.157+/-7.345  $\chi^2$ /NDF: 12.1/9

-13.591+/-7.066  $\chi^2$ /NDF: 10.3/11

# diff\_bpm4acX\_rms vs Slug



Right In: 14291.975+/-5.194  $\chi^2/\text{NDF}$ : 132373.0/9

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

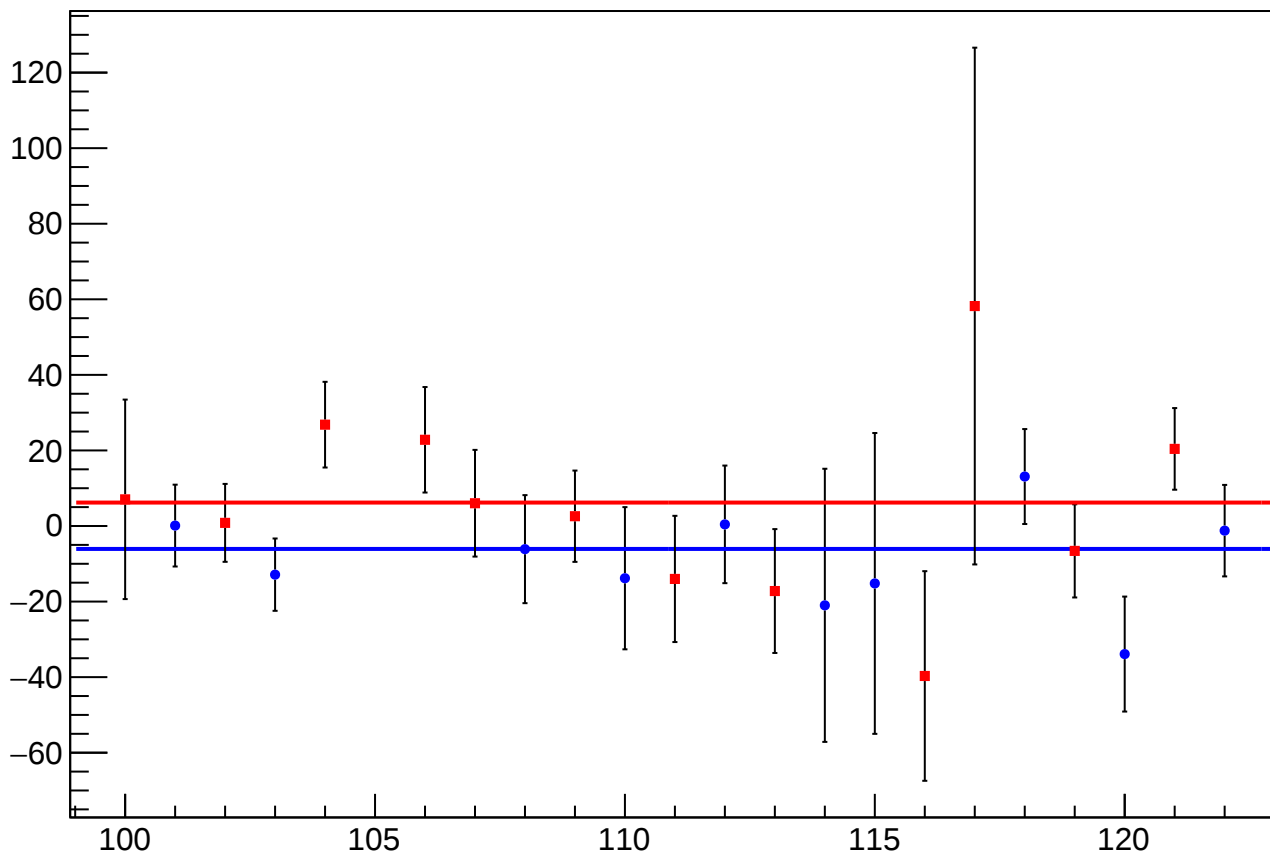
14291.975+/-5.194  $\chi^2/\text{NDF}$ : 132373.0/9

Right Out: 14633.896+/-4.996  $\chi^2/\text{NDF}$ : 89702.9/11

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

14633.896+/-4.996  $\chi^2/\text{NDF}$ : 89702.9/11

# diff\_bpm4acY\_mean vs Slug



Right In: -6.069+/-4.465  $\chi^2/\text{NDF}$ : 7.2/9

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

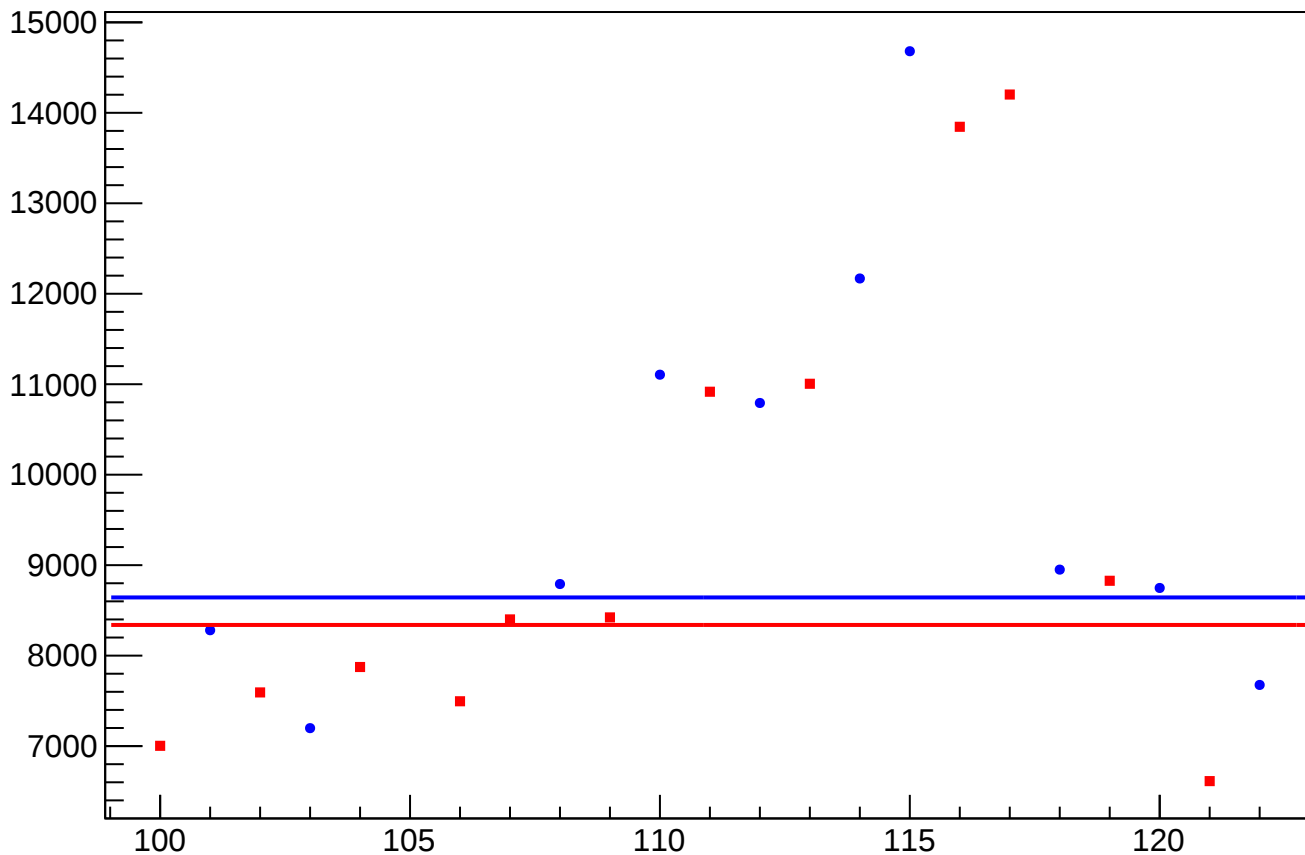
Right Out: 6.203+/-4.097  $\chi^2/\text{NDF}$ : 14.7/11

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

-6.069+/-4.465  $\chi^2/\text{NDF}$ : 7.2/9

6.203+/-4.097  $\chi^2/\text{NDF}$ : 14.7/11

# diff\_bpm4acY\_rms vs Slug



Right In: 8643.223+/-3.157  $\chi^2/\text{NDF}$ : 199504.1/9

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

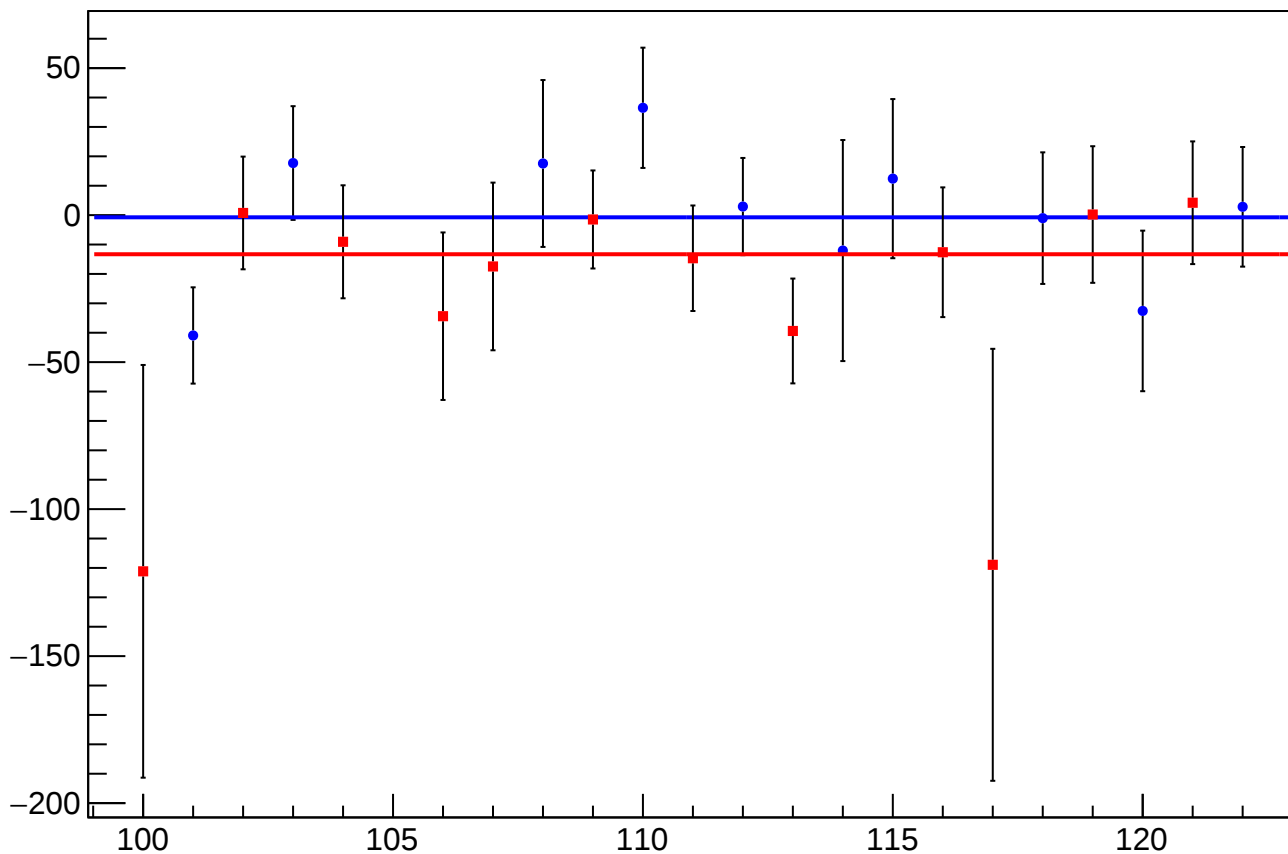
8643.223+/-3.157  $\chi^2/\text{NDF}$ : 199504.1/9

Right Out: 8339.092+/-2.897  $\chi^2/\text{NDF}$ : 274607.6/11

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

8339.092+/-2.897  $\chi^2/\text{NDF}$ : 274607.6/11

diff\_bpm4ecX\_mean vs Slug



Right In:  $-0.743 \pm 6.817$   $\chi^2/\text{NDF}$ : 12.4/9

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

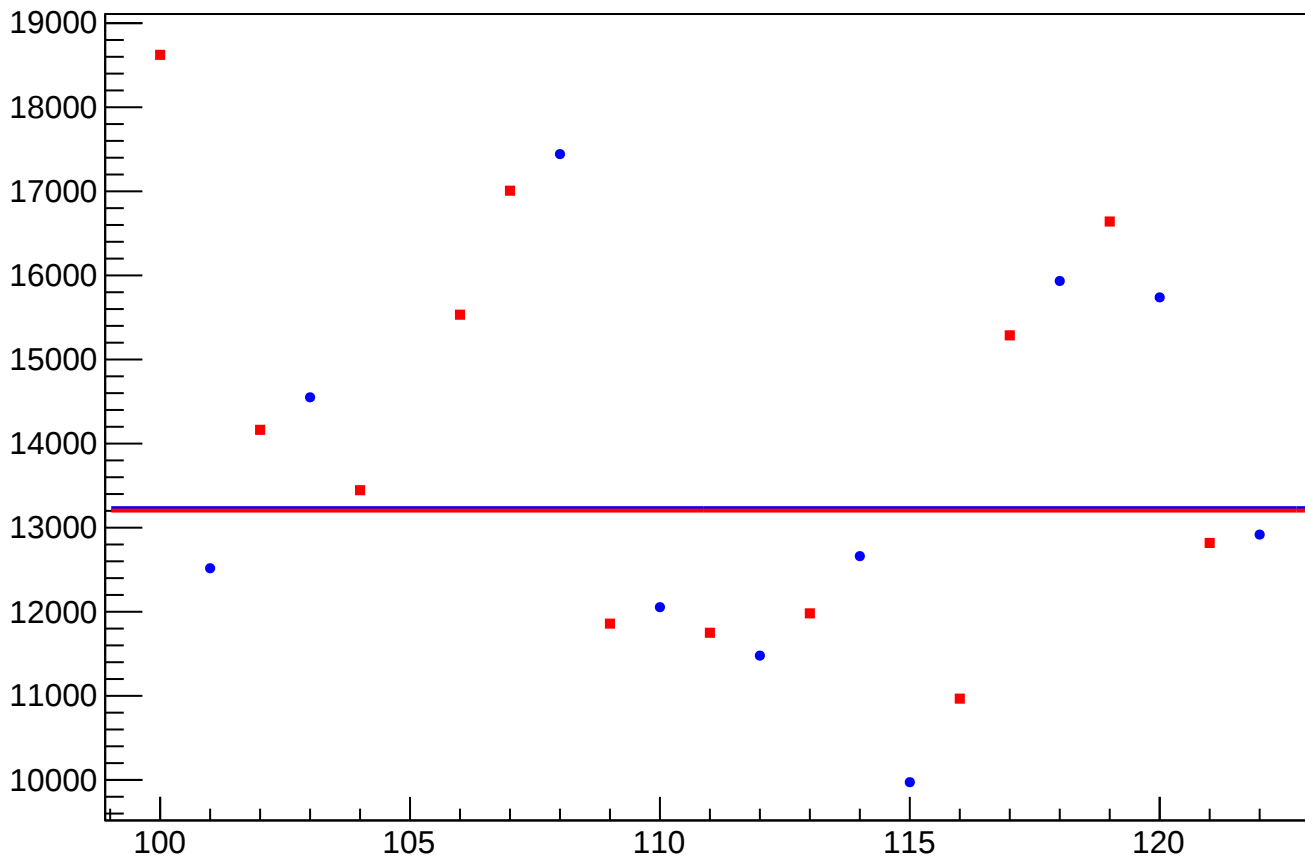
Right Out:  $-13.304 \pm 6.411$   $\chi^2/\text{NDF}$ : 9.3/11

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

$-0.743 \pm 6.817$   $\chi^2/\text{NDF}$ : 12.4/9

$-13.304 \pm 6.411$   $\chi^2/\text{NDF}$ : 9.3/11

# diff\_bpm4ecX\_rms vs Slug



Right In: 13232.225+/-4.820  $\chi^2$ /NDF: 162185.8/9

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

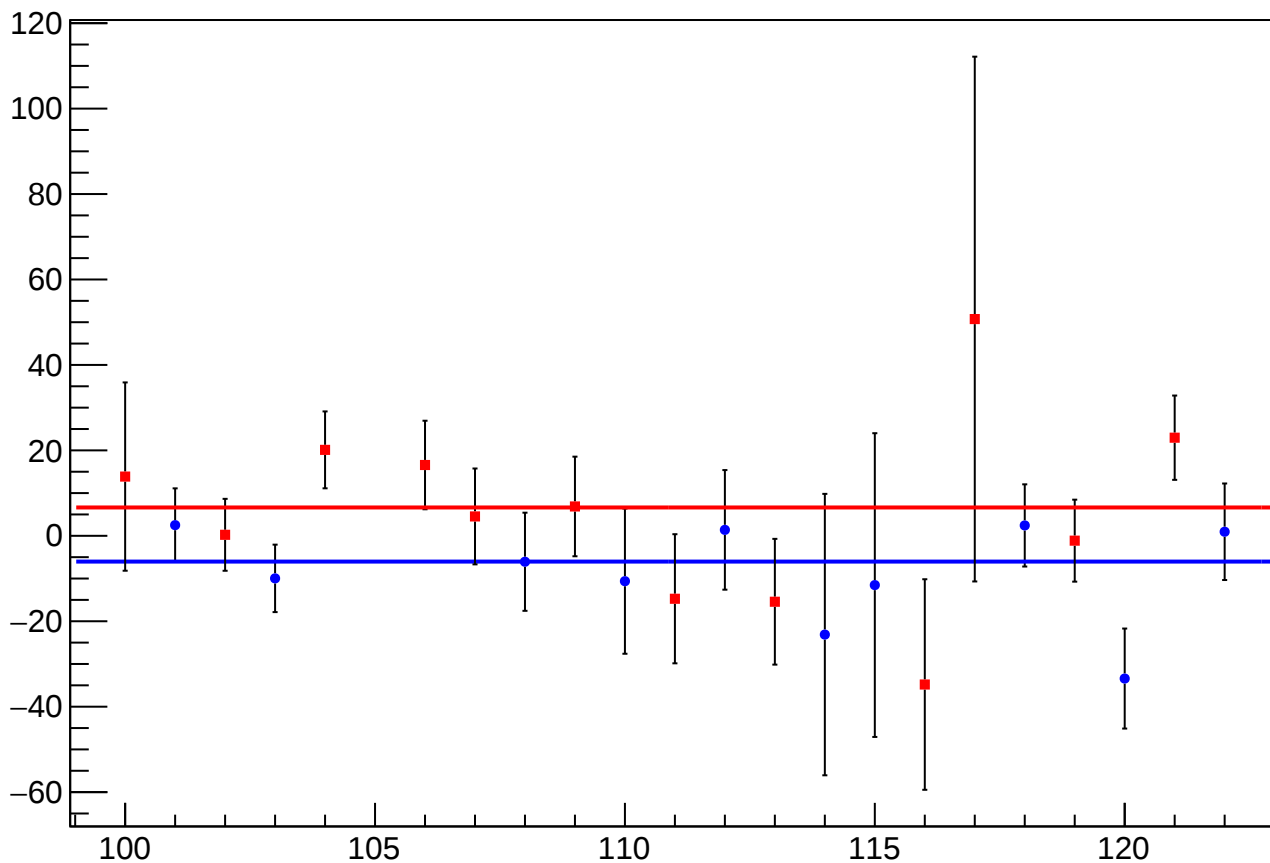
Right Out: 13203.522+/-4.533  $\chi^2$ /NDF: 168386.1/11

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

13232.225+/-4.820  $\chi^2$ /NDF: 162185.8/9

13203.522+/-4.533  $\chi^2$ /NDF: 168386.1/11

diff\_bpm4ecY\_mean vs Slug



Right In: -6.032+/-3.693  $\chi^2$ /NDF: 8.5/9

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

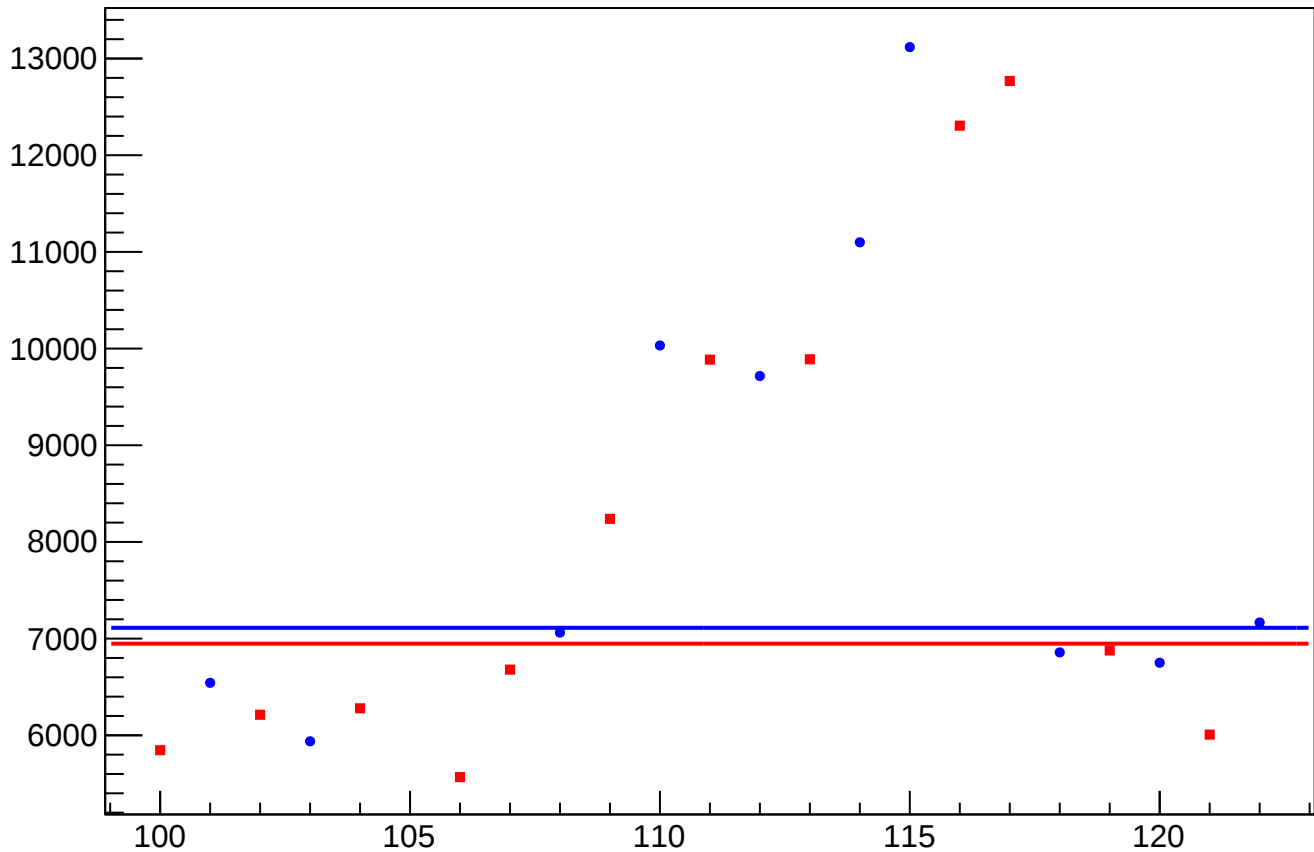
Right Out: 6.634+/-3.427  $\chi^2$ /NDF: 14.9/11

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

-6.032+/-3.693  $\chi^2$ /NDF: 8.5/9

6.634+/-3.427  $\chi^2$ /NDF: 14.9/11

# diff\_bpm4ecY\_rms vs Slug



Right In: 7111.984+/-2.611  $\chi^2/\text{NDF}$ : 271035.8/9

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

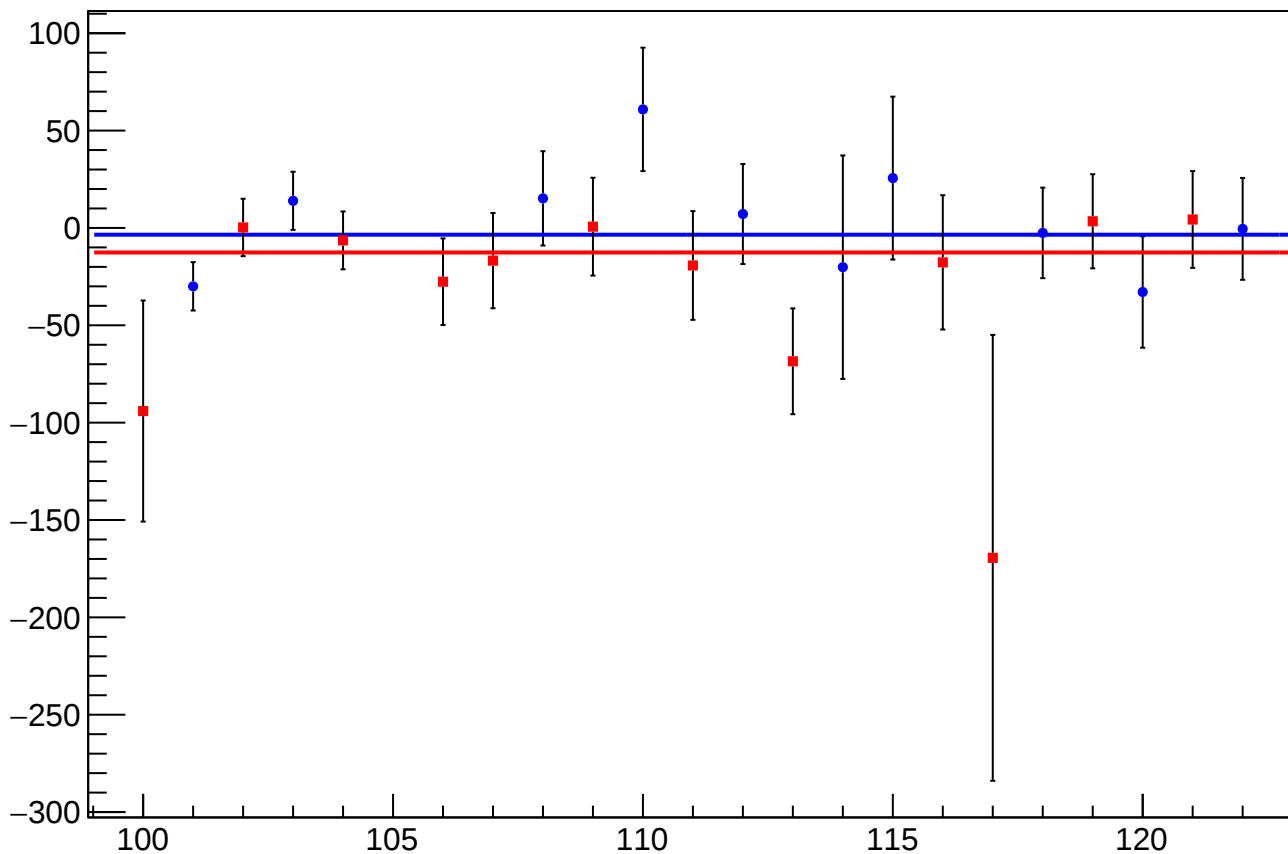
Right Out: 6947.857+/-2.423  $\chi^2/\text{NDF}$ : 378681.3/11

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

7111.984+/-2.611  $\chi^2/\text{NDF}$ : 271035.8/9

6947.857+/-2.423  $\chi^2/\text{NDF}$ : 378681.3/11

# diff\_bpm1X\_mean vs Slug



Right In: -3.477+/-6.968  $\chi^2/\text{NDF}$ : 12.4/9

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

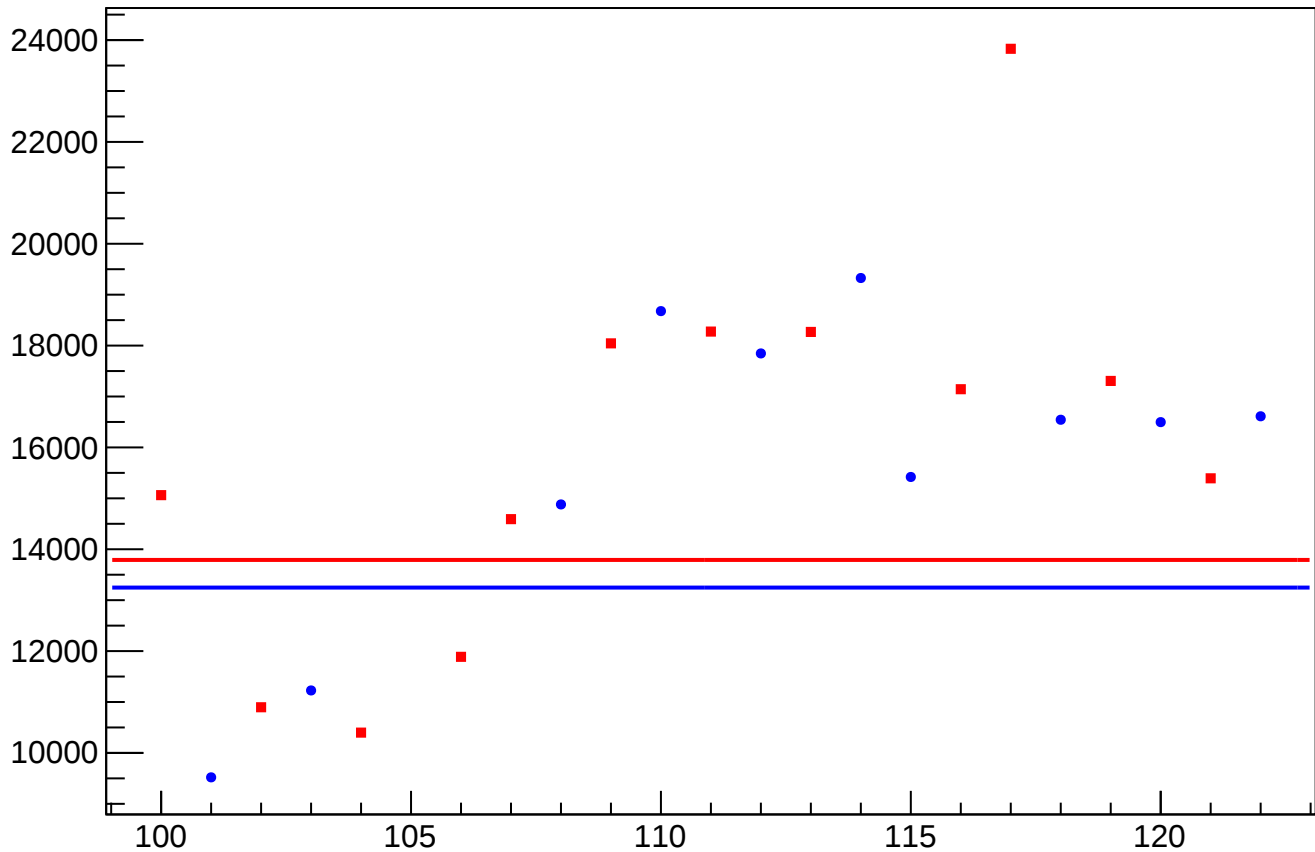
Right Out: -12.605+/-6.804  $\chi^2/\text{NDF}$ : 10.8/11

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

-3.477+/-6.968  $\chi^2/\text{NDF}$ : 12.4/9

-12.605+/-6.804  $\chi^2/\text{NDF}$ : 10.8/11

# diff\_bpm1X\_rms vs Slug



Right In: 13247.362+/-4.927  $\chi^2/\text{NDF}$ : 475578.4/9

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

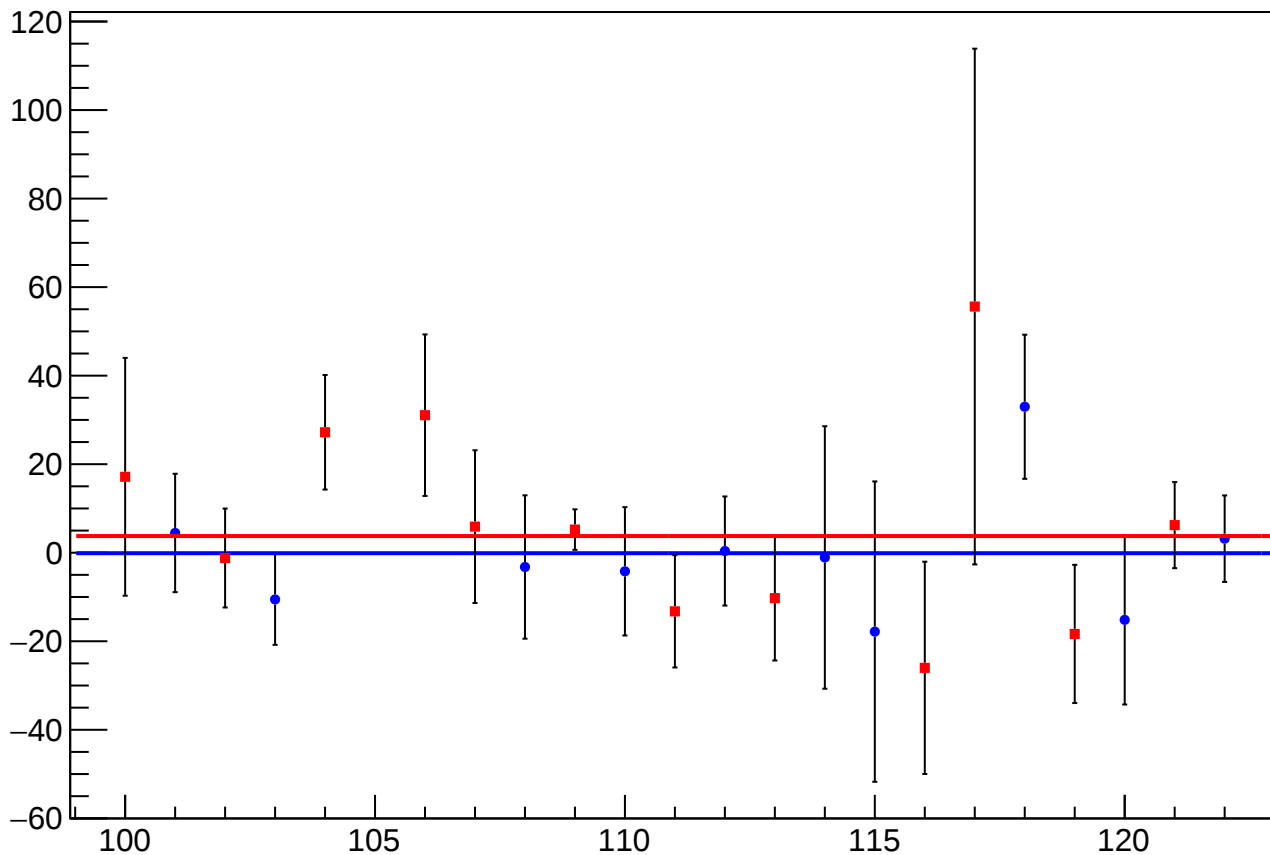
Right Out: 13790.230+/-4.811  $\chi^2/\text{NDF}$ : 447154.2/11

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

13247.362+/-4.927  $\chi^2/\text{NDF}$ : 475578.4/9

13790.230+/-4.811  $\chi^2/\text{NDF}$ : 447154.2/11

# diff\_bpm1Y\_mean vs Slug



Right In:  $-0.110 \pm 4.507$   $\chi^2/\text{NDF}$ : 6.4/9

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

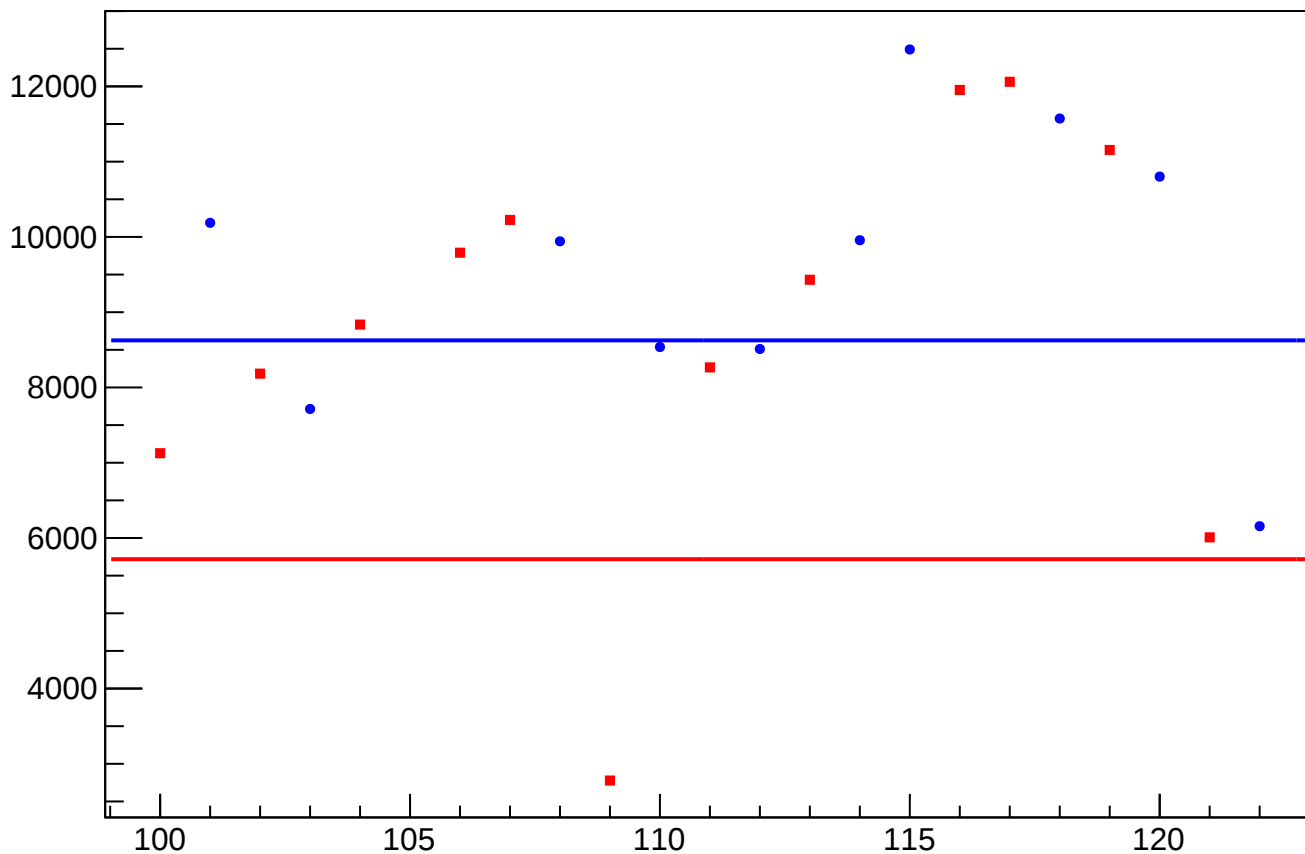
Right Out:  $3.768 \pm 3.204$   $\chi^2/\text{NDF}$ : 13.3/11

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

$-0.110 \pm 4.507$   $\chi^2/\text{NDF}$ : 6.4/9

$3.768 \pm 3.204$   $\chi^2/\text{NDF}$ : 13.3/11

# diff\_bpm1Y\_rms vs Slug



Right In: 8625.727+/-3.187  $\chi^2/\text{NDF}$ : 305656.4/9

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

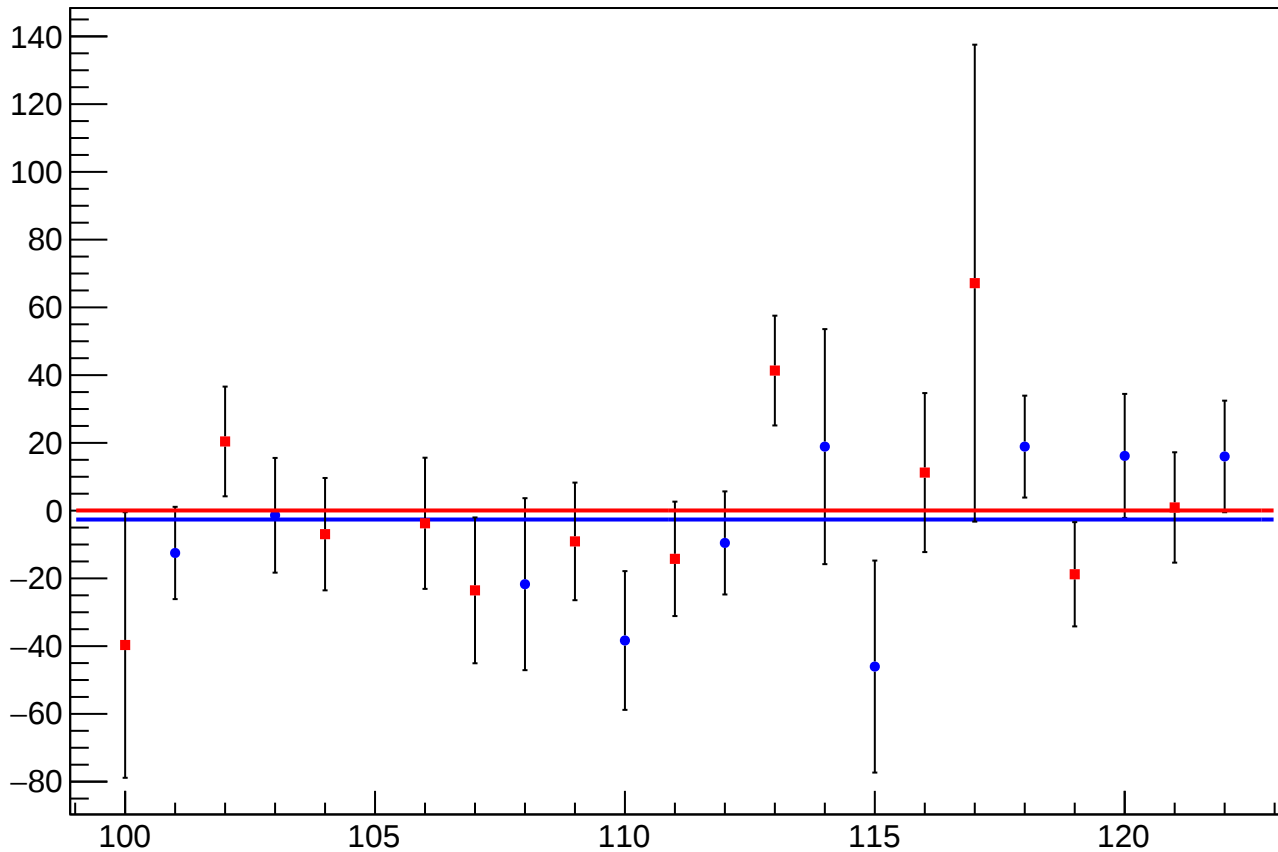
Right Out: 5718.391+/-2.265  $\chi^2/\text{NDF}$ : 1903388.5/11

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

8625.727+/-3.187  $\chi^2/\text{NDF}$ : 305656.4/9

5718.391+/-2.265  $\chi^2/\text{NDF}$ : 1903388.5/11

# diff\_bpm11X\_mean vs Slug



Right In: -2.625+/-5.766  $\chi^2/\text{NDF}$ : 11.0/9

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

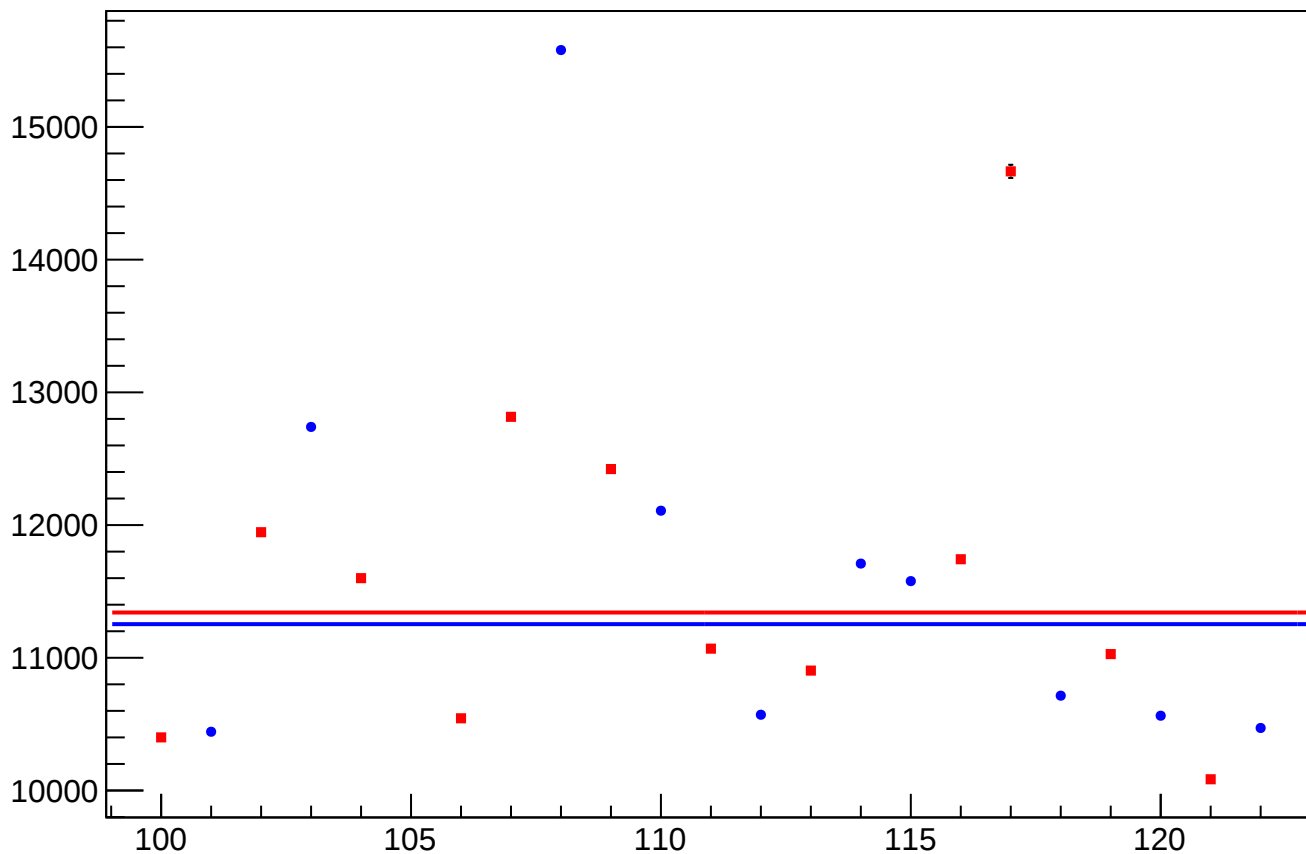
Right Out: 0.049+/-5.458  $\chi^2/\text{NDF}$ : 14.2/11

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

-2.625+/-5.766  $\chi^2/\text{NDF}$ : 11.0/9

0.049+/-5.458  $\chi^2/\text{NDF}$ : 14.2/11

# diff\_bpm11X\_rms vs Slug



Right In: 11253.469+/-4.077  $\chi^2/\text{NDF}$ : 98562.9/9

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

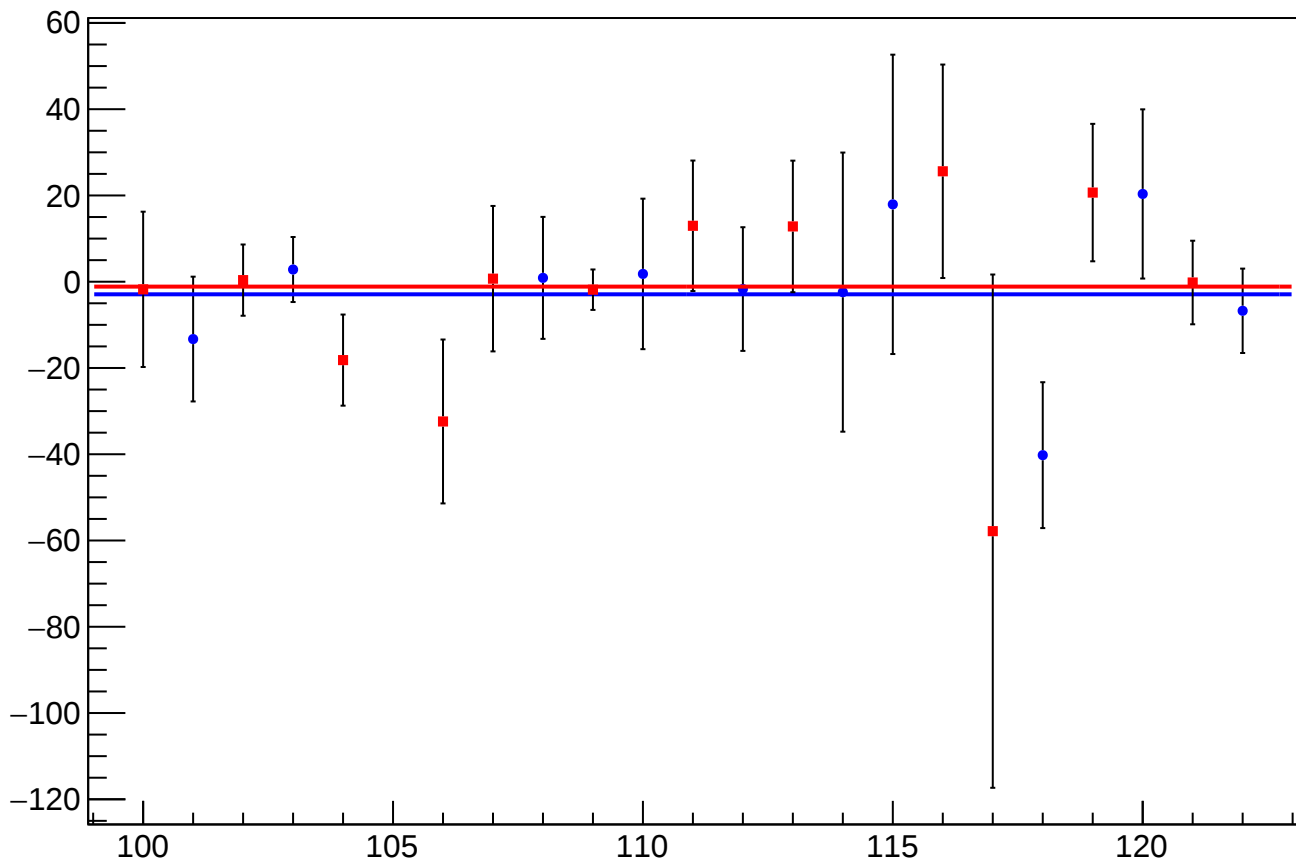
Right Out: 11341.156+/-3.859  $\chi^2/\text{NDF}$ : 44712.6/11

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

11253.469+/-4.077  $\chi^2/\text{NDF}$ : 98562.9/9

11341.156+/-3.859  $\chi^2/\text{NDF}$ : 44712.6/11

# diff\_bpm11Y\_mean vs Slug



Right In: -2.919+/-4.309  $\chi^2/\text{NDF}$ : 8.0/9

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

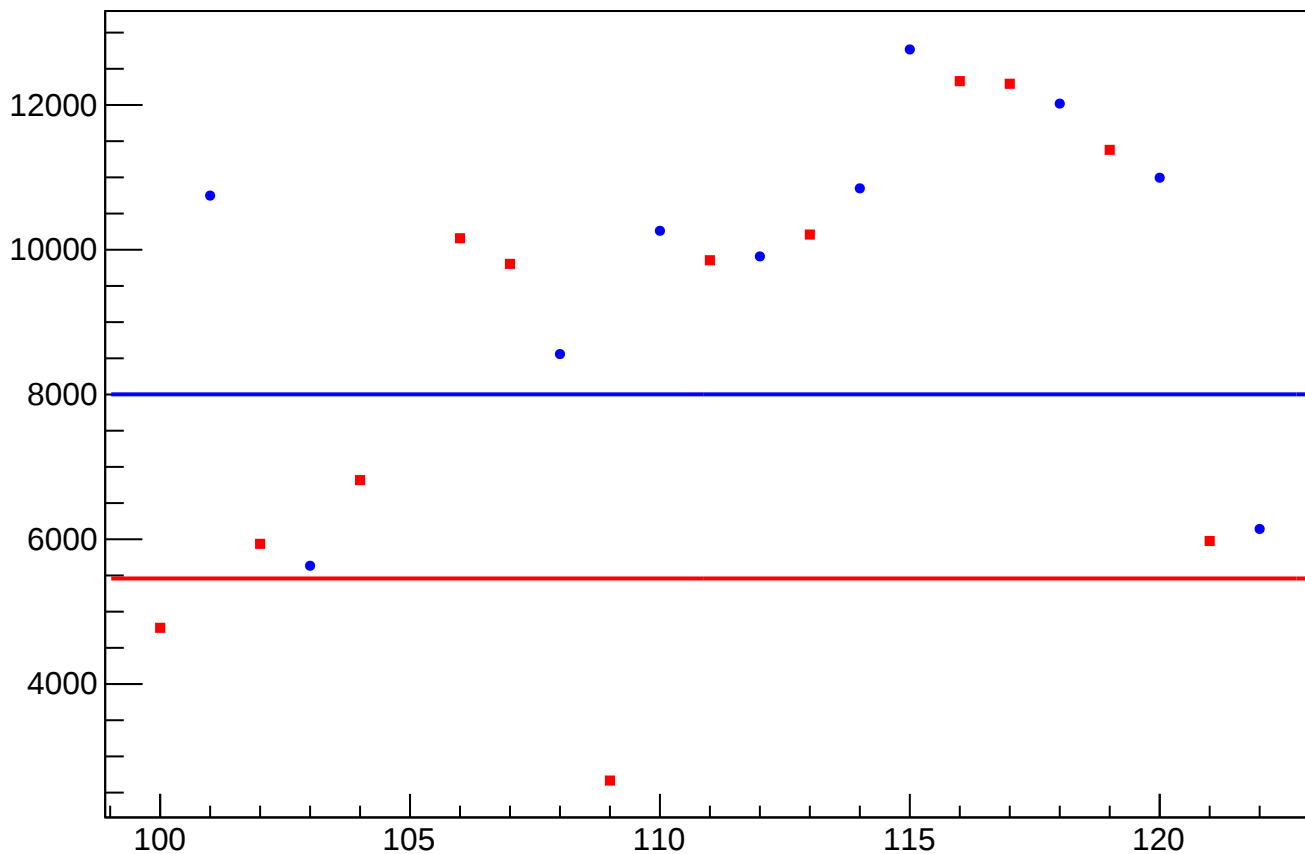
Right Out: -1.134+/-3.106  $\chi^2/\text{NDF}$ : 11.0/11

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

-2.919+/-4.309  $\chi^2/\text{NDF}$ : 8.0/9

-1.134+/-3.106  $\chi^2/\text{NDF}$ : 11.0/11

# diff\_bpm11Y\_rms vs Slug



Right In: 8002.340+/-3.047  $\chi^2/\text{NDF}$ : 626157.1/9

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

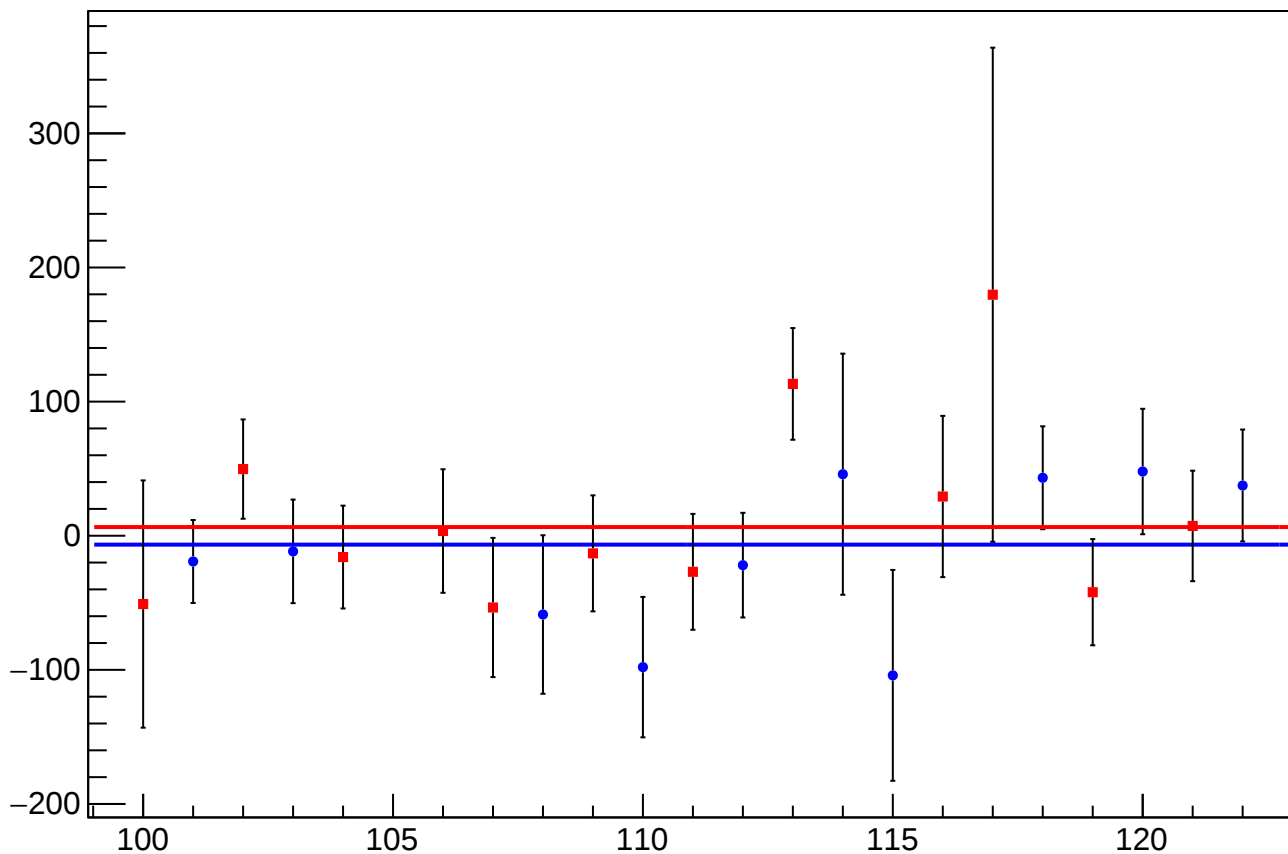
Right Out: 5458.261+/-2.196  $\chi^2/\text{NDF}$ : 1832983.2/11

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

8002.340+/-3.047  $\chi^2/\text{NDF}$ : 626157.1/9

5458.261+/-2.196  $\chi^2/\text{NDF}$ : 1832983.2/11

# diff\_bpm12X\_mean vs Slug



Right In: -6.636+/-14.114  $\chi^2/\text{NDF}$ : 10.2/9

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

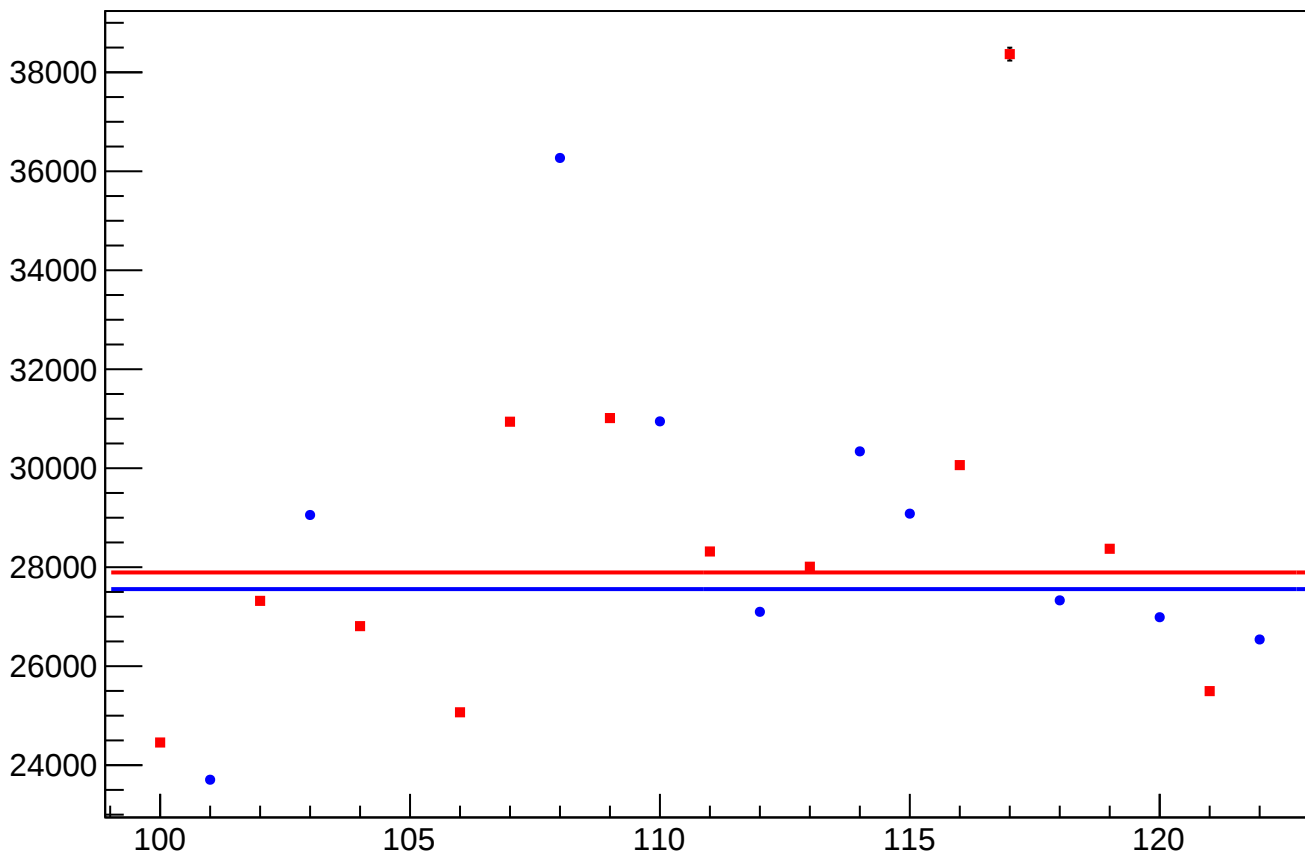
Right Out: 6.476+/-13.422  $\chi^2/\text{NDF}$ : 13.3/11

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

-6.636+/-14.114  $\chi^2/\text{NDF}$ : 10.2/9

6.476+/-13.422  $\chi^2/\text{NDF}$ : 13.3/11

# diff\_bpm12X\_rms vs Slug



Right In: 27557.395+/-9.980  $\chi^2/\text{NDF}$ : 90362.4/9

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

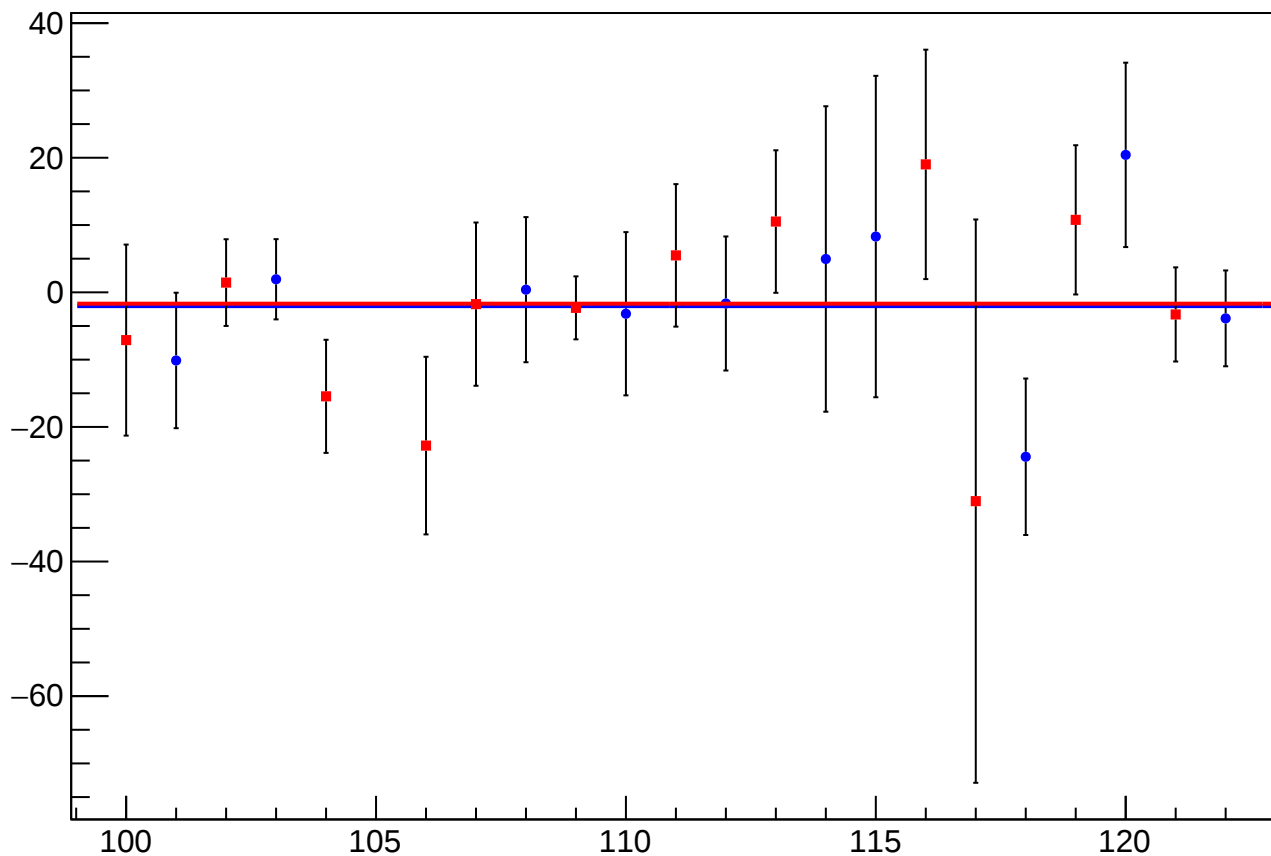
Right Out: 27893.744+/-9.491  $\chi^2/\text{NDF}$ : 46024.1/11

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

27557.395+/-9.980  $\chi^2/\text{NDF}$ : 90362.4/9

27893.744+/-9.491  $\chi^2/\text{NDF}$ : 46024.1/11

# diff\_bpm12Y\_mean vs Slug



Right In: -2.050+/-3.168  $\chi^2/\text{NDF}$ : 7.9/9

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

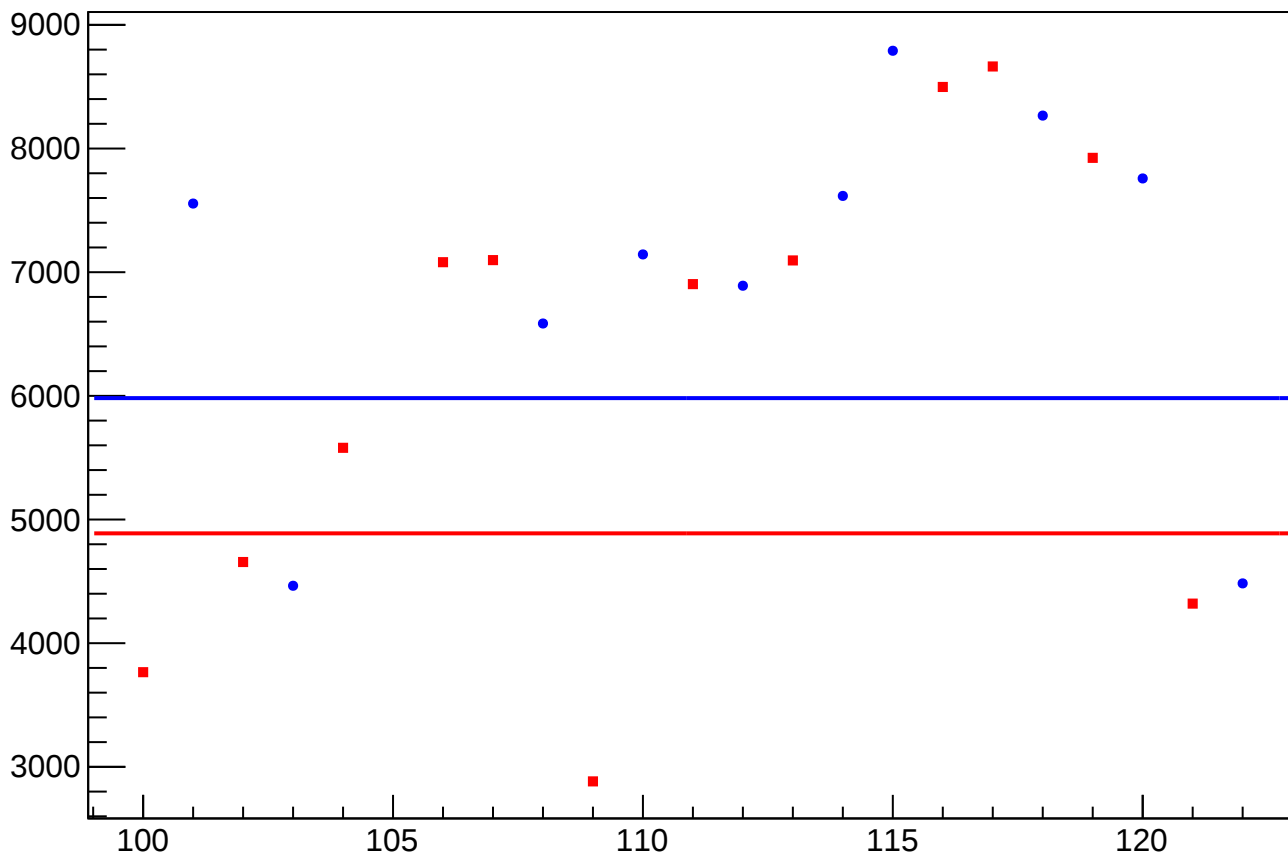
Right Out: -1.687+/-2.566  $\chi^2/\text{NDF}$ : 10.7/11

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

-2.050+/-3.168  $\chi^2/\text{NDF}$ : 7.9/9

-1.687+/-2.566  $\chi^2/\text{NDF}$ : 10.7/11

# diff\_bpm12Y\_rms vs Slug



Right In: 5981.784+/-2.240  $\chi^2/\text{NDF}$ : 457169.2/9

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

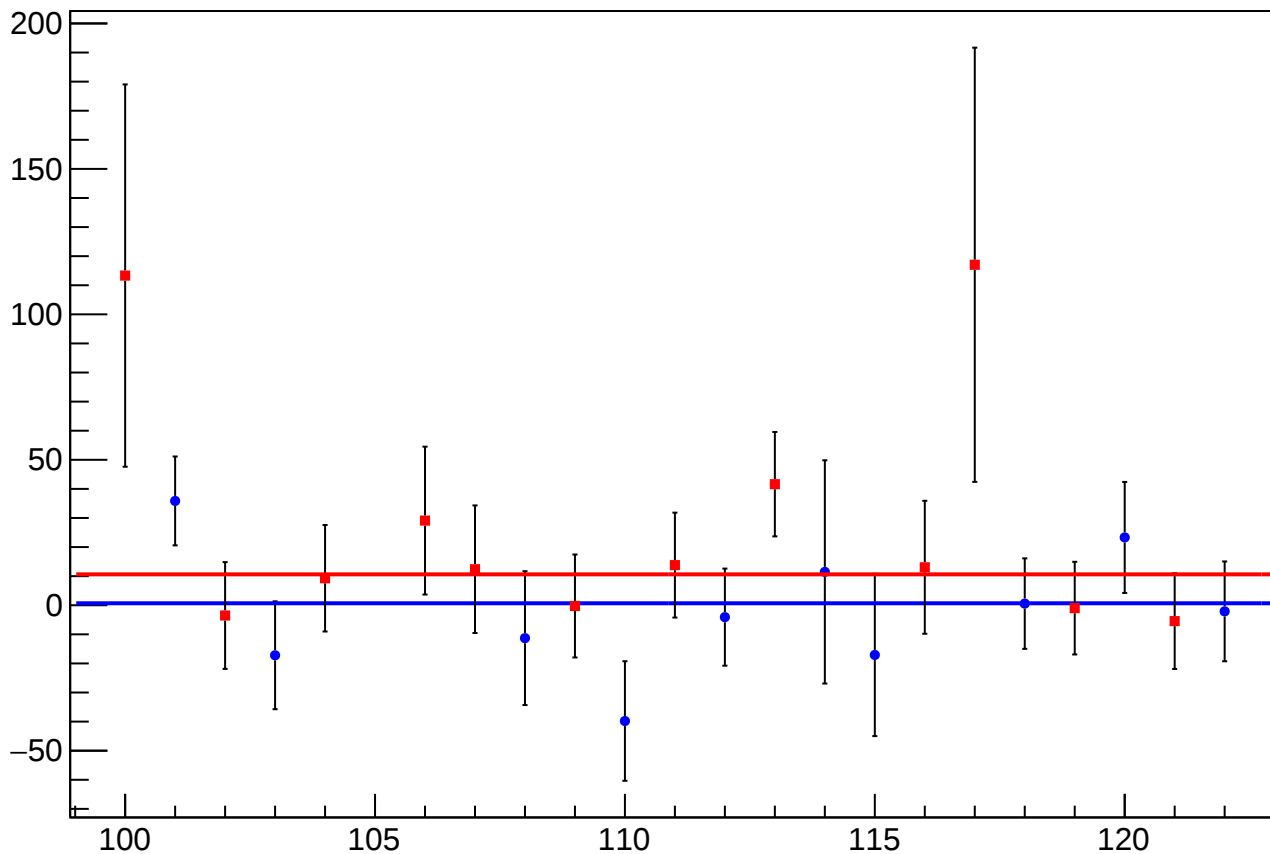
Right Out: 4888.169+/-1.815  $\chi^2/\text{NDF}$ : 946089.2/11

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

5981.784+/-2.240  $\chi^2/\text{NDF}$ : 457169.2/9

4888.169+/-1.815  $\chi^2/\text{NDF}$ : 946089.2/11

# diff\_bpm16X\_mean vs Slug



Right In: 0.679 $\pm$ 6.054  $\chi^2$ /NDF: 12.4/9

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

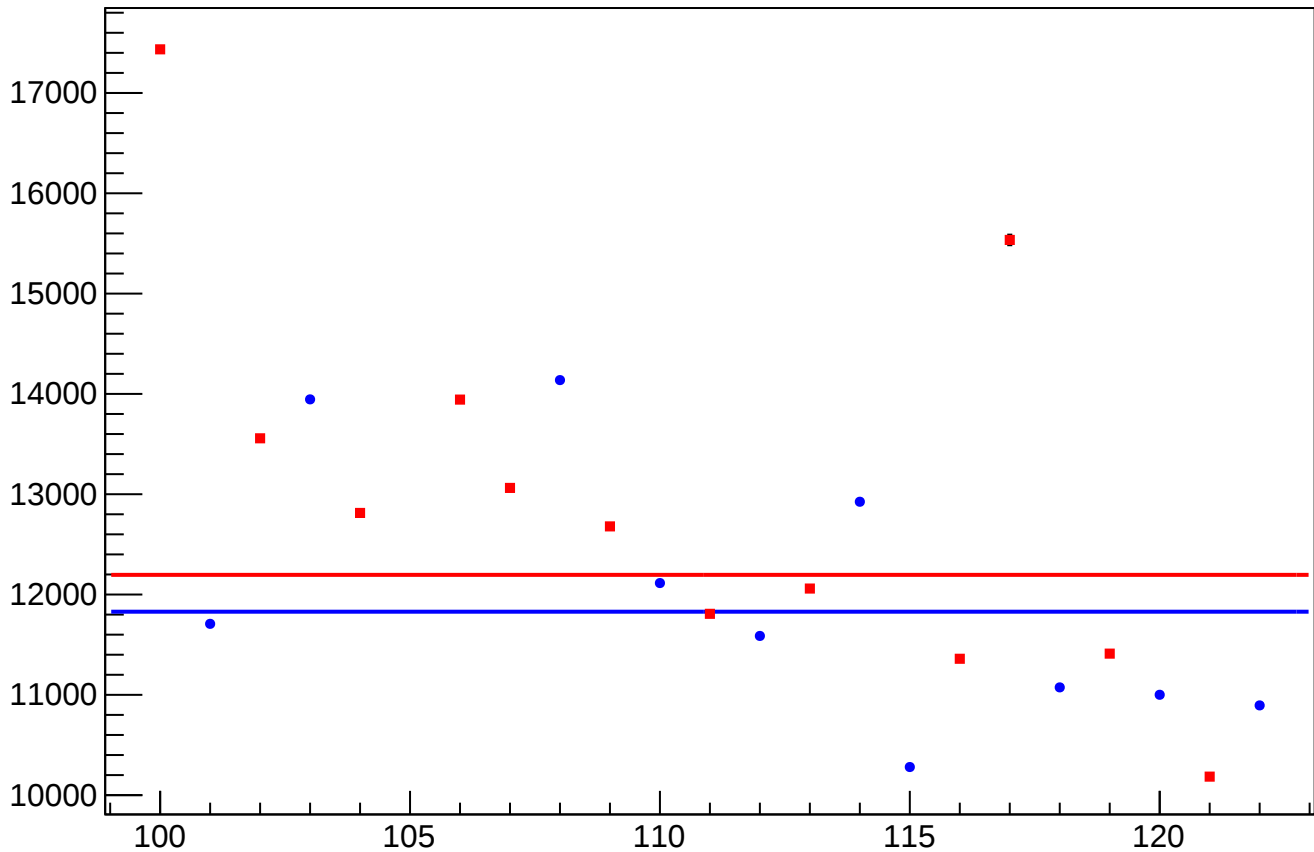
Right Out: 10.621 $\pm$ 5.881  $\chi^2$ /NDF: 10.5/11

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

0.679 $\pm$ 6.054  $\chi^2$ /NDF: 12.4/9

10.621 $\pm$ 5.881  $\chi^2$ /NDF: 10.5/11

# diff\_bpm16X\_rms vs Slug



Right In: 11828.875+/-4.281  $\chi^2/\text{NDF}$ : 69345.6/9

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

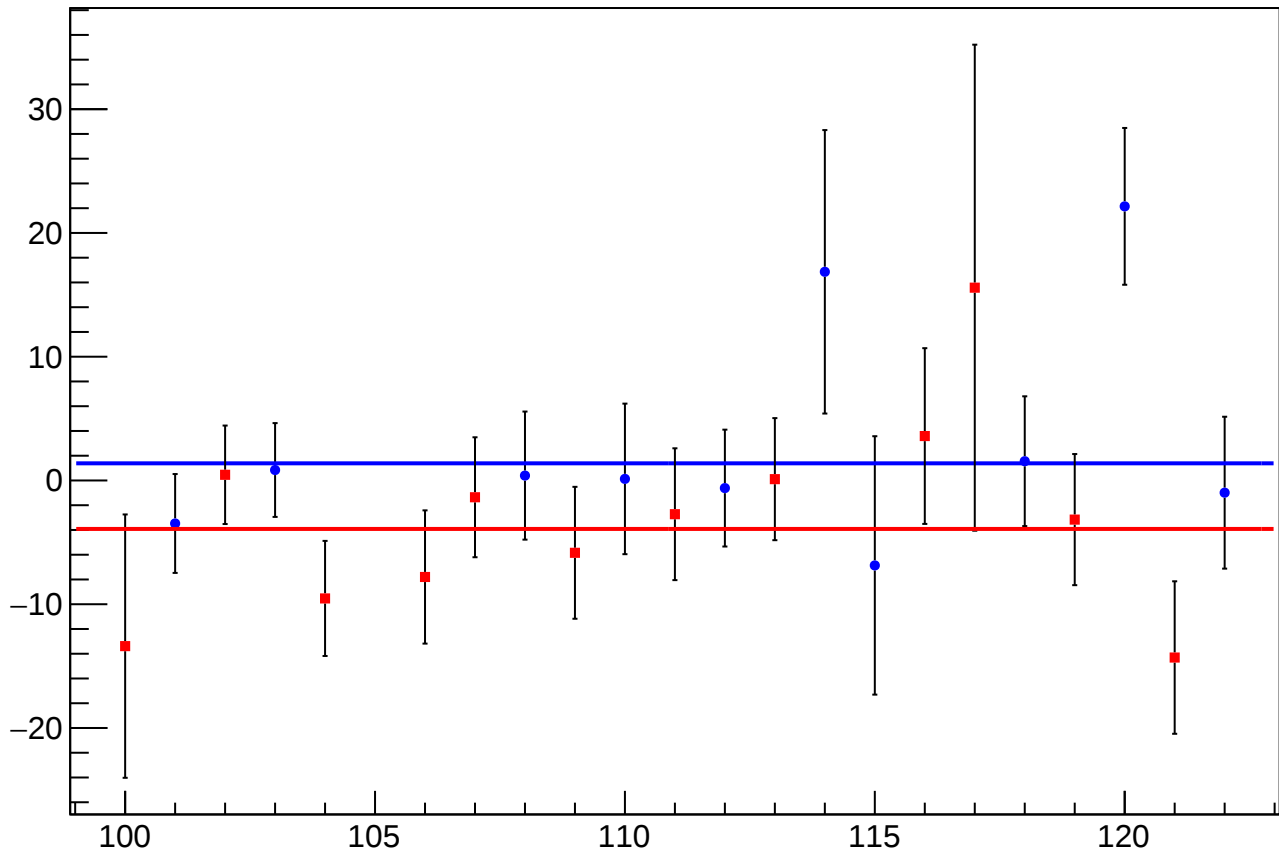
Right Out: 12196.106+/-4.158  $\chi^2/\text{NDF}$ : 82533.4/11

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

11828.875+/-4.281  $\chi^2/\text{NDF}$ : 69345.6/9

12196.106+/-4.158  $\chi^2/\text{NDF}$ : 82533.4/11

# diff\_bpm16Y\_mean vs Slug



Right In: 1.385+/-1.700  $\chi^2/\text{NDF}$ : 15.1/9

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

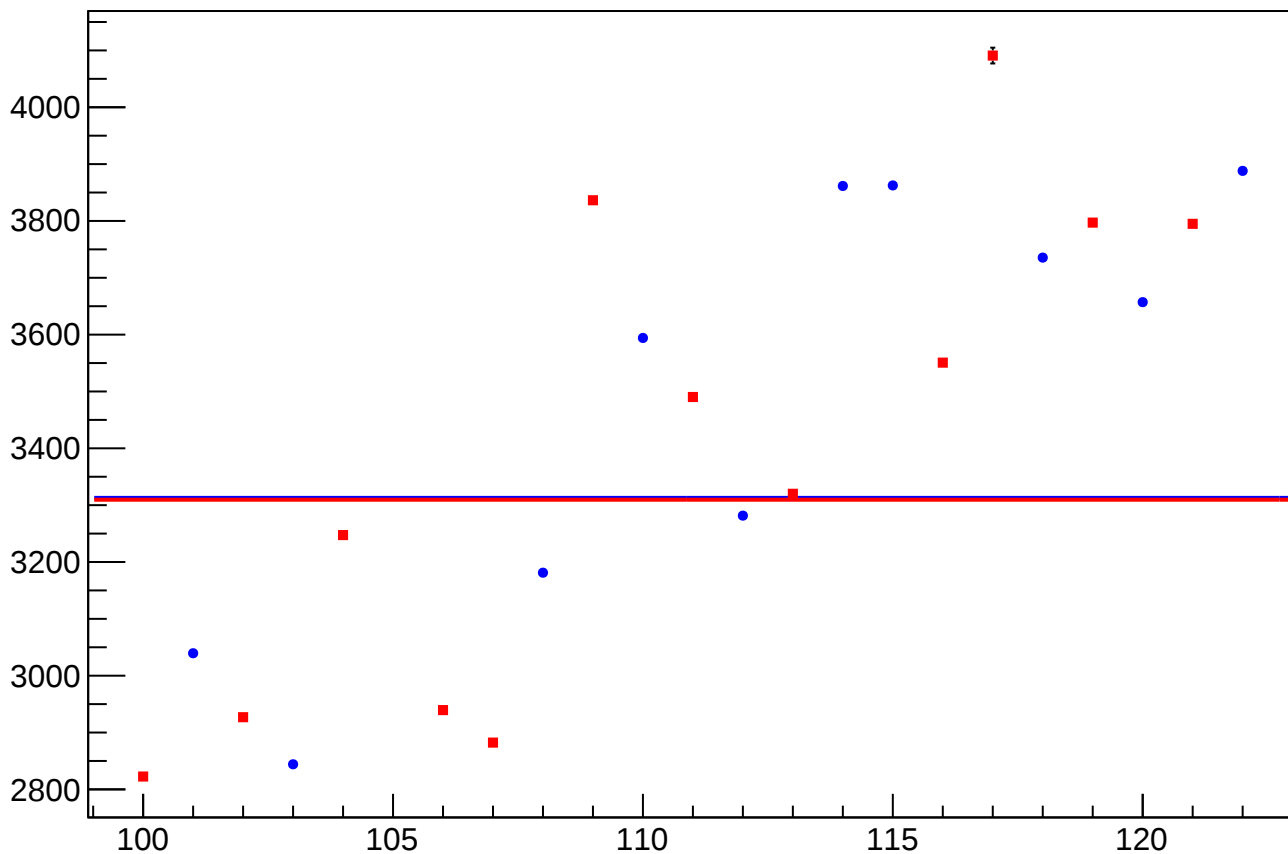
Right Out: -3.916+/-1.599  $\chi^2/\text{NDF}$ : 10.1/11

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

1.385+/-1.700  $\chi^2/\text{NDF}$ : 15.1/9

-3.916+/-1.599  $\chi^2/\text{NDF}$ : 10.1/11

# diff\_bpm16Y\_rms vs Slug



Right In: 3312.808 $\pm$ 1.202  $\chi^2$ /NDF: 92225.9/9

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

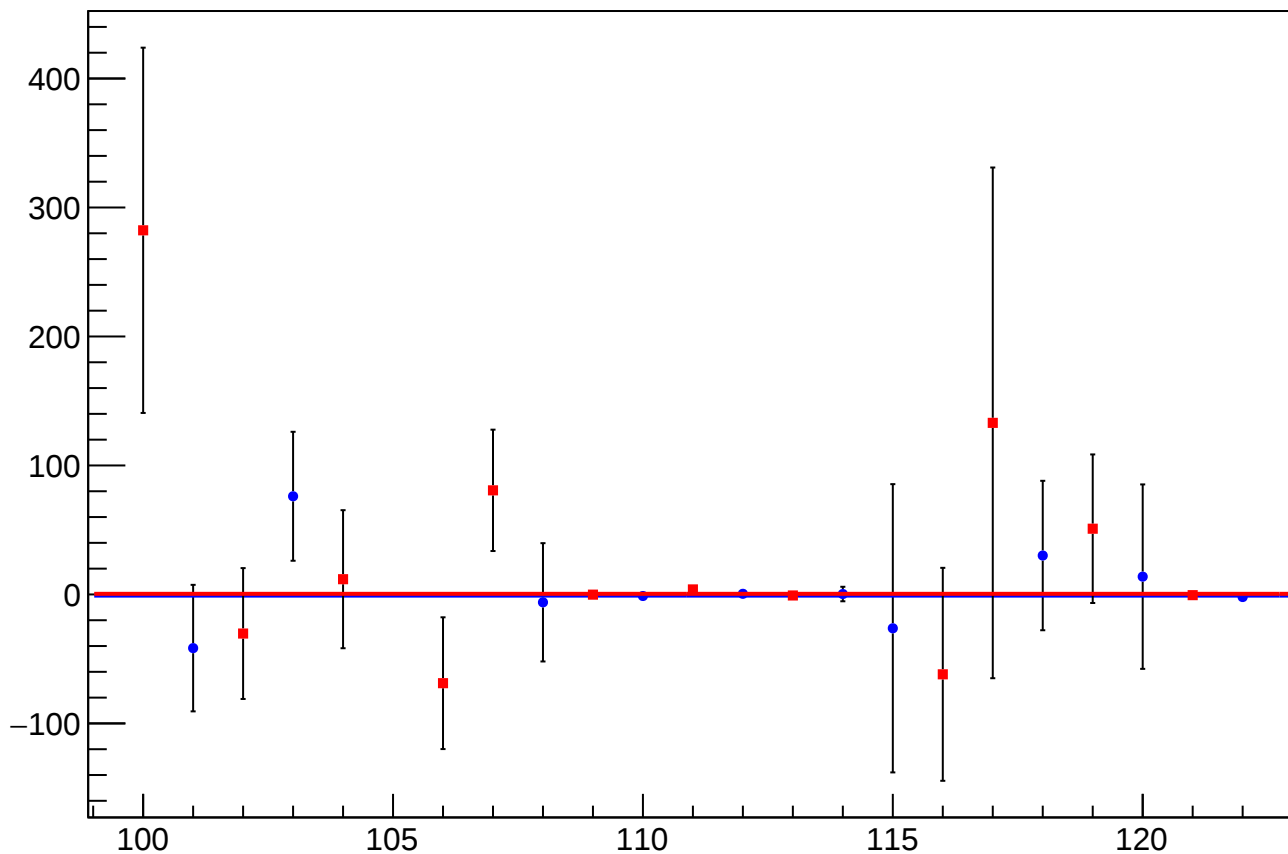
Right Out: 3309.569 $\pm$ 1.130  $\chi^2$ /NDF: 104724.0/11

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

3312.808 $\pm$ 1.202  $\chi^2$ /NDF: 92225.9/9

3309.569 $\pm$ 1.130  $\chi^2$ /NDF: 104724.0/11

# diff\_bpm1p02bX\_mean vs Slug



Right In: -0.904+/-1.418  $\chi^2$ /NDF: 4.1/9

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

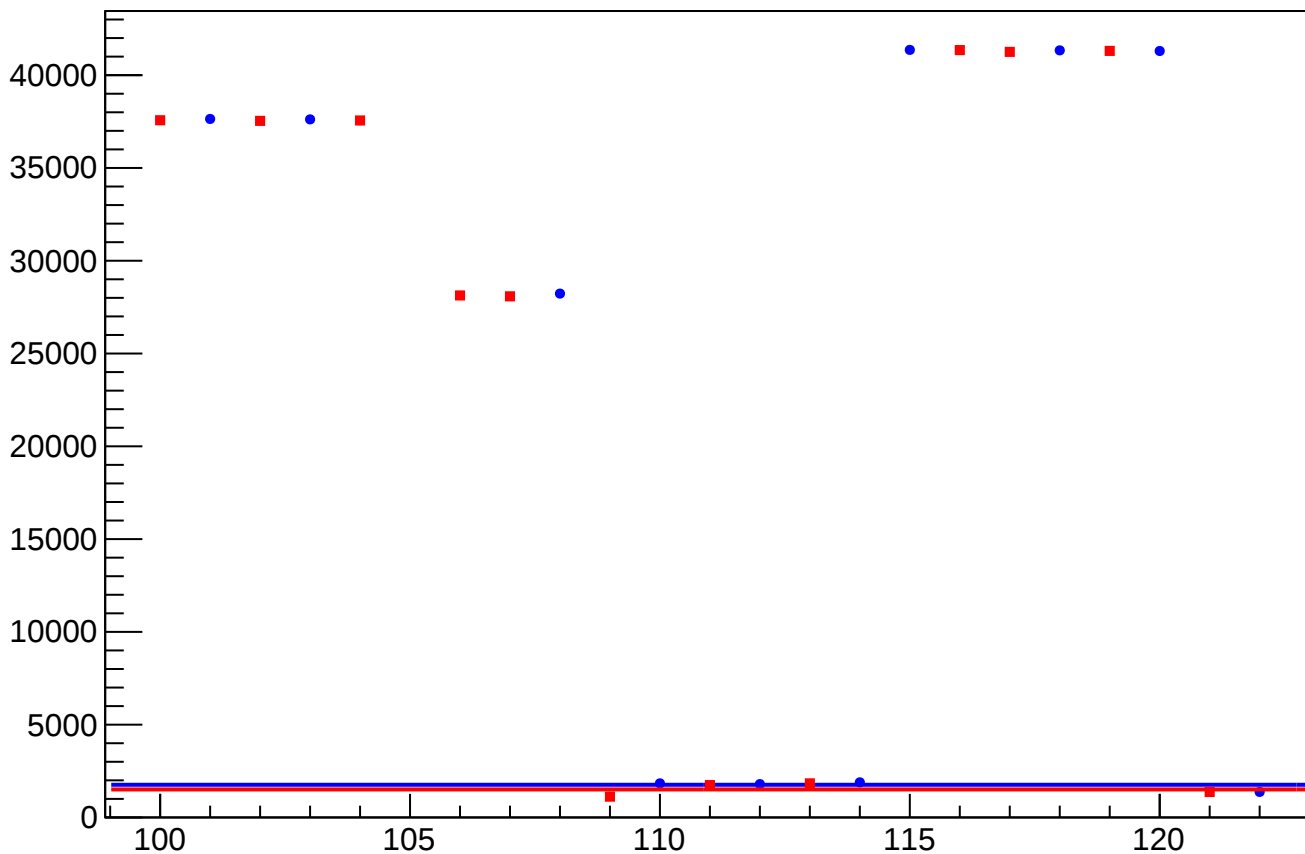
Right Out: 0.475+/-1.170  $\chi^2$ /NDF: 13.0/11

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

-0.904+/-1.418  $\chi^2$ /NDF: 4.1/9

0.475+/-1.170  $\chi^2$ /NDF: 13.0/11

# diff\_bpm1p02bX\_rms vs Slug



Right In: 1761.382+/-1.003  $\chi^2/\text{NDF}$ : 4627337.7/9

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

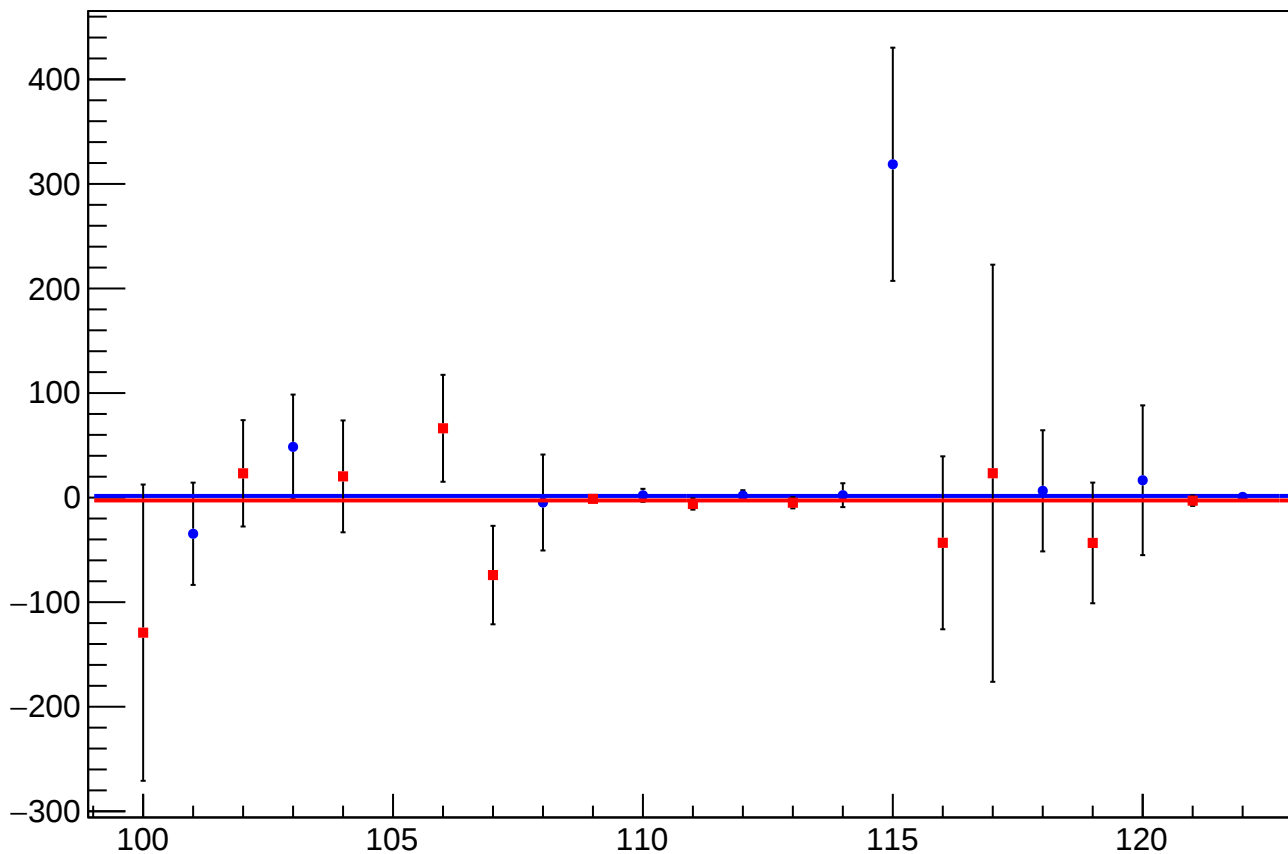
Right Out: 1509.806+/-0.827  $\chi^2/\text{NDF}$ : 4877868.8/11

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

1761.382+/-1.003  $\chi^2/\text{NDF}$ : 4627337.7/9

1509.806+/-0.827  $\chi^2/\text{NDF}$ : 4877868.8/11

# diff\_bpm1p02bY\_mean vs Slug



Right In: 1.611+/-2.636  $\chi^2/\text{NDF}$ : 9.7/9

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

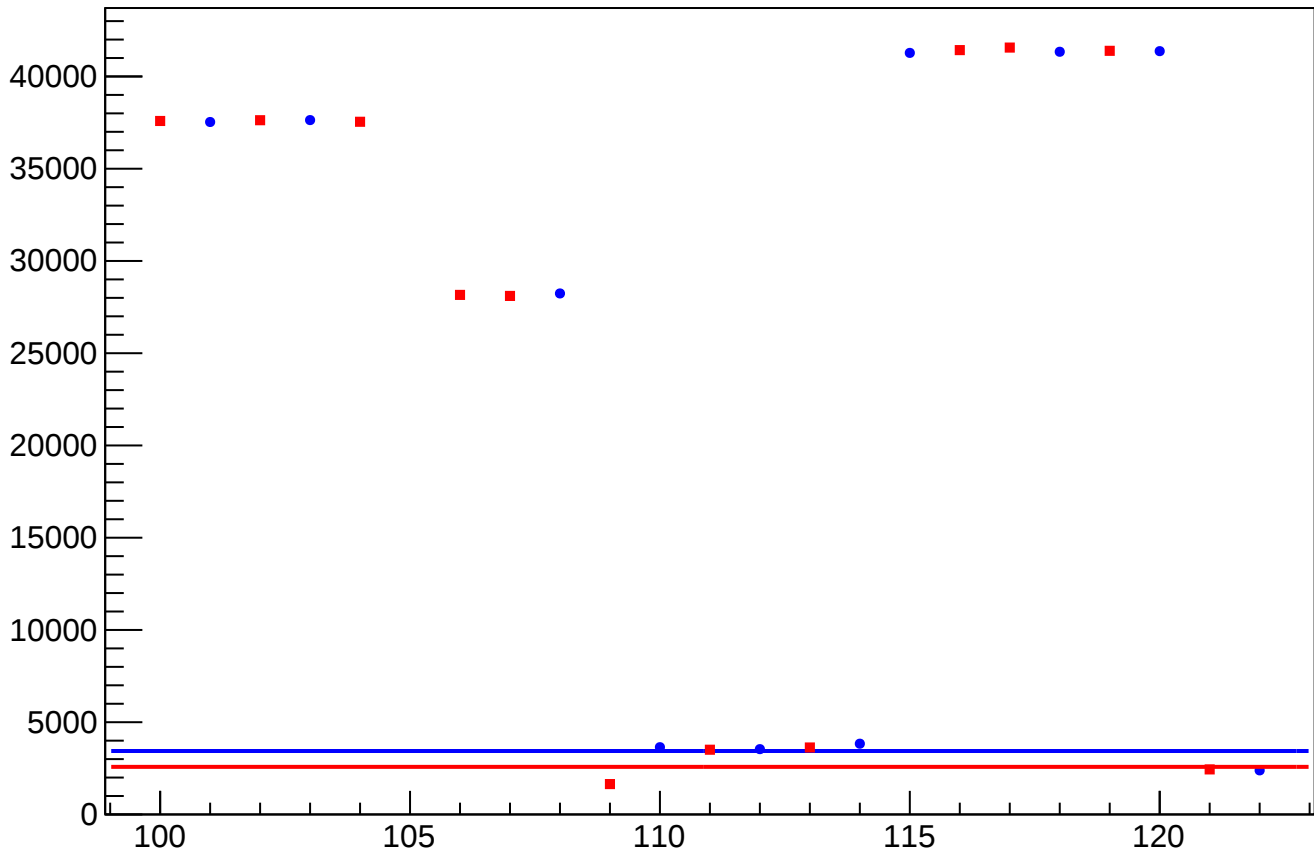
Right Out: -2.711+/-2.002  $\chi^2/\text{NDF}$ : 7.0/11

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

1.611+/-2.636  $\chi^2/\text{NDF}$ : 9.7/9

-2.711+/-2.002  $\chi^2/\text{NDF}$ : 7.0/11

# diff\_bpm1p02bY\_rms vs Slug



Right In: 3439.132+/-1.864  $\chi^2/\text{NDF}$ : 4298913.1/9

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

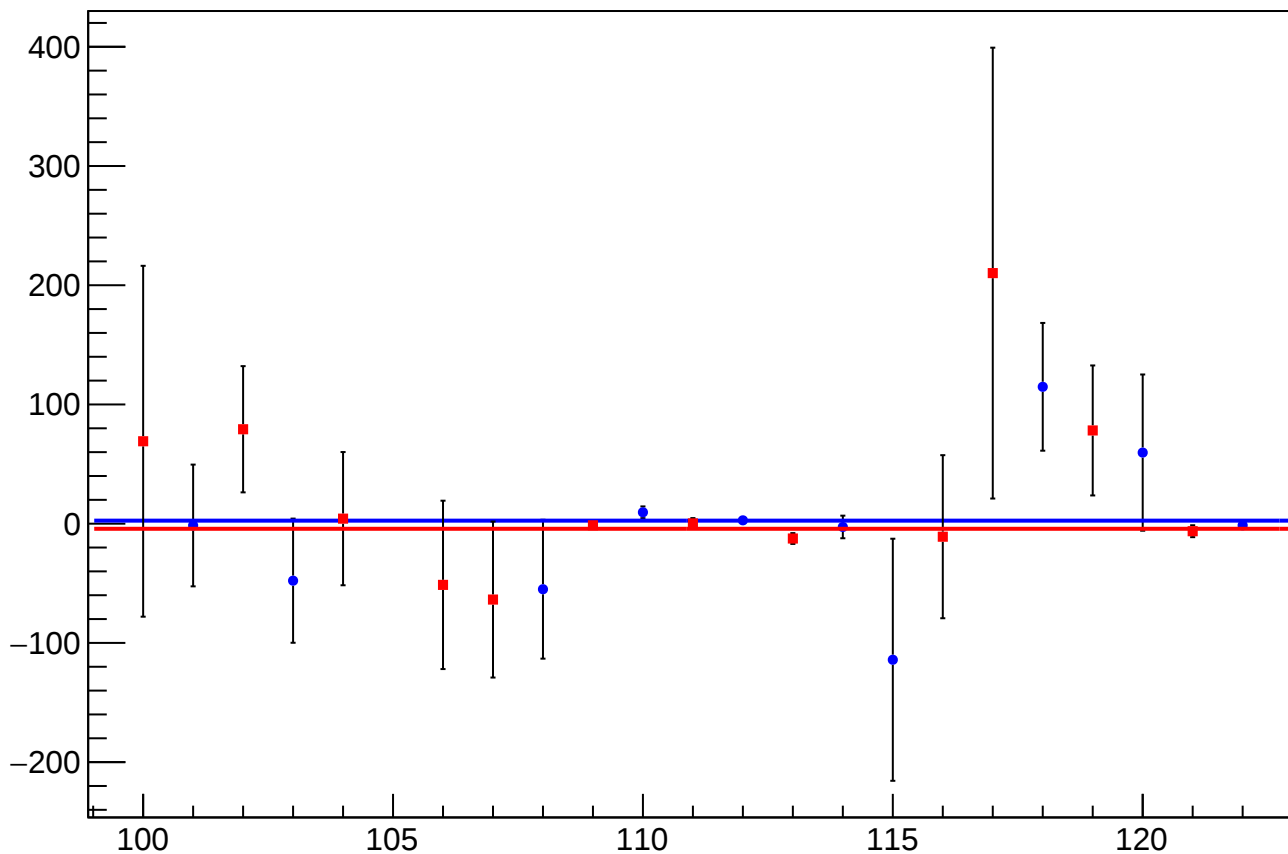
3439.132+/-1.864  $\chi^2/\text{NDF}$ : 4298913.1/9

Right Out: 2579.717+/-1.416  $\chi^2/\text{NDF}$ : 4815331.4/11

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

2579.717+/-1.416  $\chi^2/\text{NDF}$ : 4815331.4/11

# diff\_bpm1p03aX\_mean vs Slug



Right In: 2.552+/-2.402  $\chi^2/\text{NDF}$ : 11.7/9

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

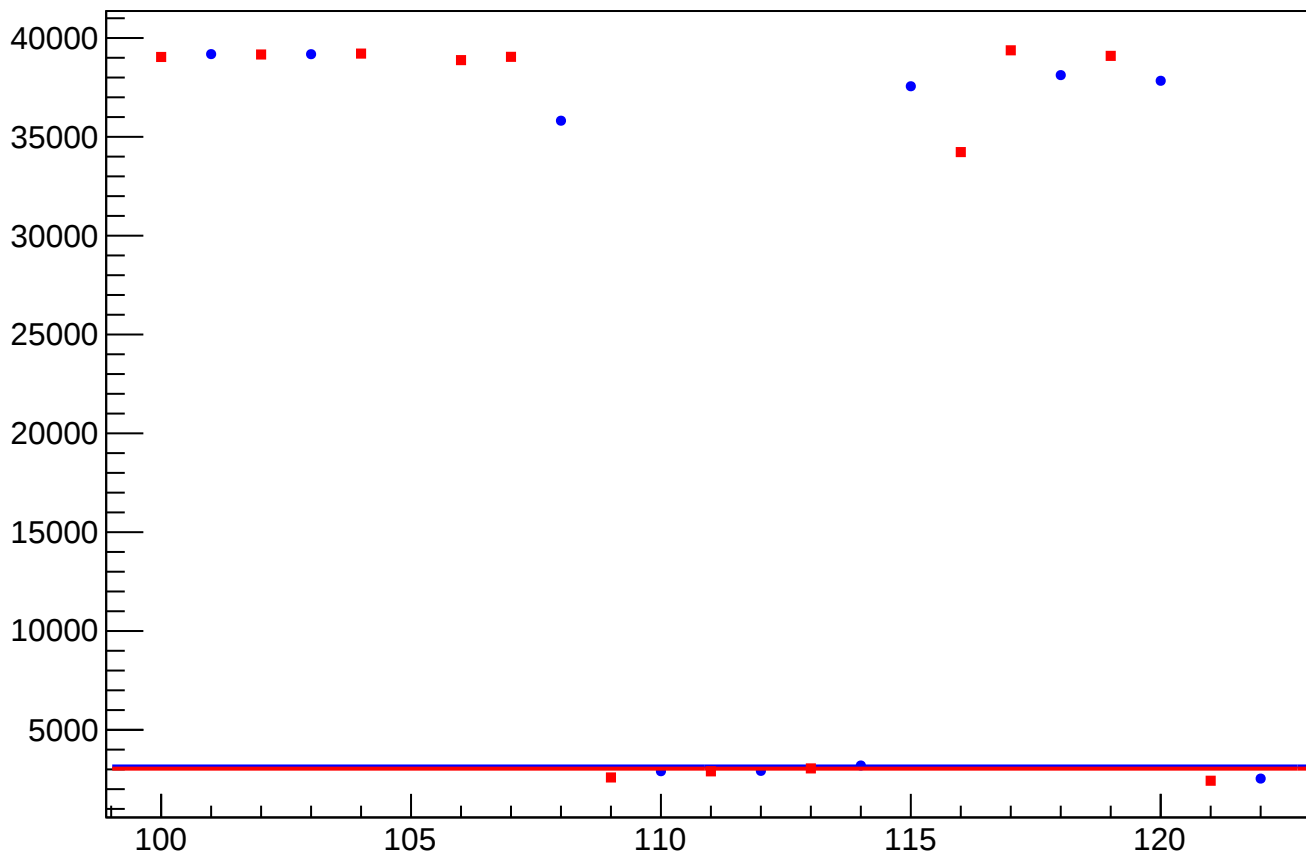
Right Out: -4.282+/-2.181  $\chi^2/\text{NDF}$ : 12.7/11

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

2.552+/-2.402  $\chi^2/\text{NDF}$ : 11.7/9

-4.282+/-2.181  $\chi^2/\text{NDF}$ : 12.7/11

# diff\_bpm1p03aX\_rms vs Slug



Right In: 3147.355+/-1.699  $\chi^2/\text{NDF}$ : 4283803.5/9

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

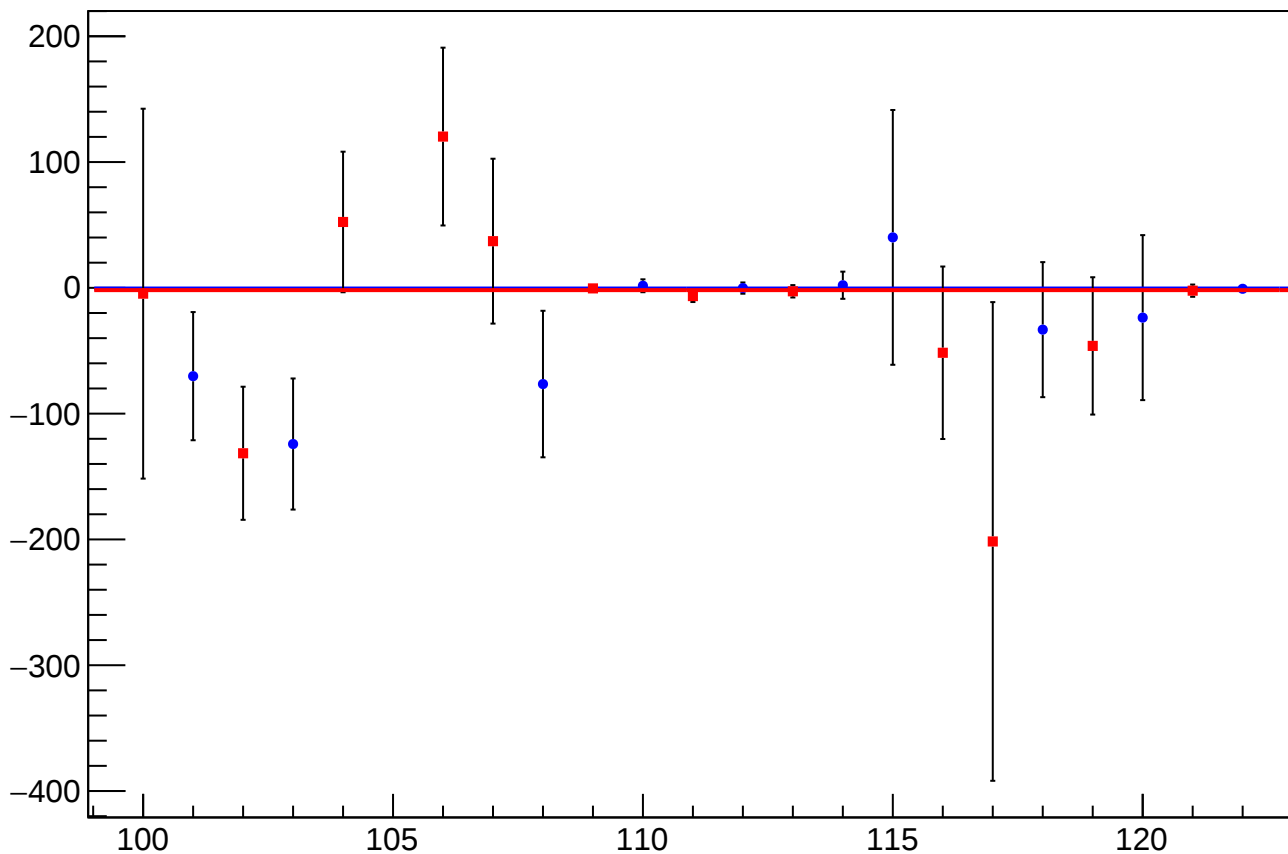
Right Out: 3037.434+/-1.542  $\chi^2/\text{NDF}$ : 4435535.8/11

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

3147.355+/-1.699  $\chi^2/\text{NDF}$ : 4283803.5/9

3037.434+/-1.542  $\chi^2/\text{NDF}$ : 4435535.8/11

# diff\_bpm1p03aY\_mean vs Slug



Right In: -0.542+/-2.366  $\chi^2$ /NDF: 10.1/9

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

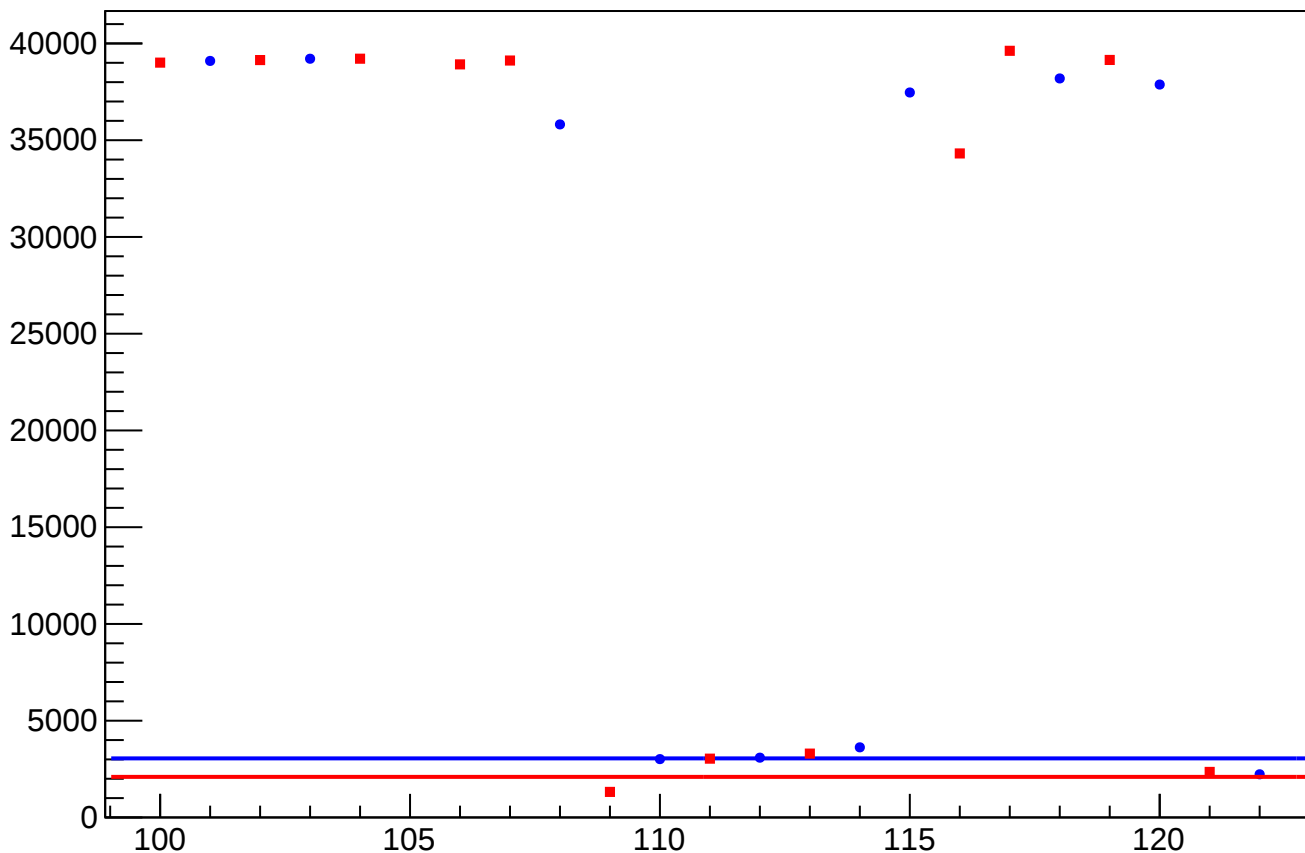
Right Out: -1.818+/-1.708  $\chi^2$ /NDF: 14.0/11

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

-0.542+/-2.366  $\chi^2$ /NDF: 10.1/9

-1.818+/-1.708  $\chi^2$ /NDF: 14.0/11

# diff\_bpm1p03aY\_rms vs Slug



Right In: 3052.648 $\pm$ 1.673  $\chi^2$ /NDF: 4363234.7/9

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

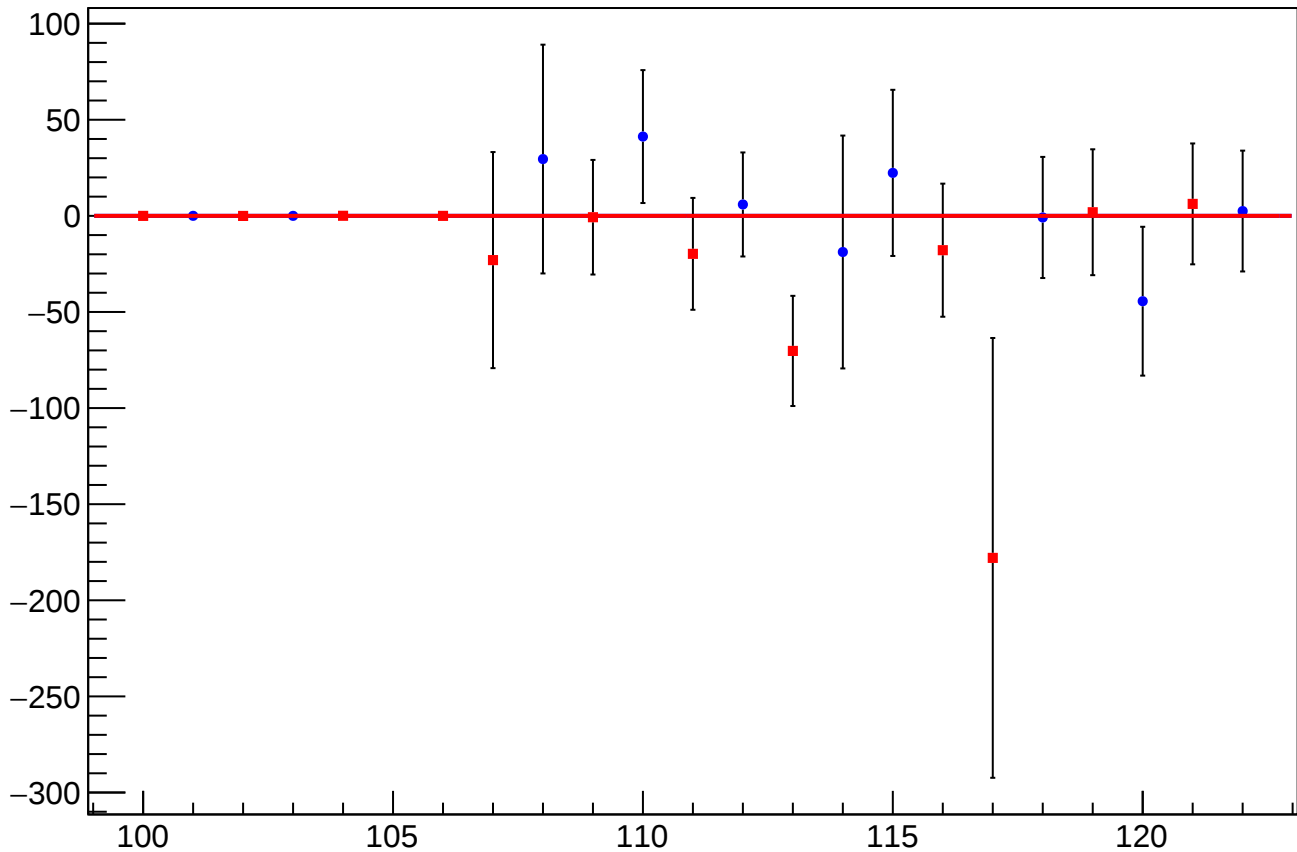
3052.648 $\pm$ 1.673  $\chi^2$ /NDF: 4363234.7/9

Right Out: 2097.002 $\pm$ 1.207  $\chi^2$ /NDF: 5072613.7/11

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

2097.002 $\pm$ 1.207  $\chi^2$ /NDF: 5072613.7/11

# diff\_cav4bX\_mean vs Slug



Right In: 0.013+/-0.017  $\chi^2/\text{NDF}$ : 3.6/9

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

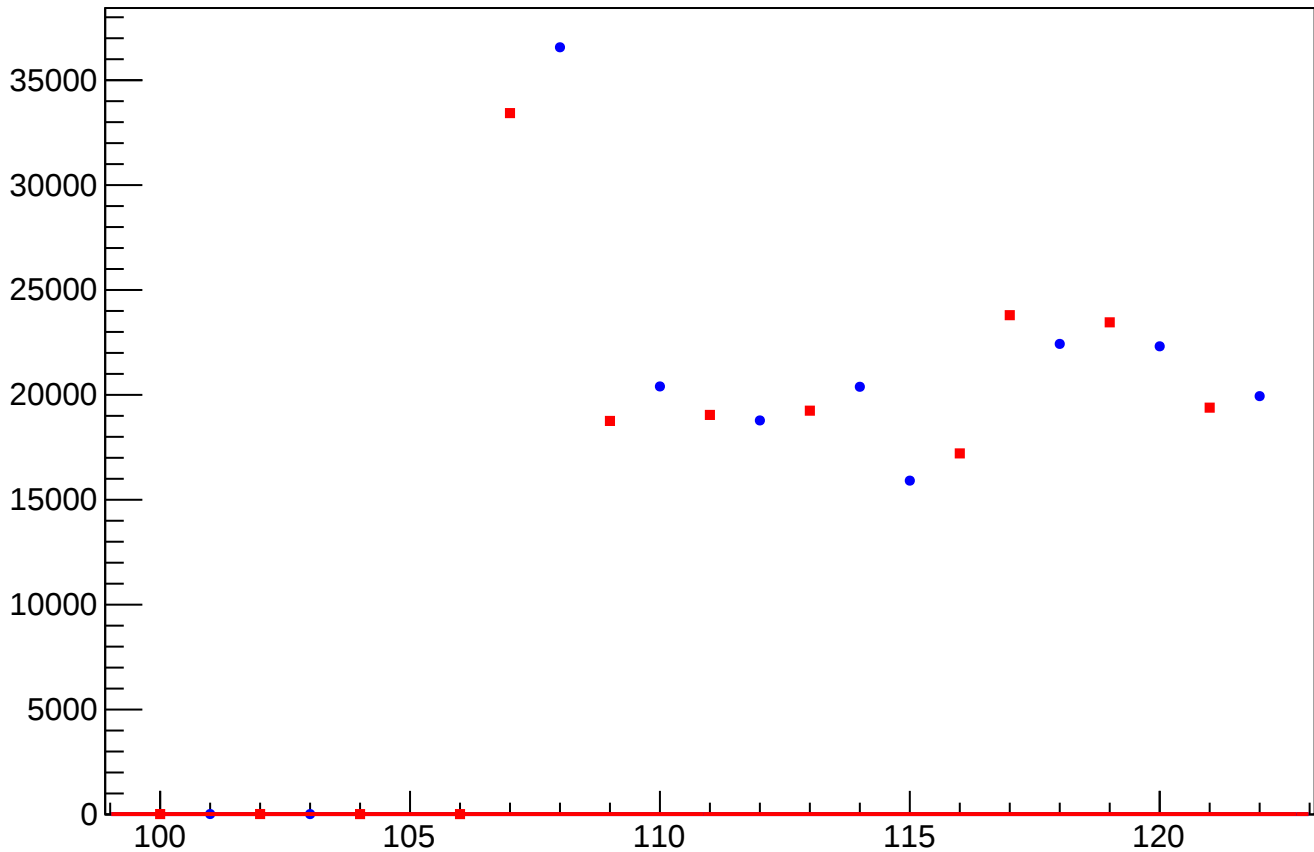
Right Out: 0.003+/-0.016  $\chi^2/\text{NDF}$ : 14.2/11

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

0.013+/-0.017  $\chi^2/\text{NDF}$ : 3.6/9

0.003+/-0.016  $\chi^2/\text{NDF}$ : 14.2/11

# diff\_cav4bX\_rms vs Slug



Right In: 18.598+/-0.012  $\chi^2/\text{NDF}$ : 5398192.2/9

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

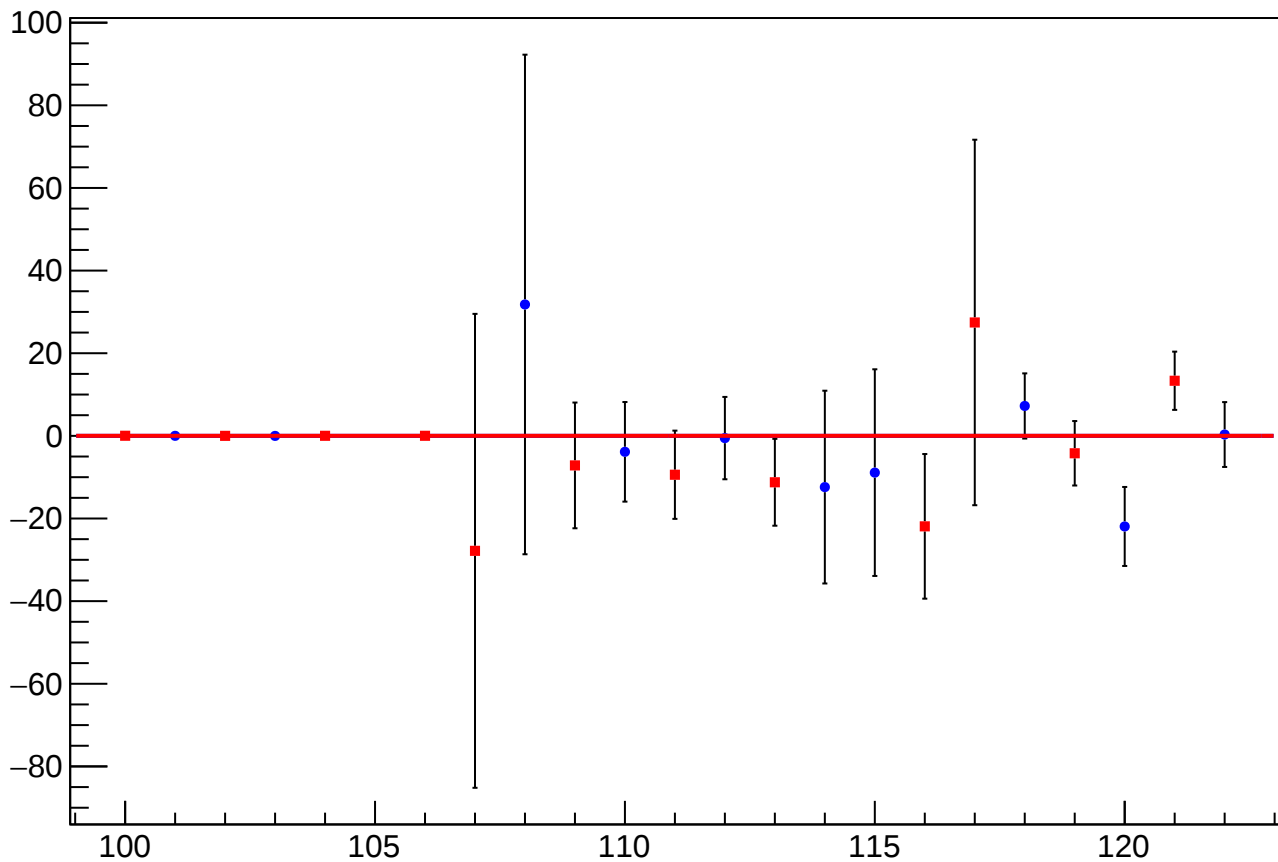
Right Out: 18.277+/-0.011  $\chi^2/\text{NDF}$ : 5628451.3/11

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

18.598+/-0.012  $\chi^2/\text{NDF}$ : 5398192.2/9

18.277+/-0.011  $\chi^2/\text{NDF}$ : 5628451.3/11

# diff\_cav4bY\_mean vs Slug



Right In: 0.001+/-0.009  $\chi^2/\text{NDF}$ : 8.0/9

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

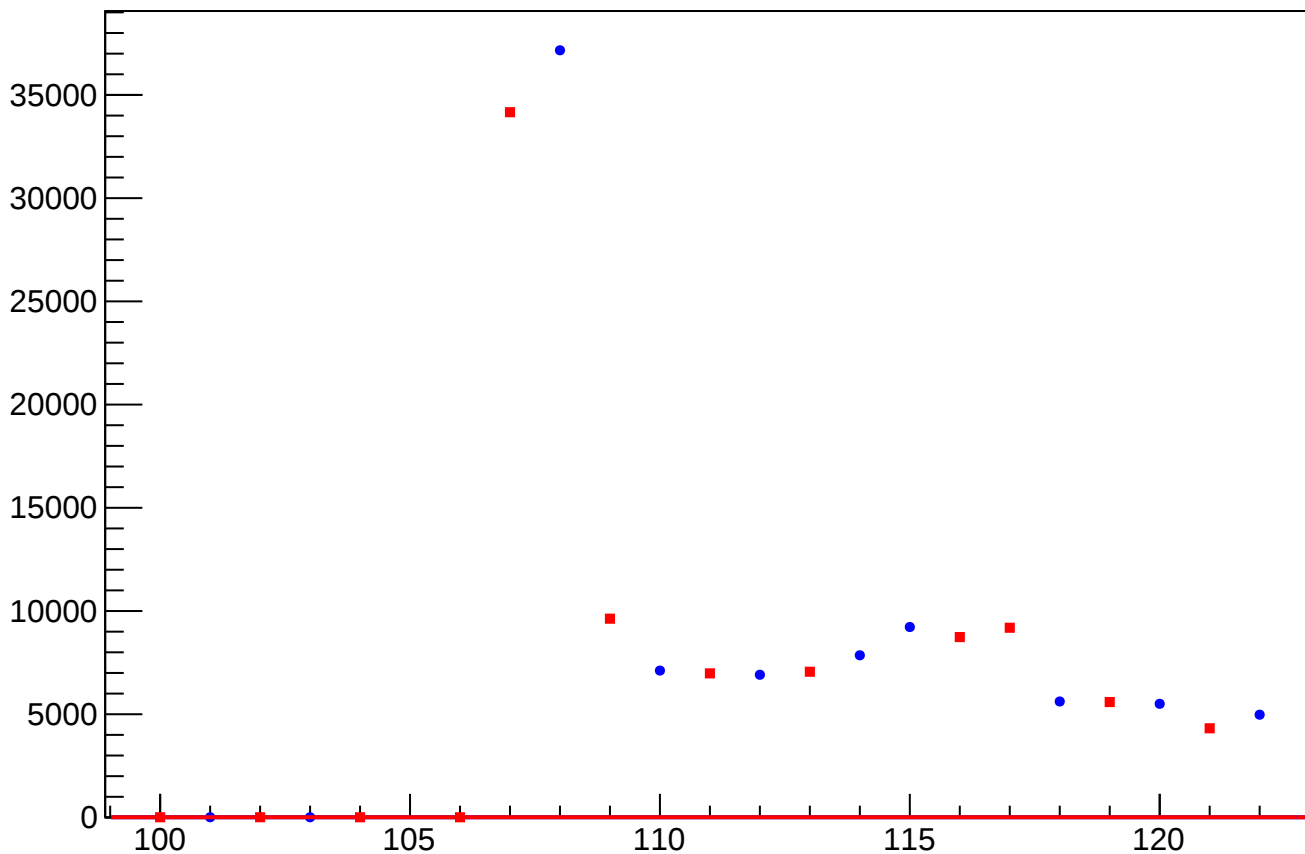
Right Out: 0.014+/-0.009  $\chi^2/\text{NDF}$ : 8.9/11

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

0.001+/-0.009  $\chi^2/\text{NDF}$ : 8.0/9

0.014+/-0.009  $\chi^2/\text{NDF}$ : 8.9/11

# diff\_cav4bY\_rms vs Slug



Right In: 9.888+/-0.007     $\chi^2/\text{NDF}$ : 5392768.8/9

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

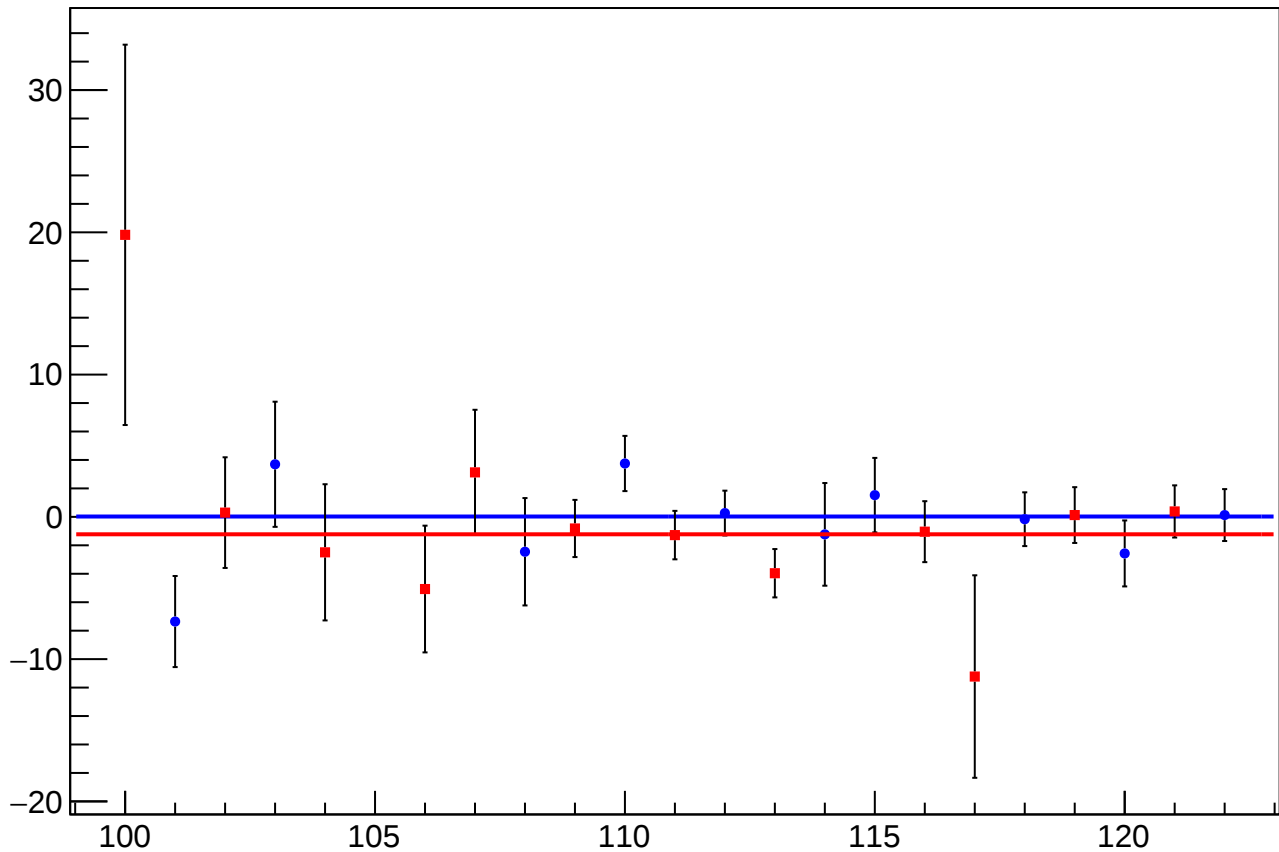
Right Out: 9.810+/-0.006     $\chi^2/\text{NDF}$ : 5629253.7/11

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

9.888+/-0.007     $\chi^2/\text{NDF}$ : 5392768.8/9

9.810+/-0.006     $\chi^2/\text{NDF}$ : 5629253.7/11

# diff\_cav4cX\_mean vs Slug



Right In: 0.024+/-0.730  $\chi^2/\text{NDF}$ : 11.9/9

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

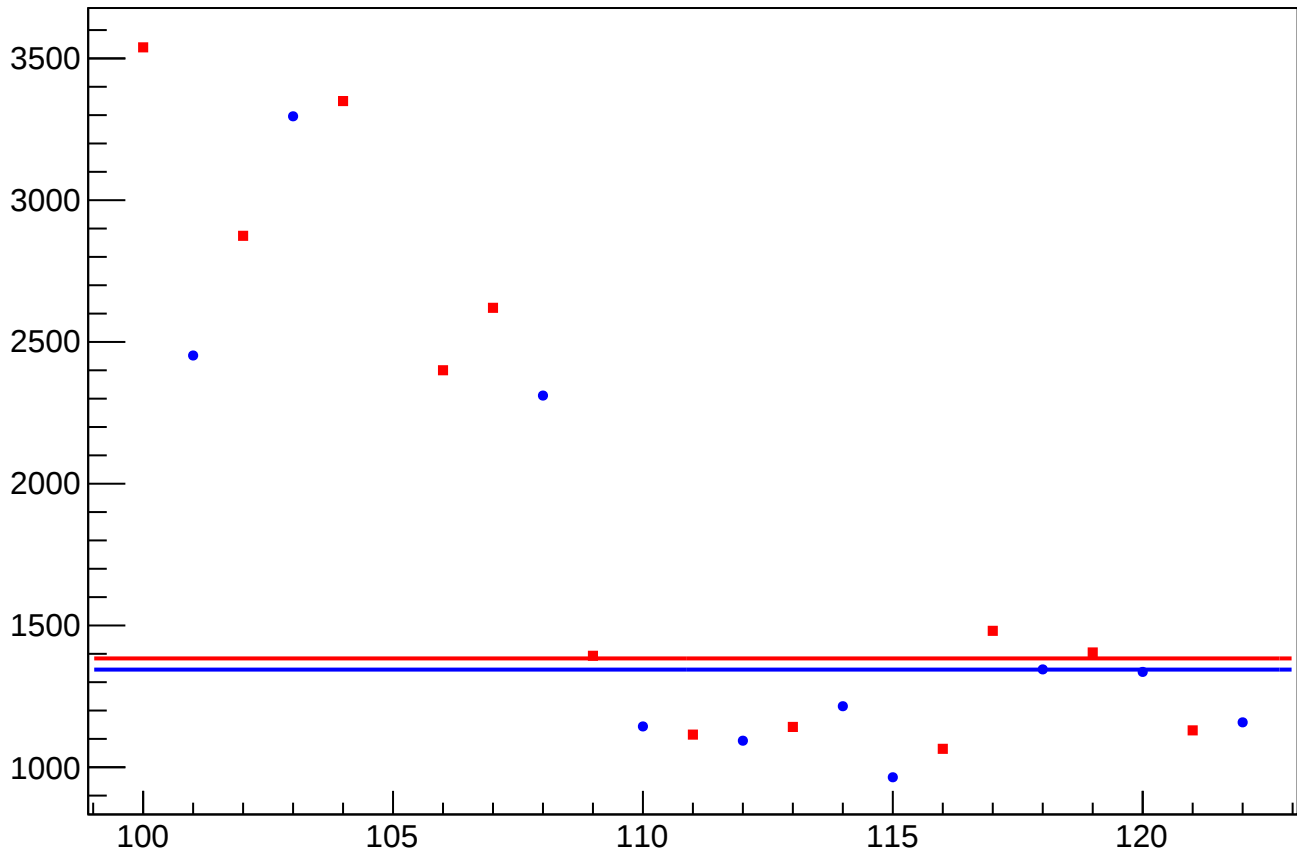
Right Out: -1.225+/-0.716  $\chi^2/\text{NDF}$ : 10.3/11

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

0.024+/-0.730  $\chi^2/\text{NDF}$ : 11.9/9

-1.225+/-0.716  $\chi^2/\text{NDF}$ : 10.3/11

# diff\_cav4cX\_rms vs Slug



Right In: 1344.393+/-0.516  $\chi^2/\text{NDF}$ : 901894.9/9

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

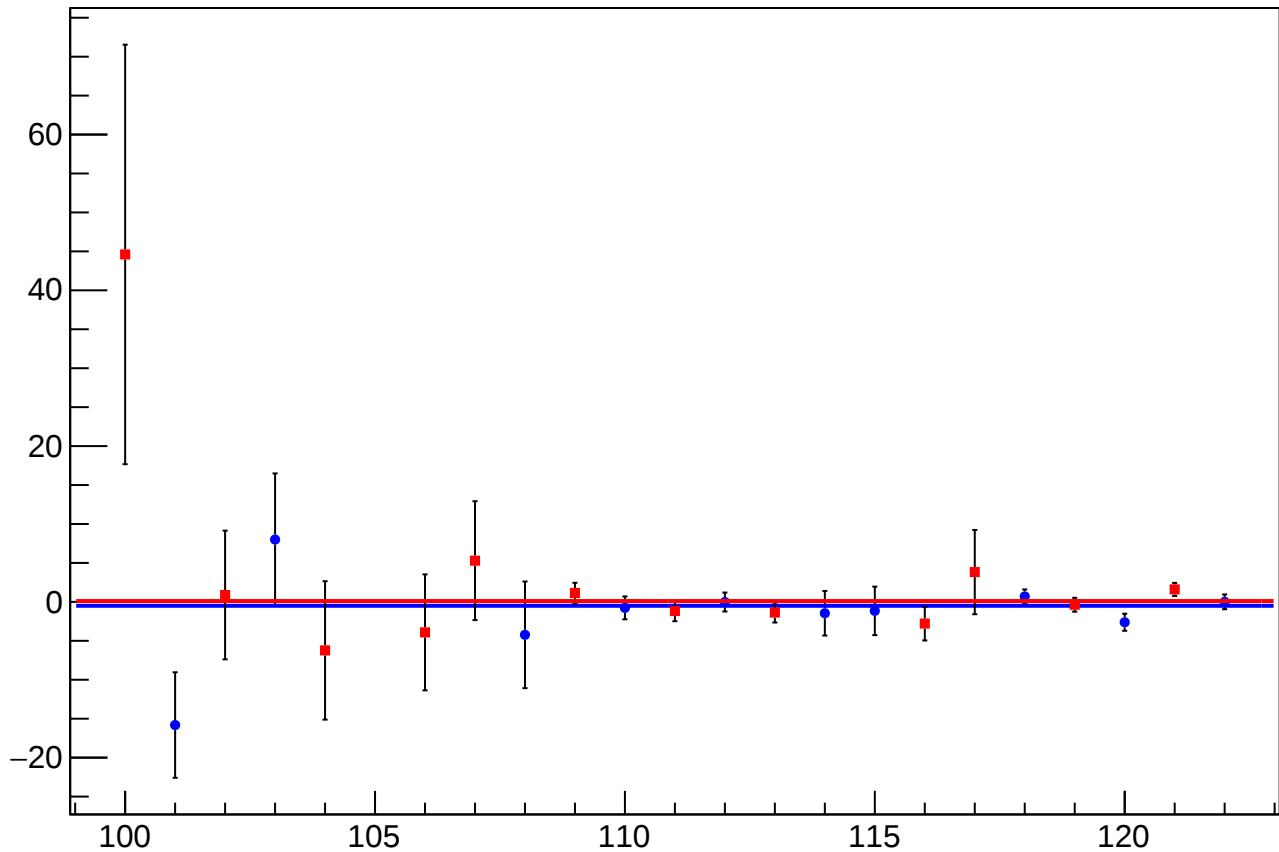
Right Out: 1383.788+/-0.506  $\chi^2/\text{NDF}$ : 1118655.6/11

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

1344.393+/-0.516  $\chi^2/\text{NDF}$ : 901894.9/9

1383.788+/-0.506  $\chi^2/\text{NDF}$ : 1118655.6/11

# diff\_cav4cY\_mean vs Slug



Right In:  $-0.502 \pm 0.466$   $\chi^2/\text{NDF}: 12.5/9$

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

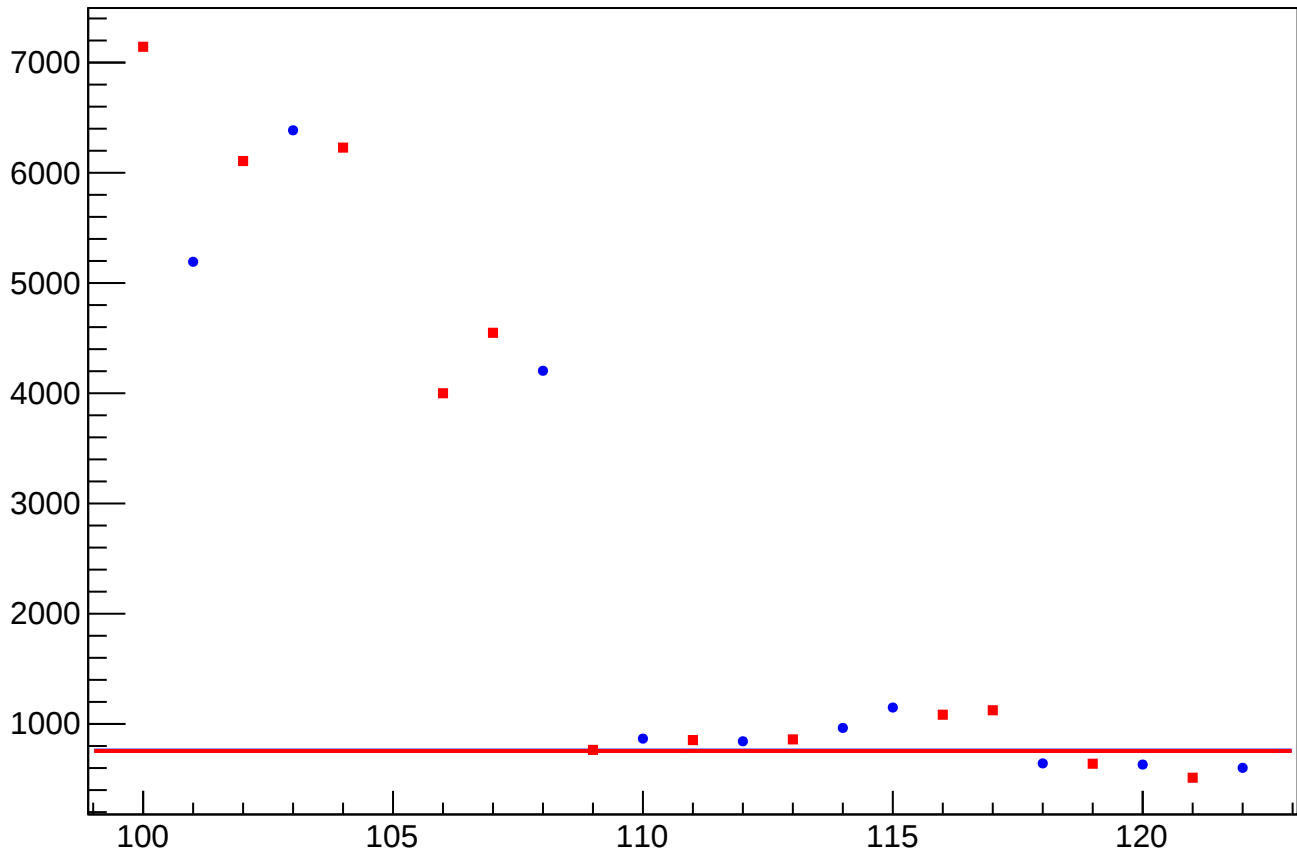
Right Out:  $0.106 \pm 0.458$   $\chi^2/\text{NDF}: 12.6/11$

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

$-0.502 \pm 0.466$   $\chi^2/\text{NDF}: 12.5/9$

$0.106 \pm 0.458$   $\chi^2/\text{NDF}: 12.6/11$

# diff\_cav4cY\_rms vs Slug



Right In: 758.118+/-0.330  $\chi^2/\text{NDF}$ : 2418170.9/9

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

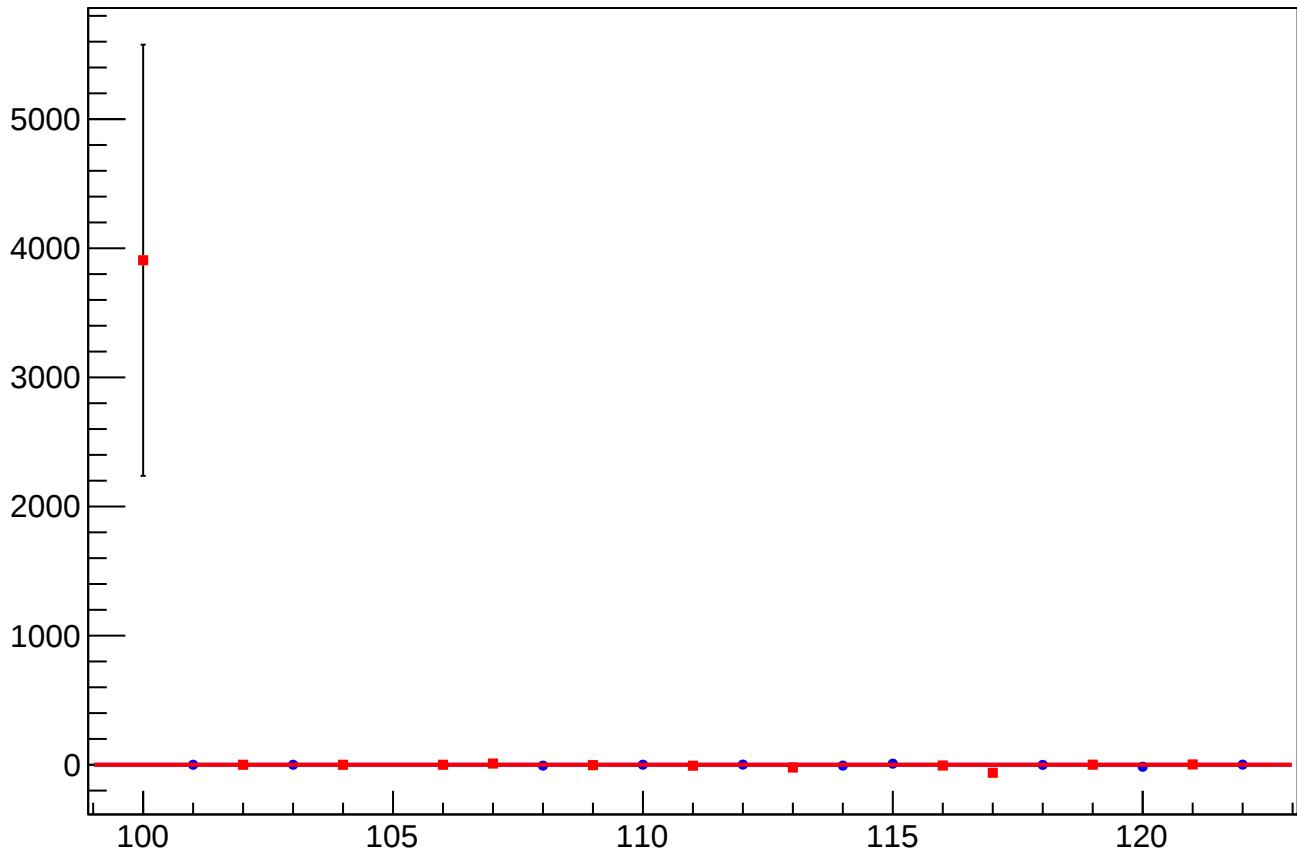
Right Out: 754.836+/-0.324  $\chi^2/\text{NDF}$ : 2865751.1/11

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

758.118+/-0.330  $\chi^2/\text{NDF}$ : 2418170.9/9

754.836+/-0.324  $\chi^2/\text{NDF}$ : 2865751.1/11

# diff\_cav4dX\_mean vs Slug



Right In: -0.021+/-0.021  $\chi^2$ /NDF: 2.8/9

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

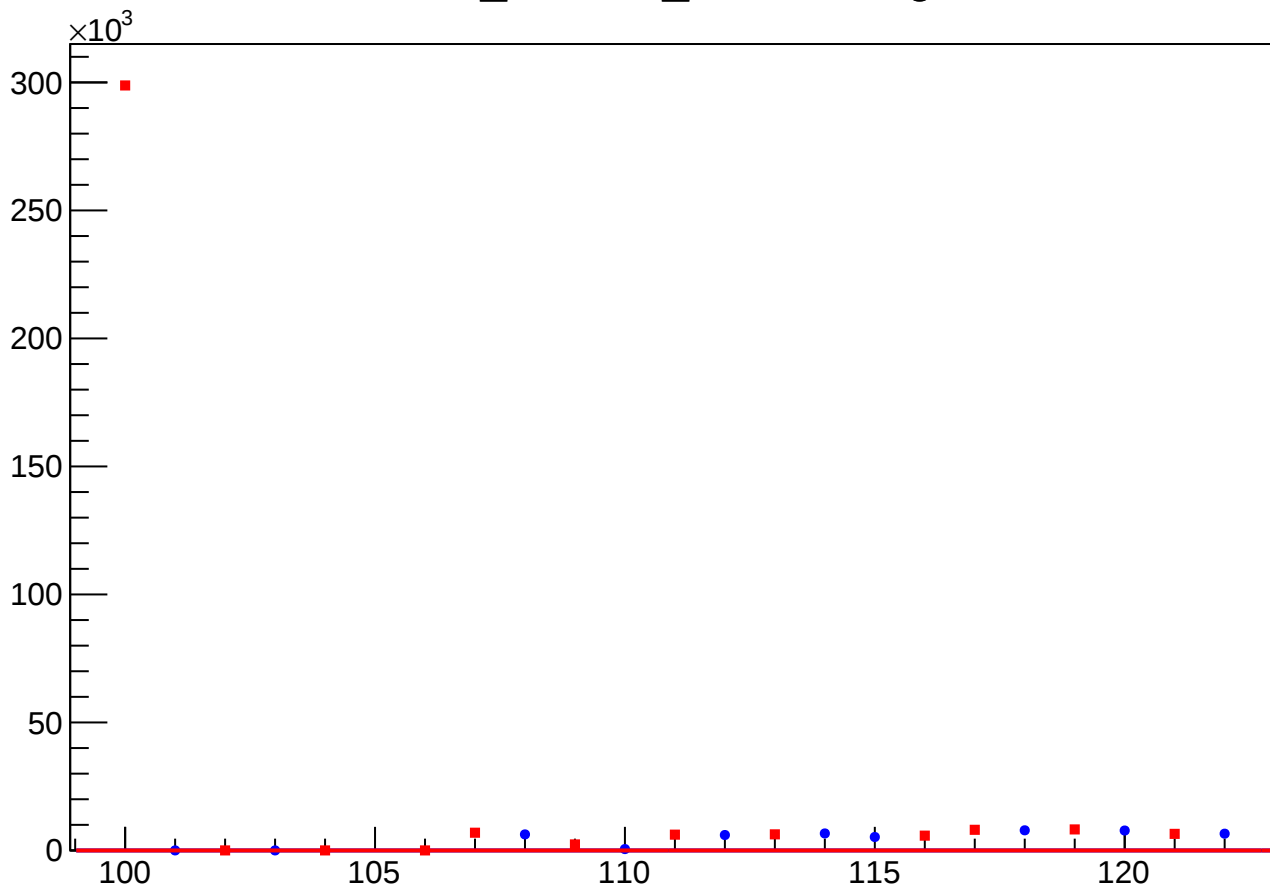
Right Out: -0.027+/-0.020  $\chi^2$ /NDF: 16.1/11

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

-0.021+/-0.021  $\chi^2$ /NDF: 2.8/9

-0.027+/-0.020  $\chi^2$ /NDF: 16.1/11

# diff\_cav4dX\_rms vs Slug



Right In: 17.152+/-0.015  $\chi^2$ /NDF: 4921245.2/9

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

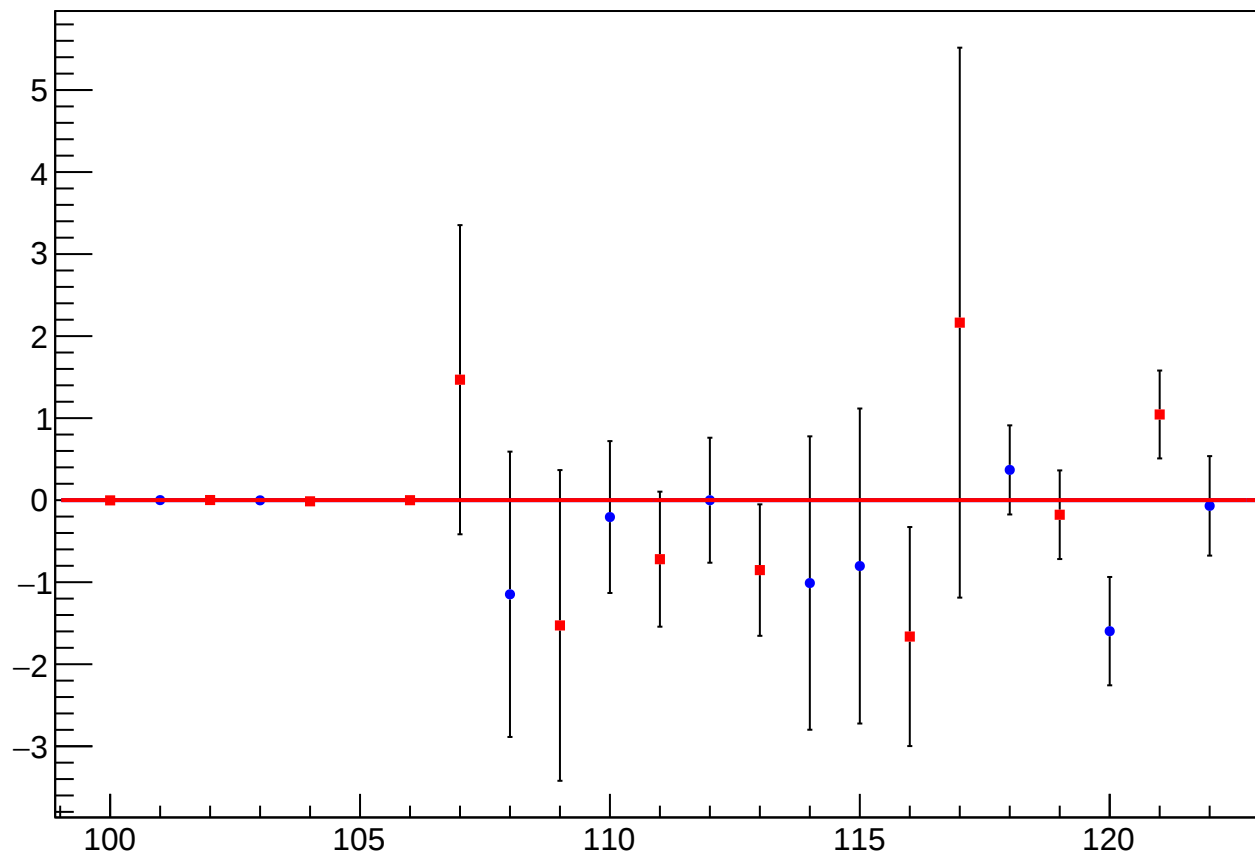
Right Out: 17.113+/-0.014  $\chi^2$ /NDF: 5352283.0/11

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

17.152+/-0.015  $\chi^2$ /NDF: 4921245.2/9

17.113+/-0.014  $\chi^2$ /NDF: 5352283.0/11

# diff\_cav4dY\_mean vs Slug



Right In: 0.000 $\pm$ 0.002  $\chi^2$ /NDF: 7.5/9

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

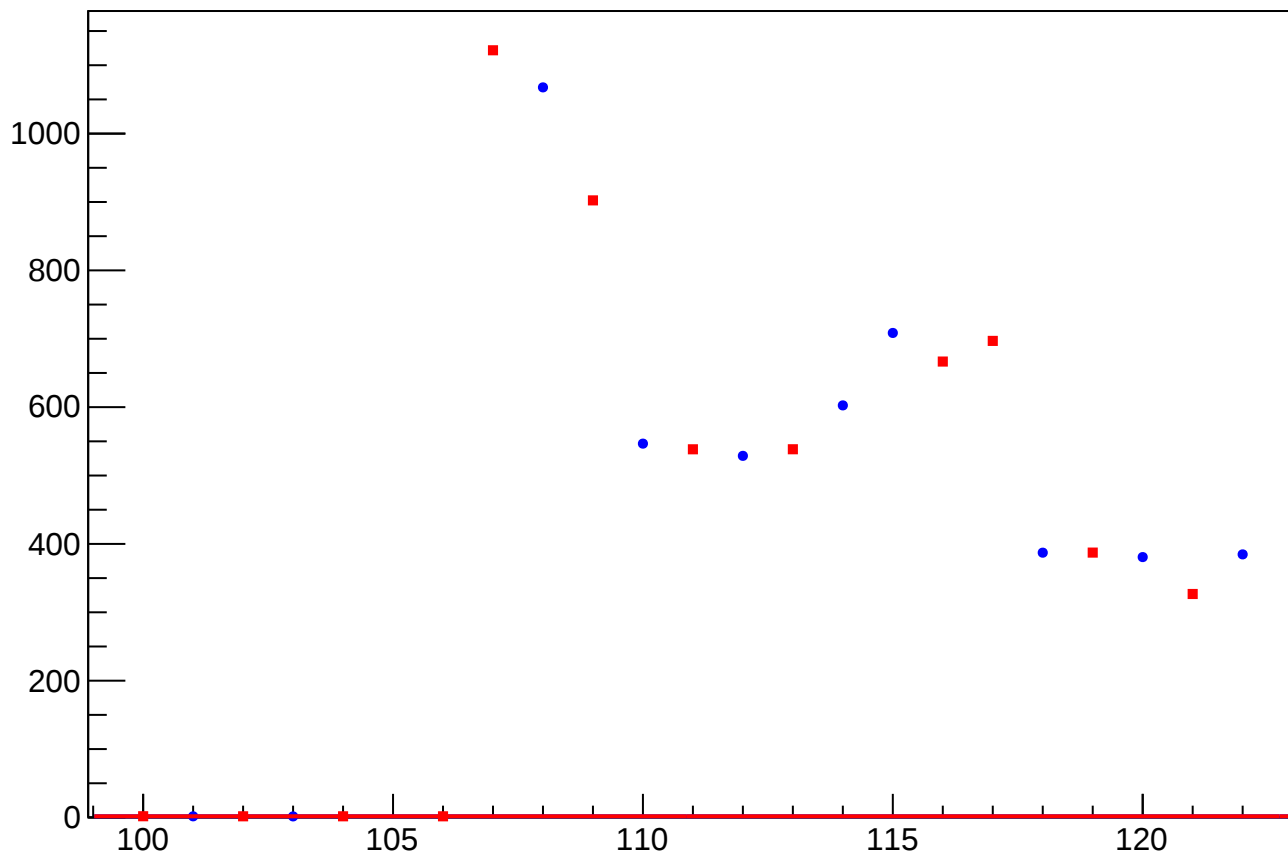
Right Out: 0.001 $\pm$ 0.002  $\chi^2$ /NDF: 10.0/11

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

0.000 $\pm$ 0.002  $\chi^2$ /NDF: 7.5/9

0.001 $\pm$ 0.002  $\chi^2$ /NDF: 10.0/11

# diff\_cav4dY\_rms vs Slug



Right In: 1.667+/-0.001  $\chi^2/\text{NDF}$ : 5363441.3/9

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

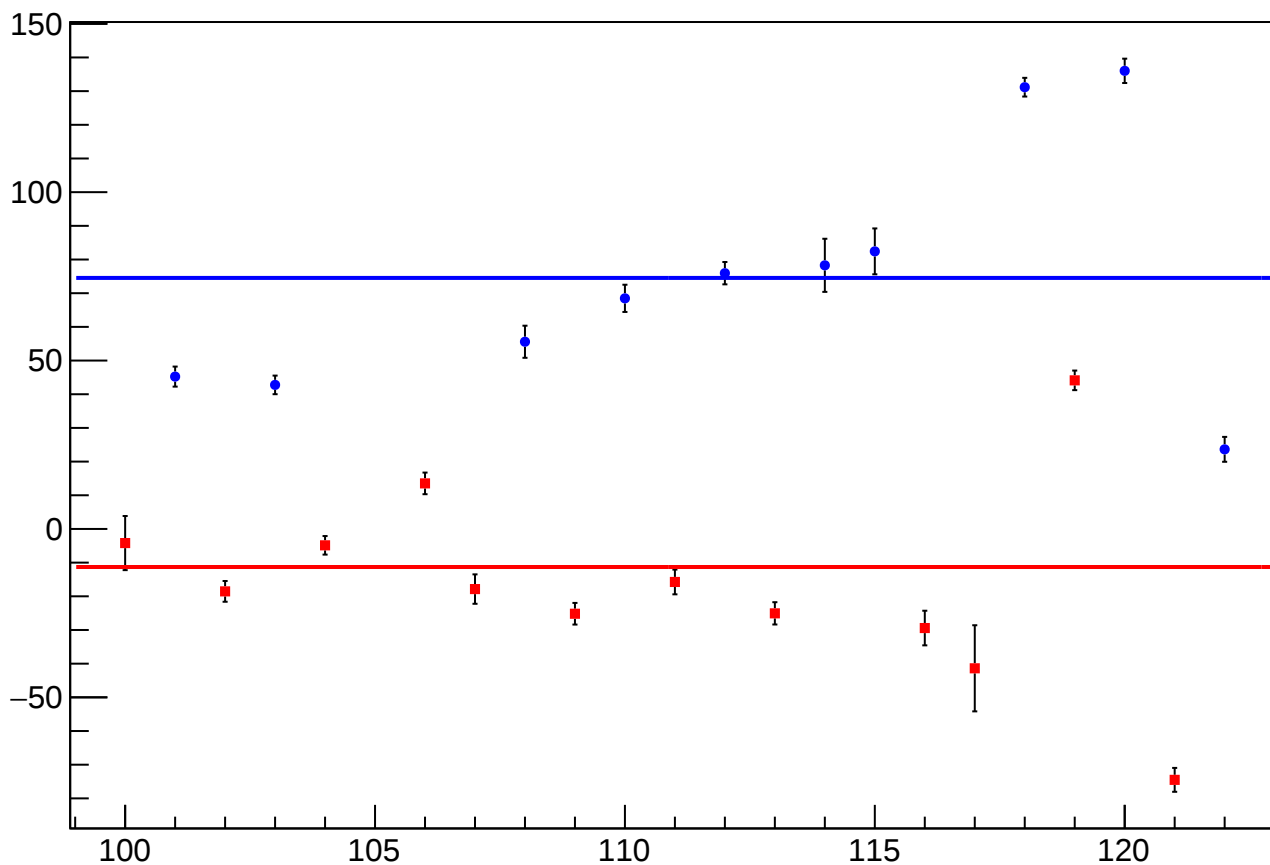
Right Out: 1.699+/-0.001  $\chi^2/\text{NDF}$ : 5243620.1/11

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

1.667+/-0.001  $\chi^2/\text{NDF}$ : 5363441.3/9

1.699+/-0.001  $\chi^2/\text{NDF}$ : 5243620.1/11

# diff\_bpm0i01X\_mean vs Slug



Right In: 74.538+/-1.149  $\chi^2/\text{NDF}$ : 1144.2/9

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

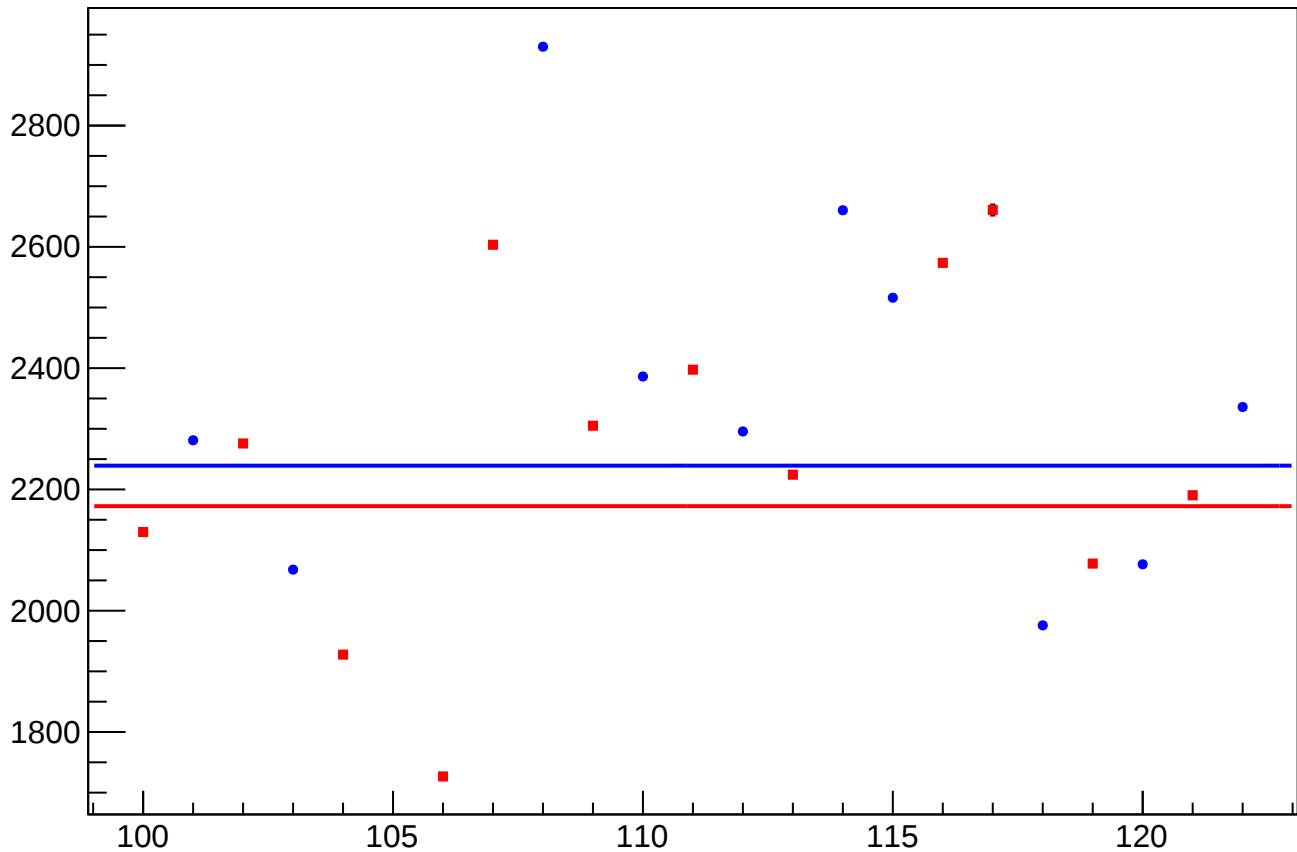
Right Out: -11.298+/-1.051  $\chi^2/\text{NDF}$ : 810.4/11

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

74.538+/-1.149  $\chi^2/\text{NDF}$ : 1144.2/9

-11.298+/-1.051  $\chi^2/\text{NDF}$ : 810.4/11

# diff\_bpm0i01X\_rms vs Slug



Right In: 2239.208 $\pm$ 0.813  $\chi^2$ /NDF: 85782.2/9

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

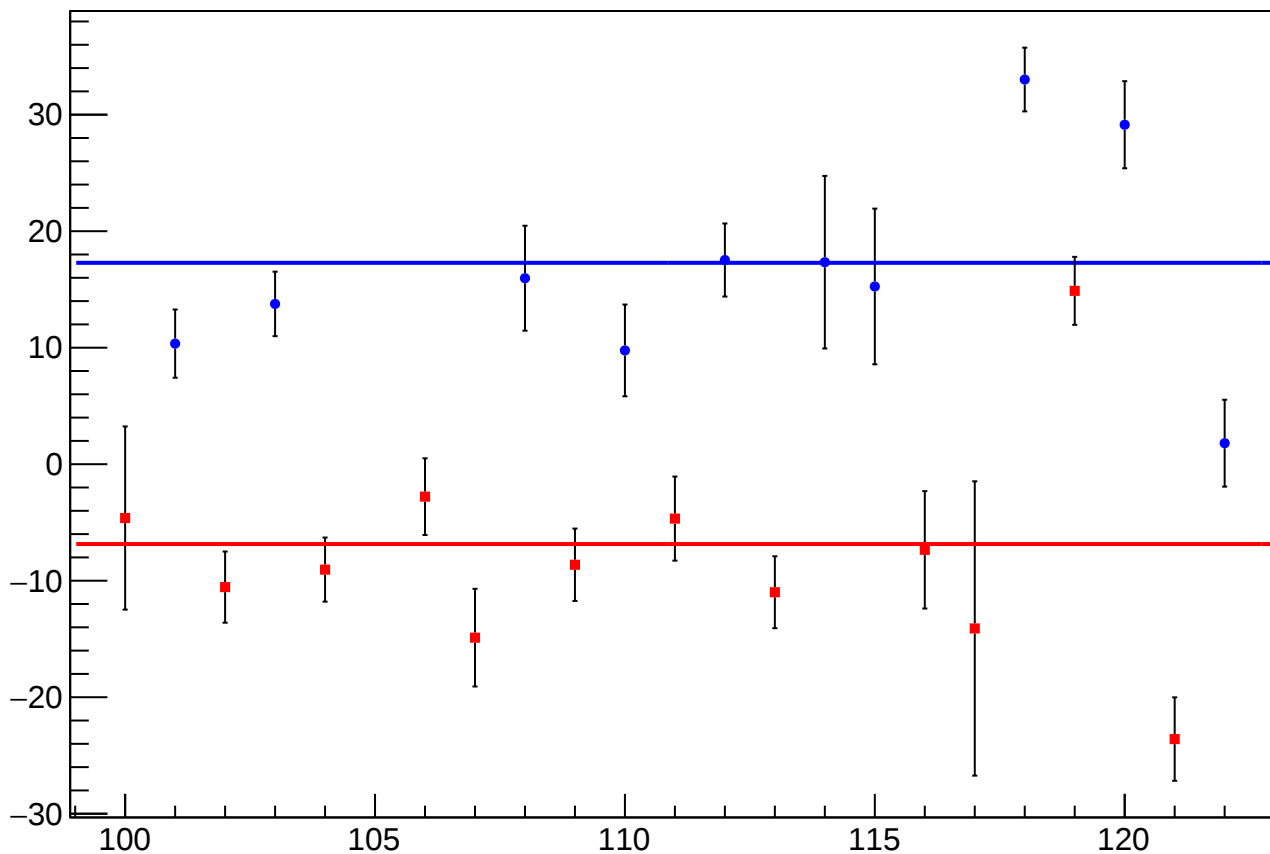
2239.208 $\pm$ 0.813  $\chi^2$ /NDF: 85782.2/9

Right Out: 2172.382 $\pm$ 0.743  $\chi^2$ /NDF: 104829.5/11

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

2172.382 $\pm$ 0.743  $\chi^2$ /NDF: 104829.5/11

# diff\_bpm0i01Y\_mean vs Slug



Right In: 17.286+/-1.132  $\chi^2$ /NDF: 71.5/9

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

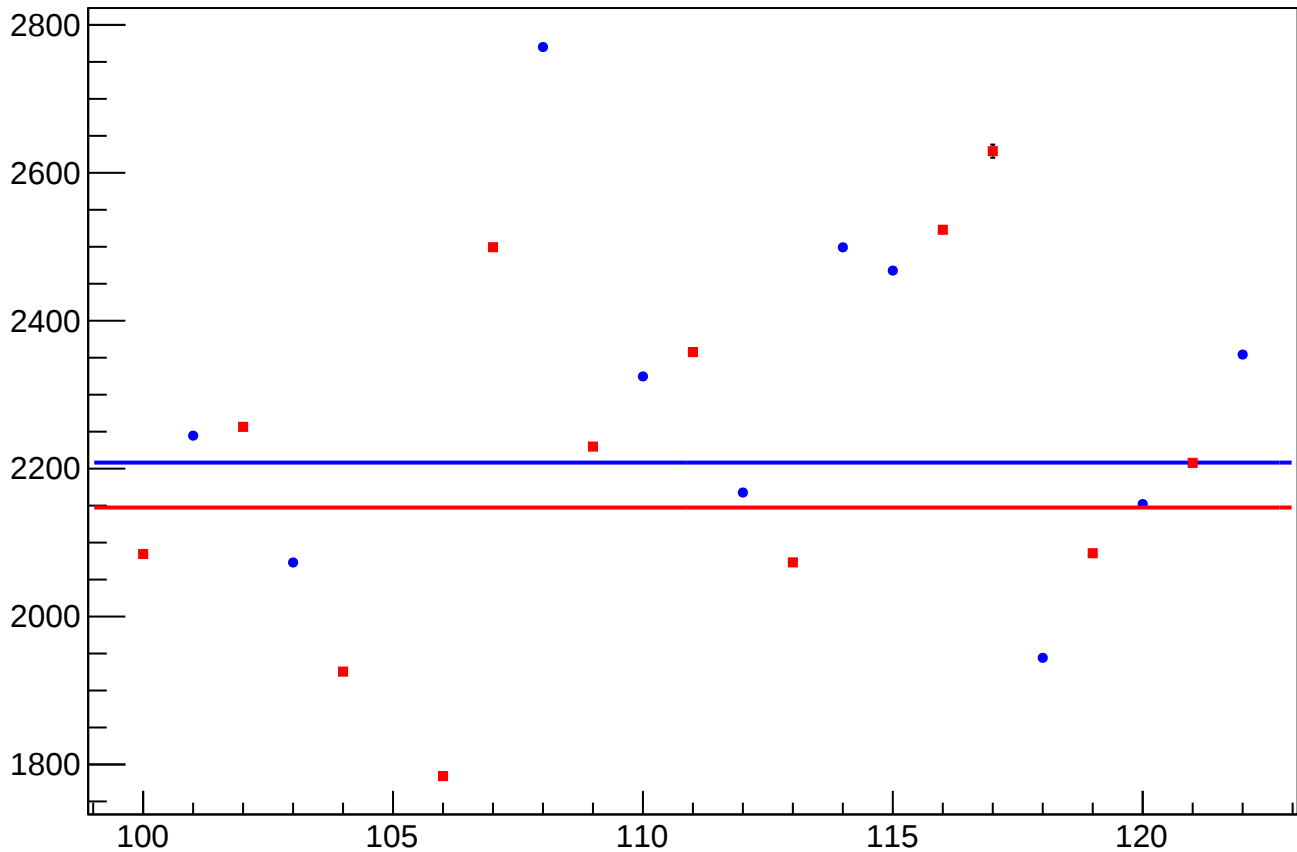
Right Out: -6.851+/-1.036  $\chi^2$ /NDF: 87.6/11

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

17.286+/-1.132  $\chi^2$ /NDF: 71.5/9

-6.851+/-1.036  $\chi^2$ /NDF: 87.6/11

# diff\_bpm0i01Y\_rms vs Slug



Right In: 2208.182 $\pm$ 0.800  $\chi^2$ /NDF: 66549.9/9

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

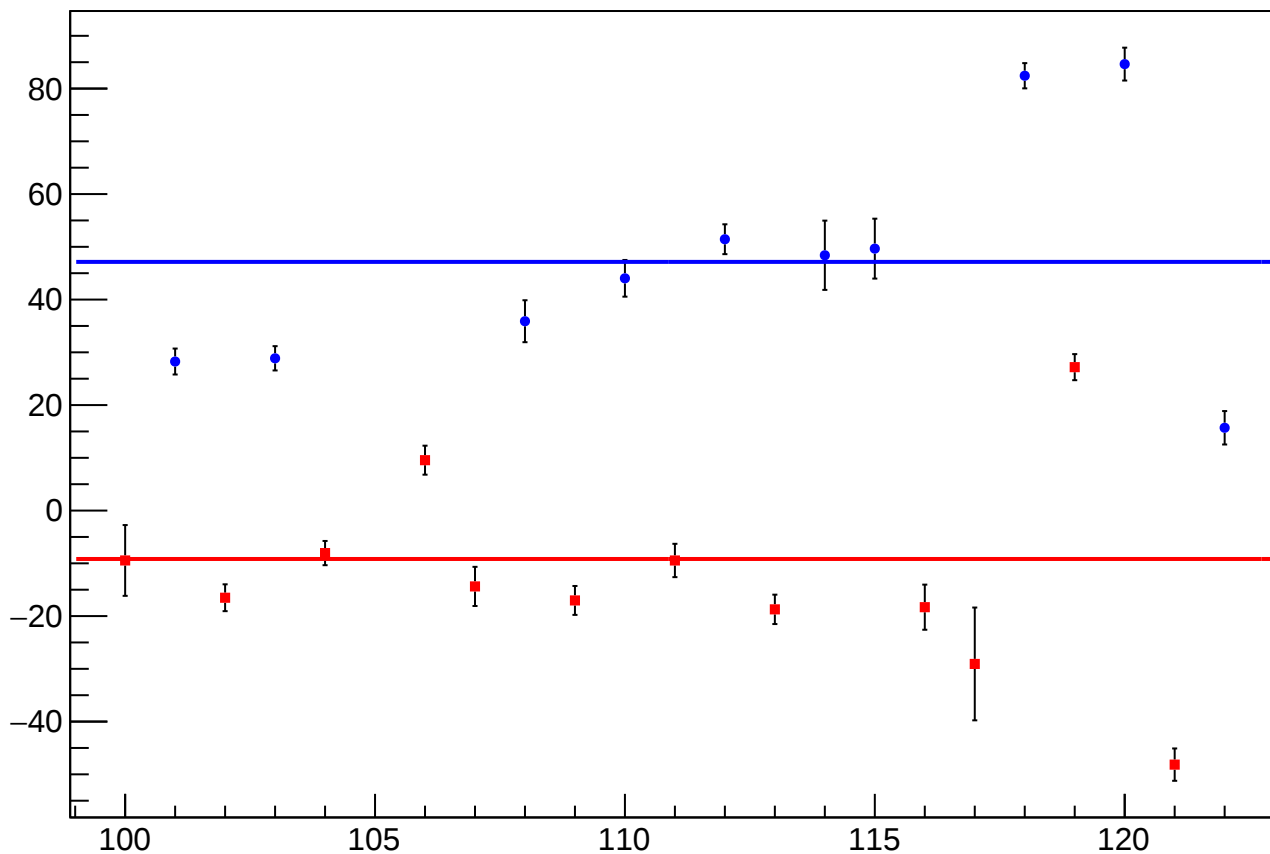
Right Out: 2147.438 $\pm$ 0.733  $\chi^2$ /NDF: 78960.9/11

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

2208.182 $\pm$ 0.800  $\chi^2$ /NDF: 66549.9/9

2147.438 $\pm$ 0.733  $\chi^2$ /NDF: 78960.9/11

# diff\_bpm0i01aX\_mean vs Slug



Right In: 47.144+/-0.973  $\chi^2/\text{NDF}$ : 594.3/9

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

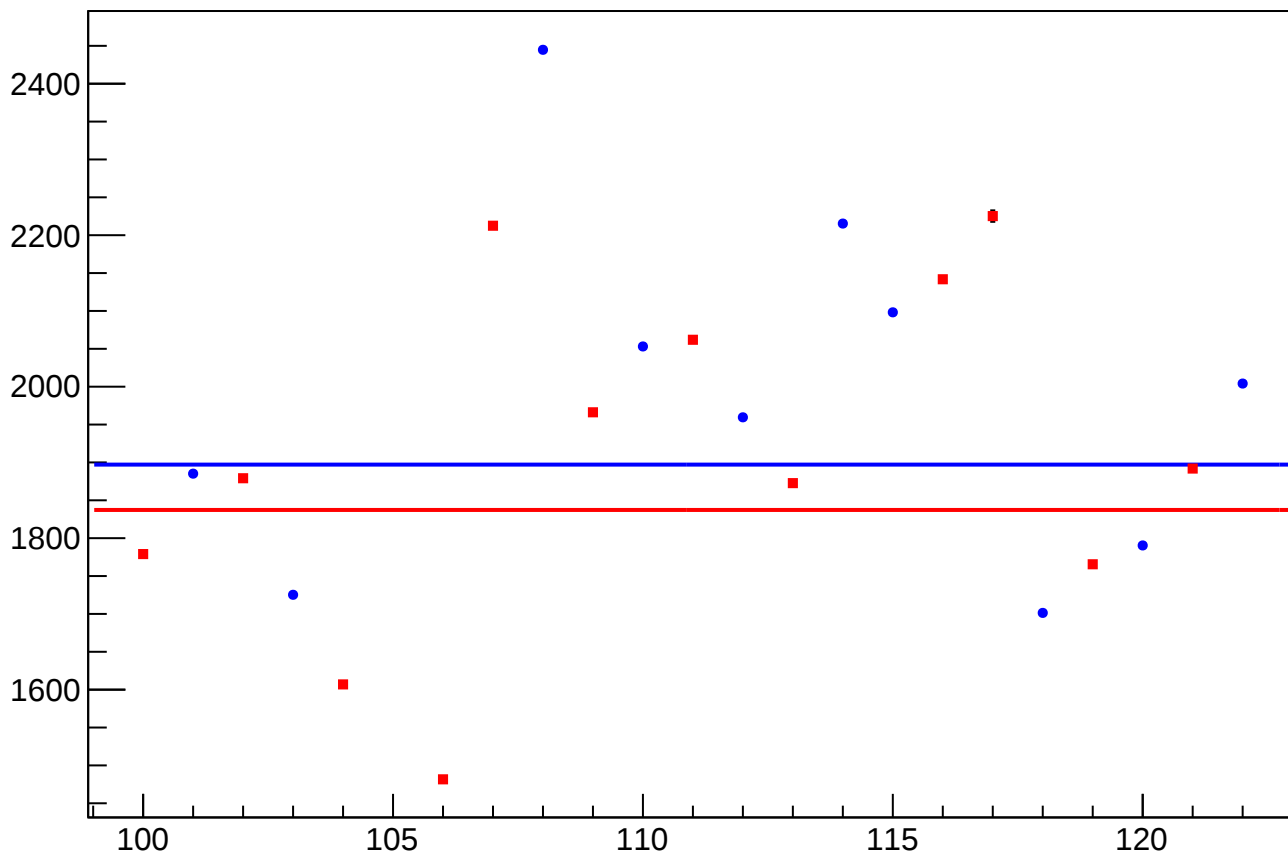
Right Out: -9.176+/-0.888  $\chi^2/\text{NDF}$ : 463.2/11

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

47.144+/-0.973  $\chi^2/\text{NDF}$ : 594.3/9

-9.176+/-0.888  $\chi^2/\text{NDF}$ : 463.2/11

# diff\_bpm0i01aX\_rms vs Slug



Right In: 1897.124+/-0.688  $\chi^2/\text{NDF}$ : 79364.7/9

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

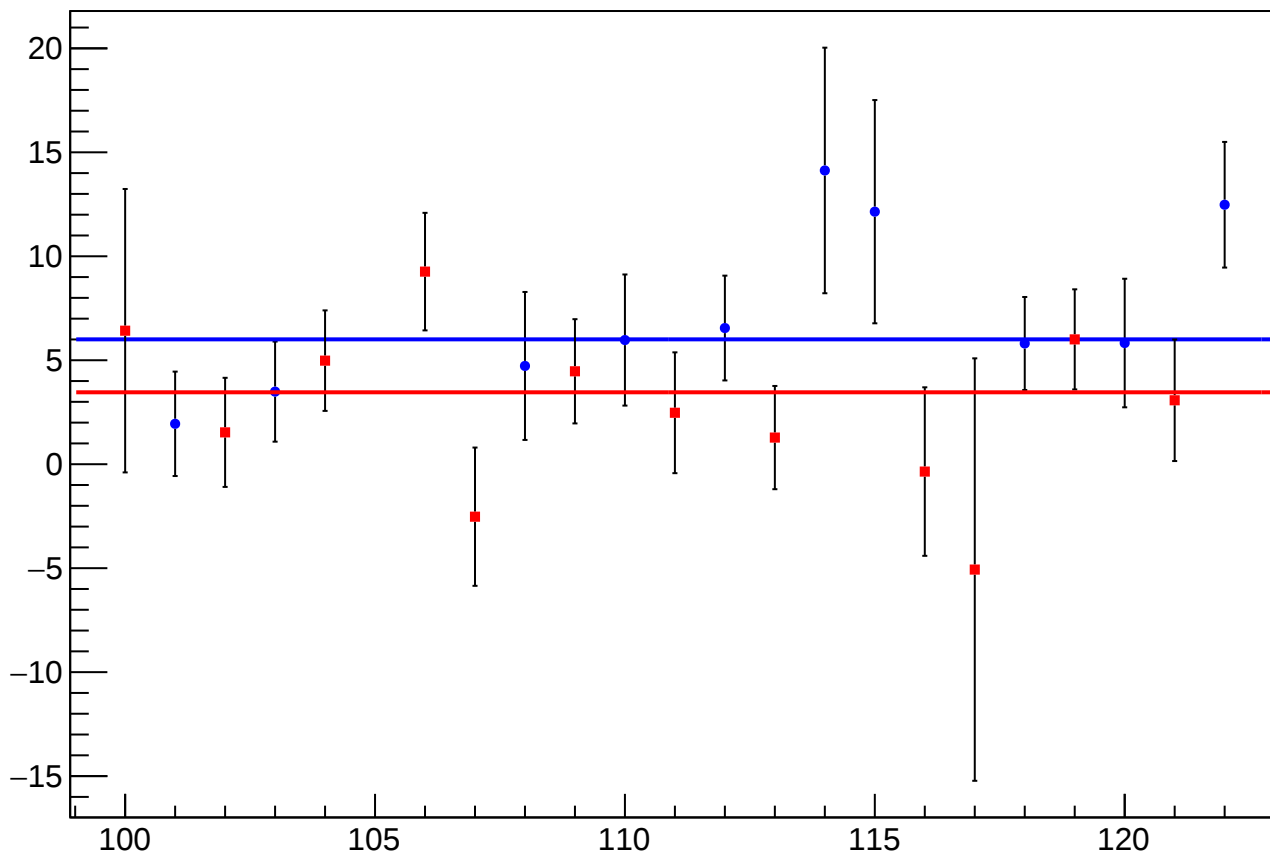
Right Out: 1837.255+/-0.628  $\chi^2/\text{NDF}$ : 104718.8/11

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

1897.124+/-0.688  $\chi^2/\text{NDF}$ : 79364.7/9

1837.255+/-0.628  $\chi^2/\text{NDF}$ : 104718.8/11

# diff\_bpm0i01aY\_mean vs Slug



Right In: 6.005 $\pm$ 0.934  $\chi^2$ /NDF: 11.7/9

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

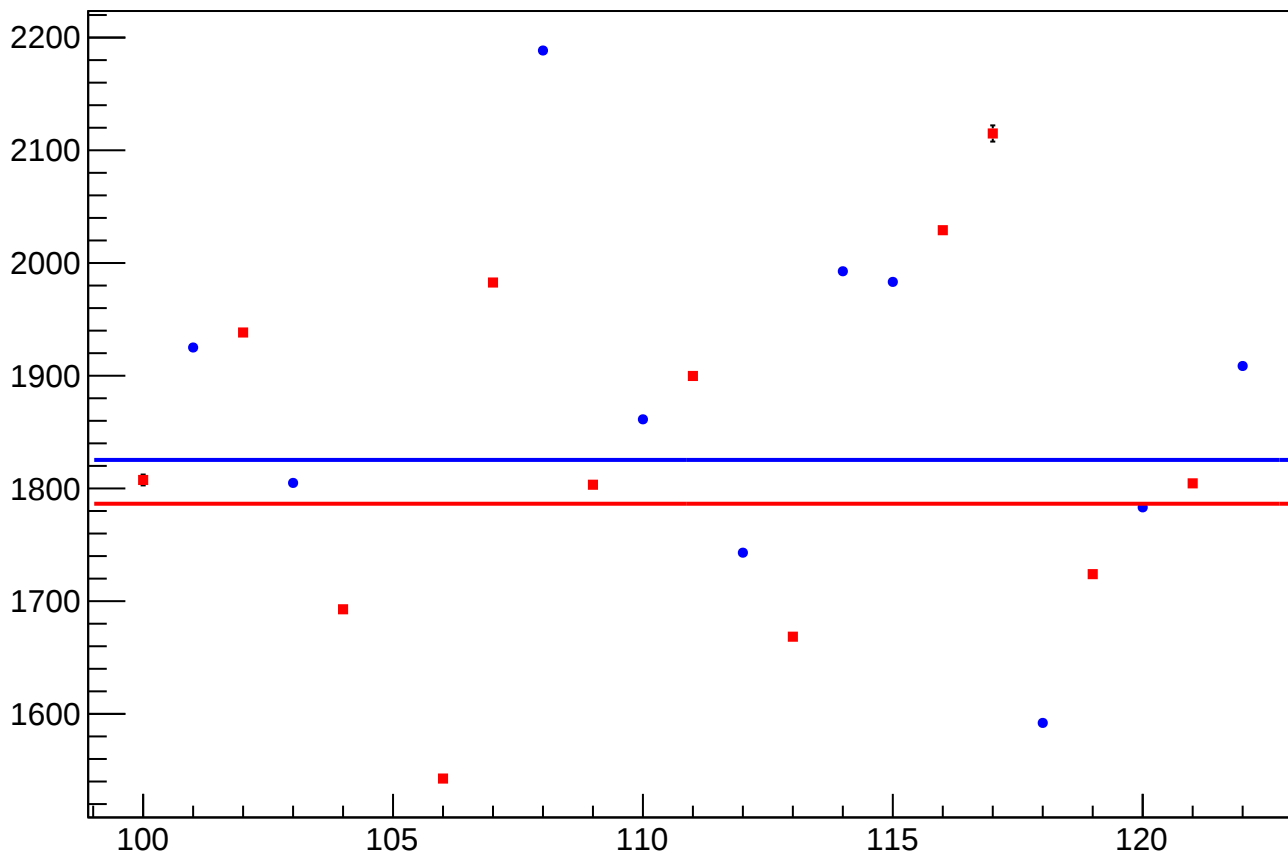
Right Out: 3.459 $\pm$ 0.859  $\chi^2$ /NDF: 12.4/11

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

6.005 $\pm$ 0.934  $\chi^2$ /NDF: 11.7/9

3.459 $\pm$ 0.859  $\chi^2$ /NDF: 12.4/11

# diff\_bpm0i01aY\_rms vs Slug



Right In: 1825.305+/-0.661  $\chi^2/\text{NDF}$ : 53538.0/9

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

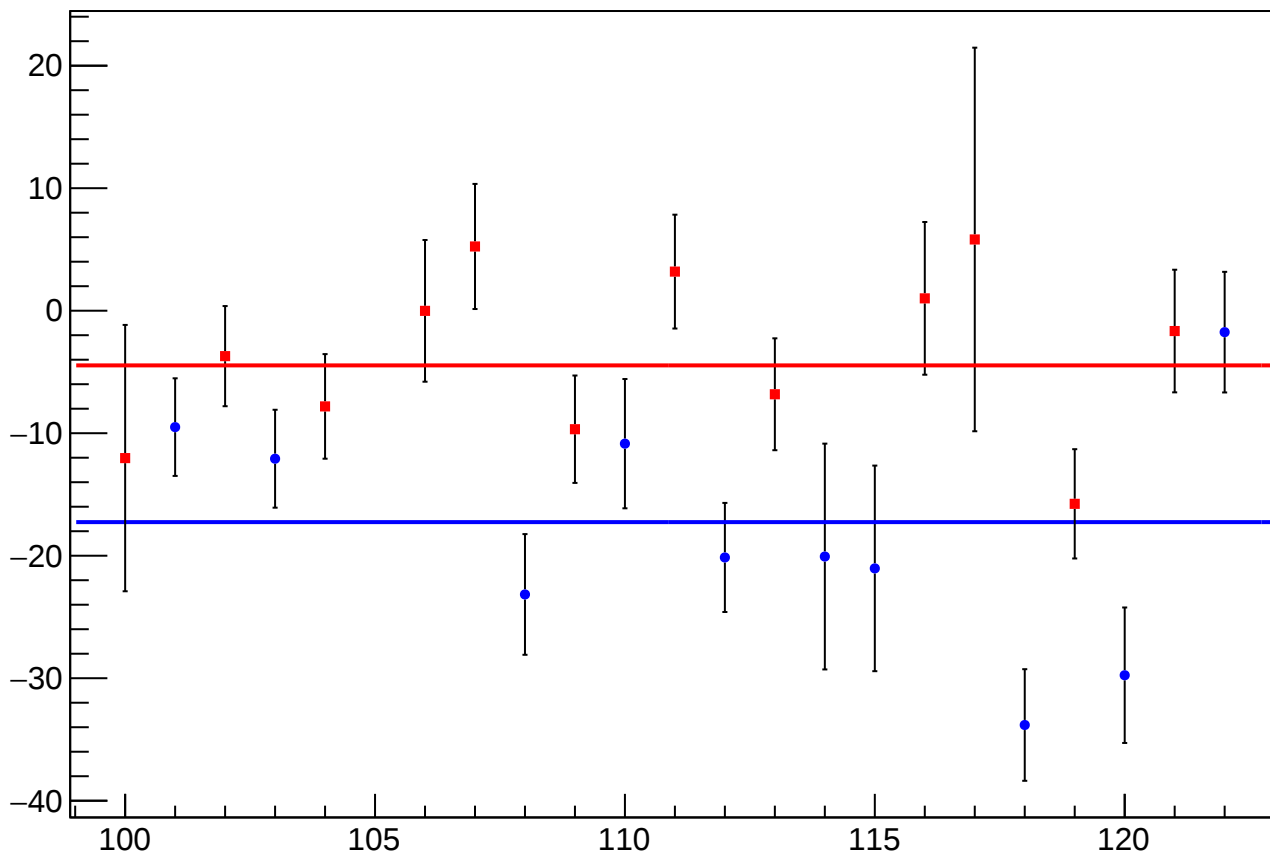
Right Out: 1786.436+/-0.608  $\chi^2/\text{NDF}$ : 49913.1/11

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

1825.305+/-0.661  $\chi^2/\text{NDF}$ : 53538.0/9

1786.436+/-0.608  $\chi^2/\text{NDF}$ : 49913.1/11

diff\_bpm0l01X\_mean vs Slug



Right In: -17.257+/-1.579  $\chi^2/\text{NDF}$ : 37.3/9

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

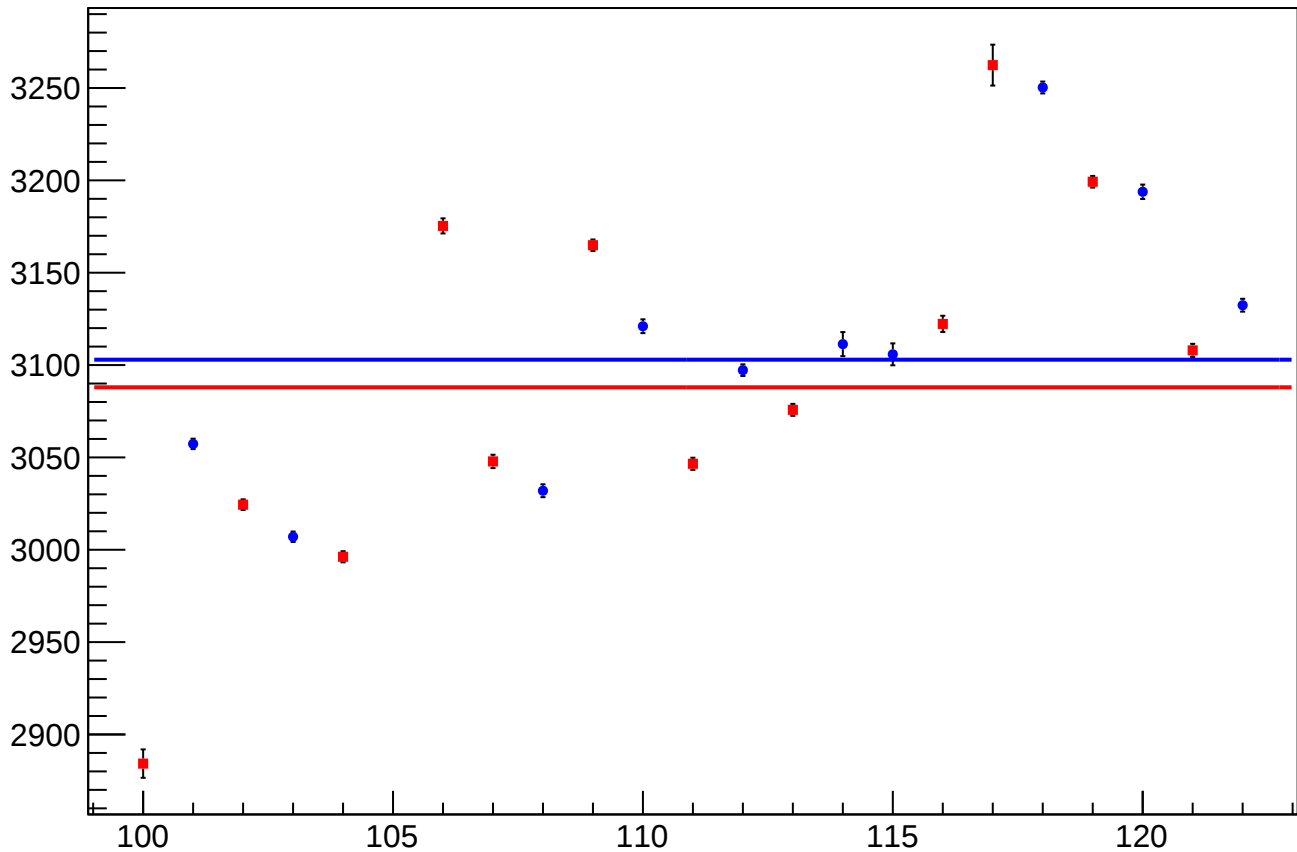
Right Out: -4.464+/-1.478  $\chi^2/\text{NDF}$ : 17.7/11

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

-17.257+/-1.579  $\chi^2/\text{NDF}$ : 37.3/9

-4.464+/-1.478  $\chi^2/\text{NDF}$ : 17.7/11

# diff\_bpm0l01X\_rms vs Slug



Right In: 3102.904 $\pm$ 1.116  $\chi^2$ /NDF: 4561.8/9

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

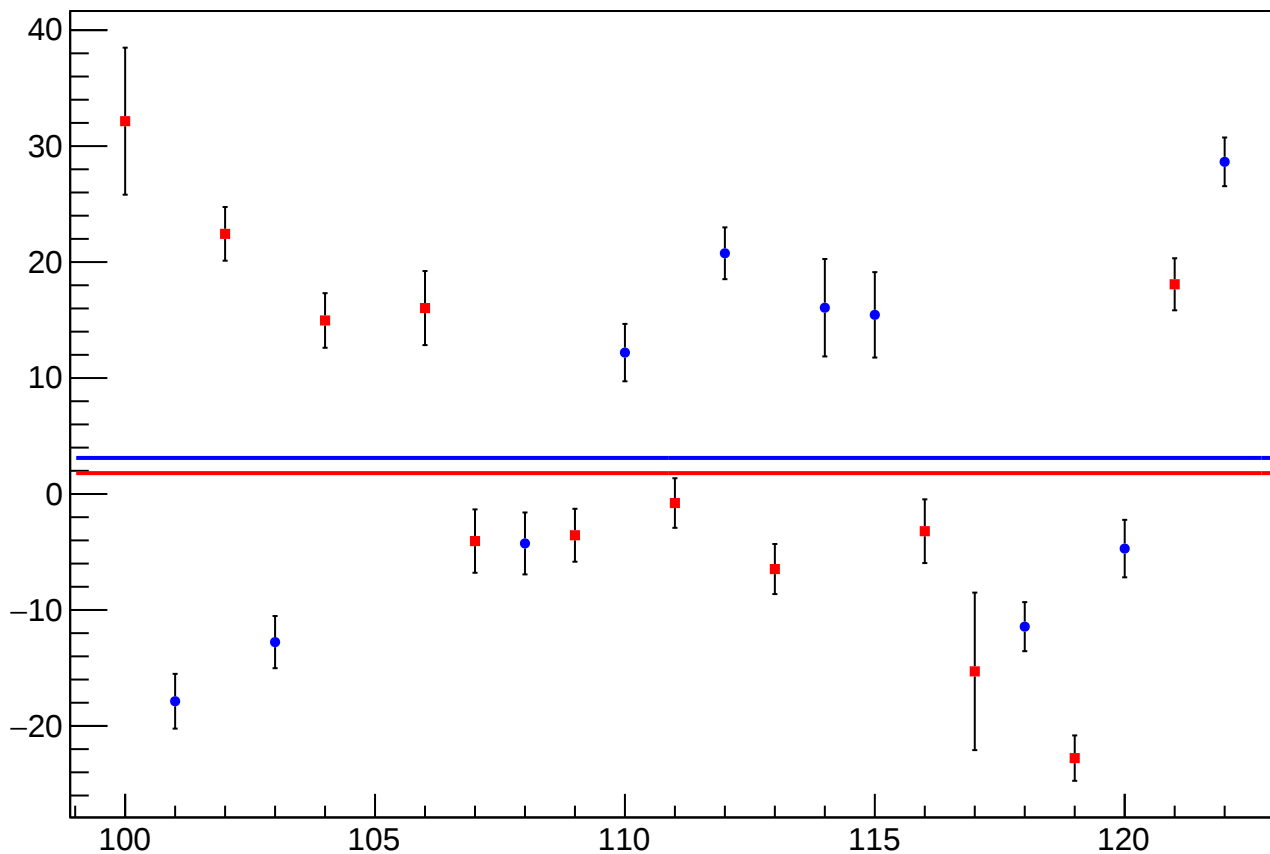
Right Out: 3087.962 $\pm$ 1.045  $\chi^2$ /NDF: 5064.4/11

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

3102.904 $\pm$ 1.116  $\chi^2$ /NDF: 4561.8/9

3087.962 $\pm$ 1.045  $\chi^2$ /NDF: 5064.4/11

# diff\_bpm0l01Y\_mean vs Slug



Right In: 3.111+/-0.785  $\chi^2/\text{NDF}$ : 438.1/9

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

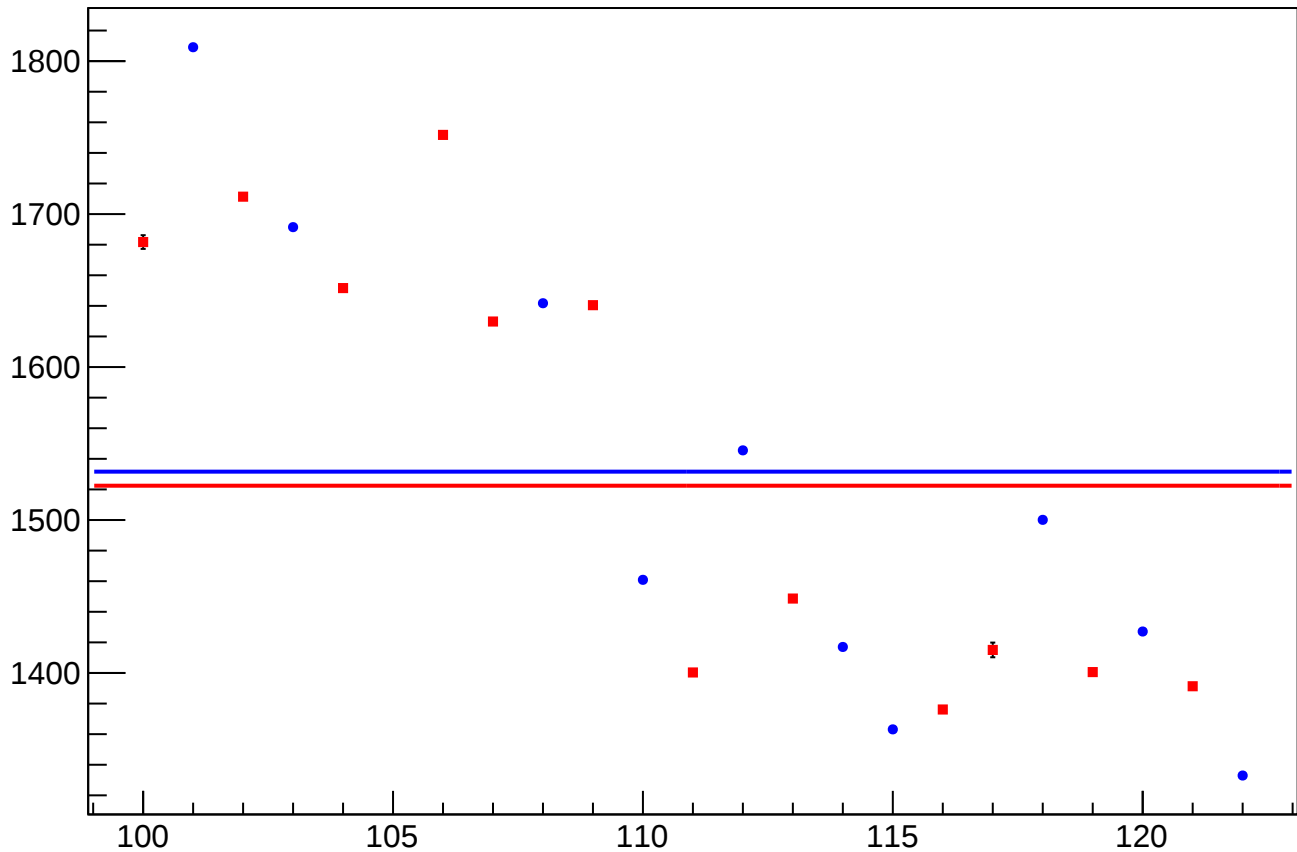
Right Out: 1.800+/-0.733  $\chi^2/\text{NDF}$ : 399.8/11

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

3.111+/-0.785  $\chi^2/\text{NDF}$ : 438.1/9

1.800+/-0.733  $\chi^2/\text{NDF}$ : 399.8/11

# diff\_bpm0l01Y\_rms vs Slug



Right In: 1531.621+/-0.555  $\chi^2/\text{NDF}$ : 70390.9/9

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

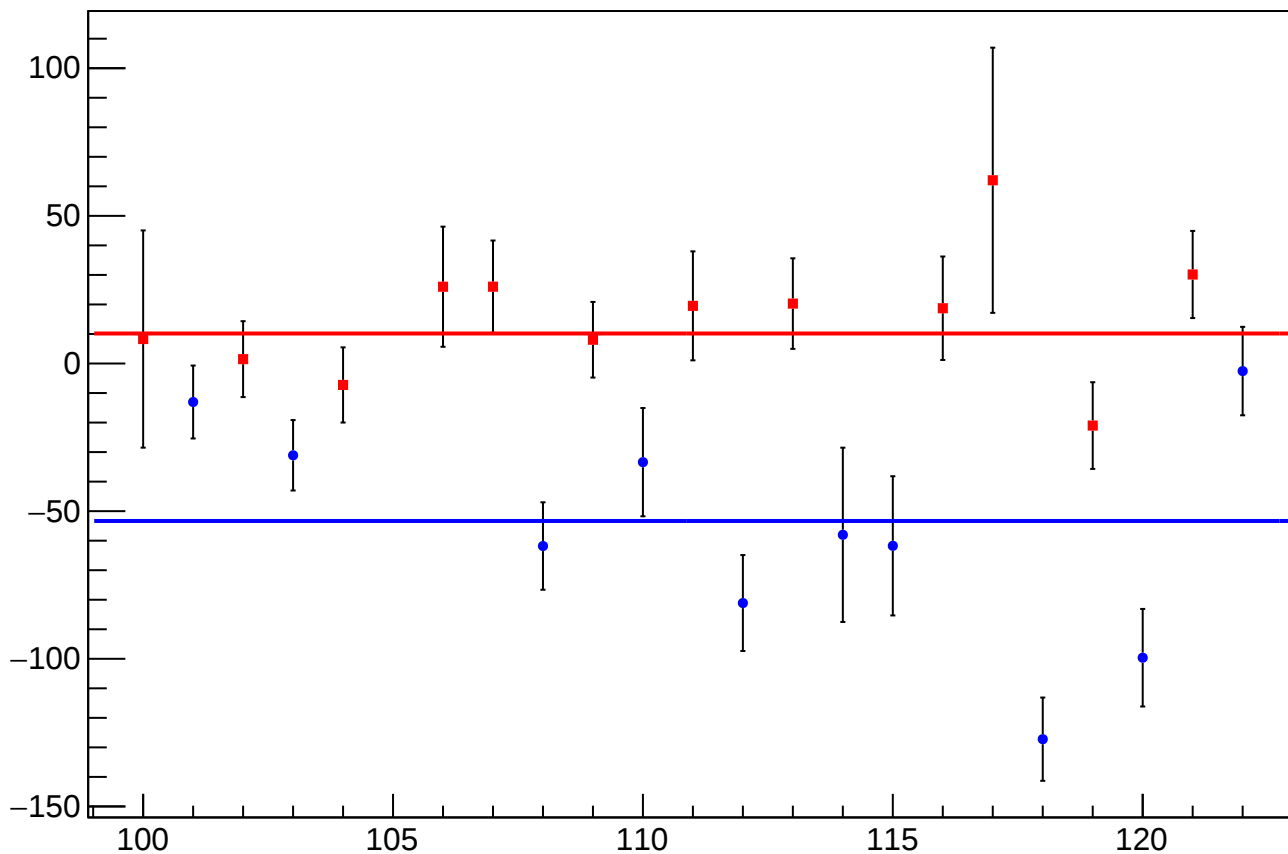
Right Out: 1522.428+/-0.518  $\chi^2/\text{NDF}$ : 68965.1/11

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

1531.621+/-0.555  $\chi^2/\text{NDF}$ : 70390.9/9

1522.428+/-0.518  $\chi^2/\text{NDF}$ : 68965.1/11

# diff\_bpm0l02X\_mean vs Slug



Right In: -53.326+/-4.938  $\chi^2/\text{NDF}$ : 65.5/9

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

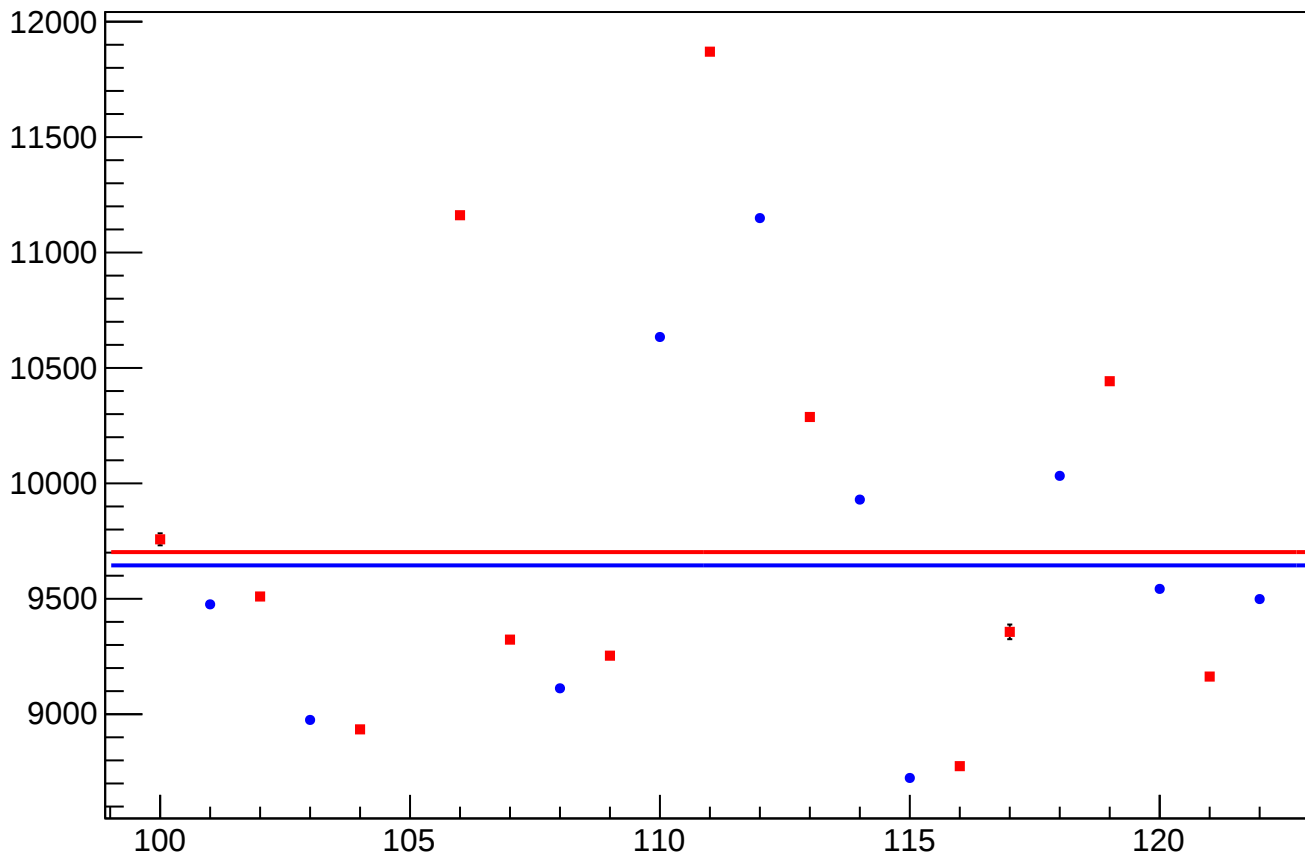
Right Out: 10.166+/-4.676  $\chi^2/\text{NDF}$ : 12.6/11

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

-53.326+/-4.938  $\chi^2/\text{NDF}$ : 65.5/9

10.166+/-4.676  $\chi^2/\text{NDF}$ : 12.6/11

# diff\_bpm0l02X\_rms vs Slug



Right In: 9644.725+/-3.492  $\chi^2/\text{NDF}$ : 37253.2/9

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

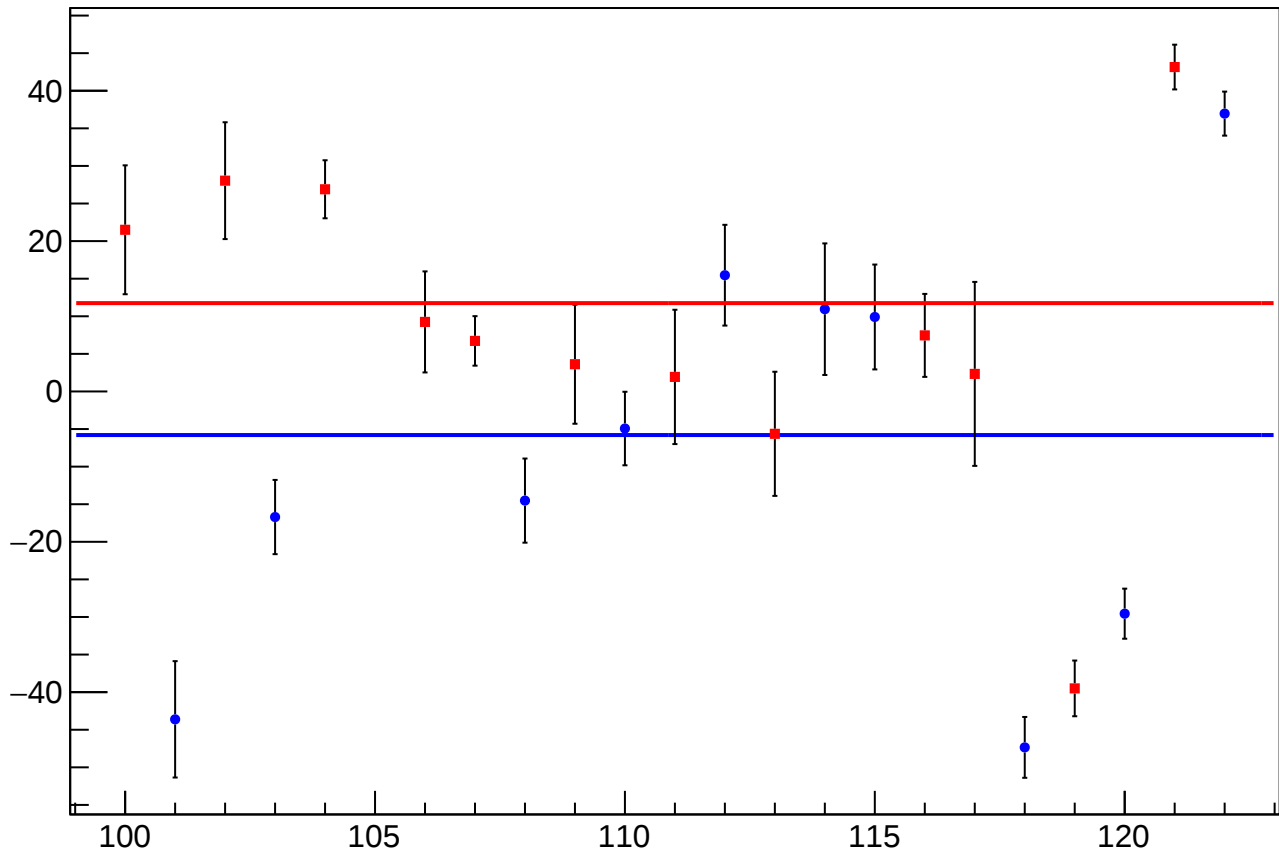
Right Out: 9702.297+/-3.306  $\chi^2/\text{NDF}$ : 65636.6/11

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

9644.725+/-3.492  $\chi^2/\text{NDF}$ : 37253.2/9

9702.297+/-3.306  $\chi^2/\text{NDF}$ : 65636.6/11

# diff\_bpm0l02Y\_mean vs Slug



Right In: -5.799+/-1.482  $\chi^2$ /NDF: 419.4/9

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

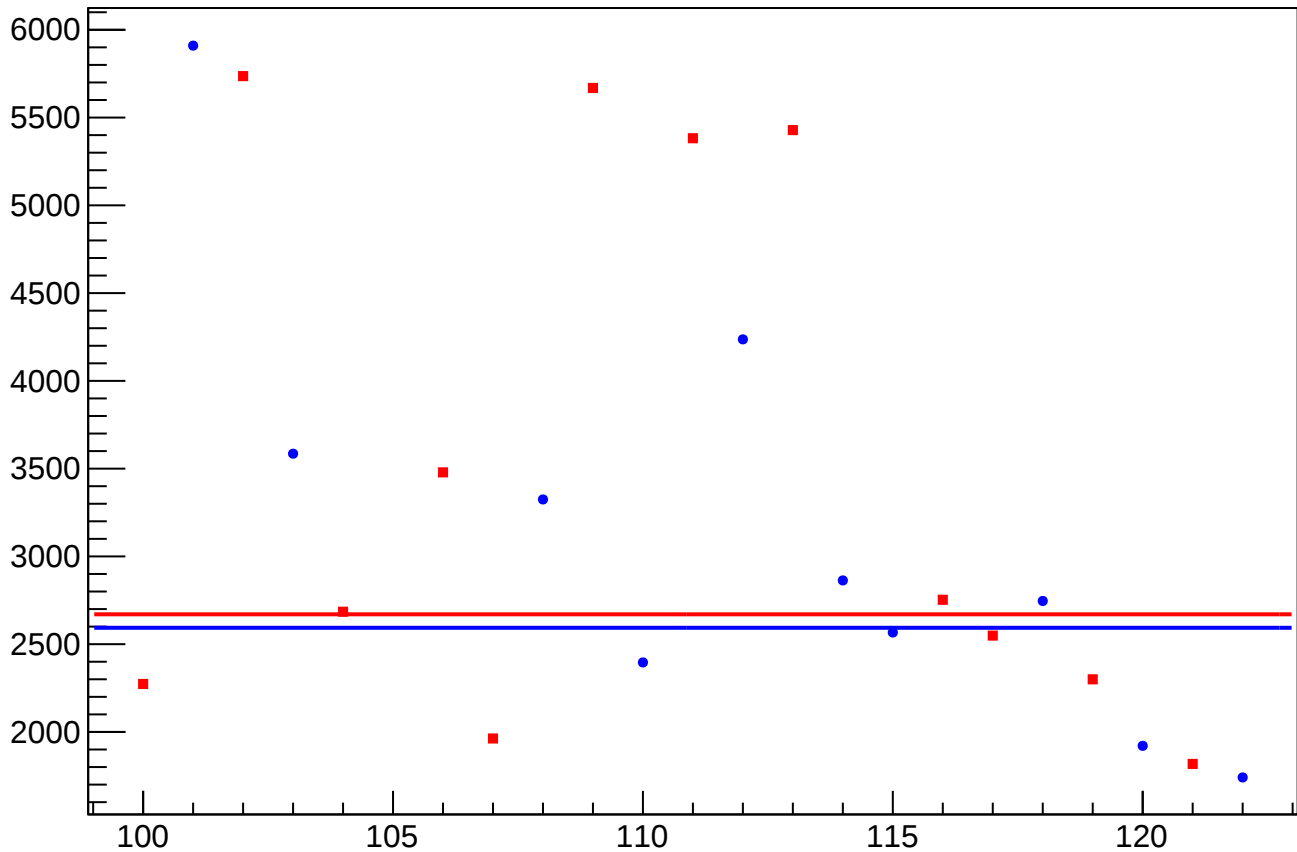
Right Out: 11.751+/-1.443  $\chi^2$ /NDF: 334.1/11

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

-5.799+/-1.482  $\chi^2$ /NDF: 419.4/9

11.751+/-1.443  $\chi^2$ /NDF: 334.1/11

# diff\_bpm0l02Y\_rms vs Slug



Right In: 2593.406+/-1.048  $\chi^2/\text{NDF}$ : 861288.0/9

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

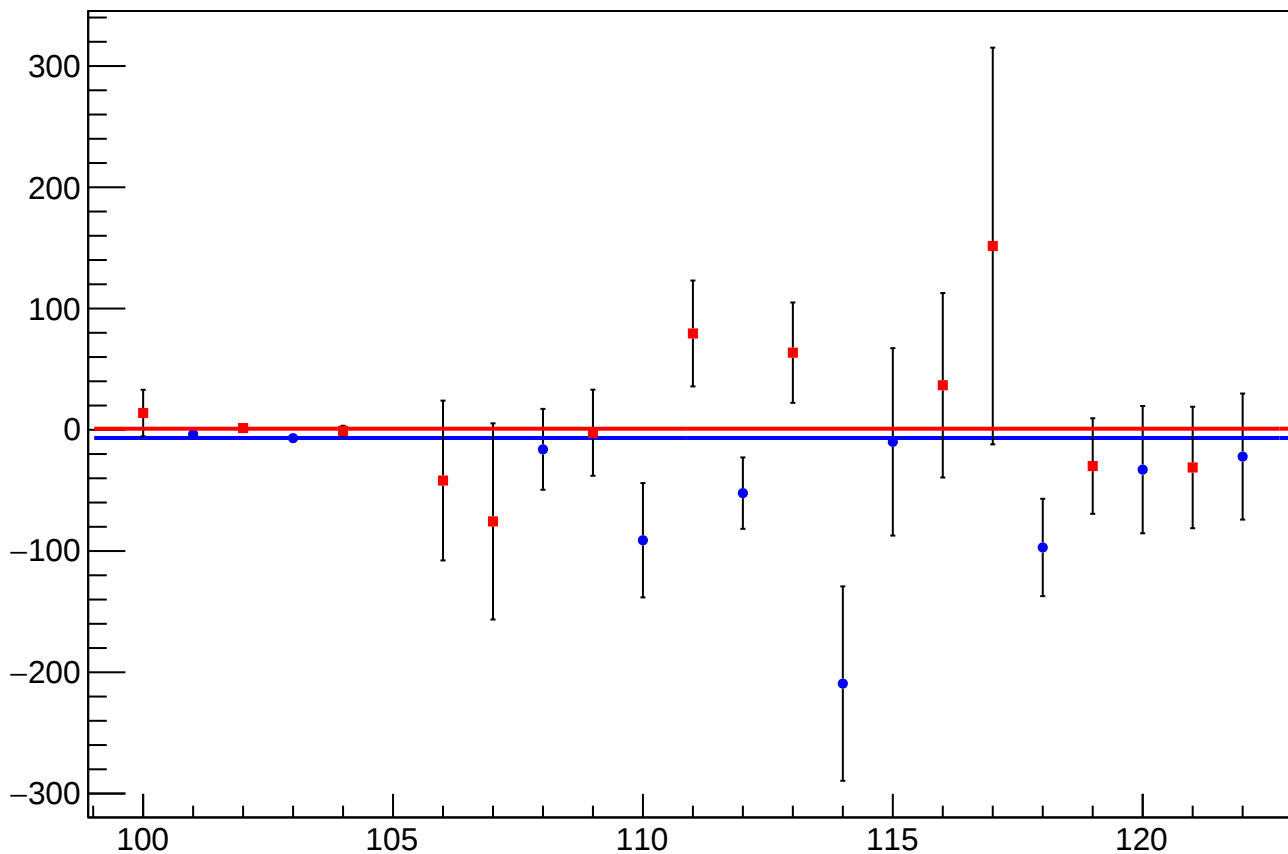
Right Out: 2670.222+/-1.021  $\chi^2/\text{NDF}$ : 1315984.4/11

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

2593.406+/-1.048  $\chi^2/\text{NDF}$ : 861288.0/9

2670.222+/-1.021  $\chi^2/\text{NDF}$ : 1315984.4/11

# diff\_bpm0l03X\_mean vs Slug



Right In: -6.750+/-2.674  $\chi^2/\text{NDF}$ : 18.1/9

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

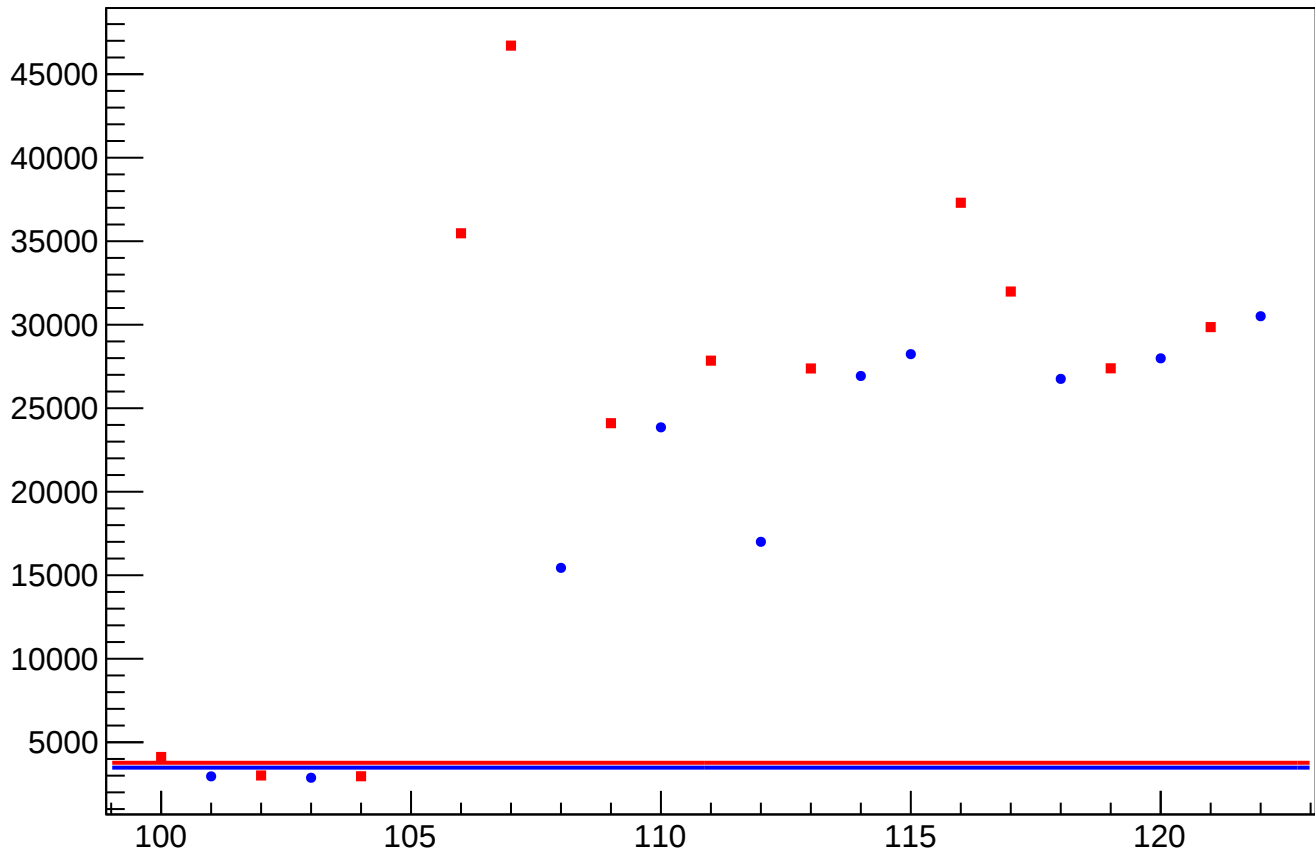
Right Out: 0.887+/-2.875  $\chi^2/\text{NDF}$ : 9.6/11

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

-6.750+/-2.674  $\chi^2/\text{NDF}$ : 18.1/9

0.887+/-2.875  $\chi^2/\text{NDF}$ : 9.6/11

# diff\_bpm0l03X\_rms vs Slug



Right In: 3480.850+/-1.891  $\chi^2/\text{NDF}$ : 3164966.9/9

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

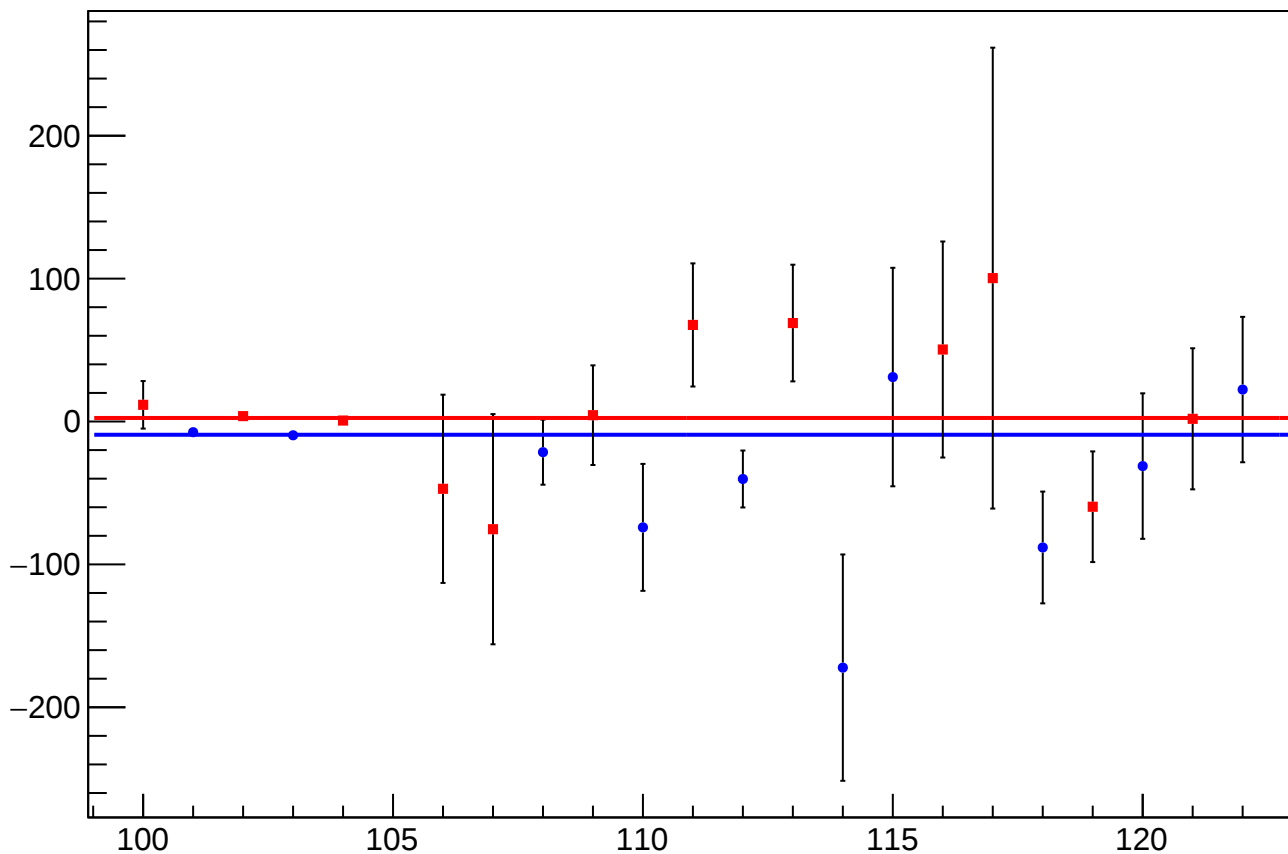
Right Out: 3771.279+/-2.033  $\chi^2/\text{NDF}$ : 4793119.8/11

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

3480.850+/-1.891  $\chi^2/\text{NDF}$ : 3164966.9/9

3771.279+/-2.033  $\chi^2/\text{NDF}$ : 4793119.8/11

# diff\_bpm0l03Y\_mean vs Slug



Right In: -9.273+/-1.835  $\chi^2/\text{NDF}$ : 14.5/9

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

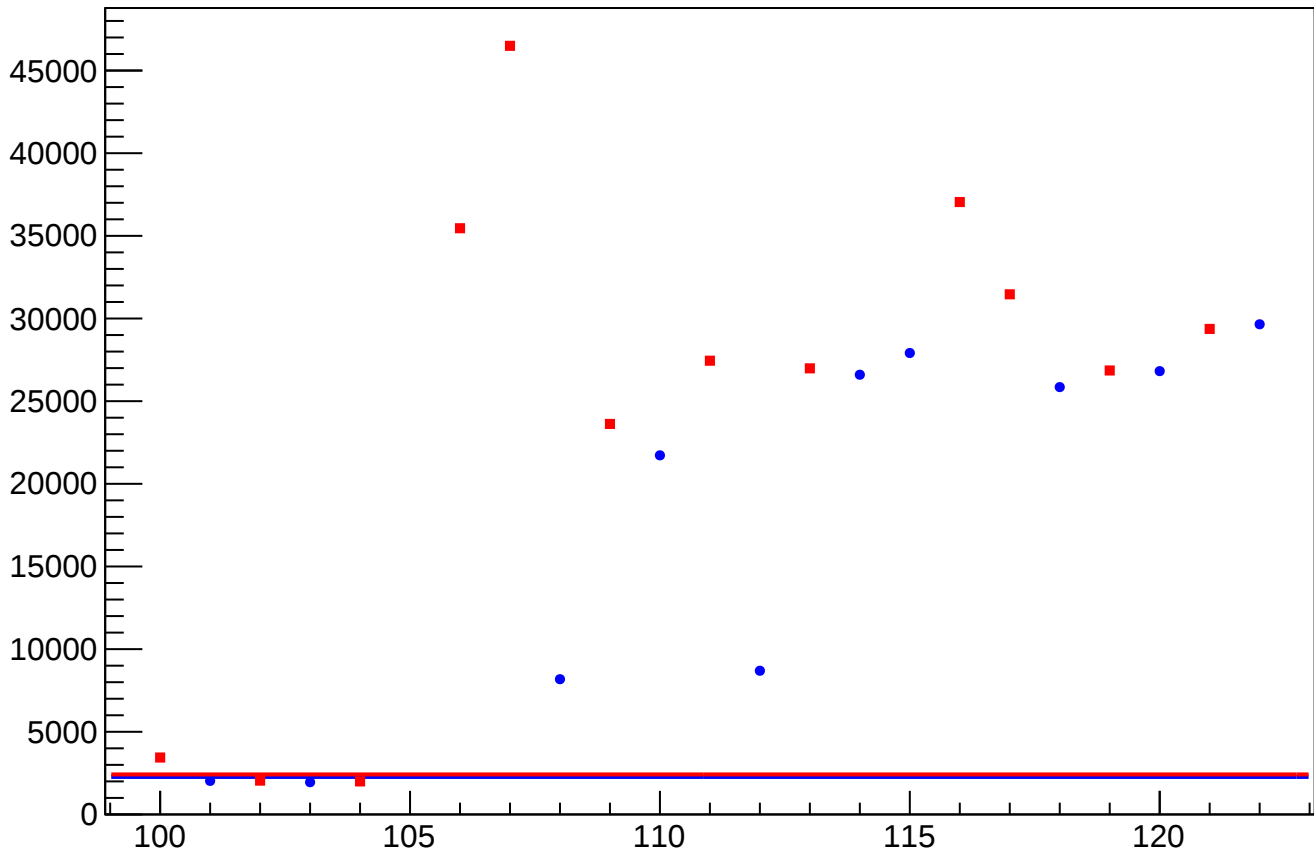
Right Out: 2.478+/-1.984  $\chi^2/\text{NDF}$ : 10.7/11

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

-9.273+/-1.835  $\chi^2/\text{NDF}$ : 14.5/9

2.478+/-1.984  $\chi^2/\text{NDF}$ : 10.7/11

# diff\_bpm0l03Y\_rms vs Slug



Right In: 2270.112 $\pm$ 1.298  $\chi^2$ /NDF: 2957079.3/9

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

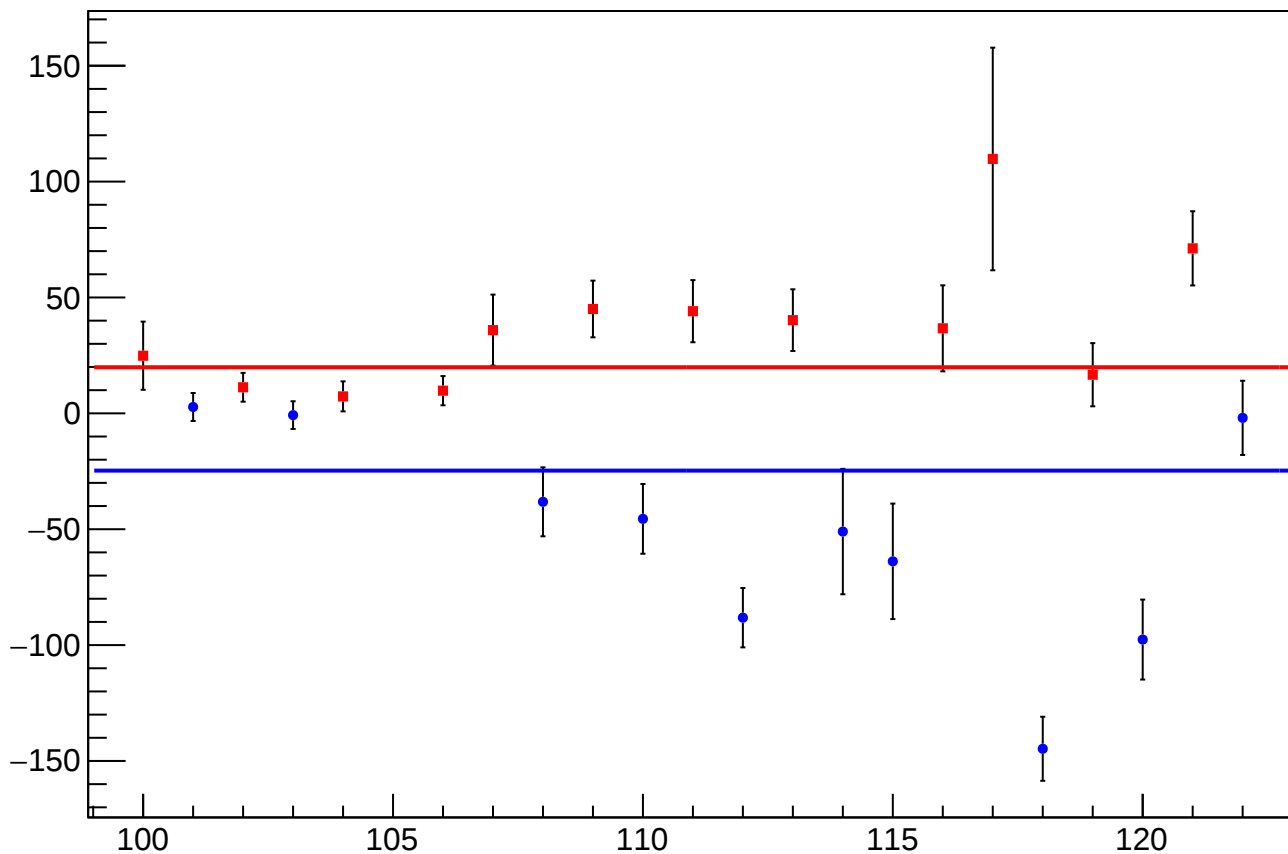
2270.112 $\pm$ 1.298  $\chi^2$ /NDF: 2957079.3/9

Right Out: 2421.329 $\pm$ 1.403  $\chi^2$ /NDF: 5202651.5/11

2421.329 $\pm$ 1.403  $\chi^2$ /NDF: 5202651.5/11

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

# diff\_bpm0l04X\_mean vs Slug



Right In: -24.707 $\pm$ 3.411  $\chi^2$ /NDF: 162.8/9

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

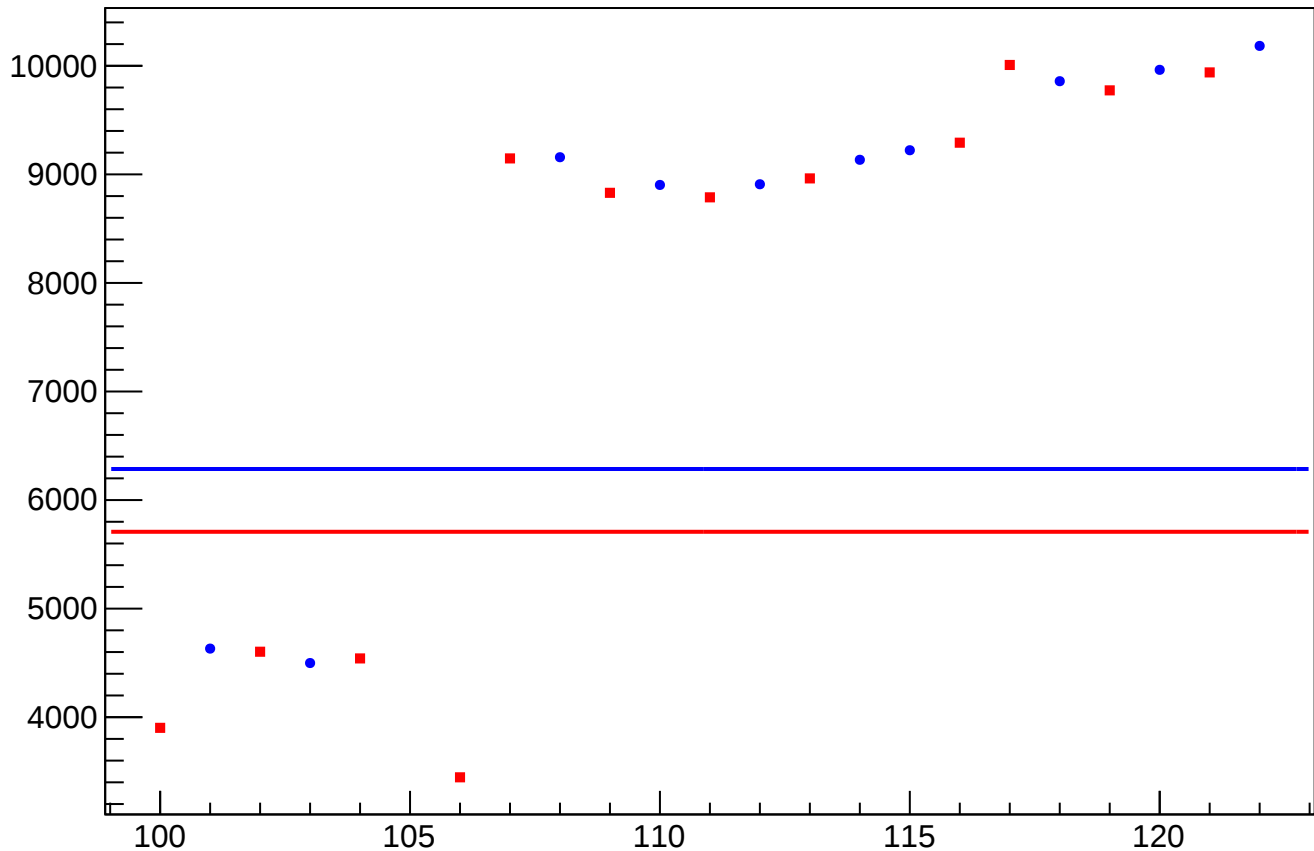
Right Out: 19.903 $\pm$ 2.958  $\chi^2$ /NDF: 34.0/11

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

-24.707 $\pm$ 3.411  $\chi^2$ /NDF: 162.8/9

19.903 $\pm$ 2.958  $\chi^2$ /NDF: 34.0/11

# diff\_bpm0l04X\_rms vs Slug



Right In: 6286.110+/-2.412  $\chi^2/\text{NDF}$ : 940882.8/9

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

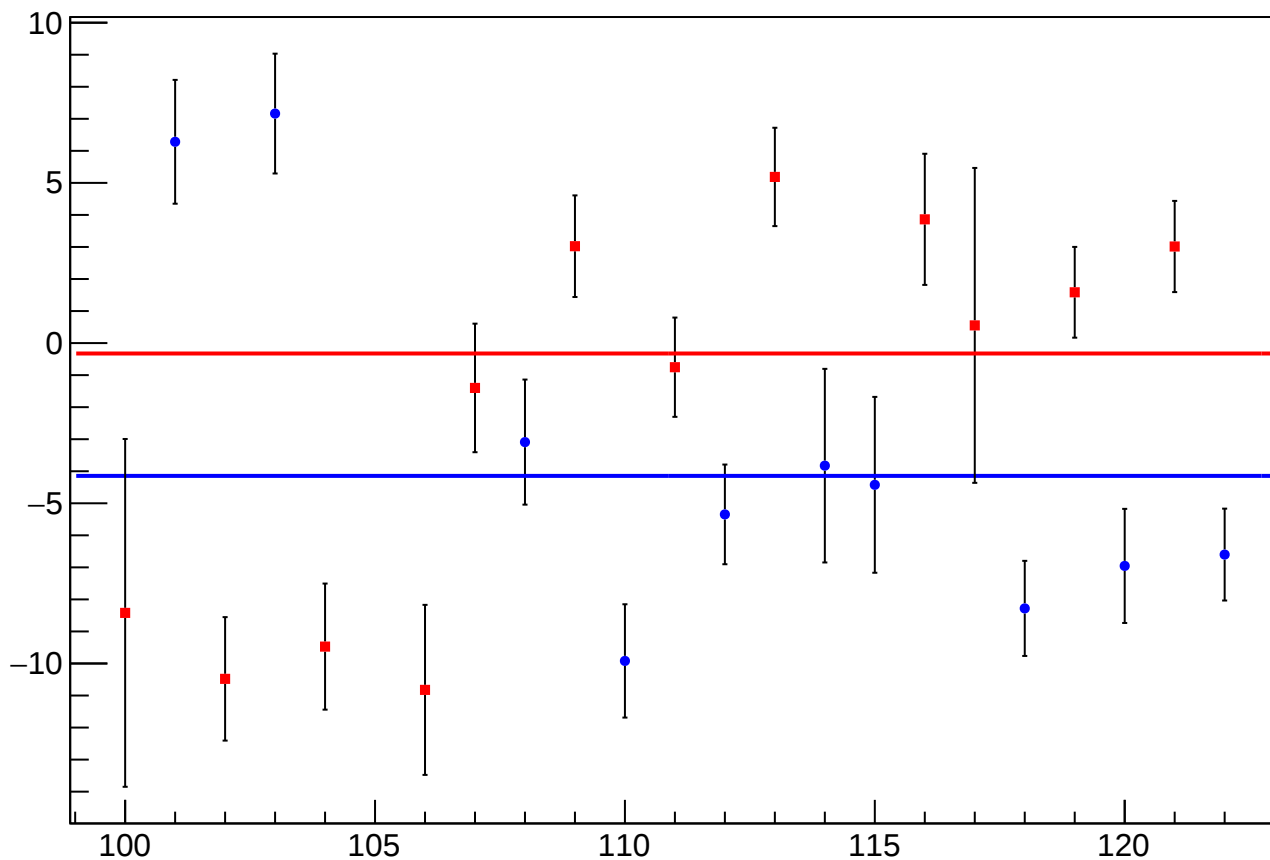
6286.110+/-2.412  $\chi^2/\text{NDF}$ : 940882.8/9

Right Out: 5707.817+/-2.091  $\chi^2/\text{NDF}$ : 1280948.2/11

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

5707.817+/-2.091  $\chi^2/\text{NDF}$ : 1280948.2/11

# diff\_bpm0l04Y\_mean vs Slug



Right In: -4.145+/-0.573  $\chi^2/\text{NDF}$ : 90.5/9

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

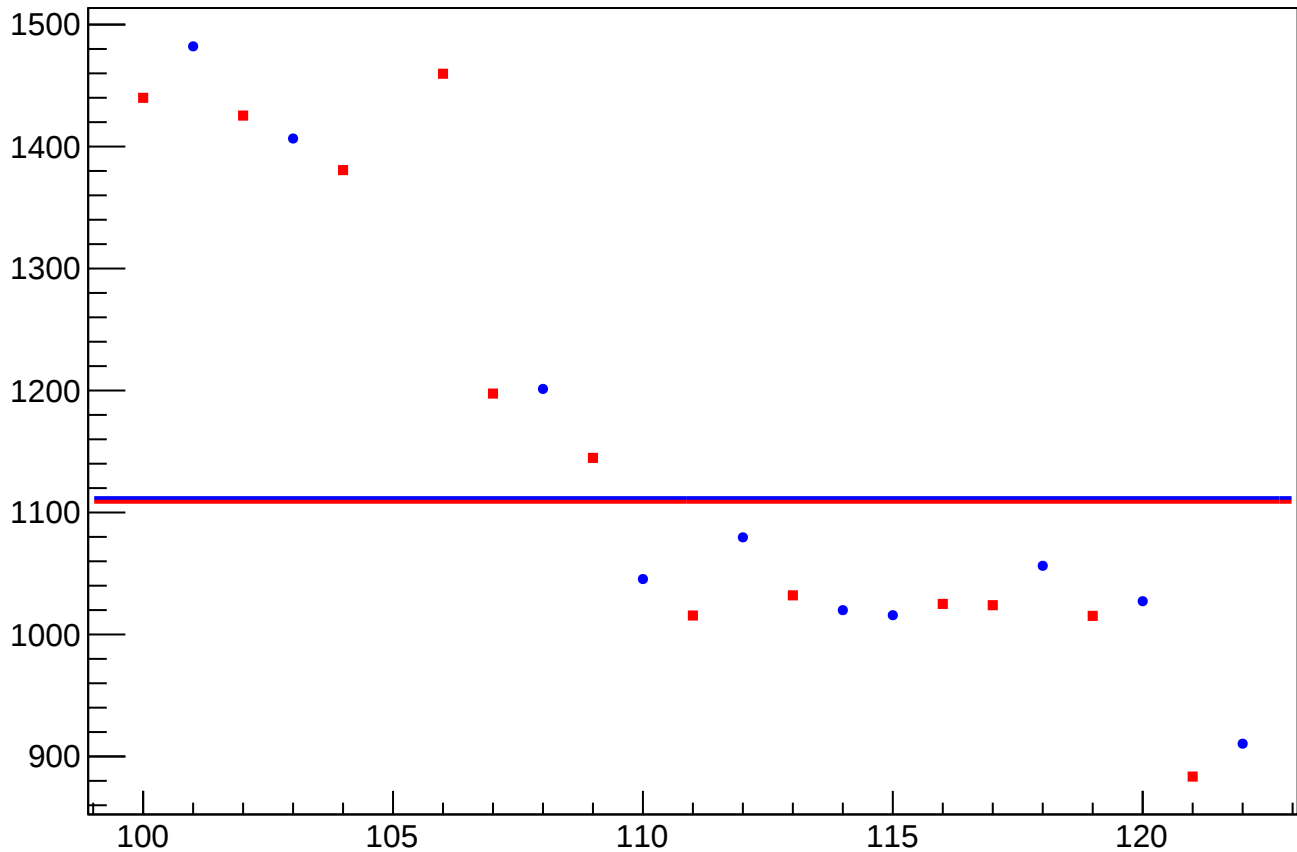
Right Out: -0.325+/-0.537  $\chi^2/\text{NDF}$ : 96.5/11

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

-4.145+/-0.573  $\chi^2/\text{NDF}$ : 90.5/9

-0.325+/-0.537  $\chi^2/\text{NDF}$ : 96.5/11

# diff\_bpm0l04Y\_rms vs Slug



Right In: 1111.774 $\pm$ 0.405  $\chi^2$ /NDF: 182102.8/9

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

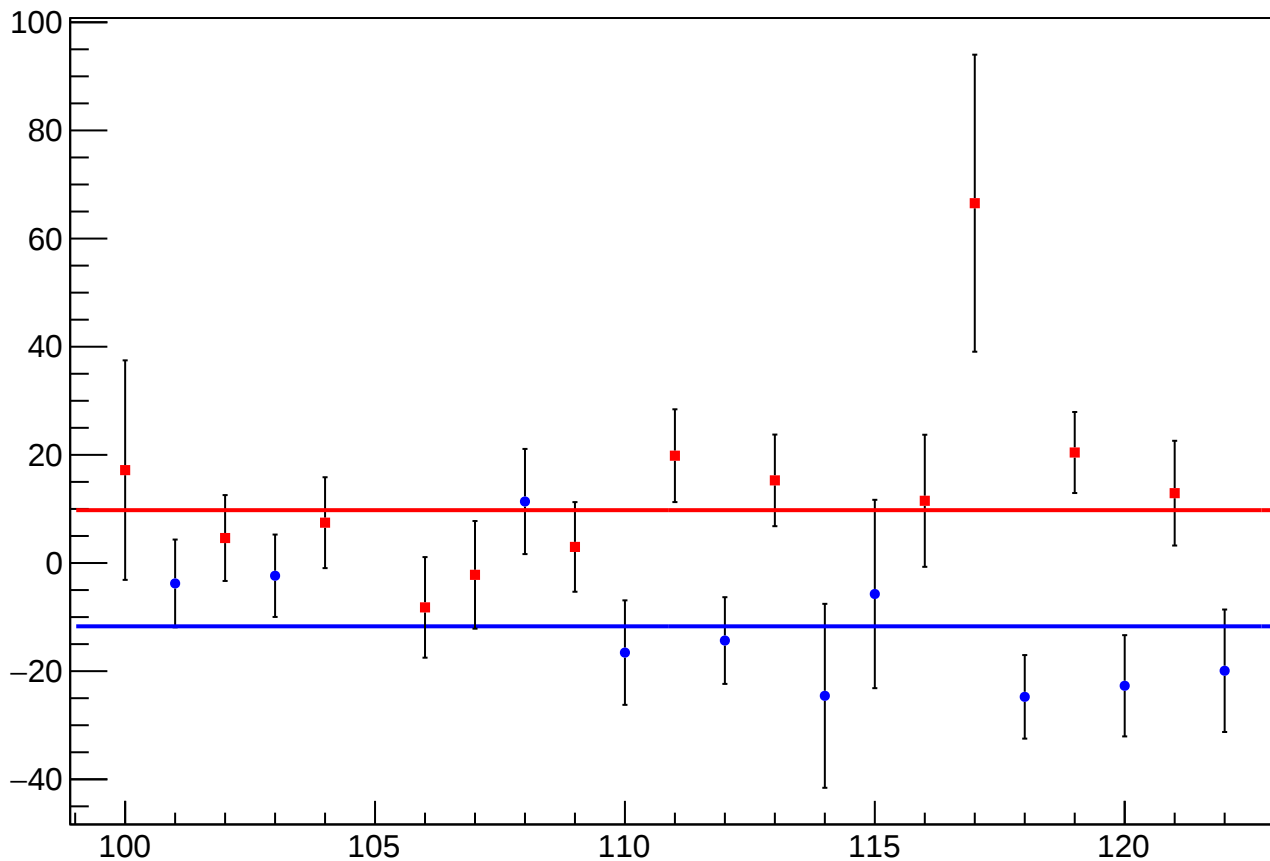
1111.774 $\pm$ 0.405  $\chi^2$ /NDF: 182102.8/9

Right Out: 1108.827 $\pm$ 0.380  $\chi^2$ /NDF: 214564.1/11

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

1108.827 $\pm$ 0.380  $\chi^2$ /NDF: 214564.1/11

# diff\_bpm0l05X\_mean vs Slug



Right In: -11.708+/-2.988  $\chi^2/\text{NDF}$ : 13.9/9

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

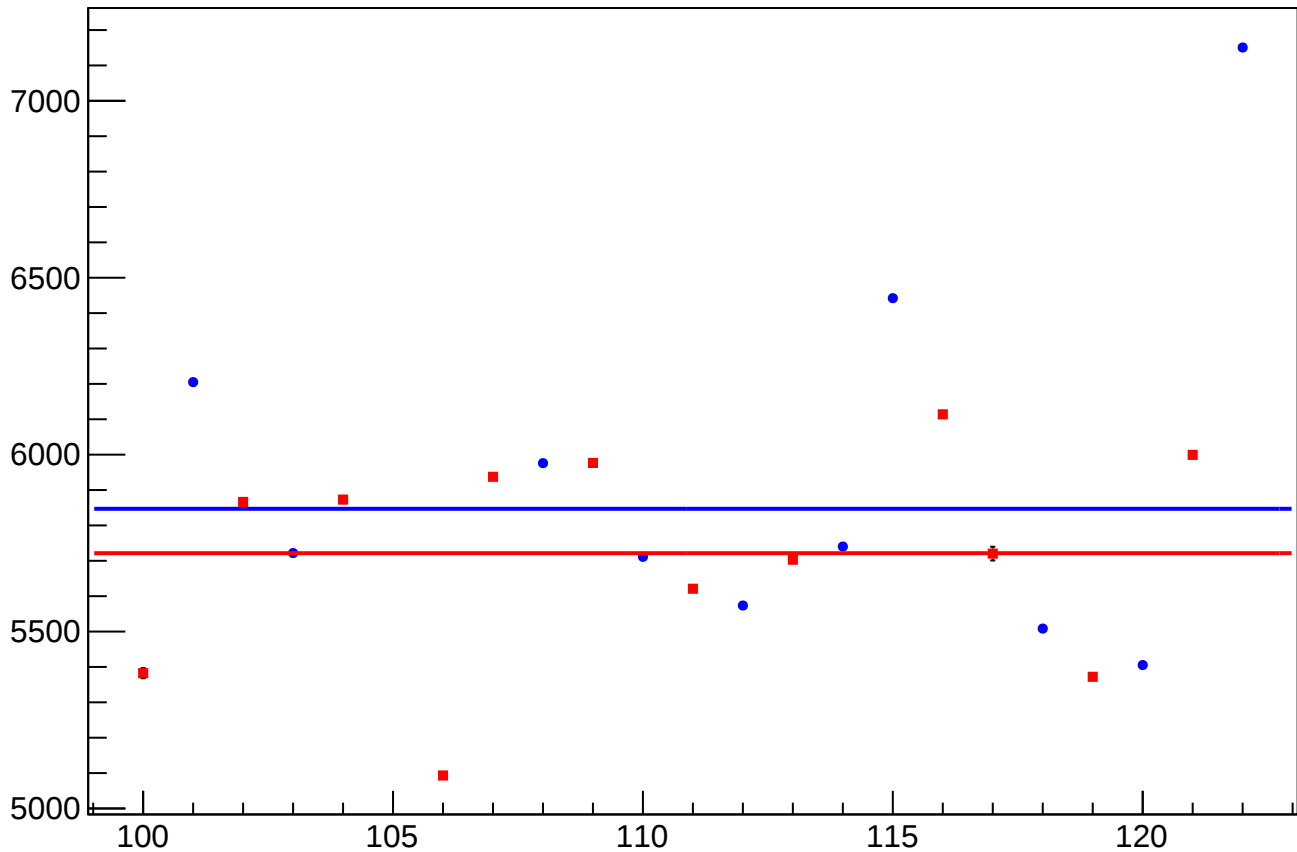
Right Out: 9.773+/-2.746  $\chi^2/\text{NDF}$ : 14.7/11

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

-11.708+/-2.988  $\chi^2/\text{NDF}$ : 13.9/9

9.773+/-2.746  $\chi^2/\text{NDF}$ : 14.7/11

# diff\_bpm0l05X\_rms vs Slug



Right In: 5846.945 $\pm$ 2.113  $\chi^2$ /NDF: 44721.9/9

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

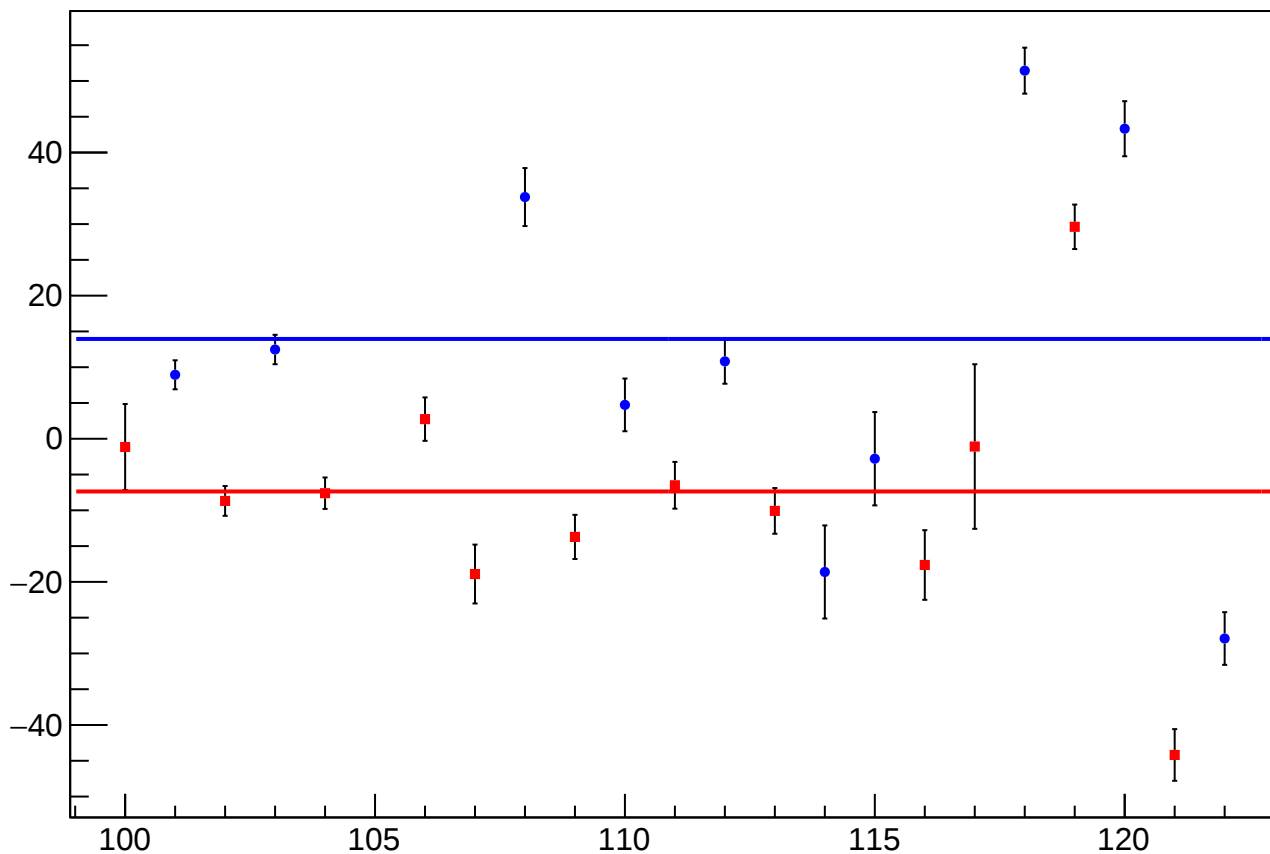
Right Out: 5721.478 $\pm$ 1.941  $\chi^2$ /NDF: 22172.7/11

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

5846.945 $\pm$ 2.113  $\chi^2$ /NDF: 44721.9/9

5721.478 $\pm$ 1.941  $\chi^2$ /NDF: 22172.7/11

# diff\_bpm0l05Y\_mean vs Slug



Right In: 13.948 $\pm$ 0.998  $\chi^2$ /NDF: 393.4/9

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

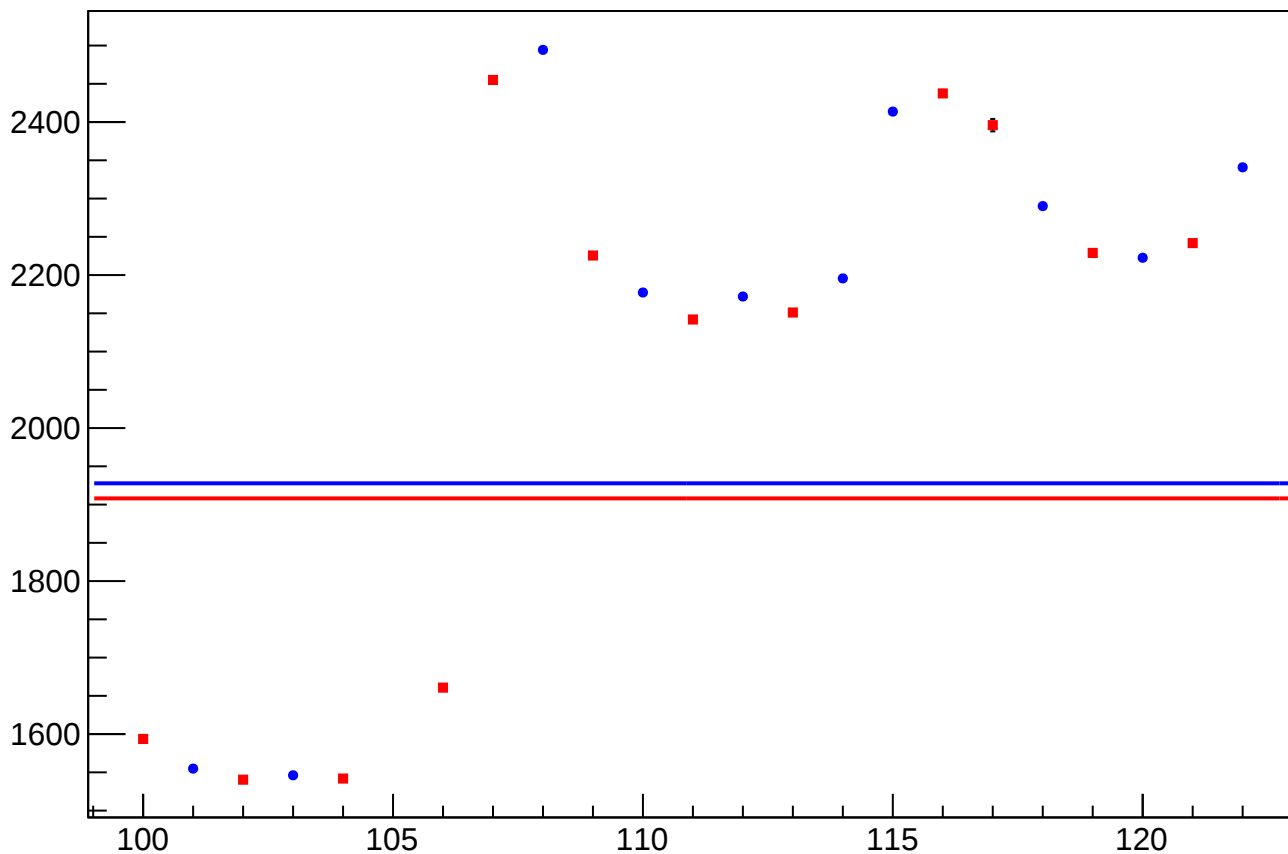
Right Out: -7.365 $\pm$ 0.928  $\chi^2$ /NDF: 275.8/11

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

13.948 $\pm$ 0.998  $\chi^2$ /NDF: 393.4/9

-7.365 $\pm$ 0.928  $\chi^2$ /NDF: 275.8/11

# diff\_bpm0l05Y\_rms vs Slug



Right In: 1927.784+/-0.706  $\chi^2/\text{NDF}$ : 274120.2/9

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

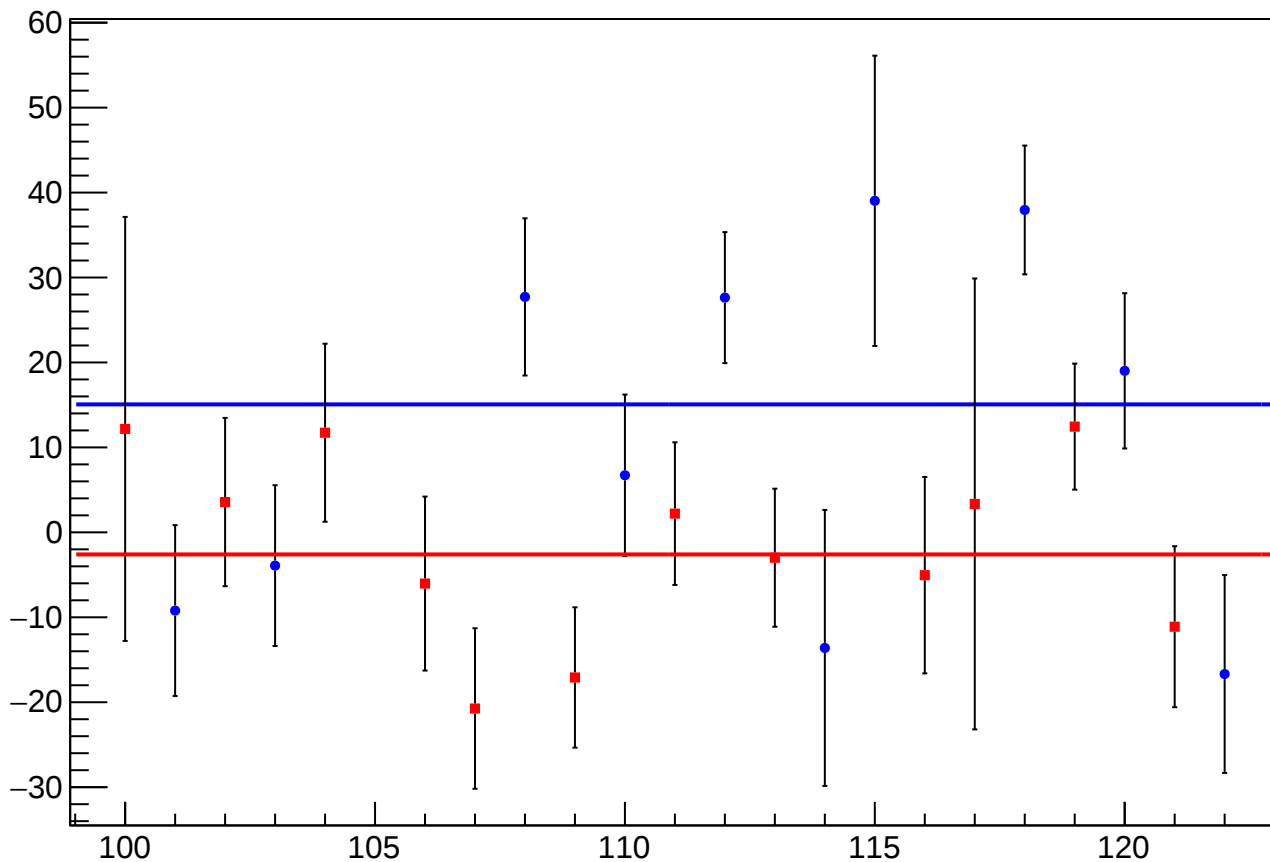
Right Out: 1908.068+/-0.657  $\chi^2/\text{NDF}$ : 280697.4/11

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

1927.784+/-0.706  $\chi^2/\text{NDF}$ : 274120.2/9

1908.068+/-0.657  $\chi^2/\text{NDF}$ : 280697.4/11

# diff\_bpm0l06X\_mean vs Slug



Right In: 15.064 $\pm$ 3.092  $\chi^2$ /NDF: 37.0/9

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

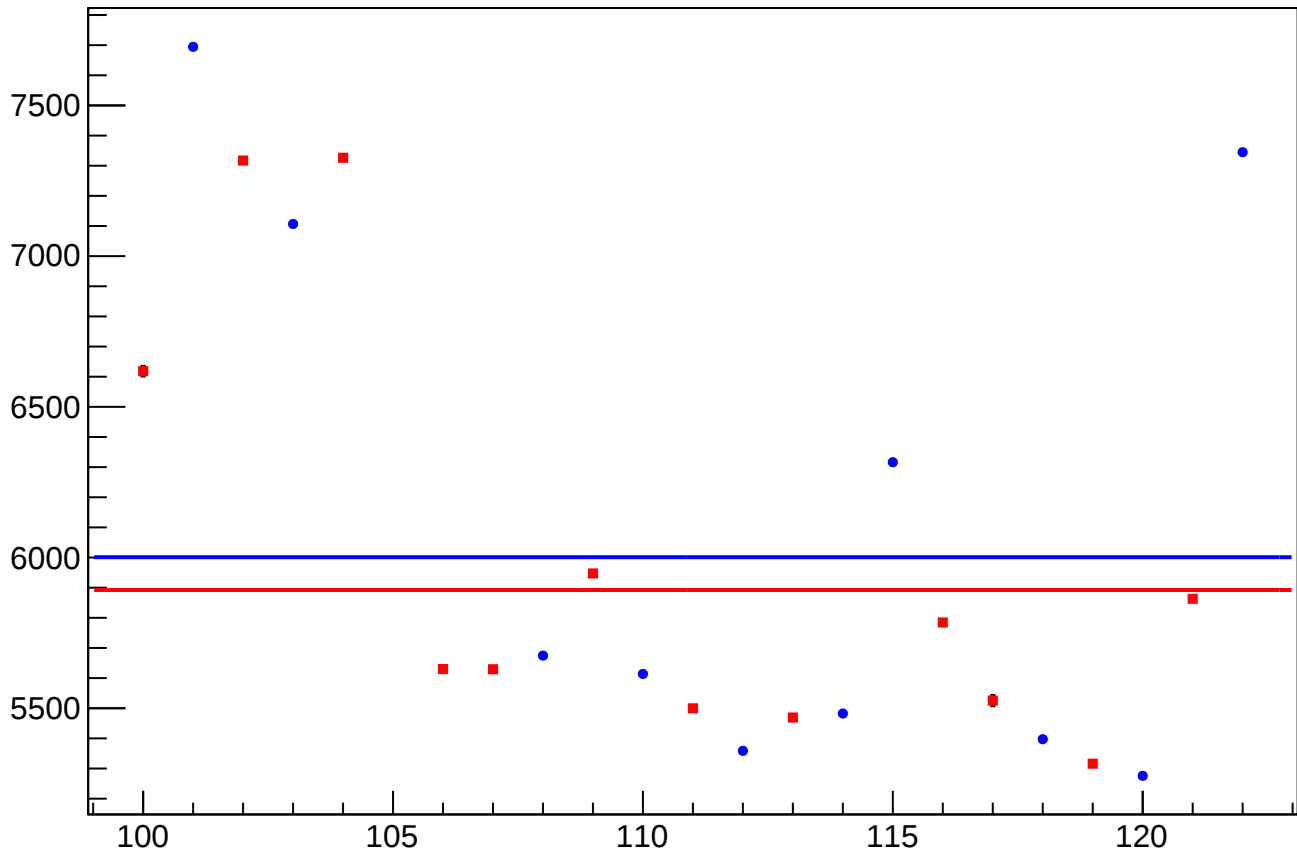
Right Out: -2.599 $\pm$ 2.842  $\chi^2$ /NDF: 14.8/11

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

15.064 $\pm$ 3.092  $\chi^2$ /NDF: 37.0/9

-2.599 $\pm$ 2.842  $\chi^2$ /NDF: 14.8/11

# diff\_bpm0l06X\_rms vs Slug



Right In: 6001.063+/-2.187  $\chi^2/\text{NDF}$ : 158294.6/9

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

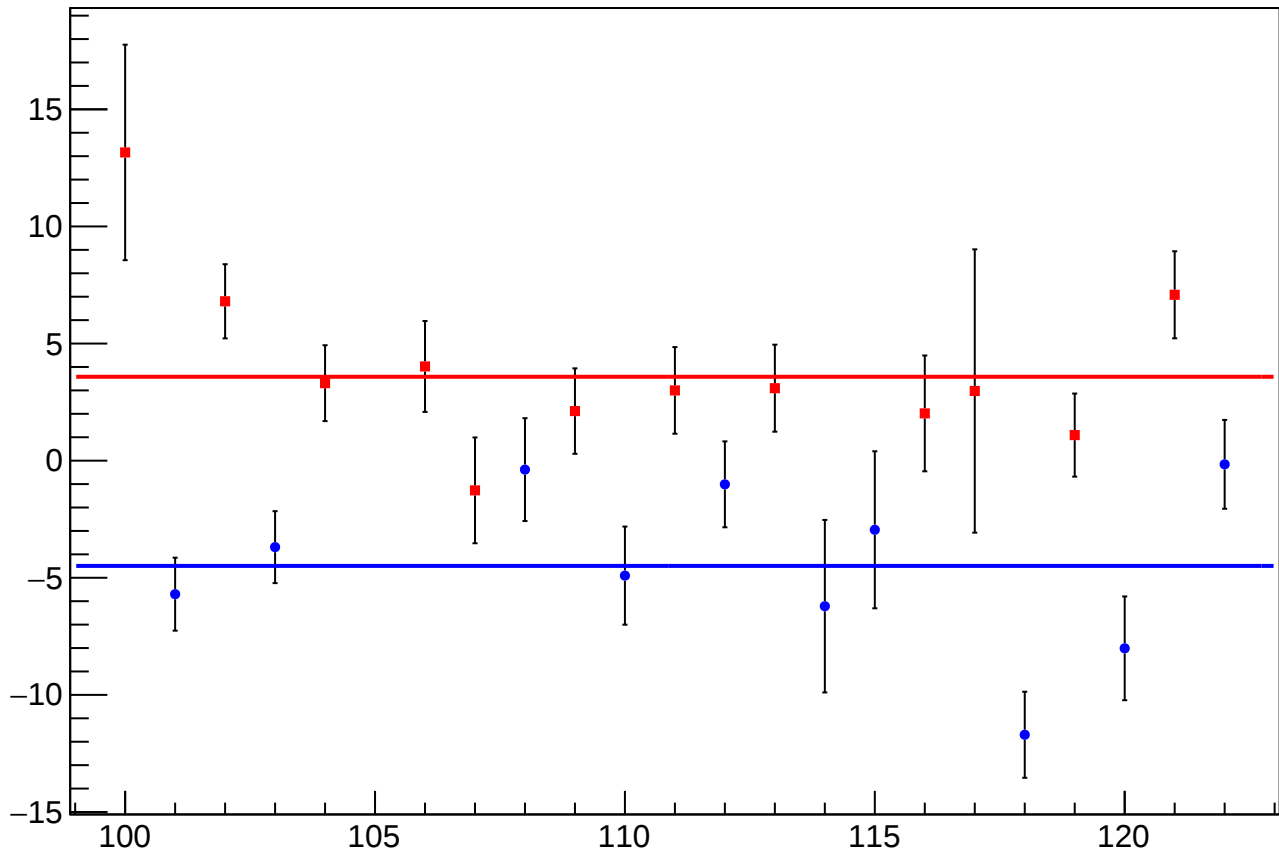
Right Out: 5892.368+/-2.010  $\chi^2/\text{NDF}$ : 105911.6/11

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

6001.063+/-2.187  $\chi^2/\text{NDF}$ : 158294.6/9

5892.368+/-2.010  $\chi^2/\text{NDF}$ : 105911.6/11

# diff\_bpm0l06Y\_mean vs Slug



Right In: -4.493+/-0.631  $\chi^2/\text{NDF}$ : 31.6/9

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

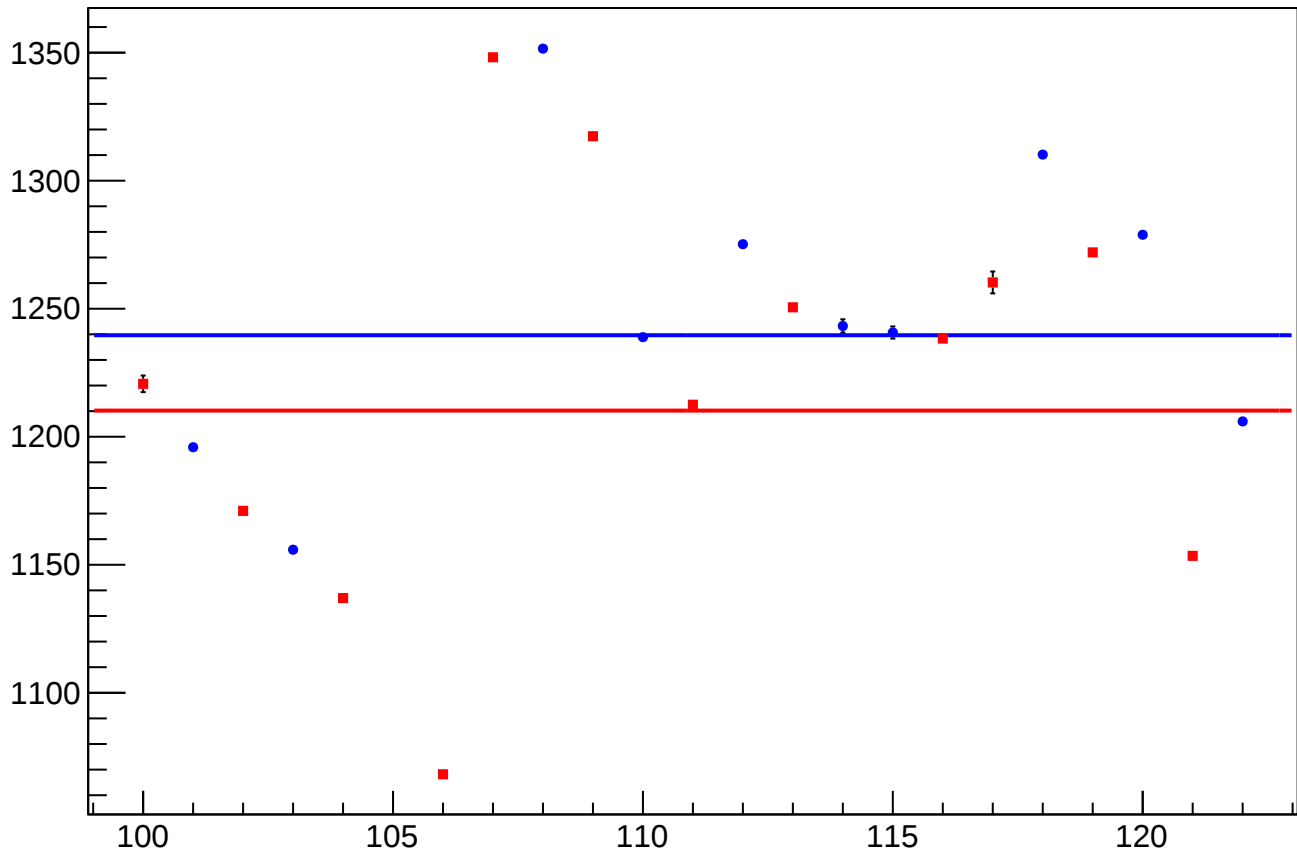
Right Out: 3.582+/-0.580  $\chi^2/\text{NDF}$ : 19.9/11

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

-4.493+/-0.631  $\chi^2/\text{NDF}$ : 31.6/9

3.582+/-0.580  $\chi^2/\text{NDF}$ : 19.9/11

# diff\_bpm0l06Y\_rms vs Slug



Right In: 1239.640 $\pm$ 0.446  $\chi^2$ /NDF: 17678.1/9

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

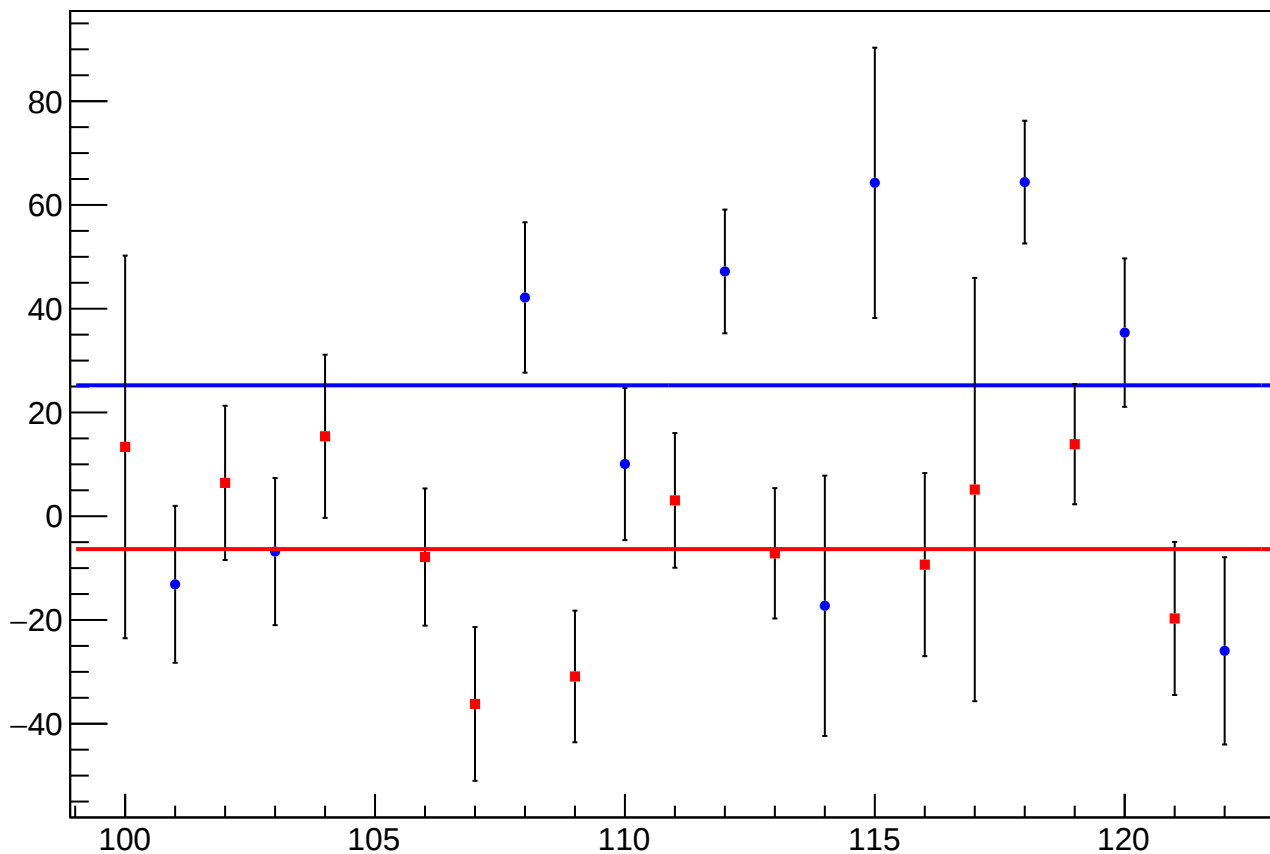
Right Out: 1210.215 $\pm$ 0.410  $\chi^2$ /NDF: 36035.3/11

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

1239.640 $\pm$ 0.446  $\chi^2$ /NDF: 17678.1/9

1210.215 $\pm$ 0.410  $\chi^2$ /NDF: 36035.3/11

# diff\_bpm0l07X\_mean vs Slug



Right In: 25.232+/-4.770  $\chi^2/\text{NDF}$ : 42.0/9

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

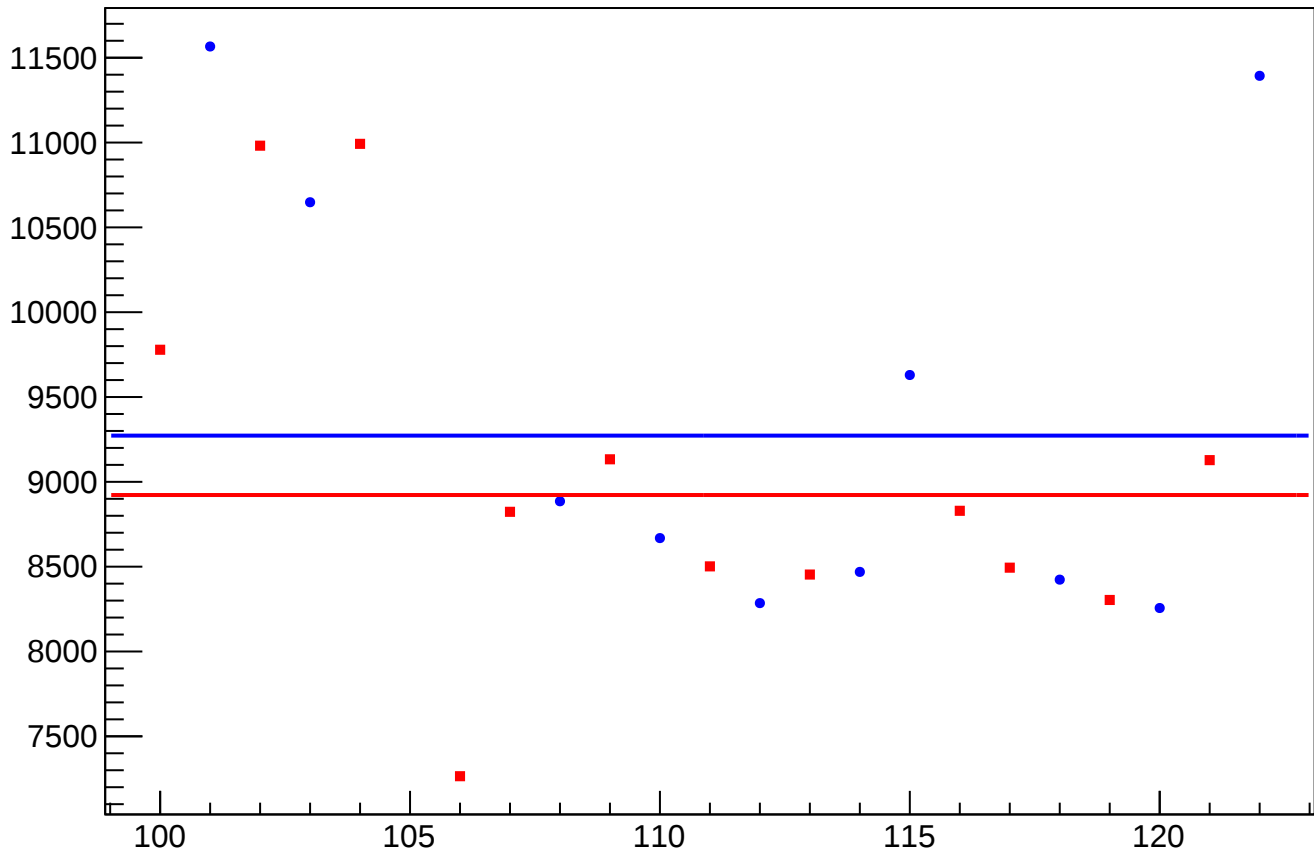
Right Out: -6.337+/-4.306  $\chi^2/\text{NDF}$ : 15.3/11

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

25.232+/-4.770  $\chi^2/\text{NDF}$ : 42.0/9

-6.337+/-4.306  $\chi^2/\text{NDF}$ : 15.3/11

# diff\_bpm0l07X\_rms vs Slug



Right In: 9272.506 $\pm$ 3.373  $\chi^2$ /NDF: 133806.6/9

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

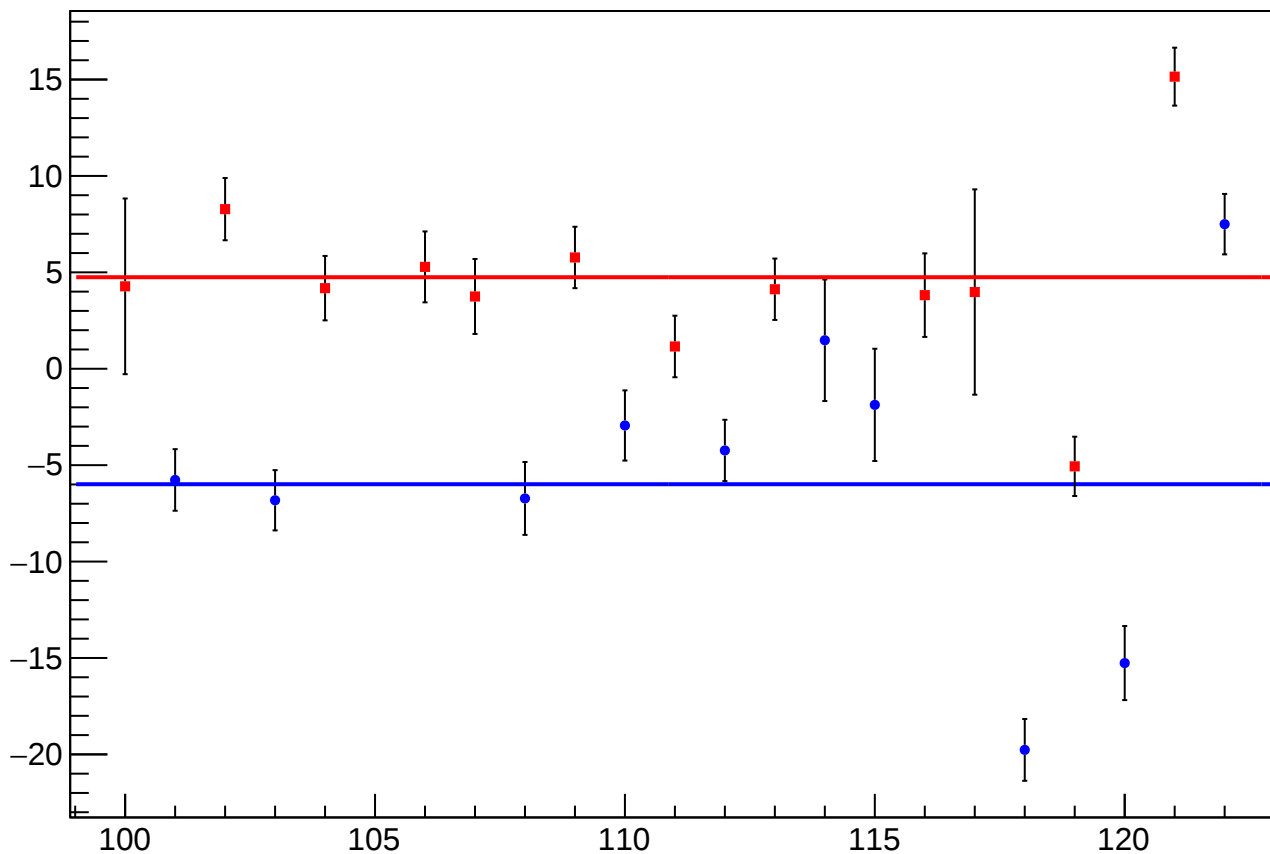
9272.506 $\pm$ 3.373  $\chi^2$ /NDF: 133806.6/9

Right Out: 8922.341 $\pm$ 3.045  $\chi^2$ /NDF: 117463.4/11

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

8922.341 $\pm$ 3.045  $\chi^2$ /NDF: 117463.4/11

# diff\_bpm0l07Y\_mean vs Slug



Right In: -5.989+/-0.571  $\chi^2/\text{NDF}$ : 183.3/9

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

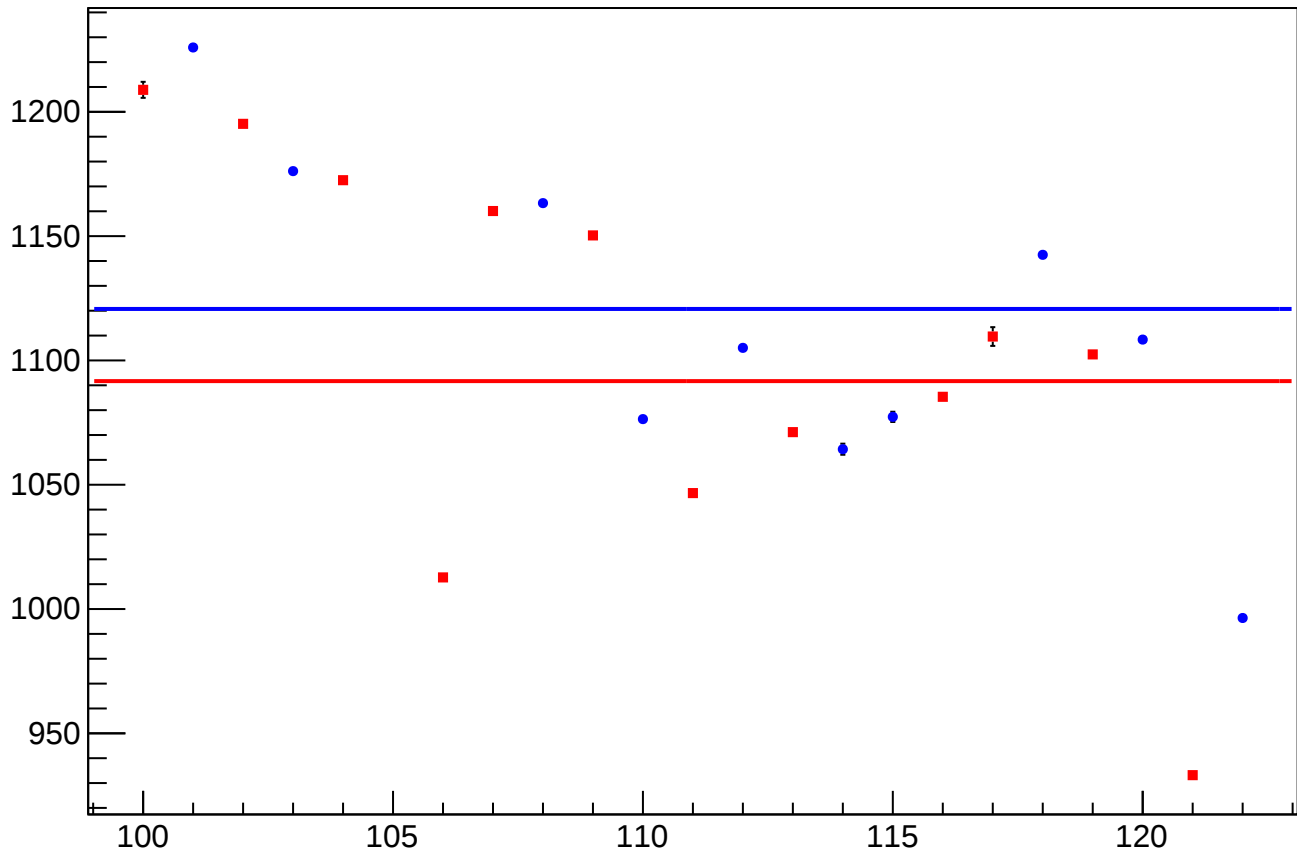
Right Out: 4.748+/-0.524  $\chi^2/\text{NDF}$ : 99.7/11

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

-5.989+/-0.571  $\chi^2/\text{NDF}$ : 183.3/9

4.748+/-0.524  $\chi^2/\text{NDF}$ : 99.7/11

# diff\_bpm0l07Y\_rms vs Slug



Right In: 1120.711 $\pm$ 0.404  $\chi^2$ /NDF: 27696.2/9

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

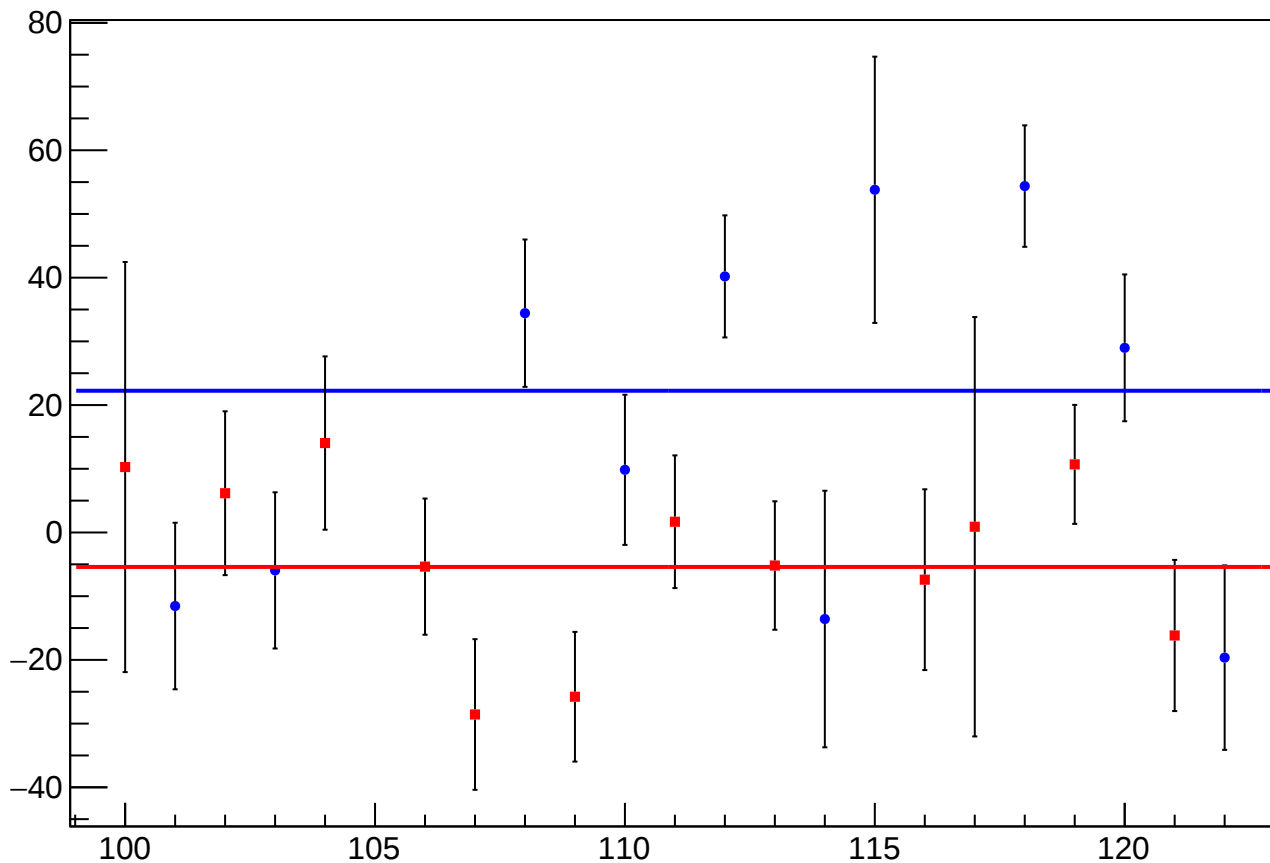
Right Out: 1091.683 $\pm$ 0.370  $\chi^2$ /NDF: 47391.0/11

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

1120.711 $\pm$ 0.404  $\chi^2$ /NDF: 27696.2/9

1091.683 $\pm$ 0.370  $\chi^2$ /NDF: 47391.0/11

# diff\_bpm0l08X\_mean vs Slug



Right In: 22.250+/-3.889  $\chi^2$ /NDF: 43.2/9

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

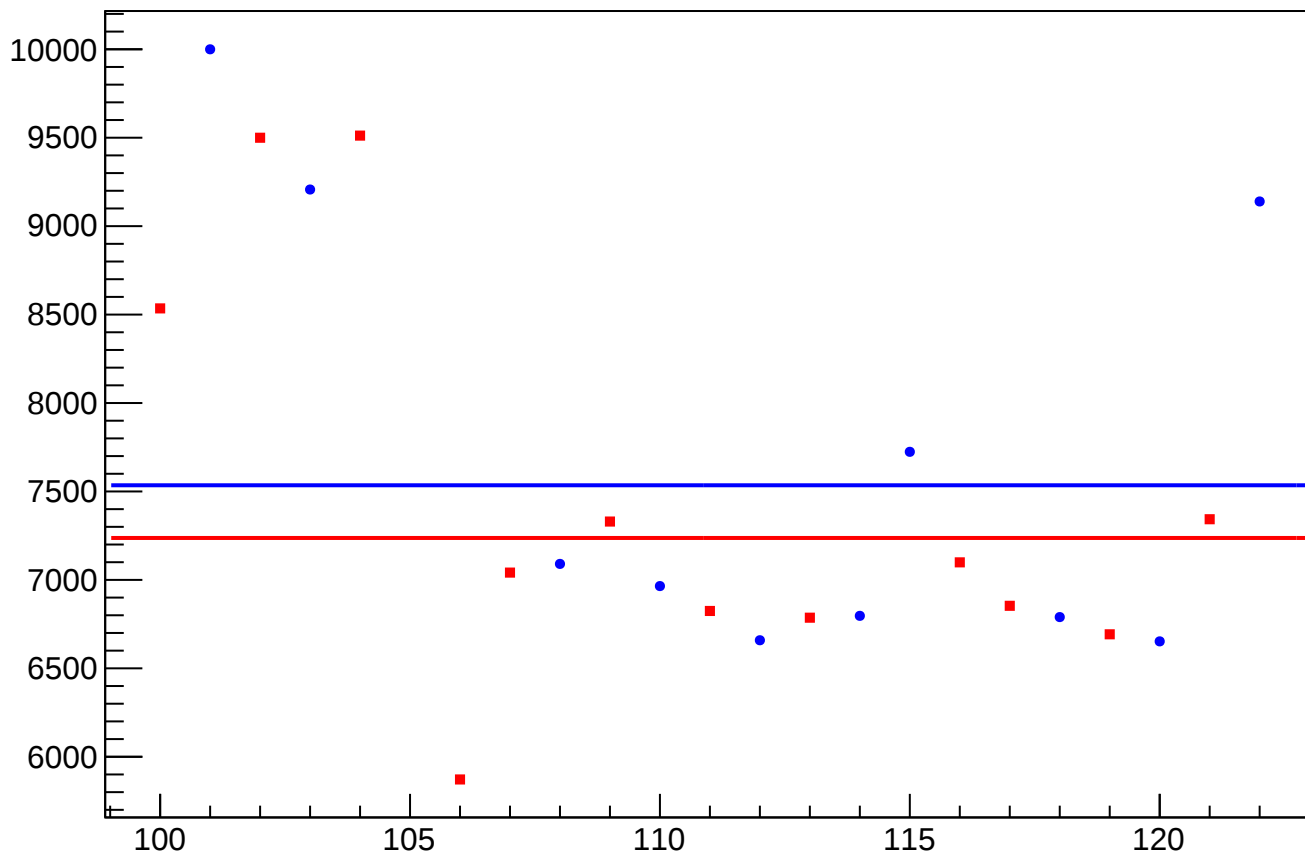
Right Out: -5.408+/-3.503  $\chi^2$ /NDF: 15.2/11

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

22.250+/-3.889  $\chi^2$ /NDF: 43.2/9

-5.408+/-3.503  $\chi^2$ /NDF: 15.2/11

# diff\_bpm0l08X\_rms vs Slug



Right In: 7534.987 $\pm$ 2.750  $\chi^2$ /NDF: 184023.2/9

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

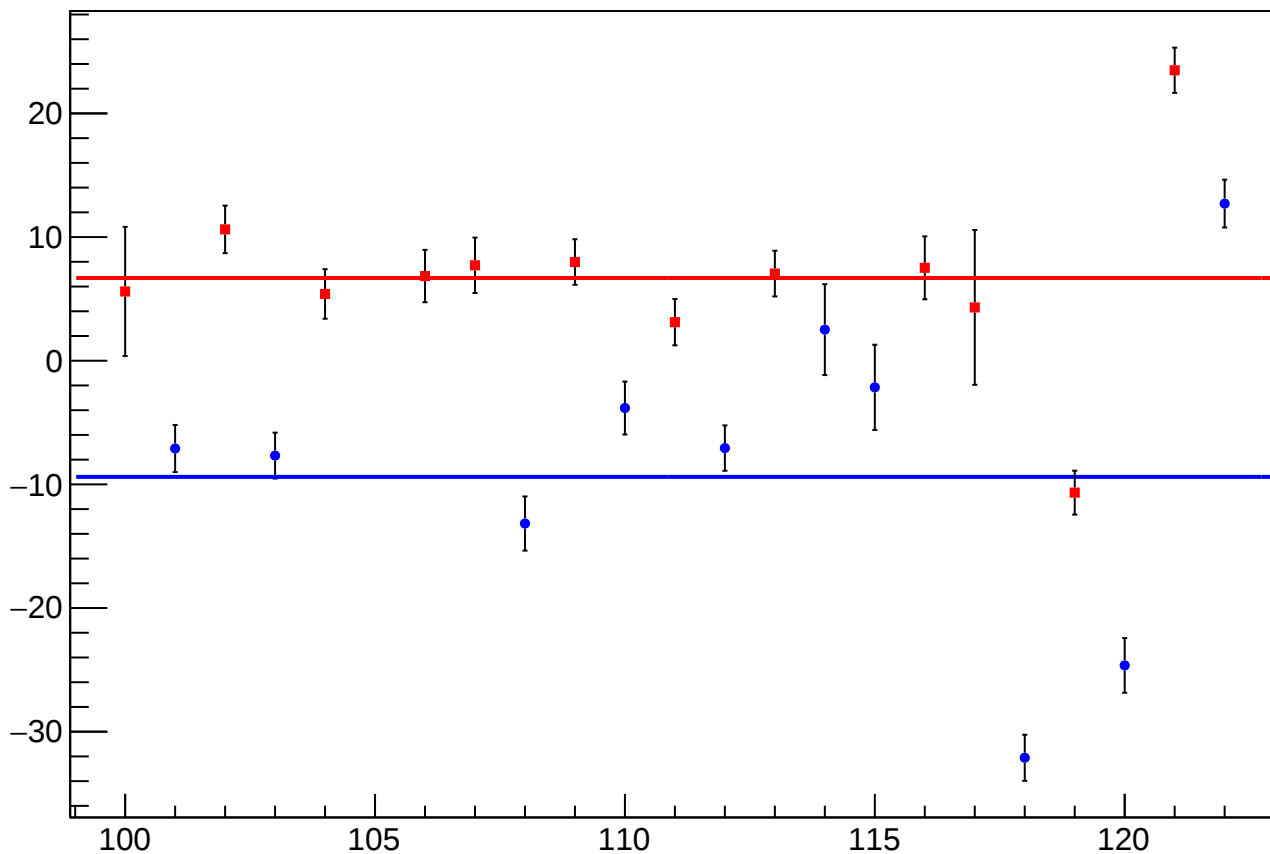
Right Out: 7237.095 $\pm$ 2.477  $\chi^2$ /NDF: 168983.6/11

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

7534.987 $\pm$ 2.750  $\chi^2$ /NDF: 184023.2/9

7237.095 $\pm$ 2.477  $\chi^2$ /NDF: 168983.6/11

# diff\_bpm0l08Y\_mean vs Slug



Right In: -9.394+/-0.673  $\chi^2$ /NDF: 355.5/9

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

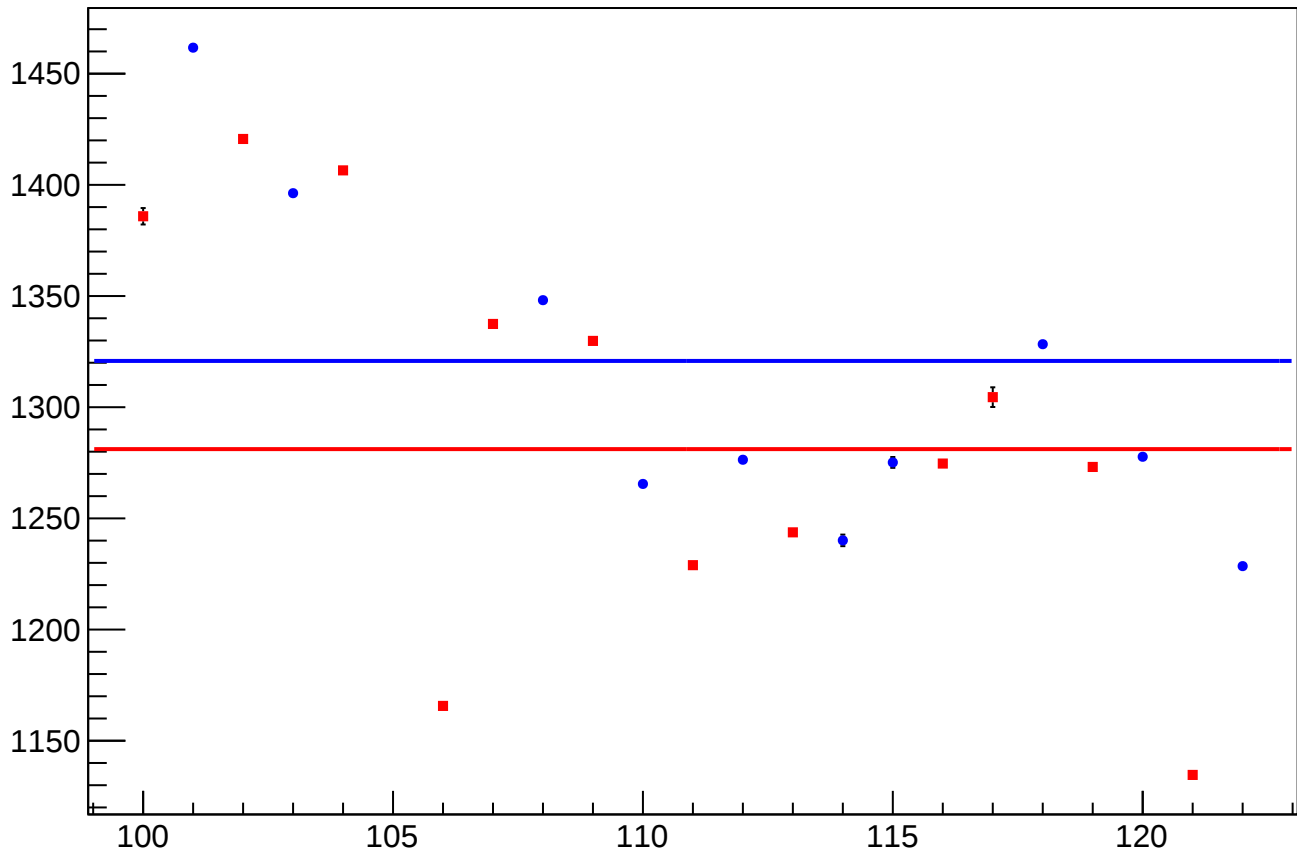
Right Out: 6.692+/-0.615  $\chi^2$ /NDF: 189.4/11

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

-9.394+/-0.673  $\chi^2$ /NDF: 355.5/9

6.692+/-0.615  $\chi^2$ /NDF: 189.4/11

# diff\_bpm0l08Y\_rms vs Slug



Right In: 1320.815 $\pm$ 0.476  $\chi^2$ /NDF: 23729.2/9

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

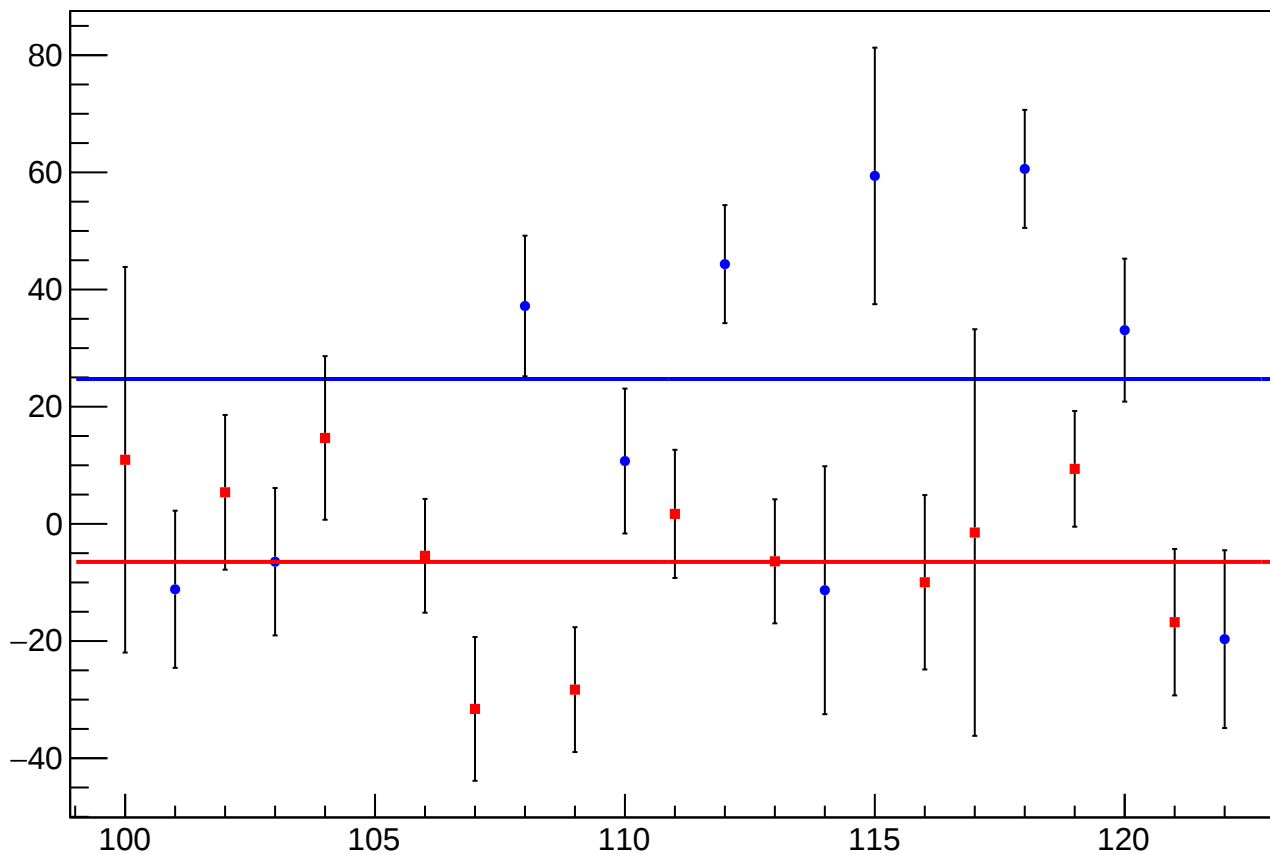
Right Out: 1281.155 $\pm$ 0.435  $\chi^2$ /NDF: 43096.3/11

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

1320.815 $\pm$ 0.476  $\chi^2$ /NDF: 23729.2/9

1281.155 $\pm$ 0.435  $\chi^2$ /NDF: 43096.3/11

# diff\_bpm0l09X\_mean vs Slug



Right In: 24.730+/-4.067  $\chi^2$ /NDF: 46.6/9

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

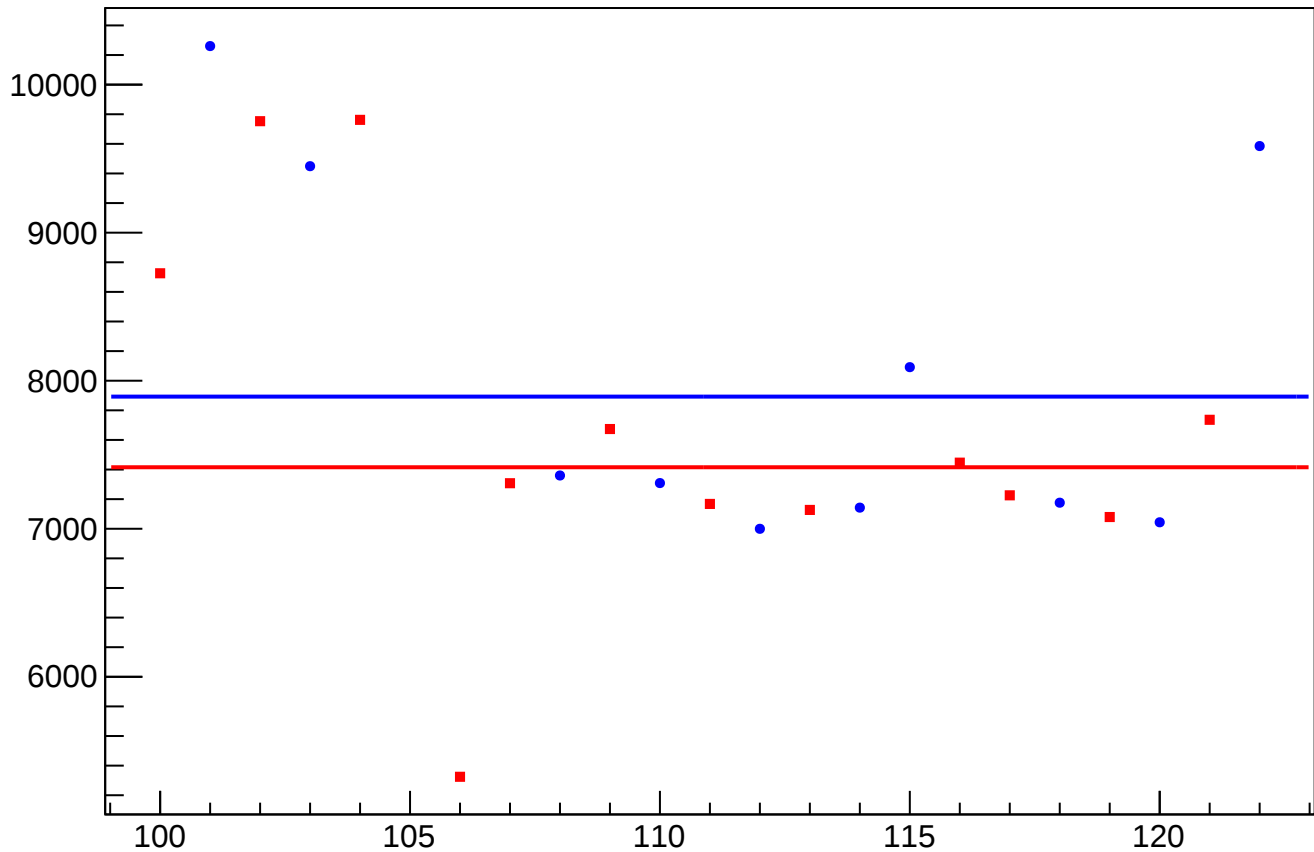
Right Out: -6.491+/-3.601  $\chi^2$ /NDF: 15.7/11

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

24.730+/-4.067  $\chi^2$ /NDF: 46.6/9

-6.491+/-3.601  $\chi^2$ /NDF: 15.7/11

# diff\_bpm0l09X\_rms vs Slug



Right In: 7892.654 $\pm$ 2.876  $\chi^2$ /NDF: 164408.9/9

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

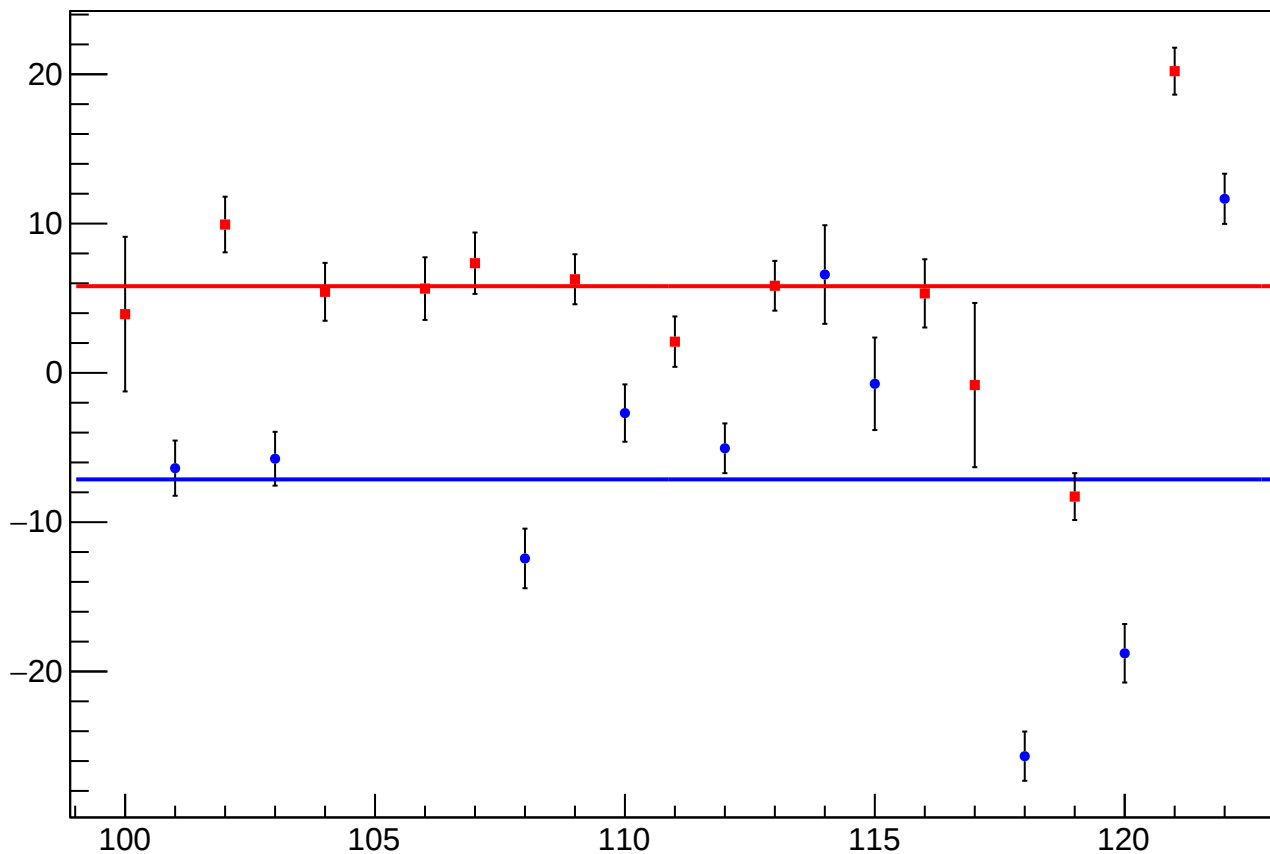
7892.654 $\pm$ 2.876  $\chi^2$ /NDF: 164408.9/9

Right Out: 7415.449 $\pm$ 2.546  $\chi^2$ /NDF: 222586.0/11

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

7415.449 $\pm$ 2.546  $\chi^2$ /NDF: 222586.0/11

# diff\_bpm0l09Y\_mean vs Slug



Right In: -7.134+/-0.613  $\chi^2$ /NDF: 323.0/9

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

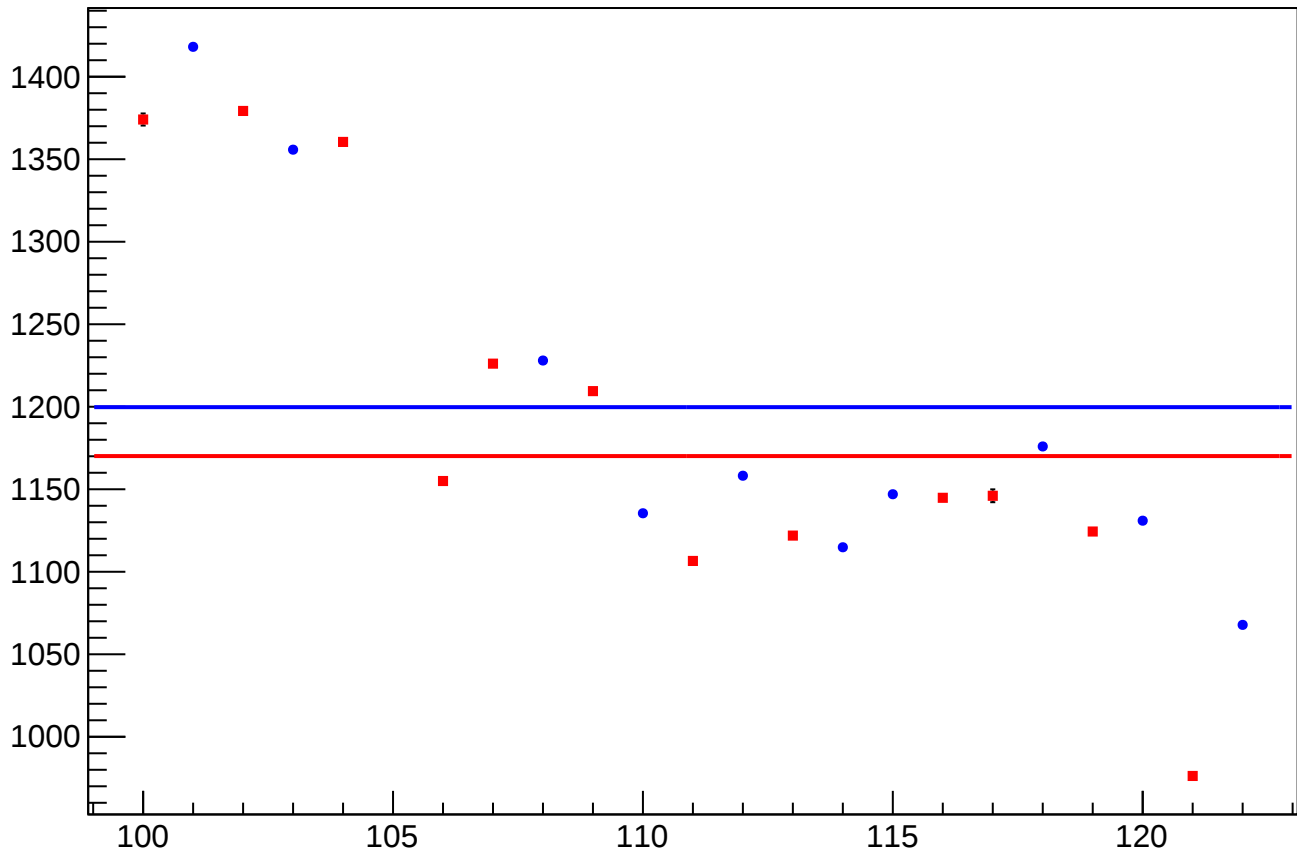
Right Out: 5.807+/-0.563  $\chi^2$ /NDF: 176.7/11

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

-7.134+/-0.613  $\chi^2$ /NDF: 323.0/9

5.807+/-0.563  $\chi^2$ /NDF: 176.7/11

# diff\_bpm0l09Y\_rms vs Slug



Right In: 1199.759 $\pm$ 0.433  $\chi^2$ /NDF: 63912.5/9

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

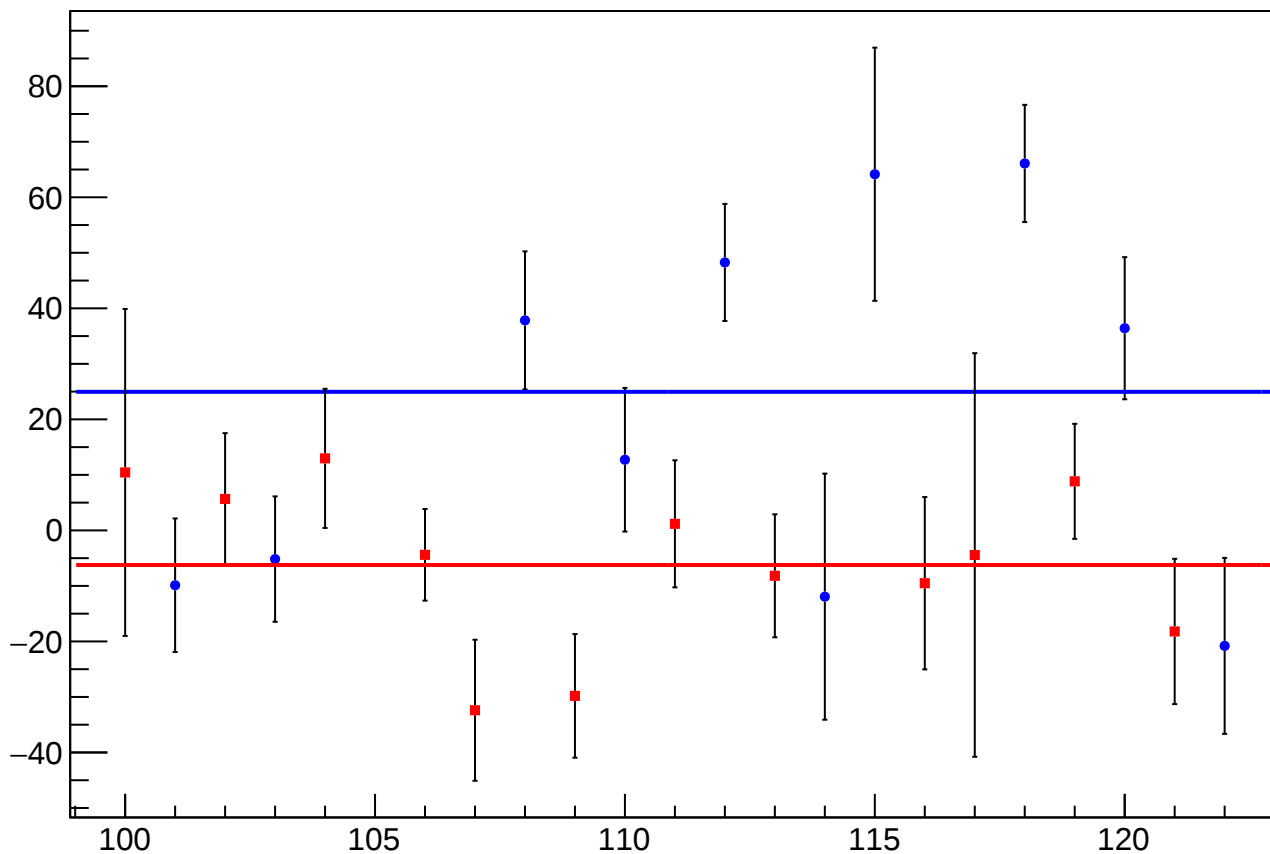
Right Out: 1170.112 $\pm$ 0.398  $\chi^2$ /NDF: 87123.2/11

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

1199.759 $\pm$ 0.433  $\chi^2$ /NDF: 63912.5/9

1170.112 $\pm$ 0.398  $\chi^2$ /NDF: 87123.2/11

# diff\_bpm0l10X\_mean vs Slug



Right In: 24.960+/-4.109  $\chi^2/\text{NDF}$ : 52.4/9

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

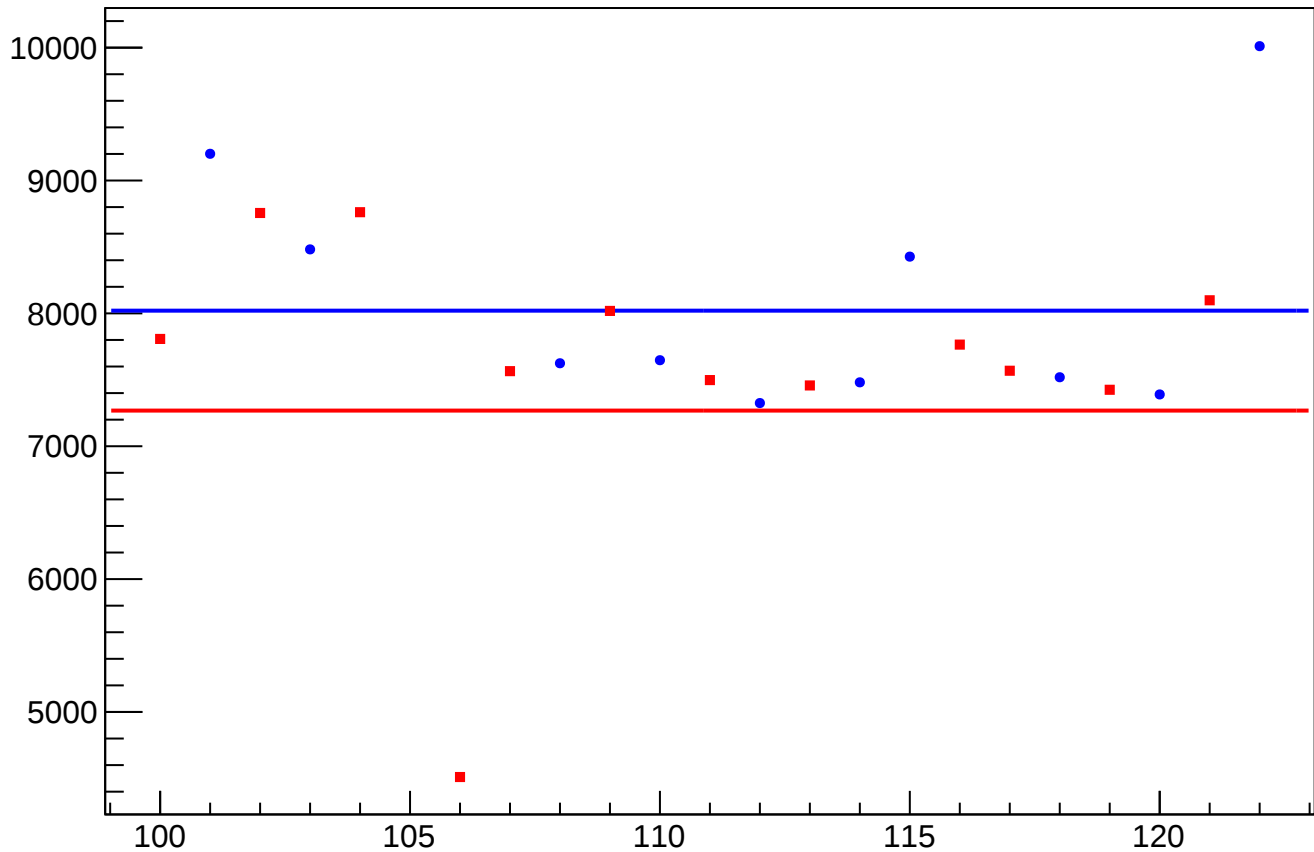
Right Out: -6.234+/-3.548  $\chi^2/\text{NDF}$ : 15.9/11

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

24.960+/-4.109  $\chi^2/\text{NDF}$ : 52.4/9

-6.234+/-3.548  $\chi^2/\text{NDF}$ : 15.9/11

# diff\_bpm0l10X\_rms vs Slug



Right In: 8020.455+/-2.906  $\chi^2/\text{NDF}$ : 77759.7/9

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

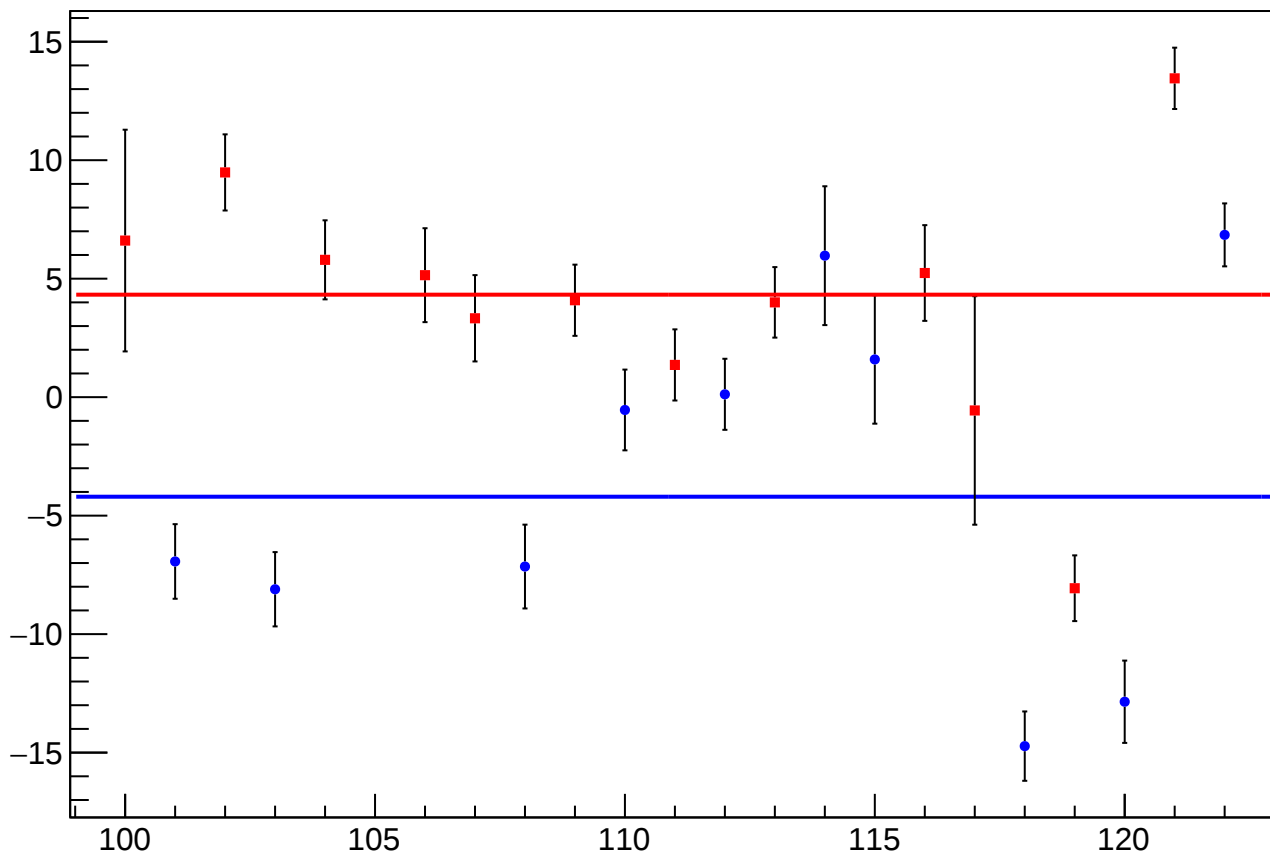
Right Out: 7268.362+/-2.509  $\chi^2/\text{NDF}$ : 306256.5/11

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

8020.455+/-2.906  $\chi^2/\text{NDF}$ : 77759.7/9

7268.362+/-2.509  $\chi^2/\text{NDF}$ : 306256.5/11

# diff\_bpm0l10Y\_mean vs Slug



Right In: -4.201+/-0.532  $\chi^2/\text{NDF}$ : 187.3/9

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

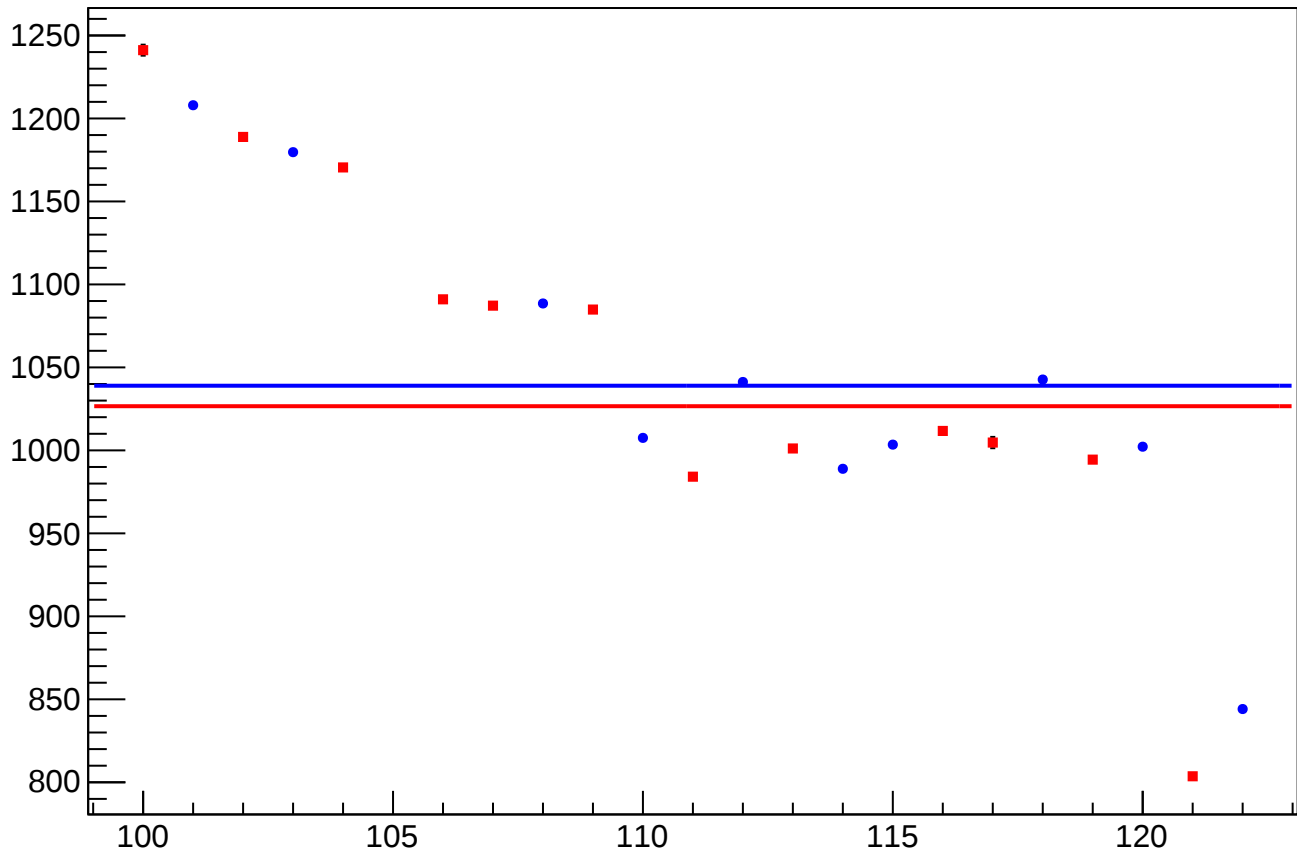
Right Out: 4.325+/-0.494  $\chi^2/\text{NDF}$ : 146.5/11

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

-4.201+/-0.532  $\chi^2/\text{NDF}$ : 187.3/9

4.325+/-0.494  $\chi^2/\text{NDF}$ : 146.5/11

# diff\_bpm0l10Y\_rms vs Slug



Right In: 1038.960 $\pm$ 0.376  $\chi^2$ /NDF: 86278.3/9

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

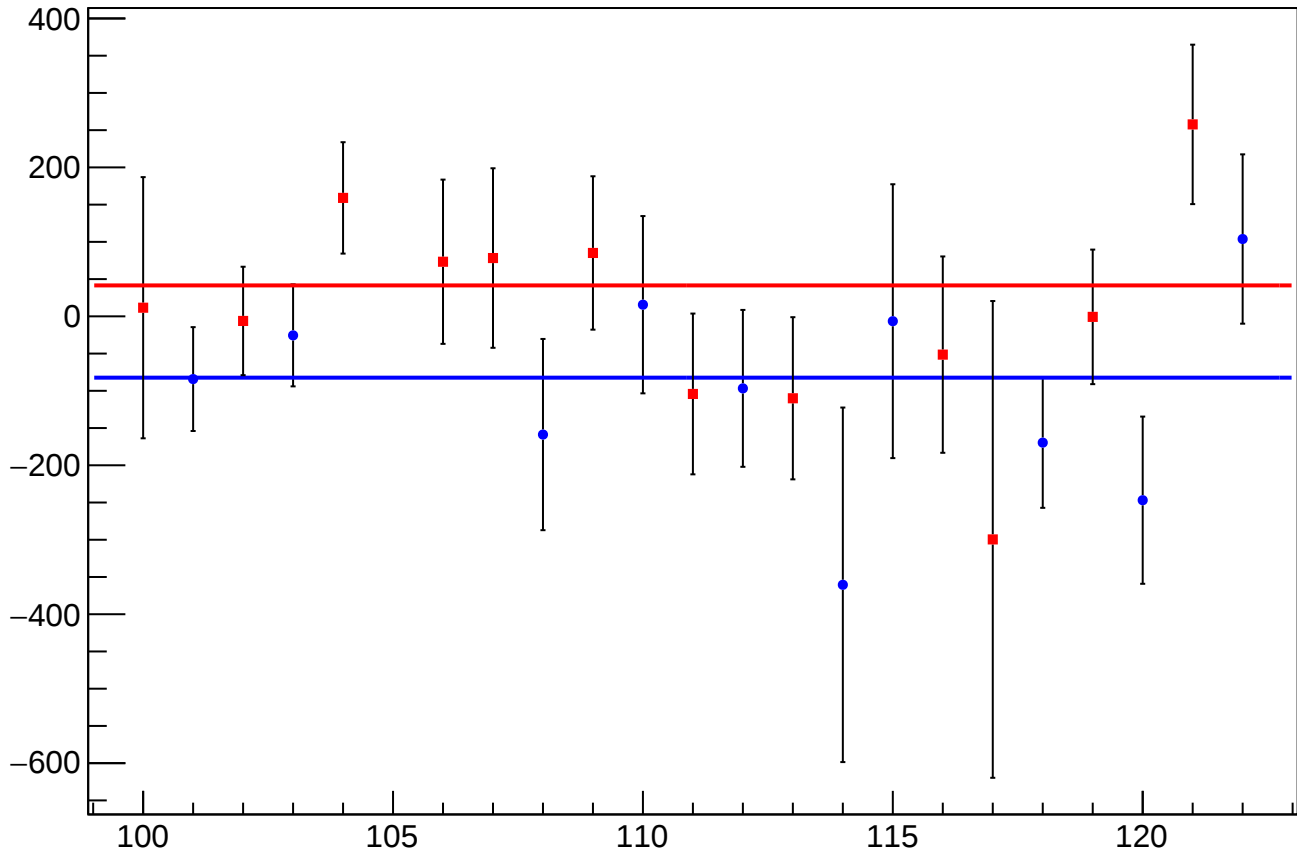
Right Out: 1026.617 $\pm$ 0.350  $\chi^2$ /NDF: 109605.3/11

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

1038.960 $\pm$ 0.376  $\chi^2$ /NDF: 86278.3/9

1026.617 $\pm$ 0.350  $\chi^2$ /NDF: 109605.3/11

# diff\_bpm0r03X\_mean vs Slug



Right In: -82.342 $\pm$ 32.032  $\chi^2$ /NDF: 9.1/9

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

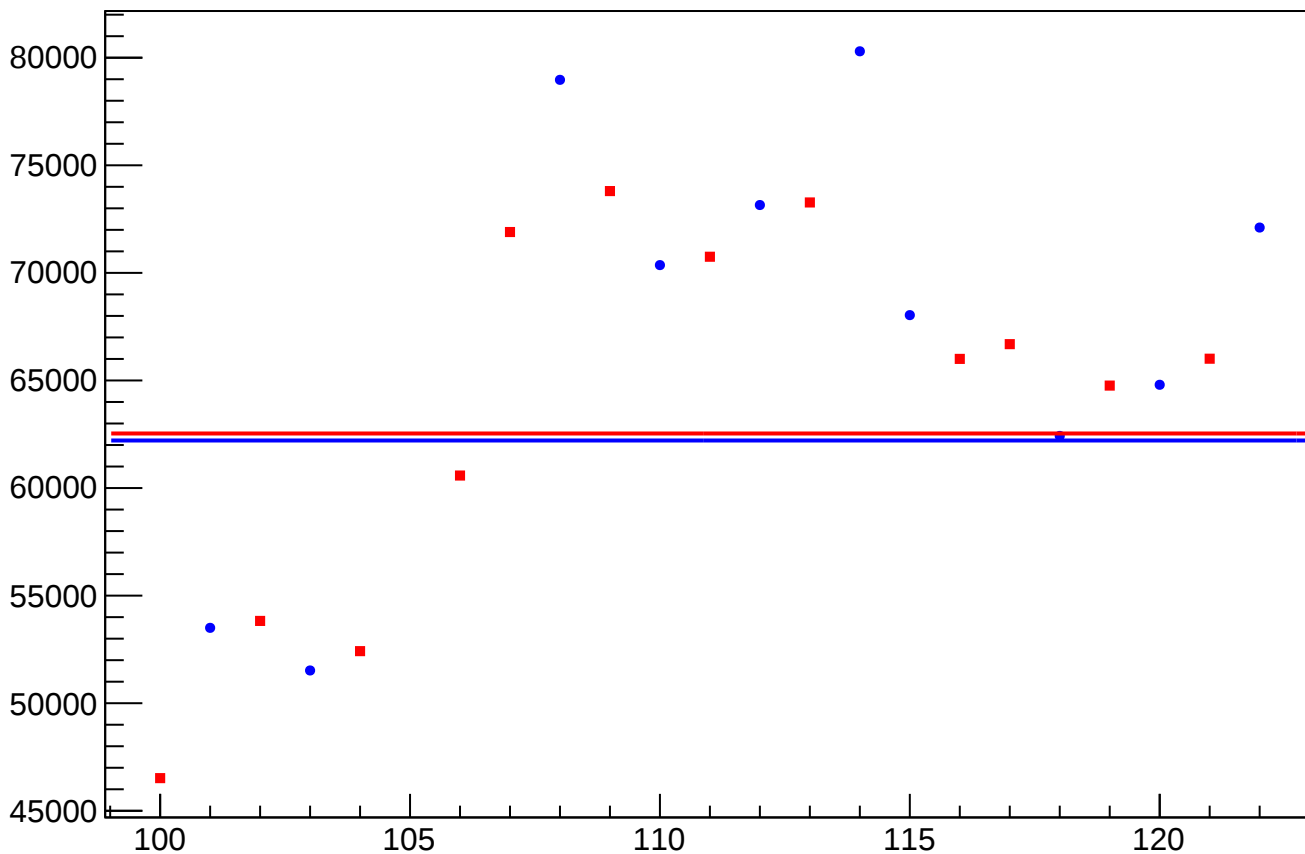
Right Out: 41.527 $\pm$ 30.253  $\chi^2$ /NDF: 13.0/11

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

-82.342 $\pm$ 32.032  $\chi^2$ /NDF: 9.1/9

41.527 $\pm$ 30.253  $\chi^2$ /NDF: 13.0/11

# diff\_bpm0r03X\_rms vs Slug



Right In: 62210.010 $\pm$ 22.650  $\chi^2$ /NDF: 174735.5/9

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

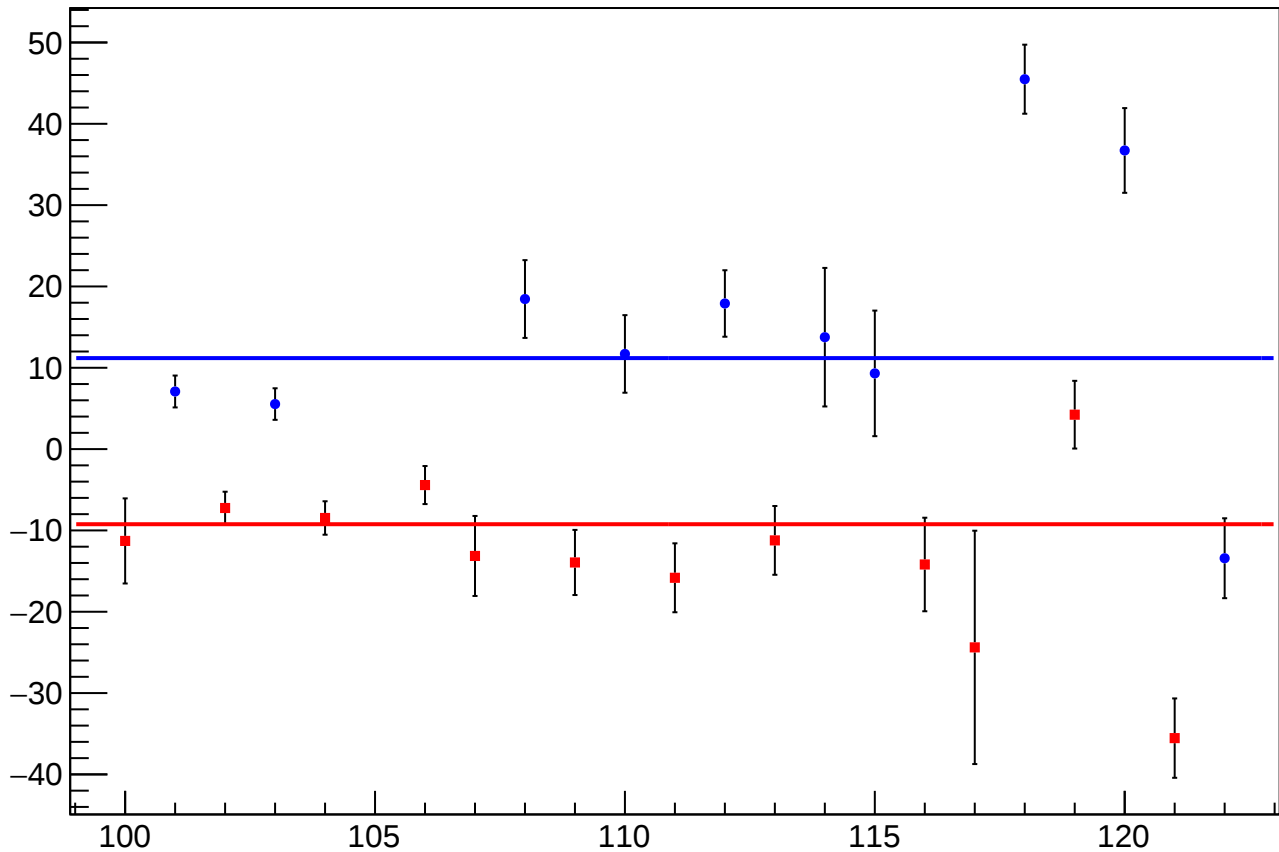
Right Out: 62535.816 $\pm$ 21.392  $\chi^2$ /NDF: 154614.2/11

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

62210.010 $\pm$ 22.650  $\chi^2$ /NDF: 174735.5/9

62535.816 $\pm$ 21.392  $\chi^2$ /NDF: 154614.2/11

# diff\_bpm0r03Y\_mean vs Slug



Right In: 11.190+/-1.093  $\chi^2/\text{NDF}$ : 132.4/9

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

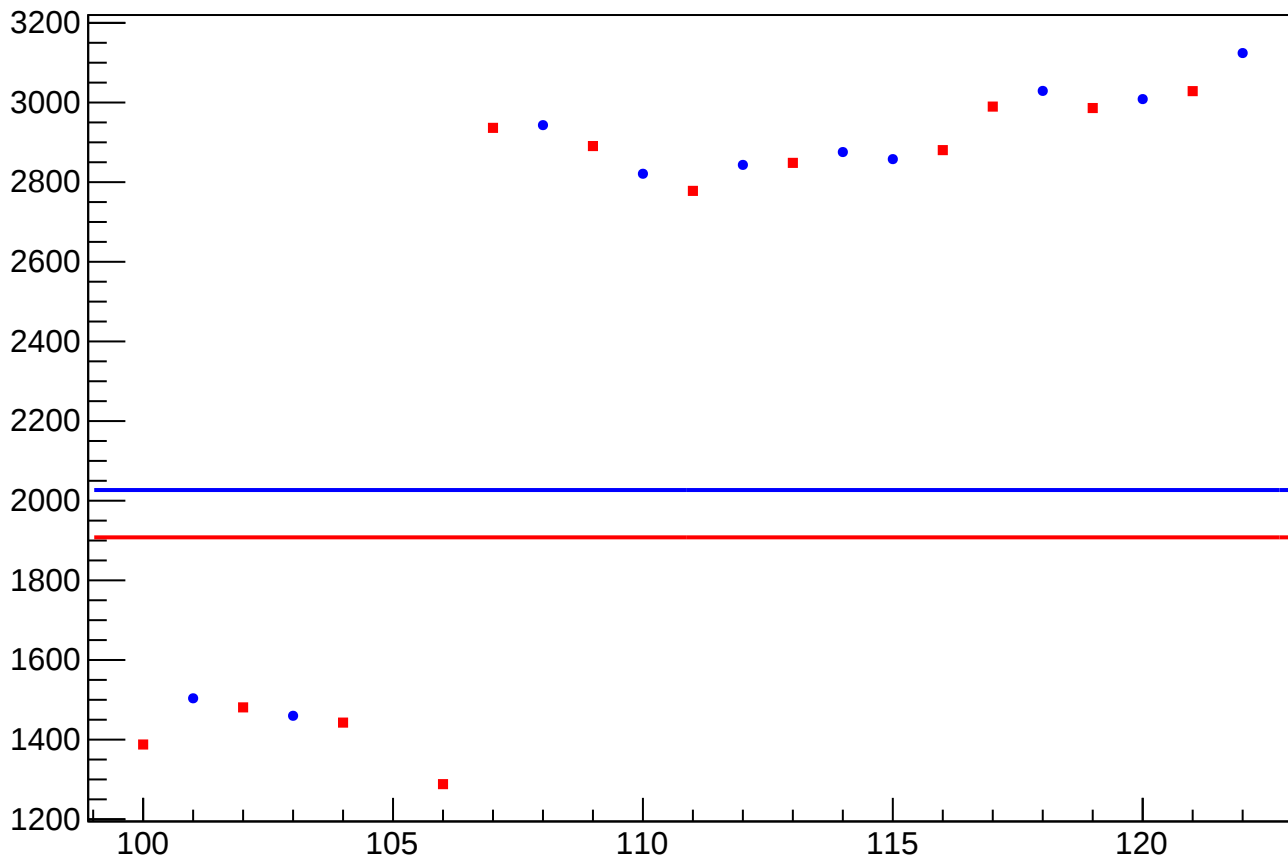
Right Out: -9.237+/-0.974  $\chi^2/\text{NDF}$ : 51.5/11

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

11.190+/-1.093  $\chi^2/\text{NDF}$ : 132.4/9

-9.237+/-0.974  $\chi^2/\text{NDF}$ : 51.5/11

# diff\_bpm0r03Y\_rms vs Slug



Right In: 2026.815 $\pm$ 0.773  $\chi^2$ /NDF: 847237.8/9

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

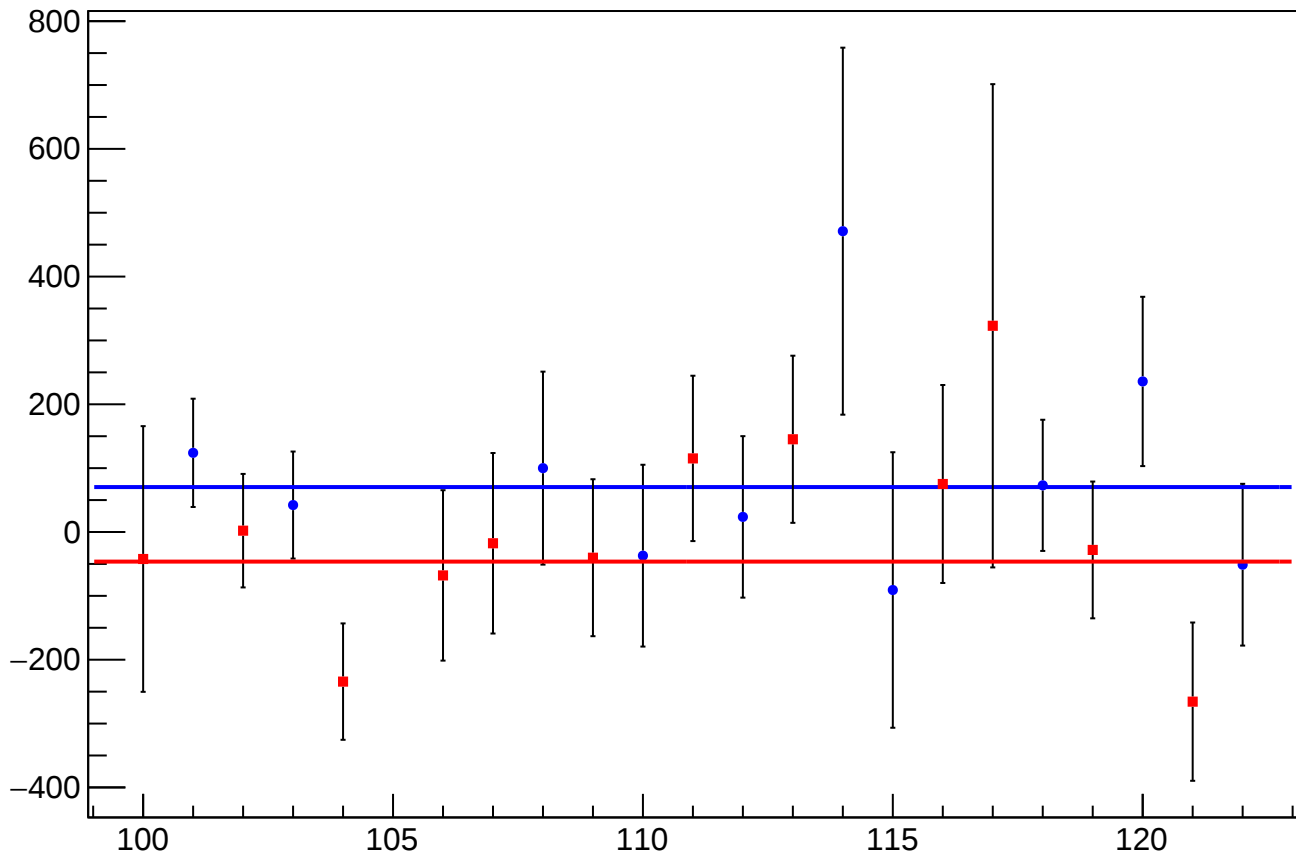
Right Out: 1907.983 $\pm$ 0.688  $\chi^2$ /NDF: 1052662.6/11

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

2026.815 $\pm$ 0.773  $\chi^2$ /NDF: 847237.8/9

1907.983 $\pm$ 0.688  $\chi^2$ /NDF: 1052662.6/11

# diff\_bpm0r05X\_mean vs Slug



Right In: 70.366+/-38.212  $\chi^2/\text{NDF}$ : 6.2/9

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

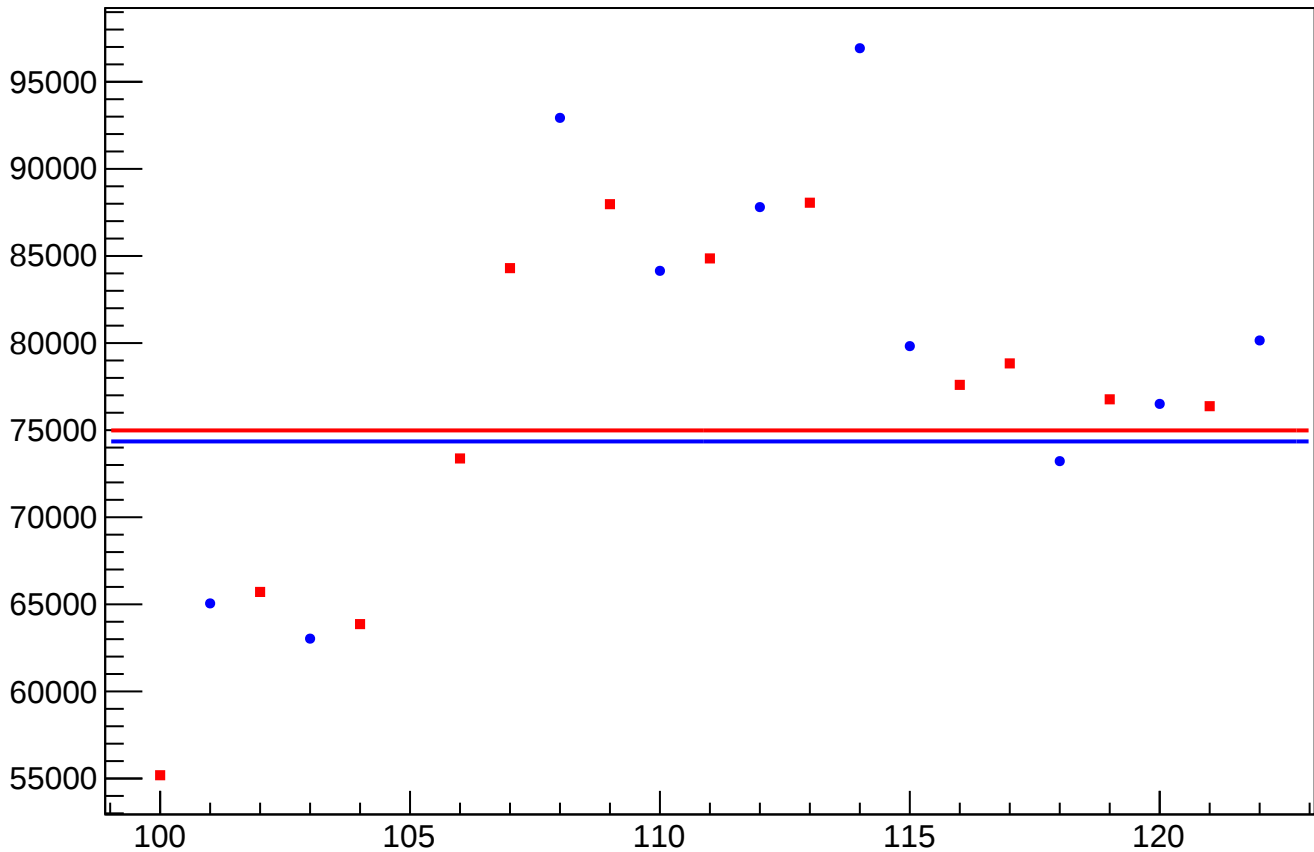
Right Out: -46.354+/-36.240  $\chi^2/\text{NDF}$ : 13.0/11

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

70.366+/-38.212  $\chi^2/\text{NDF}$ : 6.2/9

-46.354+/-36.240  $\chi^2/\text{NDF}$ : 13.0/11

# diff\_bpm0r05X\_rms vs Slug



Right In: 74352.873+/-27.020  $\chi^2/\text{NDF}$ : 141505.8/9

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

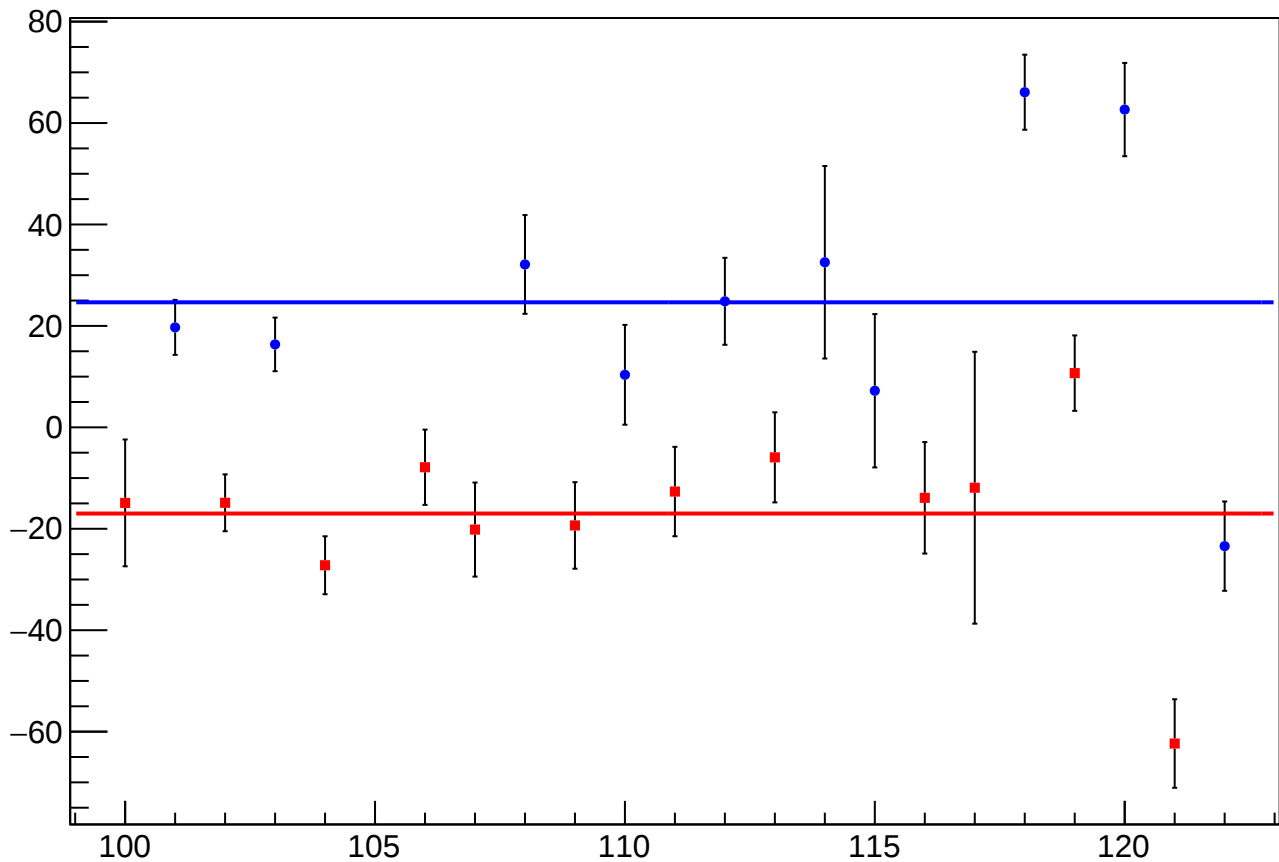
74352.873+/-27.020  $\chi^2/\text{NDF}$ : 141505.8/9

Right Out: 74984.904+/-25.626  $\chi^2/\text{NDF}$ : 134149.0/11

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

74984.904+/-25.626  $\chi^2/\text{NDF}$ : 134149.0/11

# diff\_bpm0r05Y\_mean vs Slug



Right In: 24.653+/-2.545  $\chi^2/\text{NDF}$ : 85.7/9

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

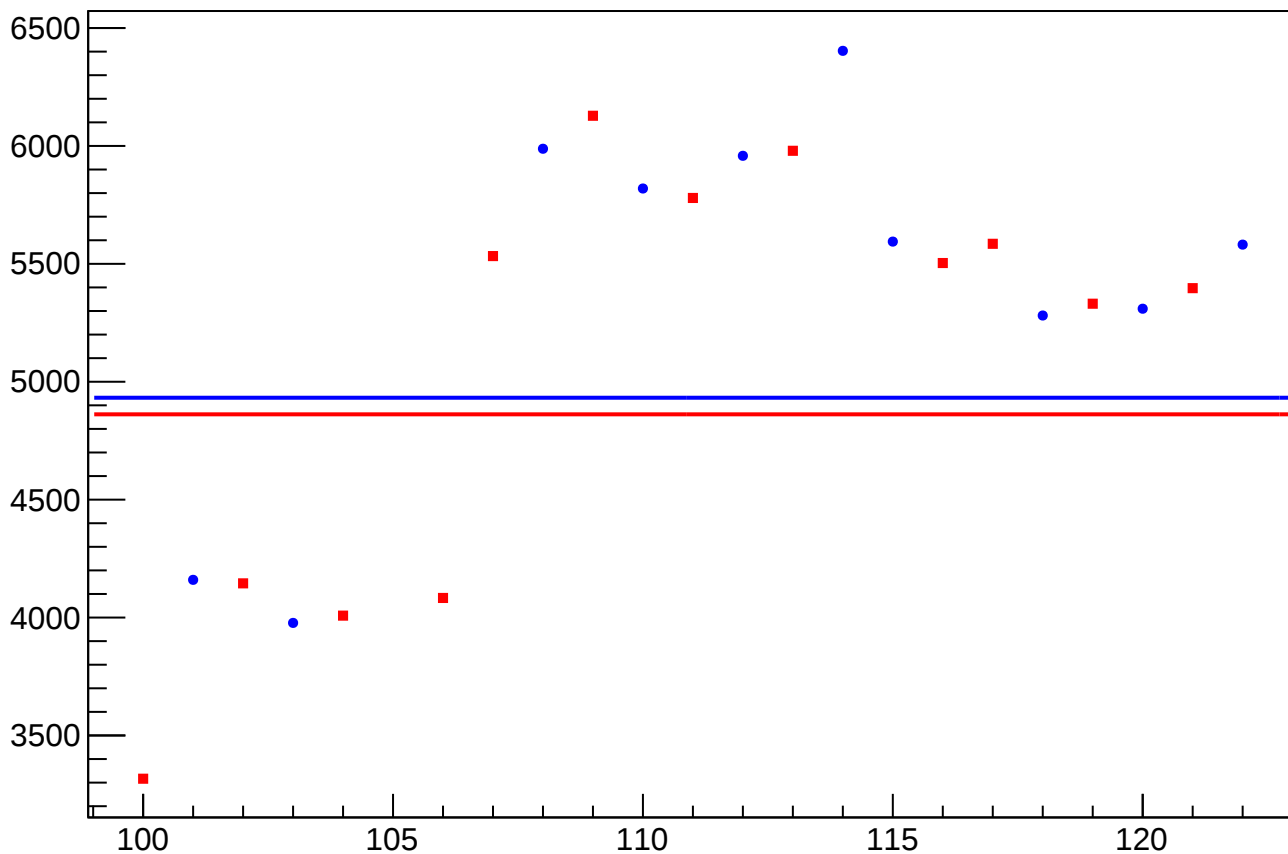
Right Out: -16.995+/-2.365  $\chi^2/\text{NDF}$ : 47.8/11

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

24.653+/-2.545  $\chi^2/\text{NDF}$ : 85.7/9

-16.995+/-2.365  $\chi^2/\text{NDF}$ : 47.8/11

# diff\_bpm0r05Y\_rms vs Slug



Right In: 4932.226+/-1.800  $\chi^2/\text{NDF}$ : 208786.3/9

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

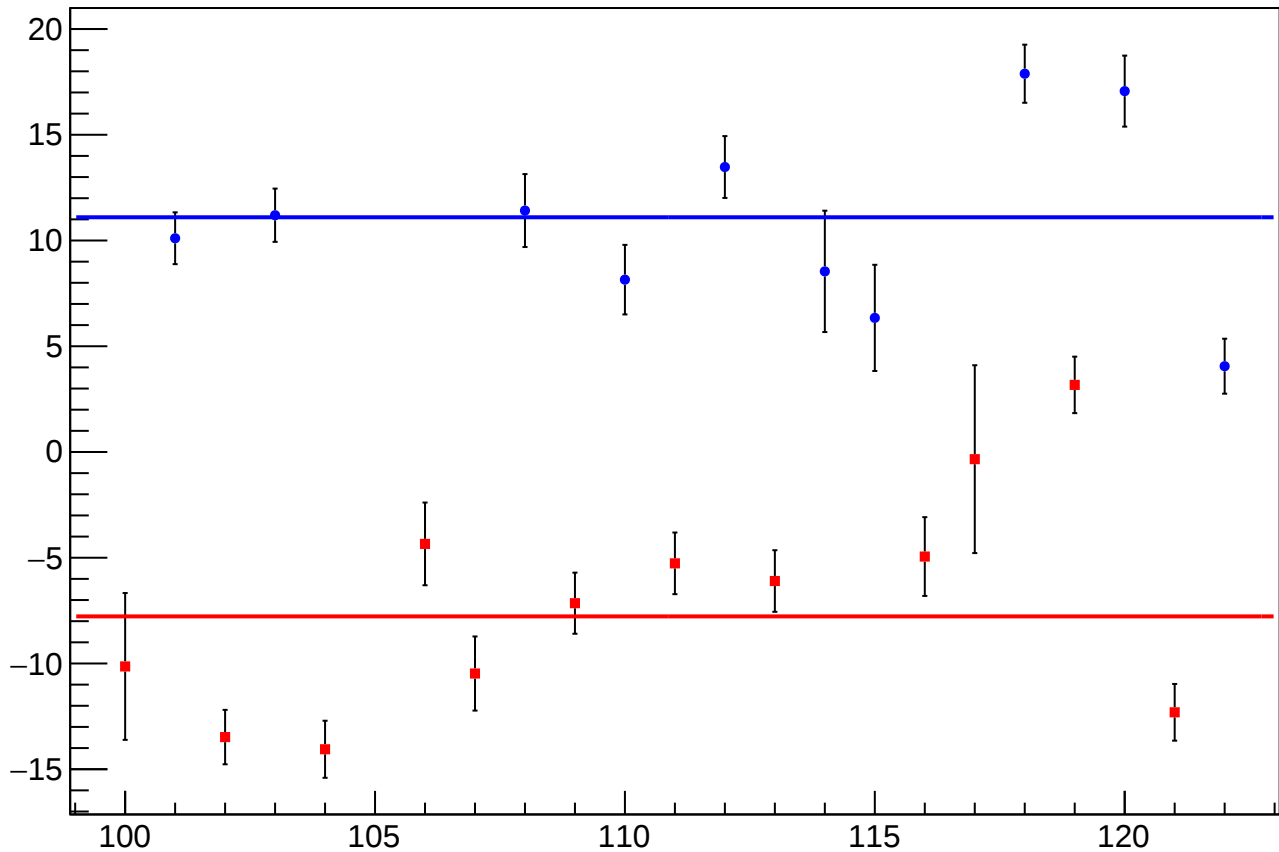
Right Out: 4861.830+/-1.672  $\chi^2/\text{NDF}$ : 261527.6/11

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

4932.226+/-1.800  $\chi^2/\text{NDF}$ : 208786.3/9

4861.830+/-1.672  $\chi^2/\text{NDF}$ : 261527.6/11

# diff\_bpm2i01X\_mean vs Slug



Right In: 11.099+/-0.486  $\chi^2/\text{NDF}$ : 77.3/9

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

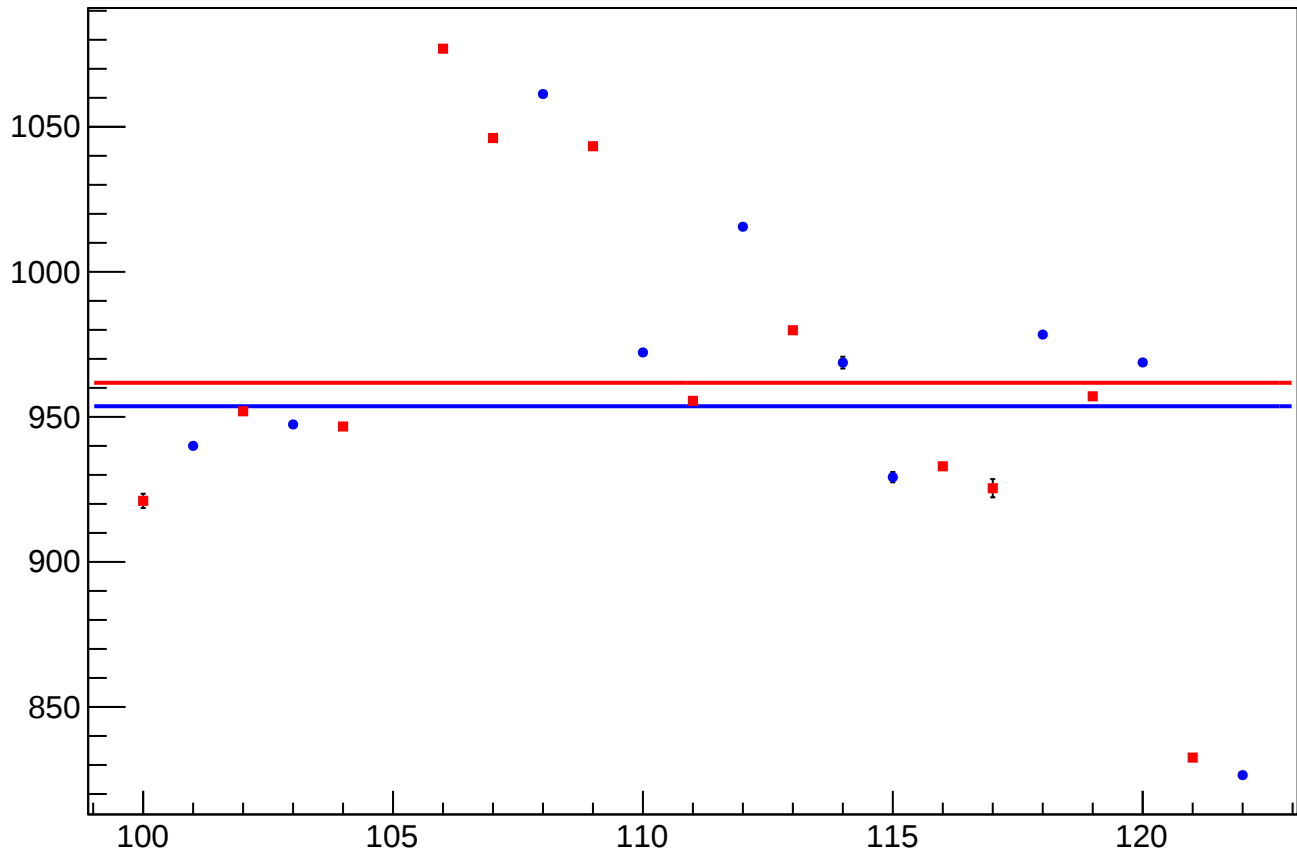
Right Out: -7.773+/-0.461  $\chi^2/\text{NDF}$ : 135.5/11

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

11.099+/-0.486  $\chi^2/\text{NDF}$ : 77.3/9

-7.773+/-0.461  $\chi^2/\text{NDF}$ : 135.5/11

# diff\_bpm2i01X\_rms vs Slug



Right In: 953.670 $\pm$ 0.344  $\chi^2$ /NDF: 32150.4/9

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

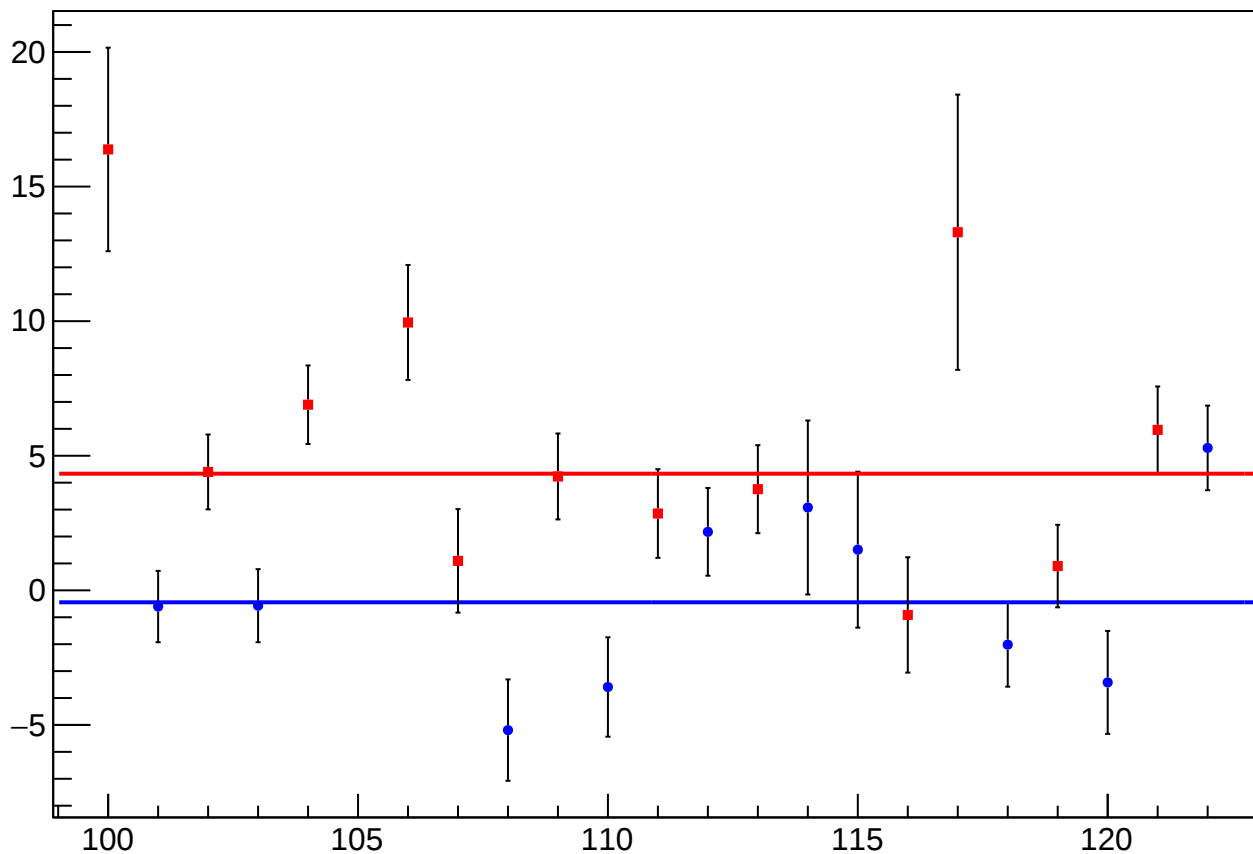
Right Out: 961.757 $\pm$ 0.326  $\chi^2$ /NDF: 38147.5/11

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

953.670 $\pm$ 0.344  $\chi^2$ /NDF: 32150.4/9

961.757 $\pm$ 0.326  $\chi^2$ /NDF: 38147.5/11

# diff\_bpm2i01Y\_mean vs Slug



Right In: -0.444+/-0.545  $\chi^2/\text{NDF}$ : 30.3/9

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

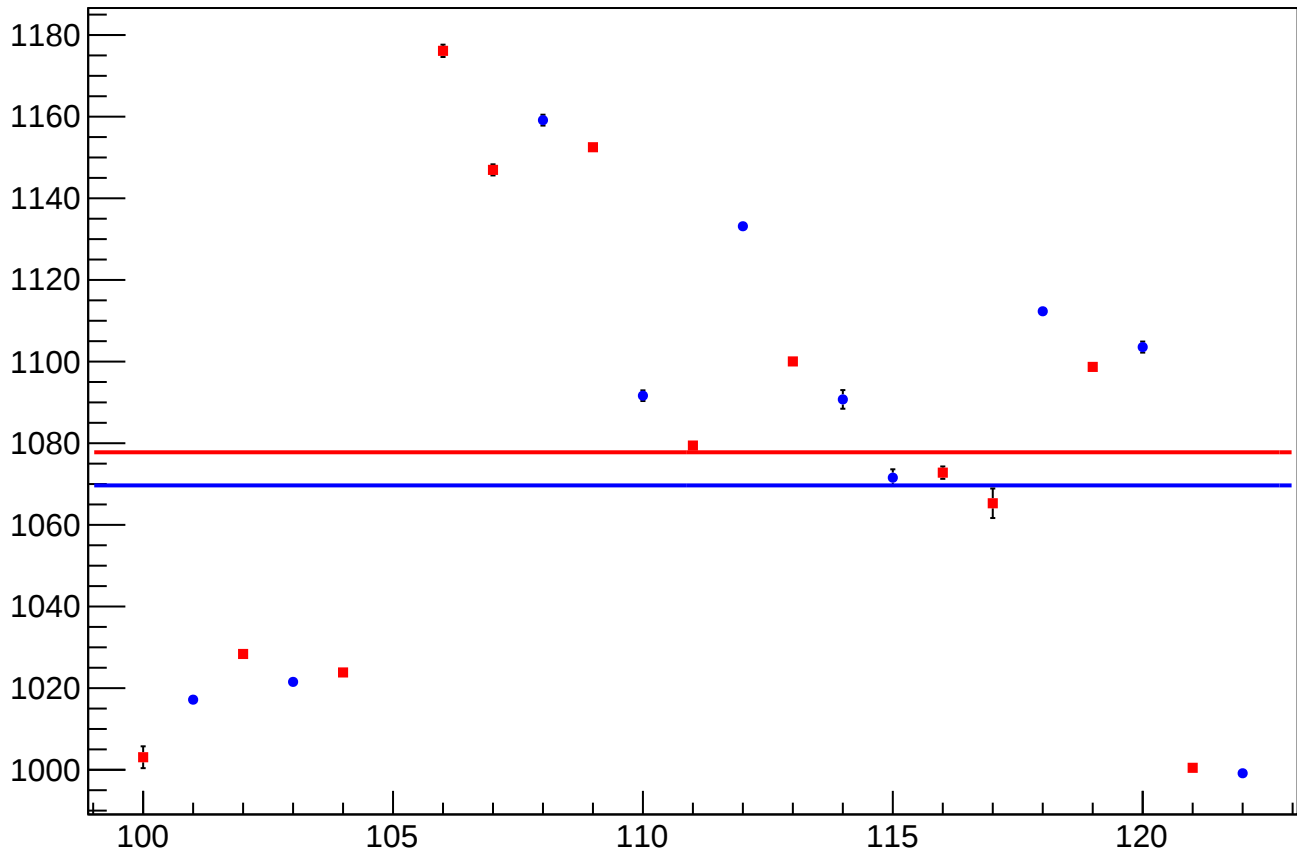
Right Out: 4.333+/-0.516  $\chi^2/\text{NDF}$ : 39.0/11

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

-0.444+/-0.545  $\chi^2/\text{NDF}$ : 30.3/9

4.333+/-0.516  $\chi^2/\text{NDF}$ : 39.0/11

# diff\_bpm2i01Y\_rms vs Slug



Right In: 1069.668 $\pm$ 0.385  $\chi^2$ /NDF: 19716.8/9

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

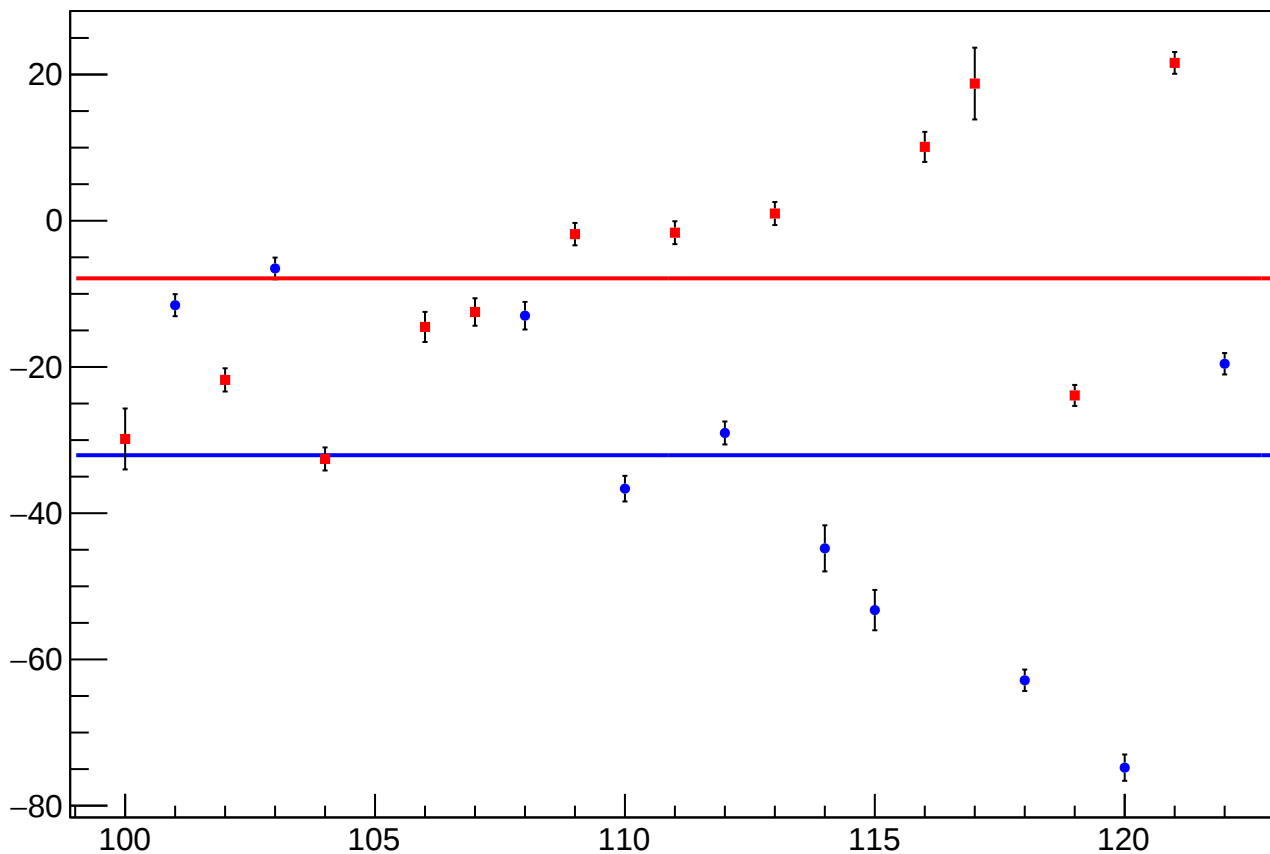
Right Out: 1077.782 $\pm$ 0.365  $\chi^2$ /NDF: 22625.6/11

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

1069.668 $\pm$ 0.385  $\chi^2$ /NDF: 19716.8/9

1077.782 $\pm$ 0.365  $\chi^2$ /NDF: 22625.6/11

# diff\_bpm2i02X\_mean vs Slug



Right In: -32.069+/-0.544  $\chi^2/\text{NDF}$ : 1749.1/9

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

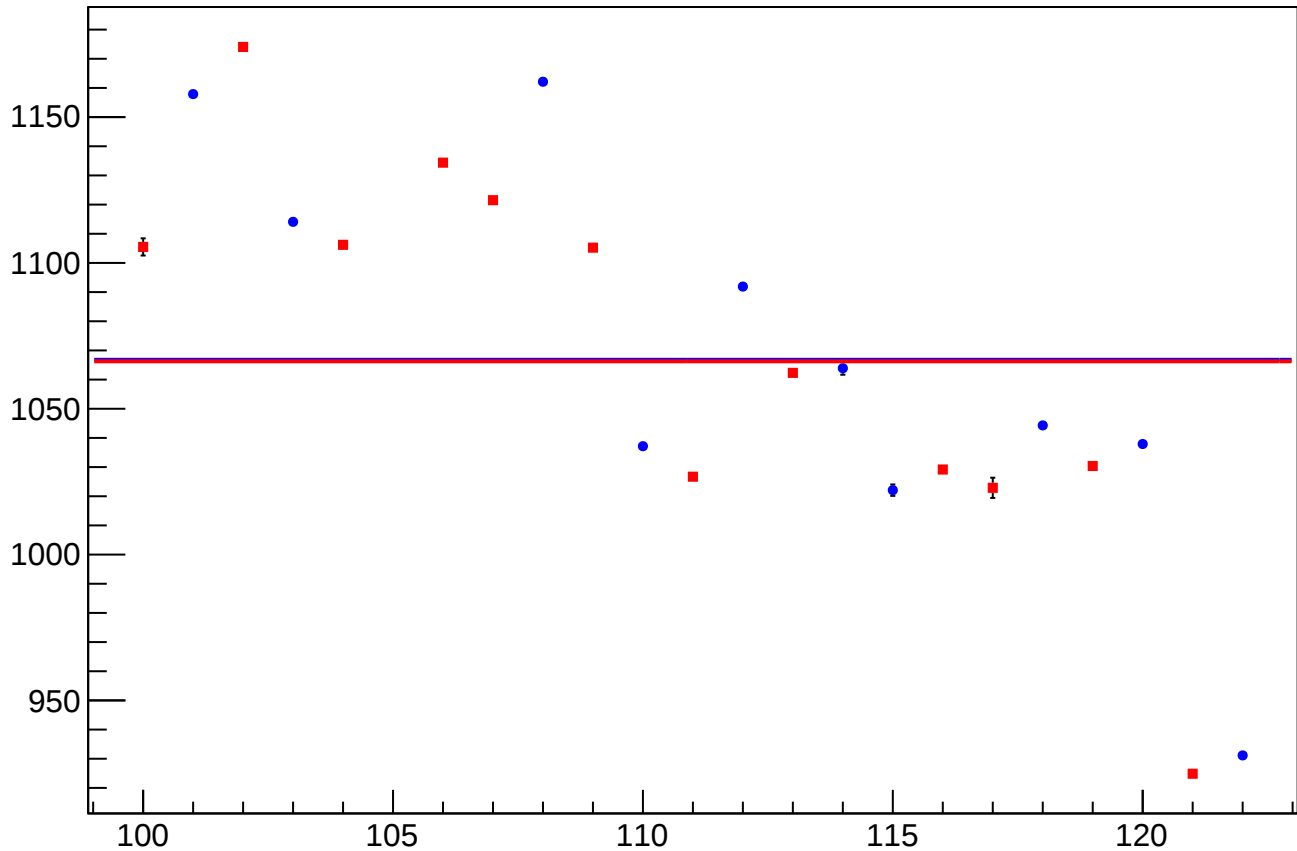
Right Out: -7.879+/-0.511  $\chi^2/\text{NDF}$ : 1051.1/11

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

-32.069+/-0.544  $\chi^2/\text{NDF}$ : 1749.1/9

-7.879+/-0.511  $\chi^2/\text{NDF}$ : 1051.1/11

# diff\_bpm2i02X\_rms vs Slug



Right In: 1066.782 $\pm$ 0.385  $\chi^2$ /NDF: 34205.5/9

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

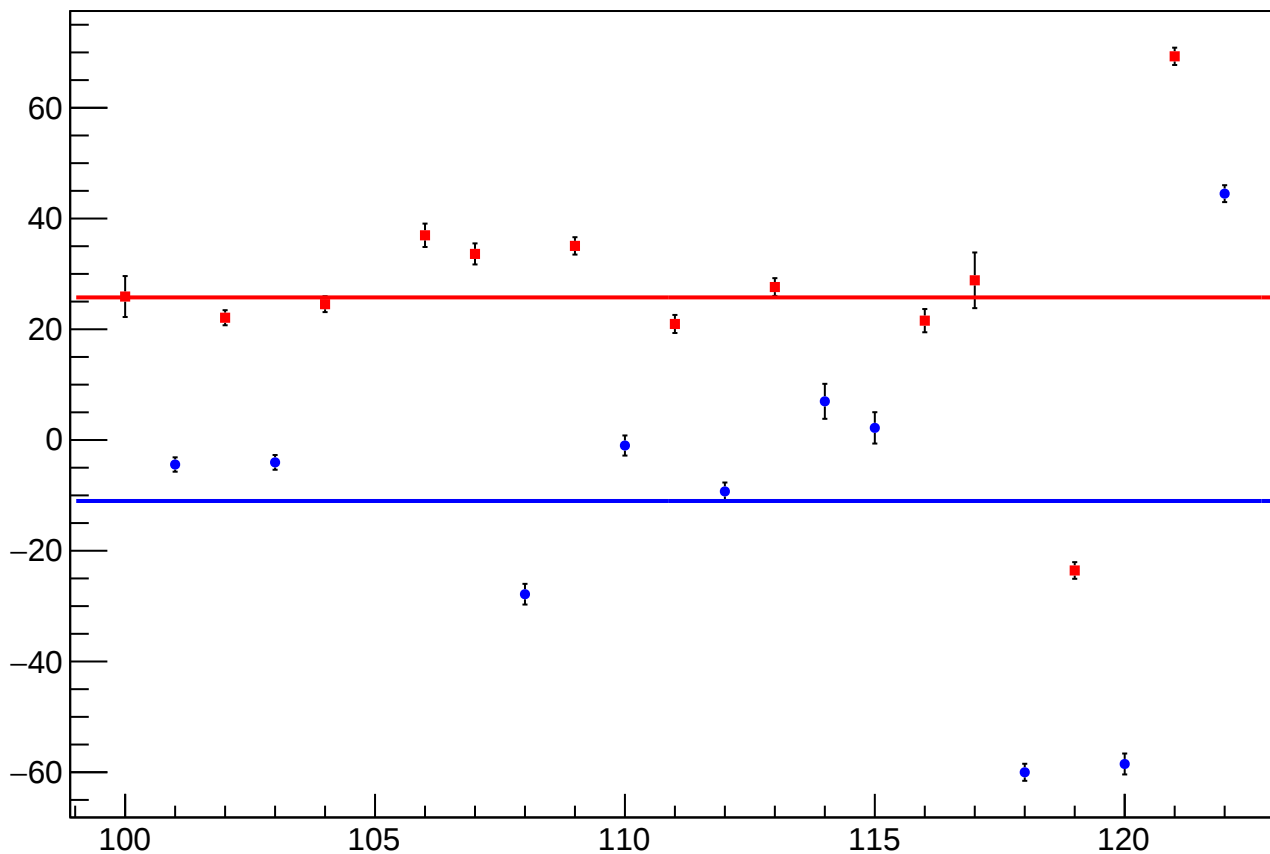
Right Out: 1066.267 $\pm$ 0.362  $\chi^2$ /NDF: 37271.3/11

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

1066.782 $\pm$ 0.385  $\chi^2$ /NDF: 34205.5/9

1066.267 $\pm$ 0.362  $\chi^2$ /NDF: 37271.3/11

# diff\_bpm2i02Y\_mean vs Slug



Right In:  $-11.012 \pm 0.535$   $\chi^2/\text{NDF}$ : 3189.0/9

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

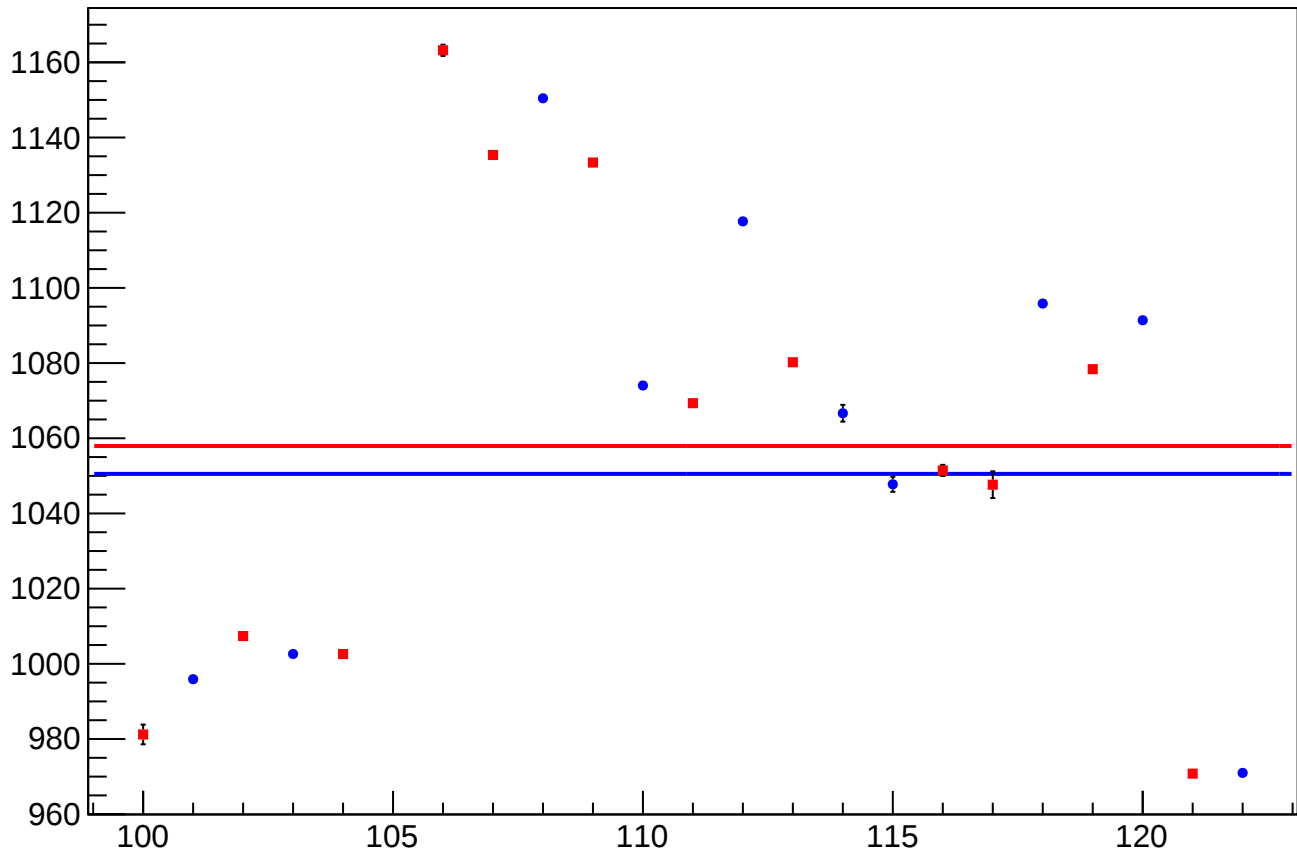
Right Out:  $25.755 \pm 0.507$   $\chi^2/\text{NDF}$ : 1953.7/11

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

$-11.012 \pm 0.535$   $\chi^2/\text{NDF}$ : 3189.0/9

$25.755 \pm 0.507$   $\chi^2/\text{NDF}$ : 1953.7/11

# diff\_bpm2i02Y\_rms vs Slug



Right In: 1050.525 $\pm$ 0.379  $\chi^2$ /NDF: 23822.2/9

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

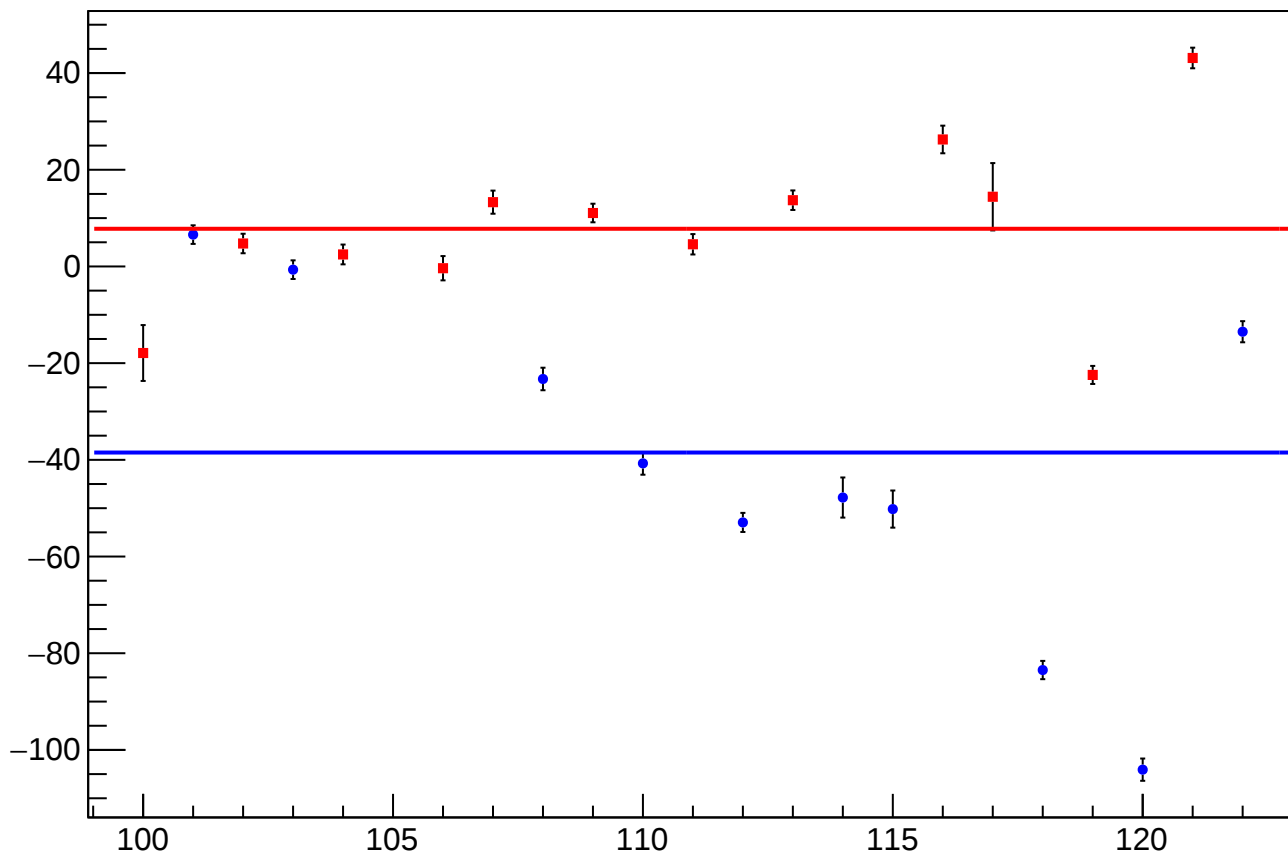
Right Out: 1057.950 $\pm$ 0.358  $\chi^2$ /NDF: 26610.2/11

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

1050.525 $\pm$ 0.379  $\chi^2$ /NDF: 23822.2/9

1057.950 $\pm$ 0.358  $\chi^2$ /NDF: 26610.2/11

# diff\_bpm0i02X\_mean vs Slug



Right In: -38.487+/-0.713  $\chi^2/\text{NDF}$ : 2554.1/9

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

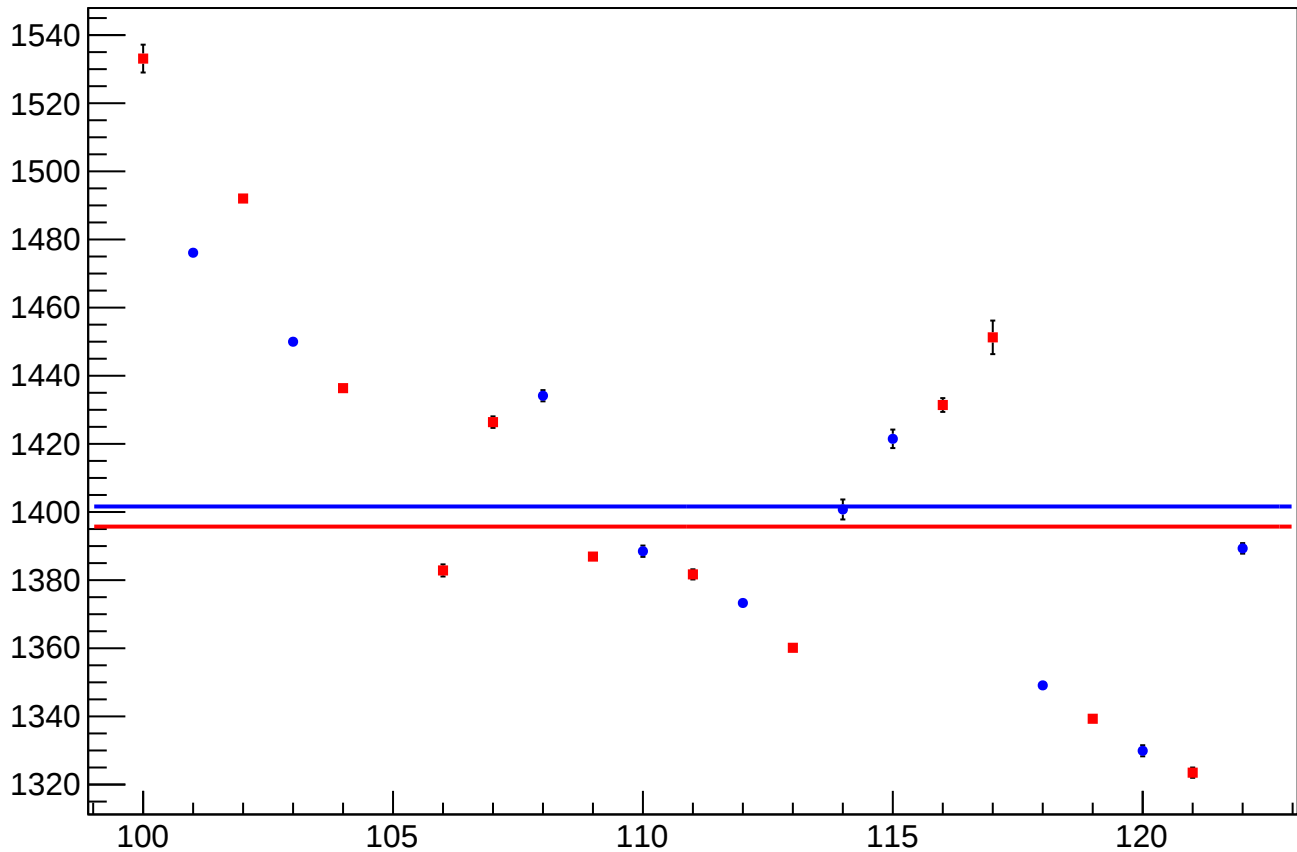
Right Out: 7.794+/-0.668  $\chi^2/\text{NDF}$ : 637.9/11

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

-38.487+/-0.713  $\chi^2/\text{NDF}$ : 2554.1/9

7.794+/-0.668  $\chi^2/\text{NDF}$ : 637.9/11

# diff\_bpm0i02X\_rms vs Slug



Right In: 1401.621 $\pm$ 0.504  $\chi^2$ /NDF: 8721.5/9

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

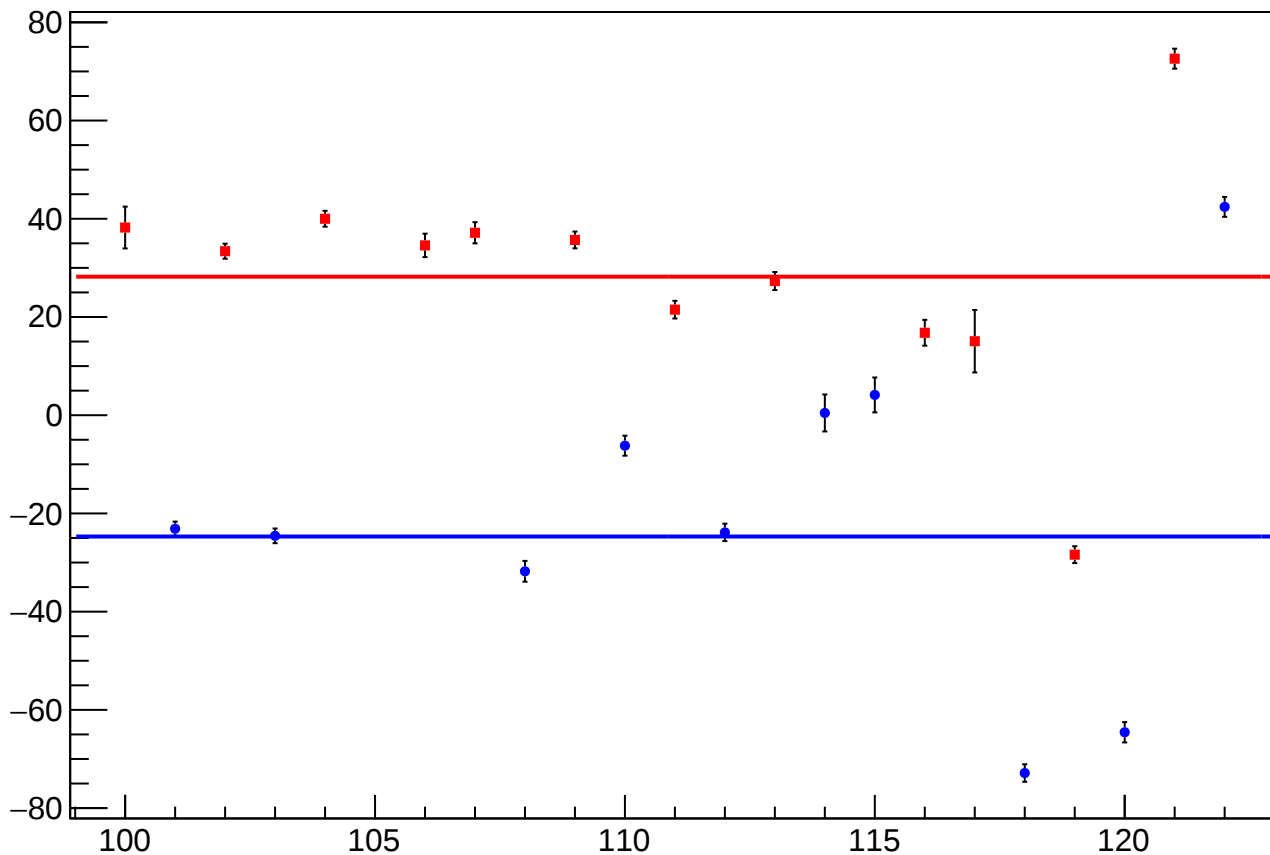
Right Out: 1395.720 $\pm$ 0.473  $\chi^2$ /NDF: 12173.4/11

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

1401.621 $\pm$ 0.504  $\chi^2$ /NDF: 8721.5/9

1395.720 $\pm$ 0.473  $\chi^2$ /NDF: 12173.4/11

# diff\_bpm0i02Y\_mean vs Slug



Right In:  $-24.700 \pm 0.615$   $\chi^2/\text{NDF}$ : 2401.1/9

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

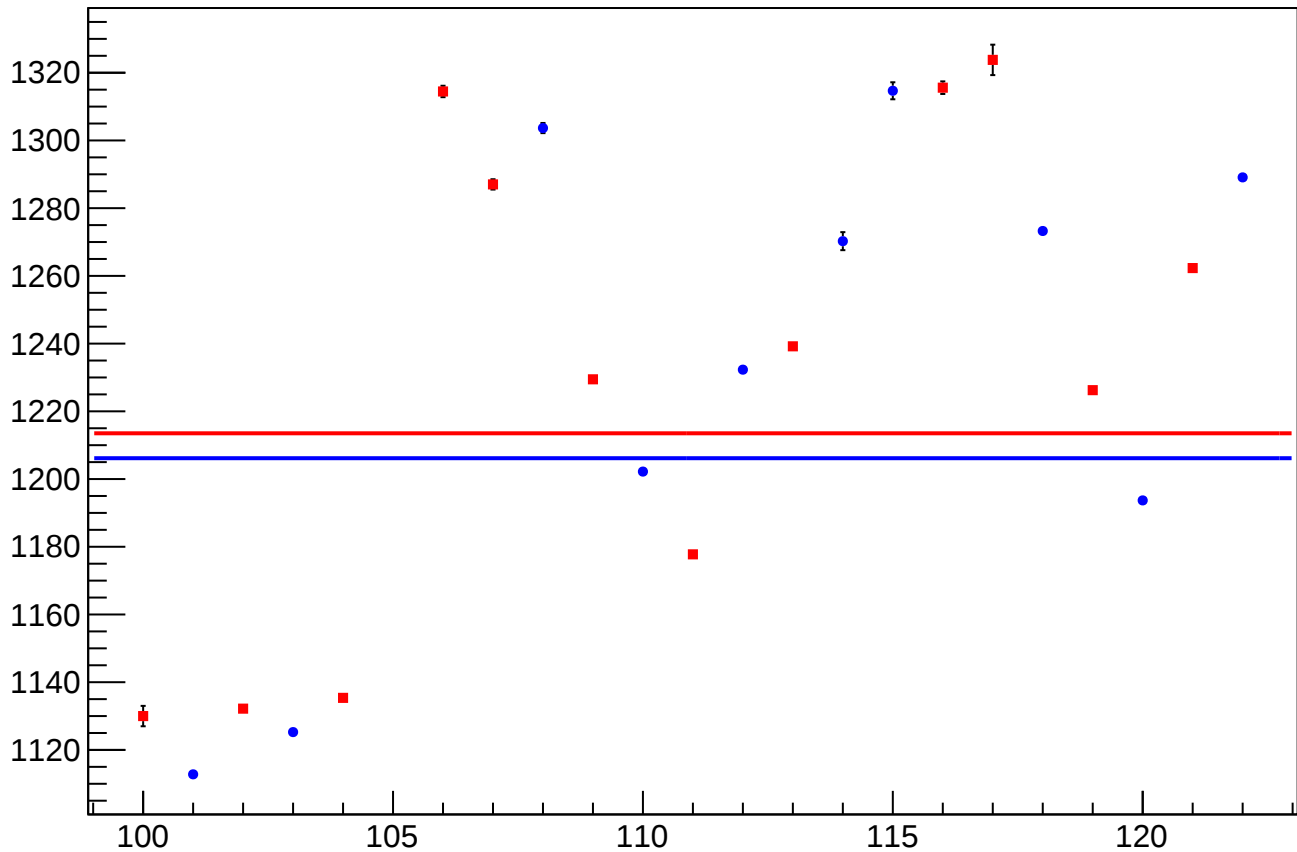
Right Out:  $28.210 \pm 0.582$   $\chi^2/\text{NDF}$ : 1719.2/11

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

$-24.700 \pm 0.615$   $\chi^2/\text{NDF}$ : 2401.1/9

$28.210 \pm 0.582$   $\chi^2/\text{NDF}$ : 1719.2/11

# diff\_bpm0i02Y\_rms vs Slug



Right In: 1206.156 $\pm$ 0.435  $\chi^2$ /NDF: 27518.9/9

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

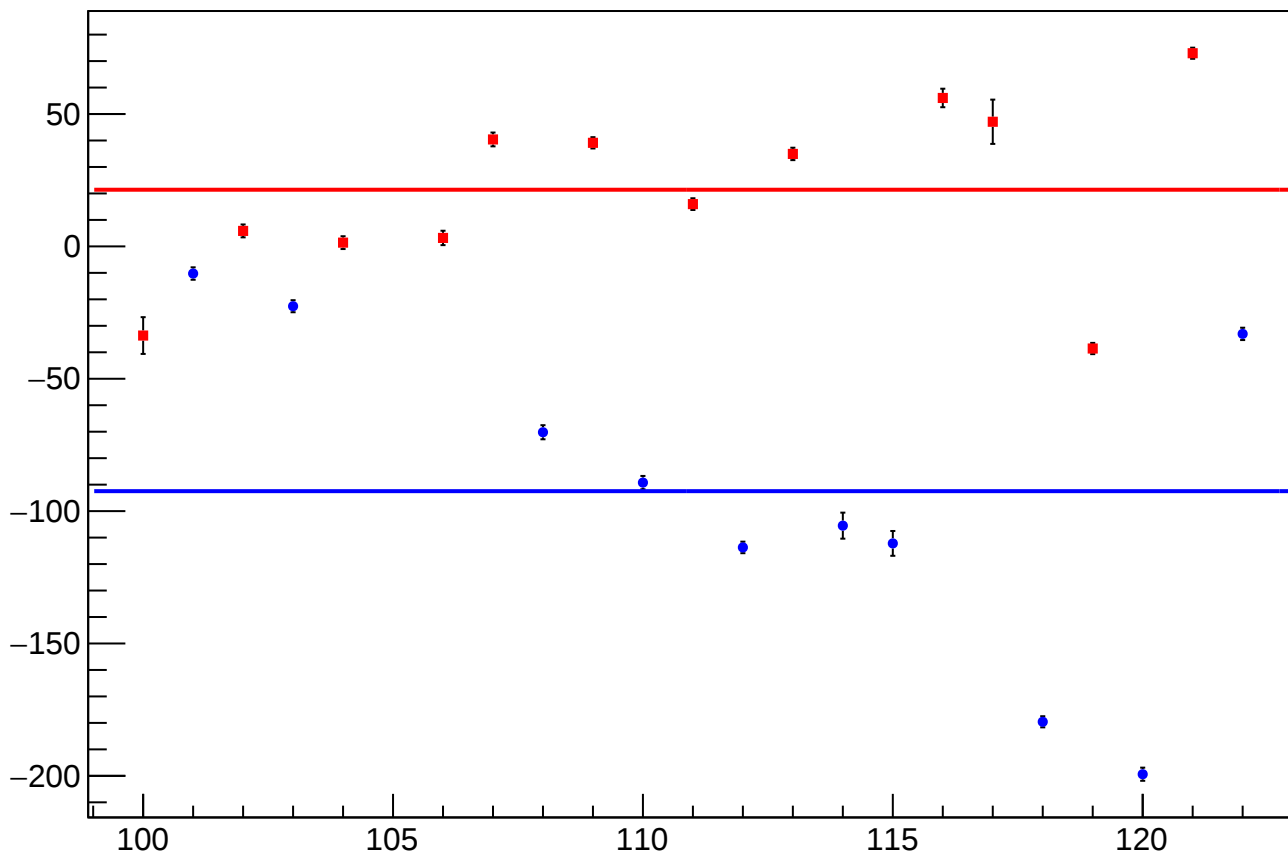
Right Out: 1213.511 $\pm$ 0.411  $\chi^2$ /NDF: 23221.5/11

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

1206.156 $\pm$ 0.435  $\chi^2$ /NDF: 27518.9/9

1213.511 $\pm$ 0.411  $\chi^2$ /NDF: 23221.5/11

# diff\_bpm0i02aX\_mean vs Slug



Right In: -92.459+/-0.805  $\chi^2/\text{NDF}$ : 6577.9/9

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

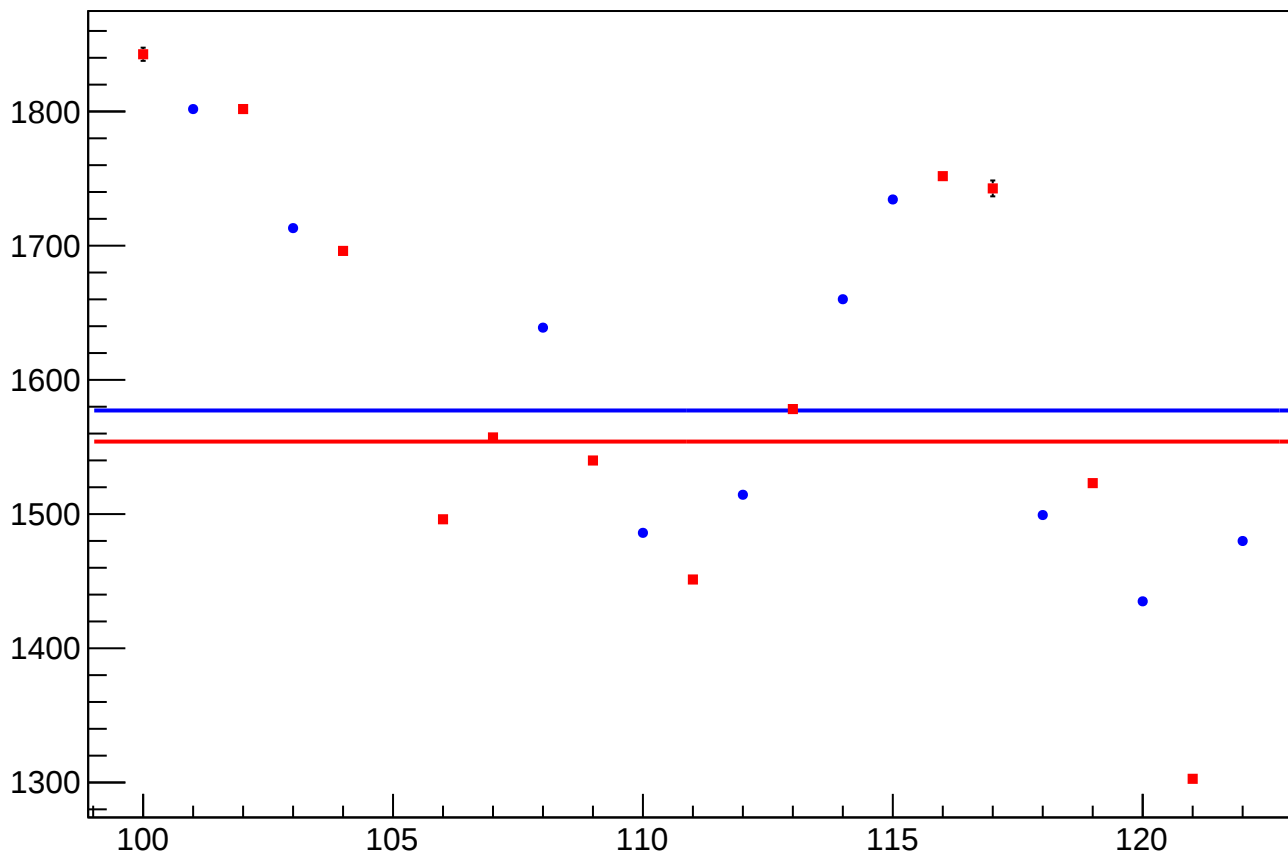
Right Out: 21.405+/-0.747  $\chi^2/\text{NDF}$ : 1886.3/11

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

-92.459+/-0.805  $\chi^2/\text{NDF}$ : 6577.9/9

21.405+/-0.747  $\chi^2/\text{NDF}$ : 1886.3/11

# diff\_bpm0i02aX\_rms vs Slug



Right In: 1577.202+/-0.569  $\chi^2/\text{NDF}$ : 46385.5/9

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

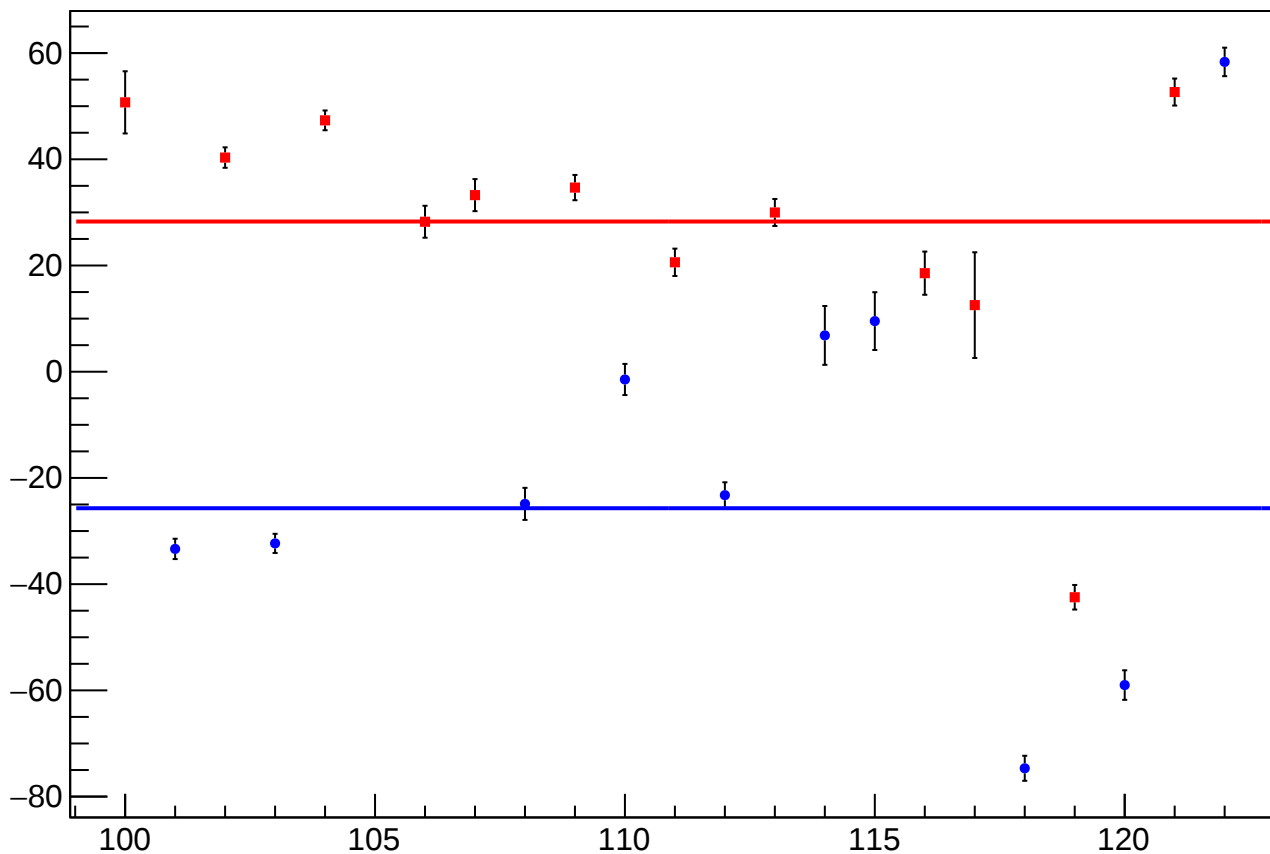
Right Out: 1554.033+/-0.528  $\chi^2/\text{NDF}$ : 73063.1/11

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

1577.202+/-0.569  $\chi^2/\text{NDF}$ : 46385.5/9

1554.033+/-0.528  $\chi^2/\text{NDF}$ : 73063.1/11

# diff\_bpm0i02aY\_mean vs Slug



Right In:  $-25.704 \pm 0.819$   $\chi^2/\text{NDF}$ : 1731.3/9

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

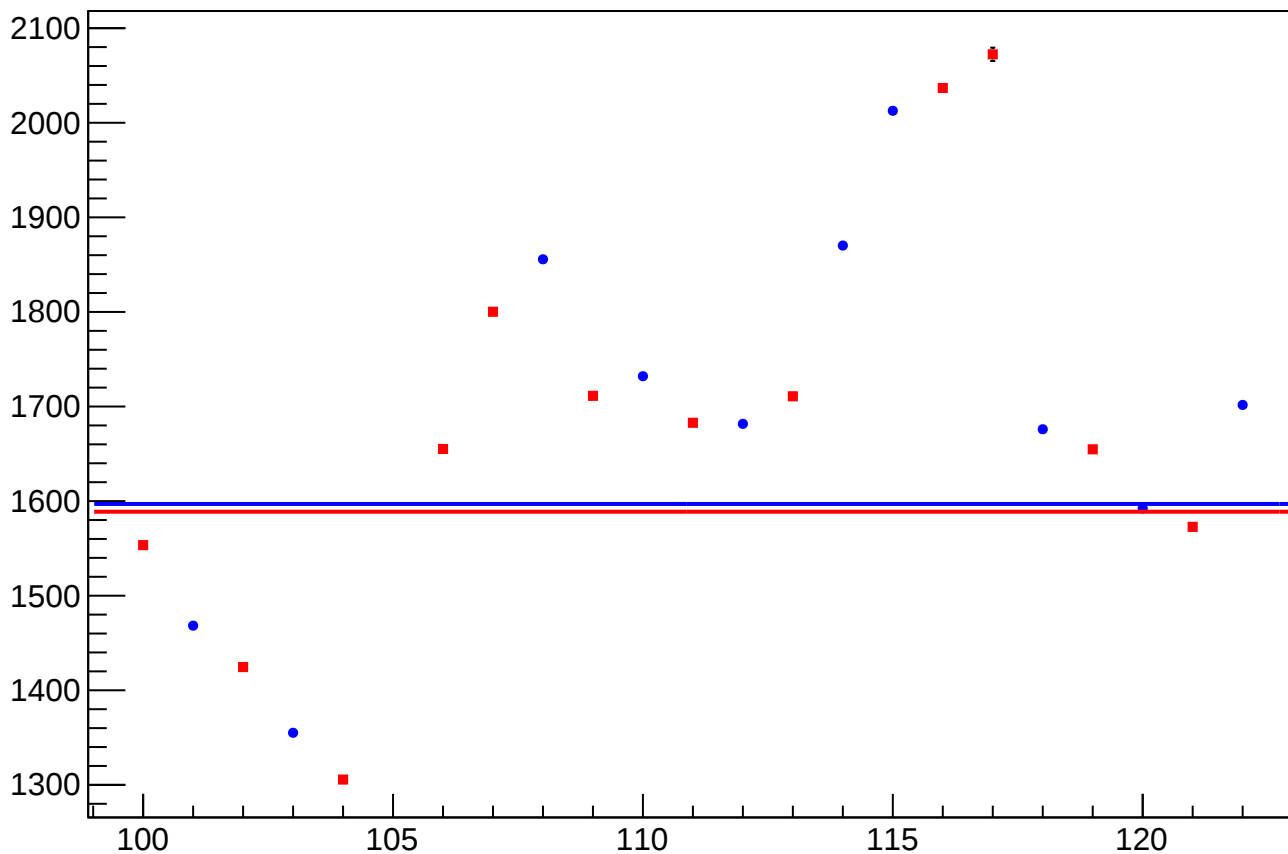
Right Out:  $28.282 \pm 0.766$   $\chi^2/\text{NDF}$ : 1212.4/11

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

$-25.704 \pm 0.819$   $\chi^2/\text{NDF}$ : 1731.3/9

$28.282 \pm 0.766$   $\chi^2/\text{NDF}$ : 1212.4/11

# diff\_bpm0i02aY\_rms vs Slug



Right In: 1596.998 $\pm$ 0.579  $\chi^2$ /NDF: 88326.7/9

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

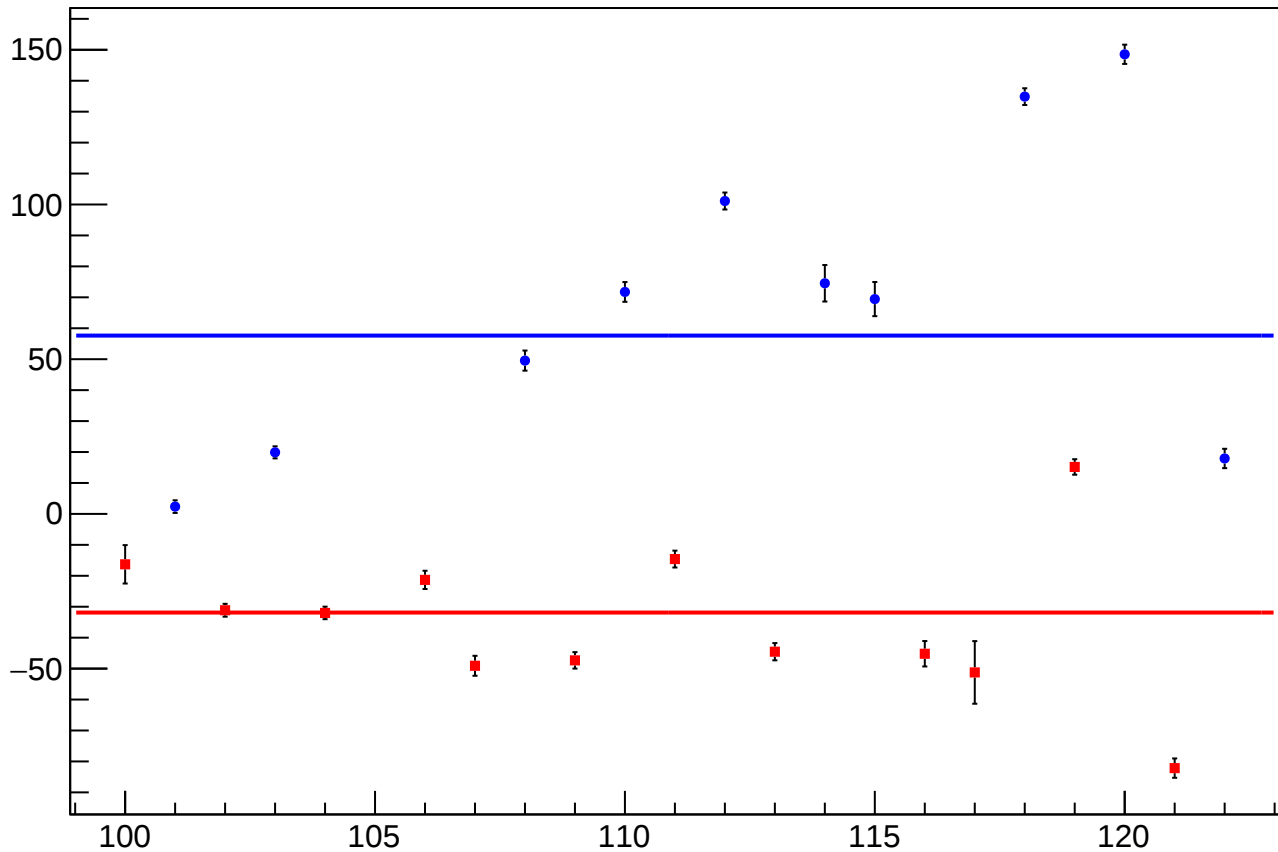
Right Out: 1588.781 $\pm$ 0.542  $\chi^2$ /NDF: 114971.4/11

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

1596.998 $\pm$ 0.579  $\chi^2$ /NDF: 88326.7/9

1588.781 $\pm$ 0.542  $\chi^2$ /NDF: 114971.4/11

# diff\_bpm0i05X\_mean vs Slug



Right In: 57.633+/-0.901  $\chi^2$ /NDF: 3228.8/9

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

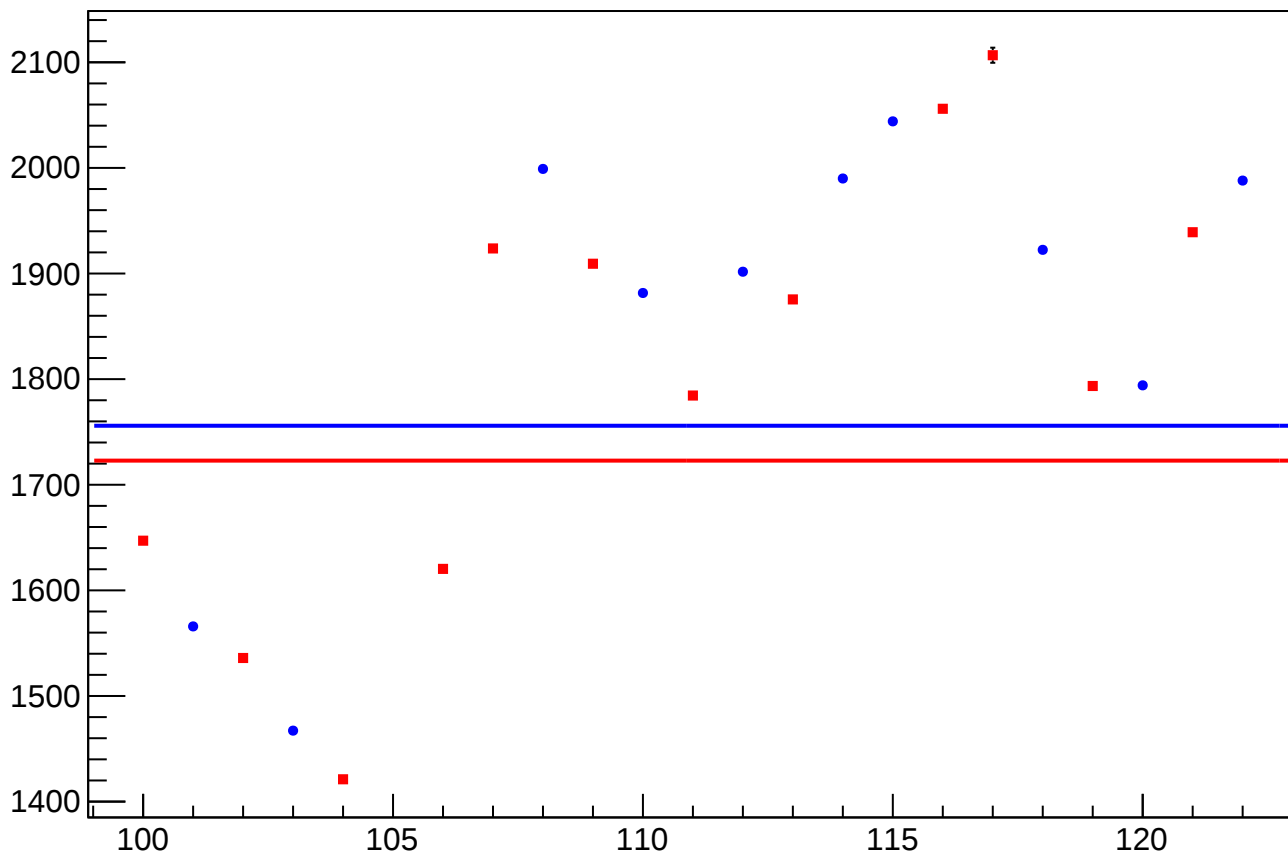
Right Out: -31.885+/-0.831  $\chi^2$ /NDF: 768.0/11

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

57.633+/-0.901  $\chi^2$ /NDF: 3228.8/9

-31.885+/-0.831  $\chi^2$ /NDF: 768.0/11

# diff\_bpm0i05X\_rms vs Slug



Right In: 1755.869+/-0.637  $\chi^2/\text{NDF}$ : 108584.2/9

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

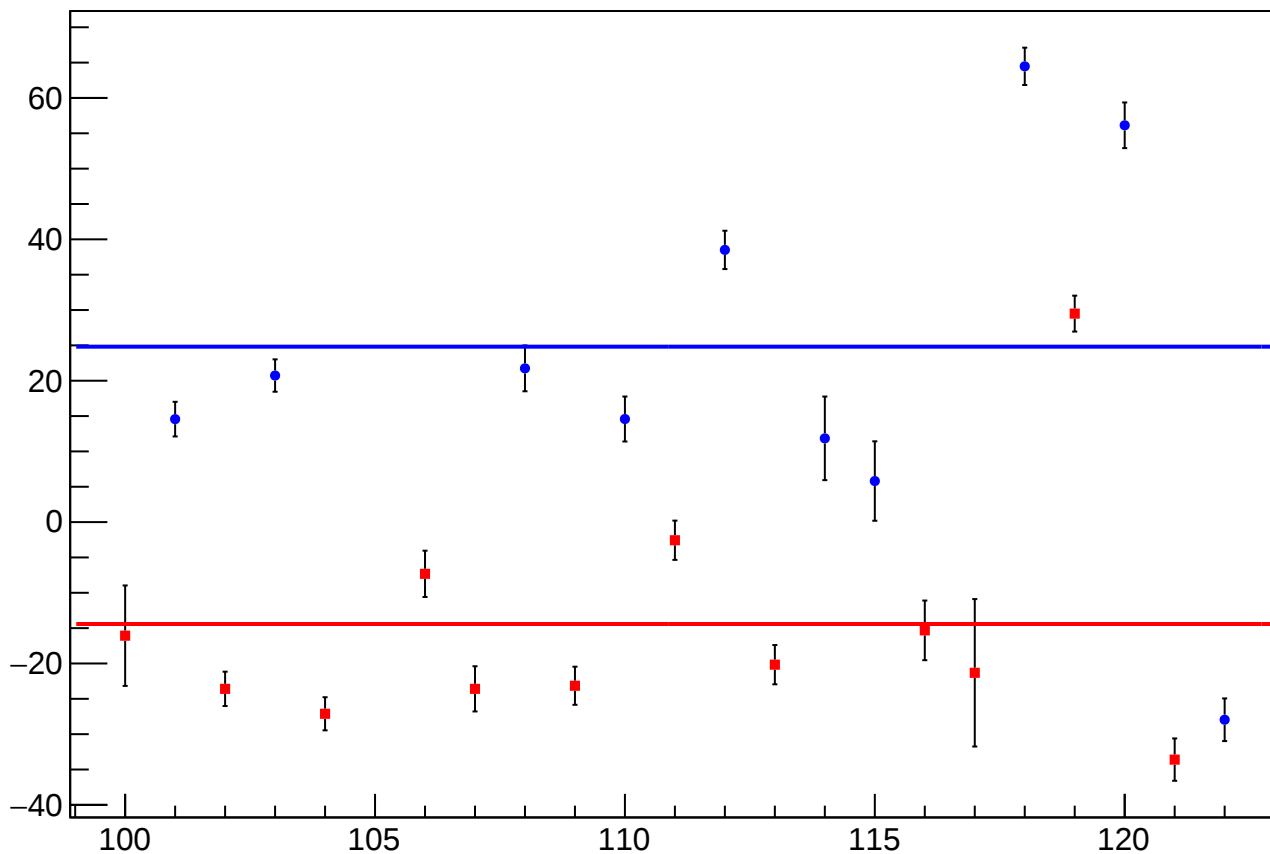
Right Out: 1722.852+/-0.587  $\chi^2/\text{NDF}$ : 115122.1/11

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

1755.869+/-0.637  $\chi^2/\text{NDF}$ : 108584.2/9

1722.852+/-0.587  $\chi^2/\text{NDF}$ : 115122.1/11

# diff\_bpm0i05Y\_mean vs Slug



Right In: 24.817+/-0.955  $\chi^2$ /NDF: 699.2/9

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

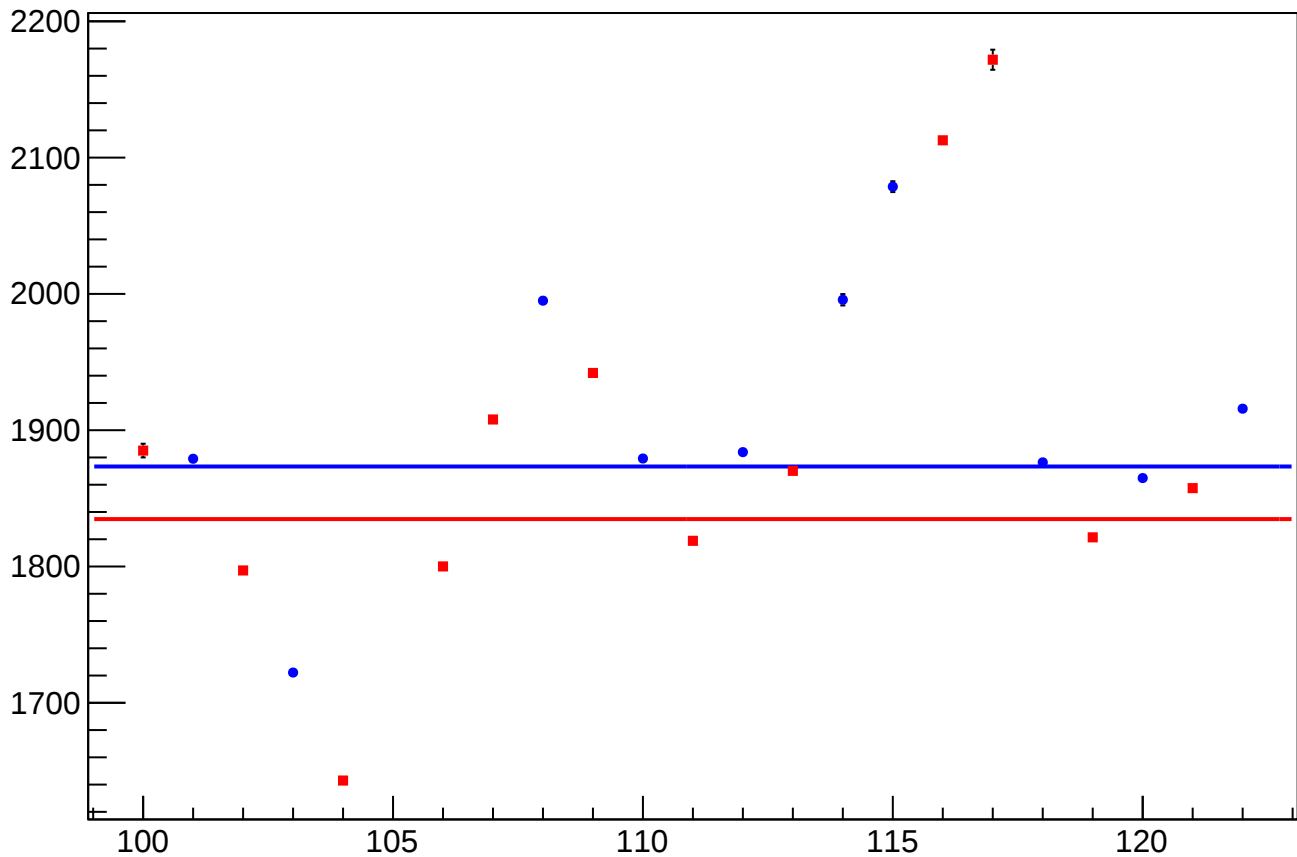
Right Out: -14.416+/-0.880  $\chi^2$ /NDF: 429.7/11

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

24.817+/-0.955  $\chi^2$ /NDF: 699.2/9

-14.416+/-0.880  $\chi^2$ /NDF: 429.7/11

# diff\_bpm0i05Y\_rms vs Slug



Right In: 1873.372 $\pm$ 0.675  $\chi^2$ /NDF: 15514.7/9

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

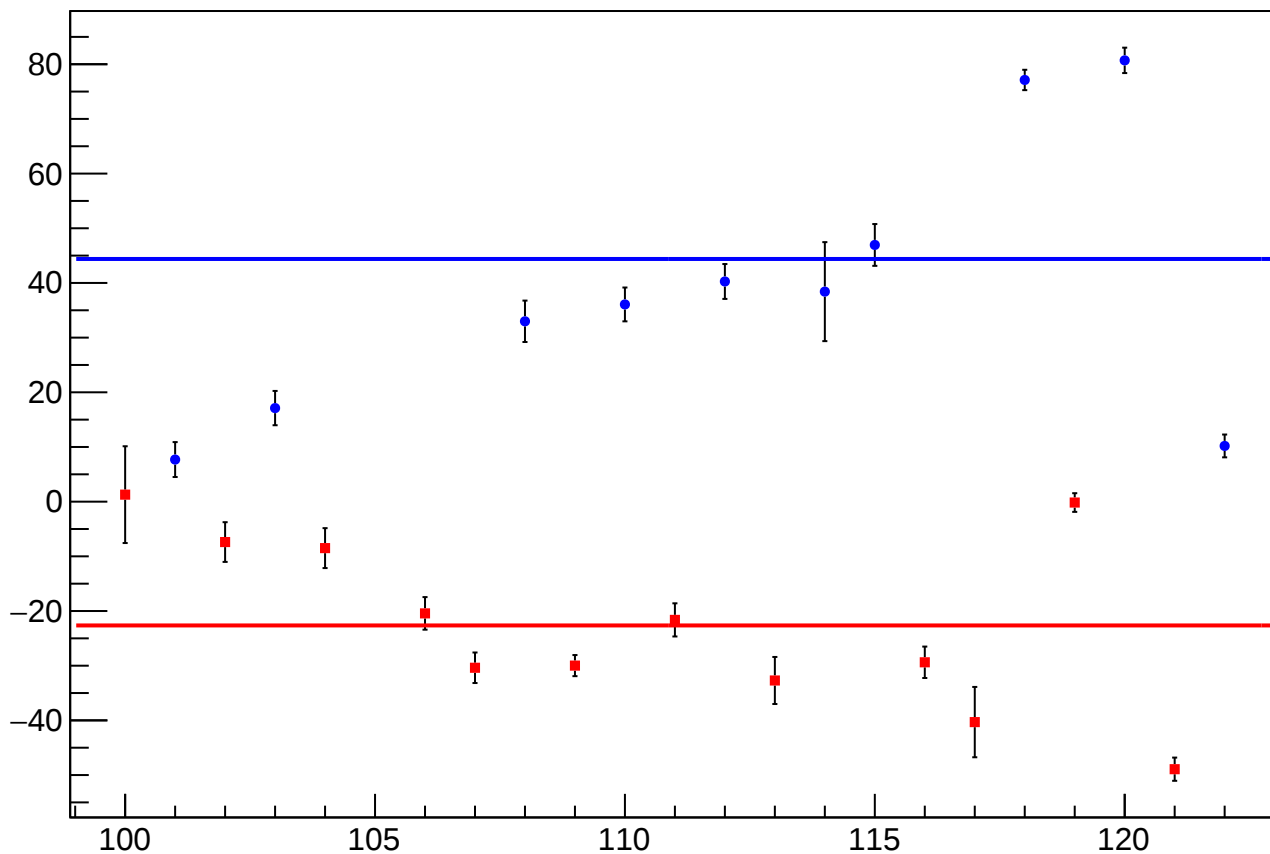
Right Out: 1834.791 $\pm$ 0.622  $\chi^2$ /NDF: 29759.3/11

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

1873.372 $\pm$ 0.675  $\chi^2$ /NDF: 15514.7/9

1834.791 $\pm$ 0.622  $\chi^2$ /NDF: 29759.3/11

# diff\_bpm0i07X\_mean vs Slug



Right In: 44.385+/-0.892  $\chi^2/\text{NDF}$ : 1049.2/9

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

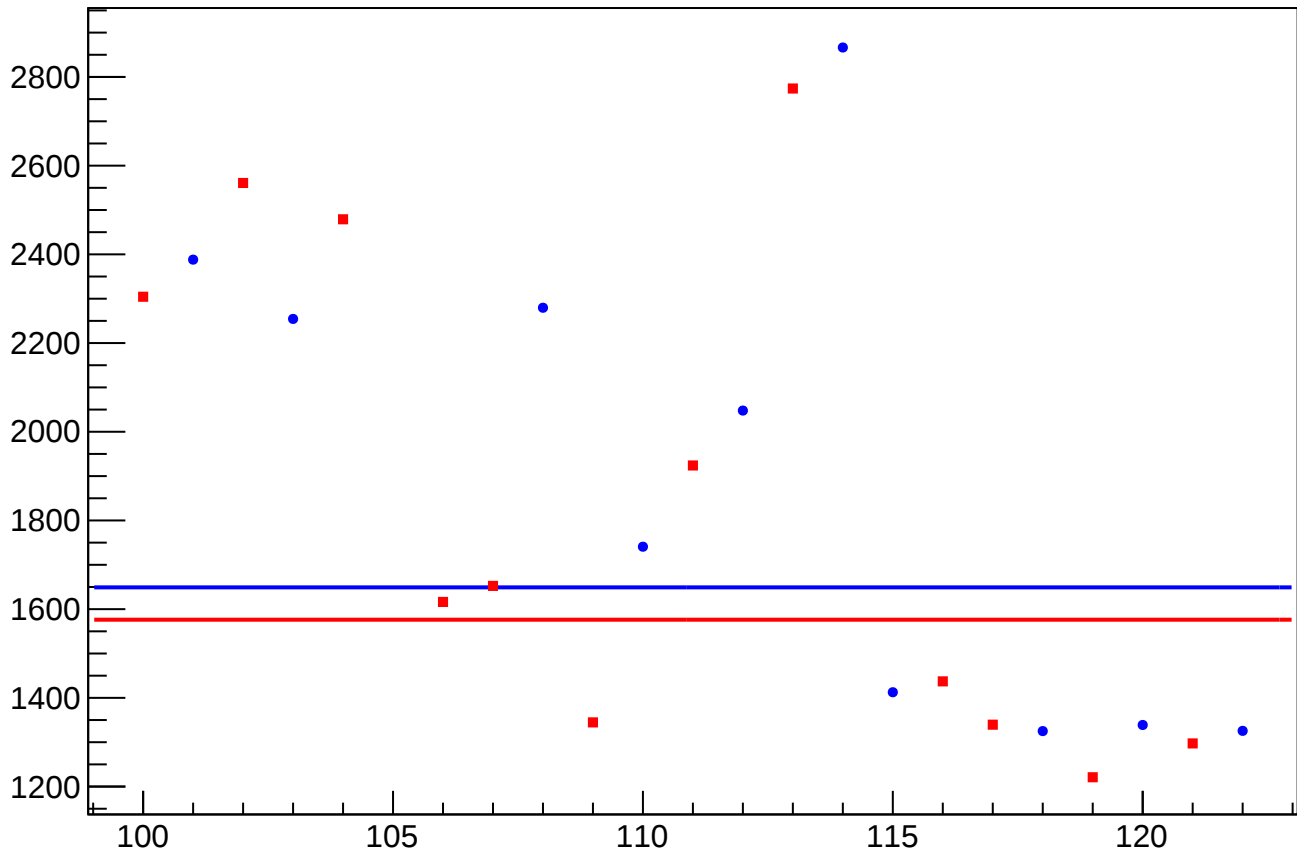
Right Out: -22.639+/-0.804  $\chi^2/\text{NDF}$ : 408.1/11

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

44.385+/-0.892  $\chi^2/\text{NDF}$ : 1049.2/9

-22.639+/-0.804  $\chi^2/\text{NDF}$ : 408.1/11

# diff\_bpm0i07X\_rms vs Slug



Right In: 1649.136 $\pm$ 0.631  $\chi^2$ /NDF: 458327.0/9

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

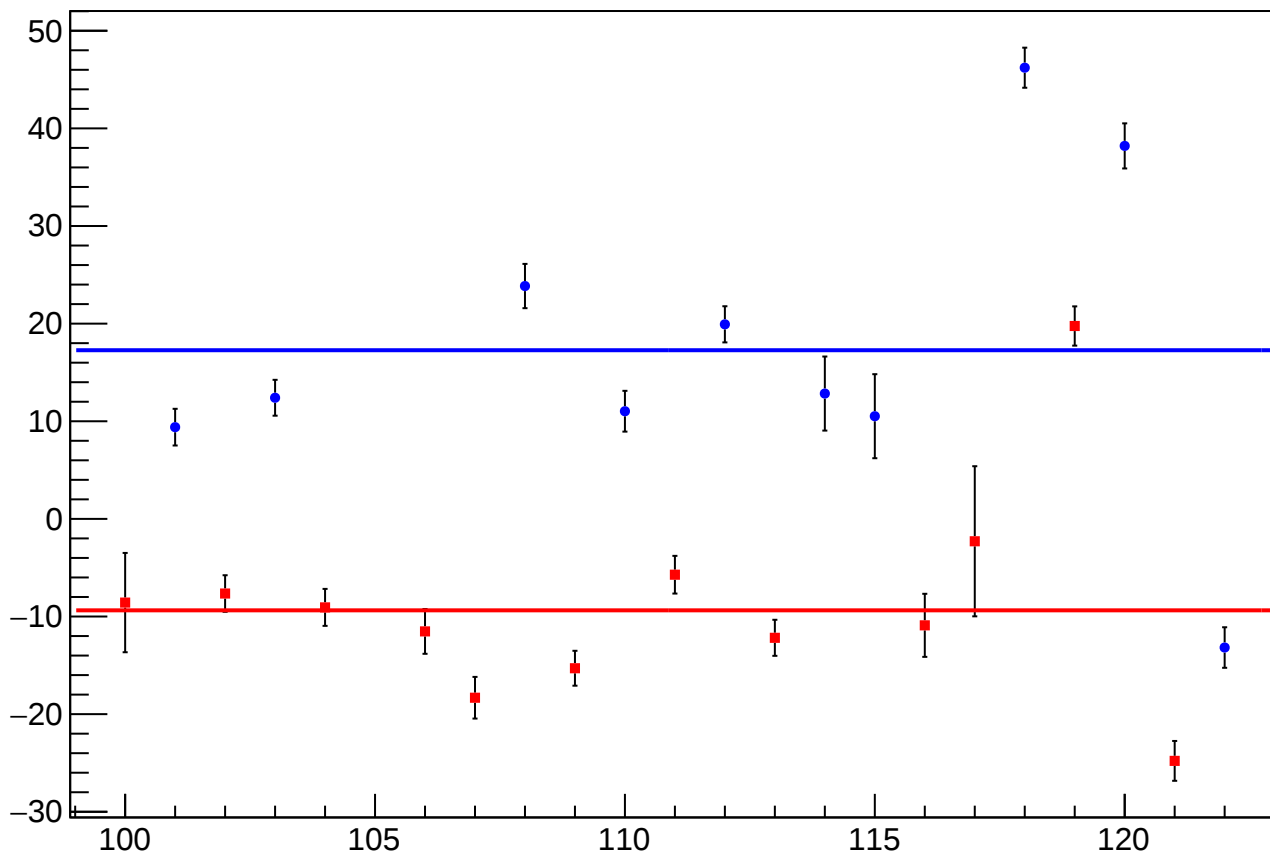
Right Out: 1576.225 $\pm$ 0.569  $\chi^2$ /NDF: 623351.5/11

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

1649.136 $\pm$ 0.631  $\chi^2$ /NDF: 458327.0/9

1576.225 $\pm$ 0.569  $\chi^2$ /NDF: 623351.5/11

# diff\_bpm0i07Y\_mean vs Slug



Right In: 17.277+/-0.694  $\chi^2$ /NDF: 543.9/9

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

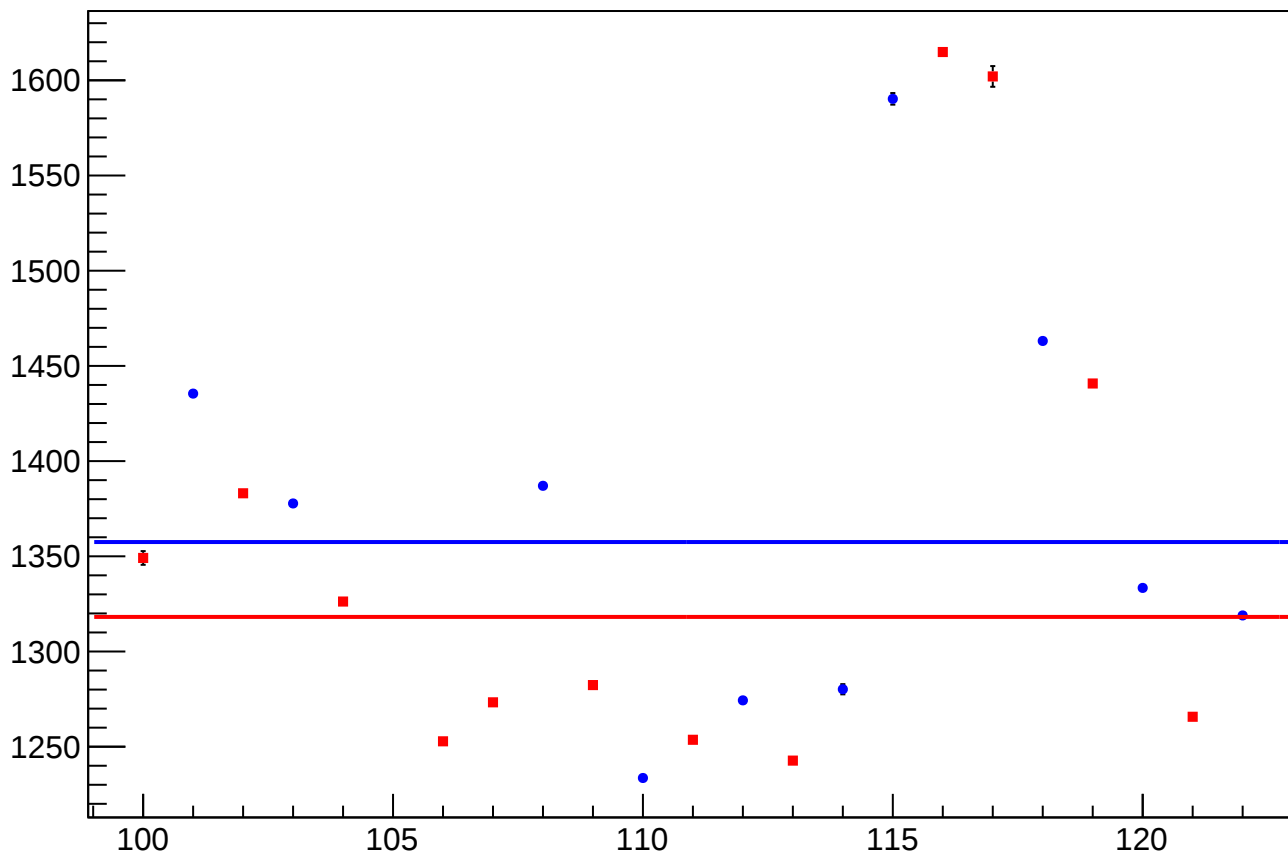
Right Out: -9.367+/-0.634  $\chi^2$ /NDF: 304.4/11

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

17.277+/-0.694  $\chi^2$ /NDF: 543.9/9

-9.367+/-0.634  $\chi^2$ /NDF: 304.4/11

# diff\_bpm0i07Y\_rms vs Slug



Right In: 1357.494+/-0.491  $\chi^2/\text{NDF}$ : 27985.9/9

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

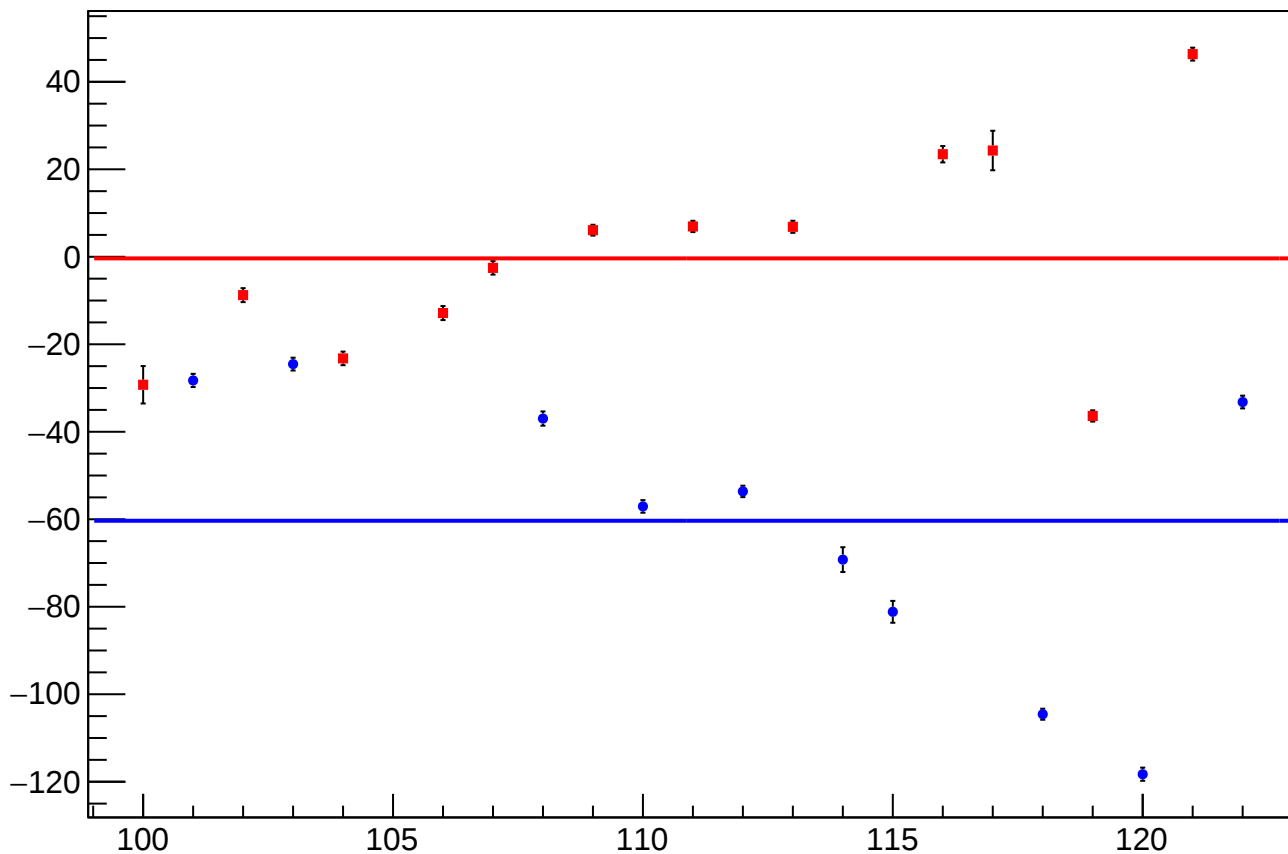
Right Out: 1318.166+/-0.448  $\chi^2/\text{NDF}$ : 39760.1/11

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

1357.494+/-0.491  $\chi^2/\text{NDF}$ : 27985.9/9

1318.166+/-0.448  $\chi^2/\text{NDF}$ : 39760.1/11

# diff\_bpm1i02X\_mean vs Slug



Right In: -60.343+/-0.489  $\chi^2/\text{NDF}$ : 4423.7/9

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

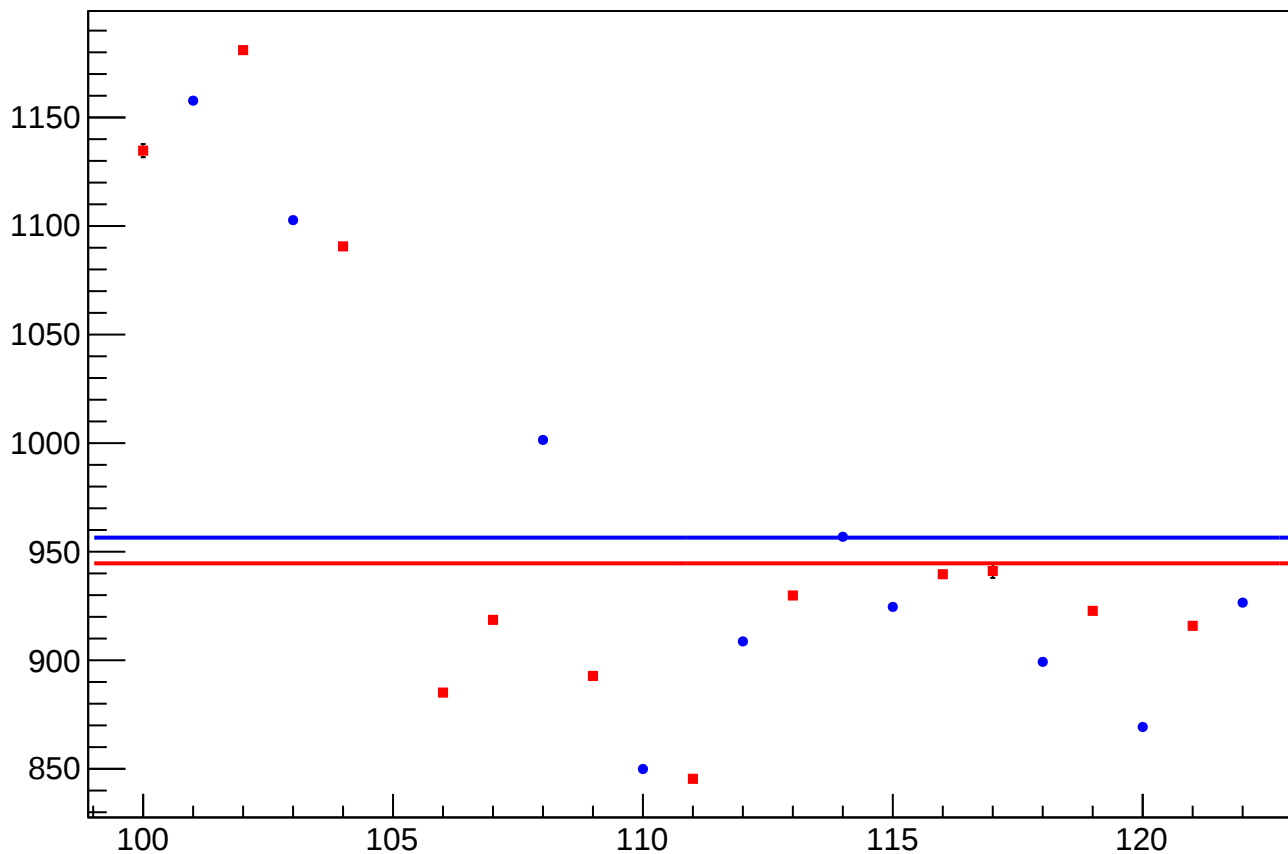
Right Out: -0.364+/-0.454  $\chi^2/\text{NDF}$ : 2414.9/11

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

-60.343+/-0.489  $\chi^2/\text{NDF}$ : 4423.7/9

-0.364+/-0.454  $\chi^2/\text{NDF}$ : 2414.9/11

# diff\_bpm1i02X\_rms vs Slug



Right In: 956.491+/-0.346  $\chi^2/\text{NDF}$ : 82602.6/9

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

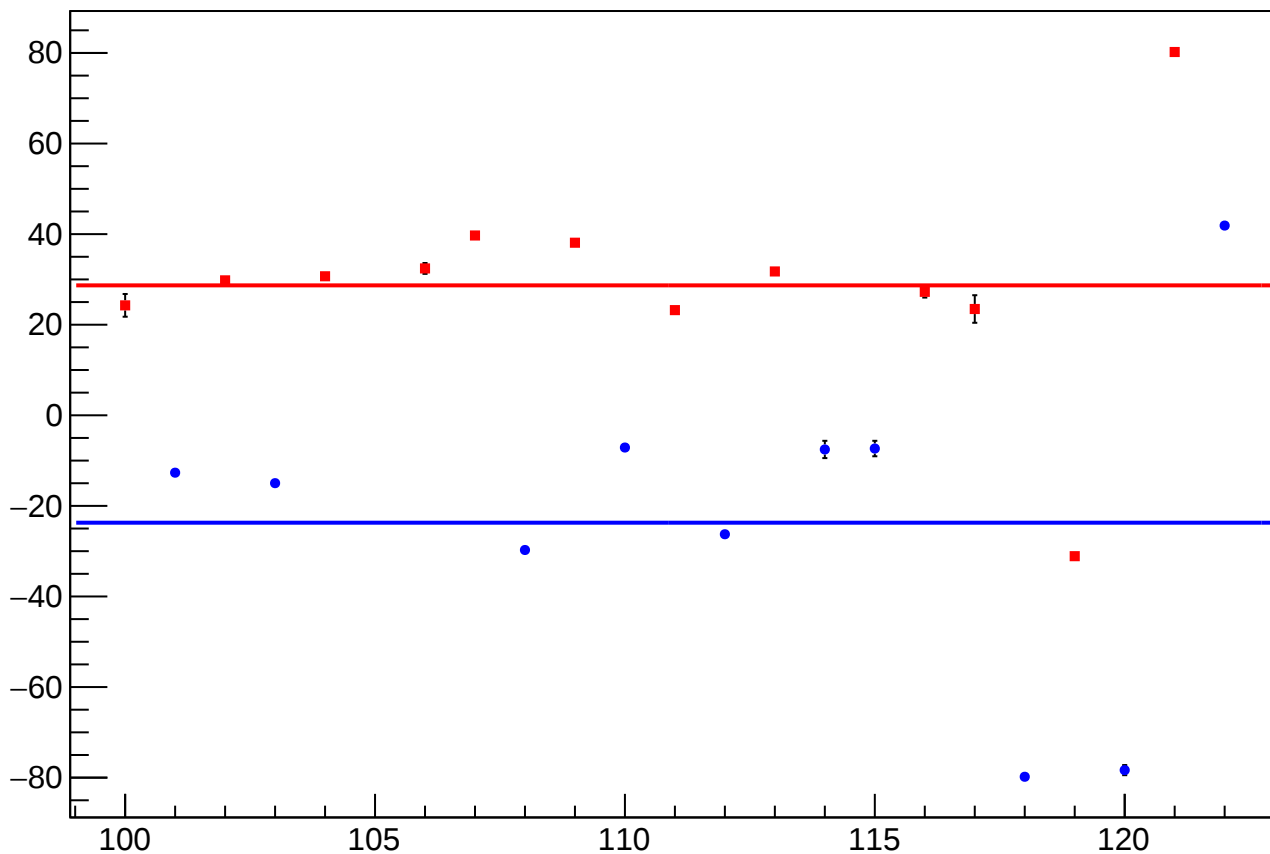
Right Out: 944.639+/-0.321  $\chi^2/\text{NDF}$ : 85581.3/11

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

956.491+/-0.346  $\chi^2/\text{NDF}$ : 82602.6/9

944.639+/-0.321  $\chi^2/\text{NDF}$ : 85581.3/11

# diff\_bpm1i02Y\_mean vs Slug



Right In: -23.712 $\pm$ 0.330  $\chi^2$ /NDF: 11805.2/9

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

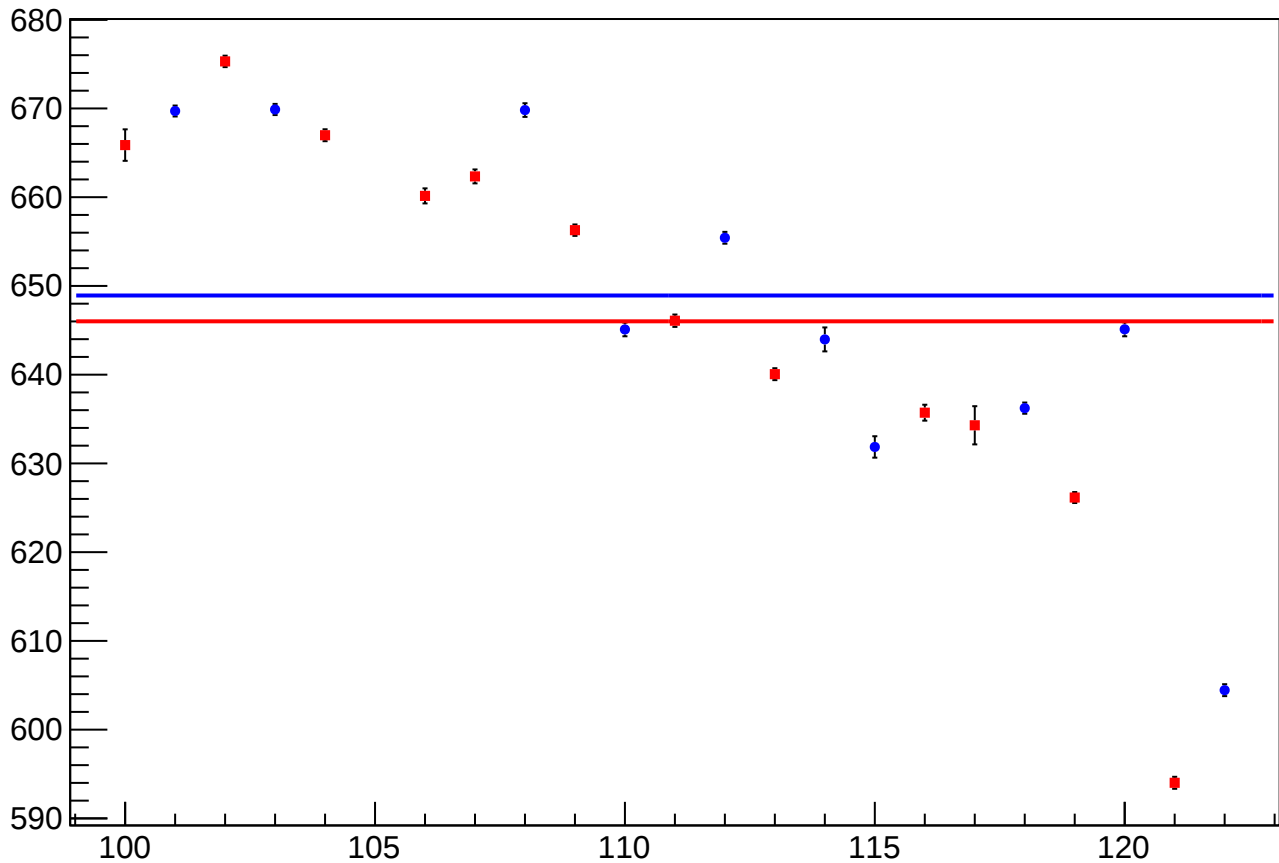
Right Out: 28.688 $\pm$ 0.309  $\chi^2$ /NDF: 7861.8/11

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

-23.712 $\pm$ 0.330  $\chi^2$ /NDF: 11805.2/9

28.688 $\pm$ 0.309  $\chi^2$ /NDF: 7861.8/11

# diff\_bpm1i02Y\_rms vs Slug



Right In: 648.922 $\pm$ 0.233  $\chi^2$ /NDF: 8126.6/9

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

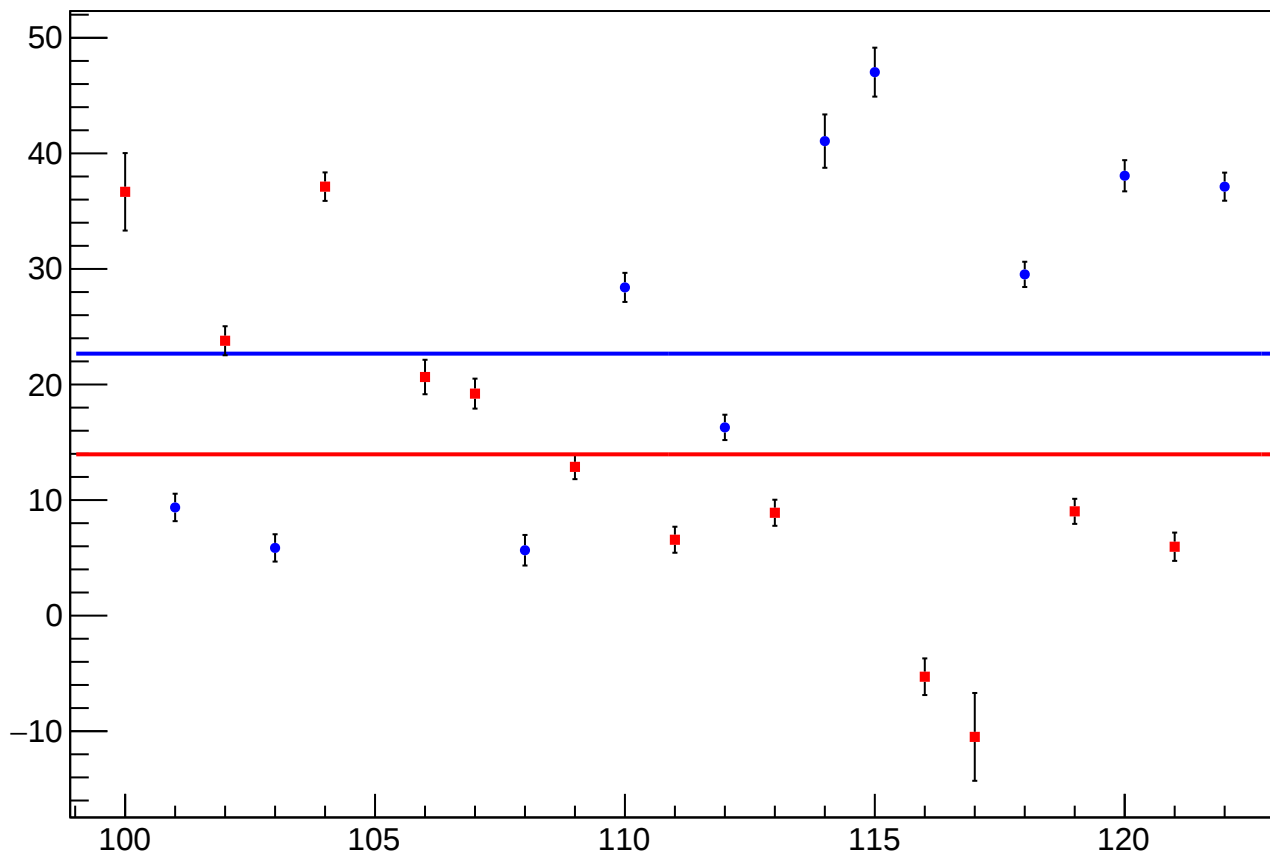
Right Out: 646.012 $\pm$ 0.219  $\chi^2$ /NDF: 11310.3/11

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

648.922 $\pm$ 0.233  $\chi^2$ /NDF: 8126.6/9

646.012 $\pm$ 0.219  $\chi^2$ /NDF: 11310.3/11

# diff\_bpm1i04X\_mean vs Slug



Right In: 22.671 $\pm$ 0.411  $\chi^2$ /NDF: 1054.3/9

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

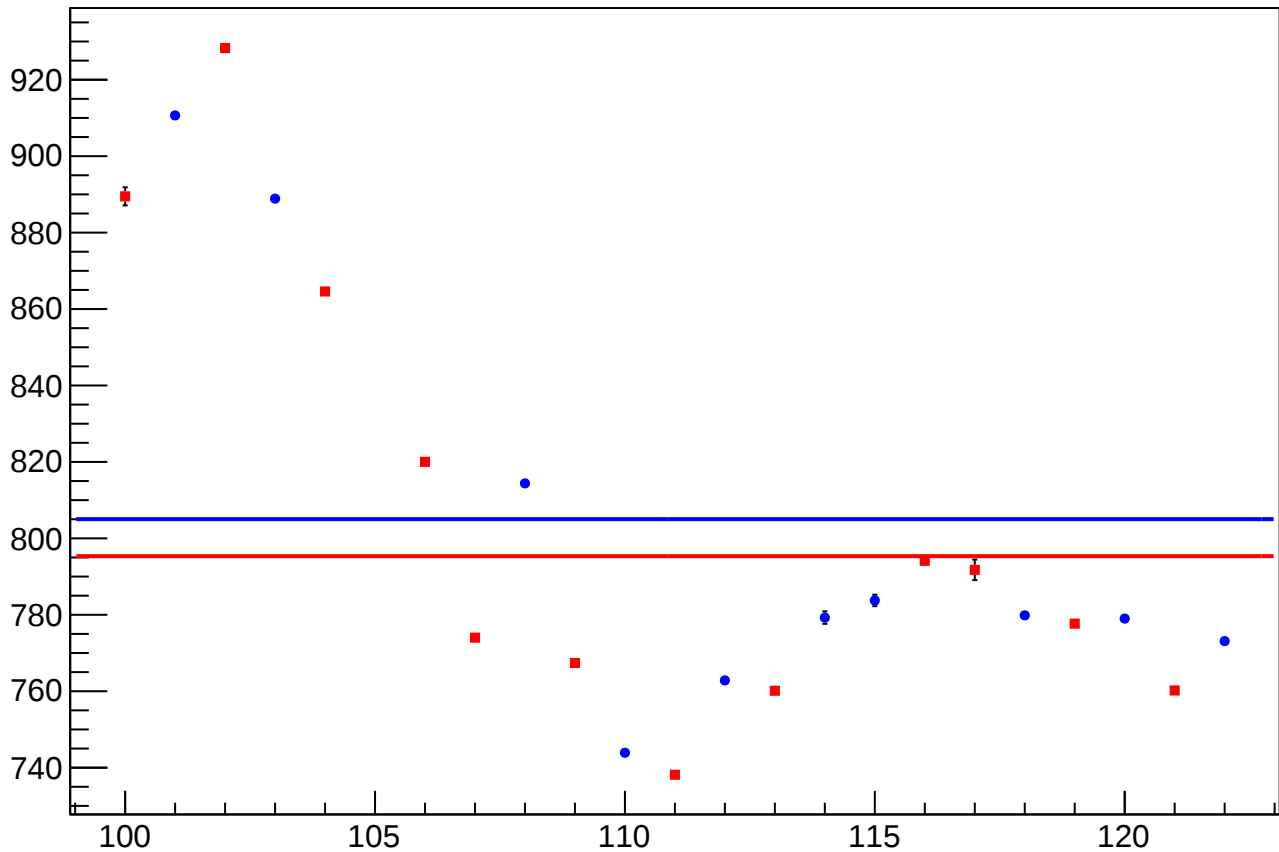
Right Out: 13.958 $\pm$ 0.382  $\chi^2$ /NDF: 813.2/11

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

22.671 $\pm$ 0.411  $\chi^2$ /NDF: 1054.3/9

13.958 $\pm$ 0.382  $\chi^2$ /NDF: 813.2/11

# diff\_bpm1i04X\_rms vs Slug



Right In: 805.029+/-0.290  $\chi^2/\text{NDF}$ : 37307.9/9

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

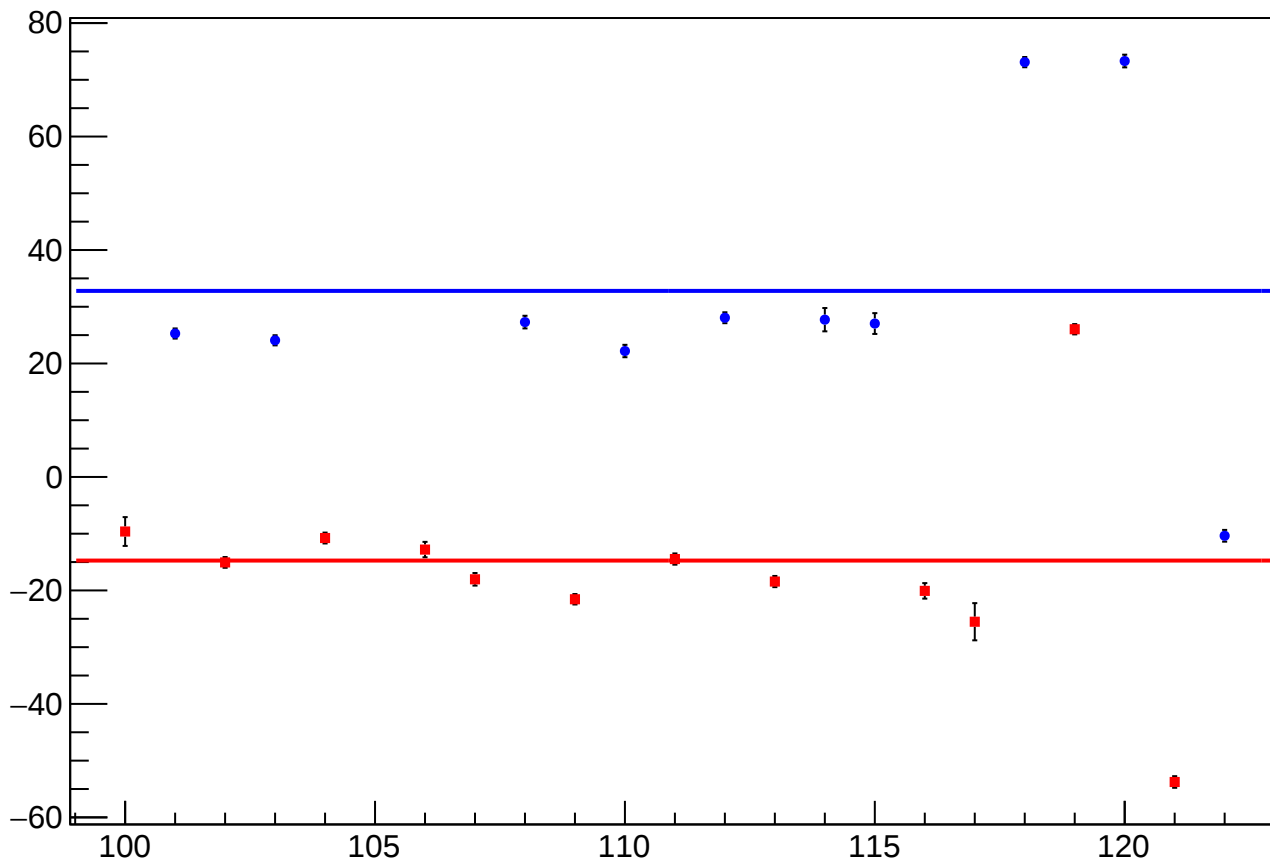
Right Out: 795.344+/-0.270  $\chi^2/\text{NDF}$ : 42066.4/11

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

805.029+/-0.290  $\chi^2/\text{NDF}$ : 37307.9/9

795.344+/-0.270  $\chi^2/\text{NDF}$ : 42066.4/11

# diff\_bpm1i04Y\_mean vs Slug



Right In: 32.795+/-0.339  $\chi^2$ /NDF: 5358.9/9

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

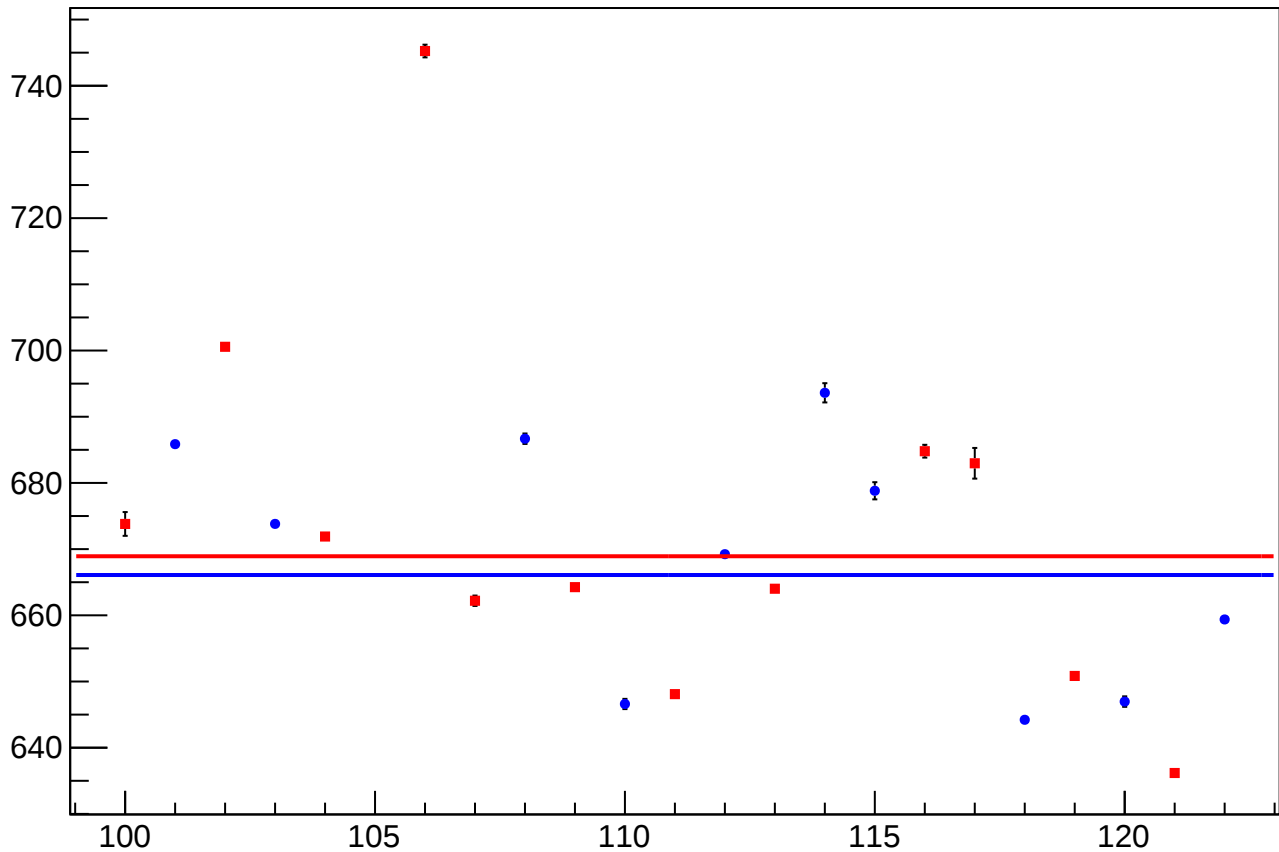
Right Out: -14.736+/-0.320  $\chi^2$ /NDF: 3596.6/11

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

32.795+/-0.339  $\chi^2$ /NDF: 5358.9/9

-14.736+/-0.320  $\chi^2$ /NDF: 3596.6/11

# diff\_bpm1i04Y\_rms vs Slug



Right In: 666.089+/-0.240  $\chi^2/\text{NDF}$ : 4759.3/9

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

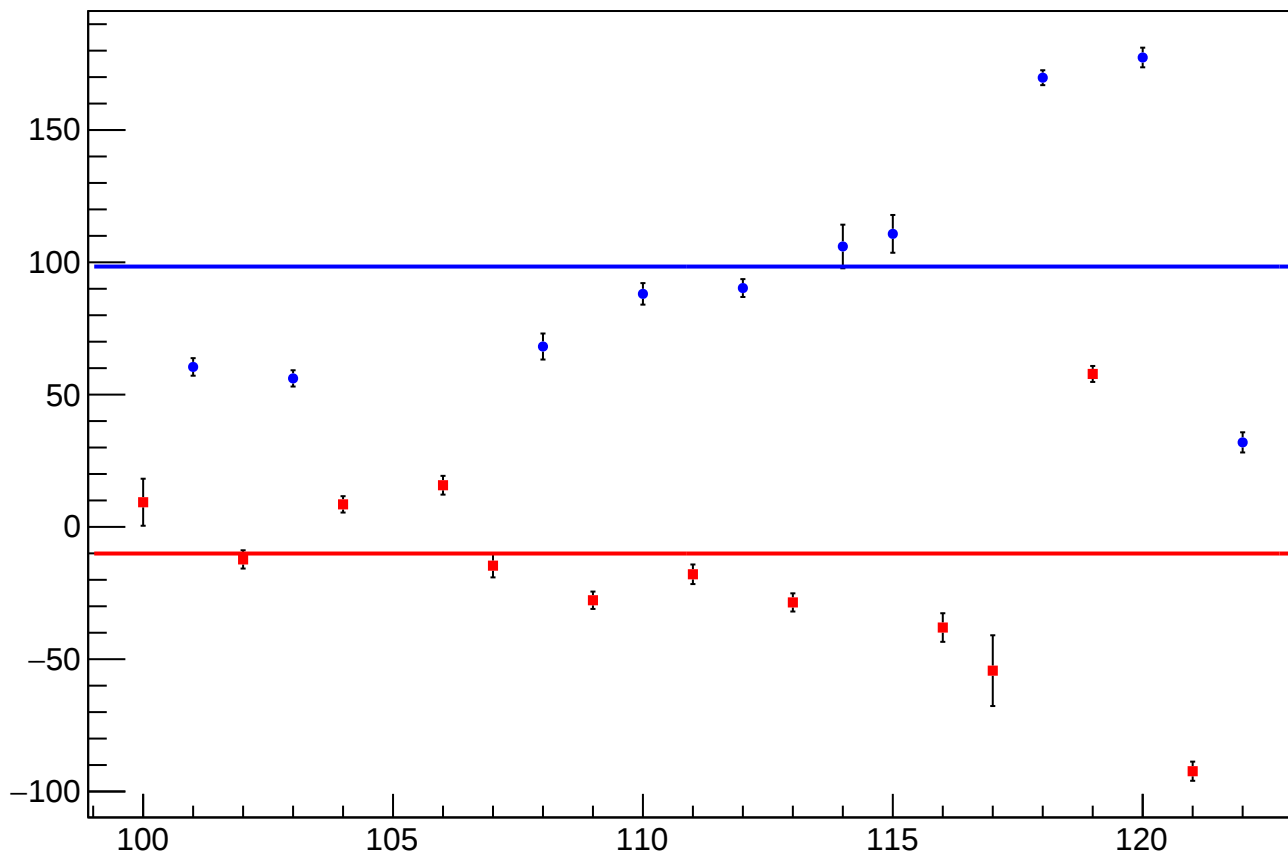
Right Out: 668.922+/-0.227  $\chi^2/\text{NDF}$ : 12780.0/11

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

666.089+/-0.240  $\chi^2/\text{NDF}$ : 4759.3/9

668.922+/-0.227  $\chi^2/\text{NDF}$ : 12780.0/11

# diff\_bpm1i06X\_mean vs Slug



Right In: 98.399+/-1.206  $\chi^2/\text{NDF}$ : 1771.5/9

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

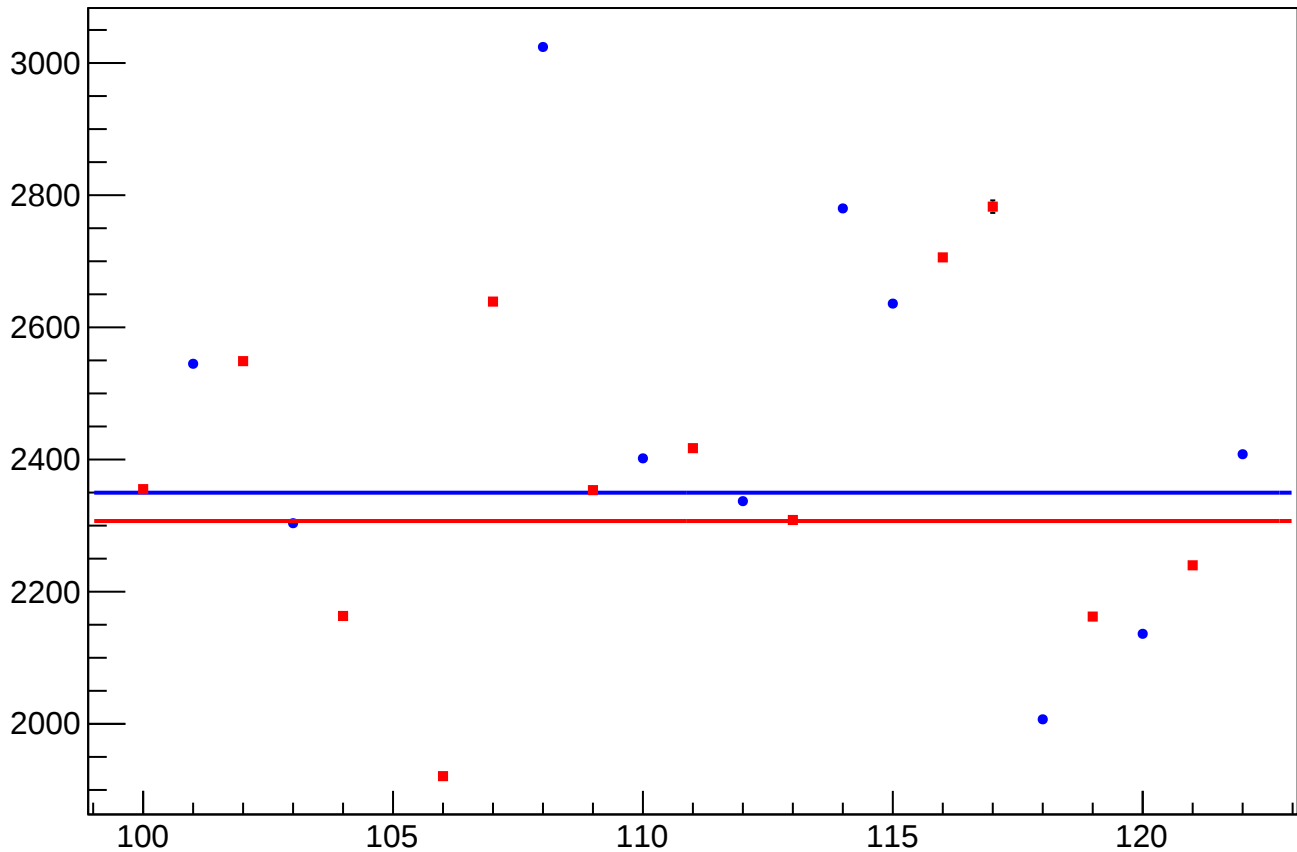
Right Out: -10.061+/-1.112  $\chi^2/\text{NDF}$ : 1216.5/11

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

98.399+/-1.206  $\chi^2/\text{NDF}$ : 1771.5/9

-10.061+/-1.112  $\chi^2/\text{NDF}$ : 1216.5/11

# diff\_bpm1i06X\_rms vs Slug



Right In: 2349.822+/-0.853  $\chi^2/\text{NDF}$ : 90661.4/9

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

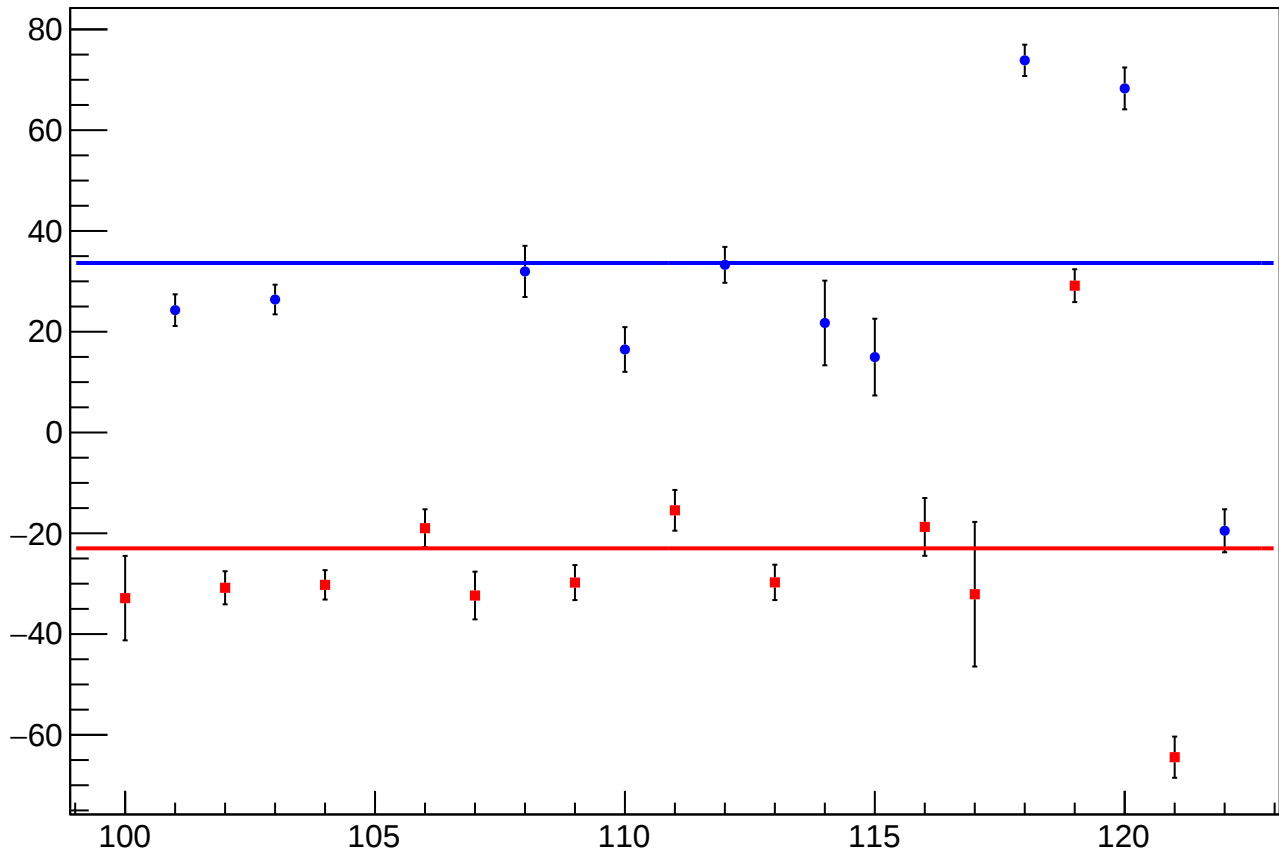
Right Out: 2306.972+/-0.787  $\chi^2/\text{NDF}$ : 70025.9/11

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

2349.822+/-0.853  $\chi^2/\text{NDF}$ : 90661.4/9

2306.972+/-0.787  $\chi^2/\text{NDF}$ : 70025.9/11

# diff\_bpm1i06Y\_mean vs Slug



Right In: 33.646+/-1.257  $\chi^2/\text{NDF}$ : 429.8/9

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

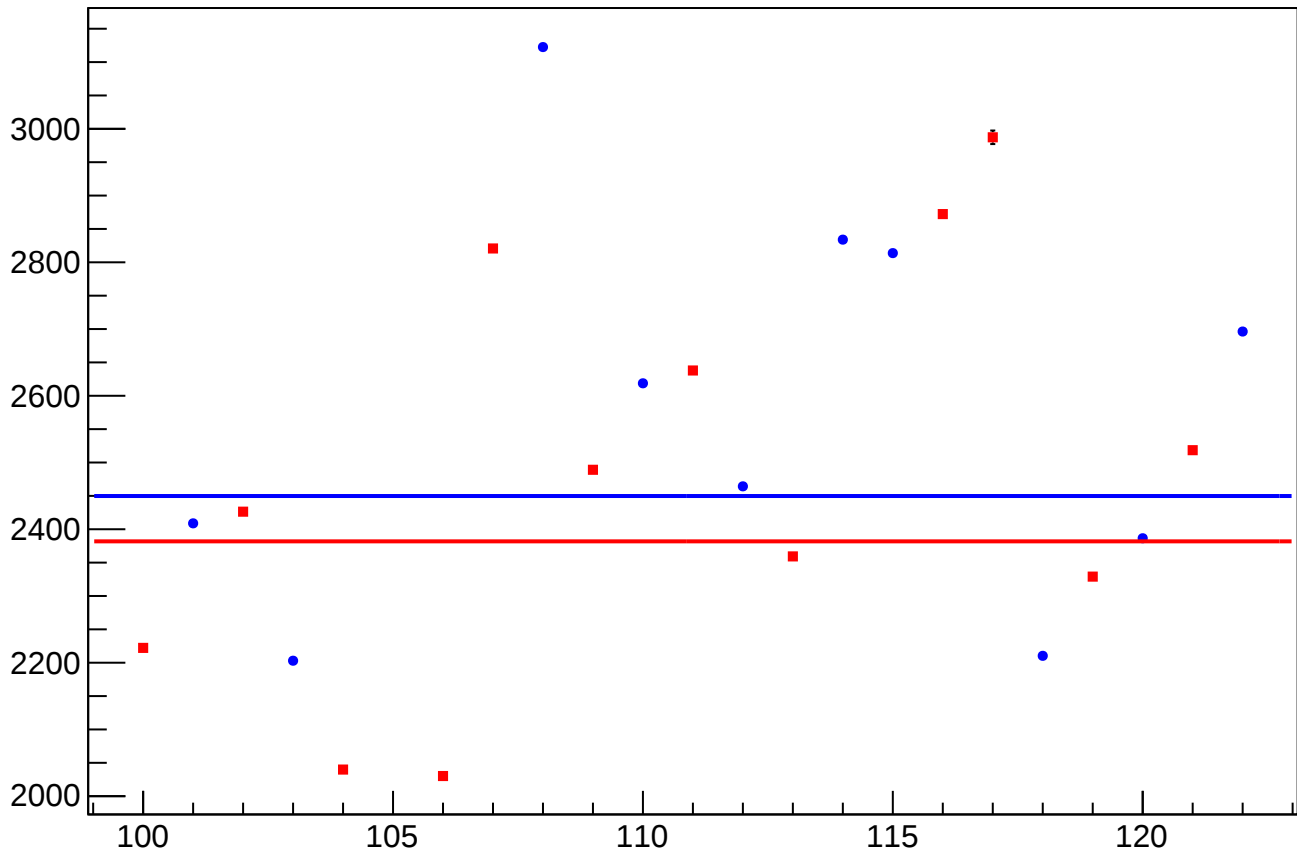
Right Out: -22.986+/-1.151  $\chi^2/\text{NDF}$ : 388.3/11

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

33.646+/-1.257  $\chi^2/\text{NDF}$ : 429.8/9

-22.986+/-1.151  $\chi^2/\text{NDF}$ : 388.3/11

# diff\_bpm1i06Y\_rms vs Slug



Right In: 2449.790 $\pm$ 0.889  $\chi^2$ /NDF: 80164.1/9

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

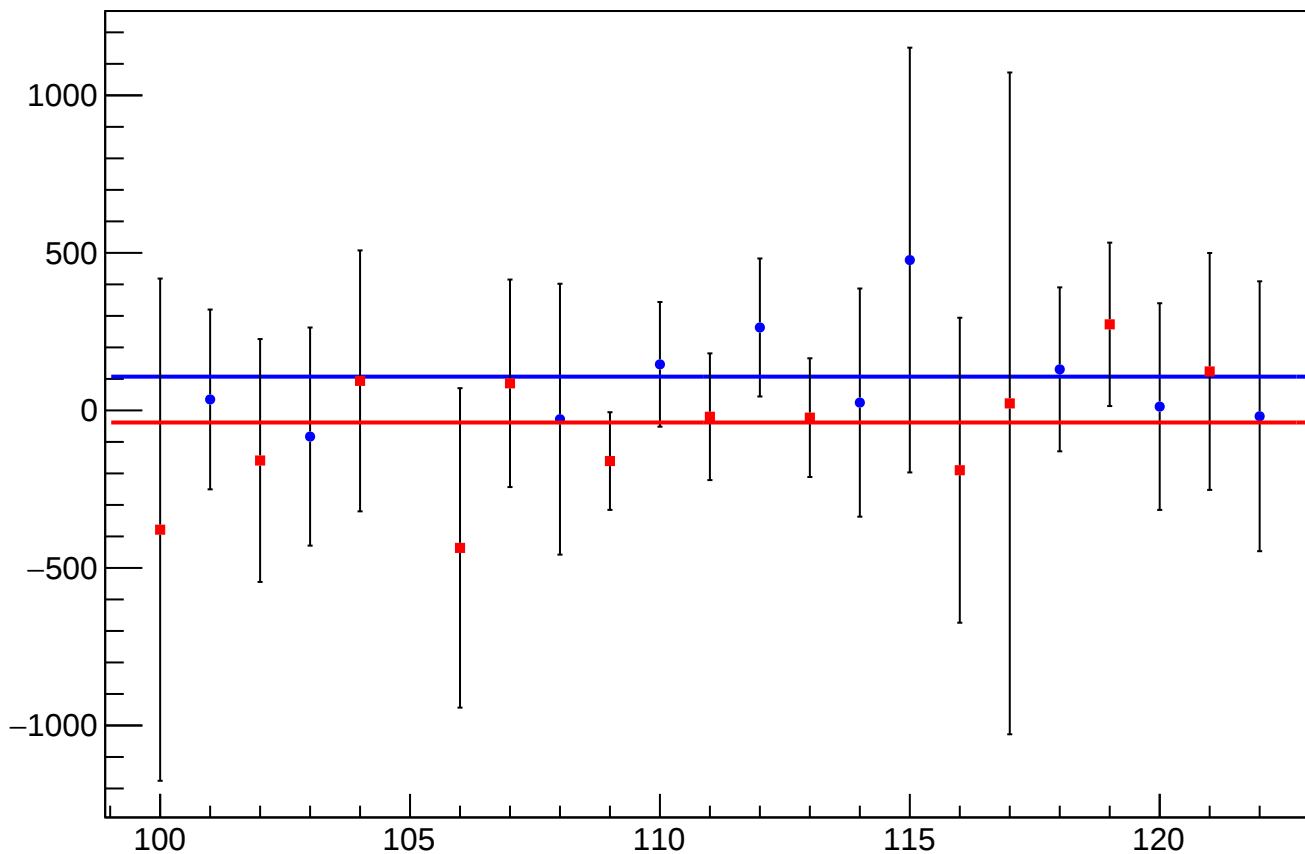
Right Out: 2381.855 $\pm$ 0.814  $\chi^2$ /NDF: 94325.0/11

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

2449.790 $\pm$ 0.889  $\chi^2$ /NDF: 80164.1/9

2381.855 $\pm$ 0.814  $\chi^2$ /NDF: 94325.0/11

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



Right In: 107.198+/-94.586  $\chi^2/\text{NDF}$ : 1.5/9

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

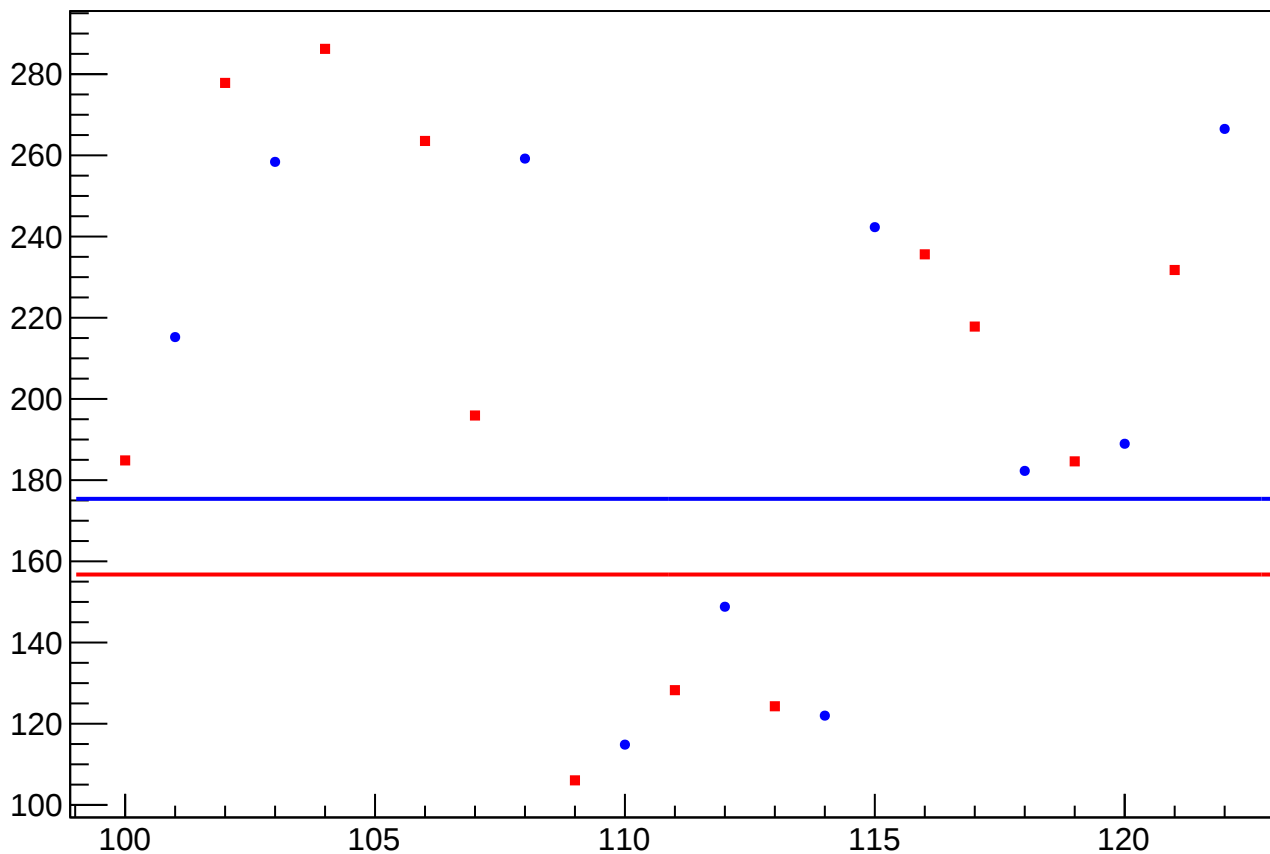
Right Out: -38.359+/-81.961  $\chi^2/\text{NDF}$ : 3.5/11

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

107.198+/-94.586  $\chi^2/\text{NDF}$ : 1.5/9

-38.359+/-81.961  $\chi^2/\text{NDF}$ : 3.5/11

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



Right In: 175.391+/-0.067  $\chi^2/\text{NDF}$ : 605292.8/9

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

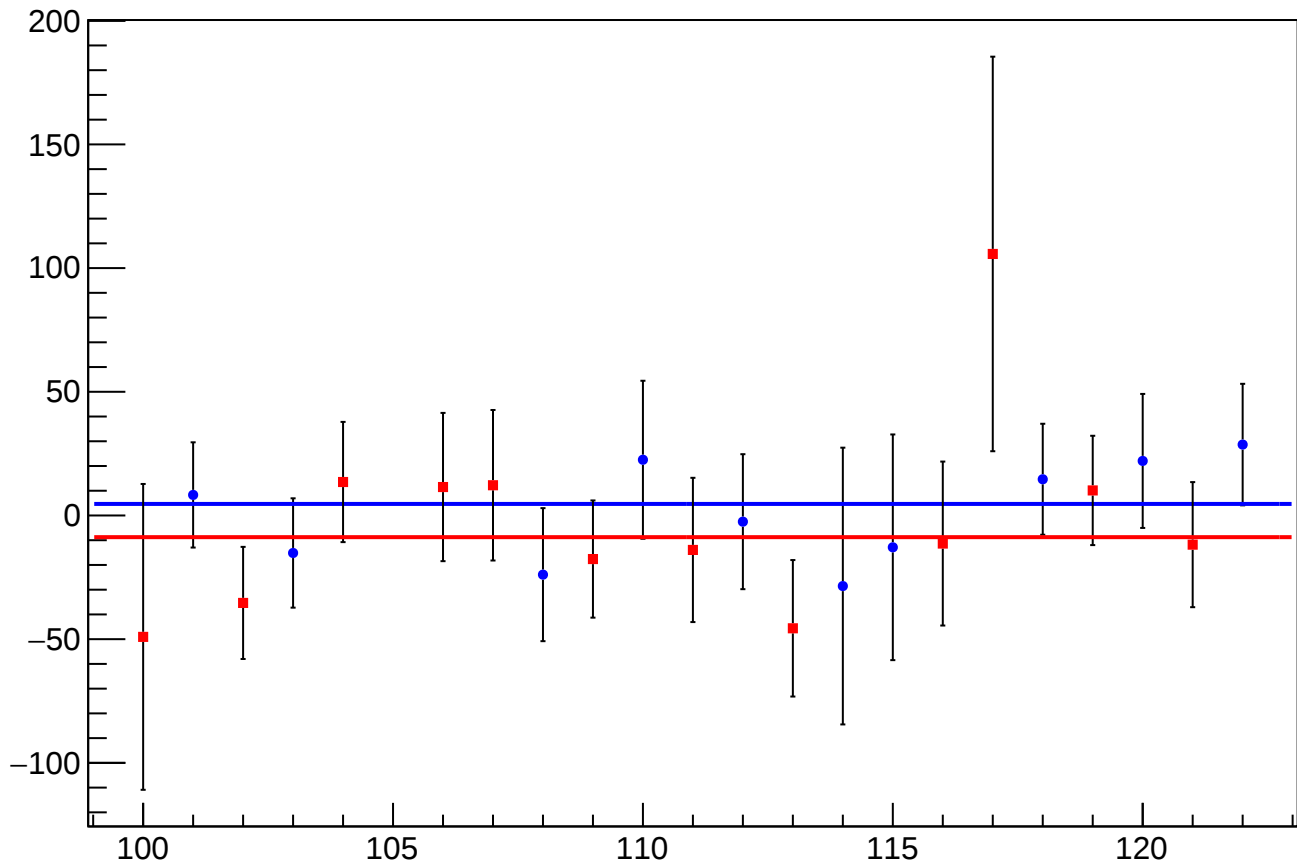
Right Out: 156.752+/-0.058  $\chi^2/\text{NDF}$ : 988324.8/11

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

175.391+/-0.067  $\chi^2/\text{NDF}$ : 605292.8/9

156.752+/-0.058  $\chi^2/\text{NDF}$ : 988324.8/11

asym\_bcm\_an\_avg\_bcm\_dg\_ds\_agg\_dd\_mean vs Slug



Right In: 4.668+/-8.521  $\chi^2/\text{NDF}$ : 4.4/9

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

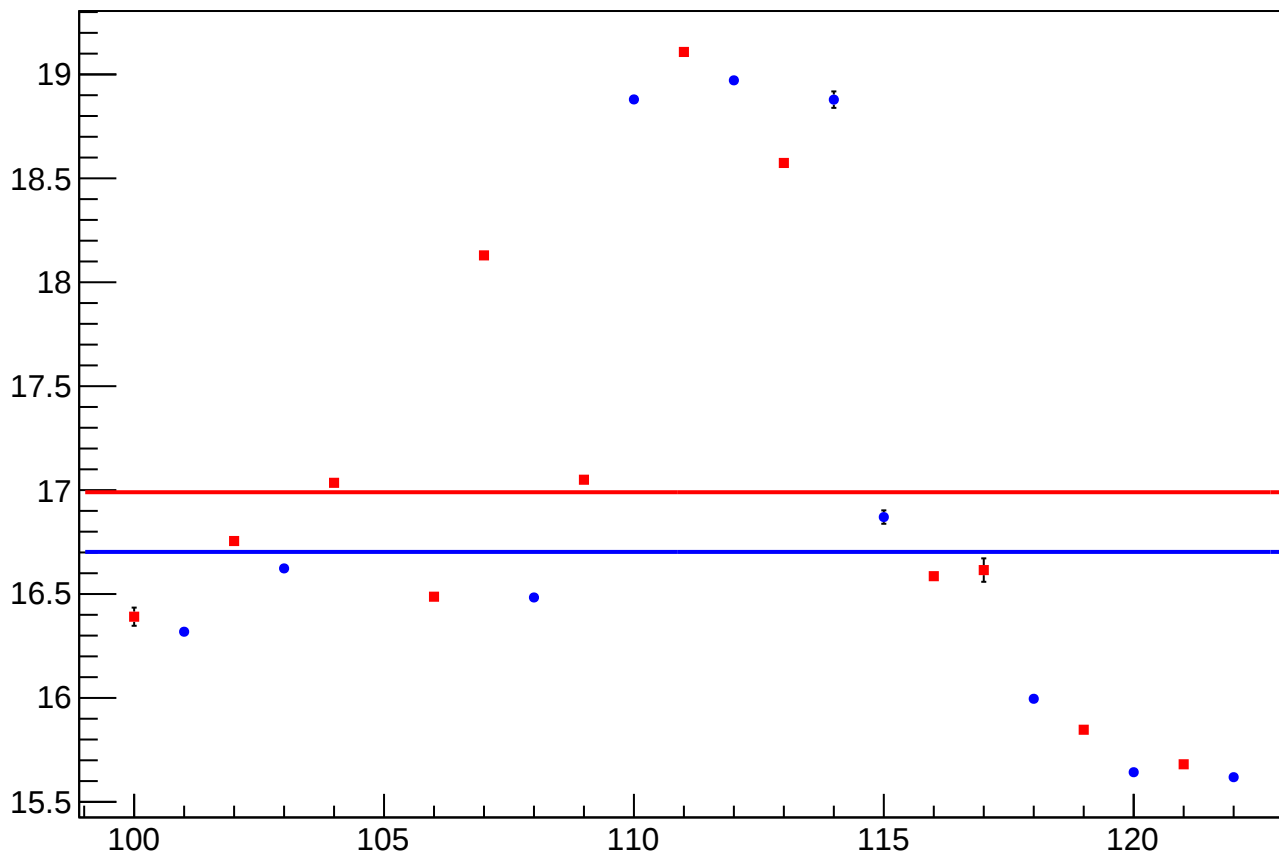
Right Out: -8.763+/-8.151  $\chi^2/\text{NDF}$ : 8.3/11

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

4.668+/-8.521  $\chi^2/\text{NDF}$ : 4.4/9

-8.763+/-8.151  $\chi^2/\text{NDF}$ : 8.3/11

asym\_bcm\_an\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs Slug



Right In: 16.703+/-0.006  $\chi^2/\text{NDF}$ : 35937.4/9

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

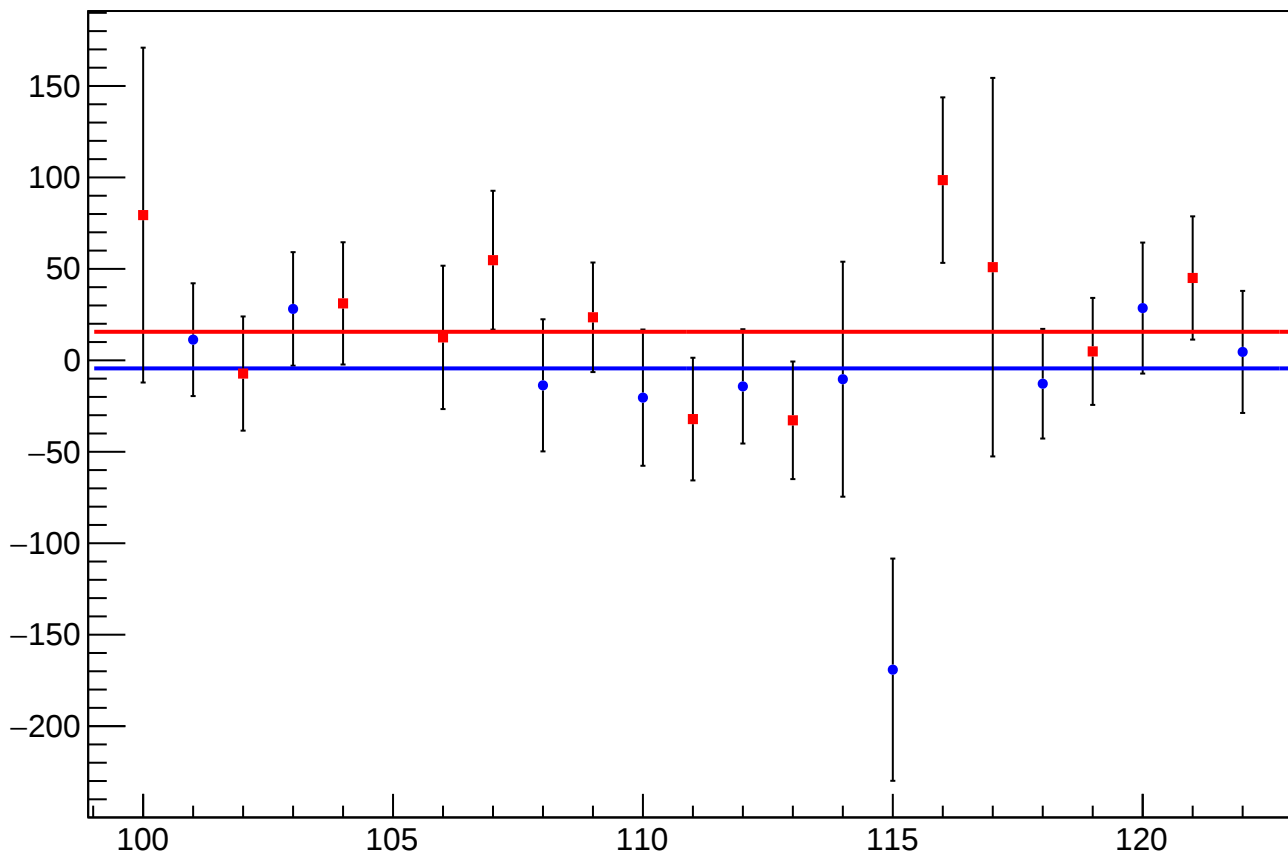
Right Out: 16.990+/-0.006  $\chi^2/\text{NDF}$ : 31996.7/11

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

16.703+/-0.006  $\chi^2/\text{NDF}$ : 35937.4/9

16.990+/-0.006  $\chi^2/\text{NDF}$ : 31996.7/11

asym\_bcm\_an\_avg\_bcm\_dg\_us\_agg\_dd\_mean vs Slug



Right In: -4.406+/-11.247  $\chi^2/\text{NDF}$ : 10.1/9

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

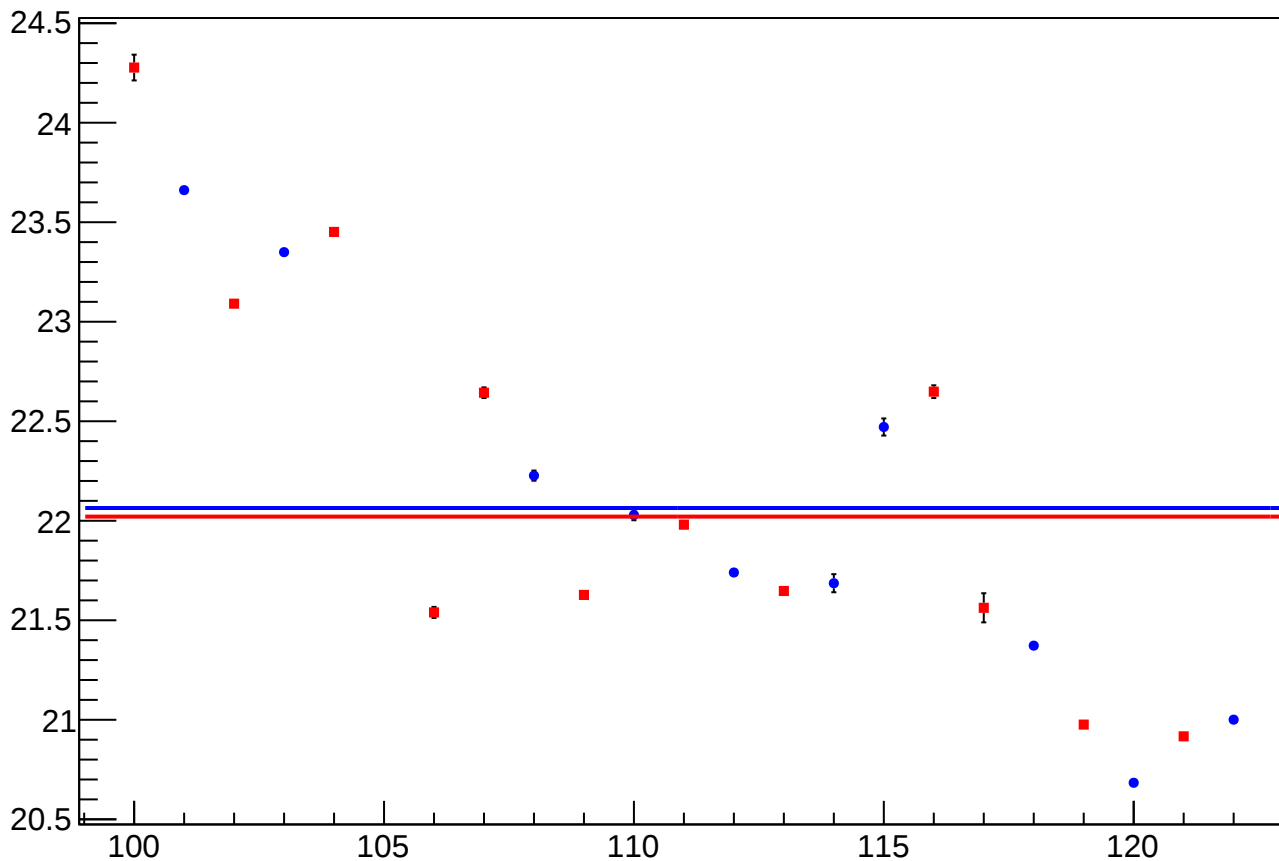
Right Out: 15.611+/-10.546  $\chi^2/\text{NDF}$ : 11.0/11

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

-4.406+/-11.247  $\chi^2/\text{NDF}$ : 10.1/9

15.611+/-10.546  $\chi^2/\text{NDF}$ : 11.0/11

asym\_bcm\_an\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs Slug



Right In: 22.064+/-0.008  $\chi^2/\text{NDF}$ : 15283.1/9

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

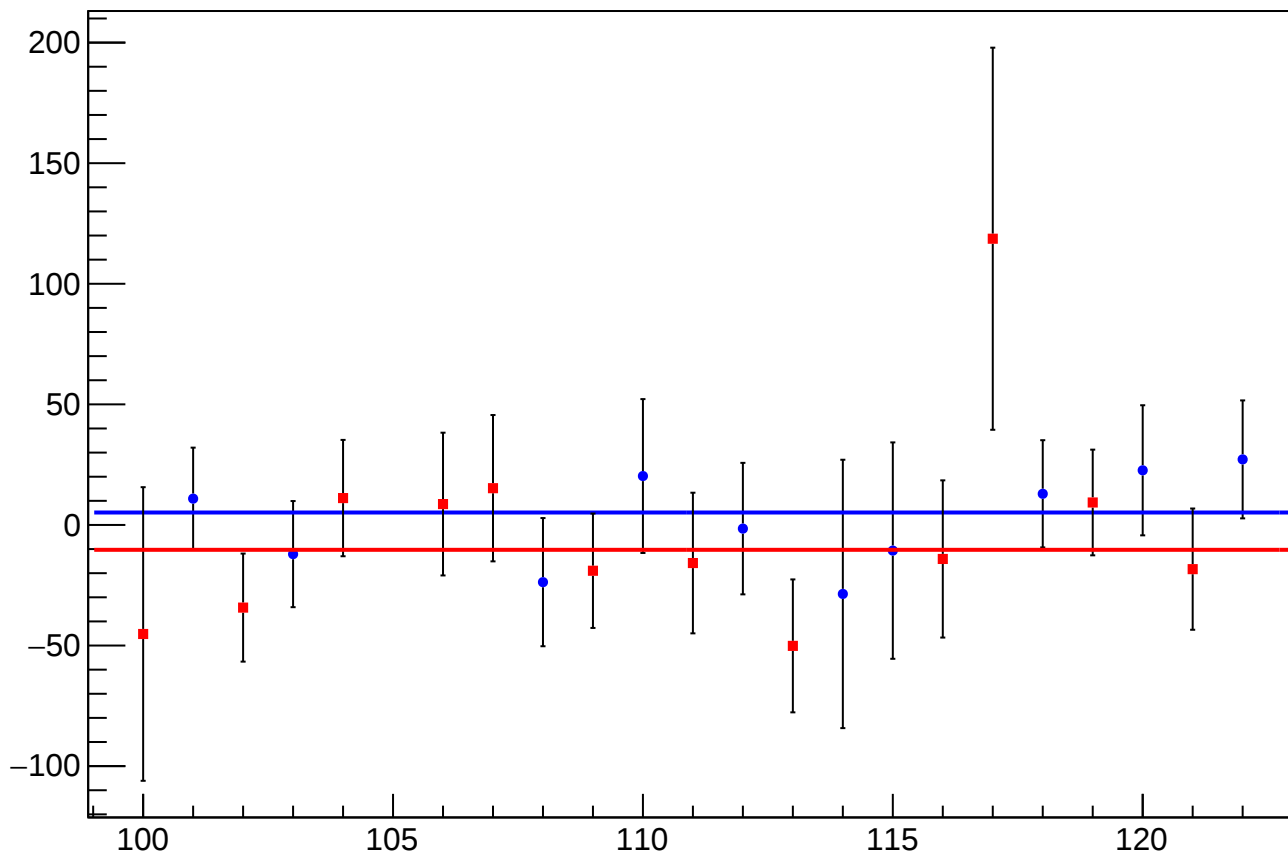
Right Out: 22.021+/-0.007  $\chi^2/\text{NDF}$ : 13812.2/11

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

22.064+/-0.008  $\chi^2/\text{NDF}$ : 15283.1/9

22.021+/-0.007  $\chi^2/\text{NDF}$ : 13812.2/11

asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_mean vs Slug



Right In: 5.161+/-8.471  $\chi^2/\text{NDF}$ : 4.0/9

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

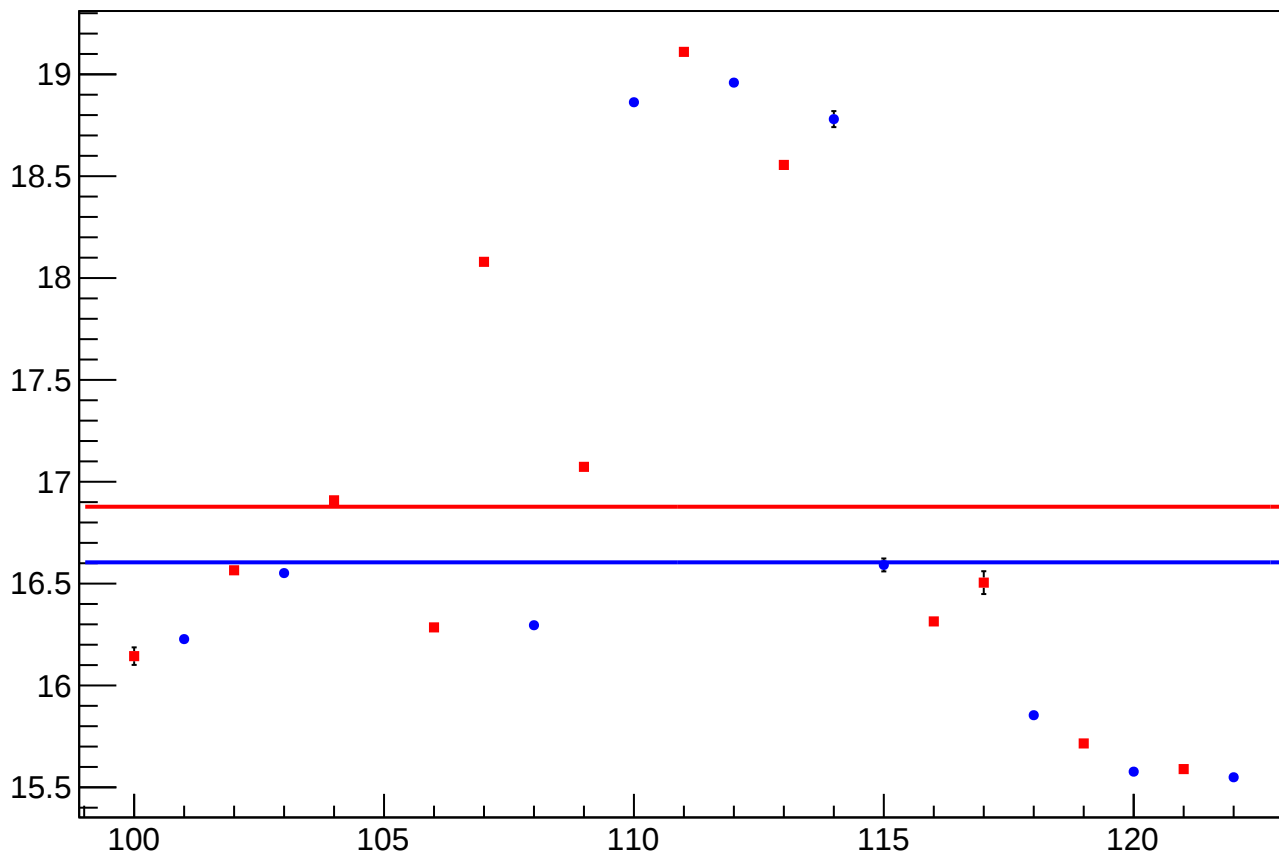
Right Out: -10.312+/-8.099  $\chi^2/\text{NDF}$ : 9.2/11

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

5.161+/-8.471  $\chi^2/\text{NDF}$ : 4.0/9

-10.312+/-8.099  $\chi^2/\text{NDF}$ : 9.2/11

asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_ds\_agg\_dd\_rms vs Slug



Right In: 16.604+/-0.006  $\chi^2/\text{NDF}$ : 37825.7/9

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

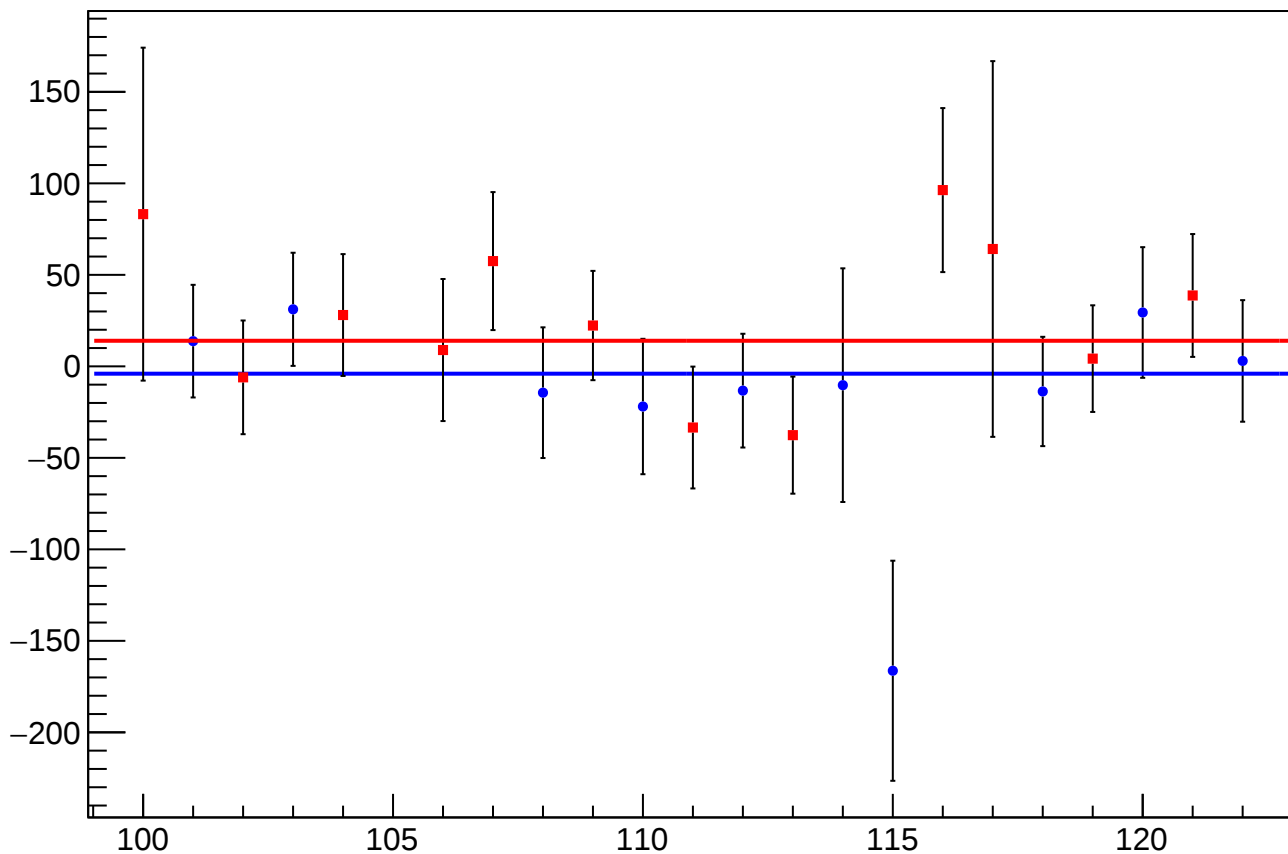
Right Out: 16.877+/-0.006  $\chi^2/\text{NDF}$ : 35419.3/11

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

16.604+/-0.006  $\chi^2/\text{NDF}$ : 37825.7/9

16.877+/-0.006  $\chi^2/\text{NDF}$ : 35419.3/11

asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_mean vs Slug



Right In: -4.011+/-11.190  $\chi^2/\text{NDF}$ : 10.4/9

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

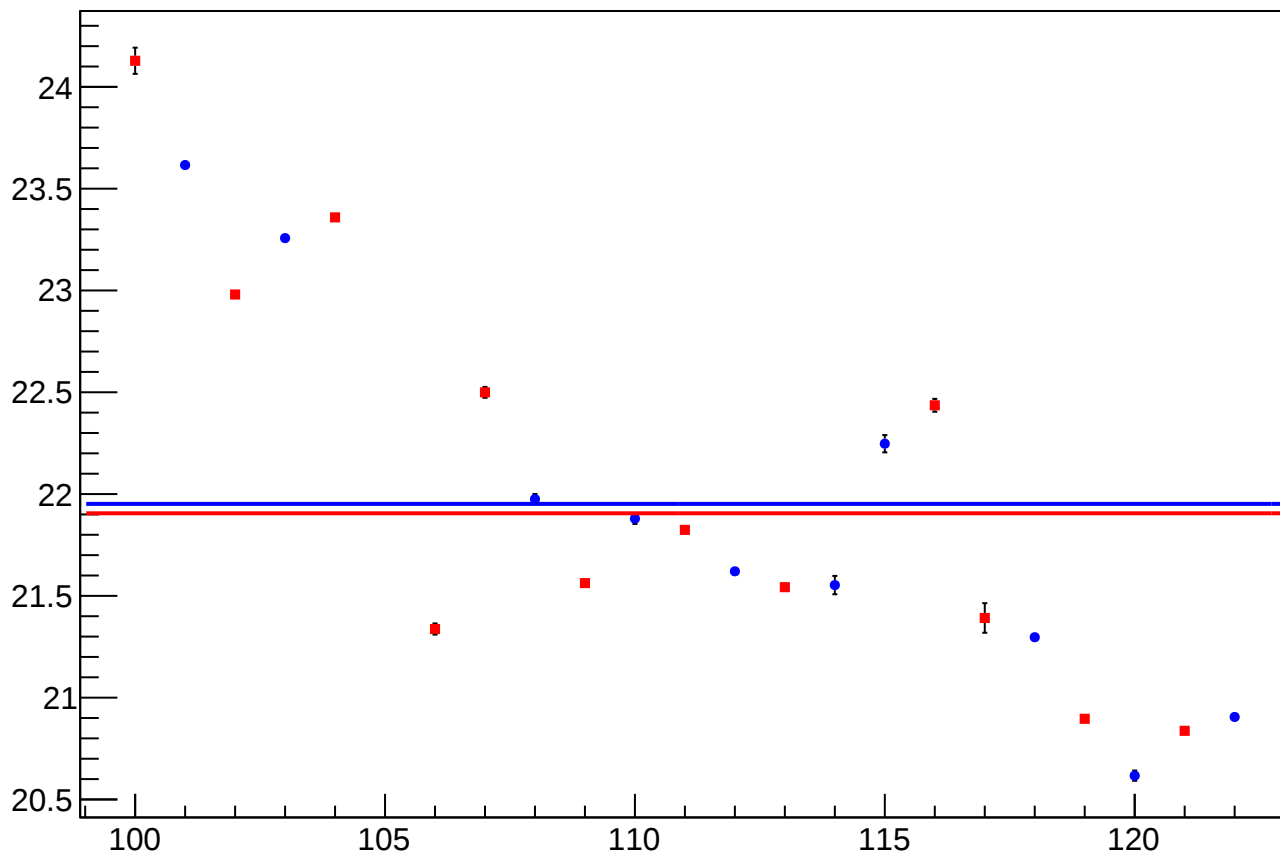
Right Out: 13.980+/-10.491  $\chi^2/\text{NDF}$ : 11.5/11

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

-4.011+/-11.190  $\chi^2/\text{NDF}$ : 10.4/9

13.980+/-10.491  $\chi^2/\text{NDF}$ : 11.5/11

asym\_bcm\_an\_us\_ds3\_avg\_bcm\_dg\_us\_agg\_dd\_rms vs Slug



Right In: 21.952+/-0.008  $\chi^2/\text{NDF}$ : 15522.9/9

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

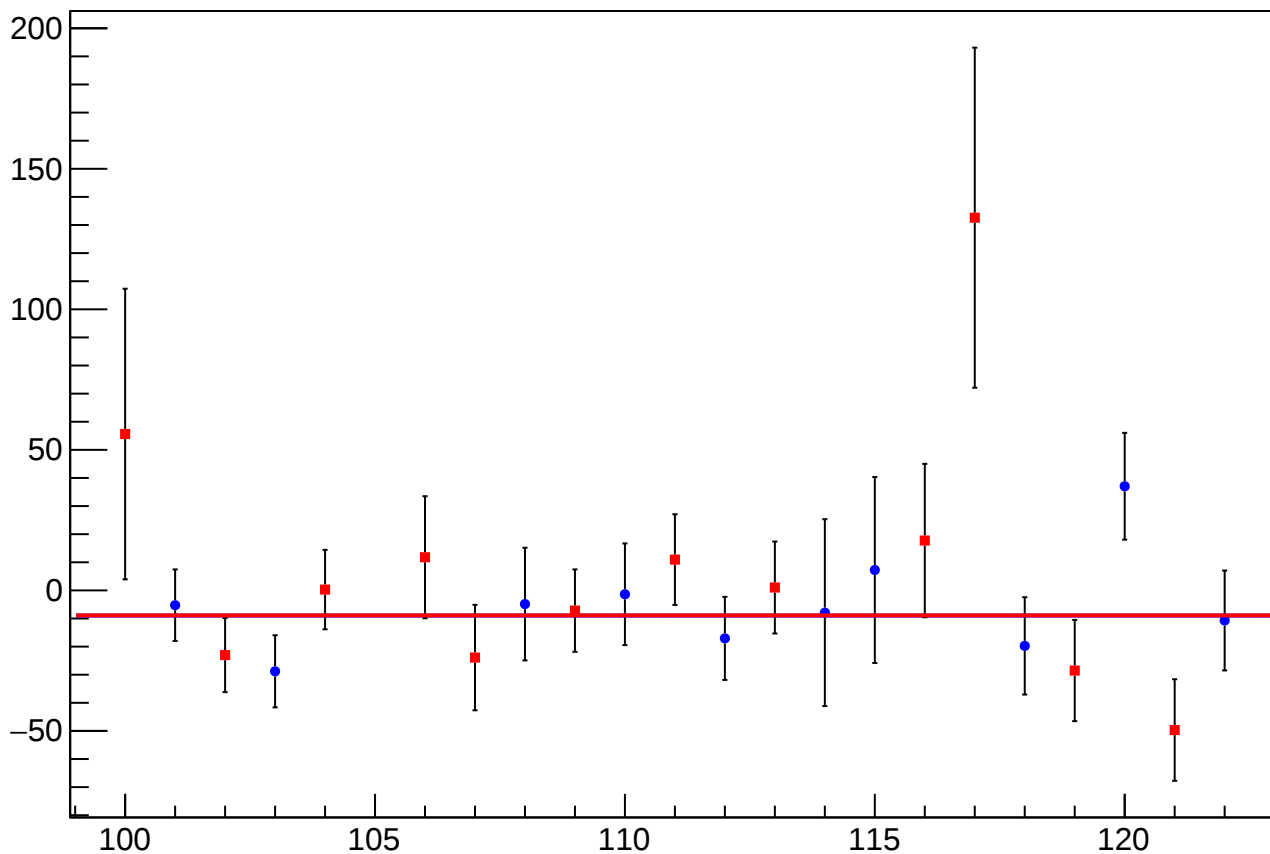
Right Out: 21.906+/-0.007  $\chi^2/\text{NDF}$ : 13616.1/11

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

21.952+/-0.008  $\chi^2/\text{NDF}$ : 15522.9/9

21.906+/-0.007  $\chi^2/\text{NDF}$ : 13616.1/11

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



Right In: -8.954+/-5.466  $\chi^2/\text{NDF}$ : 9.5/9

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

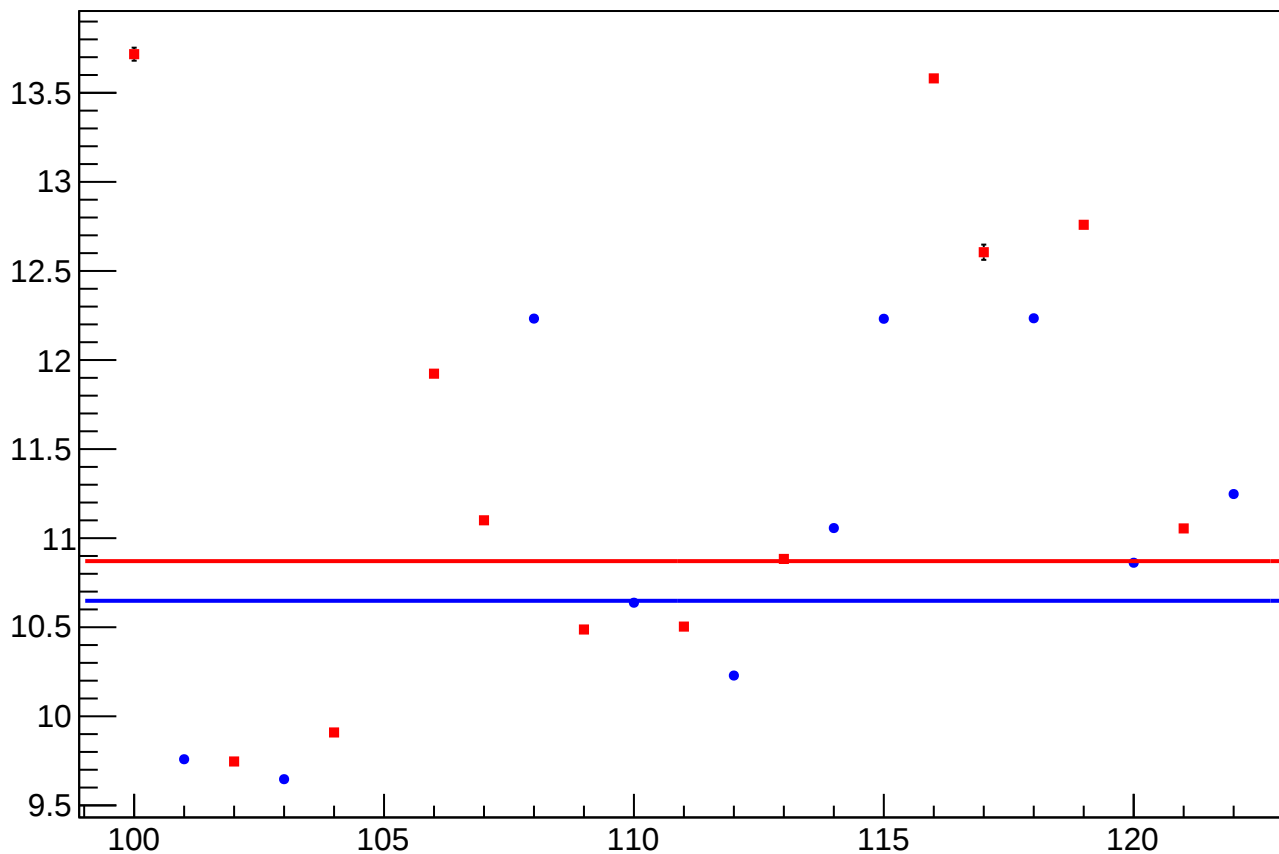
Right Out: -8.893+/-5.263  $\chi^2/\text{NDF}$ : 19.3/11

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

-8.954+/-5.466  $\chi^2/\text{NDF}$ : 9.5/9

-8.893+/-5.263  $\chi^2/\text{NDF}$ : 19.3/11

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



Right In: 10.648+/-0.004  $\chi^2/\text{NDF}$ : 60263.9/9

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

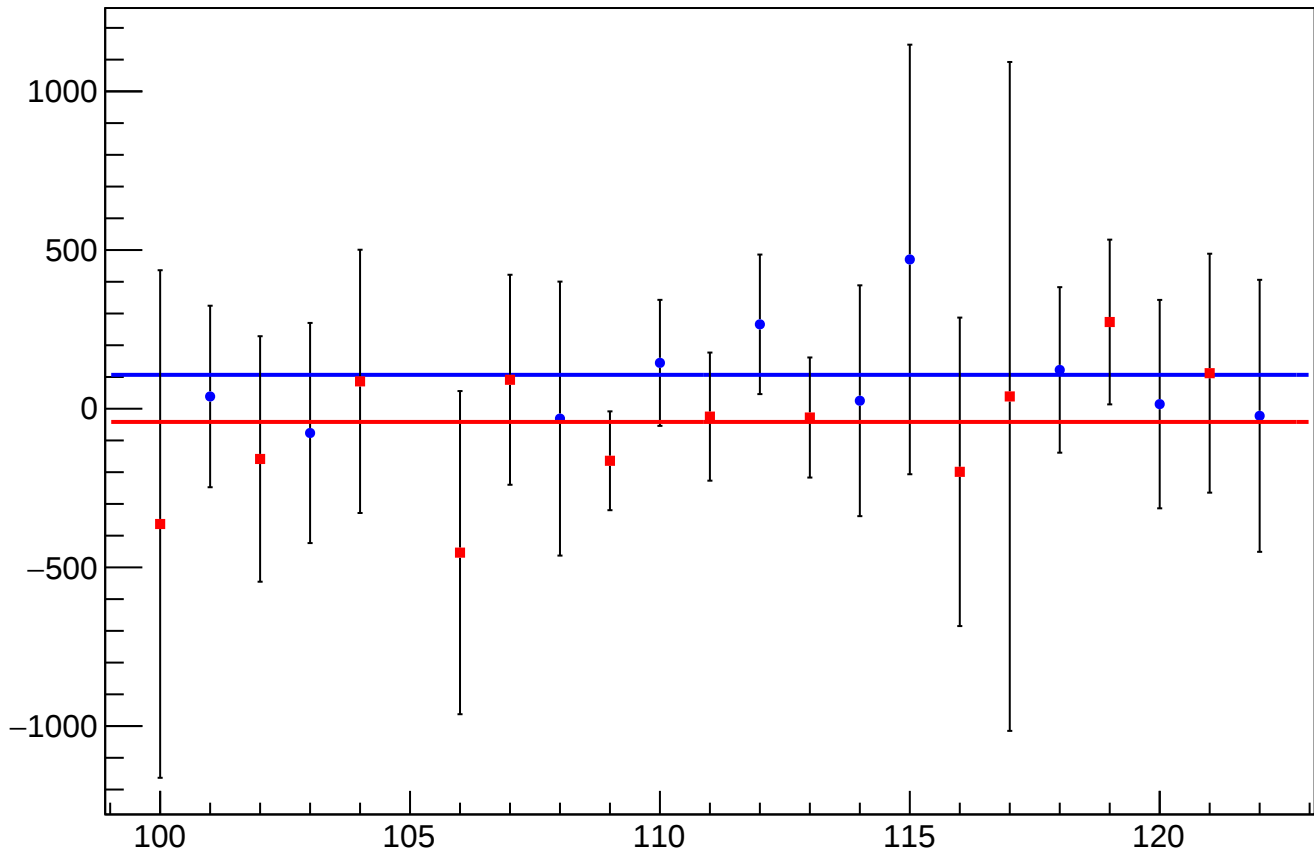
Right Out: 10.871+/-0.004  $\chi^2/\text{NDF}$ : 80873.5/11

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

10.648+/-0.004  $\chi^2/\text{NDF}$ : 60263.9/9

10.871+/-0.004  $\chi^2/\text{NDF}$ : 80873.5/11

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



Right In: 106.723+/-94.864  $\chi^2/\text{NDF}$ : 1.5/9

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

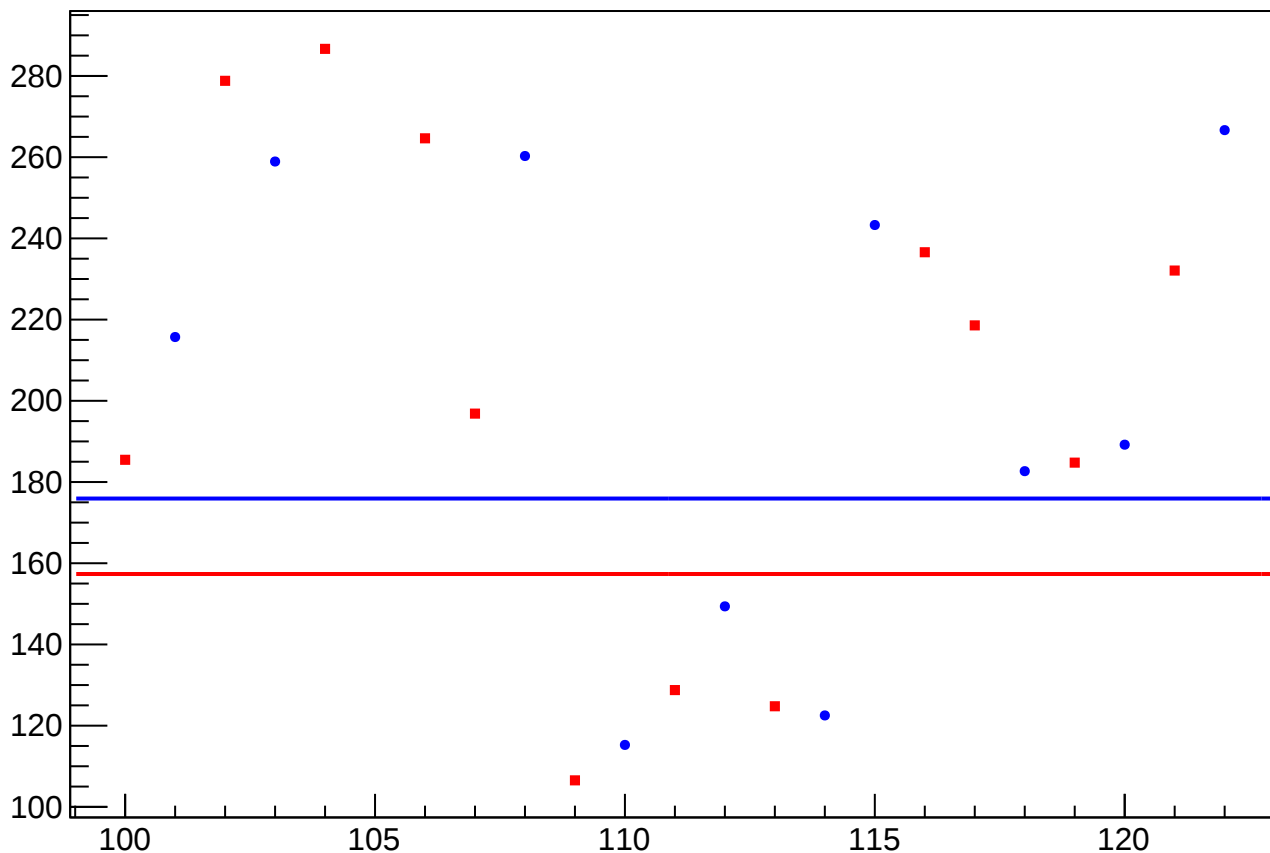
Right Out: -41.643+/-82.254  $\chi^2/\text{NDF}$ : 3.5/11

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

106.723+/-94.864  $\chi^2/\text{NDF}$ : 1.5/9

-41.643+/-82.254  $\chi^2/\text{NDF}$ : 3.5/11

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



Right In: 175.935+/-0.067  $\chi^2/\text{NDF}$ : 602688.1/9

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

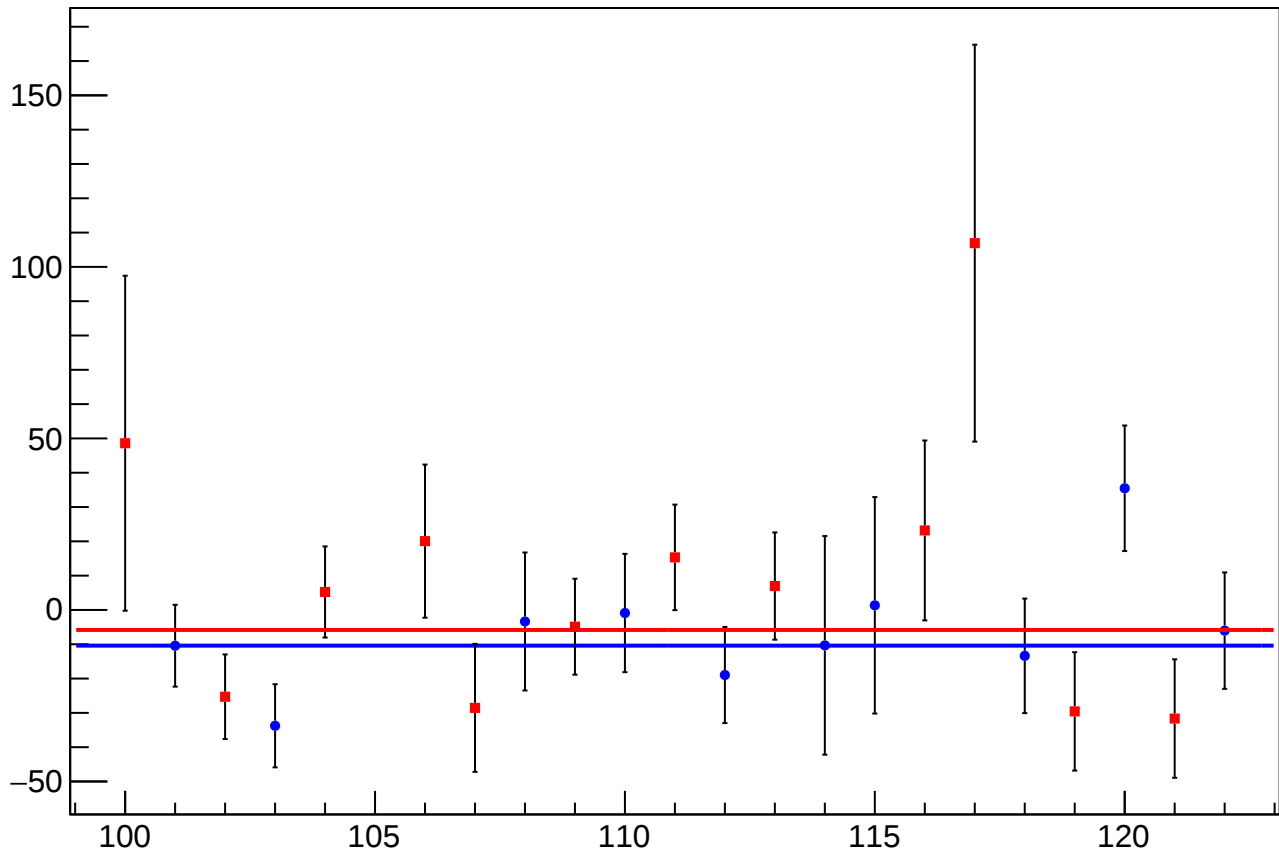
175.935+/-0.067  $\chi^2/\text{NDF}$ : 602688.1/9

Right Out: 157.349+/-0.058  $\chi^2/\text{NDF}$ : 984857.9/11

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

157.349+/-0.058  $\chi^2/\text{NDF}$ : 984857.9/11

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



Right In: -10.403+/-5.213  $\chi^2/\text{NDF}$ : 11.0/9

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

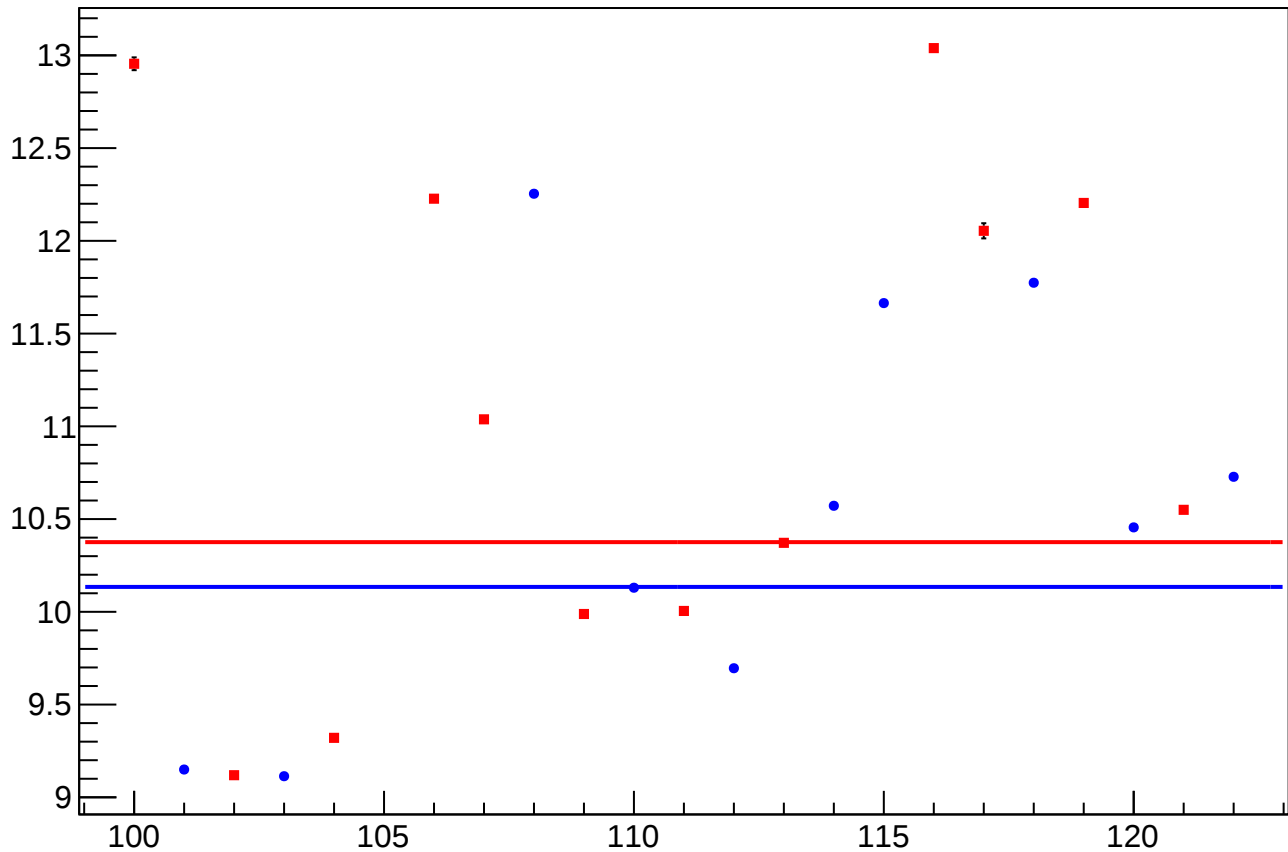
Right Out: -5.823+/-5.035  $\chi^2/\text{NDF}$ : 19.0/11

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

-10.403+/-5.213  $\chi^2/\text{NDF}$ : 11.0/9

-5.823+/-5.035  $\chi^2/\text{NDF}$ : 19.0/11

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



Right In: 10.134+/-0.004  $\chi^2/\text{NDF}$ : 79431.8/9

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

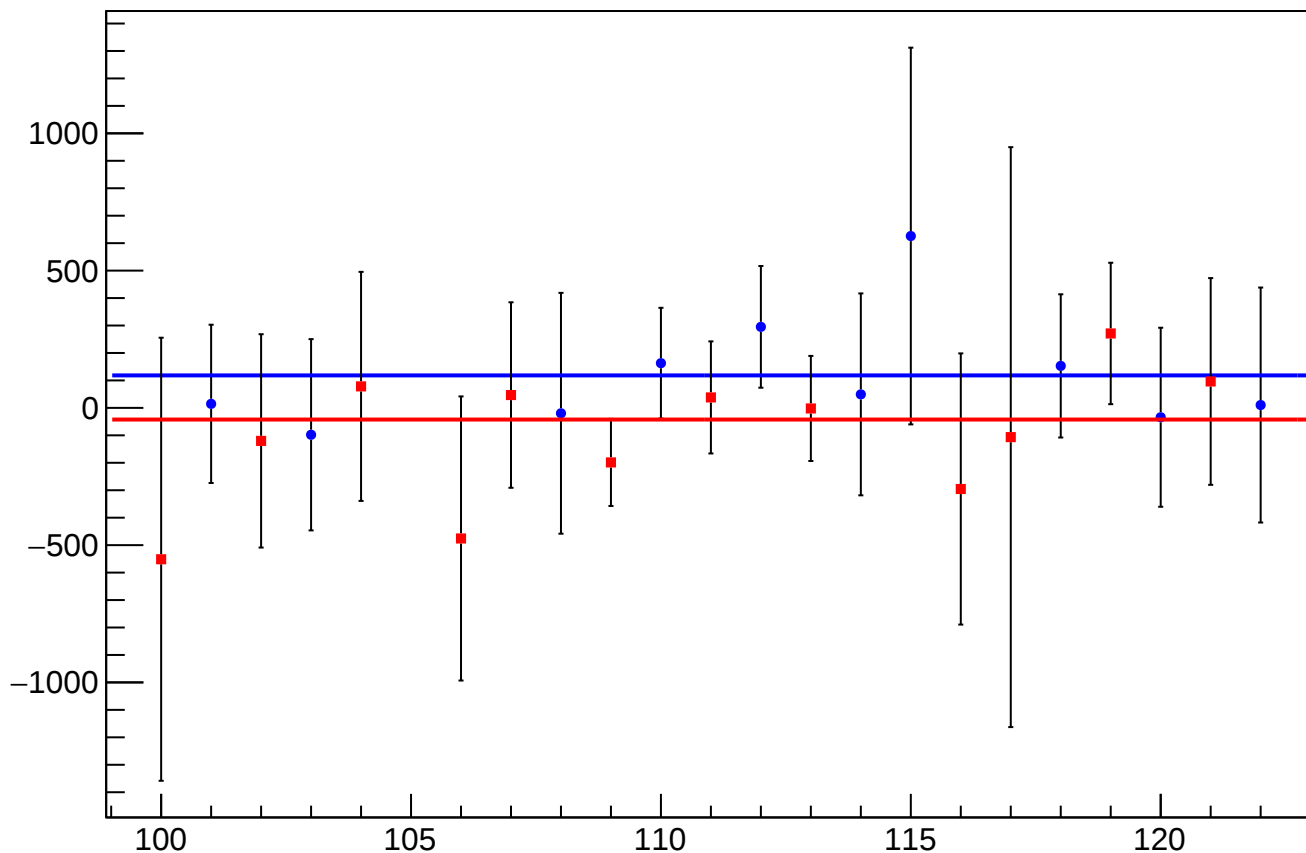
Right Out: 10.376+/-0.004  $\chi^2/\text{NDF}$ : 102933.6/11

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

10.134+/-0.004  $\chi^2/\text{NDF}$ : 79431.8/9

10.376+/-0.004  $\chi^2/\text{NDF}$ : 102933.6/11

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



Right In: 118.312 $\pm$ 95.560  $\chi^2$ /NDF: 2.2/9

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

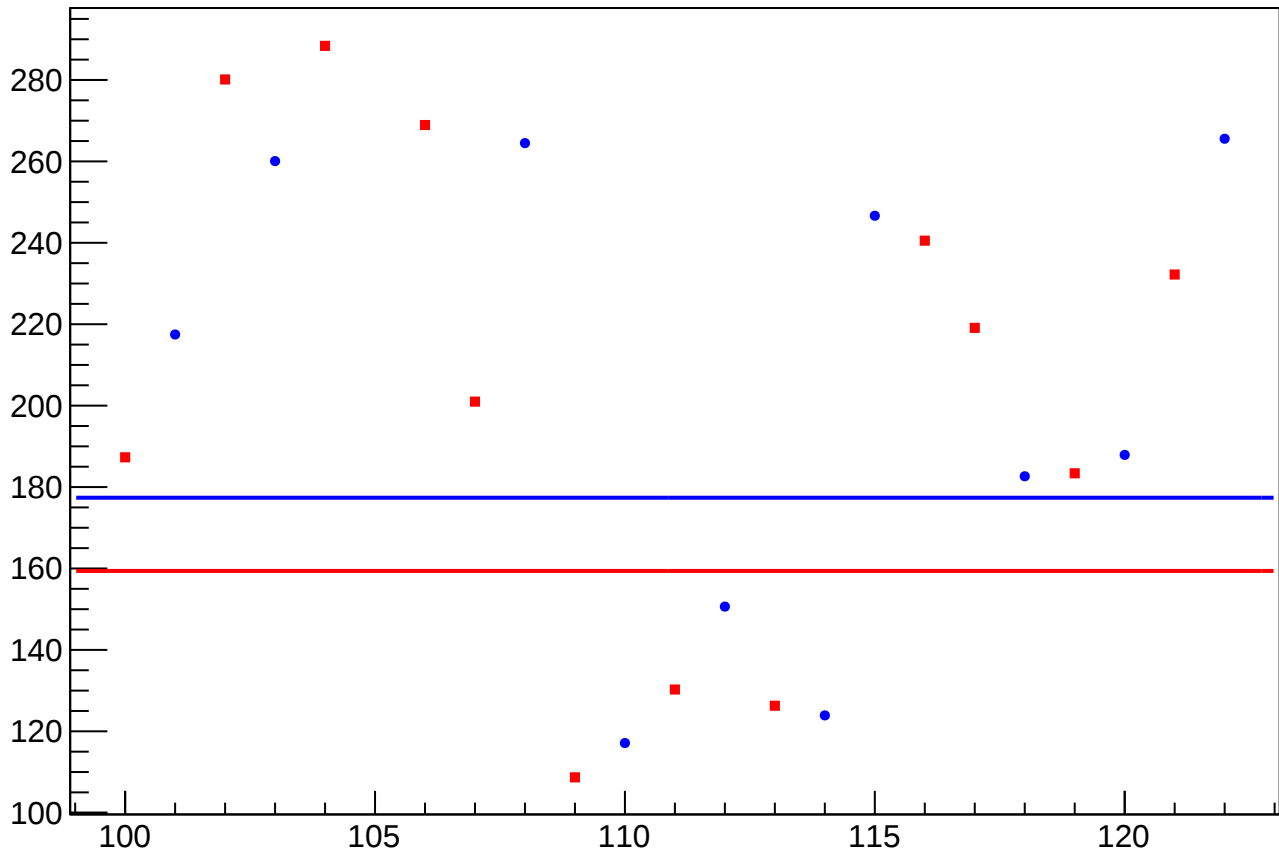
Right Out: -42.502 $\pm$ 83.171  $\chi^2$ /NDF: 4.3/11

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

118.312 $\pm$ 95.560  $\chi^2$ /NDF: 2.2/9

-42.502 $\pm$ 83.171  $\chi^2$ /NDF: 4.3/11

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



Right In: 177.384+/-0.068  $\chi^2/\text{NDF}$ : 588512.1/9

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

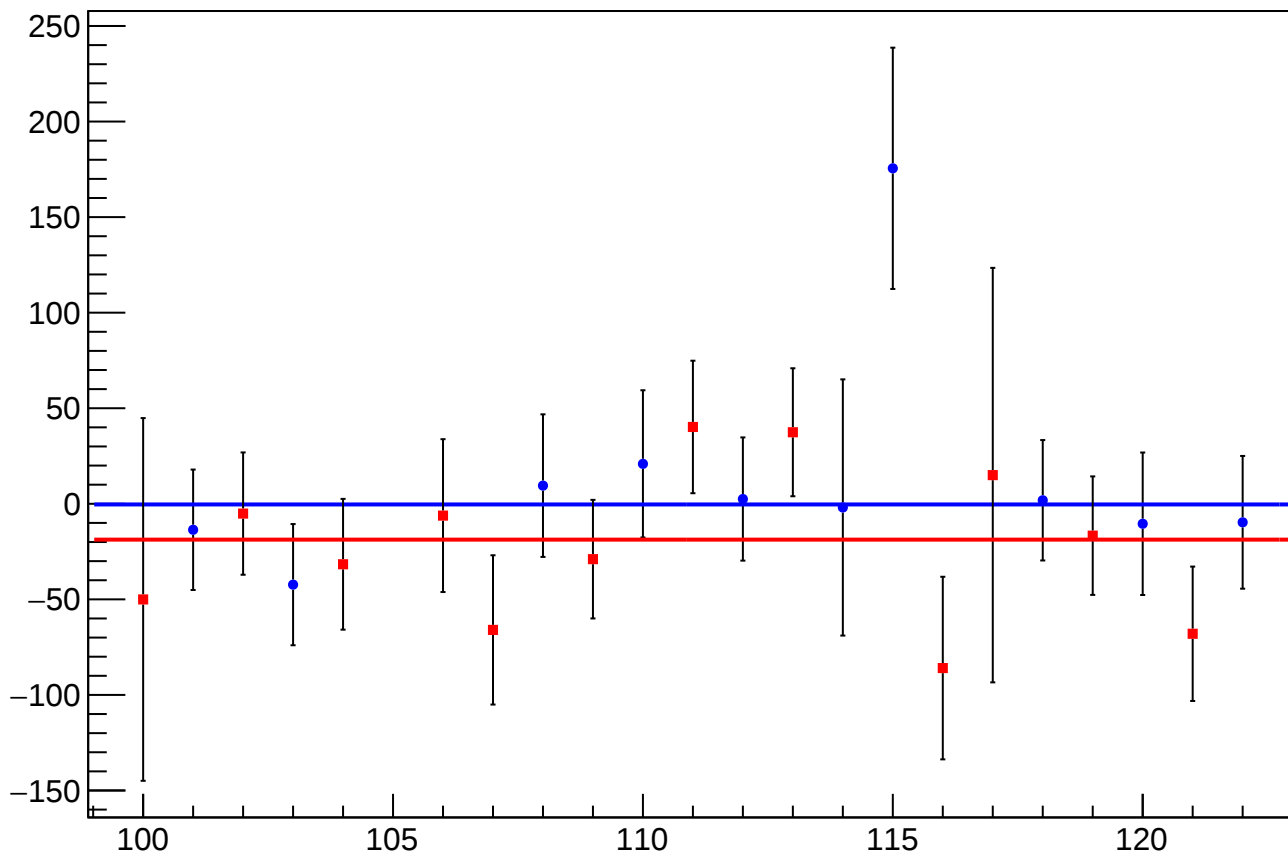
177.384+/-0.068  $\chi^2/\text{NDF}$ : 588512.1/9

Right Out: 159.399+/-0.059  $\chi^2/\text{NDF}$ : 964047.8/11

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

159.399+/-0.059  $\chi^2/\text{NDF}$ : 964047.8/11

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



Right In:  $-0.342 \pm 11.635$   $\chi^2/\text{NDF}$ : 10.2/9

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

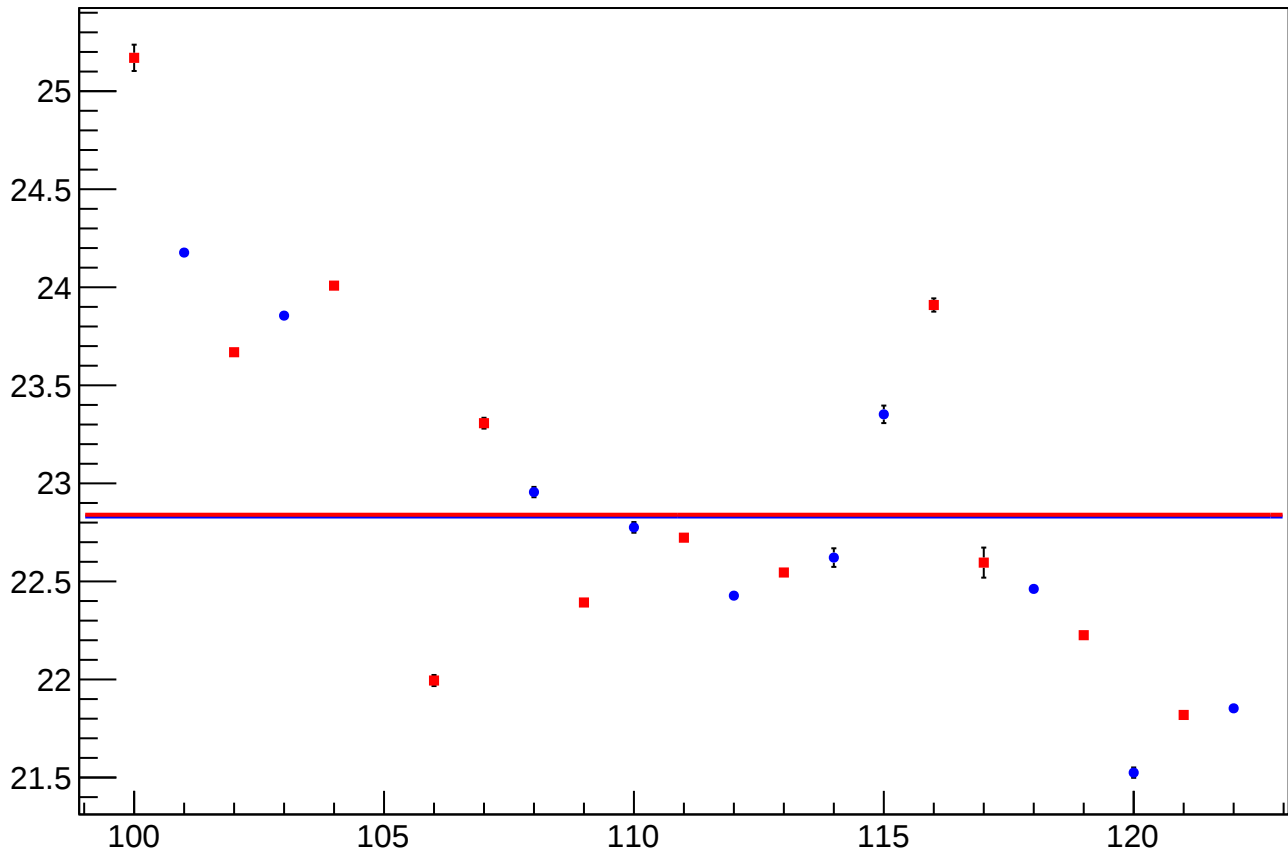
Right Out:  $-18.749 \pm 10.938$   $\chi^2/\text{NDF}$ : 11.9/11

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

$-0.342 \pm 11.635$   $\chi^2/\text{NDF}$ : 10.2/9

$-18.749 \pm 10.938$   $\chi^2/\text{NDF}$ : 11.9/11

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



Right In: 22.831+/-0.008  $\chi^2/\text{NDF}$ : 10550.5/9

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

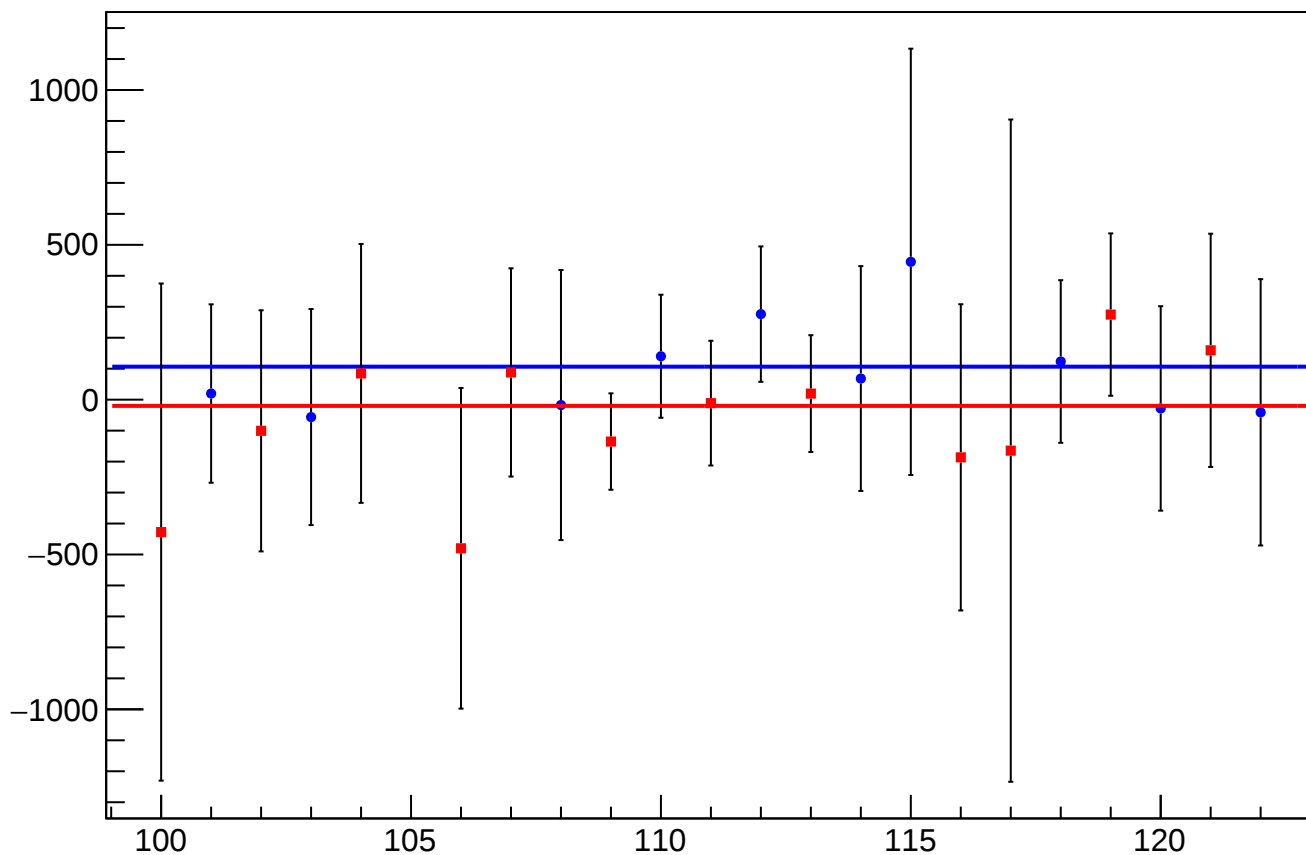
22.831+/-0.008  $\chi^2/\text{NDF}$ : 10550.5/9

Right Out: 22.840+/-0.008  $\chi^2/\text{NDF}$ : 10137.9/11

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

22.840+/-0.008  $\chi^2/\text{NDF}$ : 10137.9/11

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



Right In: 106.574+/-95.099  $\chi^2/\text{NDF}$ : 1.6/9

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

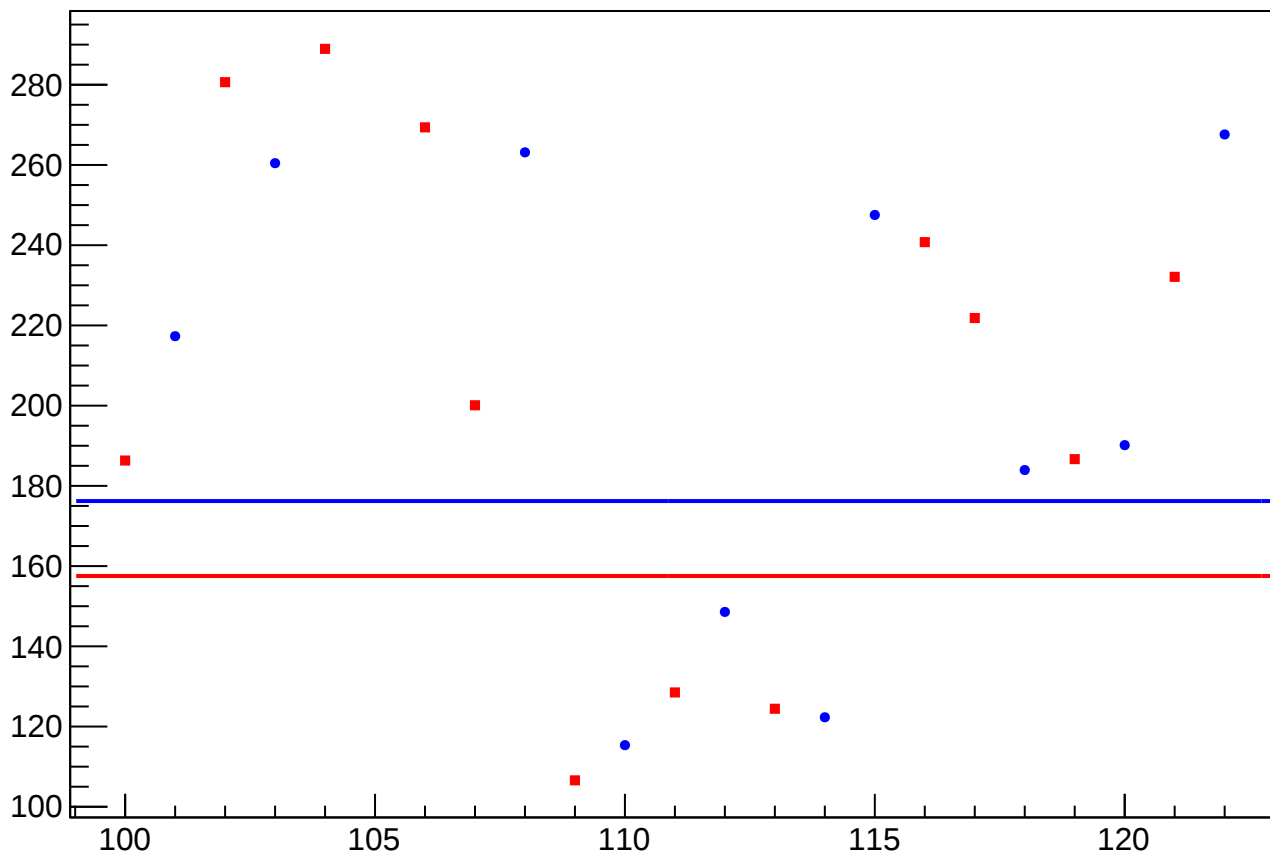
Right Out: -20.044+/-82.463  $\chi^2/\text{NDF}$ : 3.5/11

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

106.574+/-95.099  $\chi^2/\text{NDF}$ : 1.6/9

-20.044+/-82.463  $\chi^2/\text{NDF}$ : 3.5/11

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



Right In: 176.218+/-0.067  $\chi^2/\text{NDF}$ : 617590.2/9

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

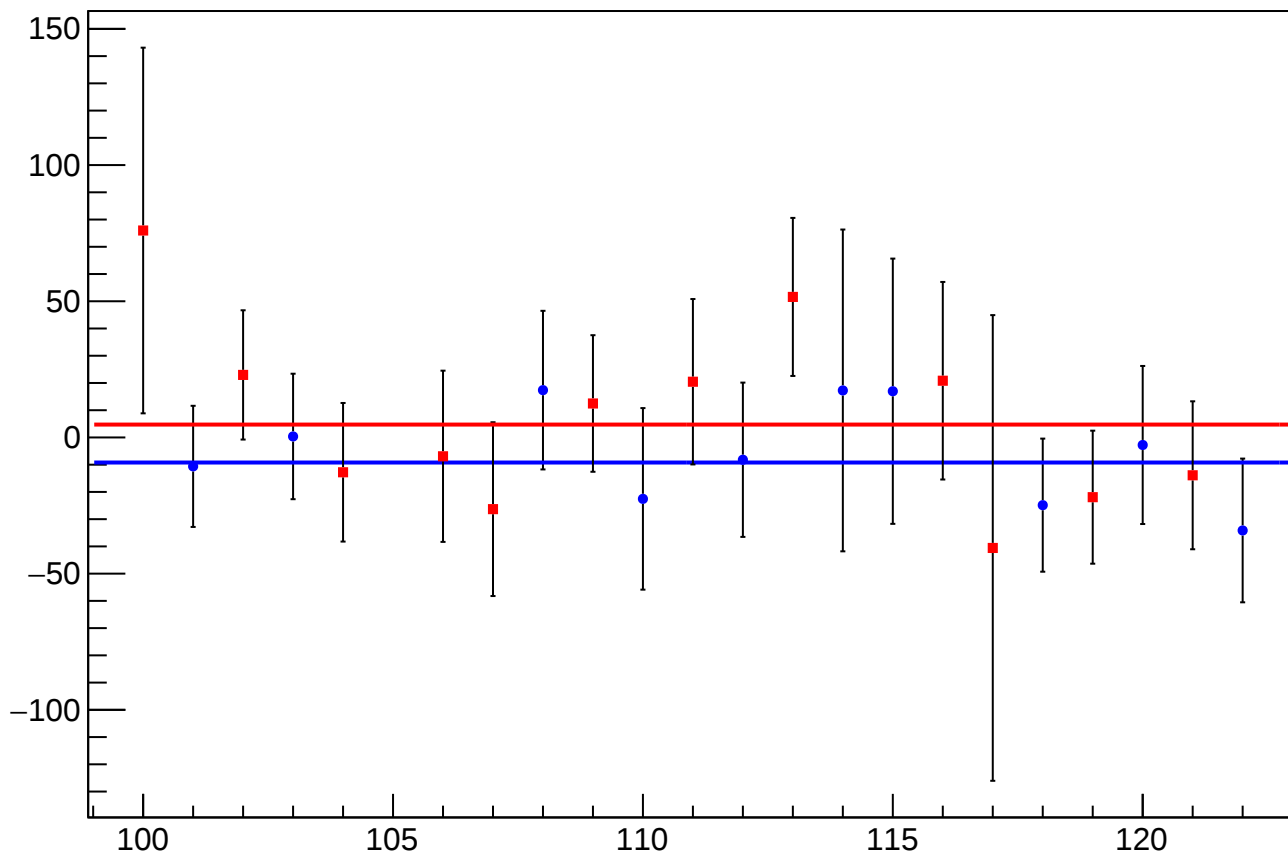
176.218+/-0.067  $\chi^2/\text{NDF}$ : 617590.2/9

Right Out: 157.535+/-0.058  $\chi^2/\text{NDF}$ : 1010012.1/11

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

157.535+/-0.058  $\chi^2/\text{NDF}$ : 1010012.1/11

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



Right In: -9.204+/-9.038  $\chi^2/\text{NDF}$ : 3.0/9

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

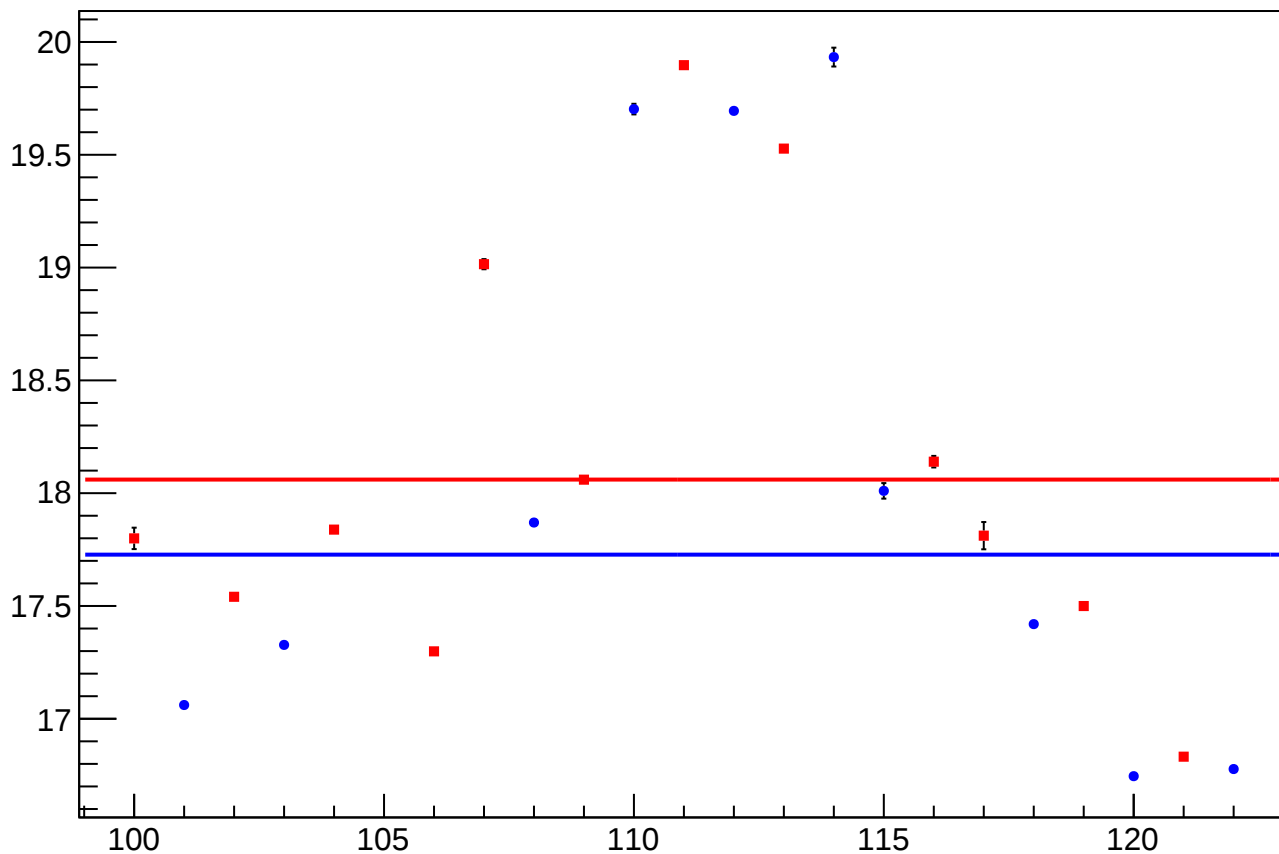
Right Out: 4.727+/-8.661  $\chi^2/\text{NDF}$ : 8.4/11

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

-9.204+/-9.038  $\chi^2/\text{NDF}$ : 3.0/9

4.727+/-8.661  $\chi^2/\text{NDF}$ : 8.4/11

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



Right In: 17.728+/-0.006  $\chi^2$ /NDF: 27178.8/9

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

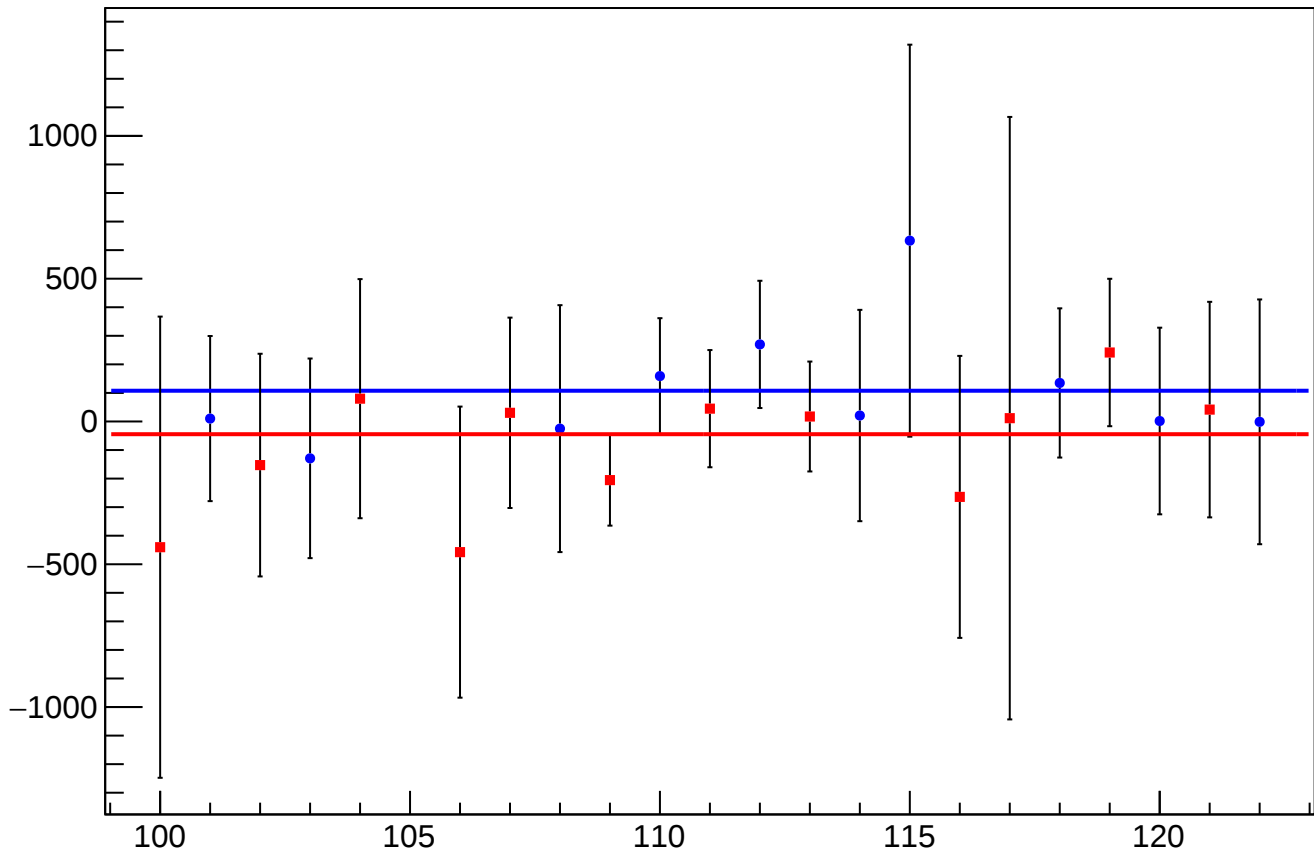
Right Out: 18.060+/-0.006  $\chi^2$ /NDF: 21712.3/11

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

17.728+/-0.006  $\chi^2$ /NDF: 27178.8/9

18.060+/-0.006  $\chi^2$ /NDF: 21712.3/11

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



Right In: 107.640 $\pm$ 95.840  $\chi^2$ /NDF: 2.1/9

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

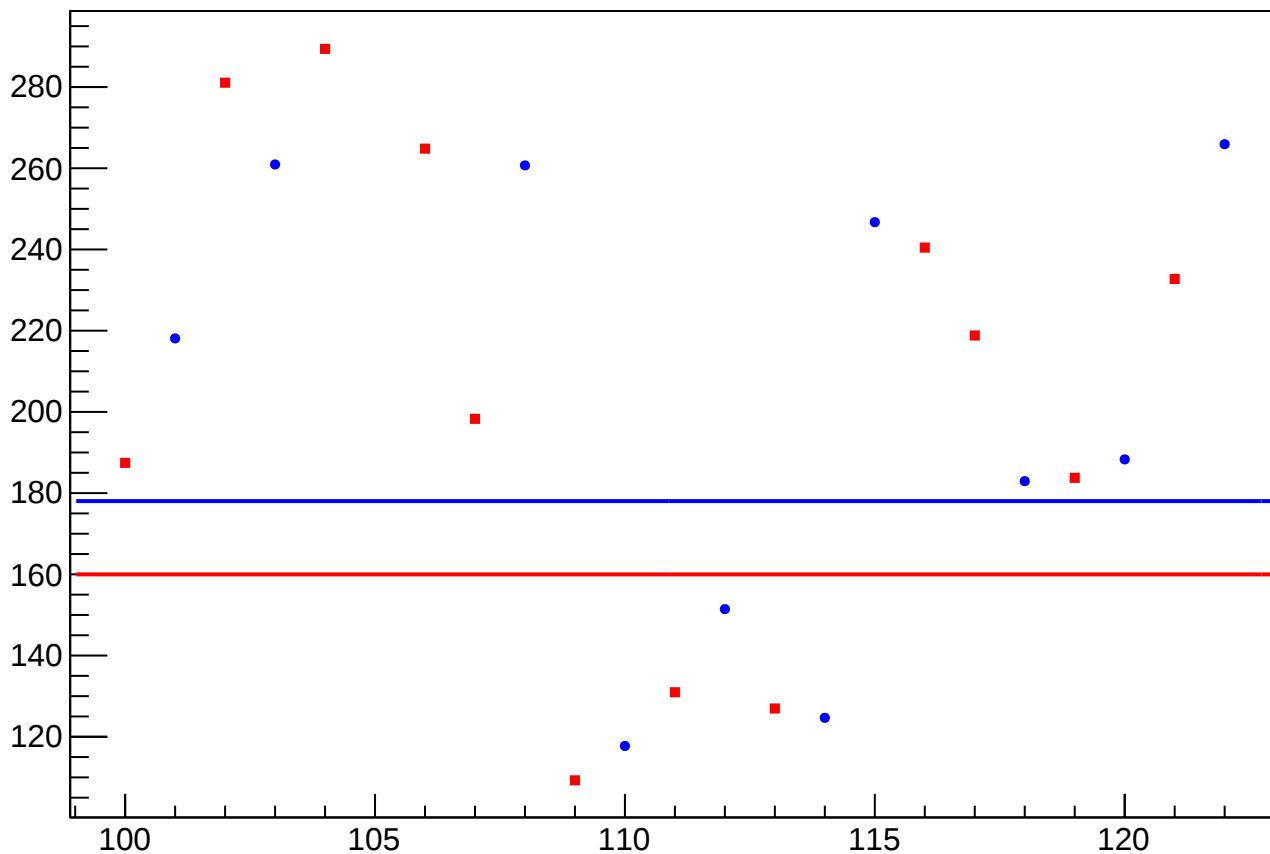
Right Out: -44.570 $\pm$ 83.395  $\chi^2$ /NDF: 3.9/11

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

107.640 $\pm$ 95.840  $\chi^2$ /NDF: 2.1/9

-44.570 $\pm$ 83.395  $\chi^2$ /NDF: 3.9/11

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



Right In: 178.037+/-0.068  $\chi^2/\text{NDF}$ : 577982.8/9

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

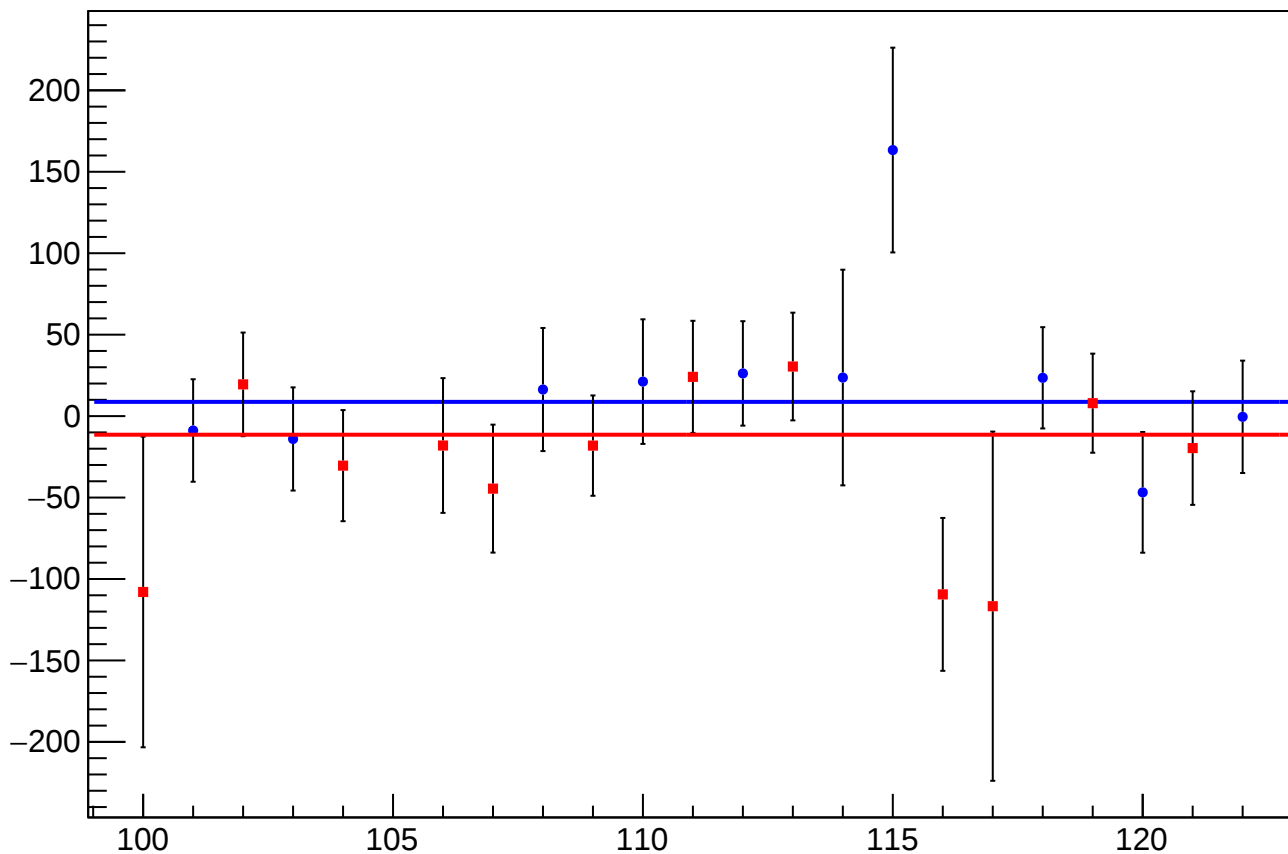
178.037+/-0.068  $\chi^2/\text{NDF}$ : 577982.8/9

Right Out: 159.990+/-0.059  $\chi^2/\text{NDF}$ : 949289.8/11

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

159.990+/-0.059  $\chi^2/\text{NDF}$ : 949289.8/11

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



Right In: 8.744+/-11.587  $\chi^2/\text{NDF}$ : 9.9/9

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

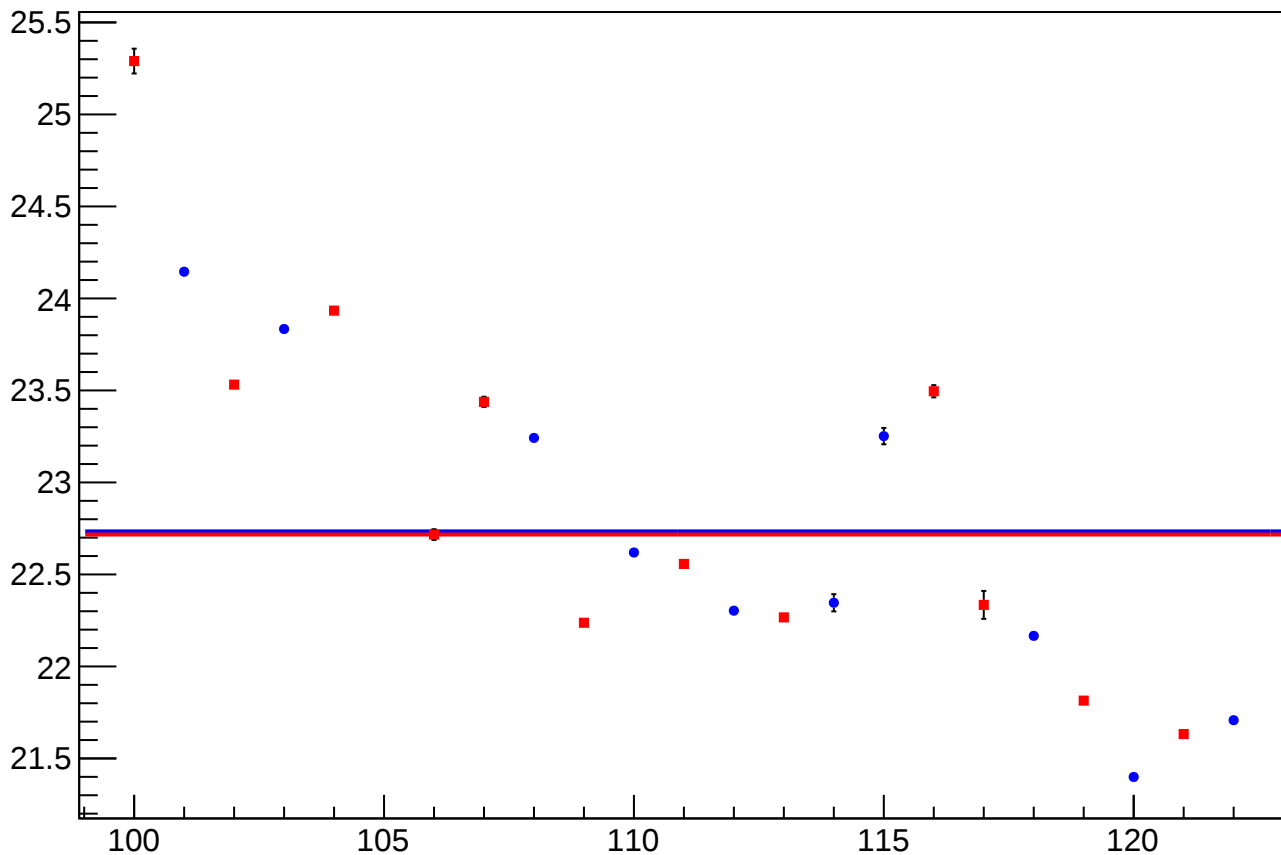
Right Out: -11.418+/-10.879  $\chi^2/\text{NDF}$ : 11.5/11

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

8.744+/-11.587  $\chi^2/\text{NDF}$ : 9.9/9

-11.418+/-10.879  $\chi^2/\text{NDF}$ : 11.5/11

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



Right In: 22.734+/-0.008  $\chi^2/\text{NDF}$ : 12412.3/9

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

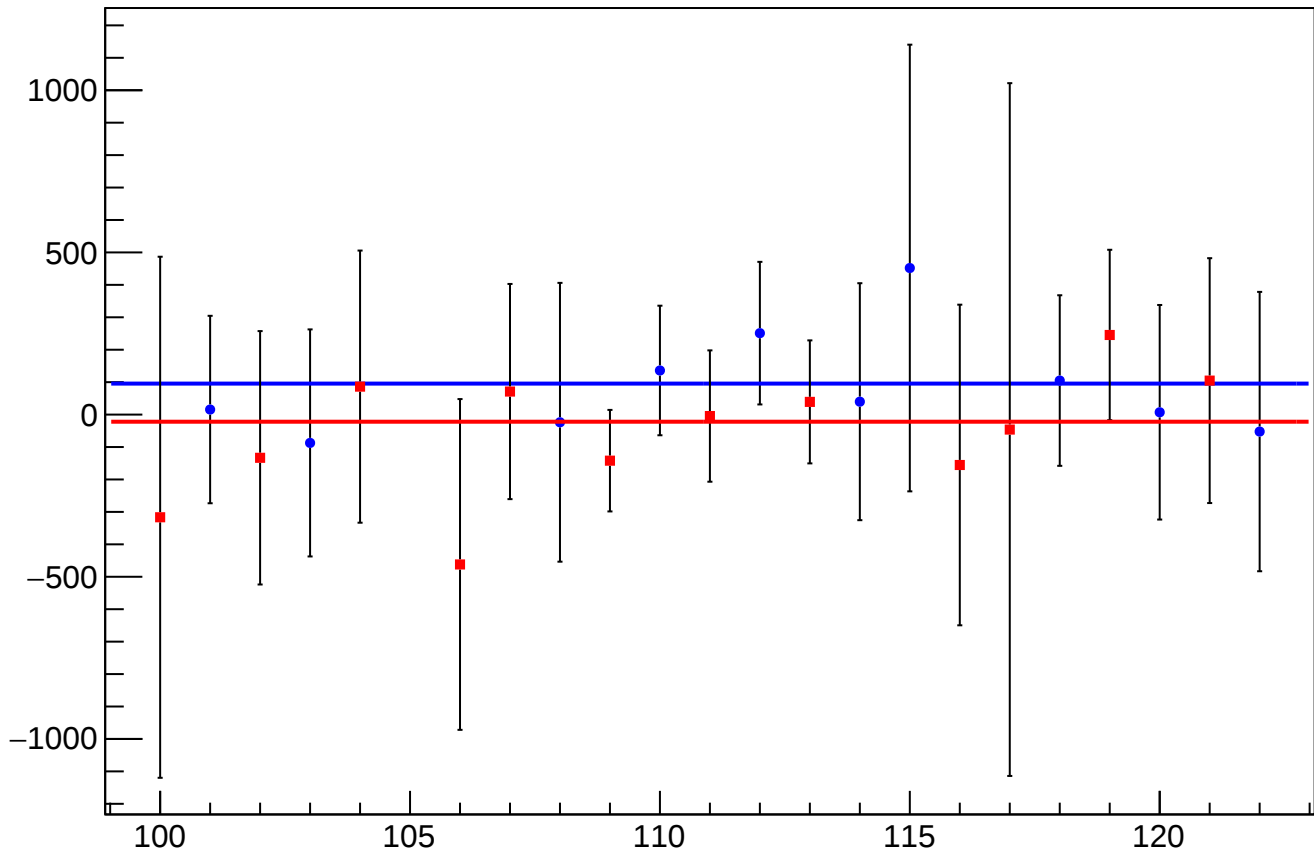
22.734+/-0.008  $\chi^2/\text{NDF}$ : 12412.3/9

Right Out: 22.717+/-0.008  $\chi^2/\text{NDF}$ : 11159.1/11

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

22.717+/-0.008  $\chi^2/\text{NDF}$ : 11159.1/11

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



Right In: 95.573+/-95.383  $\chi^2/\text{NDF}$ : 1.5/9

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

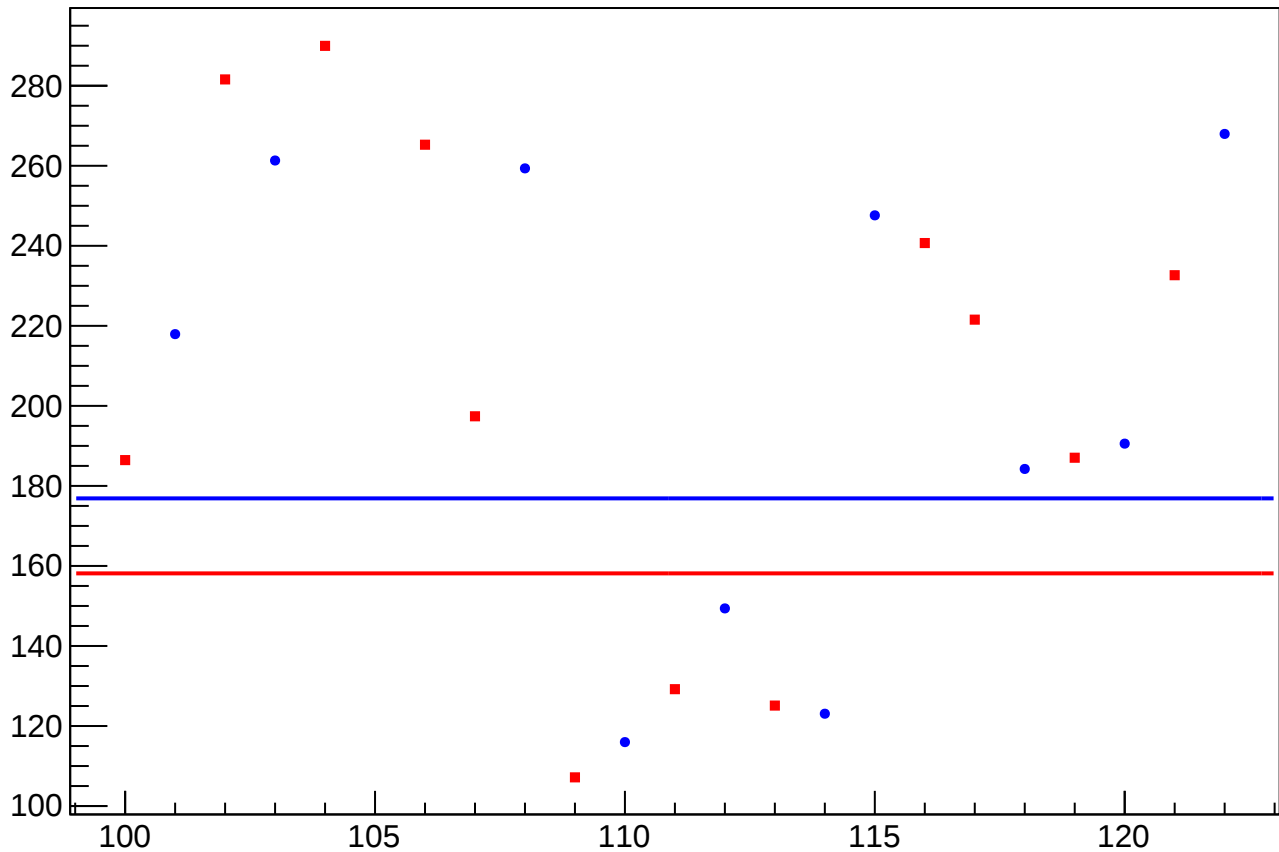
Right Out: -21.942+/-82.694  $\chi^2/\text{NDF}$ : 3.0/11

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

95.573+/-95.383  $\chi^2/\text{NDF}$ : 1.5/9

-21.942+/-82.694  $\chi^2/\text{NDF}$ : 3.0/11

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



Right In: 176.884+/-0.067  $\chi^2/\text{NDF}$ : 606585.1/9

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

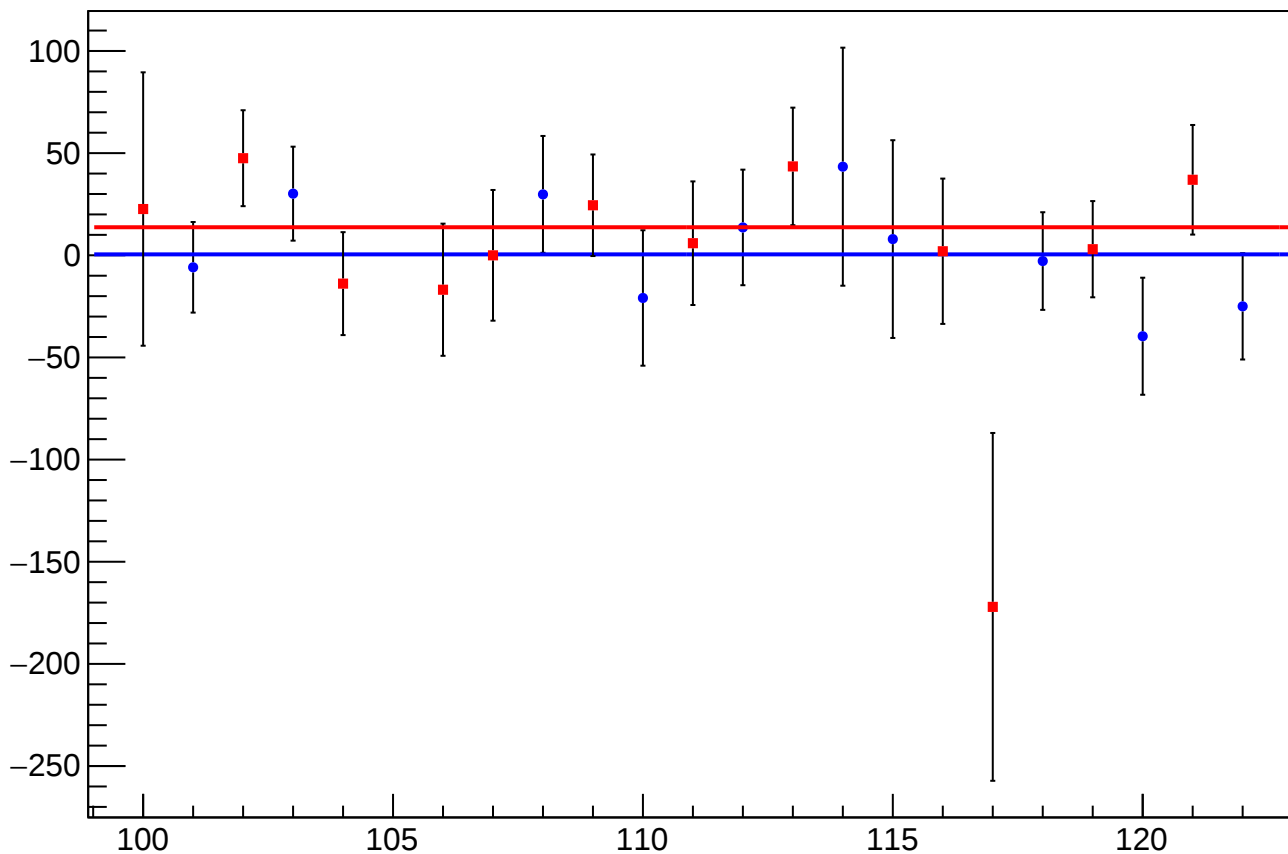
Right Out: 158.142+/-0.058  $\chi^2/\text{NDF}$ : 994662.4/11

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

176.884+/-0.067  $\chi^2/\text{NDF}$ : 606585.1/9

158.142+/-0.058  $\chi^2/\text{NDF}$ : 994662.4/11

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



Right In: 0.448+/-8.953  $\chi^2/\text{NDF}$ : 6.9/9

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

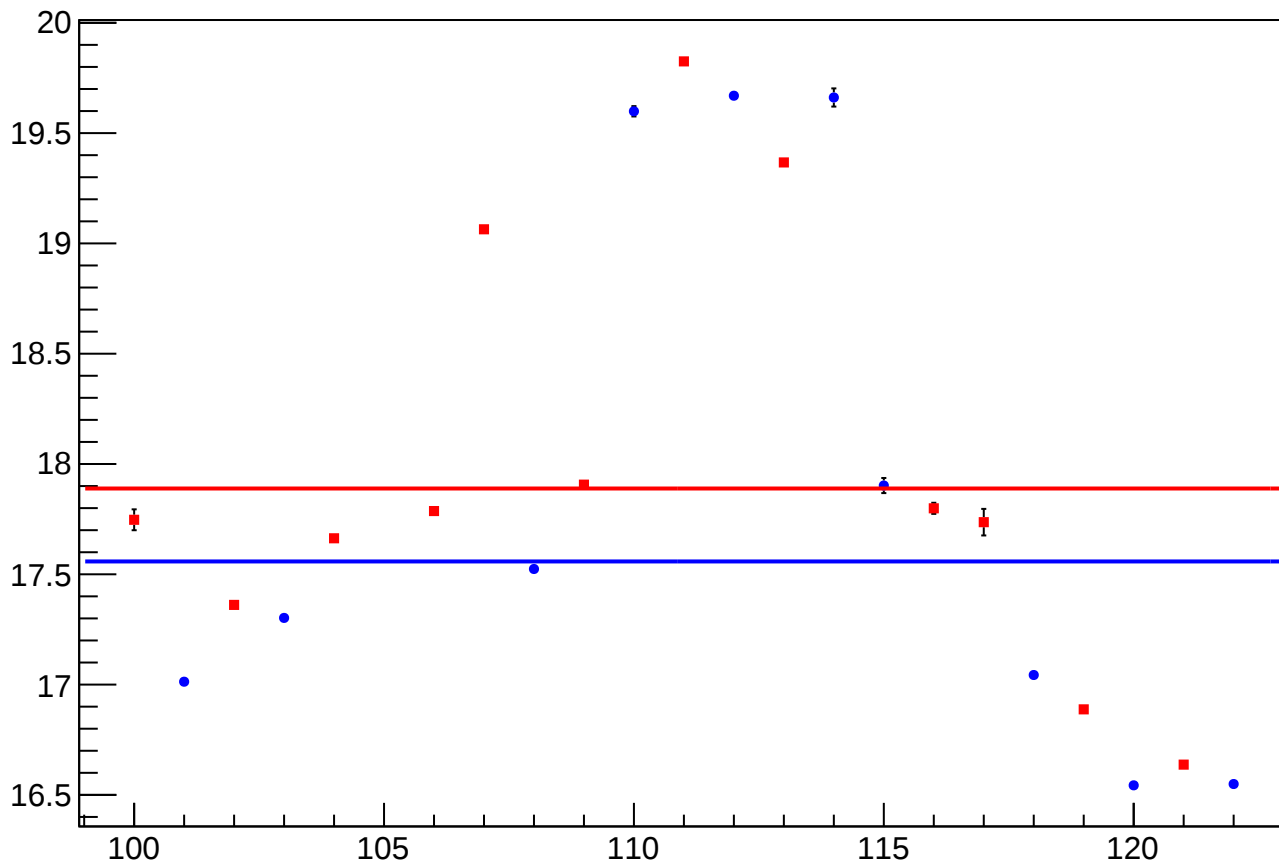
Right Out: 13.724+/-8.579  $\chi^2/\text{NDF}$ : 11.5/11

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

0.448+/-8.953  $\chi^2/\text{NDF}$ : 6.9/9

13.724+/-8.579  $\chi^2/\text{NDF}$ : 11.5/11

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



Right In: 17.558+/-0.006  $\chi^2/\text{NDF}$ : 29337.6/9

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

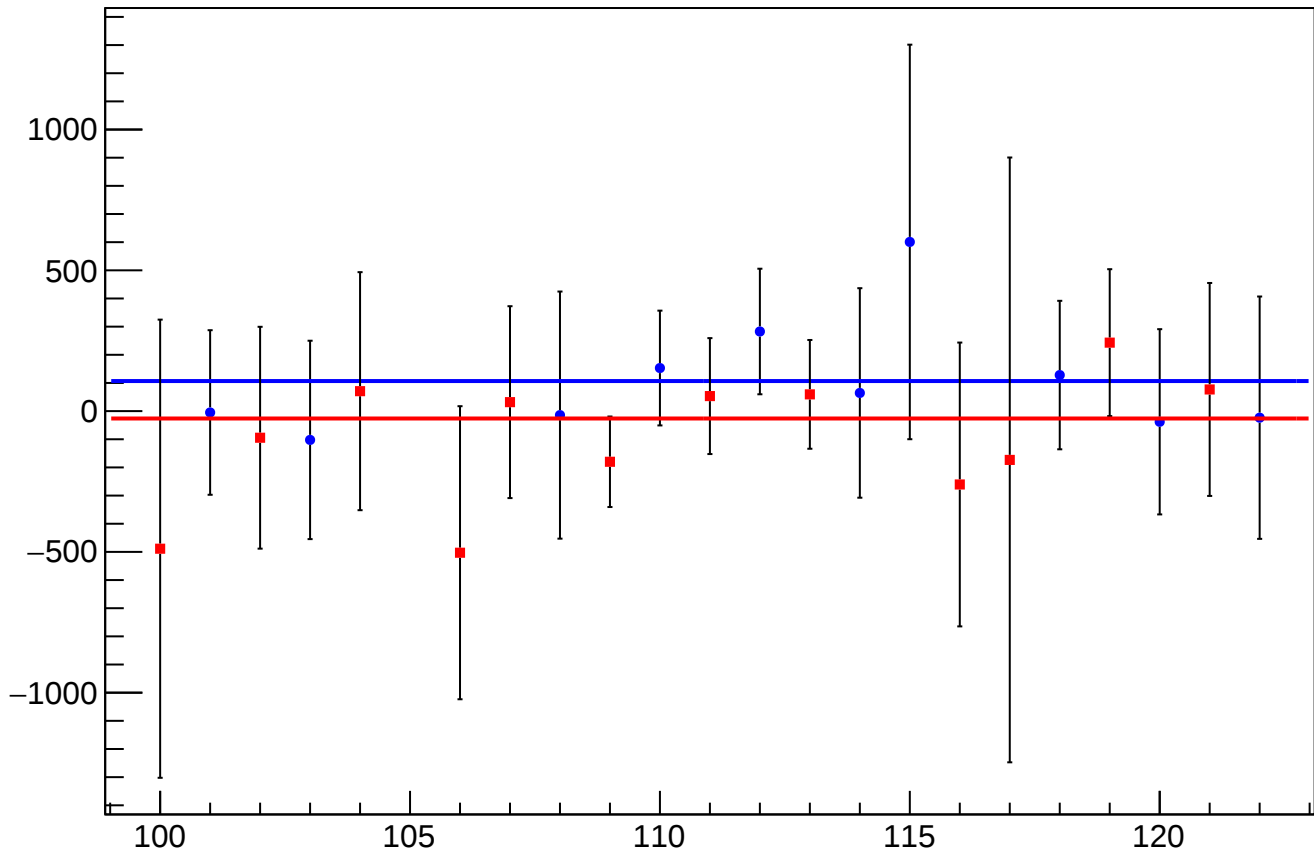
Right Out: 17.889+/-0.006  $\chi^2/\text{NDF}$ : 25363.3/11

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

17.558+/-0.006  $\chi^2/\text{NDF}$ : 29337.6/9

17.889+/-0.006  $\chi^2/\text{NDF}$ : 25363.3/11

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



Right In: 106.761 $\pm$ 96.481  $\chi^2$ /NDF: 2.1/9

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

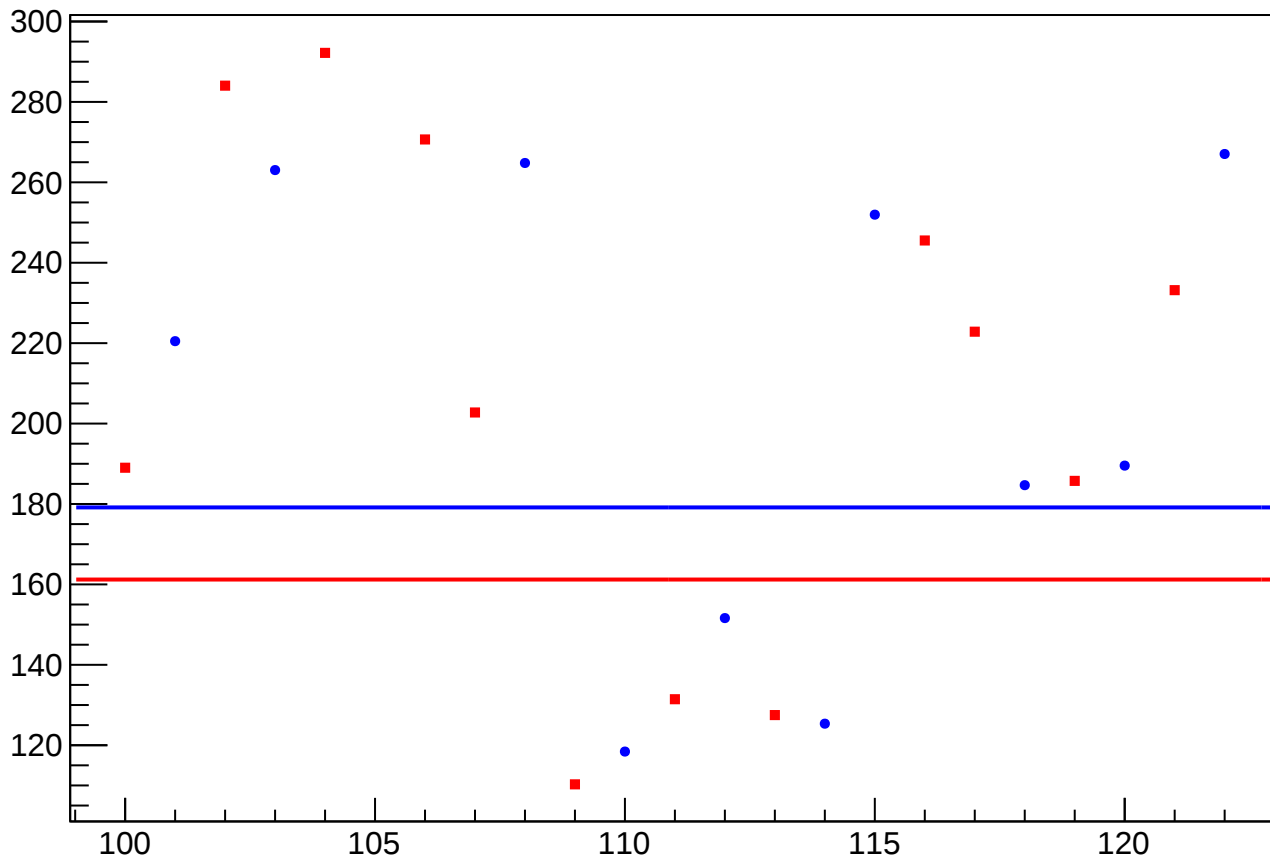
Right Out: -26.237 $\pm$ 84.077  $\chi^2$ /NDF: 3.9/11

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

106.761 $\pm$ 96.481  $\chi^2$ /NDF: 2.1/9

-26.237 $\pm$ 84.077  $\chi^2$ /NDF: 3.9/11

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



Right In: 179.147+/-0.068  $\chi^2/\text{NDF}$ : 587370.7/9

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

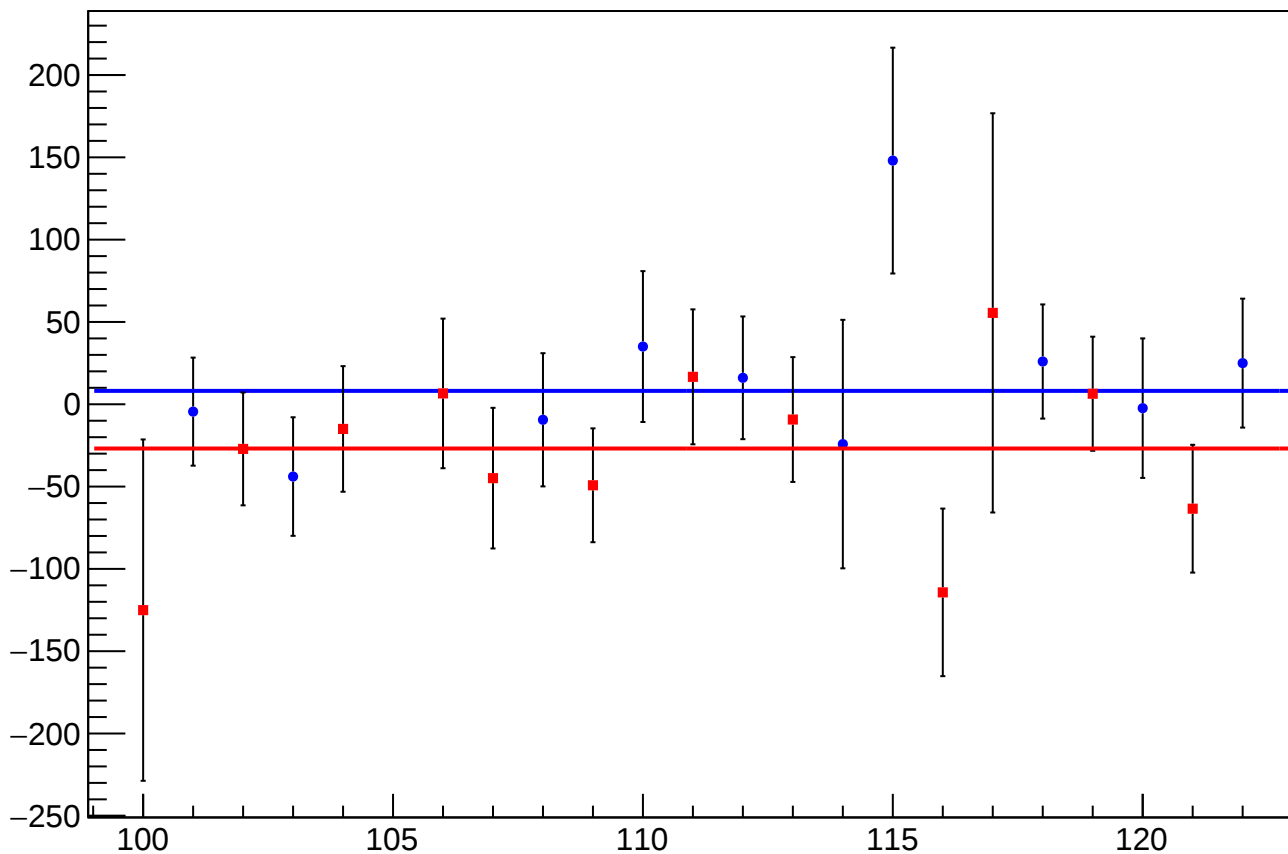
179.147+/-0.068  $\chi^2/\text{NDF}$ : 587370.7/9

Right Out: 161.210+/-0.059  $\chi^2/\text{NDF}$ : 963392.8/11

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

161.210+/-0.059  $\chi^2/\text{NDF}$ : 963392.8/11

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



Right In: 8.134+/-12.981  $\chi^2$ /NDF: 7.7/9

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

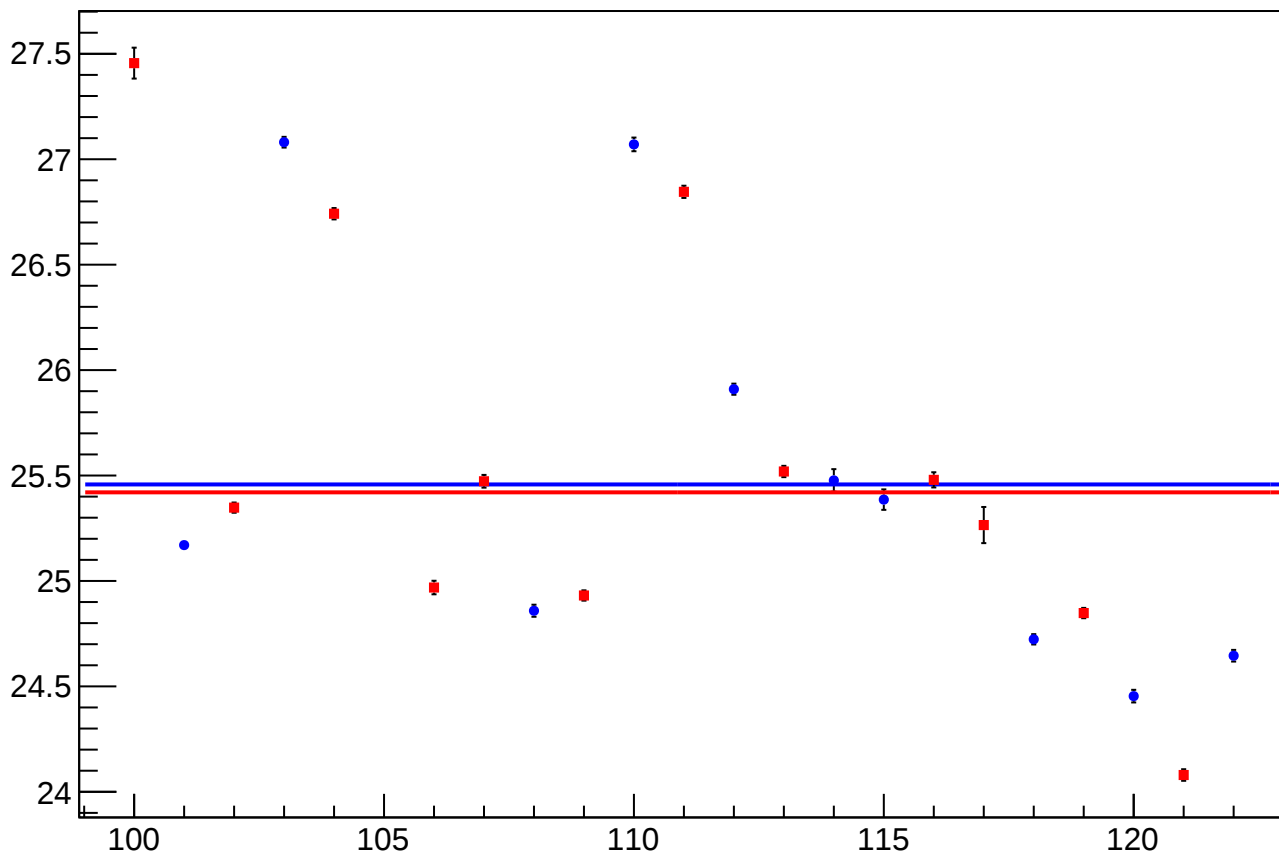
Right Out: -26.880+/-12.180  $\chi^2$ /NDF: 8.7/11

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

8.134+/-12.981  $\chi^2$ /NDF: 7.7/9

-26.880+/-12.180  $\chi^2$ /NDF: 8.7/11

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



Right In: 25.458+/-0.009  $\chi^2/\text{NDF}$ : 10307.8/9

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

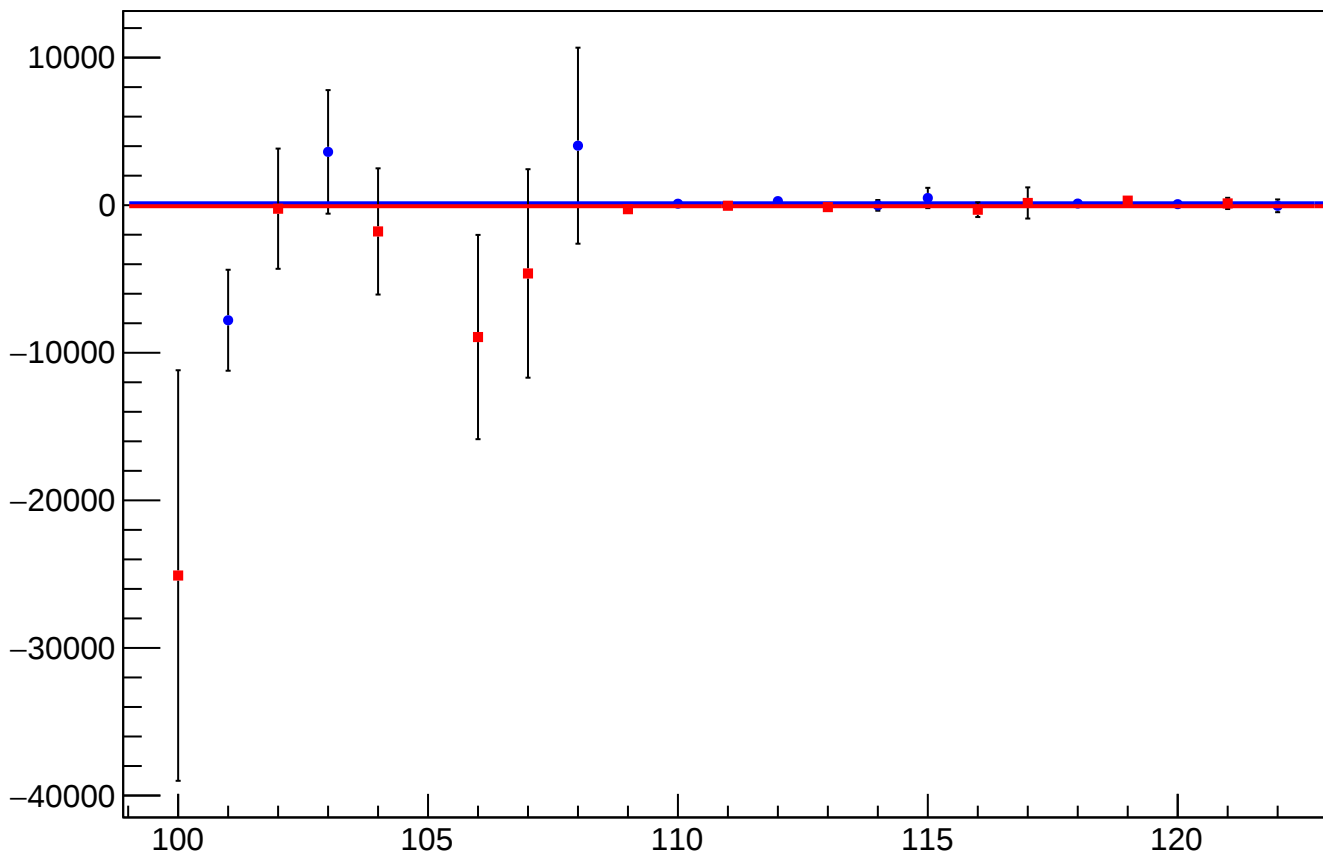
Right Out: 25.420+/-0.009  $\chi^2/\text{NDF}$ : 9148.3/11

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

25.458+/-0.009  $\chi^2/\text{NDF}$ : 10307.8/9

25.420+/-0.009  $\chi^2/\text{NDF}$ : 9148.3/11

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



Right In: 128.317 $\pm$ 109.339  $\chi^2$ /NDF: 7.5/9

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

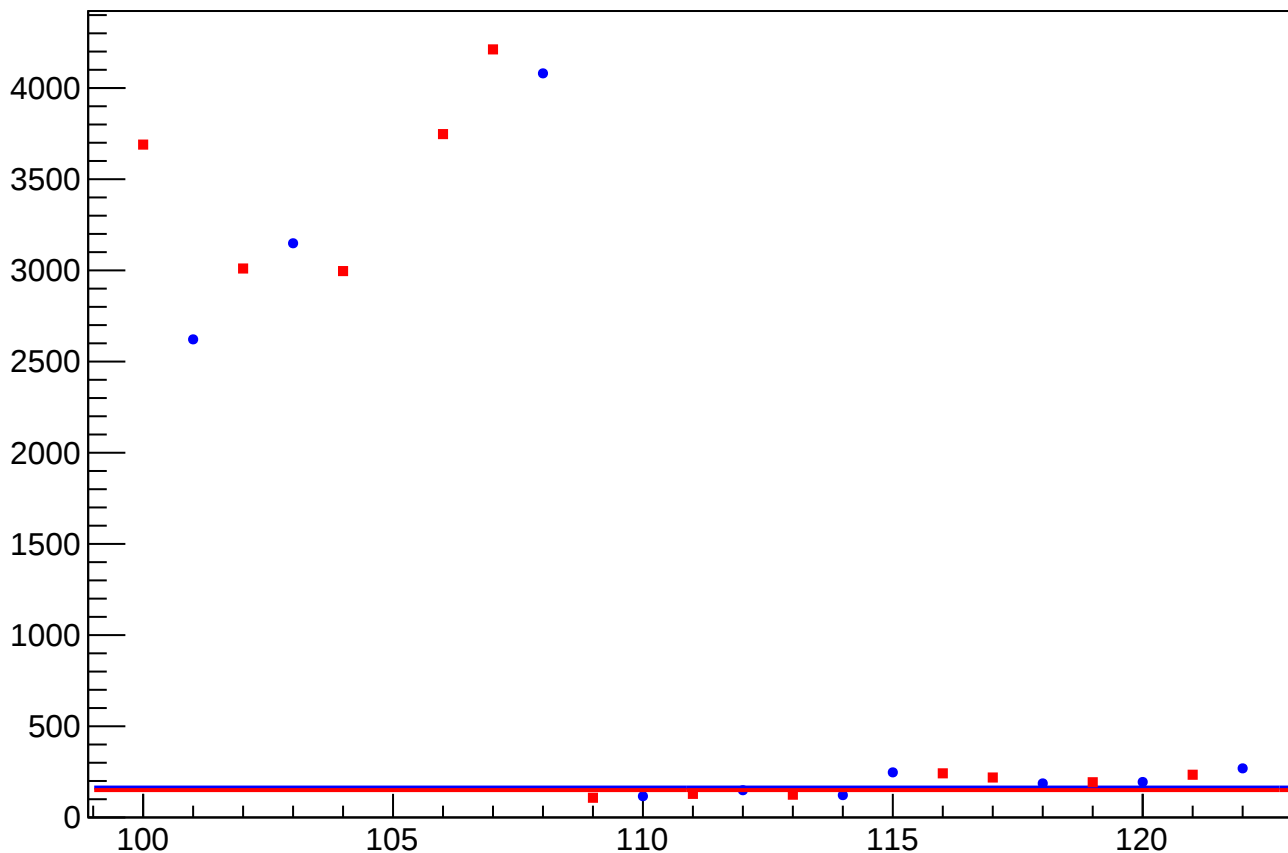
Right Out: -70.059 $\pm$ 100.279  $\chi^2$ /NDF: 8.9/11

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

128.317 $\pm$ 109.339  $\chi^2$ /NDF: 7.5/9

-70.059 $\pm$ 100.279  $\chi^2$ /NDF: 8.9/11

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



Right In: 163.954+/-0.077  $\chi^2/\text{NDF}$ : 3070493.3/9

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

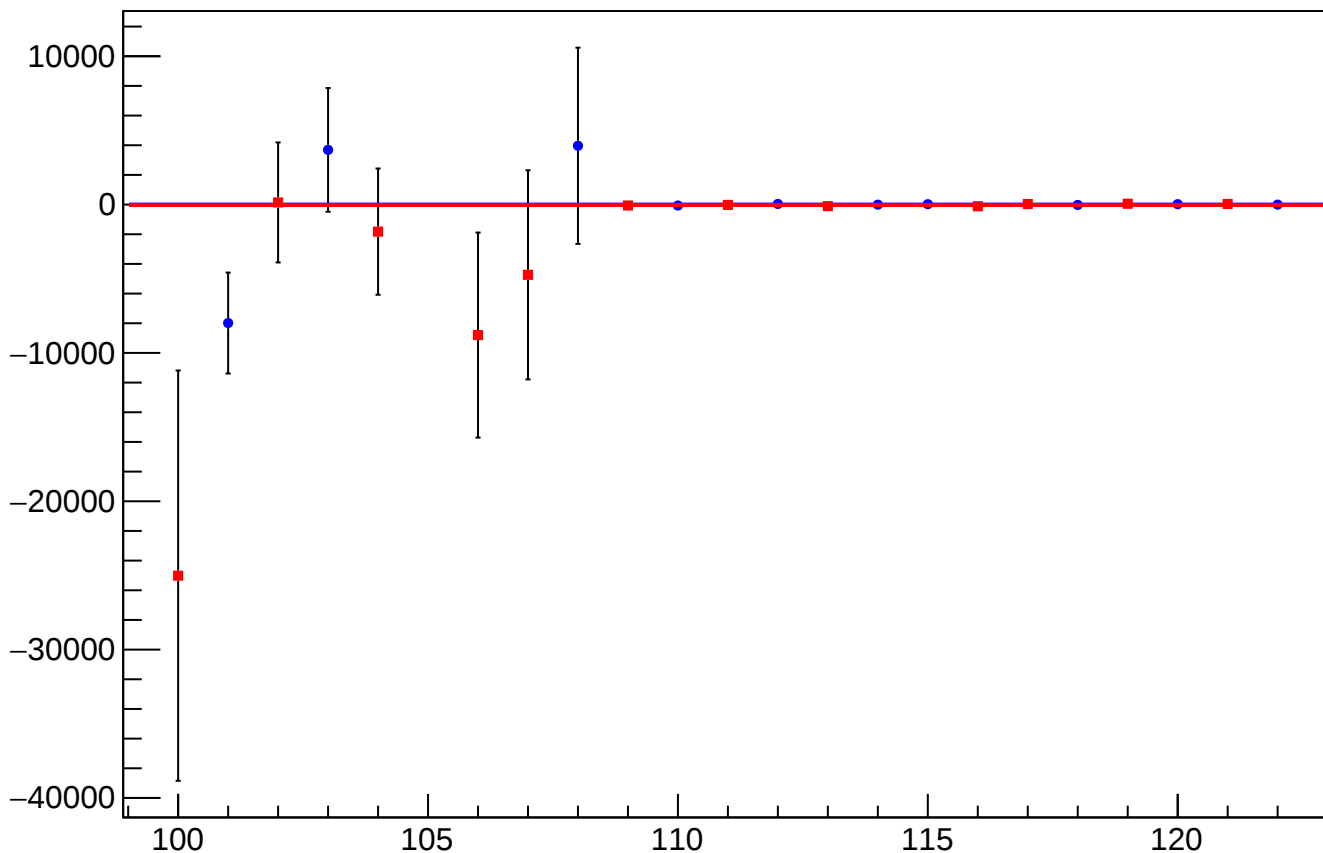
Right Out: 150.007+/-0.071  $\chi^2/\text{NDF}$ : 3561598.5/11

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

163.954+/-0.077  $\chi^2/\text{NDF}$ : 3070493.3/9

150.007+/-0.071  $\chi^2/\text{NDF}$ : 3561598.5/11

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



Right In: -1.603+/-17.991  $\chi^2/\text{NDF}$ : 10.6/9

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

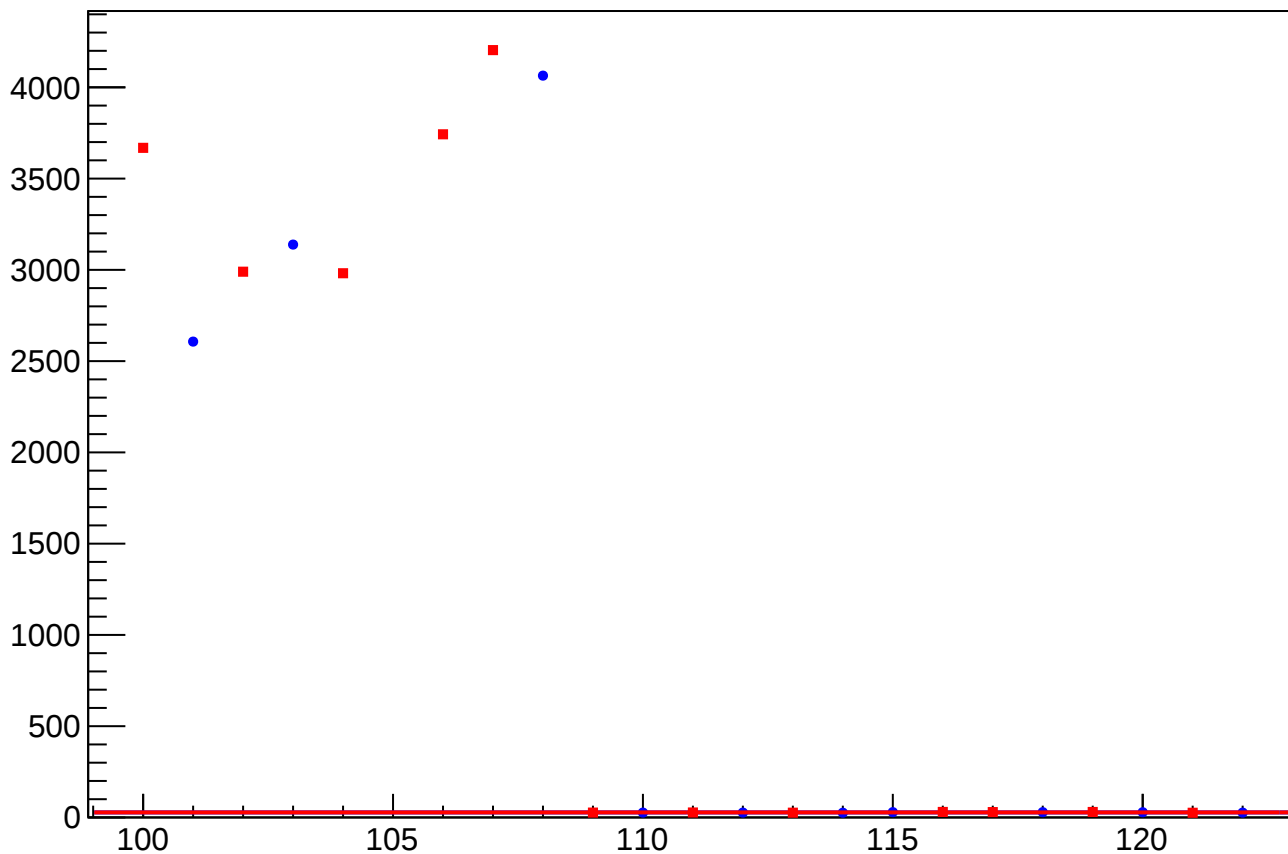
Right Out: -25.510+/-17.987  $\chi^2/\text{NDF}$ : 18.9/11

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

-1.603+/-17.991  $\chi^2/\text{NDF}$ : 10.6/9

-25.510+/-17.987  $\chi^2/\text{NDF}$ : 18.9/11

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



Right In: 27.583+/-0.013  $\chi^2/\text{NDF}$ : 3015607.1/9

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

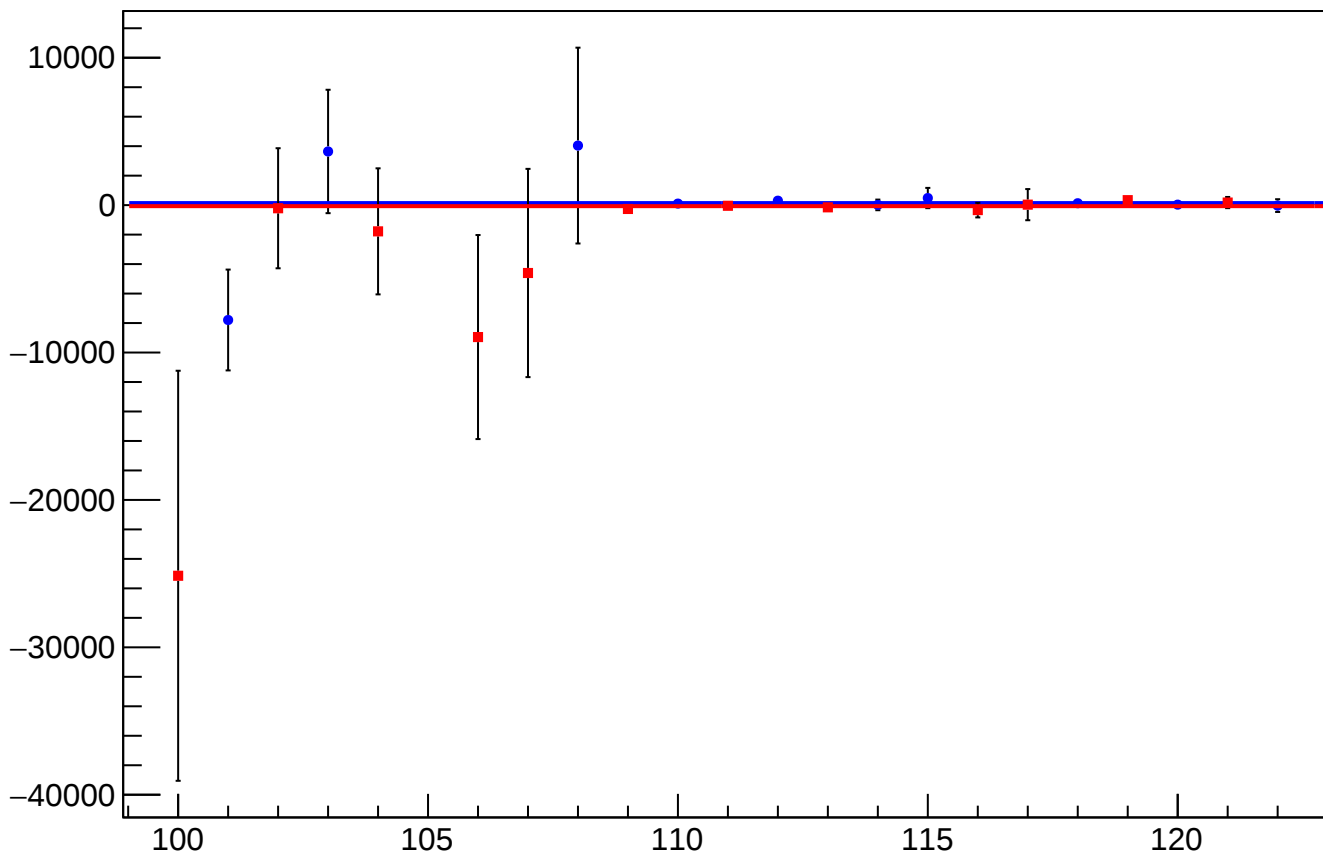
Right Out: 27.604+/-0.013  $\chi^2/\text{NDF}$ : 3473486.0/11

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

27.583+/-0.013  $\chi^2/\text{NDF}$ : 3015607.1/9

27.604+/-0.013  $\chi^2/\text{NDF}$ : 3473486.0/11

asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_mean vs Slug



Right In: 138.327+/-108.897  $\chi^2/\text{NDF}$ : 7.6/9

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

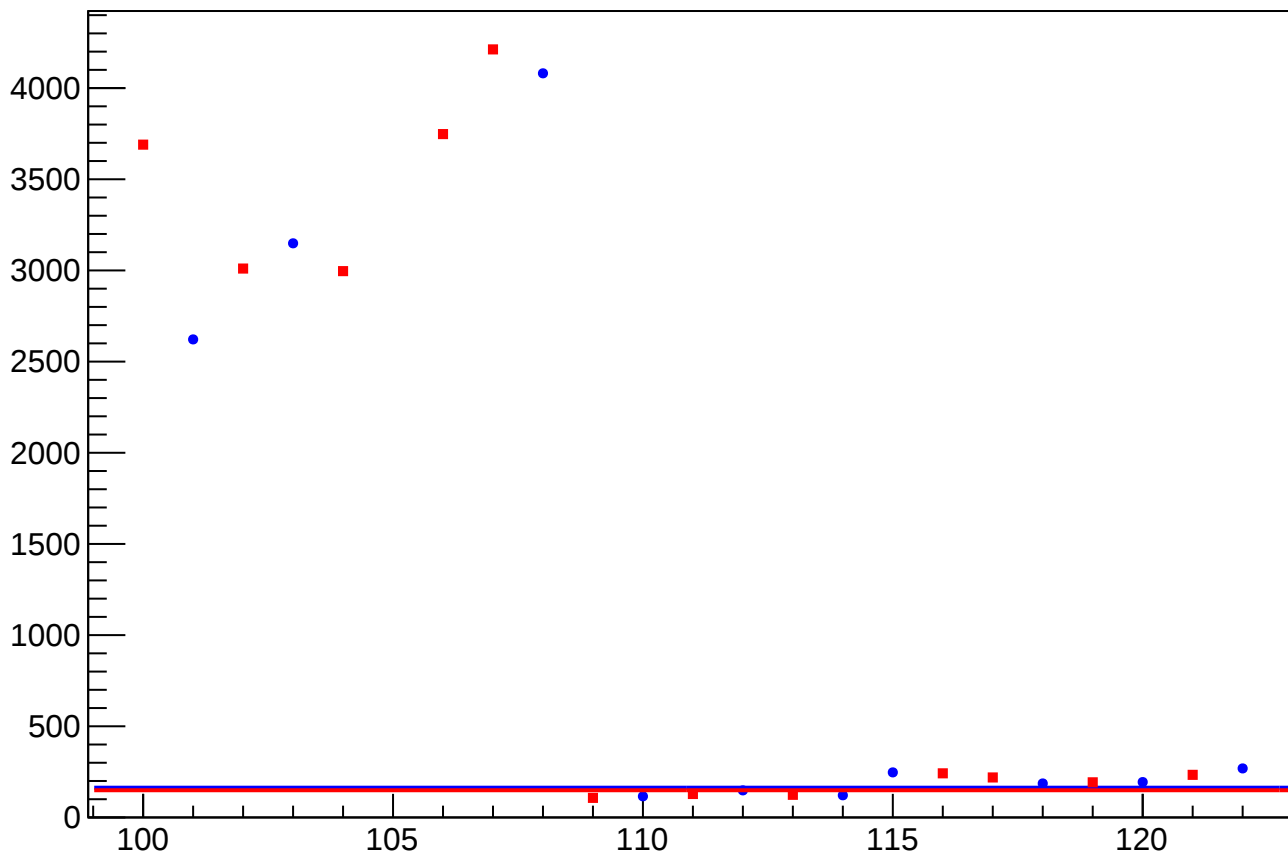
Right Out: -69.975+/-99.833  $\chi^2/\text{NDF}$ : 9.4/11

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

138.327+/-108.897  $\chi^2/\text{NDF}$ : 7.6/9

-69.975+/-99.833  $\chi^2/\text{NDF}$ : 9.4/11

asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_avg\_rms vs Slug



Right In: 163.196+/-0.077  $\chi^2/\text{NDF}$ : 3075767.3/9

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

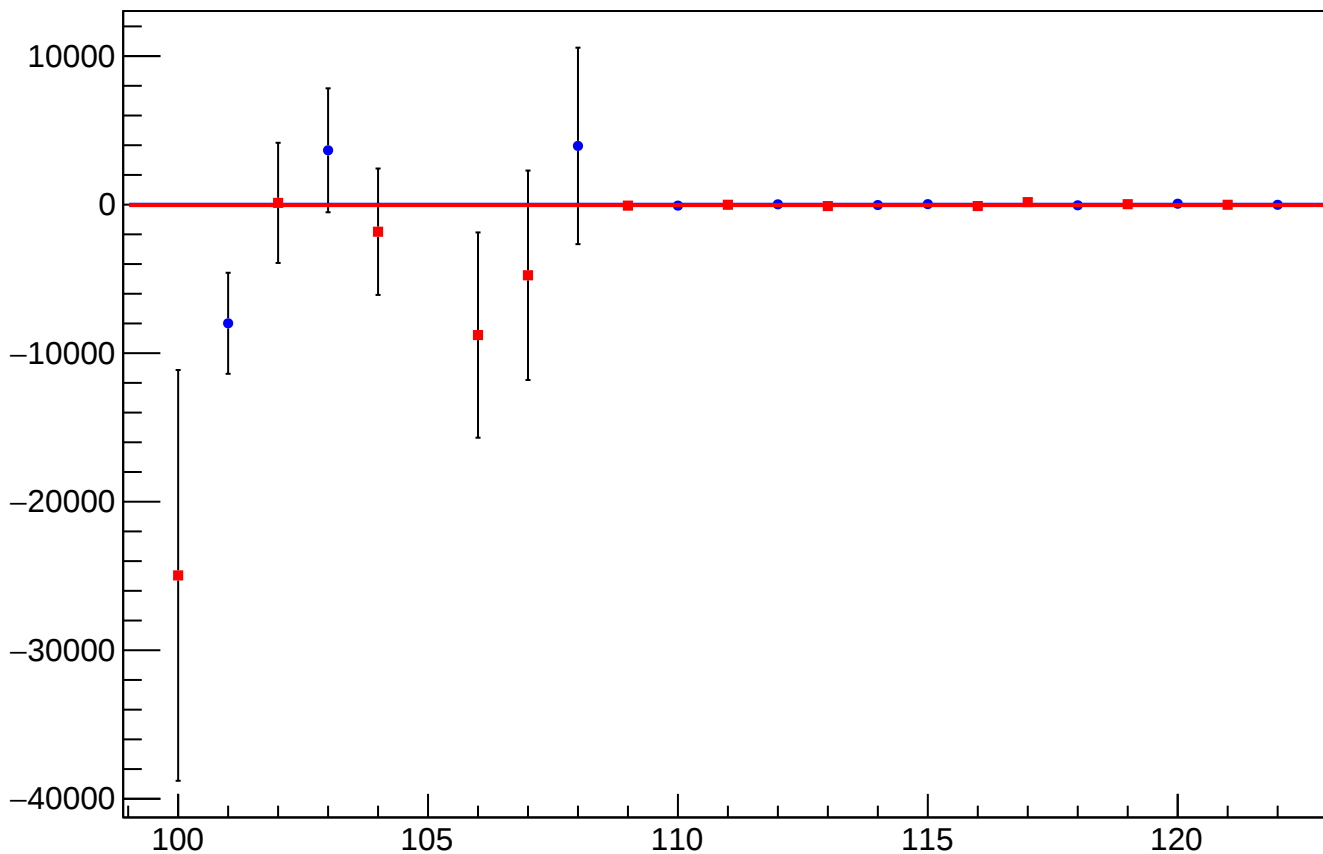
Right Out: 149.240+/-0.071  $\chi^2/\text{NDF}$ : 3567245.7/11

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

163.196+/-0.077  $\chi^2/\text{NDF}$ : 3075767.3/9

149.240+/-0.071  $\chi^2/\text{NDF}$ : 3567245.7/11

asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_mean vs Slug



Right In: -8.298+/-18.079  $\chi^2/\text{NDF}$ : 12.1/9

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

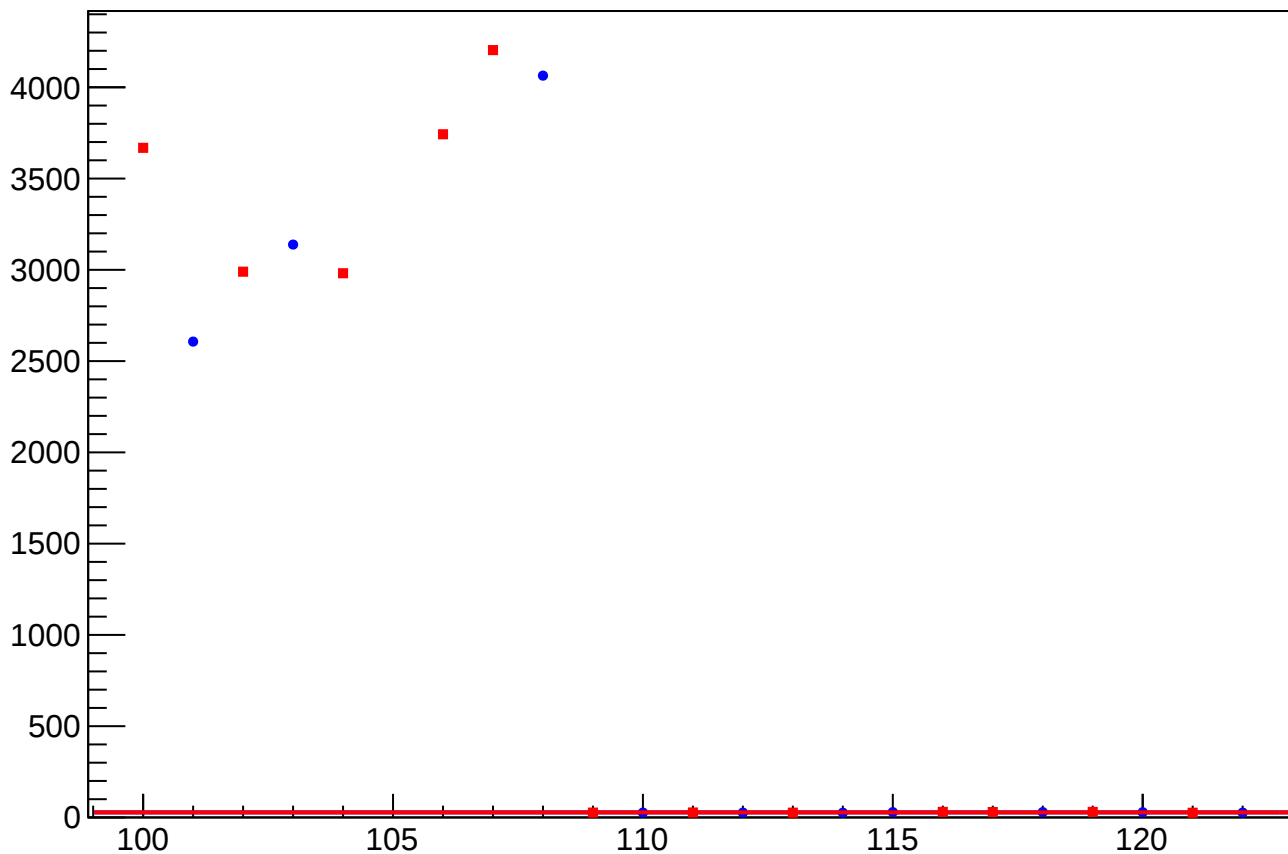
Right Out: -32.399+/-18.103  $\chi^2/\text{NDF}$ : 14.6/11

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

-8.298+/-18.079  $\chi^2/\text{NDF}$ : 12.1/9

-32.399+/-18.103  $\chi^2/\text{NDF}$ : 14.6/11

asym\_bcm\_cav4cQ\_bcm\_an\_ds\_agg\_dd\_rms vs Slug



Right In: 27.714+/-0.013  $\chi^2/\text{NDF}$ : 3016168.6/9

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

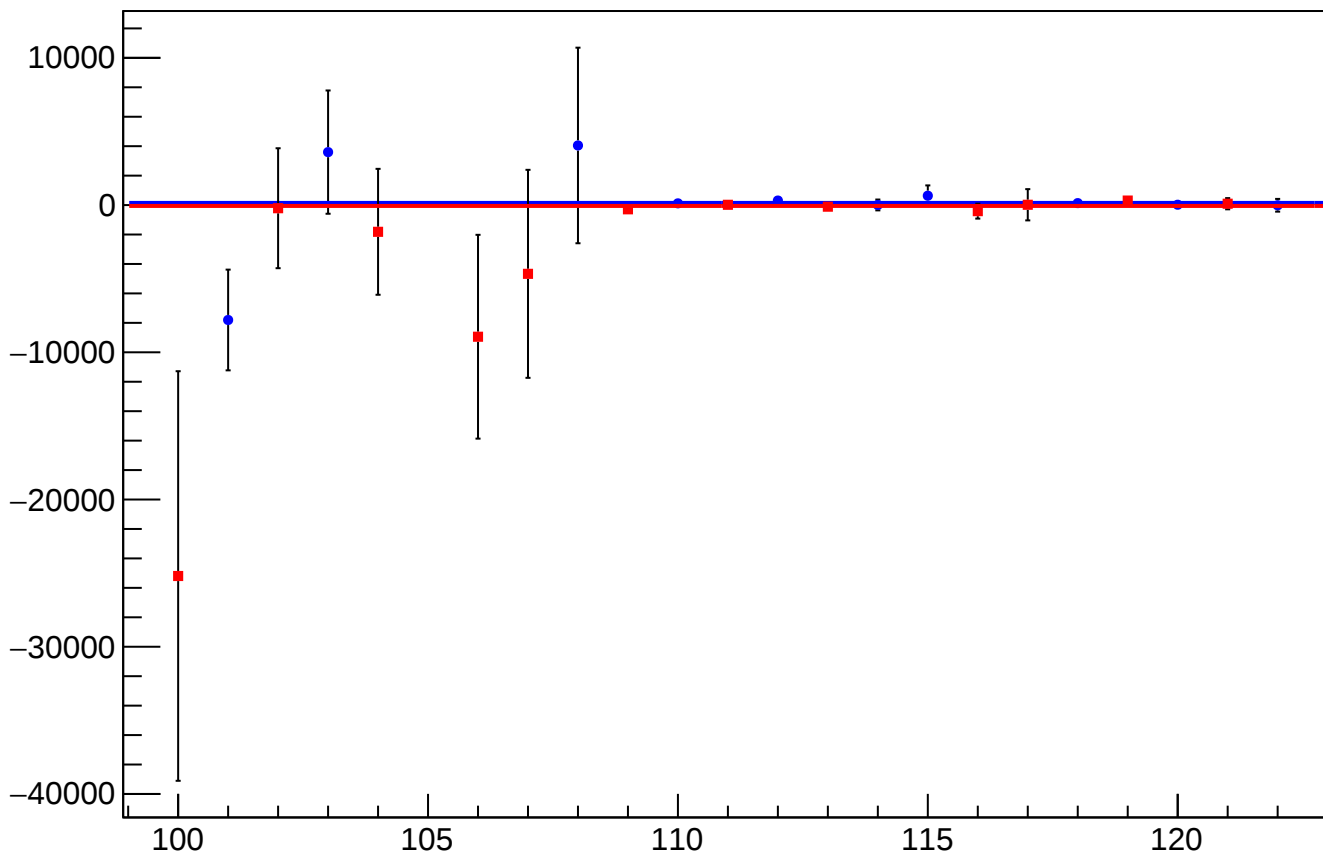
Right Out: 27.776+/-0.013  $\chi^2/\text{NDF}$ : 3475474.6/11

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

27.714+/-0.013  $\chi^2/\text{NDF}$ : 3016168.6/9

27.776+/-0.013  $\chi^2/\text{NDF}$ : 3475474.6/11

asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_mean vs Slug



Right In: 147.045+/-110.433  $\chi^2/\text{NDF}$ : 7.9/9

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

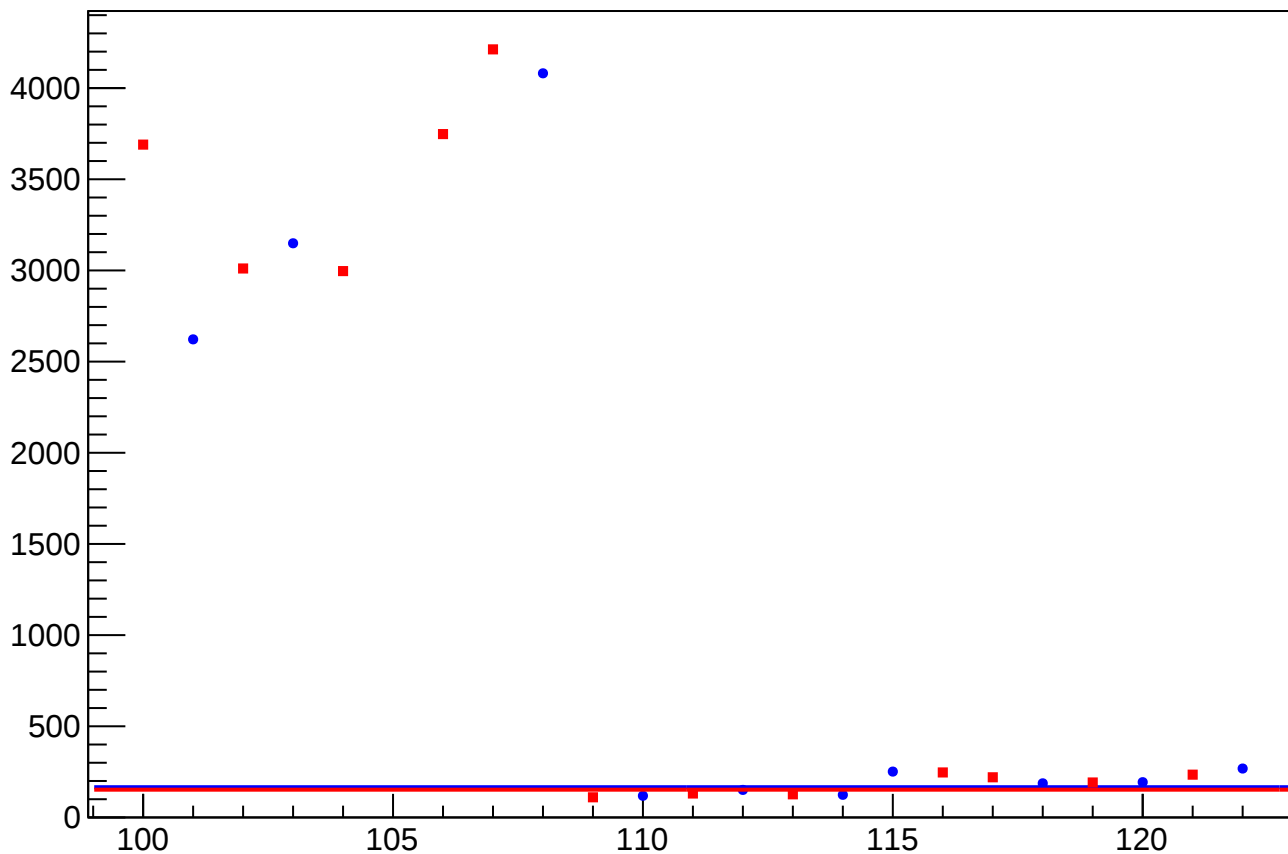
Right Out: -58.518+/-101.525  $\chi^2/\text{NDF}$ : 9.3/11

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

147.045+/-110.433  $\chi^2/\text{NDF}$ : 7.9/9

-58.518+/-101.525  $\chi^2/\text{NDF}$ : 9.3/11

asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_avg\_rms vs Slug



Right In: 165.913+/-0.078  $\chi^2/\text{NDF}$ : 3050173.4/9

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

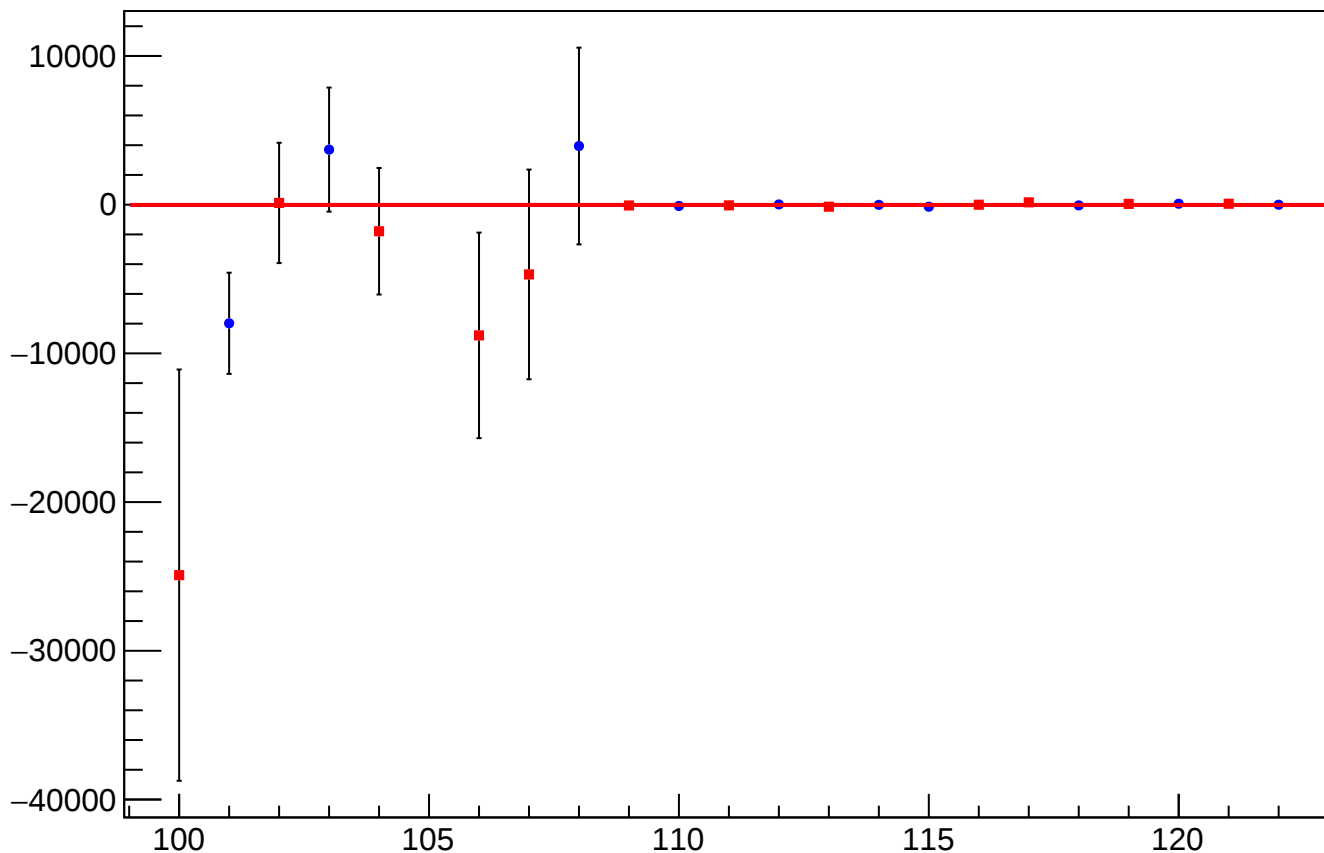
Right Out: 152.286+/-0.072  $\chi^2/\text{NDF}$ : 3541665.7/11

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

165.913+/-0.078  $\chi^2/\text{NDF}$ : 3050173.4/9

152.286+/-0.072  $\chi^2/\text{NDF}$ : 3541665.7/11

asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_dd\_mean vs Slug



Right In: -19.526 $\pm$ 22.062  $\chi^2$ /NDF: 12.7/9

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

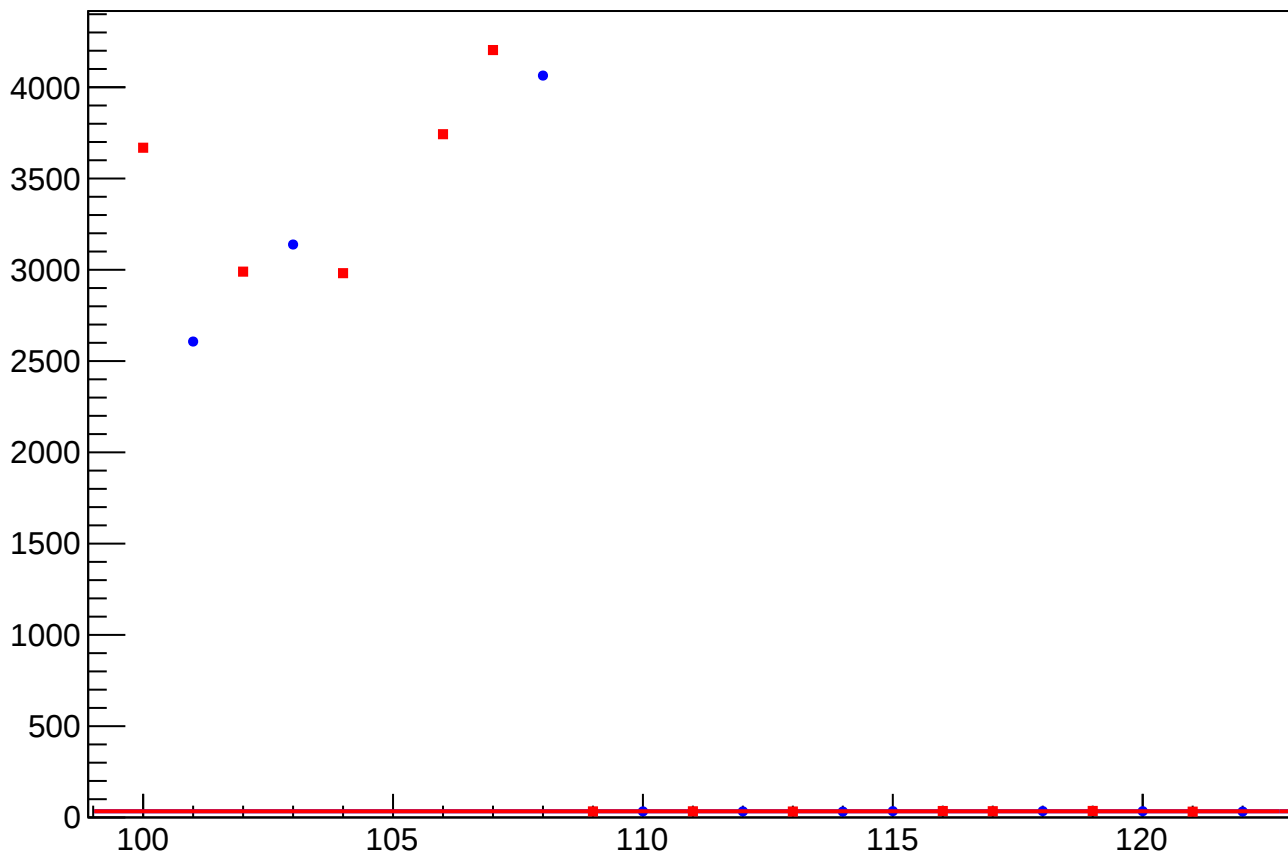
Right Out: -18.269 $\pm$ 21.980  $\chi^2$ /NDF: 17.7/11

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

-19.526 $\pm$ 22.062  $\chi^2$ /NDF: 12.7/9

-18.269 $\pm$ 21.980  $\chi^2$ /NDF: 17.7/11

asym\_bcm\_cav4cQ\_bcm\_dg\_us\_agg\_dd\_rms vs Slug



Right In: 33.841+/-0.016  $\chi^2/\text{NDF}$ : 2997889.4/9

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

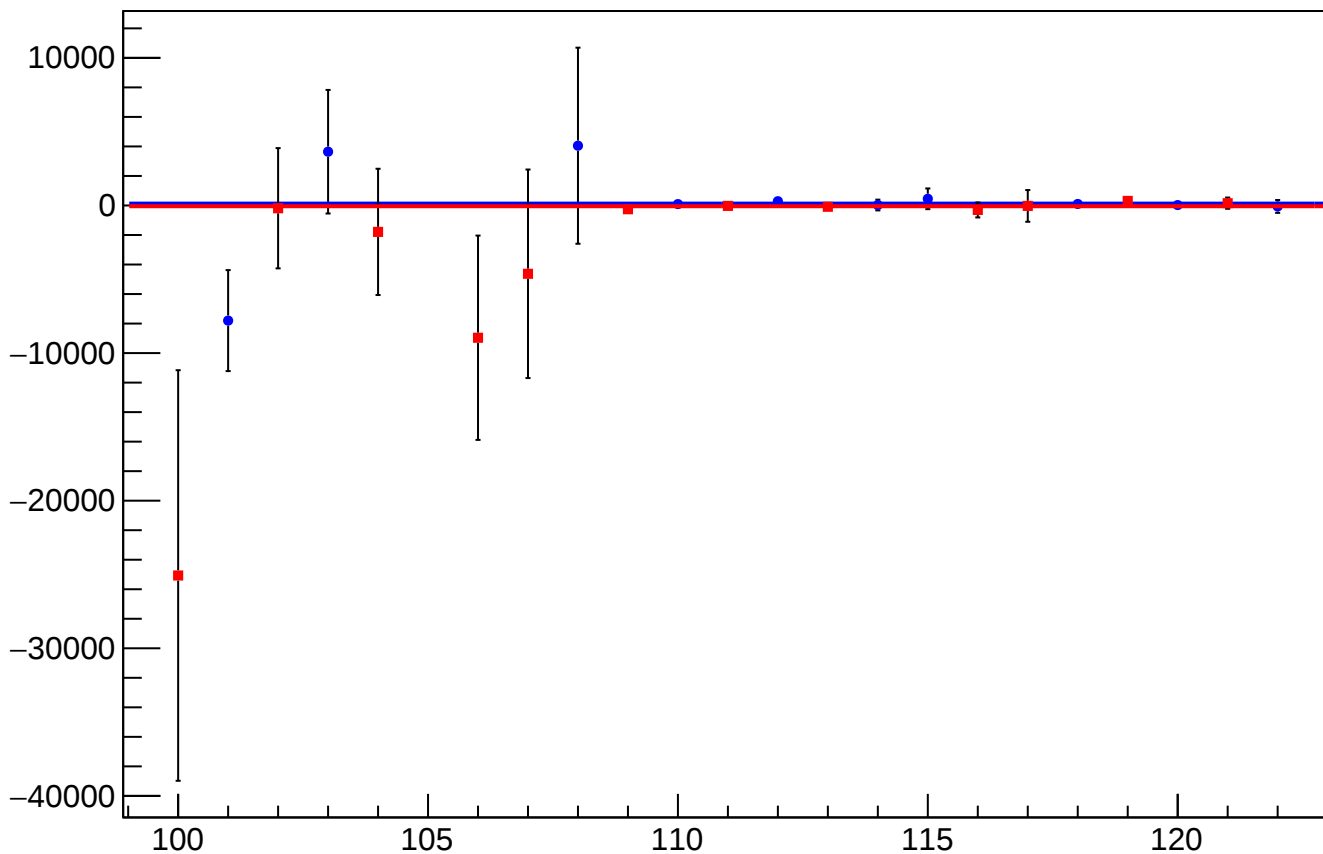
Right Out: 33.831+/-0.016  $\chi^2/\text{NDF}$ : 3449874.7/11

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

33.841+/-0.016  $\chi^2/\text{NDF}$ : 2997889.4/9

33.831+/-0.016  $\chi^2/\text{NDF}$ : 3449874.7/11

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_mean vs Slug



Right In: 126.001+/-109.761  $\chi^2/\text{NDF}$ : 7.6/9

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

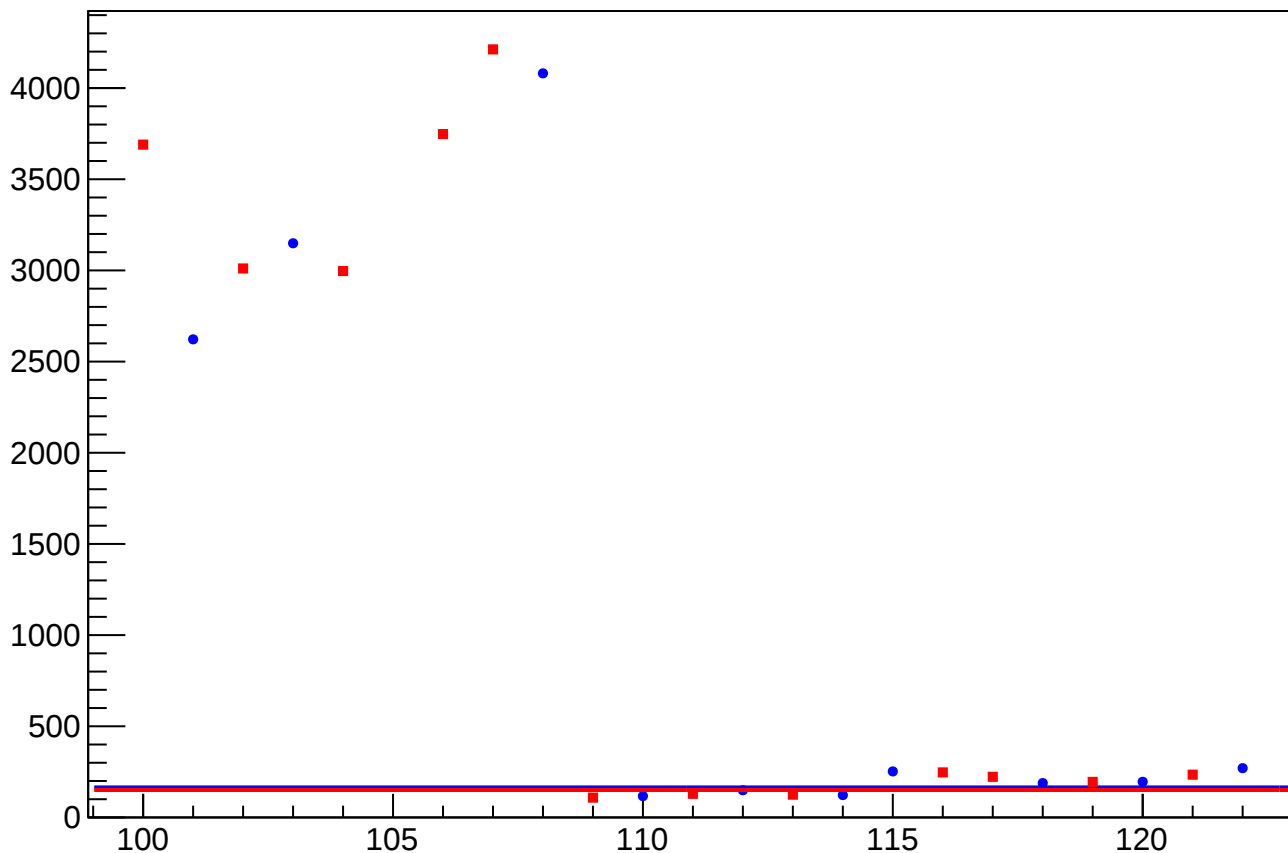
Right Out: -51.291+/-100.702  $\chi^2/\text{NDF}$ : 8.7/11

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

126.001+/-109.761  $\chi^2/\text{NDF}$ : 7.6/9

-51.291+/-100.702  $\chi^2/\text{NDF}$ : 8.7/11

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_avg\_rms vs Slug



Right In: 164.555+/-0.078  $\chi^2/\text{NDF}$ : 3073423.6/9

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

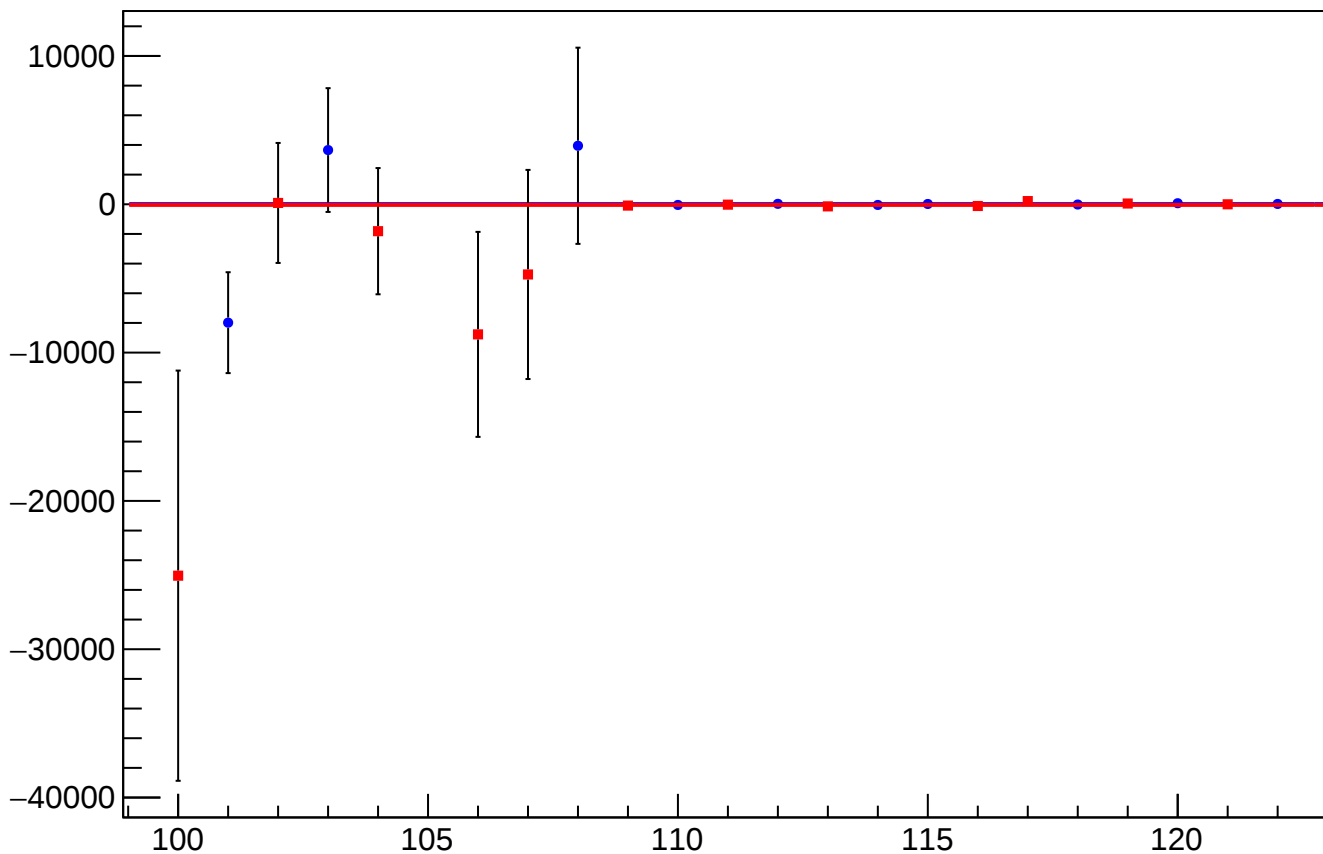
Right Out: 150.604+/-0.071  $\chi^2/\text{NDF}$ : 3566469.7/11

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

164.555+/-0.078  $\chi^2/\text{NDF}$ : 3073423.6/9

150.604+/-0.071  $\chi^2/\text{NDF}$ : 3566469.7/11

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_mean vs Slug



Right In: 8.855+/-20.259  $\chi^2$ /NDF: 10.0/9

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

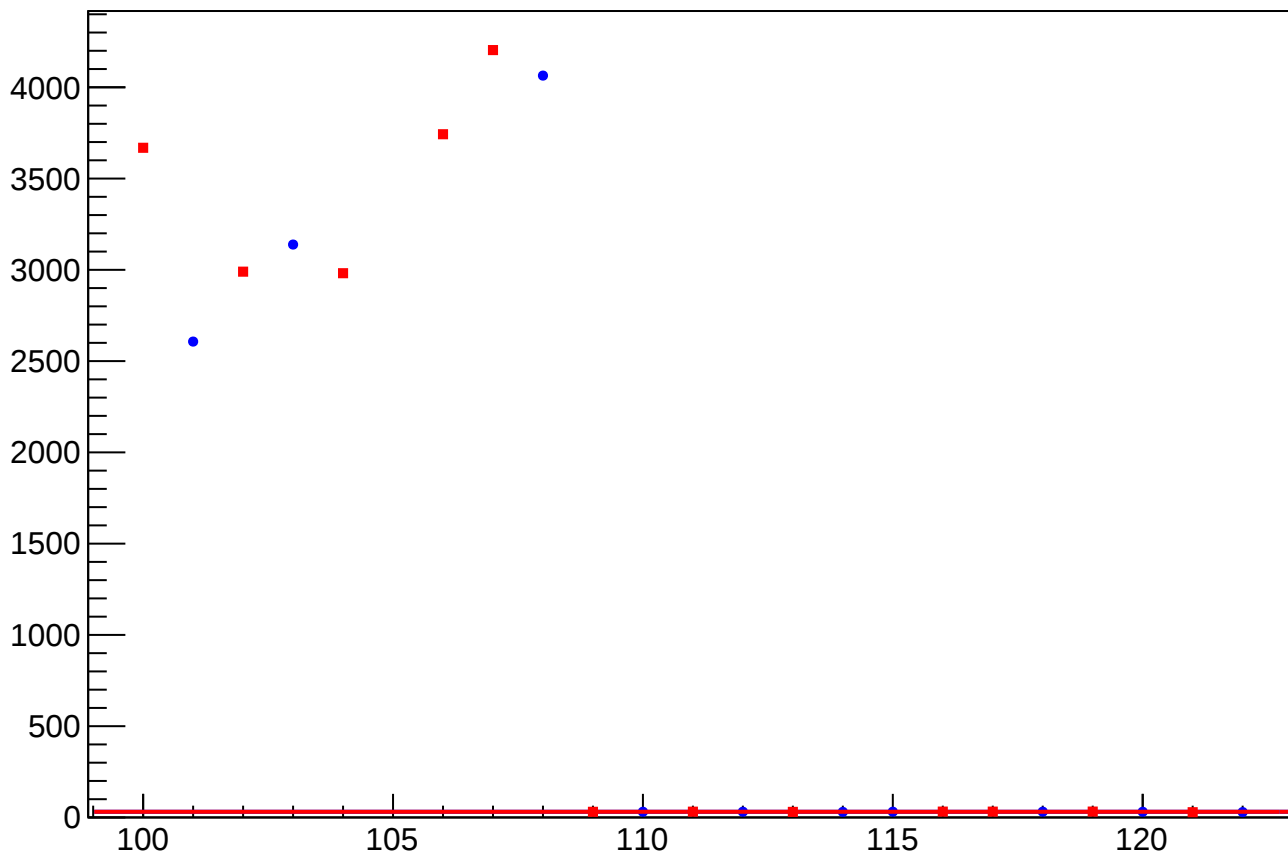
Right Out: -40.254+/-20.243  $\chi^2$ /NDF: 20.3/11

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

8.855+/-20.259  $\chi^2$ /NDF: 10.0/9

-40.254+/-20.243  $\chi^2$ /NDF: 20.3/11

asym\_bcm\_cav4cQ\_bcm\_dg\_ds\_agg\_dd\_rms vs Slug



Right In: 31.110+/-0.014  $\chi^2/\text{NDF}$ : 3003137.3/9

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

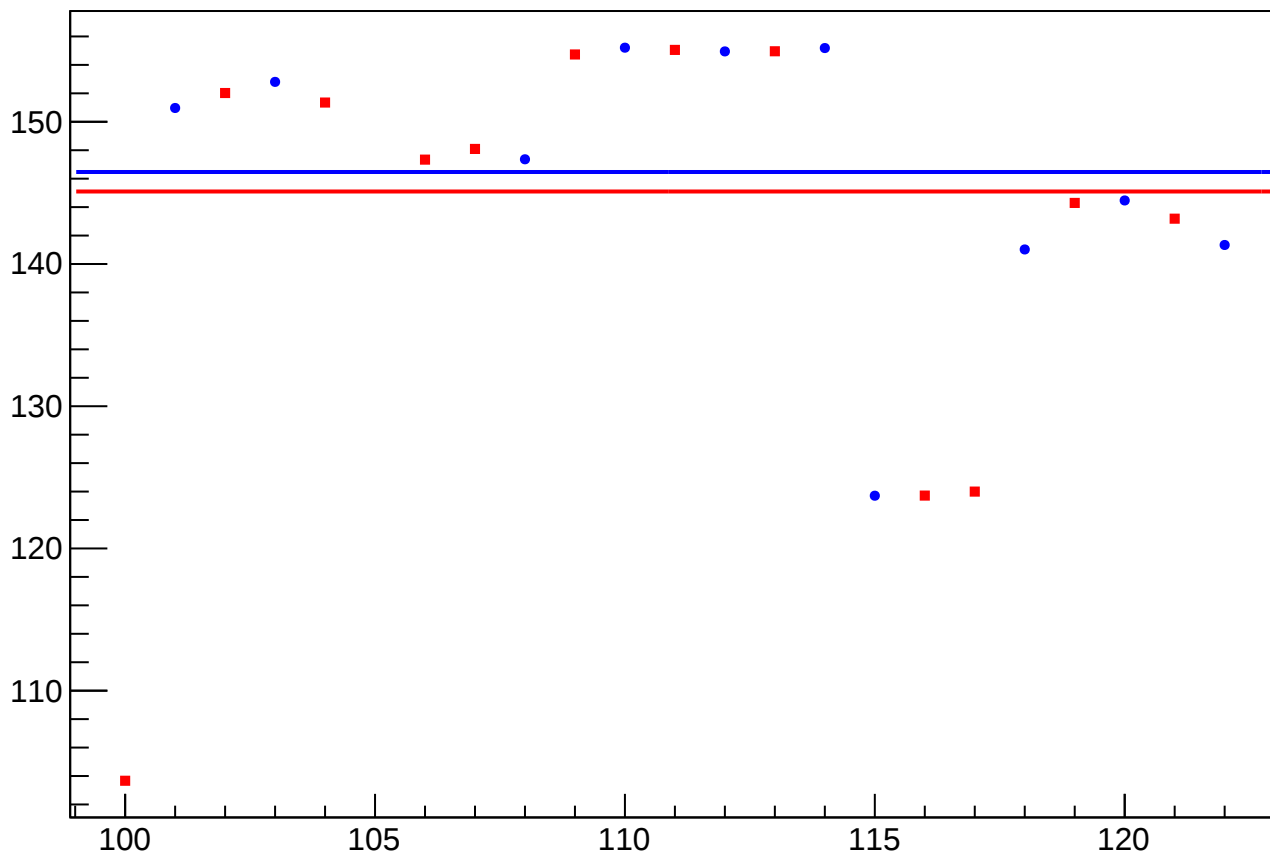
Right Out: 31.135+/-0.014  $\chi^2/\text{NDF}$ : 3454997.9/11

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

31.110+/-0.014  $\chi^2/\text{NDF}$ : 3003137.3/9

31.135+/-0.014  $\chi^2/\text{NDF}$ : 3454997.9/11

# yield\_bcm\_an\_ds\_mean vs Slug



Right In: 146.469+/-0.000  $\chi^2/\text{NDF}$ : 1946624852.9/9

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

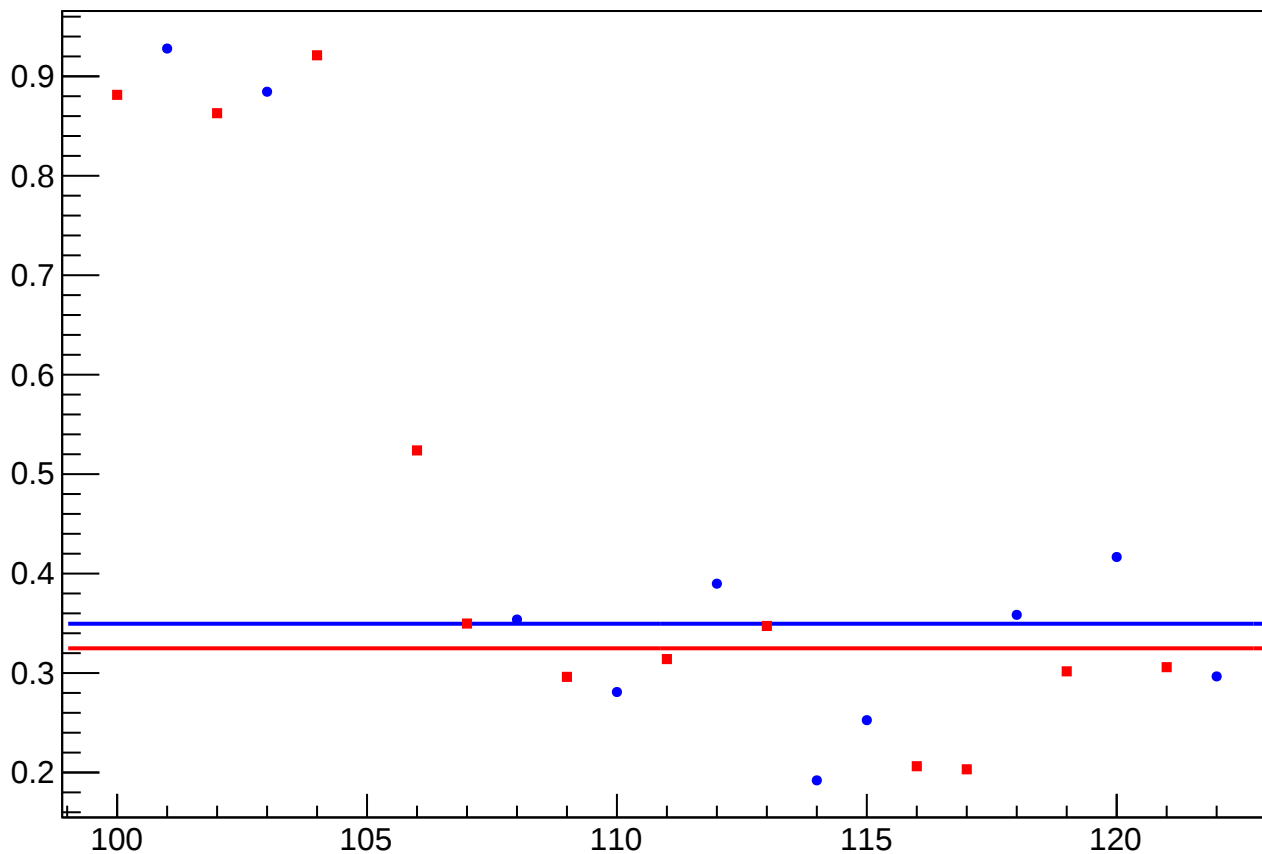
Right Out: 145.098+/-0.000  $\chi^2/\text{NDF}$ : 4240763792.5/11

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

146.469+/-0.000  $\chi^2/\text{NDF}$ : 1946624852.9/9

145.098+/-0.000  $\chi^2/\text{NDF}$ : 4240763792.5/11

# yield\_bcm\_an\_ds\_rms vs Slug



Right In: 0.350+/-0.000  $\chi^2/\text{NDF}$ : 1094081.7/9

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

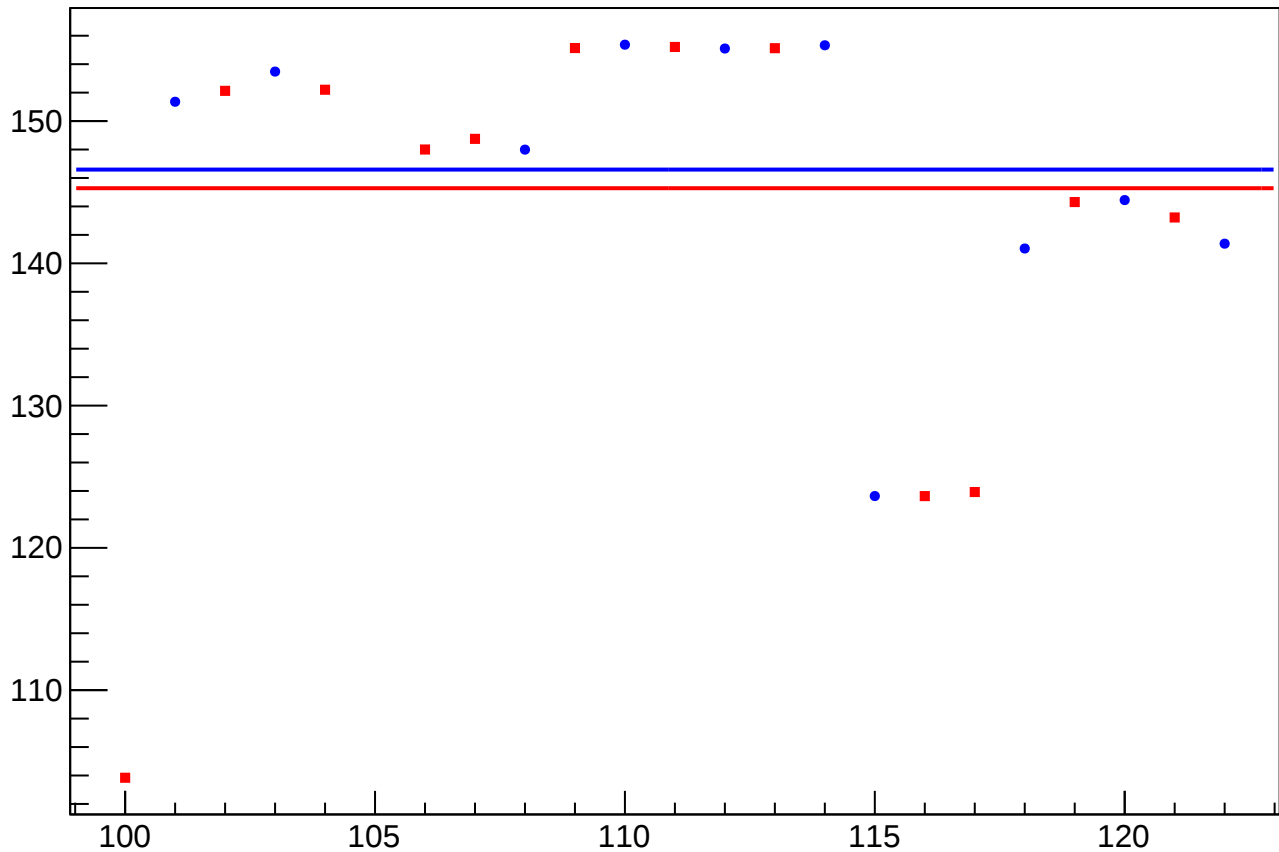
Right Out: 0.325+/-0.000  $\chi^2/\text{NDF}$ : 1135162.1/11

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

0.350+/-0.000  $\chi^2/\text{NDF}$ : 1094081.7/9

0.325+/-0.000  $\chi^2/\text{NDF}$ : 1135162.1/11

# yield\_bcm\_an\_ds3\_mean vs Slug



Right In: 146.591+/-0.000  $\chi^2/\text{NDF}$ : 1960302897.3/9

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

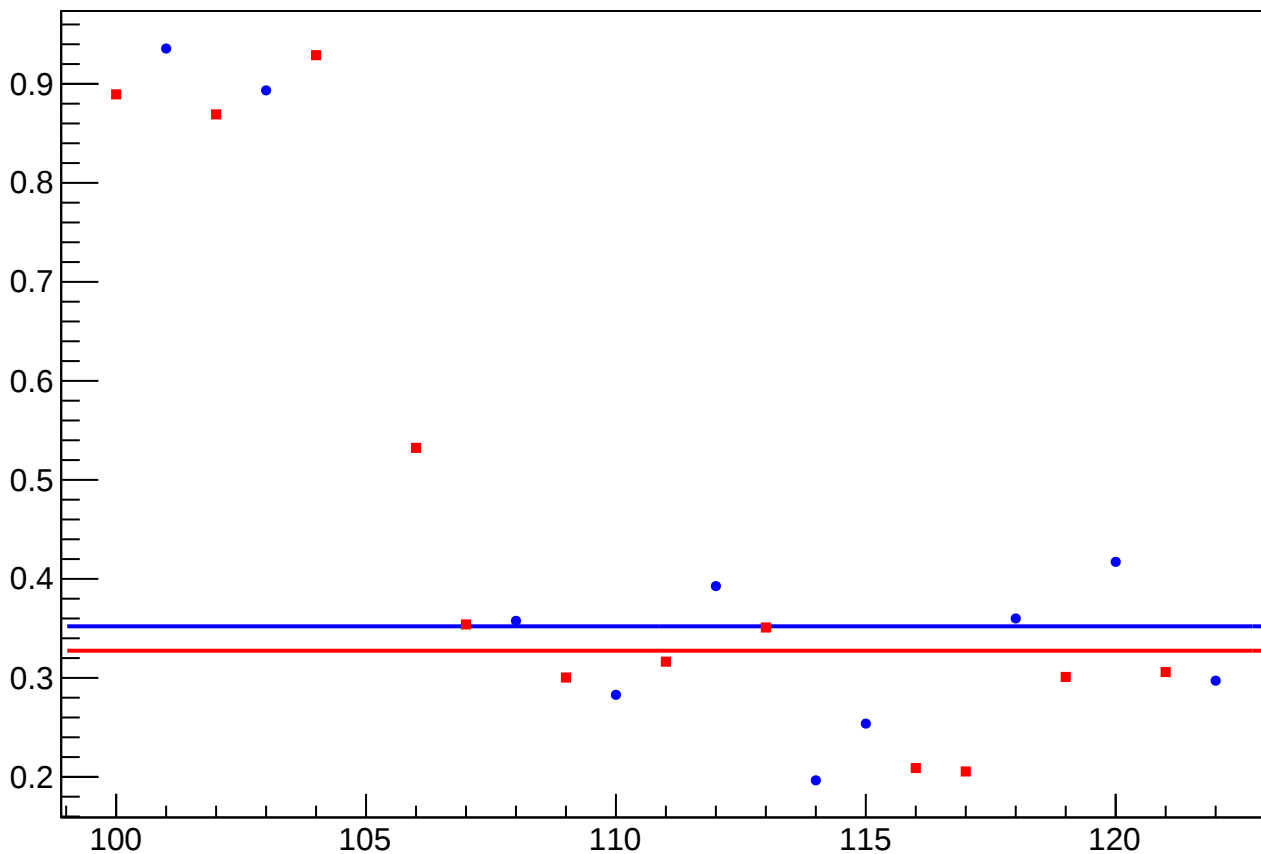
Right Out: 145.281+/-0.000  $\chi^2/\text{NDF}$ : 4252619951.9/11

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

146.591+/-0.000  $\chi^2/\text{NDF}$ : 1960302897.3/9

145.281+/-0.000  $\chi^2/\text{NDF}$ : 4252619951.9/11

# yield\_bcm\_an\_ds3\_rms vs Slug



Right In: 0.352+/-0.000  $\chi^2/\text{NDF}$ : 1090677.8/9

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

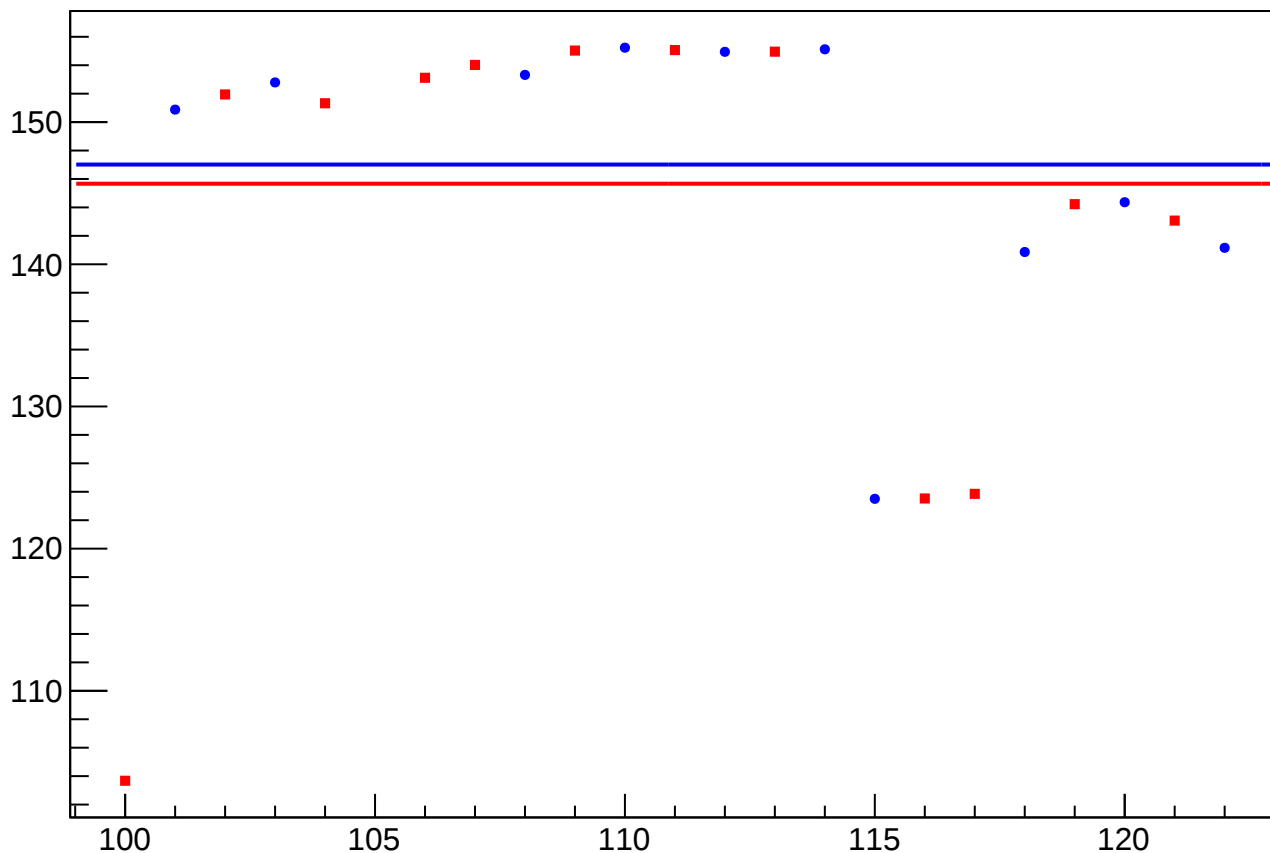
Right Out: 0.327+/-0.000  $\chi^2/\text{NDF}$ : 1135334.6/11

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

0.352+/-0.000  $\chi^2/\text{NDF}$ : 1090677.8/9

0.327+/-0.000  $\chi^2/\text{NDF}$ : 1135334.6/11

# yield\_bcm\_an\_us\_mean vs Slug



Right In: 147.015 $\pm$ 0.000  $\chi^2$ /NDF: 2084340425.7/9

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

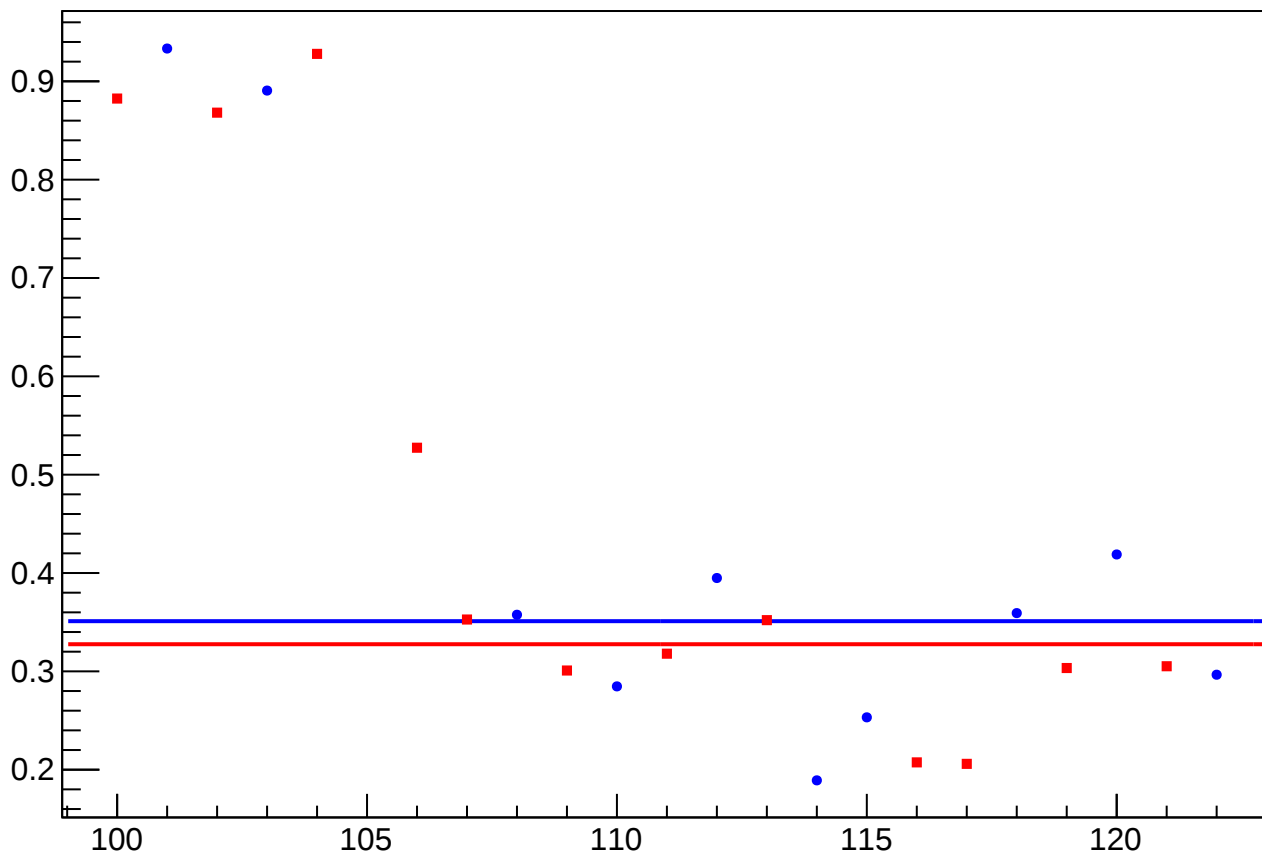
Right Out: 145.666 $\pm$ 0.000  $\chi^2$ /NDF: 4488953047.6/11

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

147.015 $\pm$ 0.000  $\chi^2$ /NDF: 2084340425.7/9

145.666 $\pm$ 0.000  $\chi^2$ /NDF: 4488953047.6/11

# yield\_bcm\_an\_us\_rms vs Slug



Right In: 0.351+/-0.000  $\chi^2/\text{NDF}$ : 1104906.5/9

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

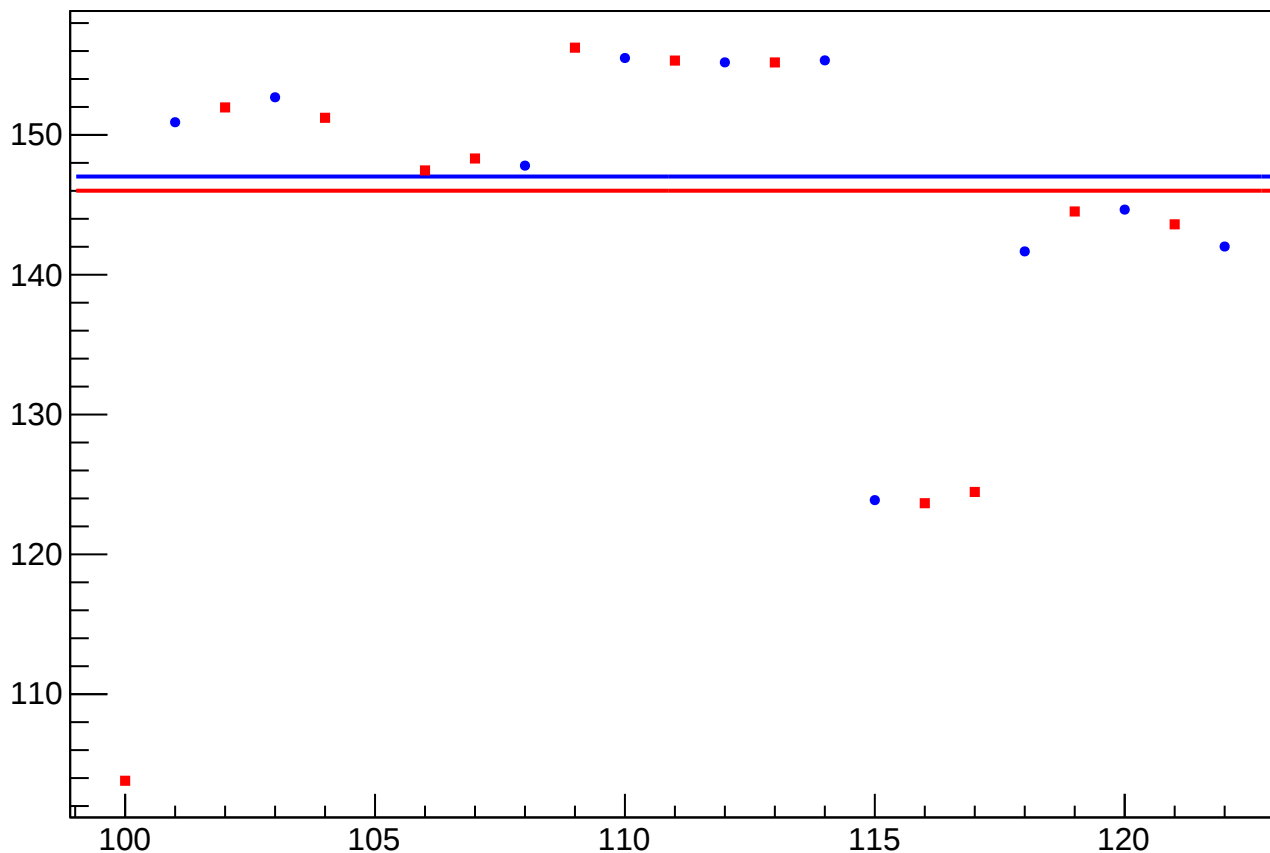
Right Out: 0.328+/-0.000  $\chi^2/\text{NDF}$ : 1135380.6/11

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

0.351+/-0.000  $\chi^2/\text{NDF}$ : 1104906.5/9

0.328+/-0.000  $\chi^2/\text{NDF}$ : 1135380.6/11

# yield\_bcm\_dg\_us\_mean vs Slug



Right In: 147.025+/-0.000  $\chi^2/\text{NDF}$ : 1732716100.8/9

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

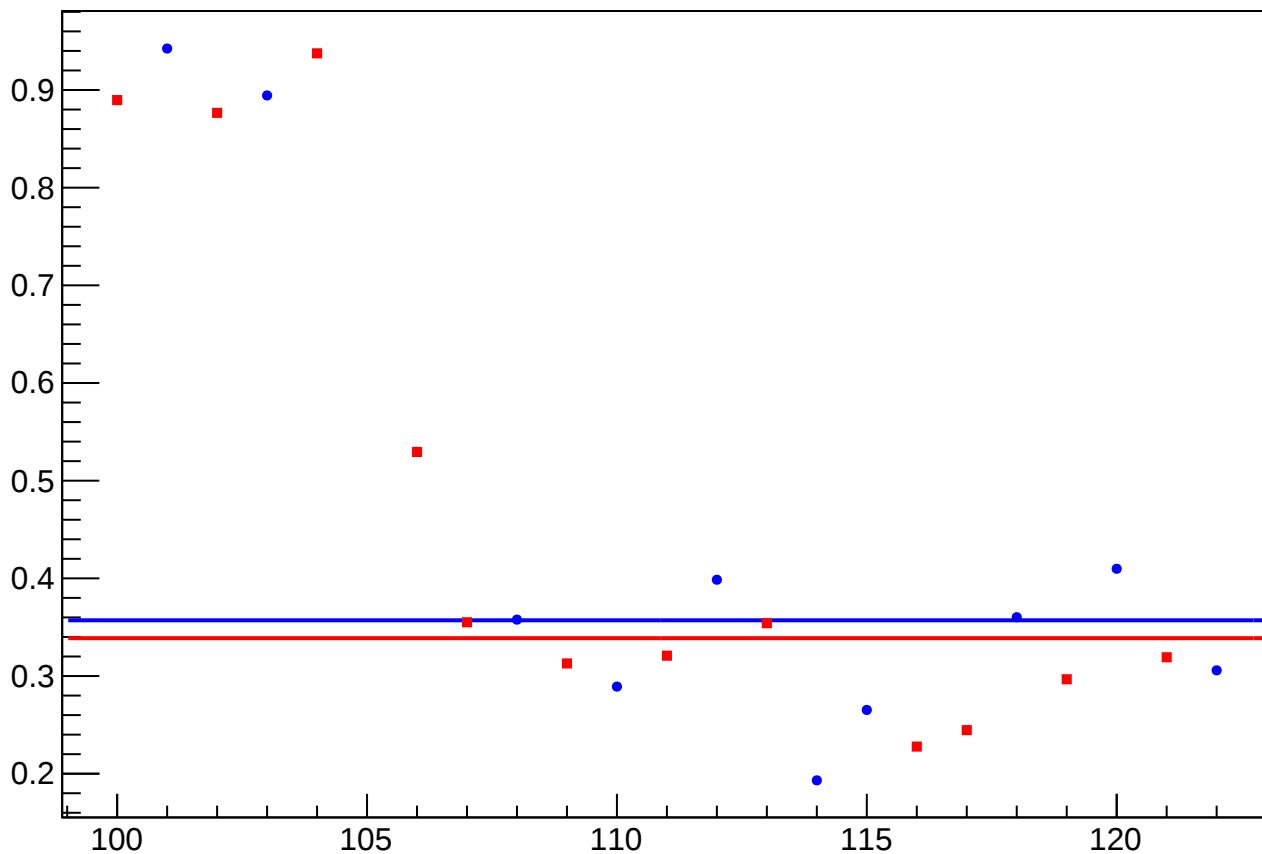
Right Out: 146.010+/-0.000  $\chi^2/\text{NDF}$ : 3797270515.3/11

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

147.025+/-0.000  $\chi^2/\text{NDF}$ : 1732716100.8/9

146.010+/-0.000  $\chi^2/\text{NDF}$ : 3797270515.3/11

# yield\_bcm\_dg\_us\_rms vs Slug



Right In: 0.357+/-0.000  $\chi^2/\text{NDF}$ : 1072691.6/9

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

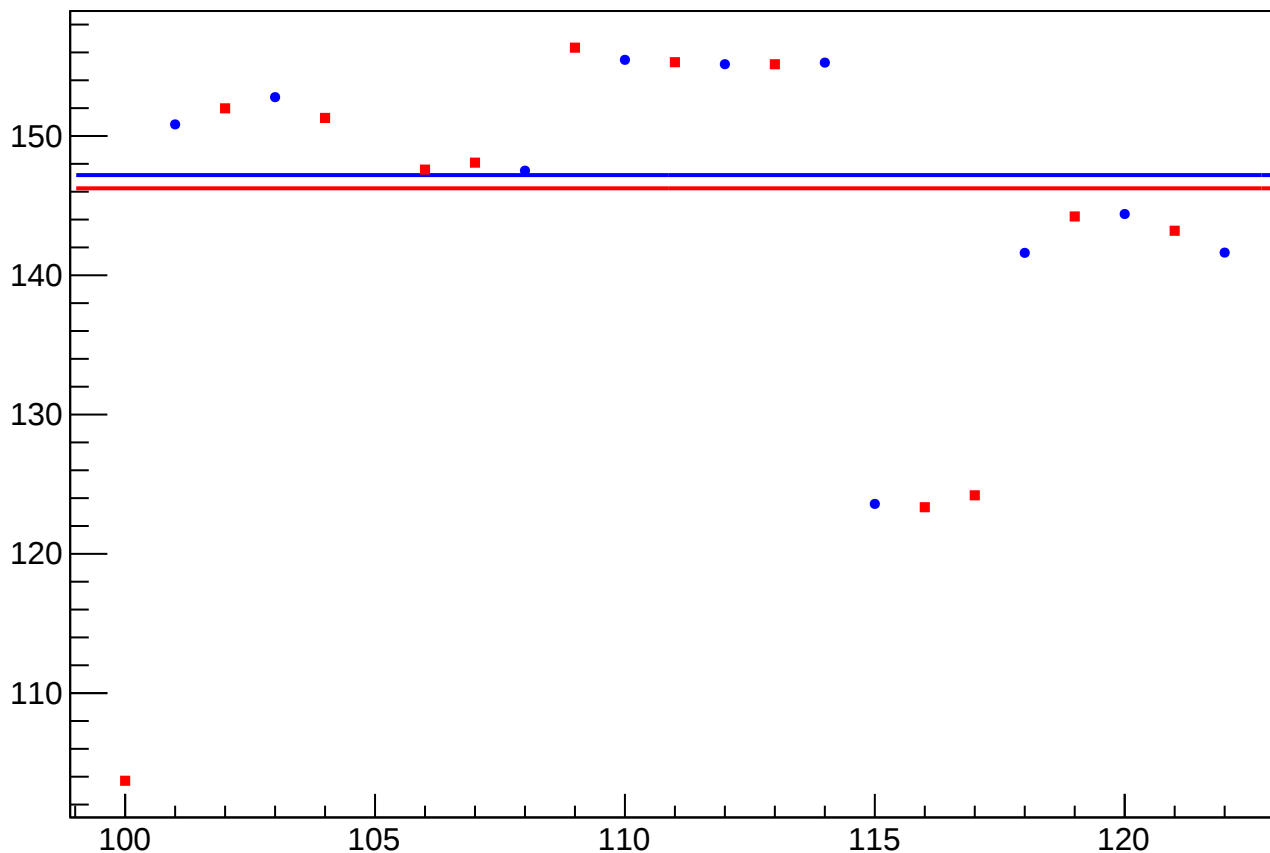
Right Out: 0.339+/-0.000  $\chi^2/\text{NDF}$ : 1056316.5/11

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

0.357+/-0.000  $\chi^2/\text{NDF}$ : 1072691.6/9

0.339+/-0.000  $\chi^2/\text{NDF}$ : 1056316.5/11

# yield\_bcm\_dg\_ds\_mean vs Slug



Right In: 147.193+/-0.000  $\chi^2/\text{NDF}$ : 1759541251.5/9

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

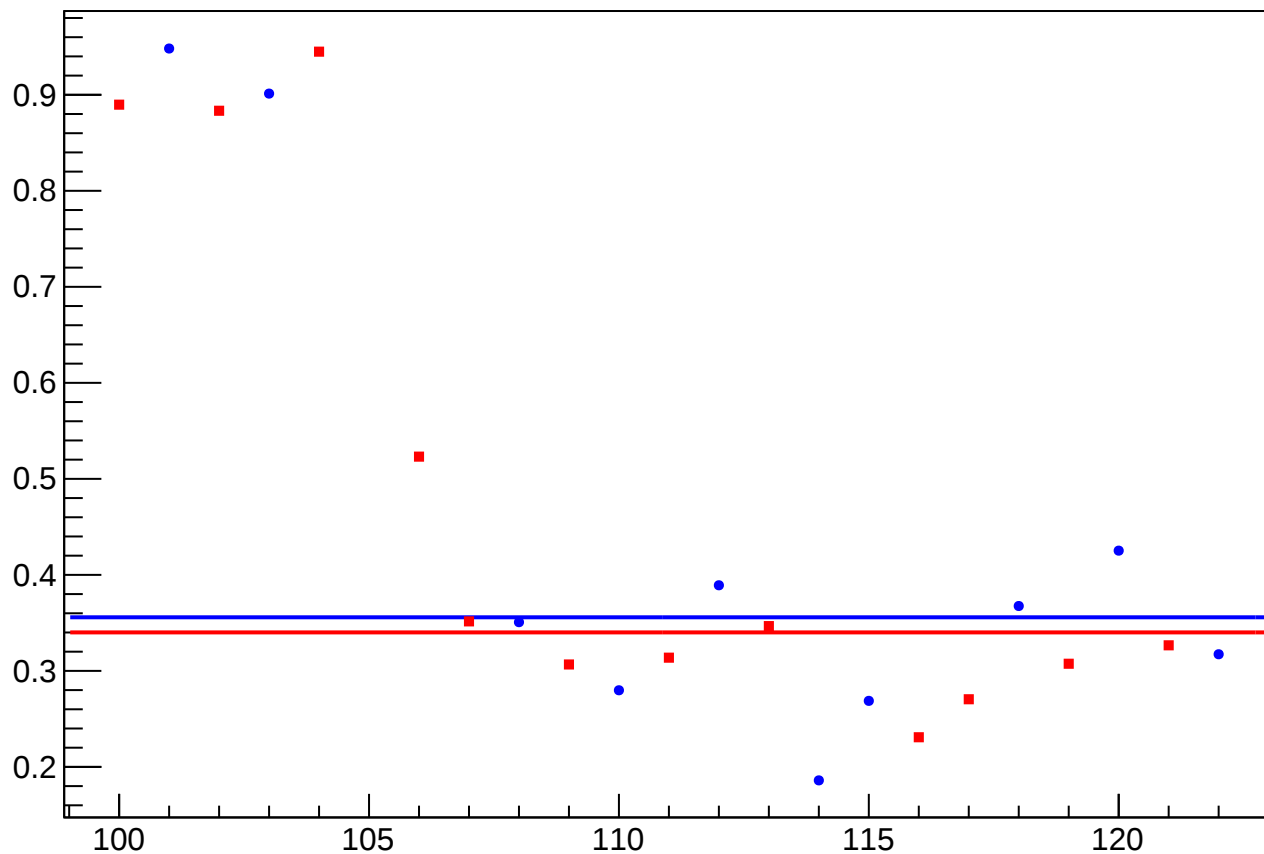
Right Out: 146.243+/-0.000  $\chi^2/\text{NDF}$ : 3800753094.4/11

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

147.193+/-0.000  $\chi^2/\text{NDF}$ : 1759541251.5/9

146.243+/-0.000  $\chi^2/\text{NDF}$ : 3800753094.4/11

# yield\_bcm\_dg\_ds\_rms vs Slug



Right In: 0.356+/-0.000  $\chi^2/\text{NDF}$ : 1103135.2/9

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

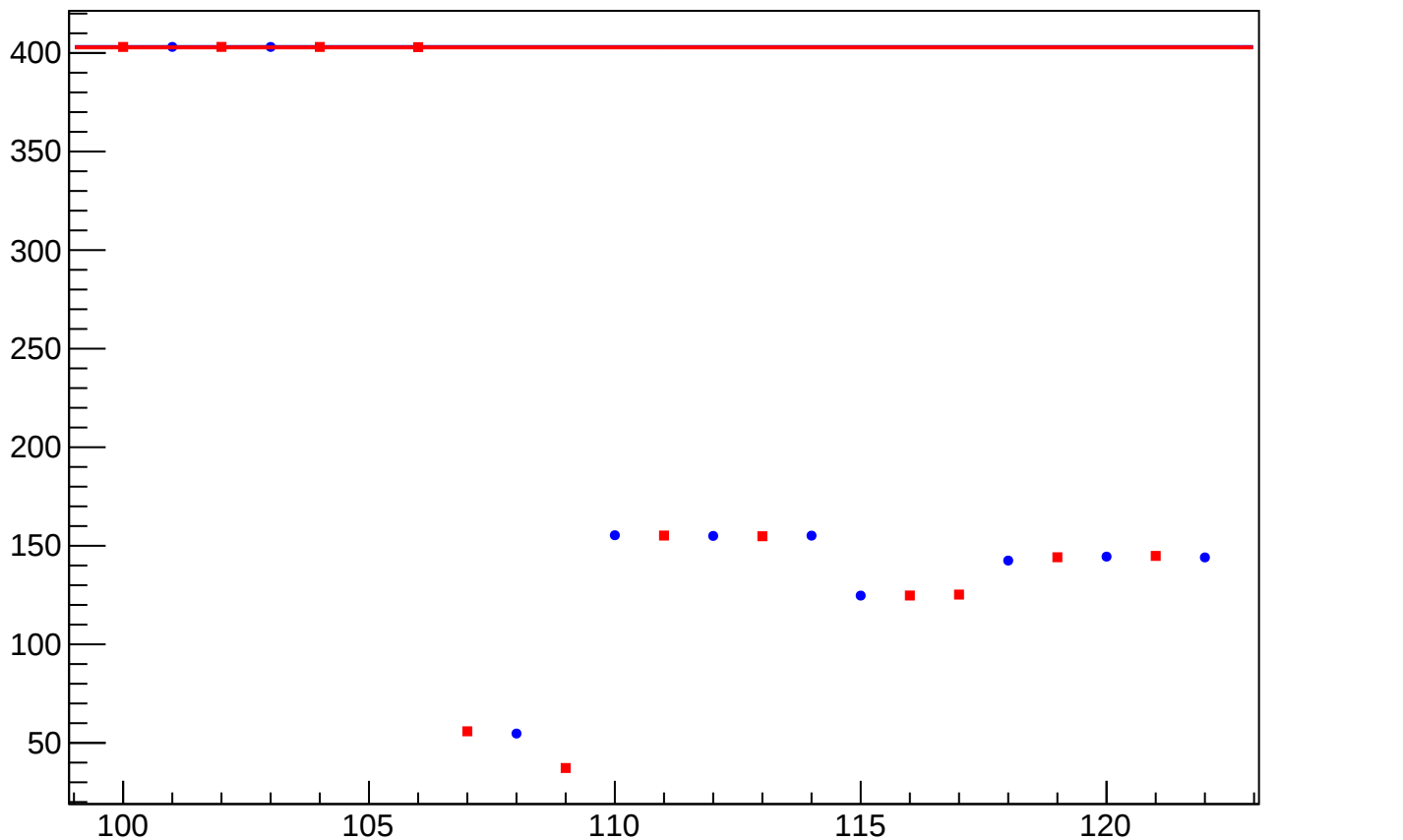
Right Out: 0.340+/-0.000  $\chi^2/\text{NDF}$ : 1040156.4/11

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

0.356+/-0.000  $\chi^2/\text{NDF}$ : 1103135.2/9

0.340+/-0.000  $\chi^2/\text{NDF}$ : 1040156.4/11

yield\_cav4bQ\_mean vs Slug



Right In: 403.033+/-0.000  $\chi^2/\text{NDF}$ : 487542911129.4/9

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

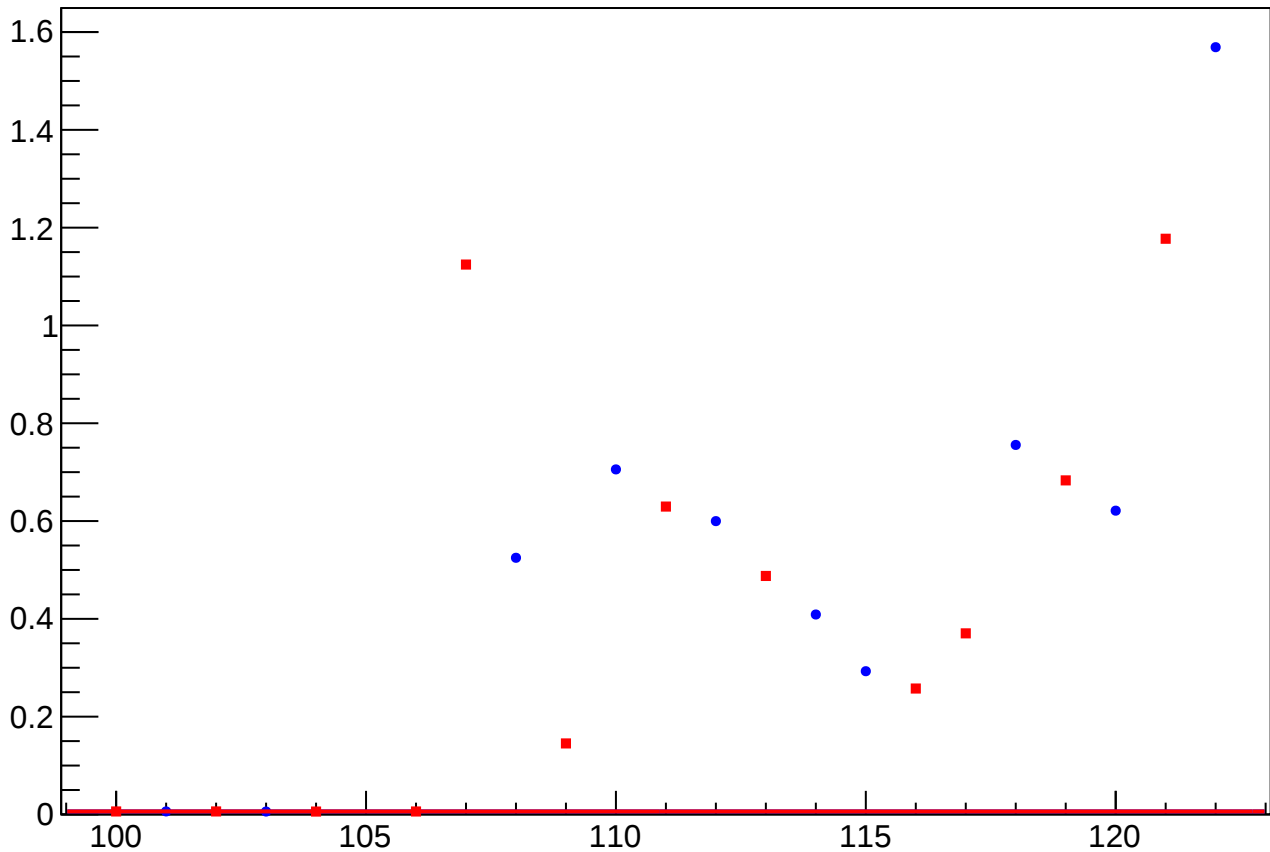
Right Out: 402.852+/-0.000  $\chi^2/\text{NDF}$ : 2617483235908.7/11

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

403.033+/-0.000  $\chi^2/\text{NDF}$ : 487542911129.4/9

402.852+/-0.000  $\chi^2/\text{NDF}$ : 2617483235908.7/11

# yield\_cav4bQ\_rms vs Slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 4379609.3/9

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

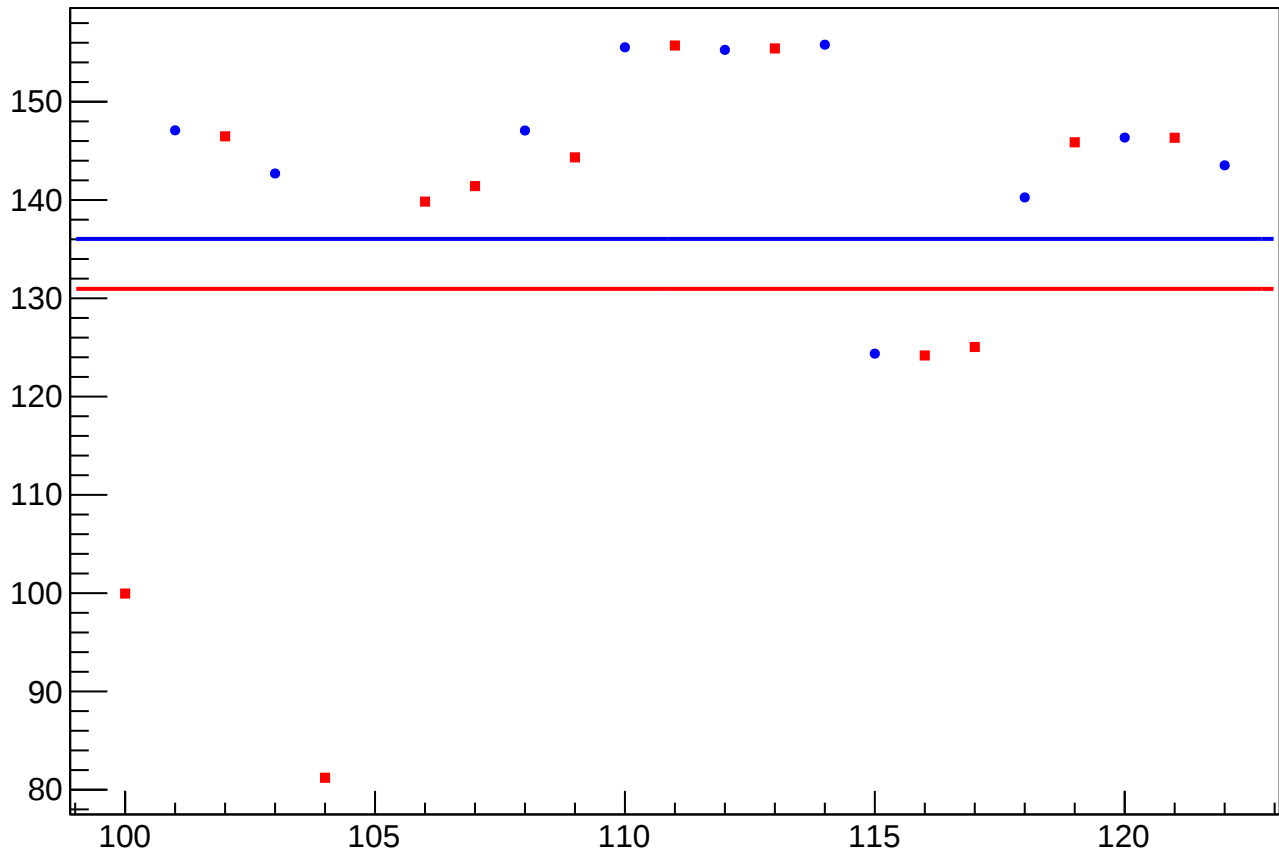
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 4506865.6/11

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

0.006+/-0.000  $\chi^2/\text{NDF}$ : 4379609.3/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 4506865.6/11

# yield\_cav4cQ\_mean vs Slug



Right In: 136.043+/-0.001  $\chi^2/\text{NDF}$ : 482072809.6/9

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

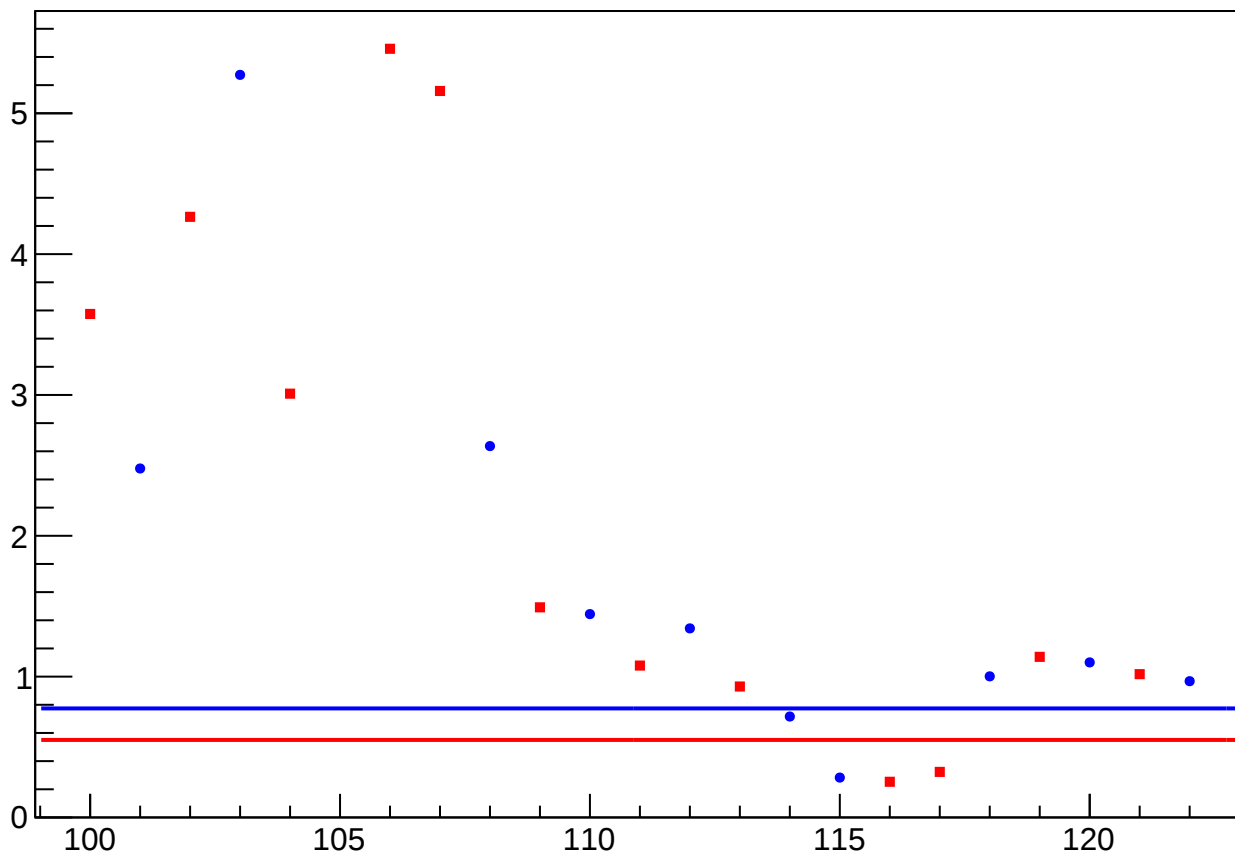
Right Out: 130.961+/-0.000  $\chi^2/\text{NDF}$ : 890000194.2/11

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

136.043+/-0.001  $\chi^2/\text{NDF}$ : 482072809.6/9

130.961+/-0.000  $\chi^2/\text{NDF}$ : 890000194.2/11

# yield\_cav4cQ\_rms vs Slug



Right In: 0.774+/-0.000  $\chi^2/\text{NDF}$ : 2765346.0/9

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

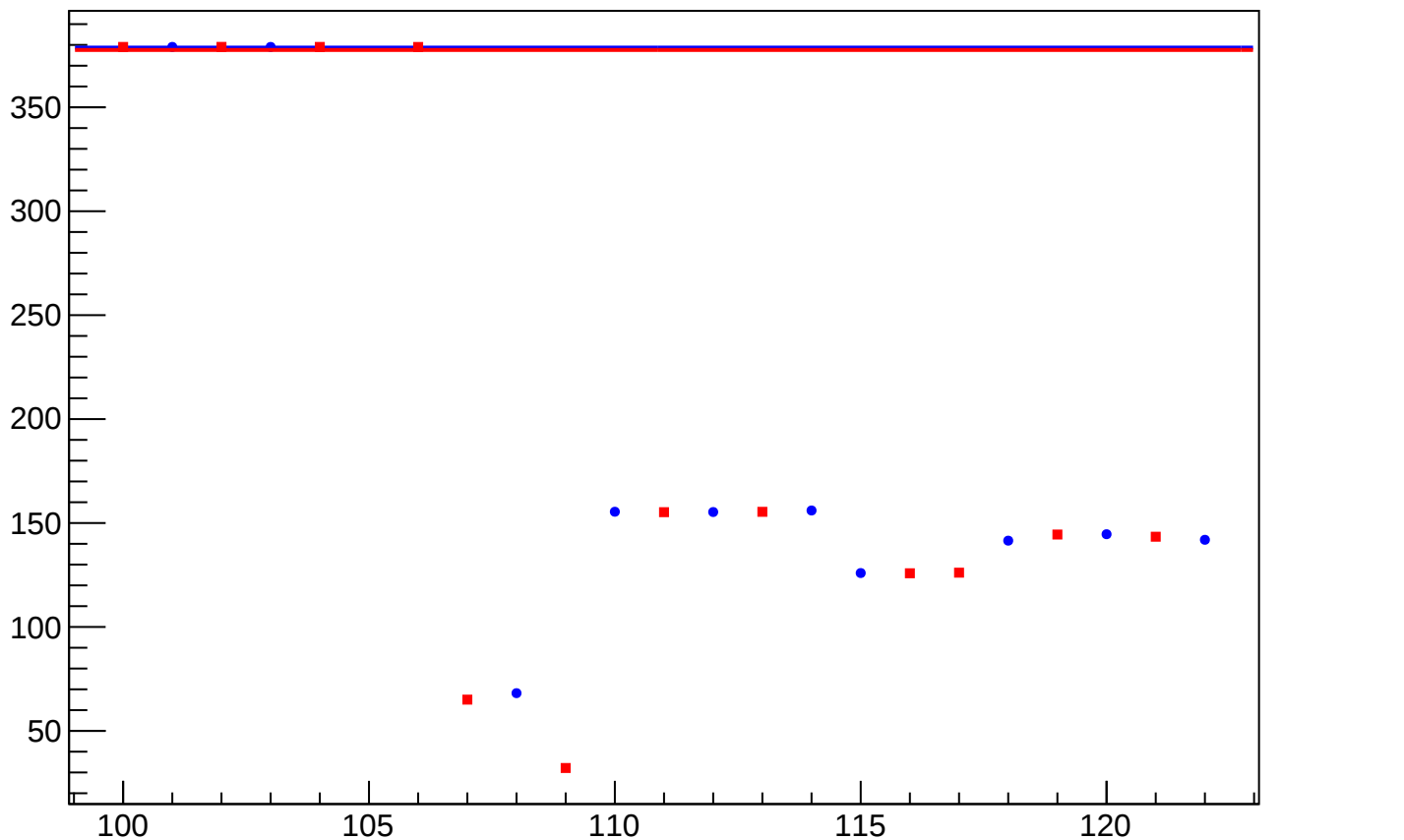
Right Out: 0.550+/-0.000  $\chi^2/\text{NDF}$ : 4066217.7/11

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

0.774+/-0.000  $\chi^2/\text{NDF}$ : 2765346.0/9

0.550+/-0.000  $\chi^2/\text{NDF}$ : 4066217.7/11

yield\_cav4dQ\_mean vs Slug



Right In: 378.702 $\pm$ 0.000  $\chi^2$ /NDF: 1190855895101.9/9

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

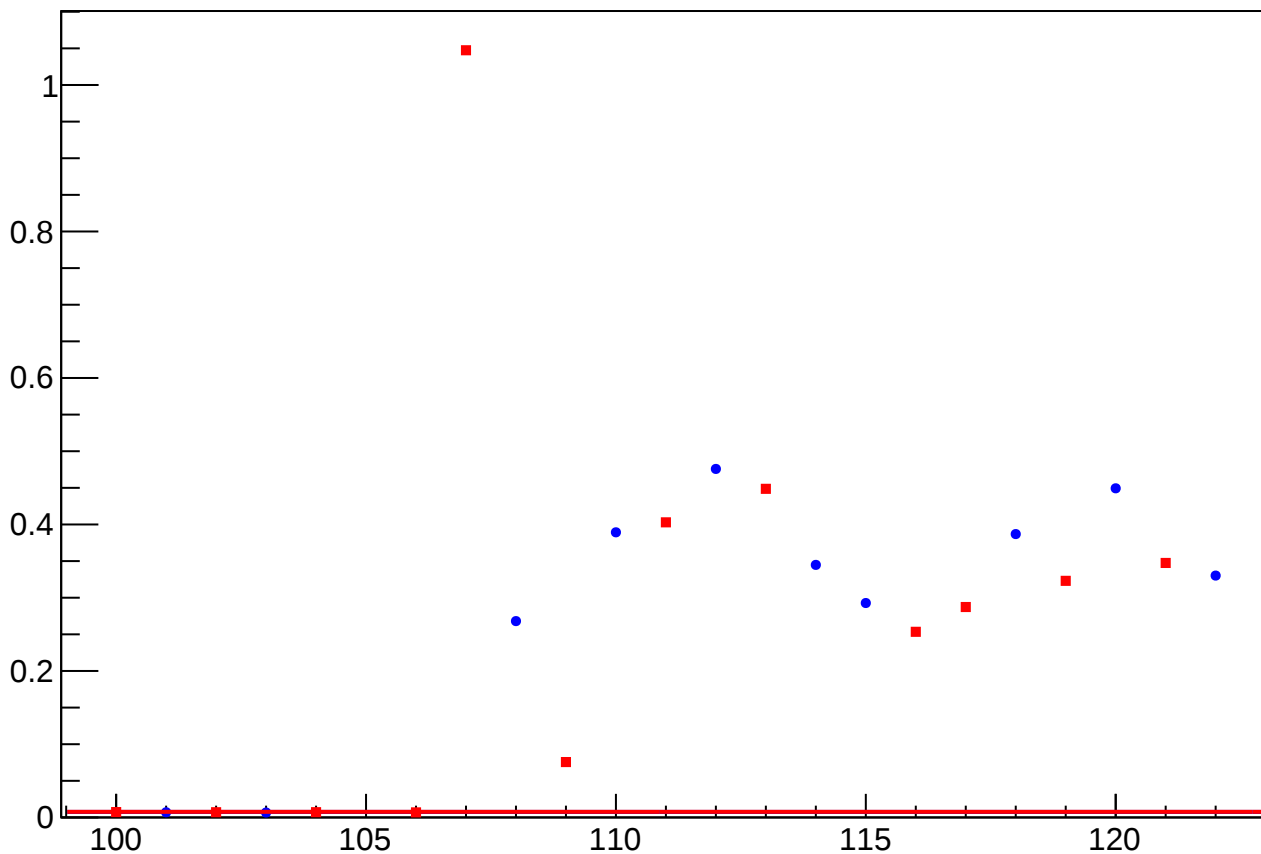
Right Out: 377.582 $\pm$ 0.000  $\chi^2$ /NDF: 7242868916681.1/11

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

378.702 $\pm$ 0.000  $\chi^2$ /NDF: 1190855895101.9/9

377.582 $\pm$ 0.000  $\chi^2$ /NDF: 7242868916681.1/11

yield\_cav4dQ\_rms vs Slug



Right In: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 4641004.4/9

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

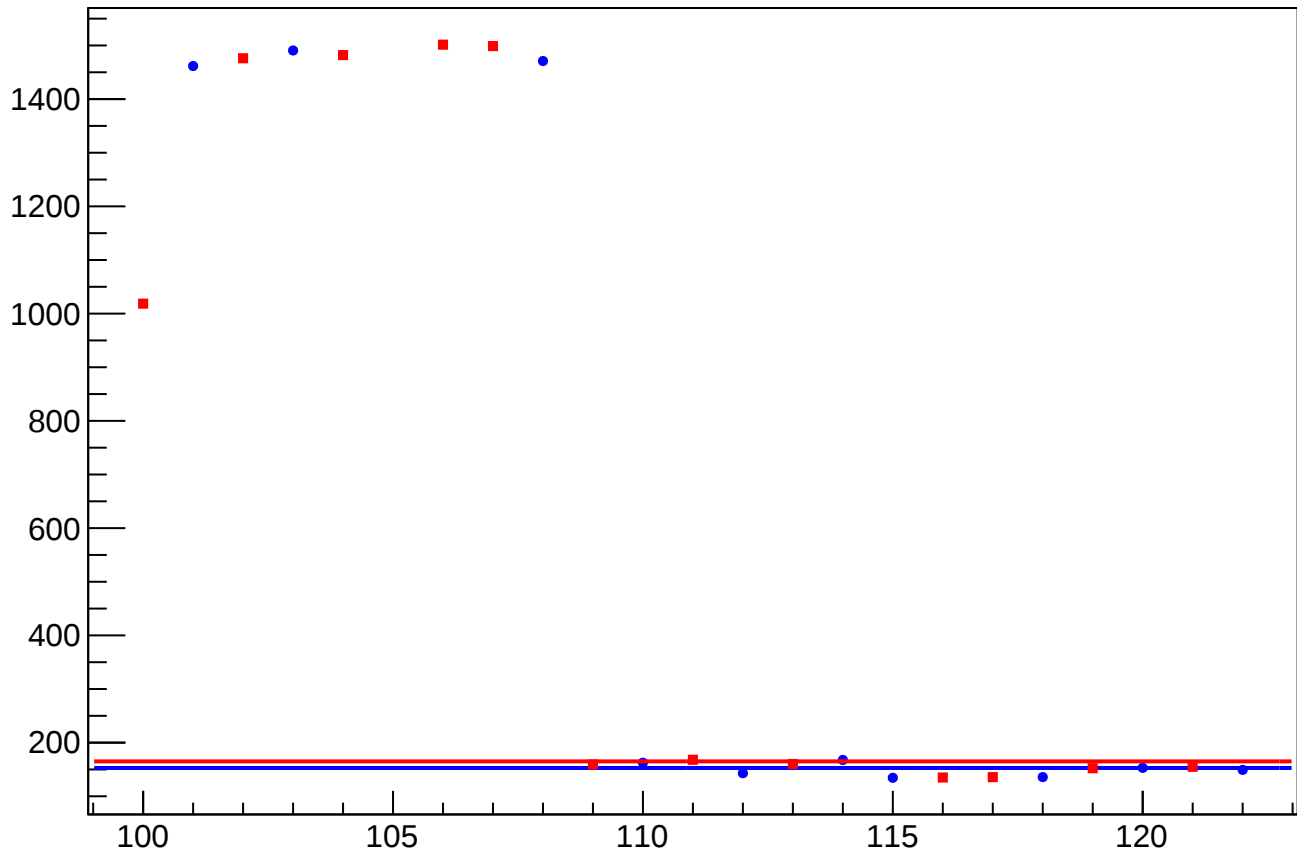
Right Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 4592677.7/11

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

0.008+/-0.000  $\chi^2/\text{NDF}$ : 4641004.4/9

0.008+/-0.000  $\chi^2/\text{NDF}$ : 4592677.7/11

yield\_bcm0l02\_mean vs Slug



Right In: 152.782 $\pm$ 0.001  $\chi^2$ /NDF: 24062105490.2/9

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

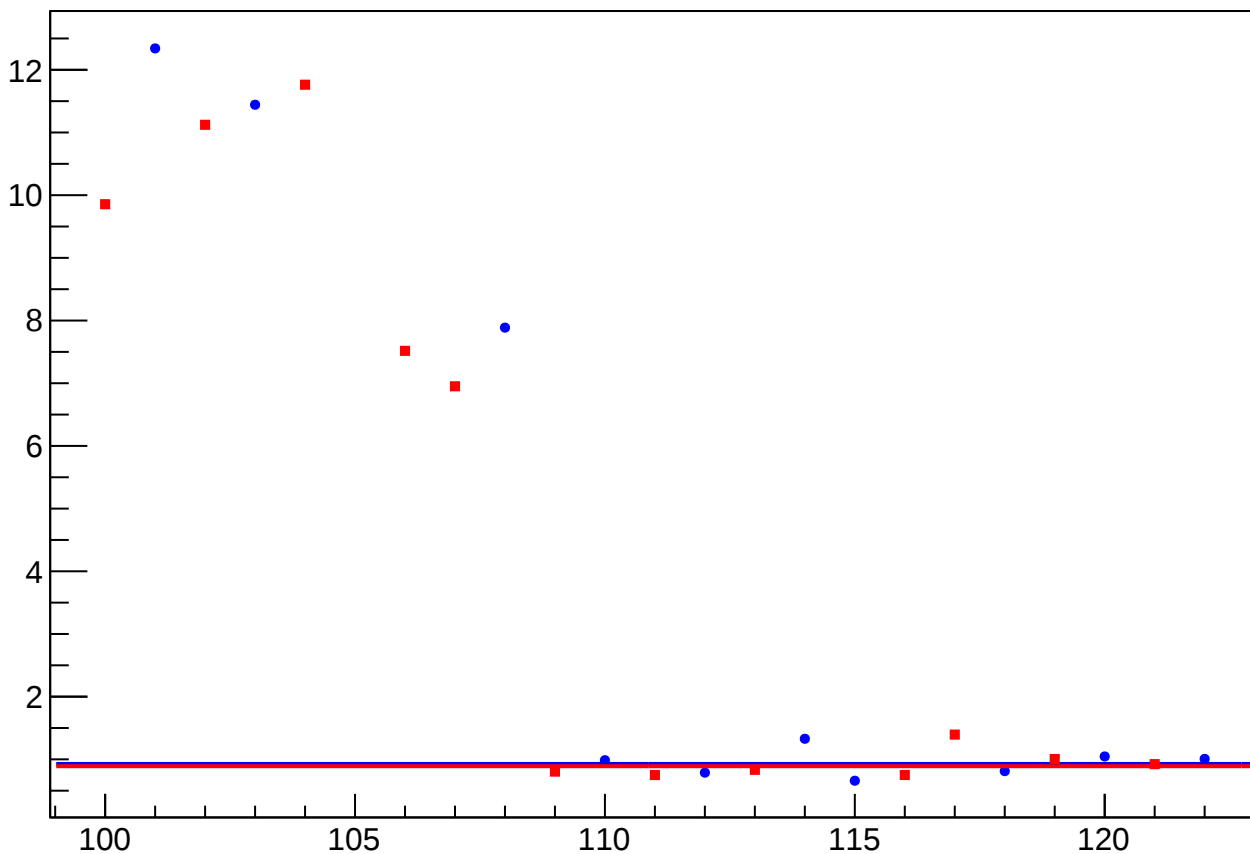
Right Out: 165.088 $\pm$ 0.001  $\chi^2$ /NDF: 32844873399.1/11

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

152.782 $\pm$ 0.001  $\chi^2$ /NDF: 24062105490.2/9

165.088 $\pm$ 0.001  $\chi^2$ /NDF: 32844873399.1/11

# yield\_bcm0l02\_rms vs Slug



Right In: 0.926+/-0.000  $\chi^2/\text{NDF}$ : 2541421.2/9

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

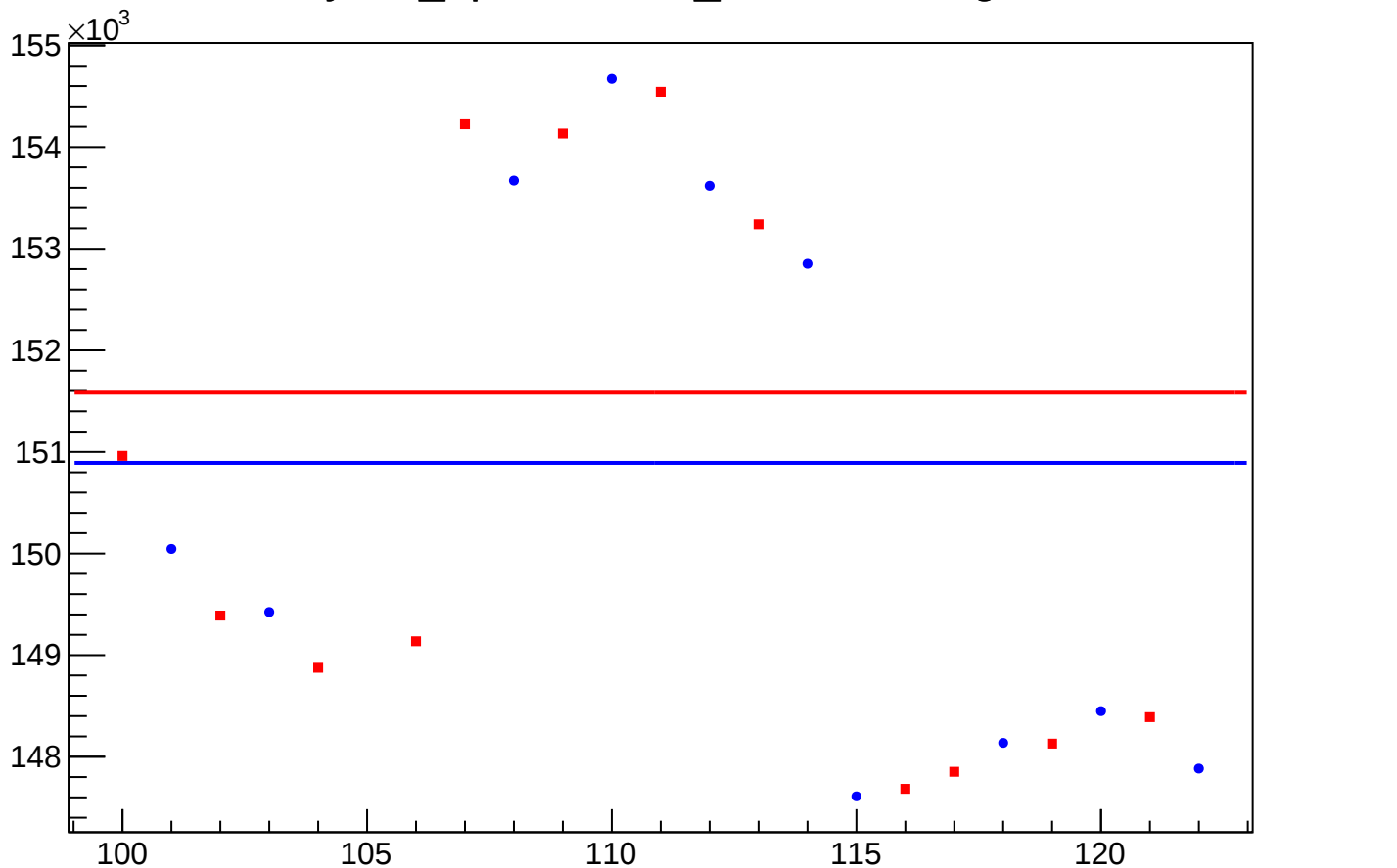
Right Out: 0.890+/-0.000  $\chi^2/\text{NDF}$ : 2690133.1/11

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

0.926+/-0.000  $\chi^2/\text{NDF}$ : 2541421.2/9

0.890+/-0.000  $\chi^2/\text{NDF}$ : 2690133.1/11

yield\_bpm0i01WS\_mean vs Slug



Right In: 150892.723 $\pm$ 0.079  $\chi^2/\text{NDF}$ : 1309842263.2/9

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

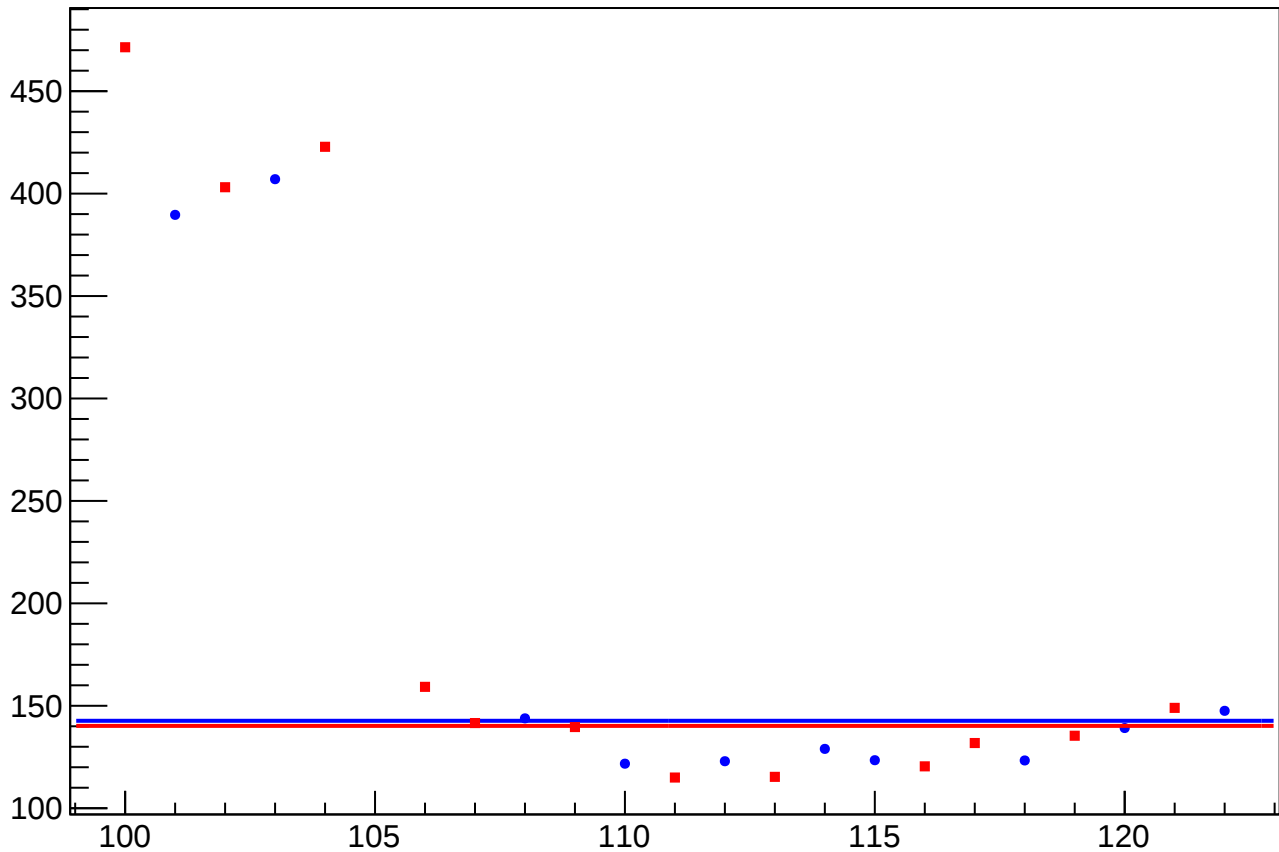
150892.723 $\pm$ 0.079  $\chi^2/\text{NDF}$ : 1309842263.2/9

Right Out: 151583.173 $\pm$ 0.074  $\chi^2/\text{NDF}$ : 1508934164.7/11

151583.173 $\pm$ 0.074  $\chi^2/\text{NDF}$ : 1508934164.7/11

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

# yield\_bpm0i01WS\_rms vs Slug



Right In: 142.677 $\pm$ 0.056  $\chi^2$ /NDF: 1024758.3/9

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

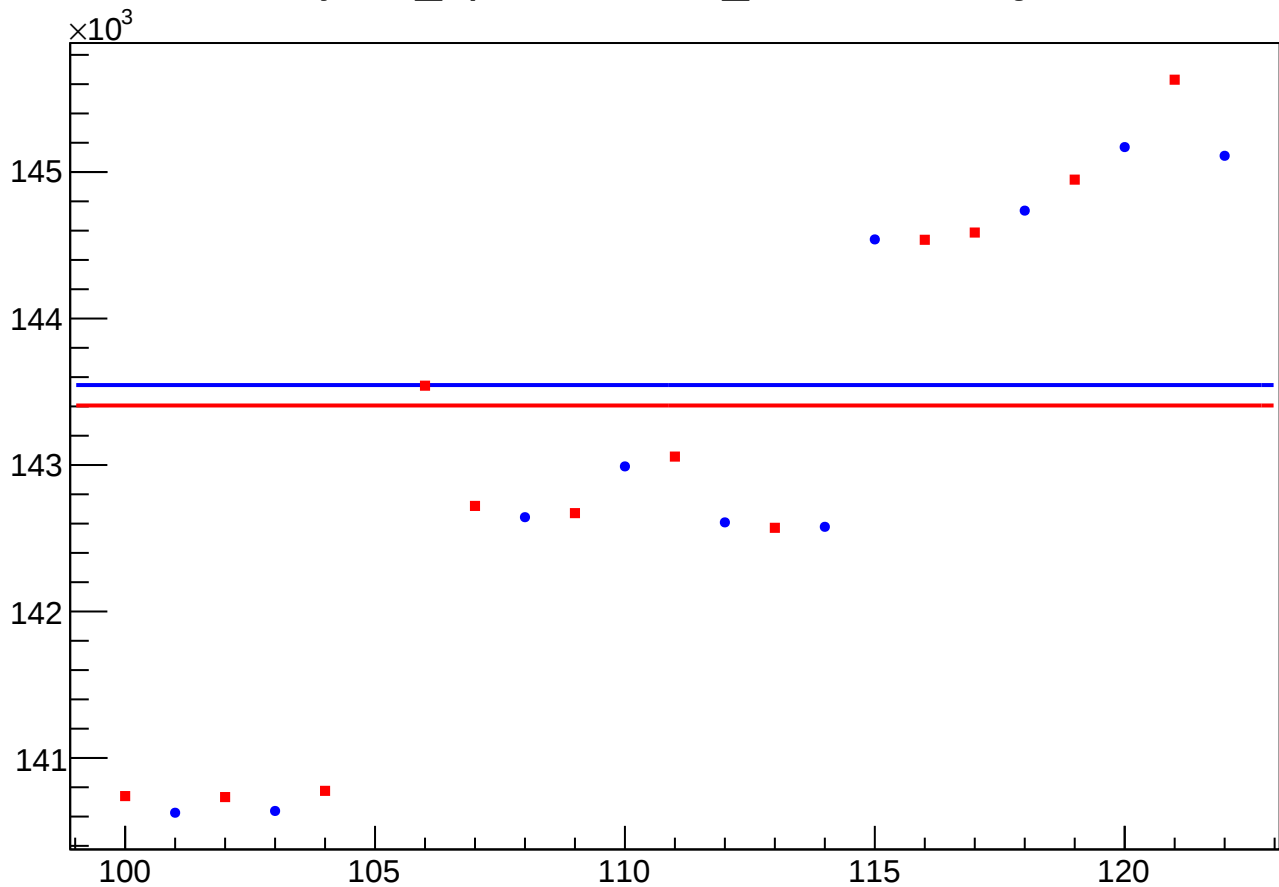
142.677 $\pm$ 0.056  $\chi^2$ /NDF: 1024758.3/9

Right Out: 140.191 $\pm$ 0.052  $\chi^2$ /NDF: 1075884.7/11

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

140.191 $\pm$ 0.052  $\chi^2$ /NDF: 1075884.7/11

# yield\_bpm0i01aWS\_mean vs Slug



Right In: 143545.828 $\pm$ 0.065  $\chi^2$ /NDF: 343847199.9/9

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

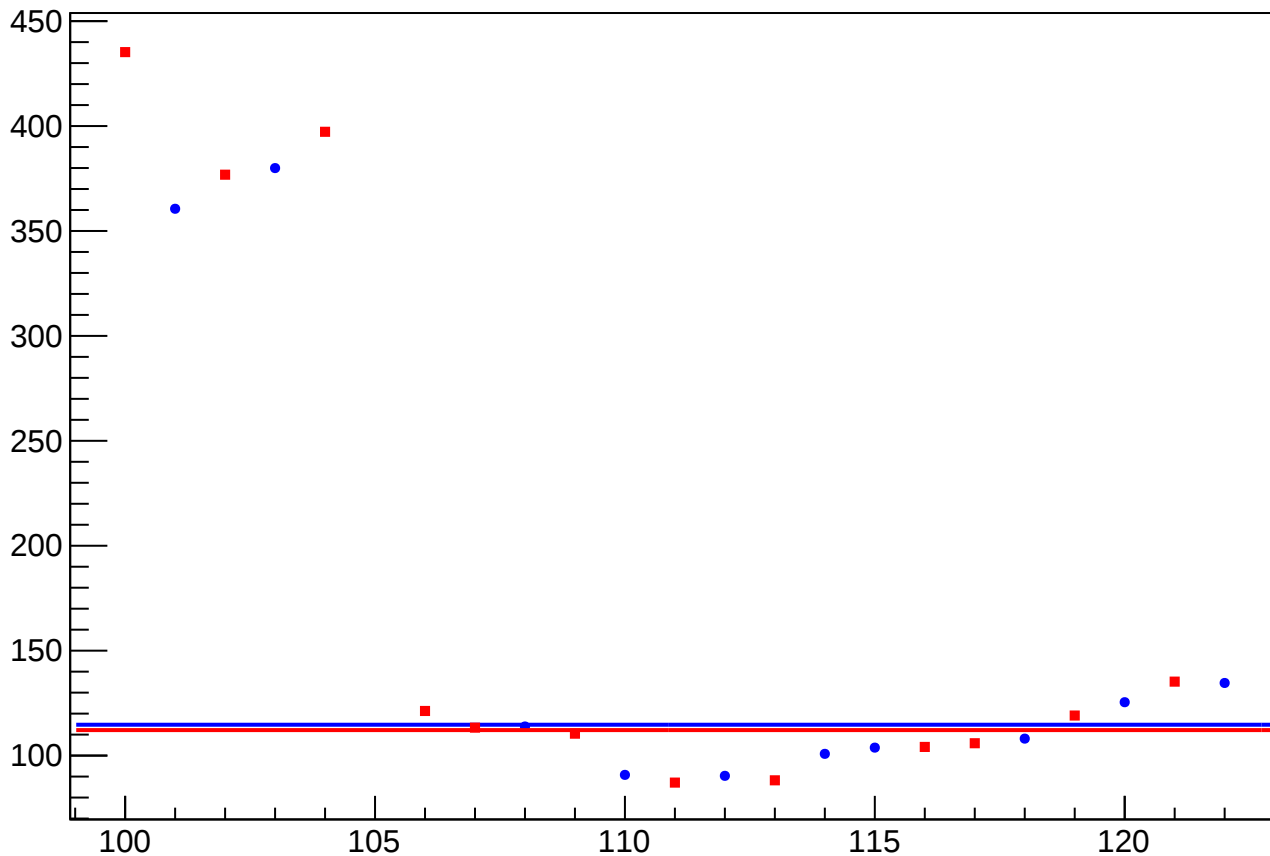
Right Out: 143406.366 $\pm$ 0.059  $\chi^2$ /NDF: 352383514.8/11

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

143545.828 $\pm$ 0.065  $\chi^2$ /NDF: 343847199.9/9

143406.366 $\pm$ 0.059  $\chi^2$ /NDF: 352383514.8/11

# yield\_bpm0i01aWS\_rms vs Slug



Right In: 114.705+/-0.046  $\chi^2/\text{NDF}$ : 1237561.0/9

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

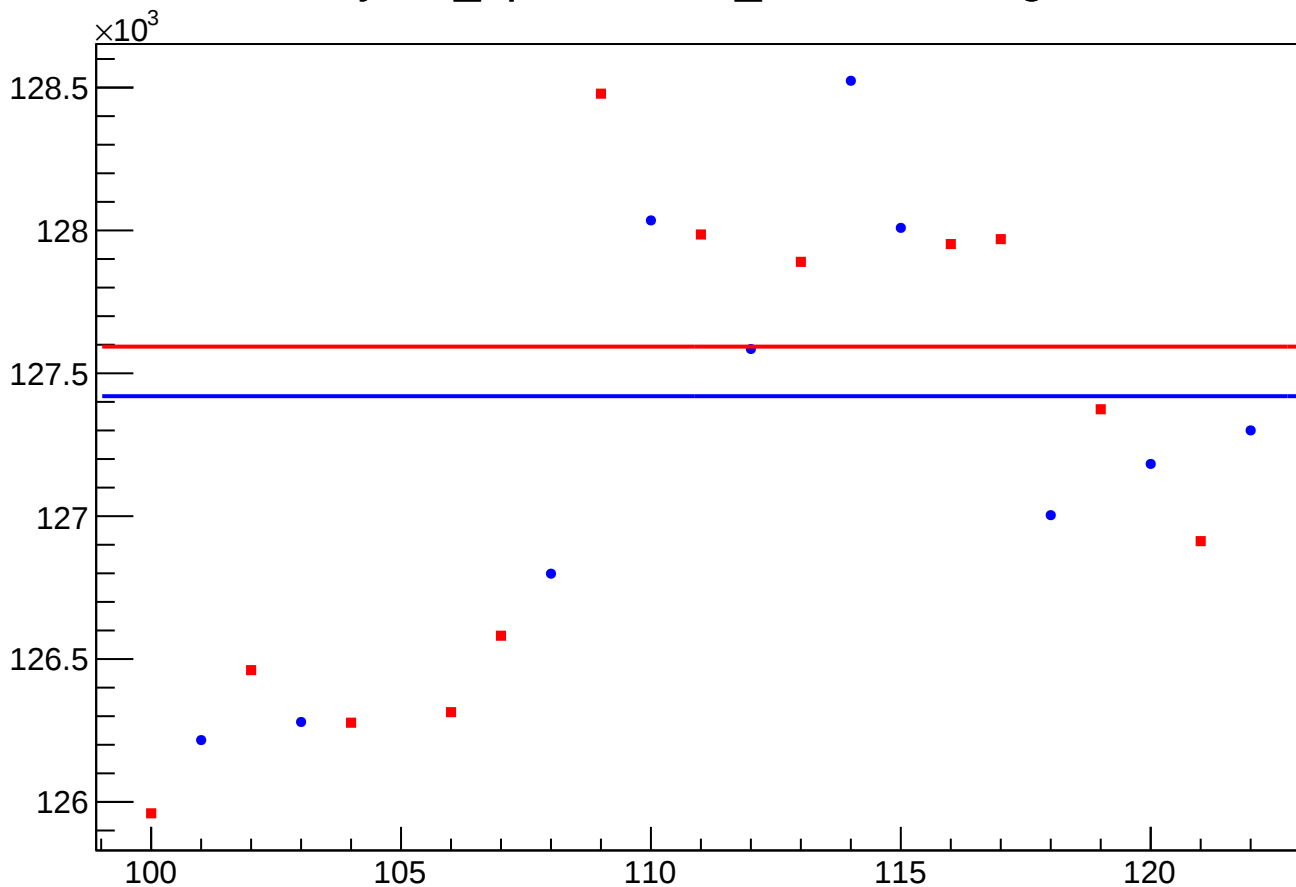
Right Out: 112.148+/-0.042  $\chi^2/\text{NDF}$ : 1286646.6/11

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

114.705+/-0.046  $\chi^2/\text{NDF}$ : 1237561.0/9

112.148+/-0.042  $\chi^2/\text{NDF}$ : 1286646.6/11

# yield\_bpm0l01WS\_mean vs Slug



Right In: 127419.925 $\pm$ 0.079  $\chi^2$ /NDF: 56146426.1/9

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

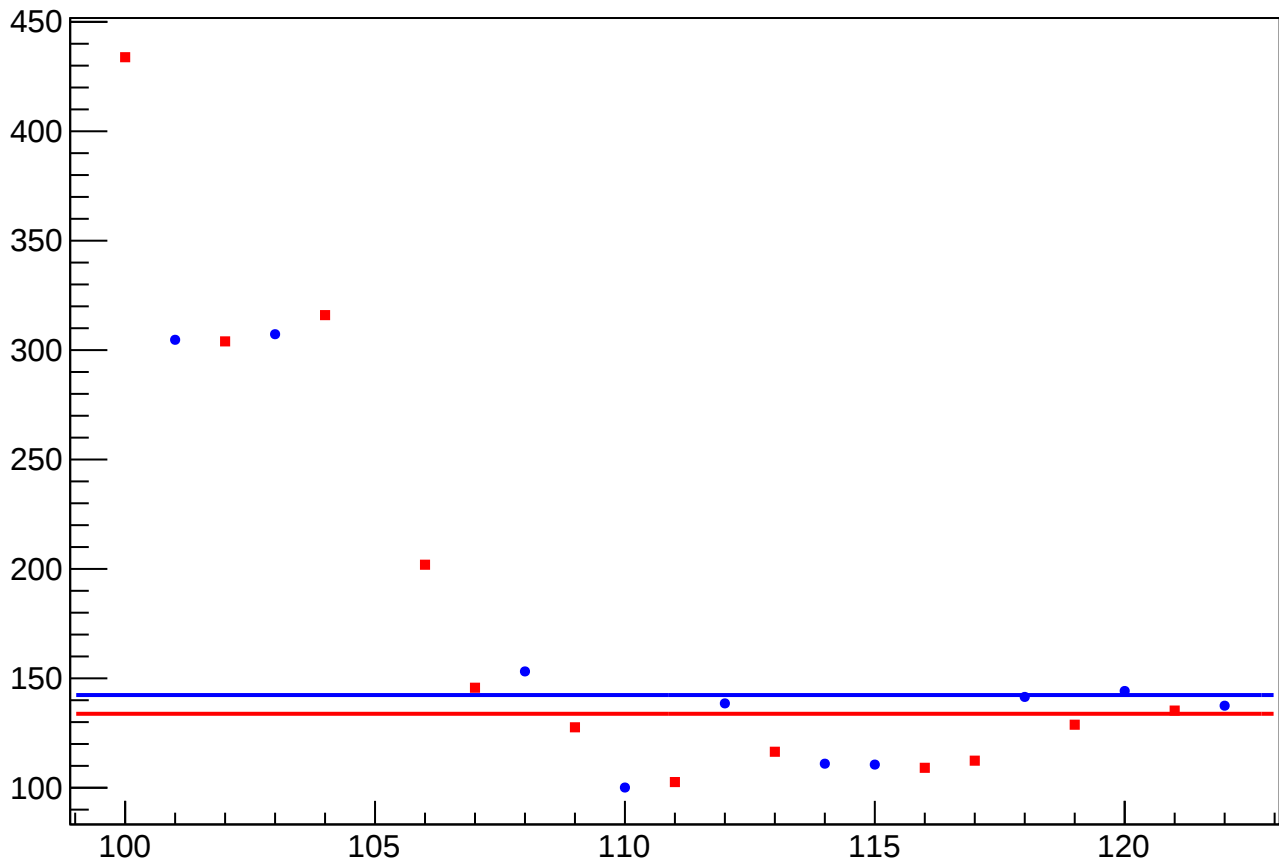
127419.925 $\pm$ 0.079  $\chi^2$ /NDF: 56146426.1/9

Right Out: 127593.456 $\pm$ 0.069  $\chi^2$ /NDF: 90442673.9/11

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

127593.456 $\pm$ 0.069  $\chi^2$ /NDF: 90442673.9/11

# yield\_bpm0l01WS\_rms vs Slug



Right In: 142.366+/-0.056  $\chi^2/\text{NDF}$ : 821212.2/9

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

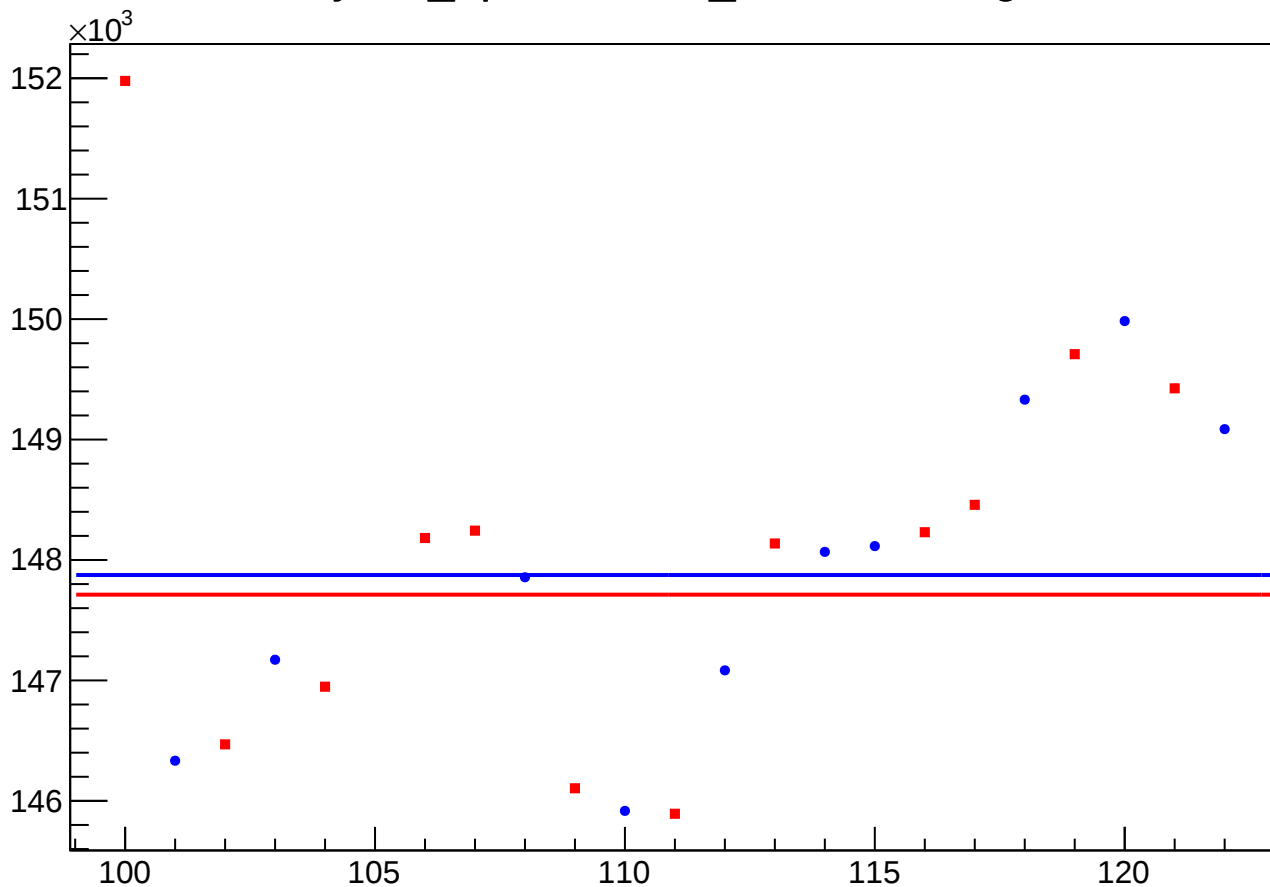
142.366+/-0.056  $\chi^2/\text{NDF}$ : 821212.2/9

Right Out: 133.800+/-0.049  $\chi^2/\text{NDF}$ : 926106.4/11

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

133.800+/-0.049  $\chi^2/\text{NDF}$ : 926106.4/11

# yield\_bpm0l02WS\_mean vs Slug



Right In: 147875.226 $\pm$ 0.120  $\chi^2$ /NDF: 97286481.9/9

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

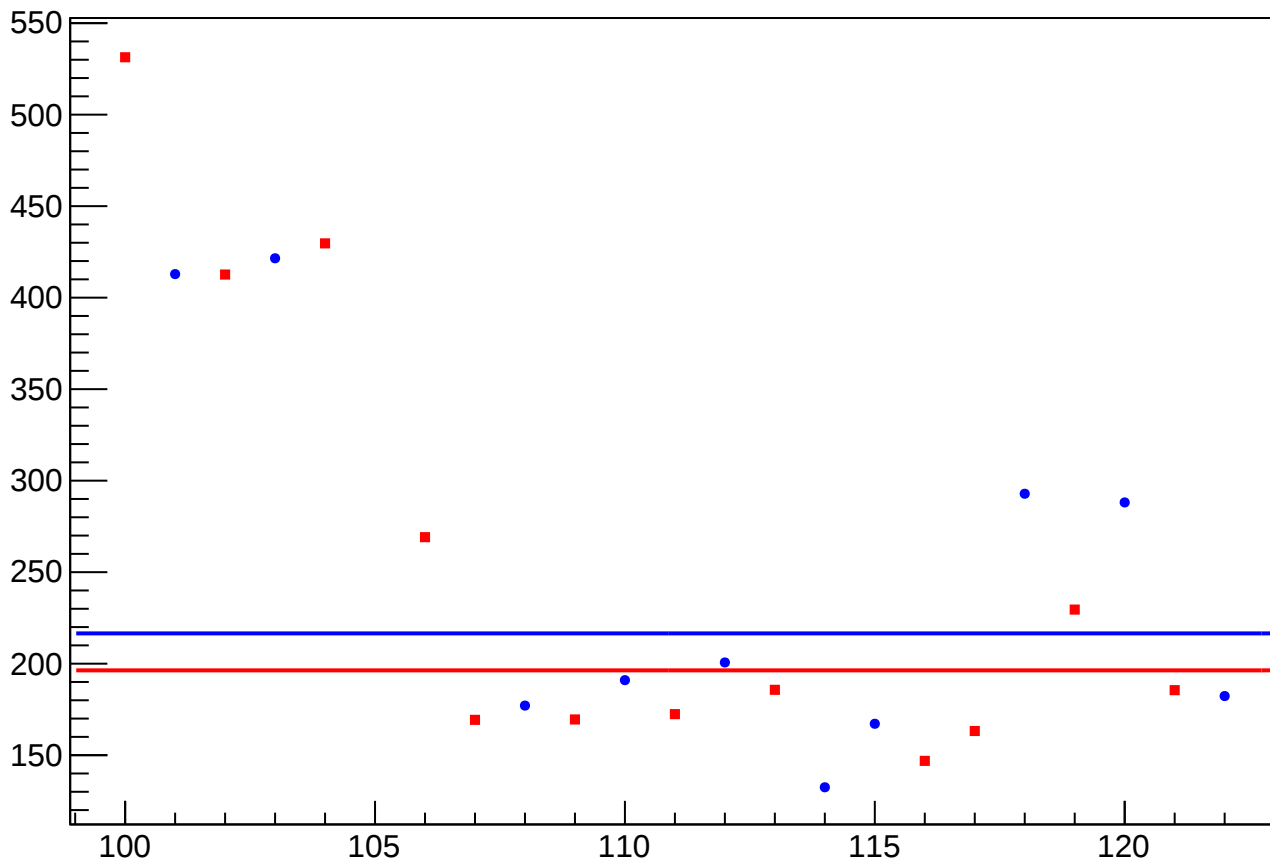
Right Out: 147712.074 $\pm$ 0.102  $\chi^2$ /NDF: 180178750.3/11

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

147875.226 $\pm$ 0.120  $\chi^2$ /NDF: 97286481.9/9

147712.074 $\pm$ 0.102  $\chi^2$ /NDF: 180178750.3/11

# yield\_bpm0l02WS\_rms vs Slug



Right In: 216.545+/-0.085  $\chi^2/\text{NDF}$ : 831805.8/9

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

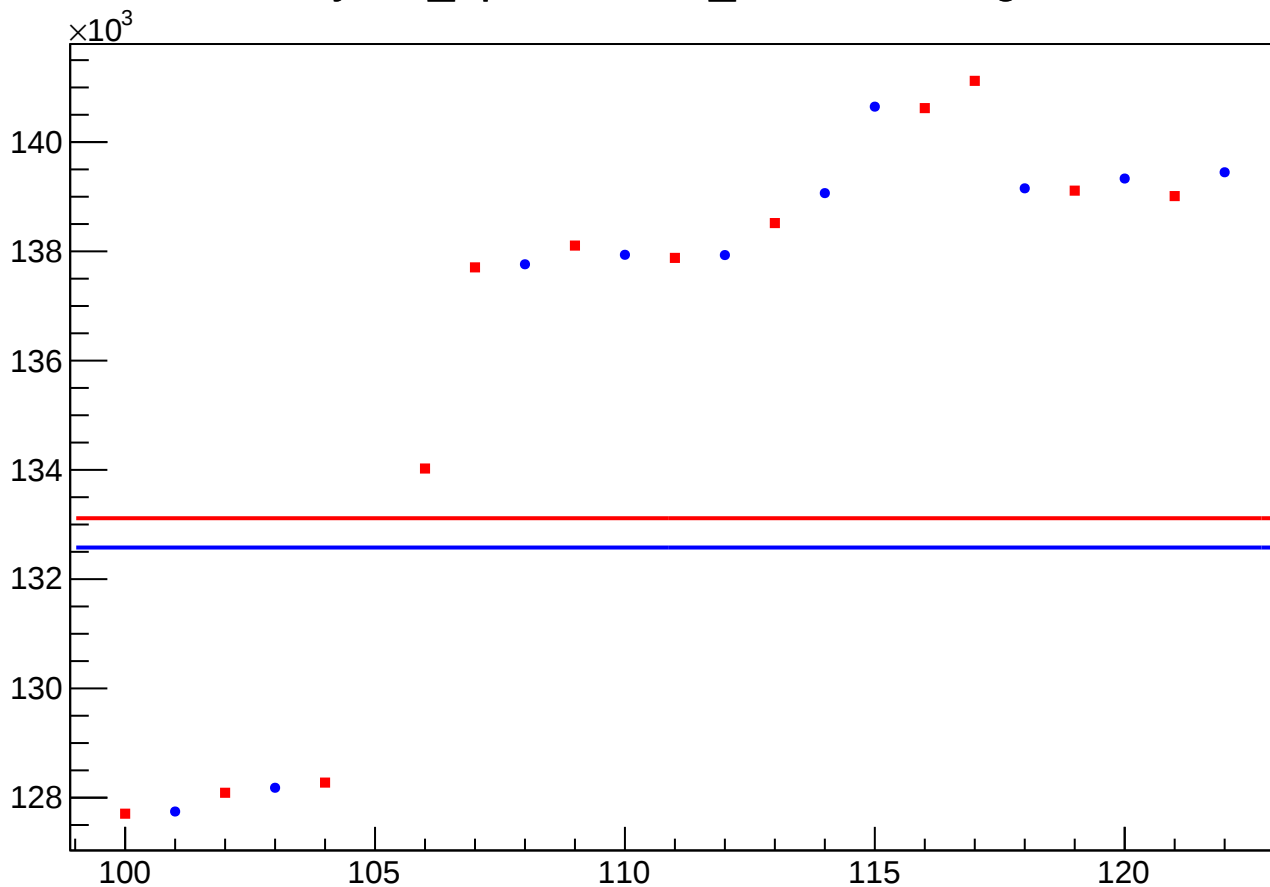
Right Out: 196.351+/-0.072  $\chi^2/\text{NDF}$ : 819413.2/11

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

216.545+/-0.085  $\chi^2/\text{NDF}$ : 831805.8/9

196.351+/-0.072  $\chi^2/\text{NDF}$ : 819413.2/11

# yield\_bpm0l03WS\_mean vs Slug



Right In: 132578.899 $\pm$ 0.221  $\chi^2$ /NDF: 576197052.0/9

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

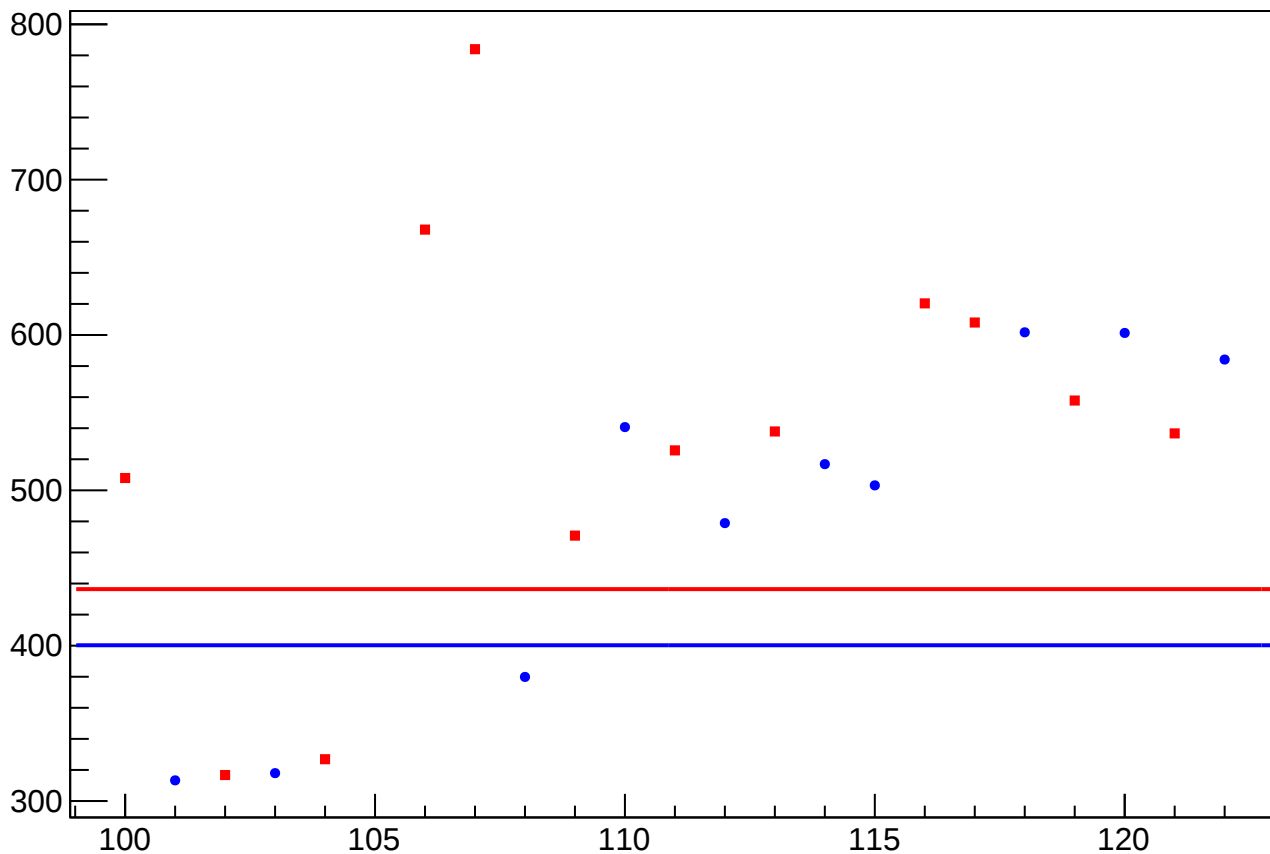
132578.899 $\pm$ 0.221  $\chi^2$ /NDF: 576197052.0/9

Right Out: 133115.259 $\pm$ 0.223  $\chi^2$ /NDF: 533804982.5/11

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

133115.259 $\pm$ 0.223  $\chi^2$ /NDF: 533804982.5/11

# yield\_bpm0l03WS\_rms vs Slug



Right In: 400.267+/-0.156  $\chi^2/\text{NDF}$ : 497962.9/9

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

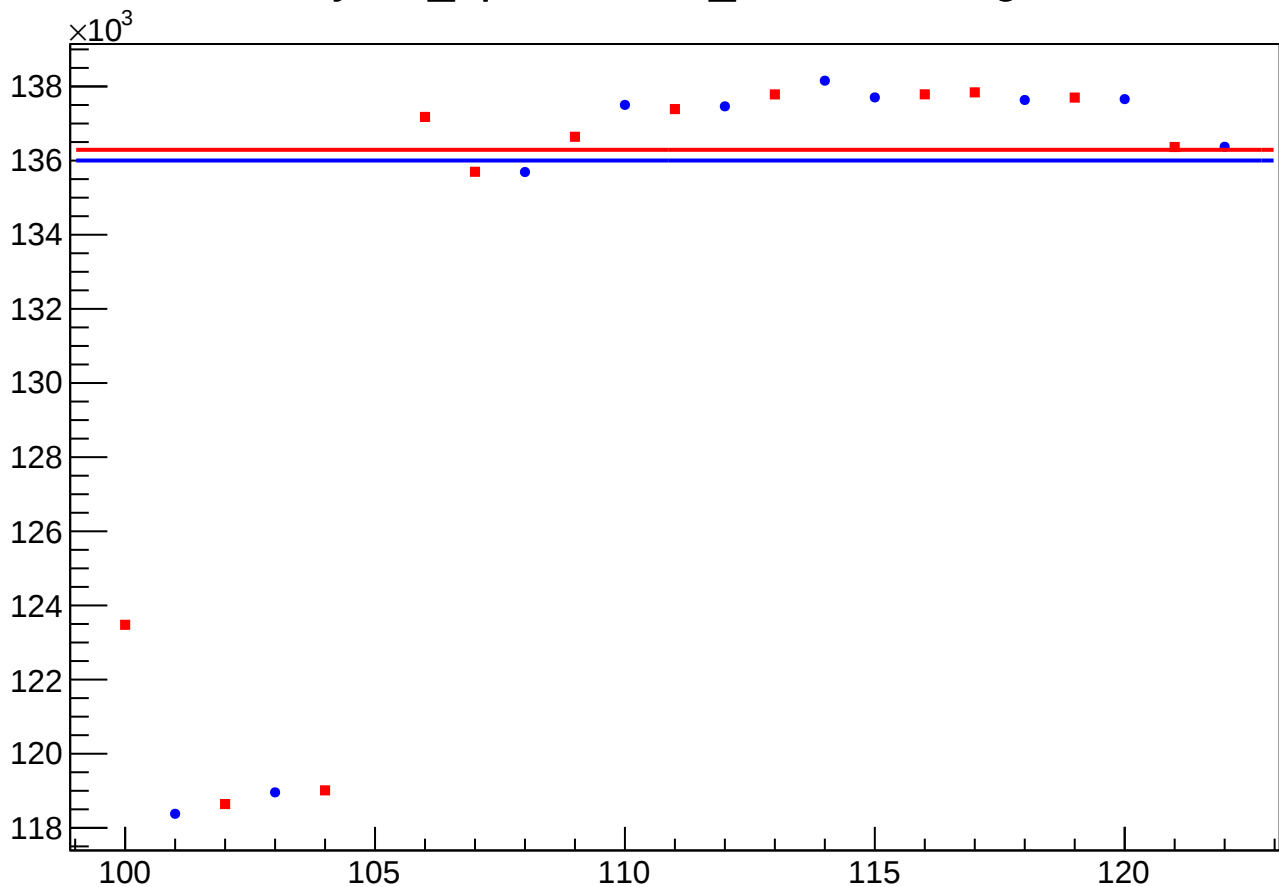
Right Out: 436.402+/-0.158  $\chi^2/\text{NDF}$ : 639866.0/11

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

400.267+/-0.156  $\chi^2/\text{NDF}$ : 497962.9/9

436.402+/-0.158  $\chi^2/\text{NDF}$ : 639866.0/11

# yield\_bpm0l04WS\_mean vs Slug



Right In: 136002.329 $\pm$ 0.082  $\chi^2$ /NDF: 3402217302.2/9

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

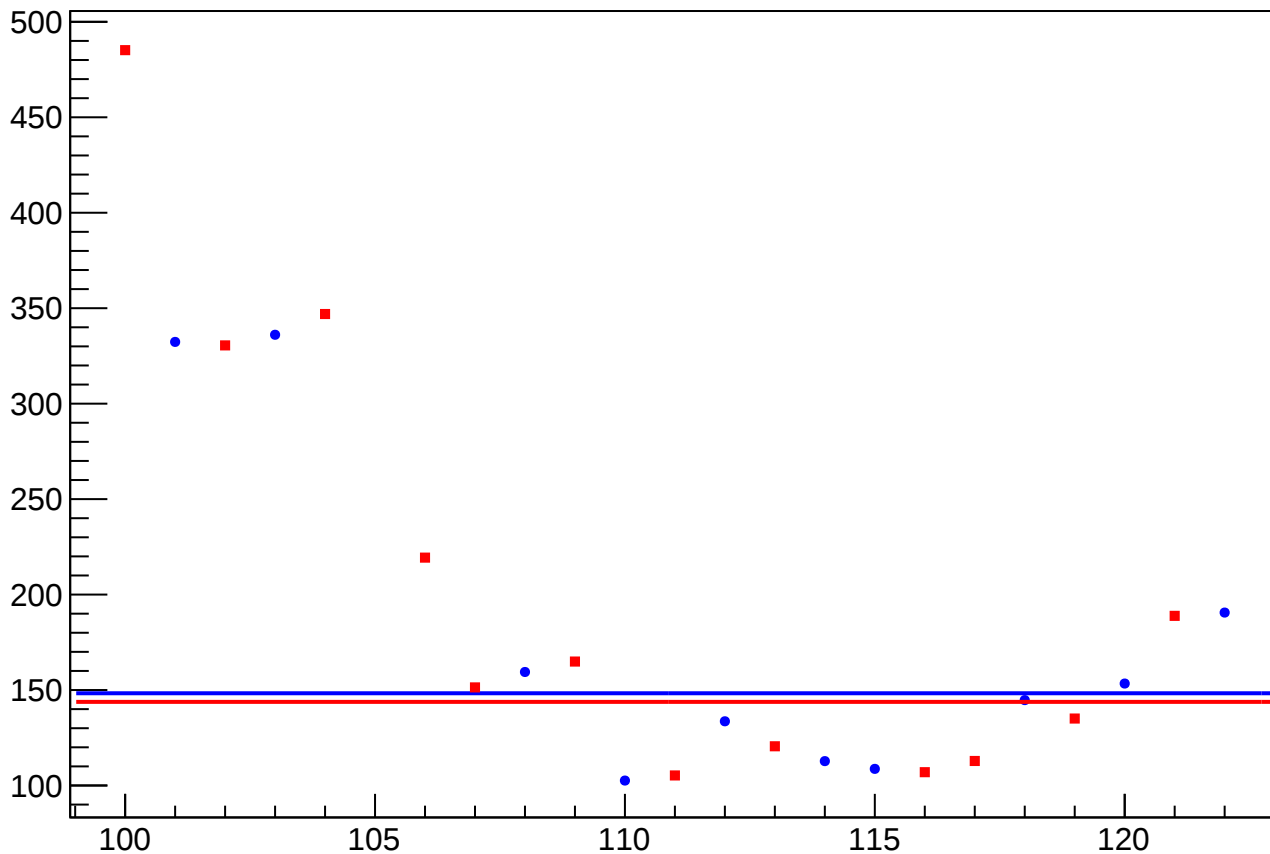
136002.329 $\pm$ 0.082  $\chi^2$ /NDF: 3402217302.2/9

Right Out: 136290.709 $\pm$ 0.075  $\chi^2$ /NDF: 3056732353.6/11

136290.709 $\pm$ 0.075  $\chi^2$ /NDF: 3056732353.6/11

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

# yield\_bpm0l04WS\_rms vs Slug



Right In: 148.311+/-0.058  $\chi^2/\text{NDF}$ : 953825.0/9

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

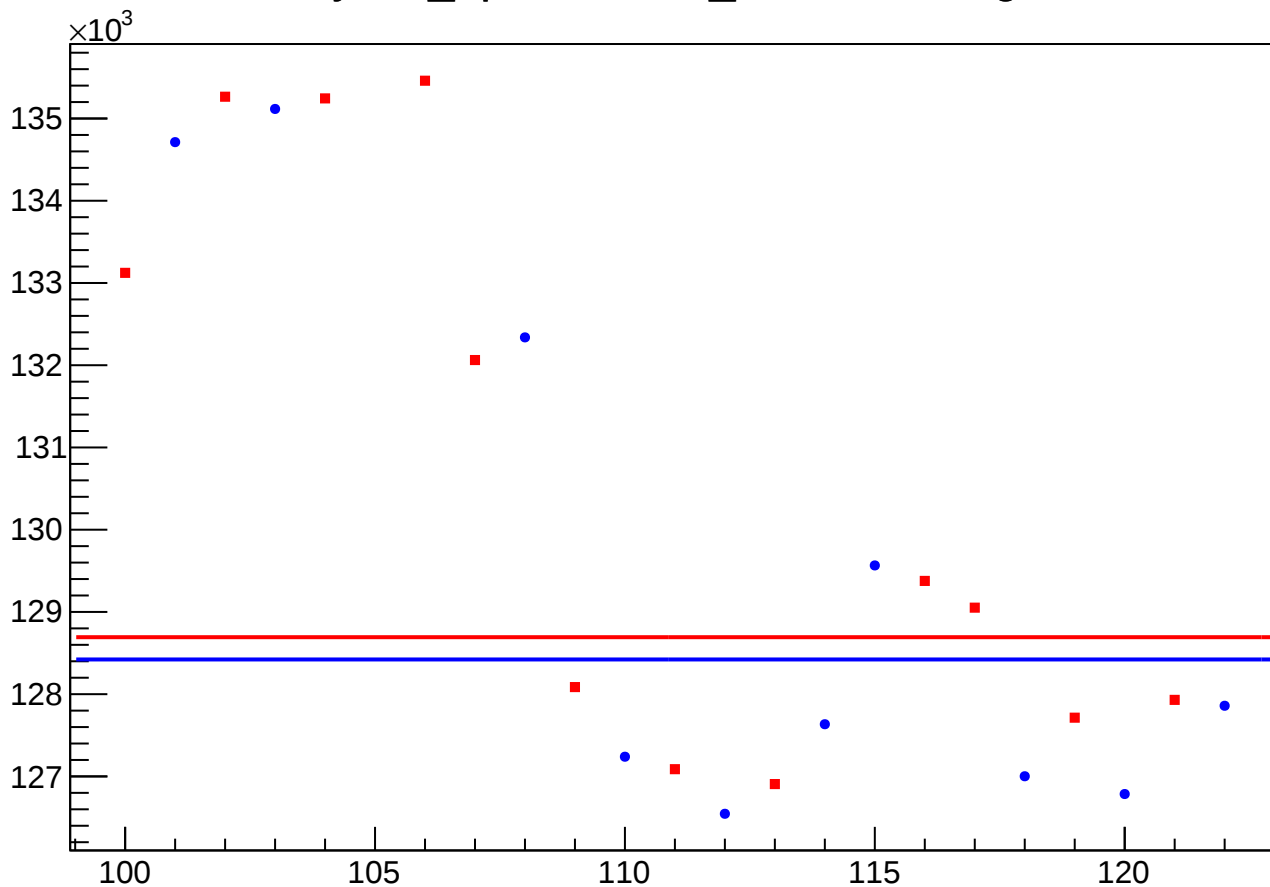
Right Out: 143.799+/-0.053  $\chi^2/\text{NDF}$ : 1088777.0/11

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

148.311+/-0.058  $\chi^2/\text{NDF}$ : 953825.0/9

143.799+/-0.053  $\chi^2/\text{NDF}$ : 1088777.0/11

# yield\_bpm0l05WS\_mean vs Slug



Right In: 128422.077 $\pm$ 0.092  $\chi^2$ /NDF: 731954839.2/9

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

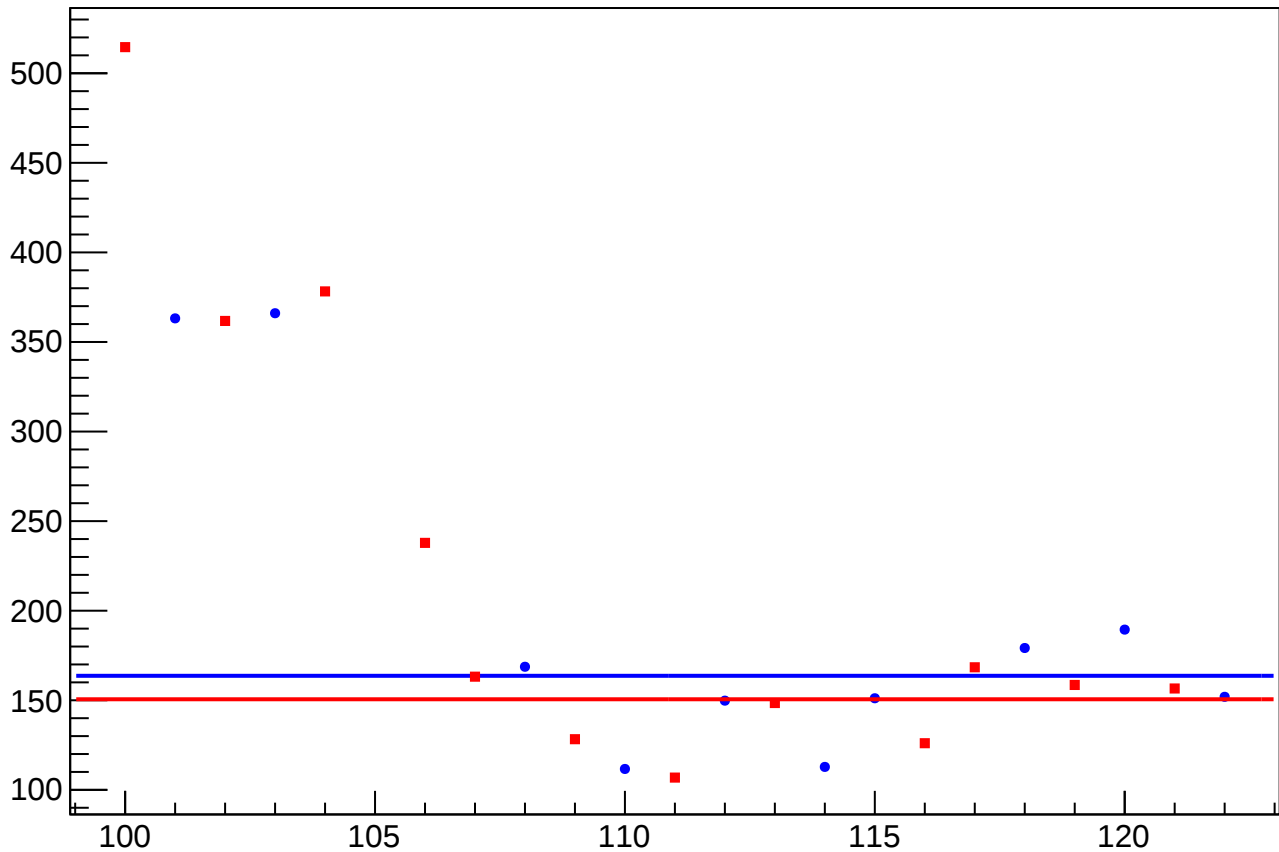
Right Out: 128692.866 $\pm$ 0.080  $\chi^2$ /NDF: 878420435.7/11

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

128422.077 $\pm$ 0.092  $\chi^2$ /NDF: 731954839.2/9

128692.866 $\pm$ 0.080  $\chi^2$ /NDF: 878420435.7/11

# yield\_bpm0l05WS\_rms vs Slug



Right In: 163.665+/-0.065  $\chi^2/\text{NDF}$ : 913019.9/9

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

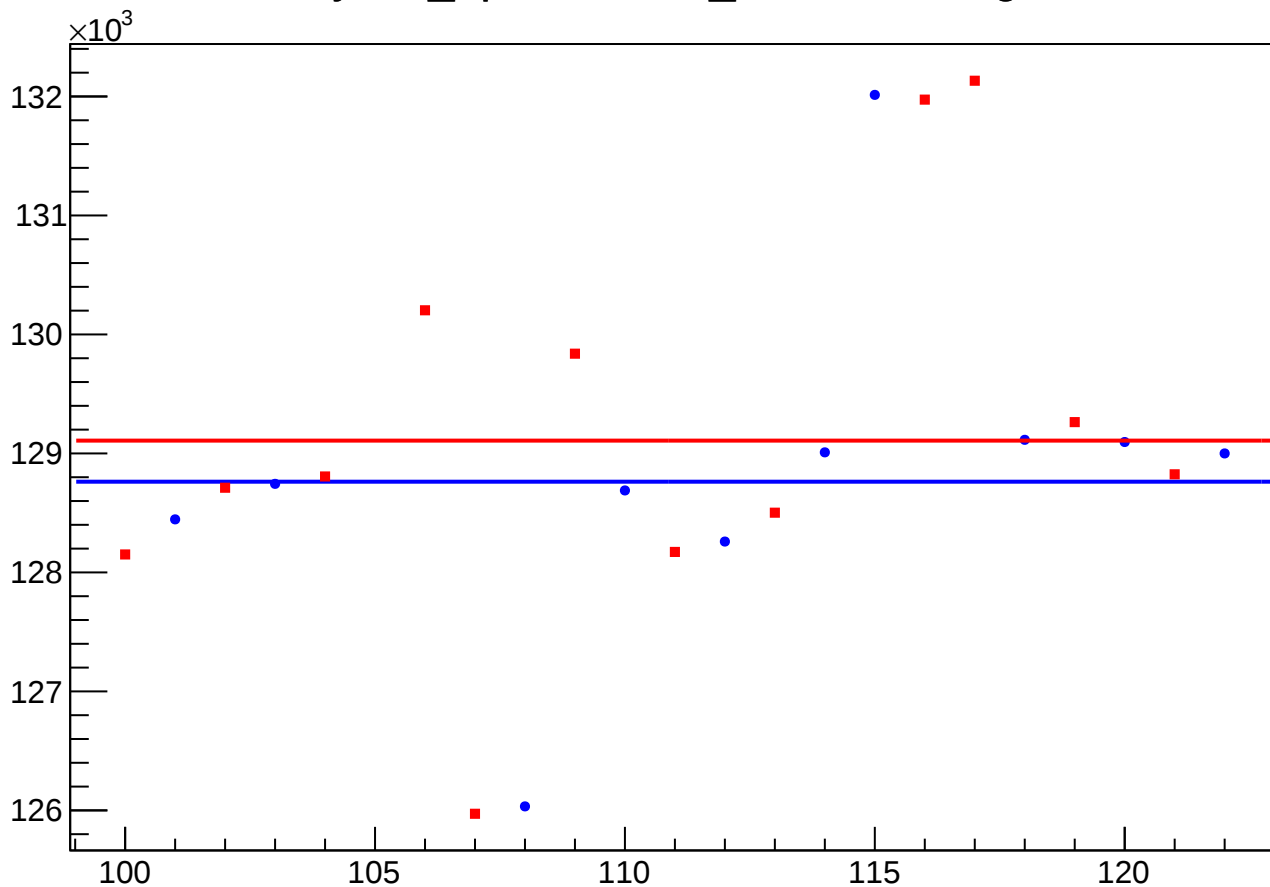
163.665+/-0.065  $\chi^2/\text{NDF}$ : 913019.9/9

Right Out: 150.563+/-0.057  $\chi^2/\text{NDF}$ : 1057494.5/11

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

150.563+/-0.057  $\chi^2/\text{NDF}$ : 1057494.5/11

# yield\_bpm0l06WS\_mean vs Slug



Right In: 128762.427 $\pm$ 0.078  $\chi^2$ /NDF: 278134297.8/9

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

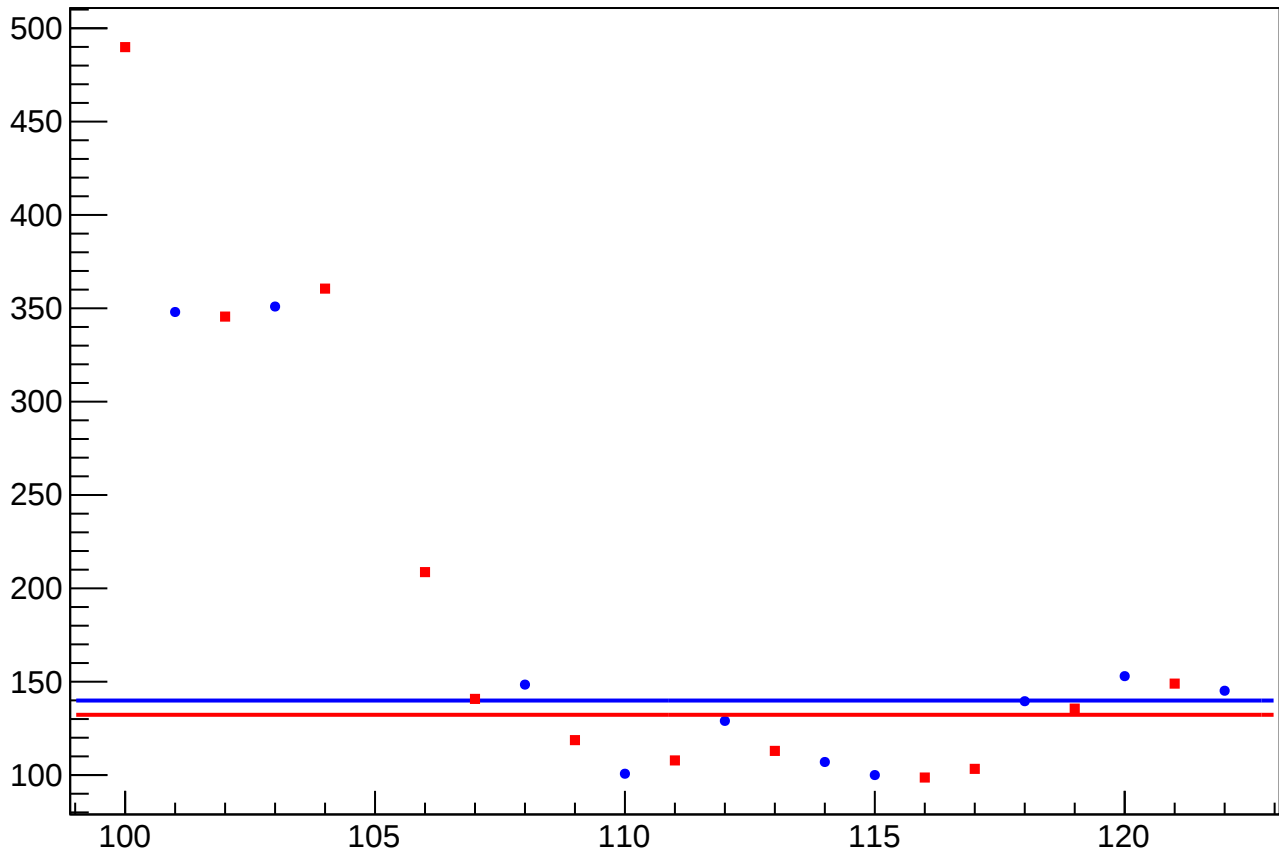
128762.427 $\pm$ 0.078  $\chi^2$ /NDF: 278134297.8/9

Right Out: 129107.707 $\pm$ 0.069  $\chi^2$ /NDF: 487204528.9/11

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

129107.707 $\pm$ 0.069  $\chi^2$ /NDF: 487204528.9/11

# yield\_bpm0l06WS\_rms vs Slug



Right In: 139.912 $\pm$ 0.055  $\chi^2$ /NDF: 1006078.1/9

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

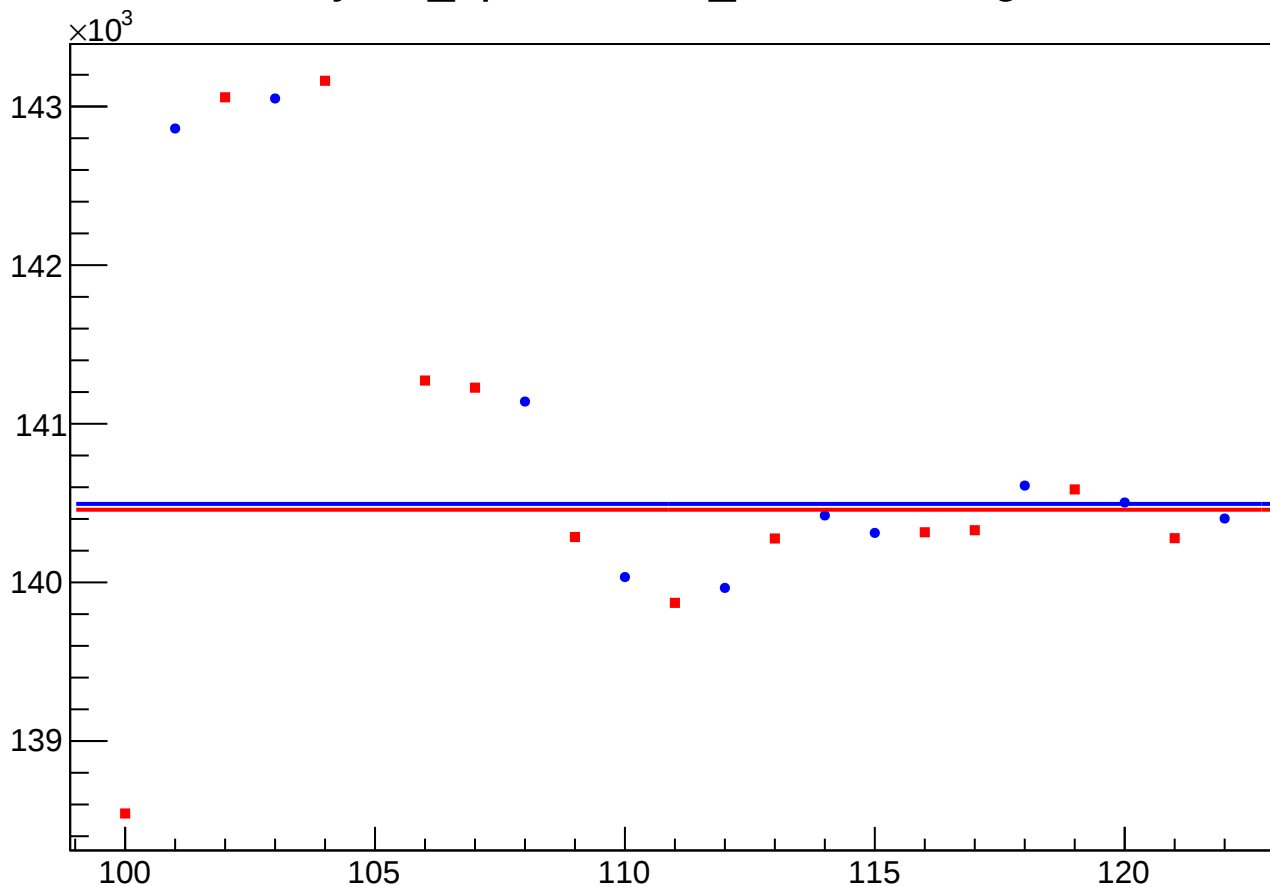
139.912 $\pm$ 0.055  $\chi^2$ /NDF: 1006078.1/9

Right Out: 132.274 $\pm$ 0.049  $\chi^2$ /NDF: 1108881.9/11

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

132.274 $\pm$ 0.049  $\chi^2$ /NDF: 1108881.9/11

# yield\_bpm0l07WS\_mean vs Slug



Right In: 140494.862 $\pm$ 0.083  $\chi^2$ /NDF: 62823938.5/9

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

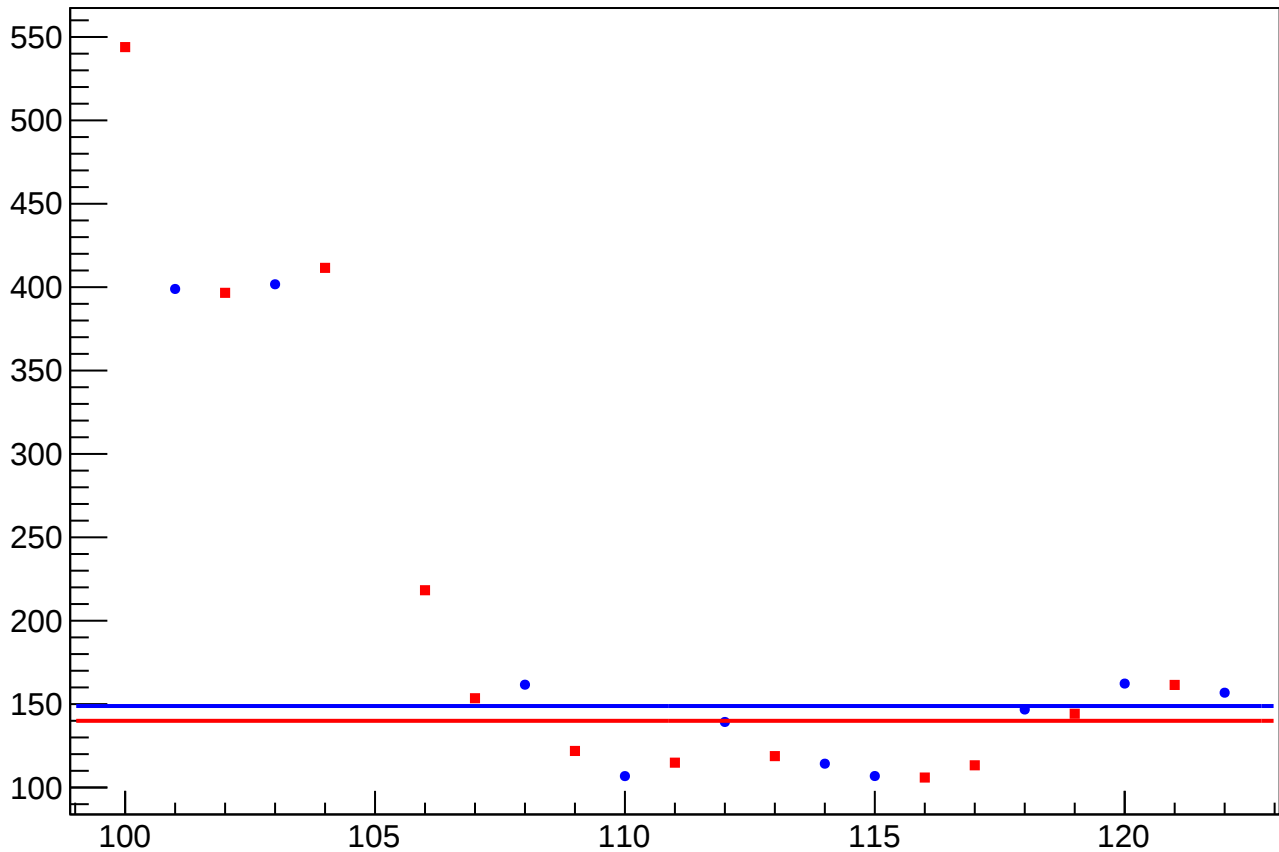
140494.862 $\pm$ 0.083  $\chi^2$ /NDF: 62823938.5/9

Right Out: 140458.125 $\pm$ 0.074  $\chi^2$ /NDF: 72359823.3/11

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

140458.125 $\pm$ 0.074  $\chi^2$ /NDF: 72359823.3/11

# yield\_bpm0l07WS\_rms vs Slug



Right In: 148.855+/-0.059  $\chi^2/\text{NDF}$ : 1091333.5/9

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

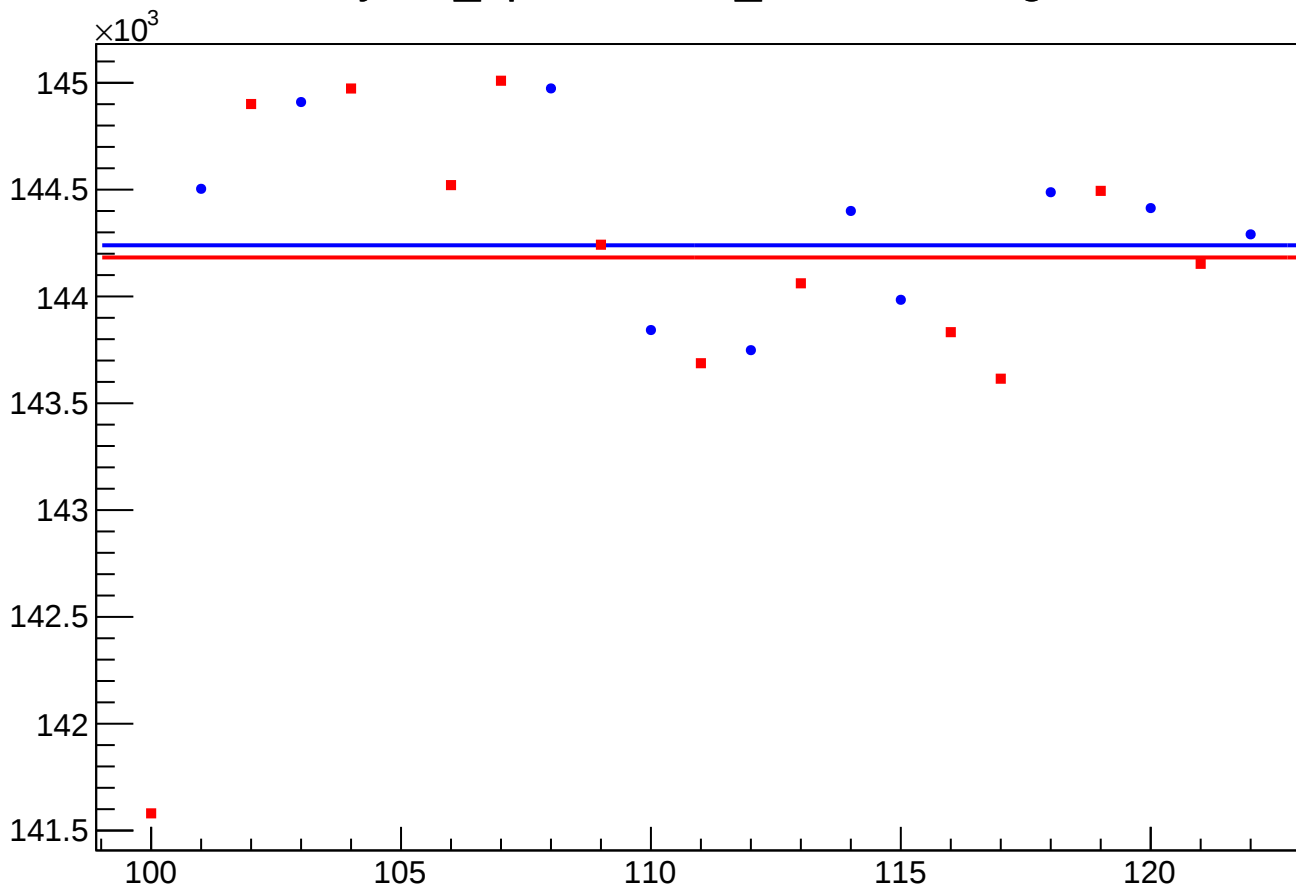
148.855+/-0.059  $\chi^2/\text{NDF}$ : 1091333.5/9

Right Out: 139.981+/-0.052  $\chi^2/\text{NDF}$ : 1194099.9/11

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

139.981+/-0.052  $\chi^2/\text{NDF}$ : 1194099.9/11

# yield\_bpm0l08WS\_mean vs Slug



Right In: 144239.485 $\pm$ 0.087  $\chi^2$ /NDF: 20864468.4/9

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

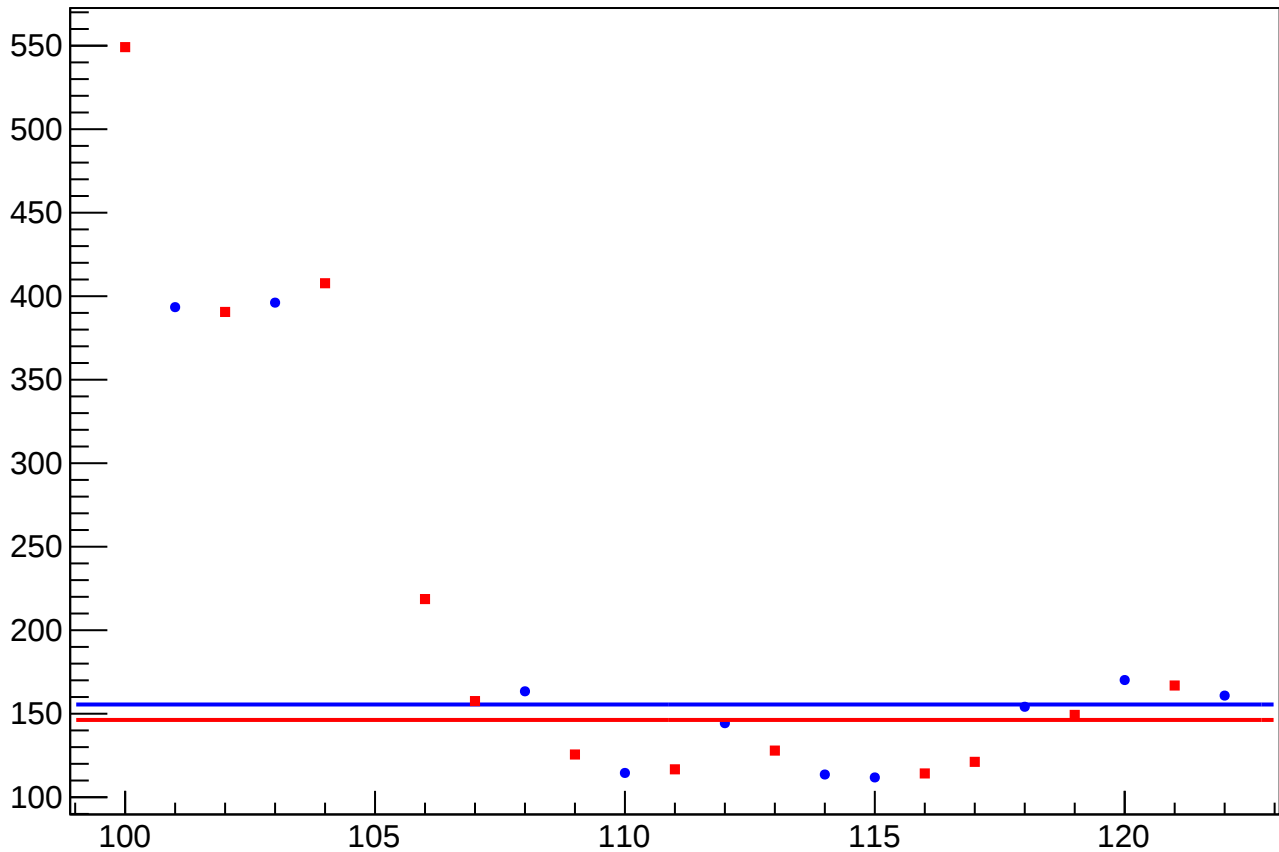
144239.485 $\pm$ 0.087  $\chi^2$ /NDF: 20864468.4/9

Right Out: 144182.530 $\pm$ 0.077  $\chi^2$ /NDF: 29014899.7/11

144182.530 $\pm$ 0.077  $\chi^2$ /NDF: 29014899.7/11

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

# yield\_bpm0l08WS\_rms vs Slug



Right In: 155.526+/-0.061  $\chi^2/\text{NDF}$ : 1016254.7/9

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

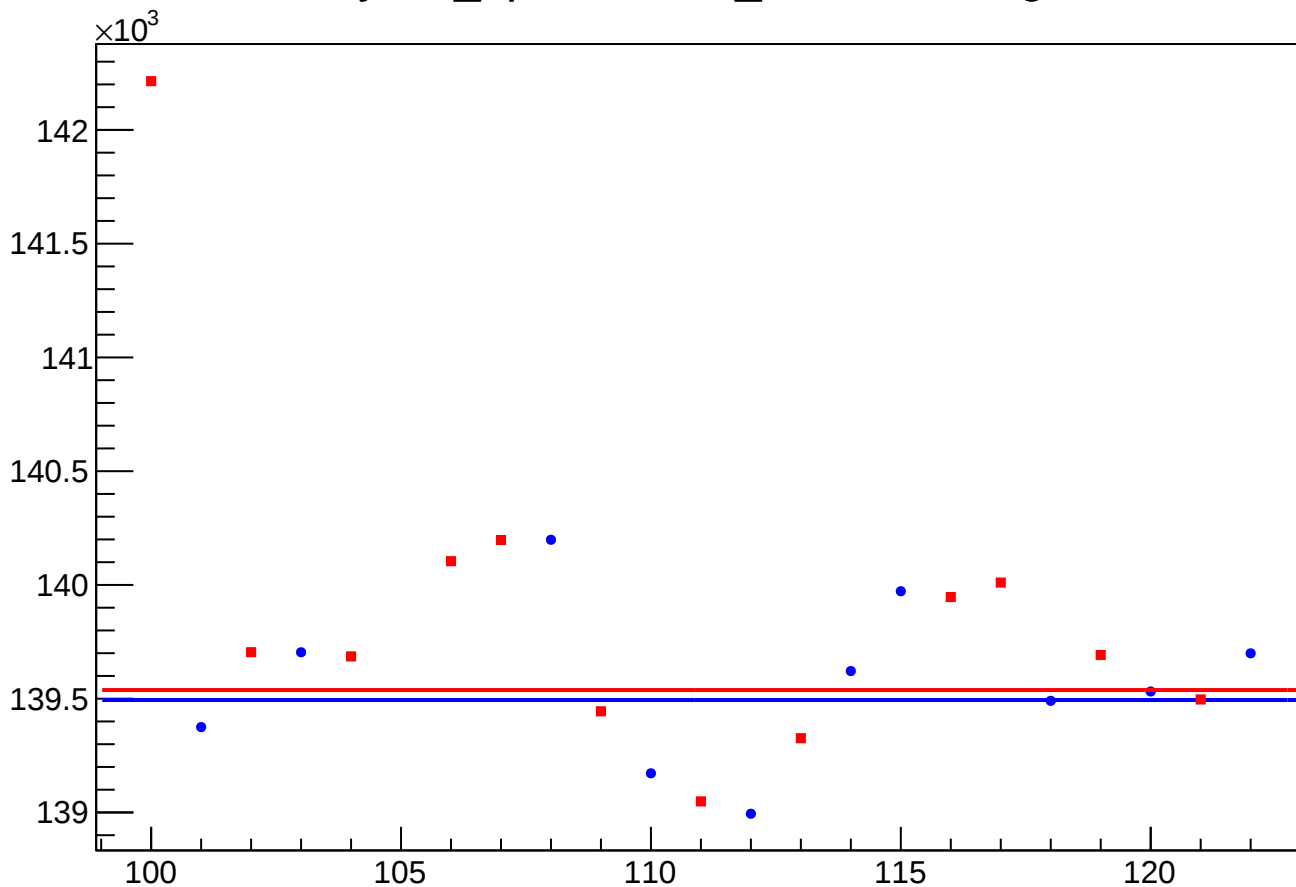
155.526+/-0.061  $\chi^2/\text{NDF}$ : 1016254.7/9

Right Out: 146.273+/-0.054  $\chi^2/\text{NDF}$ : 1120868.6/11

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

146.273+/-0.054  $\chi^2/\text{NDF}$ : 1120868.6/11

# yield\_bpm0l09WS\_mean vs Slug



Right In: 139494.214 $\pm$ 0.088  $\chi^2$ /NDF: 17337076.1/9

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

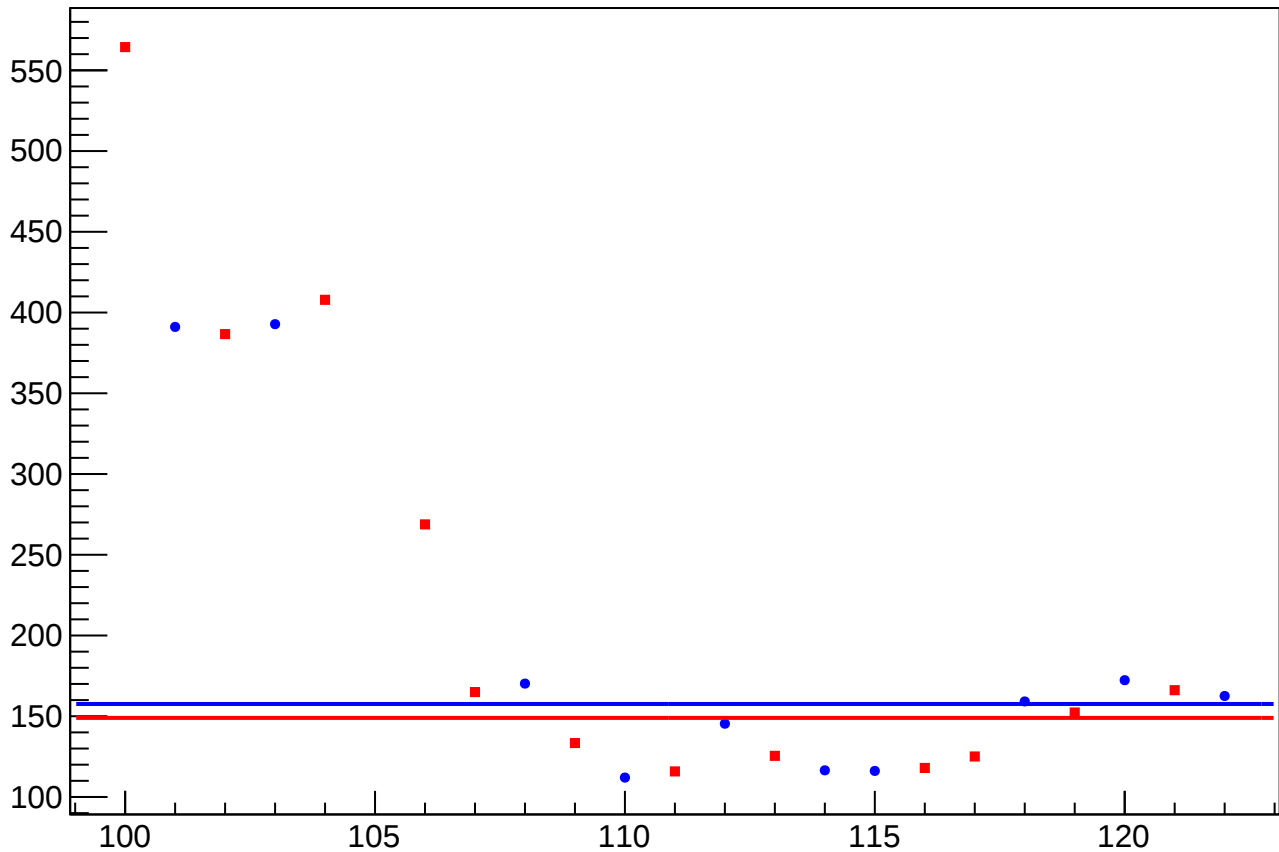
139494.214 $\pm$ 0.088  $\chi^2$ /NDF: 17337076.1/9

Right Out: 139538.031 $\pm$ 0.078  $\chi^2$ /NDF: 21484811.0/11

139538.031 $\pm$ 0.078  $\chi^2$ /NDF: 21484811.0/11

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

# yield\_bpm0l09WS\_rms vs Slug



Right In: 157.603 $\pm$ 0.062  $\chi^2$ /NDF: 1010249.5/9

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

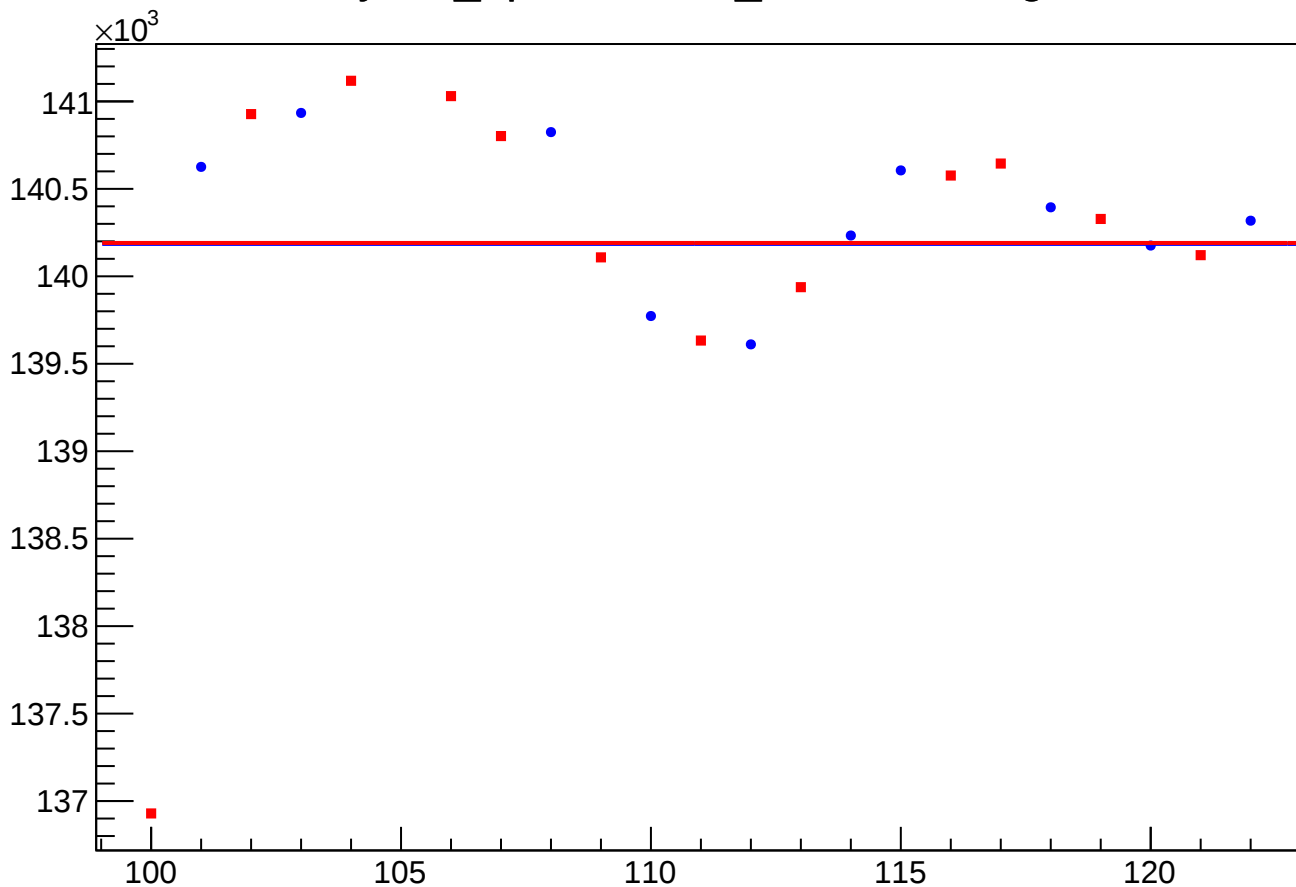
157.603 $\pm$ 0.062  $\chi^2$ /NDF: 1010249.5/9

Right Out: 148.977 $\pm$ 0.055  $\chi^2$ /NDF: 1153738.0/11

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

148.977 $\pm$ 0.055  $\chi^2$ /NDF: 1153738.0/11

# yield\_bpm0l10WS\_mean vs Slug



Right In: 140185.284 $\pm$ 0.088  $\chi^2$ /NDF: 22048856.9/9

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

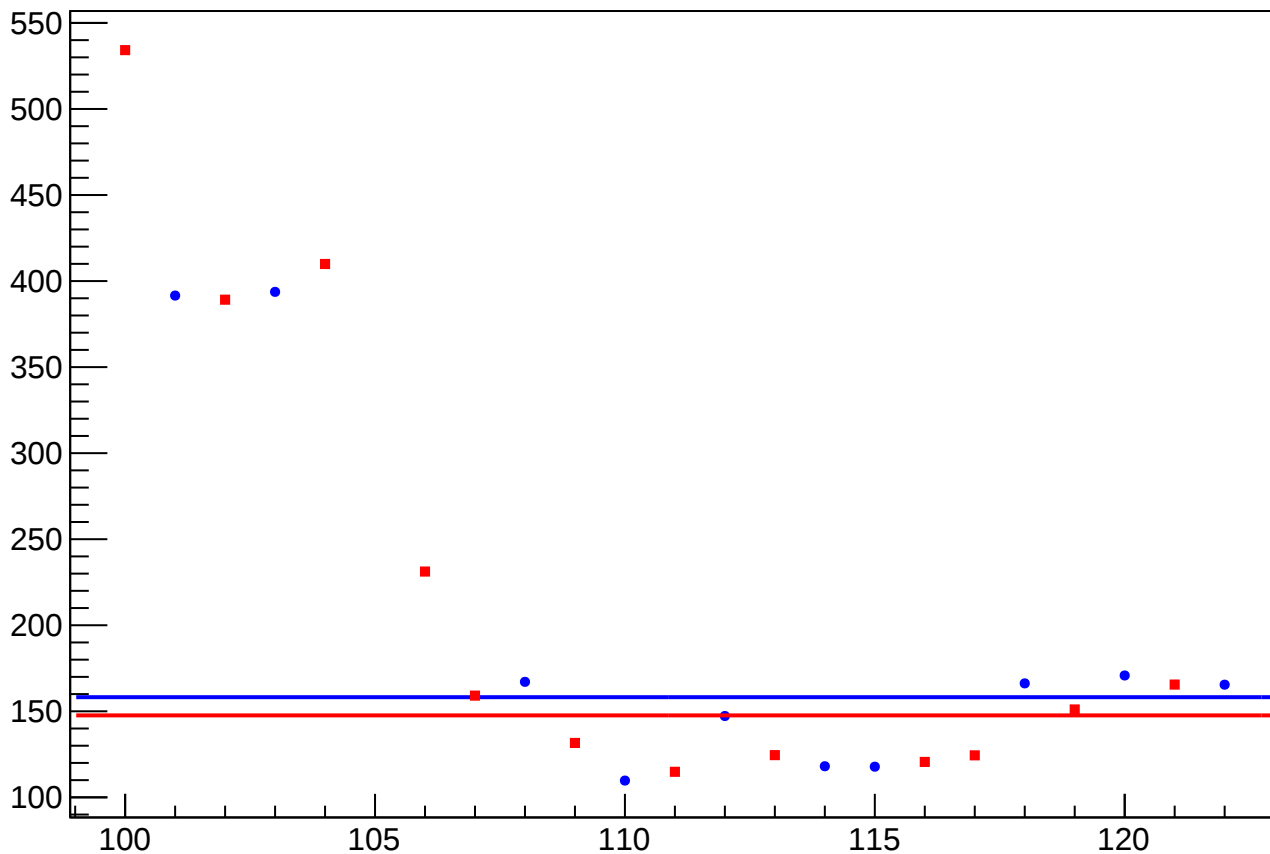
Right Out: 140190.713 $\pm$ 0.077  $\chi^2$ /NDF: 31061810.7/11

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

140185.284 $\pm$ 0.088  $\chi^2$ /NDF: 22048856.9/9

140190.713 $\pm$ 0.077  $\chi^2$ /NDF: 31061810.7/11

# yield\_bpm0l10WS\_rms vs Slug



Right In: 158.197+/-0.062  $\chi^2/\text{NDF}$ : 1022153.3/9

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

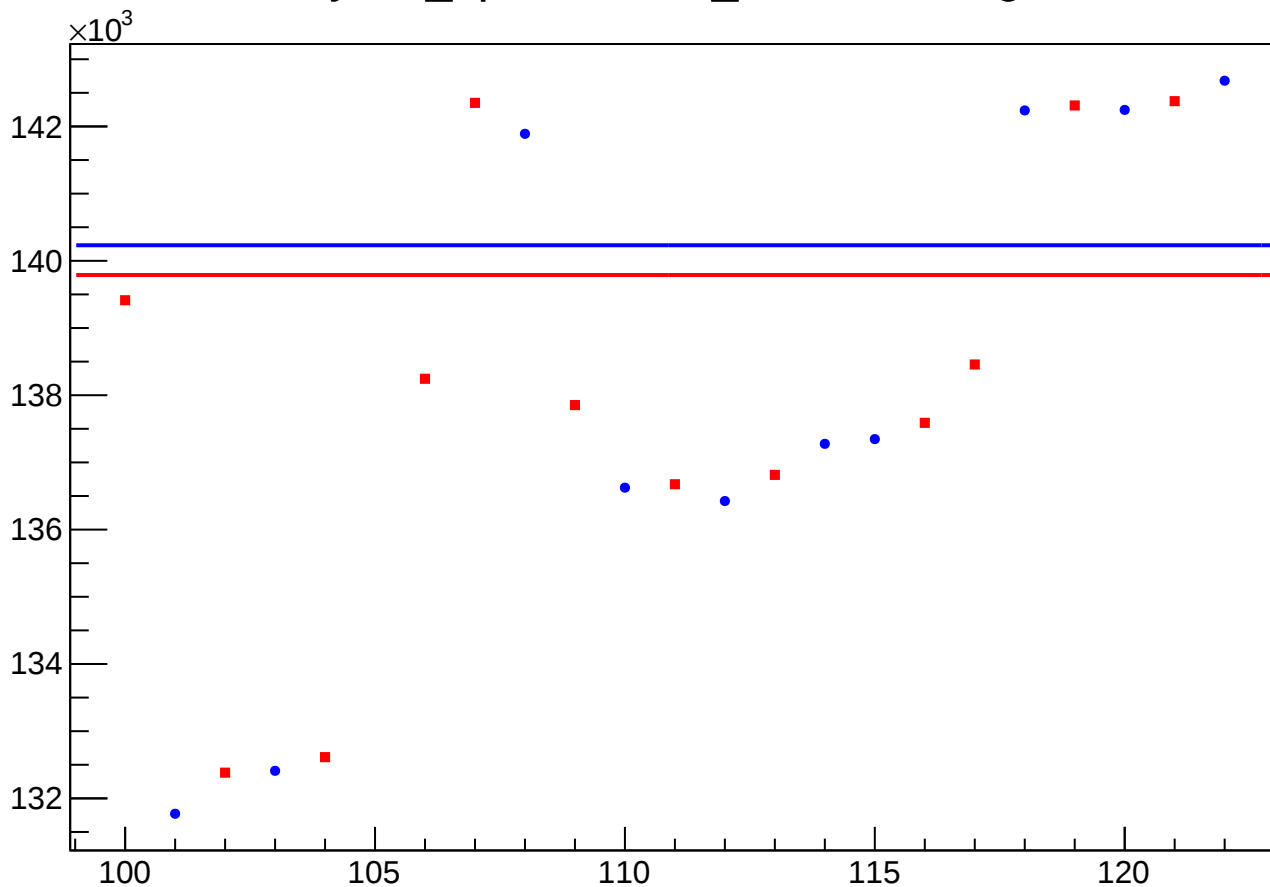
Right Out: 147.620+/-0.055  $\chi^2/\text{NDF}$ : 1115501.1/11

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

158.197+/-0.062  $\chi^2/\text{NDF}$ : 1022153.3/9

147.620+/-0.055  $\chi^2/\text{NDF}$ : 1115501.1/11

# yield\_bpm0r03WS\_mean vs Slug



Right In: 140231.721 $\pm$ 0.135  $\chi^2$ /NDF: 644266152.2/9

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

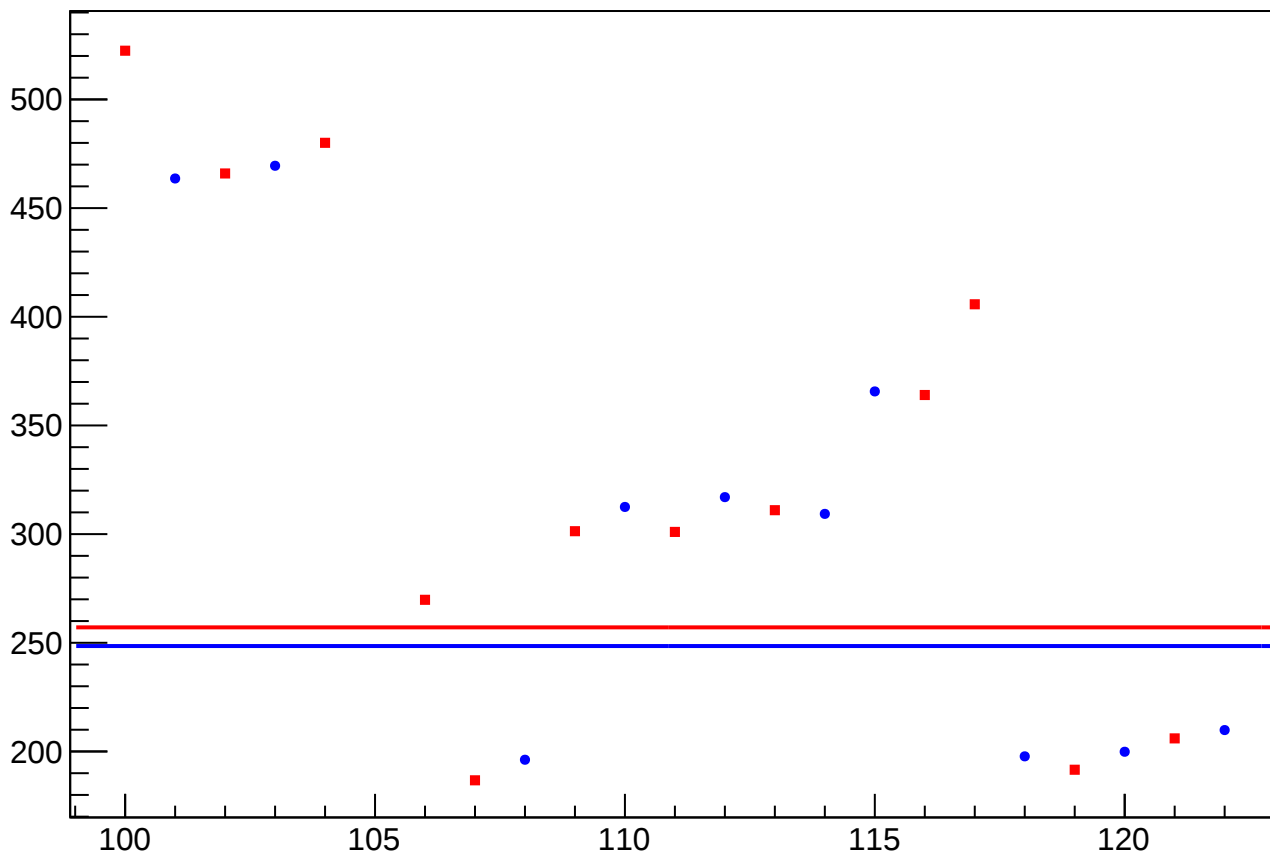
140231.721 $\pm$ 0.135  $\chi^2$ /NDF: 644266152.2/9

Right Out: 139788.921 $\pm$ 0.132  $\chi^2$ /NDF: 579157497.6/11

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

139788.921 $\pm$ 0.132  $\chi^2$ /NDF: 579157497.6/11

# yield\_bpm0r03WS\_rms vs Slug



Right In: 248.504 $\pm$ 0.096  $\chi^2$ /NDF: 791382.6/9

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

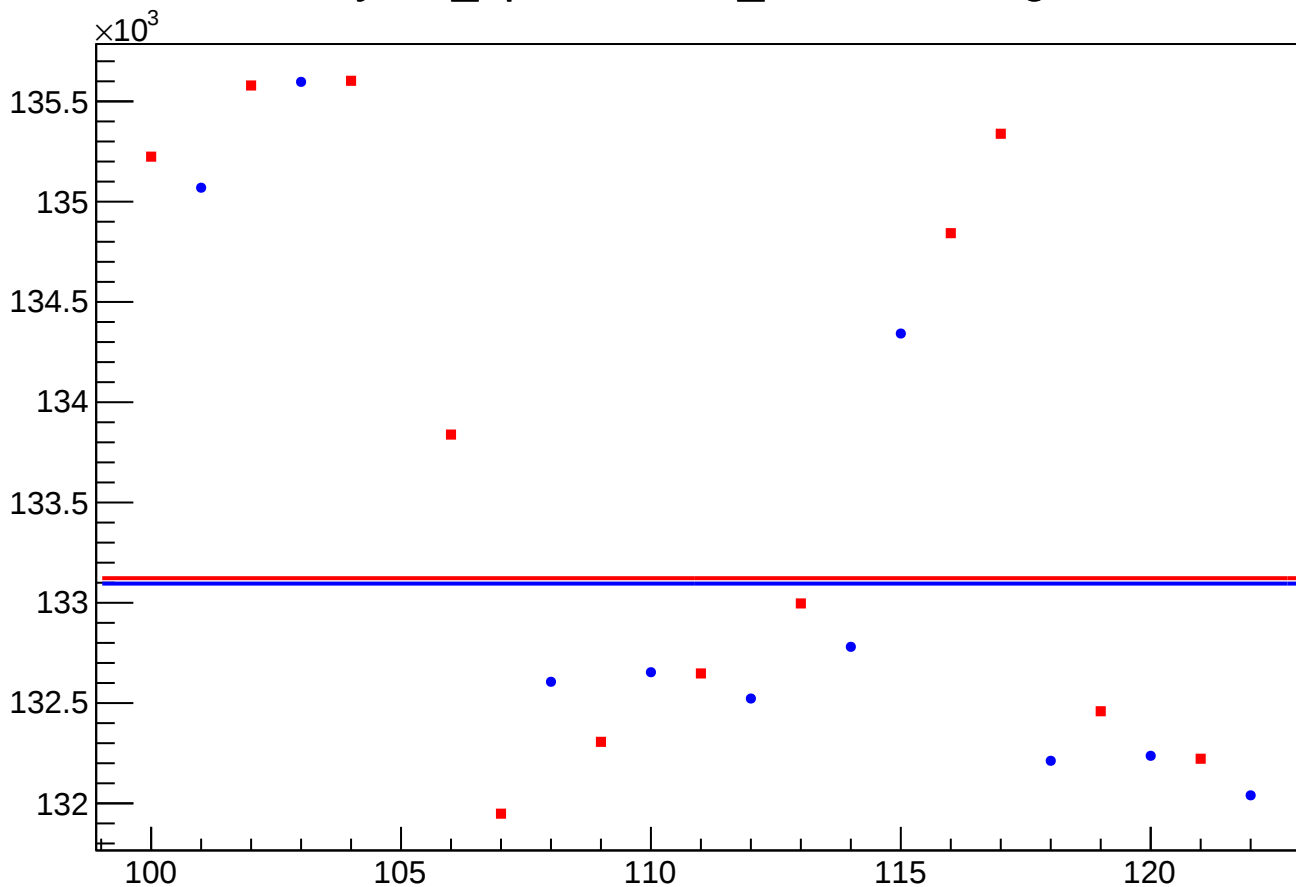
248.504 $\pm$ 0.096  $\chi^2$ /NDF: 791382.6/9

Right Out: 257.097 $\pm$ 0.093  $\chi^2$ /NDF: 841874.8/11

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

257.097 $\pm$ 0.093  $\chi^2$ /NDF: 841874.8/11

# yield\_bpm0r05WS\_mean vs Slug



Right In: 133095.792 $\pm$ 0.142  $\chi^2$ /NDF: 61993071.3/9

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

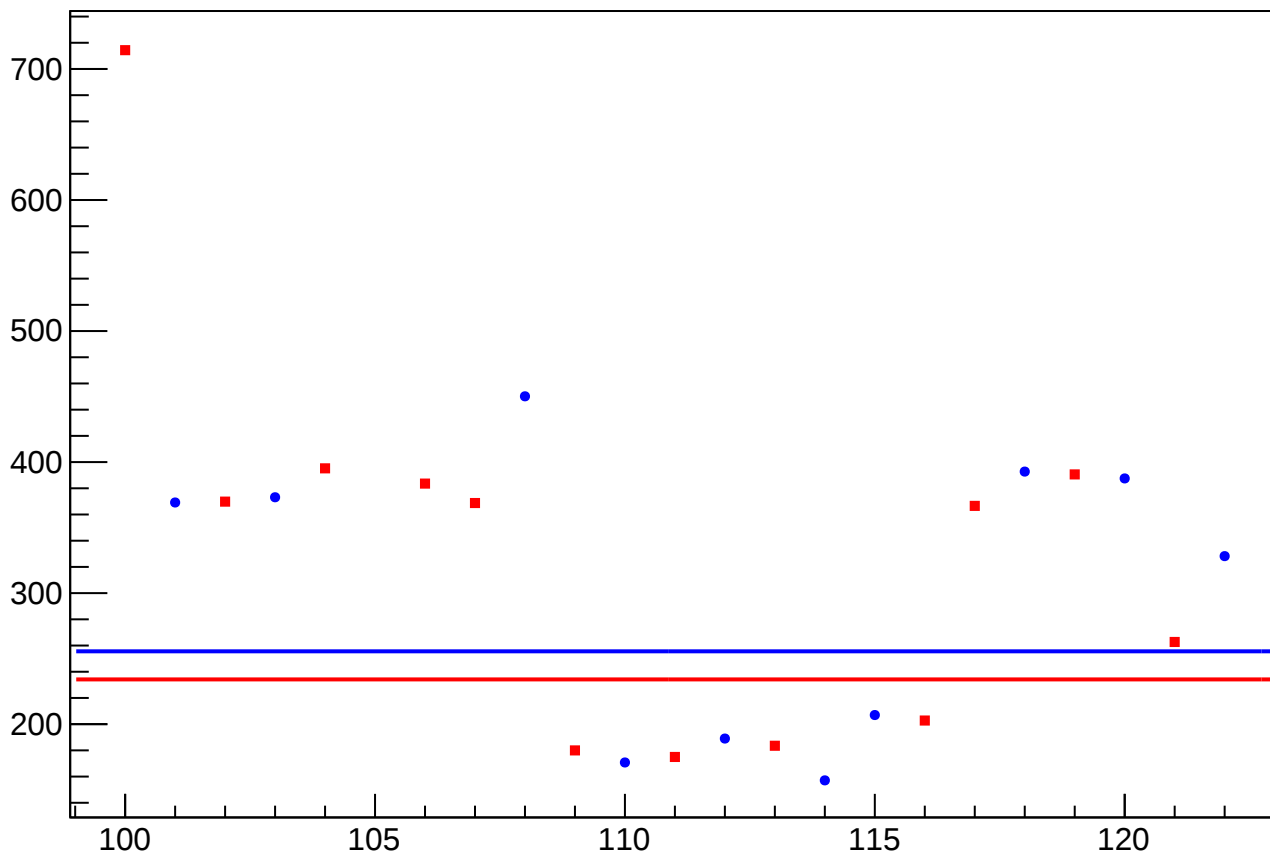
Right Out: 133122.713 $\pm$ 0.122  $\chi^2$ /NDF: 85422875.1/11

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

133095.792 $\pm$ 0.142  $\chi^2$ /NDF: 61993071.3/9

133122.713 $\pm$ 0.122  $\chi^2$ /NDF: 85422875.1/11

# yield\_bpm0r05WS\_rms vs Slug



Right In: 255.589+/-0.100  $\chi^2/\text{NDF}$ : 966230.9/9

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

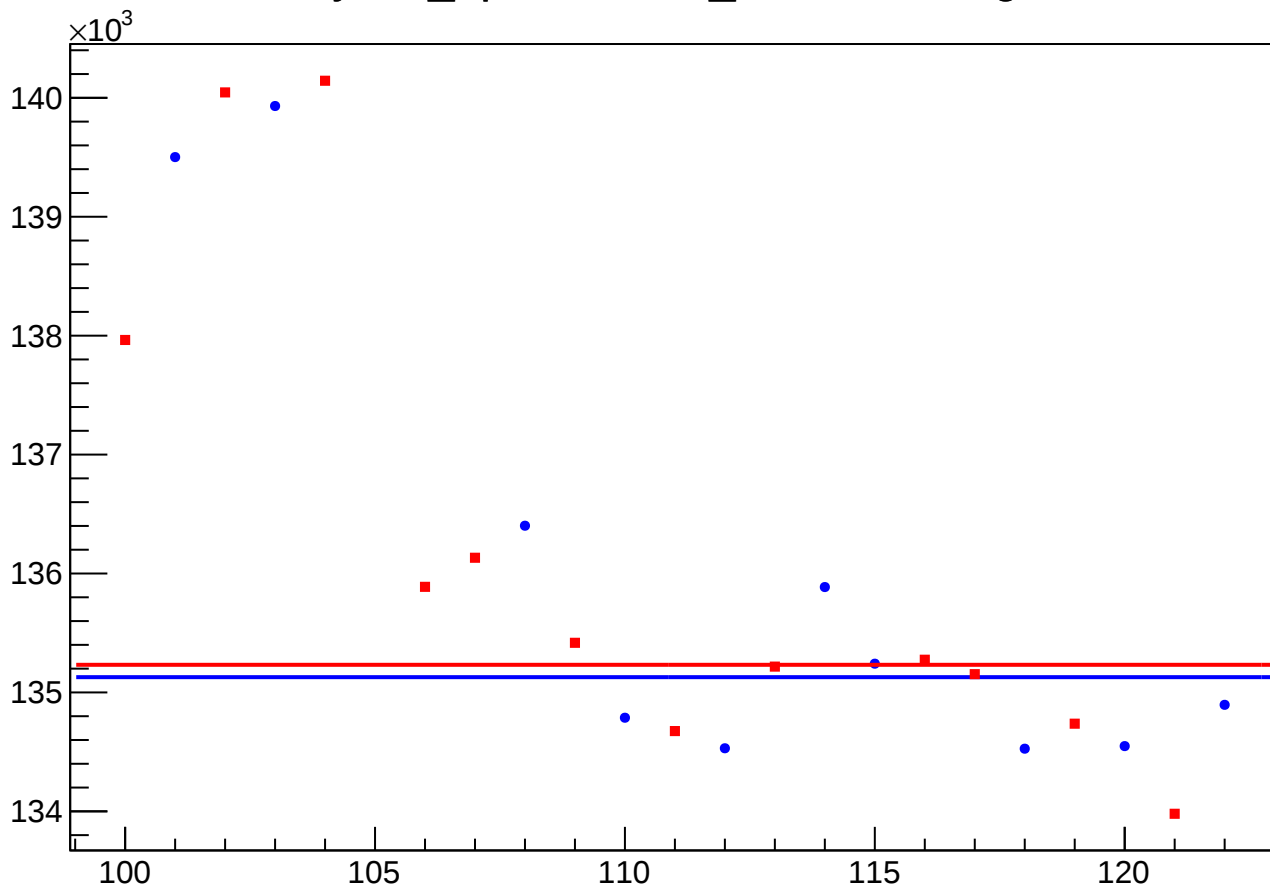
Right Out: 234.150+/-0.087  $\chi^2/\text{NDF}$ : 970137.2/11

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

255.589+/-0.100  $\chi^2/\text{NDF}$ : 966230.9/9

234.150+/-0.087  $\chi^2/\text{NDF}$ : 970137.2/11

# yield\_bpm0i02WS\_mean vs Slug



Right In: 135128.351 $\pm$ 0.068  $\chi^2$ /NDF: 259850750.7/9

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

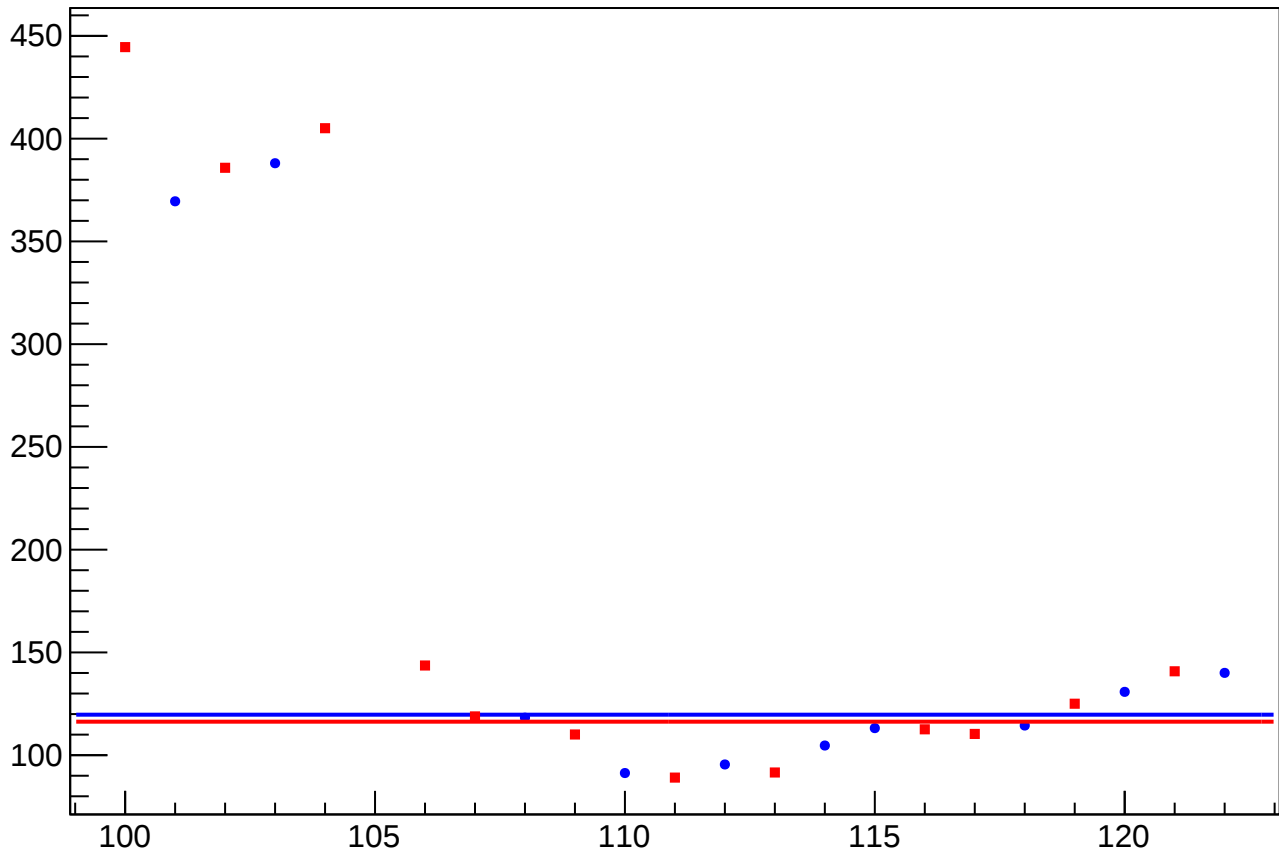
135128.351 $\pm$ 0.068  $\chi^2$ /NDF: 259850750.7/9

Right Out: 135232.271 $\pm$ 0.062  $\chi^2$ /NDF: 239777636.1/11

135232.271 $\pm$ 0.062  $\chi^2$ /NDF: 239777636.1/11

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

# yield\_bpm0i02WS\_rms vs Slug



Right In: 119.705 $\pm$ 0.048  $\chi^2$ /NDF: 1224828.9/9

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

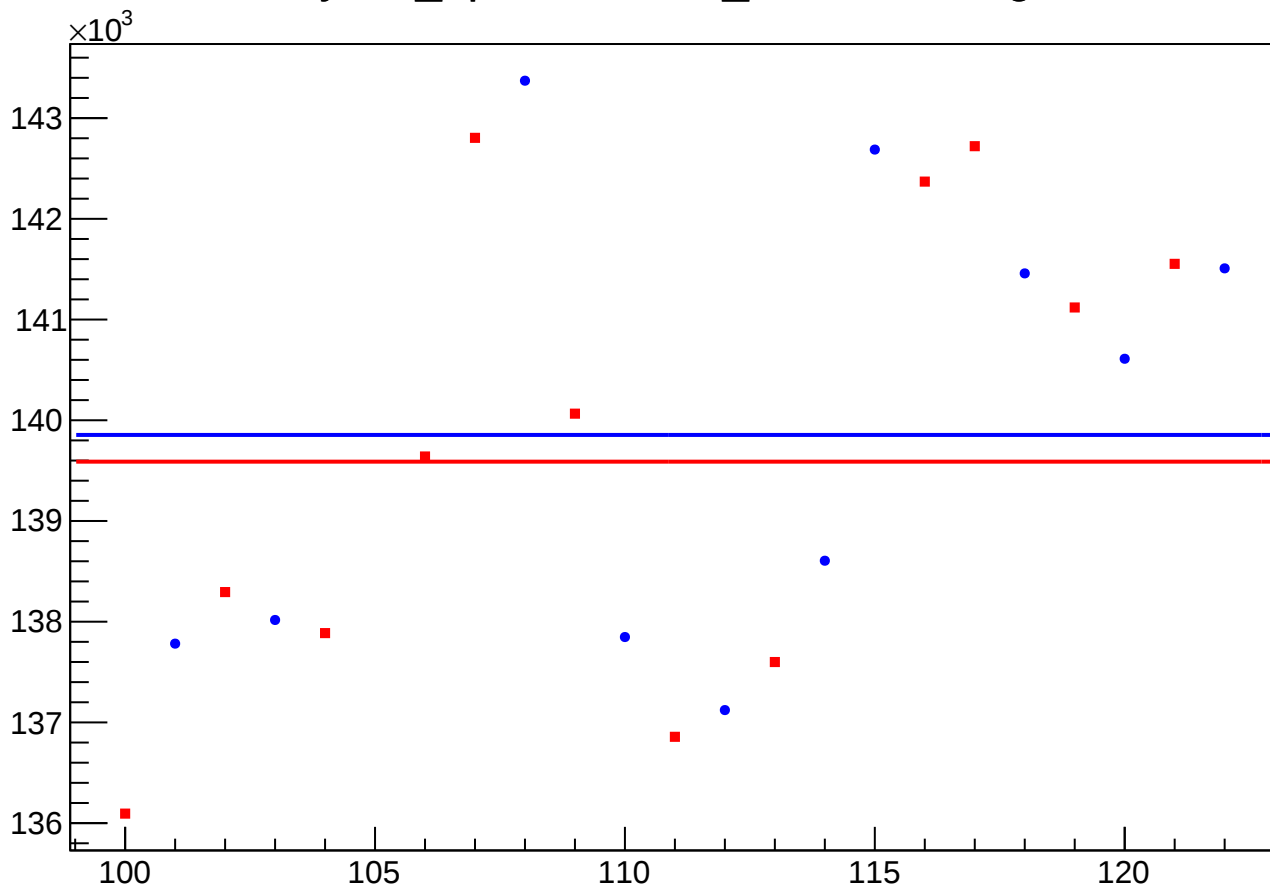
119.705 $\pm$ 0.048  $\chi^2$ /NDF: 1224828.9/9

Right Out: 116.303 $\pm$ 0.044  $\chi^2$ /NDF: 1295541.8/11

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

116.303 $\pm$ 0.044  $\chi^2$ /NDF: 1295541.8/11

# yield\_bpm0i02aWS\_mean vs Slug



Right In: 139854.383 $\pm$ 0.080  $\chi^2$ /NDF: 726441236.6/9

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

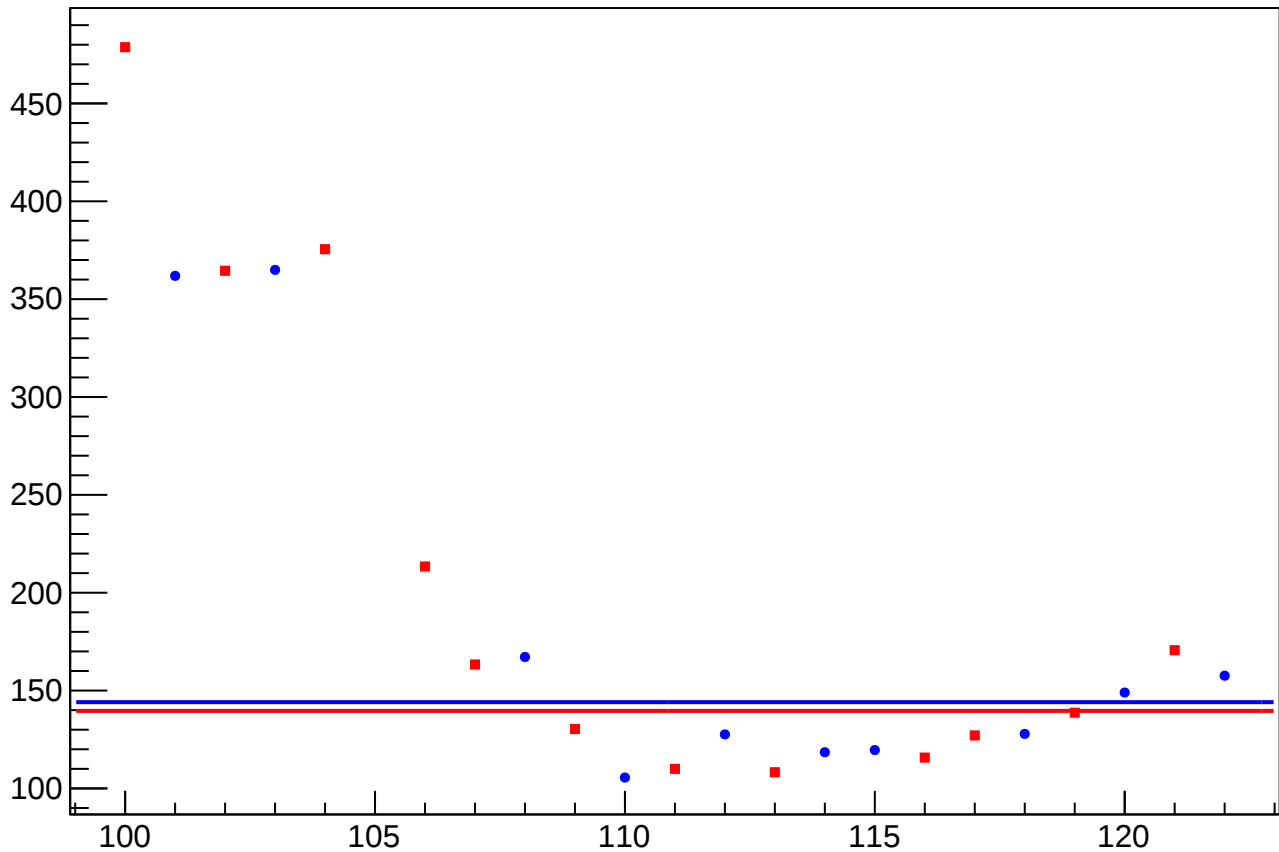
139854.383 $\pm$ 0.080  $\chi^2$ /NDF: 726441236.6/9

Right Out: 139589.052 $\pm$ 0.074  $\chi^2$ /NDF: 839774495.9/11

139589.052 $\pm$ 0.074  $\chi^2$ /NDF: 839774495.9/11

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

# yield\_bpm0i02aWS\_rms vs Slug



Right In: 144.079+/-0.057  $\chi^2/\text{NDF}$ : 1001326.1/9

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

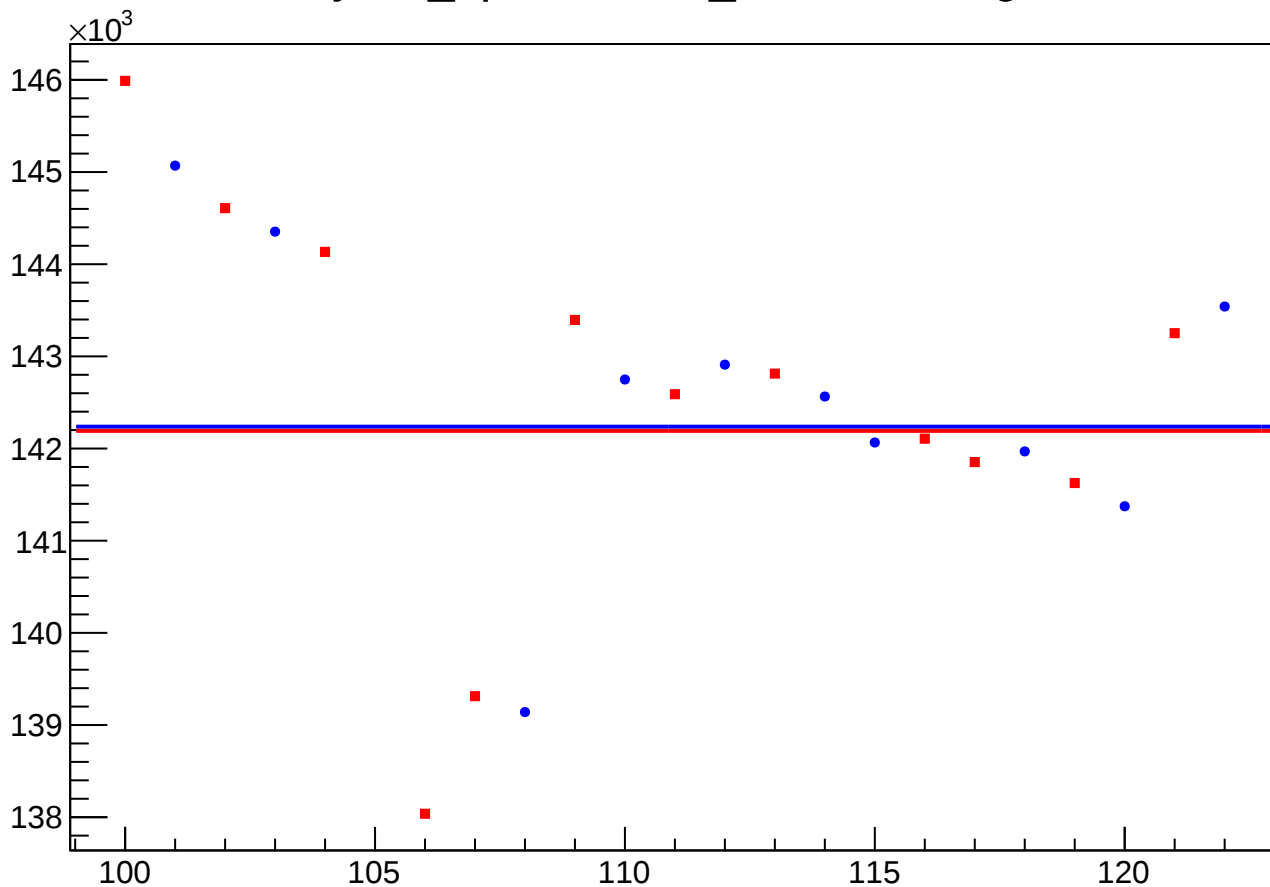
144.079+/-0.057  $\chi^2/\text{NDF}$ : 1001326.1/9

Right Out: 139.615+/-0.052  $\chi^2/\text{NDF}$ : 1123818.5/11

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

139.615+/-0.052  $\chi^2/\text{NDF}$ : 1123818.5/11

# yield\_bpm0i05WS\_mean vs Slug



Right In: 142237.234 $\pm$ 0.086  $\chi^2$ /NDF: 276819785.0/9

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

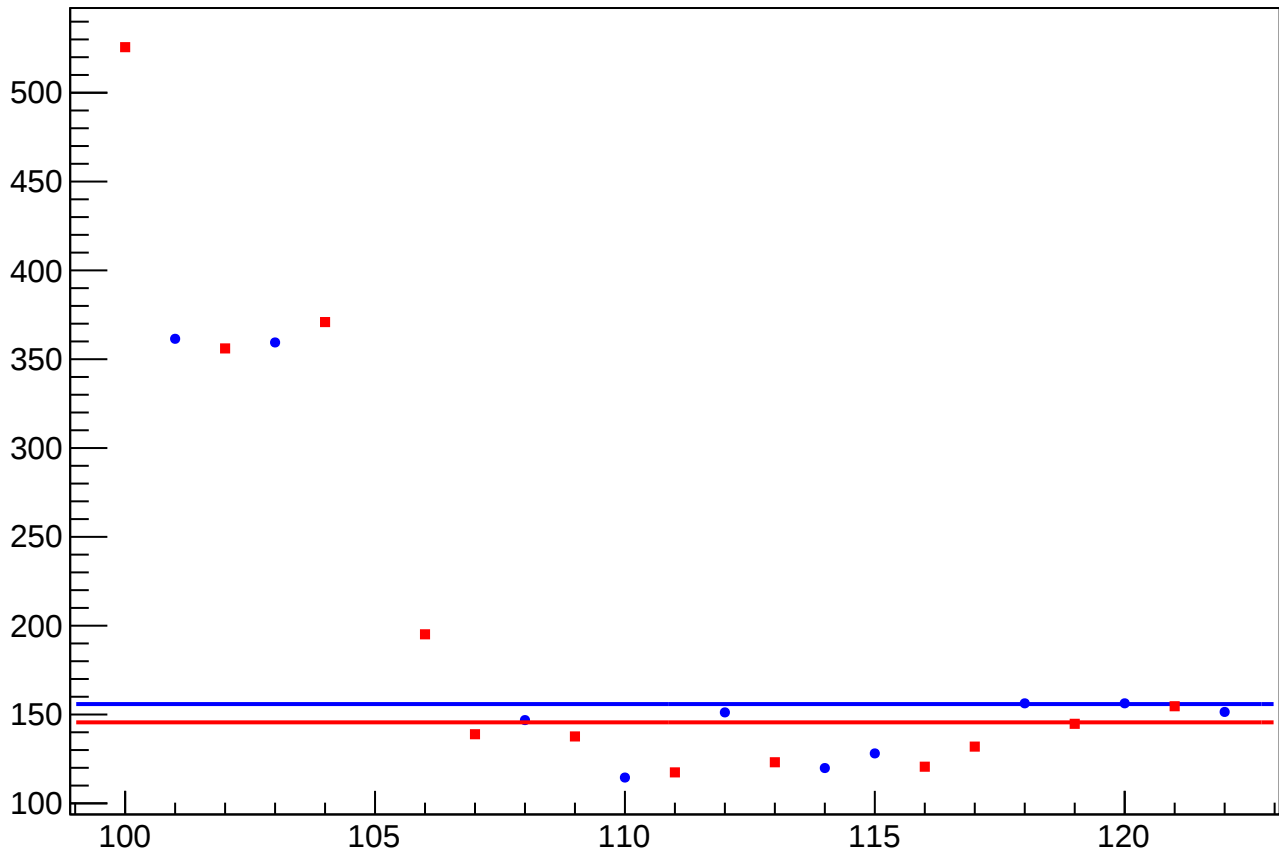
Right Out: 142191.733 $\pm$ 0.076  $\chi^2$ /NDF: 377183356.0/11

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

142237.234 $\pm$ 0.086  $\chi^2$ /NDF: 276819785.0/9

142191.733 $\pm$ 0.076  $\chi^2$ /NDF: 377183356.0/11

# yield\_bpm0i05WS\_rms vs Slug



Right In: 155.881 $\pm$ 0.061  $\chi^2$ /NDF: 863099.2/9

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

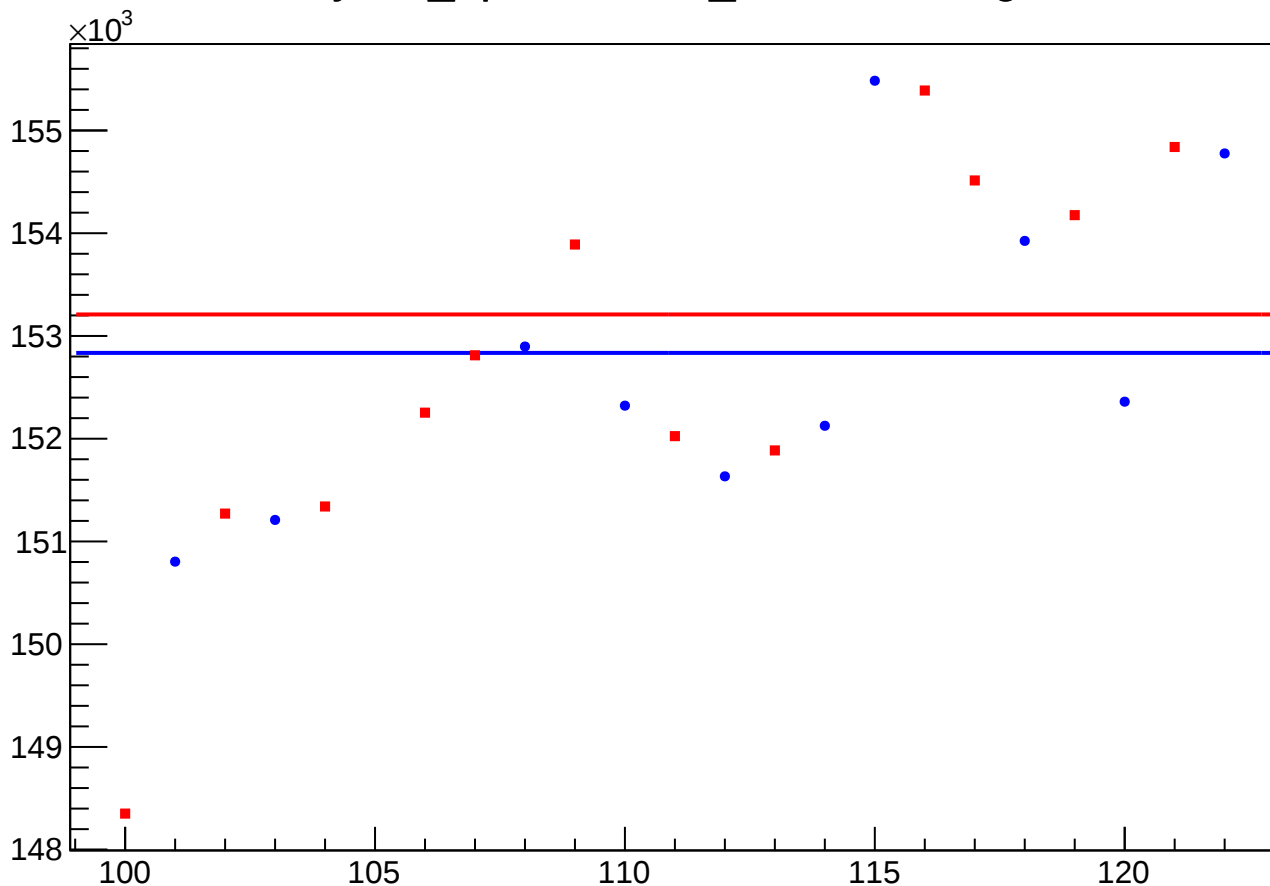
Right Out: 145.590 $\pm$ 0.054  $\chi^2$ /NDF: 951961.6/11

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

155.881 $\pm$ 0.061  $\chi^2$ /NDF: 863099.2/9

145.590 $\pm$ 0.054  $\chi^2$ /NDF: 951961.6/11

# yield\_bpm0i07WS\_mean vs Slug



Right In: 152835.112 $\pm$ 0.102  $\chi^2$ /NDF: 150440186.3/9

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

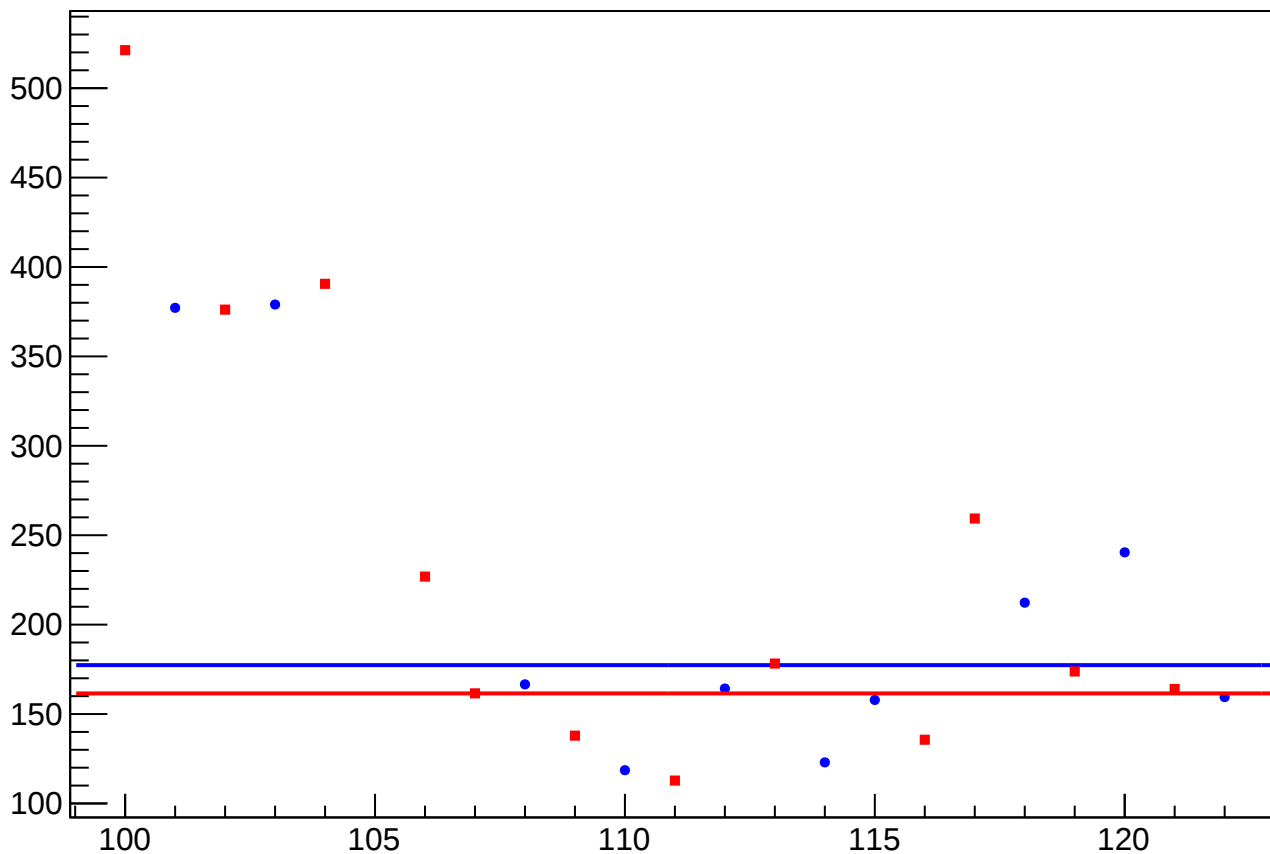
Right Out: 153209.368 $\pm$ 0.087  $\chi^2$ /NDF: 215927077.4/11

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

152835.112 $\pm$ 0.102  $\chi^2$ /NDF: 150440186.3/9

153209.368 $\pm$ 0.087  $\chi^2$ /NDF: 215927077.4/11

# yield\_bpm0i07WS\_rms vs Slug



Right In: 177.354 $\pm$ 0.072  $\chi^2$ /NDF: 921194.1/9

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

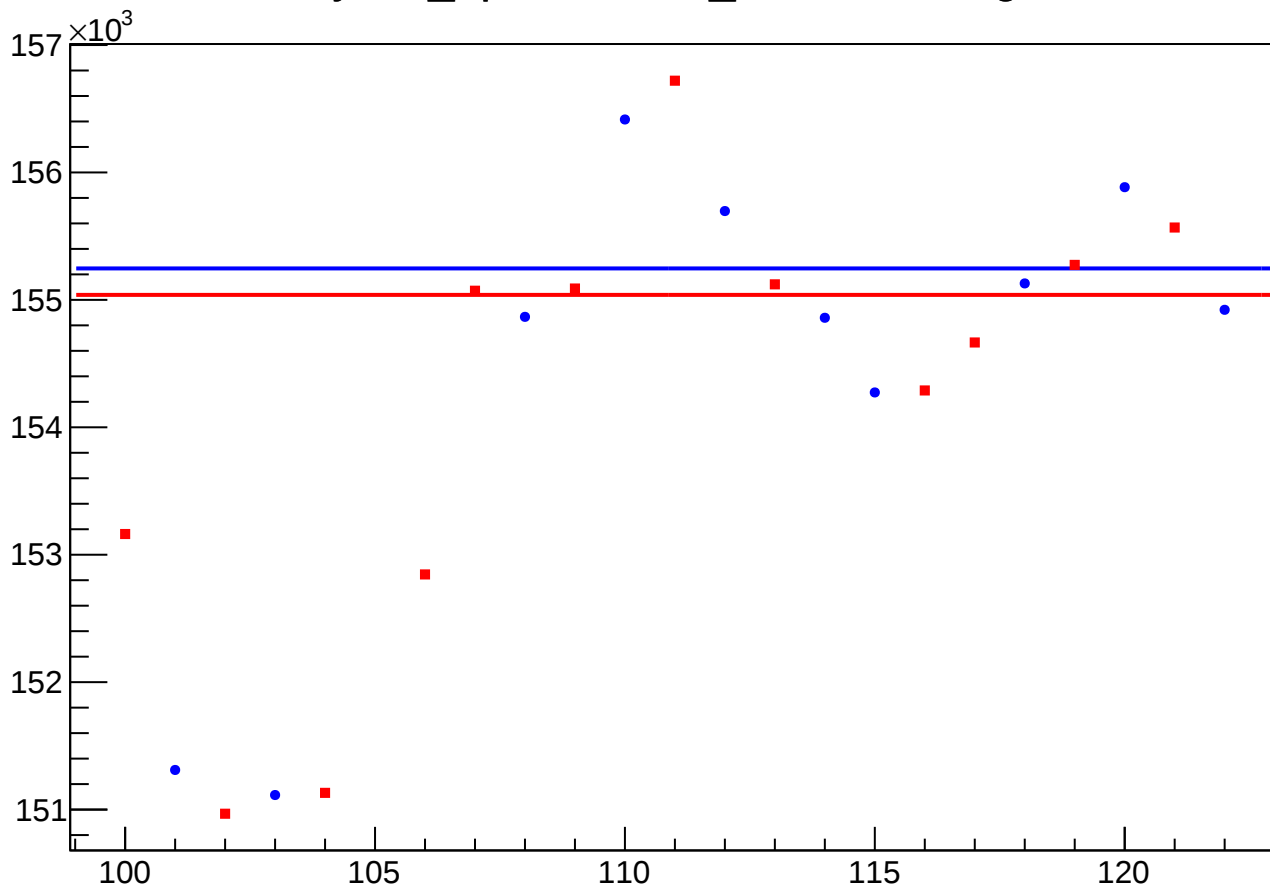
Right Out: 161.530 $\pm$ 0.061  $\chi^2$ /NDF: 1016512.3/11

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

177.354 $\pm$ 0.072  $\chi^2$ /NDF: 921194.1/9

161.530 $\pm$ 0.061  $\chi^2$ /NDF: 1016512.3/11

# yield\_bpm1i02WS\_mean vs Slug



Right In: 155246.744 $\pm$ 0.082  $\chi^2$ /NDF: 169235398.5/9

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

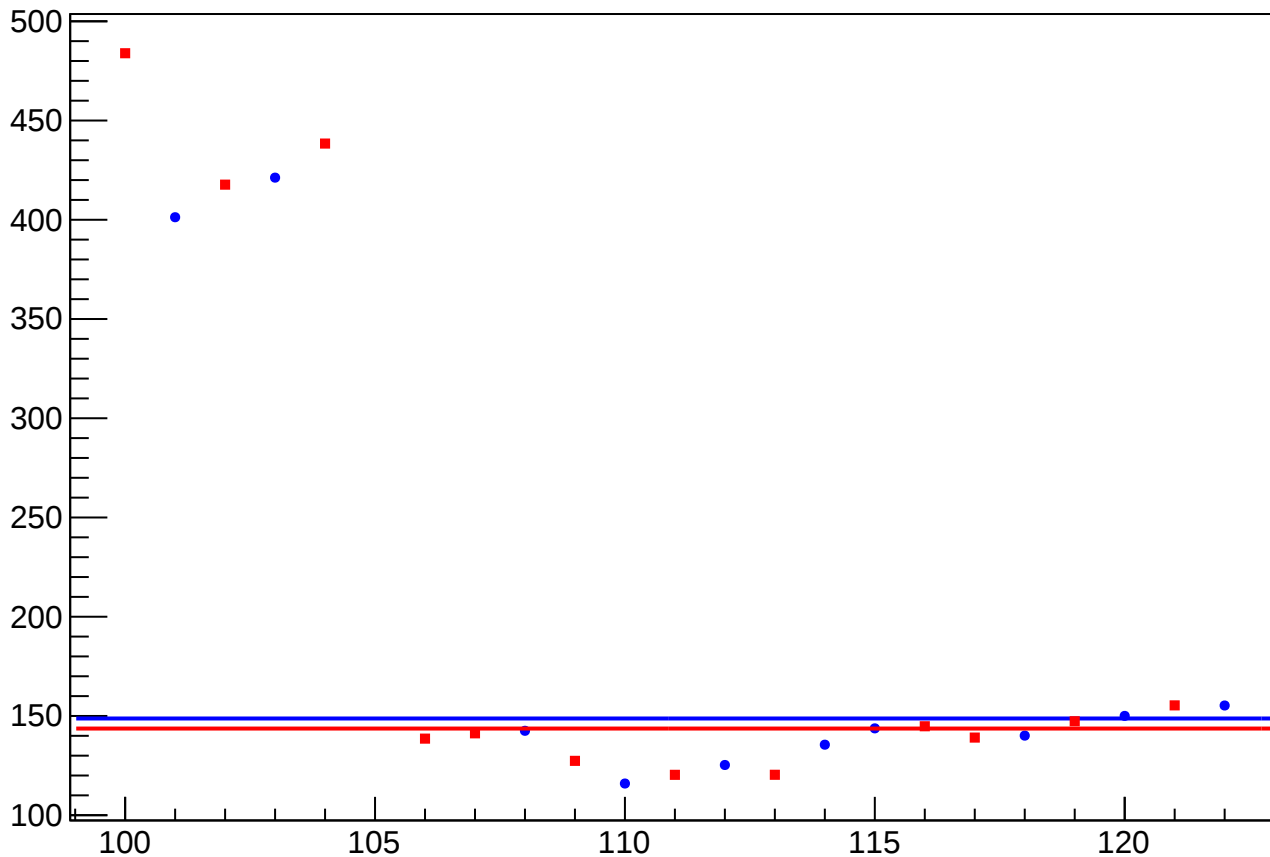
Right Out: 155039.116 $\pm$ 0.074  $\chi^2$ /NDF: 260588967.7/11

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

155246.744 $\pm$ 0.082  $\chi^2$ /NDF: 169235398.5/9

155039.116 $\pm$ 0.074  $\chi^2$ /NDF: 260588967.7/11

yield\_bpm1i02WS\_rms vs Slug



Right In: 148.729+/-0.058  $\chi^2/\text{NDF}$ : 1032165.6/9

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

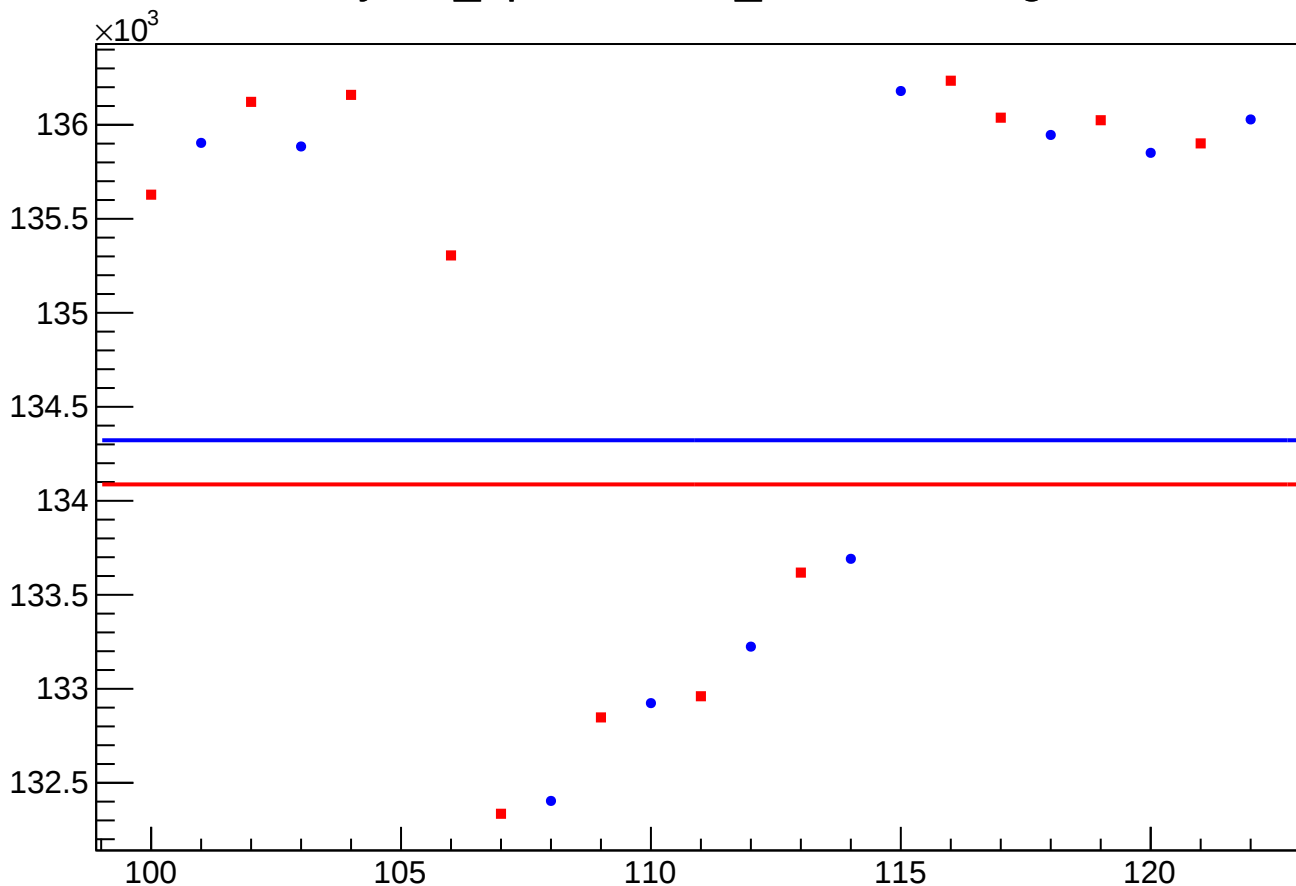
Right Out: 143.662+/-0.053  $\chi^2/\text{NDF}$ : 1069700.1/11

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

148.729+/-0.058  $\chi^2/\text{NDF}$ : 1032165.6/9

143.662+/-0.053  $\chi^2/\text{NDF}$ : 1069700.1/11

# yield\_bpm1i04WS\_mean vs Slug



Right In: 134322.120 $\pm$ 0.062  $\chi^2$ /NDF: 585682915.7/9

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

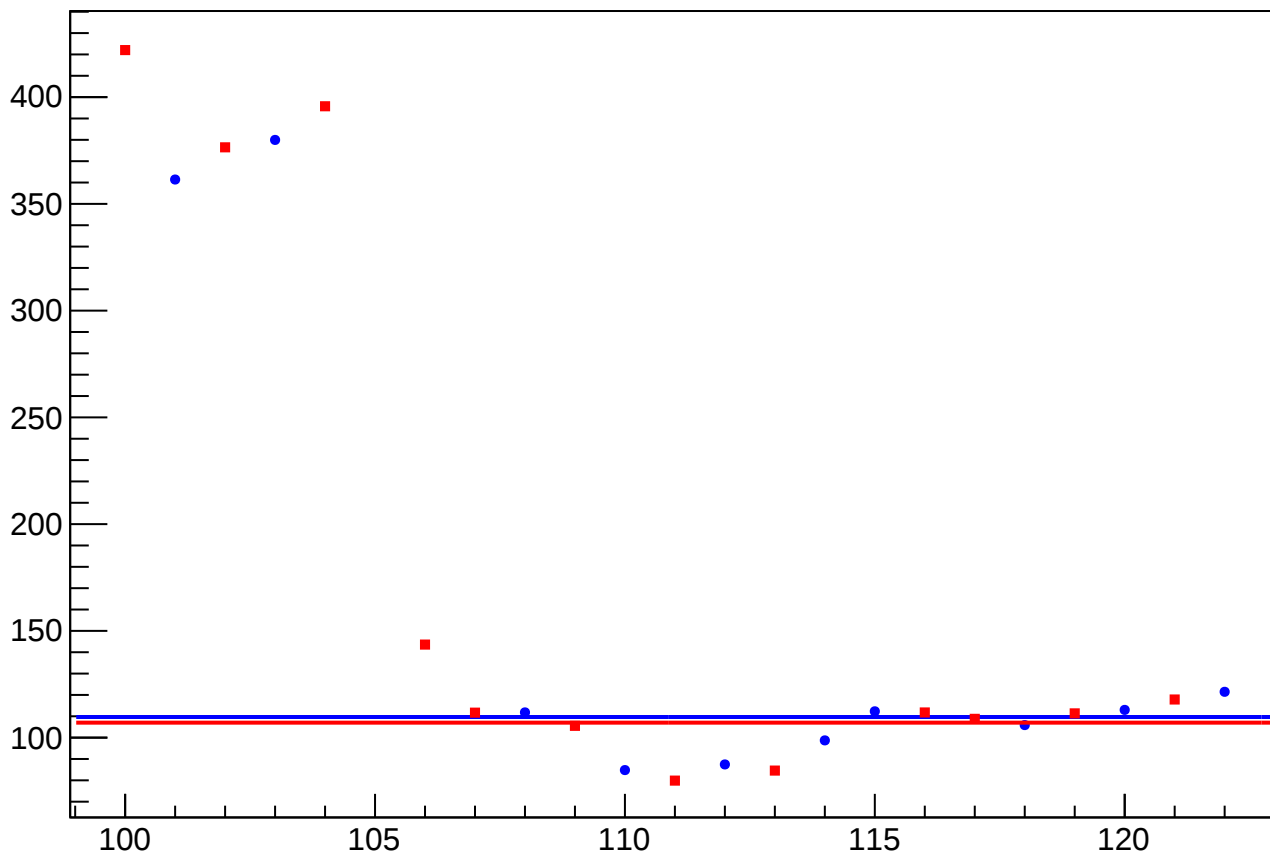
134322.120 $\pm$ 0.062  $\chi^2$ /NDF: 585682915.7/9

Right Out: 134087.251 $\pm$ 0.057  $\chi^2$ /NDF: 639231329.5/11

134087.251 $\pm$ 0.057  $\chi^2$ /NDF: 639231329.5/11

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

# yield\_bpm1i04WS\_rms vs Slug



Right In: 109.660 $\pm$ 0.044  $\chi^2$ /NDF: 1267464.7/9

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

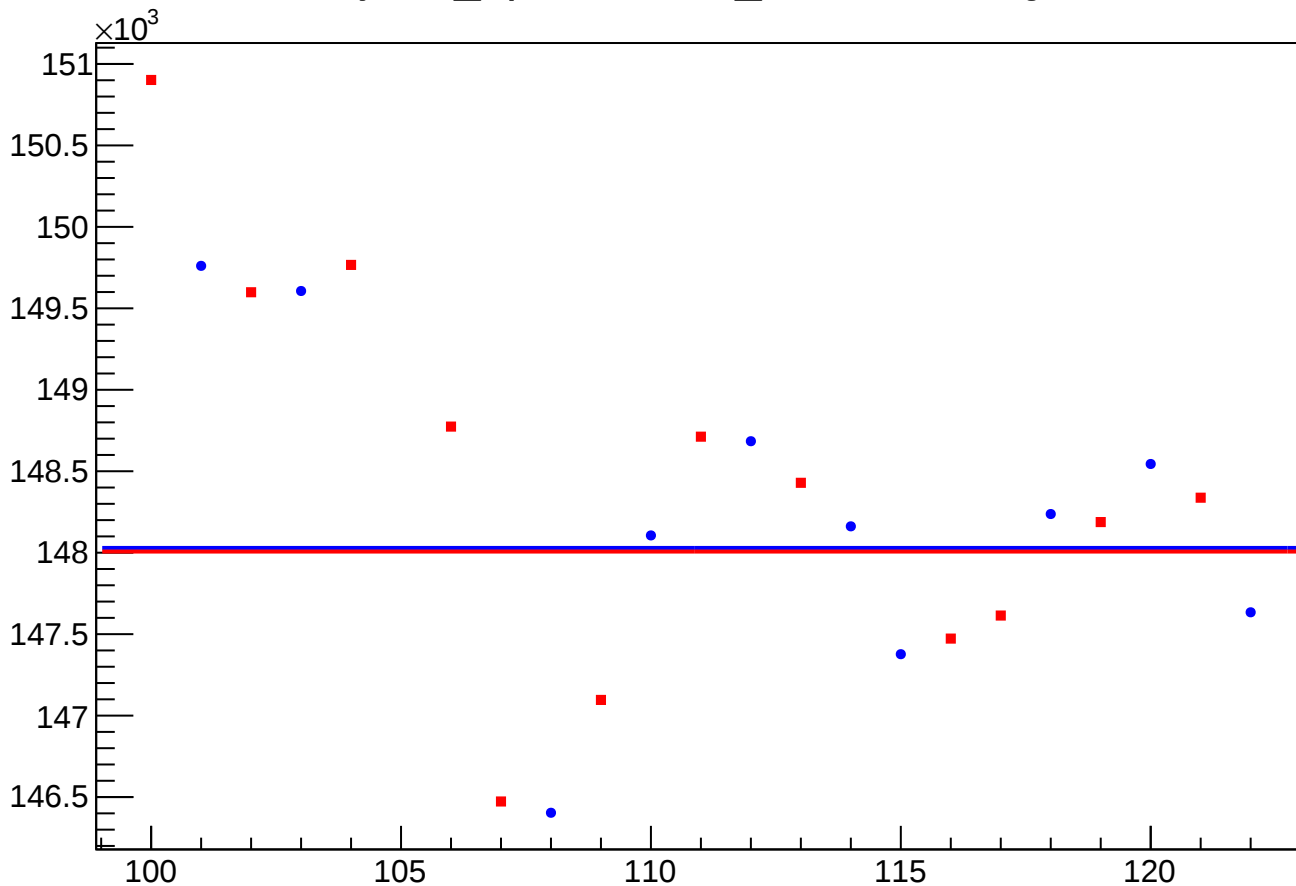
Right Out: 107.015 $\pm$ 0.040  $\chi^2$ /NDF: 1357524.6/11

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

109.660 $\pm$ 0.044  $\chi^2$ /NDF: 1267464.7/9

107.015 $\pm$ 0.040  $\chi^2$ /NDF: 1357524.6/11

# yield\_bpm1i06WS\_mean vs Slug



Right In: 148029.256 $\pm$ 0.078  $\chi^2$ /NDF: 106654821.9/9

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

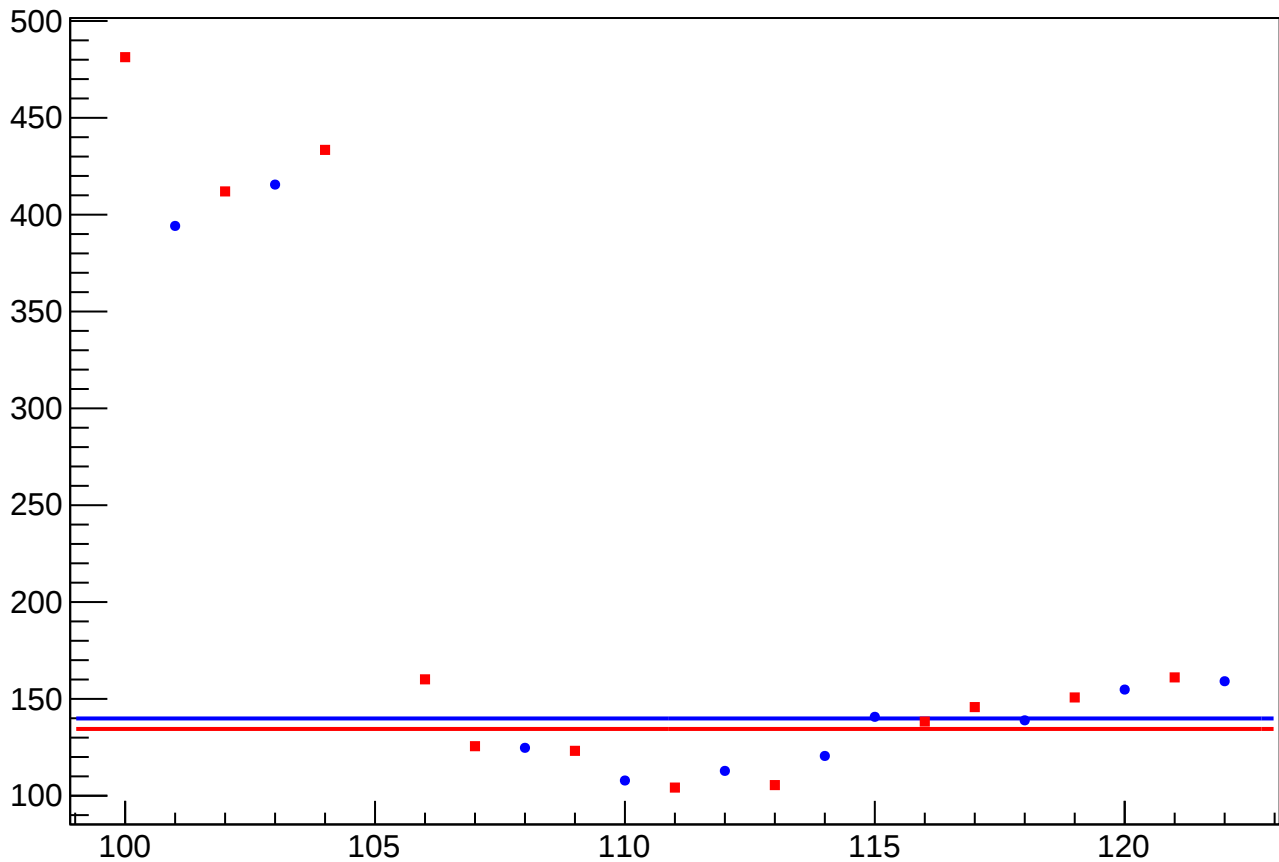
148029.256 $\pm$ 0.078  $\chi^2$ /NDF: 106654821.9/9

Right Out: 148007.027 $\pm$ 0.071  $\chi^2$ /NDF: 136511943.8/11

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

148007.027 $\pm$ 0.071  $\chi^2$ /NDF: 136511943.8/11

# yield\_bpm1i06WS\_rms vs Slug



Right In: 139.898 $\pm$ 0.055  $\chi^2$ /NDF: 1130032.4/9

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

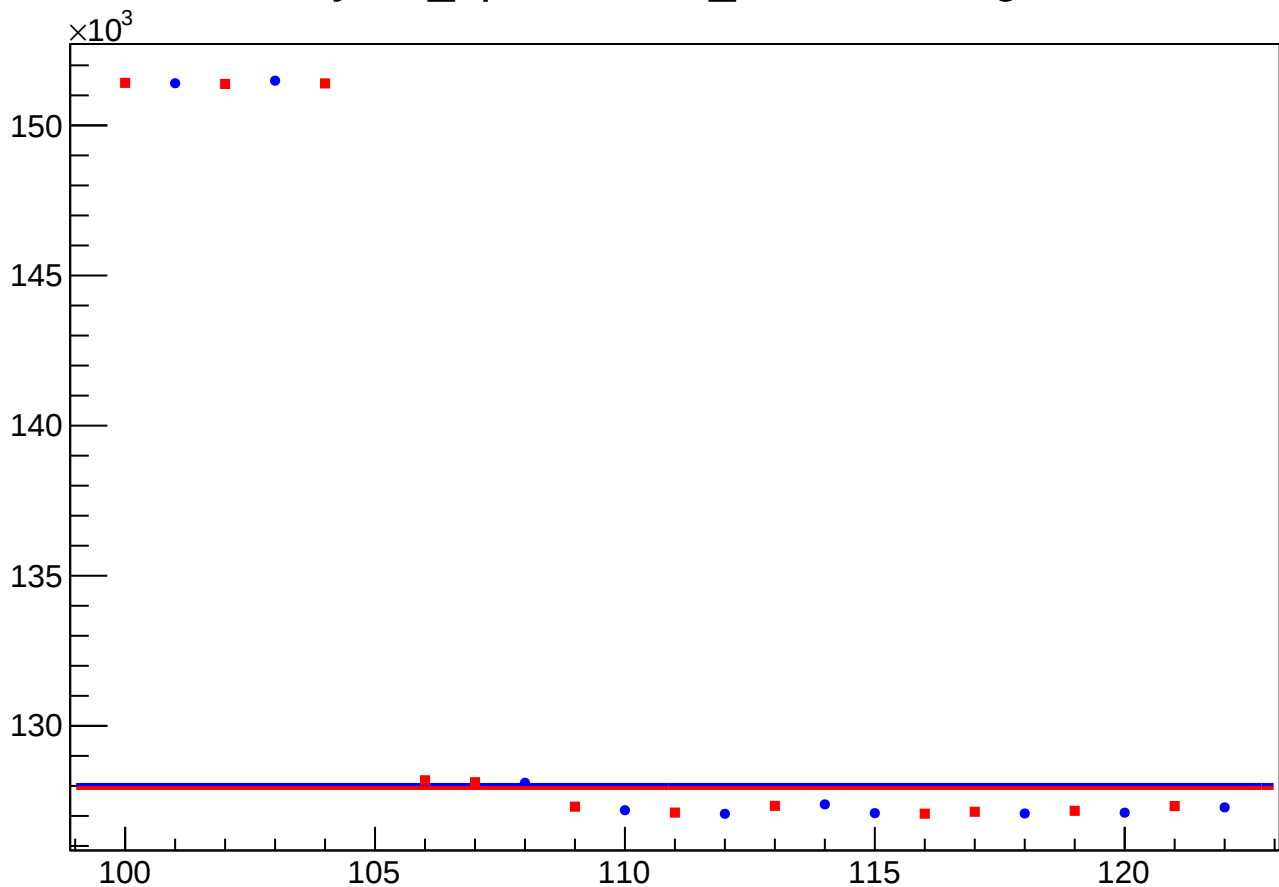
139.898 $\pm$ 0.055  $\chi^2$ /NDF: 1130032.4/9

Right Out: 134.481 $\pm$ 0.050  $\chi^2$ /NDF: 1230952.1/11

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

134.481 $\pm$ 0.050  $\chi^2$ /NDF: 1230952.1/11

# yield\_bpm2i01WS\_mean vs Slug



Right In: 128032.000 $\pm$ 0.066  $\chi^2$ /NDF: 4156244692.8/9

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

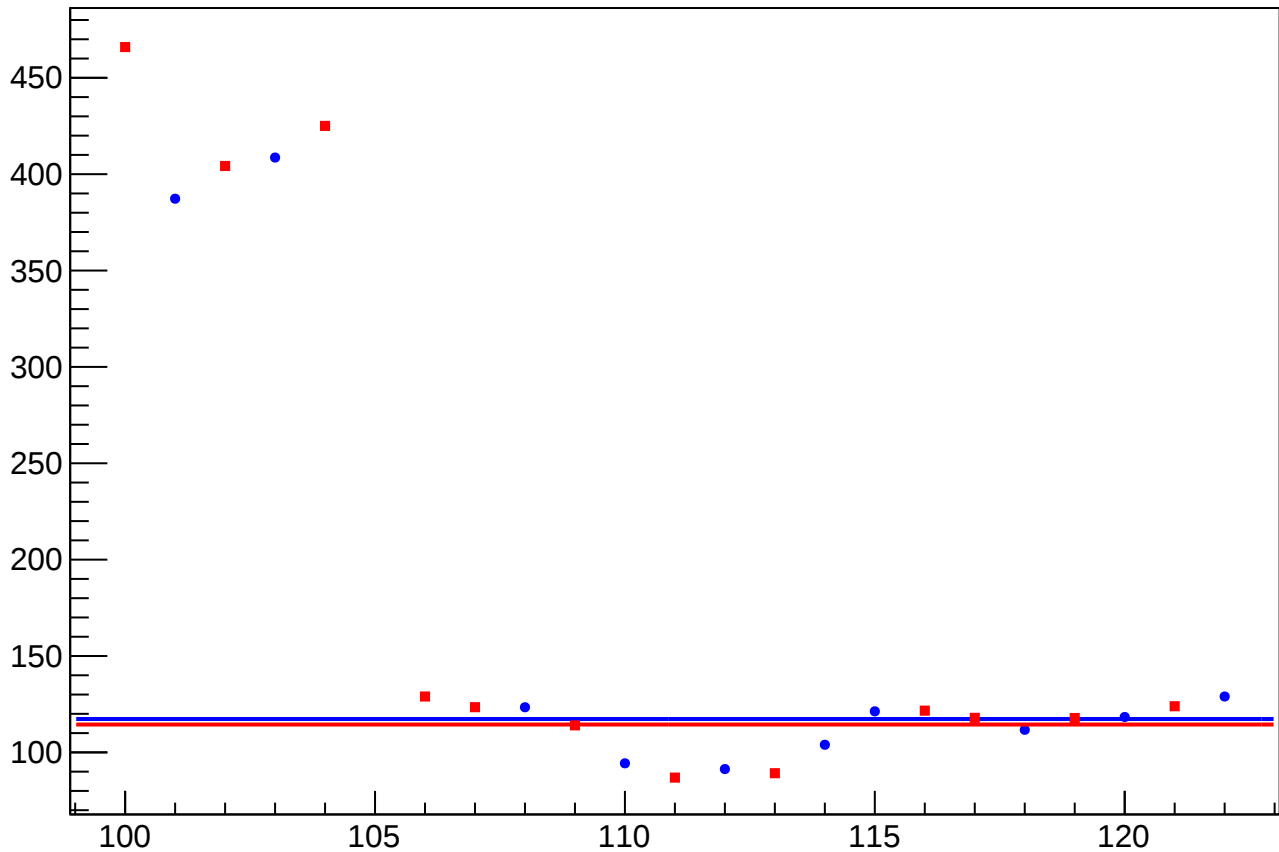
Right Out: 127931.540 $\pm$ 0.061  $\chi^2$ /NDF: 3629307095.3/11

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

128032.000 $\pm$ 0.066  $\chi^2$ /NDF: 4156244692.8/9

127931.540 $\pm$ 0.061  $\chi^2$ /NDF: 3629307095.3/11

# yield\_bpm2i01WS\_rms vs Slug



Right In: 117.327 $\pm$ 0.047  $\chi^2$ /NDF: 1267419.5/9

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

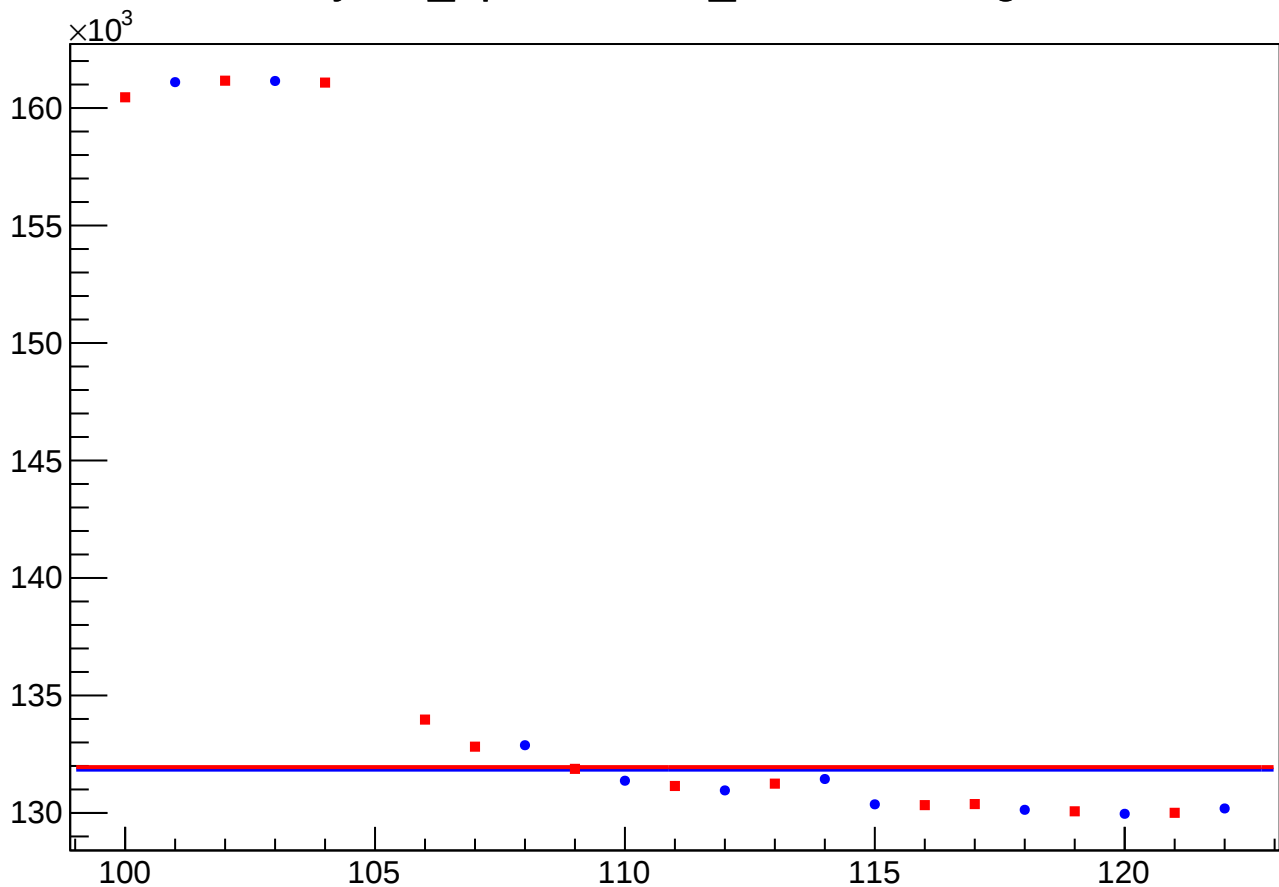
117.327 $\pm$ 0.047  $\chi^2$ /NDF: 1267419.5/9

Right Out: 114.447 $\pm$ 0.043  $\chi^2$ /NDF: 1335819.5/11

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

114.447 $\pm$ 0.043  $\chi^2$ /NDF: 1335819.5/11

yield\_bpm2i02WS\_mean vs Slug



Right In: 131843.486 $\pm$ 0.070  $\chi^2$ /NDF: 5957496680.7/9

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

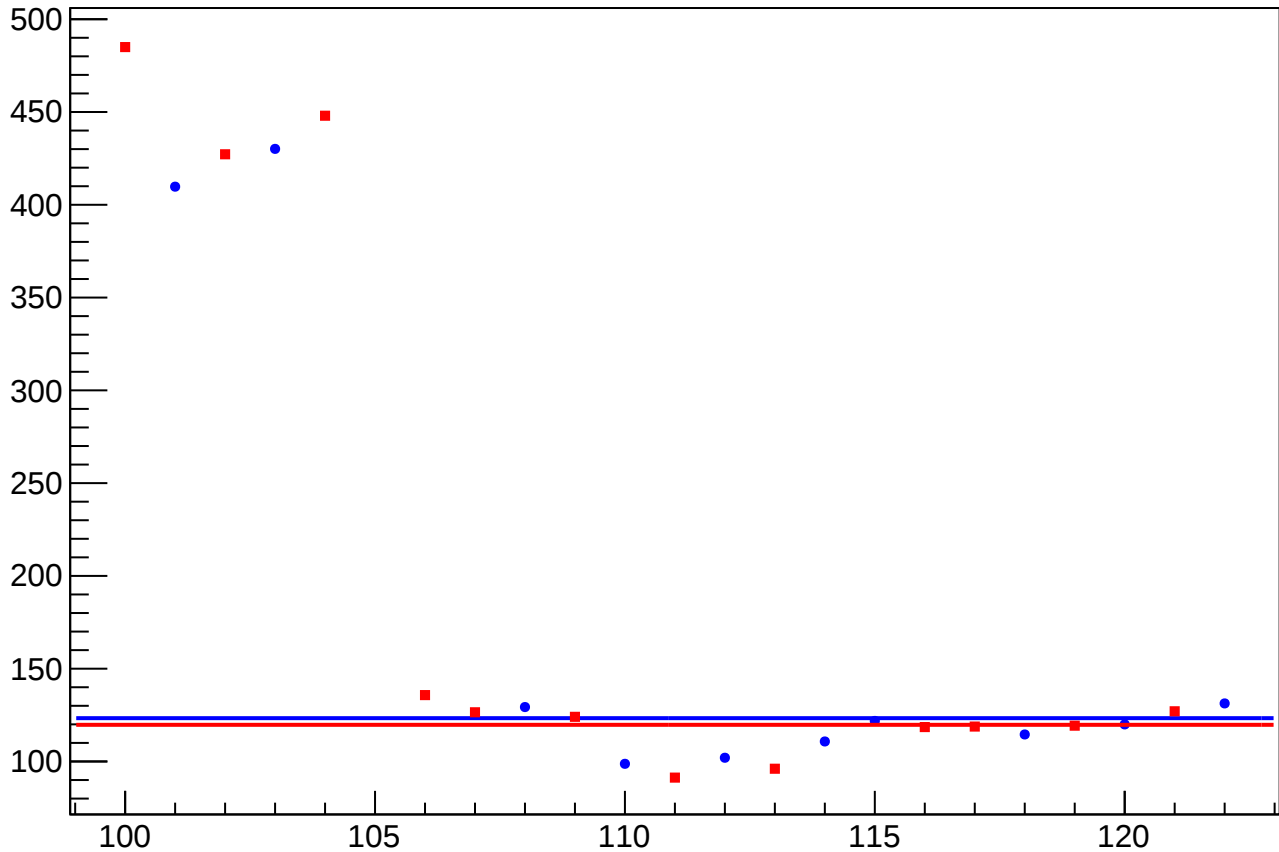
131843.486 $\pm$ 0.070  $\chi^2$ /NDF: 5957496680.7/9

Right Out: 131950.862 $\pm$ 0.063  $\chi^2$ /NDF: 5275587703.3/11

131950.862 $\pm$ 0.063  $\chi^2$ /NDF: 5275587703.3/11

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

# yield\_bpm2i02WS\_rms vs Slug



Right In: 123.338 $\pm$ 0.049  $\chi^2$ /NDF: 1241776.6/9

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

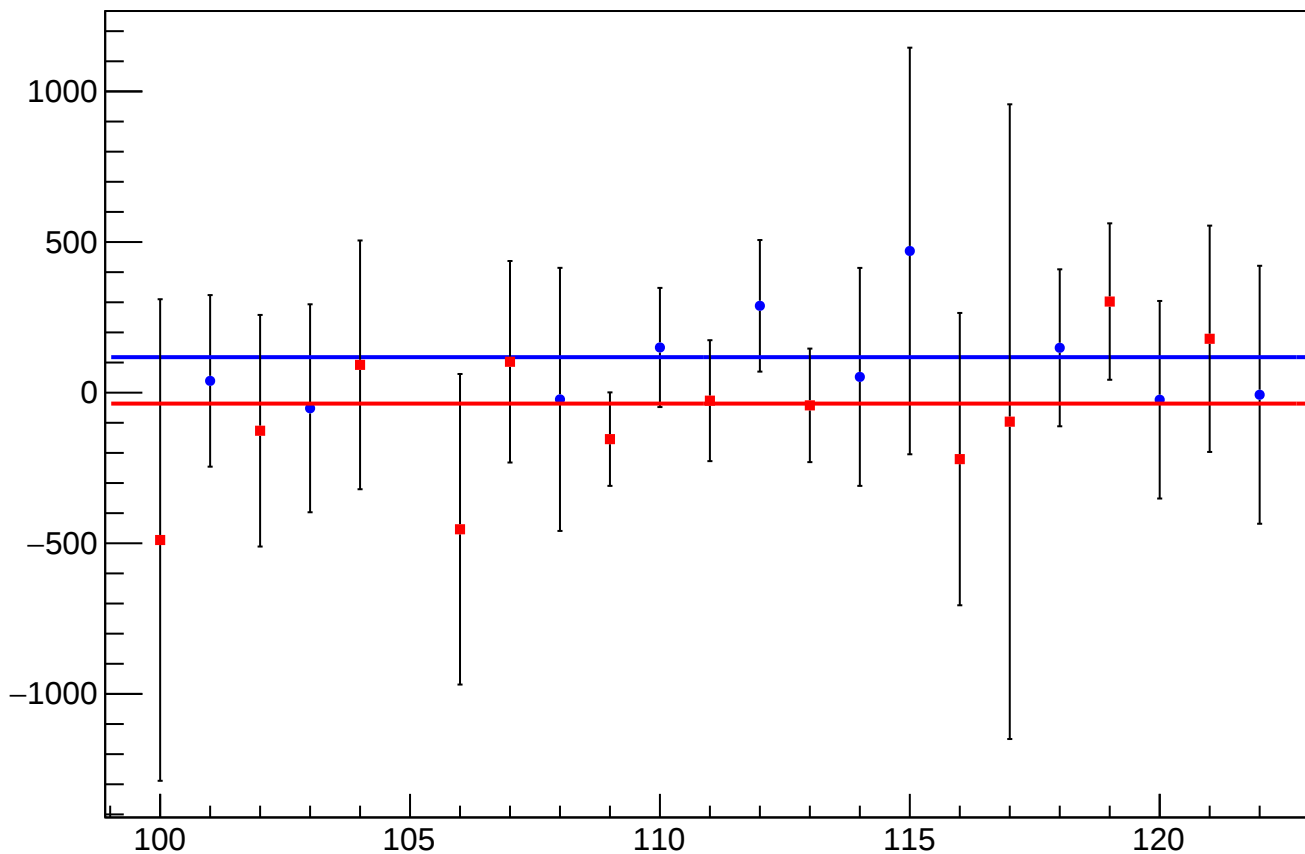
123.338 $\pm$ 0.049  $\chi^2$ /NDF: 1241776.6/9

Right Out: 119.752 $\pm$ 0.045  $\chi^2$ /NDF: 1318816.6/11

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

119.752 $\pm$ 0.045  $\chi^2$ /NDF: 1318816.6/11

# asym\_bcm\_an\_ds\_mean vs Slug



Right In: 117.848 $\pm$ 94.570  $\chi^2$ /NDF: 1.6/9

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

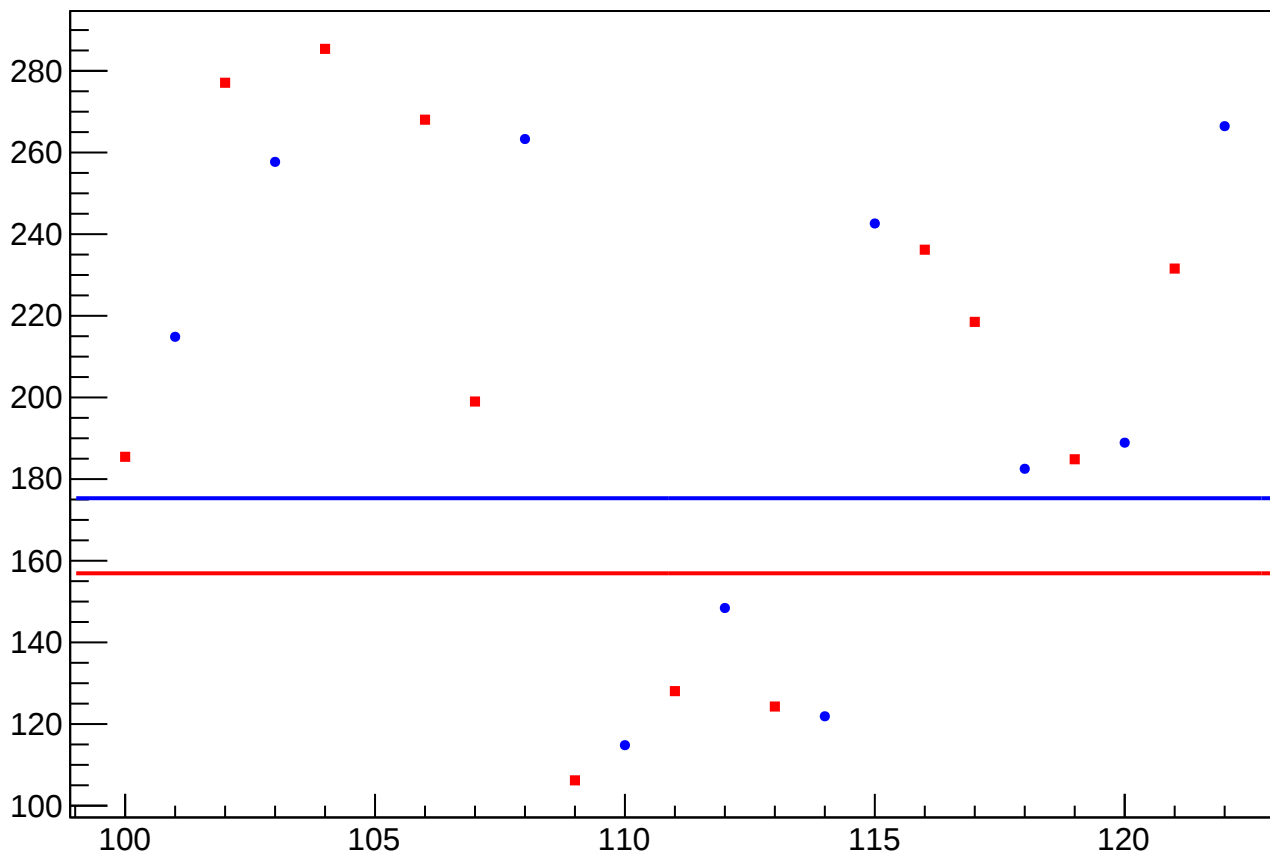
Right Out: -36.307 $\pm$ 82.068  $\chi^2$ /NDF: 4.1/11

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

117.848 $\pm$ 94.570  $\chi^2$ /NDF: 1.6/9

-36.307 $\pm$ 82.068  $\chi^2$ /NDF: 4.1/11

# asym\_bcm\_an\_ds\_rms vs Slug



Right In: 175.315+/-0.067  $\chi^2/\text{NDF}$ : 610208.9/9

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

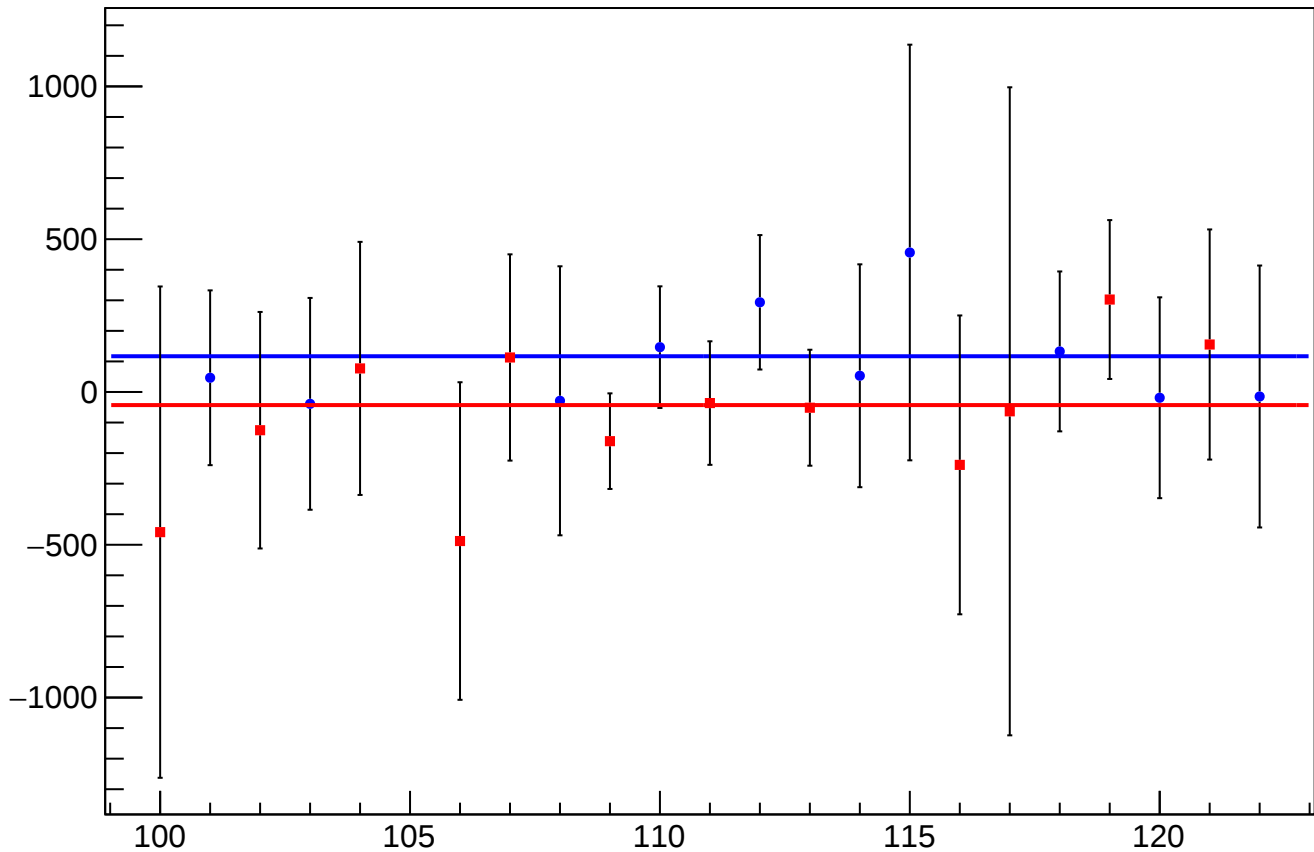
Right Out: 156.926+/-0.058  $\chi^2/\text{NDF}$ : 993472.2/11

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

175.315+/-0.067  $\chi^2/\text{NDF}$ : 610208.9/9

156.926+/-0.058  $\chi^2/\text{NDF}$ : 993472.2/11

# asym\_bcm\_an\_ds3\_mean vs Slug



Right In: 116.956 $\pm$ 95.084  $\chi^2$ /NDF: 1.6/9

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

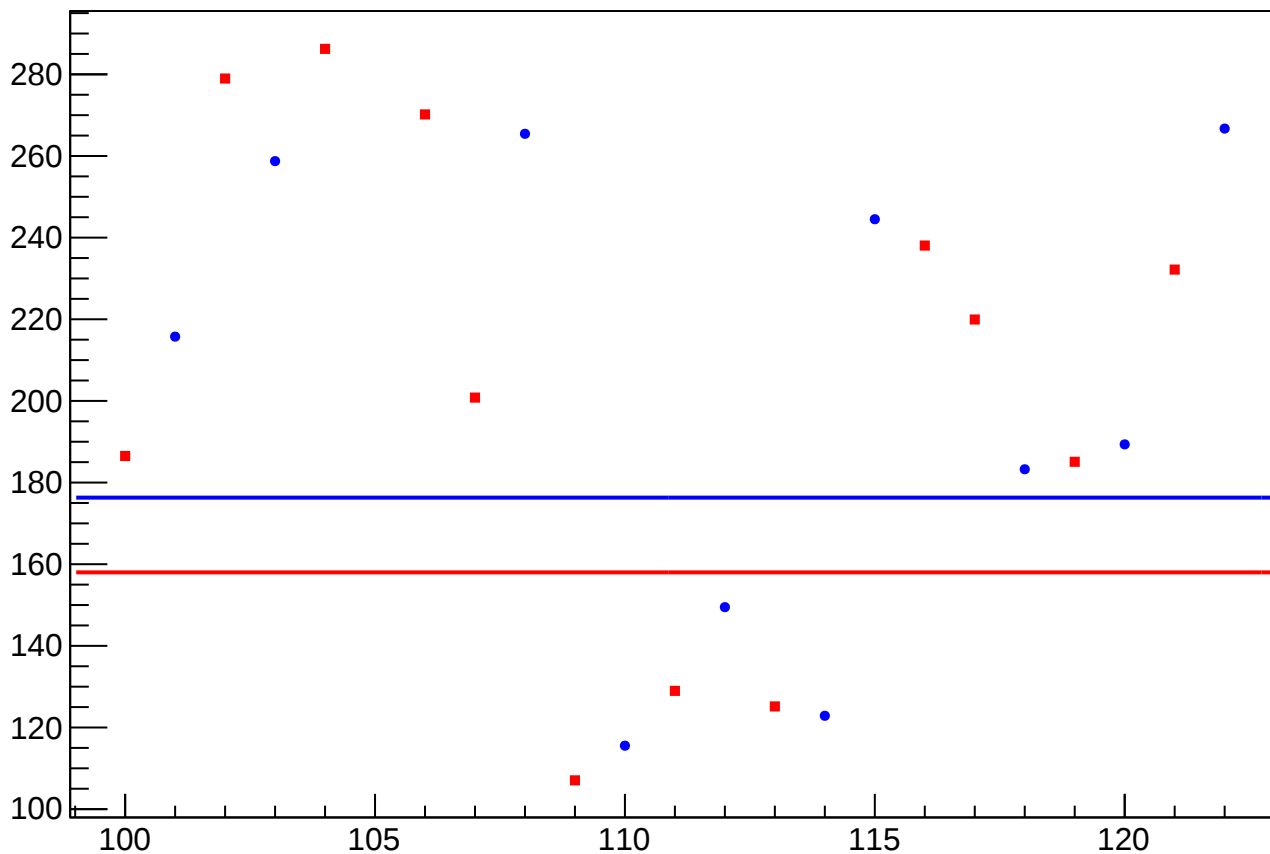
Right Out: -42.892 $\pm$ 82.605  $\chi^2$ /NDF: 4.1/11

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

116.956 $\pm$ 95.084  $\chi^2$ /NDF: 1.6/9

-42.892 $\pm$ 82.605  $\chi^2$ /NDF: 4.1/11

# asym\_bcm\_an\_ds3\_rms vs Slug



Right In: 176.309+/-0.067  $\chi^2/\text{NDF}$ : 605900.6/9

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

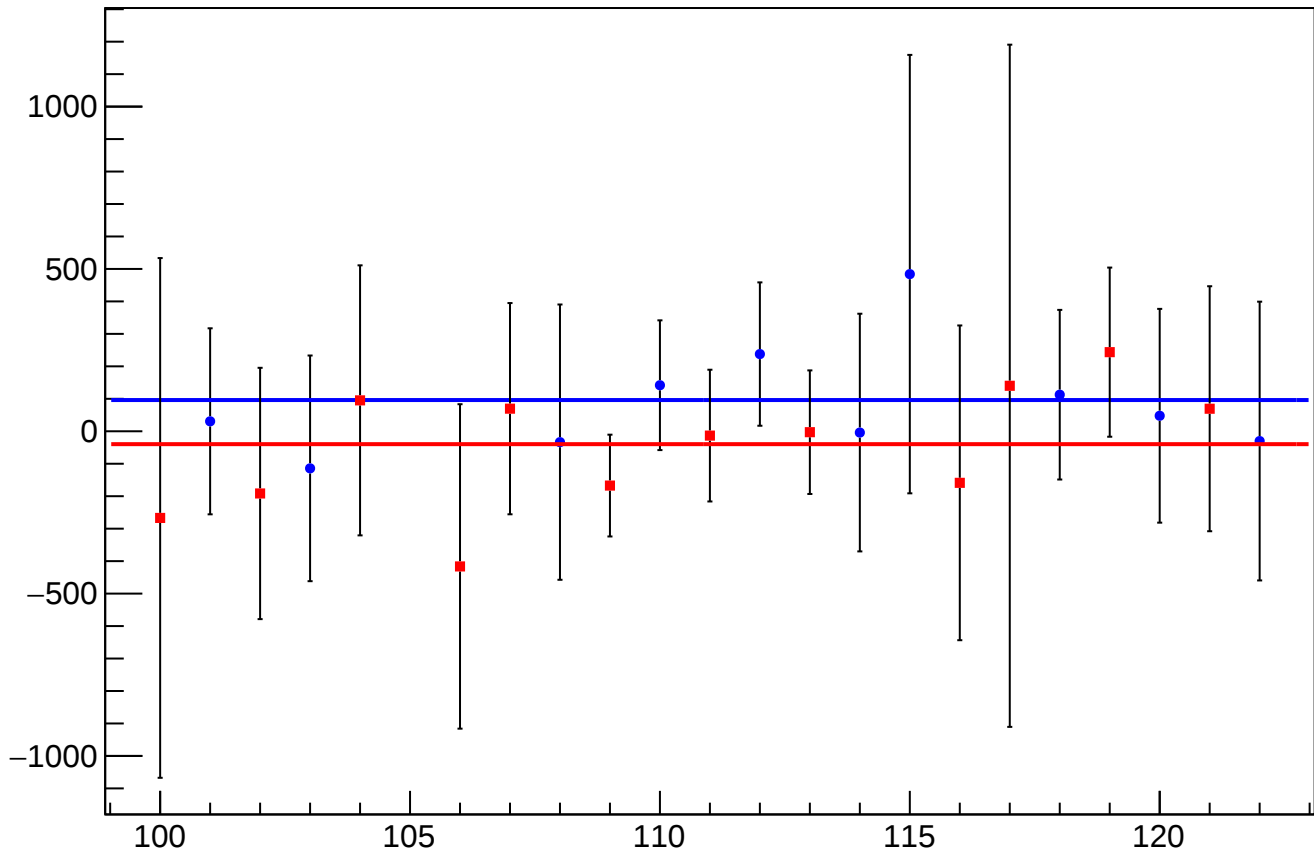
Right Out: 158.004+/-0.058  $\chi^2/\text{NDF}$ : 987998.9/11

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

176.309+/-0.067  $\chi^2/\text{NDF}$ : 605900.6/9

158.004+/-0.058  $\chi^2/\text{NDF}$ : 987998.9/11

# asym\_bcm\_an\_us\_mean vs Slug



Right In: 96.186+/-95.111  $\chi^2/\text{NDF}$ : 1.5/9

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

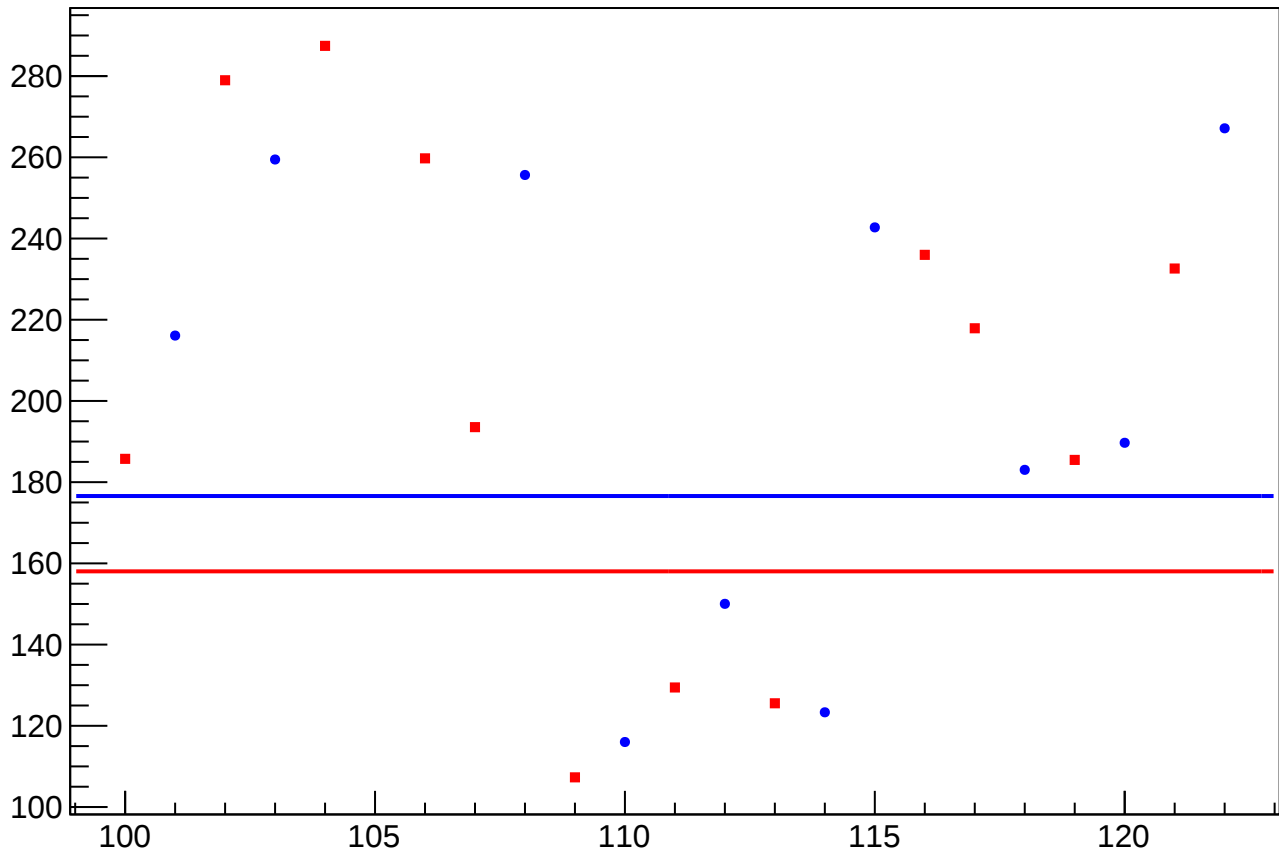
Right Out: -39.684+/-82.484  $\chi^2/\text{NDF}$ : 3.1/11

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

96.186+/-95.111  $\chi^2/\text{NDF}$ : 1.5/9

-39.684+/-82.484  $\chi^2/\text{NDF}$ : 3.1/11

# asym\_bcm\_an\_us\_rms vs Slug



Right In: 176.587 $\pm$ 0.067  $\chi^2$ /NDF: 588950.1/9

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

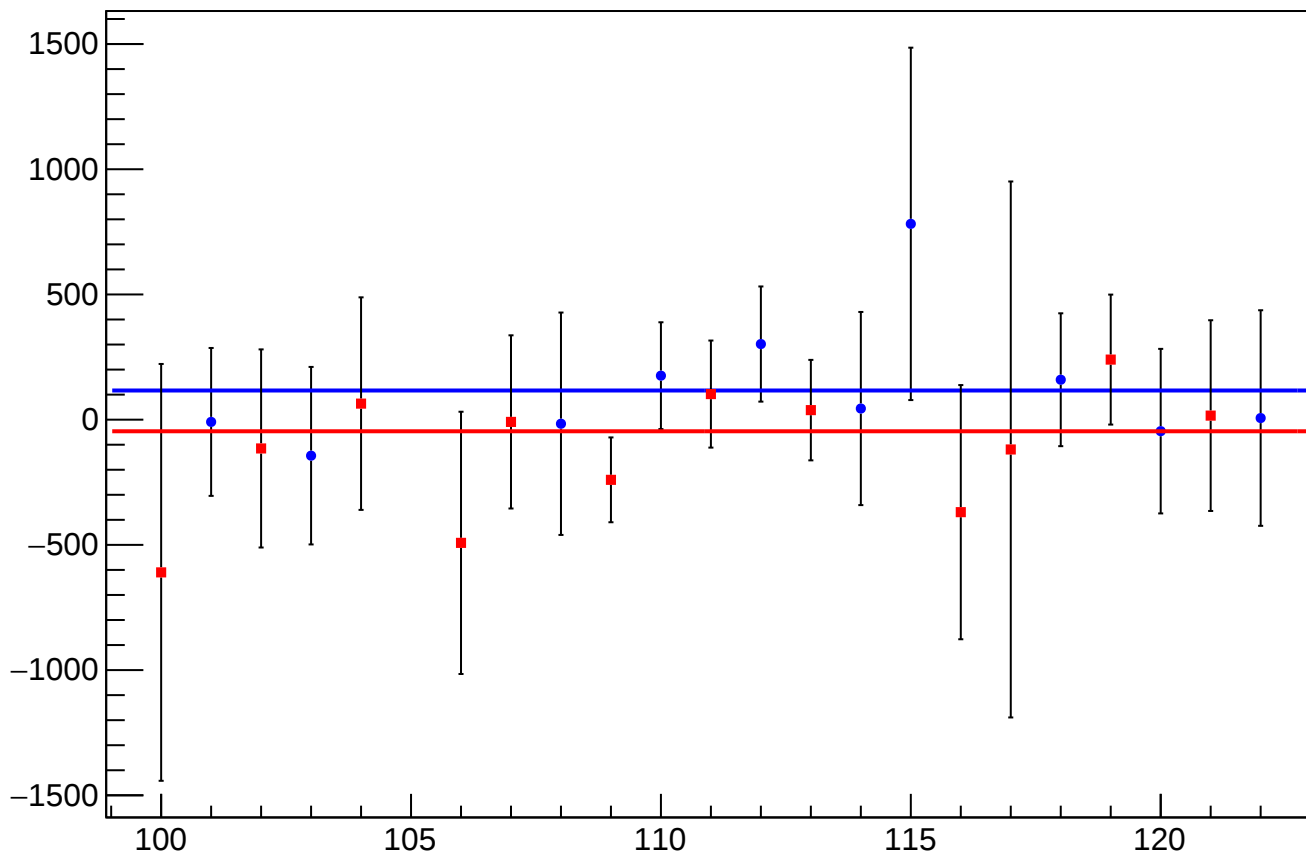
Right Out: 158.036 $\pm$ 0.058  $\chi^2$ /NDF: 964023.5/11

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

176.587 $\pm$ 0.067  $\chi^2$ /NDF: 588950.1/9

158.036 $\pm$ 0.058  $\chi^2$ /NDF: 964023.5/11

# asym\_bcm\_dg\_us\_mean vs Slug



Right In: 116.484 $\pm$ 98.523  $\chi^2$ /NDF: 2.8/9

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

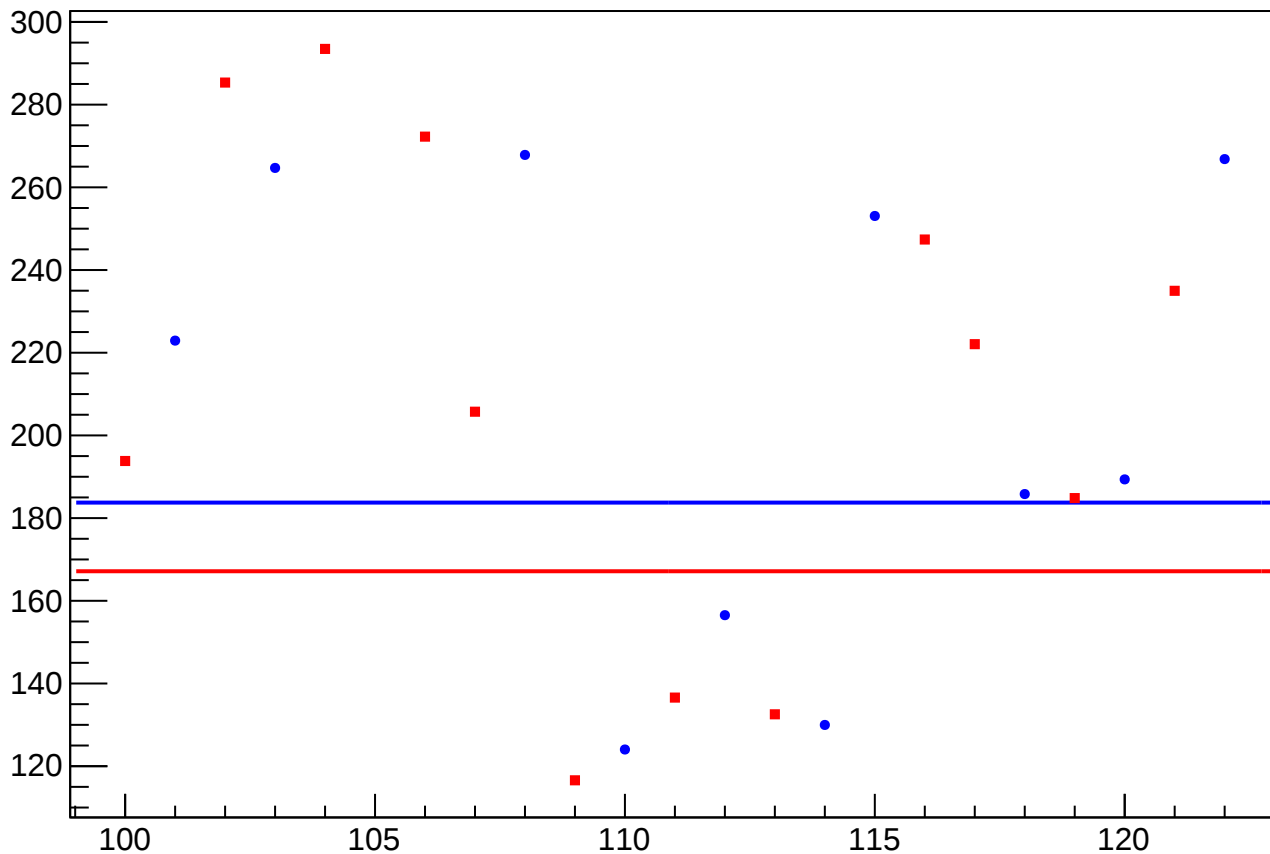
Right Out: -46.340 $\pm$ 86.550  $\chi^2$ /NDF: 4.9/11

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

116.484 $\pm$ 98.523  $\chi^2$ /NDF: 2.8/9

-46.340 $\pm$ 86.550  $\chi^2$ /NDF: 4.9/11

# asym\_bcm\_dg\_us\_rms vs Slug



Right In: 183.752 $\pm$ 0.070  $\chi^2$ /NDF: 529618.9/9

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

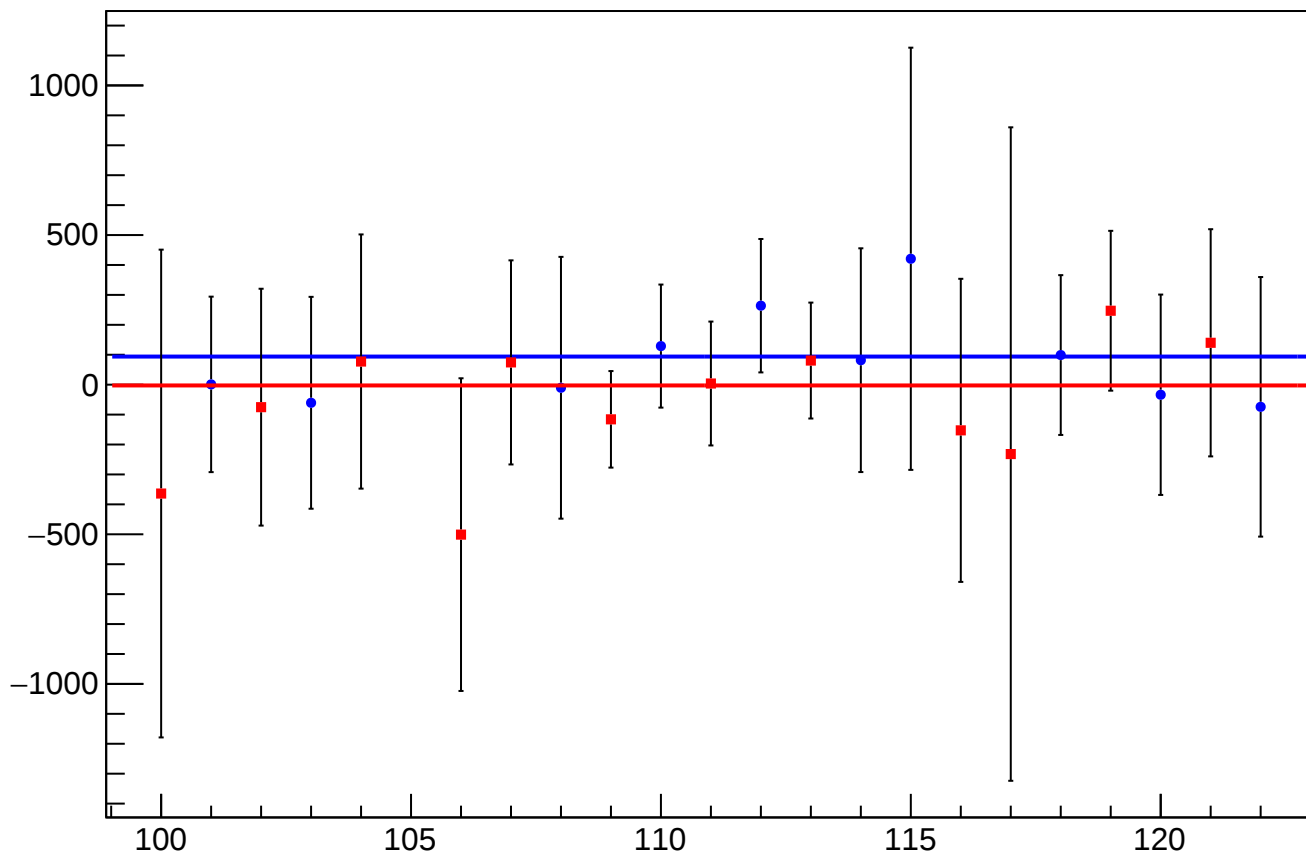
Right Out: 167.148 $\pm$ 0.061  $\chi^2$ /NDF: 869911.1/11

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

183.752 $\pm$ 0.070  $\chi^2$ /NDF: 529618.9/9

167.148 $\pm$ 0.061  $\chi^2$ /NDF: 869911.1/11

# asym\_bcm\_dg\_ds\_mean vs Slug



Right In: 93.924+/-97.111  $\chi^2/\text{NDF}$ : 1.5/9

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

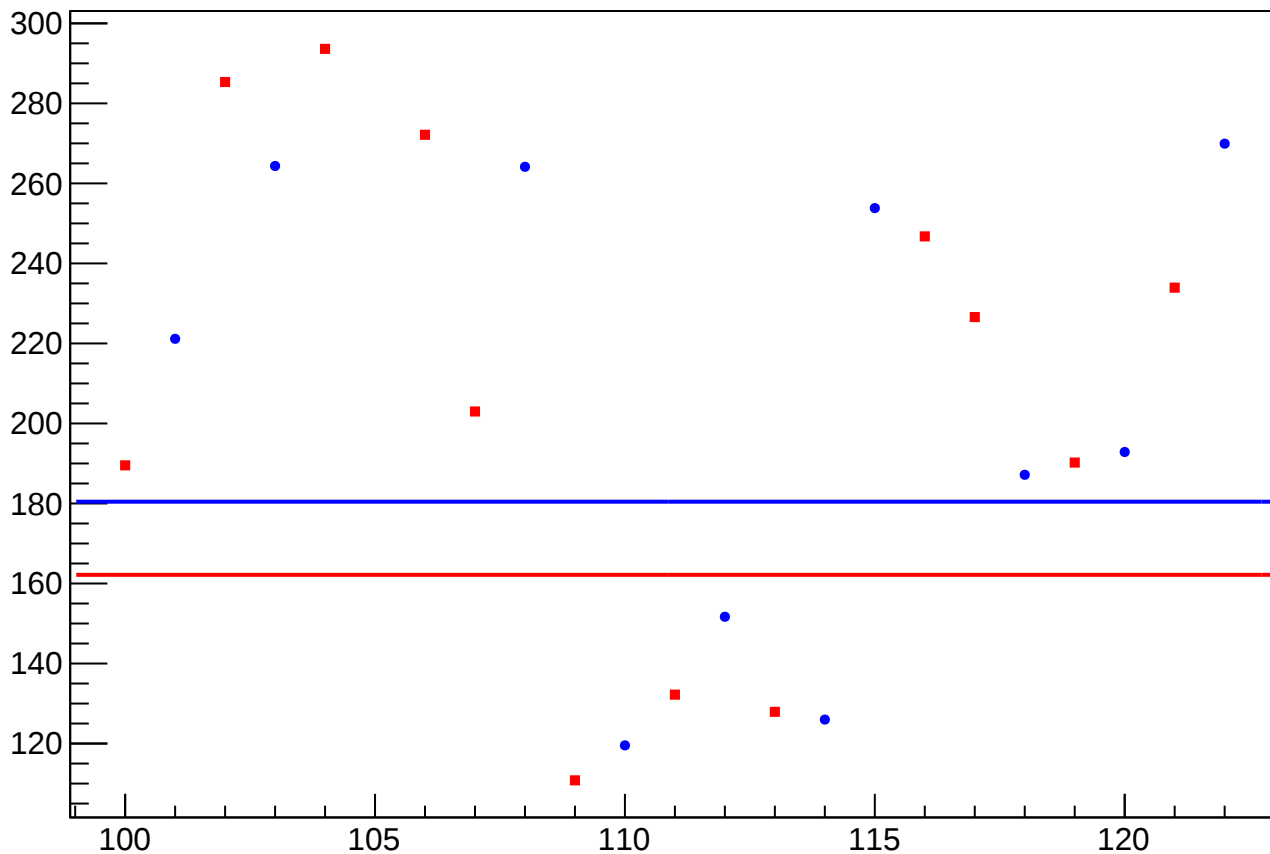
Right Out: -2.593+/-84.571  $\chi^2/\text{NDF}$ : 3.1/11

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

93.924+/-97.111  $\chi^2/\text{NDF}$ : 1.5/9

-2.593+/-84.571  $\chi^2/\text{NDF}$ : 3.1/11

# asym\_bcm\_dg\_ds\_rms vs Slug



Right In: 180.445+/-0.069  $\chi^2/\text{NDF}$ : 586099.2/9

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

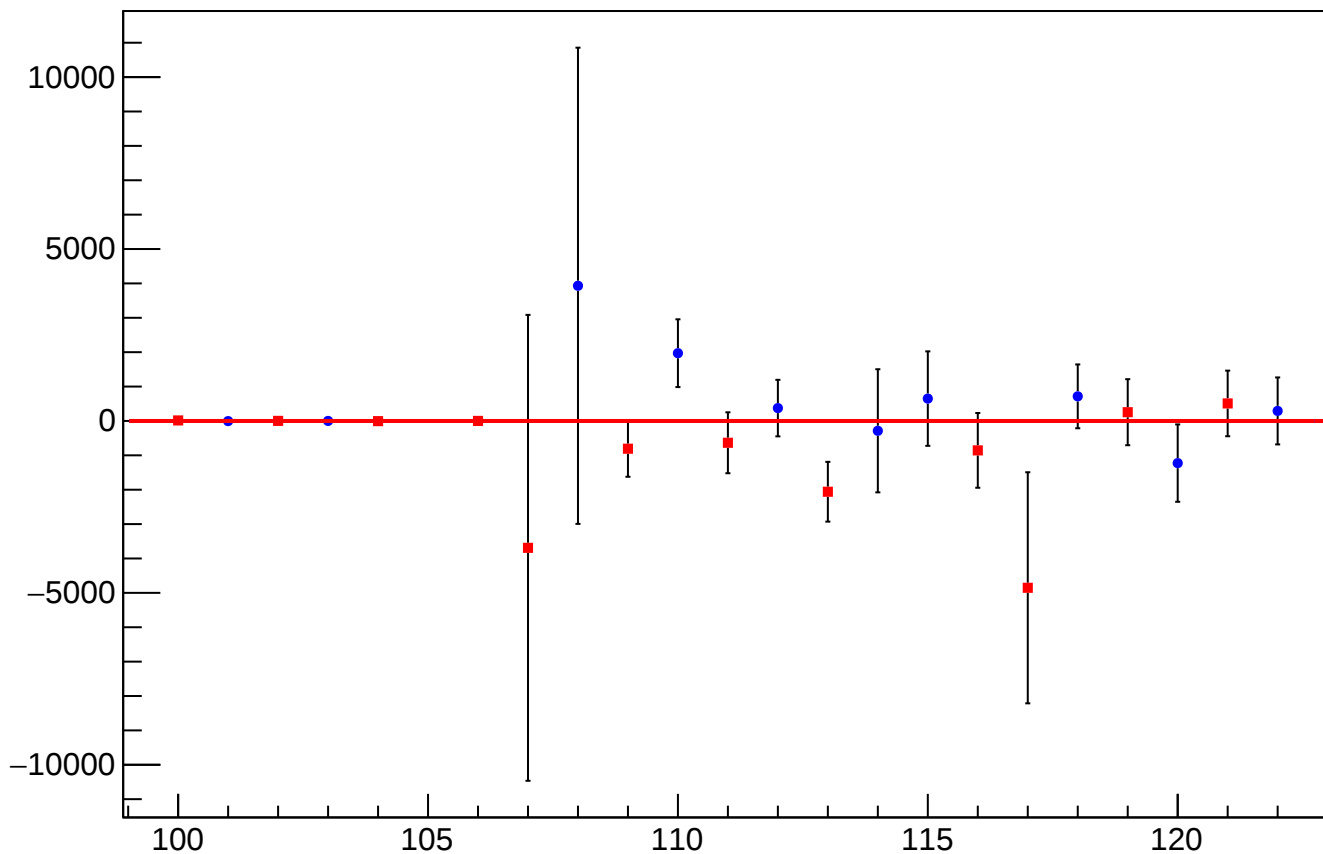
Right Out: 162.171+/-0.060  $\chi^2/\text{NDF}$ : 968253.6/11

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

180.445+/-0.069  $\chi^2/\text{NDF}$ : 586099.2/9

162.171+/-0.060  $\chi^2/\text{NDF}$ : 968253.6/11

# asym\_cav4bQ\_mean vs Slug



Right In: -1.505+/-2.252  $\chi^2/\text{NDF}$ : 8.0/9

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

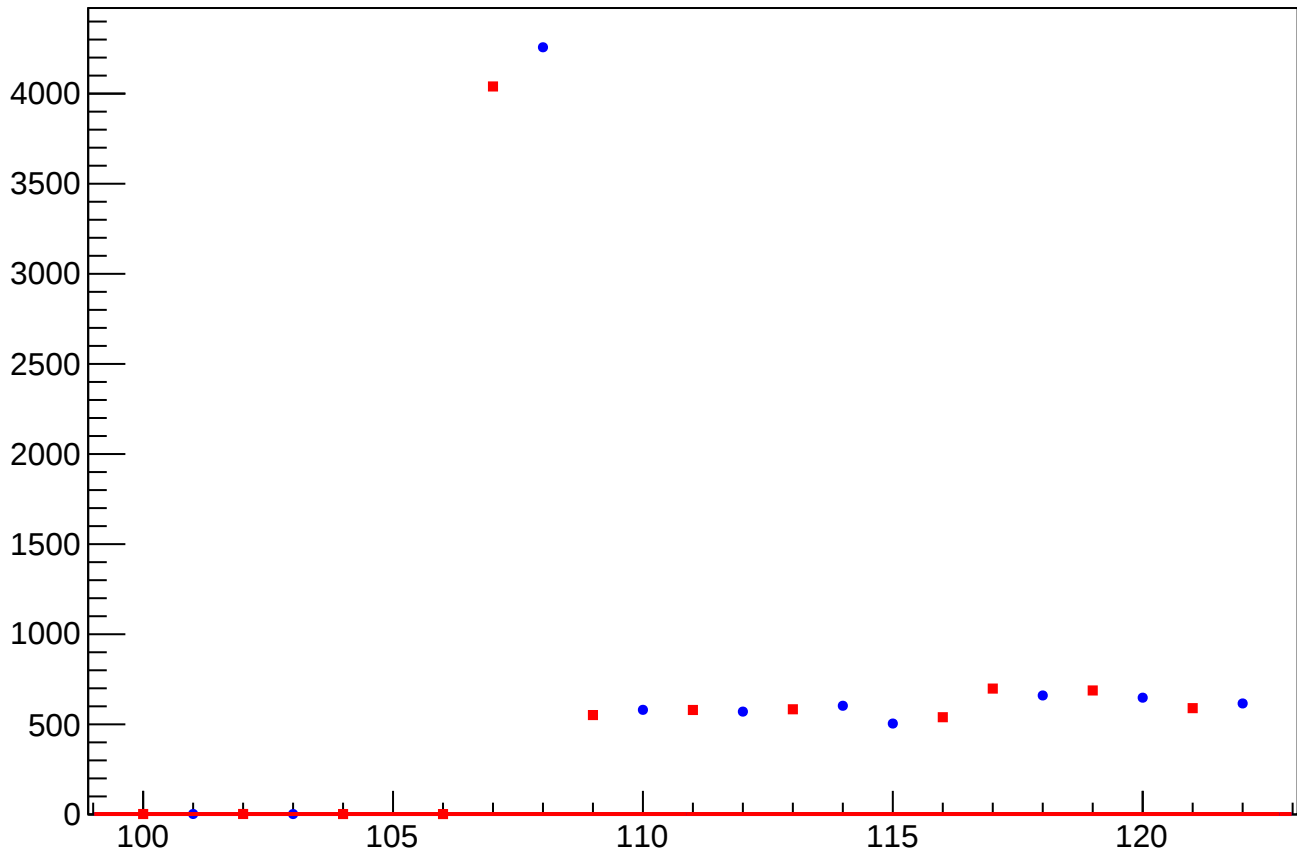
Right Out: -0.735+/-2.111  $\chi^2/\text{NDF}$ : 16.4/11

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

-1.505+/-2.252  $\chi^2/\text{NDF}$ : 8.0/9

-0.735+/-2.111  $\chi^2/\text{NDF}$ : 16.4/11

# asym\_cav4bQ\_rms vs Slug



Right In: 2.430+/-0.002     $\chi^2/\text{NDF}$ : 5361244.2/9

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

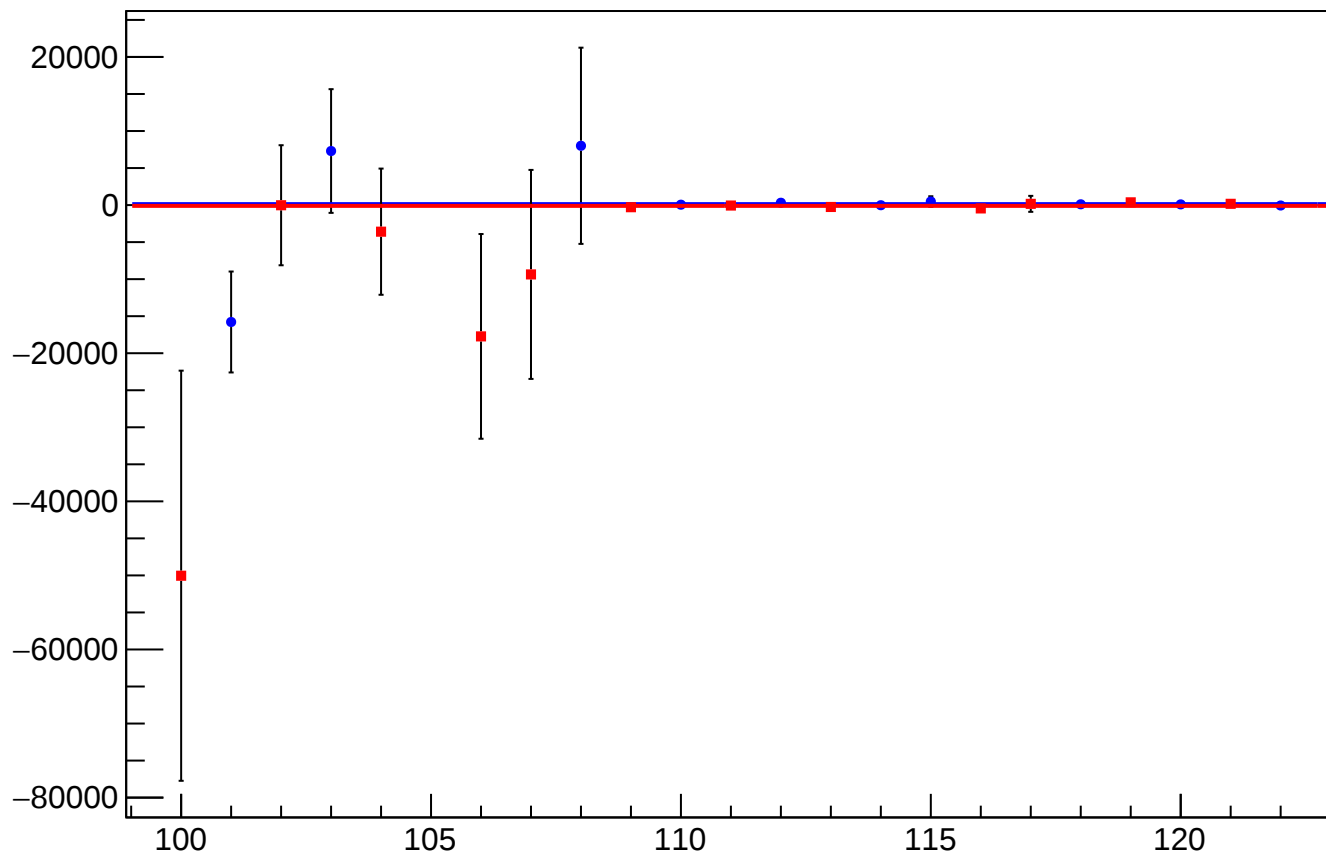
Right Out: 2.415+/-0.001     $\chi^2/\text{NDF}$ : 5722373.1/11

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

2.430+/-0.002     $\chi^2/\text{NDF}$ : 5361244.2/9

2.415+/-0.001     $\chi^2/\text{NDF}$ : 5722373.1/11

# asym\_cav4cQ\_mean vs Slug



Right In: 127.665+/-113.895  $\chi^2/\text{NDF}$ : 8.0/9

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

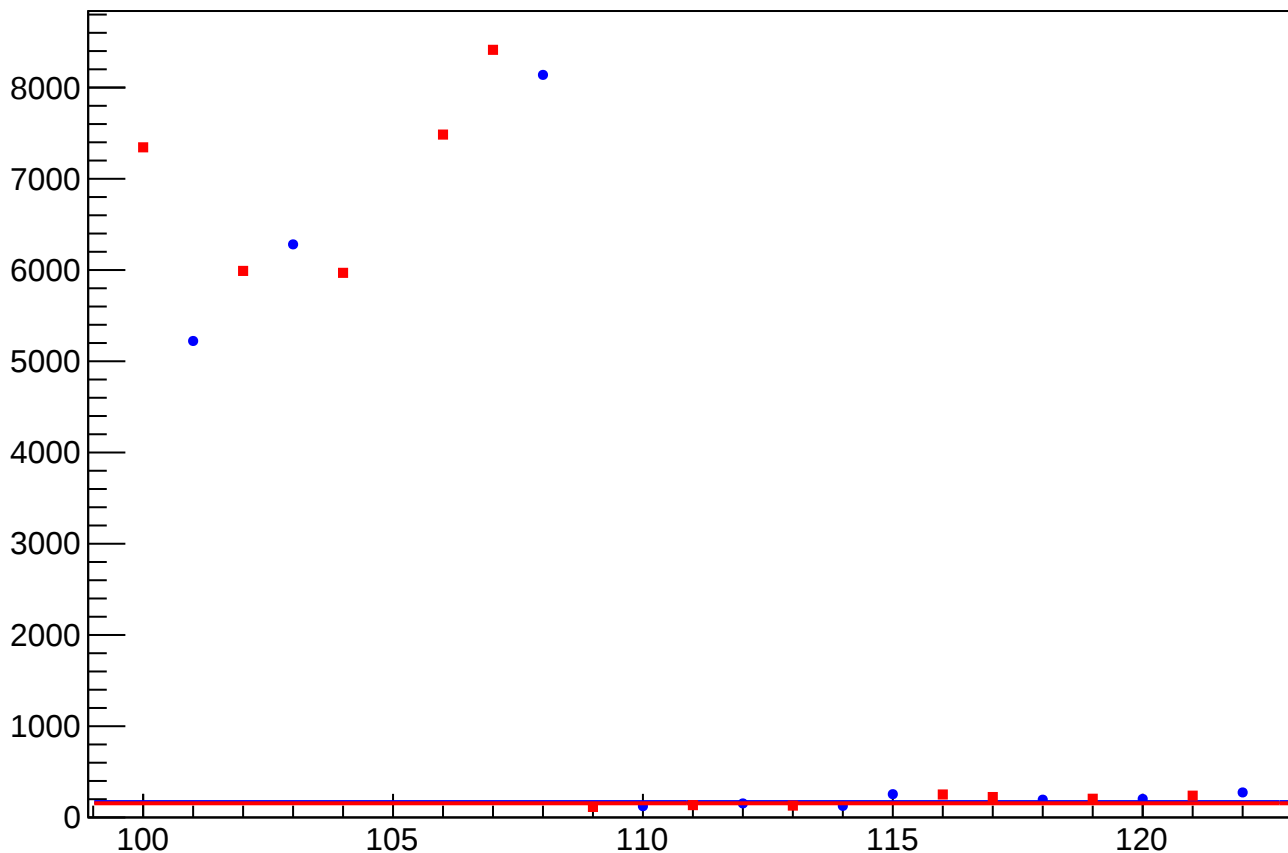
Right Out: -105.051+/-105.285  $\chi^2/\text{NDF}$ : 10.5/11

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

127.665+/-113.895  $\chi^2/\text{NDF}$ : 8.0/9

-105.051+/-105.285  $\chi^2/\text{NDF}$ : 10.5/11

# asym\_cav4cQ\_rms vs Slug



Right In: 168.474+/-0.081  $\chi^2/\text{NDF}$ : 3201748.1/9

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

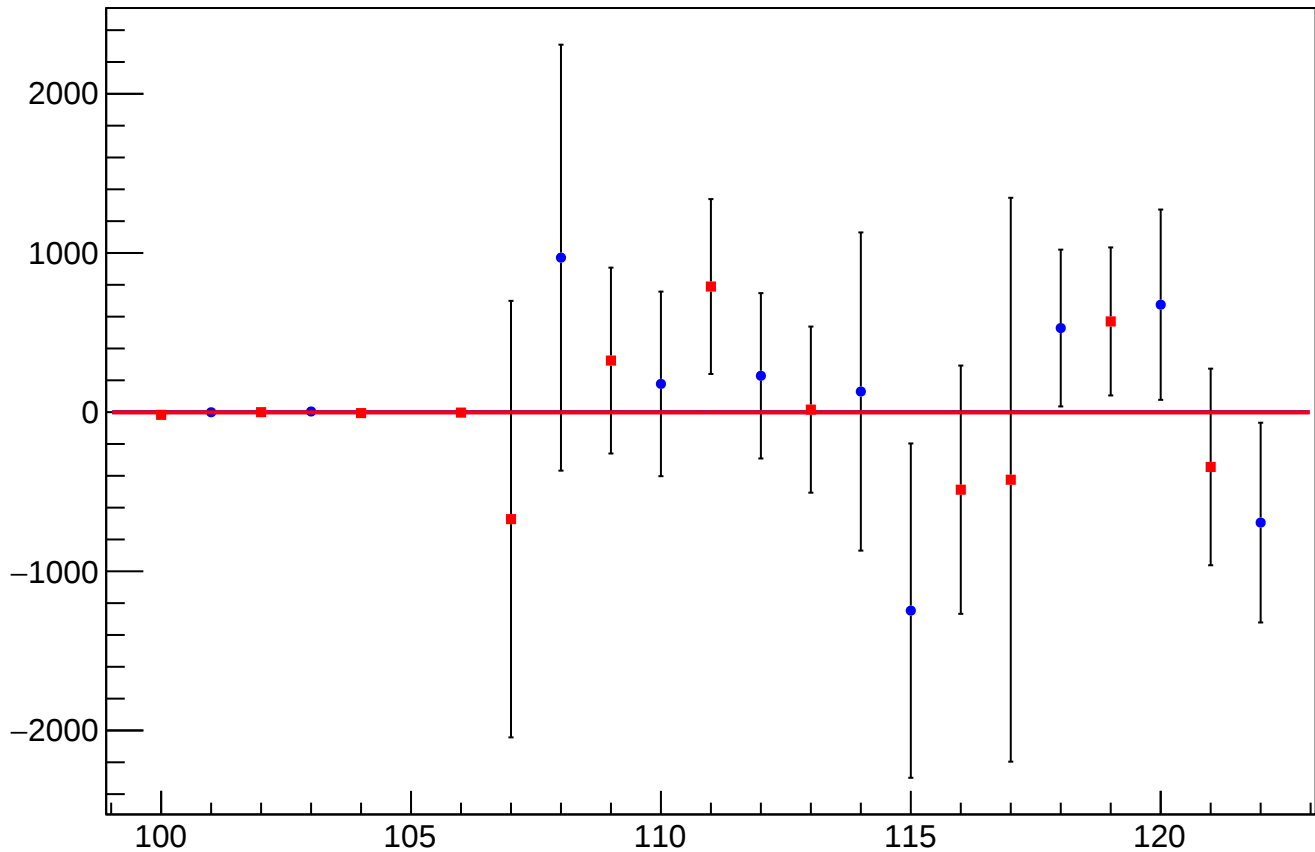
Right Out: 155.223+/-0.074  $\chi^2/\text{NDF}$ : 3692133.8/11

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

168.474+/-0.081  $\chi^2/\text{NDF}$ : 3201748.1/9

155.223+/-0.074  $\chi^2/\text{NDF}$ : 3692133.8/11

# asym\_cav4dQ\_mean vs Slug



Right In: -0.150+/-1.737  $\chi^2/\text{NDF}$ : 6.7/9

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

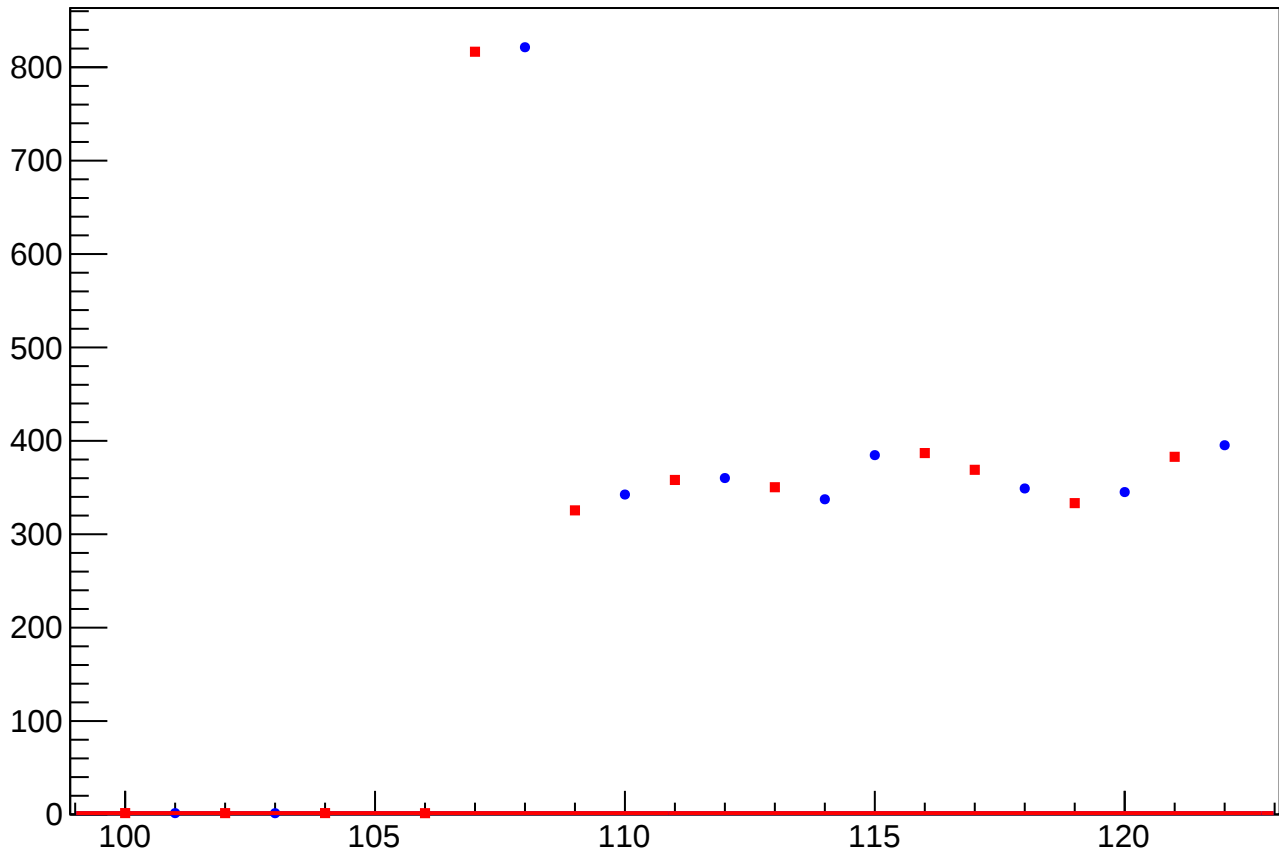
Right Out: -1.323+/-1.623  $\chi^2/\text{NDF}$ : 7.6/11

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

-0.150+/-1.737  $\chi^2/\text{NDF}$ : 6.7/9

-1.323+/-1.623  $\chi^2/\text{NDF}$ : 7.6/11

# asym\_cav4dQ\_rms vs Slug



Right In: 1.432+/-0.001  $\chi^2/\text{NDF}$ : 5334933.0/9

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

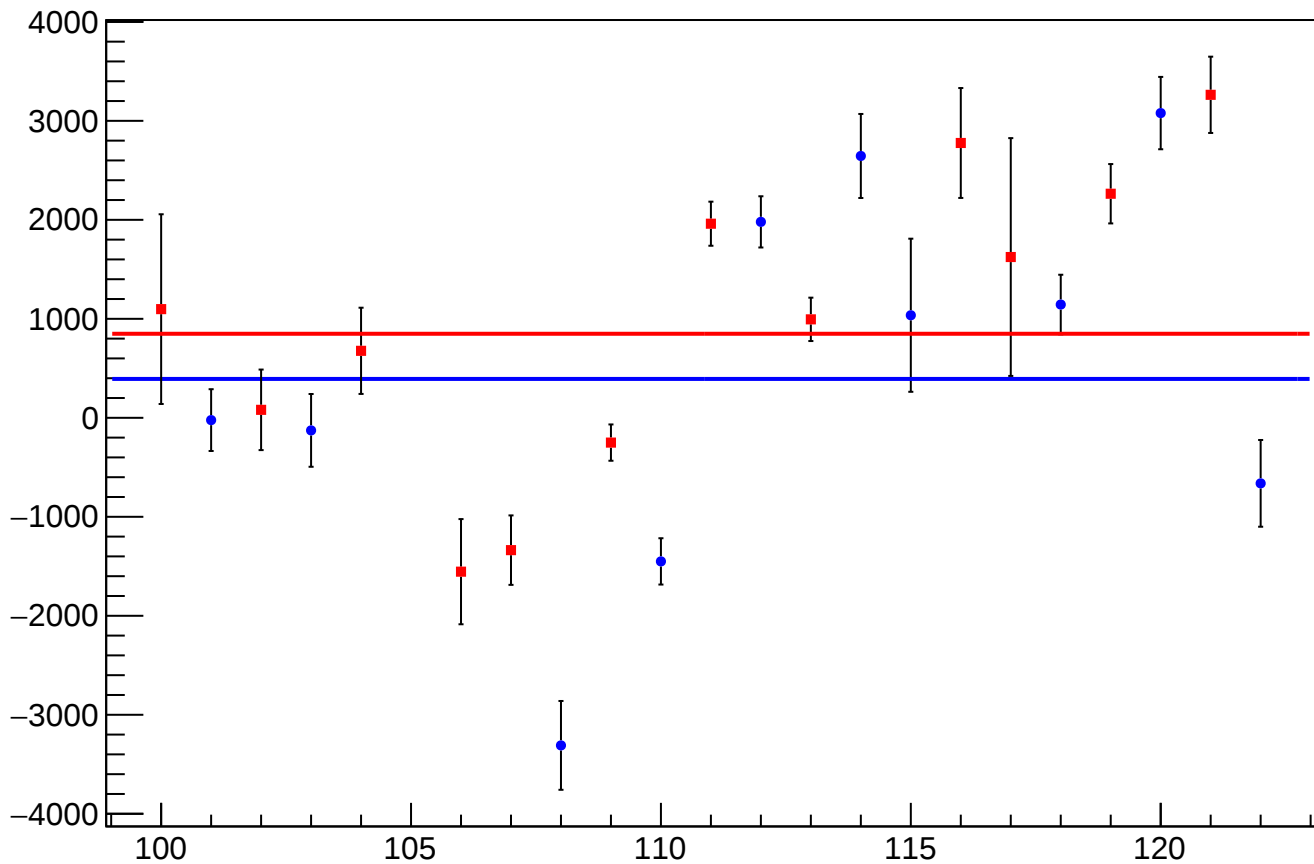
Right Out: 1.433+/-0.001  $\chi^2/\text{NDF}$ : 5417449.9/11

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

1.432+/-0.001  $\chi^2/\text{NDF}$ : 5334933.0/9

1.433+/-0.001  $\chi^2/\text{NDF}$ : 5417449.9/11

# asym\_bcm0l02\_mean vs Slug



Right In: 392.786 $\pm$ 107.330  $\chi^2$ /NDF: 266.5/9

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

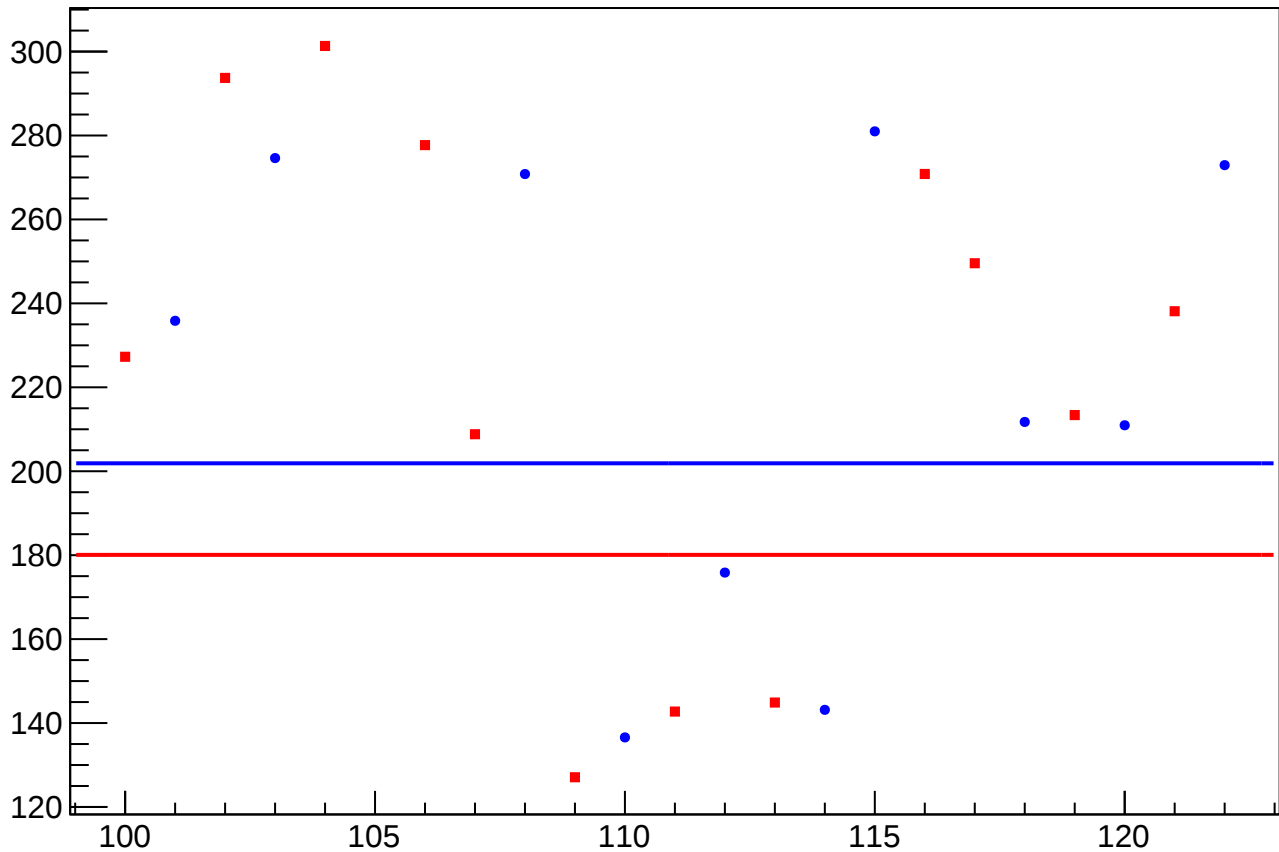
Right Out: 849.030 $\pm$ 92.605  $\chi^2$ /NDF: 198.4/11

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

392.786 $\pm$ 107.330  $\chi^2$ /NDF: 266.5/9

849.030 $\pm$ 92.605  $\chi^2$ /NDF: 198.4/11

# asym\_bcm0l02\_rms vs Slug



Right In: 201.889+/-0.076  $\chi^2/\text{NDF}$ : 440534.1/9

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

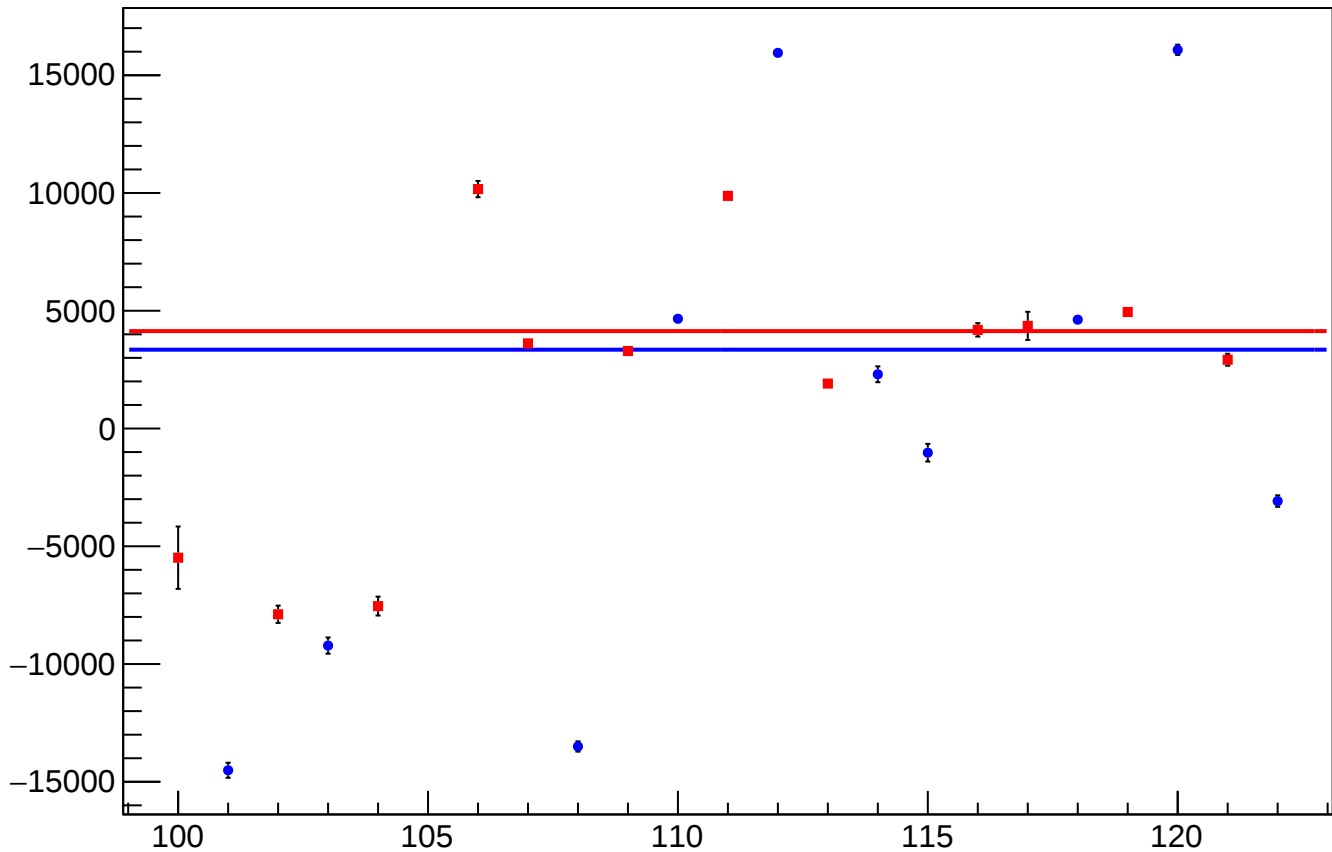
Right Out: 180.069+/-0.065  $\chi^2/\text{NDF}$ : 802038.6/11

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

201.889+/-0.076  $\chi^2/\text{NDF}$ : 440534.1/9

180.069+/-0.065  $\chi^2/\text{NDF}$ : 802038.6/11

# asym\_bpm0i02WS\_mean vs Slug



Right In: 3347.556+/-71.347  $\chi^2/\text{NDF}$ : 20092.8/9

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

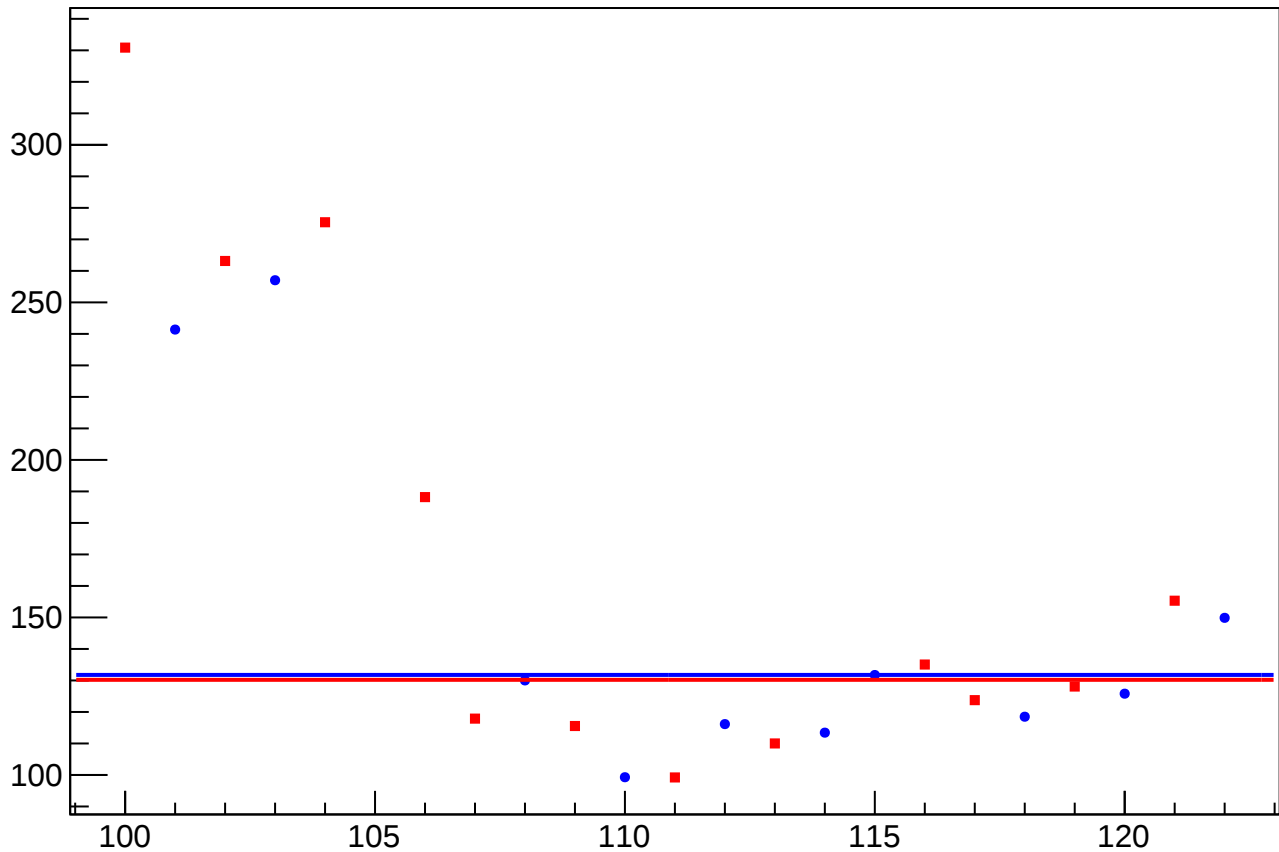
Right Out: 4136.515+/-66.807  $\chi^2/\text{NDF}$ : 3887.5/11

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

3347.556+/-71.347  $\chi^2/\text{NDF}$ : 20092.8/9

4136.515+/-66.807  $\chi^2/\text{NDF}$ : 3887.5/11

# asym\_bpm0i02WS\_rms vs Slug



Right In: 131.761+/-0.050  $\chi^2/\text{NDF}$ : 619878.9/9

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

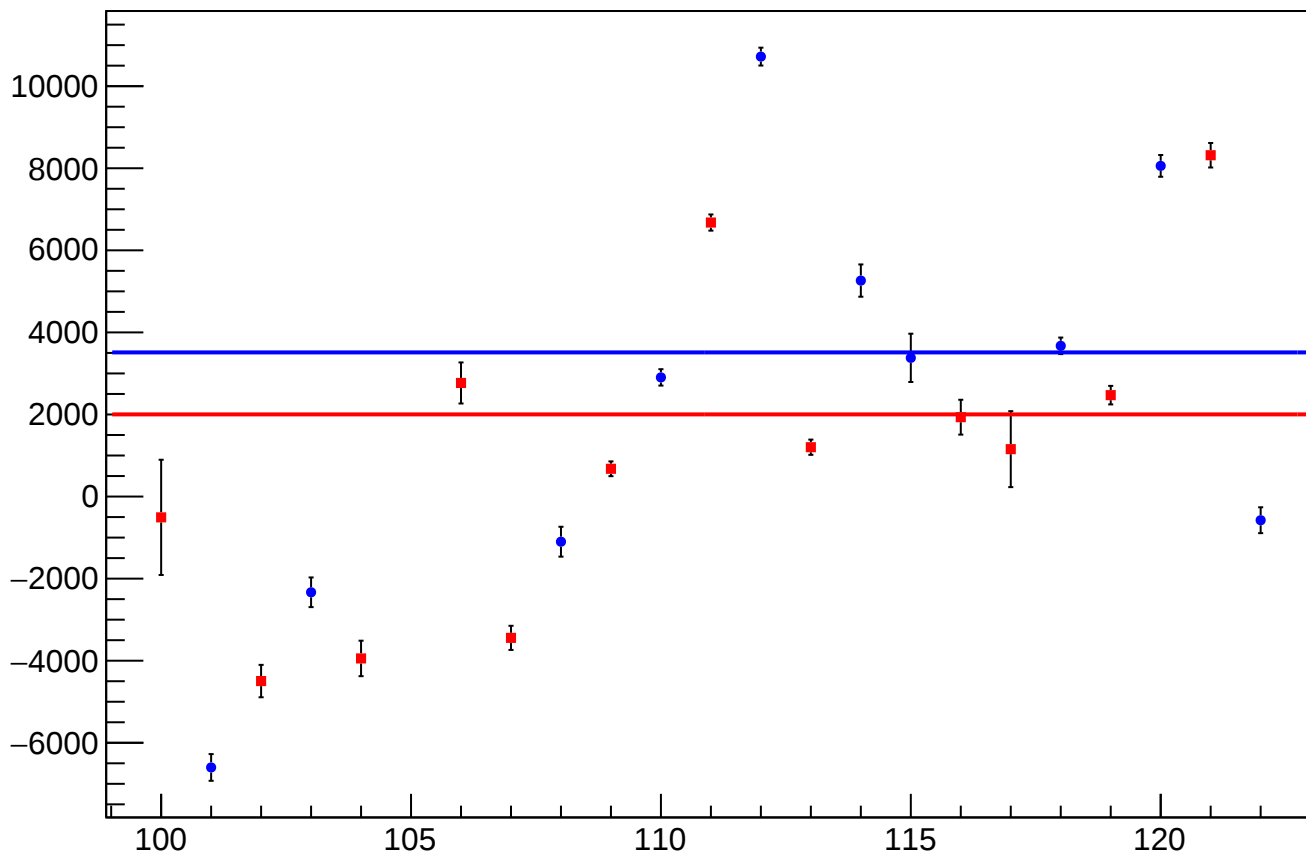
131.761+/-0.050  $\chi^2/\text{NDF}$ : 619878.9/9

Right Out: 130.202+/-0.047  $\chi^2/\text{NDF}$ : 780229.1/11

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

130.202+/-0.047  $\chi^2/\text{NDF}$ : 780229.1/11

# asym\_bpm0i02aWS\_mean vs Slug



Right In: 3512.436+/-88.035  $\chi^2/\text{NDF}$ : 2974.2/9

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

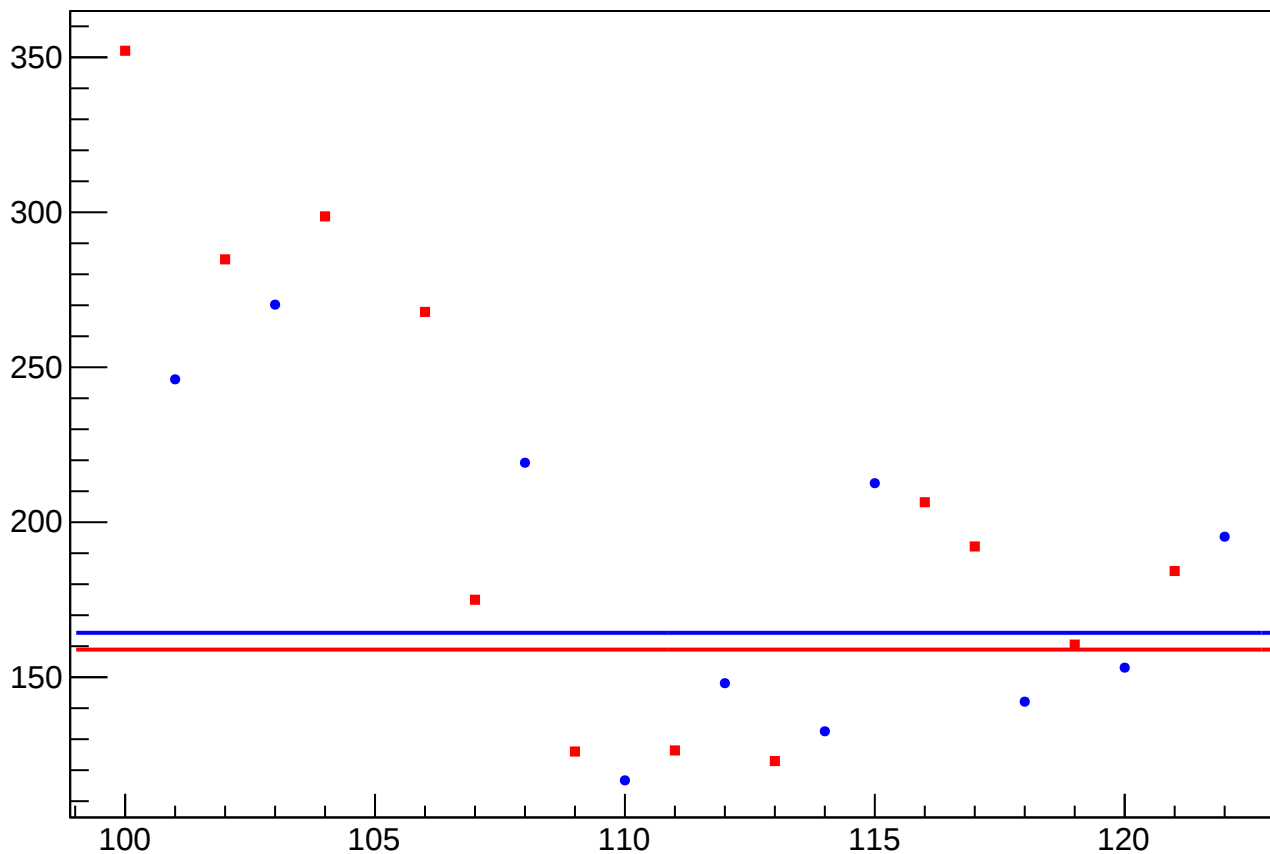
Right Out: 2002.196+/-81.391  $\chi^2/\text{NDF}$ : 1895.9/11

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

3512.436+/-88.035  $\chi^2/\text{NDF}$ : 2974.2/9

2002.196+/-81.391  $\chi^2/\text{NDF}$ : 1895.9/11

# asym\_bpm0i02aWS\_rms vs Slug



Right In: 164.322+/-0.062  $\chi^2/\text{NDF}$ : 541969.8/9

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

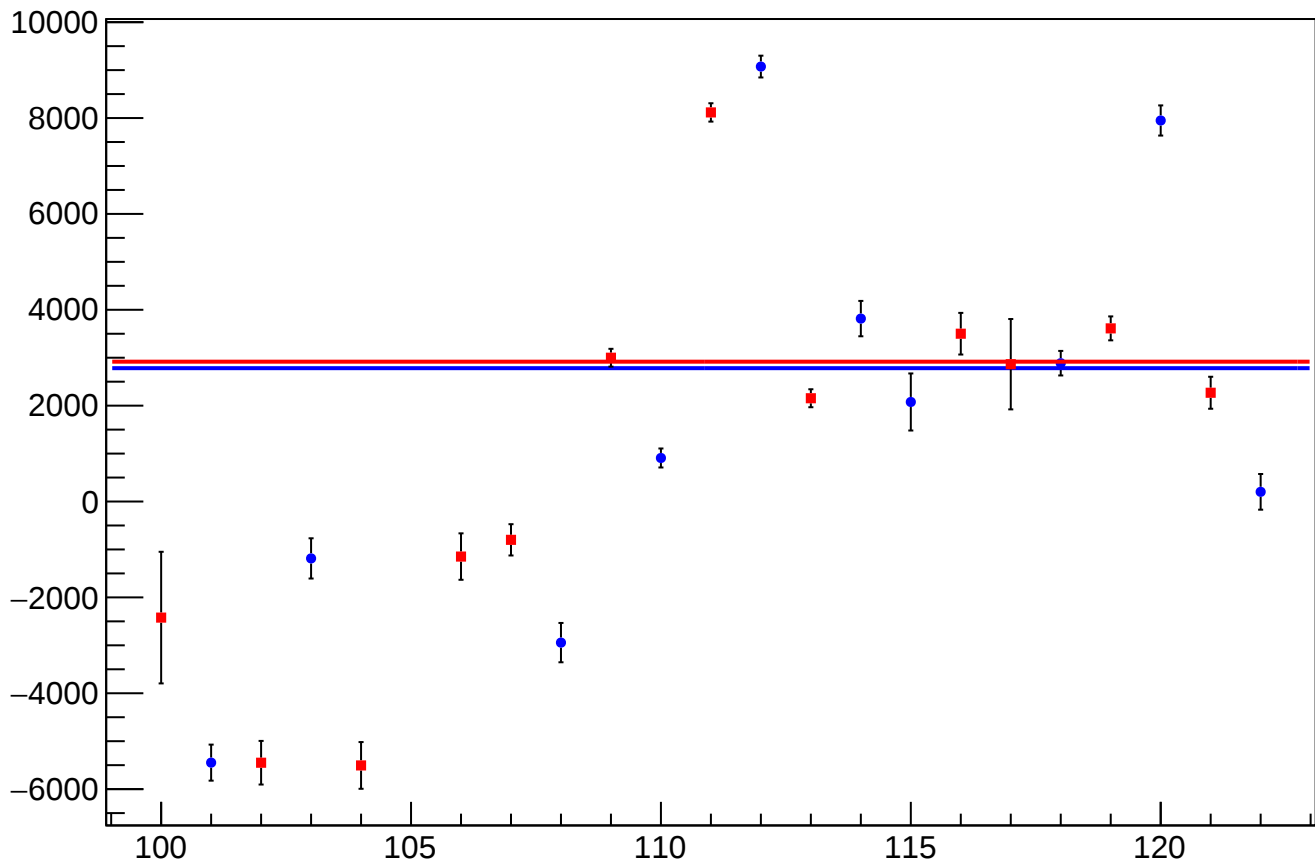
Right Out: 158.907+/-0.058  $\chi^2/\text{NDF}$ : 789824.0/11

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

164.322+/-0.062  $\chi^2/\text{NDF}$ : 541969.8/9

158.907+/-0.058  $\chi^2/\text{NDF}$ : 789824.0/11

# asym\_bpm0i05WS\_mean vs Slug



Right In: 2781.823+/-97.004  $\chi^2/\text{NDF}$ : 1946.0/9

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

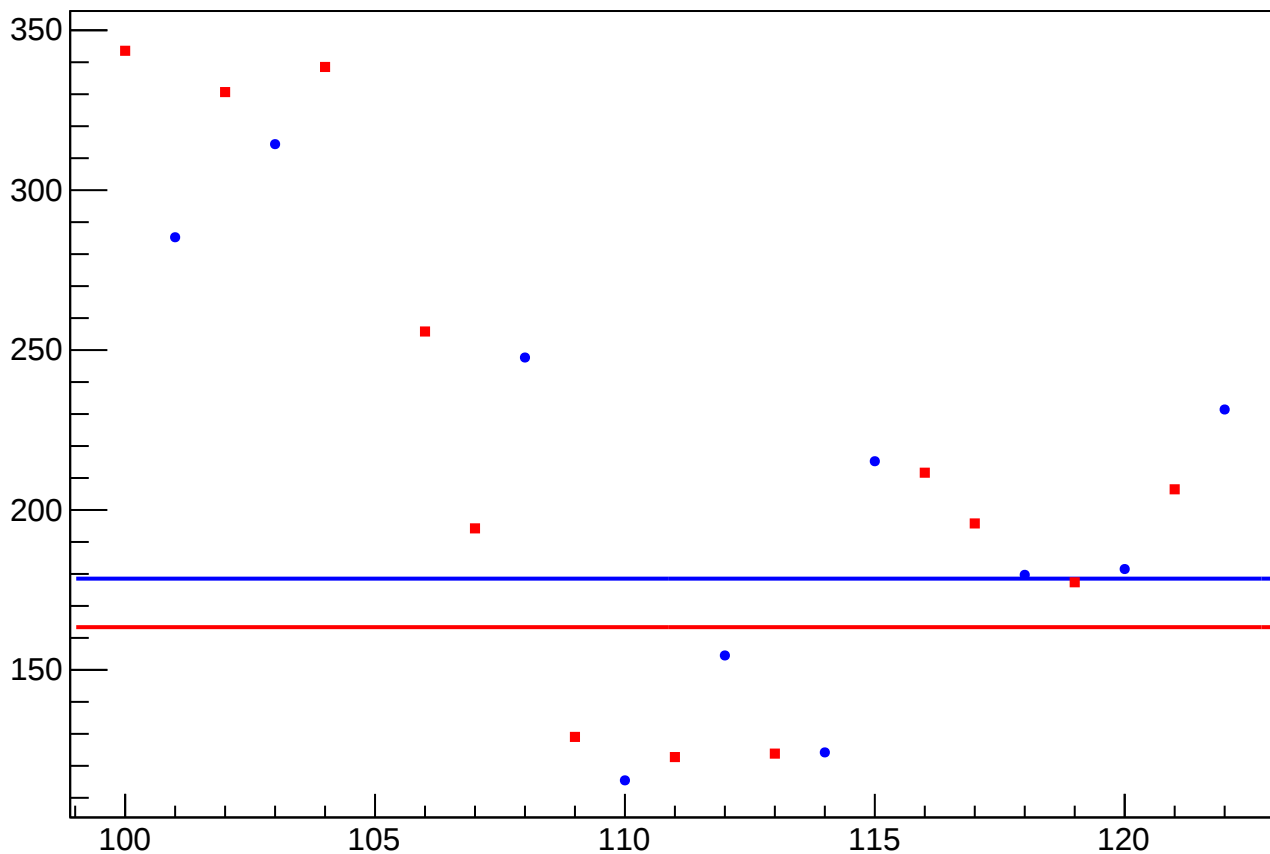
Right Out: 2917.555+/-84.686  $\chi^2/\text{NDF}$ : 1619.5/11

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

2781.823+/-97.004  $\chi^2/\text{NDF}$ : 1946.0/9

2917.555+/-84.686  $\chi^2/\text{NDF}$ : 1619.5/11

# asym\_bpm0i05WS\_rms vs Slug



Right In: 178.533+/-0.069  $\chi^2/\text{NDF}$ : 744246.1/9

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

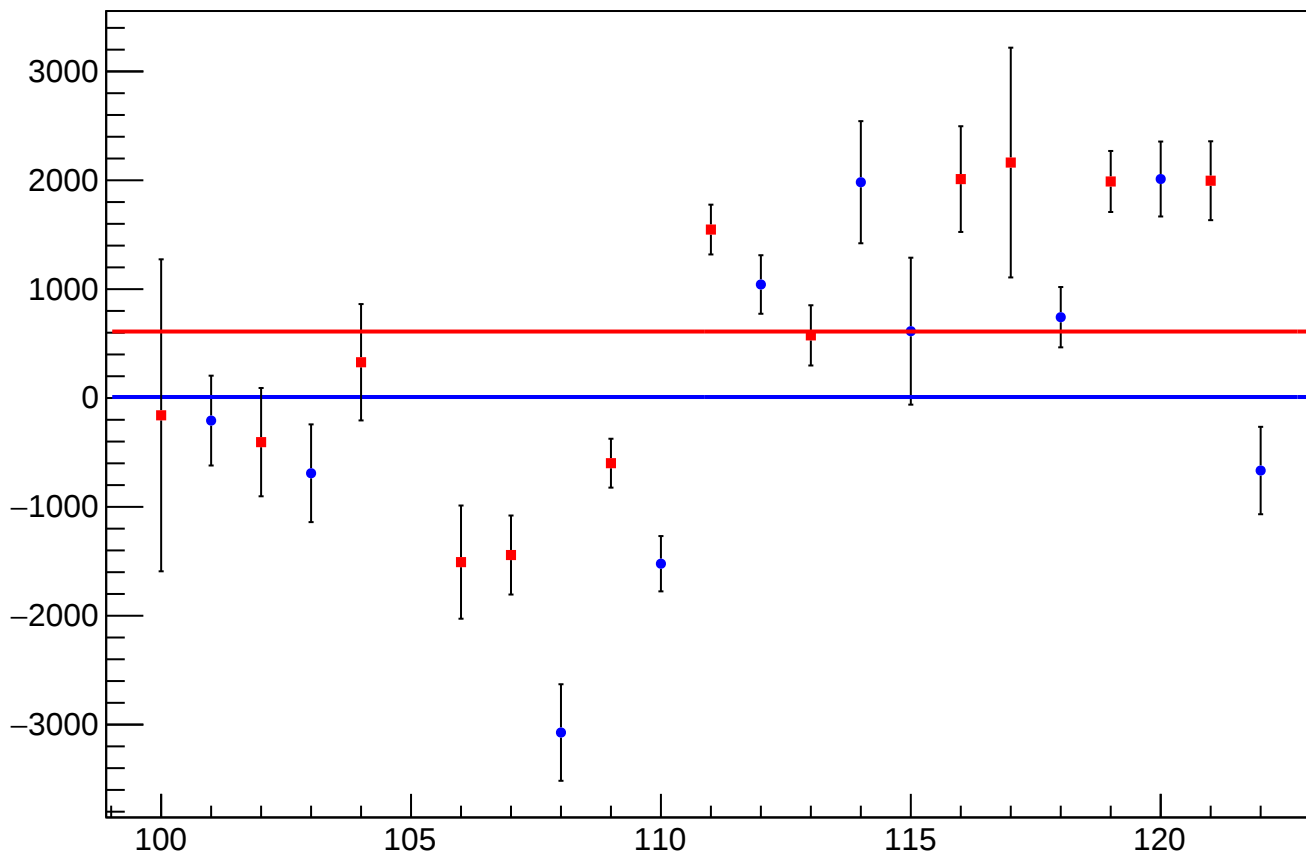
Right Out: 163.362+/-0.060  $\chi^2/\text{NDF}$ : 967928.2/11

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

178.533+/-0.069  $\chi^2/\text{NDF}$ : 744246.1/9

163.362+/-0.060  $\chi^2/\text{NDF}$ : 967928.2/11

# asym\_bpm0i07WS\_mean vs Slug



Right In: 9.230+/-113.004  $\chi^2/\text{NDF}$ : 159.0/9

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

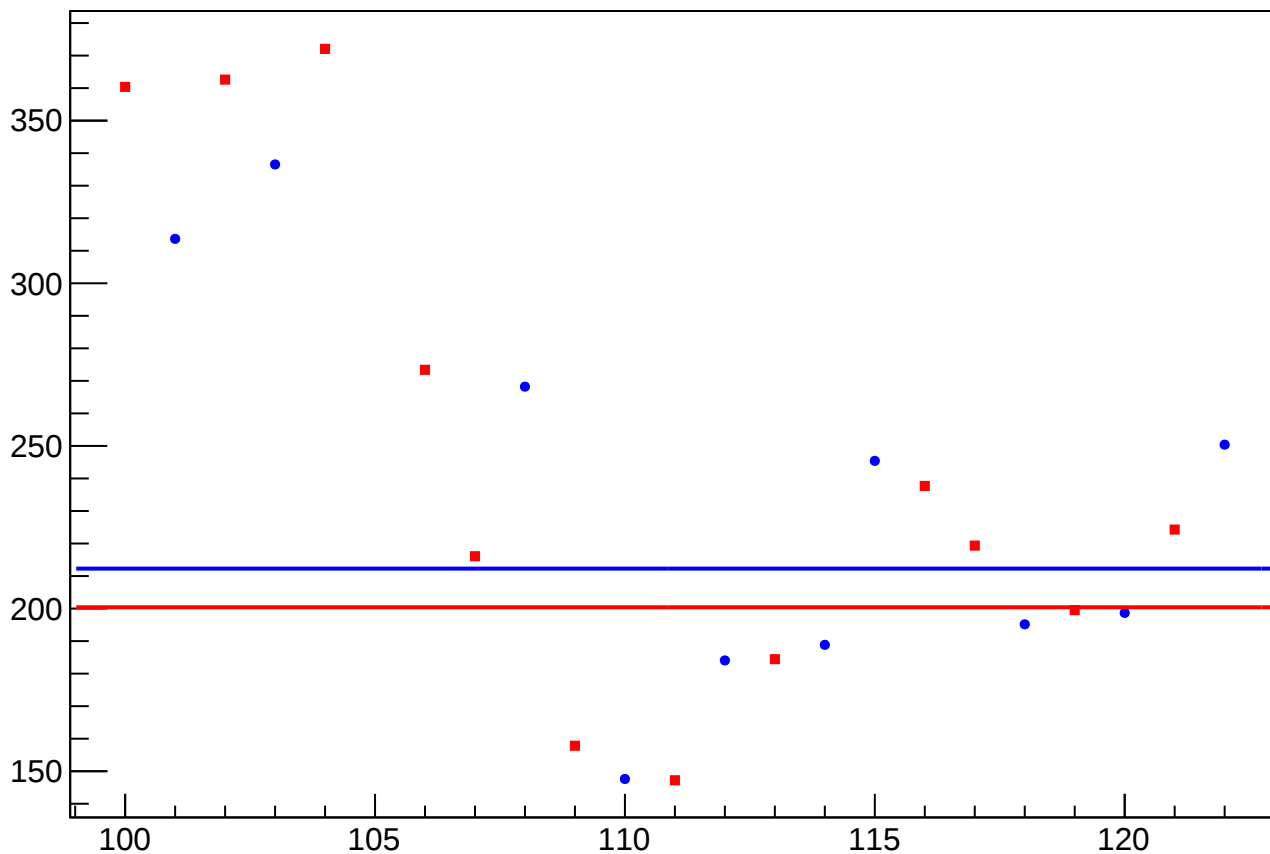
Right Out: 610.716+/-101.619  $\chi^2/\text{NDF}$ : 148.4/11

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

9.230+/-113.004  $\chi^2/\text{NDF}$ : 159.0/9

610.716+/-101.619  $\chi^2/\text{NDF}$ : 148.4/11

# asym\_bpm0i07WS\_rms vs Slug



Right In: 212.284+/-0.080  $\chi^2/\text{NDF}$ : 494559.5/9

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

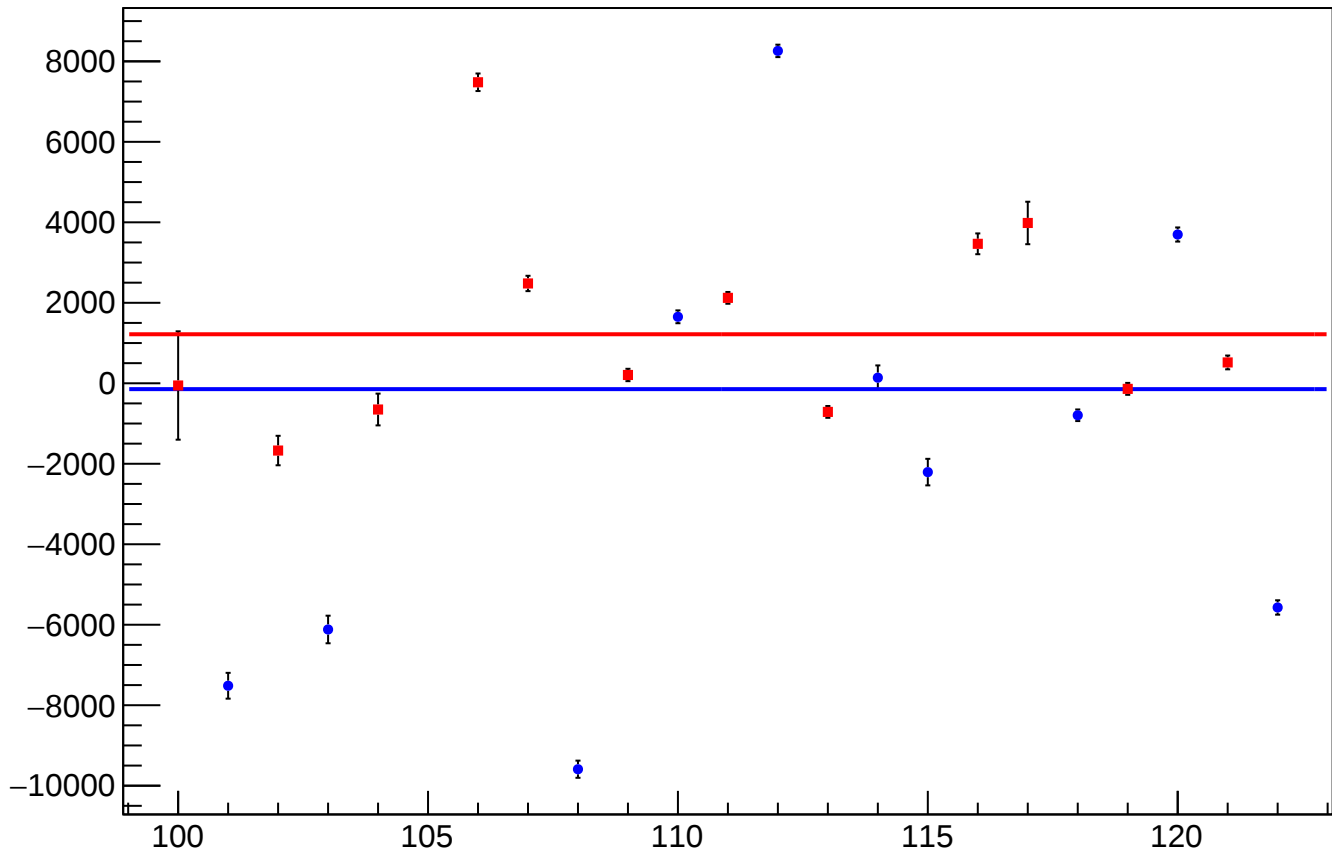
Right Out: 200.396+/-0.072  $\chi^2/\text{NDF}$ : 694949.0/11

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

212.284+/-0.080  $\chi^2/\text{NDF}$ : 494559.5/9

200.396+/-0.072  $\chi^2/\text{NDF}$ : 694949.0/11

# asym\_bpm1i02WS\_mean vs Slug



Right In: -145.430+/-62.861  $\chi^2/\text{NDF}$ : 7337.2/9

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

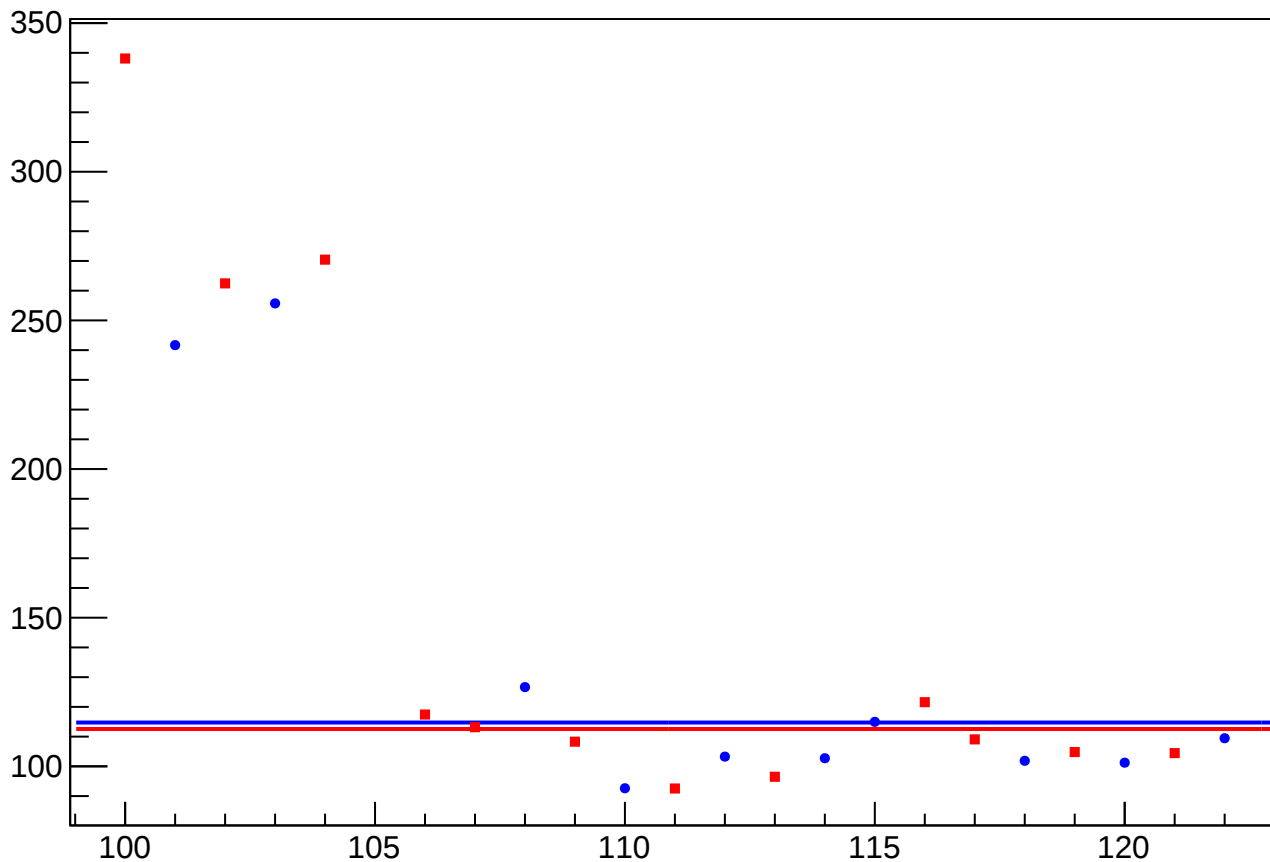
Right Out: 1218.355+/-58.031  $\chi^2/\text{NDF}$ : 1414.1/11

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

-145.430+/-62.861  $\chi^2/\text{NDF}$ : 7337.2/9

1218.355+/-58.031  $\chi^2/\text{NDF}$ : 1414.1/11

# asym\_bpm1i02WS\_rms vs Slug



Right In: 114.739+/-0.044  $\chi^2/\text{NDF}$ : 739883.0/9

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

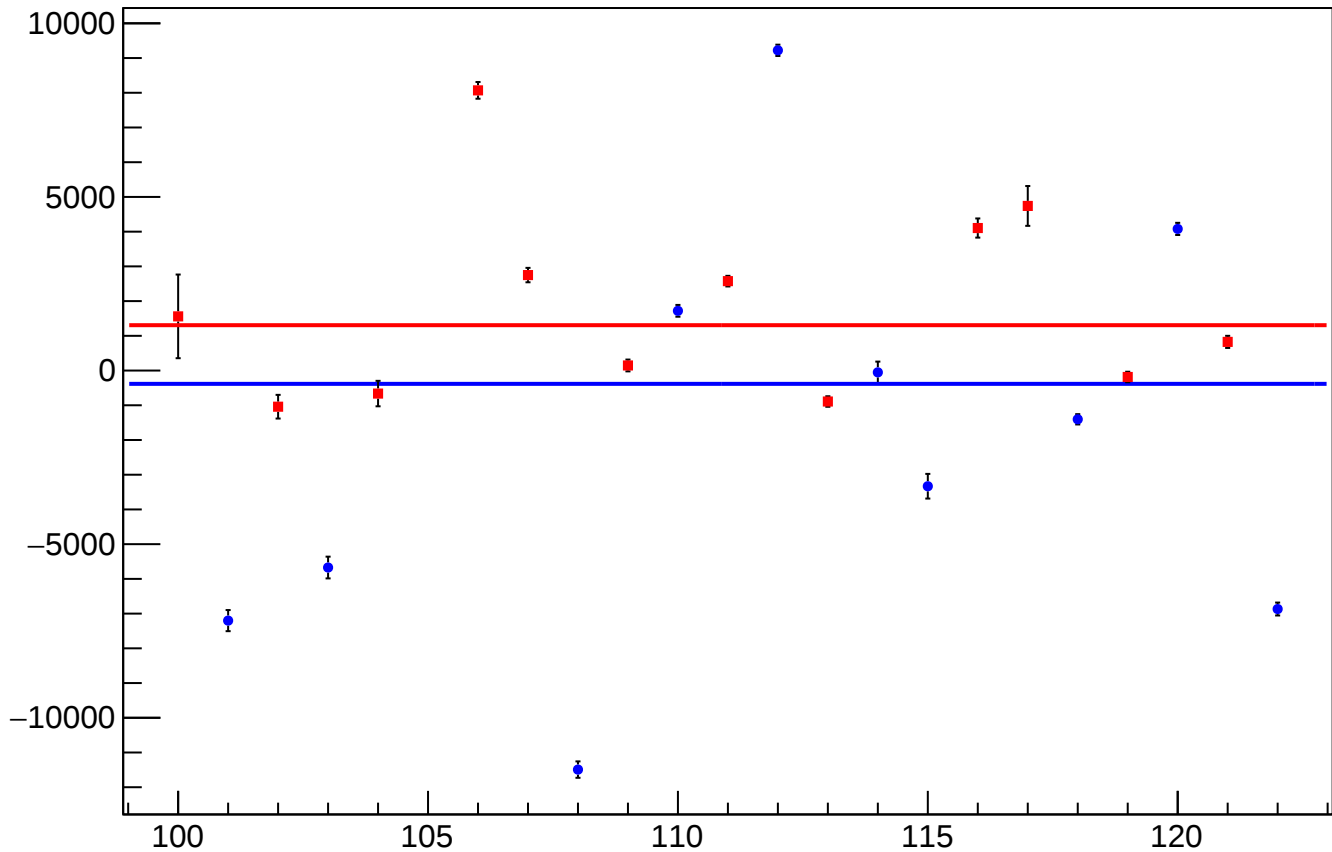
Right Out: 112.570+/-0.041  $\chi^2/\text{NDF}$ : 787214.2/11

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

114.739+/-0.044  $\chi^2/\text{NDF}$ : 739883.0/9

112.570+/-0.041  $\chi^2/\text{NDF}$ : 787214.2/11

# asym\_bpm2i01WS\_mean vs Slug



Right In: -383.110+/-64.996  $\chi^2/\text{NDF}$ : 8611.8/9

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

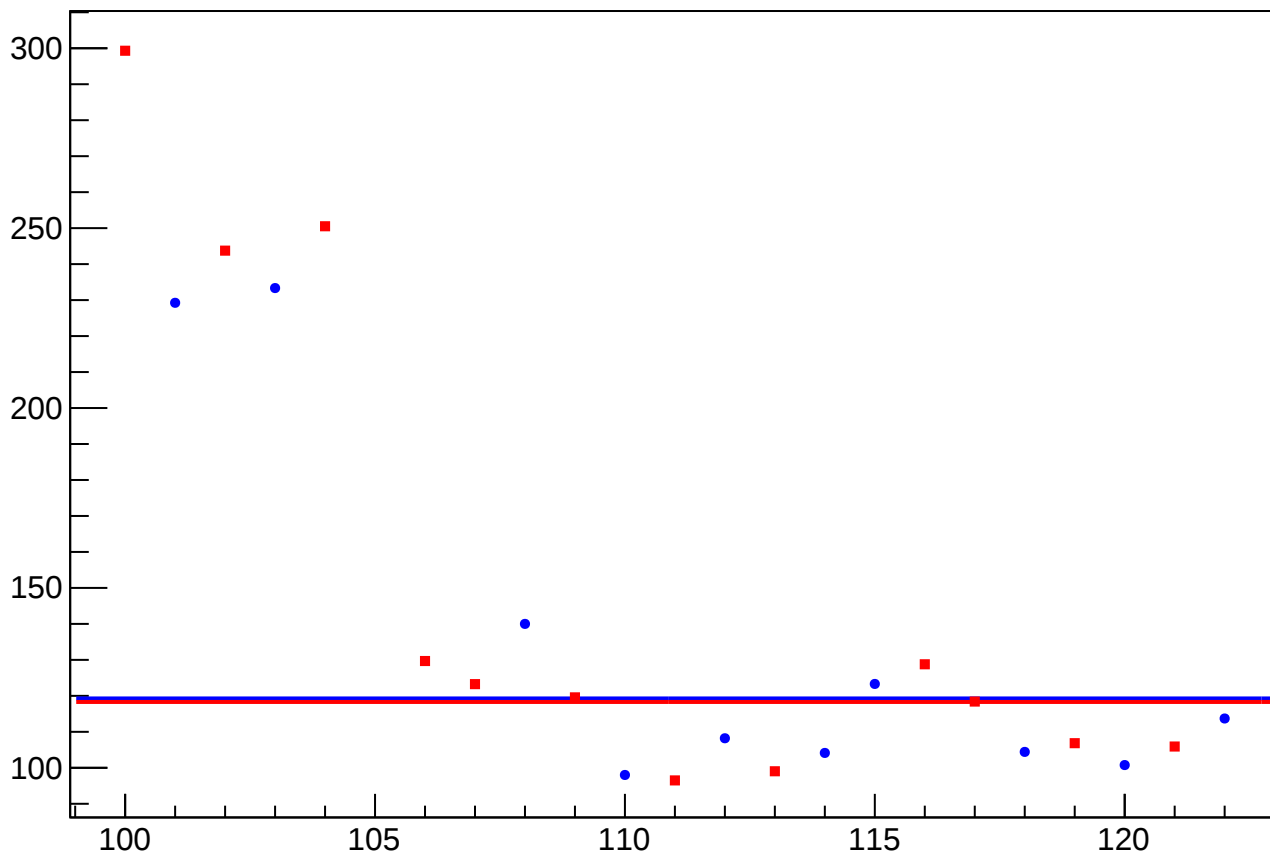
Right Out: 1306.371+/-60.763  $\chi^2/\text{NDF}$ : 1483.1/11

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

-383.110+/-64.996  $\chi^2/\text{NDF}$ : 8611.8/9

1306.371+/-60.763  $\chi^2/\text{NDF}$ : 1483.1/11

# asym\_bpm2i01WS\_rms vs Slug



Right In: 119.279+/-0.046  $\chi^2/\text{NDF}$ : 632002.6/9

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

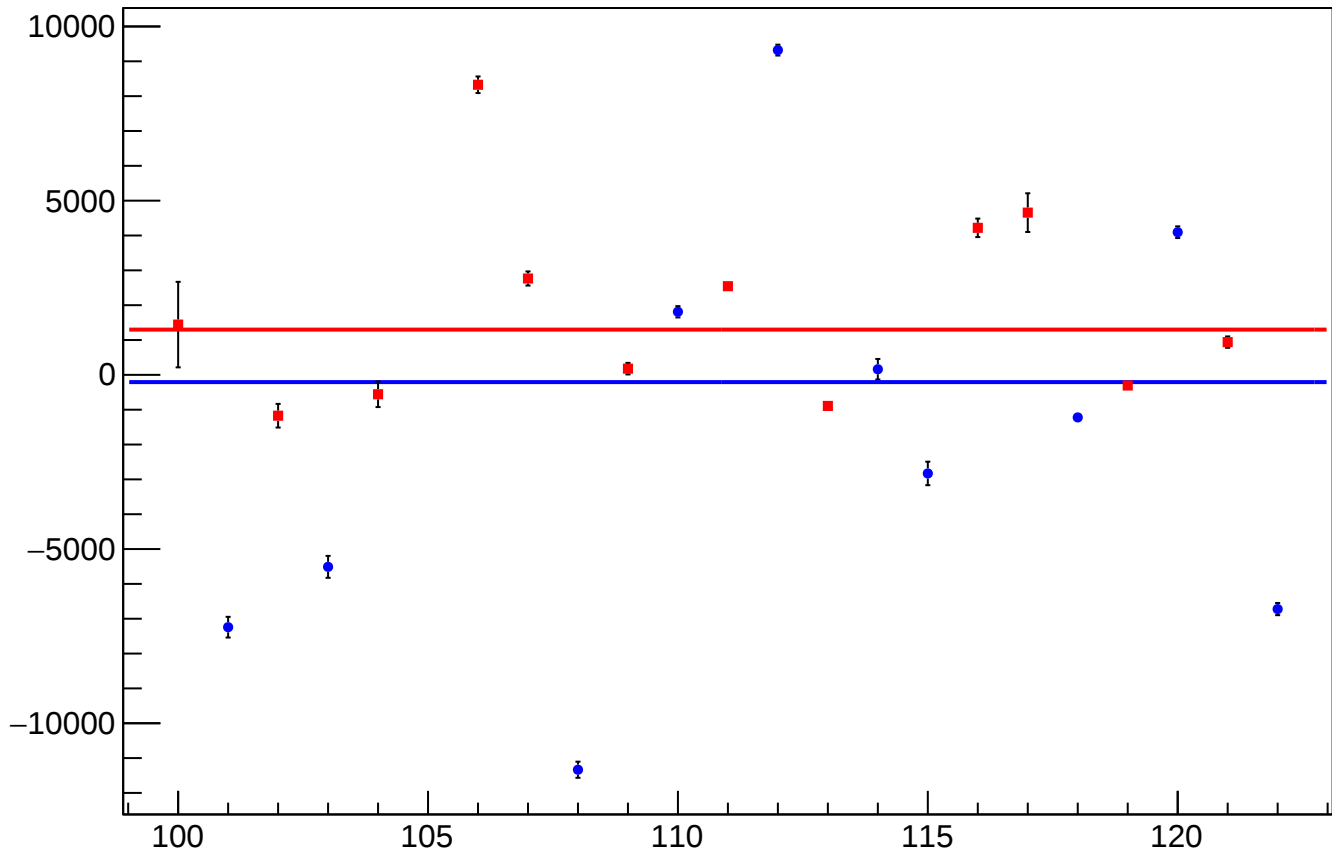
Right Out: 118.304+/-0.043  $\chi^2/\text{NDF}$ : 679269.2/11

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

119.279+/-0.046  $\chi^2/\text{NDF}$ : 632002.6/9

118.304+/-0.043  $\chi^2/\text{NDF}$ : 679269.2/11

# asym\_bpm2i02WS\_mean vs Slug



Right In: -207.970+/-62.326  $\chi^2/\text{NDF}$ : 9200.9/9

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

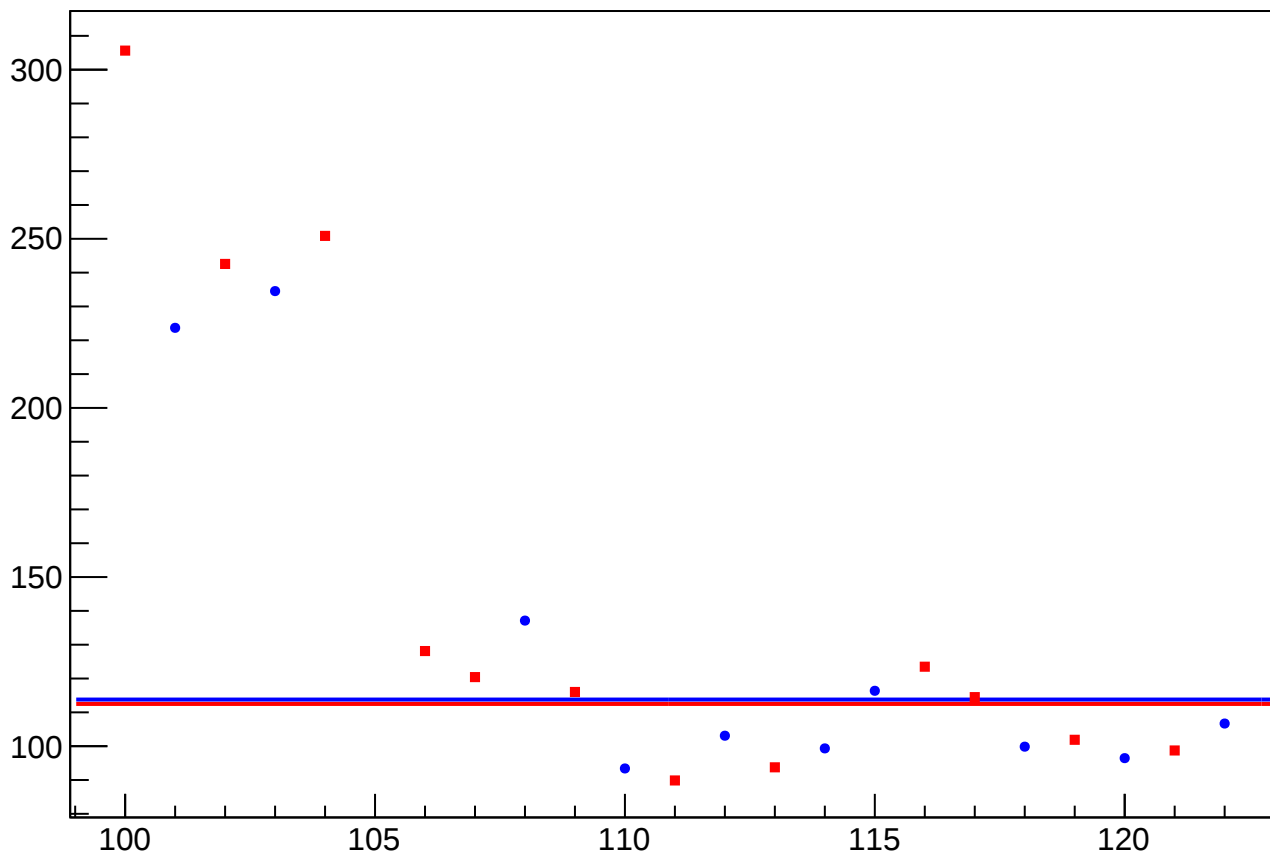
Right Out: 1298.918+/-58.158  $\chi^2/\text{NDF}$ : 1642.0/11

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

-207.970+/-62.326  $\chi^2/\text{NDF}$ : 9200.9/9

1298.918+/-58.158  $\chi^2/\text{NDF}$ : 1642.0/11

# asym\_bpm2i02WS\_rms vs Slug



Right In: 113.784 $\pm$ 0.044  $\chi^2$ /NDF: 677900.1/9

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

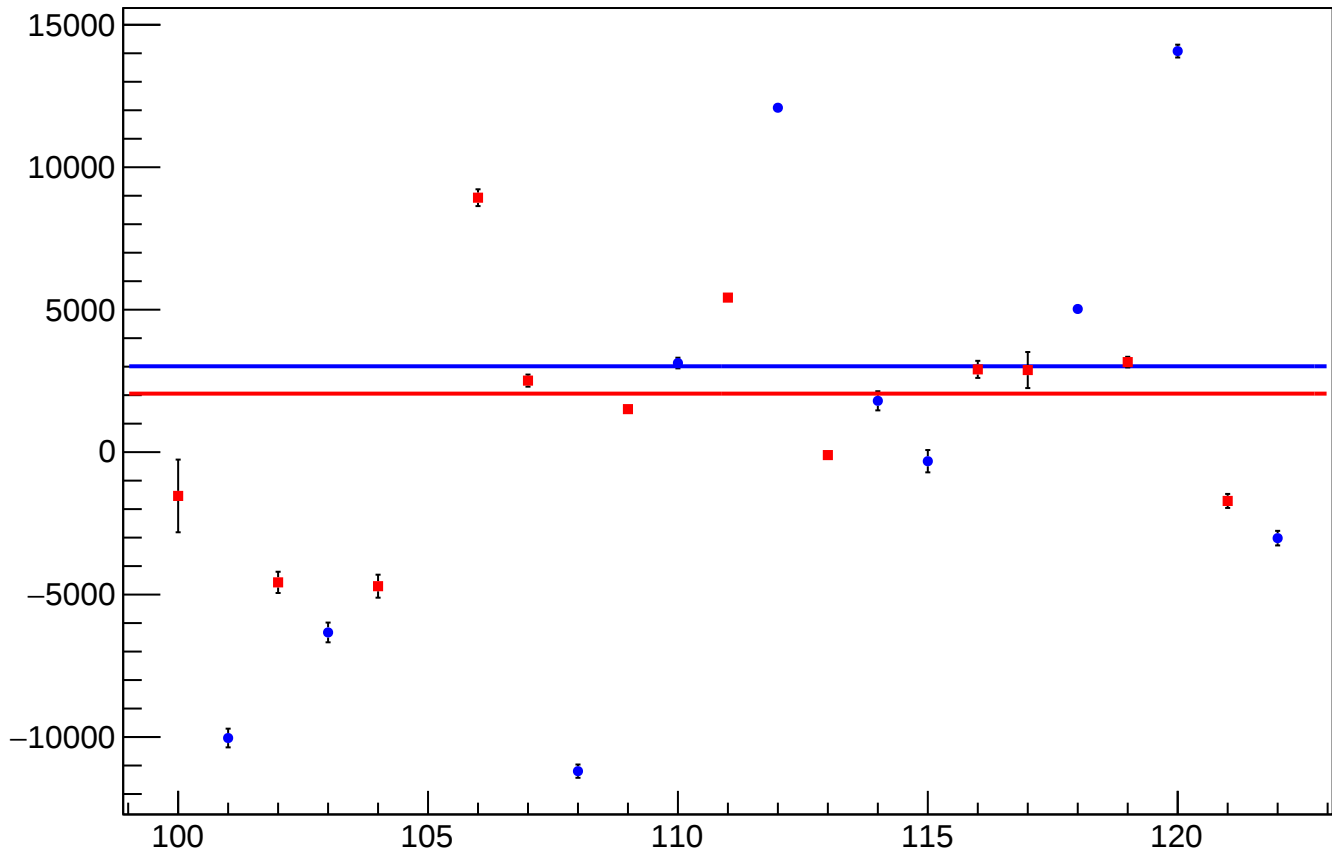
Right Out: 112.485 $\pm$ 0.041  $\chi^2$ /NDF: 752423.9/11

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

113.784 $\pm$ 0.044  $\chi^2$ /NDF: 677900.1/9

112.485 $\pm$ 0.041  $\chi^2$ /NDF: 752423.9/11

# asym\_bpm0i01WS\_mean vs Slug



Right In: 3013.494+/-74.351  $\chi^2/\text{NDF}$ : 11896.8/9

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

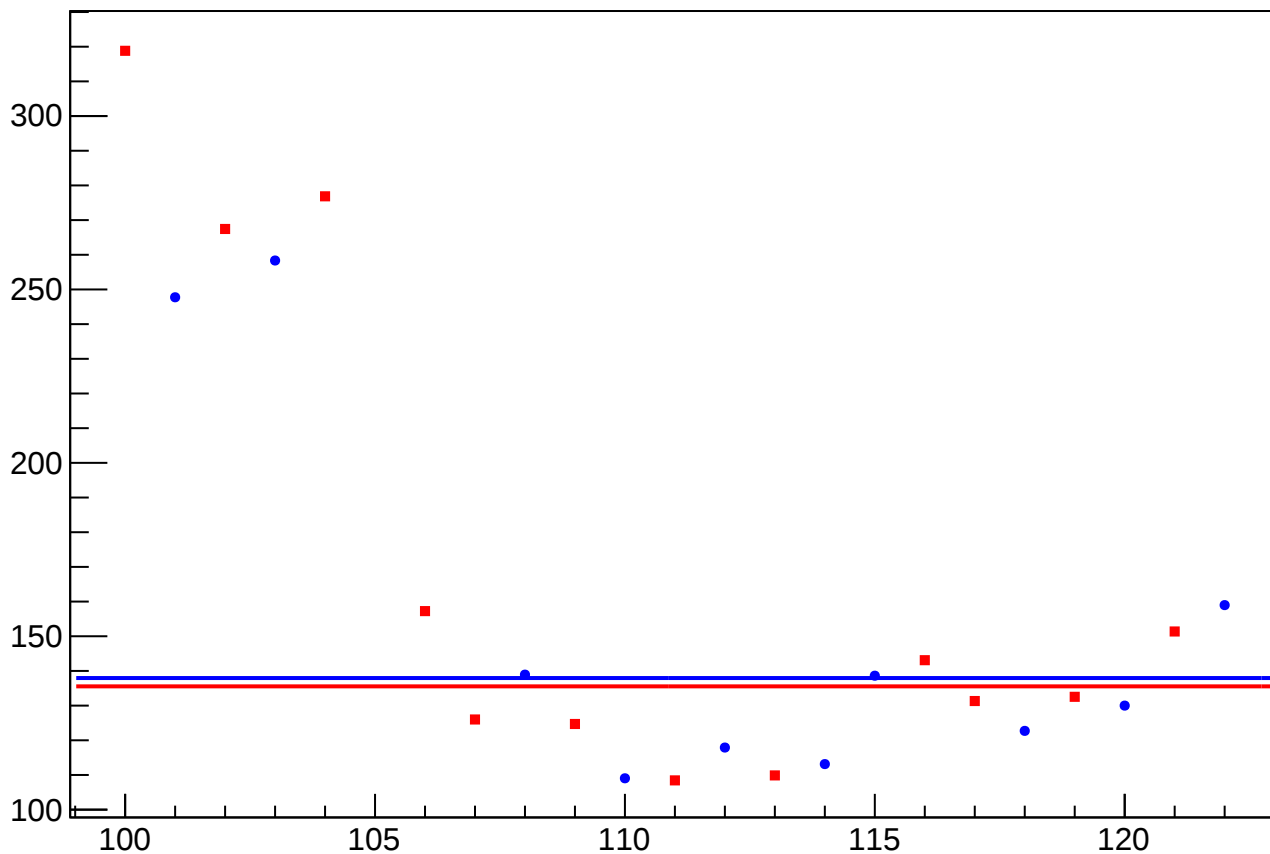
Right Out: 2053.744+/-69.058  $\chi^2/\text{NDF}$ : 2002.5/11

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

3013.494+/-74.351  $\chi^2/\text{NDF}$ : 11896.8/9

2053.744+/-69.058  $\chi^2/\text{NDF}$ : 2002.5/11

# asym\_bpm0i01WS\_rms vs Slug



Right In: 137.952 $\pm$ 0.053  $\chi^2$ /NDF: 581715.9/9

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

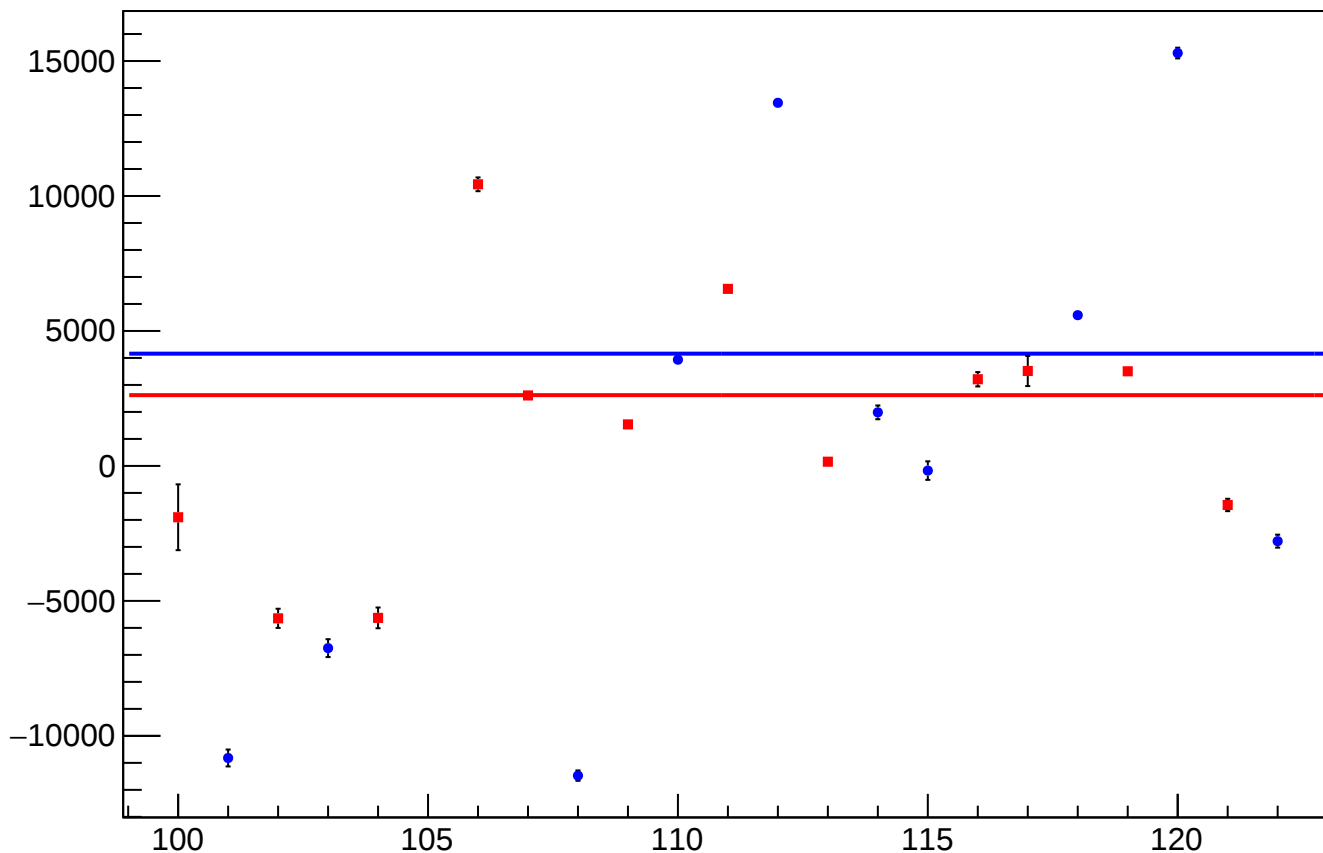
Right Out: 135.552 $\pm$ 0.049  $\chi^2$ /NDF: 667769.3/11

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

137.952 $\pm$ 0.053  $\chi^2$ /NDF: 581715.9/9

135.552 $\pm$ 0.049  $\chi^2$ /NDF: 667769.3/11

# asym\_bpm0i01aWS\_mean vs Slug



Right In: 4159.000+/-60.795  $\chi^2/\text{NDF}$ : 19214.7/9

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

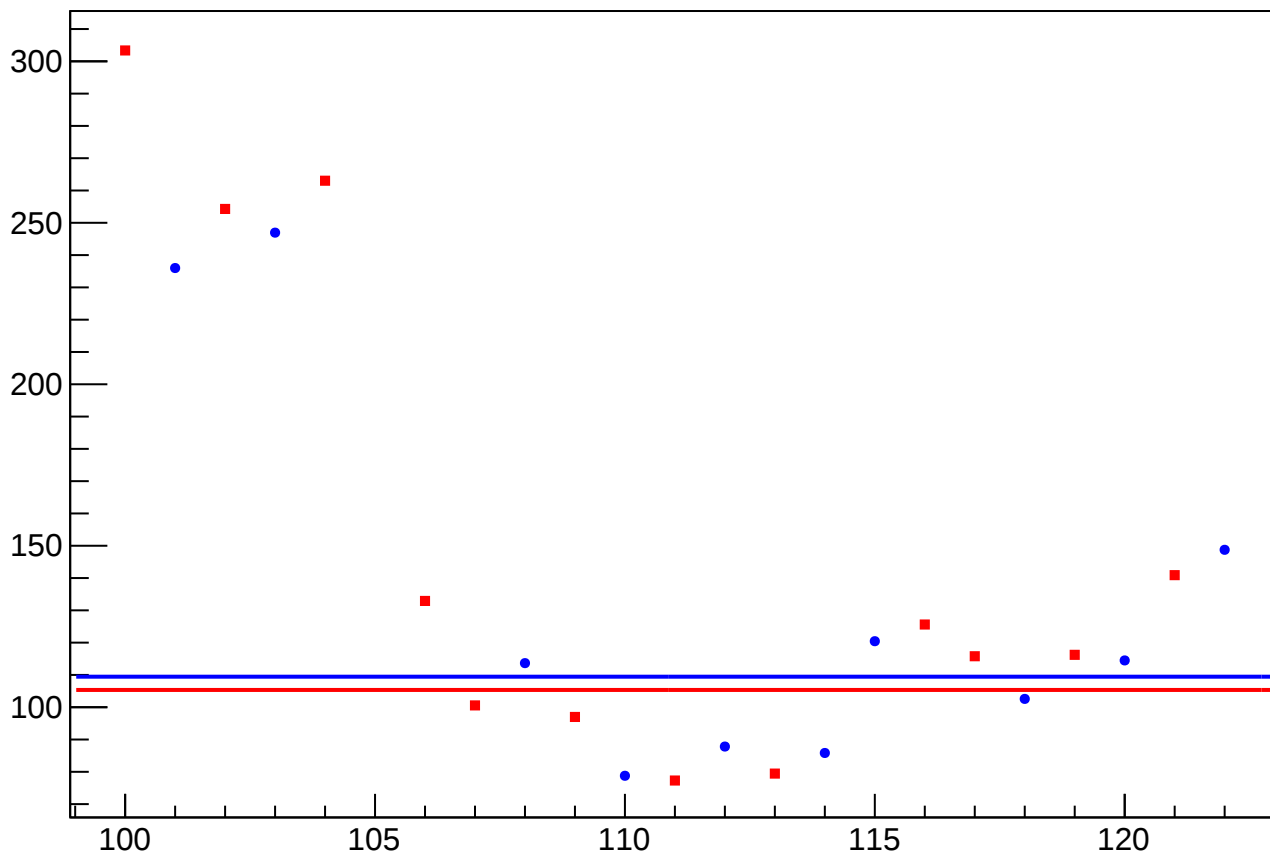
Right Out: 2622.386+/-55.457  $\chi^2/\text{NDF}$ : 3803.3/11

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

4159.000+/-60.795  $\chi^2/\text{NDF}$ : 19214.7/9

2622.386+/-55.457  $\chi^2/\text{NDF}$ : 3803.3/11

# asym\_bpm0i01aWS\_rms vs Slug



Right In: 109.456+/-0.043  $\chi^2/\text{NDF}$ : 903912.7/9

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

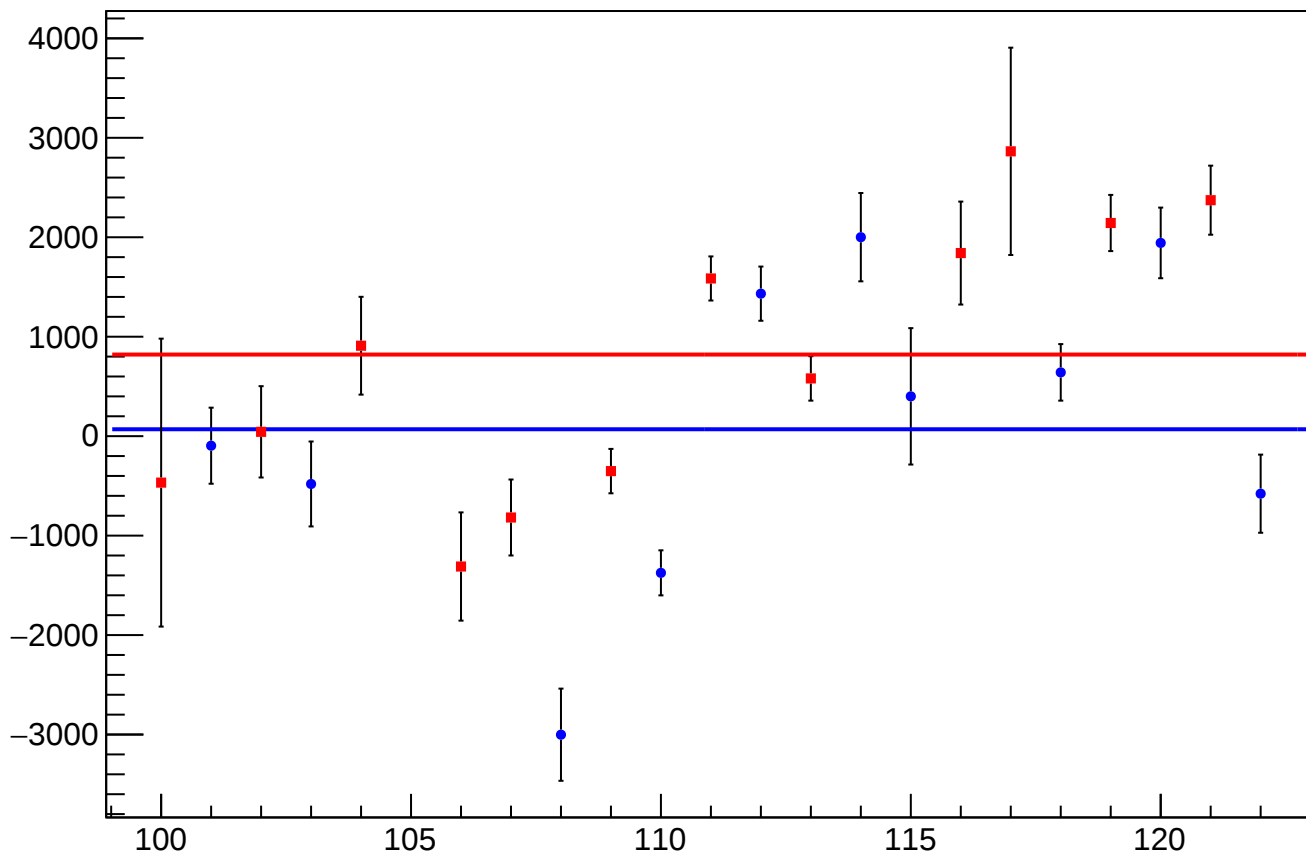
Right Out: 105.349+/-0.039  $\chi^2/\text{NDF}$ : 1036992.4/11

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

109.456+/-0.043  $\chi^2/\text{NDF}$ : 903912.7/9

105.349+/-0.039  $\chi^2/\text{NDF}$ : 1036992.4/11

# asym\_bpm0l01WS\_mean vs Slug



Right In: 69.494+/-109.151  $\chi^2$ /NDF: 165.2/9

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

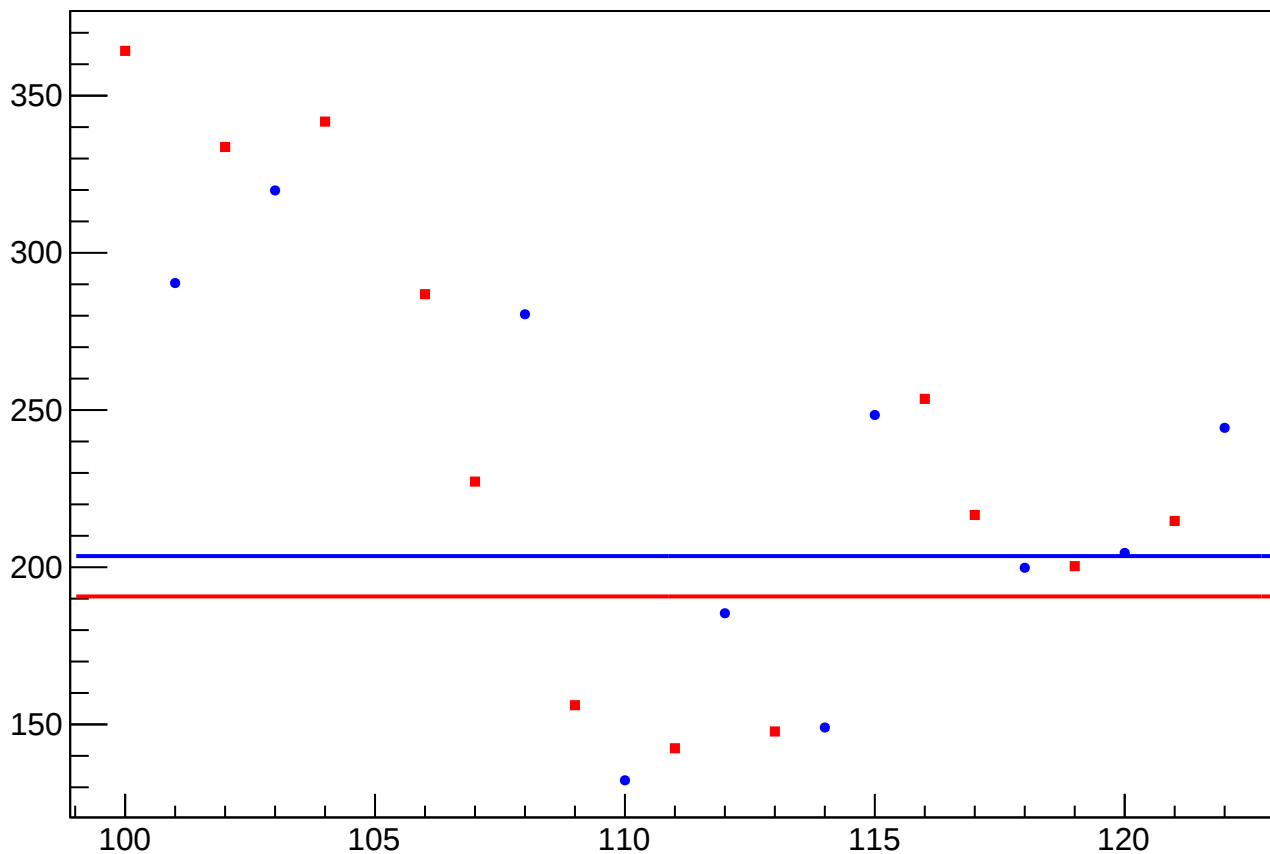
Right Out: 820.599+/-97.326  $\chi^2$ /NDF: 127.7/11

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

69.494+/-109.151  $\chi^2$ /NDF: 165.2/9

820.599+/-97.326  $\chi^2$ /NDF: 127.7/11

# asym\_bpm0l01WS\_rms vs Slug



Right In: 203.543+/-0.077  $\chi^2/\text{NDF}$ : 574602.6/9

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

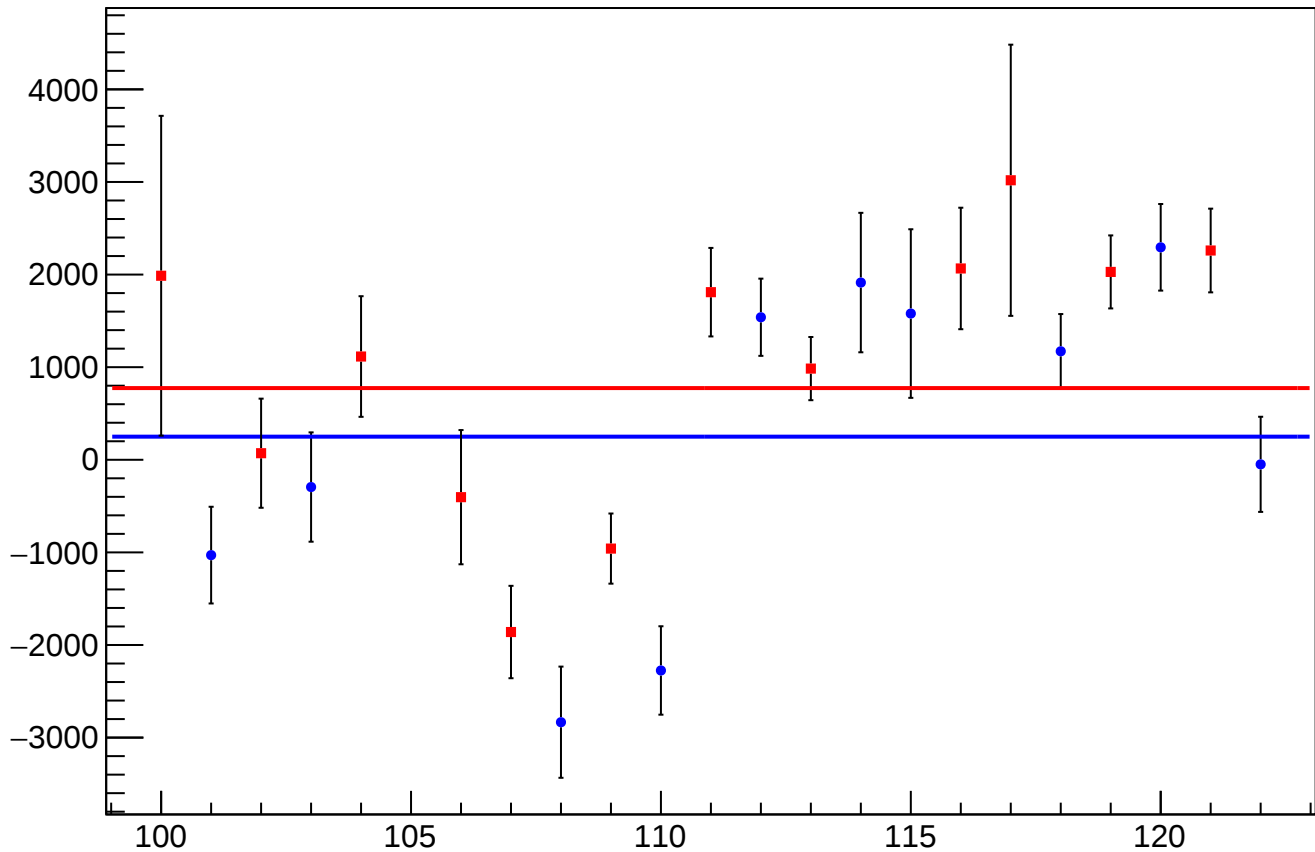
Right Out: 190.708+/-0.069  $\chi^2/\text{NDF}$ : 751752.5/11

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

203.543+/-0.077  $\chi^2/\text{NDF}$ : 574602.6/9

190.708+/-0.069  $\chi^2/\text{NDF}$ : 751752.5/11

# asym\_bpm0l02WS\_mean vs Slug



Right In: 249.736 $\pm$ 164.446  $\chi^2$ /NDF: 102.5/9

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

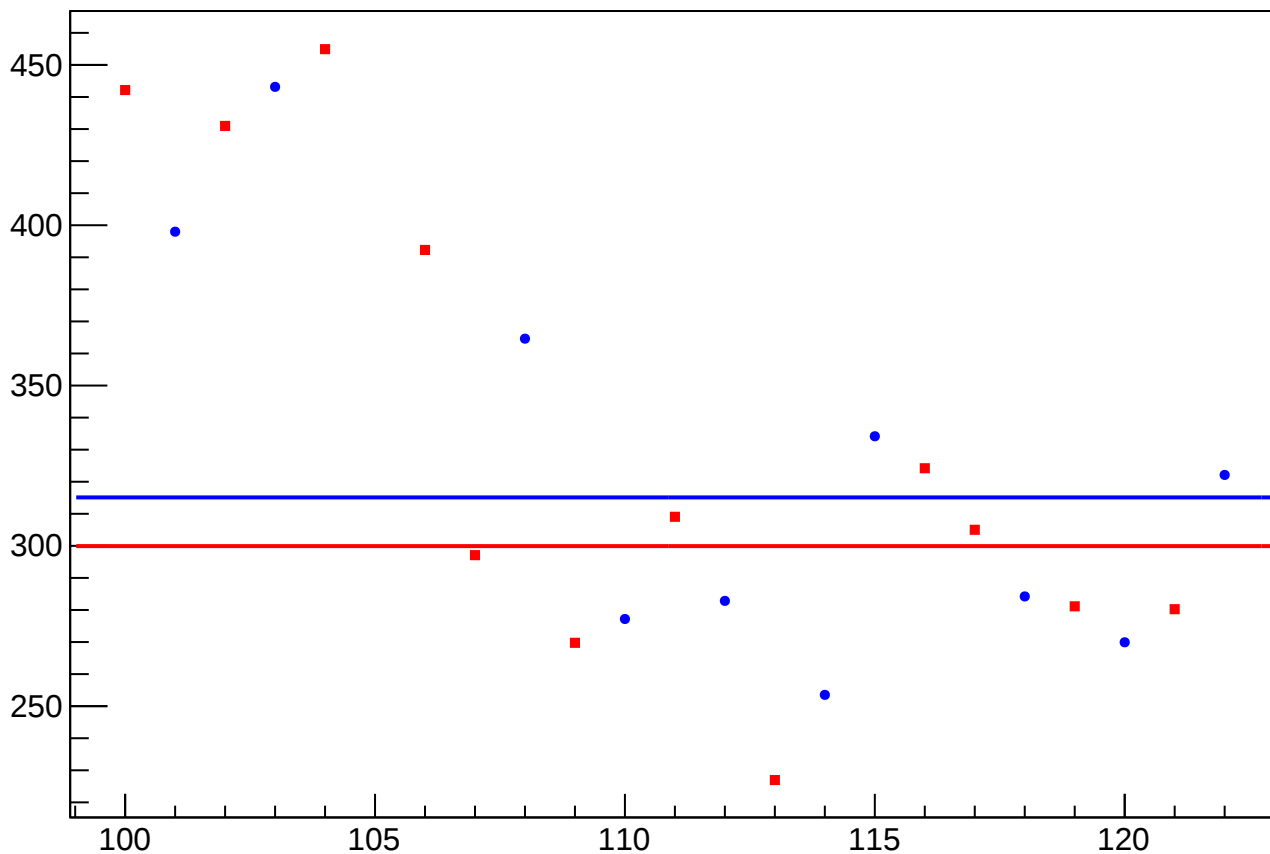
Right Out: 774.292 $\pm$ 148.158  $\chi^2$ /NDF: 85.9/11

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

249.736 $\pm$ 164.446  $\chi^2$ /NDF: 102.5/9

774.292 $\pm$ 148.158  $\chi^2$ /NDF: 85.9/11

# asym\_bpm0l02WS\_rms vs Slug



Right In: 315.109+/-0.116  $\chi^2/\text{NDF}$ : 227820.2/9

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

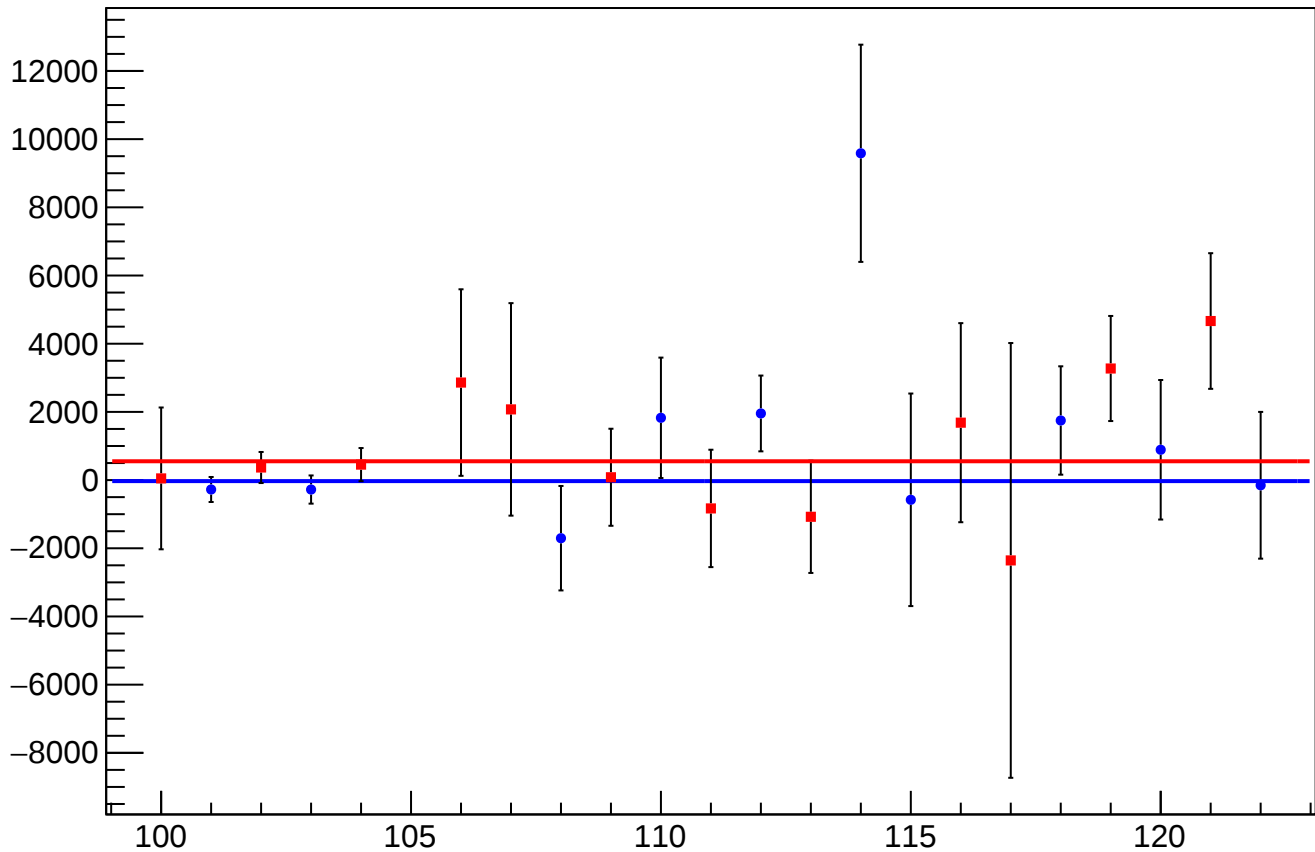
Right Out: 299.923+/-0.105  $\chi^2/\text{NDF}$ : 374313.2/11

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

315.109+/-0.116  $\chi^2/\text{NDF}$ : 227820.2/9

299.923+/-0.105  $\chi^2/\text{NDF}$ : 374313.2/11

# asym\_bpm0l03WS\_mean vs Slug



Right In: -29.831+/-250.834  $\chi^2/\text{NDF}$ : 16.9/9

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

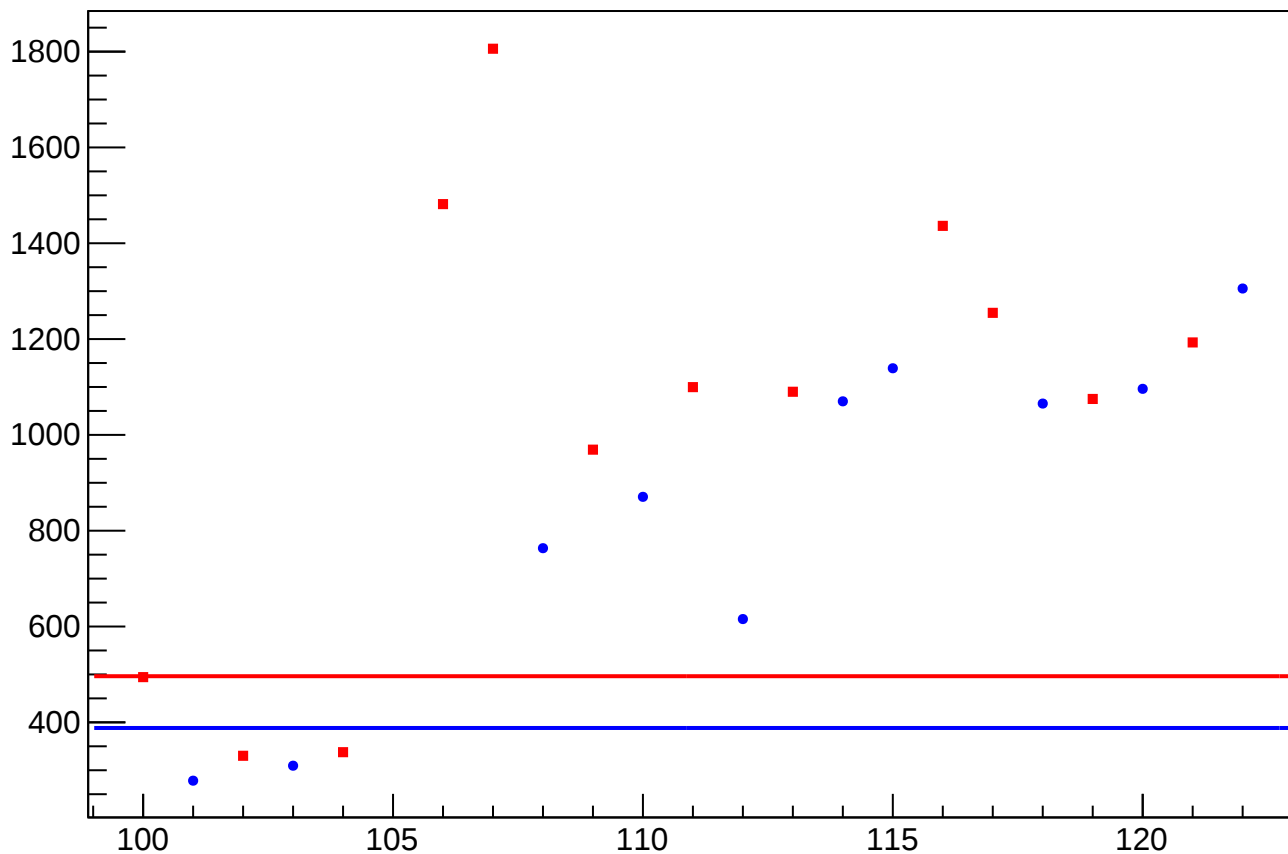
Right Out: 552.073+/-294.517  $\chi^2/\text{NDF}$ : 10.7/11

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

-29.831+/-250.834  $\chi^2/\text{NDF}$ : 16.9/9

552.073+/-294.517  $\chi^2/\text{NDF}$ : 10.7/11

# asym\_bpm0l03WS\_rms vs Slug



Right In: 388.233+/-0.177  $\chi^2/\text{NDF}$ : 1778897.2/9

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

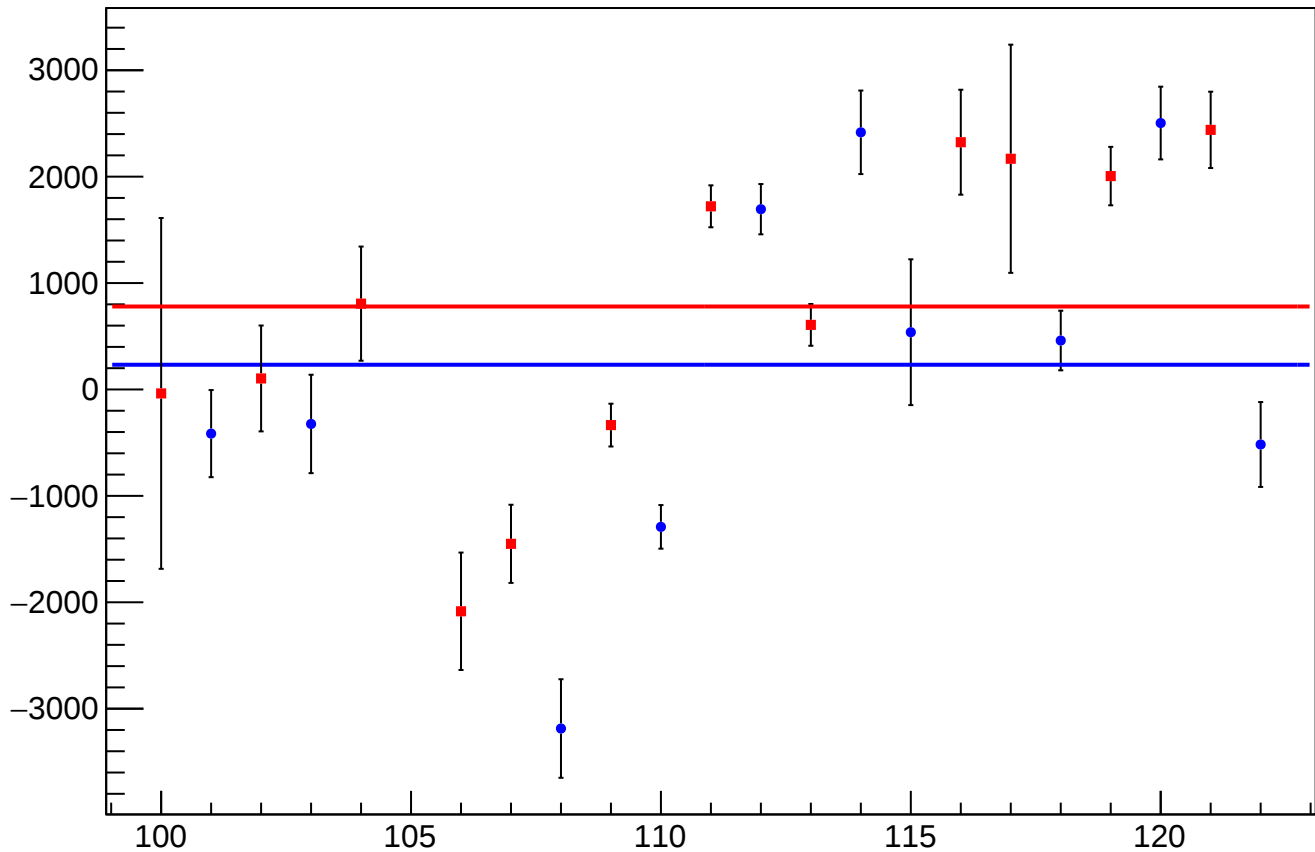
Right Out: 496.291+/-0.208  $\chi^2/\text{NDF}$ : 2580603.7/11

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

388.233+/-0.177  $\chi^2/\text{NDF}$ : 1778897.2/9

496.291+/-0.208  $\chi^2/\text{NDF}$ : 2580603.7/11

# asym\_bpm0l04WS\_mean vs Slug



Right In: 232.299+/-103.558  $\chi^2/\text{NDF}$ : 231.5/9

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

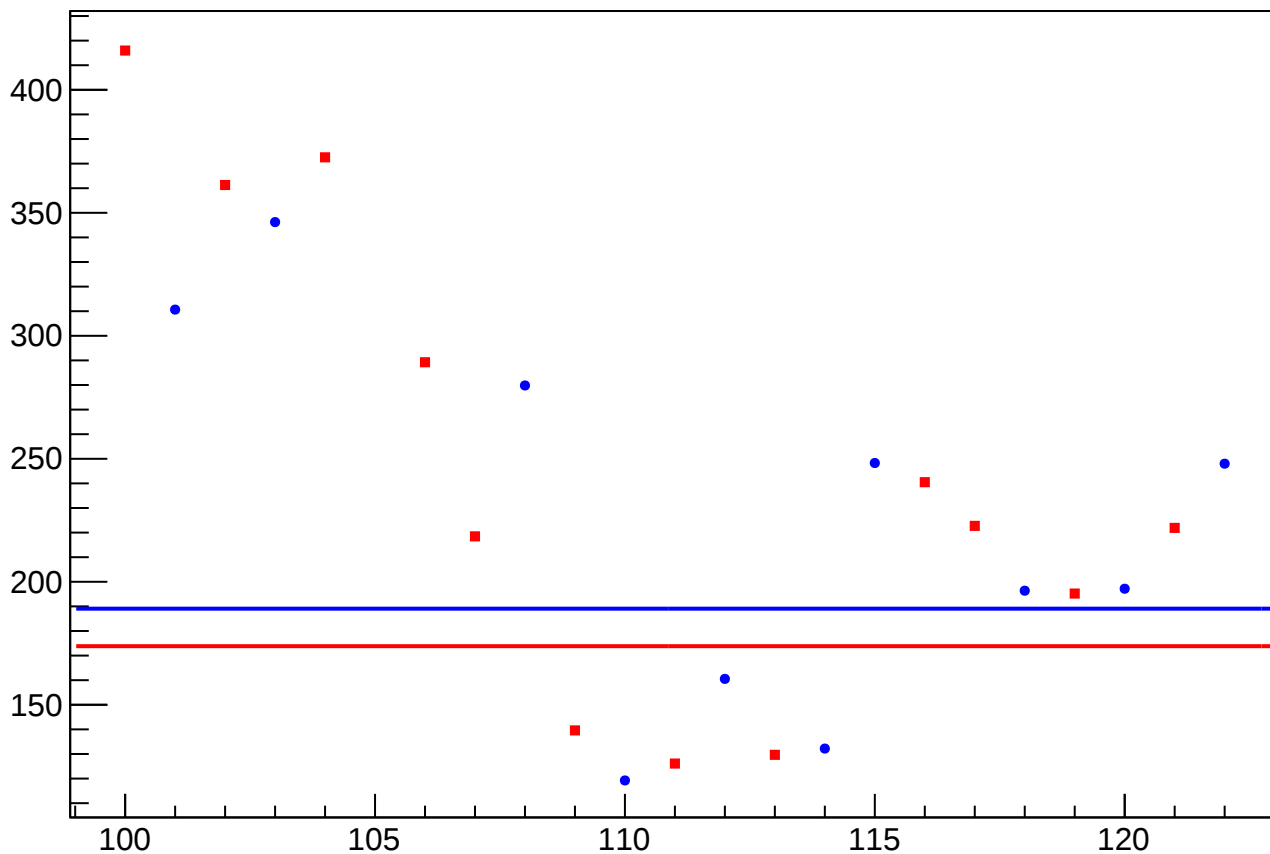
Right Out: 779.718+/-90.895  $\chi^2/\text{NDF}$ : 173.1/11

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

232.299+/-103.558  $\chi^2/\text{NDF}$ : 231.5/9

779.718+/-90.895  $\chi^2/\text{NDF}$ : 173.1/11

# asym\_bpm0l04WS\_rms vs Slug



Right In: 189.073+/-0.073  $\chi^2/\text{NDF}$ : 848613.2/9

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

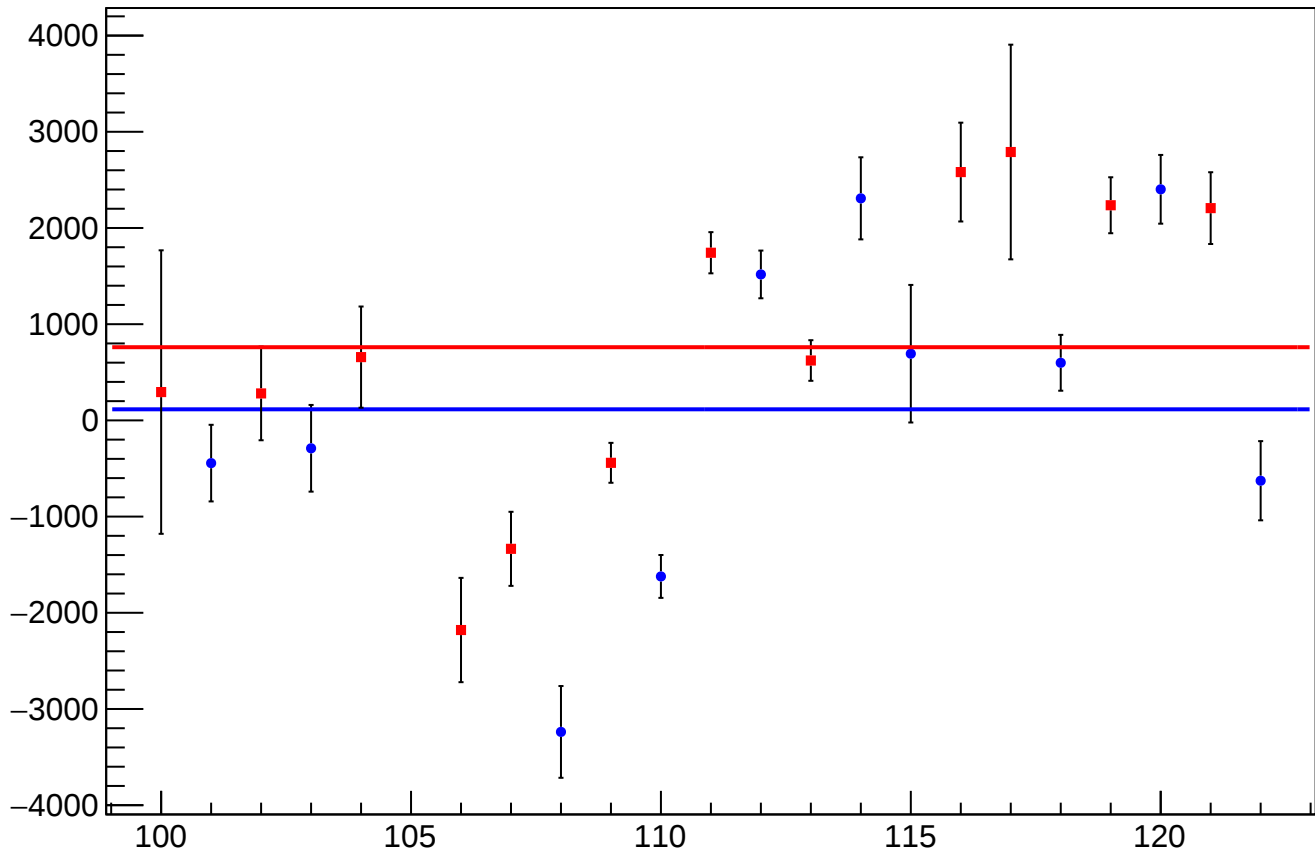
189.073+/-0.073  $\chi^2/\text{NDF}$ : 848613.2/9

Right Out: 173.824+/-0.064  $\chi^2/\text{NDF}$ : 1084236.6/11

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

173.824+/-0.064  $\chi^2/\text{NDF}$ : 1084236.6/11

# asym\_bpm0l05WS\_mean vs Slug



Right In: 115.095+/-108.408  $\chi^2/\text{NDF}$ : 219.1/9

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

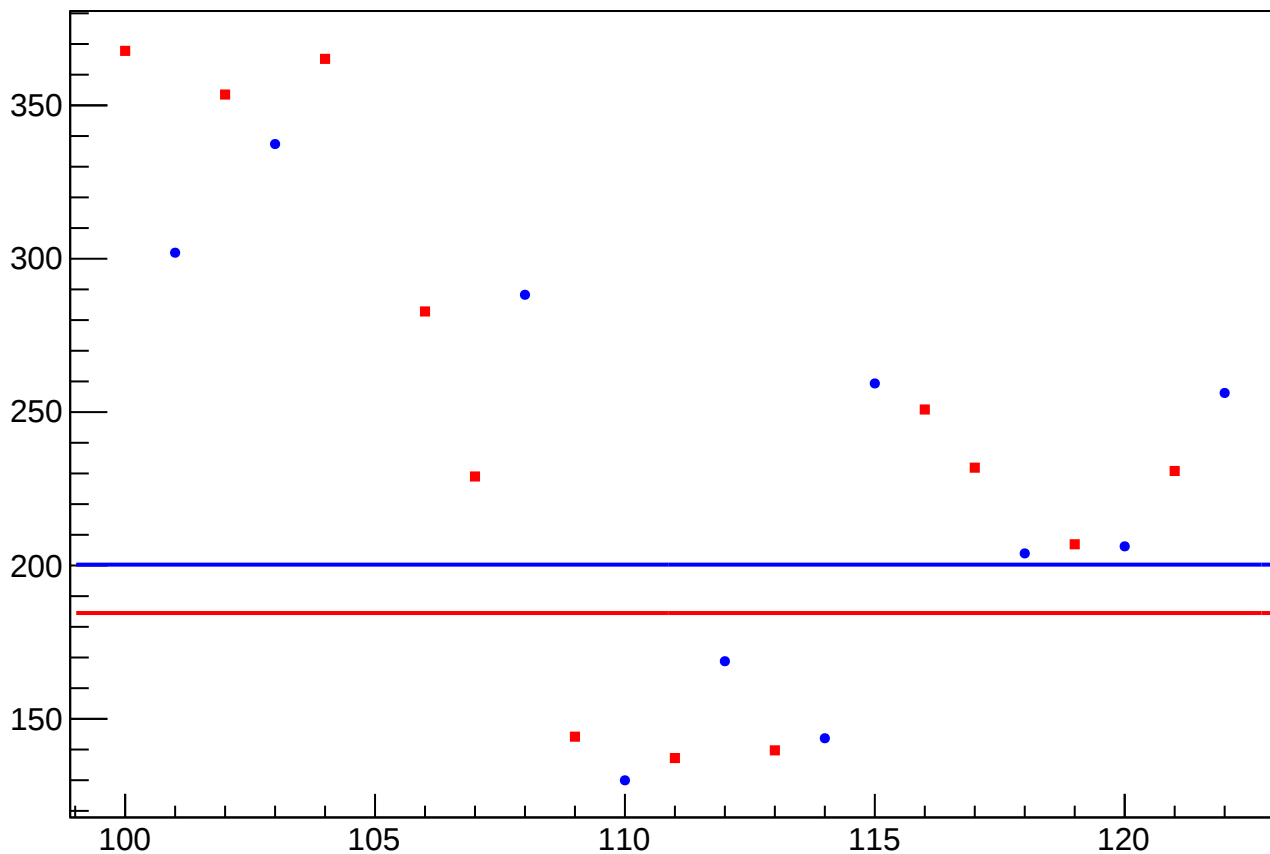
Right Out: 760.705+/-95.542  $\chi^2/\text{NDF}$ : 171.8/11

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

115.095+/-108.408  $\chi^2/\text{NDF}$ : 219.1/9

760.705+/-95.542  $\chi^2/\text{NDF}$ : 171.8/11

# asym\_bpm0l05WS\_rms vs Slug



Right In: 200.279+/-0.077  $\chi^2/\text{NDF}$ : 701781.1/9

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

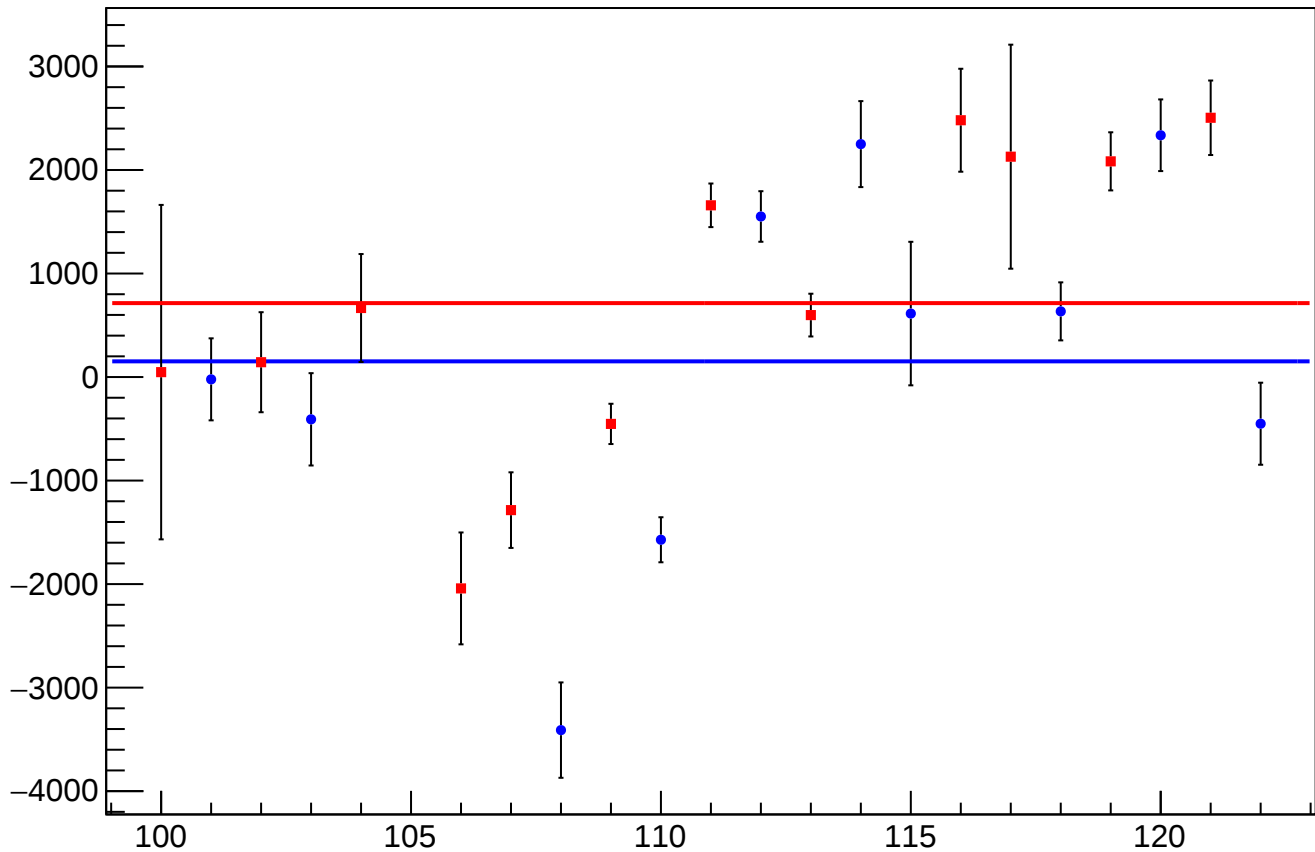
Right Out: 184.500+/-0.068  $\chi^2/\text{NDF}$ : 943310.1/11

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

200.279+/-0.077  $\chi^2/\text{NDF}$ : 701781.1/9

184.500+/-0.068  $\chi^2/\text{NDF}$ : 943310.1/11

# asym\_bpm0l06WS\_mean vs Slug



Right In: 151.567 $\pm$ 105.794  $\chi^2$ /NDF: 228.2/9

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

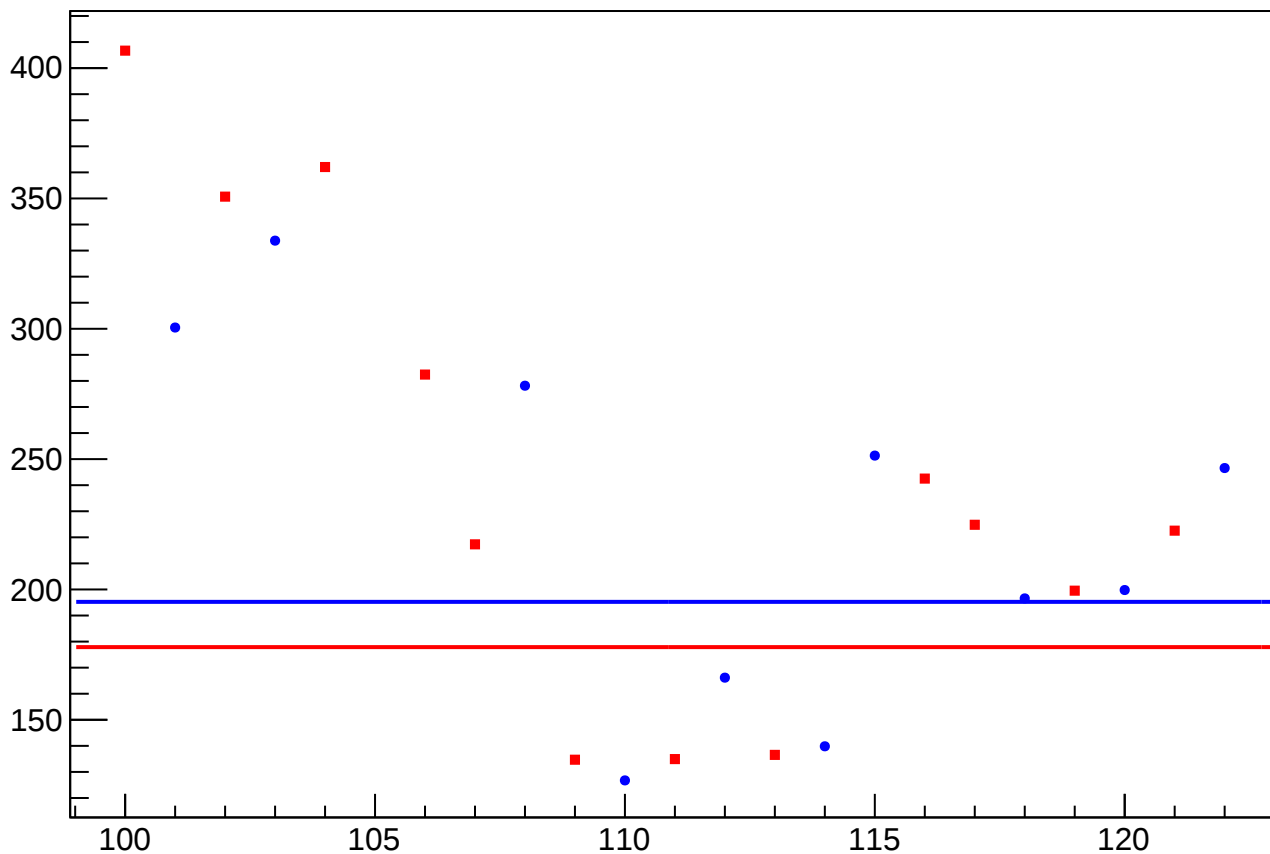
Right Out: 714.135 $\pm$ 92.433  $\chi^2$ /NDF: 176.9/11

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

151.567 $\pm$ 105.794  $\chi^2$ /NDF: 228.2/9

714.135 $\pm$ 92.433  $\chi^2$ /NDF: 176.9/11

# asym\_bpm0l06WS\_rms vs Slug



Right In: 195.242 $\pm$ 0.075  $\chi^2$ /NDF: 708418.3/9

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

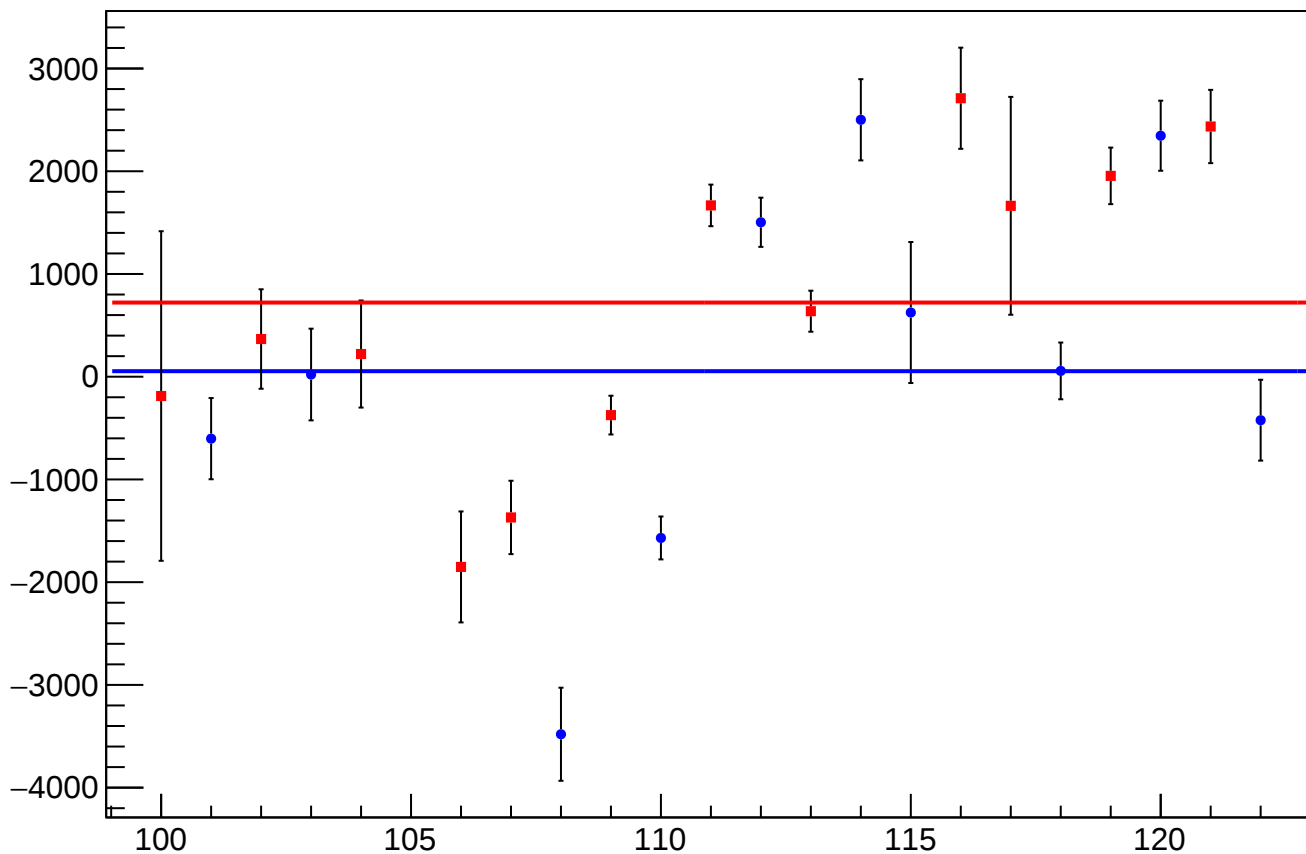
Right Out: 177.882 $\pm$ 0.065  $\chi^2$ /NDF: 986136.6/11

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

195.242 $\pm$ 0.075  $\chi^2$ /NDF: 708418.3/9

177.882 $\pm$ 0.065  $\chi^2$ /NDF: 986136.6/11

# asym\_bpm0l07WS\_mean vs Slug



Right In: 53.808 $\pm$ 103.497  $\chi^2$ /NDF: 246.3/9

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

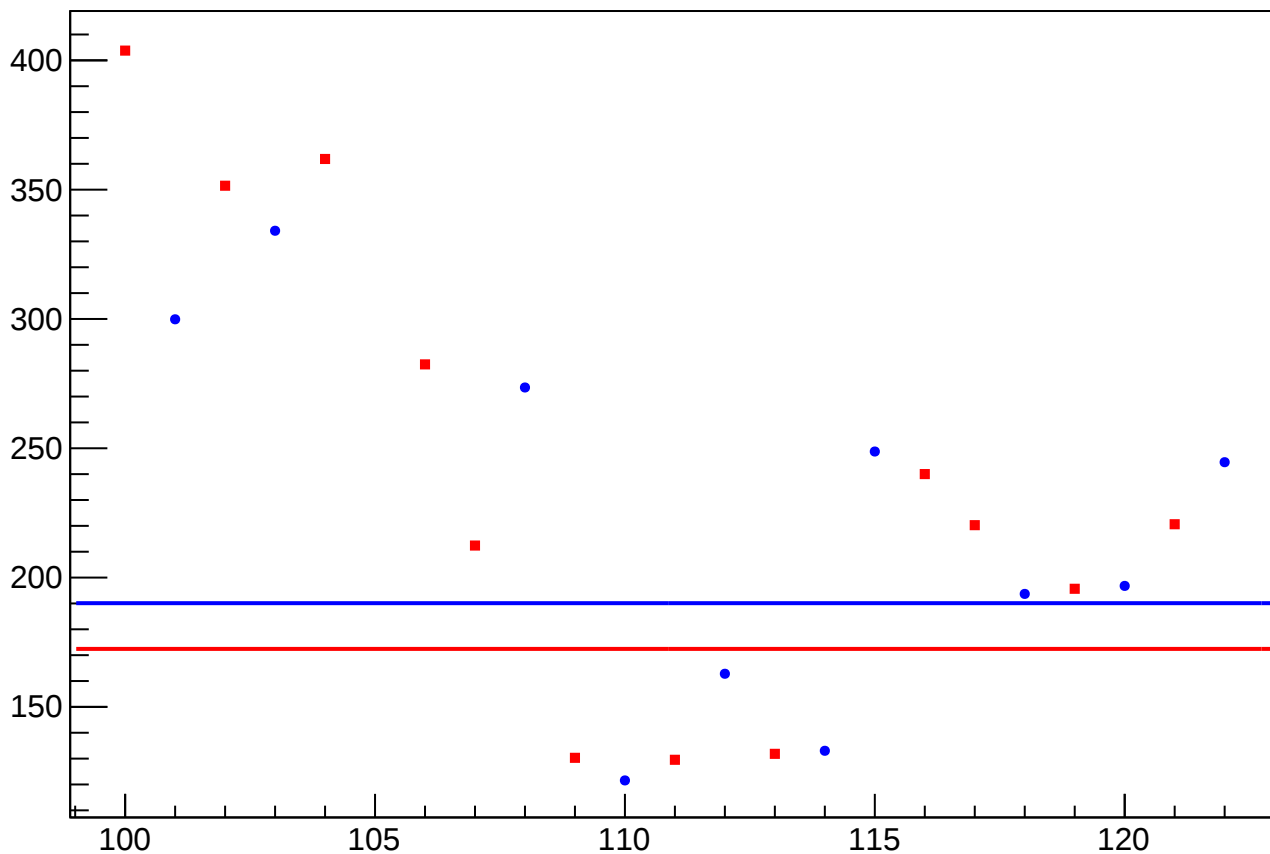
Right Out: 721.903 $\pm$ 90.046  $\chi^2$ /NDF: 174.9/11

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

53.808 $\pm$ 103.497  $\chi^2$ /NDF: 246.3/9

721.903 $\pm$ 90.046  $\chi^2$ /NDF: 174.9/11

# asym\_bpm0l07WS\_rms vs Slug



Right In: 190.104 $\pm$ 0.073  $\chi^2$ /NDF: 767442.3/9

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

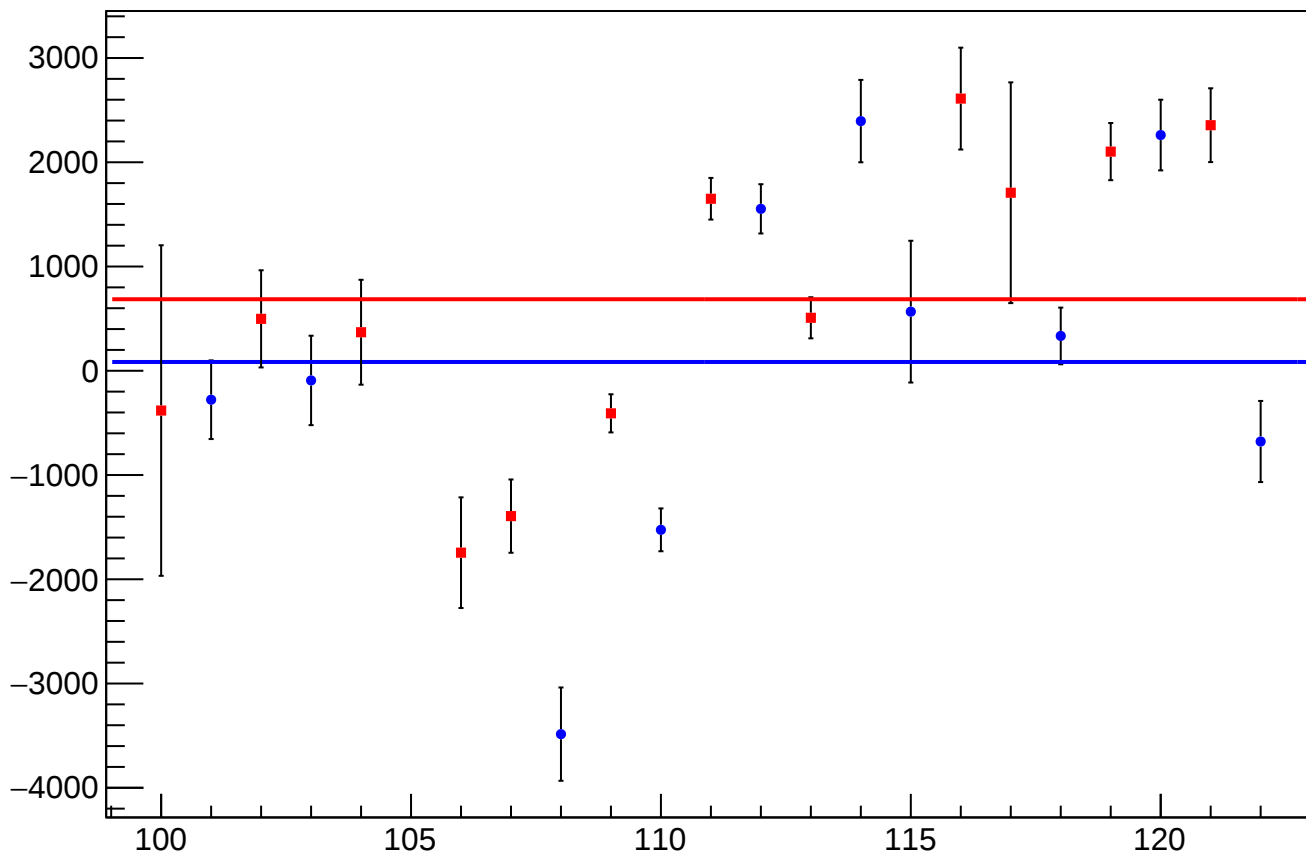
Right Out: 172.422 $\pm$ 0.064  $\chi^2$ /NDF: 1052462.8/11

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

190.104 $\pm$ 0.073  $\chi^2$ /NDF: 767442.3/9

172.422 $\pm$ 0.064  $\chi^2$ /NDF: 1052462.8/11

# asym\_bpm0l08WS\_mean vs Slug



Right In: 84.384+/-101.809  $\chi^2/\text{NDF}$ : 245.4/9

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

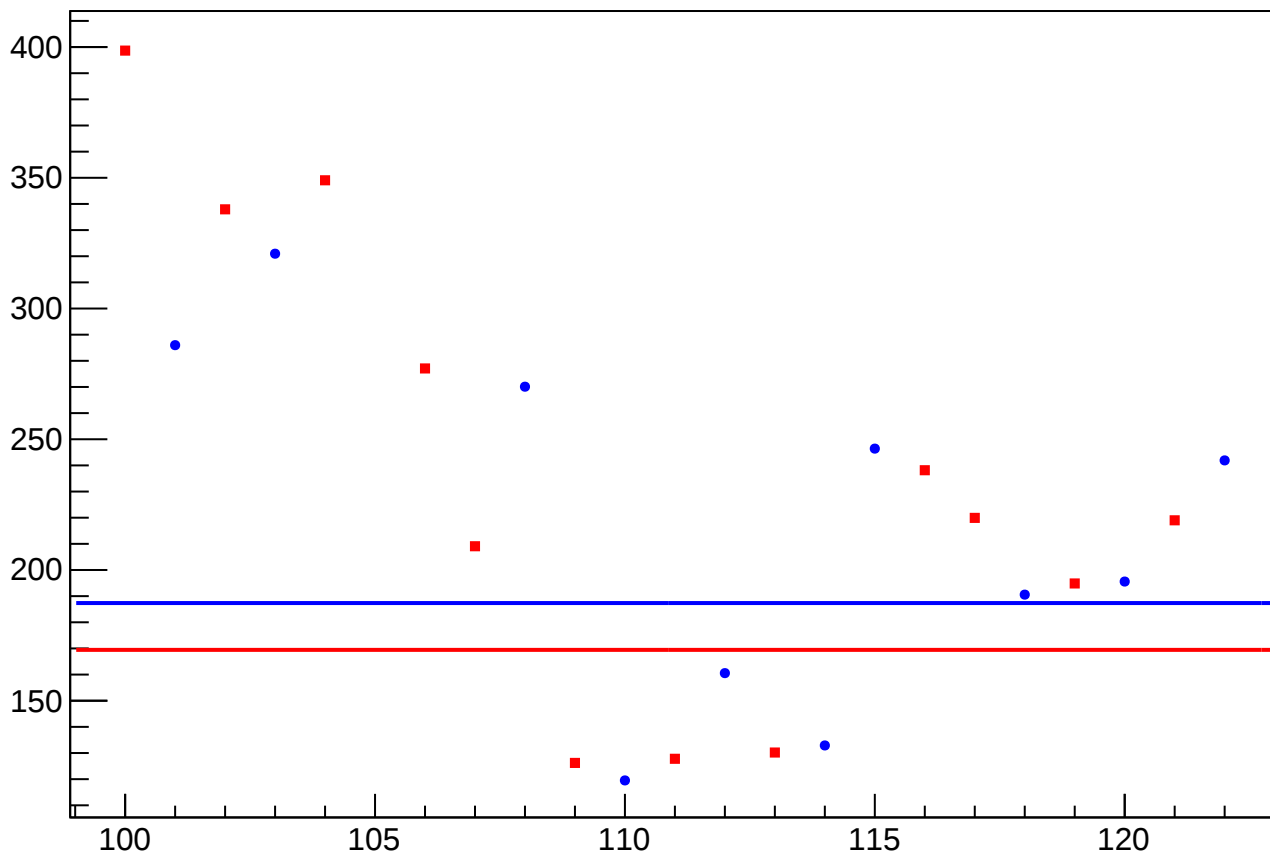
Right Out: 686.115+/-88.509  $\chi^2/\text{NDF}$ : 182.3/11

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

84.384+/-101.809  $\chi^2/\text{NDF}$ : 245.4/9

686.115+/-88.509  $\chi^2/\text{NDF}$ : 182.3/11

# asym\_bpm0l08WS\_rms vs Slug



Right In: 187.357+/-0.072  $\chi^2/\text{NDF}$ : 736754.0/9

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

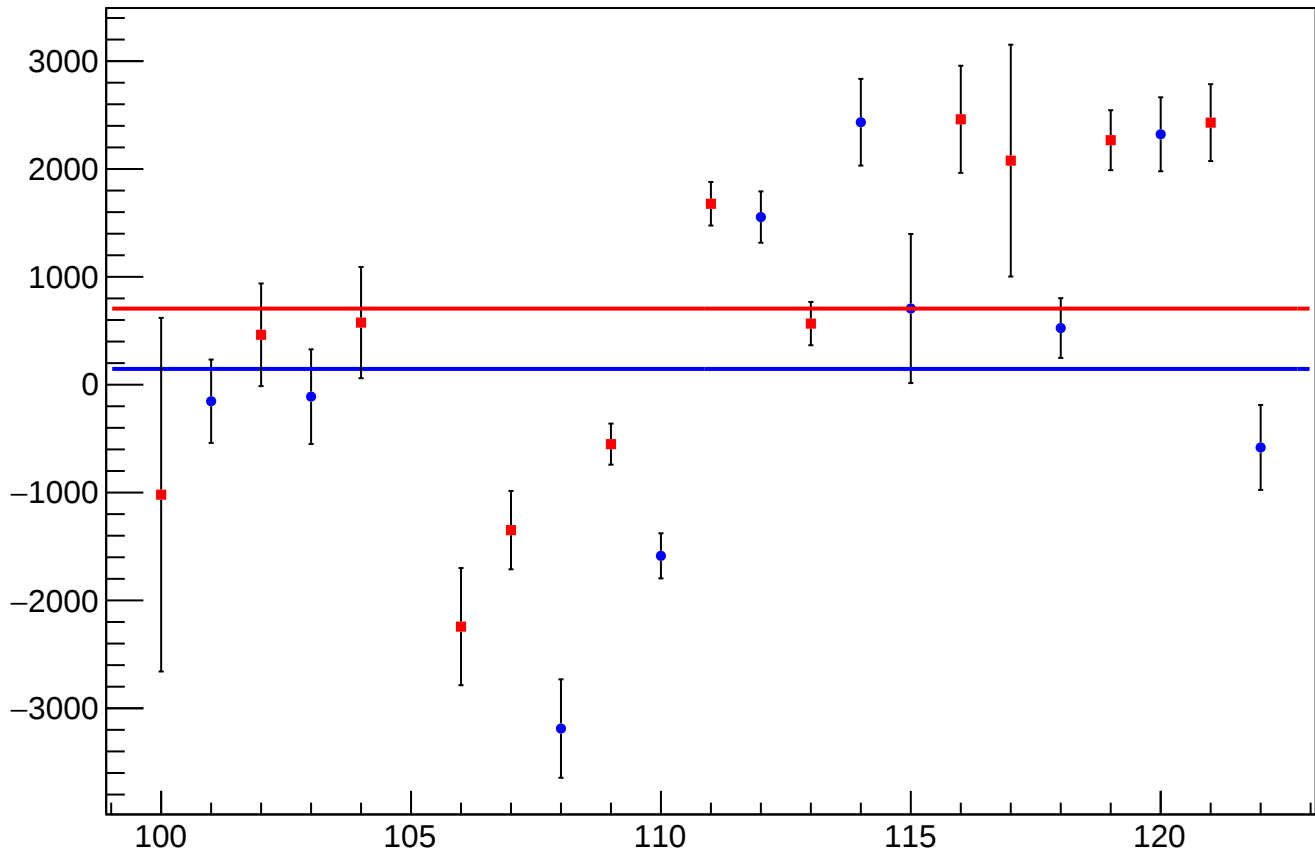
187.357+/-0.072  $\chi^2/\text{NDF}$ : 736754.0/9

Right Out: 169.449+/-0.063  $\chi^2/\text{NDF}$ : 1044461.3/11

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

169.449+/-0.063  $\chi^2/\text{NDF}$ : 1044461.3/11

# asym\_bpm0l09WS\_mean vs Slug



Right In: 146.344+/-103.436  $\chi^2/\text{NDF}$ : 236.5/9

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

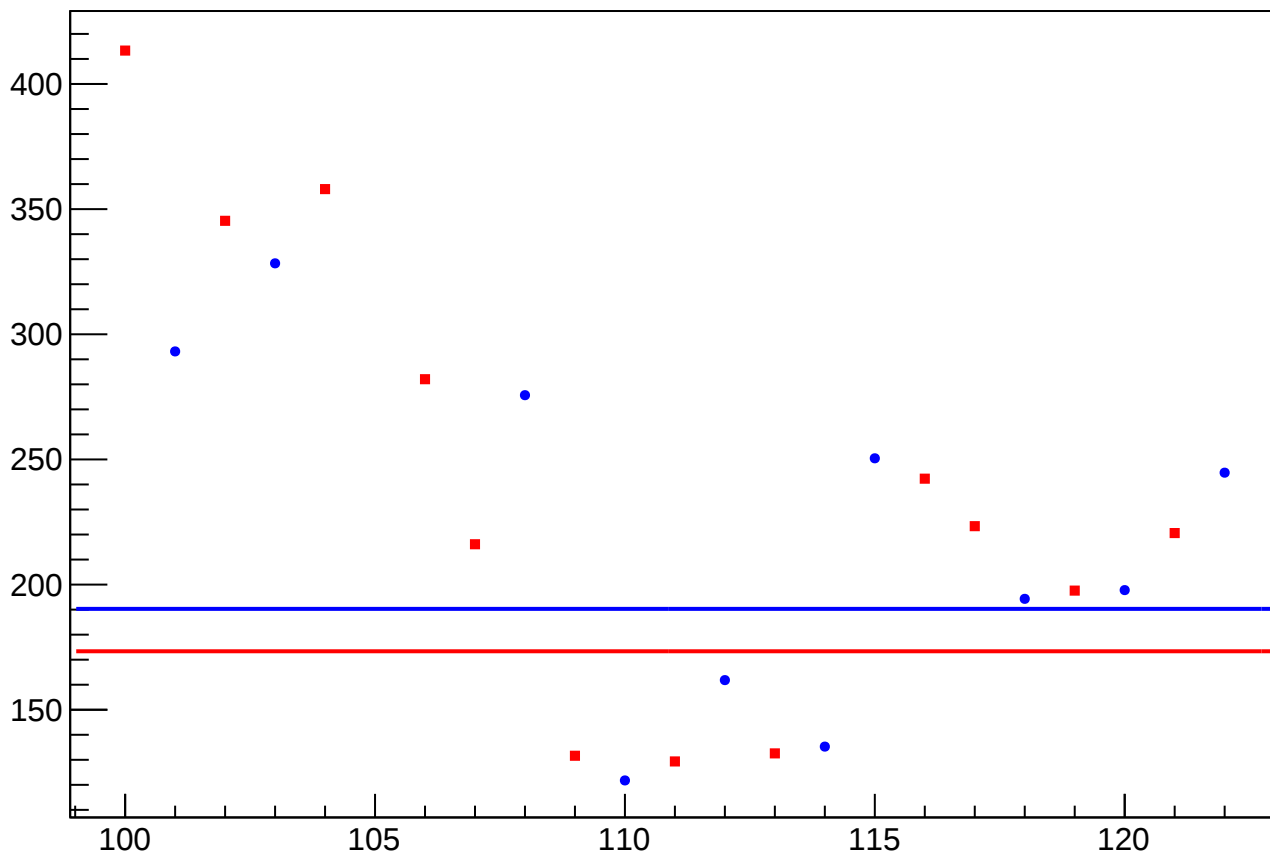
Right Out: 705.571+/-90.467  $\chi^2/\text{NDF}$ : 199.1/11

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

146.344+/-103.436  $\chi^2/\text{NDF}$ : 236.5/9

705.571+/-90.467  $\chi^2/\text{NDF}$ : 199.1/11

# asym\_bpm0l09WS\_rms vs Slug



Right In: 190.300+/-0.073  $\chi^2/\text{NDF}$ : 745092.2/9

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

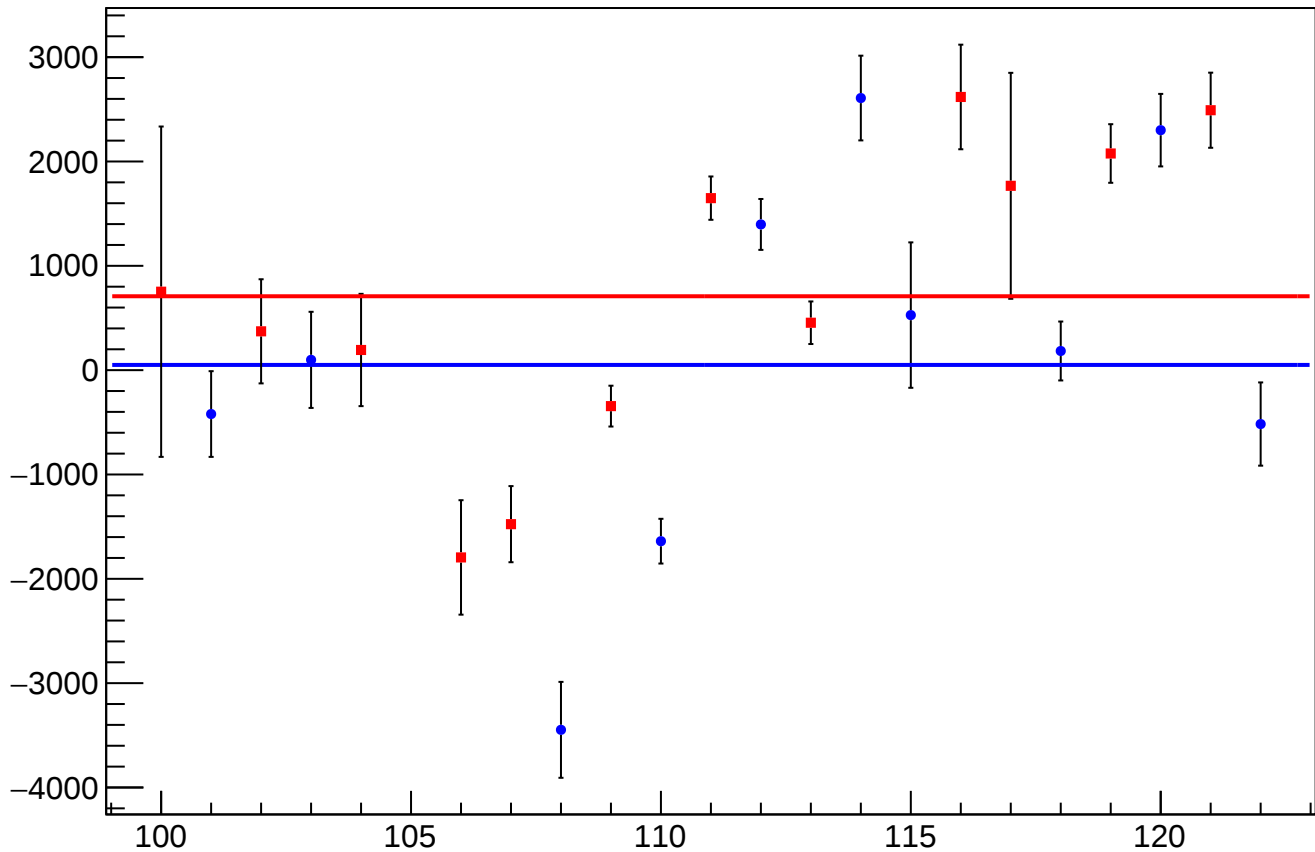
Right Out: 173.362+/-0.064  $\chi^2/\text{NDF}$ : 1035206.7/11

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

190.300+/-0.073  $\chi^2/\text{NDF}$ : 745092.2/9

173.362+/-0.064  $\chi^2/\text{NDF}$ : 1035206.7/11

# asym\_bpm0l10WS\_mean vs Slug



Right In: 50.102 $\pm$ 105.895  $\chi^2$ /NDF: 236.1/9

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

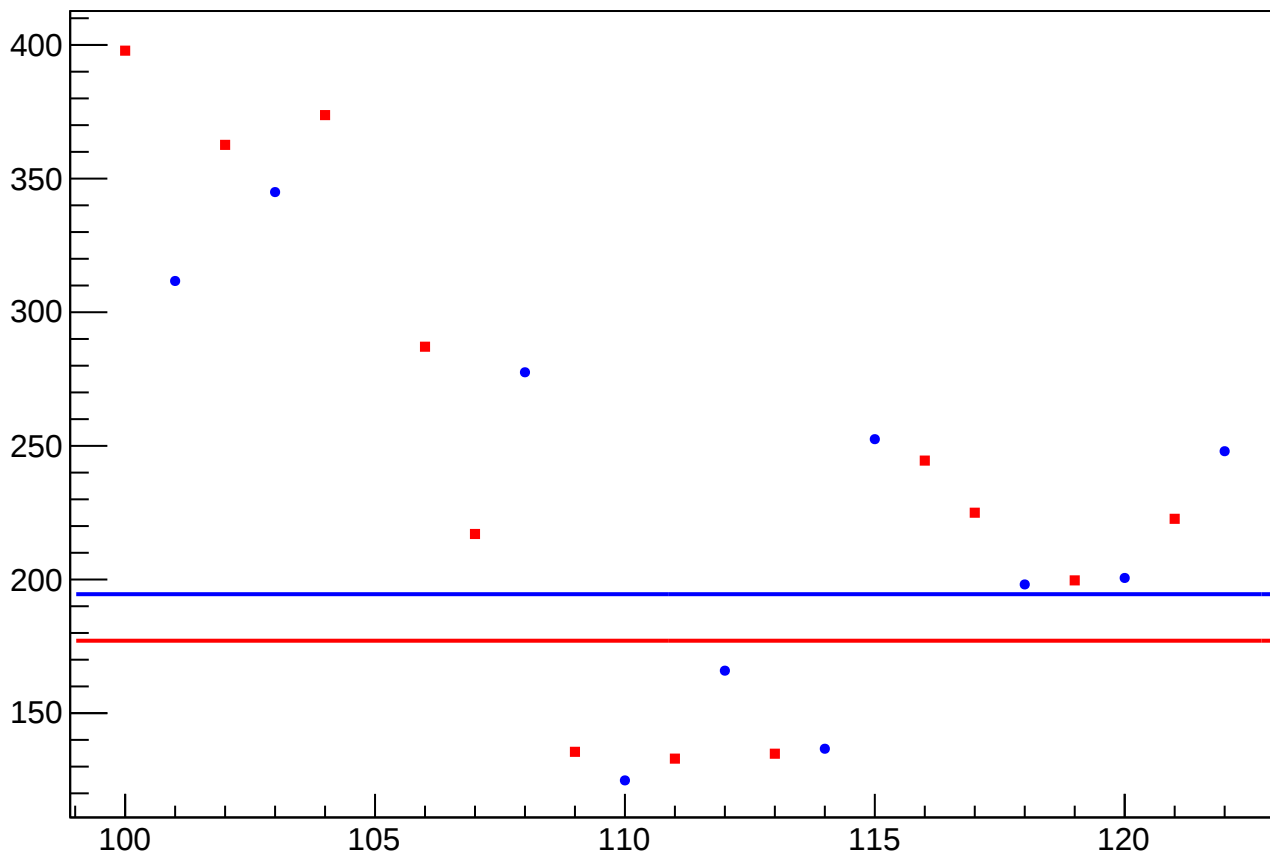
Right Out: 708.259 $\pm$ 92.340  $\chi^2$ /NDF: 172.8/11

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

50.102 $\pm$ 105.895  $\chi^2$ /NDF: 236.1/9

708.259 $\pm$ 92.340  $\chi^2$ /NDF: 172.8/11

# asym\_bpm0l10WS\_rms vs Slug



Right In: 194.511+/-0.075  $\chi^2/\text{NDF}$ : 771462.7/9

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

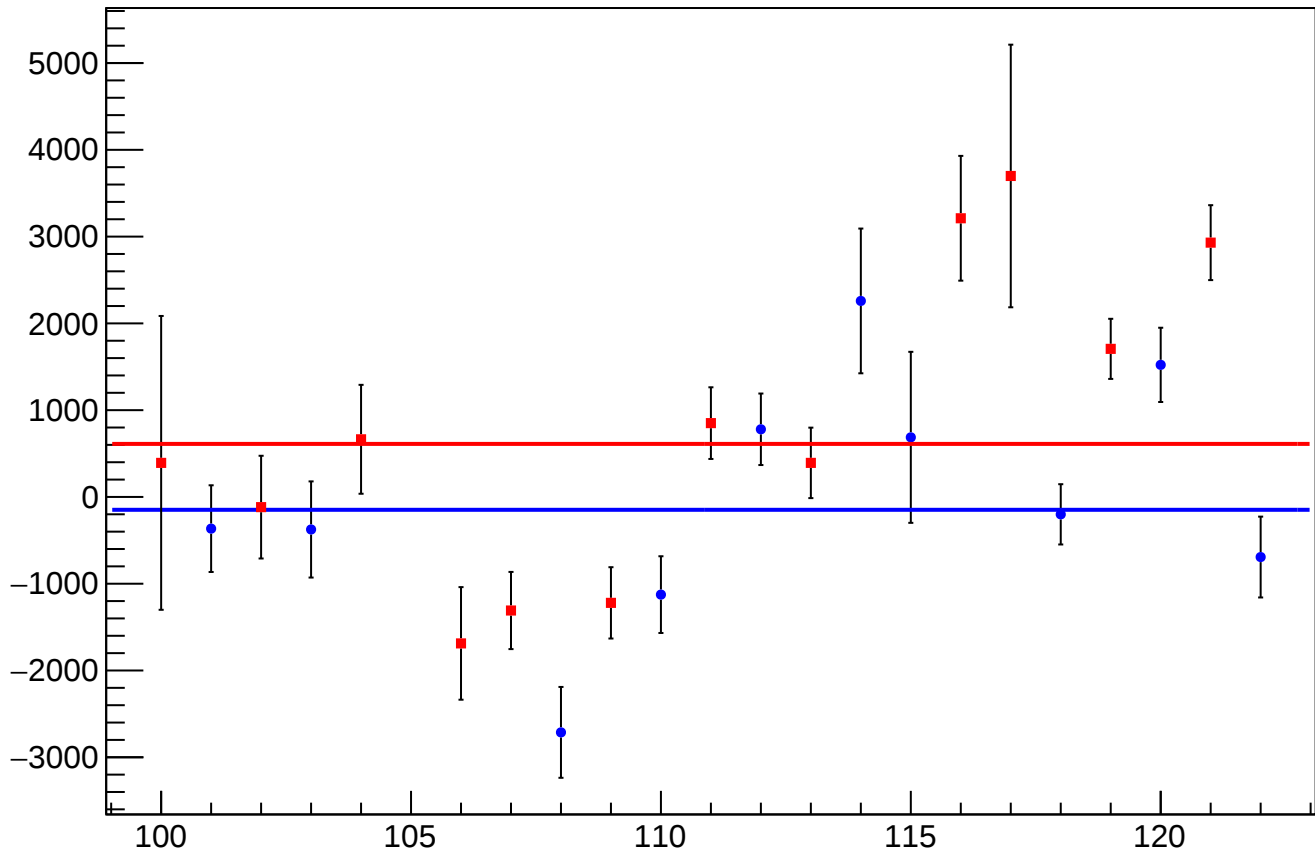
Right Out: 177.103+/-0.065  $\chi^2/\text{NDF}$ : 1038298.2/11

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

194.511+/-0.075  $\chi^2/\text{NDF}$ : 771462.7/9

177.103+/-0.065  $\chi^2/\text{NDF}$ : 1038298.2/11

# asym\_bpm0r03WS\_mean vs Slug



Right In: -148.243+/-152.940  $\chi^2$ /NDF: 60.0/9

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

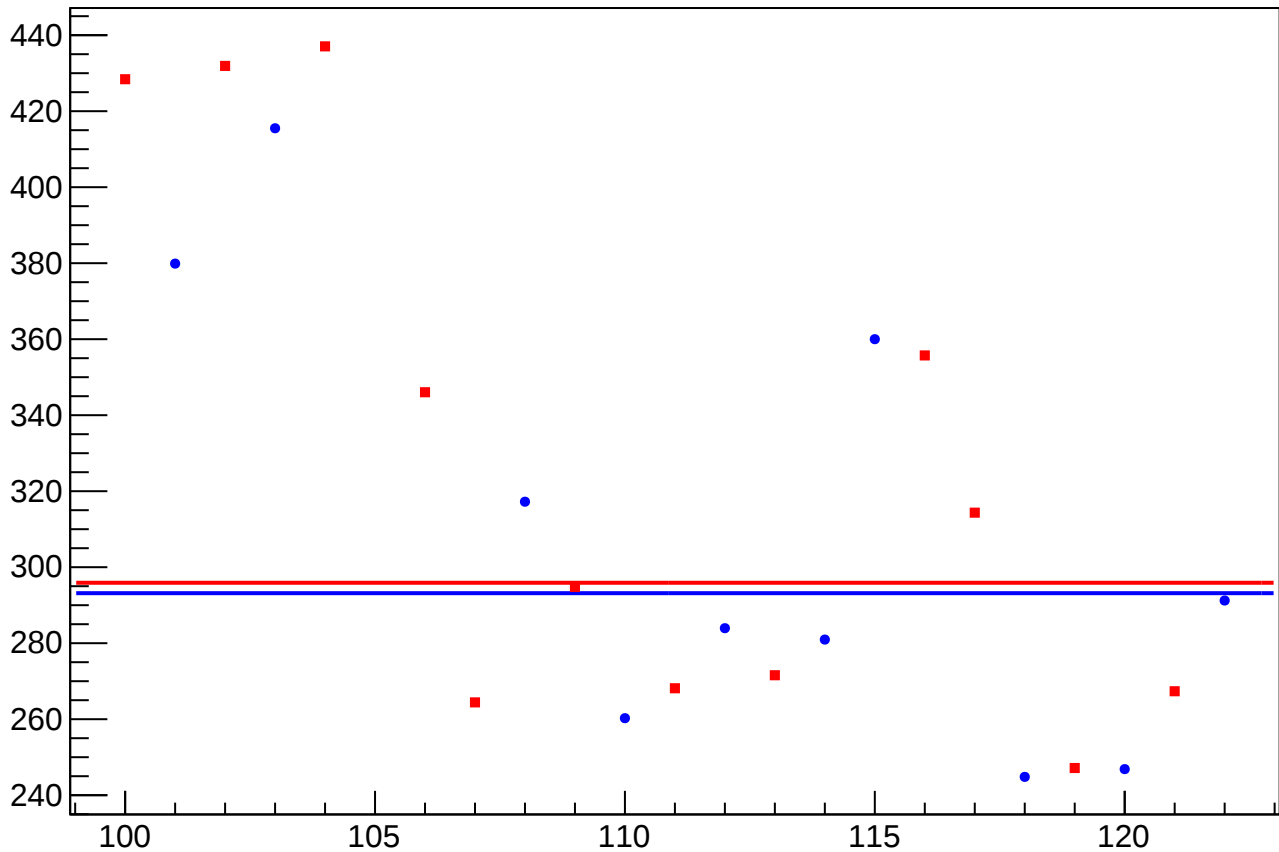
Right Out: 611.132+/-145.706  $\chi^2$ /NDF: 109.3/11

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

-148.243+/-152.940  $\chi^2$ /NDF: 60.0/9

611.132+/-145.706  $\chi^2$ /NDF: 109.3/11

# asym\_bpm0r03WS\_rms vs Slug



Right In: 293.164+/-0.108  $\chi^2/\text{NDF}$ : 245917.5/9

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

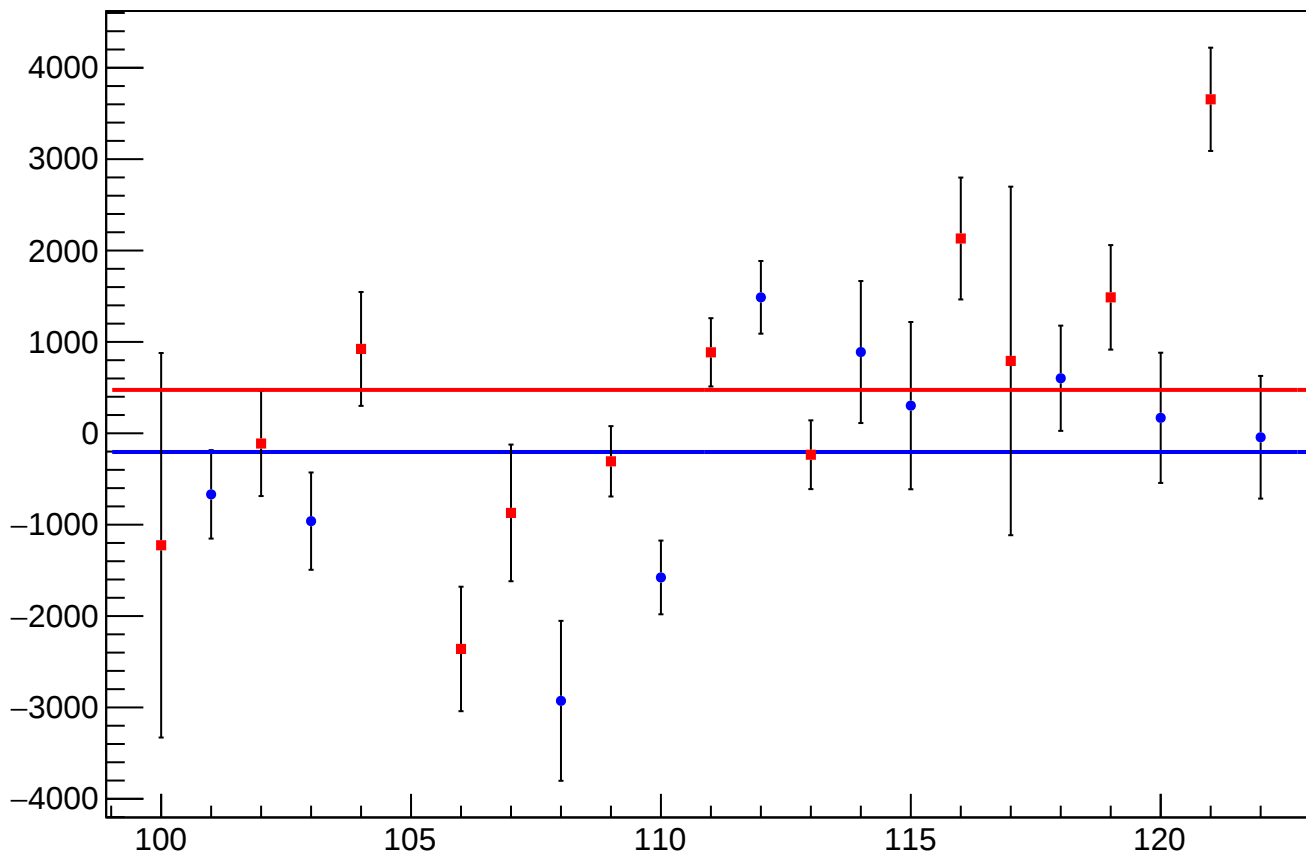
Right Out: 295.906+/-0.103  $\chi^2/\text{NDF}$ : 319808.6/11

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

293.164+/-0.108  $\chi^2/\text{NDF}$ : 245917.5/9

295.906+/-0.103  $\chi^2/\text{NDF}$ : 319808.6/11

# asym\_bpm0r05WS\_mean vs Slug



Right In: -204.571+/-177.825  $\chi^2$ /NDF: 46.9/9

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

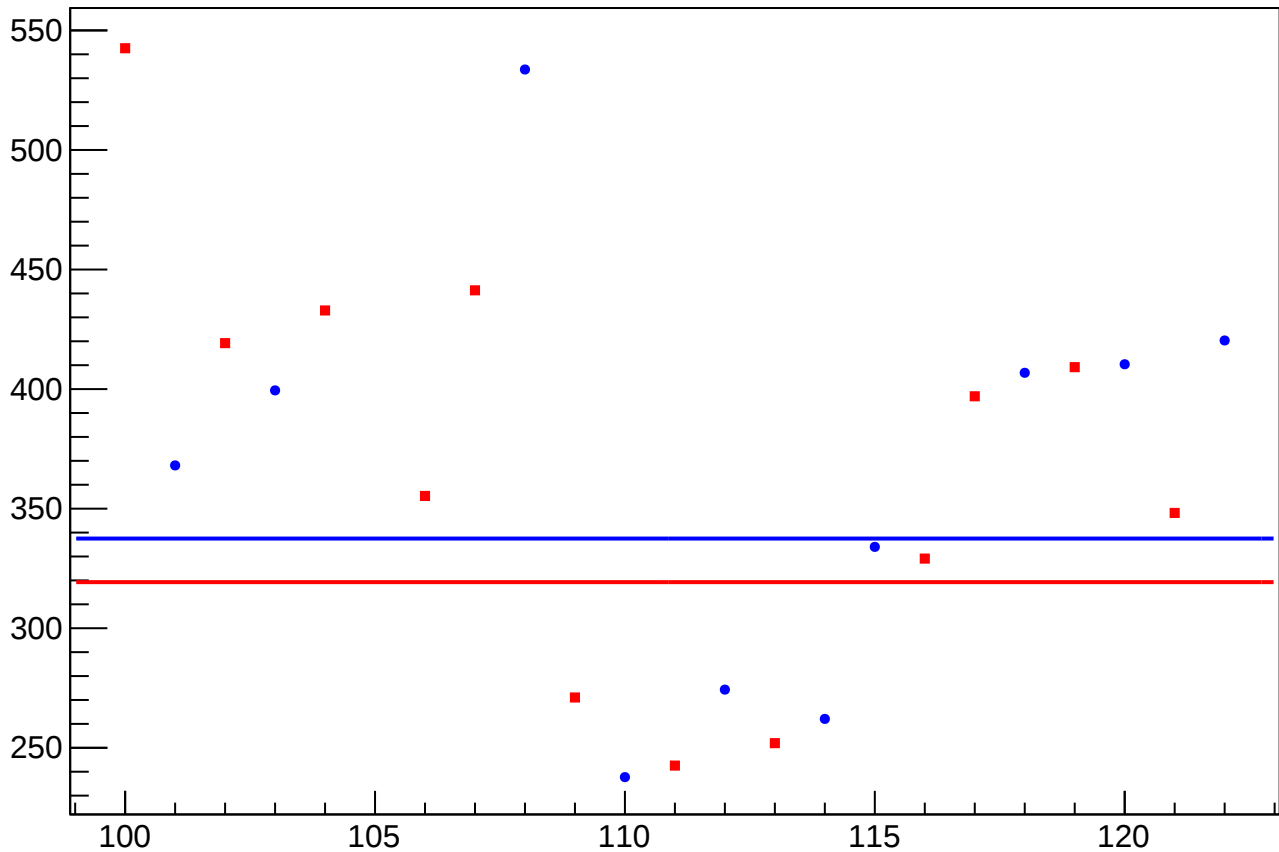
Right Out: 474.870+/-159.200  $\chi^2$ /NDF: 72.7/11

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

-204.571+/-177.825  $\chi^2$ /NDF: 46.9/9

474.870+/-159.200  $\chi^2$ /NDF: 72.7/11

# asym\_bpm0r05WS\_rms vs Slug



Right In: 337.503+/-0.126  $\chi^2/\text{NDF}$ : 407592.4/9

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

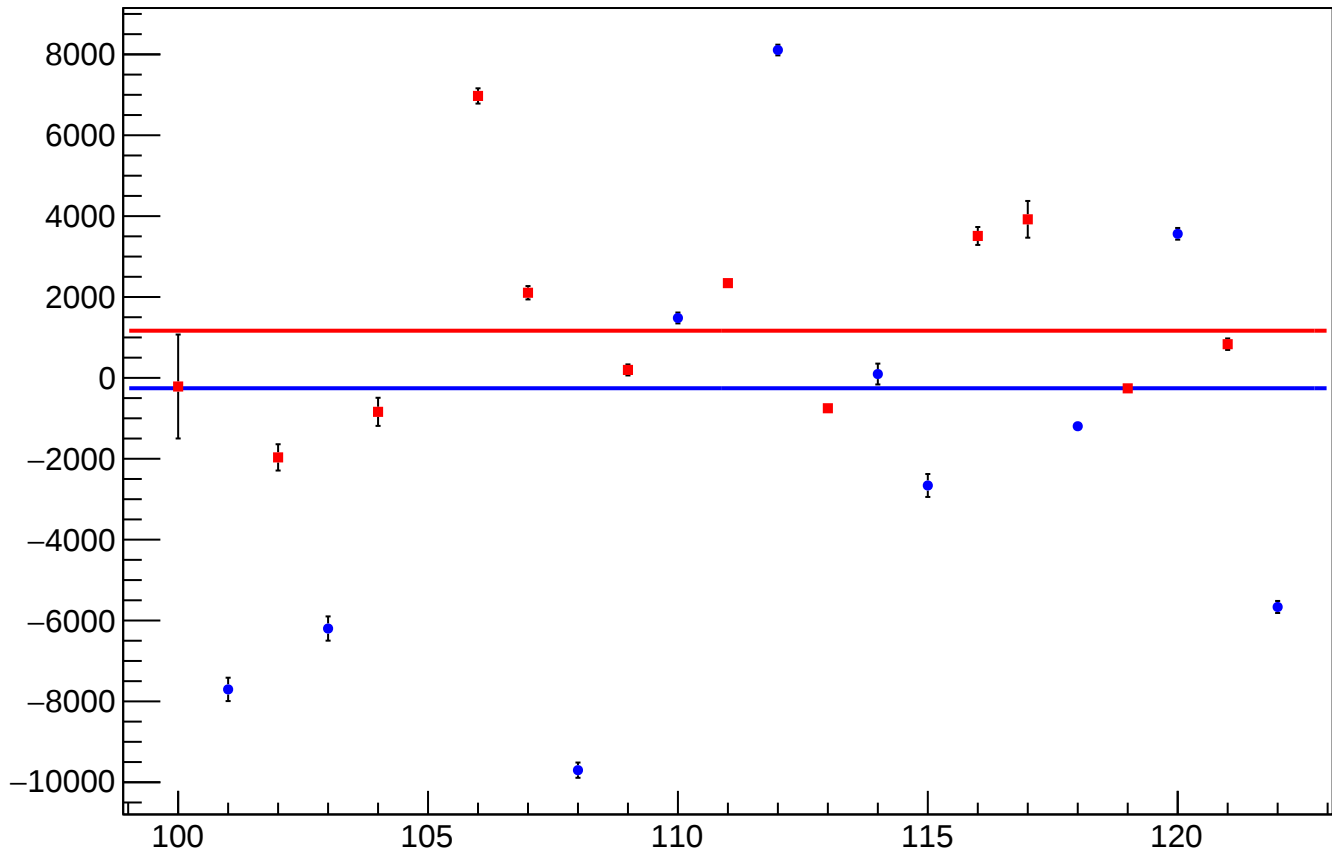
Right Out: 319.273+/-0.113  $\chi^2/\text{NDF}$ : 446507.0/11

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

337.503+/-0.126  $\chi^2/\text{NDF}$ : 407592.4/9

319.273+/-0.113  $\chi^2/\text{NDF}$ : 446507.0/11

# asym\_bpm1i04WS\_mean vs Slug



Right In: -256.028+/-53.174  $\chi^2/\text{NDF}$ : 9867.6/9

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

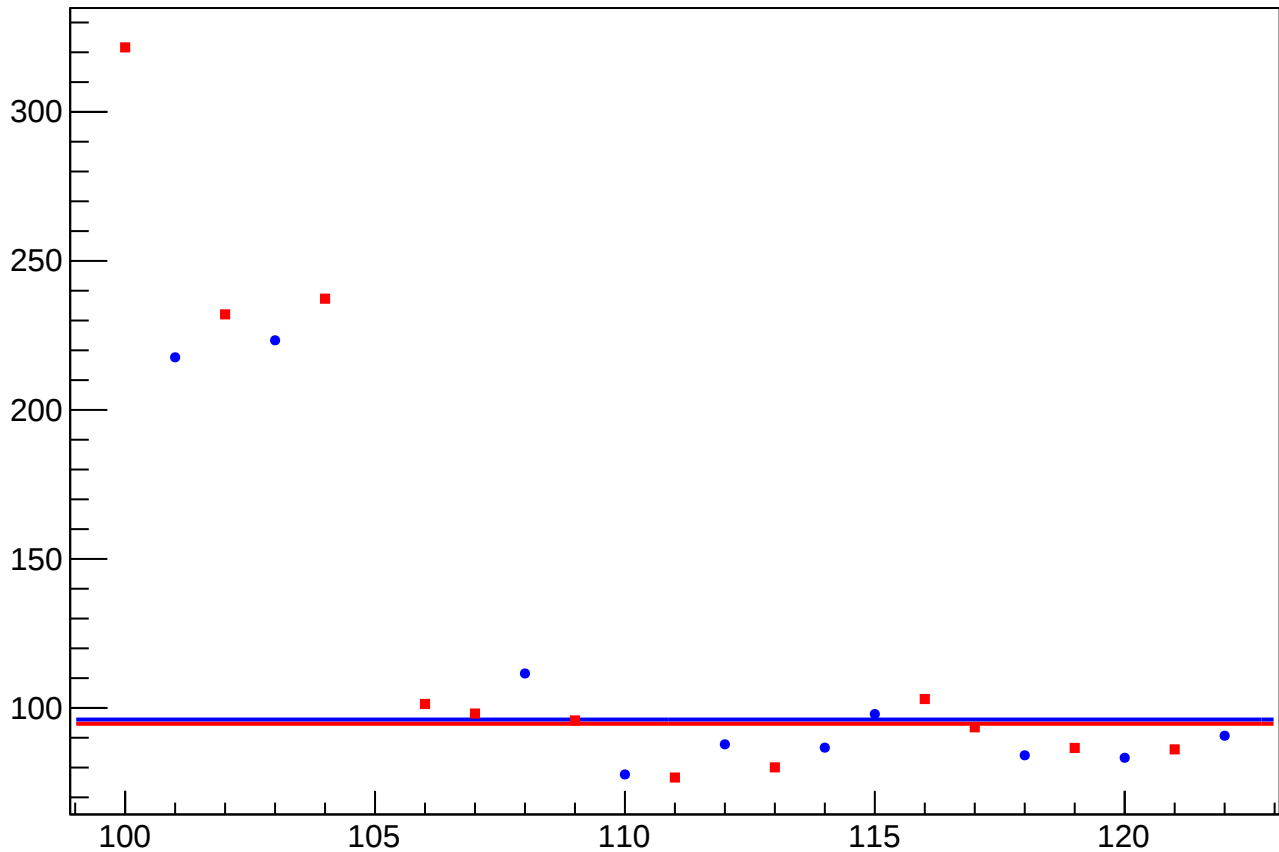
Right Out: 1166.658+/-49.284  $\chi^2/\text{NDF}$ : 1783.2/11

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

-256.028+/-53.174  $\chi^2/\text{NDF}$ : 9867.6/9

1166.658+/-49.284  $\chi^2/\text{NDF}$ : 1783.2/11

# asym\_bpm1i04WS\_rms vs Slug



Right In: 96.106+/-0.038  $\chi^2/\text{NDF}$ : 813983.9/9

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

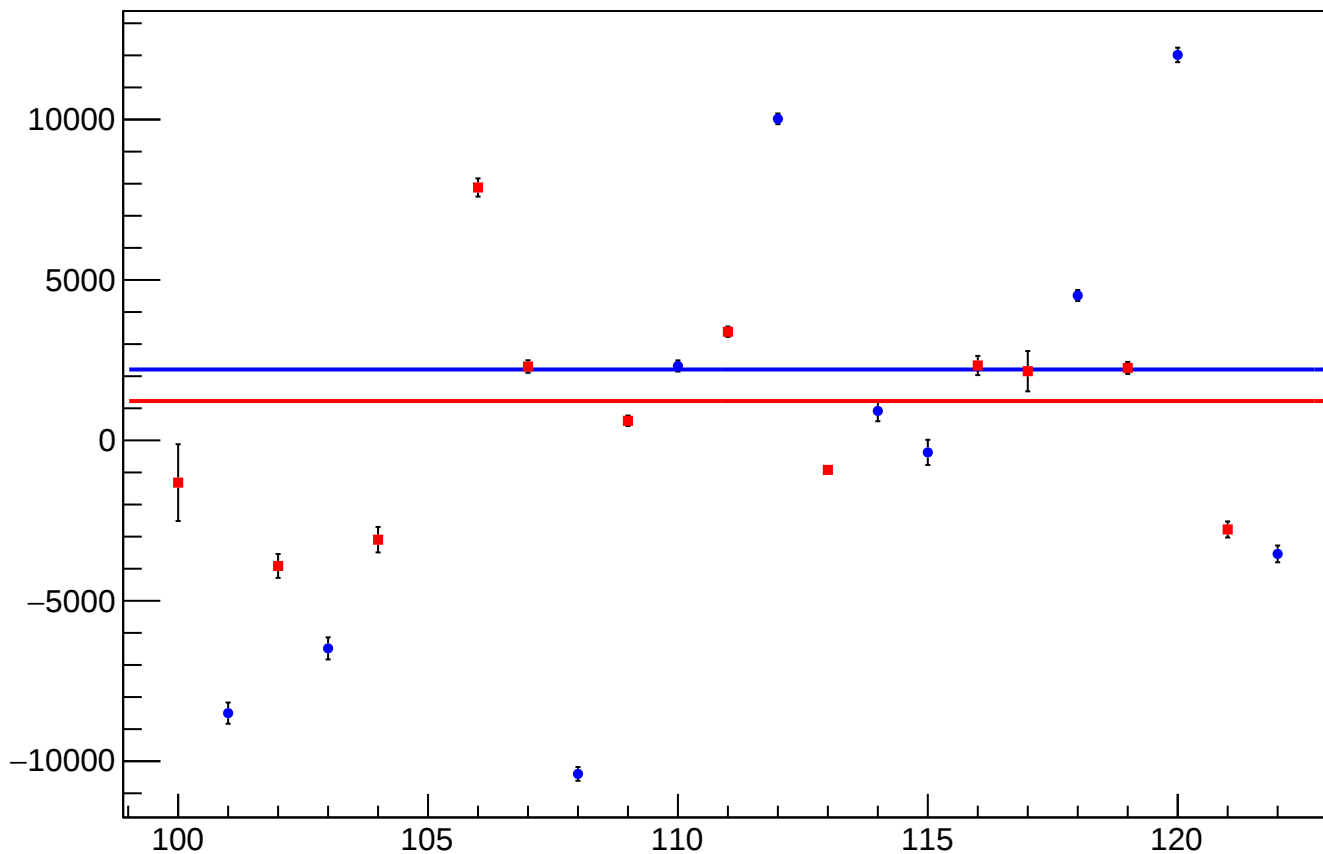
96.106+/-0.038  $\chi^2/\text{NDF}$ : 813983.9/9

Right Out: 94.688+/-0.035  $\chi^2/\text{NDF}$ : 850422.9/11

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

94.688+/-0.035  $\chi^2/\text{NDF}$ : 850422.9/11

# asym\_bpm1i06WS\_mean vs Slug



Right In: 2209.505+/-71.931  $\chi^2/\text{NDF}$ : 9933.2/9

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

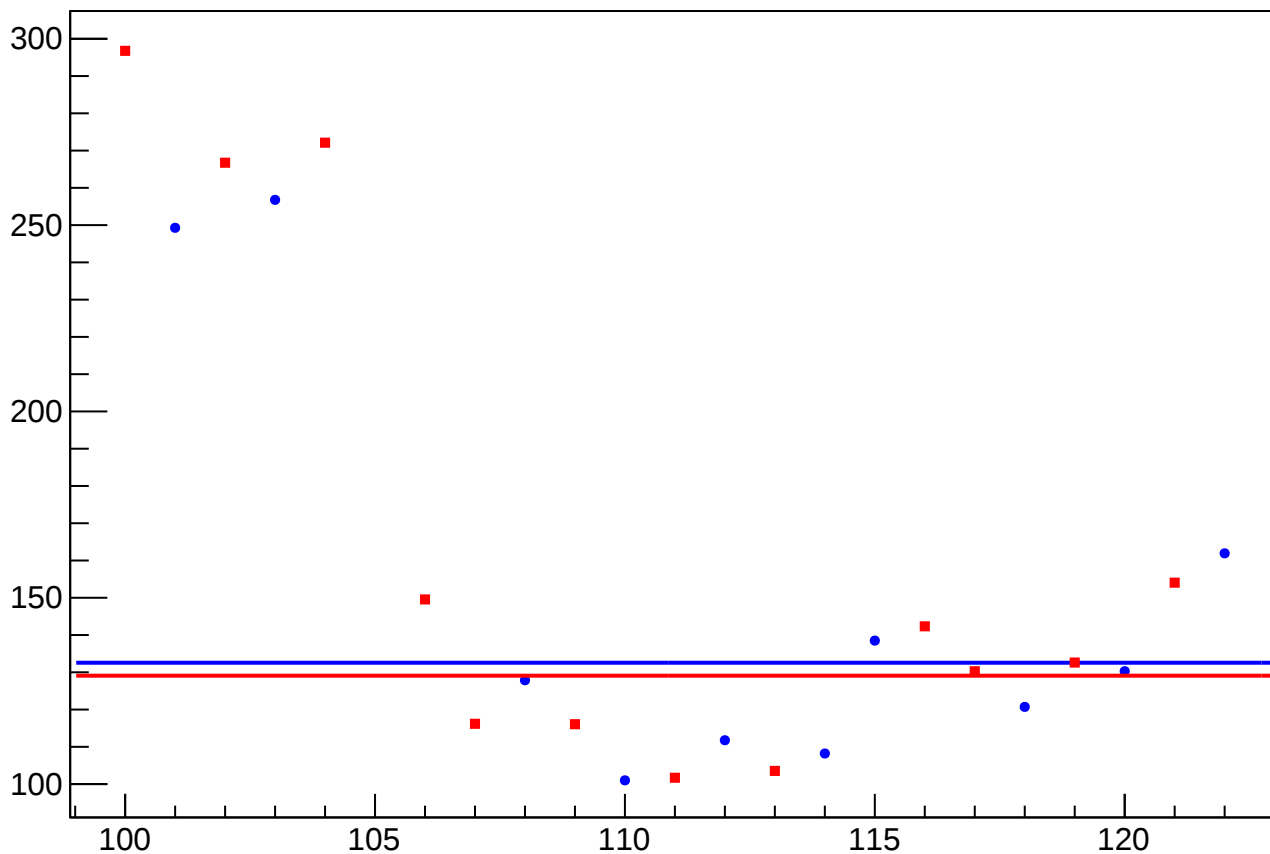
Right Out: 1225.475+/-66.226  $\chi^2/\text{NDF}$ : 1580.4/11

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

2209.505+/-71.931  $\chi^2/\text{NDF}$ : 9933.2/9

1225.475+/-66.226  $\chi^2/\text{NDF}$ : 1580.4/11

# asym\_bpm1i06WS\_rms vs Slug



Right In: 132.567 $\pm$ 0.051  $\chi^2$ /NDF: 655325.9/9

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

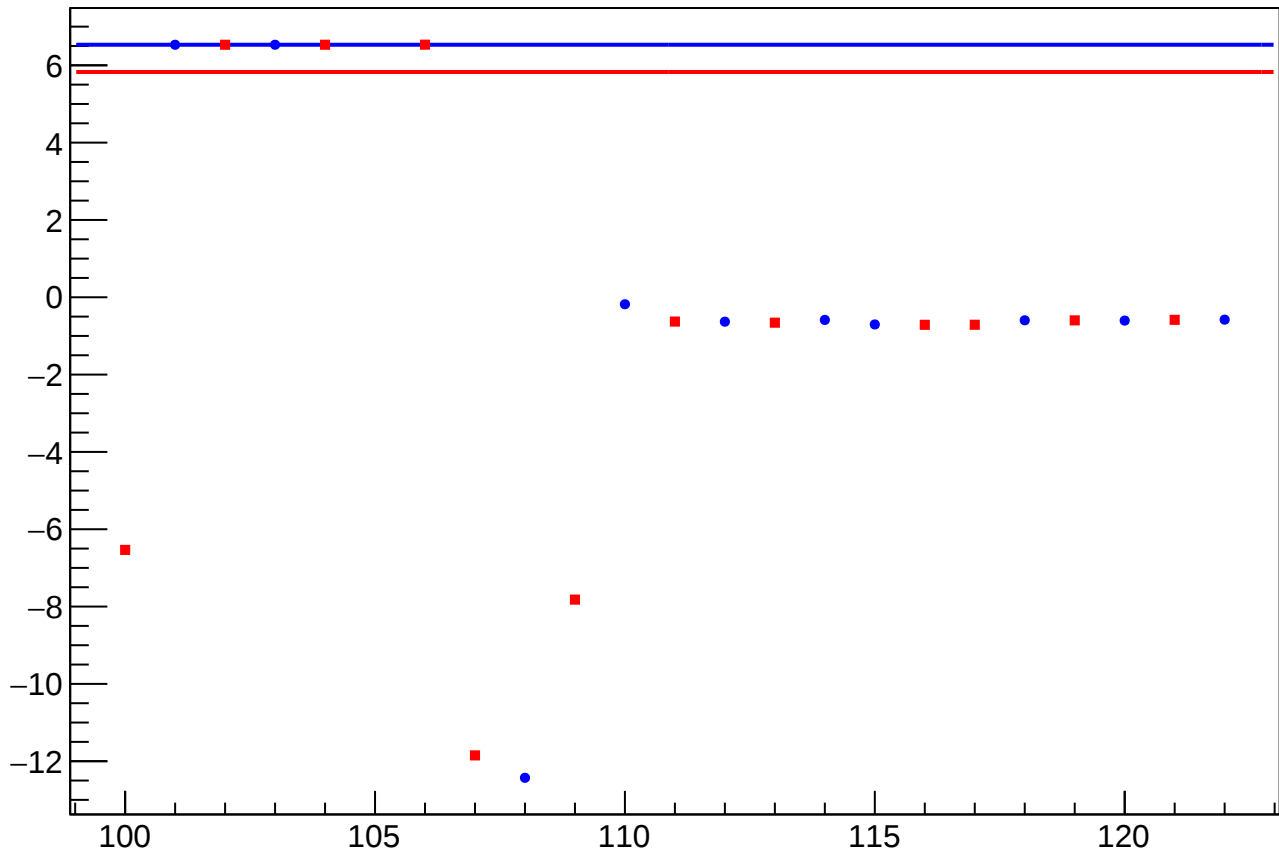
Right Out: 129.087 $\pm$ 0.047  $\chi^2$ /NDF: 740355.1/11

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

132.567 $\pm$ 0.051  $\chi^2$ /NDF: 655325.9/9

129.087 $\pm$ 0.047  $\chi^2$ /NDF: 740355.1/11

# yield\_cav4bX\_mean vs Slug



Right In: 6.532+/-0.000  $\chi^2/\text{NDF}$ : 55029976678.1/9

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

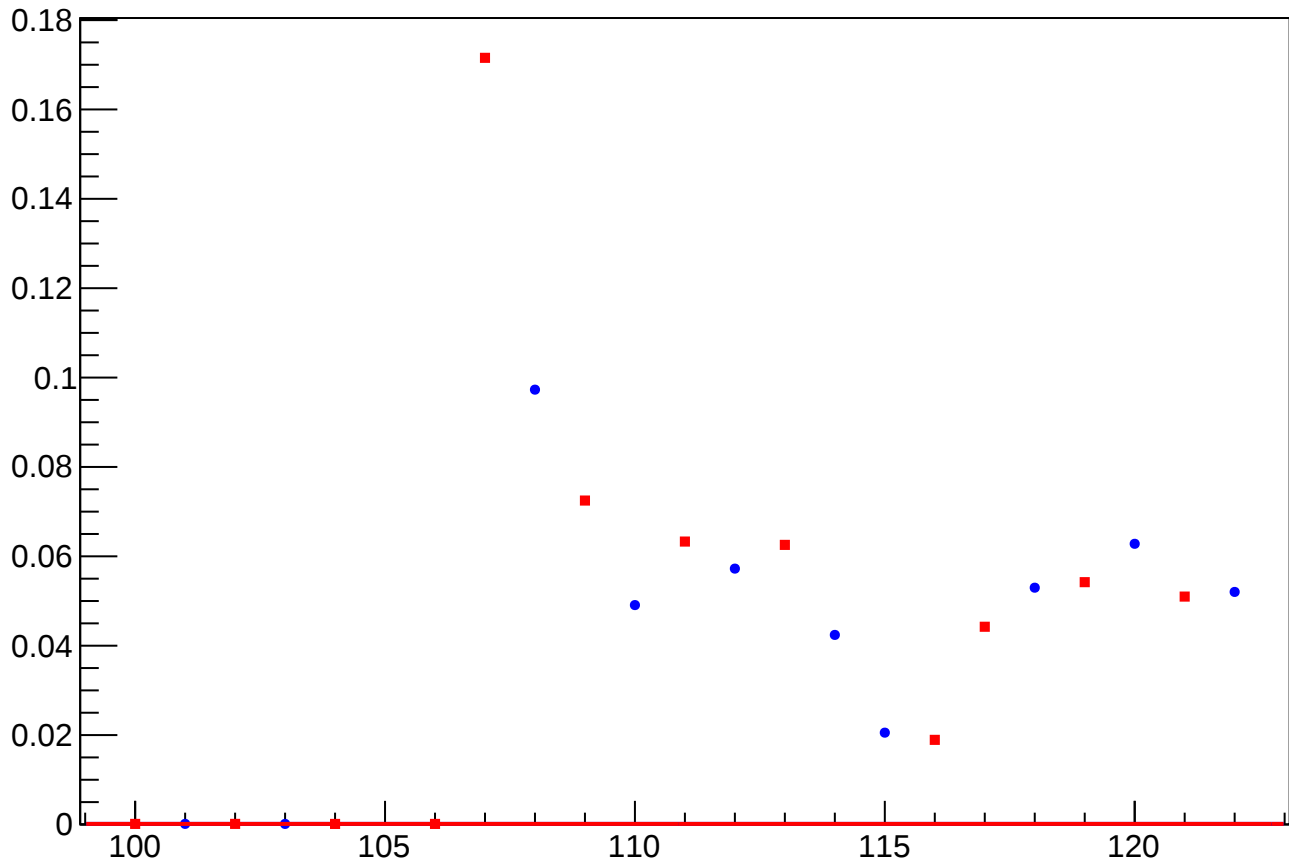
Right Out: 5.828+/-0.000  $\chi^2/\text{NDF}$ : 755897175036468.1/11

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

6.532+/-0.000  $\chi^2/\text{NDF}$ : 55029976678.1/9

5.828+/-0.000  $\chi^2/\text{NDF}$ : 755897175036468.1/11

# yield\_cav4bX\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4518174.1/9

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

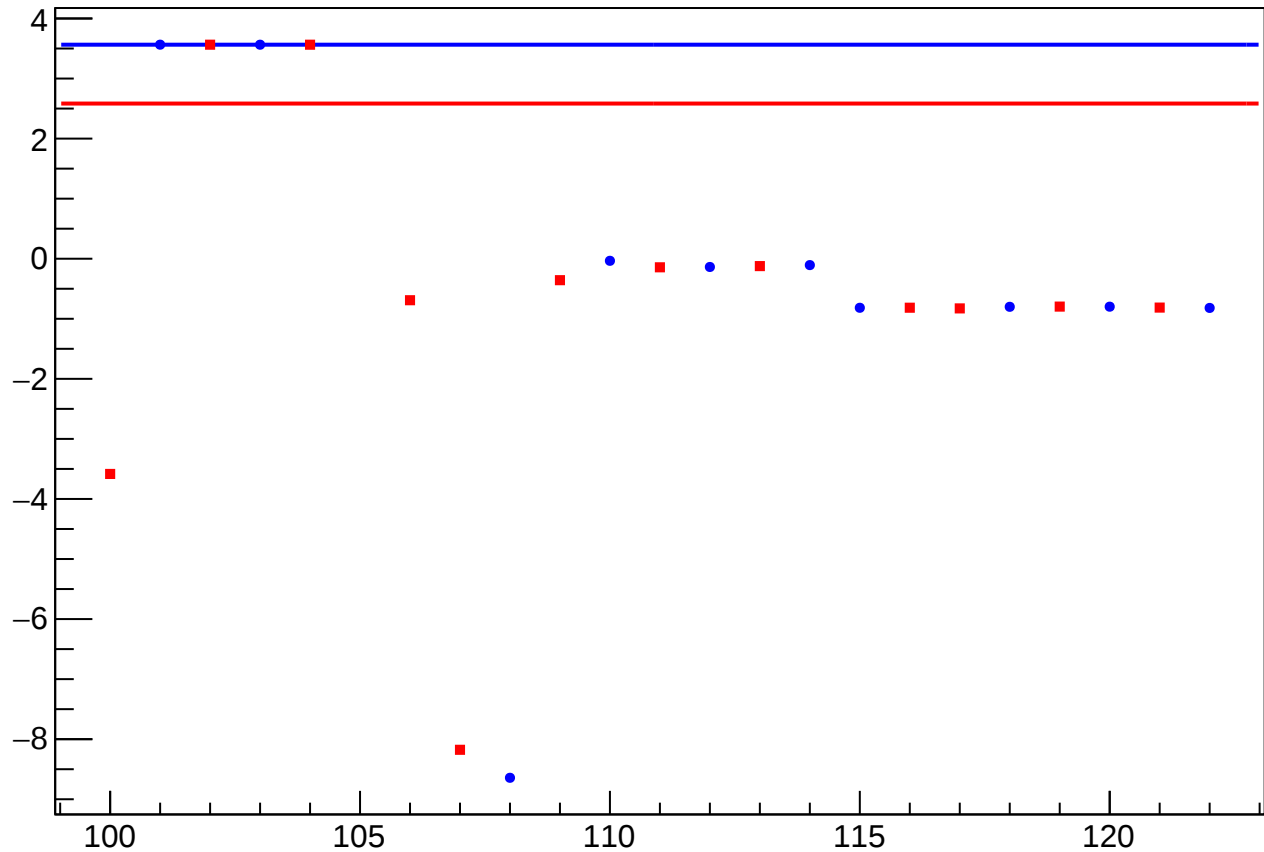
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4801553.3/11

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

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4518174.1/9

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4801553.3/11

# yield\_cav4bY\_mean vs Slug



Right In: 3.564+/-0.000  $\chi^2/\text{NDF}$ : 101867991576.8/9

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

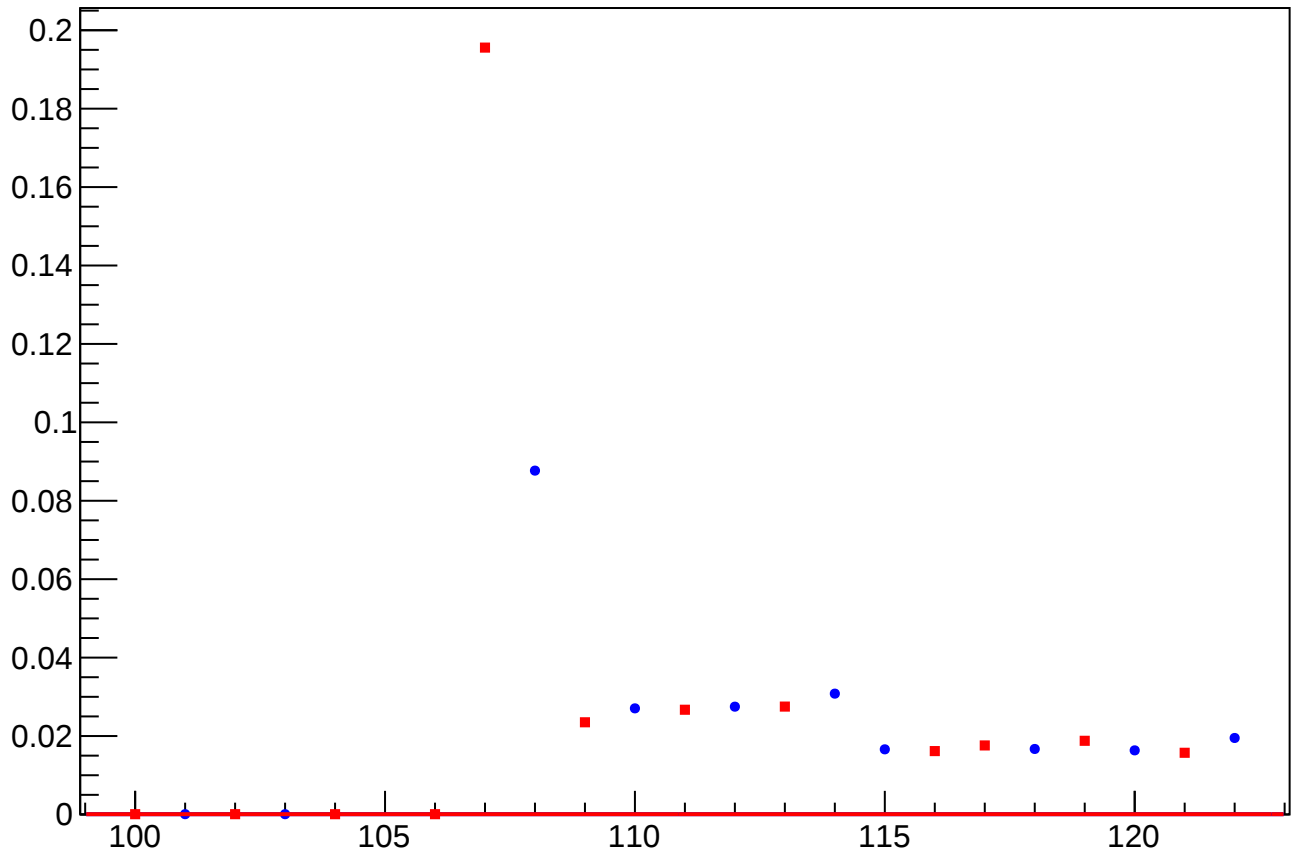
Right Out: 2.584+/-0.000  $\chi^2/\text{NDF}$ : 1253296130256236.5/11

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

3.564+/-0.000  $\chi^2/\text{NDF}$ : 101867991576.8/9

2.584+/-0.000  $\chi^2/\text{NDF}$ : 1253296130256236.5/11

yield\_cav4bY\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4814692.2/9

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

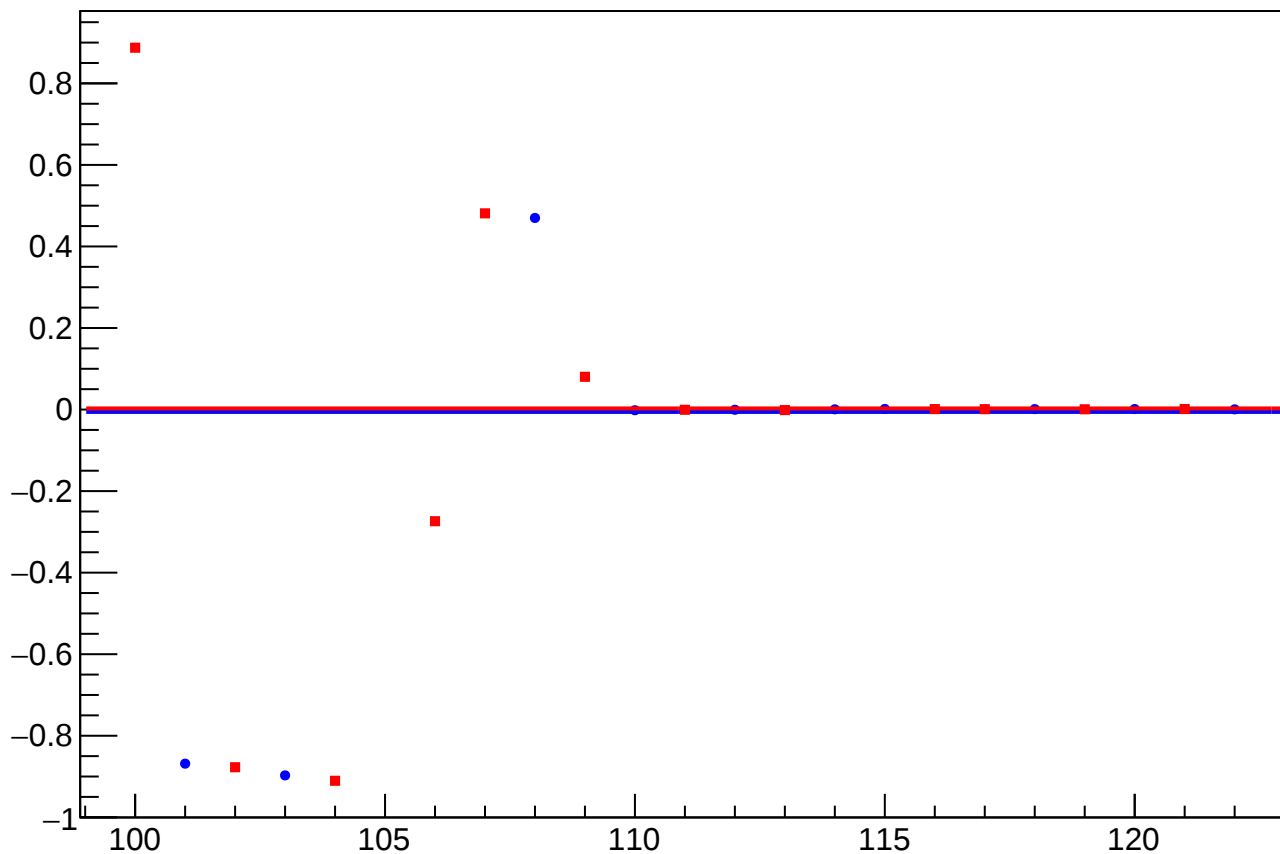
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4888763.9/11

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

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4814692.2/9

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4888763.9/11

# yield\_cav4cX\_mean vs Slug



Right In: -0.006+/-0.000  $\chi^2$ /NDF: 9779640716.6/9

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

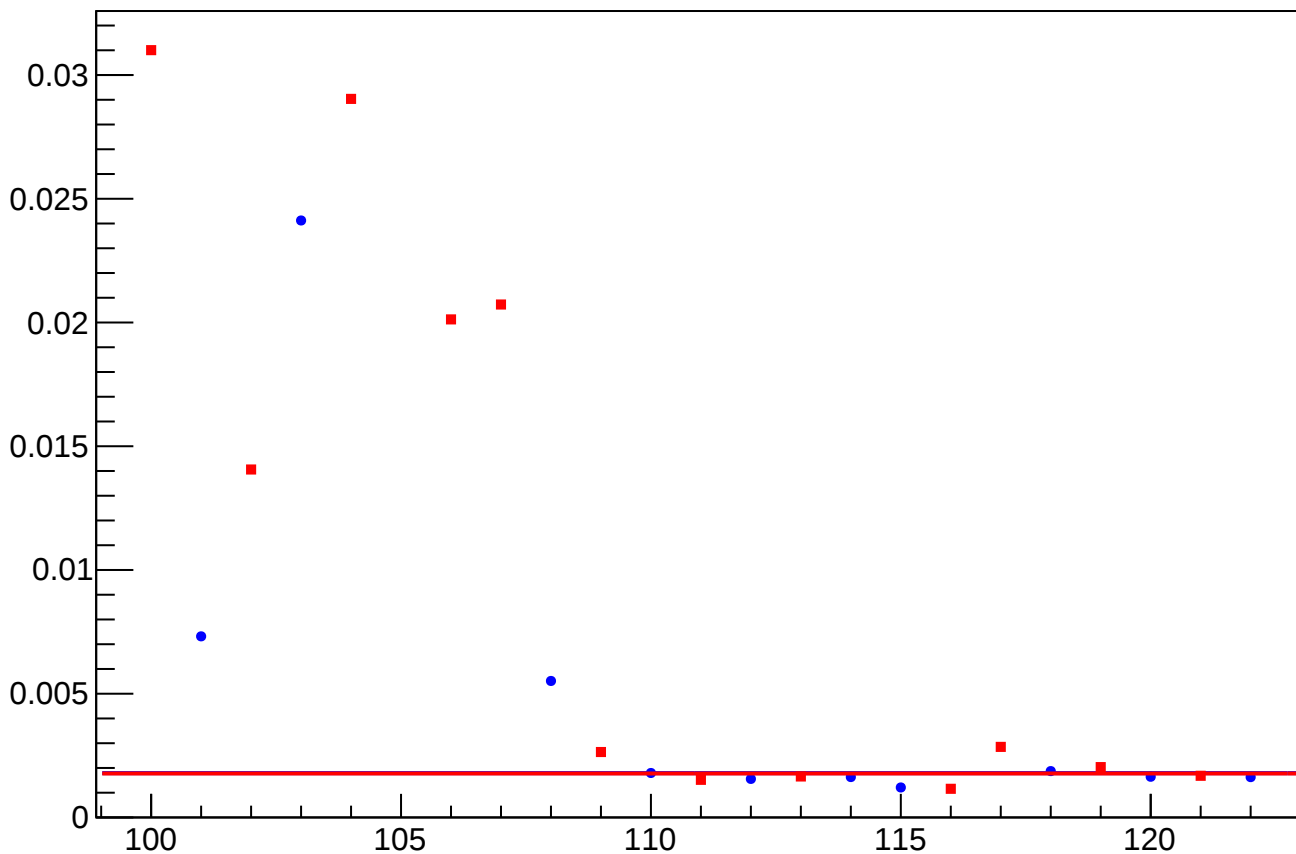
Right Out: 0.003+/-0.000  $\chi^2$ /NDF: 3038204108.3/11

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

-0.006+/-0.000  $\chi^2$ /NDF: 9779640716.6/9

0.003+/-0.000  $\chi^2$ /NDF: 3038204108.3/11

yield\_cav4cX\_rms vs Slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 1708366.7/9

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

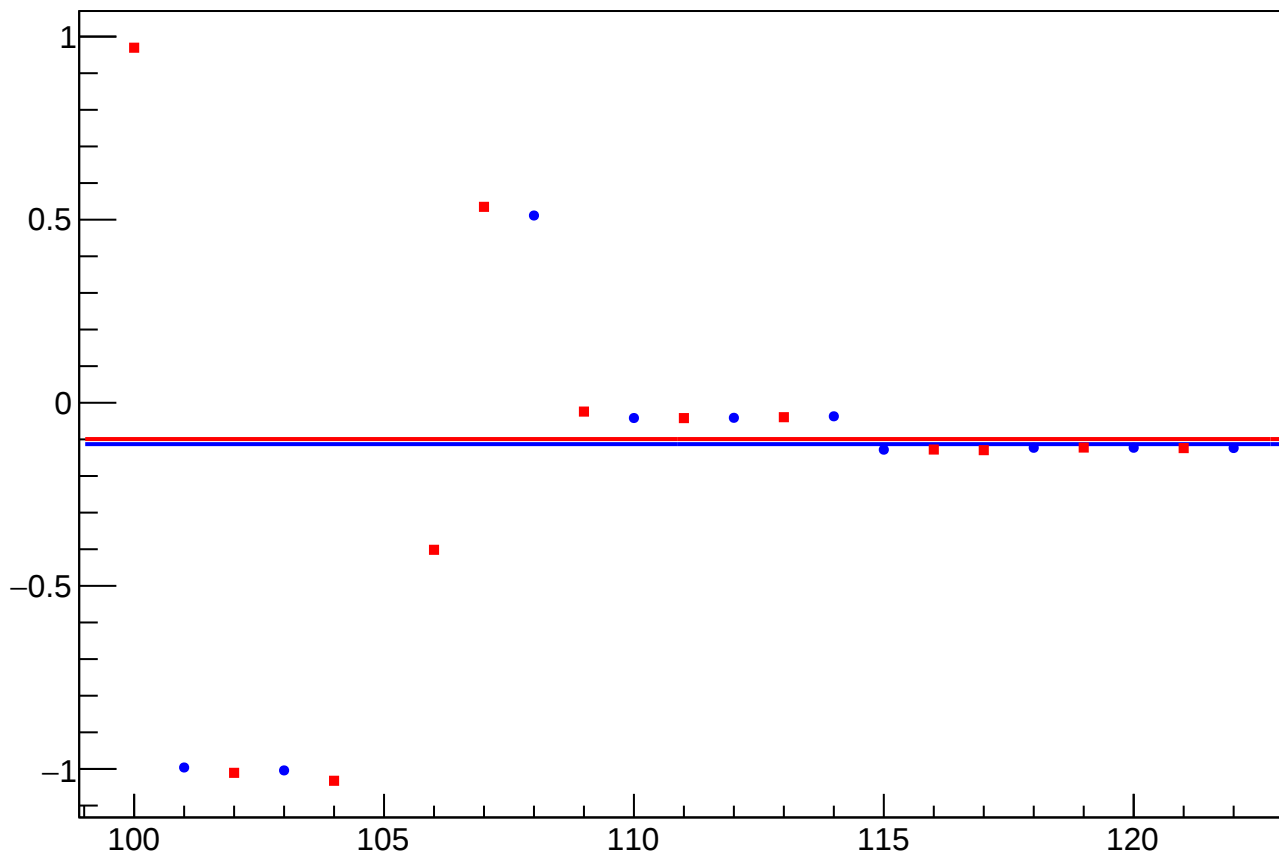
Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 2854401.9/11

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

0.002+/-0.000  $\chi^2/\text{NDF}$ : 1708366.7/9

0.002+/-0.000  $\chi^2/\text{NDF}$ : 2854401.9/11

yield\_cav4cY\_mean vs Slug



Right In: -0.113+/-0.000  $\chi^2/\text{NDF}$ : 3882825134.0/9

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

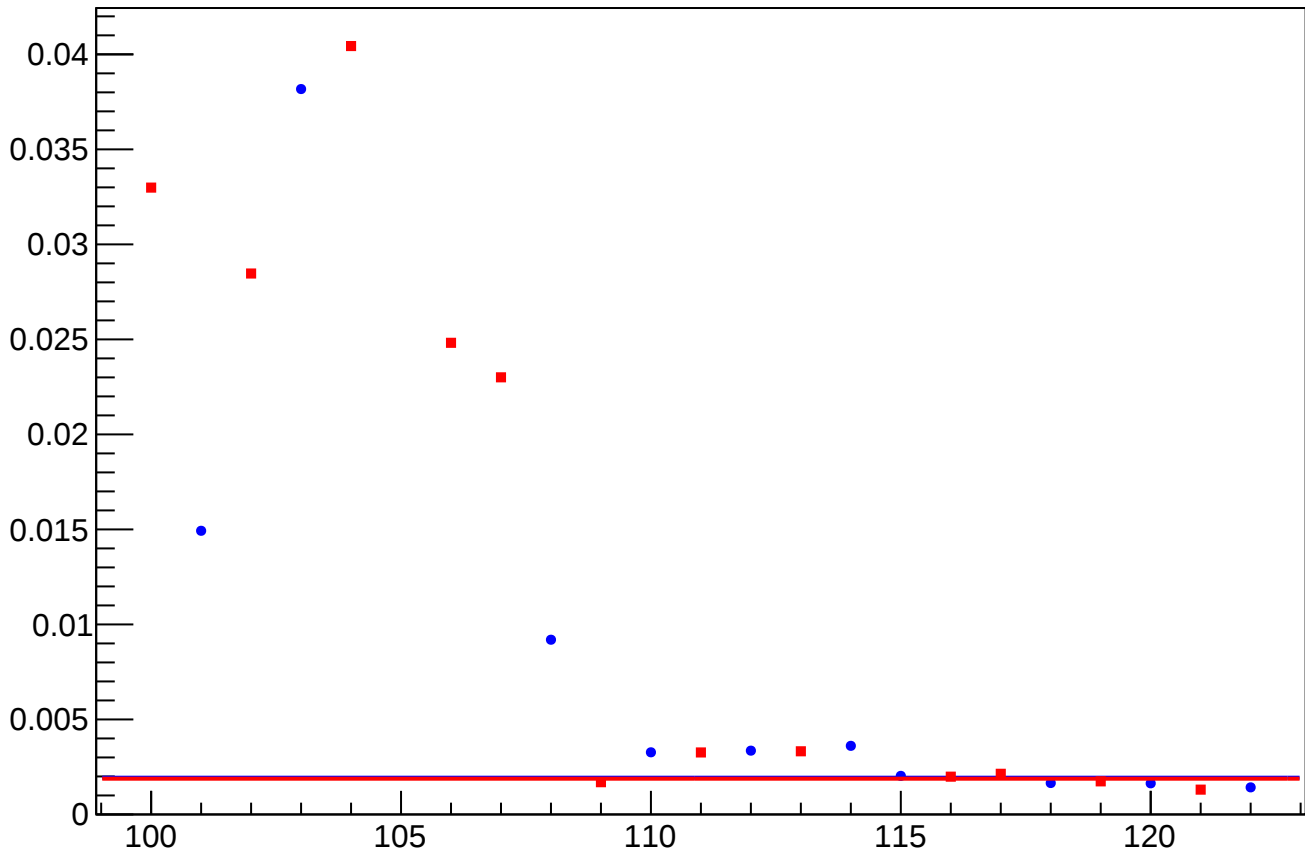
Right Out: -0.099+/-0.000  $\chi^2/\text{NDF}$ : 2202164695.5/11

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

-0.113+/-0.000  $\chi^2/\text{NDF}$ : 3882825134.0/9

-0.099+/-0.000  $\chi^2/\text{NDF}$ : 2202164695.5/11

# yield\_cav4cY\_rms vs Slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 2585773.8/9

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

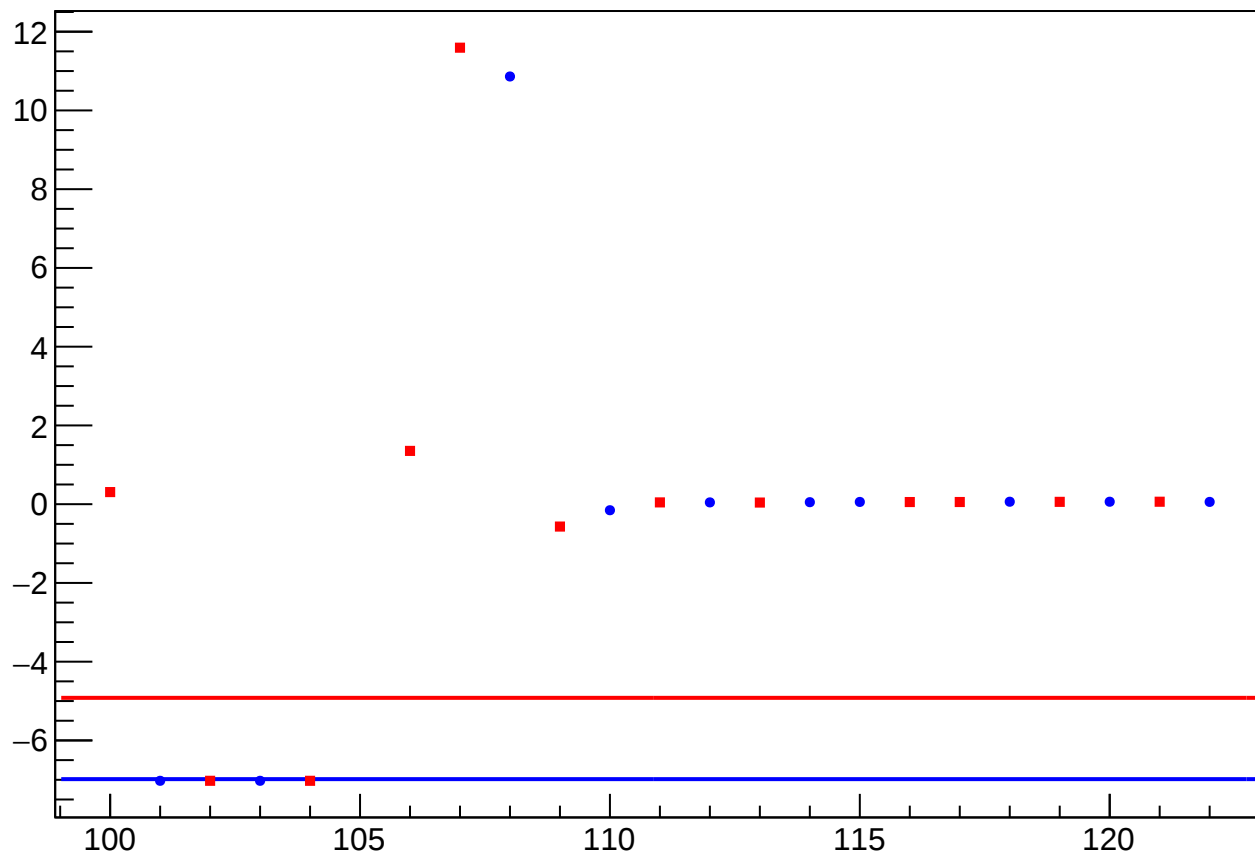
Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 3245863.9/11

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

0.002+/-0.000  $\chi^2/\text{NDF}$ : 2585773.8/9

0.002+/-0.000  $\chi^2/\text{NDF}$ : 3245863.9/11

# yield\_cav4dX\_mean vs Slug



Right In: -6.983+/-0.000  $\chi^2/\text{NDF}$ : 7320905089493.5/9

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

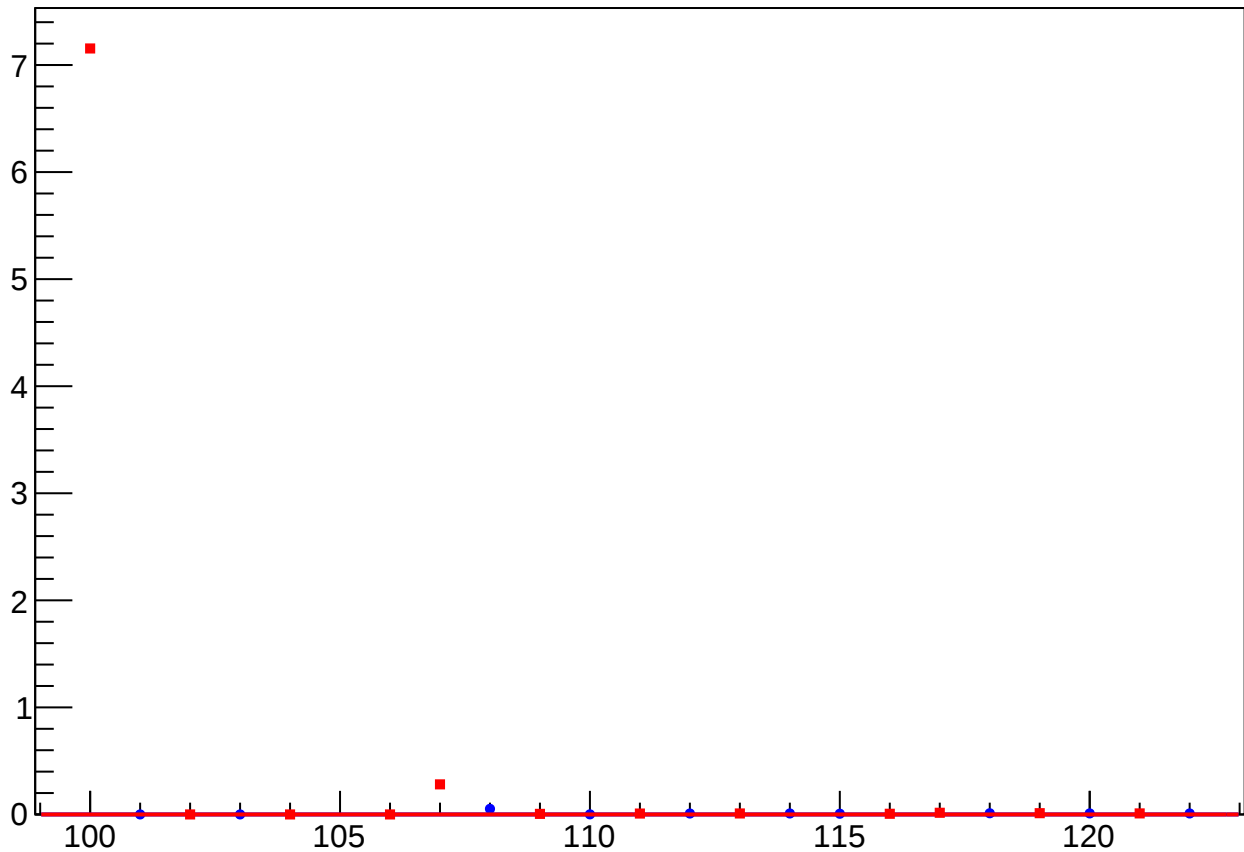
Right Out: -4.918+/-0.000  $\chi^2/\text{NDF}$ : 364735897427544.1/11

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

-6.983+/-0.000  $\chi^2/\text{NDF}$ : 7320905089493.5/9

-4.918+/-0.000  $\chi^2/\text{NDF}$ : 364735897427544.1/11

# yield\_cav4dX\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 3942516.4/9

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

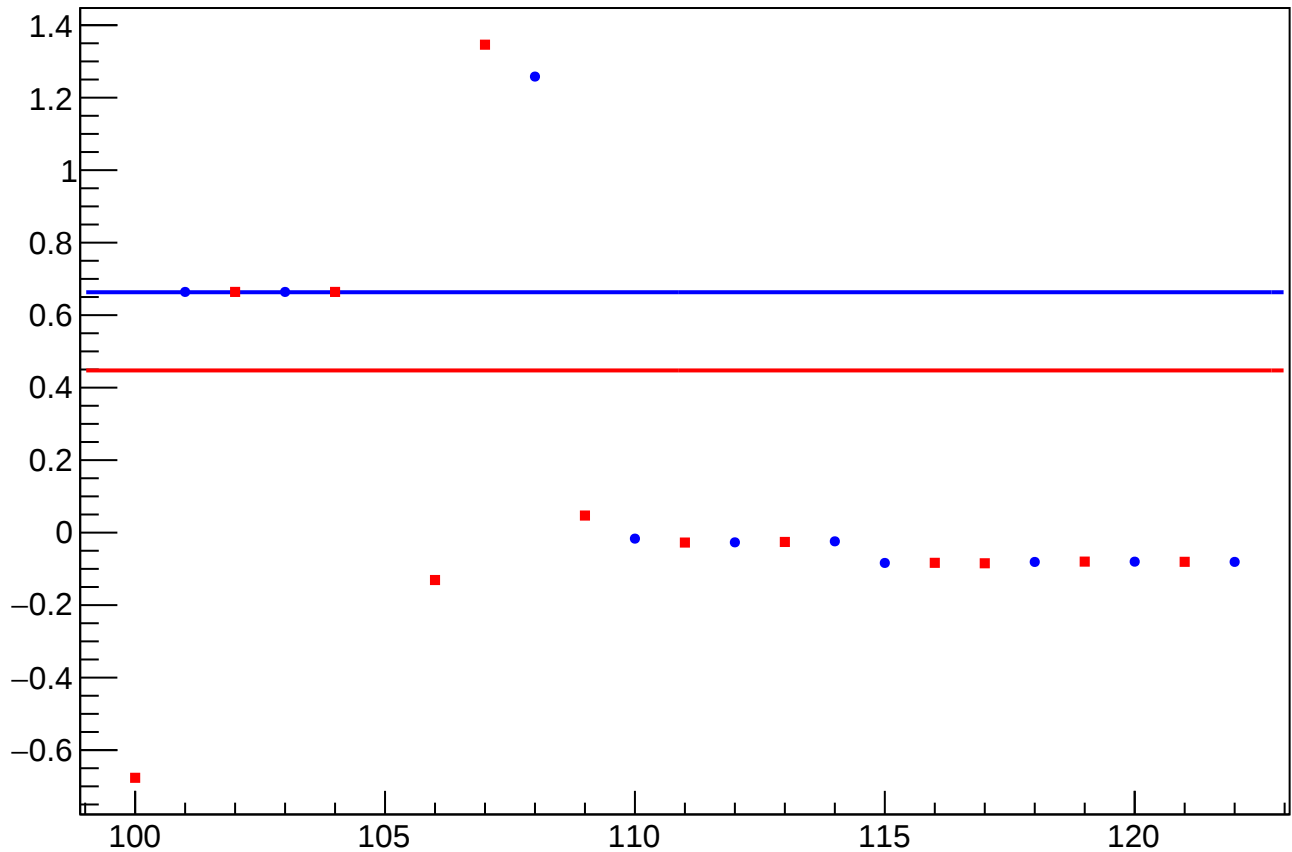
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4467912.1/11

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

0.000+/-0.000  $\chi^2/\text{NDF}$ : 3942516.4/9

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4467912.1/11

# yield\_cav4dY\_mean vs Slug



Right In: 0.663+/-0.000  $\chi^2/\text{NDF}$ : 1682880903105.5/9

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

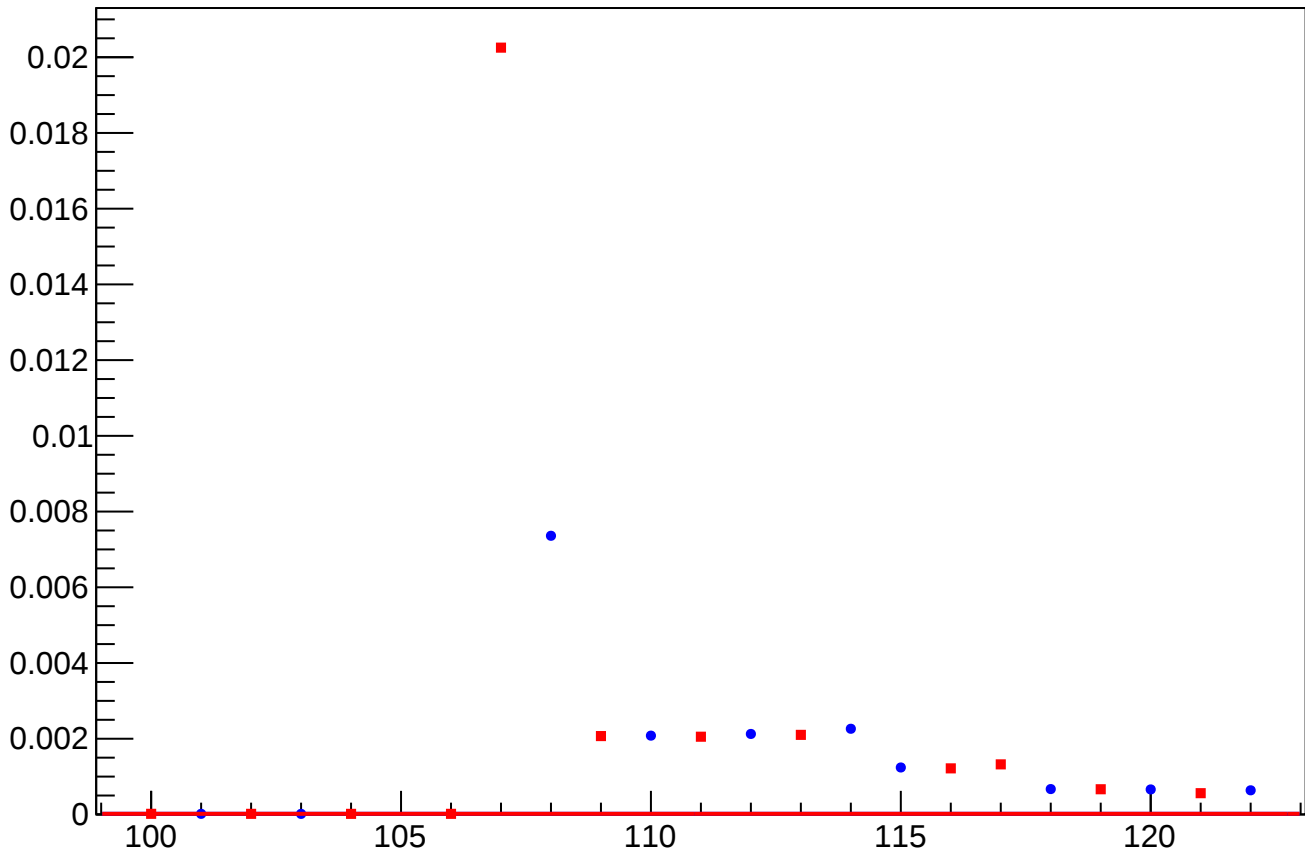
Right Out: 0.447+/-0.000  $\chi^2/\text{NDF}$ : 403612634408373.9/11

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

0.663+/-0.000  $\chi^2/\text{NDF}$ : 1682880903105.5/9

0.447+/-0.000  $\chi^2/\text{NDF}$ : 403612634408373.9/11

# yield\_cav4dY\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4890660.8/9

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

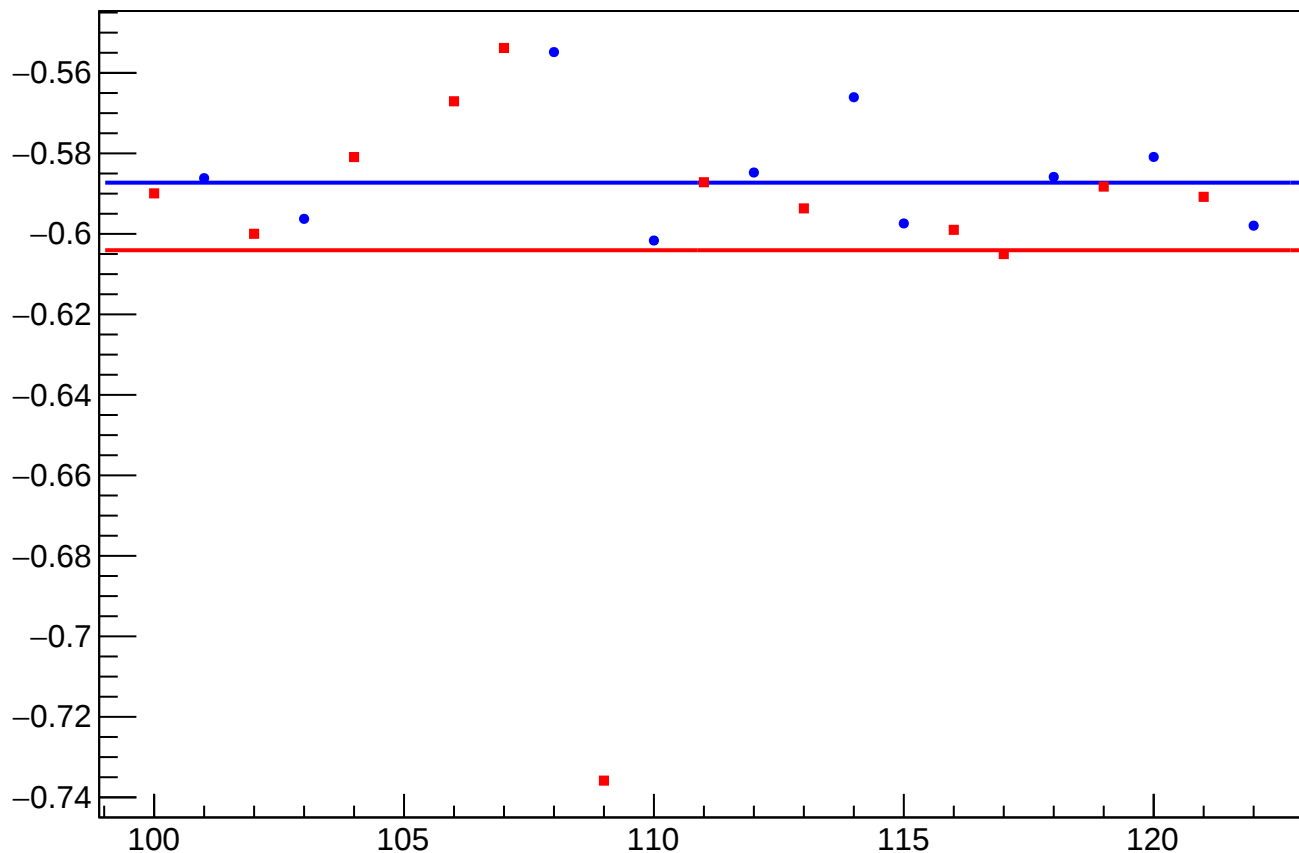
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 4570715.5/11

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

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4890660.8/9

0.000+/-0.000  $\chi^2/\text{NDF}$ : 4570715.5/11

# yield\_bpm4aX\_mean vs Slug



Right In: -0.587+/-0.000  $\chi^2/\text{NDF}$ : 593788.5/9

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

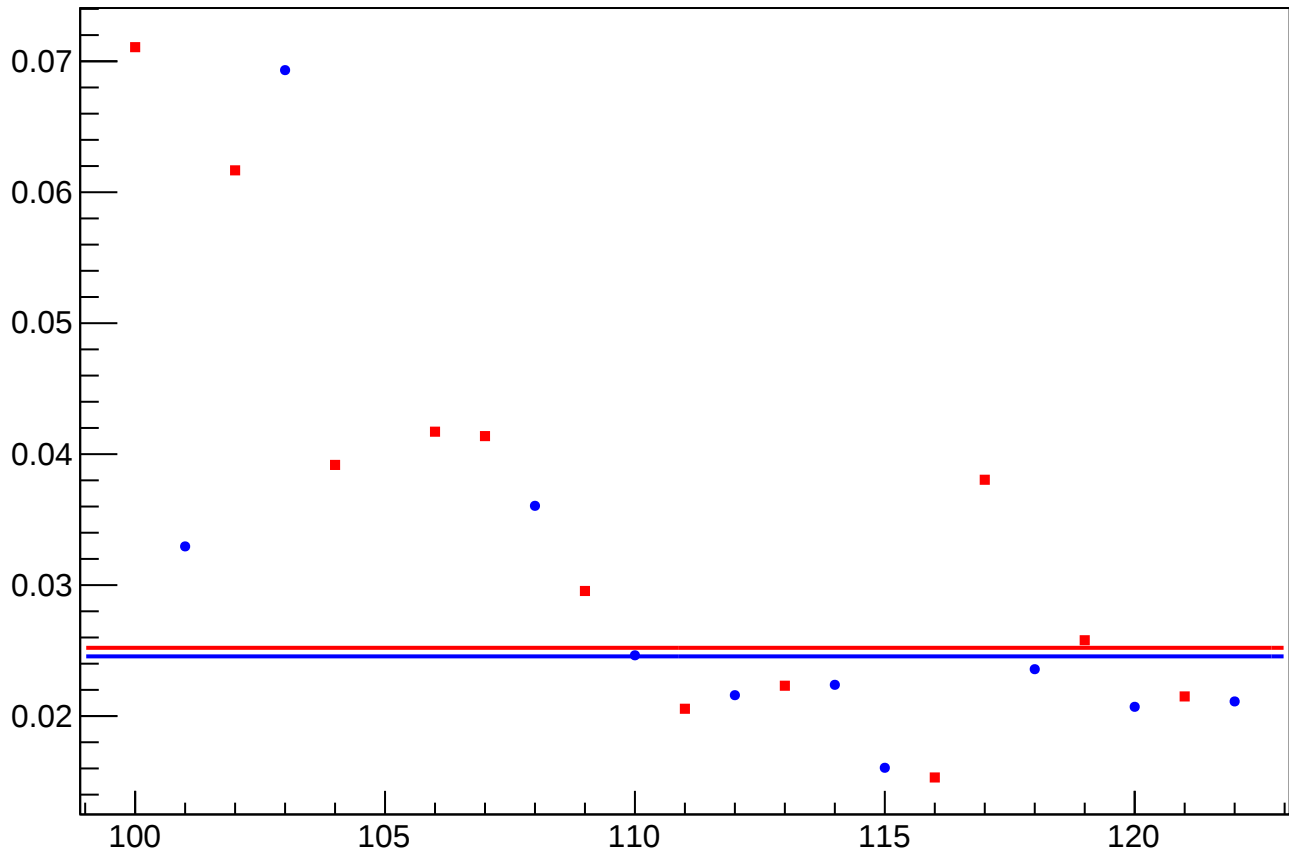
Right Out: -0.604+/-0.000  $\chi^2/\text{NDF}$ : 10123390.5/11

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

-0.587+/-0.000  $\chi^2/\text{NDF}$ : 593788.5/9

-0.604+/-0.000  $\chi^2/\text{NDF}$ : 10123390.5/11

# yield\_bpm4aX\_rms vs Slug



Right In: 0.025+/-0.000  $\chi^2/\text{NDF}$ : 701721.6/9

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

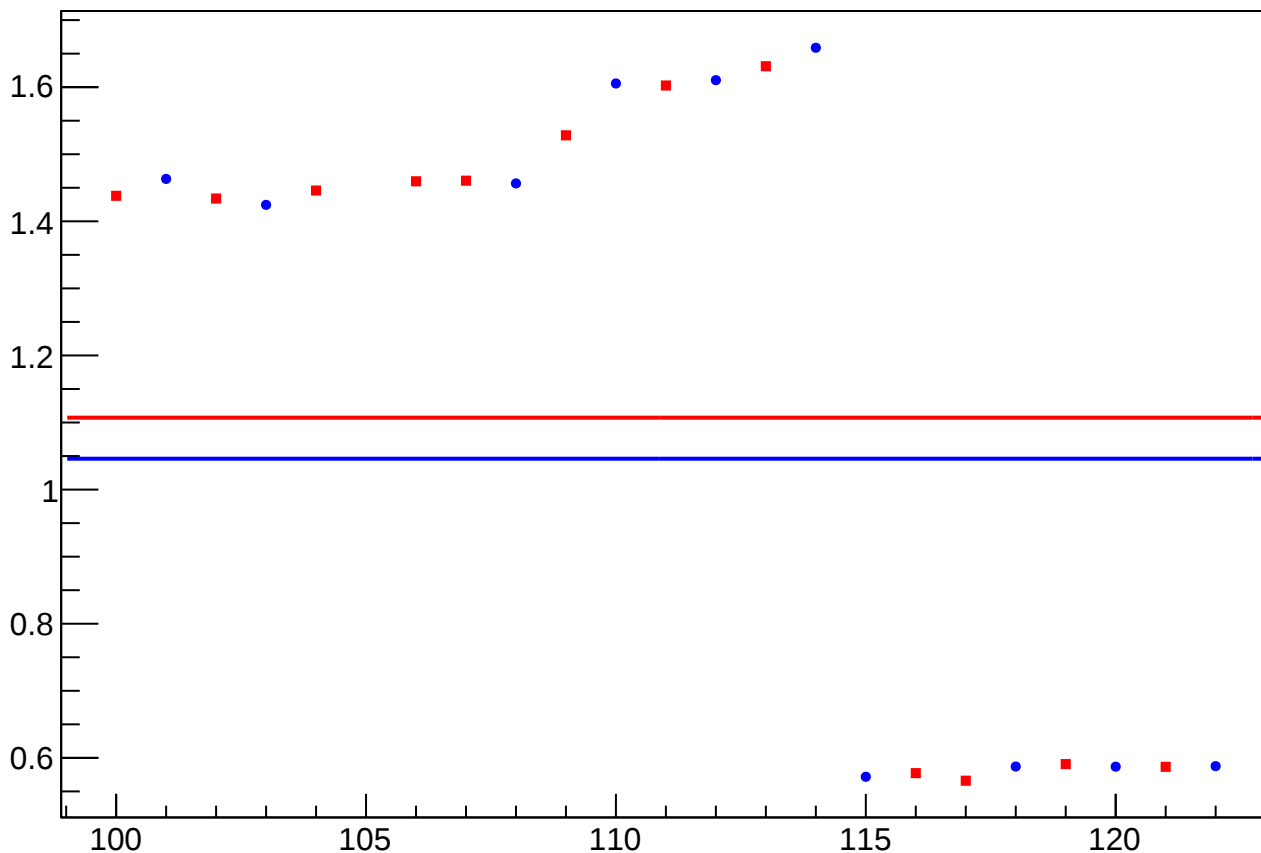
Right Out: 0.025+/-0.000  $\chi^2/\text{NDF}$ : 912743.9/11

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

0.025+/-0.000  $\chi^2/\text{NDF}$ : 701721.6/9

0.025+/-0.000  $\chi^2/\text{NDF}$ : 912743.9/11

# yield\_bpm4aY\_mean vs Slug



Right In: 1.046+/-0.000  $\chi^2/\text{NDF}$ : 2257293559.6/9

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

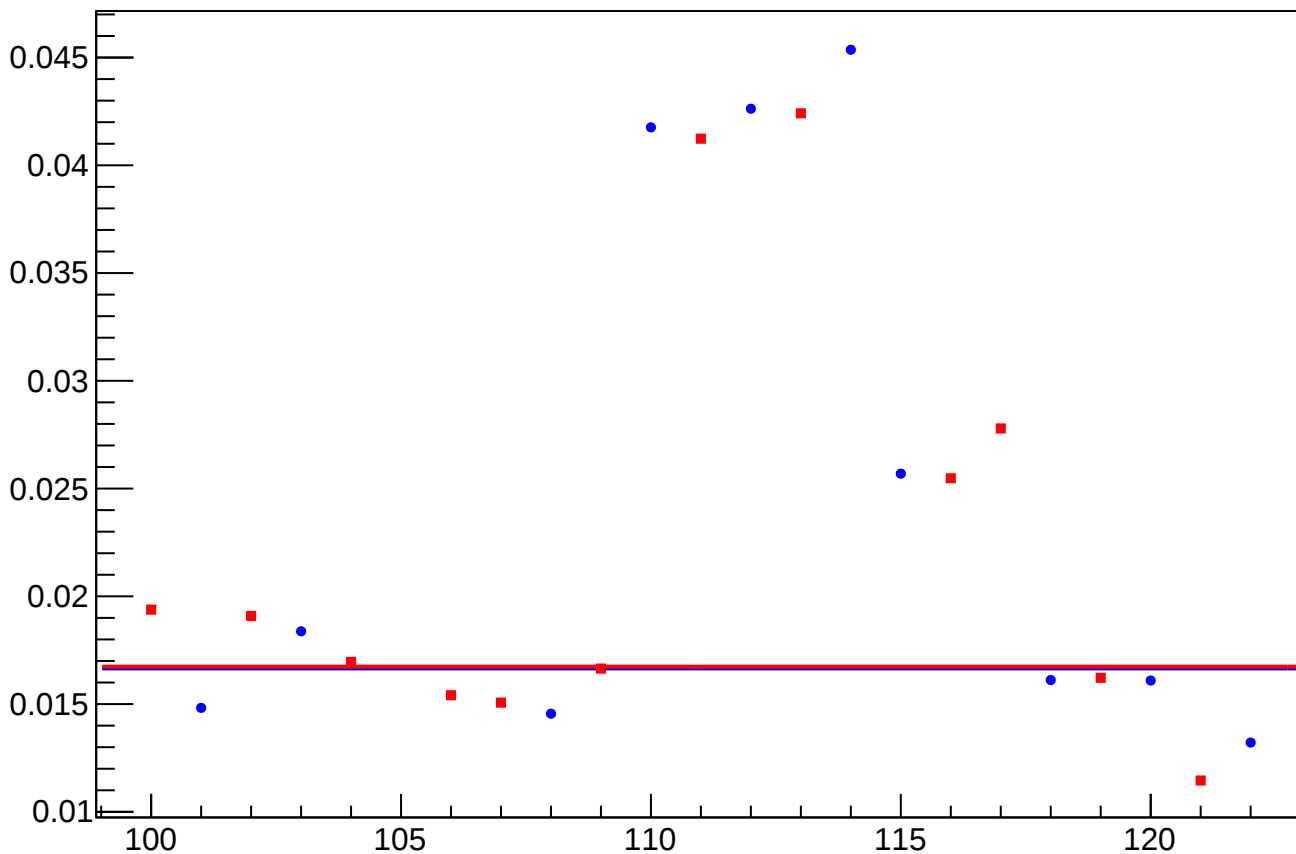
Right Out: 1.107+/-0.000  $\chi^2/\text{NDF}$ : 2424419775.5/11

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

1.046+/-0.000  $\chi^2/\text{NDF}$ : 2257293559.6/9

1.107+/-0.000  $\chi^2/\text{NDF}$ : 2424419775.5/11

# yield\_bpm4aY\_rms vs Slug



Right In: 0.017+/-0.000  $\chi^2/\text{NDF}$ : 775356.7/9

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

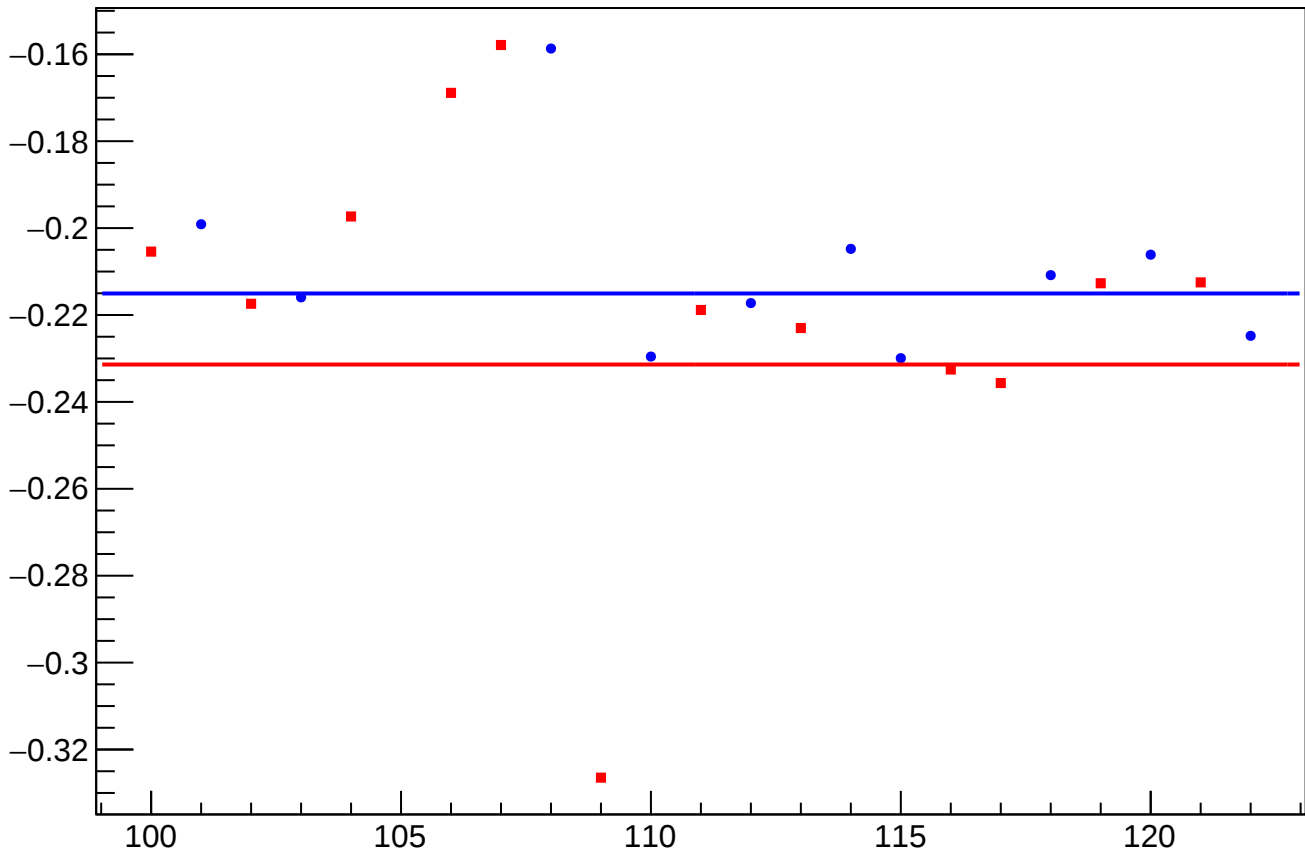
Right Out: 0.017+/-0.000  $\chi^2/\text{NDF}$ : 860997.2/11

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

0.017+/-0.000  $\chi^2/\text{NDF}$ : 775356.7/9

0.017+/-0.000  $\chi^2/\text{NDF}$ : 860997.2/11

# yield\_bpm4eX\_mean vs Slug



Right In: -0.215+/-0.000  $\chi^2/\text{NDF}$ : 1377315.7/9

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

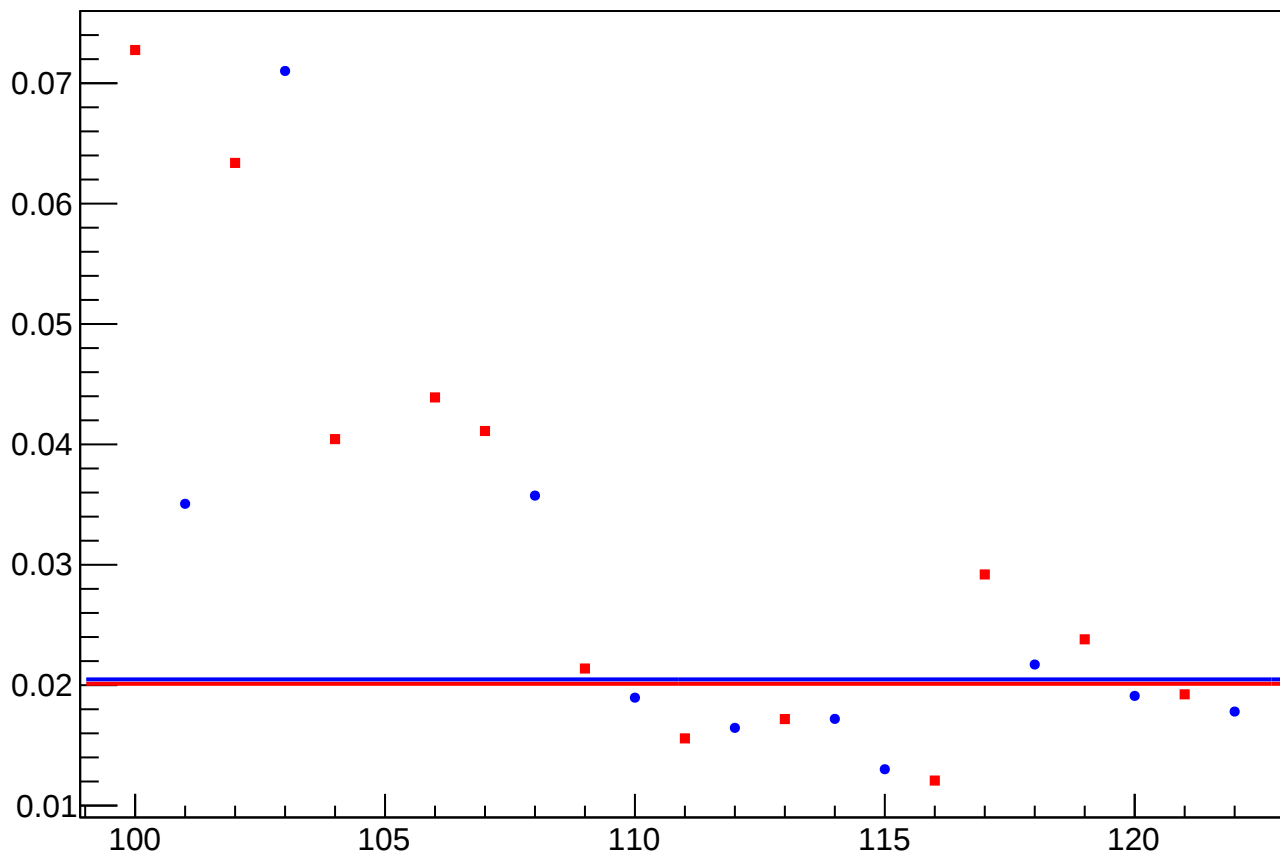
-0.215+/-0.000  $\chi^2/\text{NDF}$ : 1377315.7/9

Right Out: -0.231+/-0.000  $\chi^2/\text{NDF}$ : 11118502.2/11

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

-0.231+/-0.000  $\chi^2/\text{NDF}$ : 11118502.2/11

# yield\_bpm4eX\_rms vs Slug



Right In: 0.020+/-0.000  $\chi^2/\text{NDF}$ : 994662.3/9

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

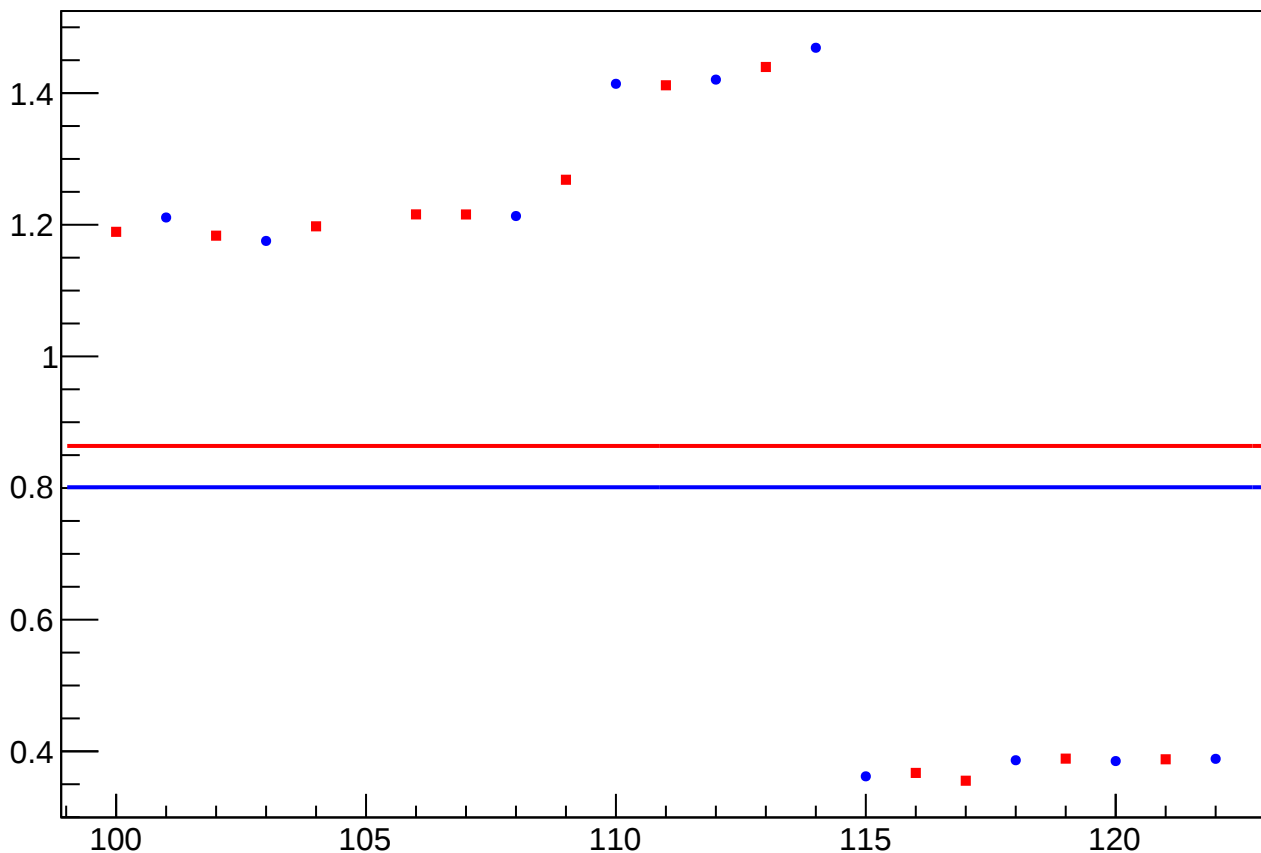
Right Out: 0.020+/-0.000  $\chi^2/\text{NDF}$ : 1298413.2/11

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

0.020+/-0.000  $\chi^2/\text{NDF}$ : 994662.3/9

0.020+/-0.000  $\chi^2/\text{NDF}$ : 1298413.2/11

# yield\_bpm4eY\_mean vs Slug



Right In: 0.801+/-0.000  $\chi^2/\text{NDF}$ : 3119540388.1/9

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

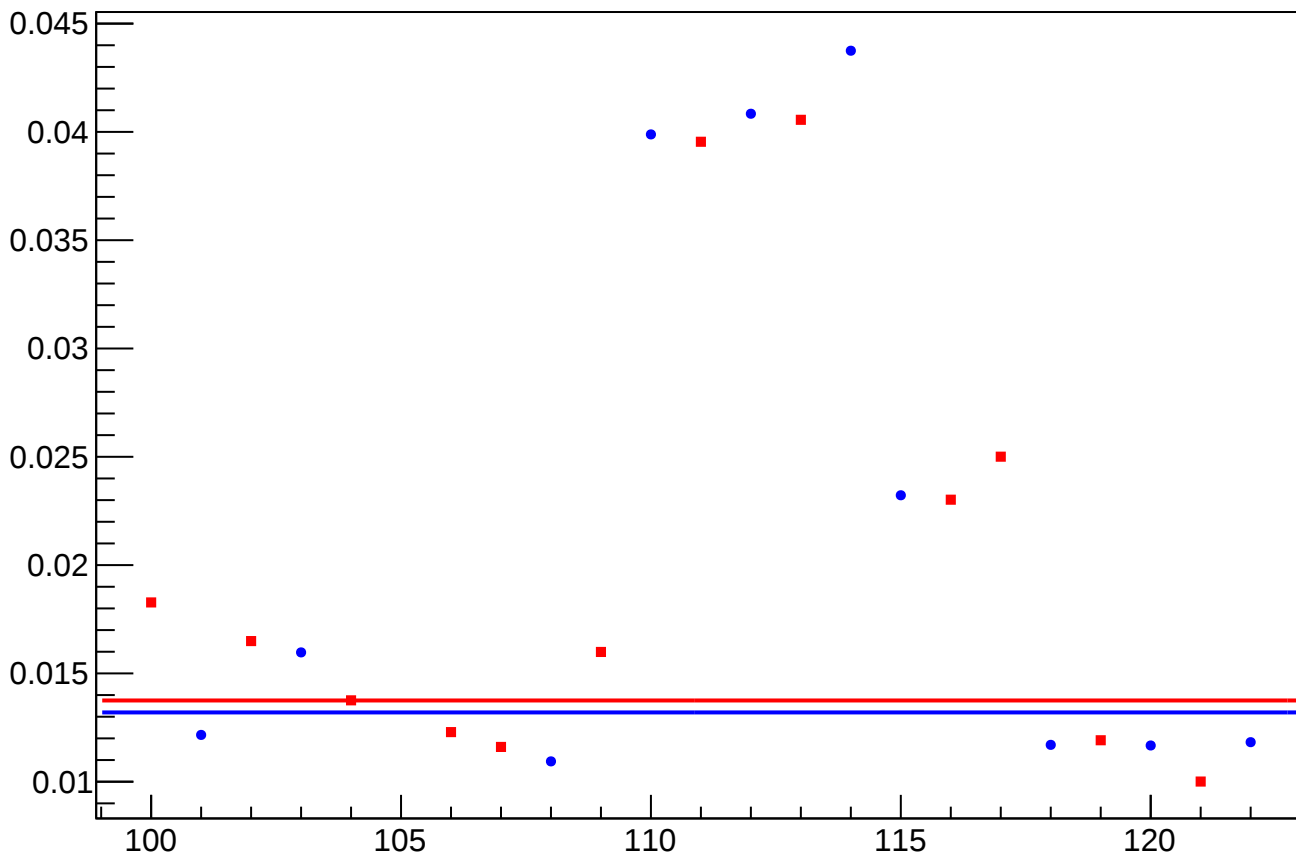
Right Out: 0.864+/-0.000  $\chi^2/\text{NDF}$ : 3130882705.8/11

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

0.801+/-0.000  $\chi^2/\text{NDF}$ : 3119540388.1/9

0.864+/-0.000  $\chi^2/\text{NDF}$ : 3130882705.8/11

# yield\_bpm4eY\_rms vs Slug



Right In: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 948941.6/9

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

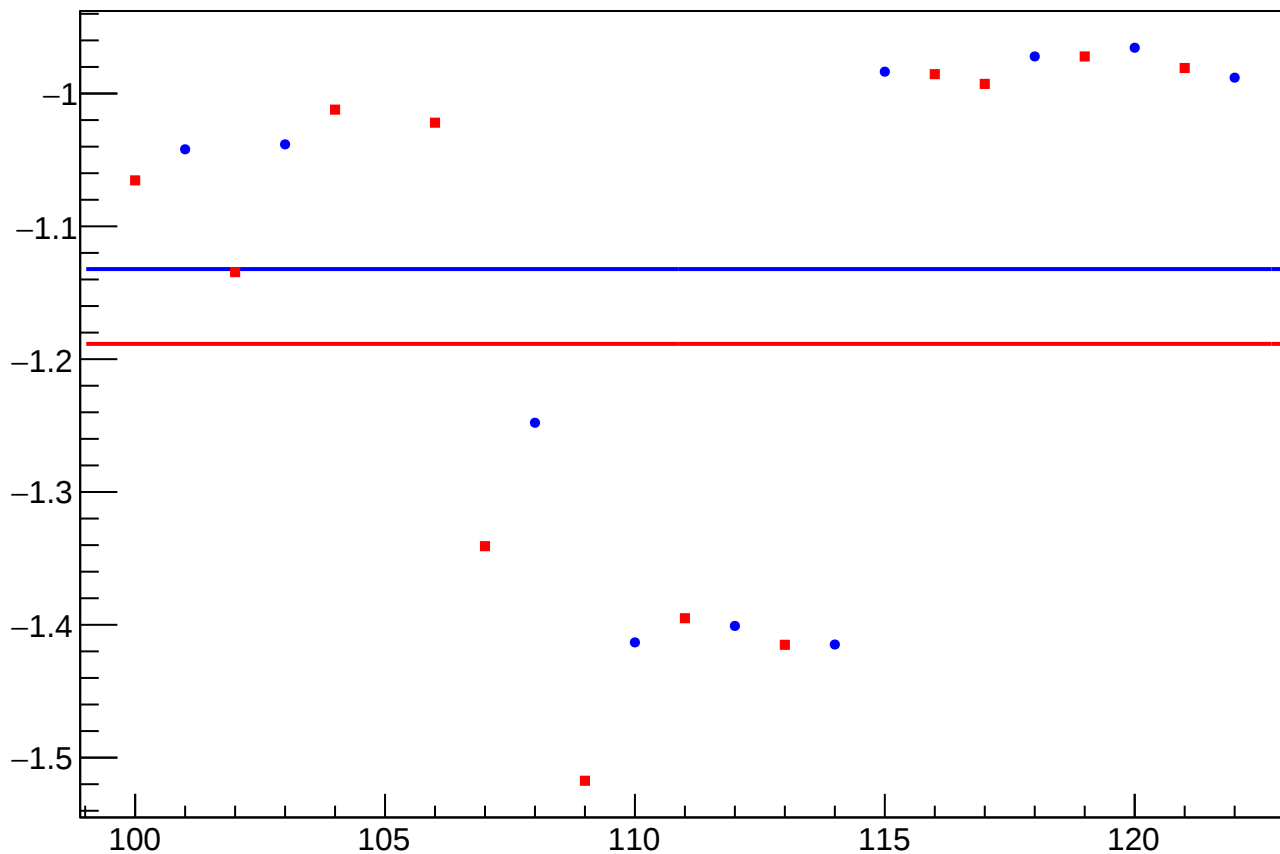
Right Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 1017467.6/11

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

0.013+/-0.000  $\chi^2/\text{NDF}$ : 948941.6/9

0.014+/-0.000  $\chi^2/\text{NDF}$ : 1017467.6/11

# yield\_bpm4acX\_mean vs Slug



Right In: -1.132+/-0.000  $\chi^2/\text{NDF}$ : 190376895.7/9

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

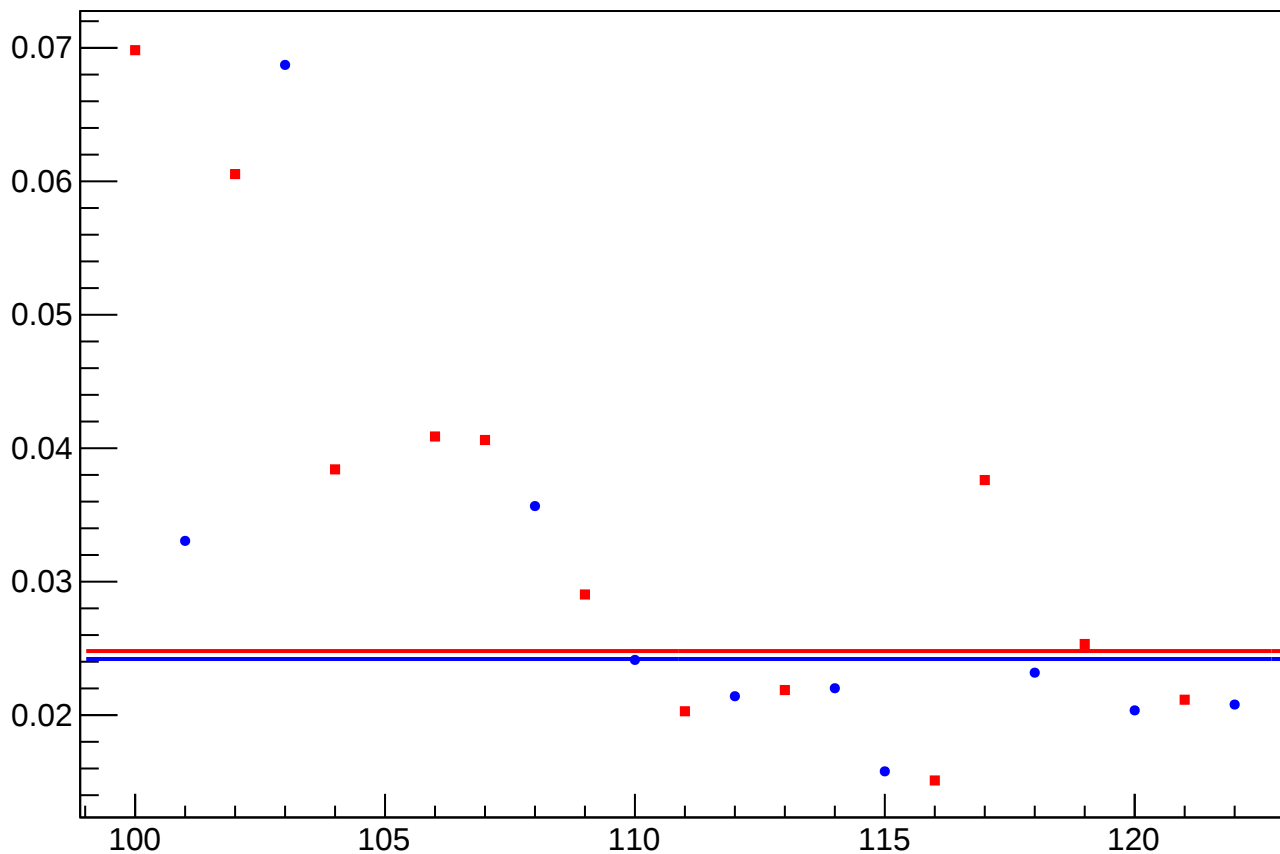
Right Out: -1.188+/-0.000  $\chi^2/\text{NDF}$ : 250147432.3/11

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

-1.132+/-0.000  $\chi^2/\text{NDF}$ : 190376895.7/9

-1.188+/-0.000  $\chi^2/\text{NDF}$ : 250147432.3/11

# yield\_bpm4acX\_rms vs Slug



Right In: 0.024+/-0.000  $\chi^2/\text{NDF}$ : 710959.7/9

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

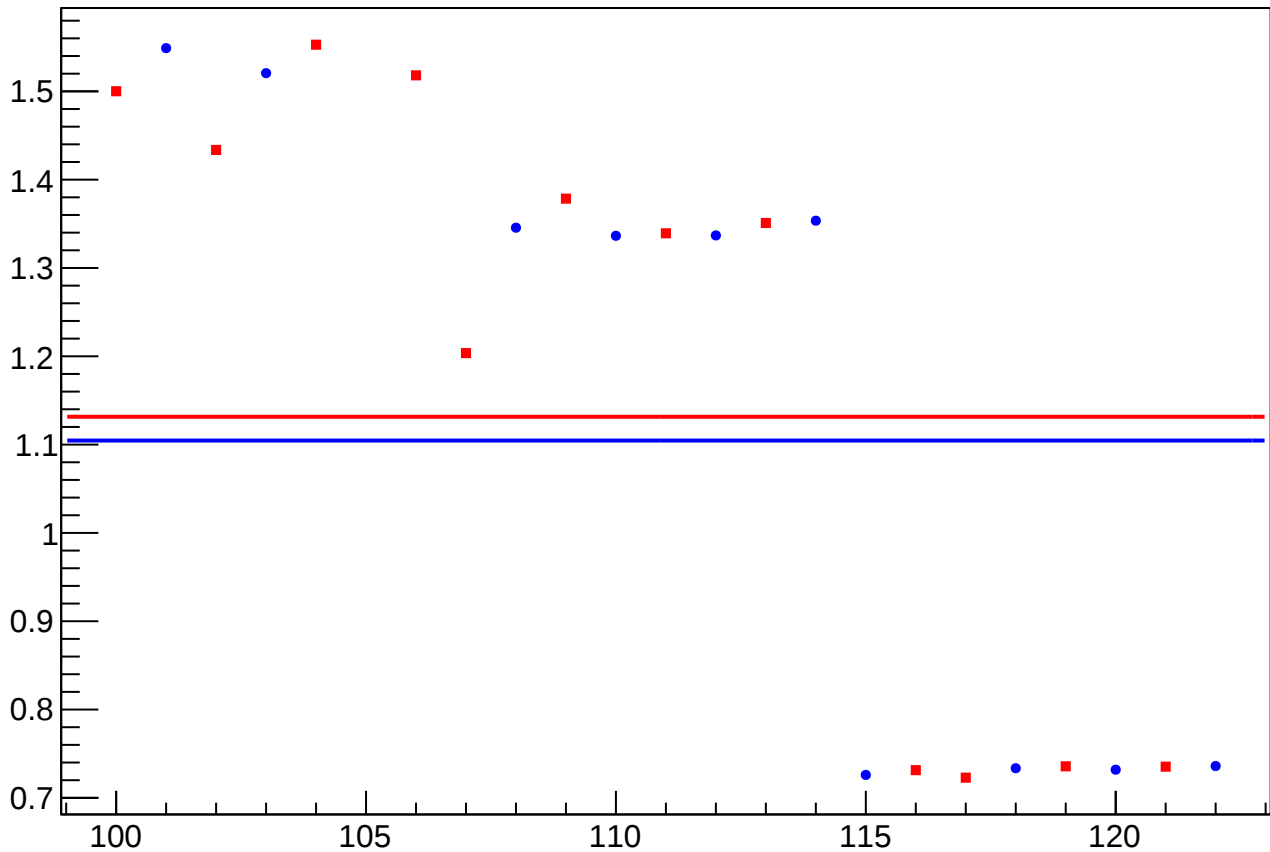
Right Out: 0.025+/-0.000  $\chi^2/\text{NDF}$ : 905918.3/11

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

0.024+/-0.000  $\chi^2/\text{NDF}$ : 710959.7/9

0.025+/-0.000  $\chi^2/\text{NDF}$ : 905918.3/11

# yield\_bpm4acY\_mean vs Slug



Right In: 1.105+/-0.000  $\chi^2/\text{NDF}$ : 1538974451.5/9

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

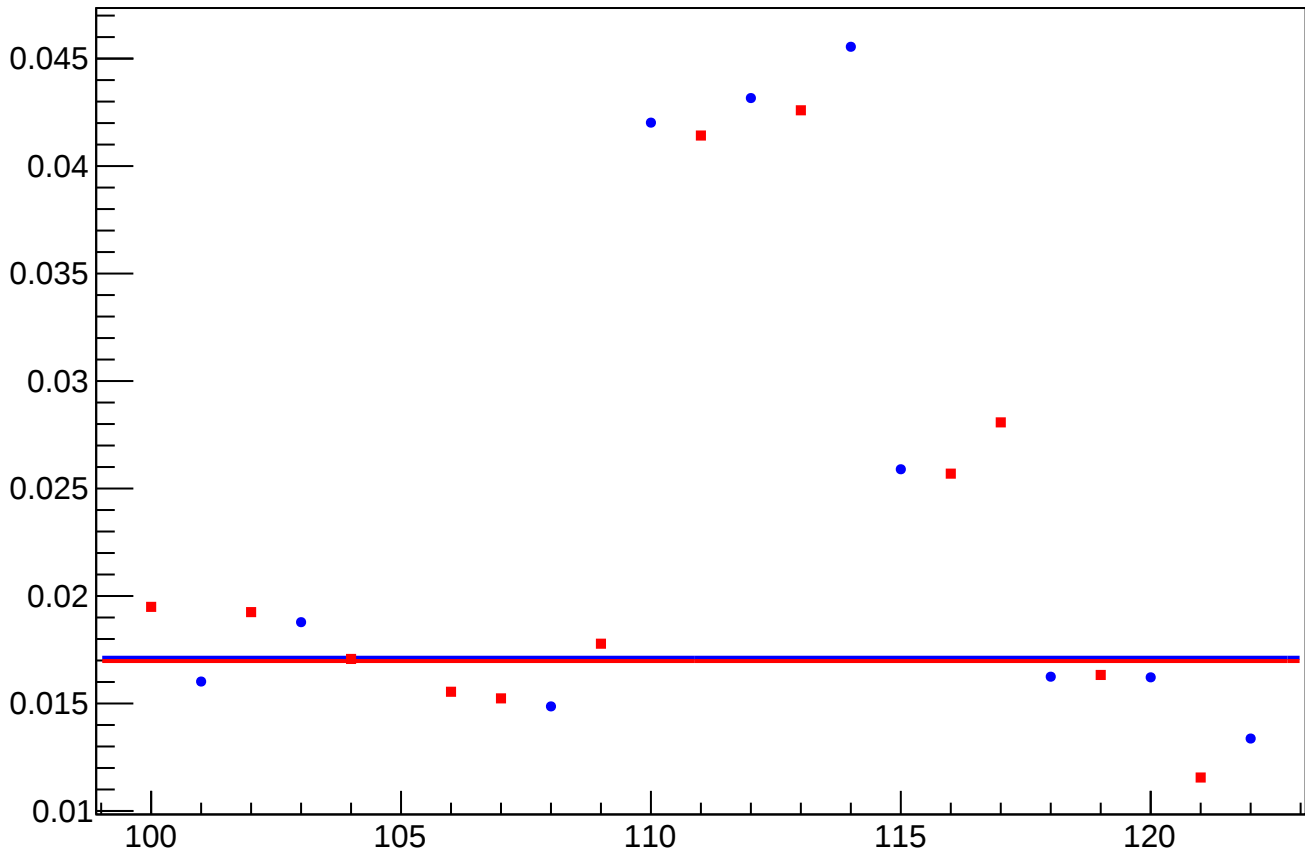
1.105+/-0.000  $\chi^2/\text{NDF}$ : 1538974451.5/9

Right Out: 1.132+/-0.000  $\chi^2/\text{NDF}$ : 1493603533.9/11

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

1.132+/-0.000  $\chi^2/\text{NDF}$ : 1493603533.9/11

# yield\_bpm4acY\_rms vs Slug



Right In: 0.017+/-0.000  $\chi^2/\text{NDF}$ : 758267.2/9

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

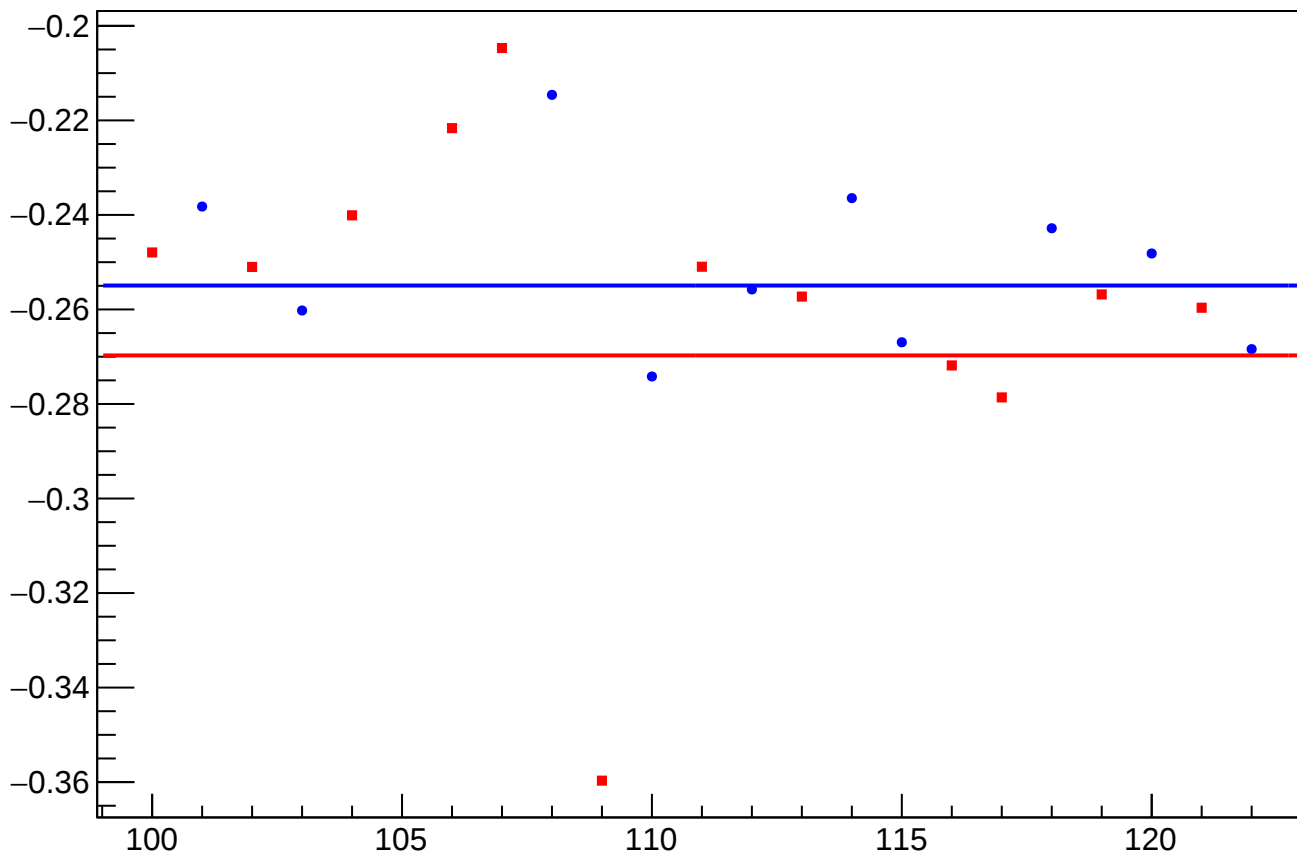
Right Out: 0.017+/-0.000  $\chi^2/\text{NDF}$ : 858444.7/11

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

0.017+/-0.000  $\chi^2/\text{NDF}$ : 758267.2/9

0.017+/-0.000  $\chi^2/\text{NDF}$ : 858444.7/11

# yield\_bpm4ecX\_mean vs Slug



Right In: -0.255+/-0.000  $\chi^2/\text{NDF}$ : 1327389.0/9

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

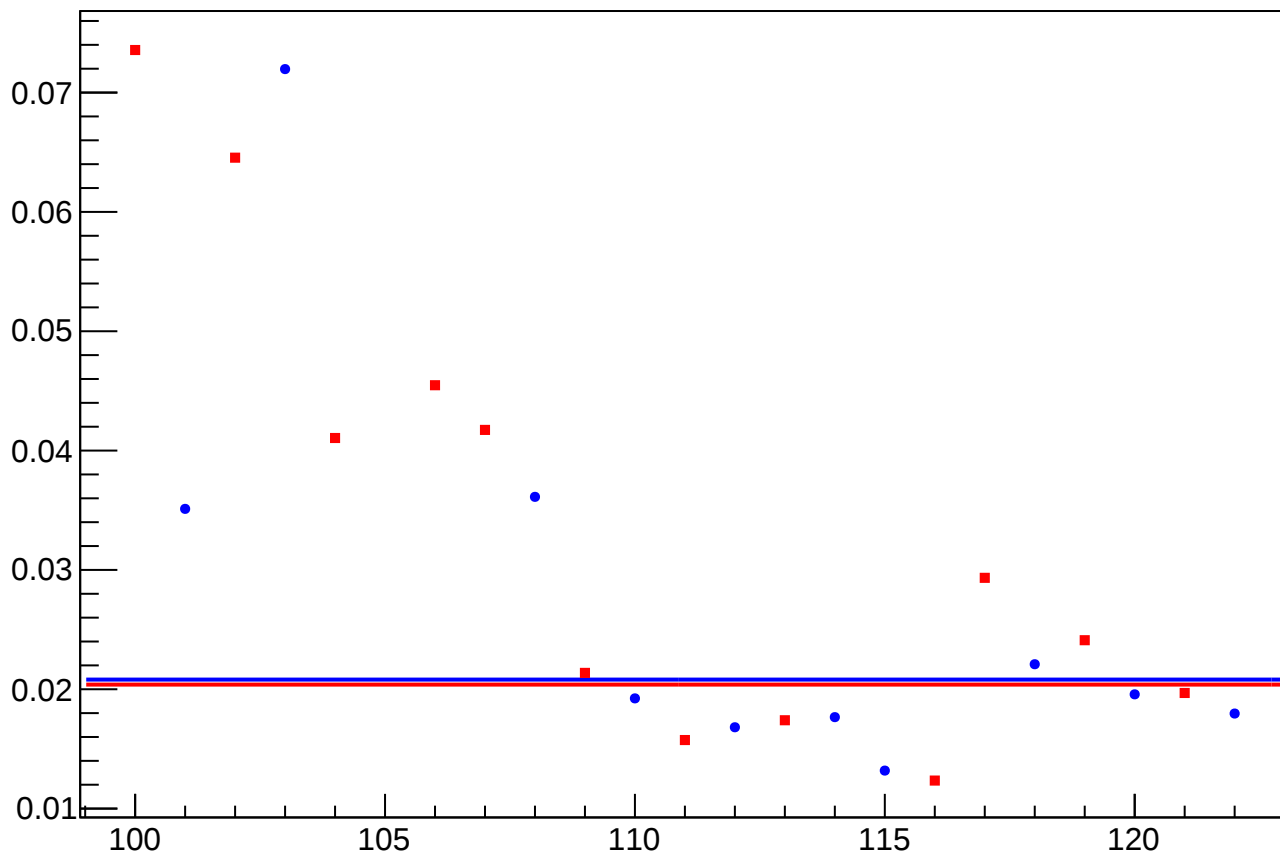
Right Out: -0.270+/-0.000  $\chi^2/\text{NDF}$ : 9721133.8/11

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

-0.255+/-0.000  $\chi^2/\text{NDF}$ : 1327389.0/9

-0.270+/-0.000  $\chi^2/\text{NDF}$ : 9721133.8/11

# yield\_bpm4ecX\_rms vs Slug



Right In: 0.021+/-0.000  $\chi^2/\text{NDF}$ : 981195.0/9

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

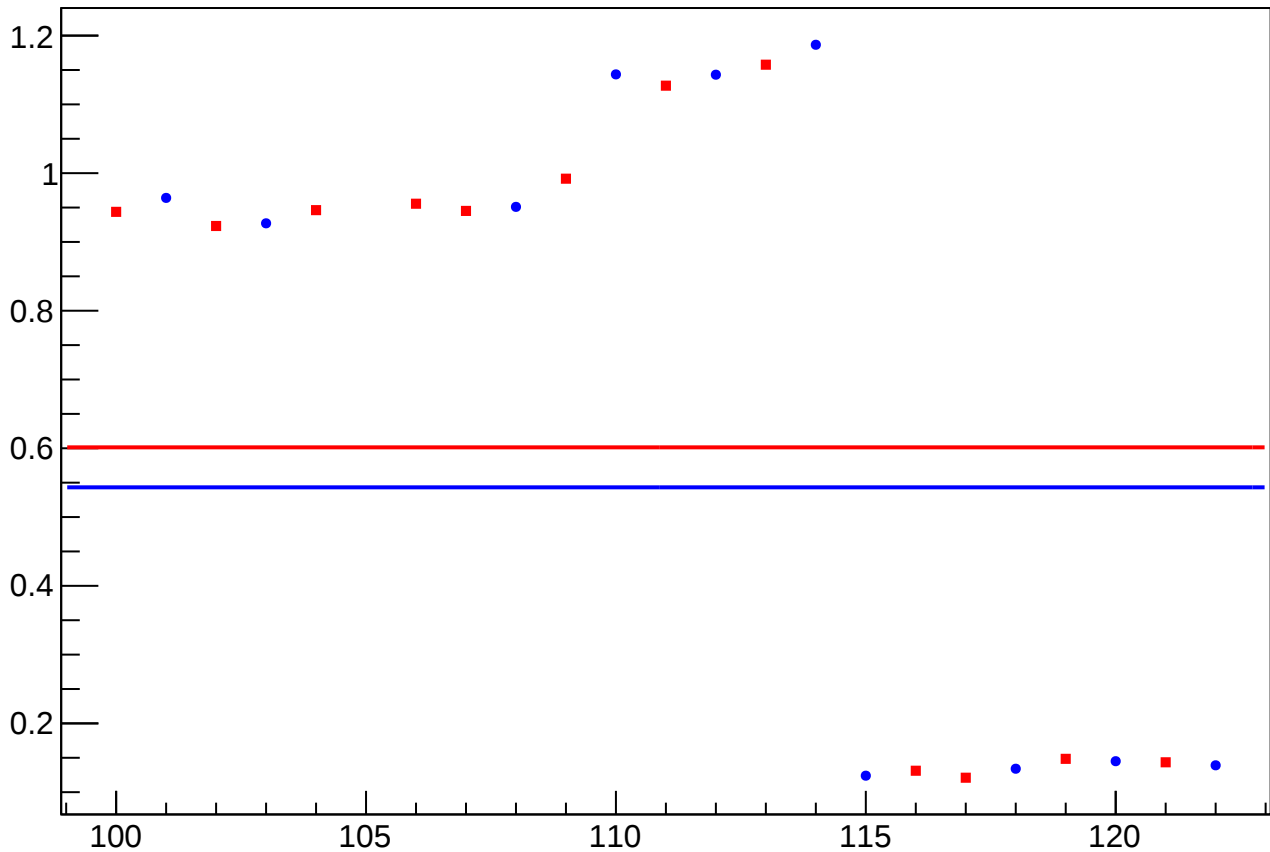
Right Out: 0.020+/-0.000  $\chi^2/\text{NDF}$ : 1303449.8/11

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

0.021+/-0.000  $\chi^2/\text{NDF}$ : 981195.0/9

0.020+/-0.000  $\chi^2/\text{NDF}$ : 1303449.8/11

# yield\_bpm4ecY\_mean vs Slug



Right In: 0.543+/-0.000  $\chi^2/\text{NDF}$ : 3111269217.4/9

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

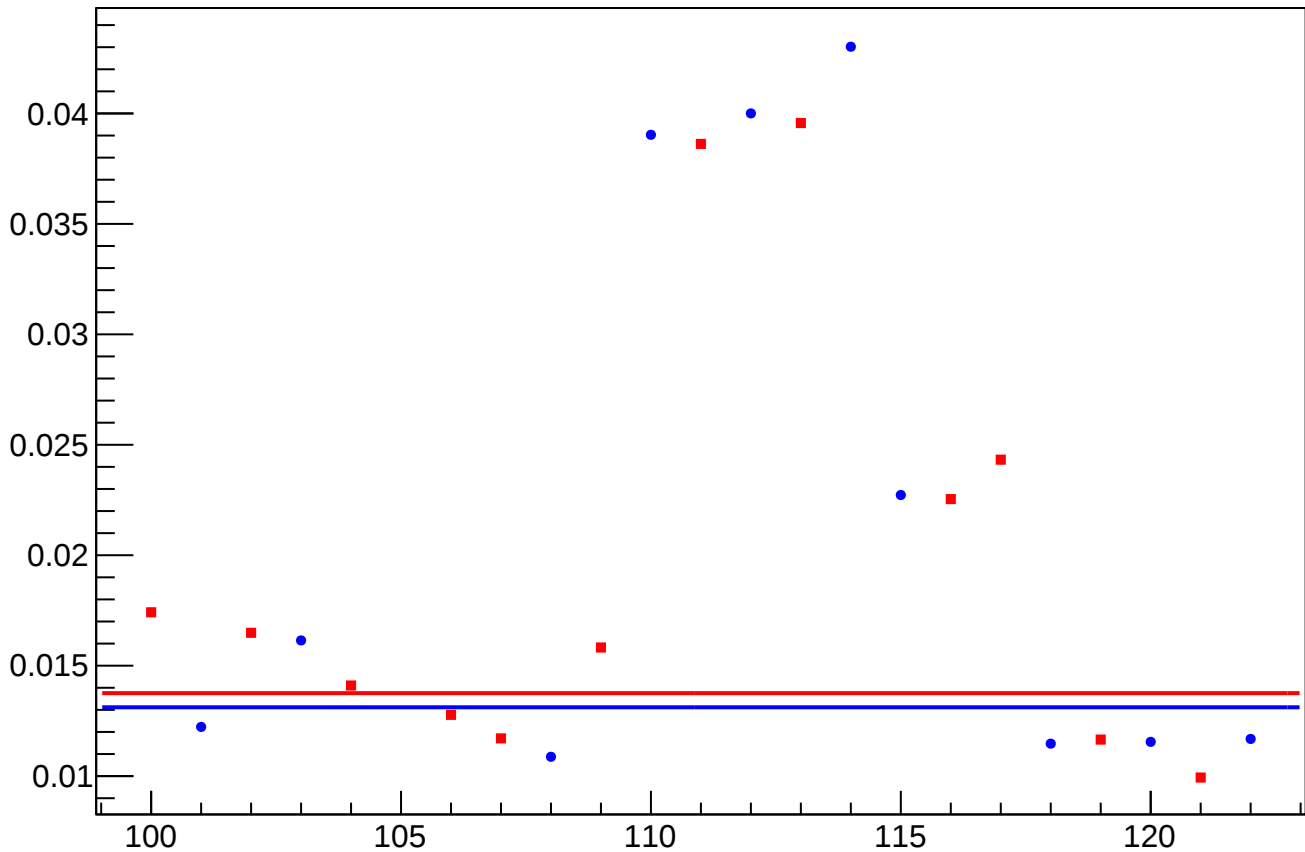
0.543+/-0.000  $\chi^2/\text{NDF}$ : 3111269217.4/9

Right Out: 0.601+/-0.000  $\chi^2/\text{NDF}$ : 3003287667.1/11

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

0.601+/-0.000  $\chi^2/\text{NDF}$ : 3003287667.1/11

# yield\_bpm4ecY\_rms vs Slug



Right In: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 946174.3/9

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

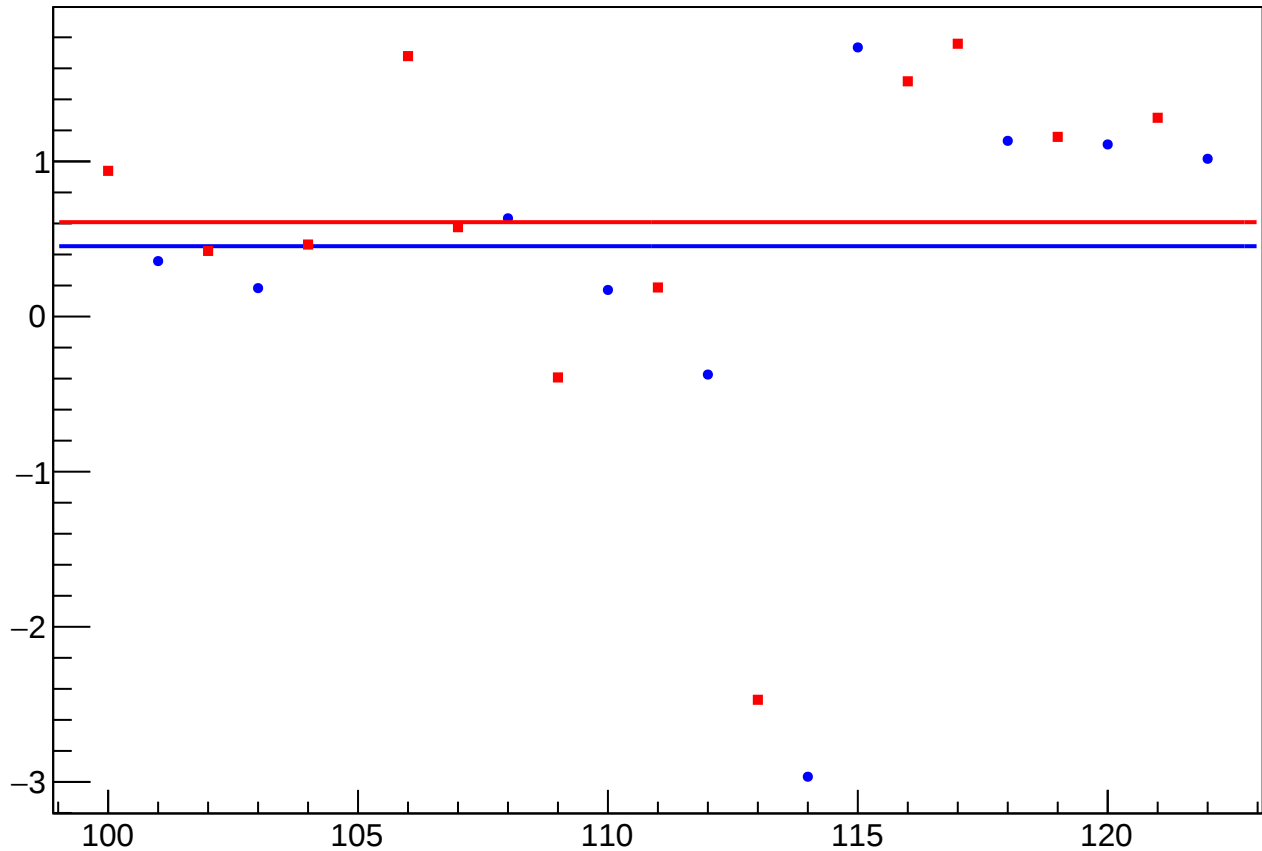
Right Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 997468.5/11

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

0.013+/-0.000  $\chi^2/\text{NDF}$ : 946174.3/9

0.014+/-0.000  $\chi^2/\text{NDF}$ : 997468.5/11

# yield\_bpm1X\_mean vs Slug



Right In: 0.453+/-0.000  $\chi^2/\text{NDF}$ : 208136379.8/9

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

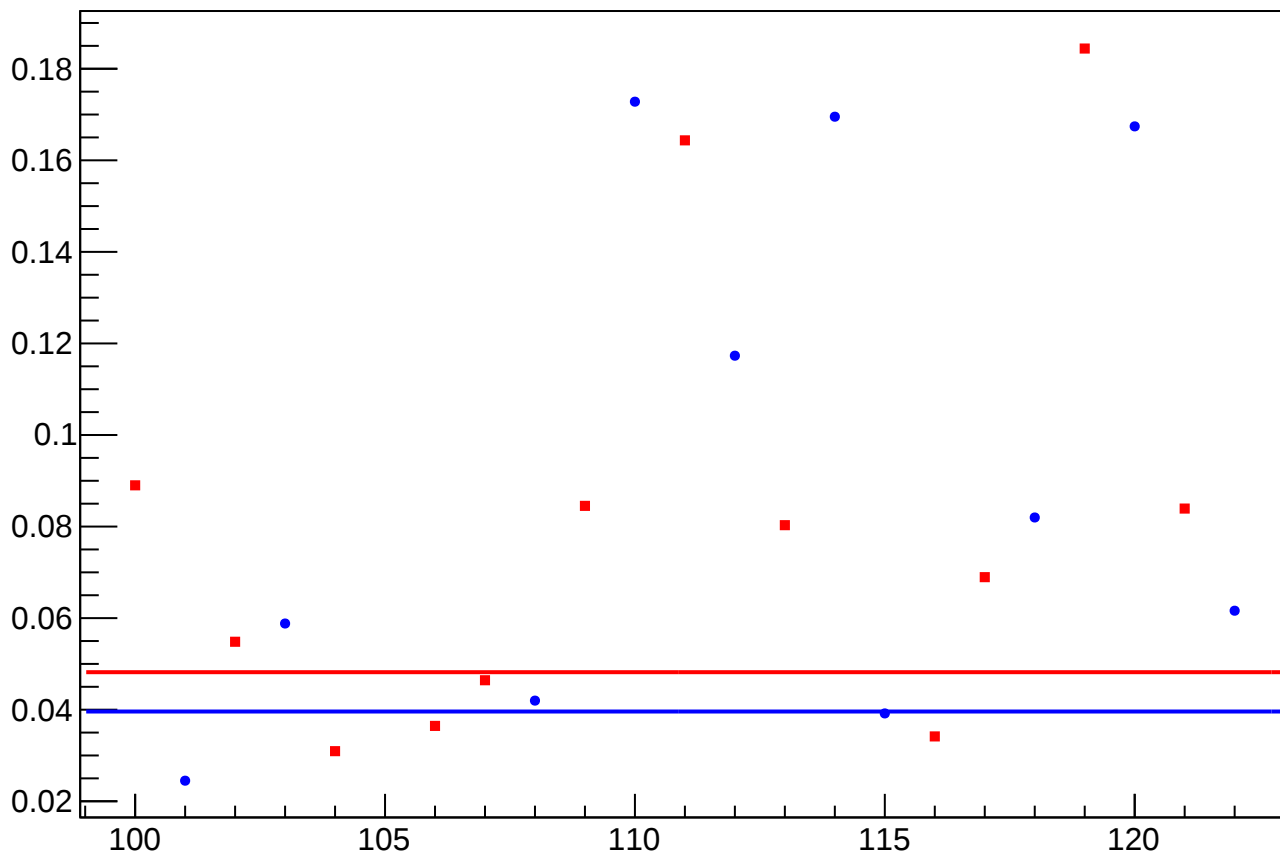
0.453+/-0.000  $\chi^2/\text{NDF}$ : 208136379.8/9

Right Out: 0.608+/-0.000  $\chi^2/\text{NDF}$ : 875473658.8/11

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

0.608+/-0.000  $\chi^2/\text{NDF}$ : 875473658.8/11

# yield\_bpm1X\_rms vs Slug



Right In: 0.040+/-0.000  $\chi^2/\text{NDF}$ : 1927762.2/9

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

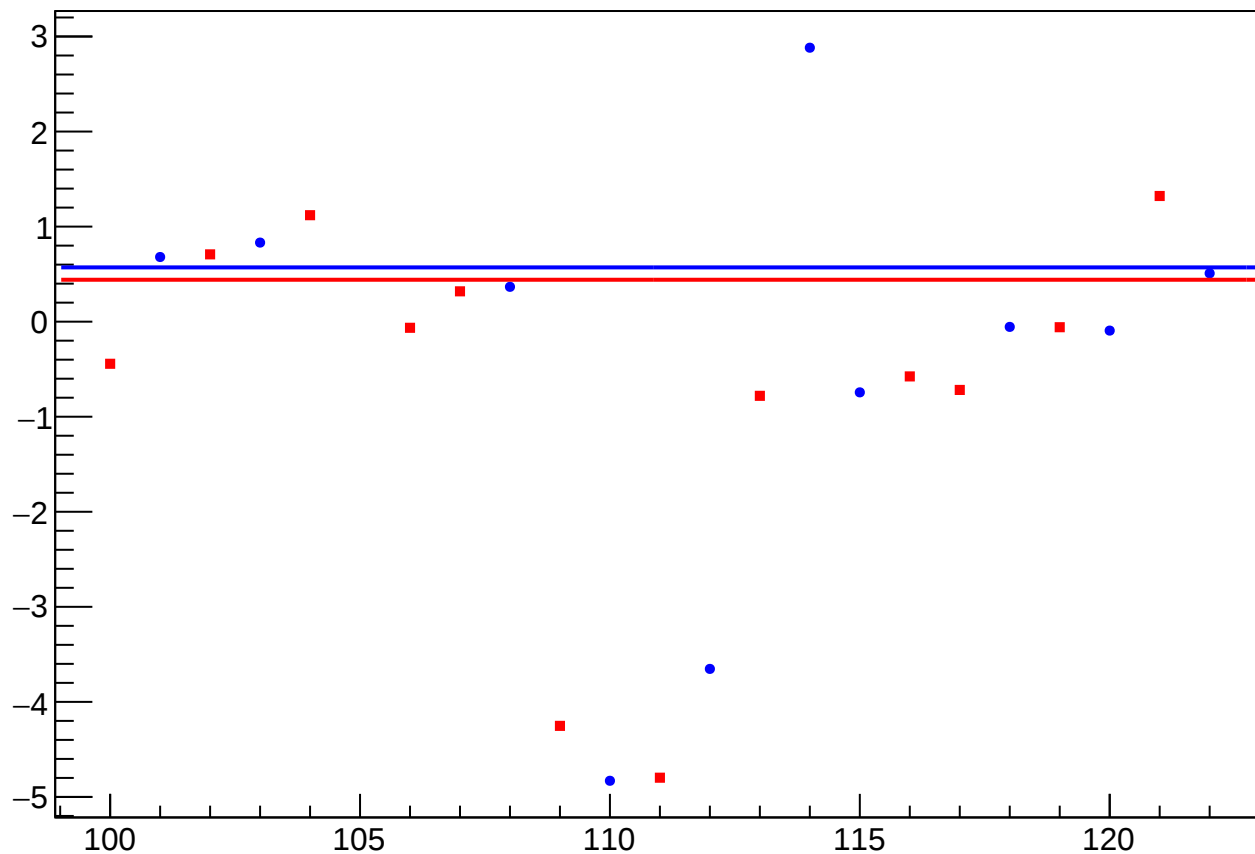
Right Out: 0.048+/-0.000  $\chi^2/\text{NDF}$ : 1654275.6/11

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

0.040+/-0.000  $\chi^2/\text{NDF}$ : 1927762.2/9

0.048+/-0.000  $\chi^2/\text{NDF}$ : 1654275.6/11

# yield\_bpm1Y\_mean vs Slug



Right In: 0.571+/-0.000  $\chi^2/\text{NDF}$ : 1604216460.9/9

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

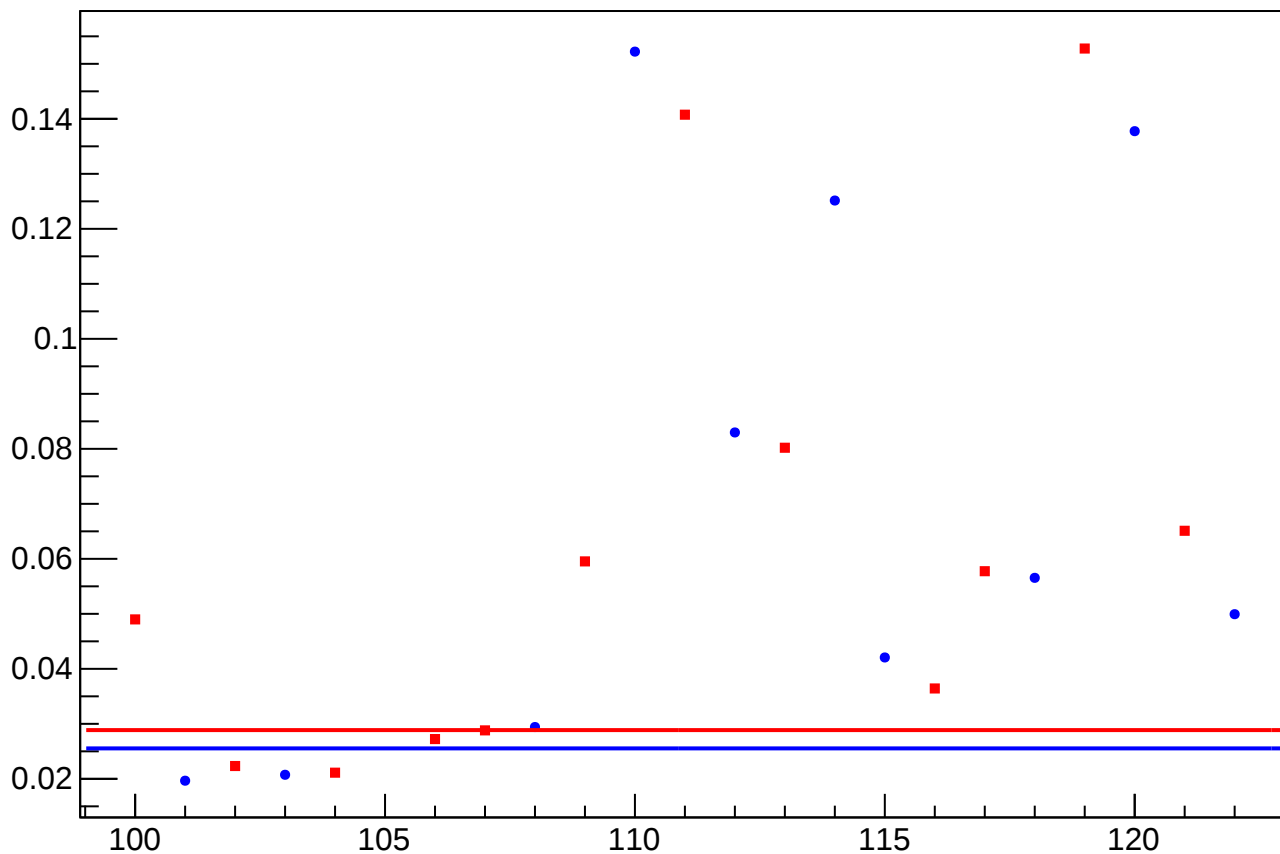
Right Out: 0.441+/-0.000  $\chi^2/\text{NDF}$ : 3676723302.0/11

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

0.571+/-0.000  $\chi^2/\text{NDF}$ : 1604216460.9/9

0.441+/-0.000  $\chi^2/\text{NDF}$ : 3676723302.0/11

# yield\_bpm1Y\_rms vs Slug



Right In: 0.026+/-0.000  $\chi^2/\text{NDF}$ : 1790812.1/9

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

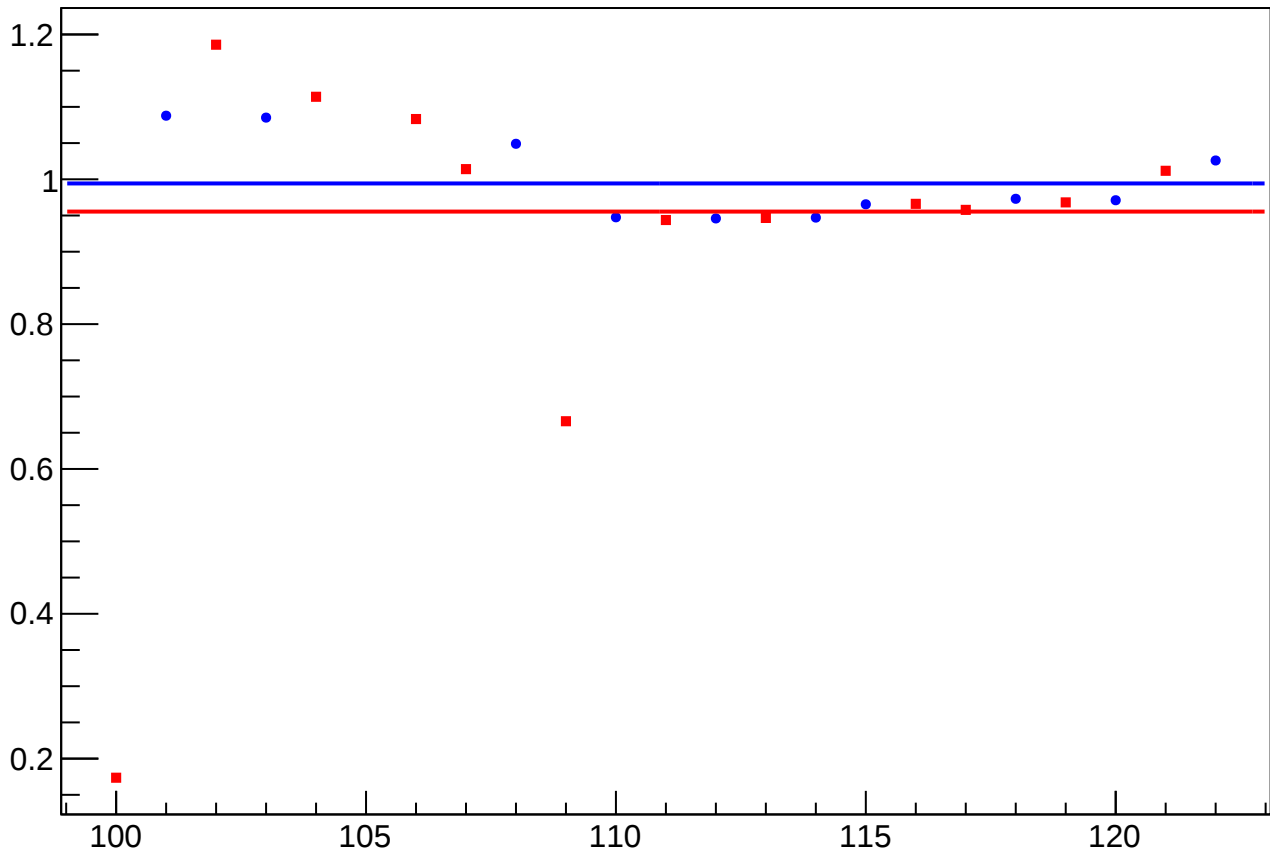
Right Out: 0.029+/-0.000  $\chi^2/\text{NDF}$ : 2071634.3/11

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

0.026+/-0.000  $\chi^2/\text{NDF}$ : 1790812.1/9

0.029+/-0.000  $\chi^2/\text{NDF}$ : 2071634.3/11

# yield\_bpm11X\_mean vs Slug



Right In: 0.994+/-0.000  $\chi^2/\text{NDF}$ : 43364238.4/9

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

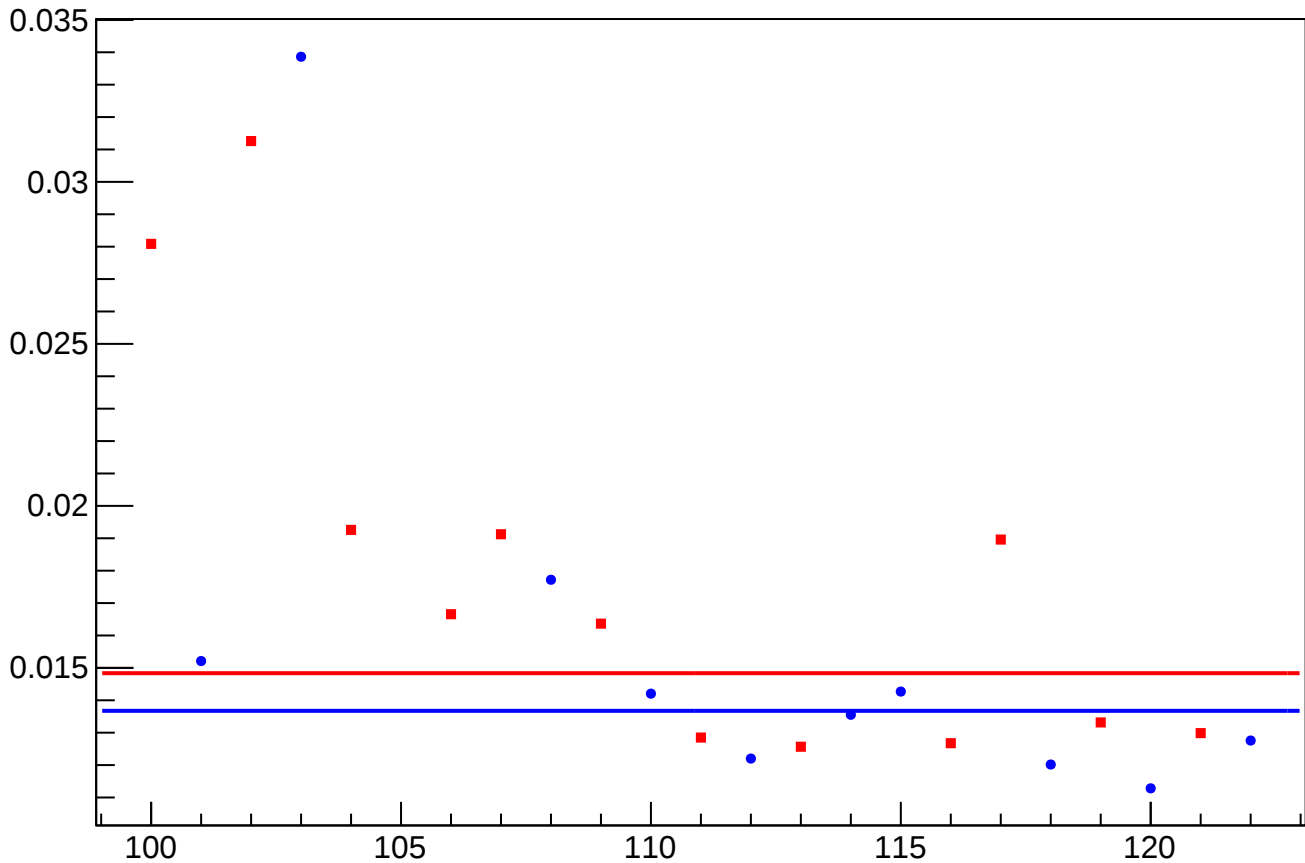
0.994+/-0.000  $\chi^2/\text{NDF}$ : 43364238.4/9

Right Out: 0.955+/-0.000  $\chi^2/\text{NDF}$ : 265136439.4/11

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

0.955+/-0.000  $\chi^2/\text{NDF}$ : 265136439.4/11

# yield\_bpm11X\_rms vs Slug



Right In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 477316.7/9

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

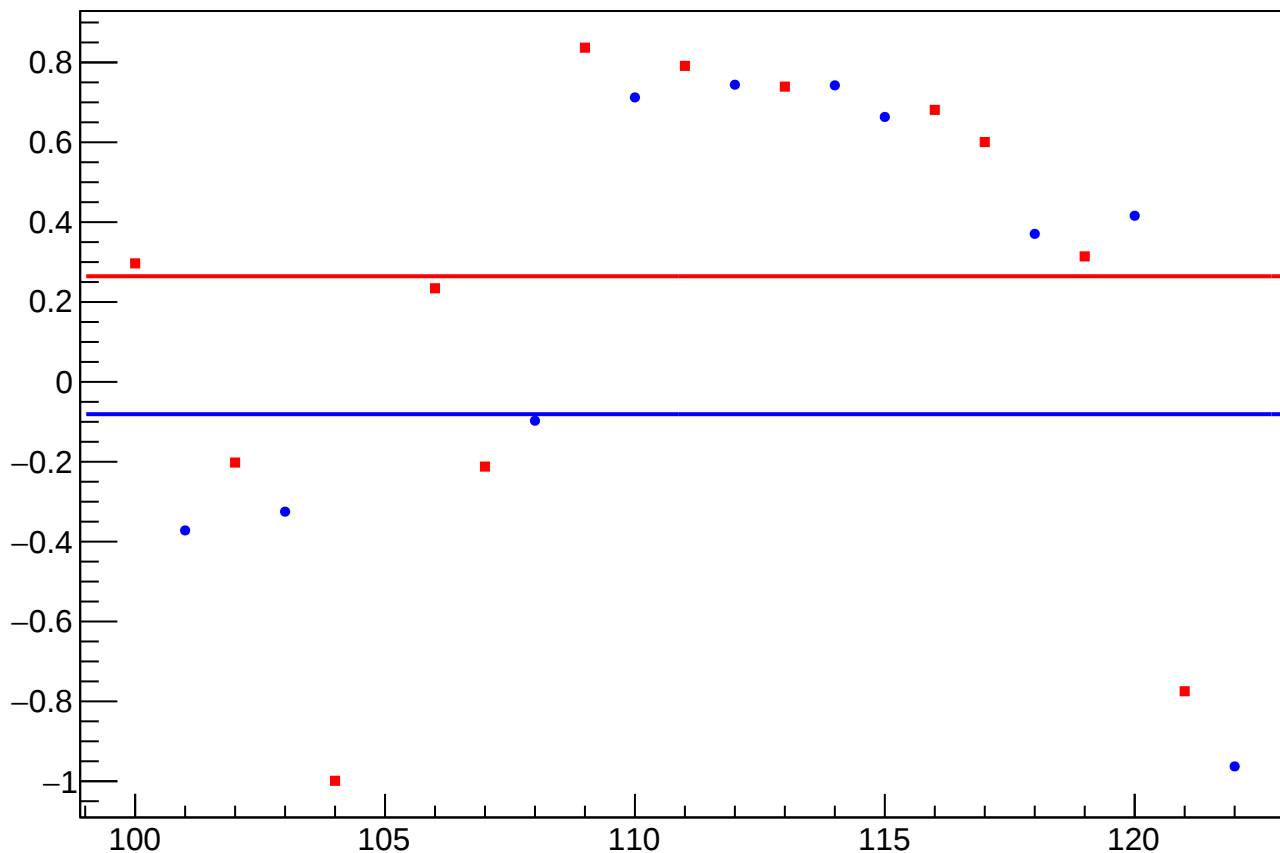
Right Out: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 467394.4/11

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

0.014+/-0.000  $\chi^2/\text{NDF}$ : 477316.7/9

0.015+/-0.000  $\chi^2/\text{NDF}$ : 467394.4/11

# yield\_bpm11Y\_mean vs Slug



Right In: -0.081+/-0.000  $\chi^2/\text{NDF}$ : 3402092033.6/9

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

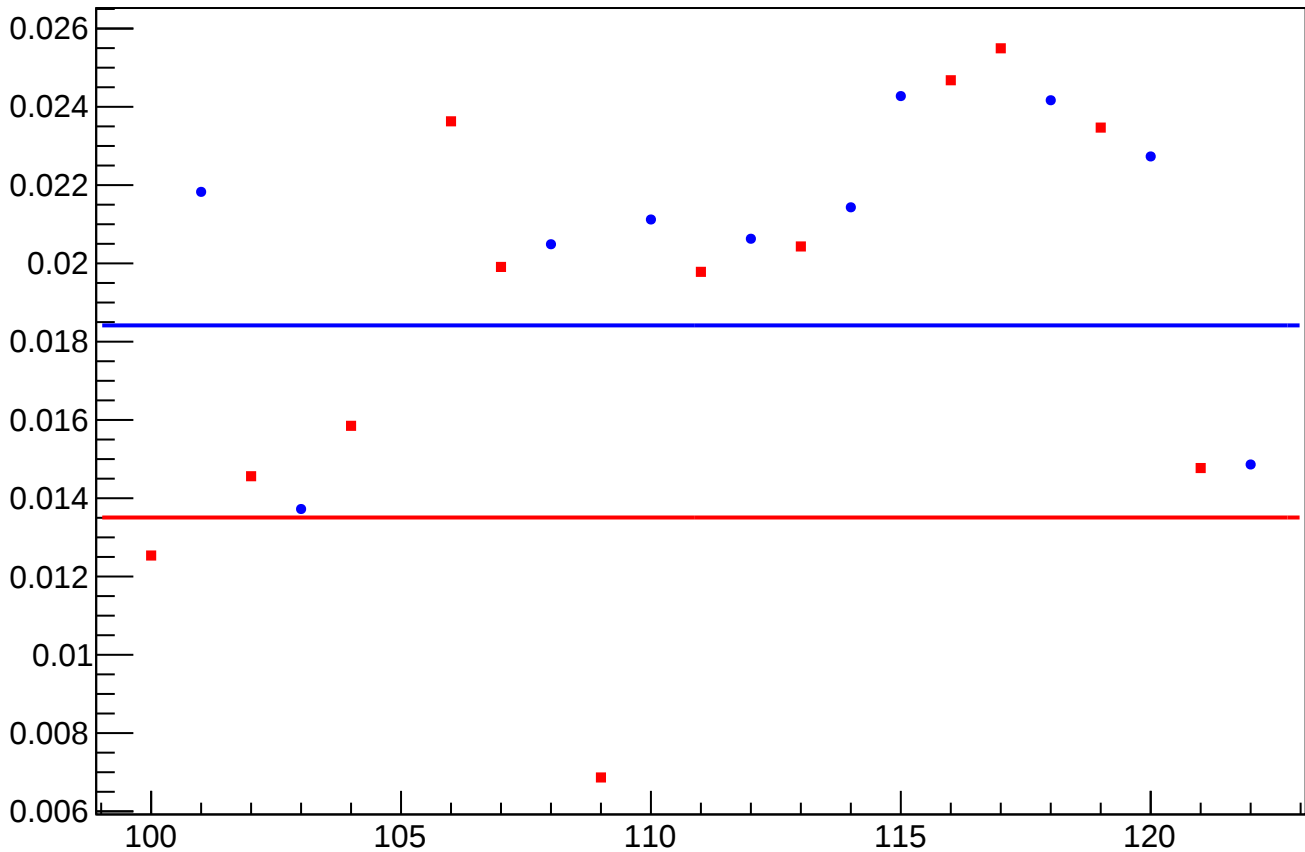
Right Out: 0.265+/-0.000  $\chi^2/\text{NDF}$ : 7948642317.3/11

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

-0.081+/-0.000  $\chi^2/\text{NDF}$ : 3402092033.6/9

0.265+/-0.000  $\chi^2/\text{NDF}$ : 7948642317.3/11

# yield\_bpm11Y\_rms vs Slug



Right In: 0.018+/-0.000  $\chi^2/\text{NDF}$ : 319040.1/9

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

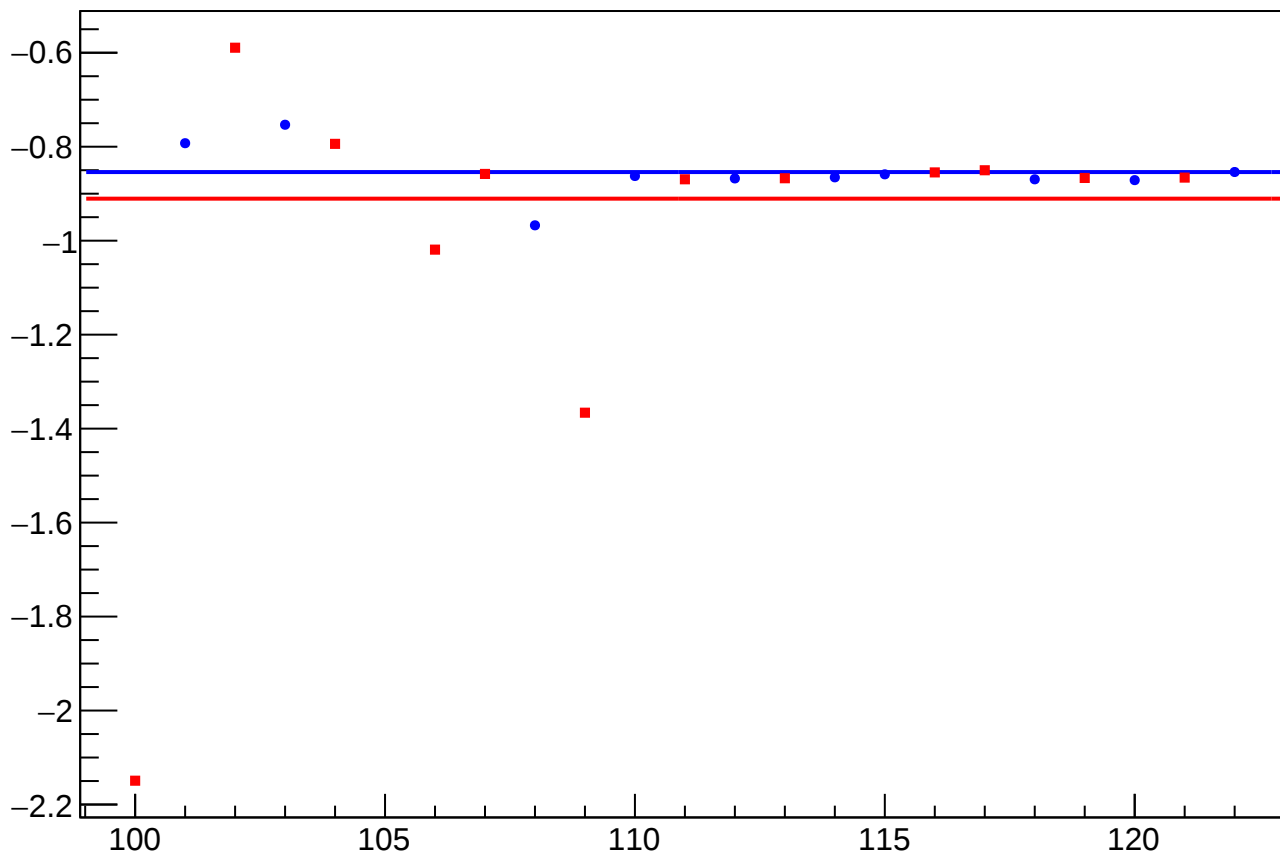
Right Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 1259312.0/11

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

0.018+/-0.000  $\chi^2/\text{NDF}$ : 319040.1/9

0.014+/-0.000  $\chi^2/\text{NDF}$ : 1259312.0/11

yield\_bpm12X\_mean vs Slug



Right In: -0.854+/-0.000  $\chi^2$ /NDF: 6265010.3/9

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

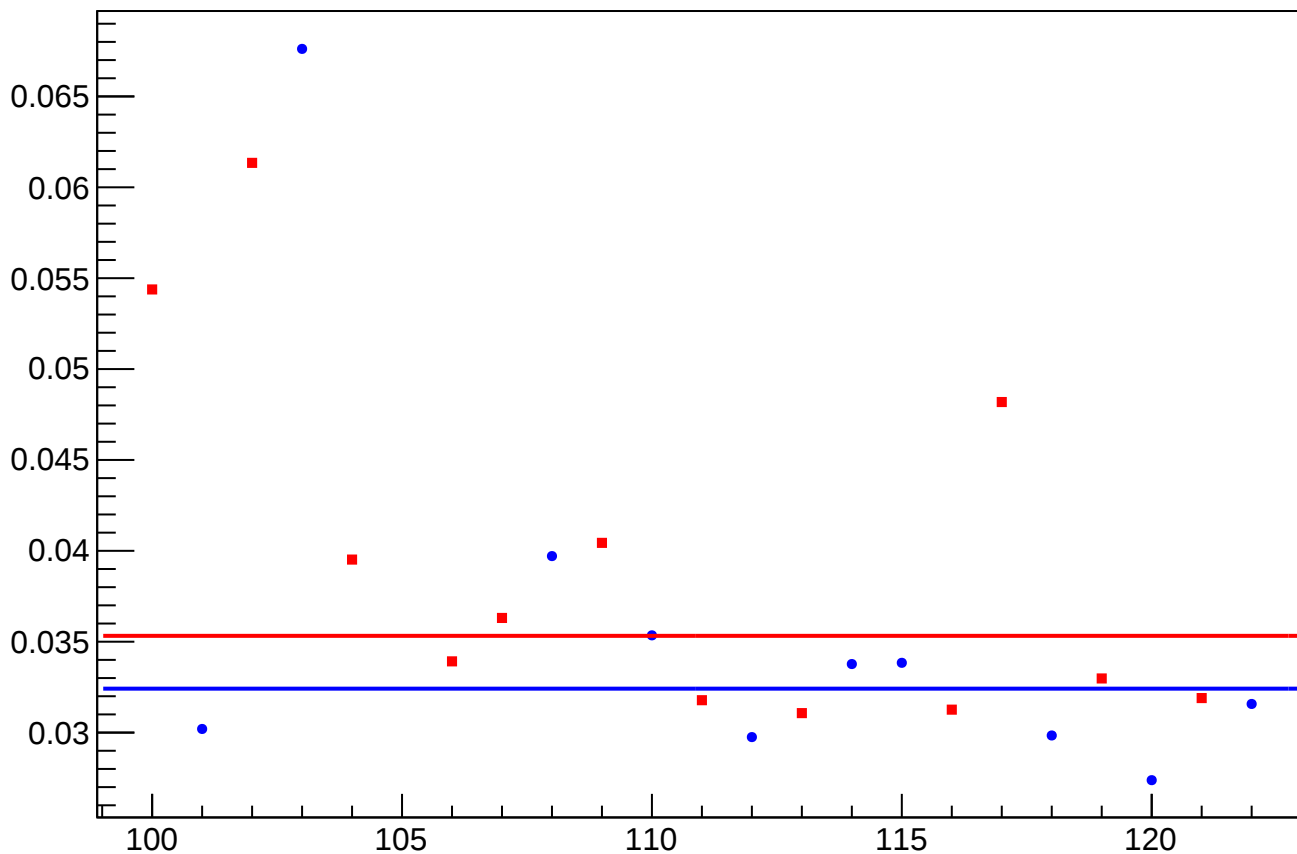
Right Out: -0.911+/-0.000  $\chi^2$ /NDF: 109076604.5/11

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

-0.854+/-0.000  $\chi^2$ /NDF: 6265010.3/9

-0.911+/-0.000  $\chi^2$ /NDF: 109076604.5/11

# yield\_bpm12X\_rms vs Slug



Right In: 0.032 $\pm$ 0.000  $\chi^2$ /NDF: 344111.1/9

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

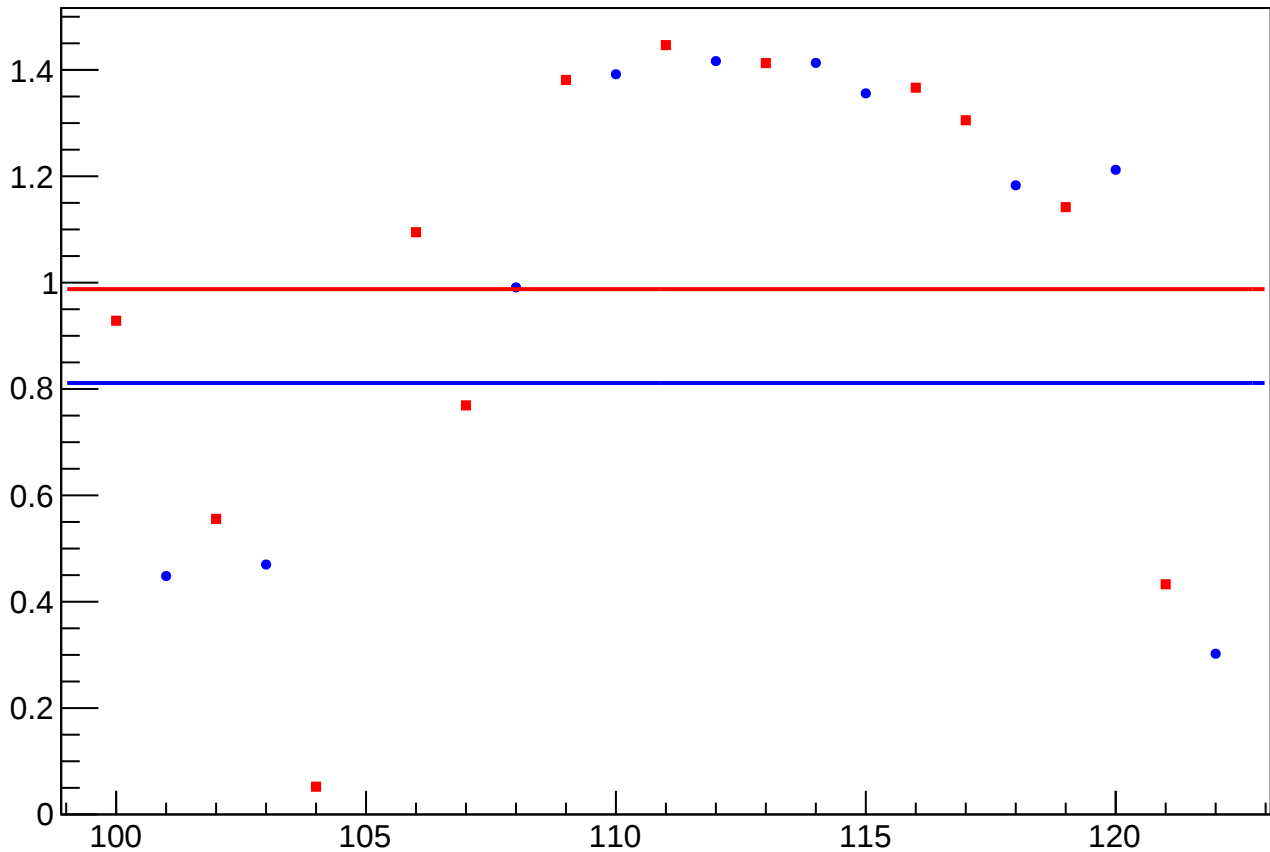
Right Out: 0.035 $\pm$ 0.000  $\chi^2$ /NDF: 261632.6/11

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

0.032 $\pm$ 0.000  $\chi^2$ /NDF: 344111.1/9

0.035 $\pm$ 0.000  $\chi^2$ /NDF: 261632.6/11

# yield\_bpm12Y\_mean vs Slug



Right In: 0.811+/-0.000  $\chi^2/\text{NDF}$ : 4232275585.0/9

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

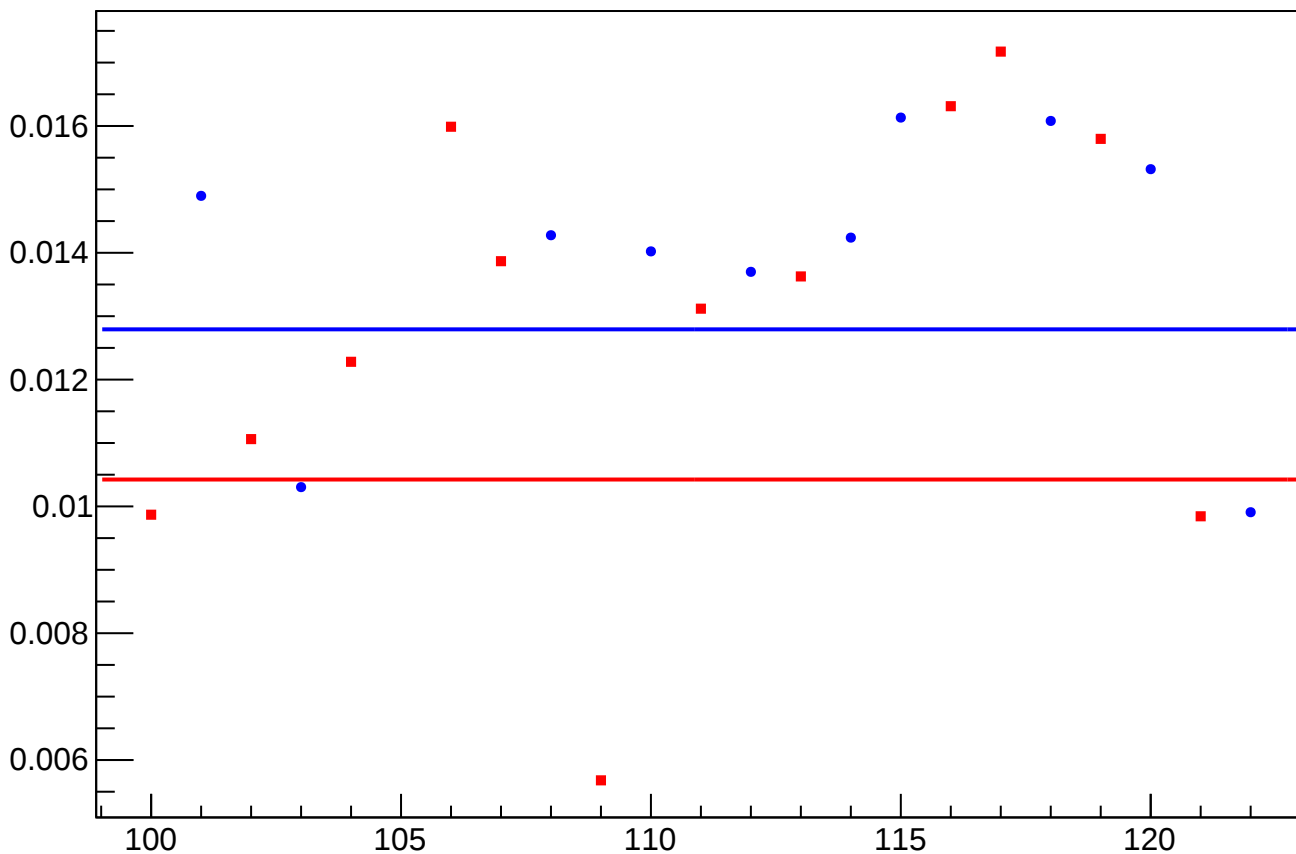
0.811+/-0.000  $\chi^2/\text{NDF}$ : 4232275585.0/9

Right Out: 0.988+/-0.000  $\chi^2/\text{NDF}$ : 7179808129.8/11

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

0.988+/-0.000  $\chi^2/\text{NDF}$ : 7179808129.8/11

# yield\_bpm12Y\_rms vs Slug



Right In: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 234448.1/9

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

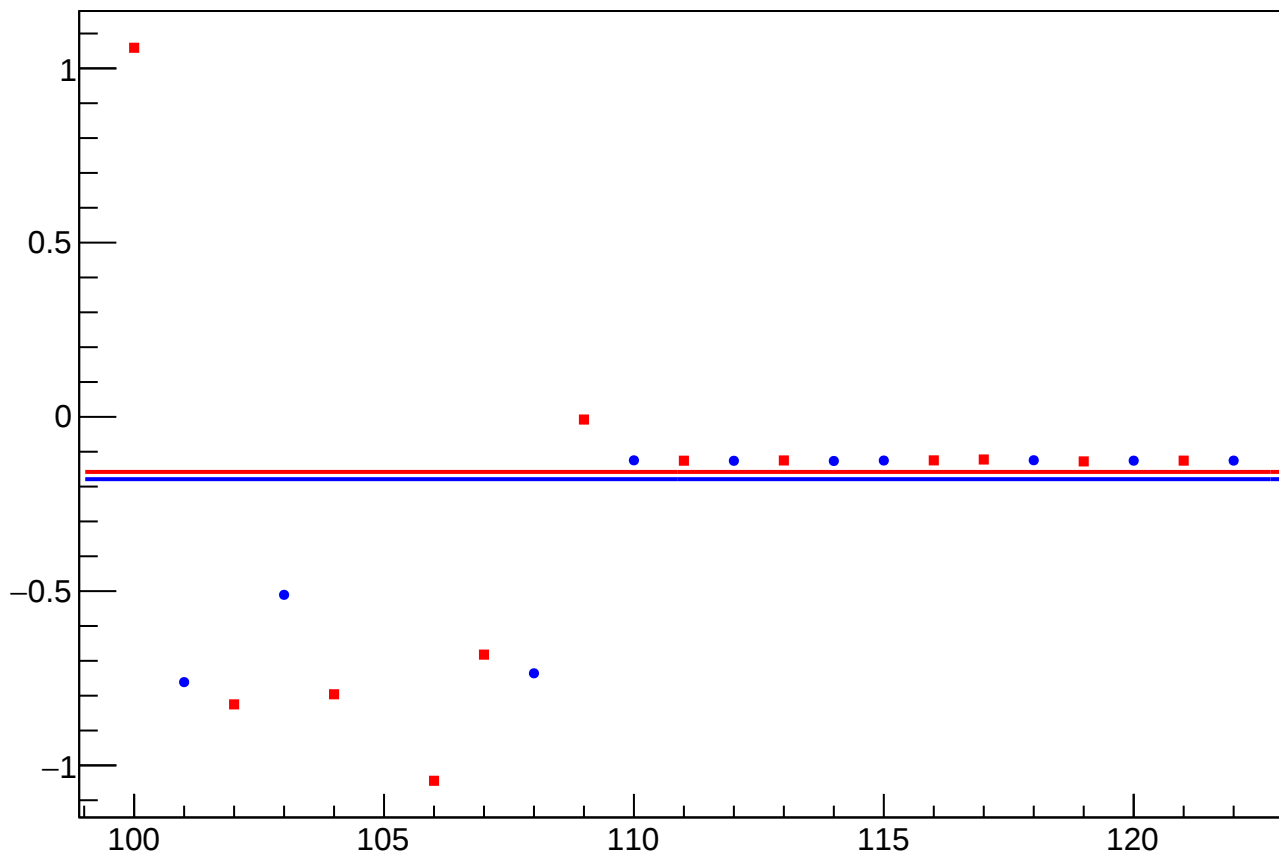
Right Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 839617.1/11

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

0.013+/-0.000  $\chi^2/\text{NDF}$ : 234448.1/9

0.010+/-0.000  $\chi^2/\text{NDF}$ : 839617.1/11

# yield\_bpm16X\_mean vs Slug



Right In: -0.179+/-0.000  $\chi^2/\text{NDF}$ : 353082456.0/9

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

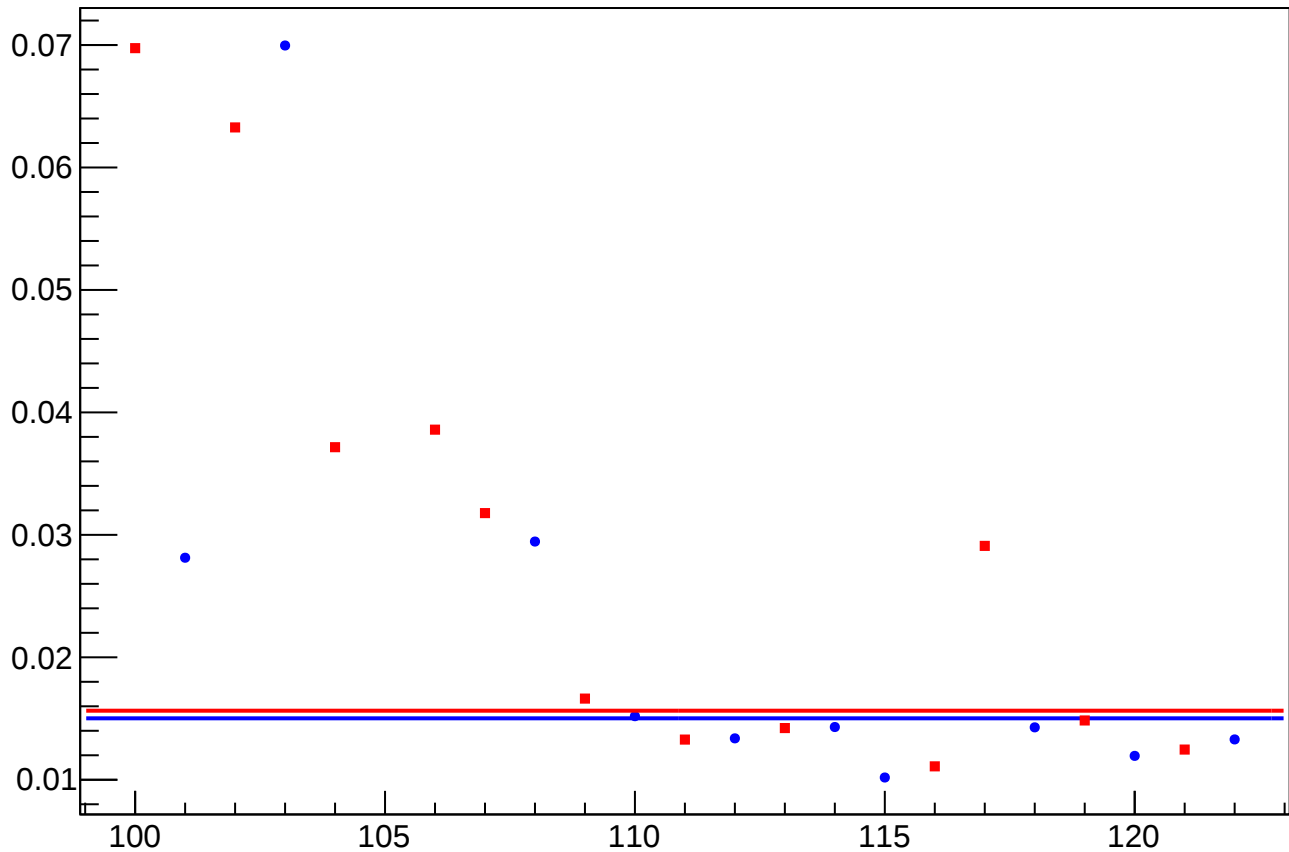
Right Out: -0.158+/-0.000  $\chi^2/\text{NDF}$ : 419451150.0/11

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

-0.179+/-0.000  $\chi^2/\text{NDF}$ : 353082456.0/9

-0.158+/-0.000  $\chi^2/\text{NDF}$ : 419451150.0/11

# yield\_bpm16X\_rms vs Slug



Right In: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 1126189.3/9

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

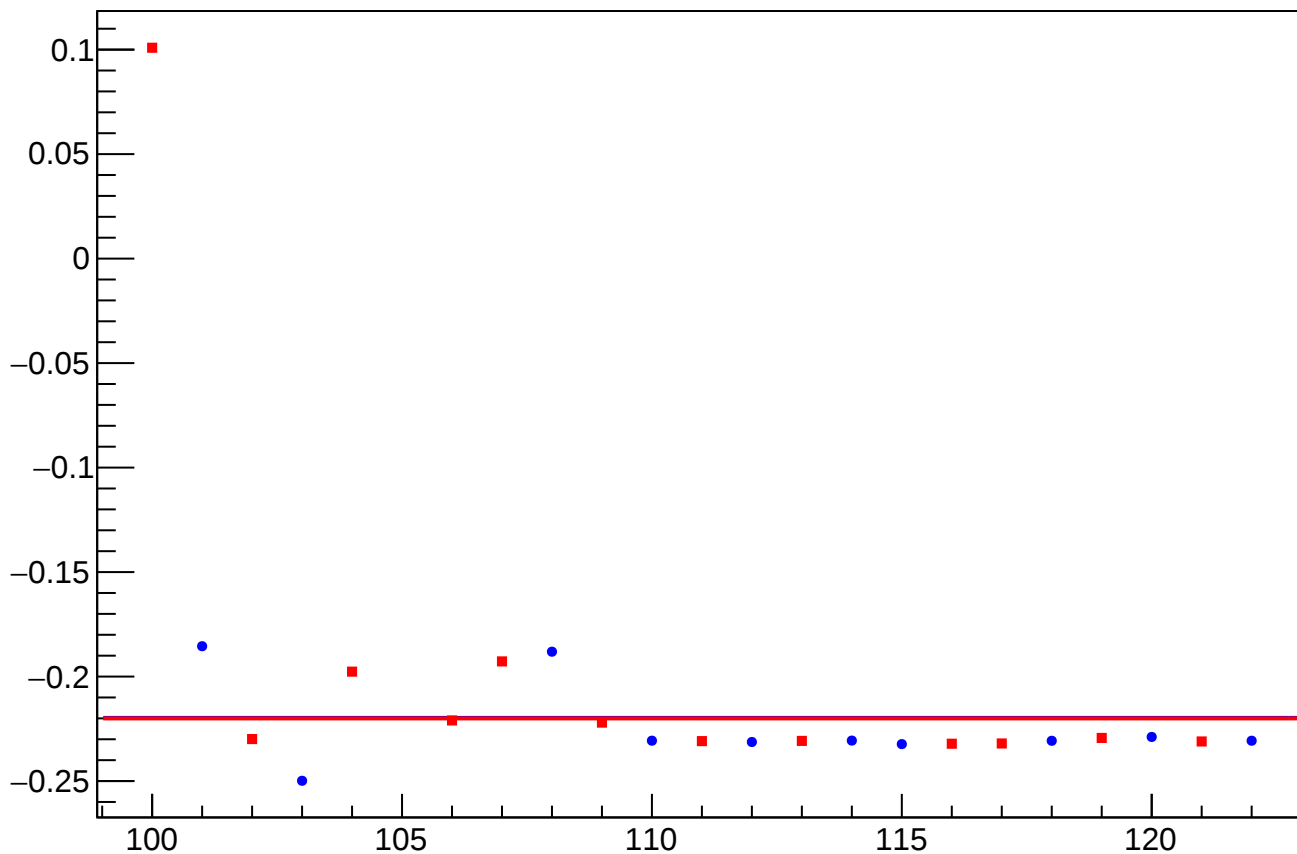
Right Out: 0.016+/-0.000  $\chi^2/\text{NDF}$ : 1329399.0/11

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

0.015+/-0.000  $\chi^2/\text{NDF}$ : 1126189.3/9

0.016+/-0.000  $\chi^2/\text{NDF}$ : 1329399.0/11

yield\_bpm16Y\_mean vs Slug



Right In: -0.220+/-0.000  $\chi^2/\text{NDF}$ : 68230501.5/9

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

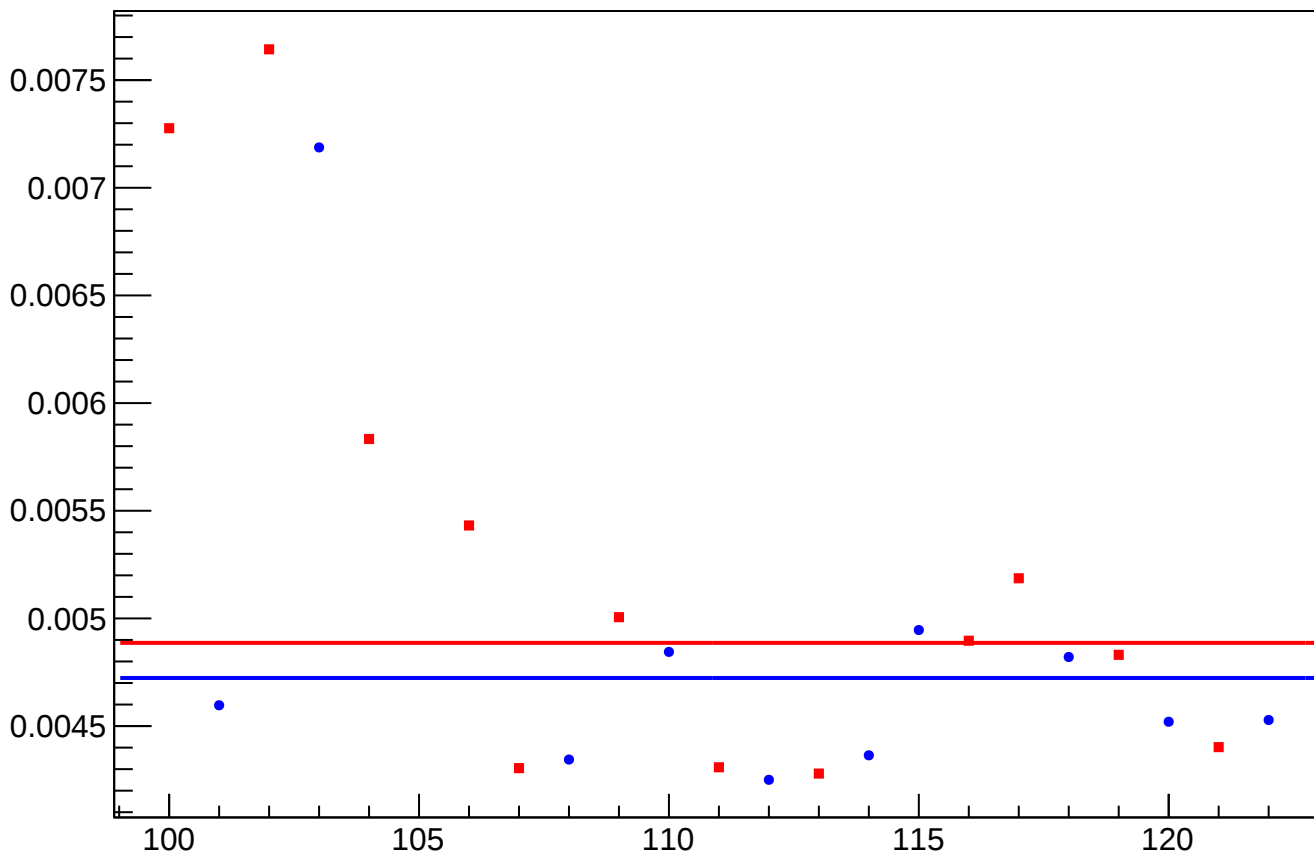
Right Out: -0.220+/-0.000  $\chi^2/\text{NDF}$ : 162610570.2/11

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

-0.220+/-0.000  $\chi^2/\text{NDF}$ : 68230501.5/9

-0.220+/-0.000  $\chi^2/\text{NDF}$ : 162610570.2/11

# yield\_bpm16Y\_rms vs Slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 145980.4/9

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

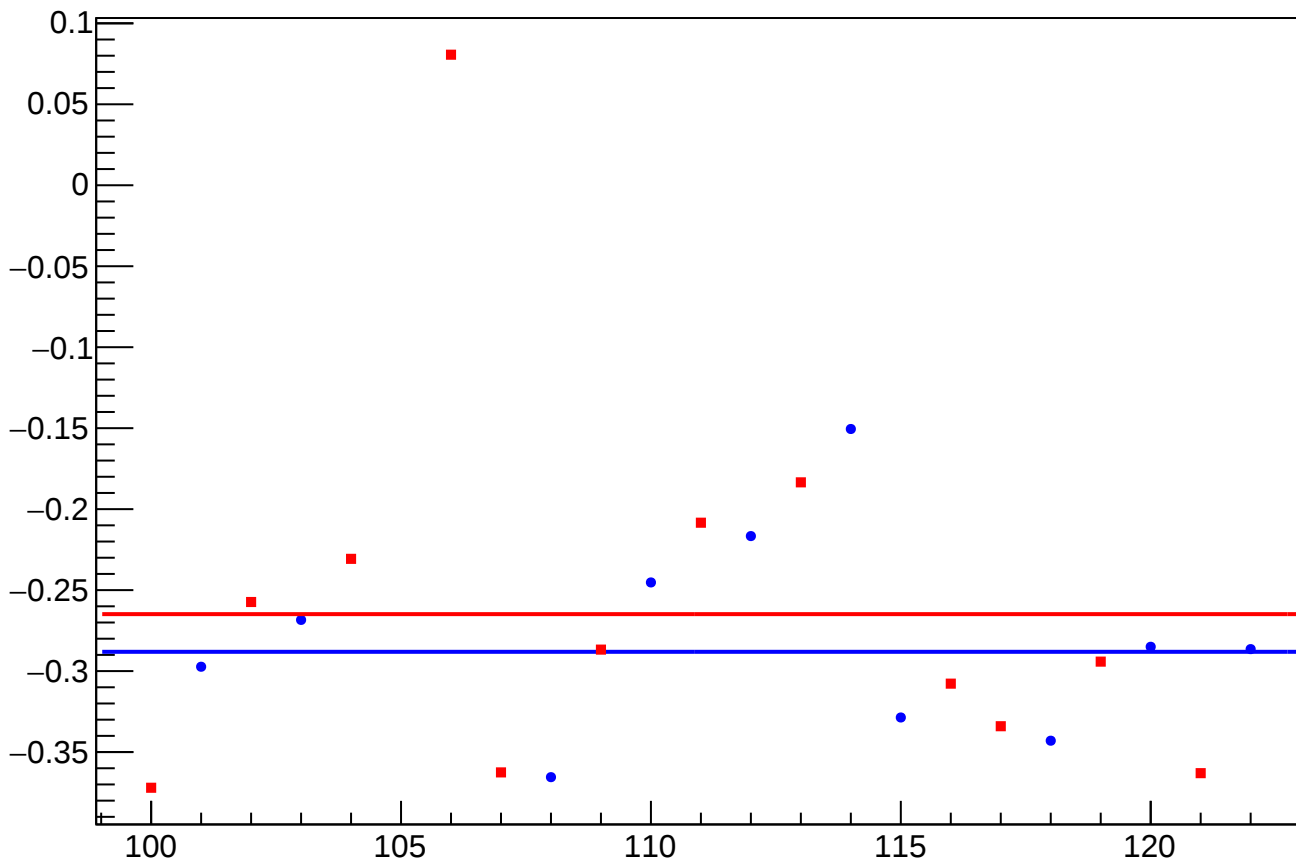
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 226048.7/11

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

0.005+/-0.000  $\chi^2/\text{NDF}$ : 145980.4/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 226048.7/11

# yield\_bpm0i02X\_mean vs Slug



Right In: -0.288+/-0.000  $\chi^2/\text{NDF}$ : 220864779.2/9

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

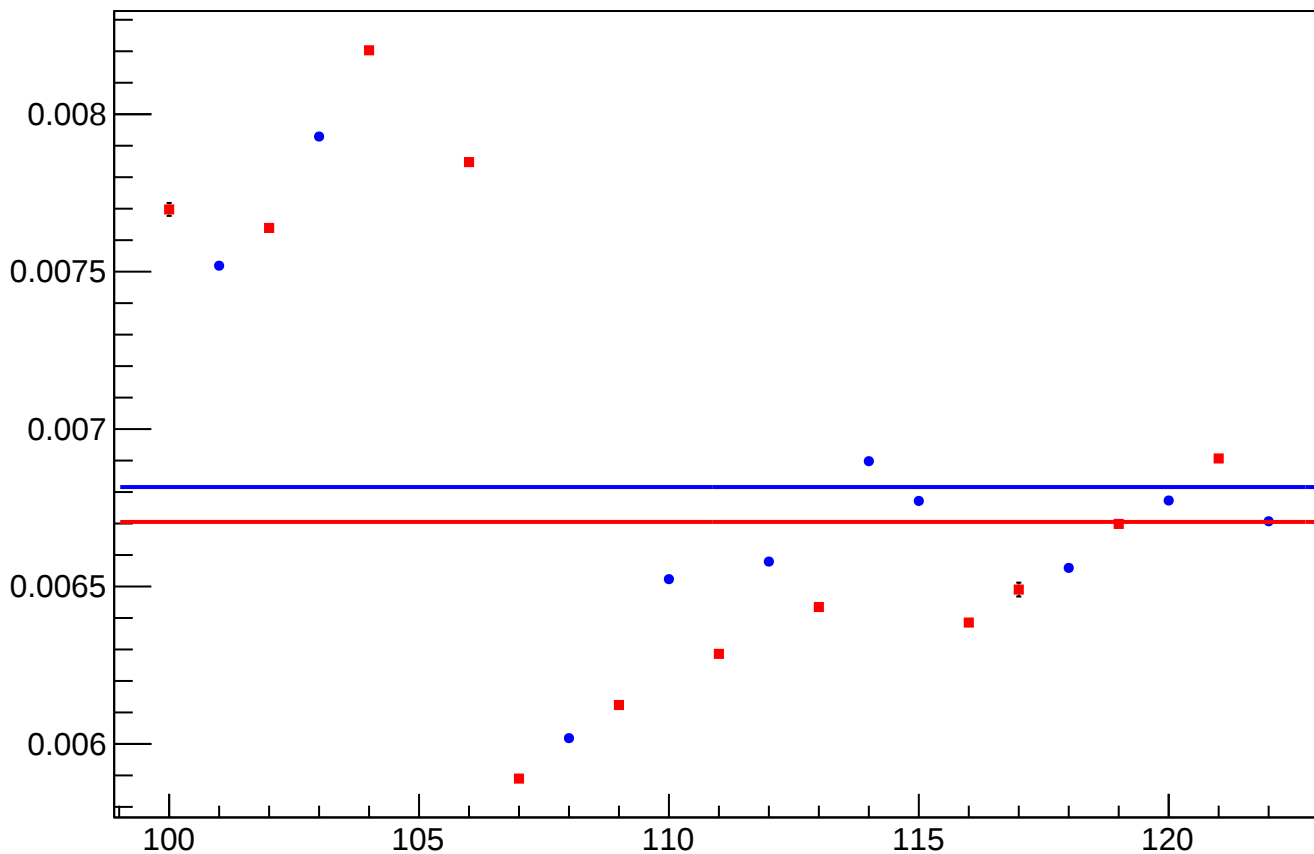
Right Out: -0.265+/-0.000  $\chi^2/\text{NDF}$ : 701207756.4/11

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

-0.288+/-0.000  $\chi^2/\text{NDF}$ : 220864779.2/9

-0.265+/-0.000  $\chi^2/\text{NDF}$ : 701207756.4/11

# yield\_bpm0i02X\_rms vs Slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 49928.0/9

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

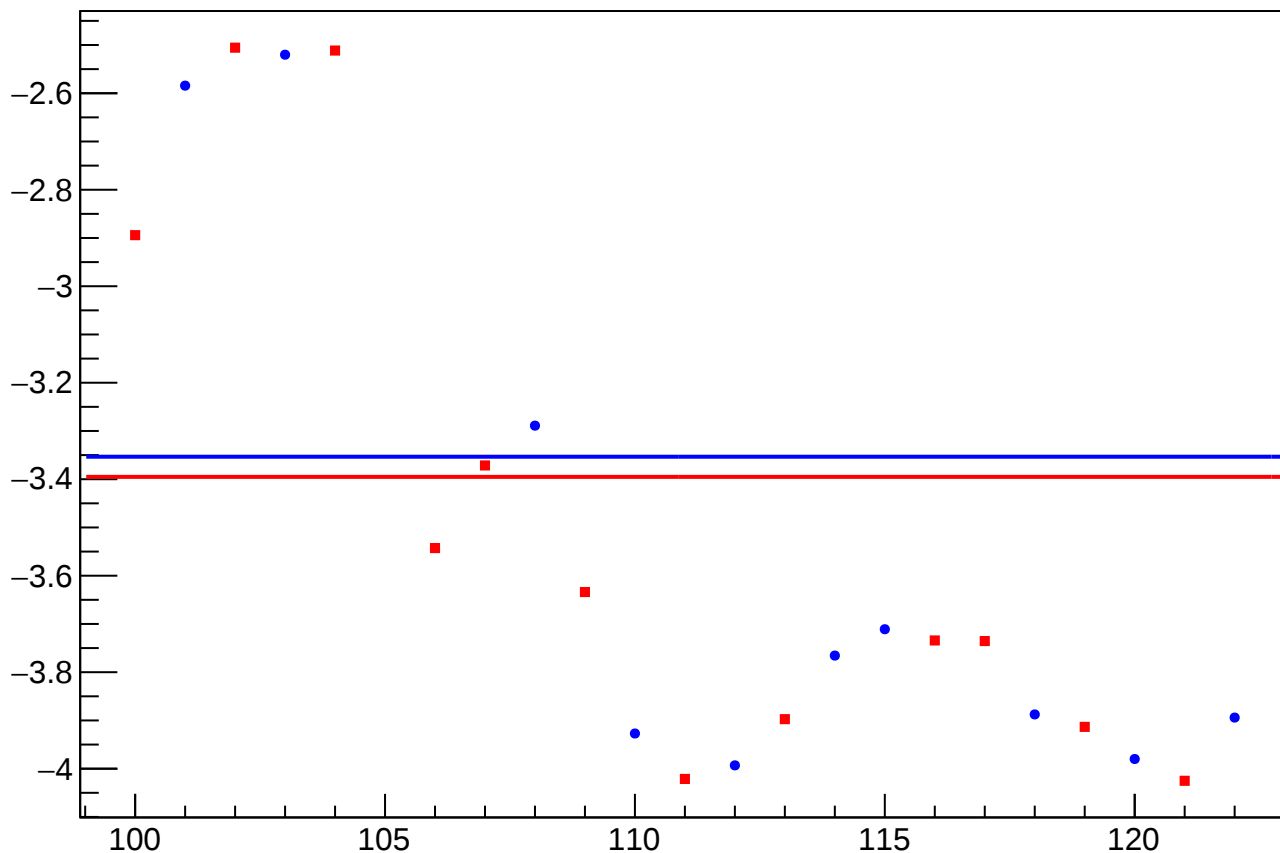
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 88613.7/11

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

0.007+/-0.000  $\chi^2/\text{NDF}$ : 49928.0/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 88613.7/11

# yield\_bpm0i02Y\_mean vs Slug



Right In: -3.353+/-0.000  $\chi^2/\text{NDF}$ : 24440126323.4/9

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

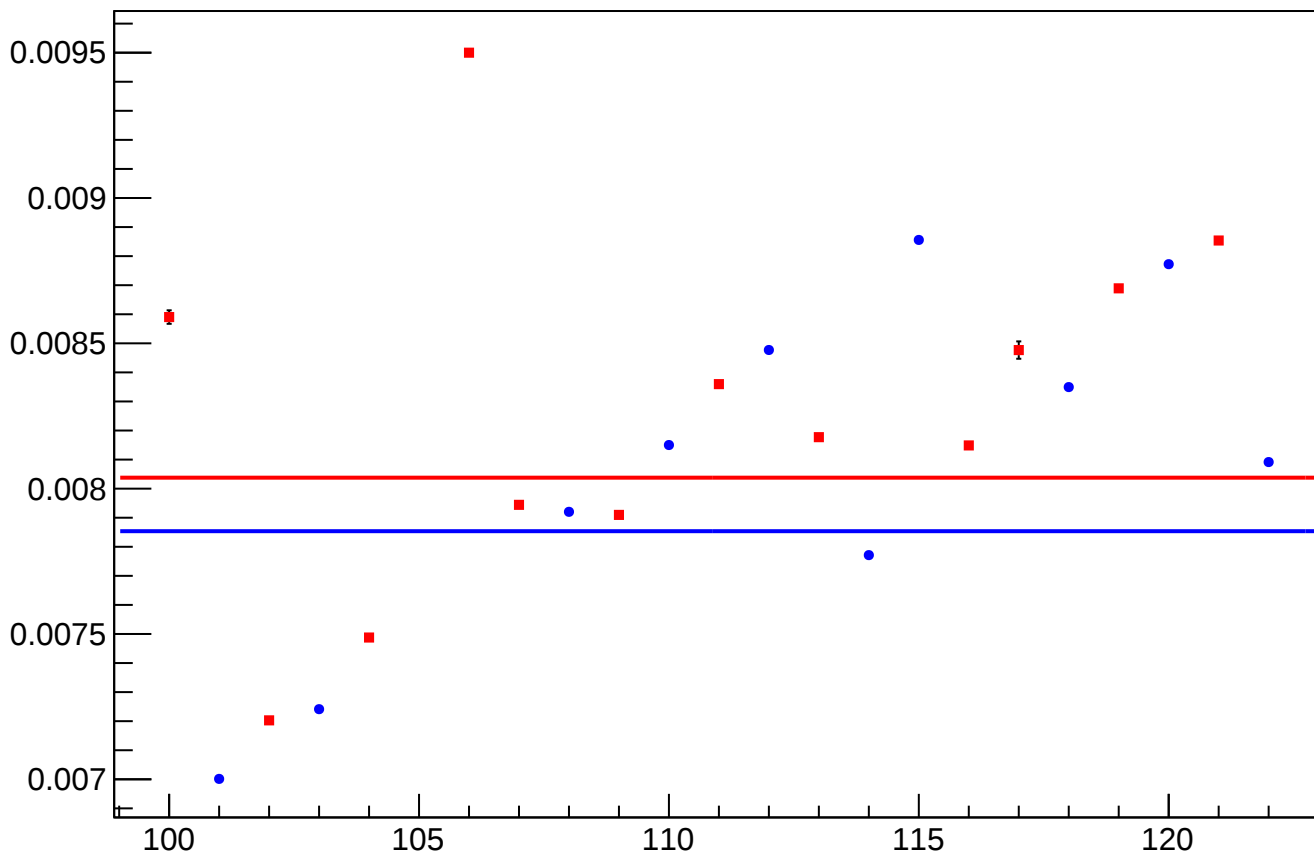
Right Out: -3.395+/-0.000  $\chi^2/\text{NDF}$ : 23589320321.9/11

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

-3.353+/-0.000  $\chi^2/\text{NDF}$ : 24440126323.4/9

-3.395+/-0.000  $\chi^2/\text{NDF}$ : 23589320321.9/11

# yield\_bpm0i02Y\_rms vs Slug



Right In: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 45444.1/9

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

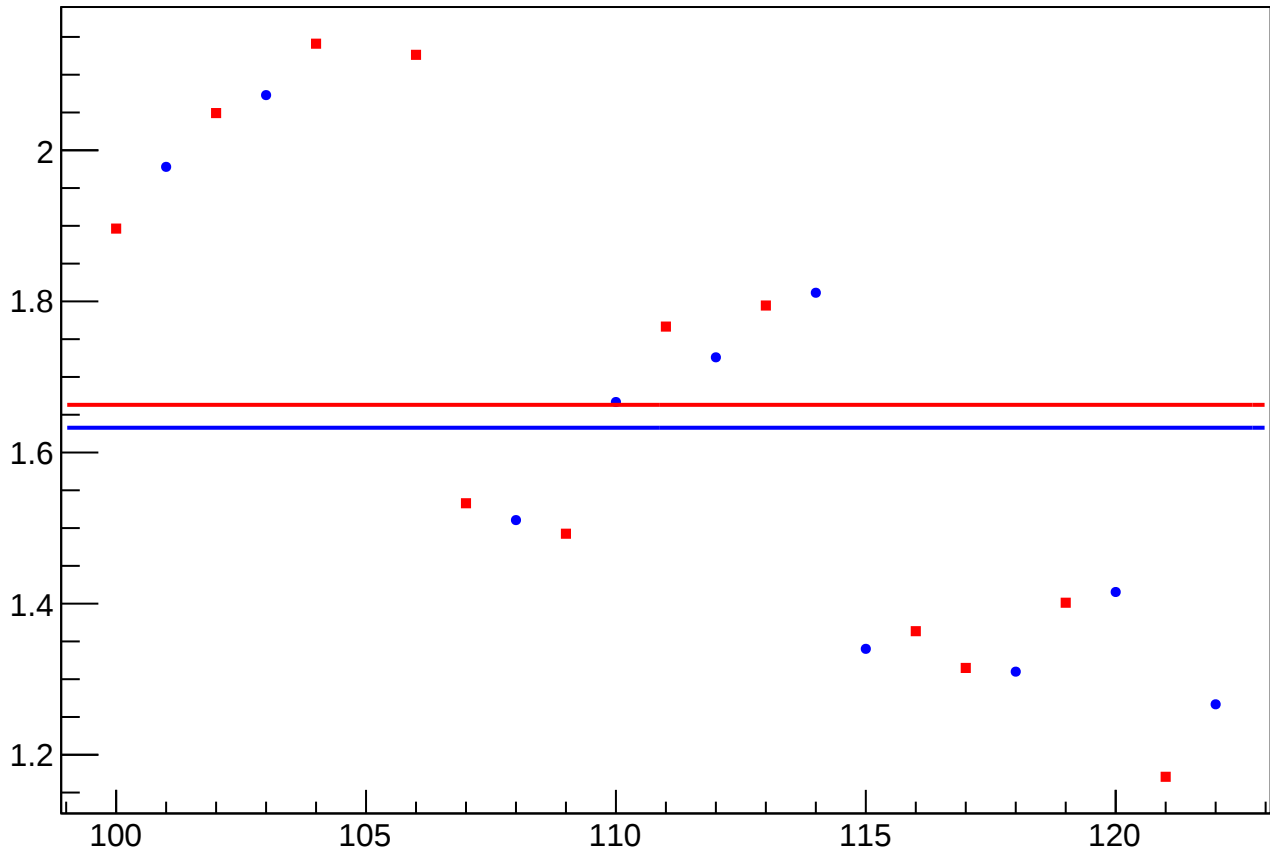
Right Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 41042.7/11

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

0.008+/-0.000  $\chi^2/\text{NDF}$ : 45444.1/9

0.008+/-0.000  $\chi^2/\text{NDF}$ : 41042.7/11

# yield\_bpm0i02aX\_mean vs Slug



Right In: 1.633+/-0.000  $\chi^2/\text{NDF}$ : 1939816599.3/9

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

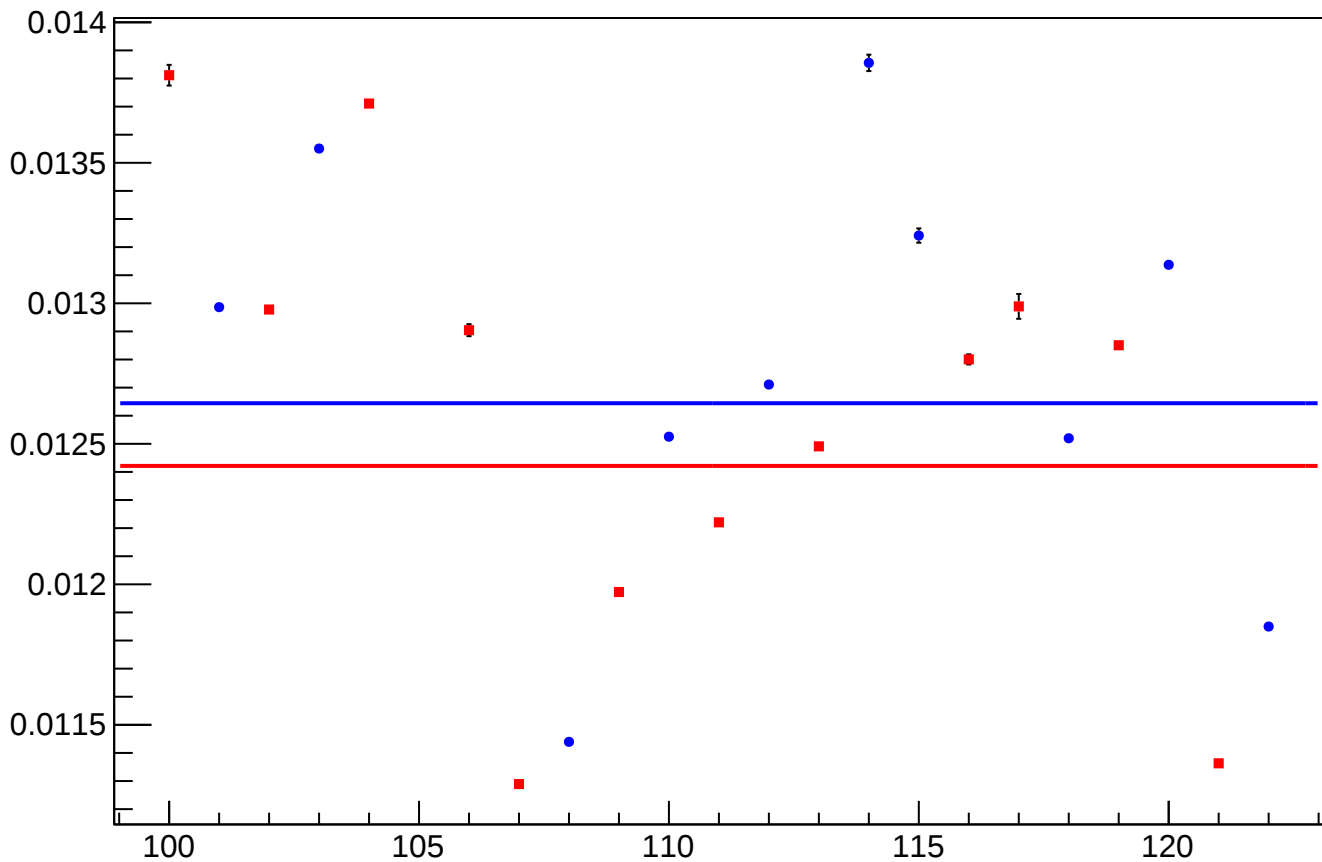
1.633+/-0.000  $\chi^2/\text{NDF}$ : 1939816599.3/9

Right Out: 1.663+/-0.000  $\chi^2/\text{NDF}$ : 2635615999.0/11

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

1.663+/-0.000  $\chi^2/\text{NDF}$ : 2635615999.0/11

# yield\_bpm0i02aX\_rms vs Slug



Right In: 0.013+/-0.000  $\chi^2/\text{NDF}$ : 21040.2/9

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

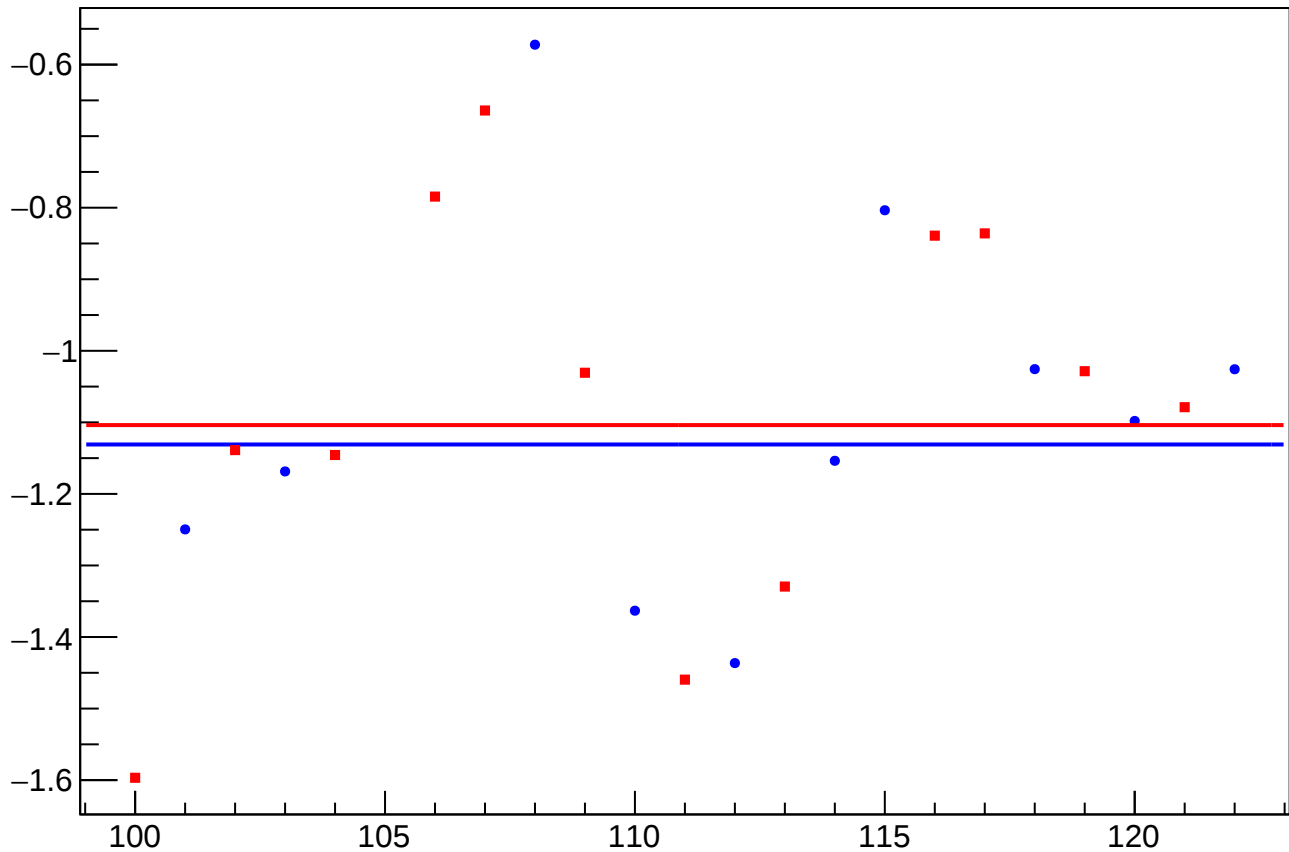
Right Out: 0.012+/-0.000  $\chi^2/\text{NDF}$ : 29562.1/11

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

0.013+/-0.000  $\chi^2/\text{NDF}$ : 21040.2/9

0.012+/-0.000  $\chi^2/\text{NDF}$ : 29562.1/11

# yield\_bpm0i02aY\_mean vs Slug



Right In:  $-1.131 \pm 0.000$   $\chi^2/\text{NDF}: 2304513821.2/9$

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

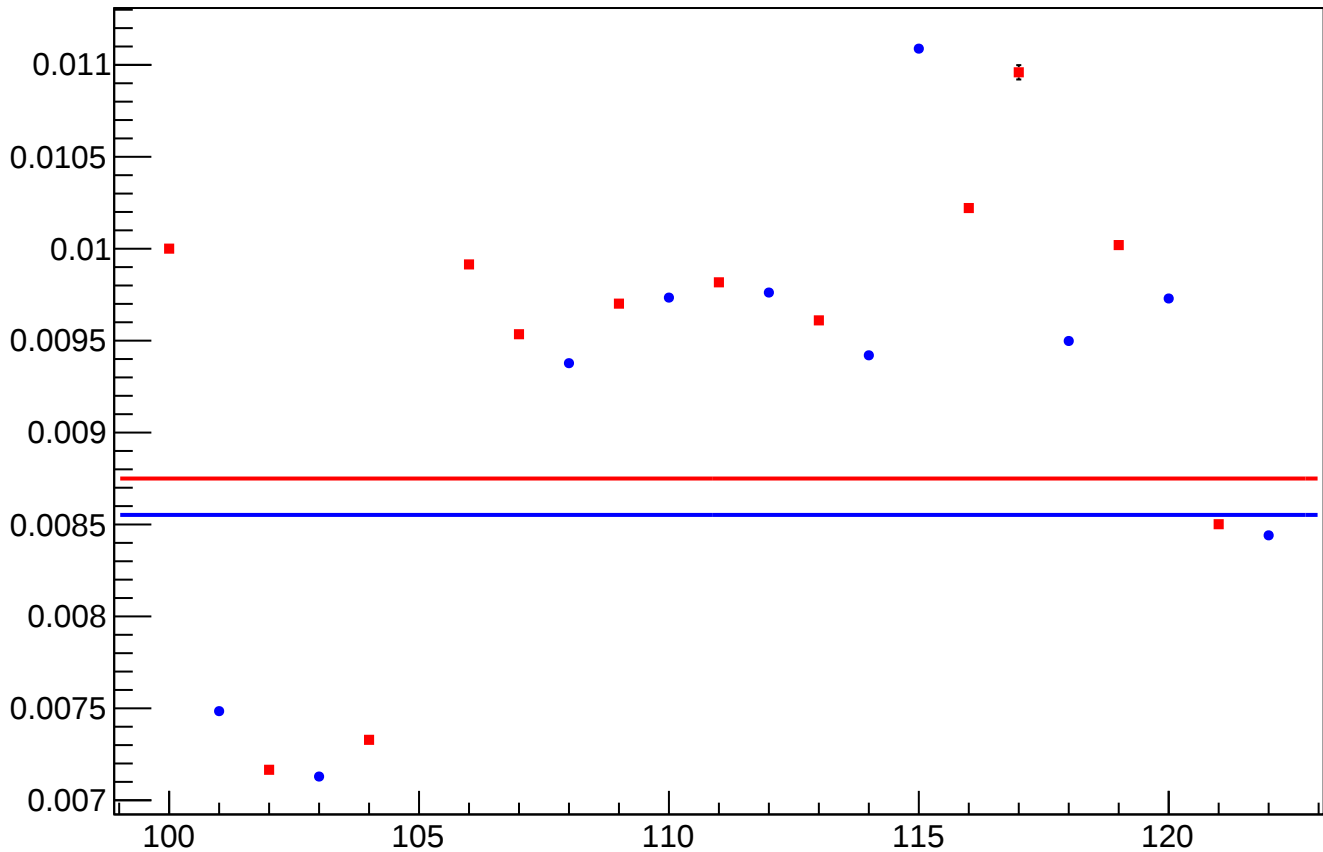
Right Out:  $-1.104 \pm 0.000$   $\chi^2/\text{NDF}: 2082785836.2/11$

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

$-1.131 \pm 0.000$   $\chi^2/\text{NDF}: 2304513821.2/9$

$-1.104 \pm 0.000$   $\chi^2/\text{NDF}: 2082785836.2/11$

# yield\_bpm0i02aY\_rms vs Slug



Right In: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 130198.9/9

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

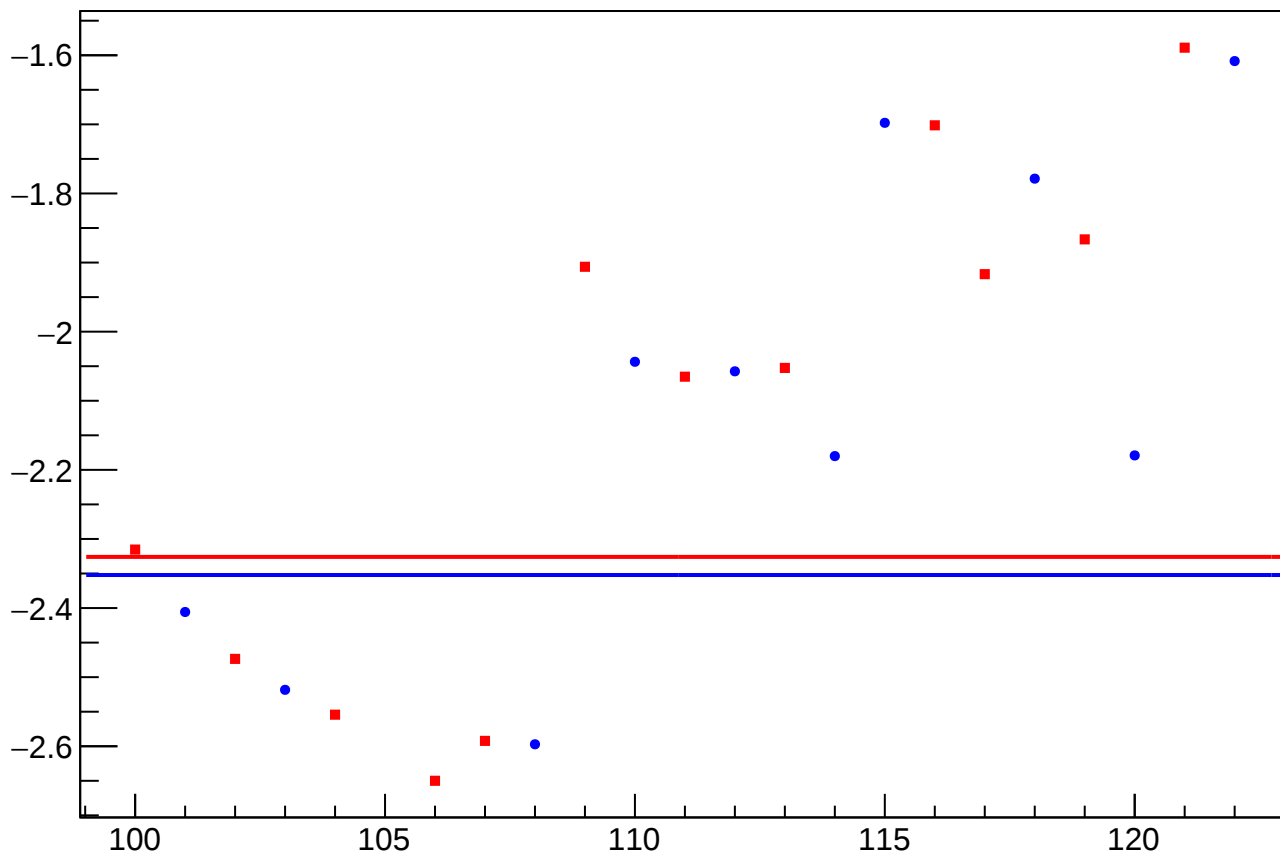
Right Out: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 152058.1/11

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

0.009+/-0.000  $\chi^2/\text{NDF}$ : 130198.9/9

0.009+/-0.000  $\chi^2/\text{NDF}$ : 152058.1/11

# yield\_bpm0i05X\_mean vs Slug



Right In:  $-2.352 \pm 0.000$   $\chi^2/\text{NDF}: 4721969766.6/9$

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

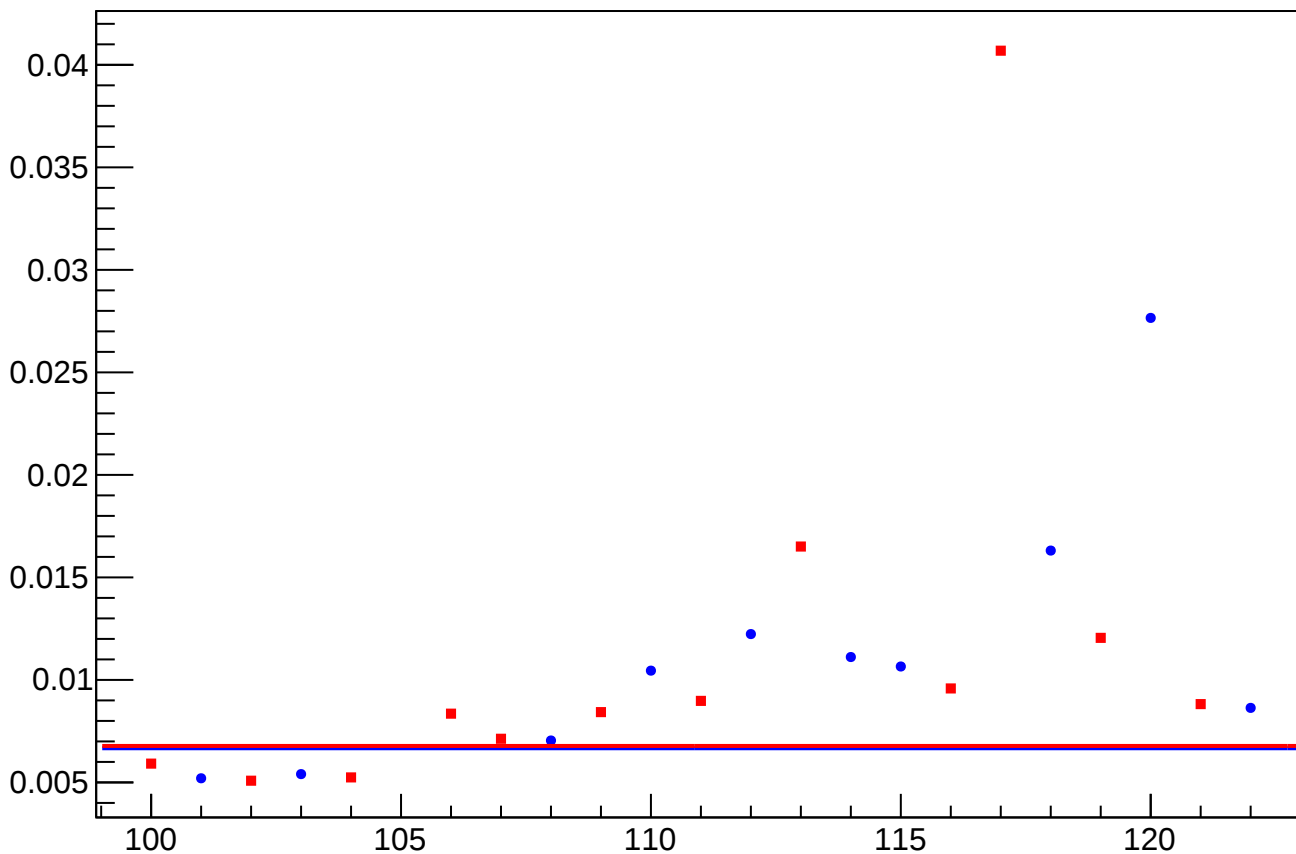
Right Out:  $-2.326 \pm 0.000$   $\chi^2/\text{NDF}: 7149594518.1/11$

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

$-2.352 \pm 0.000$   $\chi^2/\text{NDF}: 4721969766.6/9$

$-2.326 \pm 0.000$   $\chi^2/\text{NDF}: 7149594518.1/11$

# yield\_bpm0i05X\_rms vs Slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 917160.5/9

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

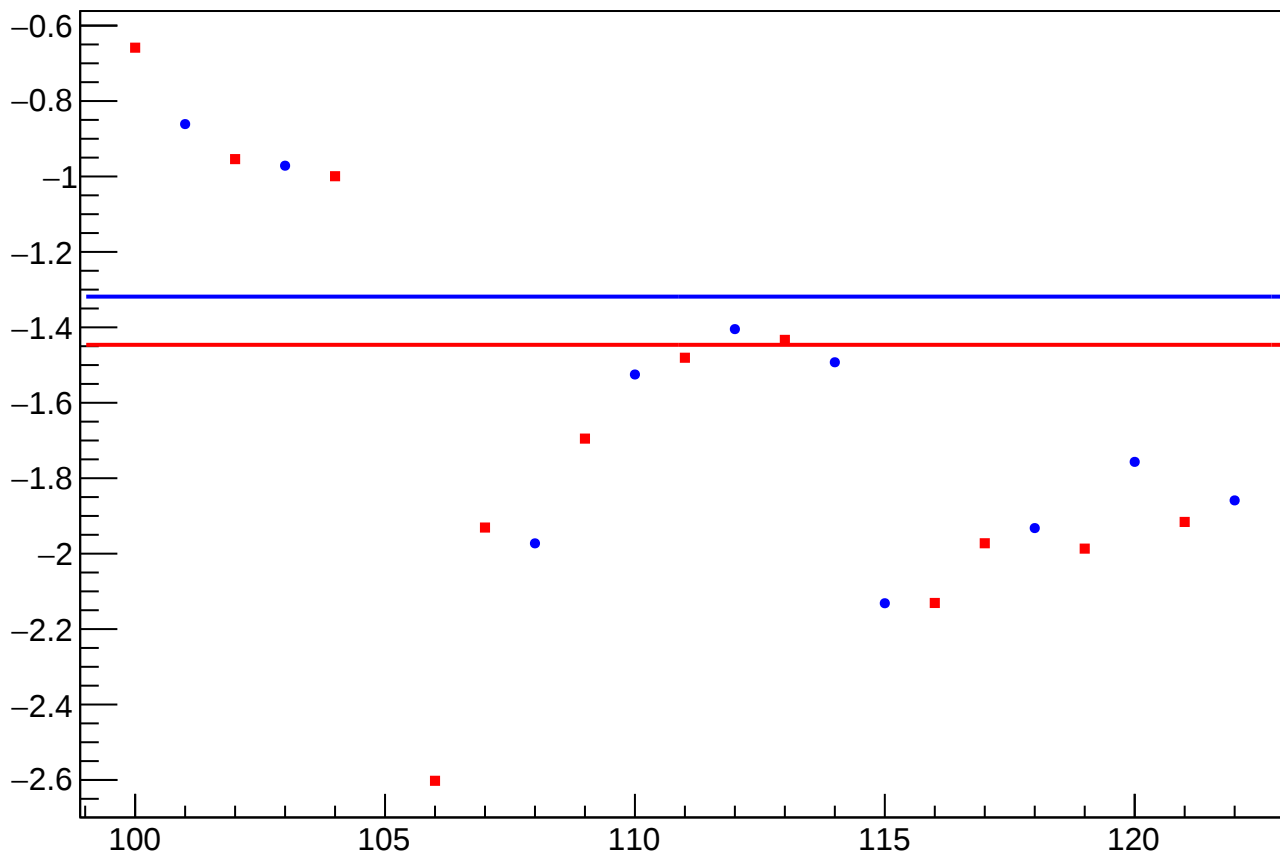
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 712608.8/11

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

0.007+/-0.000  $\chi^2/\text{NDF}$ : 917160.5/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 712608.8/11

# yield\_bpm0i05Y\_mean vs Slug



Right In: -1.319+/-0.000  $\chi^2/\text{NDF}$ : 15062538028.3/9

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

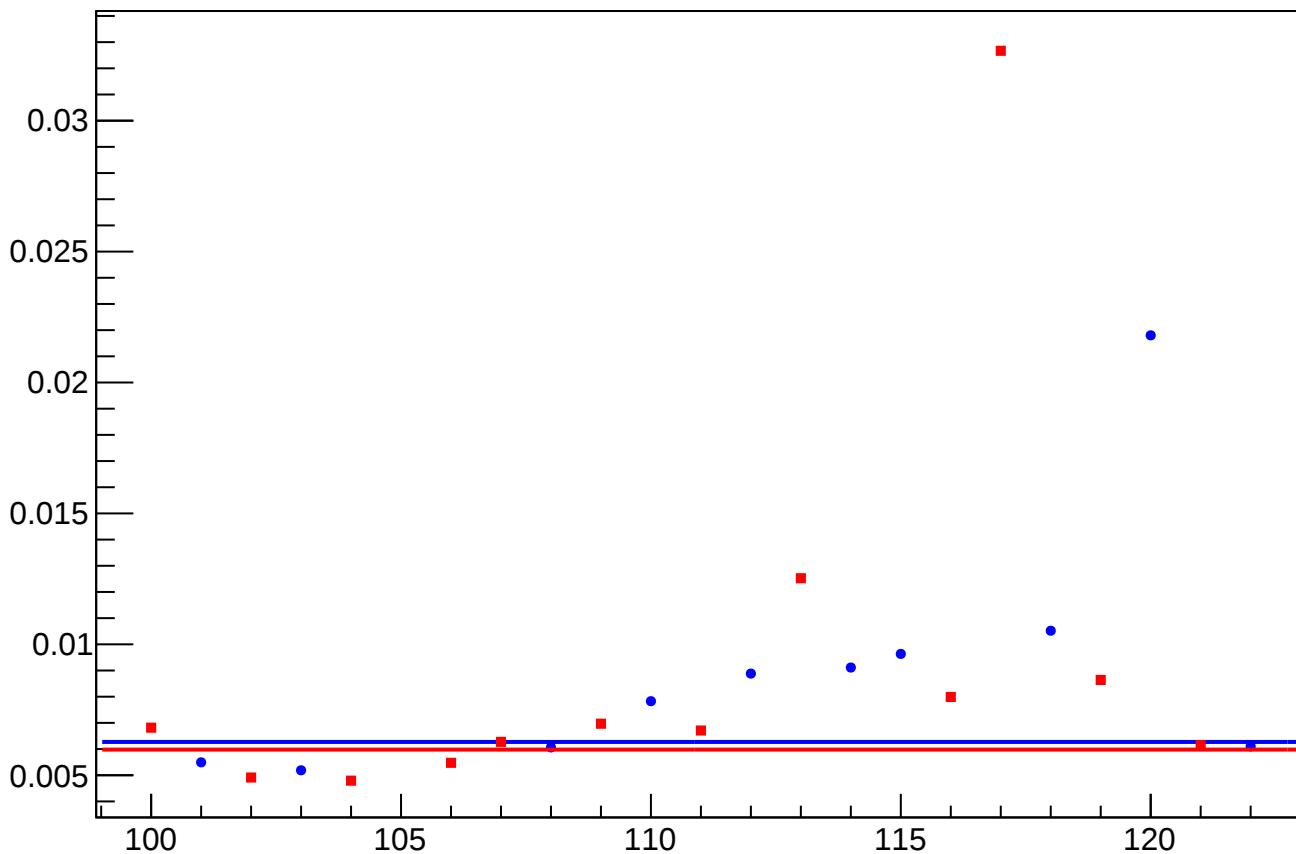
Right Out: -1.446+/-0.000  $\chi^2/\text{NDF}$ : 22940583651.5/11

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

-1.319+/-0.000  $\chi^2/\text{NDF}$ : 15062538028.3/9

-1.446+/-0.000  $\chi^2/\text{NDF}$ : 22940583651.5/11

# yield\_bpm0i05Y\_rms vs Slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 518907.5/9

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

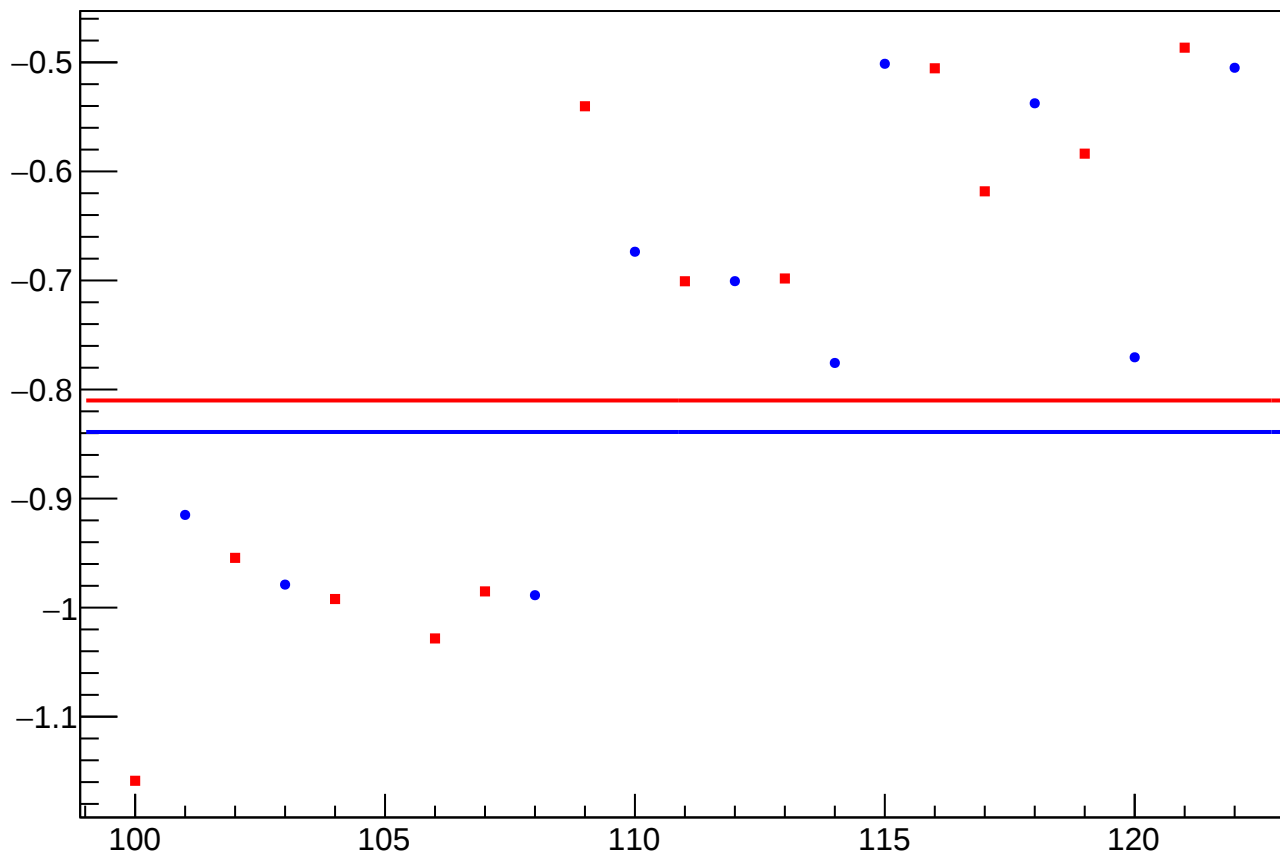
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 394821.5/11

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

0.006+/-0.000  $\chi^2/\text{NDF}$ : 518907.5/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 394821.5/11

# yield\_bpm0i07X\_mean vs Slug



Right In: -0.839+/-0.000  $\chi^2/\text{NDF}$ : 3622833325.8/9

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

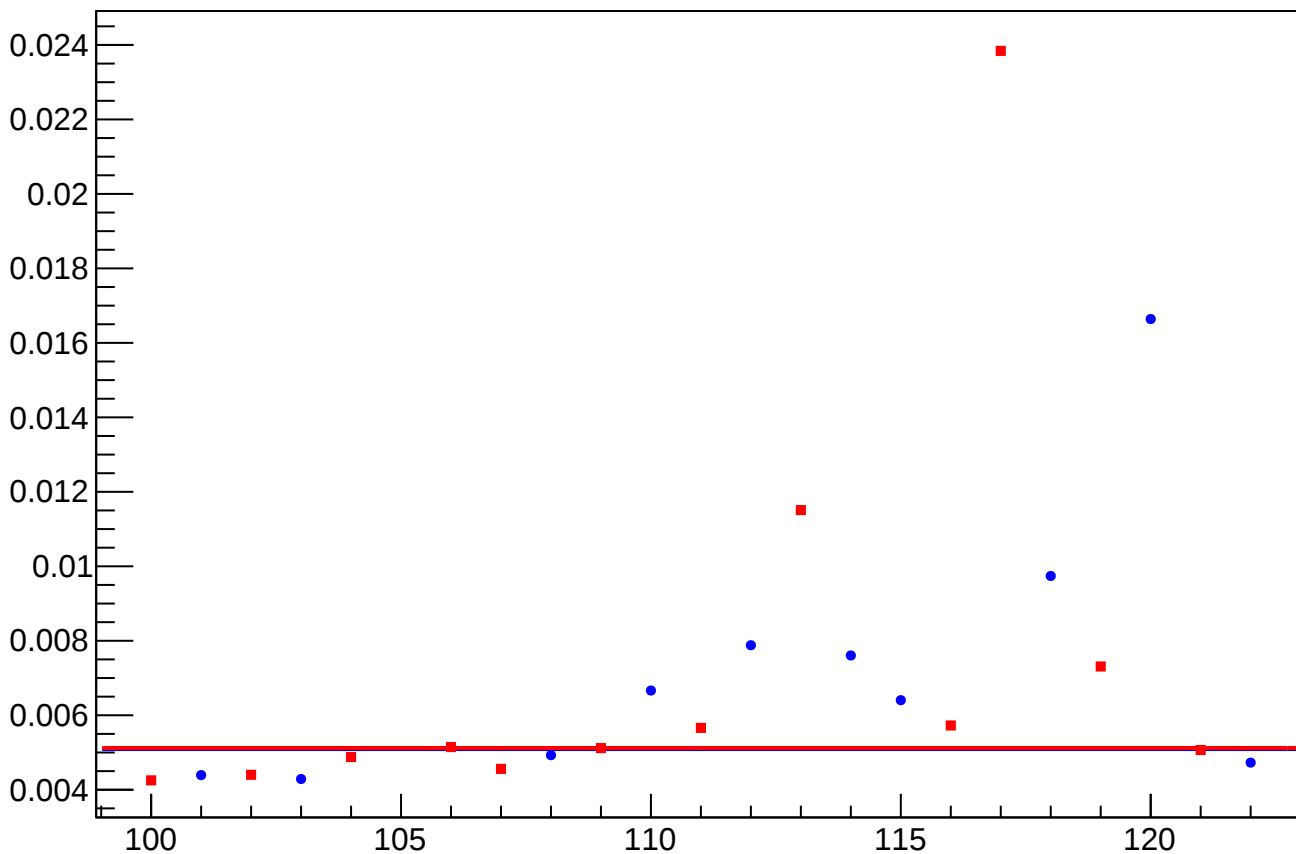
Right Out: -0.810+/-0.000  $\chi^2/\text{NDF}$ : 6054722811.5/11

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

-0.839+/-0.000  $\chi^2/\text{NDF}$ : 3622833325.8/9

-0.810+/-0.000  $\chi^2/\text{NDF}$ : 6054722811.5/11

# yield\_bpm0i07X\_rms vs Slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 587433.5/9

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

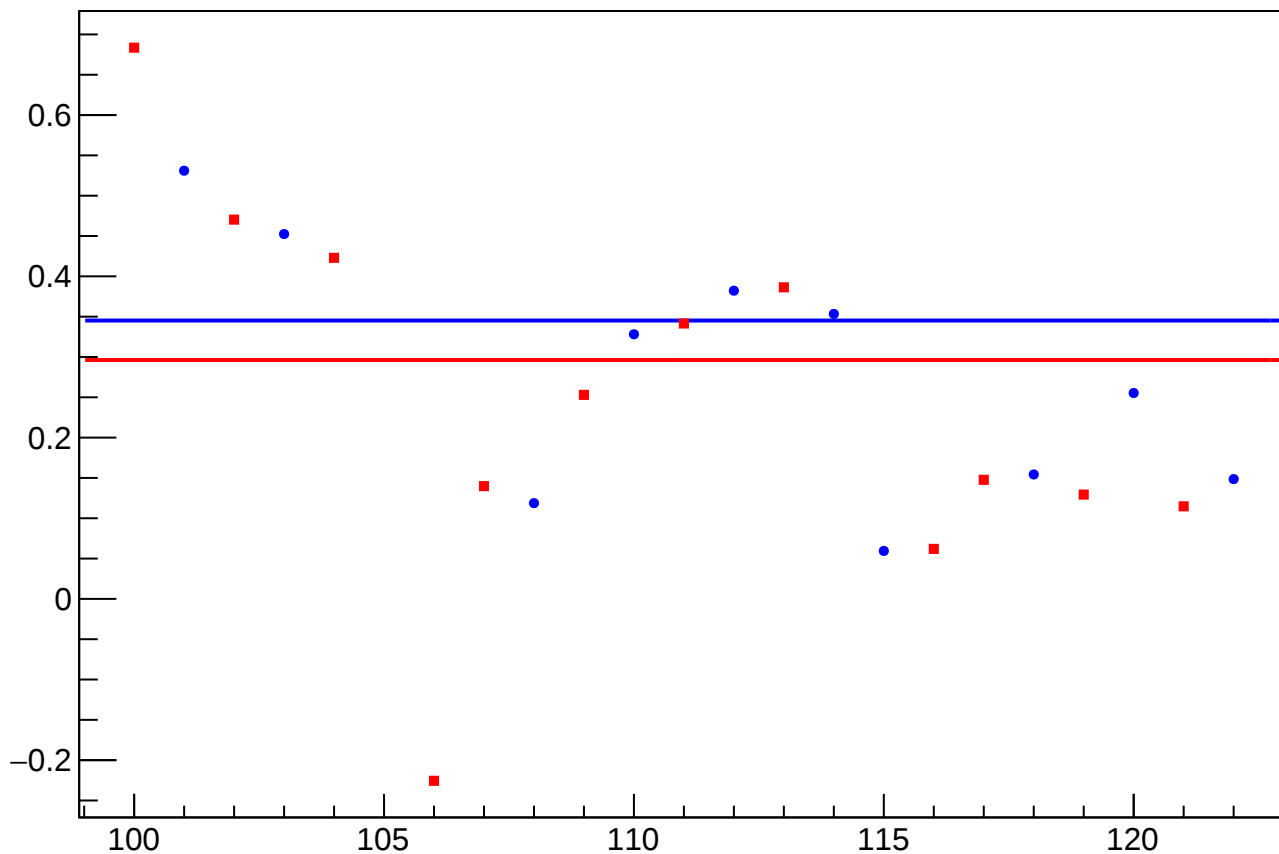
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 332709.8/11

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

0.005+/-0.000  $\chi^2/\text{NDF}$ : 587433.5/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 332709.8/11

# yield\_bpm0i07Y\_mean vs Slug



Right In: 0.345+/-0.000  $\chi^2/\text{NDF}$ : 4610933064.5/9

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

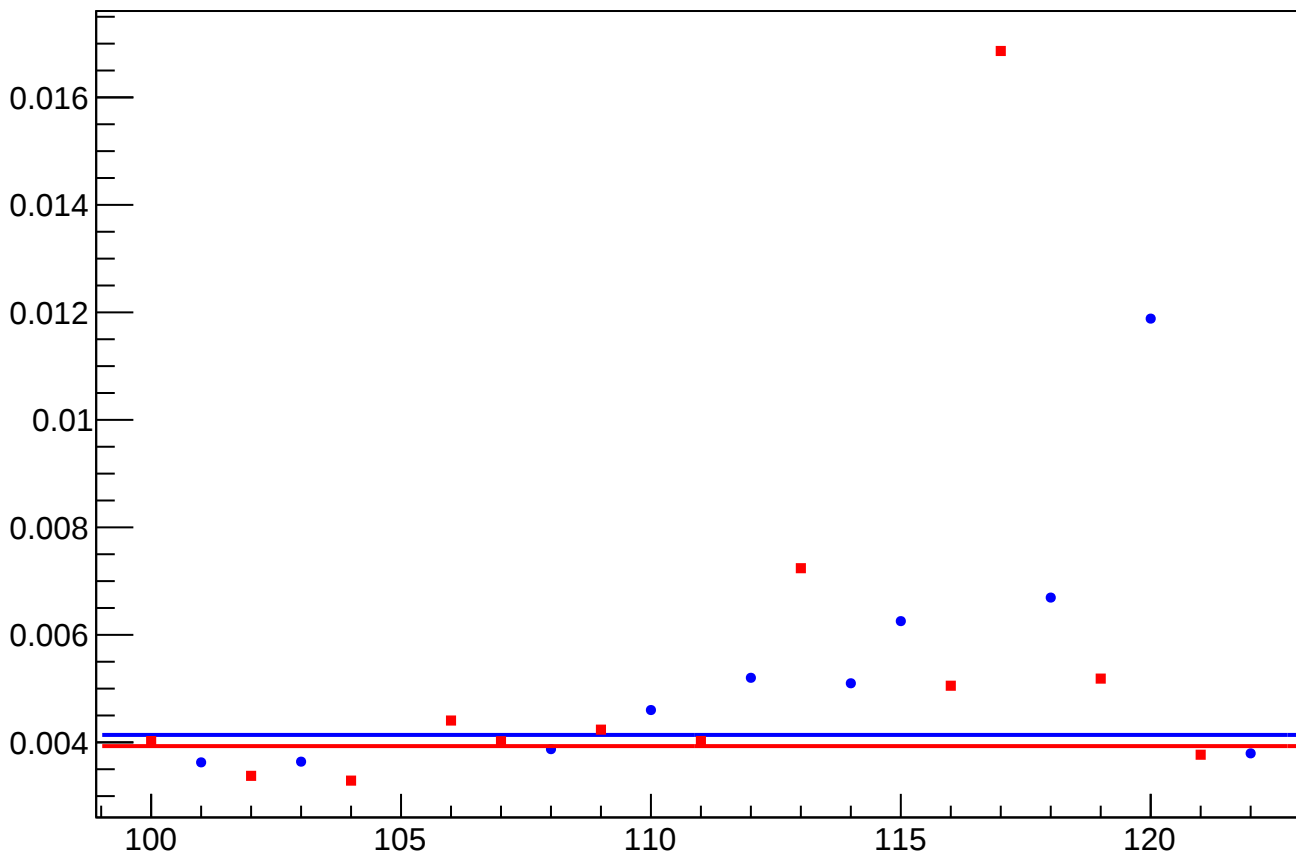
Right Out: 0.296+/-0.000  $\chi^2/\text{NDF}$ : 6827501205.3/11

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

0.345+/-0.000  $\chi^2/\text{NDF}$ : 4610933064.5/9

0.296+/-0.000  $\chi^2/\text{NDF}$ : 6827501205.3/11

# yield\_bpm0i07Y\_rms vs Slug



Right In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 427365.2/9

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

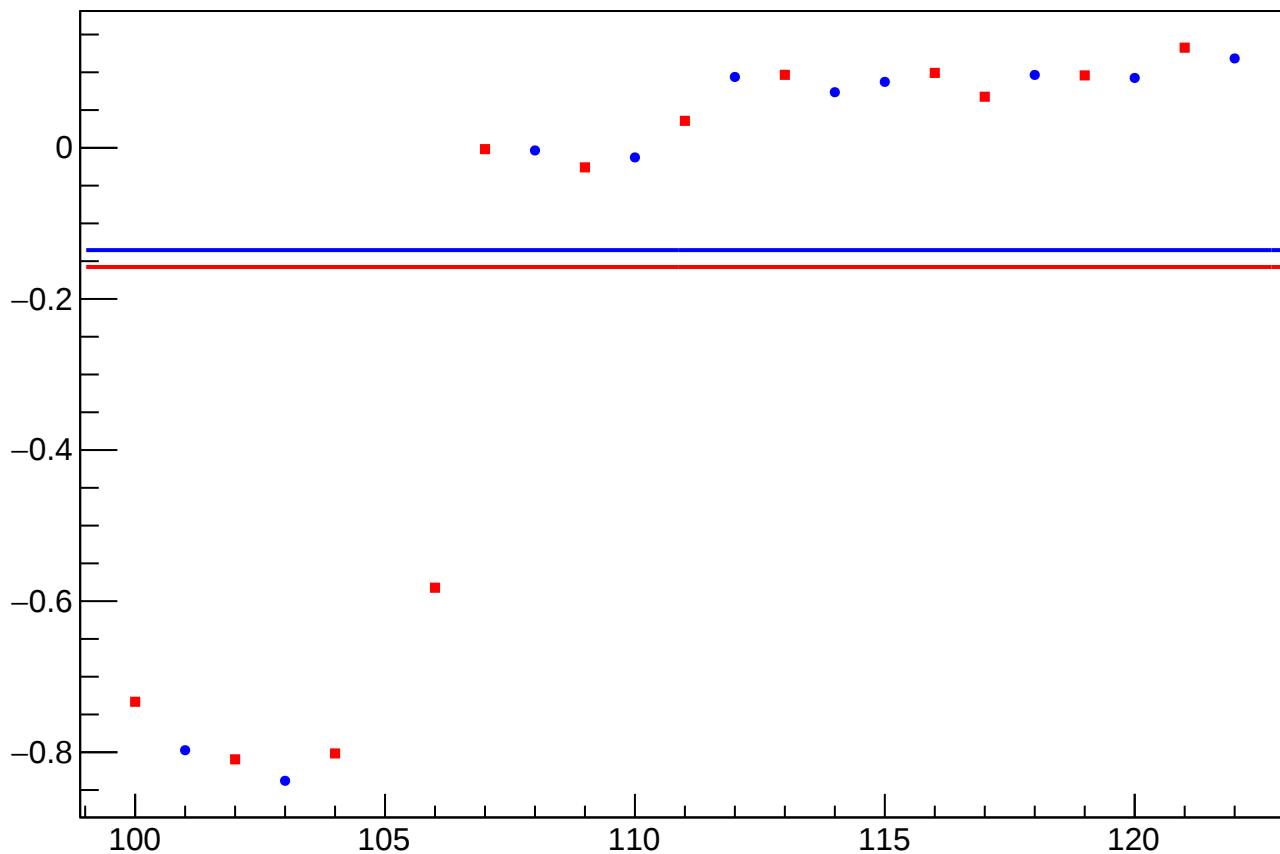
Right Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 278708.0/11

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

0.004+/-0.000  $\chi^2/\text{NDF}$ : 427365.2/9

0.004+/-0.000  $\chi^2/\text{NDF}$ : 278708.0/11

yield\_bpm1i02X\_mean vs Slug



Right In: -0.135+/-0.000  $\chi^2/\text{NDF}$ : 4705999930.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

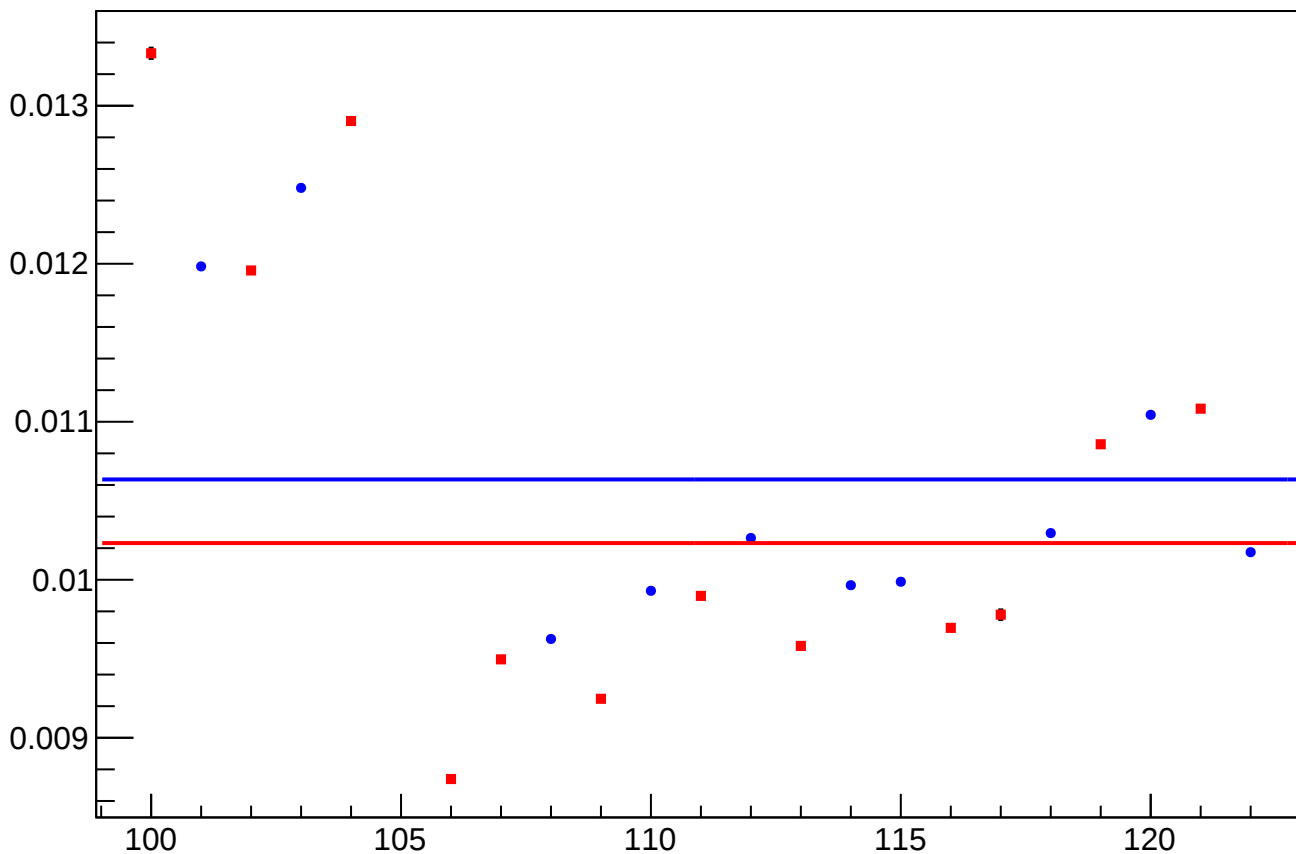
Right Out: -0.158+/-0.000  $\chi^2/\text{NDF}$ : 5104623692.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.135+/-0.000  $\chi^2/\text{NDF}$ : 4705999930.7/9

-0.158+/-0.000  $\chi^2/\text{NDF}$ : 5104623692.6/11

# yield\_bpm1i02X\_rms vs Slug



Right In: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 58420.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

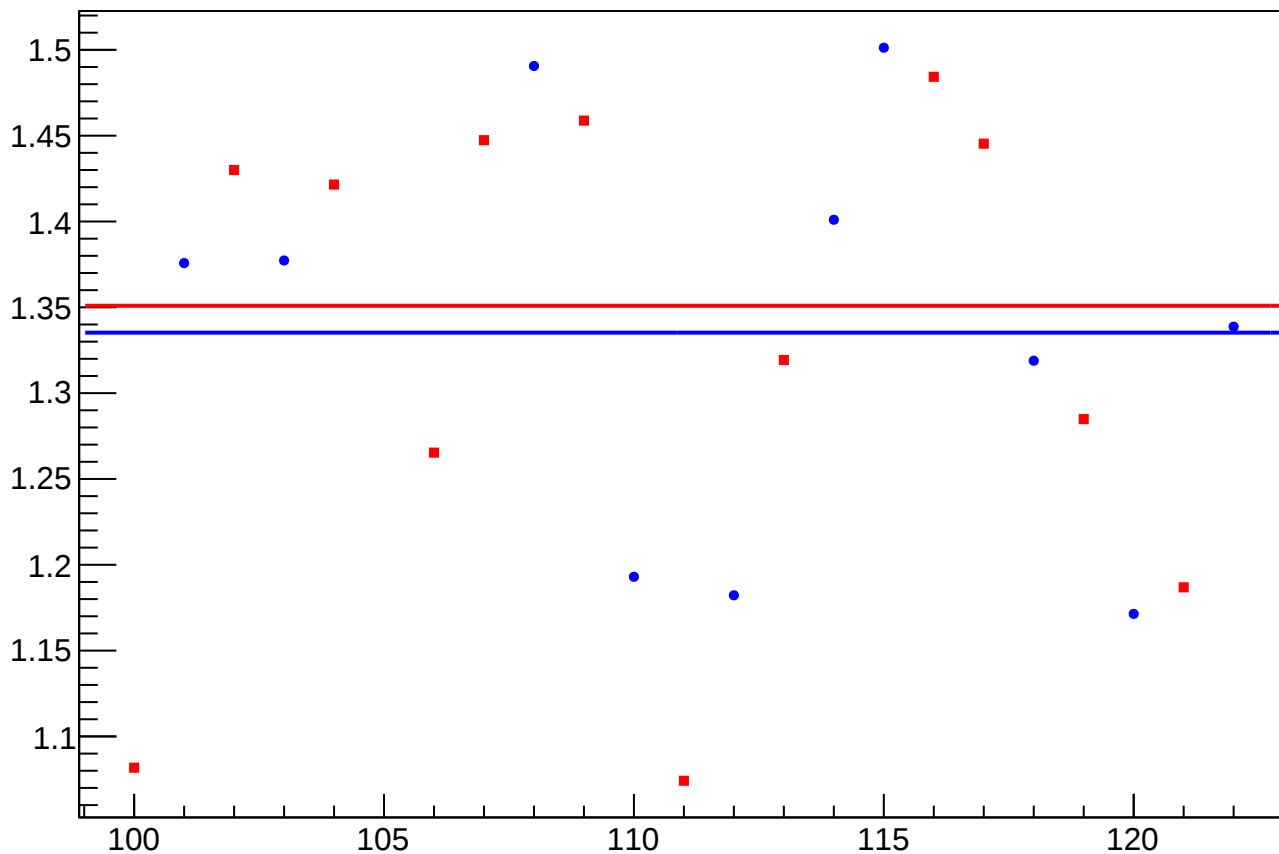
Right Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 120674.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.011+/-0.000  $\chi^2/\text{NDF}$ : 58420.5/9

0.010+/-0.000  $\chi^2/\text{NDF}$ : 120674.8/11

# yield\_bpm1i02Y\_mean vs Slug



Right In: 1.335+/-0.000  $\chi^2/\text{NDF}$ : 722516075.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

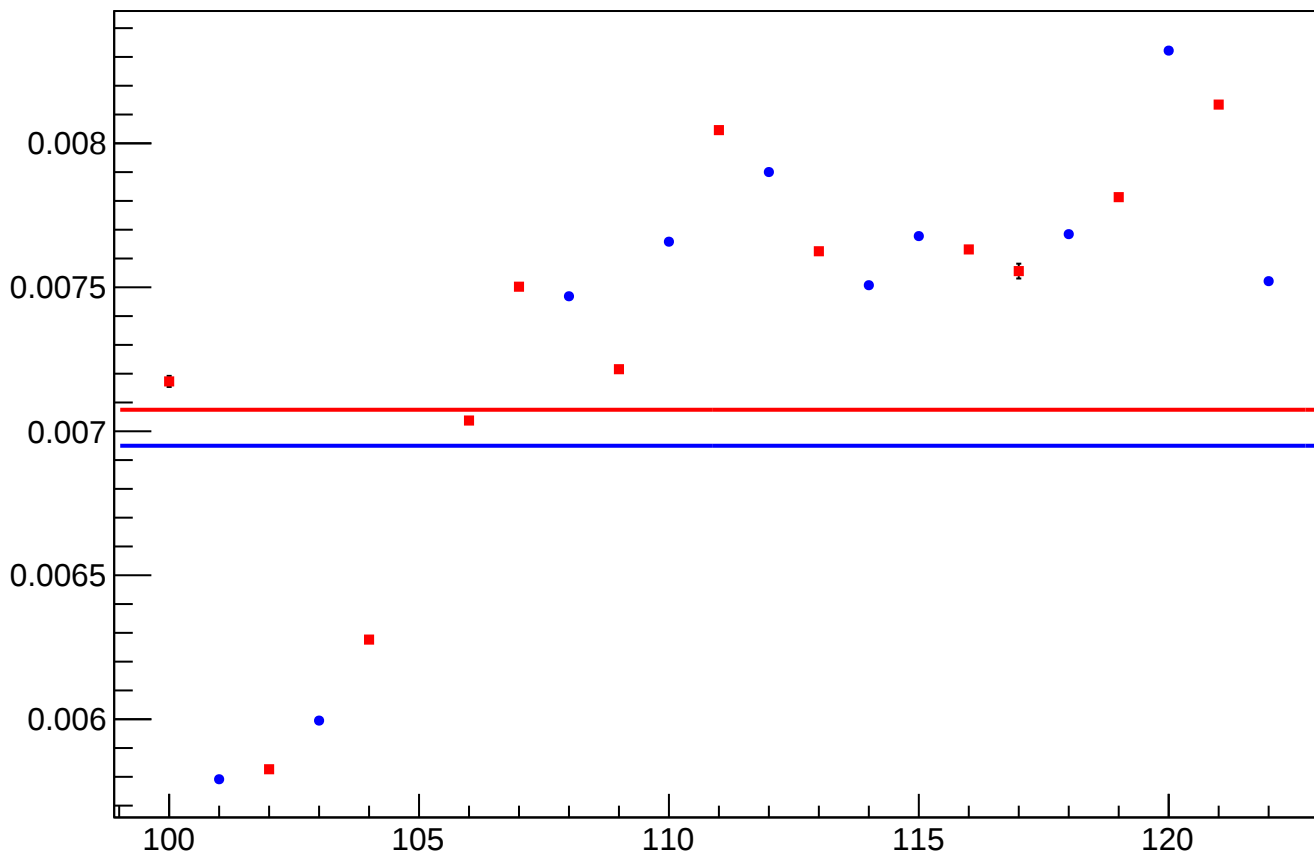
Right Out: 1.351+/-0.000  $\chi^2/\text{NDF}$ : 1265628933.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.335+/-0.000  $\chi^2/\text{NDF}$ : 722516075.3/9

1.351+/-0.000  $\chi^2/\text{NDF}$ : 1265628933.0/11

# yield\_bpm1i02Y\_rms vs Slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 133661.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

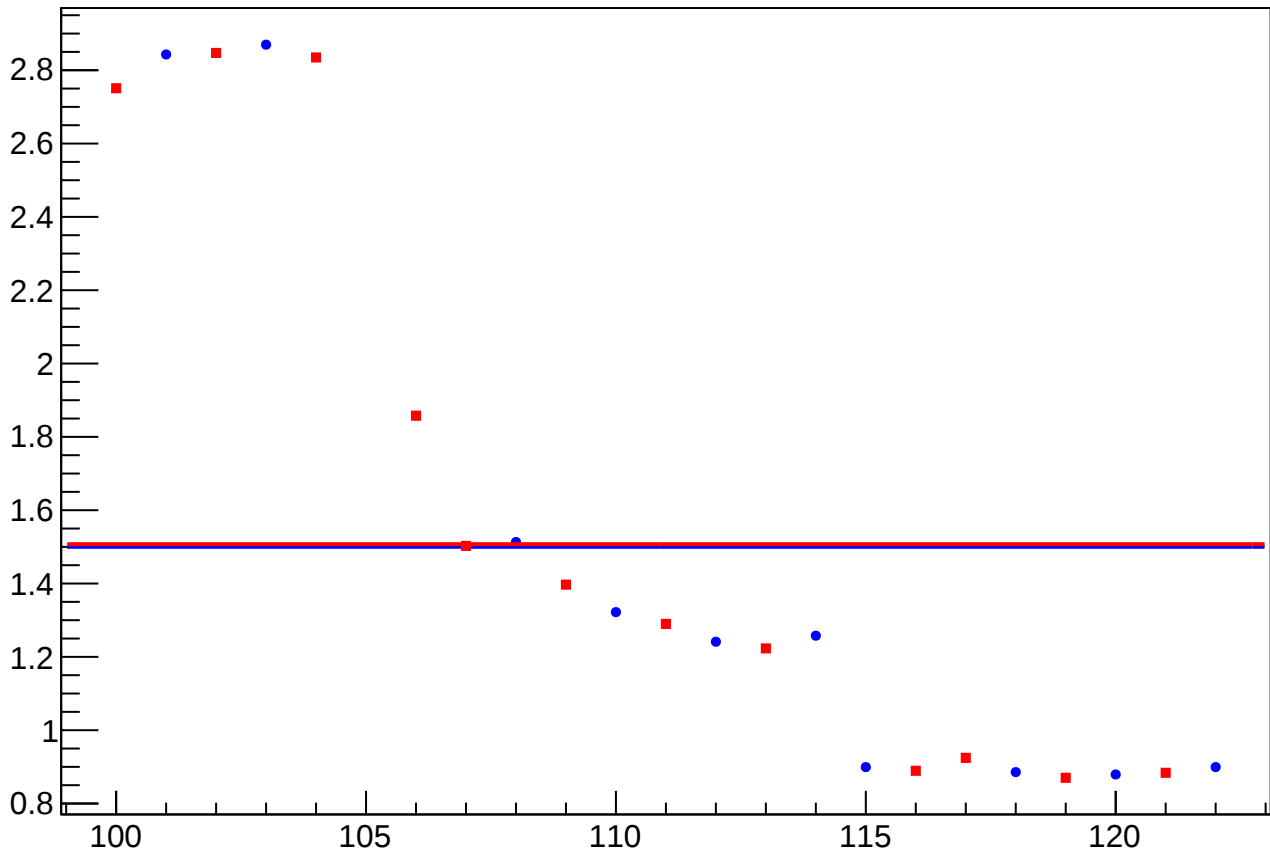
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 110315.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 133661.3/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 110315.2/11

# yield\_bpm1i04X\_mean vs Slug



Right In: 1.500+/-0.000  $\chi^2/\text{NDF}$ : 44370682065.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

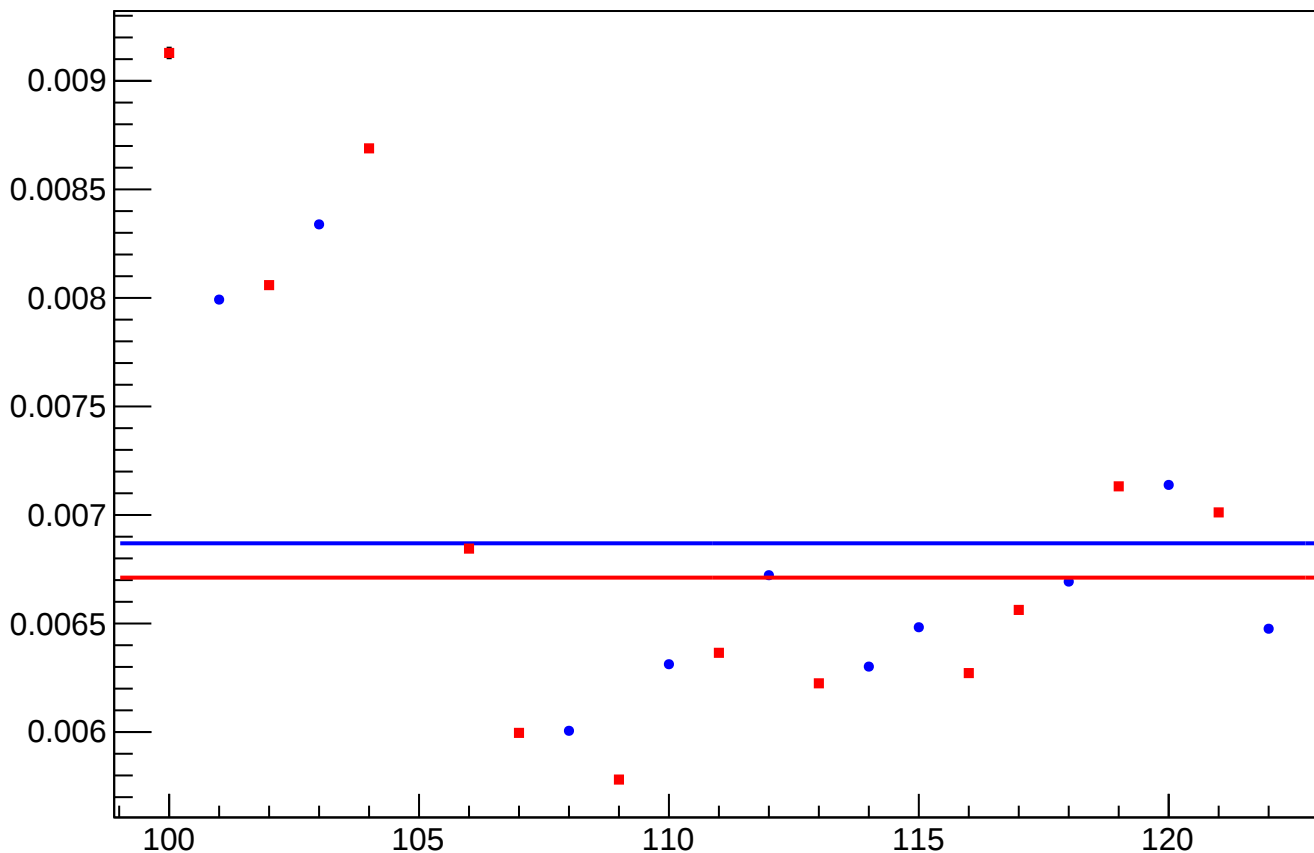
1.500+/-0.000  $\chi^2/\text{NDF}$ : 44370682065.0/9

Right Out: 1.507+/-0.000  $\chi^2/\text{NDF}$ : 40126593188.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.507+/-0.000  $\chi^2/\text{NDF}$ : 40126593188.0/11

# yield\_bpm1i04X\_rms vs Slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 87127.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

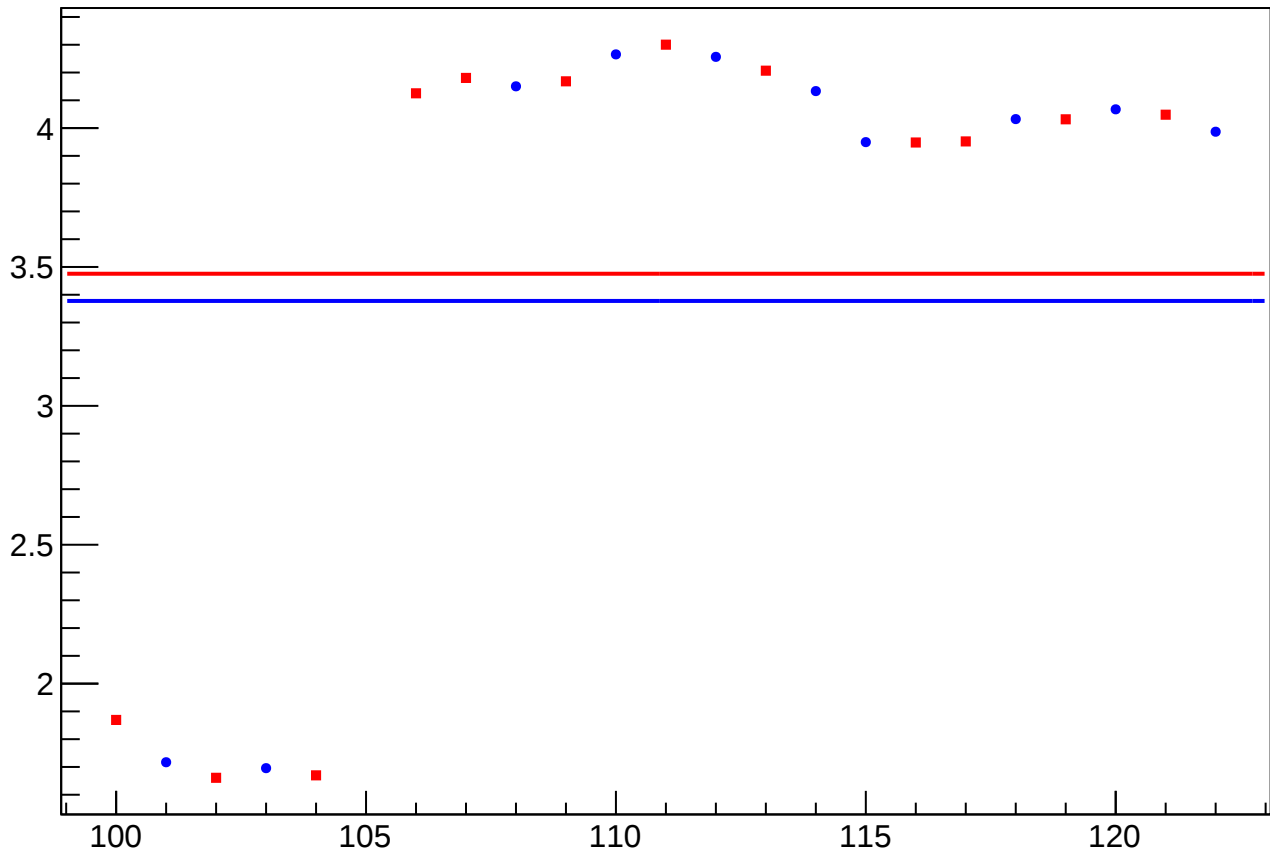
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 143725.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 87127.1/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 143725.1/11

yield\_bpm1i04Y\_mean vs Slug



Right In: 3.378+/-0.000  $\chi^2/\text{NDF}$ : 167432986835.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

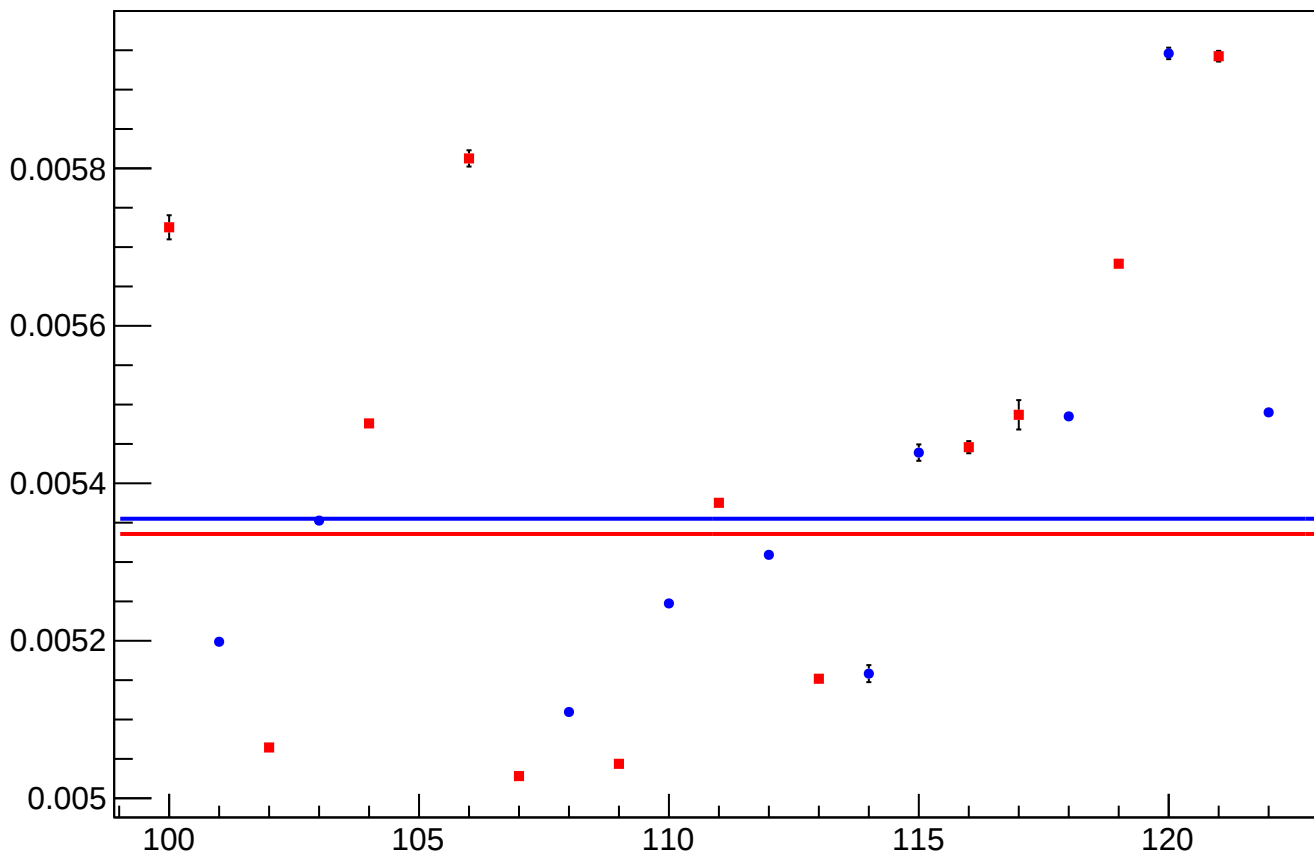
3.378+/-0.000  $\chi^2/\text{NDF}$ : 167432986835.5/9

Right Out: 3.476+/-0.000  $\chi^2/\text{NDF}$ : 177257462752.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.476+/-0.000  $\chi^2/\text{NDF}$ : 177257462752.8/11

# yield\_bpm1i04Y\_rms vs Slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 11188.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

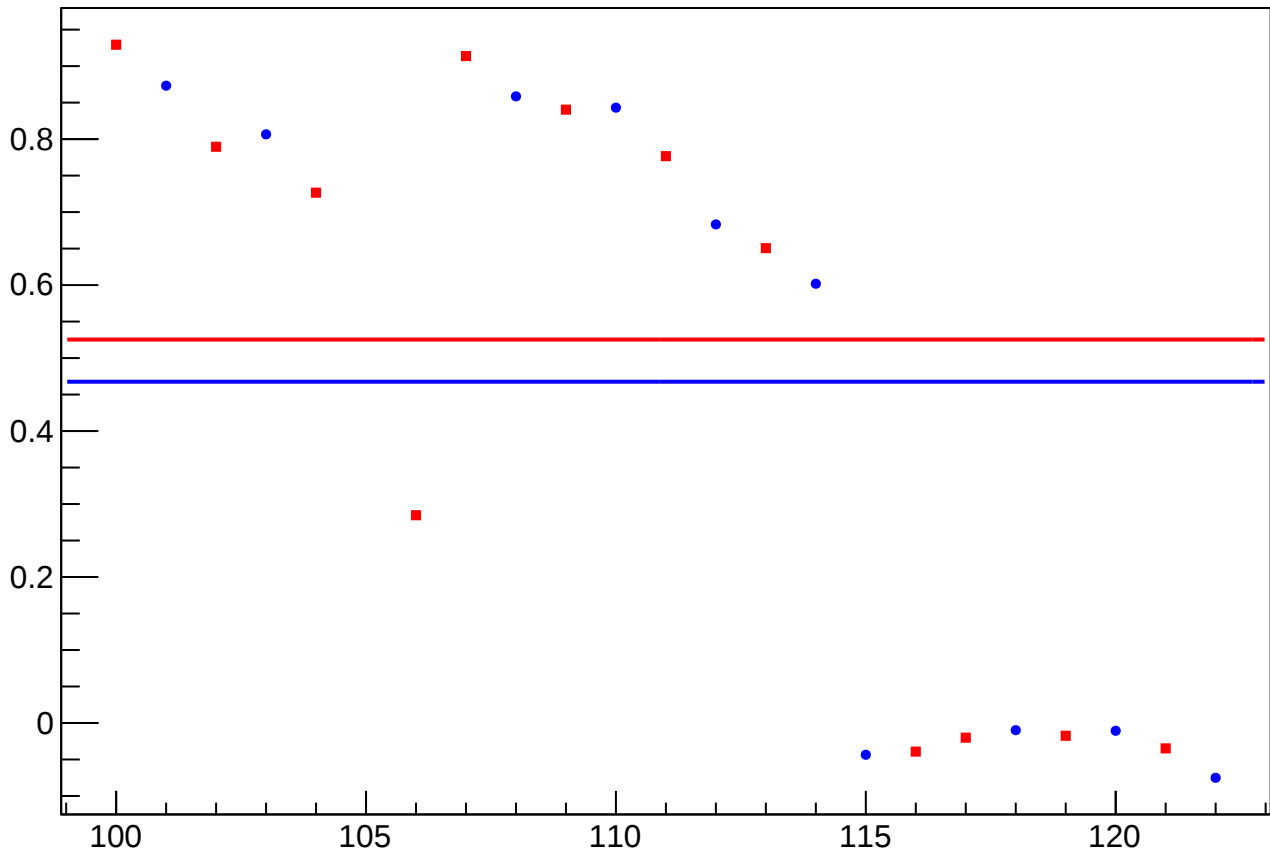
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 25892.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 11188.2/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 25892.1/11

# yield\_bpm1i06X\_mean vs Slug



Right In: 0.468+/-0.000  $\chi^2/\text{NDF}$ : 3277659898.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

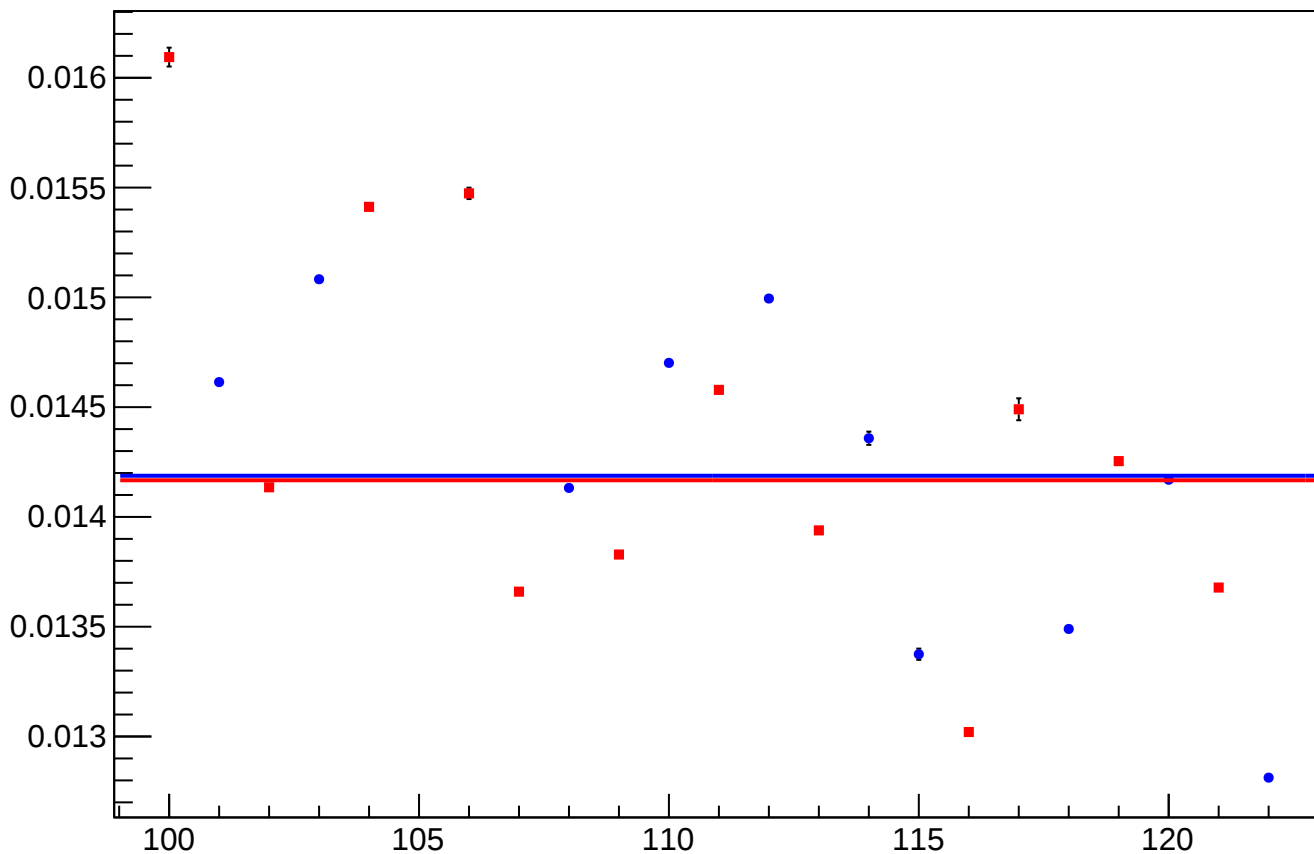
0.468+/-0.000  $\chi^2/\text{NDF}$ : 3277659898.9/9

Right Out: 0.525+/-0.000  $\chi^2/\text{NDF}$ : 2987662527.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.525+/-0.000  $\chi^2/\text{NDF}$ : 2987662527.5/11

# yield\_bpm1i06X\_rms vs Slug



Right In: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 21524.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

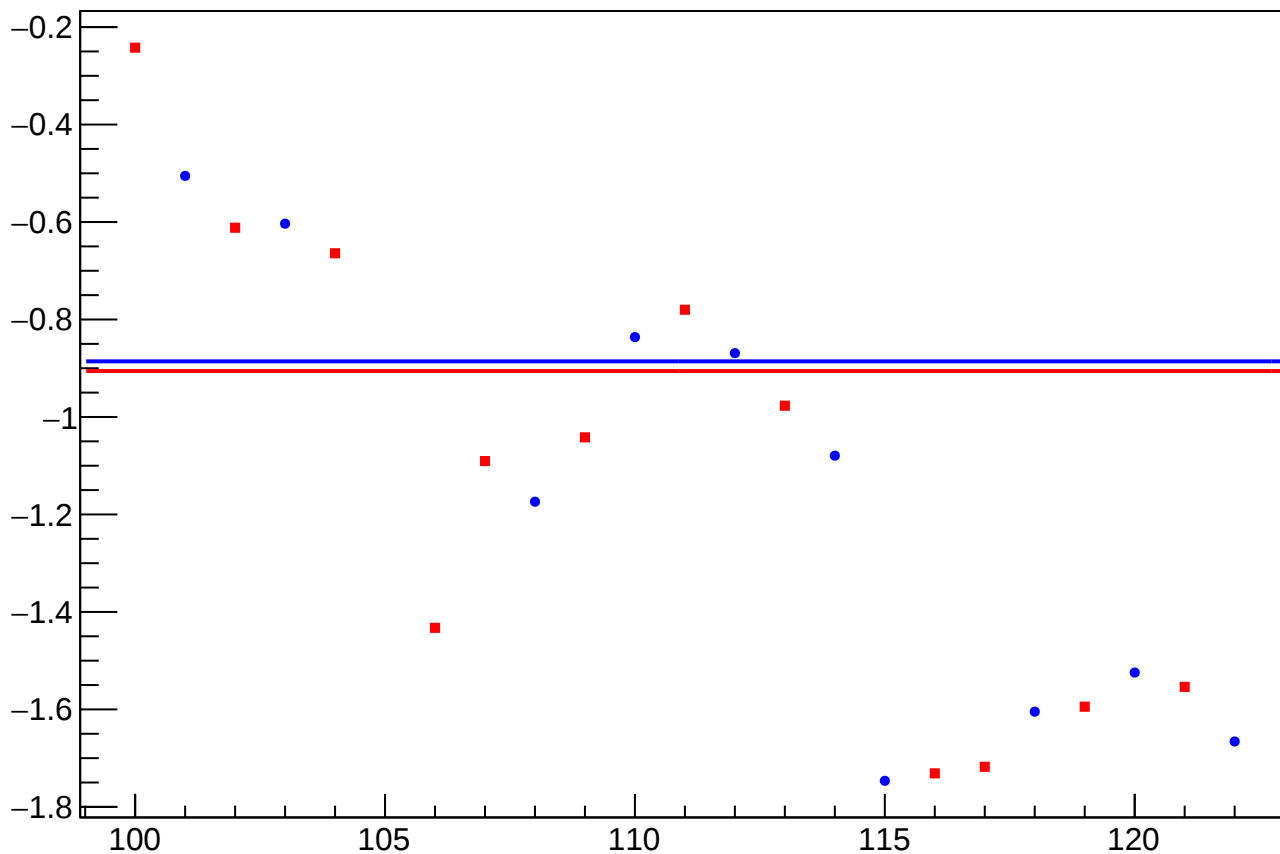
Right Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 18419.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.014+/-0.000  $\chi^2/\text{NDF}$ : 21524.8/9

0.014+/-0.000  $\chi^2/\text{NDF}$ : 18419.0/11

# yield\_bpm1i06Y\_mean vs Slug



Right In: -0.886+/-0.000  $\chi^2/\text{NDF}$ : 24342203104.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

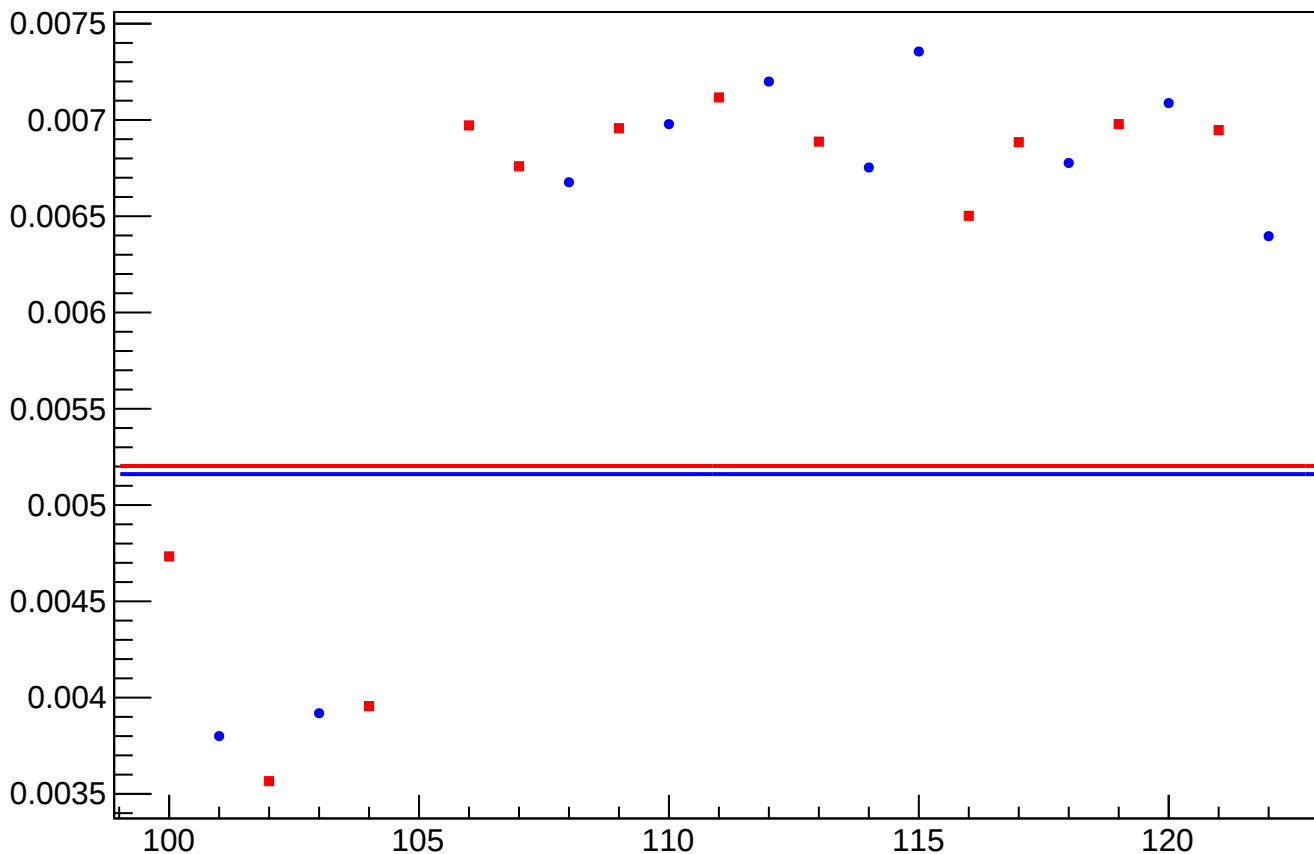
Right Out: -0.906+/-0.000  $\chi^2/\text{NDF}$ : 20091598004.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.886+/-0.000  $\chi^2/\text{NDF}$ : 24342203104.2/9

-0.906+/-0.000  $\chi^2/\text{NDF}$ : 20091598004.6/11

# yield\_bpm1i06Y\_rms vs Slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 557134.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

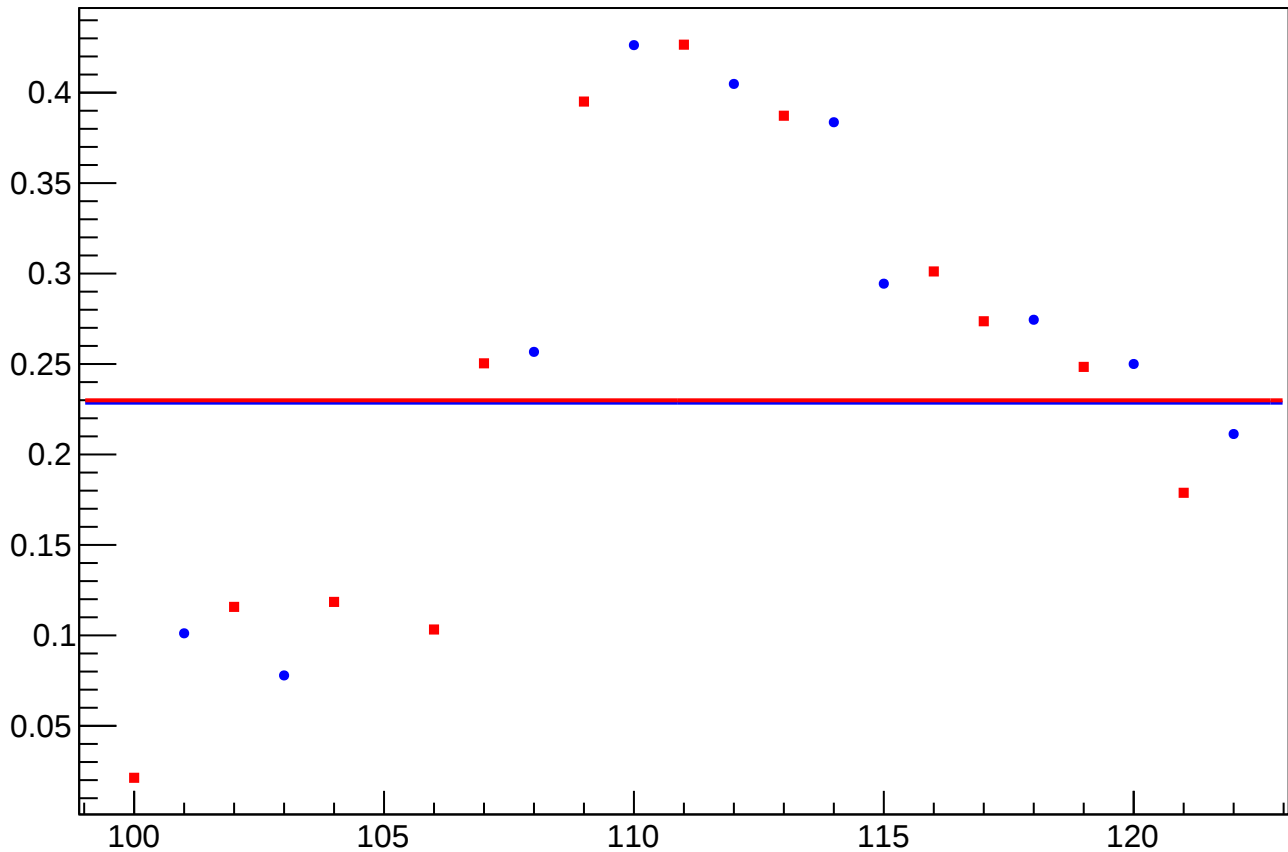
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 666510.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 557134.7/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 666510.8/11

# yield\_bpm2i01X\_mean vs Slug



Right In: 0.229+/-0.000  $\chi^2/\text{NDF}$ : 17937788299.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

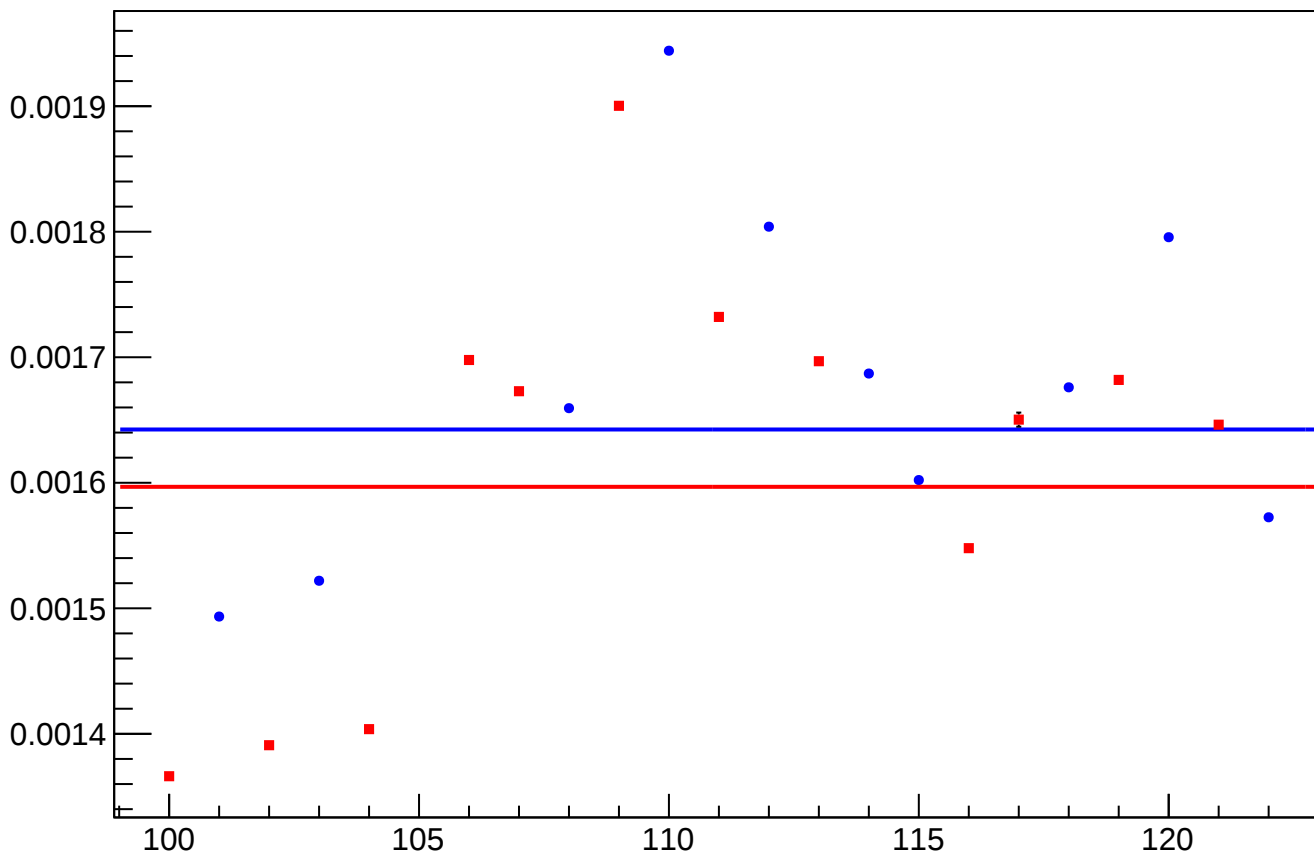
0.229+/-0.000  $\chi^2/\text{NDF}$ : 17937788299.0/9

Right Out: 0.230+/-0.000  $\chi^2/\text{NDF}$ : 23563435728.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.230+/-0.000  $\chi^2/\text{NDF}$ : 23563435728.4/11

# yield\_bpm2i01X\_rms vs Slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 45886.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

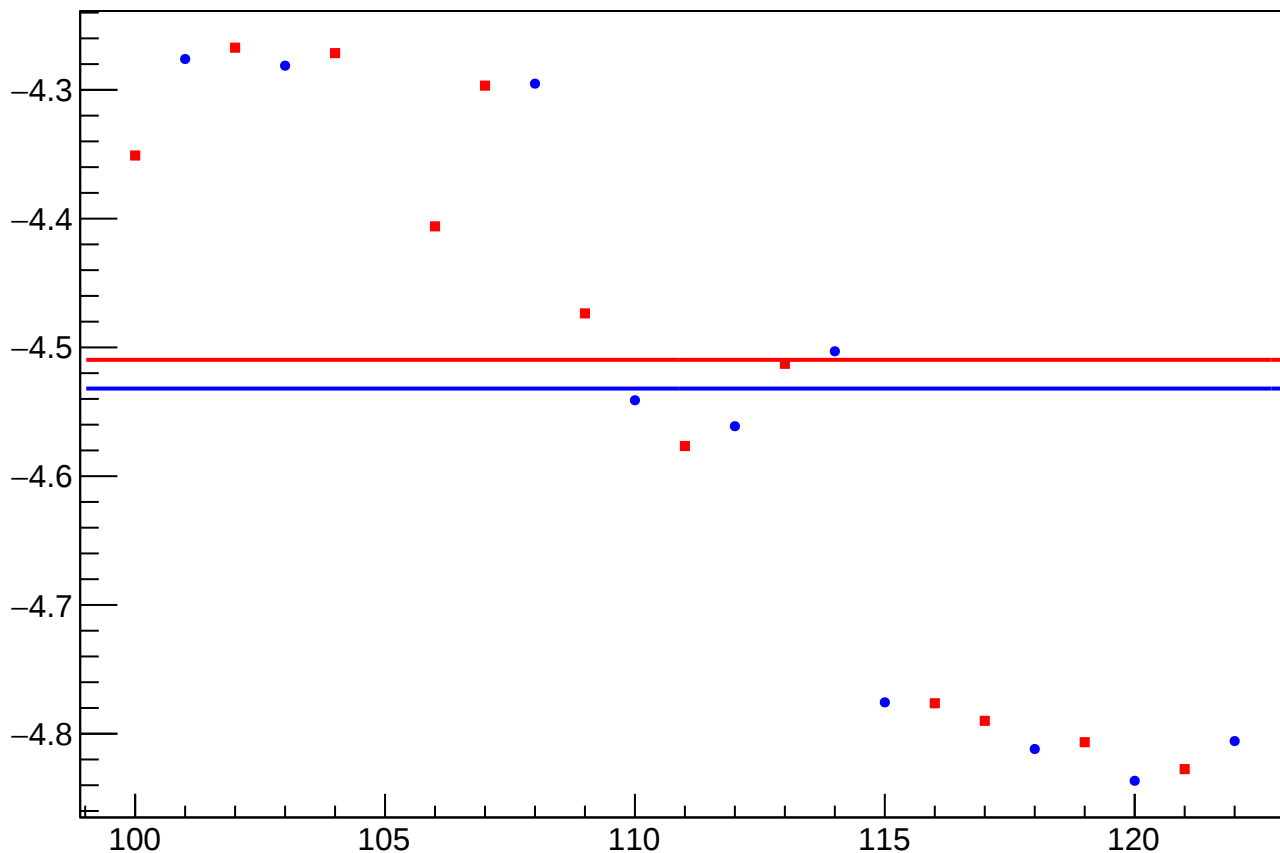
Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 85687.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.002+/-0.000  $\chi^2/\text{NDF}$ : 45886.4/9

0.002+/-0.000  $\chi^2/\text{NDF}$ : 85687.4/11

# yield\_bpm2i01Y\_mean vs Slug



Right In: -4.532+/-0.000  $\chi^2/\text{NDF}$ : 57535224412.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

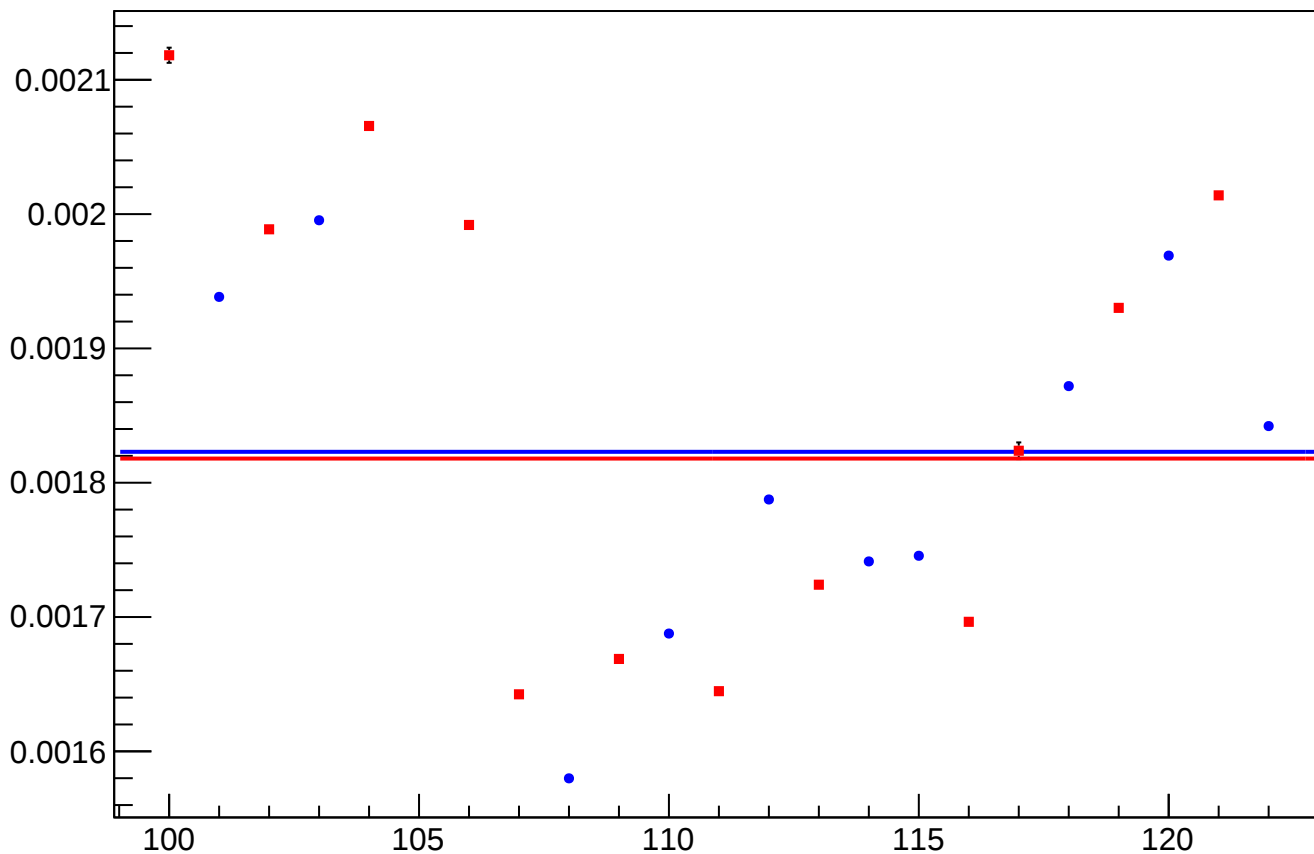
Right Out: -4.510+/-0.000  $\chi^2/\text{NDF}$ : 50112124465.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.532+/-0.000  $\chi^2/\text{NDF}$ : 57535224412.6/9

-4.510+/-0.000  $\chi^2/\text{NDF}$ : 50112124465.6/11

# yield\_bpm2i01Y\_rms vs Slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 40195.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

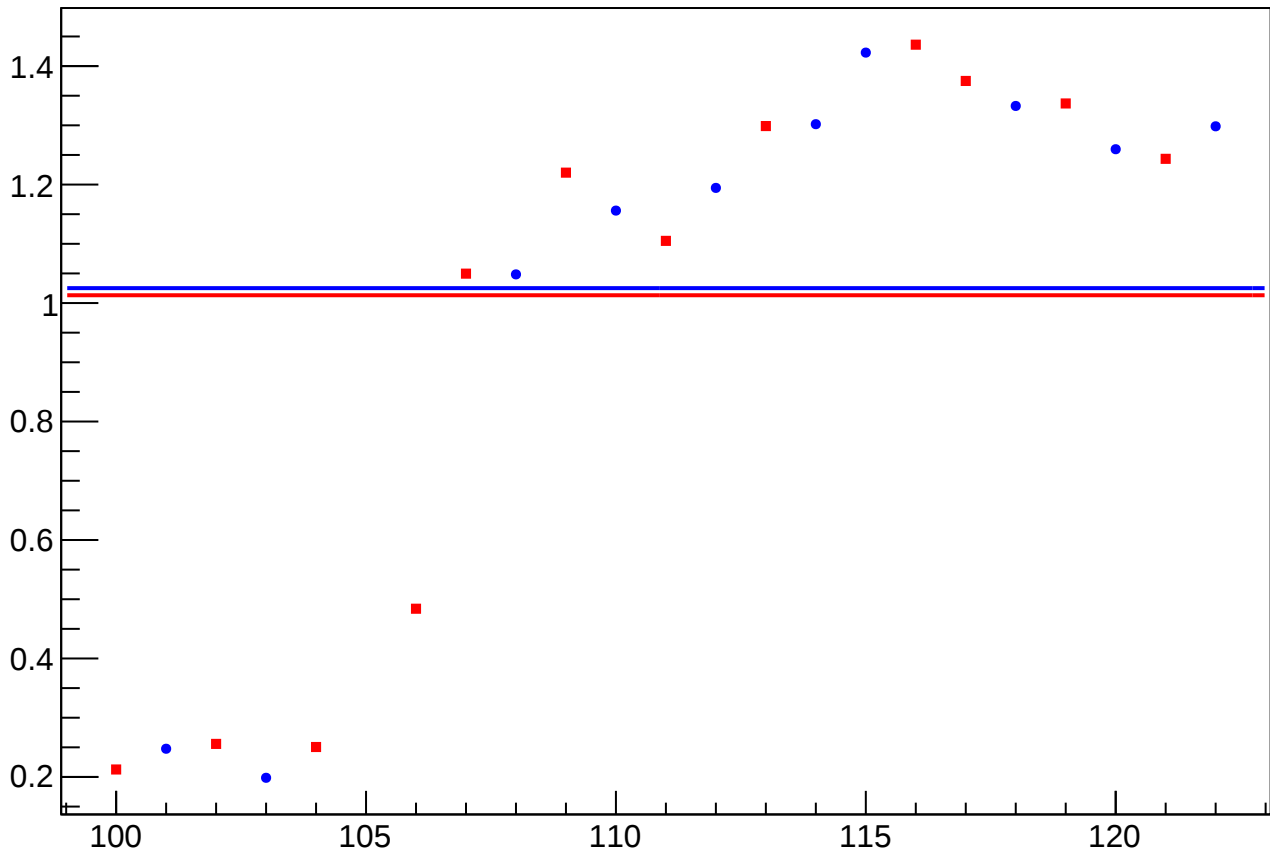
Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 69693.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.002+/-0.000  $\chi^2/\text{NDF}$ : 40195.2/9

0.002+/-0.000  $\chi^2/\text{NDF}$ : 69693.8/11

# yield\_bpm2i02X\_mean vs Slug



Right In: 1.025+/-0.000  $\chi^2/\text{NDF}$ : 12400072465.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

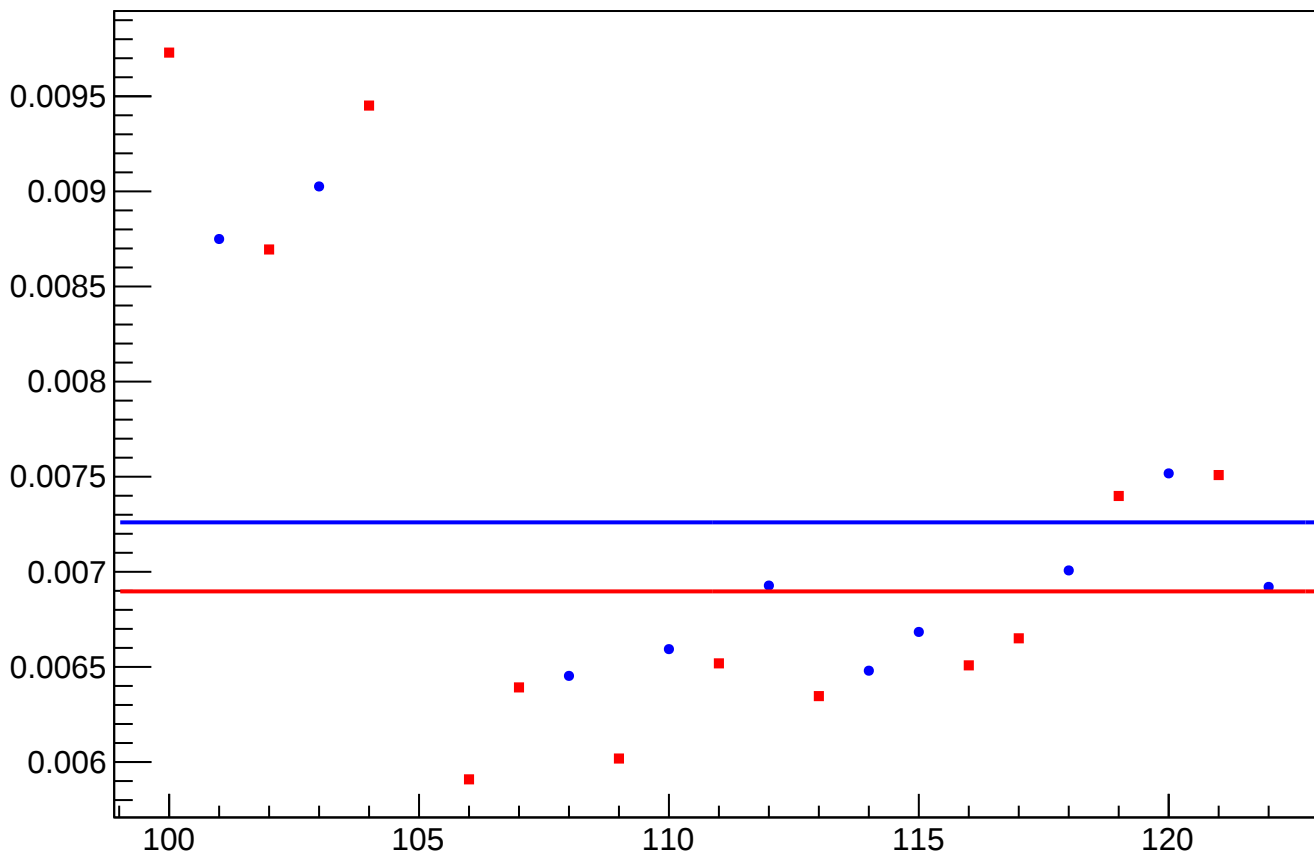
1.025+/-0.000  $\chi^2/\text{NDF}$ : 12400072465.4/9

Right Out: 1.013+/-0.000  $\chi^2/\text{NDF}$ : 14380978757.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.013+/-0.000  $\chi^2/\text{NDF}$ : 14380978757.5/11

# yield\_bpm2i02X\_rms vs Slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 107633.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

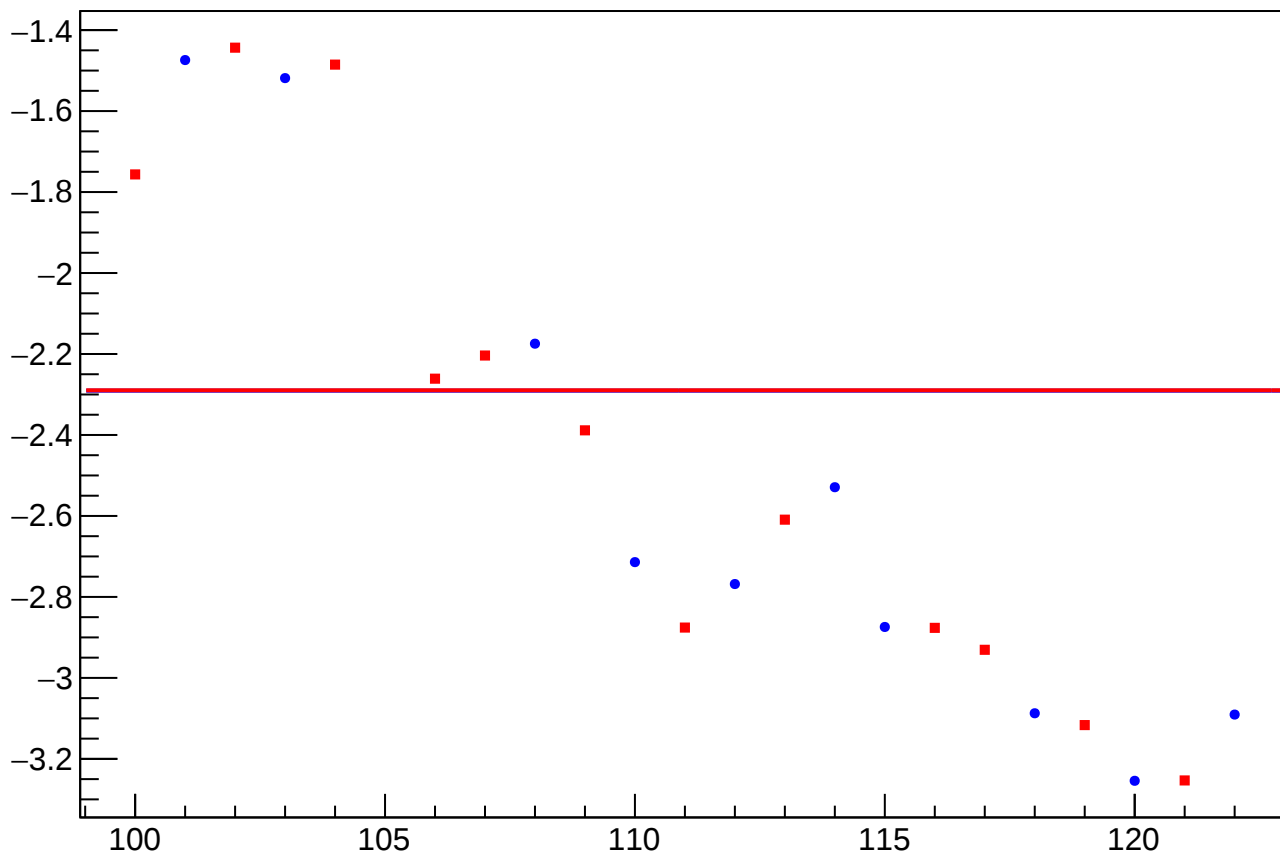
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 195038.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 107633.4/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 195038.0/11

# yield\_bpm2i02Y\_mean vs Slug



Right In: -2.291+/-0.000  $\chi^2/\text{NDF}$ : 44343852023.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

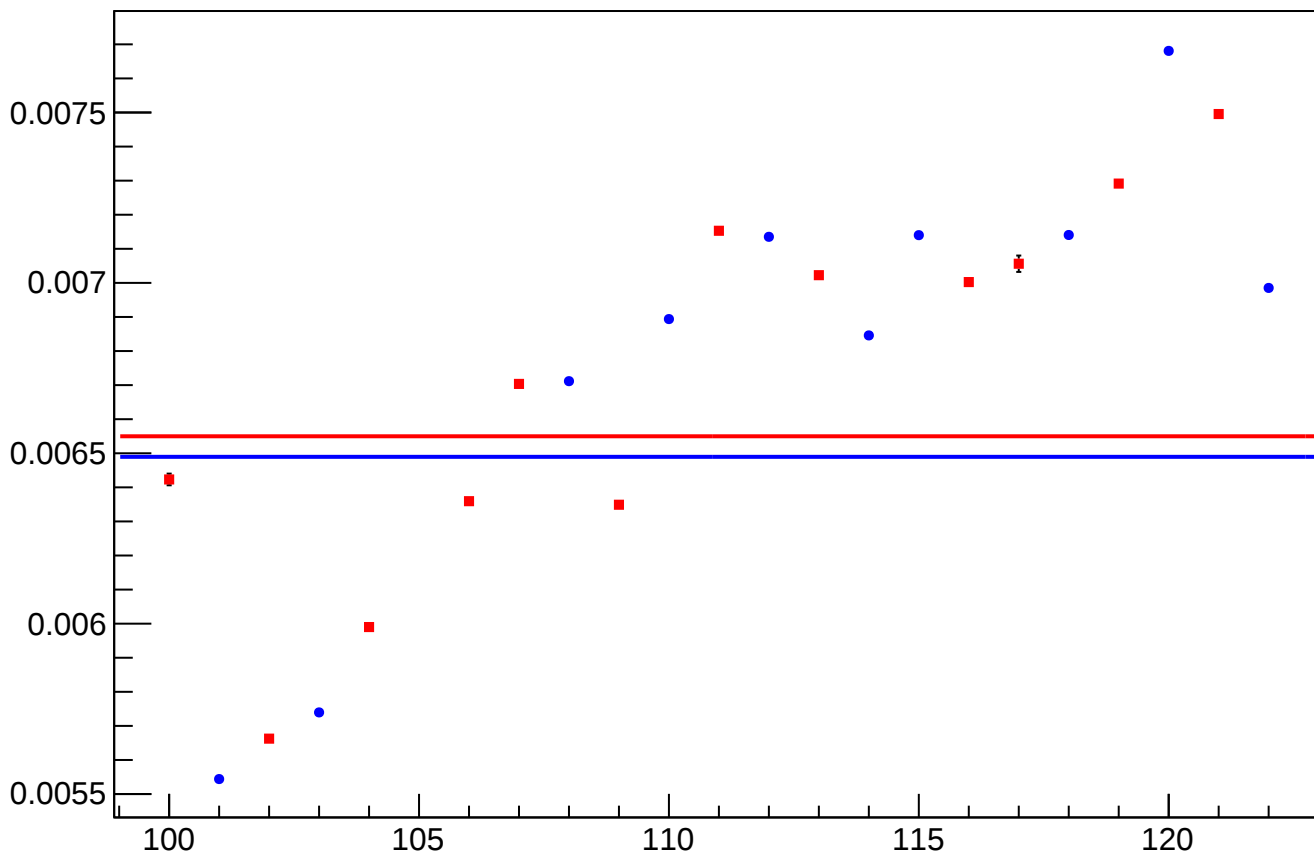
Right Out: -2.290+/-0.000  $\chi^2/\text{NDF}$ : 40594231613.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.291+/-0.000  $\chi^2/\text{NDF}$ : 44343852023.1/9

-2.290+/-0.000  $\chi^2/\text{NDF}$ : 40594231613.2/11

# yield\_bpm2i02Y\_rms vs Slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 95722.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

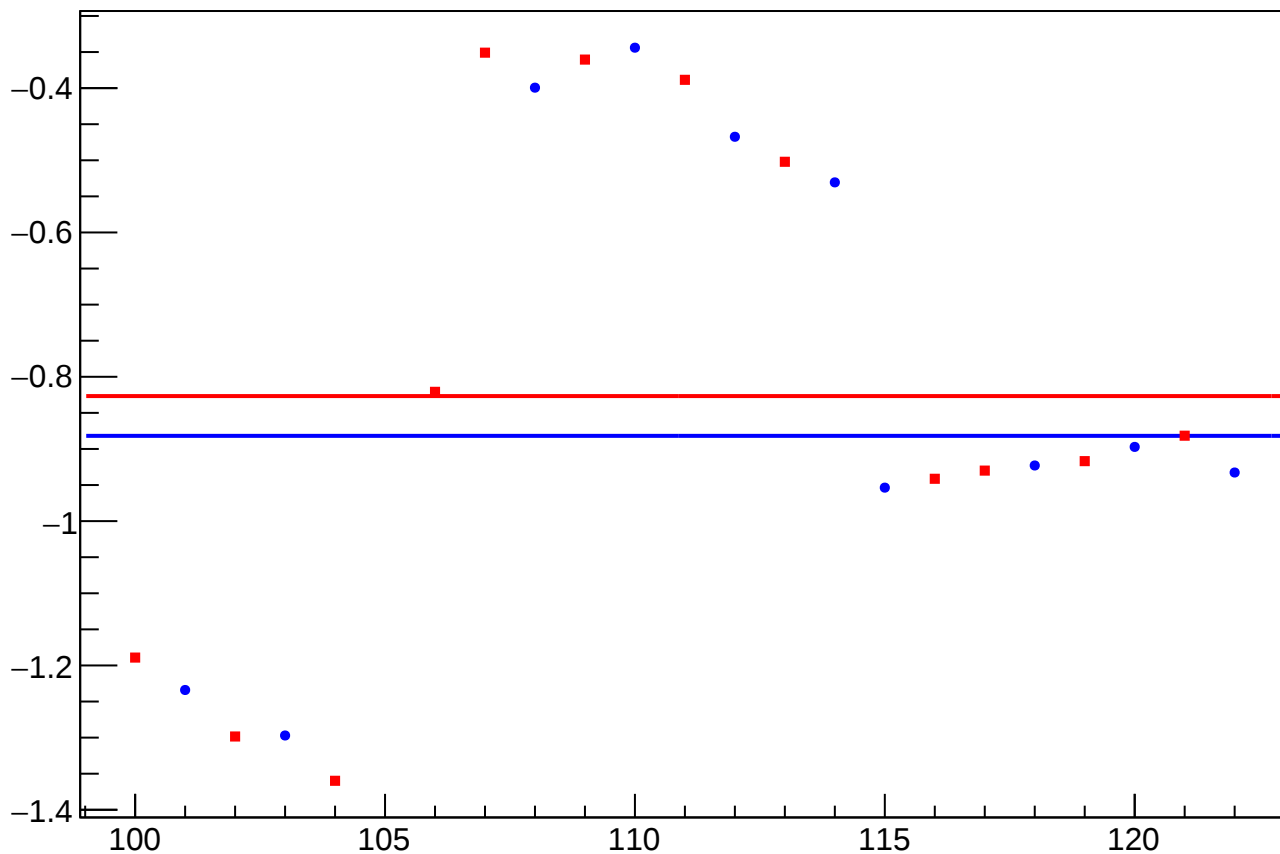
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 72926.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 95722.7/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 72926.9/11

# yield\_bpm0i01X\_mean vs Slug



Right In: -0.882+/-0.000  $\chi^2/\text{NDF}$ : 3849964052.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

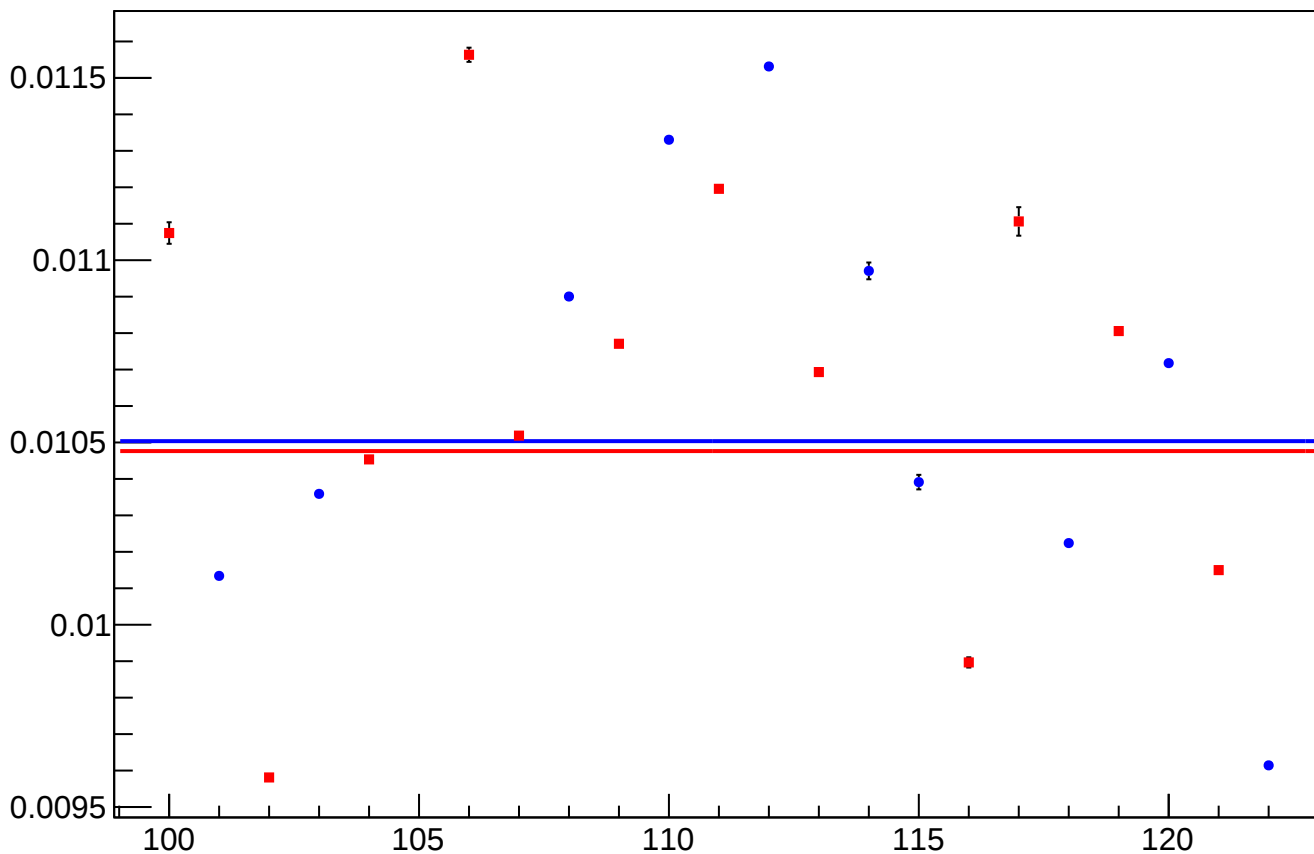
Right Out: -0.827+/-0.000  $\chi^2/\text{NDF}$ : 5487294914.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.882+/-0.000  $\chi^2/\text{NDF}$ : 3849964052.5/9

-0.827+/-0.000  $\chi^2/\text{NDF}$ : 5487294914.2/11

# yield\_bpm0i01X\_rms vs Slug



Right In: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 22100.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

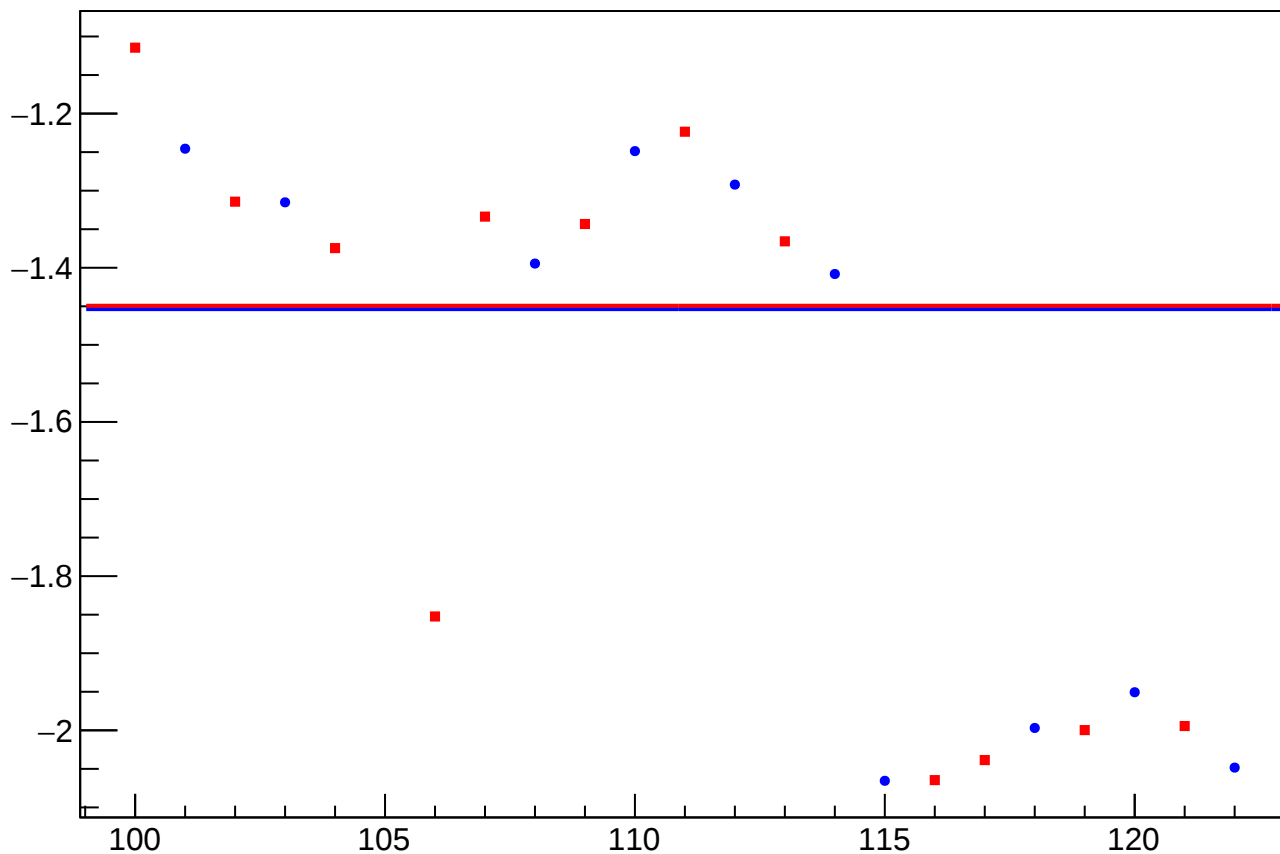
Right Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 21402.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.011+/-0.000  $\chi^2/\text{NDF}$ : 22100.9/9

0.010+/-0.000  $\chi^2/\text{NDF}$ : 21402.2/11

# yield\_bpm0i01Y\_mean vs Slug



Right In: -1.454+/-0.000  $\chi^2/\text{NDF}$ : 55782205358.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

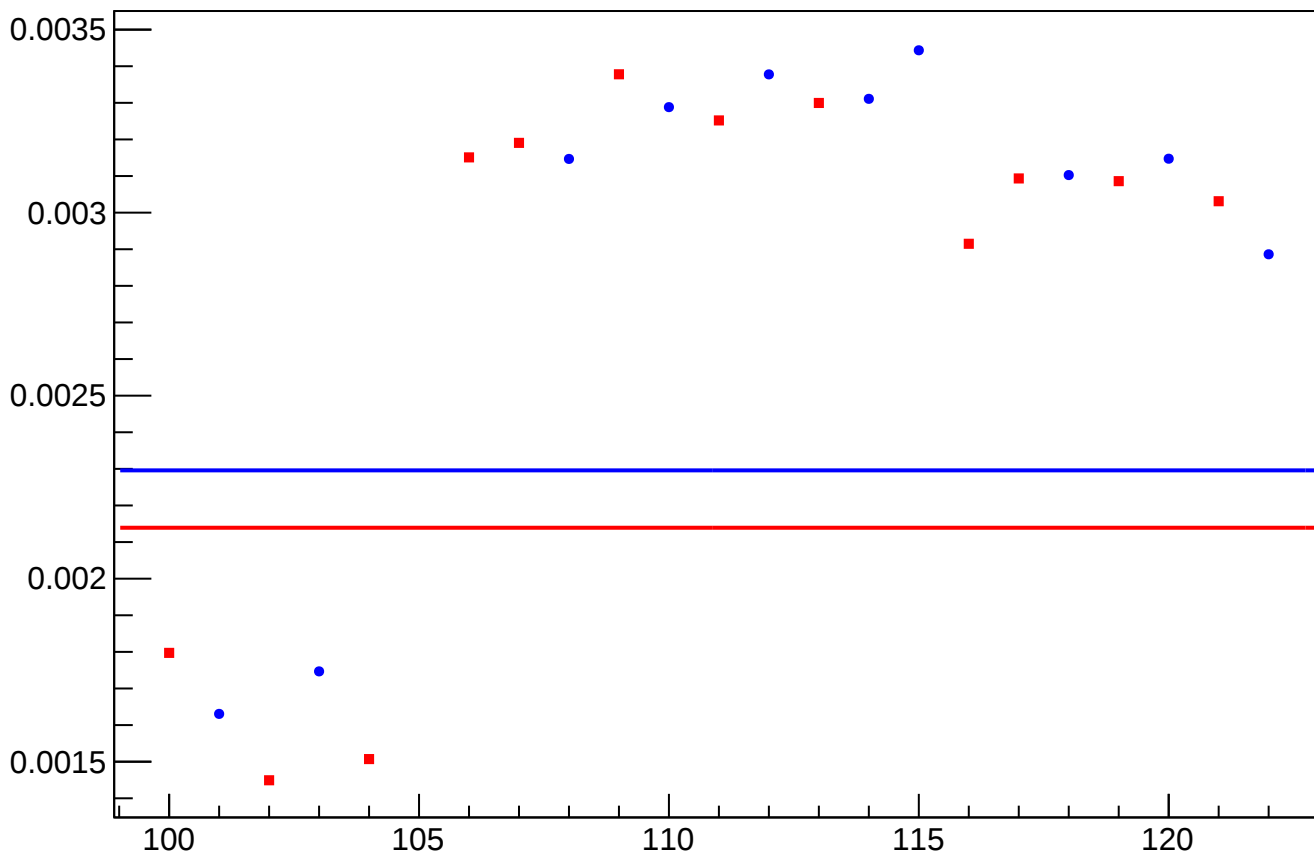
Right Out: -1.449+/-0.000  $\chi^2/\text{NDF}$ : 50453724857.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.454+/-0.000  $\chi^2/\text{NDF}$ : 55782205358.6/9

-1.449+/-0.000  $\chi^2/\text{NDF}$ : 50453724857.1/11

# yield\_bpm0i01Y\_rms vs Slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 646524.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

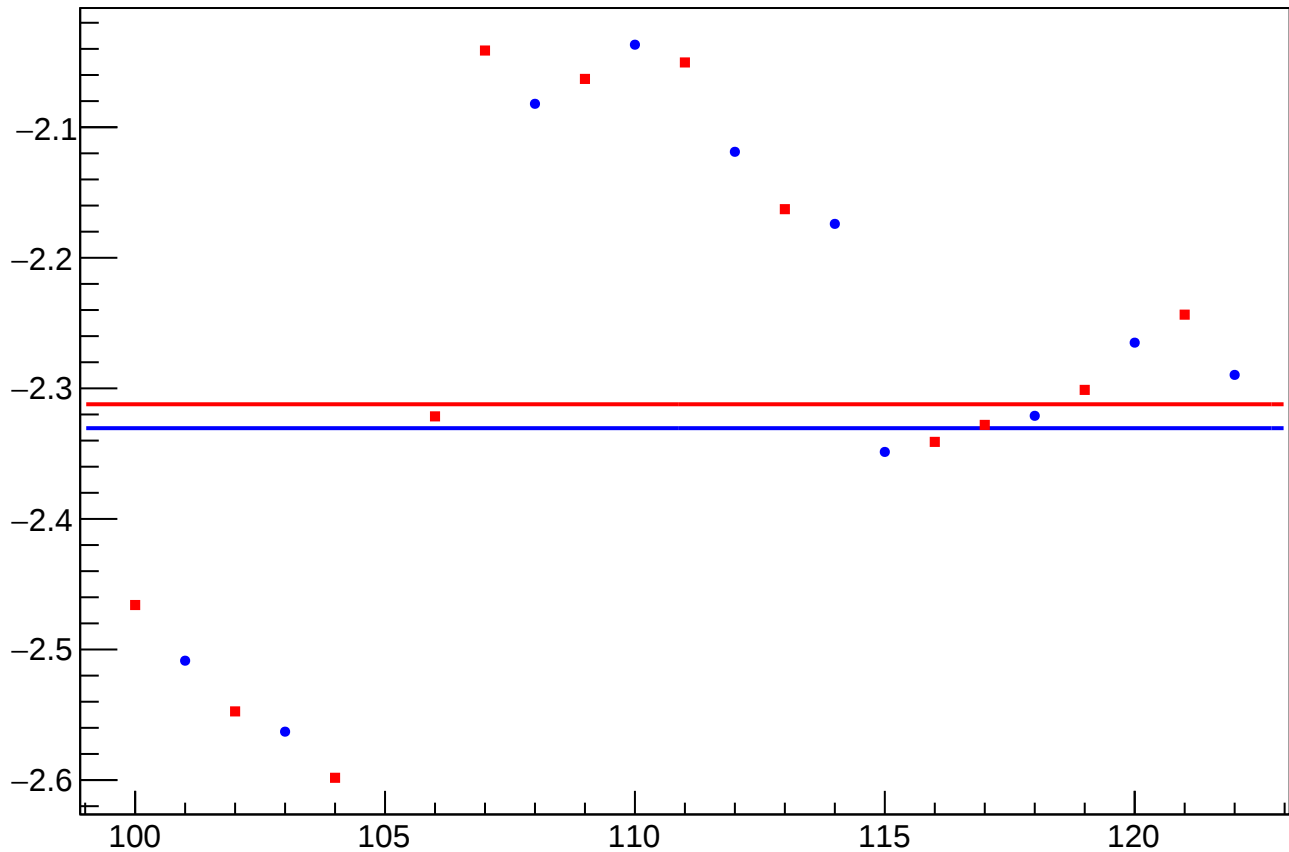
Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 990106.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.002+/-0.000  $\chi^2/\text{NDF}$ : 646524.3/9

0.002+/-0.000  $\chi^2/\text{NDF}$ : 990106.2/11

# yield\_bpm0i01aX\_mean vs Slug



Right In: -2.330+/-0.000  $\chi^2/\text{NDF}$ : 2995760196.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

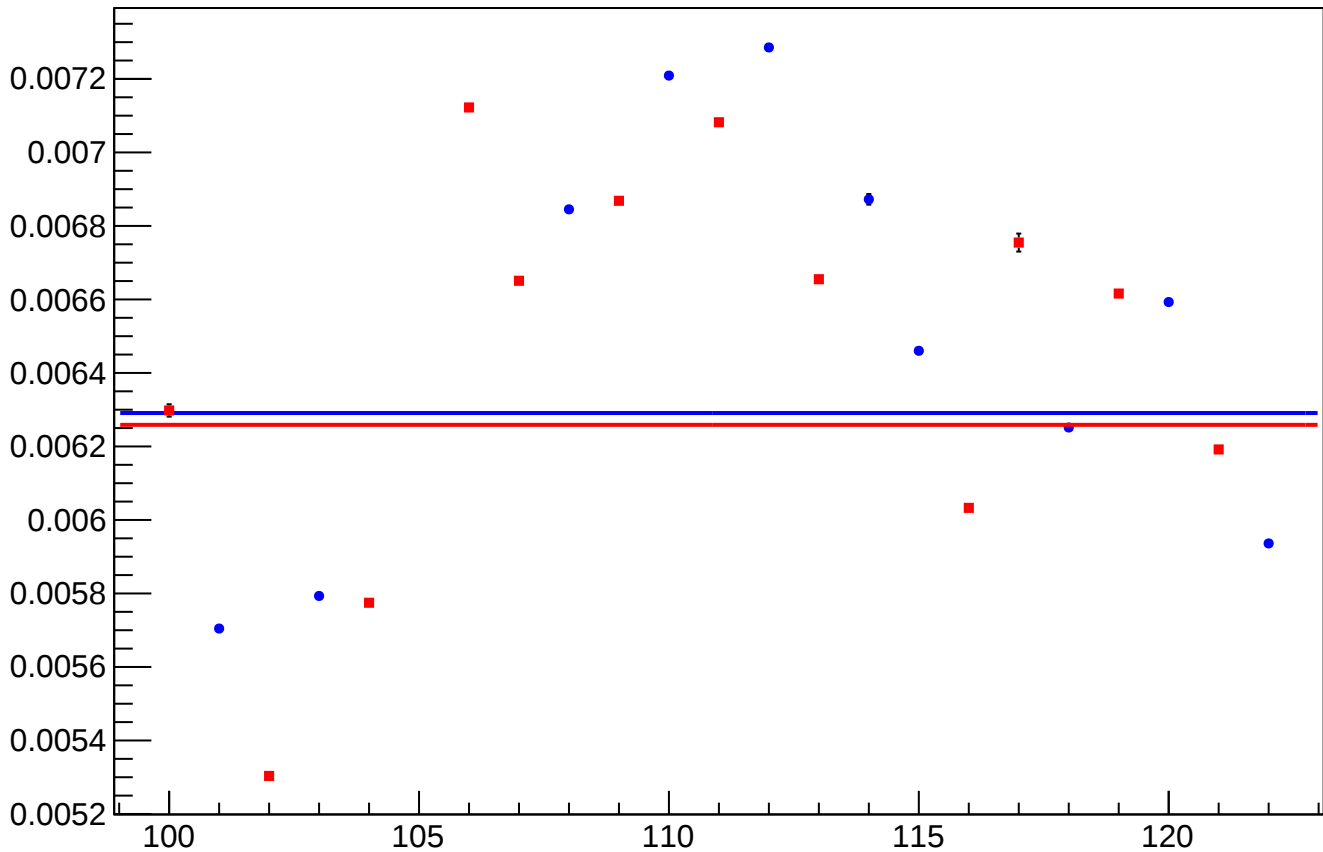
Right Out: -2.312+/-0.000  $\chi^2/\text{NDF}$ : 4392846304.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.330+/-0.000  $\chi^2/\text{NDF}$ : 2995760196.3/9

-2.312+/-0.000  $\chi^2/\text{NDF}$ : 4392846304.9/11

# yield\_bpm0i01aX\_rms vs Slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 59342.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

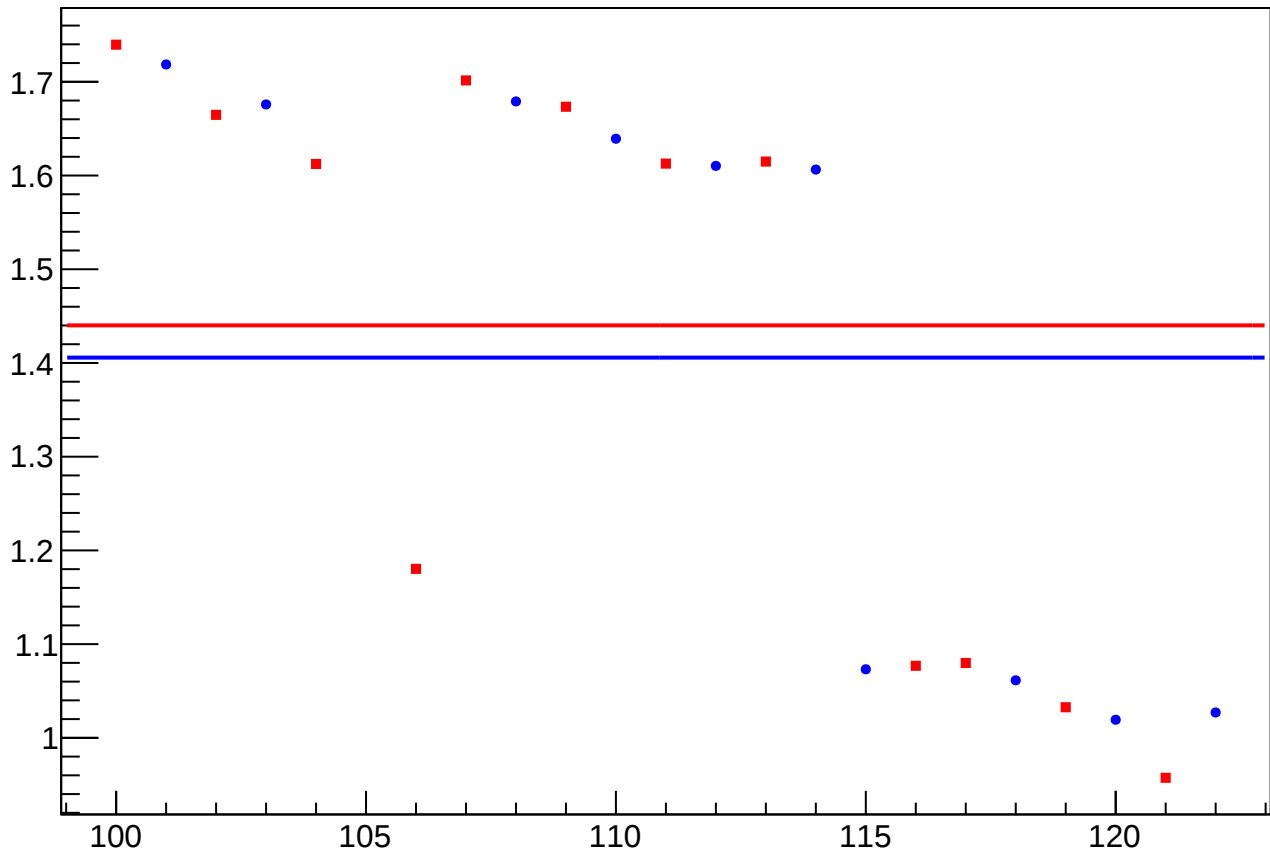
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 76104.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 59342.0/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 76104.9/11

# yield\_bpm0i01aY\_mean vs Slug



Right In: 1.406+/-0.000  $\chi^2/\text{NDF}$ : 78854439743.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

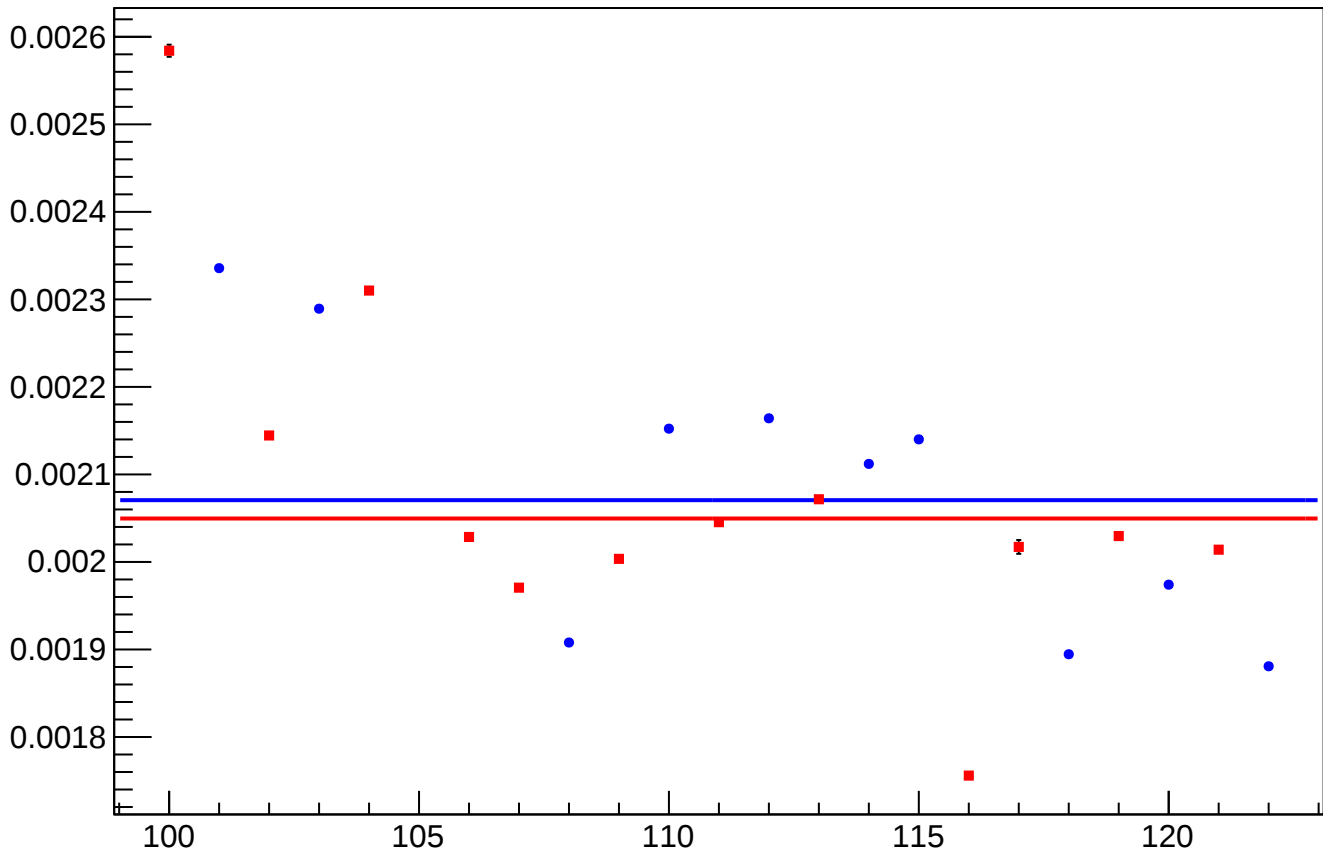
1.406+/-0.000  $\chi^2/\text{NDF}$ : 78854439743.1/9

Right Out: 1.440+/-0.000  $\chi^2/\text{NDF}$ : 80196929276.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.440+/-0.000  $\chi^2/\text{NDF}$ : 80196929276.1/11

# yield\_bpm0i01aY\_rms vs Slug



Right In: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 49271.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

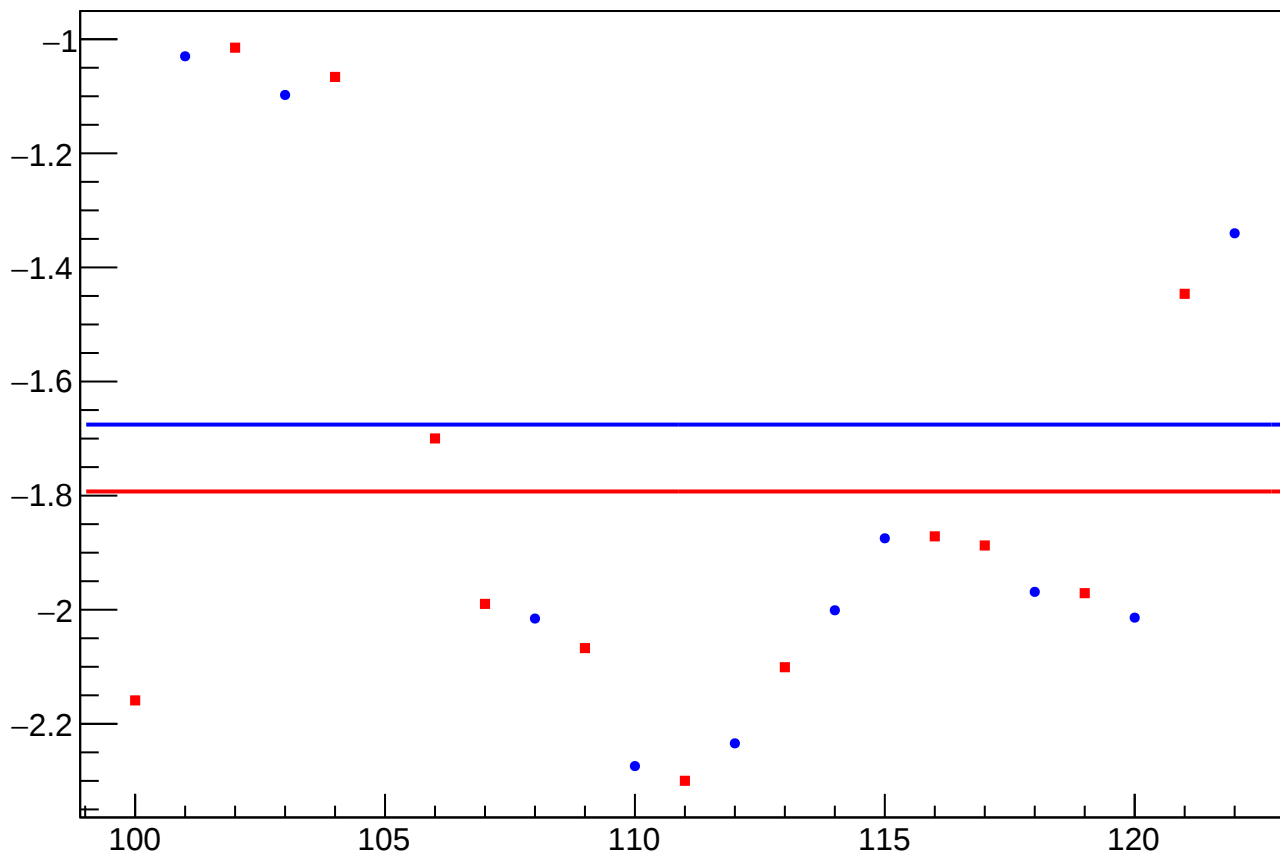
Right Out: 0.002+/-0.000  $\chi^2/\text{NDF}$ : 35767.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.002+/-0.000  $\chi^2/\text{NDF}$ : 49271.5/9

0.002+/-0.000  $\chi^2/\text{NDF}$ : 35767.9/11

# yield\_bpm0l01X\_mean vs Slug



Right In: -1.675+/-0.000  $\chi^2/\text{NDF}$ : 16921849859.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

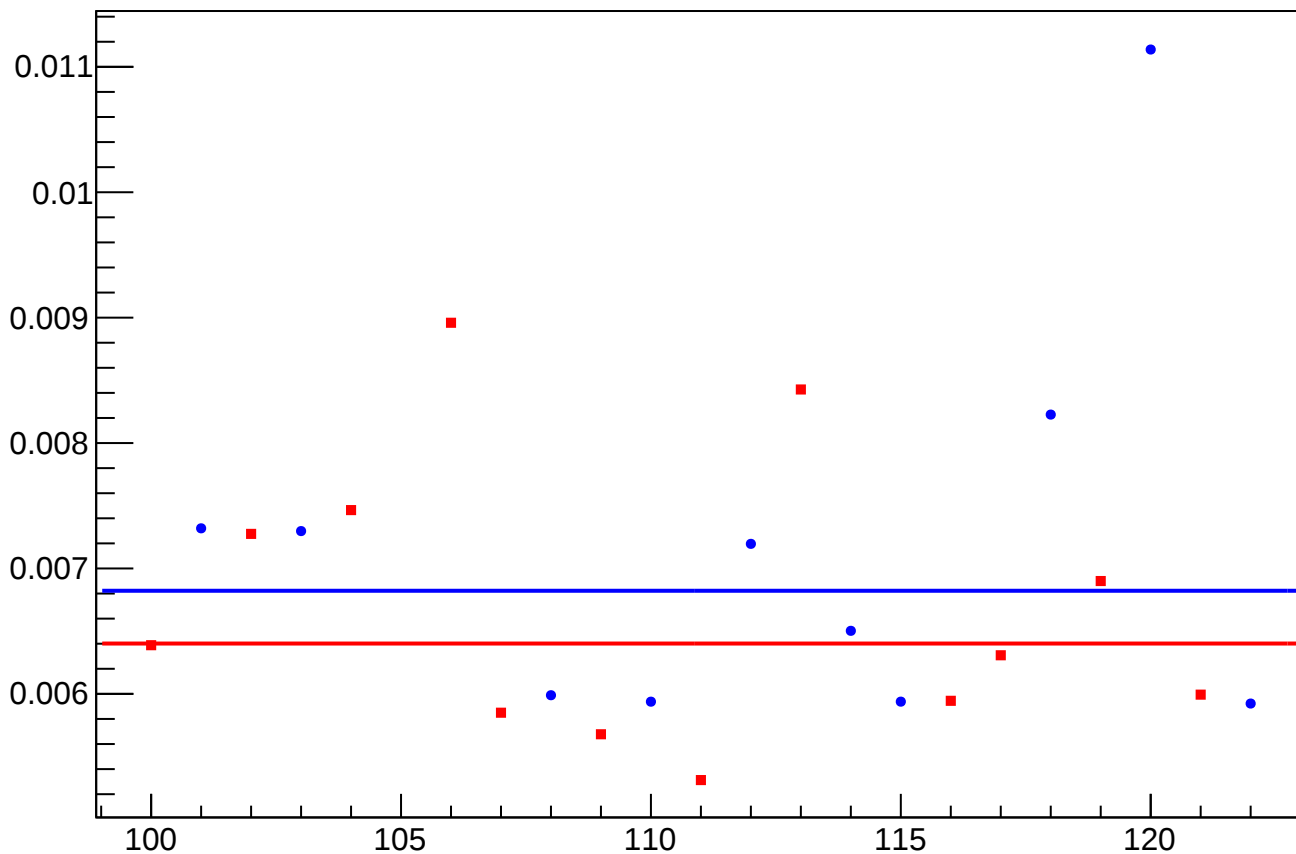
Right Out: -1.793+/-0.000  $\chi^2/\text{NDF}$ : 18422574520.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.675+/-0.000  $\chi^2/\text{NDF}$ : 16921849859.8/9

-1.793+/-0.000  $\chi^2/\text{NDF}$ : 18422574520.2/11

# yield\_bpm0l01X\_rms vs Slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 169425.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

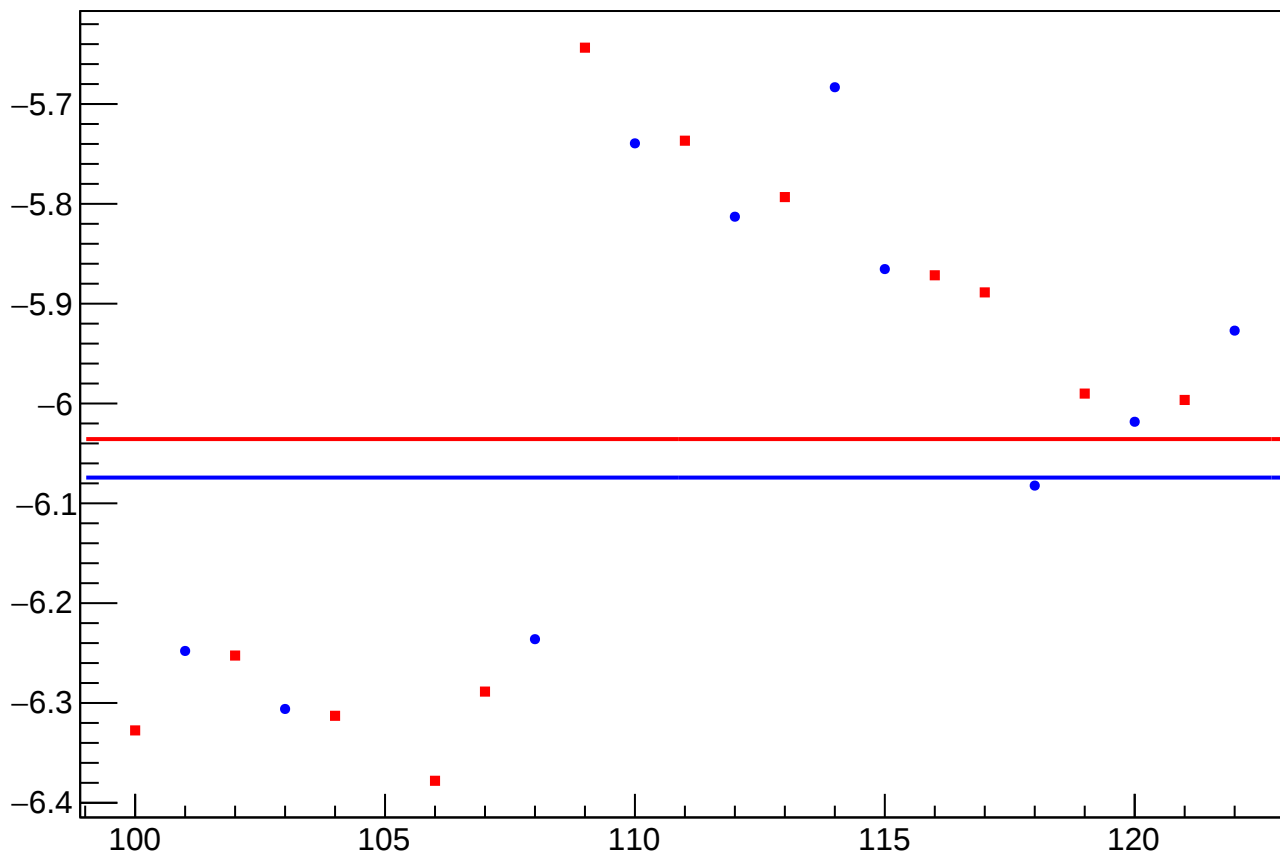
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 181103.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 169425.5/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 181103.1/11

# yield\_bpm0l01Y\_mean vs Slug



Right In: -6.074+/-0.000  $\chi^2/\text{NDF}$ : 4716027523.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

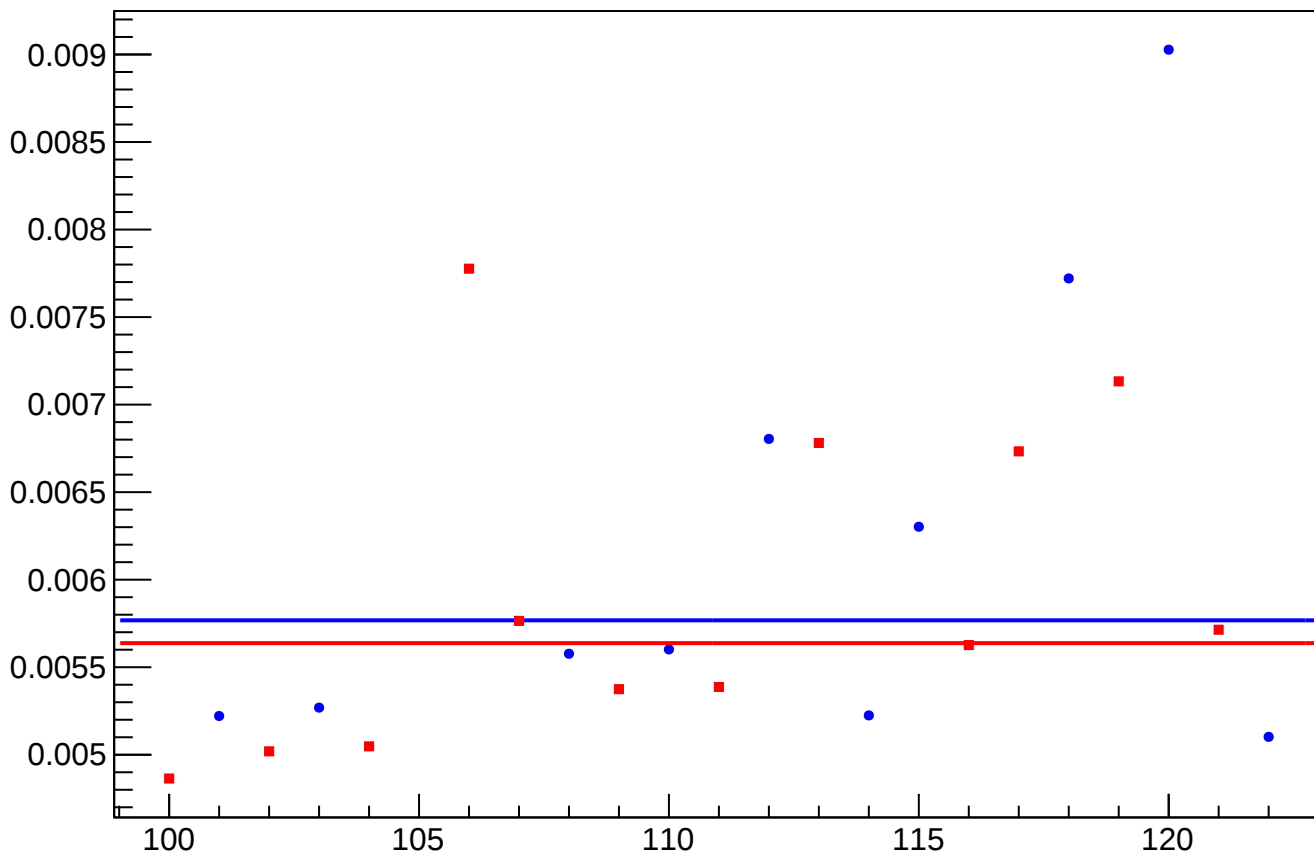
Right Out: -6.036+/-0.000  $\chi^2/\text{NDF}$ : 8161274354.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6.074+/-0.000  $\chi^2/\text{NDF}$ : 4716027523.3/9

-6.036+/-0.000  $\chi^2/\text{NDF}$ : 8161274354.4/11

# yield\_bpm0l01Y\_rms vs Slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 190380.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

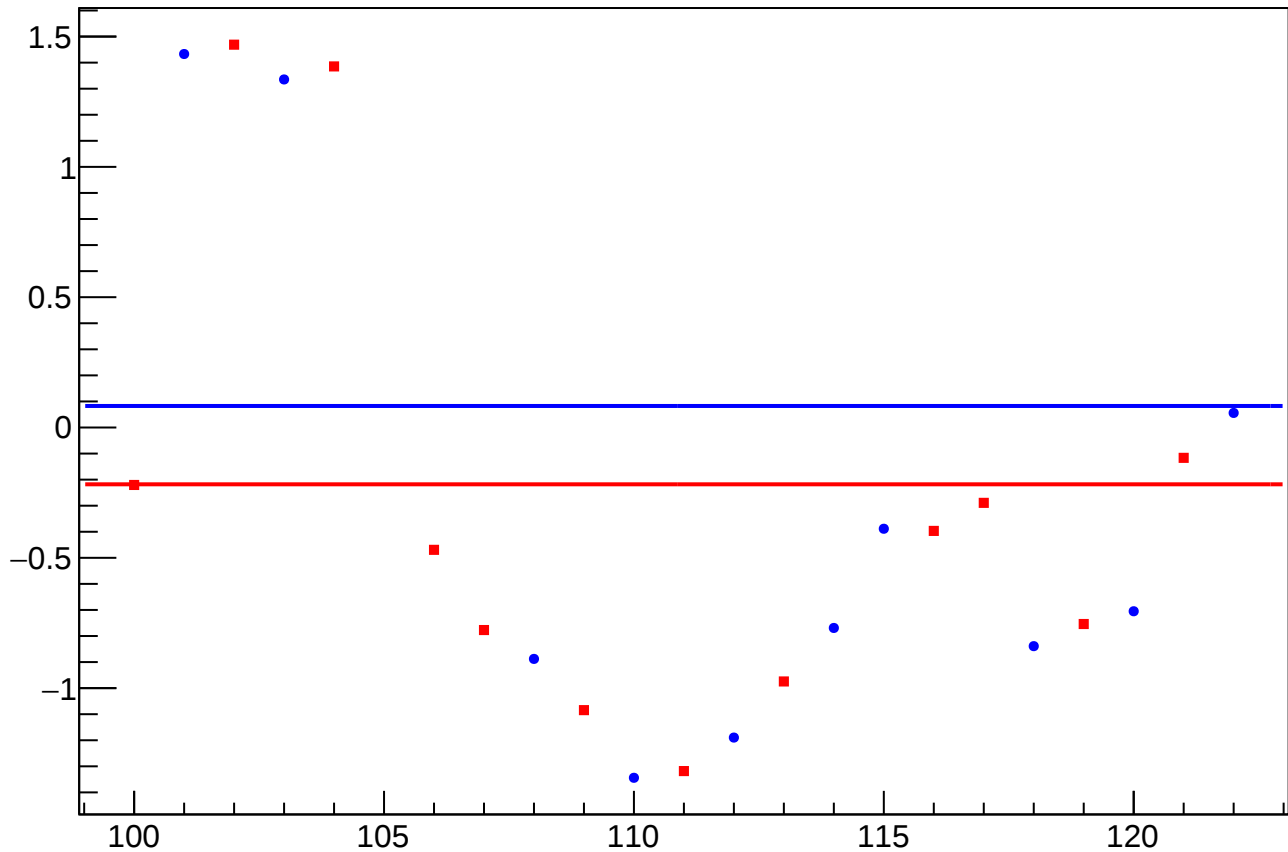
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 134518.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 190380.7/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 134518.6/11

yield\_bpm0l02X\_mean vs Slug



Right In: 0.083+/-0.000  $\chi^2/\text{NDF}$ : 16314010952.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

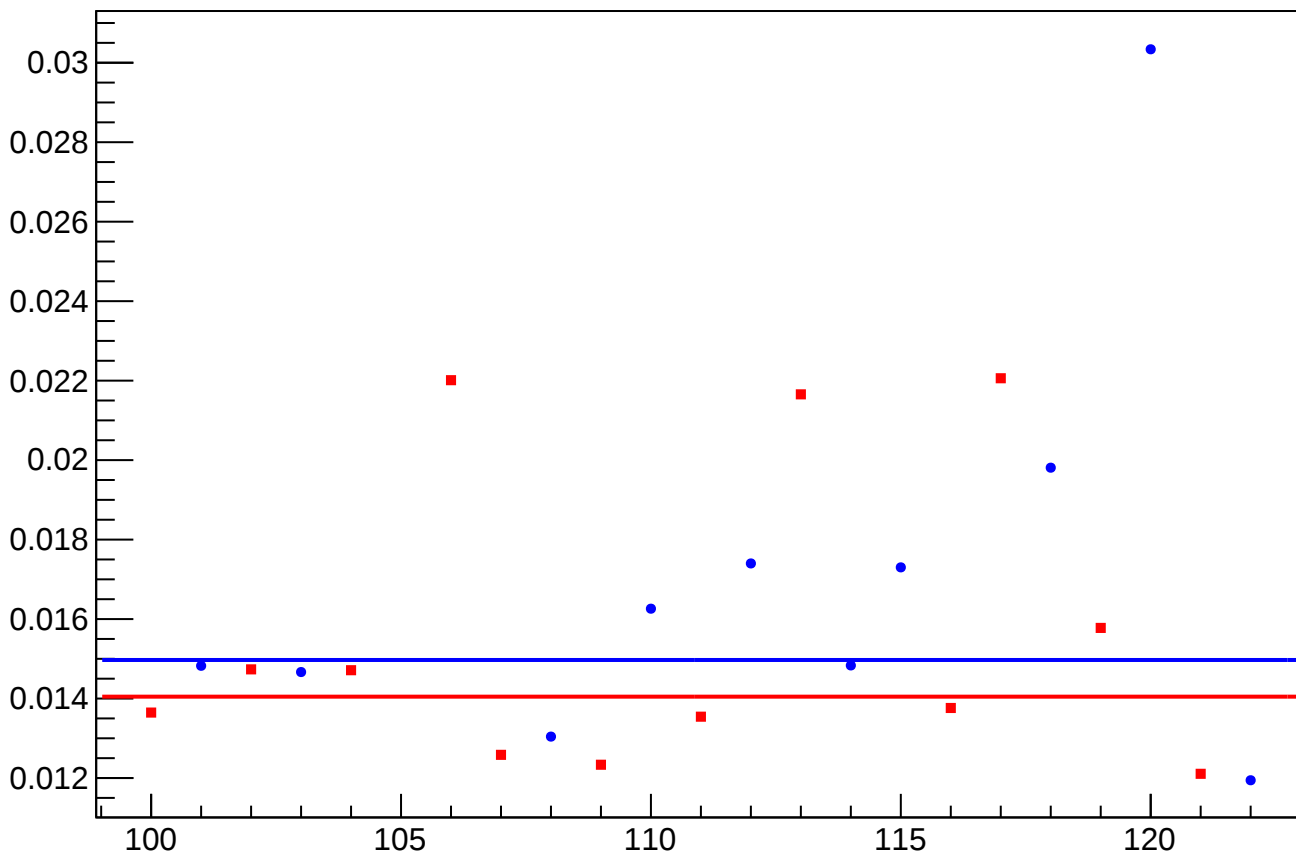
0.083+/-0.000  $\chi^2/\text{NDF}$ : 16314010952.0/9

Right Out: -0.218+/-0.000  $\chi^2/\text{NDF}$ : 19595840291.4/11

-0.218+/-0.000  $\chi^2/\text{NDF}$ : 19595840291.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# yield\_bpm0l02X\_rms vs Slug



Right In: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 267196.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

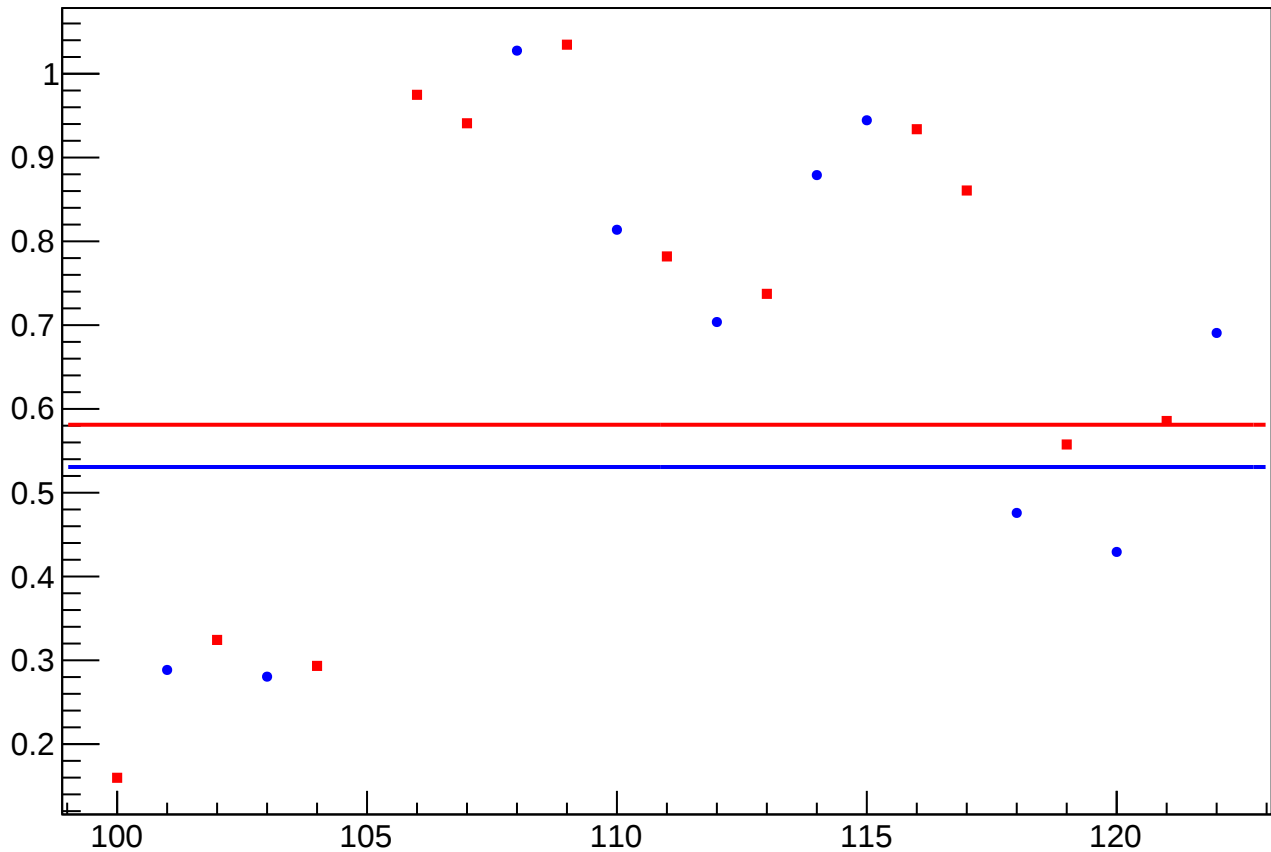
Right Out: 0.014+/-0.000  $\chi^2/\text{NDF}$ : 203025.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.015+/-0.000  $\chi^2/\text{NDF}$ : 267196.3/9

0.014+/-0.000  $\chi^2/\text{NDF}$ : 203025.3/11

# yield\_bpm0l02Y\_mean vs Slug



Right In: 0.531+/-0.000  $\chi^2/\text{NDF}$ : 3700585409.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

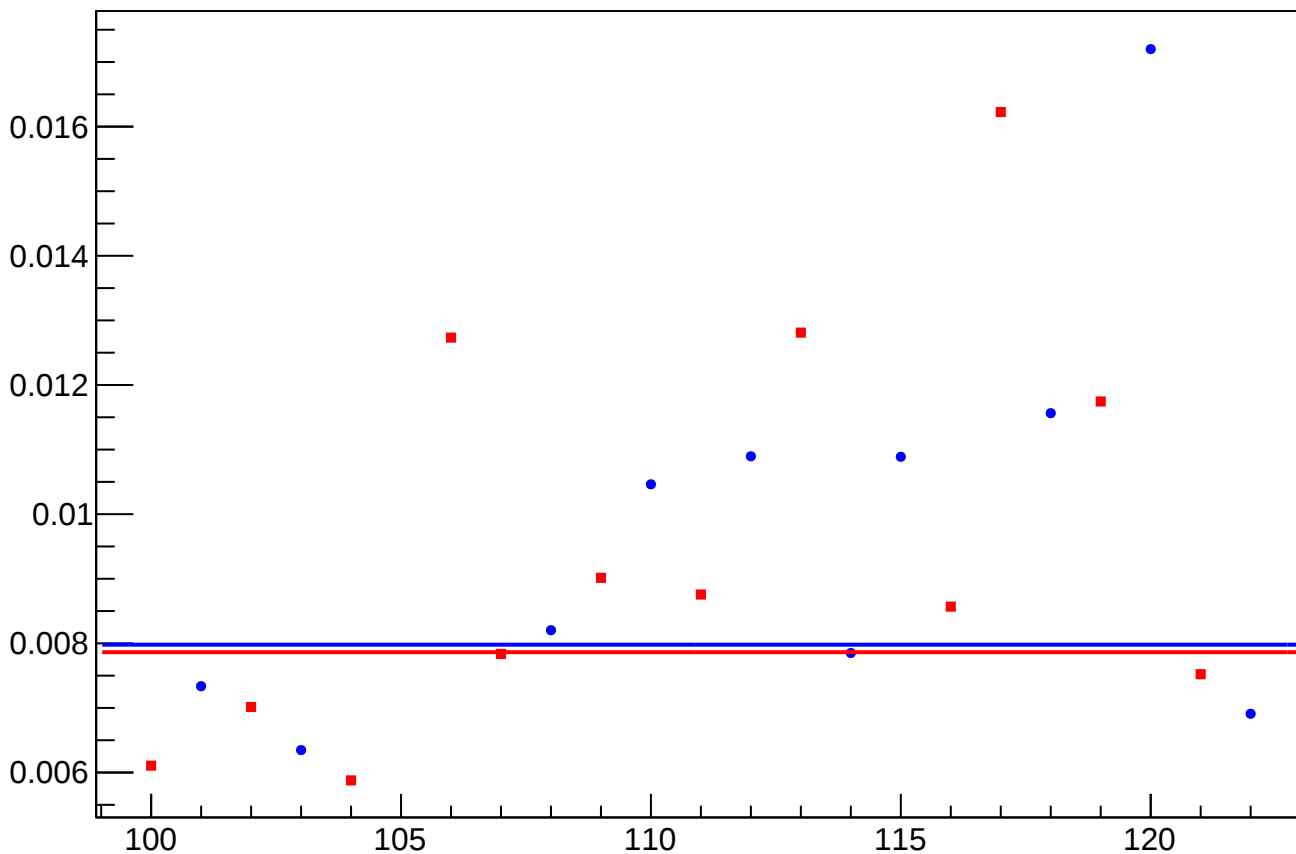
Right Out: 0.581+/-0.000  $\chi^2/\text{NDF}$ : 4836337939.4/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.531+/-0.000  $\chi^2/\text{NDF}$ : 3700585409.8/9

0.581+/-0.000  $\chi^2/\text{NDF}$ : 4836337939.4/11

# yield\_bpm0l02Y\_rms vs Slug



Right In: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 436863.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

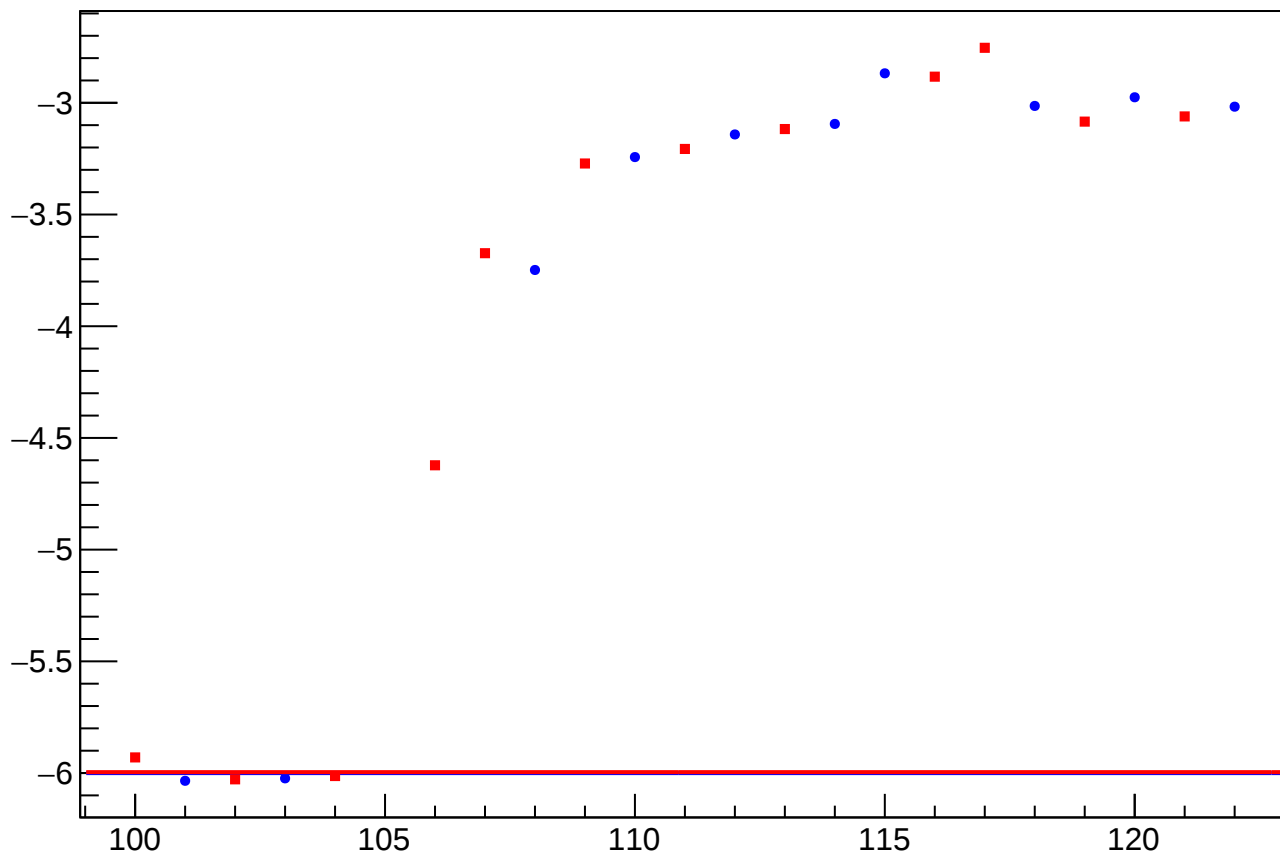
Right Out: 0.008+/-0.000  $\chi^2/\text{NDF}$ : 421111.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.008+/-0.000  $\chi^2/\text{NDF}$ : 436863.5/9

0.008+/-0.000  $\chi^2/\text{NDF}$ : 421111.0/11

# yield\_bpm0l03X\_mean vs Slug



Right In: -6.000+/-0.000  $\chi^2/\text{NDF}$ : 3425627834.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

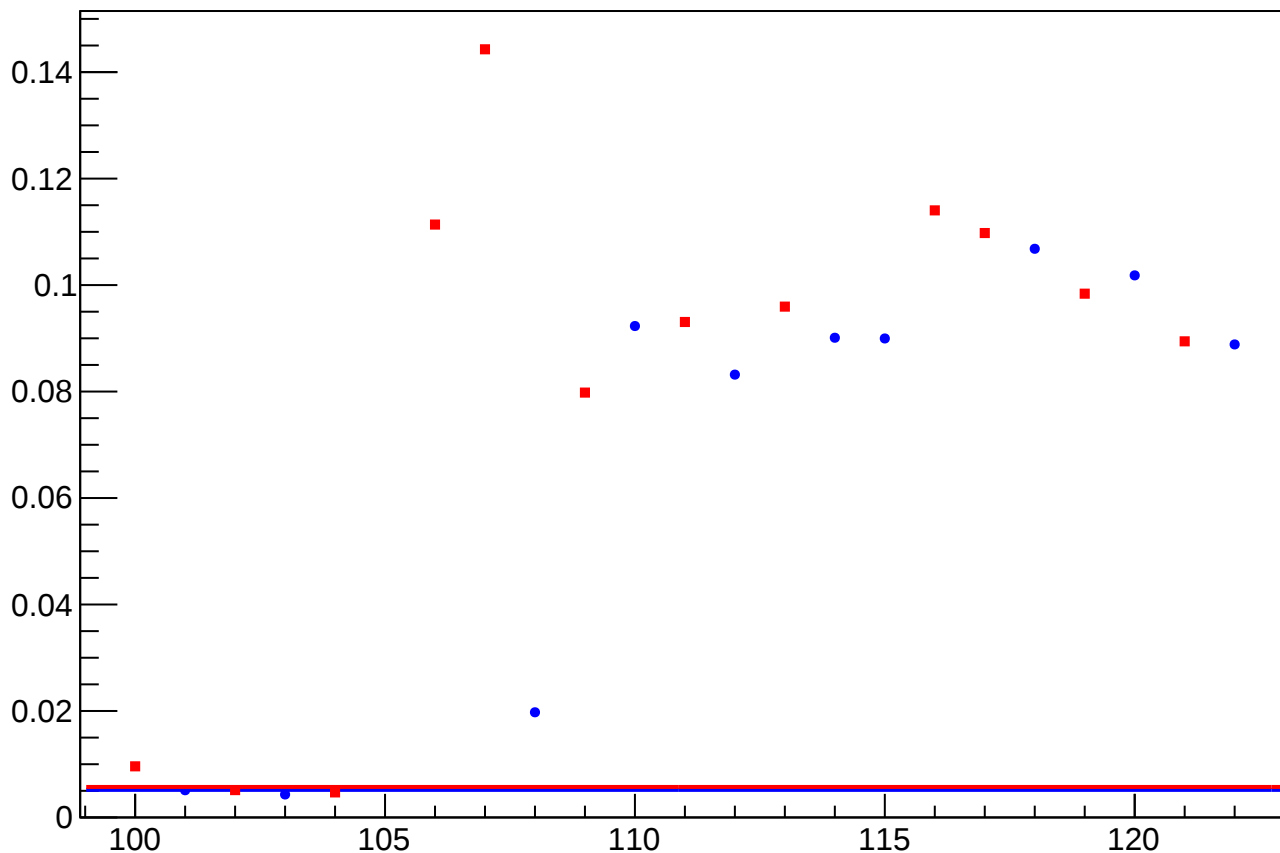
Right Out: -5.996+/-0.000  $\chi^2/\text{NDF}$ : 2445622190.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6.000+/-0.000  $\chi^2/\text{NDF}$ : 3425627834.8/9

-5.996+/-0.000  $\chi^2/\text{NDF}$ : 2445622190.2/11

# yield\_bpm0l03X\_rms vs Slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 3827355.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

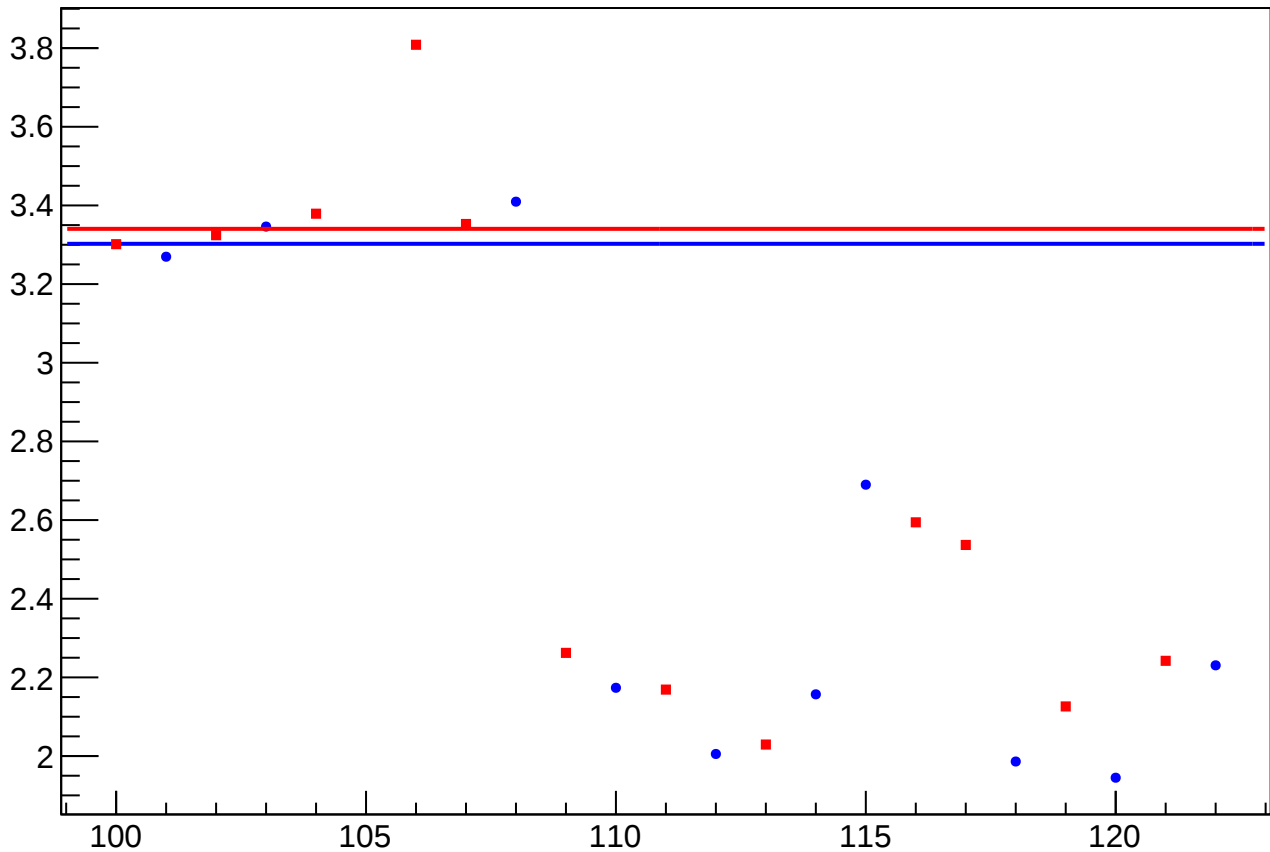
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 5382725.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 3827355.9/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 5382725.2/11

# yield\_bpm0l03Y\_mean vs Slug



Right In: 3.302 $\pm$ 0.000  $\chi^2$ /NDF: 353358549.9/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

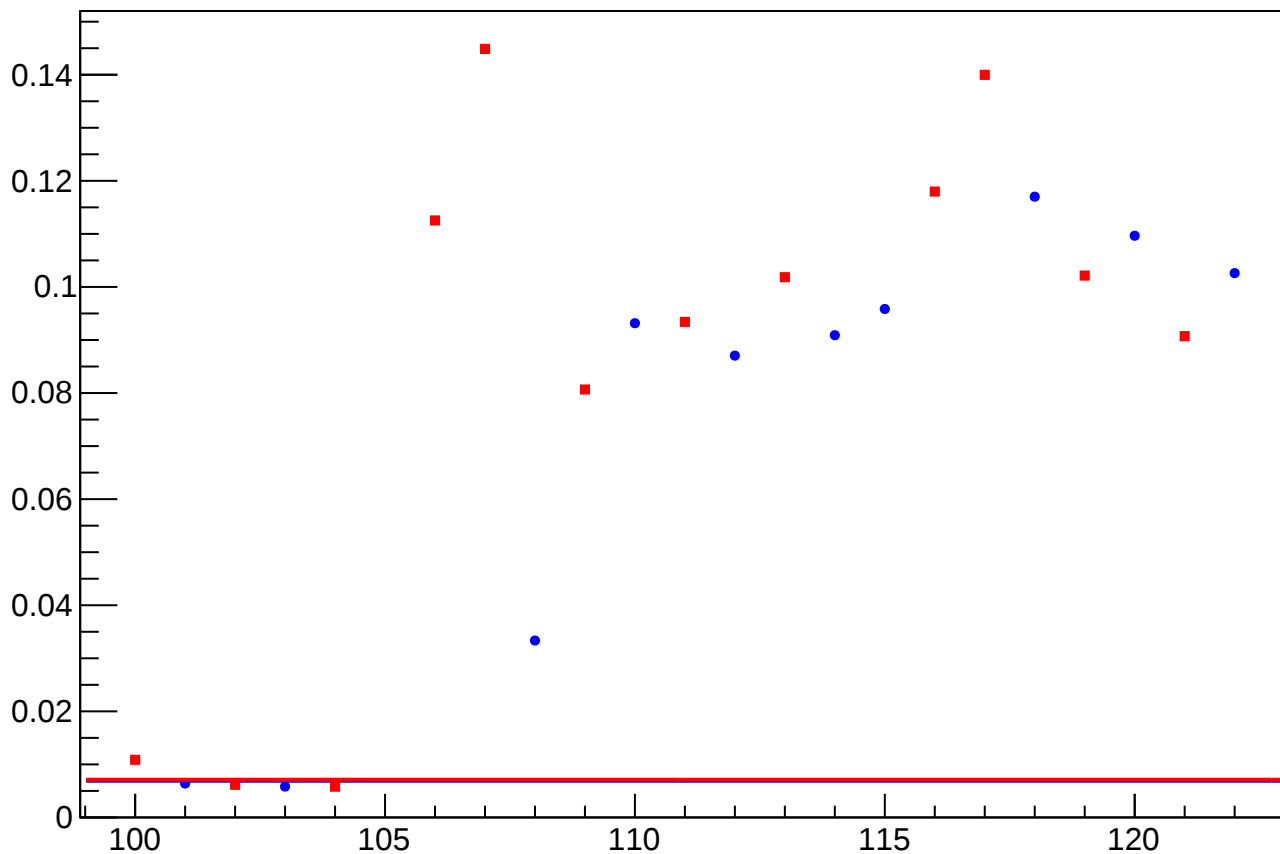
3.302 $\pm$ 0.000  $\chi^2$ /NDF: 353358549.9/9

Right Out: 3.340 $\pm$ 0.000  $\chi^2$ /NDF: 375716832.5/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

3.340 $\pm$ 0.000  $\chi^2$ /NDF: 375716832.5/11

# yield\_bpm0l03Y\_rms vs Slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 3873810.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

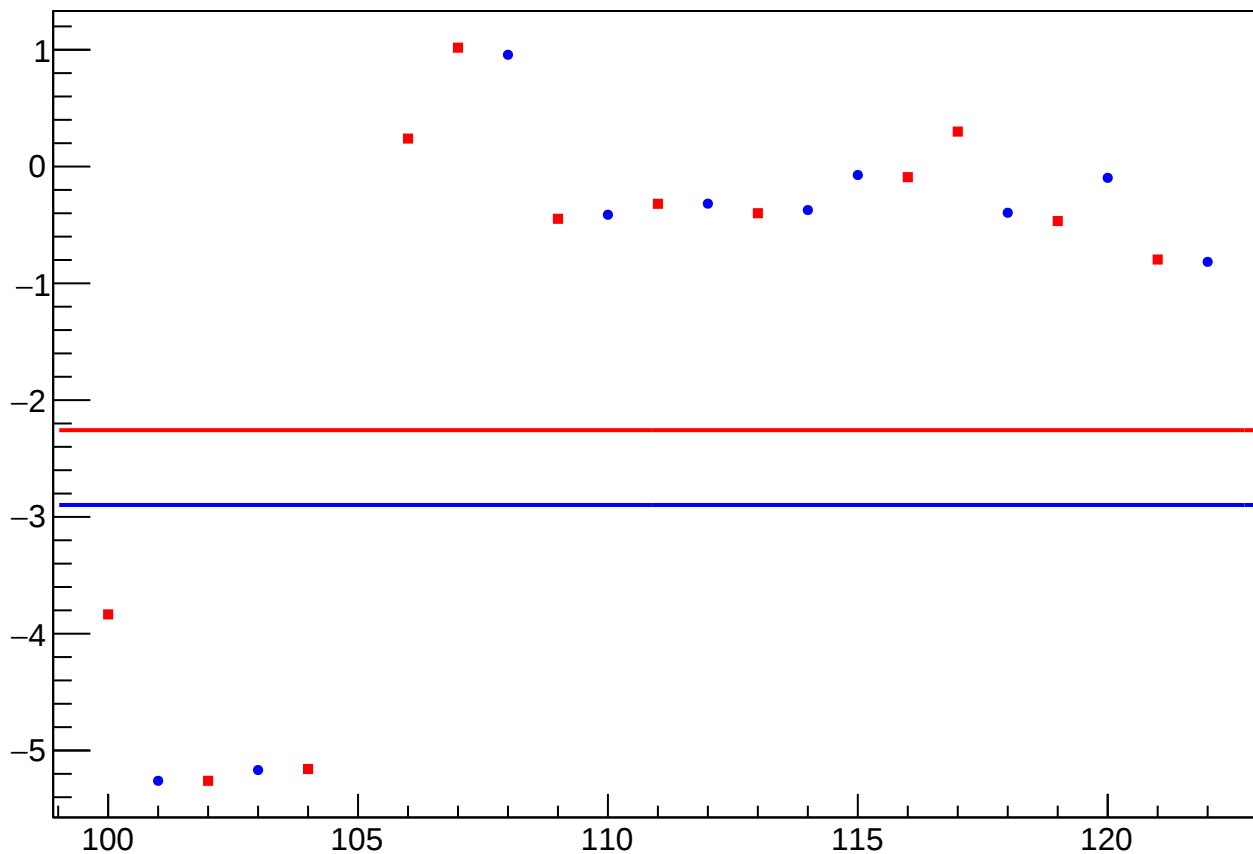
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 5248139.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 3873810.9/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 5248139.7/11

# yield\_bpm0l04X\_mean vs Slug



Right In: -2.898+/-0.000  $\chi^2/\text{NDF}$ : 95239901217.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

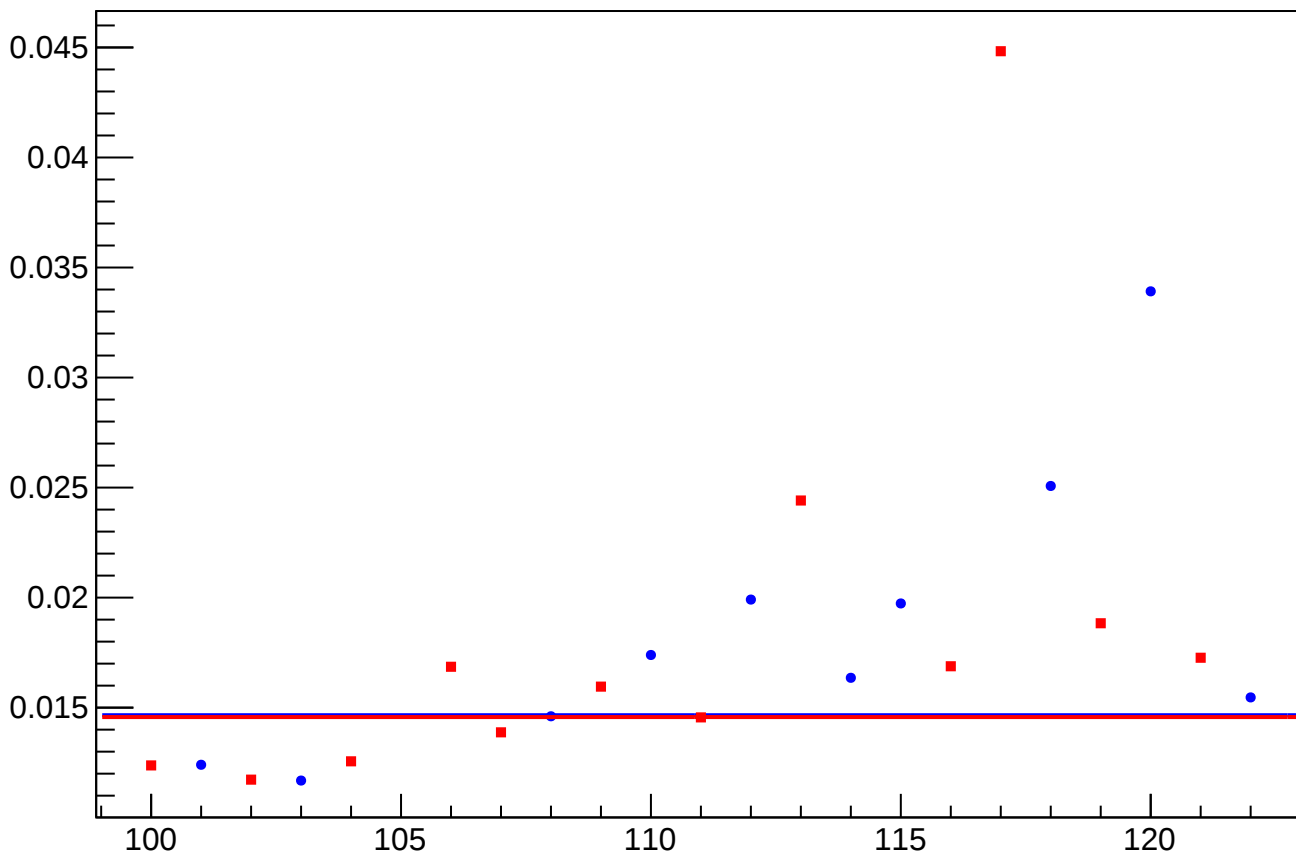
Right Out: -2.257+/-0.000  $\chi^2/\text{NDF}$ : 111594152349.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2.898+/-0.000  $\chi^2/\text{NDF}$ : 95239901217.7/9

-2.257+/-0.000  $\chi^2/\text{NDF}$ : 111594152349.9/11

# yield\_bpm0l04X\_rms vs Slug



Right In: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 496259.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

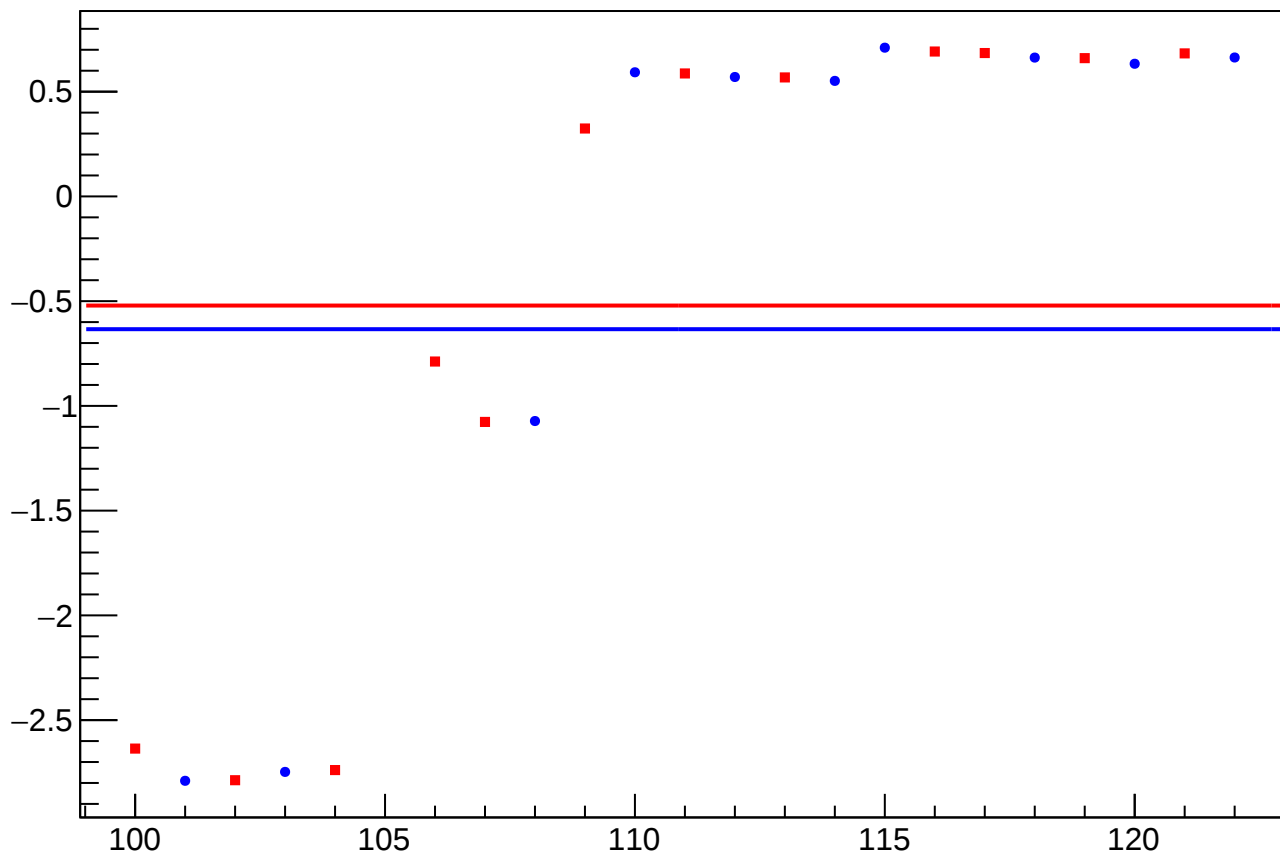
Right Out: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 307172.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.015+/-0.000  $\chi^2/\text{NDF}$ : 496259.9/9

0.015+/-0.000  $\chi^2/\text{NDF}$ : 307172.3/11

# yield\_bpm0l04Y\_mean vs Slug



Right In: -0.634+/-0.000  $\chi^2/\text{NDF}$ : 572485066101.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

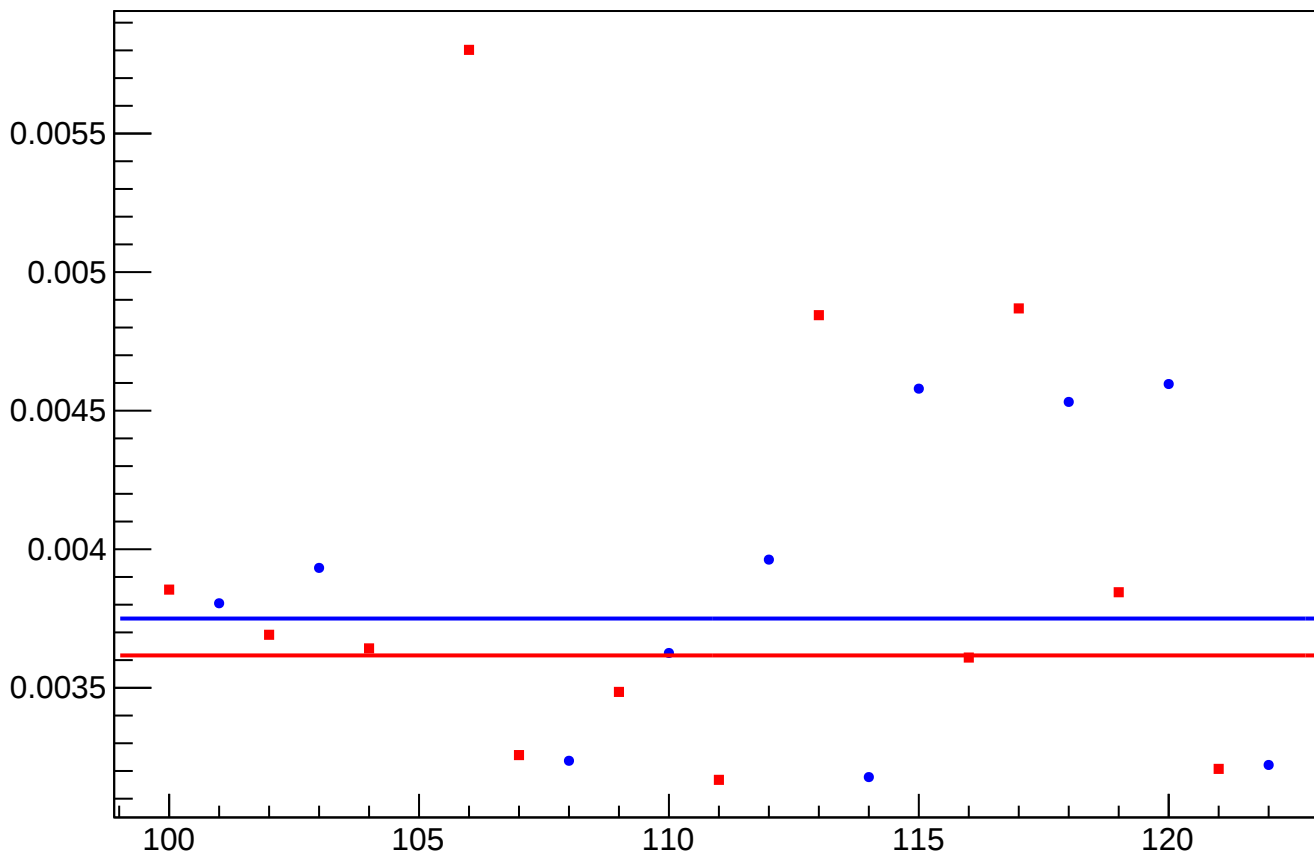
Right Out: -0.521+/-0.000  $\chi^2/\text{NDF}$ : 635765380033.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.634+/-0.000  $\chi^2/\text{NDF}$ : 572485066101.2/9

-0.521+/-0.000  $\chi^2/\text{NDF}$ : 635765380033.8/11

# yield\_bpm0l04Y\_rms vs Slug



Right In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 107189.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

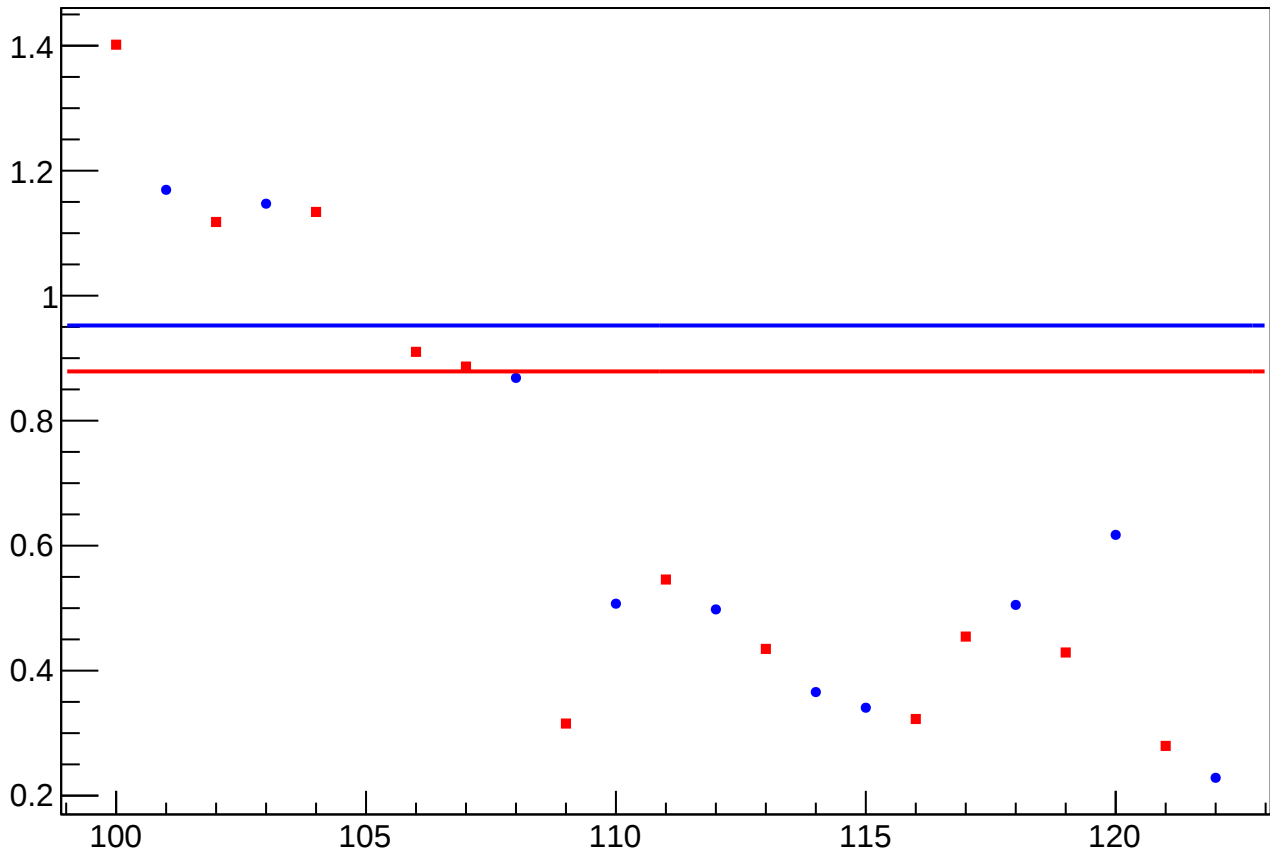
Right Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 173849.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.004+/-0.000  $\chi^2/\text{NDF}$ : 107189.0/9

0.004+/-0.000  $\chi^2/\text{NDF}$ : 173849.2/11

# yield\_bpm0l05X\_mean vs Slug



Right In: 0.952+/-0.000  $\chi^2/\text{NDF}$ : 10147470738.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

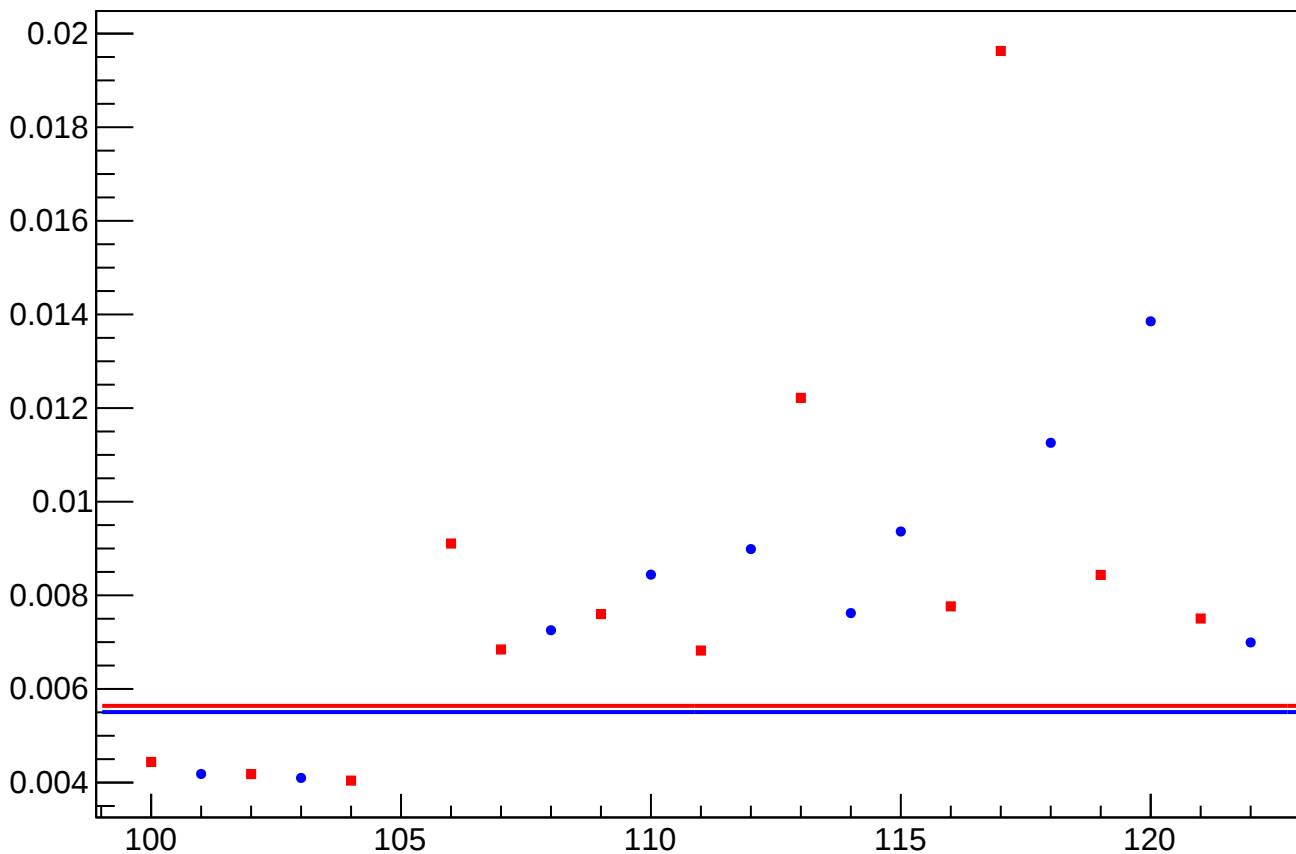
0.952+/-0.000  $\chi^2/\text{NDF}$ : 10147470738.3/9

Right Out: 0.879+/-0.000  $\chi^2/\text{NDF}$ : 12757084761.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.879+/-0.000  $\chi^2/\text{NDF}$ : 12757084761.9/11

# yield\_bpm0l05X\_rms vs Slug



Right In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 951933.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

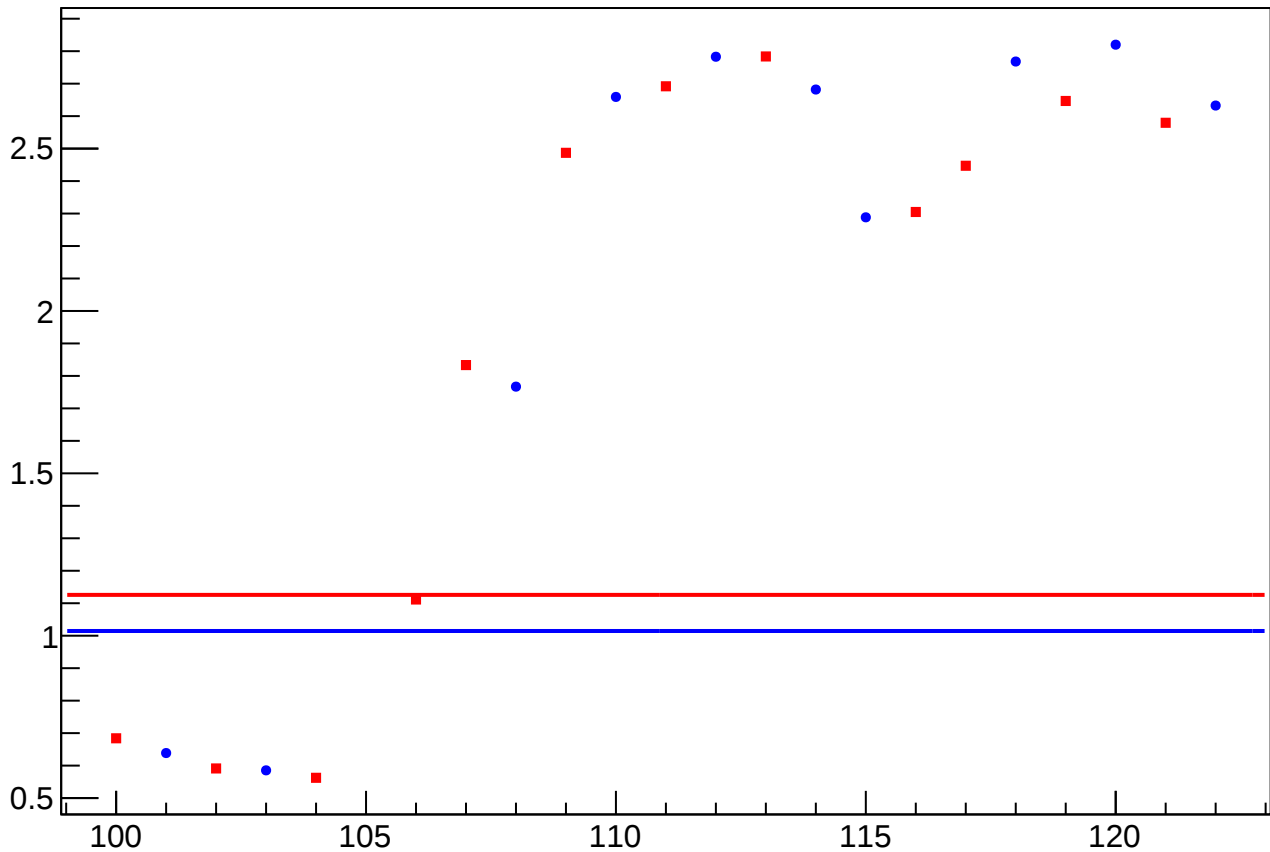
Right Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 837688.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.006+/-0.000  $\chi^2/\text{NDF}$ : 951933.0/9

0.006+/-0.000  $\chi^2/\text{NDF}$ : 837688.3/11

# yield\_bpm0l05Y\_mean vs Slug



Right In: 1.015+/-0.000  $\chi^2/\text{NDF}$ : 62733141732.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

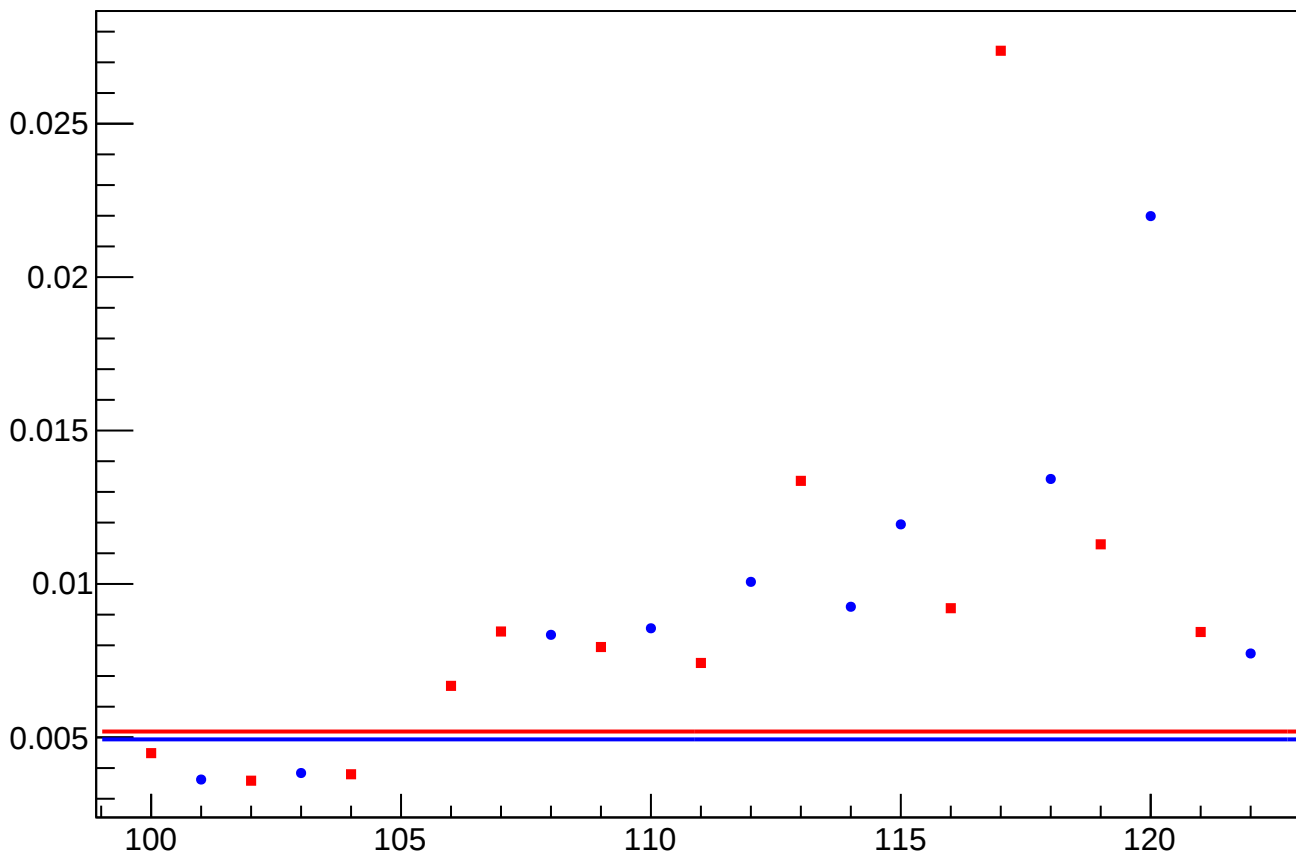
1.015+/-0.000  $\chi^2/\text{NDF}$ : 62733141732.5/9

Right Out: 1.126+/-0.000  $\chi^2/\text{NDF}$ : 80537232664.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

1.126+/-0.000  $\chi^2/\text{NDF}$ : 80537232664.1/11

# yield\_bpm0l05Y\_rms vs Slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 1374090.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

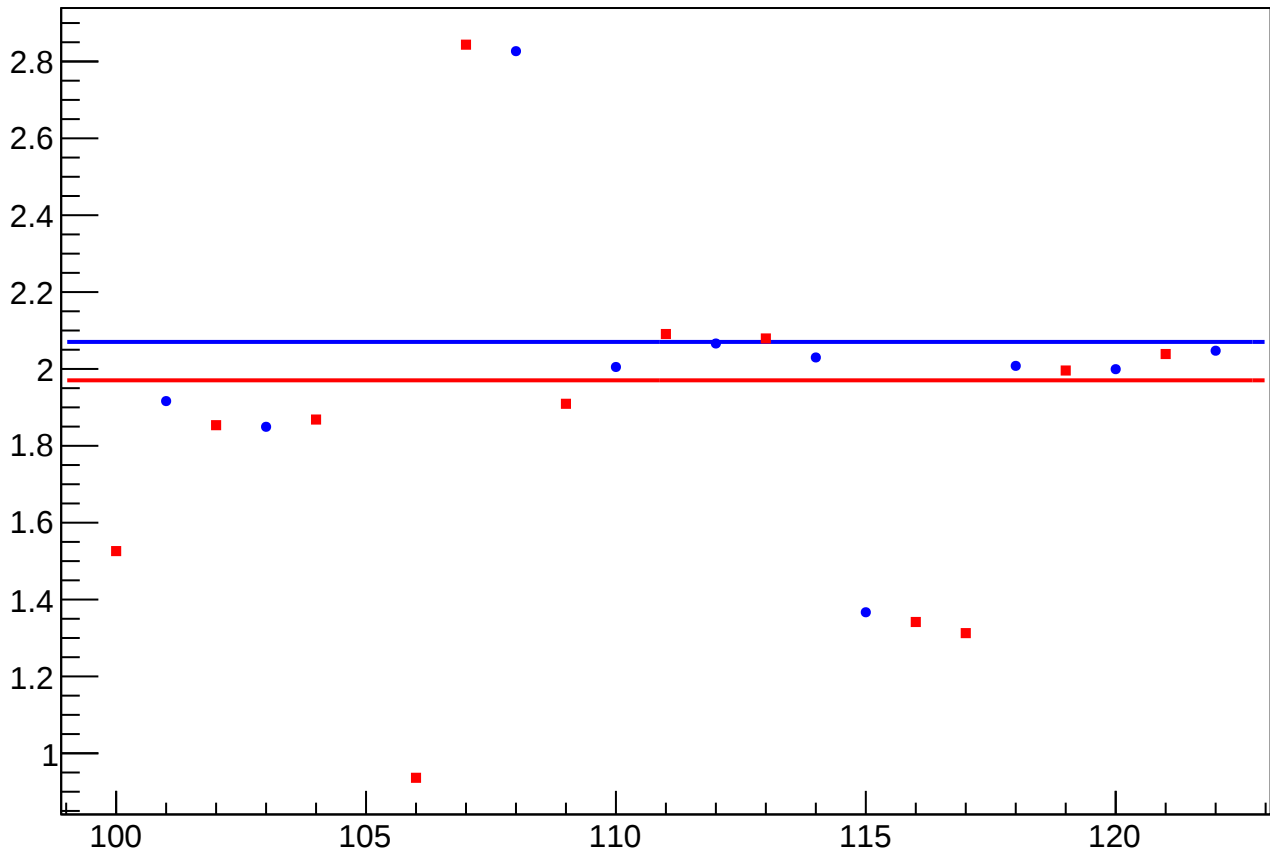
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 1260573.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 1374090.6/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 1260573.2/11

# yield\_bpm0l06X\_mean vs Slug



Right In: 2.070+/-0.000  $\chi^2/\text{NDF}$ : 7388583948.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

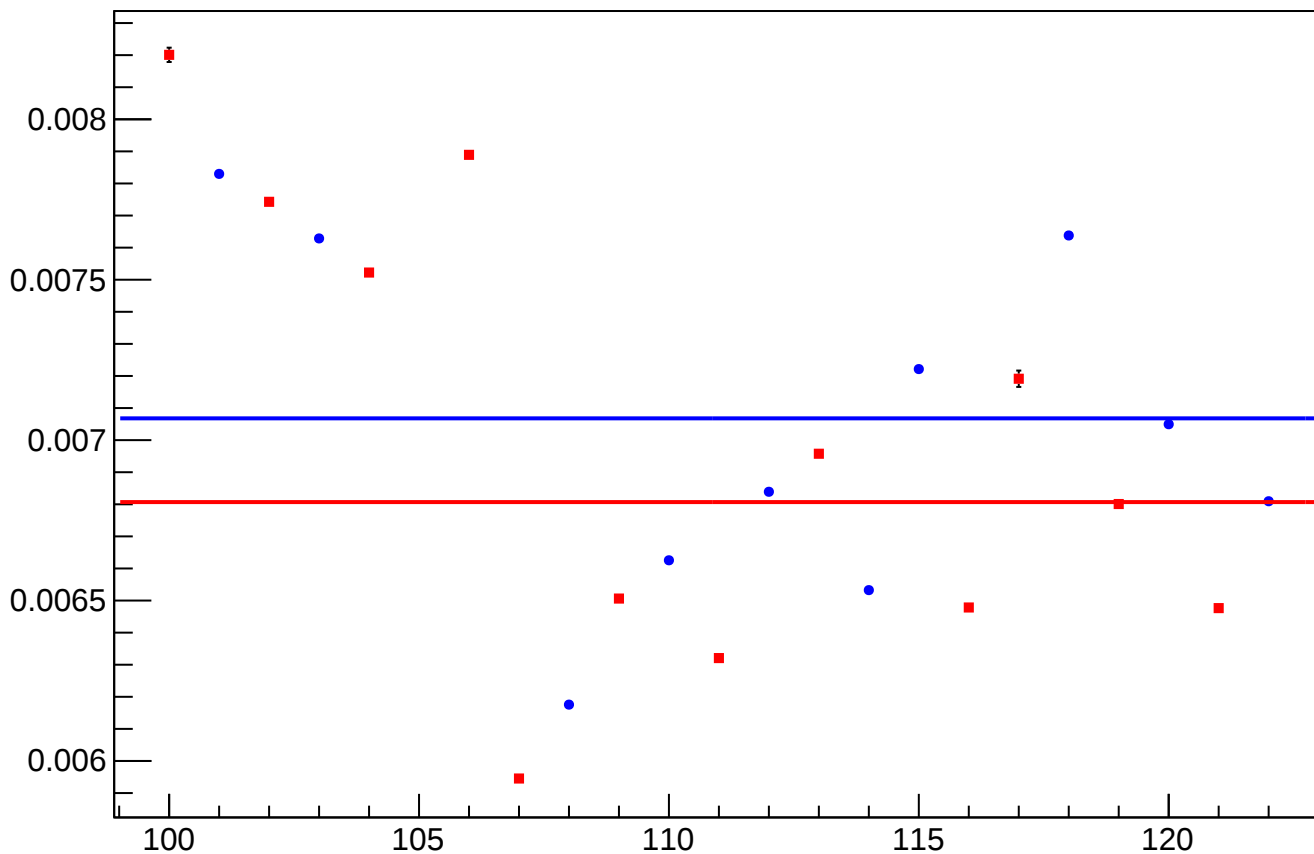
2.070+/-0.000  $\chi^2/\text{NDF}$ : 7388583948.0/9

Right Out: 1.970+/-0.000  $\chi^2/\text{NDF}$ : 15396831020.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.970+/-0.000  $\chi^2/\text{NDF}$ : 15396831020.6/11

# yield\_bpm0l06X\_rms vs Slug



Right In: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 42954.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

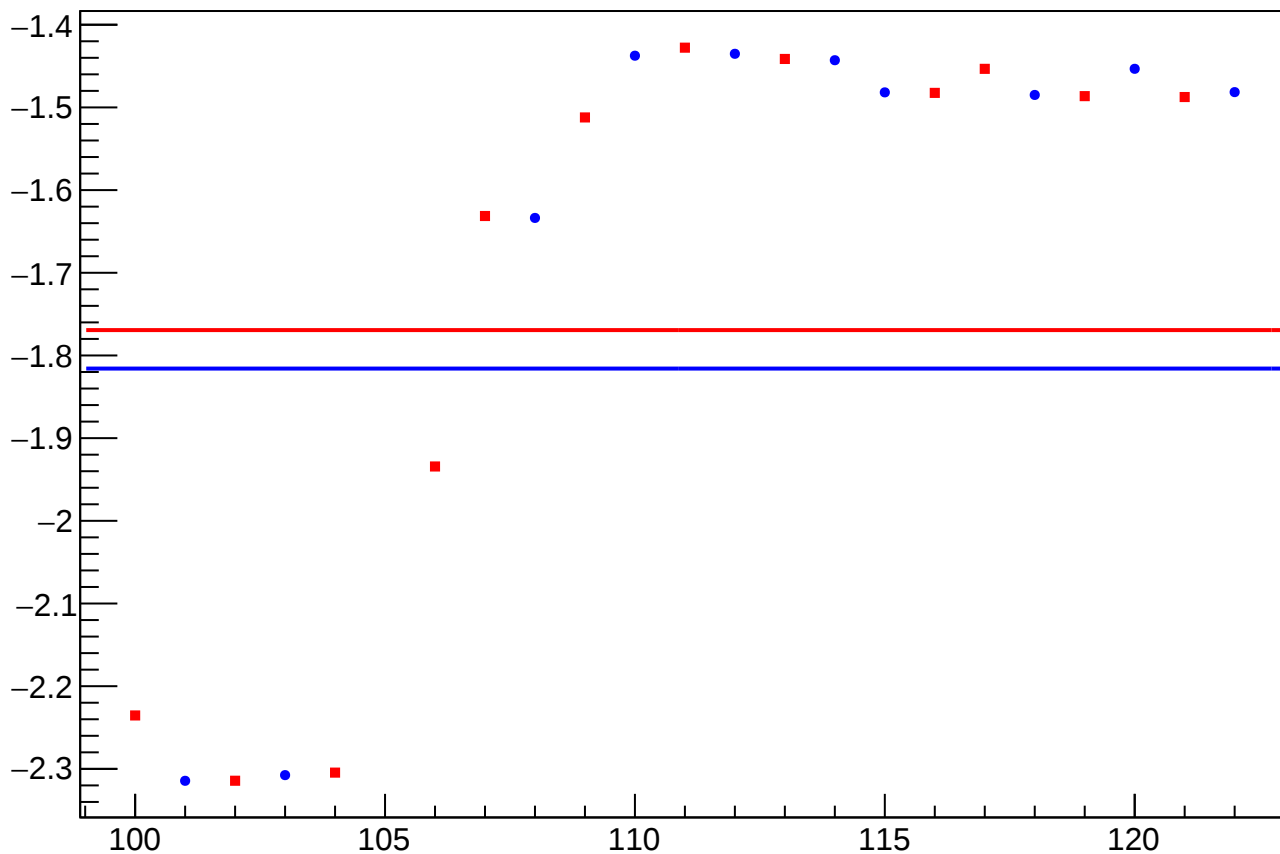
Right Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 63183.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.007+/-0.000  $\chi^2/\text{NDF}$ : 42954.5/9

0.007+/-0.000  $\chi^2/\text{NDF}$ : 63183.7/11

# yield\_bpm0l06Y\_mean vs Slug



Right In: -1.816+/-0.000  $\chi^2/\text{NDF}$ : 79349297219.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

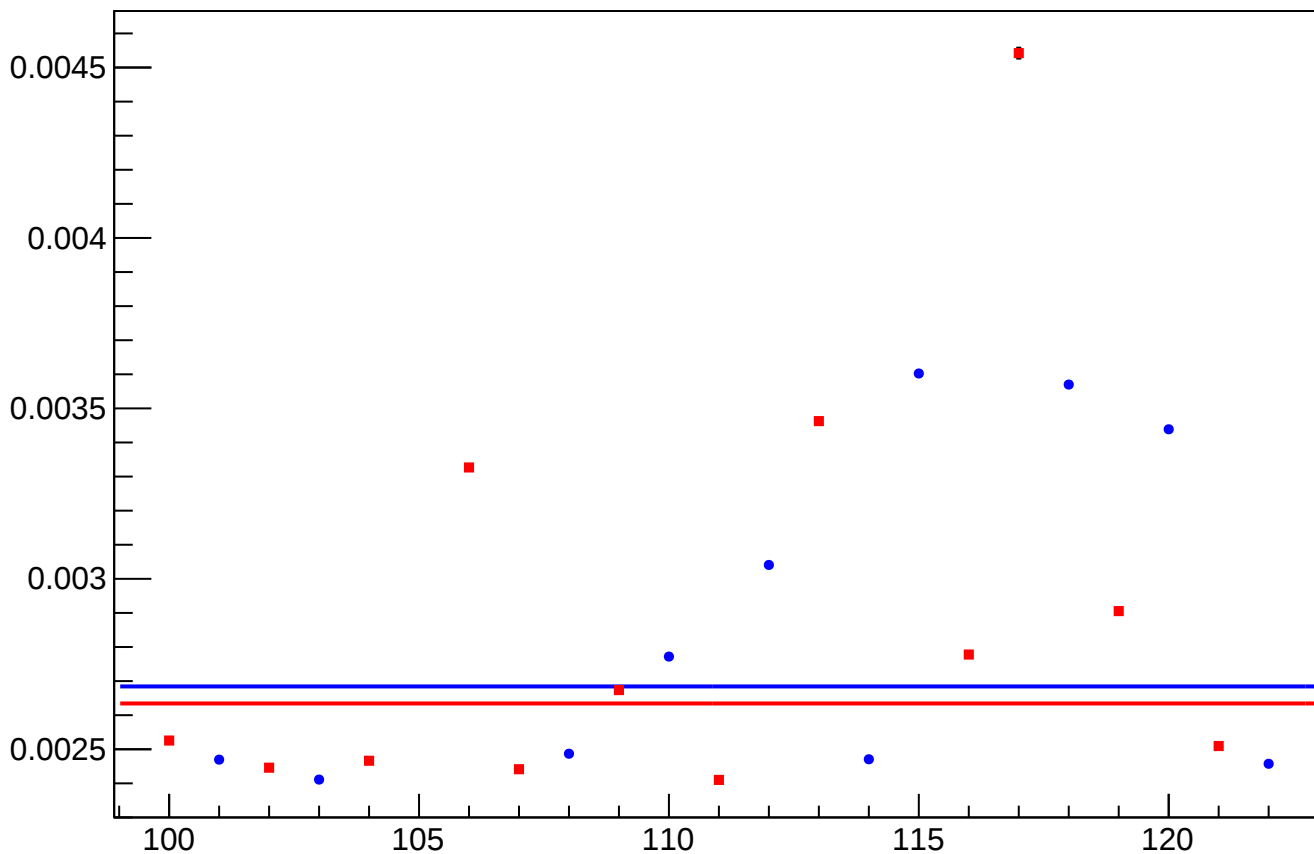
Right Out: -1.769+/-0.000  $\chi^2/\text{NDF}$ : 81541570588.9/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.816+/-0.000  $\chi^2/\text{NDF}$ : 79349297219.3/9

-1.769+/-0.000  $\chi^2/\text{NDF}$ : 81541570588.9/11

# yield\_bpm0l06Y\_rms vs Slug



Right In: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 146101.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

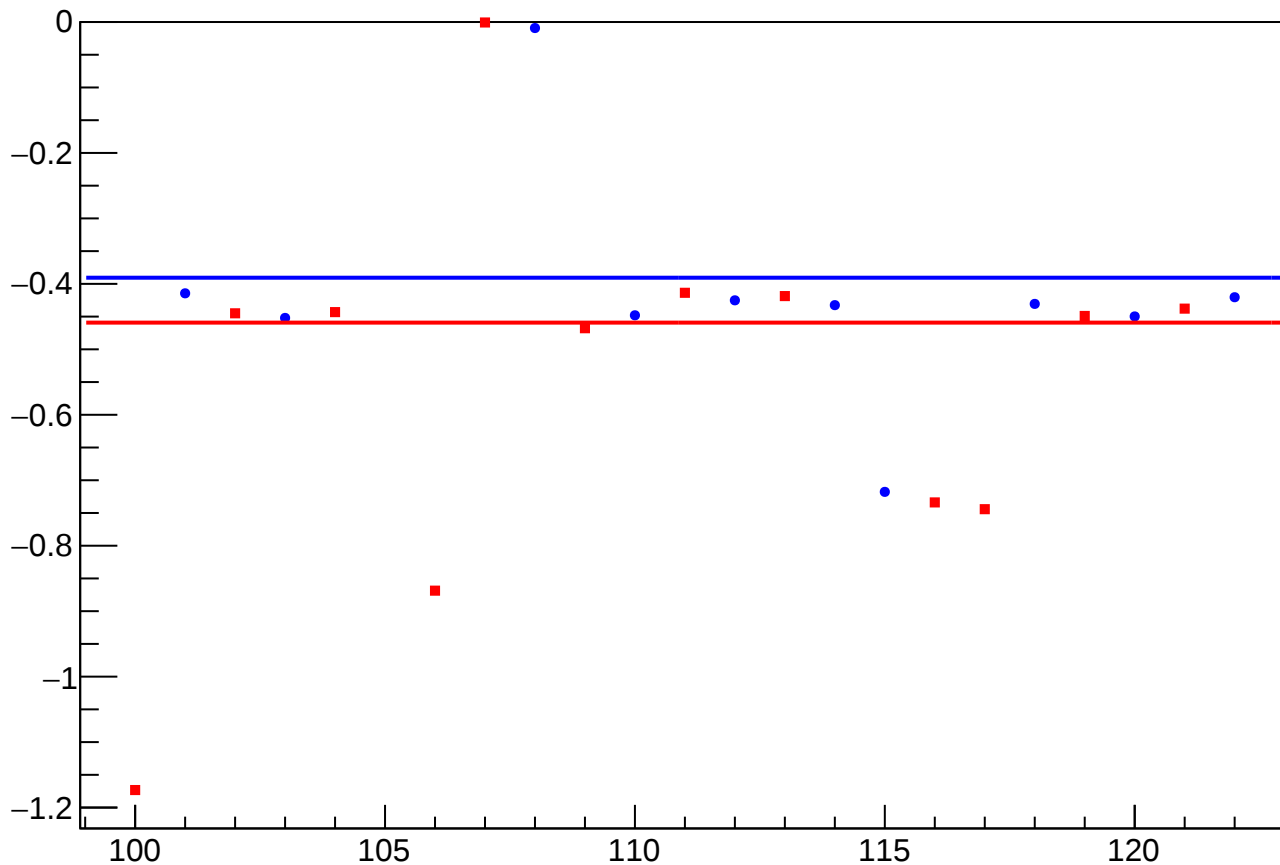
Right Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 113180.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.003+/-0.000  $\chi^2/\text{NDF}$ : 146101.7/9

0.003+/-0.000  $\chi^2/\text{NDF}$ : 113180.3/11

# yield\_bpm0l07X\_mean vs Slug



Right In: -0.391+/-0.000  $\chi^2/\text{NDF}$ : 656689548.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

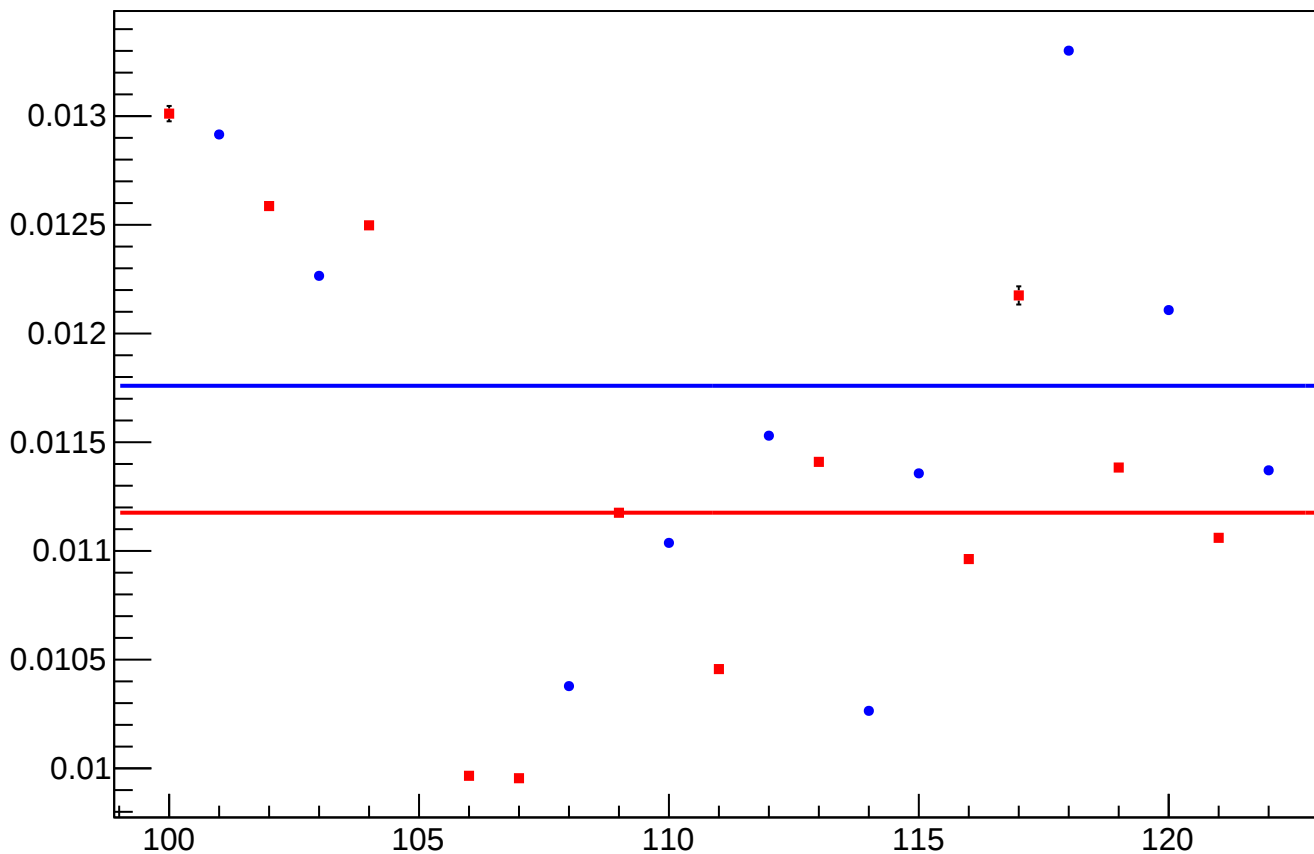
Right Out: -0.459+/-0.000  $\chi^2/\text{NDF}$ : 1631010622.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.391+/-0.000  $\chi^2/\text{NDF}$ : 656689548.4/9

-0.459+/-0.000  $\chi^2/\text{NDF}$ : 1631010622.1/11

# yield\_bpm0l07X\_rms vs Slug



Right In: 0.012+/-0.000  $\chi^2/\text{NDF}$ : 46549.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

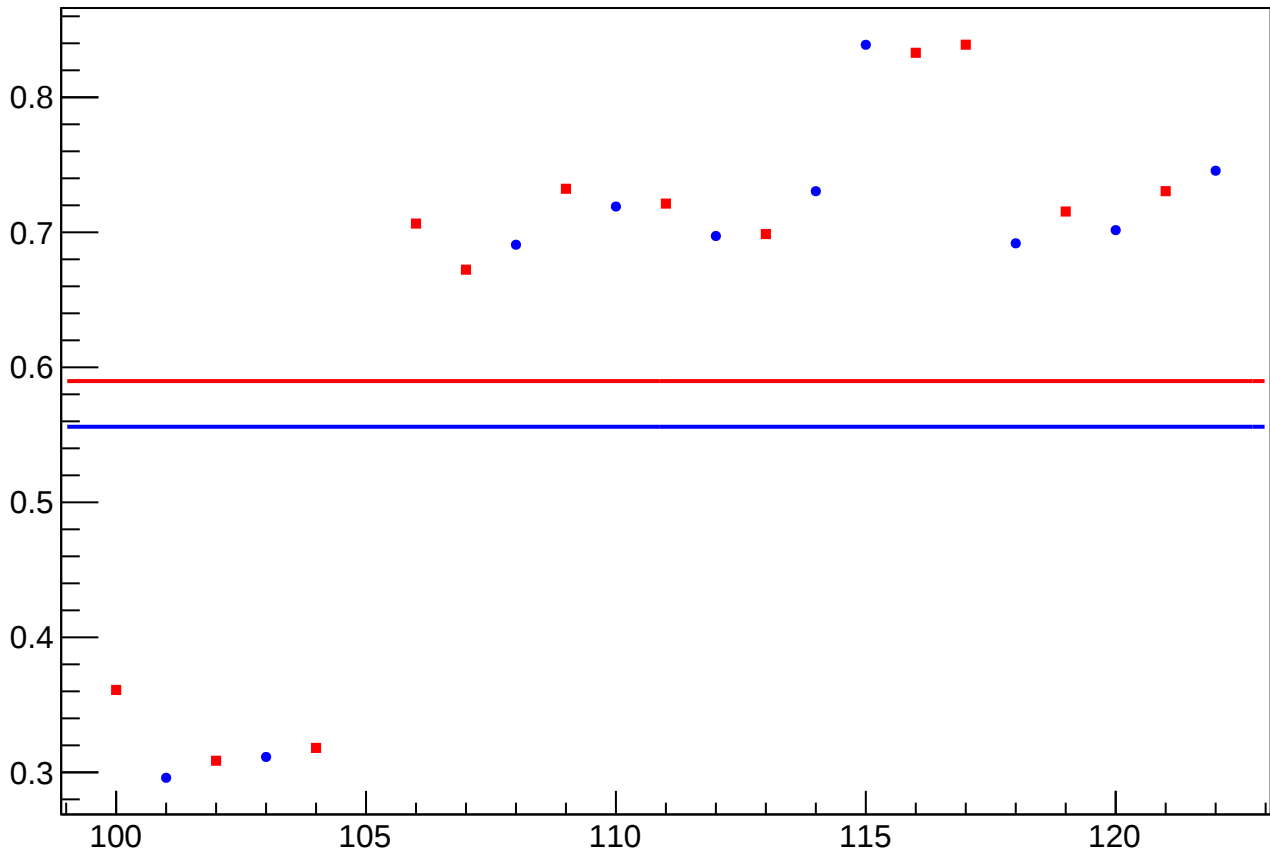
Right Out: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 51452.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.012+/-0.000  $\chi^2/\text{NDF}$ : 46549.1/9

0.011+/-0.000  $\chi^2/\text{NDF}$ : 51452.5/11

# yield\_bpm0l07Y\_mean vs Slug



Right In: 0.556+/-0.000  $\chi^2/\text{NDF}$ : 20840631772.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

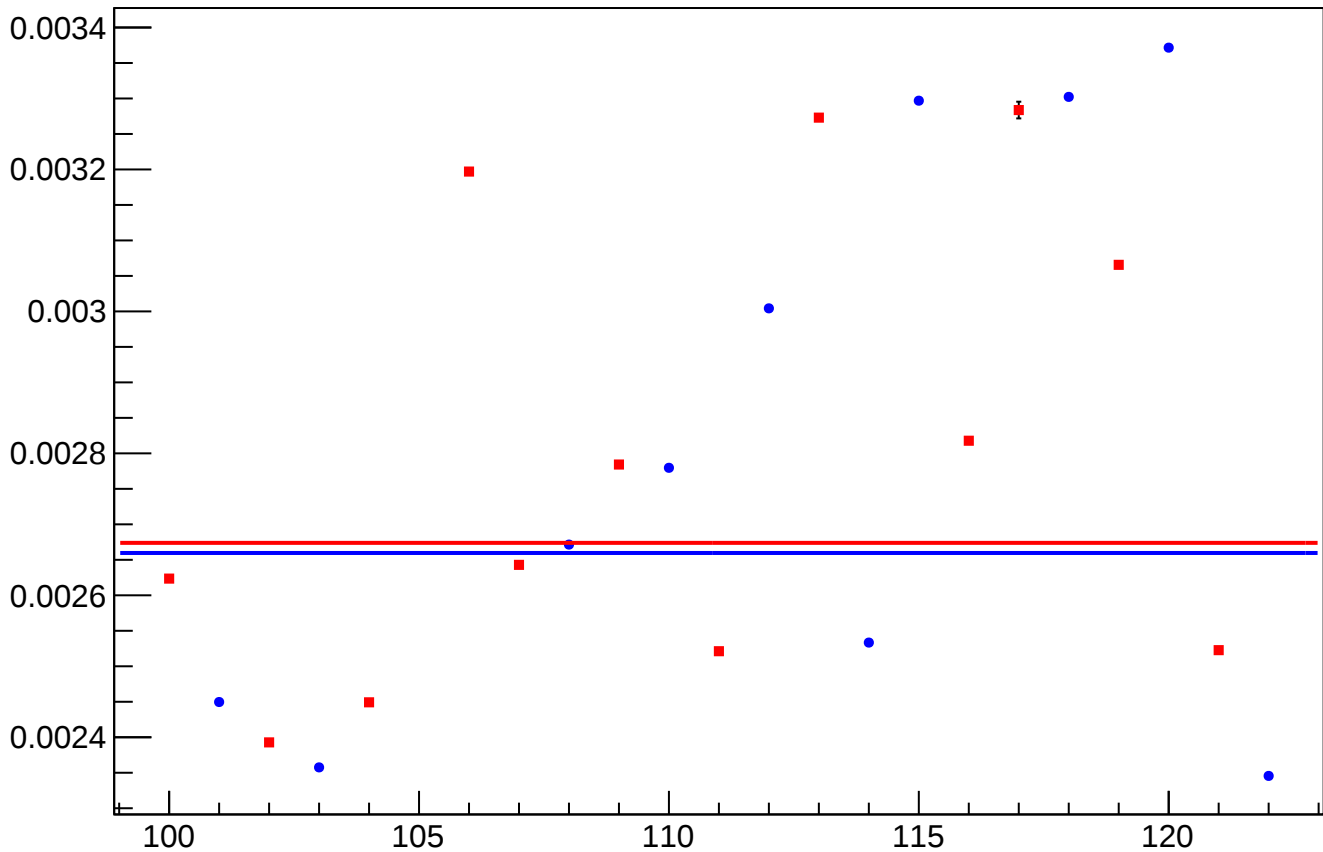
0.556+/-0.000  $\chi^2/\text{NDF}$ : 20840631772.2/9

Right Out: 0.590+/-0.000  $\chi^2/\text{NDF}$ : 21172143421.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.590+/-0.000  $\chi^2/\text{NDF}$ : 21172143421.8/11

# yield\_bpm0l07Y\_rms vs Slug



Right In: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 124293.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

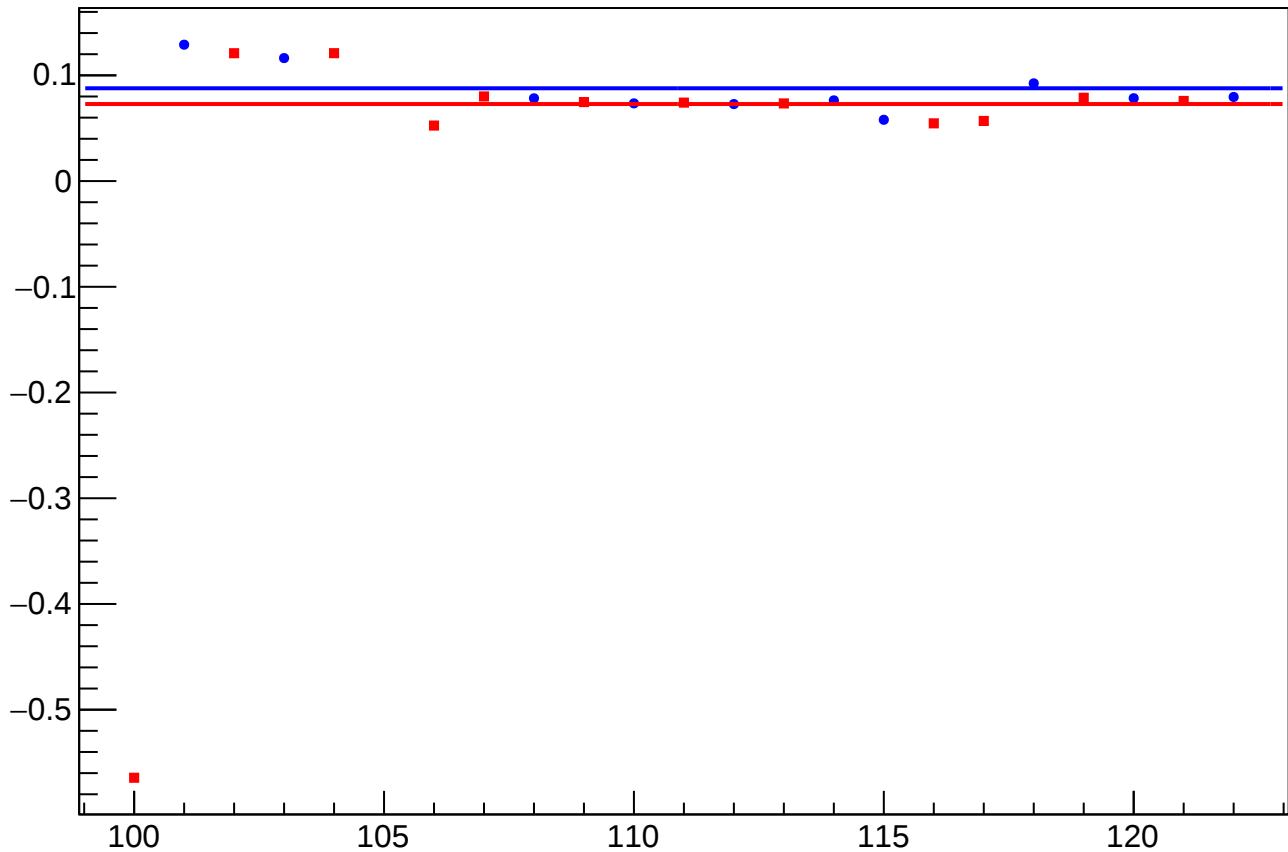
Right Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 87121.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.003+/-0.000  $\chi^2/\text{NDF}$ : 124293.7/9

0.003+/-0.000  $\chi^2/\text{NDF}$ : 87121.5/11

yield\_bpm0l08X\_mean vs Slug



Right In: 0.088+/-0.000  $\chi^2/\text{NDF}$ : 14839128.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

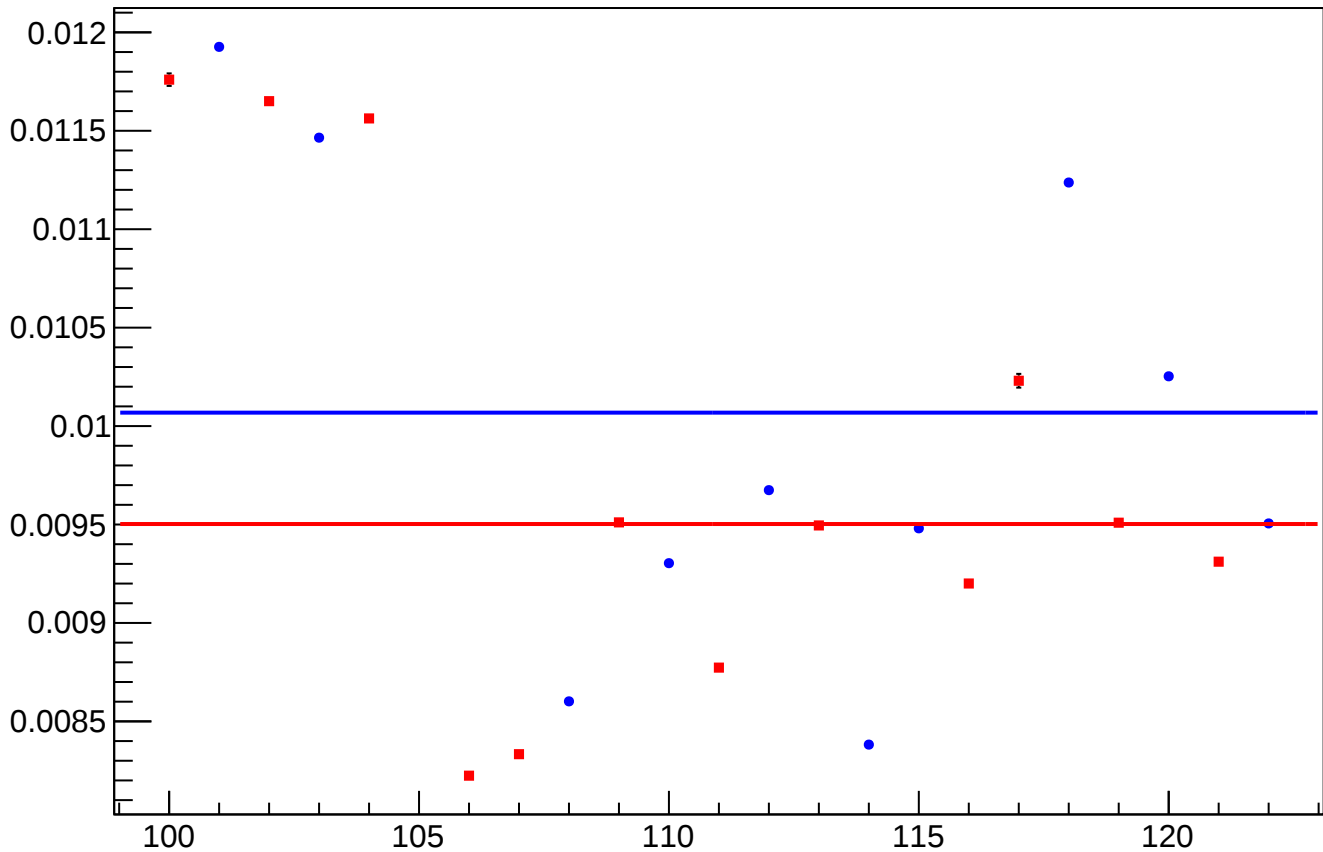
0.088+/-0.000  $\chi^2/\text{NDF}$ : 14839128.2/9

Right Out: 0.073+/-0.000  $\chi^2/\text{NDF}$ : 220821358.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.073+/-0.000  $\chi^2/\text{NDF}$ : 220821358.7/11

# yield\_bpm0l08X\_rms vs Slug



Right In: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 95151.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

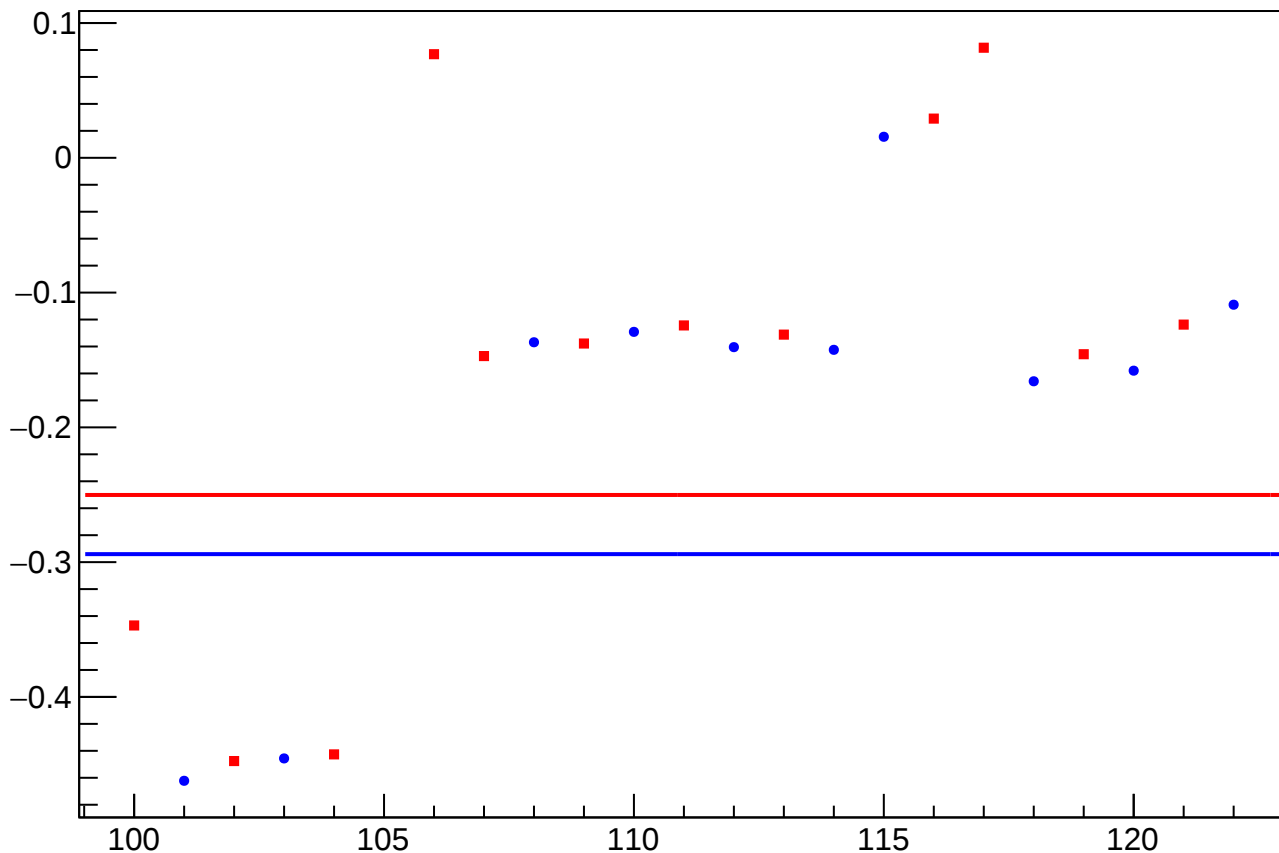
Right Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 106657.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.010+/-0.000  $\chi^2/\text{NDF}$ : 95151.9/9

0.010+/-0.000  $\chi^2/\text{NDF}$ : 106657.2/11

# yield\_bpm0l08Y\_mean vs Slug



Right In: -0.294+/-0.000  $\chi^2/\text{NDF}$ : 4654695175.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

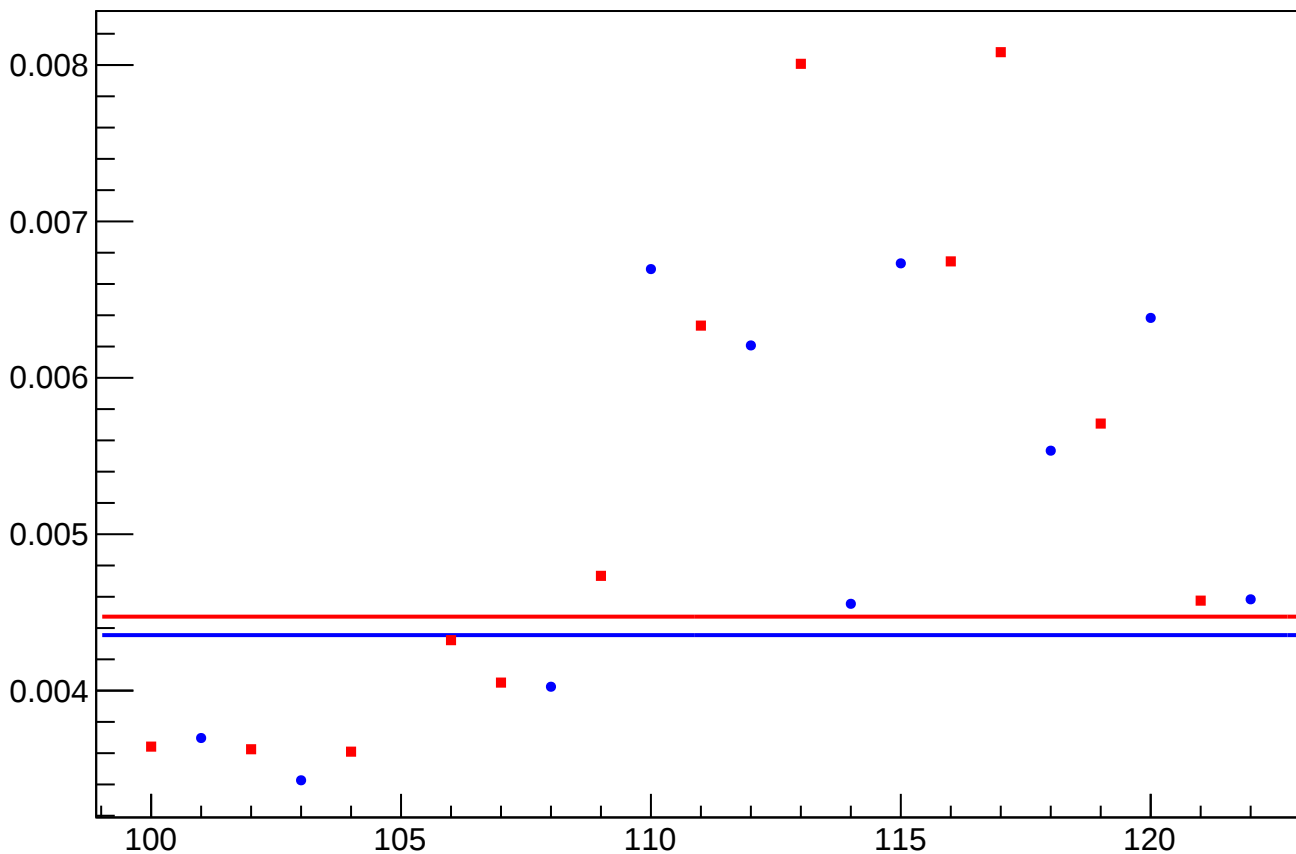
Right Out: -0.250+/-0.000  $\chi^2/\text{NDF}$ : 5723355321.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.294+/-0.000  $\chi^2/\text{NDF}$ : 4654695175.5/9

-0.250+/-0.000  $\chi^2/\text{NDF}$ : 5723355321.7/11

# yield\_bpm0l08Y\_rms vs Slug



Right In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 406697.5/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

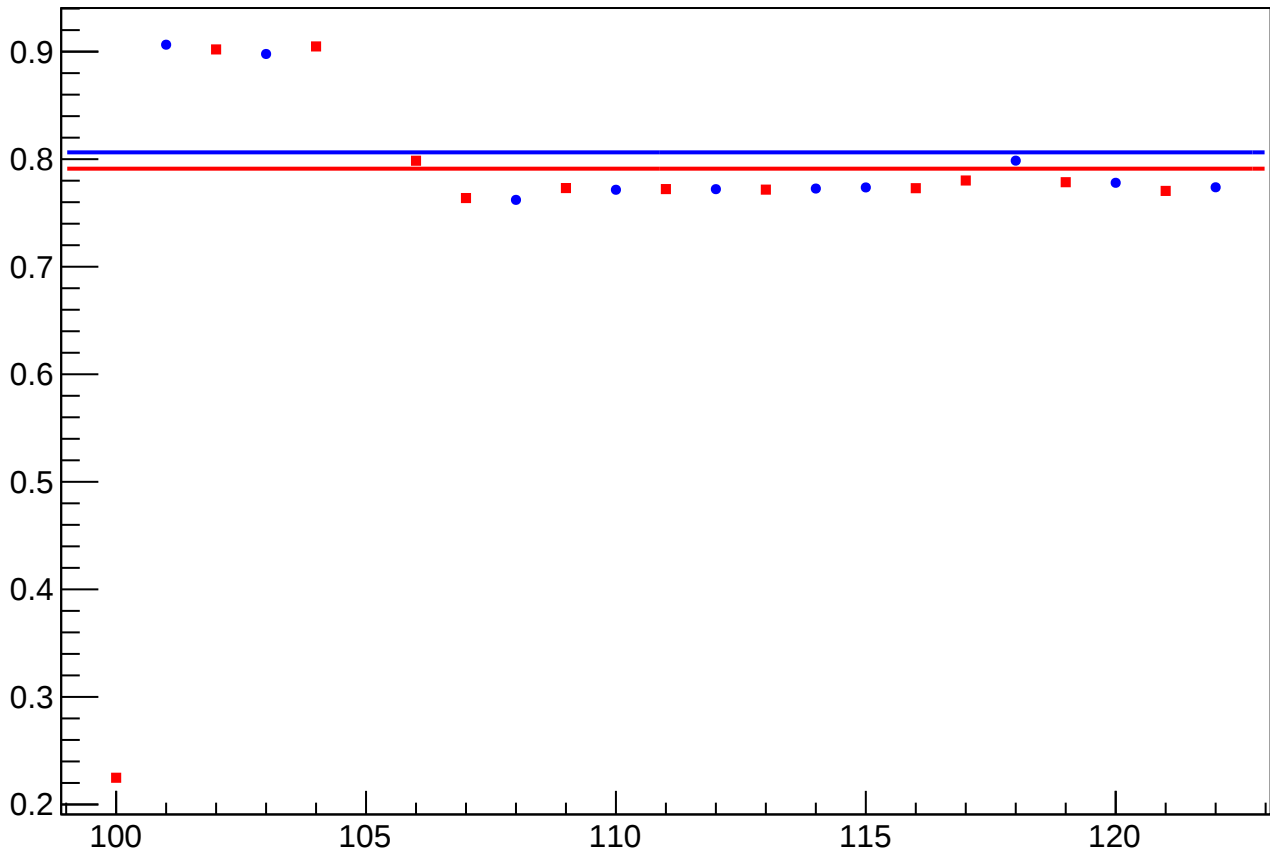
Right Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 472367.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.004+/-0.000  $\chi^2/\text{NDF}$ : 406697.5/9

0.004+/-0.000  $\chi^2/\text{NDF}$ : 472367.7/11

# yield\_bpm0l09X\_mean vs Slug



Right In: 0.806+/-0.000  $\chi^2/\text{NDF}$ : 90512748.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

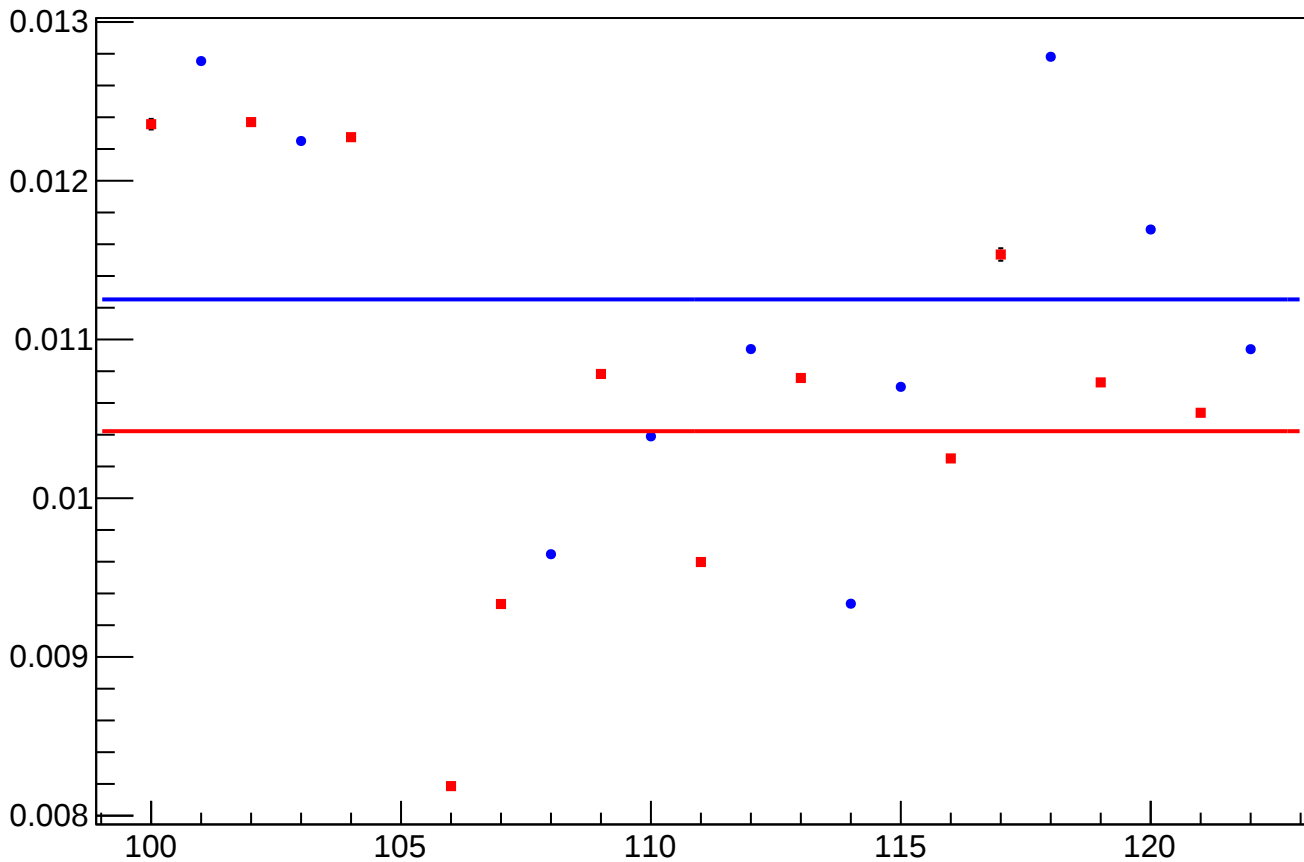
0.806+/-0.000  $\chi^2/\text{NDF}$ : 90512748.7/9

Right Out: 0.791+/-0.000  $\chi^2/\text{NDF}$ : 237669660.6/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.791+/-0.000  $\chi^2/\text{NDF}$ : 237669660.6/11

# yield\_bpm0l09X\_rms vs Slug



Right In: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 74174.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

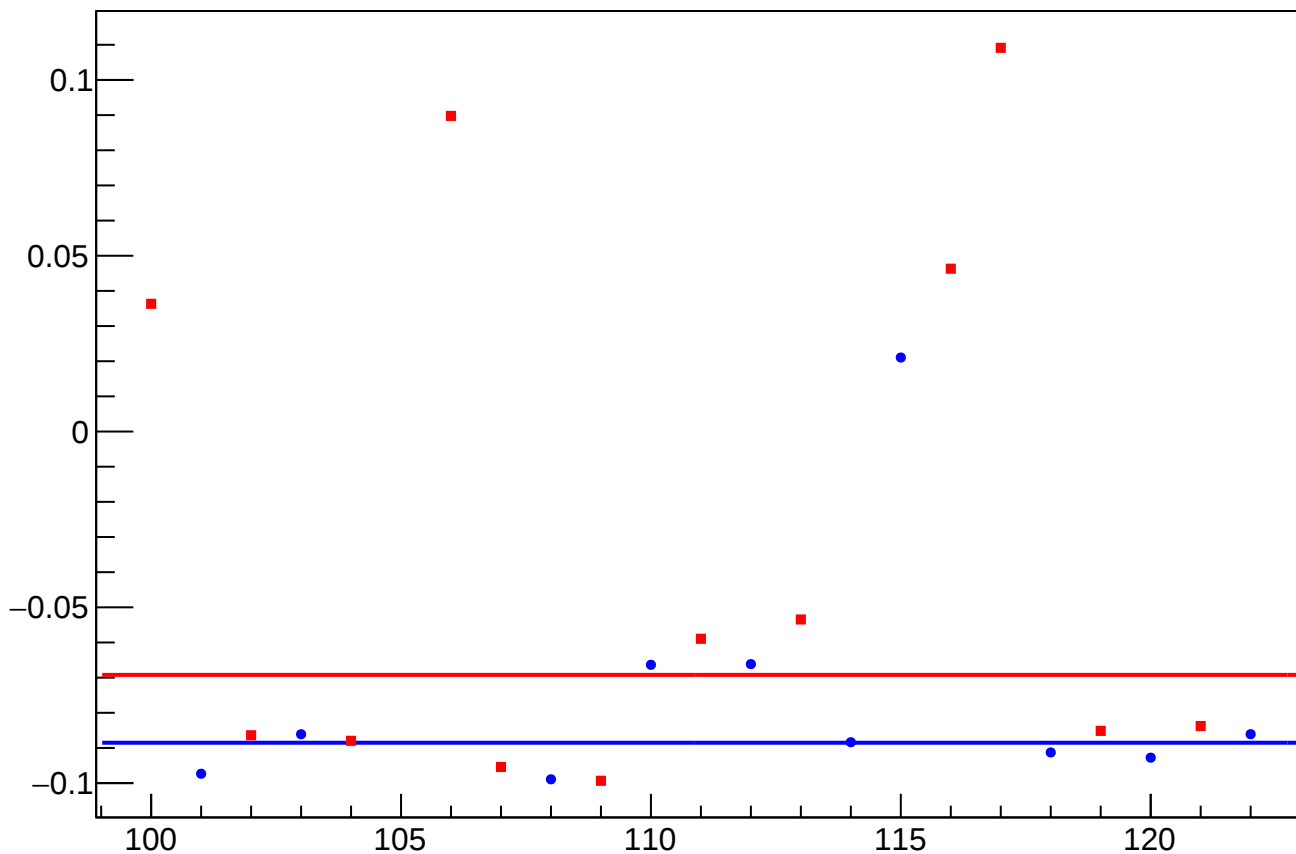
Right Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 114677.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.011+/-0.000  $\chi^2/\text{NDF}$ : 74174.6/9

0.010+/-0.000  $\chi^2/\text{NDF}$ : 114677.0/11

# yield\_bpm0l09Y\_mean vs Slug



Right In: -0.089+/-0.000  $\chi^2/\text{NDF}$ : 35178356.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

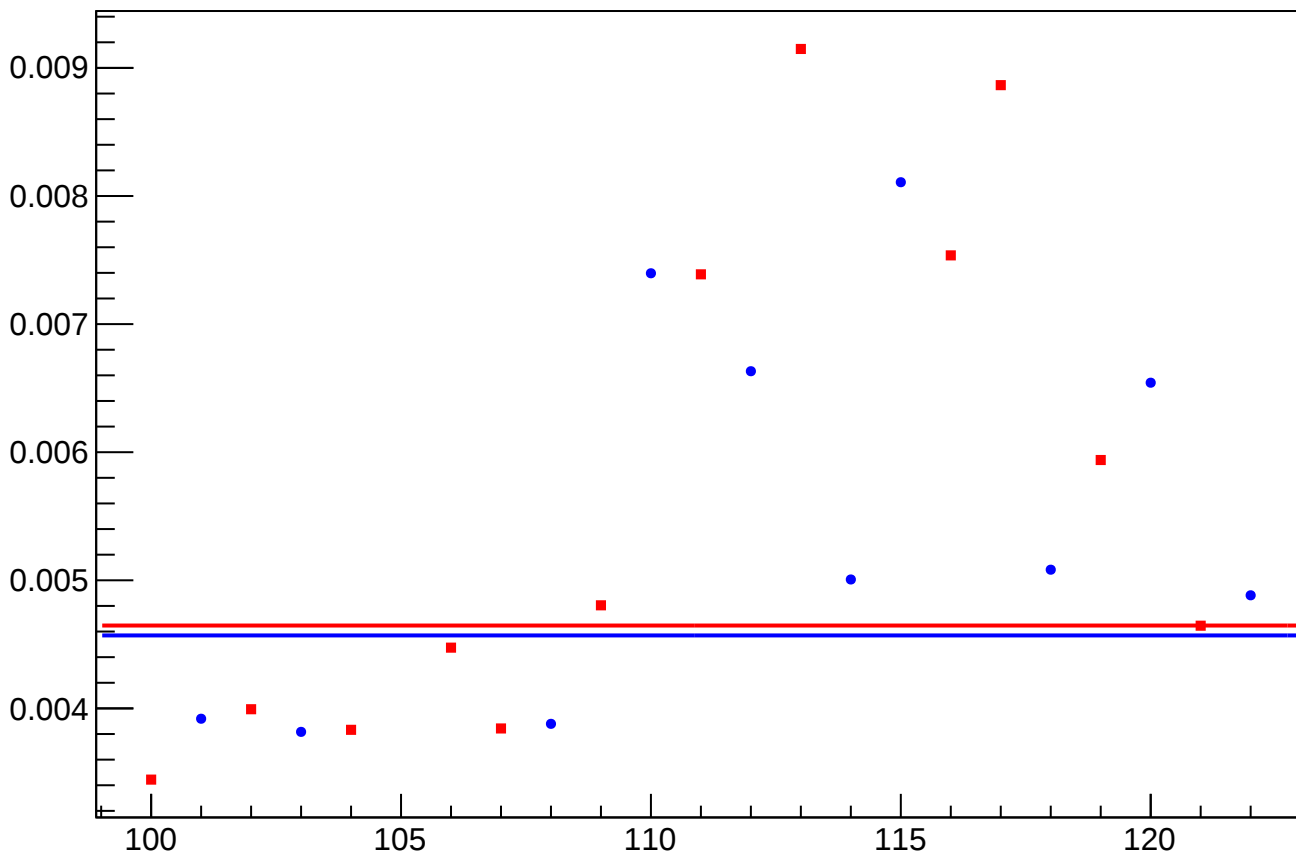
Right Out: -0.069+/-0.000  $\chi^2/\text{NDF}$ : 440886766.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.089+/-0.000  $\chi^2/\text{NDF}$ : 35178356.4/9

-0.069+/-0.000  $\chi^2/\text{NDF}$ : 440886766.7/11

# yield\_bpm0l09Y\_rms vs Slug



Right In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 374580.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

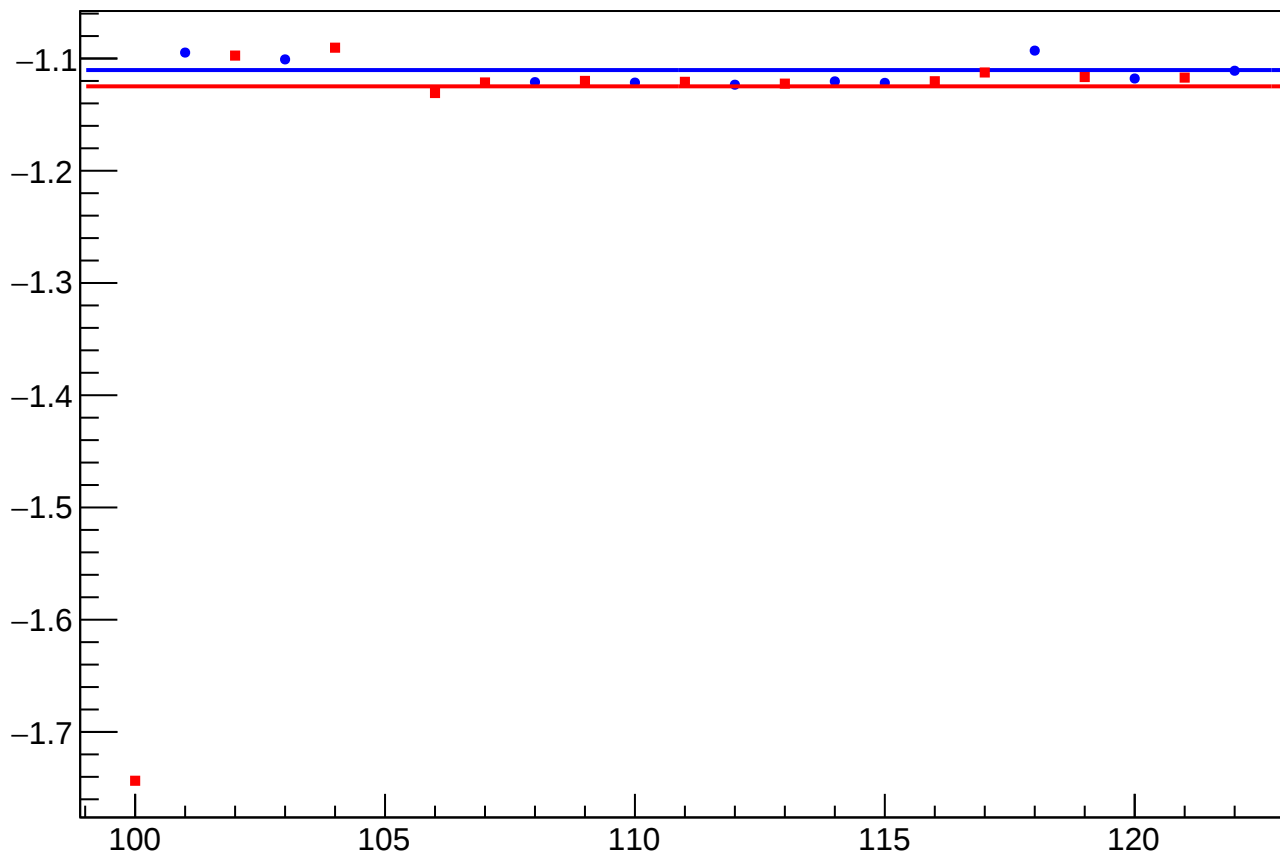
Right Out: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 548587.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.005+/-0.000  $\chi^2/\text{NDF}$ : 374580.6/9

0.005+/-0.000  $\chi^2/\text{NDF}$ : 548587.1/11

# yield\_bpm0l10X\_mean vs Slug



Right In: -1.110+/-0.000  $\chi^2/\text{NDF}$ : 3580918.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

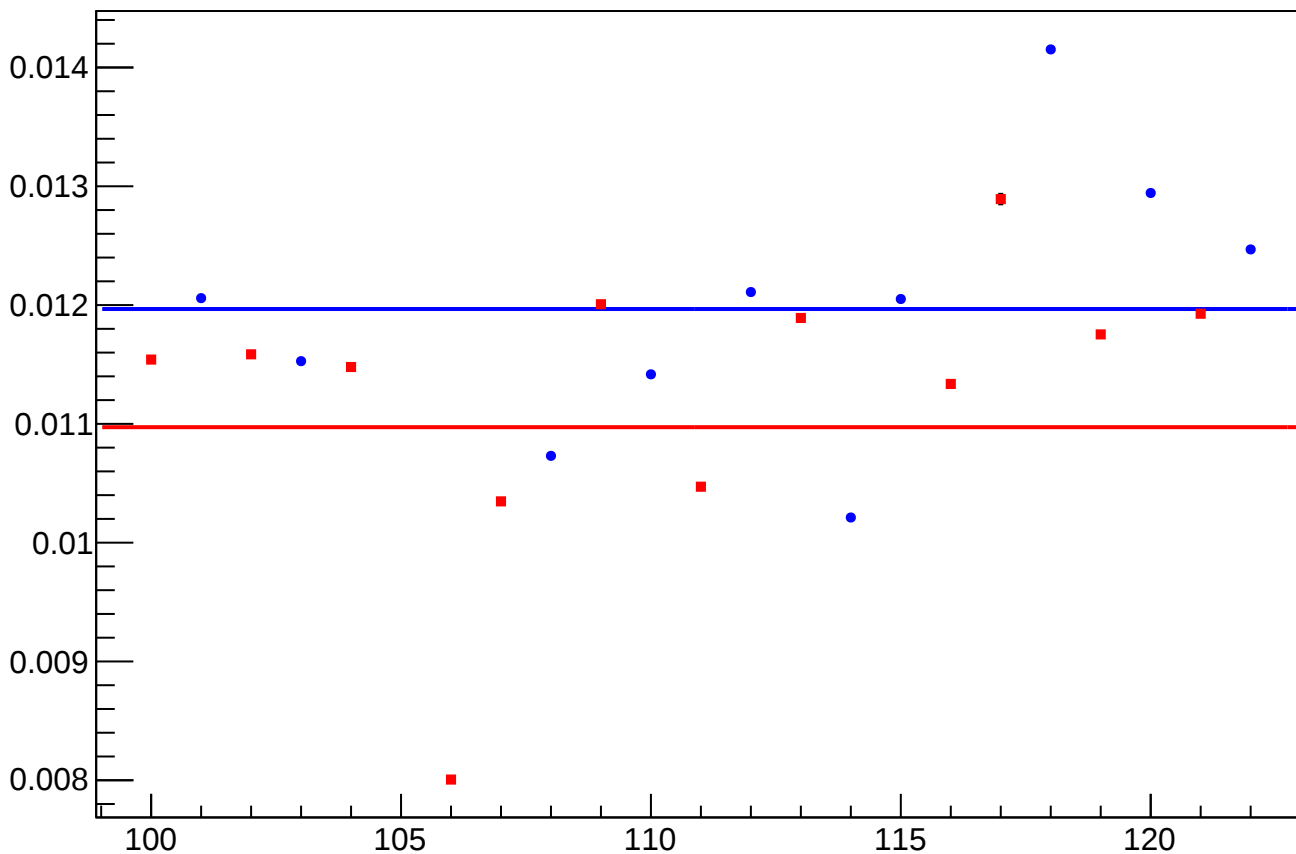
Right Out: -1.125+/-0.000  $\chi^2/\text{NDF}$ : 205057222.5/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1.110+/-0.000  $\chi^2/\text{NDF}$ : 3580918.2/9

-1.125+/-0.000  $\chi^2/\text{NDF}$ : 205057222.5/11

# yield\_bpm0l10X\_rms vs Slug



Right In: 0.012+/-0.000  $\chi^2/\text{NDF}$ : 46770.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

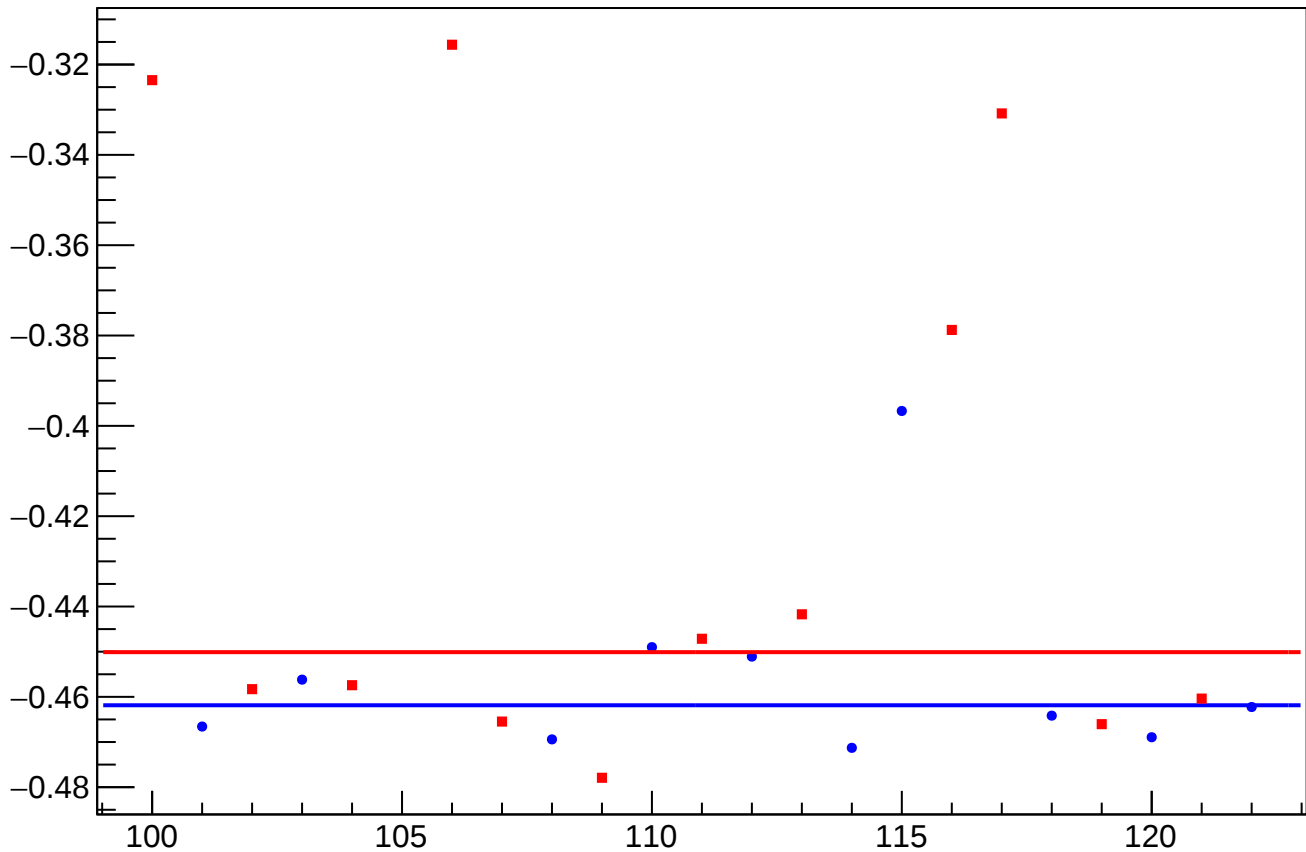
Right Out: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 114581.1/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.012+/-0.000  $\chi^2/\text{NDF}$ : 46770.1/9

0.011+/-0.000  $\chi^2/\text{NDF}$ : 114581.1/11

# yield\_bpm0l10Y\_mean vs Slug



Right In: -0.462+/-0.000  $\chi^2/\text{NDF}$ : 21329361.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

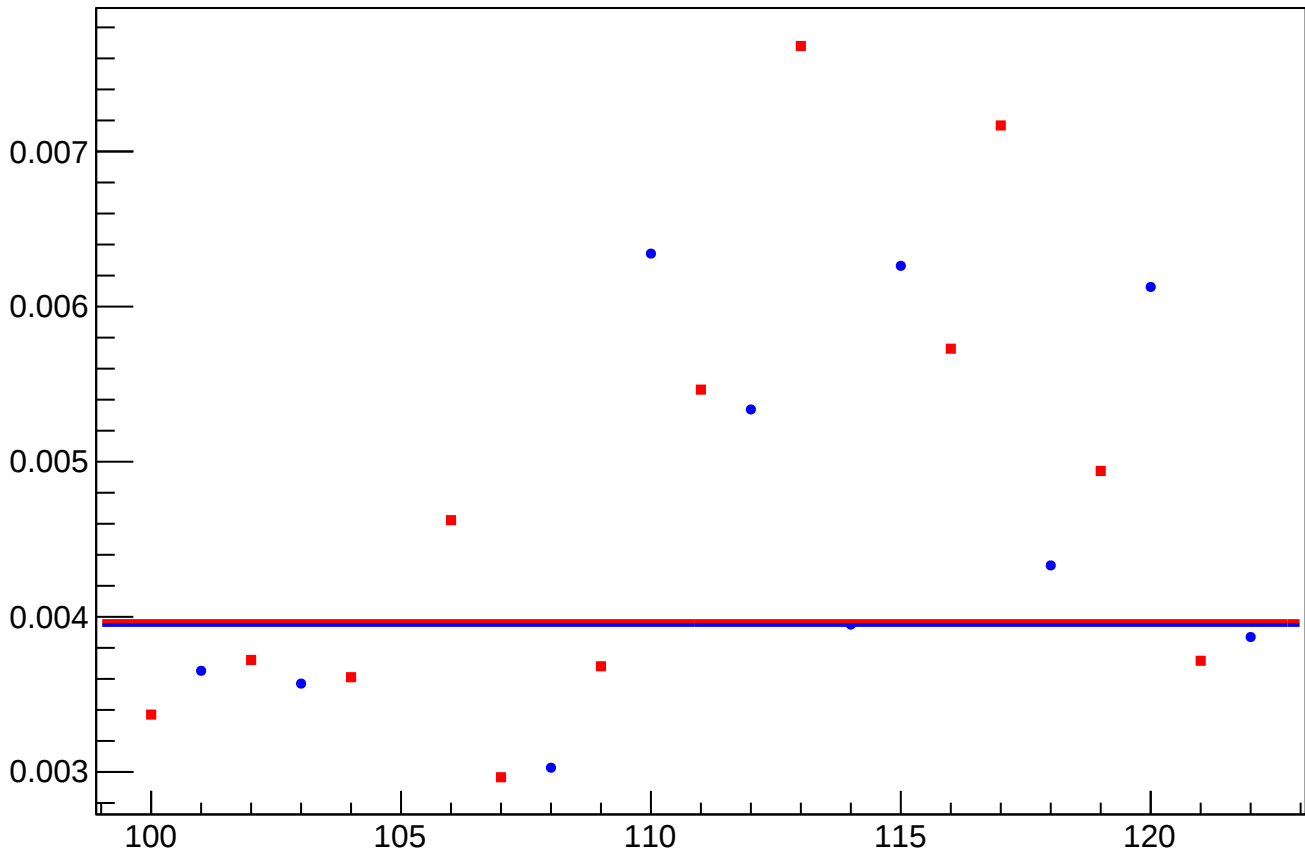
Right Out: -0.450+/-0.000  $\chi^2/\text{NDF}$ : 359632088.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.462+/-0.000  $\chi^2/\text{NDF}$ : 21329361.4/9

-0.450+/-0.000  $\chi^2/\text{NDF}$ : 359632088.0/11

# yield\_bpm0l10Y\_rms vs Slug



Right In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 339966.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

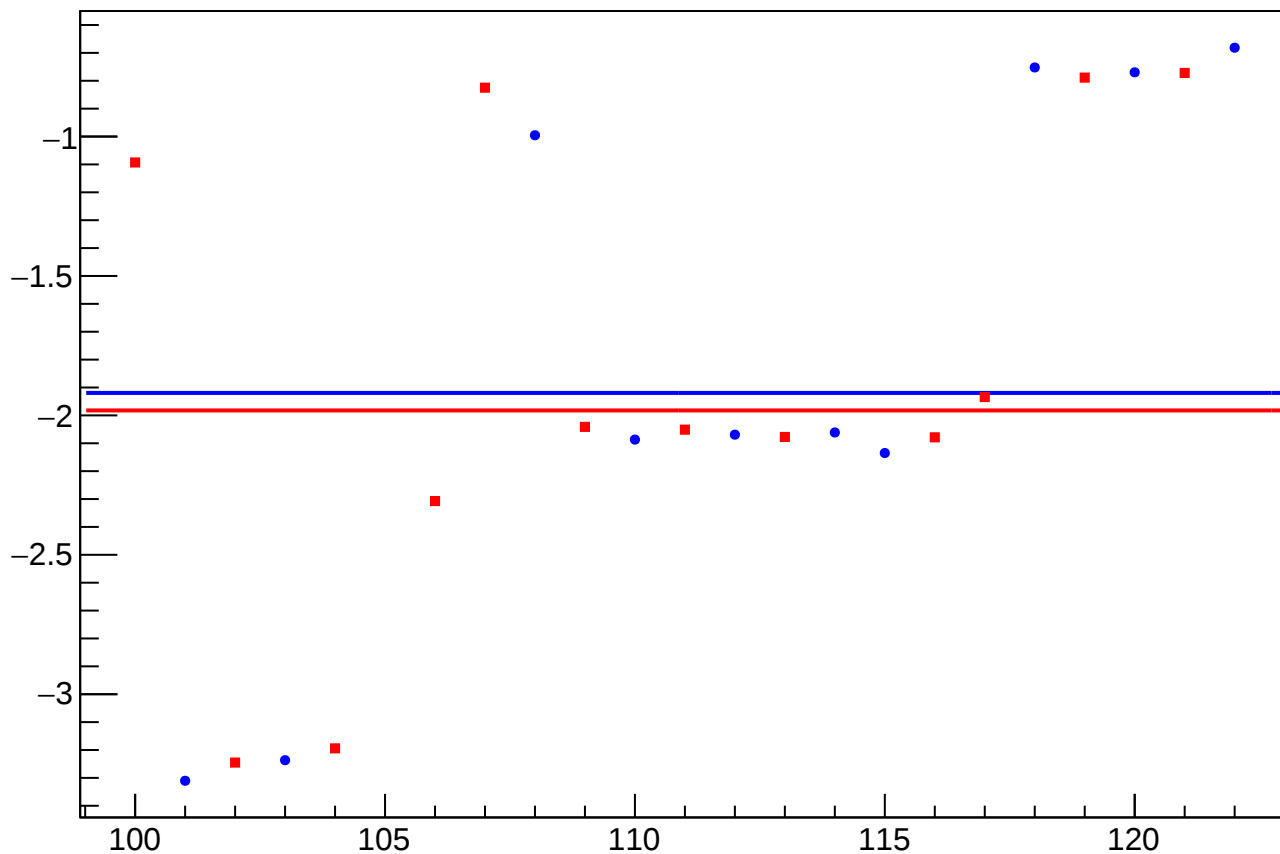
Right Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 452853.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.004+/-0.000  $\chi^2/\text{NDF}$ : 339966.0/9

0.004+/-0.000  $\chi^2/\text{NDF}$ : 452853.2/11

# yield\_bpm0r03X\_mean vs Slug



Right In:  $-1.919 \pm 0.000$   $\chi^2/\text{NDF}$ : 796792576.9/9

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

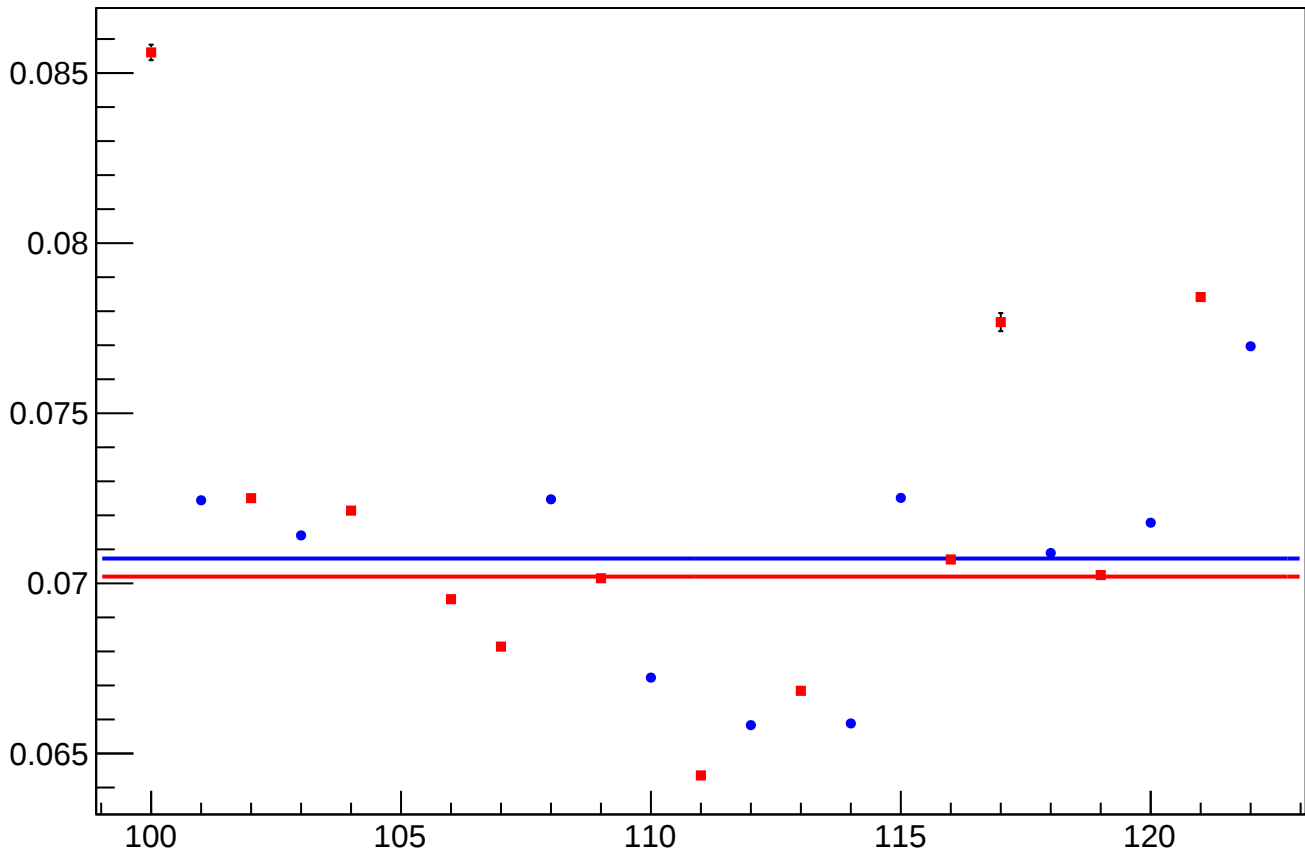
Right Out:  $-1.982 \pm 0.000$   $\chi^2/\text{NDF}$ : 649097000.7/11

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$-1.919 \pm 0.000$   $\chi^2/\text{NDF}$ : 796792576.9/9

$-1.982 \pm 0.000$   $\chi^2/\text{NDF}$ : 649097000.7/11

# yield\_bpm0r03X\_rms vs Slug



Right In: 0.071+/-0.000  $\chi^2/\text{NDF}$ : 15182.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

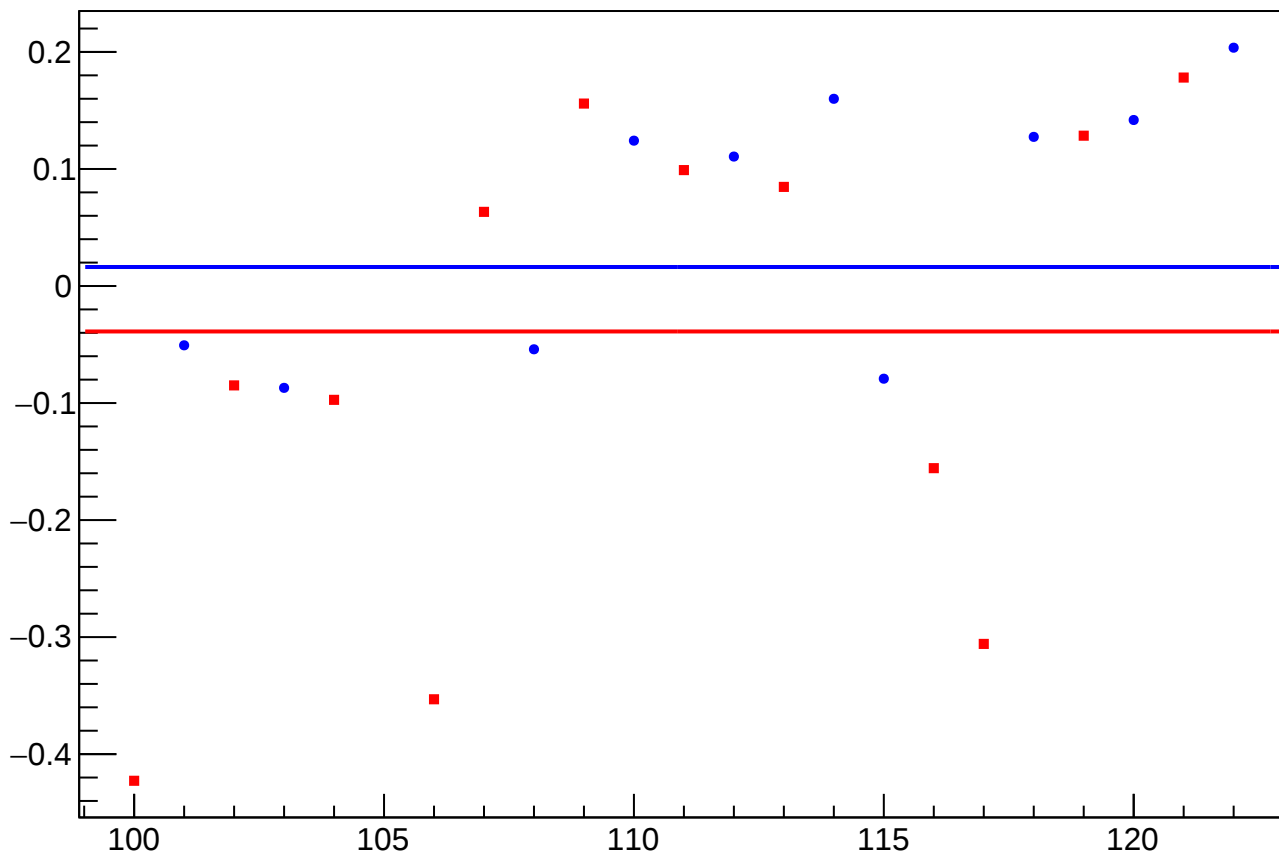
Right Out: 0.070+/-0.000  $\chi^2/\text{NDF}$ : 25304.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.071+/-0.000  $\chi^2/\text{NDF}$ : 15182.8/9

0.070+/-0.000  $\chi^2/\text{NDF}$ : 25304.2/11

# yield\_bpm0r03Y\_mean vs Slug



Right In: 0.016+/-0.000  $\chi^2/\text{NDF}$ : 311269433.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

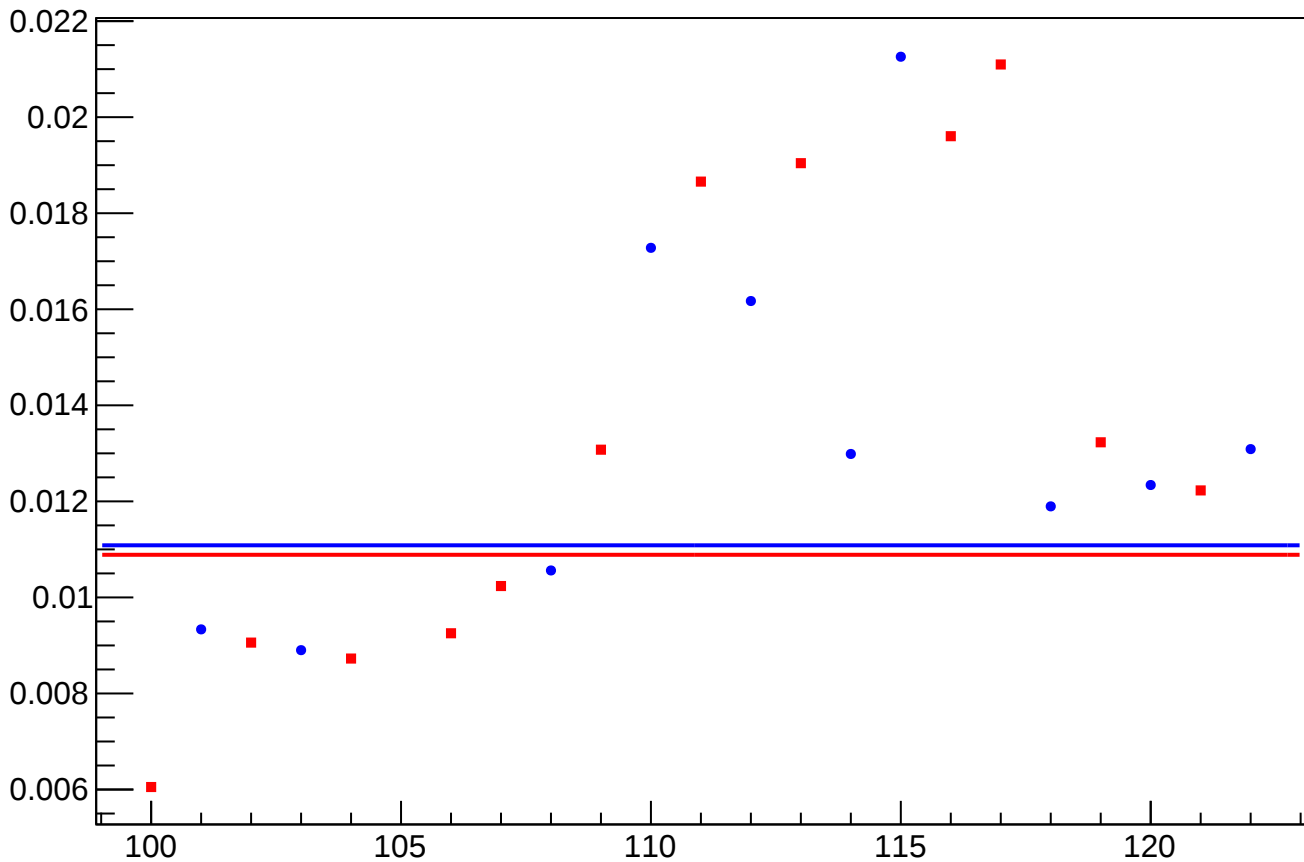
Right Out: -0.039+/-0.000  $\chi^2/\text{NDF}$ : 928257422.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.016+/-0.000  $\chi^2/\text{NDF}$ : 311269433.6/9

-0.039+/-0.000  $\chi^2/\text{NDF}$ : 928257422.2/11

# yield\_bpm0r03Y\_rms vs Slug



Right In: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 356555.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

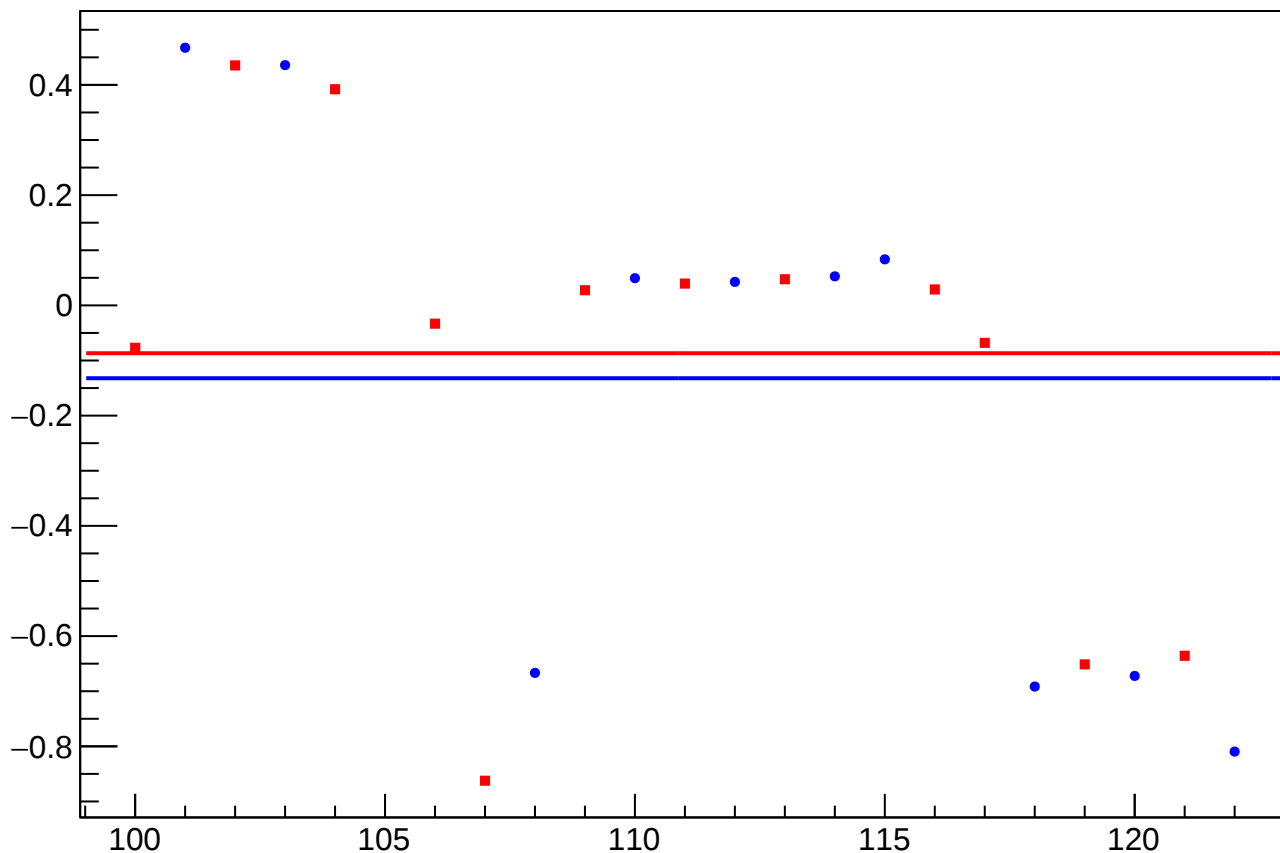
Right Out: 0.011+/-0.000  $\chi^2/\text{NDF}$ : 665619.3/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.011+/-0.000  $\chi^2/\text{NDF}$ : 356555.1/9

0.011+/-0.000  $\chi^2/\text{NDF}$ : 665619.3/11

# yield\_bpm0r05X\_mean vs Slug



Right In: -0.132+/-0.000  $\chi^2/\text{NDF}$ : 121506790.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

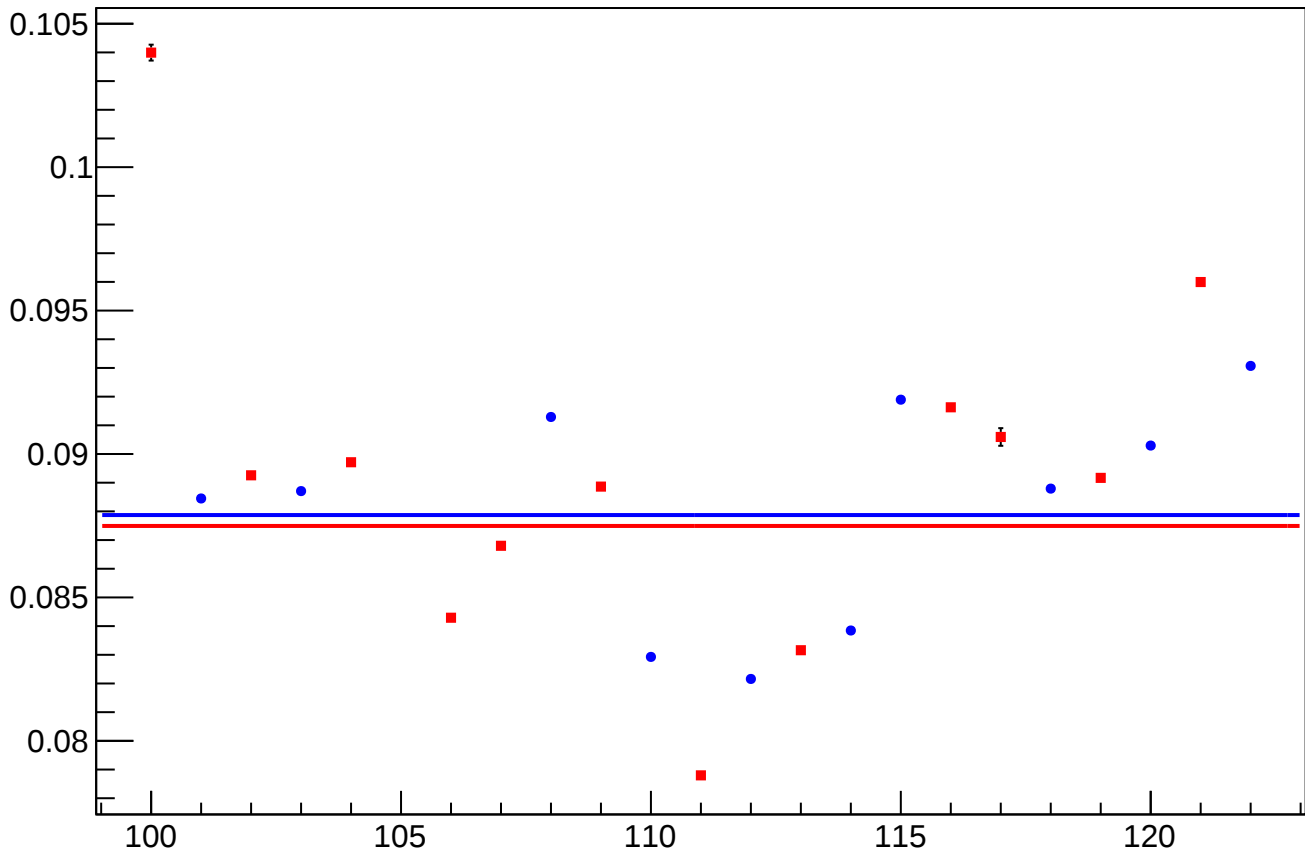
Right Out: -0.087+/-0.000  $\chi^2/\text{NDF}$ : 97377404.7/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.132+/-0.000  $\chi^2/\text{NDF}$ : 121506790.3/9

-0.087+/-0.000  $\chi^2/\text{NDF}$ : 97377404.7/11

# yield\_bpm0r05X\_rms vs Slug



Right In: 0.088+/-0.000  $\chi^2/\text{NDF}$ : 12513.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

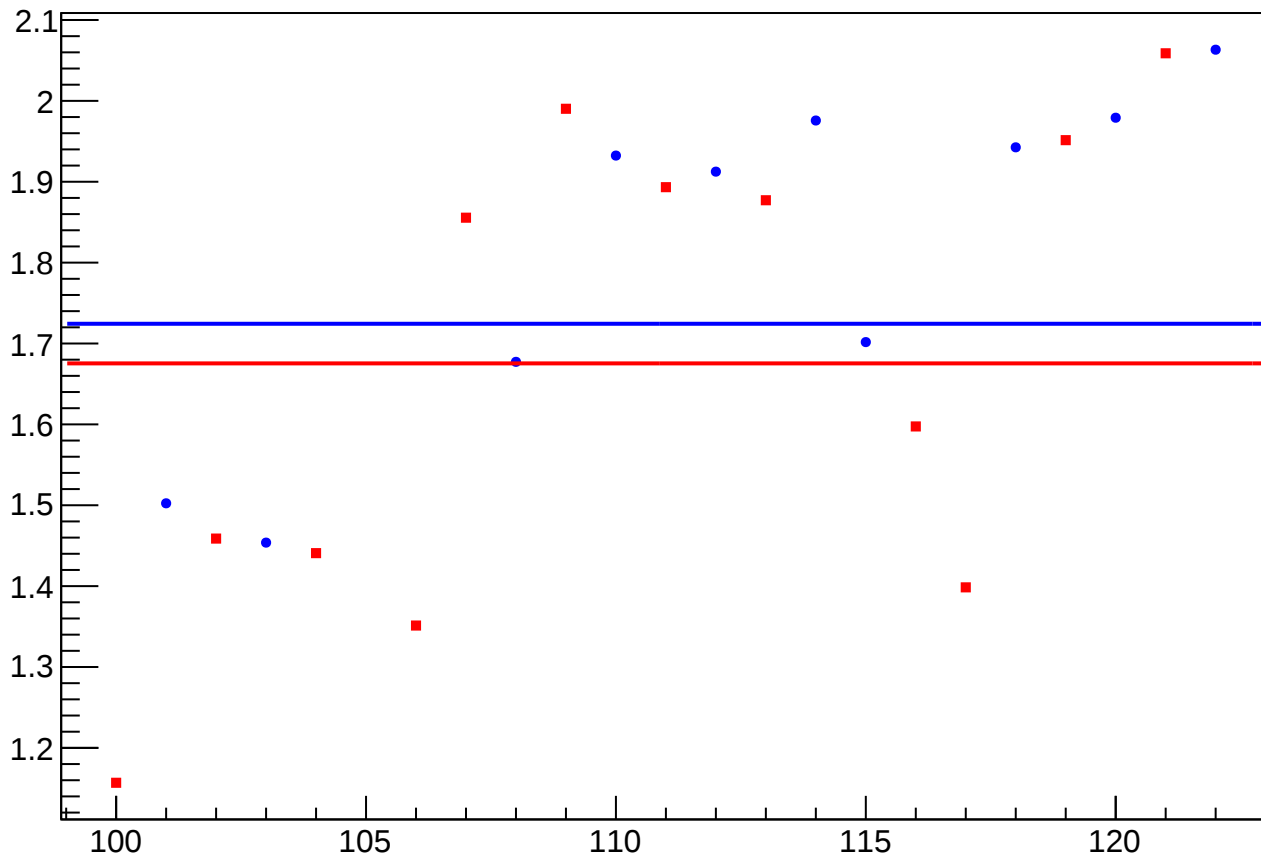
Right Out: 0.087+/-0.000  $\chi^2/\text{NDF}$ : 26121.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.088+/-0.000  $\chi^2/\text{NDF}$ : 12513.3/9

0.087+/-0.000  $\chi^2/\text{NDF}$ : 26121.2/11

# yield\_bpm0r05Y\_mean vs Slug



Right In: 1.724+/-0.000  $\chi^2/\text{NDF}$ : 823221640.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

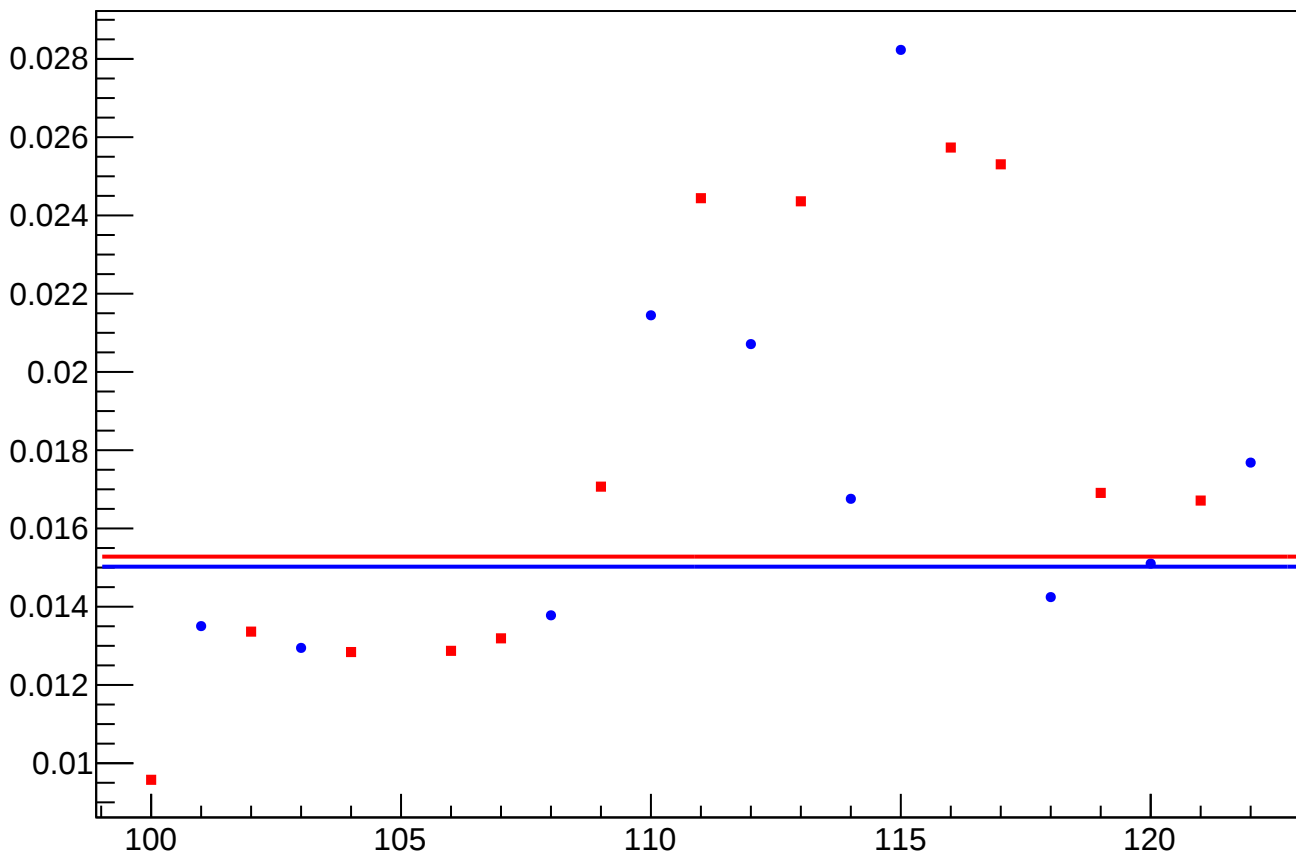
Right Out: 1.675+/-0.000  $\chi^2/\text{NDF}$ : 1240436053.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1.724+/-0.000  $\chi^2/\text{NDF}$ : 823221640.3/9

1.675+/-0.000  $\chi^2/\text{NDF}$ : 1240436053.0/11

# yield\_bpm0r05Y\_rms vs Slug



Right In: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 239758.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

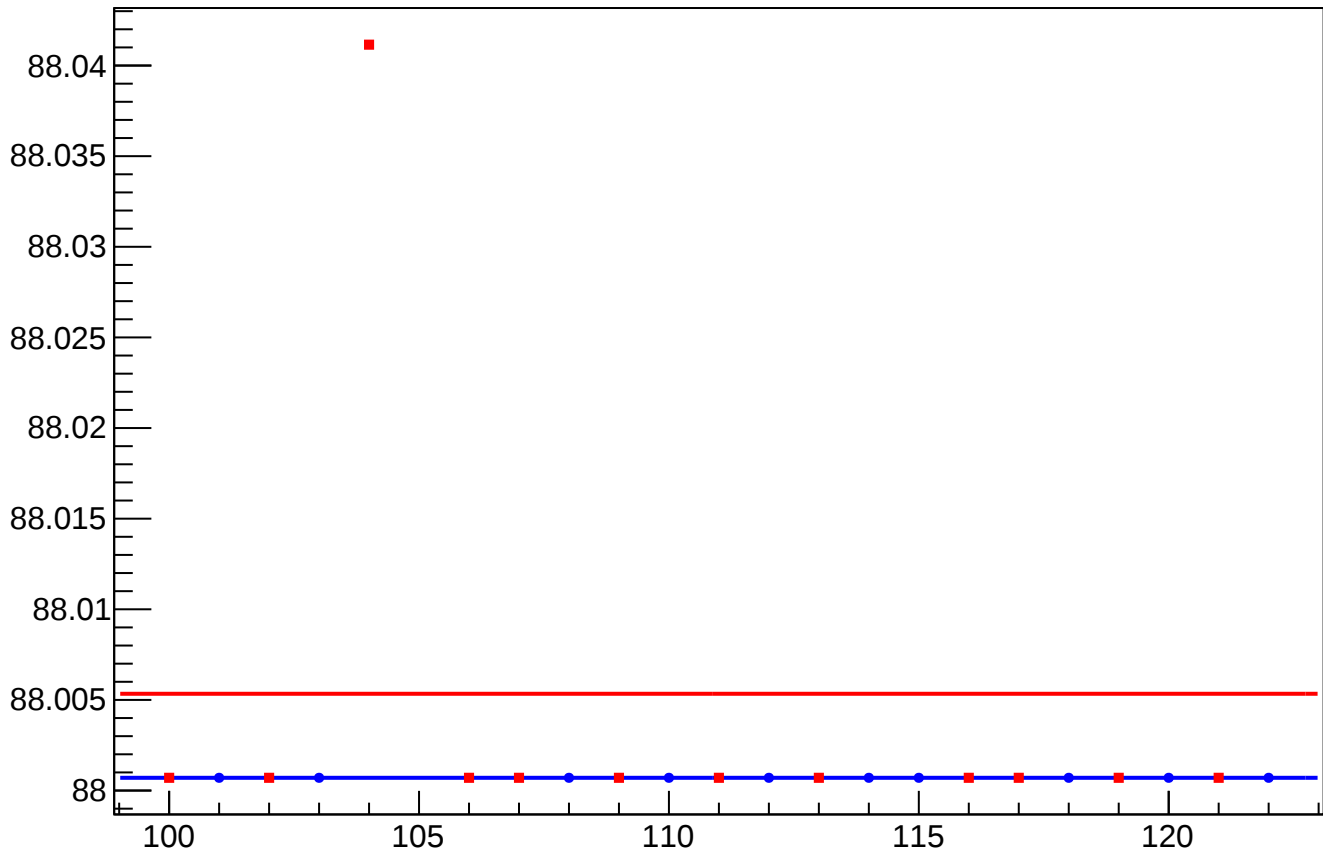
Right Out: 0.015+/-0.000  $\chi^2/\text{NDF}$ : 470357.8/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.015+/-0.000  $\chi^2/\text{NDF}$ : 239758.6/9

0.015+/-0.000  $\chi^2/\text{NDF}$ : 470357.8/11

# epics\_VWienAngles\_mean vs Slug



Right In: 88.001+/-0.000  $\chi^2/\text{NDF}$ : 922904.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

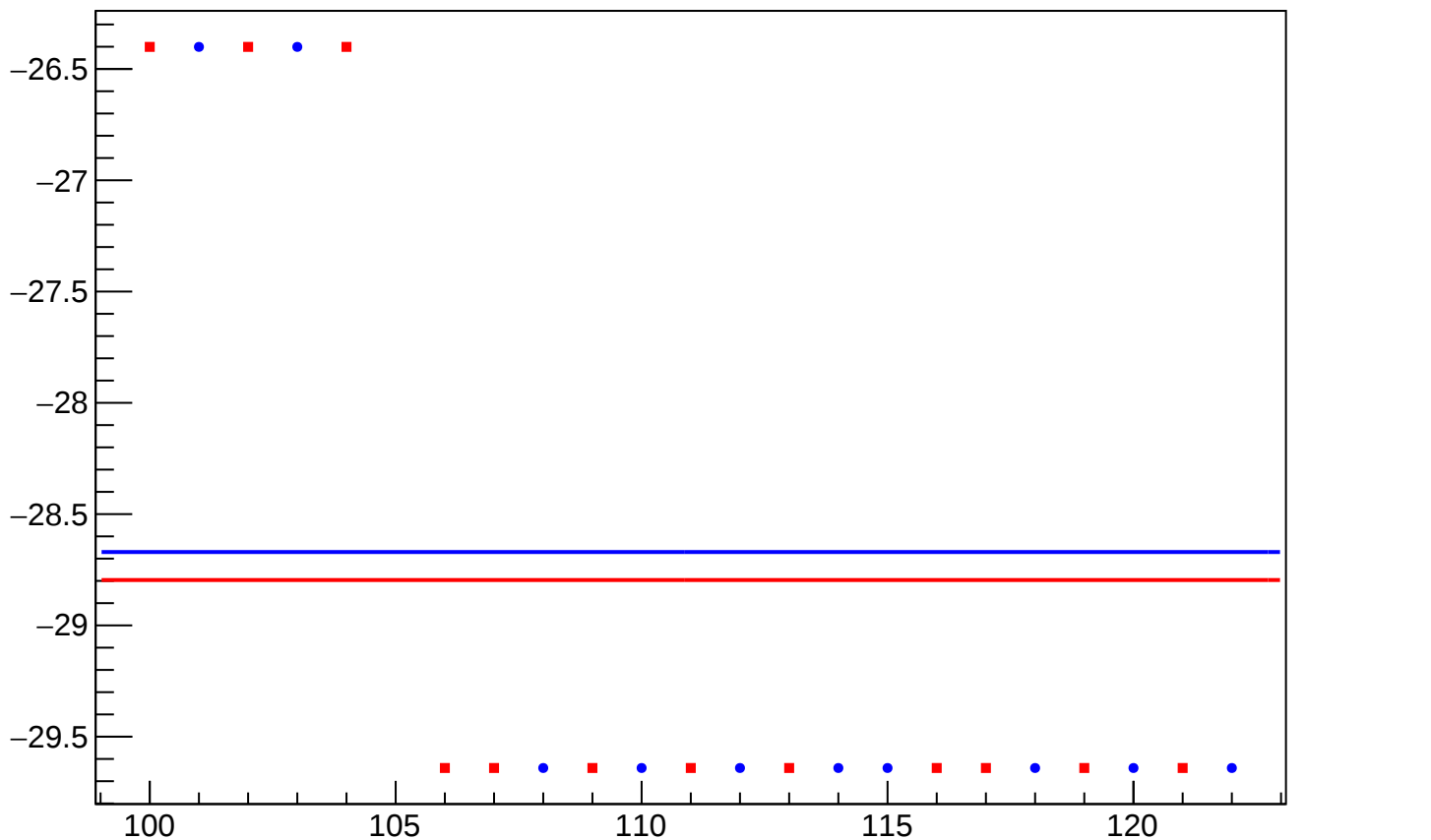
88.001+/-0.000  $\chi^2/\text{NDF}$ : 922904.2/9

Right Out: 88.005+/-0.000  $\chi^2/\text{NDF}$ : 73877074463397278235146321920.0/11

88.005+/-0.000  $\chi^2/\text{NDF}$ : 73877074463397278235146321920.0/11

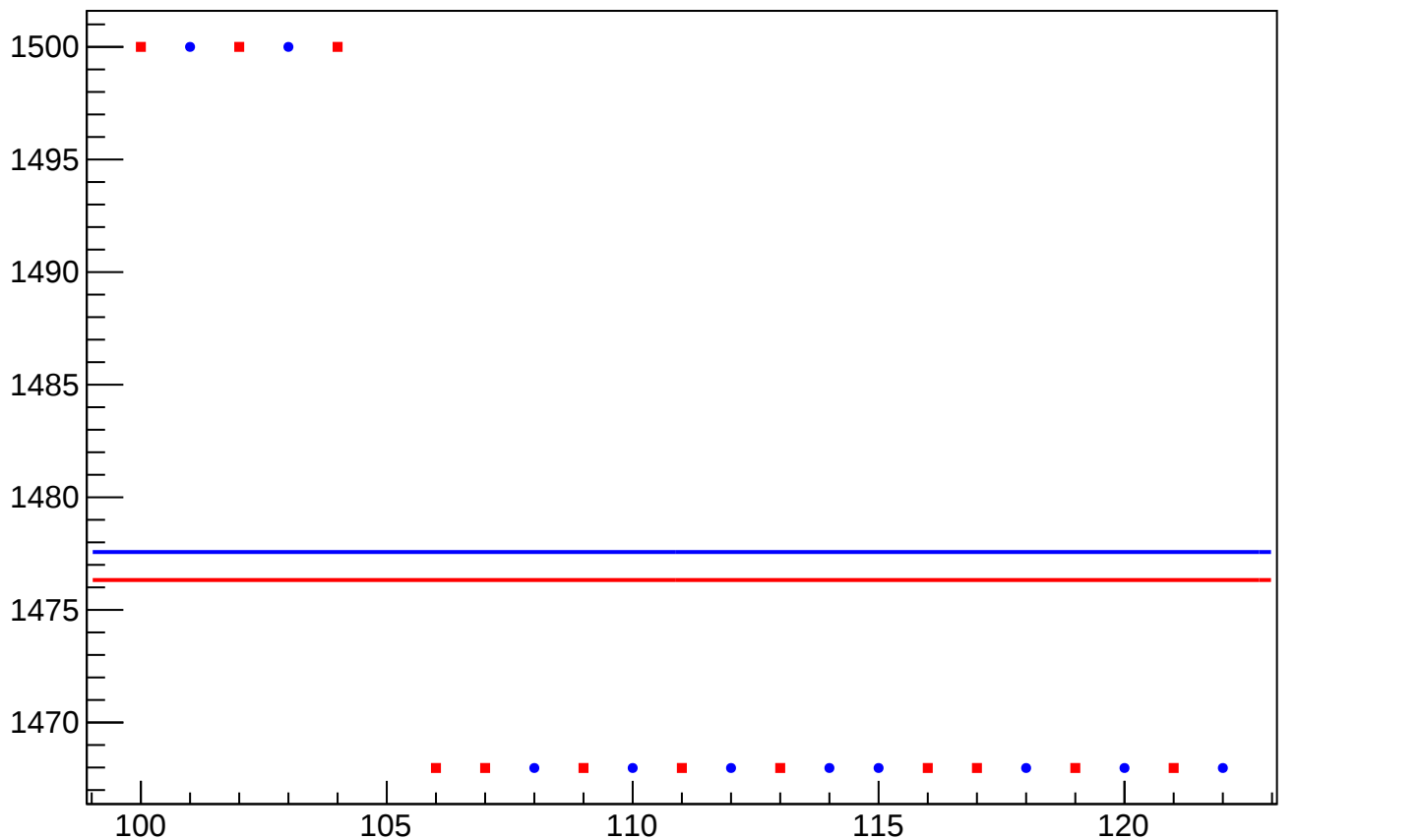
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# epics\_HWienAngles\_mean vs Slug



Right In: -28.670+/-0.000  $\chi^2/\text{NDF}$ : 867730550253823821963383491526656.0/9  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: -28.796+/-0.000  $\chi^2/\text{NDF}$ : 900293048089892749953162918494208.0/11  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# epics\_psub\_pl\_poss\_mean vs Slug



Right In: 1477.569+/-0.000  $\chi^2/\text{NDF}$ : 84757017978554254324222581836611584.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

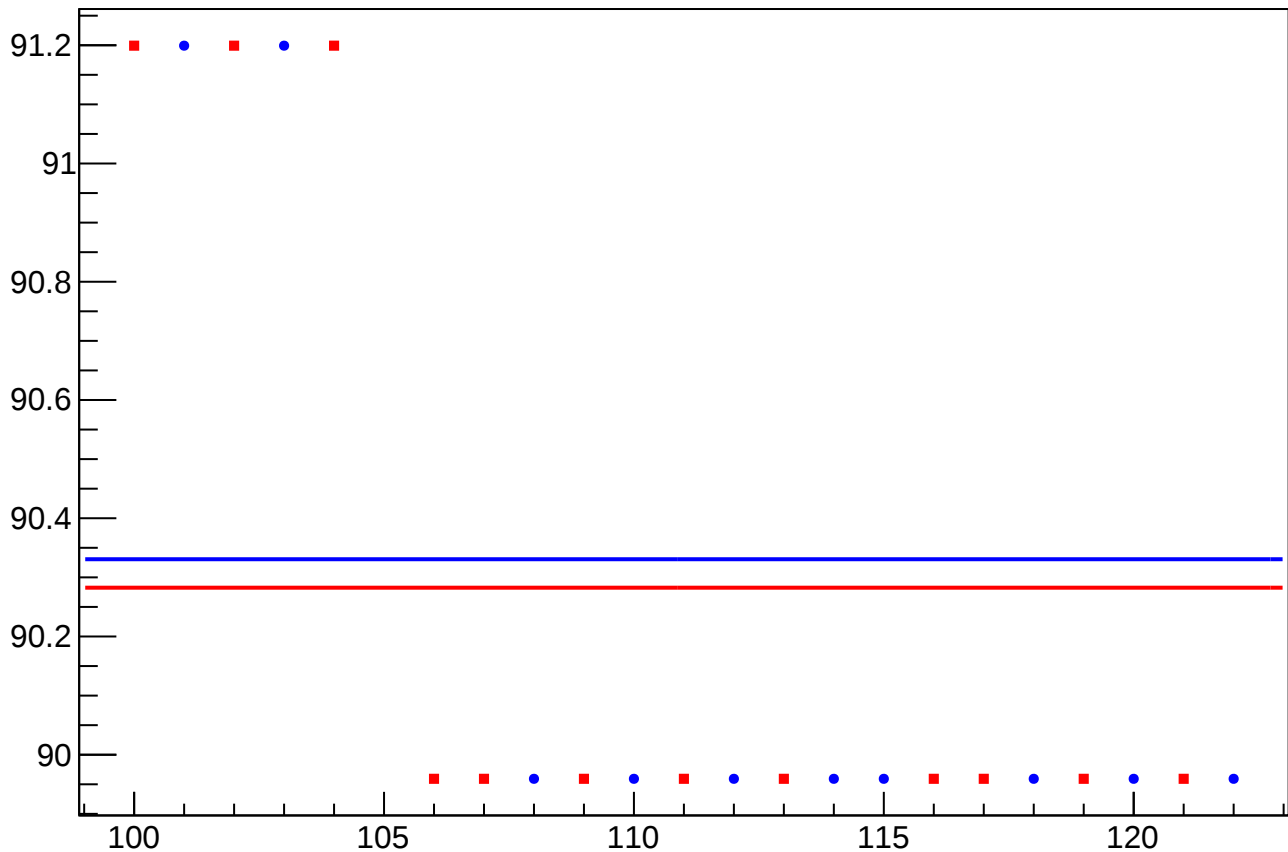
Right Out: 1476.326+/-0.000  $\chi^2/\text{NDF}$ : 87937613860207816070335143740440576.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1477.569+/-0.000  $\chi^2/\text{NDF}$ : 8475701797855425

1476.326+/-0.000  $\chi^2/\text{NDF}$ : 8793761386020781

# epics\_Phi\_FGs\_mean vs Slug



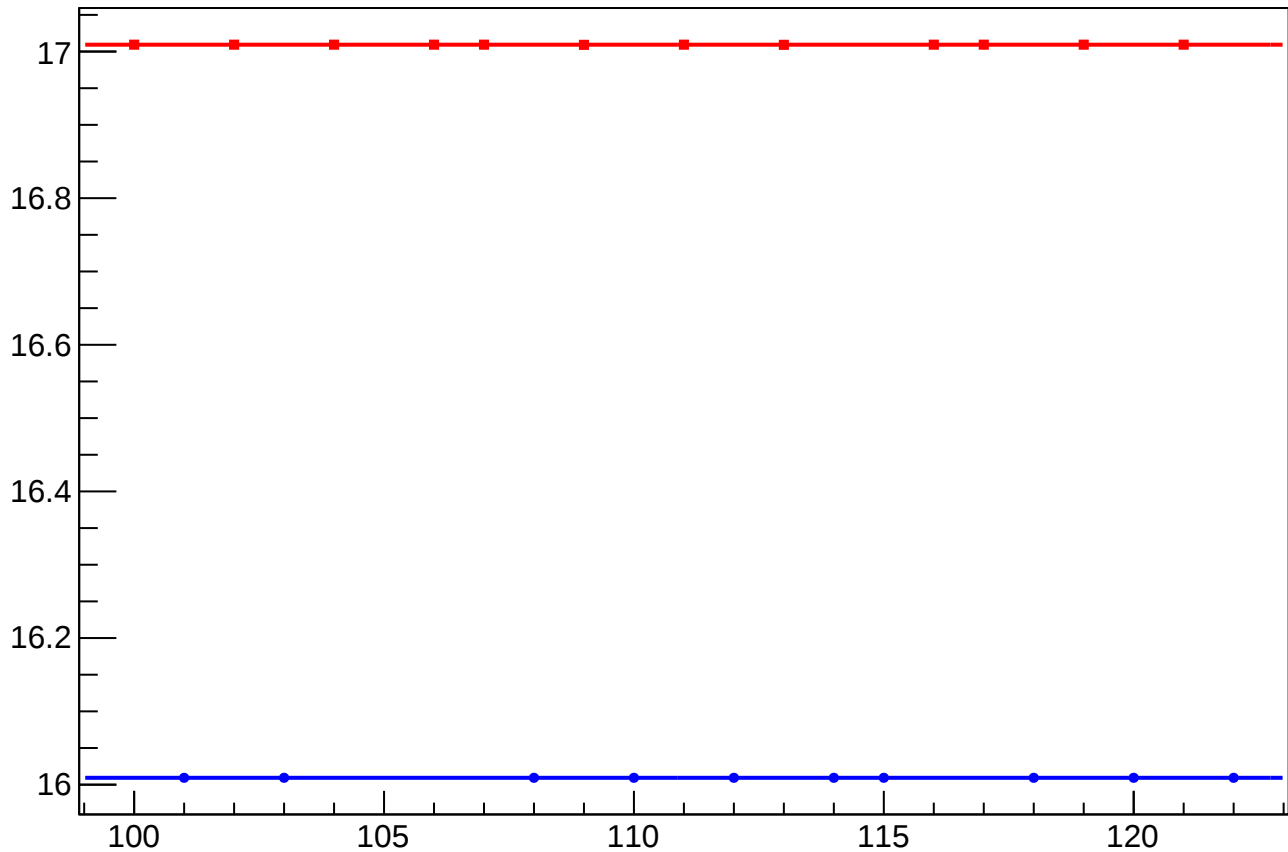
Right In: 90.331+/-0.000  $\chi^2/\text{NDF}$ : 127097859898497296531122921930752.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 90.283+/-0.000  $\chi^2/\text{NDF}$ : 131867340224747446590722912813056.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# epics\_IGL1I00DI24\_24Ms\_mean vs Slug



Right In: 16.009 $\pm$ 0.000  $\chi^2$ /NDF: 24334.8/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

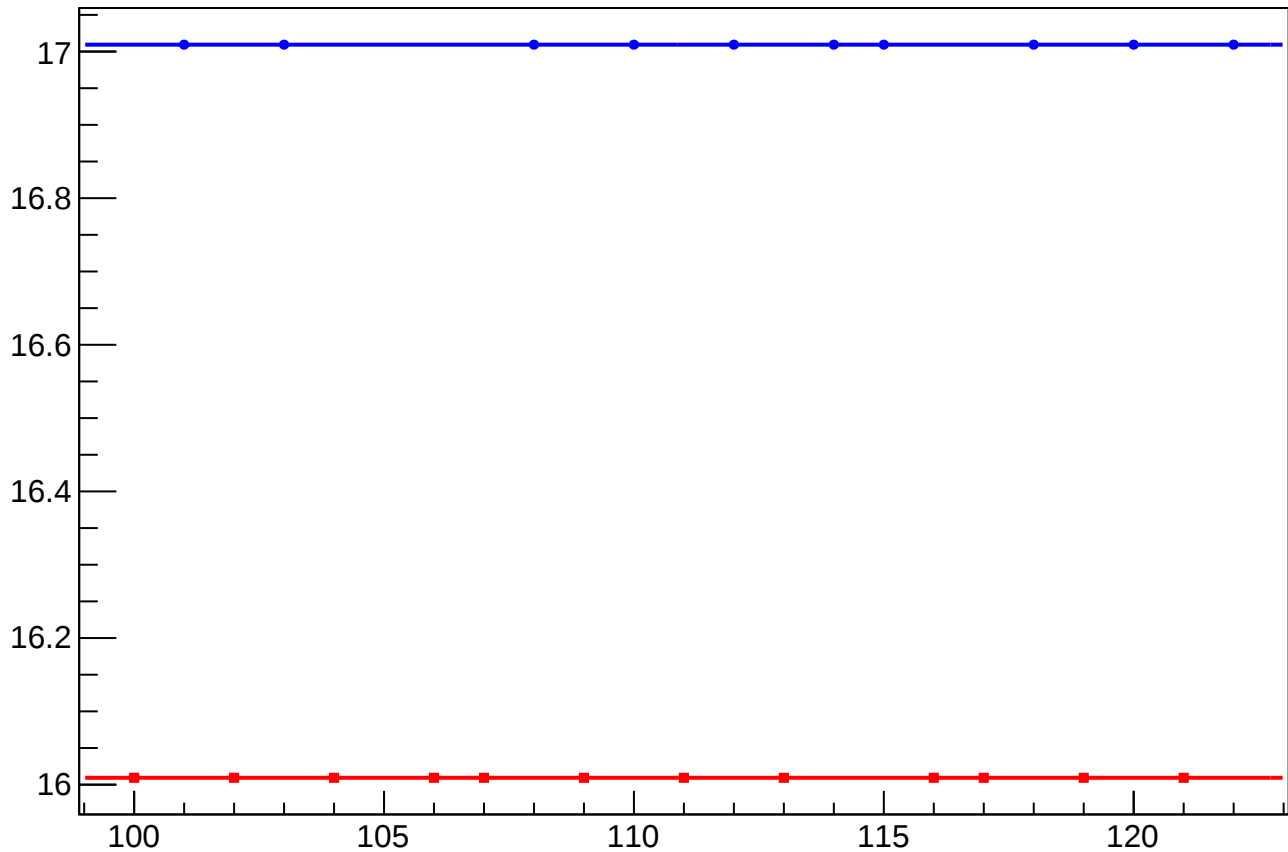
16.009 $\pm$ 0.000  $\chi^2$ /NDF: 24334.8/9

Right Out: 17.009 $\pm$ 0.000  $\chi^2$ /NDF: 3249577088689104530440192.0/11

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

17.009 $\pm$ 0.000  $\chi^2$ /NDF: 3249577088689104530440192.0/11

# epics\_IGL1I00OD16\_16s\_mean vs Slug



Right In: 17.009+/-0.000  $\chi^2/\text{NDF}$ : 25634.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

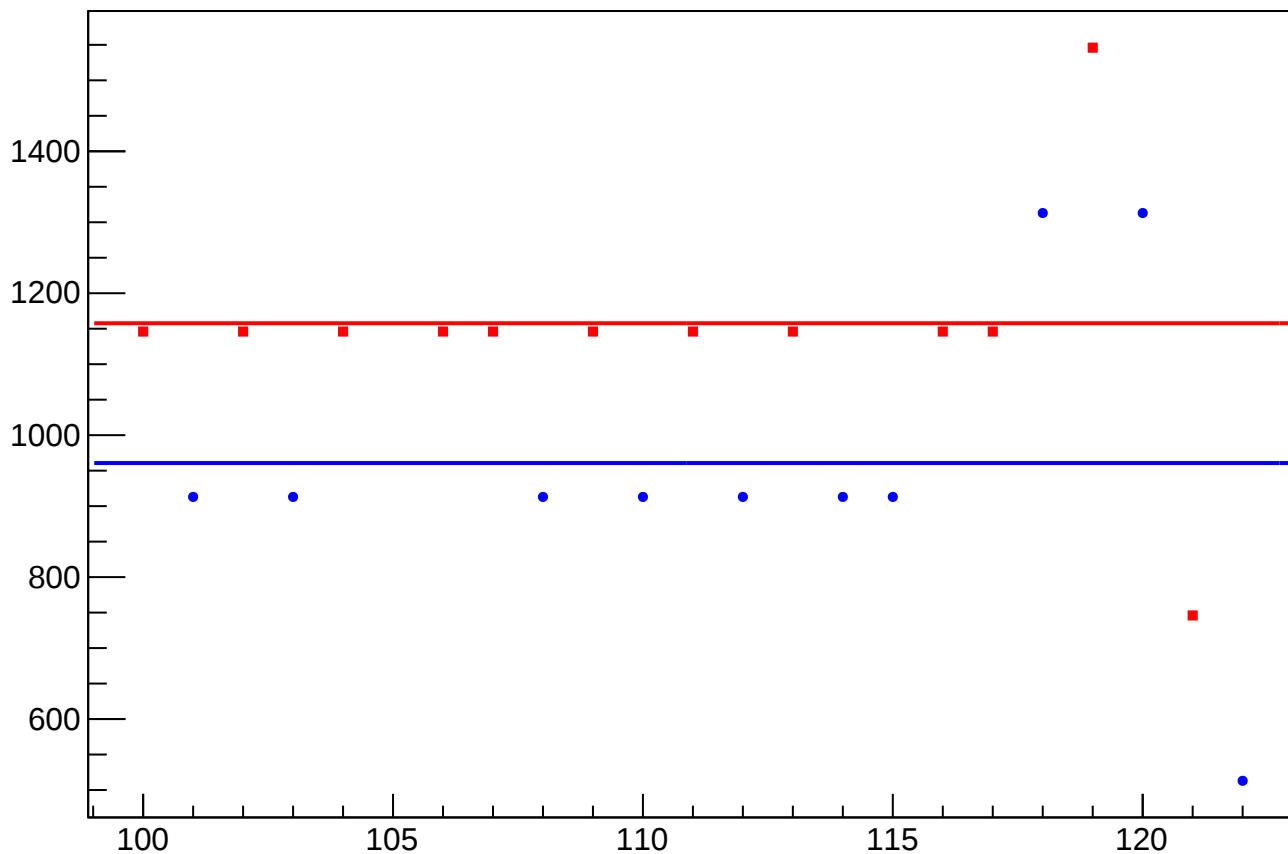
Right Out: 16.009+/-0.000  $\chi^2/\text{NDF}$ : 13442.2/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

17.009+/-0.000  $\chi^2/\text{NDF}$ : 25634.8/9

16.009+/-0.000  $\chi^2/\text{NDF}$ : 13442.2/11

# epics\_RTPAPOSUCNTs\_mean vs Slug



Right In: 960.713+/-0.000  $\chi^2/\text{NDF}$ : 19744179215405967592068808535791632384.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

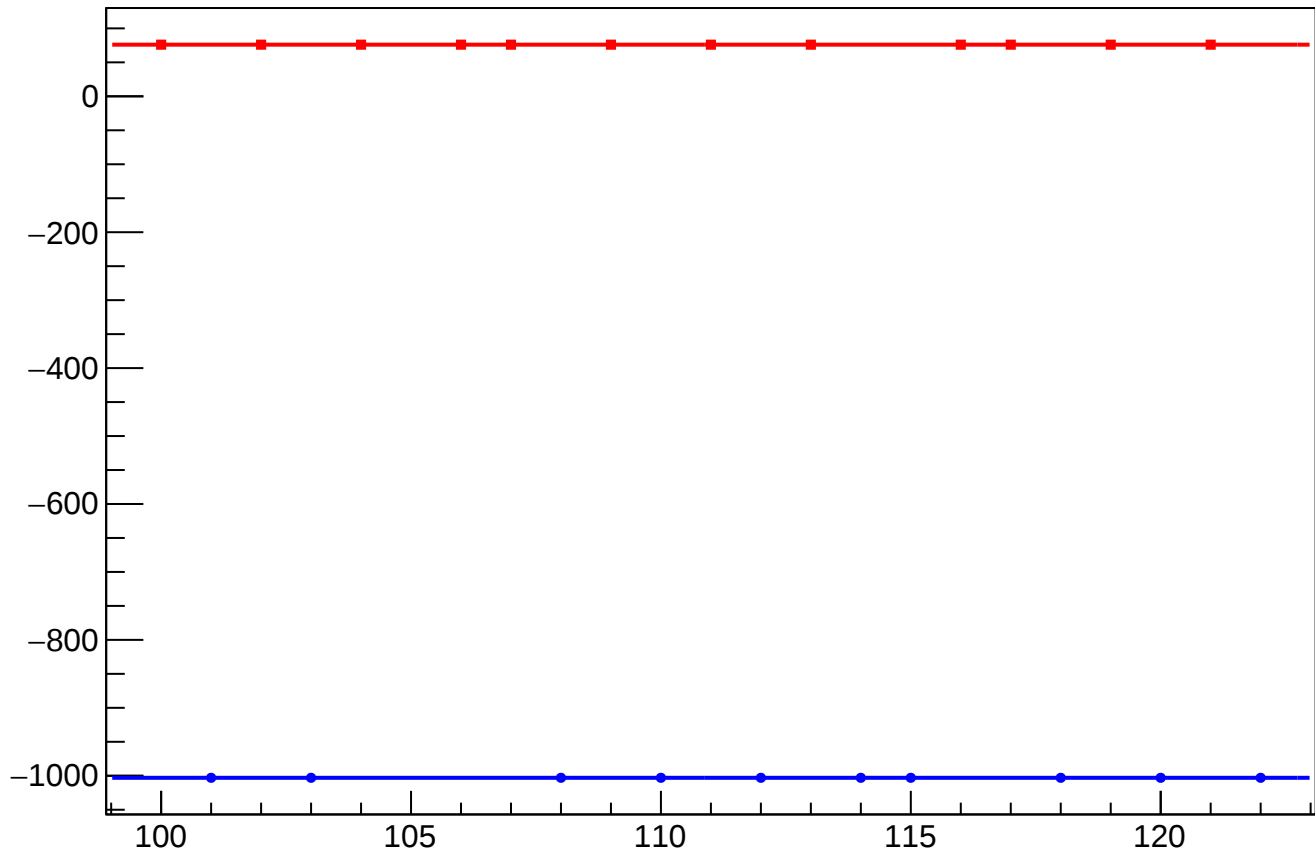
Right Out: 1157.694+/-0.000  $\chi^2/\text{NDF}$ : 14499904550995945327996100459743936512.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

960.713+/-0.000  $\chi^2/\text{NDF}$ : 19744179215405967

1157.694+/-0.000  $\chi^2/\text{NDF}$ : 1449990455099594

# epics\_RTPAPOSVCNTs\_mean vs Slug



Right In: -1002.990+/-0.000  $\chi^2/\text{NDF}$ : 1511076090795266073557991424.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 76.010+/-0.000  $\chi^2/\text{NDF}$ : 1307553052637758384305602560.0/11

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1002.990+/-0.000  $\chi^2/\text{NDF}$ : 1511076090795266073557991424.0/9

76.010+/-0.000  $\chi^2/\text{NDF}$ : 1307553052637758384305602560.0/11