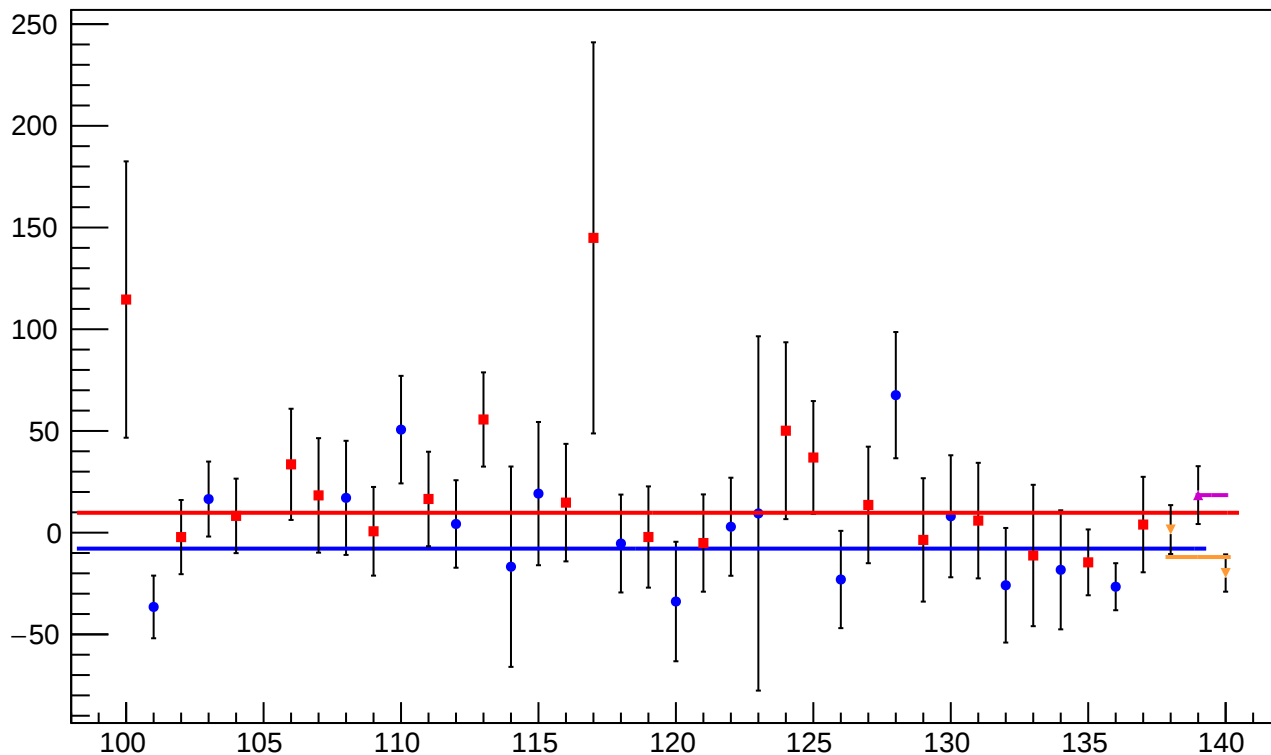


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -11.980 ± 7.291

χ^2/NDF : 2.0/1

Right Out: 9.781 ± 5.667

χ^2/NDF : 15.2/19

Left In: 18.460 ± 14.223

χ^2/NDF : 0.0/0

-9.380 ± 4.445

χ^2/NDF : 24.8/18

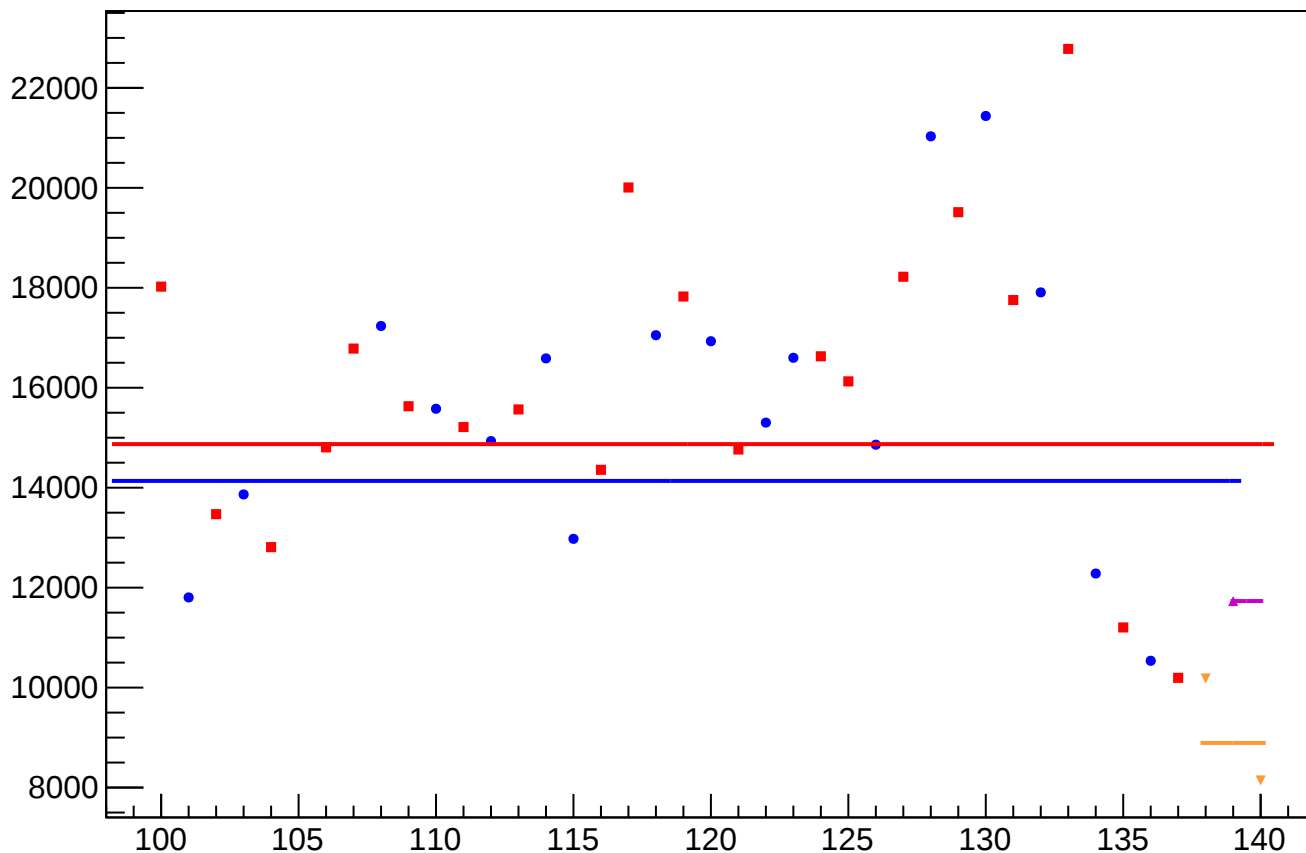
-0.910 ± 3.397

χ^2/NDF : 49.1/39

10.970 ± 5.265

χ^2/NDF : 15.5/20

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14135.800+/-3.966 χ^2/NDF : 597179.4/16

Left Out: 8892.866+/-5.156 χ^2/NDF : 36452.0/1

Right Out: 14871.940+/-4.007 χ^2/NDF : 477742.9/19

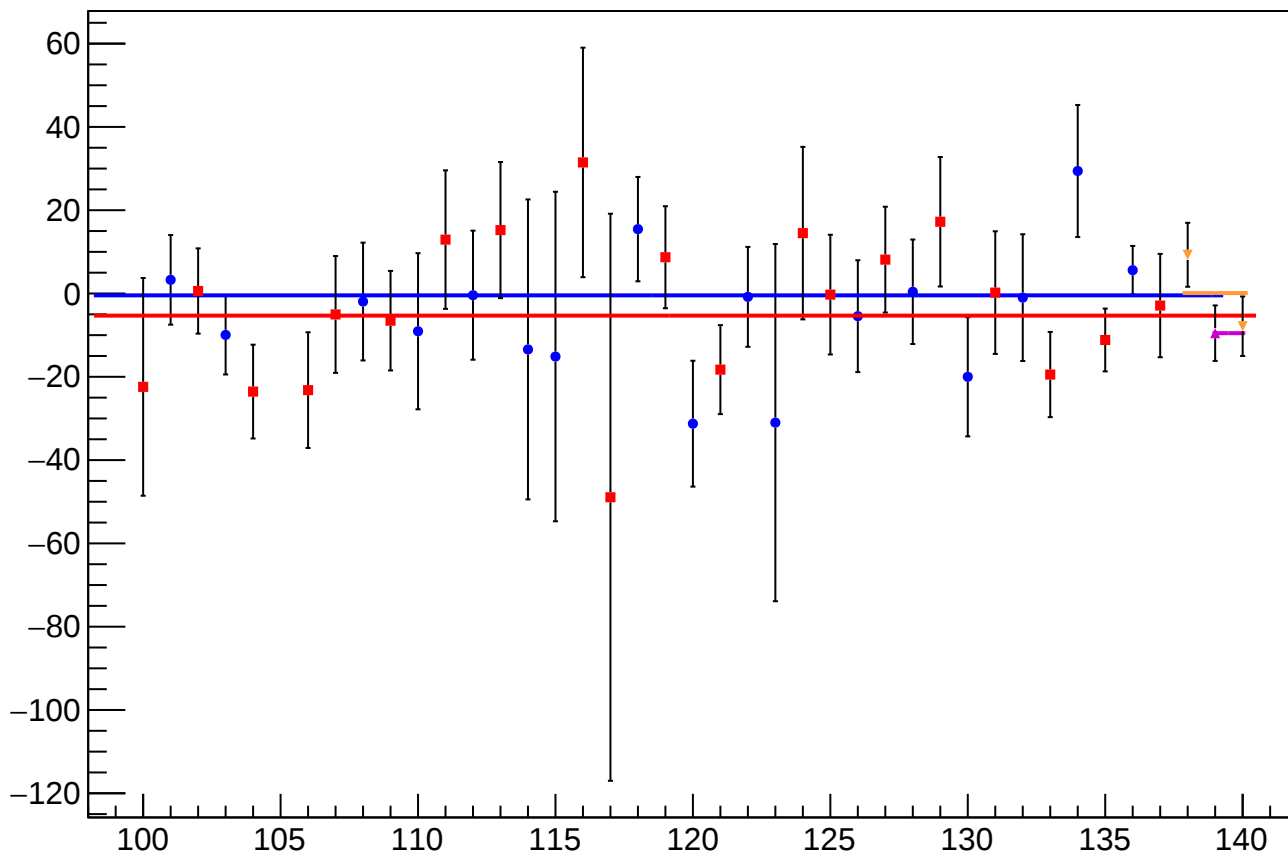
Left In: 11732.338+/-10.057 χ^2/NDF : 0.0/0

12186.960+/-3.143 χ^2/NDF : 1283335.1/18

13125.441+/-2.402 χ^2/NDF : 2059338.6/3

14441.748+/-3.723 χ^2/NDF : 561845.3/20

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.441 $\pm$ 3.071 χ^2/NDF : 14.5/16

Left Out: 0.105 $\pm$ 5.228 χ^2/NDF : 2.7/1

Right Out: -5.310 $\pm$ 2.933 χ^2/NDF : 19.8/19

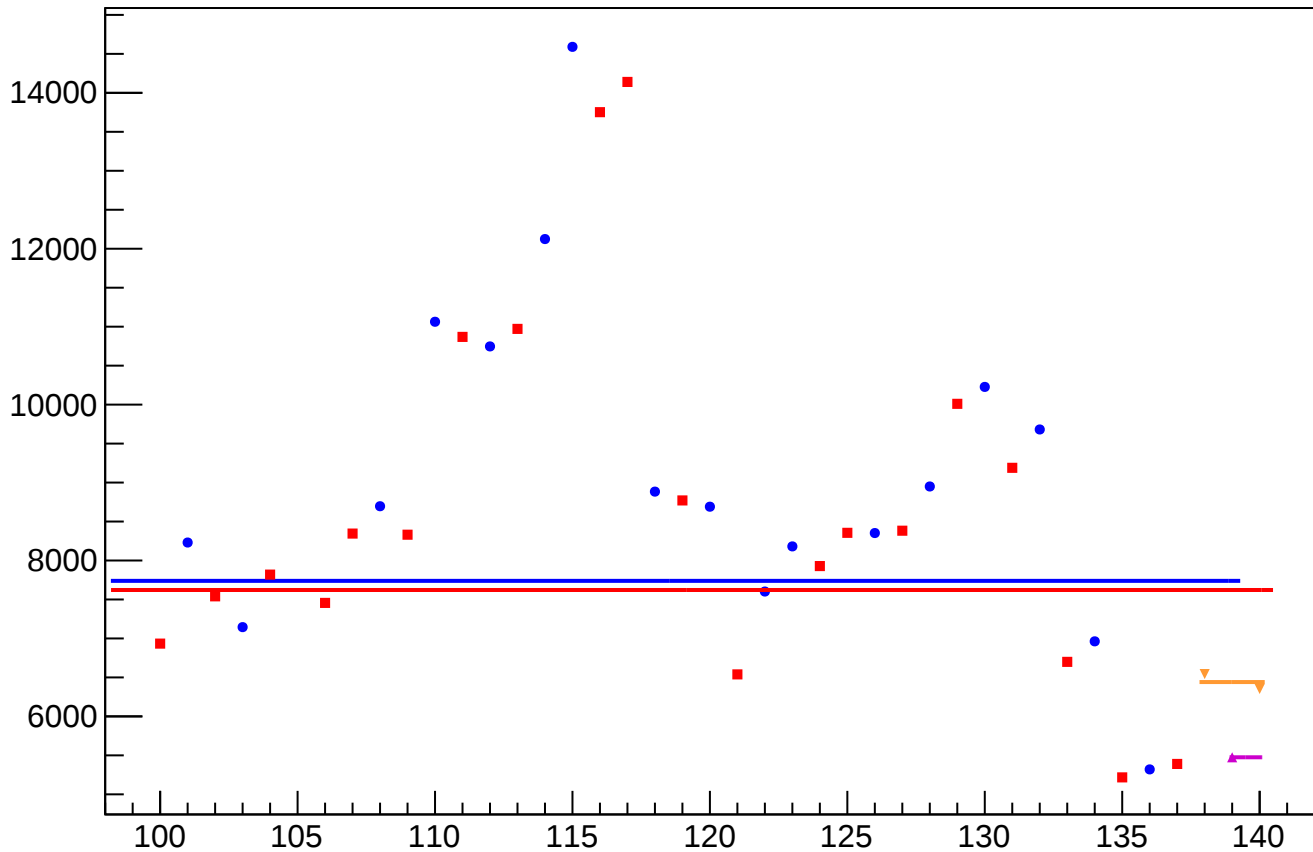
Left In: -9.521 $\pm$ 6.662 χ^2/NDF : 0.0/0

-0.301 $\pm$ 2.648 χ^2/NDF : 17.2/18

-3.109 $\pm$ 1.885 χ^2/NDF : 39.6/39

-5.994 $\pm$ 2.684 χ^2/NDF : 20.1/20

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7738.886 $\pm$ 2.172 χ^2 /NDF: 740836.7/16

Left Out: 6440.622 $\pm$ 3.697 χ^2 /NDF:665.0/1

Right Out: 7621.652 $\pm$ 2.074 χ^2 /NDF: 697548.6/19

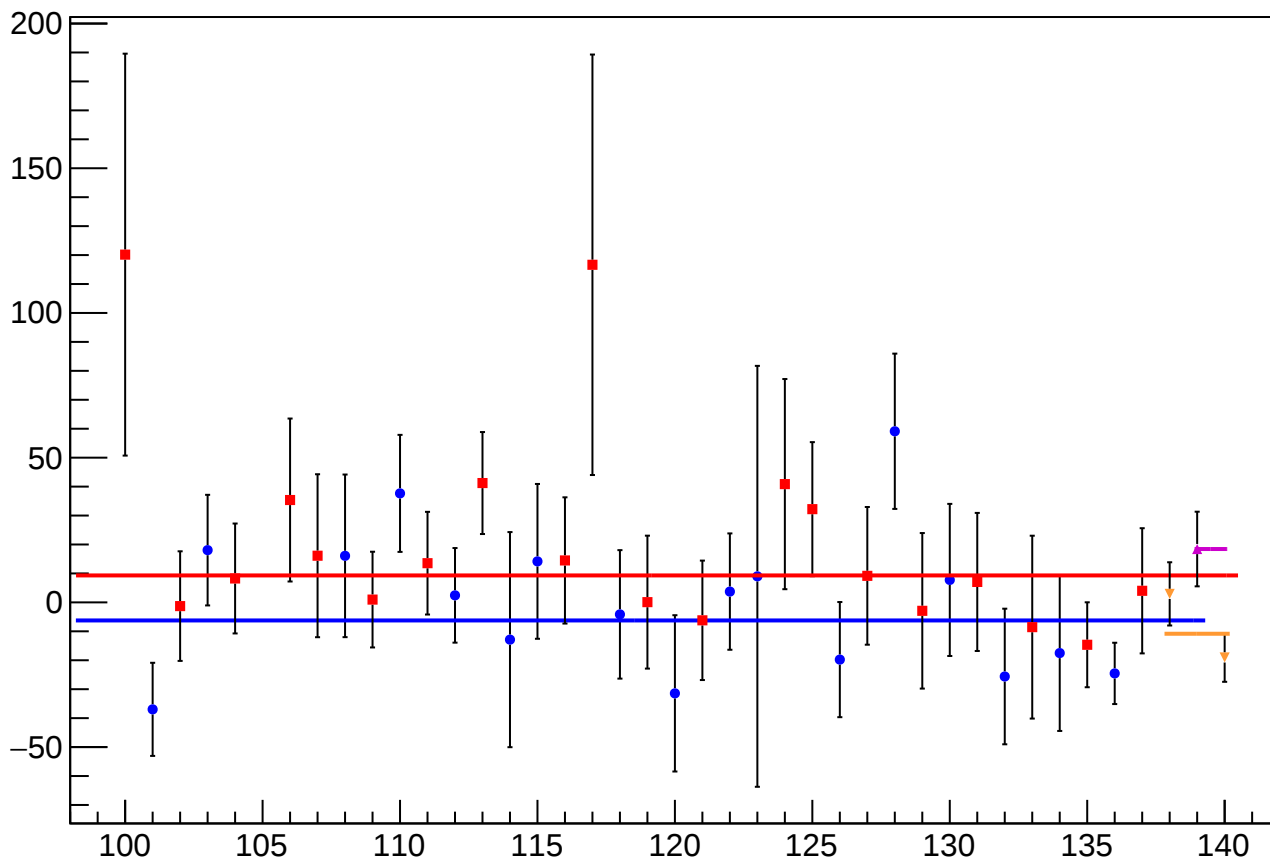
Left In: 5475.283 $\pm$ 4.710 χ^2 /NDF:0.0/0

7405.808 $\pm$ 1.872 χ^2 /NDF: 833201.3/18

7340.367 $\pm$ 1.333 χ^2 /NDF: 1707141.6/39

7273.111 $\pm$ 1.898 χ^2 /NDF: 871463.3/20

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.244 ± 5.017 χ^2/NDF : 23.2/16

Left Out: -10.841 ± 6.669 χ^2/NDF : 2.5/1

Right Out: 9.310 ± 4.987 χ^2/NDF : 15.3/19

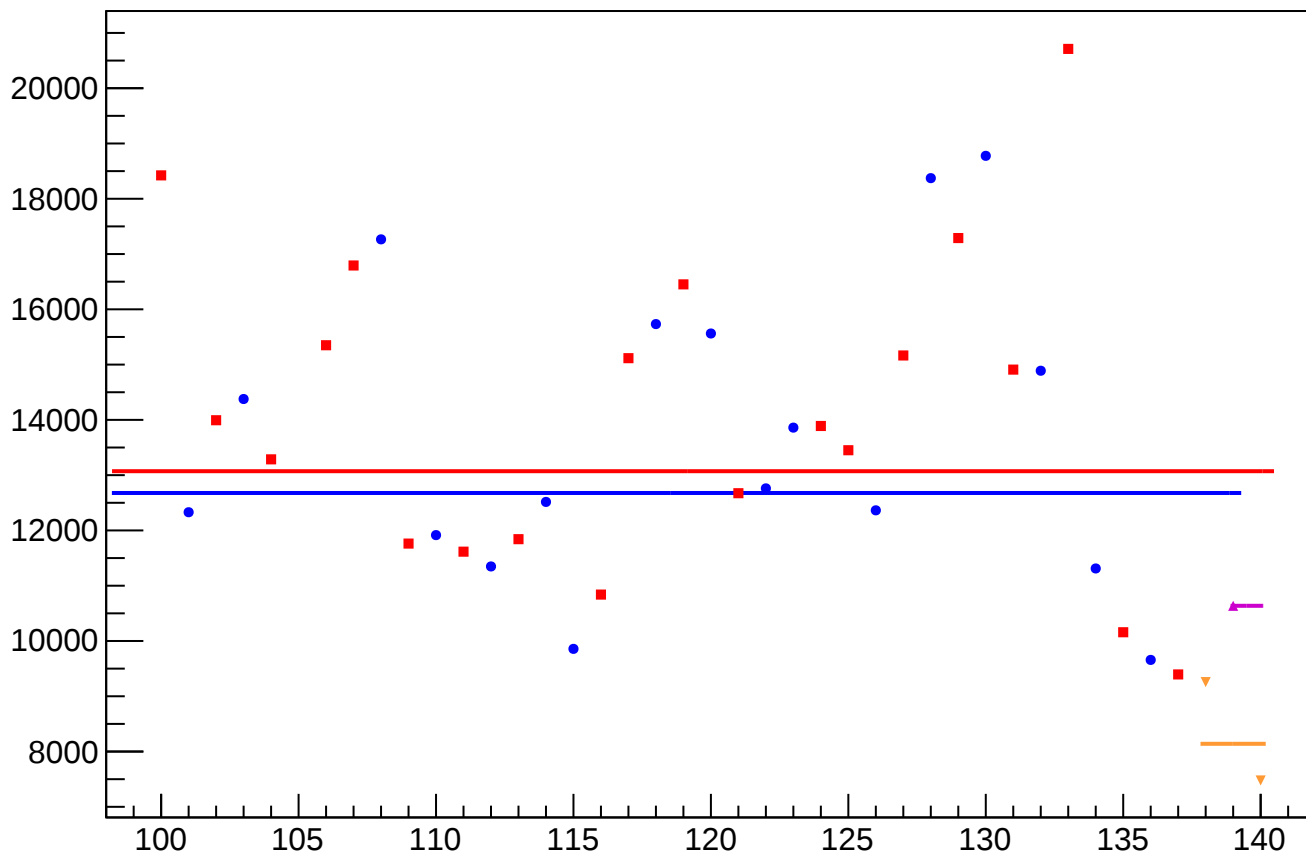
Left In: 18.436 ± 12.894 χ^2/NDF : 0.0/0

-7.906 ± 4.009 χ^2/NDF : 26.0/18

-0.061 ± 3.037 χ^2/NDF : 50.8/39

10.498 ± 4.652 χ^2/NDF : 15.8/20

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12677.516+/-3.548 χ^2/NDF : 553605.5/16

Left Out: 8140.032+/-4.716 χ^2/NDF : 33292.3/1

Right Out: 13071.522+/-3.527 χ^2/NDF : 499021.5/19

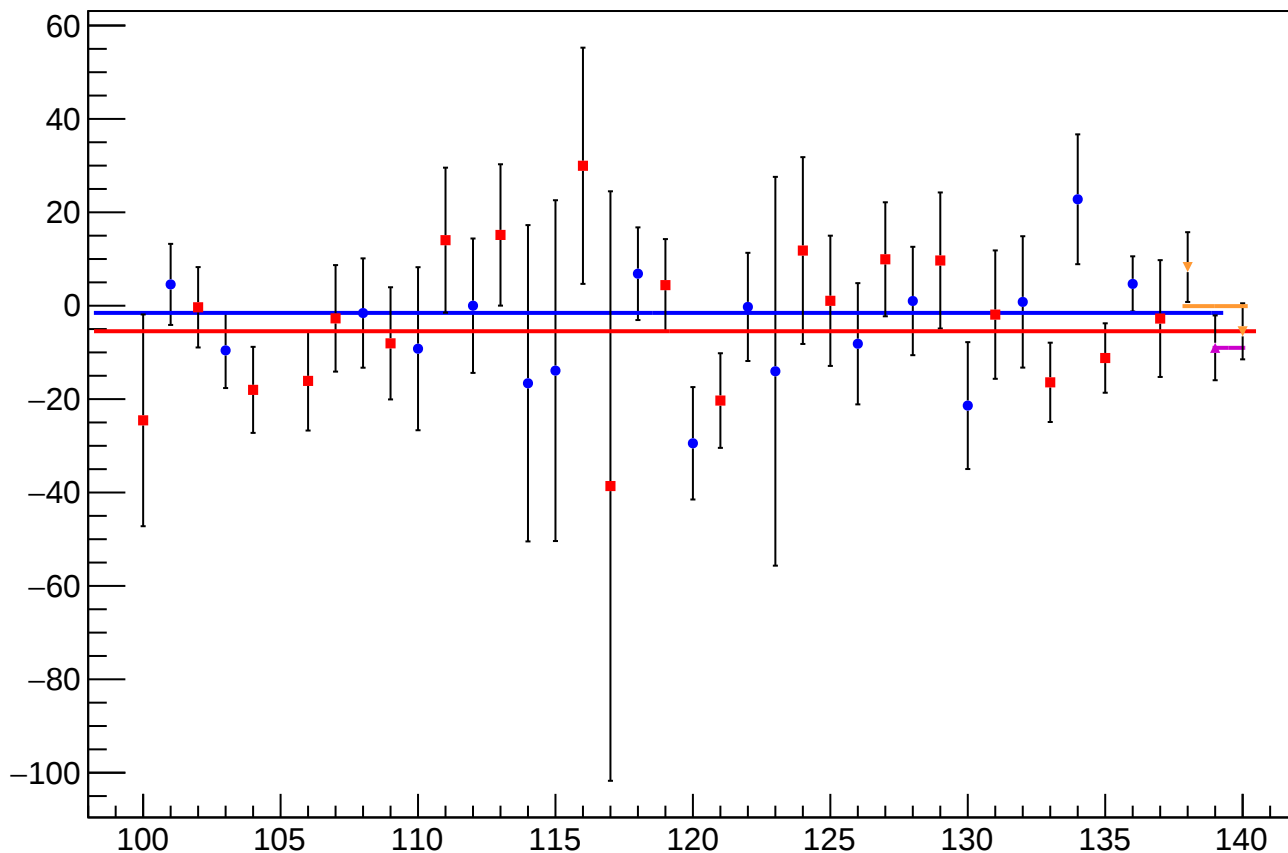
Left In: 10636.645+/-9.118 χ^2/NDF : 0.0/0

11037.566+/-2.835 χ^2/NDF : 1178087.6/18

11769.478+/-2.147 χ^2/NDF : 1895500.3/3

12754.646+/-3.289 χ^2/NDF : 561055.7/20

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.538 ± 2.790 χ^2/NDF : 14.8/16

Left Out: -0.087 ± 4.679 χ^2/NDF : 2.1/1

Right Out: -5.463 ± 2.637 χ^2/NDF : 18.9/19

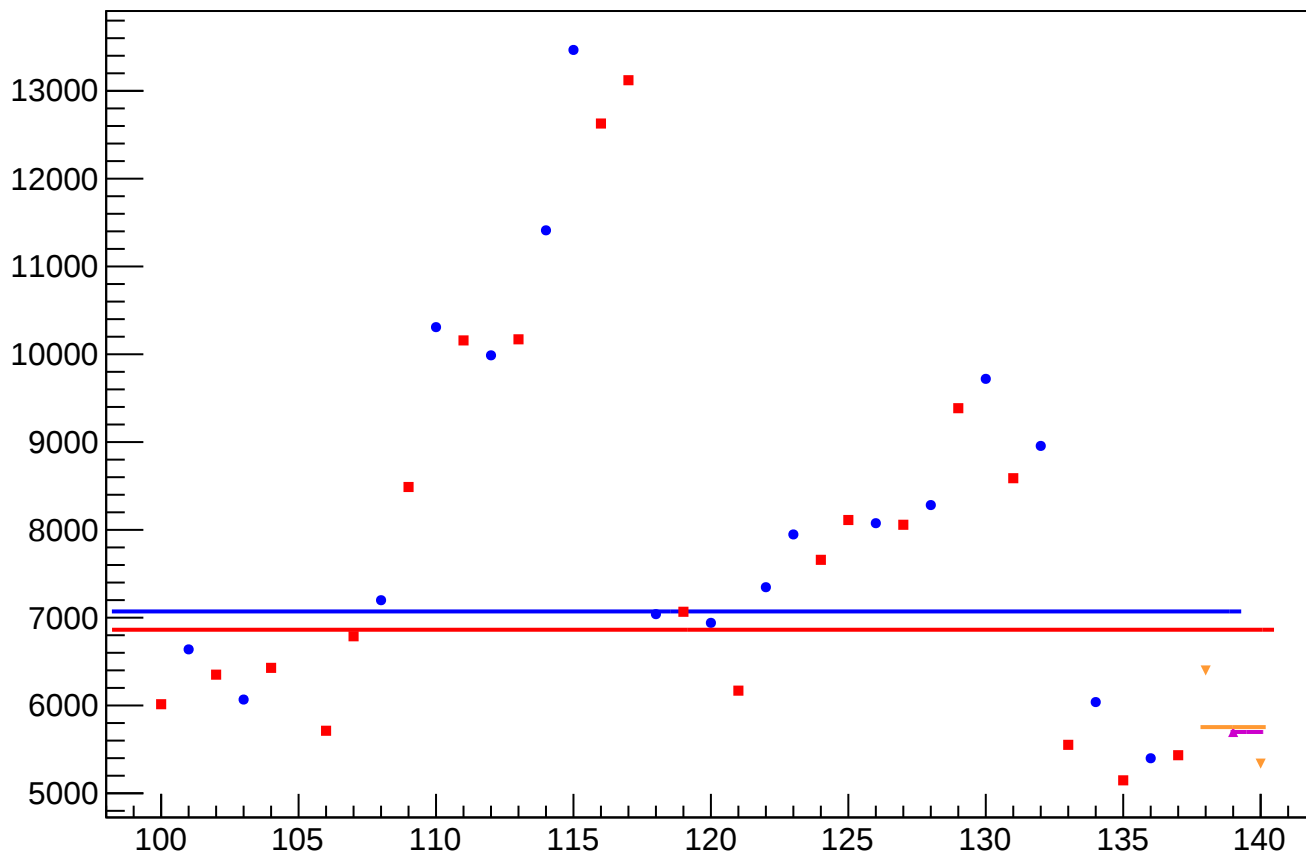
Left In: -9.018 ± 6.940 χ^2/NDF : 0.0/0

-1.157 ± 2.397 χ^2/NDF : 17.0/18

-3.467 ± 1.718 χ^2/NDF : 38.0/39

-5.911 ± 2.465 χ^2/NDF : 19.1/20

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7071.043+/-1.973 χ^2/NDF : 600748.1/16

Left Out: 5753.837+/-3.309 χ^2/NDF : 24505.5/1

Right Out: 6862.551+/-1.865 χ^2/NDF : 704099.3/19

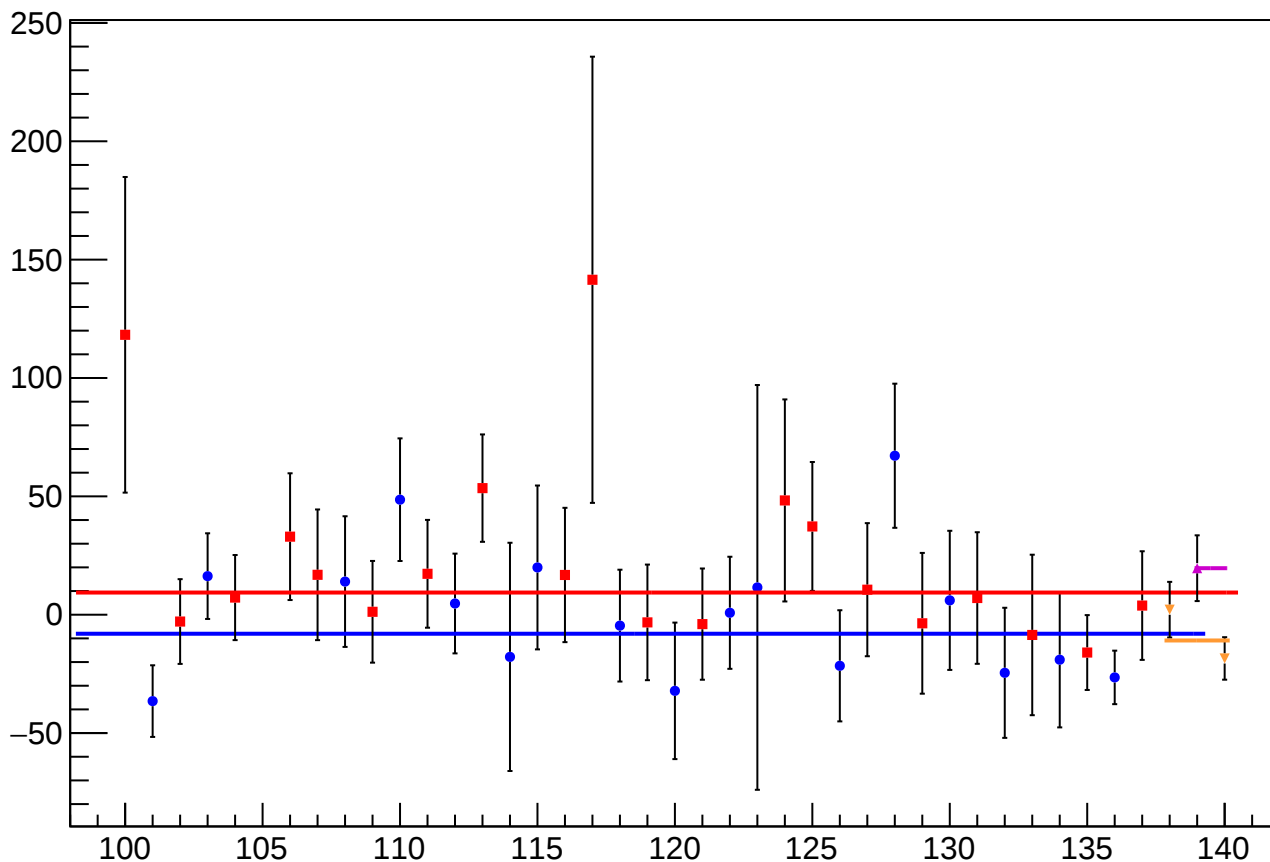
Left In: 5698.124+/-4.907 χ^2/NDF : 0.0/0

6725.514+/-1.695 χ^2/NDF : 742161.4/18

6720.705+/-1.215 χ^2/NDF : 1495474.3/39

6715.617+/-1.743 χ^2/NDF : 753296.3/20

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.036 ± 5.497 $\chi^2/\text{NDF}: 22.6/16$

Left Out: -10.881 ± 7.132 $\chi^2/\text{NDF}: 1.9/1$

Right Out: 9.368 ± 5.556 $\chi^2/\text{NDF}: 15.7/19$

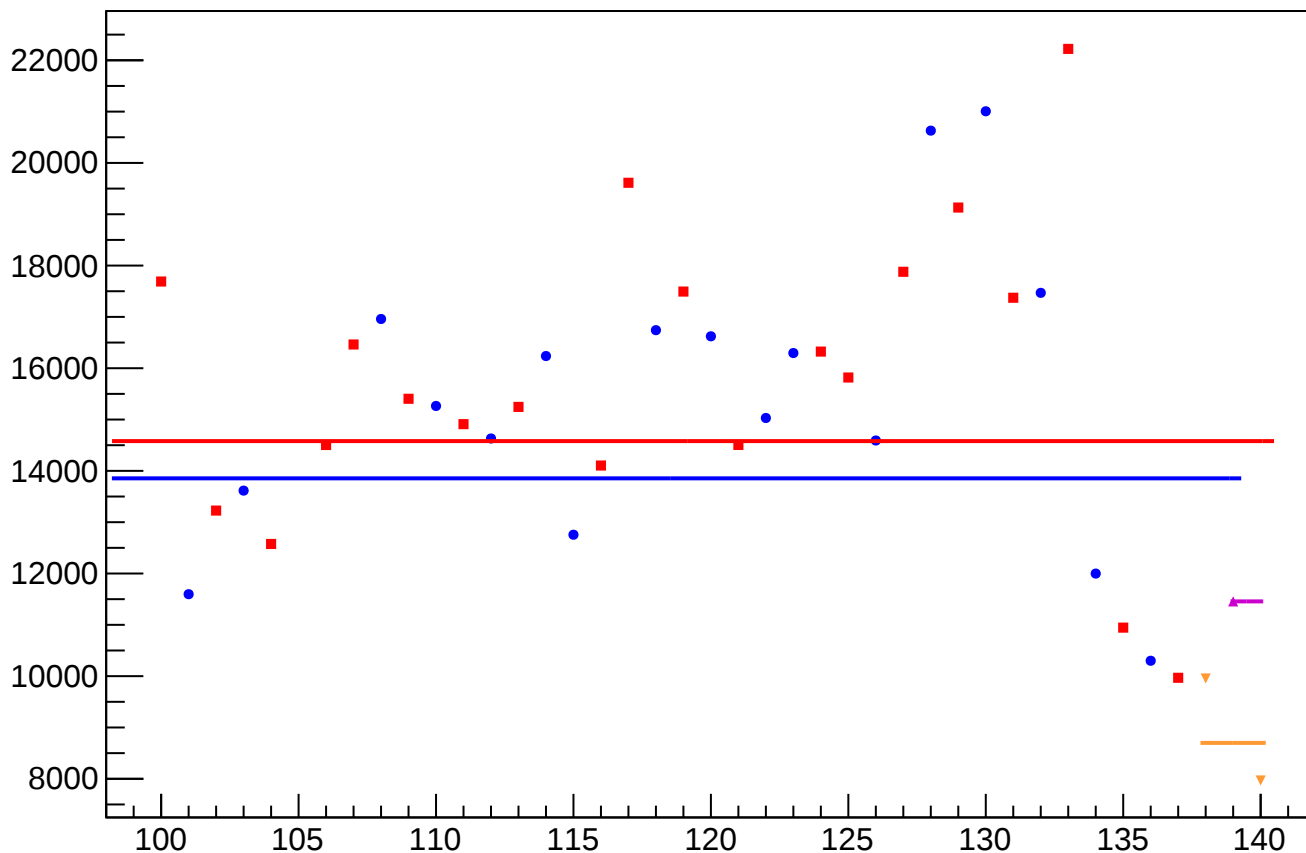
Left In: 19.651 ± 13.889 $\chi^2/\text{NDF}: 0.0/0$

-9.097 ± 4.354 $\chi^2/\text{NDF}: 24.6/18$

-0.825 ± 3.327 $\chi^2/\text{NDF}: 49.4/39$

10.787 ± 5.159 $\chi^2/\text{NDF}: 16.1/20$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13854.187+/-3.887 χ^2/NDF : 600963.4/16

Left Out: 8699.652+/-5.043 χ^2/NDF : 36132.0/1

Right Out: 14579.863+/-3.929 χ^2/NDF : 480003.4/19

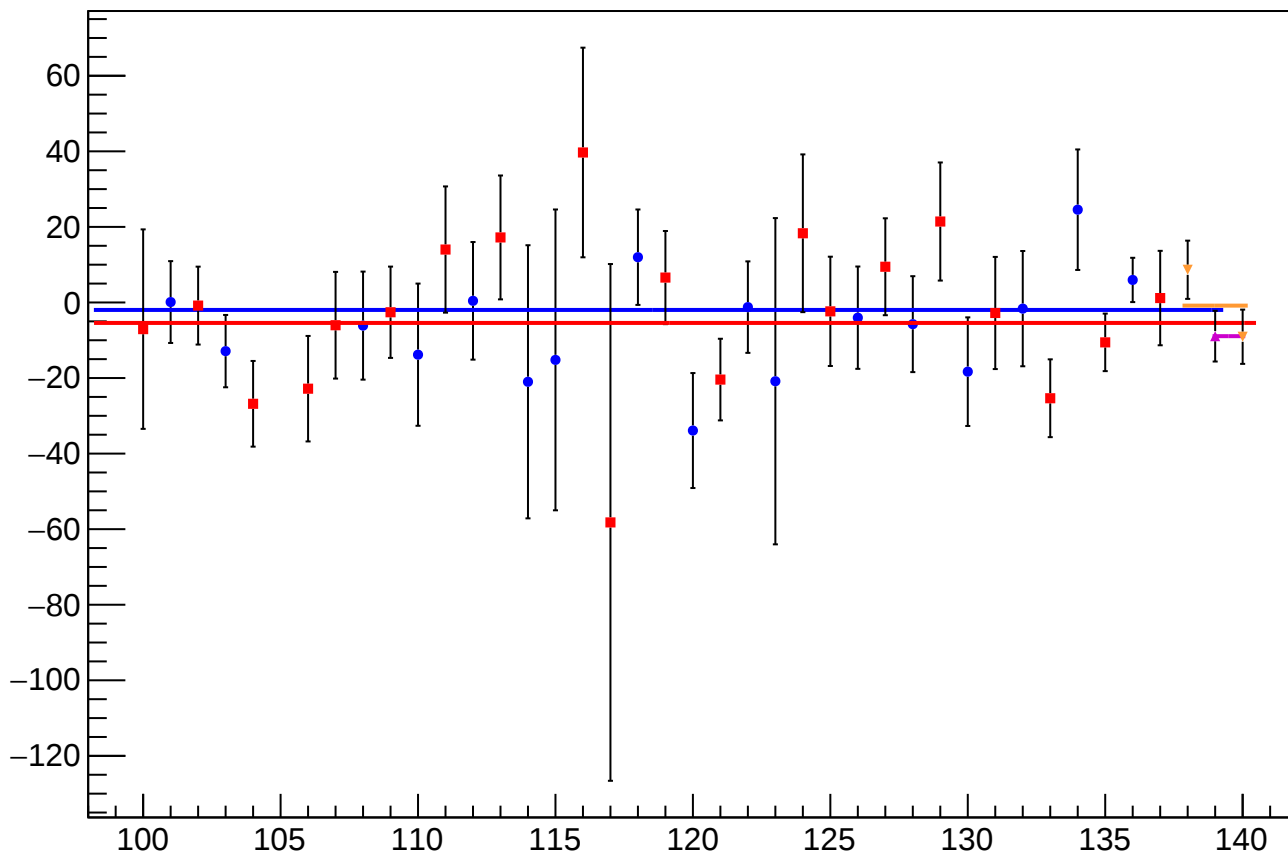
Left In: 11456.733+/-9.821 χ^2/NDF : 0.0/0

11933.050+/-3.079 χ^2/NDF : 1292432.7/18

12854.842+/-2.353 χ^2/NDF : 2075106.1/3

14148.950+/-3.648 χ^2/NDF : 567181.7/20

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.978 $\pm$ 3.094 χ^2/NDF : 14.0/16

Left Out: -0.835 $\pm$ 5.254 χ^2/NDF : 2.8/1

Right Out: -5.417 $\pm$ 2.956 χ^2/NDF : 24.9/19

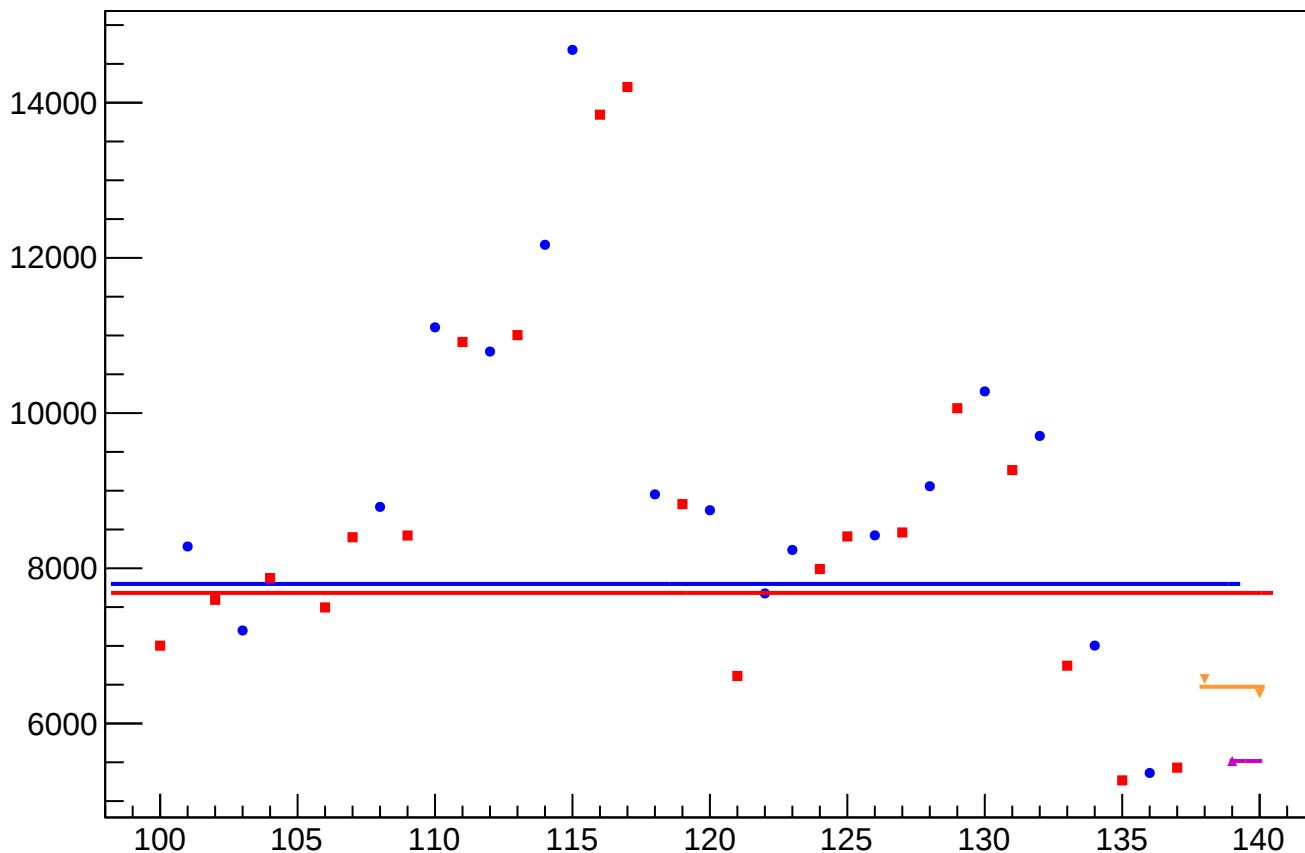
Left In: -8.919 $\pm$ 6.711 χ^2/NDF : 0.0/0

-1.684 $\pm$ 2.666 χ^2/NDF : 16.9/18

-3.803 $\pm$ 1.899 χ^2/NDF : 43.3/39

-5.986 $\pm$ 2.705 χ^2/NDF : 25.1/20

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7798.267 $\pm$ 2.188 χ^2 /NDF: 736283.6/16

Left Out: 6473.162 $\pm$ 3.715 χ^2 /NDF: 616.8/1

Right Out: 7682.786 $\pm$ 2.090 χ^2 /NDF: 690901.2/19

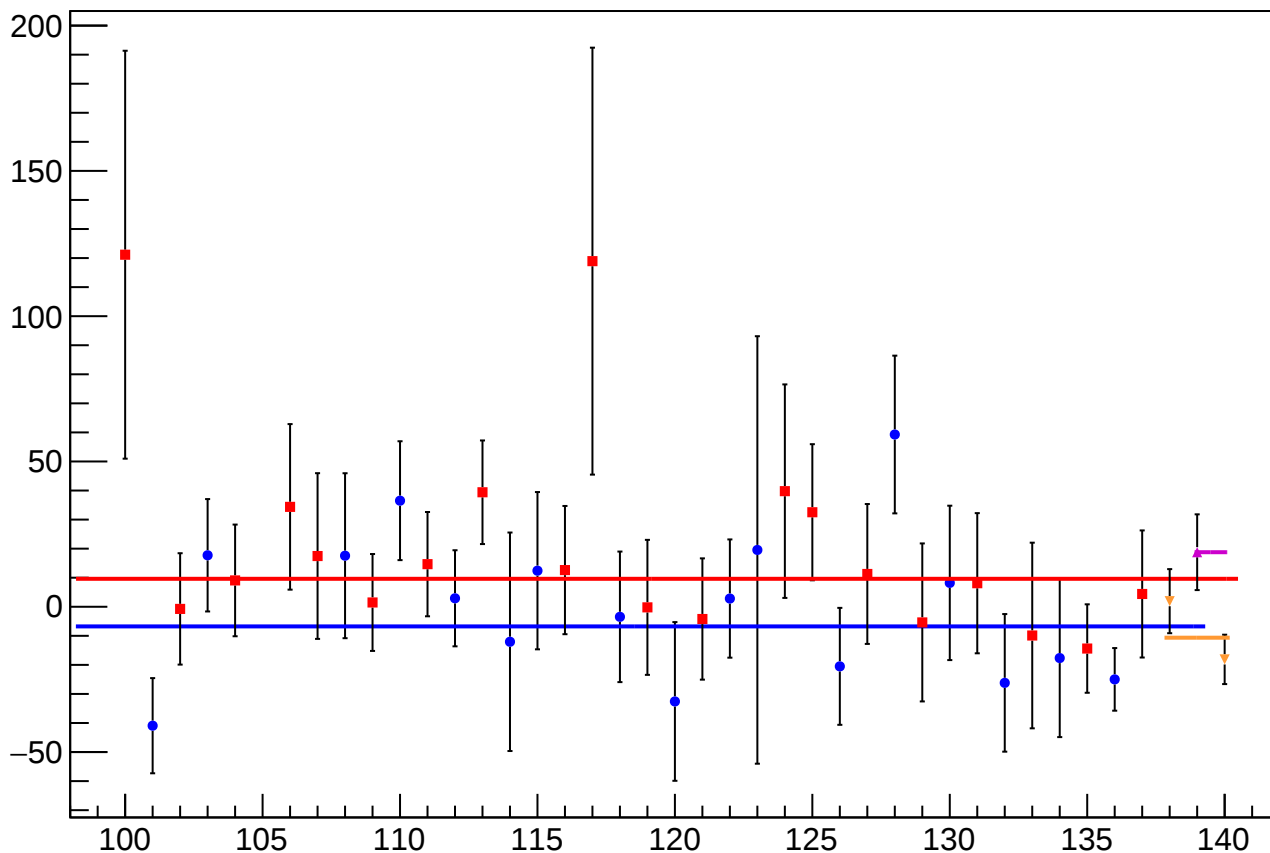
Left In: 5517.098 $\pm$ 4.745 χ^2 /NDF: 0.0/0

7457.033 $\pm$ 1.885 χ^2 /NDF: 831372.7/18

7394.899 $\pm$ 1.343 χ^2 /NDF: 1698922.3/39

7330.933 $\pm$ 1.913 χ^2 /NDF: 865344.8/20

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.760 ± 5.085 $\chi^2/\text{NDF}: 23.7/16$

Left Out: -10.645 ± 6.731 $\chi^2/\text{NDF}: 2.1/1$

Right Out: 9.622 ± 5.058 $\chi^2/\text{NDF}: 14.5/19$

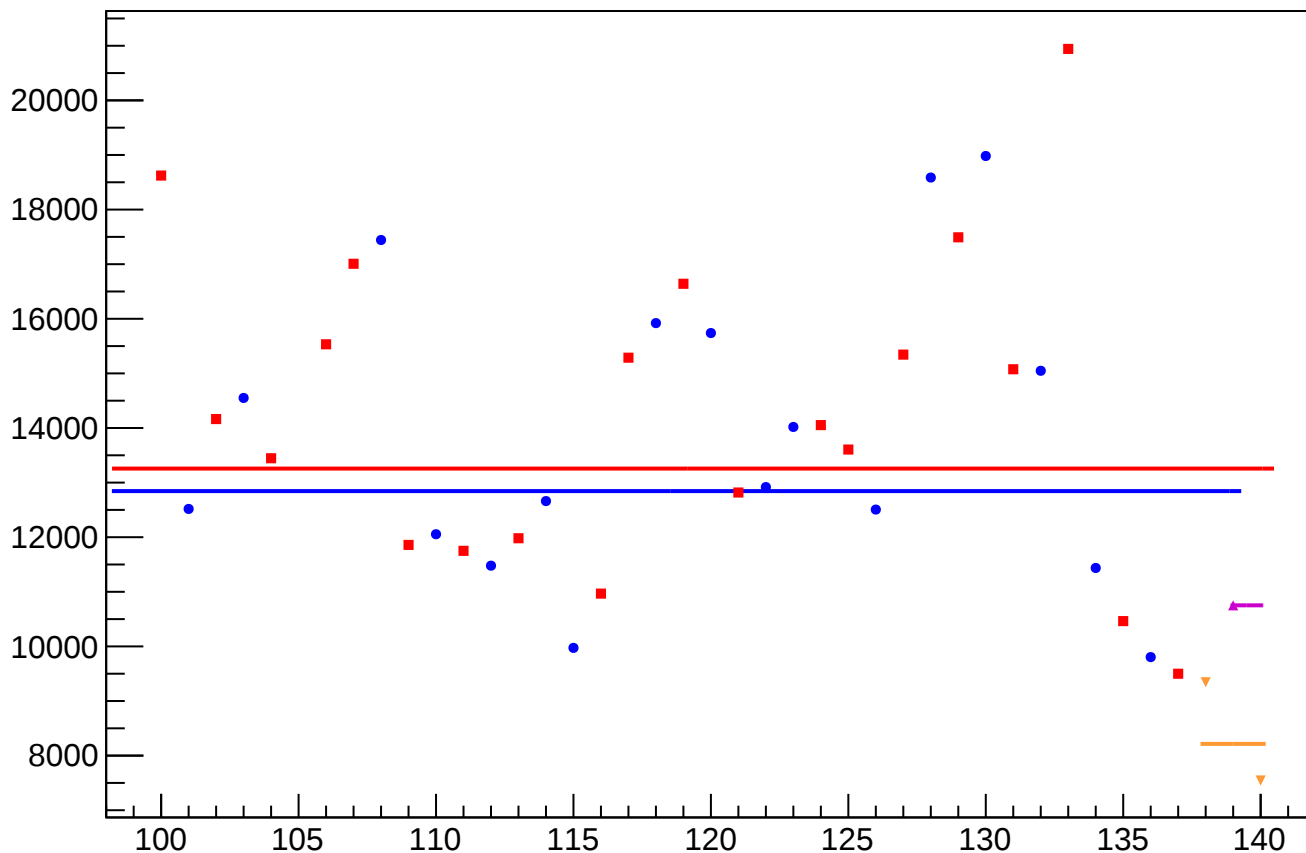
Left In: 18.775 ± 13.035 $\chi^2/\text{NDF}: 0.0/0$

-8.171 ± 4.057 $\chi^2/\text{NDF}: 26.0/18$

-0.093 ± 3.076 $\chi^2/\text{NDF}: 50.2/39$

10.820 ± 4.716 $\chi^2/\text{NDF}: 14.9/20$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12844.321+/-3.595 χ^2/NDF : 547271.0/16

Left Out: 8215.214+/-4.760 χ^2/NDF : 33403.4/1

Right Out: 13256.926+/-3.577 χ^2/NDF : 487016.8/19

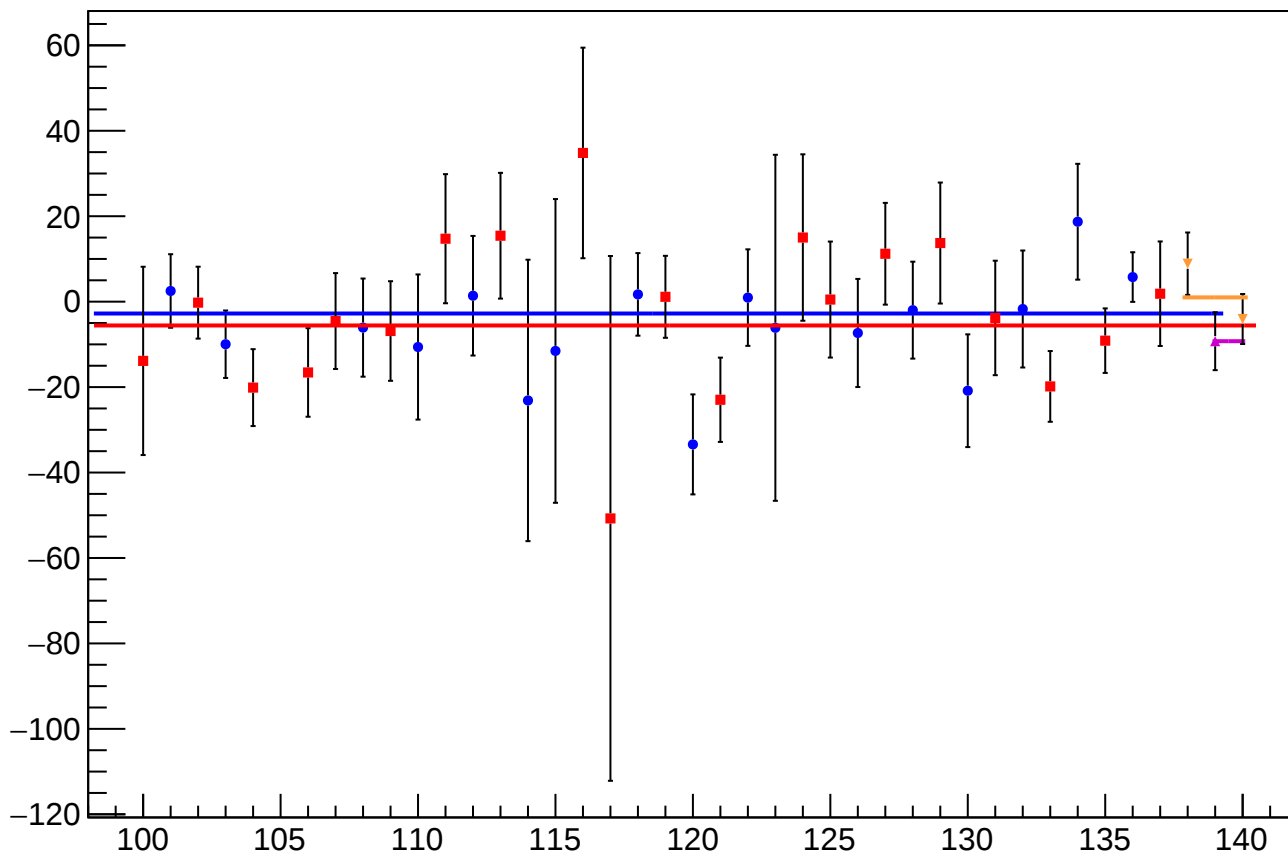
Left In: 10752.301+/-9.217 χ^2/NDF : 0.0/0

11162.533+/-2.869 χ^2/NDF : 1182912.7/18

11913.948+/-2.175 χ^2/NDF : 1895388.1/3

12929.089+/-3.335 χ^2/NDF : 551196.4/20

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.774 $\pm$ 2.732 χ^2/NDF : 15.9/16

Left Out: 0.999 $\pm$ 4.566 χ^2/NDF : 1.9/1

Right Out: -5.571 $\pm$ 2.585 χ^2/NDF : 23.7/19

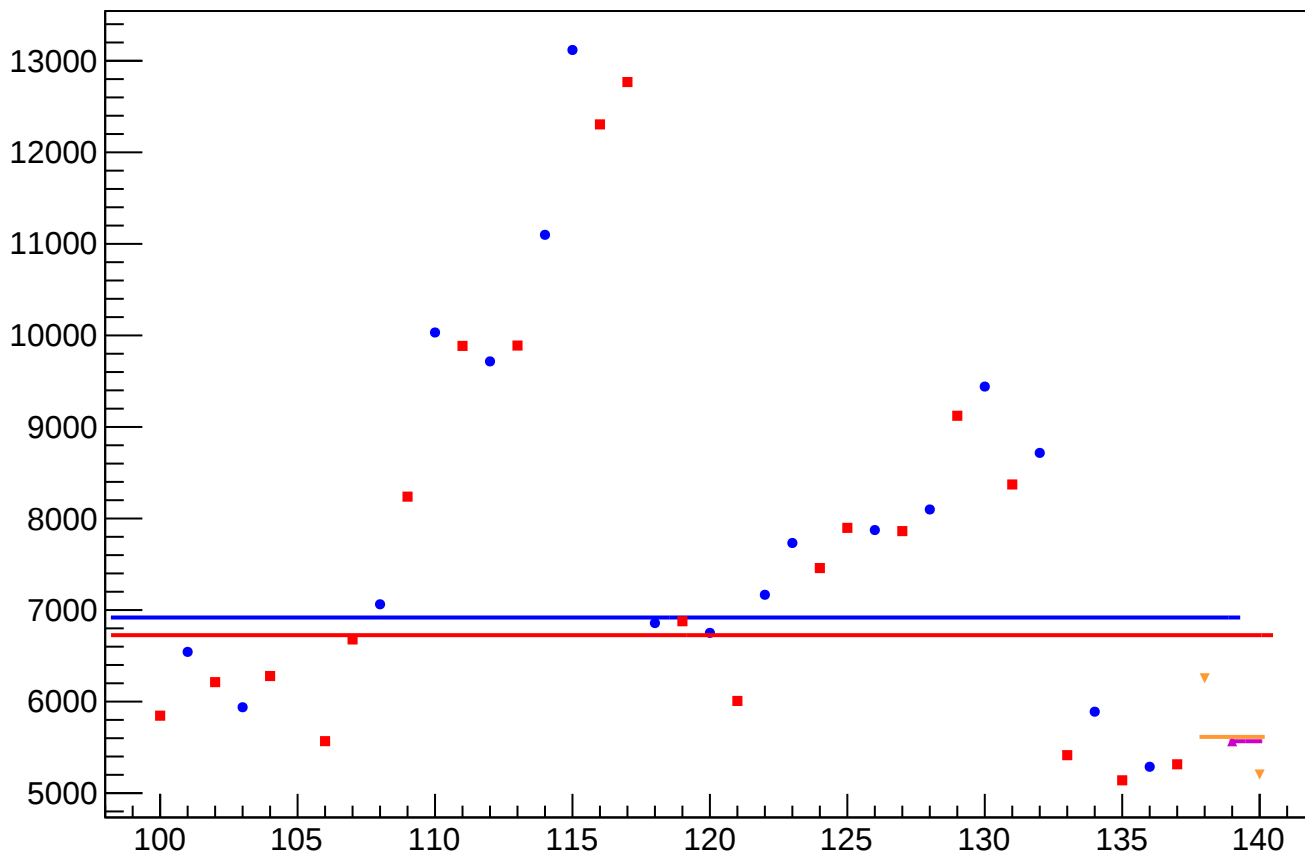
Left In: -9.255 $\pm$ 6.781 χ^2/NDF : 0.0/0

-1.780 $\pm$ 2.344 χ^2/NDF : 18.3/18

-3.845 $\pm$ 1.682 χ^2/NDF : 43.9/39

-6.039 $\pm$ 2.416 χ^2/NDF : 24.0/20

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.477+/-1.932 χ^2/NDF : 587039.3/16

Left Out: 5614.195+/-3.229 χ^2/NDF : 25231.7/1

Right Out: 6725.745+/-1.828 χ^2/NDF : 675399.9/19

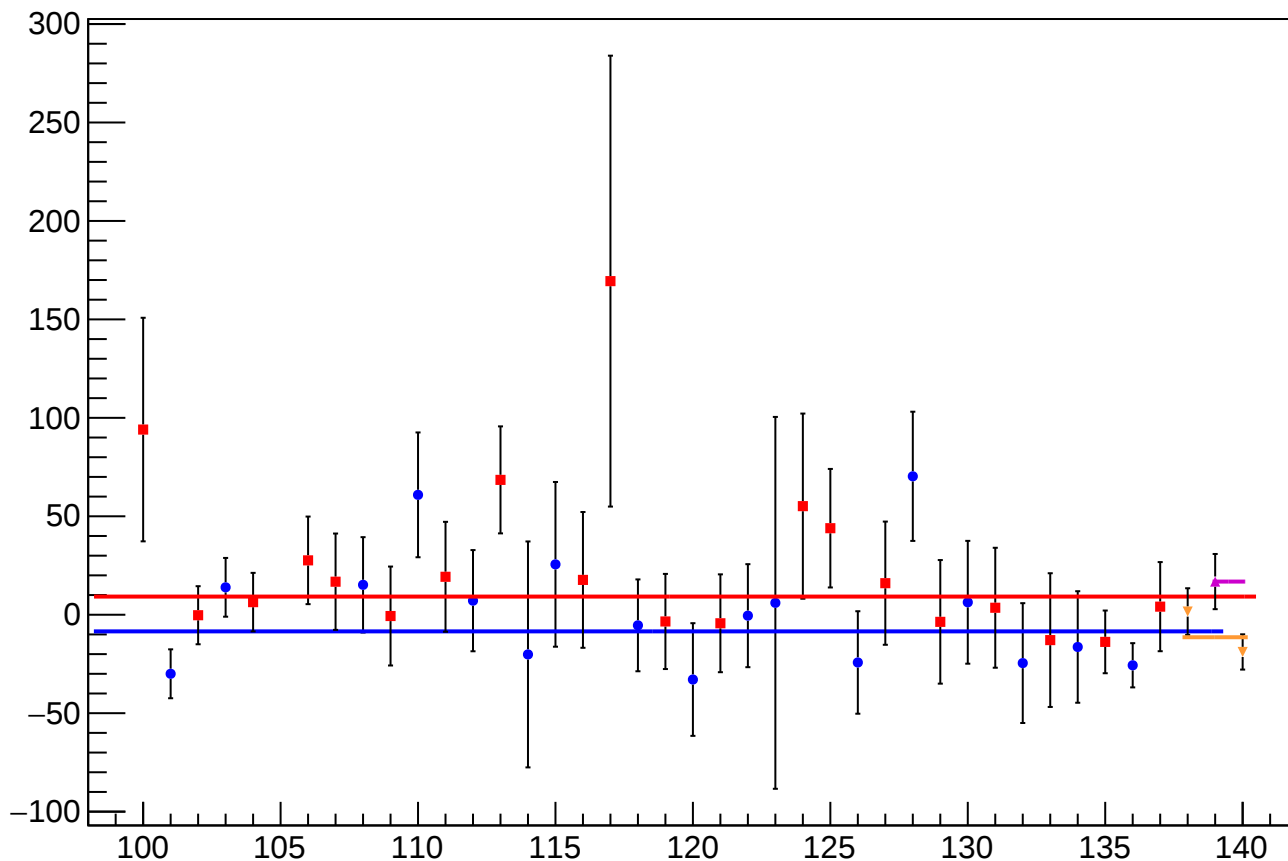
Left In: 5566.800+/-4.795 χ^2/NDF : 0.0/0

6574.731+/-1.658 χ^2/NDF : 732438.3/18

6576.641+/-1.190 χ^2/NDF : 1458852.0/39

6578.669+/-1.708 χ^2/NDF : 726410.9/20

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.448 ± 5.393 $\chi^2/\text{NDF}: 22.0/16$

Left Out: -11.428 ± 7.139 $\chi^2/\text{NDF}: 1.9/1$

Right Out: 9.224 ± 5.502 $\chi^2/\text{NDF}: 16.2/19$

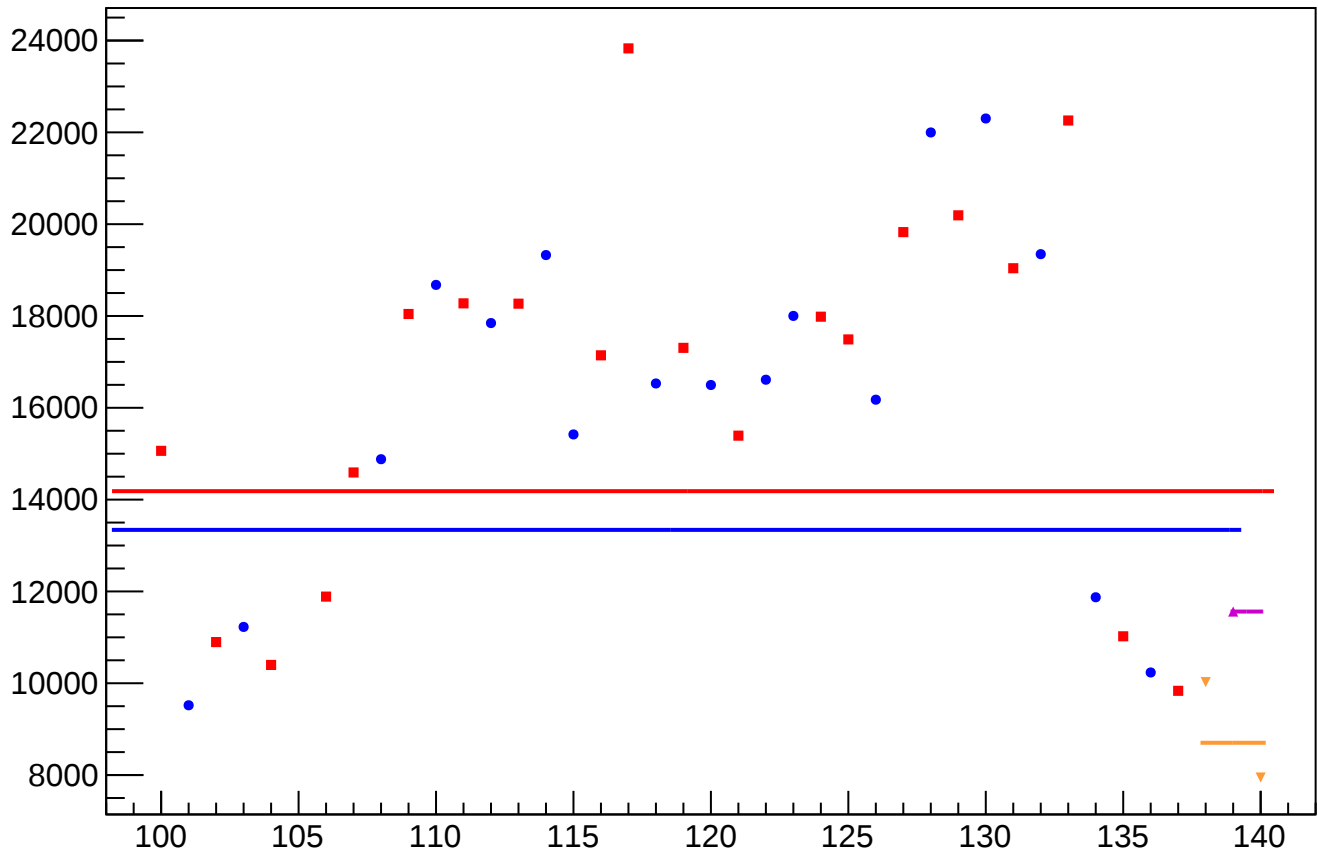
Left In: 16.842 ± 14.016 $\chi^2/\text{NDF}: 0.0/0$

-9.531 ± 4.303 $\chi^2/\text{NDF}: 24.0/18$

-1.349 ± 3.295 $\chi^2/\text{NDF}: 49.2/39$

10.241 ± 5.122 $\chi^2/\text{NDF}: 16.4/20$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13340.948+/-3.813 χ^2/NDF : 1044569.8/16

Left Out: 8703.372+/-5.048 χ^2/NDF : 39233.1/1

Right Out: 14184.146+/-3.891 χ^2/NDF : 946010.4/19

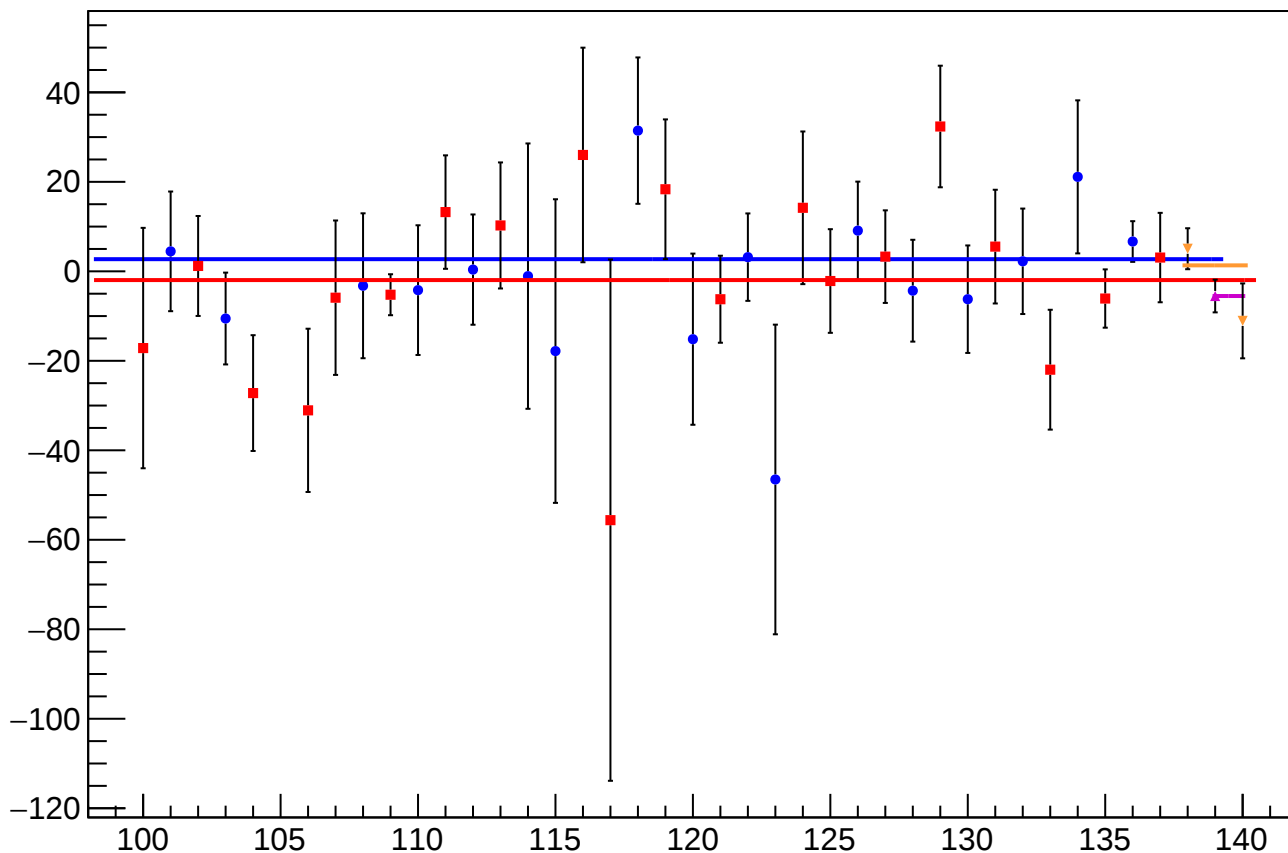
Left In: 11561.507+/-9.911 χ^2/NDF : 0.0/0

11656.137+/-3.043 χ^2/NDF : 1621111.3/18

12557.374+/-2.330 χ^2/NDF : 2839783.8/3

13833.963+/-3.621 χ^2/NDF : 1006687.2/20

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.717 ± 2.752 χ^2/NDF : 11.6/16

Left Out: 1.335 ± 4.018 χ^2/NDF : 2.9/1

Right Out: -1.955 ± 2.437 χ^2/NDF : 24.4/19

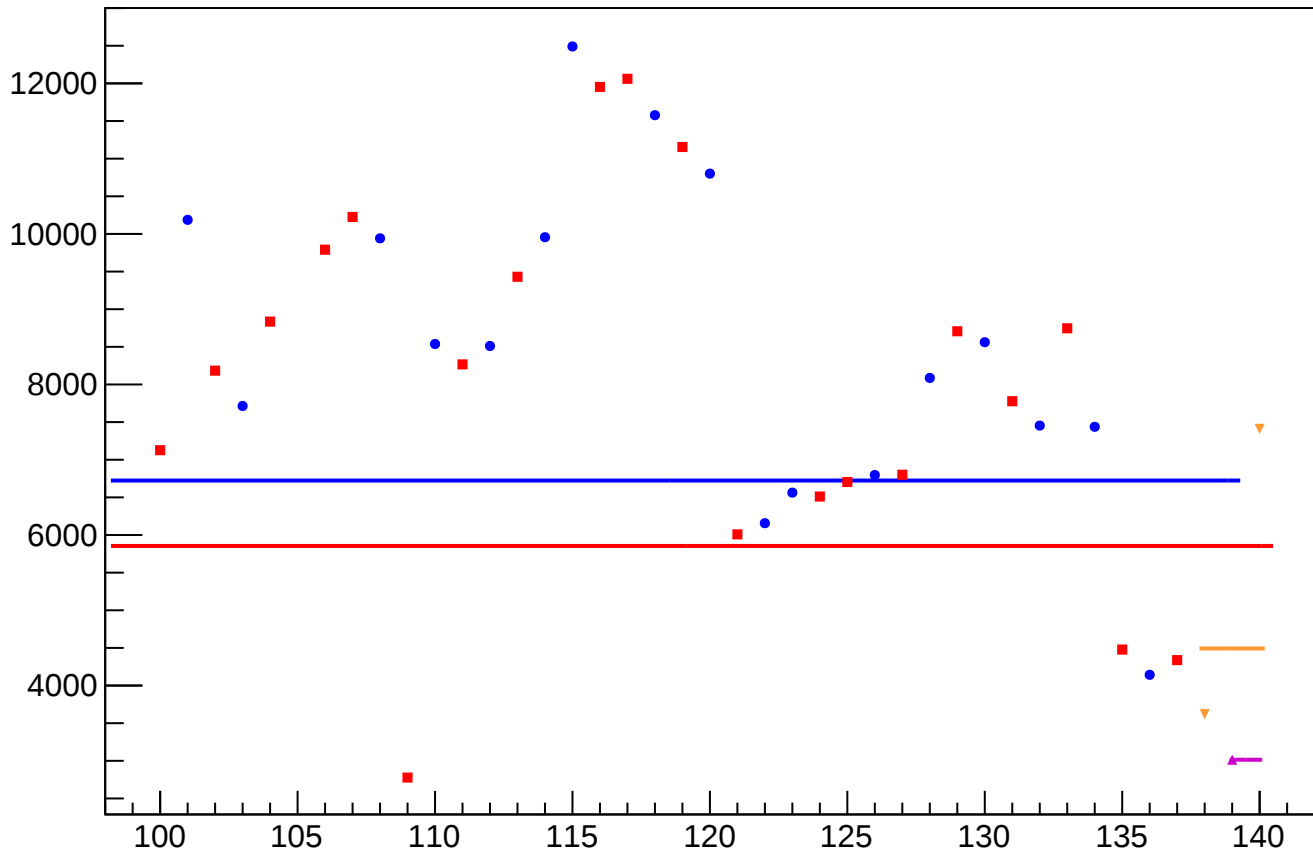
Left In: -5.518 ± 3.655 χ^2/NDF : 0.0/0

2.276 ± 2.270 χ^2/NDF : 14.6/18

-0.688 ± 1.512 χ^2/NDF : 42.7/39

-3.051 ± 2.028 χ^2/NDF : 25.0/20

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6723.839+/-1.946 χ^2/NDF : 1392082.5/16

Left Out: 4492.860+/-2.841 χ^2/NDF : 315754.5/1

Right Out: 5854.708+/-1.723 χ^2/NDF : 2299964.9/19

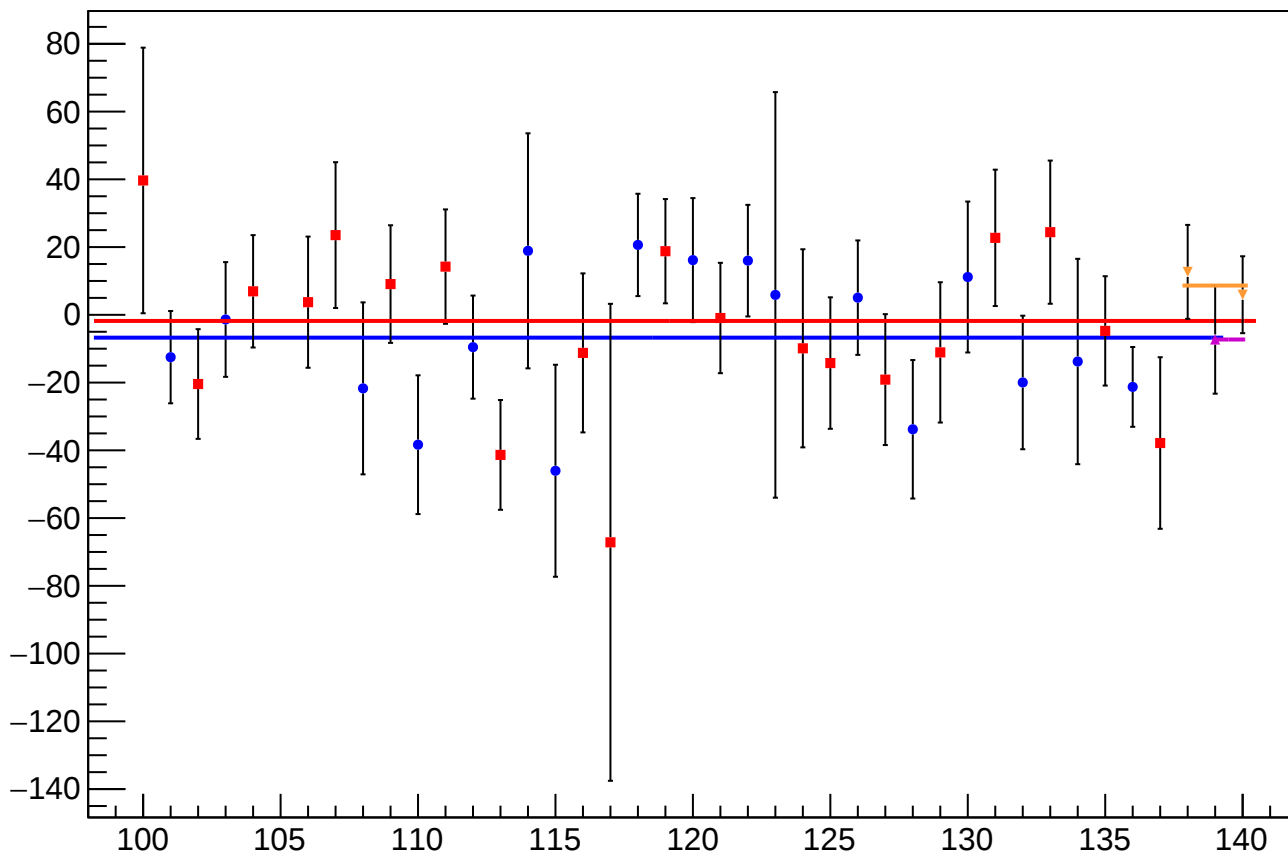
Left In: 3014.368+/-2.585 χ^2/NDF : 0.0/0

6011.354+/-1.605 χ^2/NDF : 2127591.9/18

5438.017+/-1.069 χ^2/NDF : 5492860.0/39

4980.799+/-1.434 χ^2/NDF : 3136029.0/20

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.736 $\pm$ 4.513 χ^2 /NDF: 16.9/16

Left Out: 8.645 $\pm$ 8.783 χ^2 /NDF: 0.1/1

Right Out: -1.802 $\pm$ 4.364 χ^2 /NDF: 20.8/19

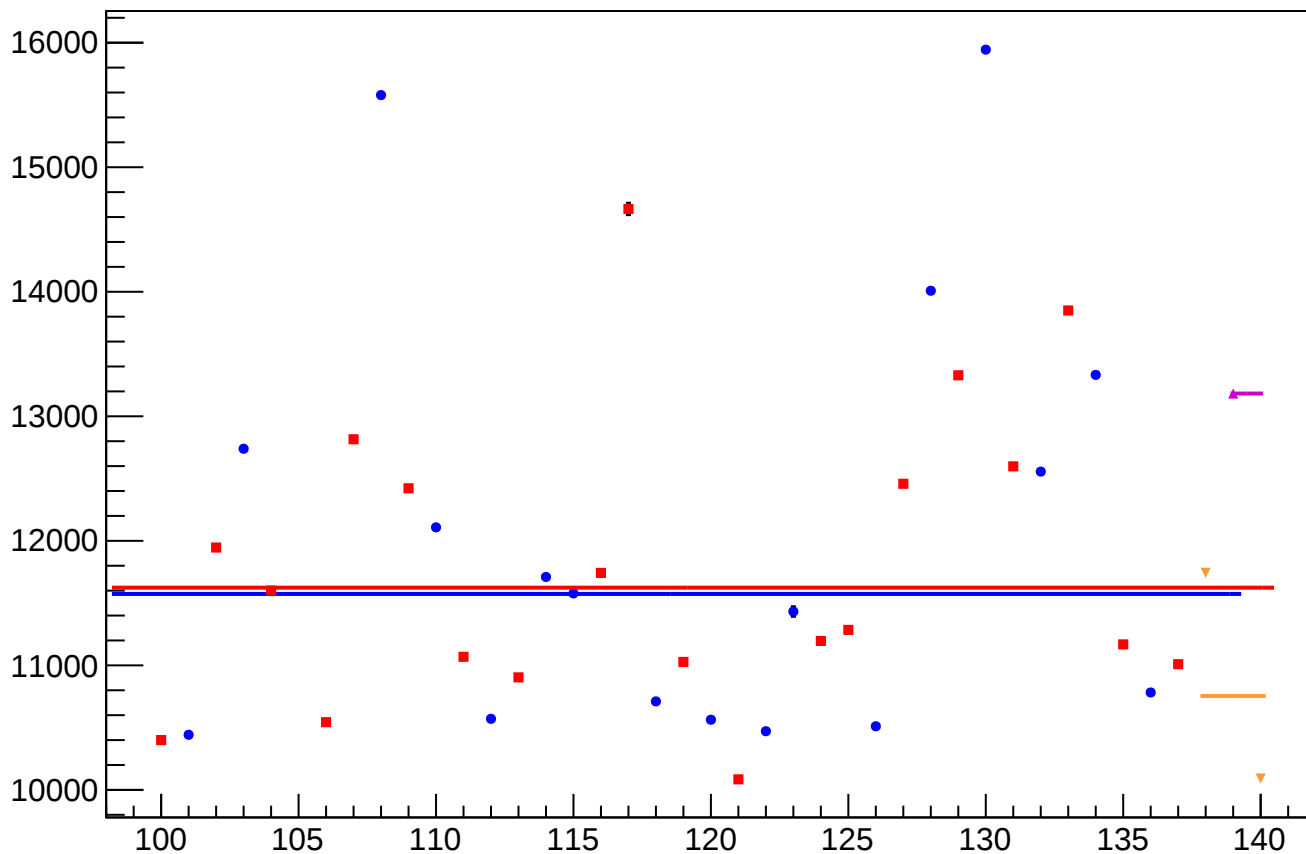
Left In: -7.284 $\pm$ 15.992 χ^2 /NDF: 0.0/0

-3.524 $\pm$ 4.014 χ^2 /NDF: 19.4/18

-2.885 $\pm$ 2.905 χ^2 /NDF: 40.4/39

-2.182 $\pm$ 4.210 χ^2 /NDF: 20.9/20

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.490+/-3.191 χ^2/NDF : 238734.7/16

Left Out: 10754.416+/-6.211 χ^2/NDF : 16993.5/1

Right Out: 11623.951+/-3.086 χ^2/NDF : 98055.0/19

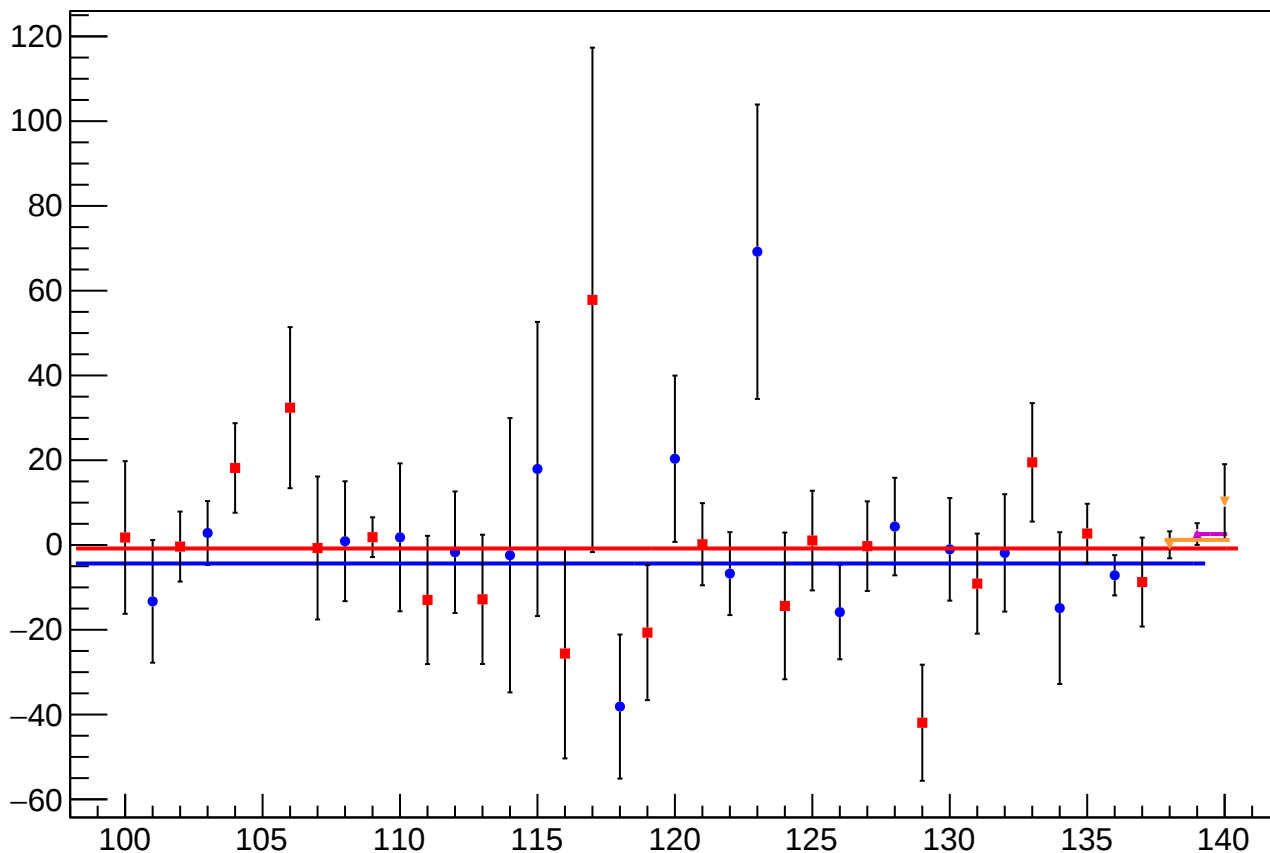
Left In: 13182.643+/-11.308 χ^2/NDF : 0.0/0

11402.422+/-2.838 χ^2/NDF : 269487.9/18

11559.354+/-2.054 χ^2/NDF : 391646.3/39

11731.981+/-2.977 χ^2/NDF : 115738.8/20

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.361 $\pm$ 2.776 χ^2/NDF : 14.5/16

Left Out: 1.206 $\pm$ 2.990 χ^2/NDF : 1.2/1

Right Out: -0.816 $\pm$ 2.424 χ^2/NDF : 24.5/19

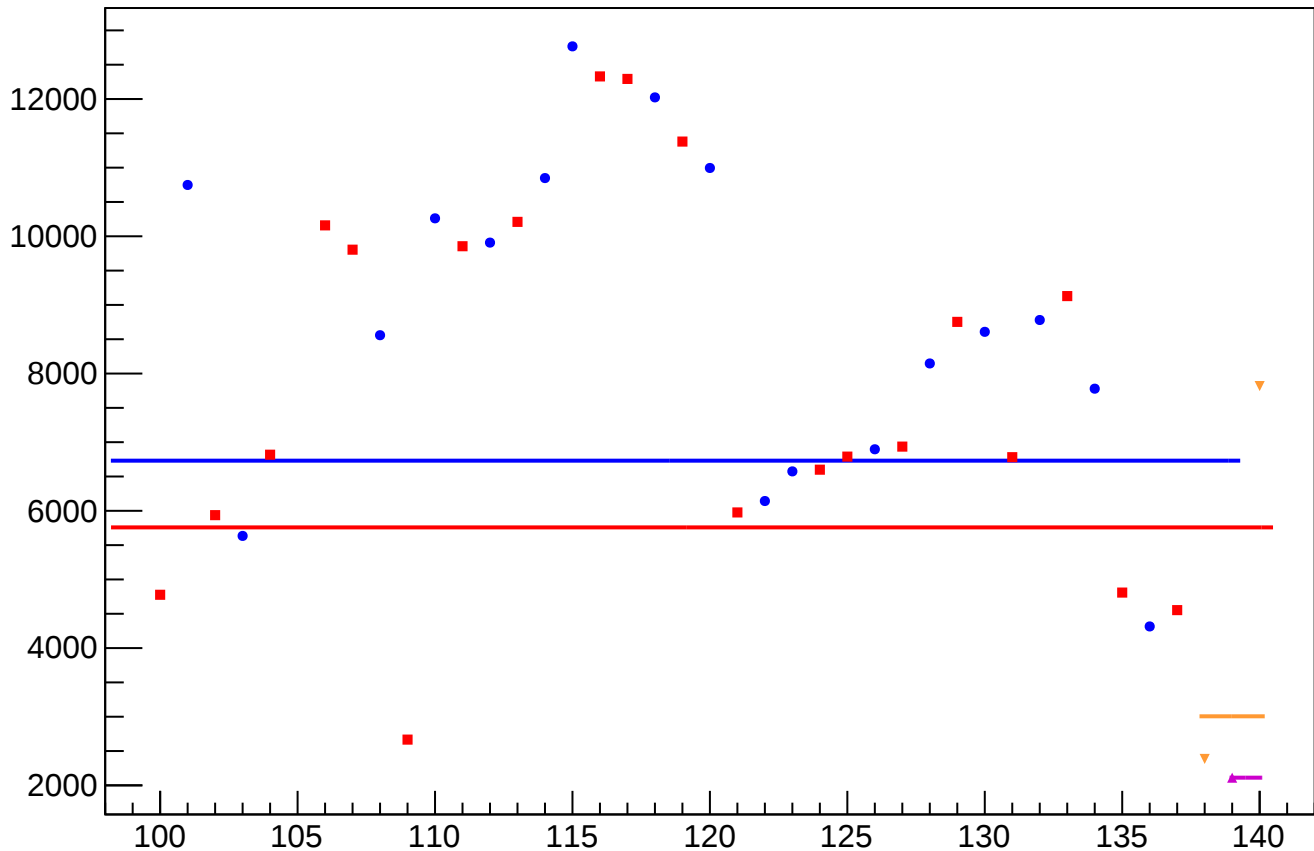
Left In: 2.586 $\pm$ 2.561 χ^2/NDF : 0.0/0

-1.784 $\pm$ 2.035 χ^2/NDF : 17.6/18

-0.311 $\pm$ 1.331 χ^2/NDF : 43.9/39

0.791 $\pm$ 1.761 χ^2/NDF : 25.4/20

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6730.725+/-1.963 χ^2/NDF : 1445240.4/16

Left Out: 3005.999+/-2.114 χ^2/NDF : 668465.1/1

Right Out: 5758.506+/-1.714 χ^2/NDF : 2186395.0/19

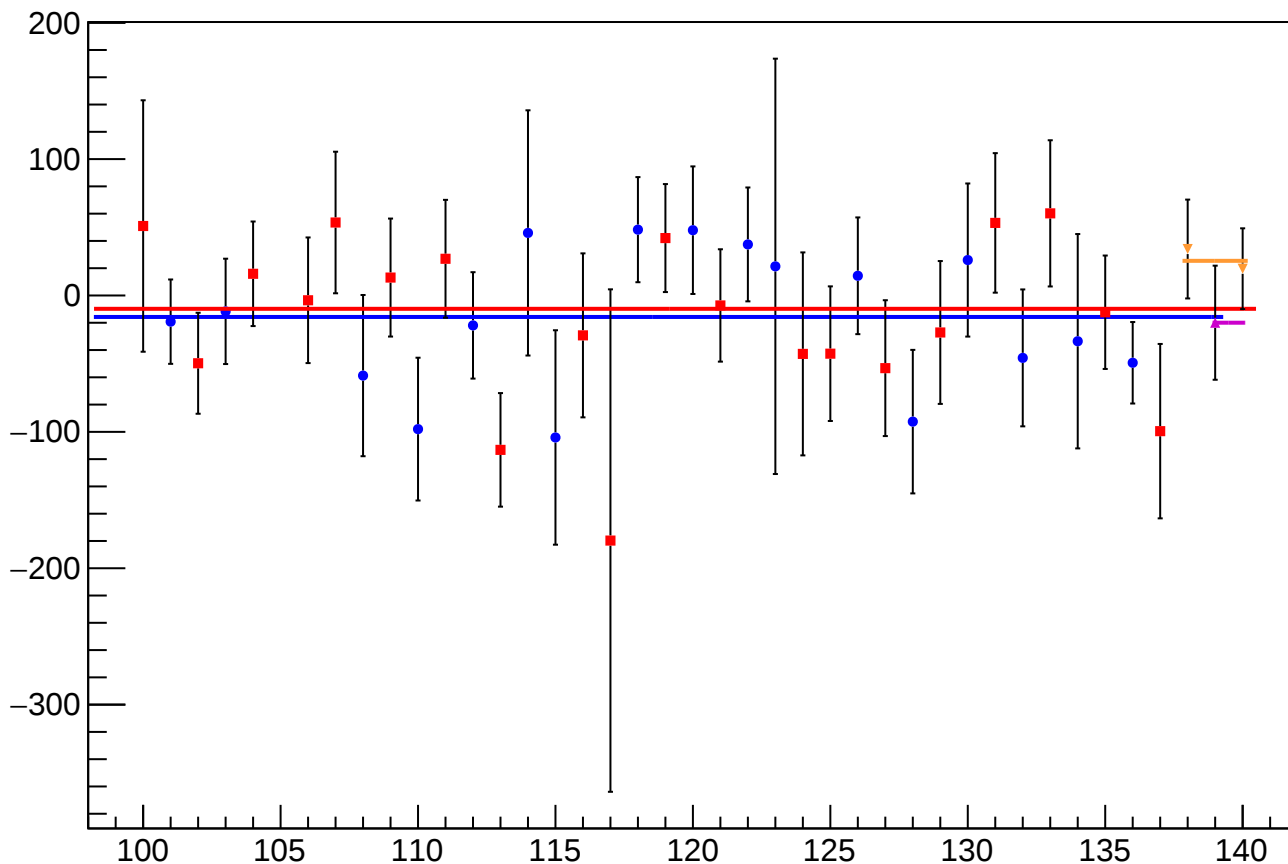
Left In: 2111.872+/-1.811 χ^2/NDF : 0.0/0

5006.410+/-1.439 χ^2/NDF : 3780253.9/18

4451.088+/-0.941 χ^2/NDF : 8365988.1/39

4035.299+/-1.245 χ^2/NDF : 4325181.0/20

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.751 ± 11.207 χ^2/NDF : 15.9/16

Left Out: 25.408 ± 22.933 χ^2/NDF : 0.1/1

Right Out: -9.773 ± 10.870 χ^2/NDF : 20.1/19

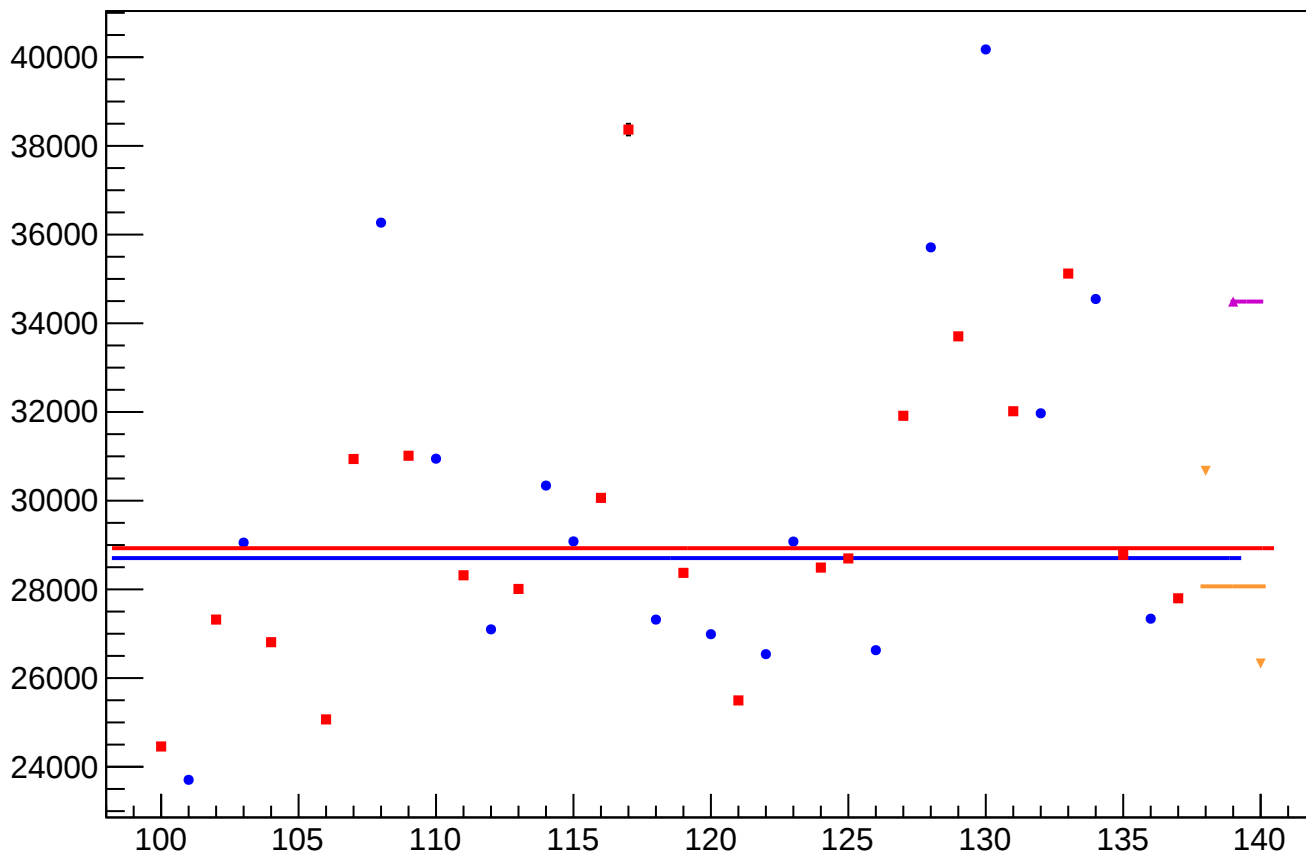
Left In: -19.966 ± 41.828 χ^2/NDF : 0.0/0

-7.816 ± 10.069 χ^2/NDF : 18.6/18

-9.060 ± 7.274 χ^2/NDF : 38.8/39

-10.418 ± 10.521 χ^2/NDF : 20.2/20

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28705.569+/-7.925 χ^2/NDF : 250992.5/16

Left Out: 28068.070+/-16.216 χ^2/NDF : 17227.5/1

Right Out: 28928.520+/-7.686 χ^2/NDF : 116482.4/19

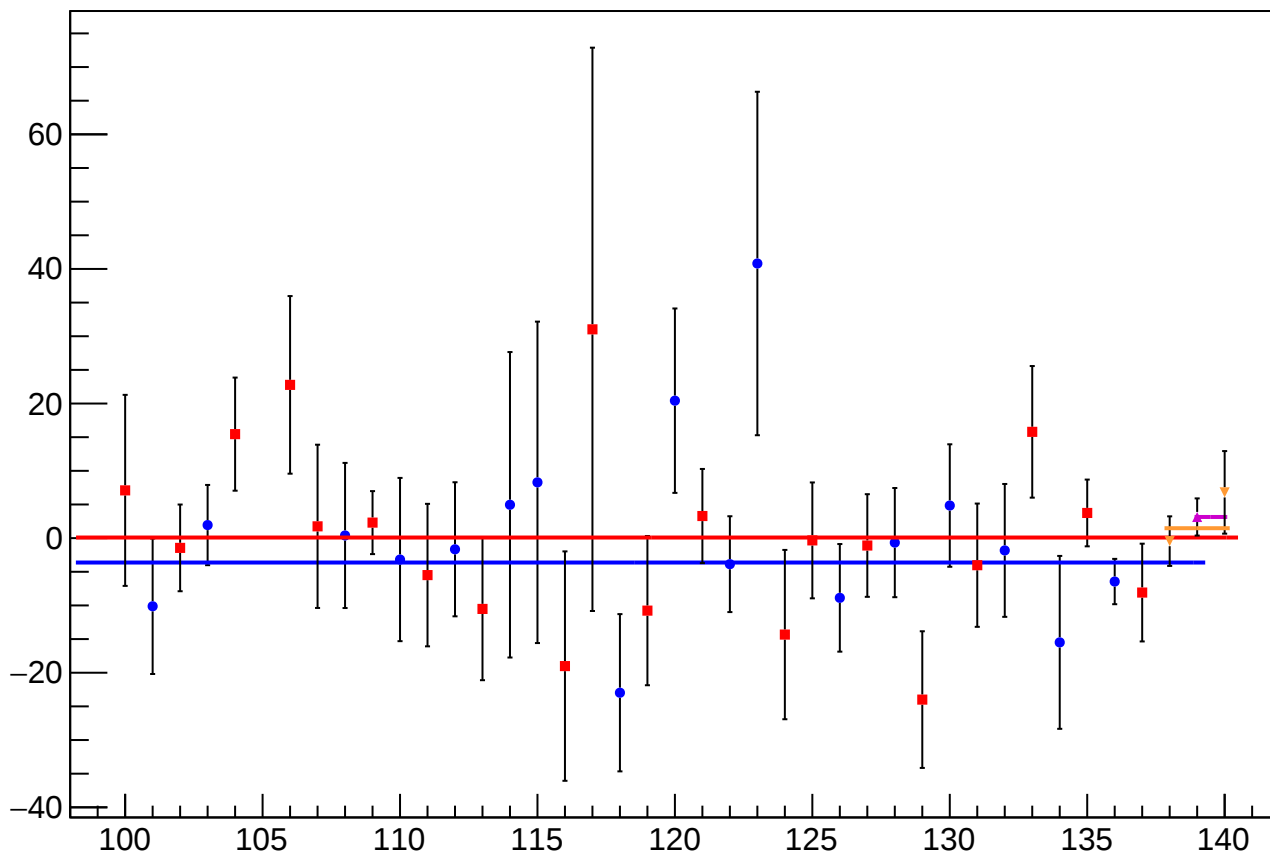
Left In: 34489.690+/-29.577 χ^2/NDF : 0.0/0

28582.665+/-7.120 χ^2/NDF : 269467.6/18

28916.219+/-5.144 χ^2/NDF : 423657.7/39

29280.349+/-7.439 χ^2/NDF : 149599.6/20

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.625 ± 2.006 χ^2/NDF : 13.7/16

Left Out: 1.474 ± 3.159 χ^2/NDF : 1.0/1

Right Out: 0.090 ± 1.888 χ^2/NDF : 22.6/19

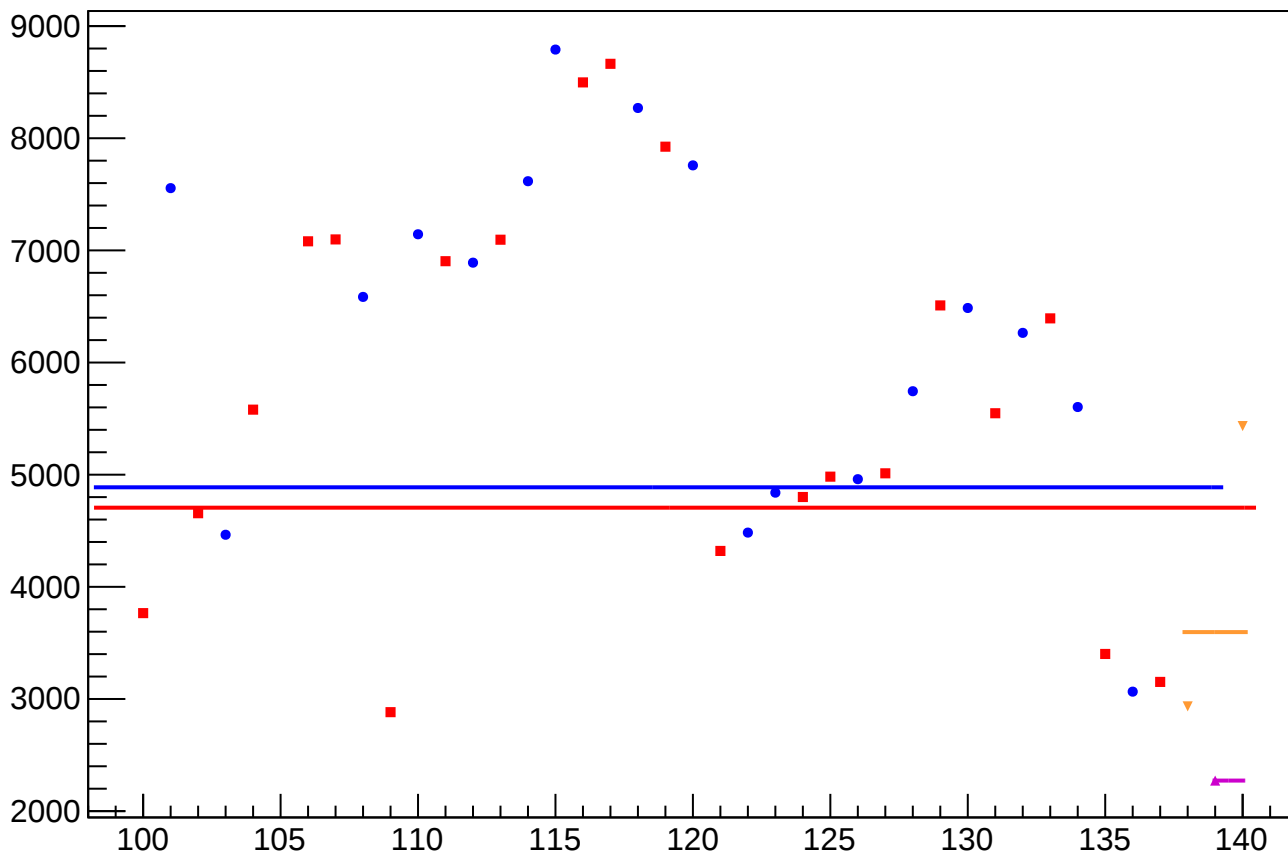
Left In: 3.144 ± 2.761 χ^2/NDF : 0.0/0

-2.159 ± 1.693 χ^2/NDF : 16.6/18

-0.415 ± 1.147 χ^2/NDF : 42.1/39

1.063 ± 1.559 χ^2/NDF : 23.5/20

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4887.515+/-1.418 χ^2/NDF : 1409296.8/16

Left Out: 3596.472+/-2.234 χ^2/NDF : 243944.3/1

Right Out: 4705.797+/-1.335 χ^2/NDF : 1331043.3/19

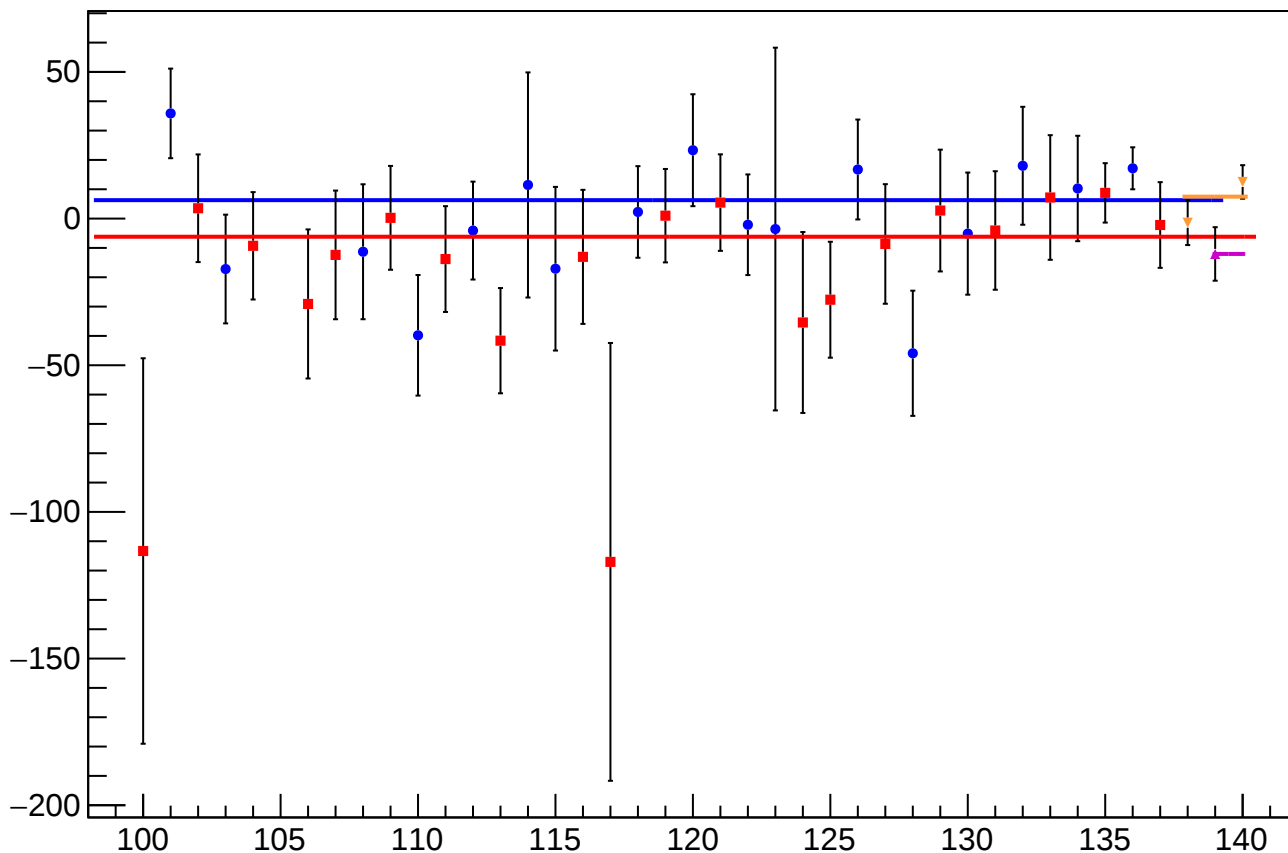
Left In: 2272.443+/-1.953 χ^2/NDF : 0.0/0

4516.466+/-1.197 χ^2/NDF : 1891329.5/18

4199.301+/-0.811 χ^2/NDF : 4410279.2/39

3930.628+/-1.102 χ^2/NDF : 2389355.4/20

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.283 ± 4.064 $\chi^2/\text{NDF}: 22.5/16$

Left Out: 7.486 ± 4.571 $\chi^2/\text{NDF}: 2.1/1$

Right Out: -6.182 ± 4.212 $\chi^2/\text{NDF}: 16.0/19$

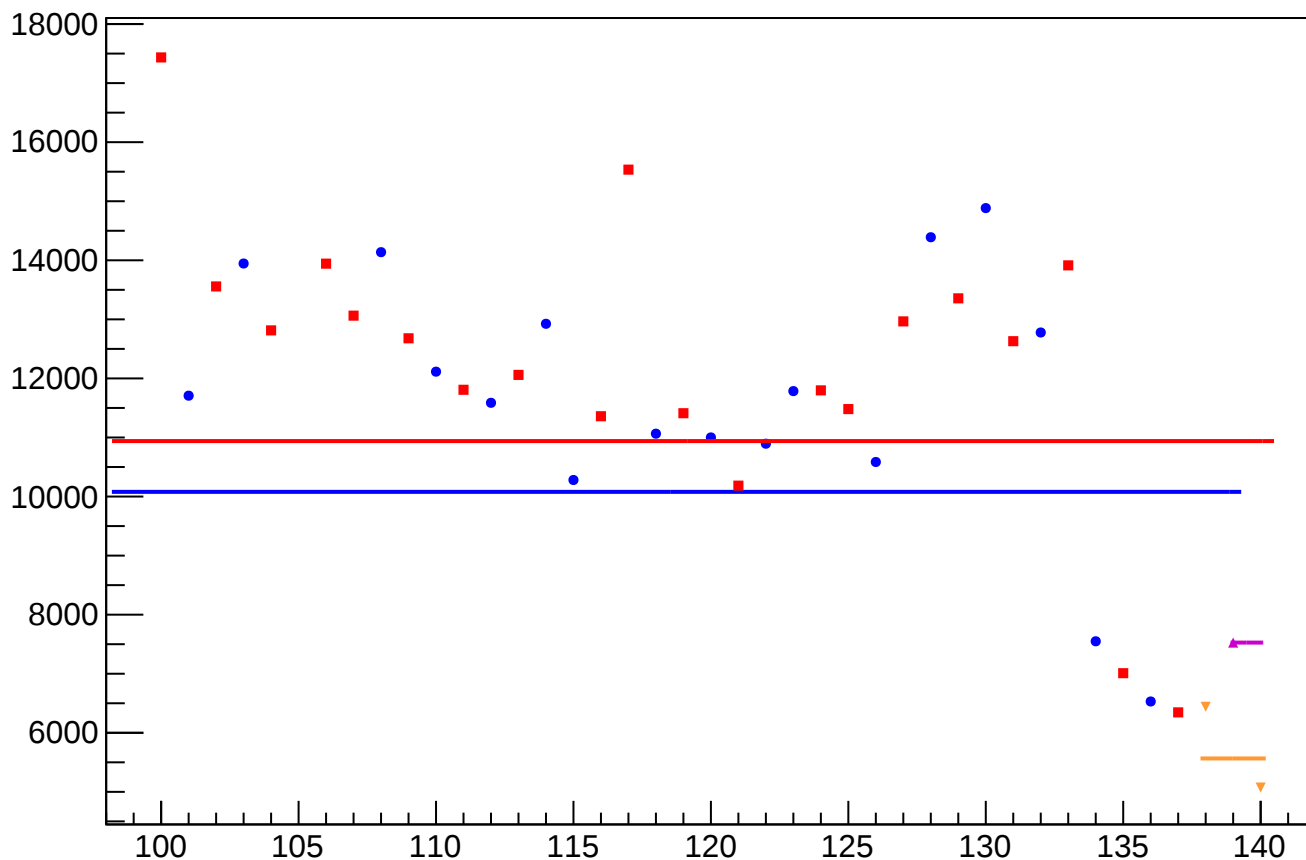
Left In: -12.053 ± 9.125 $\chi^2/\text{NDF}: 0.0/0$

6.814 ± 3.037 $\chi^2/\text{NDF}: 24.7/18$

1.390 ± 2.378 $\chi^2/\text{NDF}: 49.3/39$

-7.213 ± 3.825 $\chi^2/\text{NDF}: 16.4/20$

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10079.454+/-2.874 χ^2/NDF : 994683.1/16

Left Out: 5565.491+/-3.232 χ^2/NDF : 41279.7/1

Right Out: 10939.227+/-2.979 χ^2/NDF : 776055.3/19

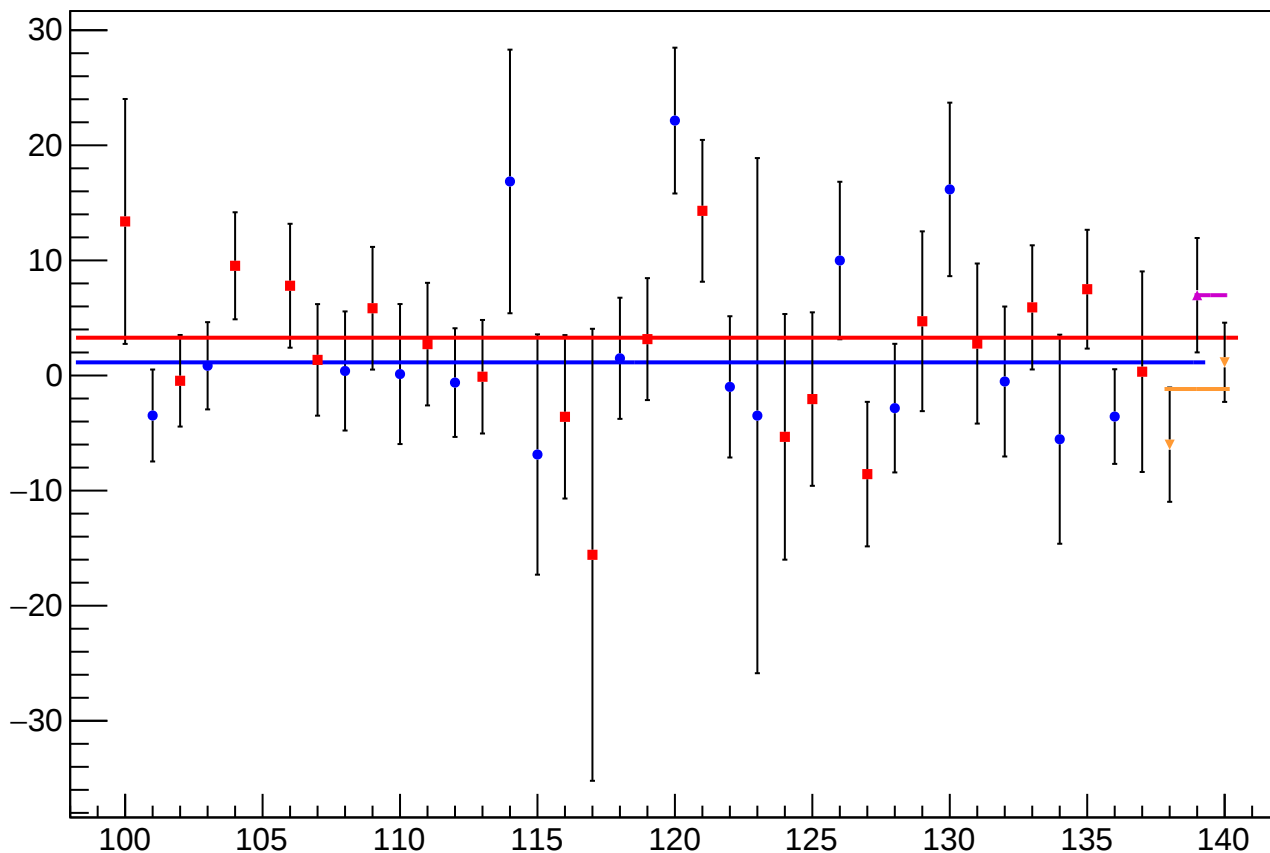
Left In: 7527.275+/-6.453 χ^2/NDF : 0.0/0

8086.309+/-2.148 χ^2/NDF : 2125374.4/18

8957.845+/-1.682 χ^2/NDF : 3557779.4/39

10339.910+/-2.704 χ^2/NDF : 1006538.3/20

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.142 $\pm$ 1.395 χ^2 /NDF: 23.2/16

Left Out: -1.173 $\pm$ 2.829 χ^2 /NDF: 1.4/1

Right Out: 3.284 $\pm$ 1.330 χ^2 /NDF: 16.0/19

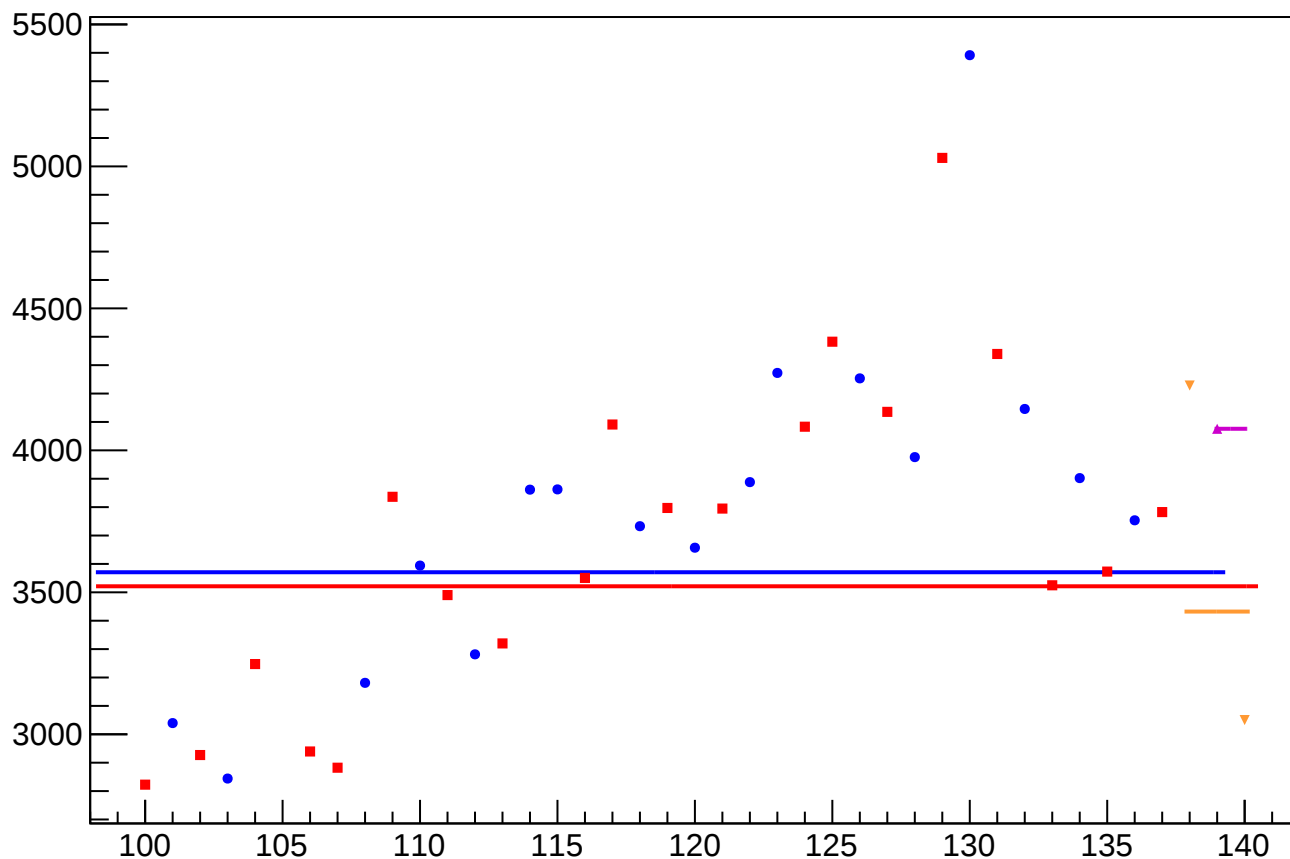
Left In: 6.978 $\pm$ 4.970 χ^2 /NDF: 0.0/0

0.689 $\pm$ 1.251 χ^2 /NDF: 25.2/18

2.073 $\pm$ 0.896 χ^2 /NDF: 44.2/39

3.531 $\pm$ 1.285 χ^2 /NDF: 16.5/20

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.707+/-0.987 χ^2/NDF : 309568.0/16

Left Out: 3432.225+/-2.000 χ^2/NDF : 76038.6/1

Right Out: 3521.247+/-0.941 χ^2/NDF : 294919.2/19

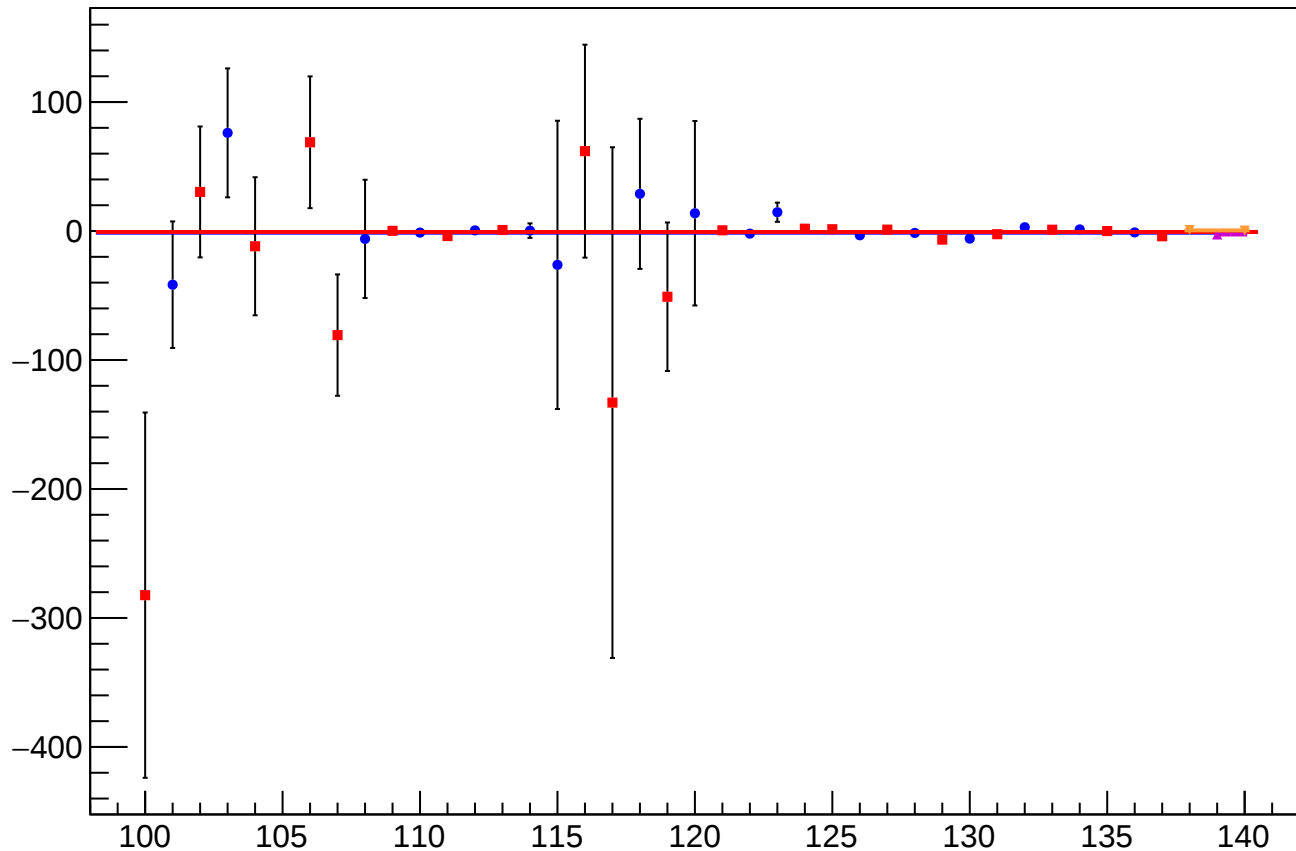
Left In: 4075.945+/-3.514 χ^2/NDF : 0.0/0

3543.611+/-0.885 χ^2/NDF : 389461.9/18

3550.772+/-0.634 χ^2/NDF : 707765.6/39

3558.323+/-0.909 χ^2/NDF : 318169.1/20

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.261+/-0.748 χ^2/NDF : 16.3/16

Left Out: 0.490+/-0.870 χ^2/NDF : 0.1/1

Right Out: -0.735+/-0.710 χ^2/NDF : 22.5/19

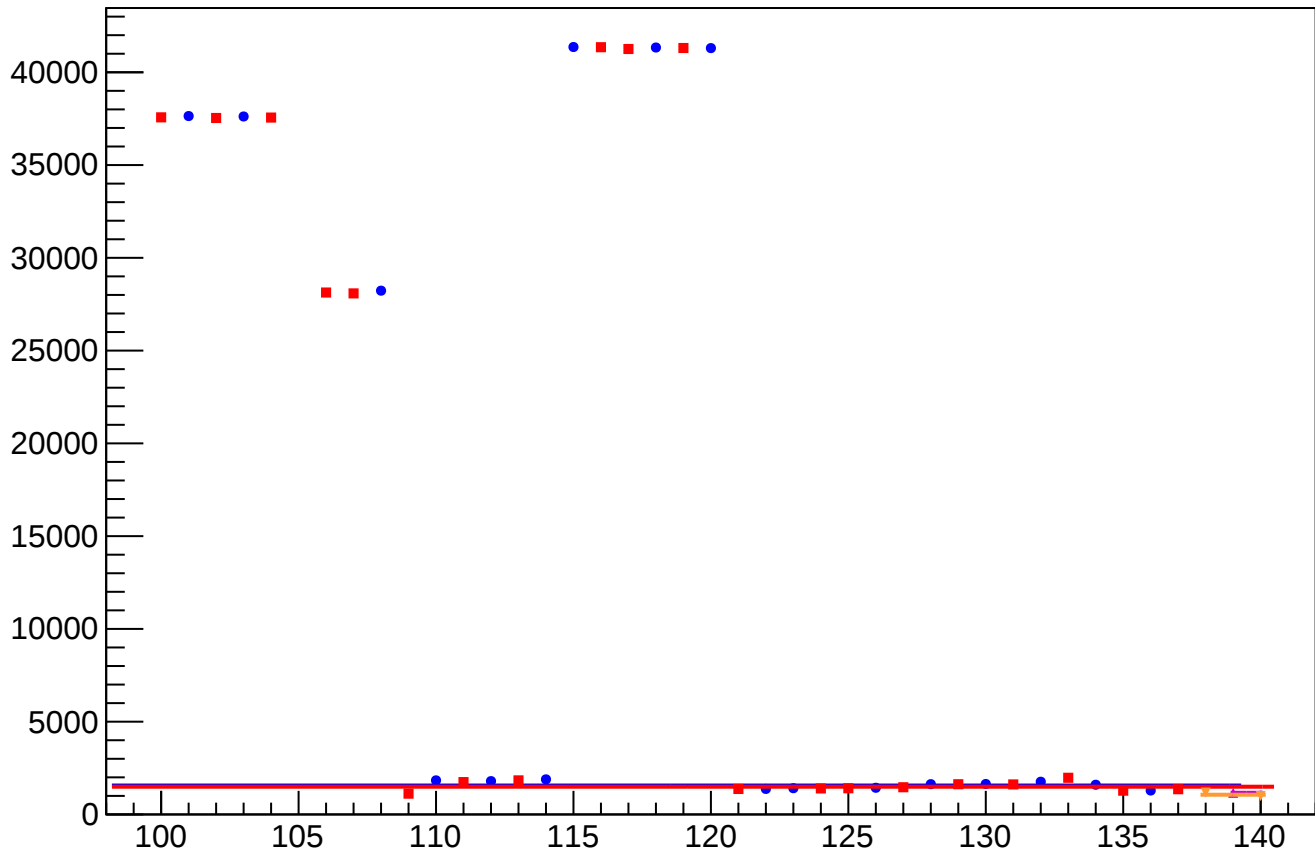
Left In: -2.660+/-1.422 χ^2/NDF : 0.0/0

-0.516+/-0.567 χ^2/NDF : 18.7/18

-0.784+/-0.423 χ^2/NDF : 43.2/39

-1.119+/-0.635 χ^2/NDF : 24.0/20

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1558.988+/-0.529 χ^2/NDF : 4753669.7/16

Left Out: 1063.463+/-0.615 χ^2/NDF : 23550.0/1

Right Out: 1495.131+/-0.502 χ^2/NDF : 4973587.9/19

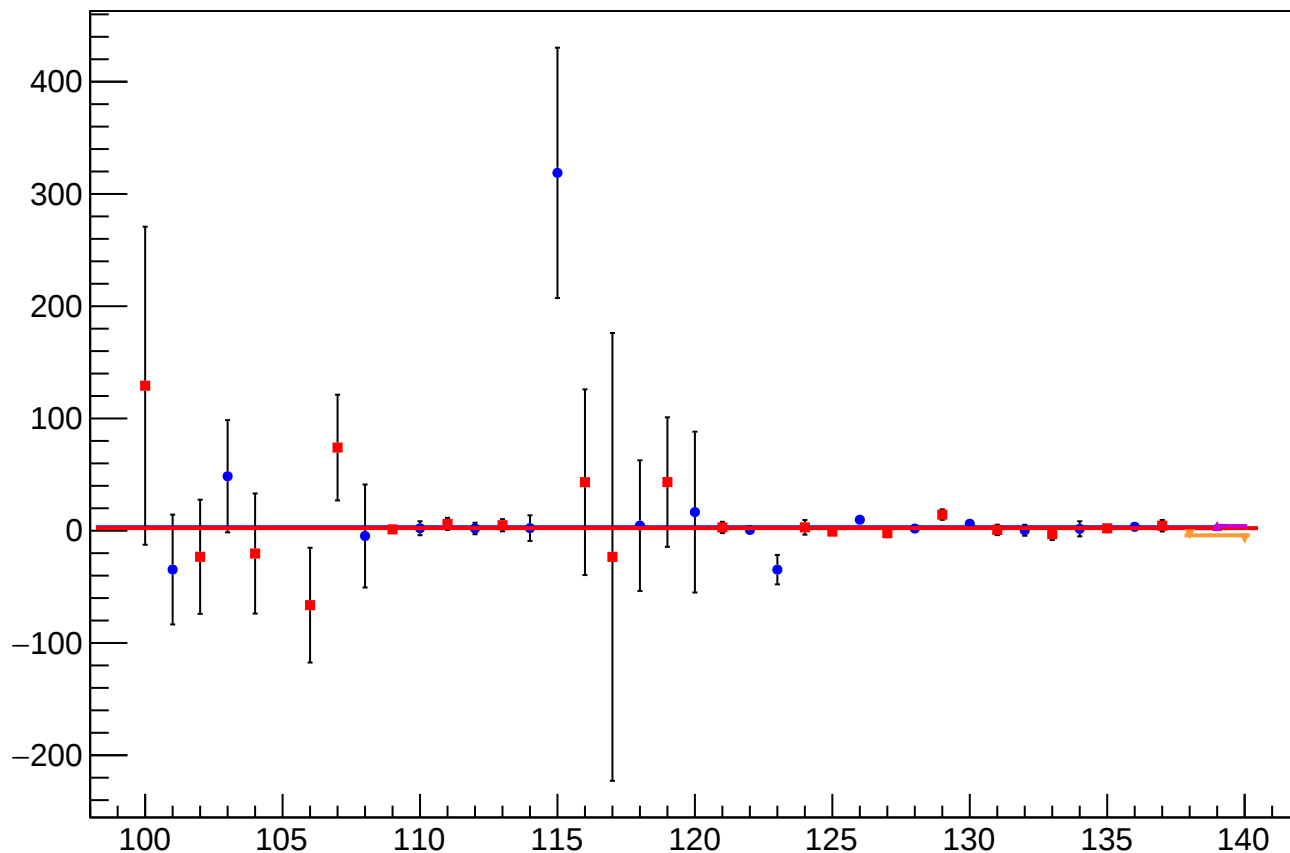
Left In: 1167.941+/-1.006 χ^2/NDF : 0.0/0

1348.342+/-0.401 χ^2/NDF : 5150477.7/18

1384.456+/-0.299 χ^2/NDF : 10227094.1/3

1429.807+/-0.449 χ^2/NDF : 5058316.9/20

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.075+/-1.323 χ^2/NDF : 21.9/16

Left Out: -4.129+/-1.981 χ^2/NDF : 0.7/1

Right Out: 2.305+/-1.235 χ^2/NDF : 16.9/19

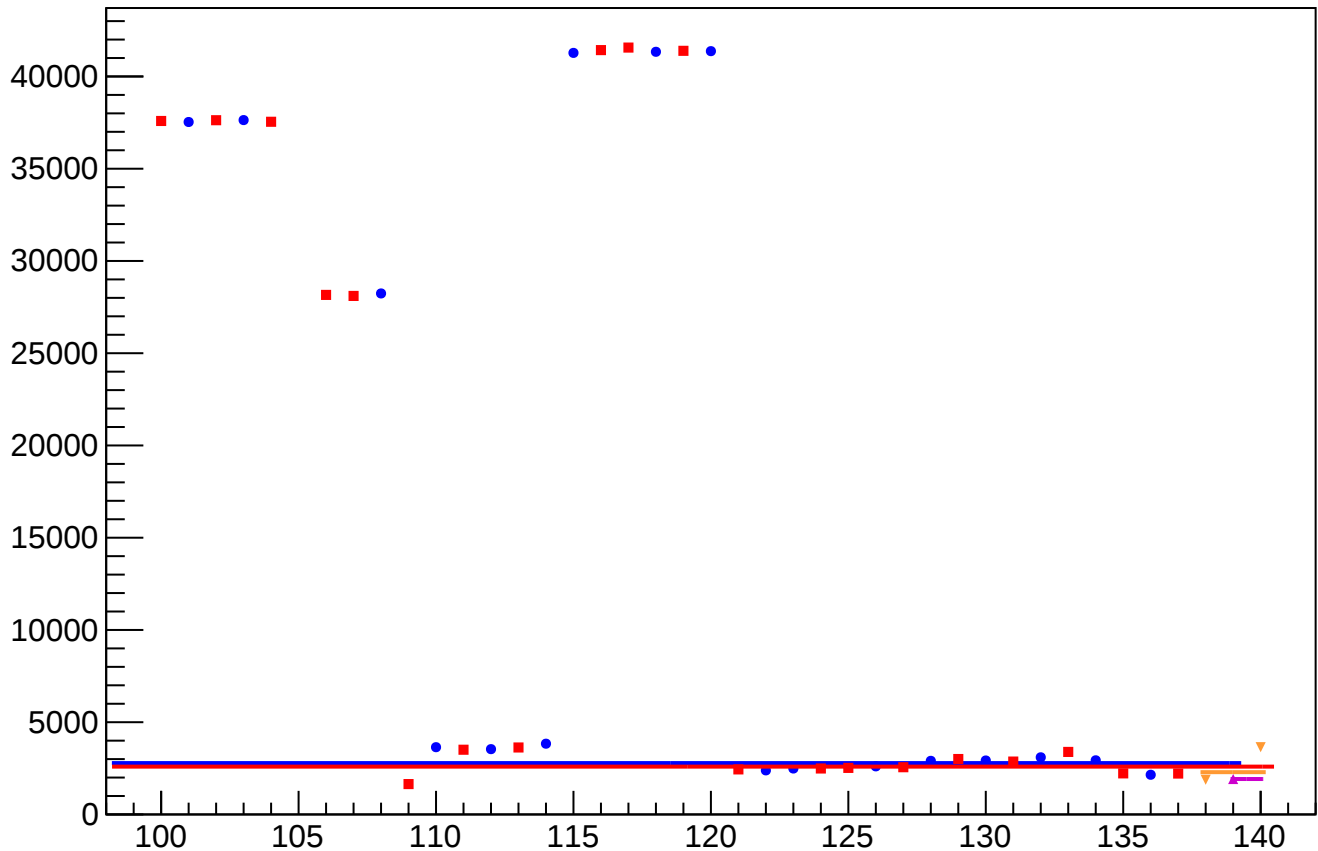
Left In: 4.206+/-2.366 χ^2/NDF : 0.0/0

0.852+/-1.100 χ^2/NDF : 31.7/18

1.787+/-0.776 χ^2/NDF : 50.6/39

2.712+/-1.094 χ^2/NDF : 17.4/20

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2783.989 $\pm$ 0.936 χ^2 /NDF: 4577424.2/16

Left Out: 2292.343 $\pm$ 1.401 χ^2 /NDF: 283729.9/1

Right Out: 2592.654 $\pm$ 0.873 χ^2 /NDF: 4923077.9/19

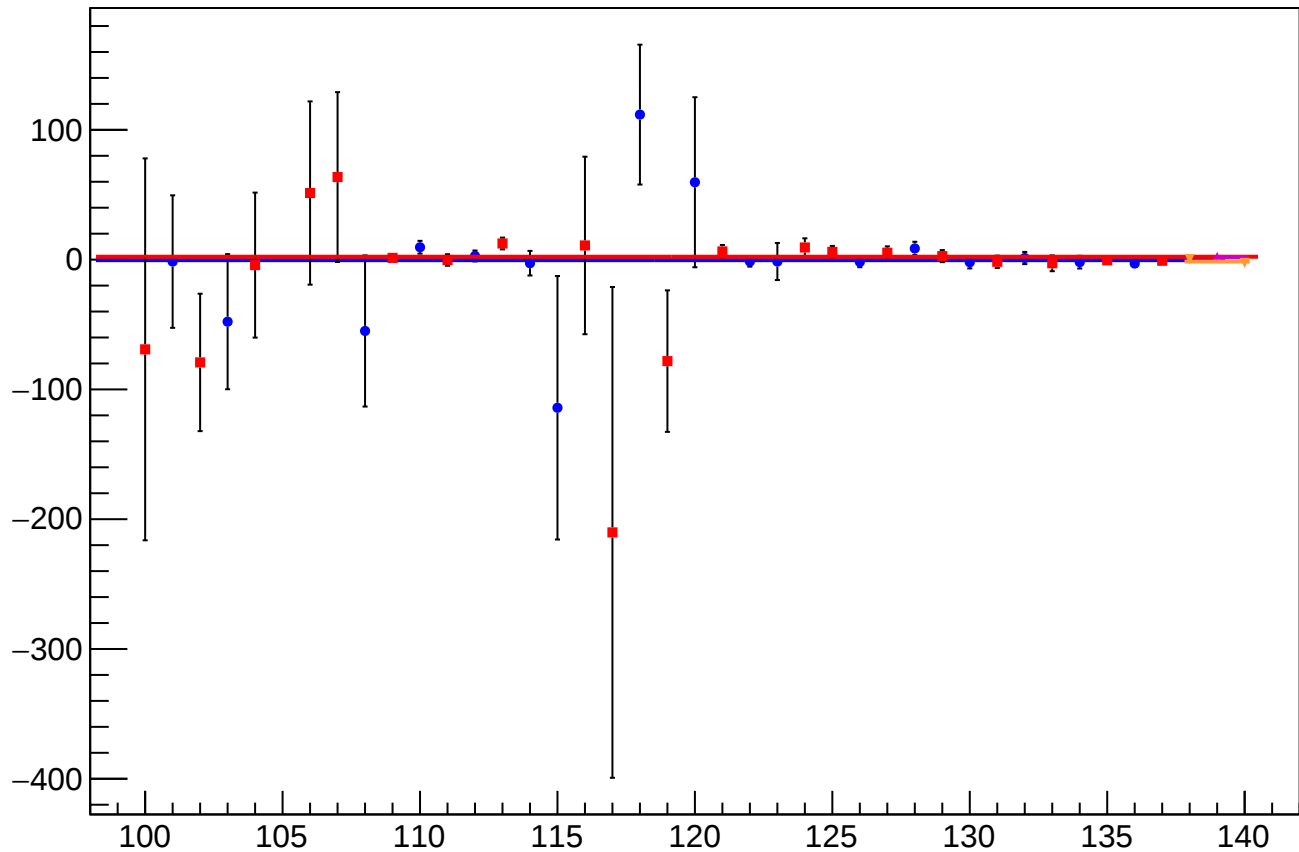
Left In: 1920.907 $\pm$ 1.673 χ^2 /NDF: 0.0/0

2632.277 $\pm$ 0.778 χ^2 /NDF: 4946353.5/18

2540.085 $\pm$ 0.549 χ^2 /NDF: 10024121.2/3

2448.869 $\pm$ 0.774 χ^2 /NDF: 5049833.3/20

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -0.403+/-1.218 χ^2/NDF : 18.3/16

Left Out: -1.455+/-1.273 χ^2/NDF : 1.2/1

Right Out: 2.235+/-1.246 χ^2/NDF : 18.7/19

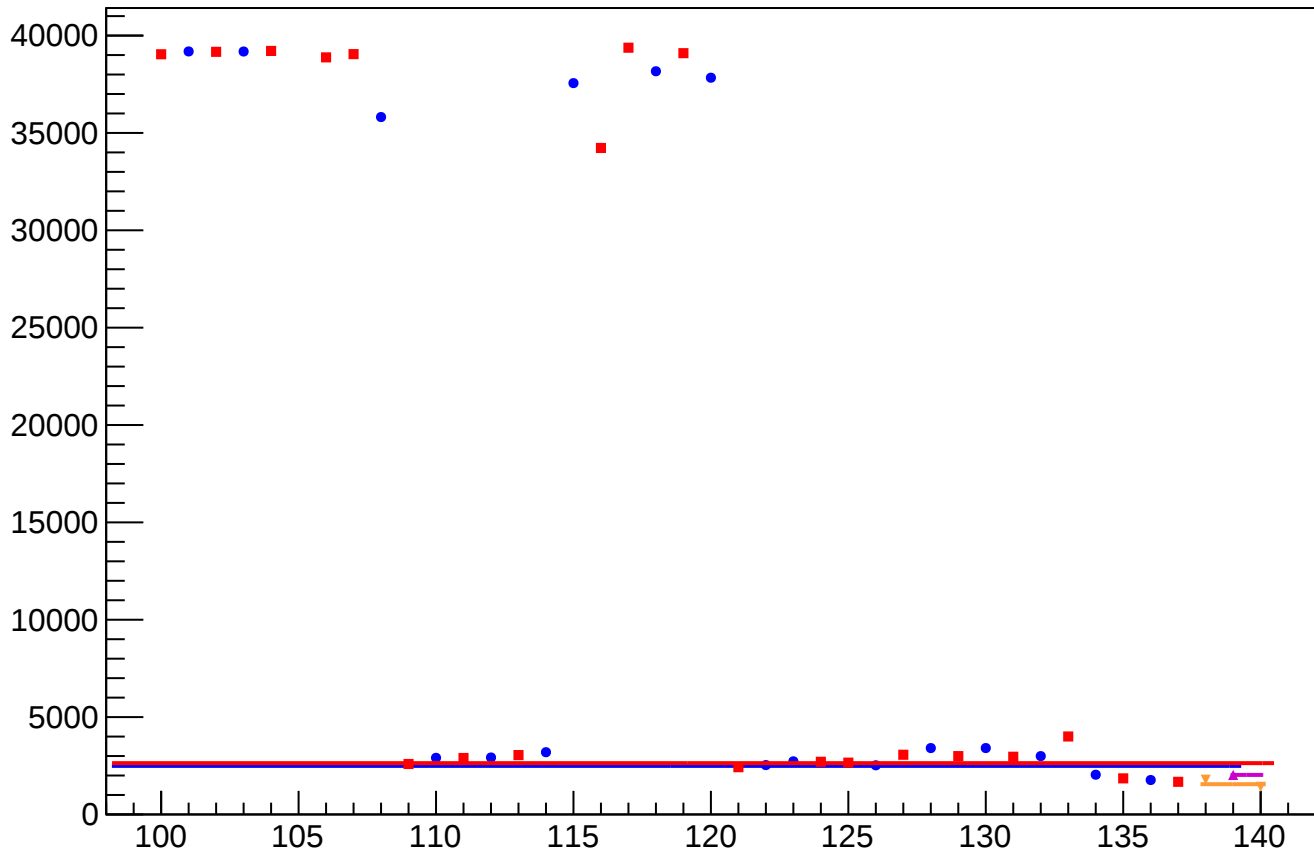
Left In: 2.039+/-2.462 χ^2/NDF : 0.0/0

-0.906+/-0.880 χ^2/NDF : 19.9/18

0.289+/-0.690 χ^2/NDF : 43.4/39

2.195+/-1.112 χ^2/NDF : 18.7/20

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2495.603+/-0.861 χ^2/NDF : 4882334.6/16

Left Out: 1553.590+/-0.900 χ^2/NDF : 38126.9/1

Right Out: 2634.840+/-0.881 χ^2/NDF : 4936039.0/19

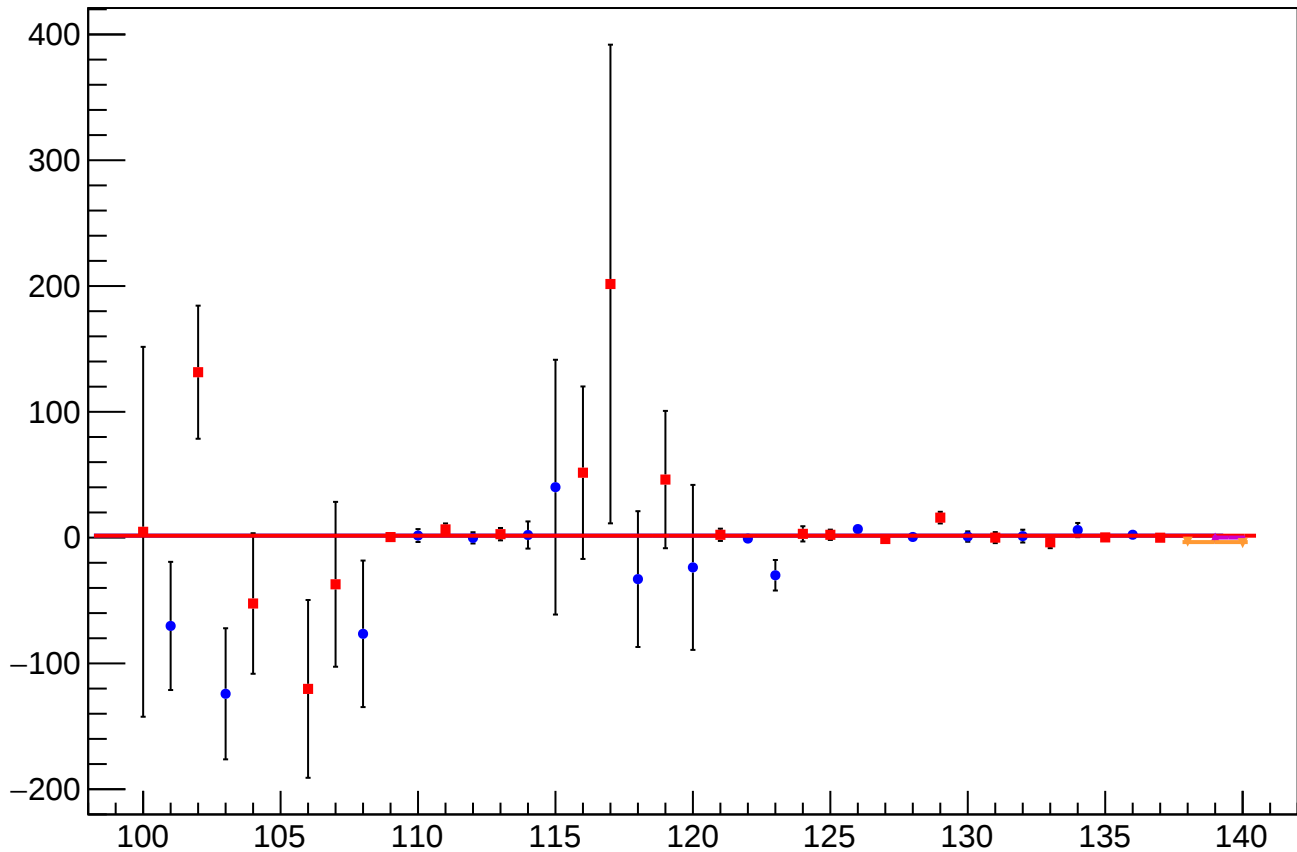
Left In: 2030.648+/-1.741 χ^2/NDF : 0.0/0

2045.428+/-0.622 χ^2/NDF : 5492328.9/18

2225.025+/-0.488 χ^2/NDF : 10740540.7/3

2511.623+/-0.786 χ^2/NDF : 5031959.6/20

diff_bpm1p03aY_mean vs Slug, Sign Corrected



Right In: 1.576+/-1.143 χ^2/NDF : 20.3/16

Left Out: -3.549+/-1.445 χ^2/NDF : 0.1/1

Right Out: 1.530+/-1.062 χ^2/NDF : 26.1/19

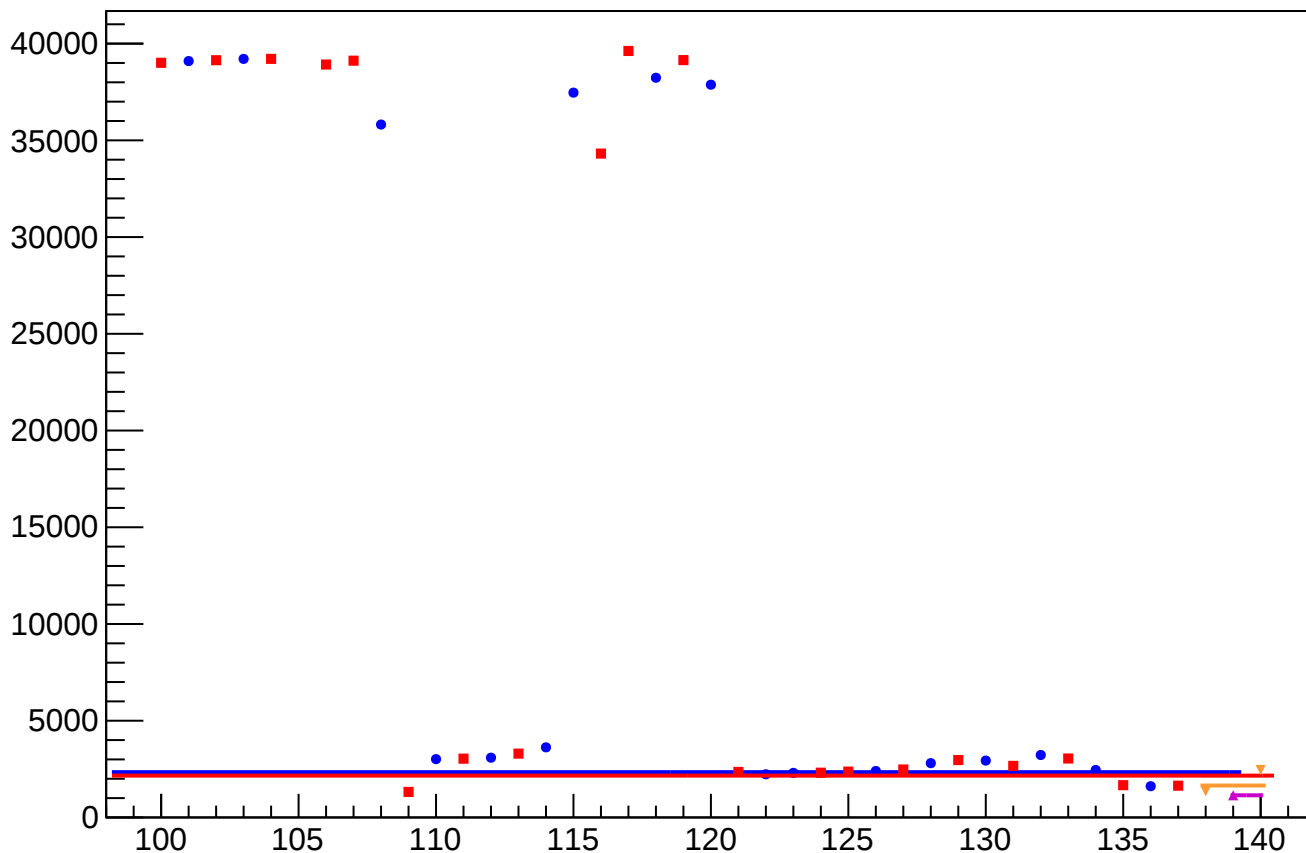
Left In: 0.056+/-1.388 χ^2/NDF : 0.0/0

-0.397+/-0.896 χ^2/NDF : 28.2/18

0.336+/-0.614 χ^2/NDF : 56.3/39

0.986+/-0.844 χ^2/NDF : 26.8/20

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2341.130+/-0.808 χ^2/NDF : 5006864.7/16

Left Out: 1650.820+/-1.022 χ^2/NDF : 230774.7/1

Right Out: 2162.329+/-0.751 χ^2/NDF : 5376569.5/19

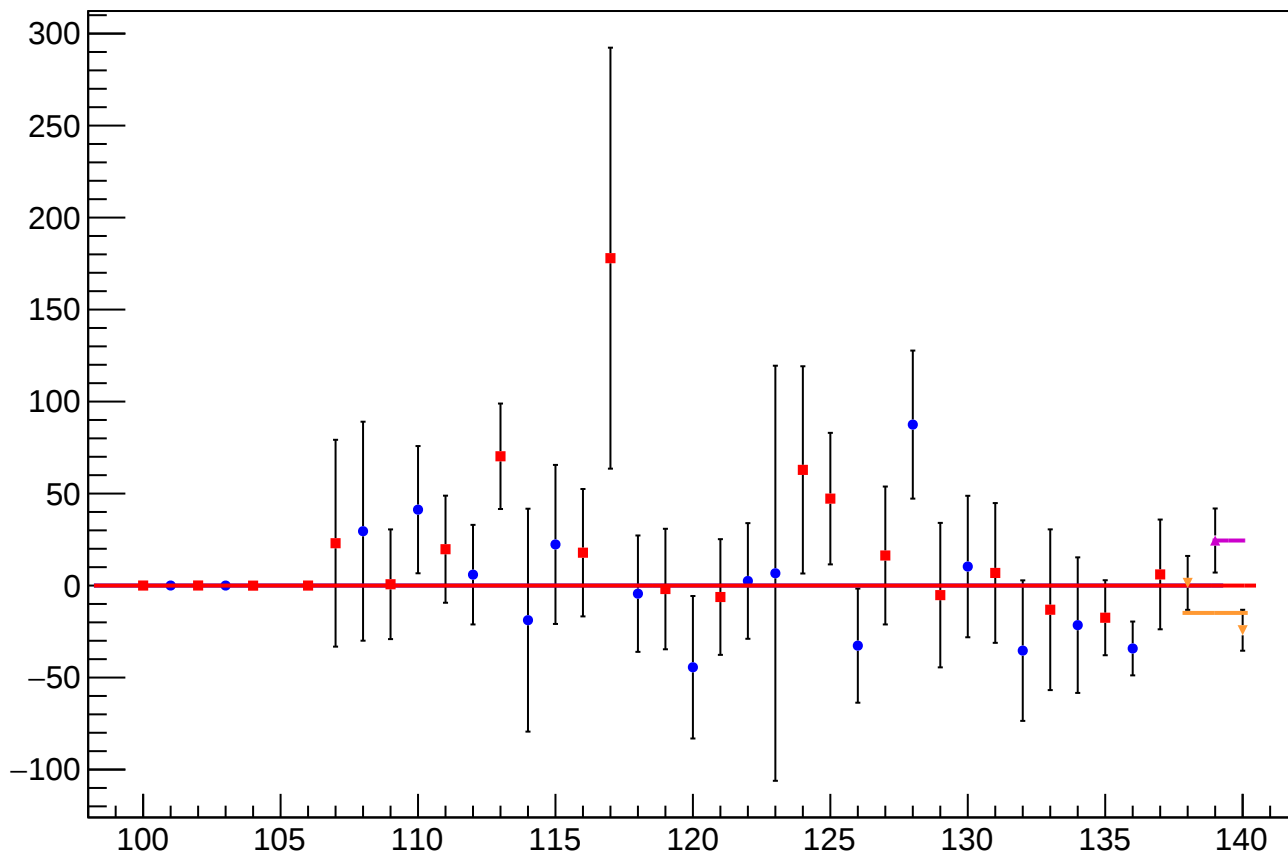
Left In: 1145.495+/-0.982 χ^2/NDF : 0.0/0

2075.385+/-0.634 χ^2/NDF : 5518492.1/18

1922.428+/-0.434 χ^2/NDF : 11681588.0/3

1786.948+/-0.597 χ^2/NDF : 6053273.8/20

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 16.2/16

Left Out: -14.869 ± 8.859 χ^2/NDF : 2.0/1

Right Out: -0.003 ± 0.016 χ^2/NDF : 18.3/19

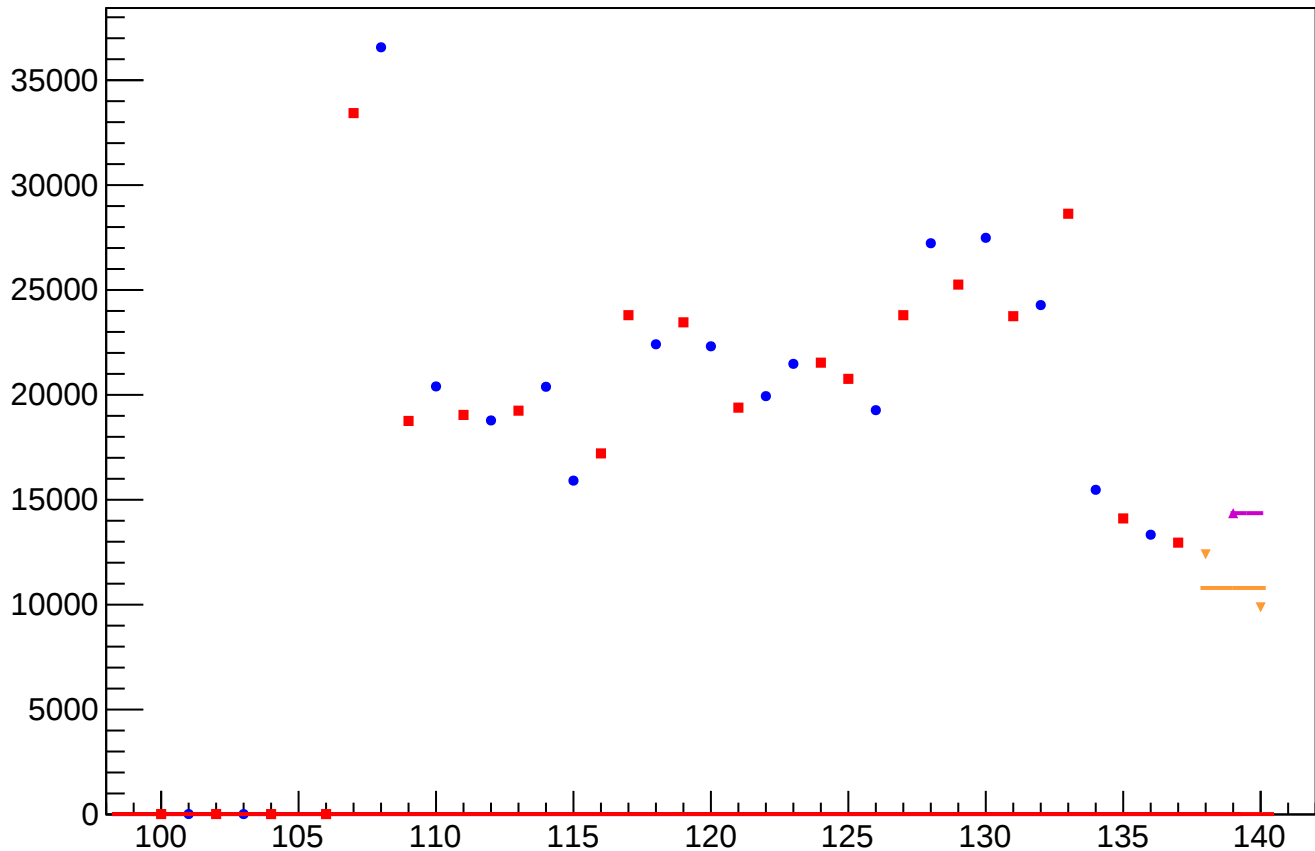
Left In: 24.483 ± 17.411 χ^2/NDF : 0.0/0

0.013 ± 0.017 χ^2/NDF : 20.9/18

0.004 ± 0.012 χ^2/NDF : 41.7/39

-0.003 ± 0.016 χ^2/NDF : 20.3/20

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.642+/-0.012 χ^2/NDF : 10984160.5/16

Left Out: 10796.052+/-6.264 χ^2/NDF : 37753.6/1

Right Out: 18.312+/-0.011 χ^2/NDF : 11197081.8/19

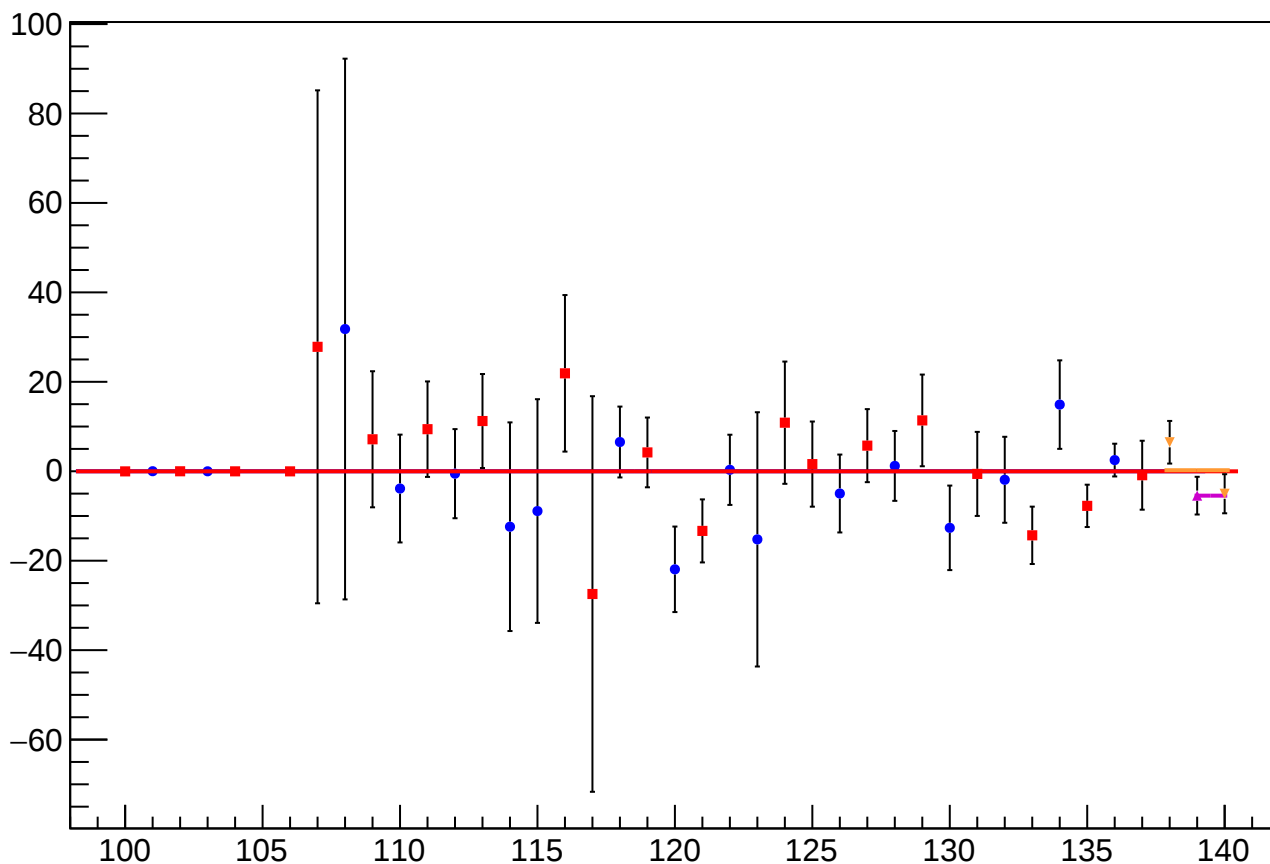
Left In: 14361.708+/-12.312 χ^2/NDF : 0.0/0

18.683+/-0.012 χ^2/NDF : 13982115.7/18

18.490+/-0.008 χ^2/NDF : 26536952.5/39

18.324+/-0.011 χ^2/NDF : 12554375.9/20

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF : 13.0/16

Left Out: 0.231+/-3.221 χ^2/NDF : 3.2/1

Right Out: -0.014+/-0.009 χ^2/NDF : 19.0/19

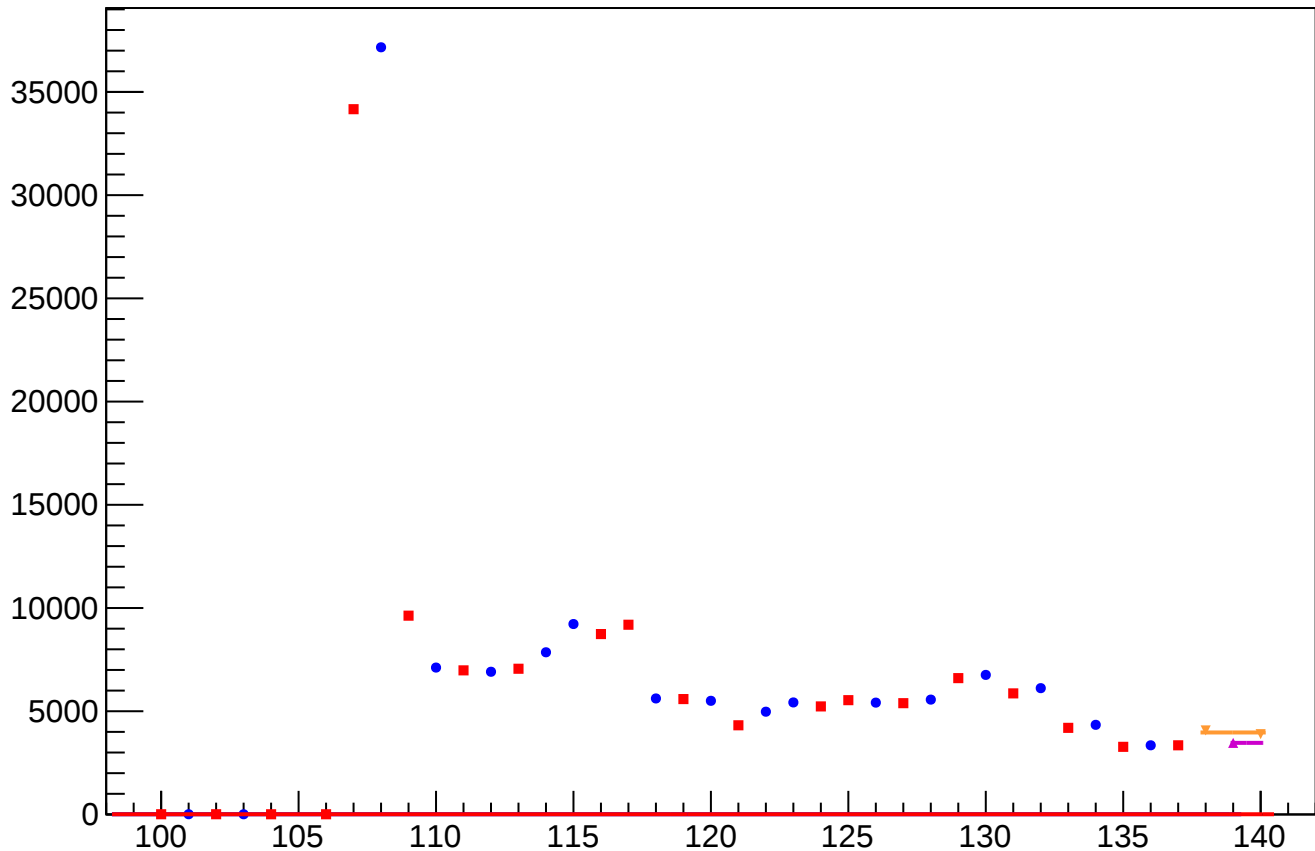
Left In: -5.455+/-4.217 χ^2/NDF : 0.0/0

0.001+/-0.009 χ^2/NDF : 16.2/18

-0.007+/-0.006 χ^2/NDF : 38.2/39

-0.014+/-0.009 χ^2/NDF : 20.6/20

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.939 ± 0.007 χ^2/NDF : 11114526.8/16

Left Out: 3971.452 ± 2.278 χ^2/NDF : 1577.2/1

Right Out: 9.855 ± 0.006 χ^2/NDF : 11246160.9/19

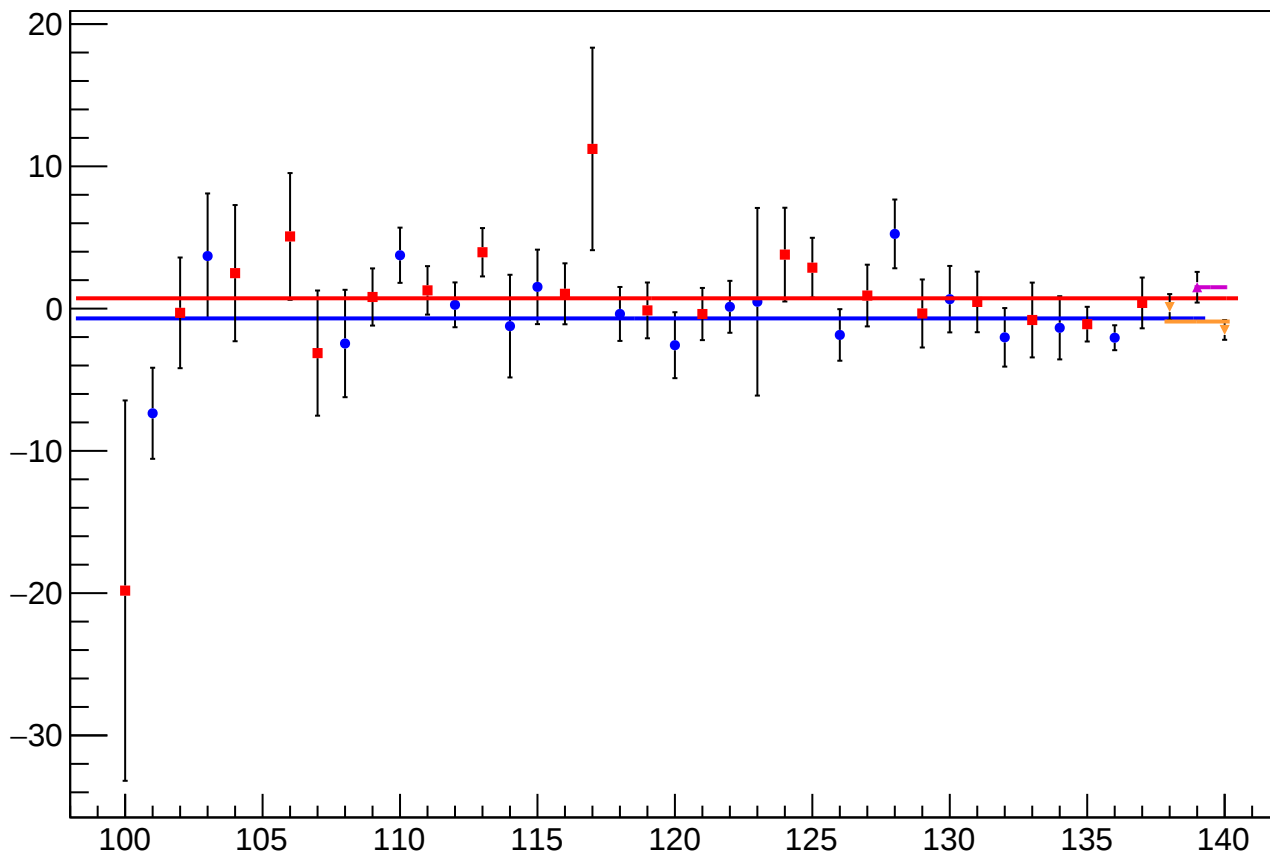
Left In: 3467.912 ± 2.982 χ^2/NDF : 0.0/0

9.971 ± 0.007 χ^2/NDF : 14140667.7/18

9.917 ± 0.004 χ^2/NDF : 26731922.7/39

9.869 ± 0.006 χ^2/NDF : 12591124.4/20

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.689+/-0.482 χ^2/NDF : 22.5/16

Left Out: -0.908+/-0.553 χ^2/NDF : 2.0/1

Right Out: 0.724+/-0.499 χ^2/NDF : 15.5/19

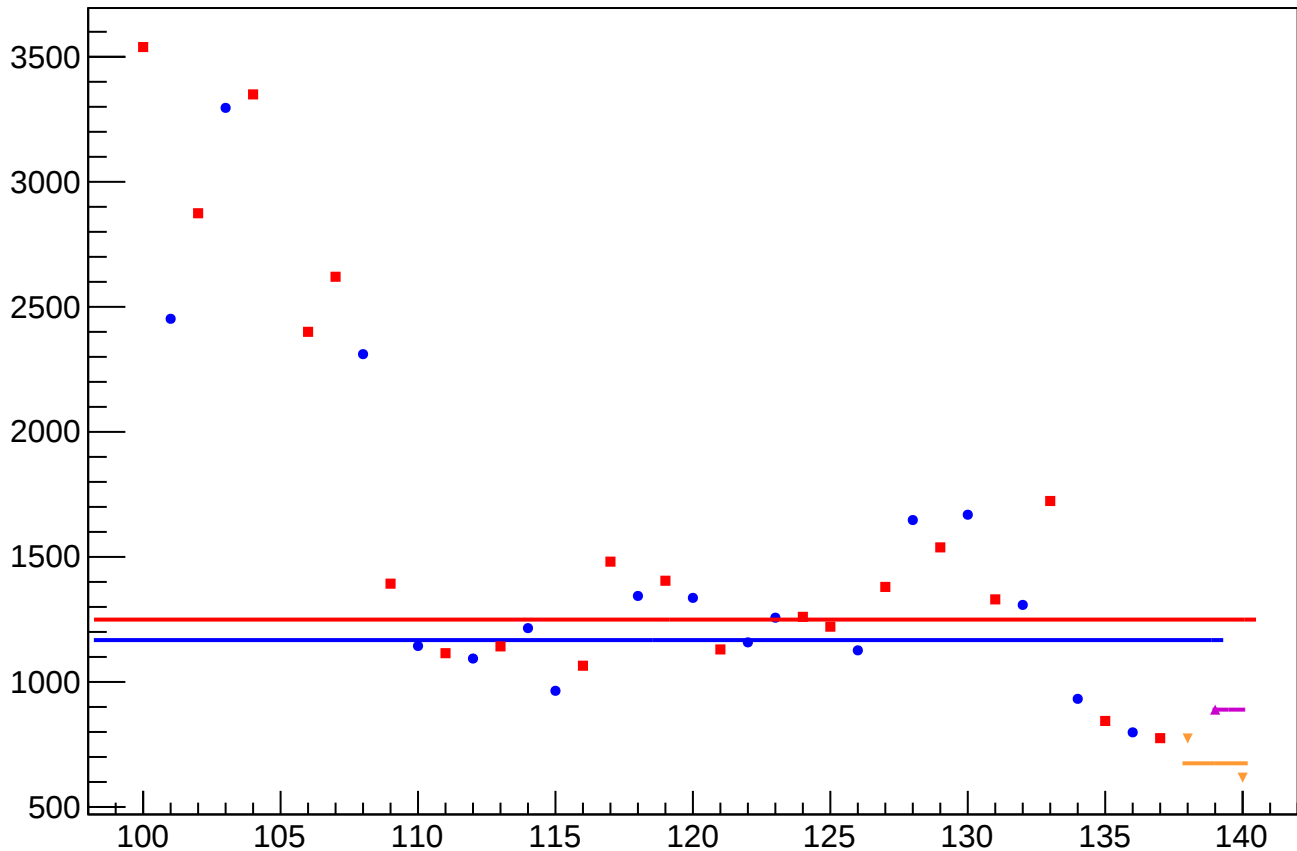
Left In: 1.503+/-1.078 χ^2/NDF : 0.0/0

-0.784+/-0.364 χ^2/NDF : 24.6/18

-0.139+/-0.284 χ^2/NDF : 48.5/39

0.862+/-0.453 χ^2/NDF : 15.9/20

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1167.397 $\pm$ 0.341 χ^2 /NDF: 1578328.1/16

Left Out: 674.677 $\pm$ 0.391 χ^2 /NDF: 37255.7/1

Right Out: 1249.388 $\pm$ 0.353 χ^2 /NDF: 1656159.5/19

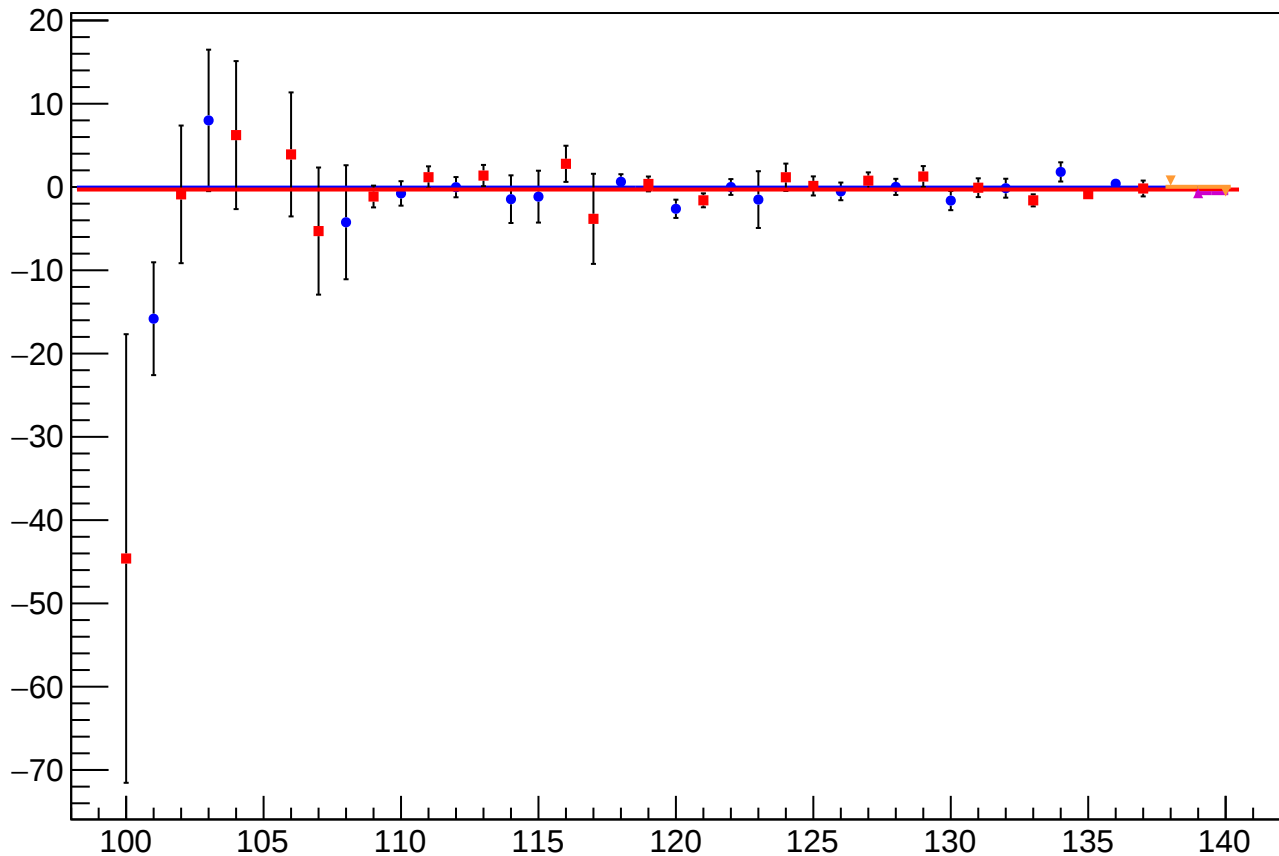
Left In: 889.319 $\pm$ 0.762 χ^2 /NDF: 0.0/0

954.605 $\pm$ 0.257 χ^2 /NDF: 2517153.8/18

1045.109 $\pm$ 0.201 χ^2 /NDF: 4673629.0/39

1185.771 $\pm$ 0.320 χ^2 /NDF: 1839819.2/20

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.072 ± 0.269 χ^2/NDF : 19.2/16

Left Out: 0.026 ± 0.383 χ^2/NDF : 2.9/1

Right Out: -0.303 ± 0.264 χ^2/NDF : 20.7/19

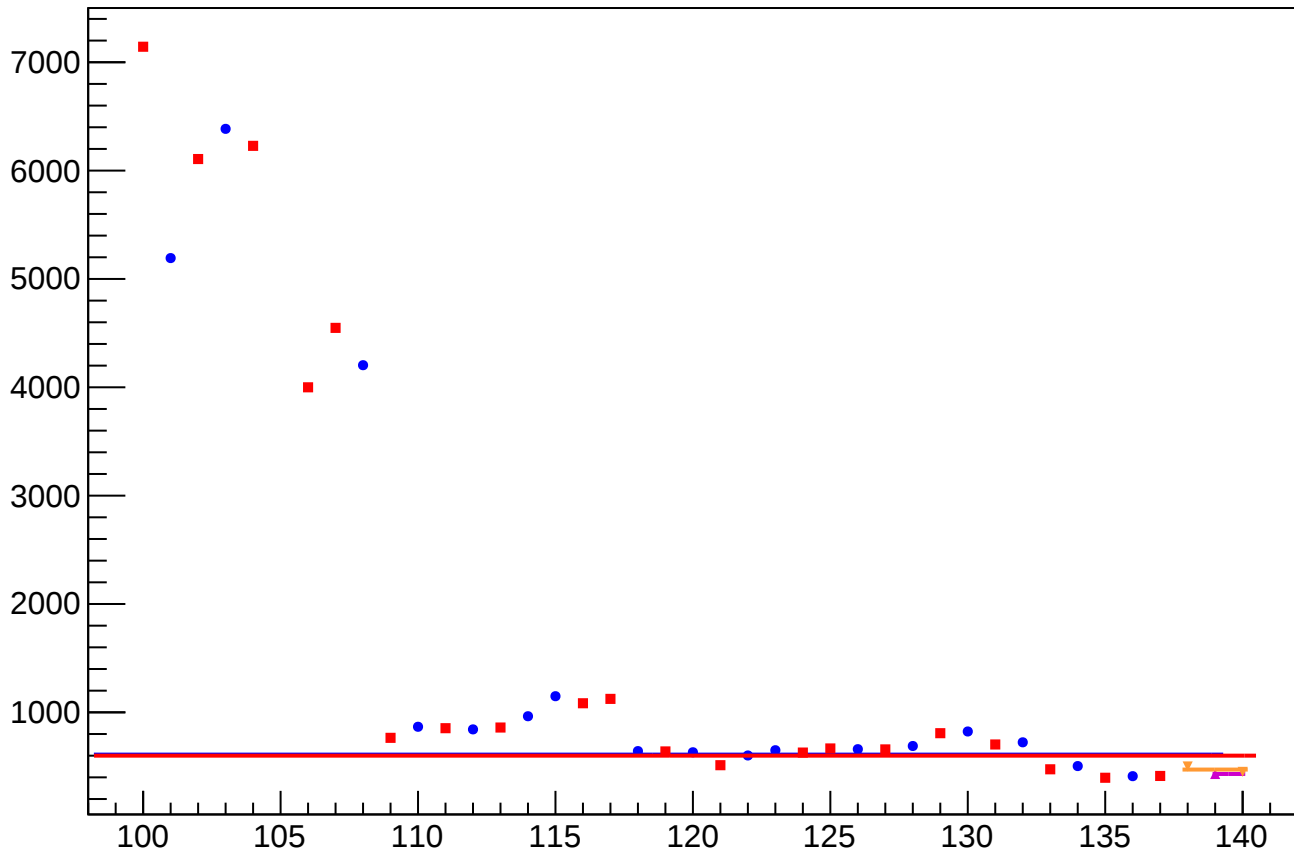
Left In: -0.739 ± 0.525 χ^2/NDF : 0.0/0

-0.039 ± 0.220 χ^2/NDF : 22.2/18

-0.203 ± 0.161 χ^2/NDF : 44.6/39

-0.391 ± 0.236 χ^2/NDF : 21.2/20

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.780+/-0.190 χ^2/NDF : 3135978.5/16

Left Out: 471.861+/-0.271 χ^2/NDF : 8327.6/1

Right Out: 600.264+/-0.186 χ^2/NDF : 3571191.0/19

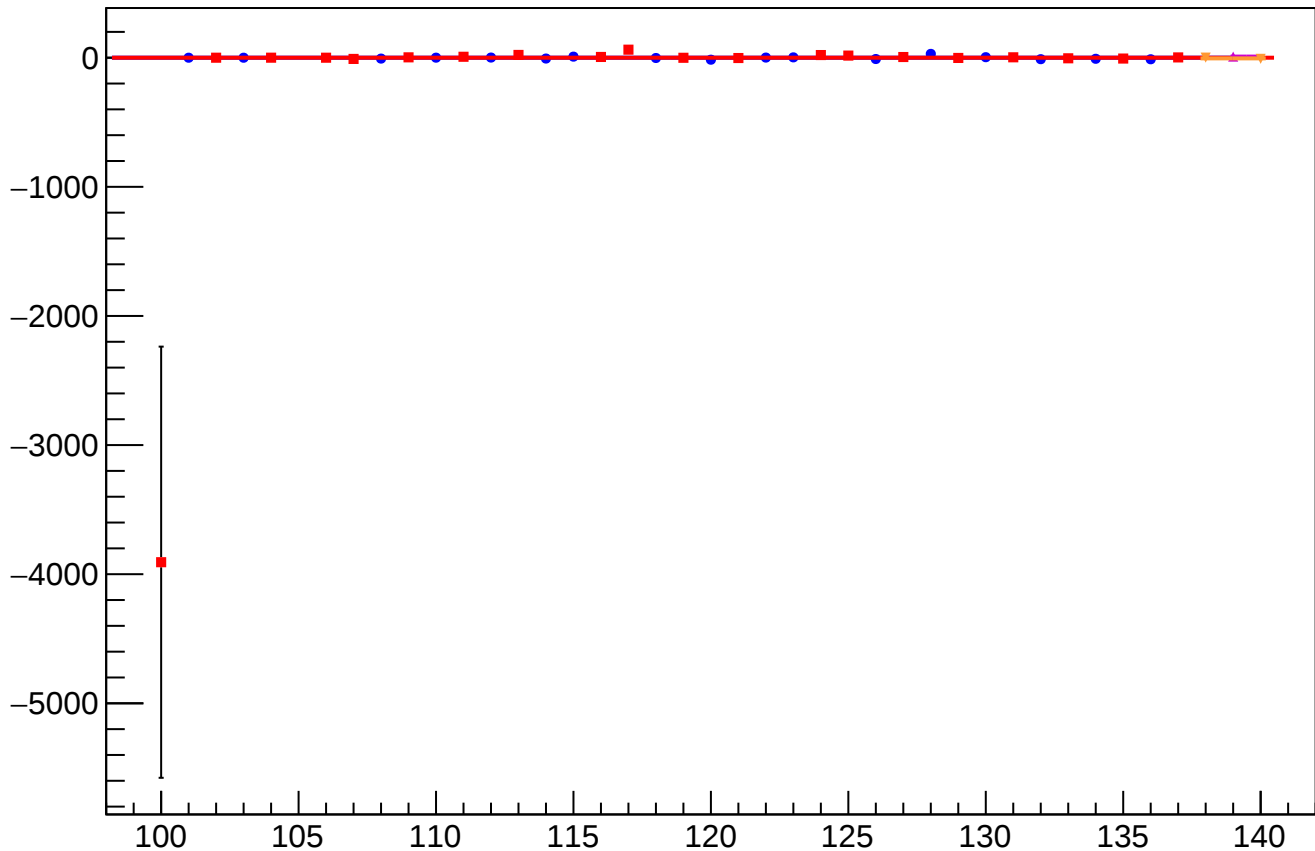
Left In: 431.084+/-0.371 χ^2/NDF : 0.0/0

564.294+/-0.155 χ^2/NDF : 3318239.8/18

565.160+/-0.114 χ^2/NDF : 7055602.1/39

566.155+/-0.167 χ^2/NDF : 3737295.7/20

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -5.254 ± 3.195 χ^2/NDF : 2.0/1

Right Out: 0.027 ± 0.020 χ^2/NDF : 20.5/19

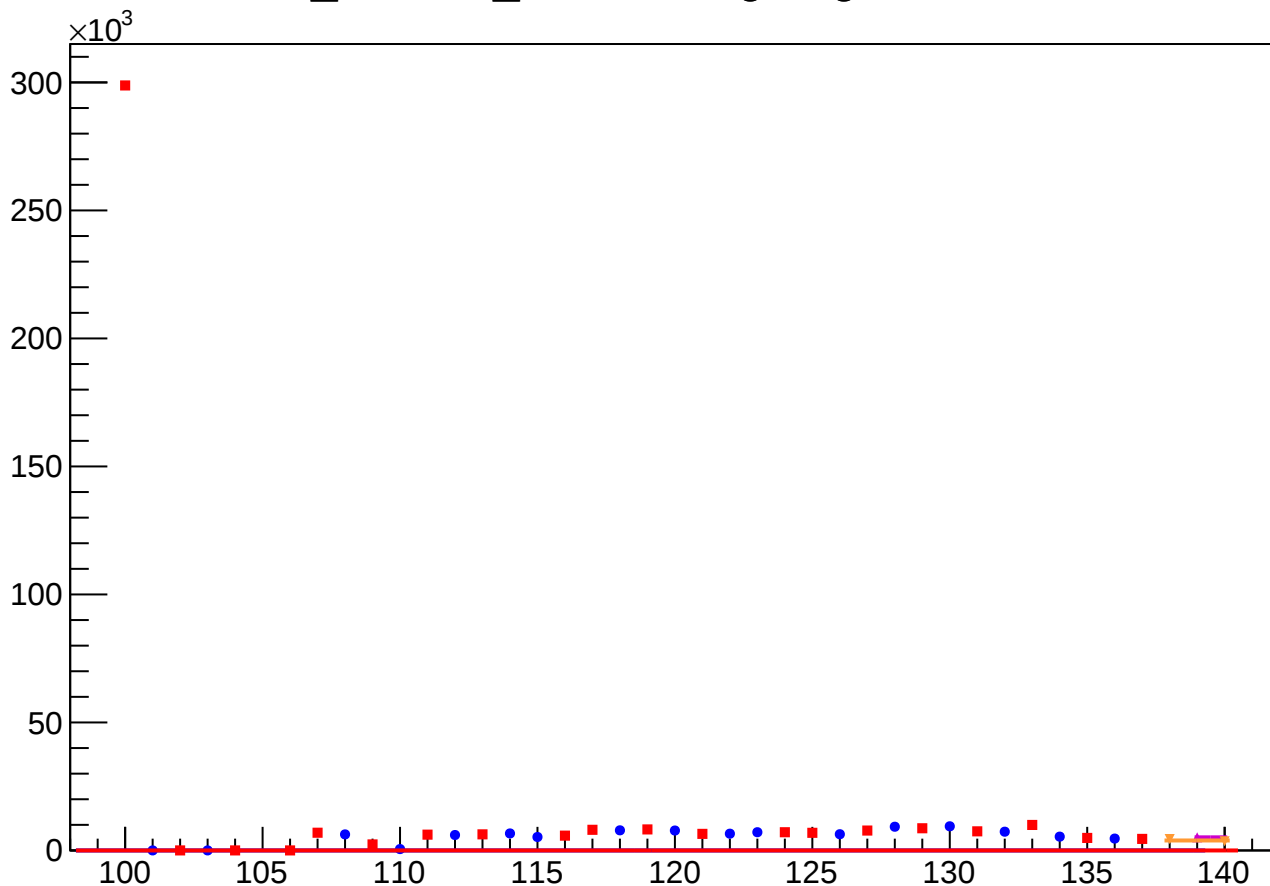
Left In: 8.662 ± 6.207 χ^2/NDF : 0.0/0

-0.022 ± 0.021 χ^2/NDF : 20.3/18

0.004 ± 0.014 χ^2/NDF : 45.6/39

0.027 ± 0.020 χ^2/NDF : 22.4/20

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.341 $\pm$ 0.015 χ^2/NDF : 10501445.0/16

Left Out: 3897.876 $\pm$ 2.259 χ^2/NDF : 34935.0/1

Right Out: 17.271 $\pm$ 0.014 χ^2/NDF : 10906837.9/19

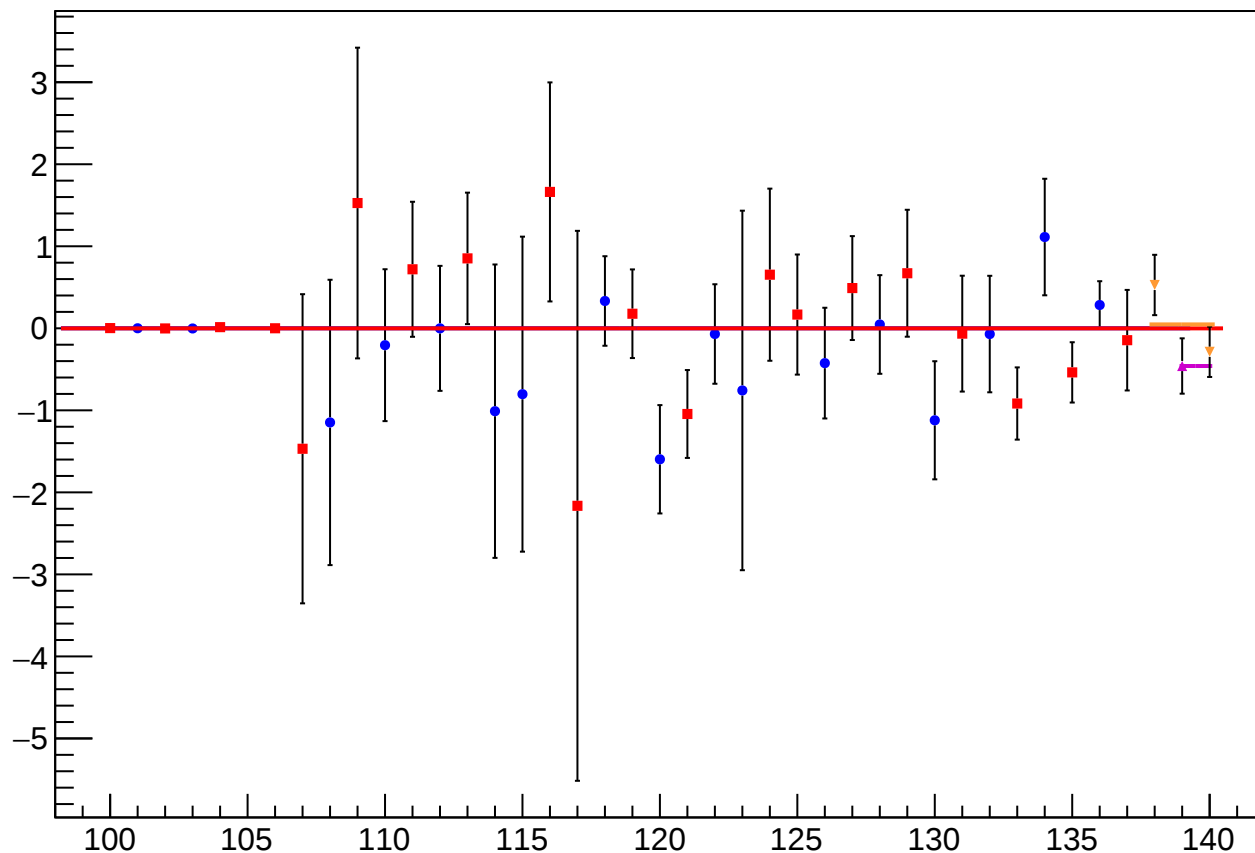
Left In: 5120.235 $\pm$ 4.389 χ^2/NDF : 0.0/0

17.505 $\pm$ 0.015 χ^2/NDF : 13486913.8/18

17.409 $\pm$ 0.010 χ^2/NDF : 25745566.1/39

17.323 $\pm$ 0.014 χ^2/NDF : 12258571.4/20

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 13.8/16

Left Out: 0.047 $\pm$ 0.236 χ^2 /NDF: 2.9/1

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 18.3/19

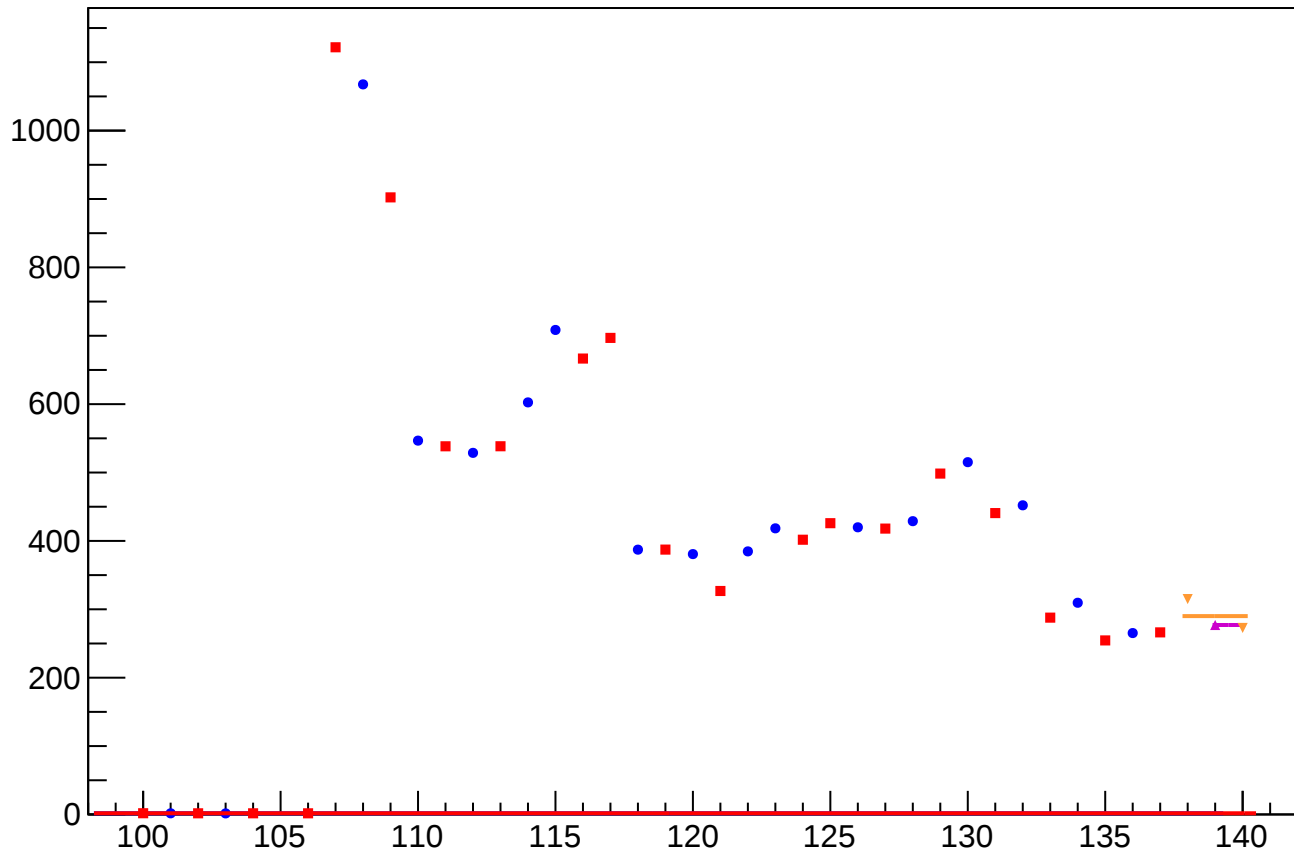
Left In: -0.460 $\pm$ 0.337 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.002 χ^2 /NDF: 16.7/18

-0.000 $\pm$ 0.001 χ^2 /NDF: 37.0/39

-0.001 $\pm$ 0.002 χ^2 /NDF: 20.2/20

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.699+/-0.001 χ^2/NDF : 11053026.2/16

Left Out: 290.052+/-0.167 χ^2/NDF :15536.9/1

Right Out: 1.729+/-0.001 χ^2/NDF : 10829914.3/19

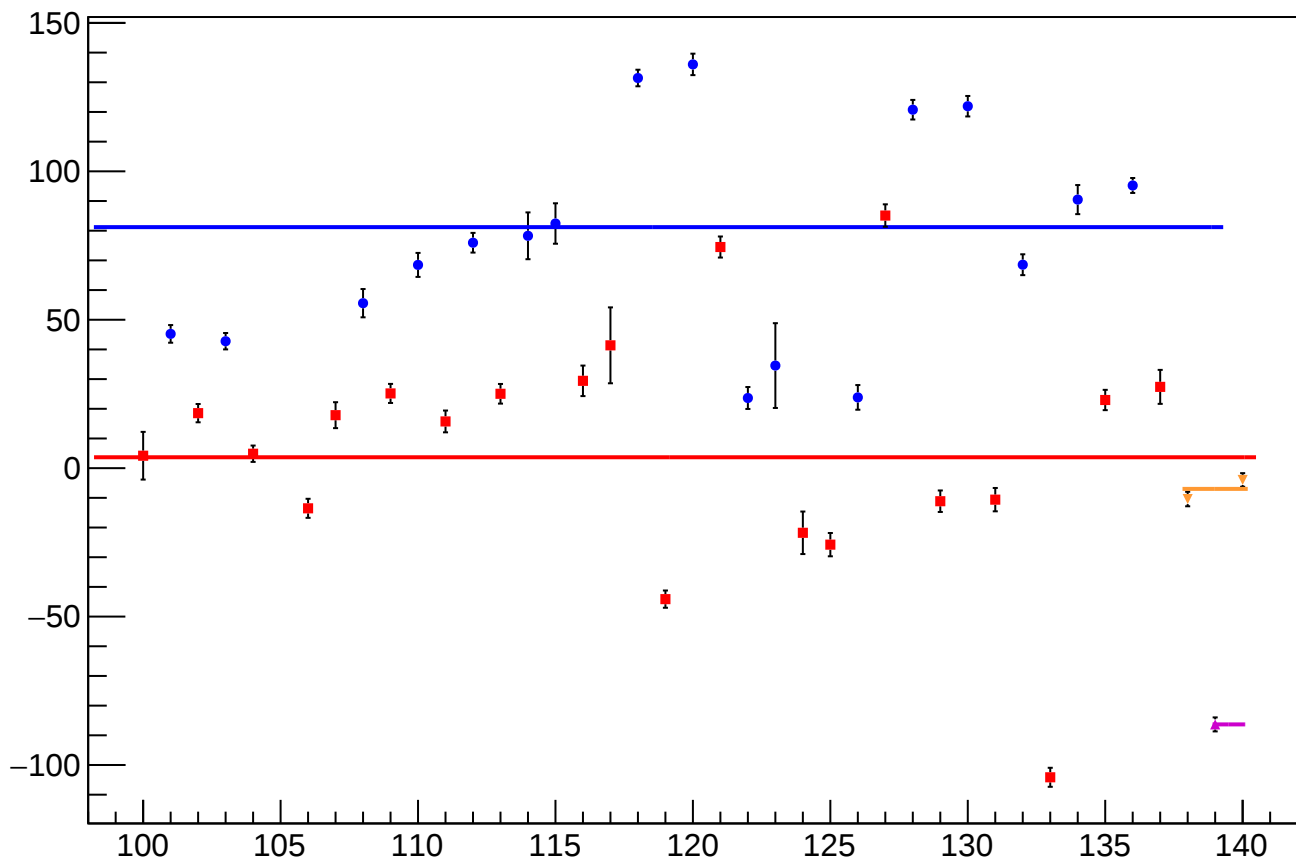
Left In: 277.049+/-0.239 χ^2/NDF :0.0/0

1.721+/-0.001 χ^2/NDF : 14066224.9/18

1.730+/-0.001 χ^2/NDF : 26228701.5/39

1.738+/-0.001 χ^2/NDF : 12162401.1/20

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 81.201 $\pm$ 0.886 χ^2 /NDF: 1709.8/16

Left Out: -6.984 $\pm$ 1.671 χ^2 /NDF: 3.7/1

Right Out: 3.672 $\pm$ 0.841 χ^2 /NDF: 2607.8/19

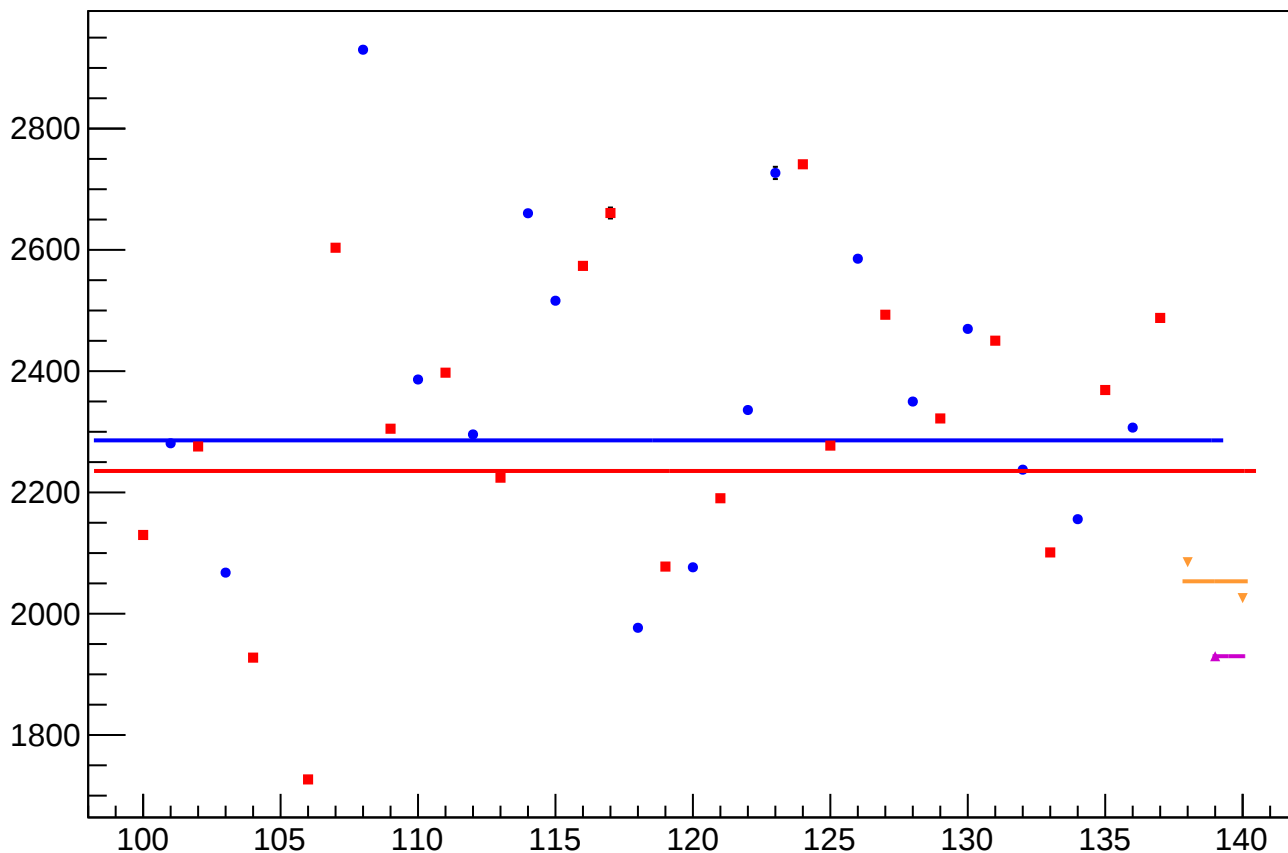
Left In: -86.325 $\pm$ 2.360 χ^2 /NDF: 0.0/0

61.854 $\pm$ 0.783 χ^2 /NDF: 3888.4/18

28.103 $\pm$ 0.557 χ^2 /NDF: 11552.4/39

-6.464 $\pm$ 0.792 χ^2 /NDF: 3898.5/20

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2285.855 $\pm$ 0.626 χ^2 /NDF: 109336.5/16

Left Out: 2053.445 $\pm$ 1.181 χ^2 /NDF: 624.9/1

Right Out: 2235.394 $\pm$ 0.594 χ^2 /NDF: 149072.1/19

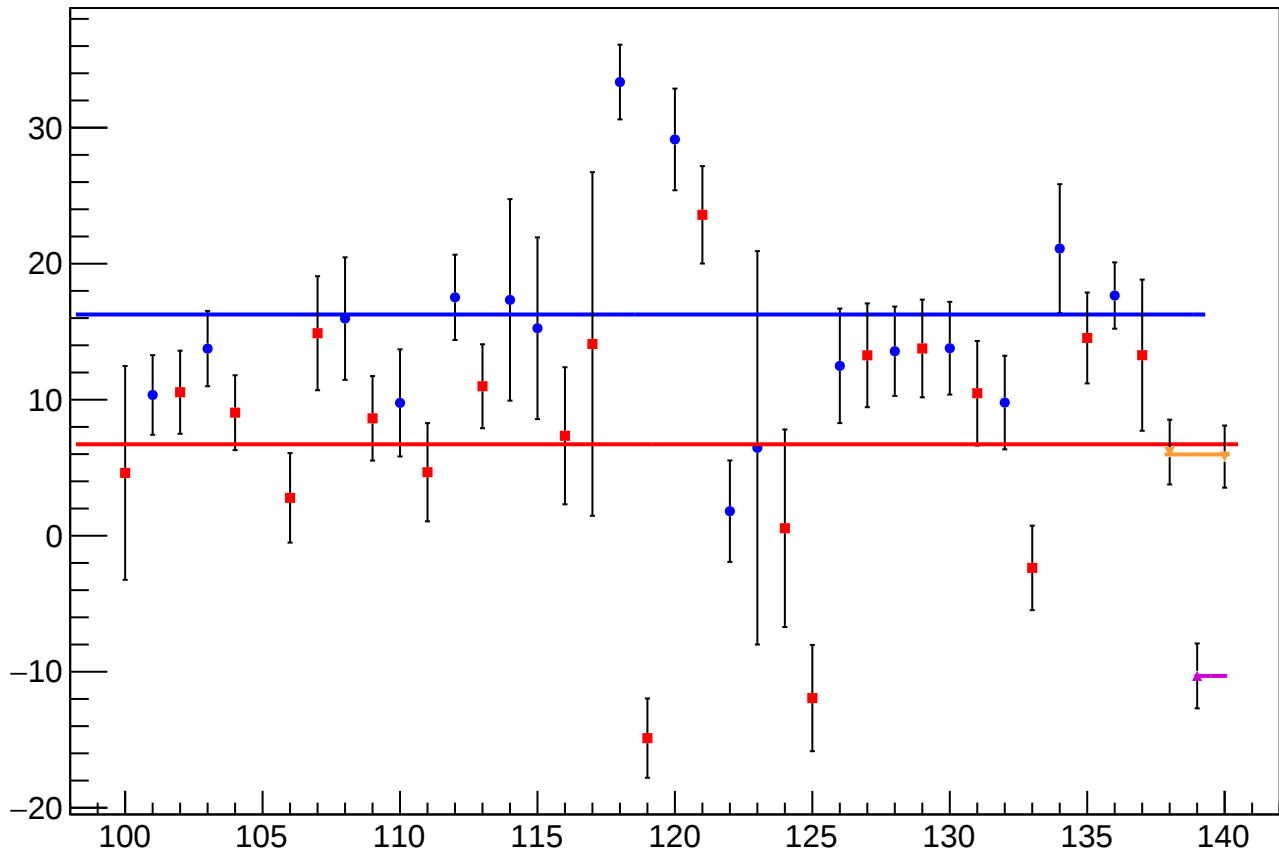
Left In: 1929.930 $\pm$ 1.669 χ^2 /NDF: 0.0/0

2234.865 $\pm$ 0.553 χ^2 /NDF: 140175.1/18

2218.130 $\pm$ 0.394 χ^2 /NDF: 320837.5/39

2200.990 $\pm$ 0.560 χ^2 /NDF: 178810.8/20

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.265 $\pm$ 0.872 χ^2/NDF : 80.8/16

Left Out: 5.977 $\pm$ 1.648 χ^2/NDF : 0.0/1

Right Out: 6.722 $\pm$ 0.829 χ^2/NDF : 134.3/19

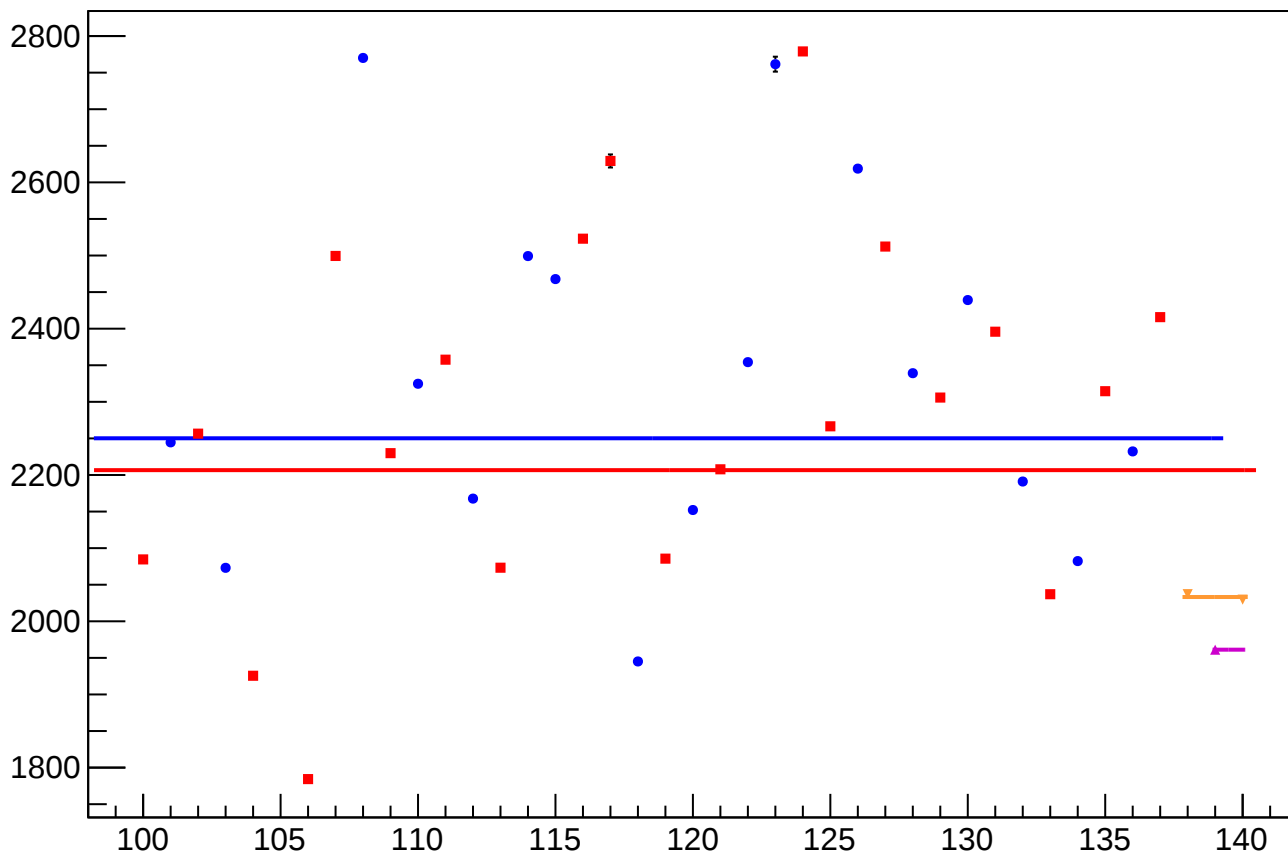
Left In: -10.306 $\pm$ 2.385 χ^2/NDF : 0.0/0

14.017 $\pm$ 0.770 χ^2/NDF : 111.3/18

9.526 $\pm$ 0.549 χ^2/NDF : 360.1/39

4.887 $\pm$ 0.783 χ^2/NDF : 179.8/20

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2250.175+/-0.616 χ^2/NDF : 97578.1/16

Left Out: 2033.191+/-1.165 χ^2/NDF : 10.3/1

Right Out: 2206.617+/-0.586 χ^2/NDF : 128476.5/19

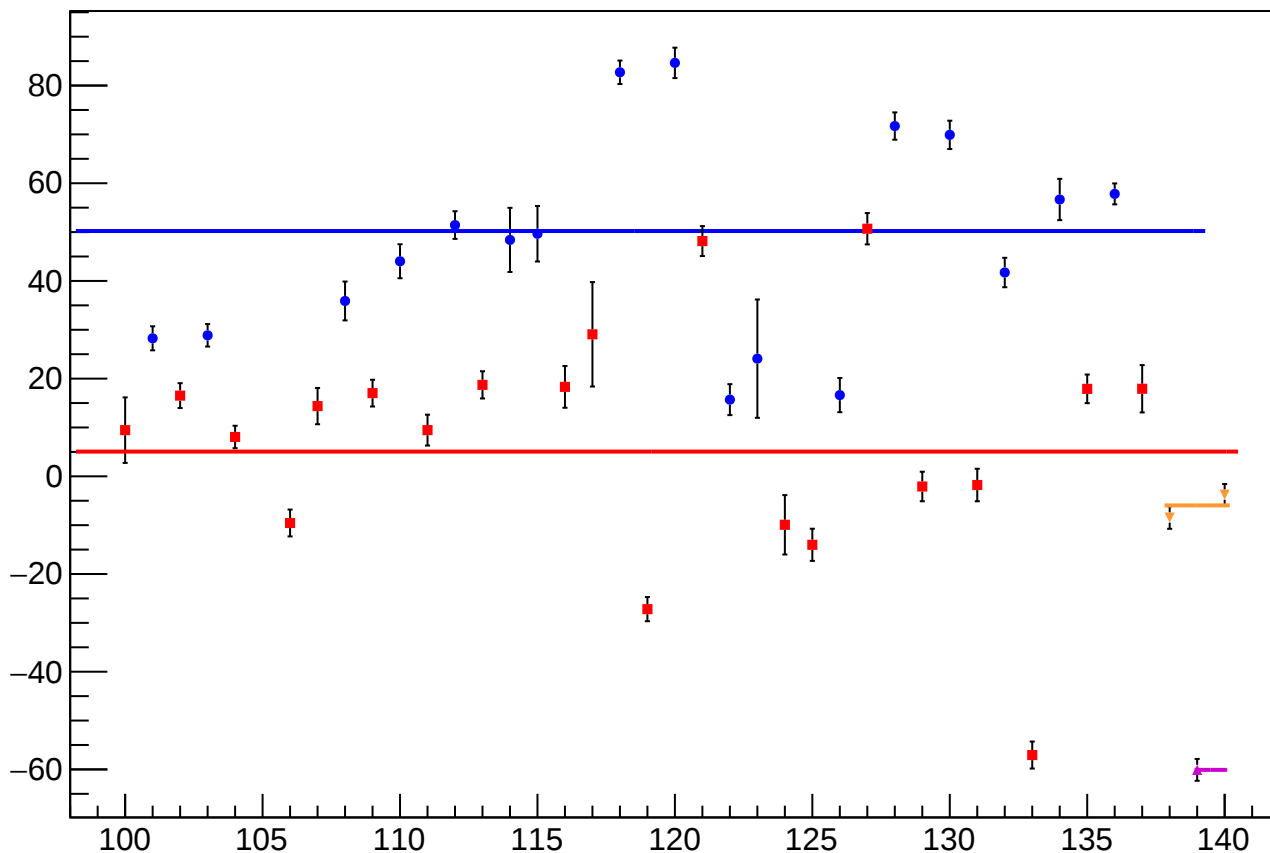
Left In: 1961.207+/-1.686 χ^2/NDF : 0.0/0

2202.767+/-0.545 χ^2/NDF : 124675.7/18

2191.650+/-0.388 χ^2/NDF : 272891.2/39

2180.166+/-0.554 χ^2/NDF : 147368.9/20

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.215+/-0.751 χ^2/NDF : 830.3/16

Left Out: -5.951+/-1.580 χ^2/NDF : 2.2/1

Right Out: 5.065+/-0.712 χ^2/NDF : 1267.6/19

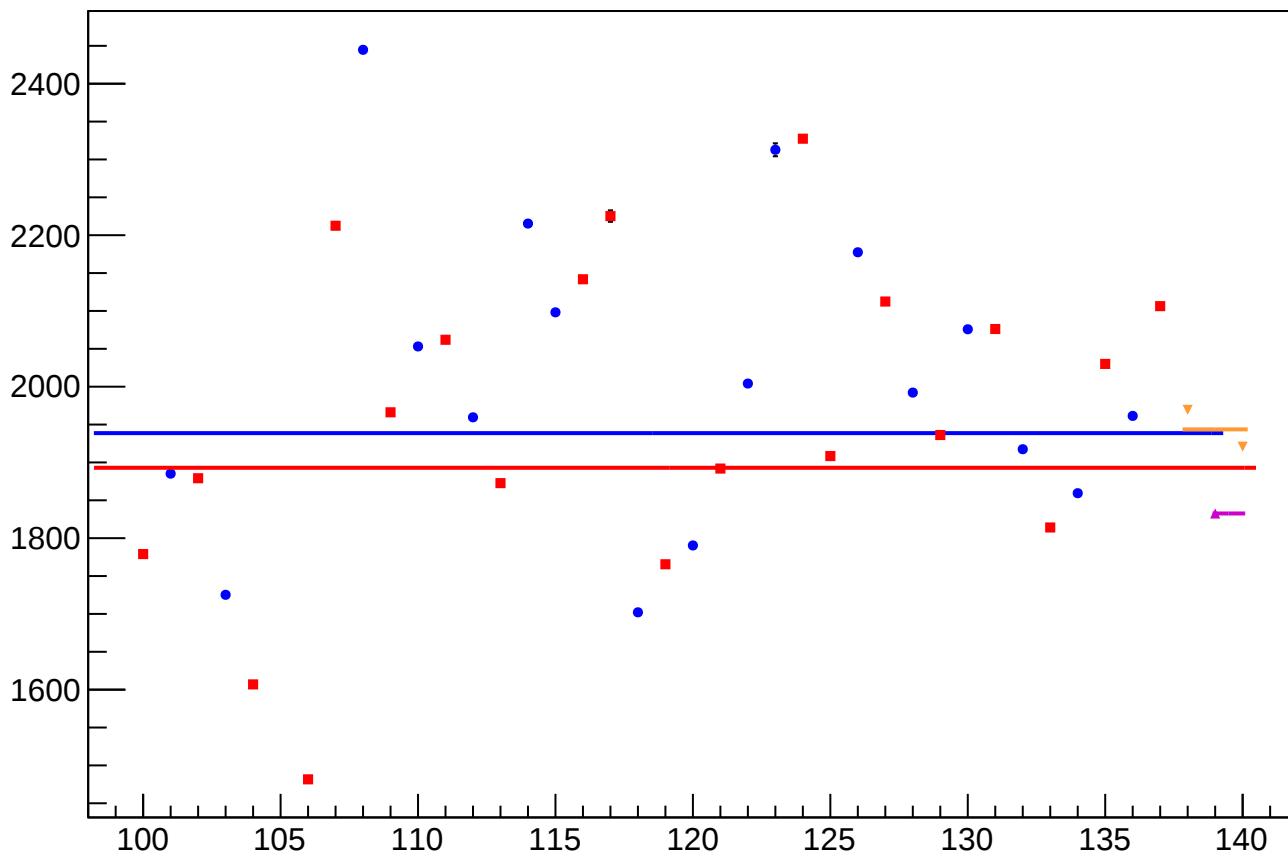
Left In: -60.094+/-2.238 χ^2/NDF : 0.0/0

39.869+/-0.678 χ^2/NDF : 1863.4/18

19.479+/-0.480 χ^2/NDF : 5709.9/39

-0.923+/-0.678 χ^2/NDF : 2037.7/20

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1938.688 $\pm$ 0.531 χ^2 /NDF: 100143.1/16

Left Out: 1943.608 $\pm$ 1.117 χ^2 /NDF:470.9/1

Right Out: 1892.946 $\pm$ 0.503 χ^2 /NDF: 148563.2/19

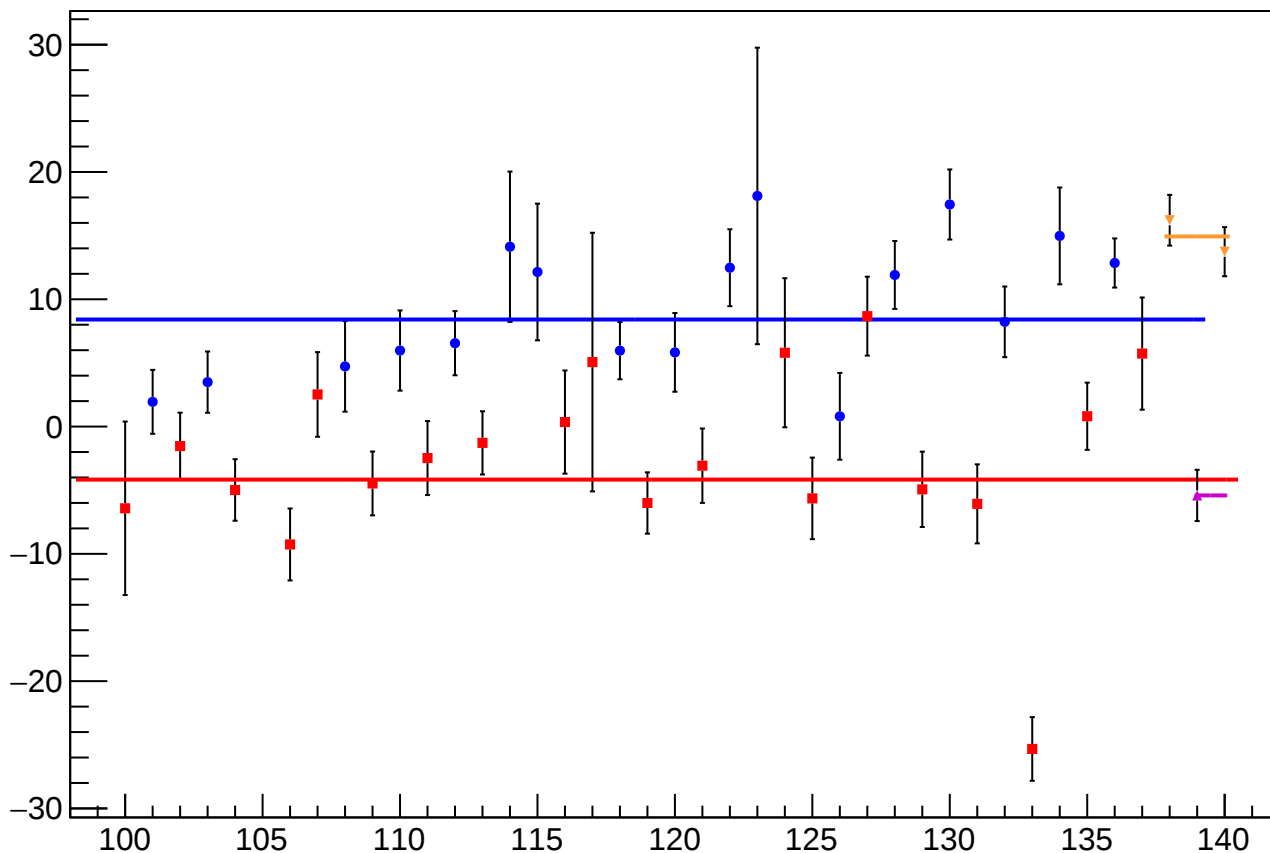
Left In: 1832.599 $\pm$ 1.582 χ^2 /NDF:0.0/0

1939.595 $\pm$ 0.480 χ^2 /NDF: 100629.9/18

1913.505 $\pm$ 0.339 χ^2 /NDF: 256436.8/39

1887.400 $\pm$ 0.480 χ^2 /NDF: 149884.3/20

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.411 ± 0.711 χ^2/NDF : 44.6/16

Left Out: 14.935 ± 1.386 χ^2/NDF : 0.8/1

Right Out: -4.167 ± 0.681 χ^2/NDF : 113.9/19

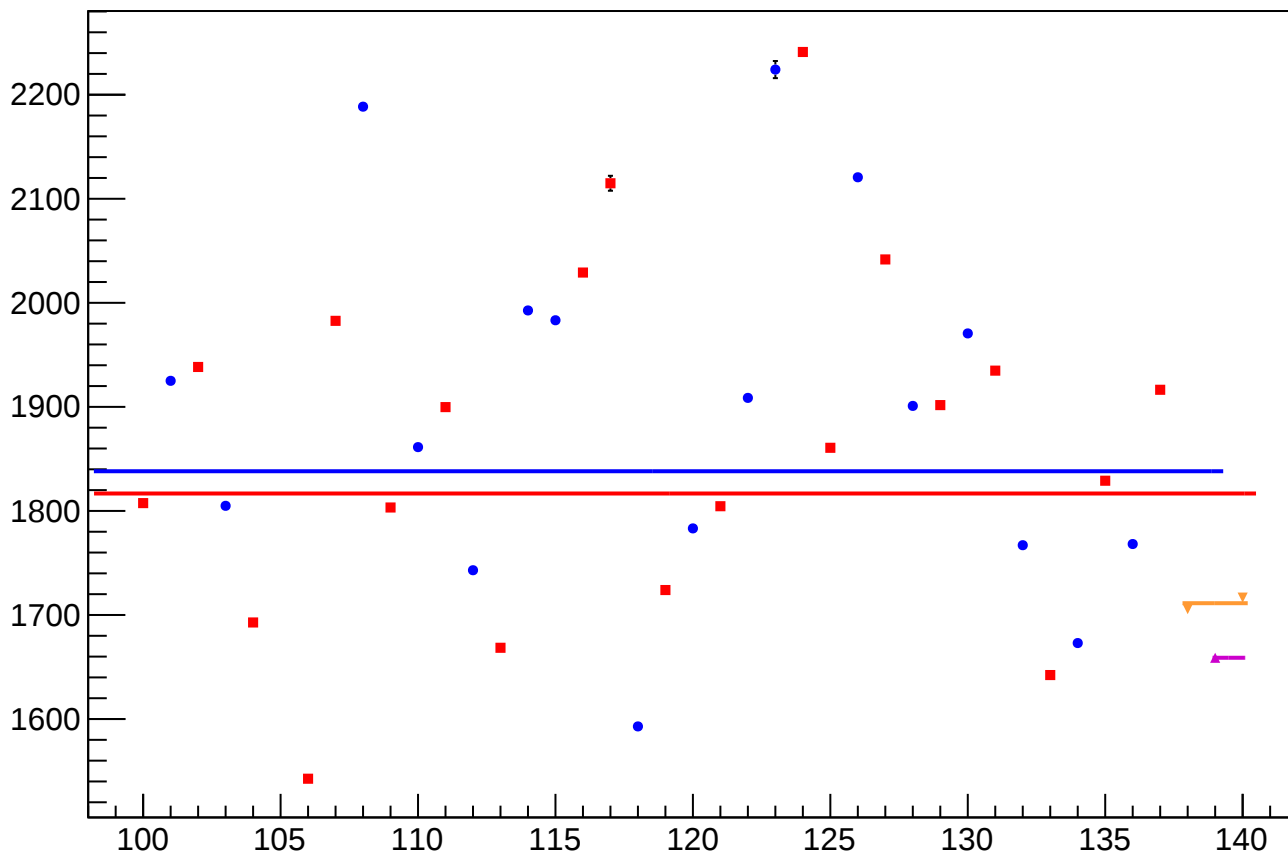
Left In: -5.410 ± 2.015 χ^2/NDF : 0.0/0

9.771 ± 0.633 χ^2/NDF : 62.9/18

2.874 ± 0.452 χ^2/NDF : 419.5/39

-4.294 ± 0.645 χ^2/NDF : 114.2/20

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1838.143 $\pm$ 0.503 χ^2 /NDF: 82878.7/16

Left Out: 1711.323 $\pm$ 0.980 χ^2 /NDF:32.0/1

Right Out: 1816.748 $\pm$ 0.481 χ^2 /NDF: 89149.7/19

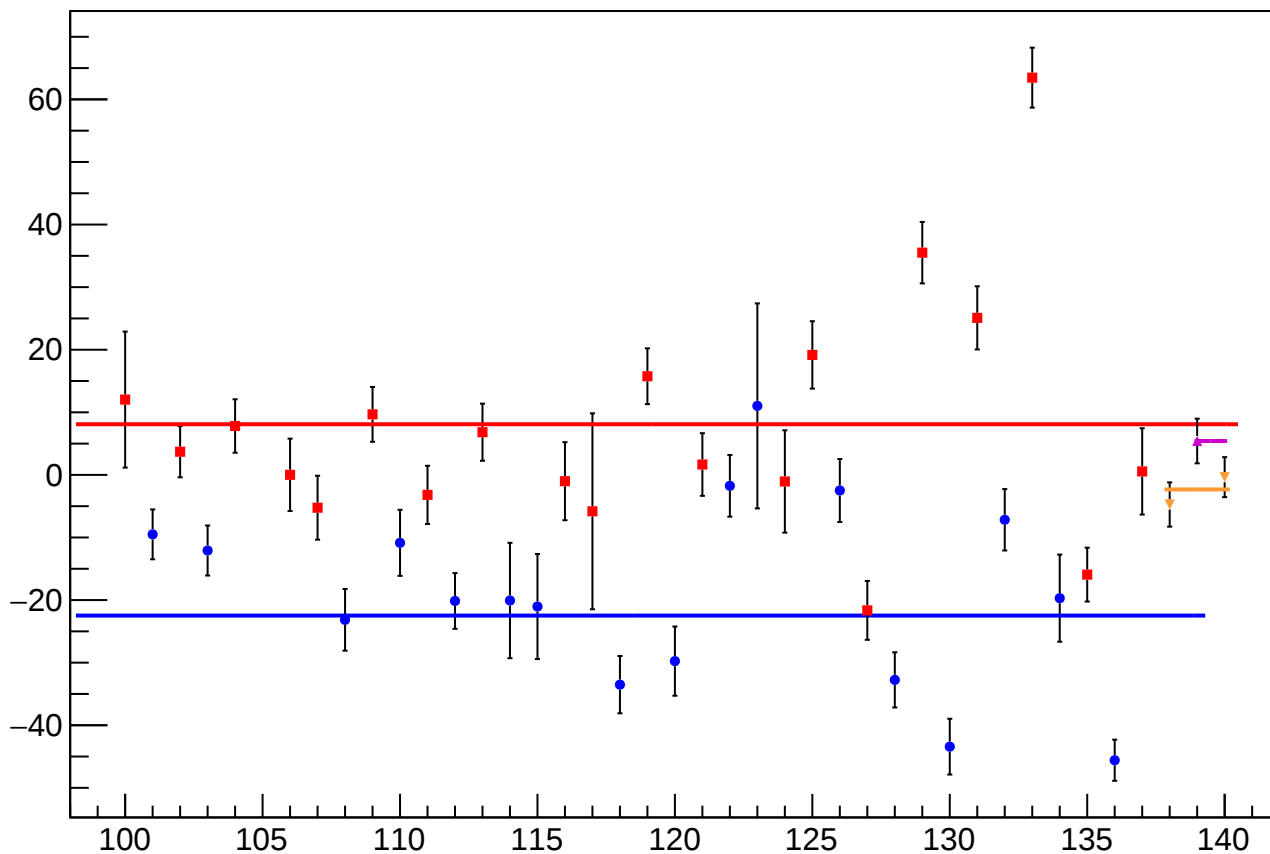
Left In: 1658.884 $\pm$ 1.424 χ^2 /NDF:0.0/0

1811.701 $\pm$ 0.447 χ^2 /NDF: 96169.6/18

1806.239 $\pm$ 0.319 χ^2 /NDF: 196645.8/39

1800.564 $\pm$ 0.456 χ^2 /NDF: 100172.4/20

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.477 ± 1.195 χ^2/NDF : 154.7/16

Left Out: -2.327 ± 2.371 χ^2/NDF : 0.8/1

Right Out: 8.093 ± 1.153 χ^2/NDF : 277.7/19

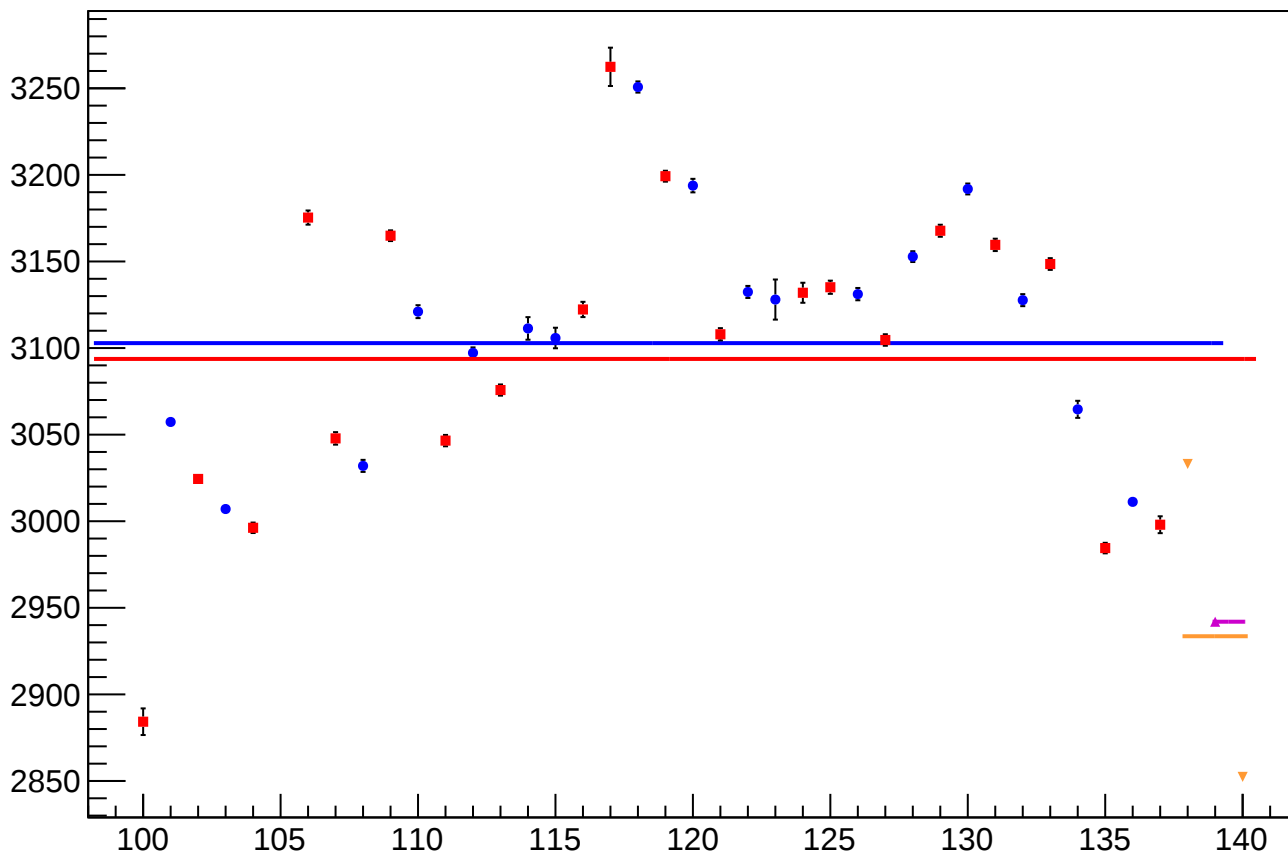
Left In: 5.416 ± 3.566 χ^2/NDF : 0.0/0

-18.398 ± 1.067 χ^2/NDF : 213.1/18

-5.648 ± 0.765 χ^2/NDF : 785.2/39

7.840 ± 1.097 χ^2/NDF : 278.2/20

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3102.846 $\pm$ 0.845 χ^2 /NDF: 7344.9/16

Left Out: 2933.582 $\pm$ 1.677 χ^2 /NDF: 2873.7/1

Right Out: 3093.715 $\pm$ 0.816 χ^2 /NDF: 7996.8/19

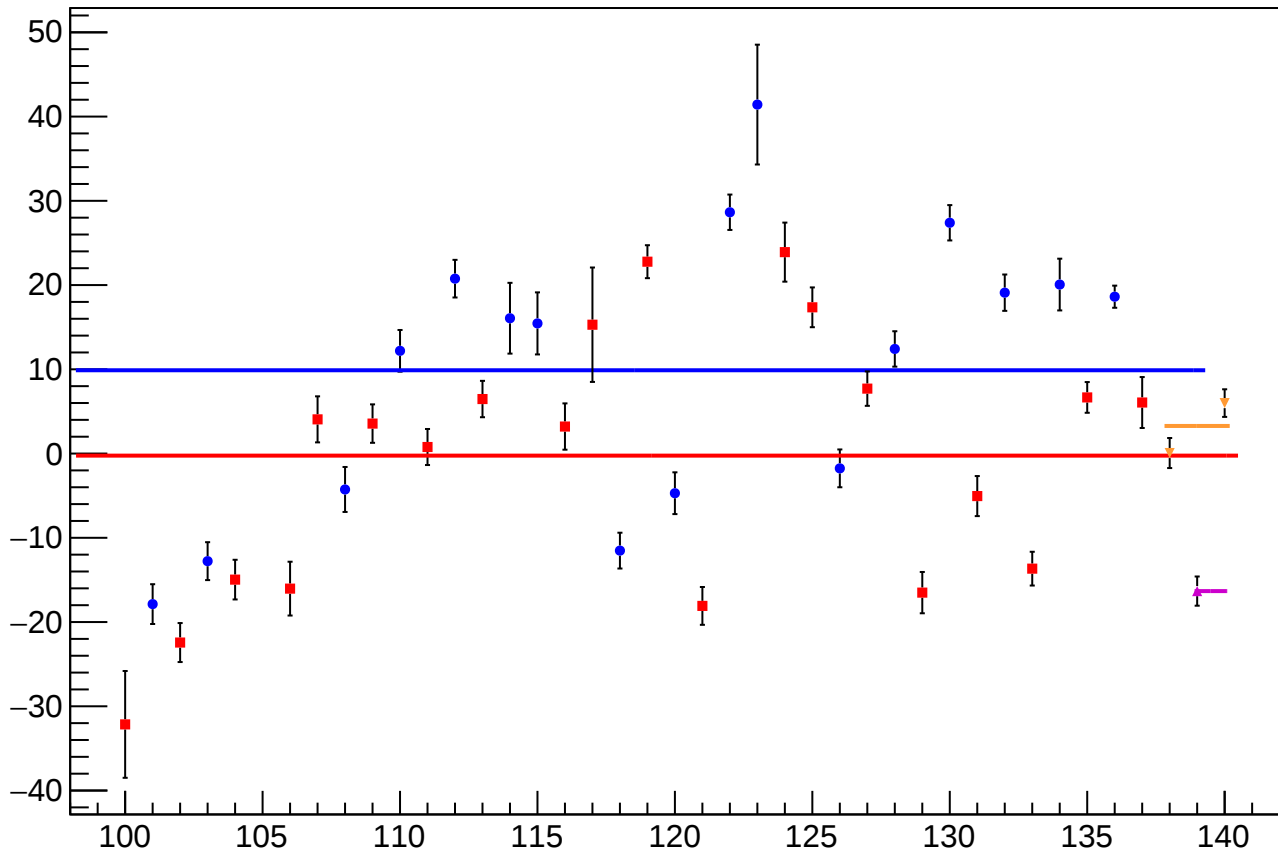
Left In: 2941.970 $\pm$ 2.522 χ^2 /NDF: 0.0/0

3068.578 $\pm$ 0.754 χ^2 /NDF: 18345.7/18

3073.810 $\pm$ 0.541 χ^2 /NDF: 29719.9/39

3079.345 $\pm$ 0.776 χ^2 /NDF: 11275.3/20

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.887 $\pm$ 0.559 χ^2 /NDF: 703.6/16

Left Out: 3.276 $\pm$ 1.207 χ^2 /NDF: 6.0/1

Right Out: -0.245 $\pm$ 0.545 χ^2 /NDF: 634.1/19

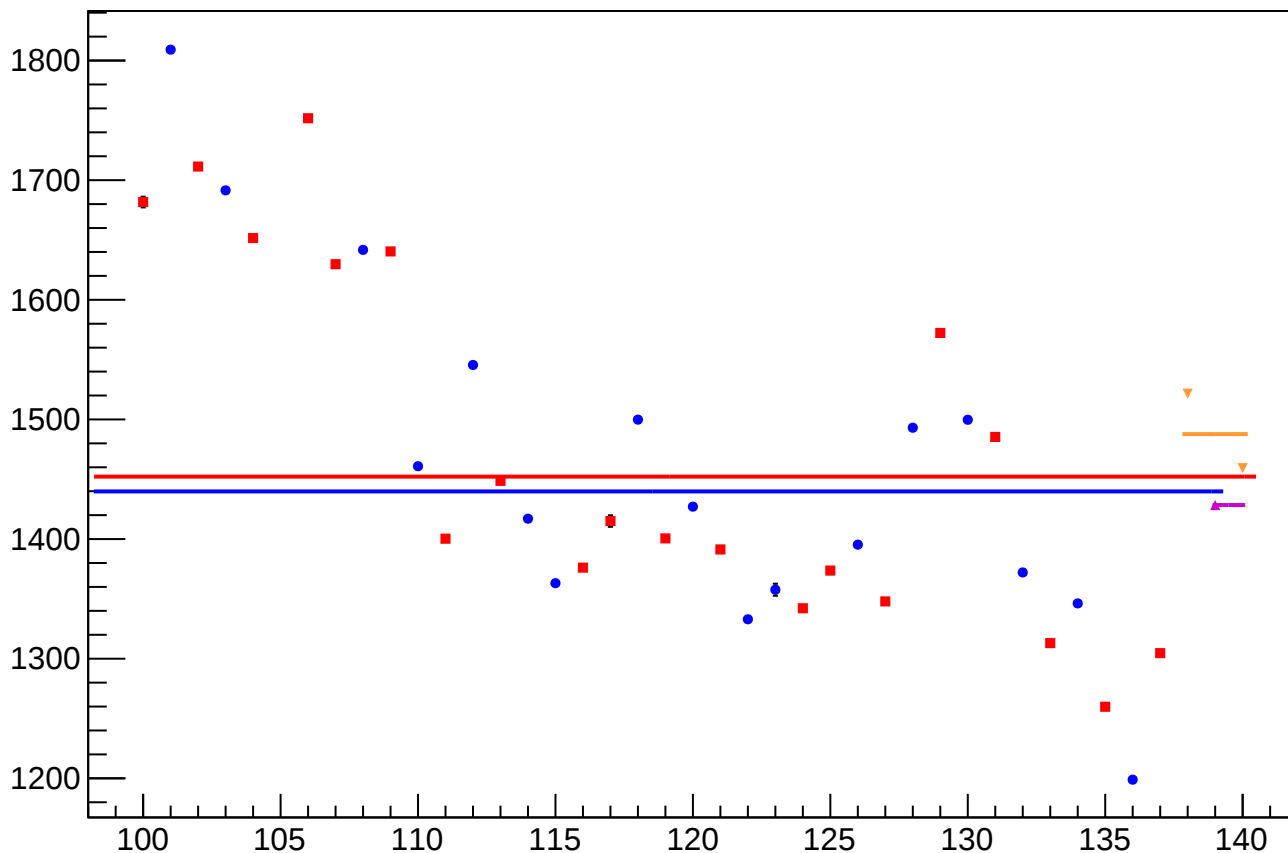
Left In: -16.327 $\pm$ 1.733 χ^2 /NDF: 0.0/0

8.718 $\pm$ 0.508 χ^2 /NDF: 734.3/18

3.638 $\pm$ 0.363 χ^2 /NDF: 1652.1/39

-1.694 $\pm$ 0.520 χ^2 /NDF: 712.5/20

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1439.826 $\pm$ 0.396 χ^2 /NDF: 172823.5/16

Left Out: 1487.744 $\pm$ 0.853 χ^2 /NDF:1321.7/1

Right Out: 1452.211 $\pm$ 0.385 χ^2 /NDF: 138579.9/19

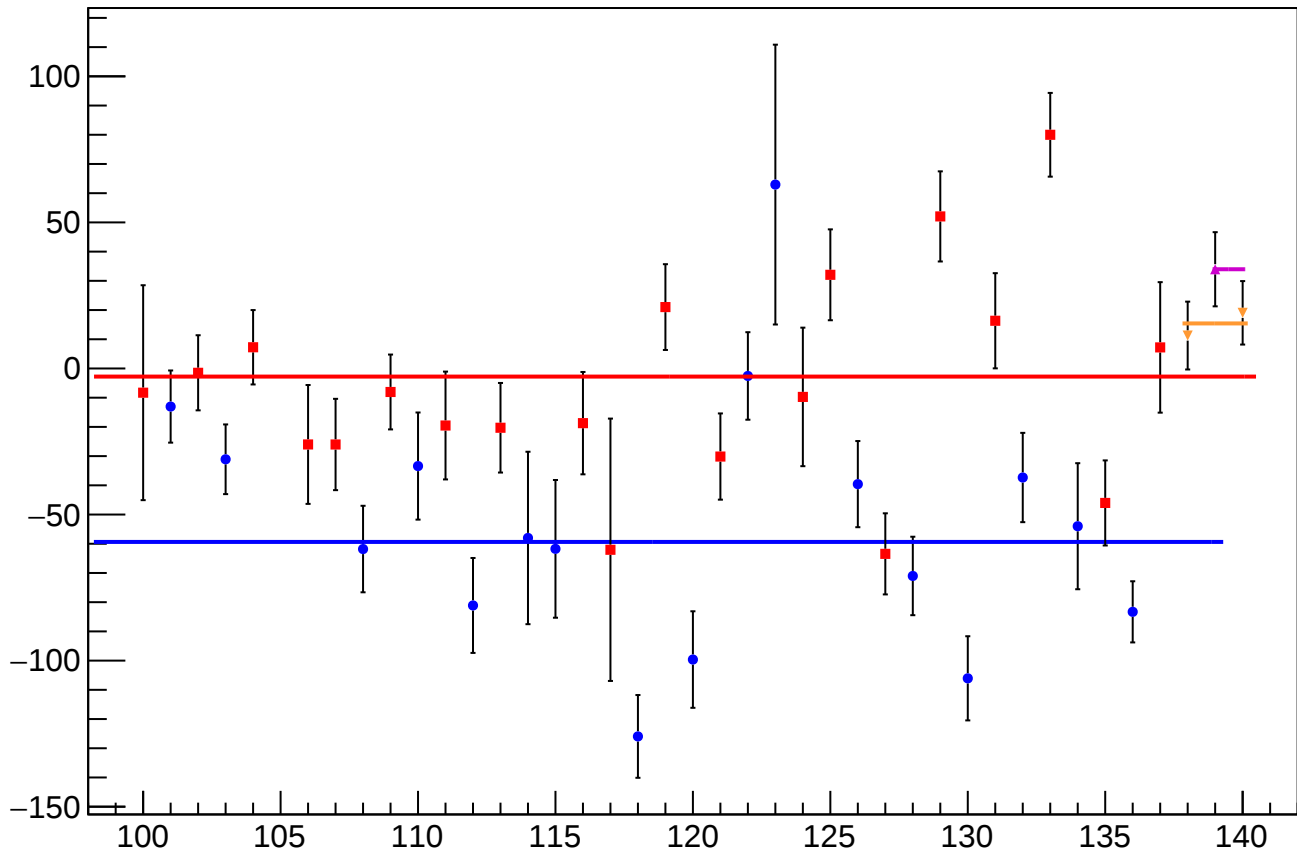
Left In: 1428.449 $\pm$ 1.225 χ^2 /NDF:0.0/0

1448.303 $\pm$ 0.359 χ^2 /NDF: 176740.9/18

1449.166 $\pm$ 0.257 χ^2 /NDF: 315674.9/39

1450.071 $\pm$ 0.368 χ^2 /NDF: 138922.1/20

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -59.374 ± 3.729 χ^2/NDF : 92.9/16

Left Out: 15.417 ± 7.933 χ^2/NDF : 0.2/1

Right Out: -2.776 ± 3.618 χ^2/NDF : 95.7/19

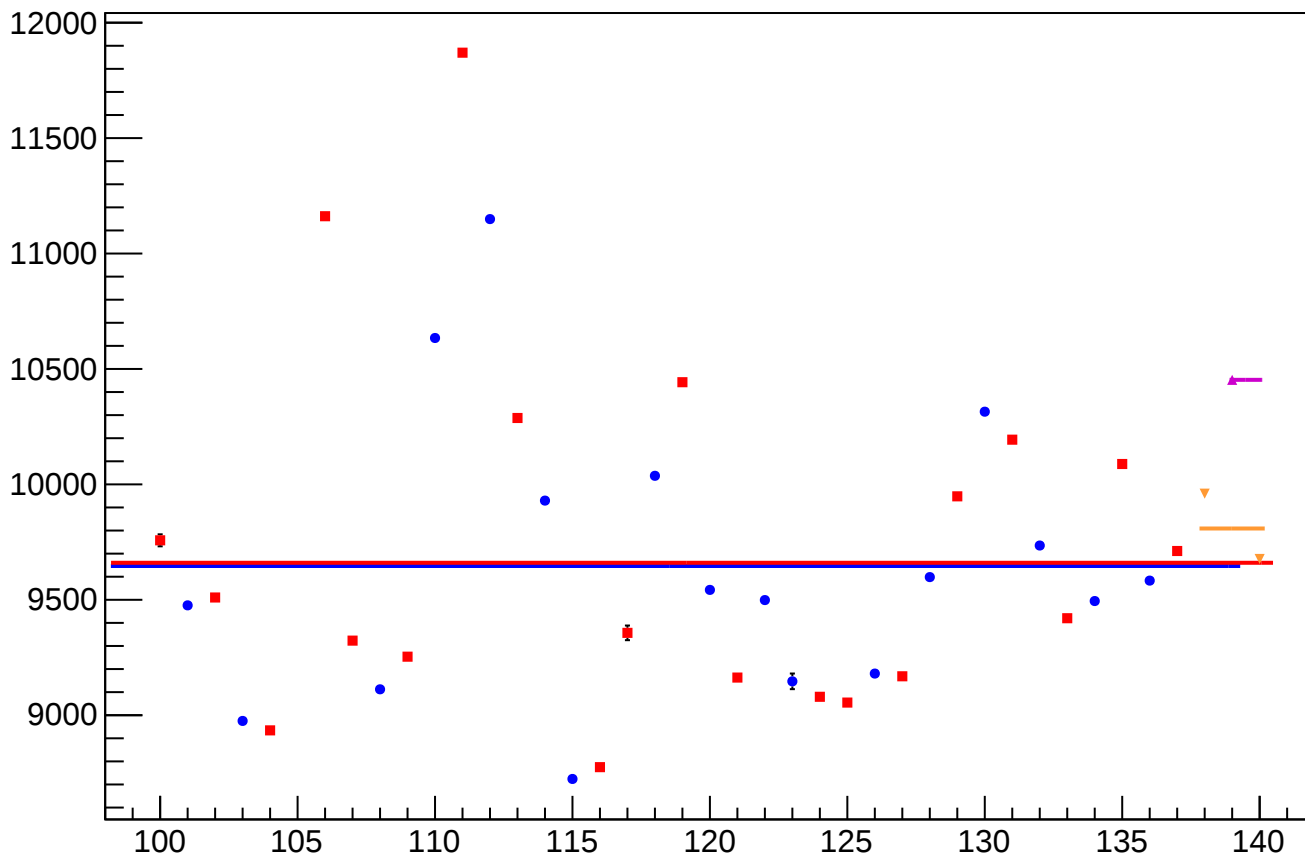
Left In: 33.964 ± 12.692 χ^2/NDF : 0.0/0

-45.841 ± 3.375 χ^2/NDF : 165.9/18

-23.627 ± 2.422 χ^2/NDF : 358.8/39

-0.015 ± 3.479 χ^2/NDF : 103.4/20

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9646.480 $\pm$ 2.637 χ^2 /NDF: 44060.3/16

Left Out: 9808.877 $\pm$ 5.610 χ^2 /NDF:632.8/1

Right Out: 9660.380 $\pm$ 2.558 χ^2 /NDF: 77676.0/19

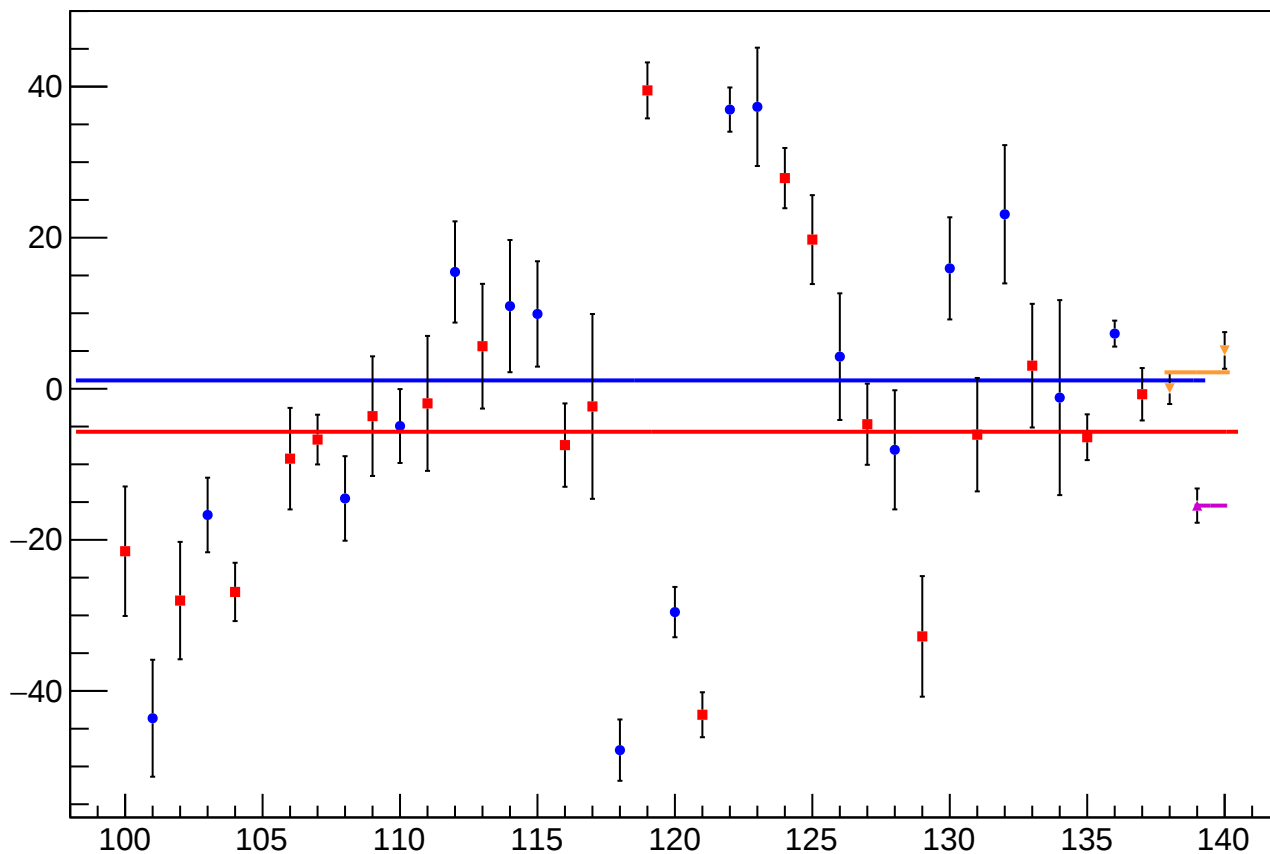
Left In: 10452.847 $\pm$ 8.975 χ^2 /NDF:0.0/0

9675.864 $\pm$ 2.386 χ^2 /NDF: 45379.5/18

9697.225 $\pm$ 1.713 χ^2 /NDF: 130431.9/39

9719.931 $\pm$ 2.460 χ^2 /NDF: 84887.0/20

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 1.106 ± 1.066 $\chi^2/\text{NDF}: 489.7/16$

Left Out: 2.179 ± 1.578 $\chi^2/\text{NDF}: 2.5/1$

Right Out: -5.689 ± 1.087 $\chi^2/\text{NDF}: 456.0/19$

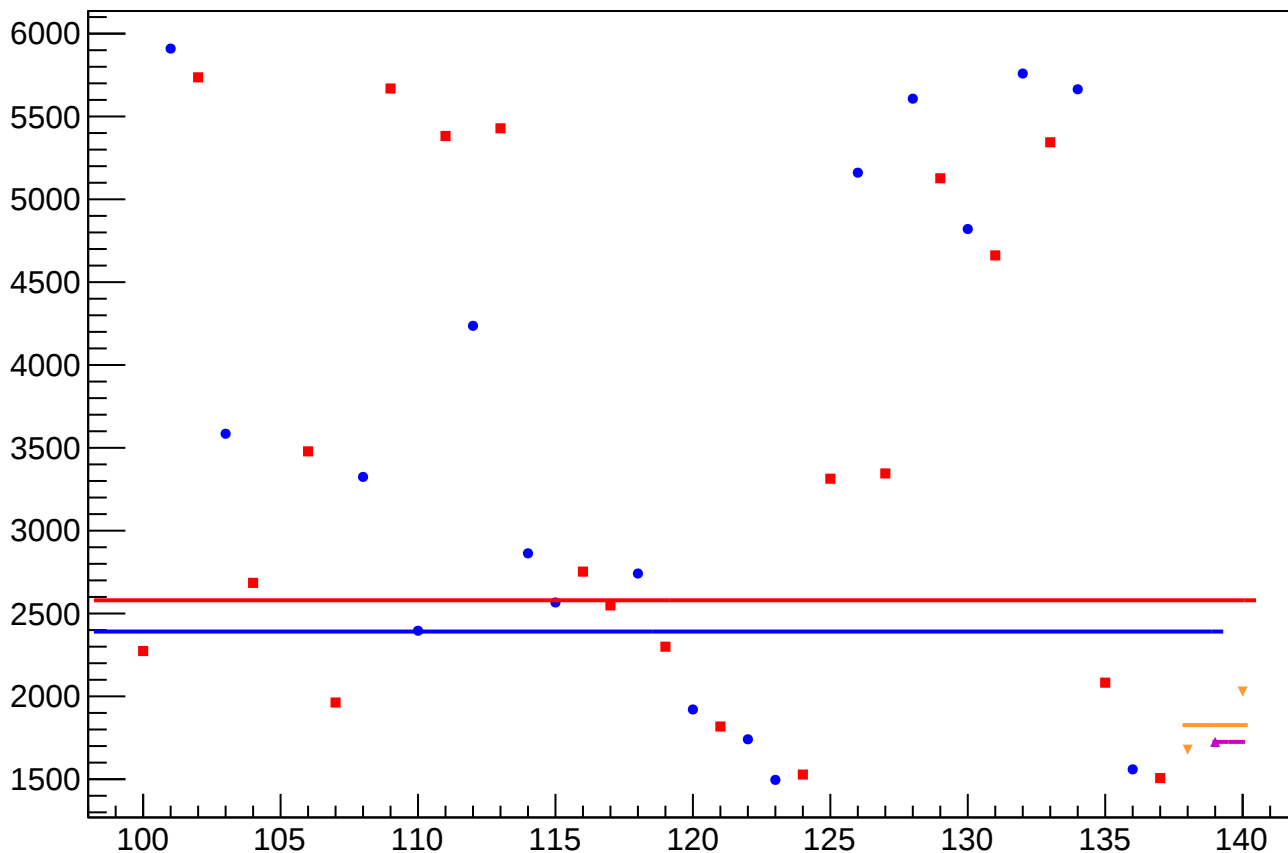
Left In: -15.467 ± 2.269 $\chi^2/\text{NDF}: 0.0/0$

1.443 ± 0.884 $\chi^2/\text{NDF}: 492.5/18$

-2.573 ± 0.656 $\chi^2/\text{NDF}: 1009.7/39$

-7.514 ± 0.980 $\chi^2/\text{NDF}: 471.1/20$

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2391.162 $\pm$ 0.754 χ^2 /NDF: 2600547.2/16

Left Out: 1826.626 $\pm$ 1.115 χ^2 /NDF: 24192.5/1

Right Out: 2579.794 $\pm$ 0.768 χ^2 /NDF: 2365284.2/19

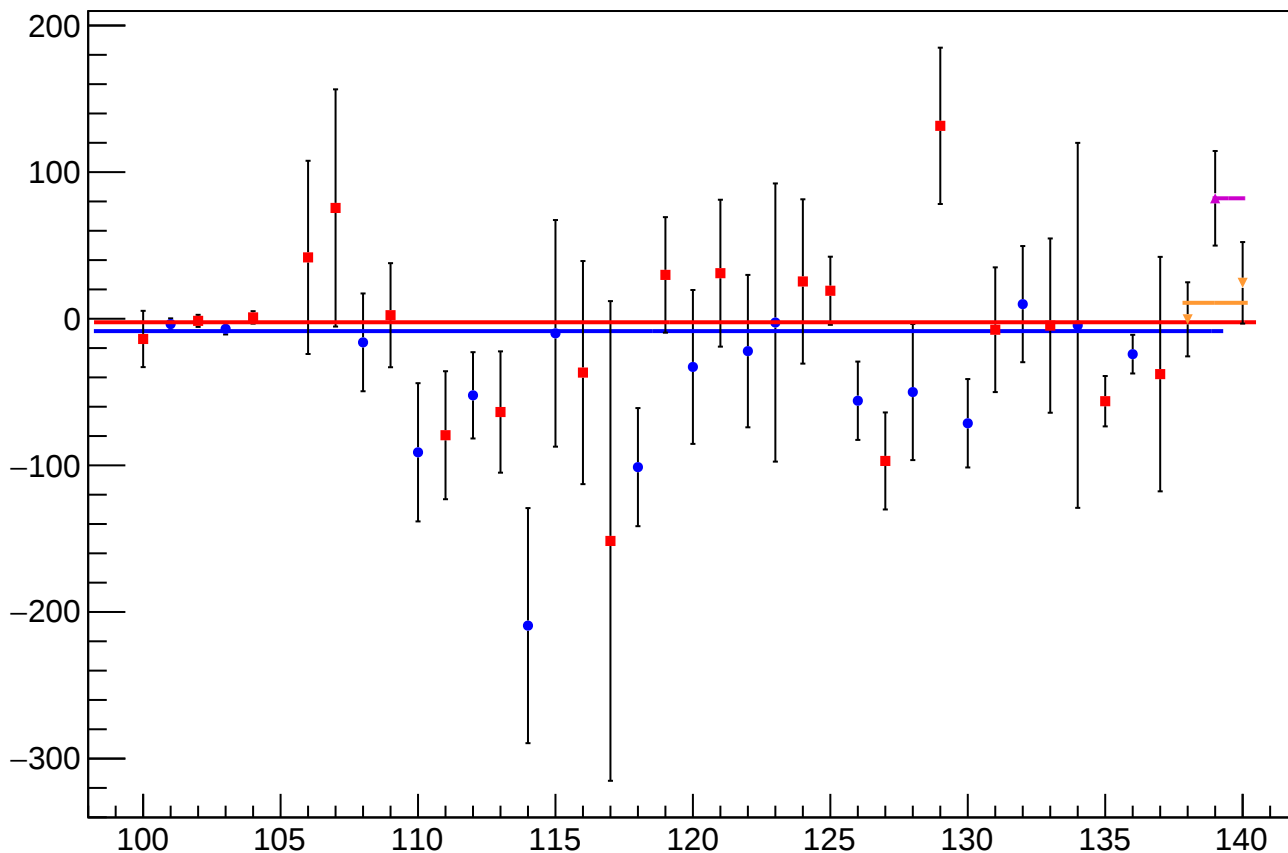
Left In: 1725.239 $\pm$ 1.604 χ^2 /NDF: 0.0/0

2214.083 $\pm$ 0.625 χ^2 /NDF: 2800531.8/18

2306.523 $\pm$ 0.464 χ^2 /NDF: 5445460.2/39

2420.289 $\pm$ 0.693 χ^2 /NDF: 2596089.2/20

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.430 $\pm$ 2.587 χ^2 /NDF: 28.9/16

Left Out: 10.870 $\pm$ 18.697 χ^2 /NDF: 0.4/1

Right Out: -2.392 $\pm$ 2.786 χ^2 /NDF: 35.5/19

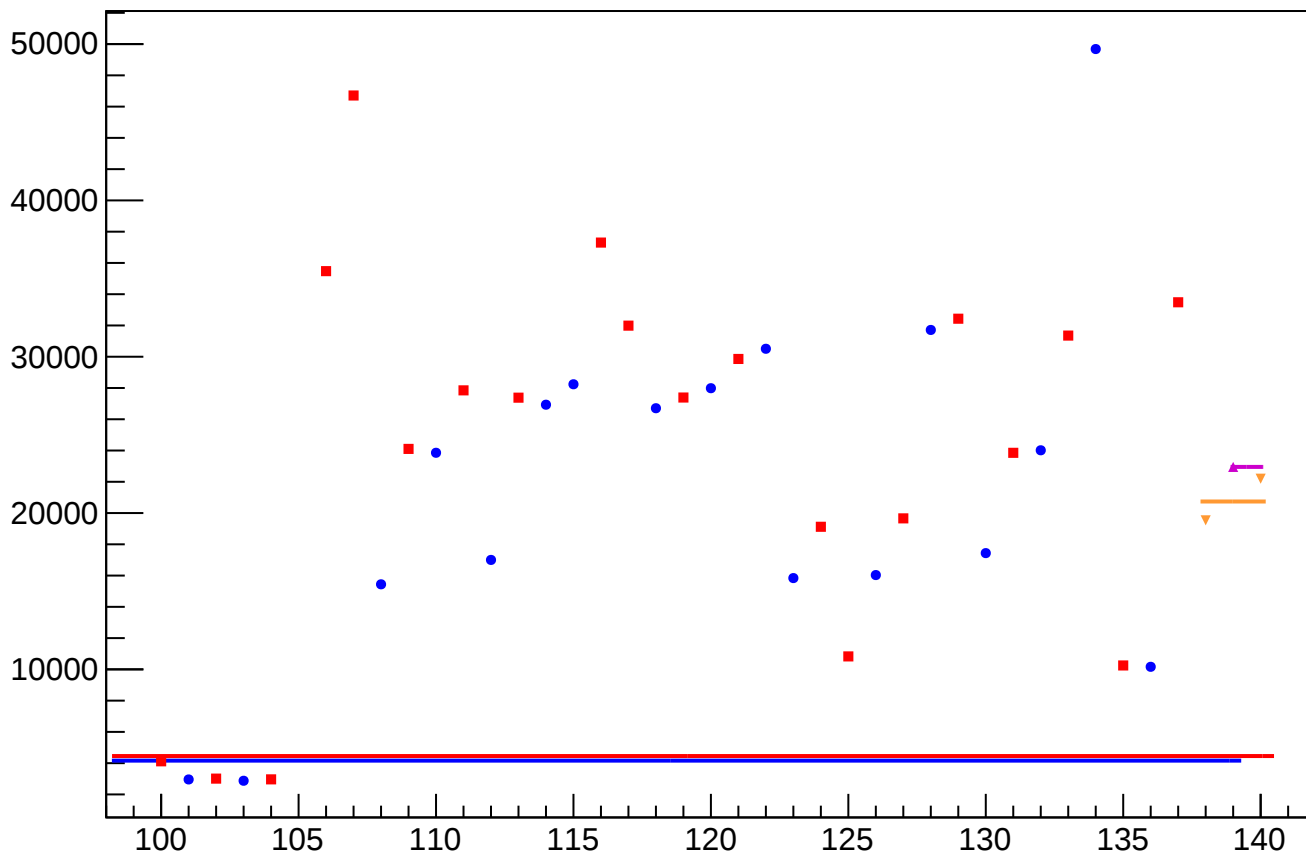
Left In: 82.154 $\pm$ 32.261 χ^2 /NDF: 0.0/0

-8.067 $\pm$ 2.563 χ^2 /NDF: 30.4/18

-5.168 $\pm$ 1.883 χ^2 /NDF: 75.5/39

-1.766 $\pm$ 2.776 χ^2 /NDF: 42.3/20

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4162.318 ± 1.830 $\chi^2/\text{NDF}: 5990070.5/16$

Left Out: 20738.835 ± 13.221 $\chi^2/\text{NDF}: 10055.8/1$

Right Out: 4455.114 ± 1.970 $\chi^2/\text{NDF}: 7483602.5/19$

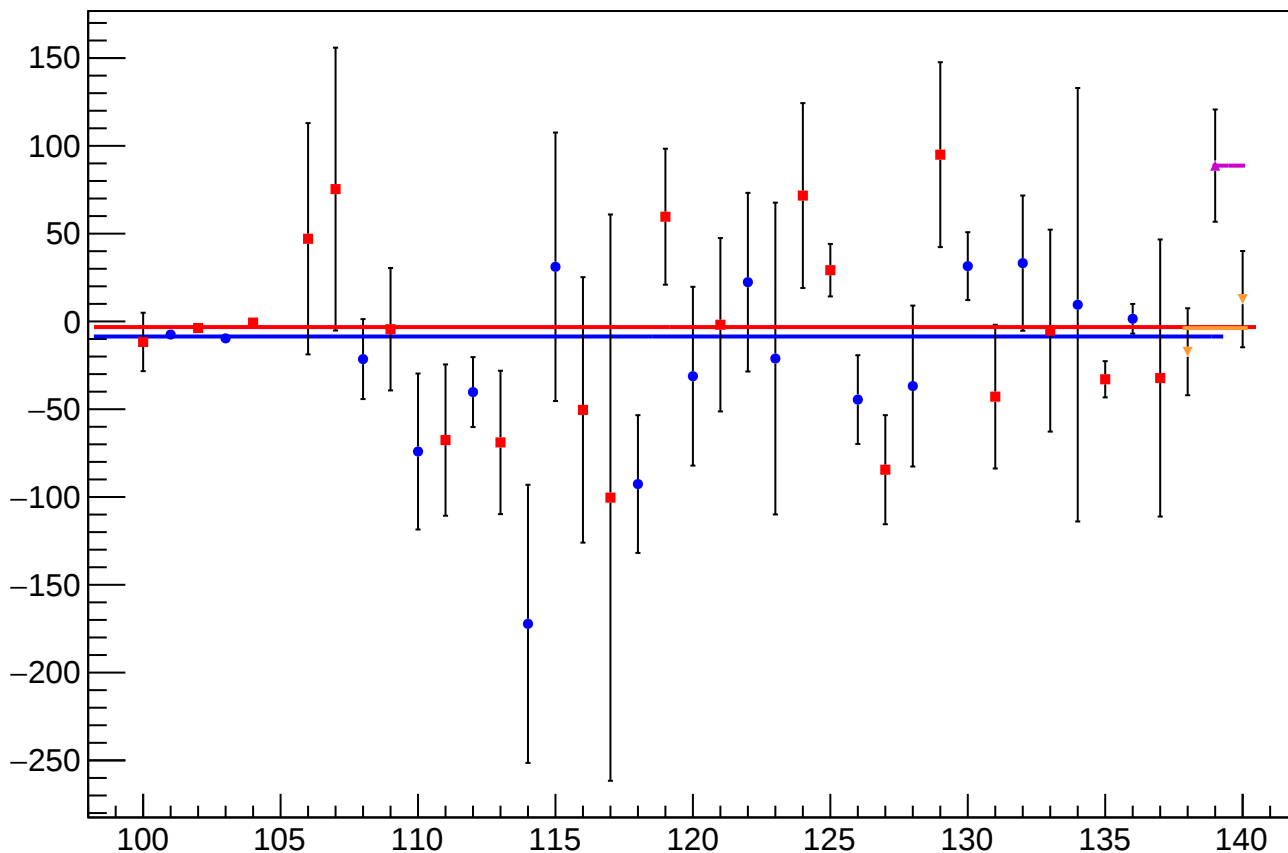
Left In: 22951.887 ± 22.812 $\chi^2/\text{NDF}: 0.0/0$

4473.817 ± 1.812 $\chi^2/\text{NDF}: 7542692.0/18$

4528.233 ± 1.332 $\chi^2/\text{NDF}: 15680824.2/3$

4592.075 ± 1.963 $\chi^2/\text{NDF}: 8136172.9/20$

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.586 $\pm$ 1.778 χ^2/NDF : 24.4/16

Left Out: -3.803 $\pm$ 18.379 χ^2/NDF : 0.7/1

Right Out: -3.208 $\pm$ 1.922 χ^2/NDF : 37.2/19

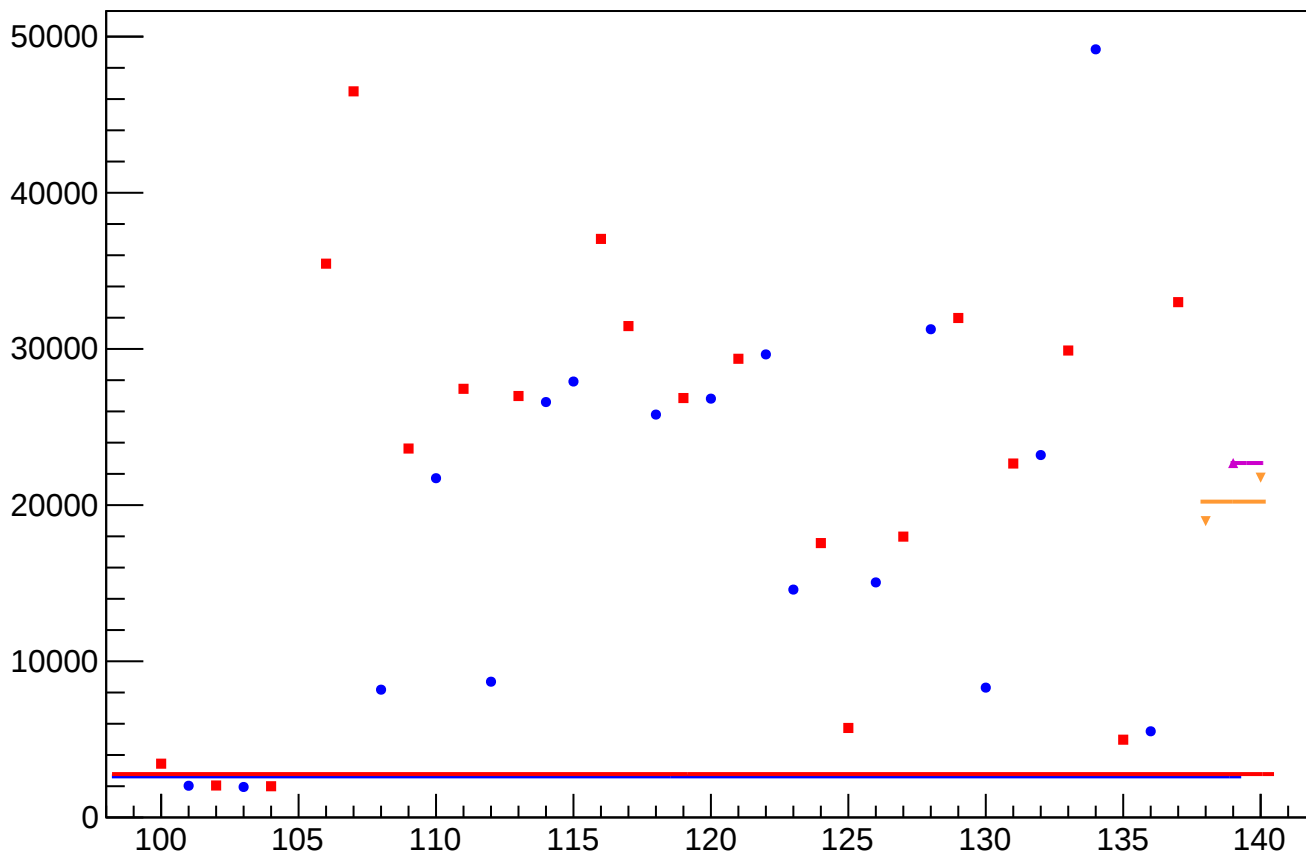
Left In: 88.737 $\pm$ 31.972 χ^2/NDF : 0.0/0

-8.542 $\pm$ 1.769 χ^2/NDF : 25.1/18

-5.938 $\pm$ 1.301 χ^2/NDF : 75.3/39

-2.877 $\pm$ 1.919 χ^2/NDF : 45.5/20

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2630.547+/-1.257 χ^2/NDF : 5588981.6/16

Left Out: 20223.372+/-12.996 χ^2/NDF : 11367.3/1

Right Out: 2777.521+/-1.359 χ^2/NDF : 7899165.0/19

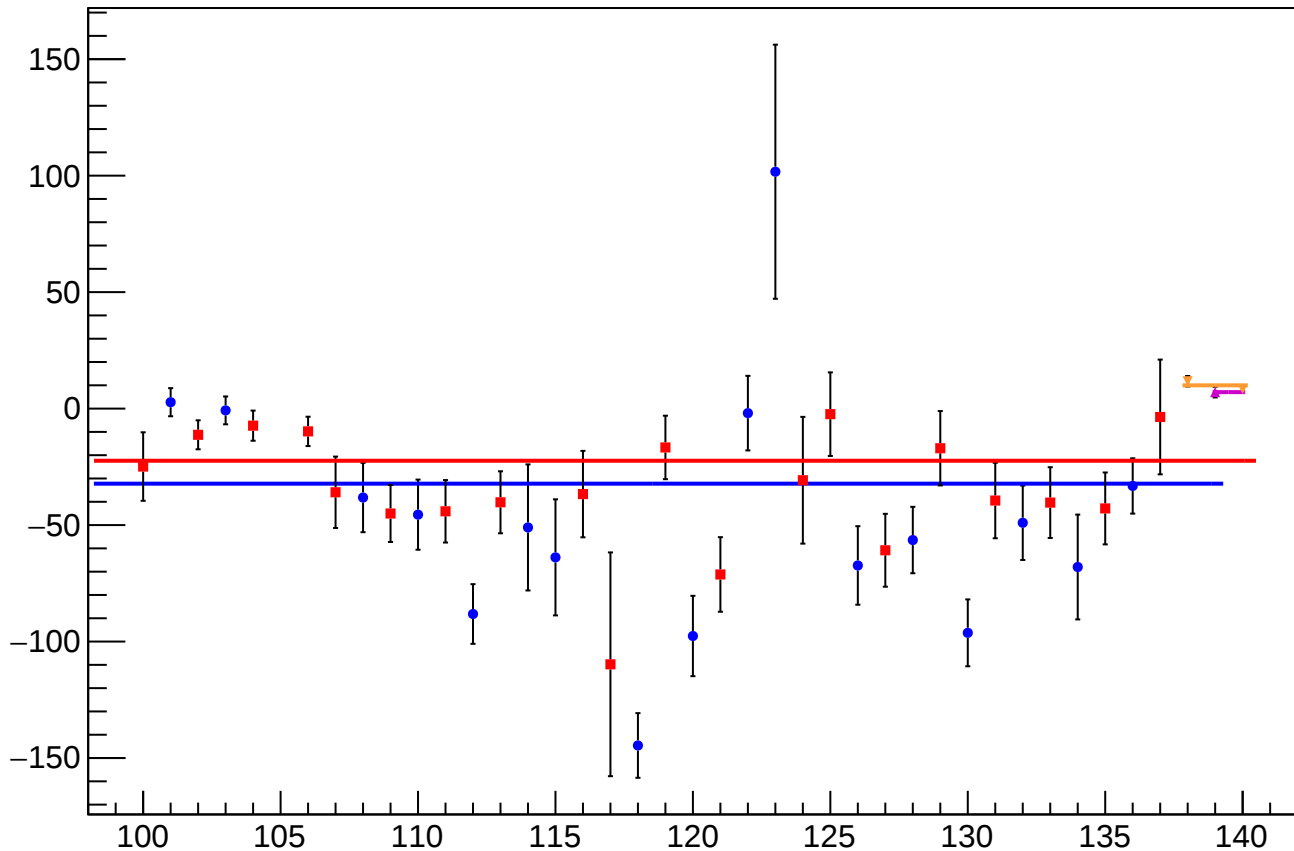
Left In: 22695.318+/-22.607 χ^2/NDF : 0.0/0

2793.630+/-1.251 χ^2/NDF : 7415998.4/18

2819.194+/-0.920 χ^2/NDF : 16089488.5/3

2849.250+/-1.357 χ^2/NDF : 8672581.8/20

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.222 ± 2.981 χ^2/NDF : 203.7/16

Left Out: 9.992 ± 1.549 χ^2/NDF : 1.1/1

Right Out: -22.381 ± 2.665 χ^2/NDF : 47.0/19

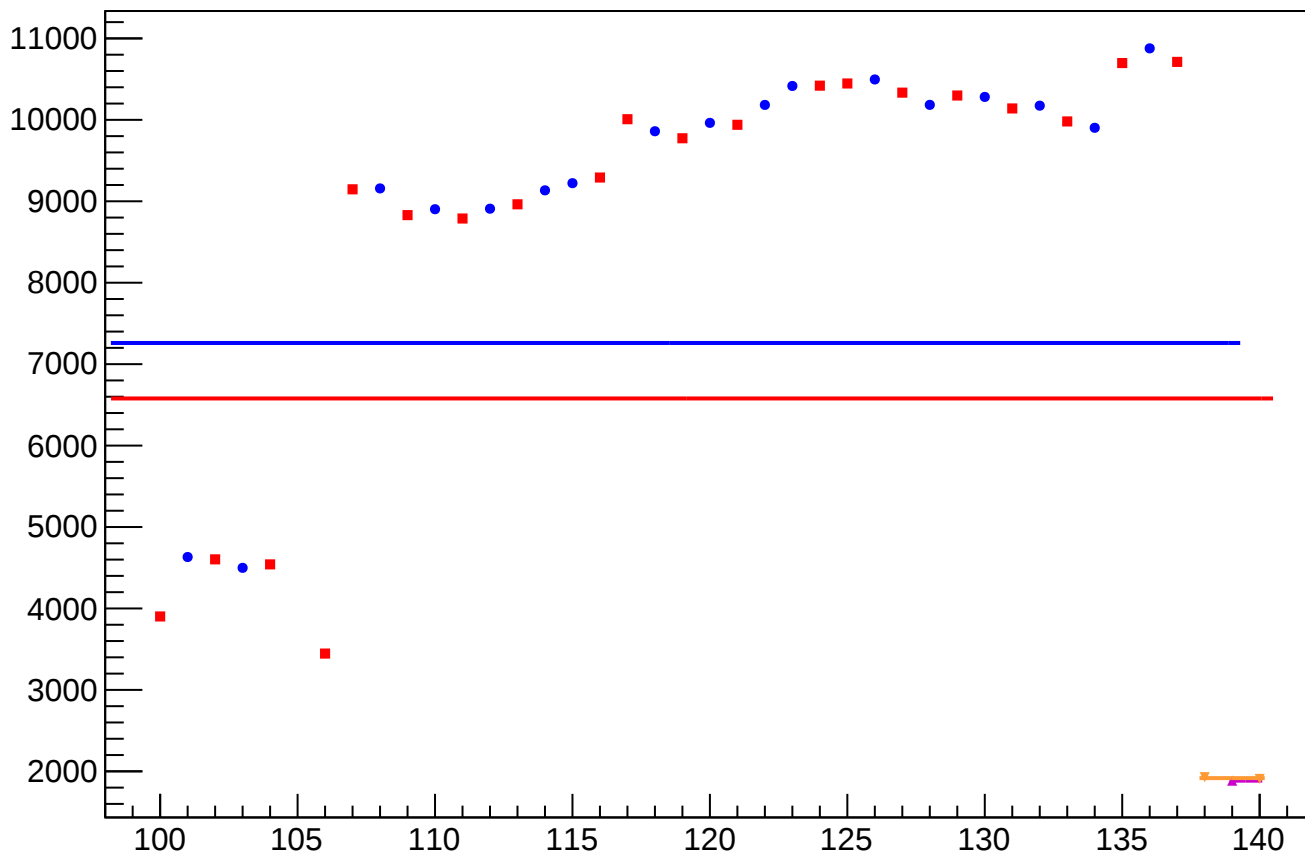
Left In: 7.069 ± 2.286 χ^2/NDF : 0.0/0

1.017 ± 1.375 χ^2/NDF : 362.7/18

-1.462 ± 1.077 χ^2/NDF : 488.4/39

-5.411 ± 1.735 χ^2/NDF : 117.4/20

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7260.081+/-2.108 χ^2/NDF : 1636373.2/16

Left Out: 1916.664+/-1.095 χ^2/NDF : 93.5/1

Right Out: 6578.773+/-1.885 χ^2/NDF : 2206772.9/19

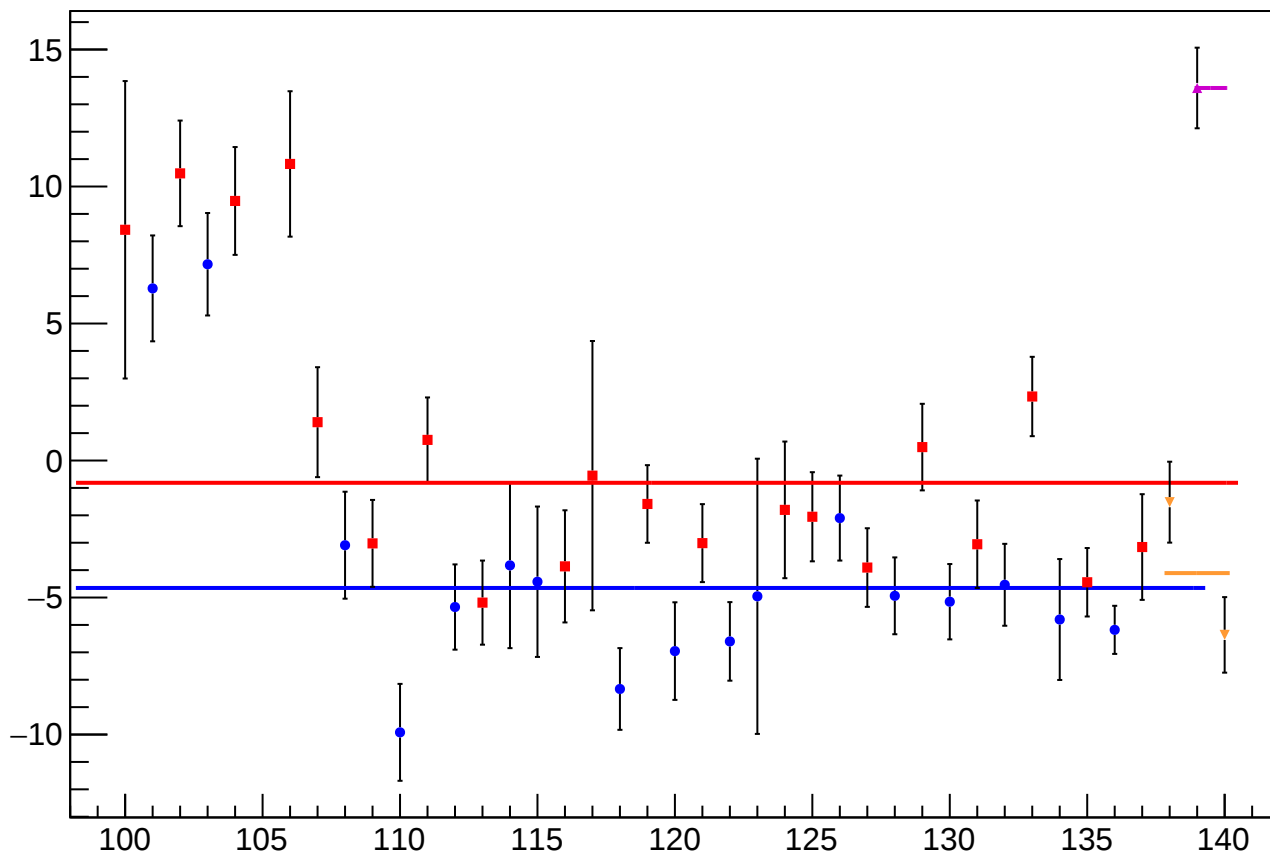
Left In: 1885.368+/-1.616 χ^2/NDF : 0.0/0

3052.716+/-0.972 χ^2/NDF : 6694936.8/18

3369.572+/-0.762 χ^2/NDF : 12751158.3/3

3874.261+/-1.227 χ^2/NDF : 5780732.3/20

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.651 ± 0.393 χ^2/NDF : 97.6/16

Left Out: -4.108 ± 1.008 χ^2/NDF : 5.7/1

Right Out: -0.813 ± 0.387 χ^2/NDF : 123.7/19

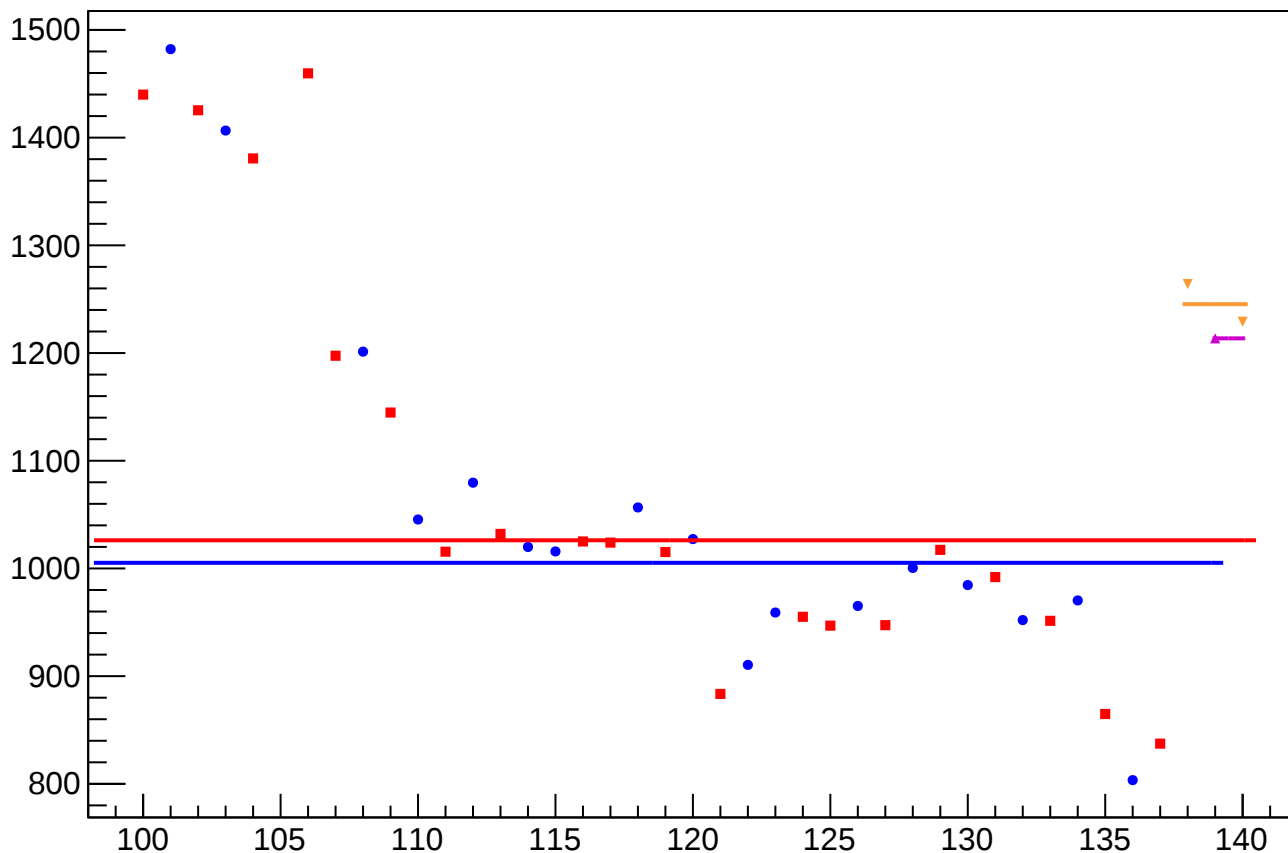
Left In: 13.596 ± 1.471 χ^2/NDF : 0.0/0

-4.579 ± 0.366 χ^2/NDF : 103.6/18

-2.284 ± 0.262 χ^2/NDF : 397.6/39

0.121 ± 0.375 χ^2/NDF : 213.4/20

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1005.227+/-0.278 χ^2/NDF : 361954.2/16

Left Out: 1245.368+/-0.713 χ^2/NDF : 598.0/1

Right Out: 1026.145+/-0.274 χ^2/NDF : 333119.4/19

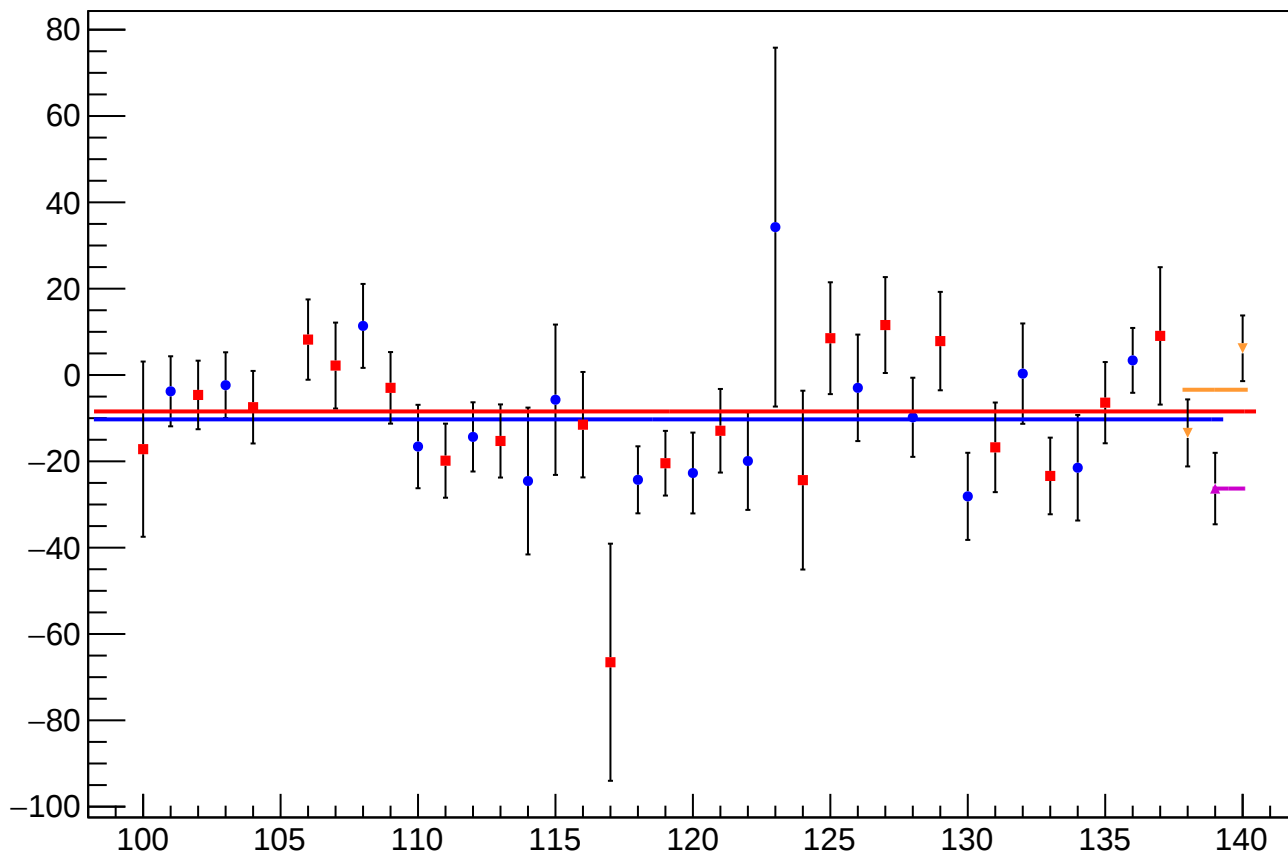
Left In: 1213.633+/-1.040 χ^2/NDF : 0.0/0

1036.881+/-0.259 χ^2/NDF : 461174.1/18

1037.572+/-0.185 χ^2/NDF : 824684.3/39

1038.296+/-0.265 χ^2/NDF : 363495.6/20

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.277 $\pm$ 2.408 χ^2/NDF : 23.5/16

Left Out: -3.414 $\pm$ 5.434 χ^2/NDF : 3.3/1

Right Out: -8.441 $\pm$ 2.271 χ^2/NDF : 27.3/19

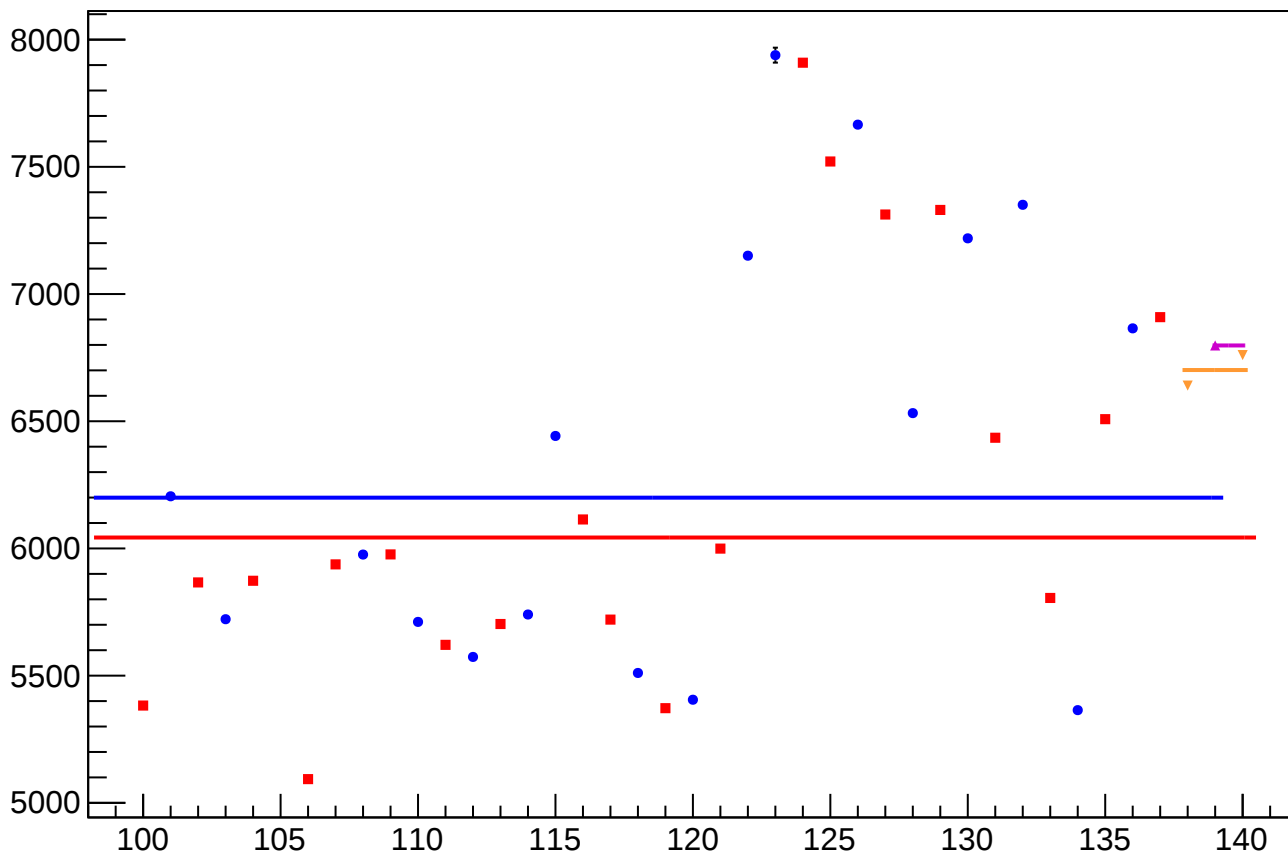
Left In: -26.307 $\pm$ 8.279 χ^2/NDF : 0.0/0

-9.151 $\pm$ 2.201 χ^2/NDF : 28.1/18

-9.422 $\pm$ 1.552 χ^2/NDF : 59.7/39

-9.691 $\pm$ 2.190 χ^2/NDF : 31.6/20

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6199.617+/-1.703 χ^2/NDF : 171760.4/16

Left Out: 6701.311+/-3.843 χ^2/NDF : 243.3/1

Right Out: 6042.952+/-1.606 χ^2/NDF : 158600.9/19

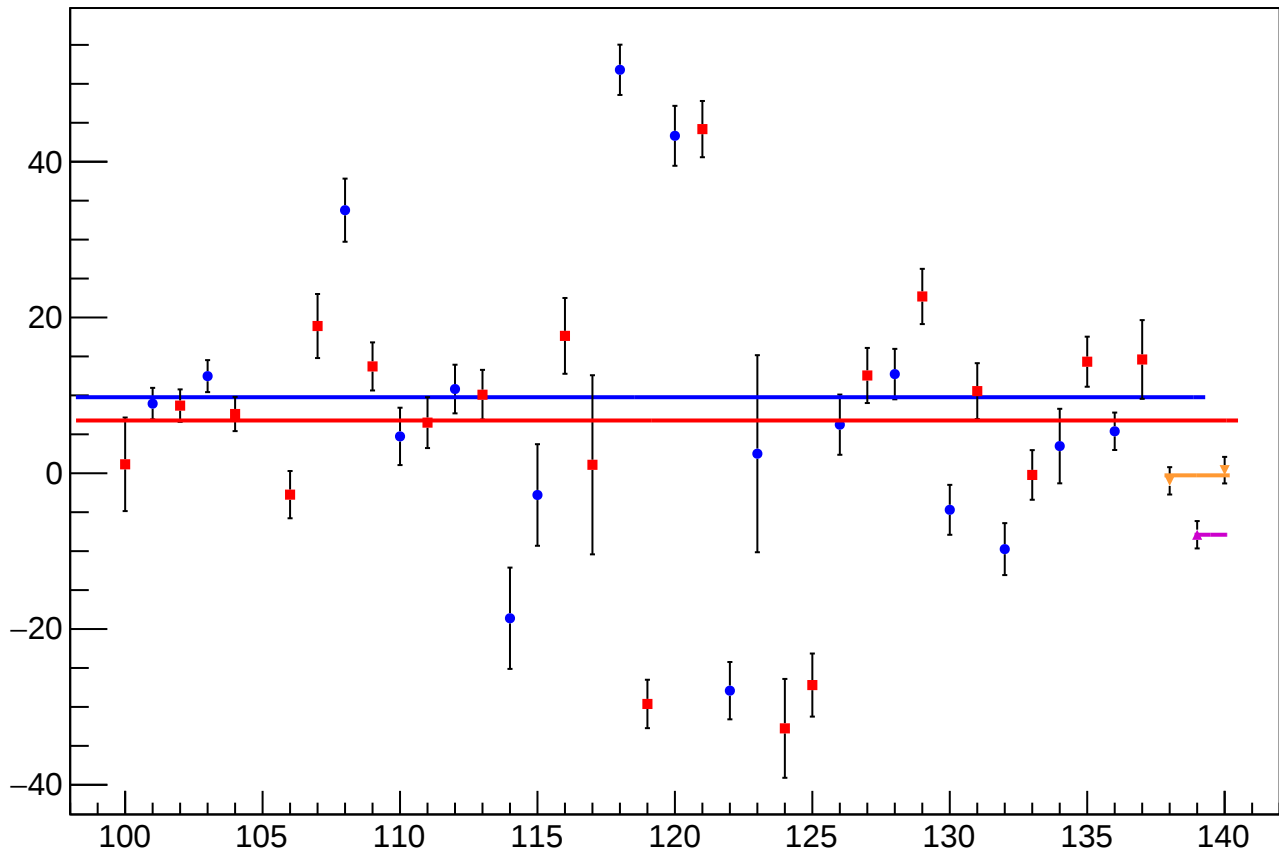
Left In: 6797.891+/-5.854 χ^2/NDF : 0.0/0

6281.950+/-1.557 χ^2/NDF : 186253.2/18

6188.365+/-1.098 χ^2/NDF : 367512.1/39

6095.766+/-1.548 χ^2/NDF : 174068.0/20

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.764 $\pm$ 0.797 χ^2 /NDF: 473.8/16

Left Out: -0.266 $\pm$ 1.223 χ^2 /NDF: 0.3/1

Right Out: 6.776 $\pm$ 0.763 χ^2 /NDF: 422.1/19

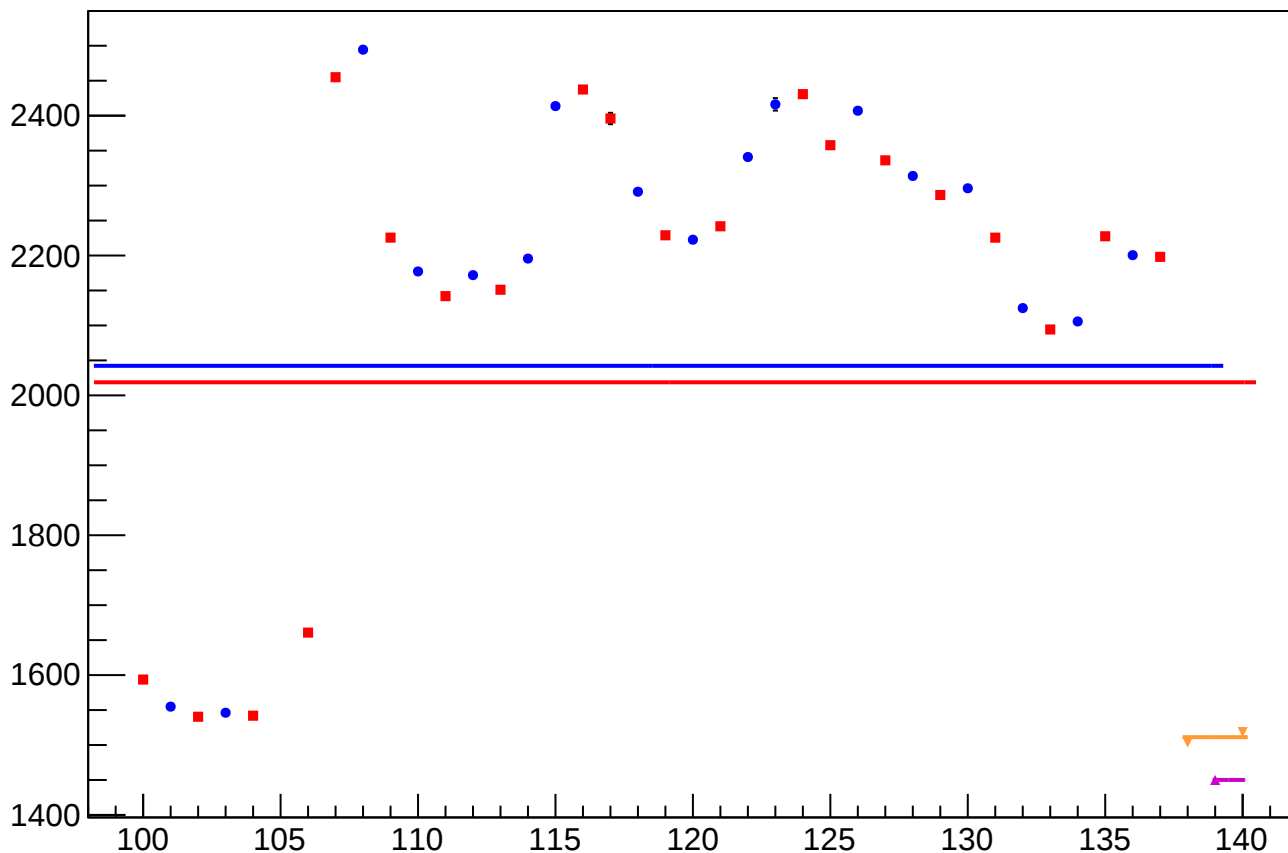
Left In: -7.894 $\pm$ 1.758 χ^2 /NDF: 0.0/0

6.776 $\pm$ 0.668 χ^2 /NDF: 521.3/18

5.668 $\pm$ 0.483 χ^2 /NDF: 1007.7/39

4.450 $\pm$ 0.700 χ^2 /NDF: 480.7/20

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2042.269 $\pm$ 0.563 χ^2 /NDF: 356820.1/16

Left Out: 1511.227 $\pm$ 0.865 χ^2 /NDF: 73.2/1

Right Out: 2018.694 $\pm$ 0.540 χ^2 /NDF: 377792.4/19

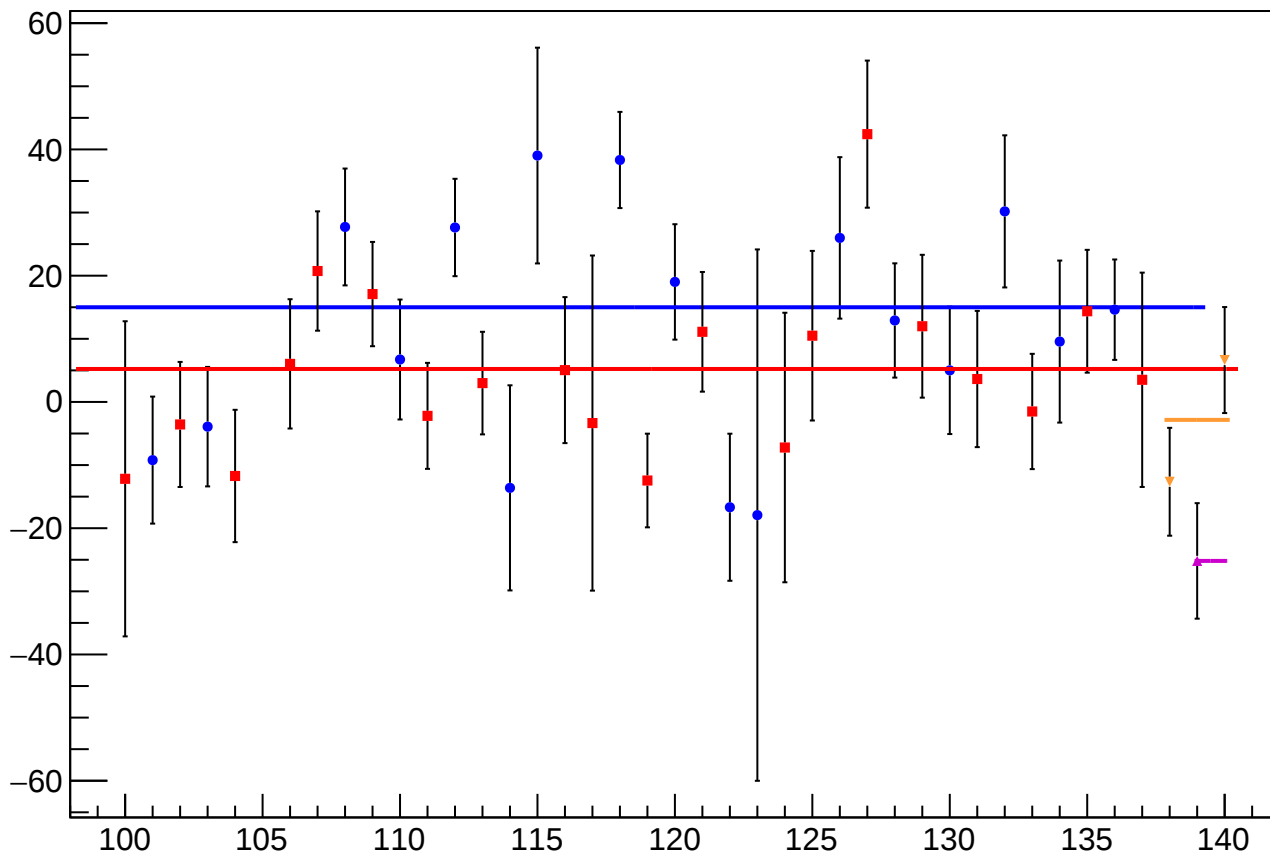
Left In: 1450.075 $\pm$ 1.243 χ^2 /NDF: 0.0/0

1884.068 $\pm$ 0.472 χ^2 /NDF: 621511.9/18

1905.256 $\pm$ 0.342 χ^2 /NDF: 1179603.1/39

1928.543 $\pm$ 0.495 χ^2 /NDF: 553863.6/20

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.997 $\pm$ 2.485 χ^2 /NDF: 41.3/16

Left Out: -2.838 $\pm$ 5.988 χ^2 /NDF: 2.6/1

Right Out: 5.223 $\pm$ 2.348 χ^2 /NDF: 28.2/19

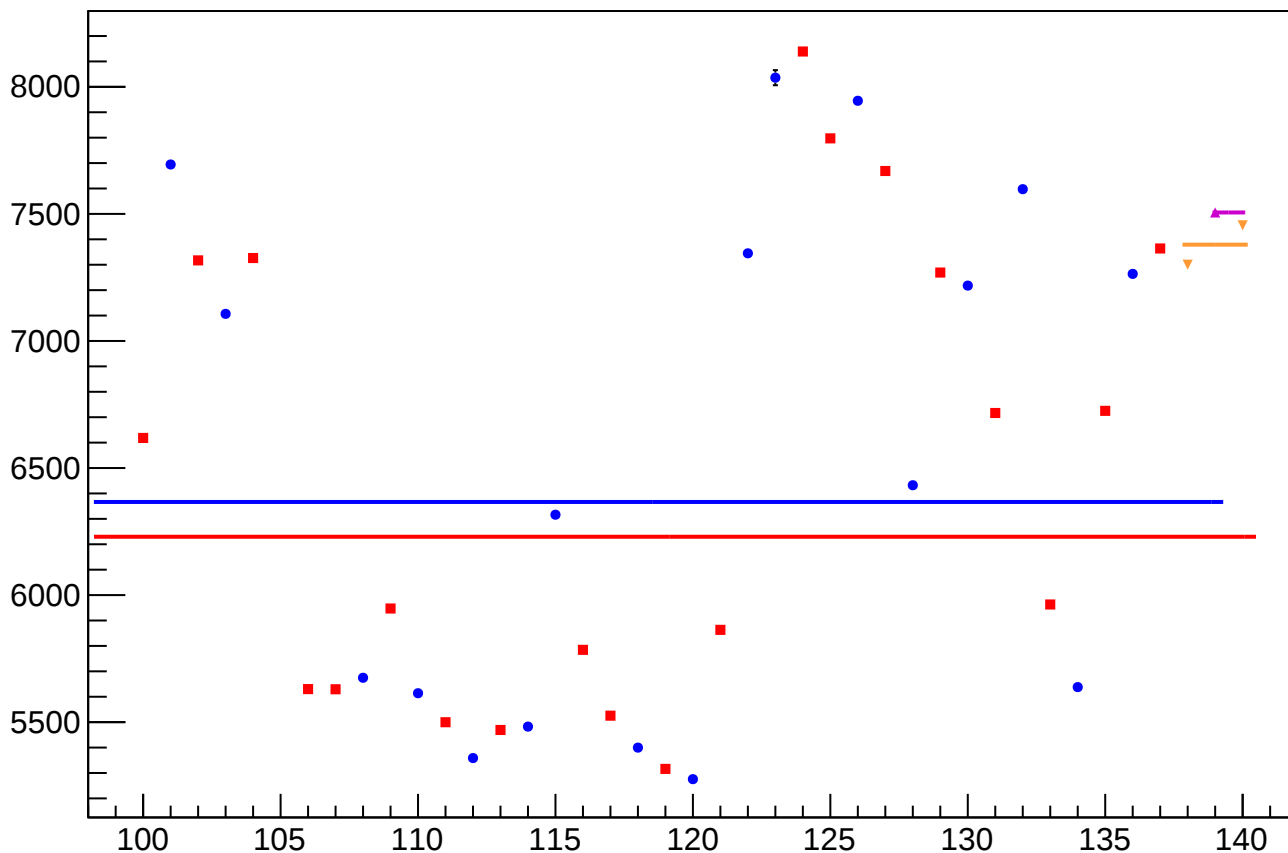
Left In: -25.180 $\pm$ 9.150 χ^2 /NDF: 0.0/0

12.376 $\pm$ 2.295 χ^2 /NDF: 51.5/18

7.819 $\pm$ 1.616 χ^2 /NDF: 97.8/39

3.345 $\pm$ 2.274 χ^2 /NDF: 38.5/20

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6366.491+/-1.757 χ^2/NDF : 286494.5/16

Left Out: 7378.956+/-4.234 χ^2/NDF : 334.1/1

Right Out: 6229.625+/-1.660 χ^2/NDF : 244622.7/19

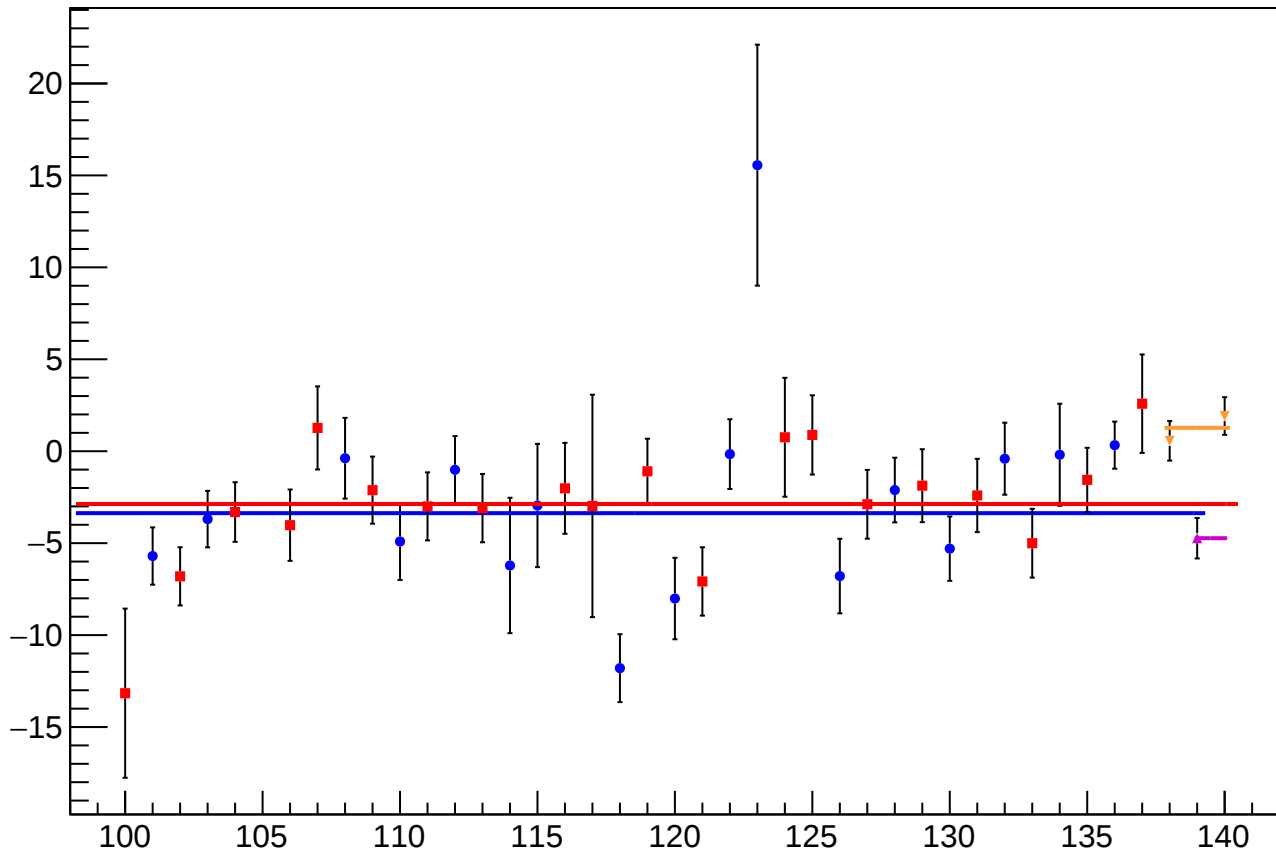
Left In: 7505.659+/-6.470 χ^2/NDF : 0.0/0

6515.259+/-1.623 χ^2/NDF : 335599.5/18

6410.912+/-1.142 χ^2/NDF : 624904.8/39

6308.467+/-1.608 χ^2/NDF : 281114.9/20

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.368 ± 0.476 χ^2/NDF : 59.9/16

Left Out: 1.273 ± 0.742 χ^2/NDF : 0.8/1

Right Out: -2.871 ± 0.455 χ^2/NDF : 32.0/19

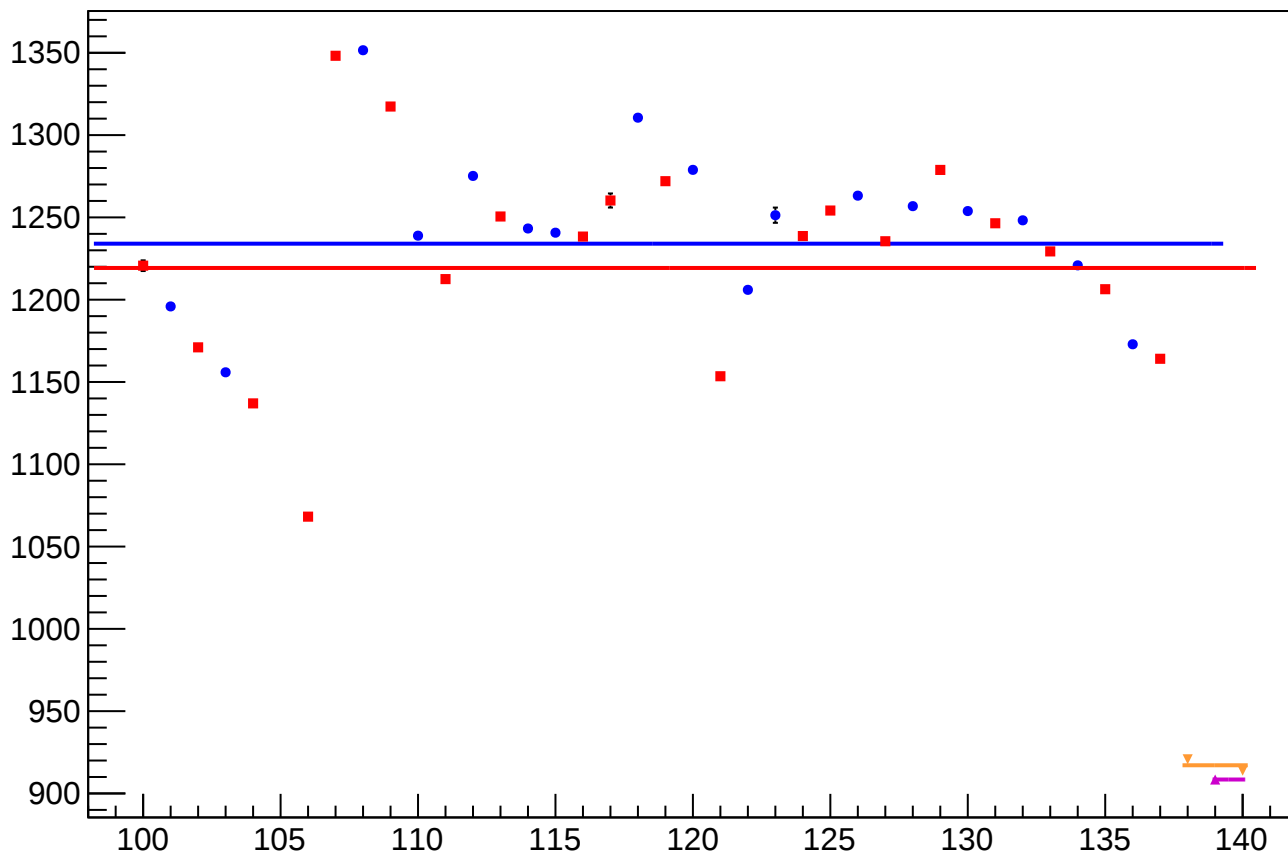
Left In: -4.731 ± 1.101 χ^2/NDF : 0.0/0

-2.016 ± 0.400 χ^2/NDF : 88.5/18

-2.551 ± 0.290 χ^2/NDF : 126.7/39

-3.143 ± 0.421 χ^2/NDF : 34.5/20

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1234.032 ± 0.336 χ^2/NDF : 23565.3/16

Left Out: 917.124 ± 0.524 χ^2/NDF : 43.2/1

Right Out: 1219.275 ± 0.322 χ^2/NDF : 40462.8/19

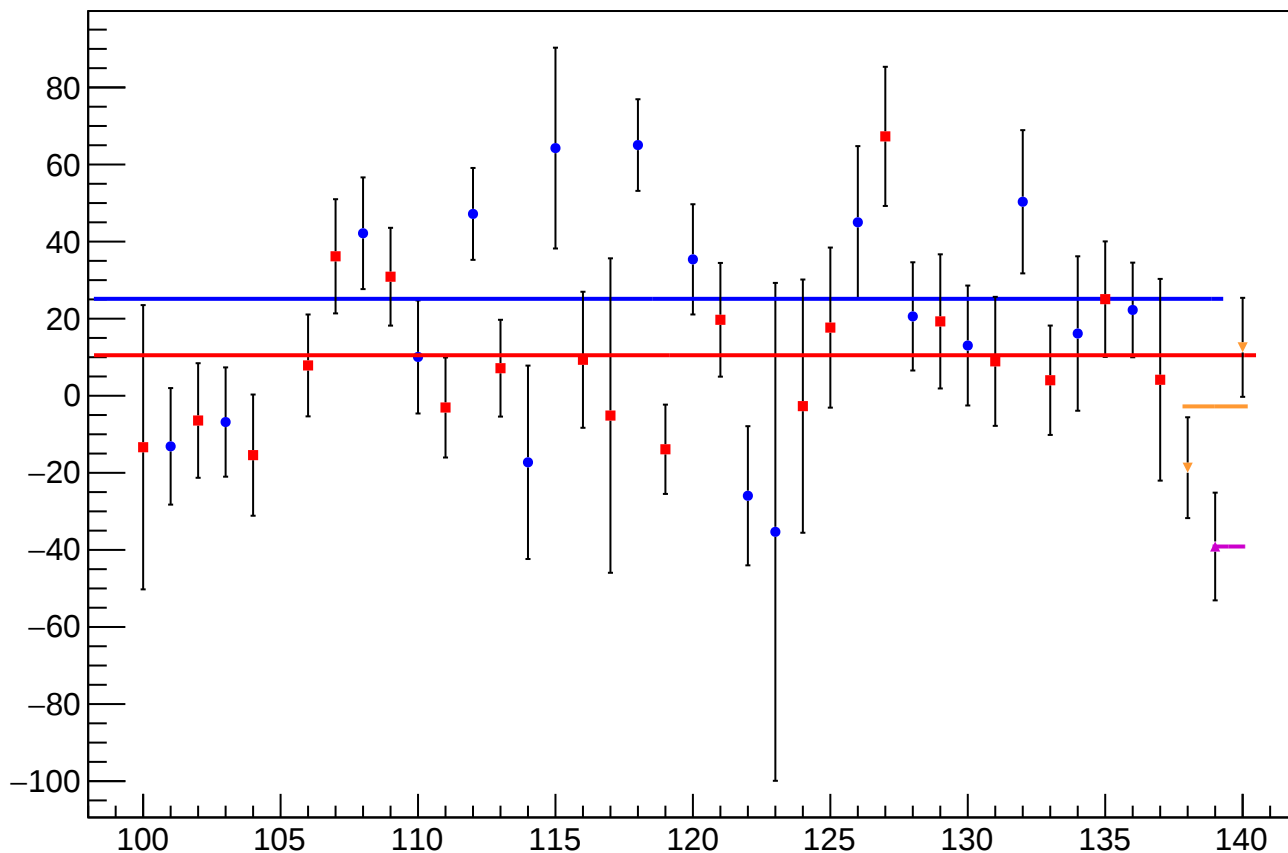
Left In: 908.465 ± 0.779 χ^2/NDF : 0.0/0

1141.688 ± 0.283 χ^2/NDF : 282445.5/18

1157.005 ± 0.205 χ^2/NDF : 465201.2/39

1173.916 ± 0.297 χ^2/NDF : 176594.1/20

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 25.149 $\pm$ 3.837 χ^2 /NDF: 46.9/16

Left Out: -2.764 $\pm$ 9.165 χ^2 /NDF: 2.9/1

Right Out: 10.513 $\pm$ 3.581 χ^2 /NDF: 27.8/19

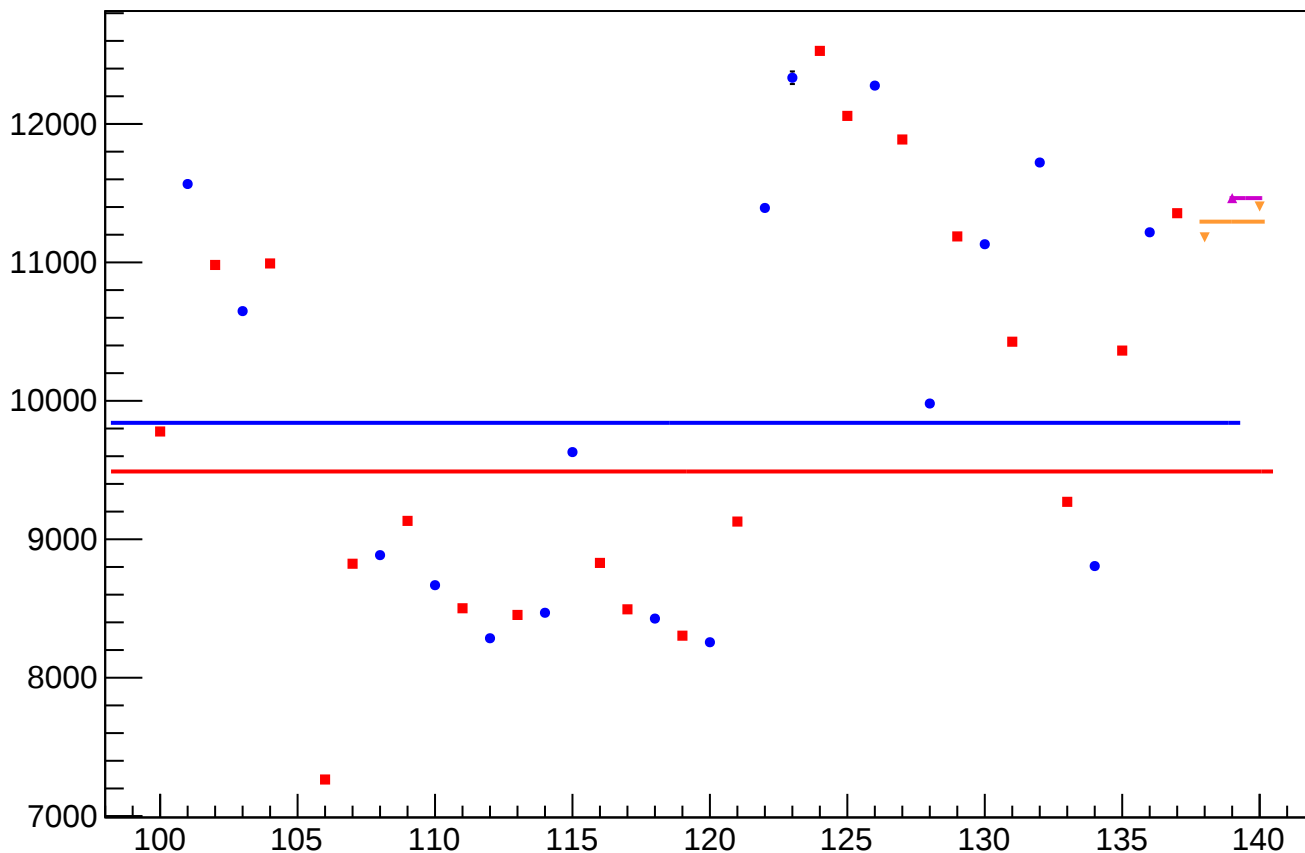
Left In: -39.120 $\pm$ 13.976 χ^2 /NDF: 0.0/0

20.986 $\pm$ 3.540 χ^2 /NDF: 57.7/18

14.084 $\pm$ 2.477 χ^2 /NDF: 104.9/39

7.455 $\pm$ 3.469 χ^2 /NDF: 39.7/20

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9841.174+/-2.713 χ^2/NDF : 260062.4/16

Left Out: 11294.394+/-6.481 χ^2/NDF : 296.0/1

Right Out: 9489.753+/-2.532 χ^2/NDF : 277900.5/19

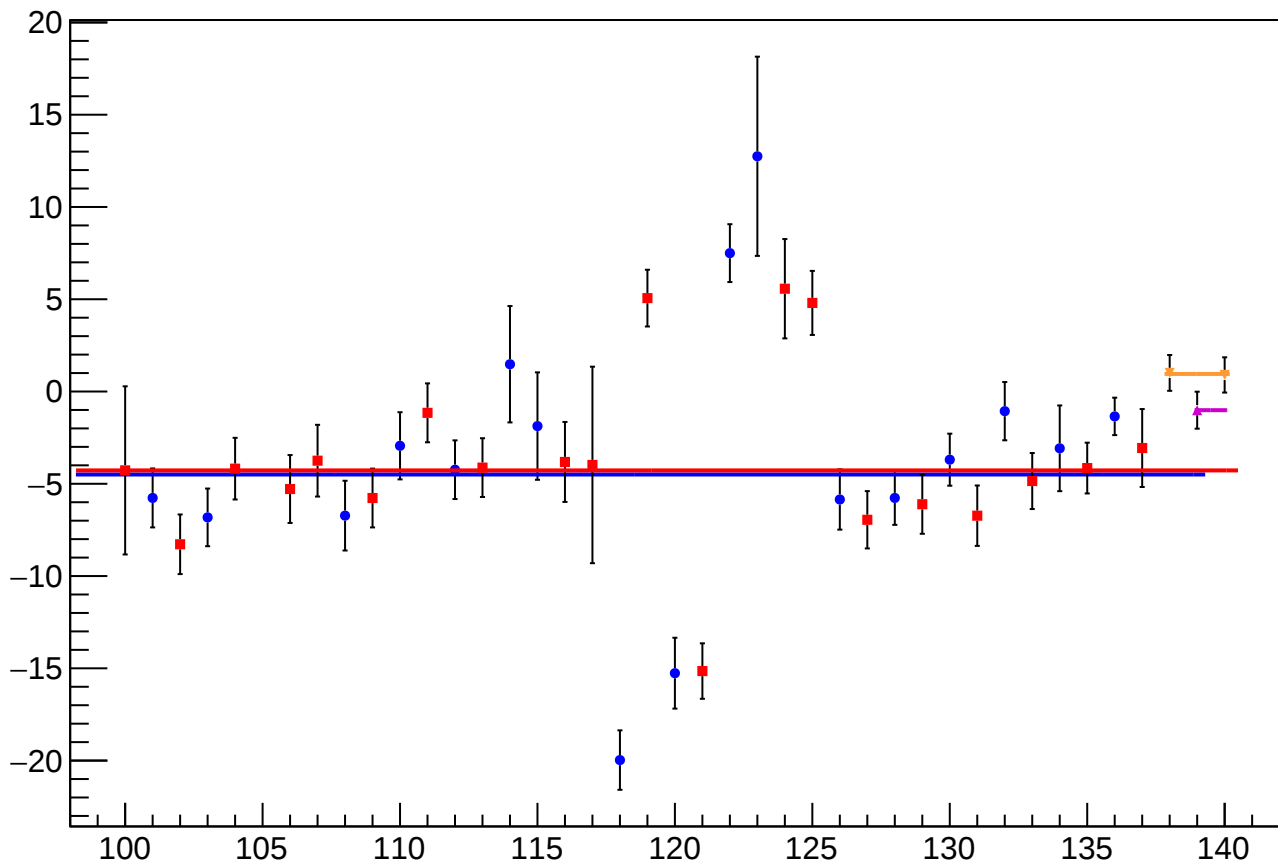
Left In: 11464.458+/-9.882 χ^2/NDF : 0.0/0

10057.938+/-2.503 χ^2/NDF : 303142.2/18

9830.152+/-1.752 χ^2/NDF : 634747.7/39

9611.396+/-2.453 χ^2/NDF : 315368.5/20

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.497 ± 0.408 χ^2/NDF : 218.4/16

Left Out: 0.952 ± 0.681 χ^2/NDF : 0.0/1

Right Out: -4.275 ± 0.393 χ^2/NDF : 148.2/19

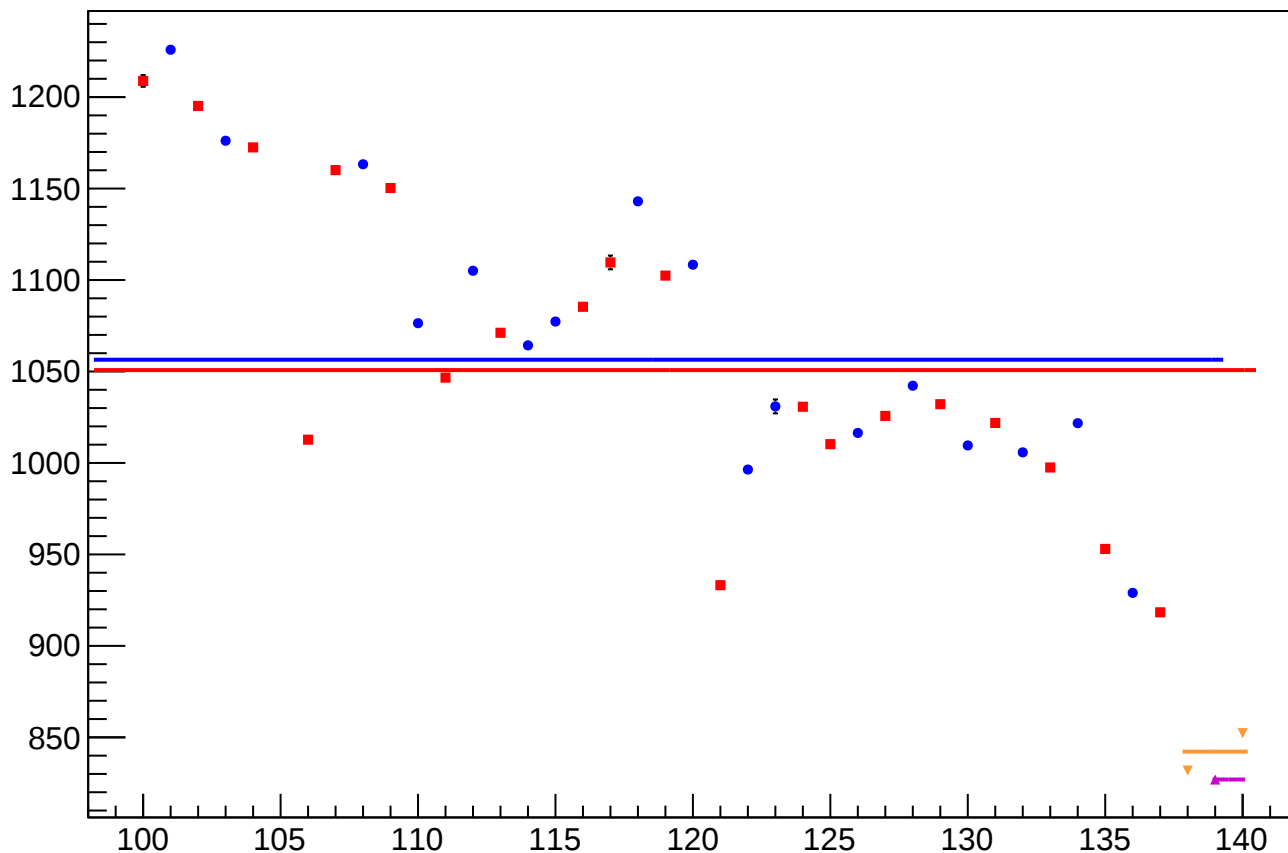
Left In: -1.012 ± 1.002 χ^2/NDF : 0.0/0

-3.055 ± 0.350 χ^2/NDF : 265.5/18

-3.431 ± 0.253 χ^2/NDF : 425.4/39

-3.841 ± 0.366 χ^2/NDF : 157.4/20

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1056.436 $\pm$ 0.289 χ^2 /NDF: 90773.0/16

Left Out: 842.216 $\pm$ 0.481 χ^2 /NDF: 450.4/1

Right Out: 1050.765 $\pm$ 0.278 χ^2 /NDF: 82642.2/19

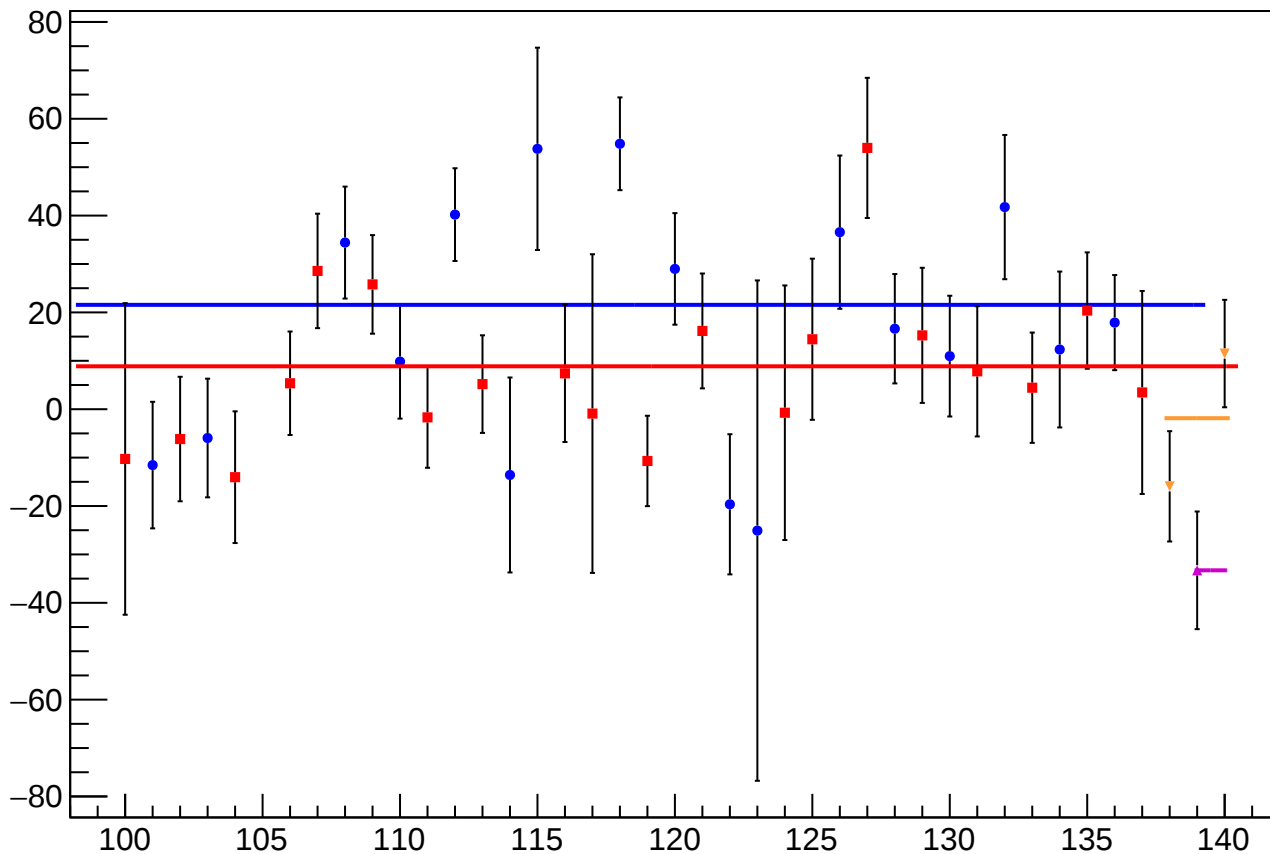
Left In: 826.959 $\pm$ 0.709 χ^2 /NDF: 0.0/0

999.768 $\pm$ 0.248 χ^2 /NDF: 236955.5/18

1009.900 $\pm$ 0.179 χ^2 /NDF: 409554.3/39

1020.961 $\pm$ 0.259 χ^2 /NDF: 169093.9/20

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.561 $\pm$ 3.110 χ^2 /NDF: 48.4/16

Left Out: -1.851 $\pm$ 7.950 χ^2 /NDF: 3.0/1

Right Out: 8.867 $\pm$ 2.901 χ^2 /NDF: 27.5/19

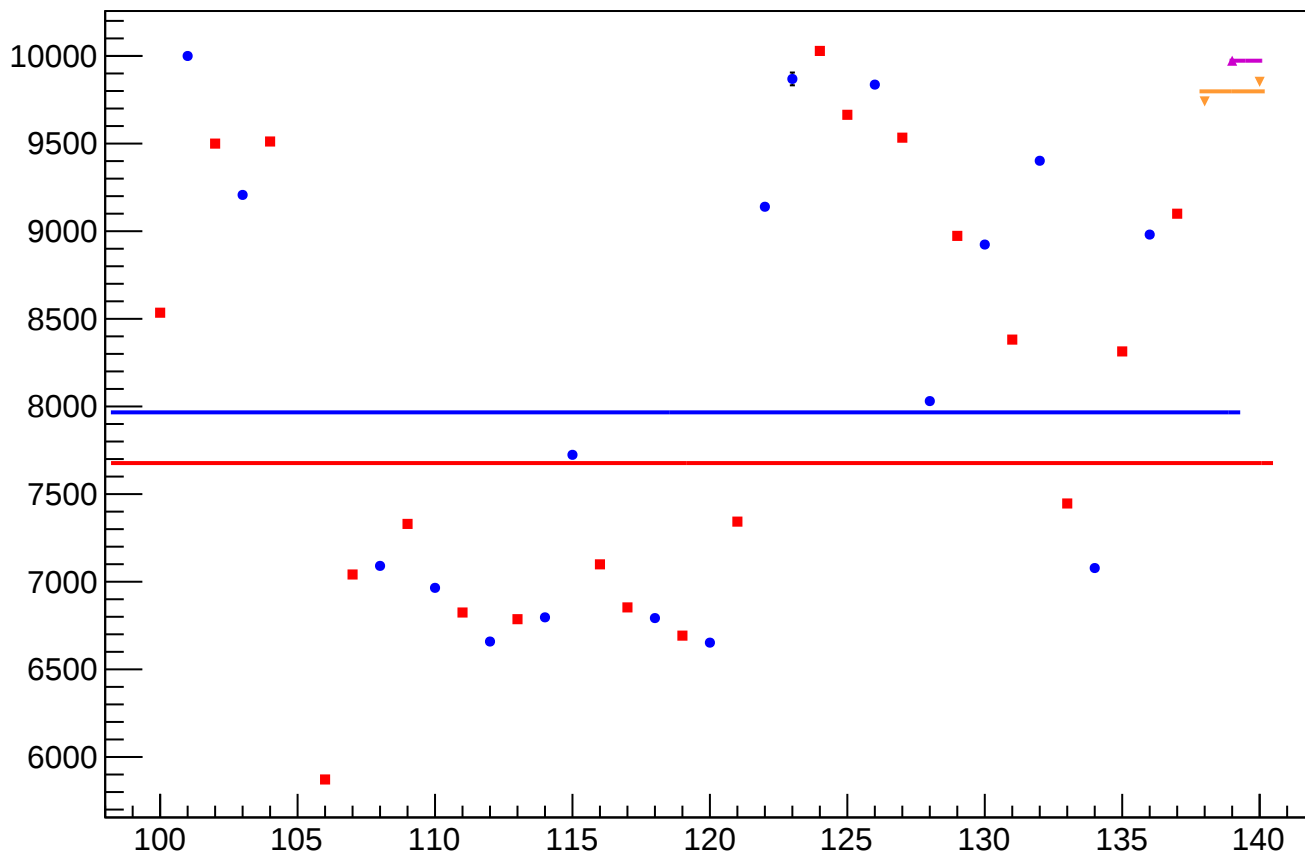
Left In: -33.285 $\pm$ 12.155 χ^2 /NDF: 0.0/0

18.453 $\pm$ 2.897 χ^2 /NDF: 58.9/18

12.368 $\pm$ 2.021 χ^2 /NDF: 106.4/39

6.596 $\pm$ 2.821 χ^2 /NDF: 38.9/20

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7966.405 $\pm$ 2.199 χ^2 /NDF: 296611.1/16

Left Out: 9797.964 $\pm$ 5.621 χ^2 /NDF:99.0/1

Right Out: 7677.035 $\pm$ 2.051 χ^2 /NDF: 316295.2/19

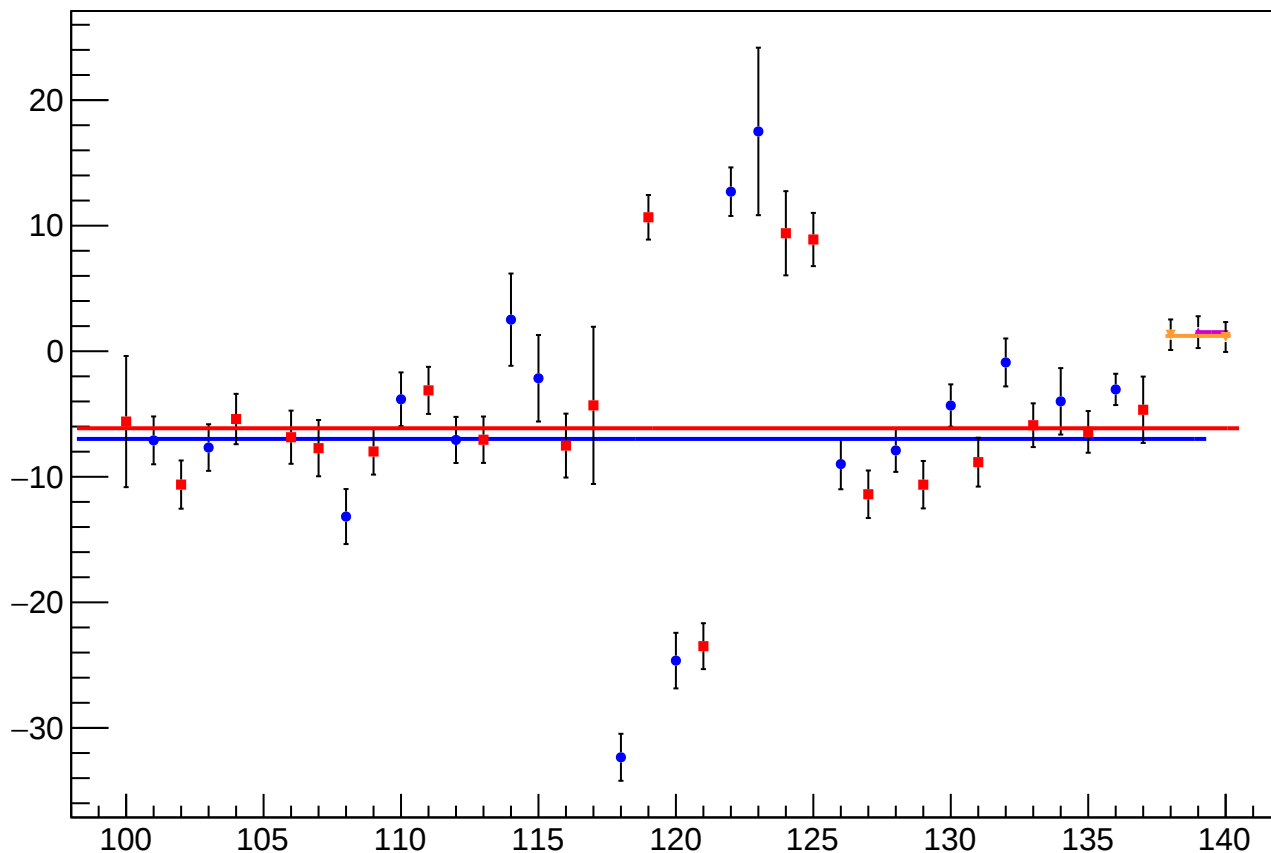
Left In: 9972.849 $\pm$ 8.595 χ^2 /NDF:0.0/0

8209.545 $\pm$ 2.048 χ^2 /NDF: 388773.6/18

7999.760 $\pm$ 1.429 χ^2 /NDF: 793022.1/39

7800.731 $\pm$ 1.995 χ^2 /NDF: 383804.5/20

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.984 ± 0.486 χ^2/NDF : 408.5/16

Left Out: 1.223 ± 0.851 χ^2/NDF : 0.0/1

Right Out: -6.135 ± 0.465 χ^2/NDF : 277.6/19

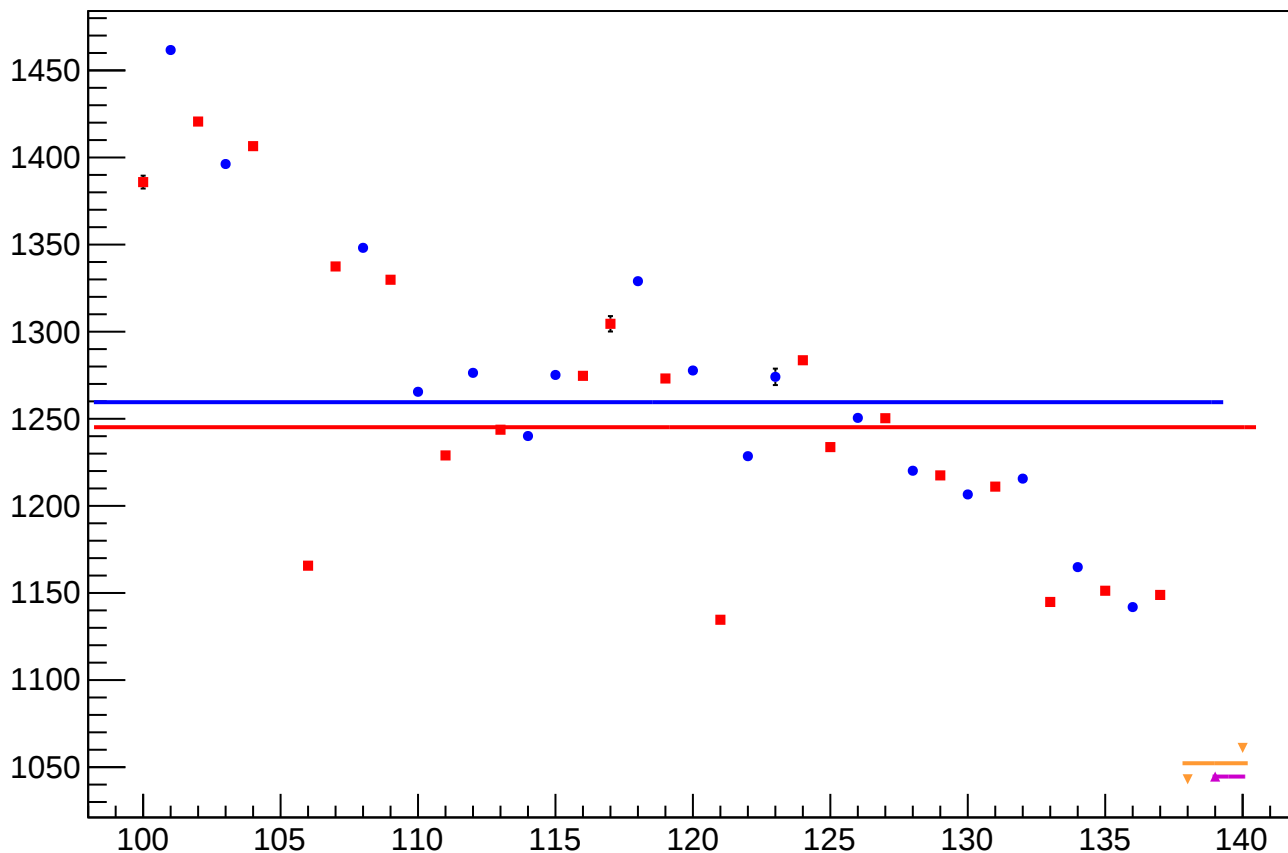
Left In: 1.519 ± 1.267 χ^2/NDF : 0.0/0

-4.963 ± 0.422 χ^2/NDF : 478.7/18

-5.090 ± 0.304 χ^2/NDF : 788.6/39

-5.225 ± 0.437 χ^2/NDF : 309.7/20

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1259.531 $\pm$ 0.344 χ^2 /NDF: 64844.4/16

Left Out: 1052.249 $\pm$ 0.602 χ^2 /NDF:224.2/1

Right Out: 1245.167 $\pm$ 0.329 χ^2 /NDF: 67006.8/19

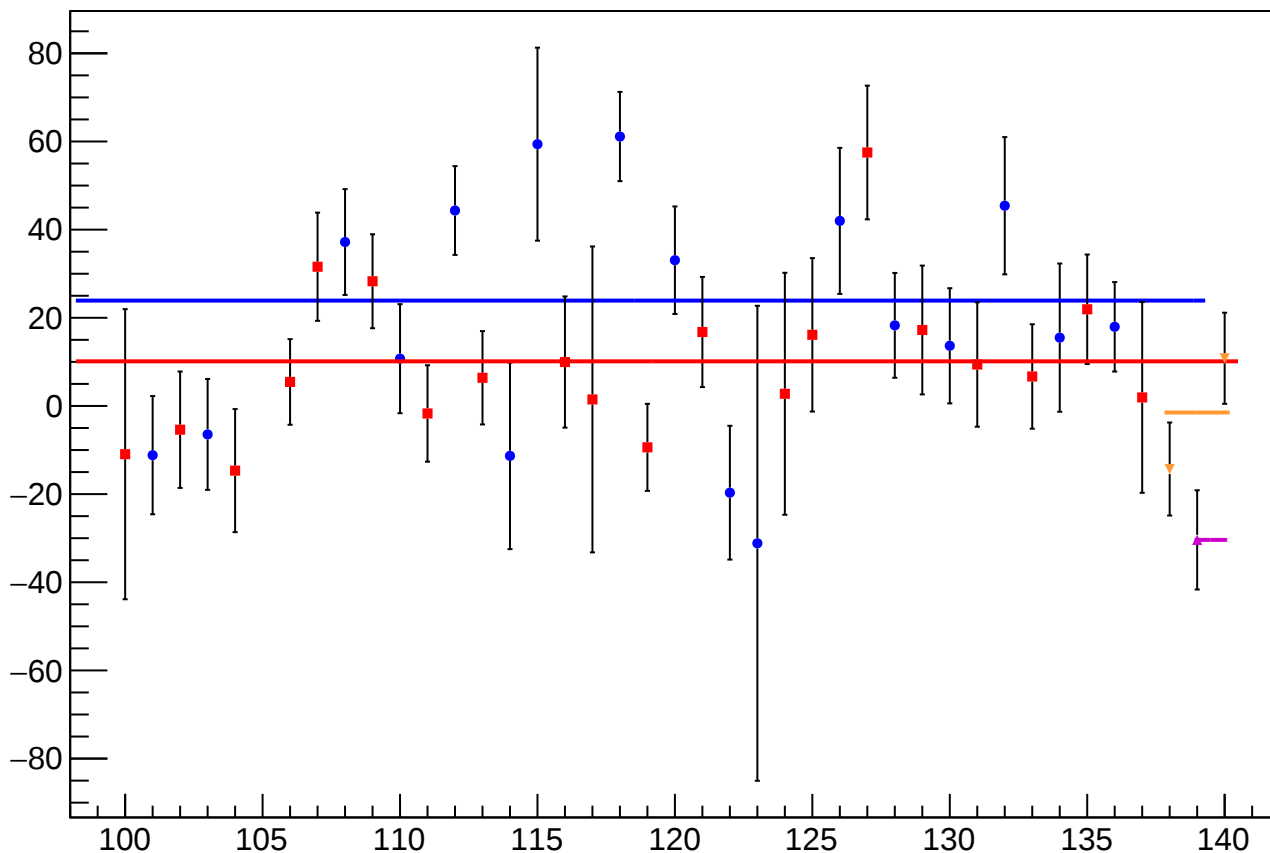
Left In: 1044.604 $\pm$ 0.896 χ^2 /NDF:0.0/0

1208.496 $\pm$ 0.298 χ^2 /NDF: 154576.9/18

1214.691 $\pm$ 0.215 χ^2 /NDF: 266633.6/39

1221.327 $\pm$ 0.309 χ^2 /NDF: 111164.4/20

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.904 $\pm$ 3.251 χ^2 /NDF: 52.4/16

Left Out: -1.486 $\pm$ 7.382 χ^2 /NDF: 2.9/1

Right Out: 10.125 $\pm$ 2.994 χ^2 /NDF: 28.0/19

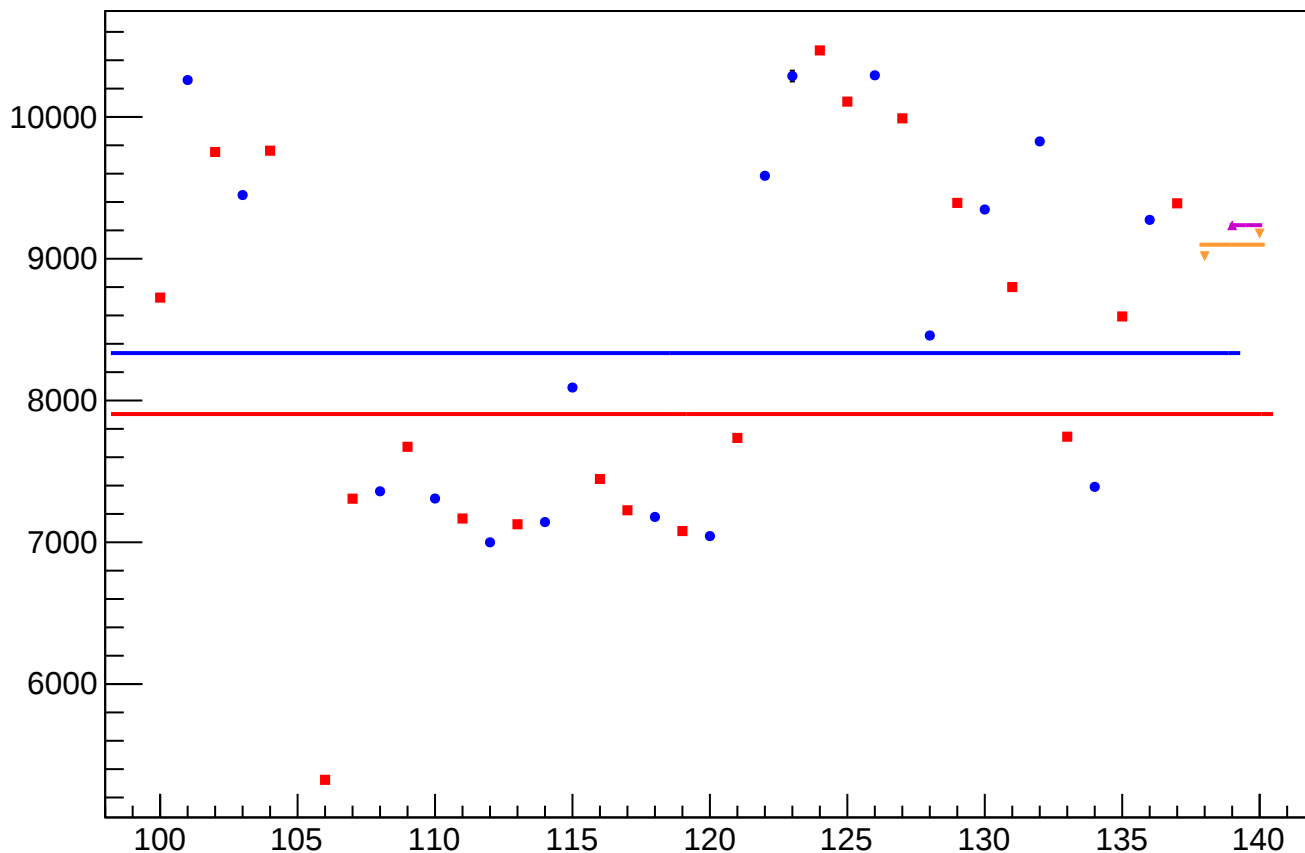
Left In: -30.386 $\pm$ 11.258 χ^2 /NDF: 0.0/0

19.781 $\pm$ 2.975 χ^2 /NDF: 65.2/18

13.444 $\pm$ 2.074 χ^2 /NDF: 114.2/39

7.448 $\pm$ 2.894 χ^2 /NDF: 40.1/20

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8334.507 $\pm$ 2.299 χ^2 /NDF: 272302.6/16

Left Out: 9098.850 $\pm$ 5.220 χ^2 /NDF:235.5/1

Right Out: 7904.529 $\pm$ 2.117 χ^2 /NDF: 391589.9/19

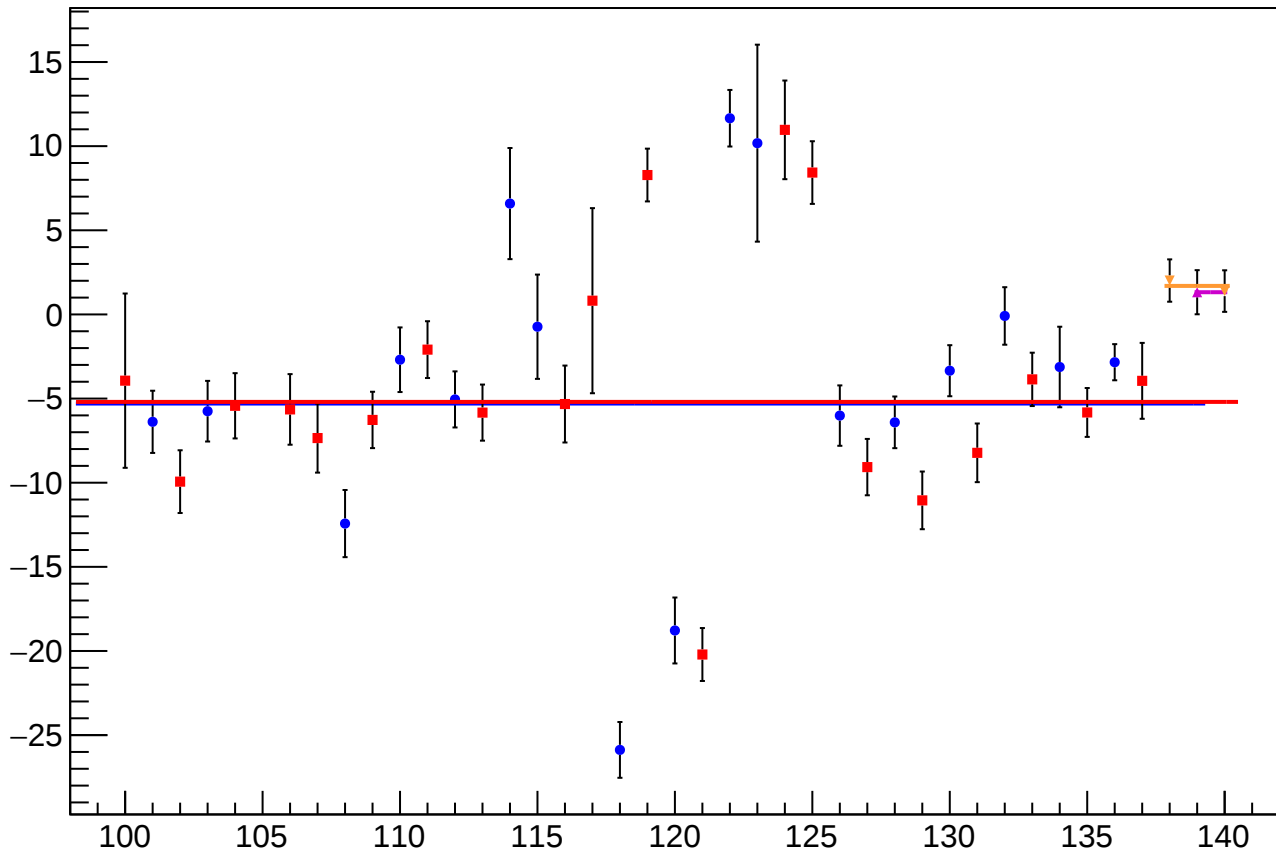
Left In: 9236.776 $\pm$ 7.961 χ^2 /NDF:0.0/0

8458.632 $\pm$ 2.104 χ^2 /NDF: 290496.1/18

8219.143 $\pm$ 1.467 χ^2 /NDF: 733466.6/39

7992.547 $\pm$ 2.046 χ^2 /NDF: 417746.1/20

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.295 ± 0.437 χ^2/NDF : 358.1/16

Left Out: 1.695 ± 0.881 χ^2/NDF : 0.1/1

Right Out: -5.198 ± 0.420 χ^2/NDF : 283.1/19

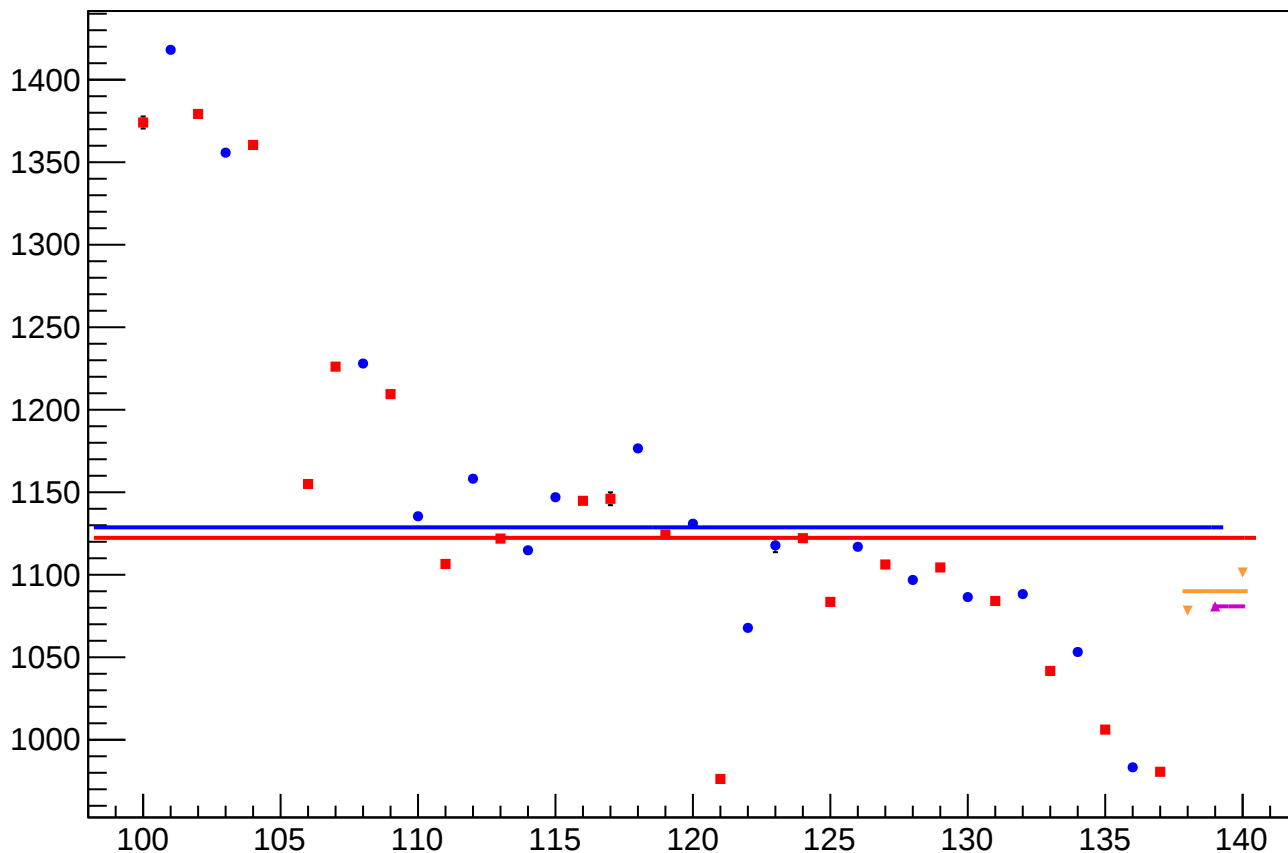
Left In: 1.320 ± 1.311 χ^2/NDF : 0.0/0

-3.916 ± 0.391 χ^2/NDF : 408.8/18

-4.245 ± 0.280 χ^2/NDF : 715.7/39

-4.590 ± 0.400 χ^2/NDF : 305.5/20

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1128.740 $\pm$ 0.309 χ^2 /NDF: 133096.9/16

Left Out: 1090.029 $\pm$ 0.623 χ^2 /NDF:342.9/1

Right Out: 1122.377 $\pm$ 0.297 χ^2 /NDF: 129638.9/19

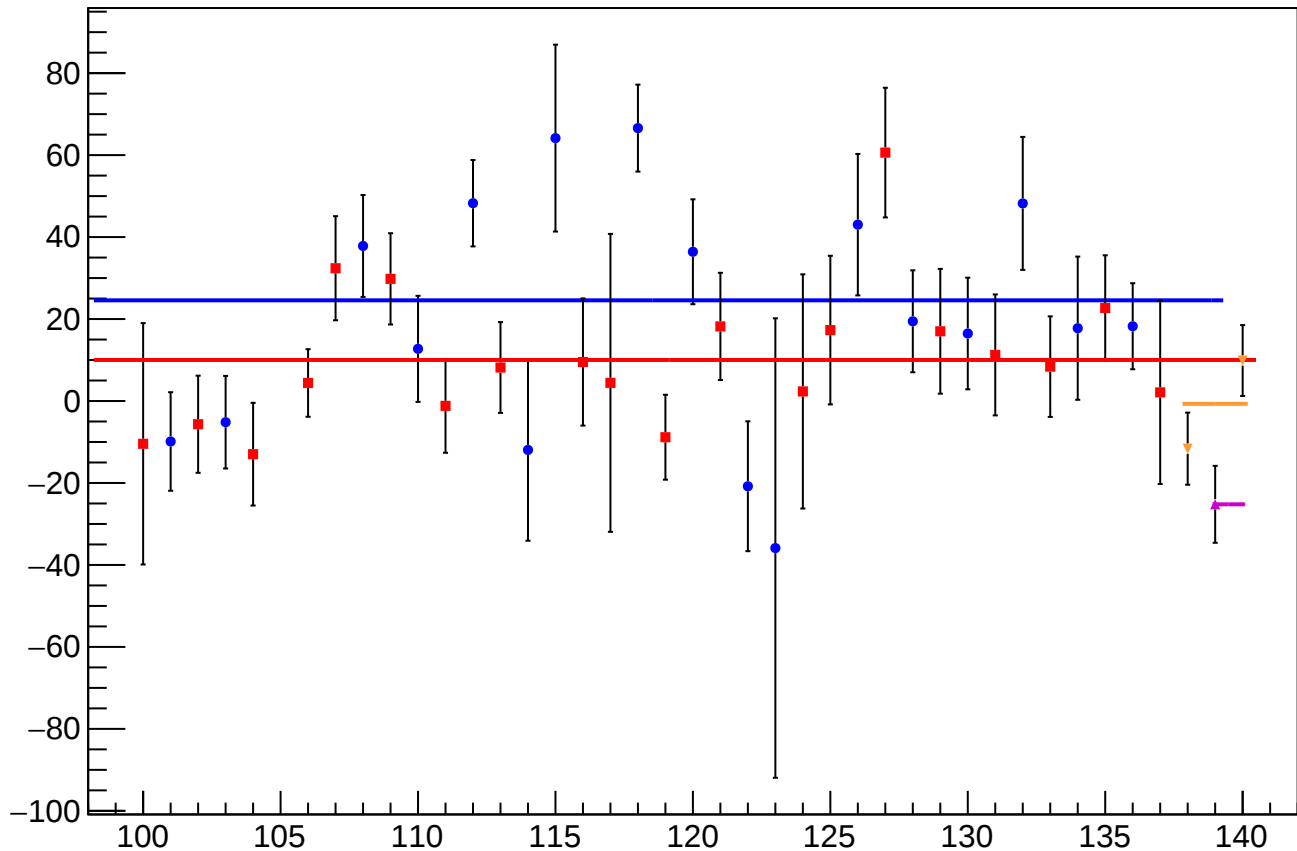
Left In: 1080.854 $\pm$ 0.927 χ^2 /NDF:0.0/0

1121.104 $\pm$ 0.277 χ^2 /NDF: 136537.9/18

1119.834 $\pm$ 0.198 χ^2 /NDF: 268039.2/39

1118.505 $\pm$ 0.283 χ^2 /NDF: 131458.2/20

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.569+/-3.318 χ^2/NDF : 58.1/16

Left Out: -0.690+/-6.167 χ^2/NDF : 3.0/1

Right Out: 10.019+/-2.997 χ^2/NDF : 28.8/19

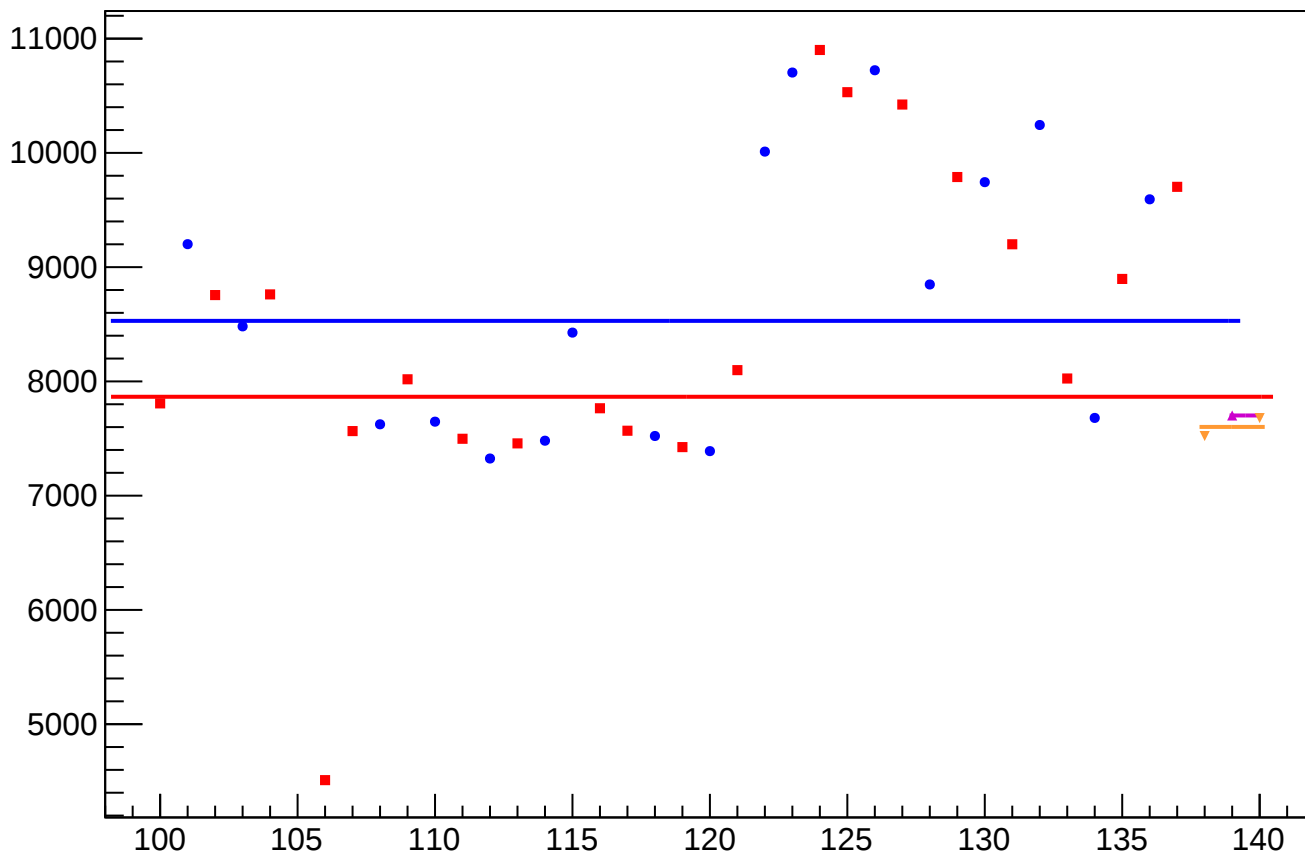
Left In: -25.207+/-9.387 χ^2/NDF : 0.0/0

18.898+/-2.922 χ^2/NDF : 74.2/18

12.688+/-2.042 χ^2/NDF : 124.6/39

6.759+/-2.855 χ^2/NDF : 41.6/20

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8529.821+/-2.346 χ^2/NDF : 208336.1/16

Left Out: 7601.637+/-4.361 χ^2/NDF : 324.2/1

Right Out: 7865.549+/-2.119 χ^2/NDF : 555976.4/19

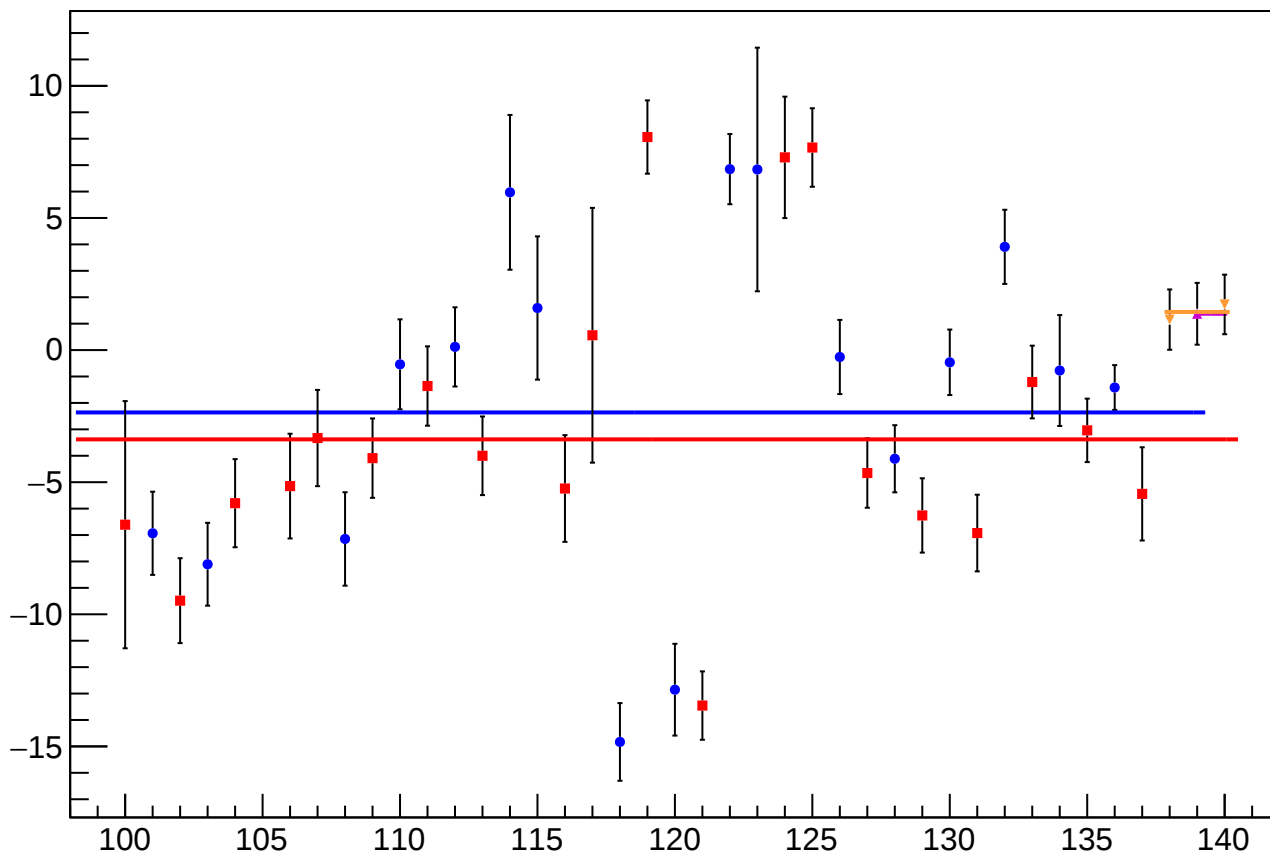
Left In: 7701.817+/-6.638 χ^2/NDF : 0.0/0

8321.424+/-2.066 χ^2/NDF : 243792.4/18

8080.464+/-1.444 χ^2/NDF : 826903.6/39

7850.400+/-2.019 χ^2/NDF : 556528.5/20

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.360 ± 0.366 χ^2/NDF : 232.0/16

Left Out: 1.444 ± 0.802 χ^2/NDF : 0.1/1

Right Out: -3.379 ± 0.357 χ^2/NDF : 242.1/19

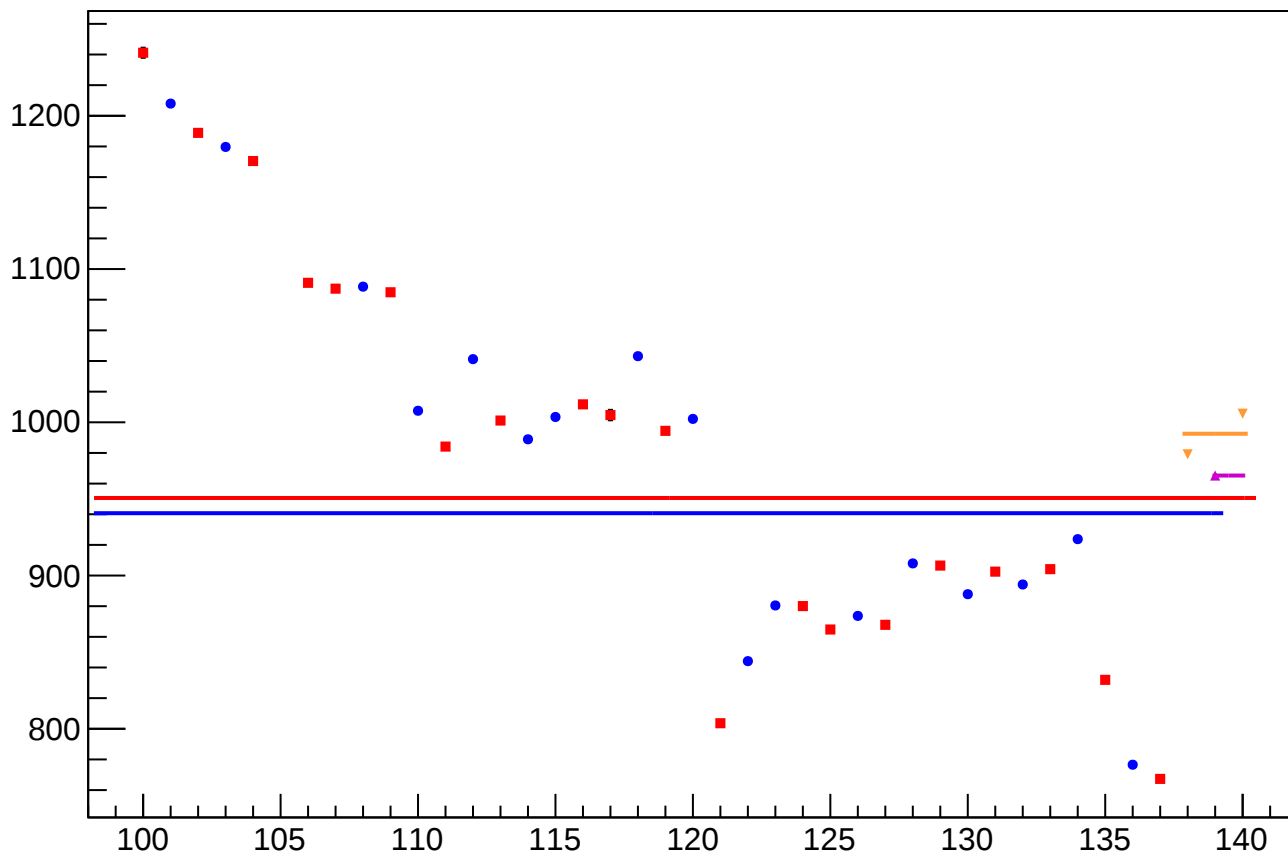
Left In: 1.374 ± 1.170 χ^2/NDF : 0.0/0

-1.706 ± 0.333 χ^2/NDF : 250.7/18

-2.323 ± 0.238 χ^2/NDF : 515.0/39

-2.974 ± 0.342 χ^2/NDF : 257.2/20

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 940.683 $\pm$ 0.258 χ^2 /NDF: 241768.4/16

Left Out: 992.531 $\pm$ 0.567 χ^2 /NDF: 546.2/1

Right Out: 950.615 $\pm$ 0.253 χ^2 /NDF: 220931.3/19

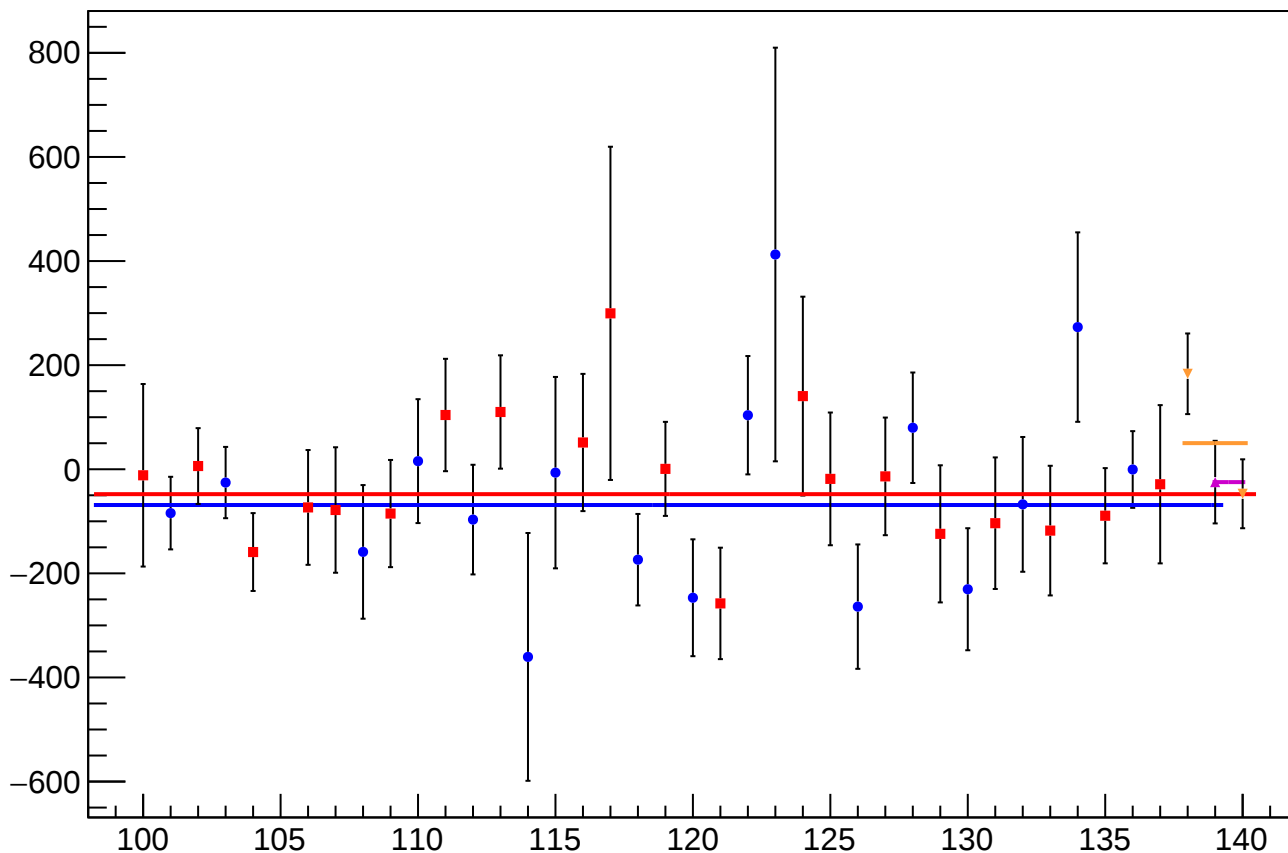
Left In: 965.260 $\pm$ 0.827 χ^2 /NDF: 0.0/0

949.597 $\pm$ 0.235 χ^2 /NDF: 249232.0/18

950.700 $\pm$ 0.169 χ^2 /NDF: 470495.3/39

951.864 $\pm$ 0.242 χ^2 /NDF: 221218.0/20

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -68.688 $\pm$ 25.946 χ^2/NDF : 21.8/16

Left Out: 50.198 $\pm$ 50.328 χ^2/NDF : 5.1/1

Right Out: -47.835 $\pm$ 24.944 χ^2/NDF : 15.2/19

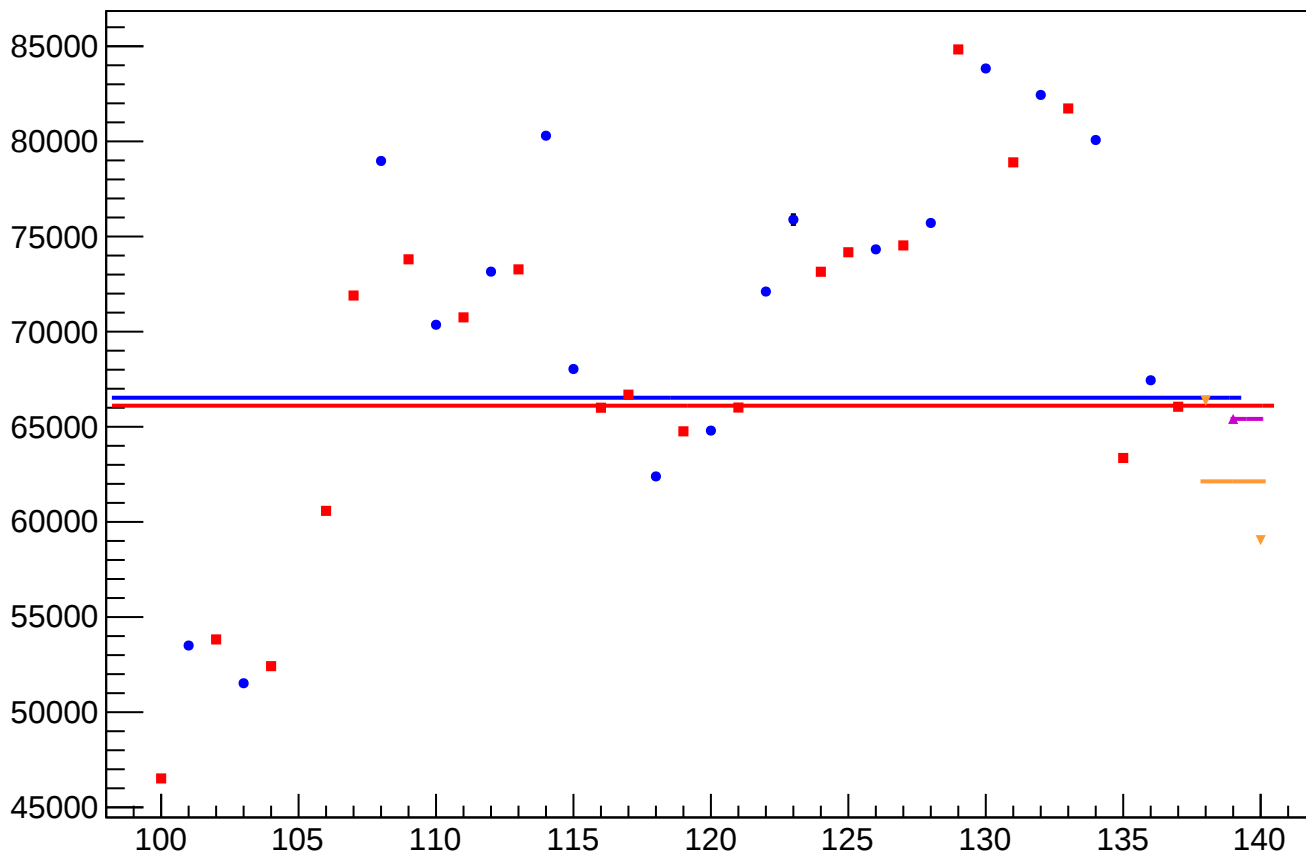
Left In: -24.700 $\pm$ 79.351 χ^2/NDF : 0.0/0

-43.726 $\pm$ 23.062 χ^2/NDF : 31.3/18

-44.709 $\pm$ 16.560 χ^2/NDF : 46.6/39

-45.755 $\pm$ 23.796 χ^2/NDF : 15.3/20

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66527.251+/-18.347 χ^2/NDF : 320887.2/16

Left Out: 62131.721+/-35.587 χ^2/NDF : 10328.8/1

Right Out: 66109.383+/-17.638 χ^2/NDF : 298491.9/19

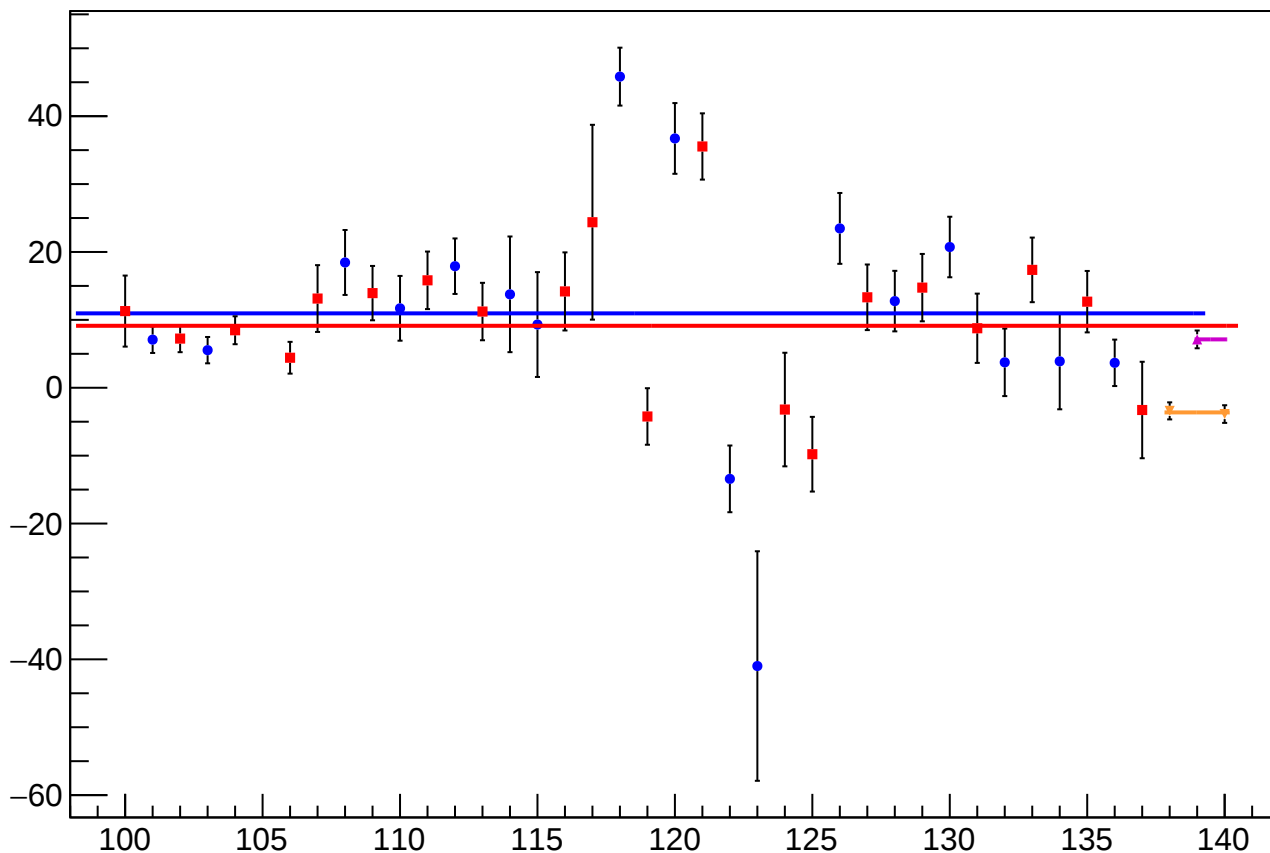
Left In: 65414.671+/-56.110 χ^2/NDF : 0.0/0

65604.316+/-16.307 χ^2/NDF : 343268.4/18

65818.683+/-11.710 χ^2/NDF : 642256.7/3

66046.911+/-16.826 χ^2/NDF : 298631.4/20

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.958 $\pm$ 0.943 χ^2 /NDF: 160.9/16

Left Out: -3.632 $\pm$ 0.904 χ^2 /NDF: 0.1/1

Right Out: 9.127 $\pm$ 0.865 χ^2 /NDF: 74.2/19

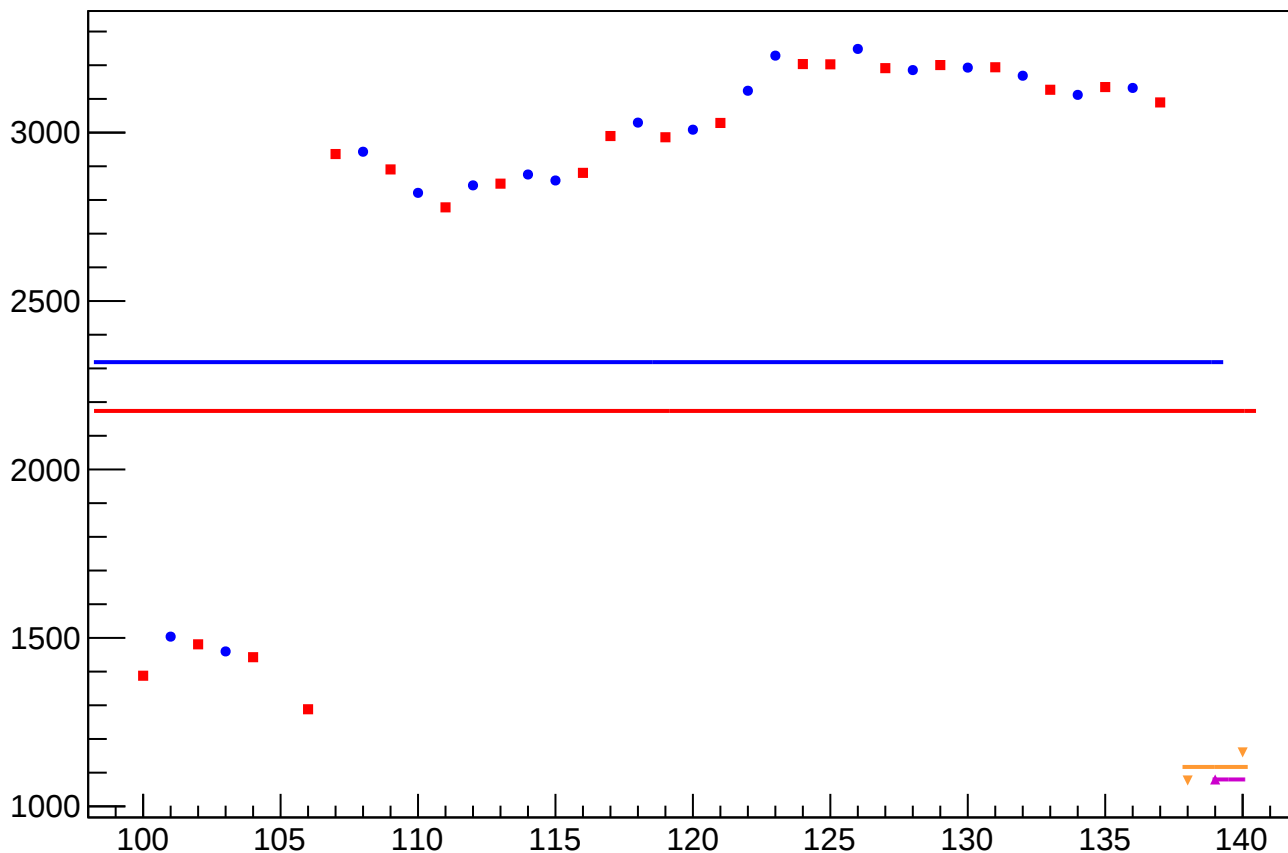
Left In: 7.124 $\pm$ 1.310 χ^2 /NDF: 0.0/0

3.351 $\pm$ 0.653 χ^2 /NDF: 285.8/18

5.676 $\pm$ 0.484 χ^2 /NDF: 389.8/39

8.519 $\pm$ 0.722 χ^2 /NDF: 75.9/20

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2318.624+/-0.667 χ^2/NDF : 1408300.4/16

Left Out: 1116.962+/-0.639 χ^2/NDF : 4250.8/1

Right Out: 2173.762+/-0.611 χ^2/NDF : 1760181.2/19

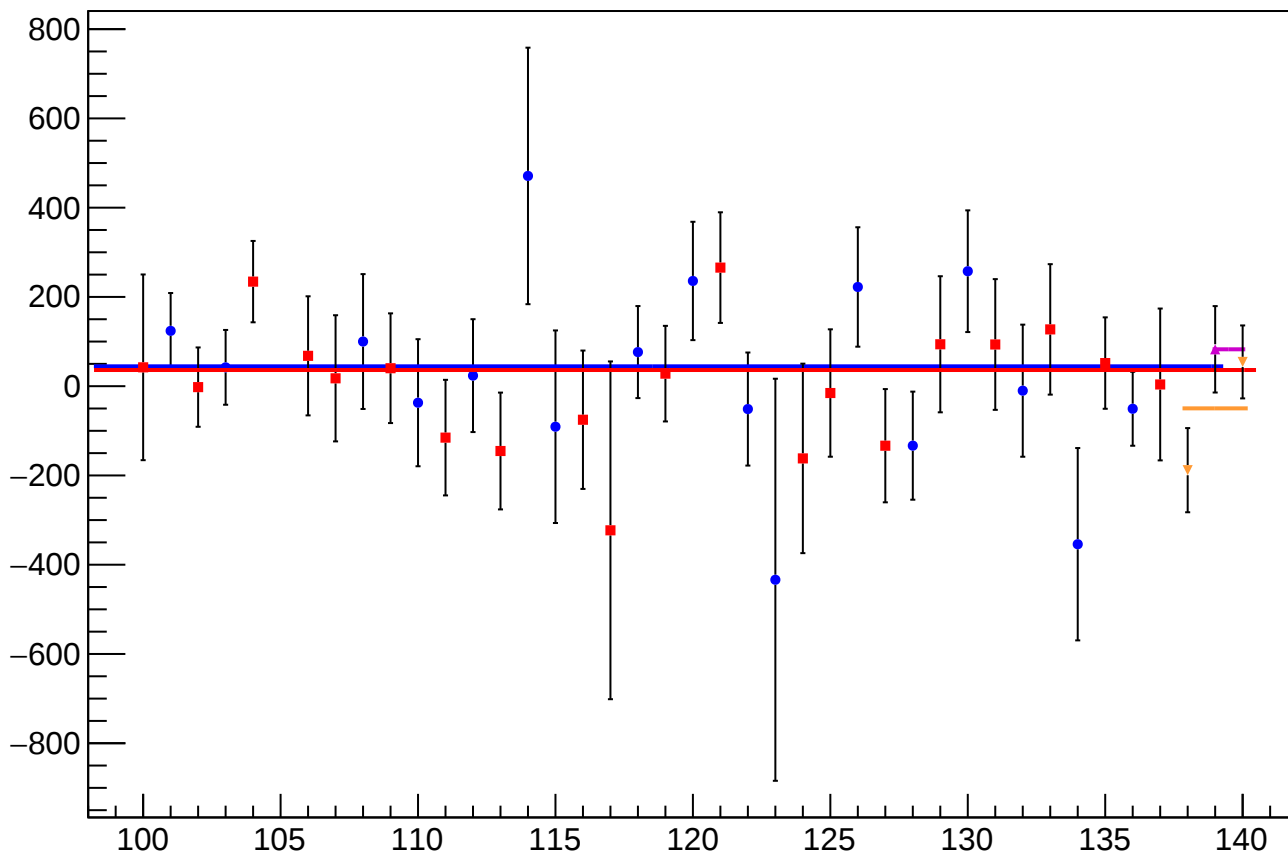
Left In: 1079.827+/-0.926 χ^2/NDF : 0.0/0

1692.075+/-0.461 χ^2/NDF : 3105234.5/18

1759.337+/-0.342 χ^2/NDF : 5884429.8/39

1841.608+/-0.510 χ^2/NDF : 2731948.1/20

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 44.484+/-30.432 χ^2/NDF : 19.1/16

Left Out: -49.691+/-61.768 χ^2/NDF : 3.8/1

Right Out: 36.251+/-29.346 χ^2/NDF : 16.7/19

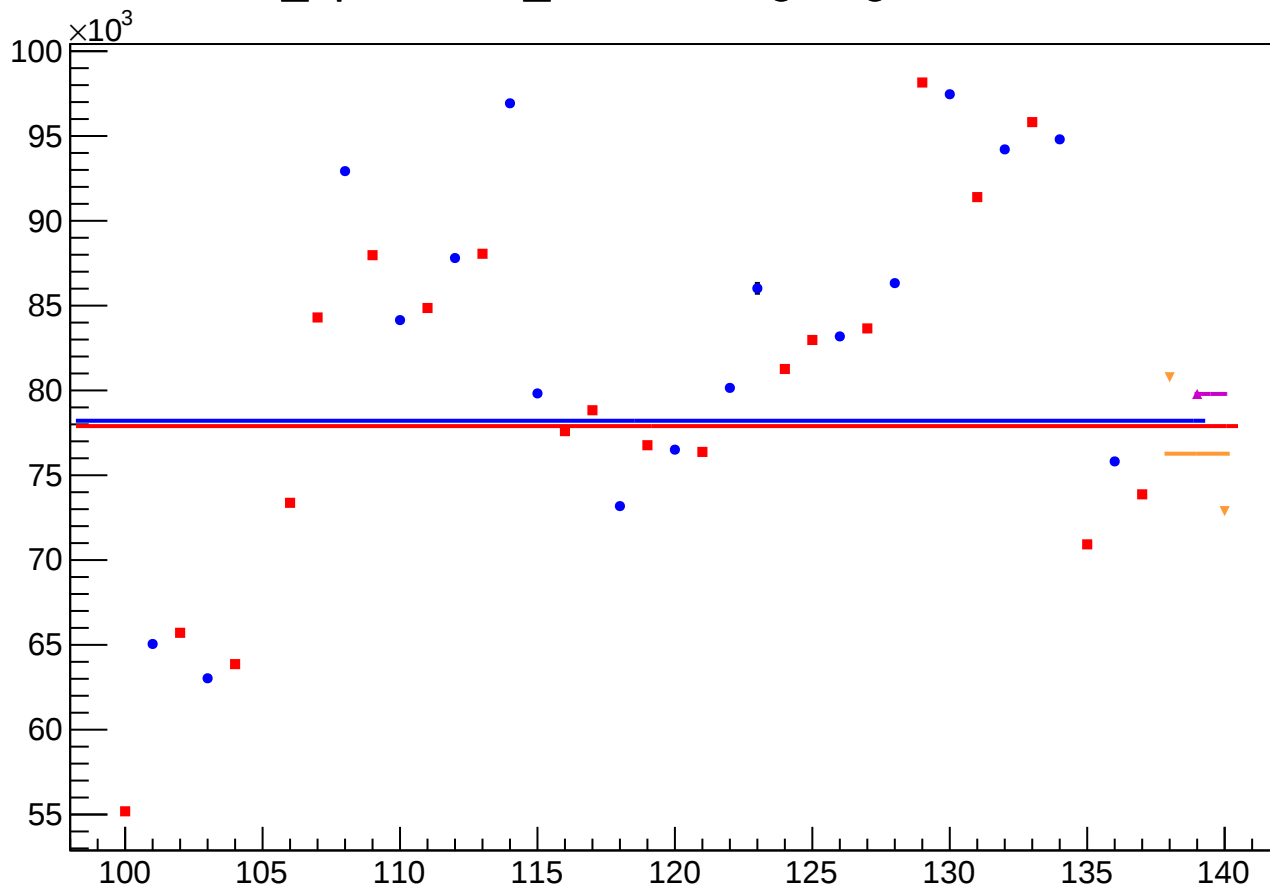
Left In: 82.633+/-96.810 χ^2/NDF : 0.0/0

26.089+/-27.298 χ^2/NDF : 24.7/18

32.922+/-19.575 χ^2/NDF : 41.7/39

40.155+/-28.084 χ^2/NDF : 16.9/20

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 78213.025 $\pm$ 21.519 χ^2 /NDF: 251056.7/16

Left Out: 76270.965 $\pm$ 43.676 χ^2 /NDF: 7999.1/1

Right Out: 77897.594 $\pm$ 20.751 χ^2 /NDF: 246982.5/19

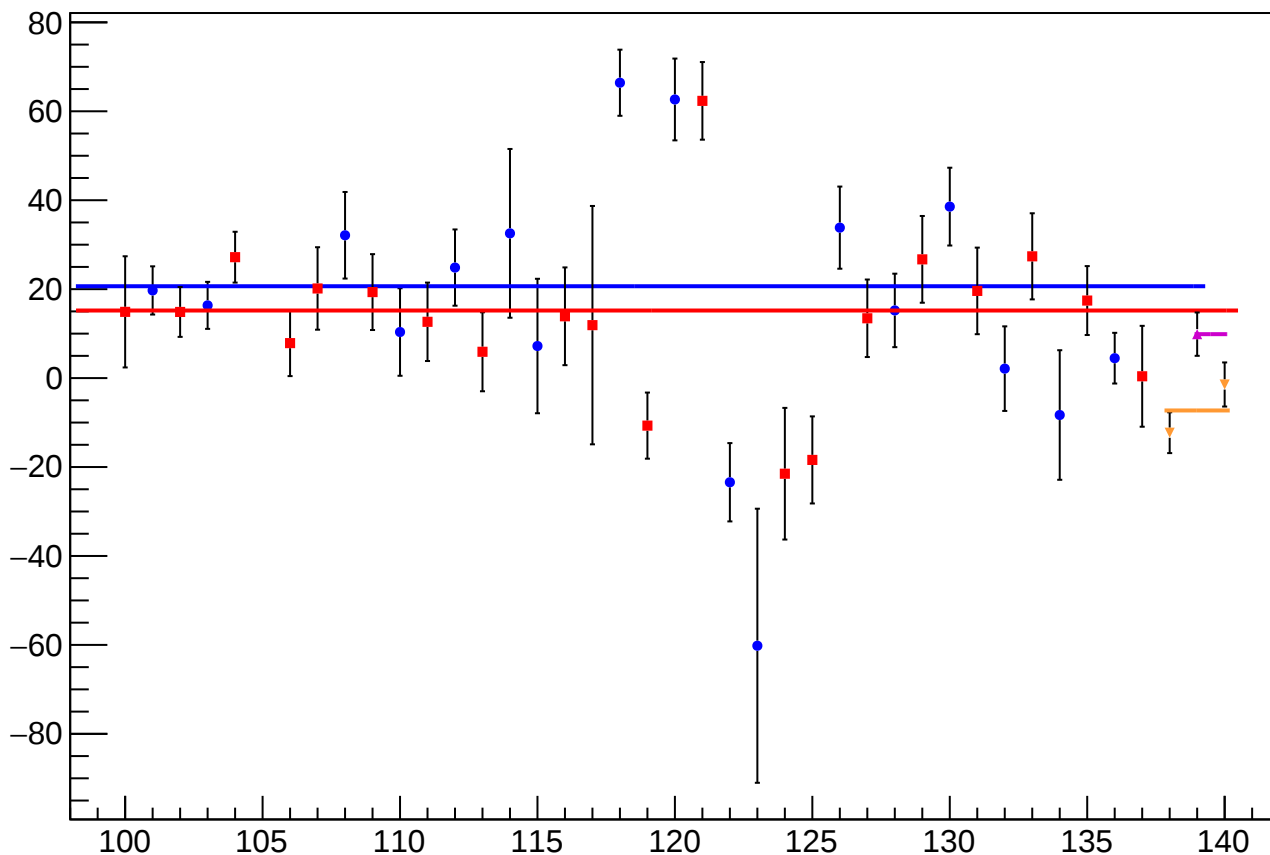
Left In: 79793.613 $\pm$ 68.455 χ^2 /NDF: 0.0/0

77833.695 $\pm$ 19.303 χ^2 /NDF: 260646.7/18

77942.255 $\pm$ 13.842 χ^2 /NDF: 508396.9/3

78057.156 $\pm$ 19.859 χ^2 /NDF: 247685.1/20

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.657 $\pm$ 2.036 χ^2 /NDF: 117.7/16

Left Out: -7.280 $\pm$ 3.368 χ^2 /NDF: 2.6/1

Right Out: 15.198 $\pm$ 1.950 χ^2 /NDF: 71.3/19

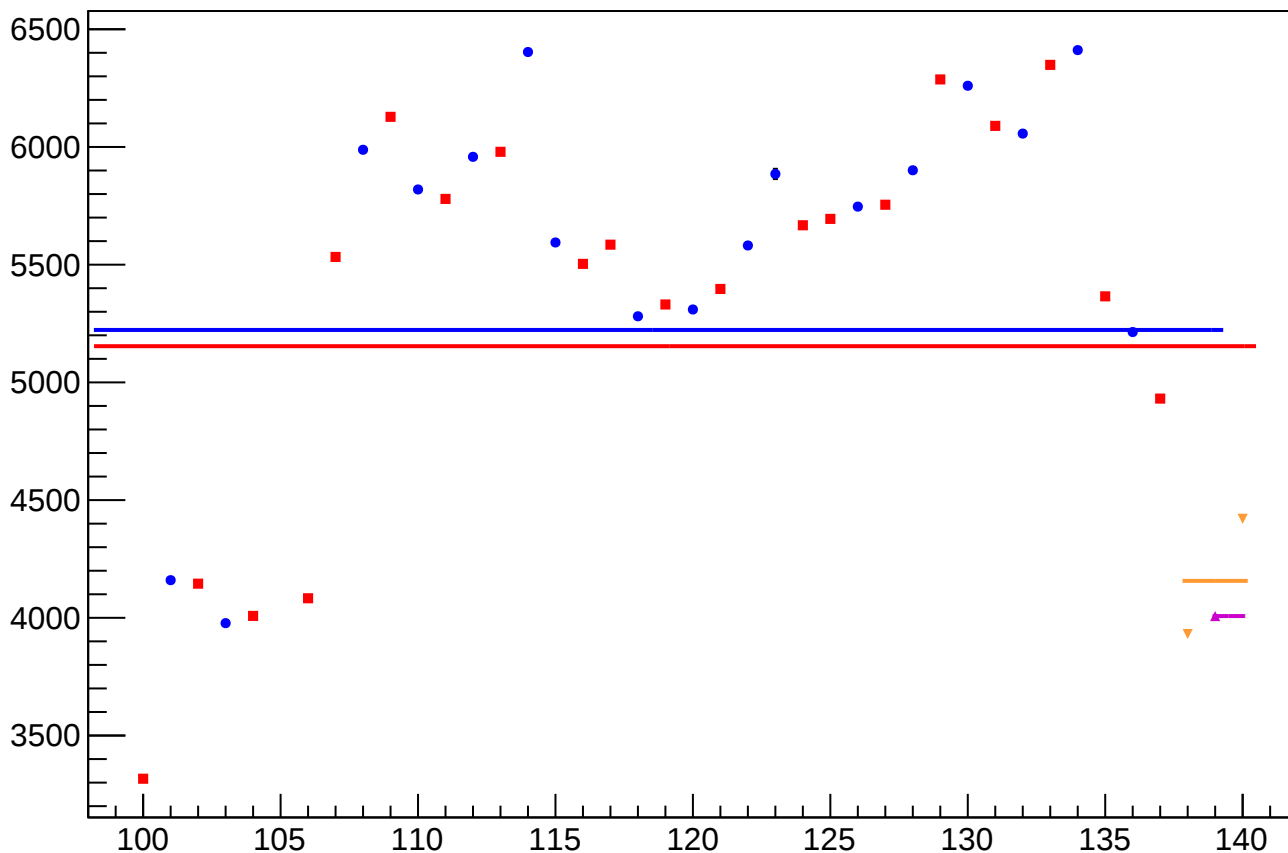
Left In: 9.880 $\pm$ 4.871 χ^2 /NDF: 0.0/0

13.180 $\pm$ 1.742 χ^2 /NDF: 170.7/18

13.798 $\pm$ 1.255 χ^2 /NDF: 243.3/39

14.464 $\pm$ 1.810 χ^2 /NDF: 72.4/20

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 5222.767+/-1.440 χ^2/NDF : 312497.9/16

Left Out: 4156.912+/-2.381 χ^2/NDF :10494.2/1

Right Out: 5153.826+/-1.379 χ^2/NDF : 388205.9/19

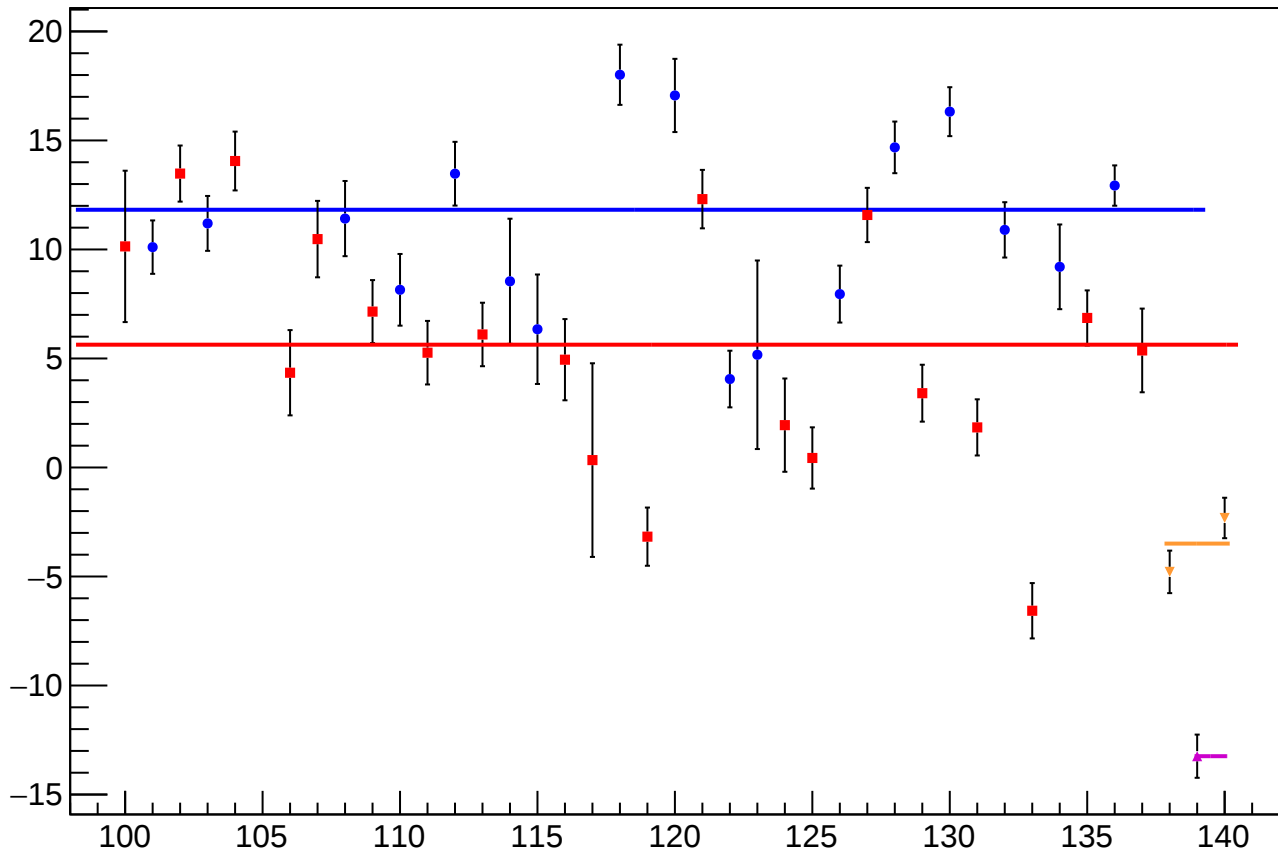
Left In: 4007.473+/-3.444 χ^2/NDF :0.0/0

4937.501+/-1.232 χ^2/NDF : 469707.0/18

4965.409+/-0.888 χ^2/NDF : 954470.8/39

4995.528+/-1.280 χ^2/NDF : 483696.8/20

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 11.821 $\pm$ 0.344 χ^2 /NDF: 117.0/16

Left Out: -3.491 $\pm$ 0.672 χ^2 /NDF: 3.4/1

Right Out: 5.632 $\pm$ 0.337 χ^2 /NDF: 301.6/19

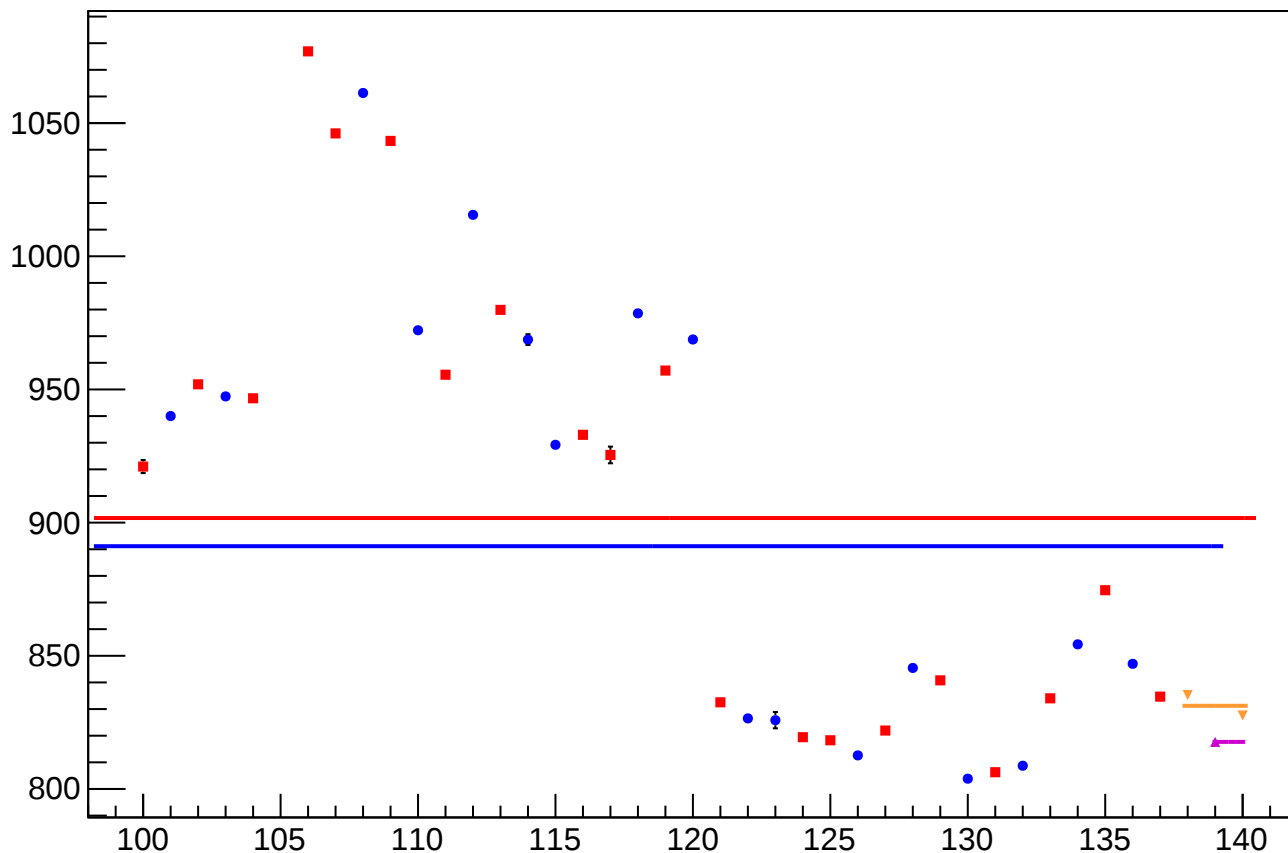
Left In: -13.242 $\pm$ 0.991 χ^2 /NDF: 0.0/0

8.634 $\pm$ 0.307 χ^2 /NDF: 531.6/18

6.254 $\pm$ 0.221 χ^2 /NDF: 1284.0/39

3.670 $\pm$ 0.319 χ^2 /NDF: 626.7/20

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 891.149 $\pm$ 0.244 χ^2 /NDF: 101659.1/16

Left Out: 831.229 $\pm$ 0.475 χ^2 /NDF:65.1/1

Right Out: 901.725 $\pm$ 0.239 χ^2 /NDF: 114648.1/19

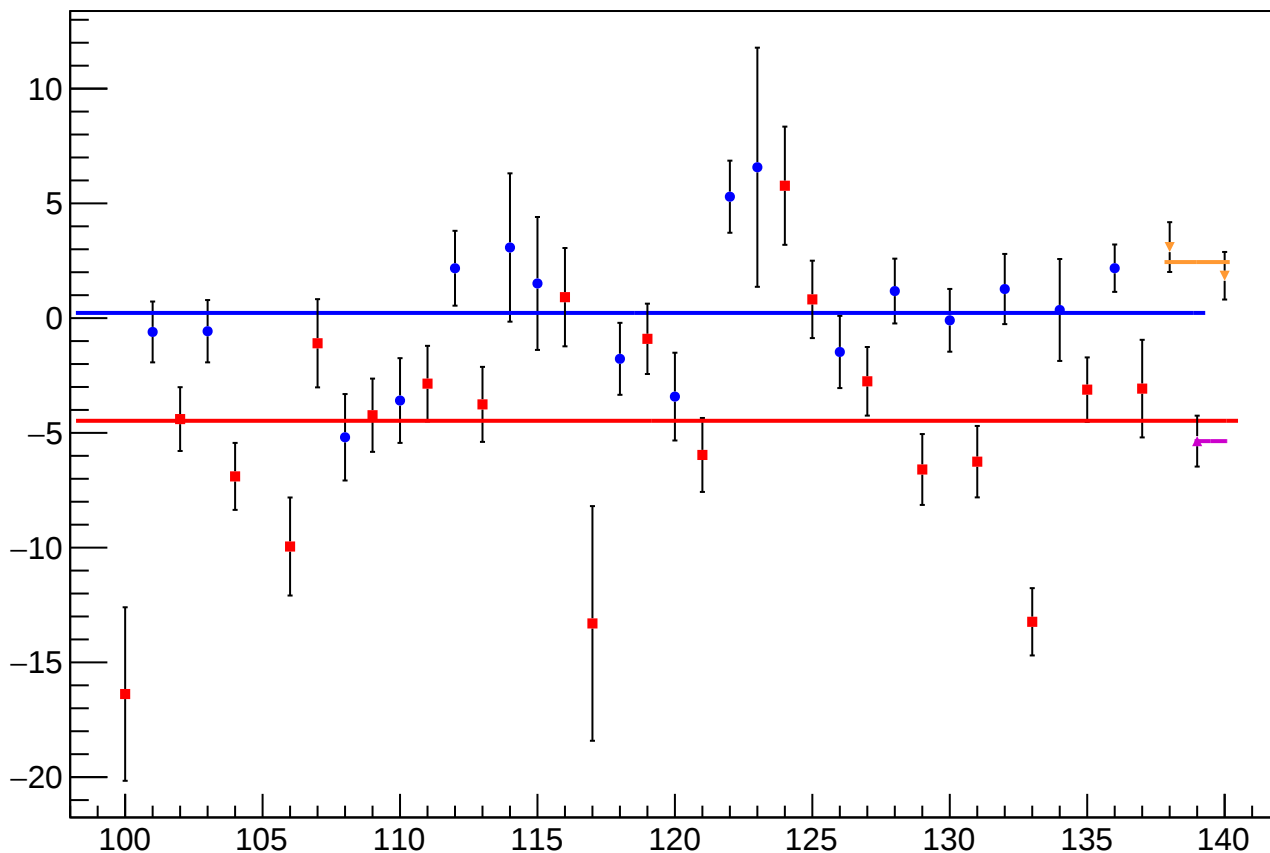
Left In: 817.675 $\pm$ 0.701 χ^2 /NDF:0.0/0

878.678 $\pm$ 0.217 χ^2 /NDF: 114317.6/18

885.538 $\pm$ 0.156 χ^2 /NDF: 243950.9/39

892.988 $\pm$ 0.226 χ^2 /NDF: 127544.2/20

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.227 ± 0.395 χ^2/NDF : 38.5/16

Left Out: 2.443 ± 0.750 χ^2/NDF : 0.7/1

Right Out: -4.473 ± 0.386 χ^2/NDF : 106.3/19

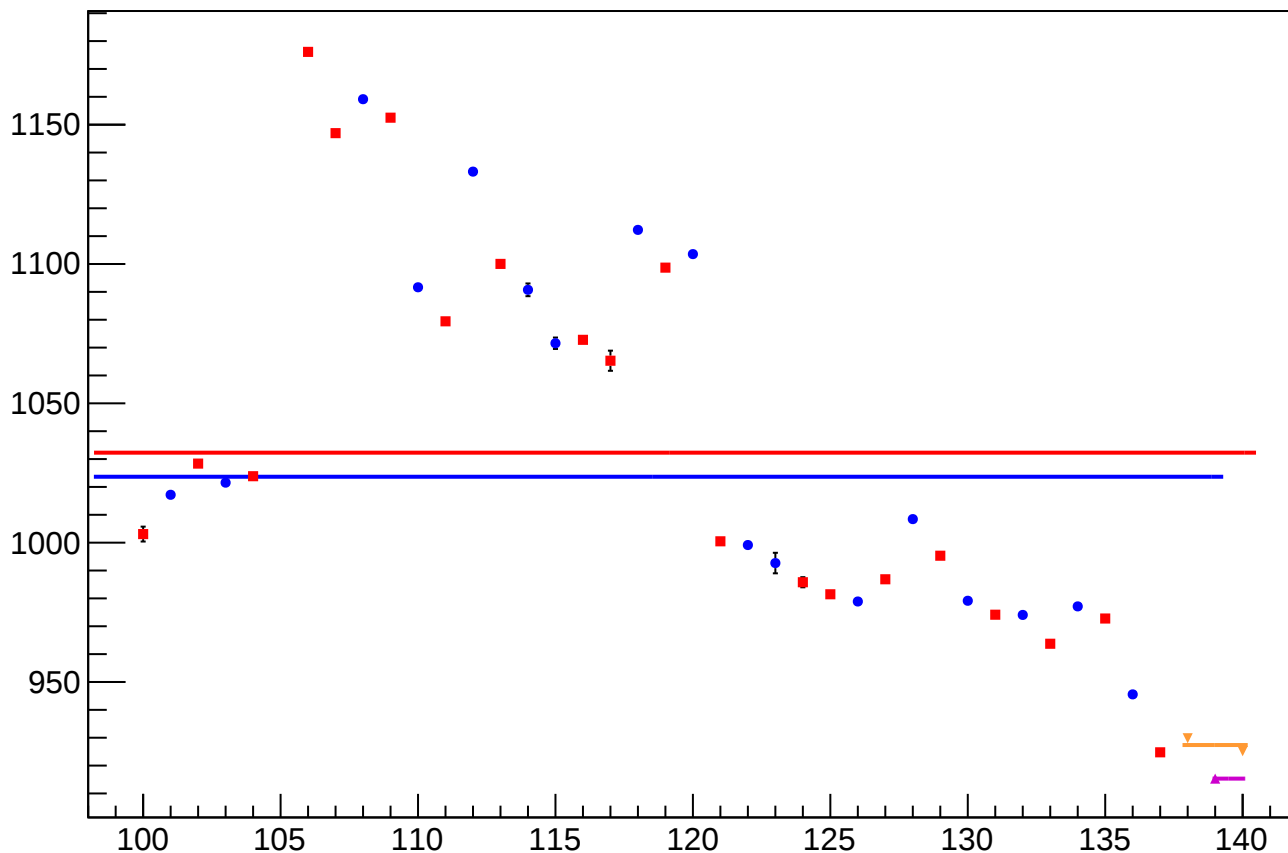
Left In: -5.359 ± 1.109 χ^2/NDF : 0.0/0

0.709 ± 0.349 χ^2/NDF : 46.1/18

-1.821 ± 0.252 χ^2/NDF : 262.3/39

-4.569 ± 0.364 χ^2/NDF : 106.9/20

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 1023.655+/-0.279 χ^2/NDF : 52373.8/16

Left Out: 927.378+/-0.530 χ^2/NDF : 19.2/1

Right Out: 1032.296+/-0.273 χ^2/NDF : 59475.4/19

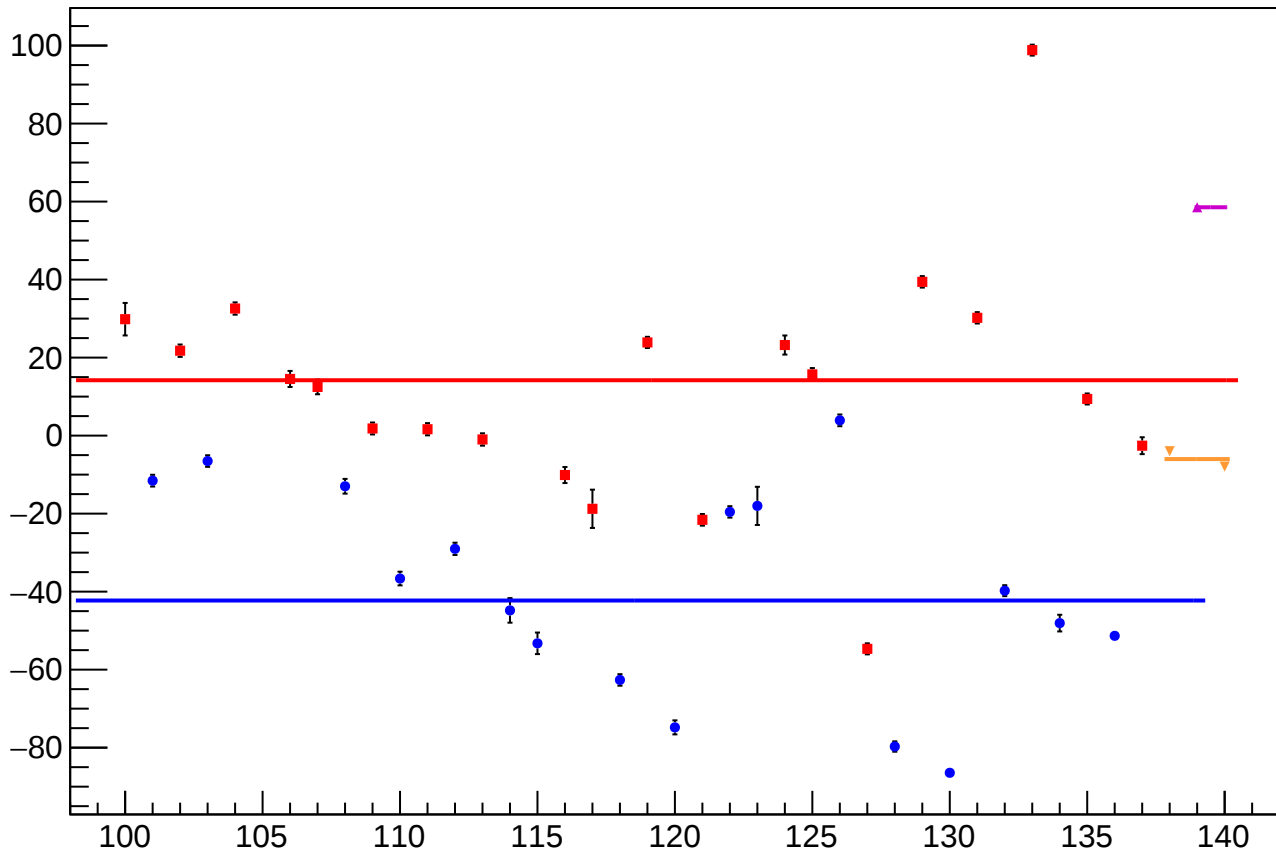
Left In: 915.325+/-0.784 χ^2/NDF : 0.0/0

1002.731+/-0.247 χ^2/NDF : 78217.1/18

1010.856+/-0.178 χ^2/NDF : 159790.0/39

1019.684+/-0.258 χ^2/NDF : 79316.8/20

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -42.278 ± 0.387 χ^2/NDF : 5126.8/16

Left Out: -6.013 ± 0.758 χ^2/NDF : 6.7/1

Right Out: 14.197 ± 0.377 χ^2/NDF : 7715.1/19

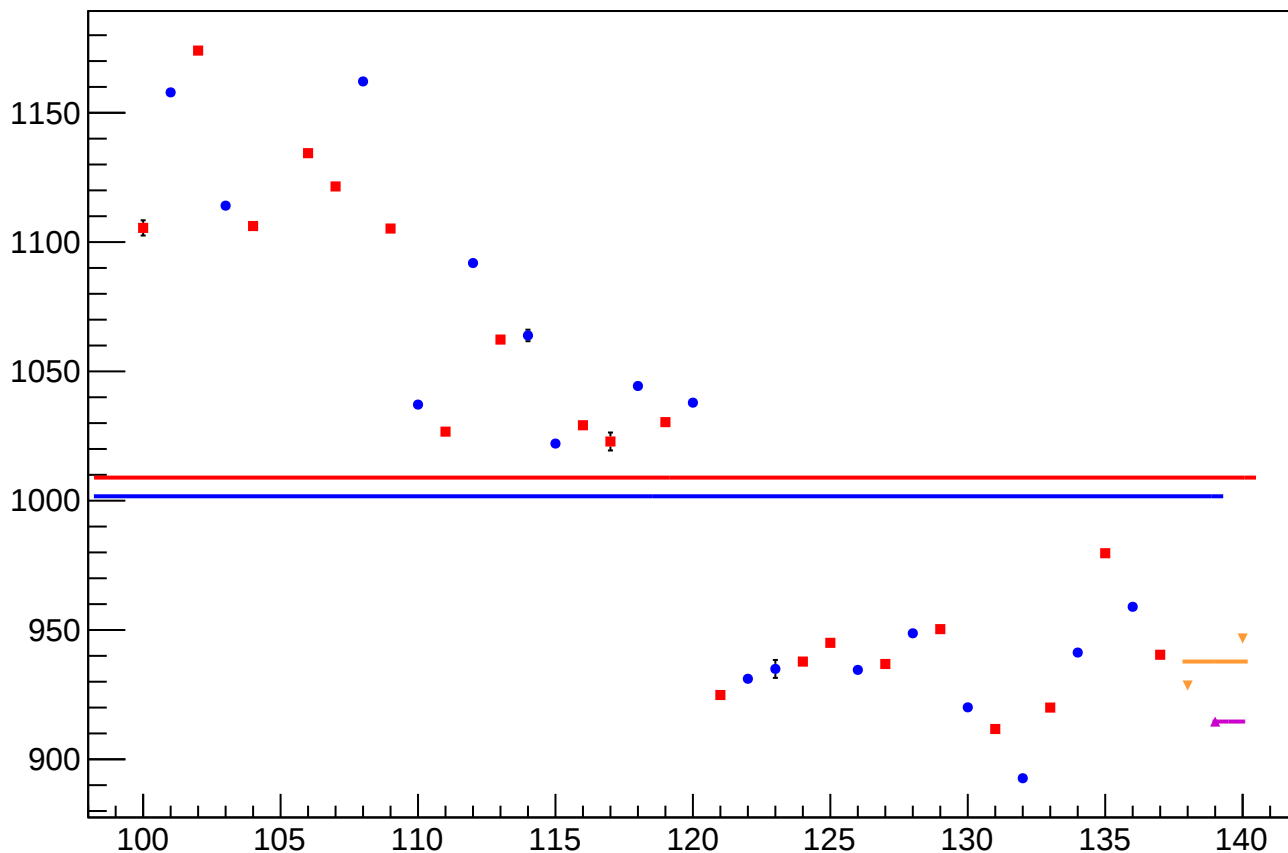
Left In: 58.544 ± 1.108 χ^2/NDF : 0.0/0

-34.775 ± 0.345 χ^2/NDF : 6949.3/18

-8.935 ± 0.248 χ^2/NDF : 27747.3/39

18.804 ± 0.357 χ^2/NDF : 9149.9/20

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 1001.706 $\pm$ 0.274 χ^2 /NDF: 95480.0/16

Left Out: 937.805 $\pm$ 0.536 χ^2 /NDF: 287.8/1

Right Out: 1008.931 $\pm$ 0.267 χ^2 /NDF: 95366.1/19

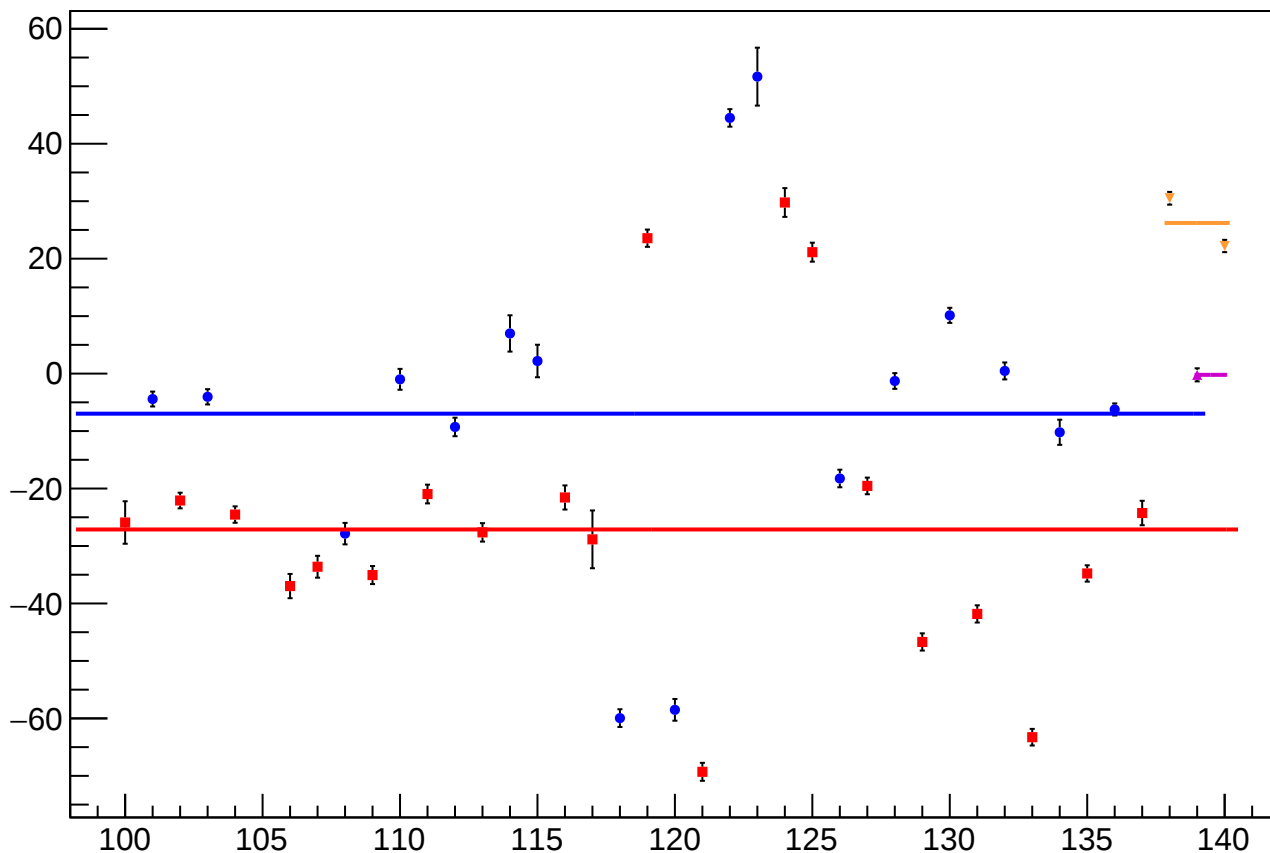
Left In: 914.597 $\pm$ 0.784 χ^2 /NDF: 0.0/0

988.484 $\pm$ 0.244 χ^2 /NDF: 107043.0/18

993.619 $\pm$ 0.175 χ^2 /NDF: 216313.6/39

999.131 $\pm$ 0.253 χ^2 /NDF: 108350.7/20

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.974 ± 0.388 χ^2/NDF : 3636.9/16

Left Out: 26.212 ± 0.772 χ^2/NDF : 28.9/1

Right Out: -27.125 ± 0.379 χ^2/NDF : 4283.6/19

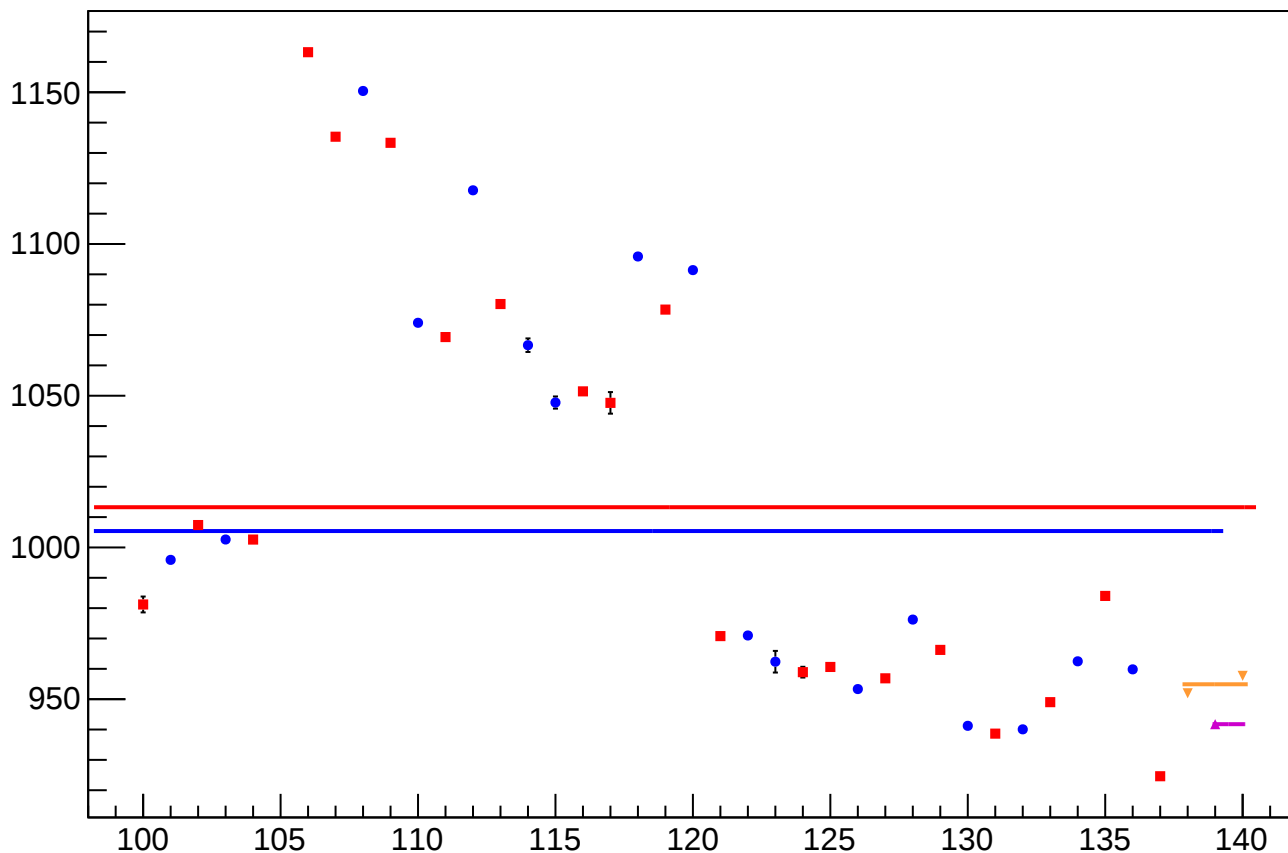
Left In: -0.217 ± 1.141 χ^2/NDF : 0.0/0

-0.280 ± 0.347 χ^2/NDF : 5141.9/18

-11.936 ± 0.249 χ^2/NDF : 12272.2/39

-24.459 ± 0.359 χ^2/NDF : 4784.5/20

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 1005.409 $\pm$ 0.274 χ^2 /NDF: 54586.0/16

Left Out: 954.914 $\pm$ 0.546 χ^2 /NDF: 27.7/1

Right Out: 1013.260 $\pm$ 0.268 χ^2 /NDF: 63359.8/19

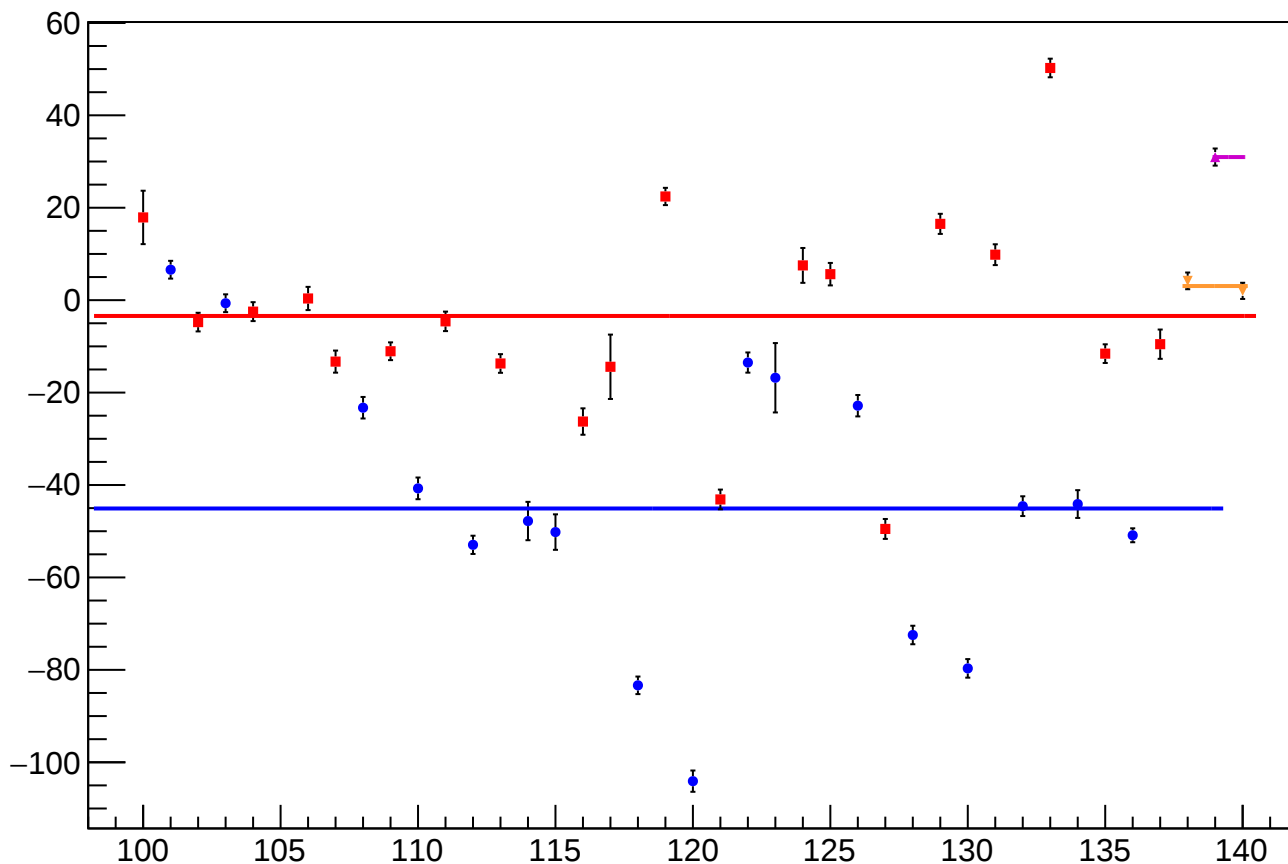
Left In: 941.764 $\pm$ 0.807 χ^2 /NDF: 0.0/0

995.223 $\pm$ 0.245 χ^2 /NDF: 61448.5/18

1000.502 $\pm$ 0.176 χ^2 /NDF: 132842.7/39

1006.174 $\pm$ 0.254 χ^2 /NDF: 70431.7/20

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -45.081 ± 0.540 χ^2/NDF : 3238.1/16

Left Out: 3.058 ± 1.257 χ^2/NDF : 0.7/1

Right Out: -3.419 ± 0.520 χ^2/NDF : 2008.2/19

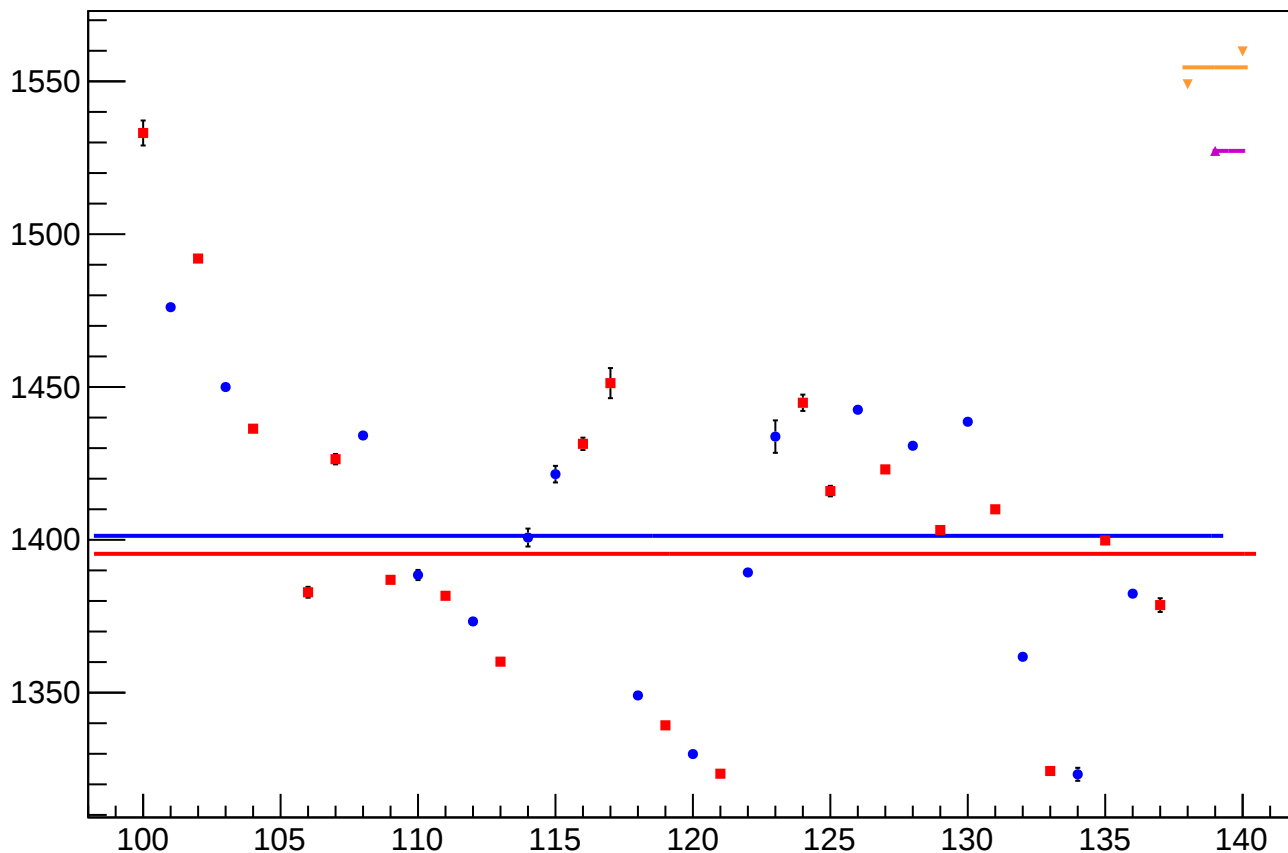
Left In: 30.966 ± 1.852 χ^2/NDF : 0.0/0

-37.590 ± 0.496 χ^2/NDF : 4476.8/18

-19.431 ± 0.352 χ^2/NDF : 9513.3/39

-0.903 ± 0.501 χ^2/NDF : 2327.8/20

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1401.307 $\pm$ 0.382 χ^2 /NDF: 12852.1/16

Left Out: 1554.580 $\pm$ 0.889 χ^2 /NDF: 36.5/1

Right Out: 1395.419 $\pm$ 0.368 χ^2 /NDF: 15649.3/19

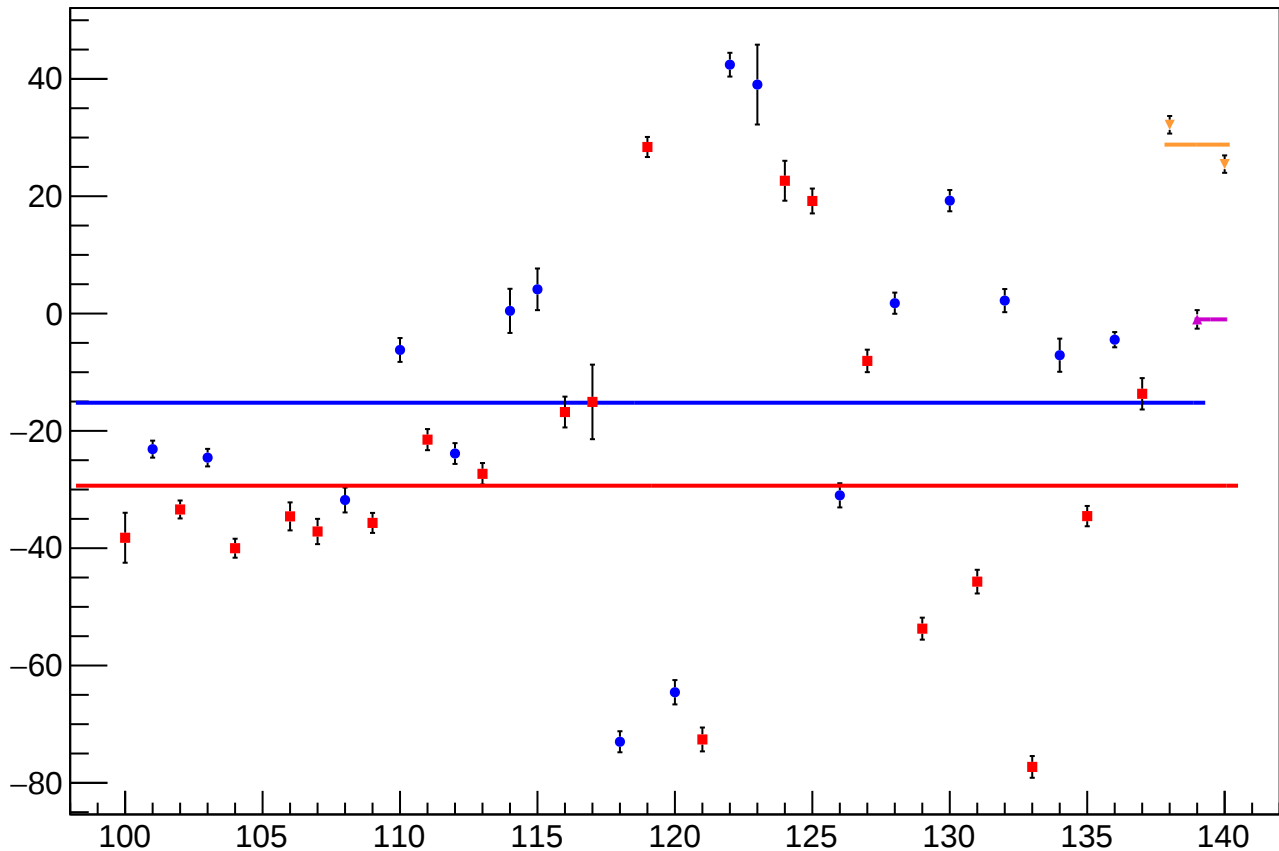
Left In: 1527.252 $\pm$ 1.309 χ^2 /NDF: 0.0/0

1425.157 $\pm$ 0.351 χ^2 /NDF: 37989.6/18

1415.213 $\pm$ 0.249 χ^2 /NDF: 64658.3/39

1405.067 $\pm$ 0.354 χ^2 /NDF: 25044.2/20

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.202 ± 0.472 χ^2/NDF : 3362.5/16

Left Out: 28.797 ± 1.055 χ^2/NDF : 10.1/1

Right Out: -29.344 ± 0.455 χ^2/NDF : 3549.9/19

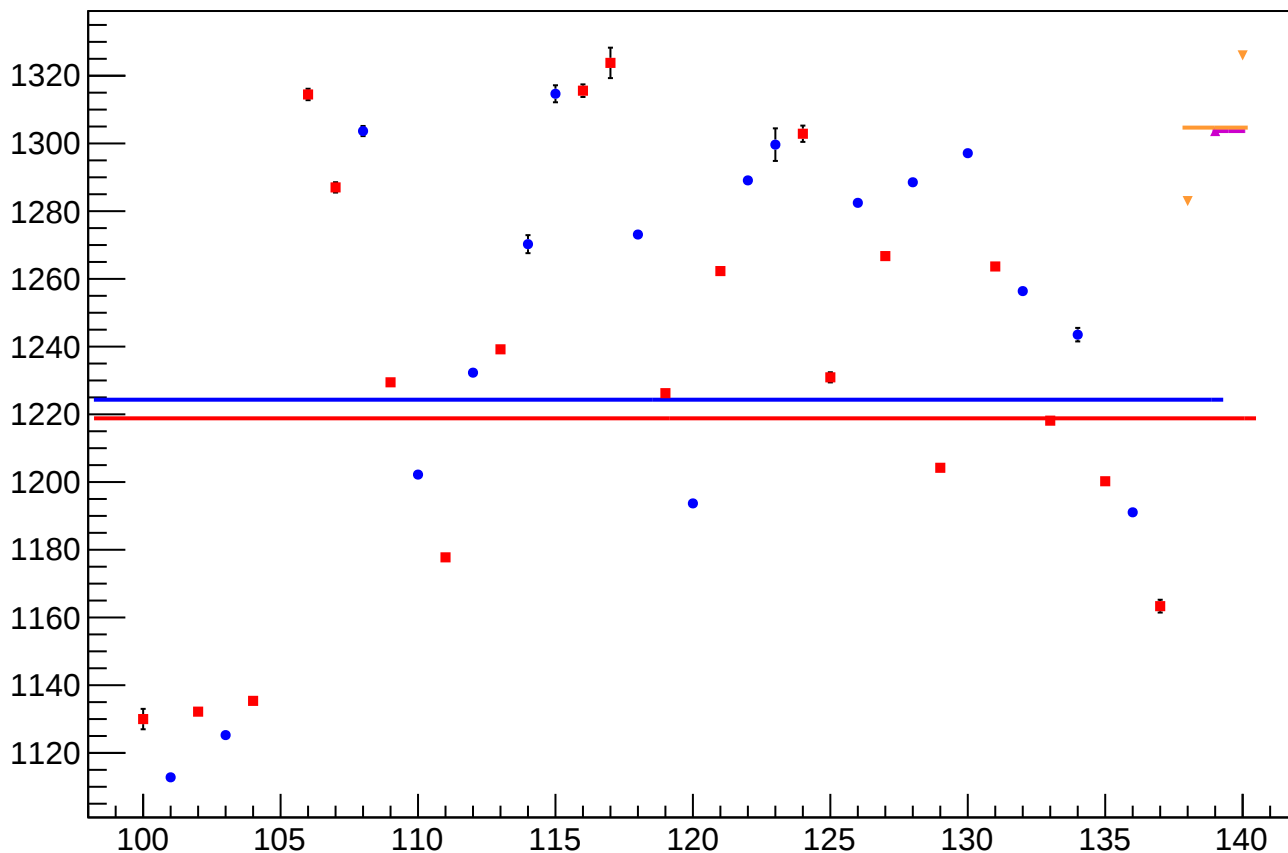
Left In: -0.995 ± 1.580 χ^2/NDF : 0.0/0

-7.862 ± 0.431 χ^2/NDF : 4821.5/18

-17.377 ± 0.307 χ^2/NDF : 9658.1/39

-27.173 ± 0.437 χ^2/NDF : 3847.2/20

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1224.320+/-0.334 χ^2/NDF : 38778.2/16

Left Out: 1304.680+/-0.746 χ^2/NDF : 831.6/1

Right Out: 1218.817+/-0.322 χ^2/NDF : 28121.5/19

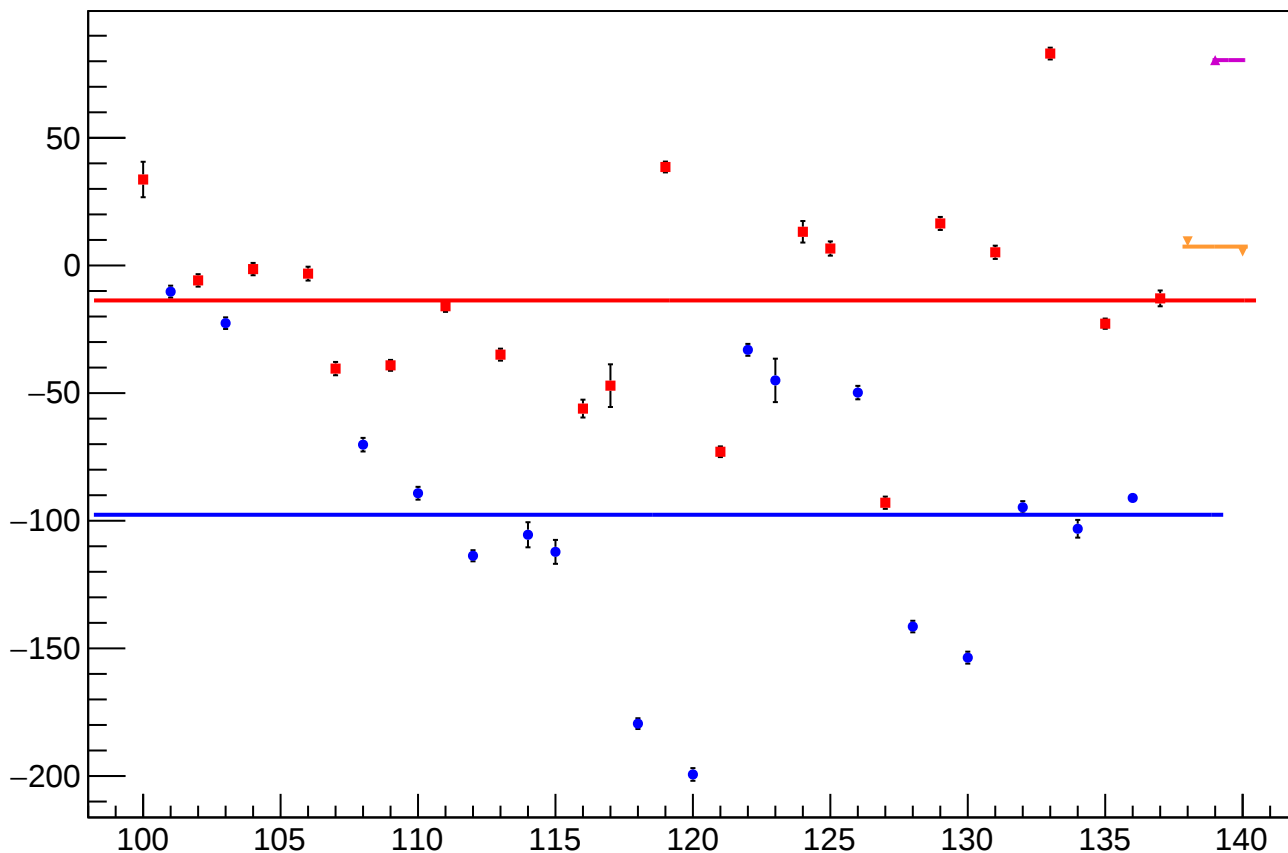
Left In: 1303.662+/-1.117 χ^2/NDF : 0.0/0

1237.725+/-0.305 χ^2/NDF : 49276.0/18

1231.610+/-0.217 χ^2/NDF : 83539.8/39

1225.314+/-0.309 χ^2/NDF : 33446.4/20

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.657 ± 0.601 χ^2/NDF : 7936.6/16

Left Out: 7.393 ± 1.308 χ^2/NDF : 2.3/1

Right Out: -13.698 ± 0.578 χ^2/NDF : 5144.2/19

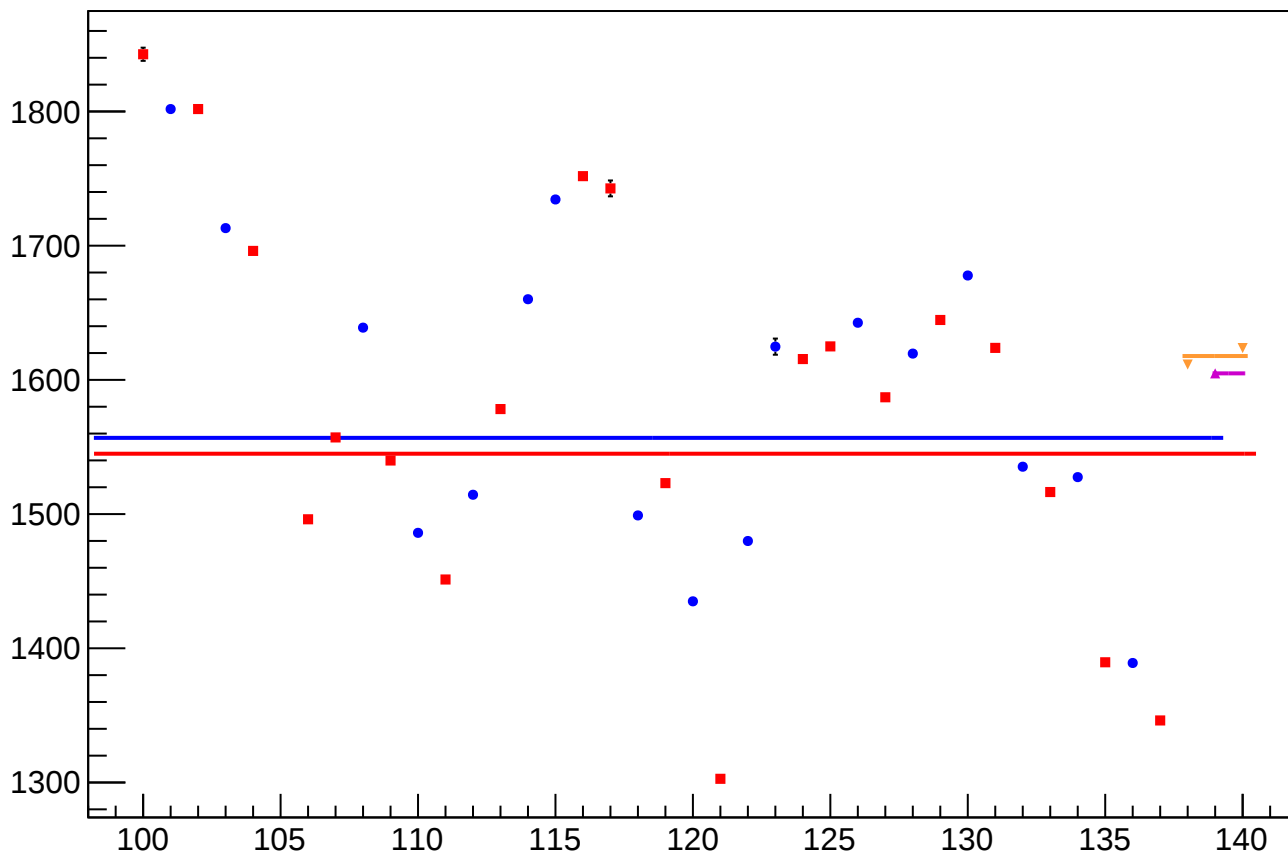
Left In: 80.447 ± 1.945 χ^2/NDF : 0.0/0

-79.326 ± 0.546 χ^2/NDF : 13264.6/18

-43.206 ± 0.389 χ^2/NDF : 29427.2/39

-6.060 ± 0.554 χ^2/NDF : 7296.8/20

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1617.776 $\pm$ 0.925 χ^2 /NDF: 44.1/1

Right Out: 1544.983 $\pm$ 0.409 χ^2 /NDF: 101624.6/19

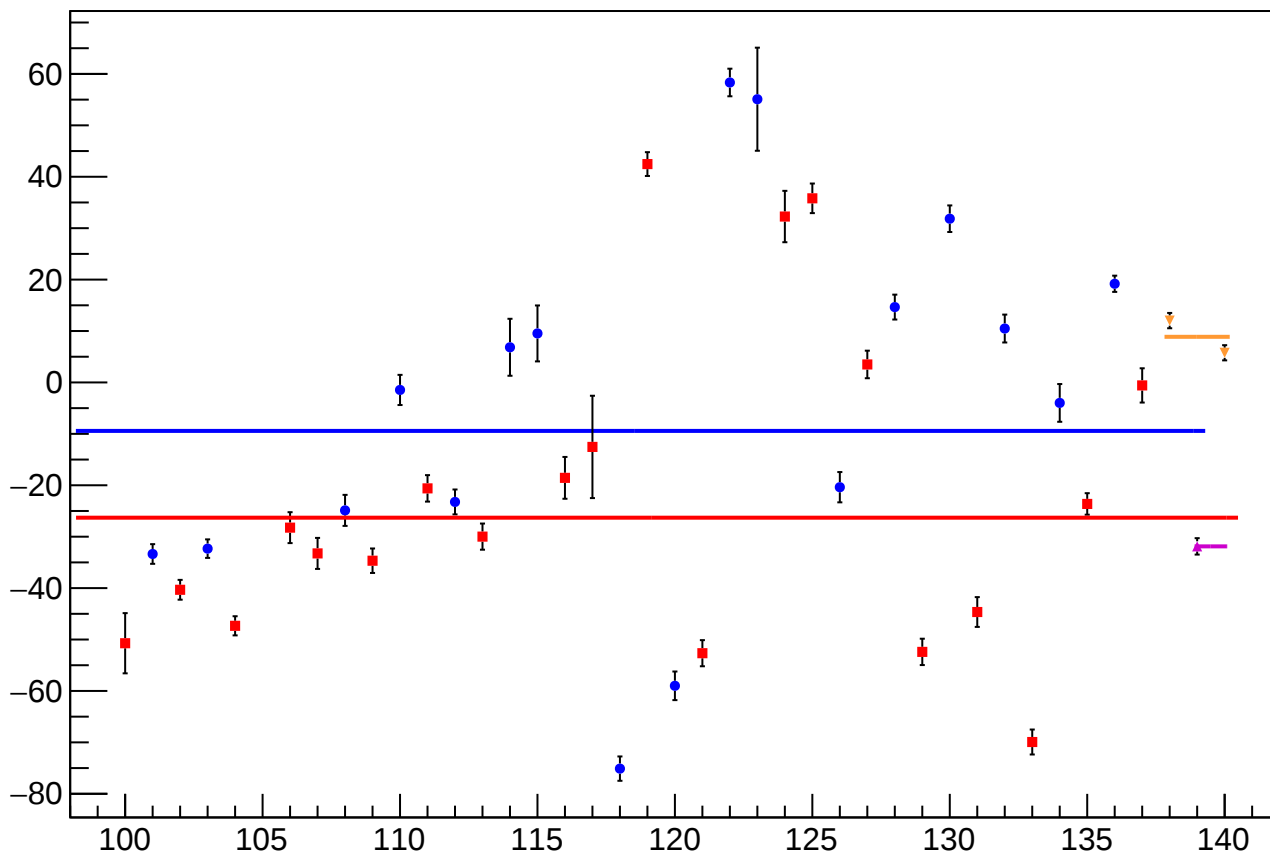
Left In: 1604.855 $\pm$ 1.375 χ^2 /NDF: 0.0/0

1567.439 $\pm$ 0.386 χ^2 /NDF: 85181.9/18

1558.763 $\pm$ 0.275 χ^2 /NDF: 189570.8/39

1549.840 $\pm$ 0.392 χ^2 /NDF: 103365.8/20

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 8.874 ± 1.048 χ^2/NDF : 8.9/1

Right Out: -26.304 ± 0.602 χ^2/NDF : 2474.0/19

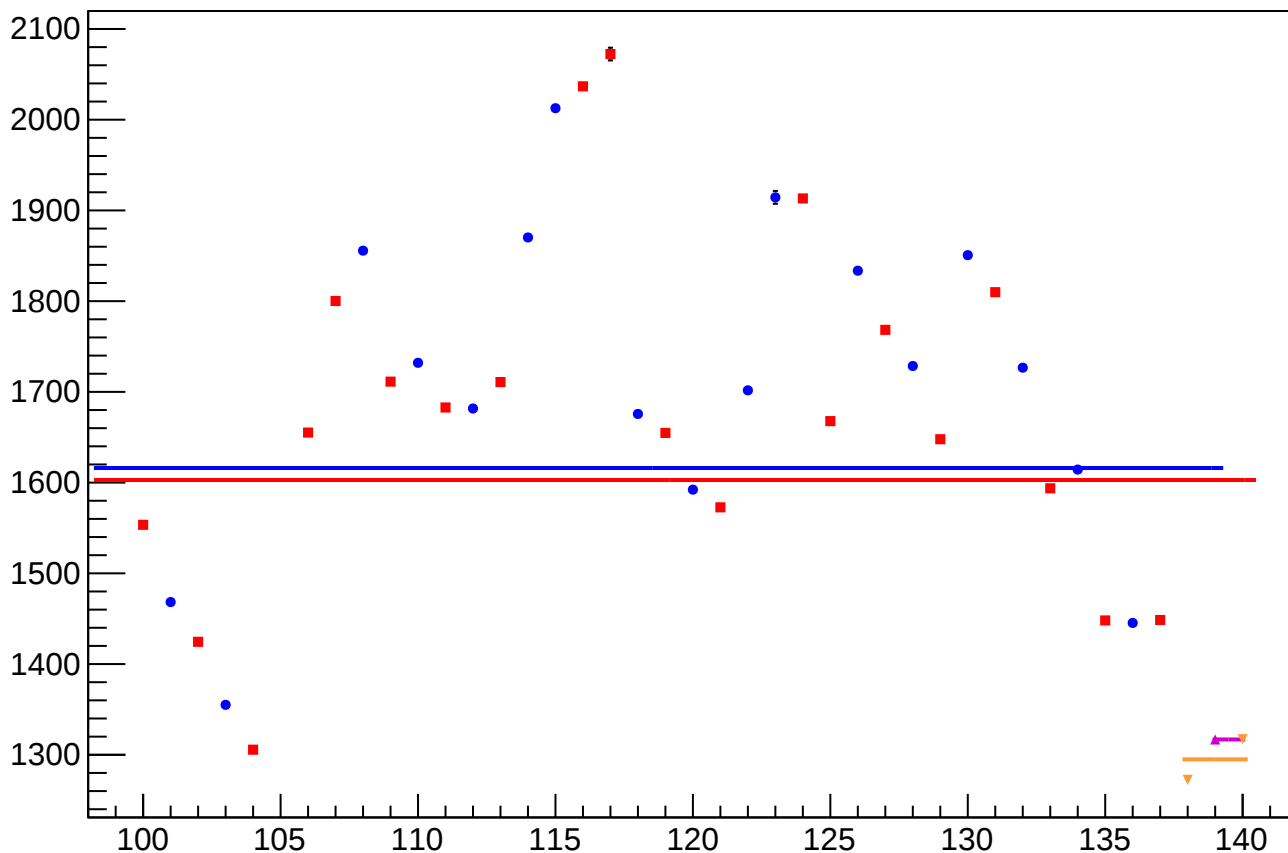
Left In: -31.883 ± 1.596 χ^2/NDF : 0.0/0

-4.610 ± 0.538 χ^2/NDF : 3157.6/18

-15.290 ± 0.389 χ^2/NDF : 6469.2/39

-26.998 ± 0.563 χ^2/NDF : 2484.7/20

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1616.094+/-0.443 χ^2/NDF : 149596.3/16

Left Out: 1294.944+/-0.741 χ^2/NDF : 912.3/1

Right Out: 1602.857+/-0.425 χ^2/NDF : 158119.5/19

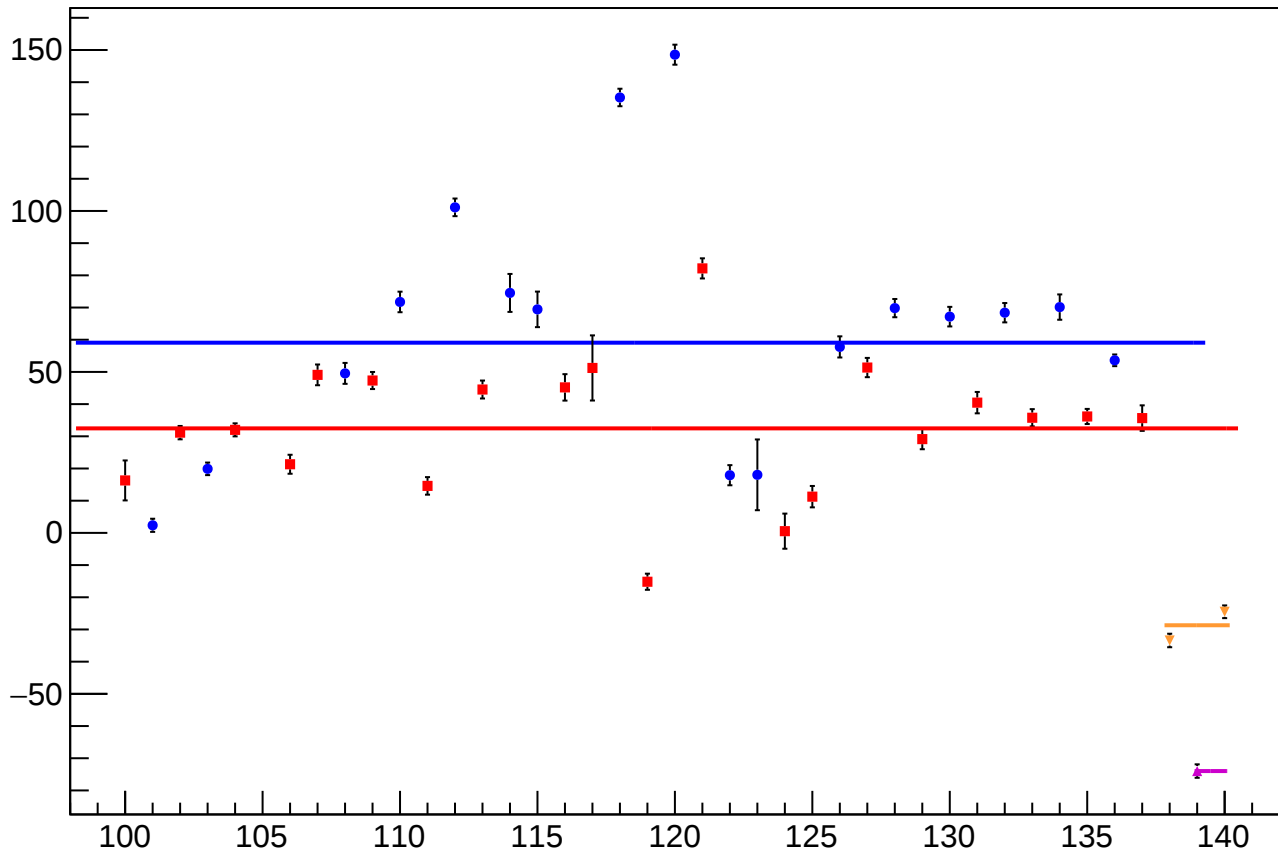
Left In: 1316.871+/-1.129 χ^2/NDF : 0.0/0

1531.566+/-0.380 χ^2/NDF : 288851.4/18

1548.601+/-0.275 χ^2/NDF : 507394.4/39

1567.275+/-0.398 χ^2/NDF : 214335.8/20

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 59.081+/-0.699 χ^2 /NDF: 3293.6/16

Left Out: -28.693+/-1.438 χ^2 /NDF: 9.6/1

Right Out: 32.463+/-0.665 χ^2 /NDF: 894.9/19

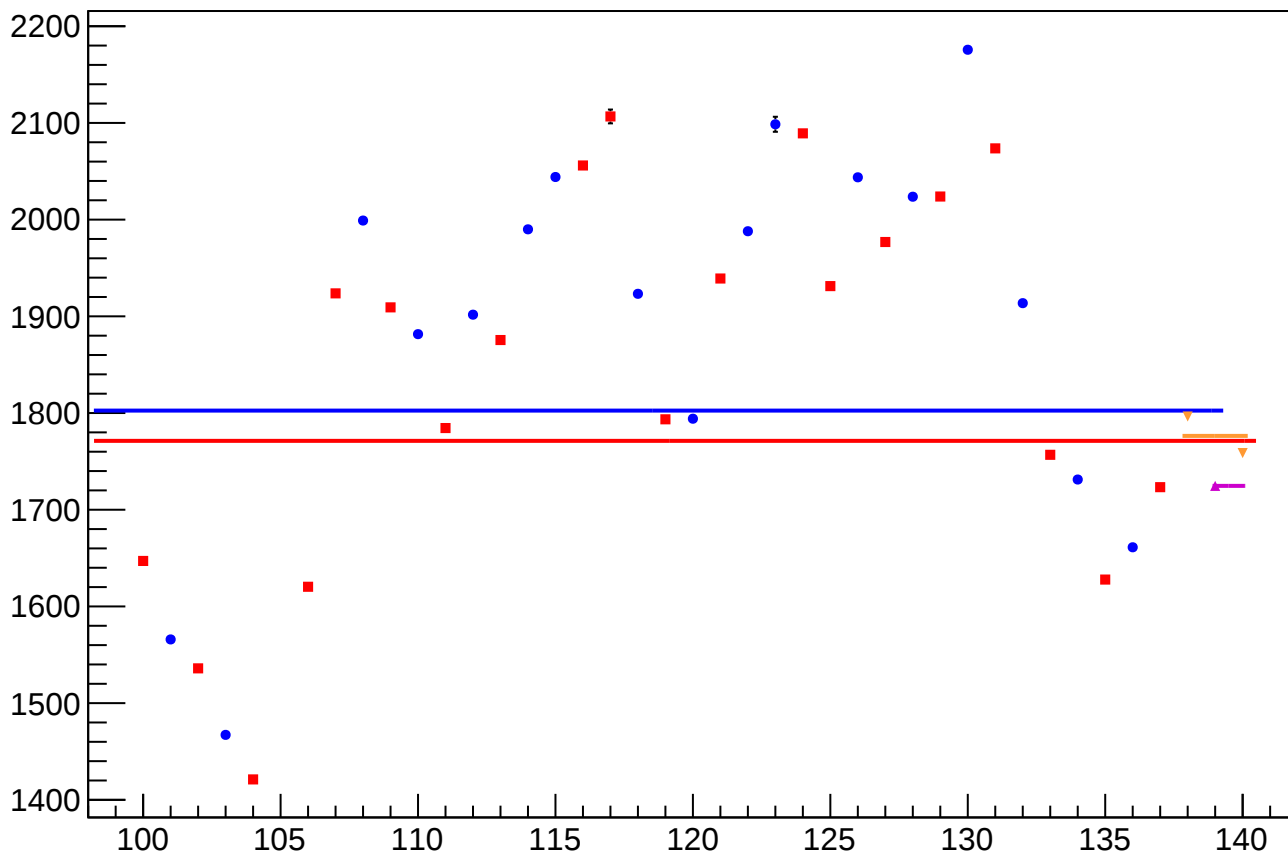
Left In: -73.983+/-2.093 χ^2 /NDF: 0.0/0

42.283+/-0.629 χ^2 /NDF: 6317.0/18

32.568+/-0.446 χ^2 /NDF: 10041.6/39

22.704+/-0.634 χ^2 /NDF: 3243.9/20

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1802.524 $\pm$ 0.495 χ^2 /NDF: 184069.0/16

Left Out: 1776.365 $\pm$ 1.017 χ^2 /NDF:344.3/1

Right Out: 1771.228 $\pm$ 0.470 χ^2 /NDF: 180101.6/19

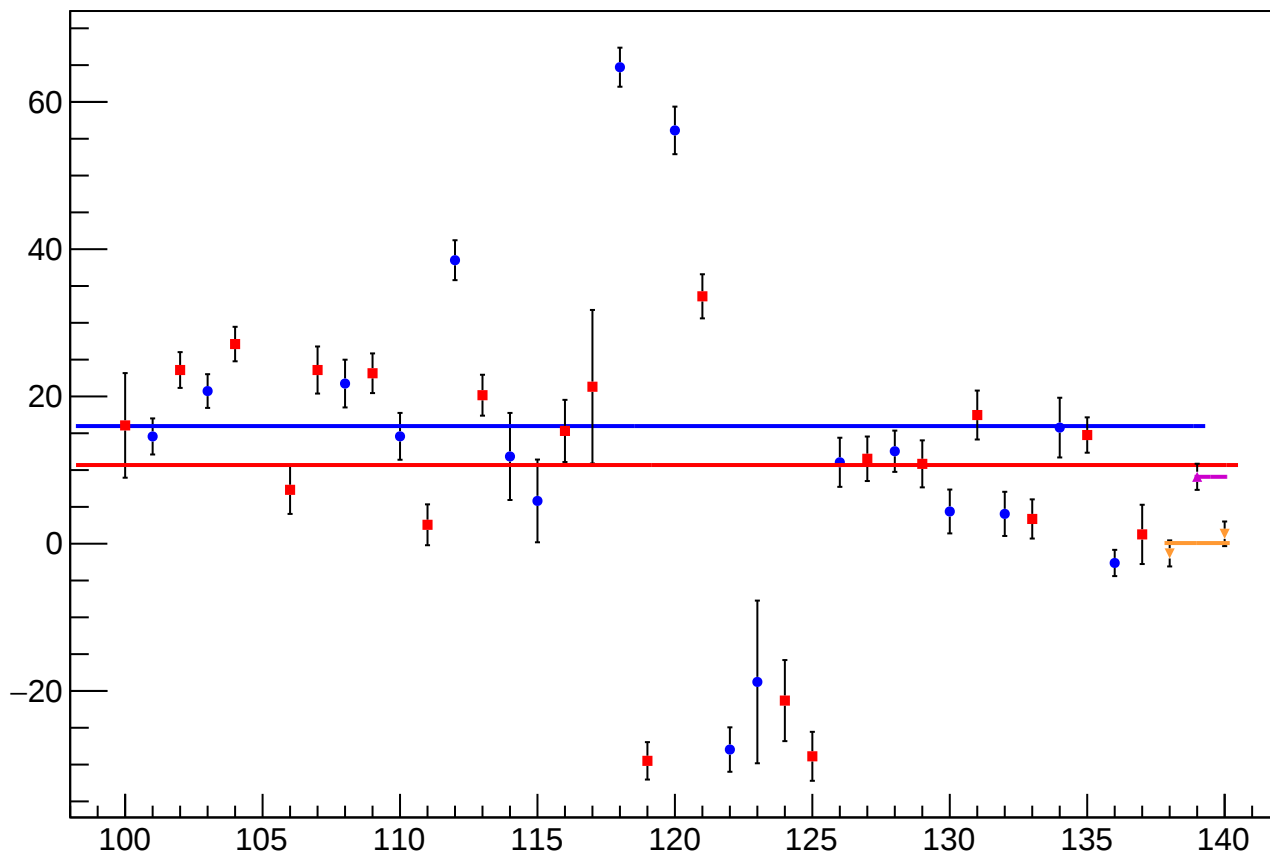
Left In: 1724.676 $\pm$ 1.480 χ^2 /NDF:0.0/0

1797.517 $\pm$ 0.445 χ^2 /NDF: 184948.7/18

1782.356 $\pm$ 0.316 χ^2 /NDF: 368291.0/39

1766.960 $\pm$ 0.448 χ^2 /NDF: 181000.1/20

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 15.976 $\pm$ 0.722 χ^2 /NDF: 938.4/16

Left Out: 0.087 $\pm$ 1.215 χ^2 /NDF: 1.2/1

Right Out: 10.685 $\pm$ 0.692 χ^2 /NDF: 643.2/19

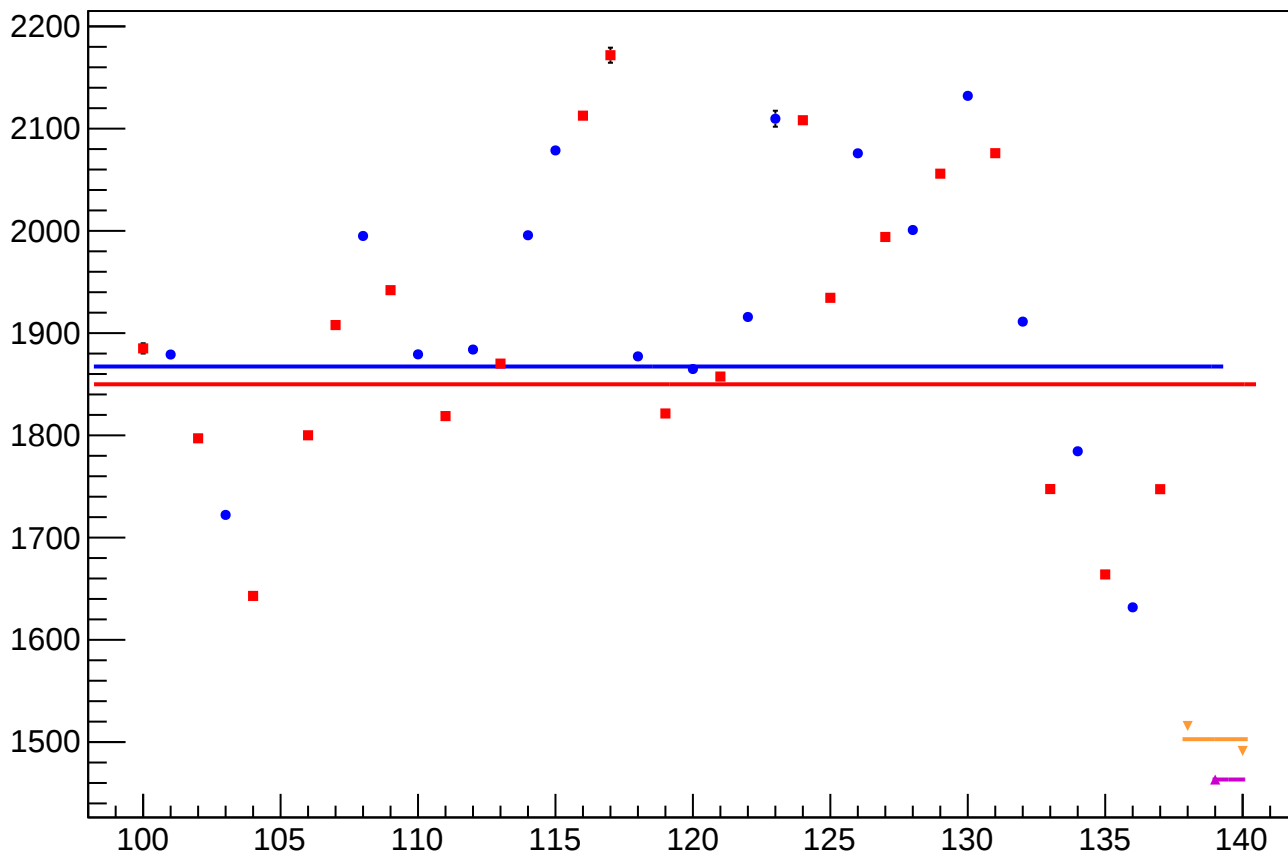
Left In: 9.085 $\pm$ 1.774 χ^2 /NDF: 0.0/0

11.835 $\pm$ 0.620 χ^2 /NDF: 1065.9/18

11.180 $\pm$ 0.447 χ^2 /NDF: 1712.1/39

10.473 $\pm$ 0.645 χ^2 /NDF: 643.9/20

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1867.343+/-0.510 χ^2/NDF : 80926.4/16

Left Out: 1502.829+/-0.859 χ^2/NDF : 201.8/1

Right Out: 1849.954+/-0.489 χ^2/NDF : 74440.9/19

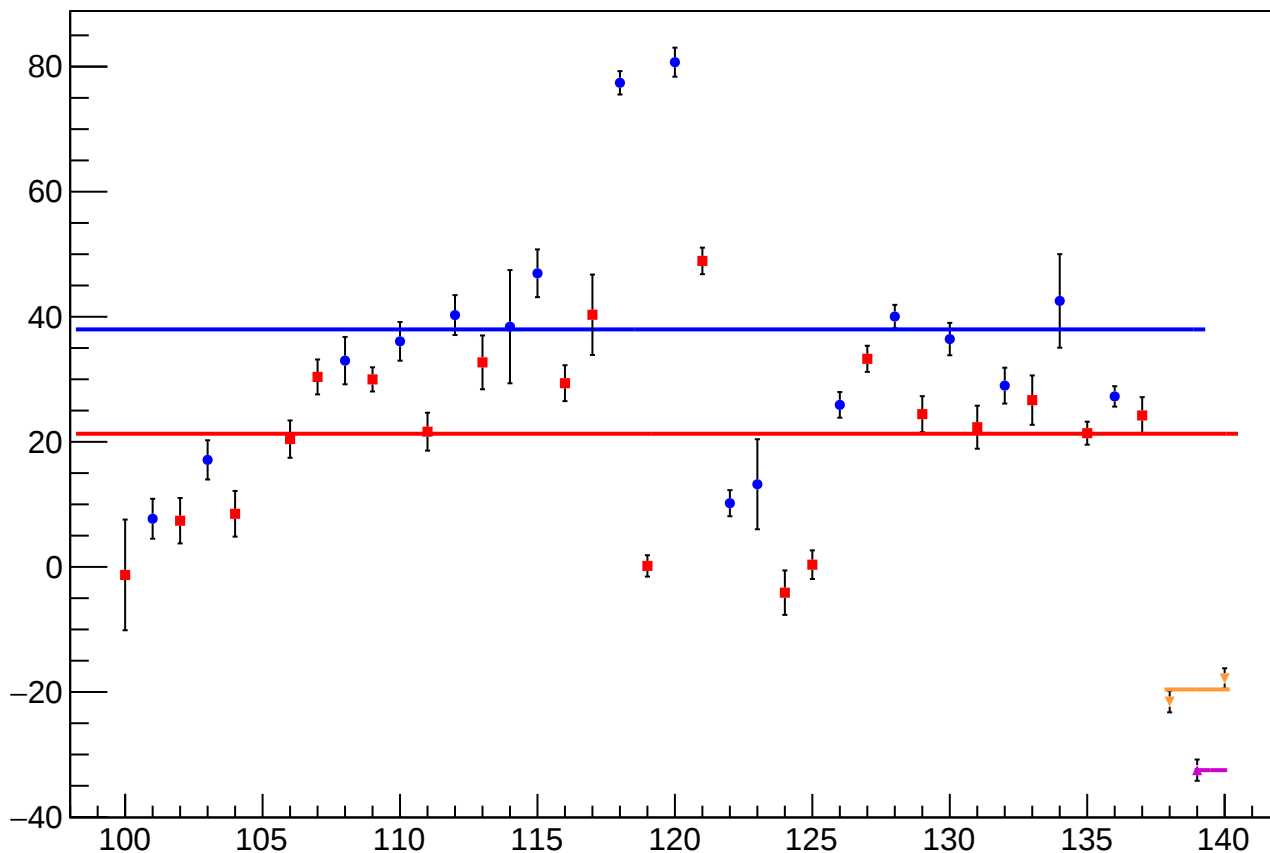
Left In: 1463.383+/-1.254 χ^2/NDF : 0.0/0

1772.333+/-0.439 χ^2/NDF : 214140.5/18

1785.119+/-0.316 χ^2/NDF : 372796.1/39

1798.914+/-0.456 χ^2/NDF : 156890.1/20

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.979 ± 0.637 χ^2/NDF : 1204.3/16

Left Out: -19.595 ± 1.181 χ^2/NDF : 2.5/1

Right Out: 21.294 ± 0.606 χ^2/NDF : 582.5/19

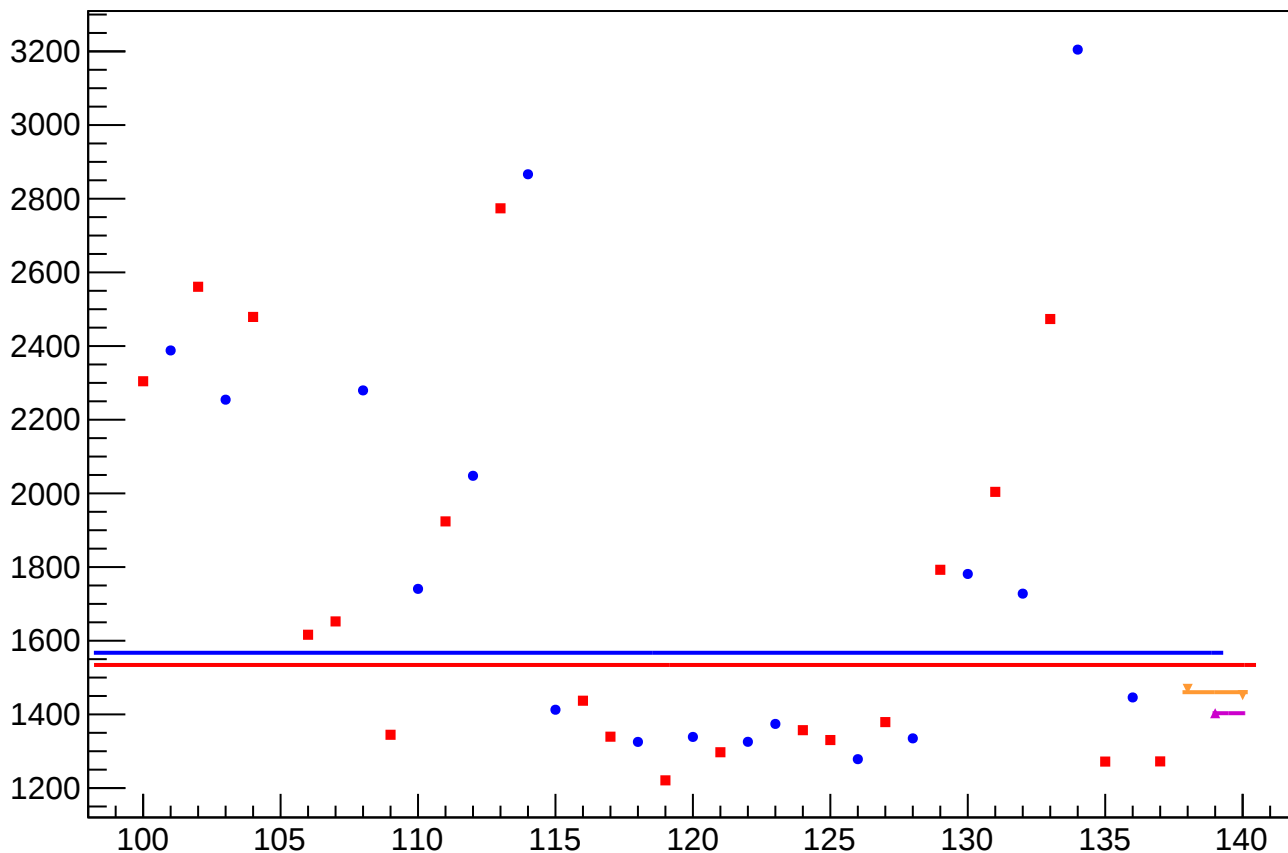
Left In: -32.500 ± 1.702 χ^2/NDF : 0.0/0

24.999 ± 0.561 χ^2/NDF : 3046.3/18

20.208 ± 0.400 χ^2/NDF : 4663.7/39

15.250 ± 0.571 χ^2/NDF : 1469.0/20

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1567.328+/-0.451 χ^2/NDF : 673450.6/16

Left Out: 1460.304+/-0.835 χ^2/NDF : 105.4/1

Right Out: 1534.225+/-0.428 χ^2/NDF : 883947.6/19

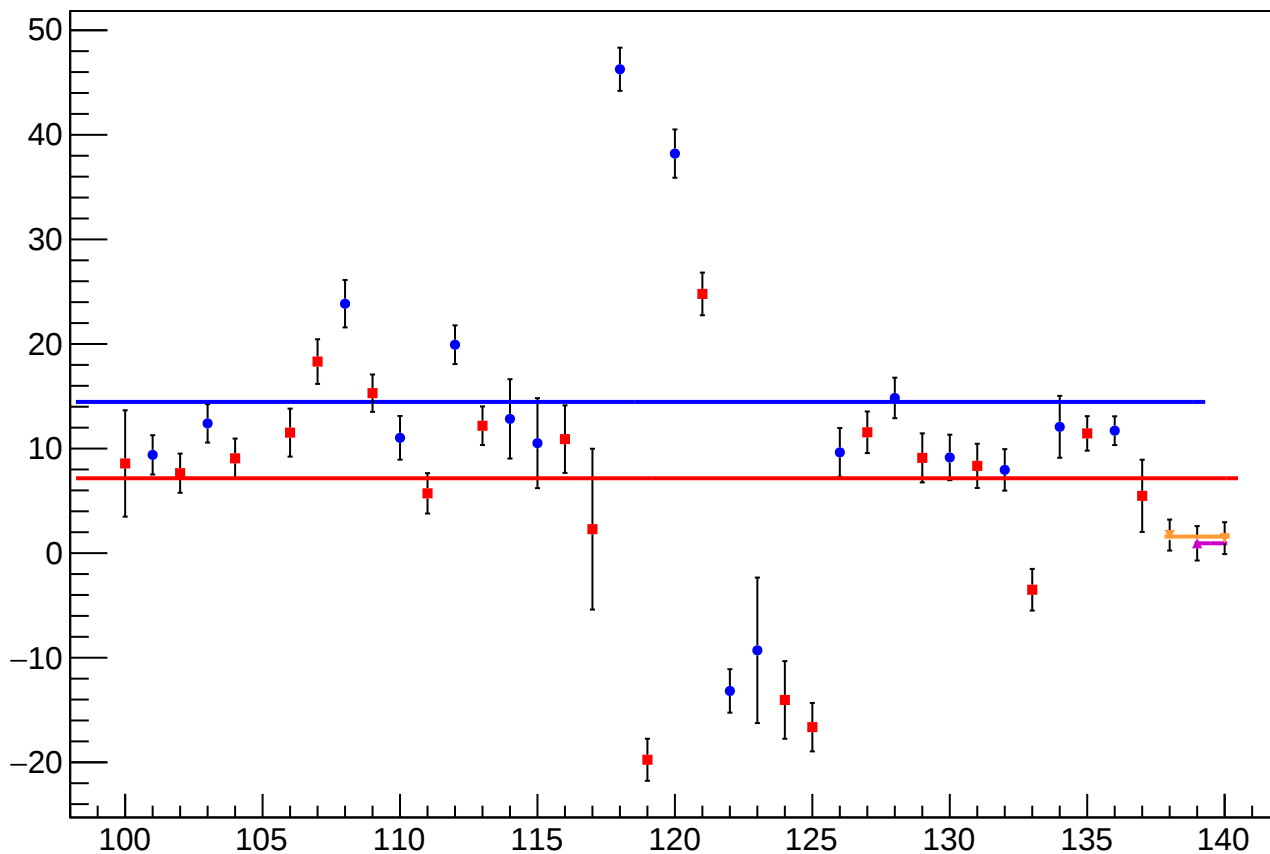
Left In: 1403.254+/-1.204 χ^2/NDF : 0.0/0

1543.200+/-0.397 χ^2/NDF : 686269.5/18

1531.557+/-0.283 χ^2/NDF : 1582480.1/39

1519.508+/-0.403 χ^2/NDF : 894457.1/20

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.461 $\pm$ 0.523 χ^2 /NDF: 595.9/16

Left Out: 1.585 $\pm$ 1.062 χ^2 /NDF: 0.0/1

Right Out: 7.161 $\pm$ 0.493 χ^2 /NDF: 496.1/19

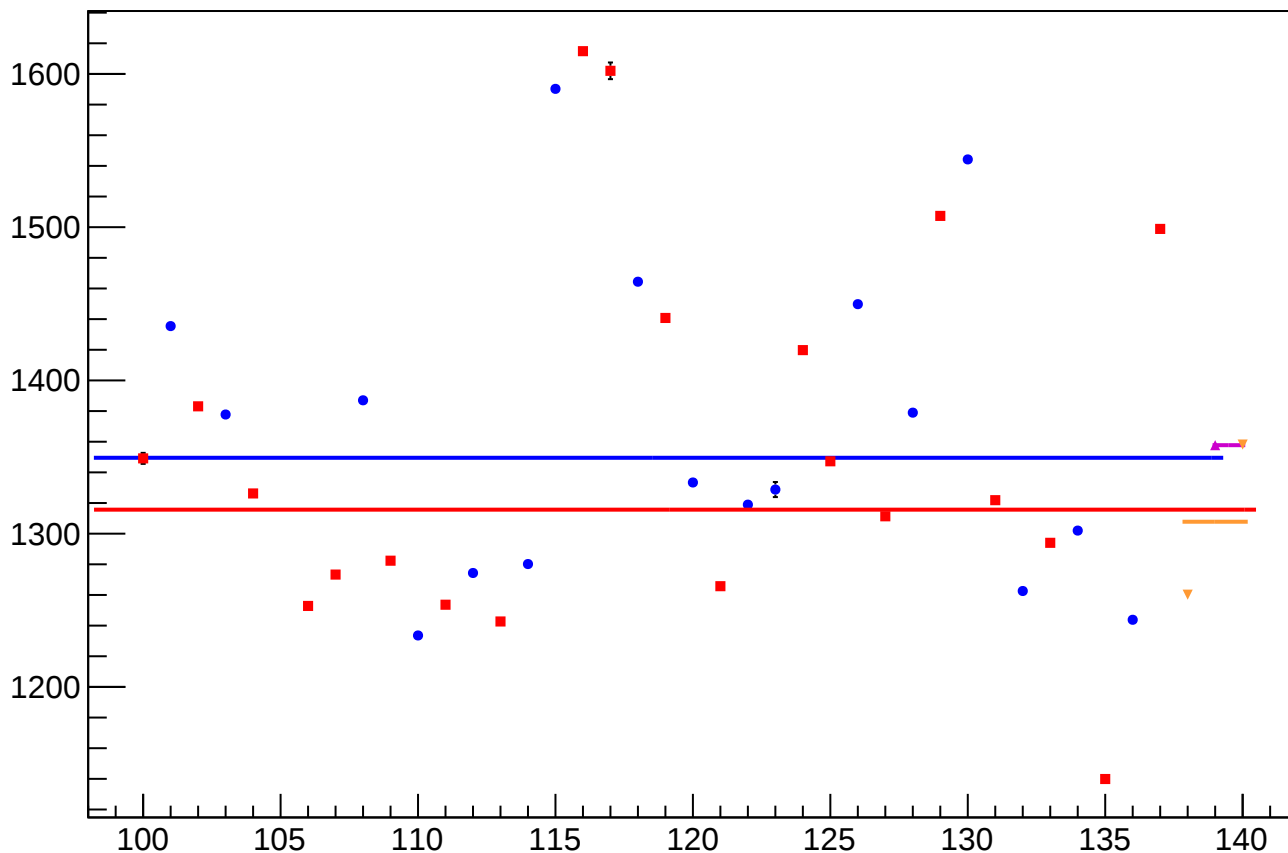
Left In: 0.942 $\pm$ 1.647 χ^2 /NDF: 0.0/0

11.948 $\pm$ 0.469 χ^2 /NDF: 714.1/18

9.316 $\pm$ 0.333 χ^2 /NDF: 1286.6/39

6.649 $\pm$ 0.473 χ^2 /NDF: 509.1/20

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.522 ± 0.370 $\chi^2/\text{NDF}: 64667.6/16$

Left Out: 1307.789 ± 0.751 $\chi^2/\text{NDF}: 4247.8/1$

Right Out: 1315.669 ± 0.349 $\chi^2/\text{NDF}: 83739.0/19$

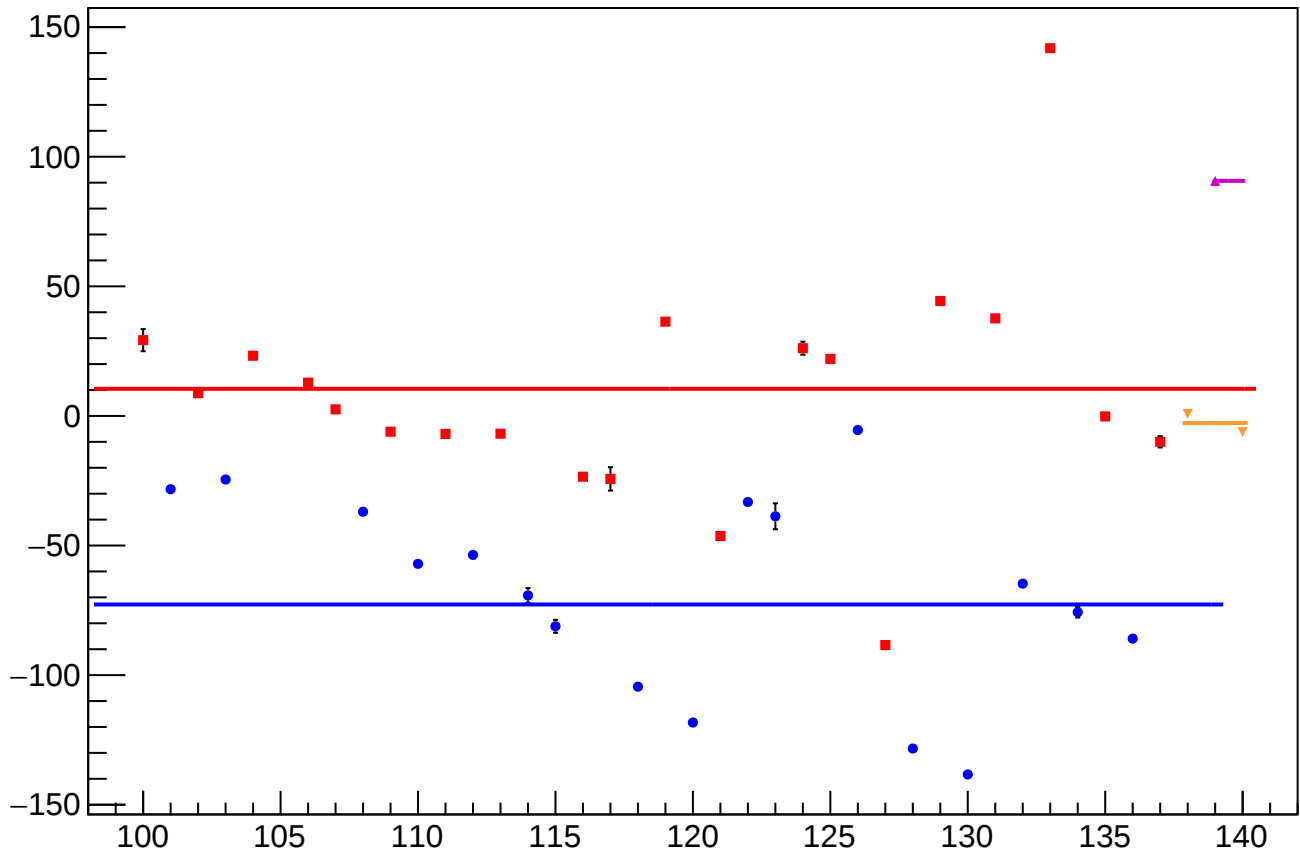
Left In: 1357.746 ± 1.165 $\chi^2/\text{NDF}: 0.0/0$

1341.377 ± 0.332 $\chi^2/\text{NDF}: 71398.9/18$

1330.331 ± 0.235 $\chi^2/\text{NDF}: 158566.0/39$

1319.133 ± 0.334 $\chi^2/\text{NDF}: 84936.8/20$

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.741 ± 0.362 $\chi^2/\text{NDF}: 11690.4/16$

Left Out: -2.743 ± 0.735 $\chi^2/\text{NDF}: 22.6/1$

Right Out: 10.459 ± 0.351 $\chi^2/\text{NDF}: 18230.6/19$

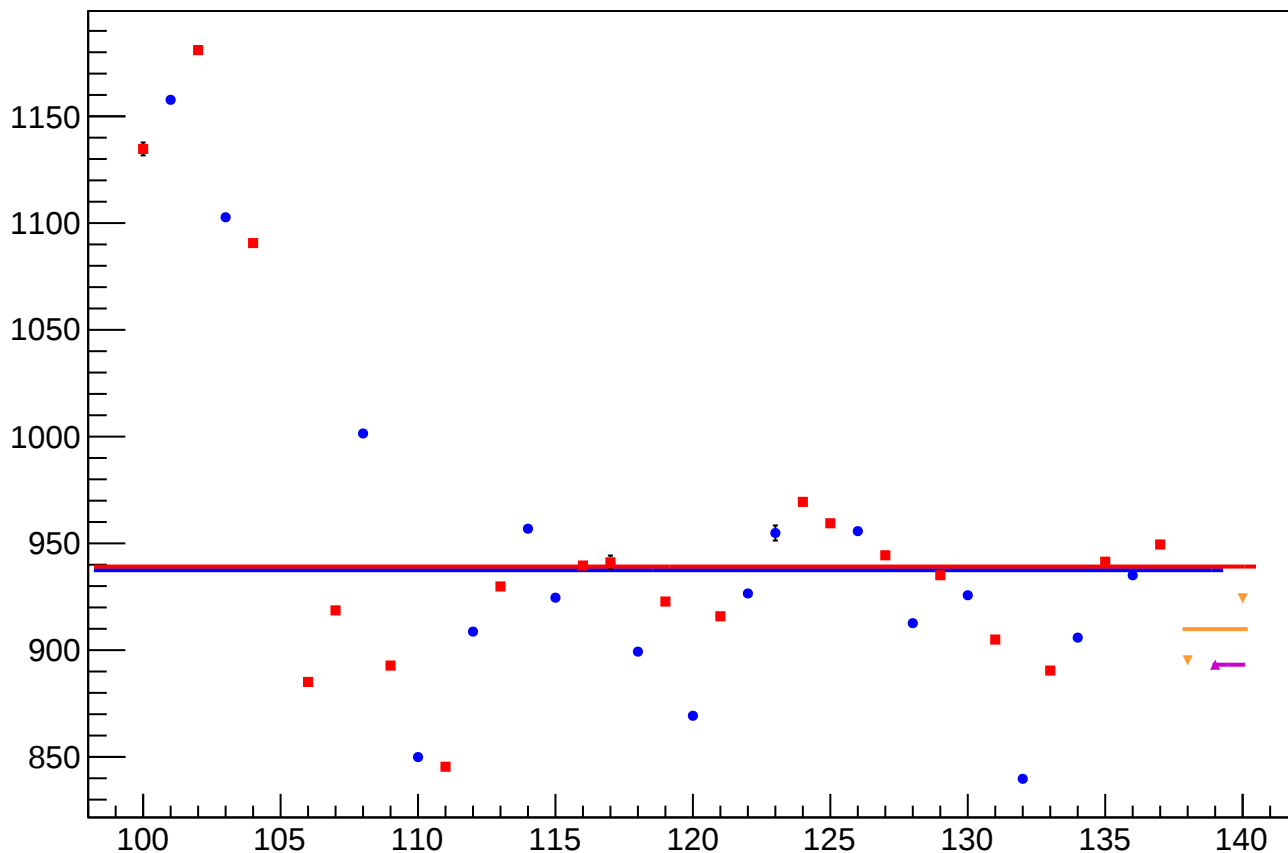
Left In: 90.679 ± 1.082 $\chi^2/\text{NDF}: 0.0/0$

-59.067 ± 0.325 $\chi^2/\text{NDF}: 19002.9/18$

-21.544 ± 0.233 $\chi^2/\text{NDF}: 69609.3/39$

18.102 ± 0.334 $\chi^2/\text{NDF}: 23199.5/20$

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 909.864 $\pm$ 0.520 χ^2 /NDF: 779.9/1

Right Out: 939.152 $\pm$ 0.248 χ^2 /NDF: 90253.6/19

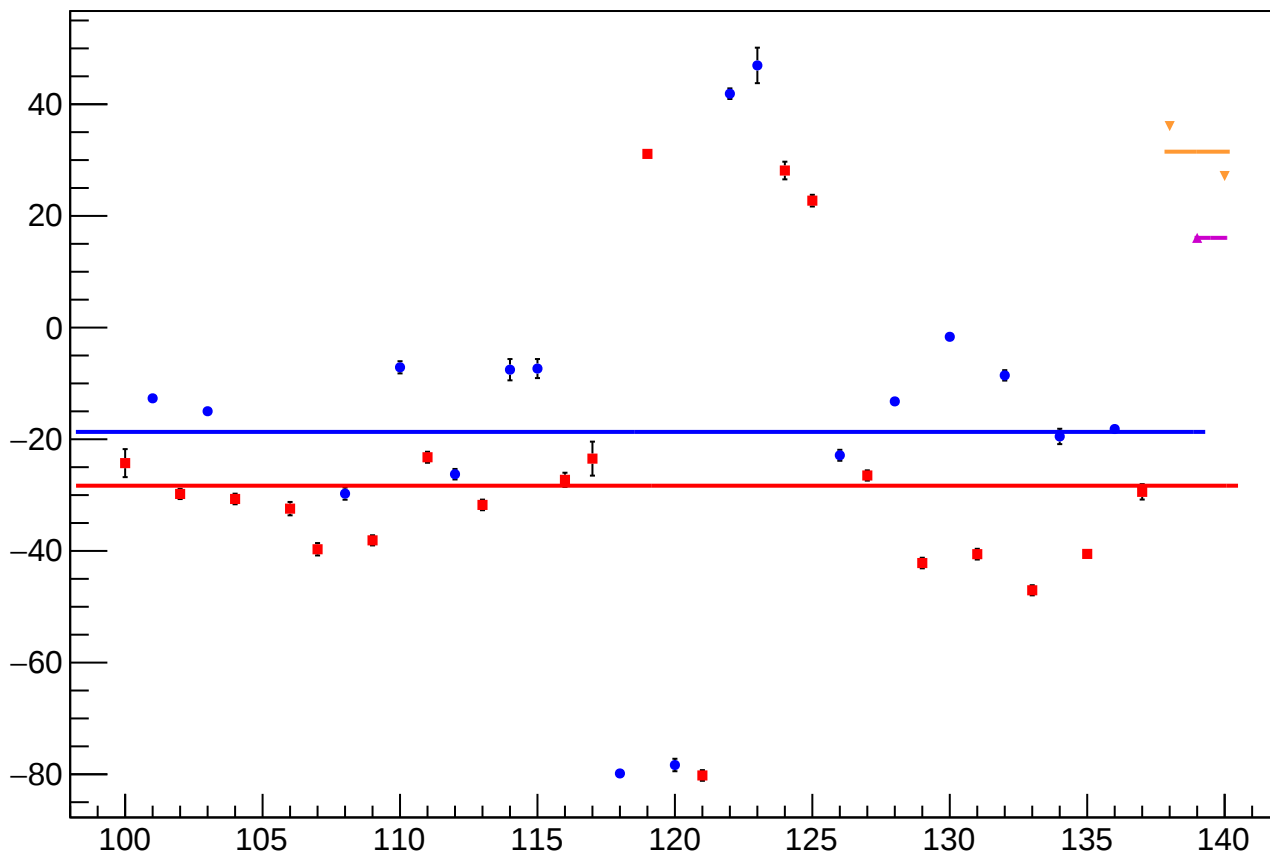
Left In: 893.182 $\pm$ 0.765 χ^2 /NDF: 0.0/0

932.064 $\pm$ 0.230 χ^2 /NDF: 101352.5/18

933.381 $\pm$ 0.165 χ^2 /NDF: 194937.0/39

934.772 $\pm$ 0.236 χ^2 /NDF: 93517.0/20

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 31.505 ± 0.516 $\chi^2/\text{NDF}: 75.1/1$

Right Out: -28.318 ± 0.235 $\chi^2/\text{NDF}: 12510.6/19$

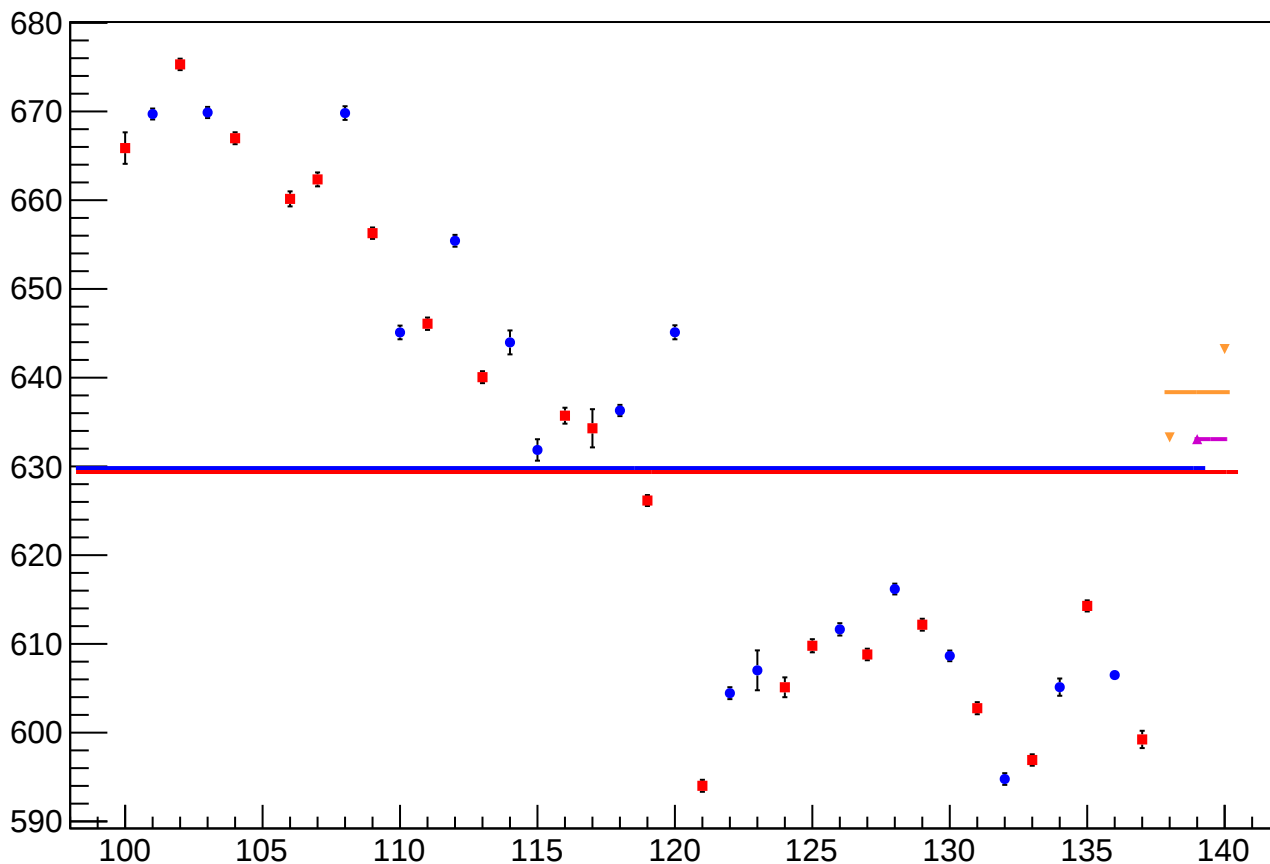
Left In: 16.072 ± 0.767 $\chi^2/\text{NDF}: 0.0/0$

-9.588 ± 0.220 $\chi^2/\text{NDF}: 20833.5/18$

-16.887 ± 0.157 $\chi^2/\text{NDF}: 38665.9/39$

-24.517 ± 0.224 $\chi^2/\text{NDF}: 15572.0/20$

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 638.369 $\pm$ 0.365 χ^2 /NDF:186.1/1

Right Out: 629.370 $\pm$ 0.166 χ^2 /NDF: 25543.7/19

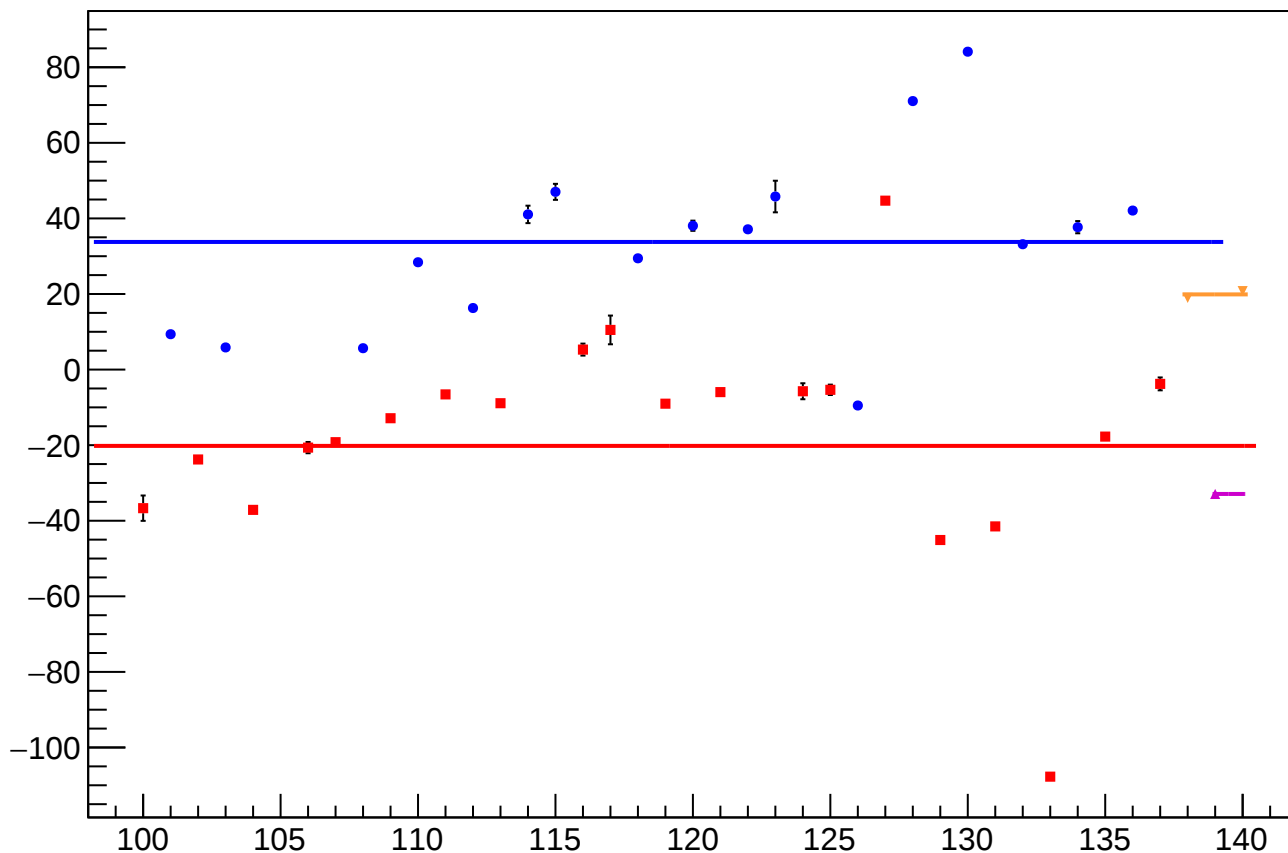
Left In: 633.075 $\pm$ 0.542 χ^2 /NDF:0.0/0

631.365 $\pm$ 0.155 χ^2 /NDF: 23934.8/18

630.544 $\pm$ 0.111 χ^2 /NDF: 49578.3/39

629.687 $\pm$ 0.159 χ^2 /NDF: 25586.4/20

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.773+/-0.300 χ^2/NDF : 6487.9/16

Left Out: 19.895+/-0.782 χ^2/NDF : 1.3/1

Right Out: -20.193+/-0.292 χ^2/NDF : 11353.3/19

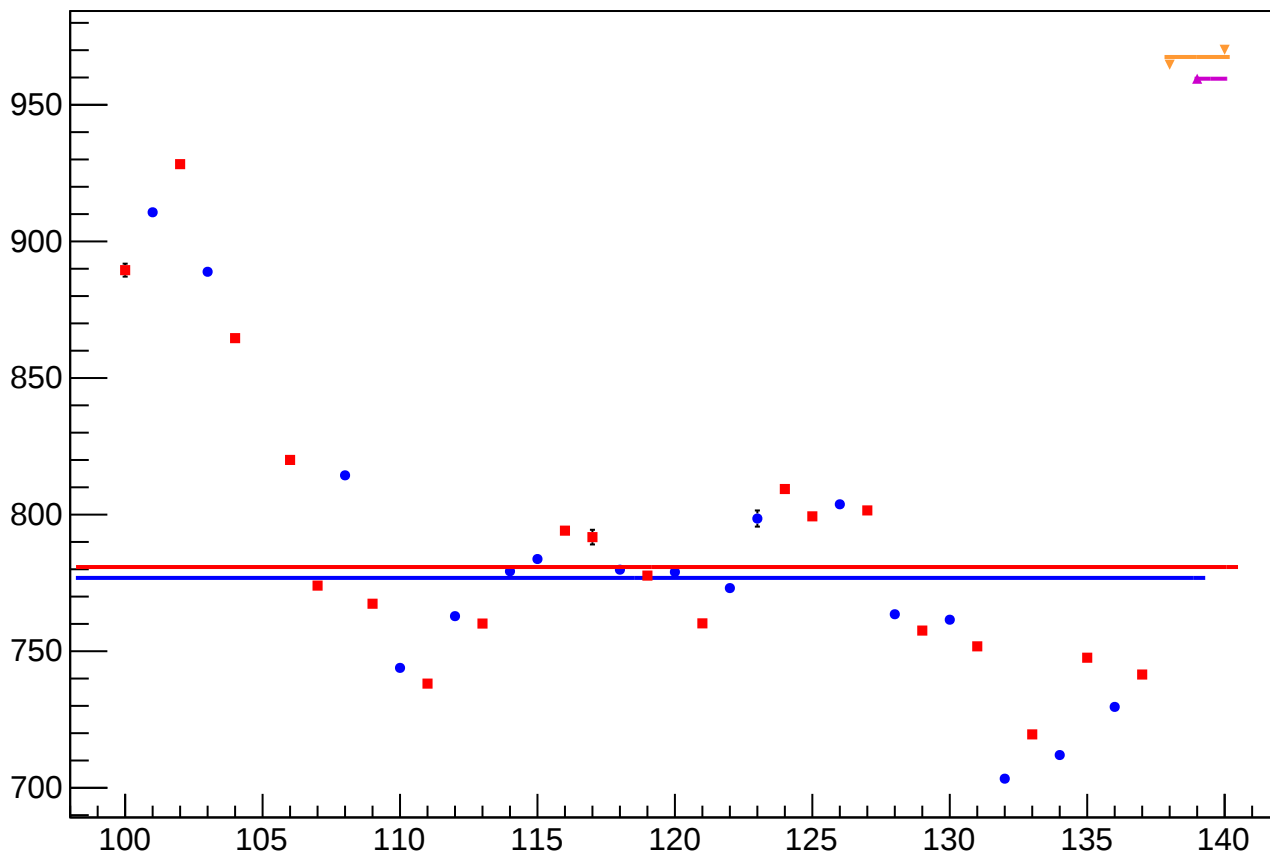
Left In: -32.912+/-1.163 χ^2/NDF : 0.0/0

31.994+/-0.280 χ^2/NDF : 6763.7/18

5.796+/-0.199 χ^2/NDF : 35917.8/39

-20.945+/-0.283 χ^2/NDF : 11465.8/20

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 967.514 $\pm$ 0.553 χ^2 /NDF: 24.4/1

Right Out: 780.820 $\pm$ 0.206 χ^2 /NDF: 57445.6/19

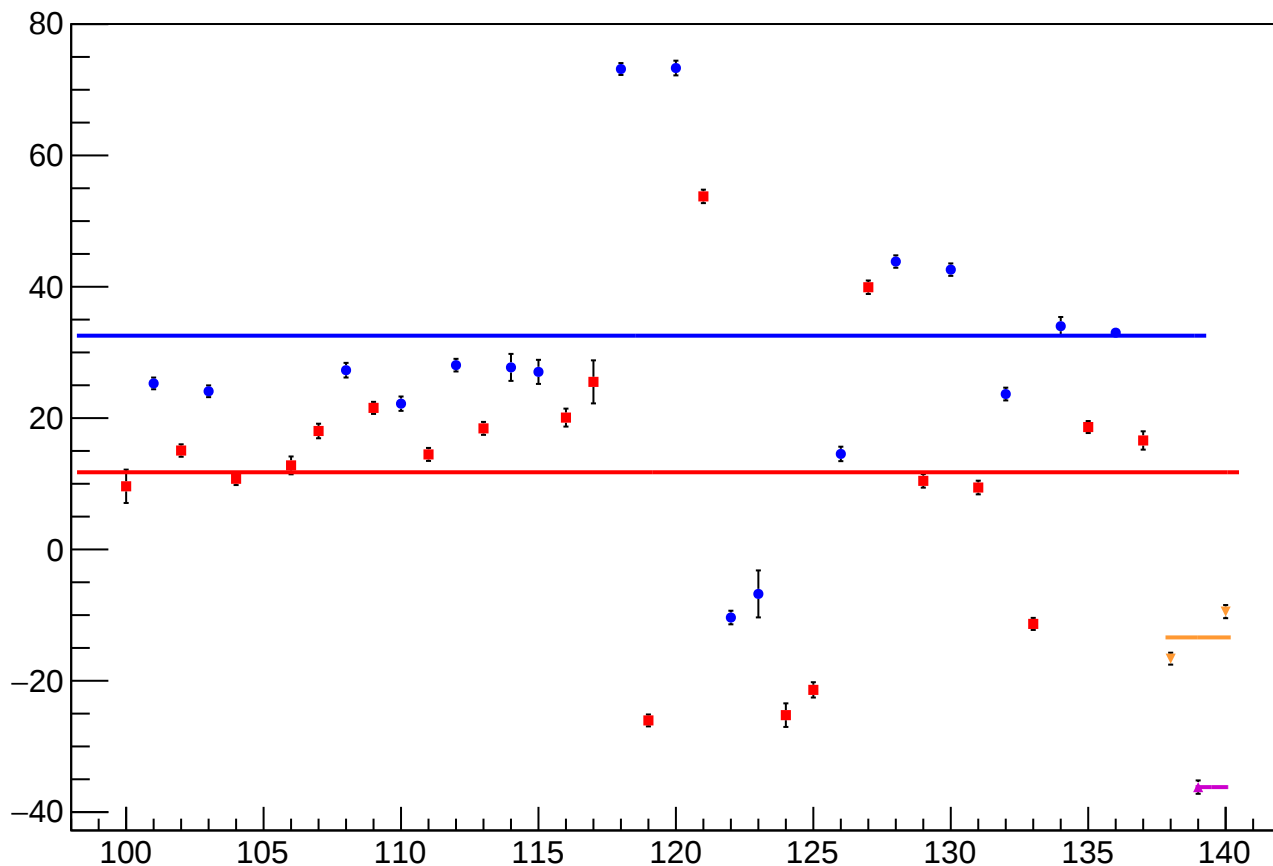
Left In: 959.558 $\pm$ 0.822 χ^2 /NDF: 0.0/0

801.281 $\pm$ 0.198 χ^2 /NDF: 171157.1/18

796.388 $\pm$ 0.141 χ^2 /NDF: 274270.7/39

791.393 $\pm$ 0.200 χ^2 /NDF: 101879.3/20

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.552 $\pm$ 0.253 χ^2 /NDF: 6073.0/16

Left Out: -13.396 $\pm$ 0.673 χ^2 /NDF: 28.1/1

Right Out: 11.752 $\pm$ 0.246 χ^2 /NDF: 6375.4/19

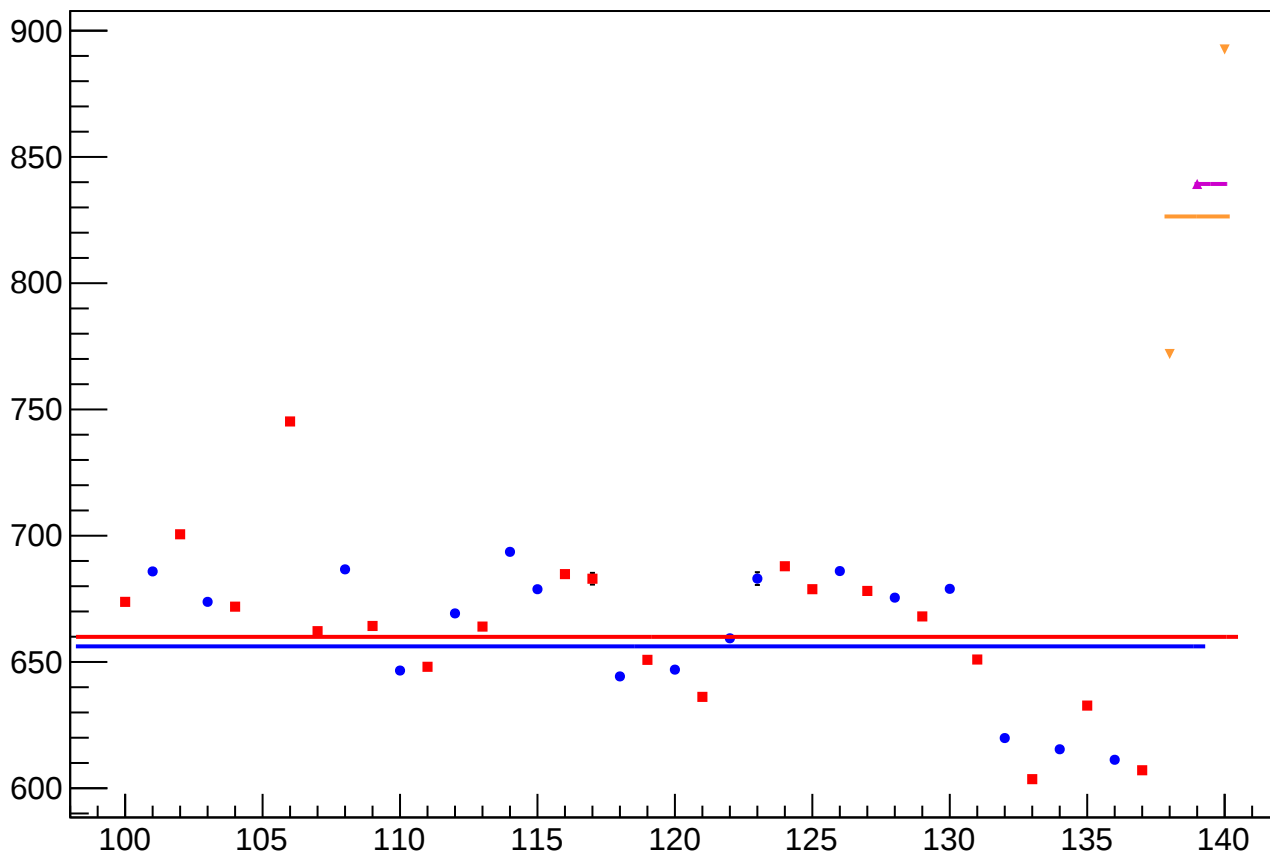
Left In: -36.192 $\pm$ 1.018 χ^2 /NDF: 0.0/0

26.872 $\pm$ 0.237 χ^2 /NDF: 10182.8/18

18.087 $\pm$ 0.168 χ^2 /NDF: 21437.6/39

9.103 $\pm$ 0.239 χ^2 /NDF: 8469.1/20

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 656.181 $\pm$ 0.179 χ^2 /NDF: 23569.6/16

Left Out: 826.428 $\pm$ 0.476 χ^2 /NDF: 15893.4/1

Right Out: 659.944 $\pm$ 0.174 χ^2 /NDF: 28425.0/19

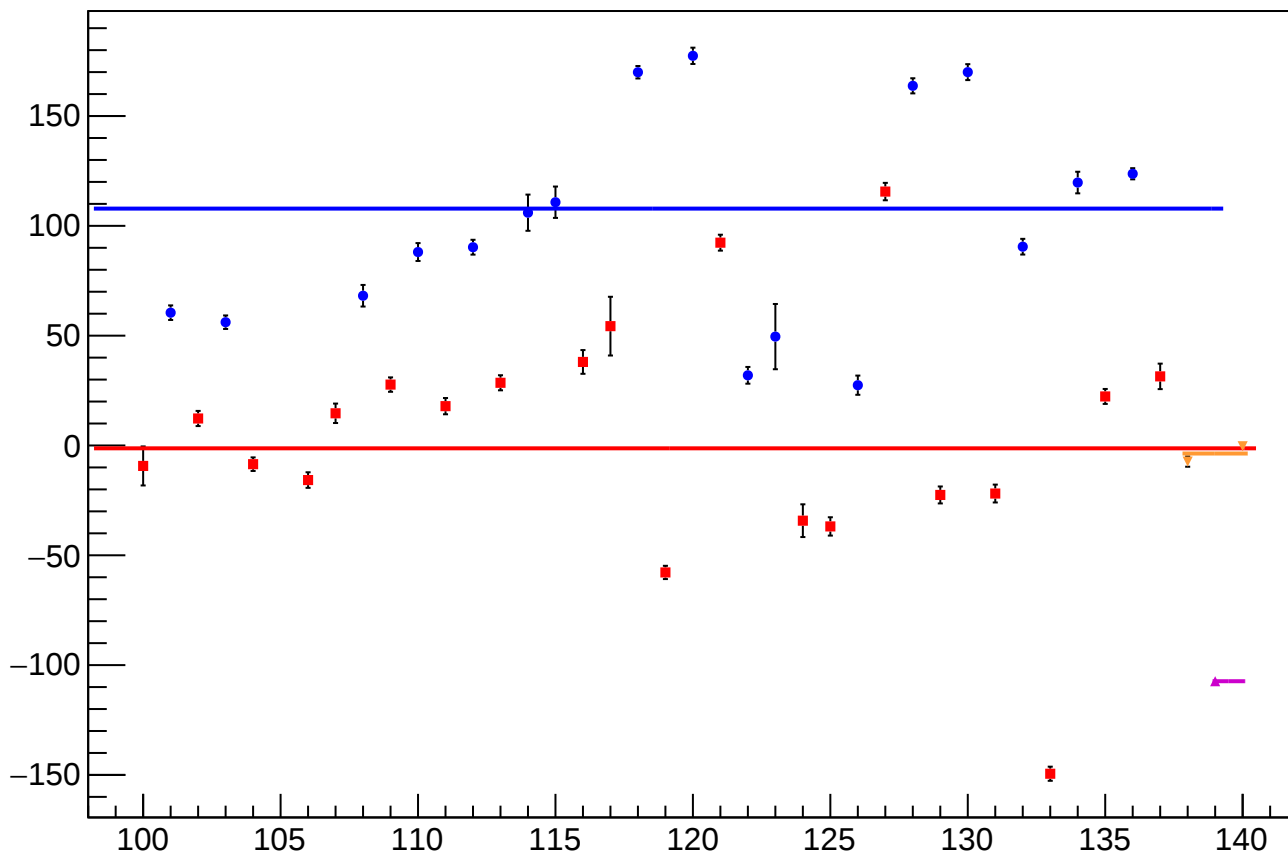
Left In: 839.299 $\pm$ 0.720 χ^2 /NDF: 0.0/0

677.226 $\pm$ 0.167 χ^2 /NDF: 151533.9/18

673.581 $\pm$ 0.119 χ^2 /NDF: 239517.8/39

669.853 $\pm$ 0.169 χ^2 /NDF: 87024.8/20

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.852 $\pm$ 0.922 χ^2 /NDF: 2809.0/16

Left Out: -3.664 $\pm$ 1.604 χ^2 /NDF: 4.7/1

Right Out: -1.299 $\pm$ 0.881 χ^2 /NDF: 4541.1/19

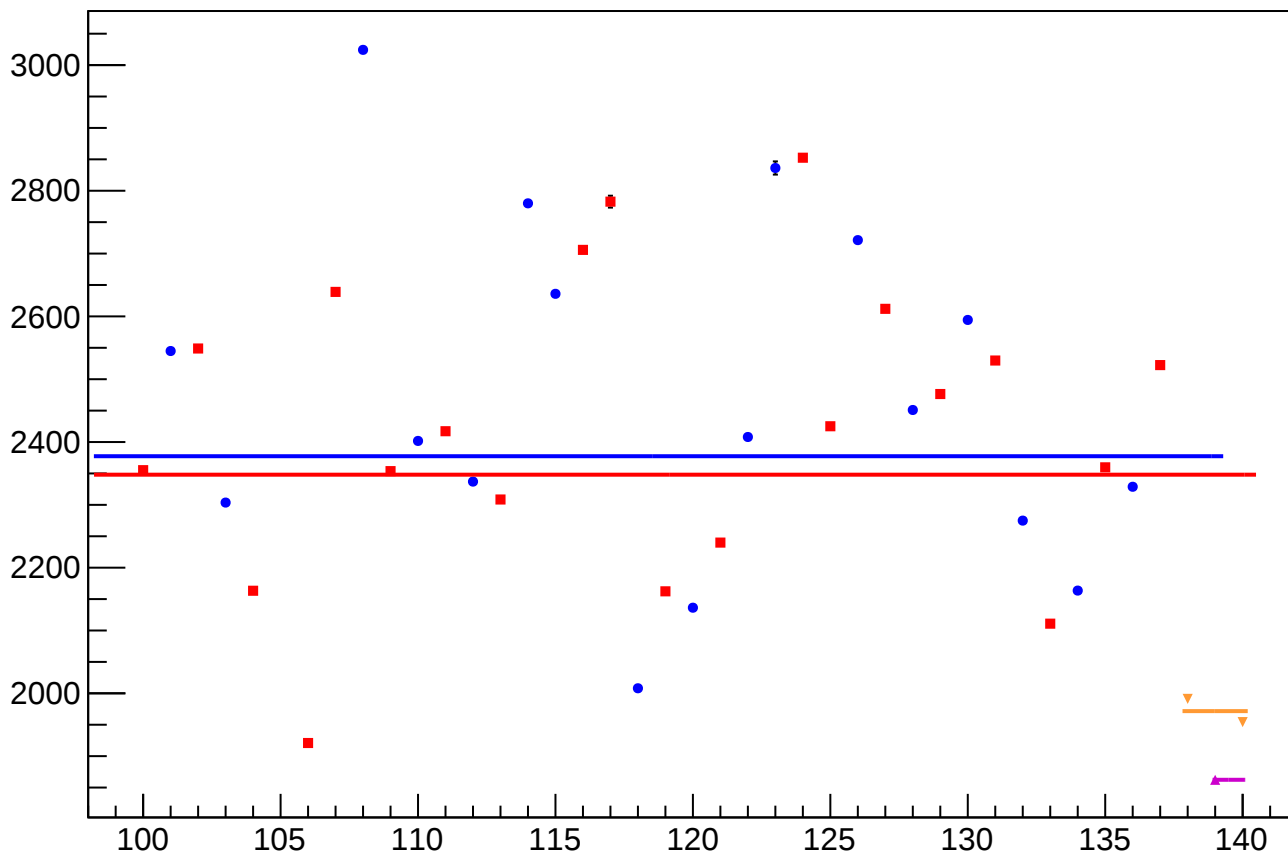
Left In: -107.337 $\pm$ 2.277 χ^2 /NDF: 0.0/0

80.180 $\pm$ 0.799 χ^2 /NDF: 6447.4/18

33.881 $\pm$ 0.573 χ^2 /NDF: 19784.0/39

-15.112 $\pm$ 0.822 χ^2 /NDF: 6426.6/20

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 1971.661+/-1.134 χ^2/NDF : 264.9/1

Right Out: 2348.017+/-0.623 χ^2/NDF : 110379.6/19

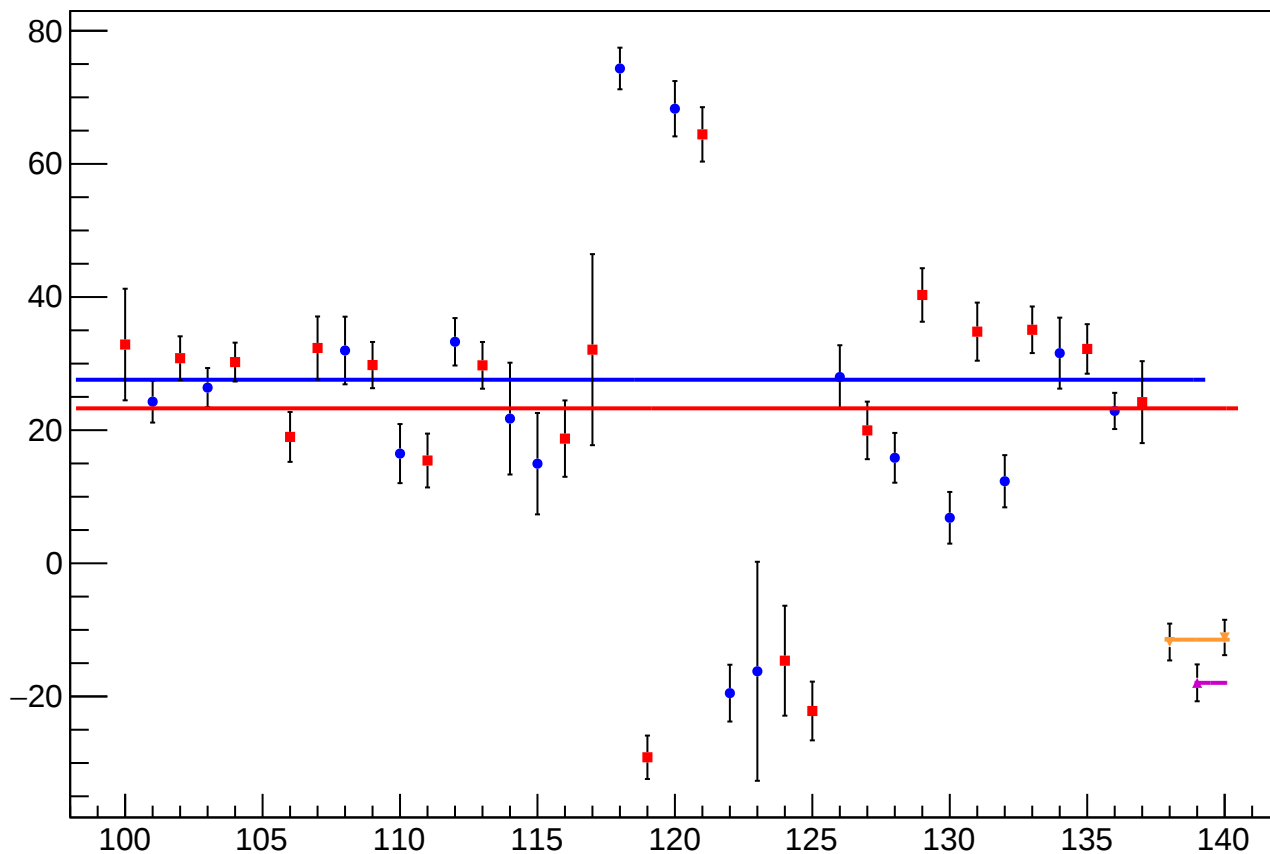
Left In: 1862.360+/-1.610 χ^2/NDF : 0.0/0

2276.736+/-0.565 χ^2/NDF : 216129.8/18

2280.630+/-0.405 χ^2/NDF : 405711.1/39

2284.751+/-0.581 χ^2/NDF : 189483.6/20

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.577 ± 0.975 χ^2/NDF : 519.6/16

Left Out: -11.470 ± 1.915 χ^2/NDF : 0.0/1

Right Out: 23.280 ± 0.925 χ^2/NDF : 558.2/19

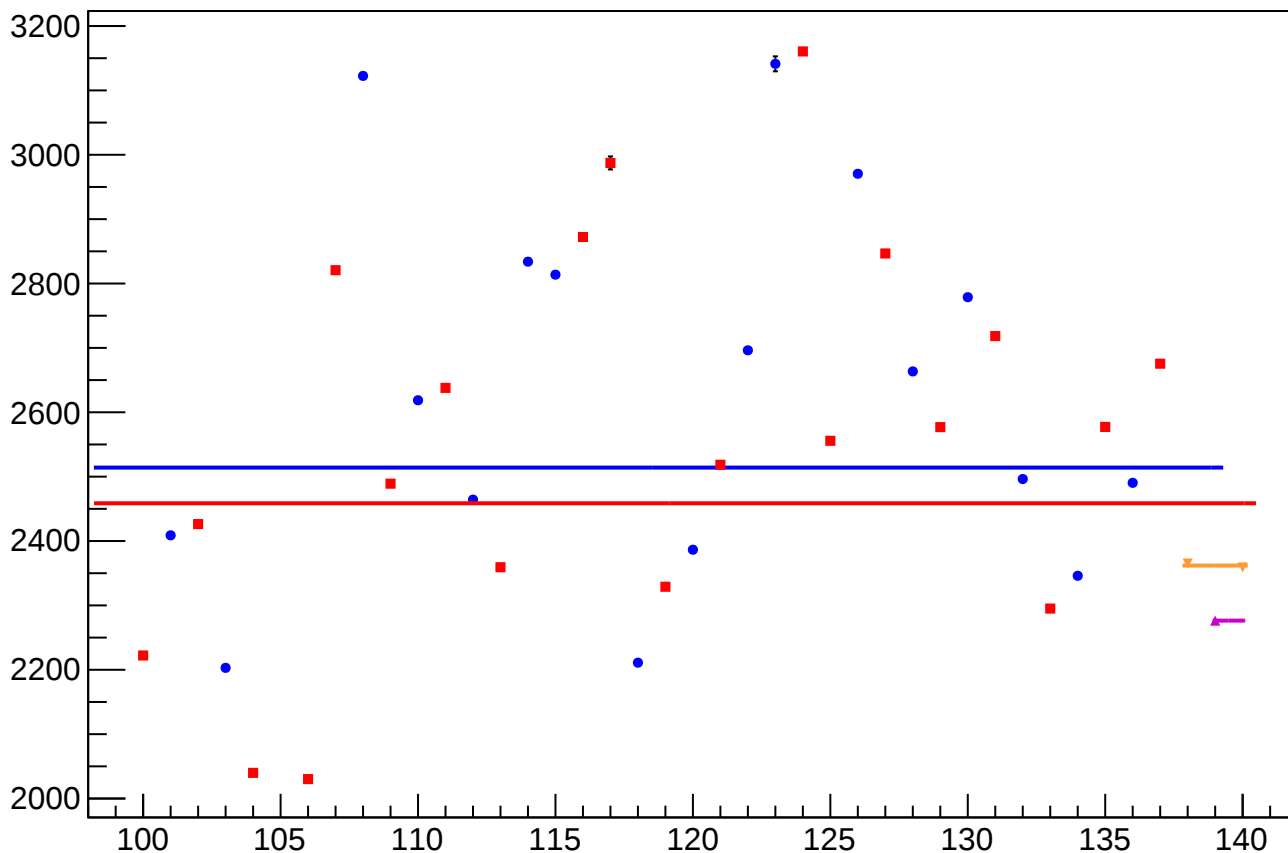
Left In: -17.956 ± 2.769 χ^2/NDF : 0.0/0

19.545 ± 0.869 χ^2/NDF : 849.7/18

19.345 ± 0.617 χ^2/NDF : 1607.4/39

19.141 ± 0.877 χ^2/NDF : 757.7/20

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2361.898+/-1.354 χ^2/NDF : 4.9/1

Right Out: 2458.665+/-0.654 χ^2/NDF : 152458.1/19

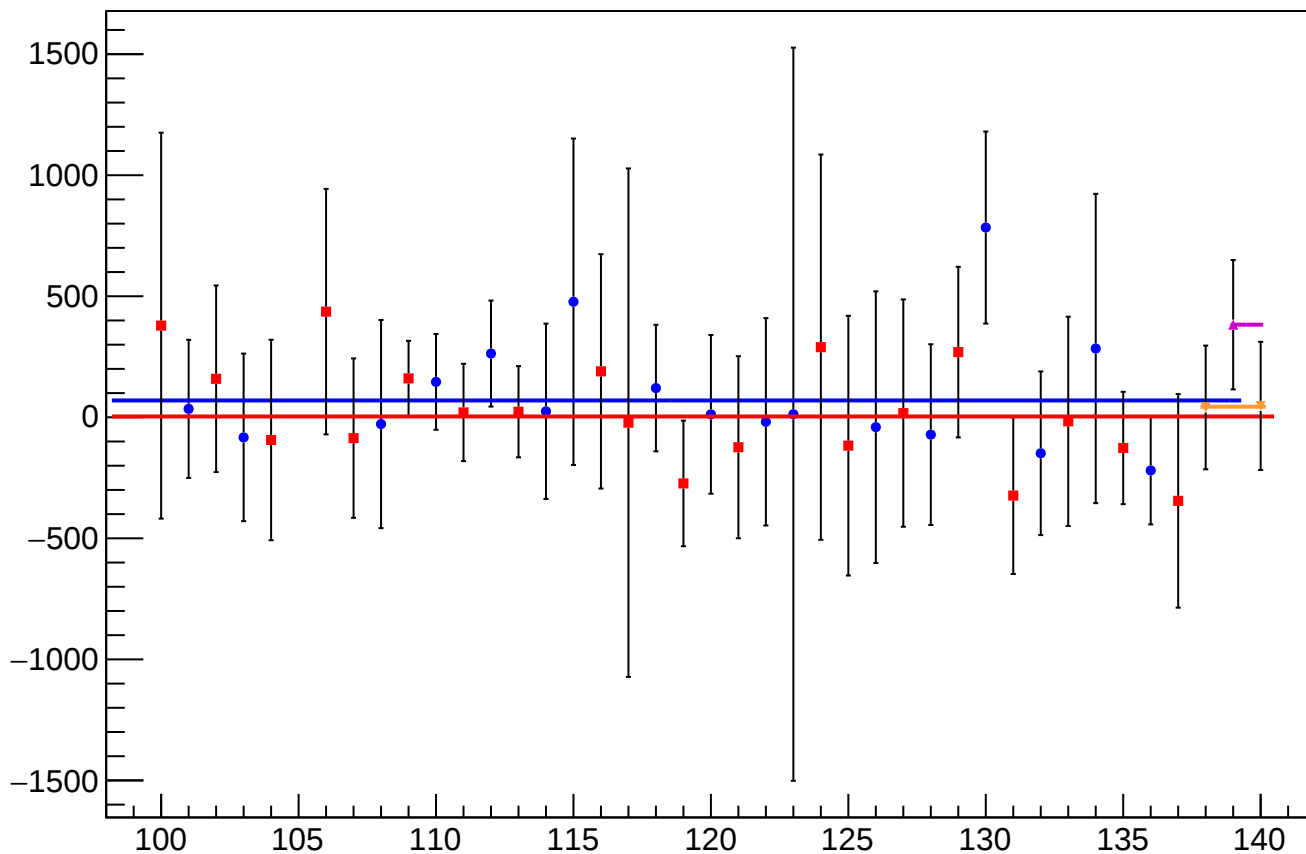
Left In: 2276.365+/-1.958 χ^2/NDF : 0.0/0

2482.783+/-0.614 χ^2/NDF : 130994.6/18

2461.786+/-0.437 χ^2/NDF : 293609.0/39

2440.367+/-0.620 χ^2/NDF : 160254.3/20

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.587 $\pm$ 79.023 χ^2 /NDF: 7.3/16

Left Out: 43.687 $\pm$ 183.834 χ^2 /NDF: 0.0/1

Right Out: 3.448 $\pm$ 69.825 χ^2 /NDF: 6.4/19

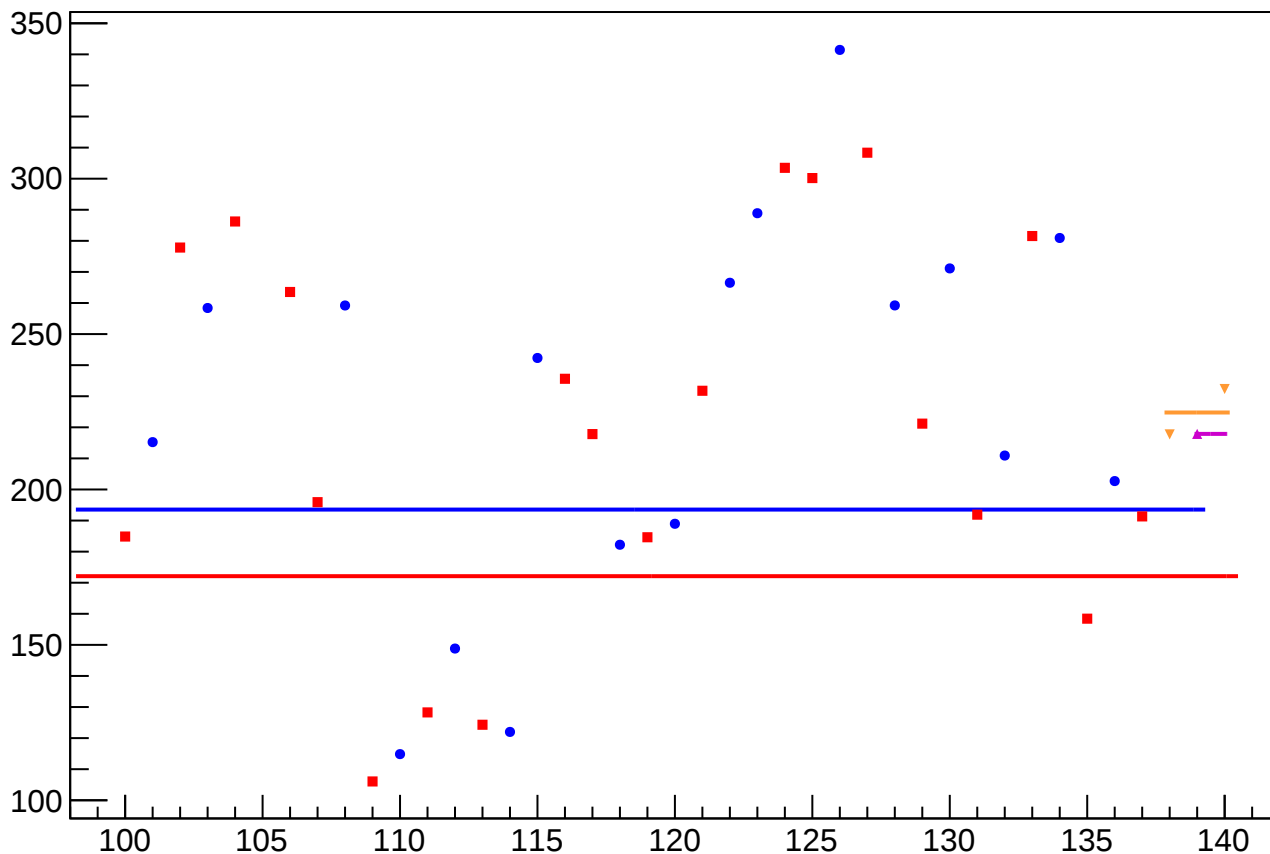
Left In: 382.565 $\pm$ 267.287 χ^2 /NDF: 0.0/0

65.548 $\pm$ 72.600 χ^2 /NDF: 7.3/18

45.246 $\pm$ 49.457 χ^2 /NDF: 15.8/39

27.667 $\pm$ 67.558 χ^2 /NDF: 8.3/20

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.533+/-0.056 χ^2/NDF : 1010428.2/16

Left Out: 224.769+/-0.130 χ^2/NDF : 3148.1/1

Right Out: 172.104+/-0.049 χ^2/NDF : 1580690.9/19

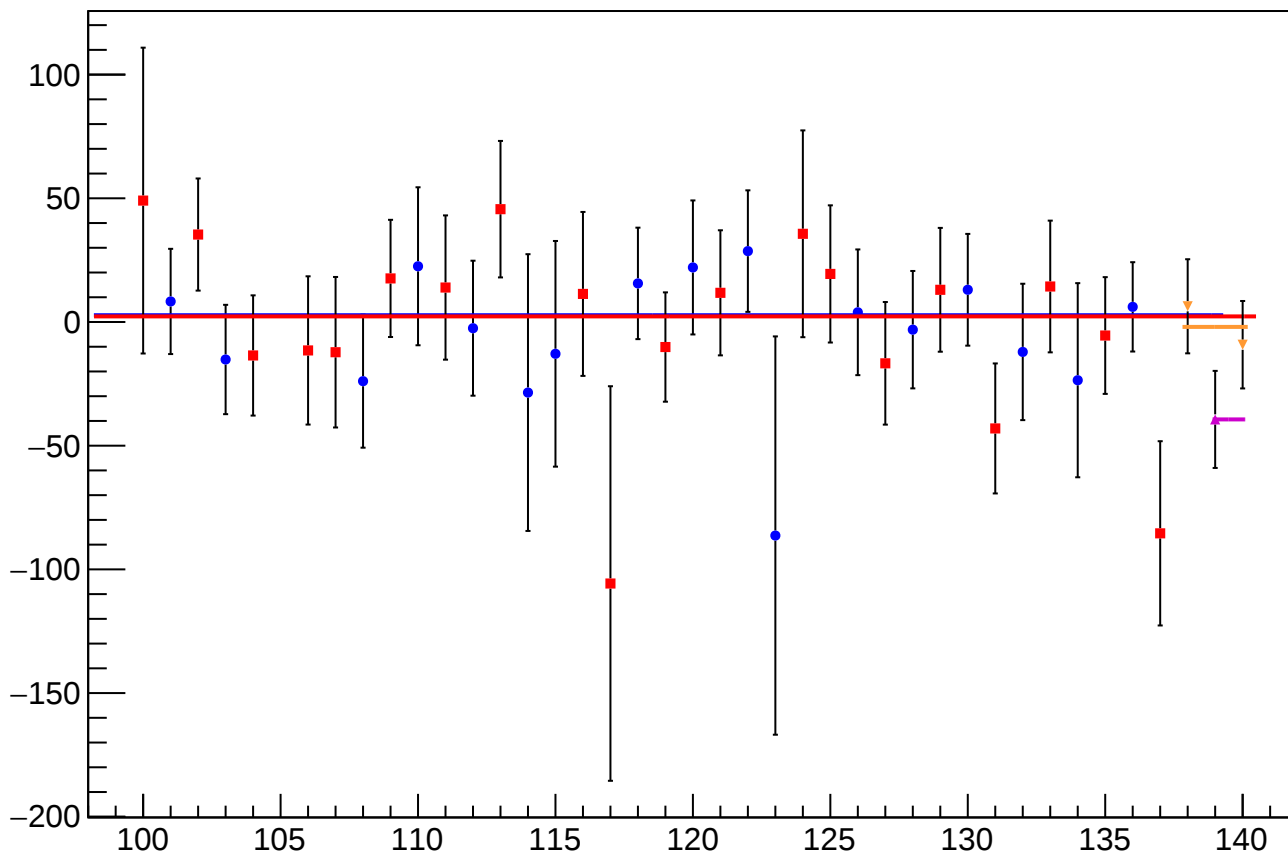
Left In: 217.884+/-0.189 χ^2/NDF : 0.0/0

198.405+/-0.051 χ^2/NDF : 1062311.0/18

185.877+/-0.035 χ^2/NDF : 2809053.7/39

175.028+/-0.048 χ^2/NDF : 1635615.9/20

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: -1.986 $\pm$ 12.947 χ^2 /NDF: 0.4/1

Right Out: 2.259 $\pm$ 6.259 χ^2 /NDF: 19.6/19

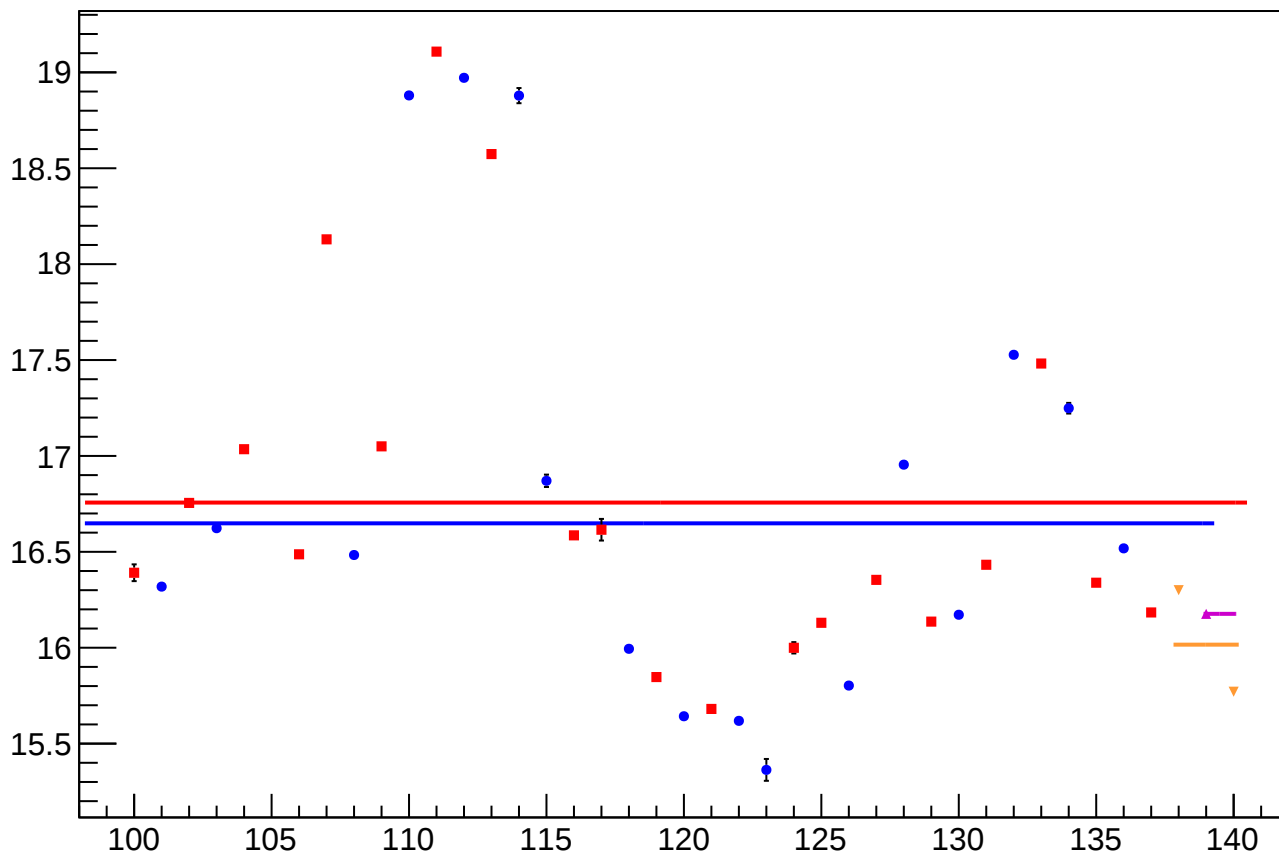
Left In: -39.381 $\pm$ 19.619 χ^2 /NDF: 0.0/0

1.801 $\pm$ 5.755 χ^2 /NDF: 7.2/18

0.167 $\pm$ 4.141 χ^2 /NDF: 31.1/39

-1.588 $\pm$ 5.963 χ^2 /NDF: 23.7/20

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.649 ± 0.005 $\chi^2/\text{NDF}: 42566.9/16$

Left Out: 16.016 ± 0.009 $\chi^2/\text{NDF}: 831.6/1$

Right Out: 16.757 ± 0.004 $\chi^2/\text{NDF}: 39957.1/19$

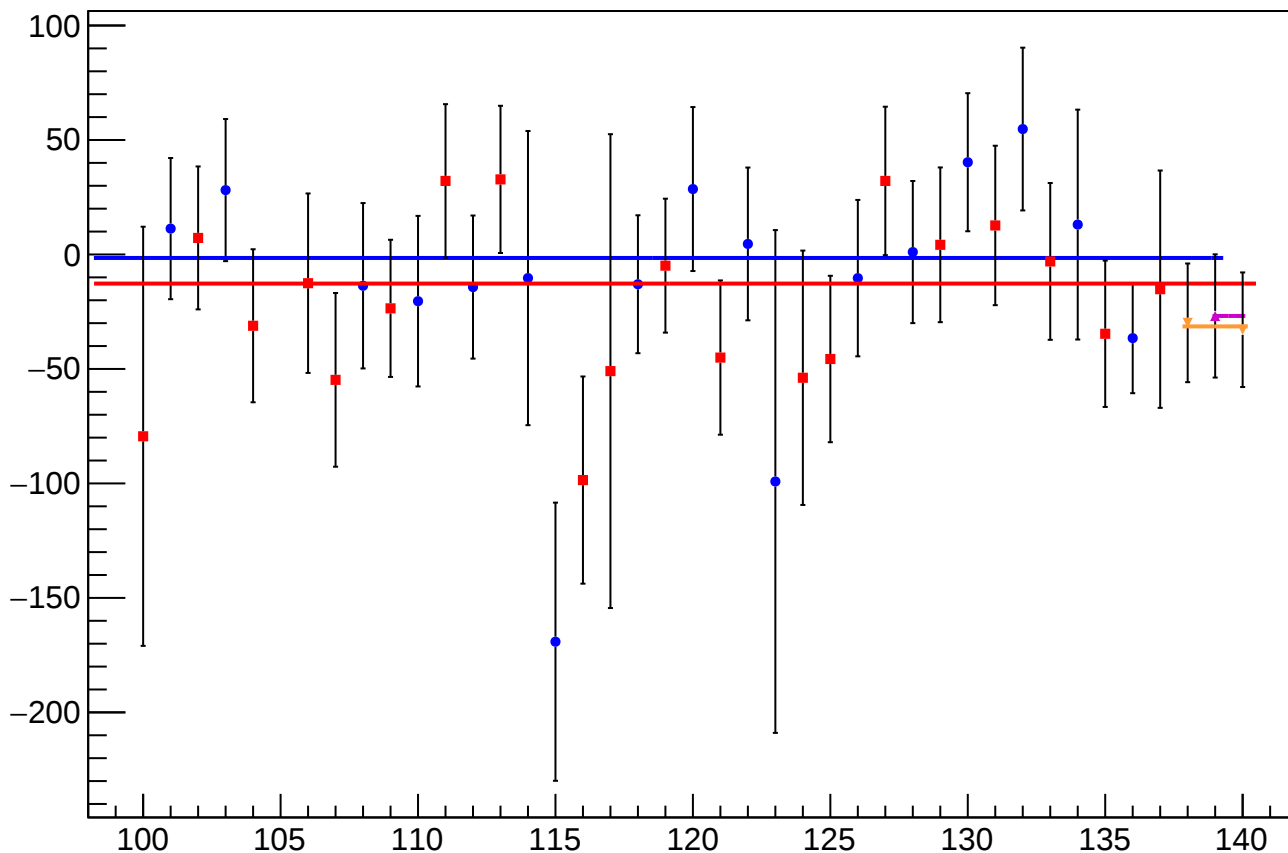
Left In: 16.177 ± 0.014 $\chi^2/\text{NDF}: 0.0/0$

16.524 ± 0.004 $\chi^2/\text{NDF}: 47229.5/18$

16.610 ± 0.003 $\chi^2/\text{NDF}: 89714.1/39$

16.703 ± 0.004 $\chi^2/\text{NDF}: 41544.8/20$

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.523 ± 8.485 $\chi^2/\text{NDF}: 17.6/16$

Left Out: -31.421 ± 18.004 $\chi^2/\text{NDF}: 0.0/1$

Right Out: -12.716 ± 8.185 $\chi^2/\text{NDF}: 15.7/19$

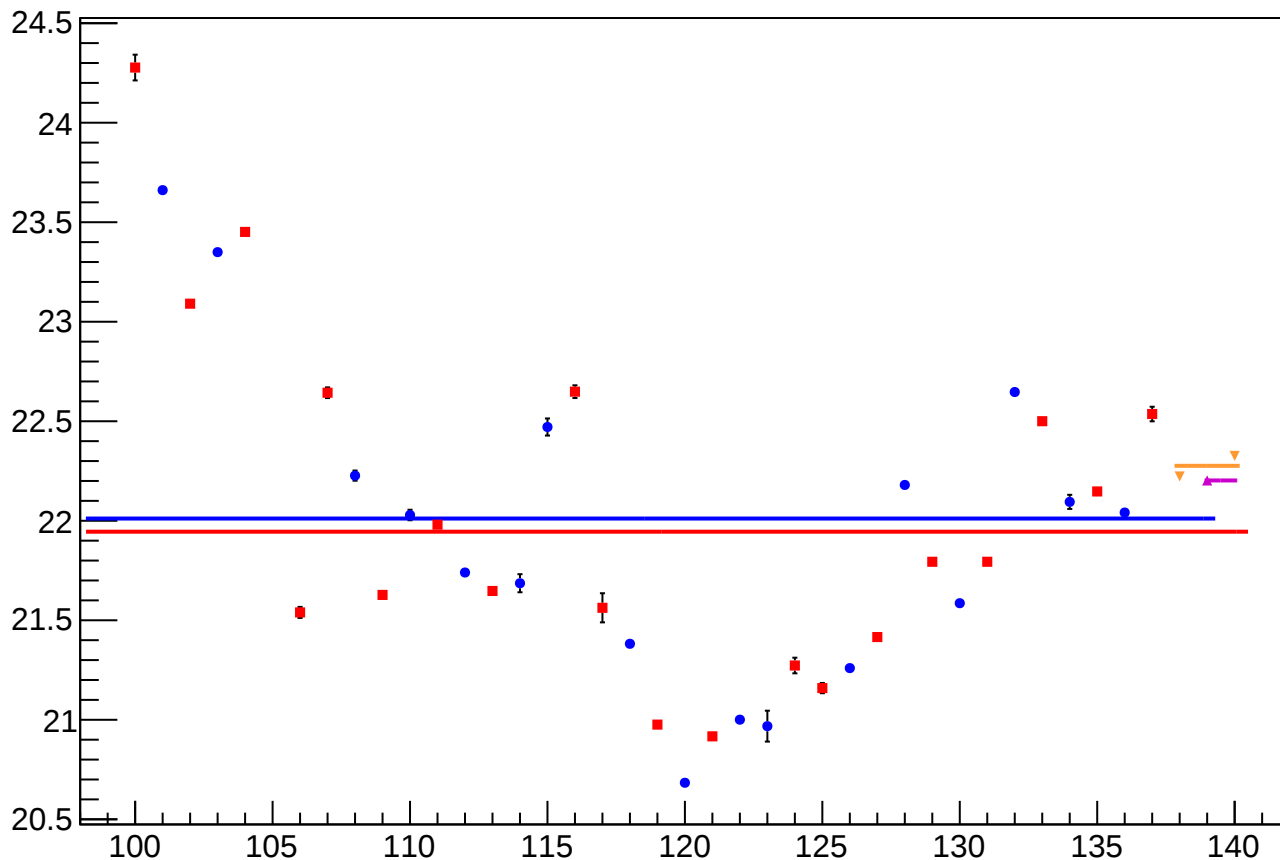
Left In: -26.855 ± 26.912 $\chi^2/\text{NDF}: 0.0/0$

-6.957 ± 7.675 $\chi^2/\text{NDF}: 19.9/18$

-10.365 ± 5.481 $\chi^2/\text{NDF}: 36.3/39$

-13.913 ± 7.830 $\chi^2/\text{NDF}: 16.0/20$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.011 $\pm$ 0.006 χ^2 /NDF: 17546.9/16

Left Out: 22.276 $\pm$ 0.013 χ^2 /NDF:16.4/1

Right Out: 21.945 $\pm$ 0.006 χ^2 /NDF: 16620.2/19

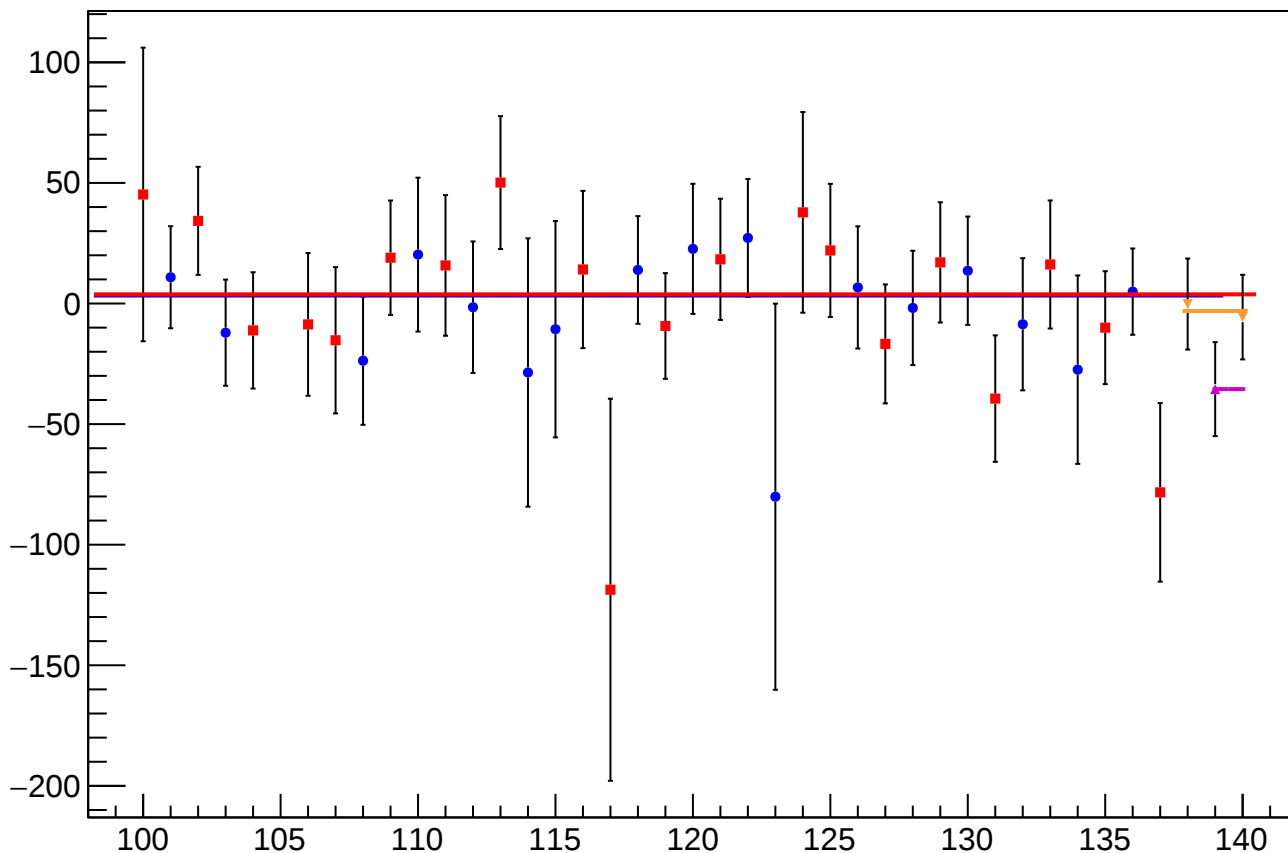
Left In: 22.203 $\pm$ 0.019 χ^2 /NDF:0.0/0

22.059 $\pm$ 0.005 χ^2 /NDF: 17917.5/18

22.014 $\pm$ 0.004 χ^2 /NDF: 34847.5/39

21.967 $\pm$ 0.006 χ^2 /NDF: 16787.8/20

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.317+/-6.388 χ^2/NDF : 6.3/16

Left Out: -3.124+/-12.846 χ^2/NDF : 0.0/1

Right Out: 3.800+/-6.224 χ^2/NDF : 20.1/19

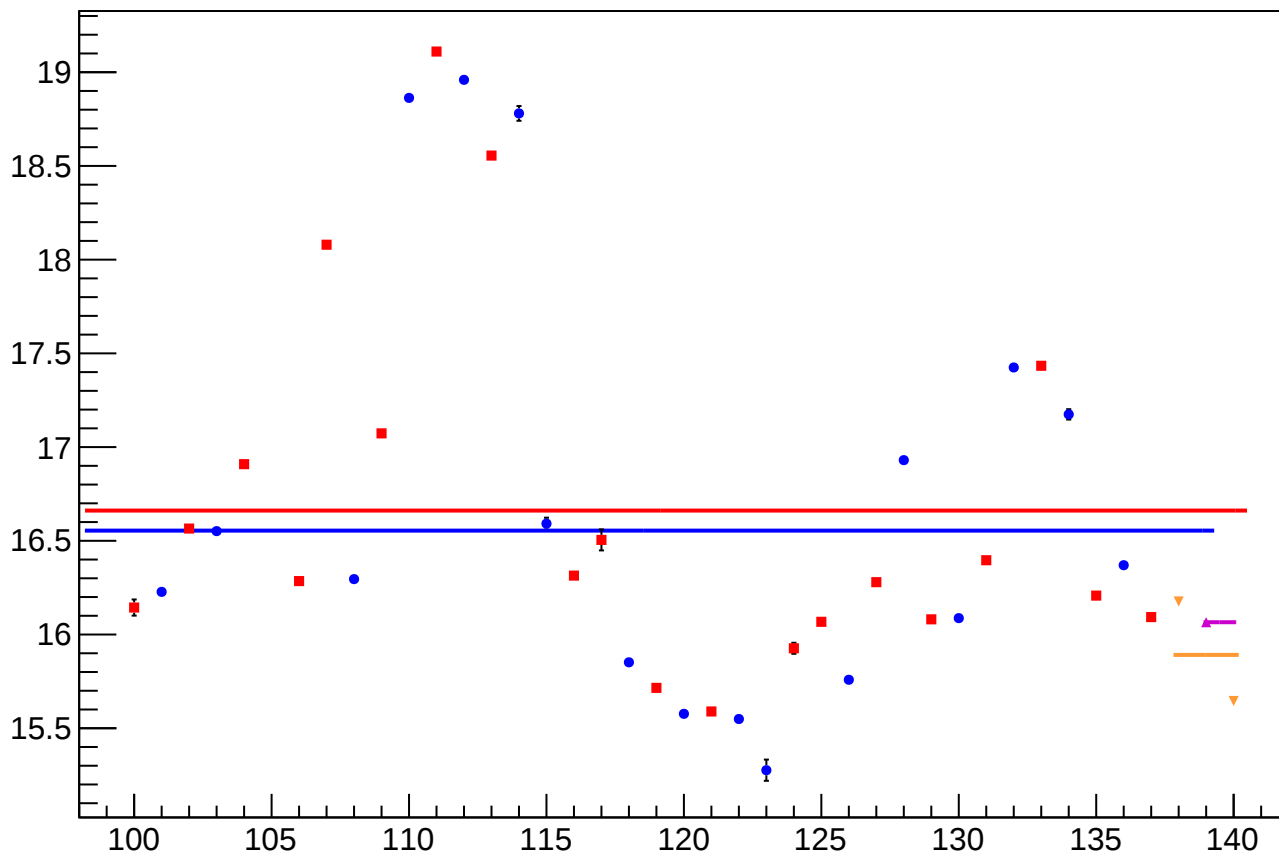
Left In: -35.496+/-19.484 χ^2/NDF : 0.0/0

2.040+/-5.720 χ^2/NDF : 6.5/18

1.134+/-4.117 χ^2/NDF : 30.4/39

0.161+/-5.929 χ^2/NDF : 23.8/20

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.554 $\pm$ 0.005 χ^2 /NDF: 44475.2/16

Left Out: 15.891 $\pm$ 0.009 χ^2 /NDF: 849.0/1

Right Out: 16.661 $\pm$ 0.004 χ^2 /NDF: 43071.4/19

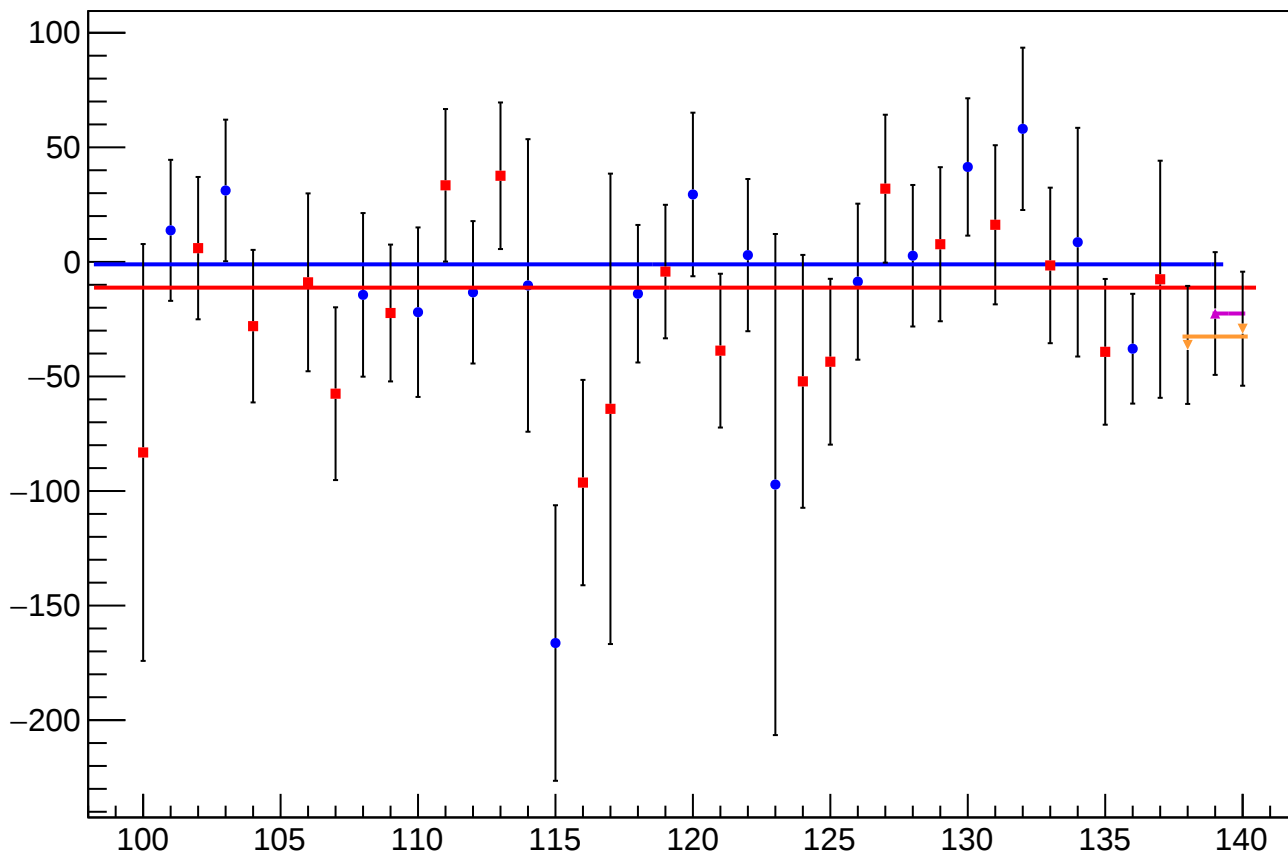
Left In: 16.066 $\pm$ 0.014 χ^2 /NDF: 0.0/0

16.423 $\pm$ 0.004 χ^2 /NDF: 49595.9/18

16.511 $\pm$ 0.003 χ^2 /NDF: 95353.0/39

16.606 $\pm$ 0.004 χ^2 /NDF: 44767.5/20

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.068 ± 8.444 χ^2/NDF : 18.5/16

Left Out: -32.577 ± 17.897 χ^2/NDF : 0.0/1

Right Out: -11.235 ± 8.143 χ^2/NDF : 16.5/19

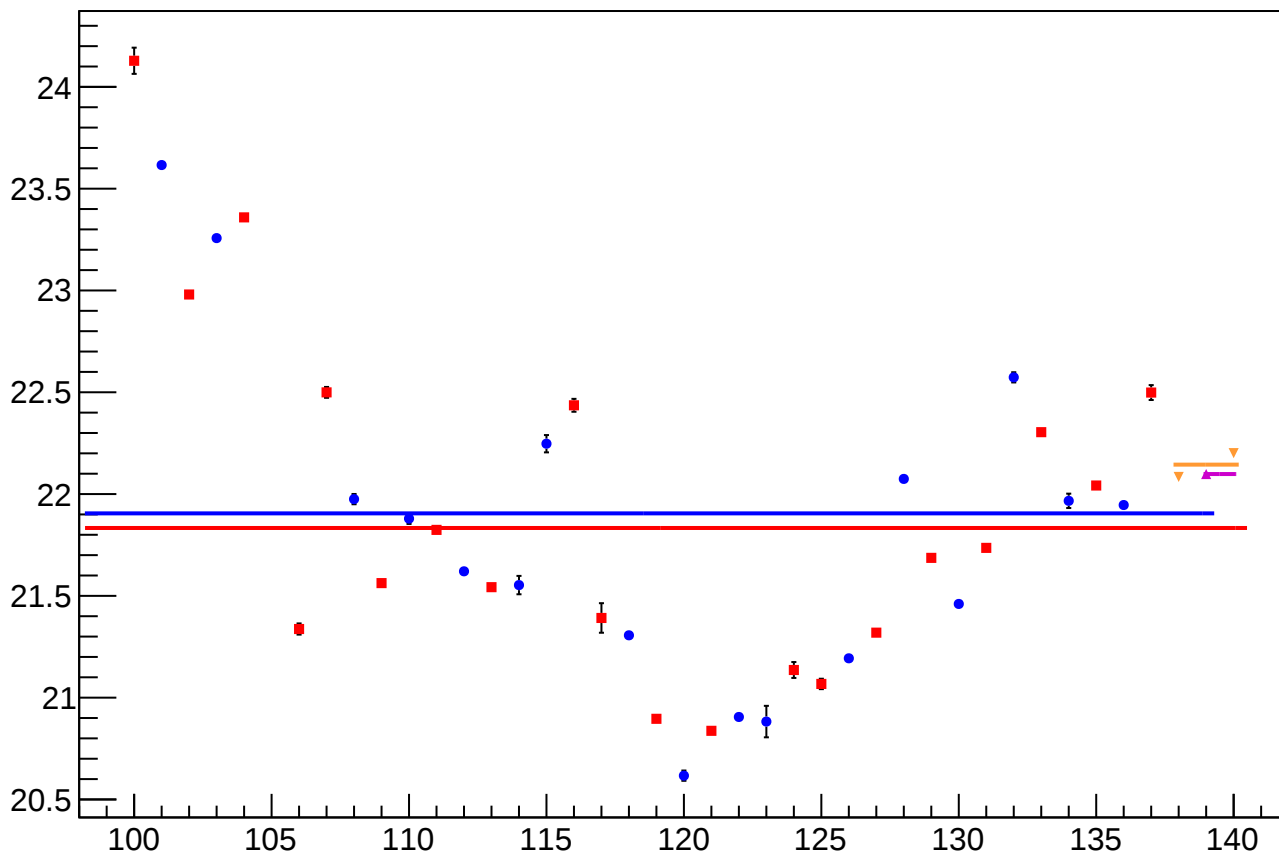
Left In: -22.528 ± 26.786 χ^2/NDF : 0.0/0

-6.806 ± 7.637 χ^2/NDF : 21.0/18

-9.444 ± 5.454 χ^2/NDF : 38.0/39

-12.190 ± 7.791 χ^2/NDF : 16.7/20

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.905 $\pm$ 0.006 χ^2 /NDF: 17794.2/16

Left Out: 22.145 $\pm$ 0.013 χ^2 /NDF: 21.3/1

Right Out: 21.833 $\pm$ 0.006 χ^2 /NDF: 16288.5/19

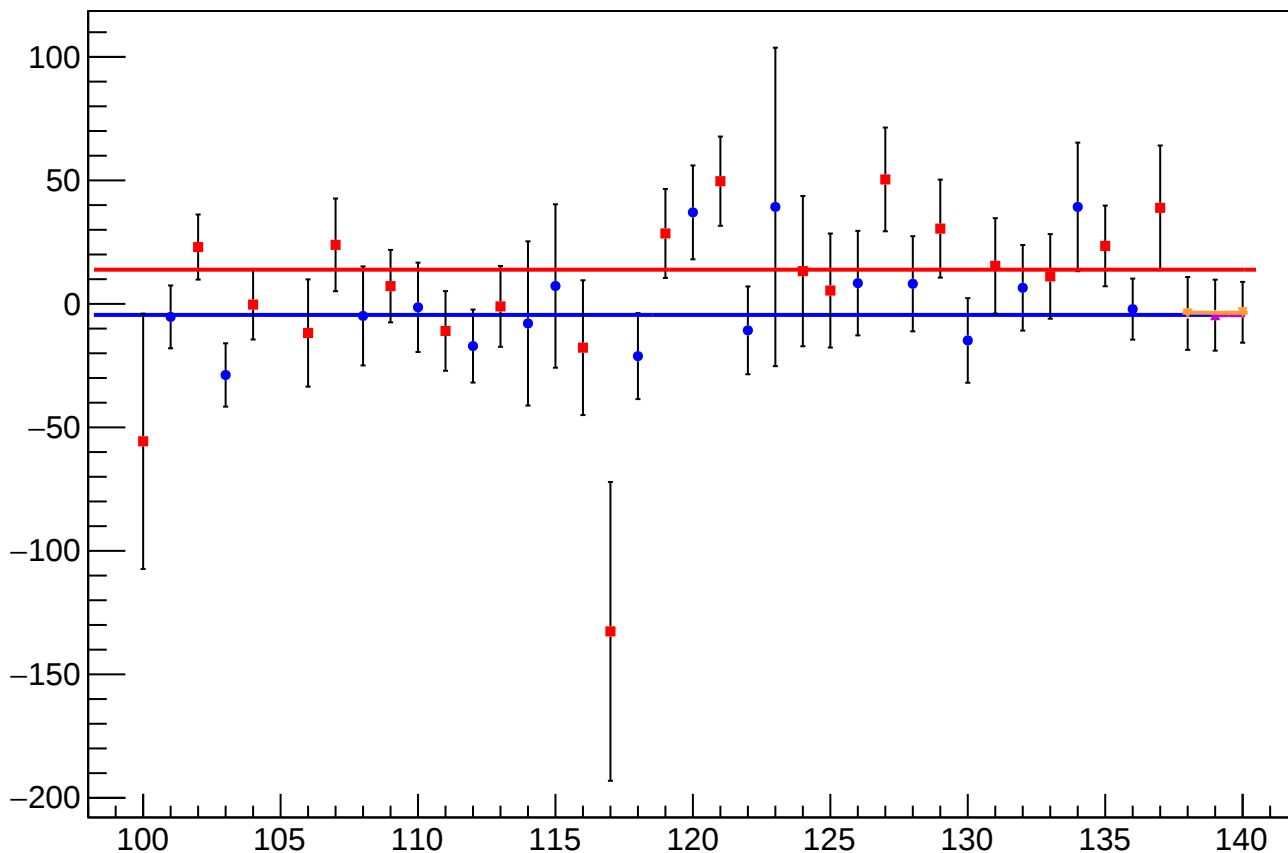
Left In: 22.098 $\pm$ 0.019 χ^2 /NDF: 0.0/0

21.949 $\pm$ 0.005 χ^2 /NDF: 18108.2/18

21.903 $\pm$ 0.004 χ^2 /NDF: 34721.0/39

21.856 $\pm$ 0.006 χ^2 /NDF: 16467.6/20

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: -3.594 ± 9.453 χ^2/NDF : 0.0/1

Right Out: 13.851 ± 4.253 χ^2/NDF : 25.4/19

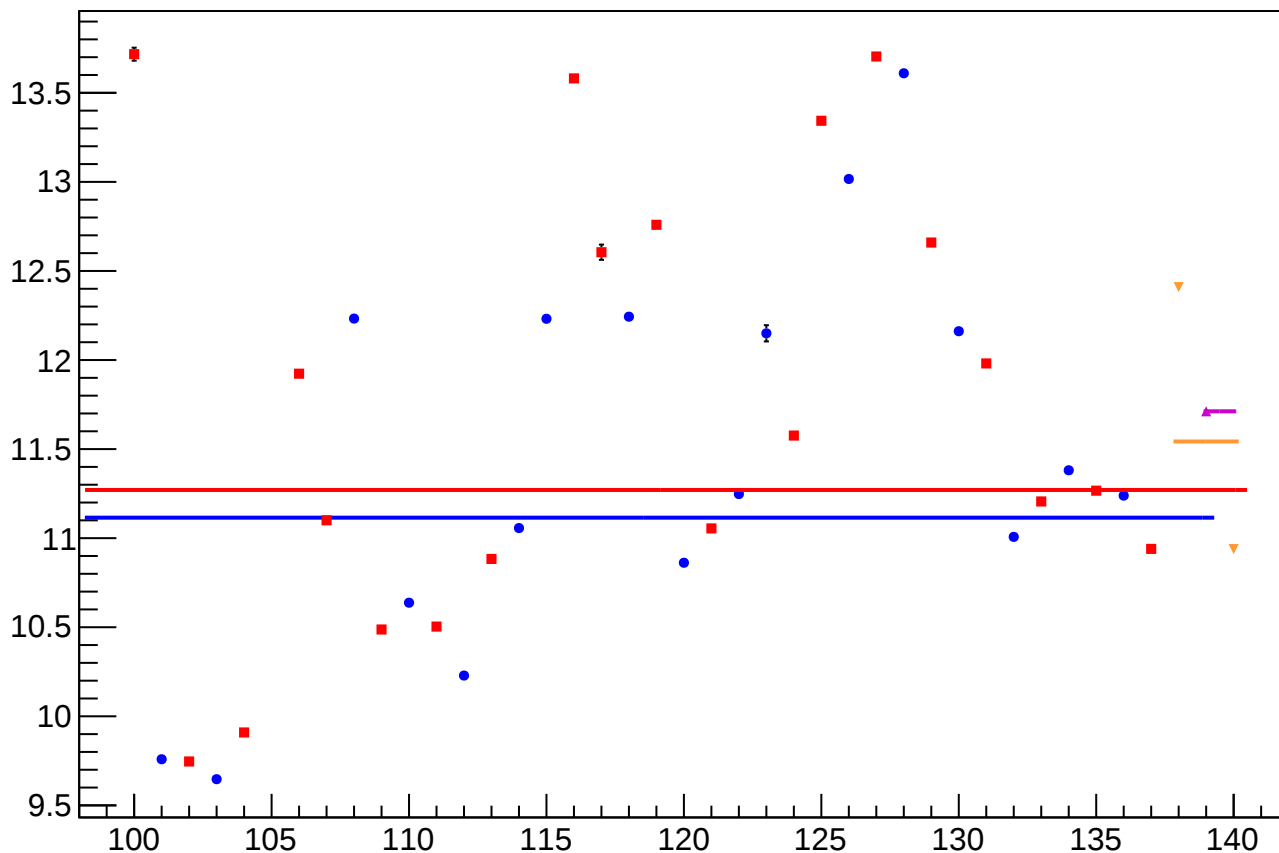
Left In: -4.569 ± 14.368 χ^2/NDF : 0.0/0

-4.310 ± 3.936 χ^2/NDF : 15.2/18

3.731 ± 2.832 χ^2/NDF : 50.8/39

12.367 ± 4.078 χ^2/NDF : 26.9/20

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.543 $\pm$ 0.007 χ^2 /NDF: 11714.1/1

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148461.6/19

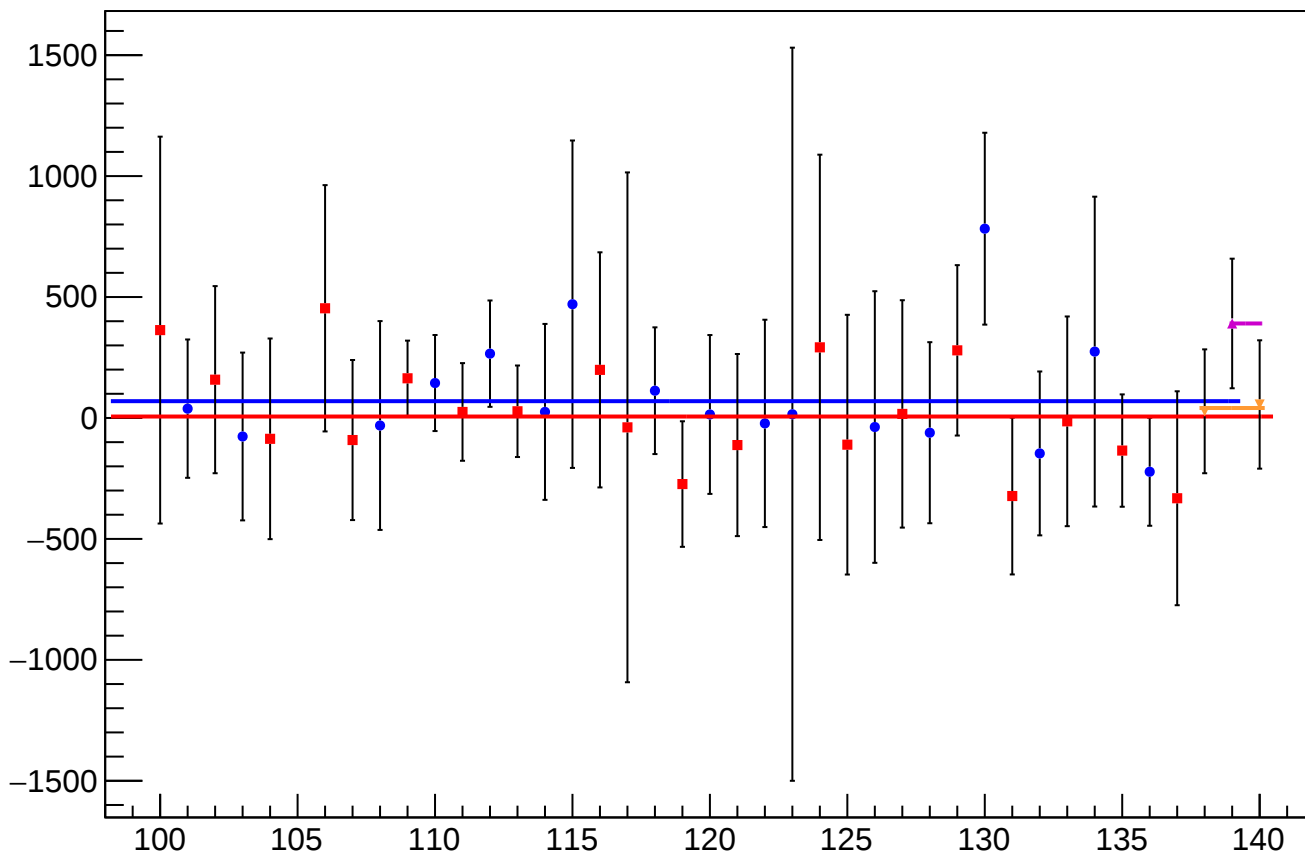
Left In: 11.712 $\pm$ 0.010 χ^2 /NDF: 0.0/0

11.189 $\pm$ 0.003 χ^2 /NDF: 148157.2/18

11.246 $\pm$ 0.002 χ^2 /NDF: 299207.9/39

11.306 $\pm$ 0.003 χ^2 /NDF: 150198.5/20

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.470 ± 79.231 χ^2/NDF : 7.3/16

Left Out: 41.186 ± 184.262 χ^2/NDF : 0.0/1

Right Out: 5.996 ± 70.027 χ^2/NDF : 6.5/19

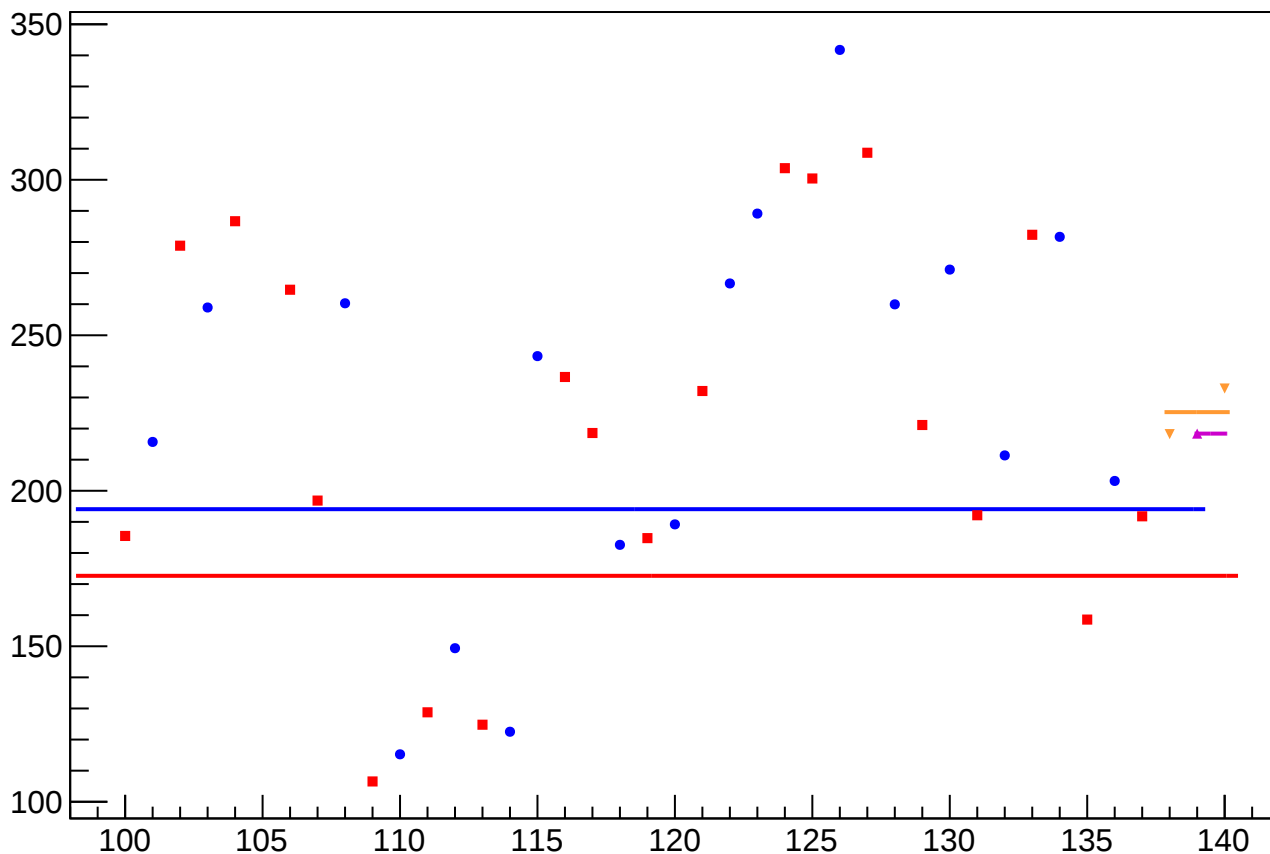
Left In: 390.668 ± 267.897 χ^2/NDF : 0.0/0

65.057 ± 72.788 χ^2/NDF : 7.3/18

46.594 ± 49.592 χ^2/NDF : 15.8/39

30.599 ± 67.751 χ^2/NDF : 8.4/20

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.082+/-0.056 χ^2/NDF : 1005395.7/16

Left Out: 225.290+/-0.130 χ^2/NDF : 3162.2/1

Right Out: 172.655+/-0.050 χ^2/NDF : 1573277.0/19

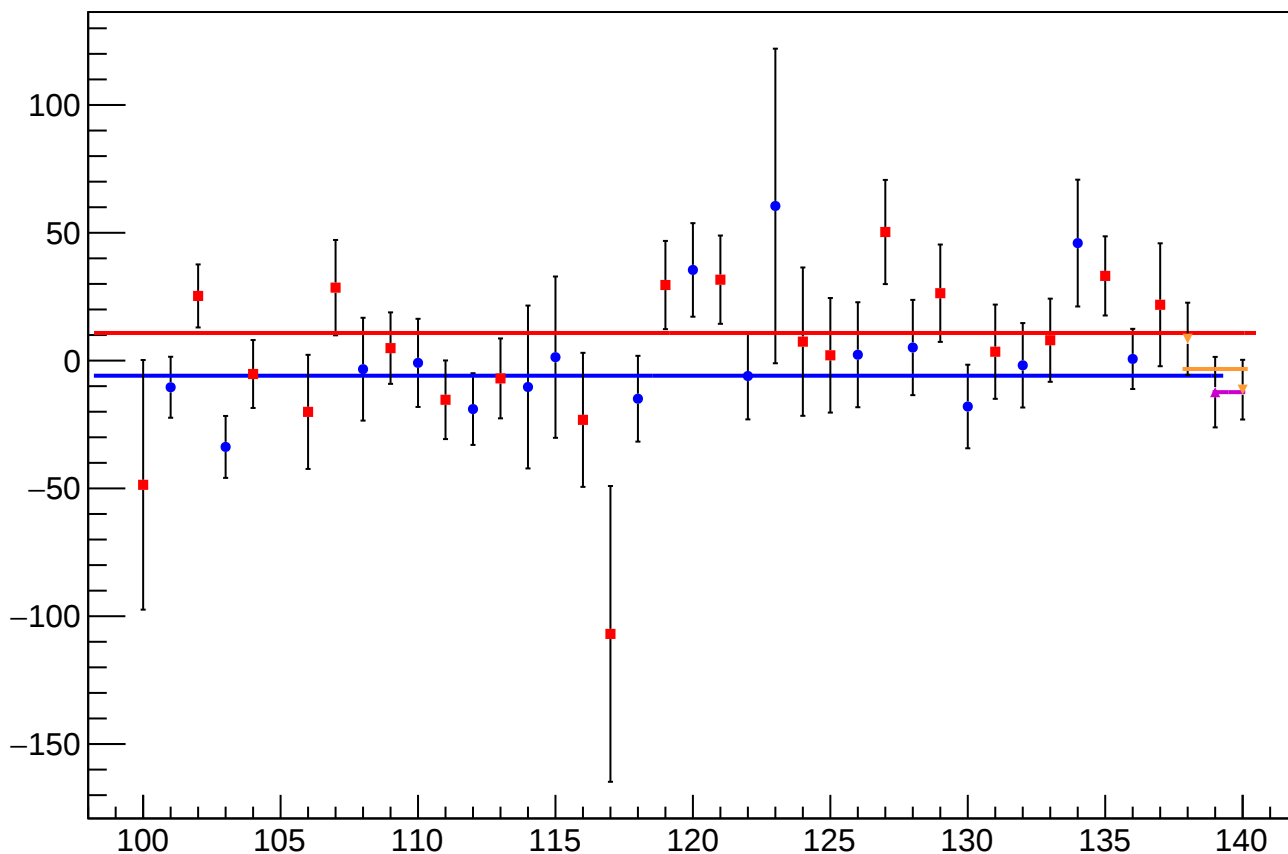
Left In: 218.381+/-0.189 χ^2/NDF : 0.0/0

198.951+/-0.051 χ^2/NDF : 1056978.9/18

186.429+/-0.035 χ^2/NDF : 2795276.6/39

175.580+/-0.048 χ^2/NDF : 1627816.5/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.912 $\pm$ 4.133 χ^2/NDF : 18.8/16

Left Out: -3.280 $\pm$ 8.996 χ^2/NDF : 1.2/1

Right Out: 10.806 $\pm$ 4.068 χ^2/NDF : 27.0/19

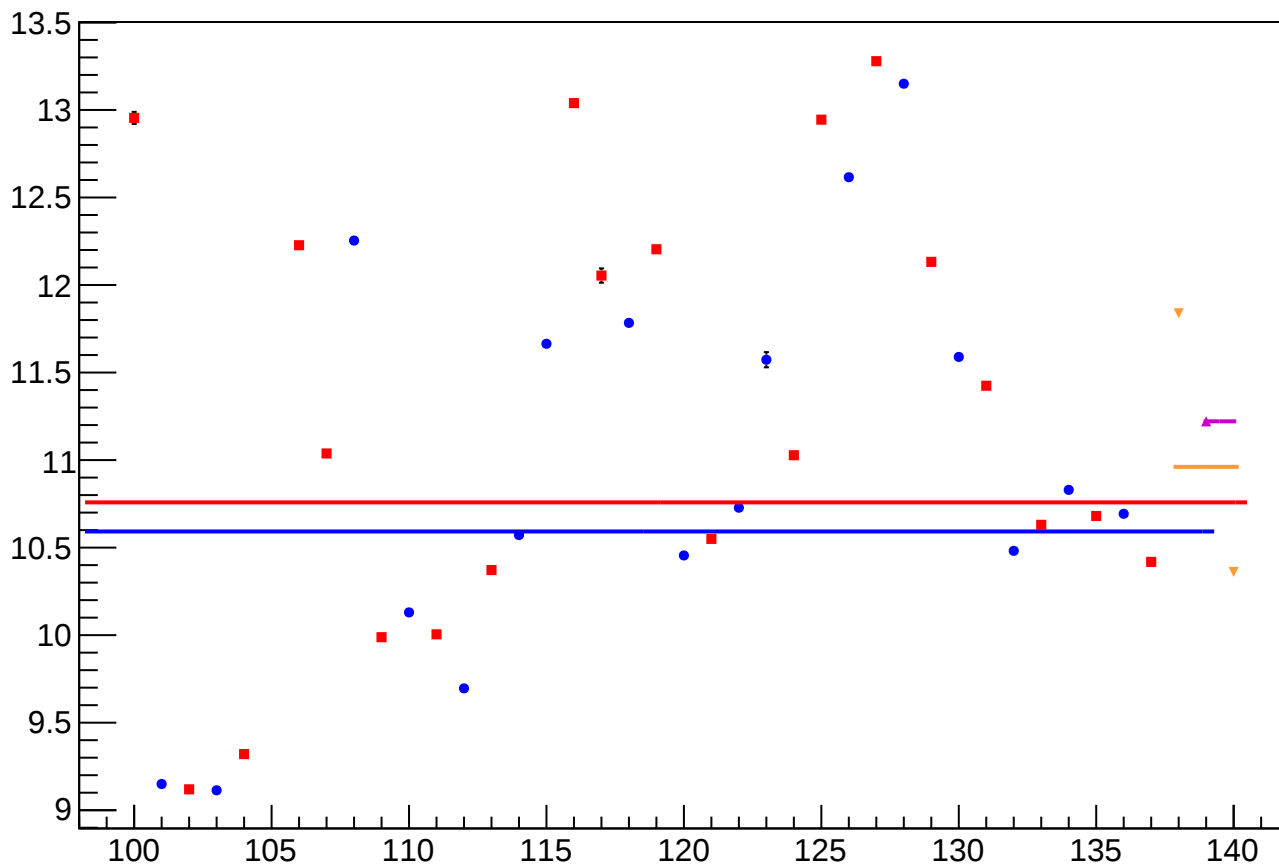
Left In: -12.342 $\pm$ 13.790 χ^2/NDF : 0.0/0

-5.454 $\pm$ 3.756 χ^2/NDF : 20.1/18

1.474 $\pm$ 2.706 χ^2/NDF : 56.8/39

8.953 $\pm$ 3.902 χ^2/NDF : 29.6/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.592 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 10.961 $\pm$ 0.006 χ^2 /NDF: 13013.5/1

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 177903.3/19

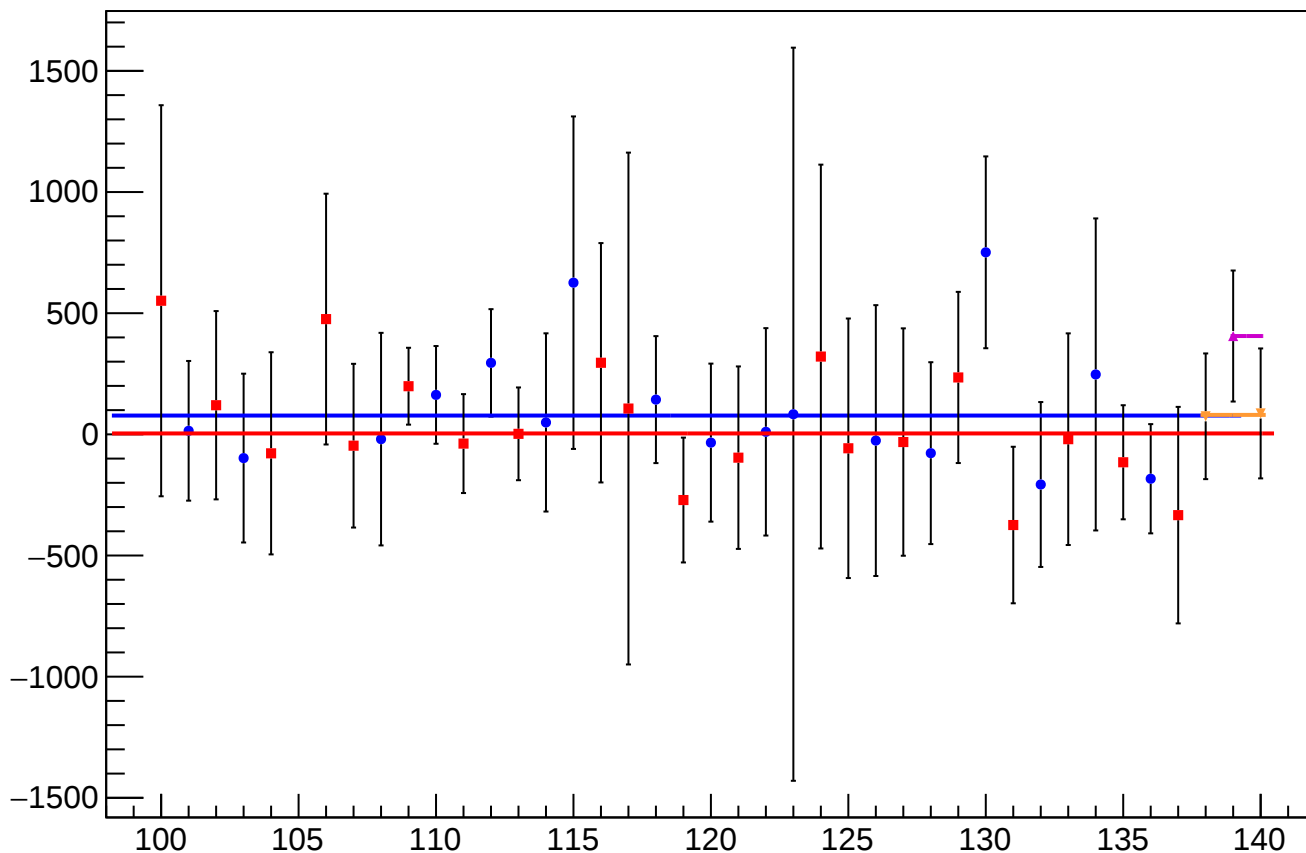
Left In: 11.221 $\pm$ 0.010 χ^2 /NDF: 0.0/0

10.657 $\pm$ 0.003 χ^2 /NDF: 176189.2/18

10.723 $\pm$ 0.002 χ^2 /NDF: 357483.2/39

10.796 $\pm$ 0.003 χ^2 /NDF: 179977.1/20

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 77.589 $\pm$ 79.751 χ^2 /NDF: 7.6/16

Left Out: 80.286 $\pm$ 186.418 χ^2 /NDF: 0.0/1

Right Out: 3.768 $\pm$ 70.696 χ^2 /NDF: 7.4/19

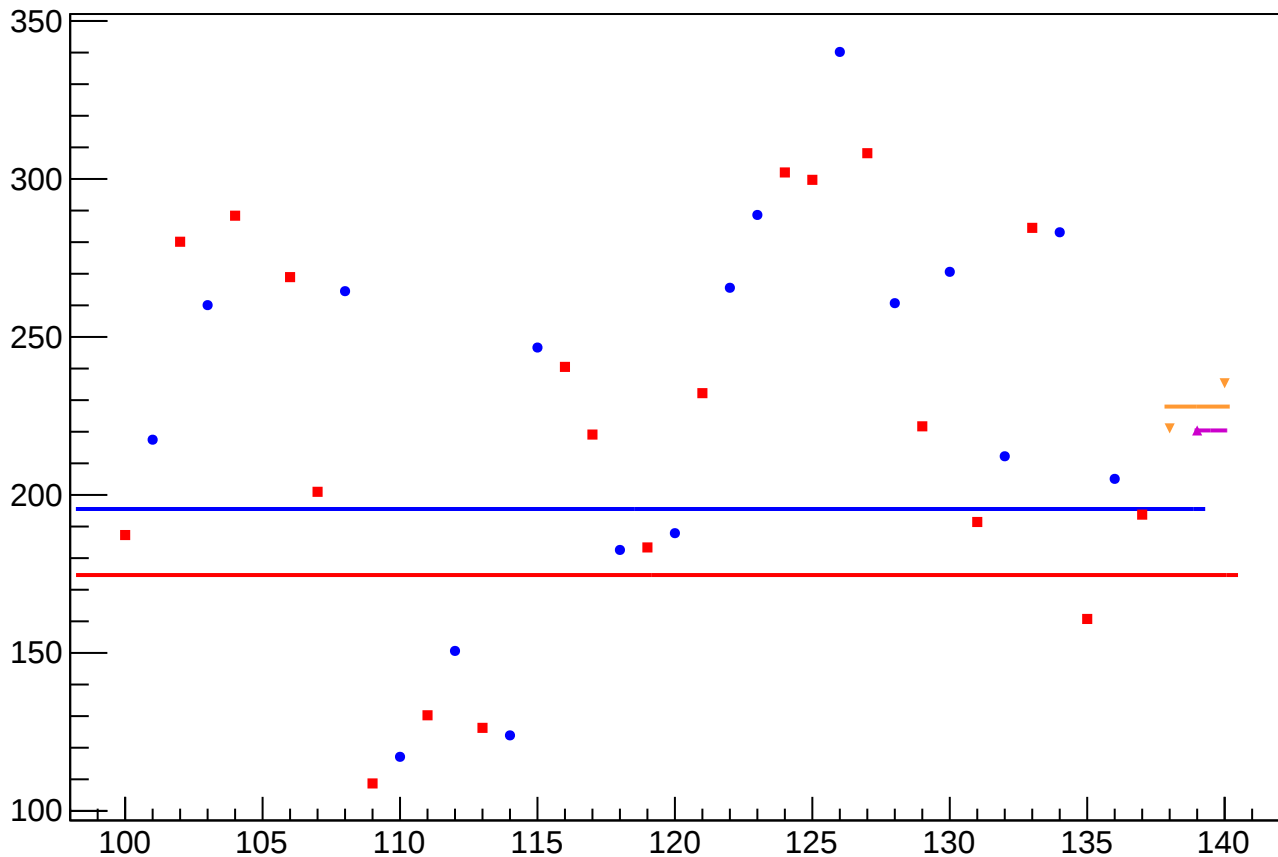
Left In: 405.762 $\pm$ 270.354 χ^2 /NDF: 0.0/0

78.006 $\pm$ 73.323 χ^2 /NDF: 7.6/18

52.067 $\pm$ 50.014 χ^2 /NDF: 17.2/39

29.497 $\pm$ 68.396 χ^2 /NDF: 9.4/20

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.551 $\pm$ 0.056 χ^2 /NDF: 979937.7/16

Left Out: 227.964 $\pm$ 0.132 χ^2 /NDF: 2931.0/1

Right Out: 174.649 $\pm$ 0.050 χ^2 /NDF: 1532189.1/19

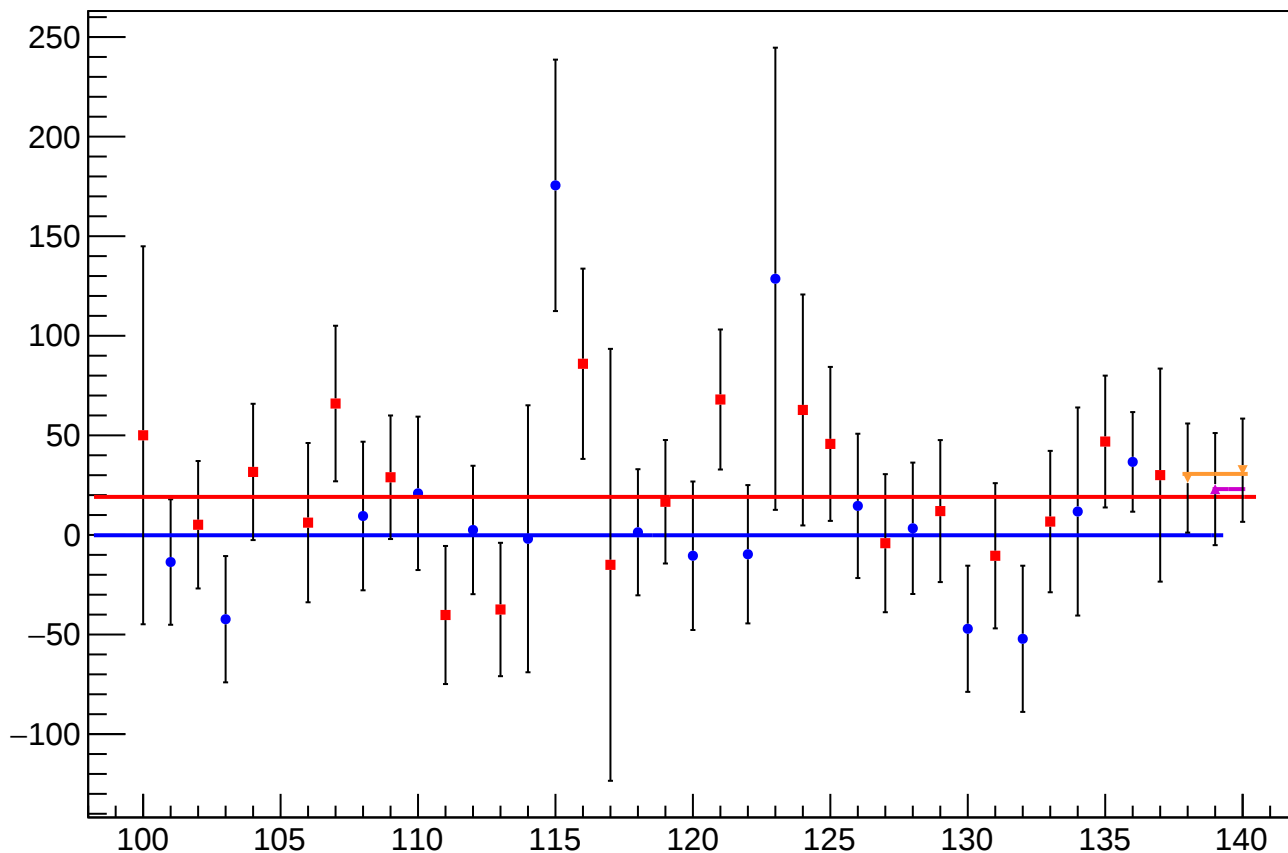
Left In: 220.412 $\pm$ 0.191 χ^2 /NDF: 0.0/0

200.565 $\pm$ 0.052 χ^2 /NDF: 1033979.0/18

188.274 $\pm$ 0.035 χ^2 /NDF: 2724917.8/39

177.578 $\pm$ 0.048 χ^2 /NDF: 1585826.4/20

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.158 ± 8.826 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 30.644 ± 18.829 $\chi^2/\text{NDF}: 0.0/1$

Right Out: 19.104 ± 8.527 $\chi^2/\text{NDF}: 14.9/19$

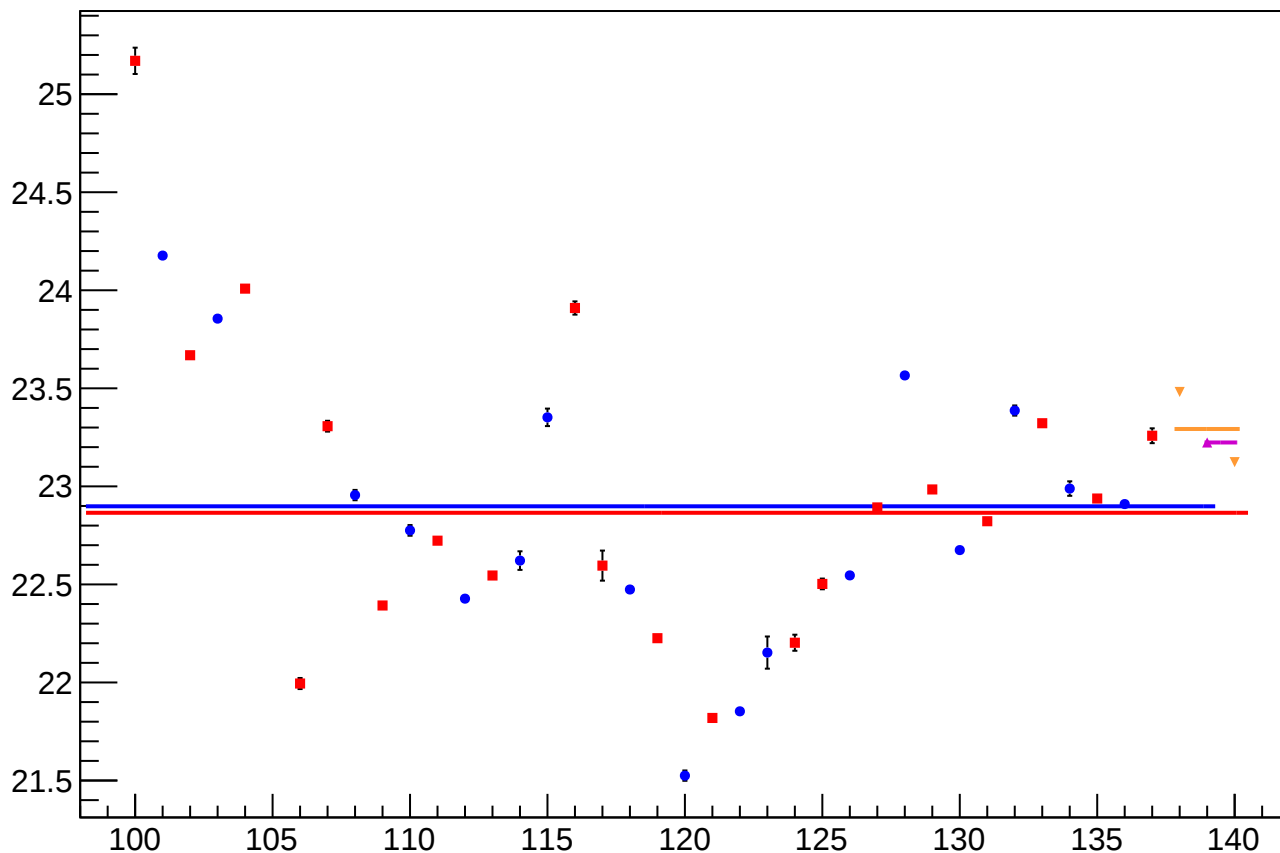
Left In: 23.024 ± 28.149 $\chi^2/\text{NDF}: 0.0/0$

5.391 ± 7.992 $\chi^2/\text{NDF}: 20.3/18$

12.265 ± 5.710 $\chi^2/\text{NDF}: 36.7/39$

19.433 ± 8.161 $\chi^2/\text{NDF}: 14.9/20$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.898 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 23.293 $\pm$ 0.013 χ^2 /NDF:180.1/1

Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11060.8/19

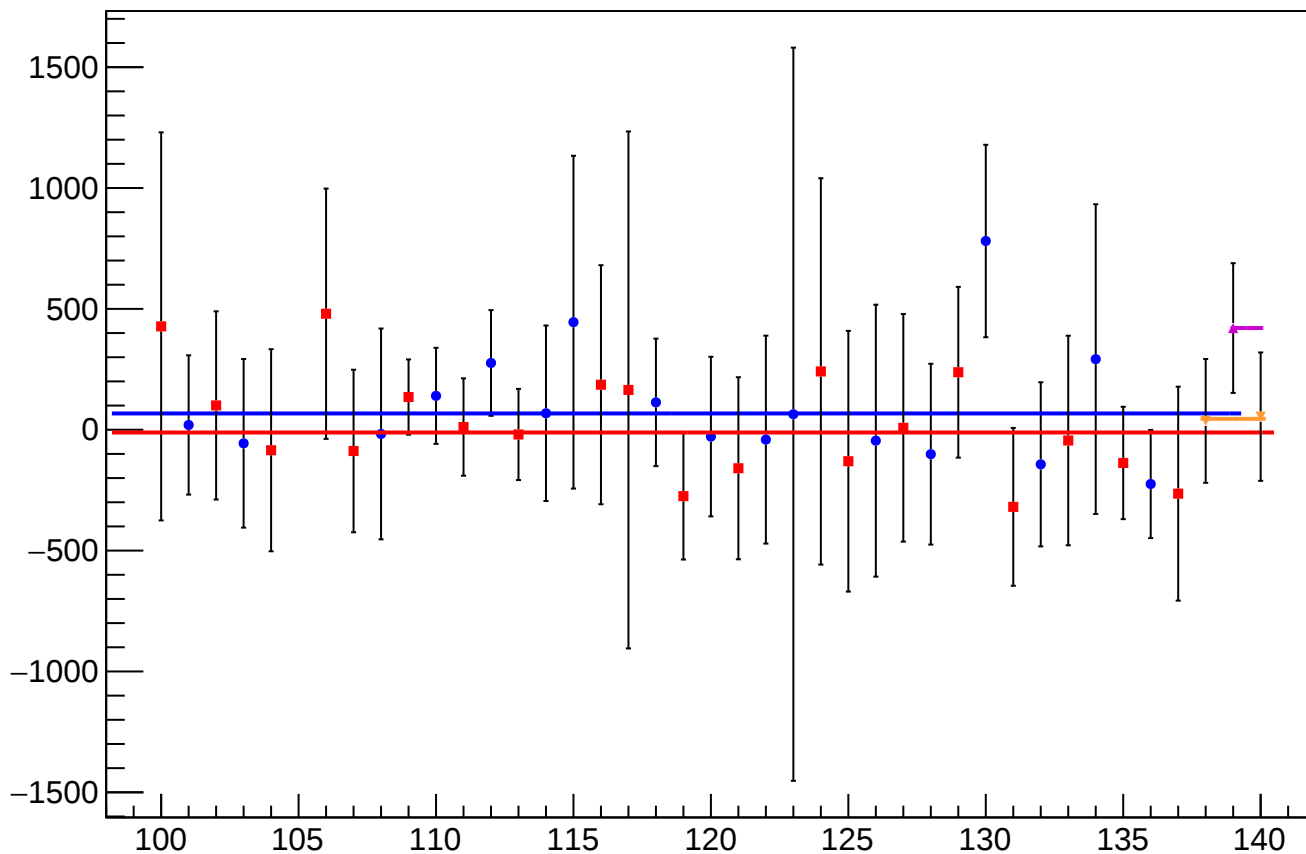
Left In: 23.224 $\pm$ 0.020 χ^2 /NDF:0.0/0

22.969 $\pm$ 0.006 χ^2 /NDF: 13042.6/18

22.933 $\pm$ 0.004 χ^2 /NDF: 24484.4/39

22.895 $\pm$ 0.006 χ^2 /NDF: 11358.0/20

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.449 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 45.110 $\pm$ 184.376 χ^2 /NDF: 0.0/1

Right Out: -11.355 $\pm$ 70.203 χ^2 /NDF: 5.8/19

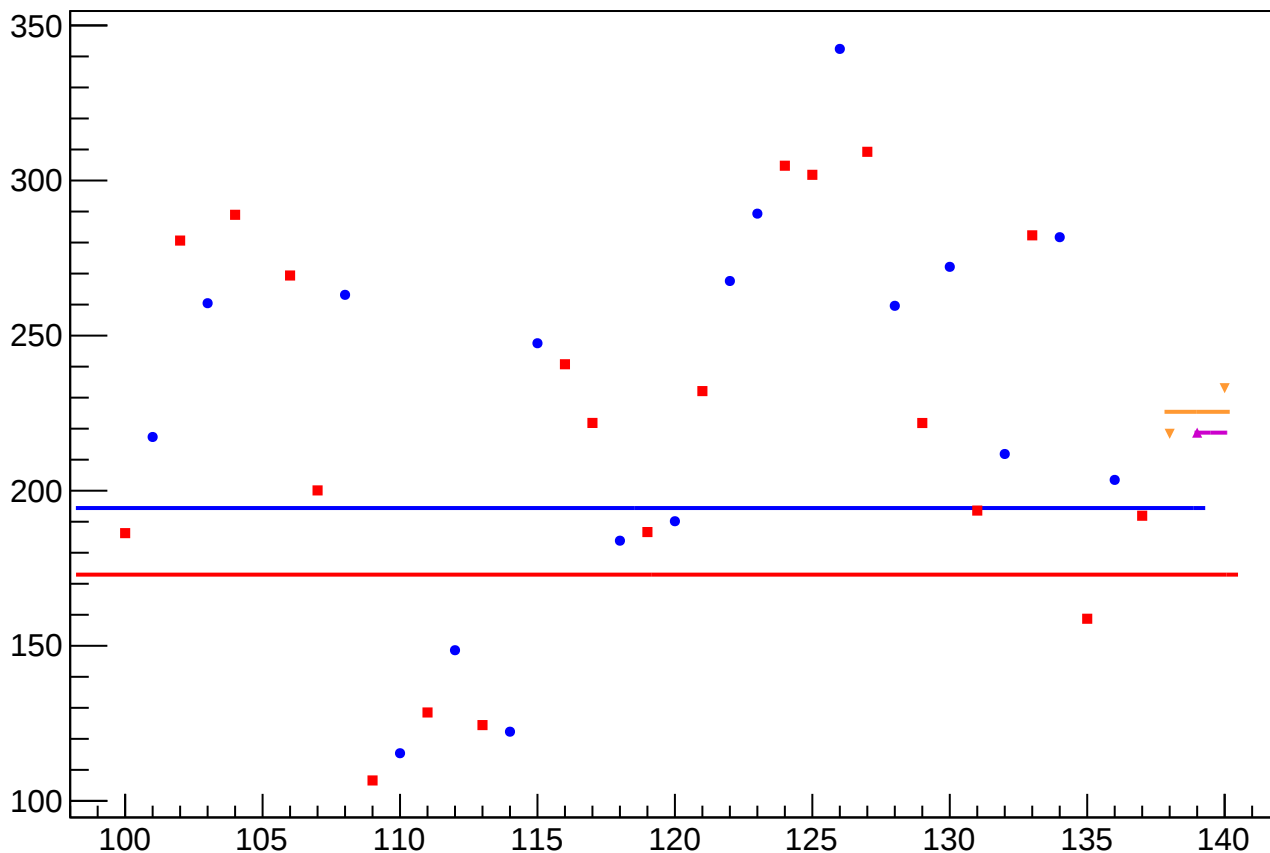
Left In: 420.757 $\pm$ 268.307 χ^2 /NDF: 0.0/0

63.954 $\pm$ 72.929 χ^2 /NDF: 7.4/18

38.451 $\pm$ 49.702 χ^2 /NDF: 15.8/39

16.332 $\pm$ 67.917 χ^2 /NDF: 8.2/20

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 225.434 $\pm$ 0.130 χ^2 /NDF:3174.1/1

Right Out: 172.942 $\pm$ 0.050 χ^2 /NDF: 1600959.1/19

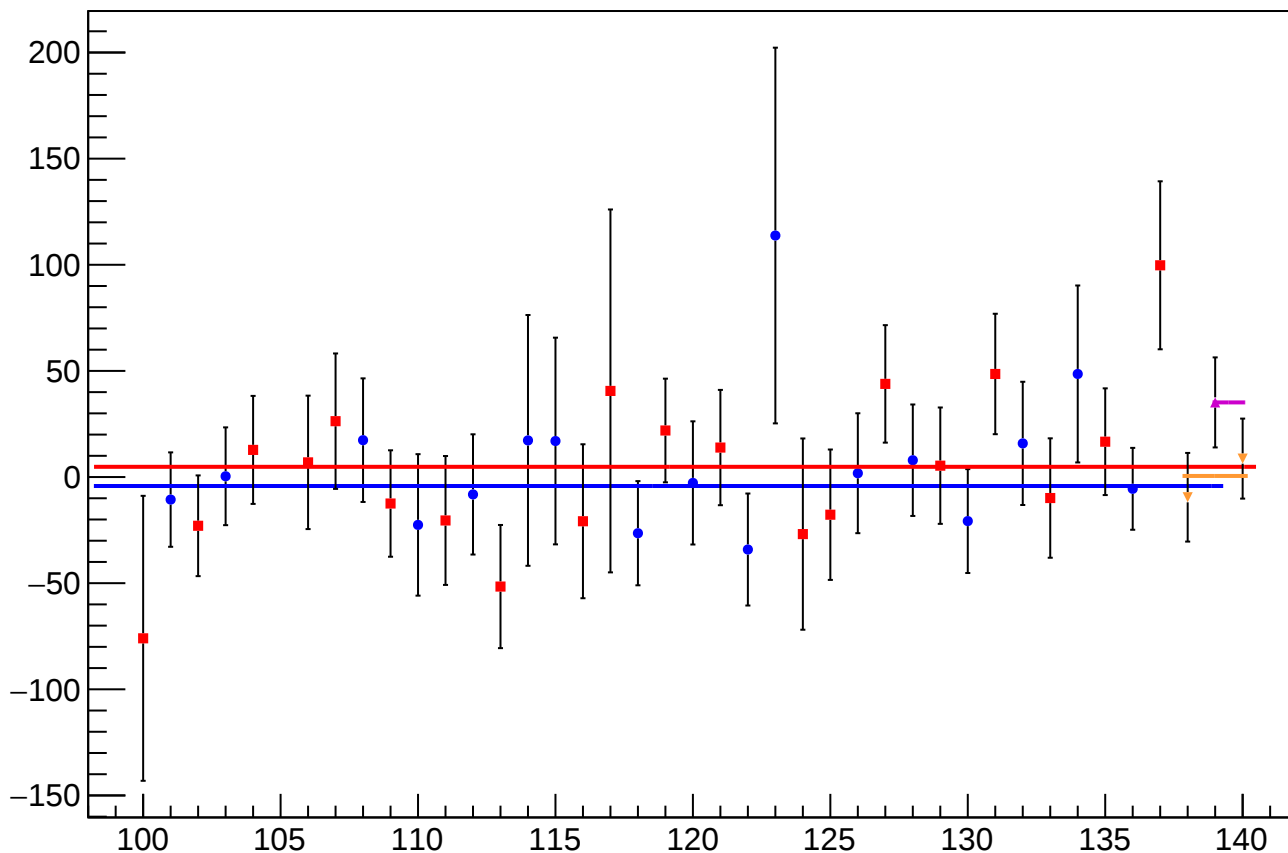
Left In: 218.716 $\pm$ 0.190 χ^2 /NDF:0.0/0

199.264 $\pm$ 0.052 χ^2 /NDF: 1070852.9/18

186.738 $\pm$ 0.035 χ^2 /NDF: 2836463.6/39

175.875 $\pm$ 0.048 χ^2 /NDF: 1655441.4/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.223+/-6.871 χ^2/NDF : 8.0/16

Left Out: 0.512+/-13.991 χ^2/NDF : 0.4/1

Right Out: 4.820+/-6.704 χ^2/NDF : 21.3/19

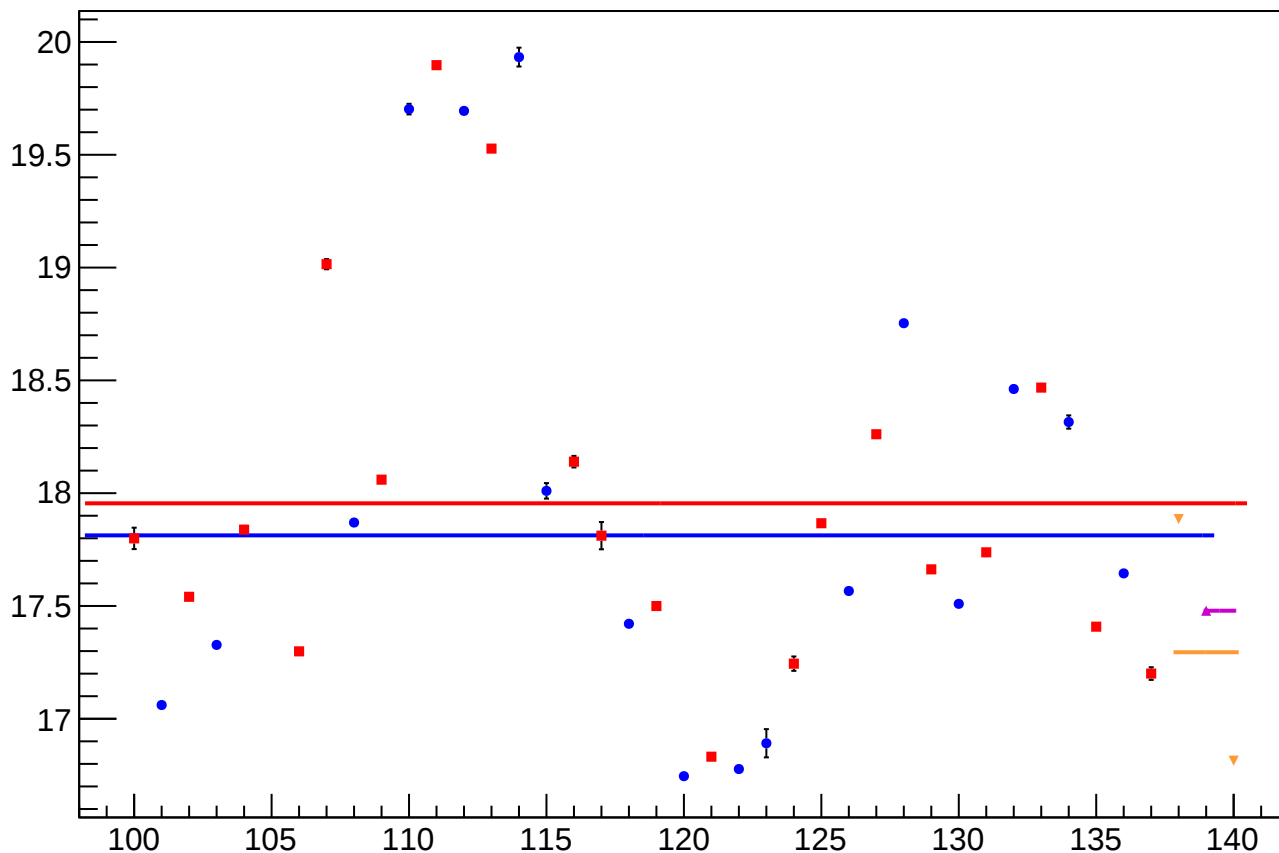
Left In: 35.158+/-21.209 χ^2/NDF : 0.0/0

-3.303+/-6.168 χ^2/NDF : 8.5/18

1.942+/-4.439 χ^2/NDF : 33.1/39

7.576+/-6.393 χ^2/NDF : 23.1/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.813 $\pm$ 0.005 χ^2 /NDF: 32034.8/16

Left Out: 17.295 $\pm$ 0.010 χ^2 /NDF: 2900.5/1

Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25451.0/19

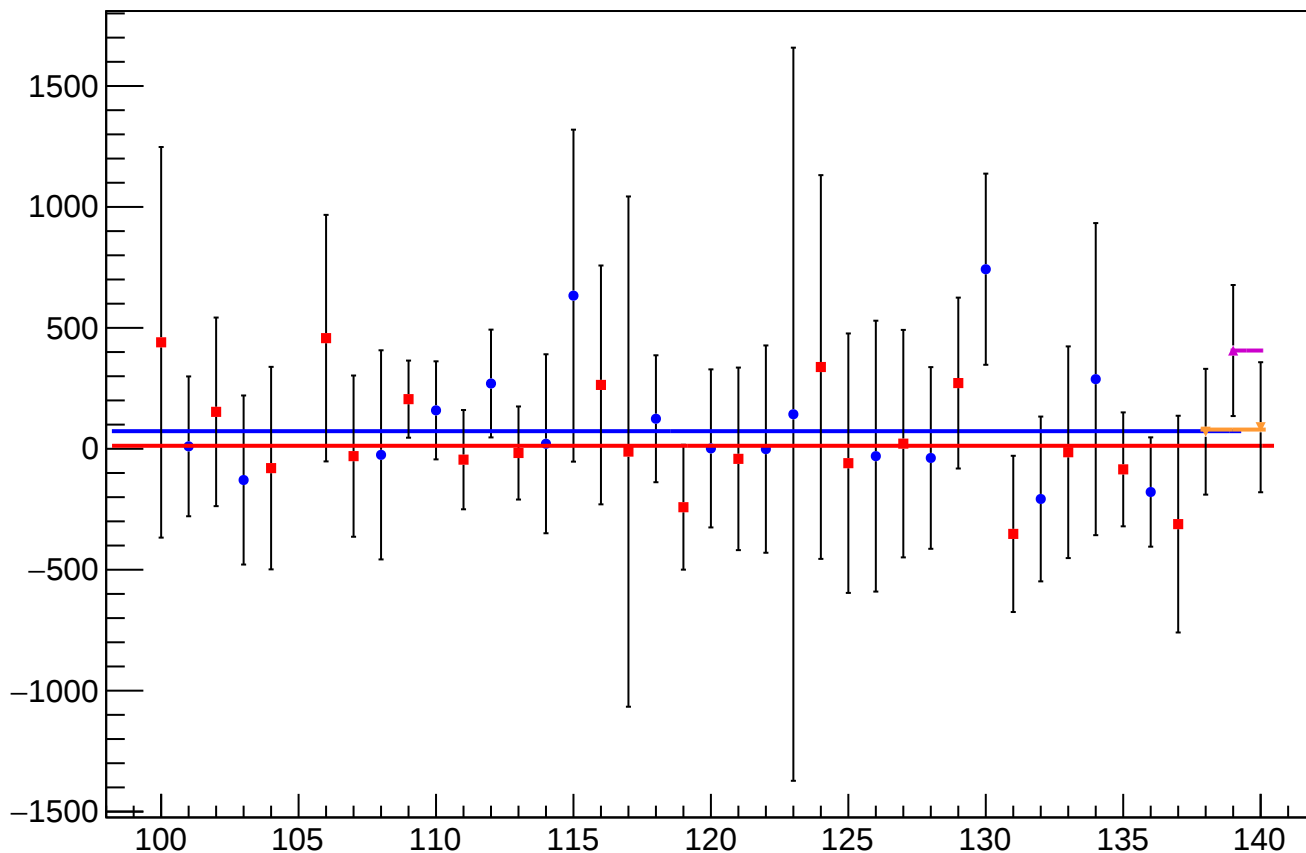
Left In: 17.479 $\pm$ 0.015 χ^2 /NDF: 0.0/0

17.712 $\pm$ 0.004 χ^2 /NDF: 37144.1/18

17.808 $\pm$ 0.003 χ^2 /NDF: 64520.1/39

17.912 $\pm$ 0.005 χ^2 /NDF: 26367.3/20

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 79.526 $\pm$ 186.904 χ^2 /NDF: 0.0/1

Right Out: 12.456 $\pm$ 70.853 χ^2 /NDF: 6.7/19

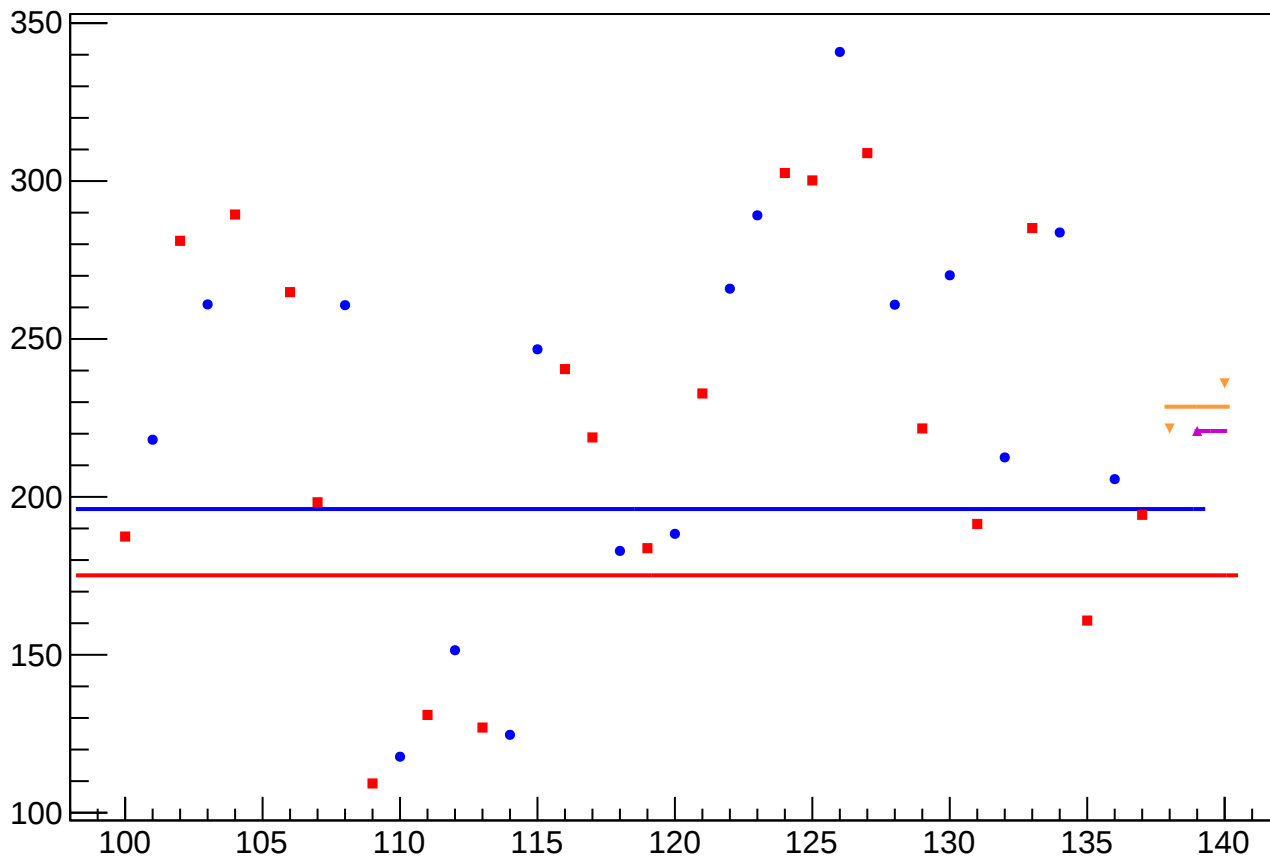
Left In: 406.310 $\pm$ 270.913 χ^2 /NDF: 0.0/0

73.915 $\pm$ 73.506 χ^2 /NDF: 7.2/18

54.529 $\pm$ 50.132 χ^2 /NDF: 16.1/39

37.671 $\pm$ 68.547 χ^2 /NDF: 8.7/20

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.151 $\pm$ 0.057 χ^2 /NDF: 964998.4/16

Left Out: 228.557 $\pm$ 0.132 χ^2 /NDF: 2921.7/1

Right Out: 175.163 $\pm$ 0.050 χ^2 /NDF: 1514398.4/19

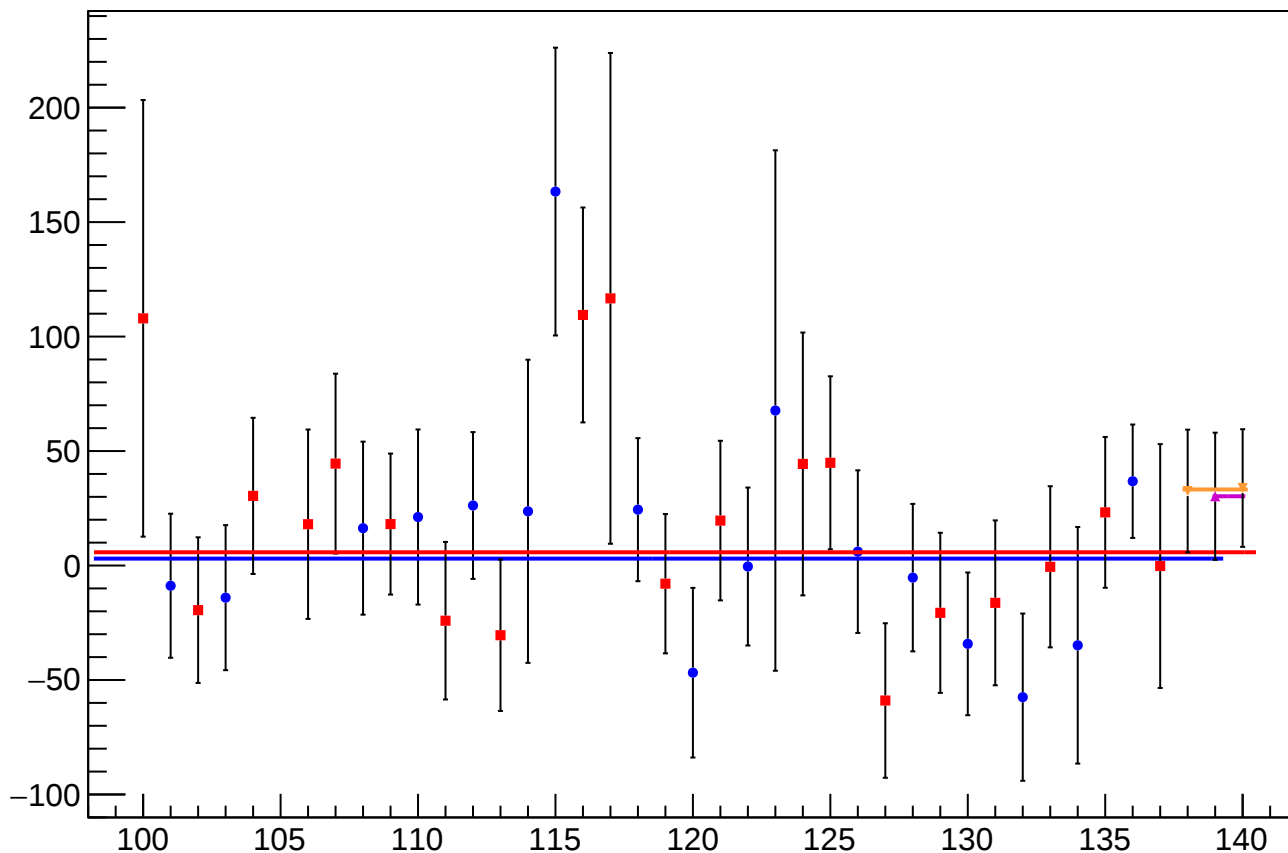
Left In: 220.868 $\pm$ 0.192 χ^2 /NDF: 0.0/0

201.163 $\pm$ 0.052 χ^2 /NDF: 1018745.0/18

188.821 $\pm$ 0.035 χ^2 /NDF: 2691836.9/39

178.089 $\pm$ 0.048 χ^2 /NDF: 1567678.2/20

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.022 ± 8.751 χ^2/NDF : 17.2/16

Left Out: 33.222 ± 18.549 χ^2/NDF : 0.0/1

Right Out: 5.786 ± 8.451 χ^2/NDF : 18.3/19

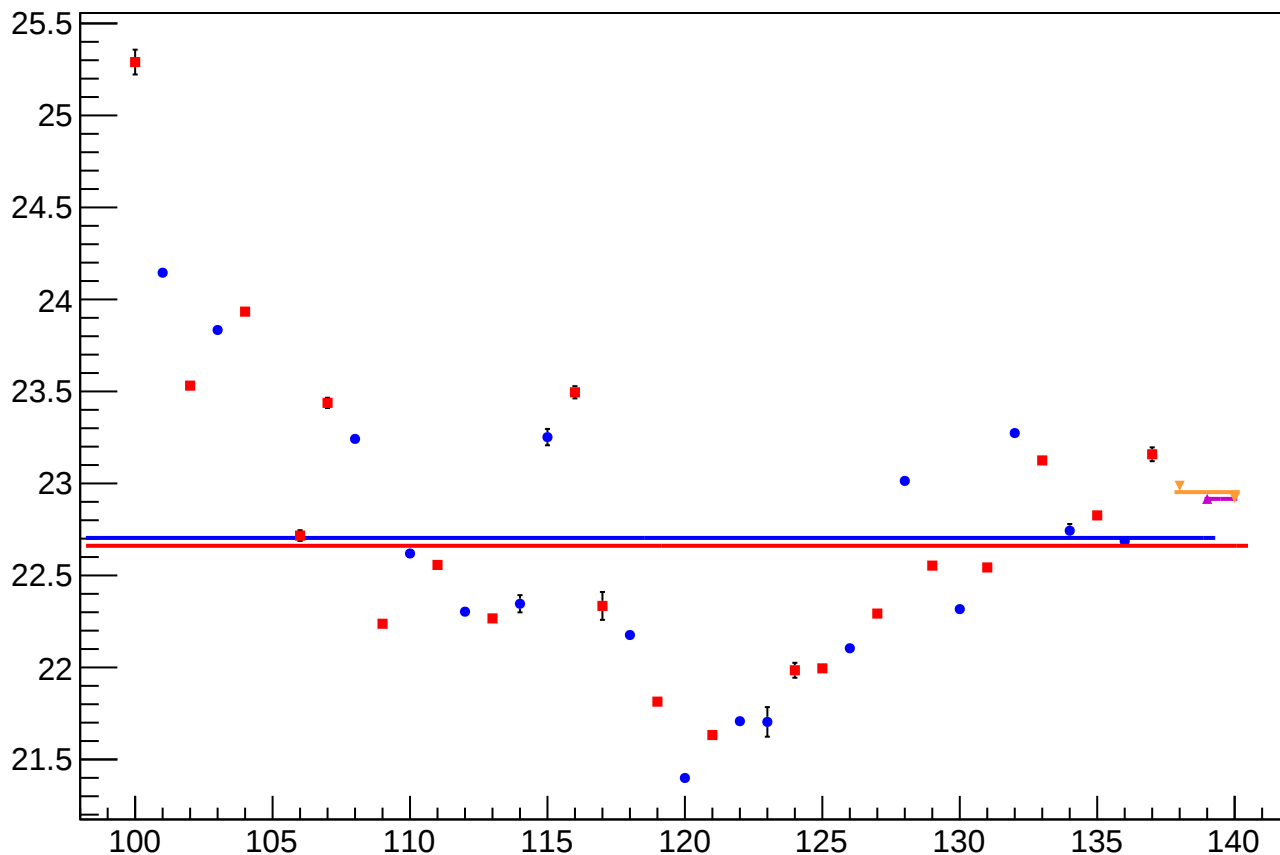
Left In: 30.252 ± 27.775 χ^2/NDF : 0.0/0

8.520 ± 7.915 χ^2/NDF : 19.3/18

8.197 ± 5.656 χ^2/NDF : 38.3/39

7.859 ± 8.085 χ^2/NDF : 19.0/20

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.953 $\pm$ 0.013 χ^2 /NDF: 6.4/1

Right Out: 22.661 $\pm$ 0.006 χ^2 /NDF: 12962.1/19

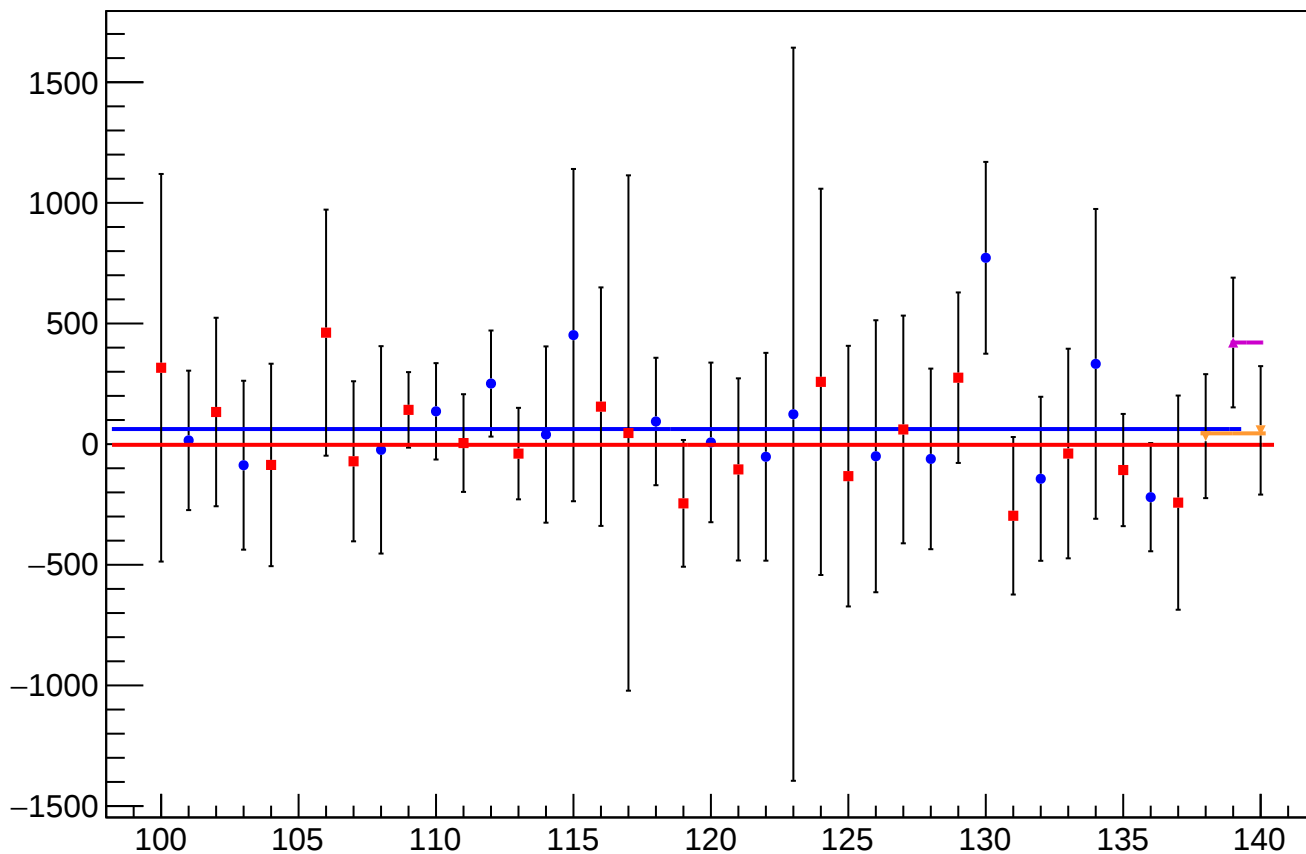
Left In: 22.916 $\pm$ 0.020 χ^2 /NDF: 0.0/0

22.749 $\pm$ 0.006 χ^2 /NDF: 14406.8/18

22.717 $\pm$ 0.004 χ^2 /NDF: 27592.3/39

22.683 $\pm$ 0.006 χ^2 /NDF: 13116.4/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 44.699+/-184.862 χ^2/NDF : 0.0/1

Right Out: -2.824+/-70.364 χ^2/NDF : 5.2/19

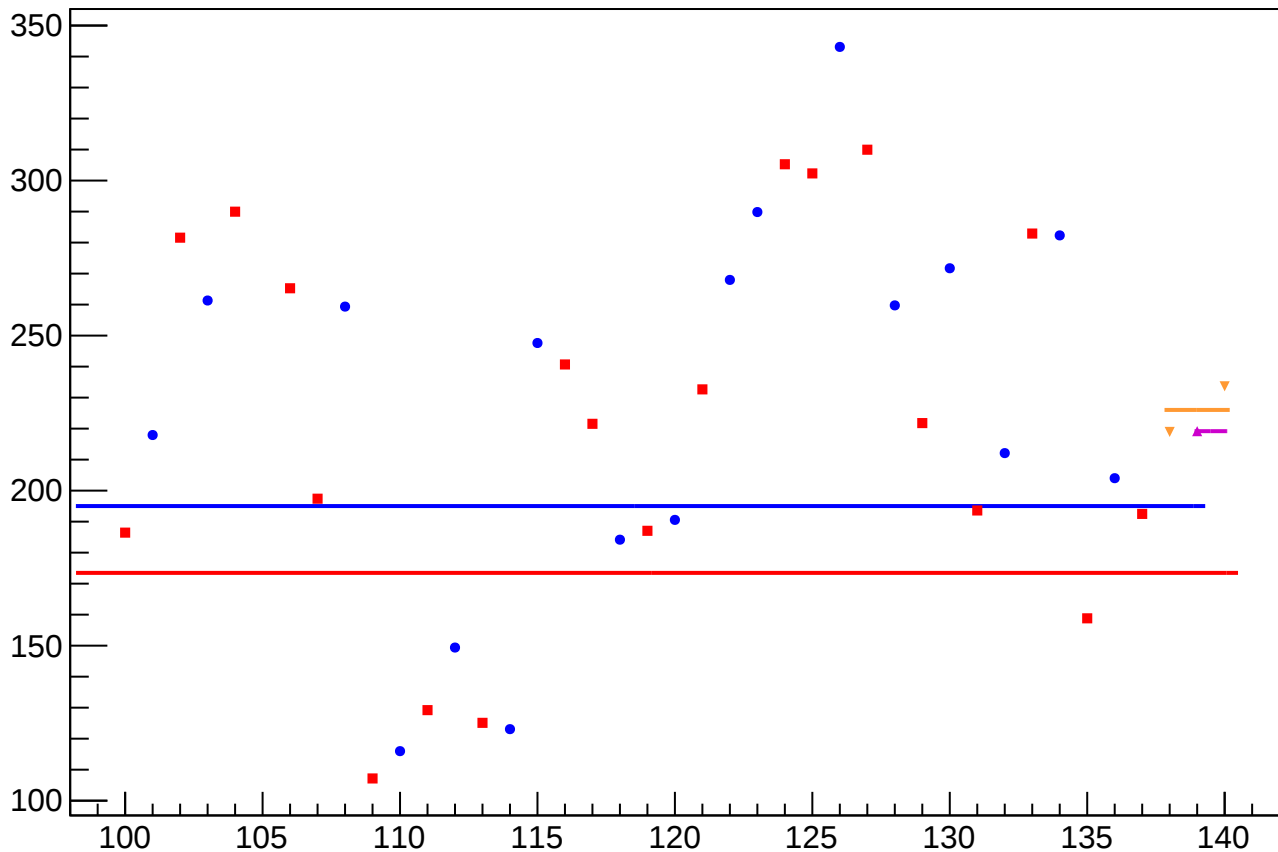
Left In: 421.217+/-268.870 χ^2/NDF : 0.0/0

59.777+/-73.114 χ^2/NDF : 7.0/18

40.803+/-49.821 χ^2/NDF : 14.7/39

24.356+/-68.072 χ^2/NDF : 7.6/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.022 $\pm$ 0.056 χ^2 /NDF: 1004284.9/16

Left Out: 226.027 $\pm$ 0.131 χ^2 /NDF:3161.9/1

Right Out: 173.471 $\pm$ 0.050 χ^2 /NDF: 1582273.4/19

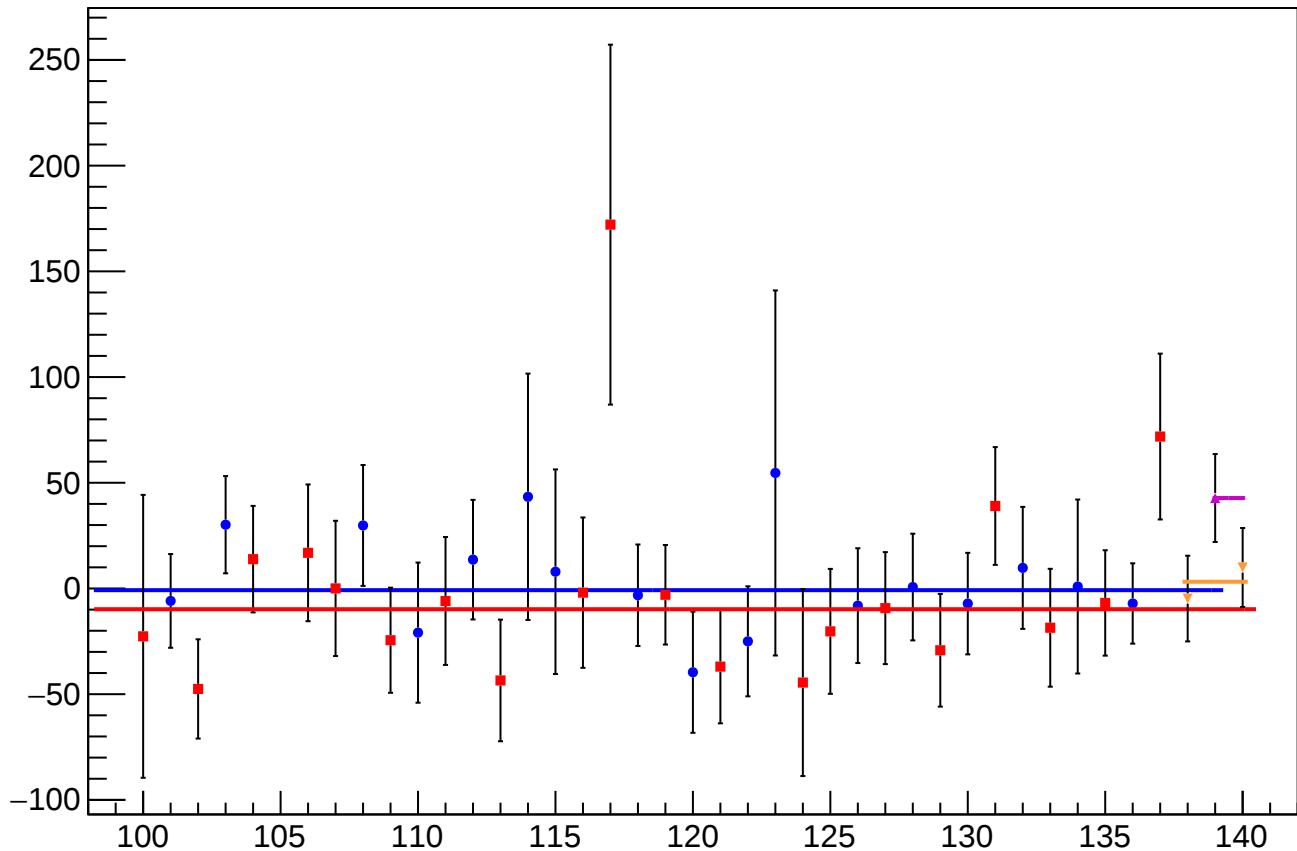
Left In: 219.176 $\pm$ 0.190 χ^2 /NDF:0.0/0

199.872 $\pm$ 0.052 χ^2 /NDF: 1054907.5/18

187.299 $\pm$ 0.035 χ^2 /NDF: 2801672.6/39

176.401 $\pm$ 0.048 χ^2 /NDF: 1636360.6/20

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.801 ± 6.770 $\chi^2/\text{NDF}: 7.8/16$

Left Out: 3.179 ± 13.735 $\chi^2/\text{NDF}: 0.3/1$

Right Out: -9.809 ± 6.606 $\chi^2/\text{NDF}: 20.5/19$

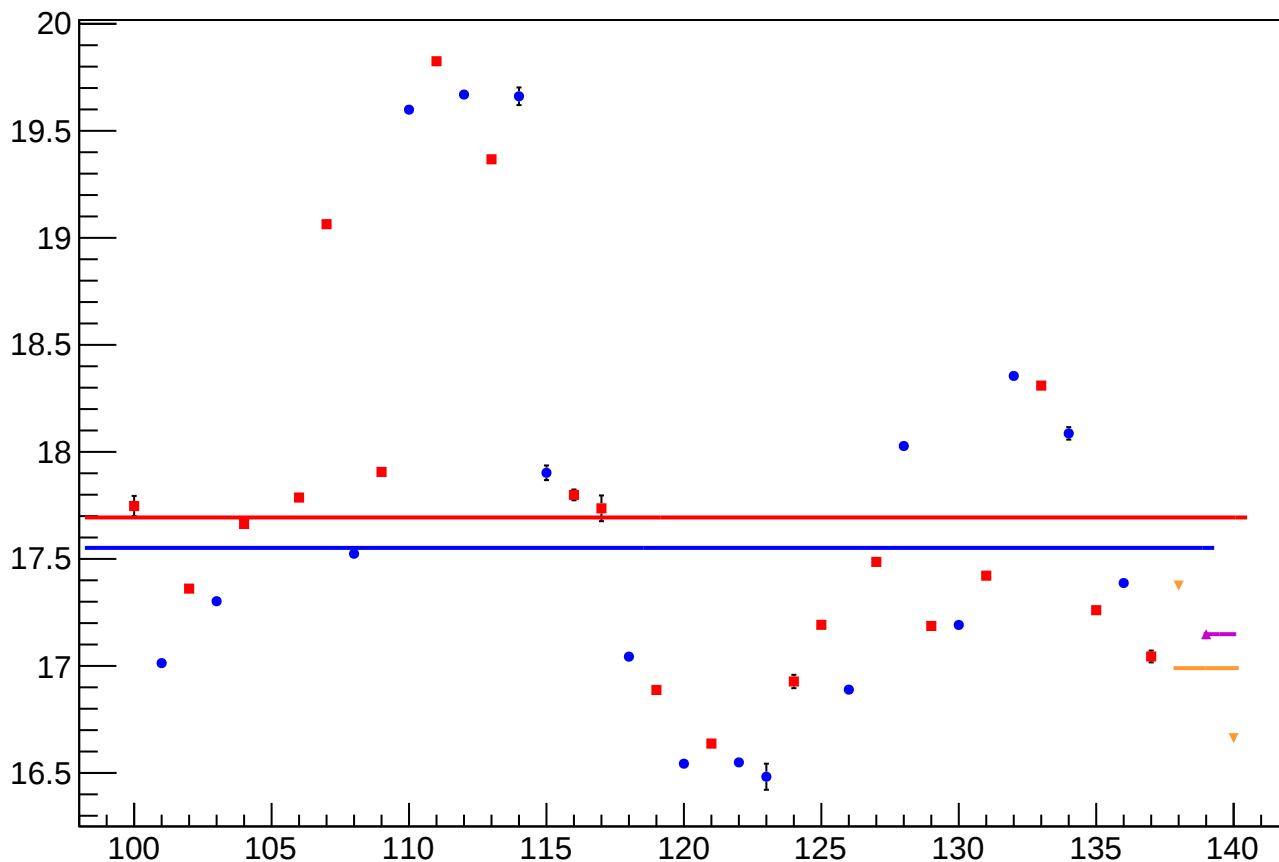
Left In: 42.780 ± 20.796 $\chi^2/\text{NDF}: 0.0/0$

-0.023 ± 6.072 $\chi^2/\text{NDF}: 8.1/18$

-2.416 ± 4.371 $\chi^2/\text{NDF}: 34.8/39$

-4.989 ± 6.296 $\chi^2/\text{NDF}: 26.3/20$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.990 $\pm$ 0.010 χ^2 /NDF:1337.9/1

Right Out: 17.694 $\pm$ 0.005 χ^2 /NDF: 30742.5/19

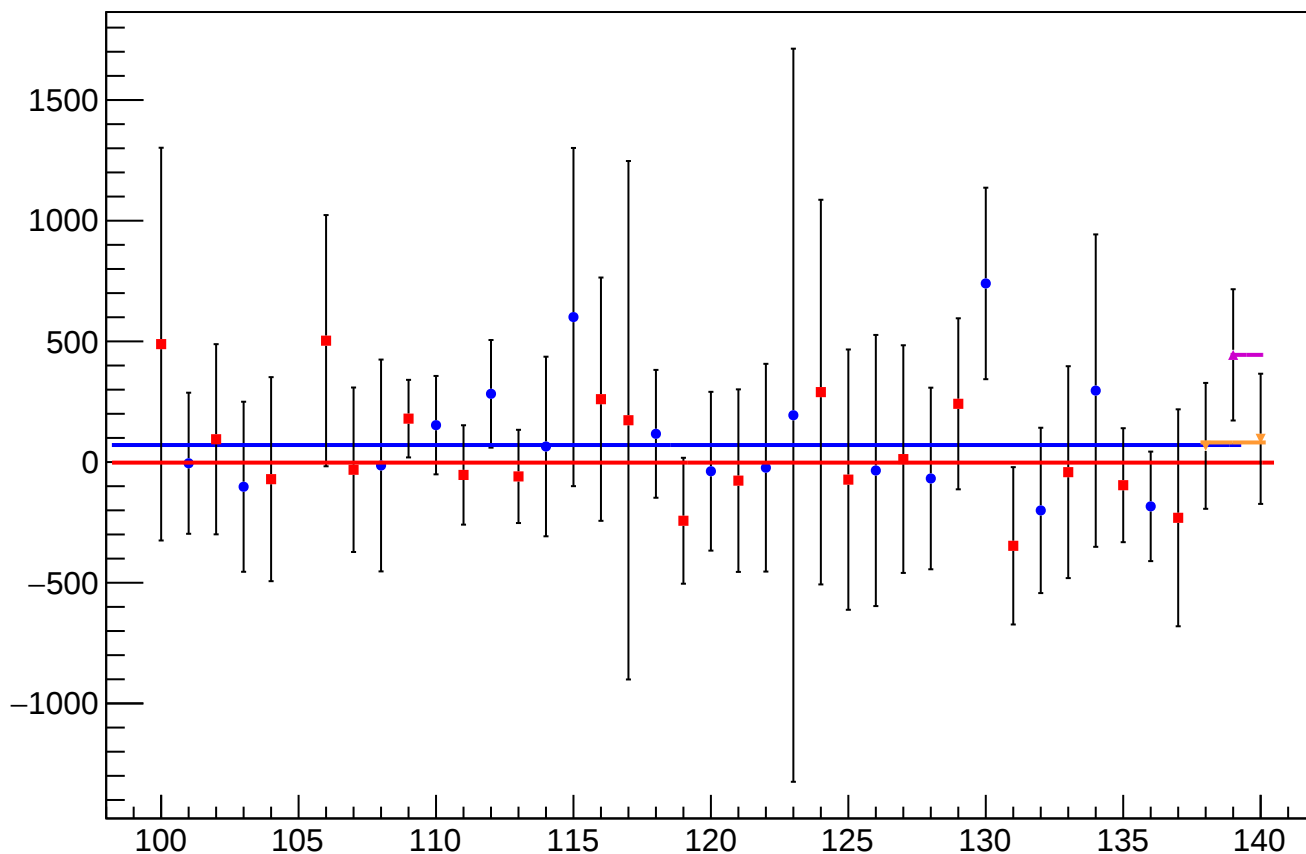
Left In: 17.148 $\pm$ 0.015 χ^2 /NDF:0.0/0

17.442 $\pm$ 0.004 χ^2 /NDF: 38057.4/18

17.539 $\pm$ 0.003 χ^2 /NDF: 71115.0/39

17.644 $\pm$ 0.004 χ^2 /NDF: 31991.5/20

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 70.634+/-80.409 χ^2/NDF : 7.2/16

Left Out: 81.234+/-187.485 χ^2/NDF : 0.0/1

Right Out: -2.285+/-71.350 χ^2/NDF : 6.2/19

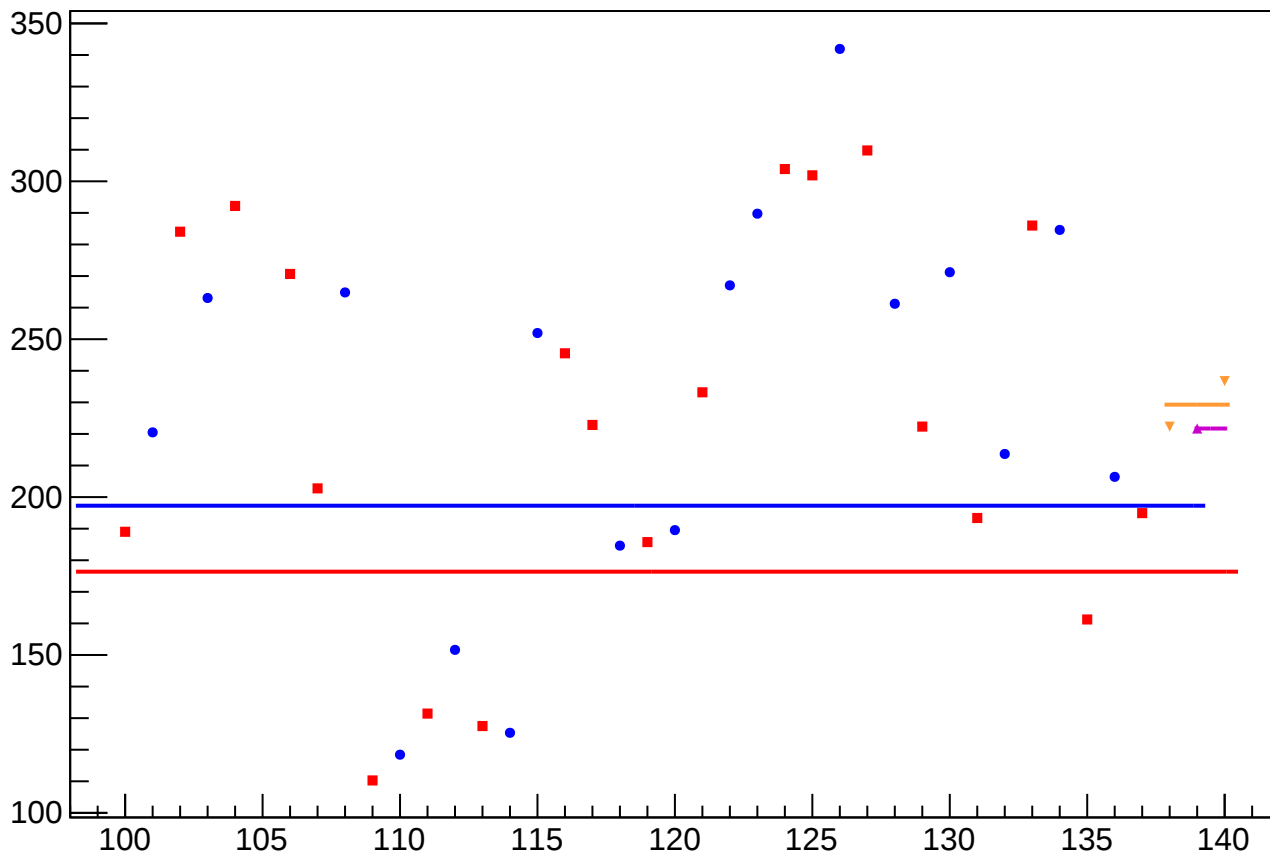
Left In: 444.157+/-271.953 χ^2/NDF : 0.0/0

72.281+/-73.899 χ^2/NDF : 7.2/18

47.809+/-50.439 χ^2/NDF : 16.1/39

26.466+/-69.014 χ^2/NDF : 8.7/20

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.271 $\pm$ 0.057 χ^2 /NDF: 969549.7/16

Left Out: 229.272 $\pm$ 0.133 χ^2 /NDF: 2953.0/1

Right Out: 176.387 $\pm$ 0.050 χ^2 /NDF: 1523467.7/19

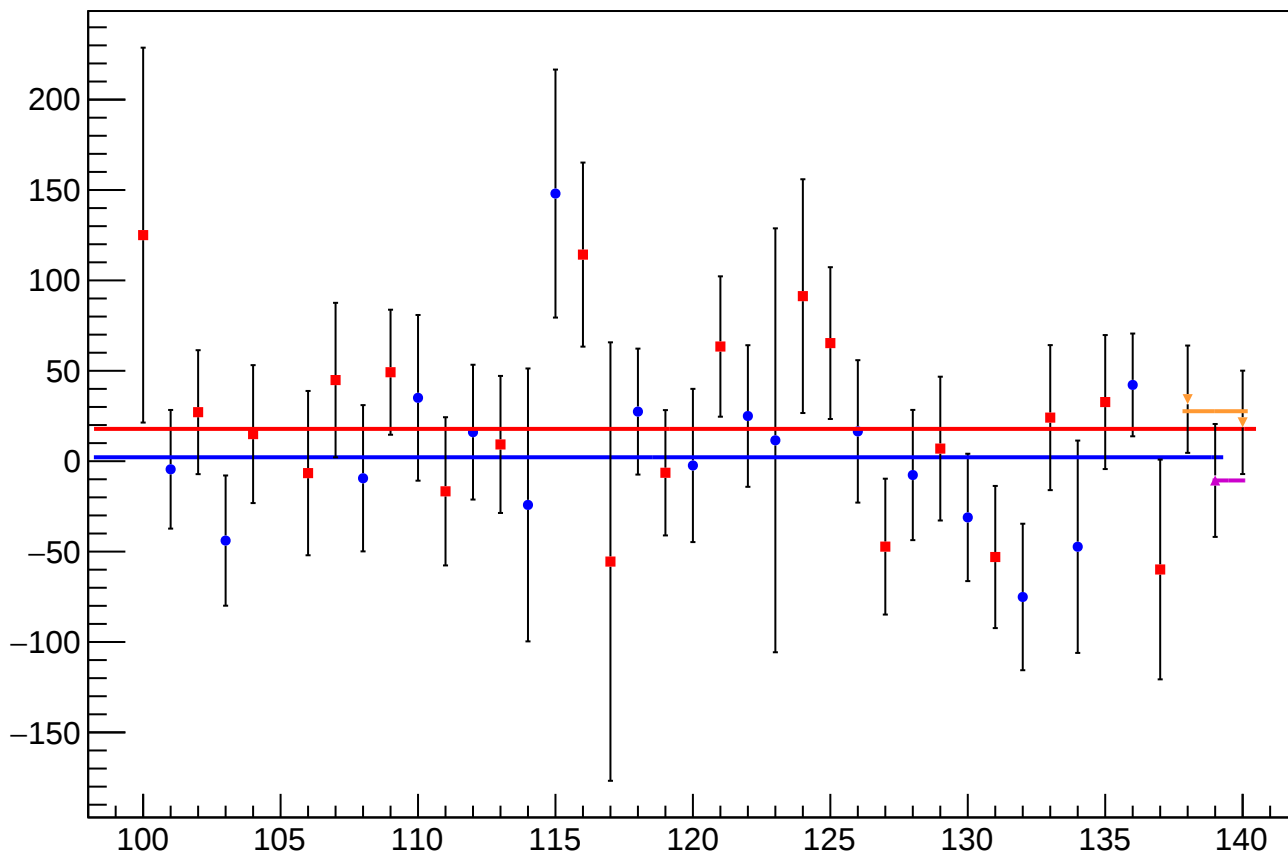
Left In: 221.716 $\pm$ 0.192 χ^2 /NDF: 0.0/0

202.243 $\pm$ 0.052 χ^2 /NDF: 1021717.8/18

189.991 $\pm$ 0.036 χ^2 /NDF: 2700090.9/39

179.306 $\pm$ 0.049 χ^2 /NDF: 1575455.5/20

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 27.648 ± 20.592 $\chi^2/\text{NDF}: 0.1/1$

Right Out: 17.869 ± 9.468 $\chi^2/\text{NDF}: 20.0/19$

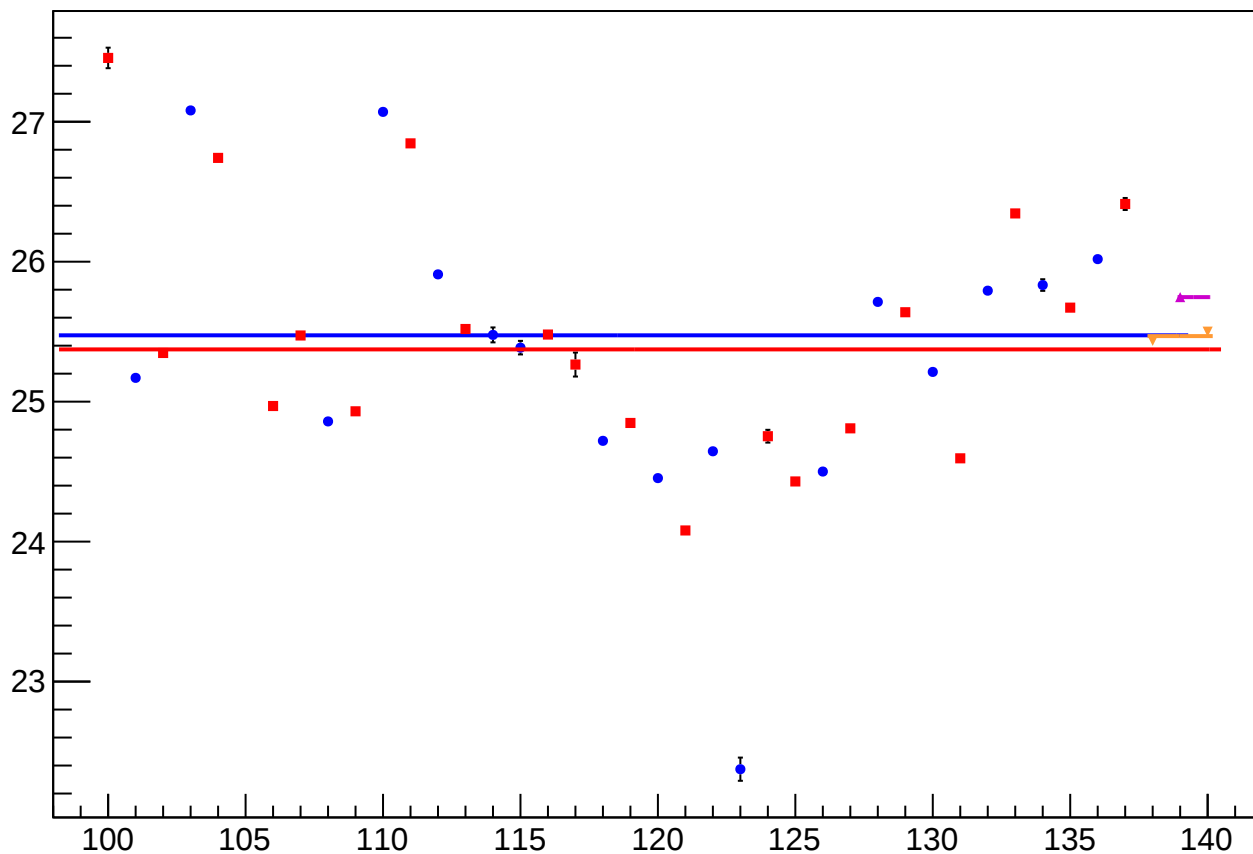
Left In: -10.651 ± 31.228 $\chi^2/\text{NDF}: 0.0/0$

6.901 ± 8.867 $\chi^2/\text{NDF}: 16.7/18$

11.092 ± 6.337 $\chi^2/\text{NDF}: 37.9/39$

15.468 ± 9.061 $\chi^2/\text{NDF}: 20.7/20$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.474 ± 0.007 χ^2/NDF : 14061.2/16

Left Out: 25.468 ± 0.015 χ^2/NDF : 5.1/1

Right Out: 25.373 ± 0.007 χ^2/NDF : 13582.8/19

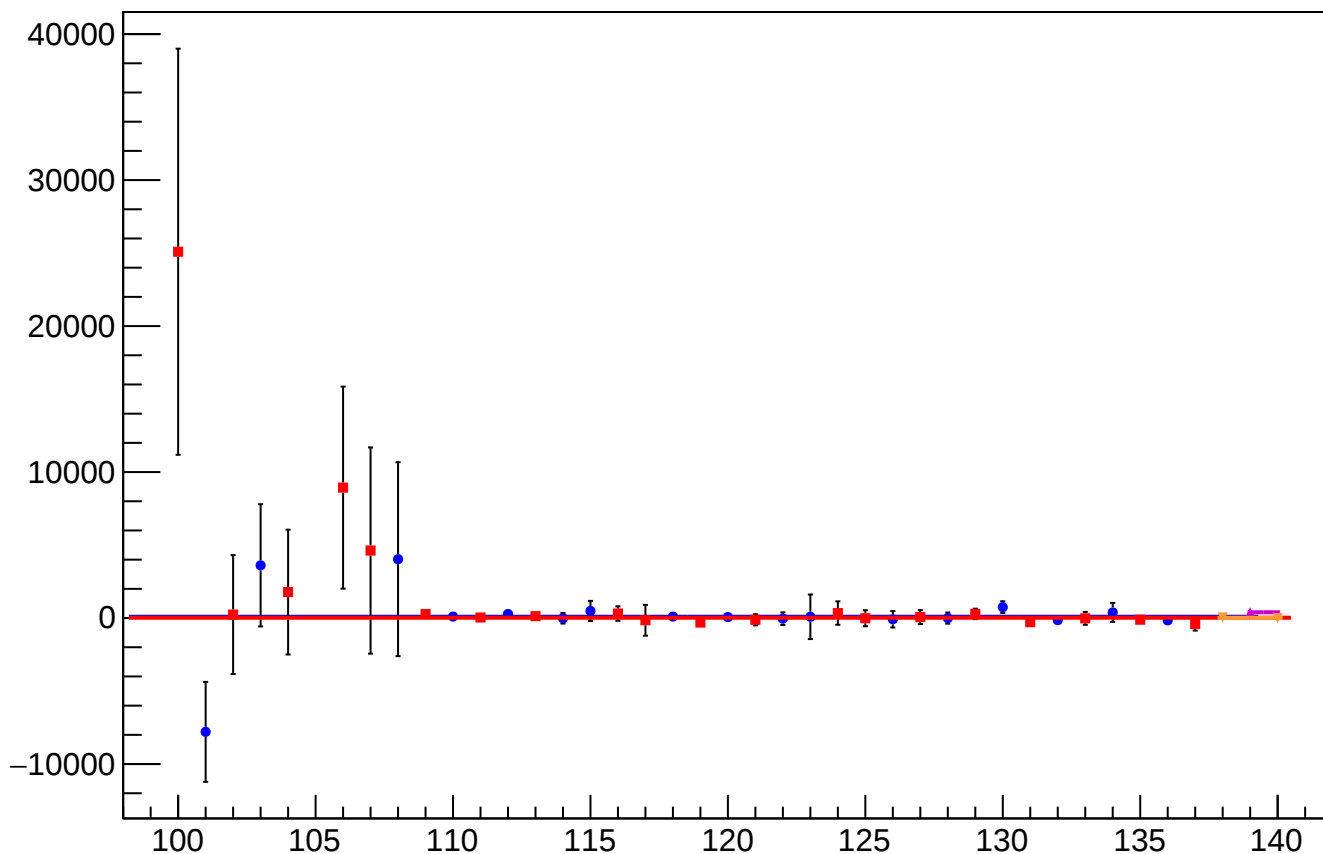
Left In: 25.747 ± 0.022 χ^2/NDF : 0.0/0

25.473 ± 0.006 χ^2/NDF : 14066.4/18

25.440 ± 0.004 χ^2/NDF : 27969.1/39

25.405 ± 0.006 χ^2/NDF : 13845.0/20

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 89.619+/-87.630 χ^2/NDF : 12.3/16

Left Out: 17.784+/-183.353 χ^2/NDF : 0.0/1

Right Out: 21.600+/-80.665 χ^2/NDF : 11.9/19

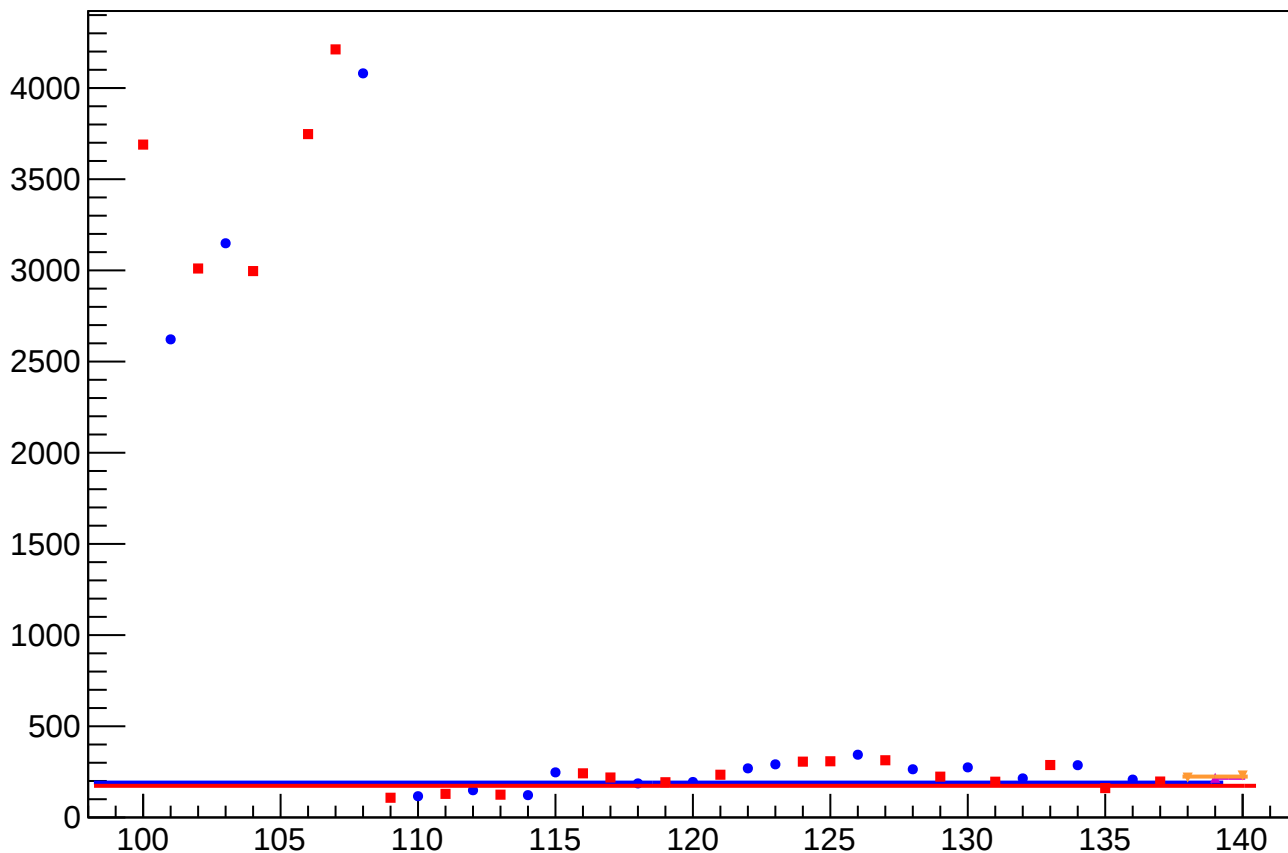
Left In: 395.002+/-266.904 χ^2/NDF : 0.0/0

76.261+/-79.065 χ^2/NDF : 12.4/18

64.280+/-55.242 χ^2/NDF : 26.2/39

52.852+/-77.216 χ^2/NDF : 13.7/20

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.190+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 224.125+/-0.130 χ^2/NDF :1985.4/1

Right Out: 173.536+/-0.057 χ^2/NDF : 4210933.2/19

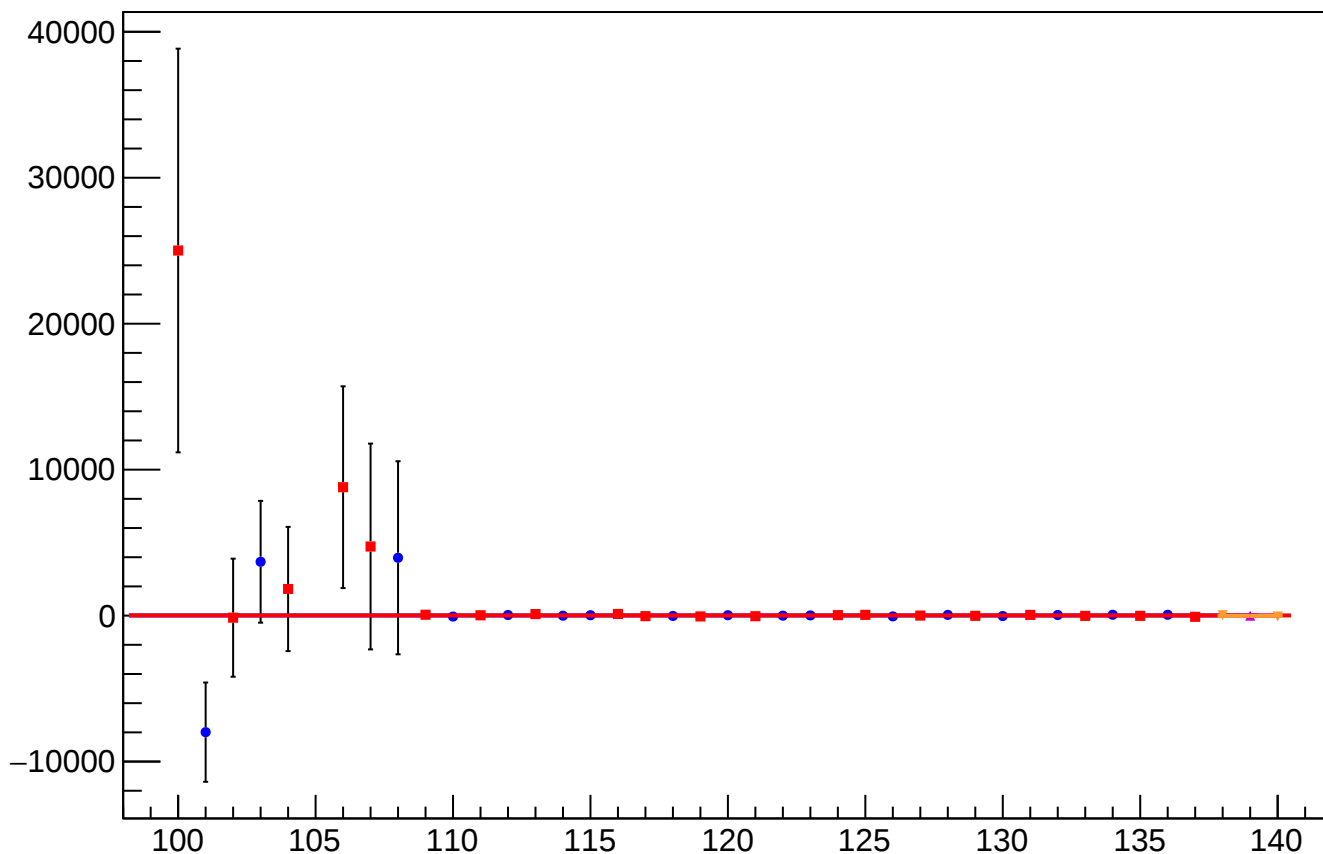
Left In: 217.467+/-0.189 χ^2/NDF :0.0/0

197.314+/-0.056 χ^2/NDF : 3626265.4/18

187.026+/-0.039 χ^2/NDF : 7953009.7/39

177.213+/-0.055 χ^2/NDF : 4260580.0/20

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.398+/-12.190 χ^2/NDF : 18.3/16

Left Out: -19.346+/-23.613 χ^2/NDF : 3.7/1

Right Out: 12.573+/-12.182 χ^2/NDF : 24.5/19

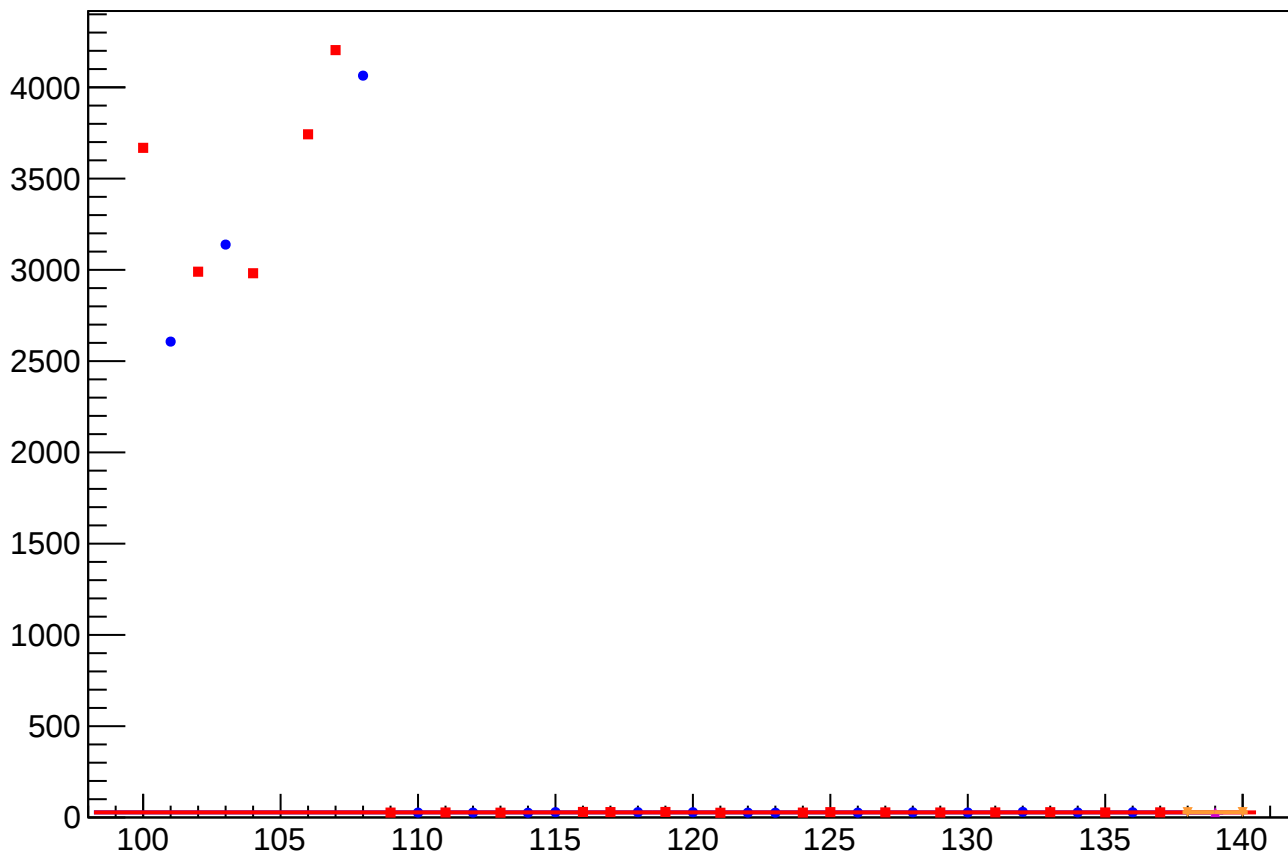
Left In: -3.680+/-35.081 χ^2/NDF : 0.0/0

4.140+/-10.832 χ^2/NDF : 23.2/18

7.280+/-7.887 χ^2/NDF : 48.1/39

10.825+/-11.508 χ^2/NDF : 24.7/20

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.837+/-0.009 χ^2/NDF : 3026887.2/16

Left Out: 29.111+/-0.017 χ^2/NDF :118.5/1

Right Out: 27.706+/-0.009 χ^2/NDF : 3477080.4/19

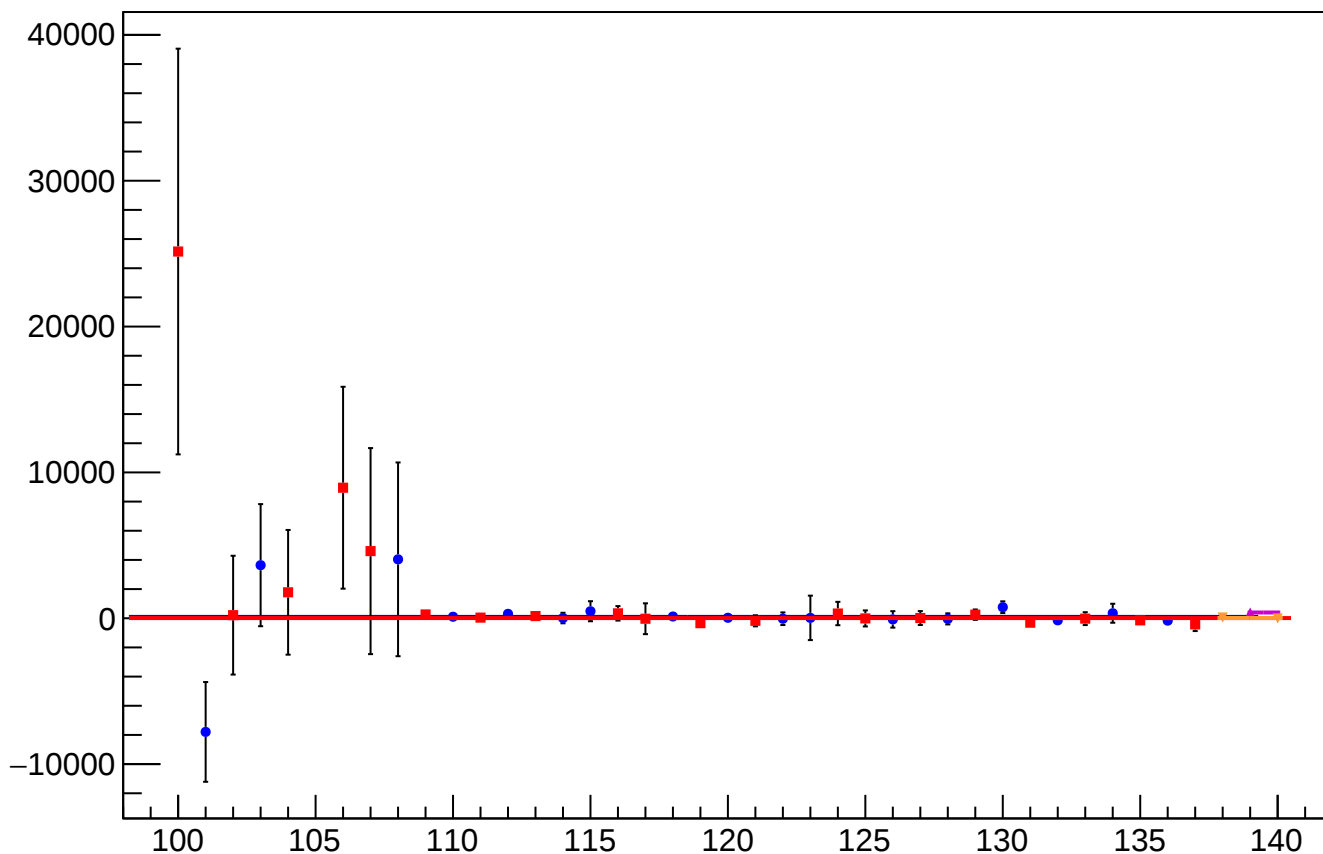
Left In: 28.858+/-0.025 χ^2/NDF :0.0/0

28.105+/-0.008 χ^2/NDF : 3031603.2/18

27.976+/-0.006 χ^2/NDF : 6511209.9/39

27.830+/-0.008 χ^2/NDF : 3479004.5/20

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 92.840+/-87.359 χ^2/NDF : 12.6/16

Left Out: 18.561+/-182.870 χ^2/NDF : 0.0/1

Right Out: 12.509+/-80.407 χ^2/NDF : 12.7/19

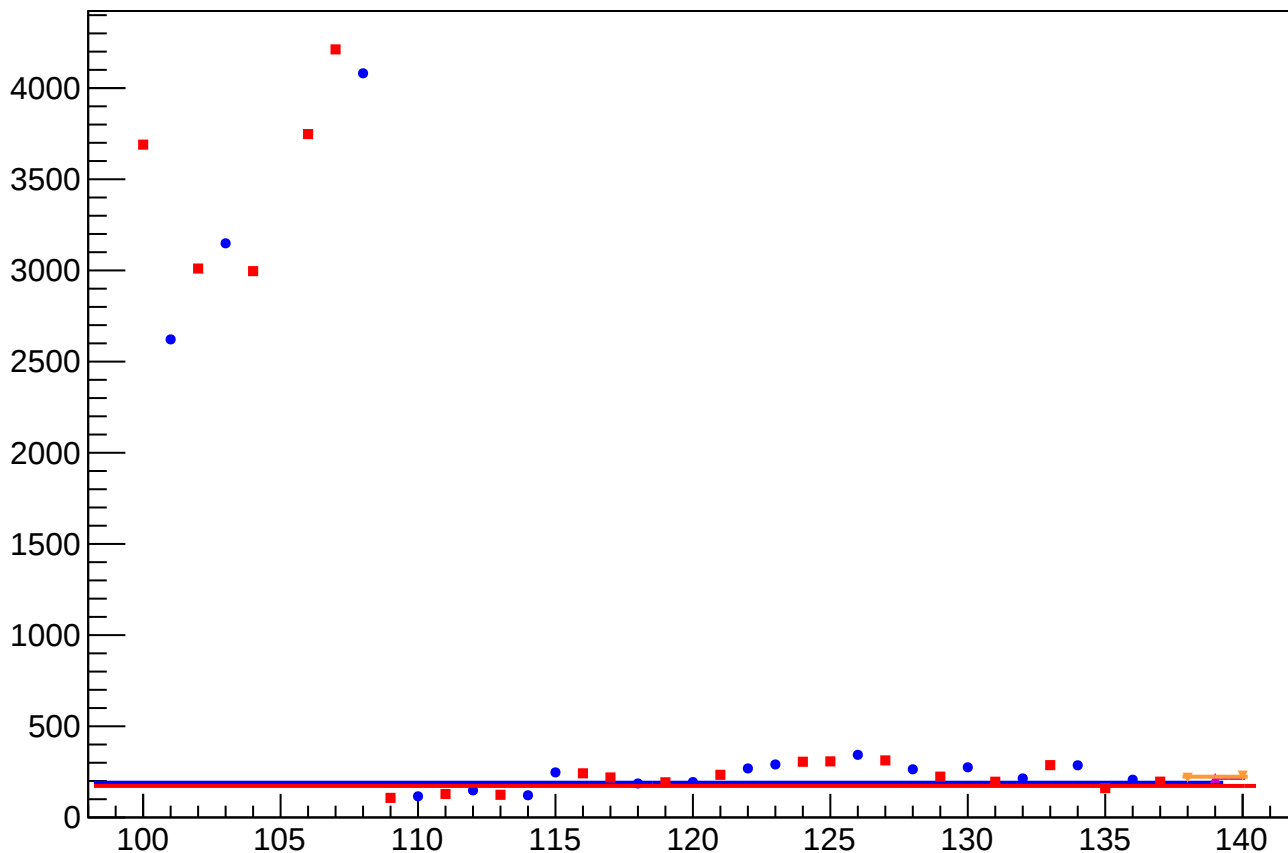
Left In: 394.930+/-266.349 χ^2/NDF : 0.0/0

79.039+/-78.826 χ^2/NDF : 12.8/18

61.333+/-55.073 χ^2/NDF : 27.4/39

44.450+/-76.975 χ^2/NDF : 14.5/20

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.485+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 223.536+/-0.129 χ^2/NDF :1990.0/1

Right Out: 172.872+/-0.057 χ^2/NDF : 4222275.2/19

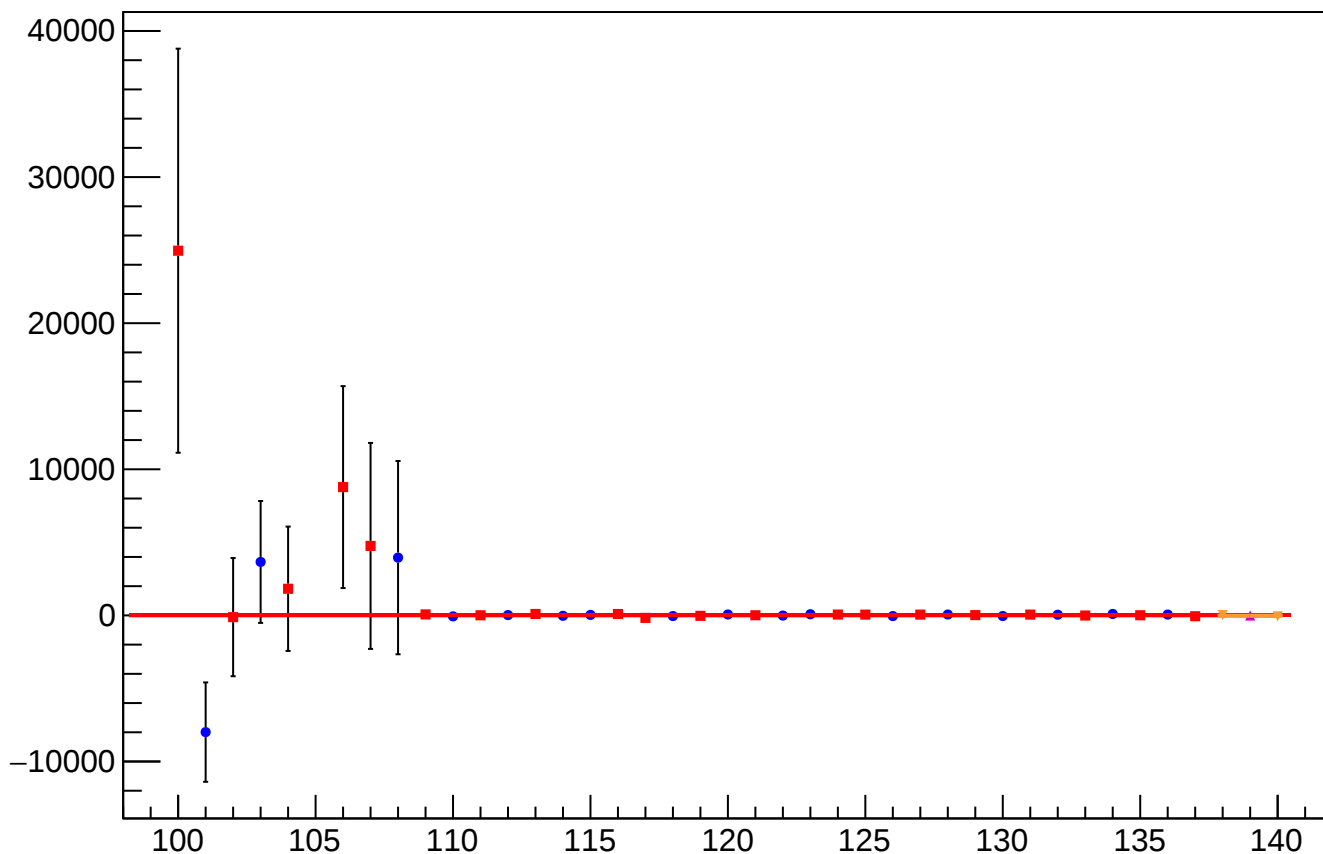
Left In: 217.014+/-0.188 χ^2/NDF :0.0/0

196.626+/-0.056 χ^2/NDF : 3638754.2/18

186.354+/-0.039 χ^2/NDF : 7977724.0/39

176.559+/-0.054 χ^2/NDF : 4272619.8/20

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -24.051 $\pm$ 23.736 χ^2 /NDF: 3.2/1

Right Out: 28.128 $\pm$ 12.282 χ^2 /NDF: 18.5/19

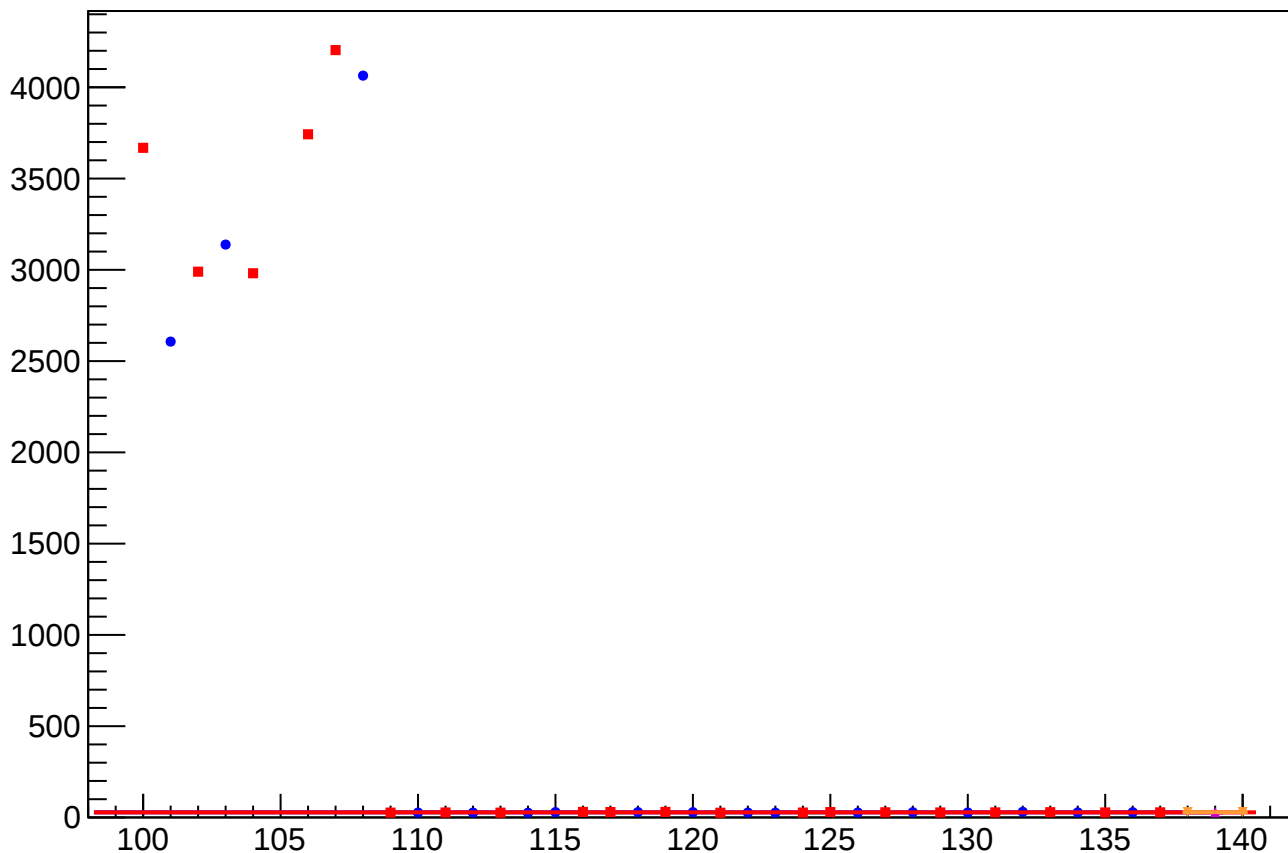
Left In: -7.893 $\pm$ 35.270 χ^2 /NDF: 0.0/0

2.501 $\pm$ 10.902 χ^2 /NDF: 28.0/18

12.695 $\pm$ 7.944 χ^2 /NDF: 49.3/39

24.233 $\pm$ 11.599 χ^2 /NDF: 19.4/20

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.023+/-0.009 χ^2/NDF : 3027003.0/16

Left Out: 29.264+/-0.017 χ^2/NDF : 0.8/1

Right Out: 27.929+/-0.009 χ^2/NDF : 3479867.7/19

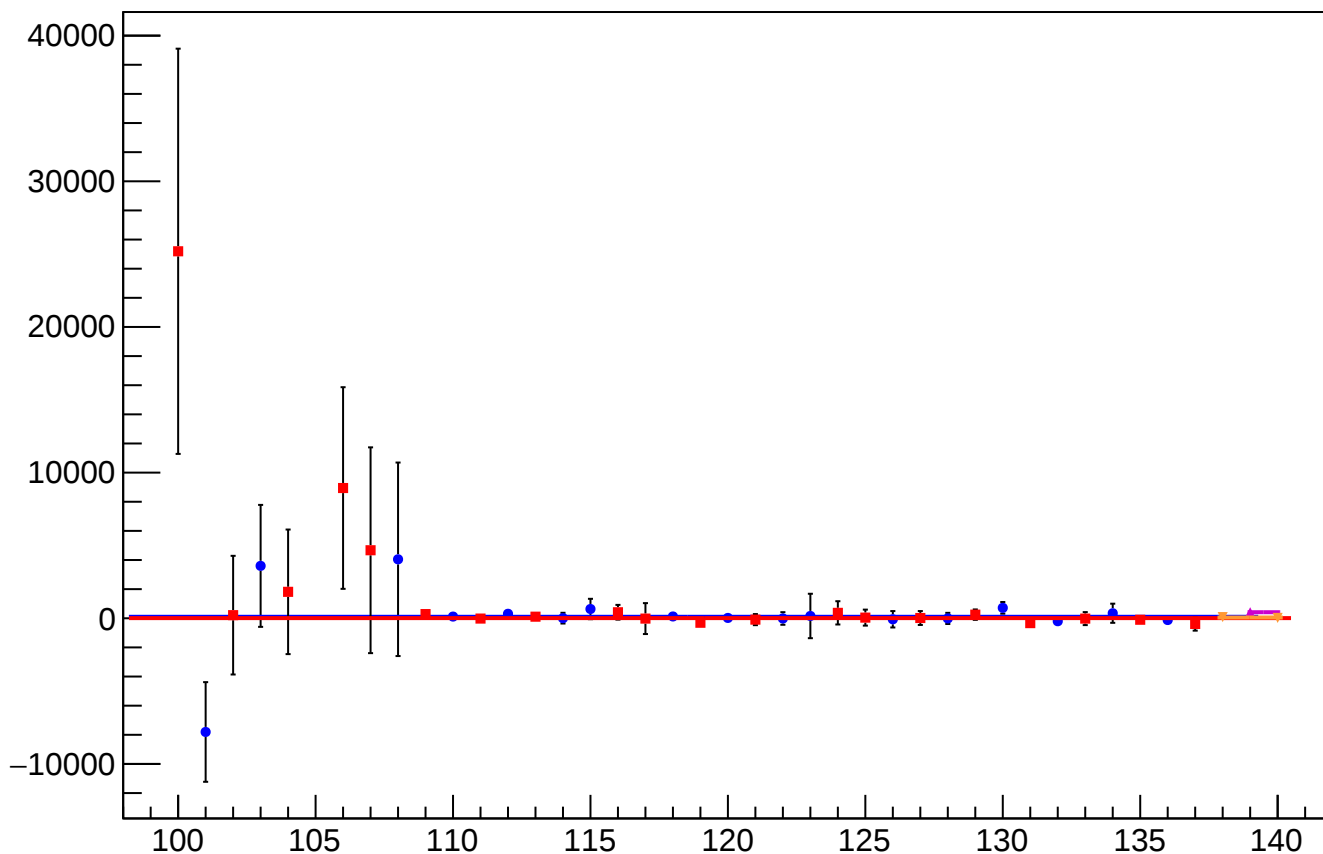
Left In: 29.014+/-0.025 χ^2/NDF : 0.0/0

28.285+/-0.008 χ^2/NDF : 3031317.0/18

28.173+/-0.006 χ^2/NDF : 6513321.0/39

28.046+/-0.008 χ^2/NDF : 3481556.2/20

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 101.772 $\pm$ 88.390 χ^2 /NDF: 12.4/16

Left Out: 53.139 $\pm$ 185.873 χ^2 /NDF: 0.0/1

Right Out: 11.037 $\pm$ 81.486 χ^2 /NDF: 12.3/19

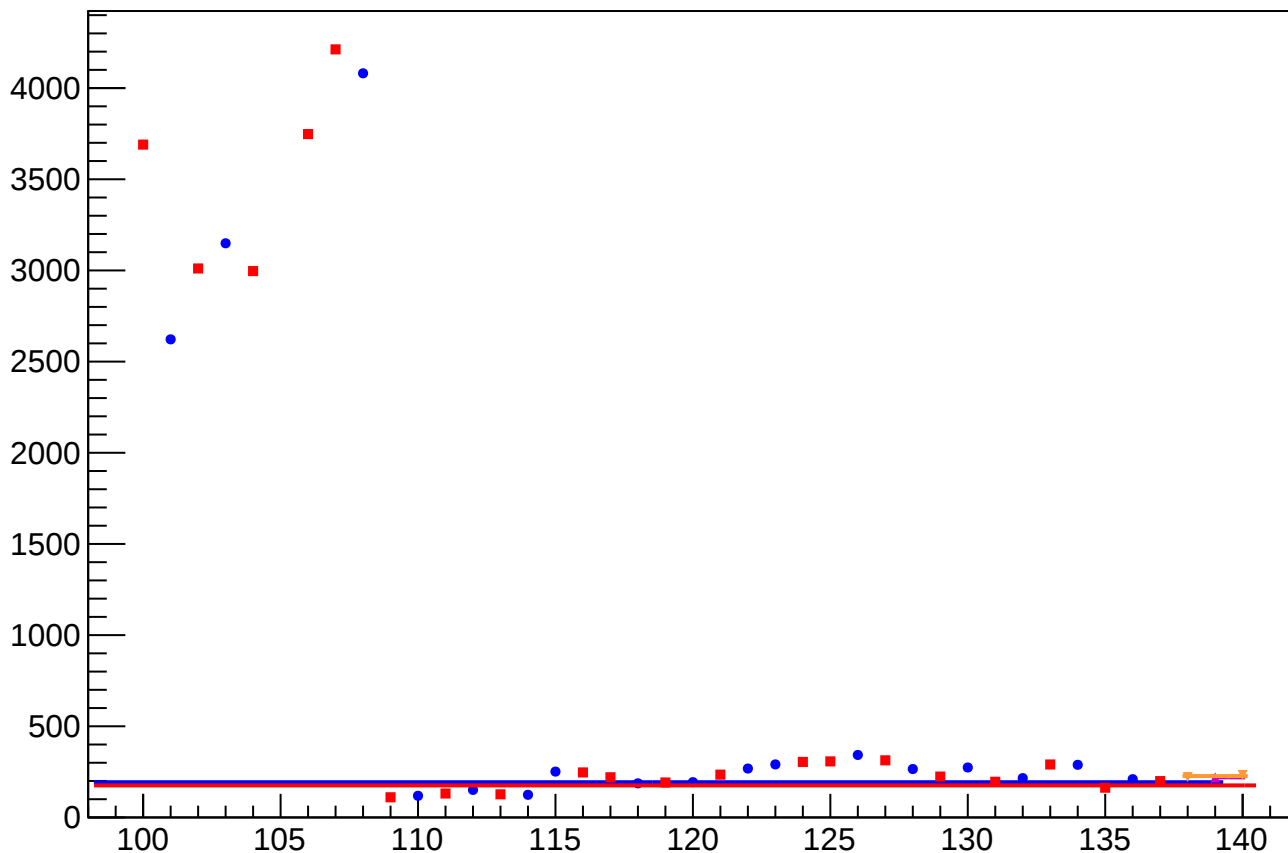
Left In: 415.534 $\pm$ 269.895 χ^2 /NDF: 0.0/0

92.802 $\pm$ 79.824 χ^2 /NDF: 12.5/18

68.263 $\pm$ 55.791 χ^2 /NDF: 27.0/39

44.828 $\pm$ 78.008 χ^2 /NDF: 14.3/20

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.190 $\pm$ 0.063 χ^2 /NDF: 3536123.5/16

Left Out: 227.235 $\pm$ 0.131 χ^2 /NDF:1855.0/1

Right Out: 175.749 $\pm$ 0.058 χ^2 /NDF: 4168935.2/19

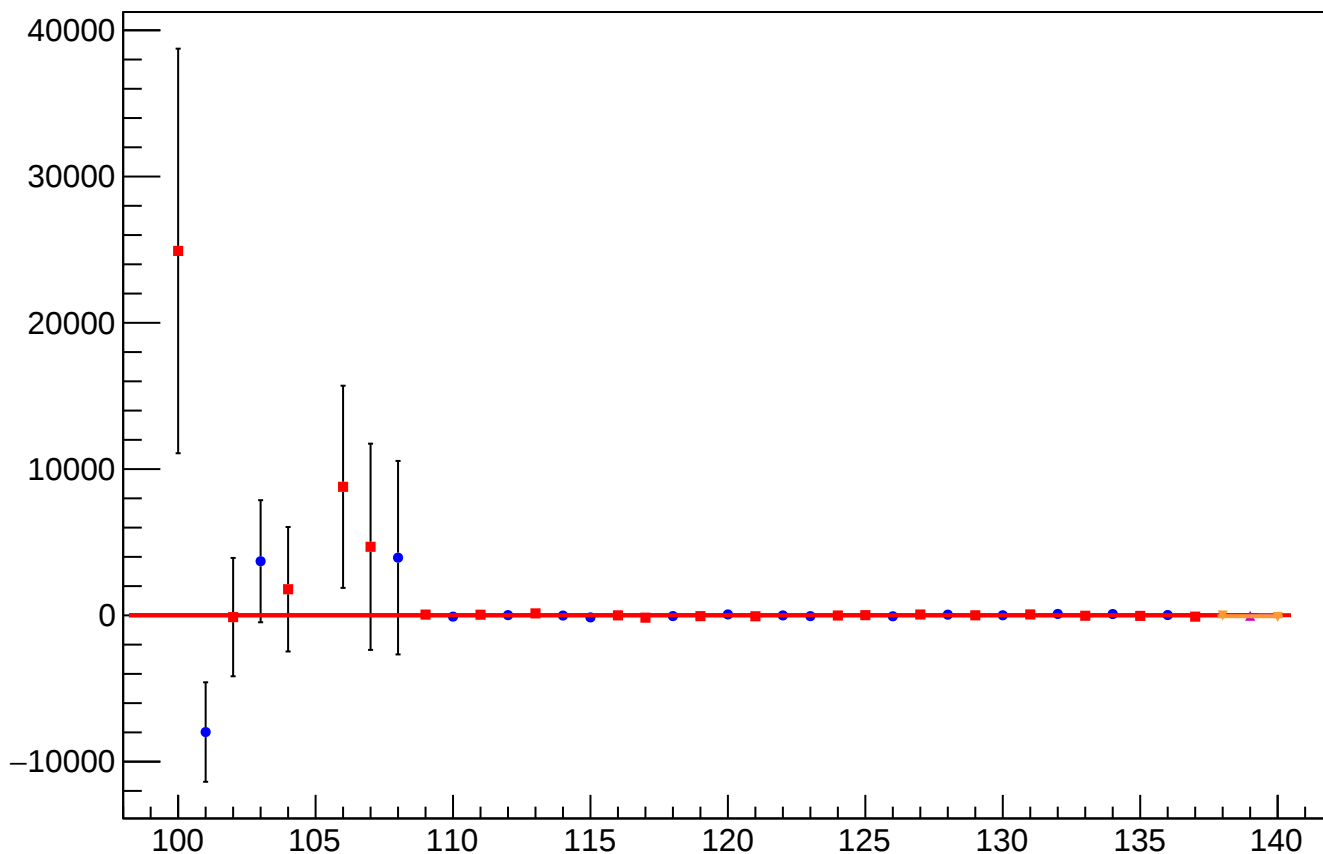
Left In: 219.928 $\pm$ 0.191 χ^2 /NDF:0.0/0

199.469 $\pm$ 0.056 χ^2 /NDF: 3592701.4/18

189.224 $\pm$ 0.039 χ^2 /NDF: 7875154.1/39

179.440 $\pm$ 0.055 χ^2 /NDF: 4218046.8/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.651 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -58.625 $\pm$ 28.817 χ^2 /NDF: 3.0/1

Right Out: 11.101 $\pm$ 14.886 χ^2 /NDF: 22.7/19

Left In: -25.045 $\pm$ 42.812 χ^2 /NDF: 0.0/0

-8.746 $\pm$ 13.260 χ^2 /NDF: 27.2/18

-1.238 $\pm$ 9.647 χ^2 /NDF: 51.2/39

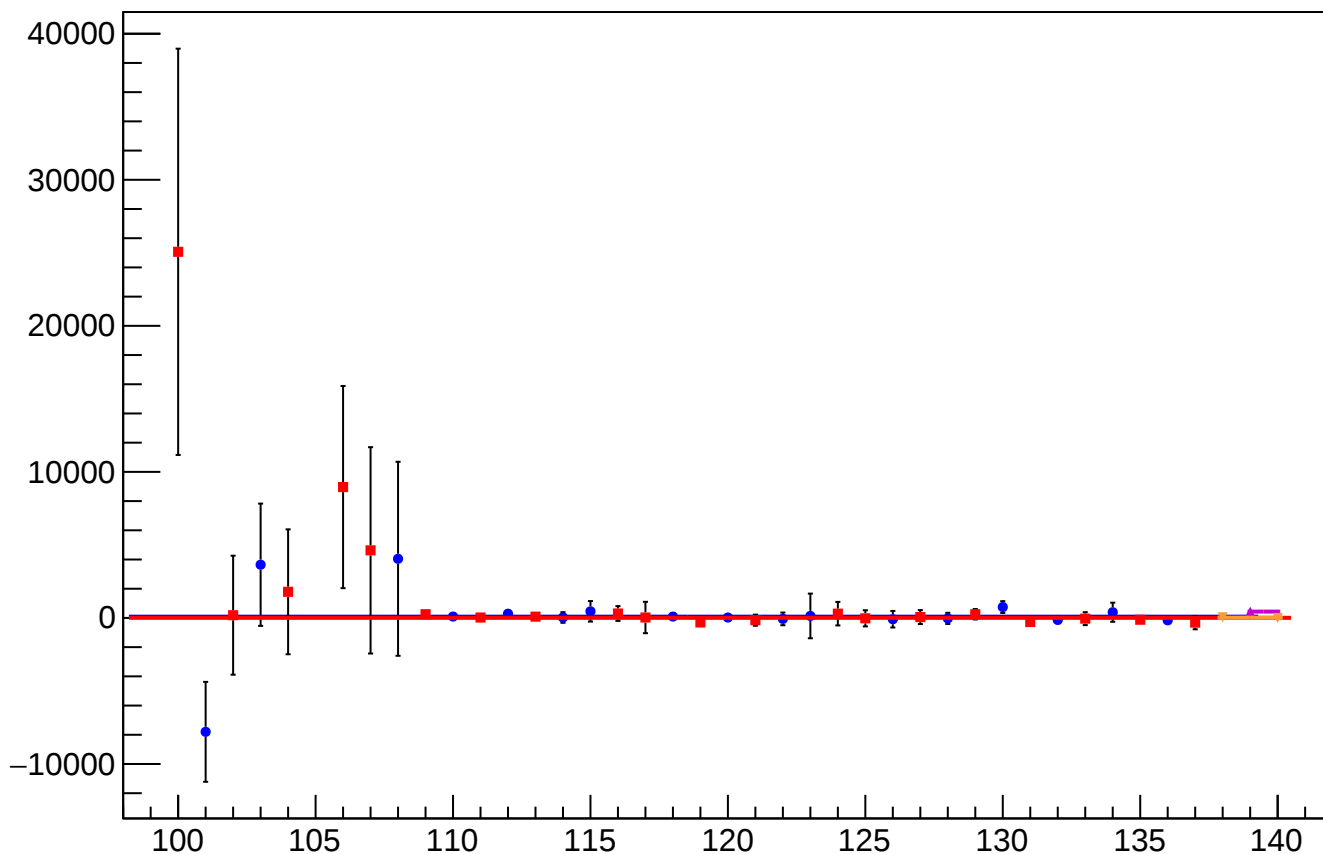
7.203 $\pm$ 14.060 χ^2 /NDF: 23.4/20

Figure 1 is a scatter plot with a linear fit. The x-axis is labeled 'N' and ranges from 100 to 140. The y-axis is labeled 'log(N of states)' and ranges from 0 to 10. There are two data series: one represented by red squares and another by blue circles. Both series show a linear increase in the logarithm of the number of states as N increases. The red squares are generally higher than the blue circles for the same N. A red line represents the linear fit for the red squares, and a blue line represents the linear fit for the blue circles. The red line has a steeper slope than the blue line.

Left In: 35.257+/-0.030 χ^2/NDF :0.0/0

34.060+/-0.010 χ^2/NDF : 3453648.3/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: 19.048+/-183.851 χ^2/NDF : 0.0/1

Right Out: 7.420+/-80.977 χ^2/NDF : 11.1/19

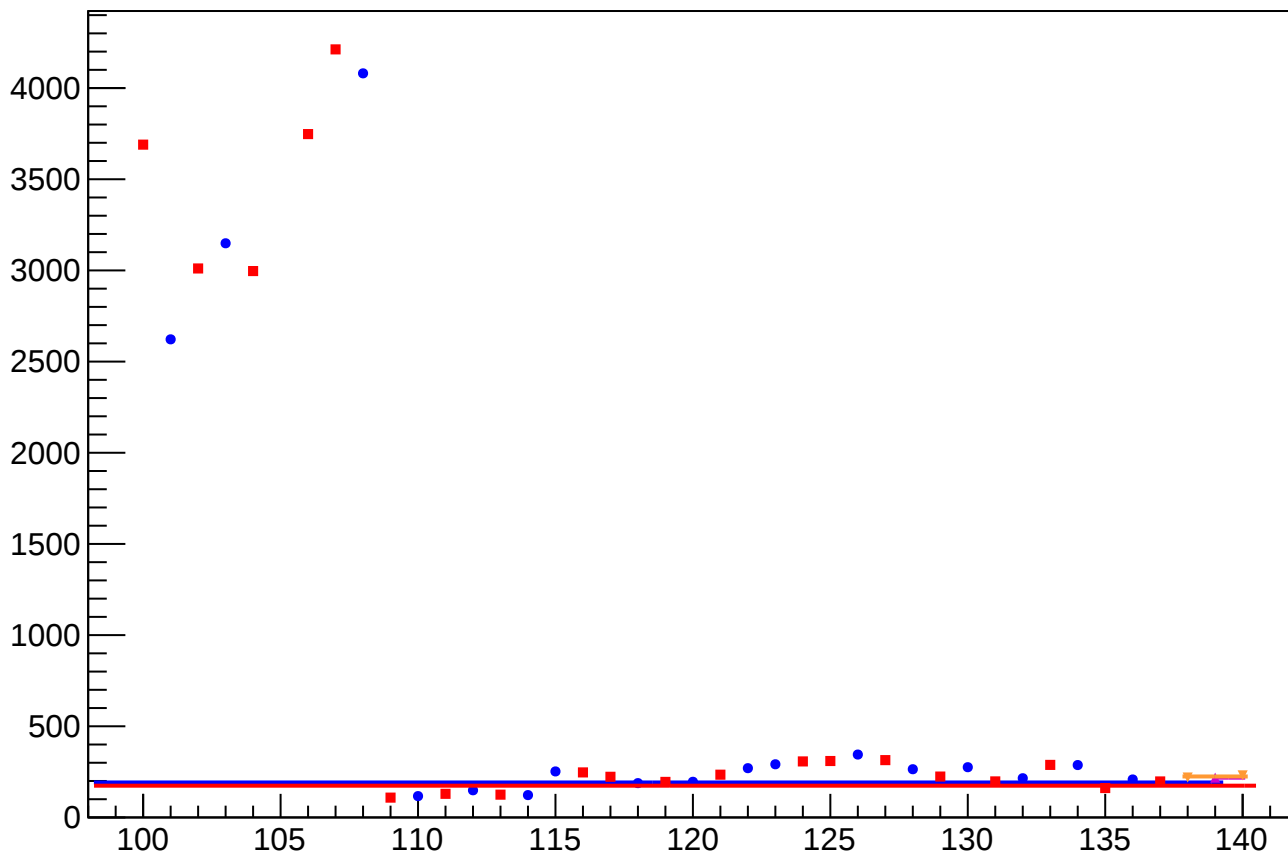
Left In: 433.601+/-267.861 χ^2/NDF : 0.0/0

73.565+/-79.337 χ^2/NDF : 12.5/18

57.982+/-55.444 χ^2/NDF : 26.0/39

43.108+/-77.513 χ^2/NDF : 13.4/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.880+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 224.735+/-0.130 χ^2/NDF : 2036.7/1

Right Out: 174.207+/-0.057 χ^2/NDF : 4215538.3/19

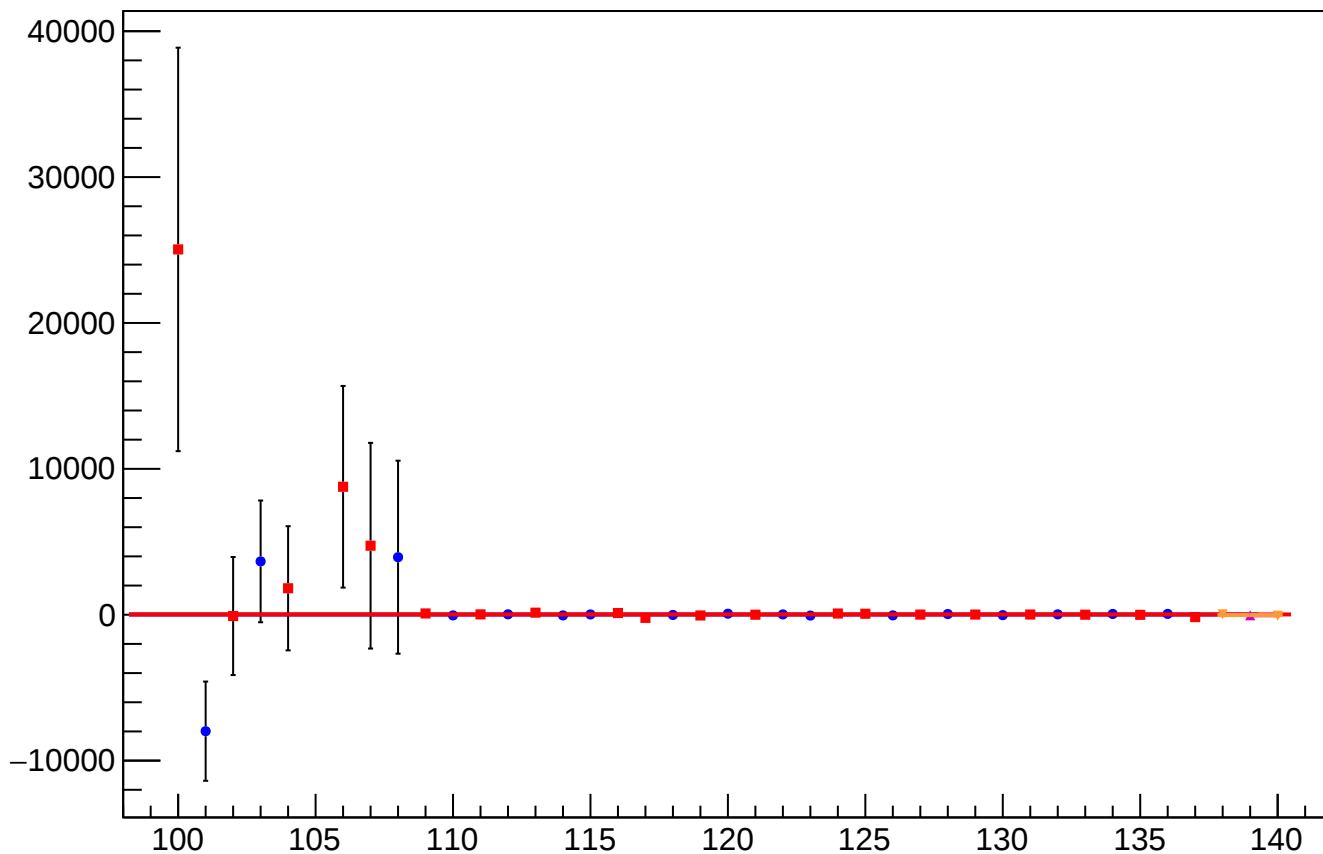
Left In: 218.244+/-0.189 χ^2/NDF : 0.0/0

197.998+/-0.056 χ^2/NDF : 3627073.4/18

187.713+/-0.039 χ^2/NDF : 7957848.4/39

177.894+/-0.055 χ^2/NDF : 4265069.7/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -23.713+/-25.910 χ^2/NDF : 3.7/1

Right Out: 21.490+/-13.601 χ^2/NDF : 29.9/19

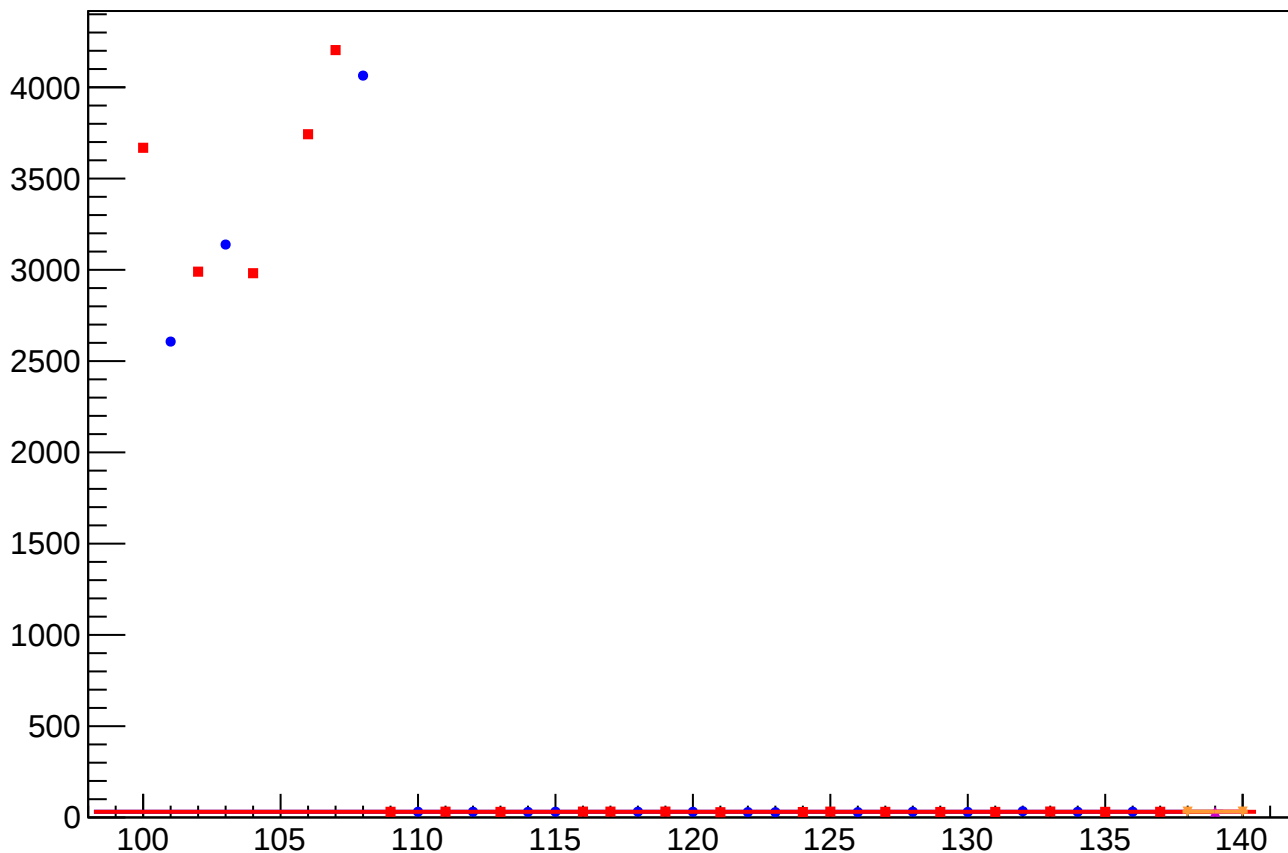
Left In: -37.300+/-38.562 χ^2/NDF : 0.0/0

5.932+/-12.054 χ^2/NDF : 20.5/18

10.178+/-8.784 χ^2/NDF : 52.8/39

14.986+/-12.827 χ^2/NDF : 32.0/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.127+/-0.010 χ^2/NDF : 3014425.9/16

Left Out: 31.962+/-0.018 χ^2/NDF : 37.1/1

Right Out: 30.970+/-0.010 χ^2/NDF : 3459018.8/19

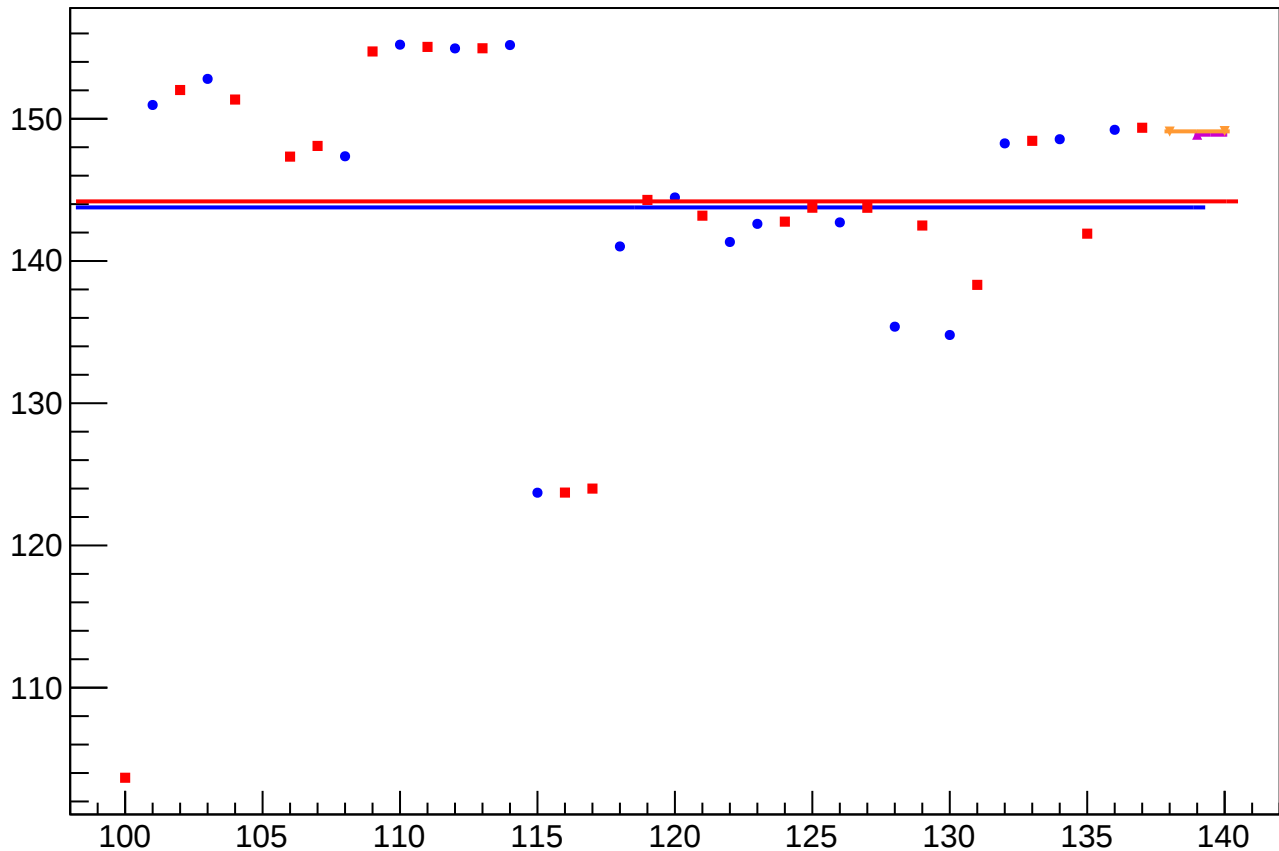
Left In: 31.742+/-0.027 χ^2/NDF : 0.0/0

31.307+/-0.009 χ^2/NDF : 3016092.0/18

31.189+/-0.006 χ^2/NDF : 6476231.5/39

31.056+/-0.009 χ^2/NDF : 3459730.7/20

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16

Left Out: 149.116 $\pm$ 0.000 χ^2 /NDF: 4669.5/1

Right Out: 144.192 $\pm$ 0.000 χ^2 /NDF: 4524049993.1/19

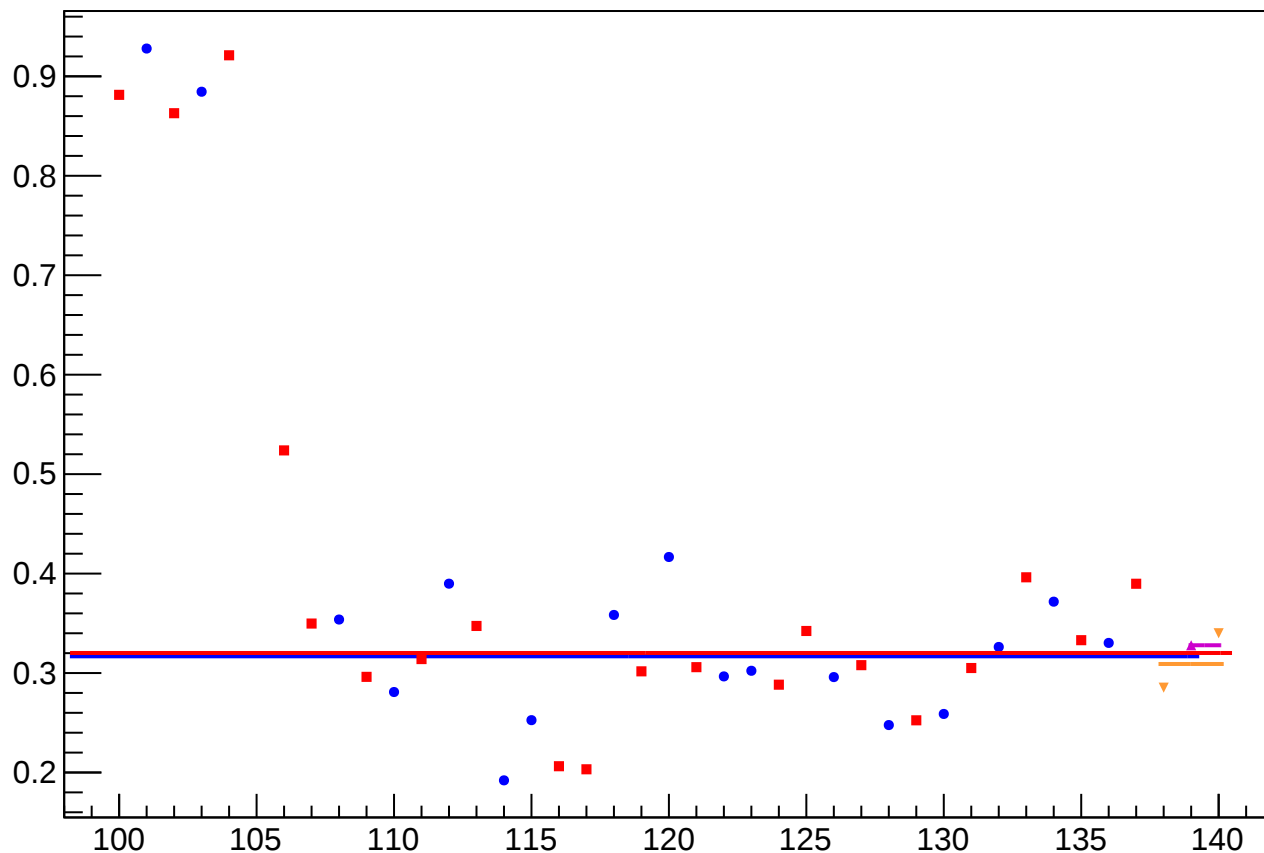
Left In: 148.880 $\pm$ 0.000 χ^2 /NDF: 0.0/0

144.933 $\pm$ 0.000 χ^2 /NDF: 3878791052.6/18

144.796 $\pm$ 0.000 χ^2 /NDF: 8526889961.9/19

144.642 $\pm$ 0.000 χ^2 /NDF: 4645267898.7/20

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.309+/-0.000 χ^2/NDF : 22800.1/1

Right Out: 0.320+/-0.000 χ^2/NDF : 1240600.2/19

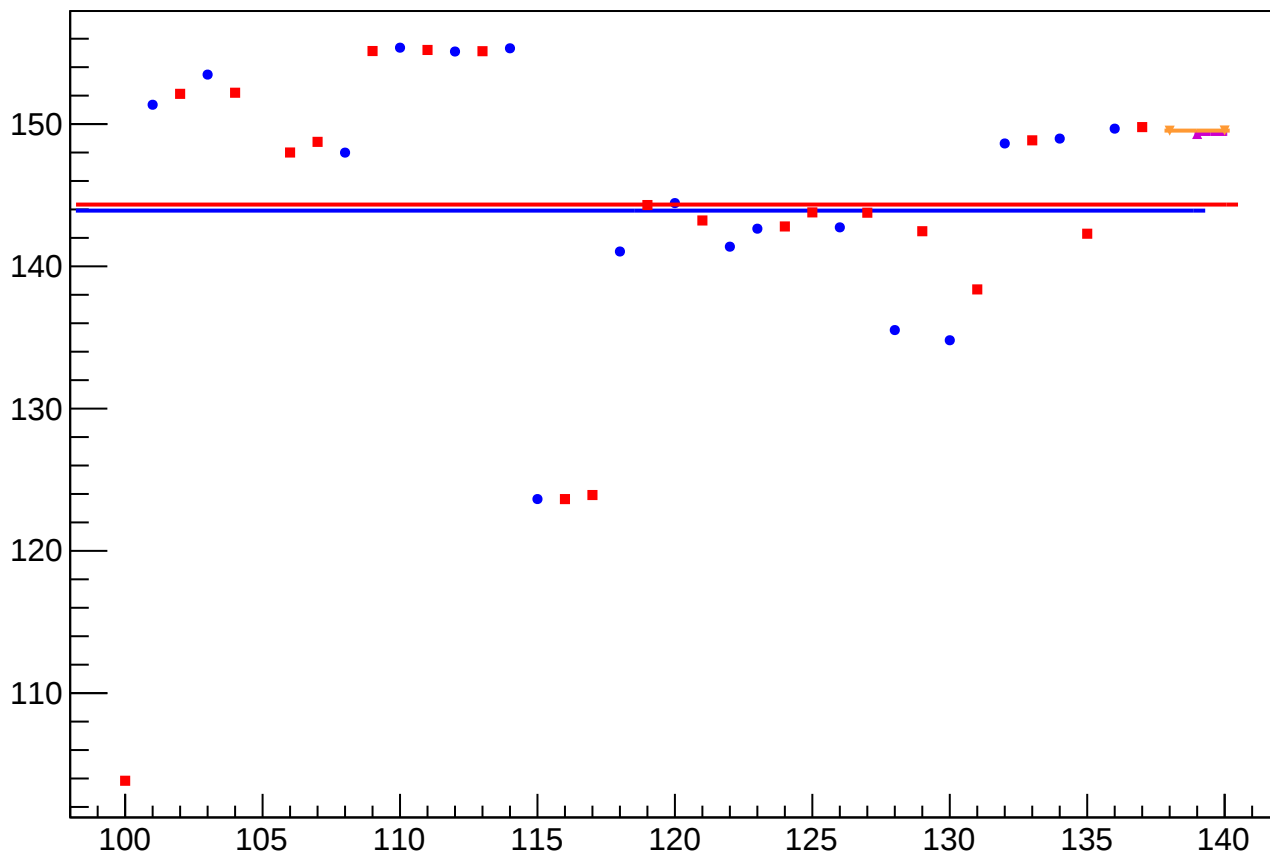
Left In: 0.328+/-0.000 χ^2/NDF : 0.0/0

0.315+/-0.000 χ^2/NDF : 1302858.0/18

0.318+/-0.000 χ^2/NDF : 2546361.7/39

0.321+/-0.000 χ^2/NDF : 1241266.3/20

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.917+/-0.000 χ^2/NDF : 3584662767.5/16

Left Out: 149.541+/-0.000 χ^2/NDF : 624.6/1

Right Out: 144.342+/-0.000 χ^2/NDF : 4551365931.0/19

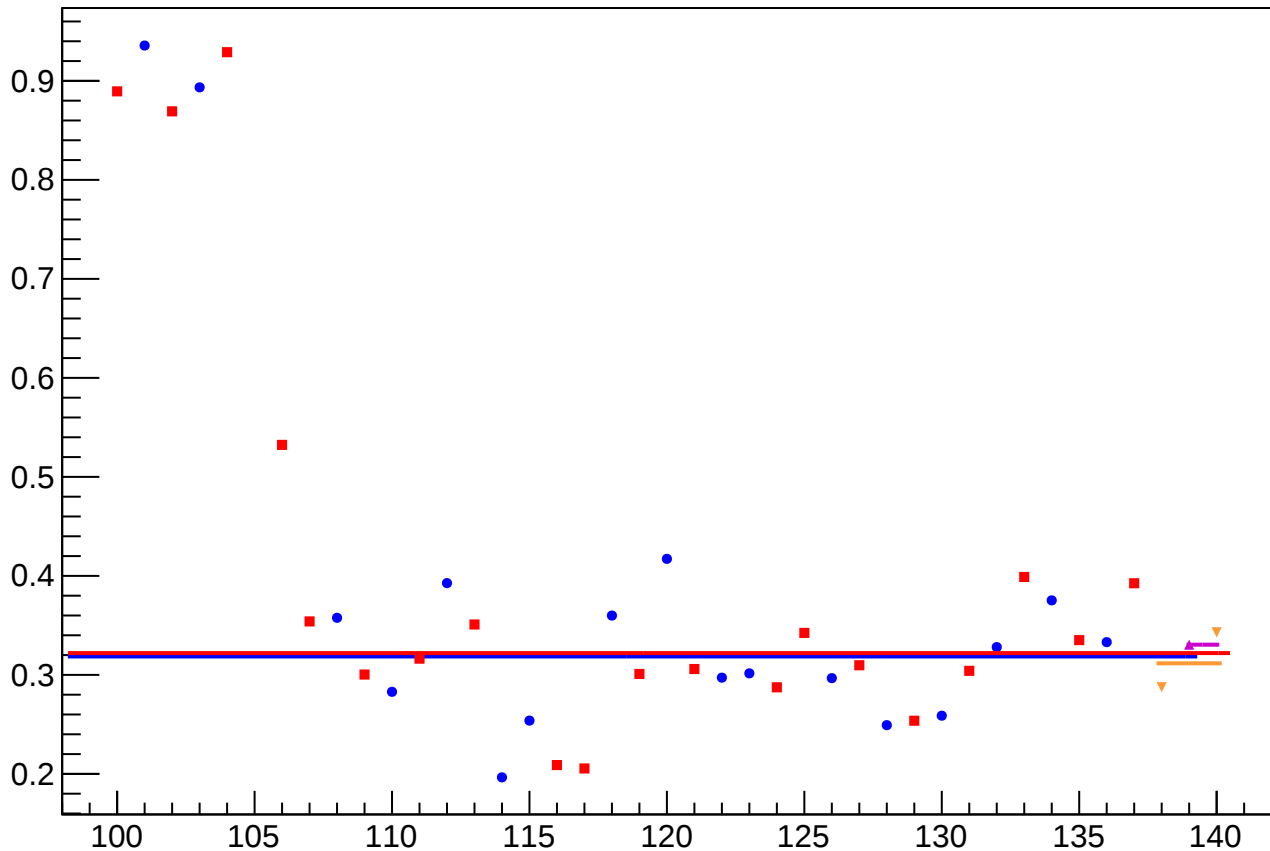
Left In: 149.305+/-0.000 χ^2/NDF : 0.0/0

145.136+/-0.000 χ^2/NDF : 3962198141.3/18

144.986+/-0.000 χ^2/NDF : 8650645413.6/18

144.817+/-0.000 χ^2/NDF : 4685074303.8/20

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.312+/-0.000 χ^2/NDF : 23020.6/1

Right Out: 0.322+/-0.000 χ^2/NDF : 1243109.0/19

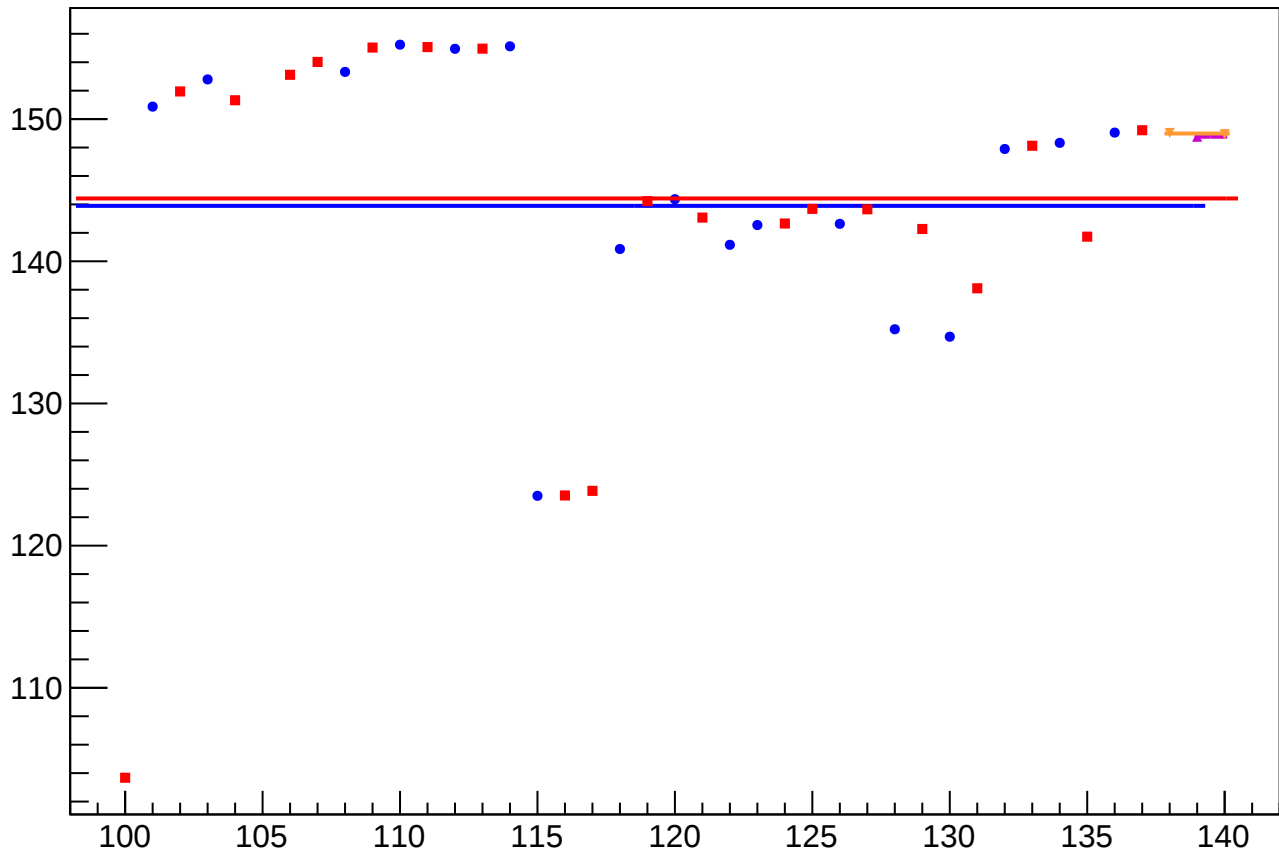
Left In: 0.331+/-0.000 χ^2/NDF : 0.0/0

0.317+/-0.000 χ^2/NDF : 1304911.8/18

0.320+/-0.000 χ^2/NDF : 2550981.7/39

0.323+/-0.000 χ^2/NDF : 1243890.6/20

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.899 $\pm$ 0.000 χ^2/NDF : 3749888331.0/16

Left Out: 148.987 $\pm$ 0.000 χ^2/NDF : 29210.6/1

Right Out: 144.419 $\pm$ 0.000 χ^2/NDF : 4820290476.6/19

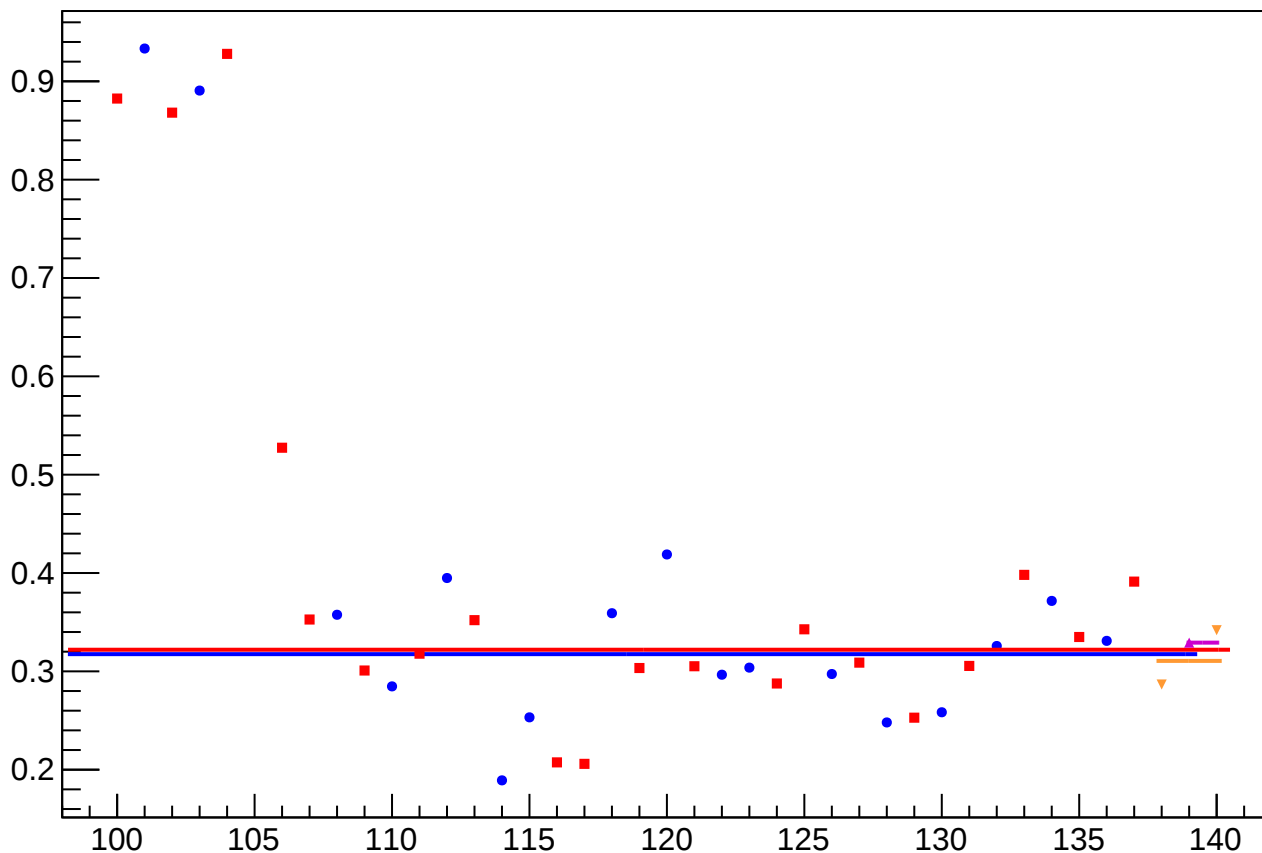
Left In: 148.762 $\pm$ 0.000 χ^2/NDF : 0.0/0

145.003 $\pm$ 0.000 χ^2/NDF : 4060899627.9/18

144.925 $\pm$ 0.000 χ^2/NDF : 8985341576.6/18

144.838 $\pm$ 0.000 χ^2/NDF : 4923529195.2/20

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.311+/-0.000 χ^2/NDF : 22984.6/1

Right Out: 0.322+/-0.000 χ^2/NDF : 1243703.4/19

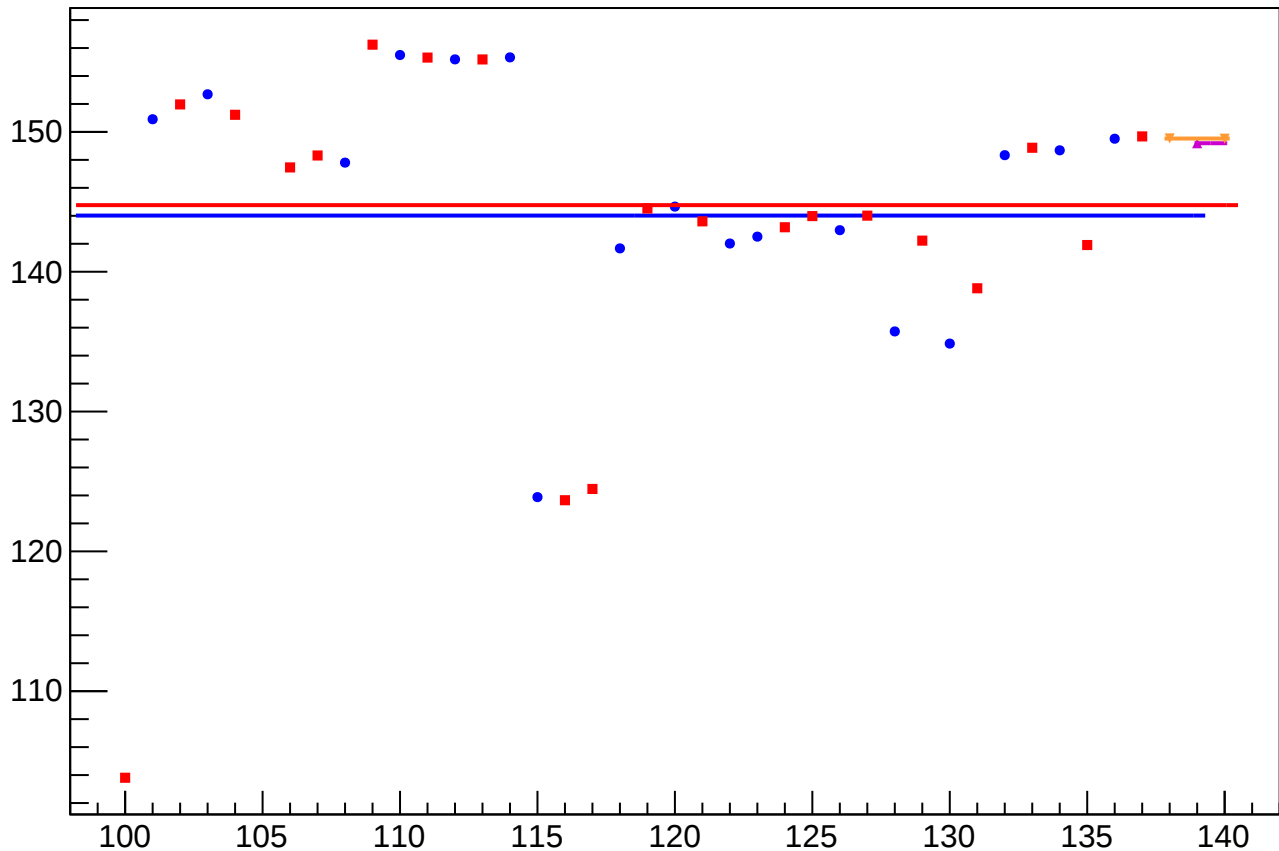
Left In: 0.329+/-0.000 χ^2/NDF : 0.0/0

0.316+/-0.000 χ^2/NDF : 1317296.2/18

0.319+/-0.000 χ^2/NDF : 2564541.3/39

0.323+/-0.000 χ^2/NDF : 1244272.7/20

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.018 $\pm$ 0.000 χ^2 /NDF: 3238525527.6/16

Left Out: 149.527 $\pm$ 0.000 χ^2 /NDF:1413.0/1

Right Out: 144.764 $\pm$ 0.000 χ^2 /NDF: 4098462011.9/19

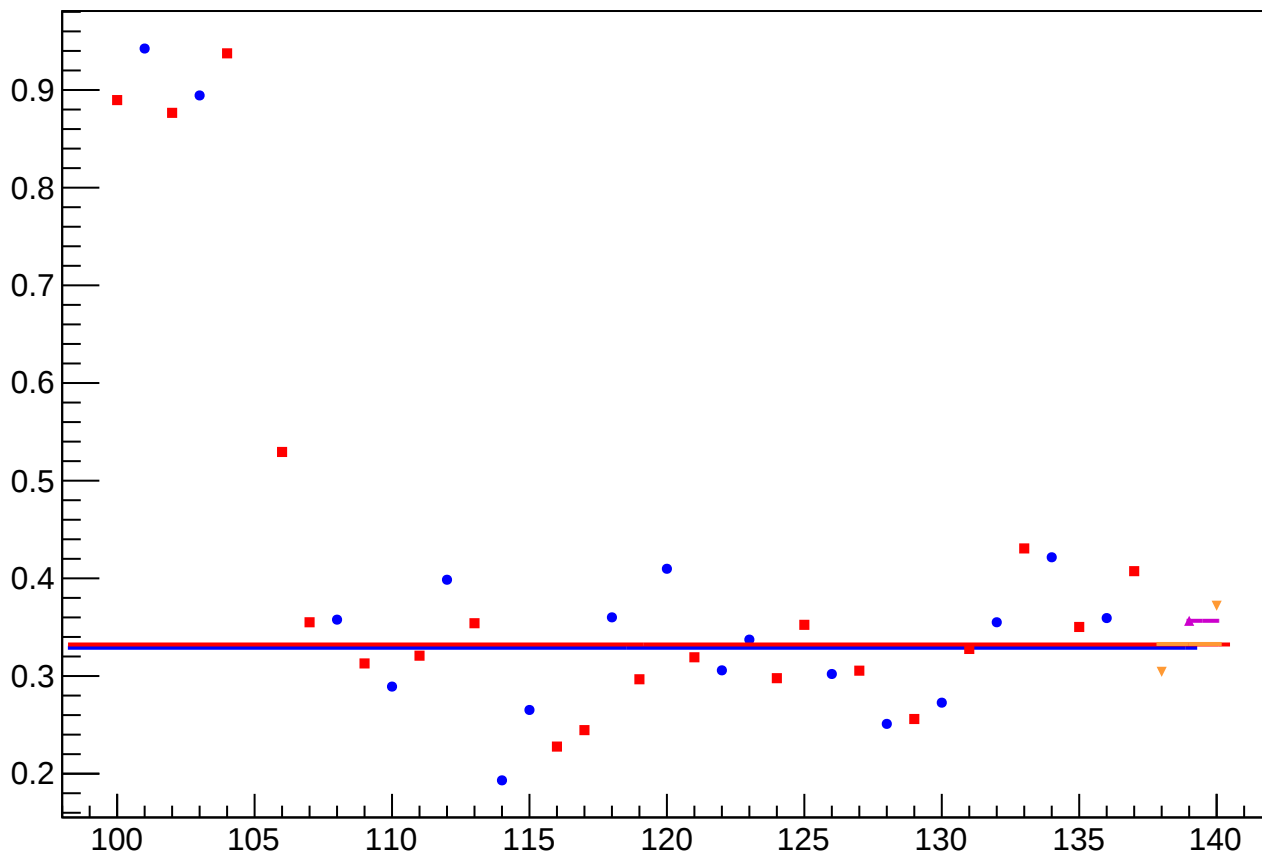
Left In: 149.192 $\pm$ 0.000 χ^2 /NDF:0.0/0

145.137 $\pm$ 0.000 χ^2 /NDF: 3555475282.1/18

145.144 $\pm$ 0.000 χ^2 /NDF: 7745269719.1/1

145.150 $\pm$ 0.000 χ^2 /NDF: 4189789004.0/20

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329 $\pm$ 0.000 χ^2 /NDF: 1276118.3/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 29263.2/1

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1191637.2/19

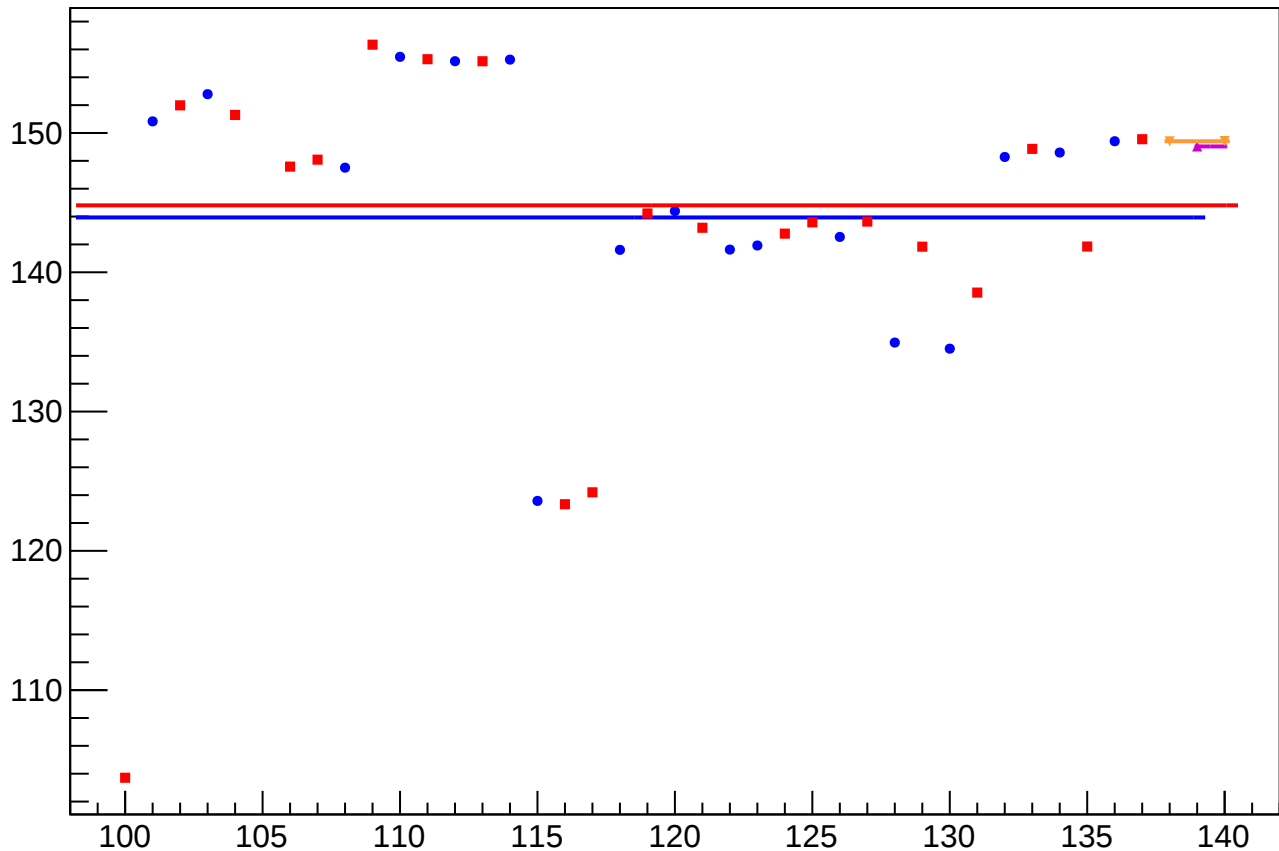
Left In: 0.357 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.330 $\pm$ 0.000 χ^2 /NDF: 1305694.3/18

0.332 $\pm$ 0.000 χ^2 /NDF: 2504143.7/39

0.334 $\pm$ 0.000 χ^2 /NDF: 1197117.5/20

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 149.409 $\pm$ 0.000 χ^2 /NDF:1259.1/1

Right Out: 144.806 $\pm$ 0.000 χ^2 /NDF: 4139087143.3/19

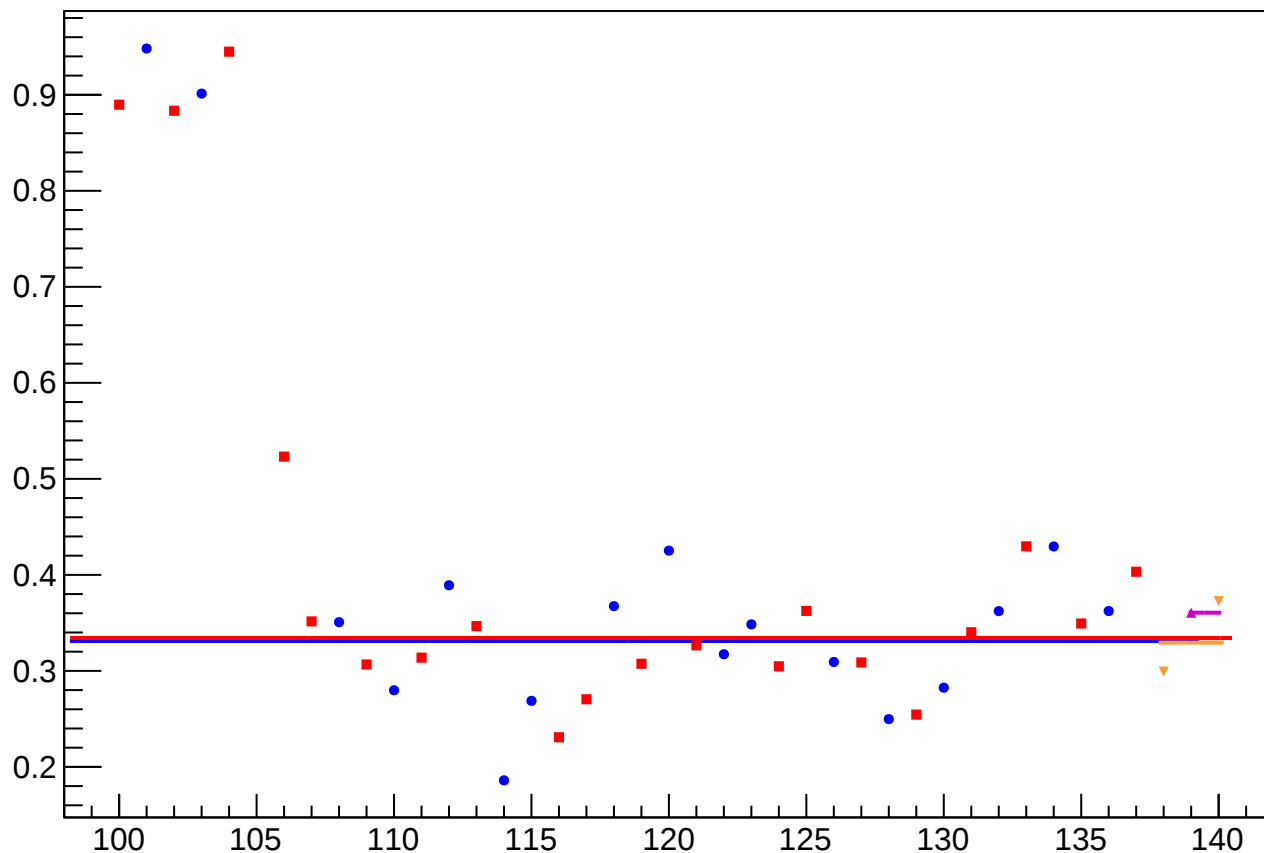
Left In: 149.035 $\pm$ 0.000 χ^2 /NDF:0.0/0

145.074 $\pm$ 0.000 χ^2 /NDF: 3693547911.0/18

145.120 $\pm$ 0.000 χ^2 /NDF: 7913951458.1/1

145.170 $\pm$ 0.000 χ^2 /NDF: 4220127210.0/20

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.329+/-0.000 χ^2/NDF : 34488.4/1

Right Out: 0.334+/-0.000 χ^2/NDF : 1176170.4/19

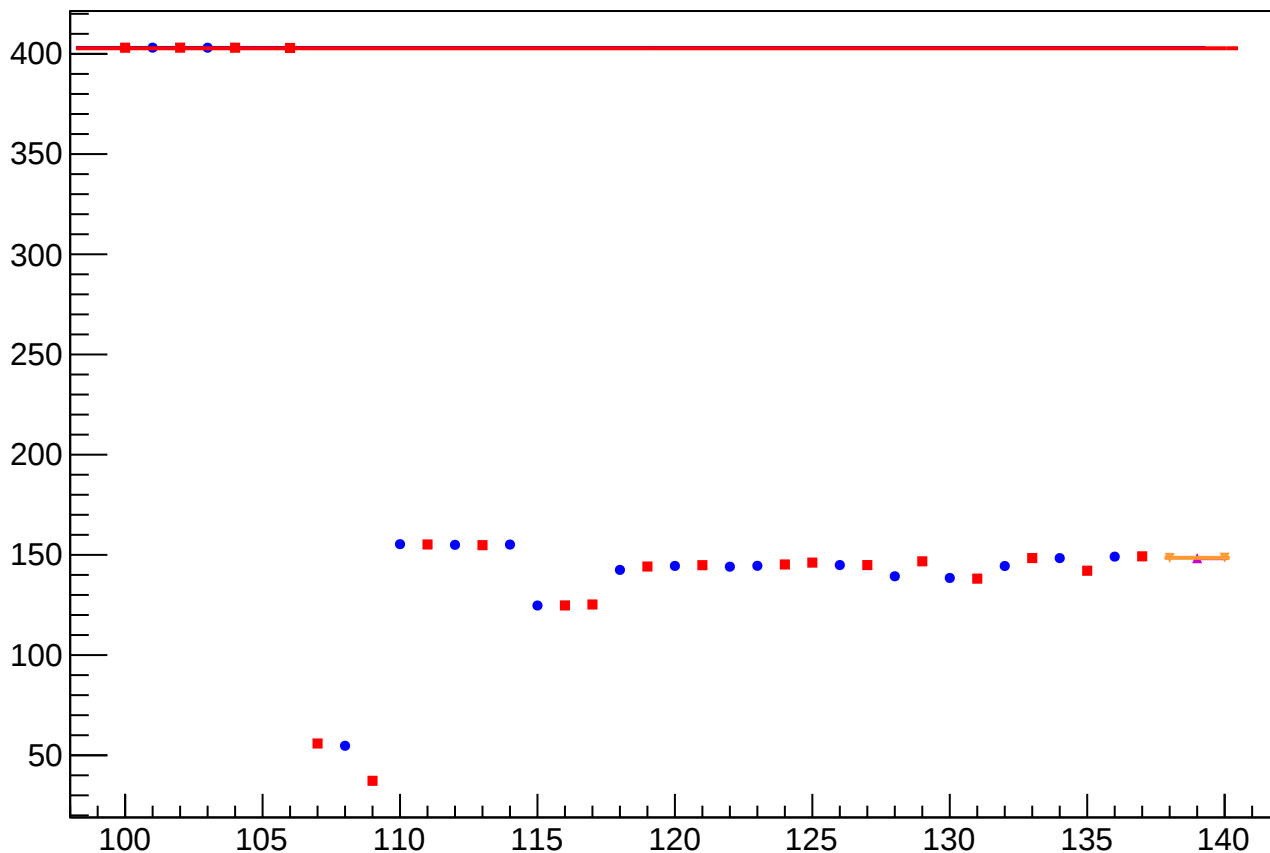
Left In: 0.361+/-0.000 χ^2/NDF : 0.0/0

0.331+/-0.000 χ^2/NDF : 1330299.2/18

0.334+/-0.000 χ^2/NDF : 2514729.8/39

0.337+/-0.000 χ^2/NDF : 1182468.0/20

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 148.528+/-0.001 χ^2/NDF :15023.6/1

Right Out: 402.797+/-0.000 χ^2/NDF : 3122752044607.2/19

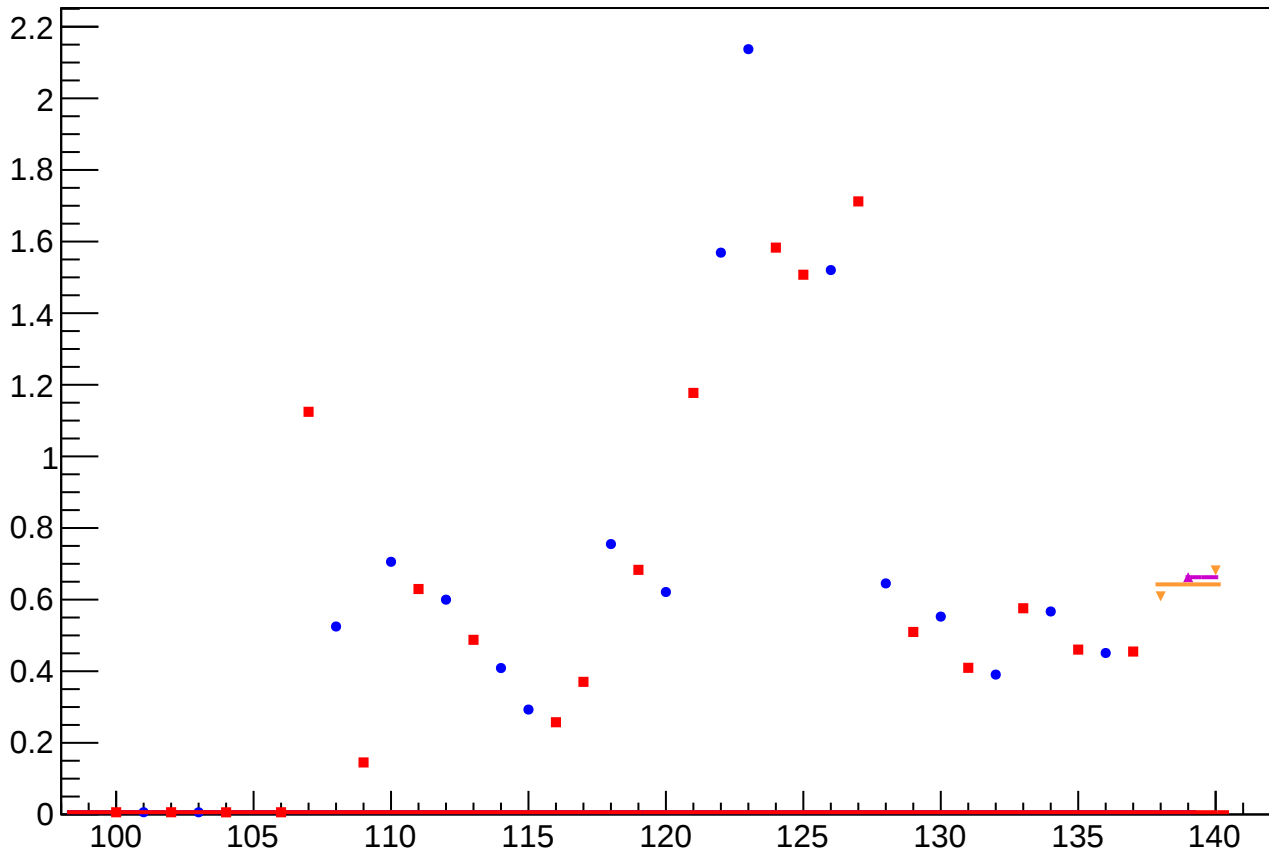
Left In: 148.354+/-0.001 χ^2/NDF :0.0/0

402.932+/-0.000 χ^2/NDF : 1294834799051.3/18

402.855+/-0.000 χ^2/NDF : 450482478384

402.787+/-0.000 χ^2/NDF : 3209640693334.2/20

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.643+/-0.000 χ^2/NDF : 7988.0/1

Right Out: 0.006+/-0.000 χ^2/NDF : 9277290.2/19

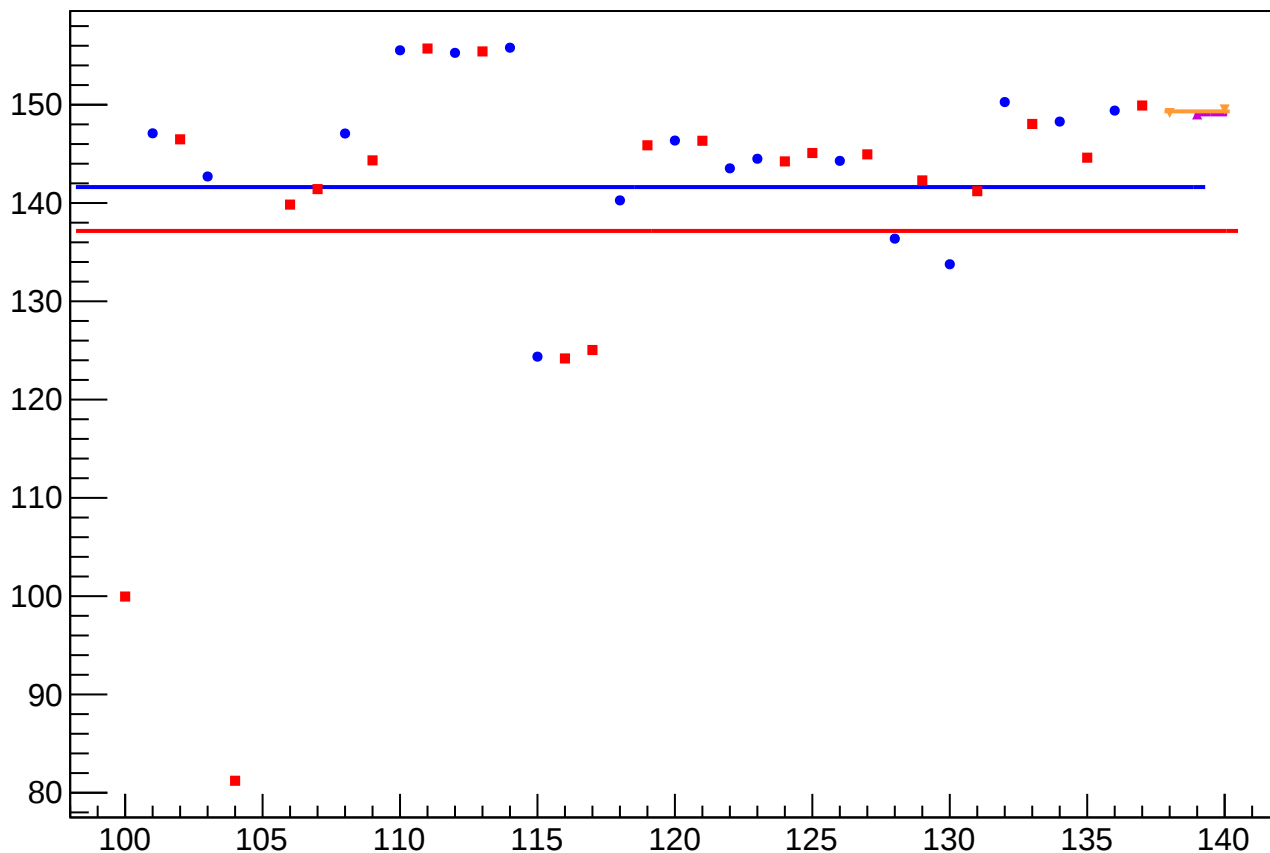
Left In: 0.663+/-0.001 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 11646750.6/18

0.006+/-0.000 χ^2/NDF : 22080107.9/39

0.006+/-0.000 χ^2/NDF : 10433286.3/20

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16

Left Out: 149.323 $\pm$ 0.001 χ^2 /NDF: 86892.9/1

Right Out: 137.160 $\pm$ 0.000 χ^2 /NDF: 1365742338.8/19

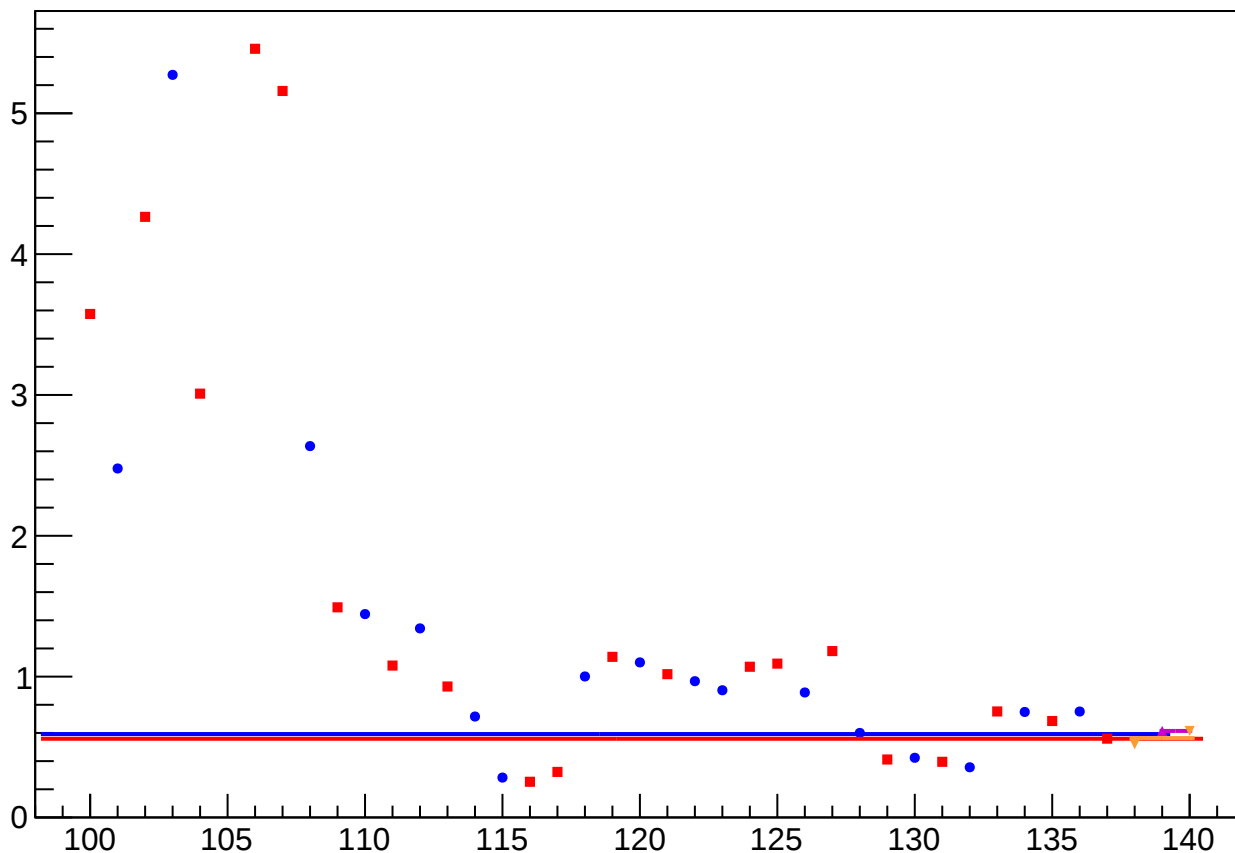
Left In: 149.015 $\pm$ 0.001 χ^2 /NDF: 0.0/0

143.213 $\pm$ 0.000 χ^2 /NDF: 1106121842.1/18

140.784 $\pm$ 0.000 χ^2 /NDF: 2762536490.4/18

138.202 $\pm$ 0.000 χ^2 /NDF: 1501101633.4/20

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.563 $\pm$ 0.000 χ^2 /NDF:11610.1/1

Right Out: 0.559 $\pm$ 0.000 χ^2 /NDF: 4719868.1/19

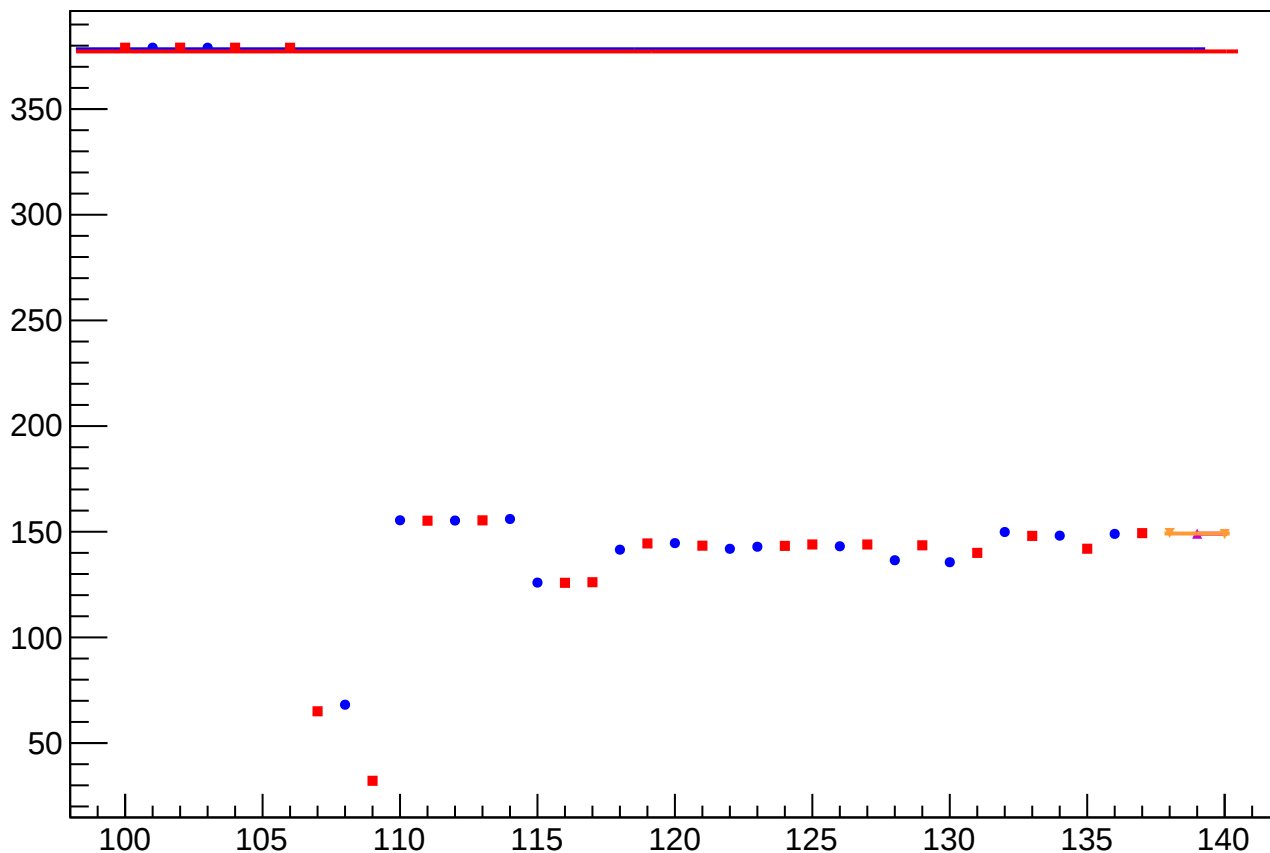
Left In: 0.614 $\pm$ 0.001 χ^2 /NDF:0.0/0

0.586 $\pm$ 0.000 χ^2 /NDF: 3536717.2/18

0.575 $\pm$ 0.000 χ^2 /NDF: 8268800.0/39

0.564 $\pm$ 0.000 χ^2 /NDF: 4725809.8/20

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 149.163+/-0.000 χ^2/NDF : 726396.0/1

Right Out: 377.282+/-0.000 χ^2/NDF : 8306405788315.4/19

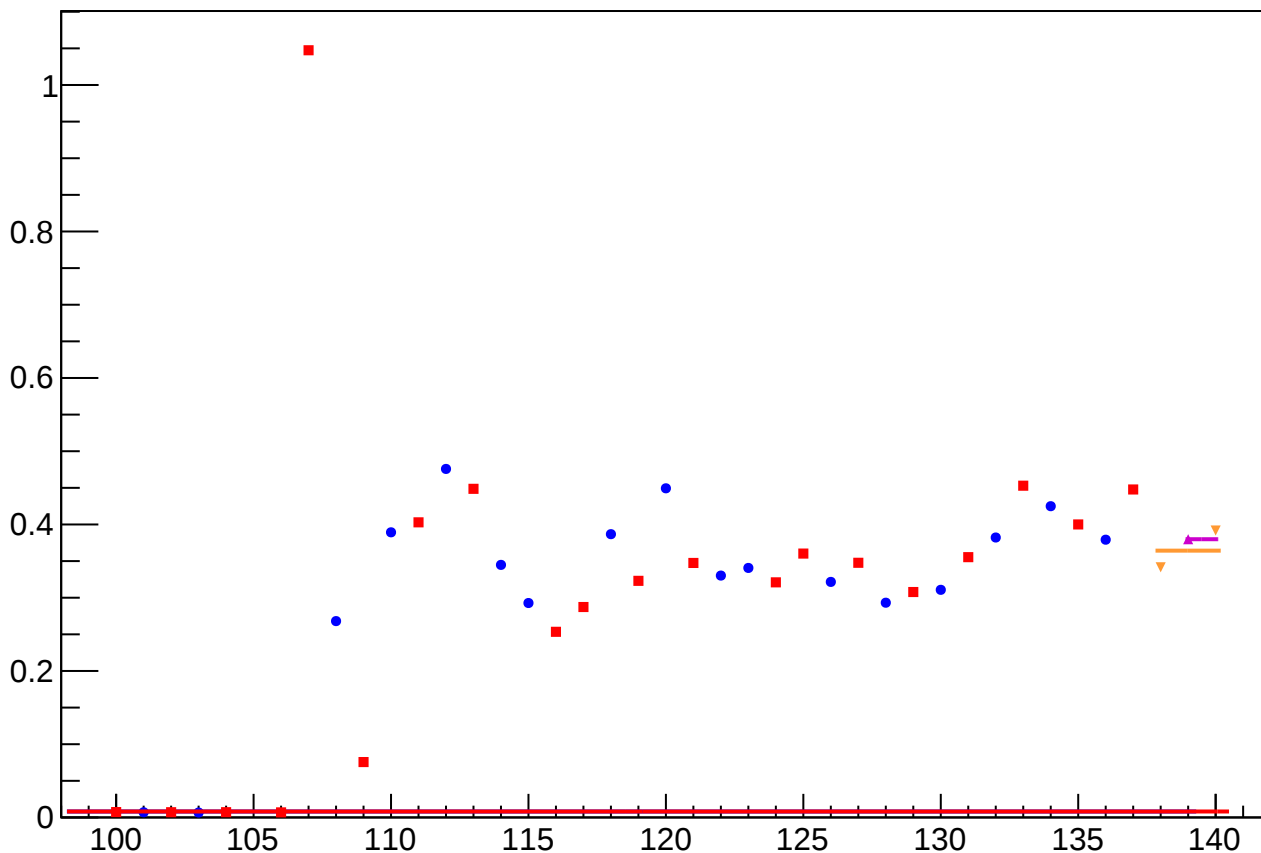
Left In: 149.076+/-0.000 χ^2/NDF : 0.0/0

378.087+/-0.000 χ^2/NDF : 3104121920585.1/18

377.622+/-0.000 χ^2/NDF : 116527098926

377.214+/-0.000 χ^2/NDF : 8543169526570.7/20

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.364+/-0.000 χ^2/NDF : 14100.8/1

Right Out: 0.008+/-0.000 χ^2/NDF : 9601959.4/19

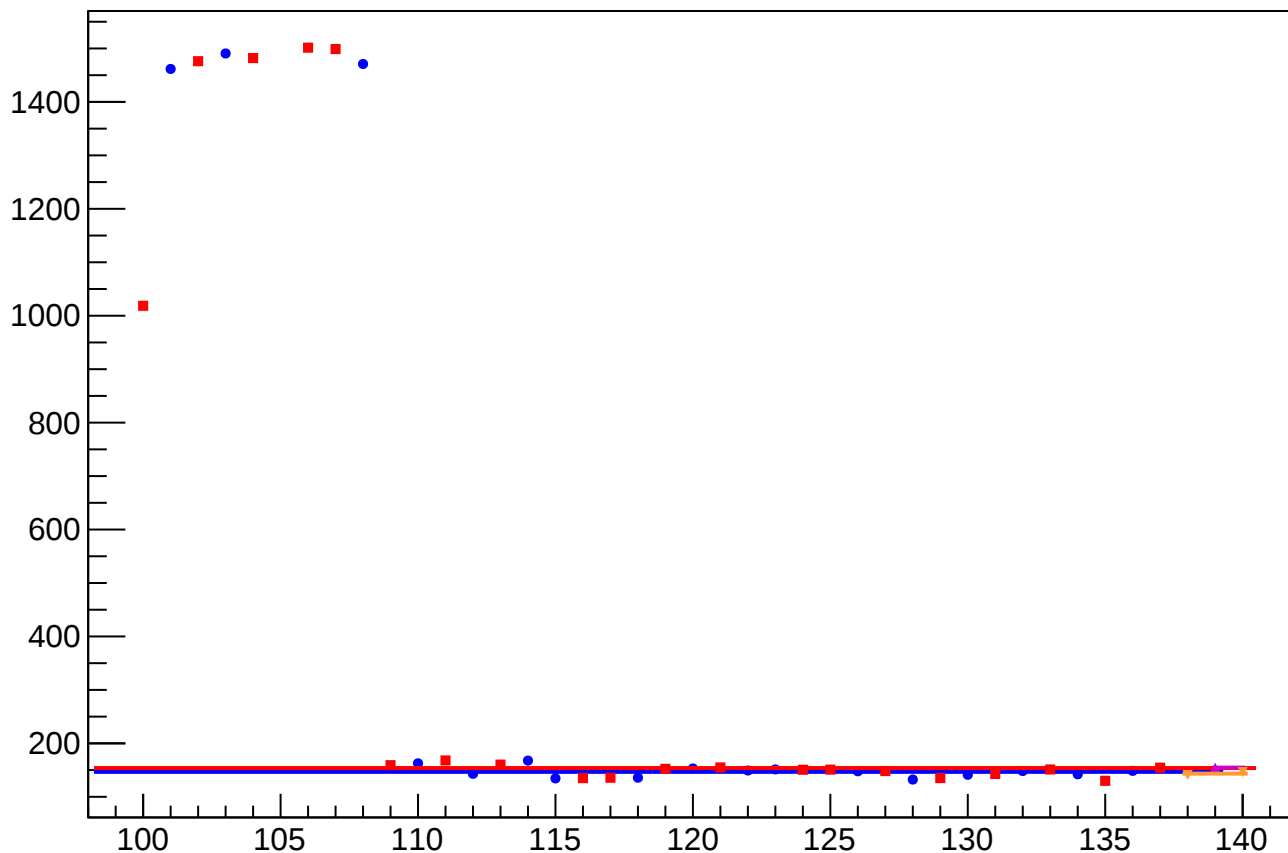
Left In: 0.380+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 12760043.4/18

0.008+/-0.000 χ^2/NDF : 23618719.1/39

0.008+/-0.000 χ^2/NDF : 10858299.6/20

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 143.361+/-0.001 χ^2/NDF :10654483.2/1

Right Out: 153.818+/-0.000 χ^2/NDF : 33744777744.4/19

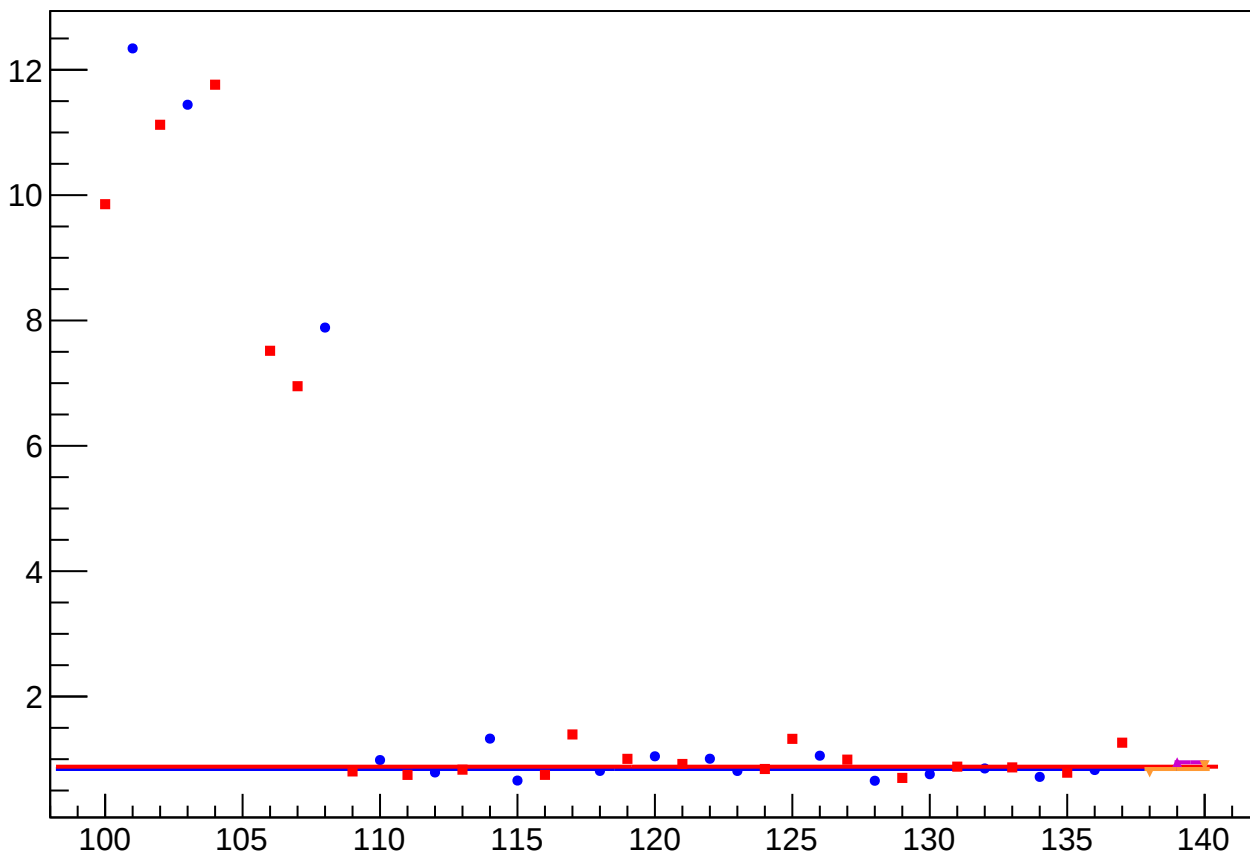
Left In: 154.591+/-0.001 χ^2/NDF :0.0/0

146.010+/-0.000 χ^2/NDF : 24374359116.7/18

149.648+/-0.000 χ^2/NDF : 58314162382.3

153.887+/-0.000 χ^2/NDF : 33745061598.8/20

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.843+/-0.001 χ^2/NDF : 9345.5/1

Right Out: 0.880+/-0.000 χ^2/NDF : 2823230.1/19

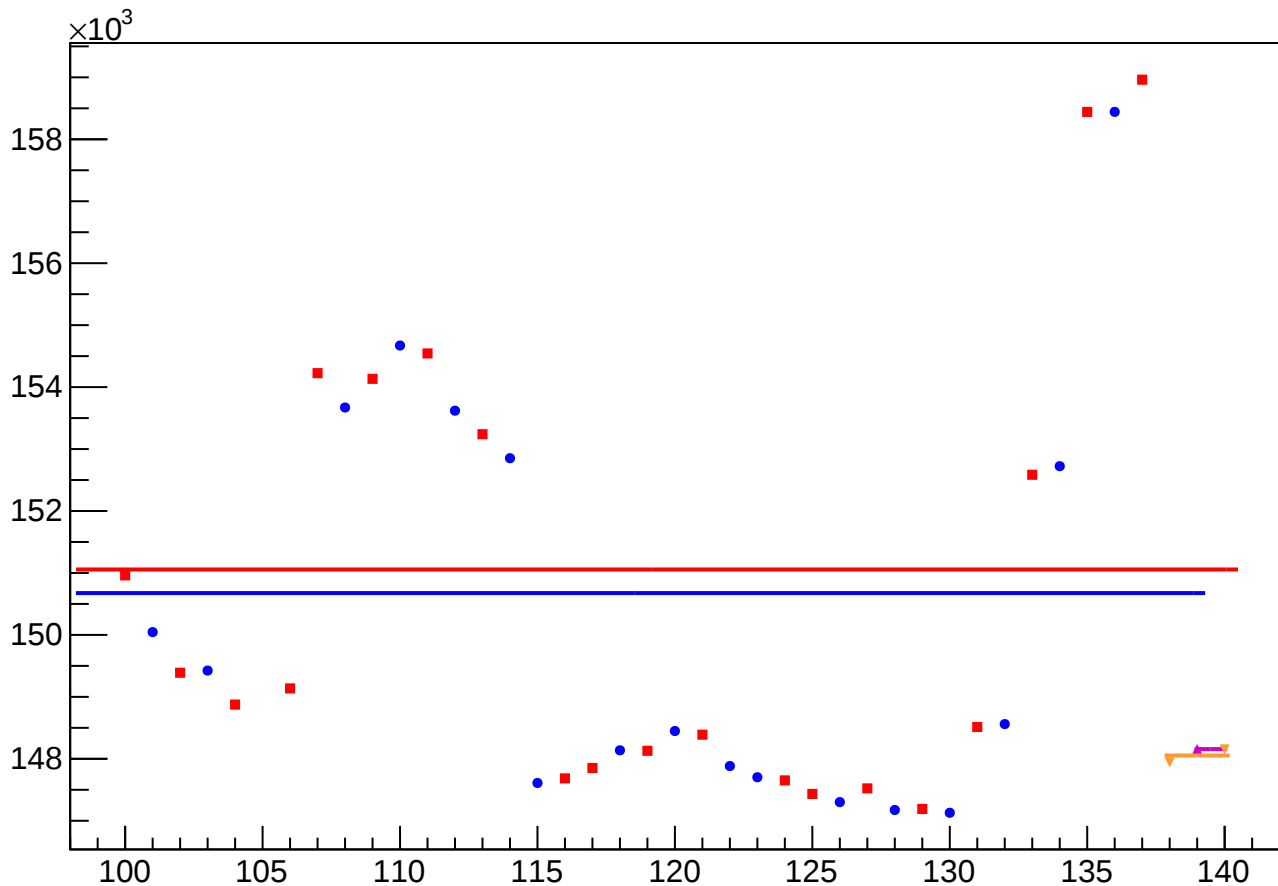
Left In: 0.950+/-0.001 χ^2/NDF : 0.0/0

0.843+/-0.000 χ^2/NDF : 2679817.1/18

0.863+/-0.000 χ^2/NDF : 5519361.0/39

0.887+/-0.000 χ^2/NDF : 2827904.3/20

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16

Left Out: 148053.999 $\pm$ 0.144 χ^2 /NDF: 529624.5/1

Right Out: 151056.044 $\pm$ 0.059 χ^2 /NDF: 3325519080.9/19

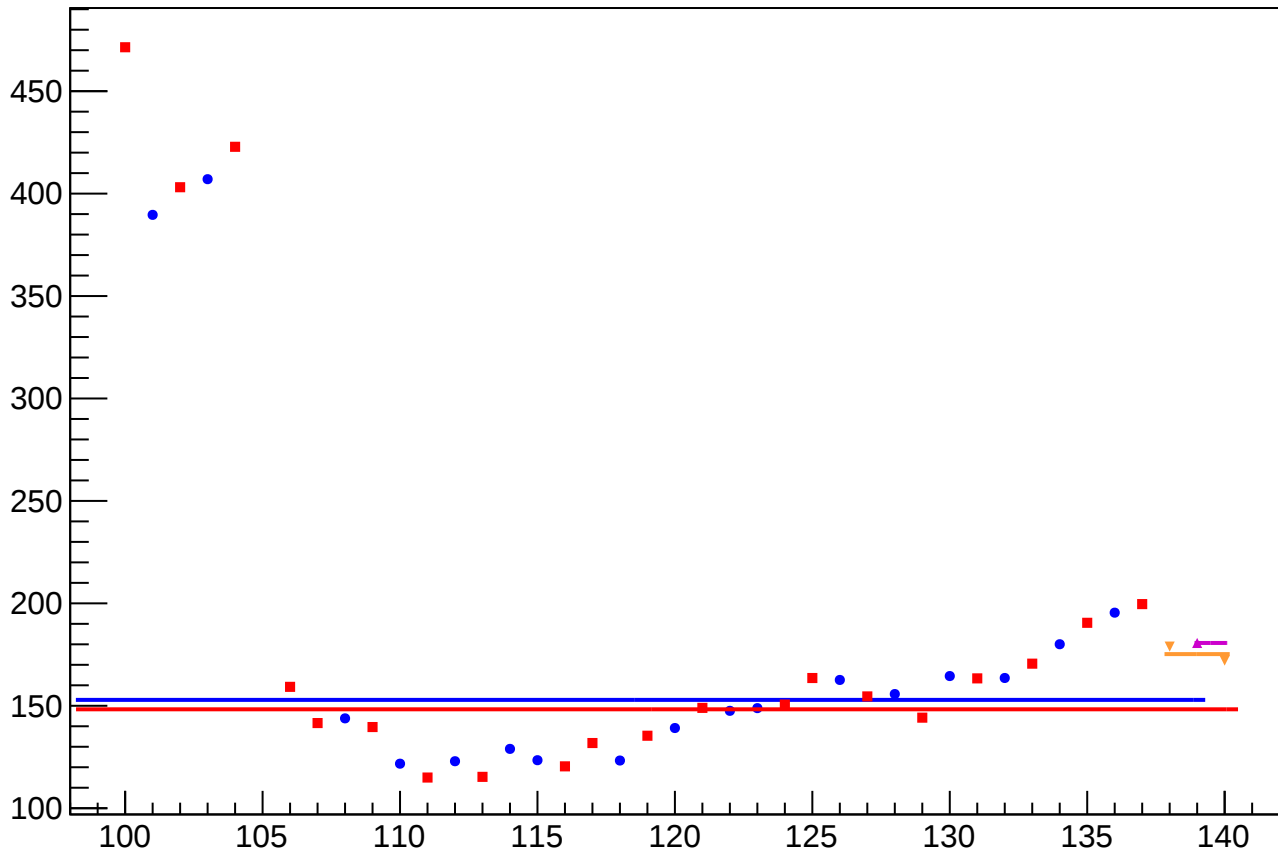
Left In: 148157.190 $\pm$ 0.220 χ^2 /NDF: 0.0/0

150254.006 $\pm$ 0.058 χ^2 /NDF: 3588874898.2/18

150557.799 $\pm$ 0.041 χ^2 /NDF: 713175698

150858.376 $\pm$ 0.057 χ^2 /NDF: 3487702687.2/20

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 175.228 $\pm$ 0.102 χ^2 /NDF: 1120.2/1

Right Out: 148.278 $\pm$ 0.042 χ^2 /NDF: 1192879.8/19

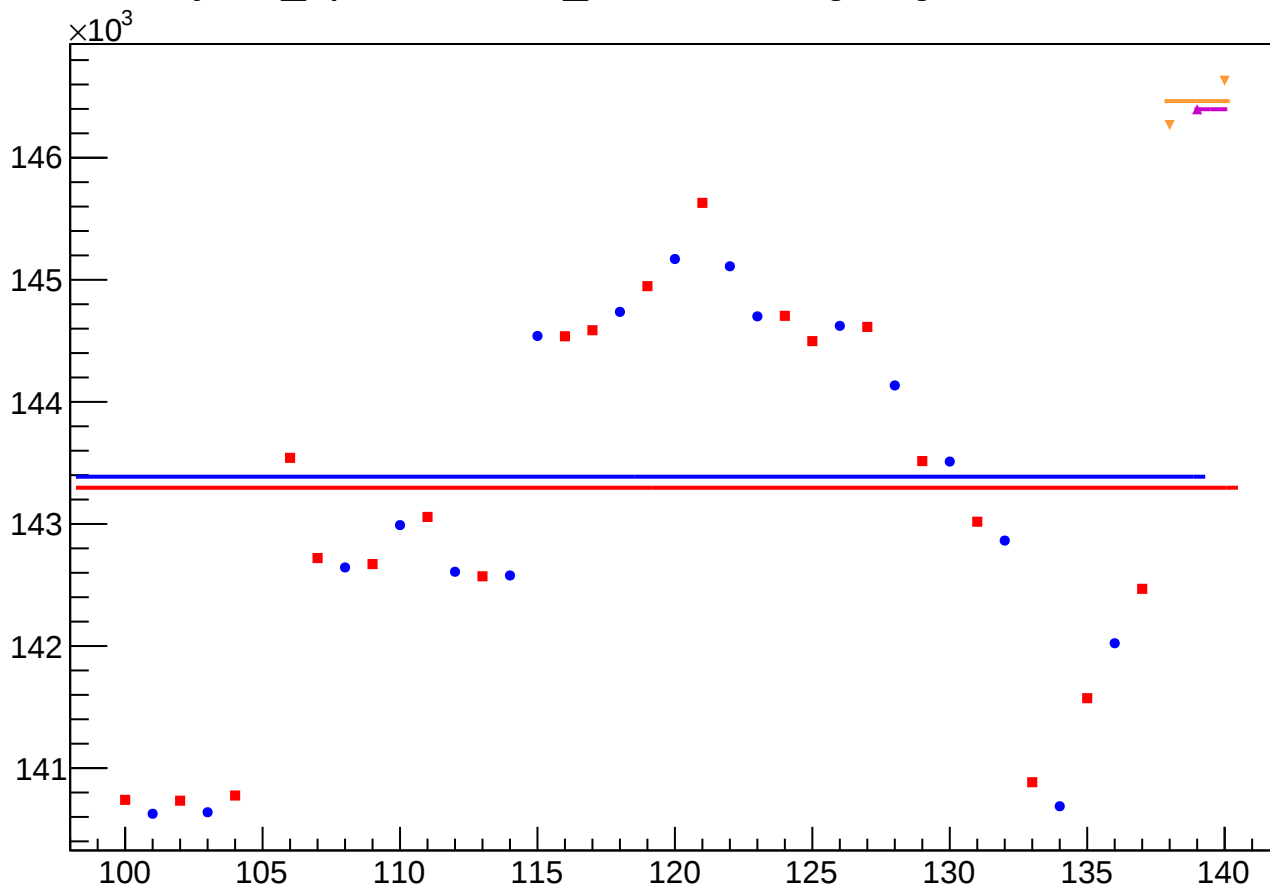
Left In: 180.667 $\pm$ 0.155 χ^2 /NDF: 0.0/0

156.472 $\pm$ 0.041 χ^2 /NDF: 1195674.1/18

153.464 $\pm$ 0.029 χ^2 /NDF: 2439870.9/39

150.487 $\pm$ 0.041 χ^2 /NDF: 1233371.8/20

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16

Left Out: 146464.245 $\pm$ 0.143 χ^2 /NDF: 1602678.7/1

Right Out: 143296.790 $\pm$ 0.049 χ^2 /NDF: 615134284.0/19

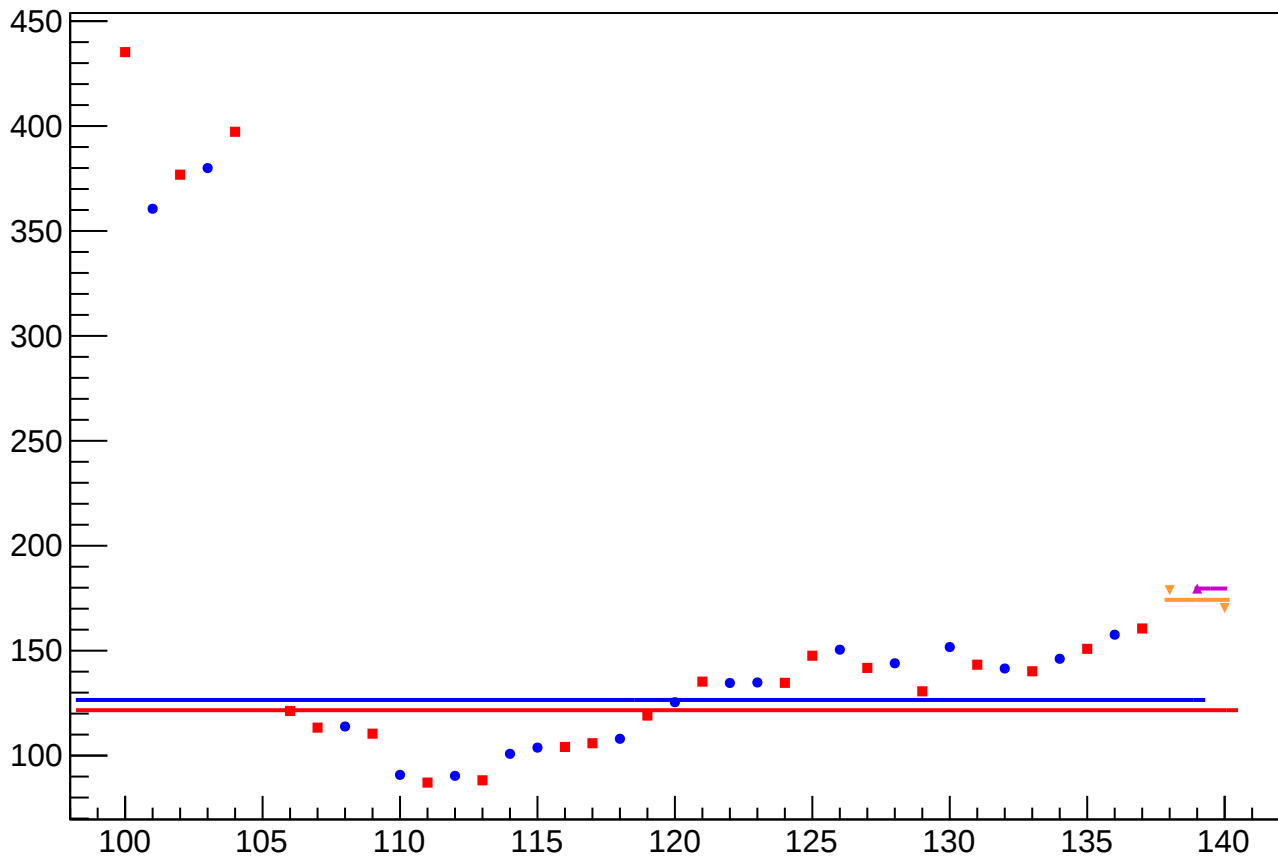
Left In: 146397.360 $\pm$ 0.218 χ^2 /NDF: 0.0/0

143755.085 $\pm$ 0.049 χ^2 /NDF: 930248839.5/18

143594.213 $\pm$ 0.034 χ^2 /NDF: 175777743

143444.695 $\pm$ 0.048 χ^2 /NDF: 807126086.9/20

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 174.226 $\pm$ 0.101 χ^2 /NDF: 1749.6/1

Right Out: 121.625 $\pm$ 0.035 χ^2 /NDF: 1465763.8/19

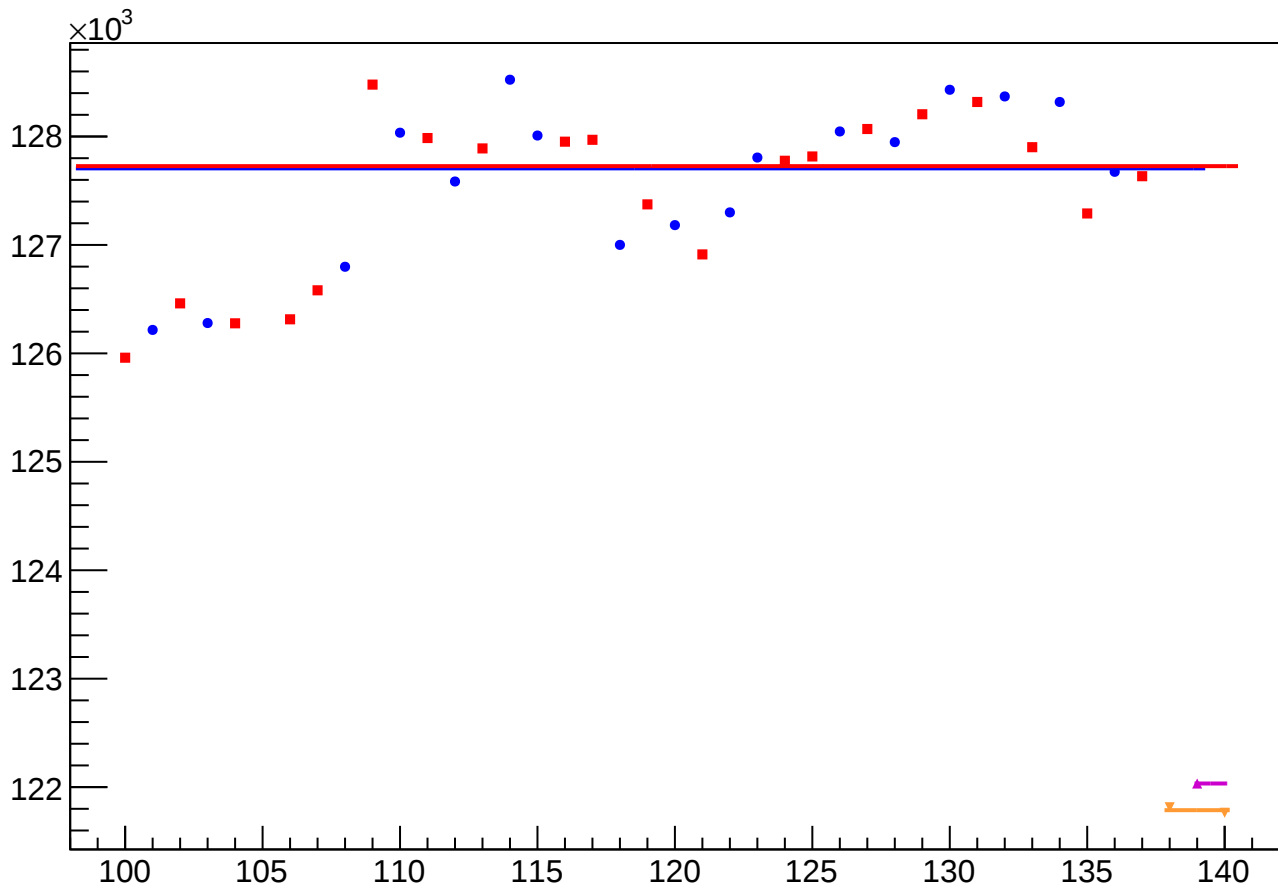
Left In: 179.612 $\pm$ 0.154 χ^2 /NDF: 0.0/0

132.220 $\pm$ 0.035 χ^2 /NDF: 1639295.4/18

128.162 $\pm$ 0.024 χ^2 /NDF: 3265316.5/39

124.391 $\pm$ 0.034 χ^2 /NDF: 1600065.9/20

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16

Left Out: 121787.403 $\pm$ 0.124 χ^2 /NDF: 41895.0/1

126637.842 $\pm$ 0.053 χ^2 /NDF: 1973778692.0/18

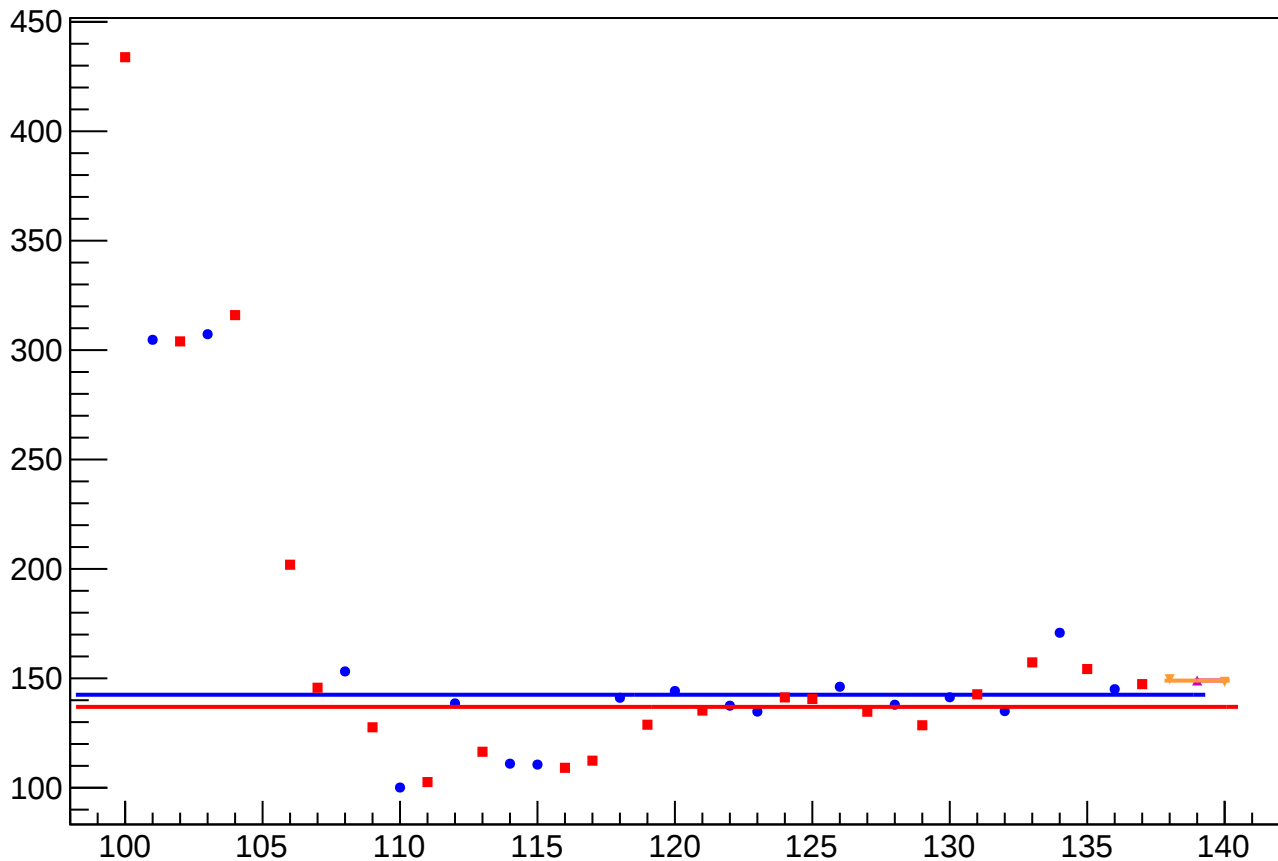
Right Out: 127726.708 $\pm$ 0.054 χ^2 /NDF: 112816704.3/19

126953.170 $\pm$ 0.037 χ^2 /NDF: 305720917

Left In: 122033.336 $\pm$ 0.182 χ^2 /NDF: 0.0/0

127261.722 $\pm$ 0.052 χ^2 /NDF: 1012215343.9/20

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 148.978 $\pm$ 0.087 χ^2 /NDF: 46.1/1

Right Out: 136.963 $\pm$ 0.038 χ^2 /NDF: 961465.0/19

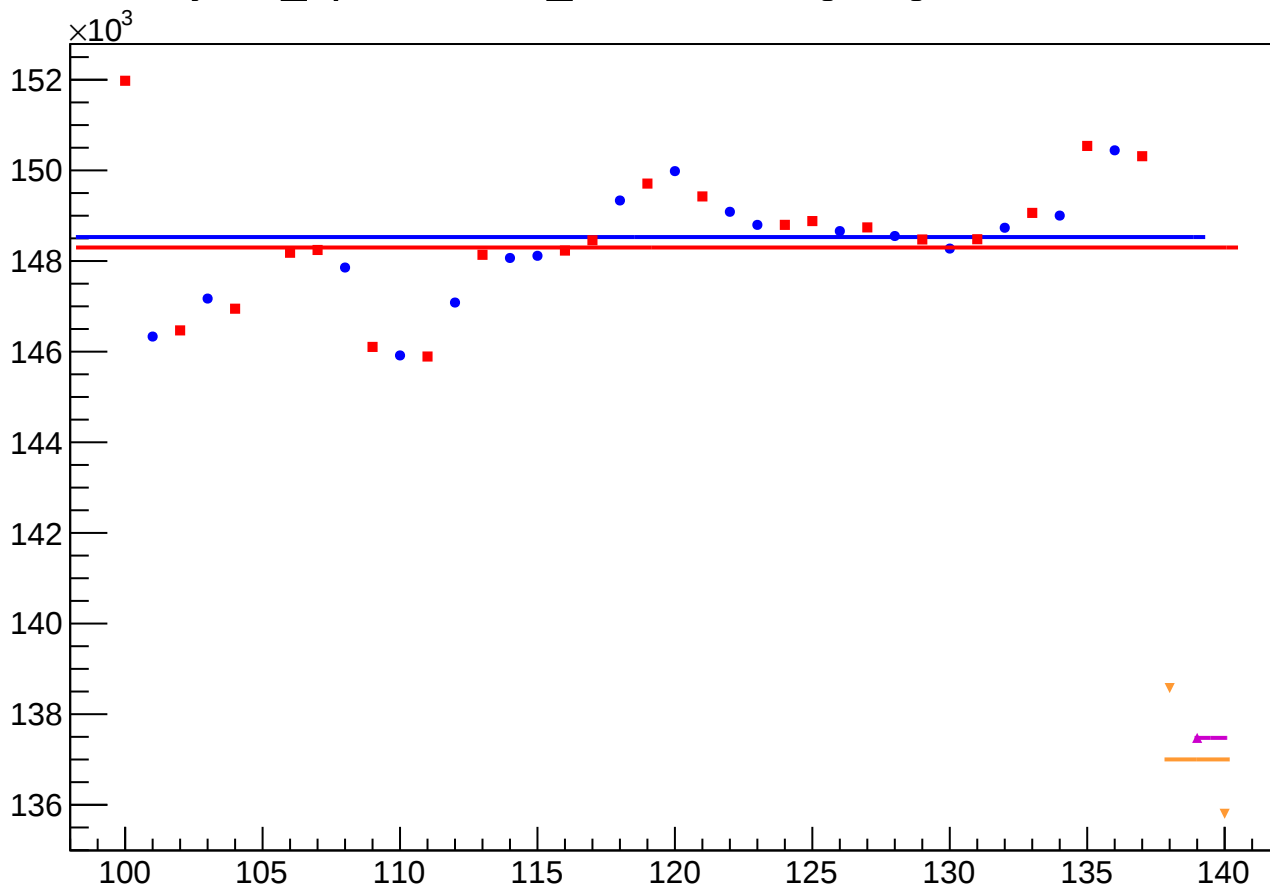
Left In: 149.022 $\pm$ 0.129 χ^2 /NDF: 0.0/0

143.671 $\pm$ 0.037 χ^2 /NDF: 840801.7/18

140.778 $\pm$ 0.026 χ^2 /NDF: 1822320.0/39

137.948 $\pm$ 0.037 χ^2 /NDF: 969535.1/20

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 137001.801 $\pm$ 0.182 χ^2 /NDF: 57020542.6/1

Right Out: 148298.586 $\pm$ 0.076 χ^2 /NDF: 293284830.9/19

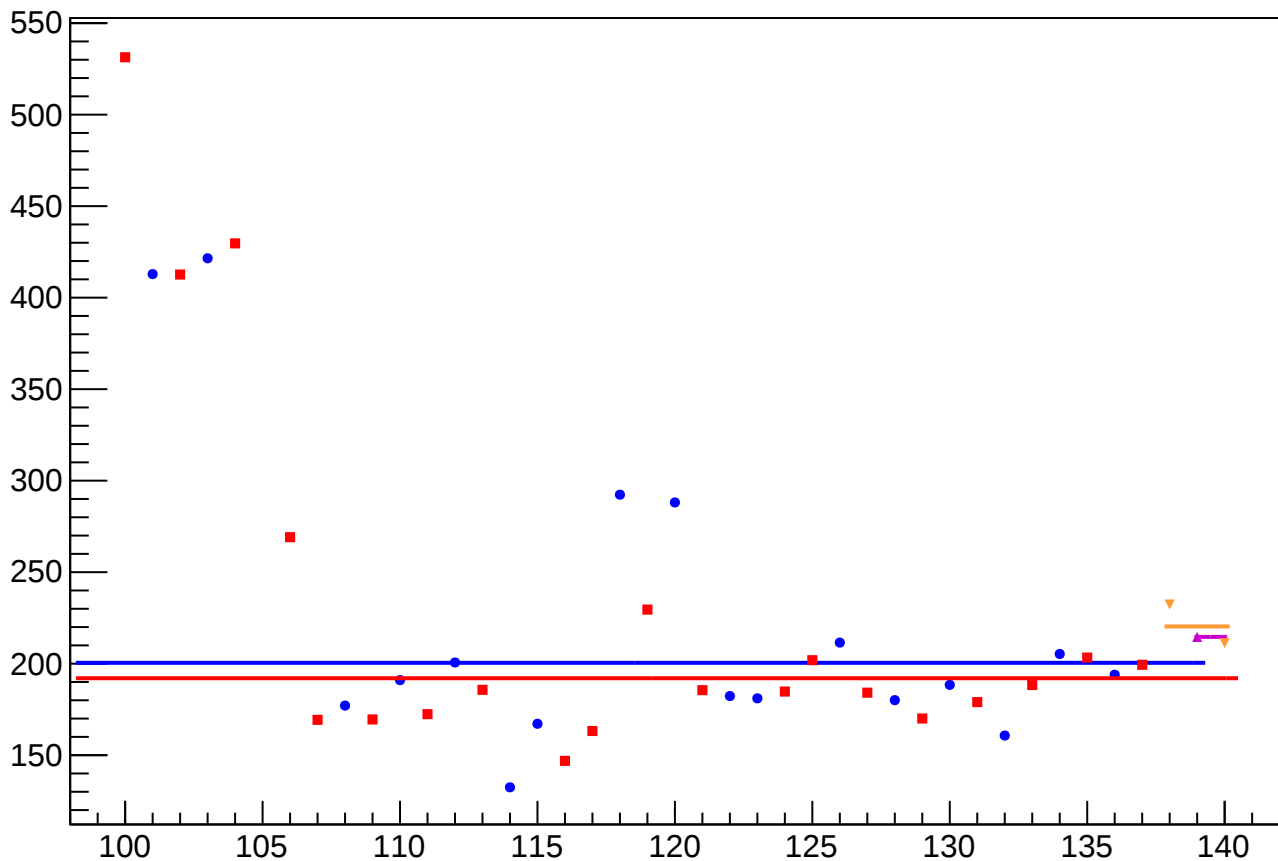
Left In: 137477.302 $\pm$ 0.261 χ^2 /NDF: 0.0/0

146581.217 $\pm$ 0.075 χ^2 /NDF: 3600111167.0/18

147028.302 $\pm$ 0.052 χ^2 /NDF: 554213774

147454.362 $\pm$ 0.073 χ^2 /NDF: 1872286989.4/20

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 220.338 $\pm$ 0.129 χ^2 /NDF: 6598.4/1

Right Out: 192.040 $\pm$ 0.054 χ^2 /NDF: 847133.0/19

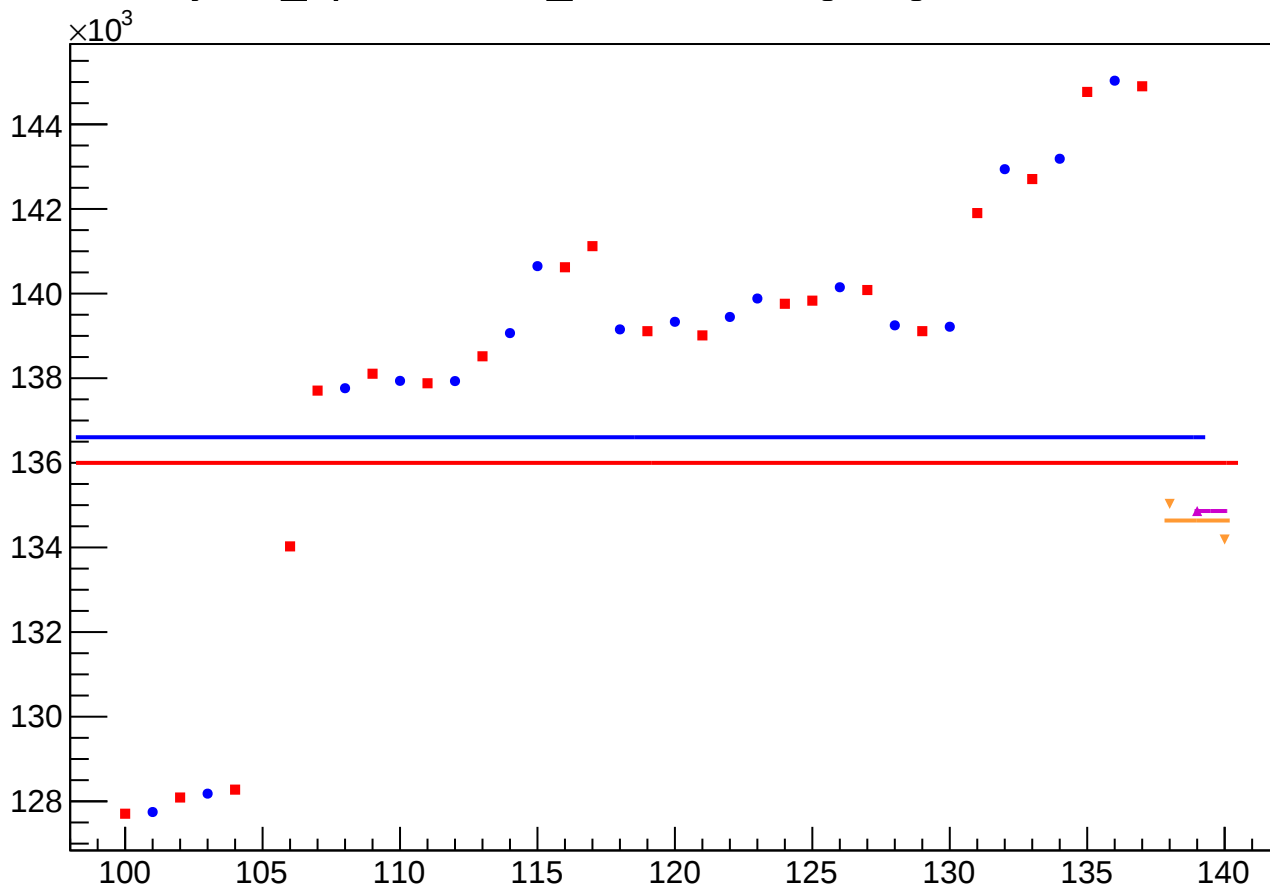
Left In: 214.631 $\pm$ 0.185 χ^2 /NDF: 0.0/0

203.829 $\pm$ 0.053 χ^2 /NDF: 962945.4/18

198.695 $\pm$ 0.037 χ^2 /NDF: 1842231.9/39

193.803 $\pm$ 0.052 χ^2 /NDF: 860896.0/20

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16

Left Out: 134636.468 $\pm$ 0.429 χ^2 /NDF: 960380.2/1

Right Out: 135998.851 $\pm$ 0.182 χ^2 /NDF: 1084895879.4/19

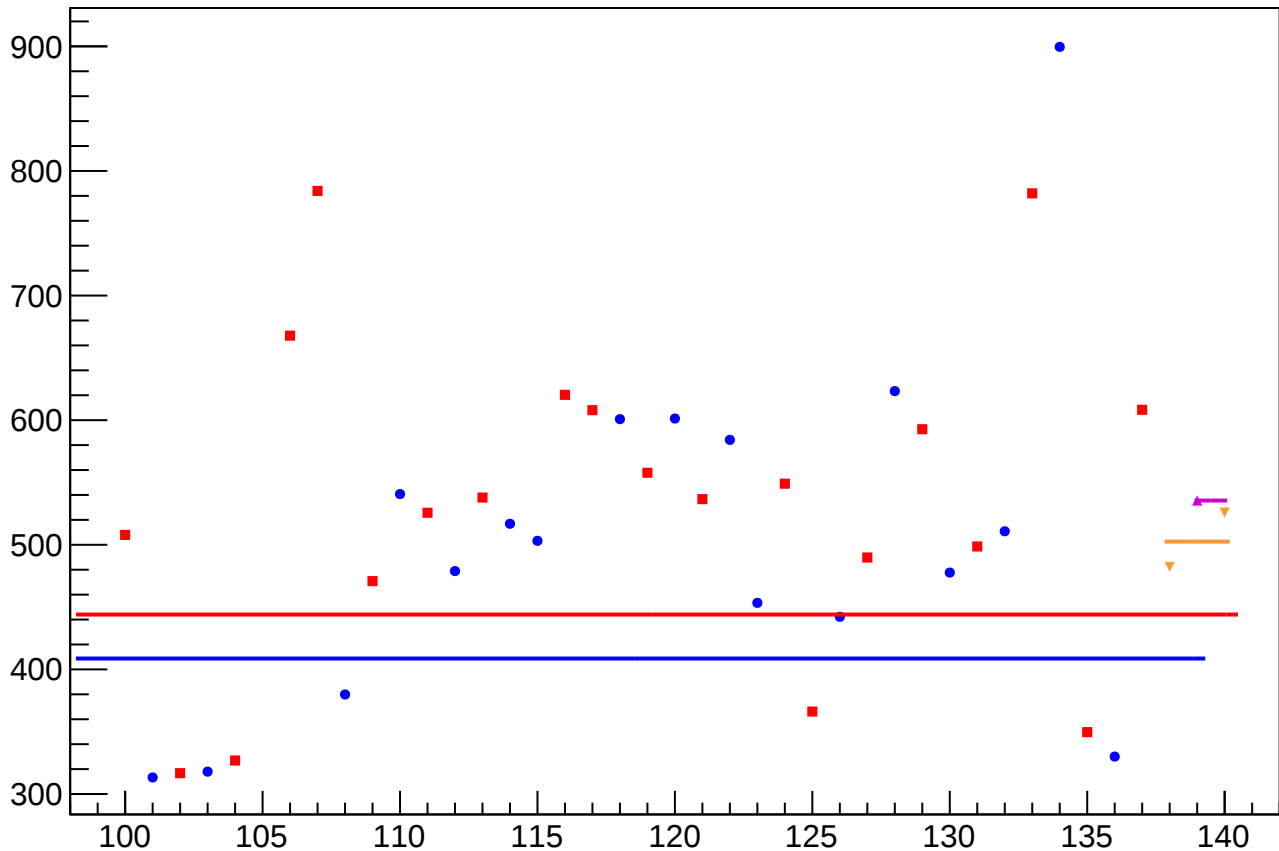
Left In: 134860.963 $\pm$ 0.744 χ^2 /NDF: 0.0/0

136333.335 $\pm$ 0.159 χ^2 /NDF: 1513482146.9/18

136155.064 $\pm$ 0.118 χ^2 /NDF: 260339363

135934.288 $\pm$ 0.177 χ^2 /NDF: 1087104106.8/20

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 502.570+/-0.303 χ^2/NDF : 5143.1/1

Right Out: 444.034+/-0.129 χ^2/NDF : 922545.8/19

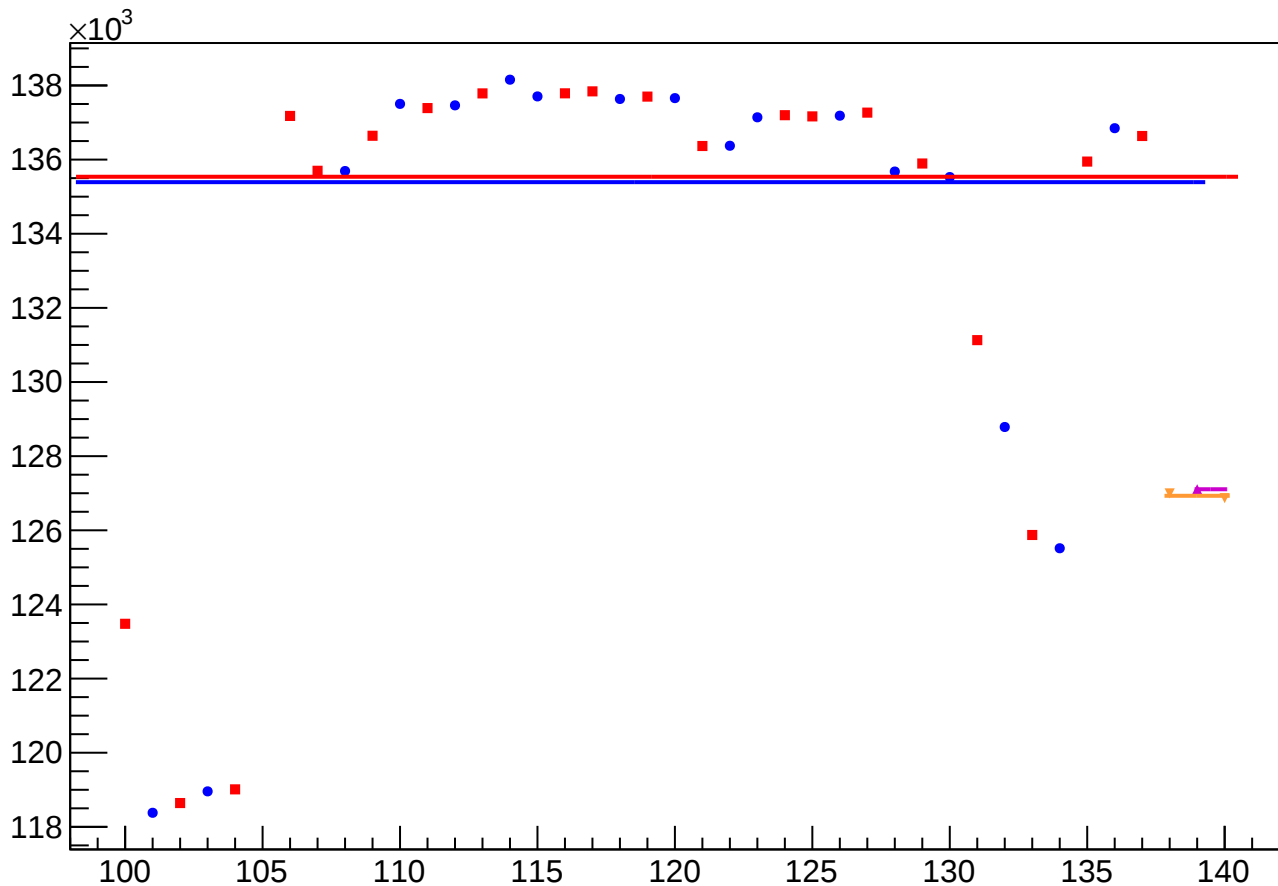
Left In: 535.520+/-0.526 χ^2/NDF : 0.0/0

421.665+/-0.113 χ^2/NDF : 911005.5/18

433.977+/-0.084 χ^2/NDF : 1888881.6/39

449.225+/-0.125 χ^2/NDF : 951094.2/20

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16

Left Out: 126931.058 $\pm$ 0.135 χ^2 /NDF: 225194.1/1

Right Out: 135537.290 $\pm$ 0.064 χ^2 /NDF: 4748951957.4/19

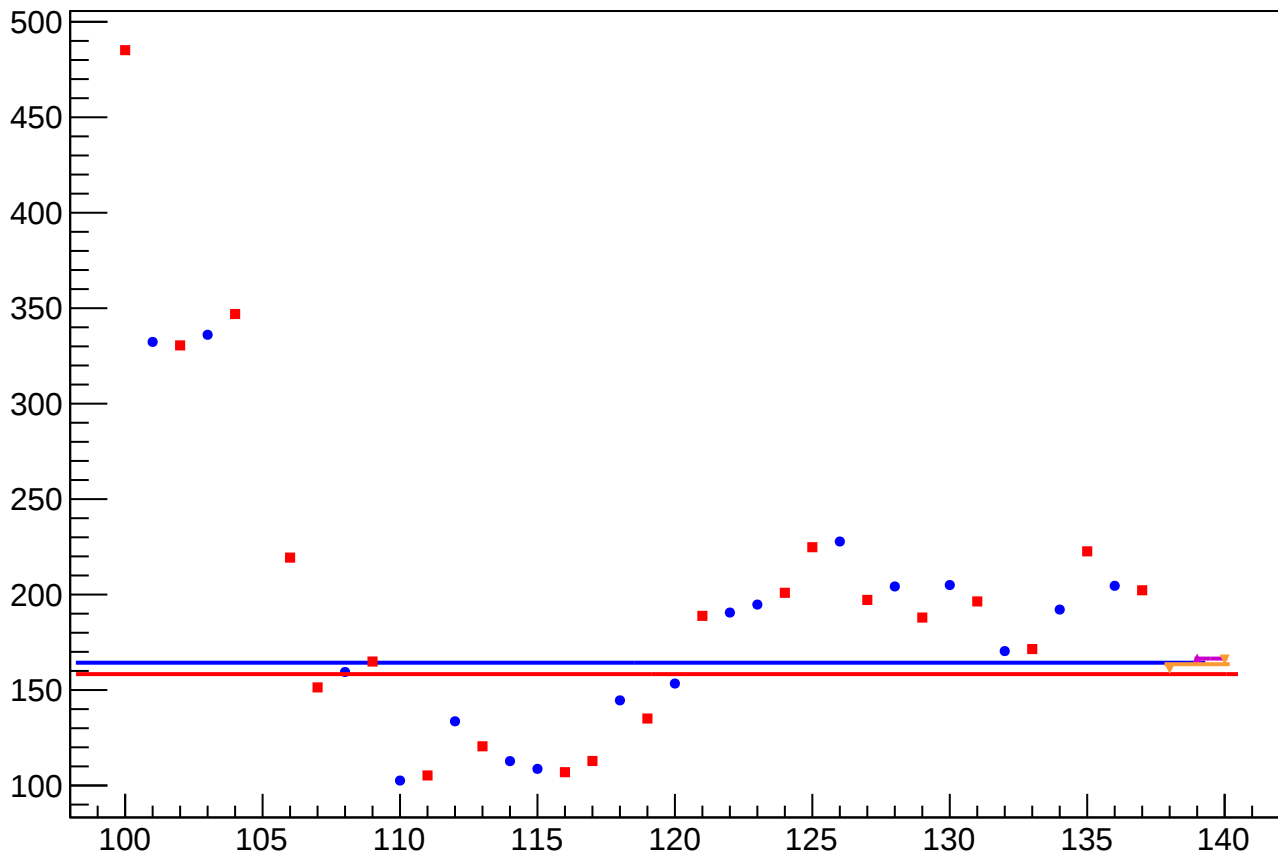
Left In: 127107.521 $\pm$ 0.203 χ^2 /NDF: 0.0/0

133668.530 $\pm$ 0.061 χ^2 /NDF: 7708323642.5/18

134221.126 $\pm$ 0.043 χ^2 /NDF: 141939102

134774.893 $\pm$ 0.061 χ^2 /NDF: 6320839334.5/20

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 163.530+/-0.095 χ^2/NDF : 648.7/1

Right Out: 158.336+/-0.045 χ^2/NDF : 1398323.7/19

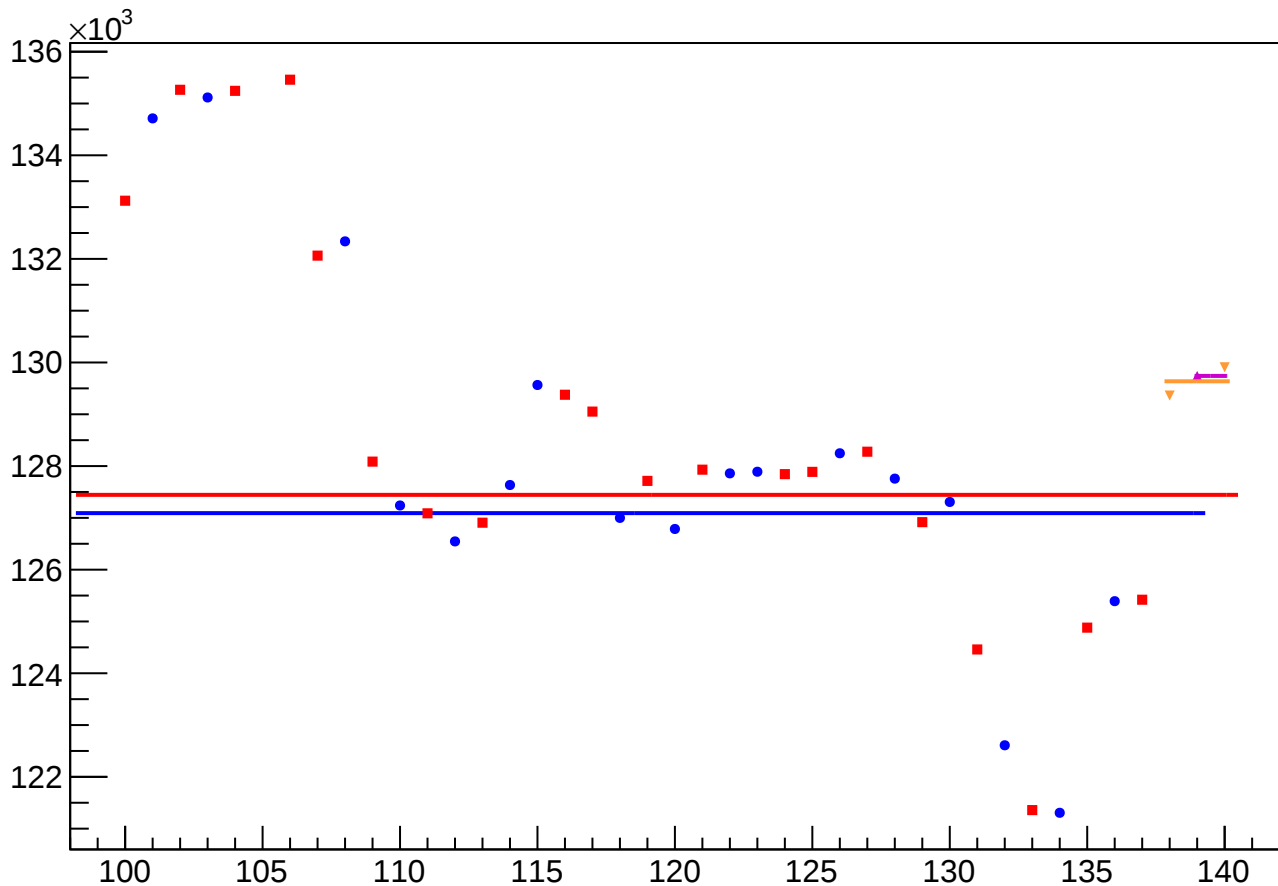
Left In: 166.474+/-0.143 χ^2/NDF : 0.0/0

164.152+/-0.043 χ^2/NDF : 1231189.8/18

161.615+/-0.030 χ^2/NDF : 2639388.9/39

159.072+/-0.043 χ^2/NDF : 1401253.1/20

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$

Left Out: 129636.729 ± 0.133 $\chi^2/\text{NDF}: 4208150.6/1$

Right Out: 127444.472 ± 0.061 $\chi^2/\text{NDF}: 2082646787.7/19$

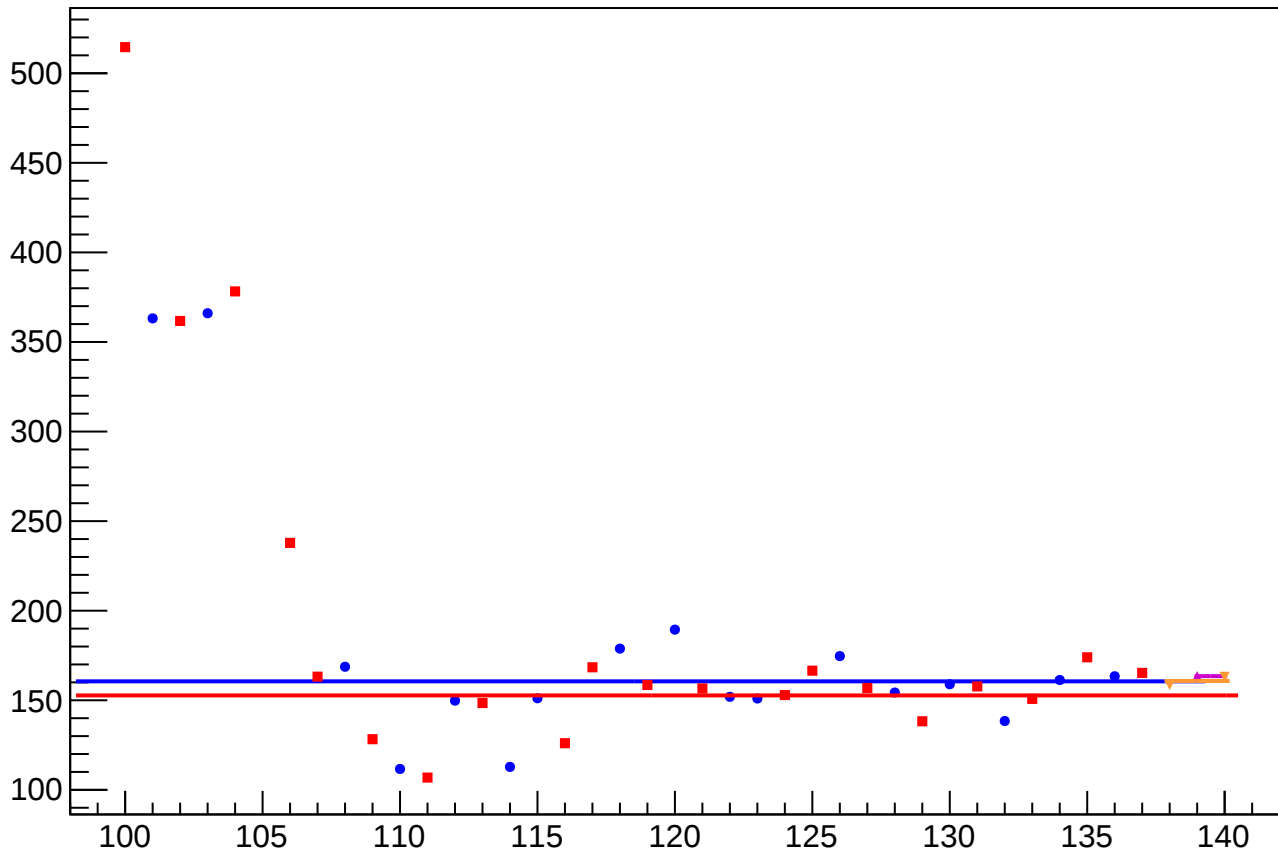
Left In: 129740.614 ± 0.199 $\chi^2/\text{NDF}: 0.0/0$

127598.490 ± 0.059 $\chi^2/\text{NDF}: 2014947493.4/18$

127621.297 ± 0.042 $\chi^2/\text{NDF}: 421922125$

127643.591 ± 0.059 $\chi^2/\text{NDF}: 2203981584.6/20$

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 160.789+/-0.094 χ^2/NDF : 611.2/1

Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

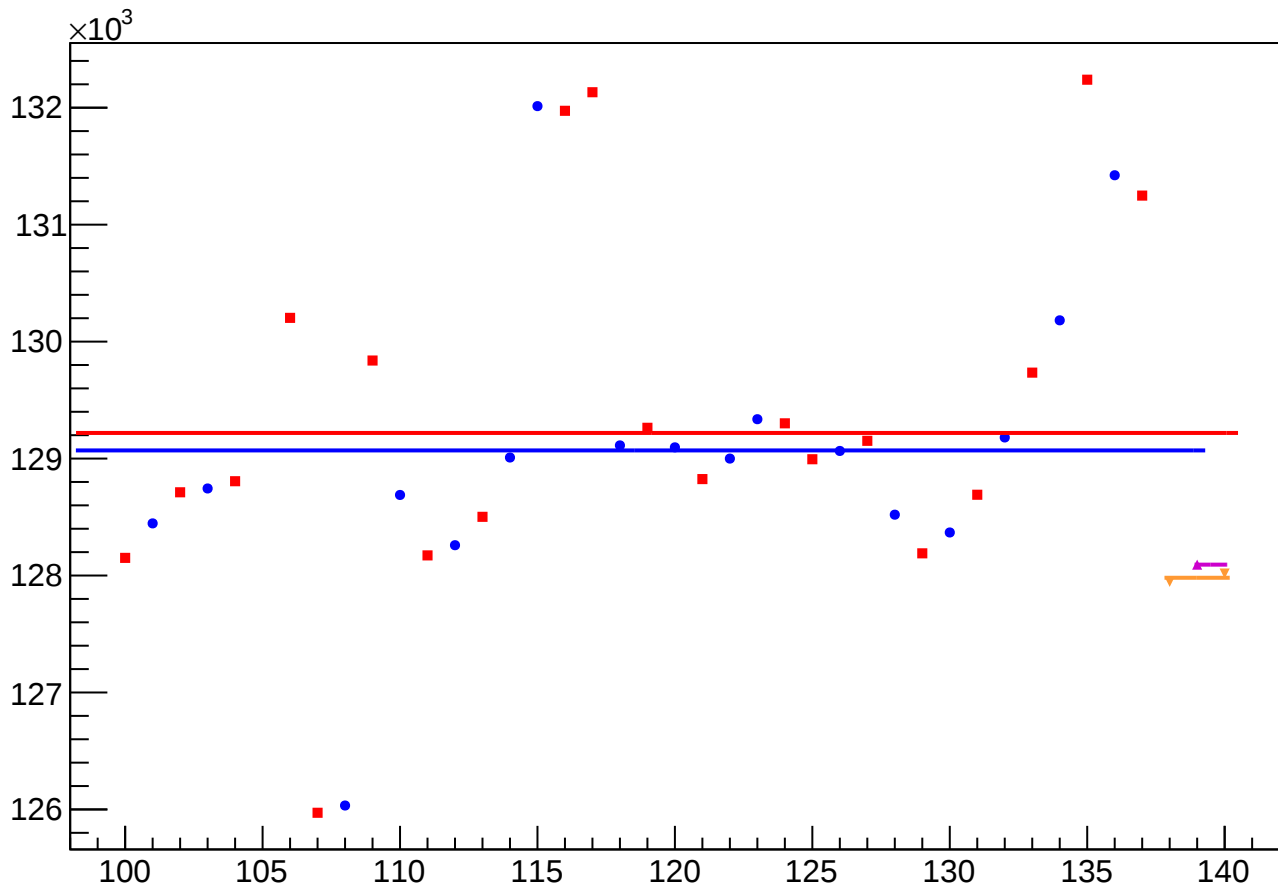
Left In: 163.474+/-0.141 χ^2/NDF : 0.0/0

160.609+/-0.042 χ^2/NDF : 943362.7/18

157.087+/-0.029 χ^2/NDF : 2049817.7/39

153.644+/-0.041 χ^2/NDF : 1092518.4/20

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129069.668 $\pm$ 0.060 χ^2 /NDF: 476692316.5/16

Left Out: 127980.853 $\pm$ 0.128 χ^2 /NDF: 76579.7/1

Right Out: 129219.072 $\pm$ 0.056 χ^2 /NDF: 660468184.1/19

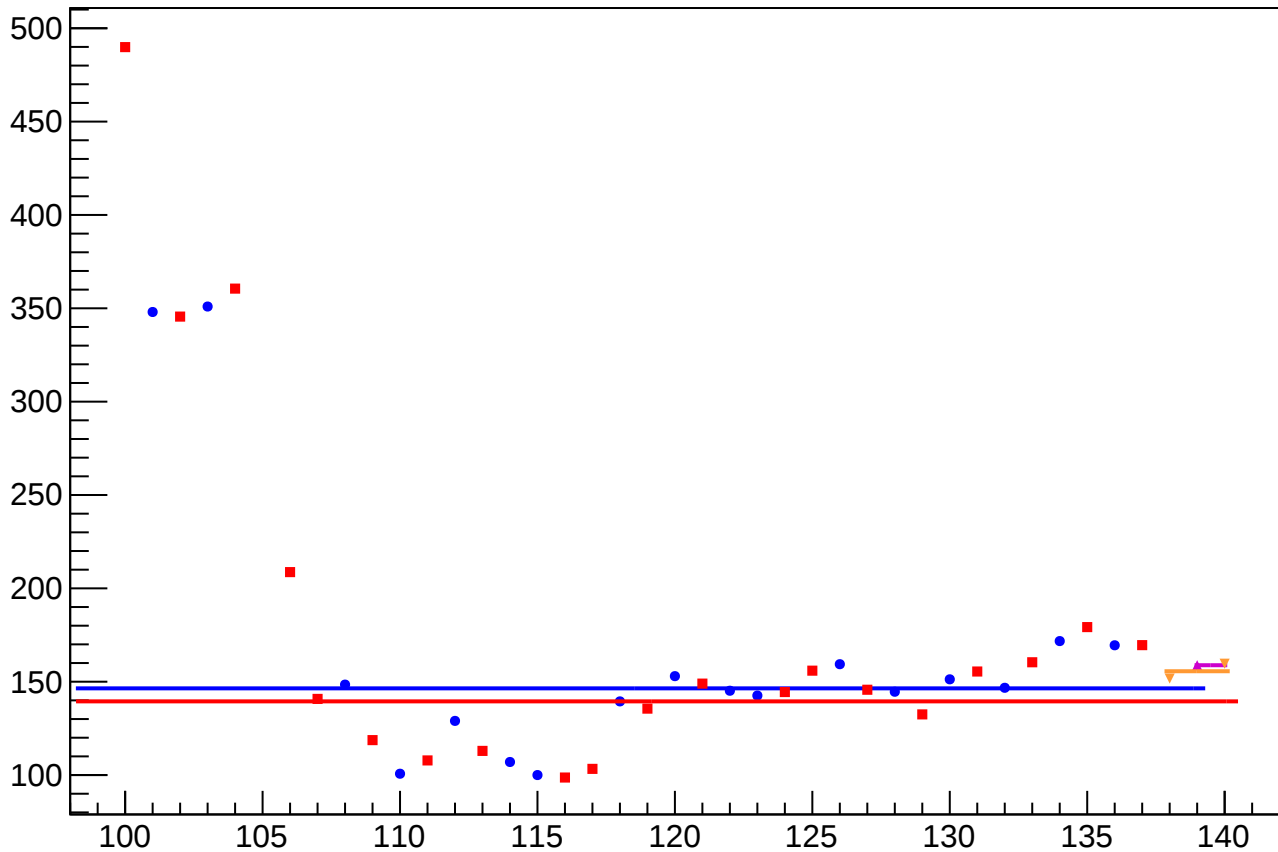
Left In: 128093.056 $\pm$ 0.193 χ^2 /NDF: 0.0/0

128873.263 $\pm$ 0.054 χ^2 /NDF: 535836096.8/18

129005.181 $\pm$ 0.038 χ^2 /NDF: 123914602

129132.694 $\pm$ 0.054 χ^2 /NDF: 691776585.5/20

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 155.607+/-0.091 χ^2/NDF : 1917.7/1

Right Out: 139.468+/-0.039 χ^2/NDF : 1214310.8/19

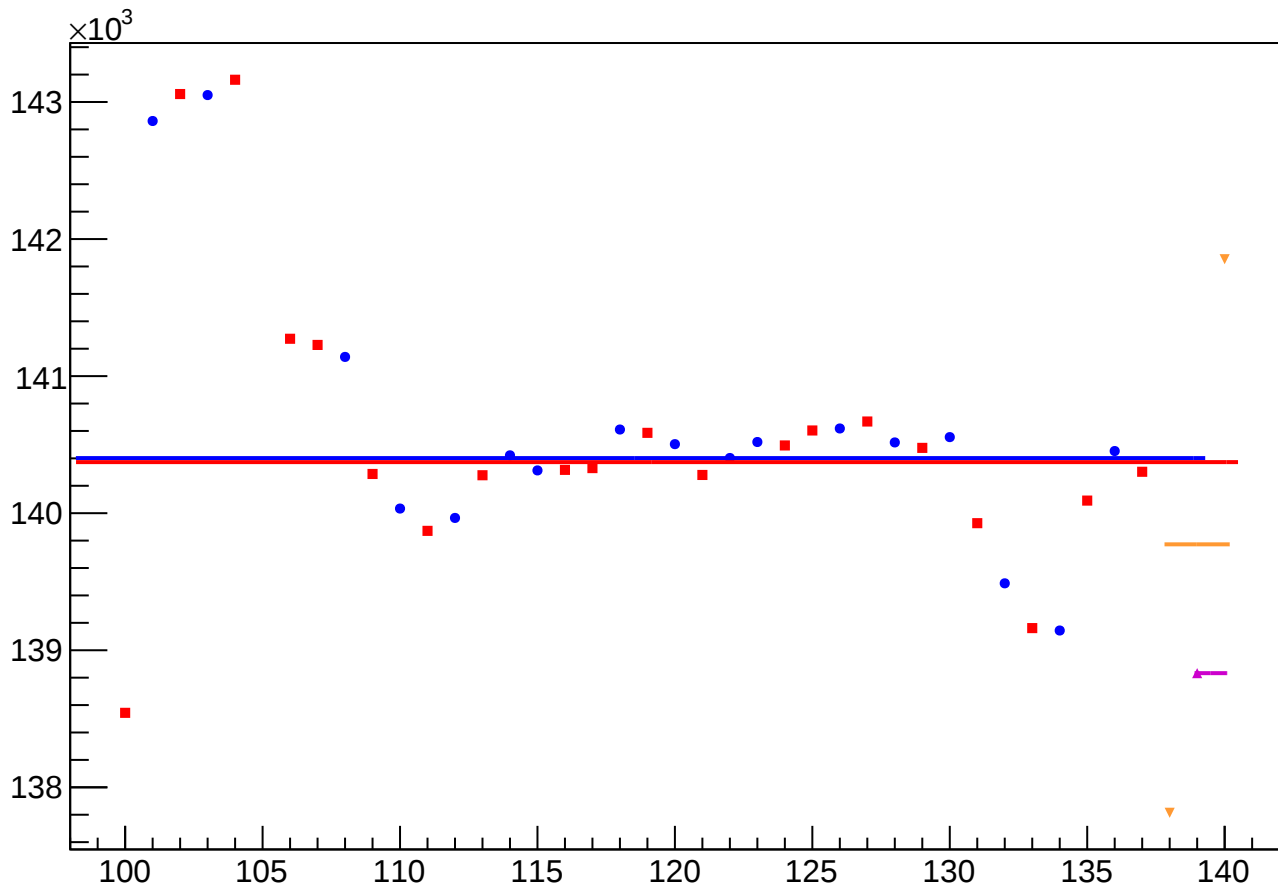
Left In: 158.829+/-0.137 χ^2/NDF : 0.0/0

148.091+/-0.039 χ^2/NDF : 1075087.1/18

144.462+/-0.027 χ^2/NDF : 2325375.6/39

140.953+/-0.038 χ^2/NDF : 1232823.6/20

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16

Left Out: 139772.736 $\pm$ 0.150 χ^2 /NDF: 180044297.0/1

Right Out: 140372.636 $\pm$ 0.059 χ^2 /NDF: 99861038.9/19

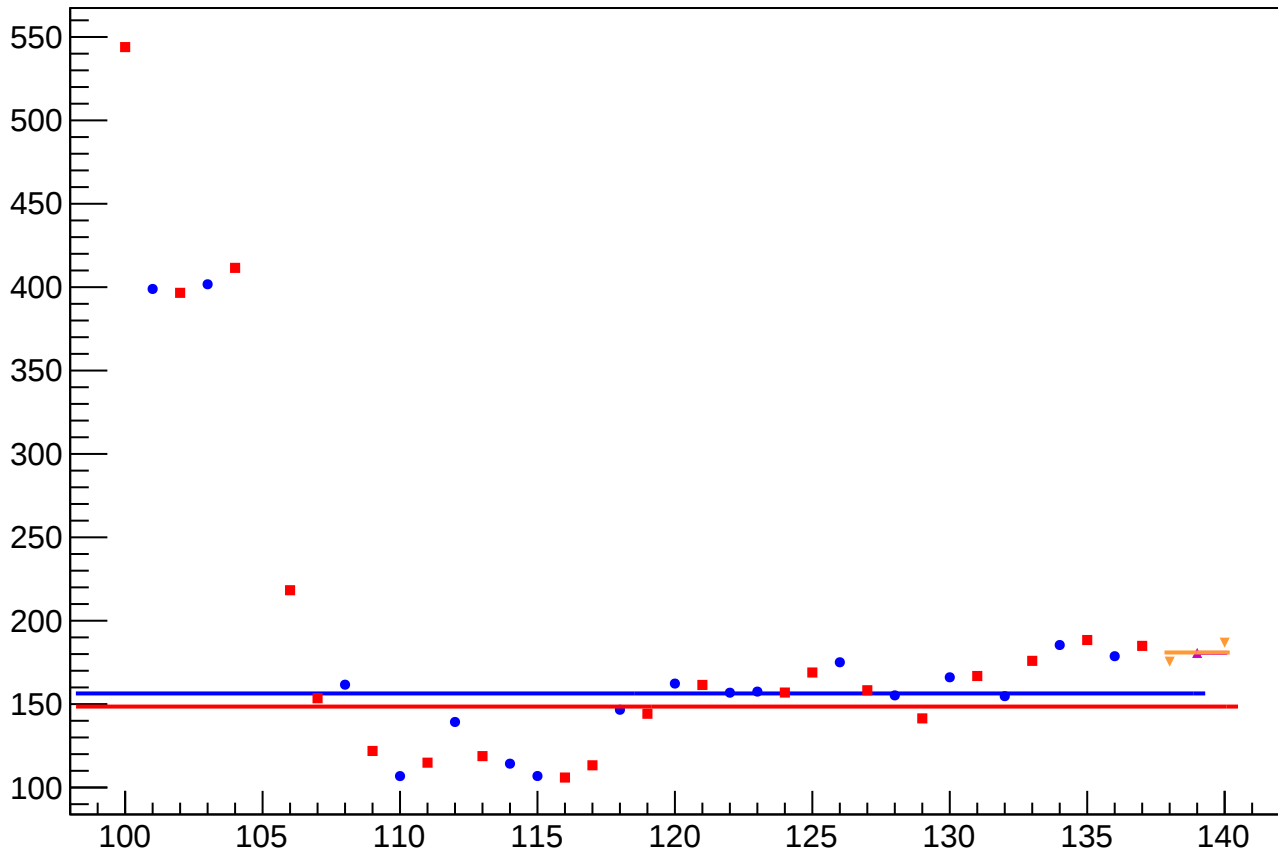
Left In: 138832.941 $\pm$ 0.220 χ^2 /NDF: 0.0/0

140304.669 $\pm$ 0.059 χ^2 /NDF: 282909553.1/18

140285.809 $\pm$ 0.041 χ^2 /NDF: 428471569

140268.034 $\pm$ 0.057 χ^2 /NDF: 145364628.6/20

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.394 $\pm$ 0.046 χ^2/NDF : 1154804.2/16

Left Out: 180.959 $\pm$ 0.106 χ^2/NDF : 2860.9/1

Right Out: 148.524 $\pm$ 0.042 χ^2/NDF : 1316113.9/19

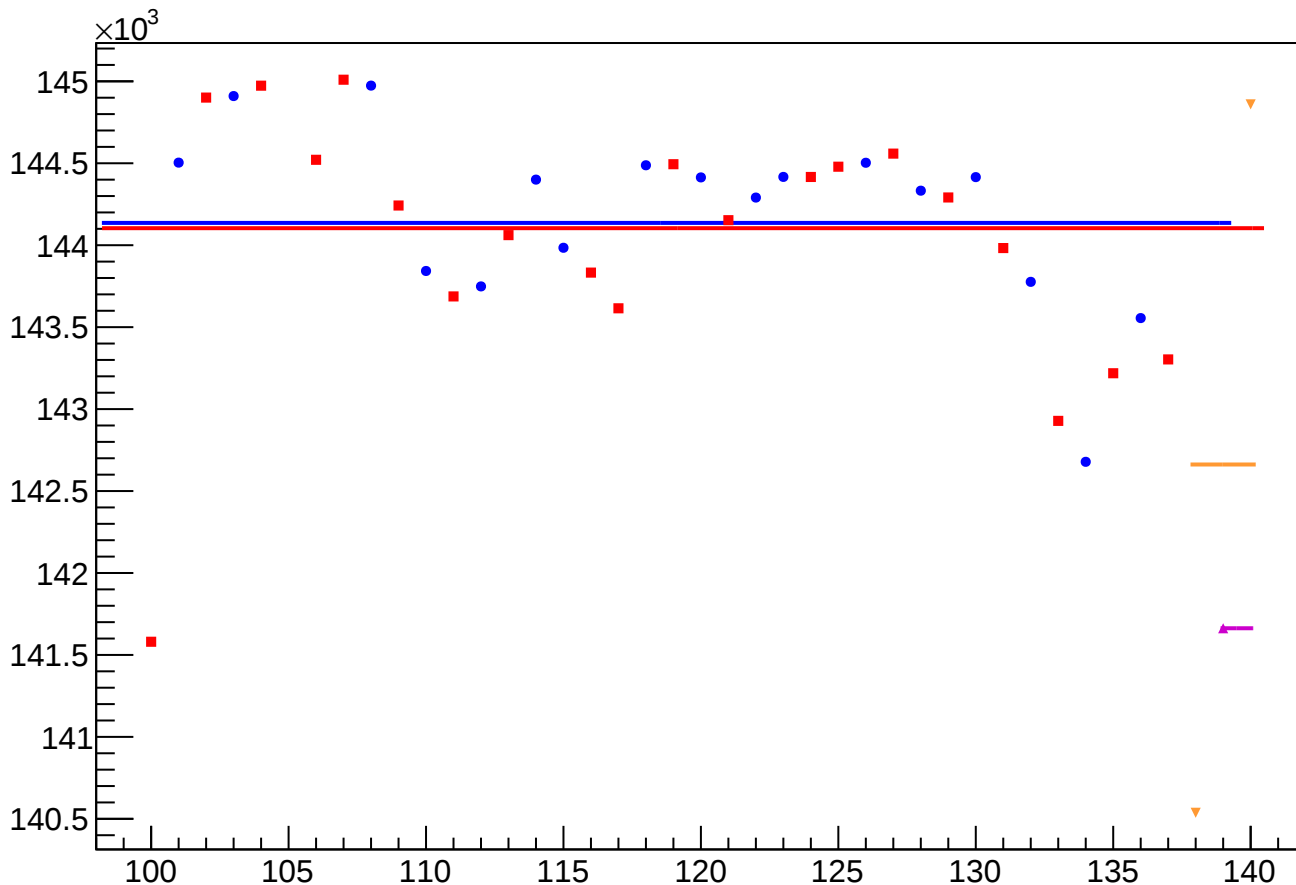
Left In: 180.700 $\pm$ 0.156 χ^2/NDF : 0.0/0

160.194 $\pm$ 0.042 χ^2/NDF : 1202754.1/18

155.311 $\pm$ 0.029 χ^2/NDF : 2585068.7/39

150.710 $\pm$ 0.041 χ^2/NDF : 1355858.3/20

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144136.118 ± 0.067 $\chi^2/\text{NDF}: 47069480.3/16$

Left Out: 142661.995 ± 0.150 $\chi^2/\text{NDF}: 208115033.1/1$

Right Out: 144103.887 ± 0.062 $\chi^2/\text{NDF}: 65973087.5/19$

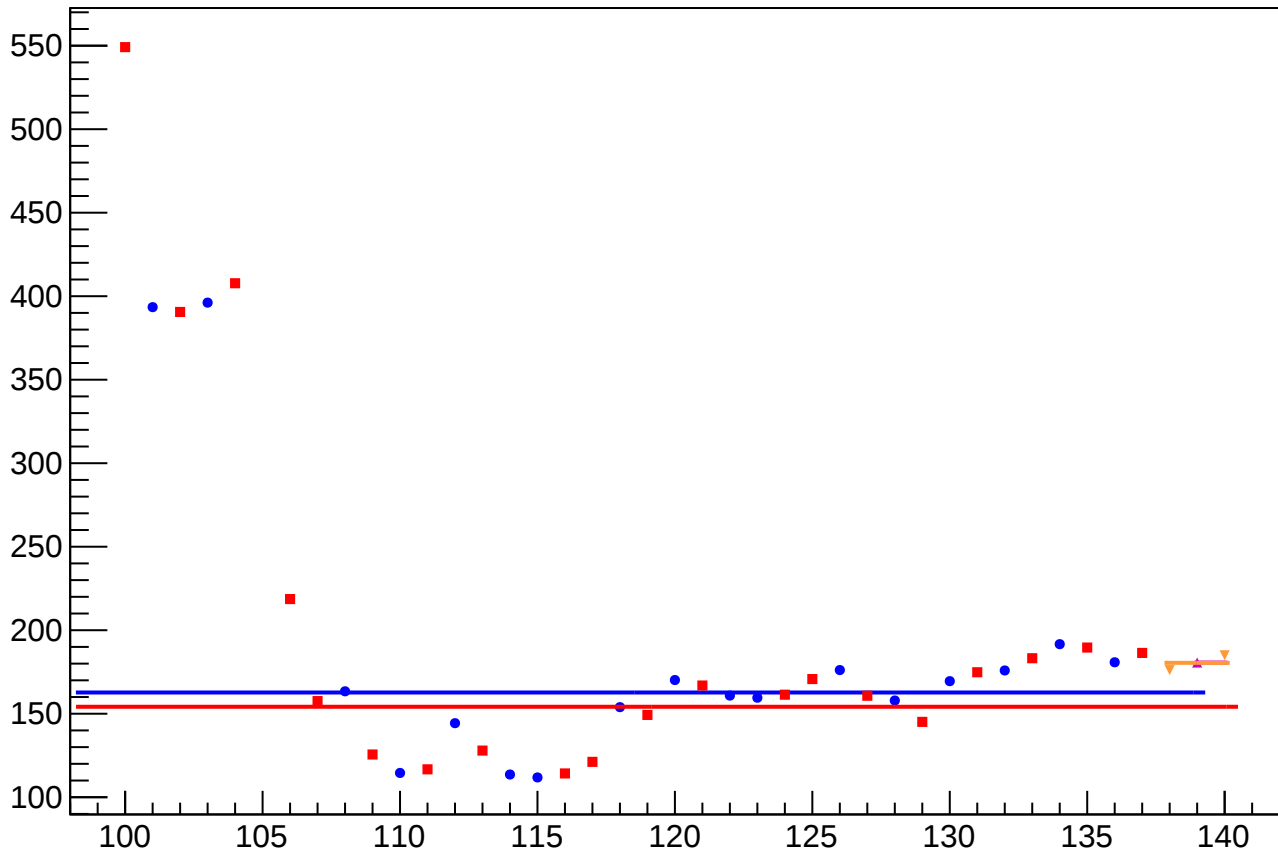
Left In: 141662.800 ± 0.220 $\chi^2/\text{NDF}: 0.0/0$

143891.768 ± 0.061 $\chi^2/\text{NDF}: 335980891.4/18$

143909.799 ± 0.042 $\chi^2/\text{NDF}: 516327468$

143926.818 ± 0.059 $\chi^2/\text{NDF}: 180176648.6/20$

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 180.477 $\pm$ 0.106 χ^2 /NDF: 1752.9/1

Right Out: 154.174 $\pm$ 0.044 χ^2 /NDF: 1224004.2/19

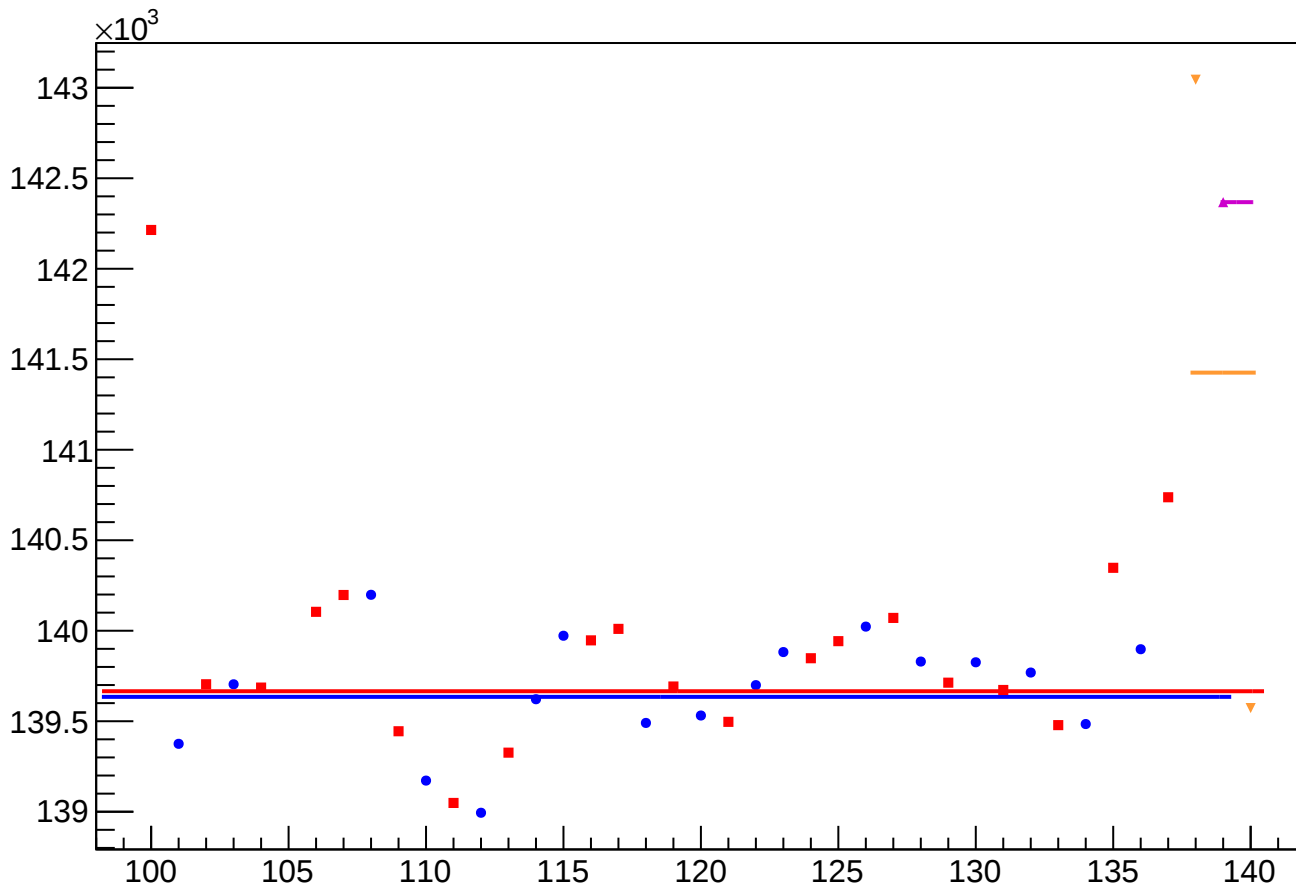
Left In: 180.651 $\pm$ 0.156 χ^2 /NDF: 0.0/0

165.658 $\pm$ 0.043 χ^2 /NDF: 1091697.4/18

160.738 $\pm$ 0.030 χ^2 /NDF: 2367878.7/39

156.094 $\pm$ 0.042 χ^2 /NDF: 1250875.2/20

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 141426.099 $\pm$ 0.158 χ^2 /NDF: 119887636.2/1

Right Out: 139665.743 $\pm$ 0.063 χ^2 /NDF: 38703726.2/19

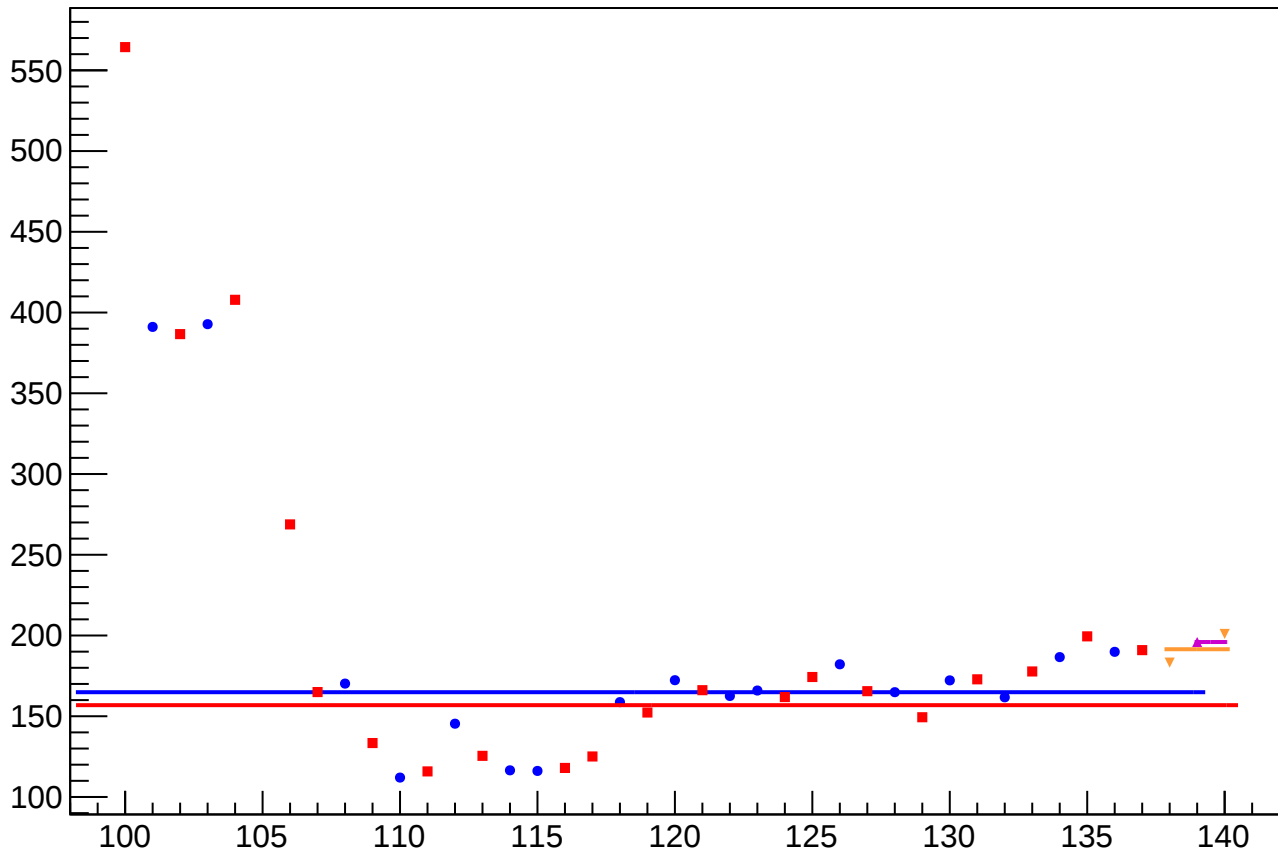
Left In: 142367.981 $\pm$ 0.239 χ^2 /NDF: 0.0/0

139912.586 $\pm$ 0.062 χ^2 /NDF: 253101321.1/18

139875.331 $\pm$ 0.043 χ^2 /NDF: 412326599

139840.035 $\pm$ 0.061 χ^2 /NDF: 158528843.7/20

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 191.496 $\pm$ 0.112 χ^2 /NDF: 6277.5/1

Right Out: 156.859 $\pm$ 0.044 χ^2 /NDF: 1250656.2/19

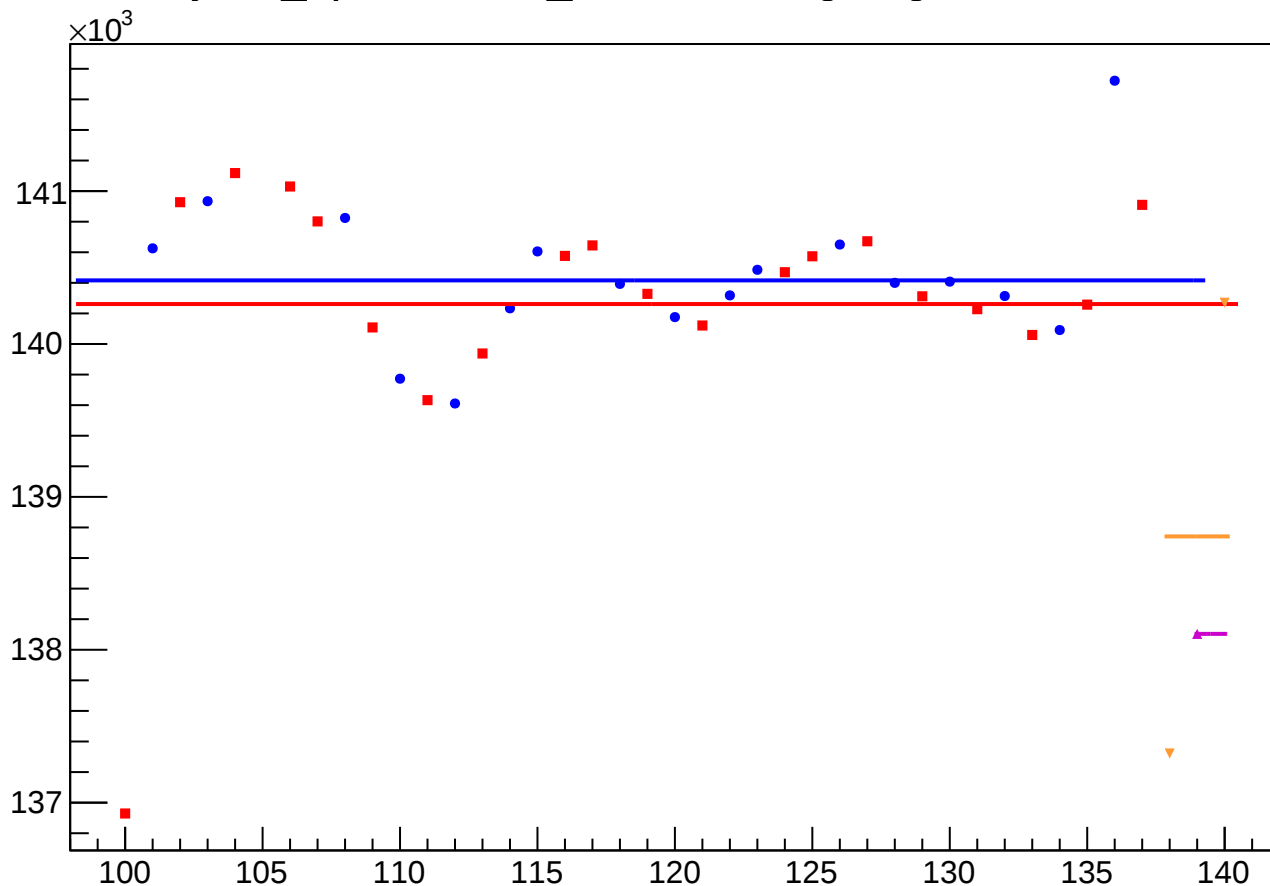
Left In: 195.964 $\pm$ 0.169 χ^2 /NDF: 0.0/0

169.012 $\pm$ 0.044 χ^2 /NDF: 1120376.0/18

164.067 $\pm$ 0.031 χ^2 /NDF: 2445762.2/39

159.382 $\pm$ 0.043 χ^2 /NDF: 1300842.4/20

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 138741.398 ± 0.144 $\chi^2/\text{NDF}: 104243279.3/1$

Right Out: 140261.267 ± 0.063 $\chi^2/\text{NDF}: 38479140.4/19$

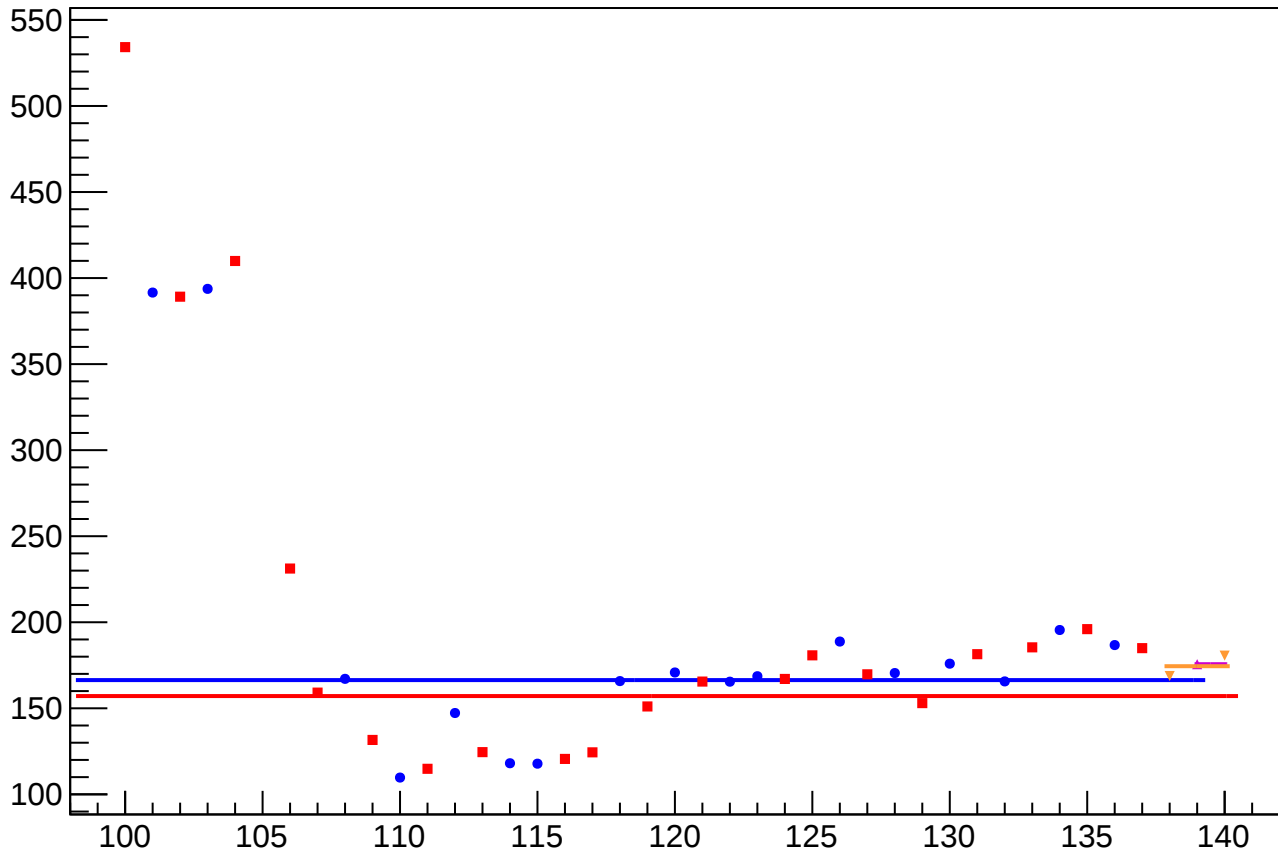
Left In: 138103.927 ± 0.214 $\chi^2/\text{NDF}: 0.0/0$

140108.825 ± 0.062 $\chi^2/\text{NDF}: 284213089.6/18$

140099.174 ± 0.043 $\chi^2/\text{NDF}: 416441452$

140090.001 ± 0.060 $\chi^2/\text{NDF}: 132180800.1/20$

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16

Left Out: 174.460 $\pm$ 0.102 χ^2 /NDF: 3365.5/1

Right Out: 157.110 $\pm$ 0.044 χ^2 /NDF: 1235934.7/19

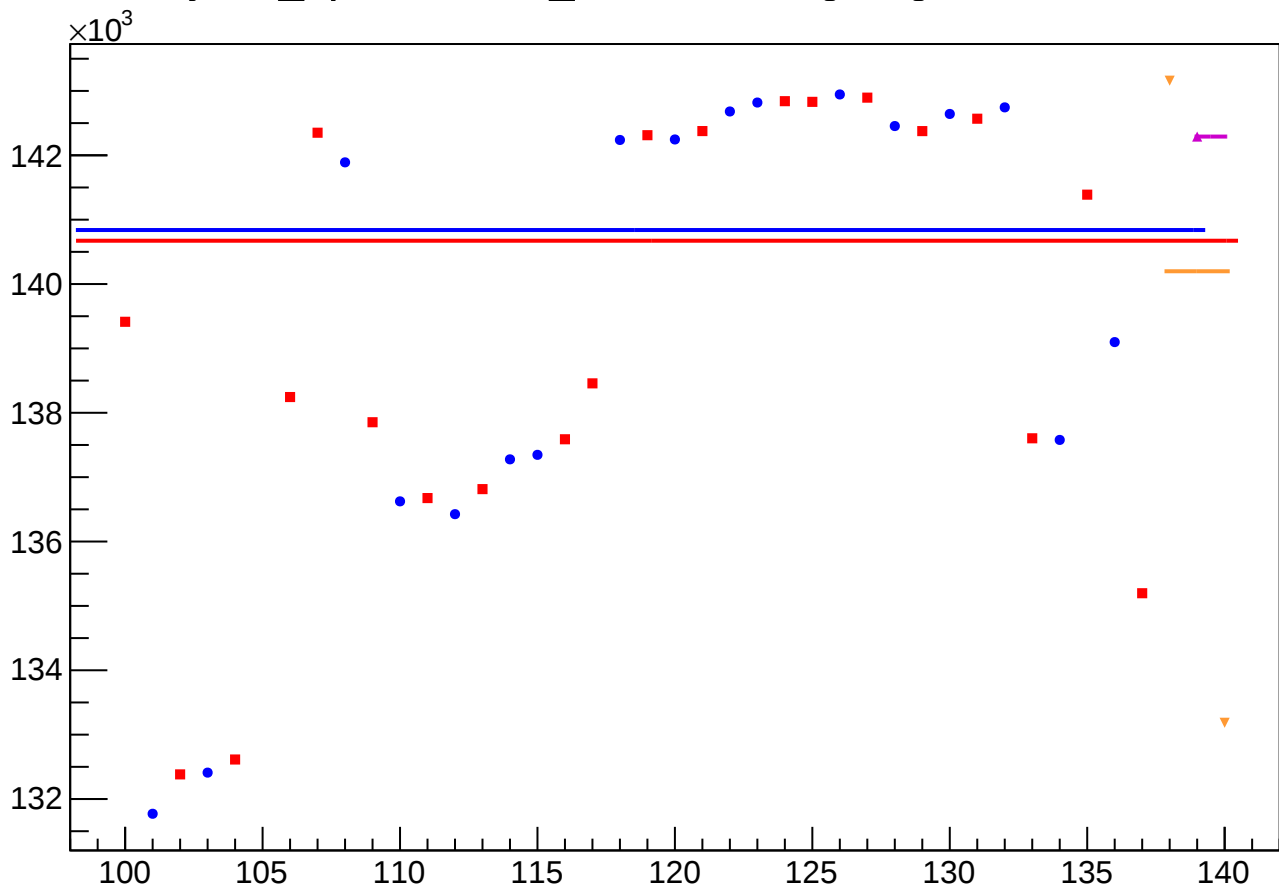
Left In: 175.627 $\pm$ 0.151 χ^2 /NDF: 0.0/0

167.869 $\pm$ 0.044 χ^2 /NDF: 1089441.2/18

163.106 $\pm$ 0.031 χ^2 /NDF: 2362341.9/39

158.580 $\pm$ 0.043 χ^2 /NDF: 1249740.0/20

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16

Left Out: 140198.539 $\pm$ 0.203 χ^2 /NDF: 502846047.8/1

Right Out: 140672.898 $\pm$ 0.099 χ^2 /NDF: 841965357.5/19

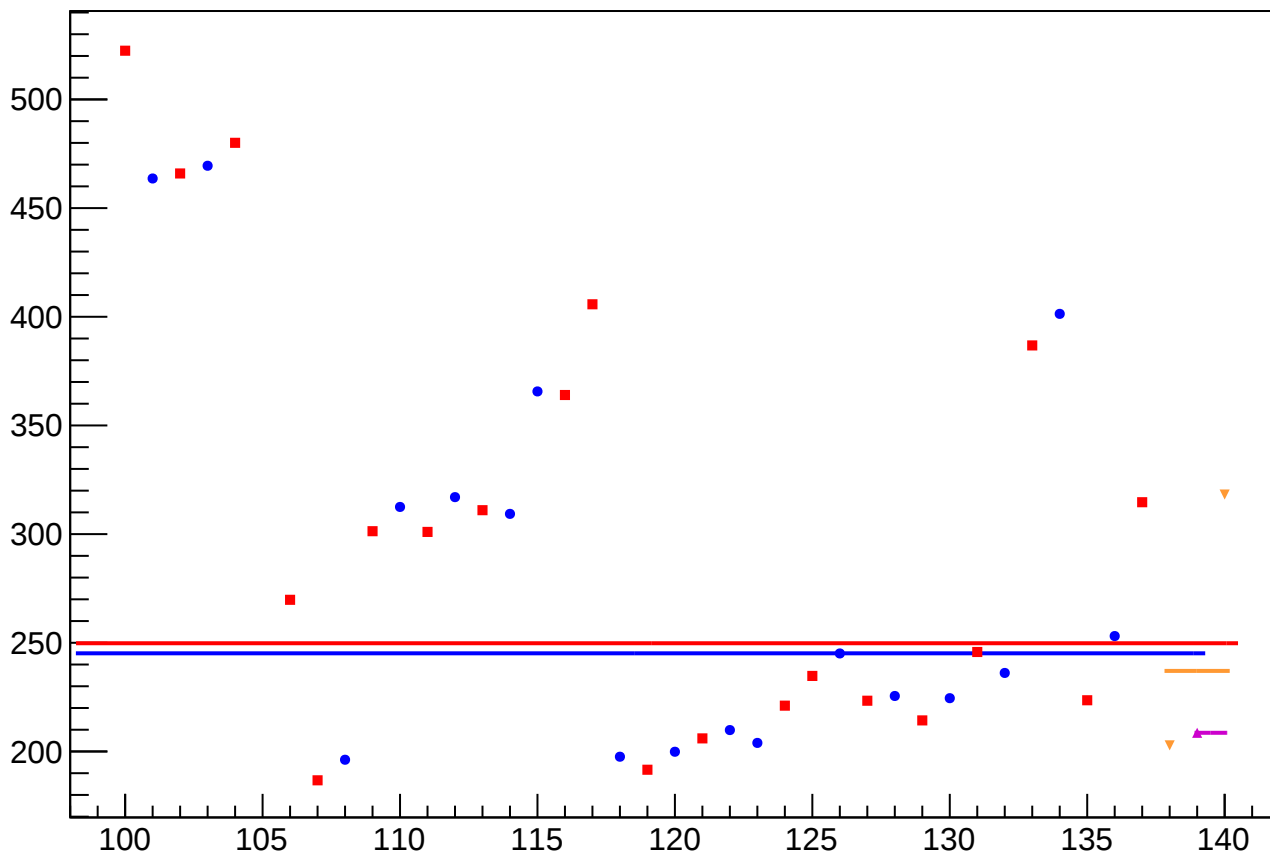
Left In: 142290.917 $\pm$ 0.257 χ^2 /NDF: 0.0/0

140714.226 $\pm$ 0.090 χ^2 /NDF: 1333528678.6/18

140795.411 $\pm$ 0.064 χ^2 /NDF: 221162652

140881.449 $\pm$ 0.092 χ^2 /NDF: 876411814.0/20

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.159+/-0.071 χ^2/NDF : 869491.6/16

Left Out: 237.063+/-0.144 χ^2/NDF :134616.2/1

Right Out: 249.792+/-0.070 χ^2/NDF : 1022316.0/19

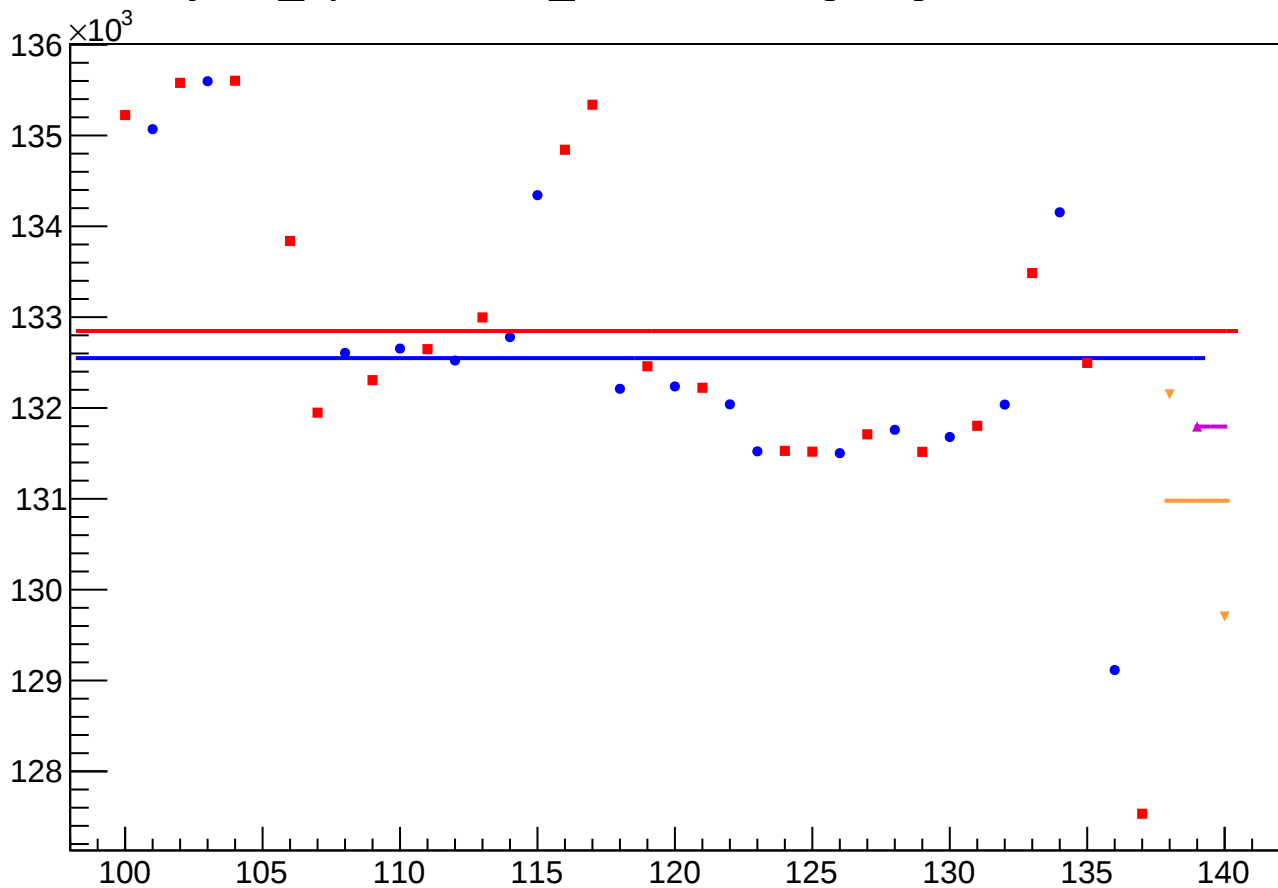
Left In: 208.591+/-0.182 χ^2/NDF :0.0/0

243.580+/-0.063 χ^2/NDF : 1006663.2/18

244.018+/-0.046 χ^2/NDF : 2073747.8/39

244.482+/-0.065 χ^2/NDF : 1066986.6/20

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 130979.253 $\pm$ 0.155 χ^2 /NDF: 62096659.8/1

Right Out: 132847.502 $\pm$ 0.107 χ^2 /NDF: 151618589.4/19

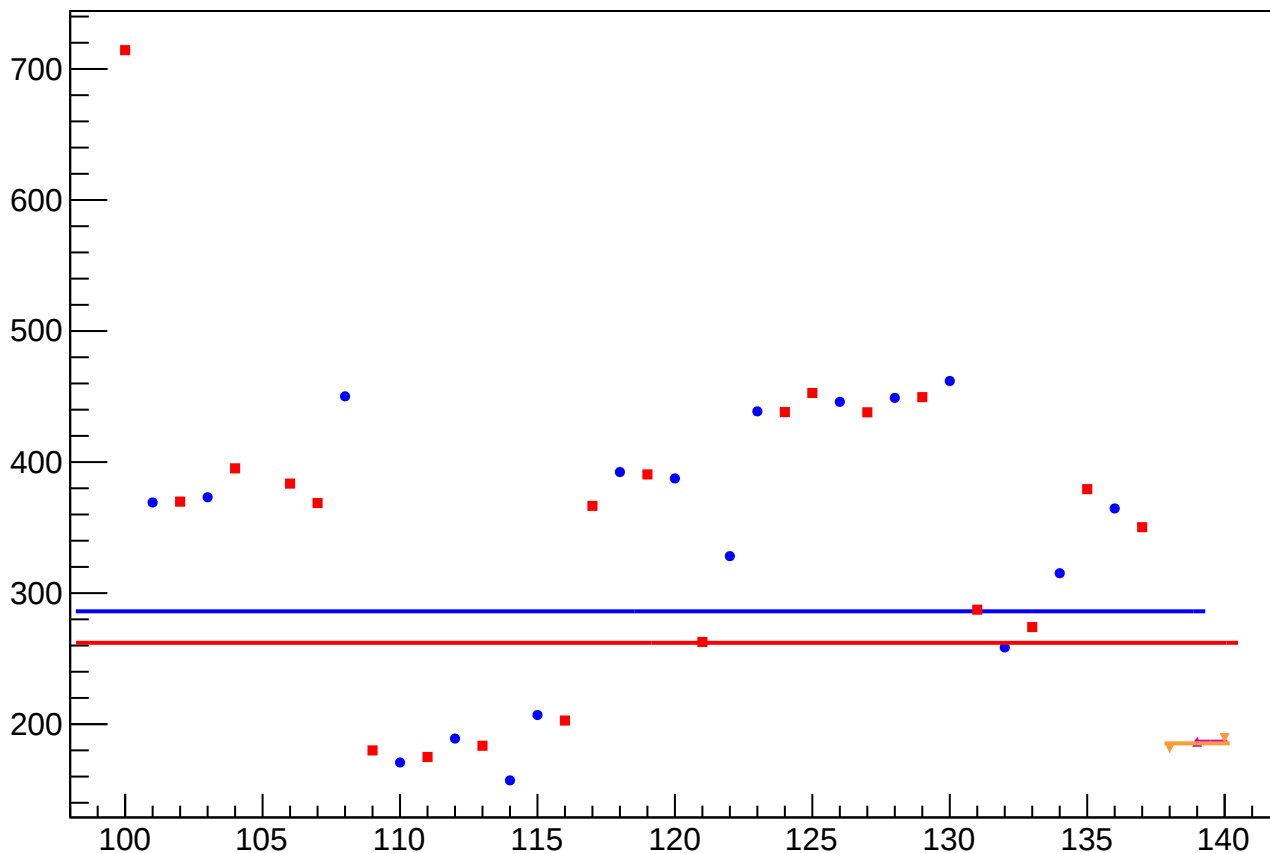
Left In: 131795.625 $\pm$ 0.227 χ^2 /NDF: 0.0/0

131964.736 $\pm$ 0.095 χ^2 /NDF: 287558173.4/18

132302.952 $\pm$ 0.068 χ^2 /NDF: 482905088

132656.567 $\pm$ 0.097 χ^2 /NDF: 169192600.4/20

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.122 $\pm$ 0.084 χ^2 /NDF: 1525266.4/16

Left Out: 185.374 $\pm$ 0.110 χ^2 /NDF:1230.4/1

Right Out: 262.073 $\pm$ 0.076 χ^2 /NDF: 1630239.5/19

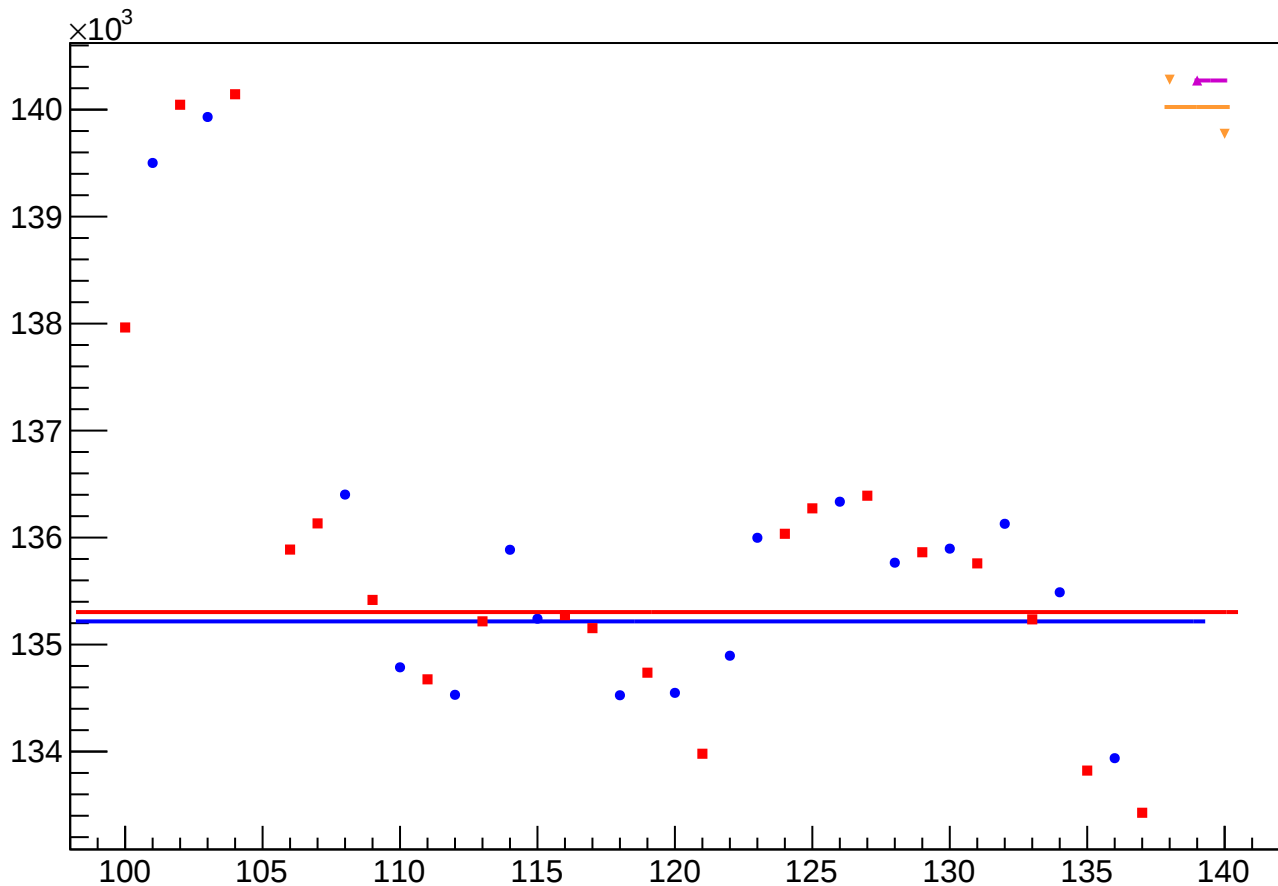
Left In: 186.630 $\pm$ 0.161 χ^2 /NDF:0.0/0

248.628 $\pm$ 0.067 χ^2 /NDF: 2056684.2/18

248.506 $\pm$ 0.048 χ^2 /NDF: 3867734.8/39

248.378 $\pm$ 0.068 χ^2 /NDF: 1811043.8/20

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140024.545 $\pm$ 0.144 χ^2 /NDF: 3087522.9/1

135816.836 $\pm$ 0.051 χ^2 /NDF: 1351213145.6/18

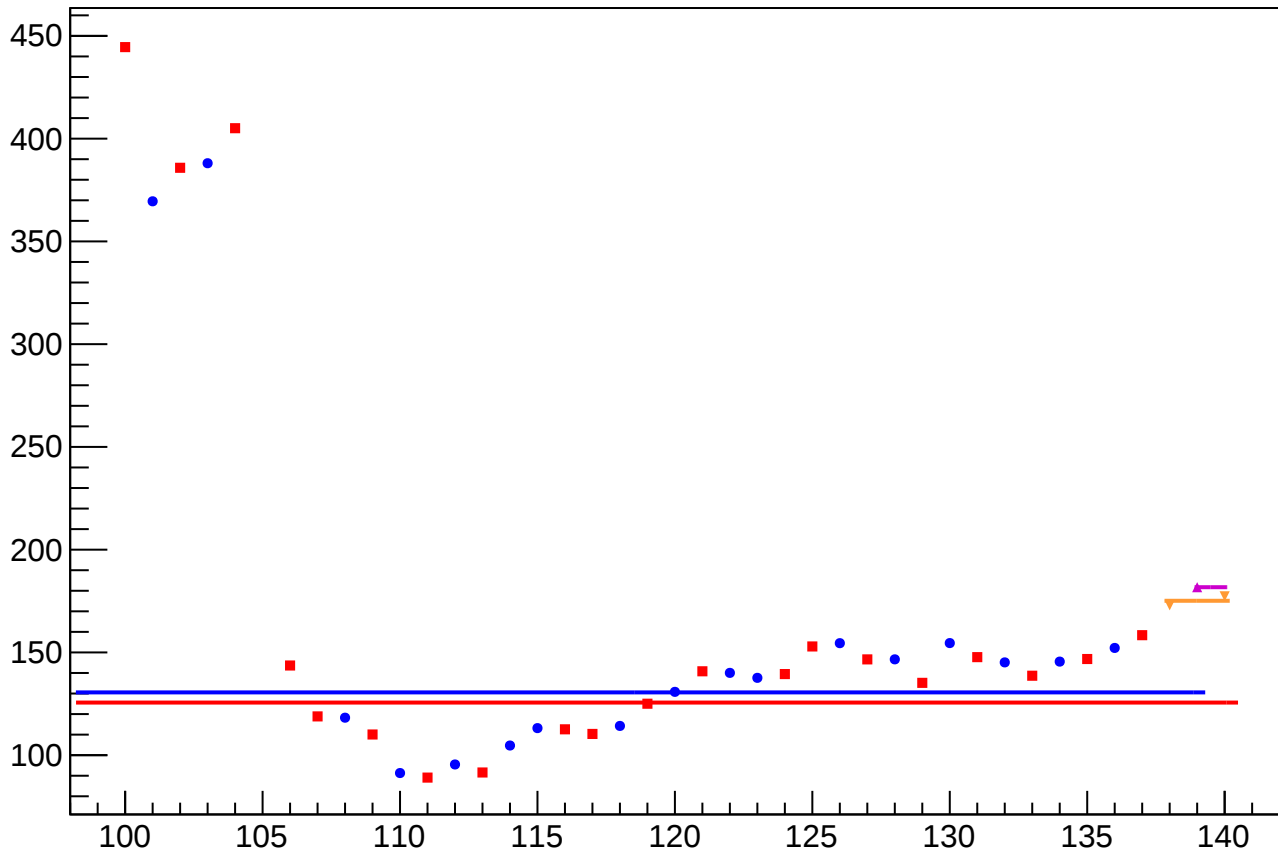
Right Out: 135303.736 $\pm$ 0.051 χ^2 /NDF: 357717935.5/19

135682.257 $\pm$ 0.036 χ^2 /NDF: 220281680

135554.185 $\pm$ 0.050 χ^2 /NDF: 837933412.1/20

Left In: 140272.373 $\pm$ 0.221 χ^2 /NDF: 0.0/0

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 175.132 $\pm$ 0.102 χ^2 /NDF: 463.6/1

Right Out: 125.603 $\pm$ 0.036 χ^2 /NDF: 1441677.4/19

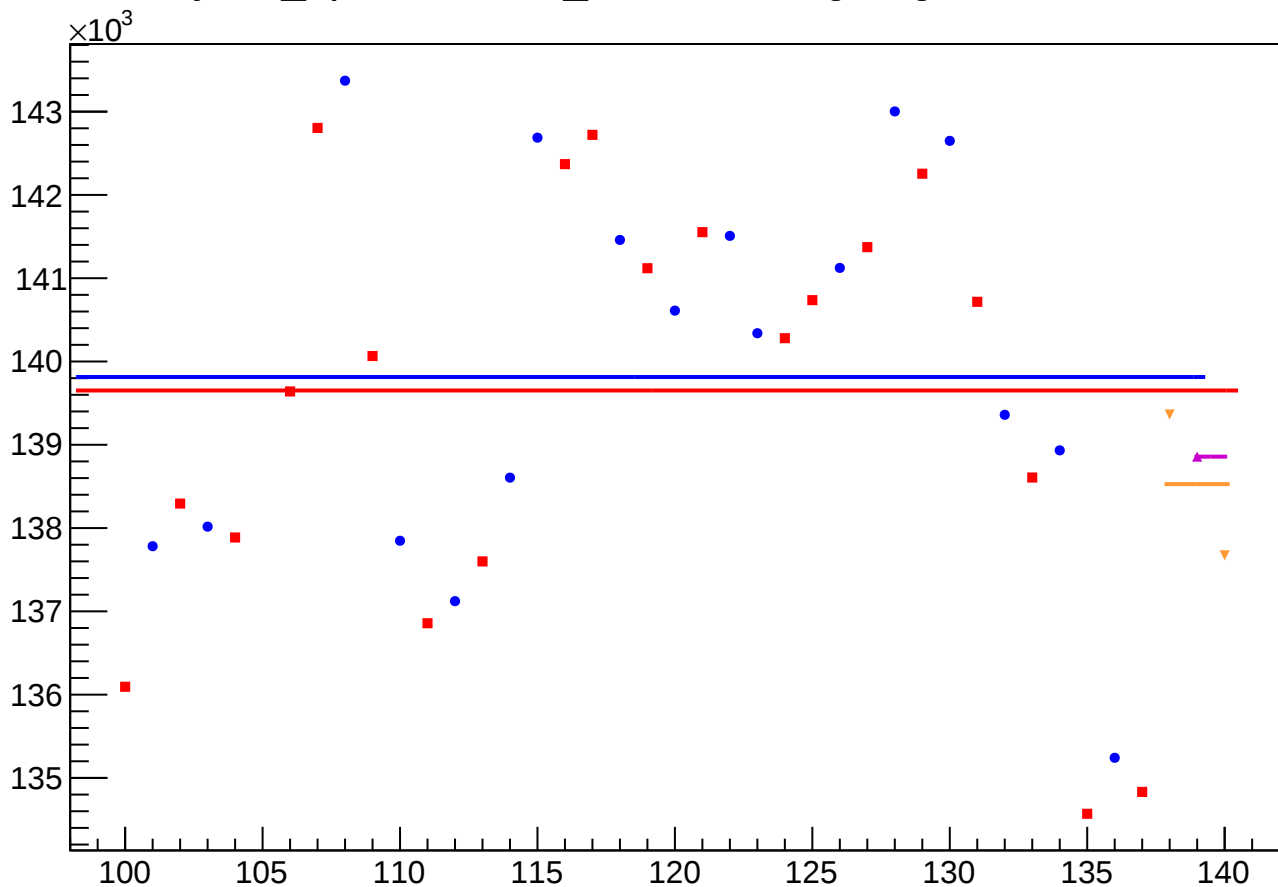
Left In: 181.739 $\pm$ 0.156 χ^2 /NDF: 0.0/0

136.117 $\pm$ 0.036 χ^2 /NDF: 1541524.6/18

132.180 $\pm$ 0.025 χ^2 /NDF: 3129198.1/39

128.433 $\pm$ 0.035 χ^2 /NDF: 1564271.8/20

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 138527.278 $\pm$ 0.142 χ^2 /NDF: 35588325.6/1

Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

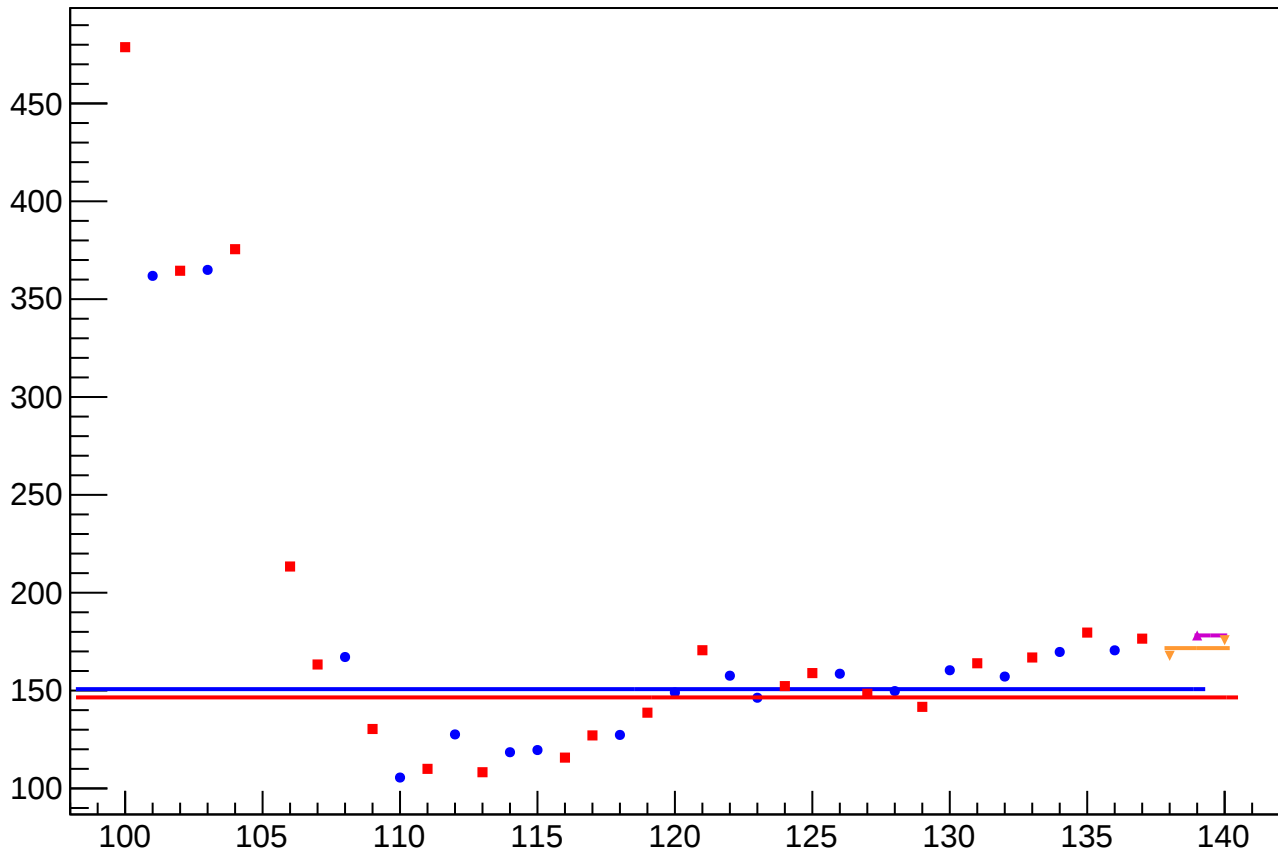
Left In: 138857.644 $\pm$ 0.217 χ^2 /NDF: 0.0/0

139607.481 $\pm$ 0.057 χ^2 /NDF: 1794625455.6/18

139602.487 $\pm$ 0.040 χ^2 /NDF: 333815968

139597.500 $\pm$ 0.057 χ^2 /NDF: 1543518752.8/20

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 171.696+/-0.100 χ^2/NDF : 1585.7/1

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

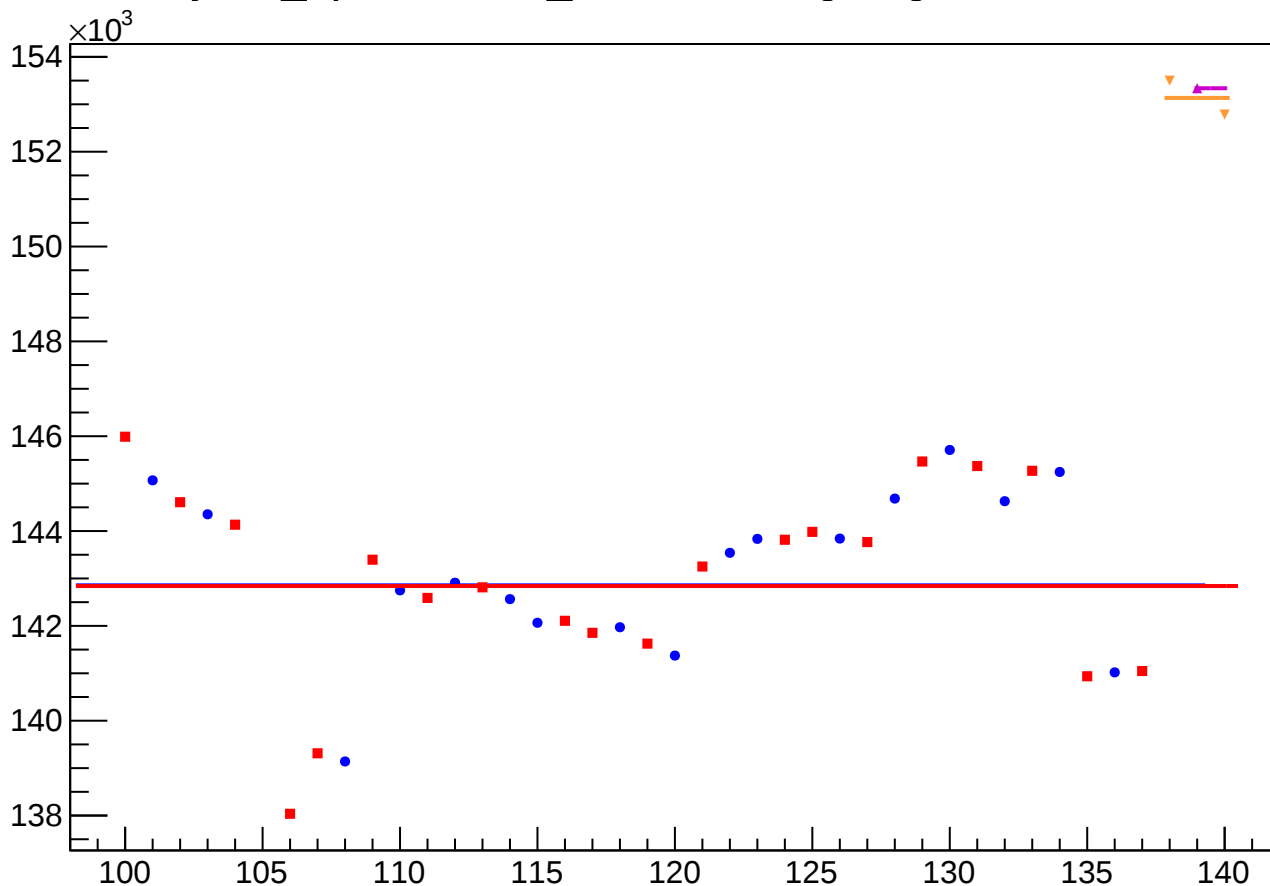
Left In: 178.175+/-0.153 χ^2/NDF : 0.0/0

154.093+/-0.040 χ^2/NDF : 1088395.9/18

151.381+/-0.028 χ^2/NDF : 2342412.7/39

148.672+/-0.040 χ^2/NDF : 1244883.1/20

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 153134.883 $\pm$ 0.148 χ^2 /NDF: 5794309.5/1

144493.079 $\pm$ 0.059 χ^2 /NDF: 4775587127.6/18

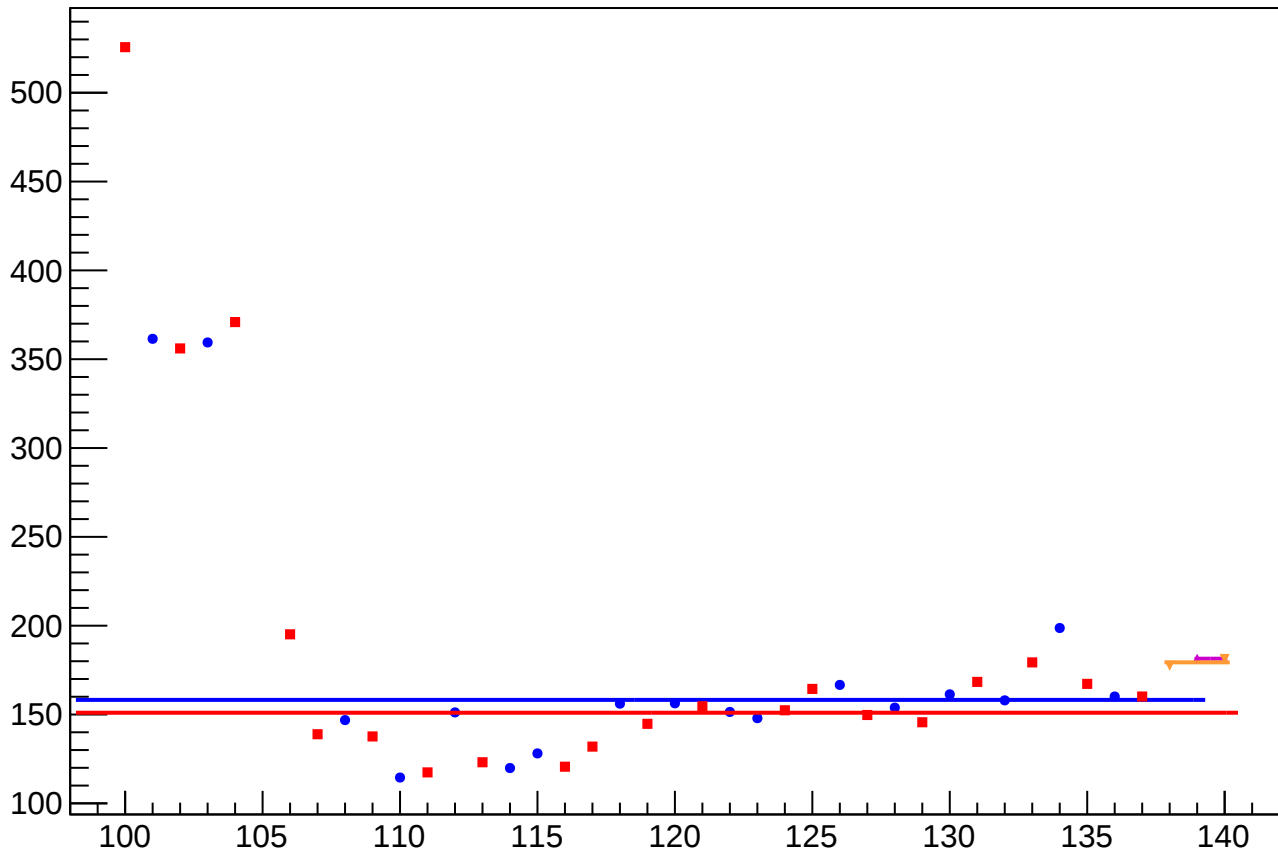
Right Out: 142840.509 $\pm$ 0.060 χ^2 /NDF: 852484333.4/19

144018.080 $\pm$ 0.041 χ^2 /NDF: 785209132

143563.124 $\pm$ 0.058 χ^2 /NDF: 2950824718.9/20

Left In: 153338.571 $\pm$ 0.221 χ^2 /NDF: 0.0/0

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.233 $\pm$ 0.046 χ^2 /NDF: 883513.4/16

Left Out: 179.365 $\pm$ 0.105 χ^2 /NDF: 342.9/1

Right Out: 151.003 $\pm$ 0.043 χ^2 /NDF: 1005104.9/19

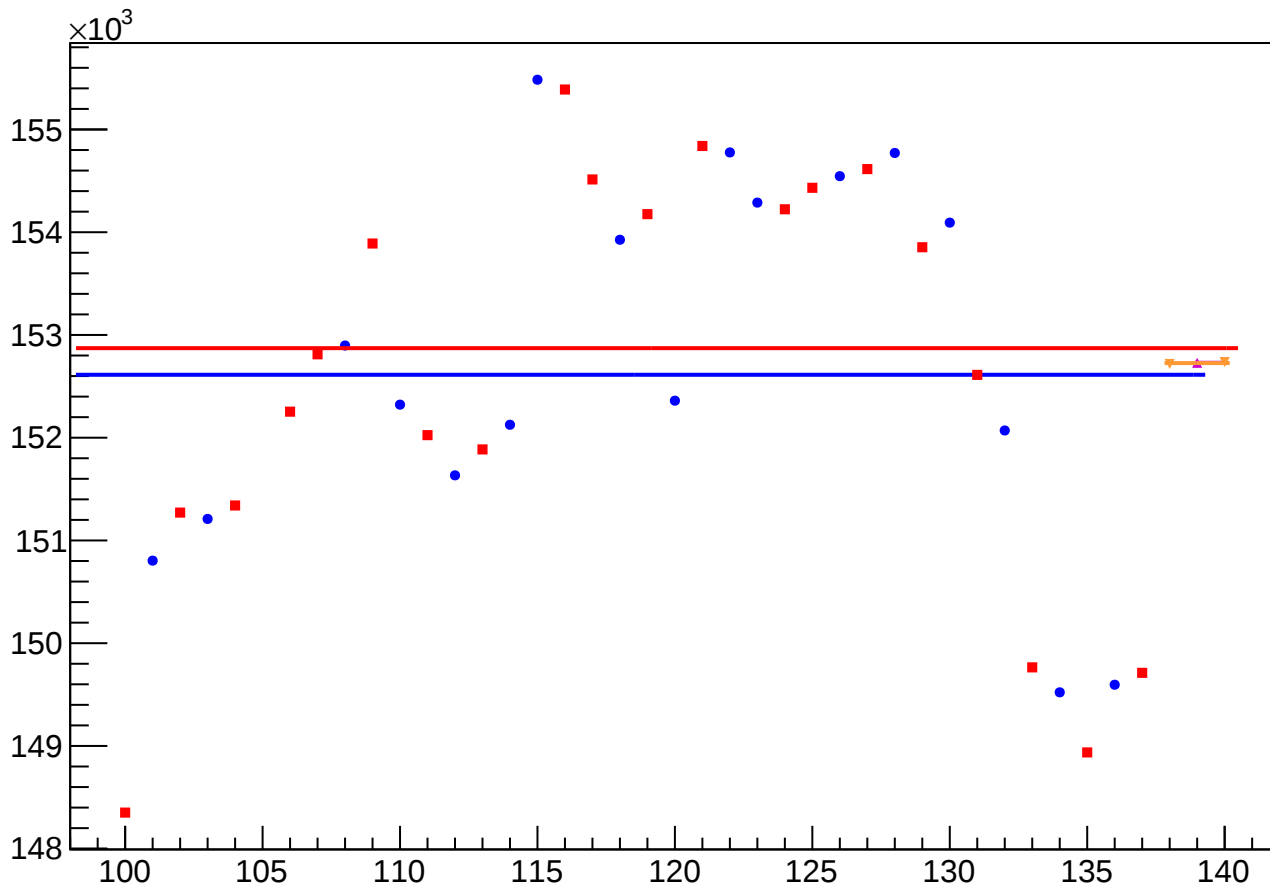
Left In: 181.422 $\pm$ 0.156 χ^2 /NDF: 0.0/0

161.601 $\pm$ 0.042 χ^2 /NDF: 917907.4/18

157.257 $\pm$ 0.029 χ^2 /NDF: 1979268.0/39

153.097 $\pm$ 0.041 χ^2 /NDF: 1040339.8/20

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16

Left Out: 152726.269 $\pm$ 0.145 χ^2 /NDF: 4057.9/1

Right Out: 152871.618 $\pm$ 0.066 χ^2 /NDF: 720639345.6/19

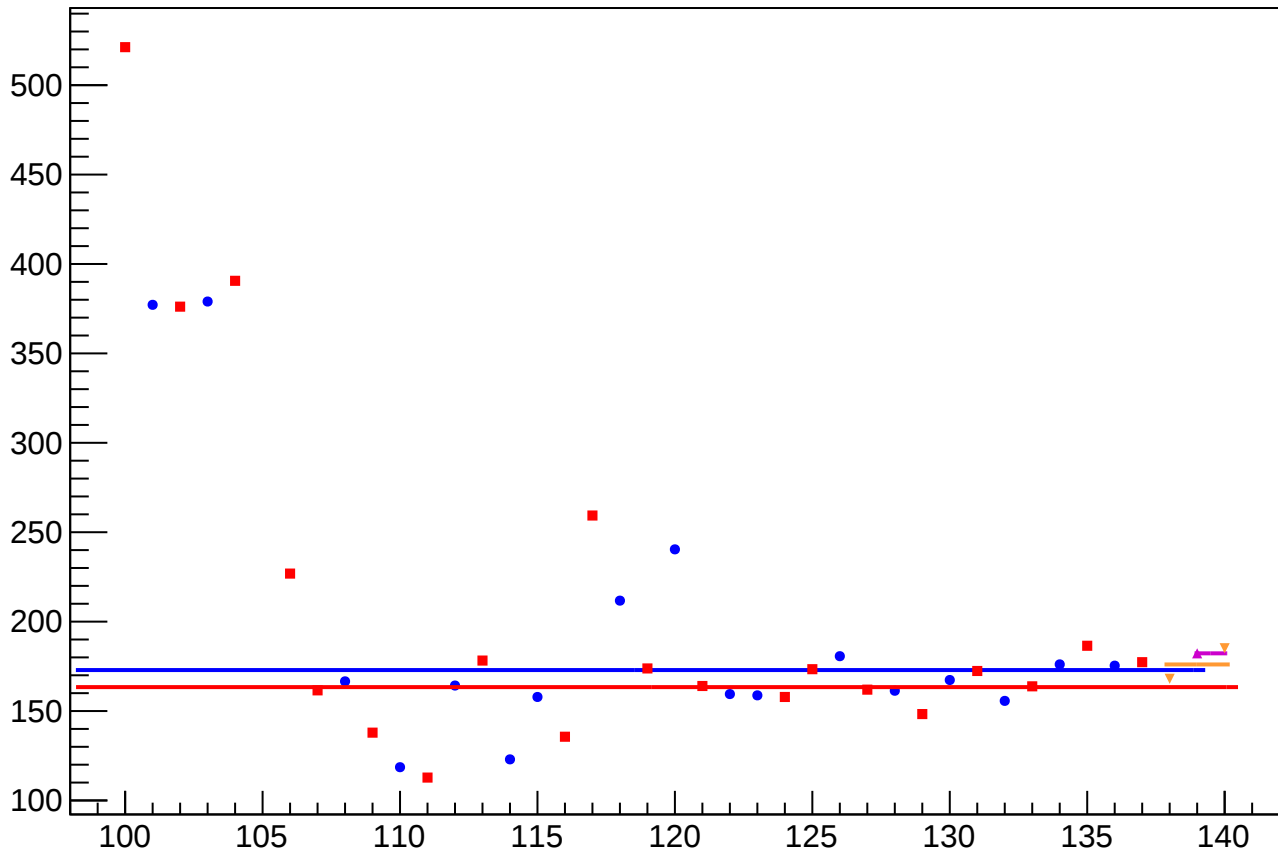
Left In: 152729.416 $\pm$ 0.222 χ^2 /NDF: 0.0/0

152635.049 $\pm$ 0.065 χ^2 /NDF: 621910603.5/18

152749.758 $\pm$ 0.045 χ^2 /NDF: 134910250

152860.025 $\pm$ 0.063 χ^2 /NDF: 721016267.6/20

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 176.055+/-0.103 χ^2/NDF : 6875.2/1

Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

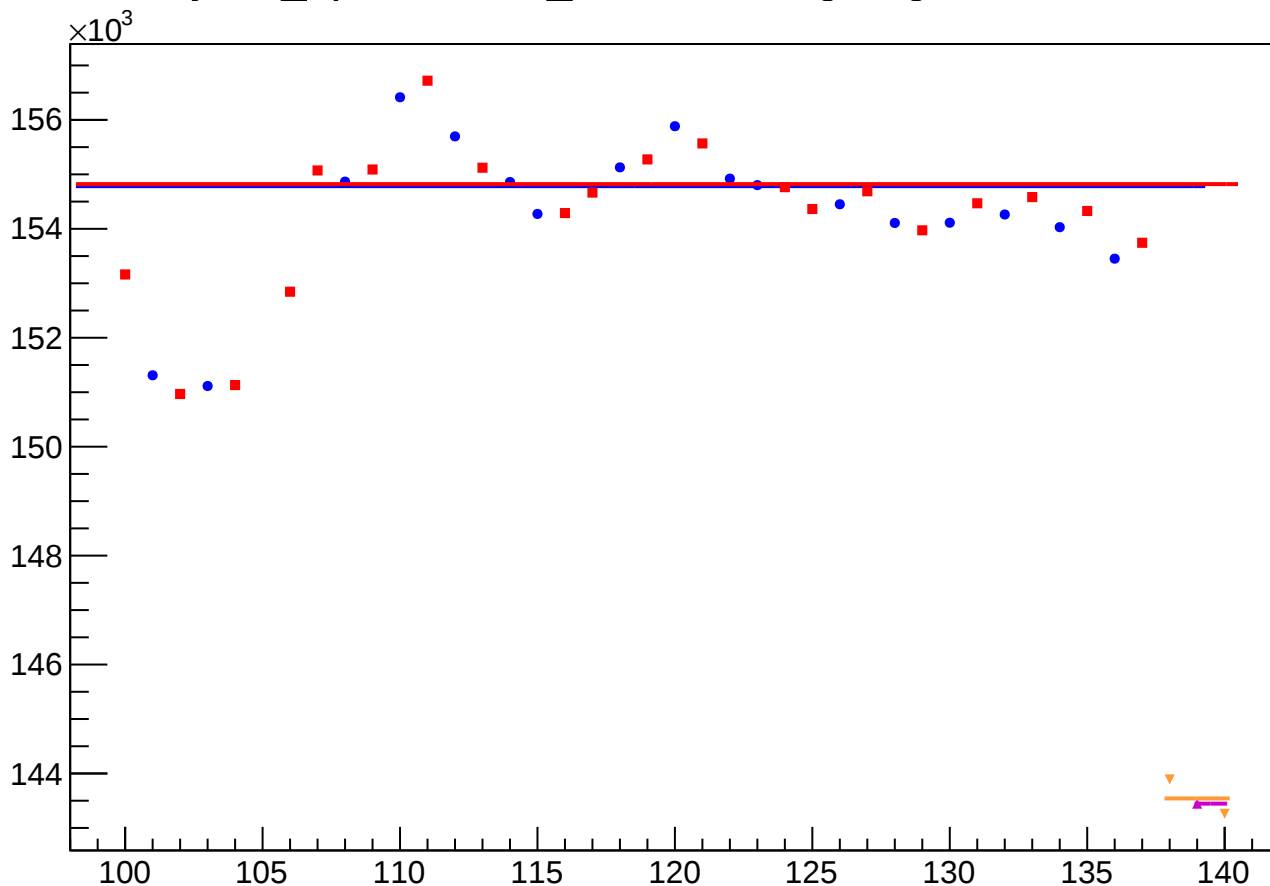
Left In: 182.267+/-0.157 χ^2/NDF : 0.0/0

173.540+/-0.046 χ^2/NDF : 949574.5/18

169.145+/-0.032 χ^2/NDF : 2025430.0/39

164.921+/-0.045 χ^2/NDF : 1057727.3/20

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$

Left Out: 143541.466 ± 0.140 $\chi^2/\text{NDF}: 5038297.0/1$

Right Out: 154820.824 ± 0.061 $\chi^2/\text{NDF}: 293904936.4/19$

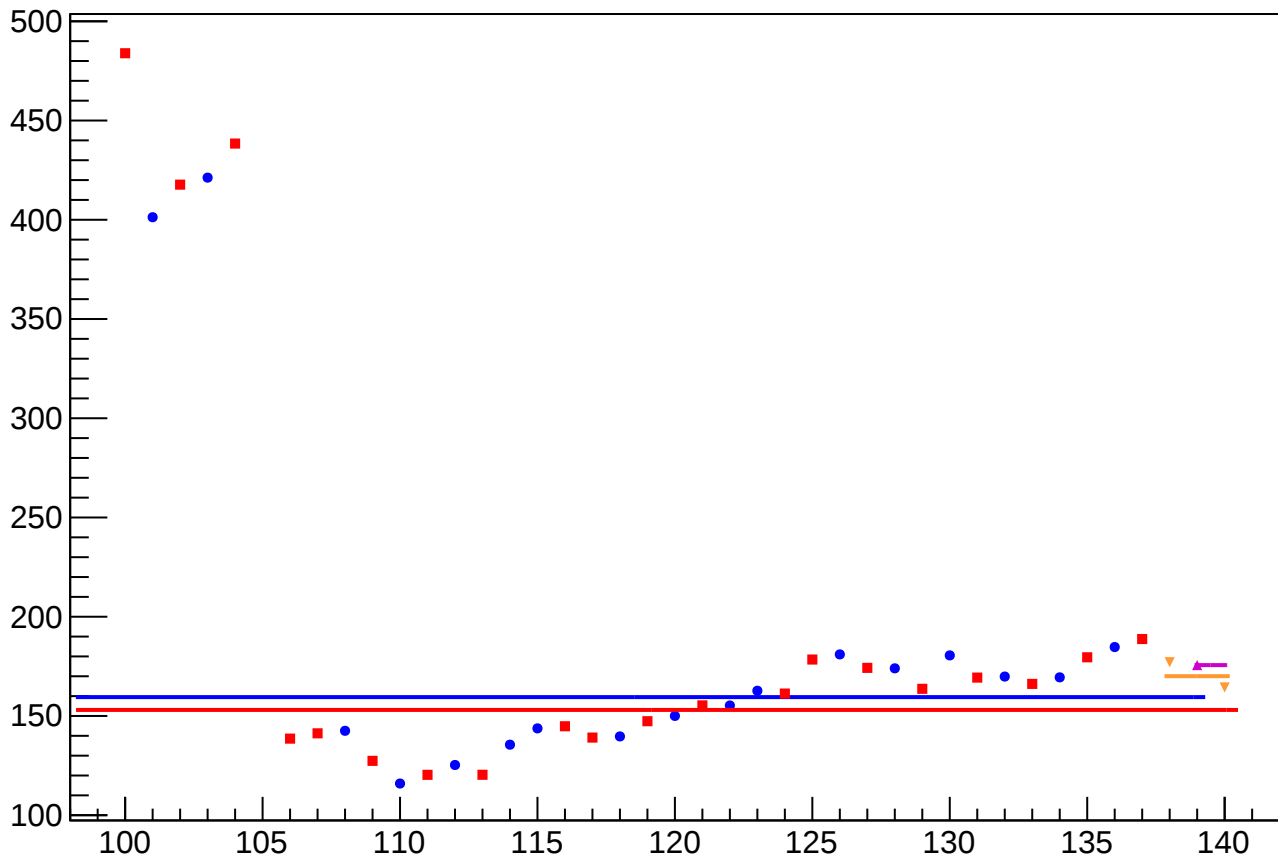
Left In: 143446.077 ± 0.214 $\chi^2/\text{NDF}: 0.0/0$

152762.895 ± 0.059 $\chi^2/\text{NDF}: 5588137472.8/18$

153376.844 ± 0.042 $\chi^2/\text{NDF}: 871720431$

153972.902 ± 0.058 $\chi^2/\text{NDF}: 2917106792.6/20$

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 170.053 $\pm$ 0.099 χ^2 /NDF: 4103.1/1

Right Out: 153.038 $\pm$ 0.043 χ^2 /NDF: 1174616.4/19

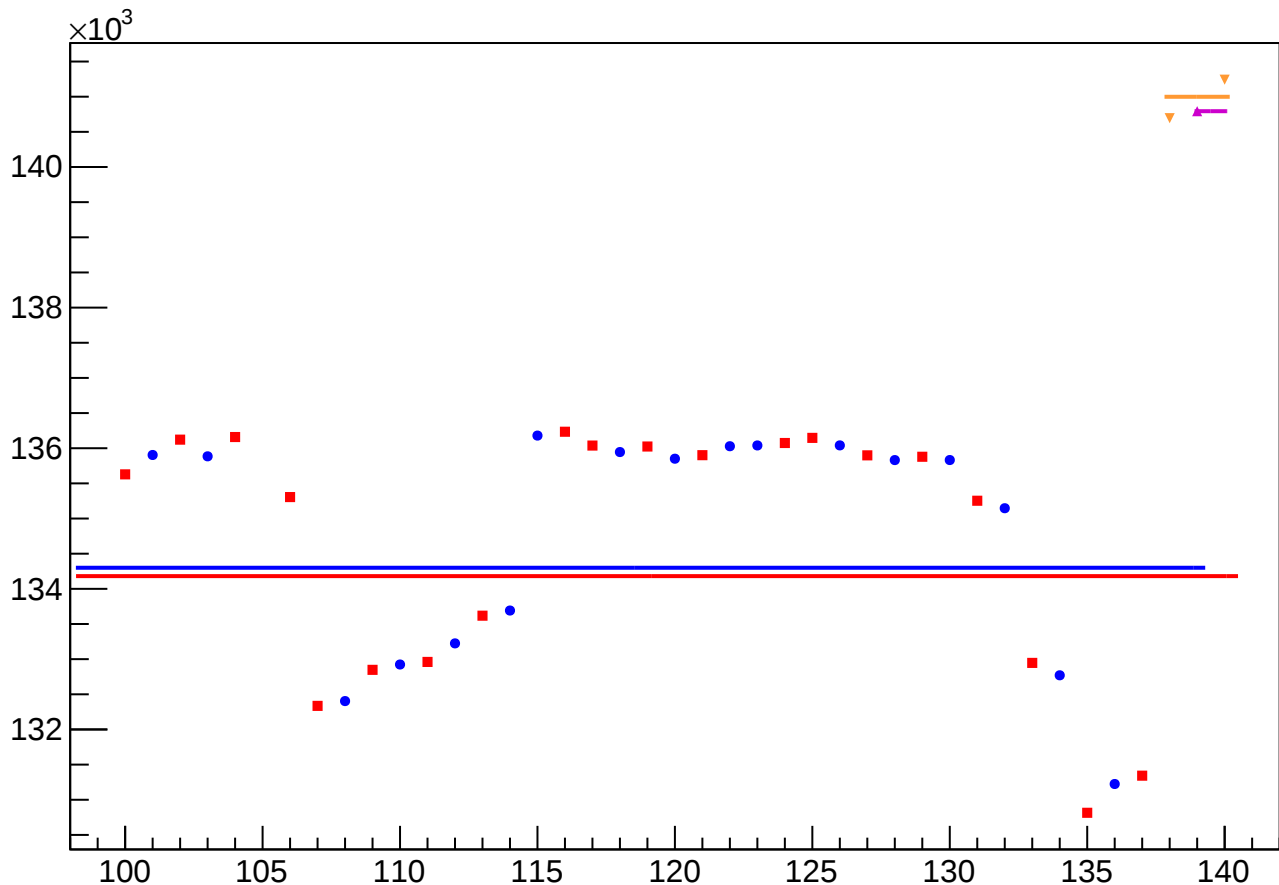
Left In: 175.628 $\pm$ 0.151 χ^2 /NDF: 0.0/0

161.400 $\pm$ 0.042 χ^2 /NDF: 1145311.7/18

158.012 $\pm$ 0.029 χ^2 /NDF: 2353534.6/39

154.722 $\pm$ 0.041 χ^2 /NDF: 1195308.8/20

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 140998.796 $\pm$ 0.135 χ^2 /NDF: 4056604.3/1

Right Out: 134180.888 $\pm$ 0.047 χ^2 /NDF: 1224202240.2/19

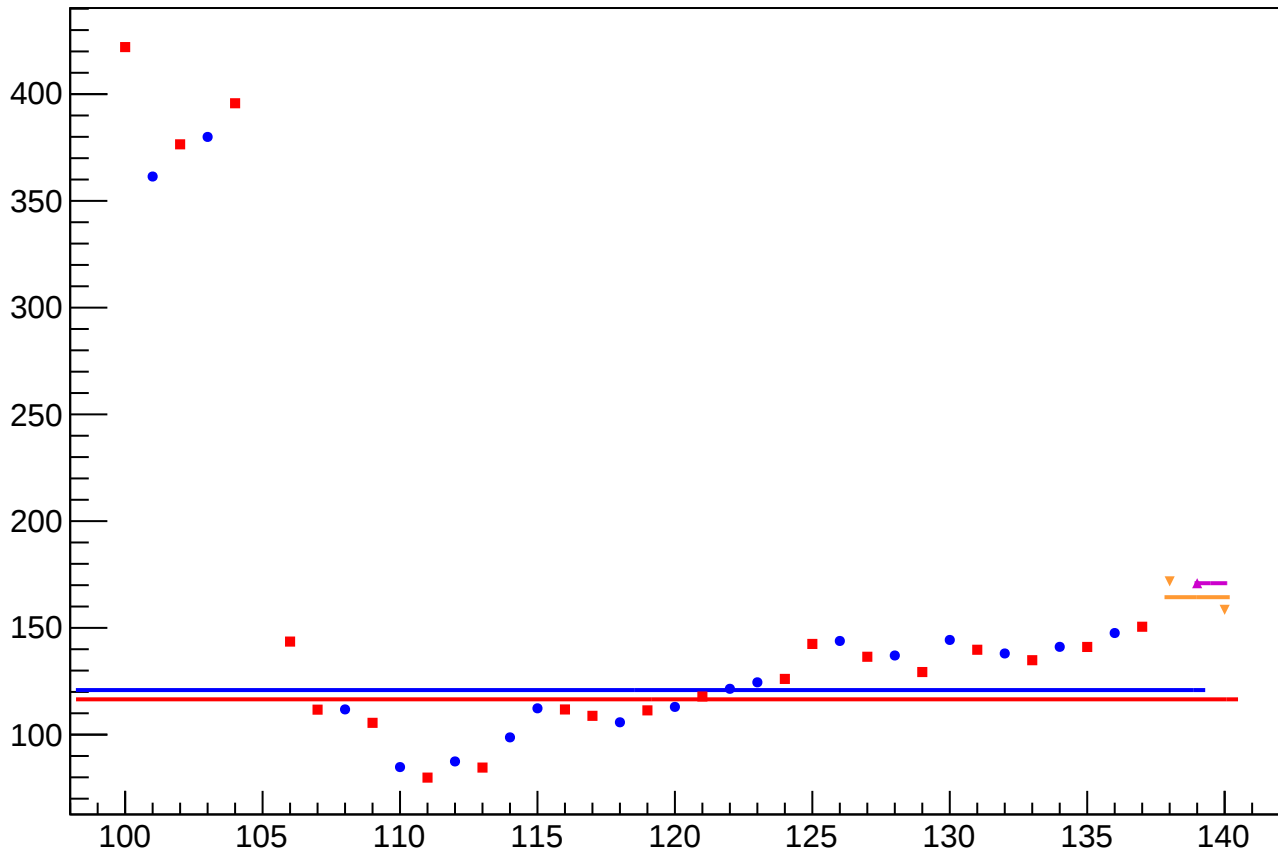
Left In: 140793.686 $\pm$ 0.208 χ^2 /NDF: 0.0/0

135117.041 $\pm$ 0.047 χ^2 /NDF: 3313179882.8/18

134803.489 $\pm$ 0.033 χ^2 /NDF: 558557546

134504.960 $\pm$ 0.046 χ^2 /NDF: 2186149000.5/20

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 164.377 $\pm$ 0.096 χ^2 /NDF: 4809.2/1

Right Out: 116.531 $\pm$ 0.033 χ^2 /NDF: 1541779.4/19

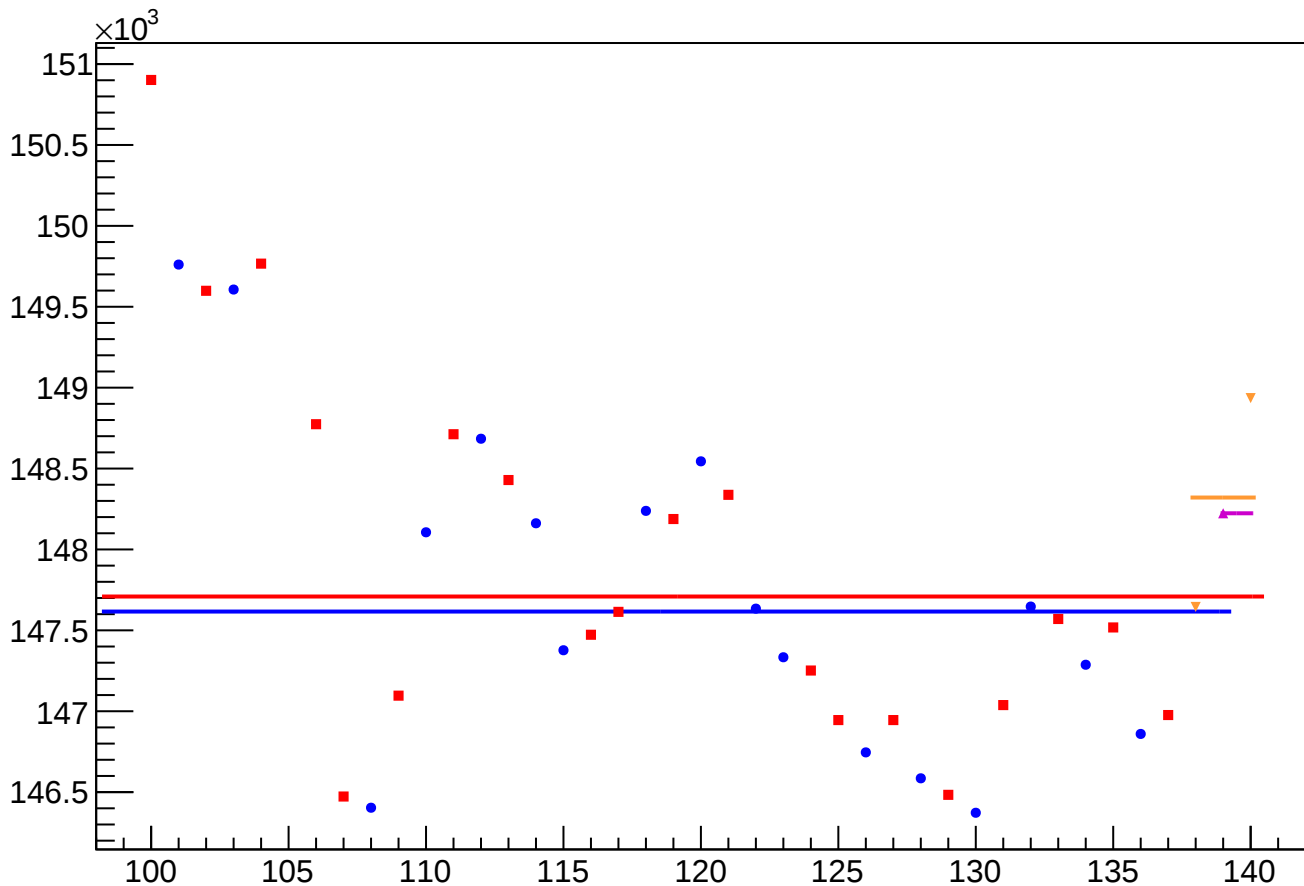
Left In: 170.924 $\pm$ 0.147 χ^2 /NDF: 0.0/0

126.179 $\pm$ 0.033 χ^2 /NDF: 1650706.0/18

122.602 $\pm$ 0.023 χ^2 /NDF: 3345095.5/39

119.197 $\pm$ 0.033 χ^2 /NDF: 1671946.1/20

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16

Left Out: 148320.858 $\pm$ 0.162 χ^2 /NDF: 15748205.5/1

Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

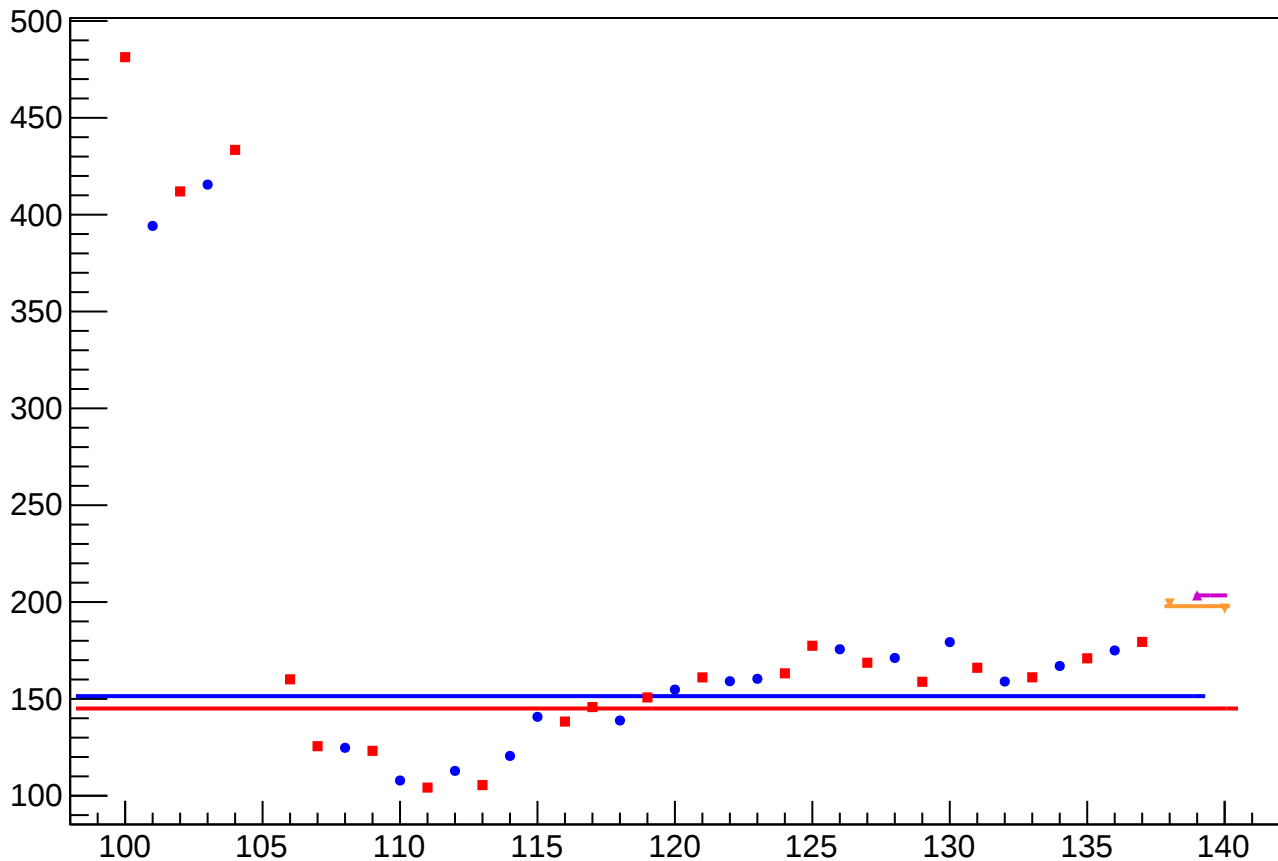
Left In: 148223.517 $\pm$ 0.247 χ^2 /NDF: 0.0/0

147706.975 $\pm$ 0.058 χ^2 /NDF: 231405557.4/18

147721.931 $\pm$ 0.041 χ^2 /NDF: 439554906.

147736.015 $\pm$ 0.057 χ^2 /NDF: 208021644.1/20

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 197.877+/-0.115 χ^2/NDF : 134.6/1

Right Out: 145.044+/-0.041 χ^2/NDF : 1375974.1/19

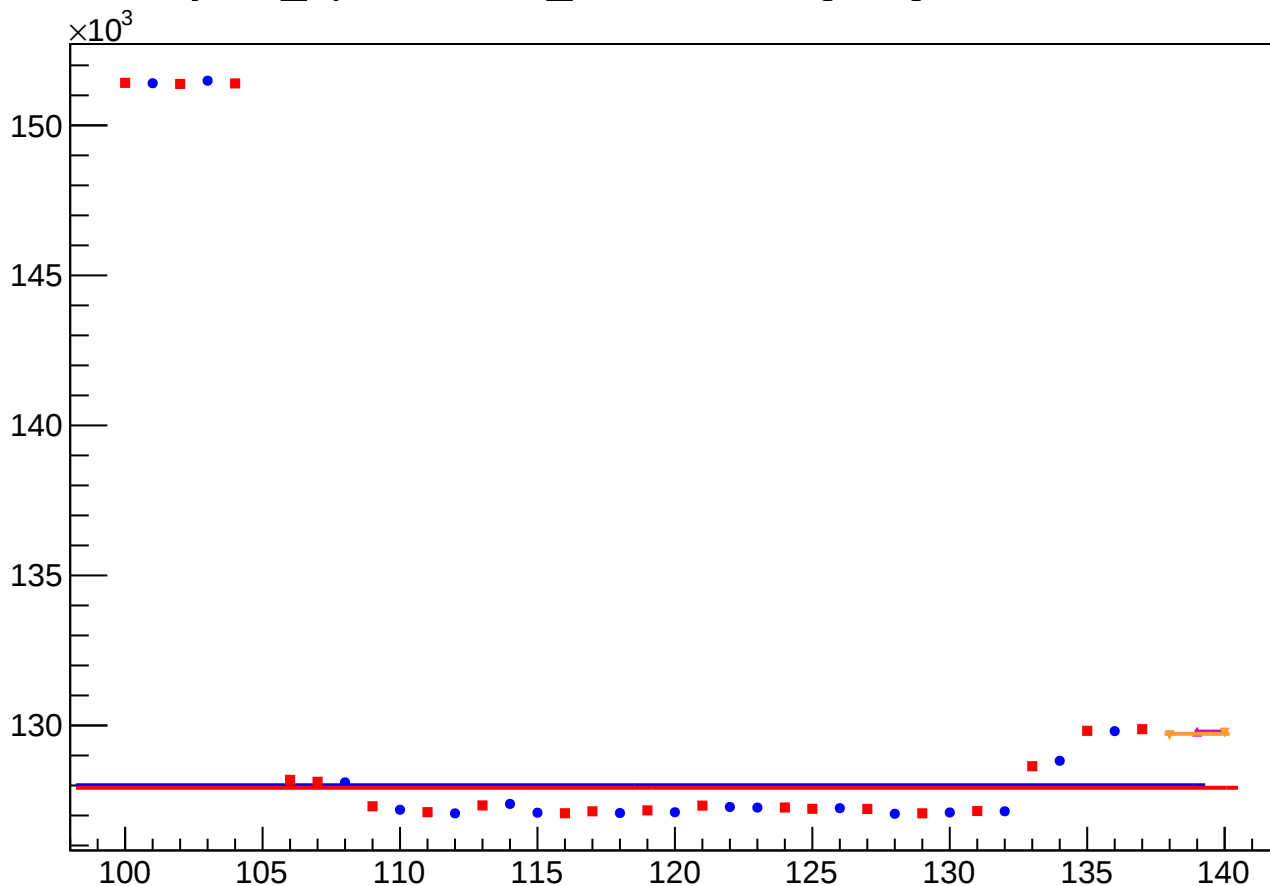
Left In: 203.428+/-0.175 χ^2/NDF : 0.0/0

157.411+/-0.041 χ^2/NDF : 1400448.2/18

152.615+/-0.029 χ^2/NDF : 2908240.2/39

148.099+/-0.040 χ^2/NDF : 1481531.8/20

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128007.364+/-0.054 χ^2/NDF : 4319785674.5/16

Left Out: 129722.128+/-0.138 χ^2/NDF : 90729.1/1

Right Out: 127923.940+/-0.050 χ^2/NDF : 3770107280.1/19

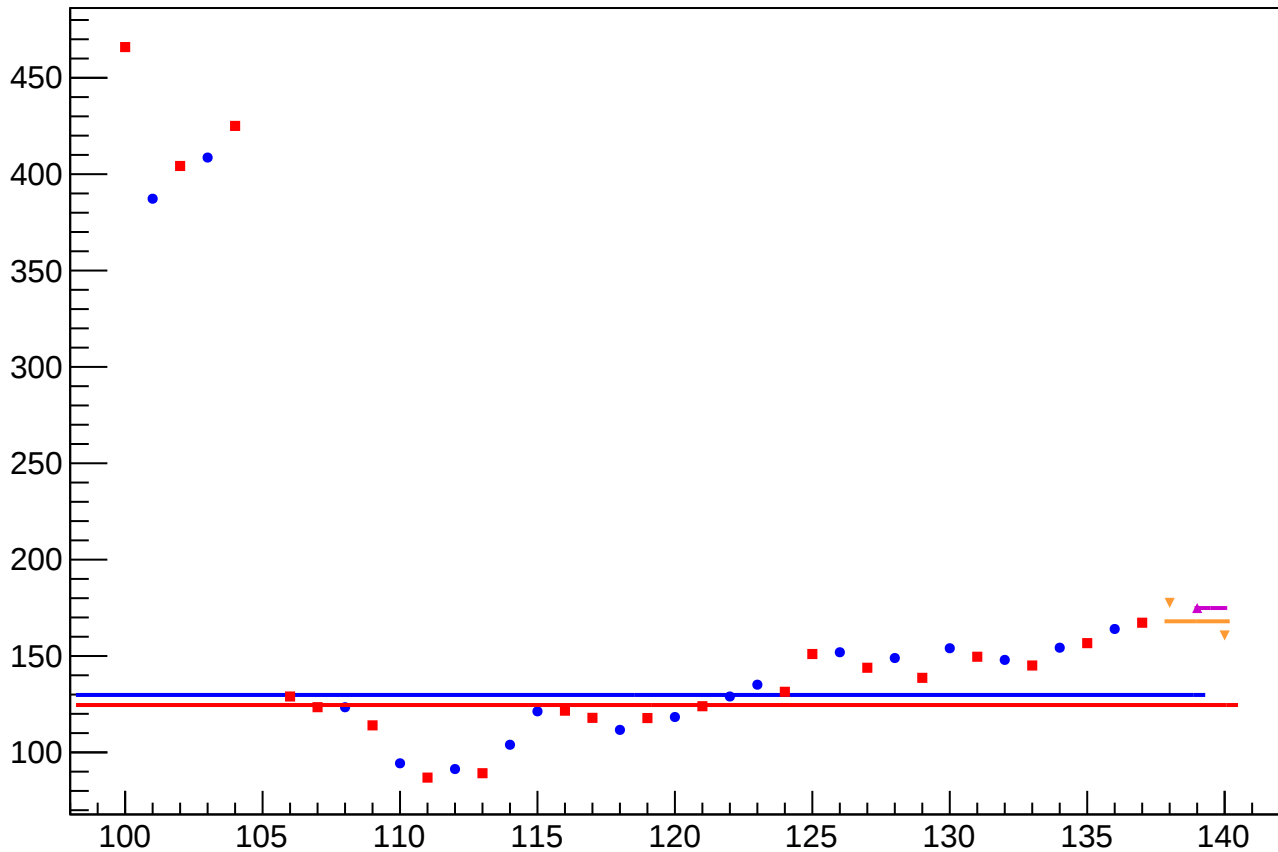
Left In: 129795.310+/-0.213 χ^2/NDF : 0.0/0

128235.722+/-0.050 χ^2/NDF : 4453550041.4/18

128125.829+/-0.035 χ^2/NDF : 830618204

128022.584+/-0.049 χ^2/NDF : 3843407977.6/20

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 168.009 $\pm$ 0.098 χ^2 /NDF: 7364.9/1

Right Out: 124.572 $\pm$ 0.035 χ^2 /NDF: 1532105.0/19

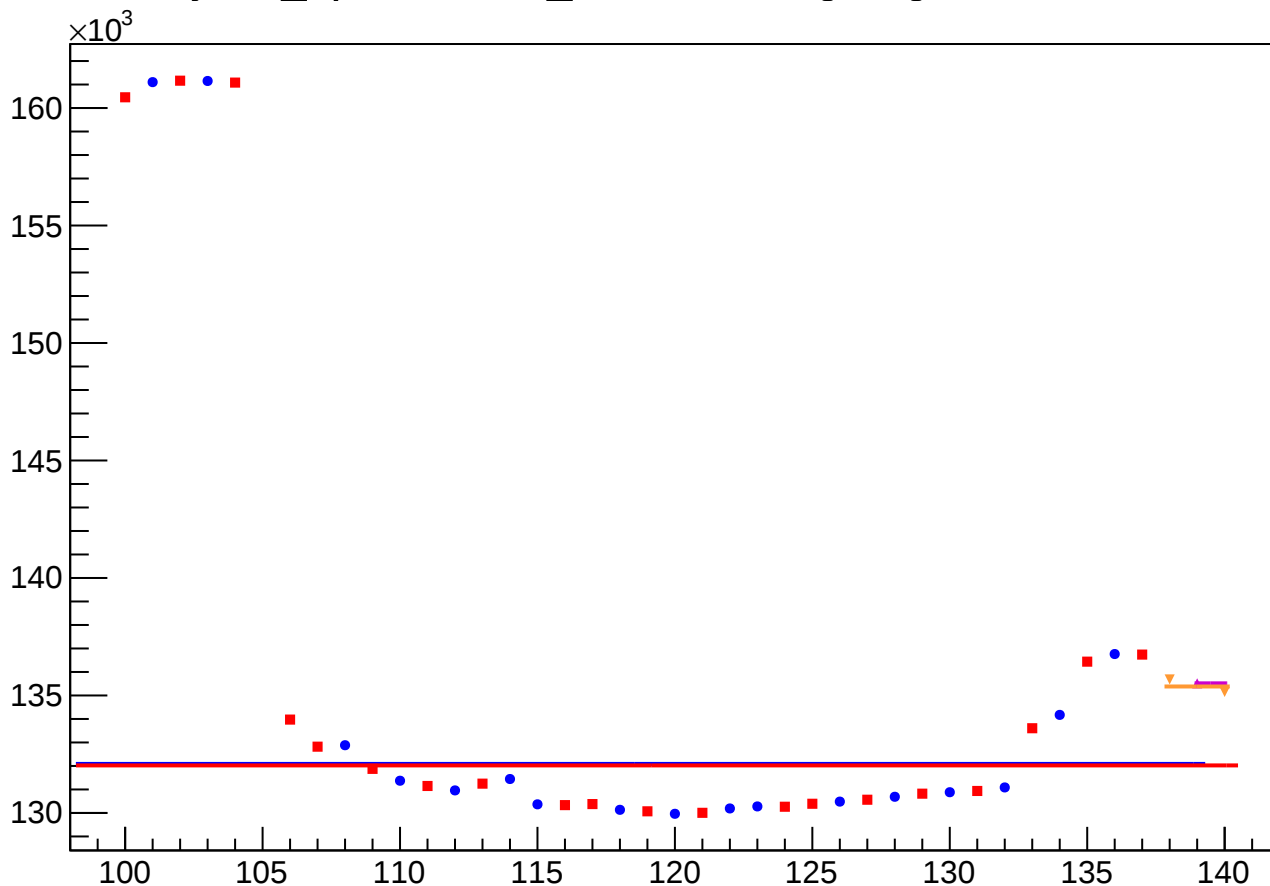
Left In: 174.898 $\pm$ 0.150 χ^2 /NDF: 0.0/0

134.885 $\pm$ 0.036 χ^2 /NDF: 1625427.4/18

130.935 $\pm$ 0.025 χ^2 /NDF: 3287386.2/39

127.225 $\pm$ 0.035 χ^2 /NDF: 1638130.0/20

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16

Left Out: 135382.257 $\pm$ 0.143 χ^2 /NDF: 3409032.1/1

Right Out: 132023.609 $\pm$ 0.052 χ^2 /NDF: 5890492527.2/19

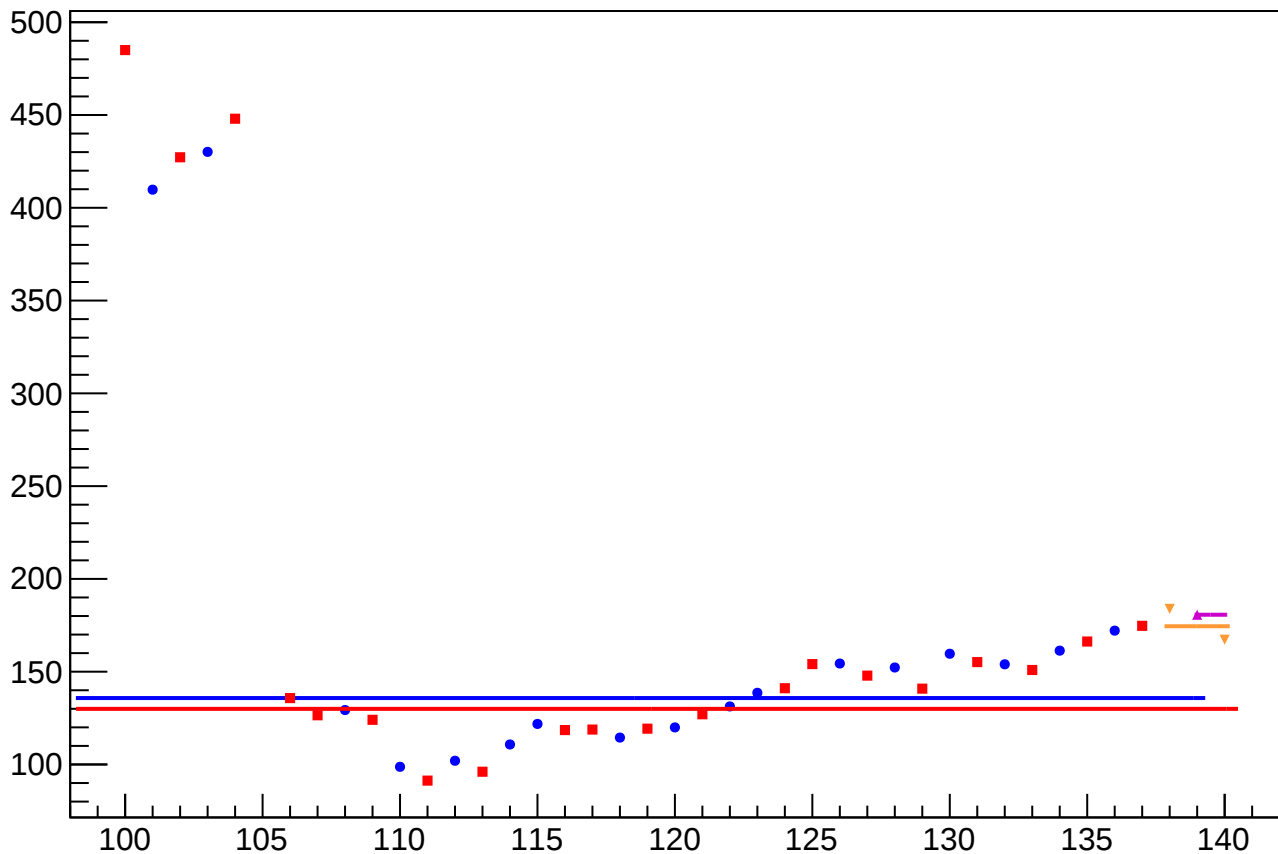
Left In: 135515.664 $\pm$ 0.220 χ^2 /NDF: 0.0/0

132530.173 $\pm$ 0.053 χ^2 /NDF: 7193946186.2/18

132365.219 $\pm$ 0.037 χ^2 /NDF: 133423237

132210.744 $\pm$ 0.051 χ^2 /NDF: 6129322723.9/20

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 174.489 $\pm$ 0.101 χ^2 /NDF: 6625.0/1

Right Out: 129.975 $\pm$ 0.037 χ^2 /NDF: 1504768.0/19

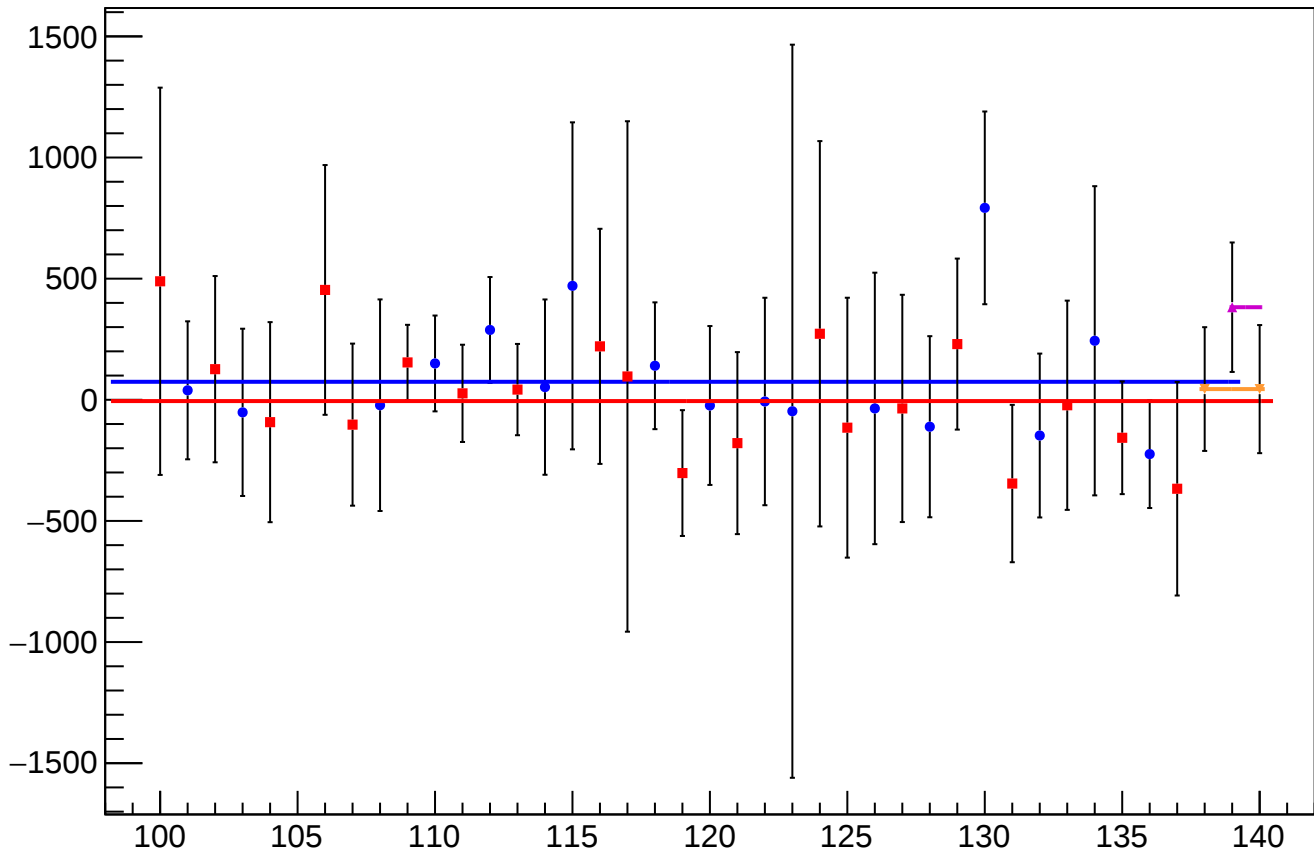
Left In: 180.689 $\pm$ 0.155 χ^2 /NDF: 0.0/0

141.002 $\pm$ 0.037 χ^2 /NDF: 1574614.4/18

136.711 $\pm$ 0.026 χ^2 /NDF: 3205914.0/39

132.693 $\pm$ 0.036 χ^2 /NDF: 1605511.9/20

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294 $\pm$ 79.018 χ^2/NDF : 7.7/16

Left Out: 44.200 $\pm$ 183.677 χ^2/NDF : 0.0/1

Right Out: -5.290 $\pm$ 69.914 χ^2/NDF : 7.1/19

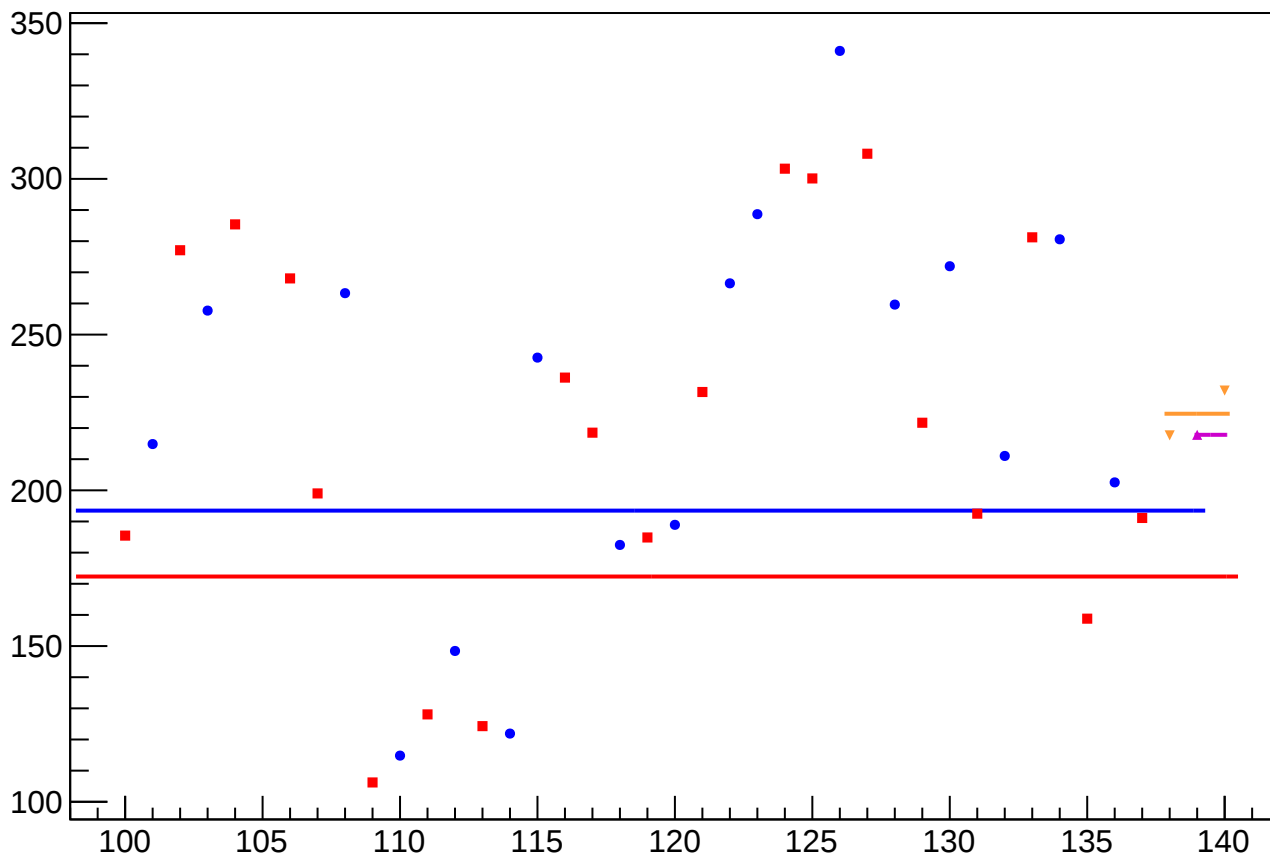
Left In: 382.144 $\pm$ 267.207 χ^2/NDF : 0.0/0

69.594 $\pm$ 72.586 χ^2/NDF : 7.7/18

42.800 $\pm$ 49.484 χ^2/NDF : 17.1/39

19.534 $\pm$ 67.637 χ^2/NDF : 9.1/20

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 224.592 $\pm$ 0.130 χ^2 /NDF:3061.9/1

Right Out: 172.327 $\pm$ 0.049 χ^2 /NDF: 1583701.4/19

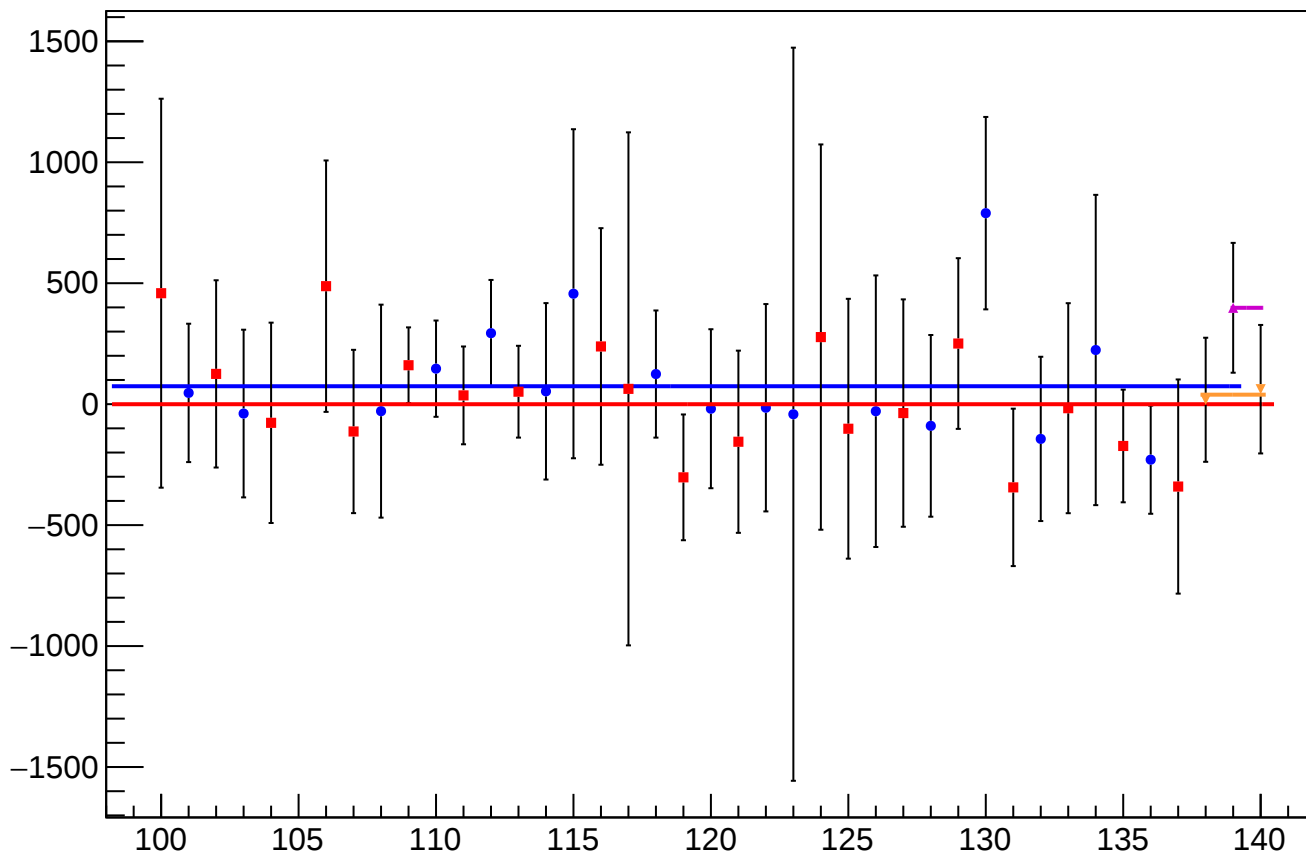
Left In: 217.825 $\pm$ 0.189 χ^2 /NDF:0.0/0

198.345 $\pm$ 0.051 χ^2 /NDF: 1068654.2/18

185.979 $\pm$ 0.035 χ^2 /NDF: 2815078.7/39

175.242 $\pm$ 0.048 χ^2 /NDF: 1637973.3/20

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 39.253+/-184.490 χ^2/NDF : 0.0/1

Right Out: -0.223+/-70.282 χ^2/NDF : 7.3/19

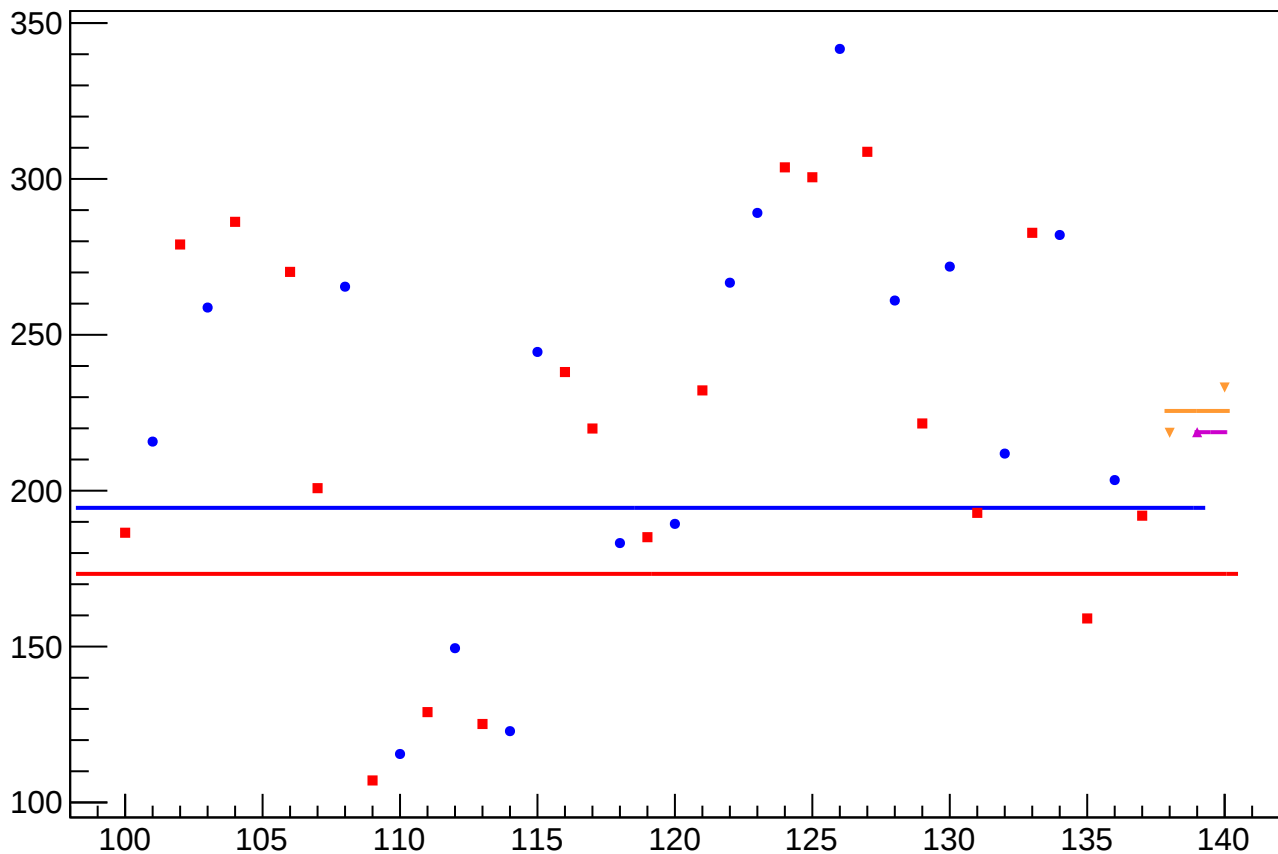
Left In: 398.347+/-268.367 χ^2/NDF : 0.0/0

68.652+/-72.935 χ^2/NDF : 7.6/18

45.488+/-49.732 χ^2/NDF : 17.2/39

25.359+/-67.989 χ^2/NDF : 9.4/20

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.496 ± 0.056 χ^2/NDF : 1008514.7/16

Left Out: 225.581 ± 0.130 χ^2/NDF : 3094.2/1

Right Out: 173.317 ± 0.050 χ^2/NDF : 1571258.4/19

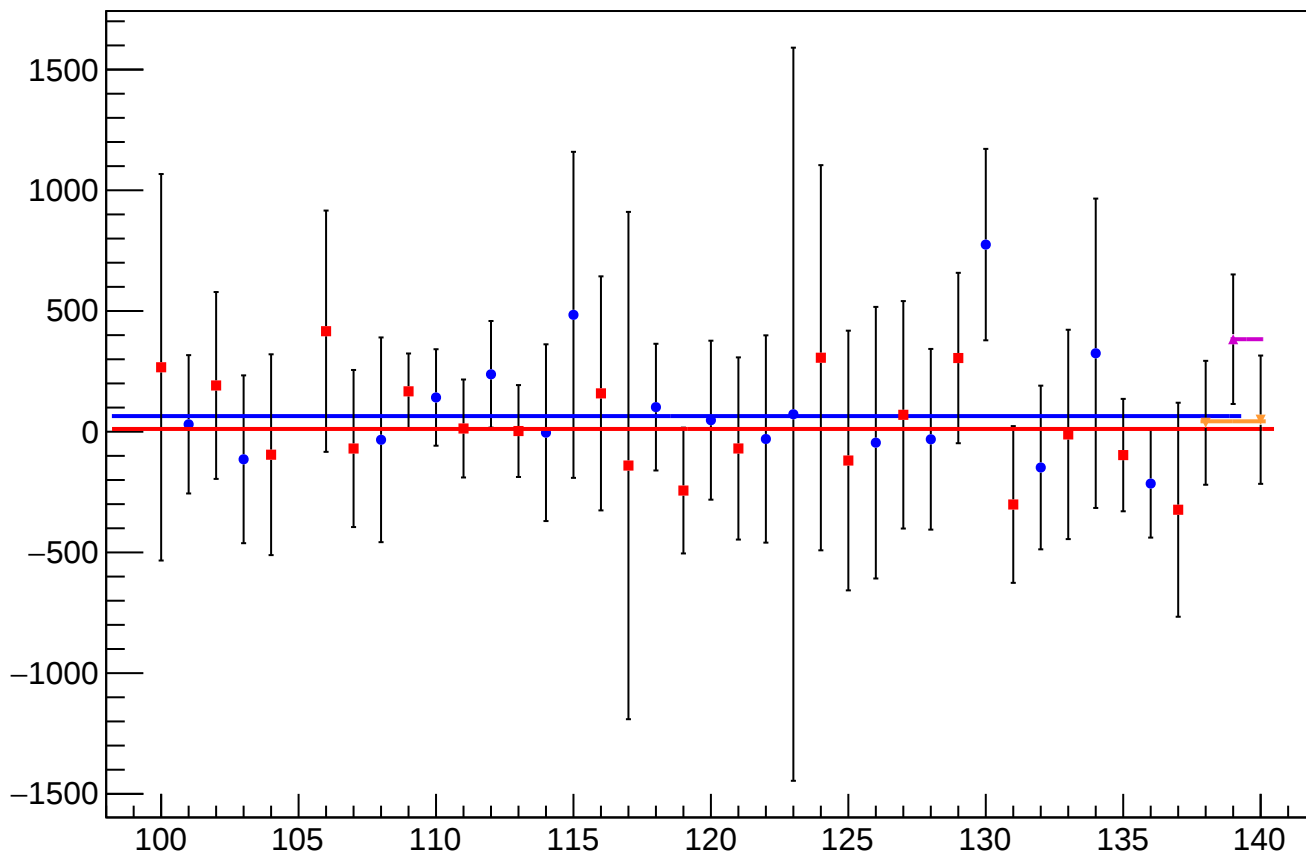
Left In: 218.769 ± 0.190 χ^2/NDF : 0.0/0

199.355 ± 0.052 χ^2/NDF : 1059511.6/18

186.984 ± 0.035 χ^2/NDF : 2791989.1/39

176.234 ± 0.048 χ^2/NDF : 1624944.4/20

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 64.733+/-79.399 χ^2/NDF : 7.0/16

Left Out: 43.125+/-184.599 χ^2/NDF : 0.0/1

Right Out: 11.414+/-70.204 χ^2/NDF : 5.8/19

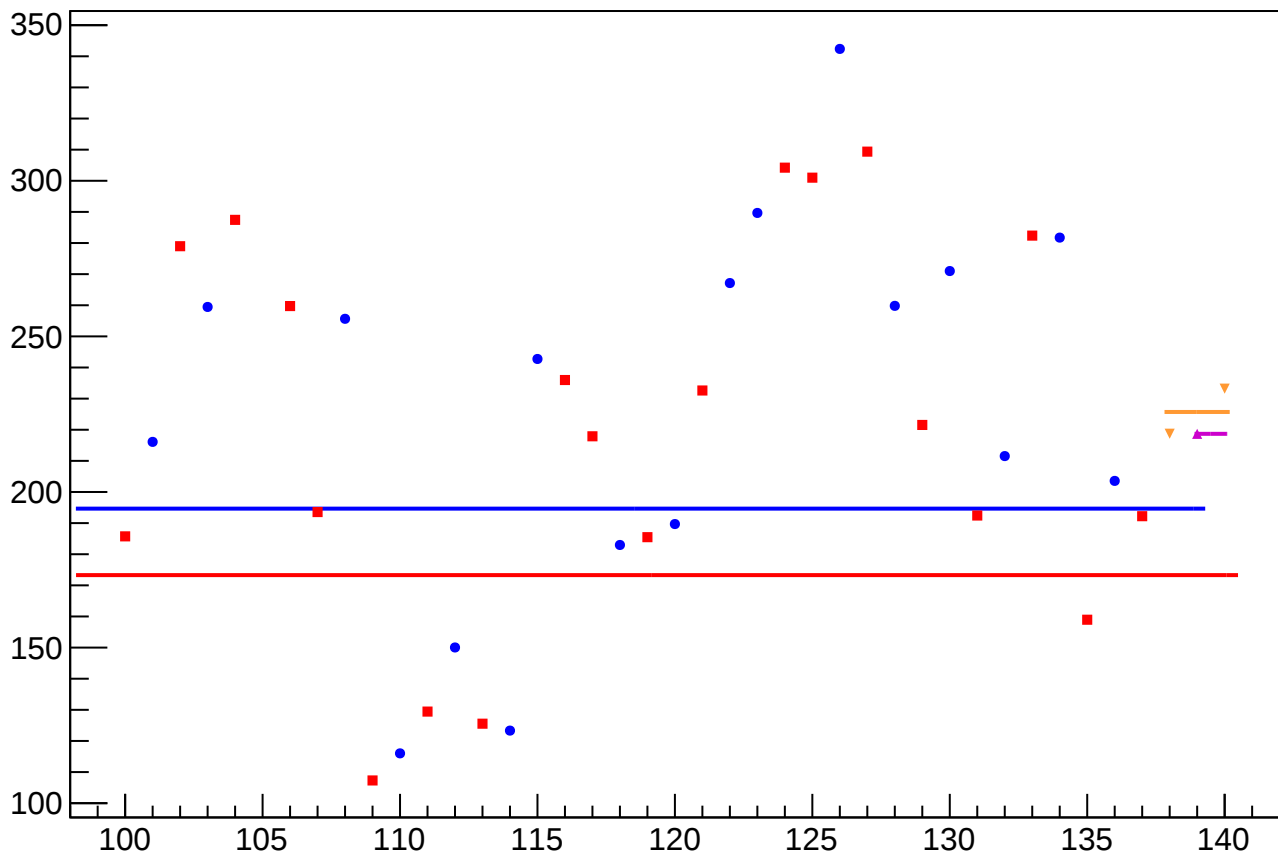
Left In: 383.158+/-268.264 χ^2/NDF : 0.0/0

61.359+/-72.938 χ^2/NDF : 7.0/18

47.370+/-49.705 χ^2/NDF : 14.7/39

35.241+/-67.916 χ^2/NDF : 7.6/20

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 225.713 $\pm$ 0.131 χ^2 /NDF: 3073.3/1

Right Out: 173.289 $\pm$ 0.050 χ^2 /NDF: 1548162.6/19

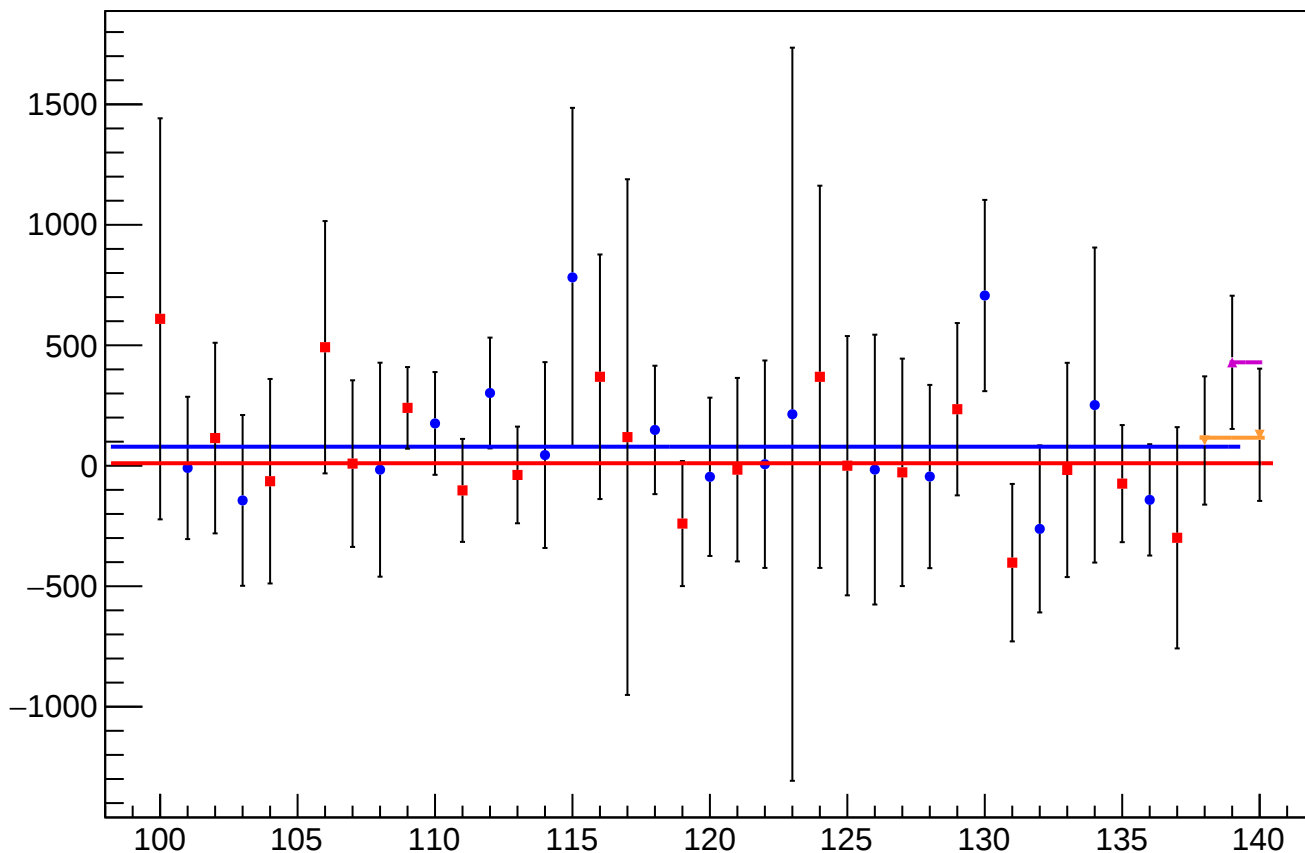
Left In: 218.687 $\pm$ 0.190 χ^2 /NDF: 0.0/0

199.501 $\pm$ 0.052 χ^2 /NDF: 1037657.6/18

187.020 $\pm$ 0.035 χ^2 /NDF: 2748762.7/39

176.199 $\pm$ 0.048 χ^2 /NDF: 1601768.5/20

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 116.402 $\pm$ 191.078 χ^2 /NDF: 0.0/1

Right Out: 10.491 $\pm$ 73.139 χ^2 /NDF: 7.9/19

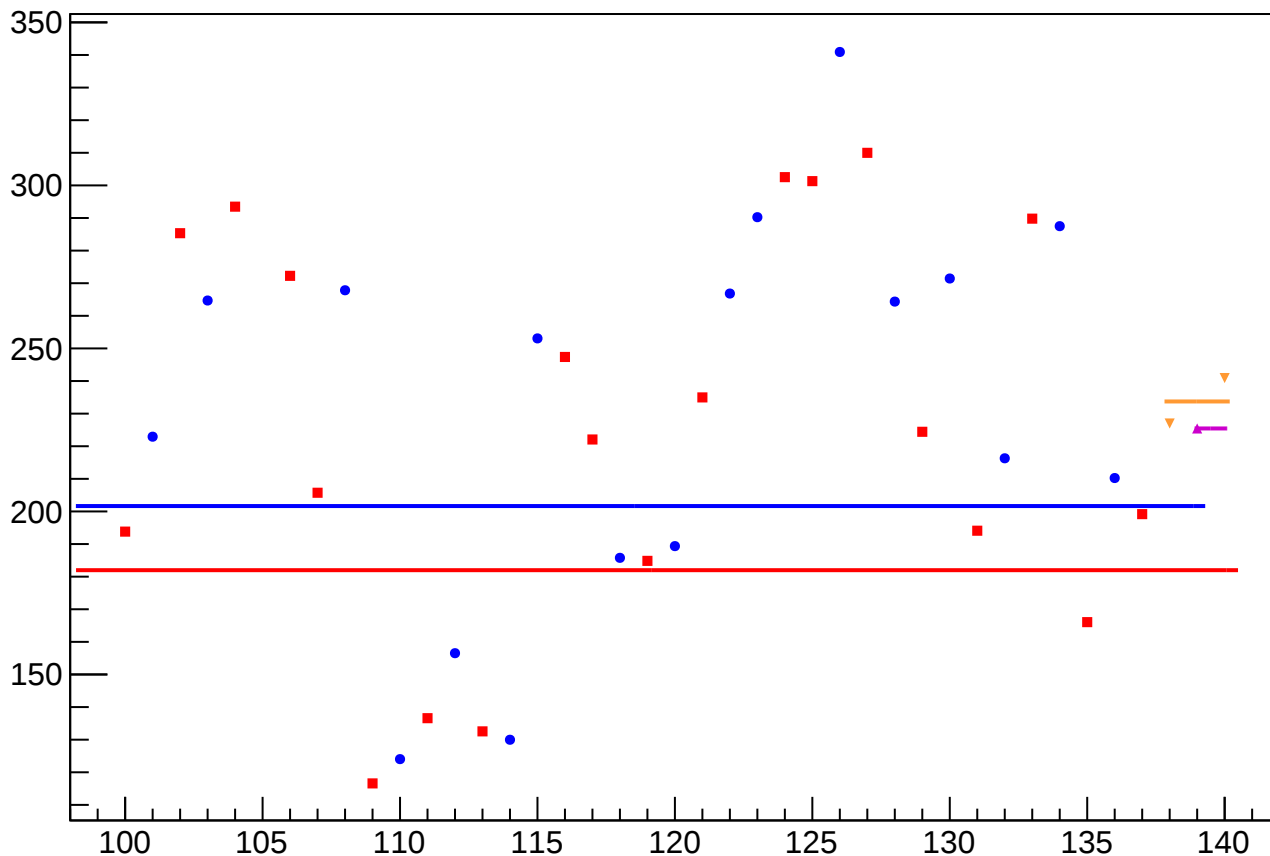
Left In: 429.289 $\pm$ 276.465 χ^2 /NDF: 0.0/0

84.910 $\pm$ 75.257 χ^2 /NDF: 7.6/18

59.933 $\pm$ 51.531 χ^2 /NDF: 17.8/39

37.884 $\pm$ 70.706 χ^2 /NDF: 10.0/20

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 233.731 $\pm$ 0.135 χ^2 /NDF:2657.9/1

Right Out: 181.986 $\pm$ 0.052 χ^2 /NDF: 1380269.0/19

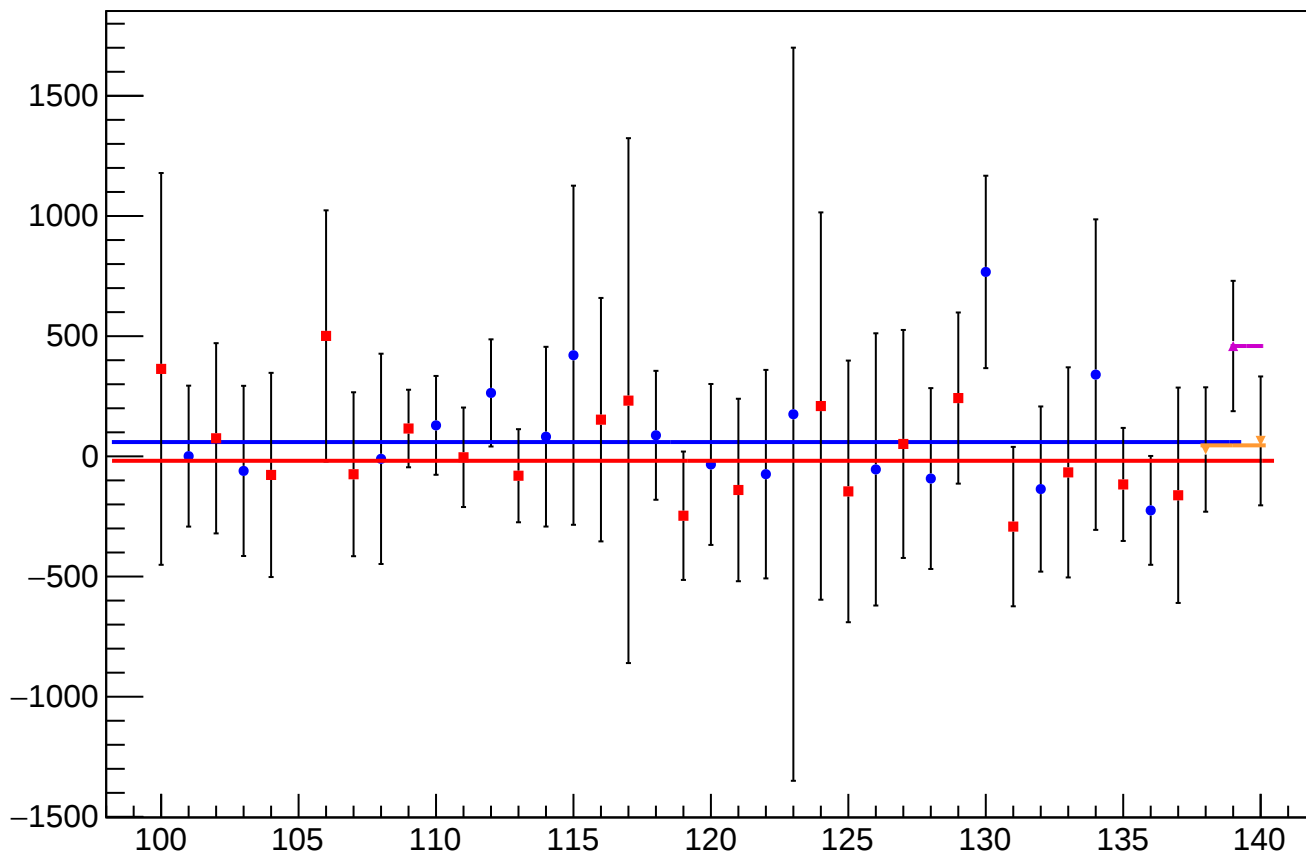
Left In: 225.451 $\pm$ 0.195 χ^2 /NDF:0.0/0

206.630 $\pm$ 0.053 χ^2 /NDF: 933456.7/18

195.050 $\pm$ 0.036 χ^2 /NDF: 2449078.2/39

184.829 $\pm$ 0.050 χ^2 /NDF: 1426471.4/20

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 45.792 $\pm$ 186.216 χ^2 /NDF: 0.0/1

Right Out: -18.457 $\pm$ 71.711 χ^2 /NDF: 4.8/19

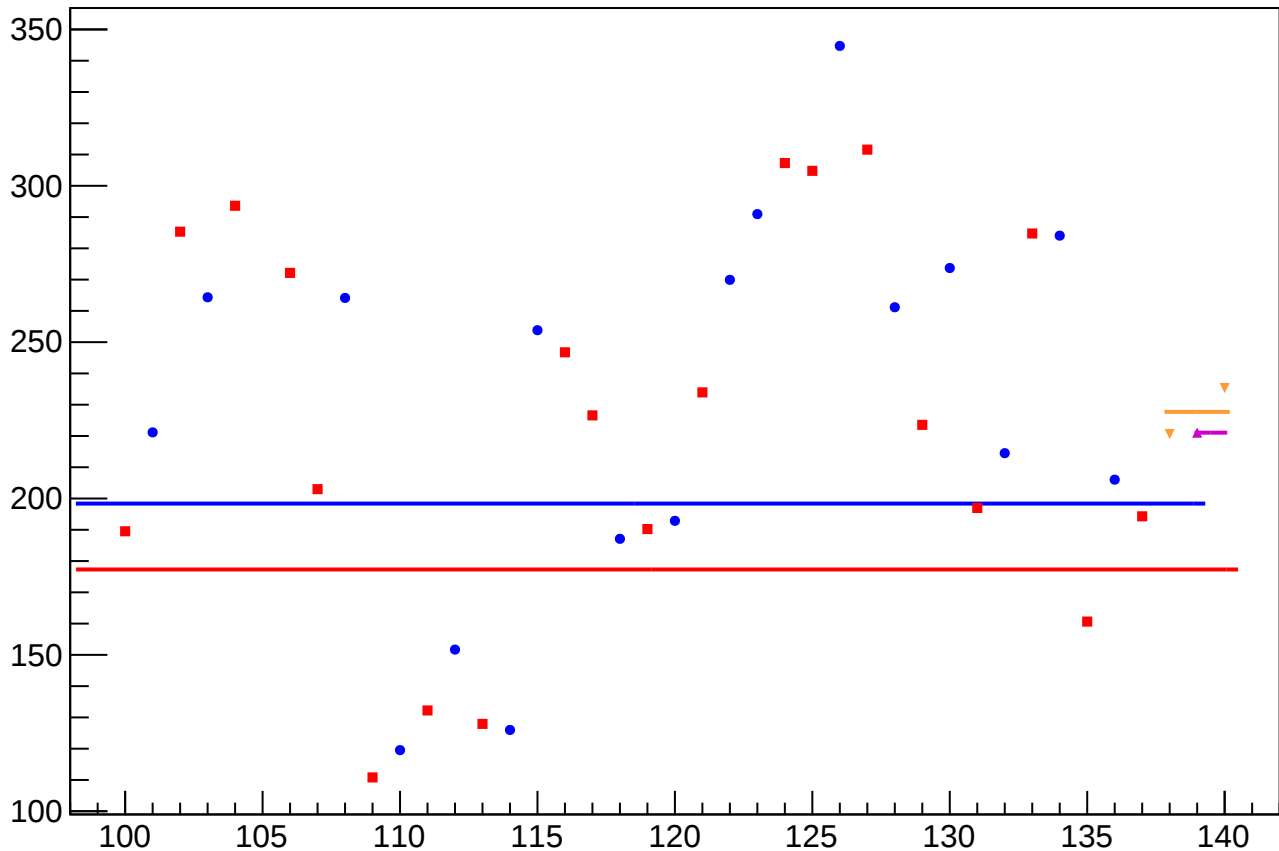
Left In: 459.077 $\pm$ 271.160 χ^2 /NDF: 0.0/0

57.324 $\pm$ 74.130 χ^2 /NDF: 7.0/18

33.551 $\pm$ 50.635 χ^2 /NDF: 14.9/39

12.758 $\pm$ 69.328 χ^2 /NDF: 7.7/20

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 227.706 $\pm$ 0.132 χ^2 /NDF:3121.3/1

Right Out: 177.309 $\pm$ 0.051 χ^2 /NDF: 1528855.2/19

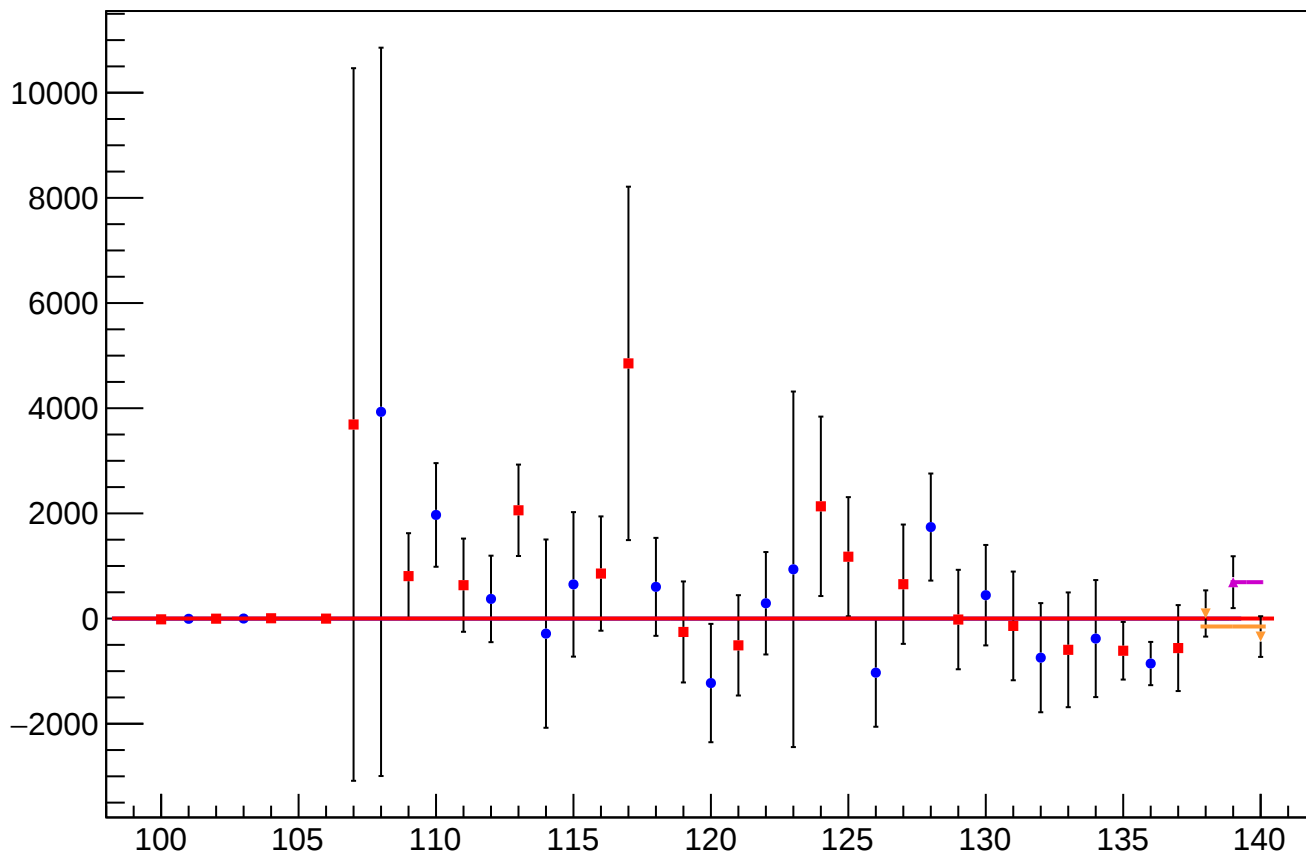
Left In: 221.060 $\pm$ 0.192 χ^2 /NDF:0.0/0

203.026 $\pm$ 0.052 χ^2 /NDF: 1008540.7/18

190.833 $\pm$ 0.036 χ^2 /NDF: 2687484.5/39

180.169 $\pm$ 0.049 χ^2 /NDF: 1577517.2/20

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -150.852 ± 290.332 χ^2/NDF : 0.6/1

Right Out: 0.728 ± 2.111 χ^2/NDF : 21.4/19

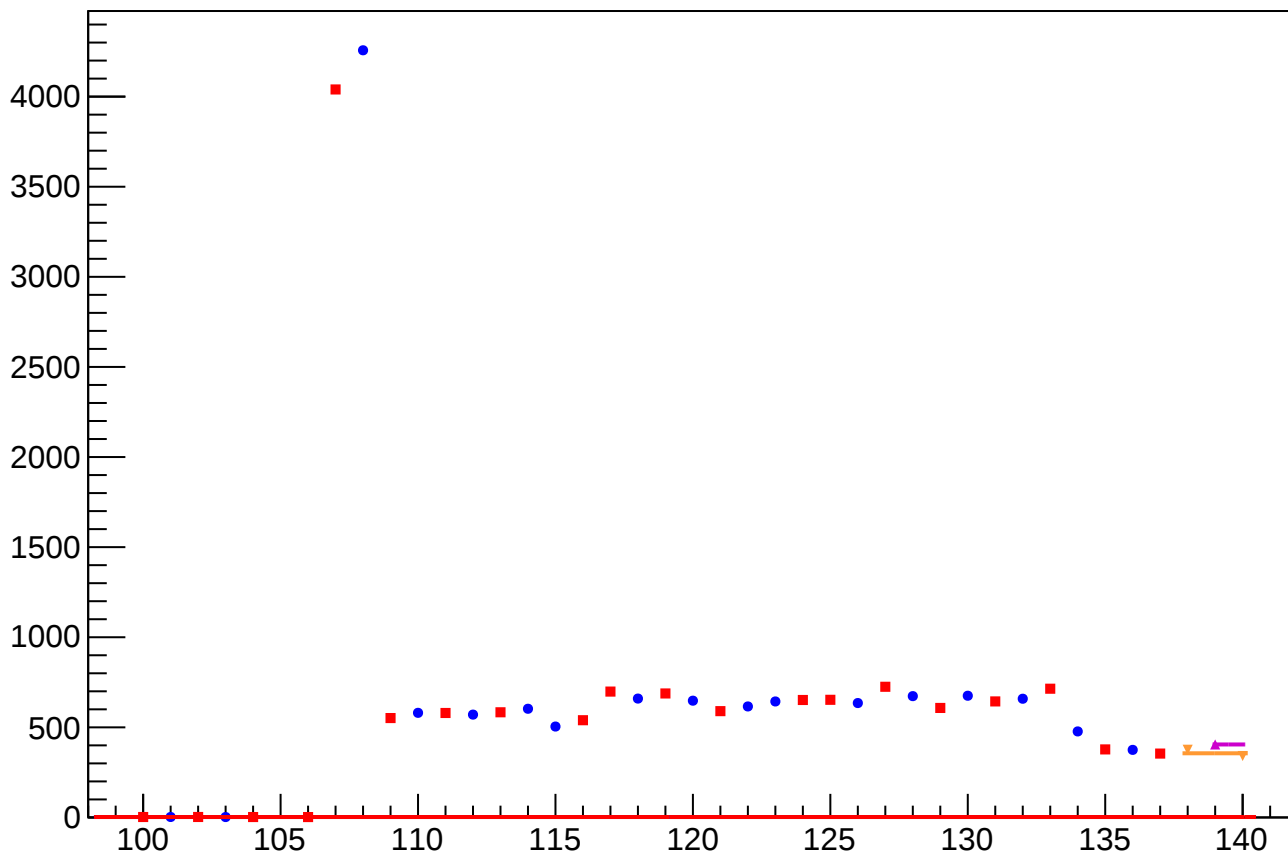
Left In: 692.043 ± 493.146 χ^2/NDF : 0.0/0

-1.538 ± 2.251 χ^2/NDF : 17.8/18

-0.325 ± 1.540 χ^2/NDF : 41.7/39

0.741 ± 2.111 χ^2/NDF : 23.4/20

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 356.089+/-0.205 χ^2/NDF : 7078.2/1

Right Out: 2.437+/-0.001 χ^2/NDF : 11233207.9/19

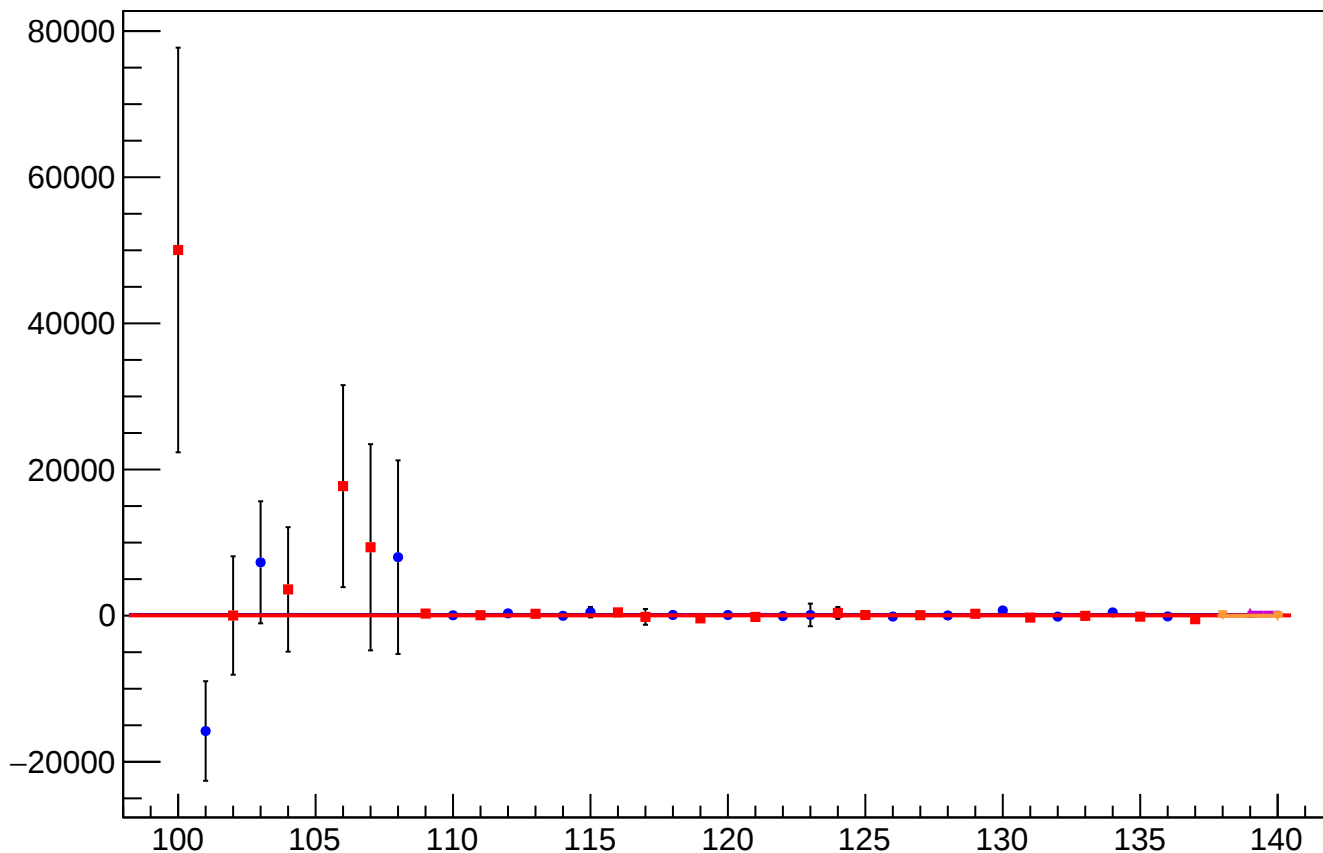
Left In: 405.036+/-0.349 χ^2/NDF : 0.0/0

2.478+/-0.002 χ^2/NDF : 13821878.7/18

2.460+/-0.001 χ^2/NDF : 26388278.3/39

2.444+/-0.001 χ^2/NDF : 12566163.5/20

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -12.785+/-184.570 χ^2/NDF : 0.1/1

Right Out: 41.024+/-84.237 χ^2/NDF : 13.9/19

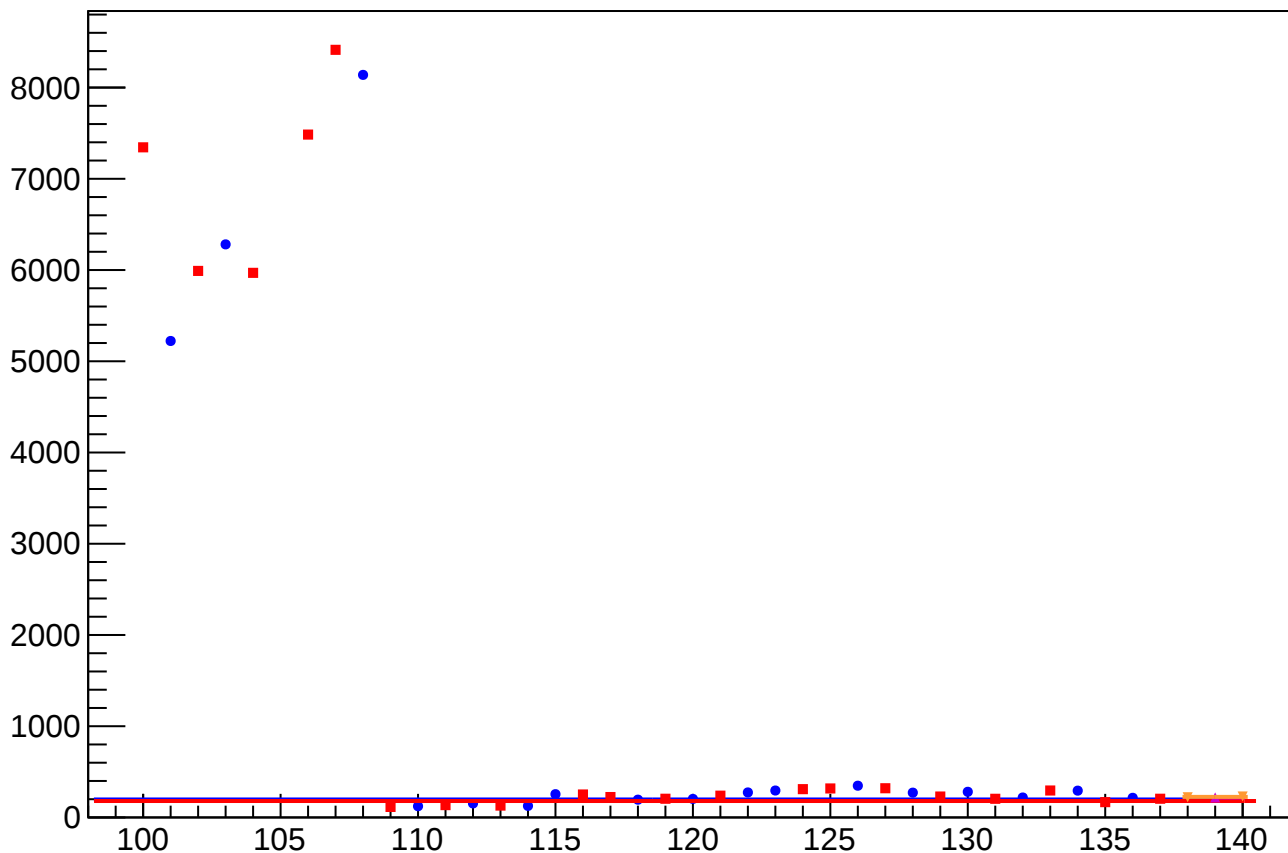
Left In: 404.749+/-269.296 χ^2/NDF : 0.0/0

76.907+/-81.518 χ^2/NDF : 12.3/18

75.150+/-57.241 χ^2/NDF : 27.9/39

73.441+/-80.396 χ^2/NDF : 15.6/20

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 225.412+/-0.131 χ^2/NDF :1065.0/1

Right Out: 180.217+/-0.060 χ^2/NDF : 4324457.3/19

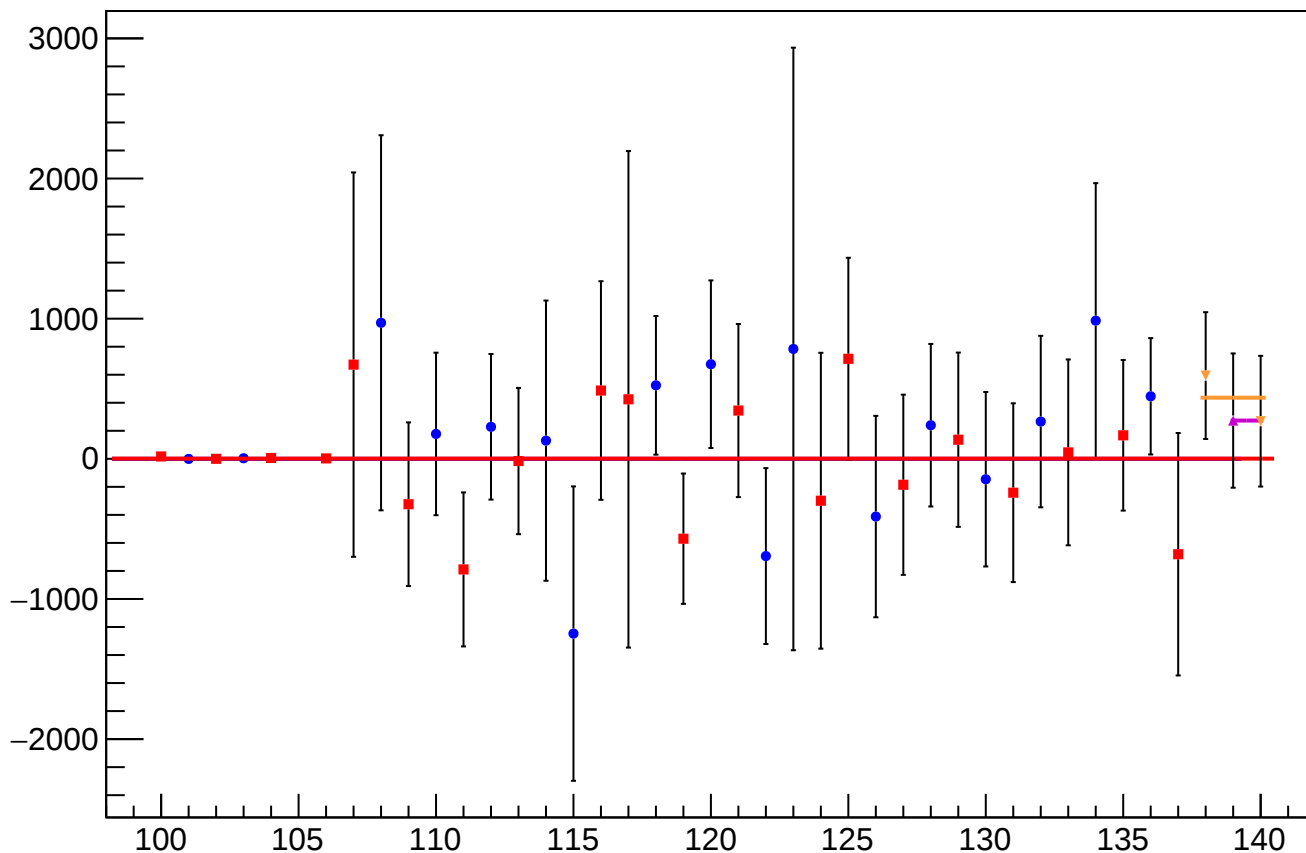
Left In: 219.155+/-0.190 χ^2/NDF :0.0/0

202.611+/-0.058 χ^2/NDF : 3732597.3/18

193.018+/-0.040 χ^2/NDF : 8149777.5/39

183.687+/-0.057 χ^2/NDF : 4362543.4/20

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 436.225 ± 324.661 χ^2/NDF : 0.3/1

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.7/19

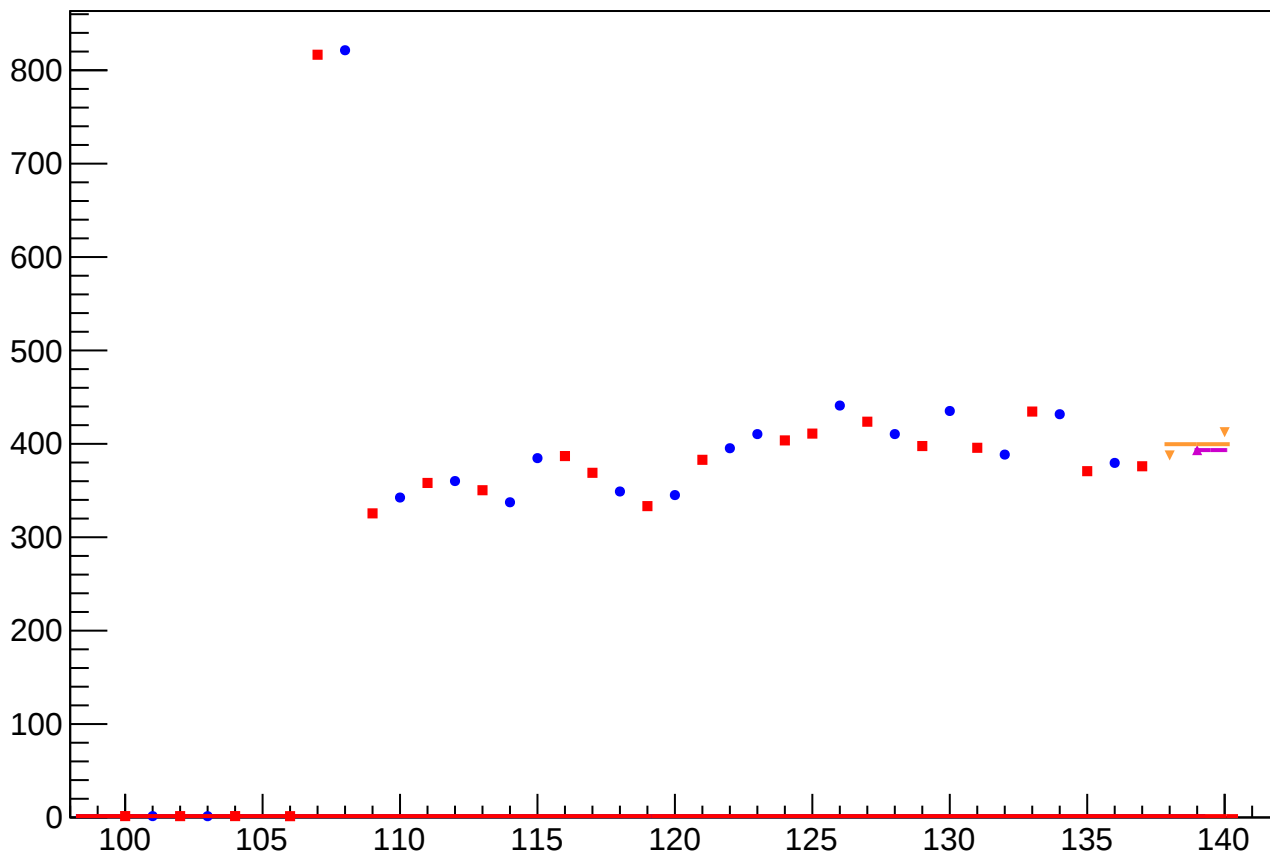
Left In: 272.932 ± 479.000 χ^2/NDF : 0.0/0

-0.126 ± 1.737 χ^2/NDF : 11.8/18

0.650 ± 1.186 χ^2/NDF : 22.2/39

1.327 ± 1.623 χ^2/NDF : 10.0/20

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 399.637+/-0.230 χ^2/NDF : 2931.3/1

Right Out: 1.451+/-0.001 χ^2/NDF : 10966832.6/19

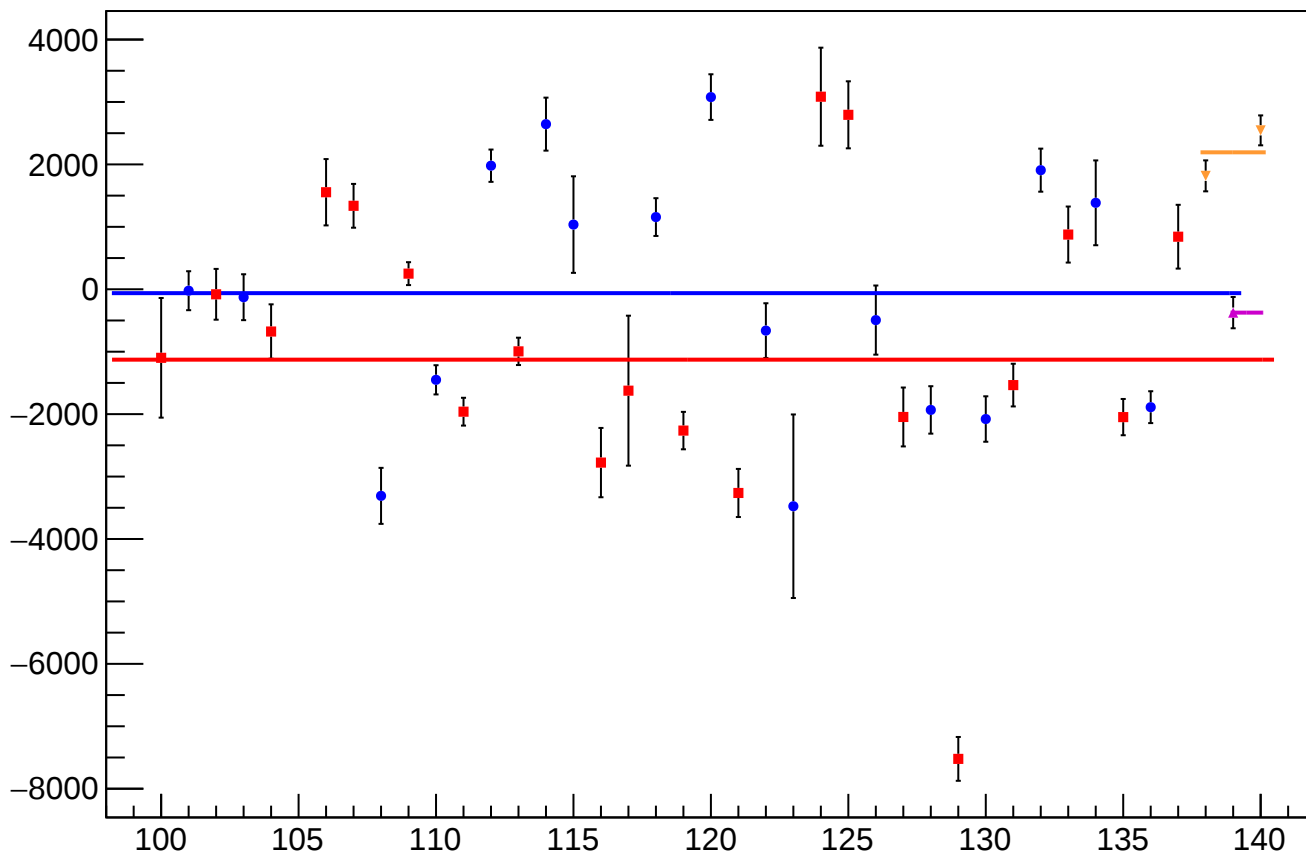
Left In: 393.316+/-0.339 χ^2/NDF : 0.0/0

1.464+/-0.001 χ^2/NDF : 13969259.1/18

1.460+/-0.001 χ^2/NDF : 26274644.9/39

1.456+/-0.001 χ^2/NDF : 12305361.1/20

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 2193.460 ± 172.351 χ^2/NDF : 4.5/1

Right Out: -1127.552 ± 78.203 χ^2/NDF : 671.4/19

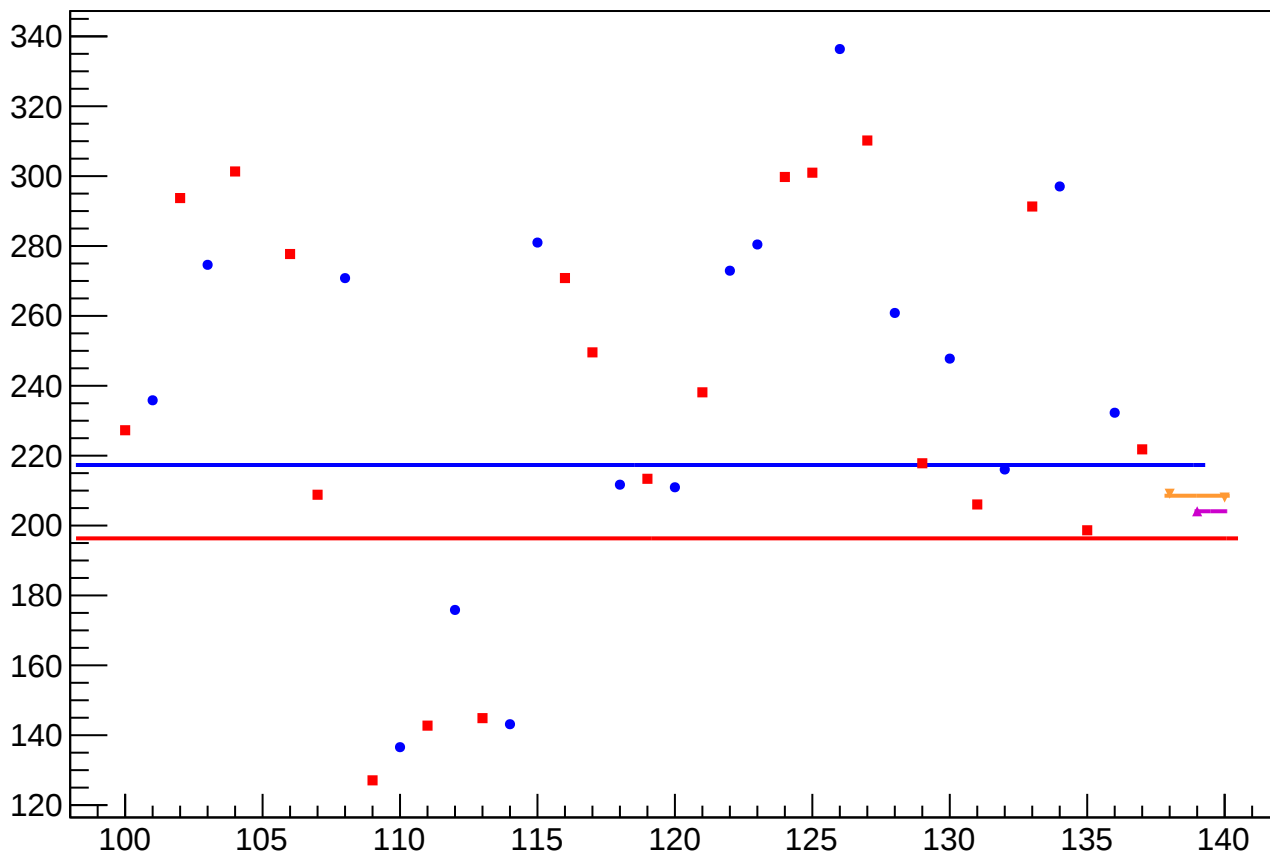
Left In: -374.164 ± 250.662 χ^2/NDF : 0.0/0

399.430 ± 77.967 χ^2/NDF : 574.6/18

-362.325 ± 53.922 χ^2/NDF : 1437.2/39

-1060.725 ± 74.654 χ^2/NDF : 679.6/20

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 208.539 $\pm$ 0.122 χ^2 /NDF:20.2/1

Right Out: 196.332 $\pm$ 0.055 χ^2 /NDF: 1194678.0/19

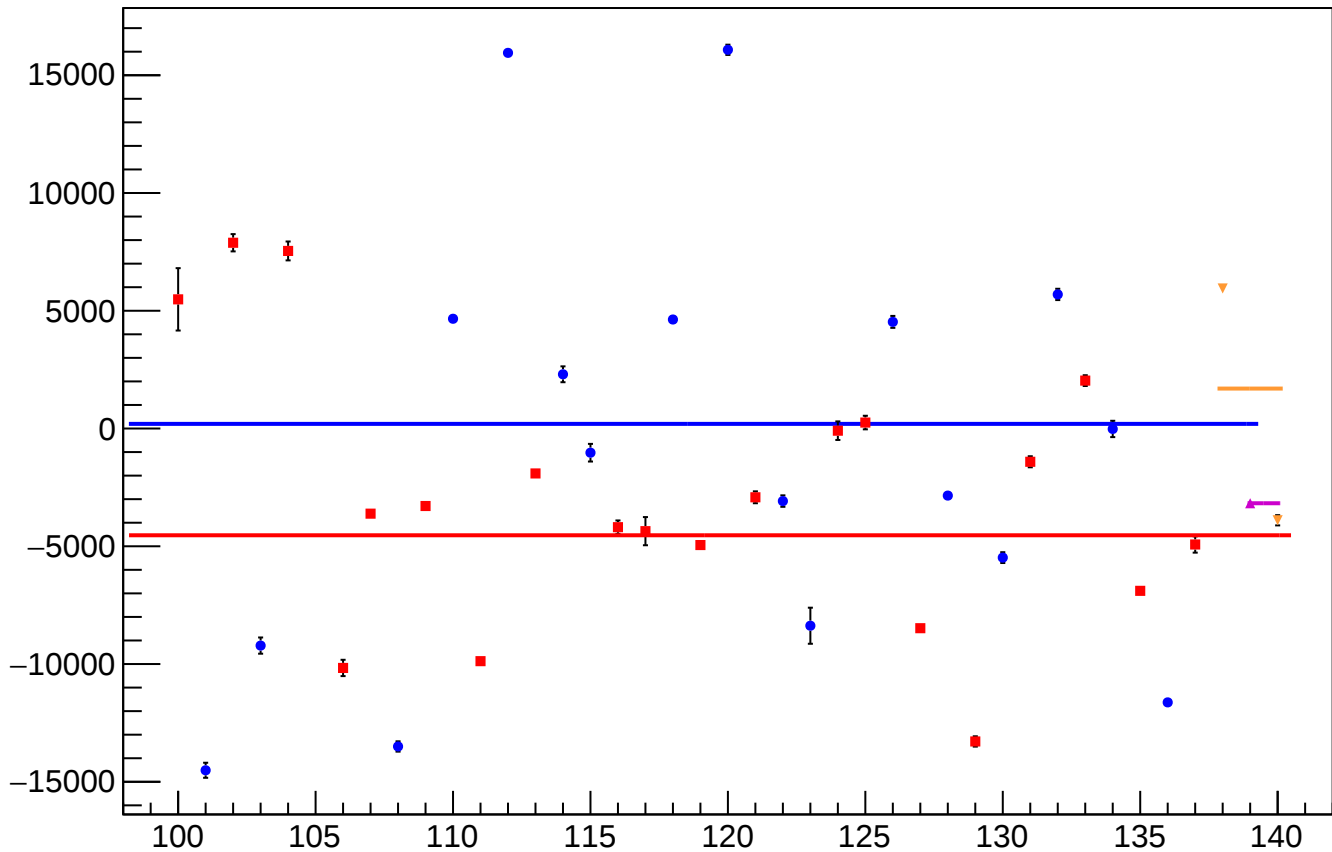
Left In: 204.087 $\pm$ 0.177 χ^2 /NDF:0.0/0

215.531 $\pm$ 0.055 χ^2 /NDF: 656881.4/18

205.874 $\pm$ 0.038 χ^2 /NDF: 1912119.4/39

197.020 $\pm$ 0.053 χ^2 /NDF: 1196422.6/20

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: 1696.175+/-142.948 χ^2/NDF : 1163.2/1

Right Out: -4532.856+/-52.261 χ^2/NDF : 7477.3/19

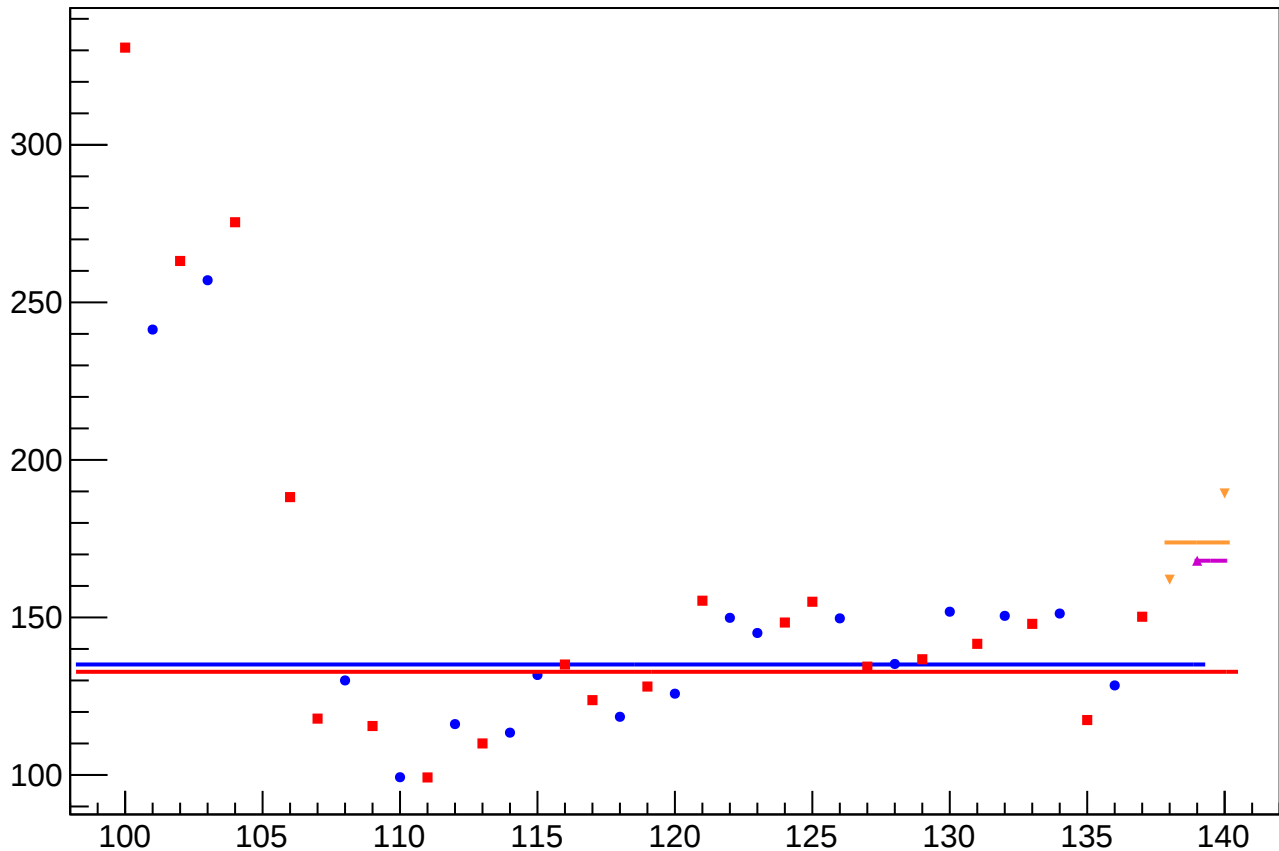
Left In: -3173.321+/-206.324 χ^2/NDF : 0.0/0

389.089+/-51.168 χ^2/NDF : 31917.4/18

-2054.977+/-36.001 χ^2/NDF : 43953.7/39

-4450.888+/-50.661 χ^2/NDF : 7518.1/20

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 173.801 $\pm$ 0.101 χ^2 /NDF: 17987.1/1

Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

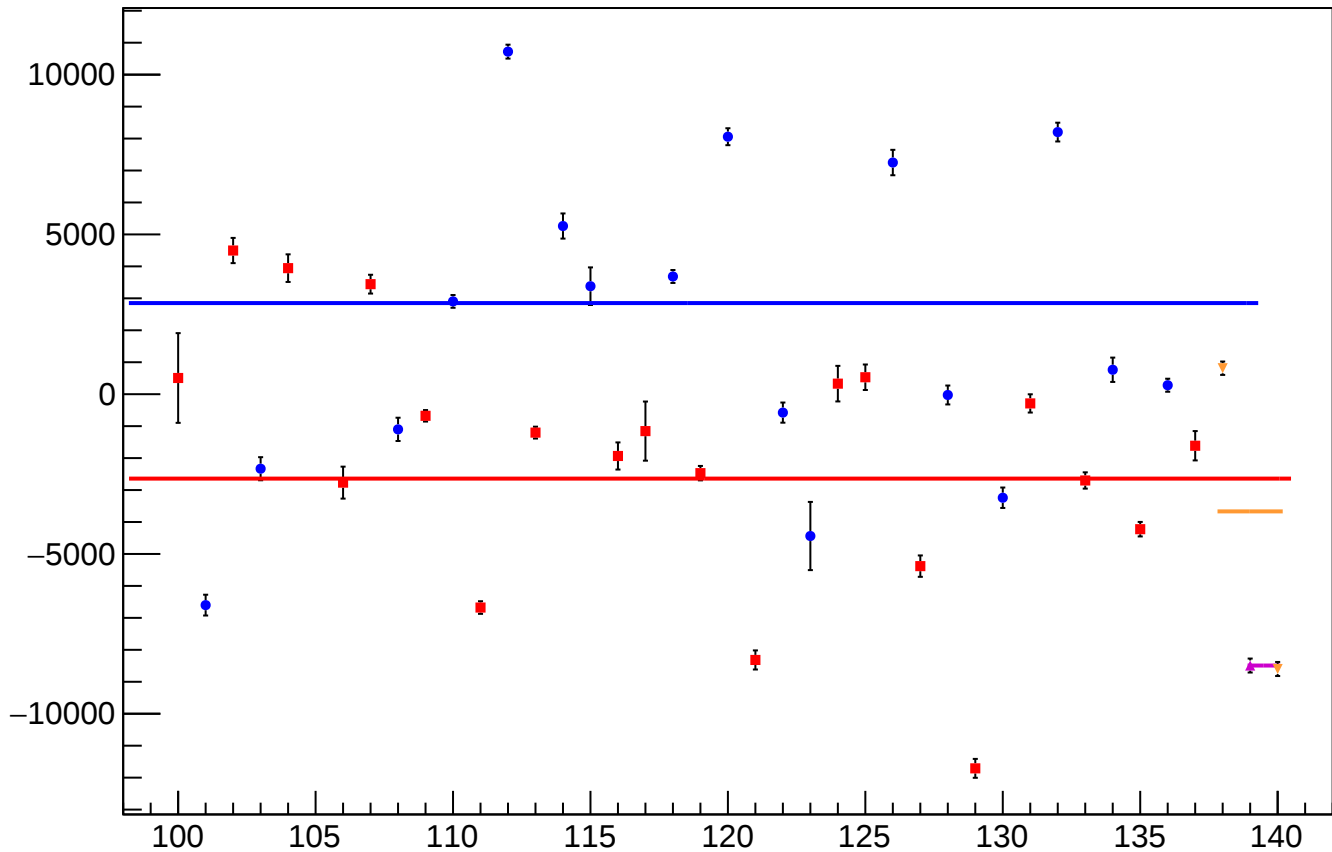
Left In: 168.006 $\pm$ 0.146 χ^2 /NDF: 0.0/0

140.034 $\pm$ 0.036 χ^2 /NDF: 804688.6/18

137.428 $\pm$ 0.025 χ^2 /NDF: 1701498.1/39

134.873 $\pm$ 0.036 χ^2 /NDF: 886534.1/20

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -3667.929+/-151.661 χ^2/NDF : 960.8/1

Right Out: -2641.642+/-65.566 χ^2/NDF : 3178.3/19

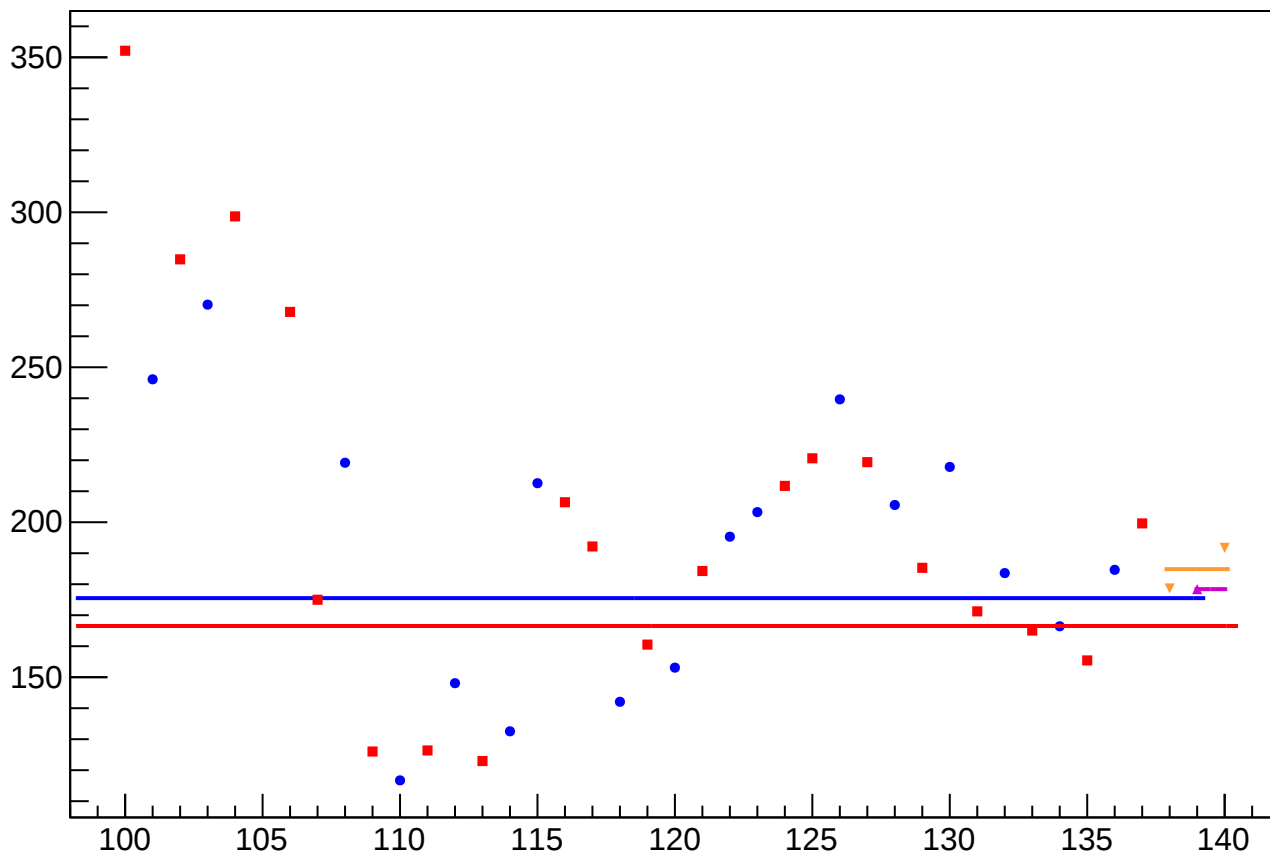
Left In: -8491.955+/-218.578 χ^2/NDF : 0.0/0

1686.152+/-64.119 χ^2/NDF : 6656.5/18

-769.170+/-44.866 χ^2/NDF : 13365.1/39

-3124.591+/-62.801 χ^2/NDF : 3835.5/20

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 184.869 $\pm$ 0.107 χ^2 /NDF: 3724.2/1

Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

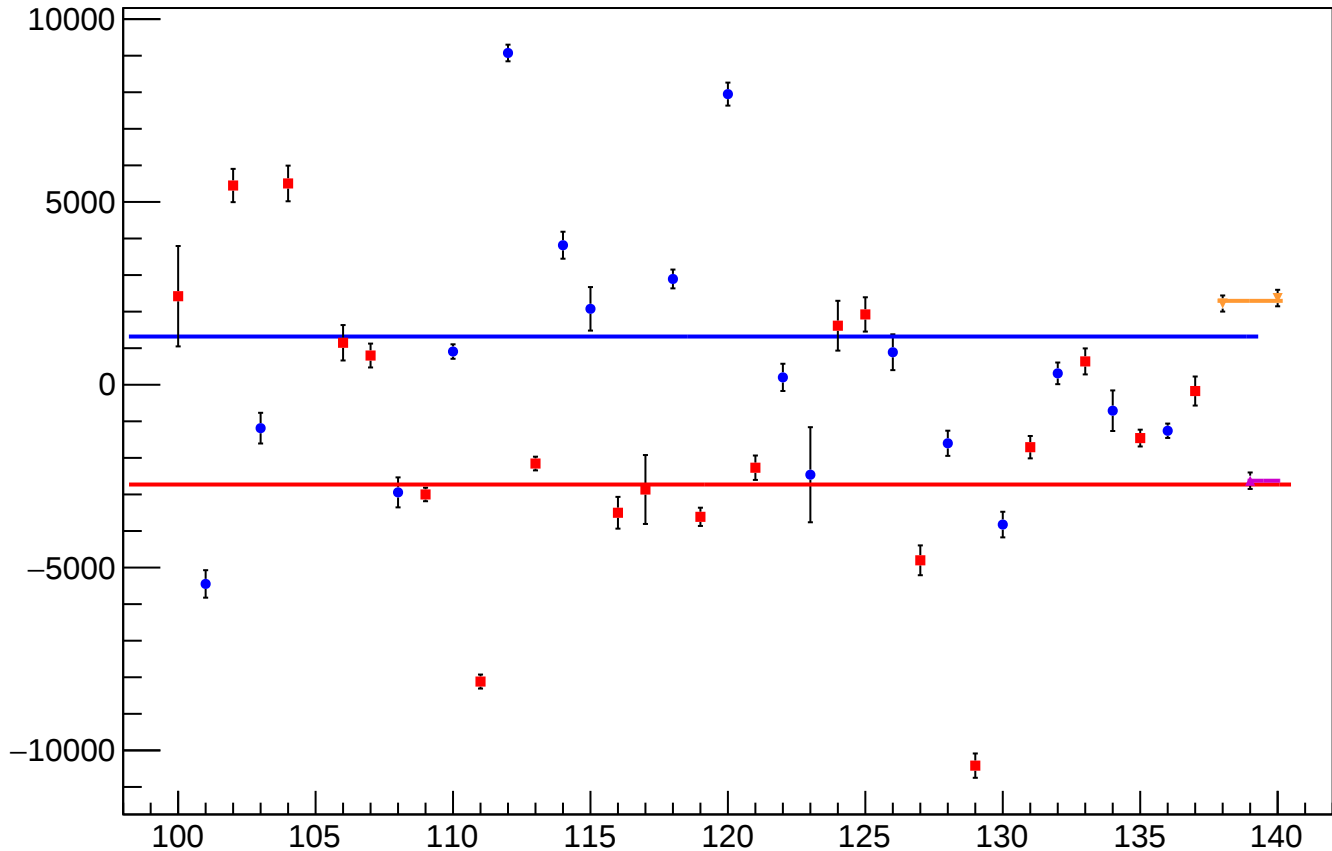
Left In: 178.411 $\pm$ 0.155 χ^2 /NDF: 0.0/0

177.186 $\pm$ 0.045 χ^2 /NDF: 699615.1/18

172.244 $\pm$ 0.032 χ^2 /NDF: 1659400.2/39

167.504 $\pm$ 0.044 χ^2 /NDF: 936507.9/20

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2294.713+/-157.601 χ^2/NDF : 0.2/1

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

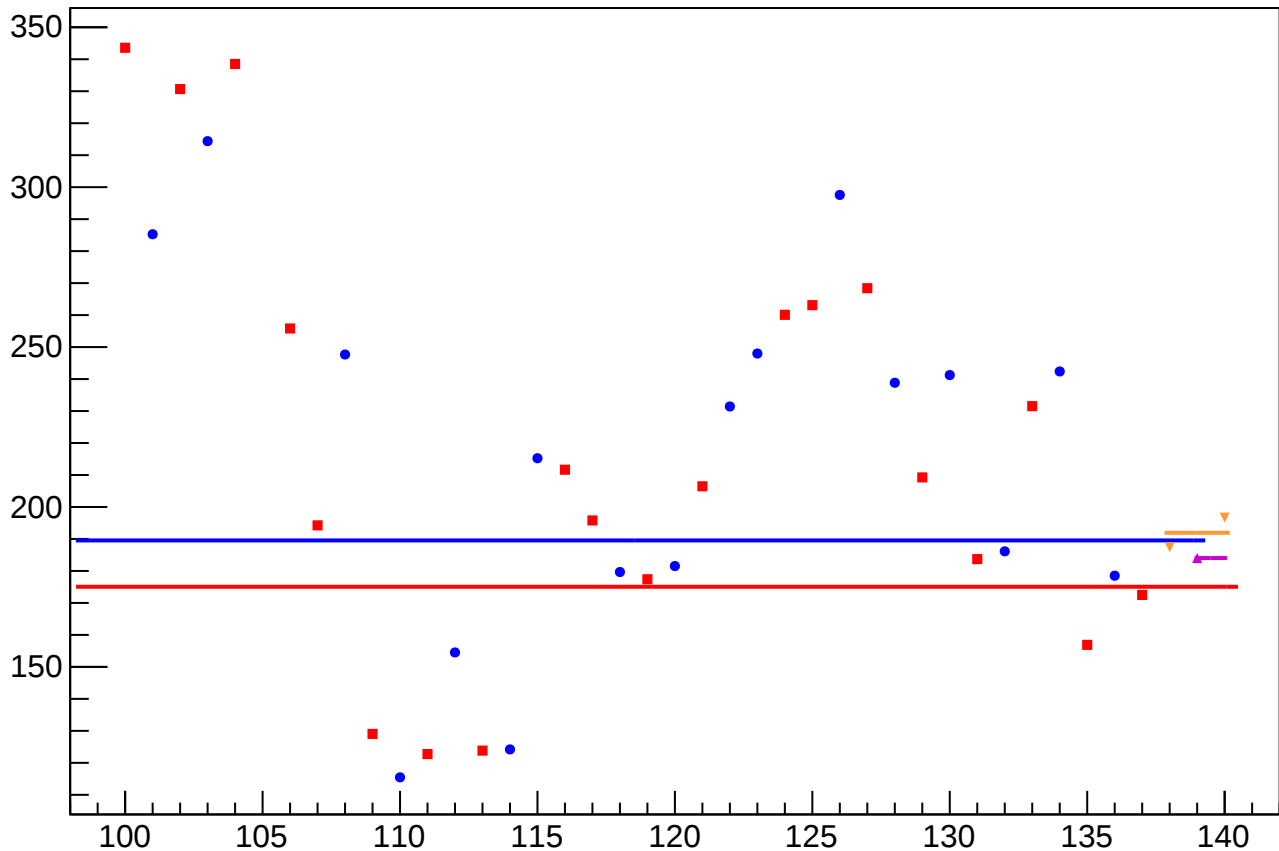
Left In: -2624.561+/-225.333 χ^2/NDF : 0.0/0

1507.608+/-69.290 χ^2/NDF : 2698.2/18

-686.177+/-48.056 χ^2/NDF : 7125.8/39

-2719.436+/-66.706 χ^2/NDF : 2496.1/20

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 191.939 $\pm$ 0.111 χ^2 /NDF: 1708.6/1

Right Out: 175.058 $\pm$ 0.049 χ^2 /NDF: 1298079.7/19

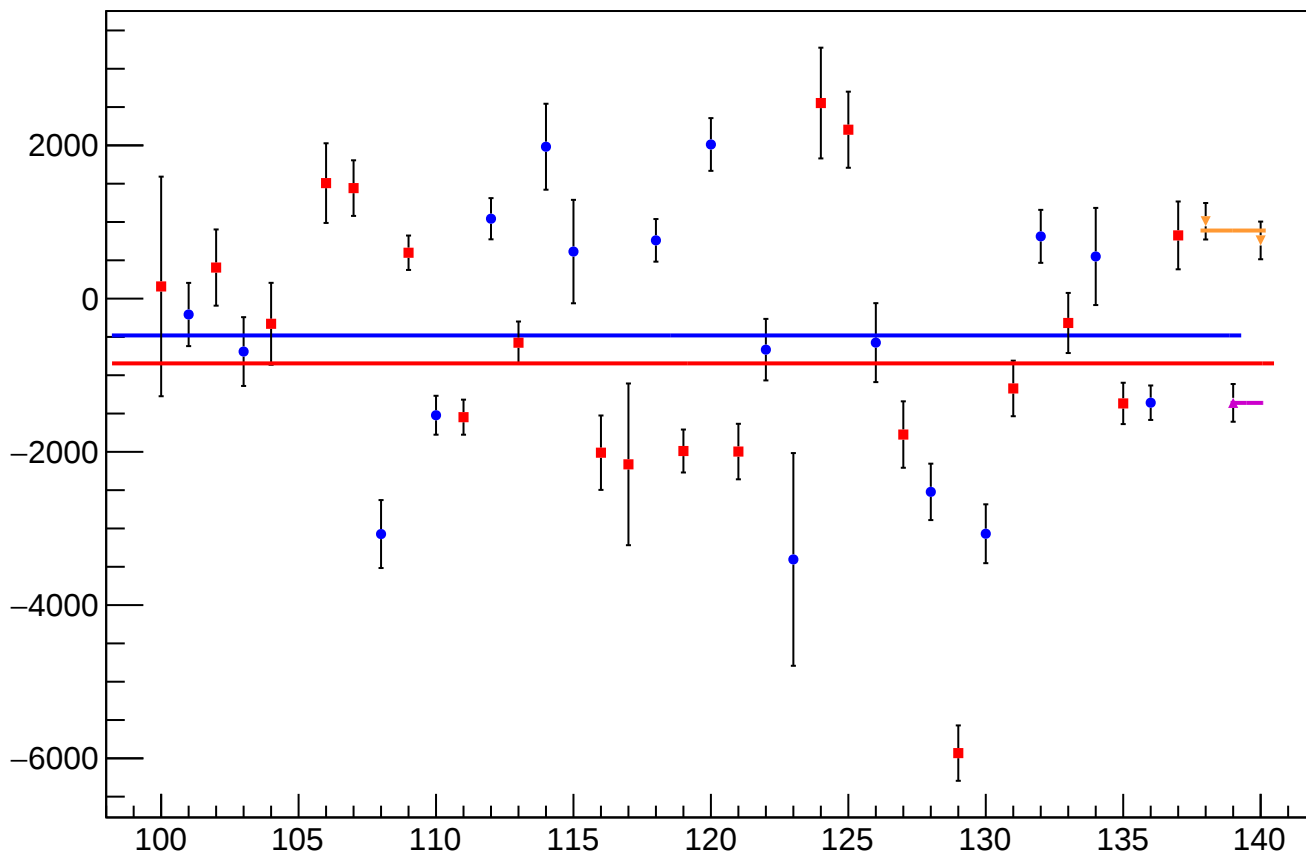
Left In: 184.041 $\pm$ 0.159 χ^2 /NDF: 0.0/0

190.007 $\pm$ 0.049 χ^2 /NDF: 982825.7/18

182.657 $\pm$ 0.034 χ^2 /NDF: 2327166.2/39

175.845 $\pm$ 0.047 χ^2 /NDF: 1300979.8/20

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 888.607+/-170.997 χ^2/NDF : 0.5/1

Right Out: -845.444+/-81.995 χ^2/NDF : 436.9/19

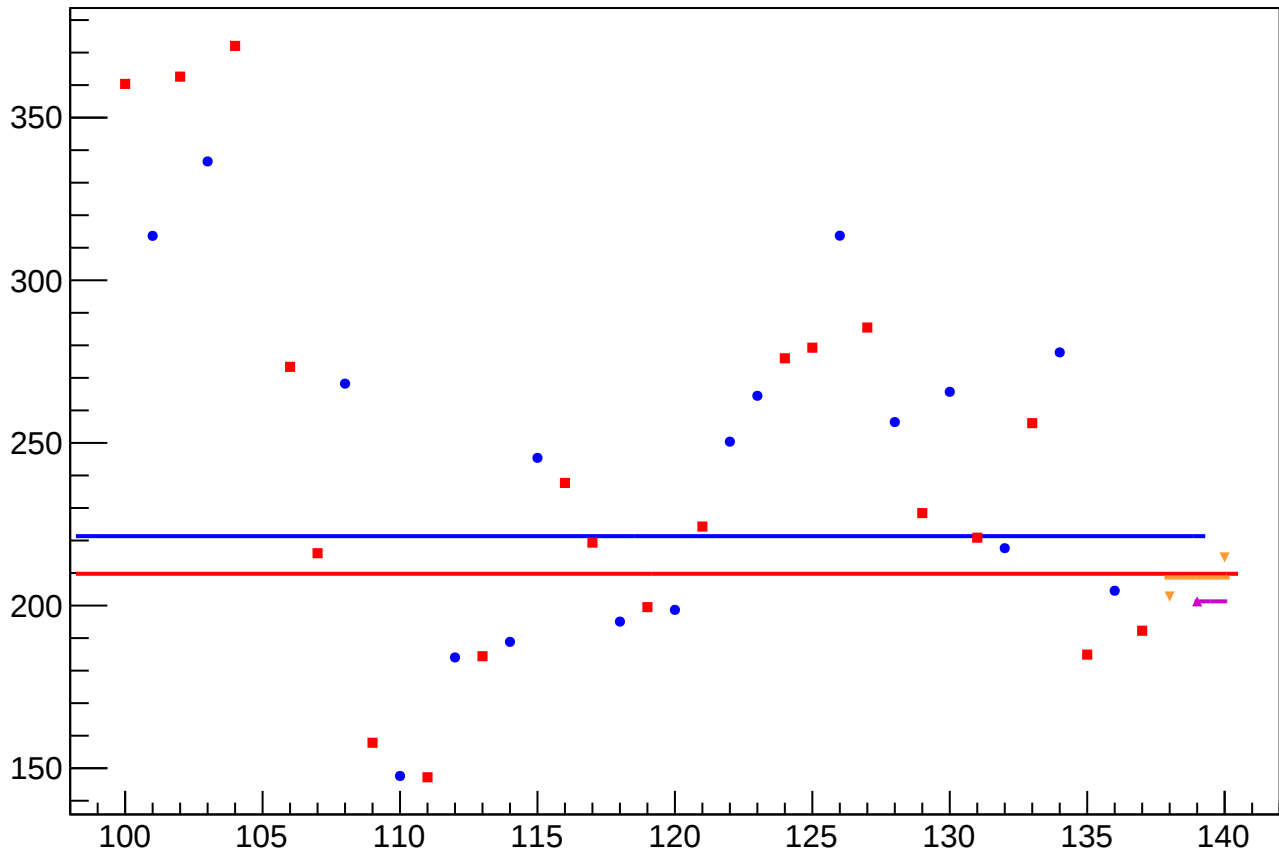
Left In: -1360.927+/-246.243 χ^2/NDF : 0.0/0

-190.588+/-78.696 χ^2/NDF : 341.8/18

-547.805+/-55.325 χ^2/NDF : 823.3/39

-896.895+/-77.795 χ^2/NDF : 440.8/20

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342+/-0.063 χ^2/NDF : 645688.1/16

Left Out: 208.604+/-0.121 χ^2/NDF : 2466.7/1

Right Out: 209.775+/-0.058 χ^2/NDF : 884083.7/19

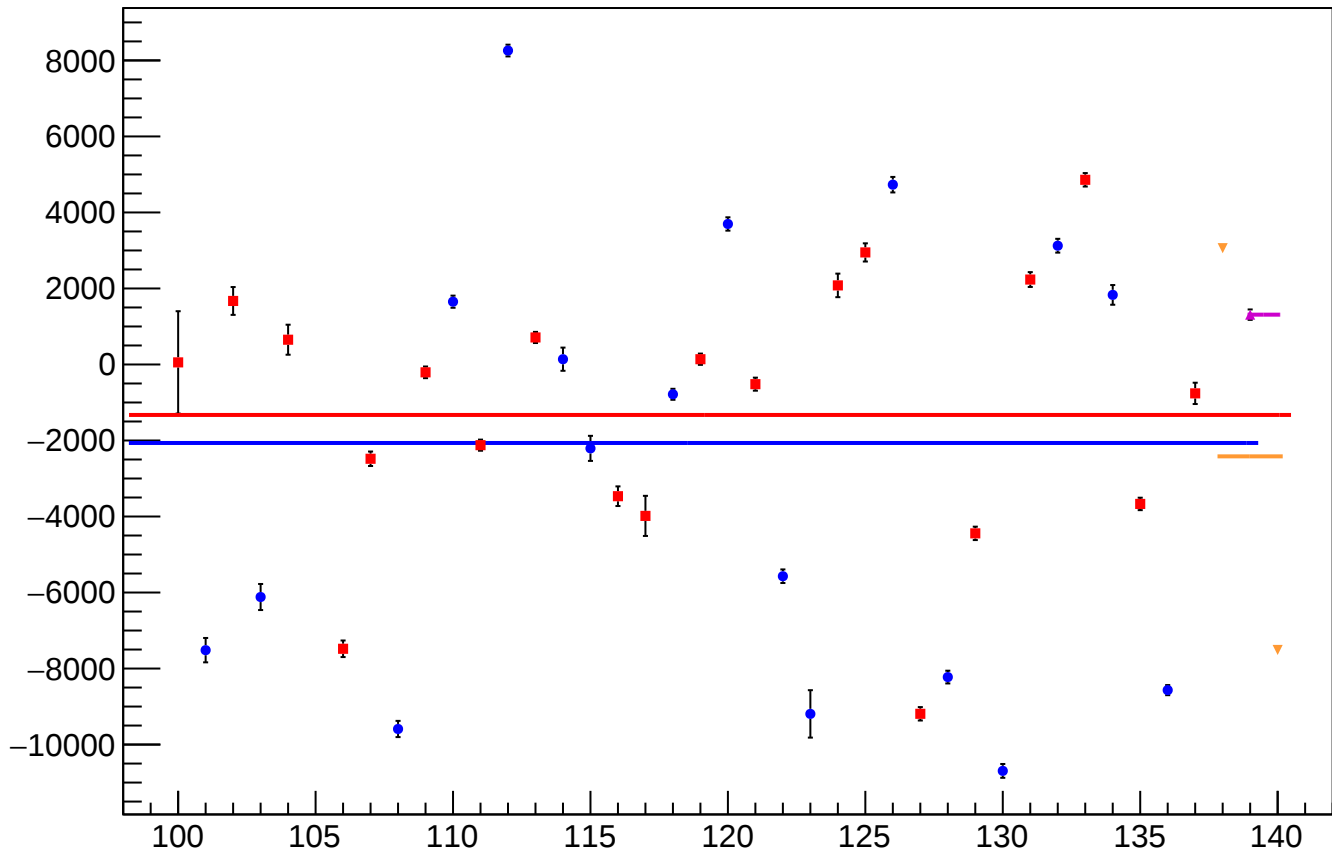
Left In: 201.295+/-0.174 χ^2/NDF : 0.0/0

218.644+/-0.056 χ^2/NDF : 656903.0/18

213.730+/-0.039 χ^2/NDF : 1558539.5/39

208.928+/-0.055 χ^2/NDF : 886218.7/20

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160+/-47.322 χ^2/NDF : 16533.3/16

Left Out: -2417.409+/-89.809 χ^2/NDF : 3459.0/1

Right Out: -1327.819+/-44.838 χ^2/NDF : 5919.9/19

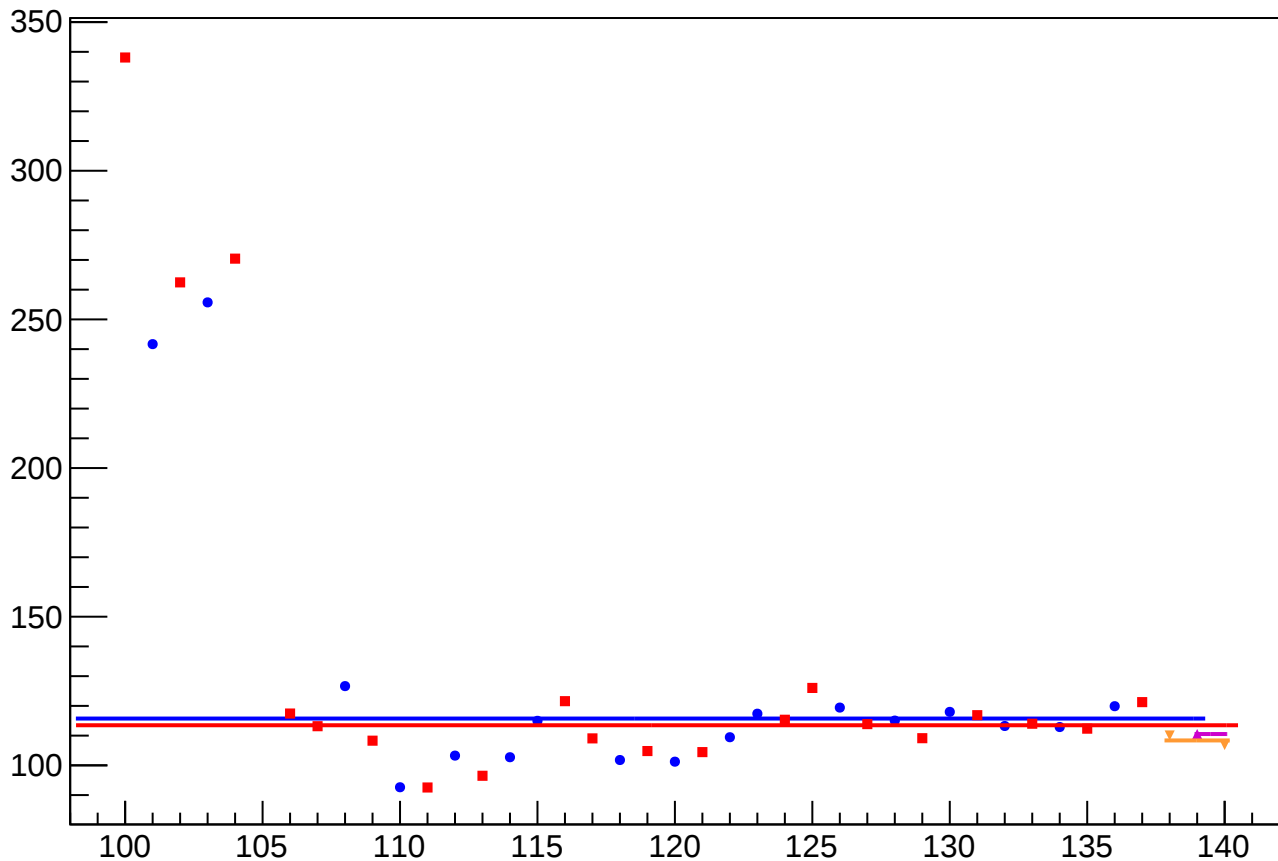
Left In: 1310.835+/-136.967 χ^2/NDF : 0.0/0

-2141.706+/-41.866 χ^2/NDF : 20004.3/18

-1616.516+/-29.864 χ^2/NDF : 26579.8/39

-1072.410+/-42.613 χ^2/NDF : 6255.1/20

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 $\pm$ 0.033 χ^2/NDF : 744017.7/16

Left Out: 108.379 $\pm$ 0.064 χ^2/NDF : 644.0/1

Right Out: 113.487 $\pm$ 0.032 χ^2/NDF : 796781.7/19

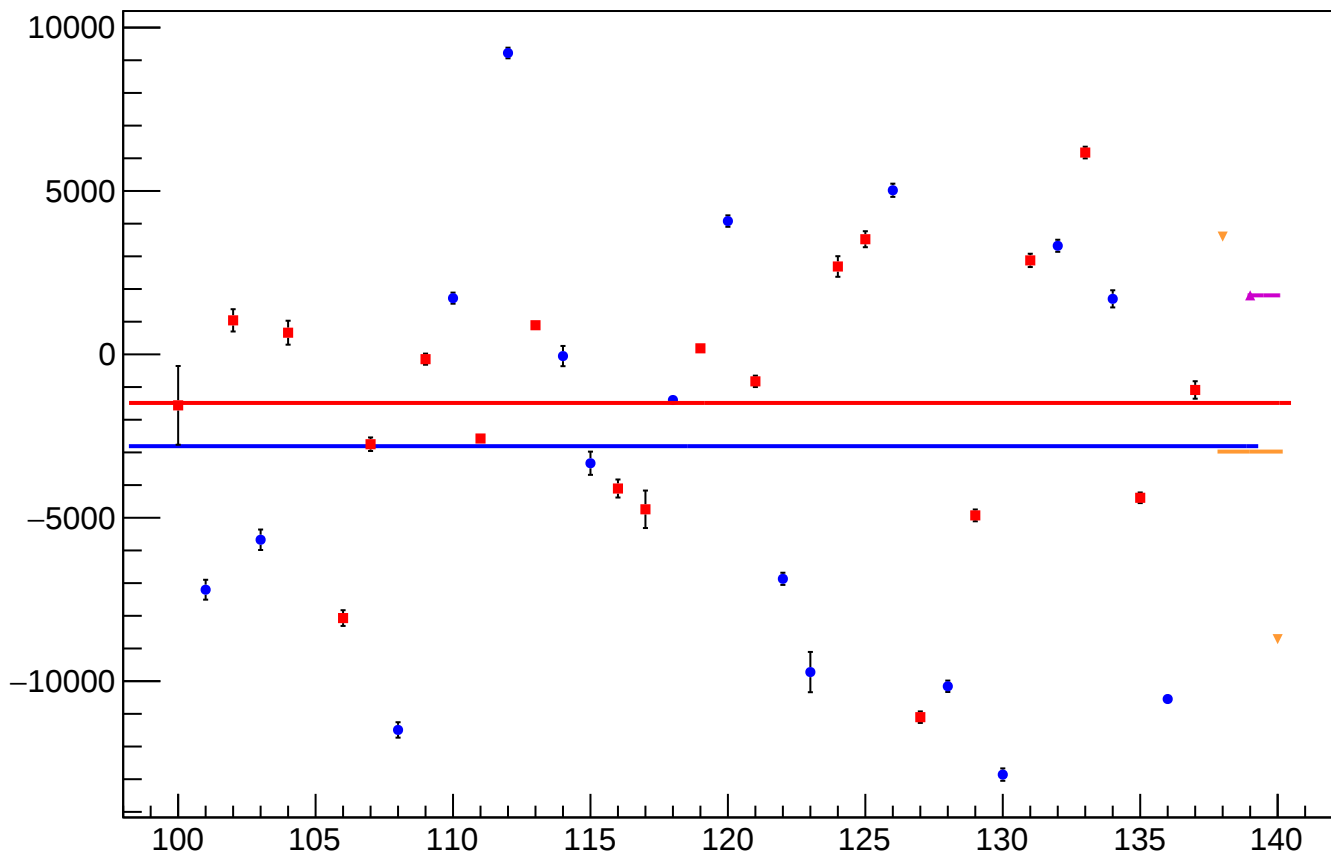
Left In: 110.534 $\pm$ 0.097 χ^2/NDF : 0.0/0

114.141 $\pm$ 0.030 χ^2/NDF : 755177.8/18

113.679 $\pm$ 0.021 χ^2/NDF : 1553294.0/39

113.201 $\pm$ 0.030 χ^2/NDF : 797621.2/20

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -2974.228+/-95.580 χ^2/NDF : 4133.1/1

Right Out: -1486.369+/-46.243 χ^2/NDF : 8037.1/19

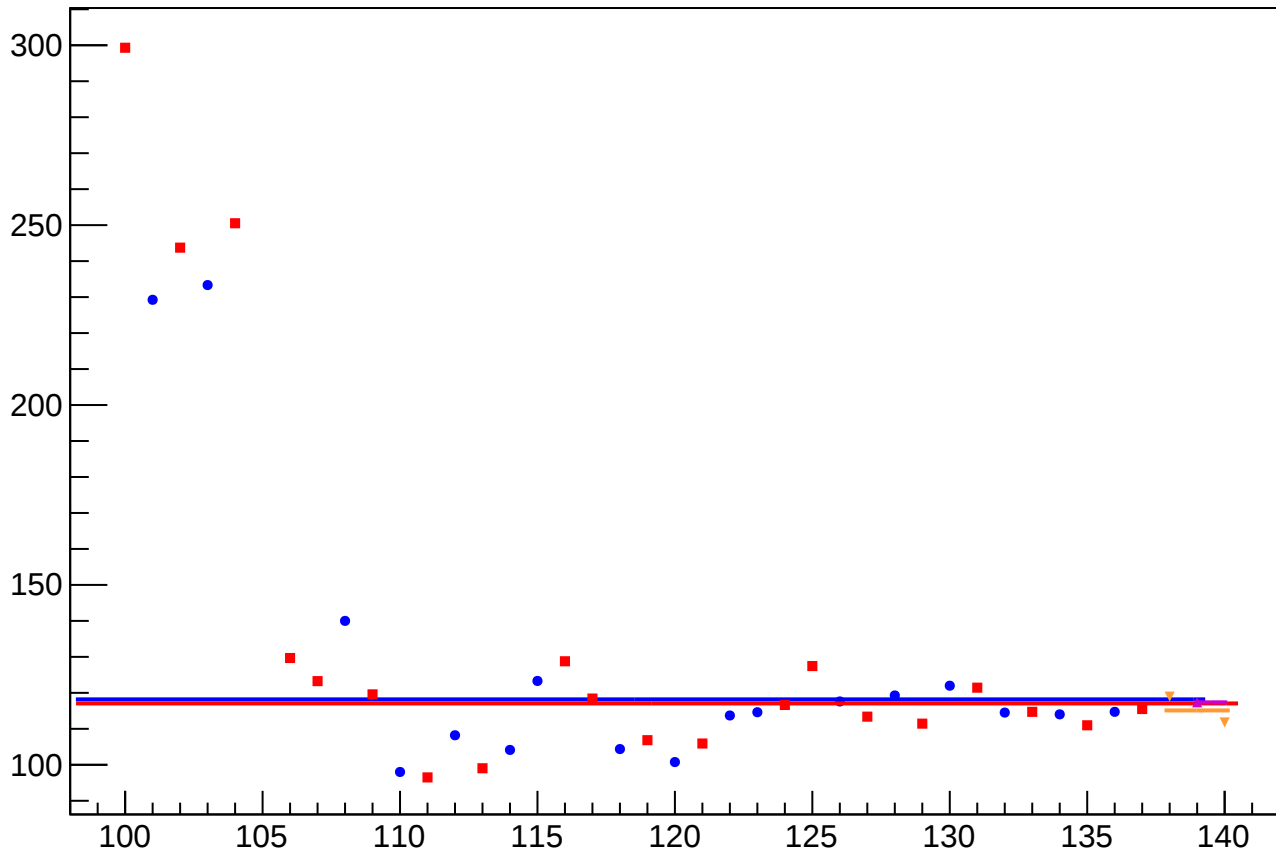
Left In: 1805.914+/-145.819 χ^2/NDF : 0.0/0

-2842.674+/-43.097 χ^2/NDF : 25398.7/18

-2032.772+/-30.816 χ^2/NDF : 34621.5/39

-1185.521+/-44.080 χ^2/NDF : 8500.3/20

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 115.114+/-0.068 χ^2/NDF : 2807.7/1

Right Out: 117.054+/-0.033 χ^2/NDF : 690646.8/19

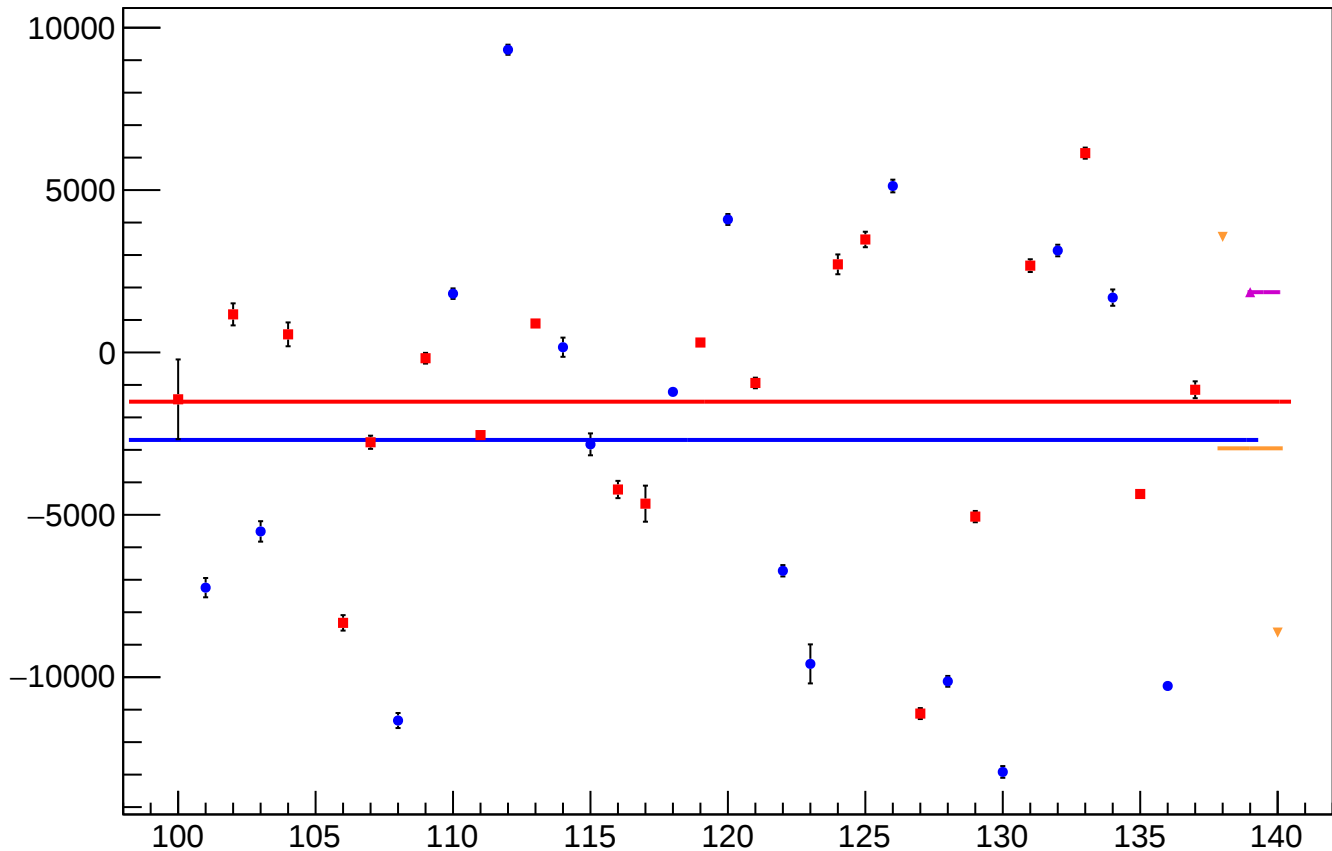
Left In: 117.367+/-0.103 χ^2/NDF : 0.0/0

117.563+/-0.030 χ^2/NDF : 640708.3/18

117.328+/-0.022 χ^2/NDF : 1331484.8/39

117.083+/-0.031 χ^2/NDF : 690655.2/20

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260+/-46.347 χ^2/NDF : 22860.3/16

Left Out: -2952.363+/-92.029 χ^2/NDF : 4362.1/1

Right Out: -1515.863+/-44.303 χ^2/NDF : 8749.3/19

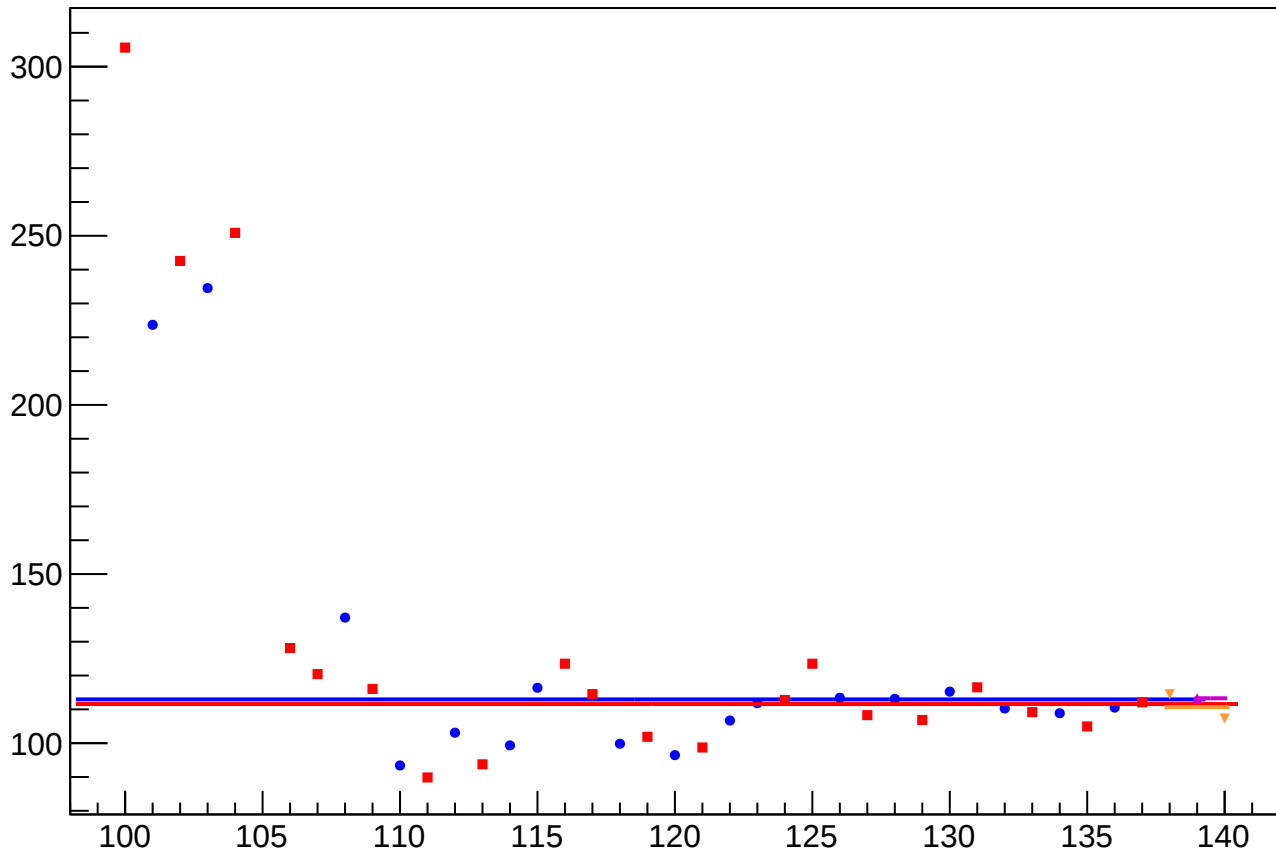
Left In: 1856.111+/-140.888 χ^2/NDF : 0.0/0

-2746.478+/-41.394 χ^2/NDF : 27228.7/18

-1995.385+/-29.572 χ^2/NDF : 37171.7/39

-1212.439+/-42.263 χ^2/NDF : 9270.6/20

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 110.629 $\pm$ 0.065 χ^2 /NDF:3026.4/1

Right Out: 111.562 $\pm$ 0.031 χ^2 /NDF: 765559.1/19

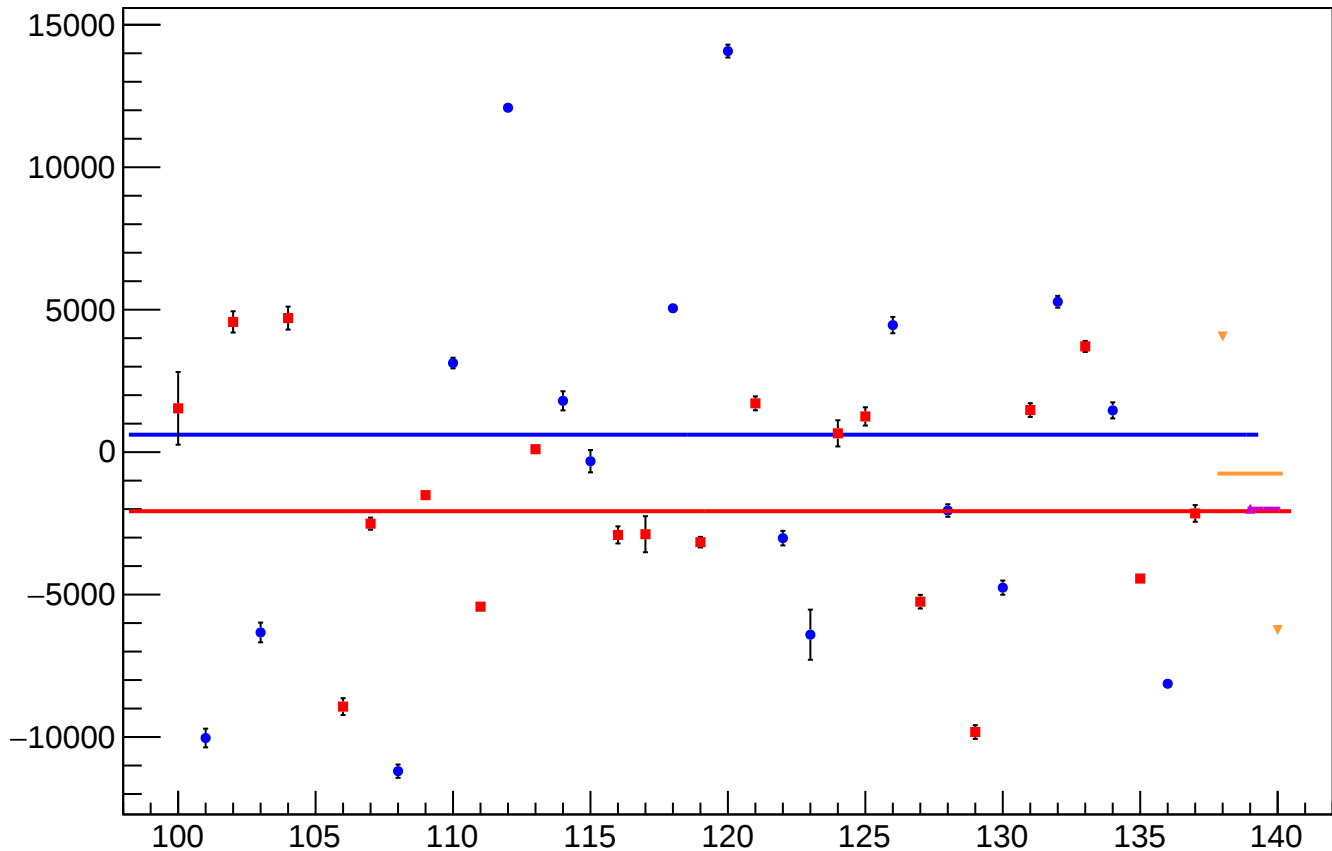
Left In: 113.273 $\pm$ 0.100 χ^2 /NDF:0.0/0

112.473 $\pm$ 0.029 χ^2 /NDF: 684316.1/18

112.102 $\pm$ 0.021 χ^2 /NDF: 1450470.5/39

111.716 $\pm$ 0.030 χ^2 /NDF: 765827.4/20

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -752.690 ± 116.027 $\chi^2/\text{NDF}: 1962.1/1$

Right Out: -2073.278 ± 53.736 $\chi^2/\text{NDF}: 4644.3/19$

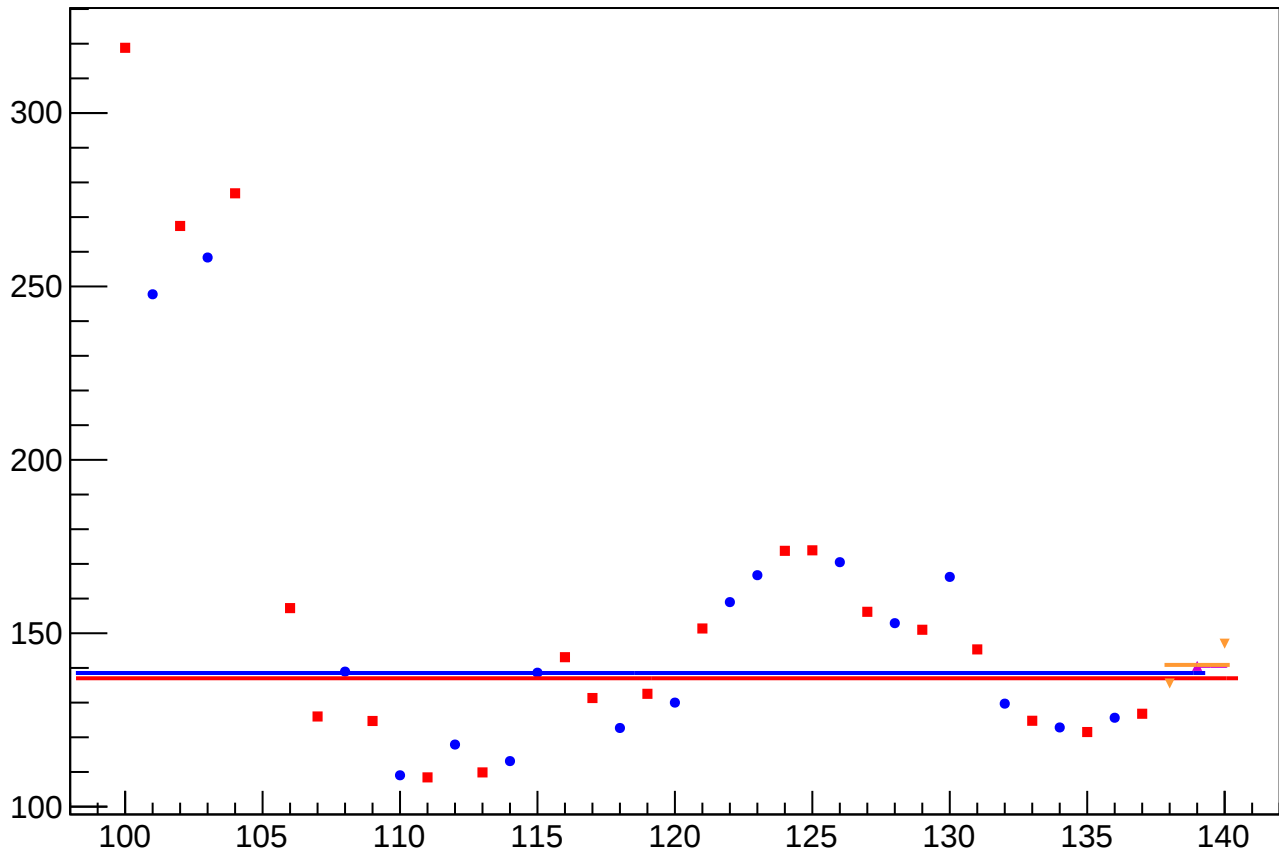
Left In: -1983.872 ± 173.299 $\chi^2/\text{NDF}: 0.0/0$

354.203 ± 50.478 $\chi^2/\text{NDF}: 20317.7/18$

-835.485 ± 35.989 $\chi^2/\text{NDF}: 26092.1/39$

-2065.436 ± 51.325 $\chi^2/\text{NDF}: 4644.6/20$

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 140.873 $\pm$ 0.082 χ^2 /NDF: 4870.9/1

Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

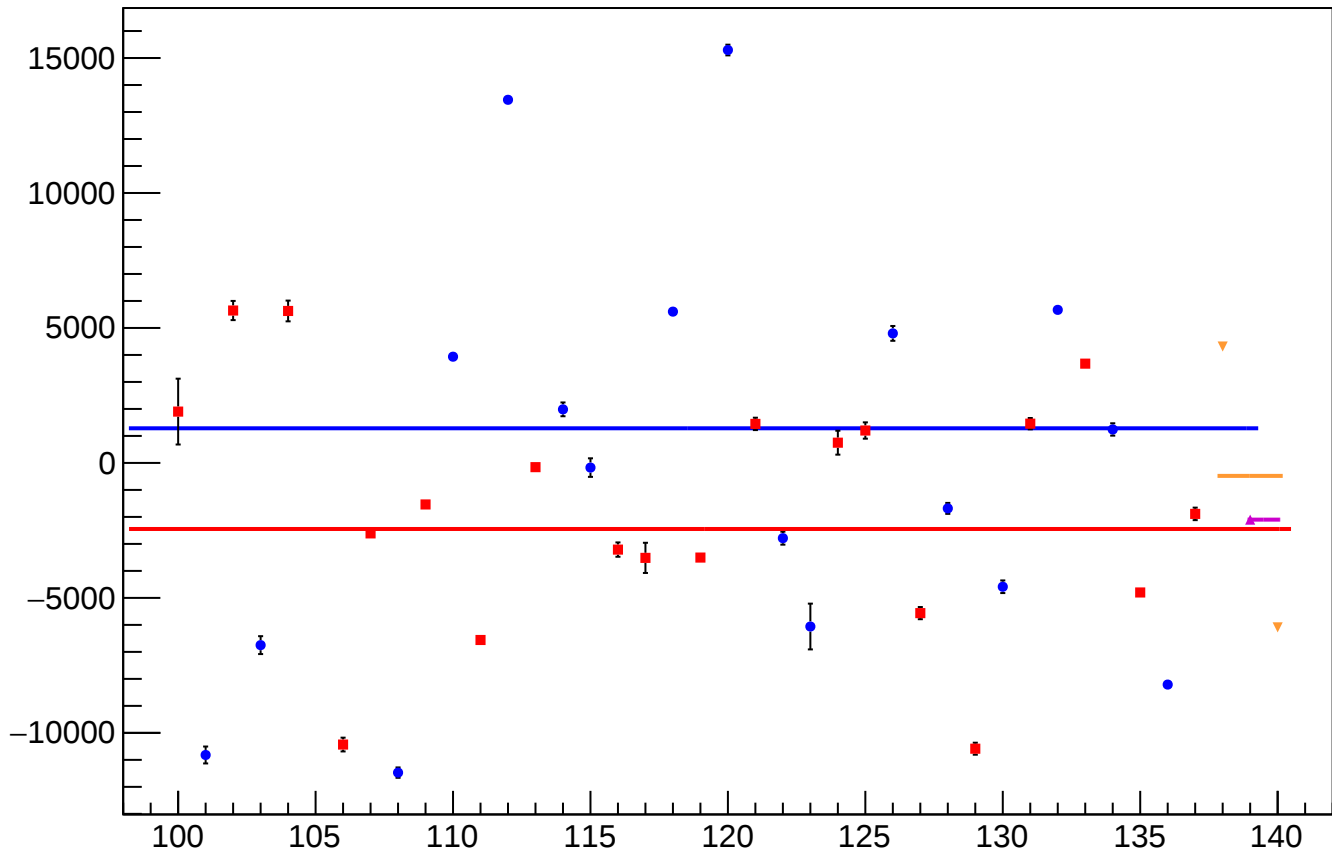
Left In: 140.603 $\pm$ 0.123 χ^2 /NDF: 0.0/0

138.983 $\pm$ 0.036 χ^2 /NDF: 674467.4/18

138.172 $\pm$ 0.025 χ^2 /NDF: 1431952.3/39

137.334 $\pm$ 0.036 χ^2 /NDF: 756435.1/20

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -480.160+/-100.208 χ^2/NDF : 2677.9/1

Right Out: -2446.970+/-44.148 χ^2/NDF : 7681.2/19

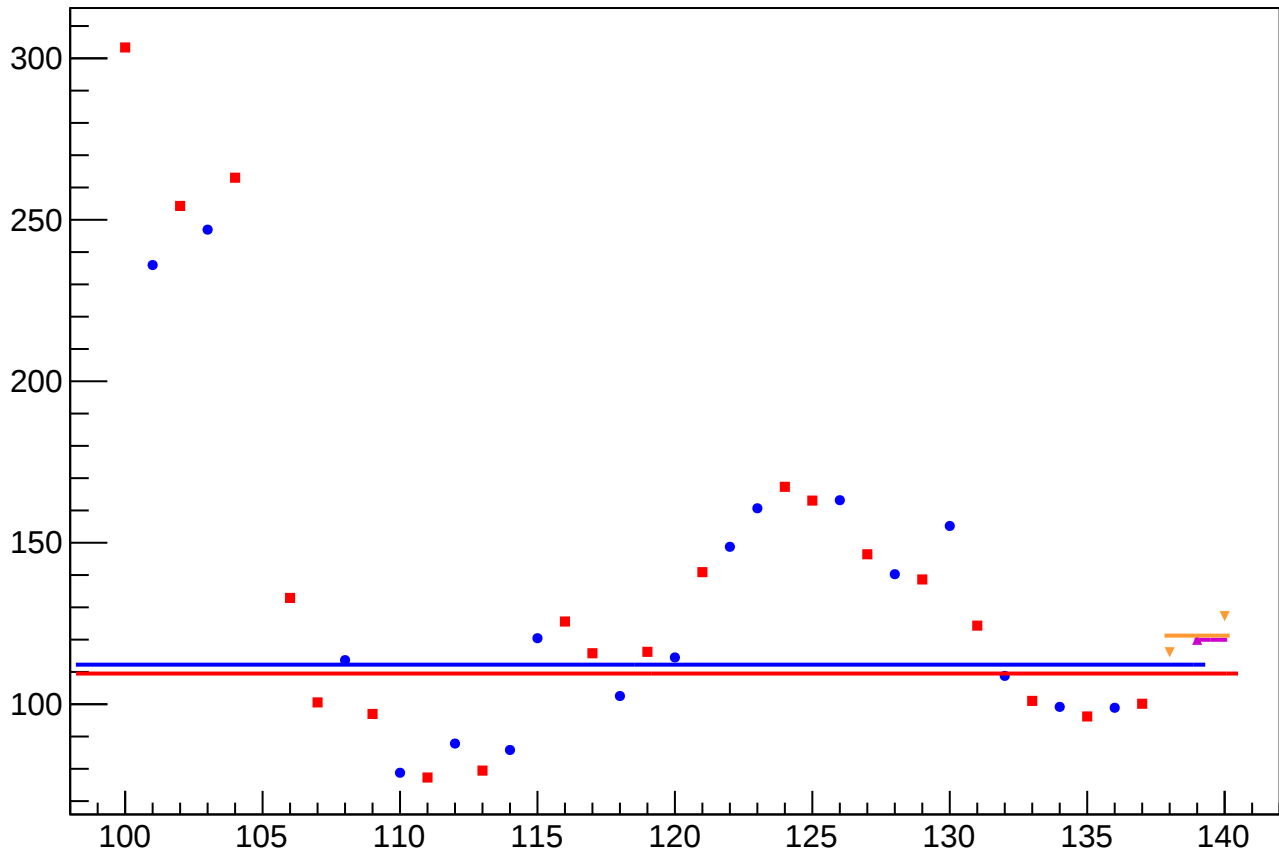
Left In: -2100.778+/-148.363 χ^2/NDF : 0.0/0

969.791+/-42.234 χ^2/NDF : 33473.4/18

-721.293+/-29.892 χ^2/NDF : 44372.2/39

-2418.810+/-42.314 χ^2/NDF : 7686.2/20

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 121.245+/-0.071 χ^2/NDF : 6166.7/1

Right Out: 109.500+/-0.031 χ^2/NDF : 1269887.8/19

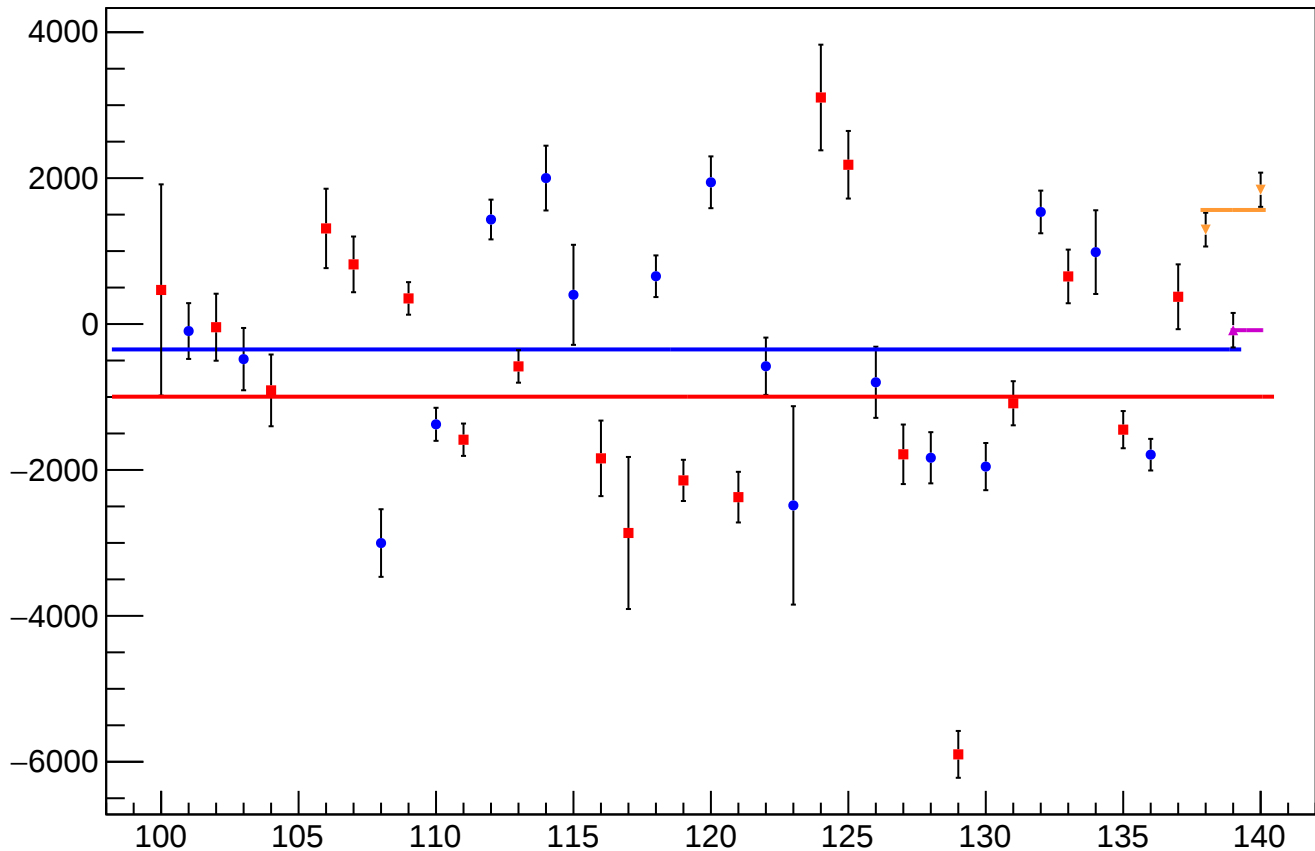
Left In: 119.955+/-0.105 χ^2/NDF : 0.0/0

113.848+/-0.030 χ^2/NDF : 1144954.2/18

112.103+/-0.021 χ^2/NDF : 2430814.5/39

110.350+/-0.030 χ^2/NDF : 1279012.5/20

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 1563.732 ± 164.701 χ^2/NDF : 2.8/1

Right Out: -995.622 ± 77.468 χ^2/NDF : 479.8/19

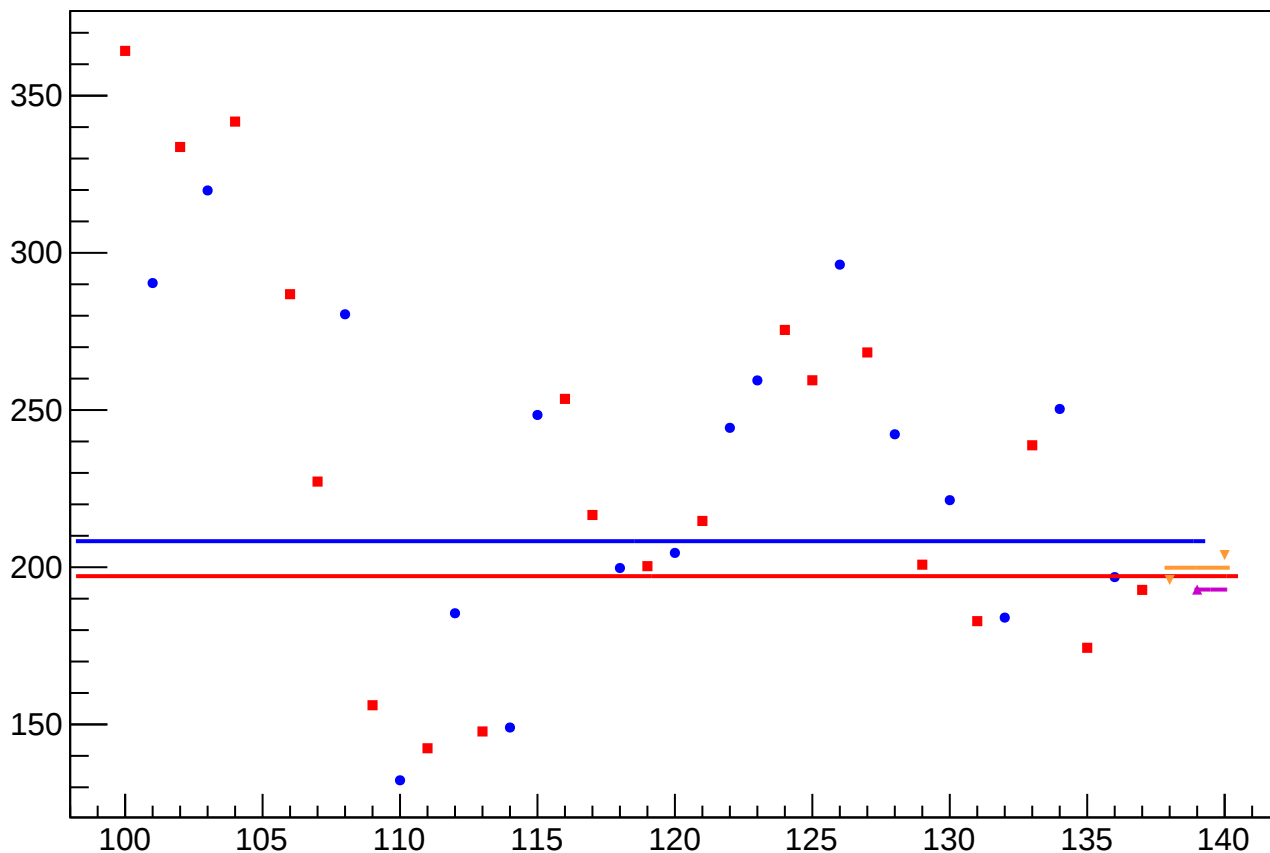
Left In: -84.164 ± 236.400 χ^2/NDF : 0.0/0

45.284 ± 74.707 χ^2/NDF : 427.1/18

-437.979 ± 52.436 χ^2/NDF : 1002.8/39

-907.235 ± 73.616 χ^2/NDF : 493.2/20

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.288 $\pm$ 0.059 χ^2/NDF : 698491.0/16

Left Out: 199.844 $\pm$ 0.116 χ^2/NDF : 1161.0/1

Right Out: 197.159 $\pm$ 0.055 χ^2/NDF : 927487.8/19

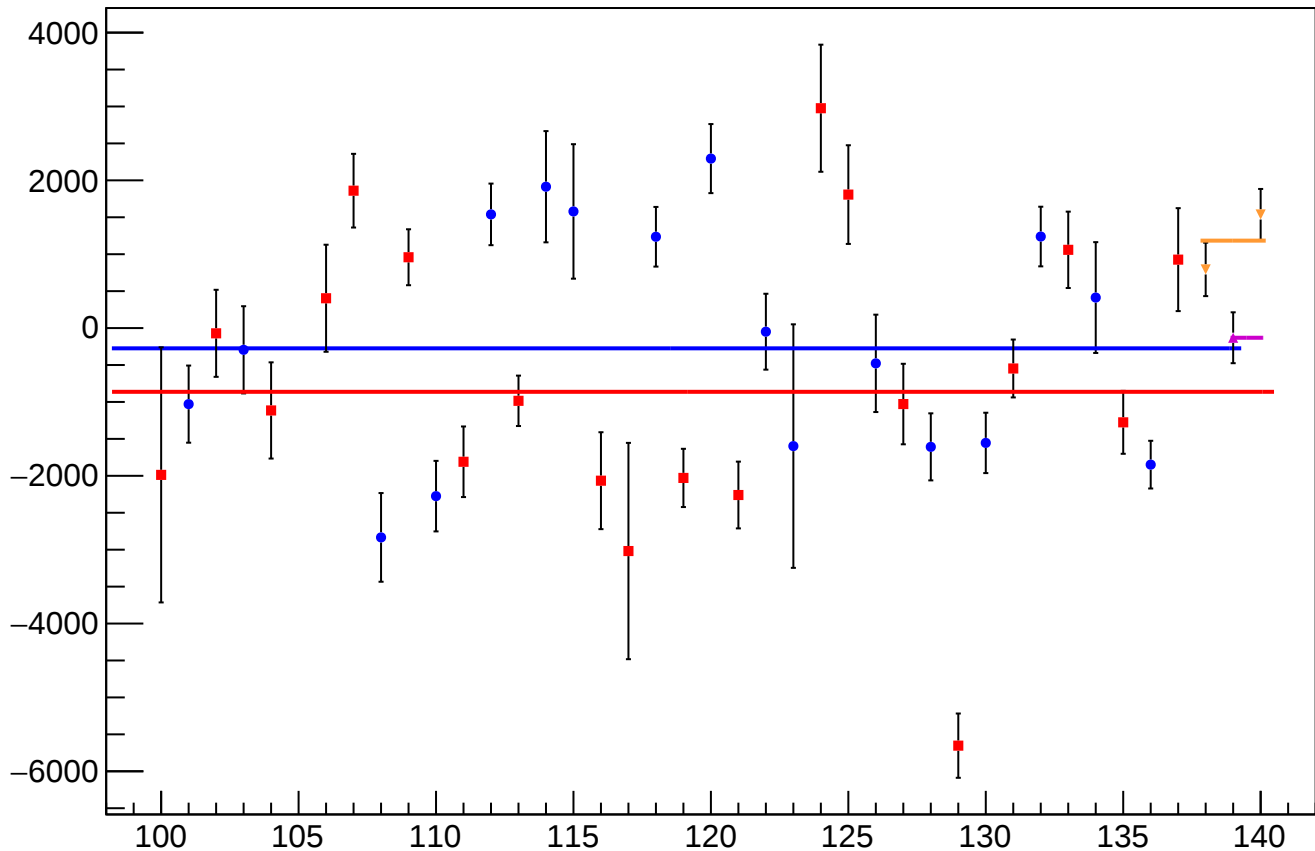
Left In: 192.895 $\pm$ 0.167 χ^2/NDF : 0.0/0

206.550 $\pm$ 0.053 χ^2/NDF : 703826.5/18

201.576 $\pm$ 0.037 χ^2/NDF : 1649379.5/39

196.746 $\pm$ 0.052 χ^2/NDF : 928075.3/20

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1183.814 ± 249.715 χ^2/NDF : 2.2/1

Right Out: -862.791 ± 114.993 χ^2/NDF : 265.4/19

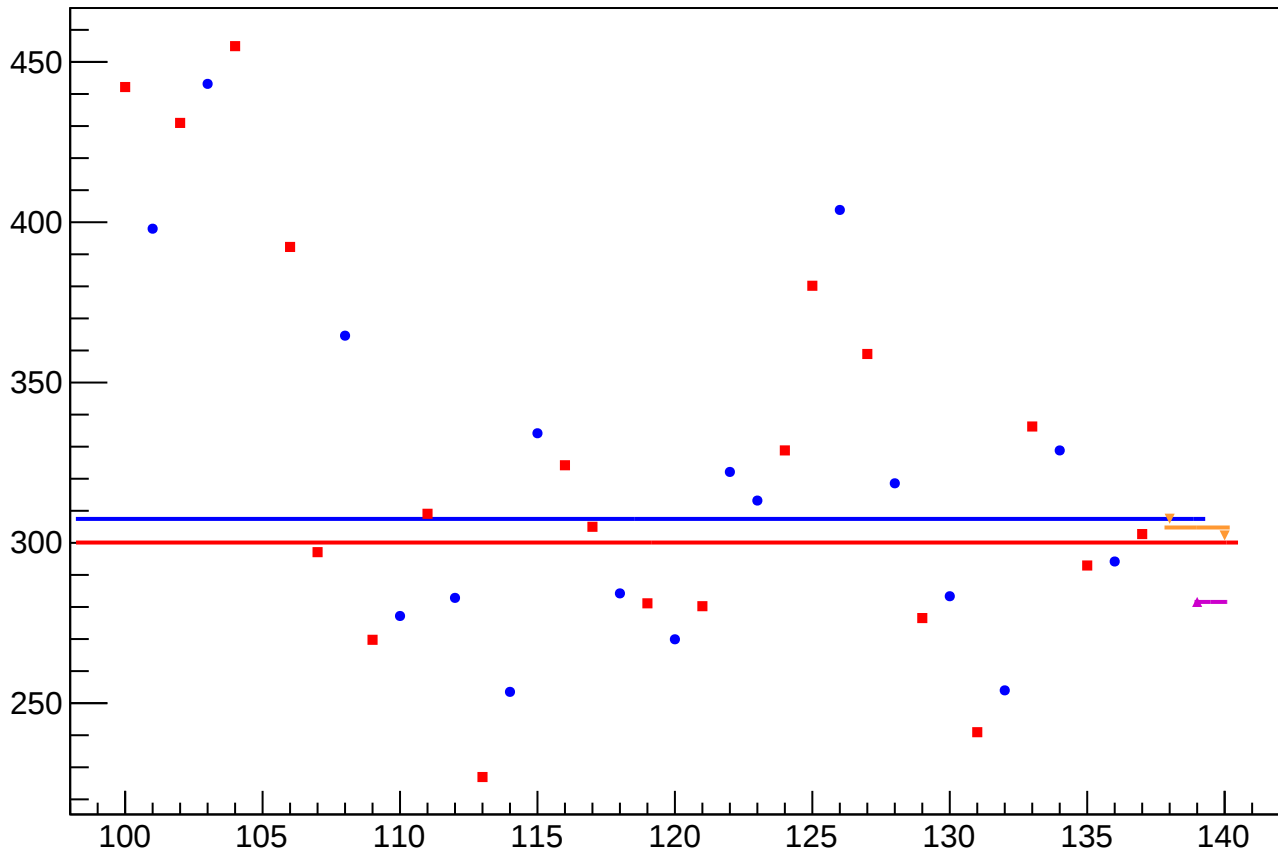
Left In: -130.994 ± 344.463 χ^2/NDF : 0.0/0

4.198 ± 109.127 χ^2/NDF : 201.4/18

-392.798 ± 77.146 χ^2/NDF : 497.3/39

-789.414 ± 109.075 χ^2/NDF : 269.5/20

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 304.793+/-0.177 χ^2/NDF : 218.4/1

Right Out: 300.100+/-0.081 χ^2/NDF : 490421.6/19

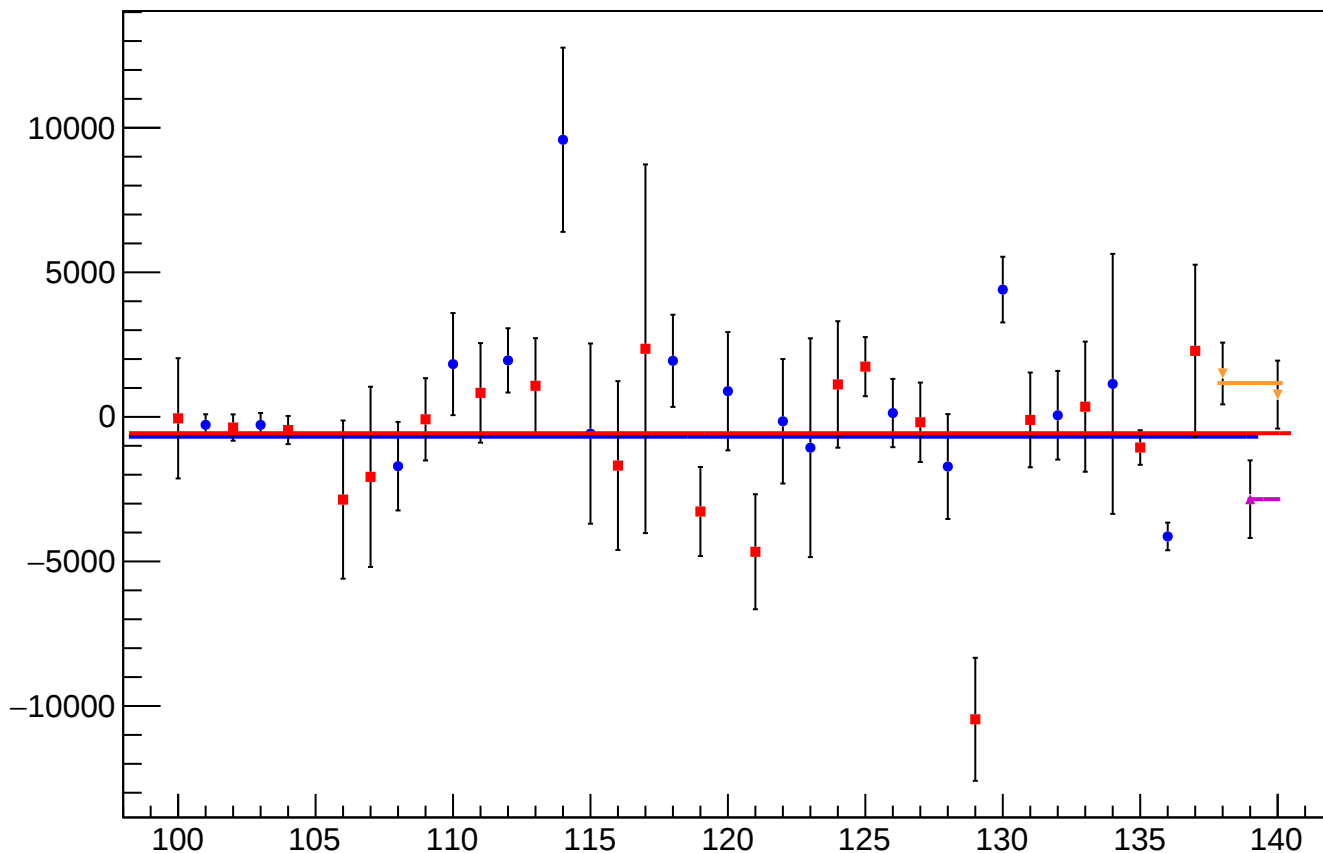
Left In: 281.576+/-0.244 χ^2/NDF : 0.0/0

306.957+/-0.077 χ^2/NDF : 323500.8/18

302.598+/-0.055 χ^2/NDF : 825506.1/39

298.243+/-0.077 χ^2/NDF : 495625.3/20

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -685.056+/-210.341 χ^2/NDF : 97.4/16

Left Out: 1170.584+/-790.581 χ^2/NDF : 0.2/1

Right Out: -564.400+/-243.074 χ^2/NDF : 39.9/19

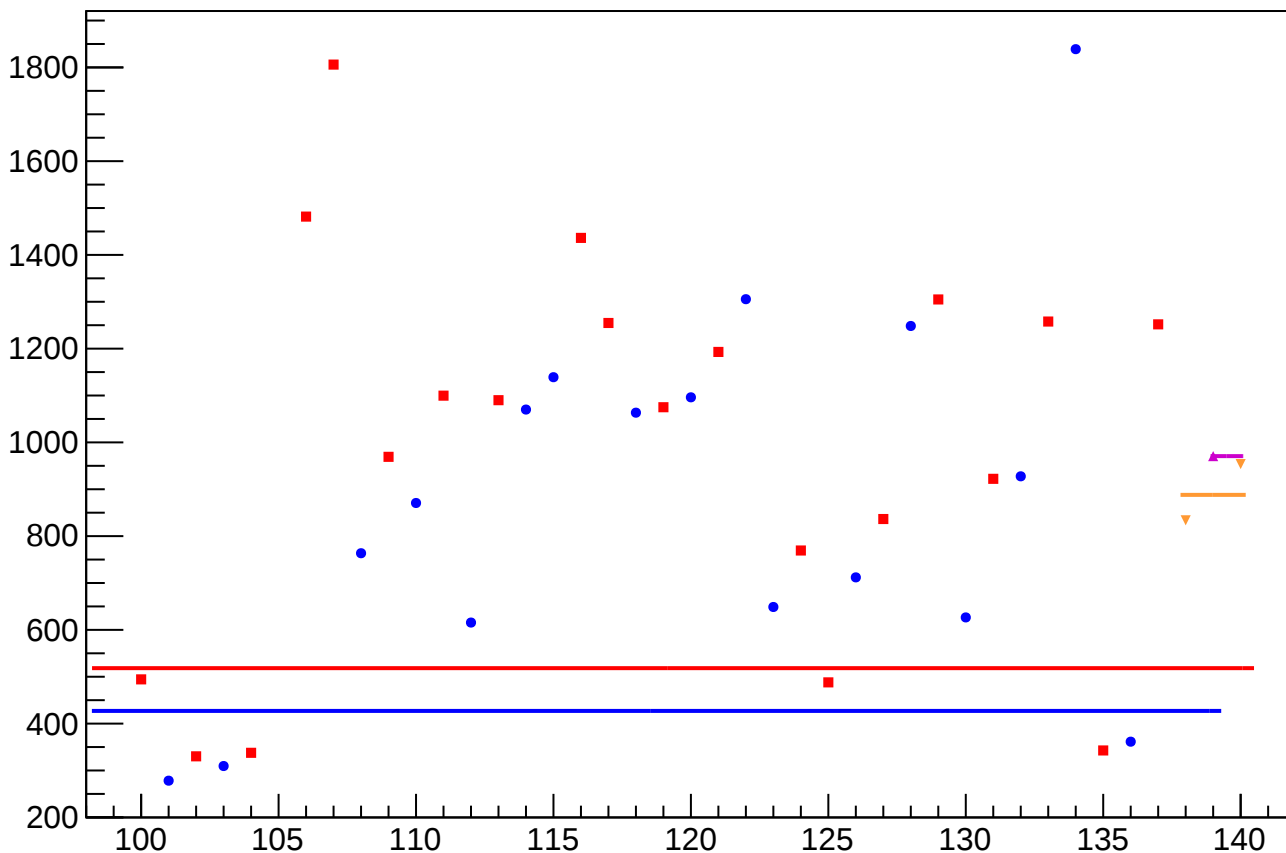
Left In: -2845.635+/-1341.987 χ^2/NDF : 0.0/0

-562.384+/-203.269 χ^2/NDF : 102.7/18

-593.619+/-154.890 χ^2/NDF : 145.5/39

-636.866+/-239.182 χ^2/NDF : 42.7/20

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 888.029+/-0.559 χ^2/NDF :11411.6/1

Right Out: 518.306+/-0.172 χ^2/NDF : 3631833.9/19

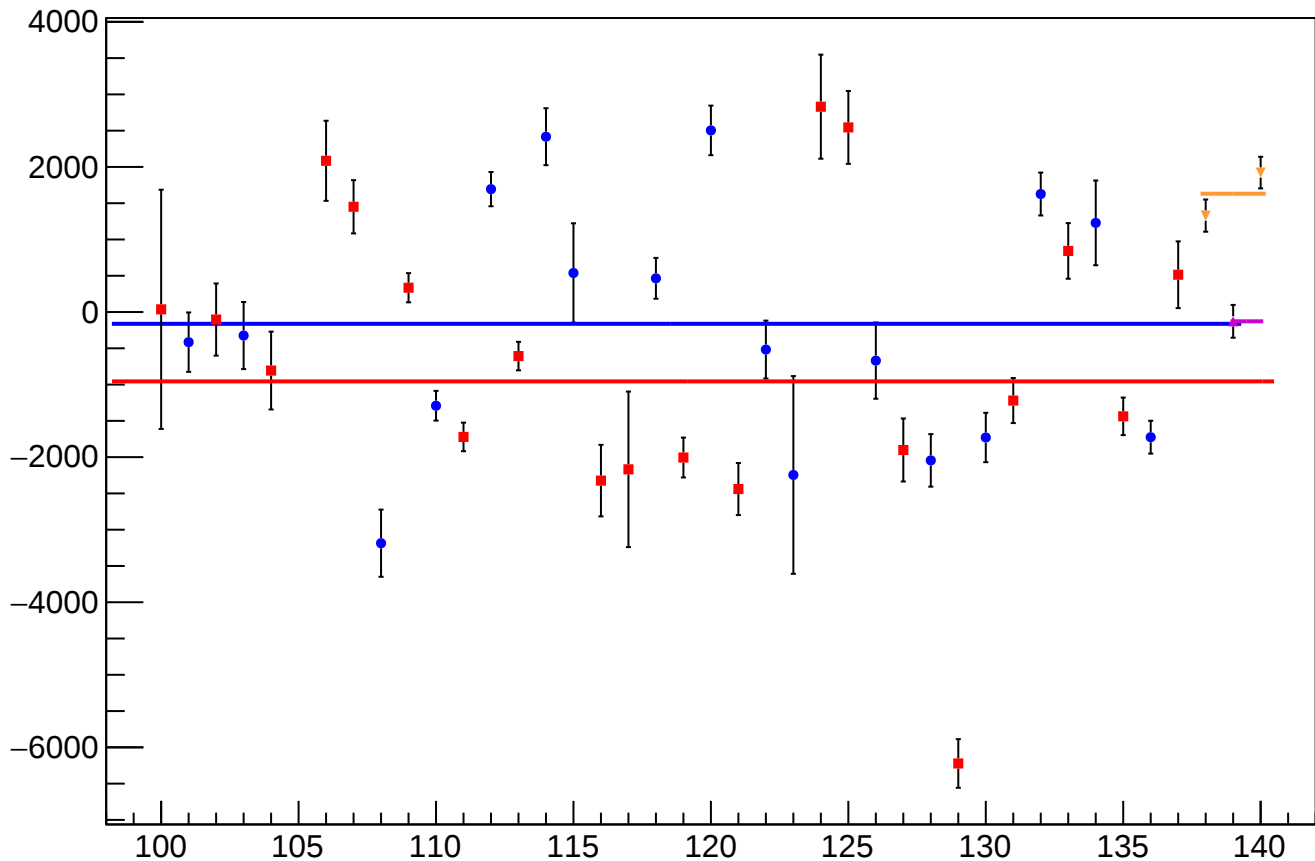
Left In: 970.691+/-0.949 χ^2/NDF :0.0/0

457.552+/-0.144 χ^2/NDF : 3512042.4/18

489.056+/-0.110 χ^2/NDF : 7478494.4/39

532.677+/-0.169 χ^2/NDF : 3851887.8/20

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333+/-82.350 χ^2/NDF : 387.6/16

Left Out: 1630.857+/-155.443 χ^2/NDF : 3.6/1

Right Out: -956.044+/-74.949 χ^2/NDF : 541.1/19

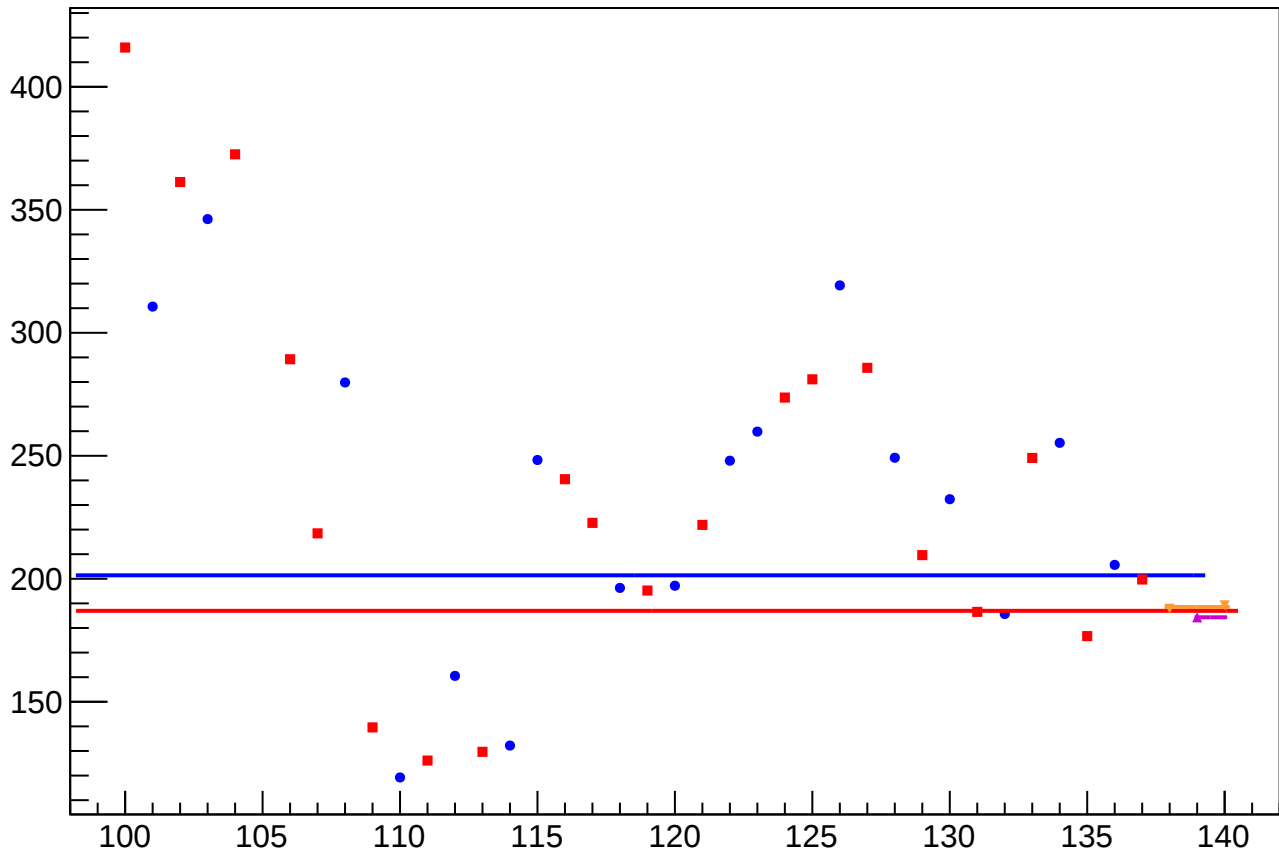
Left In: -127.989+/-226.182 χ^2/NDF : 0.0/0

230.655+/-72.769 χ^2/NDF : 495.1/18

-334.196+/-50.872 χ^2/NDF : 1166.1/39

-874.116+/-71.145 χ^2/NDF : 553.1/20

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 188.526 $\pm$ 0.110 χ^2 /NDF:39.2/1

Right Out: 186.973 $\pm$ 0.053 χ^2 /NDF: 1395397.8/19

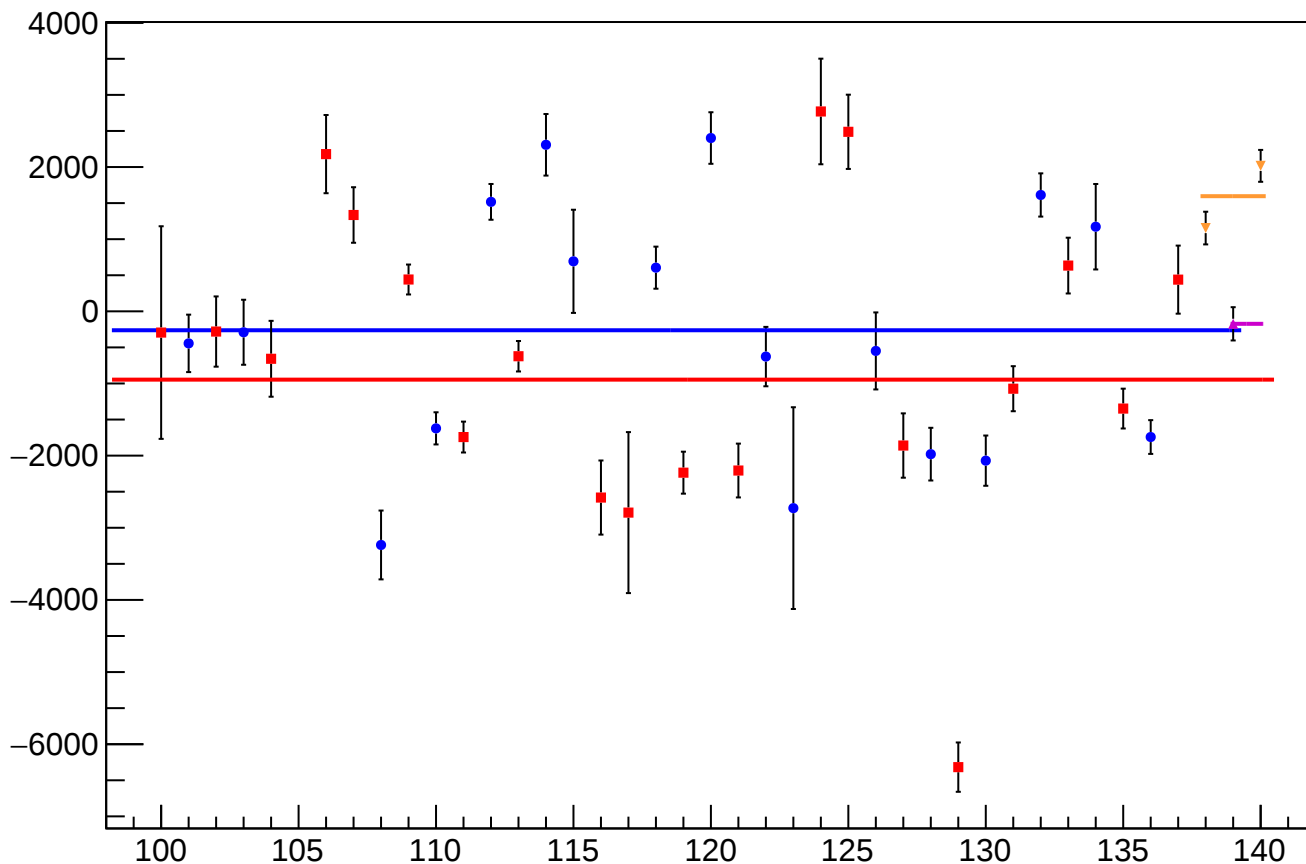
Left In: 184.345 $\pm$ 0.160 χ^2 /NDF:0.0/0

198.586 $\pm$ 0.051 χ^2 /NDF: 1066788.9/18

192.515 $\pm$ 0.036 χ^2 /NDF: 2489651.2/39

186.713 $\pm$ 0.050 χ^2 /NDF: 1395641.1/20

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 1595.934 ± 158.166 χ^2/NDF : 7.4/1

Right Out: -946.785 ± 78.241 χ^2/NDF : 524.6/19

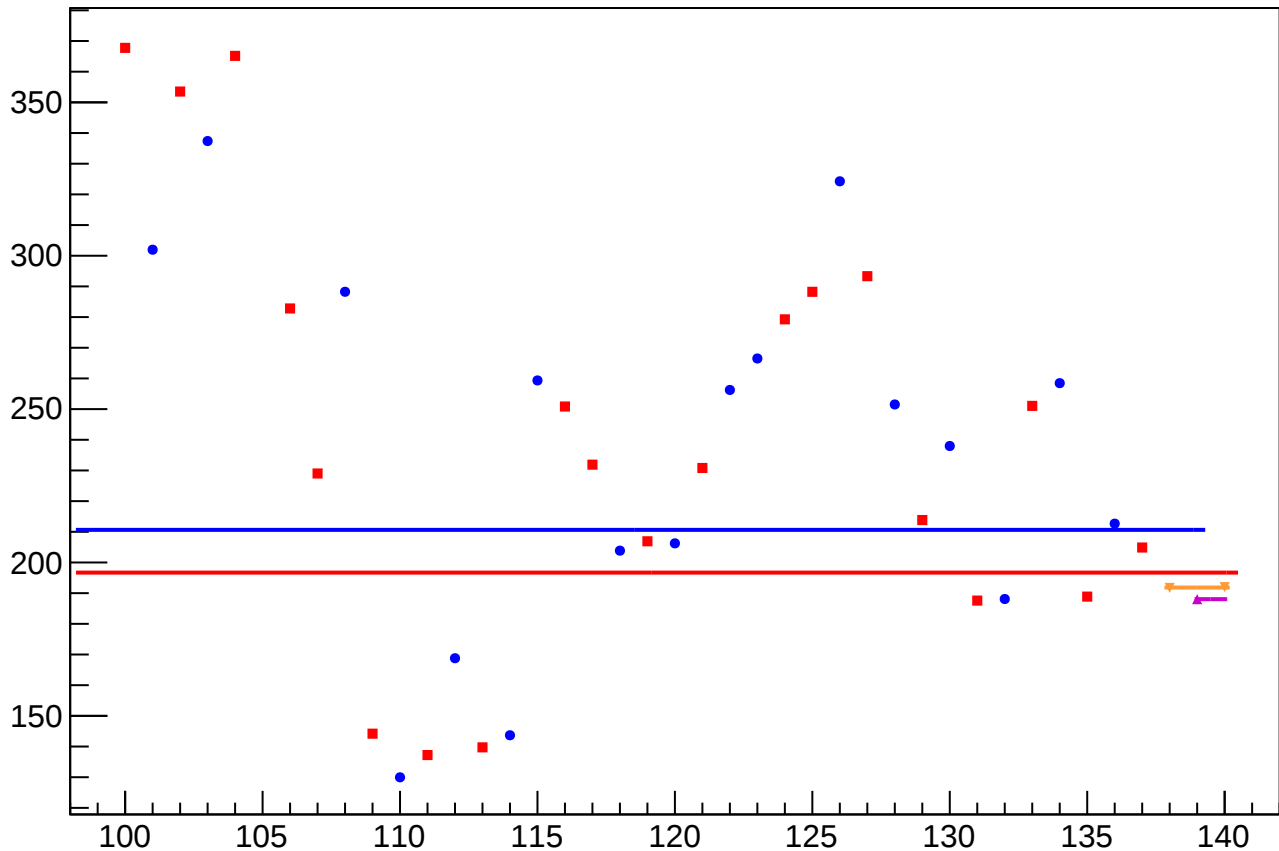
Left In: -173.197 ± 230.604 χ^2/NDF : 0.0/0

157.390 ± 75.169 χ^2/NDF : 483.0/18

-362.152 ± 52.768 χ^2/NDF : 1111.9/39

-866.926 ± 74.092 χ^2/NDF : 534.7/20

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 191.830 $\pm$ 0.112 χ^2 /NDF: 1.2/1

Right Out: 196.702 $\pm$ 0.055 χ^2 /NDF: 1207089.6/19

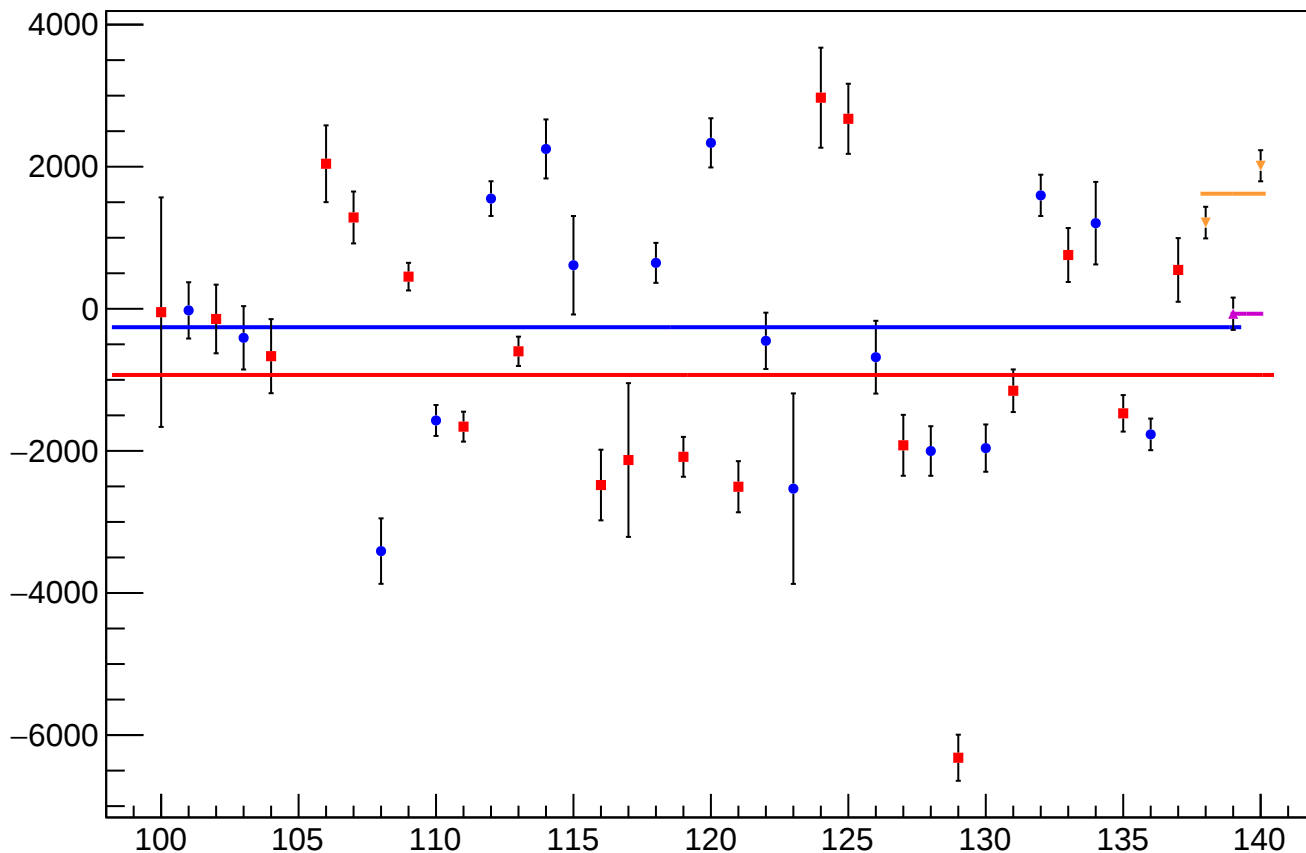
Left In: 188.046 $\pm$ 0.163 χ^2 /NDF: 0.0/0

206.388 $\pm$ 0.053 χ^2 /NDF: 897665.3/18

201.022 $\pm$ 0.037 χ^2 /NDF: 2127377.2/39

195.809 $\pm$ 0.052 χ^2 /NDF: 1209616.4/20

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139+/-82.802 χ^2/NDF : 391.2/16

Left Out: 1619.817+/-156.002 χ^2/NDF : 6.6/1

Right Out: -931.363+/-75.320 χ^2/NDF : 583.1/19

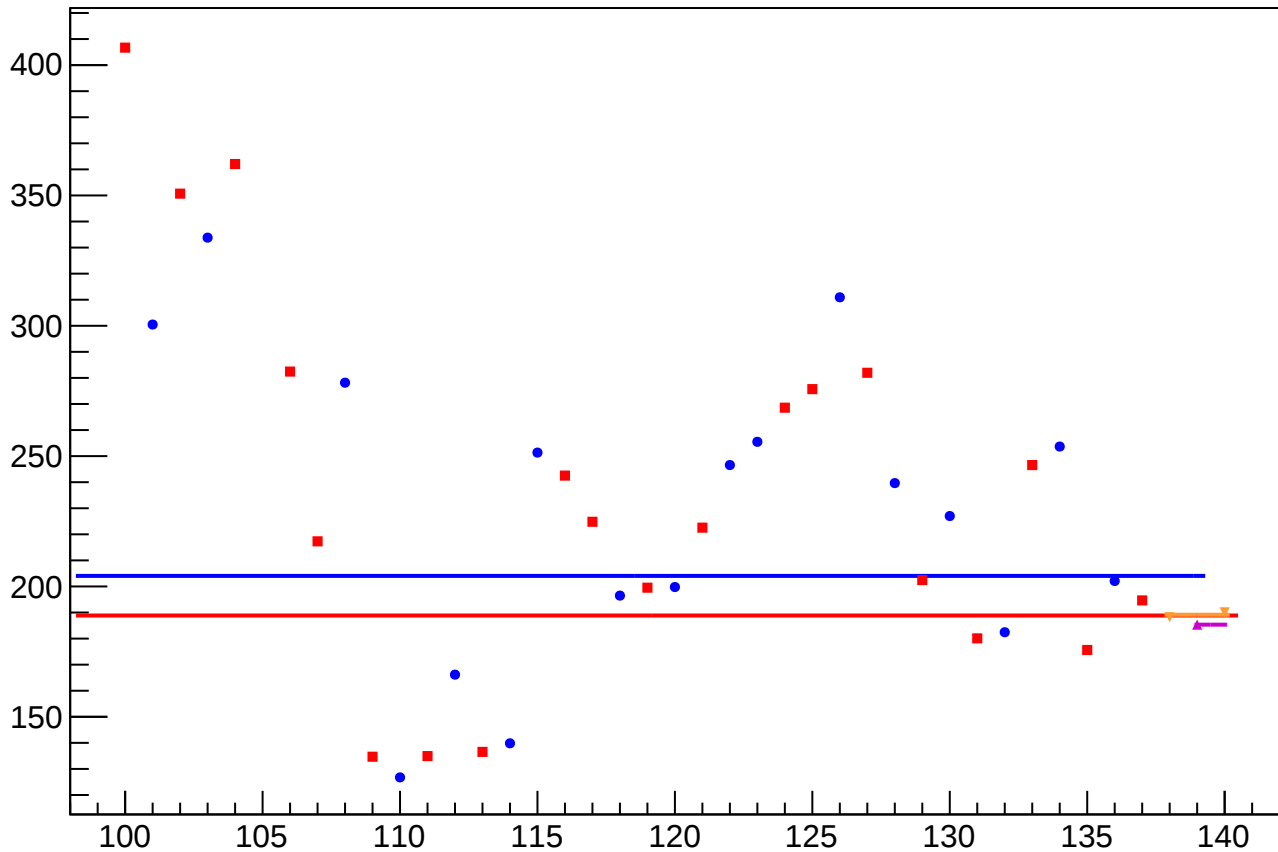
Left In: -69.628+/-227.381 χ^2/NDF : 0.0/0

153.853+/-73.138 χ^2/NDF : 511.0/18

-357.479+/-51.127 χ^2/NDF : 1202.6/39

-846.157+/-71.500 χ^2/NDF : 596.0/20

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 189.157 $\pm$ 0.110 χ^2 /NDF: 71.8/1

Right Out: 188.856 $\pm$ 0.053 χ^2 /NDF: 1253327.1/19

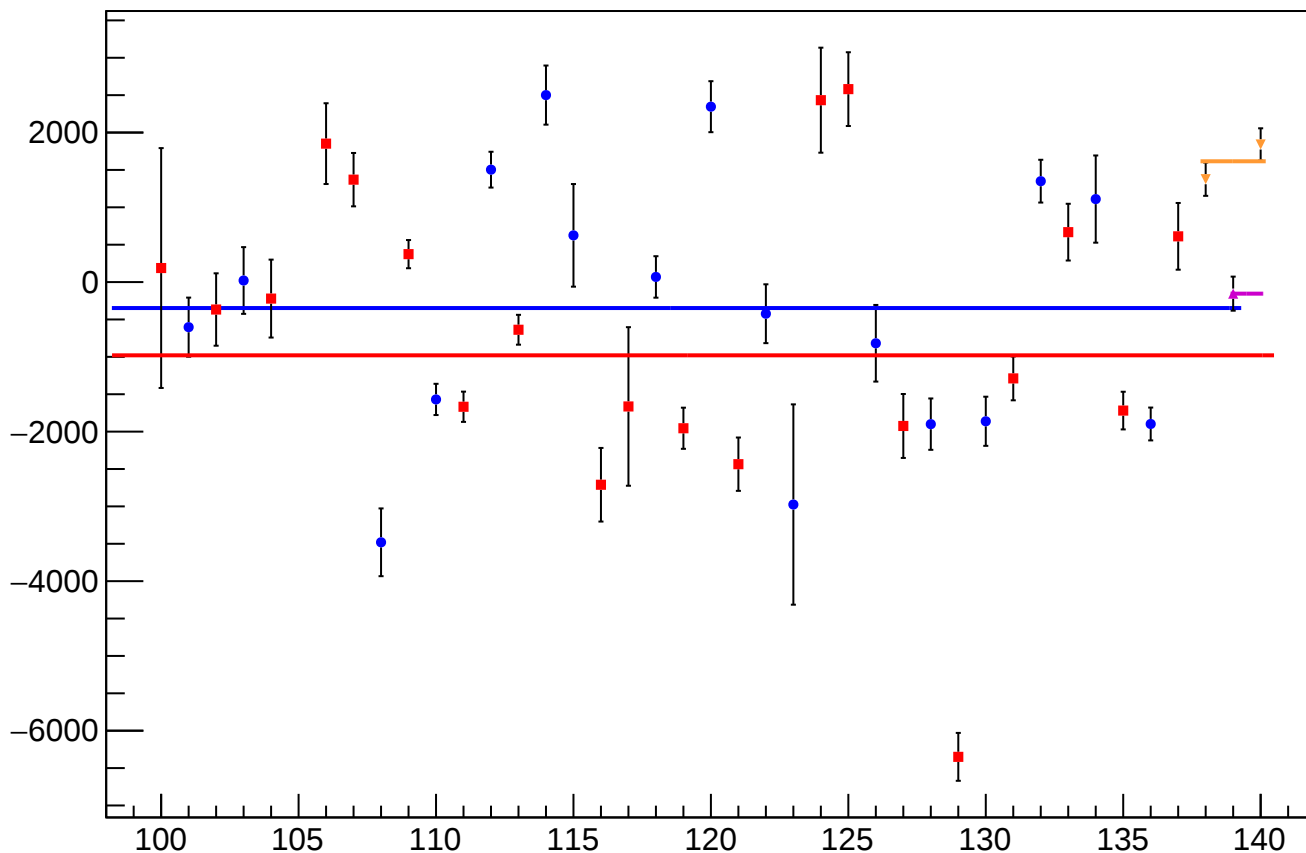
Left In: 185.346 $\pm$ 0.161 χ^2 /NDF: 0.0/0

200.777 $\pm$ 0.052 χ^2 /NDF: 882718.7/18

194.504 $\pm$ 0.036 χ^2 /NDF: 2165252.3/39

188.509 $\pm$ 0.051 χ^2 /NDF: 1253756.4/20

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 1615.659 ± 155.124 $\chi^2/\text{NDF}: 2.2/1$

Right Out: -979.606 ± 73.710 $\chi^2/\text{NDF}: 586.1/19$

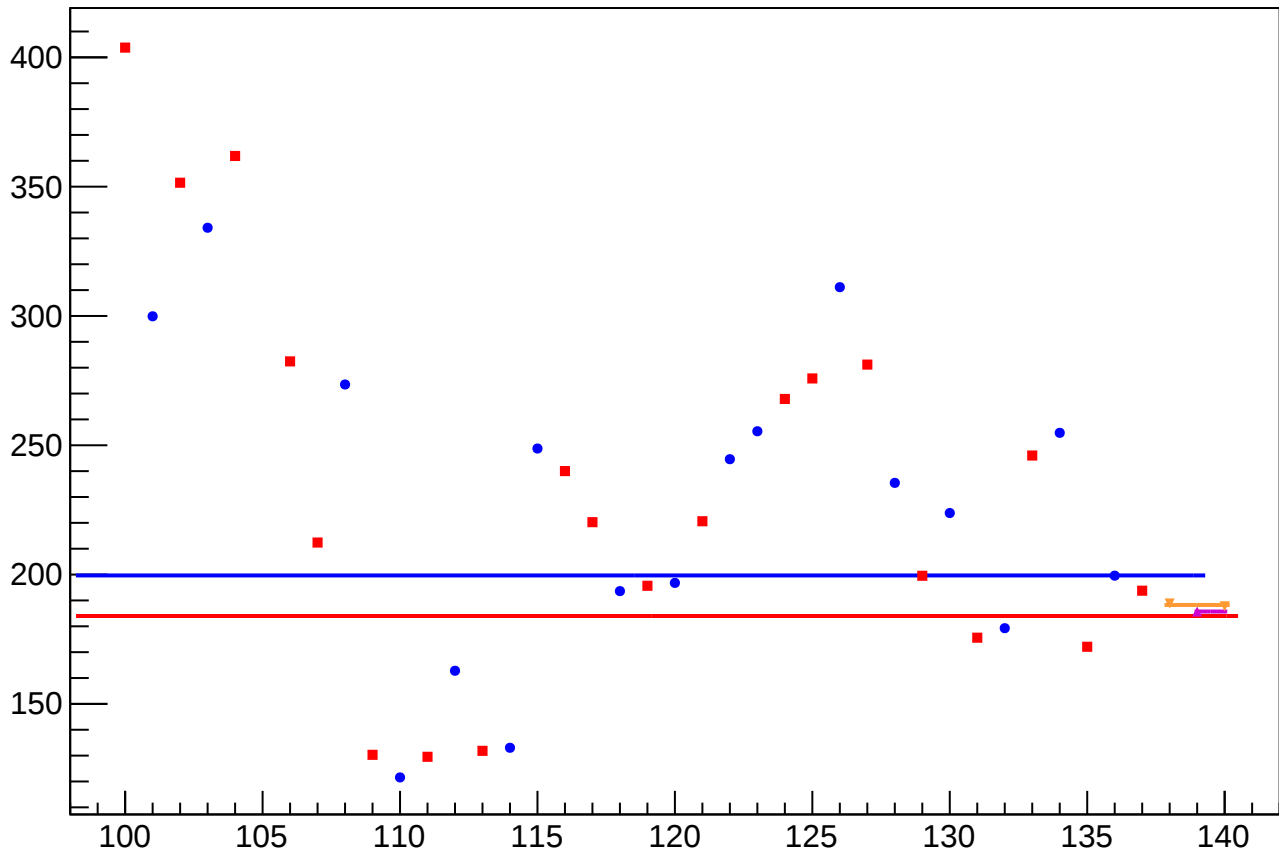
Left In: -154.785 ± 227.789 $\chi^2/\text{NDF}: 0.0/0$

75.883 ± 72.022 $\chi^2/\text{NDF}: 526.9/18$

-425.776 ± 50.245 $\chi^2/\text{NDF}: 1219.4/39$

-901.425 ± 70.130 $\chi^2/\text{NDF}: 598.0/20$

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 188.252 $\pm$ 0.110 χ^2 /NDF:24.4/1

Right Out: 183.984 $\pm$ 0.052 χ^2 /NDF: 1351978.1/19

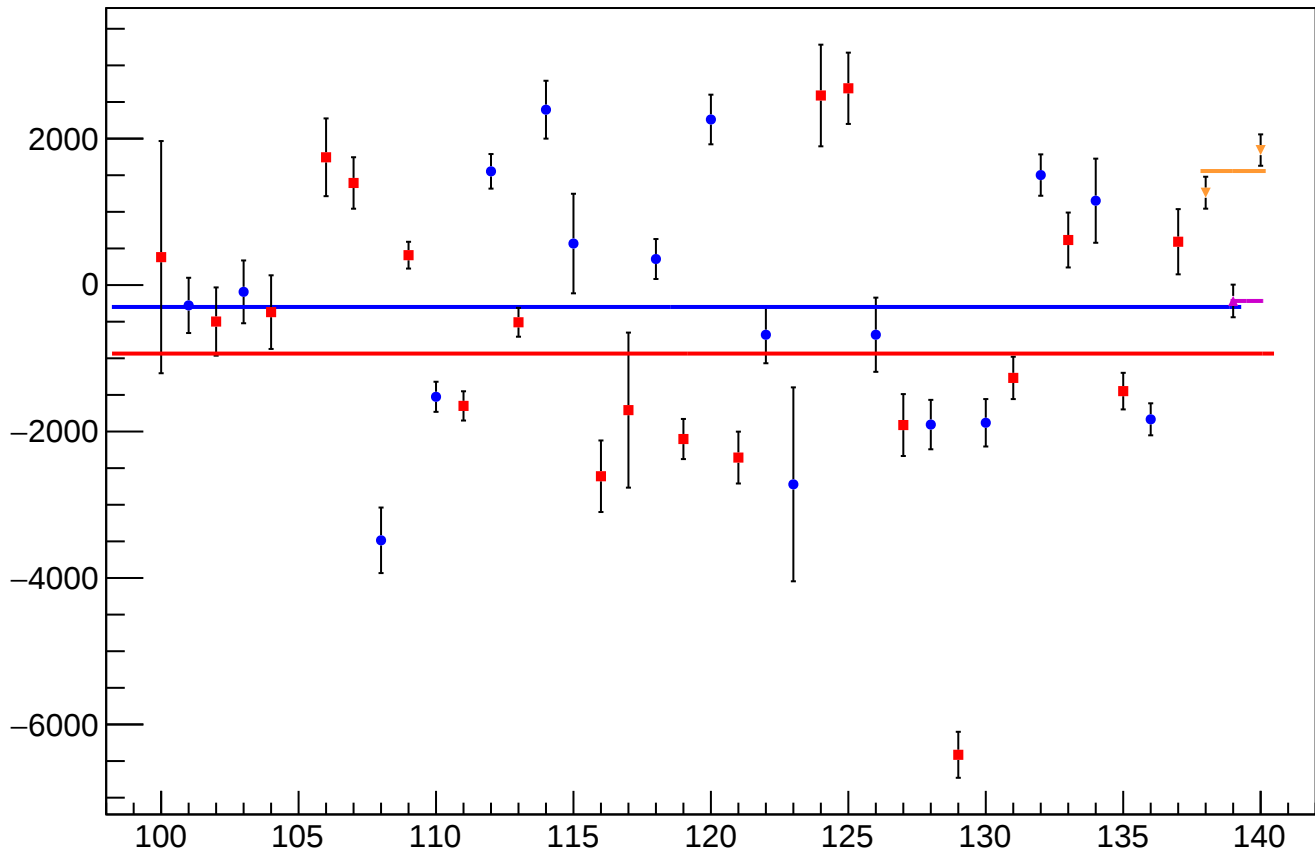
Left In: 185.714 $\pm$ 0.161 χ^2 /NDF:0.0/0

197.208 $\pm$ 0.051 χ^2 /NDF: 951677.5/18

190.504 $\pm$ 0.036 χ^2 /NDF: 2337515.6/39

184.148 $\pm$ 0.050 χ^2 /NDF: 1352082.5/20

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -298.963 ± 80.162 $\chi^2/\text{NDF}: 406.6/16$

Left Out: 1557.352 ± 152.918 $\chi^2/\text{NDF}: 3.6/1$

Right Out: -935.490 ± 72.580 $\chi^2/\text{NDF}: 615.3/19$

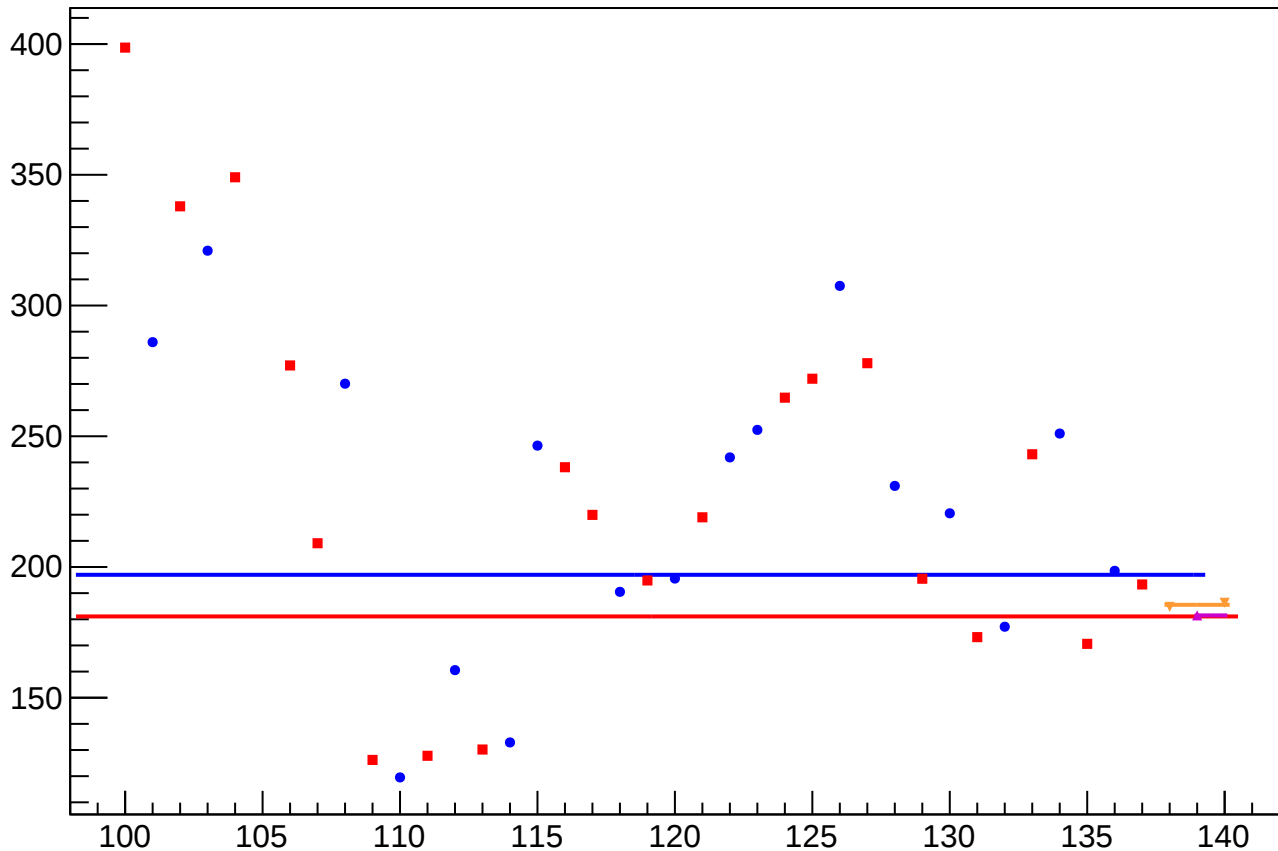
Left In: -216.864 ± 222.717 $\chi^2/\text{NDF}: 0.0/0$

101.190 ± 70.998 $\chi^2/\text{NDF}: 525.8/18$

-396.408 ± 49.485 $\chi^2/\text{NDF}: 1246.1/39$

-866.499 ± 69.008 $\chi^2/\text{NDF}: 624.7/20$

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 185.538 $\pm$ 0.108 χ^2 /NDF:53.1/1

Right Out: 181.089 $\pm$ 0.051 χ^2 /NDF: 1348390.5/19

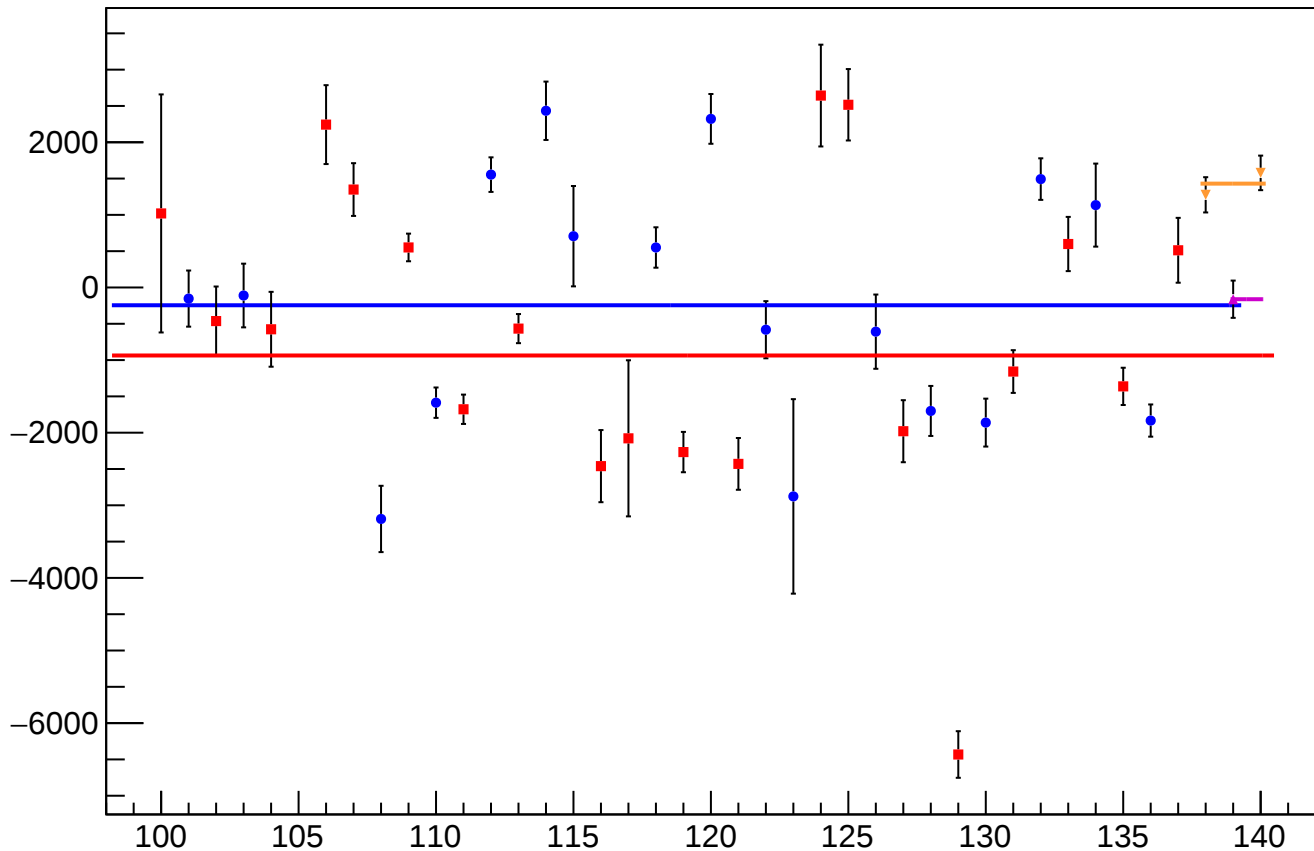
Left In: 181.493 $\pm$ 0.157 χ^2 /NDF:0.0/0

194.540 $\pm$ 0.050 χ^2 /NDF: 920811.9/18

187.643 $\pm$ 0.035 χ^2 /NDF: 2305905.5/39

181.128 $\pm$ 0.049 χ^2 /NDF: 1348396.5/20

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925 $\pm$ 81.395 χ^2/NDF : 391.4/16

Left Out: 1430.175 $\pm$ 169.921 χ^2/NDF : 0.8/1

Right Out: -936.709 $\pm$ 74.030 χ^2/NDF : 610.9/19

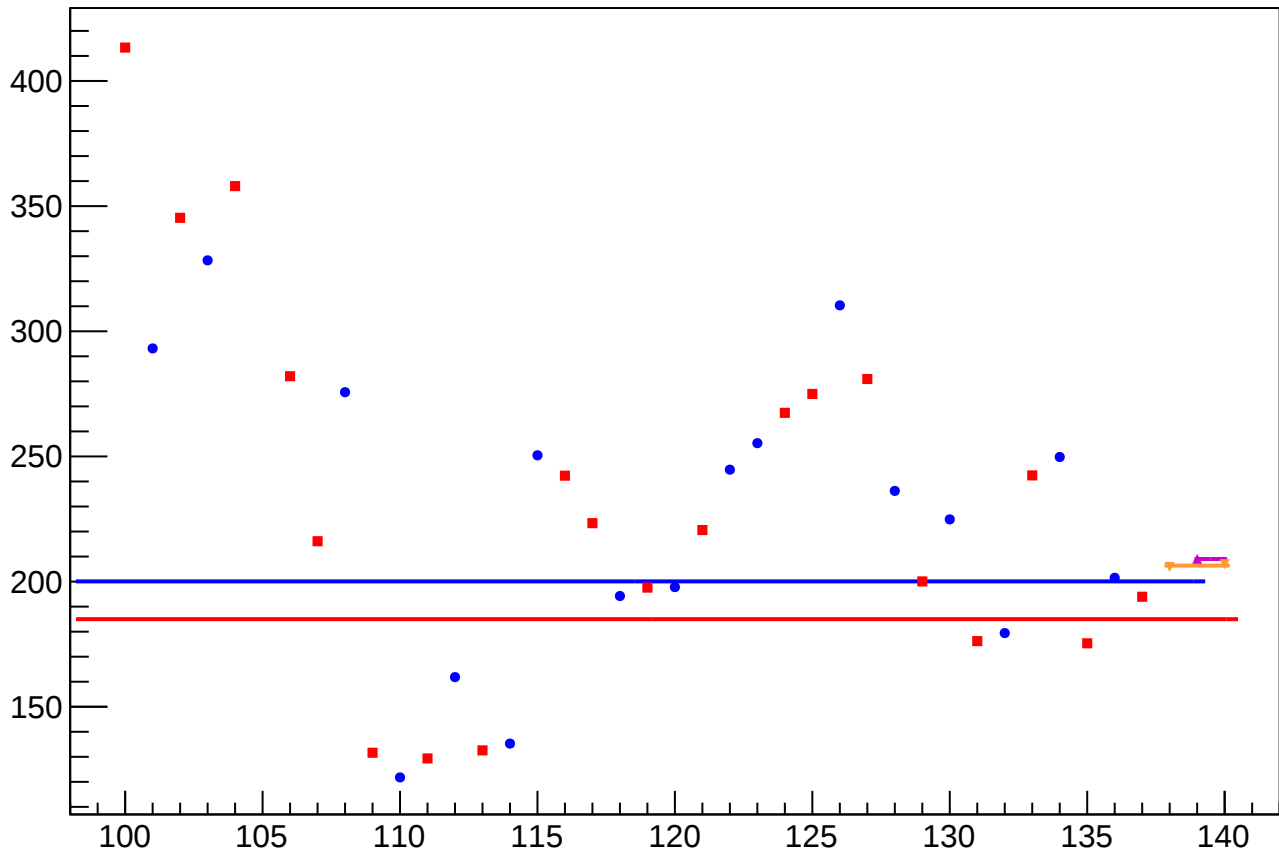
Left In: -161.769 $\pm$ 256.589 χ^2/NDF : 0.0/0

67.704 $\pm$ 73.408 χ^2/NDF : 471.2/18

-419.624 $\pm$ 51.082 χ^2/NDF : 1176.0/39

-877.160 $\pm$ 71.128 χ^2/NDF : 619.3/20

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.078 $\pm$ 0.058 χ^2 /NDF: 918309.2/16

Left Out: 206.385 $\pm$ 0.120 χ^2 /NDF:20.7/1

Right Out: 184.990 $\pm$ 0.052 χ^2 /NDF: 1320825.4/19

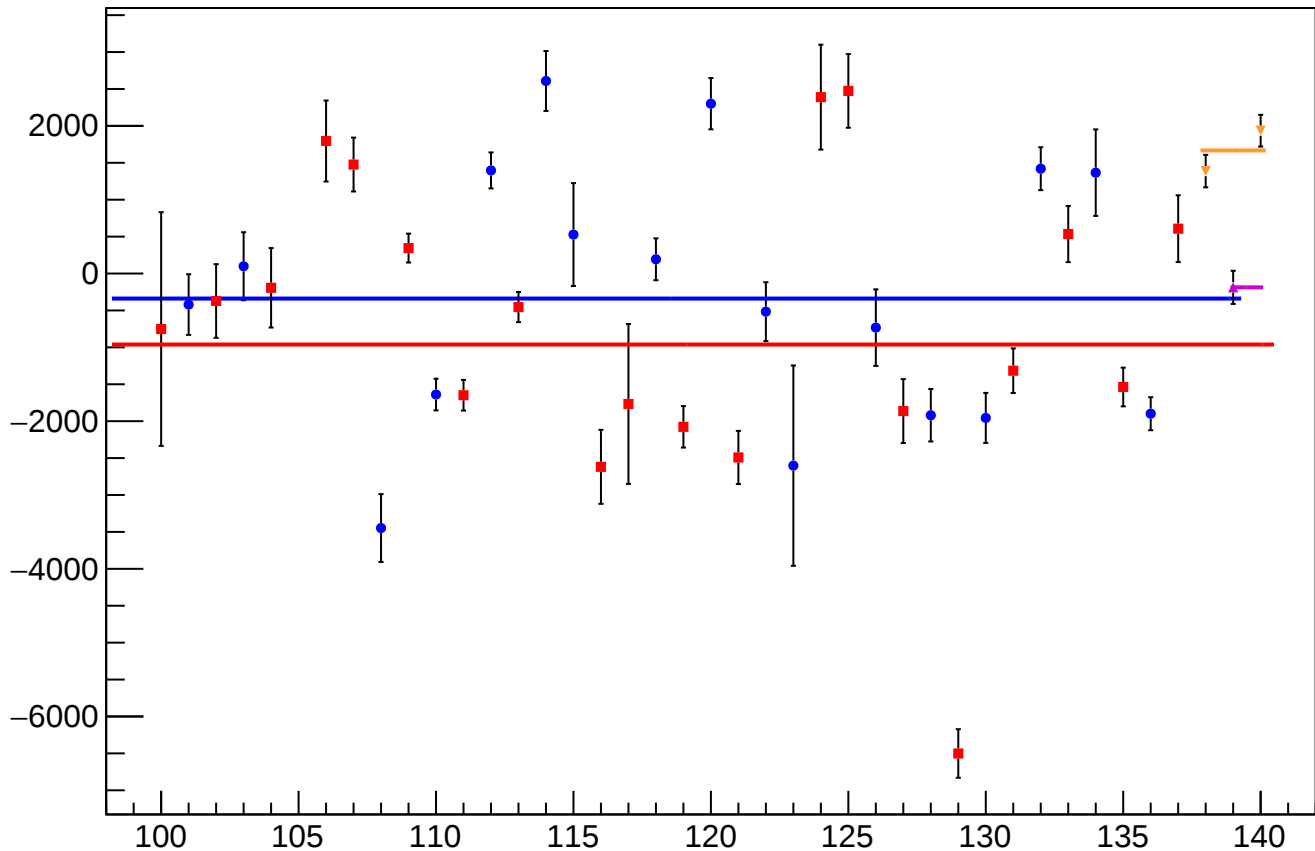
Left In: 209.028 $\pm$ 0.181 χ^2 /NDF:0.0/0

201.255 $\pm$ 0.052 χ^2 /NDF: 920571.1/18

193.819 $\pm$ 0.036 χ^2 /NDF: 2297394.4/39

186.837 $\pm$ 0.050 χ^2 /NDF: 1337029.1/20

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 1667.661 ± 153.847 $\chi^2/\text{NDF}: 3.2/1$

Right Out: -961.556 ± 75.564 $\chi^2/\text{NDF}: 570.9/19$

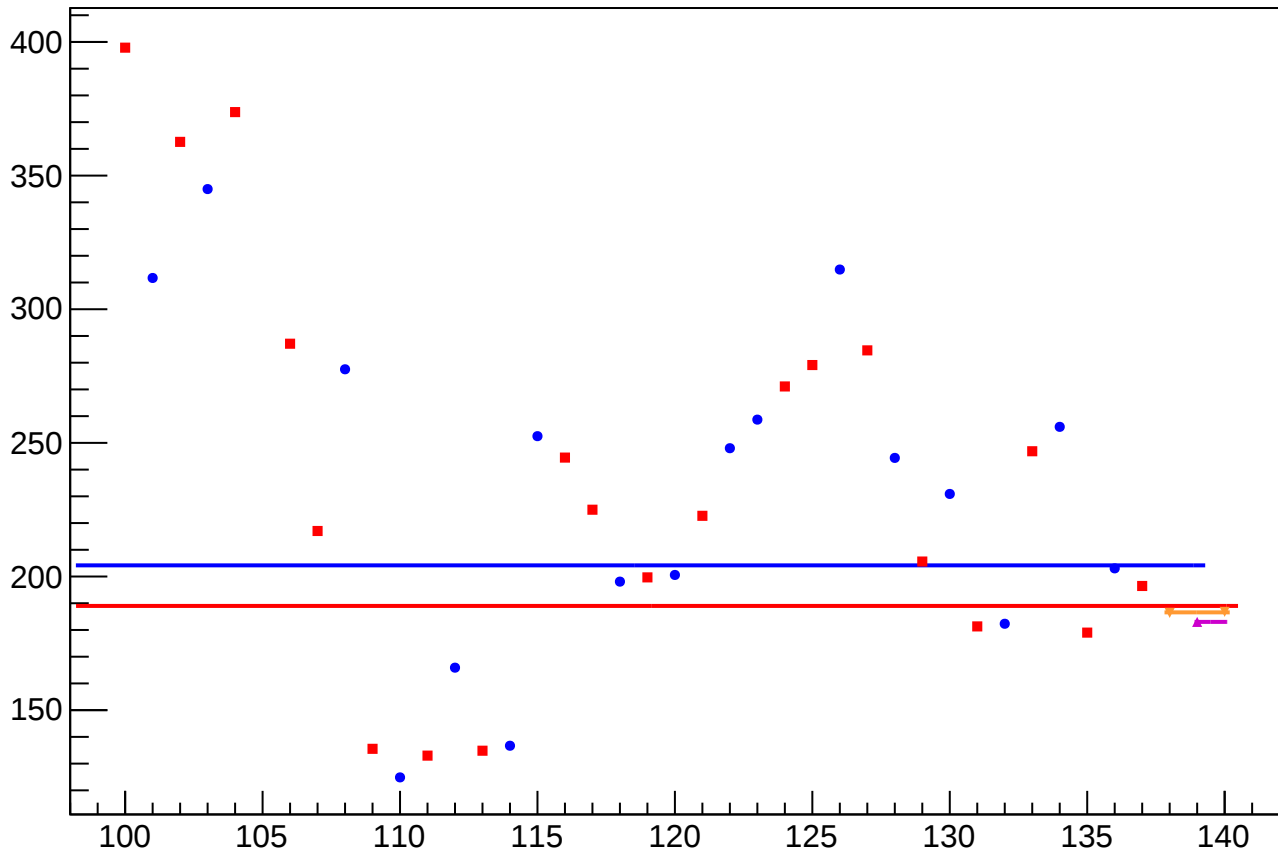
Left In: -187.378 ± 224.587 $\chi^2/\text{NDF}: 0.0/0$

114.447 ± 73.131 $\chi^2/\text{NDF}: 524.3/18$

-394.608 ± 51.168 $\chi^2/\text{NDF}: 1200.8/39$

-882.828 ± 71.619 $\chi^2/\text{NDF}: 581.5/20$

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 186.588 $\pm$ 0.109 χ^2 /NDF: 3.2/1

Right Out: 188.997 $\pm$ 0.053 χ^2 /NDF: 1317112.1/19

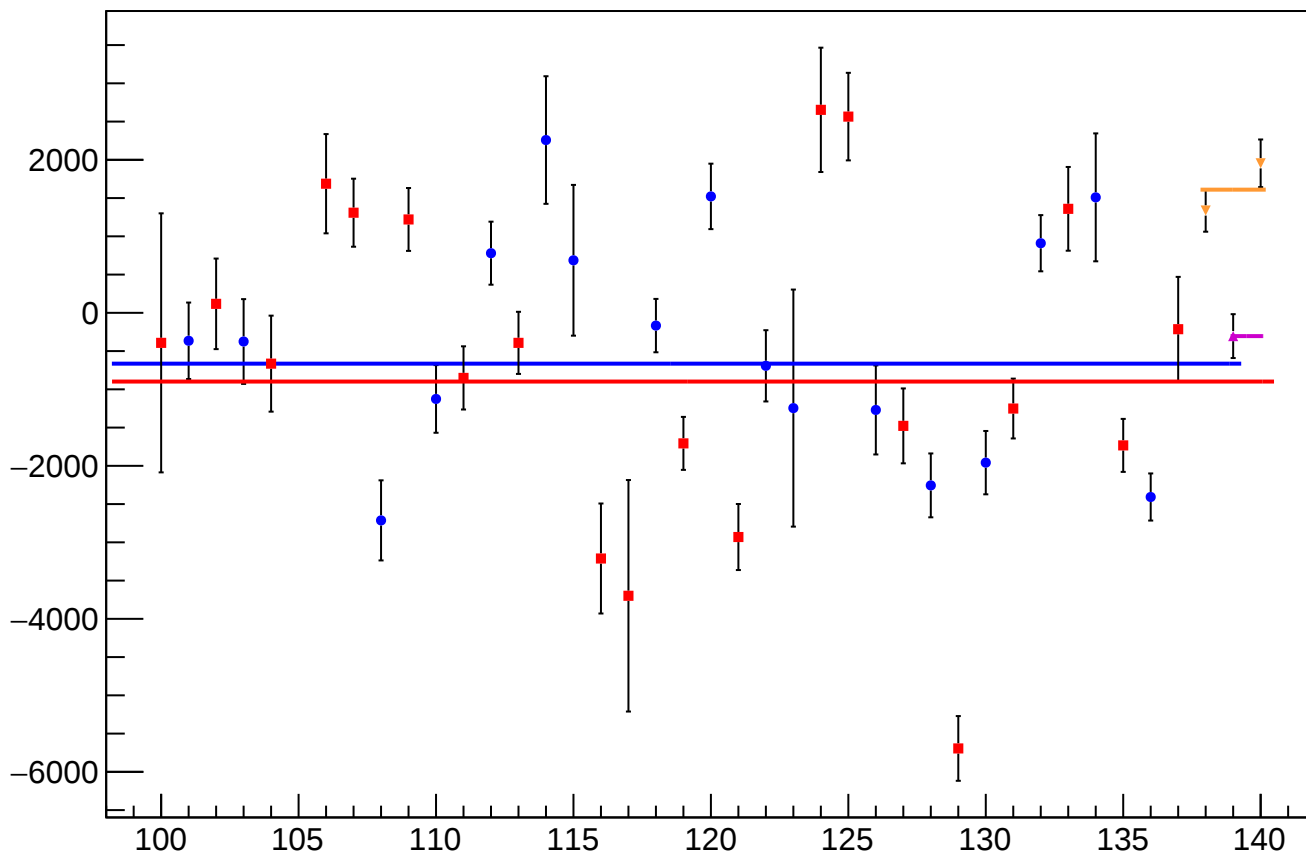
Left In: 183.021 $\pm$ 0.159 χ^2 /NDF: 0.0/0

200.201 $\pm$ 0.052 χ^2 /NDF: 967671.0/18

194.172 $\pm$ 0.036 χ^2 /NDF: 2312687.7/39

188.389 $\pm$ 0.051 χ^2 /NDF: 1318384.2/20

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 1610.067 ± 206.960 χ^2/NDF : 2.2/1

Right Out: -898.290 ± 110.578 χ^2/NDF : 323.5/19

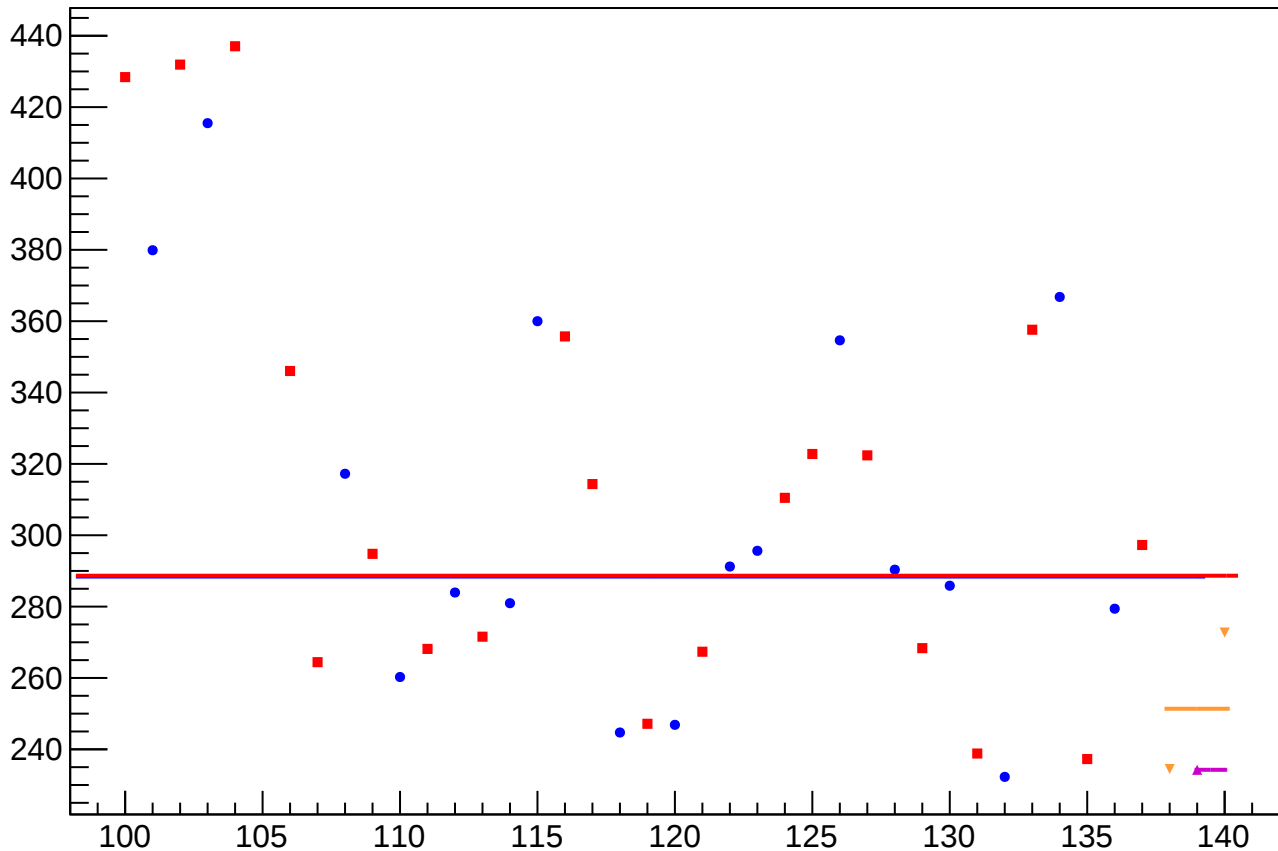
Left In: -304.261 ± 286.762 χ^2/NDF : 0.0/0

-135.295 ± 99.819 χ^2/NDF : 249.2/18

-467.011 ± 71.739 χ^2/NDF : 599.3/39

-821.395 ± 103.173 χ^2/NDF : 327.2/20

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428+/-0.081 χ^2/NDF : 339820.0/16

Left Out: 251.375+/-0.146 χ^2/NDF : 16846.5/1

Right Out: 288.660+/-0.078 χ^2/NDF : 455989.7/19

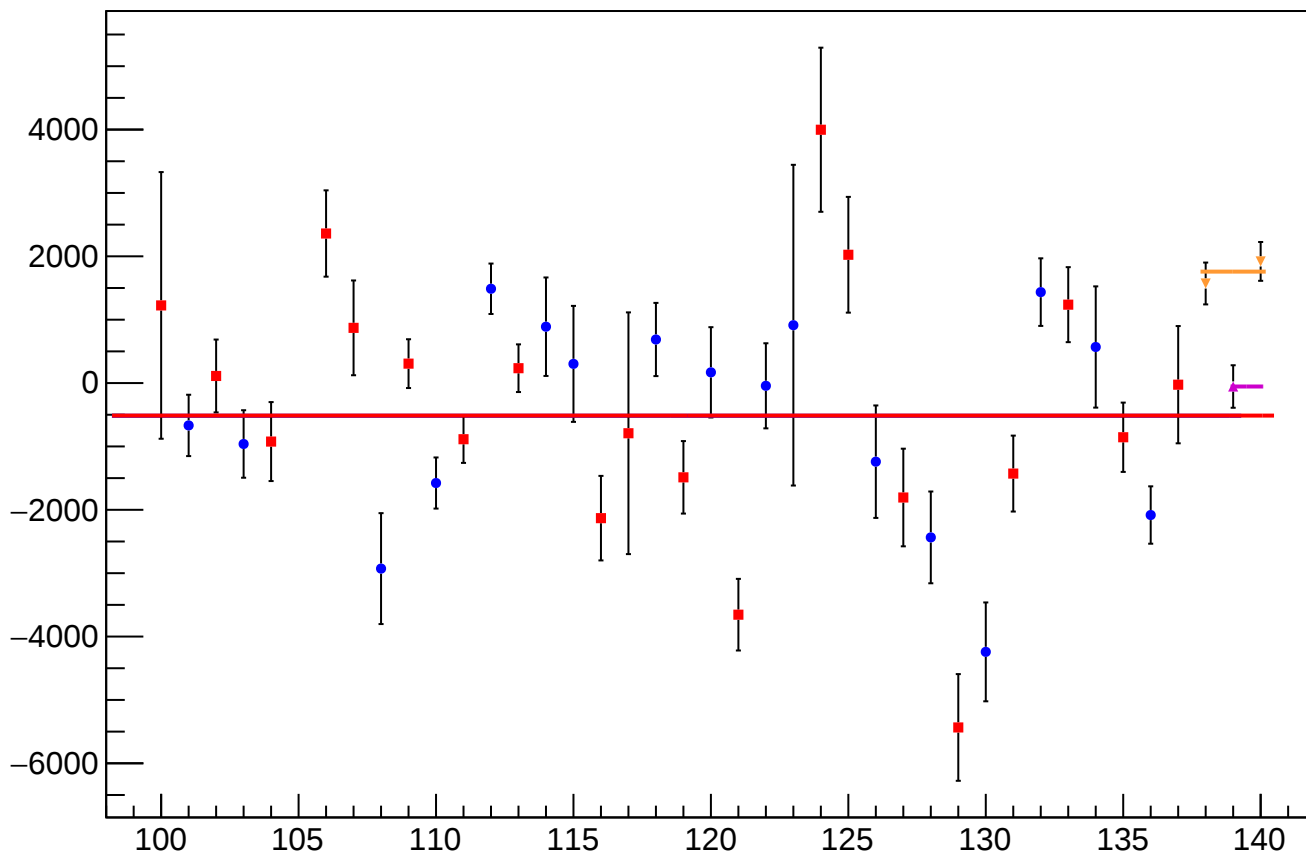
Left In: 234.261+/-0.203 χ^2/NDF : 0.0/0

279.809+/-0.071 χ^2/NDF : 405860.8/18

280.684+/-0.051 χ^2/NDF : 924824.6/39

281.618+/-0.073 χ^2/NDF : 518646.0/20

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894+/-147.326 χ^2/NDF : 108.0/16

Left Out: 1758.600+/-224.564 χ^2/NDF : 0.6/1

Right Out: -513.264+/-135.456 χ^2/NDF : 141.3/19

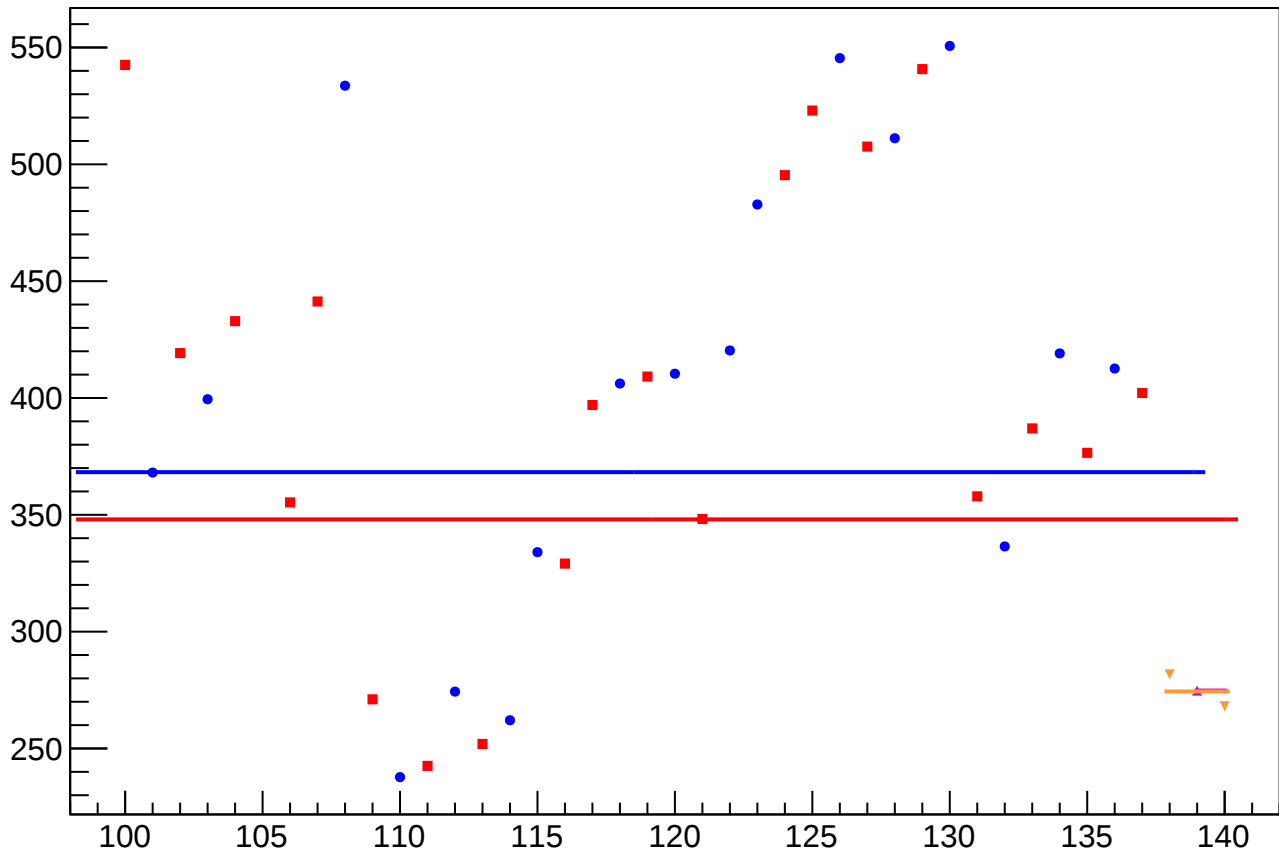
Left In: -54.348+/-335.417 χ^2/NDF : 0.0/0

168.500+/-123.183 χ^2/NDF : 180.3/18

-134.209+/-87.946 χ^2/NDF : 335.5/39

-448.915+/-125.600 χ^2/NDF : 142.9/20

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.264 ± 0.104 $\chi^2/\text{NDF}: 770116.6/16$

Left Out: 274.401 ± 0.159 $\chi^2/\text{NDF}: 1838.4/1$

Right Out: 348.050 ± 0.096 $\chi^2/\text{NDF}: 823186.4/19$

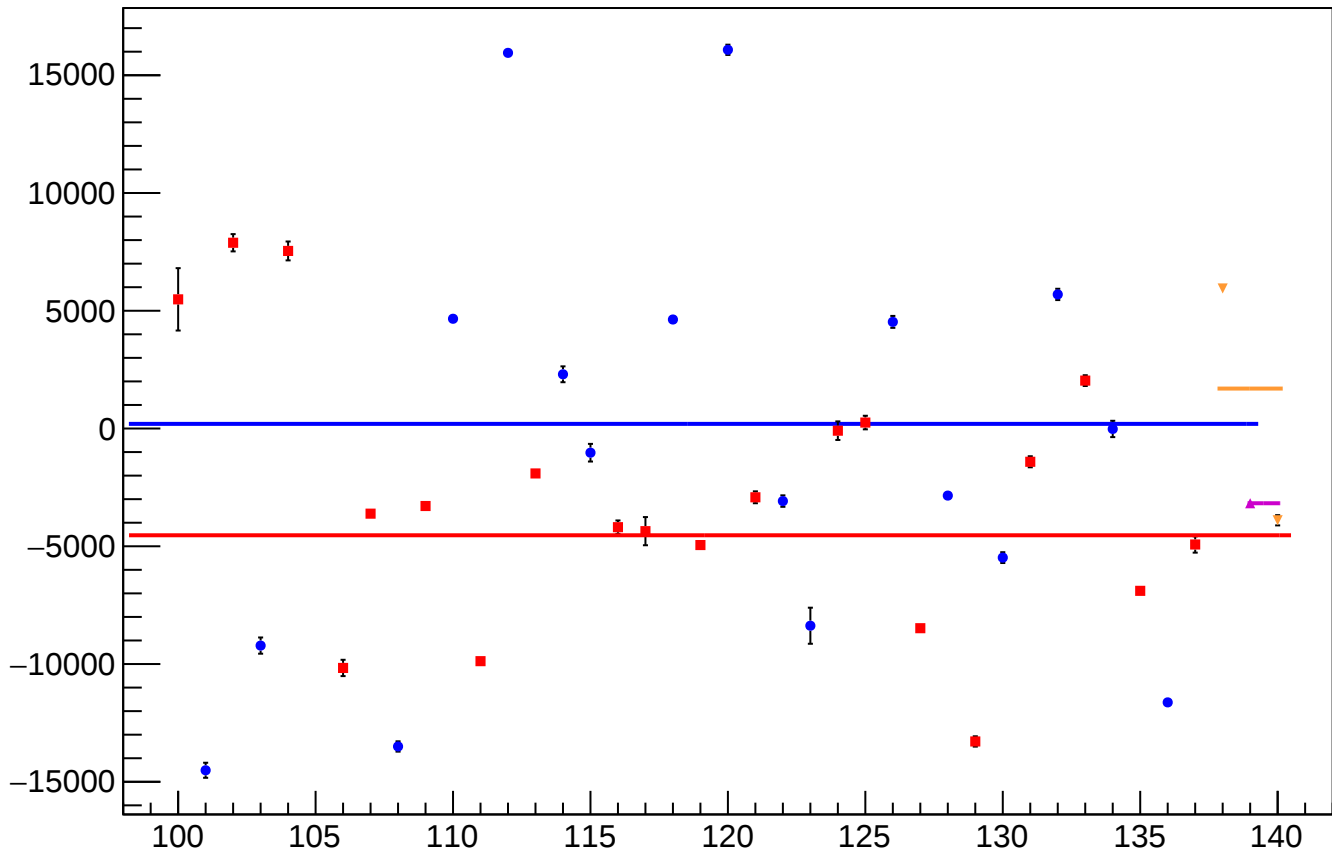
Left In: 274.787 ± 0.237 $\chi^2/\text{NDF}: 0.0/0$

340.021 ± 0.087 $\chi^2/\text{NDF}: 1016231.2/18$

338.921 ± 0.062 $\chi^2/\text{NDF}: 1921782.4/39$

337.777 ± 0.089 $\chi^2/\text{NDF}: 905225.9/20$

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: 1696.175+/-142.948 χ^2/NDF : 1163.2/1

Right Out: -4532.856+/-52.261 χ^2/NDF : 7477.3/19

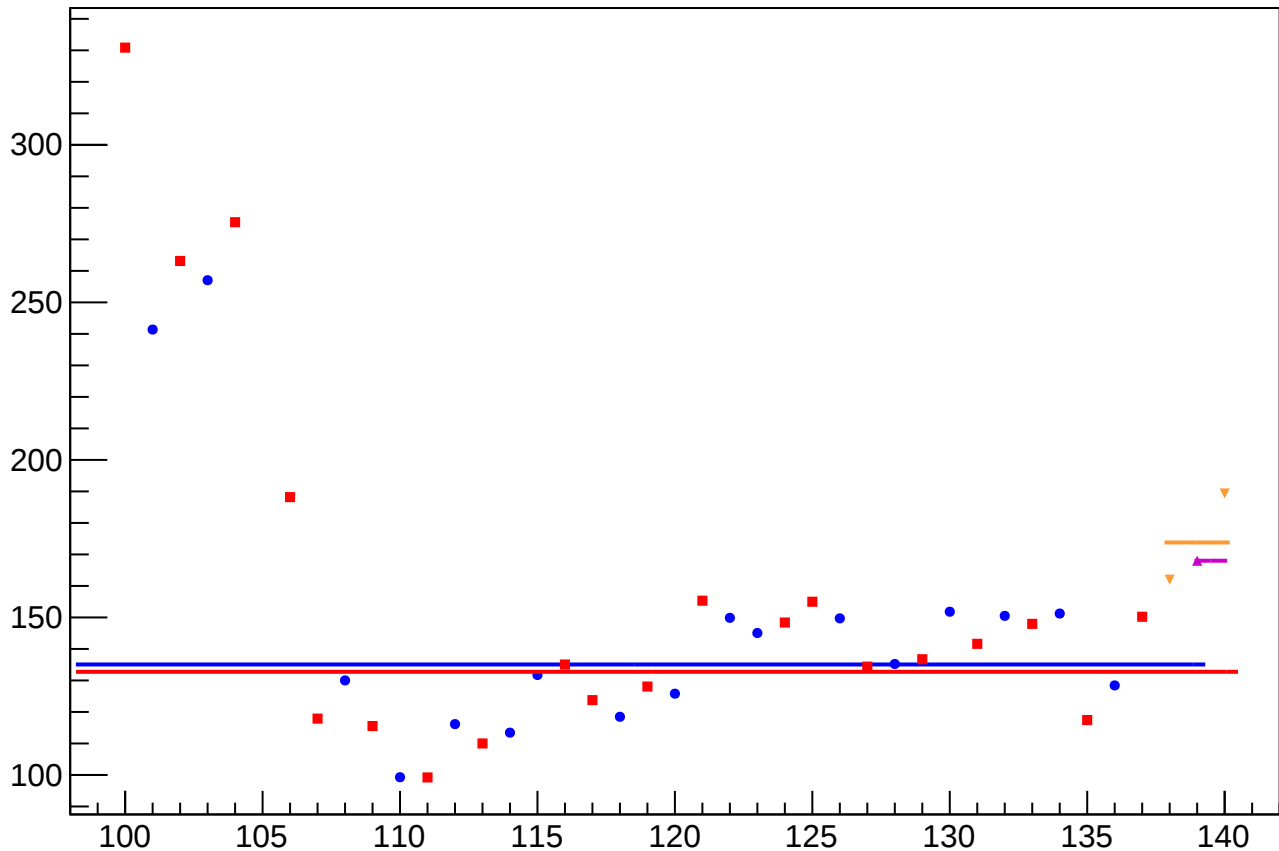
Left In: -3173.321+/-206.324 χ^2/NDF : 0.0/0

389.089+/-51.168 χ^2/NDF : 31917.4/18

-2054.977+/-36.001 χ^2/NDF : 43953.7/39

-4450.888+/-50.661 χ^2/NDF : 7518.1/20

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 173.801 $\pm$ 0.101 χ^2 /NDF: 17987.1/1

Right Out: 132.747 $\pm$ 0.037 χ^2 /NDF: 831647.2/19

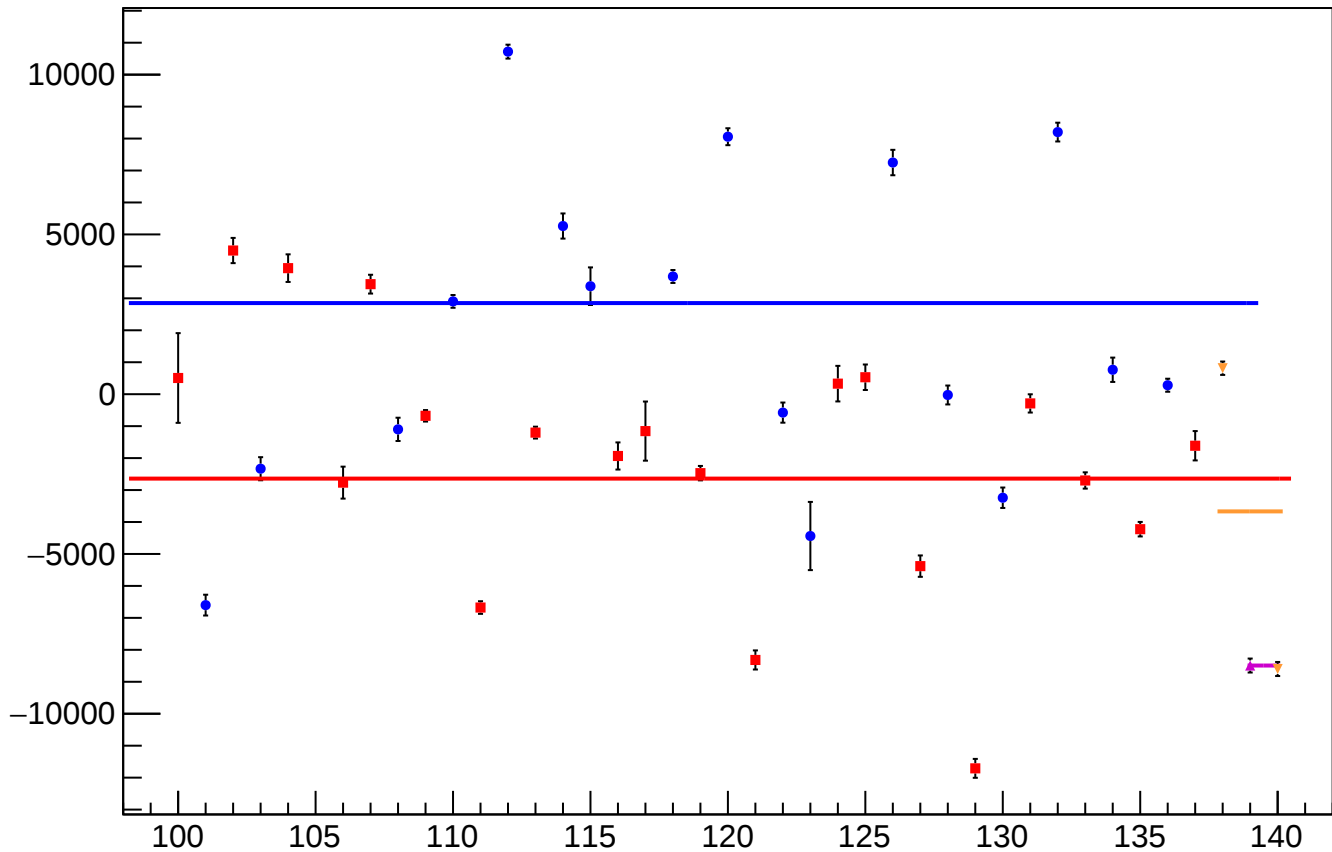
Left In: 168.006 $\pm$ 0.146 χ^2 /NDF: 0.0/0

140.034 $\pm$ 0.036 χ^2 /NDF: 804688.6/18

137.428 $\pm$ 0.025 χ^2 /NDF: 1701498.1/39

134.873 $\pm$ 0.036 χ^2 /NDF: 886534.1/20

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -3667.929+/-151.661 χ^2/NDF : 960.8/1

Right Out: -2641.642+/-65.566 χ^2/NDF : 3178.3/19

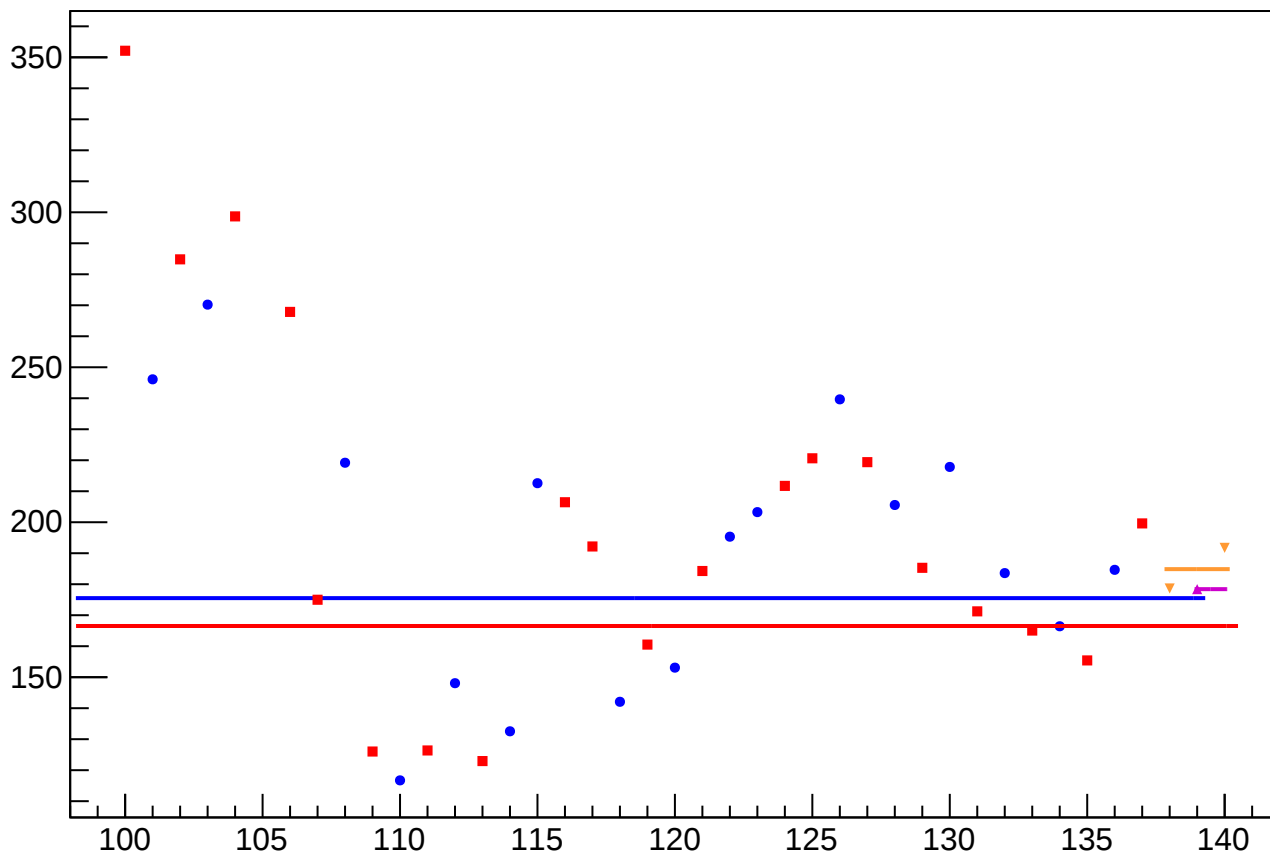
Left In: -8491.955+/-218.578 χ^2/NDF : 0.0/0

1686.152+/-64.119 χ^2/NDF : 6656.5/18

-769.170+/-44.866 χ^2/NDF : 13365.1/39

-3124.591+/-62.801 χ^2/NDF : 3835.5/20

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 184.869 $\pm$ 0.107 χ^2 /NDF: 3724.2/1

Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

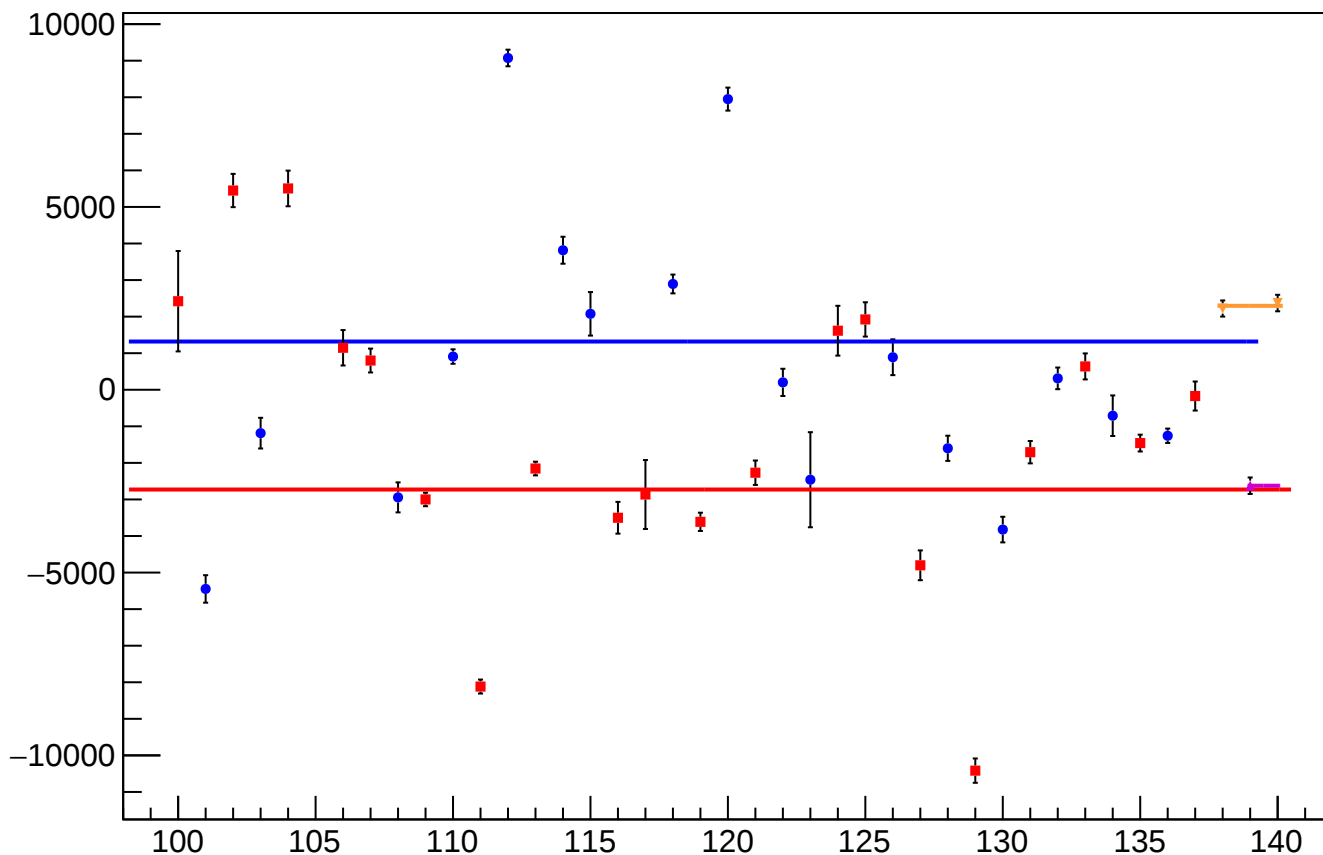
Left In: 178.411 $\pm$ 0.155 χ^2 /NDF: 0.0/0

177.186 $\pm$ 0.045 χ^2 /NDF: 699615.1/18

172.244 $\pm$ 0.032 χ^2 /NDF: 1659400.2/39

167.504 $\pm$ 0.044 χ^2 /NDF: 936507.9/20

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 2294.713+/-157.601 χ^2/NDF : 0.2/1

Right Out: -2728.550+/-69.837 χ^2/NDF : 2495.9/19

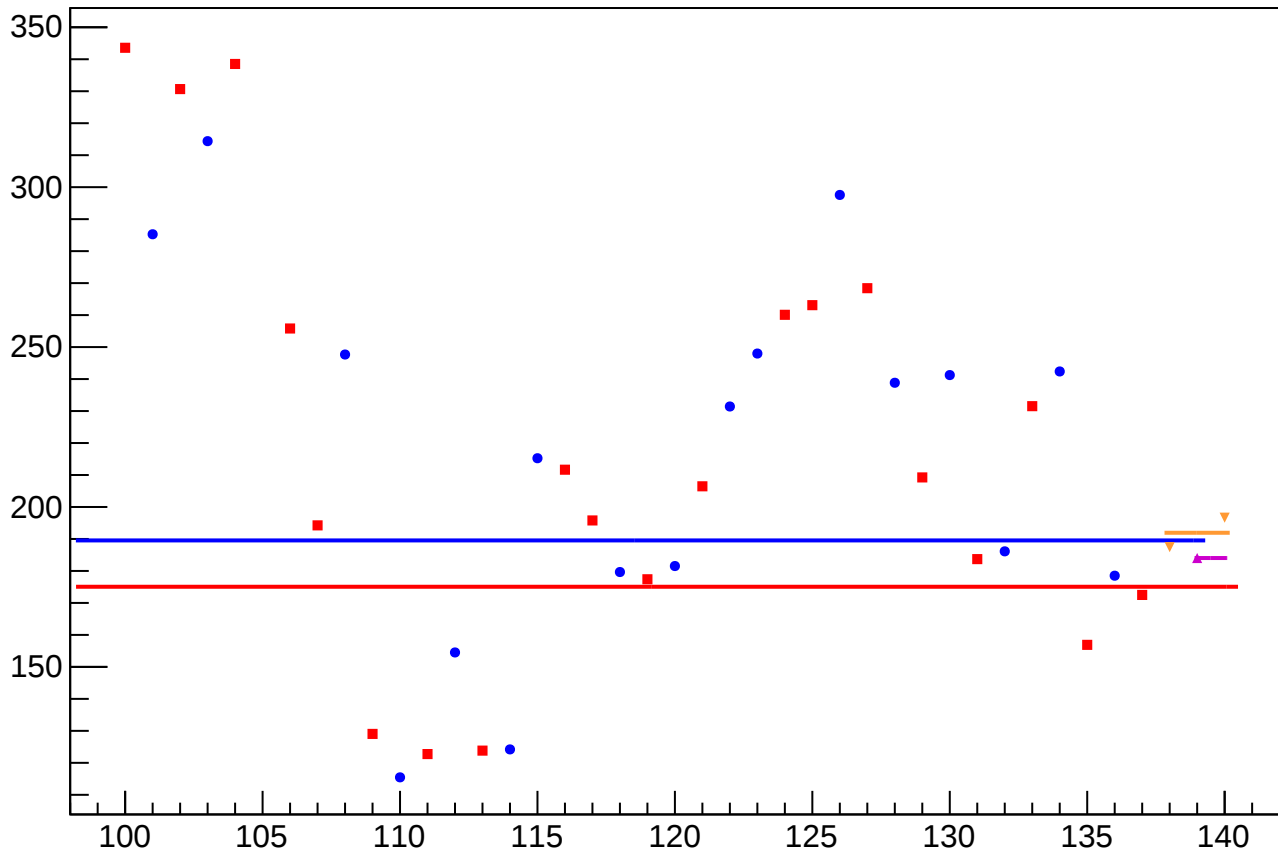
Left In: -2624.561+/-225.333 χ^2/NDF : 0.0/0

1507.608+/-69.290 χ^2/NDF : 2698.2/18

-686.177+/-48.056 χ^2/NDF : 7125.8/39

-2719.436+/-66.706 χ^2/NDF : 2496.1/20

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 191.939+/-0.111 χ^2/NDF : 1708.6/1

Right Out: 175.058+/-0.049 χ^2/NDF : 1298079.7/19

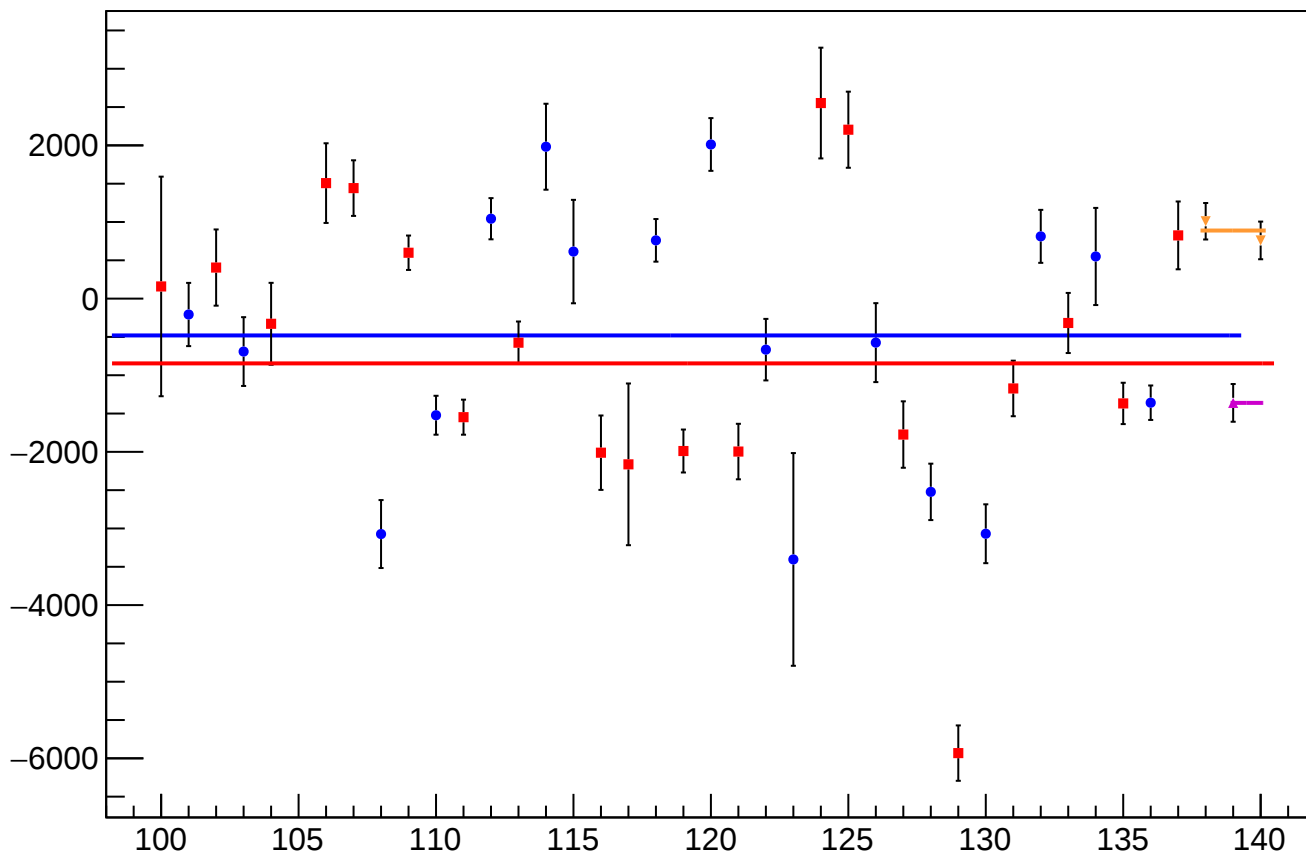
Left In: 184.041+/-0.159 χ^2/NDF : 0.0/0

190.007+/-0.049 χ^2/NDF : 982825.7/18

182.657+/-0.034 χ^2/NDF : 2327166.2/39

175.845+/-0.047 χ^2/NDF : 1300979.8/20

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 $\pm$ 88.640 χ^2/NDF : 290.7/16

Left Out: 888.607 $\pm$ 170.997 χ^2/NDF : 0.5/1

Right Out: -845.444 $\pm$ 81.995 χ^2/NDF : 436.9/19

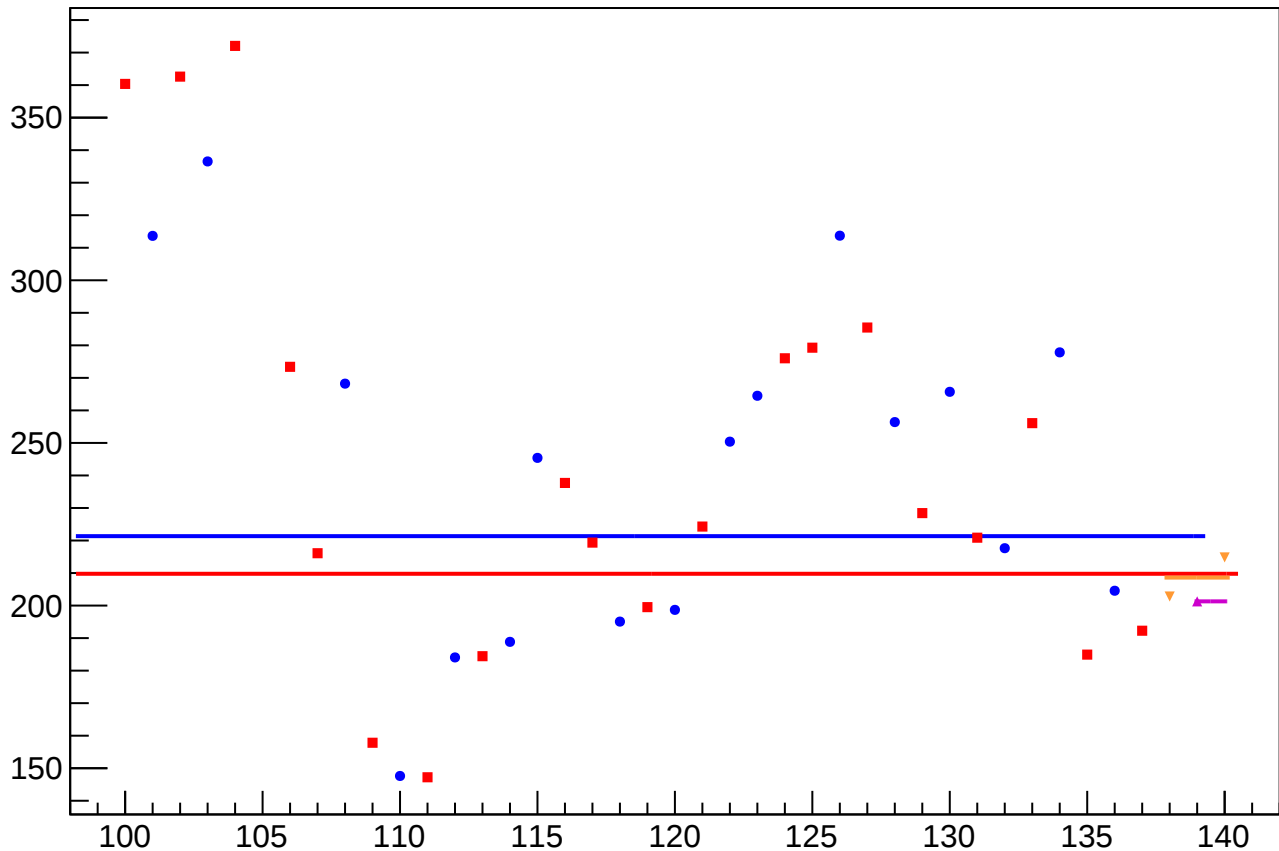
Left In: -1360.927 $\pm$ 246.243 χ^2/NDF : 0.0/0

-190.588 $\pm$ 78.696 χ^2/NDF : 341.8/18

-547.805 $\pm$ 55.325 χ^2/NDF : 823.3/39

-896.895 $\pm$ 77.795 χ^2/NDF : 440.8/20

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 +/- 0.063 χ^2/NDF : 645688.1/16

Left Out: 208.604 +/- 0.121 χ^2/NDF : 2466.7/1

Right Out: 209.775 +/- 0.058 χ^2/NDF : 884083.7/19

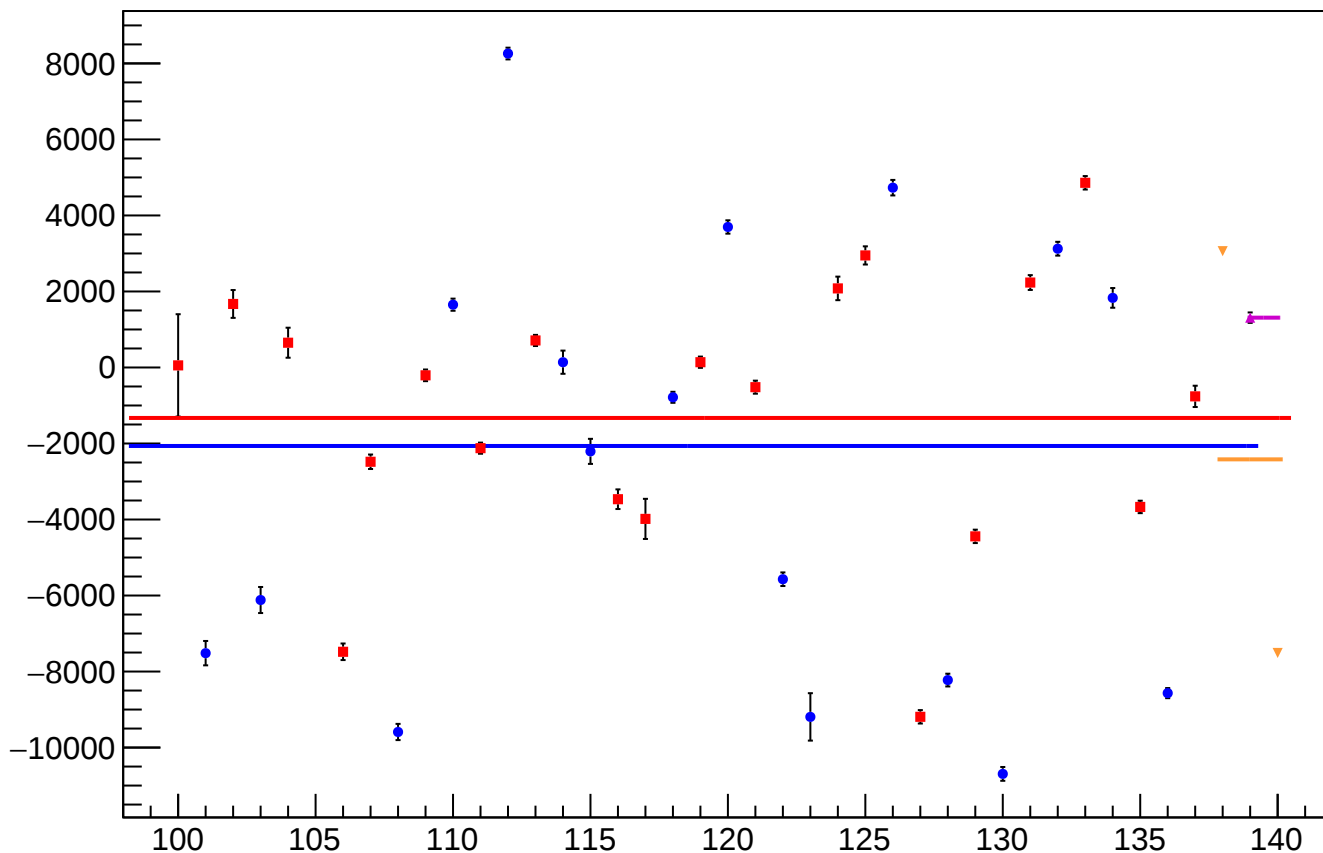
Left In: 201.295 +/- 0.174 χ^2/NDF : 0.0/0

218.644 +/- 0.056 χ^2/NDF : 656903.0/18

213.730 +/- 0.039 χ^2/NDF : 1558539.5/39

208.928 +/- 0.055 χ^2/NDF : 886218.7/20

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -2417.409 ± 89.809 $\chi^2/\text{NDF}: 3459.0/1$

Right Out: -1327.819 ± 44.838 $\chi^2/\text{NDF}: 5919.9/19$

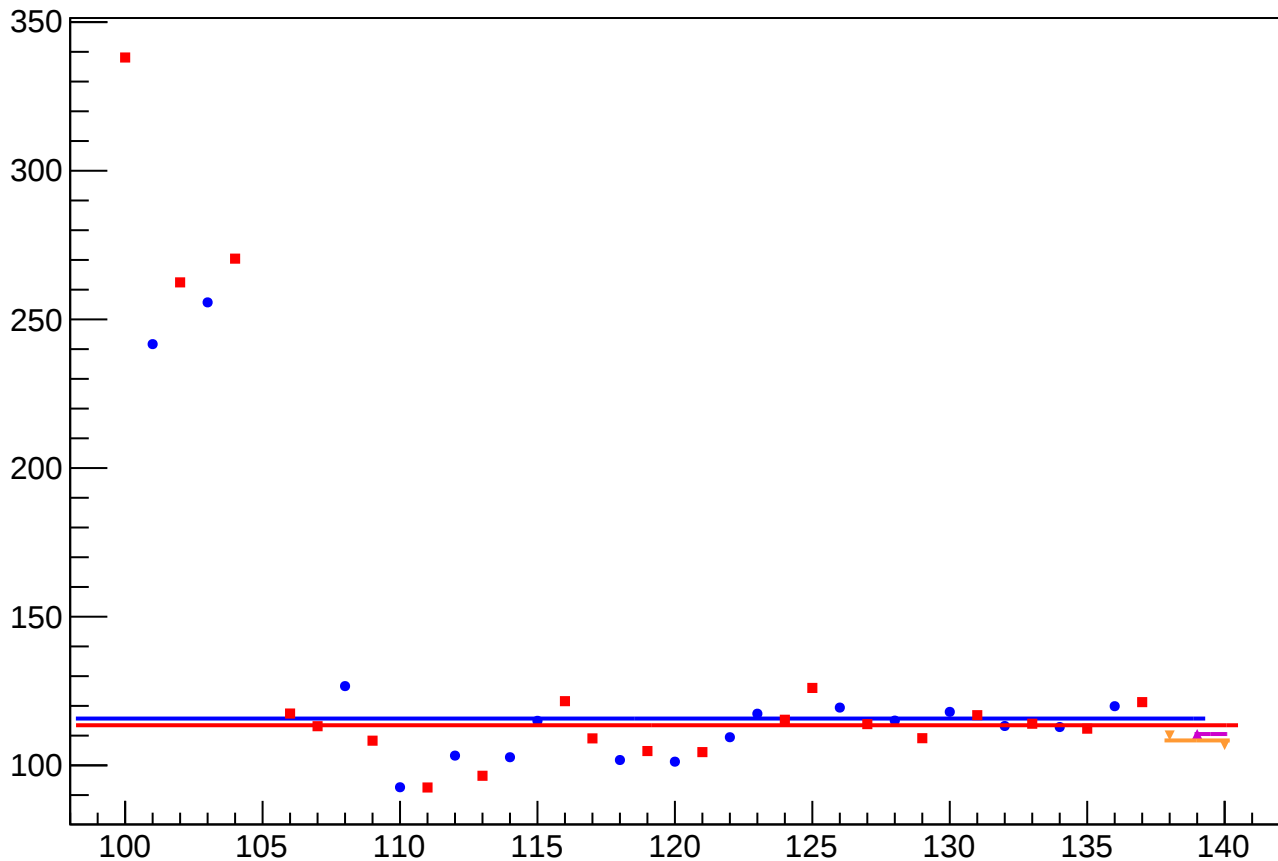
Left In: 1310.835 ± 136.967 $\chi^2/\text{NDF}: 0.0/0$

-2141.706 ± 41.866 $\chi^2/\text{NDF}: 20004.3/18$

-1616.516 ± 29.864 $\chi^2/\text{NDF}: 26579.8/39$

-1072.410 ± 42.613 $\chi^2/\text{NDF}: 6255.1/20$

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 108.379+/-0.064 χ^2/NDF : 644.0/1

Right Out: 113.487+/-0.032 χ^2/NDF : 796781.7/19

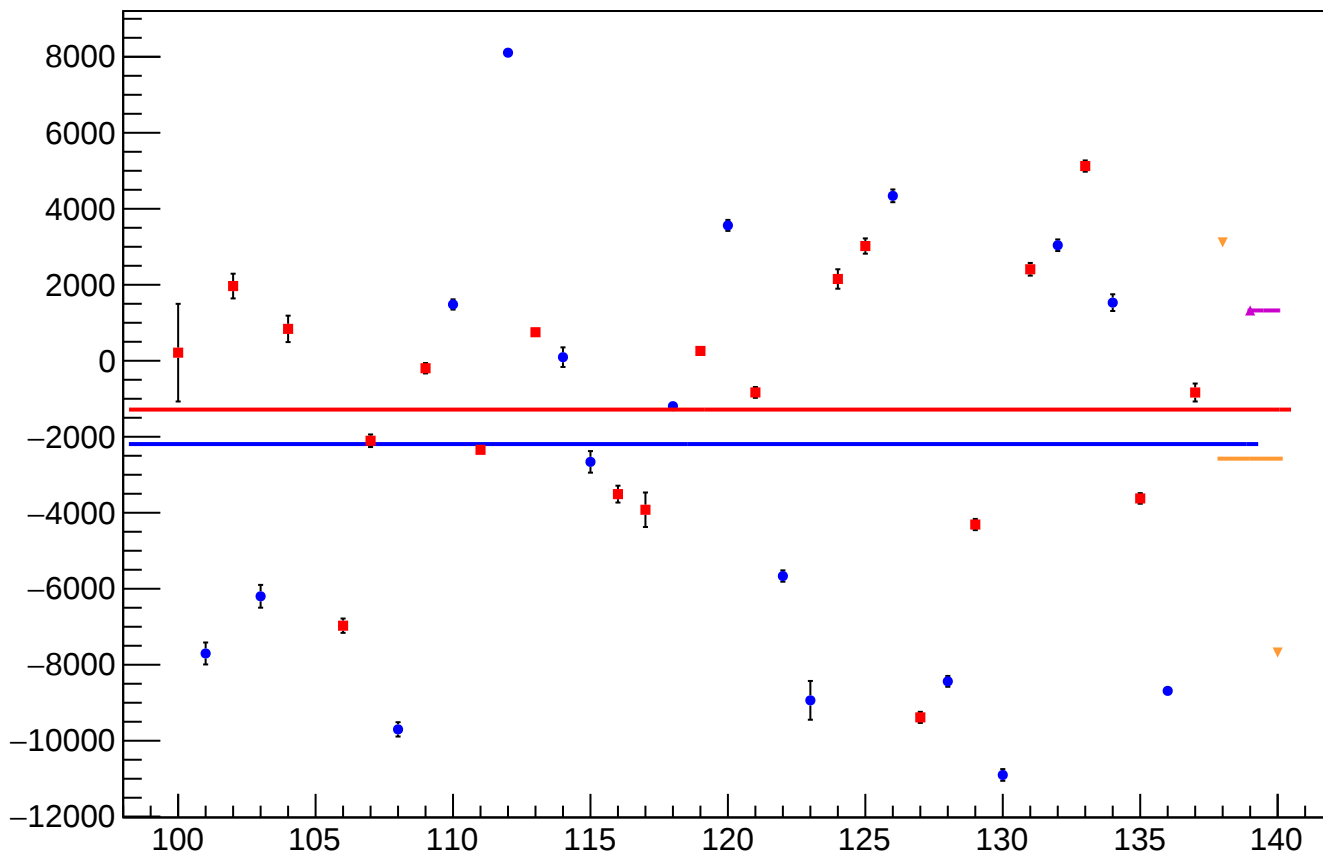
Left In: 110.534+/-0.097 χ^2/NDF : 0.0/0

114.141+/-0.030 χ^2/NDF : 755177.8/18

113.679+/-0.021 χ^2/NDF : 1553294.0/39

113.201+/-0.030 χ^2/NDF : 797621.2/20

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: -2576.188 ± 81.272 $\chi^2/\text{NDF}: 4396.7/1$

Right Out: -1284.692 ± 37.915 $\chi^2/\text{NDF}: 8584.4/19$

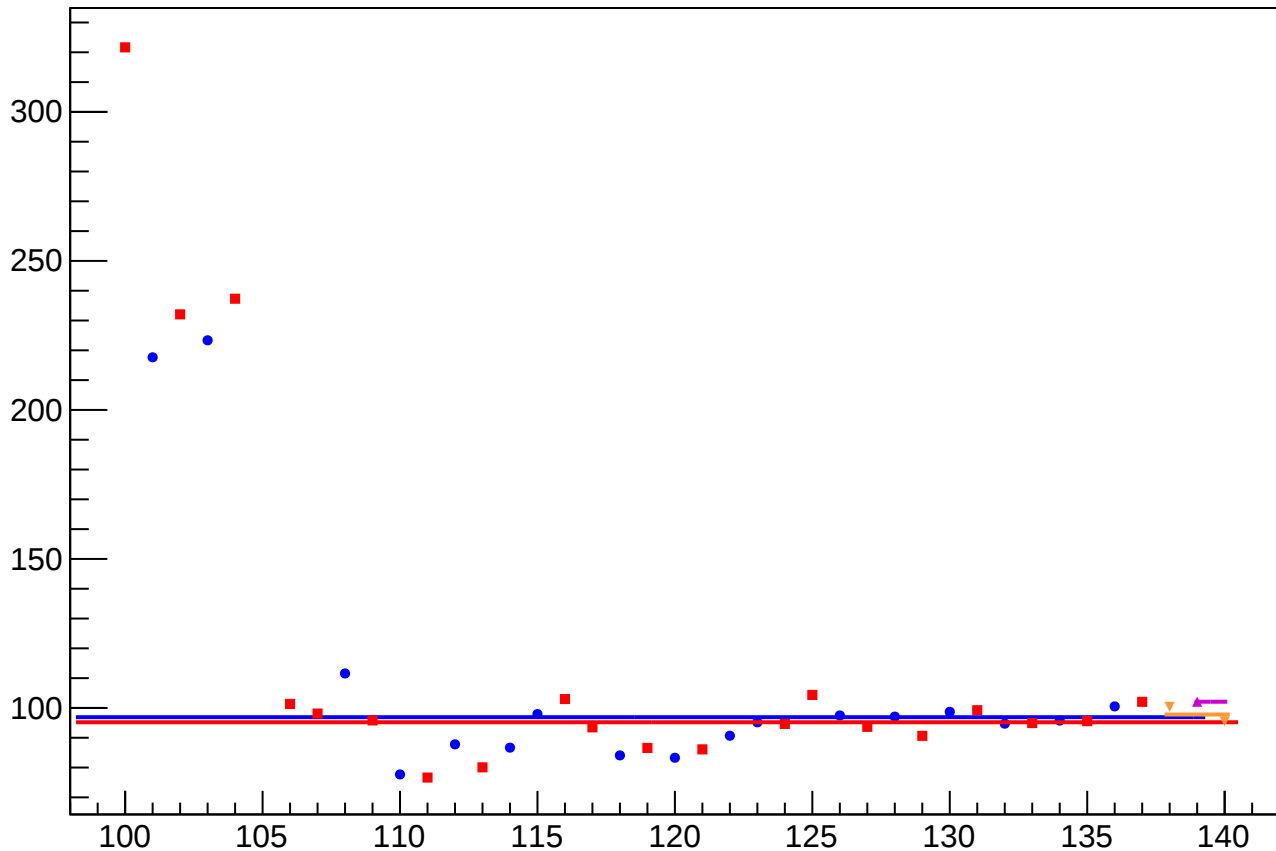
Left In: 1323.948 ± 126.669 $\chi^2/\text{NDF}: 0.0/0$

-2267.011 ± 35.848 $\chi^2/\text{NDF}: 27228.2/18$

-1676.472 ± 25.515 $\chi^2/\text{NDF}: 36751.8/39$

-1070.187 ± 36.323 $\chi^2/\text{NDF}: 8973.7/20$

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894 $\pm$ 0.028 χ^2 /NDF: 817229.9/16

Left Out: 97.794 $\pm$ 0.057 χ^2 /NDF: 1782.6/1

Right Out: 95.201 $\pm$ 0.027 χ^2 /NDF: 859838.2/19

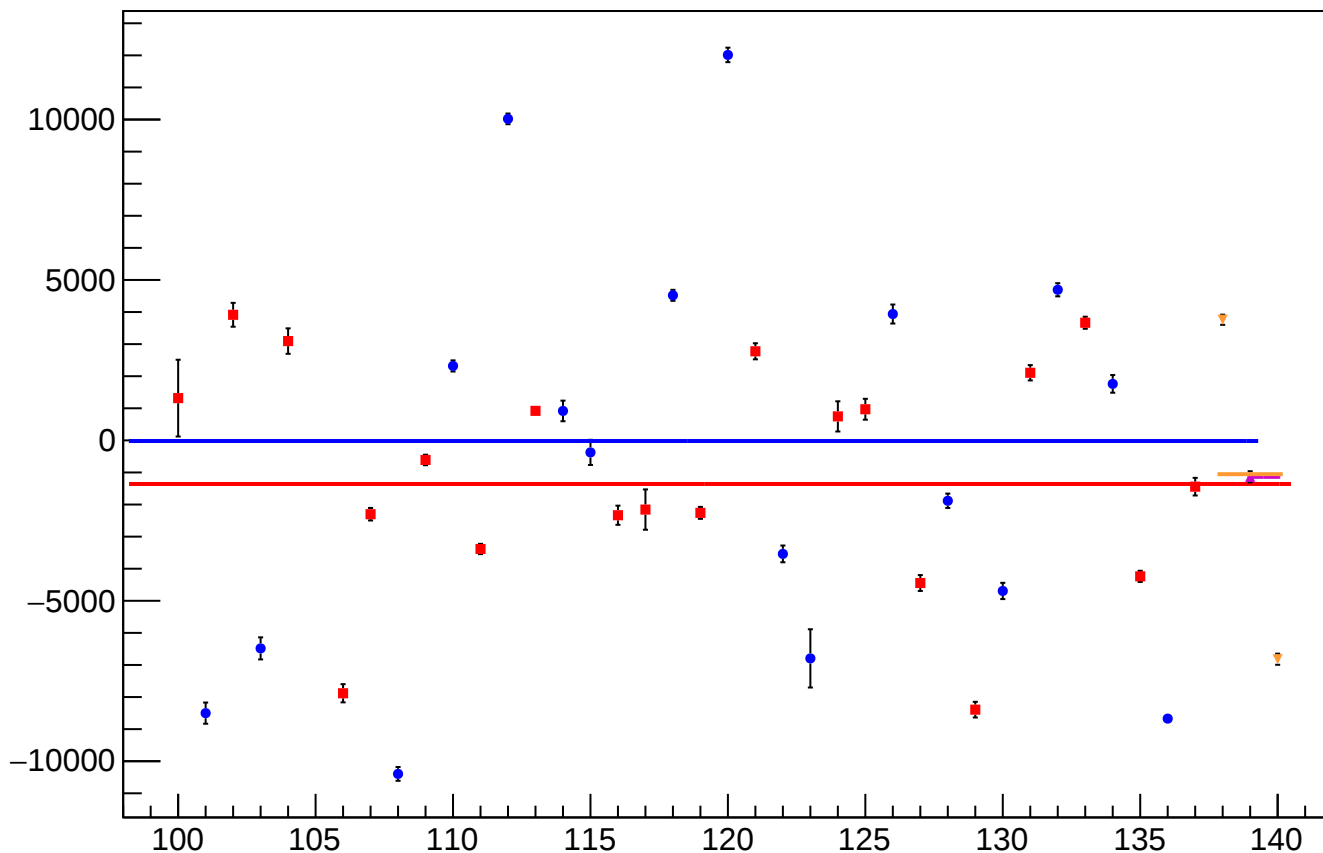
Left In: 102.091 $\pm$ 0.090 χ^2 /NDF: 0.0/0

97.069 $\pm$ 0.025 χ^2 /NDF: 819209.9/18

96.427 $\pm$ 0.018 χ^2 /NDF: 1685777.1/39

95.768 $\pm$ 0.026 χ^2 /NDF: 865267.4/20

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -1053.986 ± 116.847 $\chi^2/\text{NDF}: 2033.3/1$

Right Out: -1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

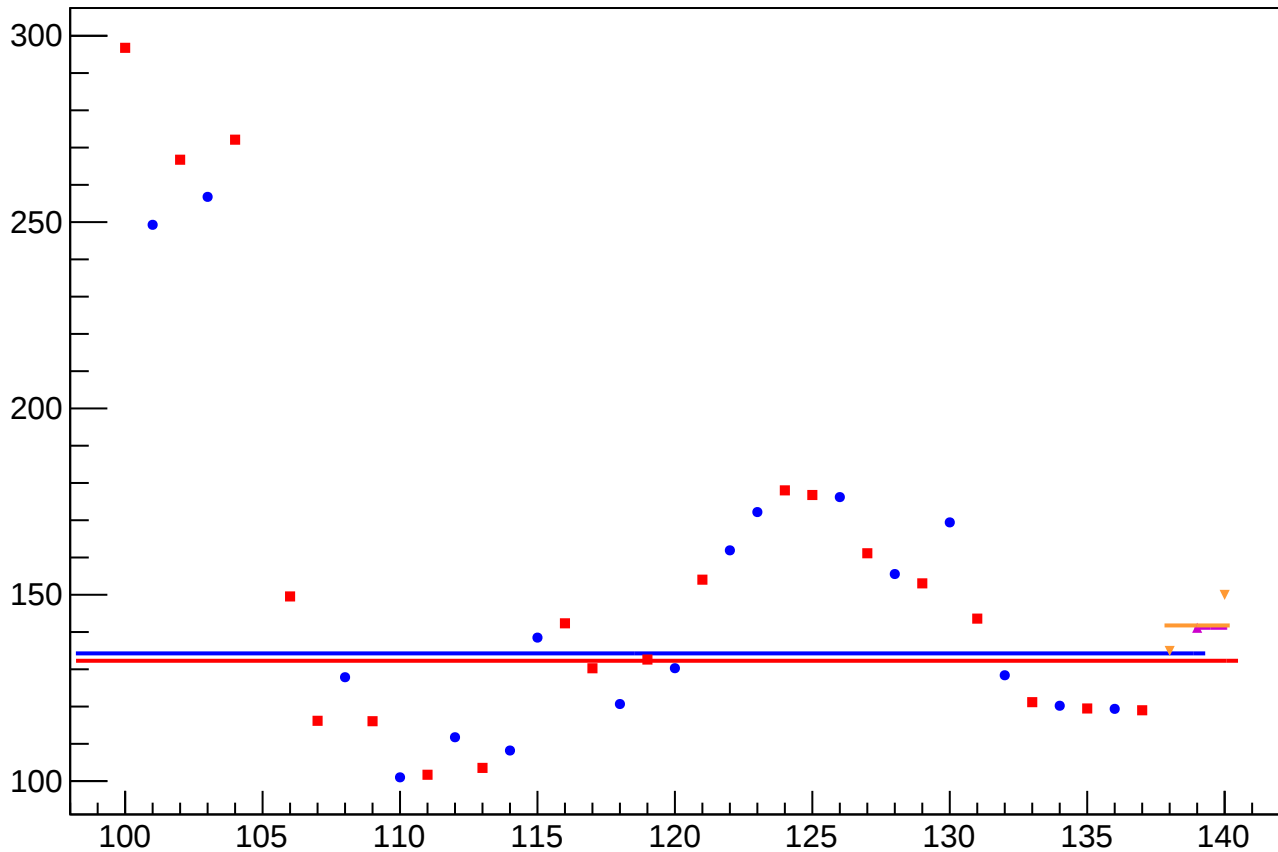
Left In: -1135.729 ± 173.929 $\chi^2/\text{NDF}: 0.0/0$

-205.542 ± 49.498 $\chi^2/\text{NDF}: 18458.6/18$

-767.506 ± 35.171 $\chi^2/\text{NDF}: 22559.2/39$

-1340.561 ± 49.984 $\chi^2/\text{NDF}: 3840.3/20$

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.268 ± 0.039 χ^2/NDF : 788647.0/16

Left Out: 141.766 ± 0.083 χ^2/NDF : 8220.5/1

Right Out: 132.288 ± 0.037 χ^2/NDF : 869913.4/19

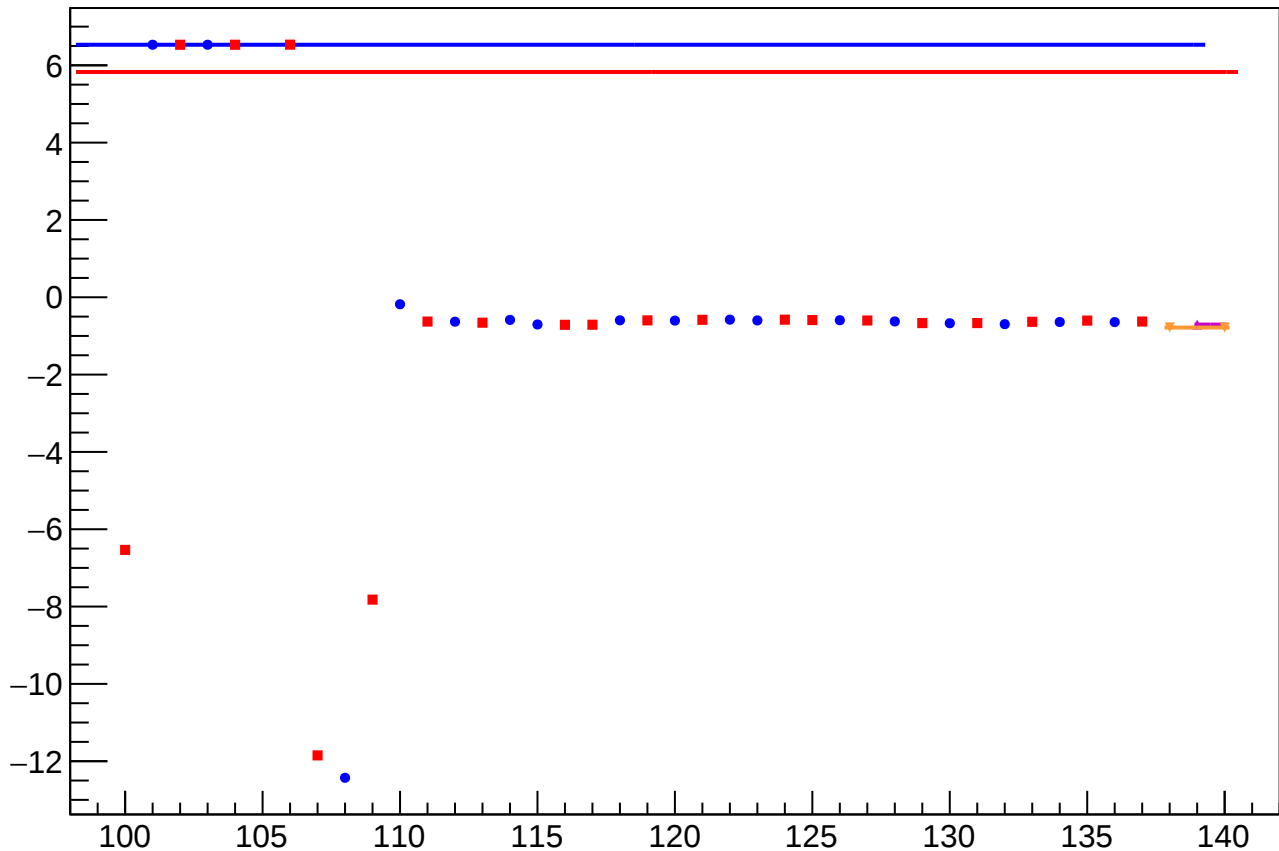
Left In: 141.142 ± 0.123 χ^2/NDF : 0.0/0

135.613 ± 0.035 χ^2/NDF : 803626.4/18

134.329 ± 0.025 χ^2/NDF : 1681013.7/39

133.019 ± 0.035 χ^2/NDF : 874668.2/20

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.783+/-0.000 χ^2/NDF : 3836.9/1

Right Out: 5.827+/-0.000 χ^2/NDF : 755949520765363.8/19

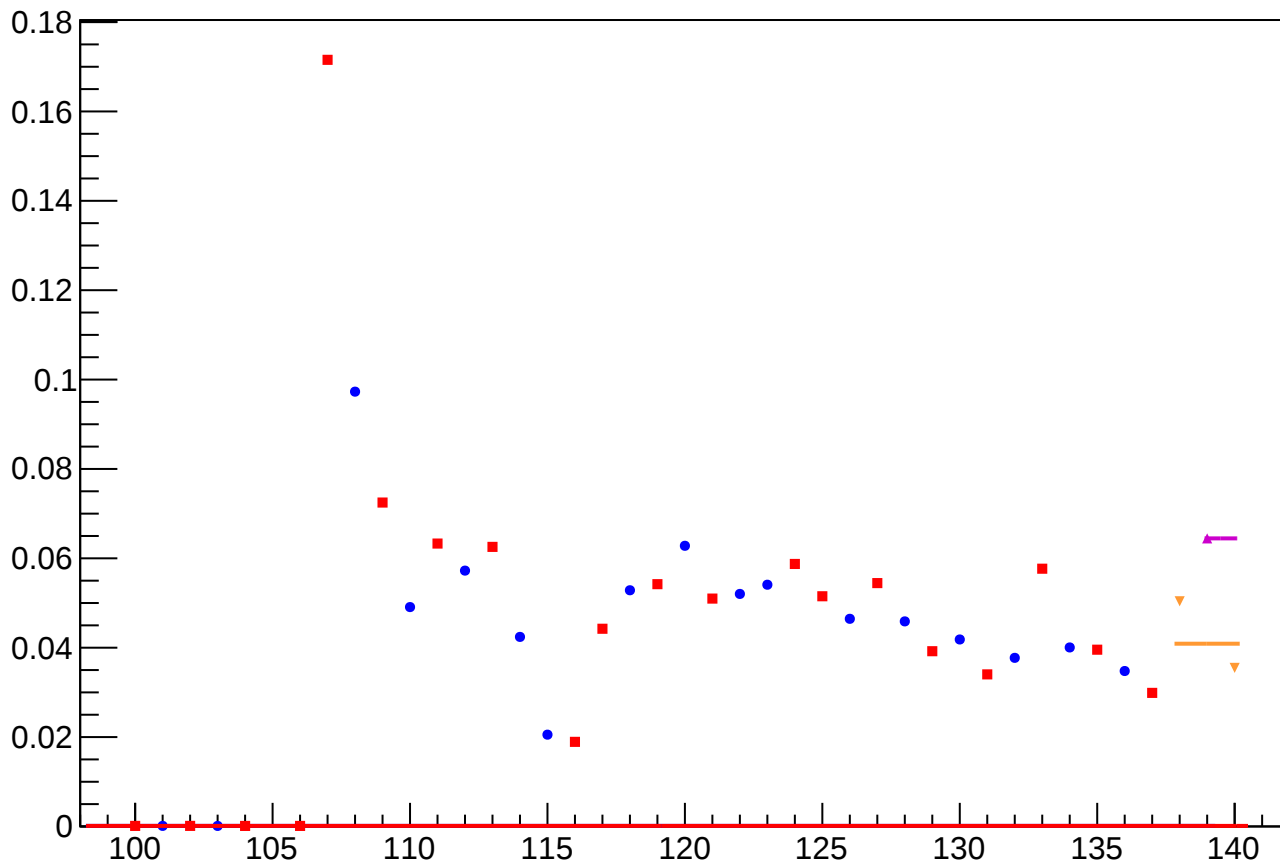
Left In: -0.707+/-0.000 χ^2/NDF : 0.0/0

6.532+/-0.000 χ^2/NDF : 163330570408.6/18

6.155+/-0.000 χ^2/NDF : 77612007208353

5.827+/-0.000 χ^2/NDF : 755956248019763.8/20

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.041+/-0.000 χ^2/NDF : 67983.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 9453181.1/19

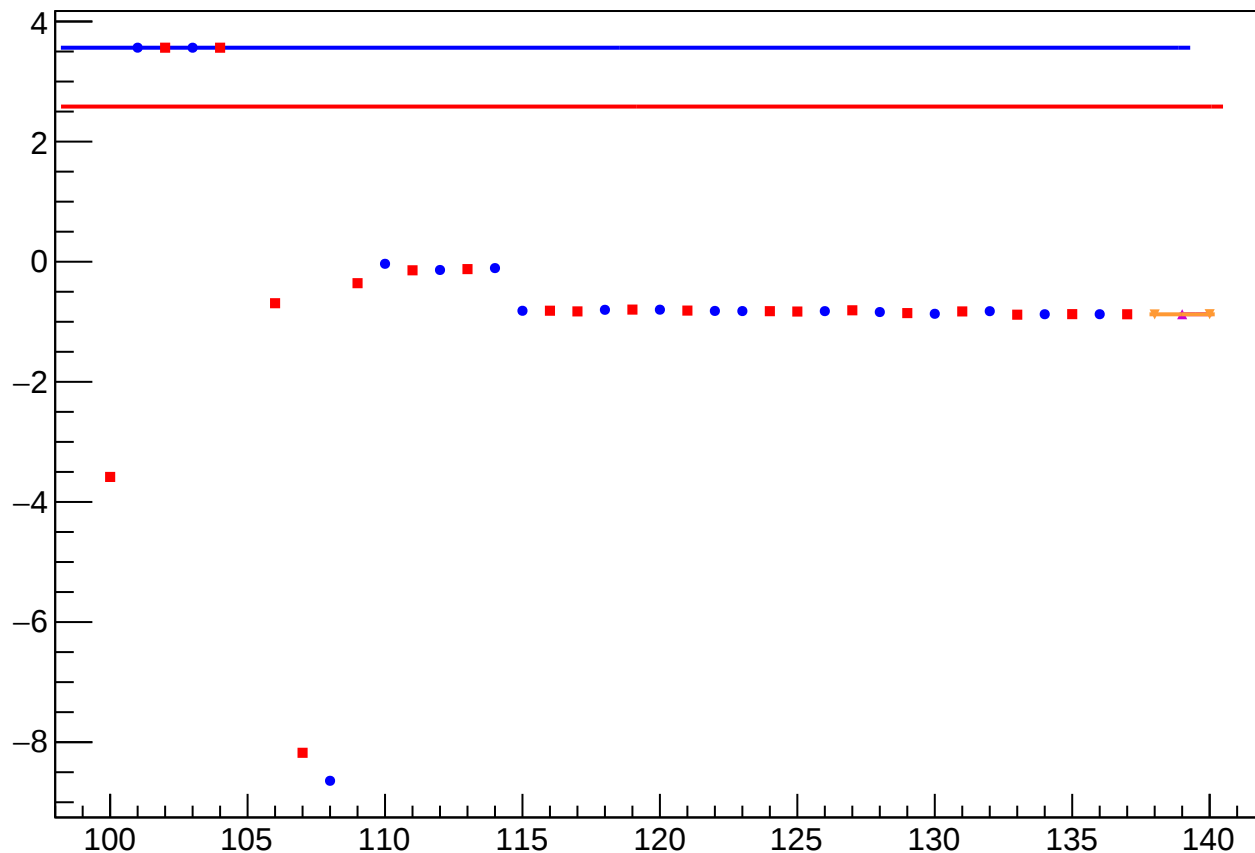
Left In: 0.064+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 11297383.7/18

0.000+/-0.000 χ^2/NDF : 22055381.8/39

0.000+/-0.000 χ^2/NDF : 10757679.6/20

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.876+/-0.000 χ^2/NDF : 82388.5/1

Right Out: 2.583+/-0.000 χ^2/NDF : 1253506756008351.0/19

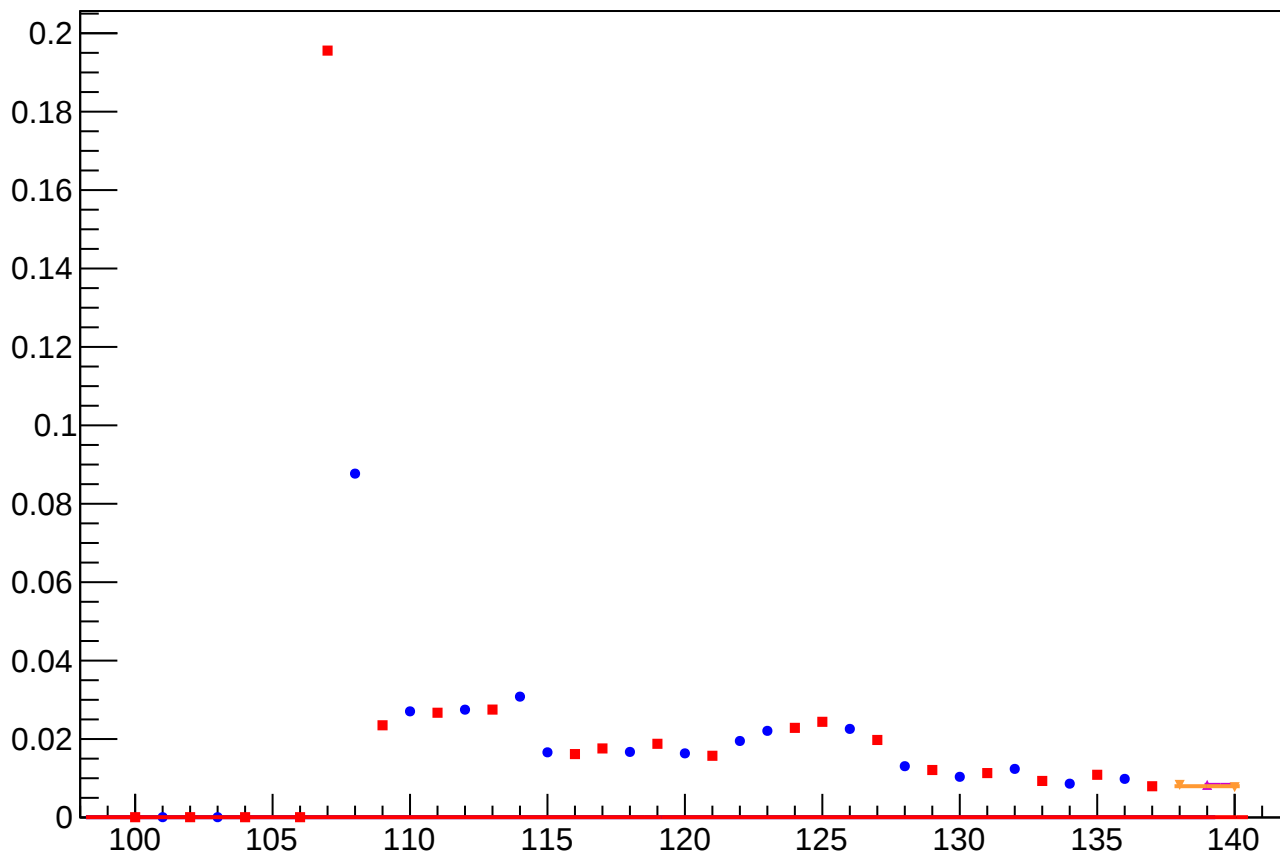
Left In: -0.874+/-0.000 χ^2/NDF : 0.0/0

3.563+/-0.000 χ^2/NDF : 939487447427.8/18

3.040+/-0.000 χ^2/NDF : 13827656170524

2.583+/-0.000 χ^2/NDF : 1253622485097778.0/19

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 3896.2/1

Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

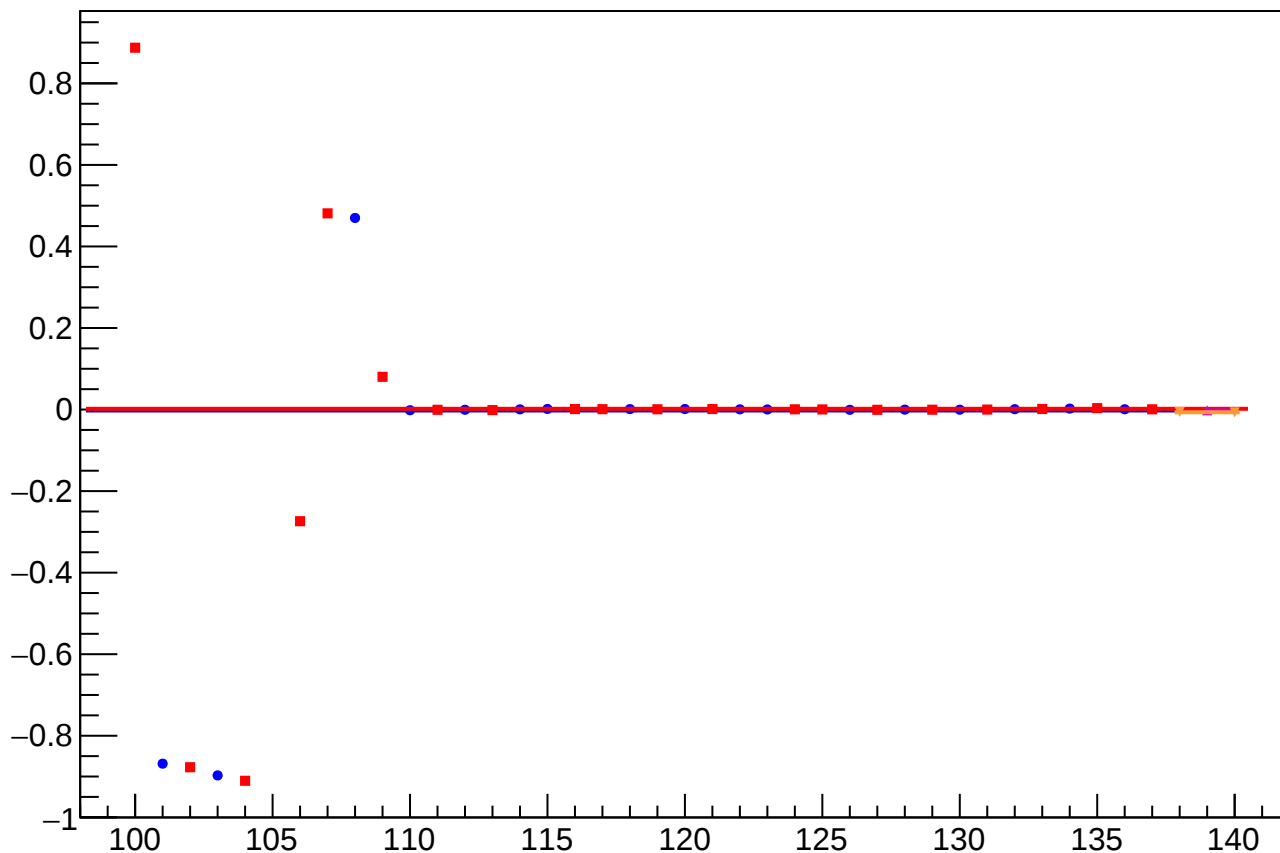
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 12719805.6/18

0.000+/-0.000 χ^2/NDF : 23992617.6/39

0.000+/-0.000 χ^2/NDF : 11272238.4/20

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.007+/-0.000 χ^2/NDF : 78072.0/1

Right Out: 0.002+/-0.000 χ^2/NDF : 3041335141.0/19

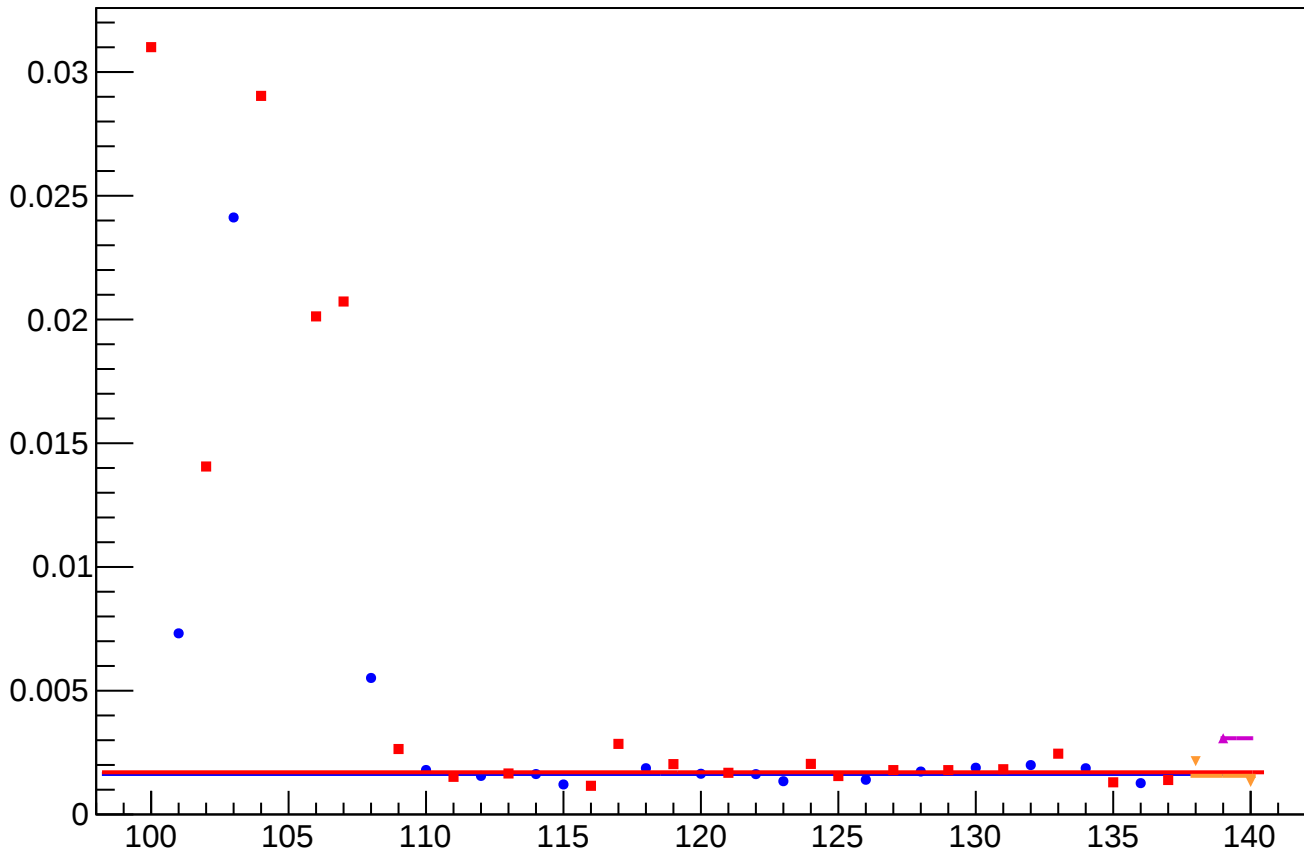
Left In: -0.002+/-0.000 χ^2/NDF : 0.0/0

-0.003+/-0.000 χ^2/NDF : 9802038861.4/18

-0.001+/-0.000 χ^2/NDF : 12865994239.4/3

0.002+/-0.000 χ^2/NDF : 3042332379.6/20

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.002+/-0.000 χ^2/NDF :127324.3/1

Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

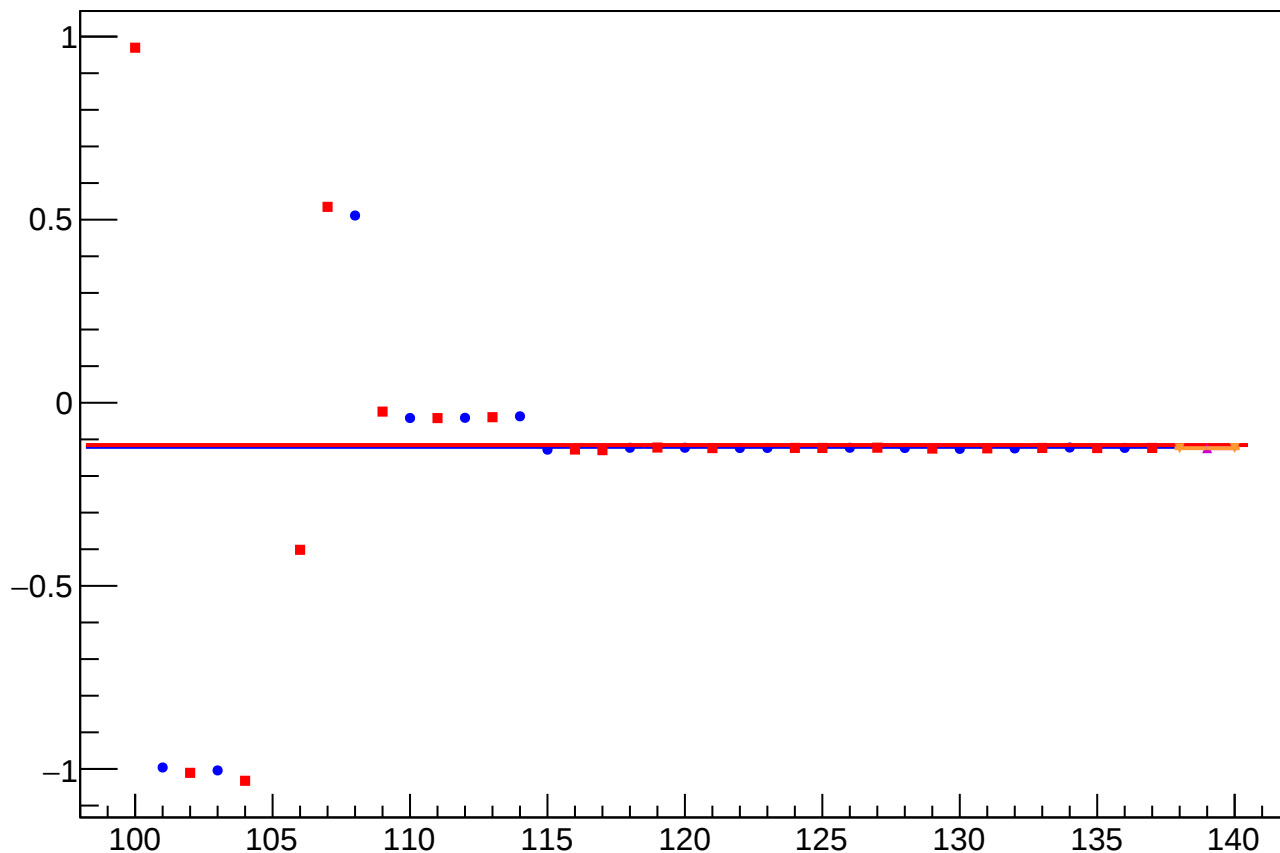
Left In: 0.003+/-0.000 χ^2/NDF :0.0/0

0.002+/-0.000 χ^2/NDF : 2050300.7/18

0.002+/-0.000 χ^2/NDF : 5384192.7/39

0.002+/-0.000 χ^2/NDF : 3296320.3/20

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.124+/-0.000 χ^2/NDF :127885.8/1

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

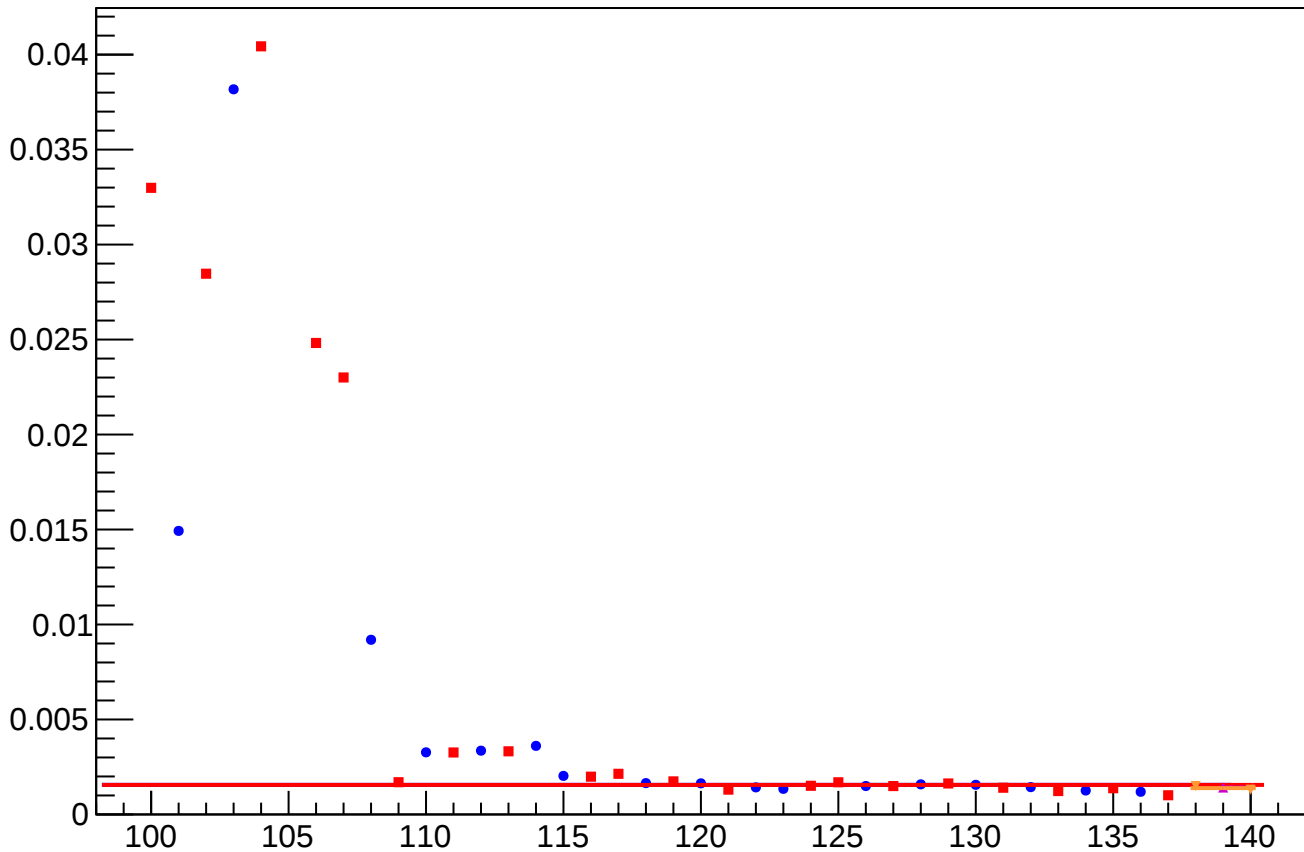
Left In: -0.124+/-0.000 χ^2/NDF :0.0/0

-0.121+/-0.000 χ^2/NDF : 3938963956.2/18

-0.119+/-0.000 χ^2/NDF : 6441723679.6/30

-0.117+/-0.000 χ^2/NDF : 2476790247.7/20

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2903607.4/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:12276.6/1

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3544377.2/19

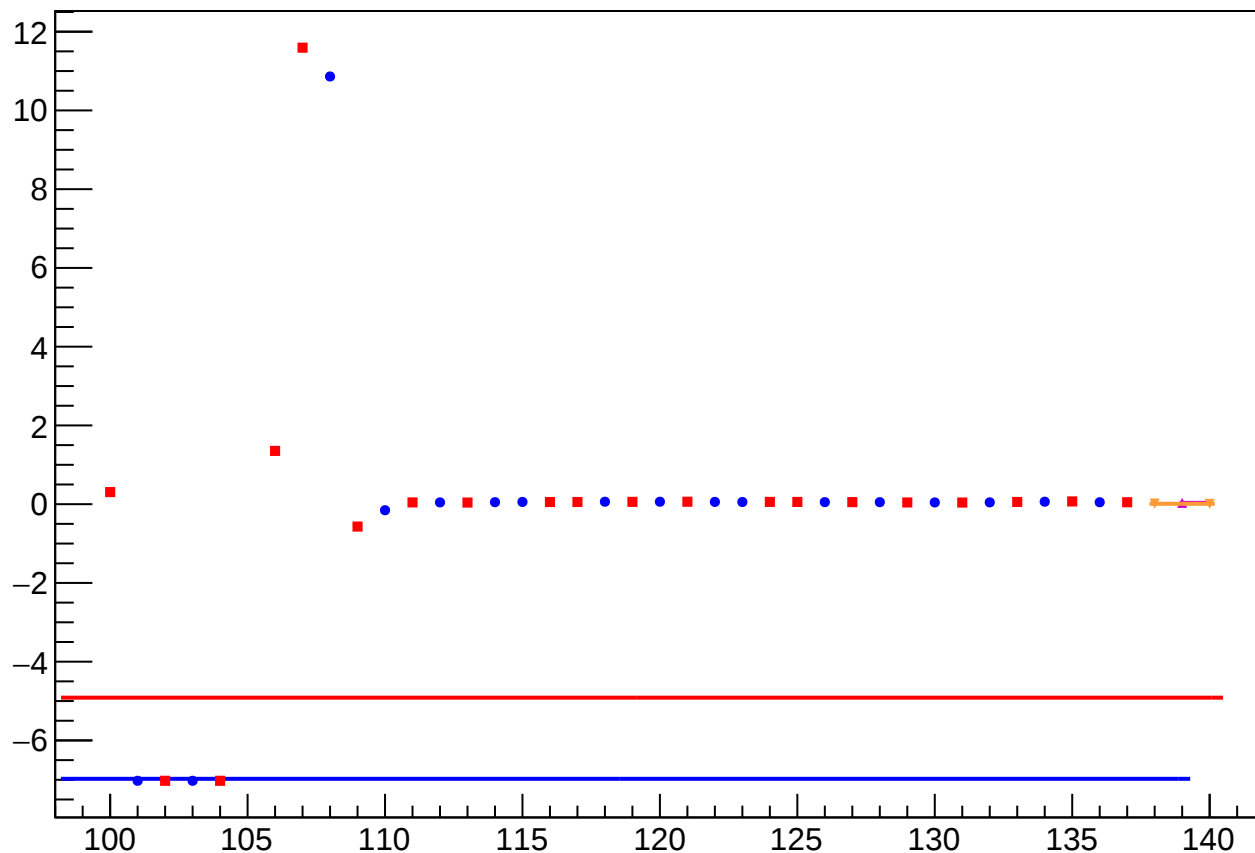
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.002 $\pm$ 0.000 χ^2 /NDF: 2944982.9/18

0.002 $\pm$ 0.000 χ^2 /NDF: 6500412.5/39

0.002 $\pm$ 0.000 χ^2 /NDF: 3554103.2/20

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 105685.0/1

Right Out: -4.914+/-0.000 χ^2/NDF : 365366243956054.8/19

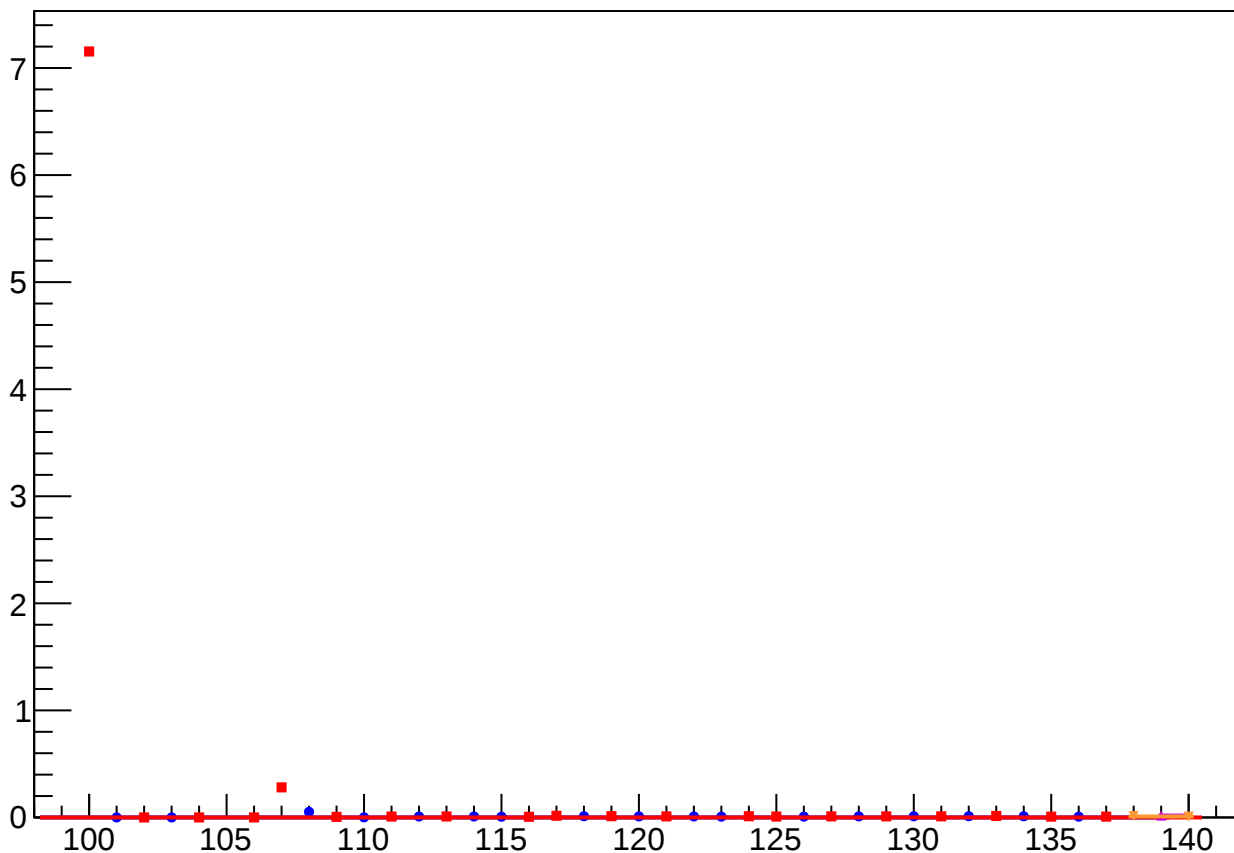
Left In: 0.034+/-0.000 χ^2/NDF : 0.0/0

-6.972+/-0.000 χ^2/NDF : 9371092492573.8/18

-5.898+/-0.000 χ^2/NDF : 4308384912914.7/18

-4.913+/-0.000 χ^2/NDF : 365418358254569.8/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.010+/-0.000 χ^2/NDF :106907.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 8880914.4/19

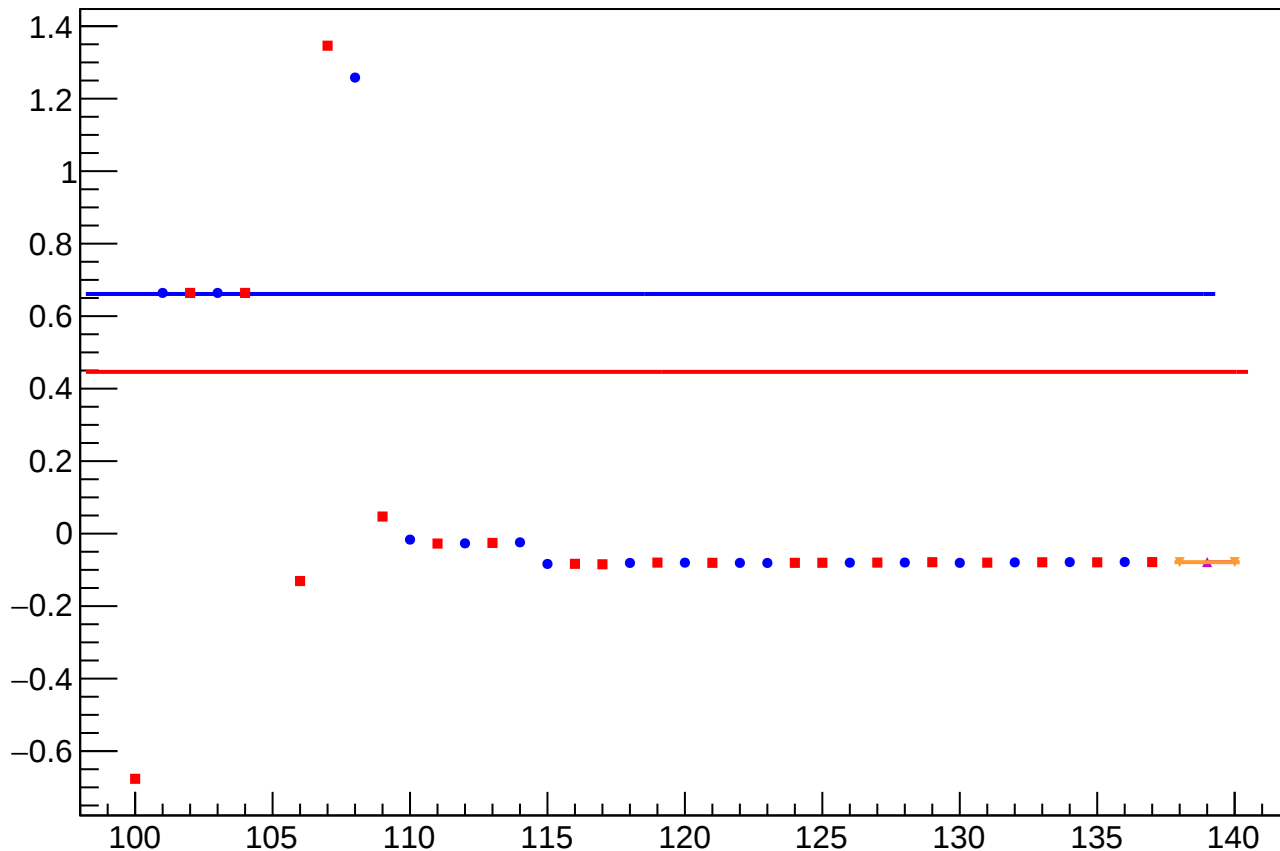
Left In: 0.018+/-0.000 χ^2/NDF :0.0/0

0.000+/-0.000 χ^2/NDF : 10553332.5/18

0.000+/-0.000 χ^2/NDF : 20756351.9/39

0.000+/-0.000 χ^2/NDF : 10201905.7/20

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.079+/-0.000 χ^2/NDF : 96463.0/1

Right Out: 0.446+/-0.000 χ^2/NDF : 405434749783850.4/19

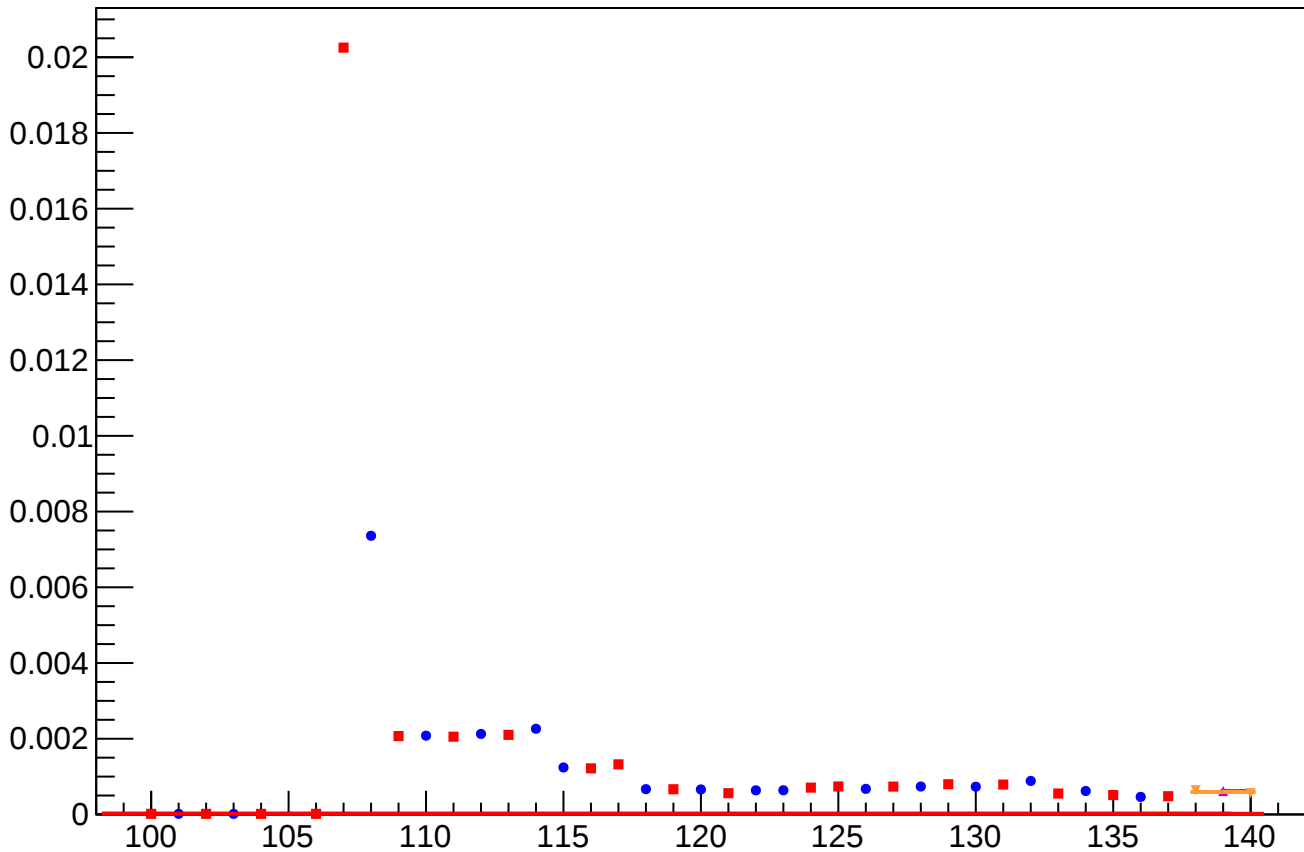
Left In: -0.078+/-0.000 χ^2/NDF : 0.0/0

0.660+/-0.000 χ^2/NDF : 7884652092368.7/18

0.548+/-0.000 χ^2/NDF : 47628774393628

0.446+/-0.000 χ^2/NDF : 405907937890393.5/20

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF :12342.3/1

Right Out: 0.000+/-0.000 χ^2/NDF : 9575039.3/19

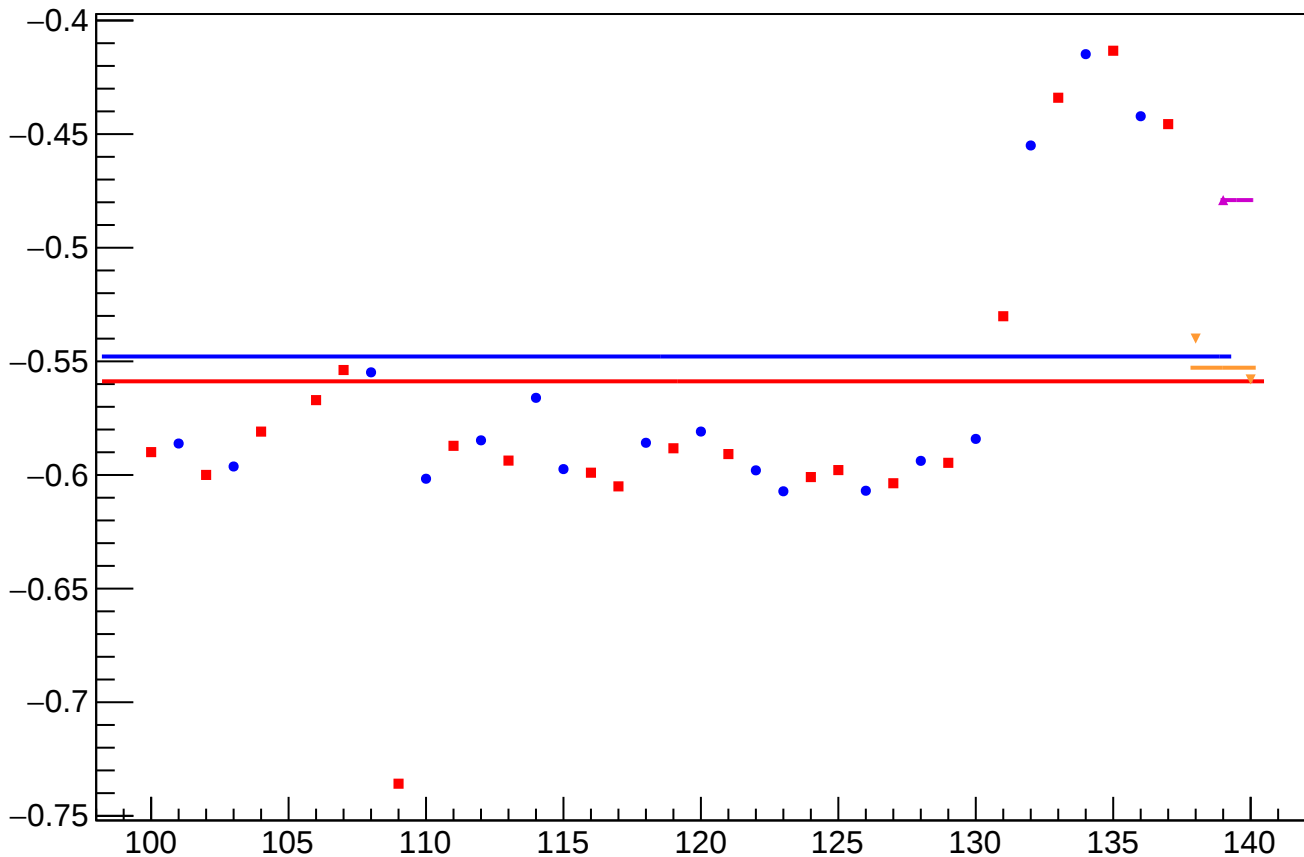
Left In: 0.001+/-0.000 χ^2/NDF :0.0/0

0.000+/-0.000 χ^2/NDF : 12683898.6/18

0.000+/-0.000 χ^2/NDF : 23496008.2/39

0.000+/-0.000 χ^2/NDF : 10811128.9/20

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.553+/-0.000 χ^2/NDF : 172405.9/1

Right Out: -0.559+/-0.000 χ^2/NDF : 65741796.4/19

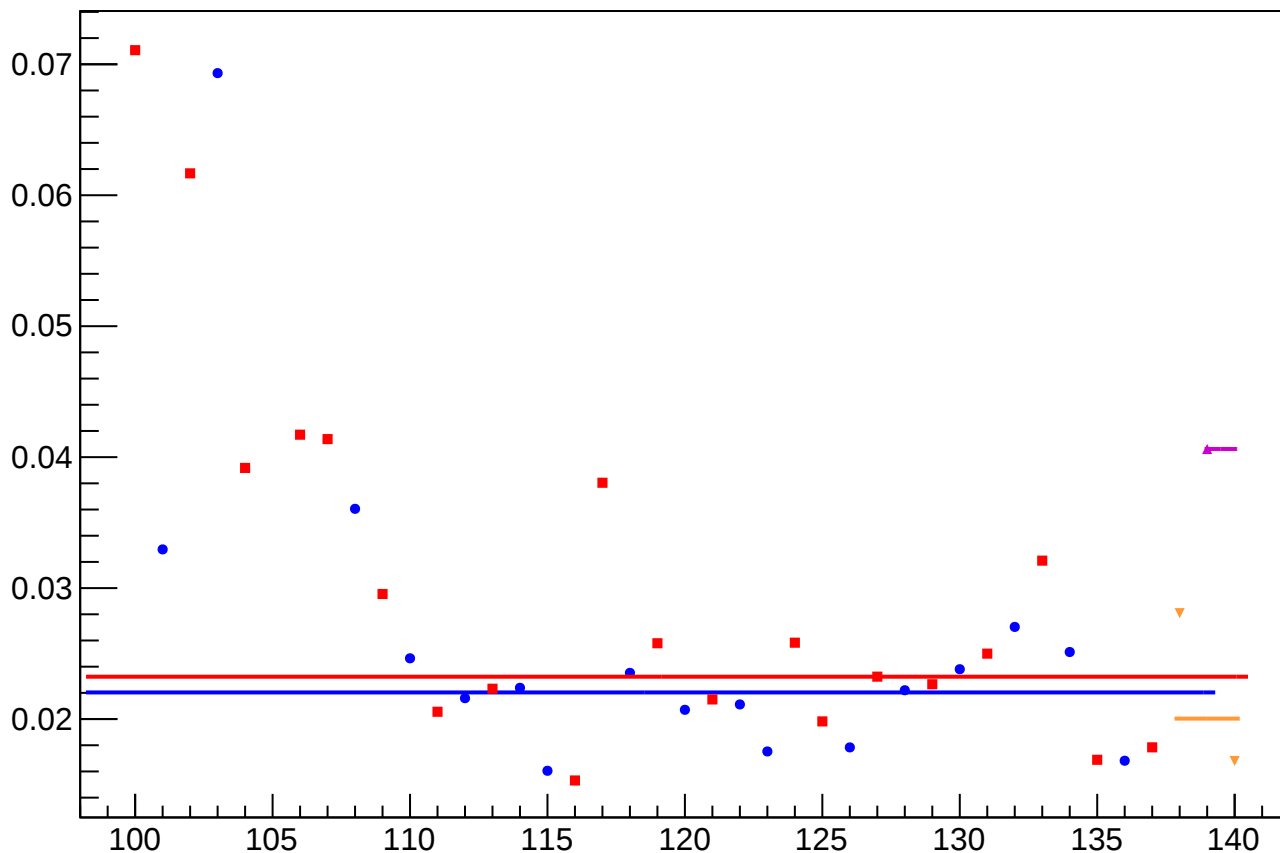
Left In: -0.479+/-0.000 χ^2/NDF : 0.0/0

-0.549+/-0.000 χ^2/NDF : 48803179.1/18

-0.552+/-0.000 χ^2/NDF : 117315124.3/39

-0.556+/-0.000 χ^2/NDF : 68245141.1/20

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020+/-0.000 χ^2/NDF :136065.6/1

Right Out: 0.023+/-0.000 χ^2/NDF : 1169205.3/19

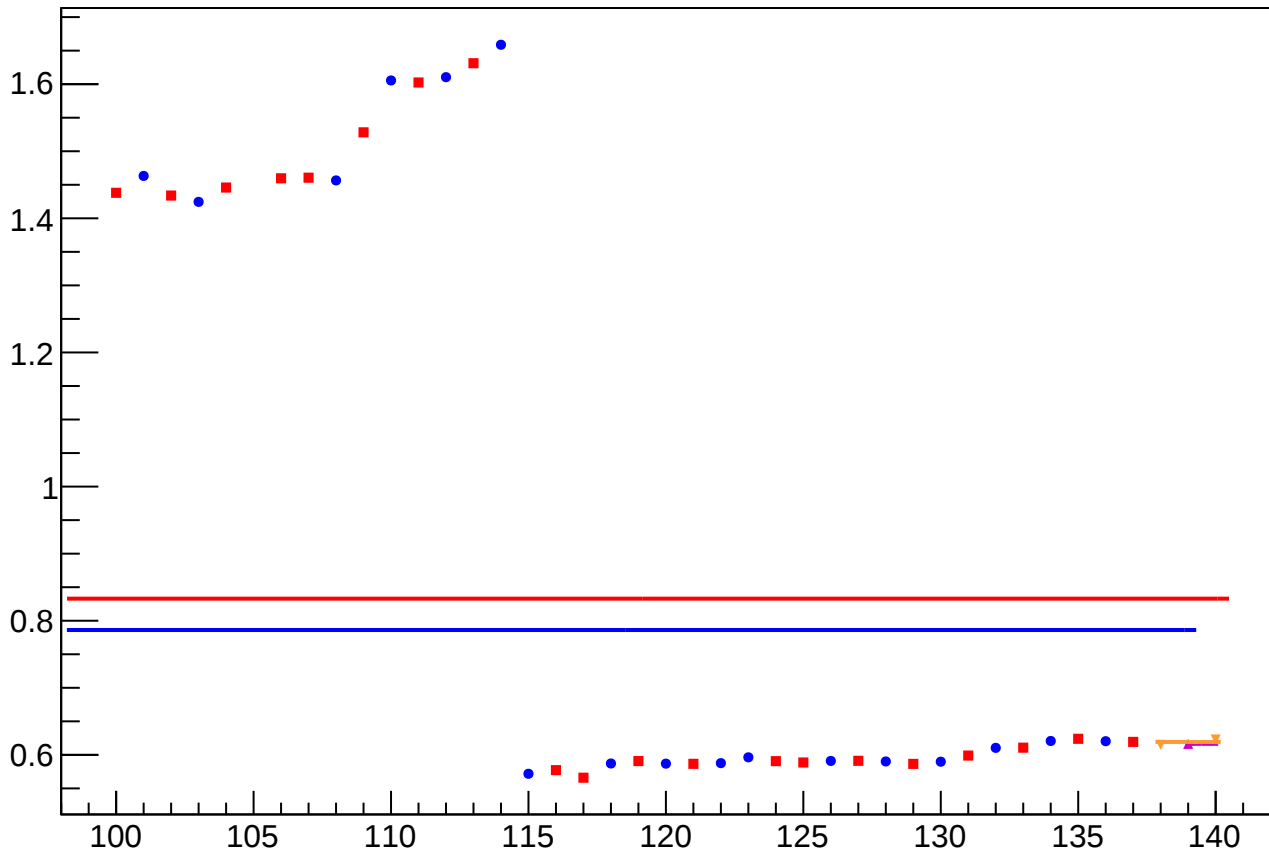
Left In: 0.041+/-0.000 χ^2/NDF :0.0/0

0.022+/-0.000 χ^2/NDF : 1111714.6/18

0.023+/-0.000 χ^2/NDF : 2579474.4/39

0.024+/-0.000 χ^2/NDF : 1407241.7/20

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.786+/-0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.619+/-0.000 χ^2/NDF : 168503.5/1

0.741+/-0.000 χ^2/NDF : 3806421303.6/18

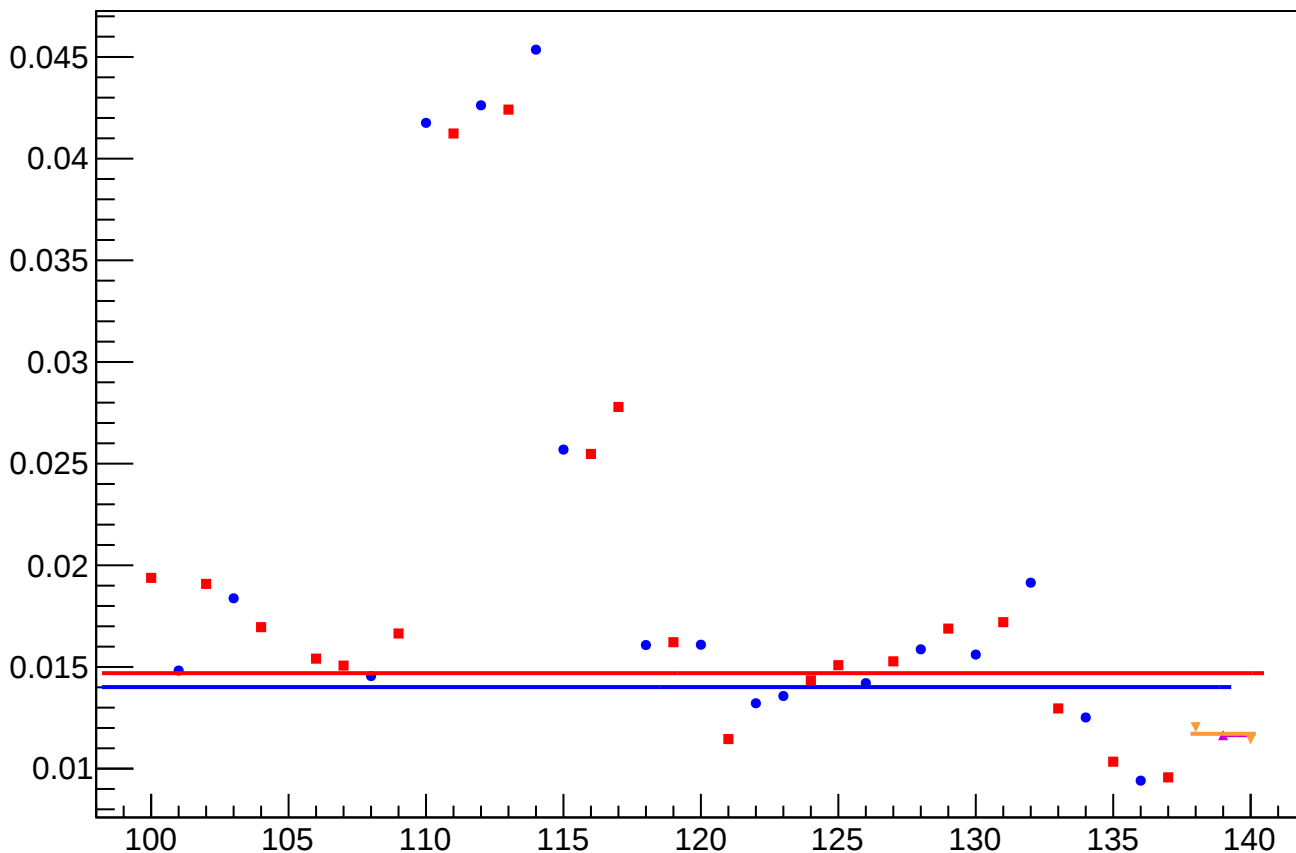
0.768+/-0.000 χ^2/NDF : 8226173918.3/39

Right Out: 0.833+/-0.000 χ^2/NDF : 4160348649.7/19

0.800+/-0.000 χ^2/NDF : 4357141163.2/20

Left In: 0.616+/-0.000 χ^2/NDF : 0.0/0

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1404865.3/16

Left Out: 0.012+/-0.000 χ^2/NDF :1882.1/1

Right Out: 0.015+/-0.000 χ^2/NDF : 1280473.4/19

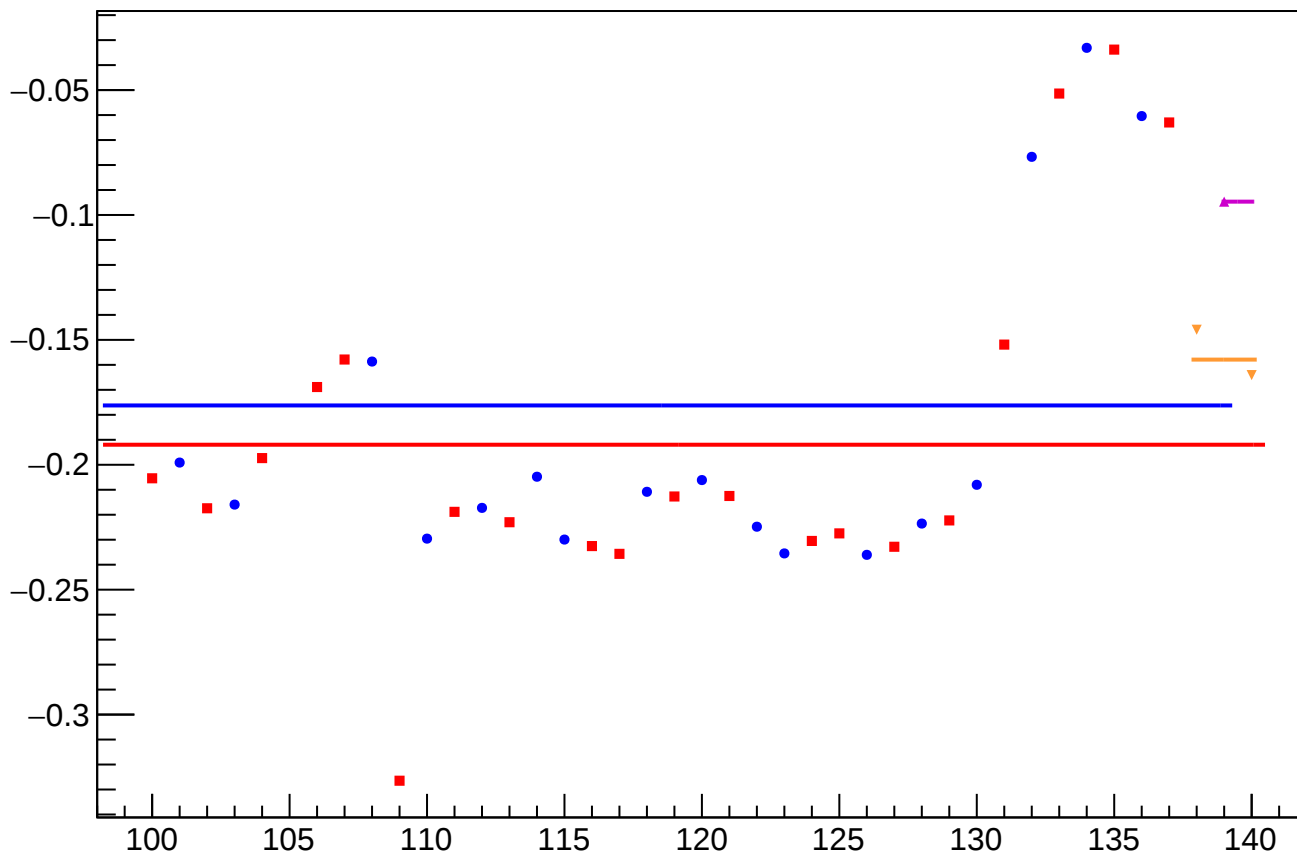
Left In: 0.012+/-0.000 χ^2/NDF :0.0/0

0.013+/-0.000 χ^2/NDF : 1488603.5/18

0.014+/-0.000 χ^2/NDF : 2872654.2/39

0.014+/-0.000 χ^2/NDF : 1358484.7/20

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.158+/-0.000 χ^2/NDF : 177010.0/1

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

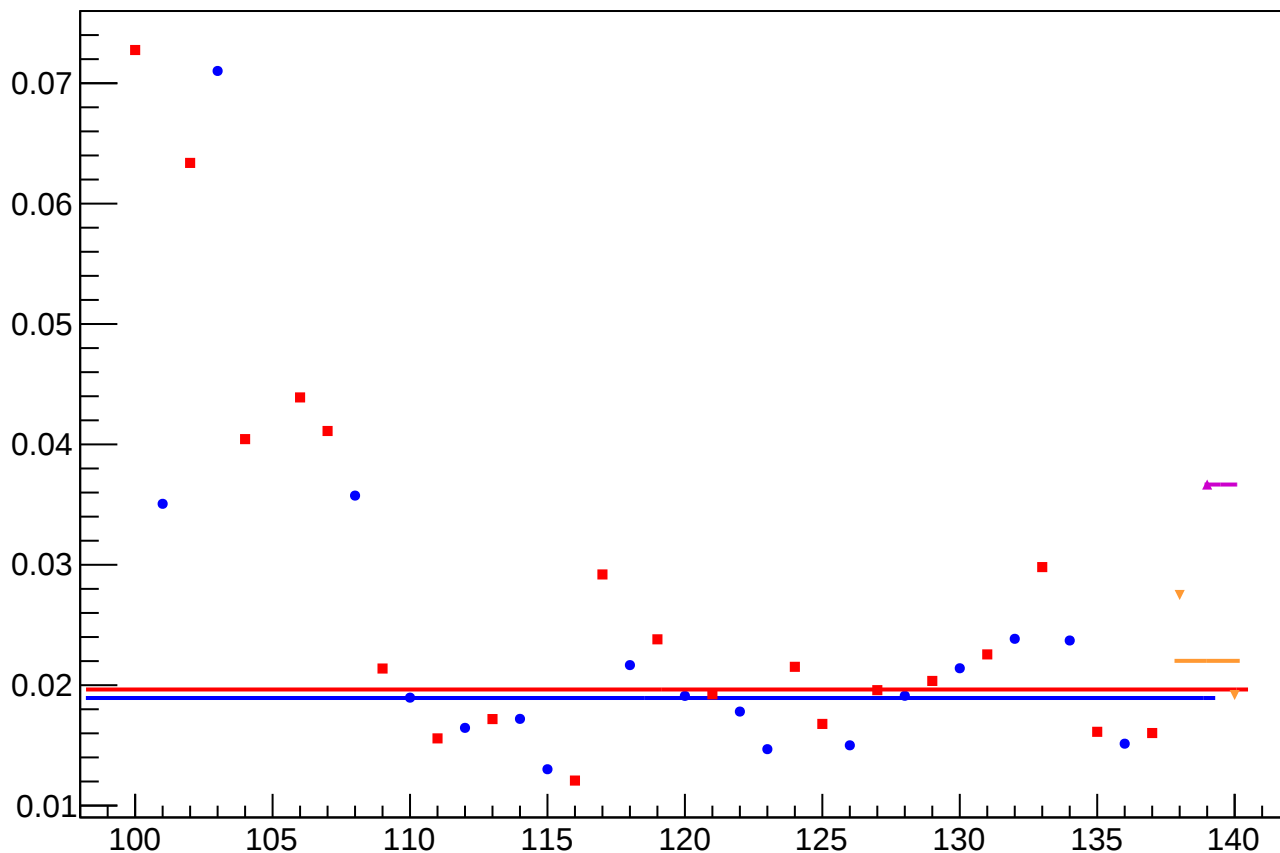
Left In: -0.095+/-0.000 χ^2/NDF : 0.0/0

-0.174+/-0.000 χ^2/NDF : 71000723.0/18

-0.180+/-0.000 χ^2/NDF : 161169264.6/39

-0.188+/-0.000 χ^2/NDF : 88484300.5/20

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.022+/-0.000 χ^2/NDF : 74139.0/1

Right Out: 0.020+/-0.000 χ^2/NDF : 1466285.9/19

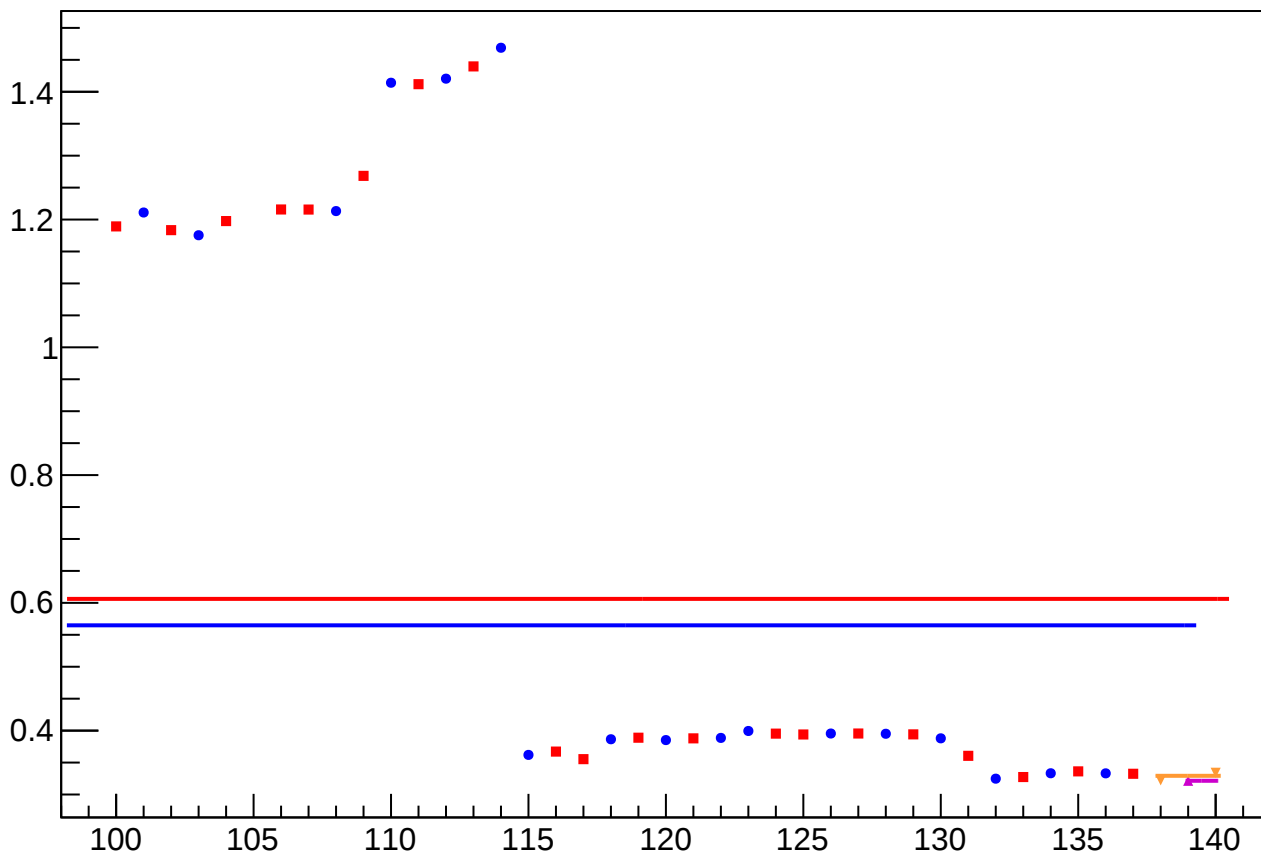
Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.019+/-0.000 χ^2/NDF : 1318826.8/18

0.020+/-0.000 χ^2/NDF : 3077074.4/39

0.020+/-0.000 χ^2/NDF : 1746932.8/20

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.329+/-0.000 χ^2/NDF :330204.0/1

Right Out: 0.606+/-0.000 χ^2/NDF : 5517630064.2/19

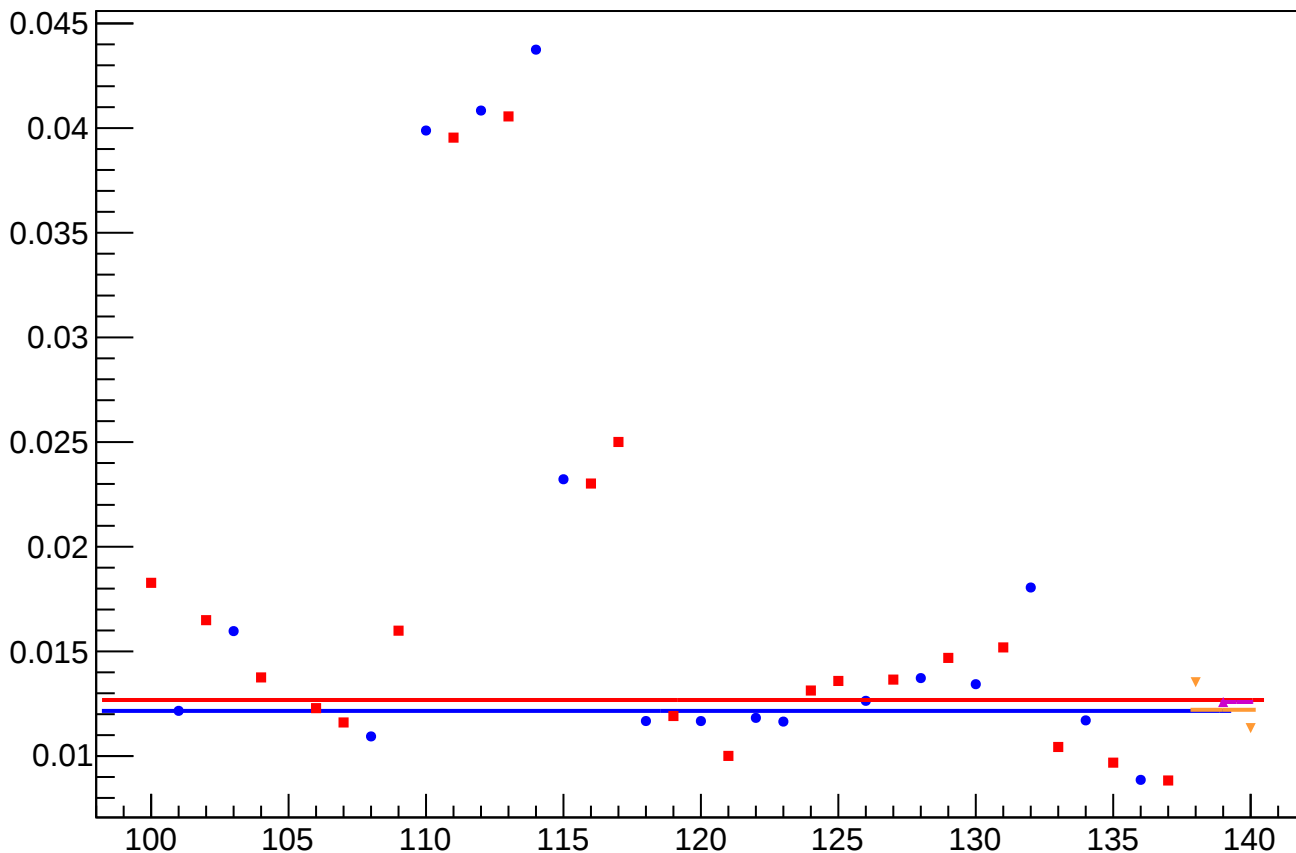
Left In: 0.321+/-0.000 χ^2/NDF :0.0/0

0.517+/-0.000 χ^2/NDF : 5459107033.5/18

0.545+/-0.000 χ^2/NDF : 11360062810.6/3

0.577+/-0.000 χ^2/NDF : 5822035159.2/20

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 22253.7/1

Right Out: 0.013+/-0.000 χ^2/NDF : 1289415.7/19

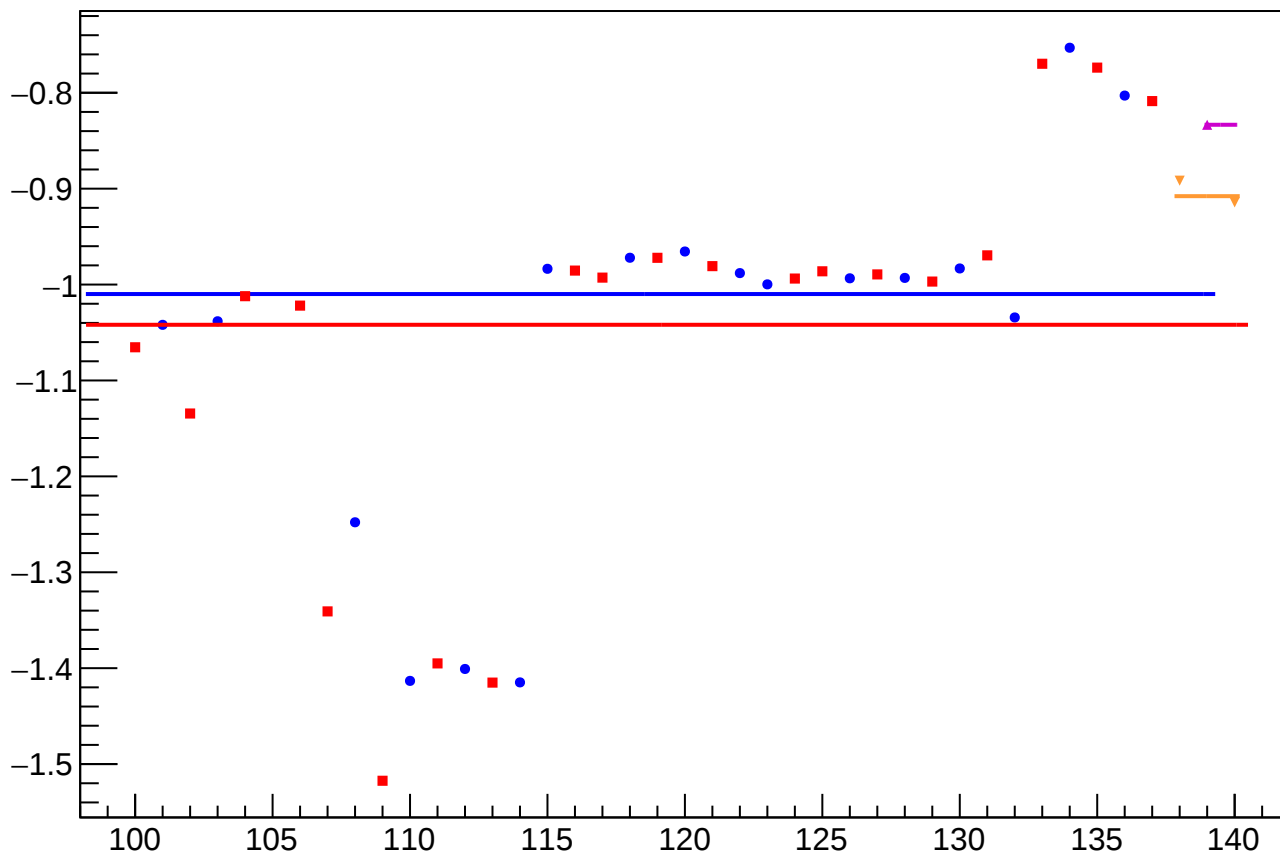
Left In: 0.013+/-0.000 χ^2/NDF : 0.0/0

0.012+/-0.000 χ^2/NDF : 1332186.1/18

0.012+/-0.000 χ^2/NDF : 2632767.2/39

0.013+/-0.000 χ^2/NDF : 1289484.4/20

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010 ± 0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.908 ± 0.000 χ^2/NDF : 287841.1/1

Right Out: -1.042 ± 0.000 χ^2/NDF : 530175104.2/19

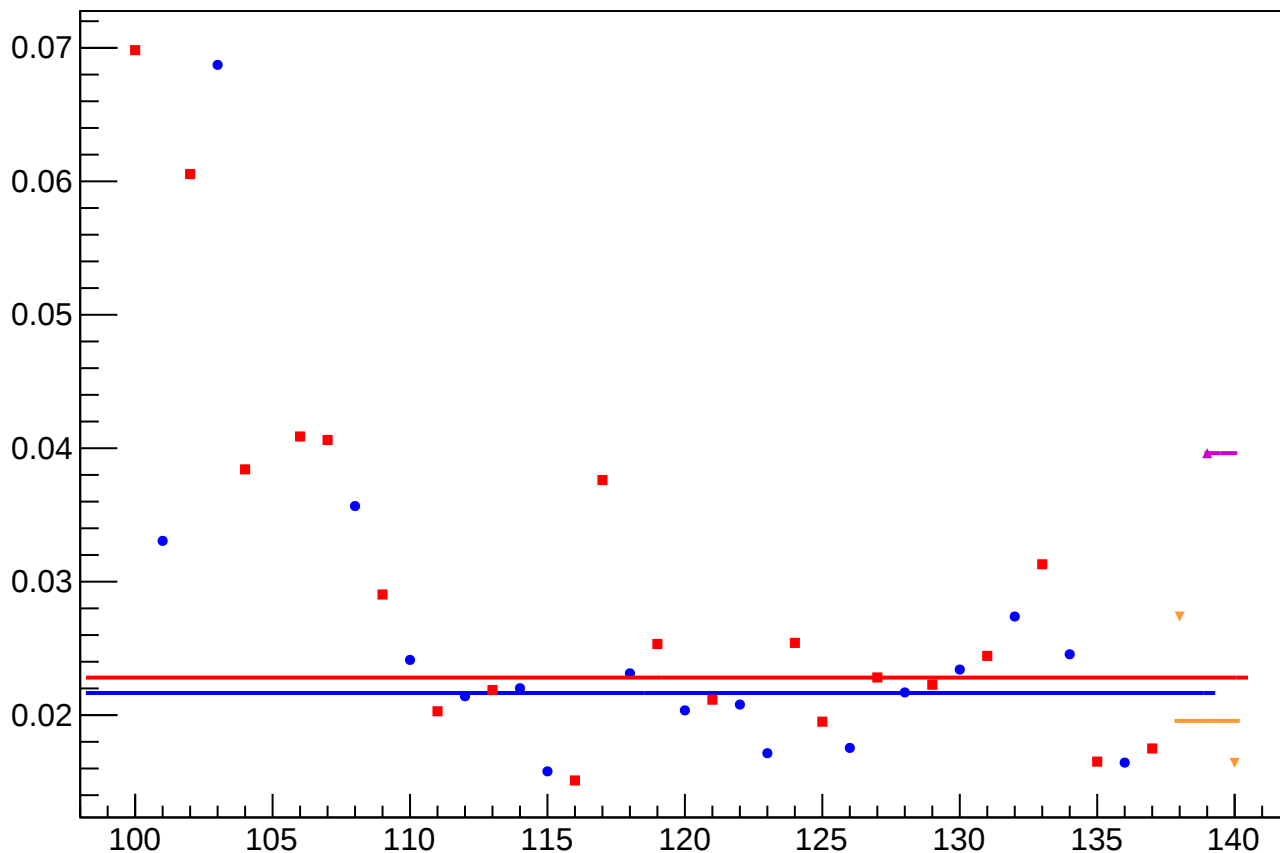
Left In: -0.833 ± 0.000 χ^2/NDF : 0.0/0

-0.989 ± 0.000 χ^2/NDF : 410713420.1/18

-1.009 ± 0.000 χ^2/NDF : 970588932.0/39

-1.034 ± 0.000 χ^2/NDF : 548150886.0/20

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.020+/-0.000 χ^2/NDF :134967.1/1

Right Out: 0.023+/-0.000 χ^2/NDF : 1165116.5/19

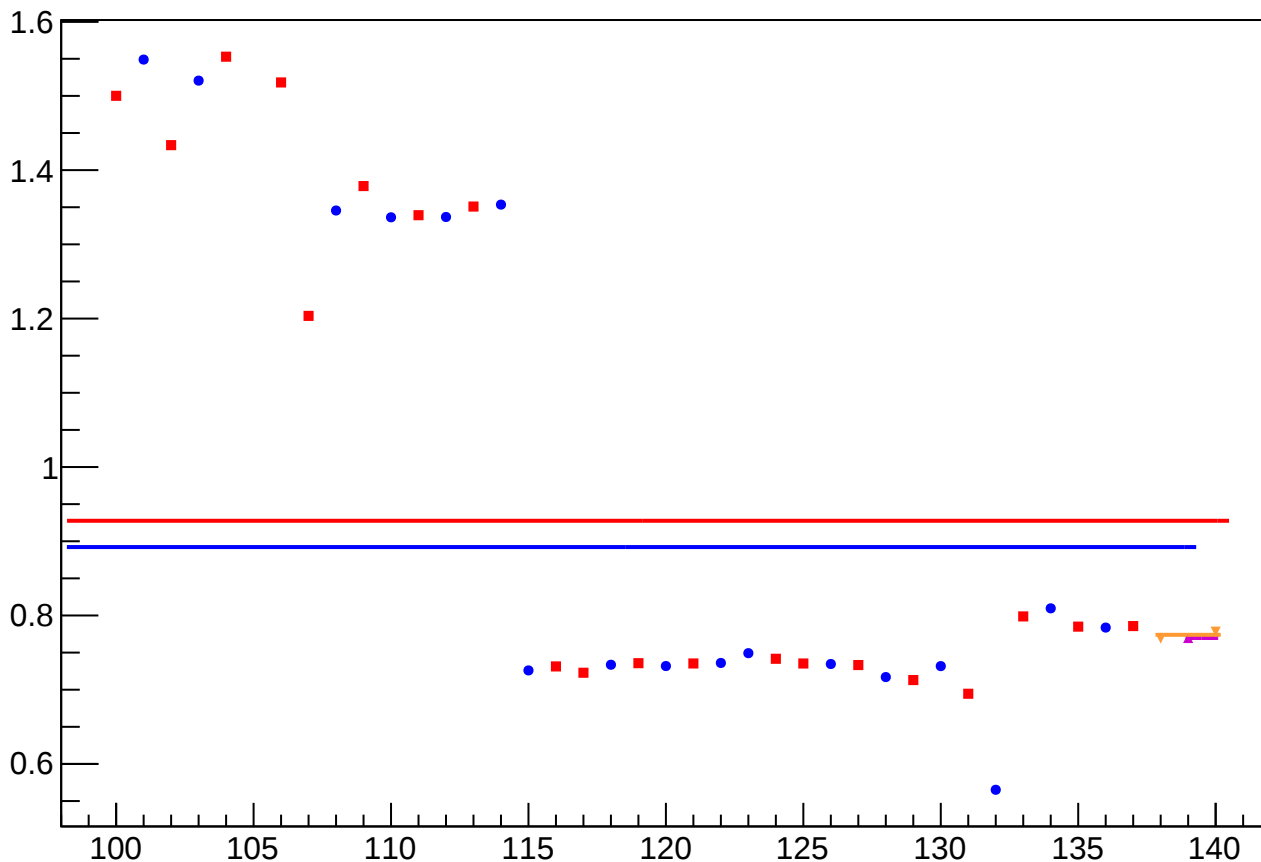
Left In: 0.040+/-0.000 χ^2/NDF :0.0/0

0.021+/-0.000 χ^2/NDF : 1137547.8/18

0.022+/-0.000 χ^2/NDF : 2597172.7/39

0.023+/-0.000 χ^2/NDF : 1398968.5/20

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.774+/-0.000 χ^2/NDF :222928.7/1

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

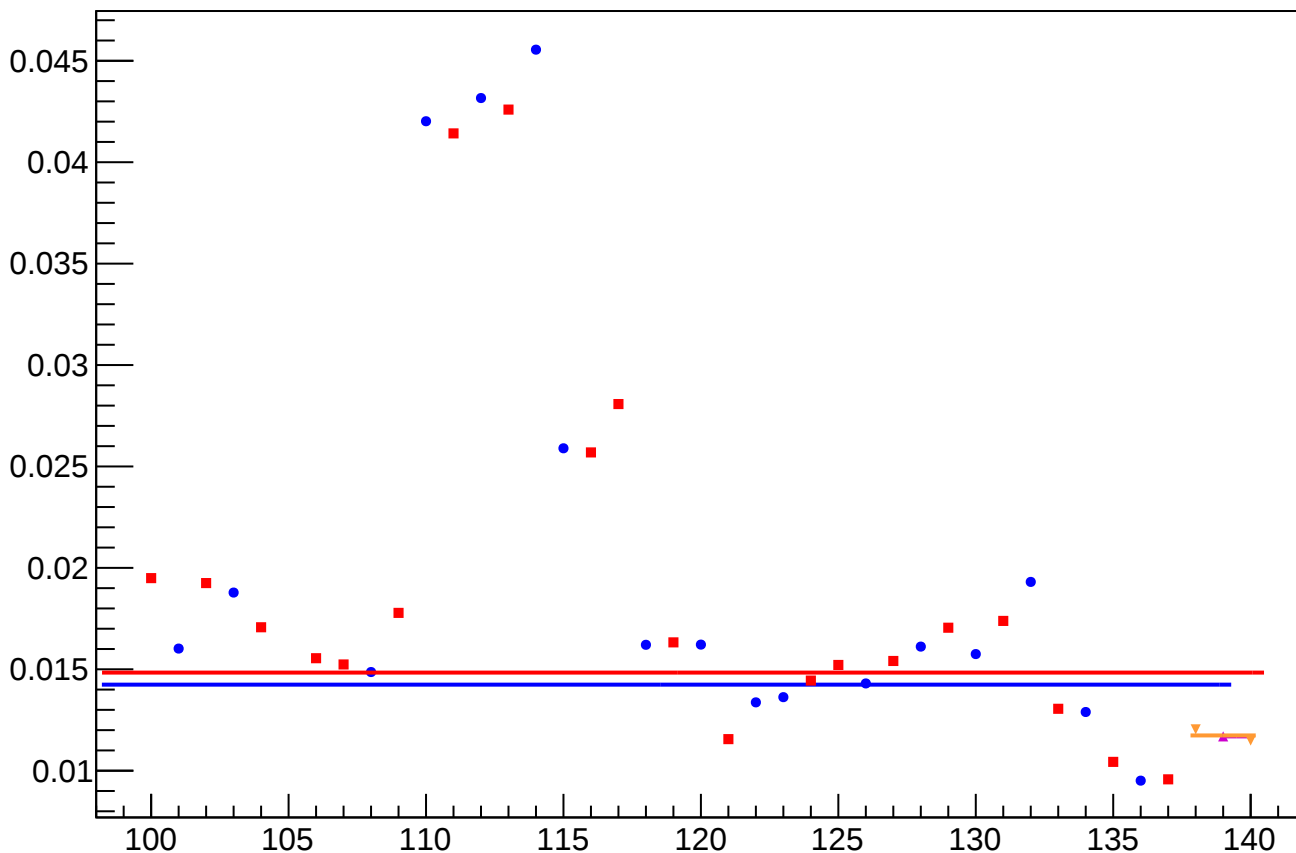
Left In: 0.770+/-0.000 χ^2/NDF :0.0/0

0.860+/-0.000 χ^2/NDF : 2520934531.9/18

0.880+/-0.000 χ^2/NDF : 5097983137.0/39

0.904+/-0.000 χ^2/NDF : 2543235503.4/20

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012+/-0.000 χ^2/NDF :1602.1/1

Right Out: 0.015+/-0.000 χ^2/NDF : 1291174.0/19

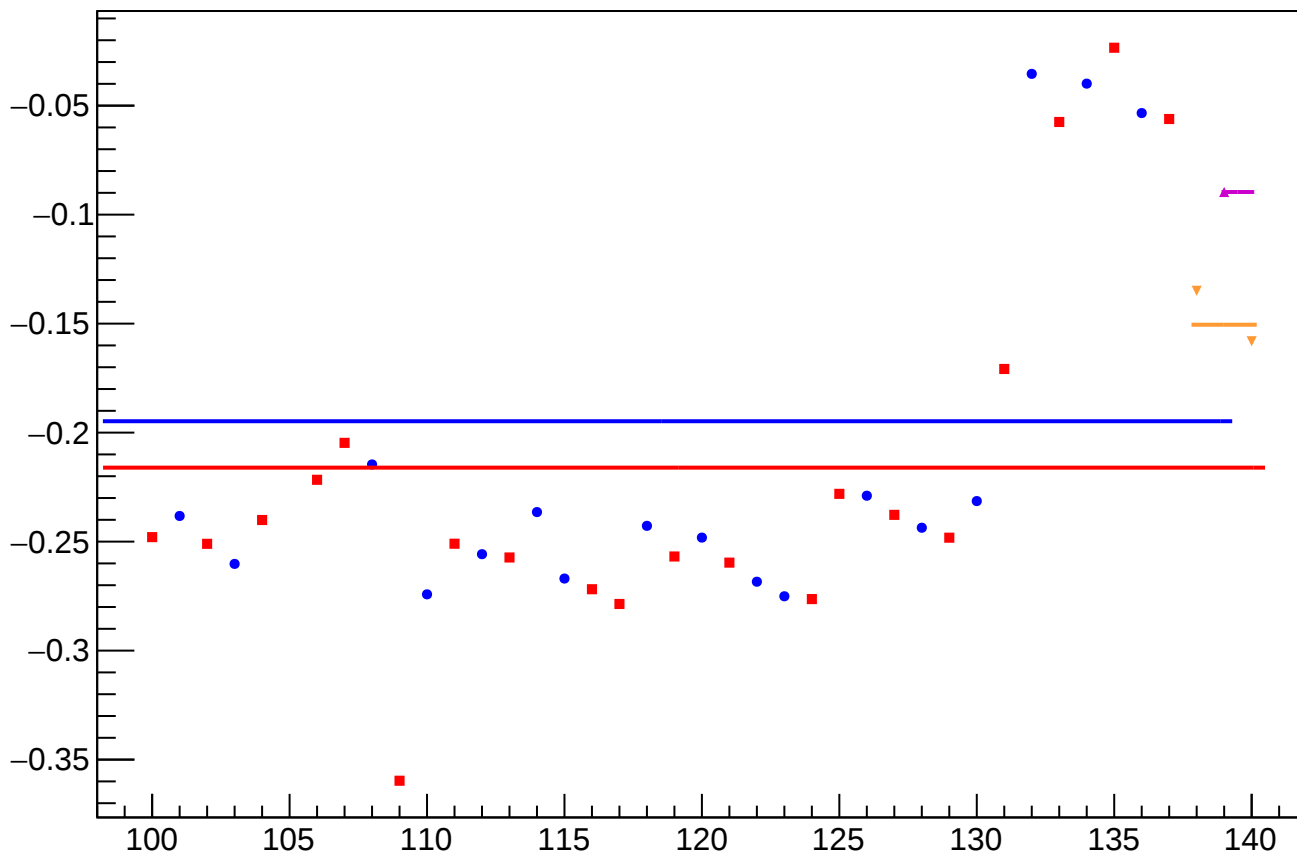
Left In: 0.012+/-0.000 χ^2/NDF :0.0/0

0.014+/-0.000 χ^2/NDF : 1513268.4/18

0.014+/-0.000 χ^2/NDF : 2909403.8/39

0.014+/-0.000 χ^2/NDF : 1373427.9/20

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.151+/-0.000 χ^2/NDF : 310976.3/1

Right Out: -0.216+/-0.000 χ^2/NDF : 112167032.2/19

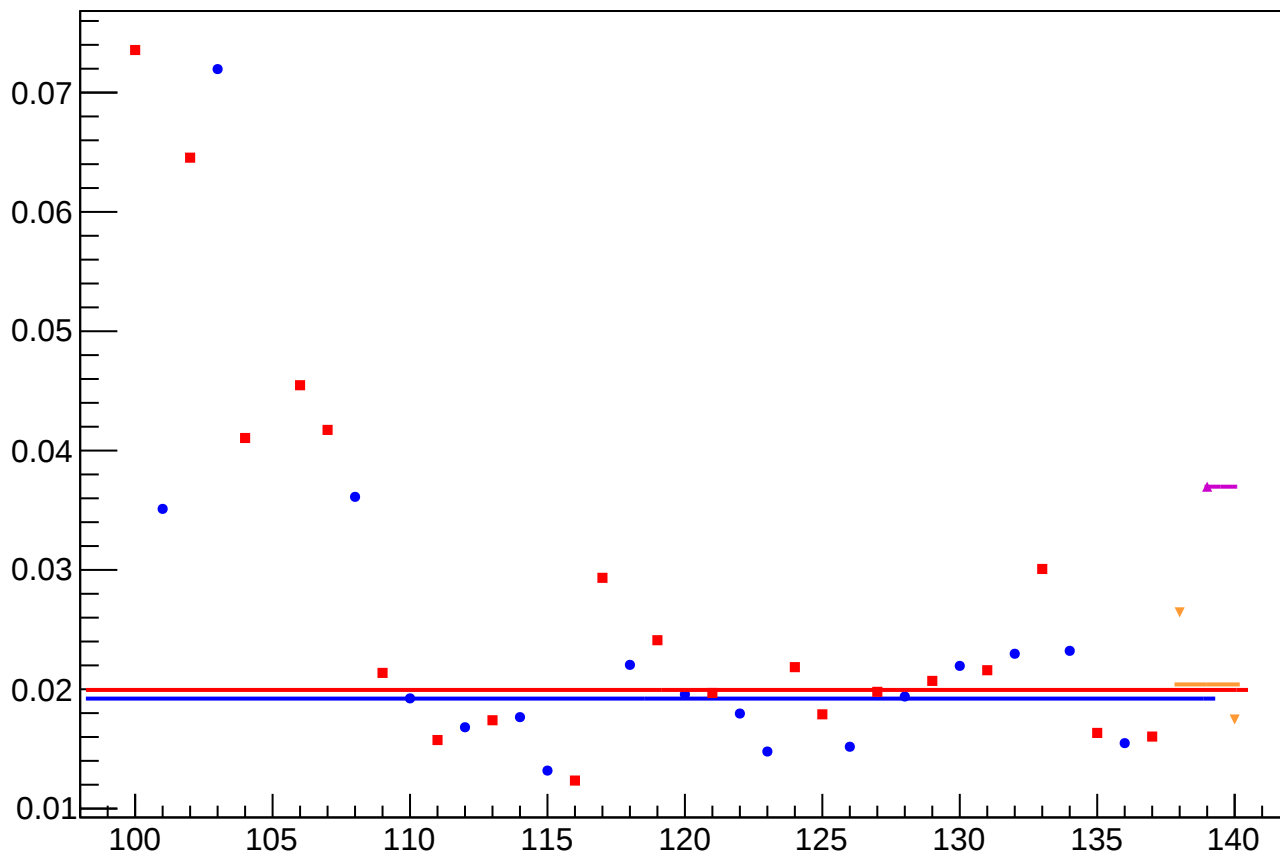
Left In: -0.090+/-0.000 χ^2/NDF : 0.0/0

-0.188+/-0.000 χ^2/NDF : 113289862.8/18

-0.198+/-0.000 χ^2/NDF : 237284699.4/39

-0.211+/-0.000 χ^2/NDF : 119764157.9/20

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.020+/-0.000 χ^2/NDF : 93546.0/1

Right Out: 0.020+/-0.000 χ^2/NDF : 1455211.7/19

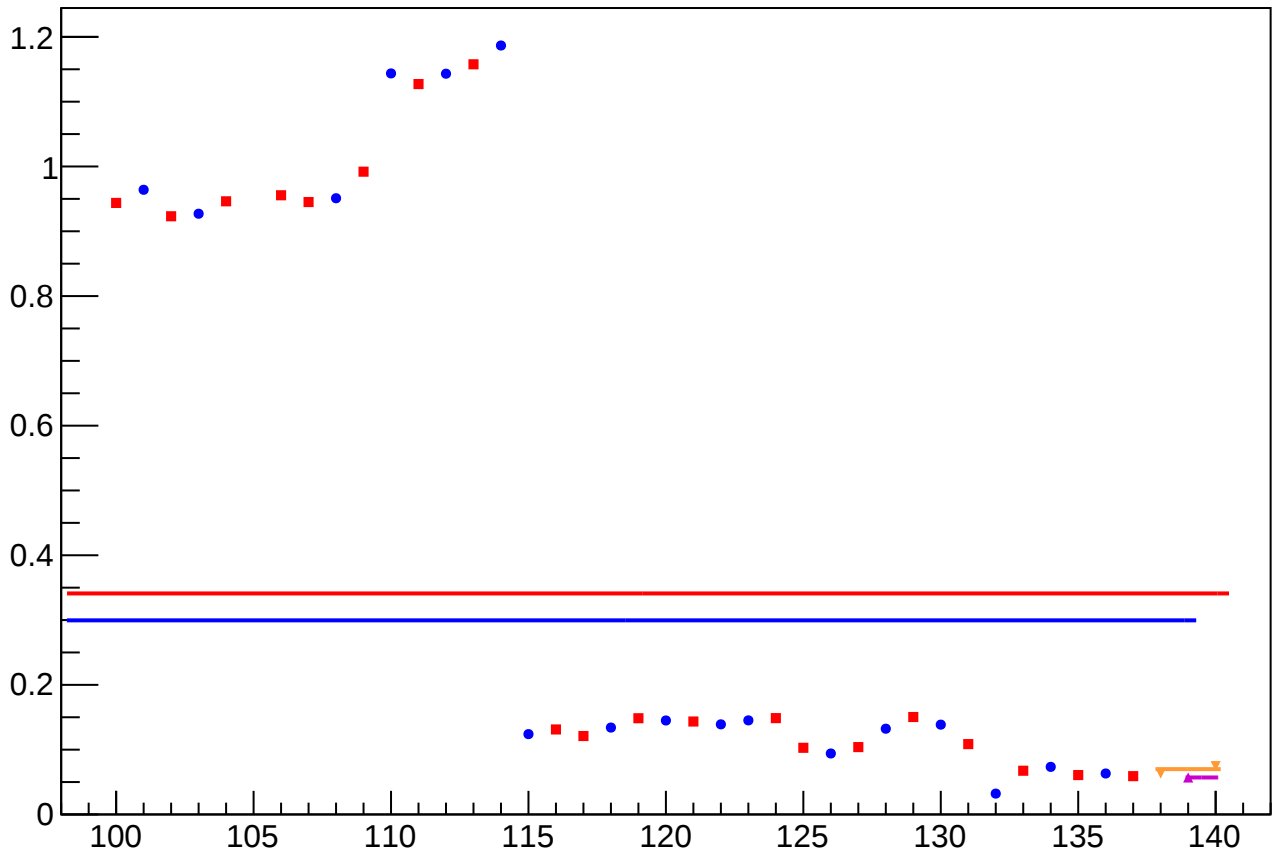
Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.019+/-0.000 χ^2/NDF : 1276850.5/18

0.020+/-0.000 χ^2/NDF : 3027307.3/39

0.021+/-0.000 χ^2/NDF : 1730874.2/20

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.070 $\pm$ 0.000 χ^2 /NDF:345099.5/1

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5453748737.7/19

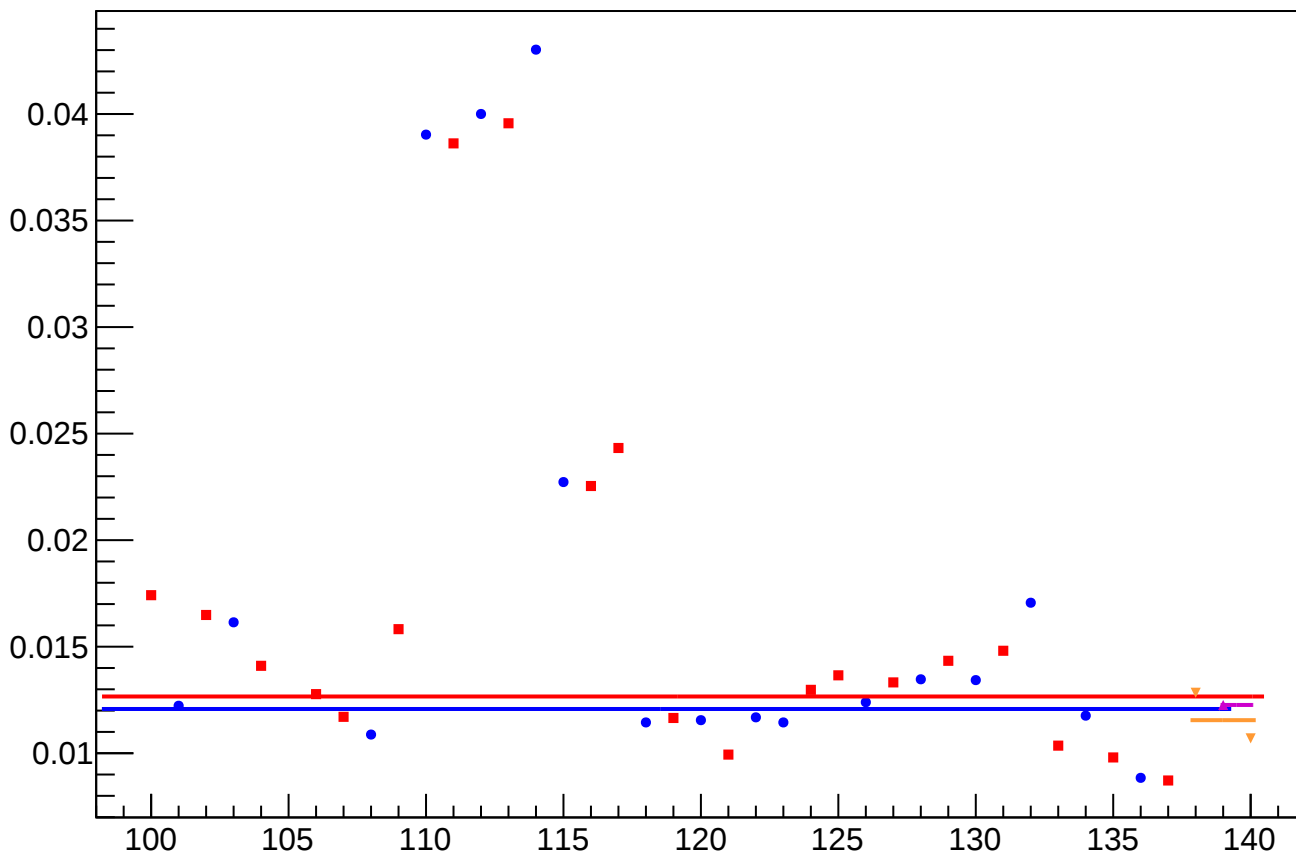
Left In: 0.057 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.250 $\pm$ 0.000 χ^2 /NDF: 5608705481.6/18

0.278 $\pm$ 0.000 χ^2 /NDF: 11463035894.0/3

0.311 $\pm$ 0.000 χ^2 /NDF: 5770409941.9/20

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1282097.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 23581.5/1

Right Out: 0.013+/-0.000 χ^2/NDF : 1255391.1/19

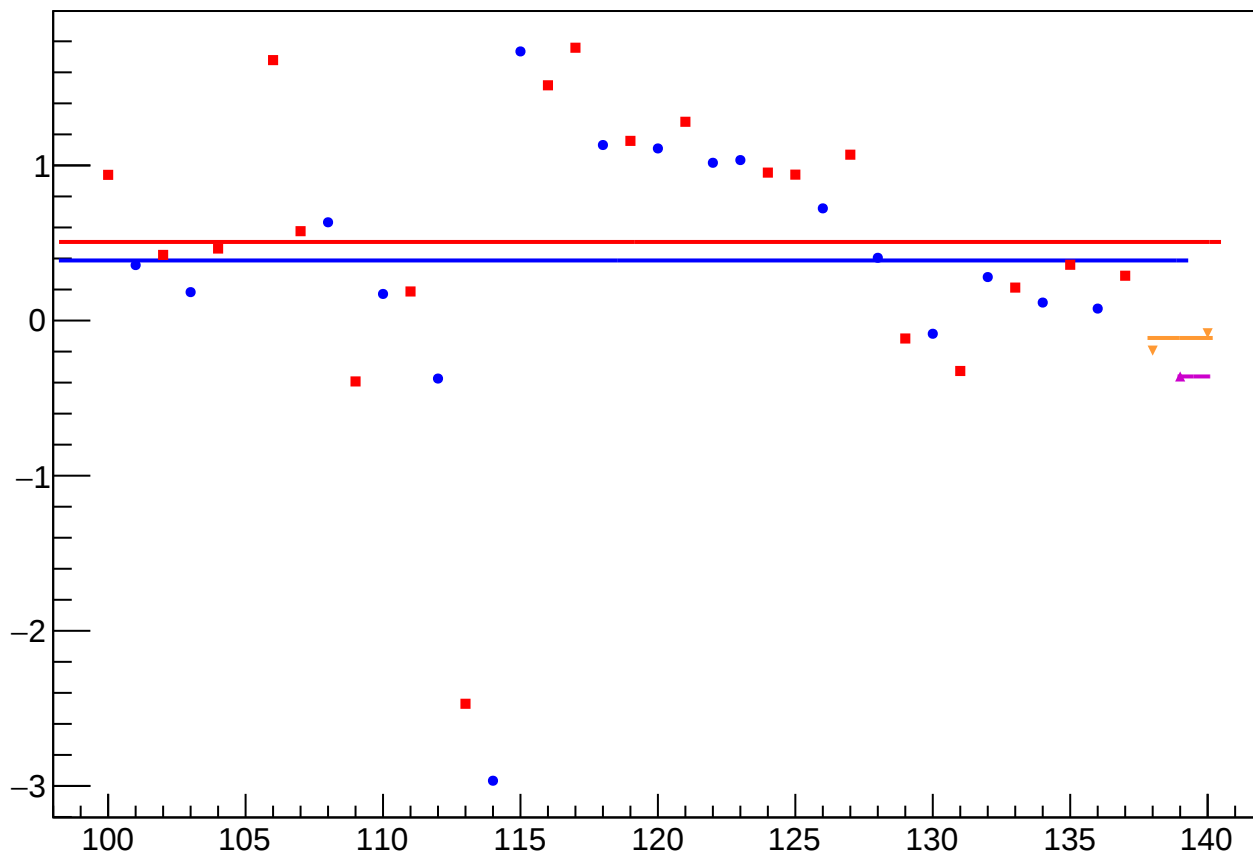
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.012+/-0.000 χ^2/NDF : 1310308.3/18

0.012+/-0.000 χ^2/NDF : 2586451.1/39

0.013+/-0.000 χ^2/NDF : 1256629.9/20

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: -0.112 $\pm$ 0.000 χ^2 /NDF: 281432.2/1

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995347030.4/19

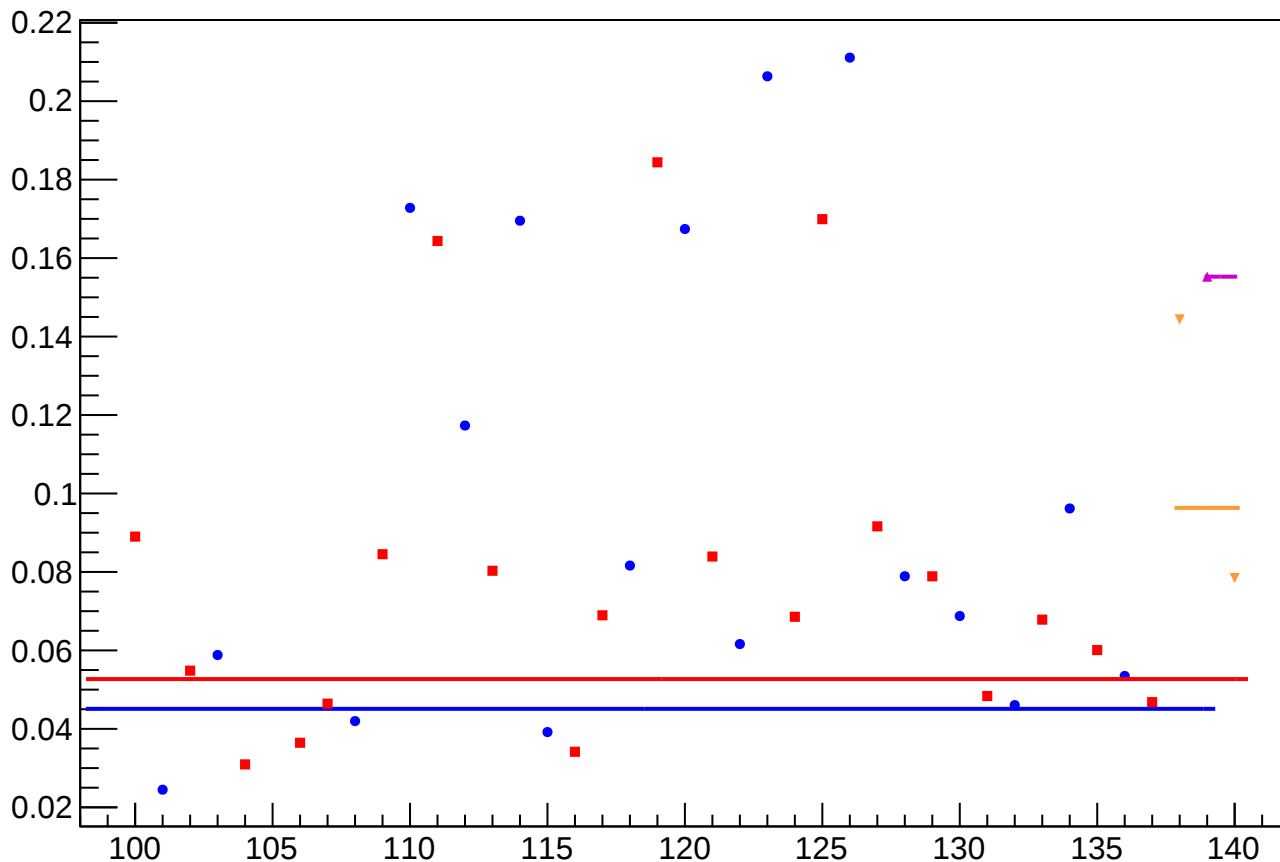
Left In: -0.360 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.357 $\pm$ 0.000 χ^2 /NDF: 274849785.7/18

0.418 $\pm$ 0.000 χ^2 /NDF: 1303801342.9/39

0.493 $\pm$ 0.000 χ^2 /NDF: 1013469116.4/20

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2846218.9/16

Left Out: 0.096 $\pm$ 0.000 χ^2 /NDF:195496.1/1

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2194555.4/19

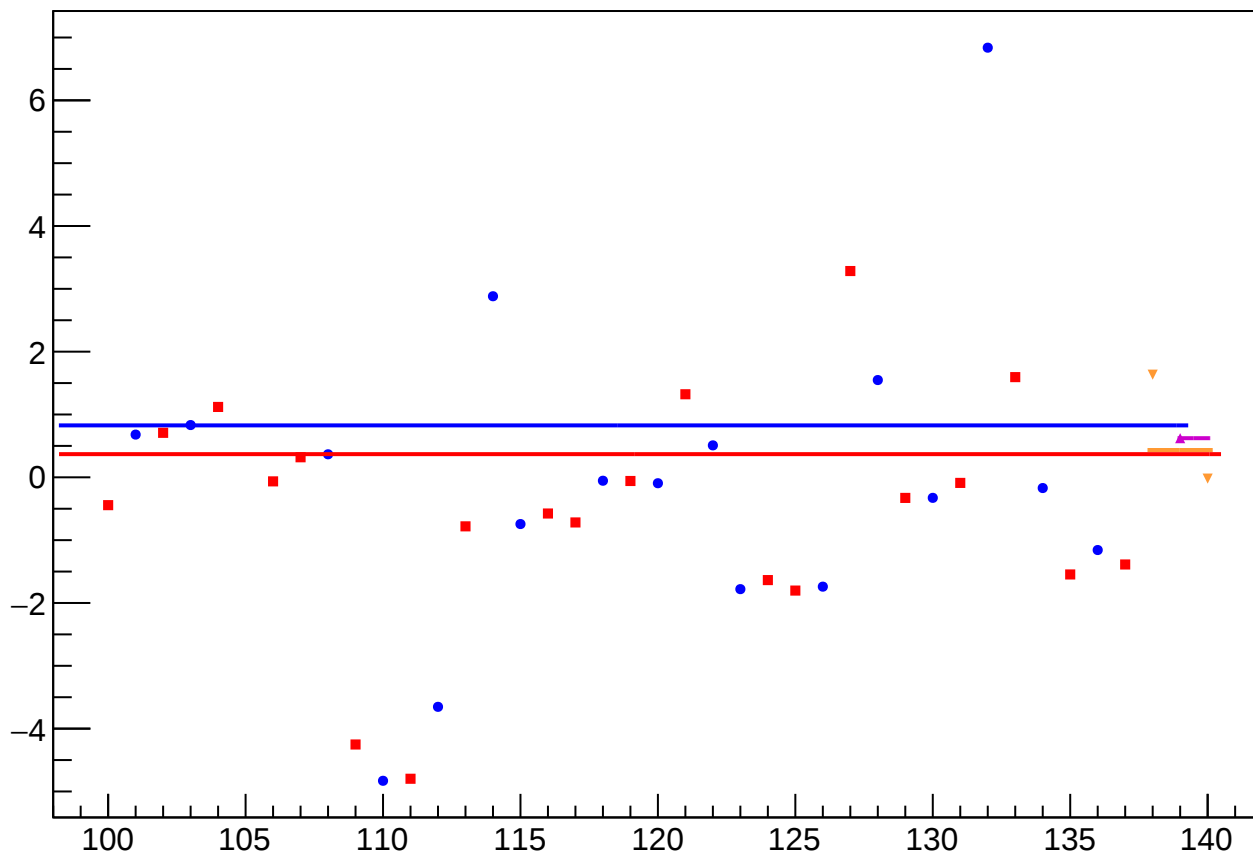
Left In: 0.155 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.048 $\pm$ 0.000 χ^2 /NDF: 3602132.5/18

0.051 $\pm$ 0.000 χ^2 /NDF: 6366621.8/39

0.054 $\pm$ 0.000 χ^2 /NDF: 2701817.6/20

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827 +/- 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.435 +/- 0.000 χ^2/NDF : 113353558.9/1

Right Out: 0.369 +/- 0.000 χ^2/NDF : 4985860510.0/19

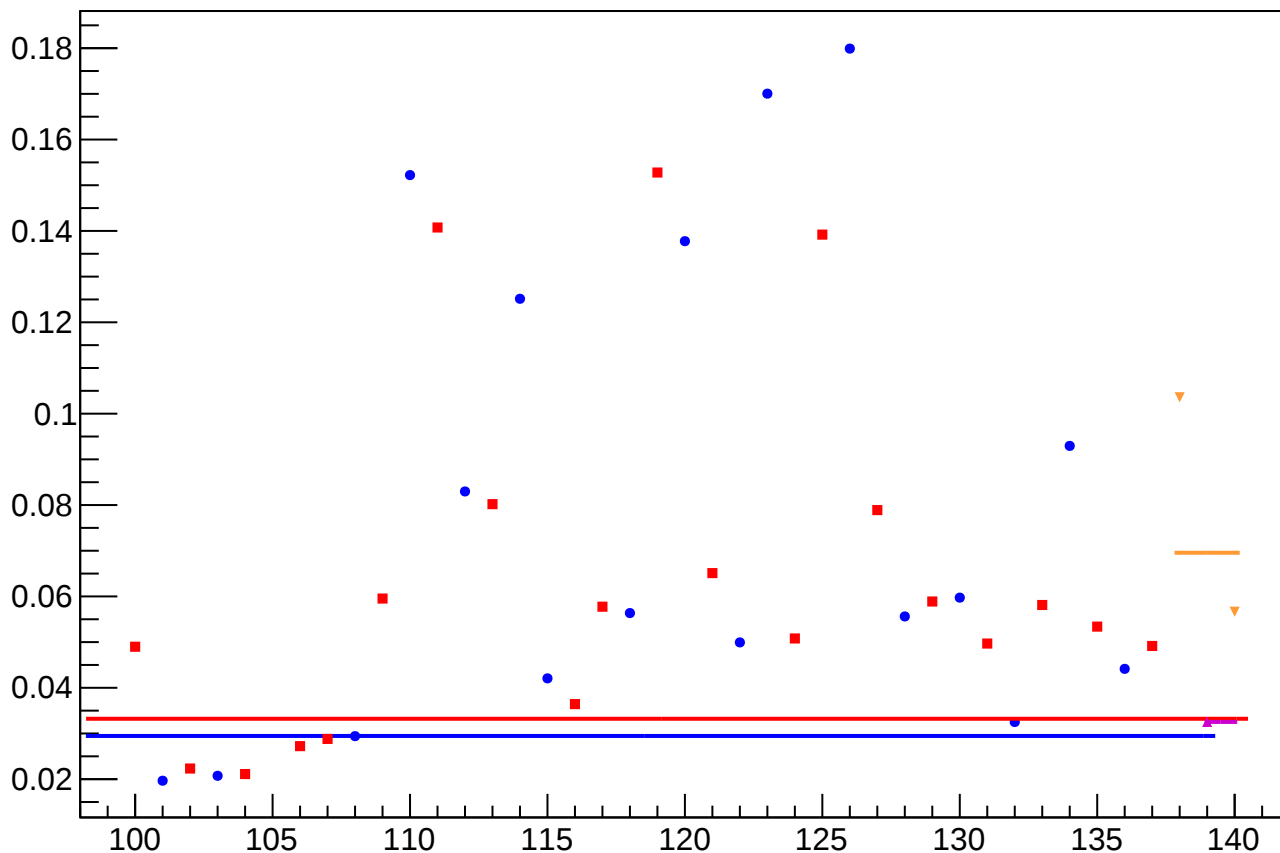
Left In: 0.623 +/- 0.000 χ^2/NDF : 0.0/0

0.807 +/- 0.000 χ^2/NDF : 11080104426.2/18

0.606 +/- 0.000 χ^2/NDF : 16430527185.4/3

0.381 +/- 0.000 χ^2/NDF : 4996961263.1/20

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.070 $\pm$ 0.000 χ^2/NDF : 182512.2/1

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3110014.7/19

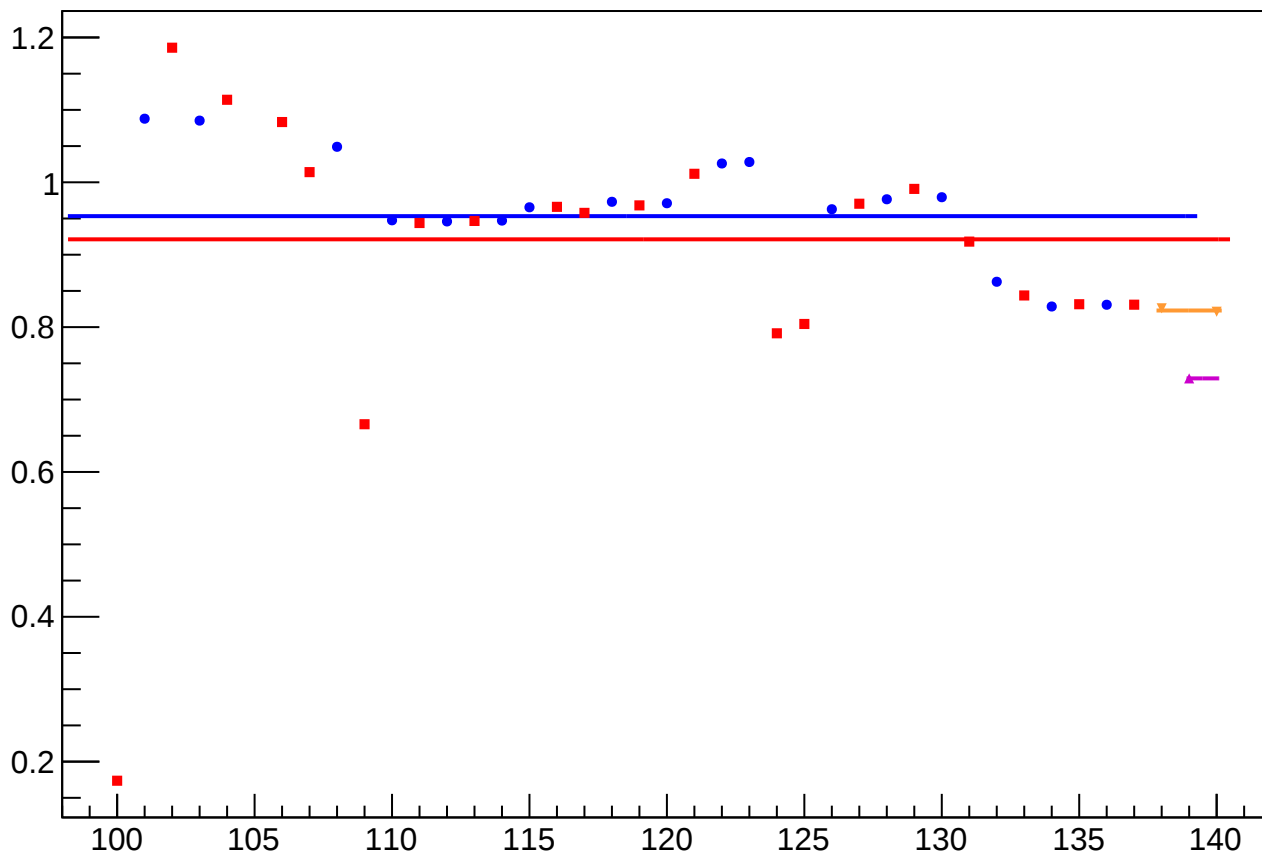
Left In: 0.033 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.031 $\pm$ 0.000 χ^2/NDF : 3870567.2/18

0.032 $\pm$ 0.000 χ^2/NDF : 6992293.8/39

0.033 $\pm$ 0.000 χ^2/NDF : 3110180.4/20

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.823 $\pm$ 0.000 χ^2 /NDF: 37293.2/1

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374376205.4/19

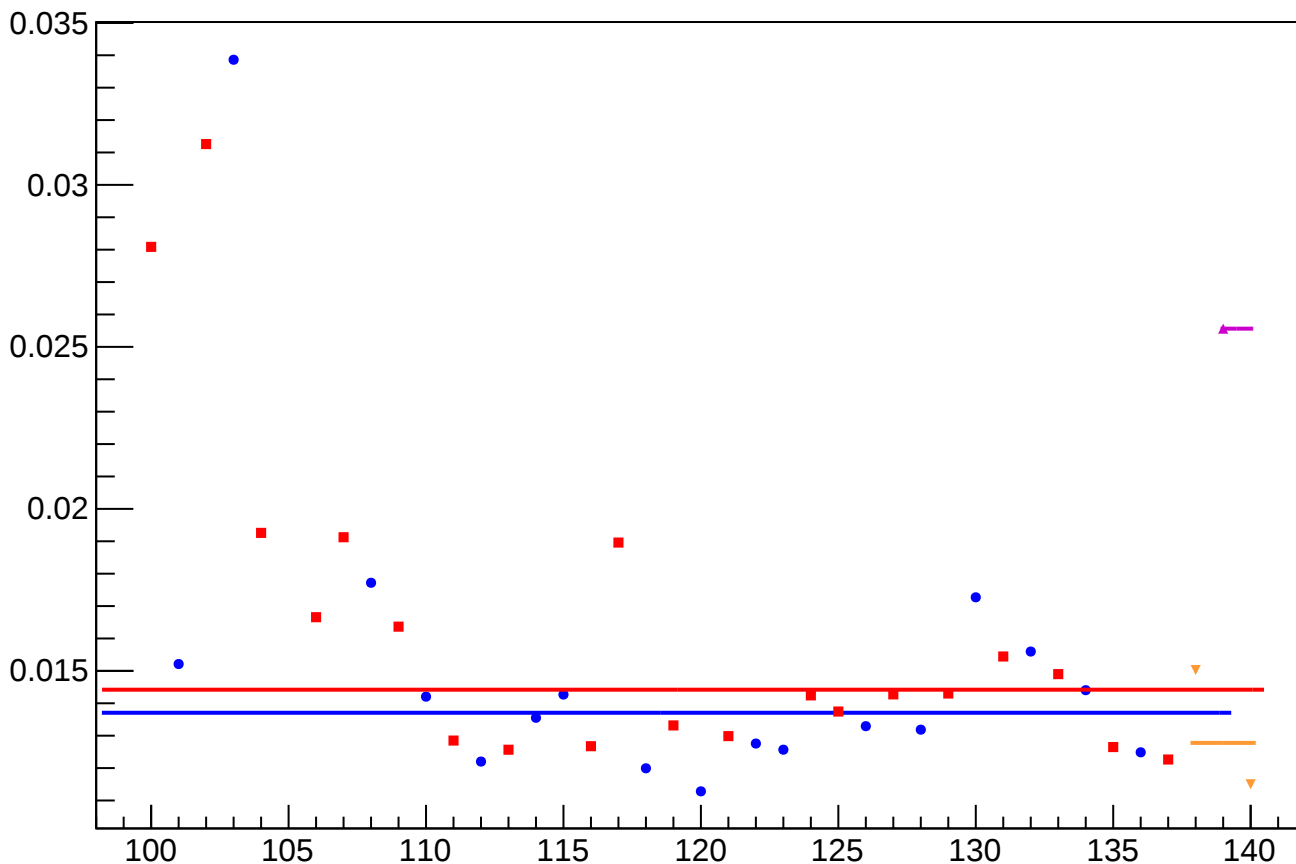
Left In: 0.729 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.929 $\pm$ 0.000 χ^2 /NDF: 274409943.6/18

0.923 $\pm$ 0.000 χ^2 /NDF: 687892922.3/39

0.915 $\pm$ 0.000 χ^2 /NDF: 410245170.4/20

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 546317.6/16

Left Out: 0.013+/-0.000 χ^2/NDF : 41281.1/1

Right Out: 0.014+/-0.000 χ^2/NDF : 506553.4/19

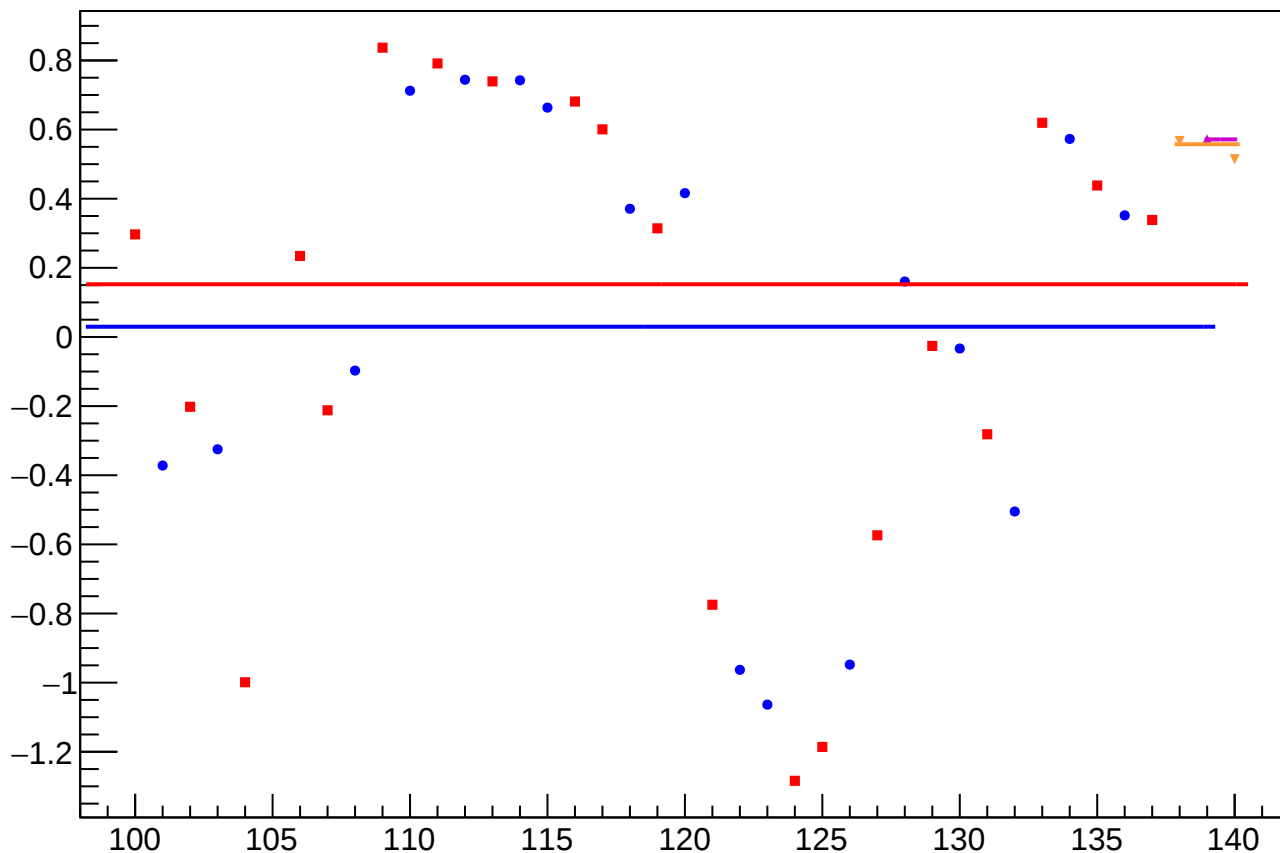
Left In: 0.026+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 597688.1/18

0.014+/-0.000 χ^2/NDF : 1399166.0/39

0.015+/-0.000 χ^2/NDF : 748108.2/20

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.558 $\pm$ 0.000 χ^2 /NDF: 8790840.7/1

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12673501089.9/19

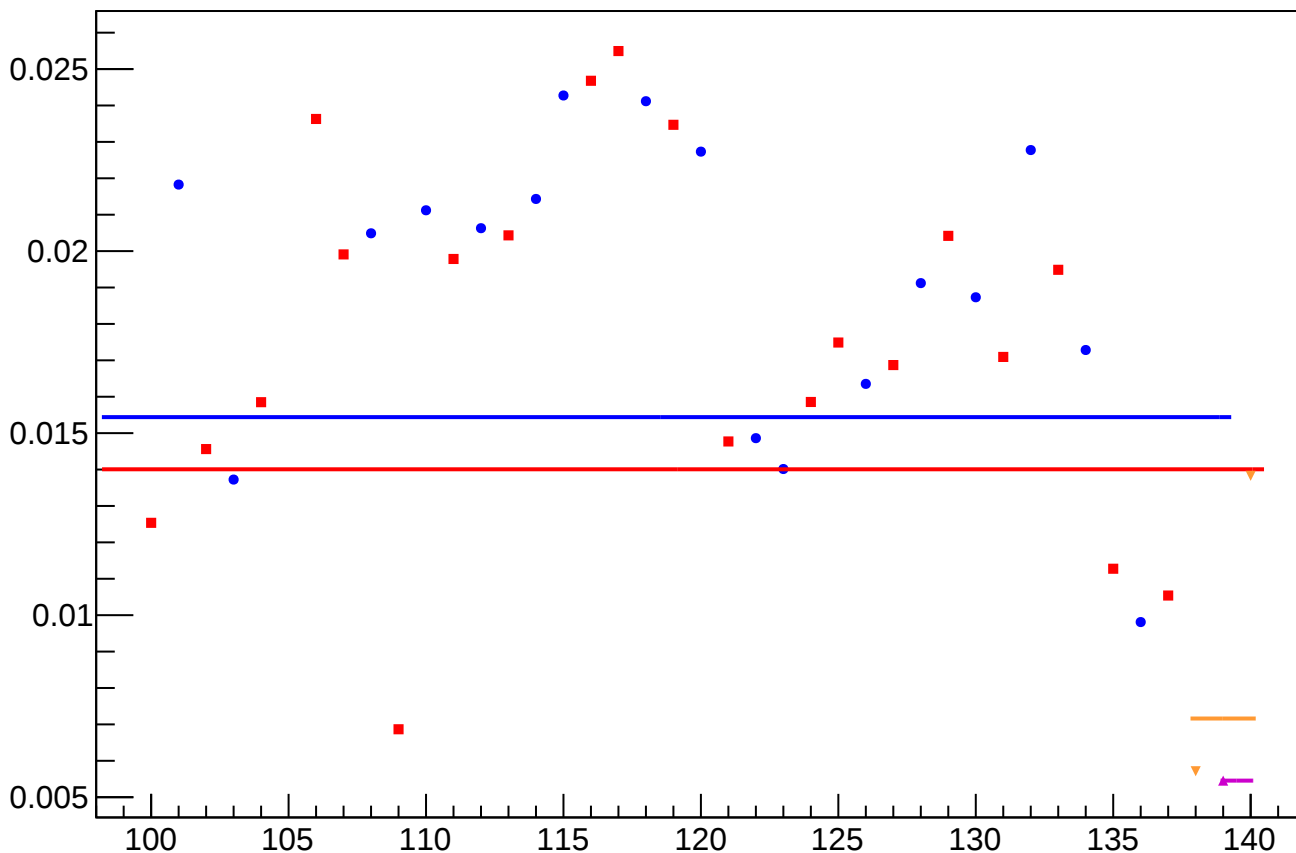
Left In: 0.572 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.282 $\pm$ 0.000 χ^2 /NDF: 9458420342.1/18

0.307 $\pm$ 0.000 χ^2 /NDF: 24333283601.5/3

0.331 $\pm$ 0.000 χ^2 /NDF: 14817495304.9/20

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.007+/-0.000 χ^2/NDF : 418284.1/1

Right Out: 0.014+/-0.000 χ^2/NDF : 1576149.9/19

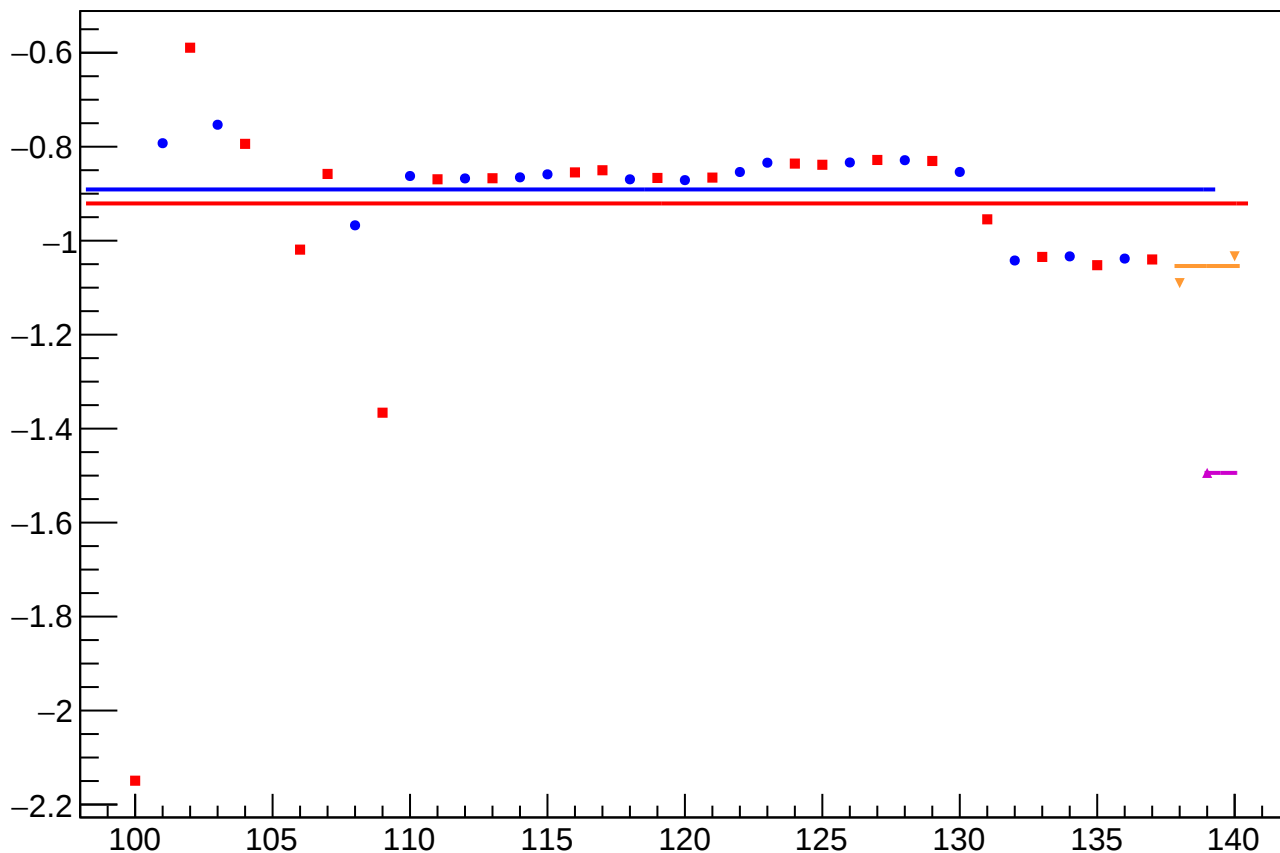
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 3131988.0/18

0.011+/-0.000 χ^2/NDF : 6552589.9/39

0.010+/-0.000 χ^2/NDF : 3361021.2/20

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.054+/-0.000 χ^2/NDF : 832839.8/1

Right Out: -0.921+/-0.000 χ^2/NDF : 131271770.4/19

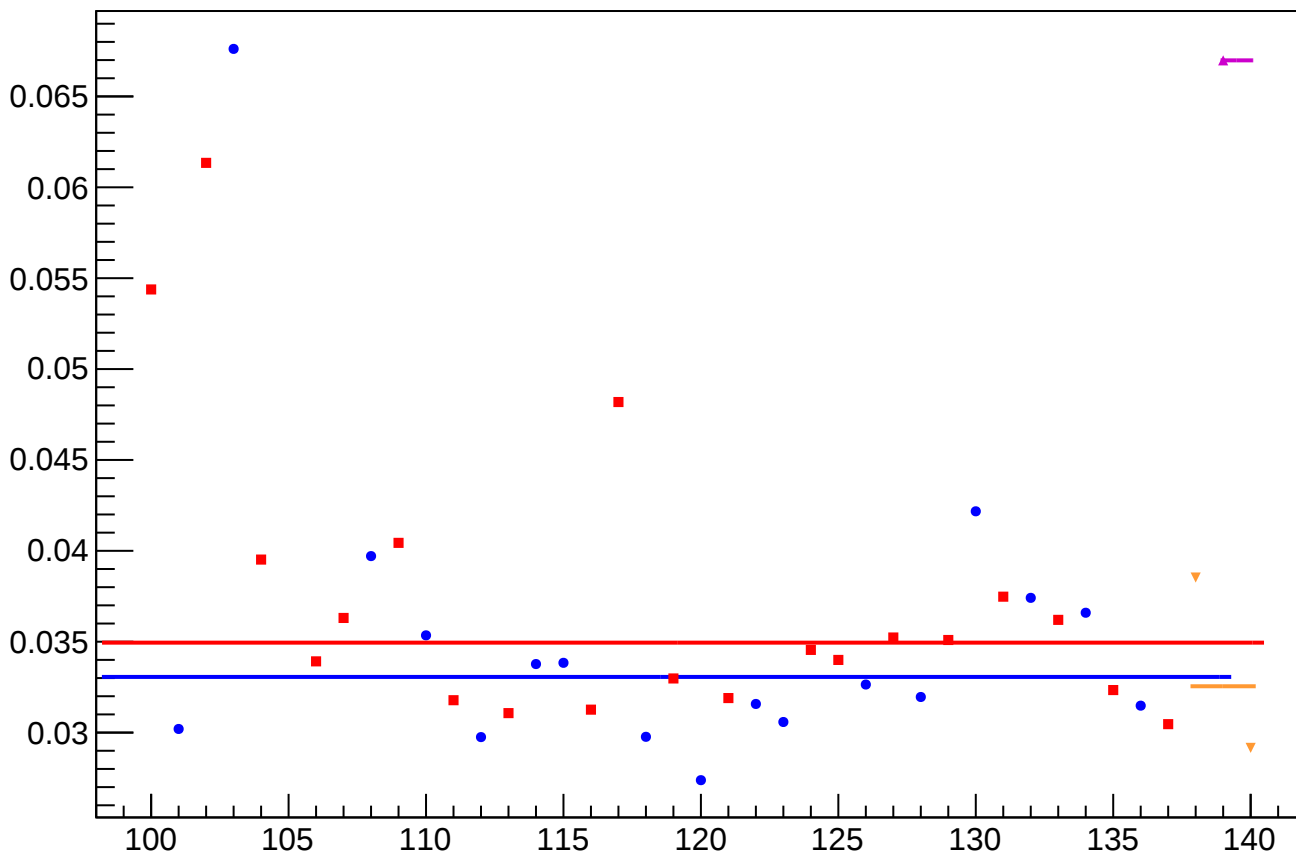
Left In: -1.494+/-0.000 χ^2/NDF : 0.0/0

-0.919+/-0.000 χ^2/NDF : 64815124.6/18

-0.927+/-0.000 χ^2/NDF : 243822344.1/39

-0.937+/-0.000 χ^2/NDF : 178070249.5/20

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.033+/-0.000 χ^2/NDF : 44963.8/1

Right Out: 0.035+/-0.000 χ^2/NDF : 280500.4/19

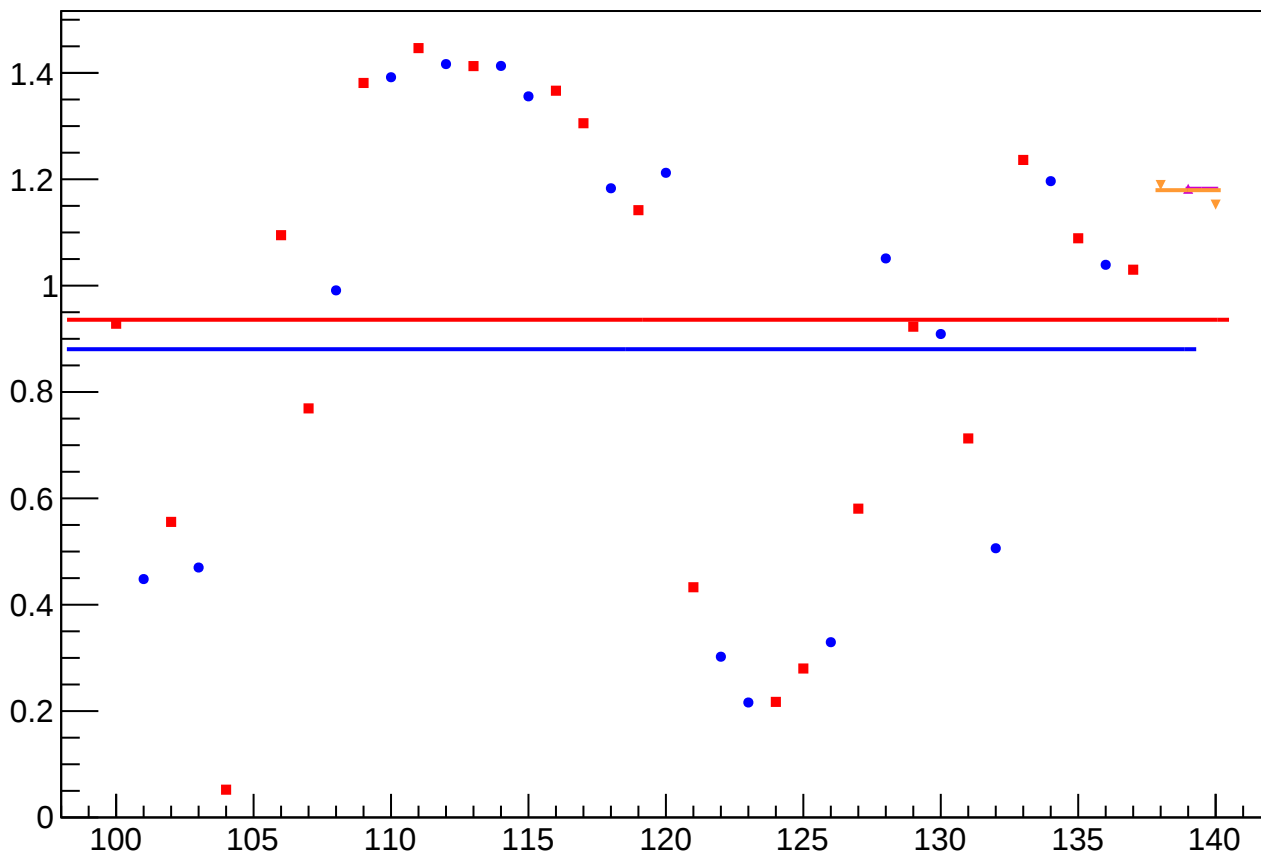
Left In: 0.067+/-0.000 χ^2/NDF : 0.0/0

0.033+/-0.000 χ^2/NDF : 454736.0/18

0.034+/-0.000 χ^2/NDF : 1075063.8/39

0.036+/-0.000 χ^2/NDF : 572613.2/20

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 1.180 $\pm$ 0.000 χ^2 /NDF: 8396803.1/1

Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

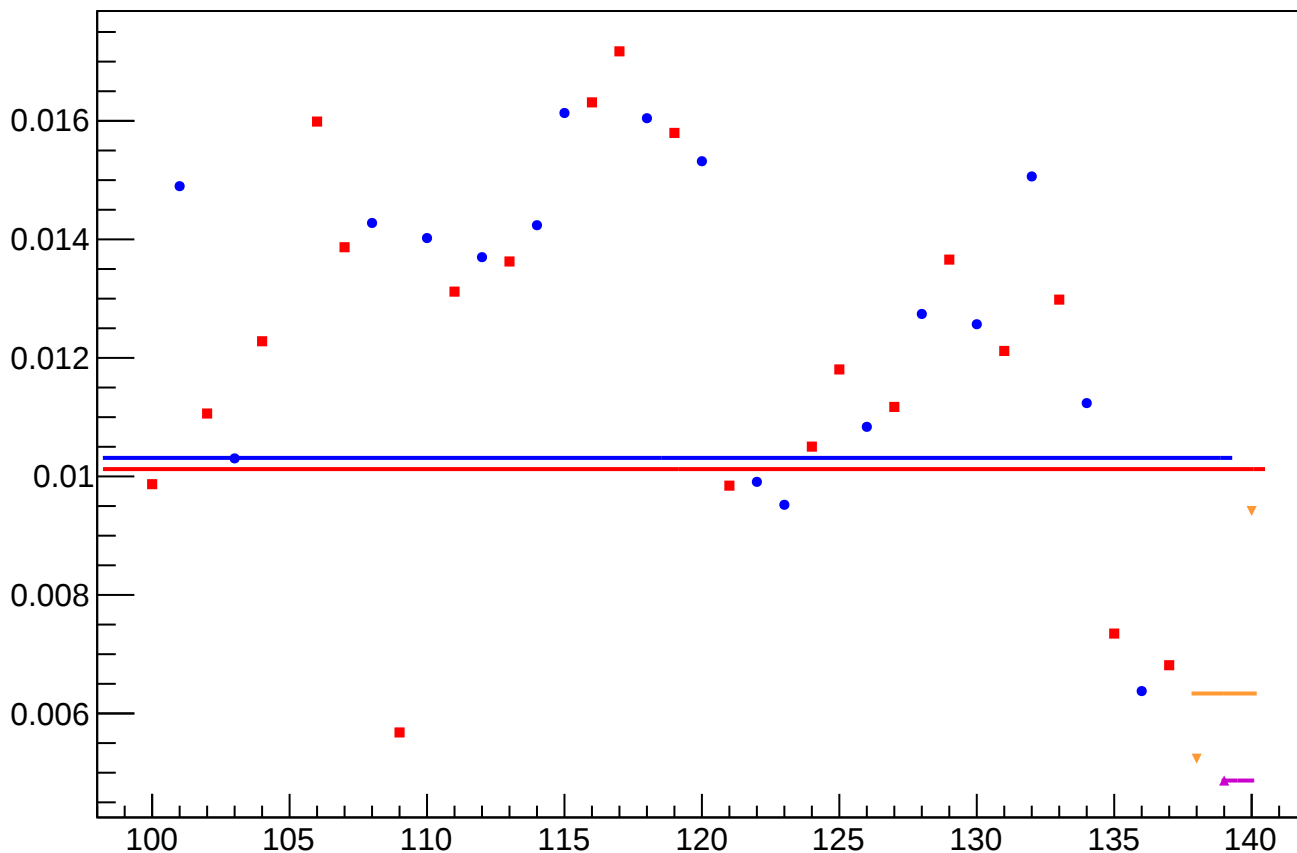
Left In: 1.182 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.993 $\pm$ 0.000 χ^2 /NDF: 8183876639.5/18

1.004 $\pm$ 0.000 χ^2 /NDF: 19161420287.7/3

1.014 $\pm$ 0.000 χ^2 /NDF: 10958441708.7/20

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 +/- 0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.006 +/- 0.000 χ^2/NDF : 215704.1/1

Right Out: 0.010 +/- 0.000 χ^2/NDF : 1191429.9/19

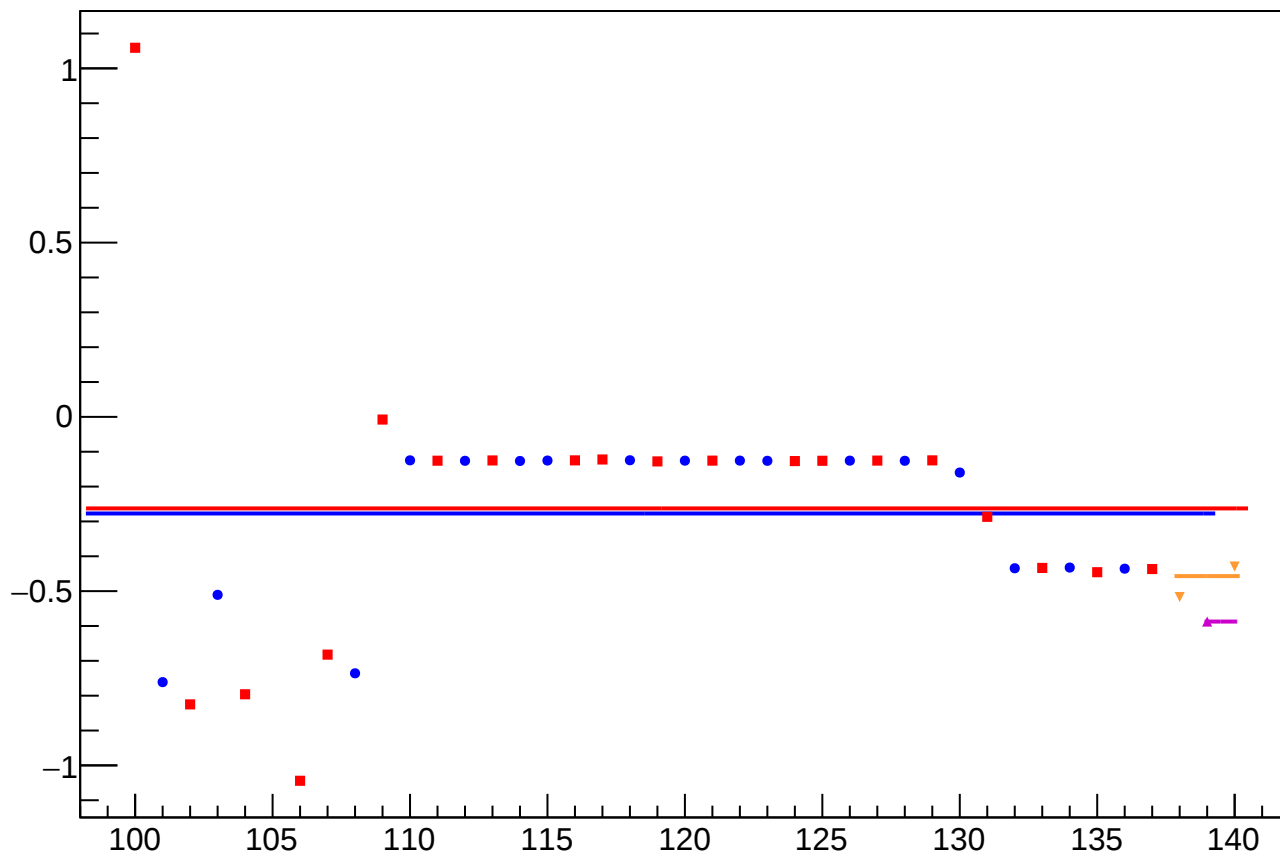
Left In: 0.005 +/- 0.000 χ^2/NDF : 0.0/0

0.009 +/- 0.000 χ^2/NDF : 2074452.3/18

0.009 +/- 0.000 χ^2/NDF : 4284966.9/39

0.008 +/- 0.000 χ^2/NDF : 2199183.4/20

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.277+/-0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.457+/-0.000 χ^2/NDF : 19015349.7/1

Right Out: -0.263+/-0.000 χ^2/NDF : 1009303829.9/19

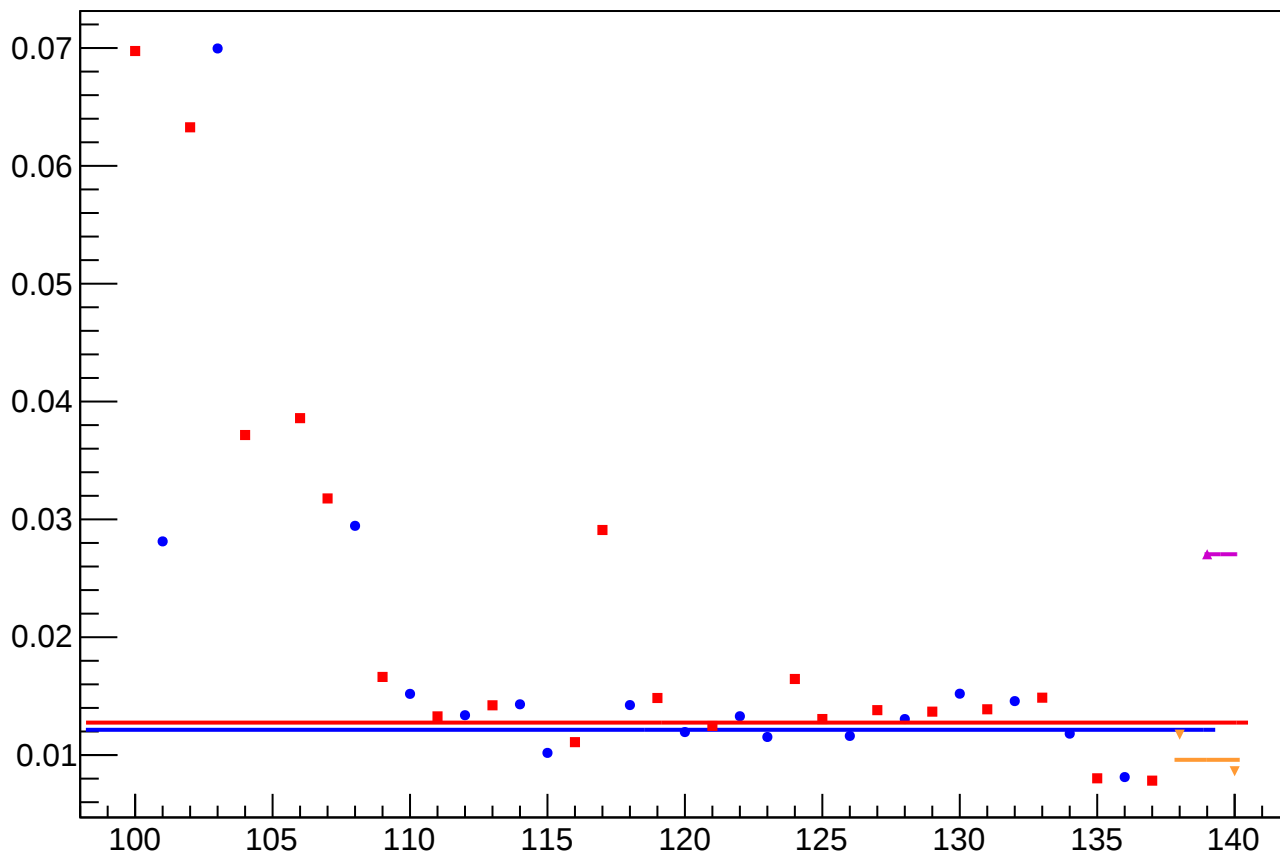
Left In: -0.587+/-0.000 χ^2/NDF : 0.0/0

-0.325+/-0.000 χ^2/NDF : 1234110722.9/18

-0.303+/-0.000 χ^2/NDF : 2386649081.4/39

-0.272+/-0.000 χ^2/NDF : 1102317523.7/20

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 +/- 0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.010 +/- 0.000 χ^2/NDF : 48018.3/1

Right Out: 0.013 +/- 0.000 χ^2/NDF : 1993726.2/19

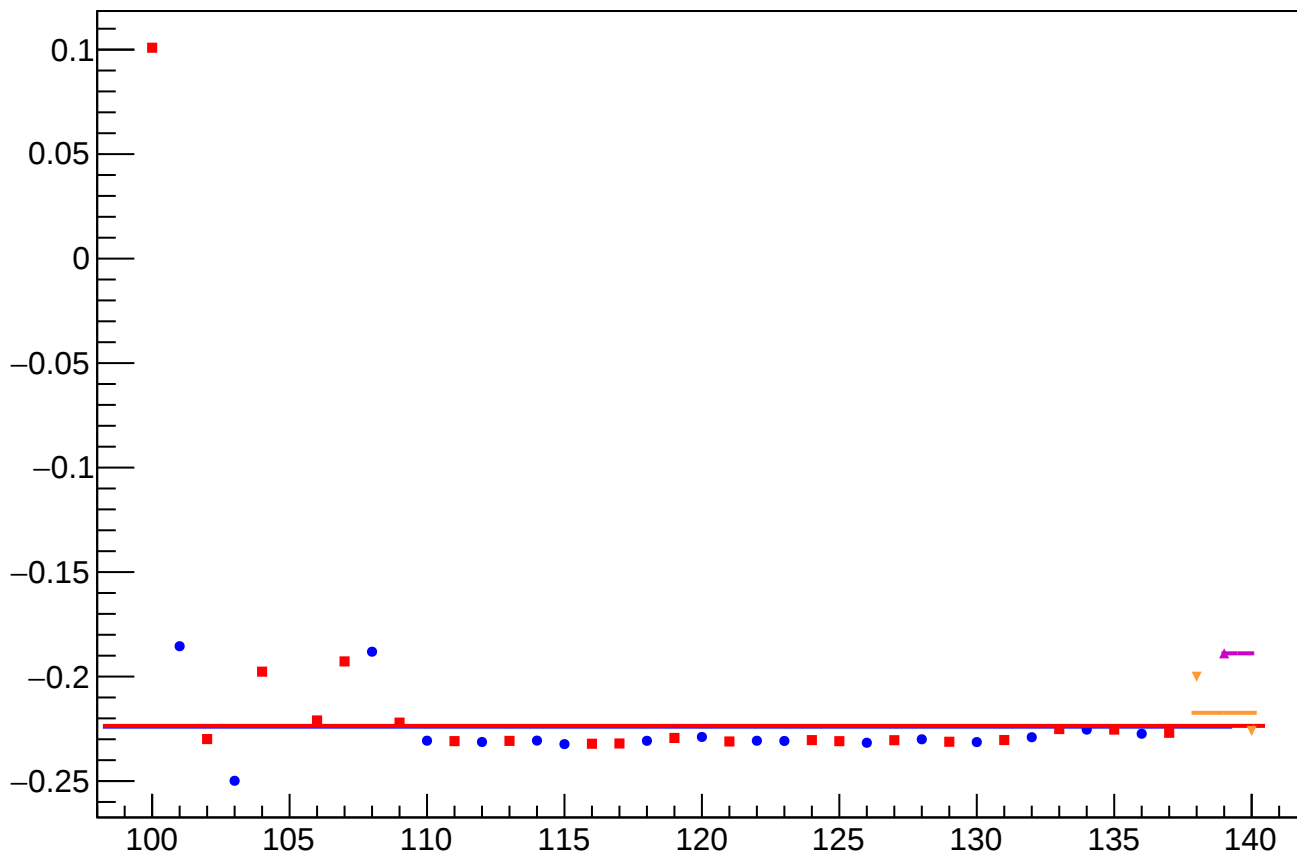
Left In: 0.027 +/- 0.000 χ^2/NDF : 0.0/0

0.011 +/- 0.000 χ^2/NDF : 1885802.1/18

0.012 +/- 0.000 χ^2/NDF : 4345284.1/39

0.013 +/- 0.000 χ^2/NDF : 2353942.3/20

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.217+/-0.000 χ^2/NDF : 9067002.8/1

Right Out: -0.224+/-0.000 χ^2/NDF : 168231258.4/19

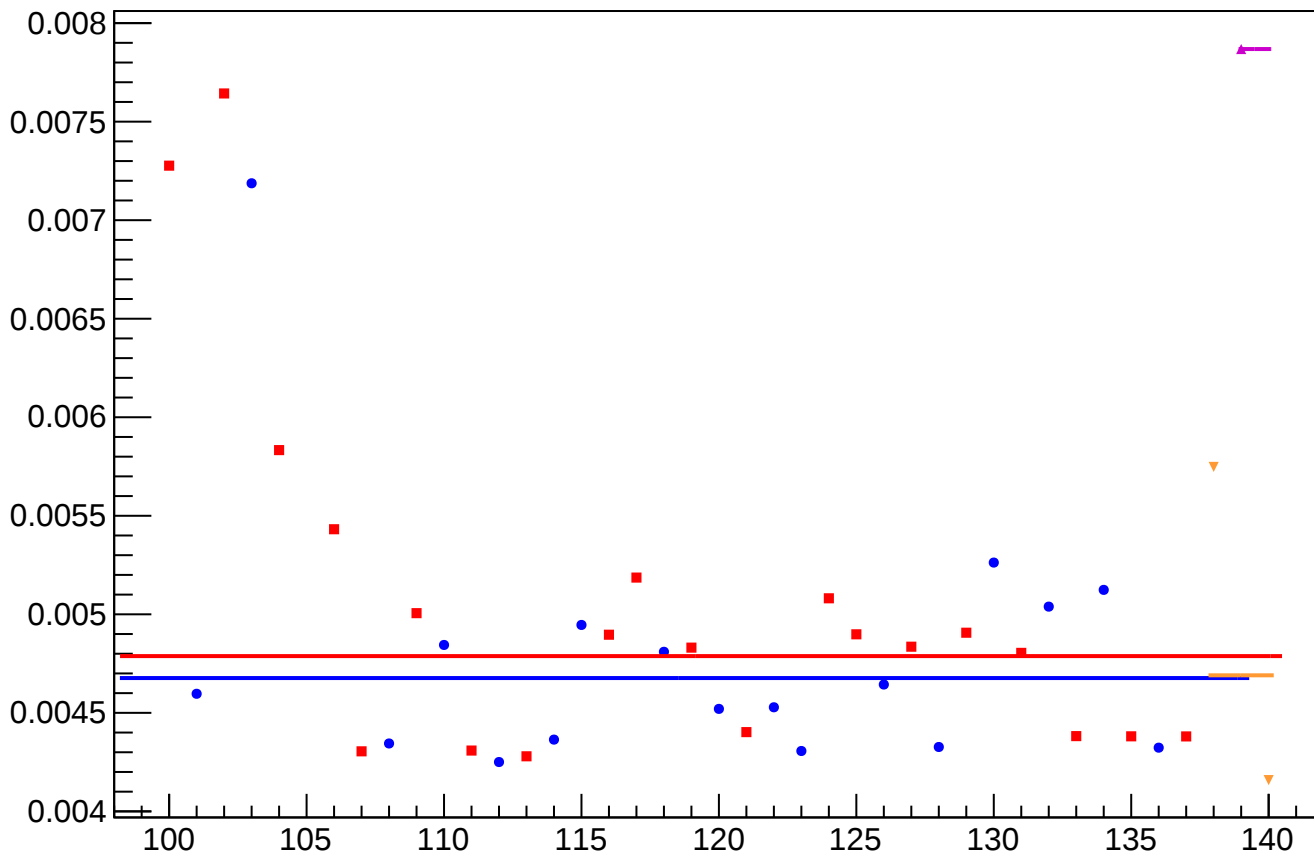
Left In: -0.189+/-0.000 χ^2/NDF : 0.0/0

-0.223+/-0.000 χ^2/NDF : 85943489.6/18

-0.223+/-0.000 χ^2/NDF : 266257839.9/39

-0.222+/-0.000 χ^2/NDF : 180288804.4/20

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 68109.6/1

Right Out: 0.005+/-0.000 χ^2/NDF : 248668.3/19

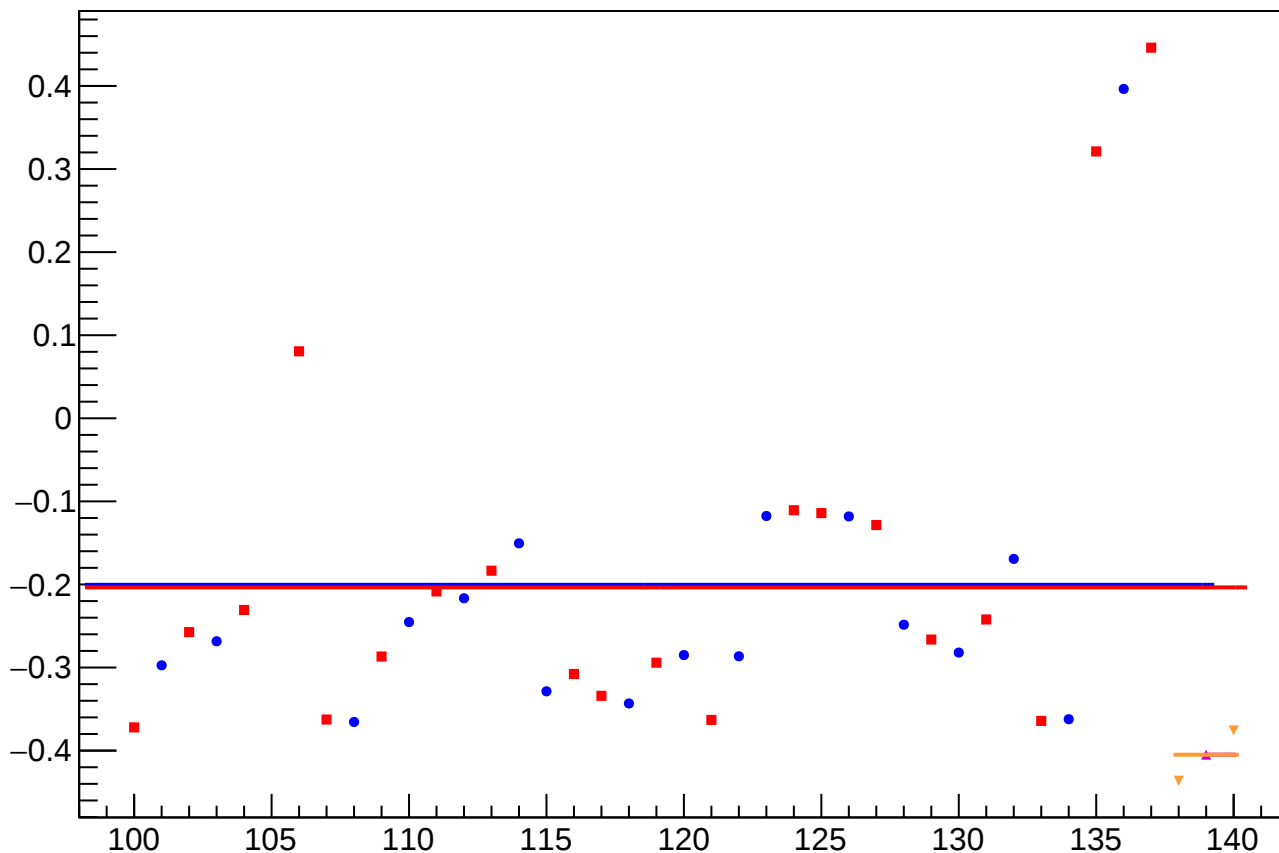
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 249463.8/18

0.005+/-0.000 χ^2/NDF : 702971.7/39

0.005+/-0.000 χ^2/NDF : 438573.5/20

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.405+/-0.000 χ^2/NDF : 55245492.2/1

-0.262+/-0.000 χ^2/NDF : 7786631316.8/18

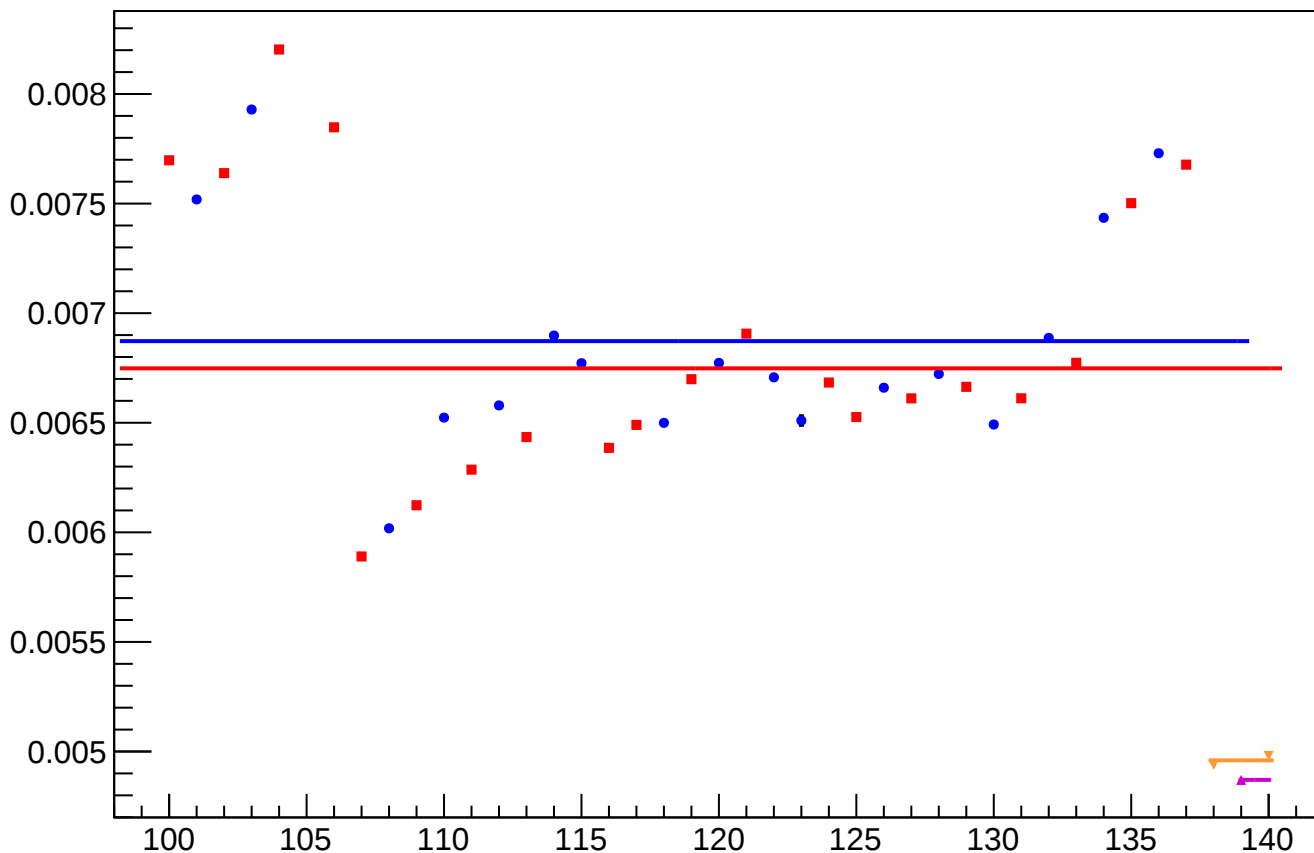
Right Out: -0.204+/-0.000 χ^2/NDF : 5045878528.0/19

-0.249+/-0.000 χ^2/NDF : 13861010914.7/3

-0.235+/-0.000 χ^2/NDF : 6003066742.7/20

Left In: -0.405+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 50.4/1

Right Out: 0.007+/-0.000 χ^2/NDF : 105262.1/19

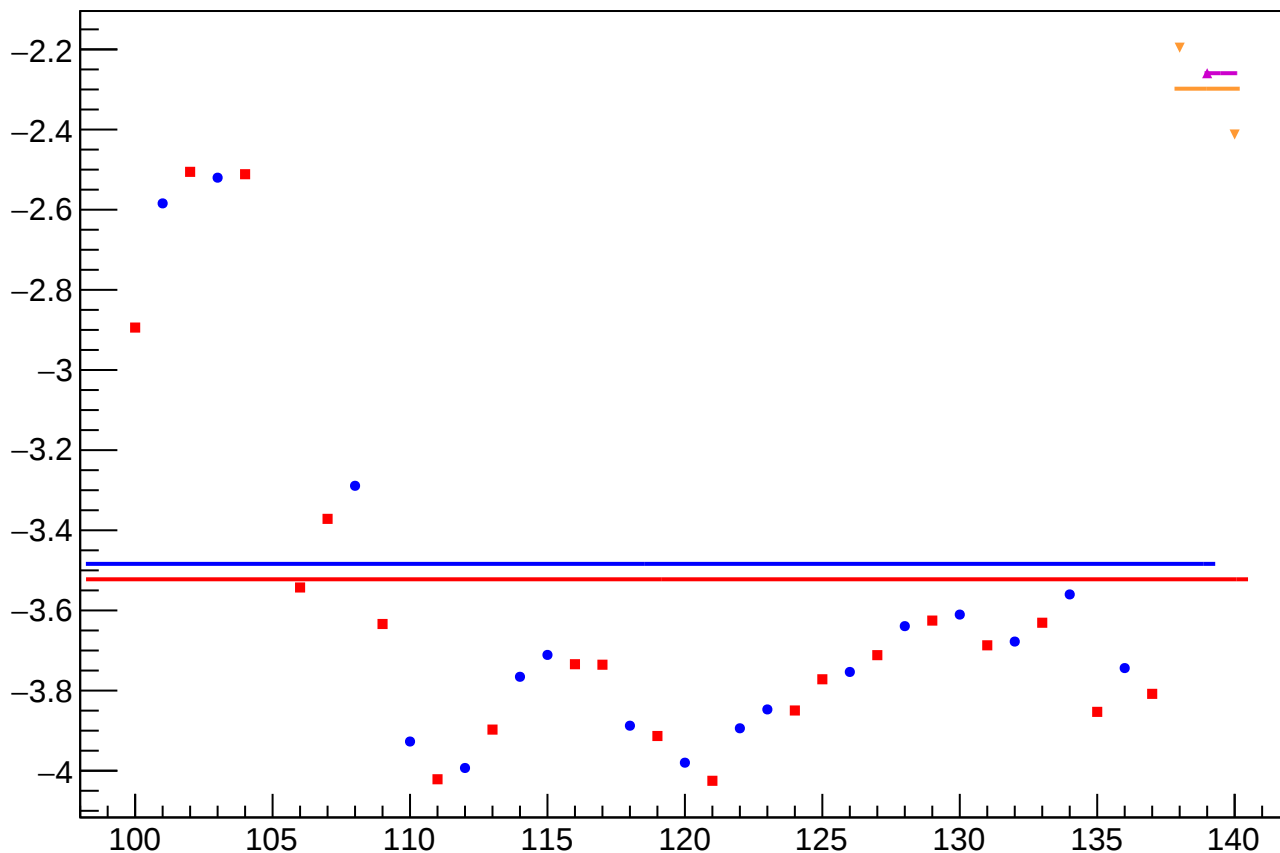
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 386269.6/18

0.006+/-0.000 χ^2/NDF : 663063.6/39

0.006+/-0.000 χ^2/NDF : 271790.3/20

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.484 ± 0.000 $\chi^2/\text{NDF}: 27174302276.9/16$

Left Out: -2.298 ± 0.000 $\chi^2/\text{NDF}: 181150964.4/1$

-3.326 ± 0.000 $\chi^2/\text{NDF}: 46218356527.5/18$

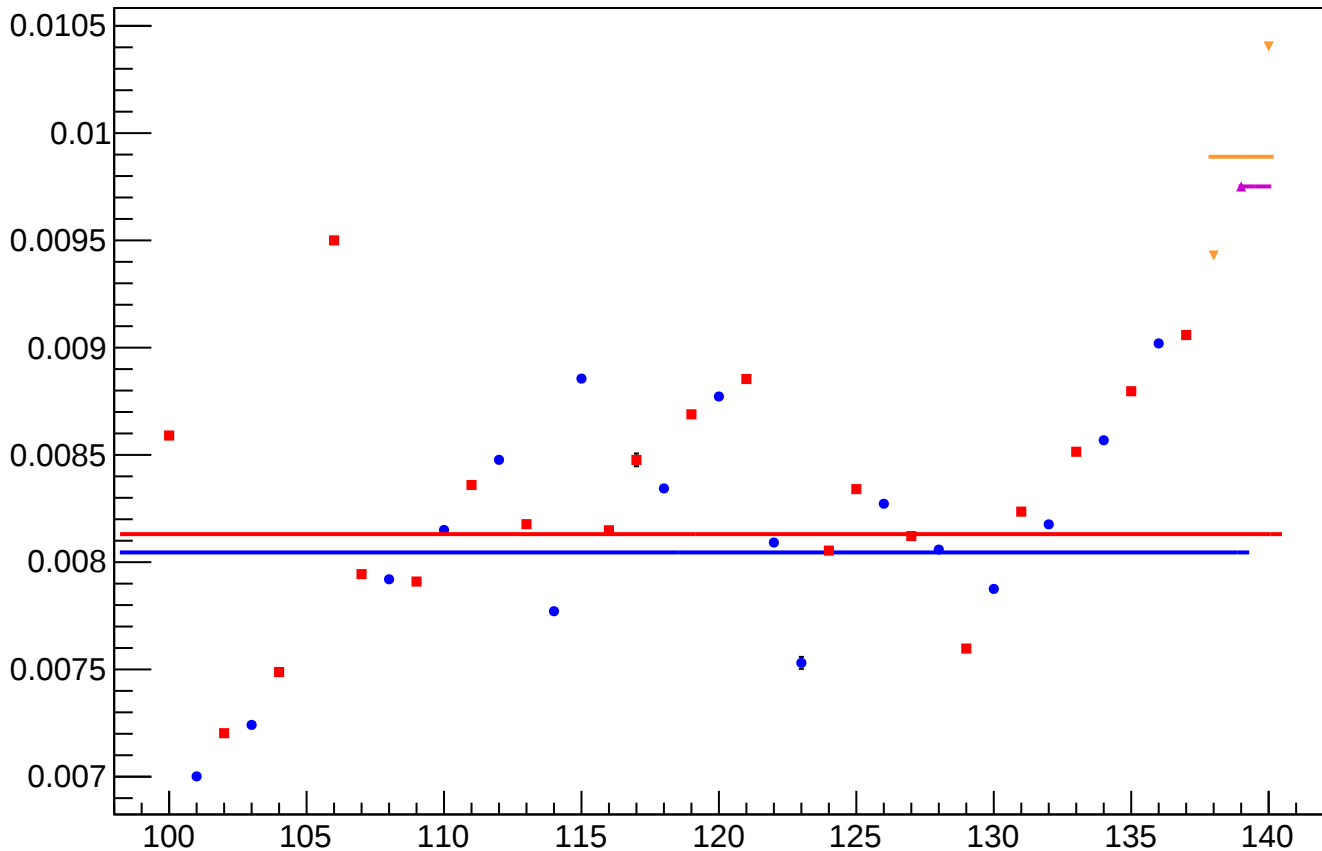
Right Out: -3.522 ± 0.000 $\chi^2/\text{NDF}: 26497611752.4/19$

-3.382 ± 0.000 $\chi^2/\text{NDF}: 84043209249.2/3$

-3.441 ± 0.000 $\chi^2/\text{NDF}: 37071027914.6/20$

Left In: -2.259 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.010+/-0.000 χ^2/NDF : 7327.9/1

Right Out: 0.008+/-0.000 χ^2/NDF : 57613.2/19

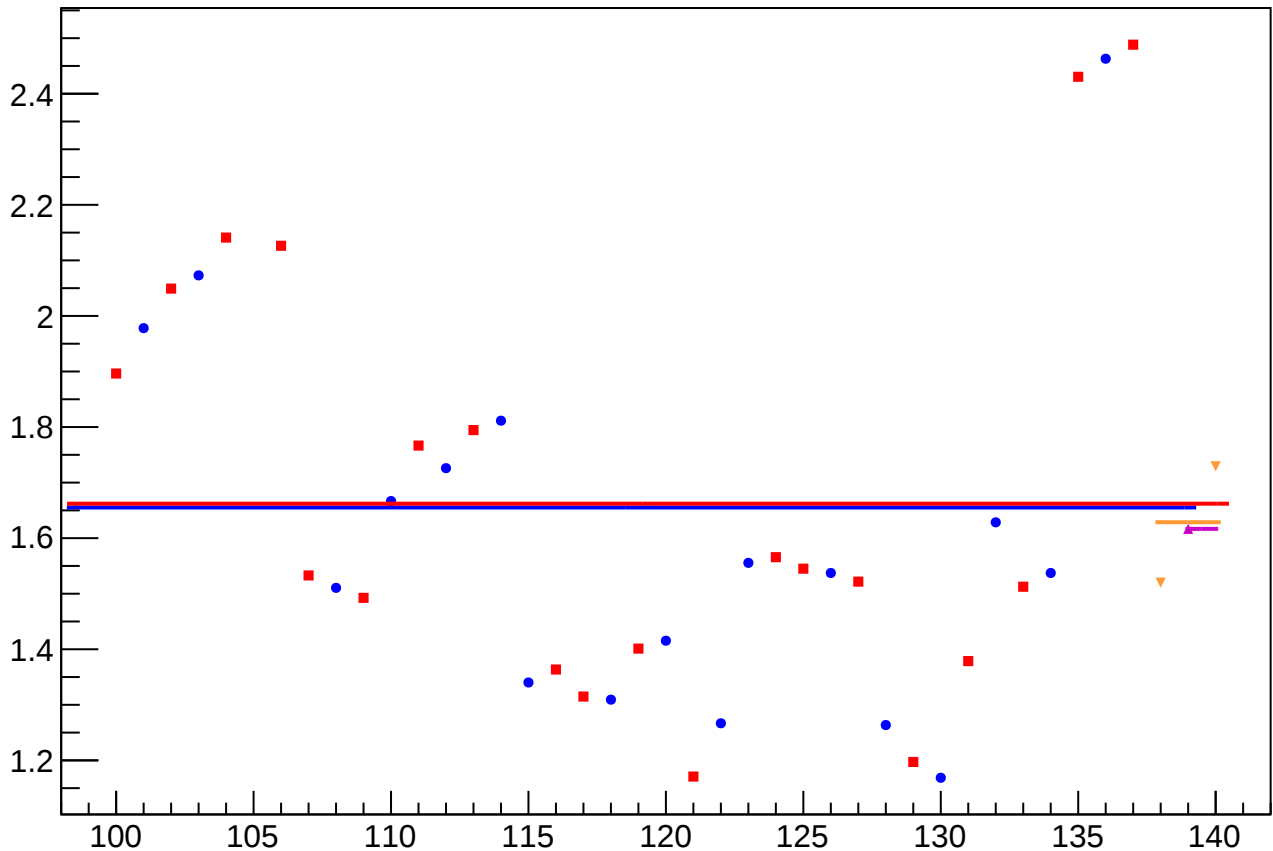
Left In: 0.010+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 170601.7/18

0.008+/-0.000 χ^2/NDF : 263408.8/39

0.008+/-0.000 χ^2/NDF : 92445.1/20

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.629+/-0.000 χ^2/NDF :140247688.8/1

Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

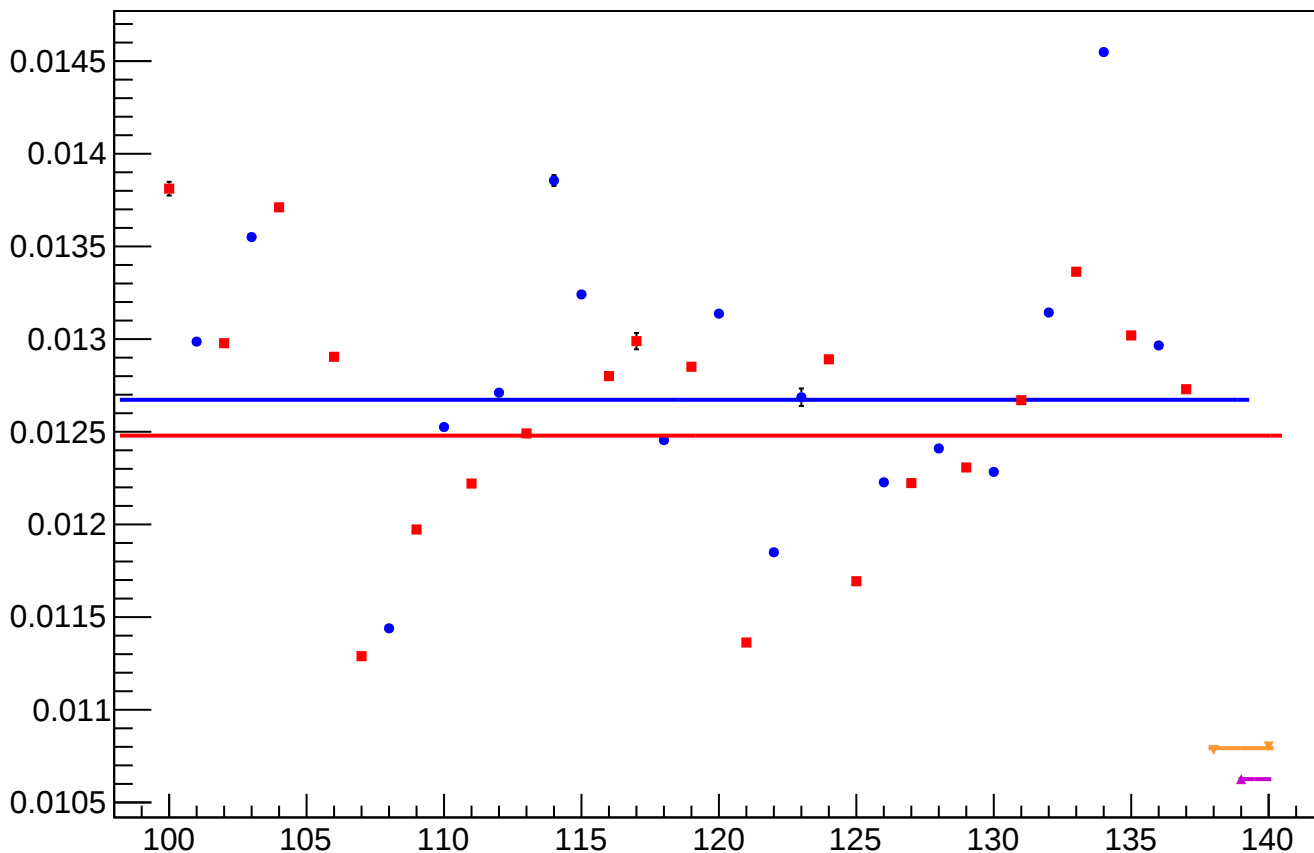
Left In: 1.617+/-0.000 χ^2/NDF :0.0/0

1.649+/-0.000 χ^2/NDF : 6623601910.6/18

1.653+/-0.000 χ^2/NDF : 12611359350.3/3

1.657+/-0.000 χ^2/NDF : 5986179504.5/20

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2.3/1

Right Out: 0.012+/-0.000 χ^2/NDF : 39268.9/19

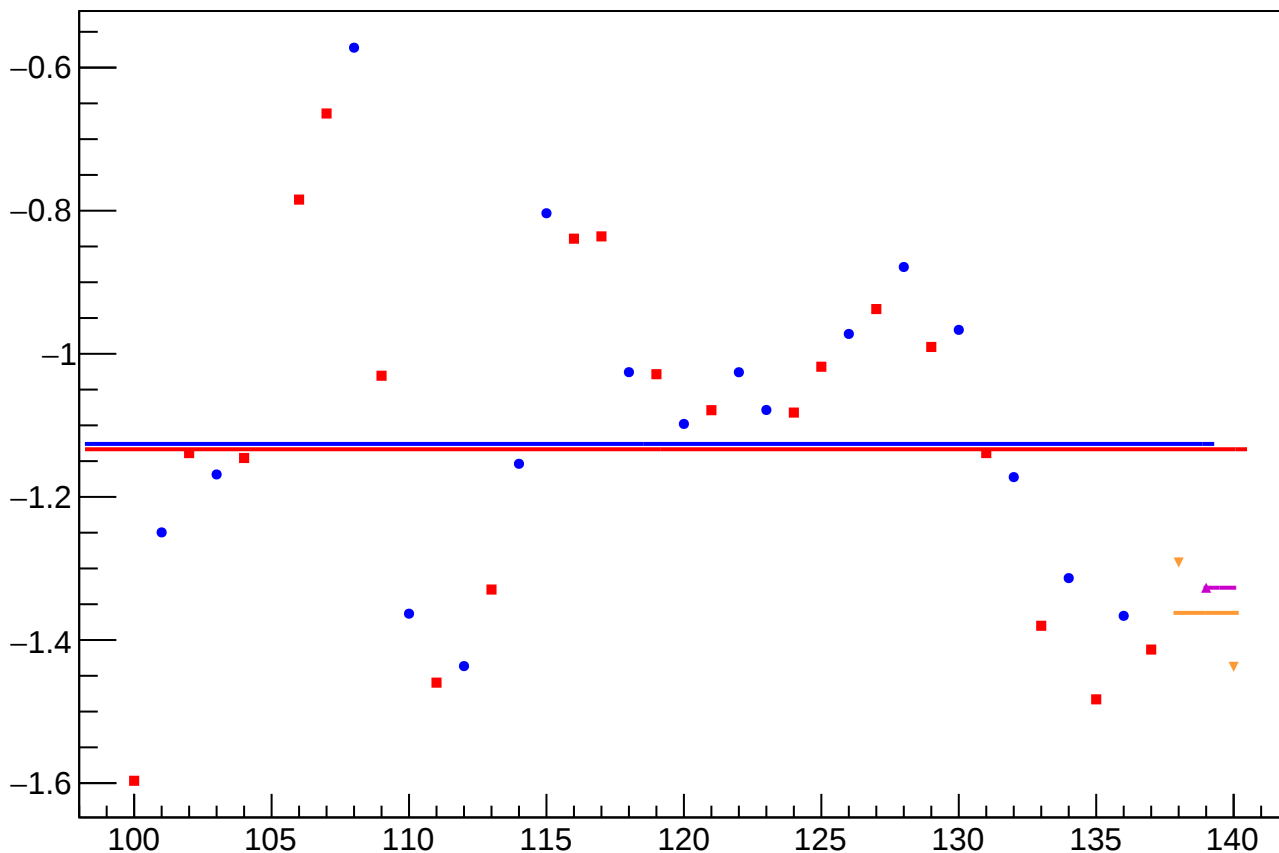
Left In: 0.011+/-0.000 χ^2/NDF : 0.0/0

0.012+/-0.000 χ^2/NDF : 100659.1/18

0.012+/-0.000 χ^2/NDF : 176127.5/39

0.012+/-0.000 χ^2/NDF : 75400.9/20

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.362+/-0.000 χ^2/NDF :124564927.8/1

Right Out: -1.133+/-0.000 χ^2/NDF : 3706528266.7/19

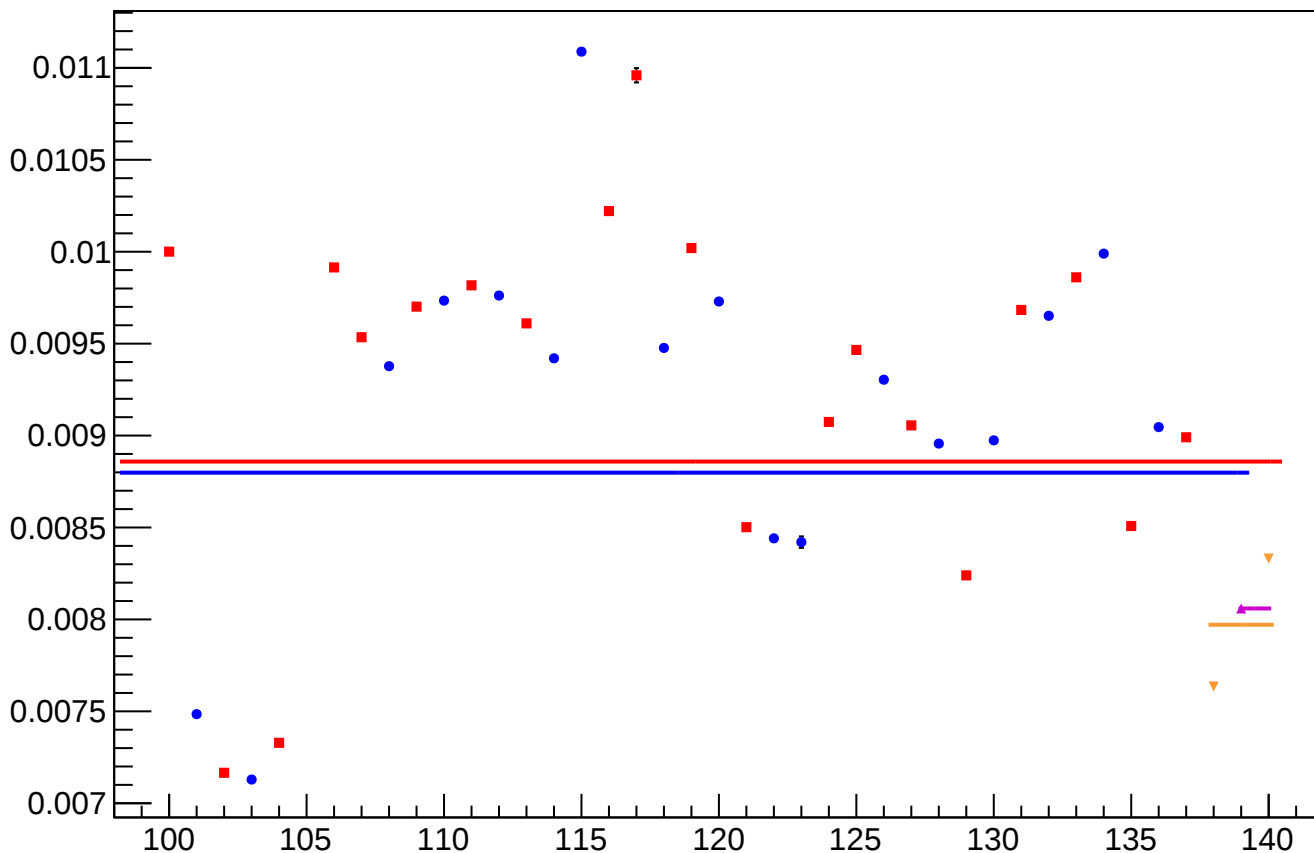
Left In: -1.327+/-0.000 χ^2/NDF :0.0/0

-1.178+/-0.000 χ^2/NDF : 4717203560.8/18

-1.167+/-0.000 χ^2/NDF : 8795432769.6/39

-1.154+/-0.000 χ^2/NDF : 4049399721.8/20

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 5671.6/1

Right Out: 0.009+/-0.000 χ^2/NDF : 176858.0/19

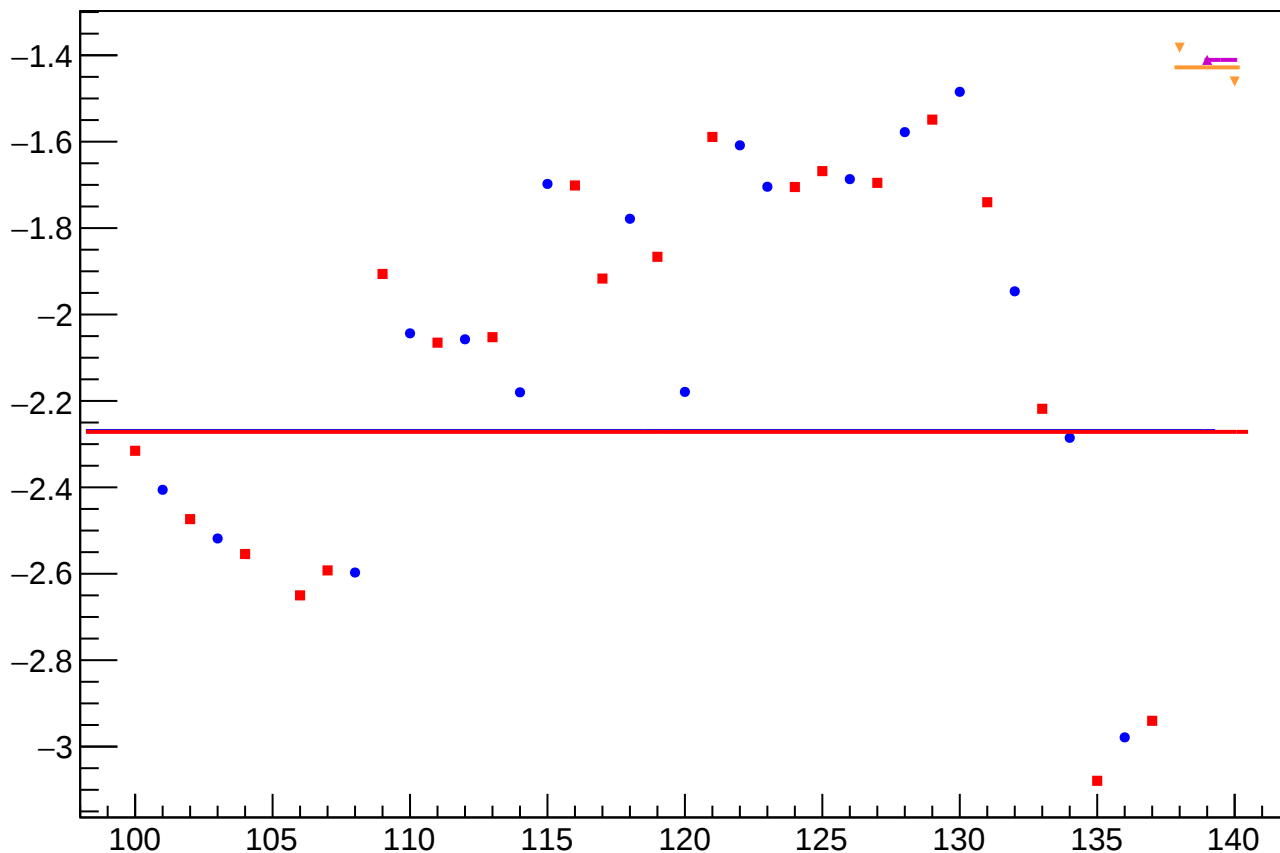
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 182247.3/18

0.009+/-0.000 χ^2/NDF : 373276.7/39

0.009+/-0.000 χ^2/NDF : 188547.7/20

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.428+/-0.000 χ^2/NDF : 33051752.7/1

Right Out: -2.272+/-0.000 χ^2/NDF : 19012236430.2/19

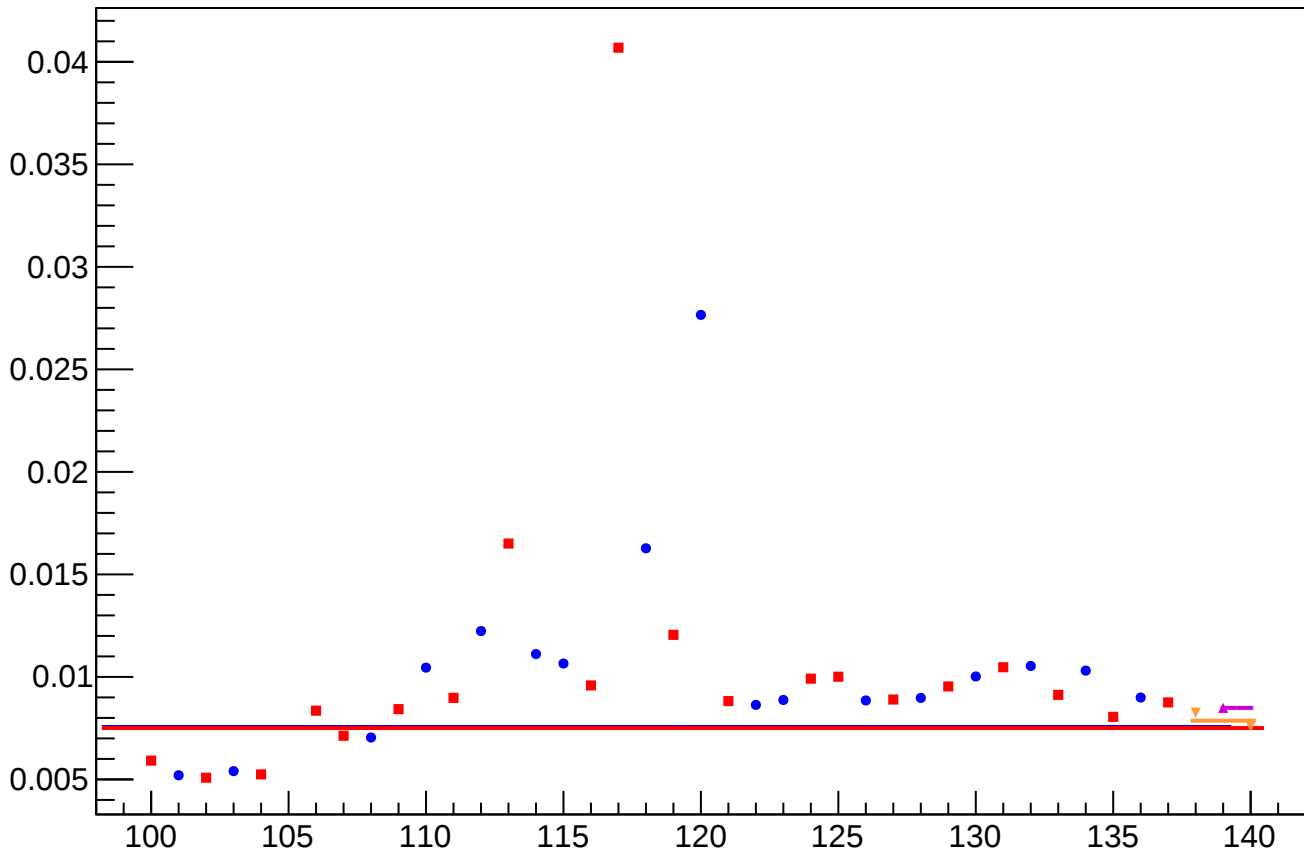
Left In: -1.411+/-0.000 χ^2/NDF : 0.0/0

-2.100+/-0.000 χ^2/NDF : 30014291334.4/18

-2.151+/-0.000 χ^2/NDF : 55576948481.2/3

-2.202+/-0.000 χ^2/NDF : 24998310245.6/20

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 4894.9/1

Right Out: 0.008+/-0.000 χ^2/NDF : 984811.6/19

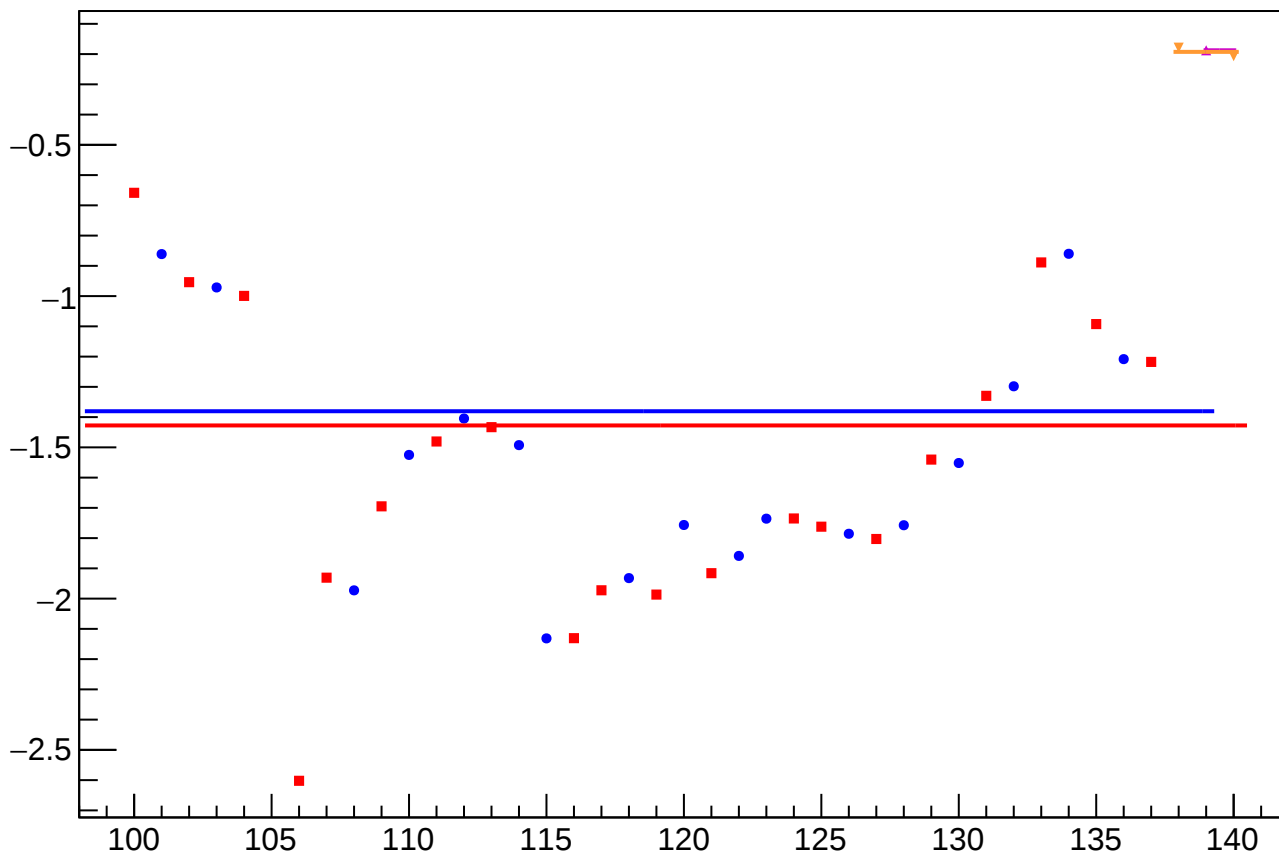
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 1229250.8/18

0.008+/-0.000 χ^2/NDF : 2229832.4/39

0.008+/-0.000 χ^2/NDF : 1000454.1/20

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.193+/-0.000 χ^2/NDF : 16285739.0/1

-0.919+/-0.000 χ^2/NDF : 91195179391.4/18

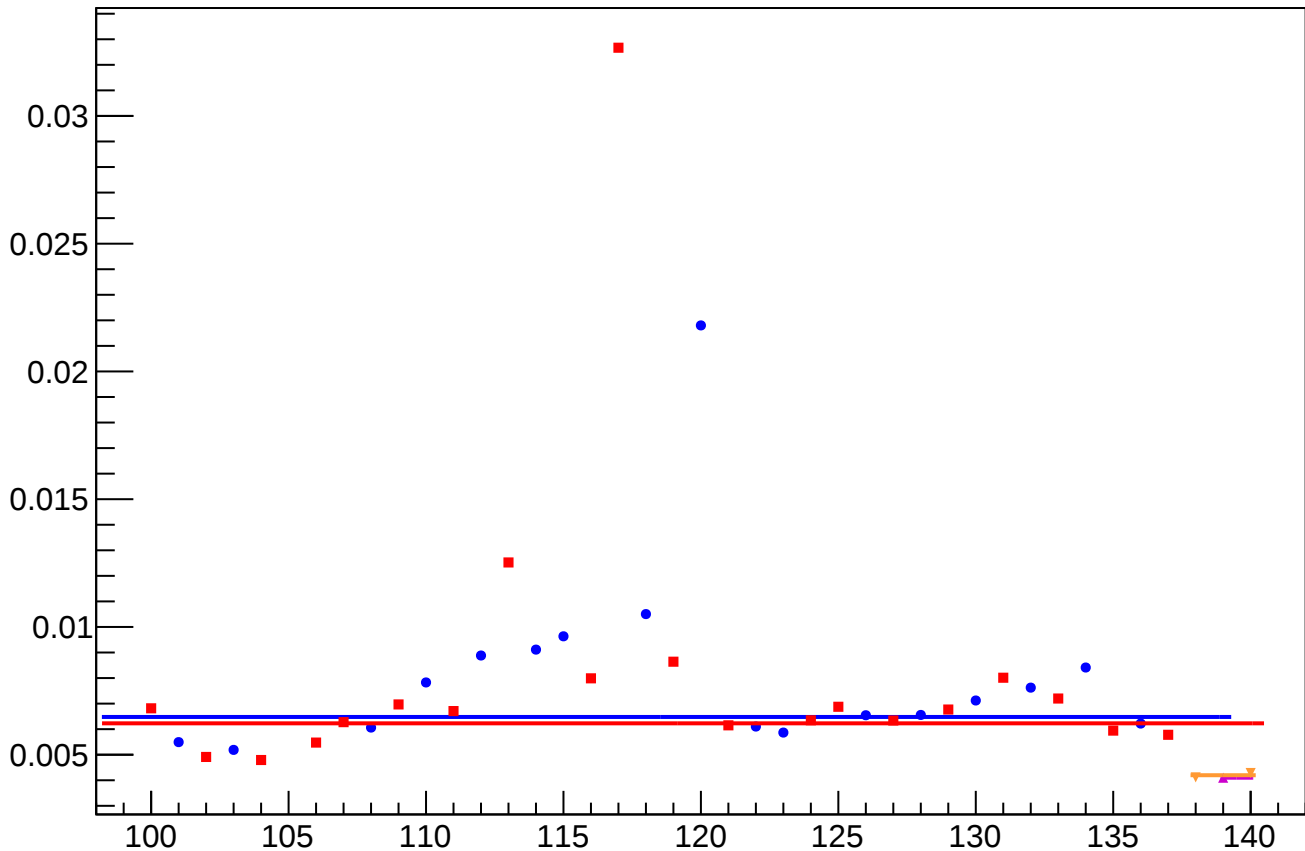
Right Out: -1.428+/-0.000 χ^2/NDF : 29626603581.6/19

-1.041+/-0.000 χ^2/NDF : 174770153793.4

-1.177+/-0.000 χ^2/NDF : 76914053472.9/20

Left In: -0.187+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 1211.7/1

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 472534.6/19

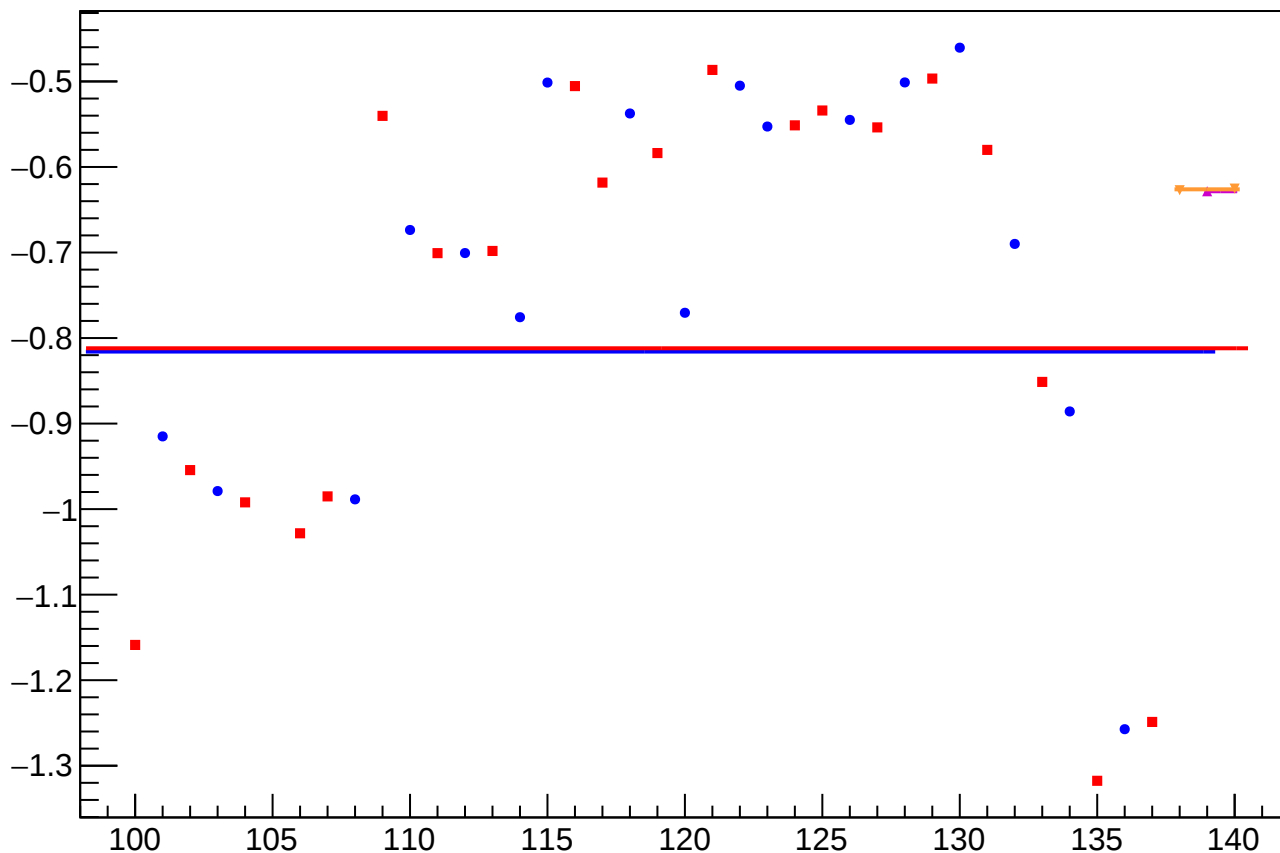
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.006 $\pm$ 0.000 χ^2/NDF : 1098408.0/18

0.006 $\pm$ 0.000 χ^2/NDF : 1857939.2/39

0.006 $\pm$ 0.000 χ^2/NDF : 751030.2/20

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.626+/-0.000 χ^2/NDF : 42874.5/1

Right Out: -0.812+/-0.000 χ^2/NDF : 16818378599.3/19

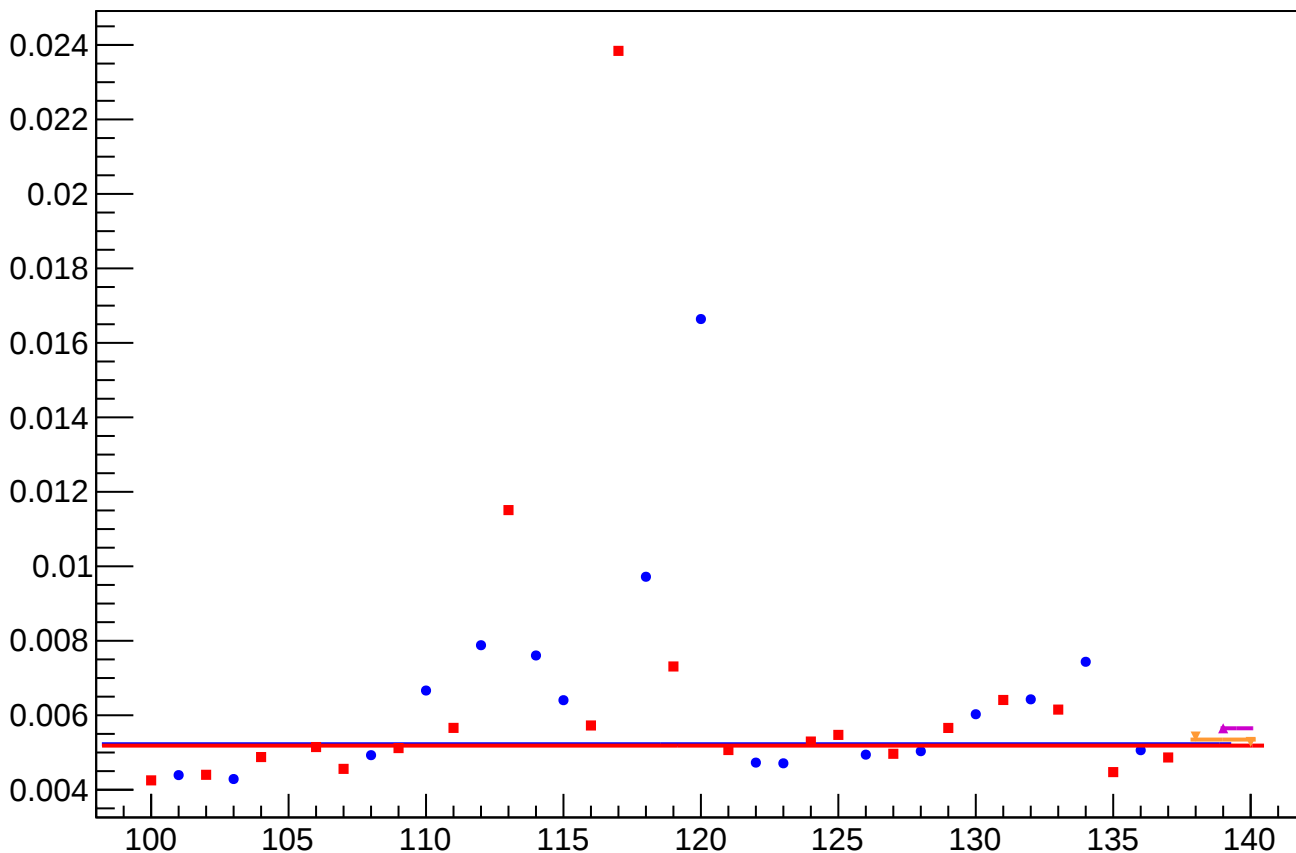
Left In: -0.628+/-0.000 χ^2/NDF : 0.0/0

-0.779+/-0.000 χ^2/NDF : 15558495203.5/18

-0.788+/-0.000 χ^2/NDF : 33025490788.3/3

-0.797+/-0.000 χ^2/NDF : 17425433542.0/20

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.005+/-0.000 χ^2/NDF :497.3/1

Right Out: 0.005+/-0.000 χ^2/NDF : 410640.5/19

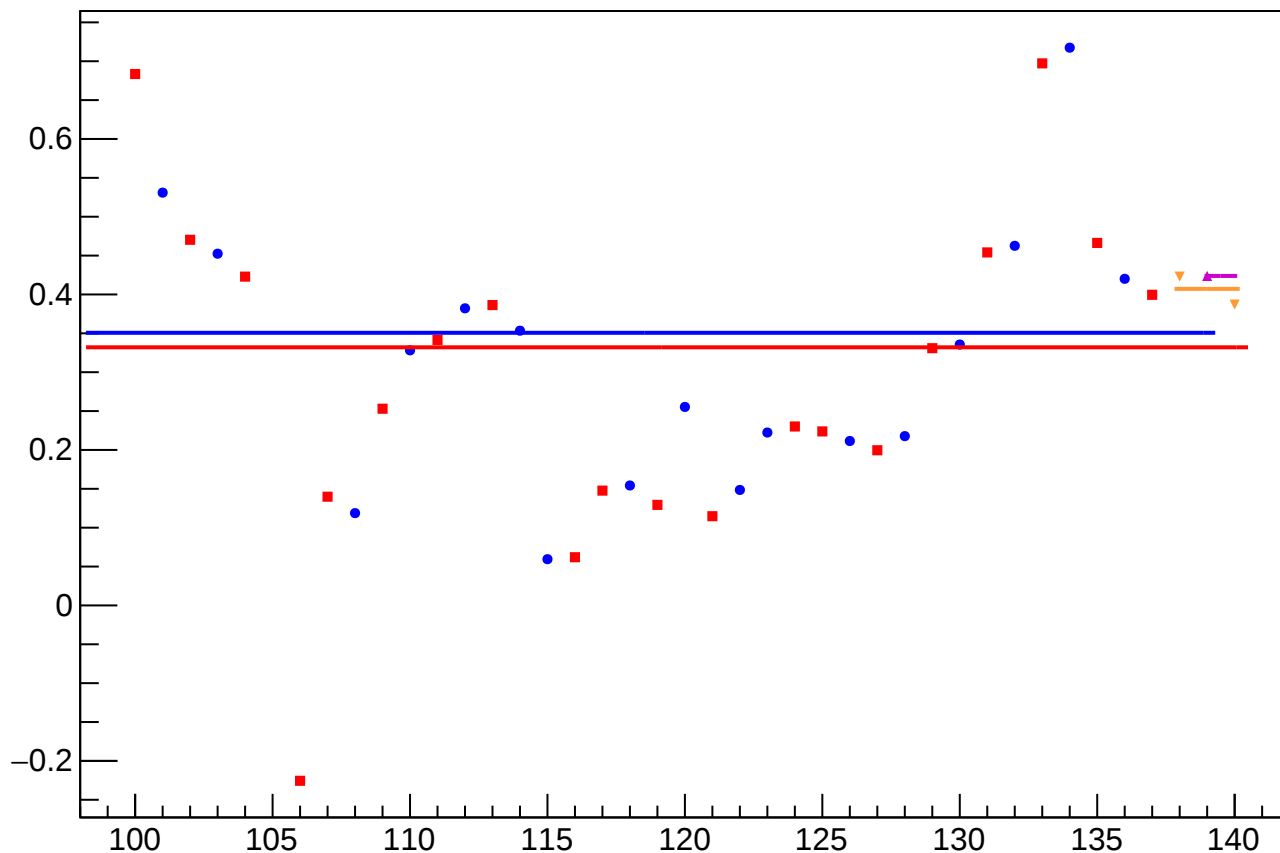
Left In: 0.006+/-0.000 χ^2/NDF :0.0/0

0.005+/-0.000 χ^2/NDF : 666107.4/18

0.005+/-0.000 χ^2/NDF : 1084665.4/39

0.005+/-0.000 χ^2/NDF : 418428.0/20

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7410859446.3/16

Left Out: 0.407 $\pm$ 0.000 χ^2 /NDF: 28453543.7/1

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11800695210.2/19

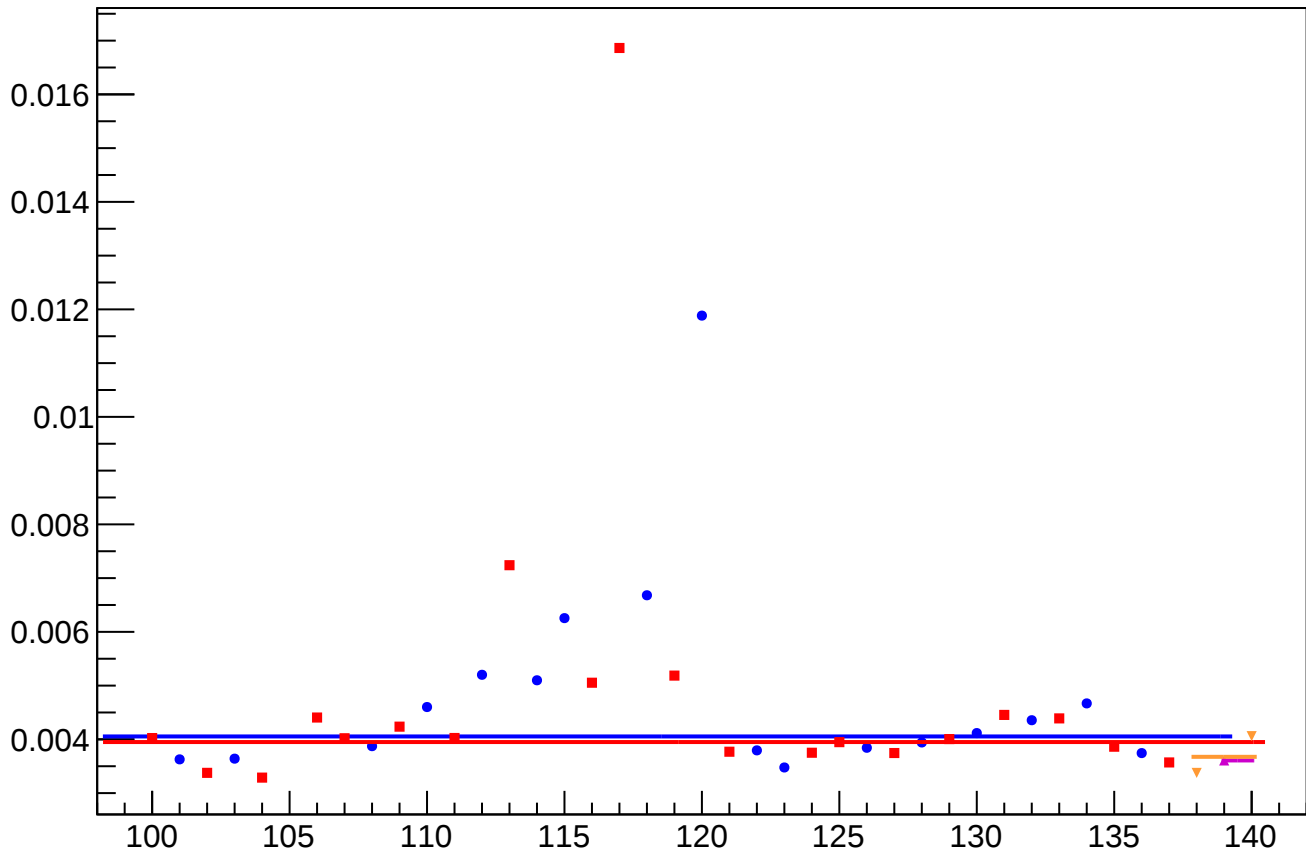
Left In: 0.424 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.362 $\pm$ 0.000 χ^2 /NDF: 7665584868.3/18

0.352 $\pm$ 0.000 χ^2 /NDF: 19881516714.6/3

0.341 $\pm$ 0.000 χ^2 /NDF: 12115163778.8/20

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 455318.3/16

Left Out: 0.004+/-0.000 χ^2/NDF : 20499.5/1

Right Out: 0.004+/-0.000 χ^2/NDF : 304954.7/19

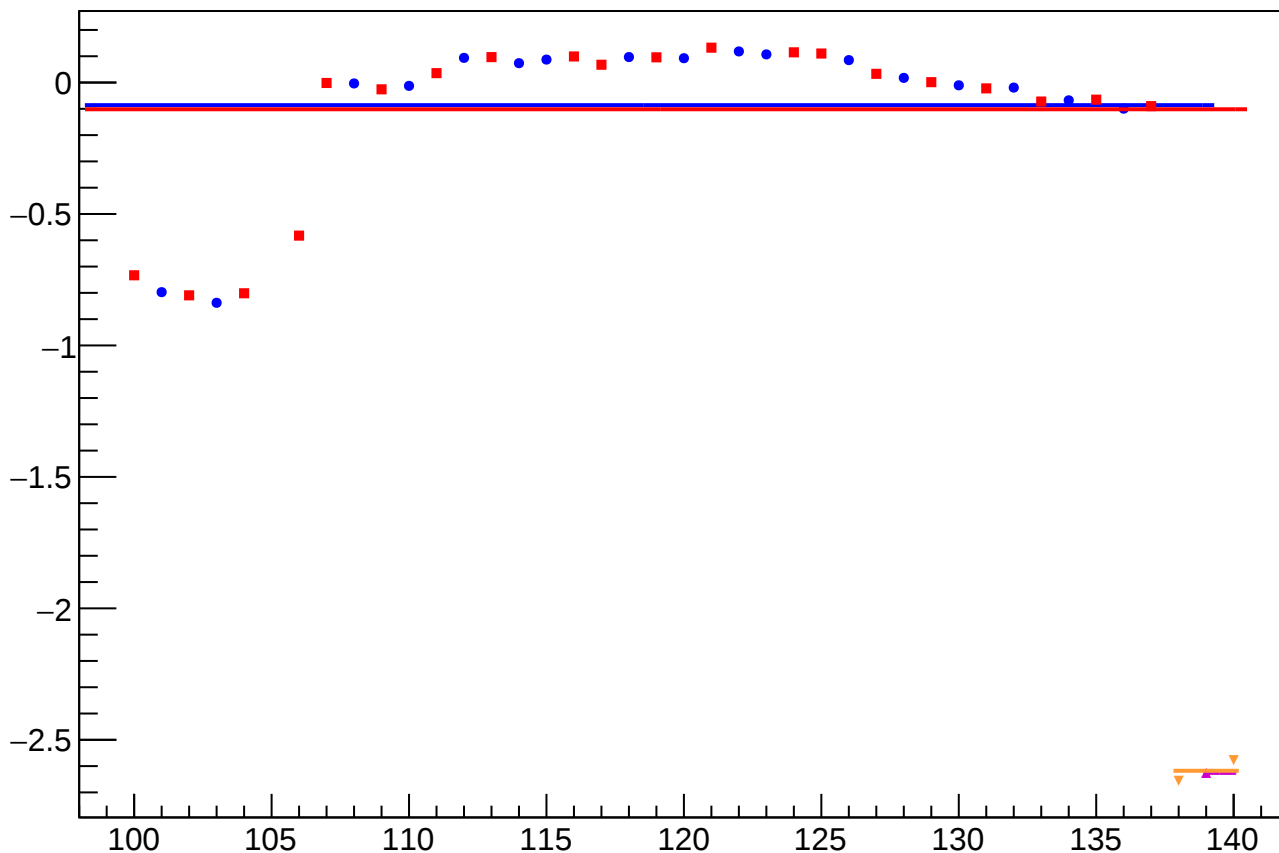
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 496196.2/18

0.004+/-0.000 χ^2/NDF : 811421.0/39

0.004+/-0.000 χ^2/NDF : 313698.0/20

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.618+/-0.000 χ^2/NDF : 12924099.5/1

Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

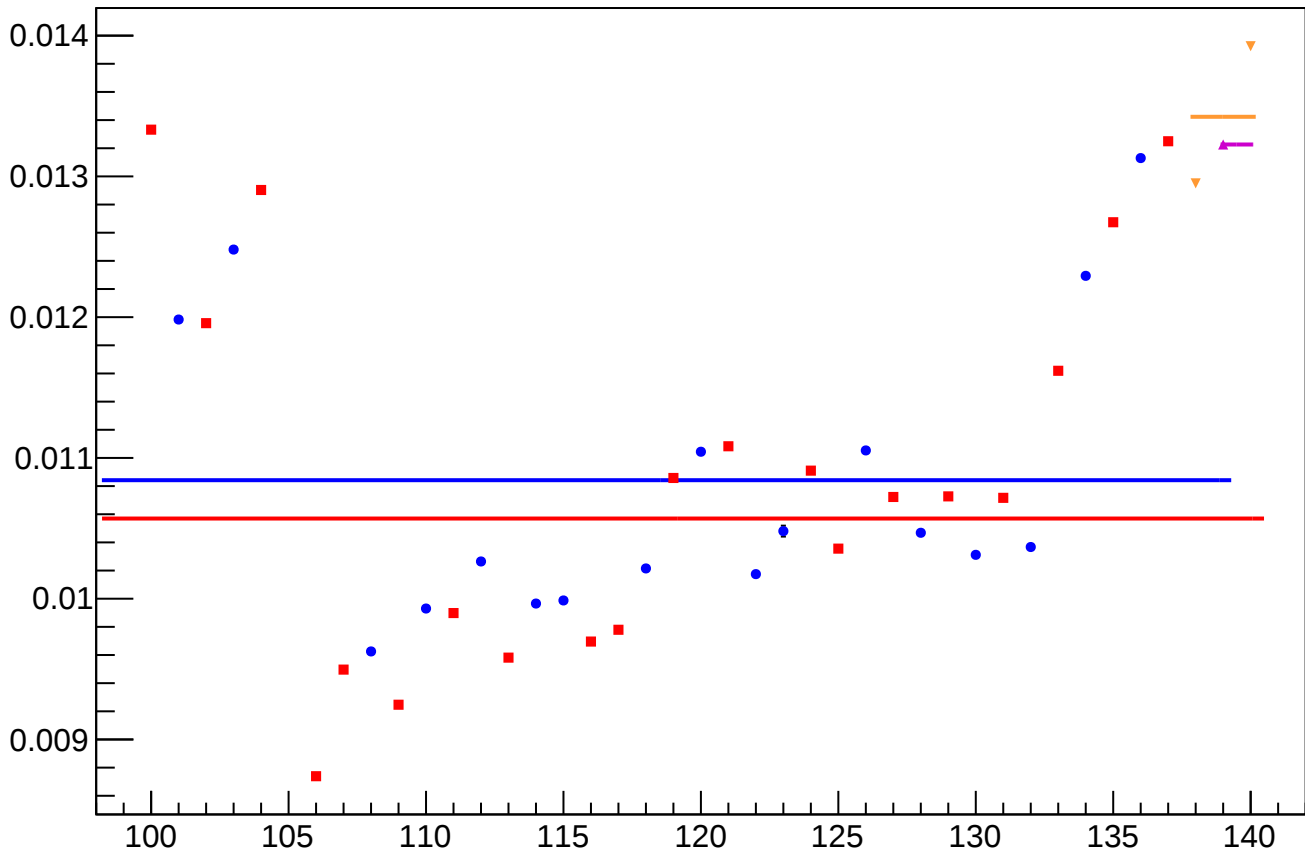
Left In: -2.626+/-0.000 χ^2/NDF : 0.0/0

-0.414+/-0.000 χ^2/NDF : 51835253221.7/18

-0.329+/-0.000 χ^2/NDF : 81578624805.3/3

-0.248+/-0.000 χ^2/NDF : 28835205126.8/20

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.013+/-0.000 χ^2/NDF : 3979.2/1

Right Out: 0.011+/-0.000 χ^2/NDF : 179537.7/19

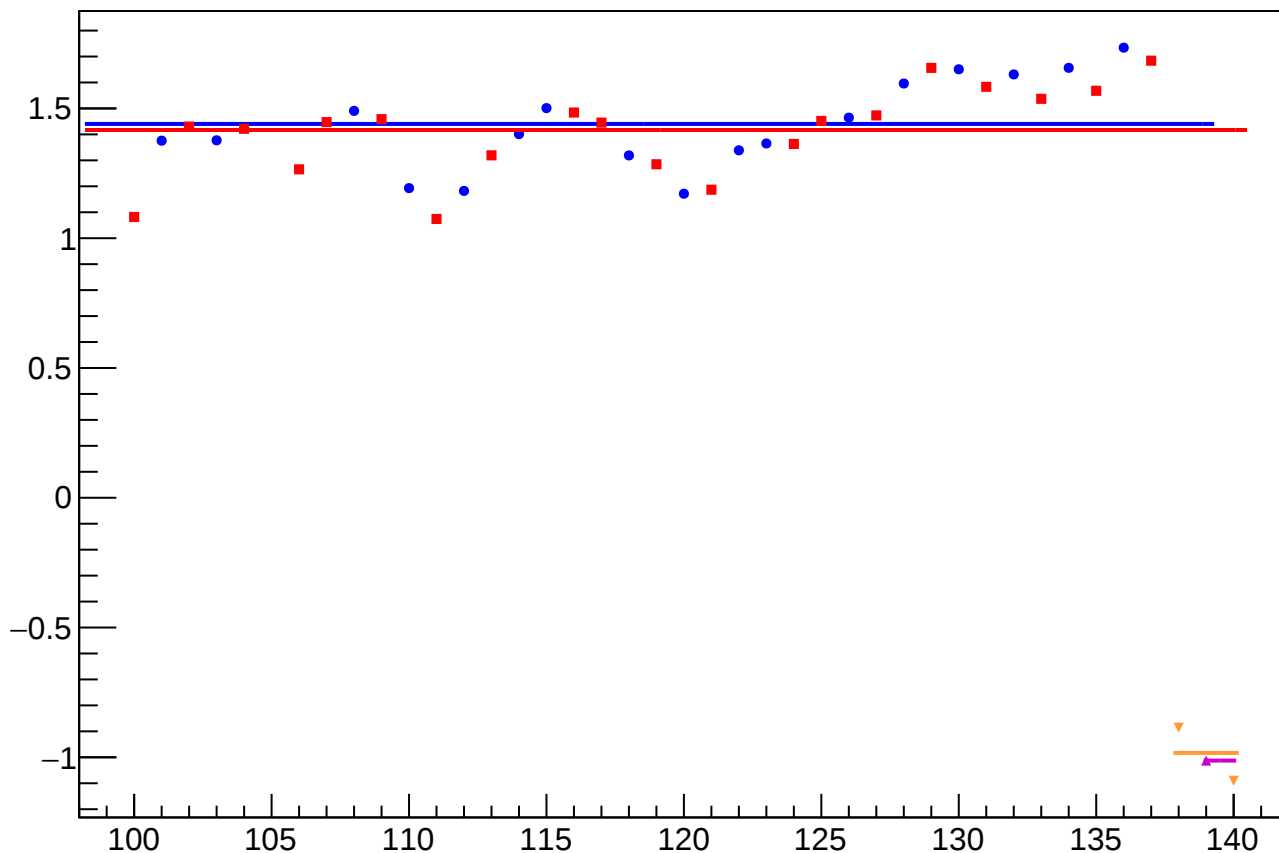
Left In: 0.013+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 225634.3/18

0.011+/-0.000 χ^2/NDF : 470259.7/39

0.011+/-0.000 χ^2/NDF : 231110.2/20

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440+/-0.000 χ^2/NDF : 3449252780.8/16

Left Out: -0.983+/-0.000 χ^2/NDF : 152807227.6/1

Right Out: 1.417+/-0.000 χ^2/NDF : 2674679406.4/19

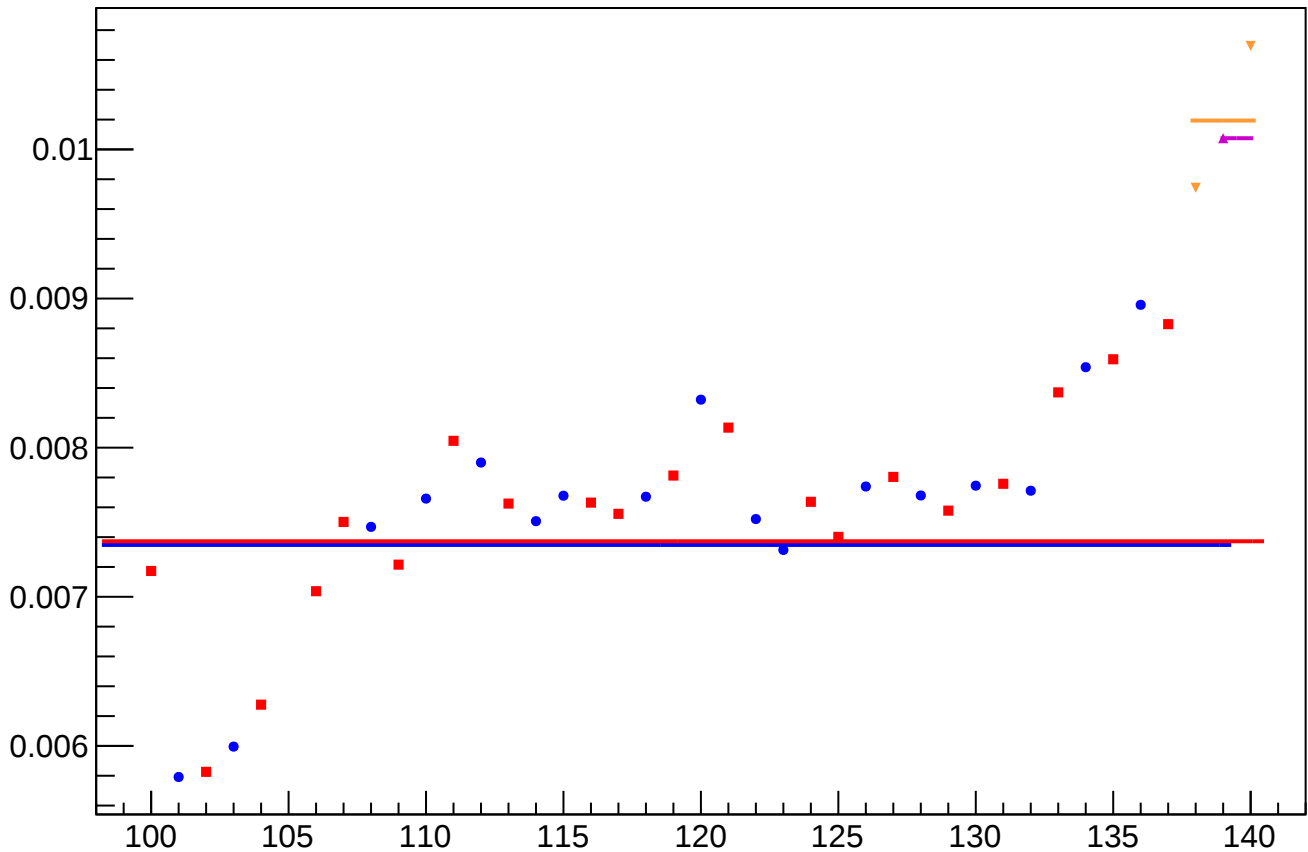
Left In: -1.013+/-0.000 χ^2/NDF : 0.0/0

1.181+/-0.000 χ^2/NDF : 80419620208.9/18

1.239+/-0.000 χ^2/NDF : 121597817460.9/1

1.298+/-0.000 χ^2/NDF : 40237338426.7/20

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 228163.6/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 6608.7/1

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 172741.0/19

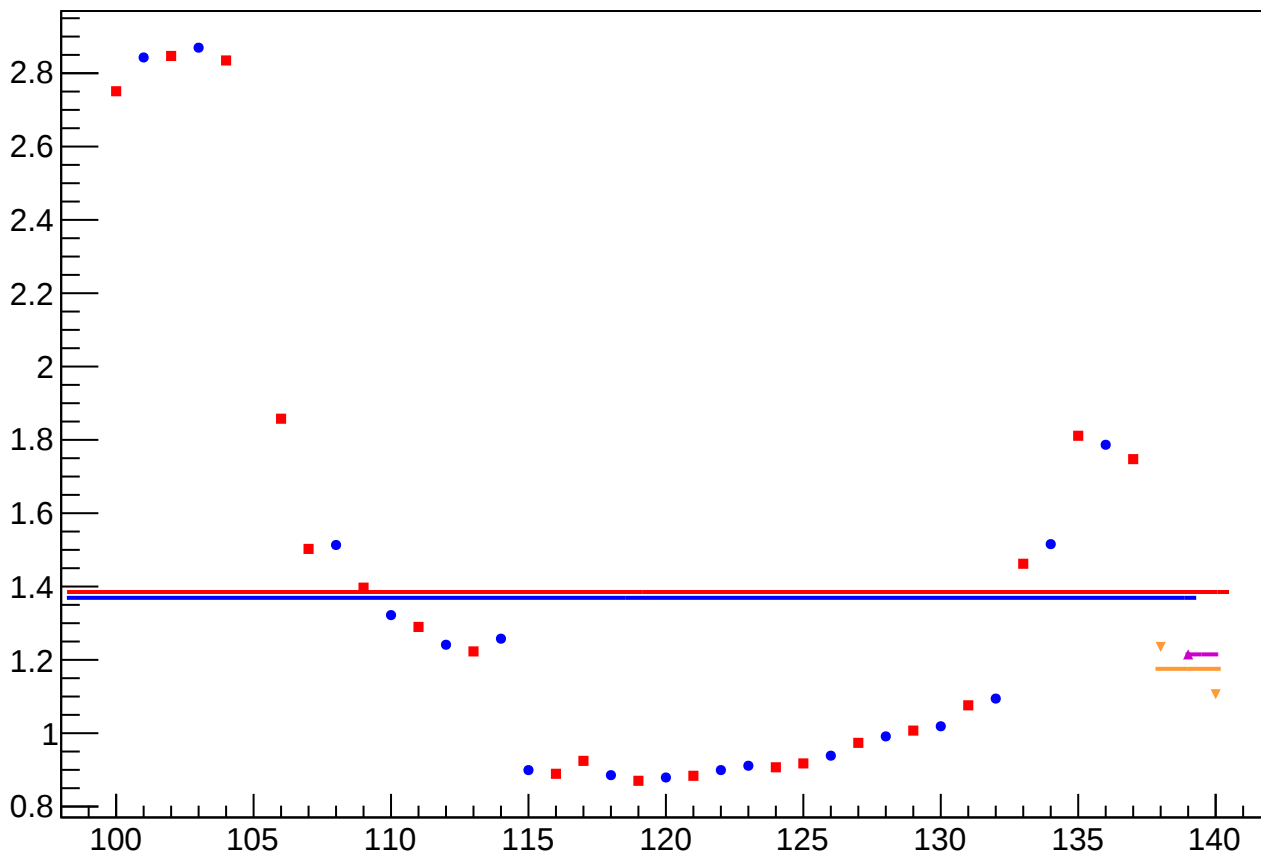
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.008 $\pm$ 0.000 χ^2 /NDF: 446677.6/18

0.008 $\pm$ 0.000 χ^2 /NDF: 715396.9/39

0.008 $\pm$ 0.000 χ^2 /NDF: 265719.8/20

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.176+/-0.000 χ^2/NDF : 101455260.1/1

Right Out: 1.385+/-0.000 χ^2/NDF : 50114562617.6/19

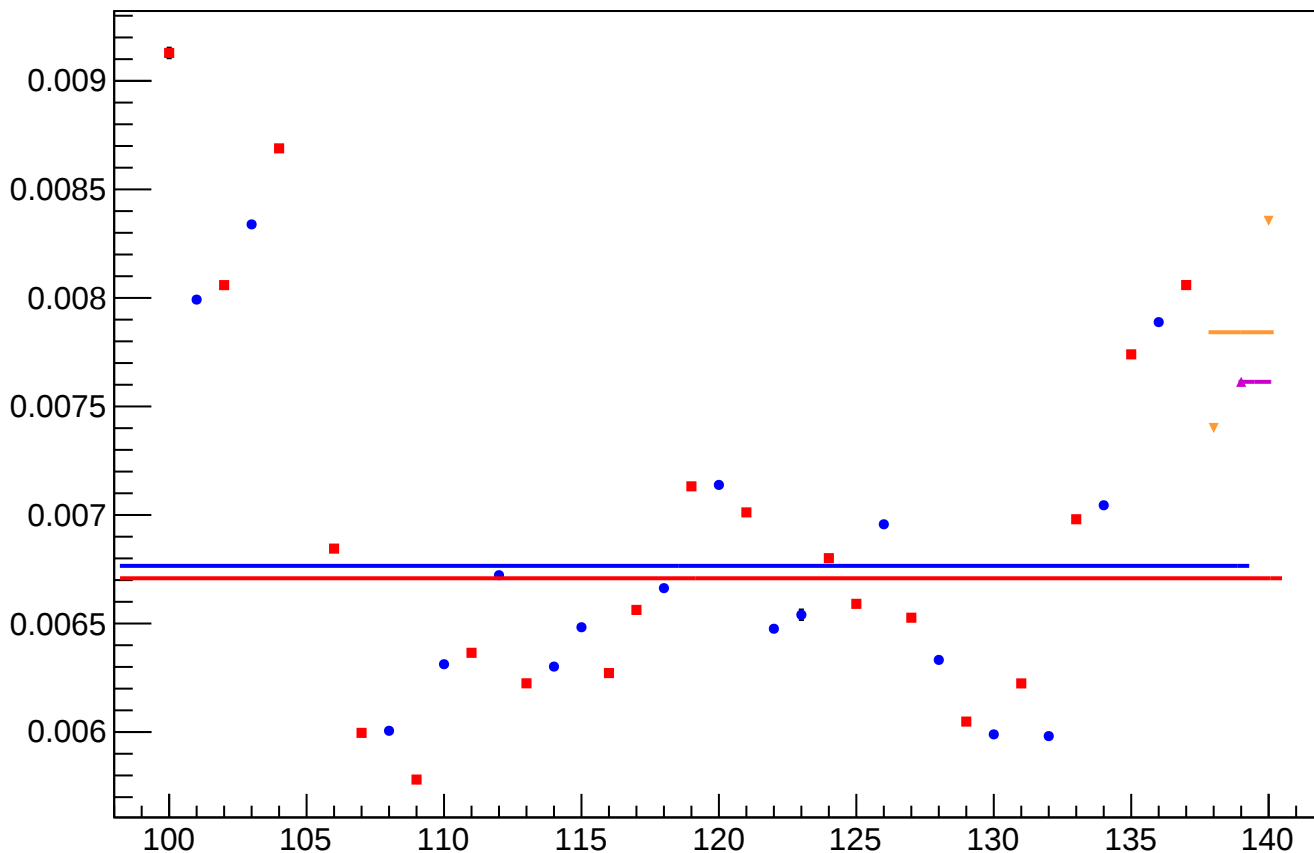
Left In: 1.215+/-0.000 χ^2/NDF : 0.0/0

1.341+/-0.000 χ^2/NDF : 55092787392.4/18

1.357+/-0.000 χ^2/NDF : 105608765390.3/18

1.373+/-0.000 χ^2/NDF : 50428708197.2/20

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 11110.4/1

Right Out: 0.007+/-0.000 χ^2/NDF : 187869.7/19

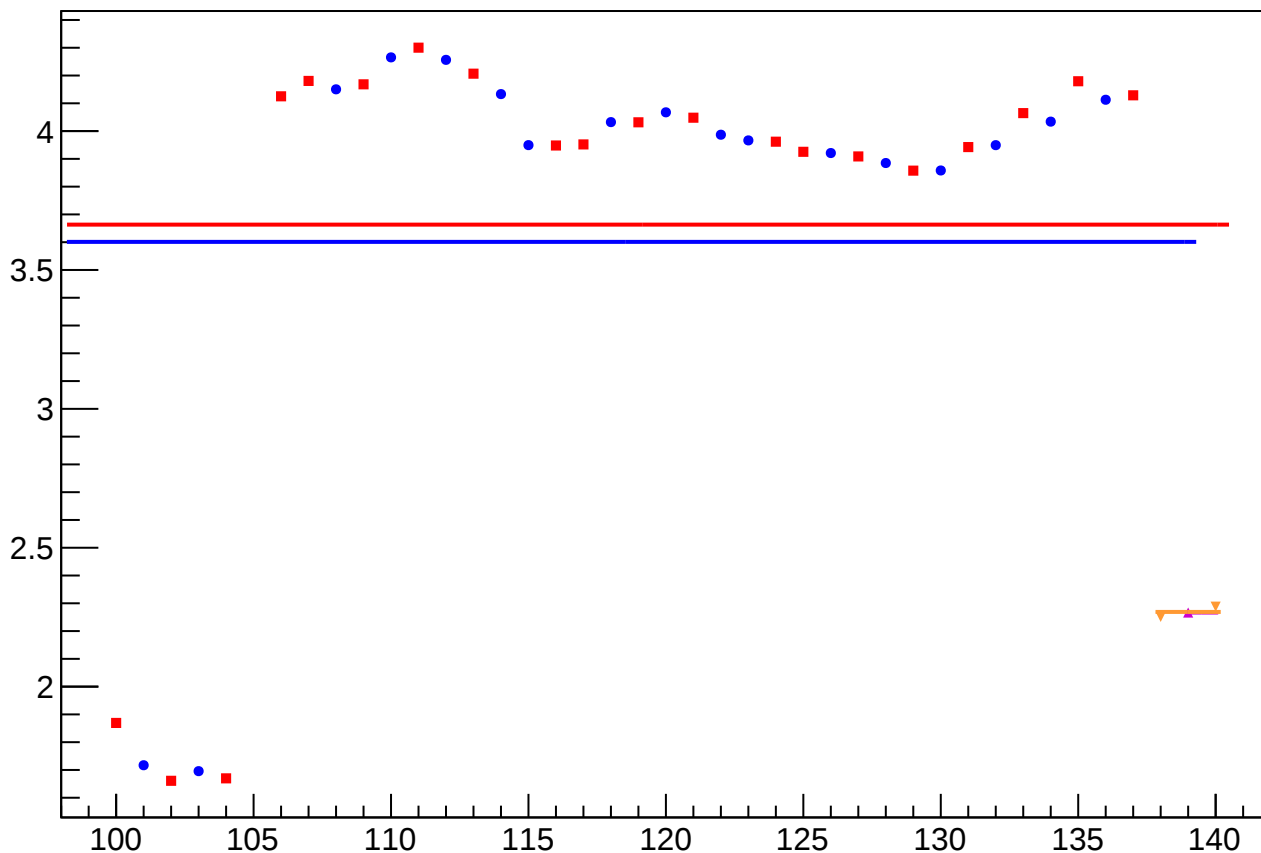
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 219238.6/18

0.007+/-0.000 χ^2/NDF : 428715.5/39

0.007+/-0.000 χ^2/NDF : 205650.7/20

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 2.269+/-0.000 χ^2/NDF : 10172629.8/1

Right Out: 3.663+/-0.000 χ^2/NDF : 192640409625.9/19

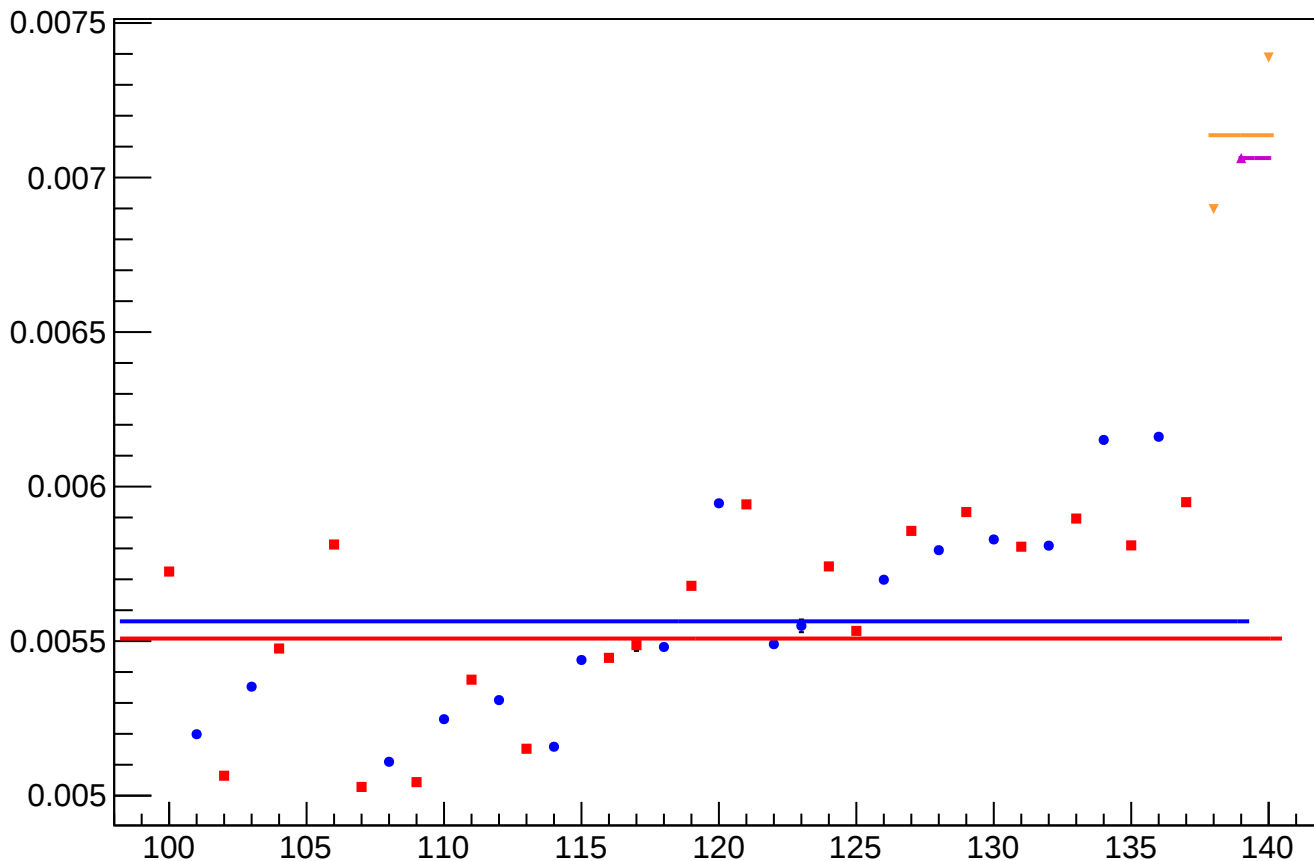
Left In: 2.267+/-0.000 χ^2/NDF : 0.0/0

3.440+/-0.000 χ^2/NDF : 232120365361.8/18

3.513+/-0.000 χ^2/NDF : 452349775959.5/19

3.586+/-0.000 χ^2/NDF : 217637428924.9/20

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.007+/-0.000 χ^2/NDF : 3571.1/1

Right Out: 0.006+/-0.000 χ^2/NDF : 52636.1/19

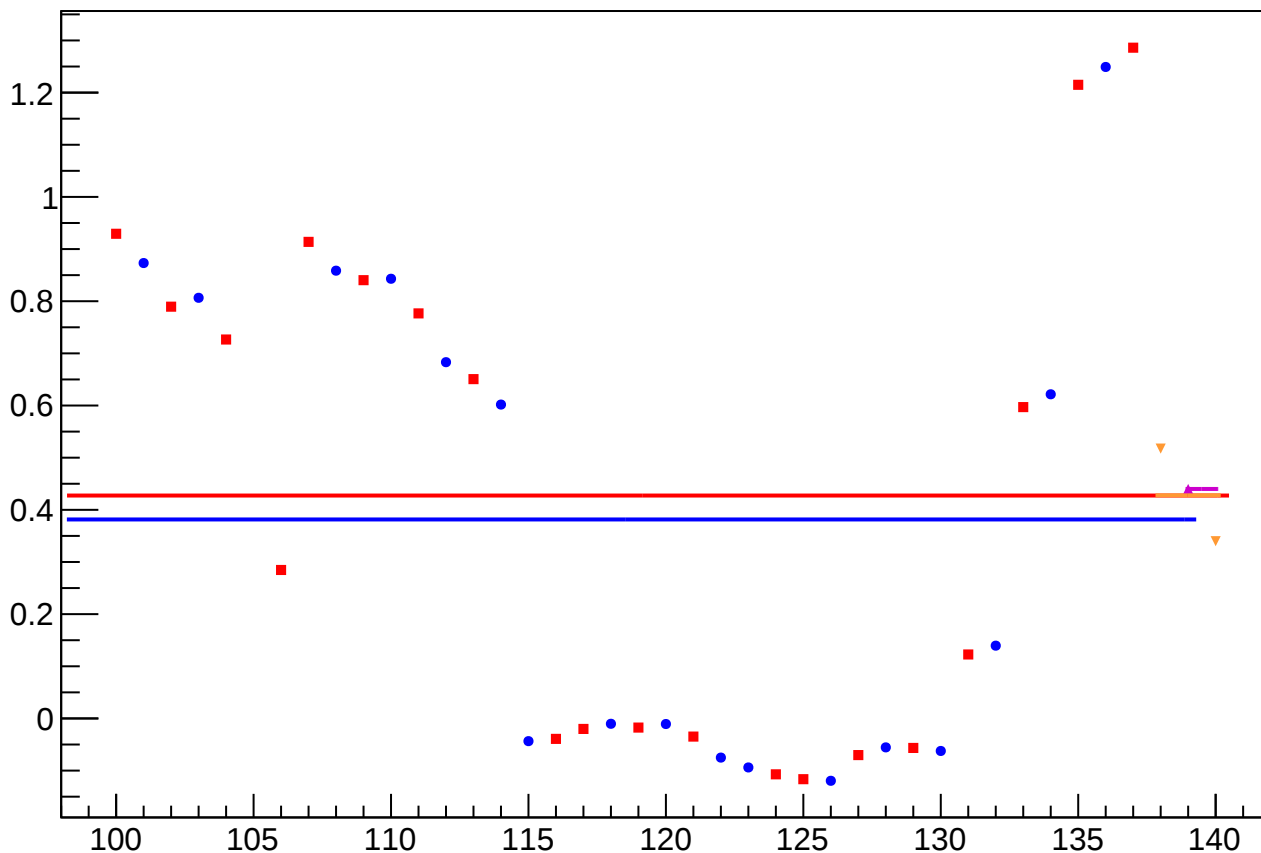
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 180258.9/18

0.006+/-0.000 χ^2/NDF : 301068.9/39

0.006+/-0.000 χ^2/NDF : 114589.0/20

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 0.428+/-0.000 χ^2/NDF : 46405781.1/1

Right Out: 0.427+/-0.000 χ^2/NDF : 6716521382.4/19

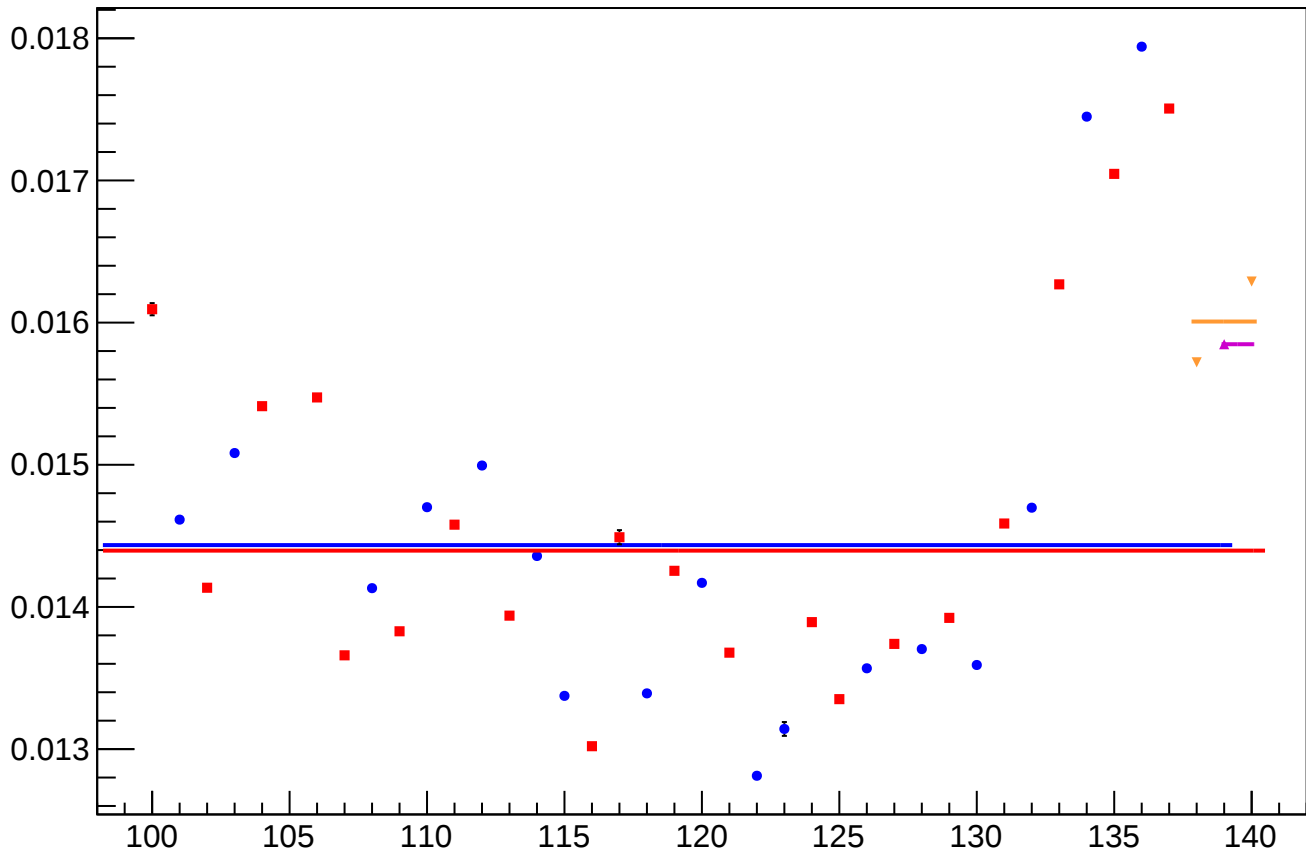
Left In: 0.440+/-0.000 χ^2/NDF : 0.0/0

0.389+/-0.000 χ^2/NDF : 7181784880.7/18

0.408+/-0.000 χ^2/NDF : 13927699785.2/3

0.428+/-0.000 χ^2/NDF : 6716918793.1/20

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.016+/-0.000 χ^2/NDF : 950.1/1

Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

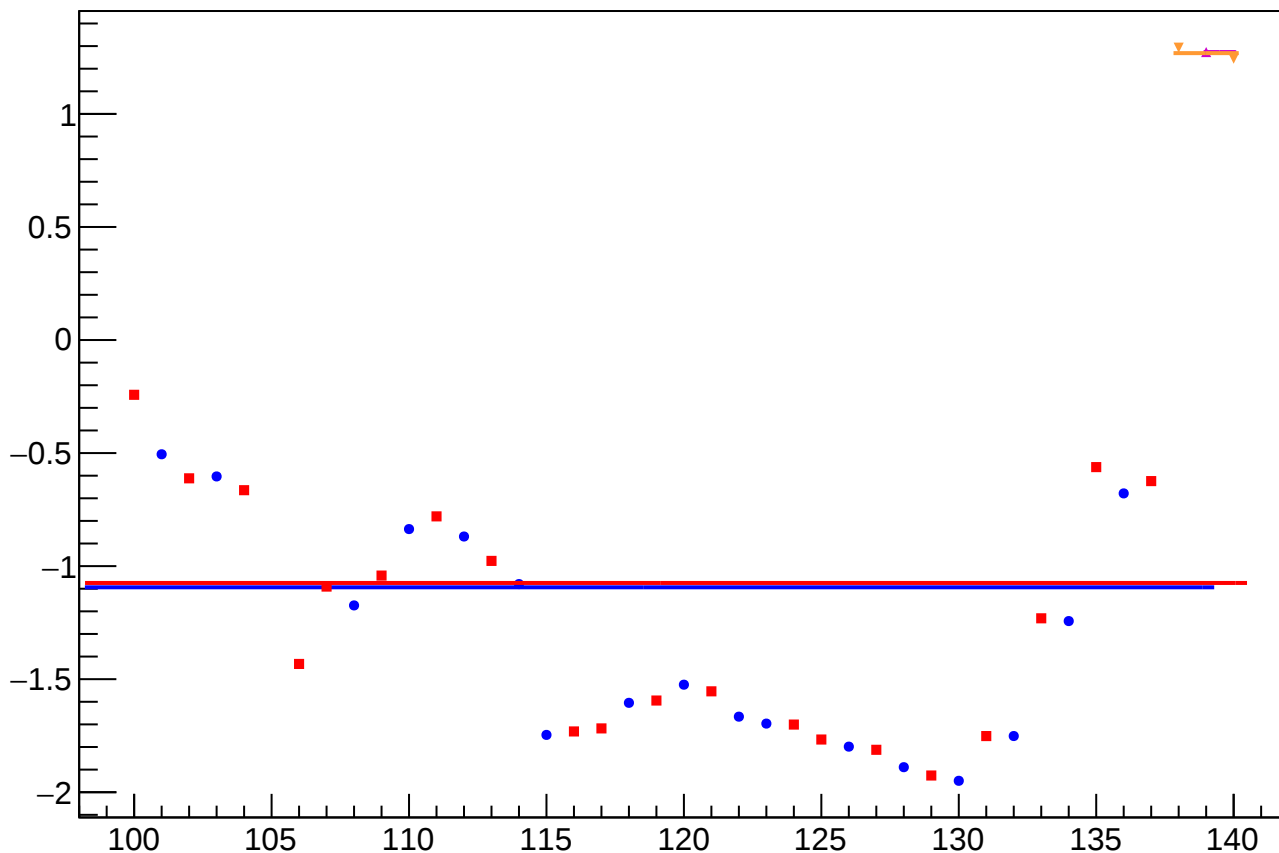
Left In: 0.016+/-0.000 χ^2/NDF : 0.0/0

0.015+/-0.000 χ^2/NDF : 135735.4/18

0.015+/-0.000 χ^2/NDF : 221948.3/39

0.015+/-0.000 χ^2/NDF : 85052.7/20

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 1.269+/-0.000 χ^2/NDF : 54233079.5/1

-0.302+/-0.000 χ^2/NDF : 395718670757.2/18

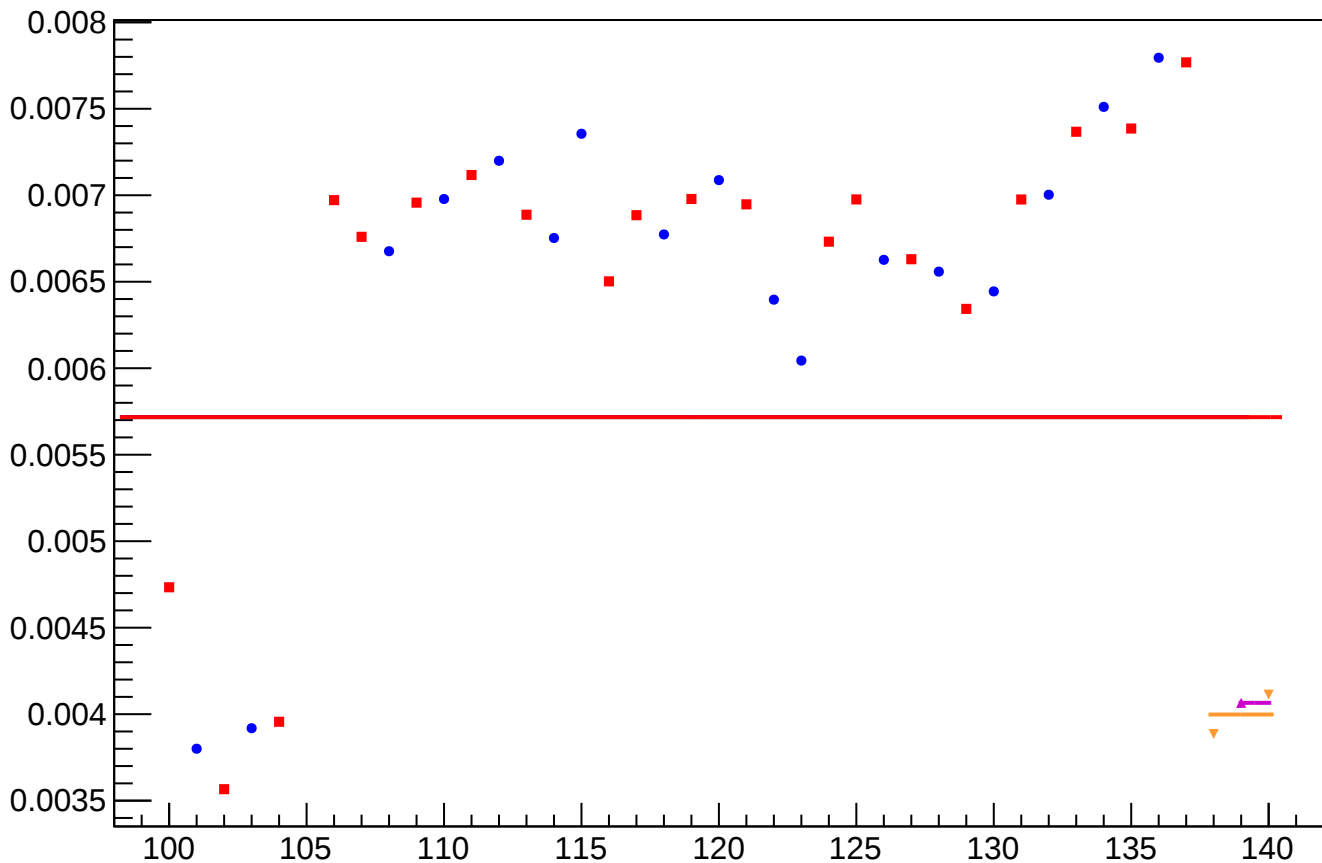
Right Out: -1.074+/-0.000 χ^2/NDF : 47208439320.8/19

-0.471+/-0.000 χ^2/NDF : 639274332602.4

-0.672+/-0.000 χ^2/NDF : 226553089633.3/20

Left In: 1.274+/-0.000 χ^2/NDF : 0.0/0

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF : 2368.1/1

Right Out: 0.006+/-0.000 χ^2/NDF : 925957.4/19

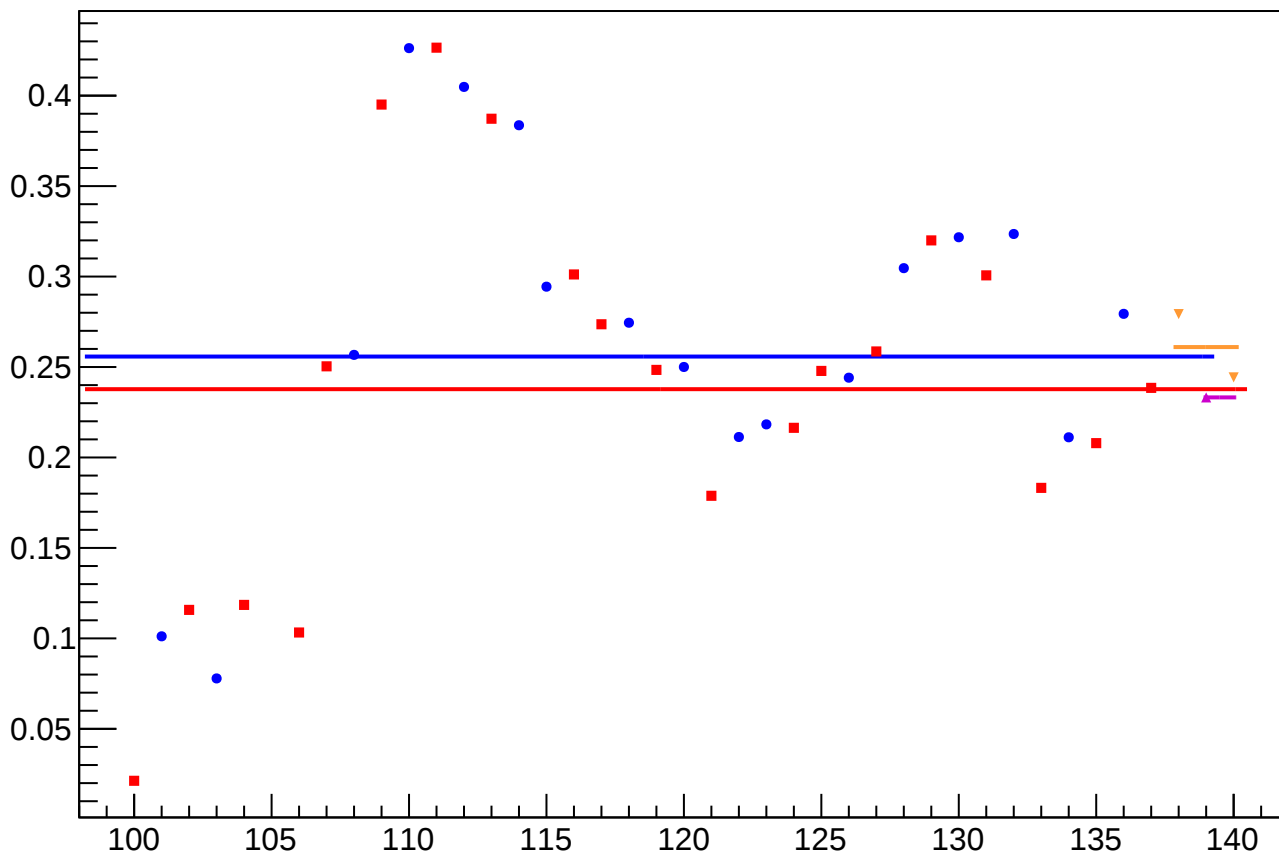
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 1200031.9/18

0.005+/-0.000 χ^2/NDF : 2324729.5/39

0.005+/-0.000 χ^2/NDF : 1103402.7/20

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.261+/-0.000 χ^2/NDF : 166939700.9/1

Right Out: 0.238+/-0.000 χ^2/NDF : 26077768189.7/19

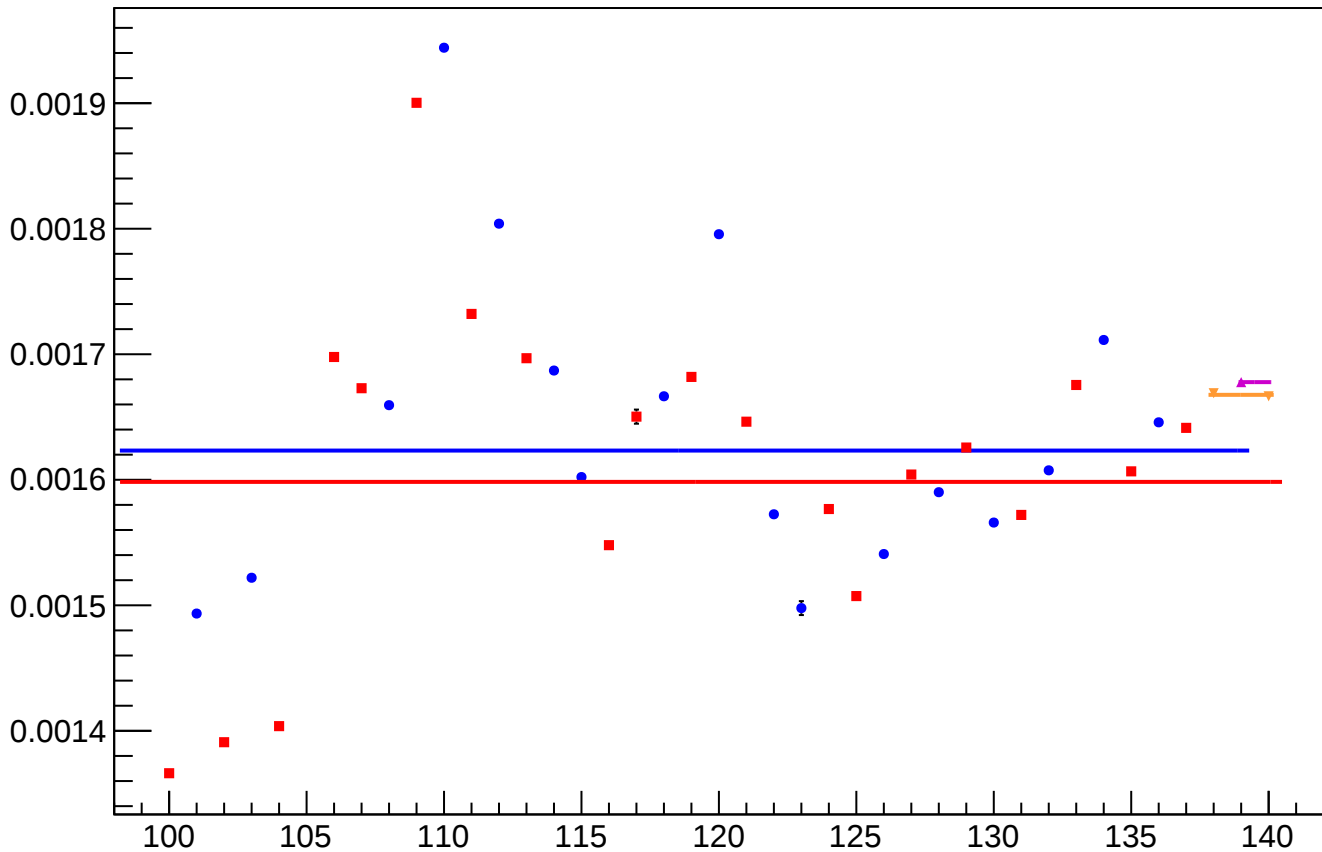
Left In: 0.233+/-0.000 χ^2/NDF : 0.0/0

0.257+/-0.000 χ^2/NDF : 21544704550.8/18

0.247+/-0.000 χ^2/NDF : 48186509666.2/3

0.237+/-0.000 χ^2/NDF : 26082340634.2/20

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 52468.7/16

Left Out: 0.002+/-0.000 χ^2/NDF : 1.7/1

Right Out: 0.002+/-0.000 χ^2/NDF : 90764.4/19

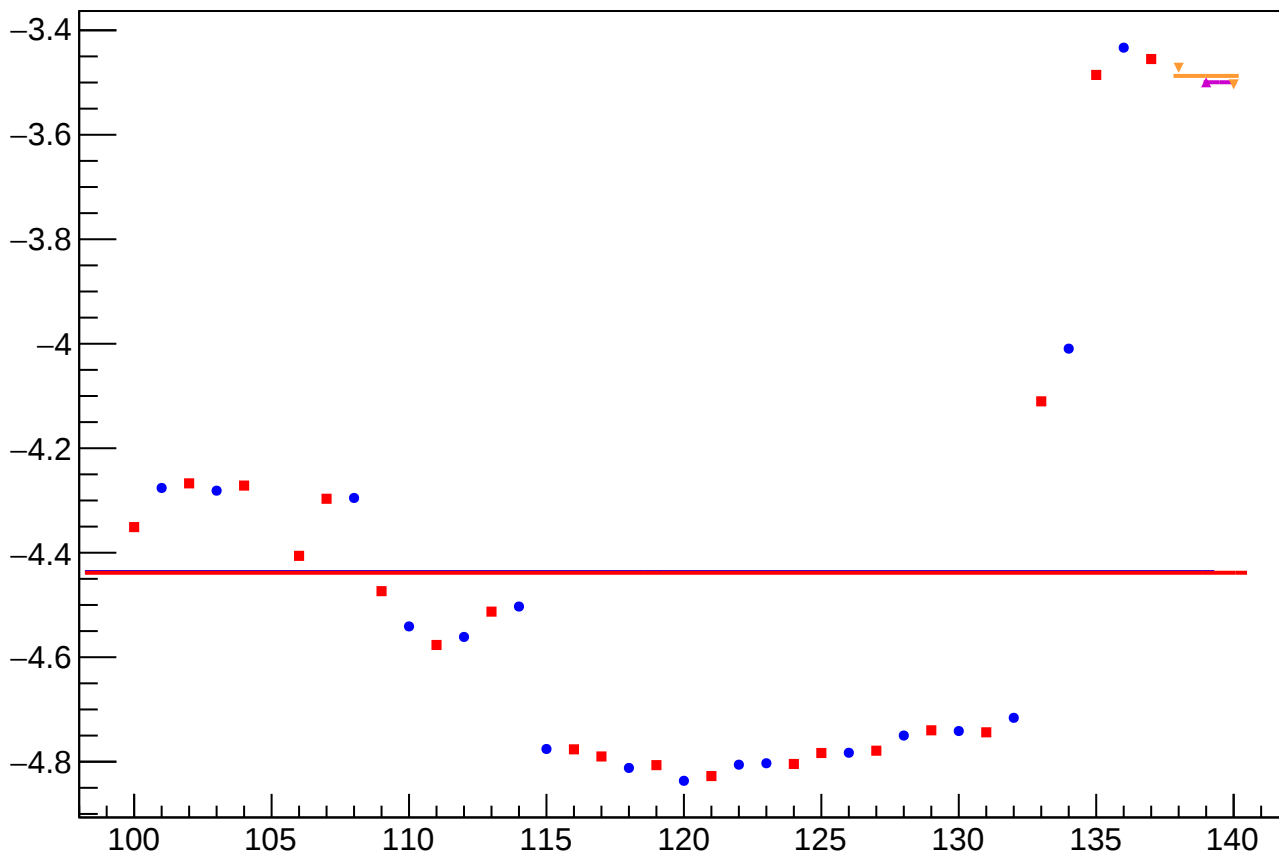
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 54231.7/18

0.002+/-0.000 χ^2/NDF : 149908.0/39

0.002+/-0.000 χ^2/NDF : 93555.1/20

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.487+/-0.000 χ^2/NDF : 115558751.2/1

-4.260+/-0.000 χ^2/NDF : 729107059953.7/18

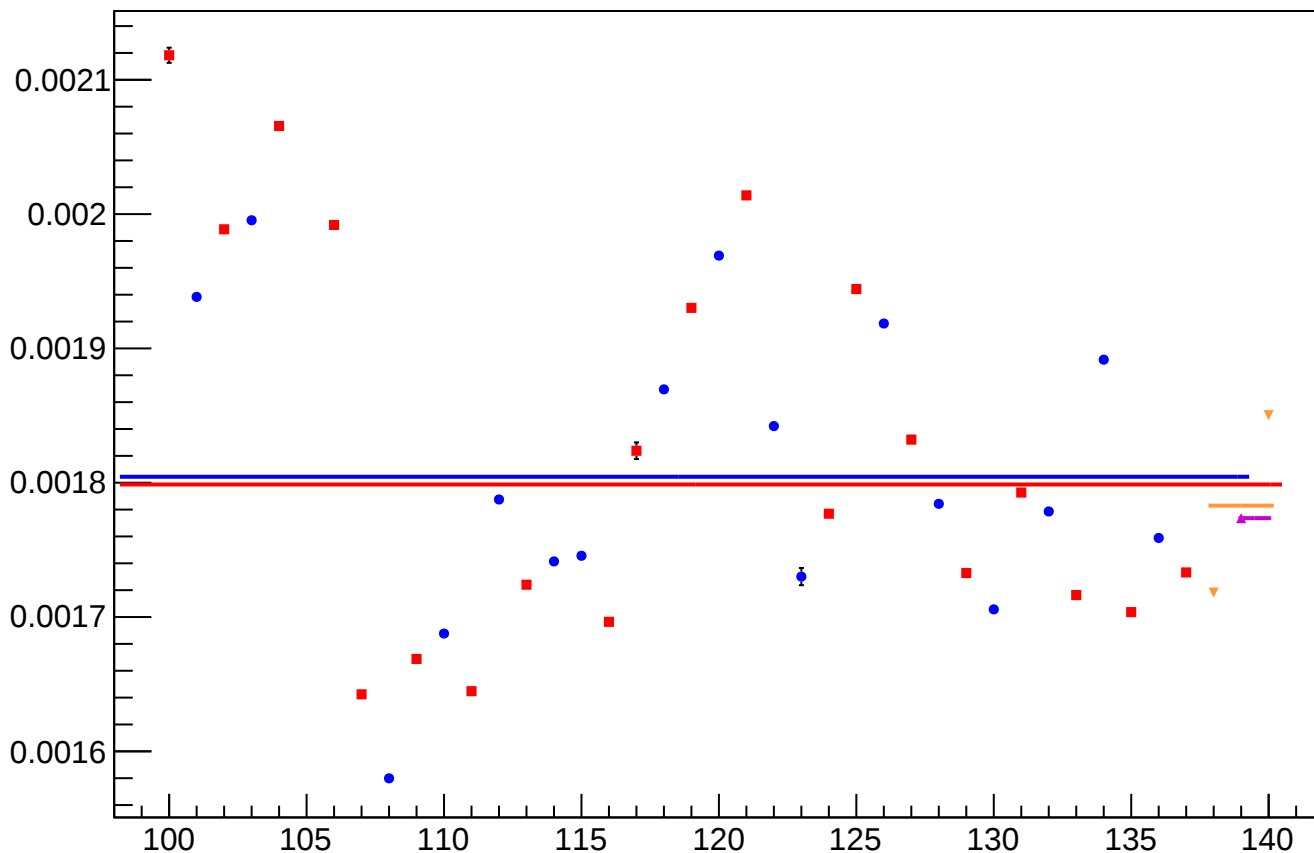
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.306+/-0.000 χ^2/NDF : 1236268691884.0/16

-4.354+/-0.000 χ^2/NDF : 496574969917.8/20

Left In: -3.499+/-0.000 χ^2/NDF : 0.0/0

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 3995.5/1

Right Out: 0.002+/-0.000 χ^2/NDF : 81037.5/19

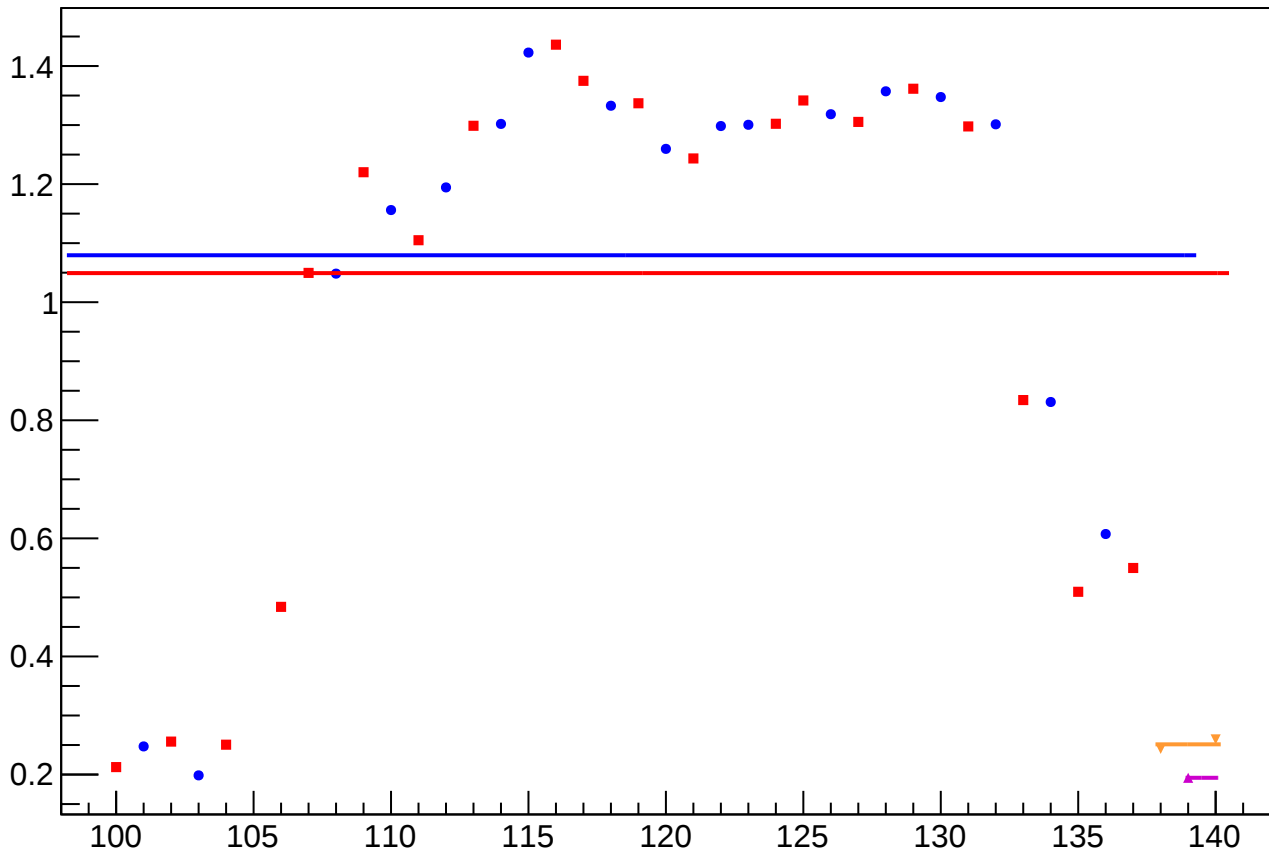
Left In: 0.002+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 53443.2/18

0.002+/-0.000 χ^2/NDF : 134760.7/39

0.002+/-0.000 χ^2/NDF : 81279.0/20

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.251 $\pm$ 0.000 χ^2 /NDF:1033303.6/1

0.984 $\pm$ 0.000 χ^2 /NDF: 27230171753.5/18

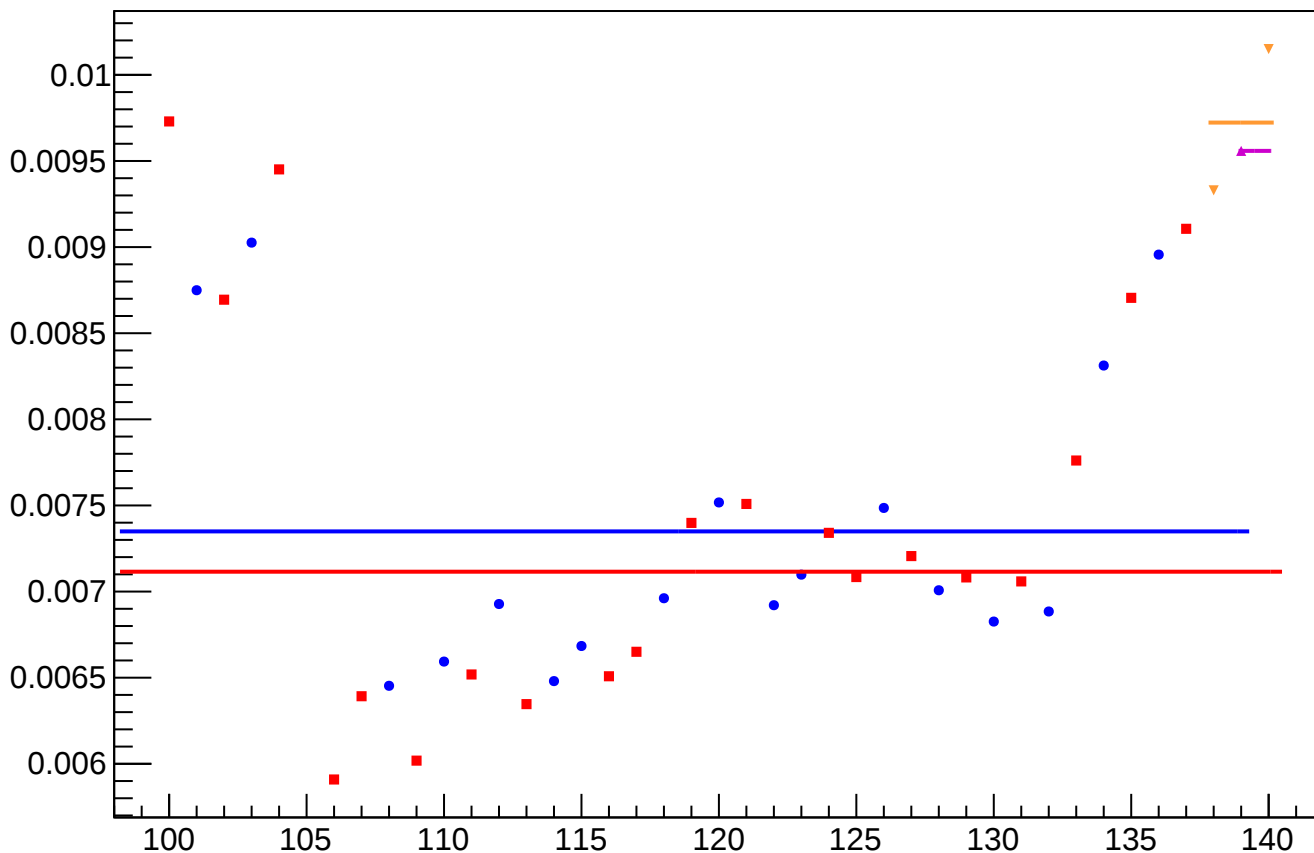
Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

0.995 $\pm$ 0.000 χ^2 /NDF: 52199742649.4/3

1.006 $\pm$ 0.000 χ^2 /NDF: 24935162420.7/20

Left In: 0.194 $\pm$ 0.000 χ^2 /NDF:0.0/0

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 180818.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:5366.0/1

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 259539.3/19

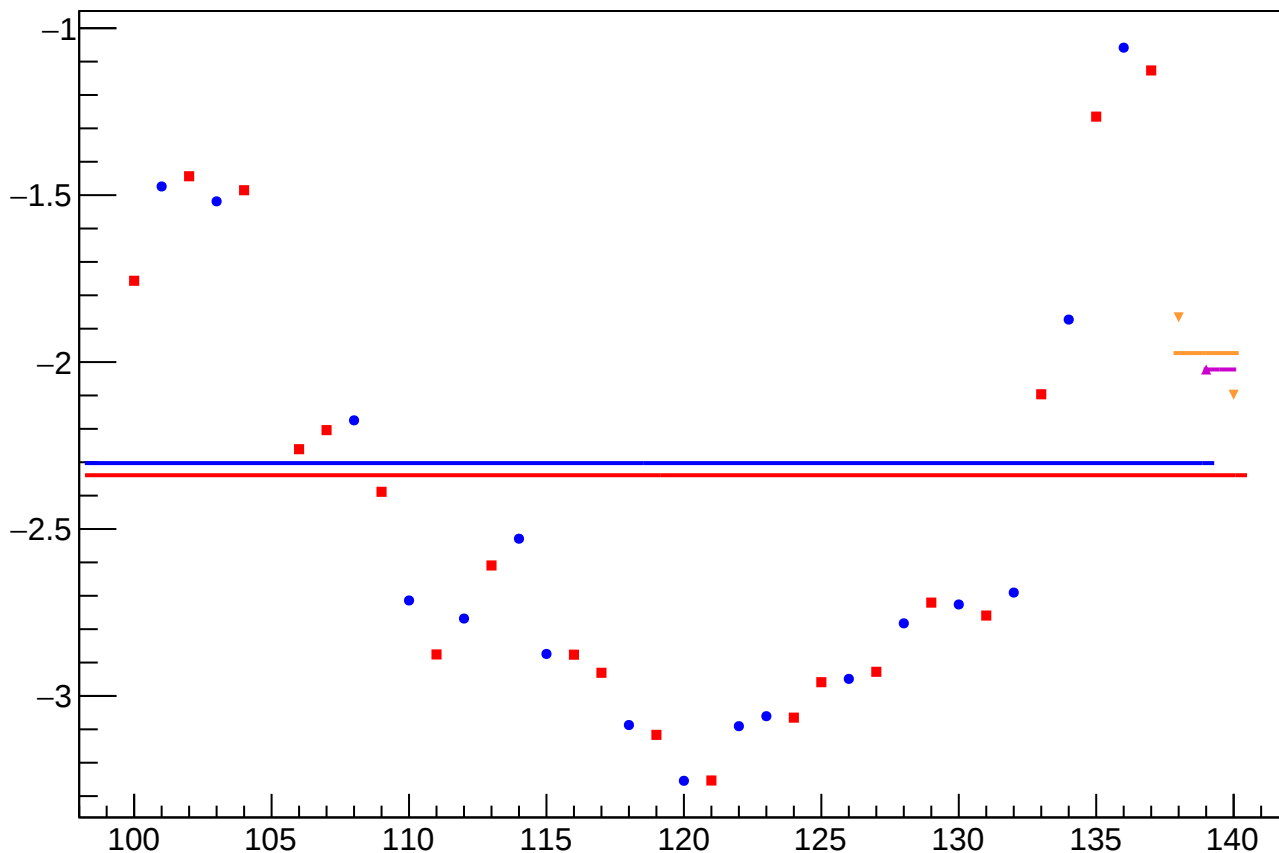
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.008 $\pm$ 0.000 χ^2 /NDF: 345414.0/18

0.007 $\pm$ 0.000 χ^2 /NDF: 710017.7/39

0.007 $\pm$ 0.000 χ^2 /NDF: 343649.7/20

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -1.973+/-0.000 χ^2/NDF : 260631536.0/1

-2.263+/-0.000 χ^2/NDF : 75884504423.3/18

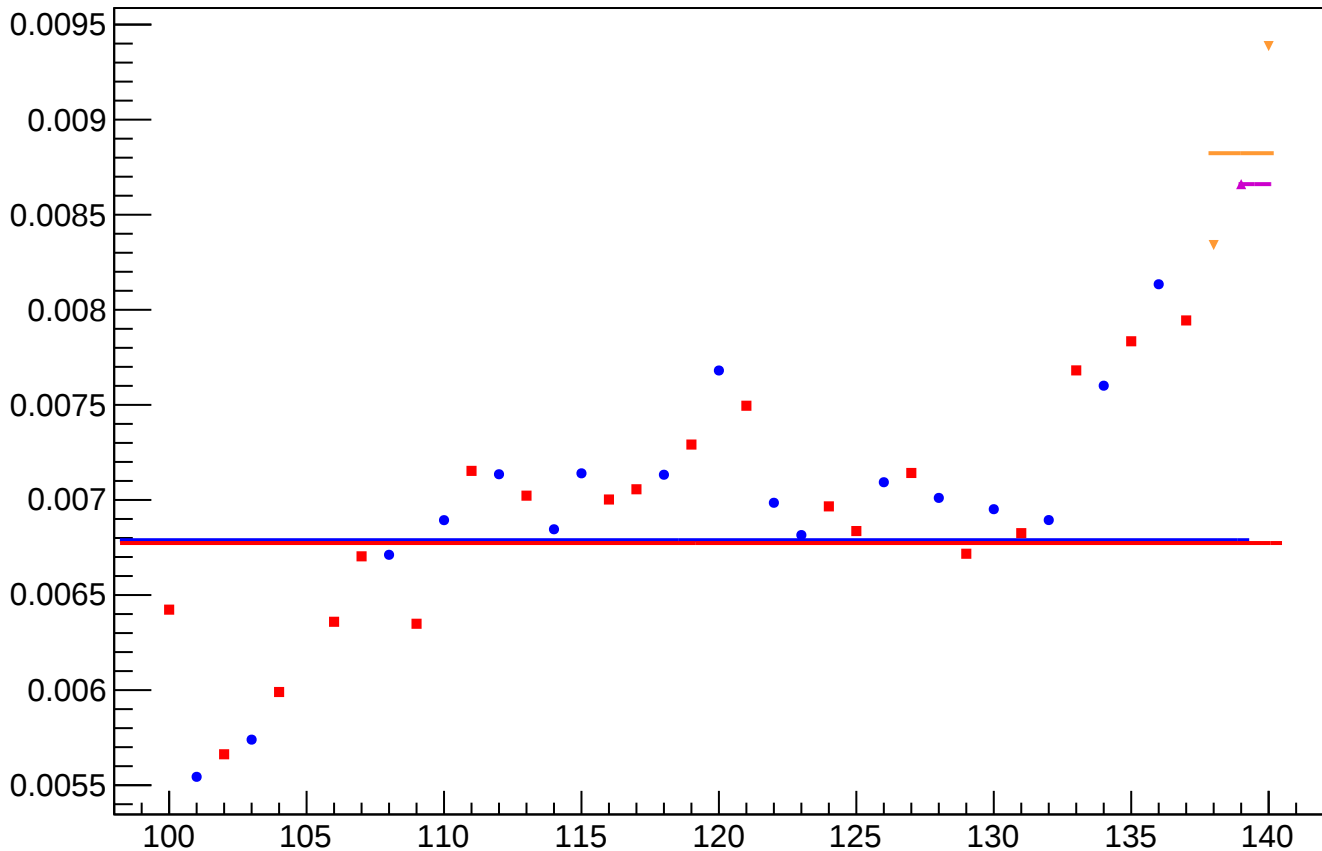
-2.292+/-0.000 χ^2/NDF : 141825144040.7

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

-2.321+/-0.000 χ^2/NDF : 65663728780.6/20

Left In: -2.022+/-0.000 χ^2/NDF : 0.0/0

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 10628.7/1

Right Out: 0.007+/-0.000 χ^2/NDF : 123383.6/19

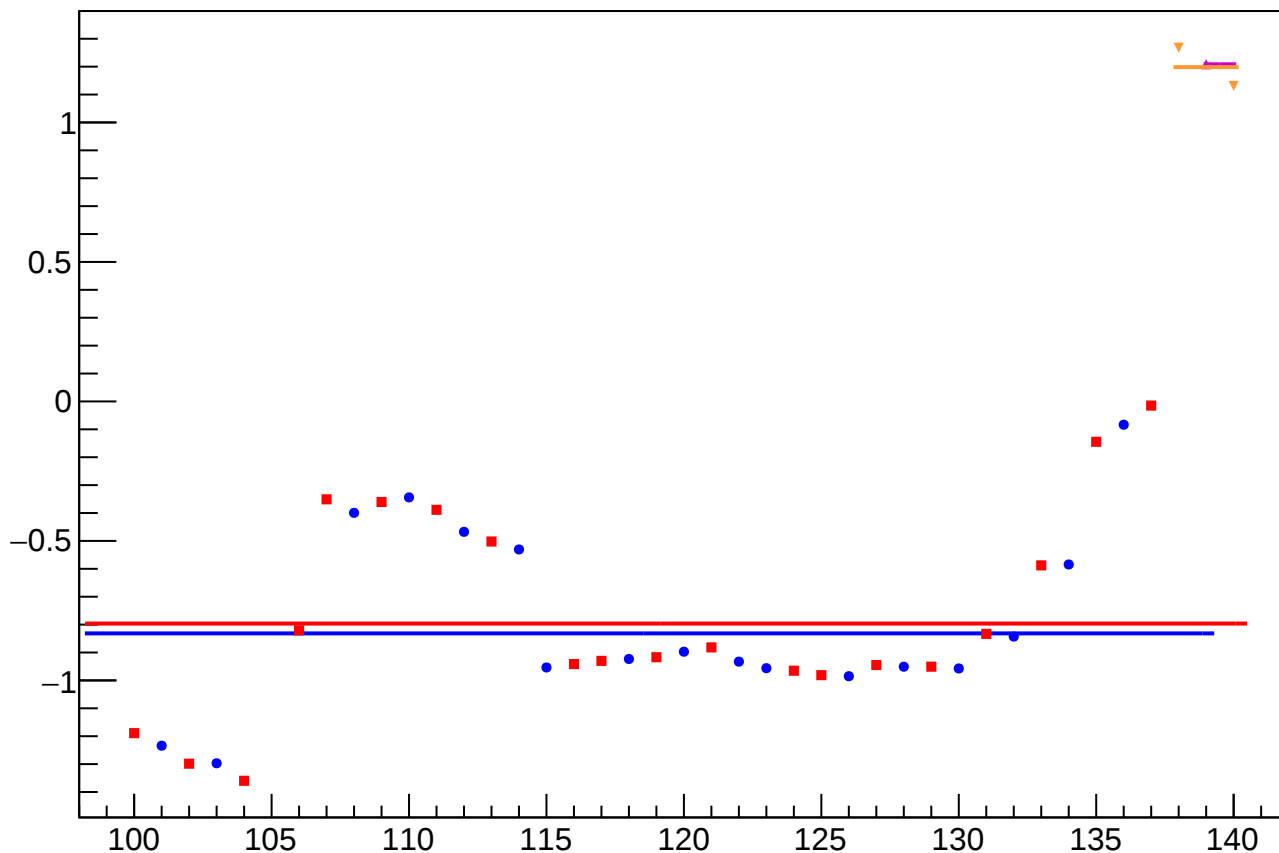
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 318332.4/18

0.007+/-0.000 χ^2/NDF : 506560.8/39

0.007+/-0.000 χ^2/NDF : 184372.9/20

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: 1.198 ± 0.000 χ^2/NDF : 45425783.7/1

Right Out: -0.796 ± 0.000 χ^2/NDF : 7827622544.3/19

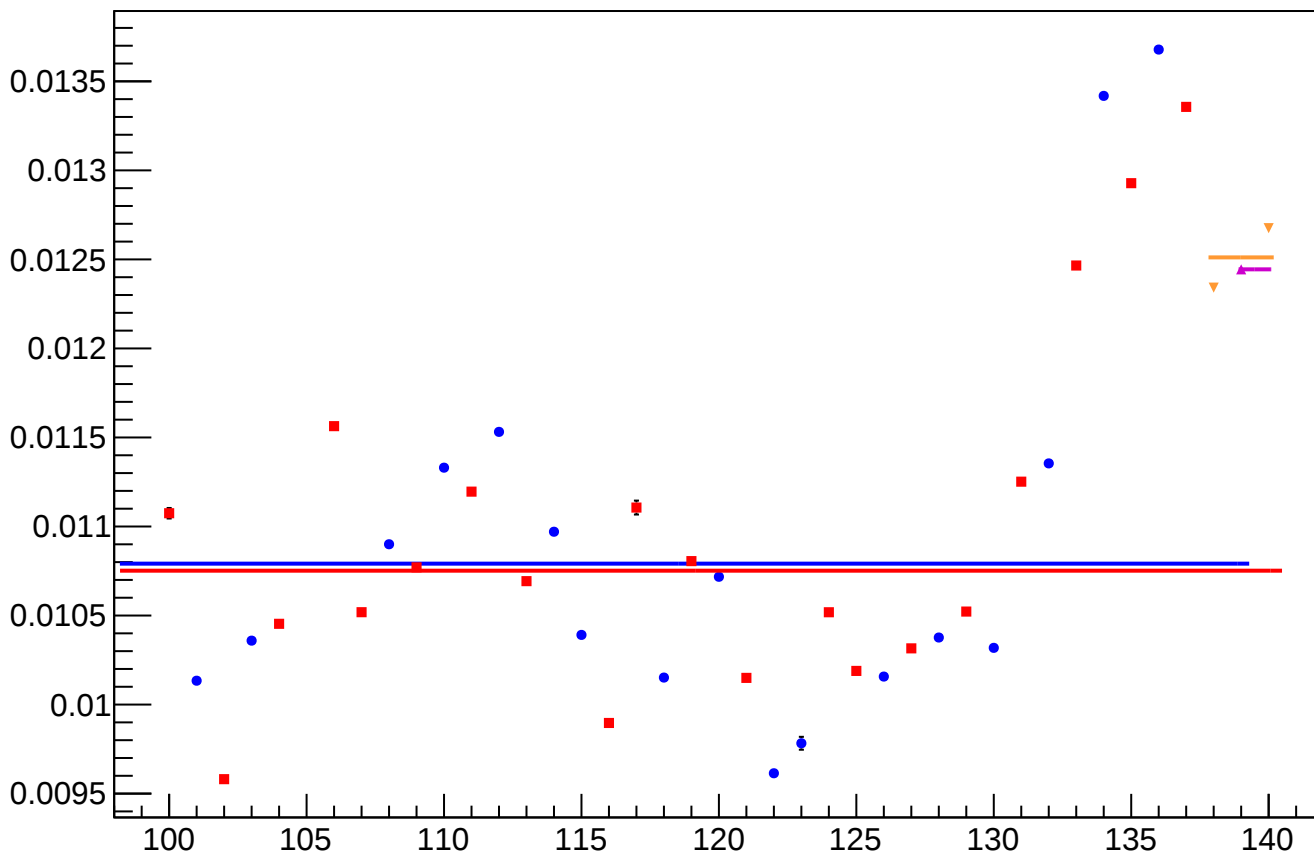
Left In: 1.208 ± 0.000 χ^2/NDF : 0.0/0

-0.535 ± 0.000 χ^2/NDF : 40725264504.8/18

-0.597 ± 0.000 χ^2/NDF : 65433528412.5/3

-0.660 ± 0.000 χ^2/NDF : 24195125617.5/20

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 538.7/1

Right Out: 0.011+/-0.000 χ^2/NDF : 90303.3/19

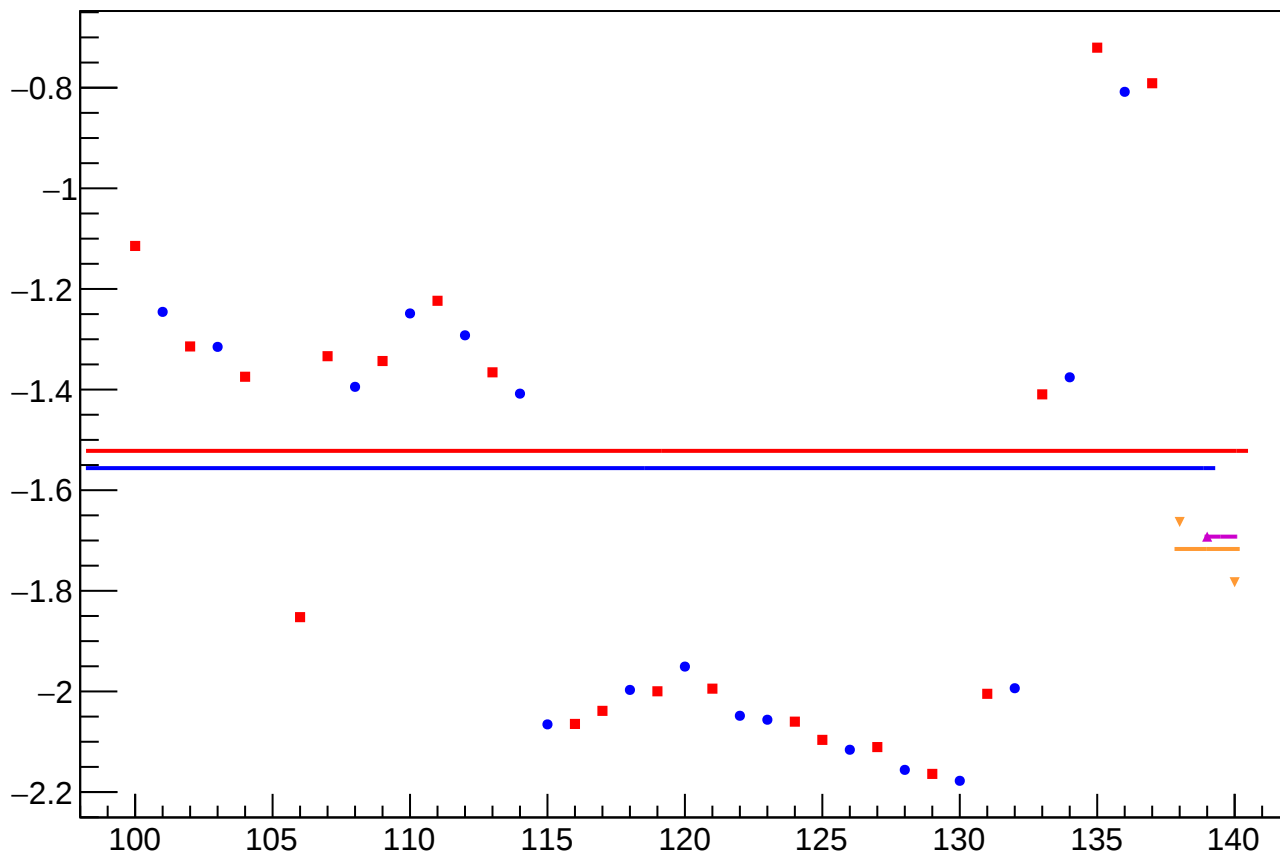
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 175144.6/18

0.011+/-0.000 χ^2/NDF : 290796.5/39

0.011+/-0.000 χ^2/NDF : 113629.6/20

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -1.717+/-0.000 χ^2/NDF : 667840943.0/1

-1.585+/-0.000 χ^2/NDF : 159622284805.4/18

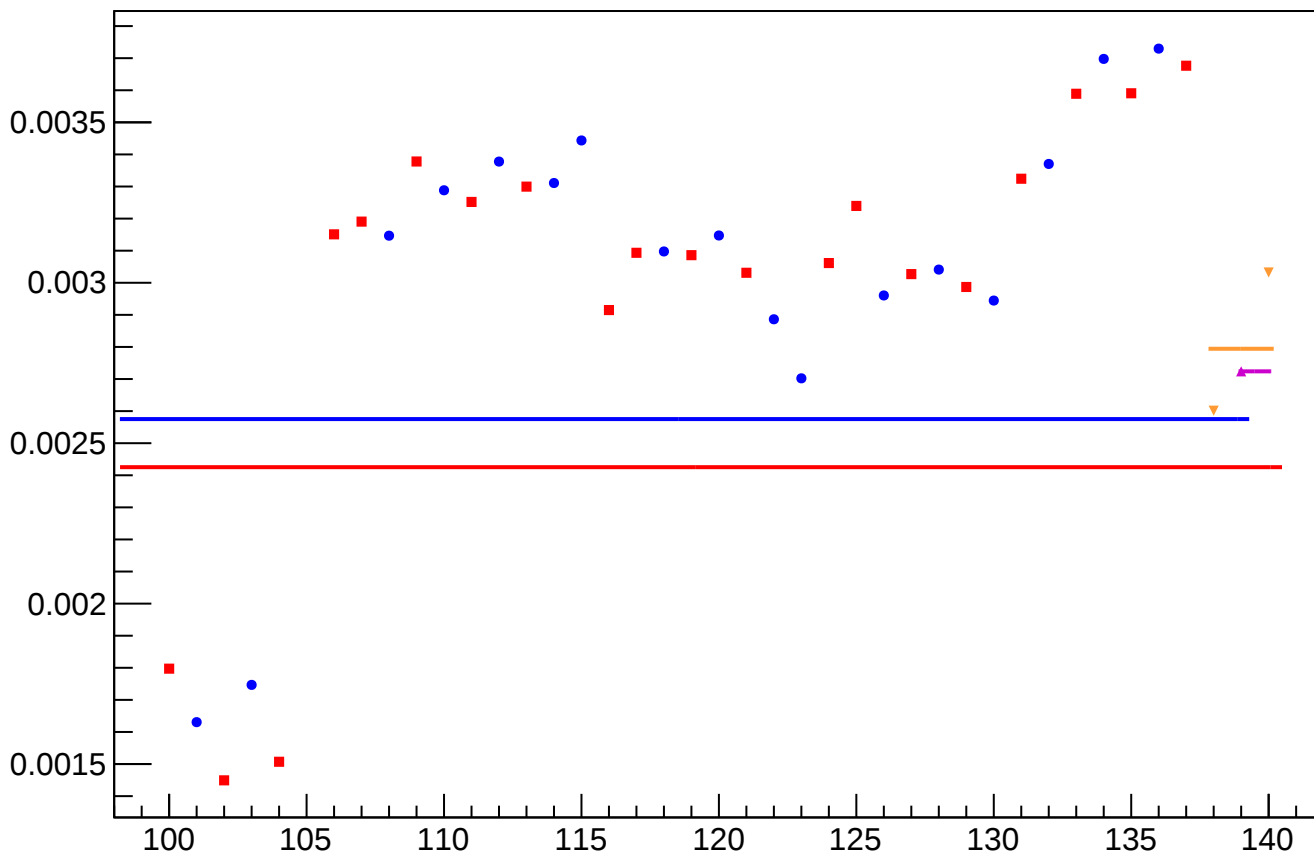
Right Out: -1.522+/-0.000 χ^2/NDF : 139385229659.4/19

-1.560+/-0.000 χ^2/NDF : 302619098435.5

-1.536+/-0.000 χ^2/NDF : 141728576016.1/20

Left In: -1.692+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF :17272.7/1

Right Out: 0.002+/-0.000 χ^2/NDF : 1493210.7/19

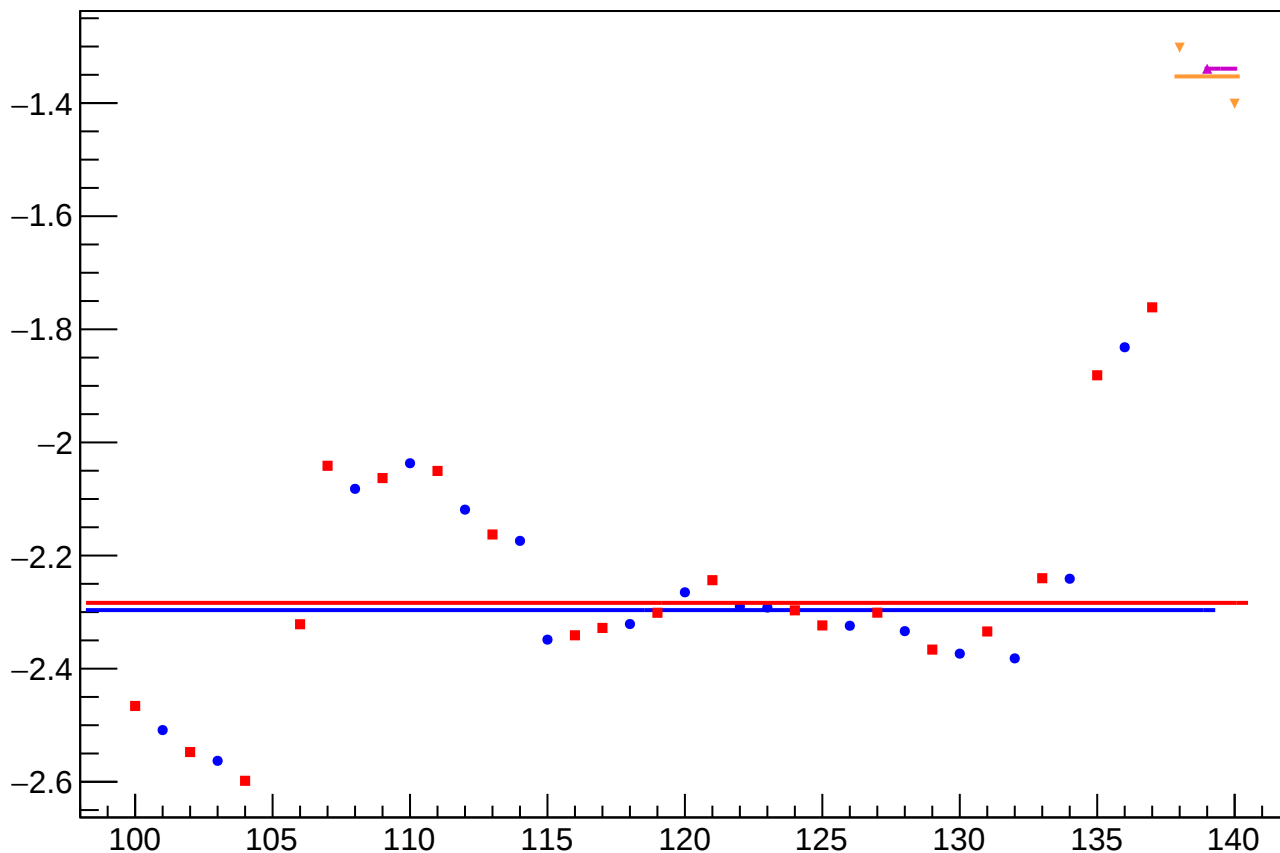
Left In: 0.003+/-0.000 χ^2/NDF :0.0/0

0.003+/-0.000 χ^2/NDF : 1045916.5/18

0.003+/-0.000 χ^2/NDF : 2581956.6/39

0.002+/-0.000 χ^2/NDF : 1507593.7/20

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296 $\pm$ 0.000 χ^2 /NDF: 5782980938.4/16

Left Out: -1.353 $\pm$ 0.000 χ^2 /NDF: 49274437.6/1

Right Out: -2.284 $\pm$ 0.000 χ^2 /NDF: 6550363990.6/19

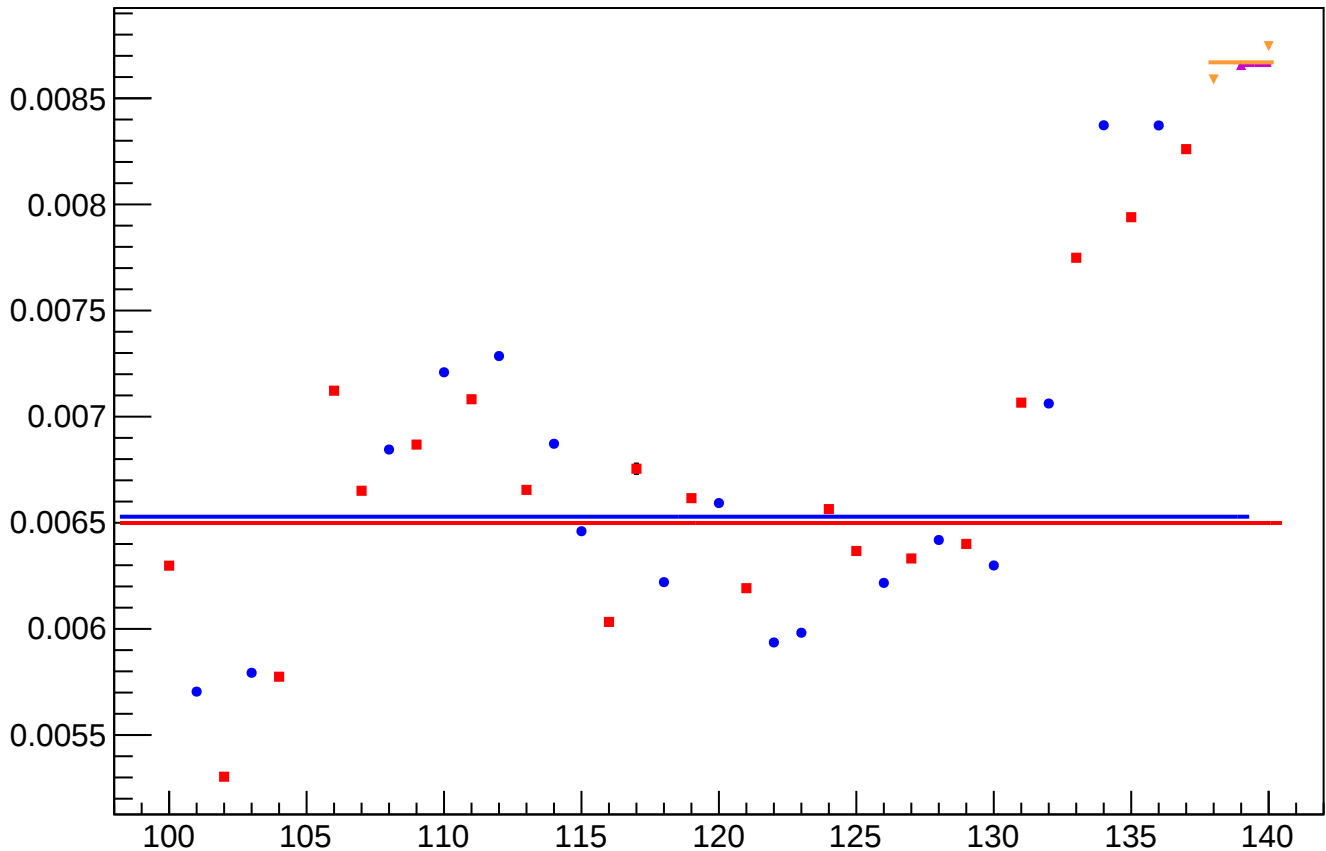
Left In: -1.339 $\pm$ 0.000 χ^2 /NDF: 0.0/0

-2.186 $\pm$ 0.000 χ^2 /NDF: 21630403935.3/18

-2.210 $\pm$ 0.000 χ^2 /NDF: 35978947628.2/3

-2.234 $\pm$ 0.000 χ^2 /NDF: 14153610886.3/20

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 246.4/1

Right Out: 0.006+/-0.000 χ^2/NDF : 164253.8/19

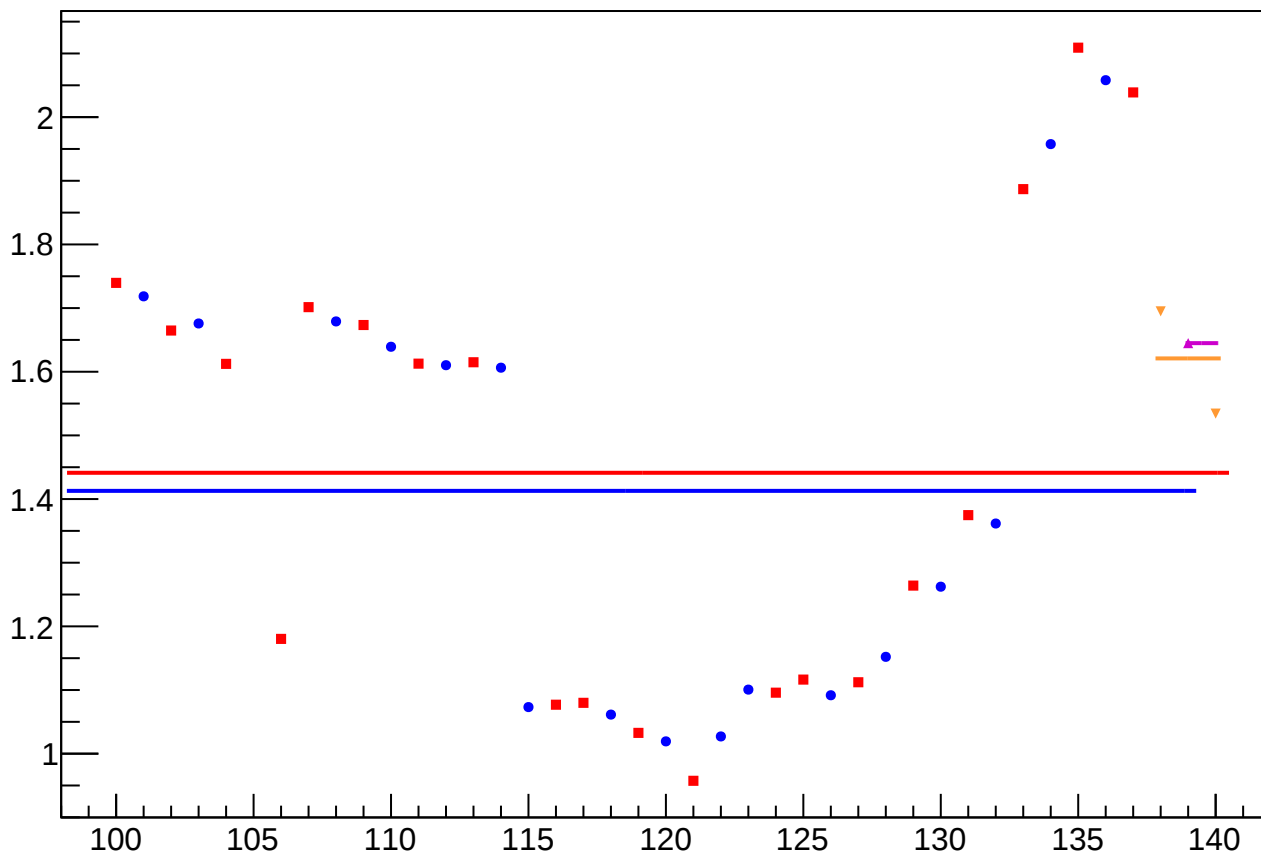
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.007+/-0.000 χ^2/NDF : 339336.8/18

0.007+/-0.000 χ^2/NDF : 587682.7/39

0.007+/-0.000 χ^2/NDF : 243624.5/20

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 1.621+/-0.000 χ^2/NDF : 453093297.5/1

1.422+/-0.000 χ^2/NDF : 175938531869.7/18

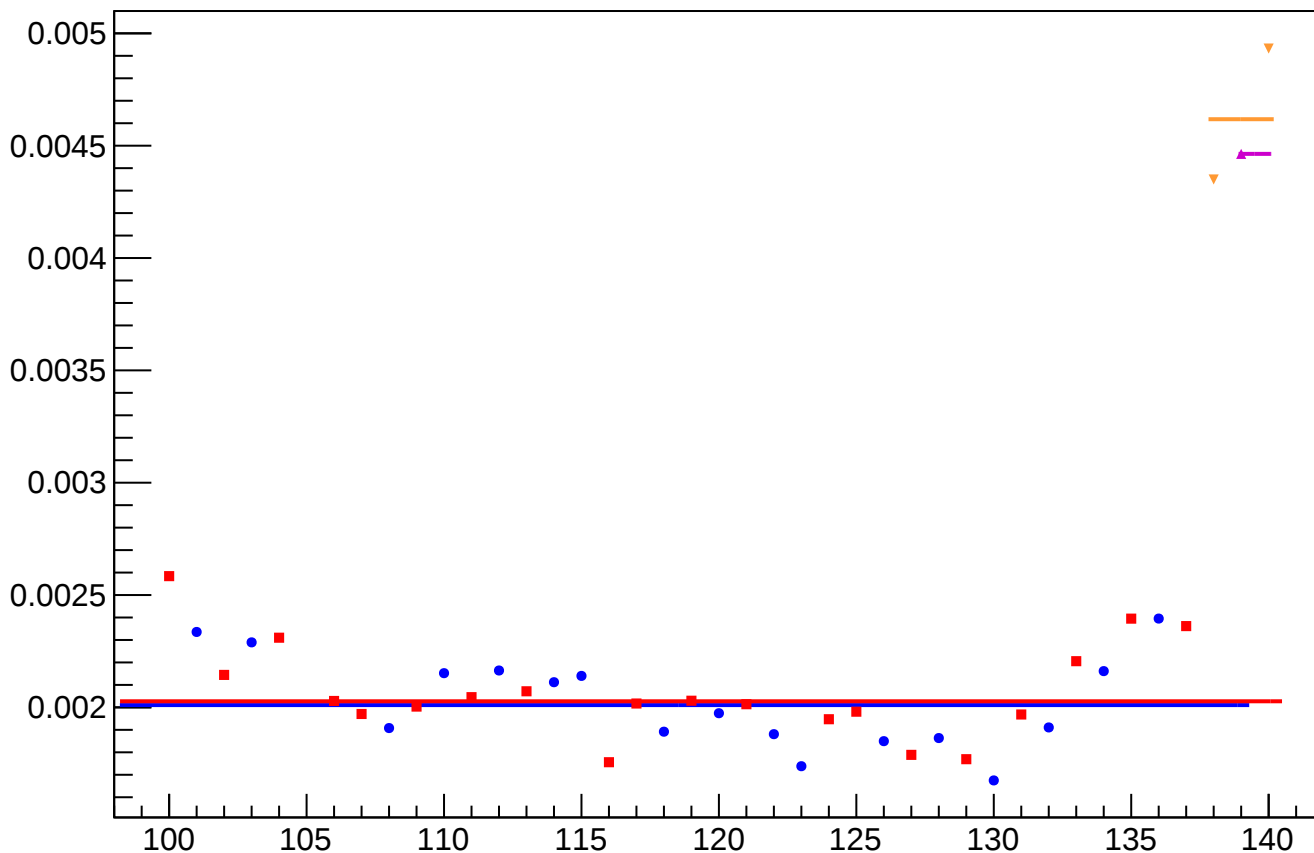
Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.434+/-0.000 χ^2/NDF : 352090003326.1/1

1.445+/-0.000 χ^2/NDF : 175710300733.1/20

Left In: 1.645+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 11924.9/1

Right Out: 0.002+/-0.000 χ^2/NDF : 103927.8/19

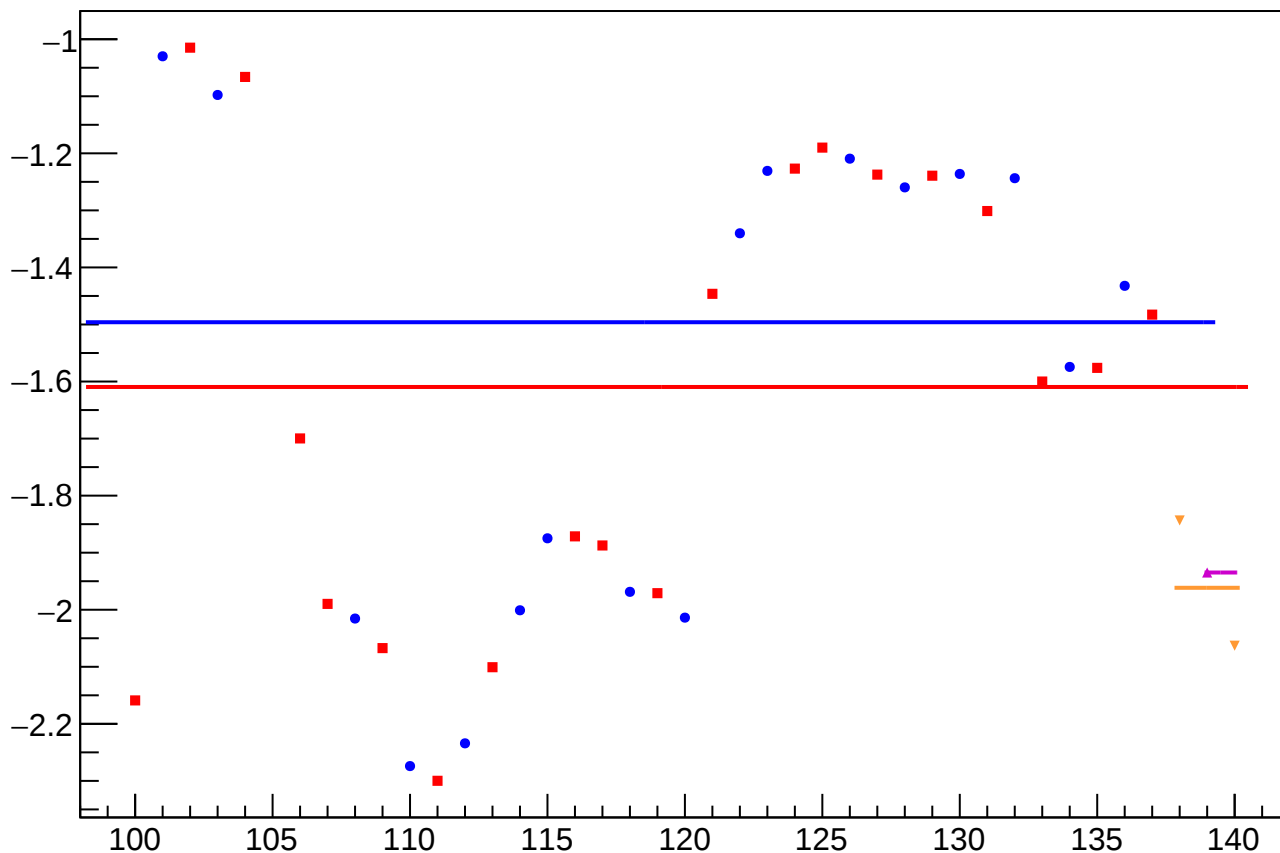
Left In: 0.004+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 1083178.0/18

0.002+/-0.000 χ^2/NDF : 1581000.2/39

0.002+/-0.000 χ^2/NDF : 494122.7/20

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496 $\pm$ 0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.962 $\pm$ 0.000 χ^2/NDF : 597924525.9/1

Right Out: -1.610 $\pm$ 0.000 χ^2/NDF : 27919840690.9/19

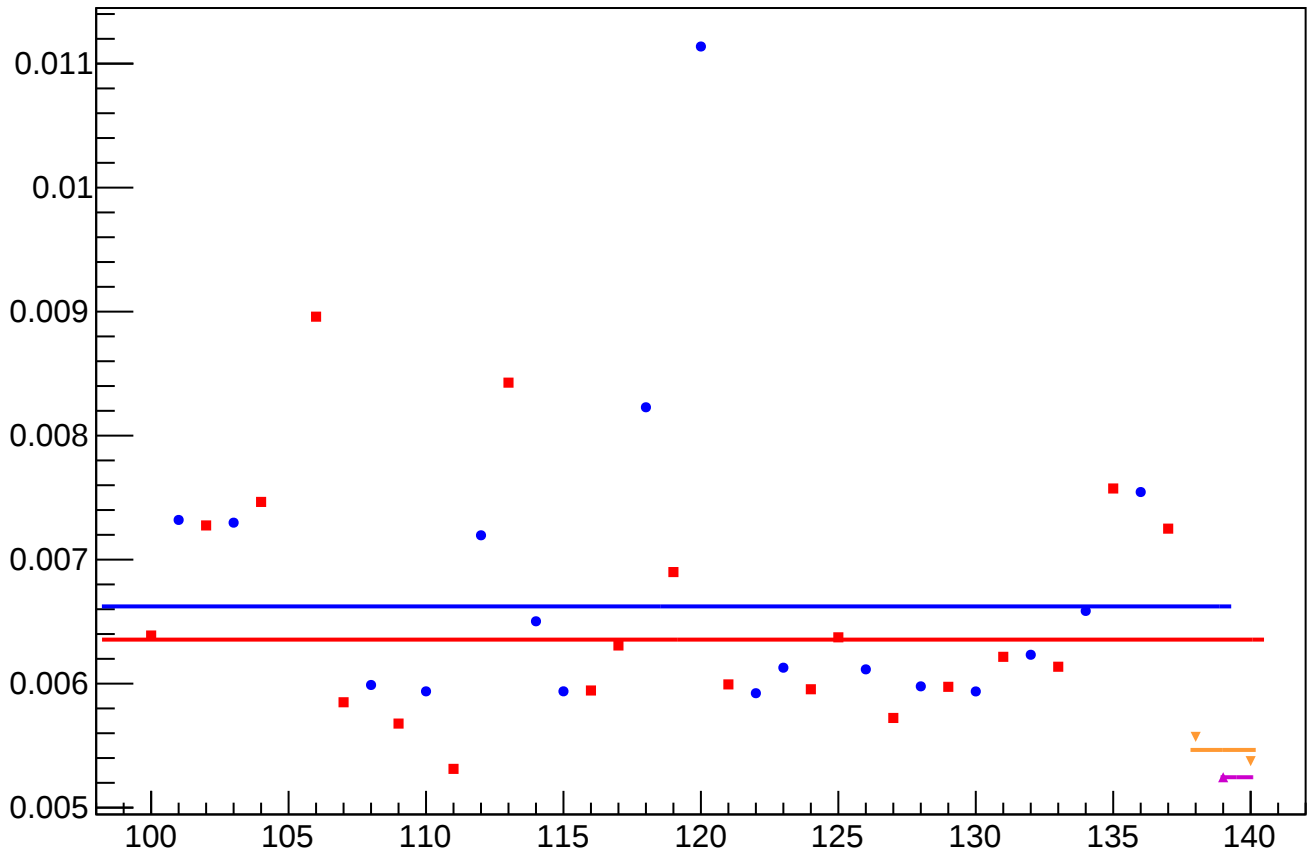
Left In: -1.935 $\pm$ 0.000 χ^2/NDF : 0.0/0

-1.619 $\pm$ 0.000 χ^2/NDF : 31077484106.0/18

-1.635 $\pm$ 0.000 χ^2/NDF : 61320273315.9/3

-1.651 $\pm$ 0.000 χ^2/NDF : 30145666175.6/20

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 950.9/1

Right Out: 0.006+/-0.000 χ^2/NDF : 227865.9/19

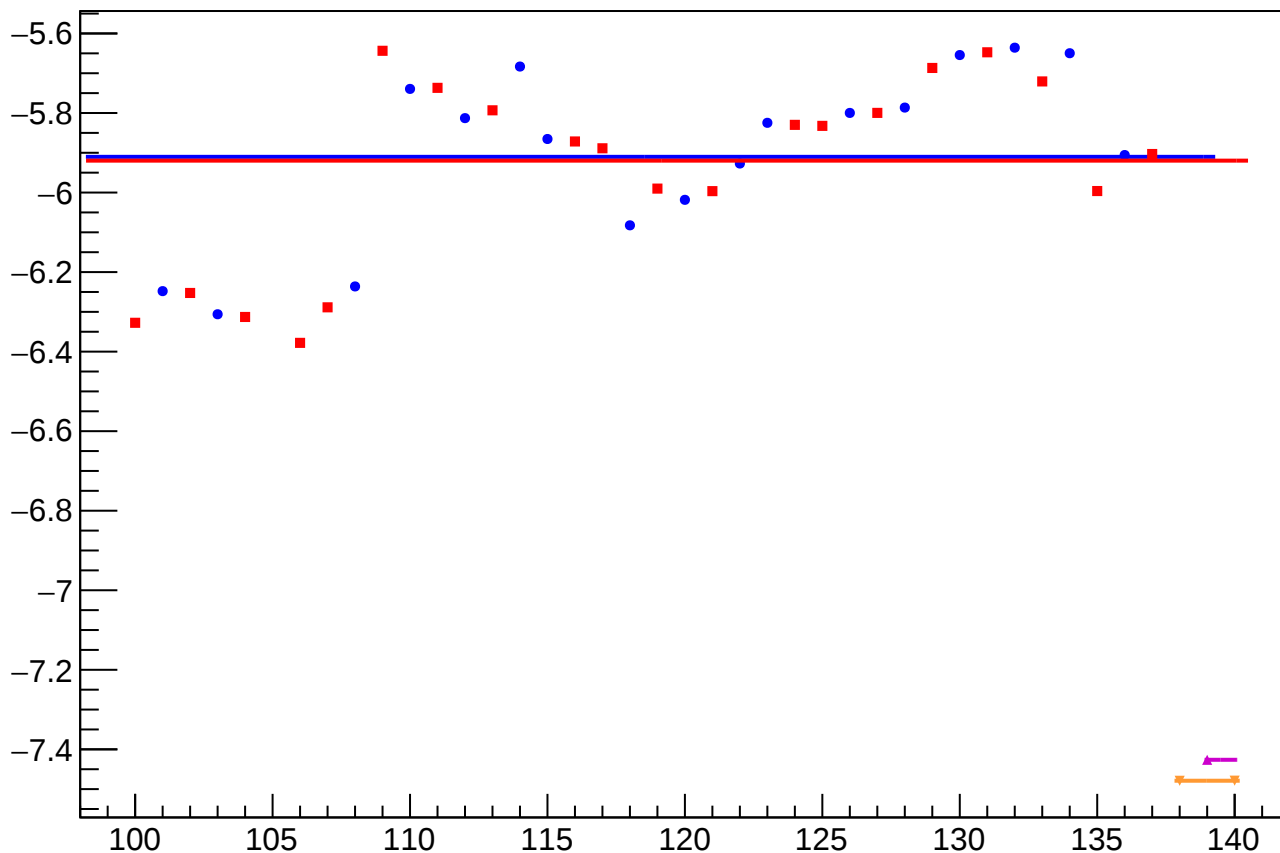
Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 331938.5/18

0.006+/-0.000 χ^2/NDF : 613689.3/39

0.006+/-0.000 χ^2/NDF : 279710.8/20

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -7.479+/-0.000 χ^2/NDF : 428.9/1

-6.035+/-0.000 χ^2/NDF : 50913950876.4/18

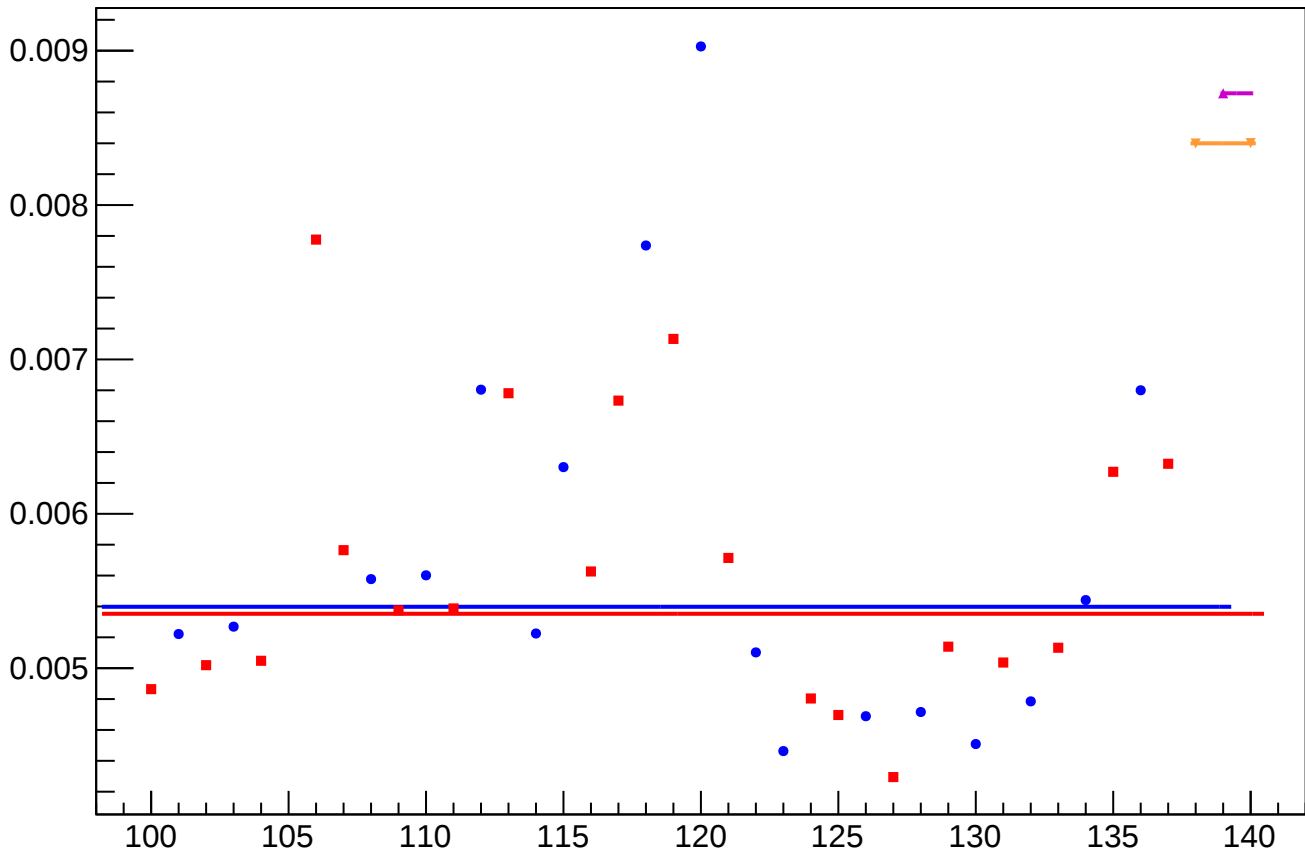
-6.001+/-0.000 χ^2/NDF : 80277478712.6/3

Right Out: -5.920+/-0.000 χ^2/NDF : 12786449843.6/19

-5.967+/-0.000 χ^2/NDF : 28846385016.8/20

Left In: -7.426+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF : 0.0/1

Right Out: 0.005+/-0.000 χ^2/NDF : 252664.1/19

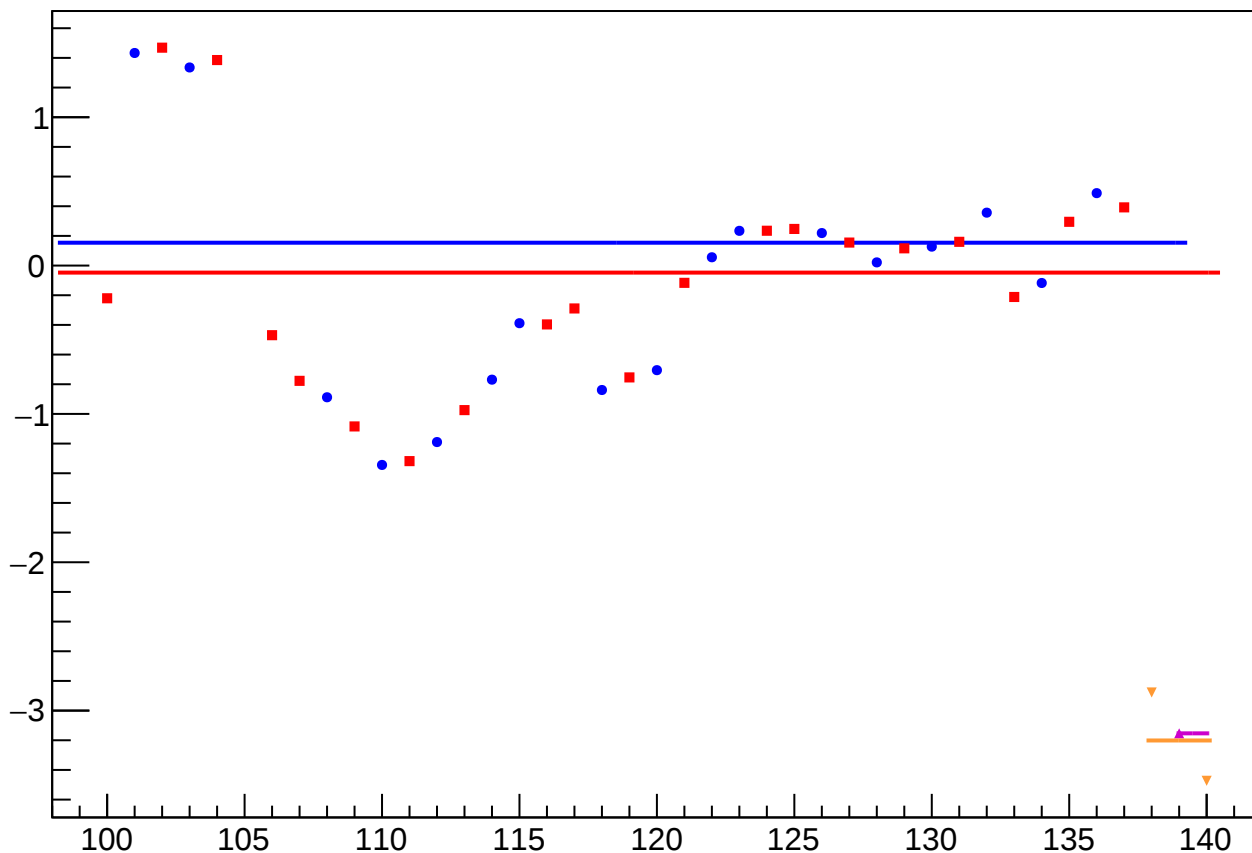
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 662587.2/18

0.006+/-0.000 χ^2/NDF : 1083257.6/39

0.005+/-0.000 χ^2/NDF : 413535.4/20

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.201+/-0.000 χ^2/NDF : 461907114.5/1

-0.336+/-0.000 χ^2/NDF : 67935925562.5/18

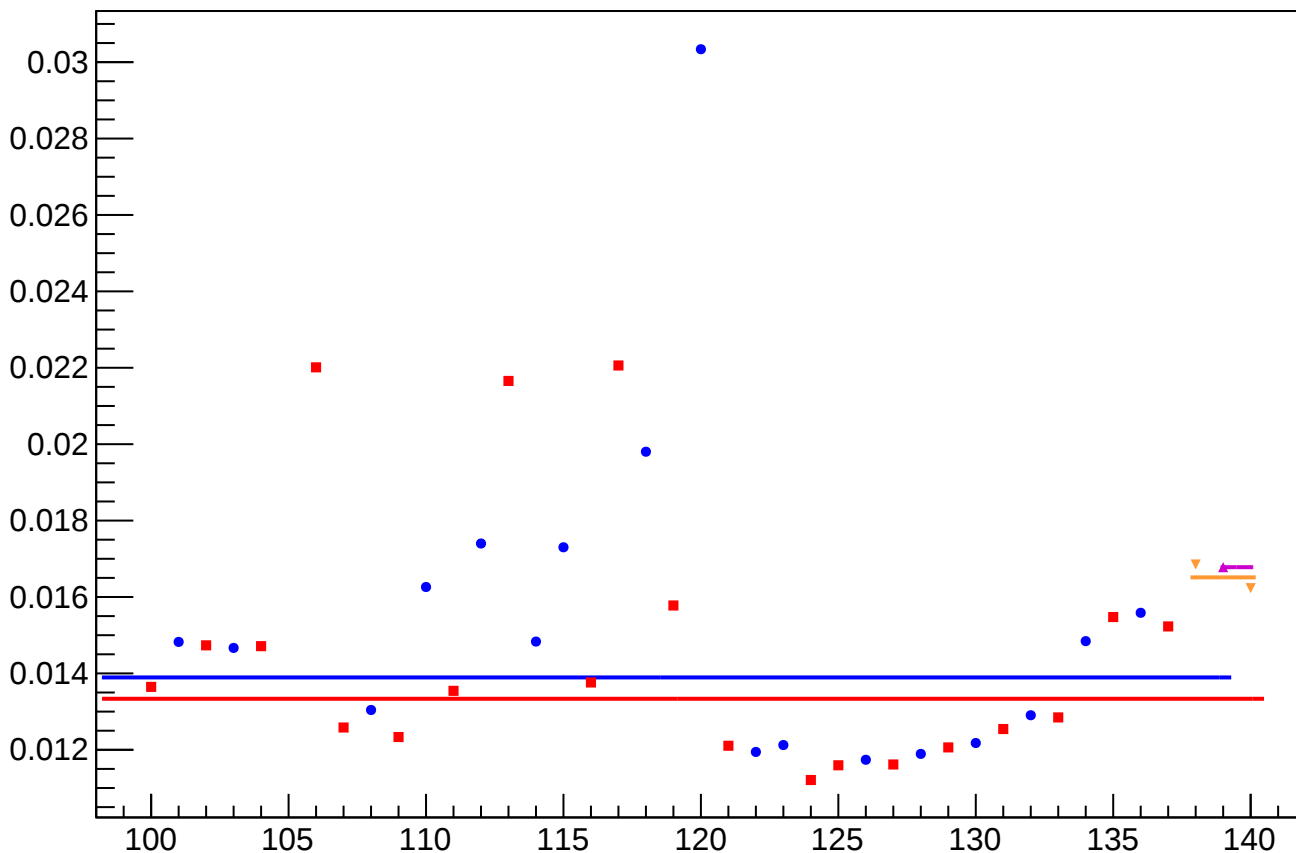
Right Out: -0.047+/-0.000 χ^2/NDF : 21216074494.2/19

-0.283+/-0.000 χ^2/NDF : 110553610545.0

-0.234+/-0.000 χ^2/NDF : 42423501599.9/20

Left In: -3.153+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.017+/-0.000 χ^2/NDF : 999.4/1

Right Out: 0.013+/-0.000 χ^2/NDF : 303459.9/19

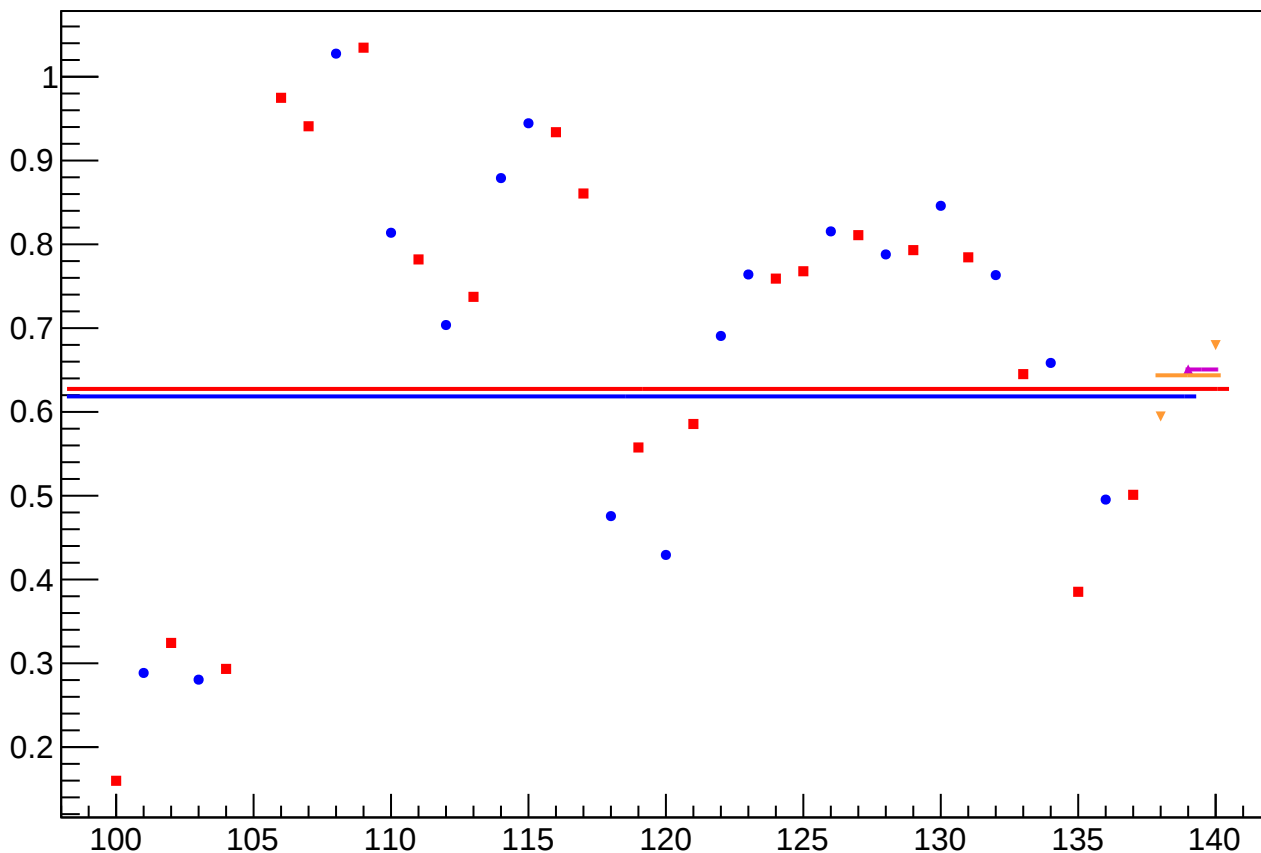
Left In: 0.017+/-0.000 χ^2/NDF : 0.0/0

0.014+/-0.000 χ^2/NDF : 463088.3/18

0.014+/-0.000 χ^2/NDF : 838818.6/39

0.014+/-0.000 χ^2/NDF : 355628.7/20

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.644+/-0.000 χ^2/NDF : 47854008.2/1

Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

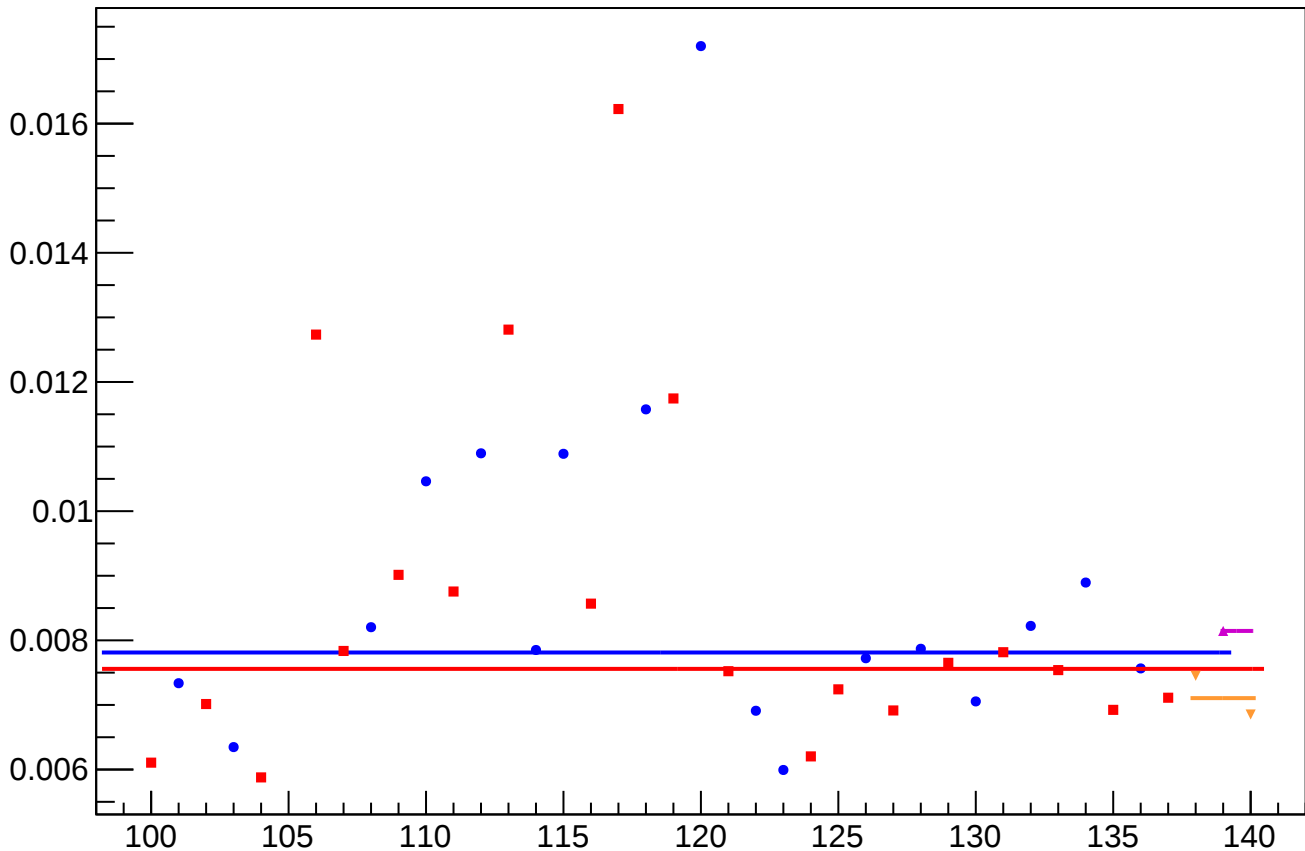
Left In: 0.651+/-0.000 χ^2/NDF : 0.0/0

0.624+/-0.000 χ^2/NDF : 5478151249.6/18

0.627+/-0.000 χ^2/NDF : 11830156757.8/3

0.629+/-0.000 χ^2/NDF : 6350357094.8/20

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.007+/-0.000 χ^2/NDF : 4732.0/1

Right Out: 0.008+/-0.000 χ^2/NDF : 463232.7/19

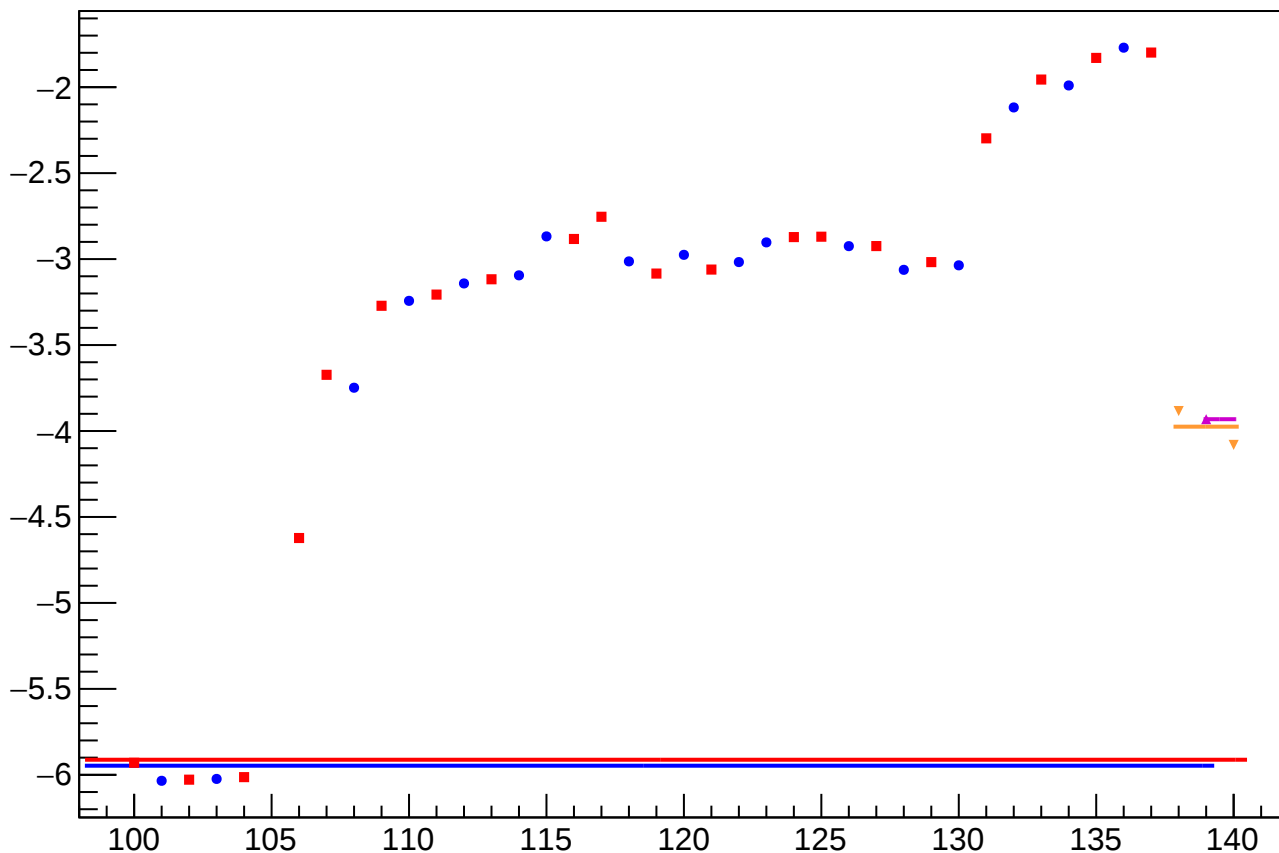
Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.008+/-0.000 χ^2/NDF : 492571.0/18

0.008+/-0.000 χ^2/NDF : 962100.4/39

0.008+/-0.000 χ^2/NDF : 469220.1/20

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -3.975+/-0.000 χ^2/NDF : 1947309.8/1

-5.939+/-0.000 χ^2/NDF : 13950385746.9/18

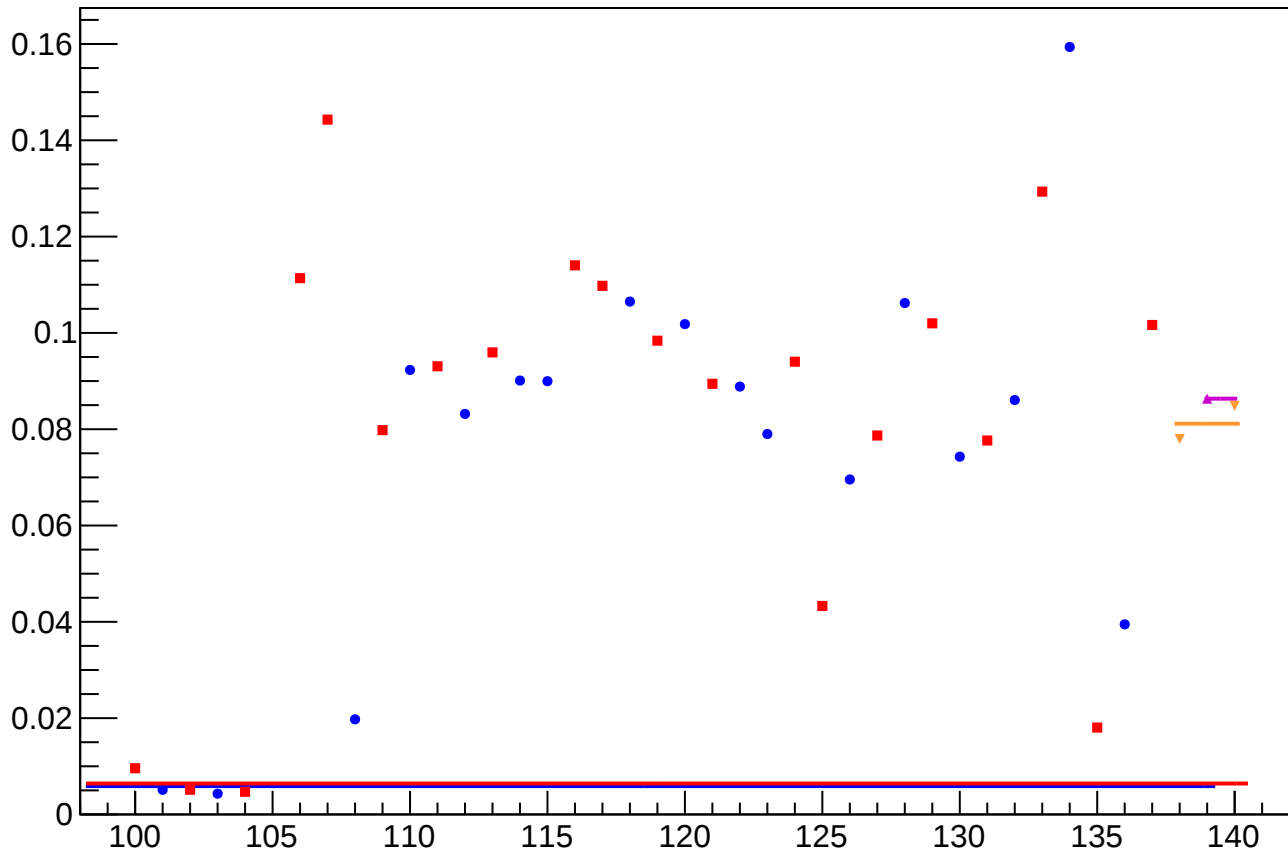
Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

-5.925+/-0.000 χ^2/NDF : 28869931263.5/3

-5.909+/-0.000 χ^2/NDF : 14900887264.1/20

Left In: -3.931+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.081+/-0.000 χ^2/NDF : 4768.6/1

Right Out: 0.006+/-0.000 χ^2/NDF : 8558731.2/19

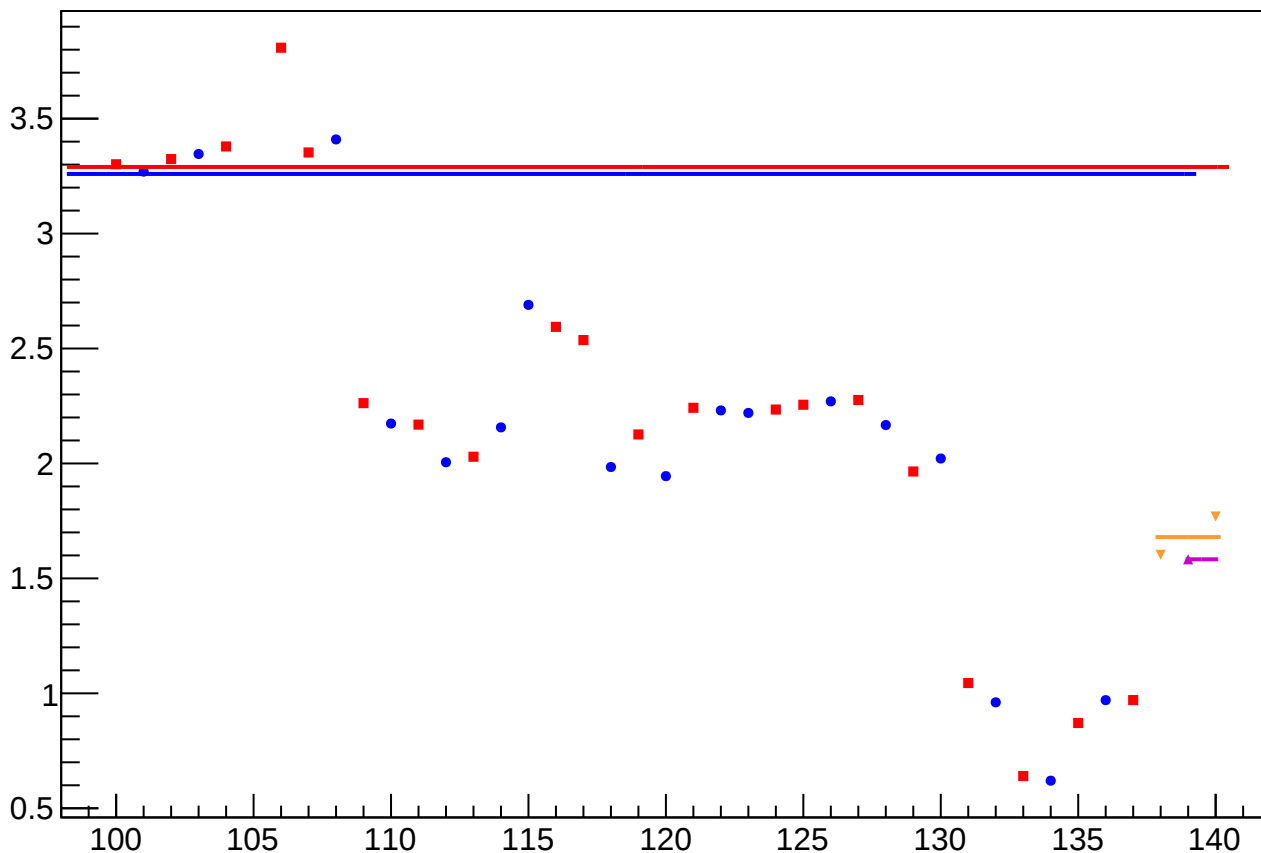
Left In: 0.086+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 10217829.5/18

0.006+/-0.000 χ^2/NDF : 19604828.5/39

0.007+/-0.000 χ^2/NDF : 9381853.6/20

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.680+/-0.000 χ^2/NDF :1225519.2/1

Right Out: 3.290+/-0.000 χ^2/NDF : 3263300926.6/19

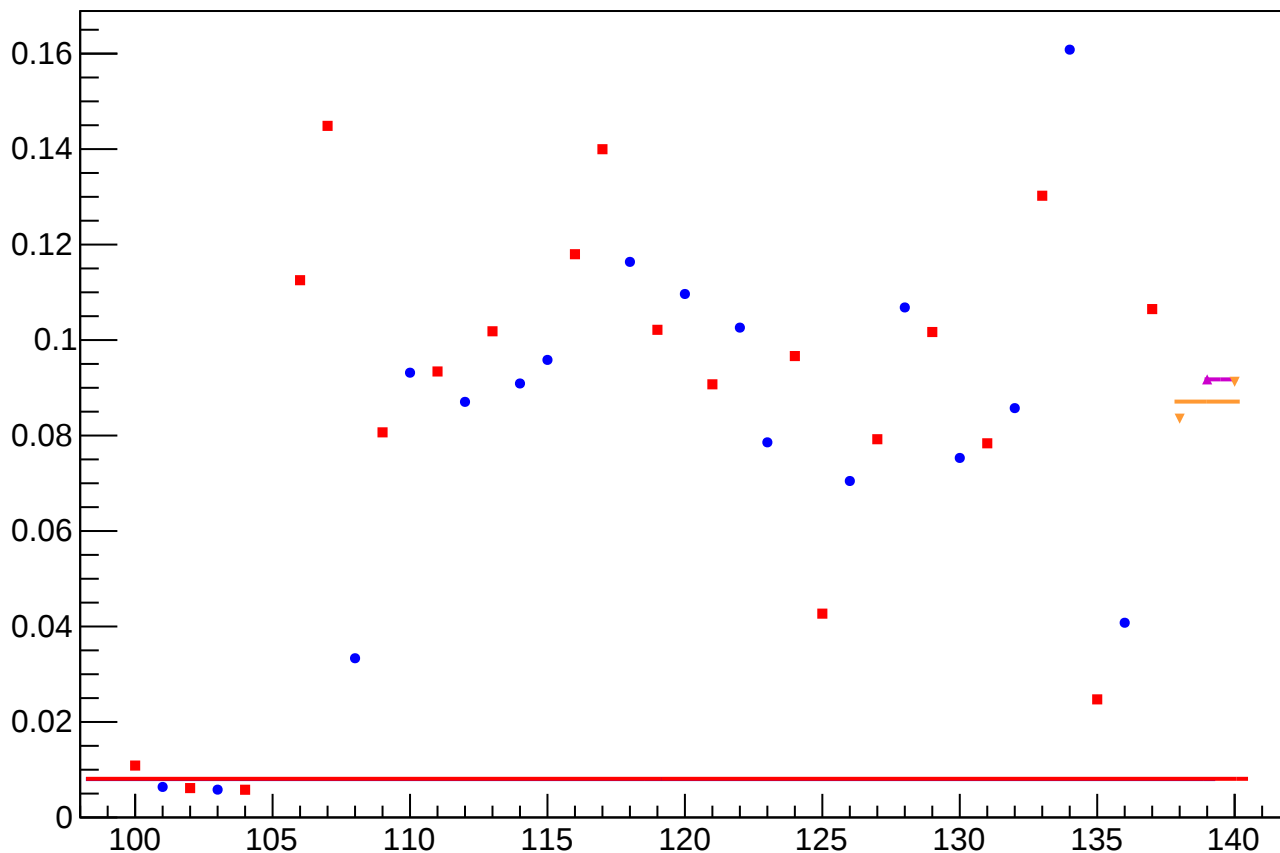
Left In: 1.583+/-0.000 χ^2/NDF :0.0/0

3.250+/-0.000 χ^2/NDF : 3363310522.0/18

3.267+/-0.000 χ^2/NDF : 6814793125.4/39

3.286+/-0.000 χ^2/NDF : 3433156479.3/20

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.087+/-0.000 χ^2/NDF : 5268.1/1

Right Out: 0.008+/-0.000 χ^2/NDF : 8375005.0/19

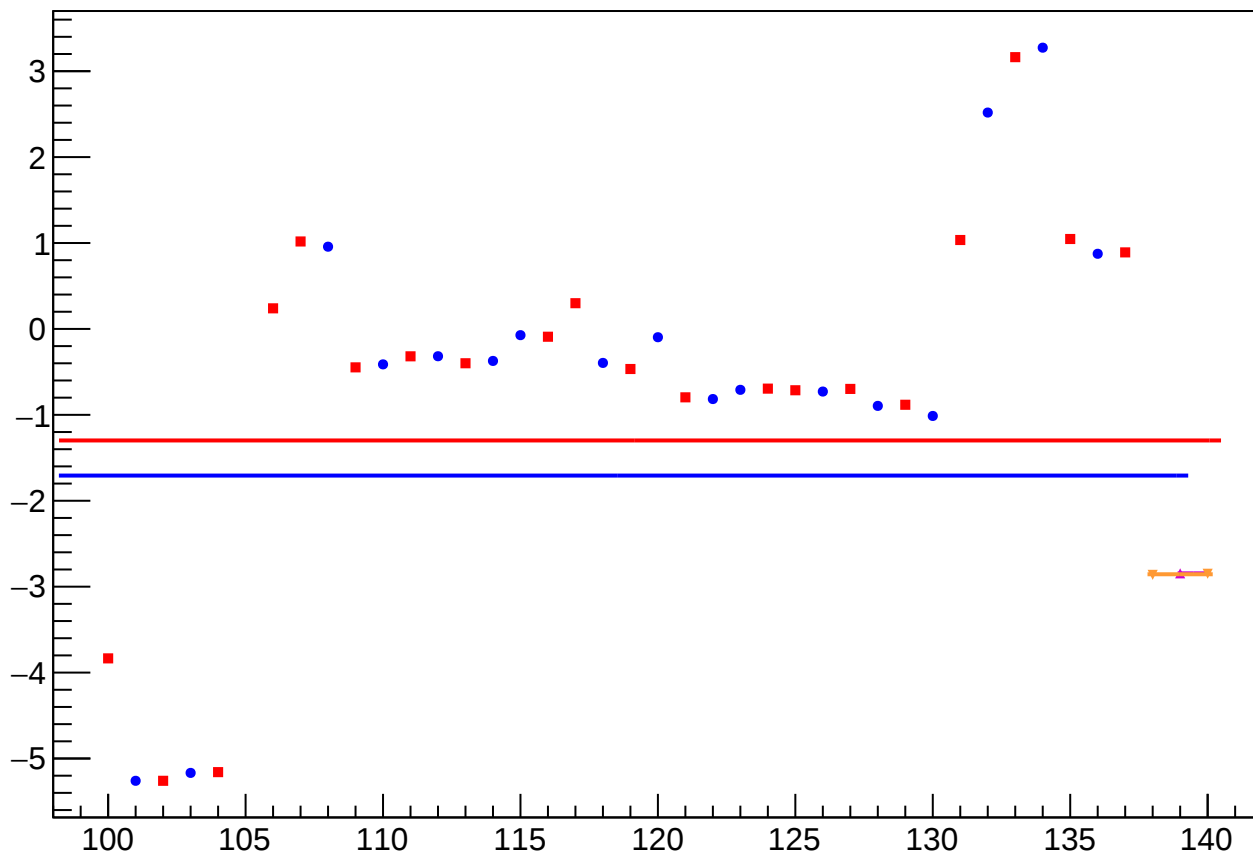
Left In: 0.092+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 9952813.8/18

0.008+/-0.000 χ^2/NDF : 19145832.4/39

0.008+/-0.000 χ^2/NDF : 9191330.9/20

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.856+/-0.000 χ^2/NDF : 1091545.2/1

-2.323+/-0.000 χ^2/NDF : 182347826964.4/18

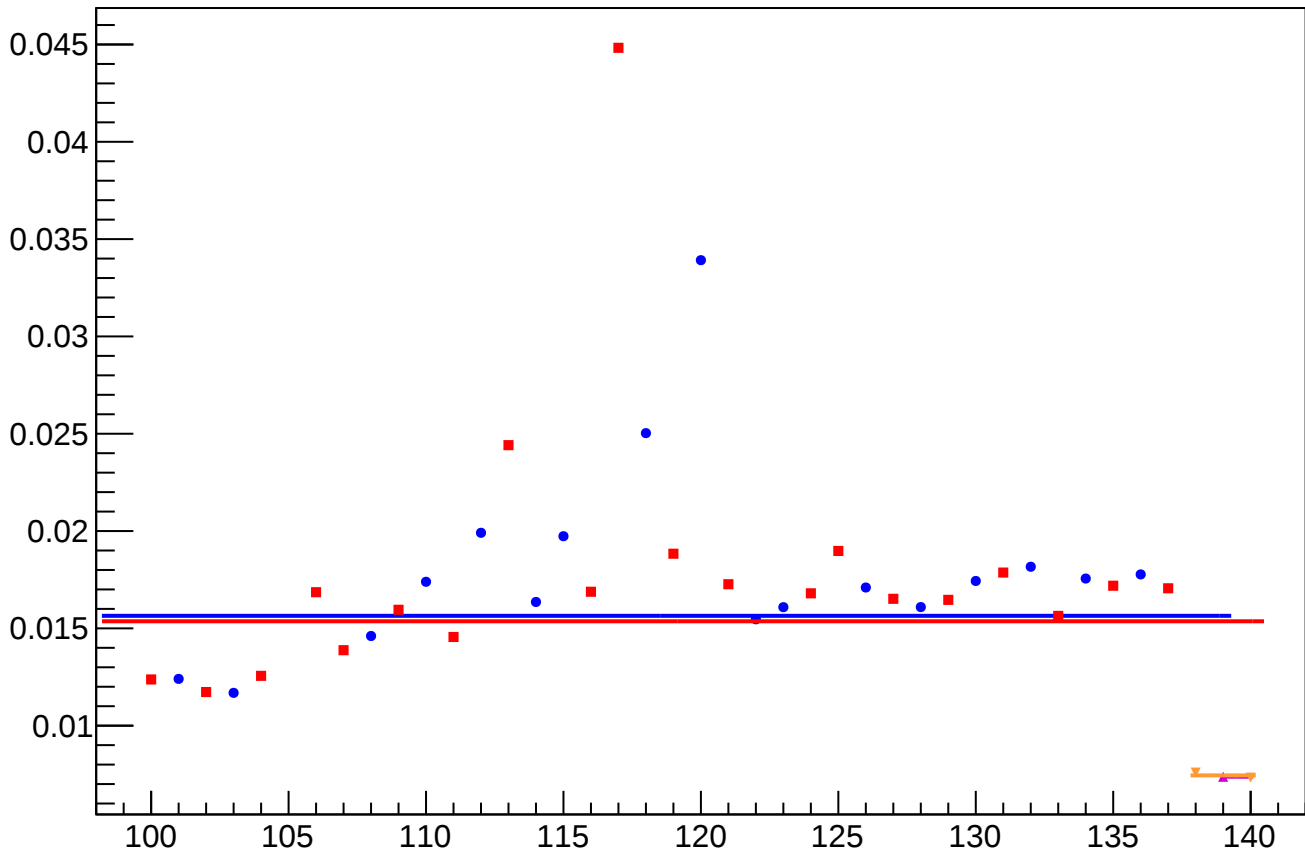
Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

-2.089+/-0.000 χ^2/NDF : 386638291762.8

-1.789+/-0.000 χ^2/NDF : 198103276715.6/20

Left In: -2.845+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.007+/-0.000 χ^2/NDF : 895.8/1

Right Out: 0.015+/-0.000 χ^2/NDF : 387283.2/19

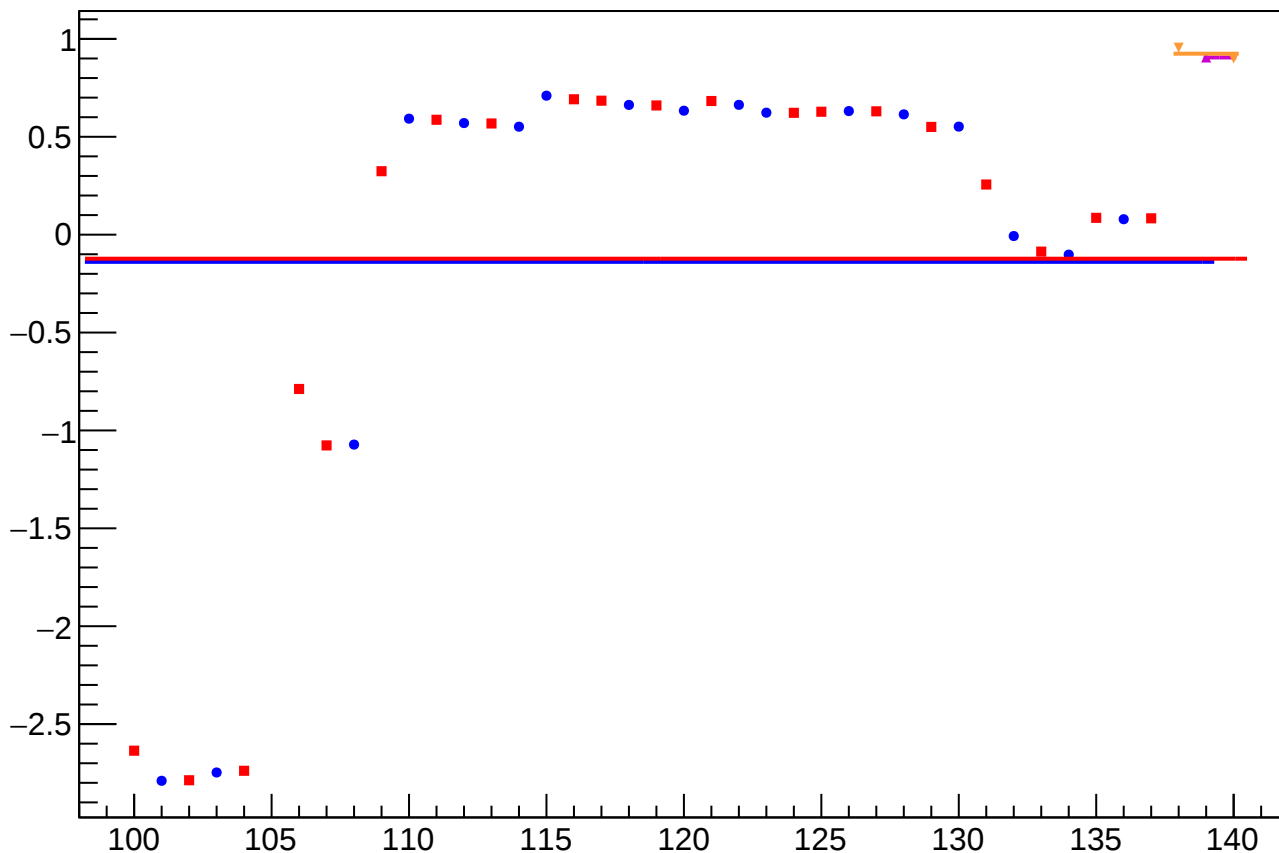
Left In: 0.007+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 2231907.0/18

0.012+/-0.000 χ^2/NDF : 3795427.3/39

0.013+/-0.000 χ^2/NDF : 1454756.7/20

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.924+/-0.000 χ^2/NDF :22321686.1/1

-0.081+/-0.000 χ^2/NDF : 746675476993.0/18

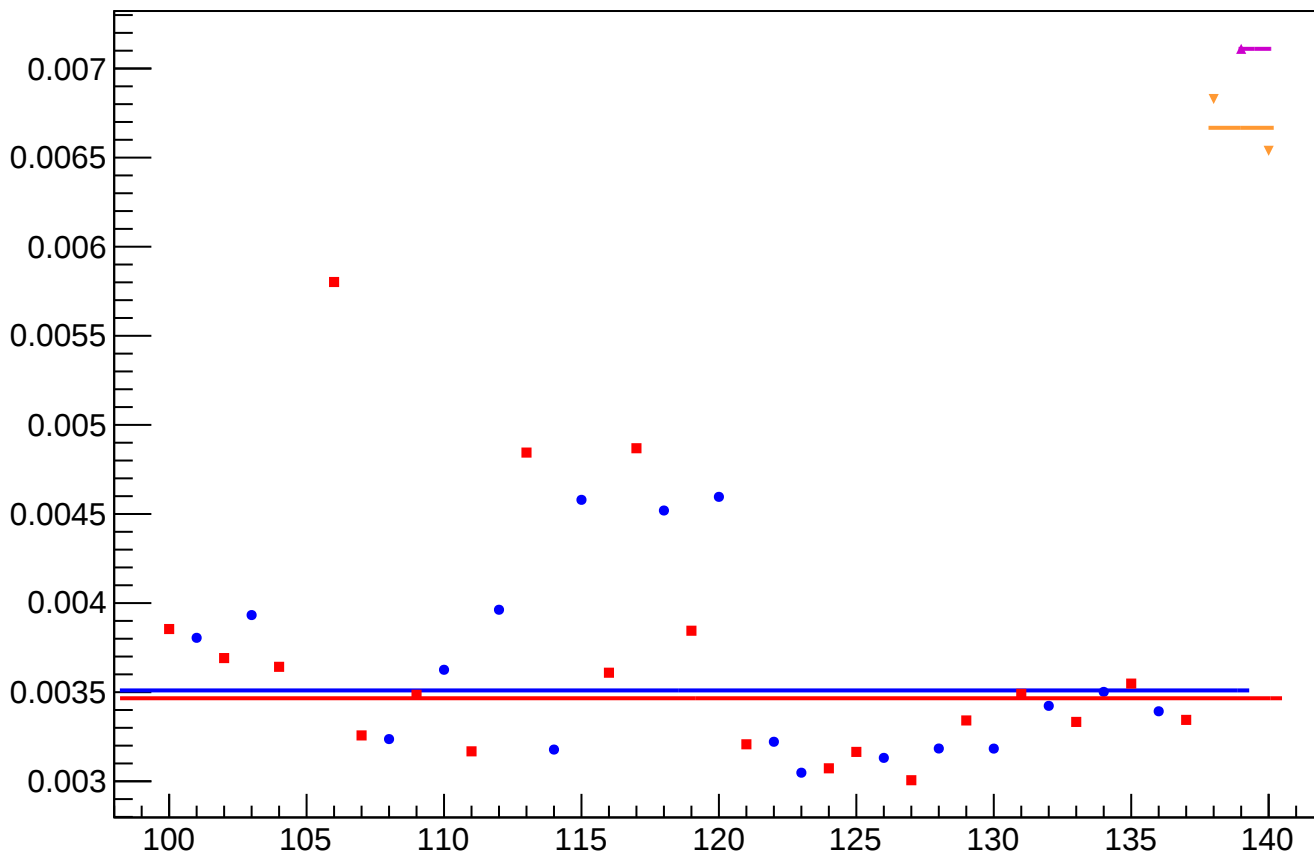
Right Out: -0.123+/-0.000 χ^2/NDF : 762580598699.5/19

-0.091+/-0.000 χ^2/NDF : 1521596814958.0/18

-0.102+/-0.000 χ^2/NDF : 774799933465.7/20

Left In: 0.905+/-0.000 χ^2/NDF :0.0/0

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1233.1/1

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

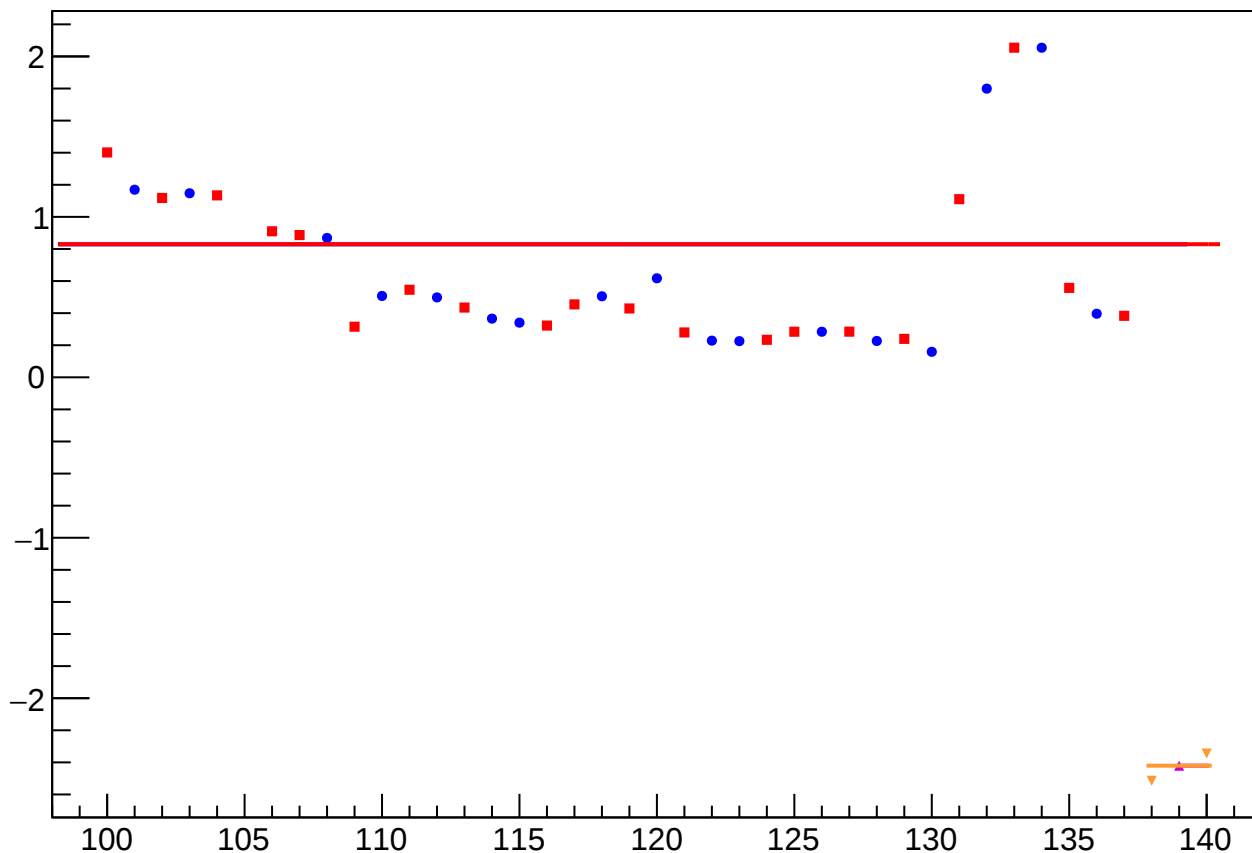
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.004 $\pm$ 0.000 χ^2 /NDF: 729983.4/18

0.004 $\pm$ 0.000 χ^2 /NDF: 1270782.0/39

0.004 $\pm$ 0.000 χ^2 /NDF: 529667.7/20

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829 $\pm$ 0.000 χ^2 /NDF: 31718573821.2/16

Left Out: -2.421 $\pm$ 0.000 χ^2 /NDF: 218422088.9/1

Right Out: 0.830 $\pm$ 0.000 χ^2 /NDF: 33349713412.0/19

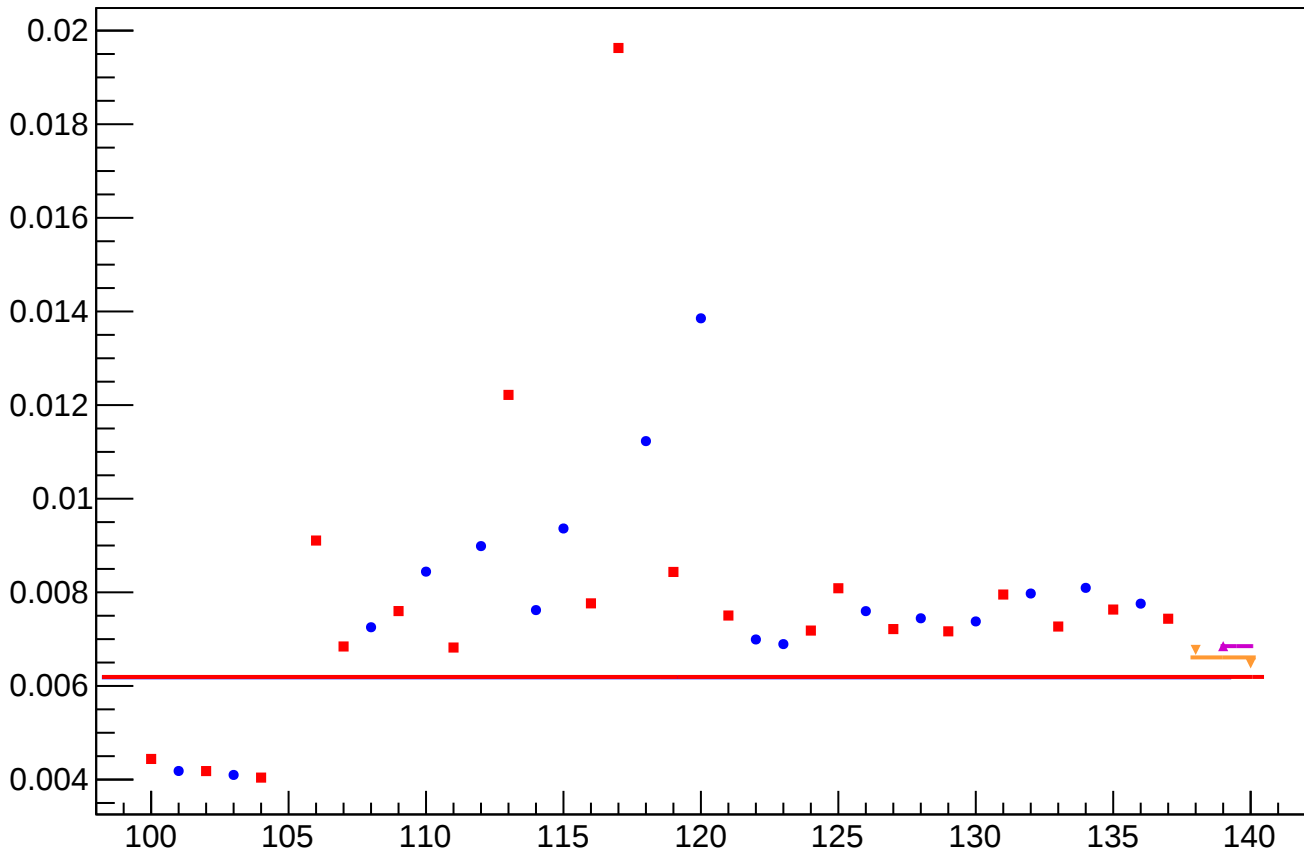
Left In: -2.421 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.242 $\pm$ 0.000 χ^2 /NDF: 296959205221.4/18

0.406 $\pm$ 0.000 χ^2 /NDF: 465477046019.6/19

0.575 $\pm$ 0.000 χ^2 /NDF: 159264635806.6/20

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.007+/-0.000 χ^2/NDF :1264.0/1

Right Out: 0.006+/-0.000 χ^2/NDF : 1062886.2/19

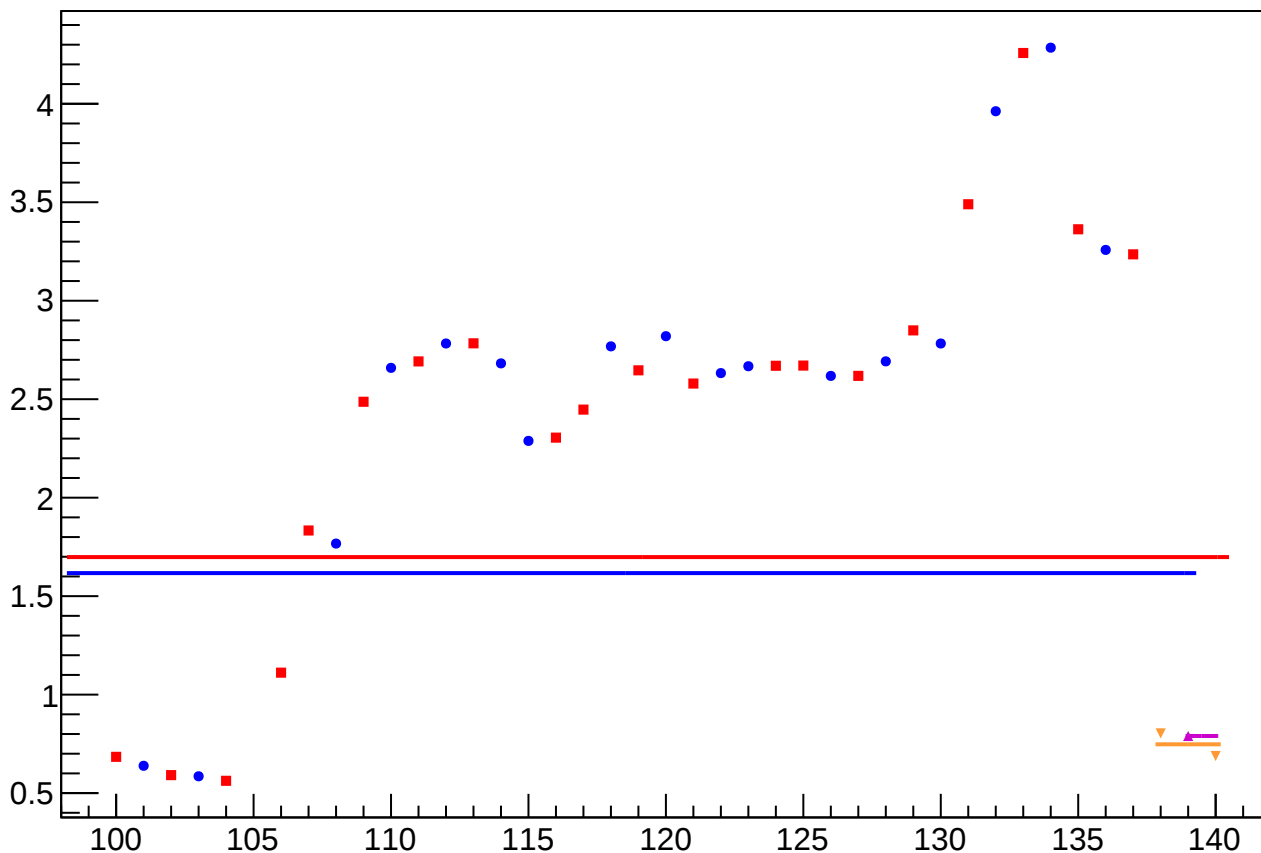
Left In: 0.007+/-0.000 χ^2/NDF :0.0/0

0.006+/-0.000 χ^2/NDF : 1239289.1/18

0.006+/-0.000 χ^2/NDF : 2312550.2/39

0.006+/-0.000 χ^2/NDF : 1073210.4/20

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 0.748+/-0.000 χ^2/NDF :110314774.0/1

1.452+/-0.000 χ^2/NDF : 223539763352.3/18

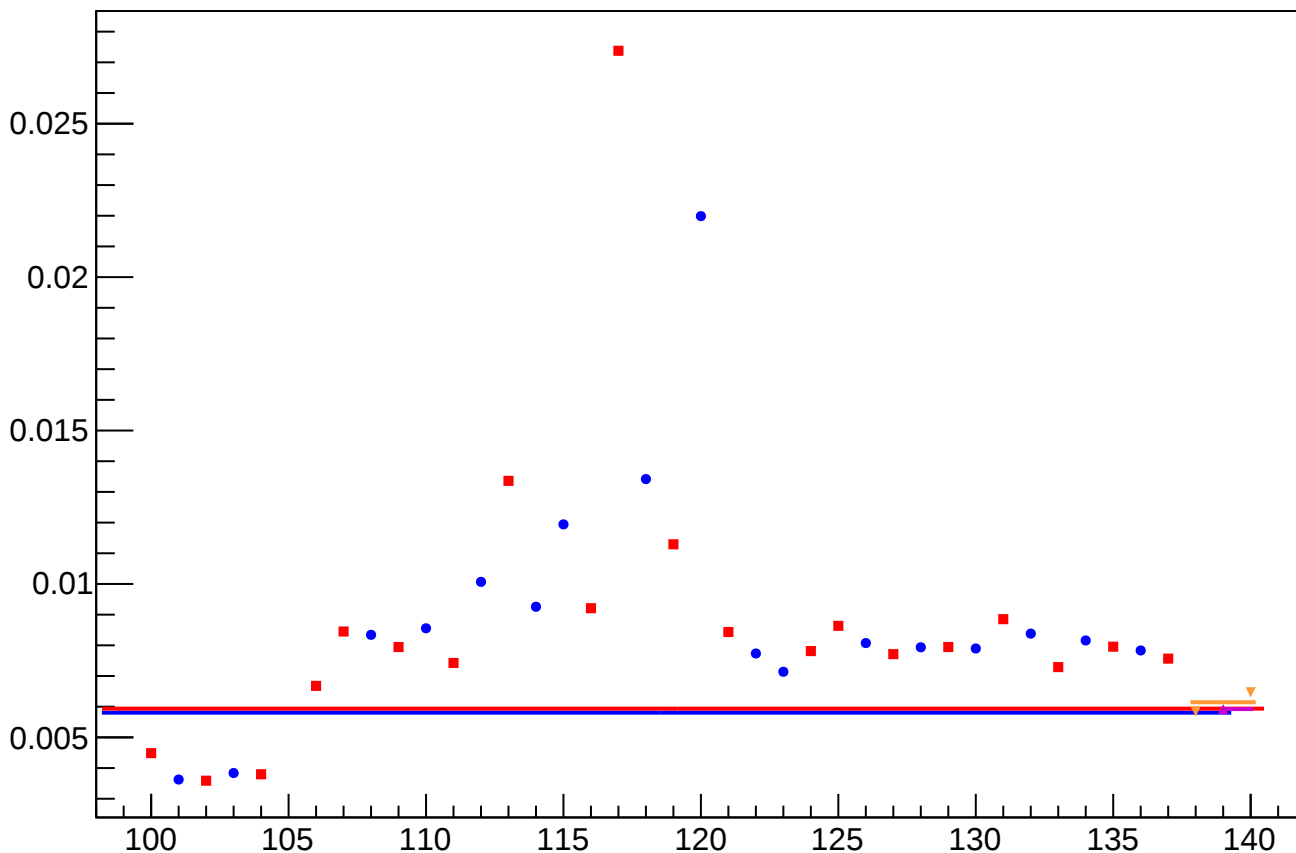
1.530+/-0.000 χ^2/NDF : 465258464772.3/18

Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.611+/-0.000 χ^2/NDF : 239538276118.2/20

Left In: 0.790+/-0.000 χ^2/NDF :0.0/0

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 6580.9/1

Right Out: 0.006+/-0.000 χ^2/NDF : 1731283.0/19

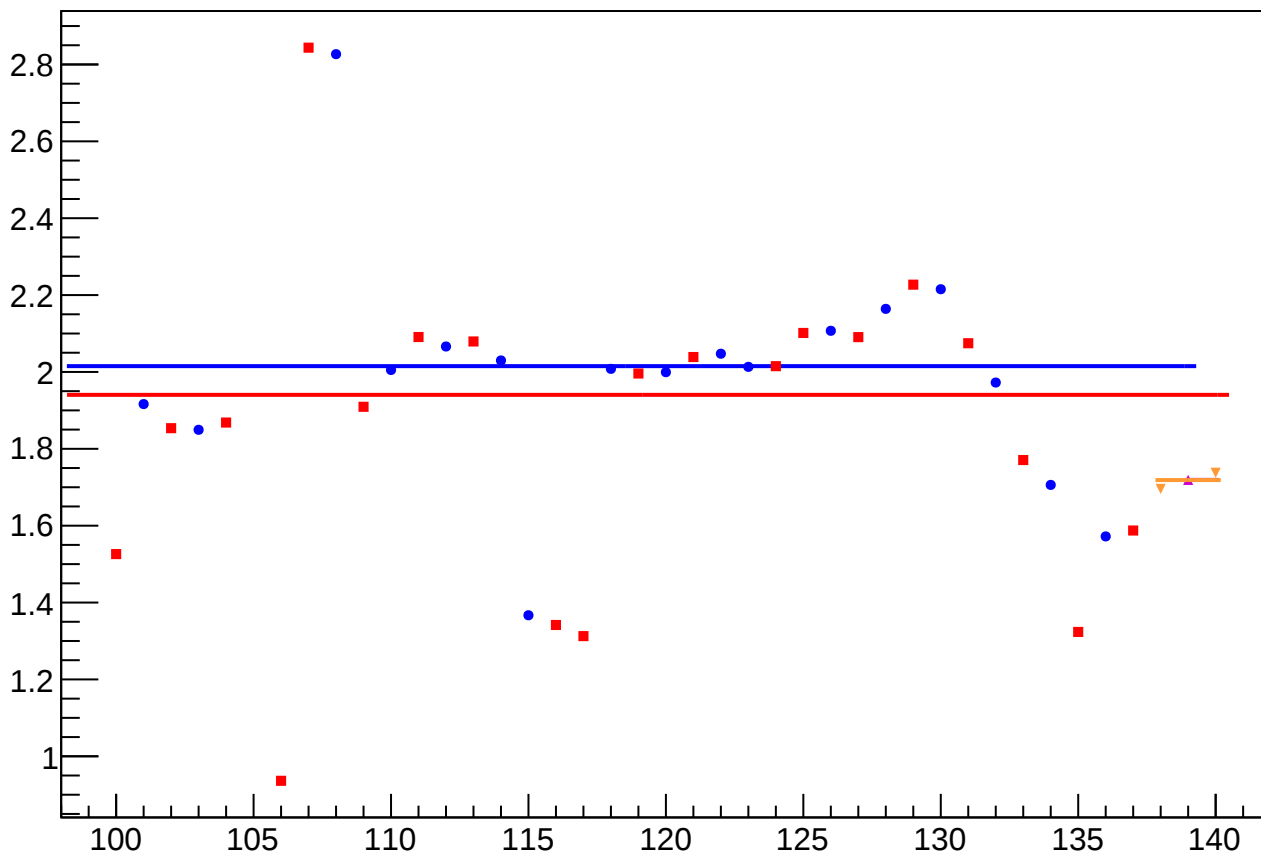
Left In: 0.006+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 1930865.7/18

0.006+/-0.000 χ^2/NDF : 3662903.5/39

0.006+/-0.000 χ^2/NDF : 1731289.1/20

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 1.719+/-0.000 χ^2/NDF : 8983683.1/1

Right Out: 1.940+/-0.000 χ^2/NDF : 21732099424.5/19

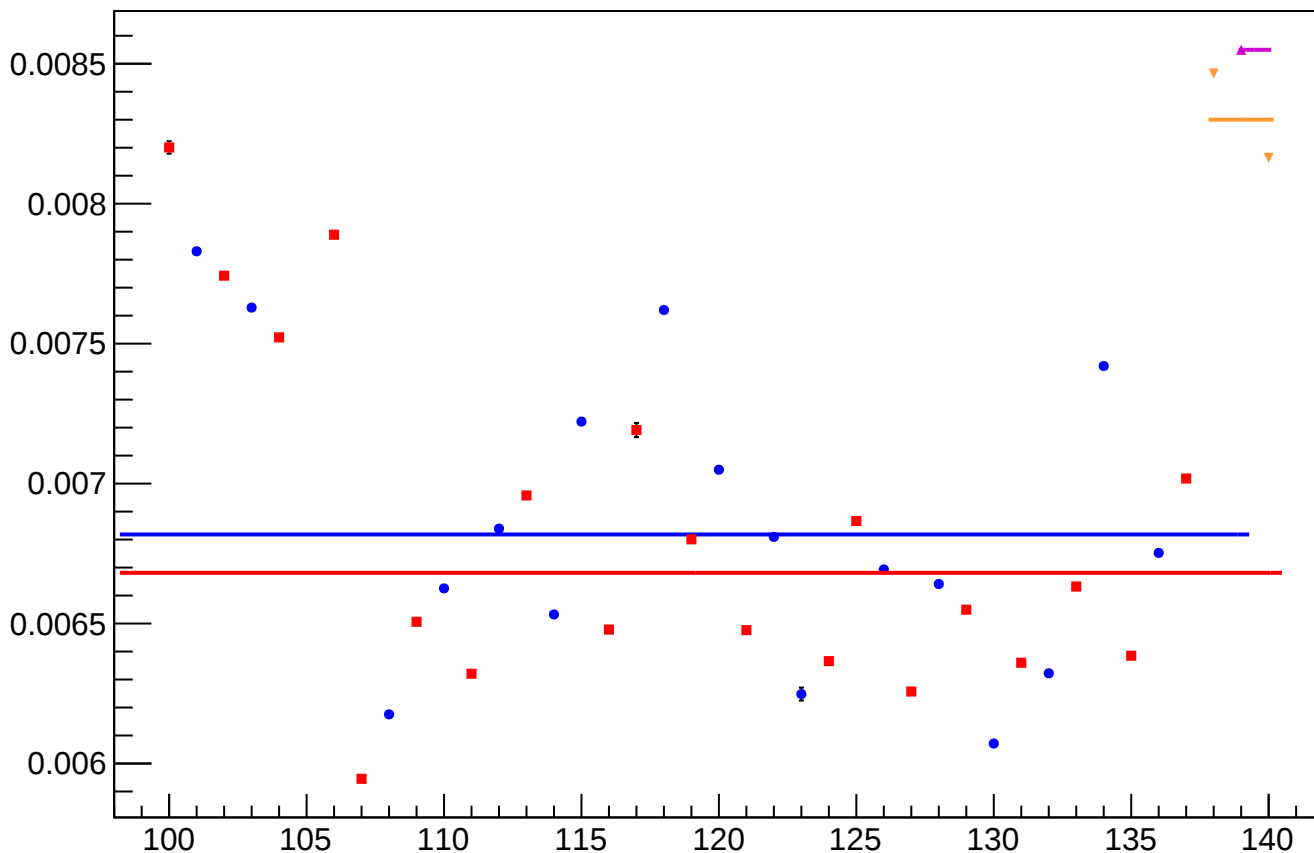
Left In: 1.719+/-0.000 χ^2/NDF : 0.0/0

1.976+/-0.000 χ^2/NDF : 13807482752.6/18

1.952+/-0.000 χ^2/NDF : 36132905611.0/3

1.928+/-0.000 χ^2/NDF : 22141197484.9/20

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 75813.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 925.6/1

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 76121.2/19

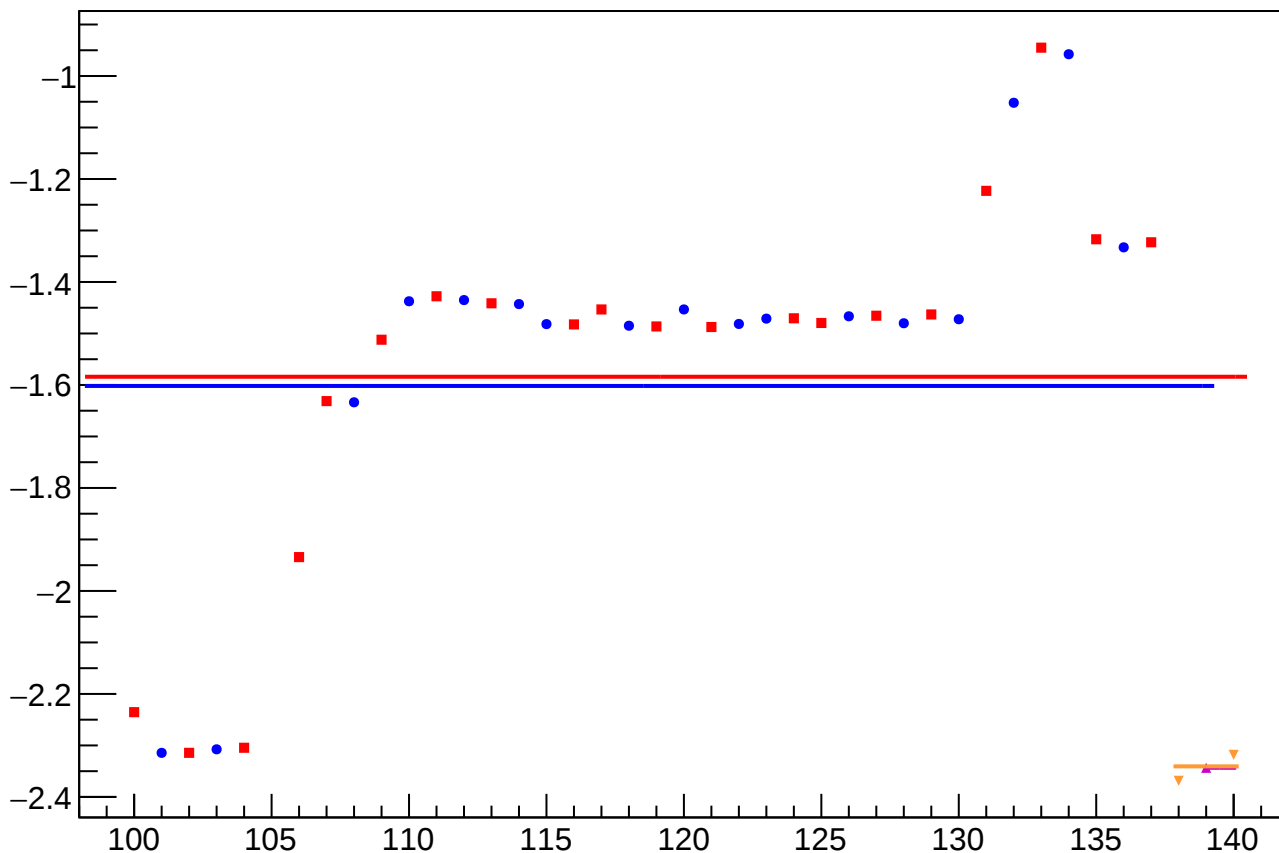
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.007 $\pm$ 0.000 χ^2/NDF : 155236.3/18

0.007 $\pm$ 0.000 χ^2/NDF : 298055.3/39

0.007 $\pm$ 0.000 χ^2/NDF : 134489.1/20

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.341+/-0.000 χ^2/NDF : 107758809.7/1

-1.720+/-0.000 χ^2/NDF : 219033356225.9/18

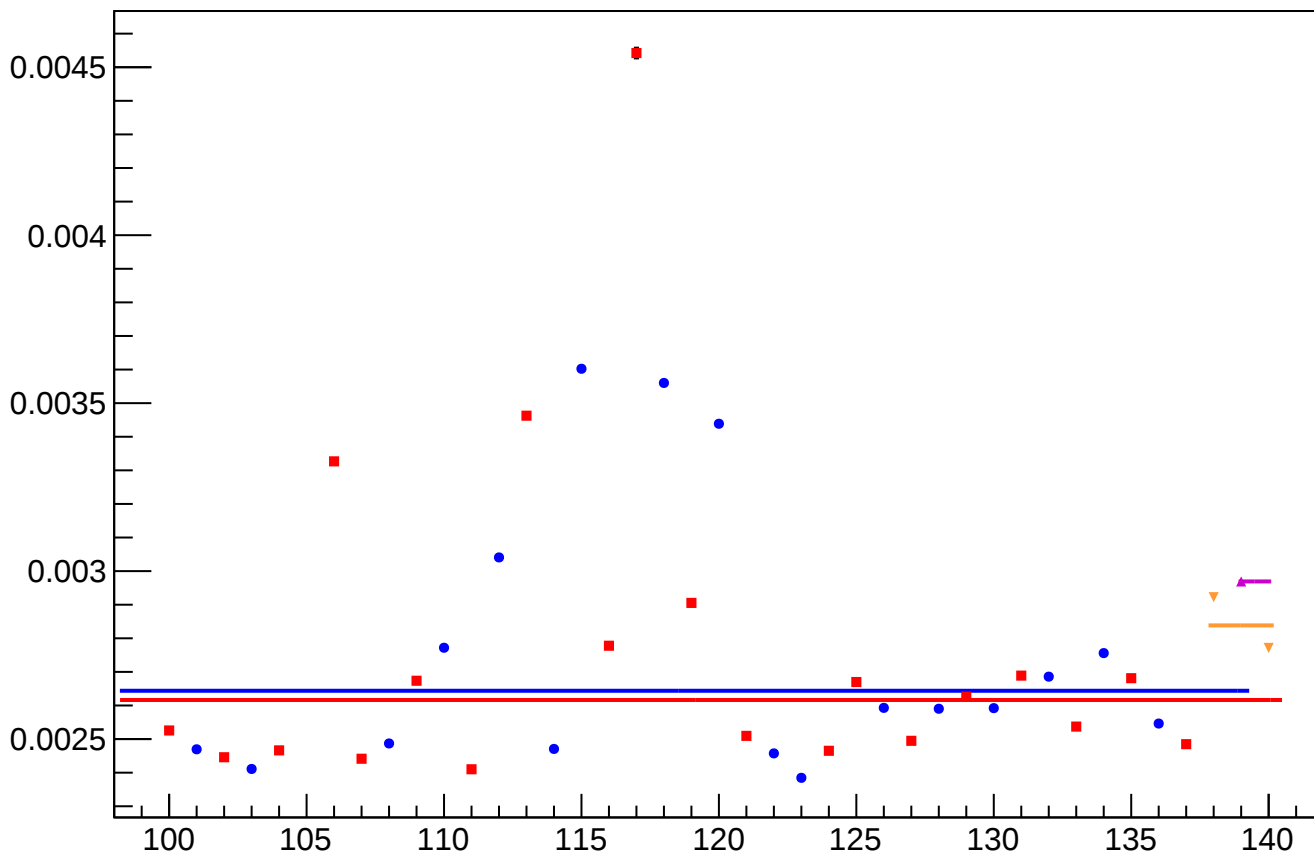
Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

-1.679+/-0.000 χ^2/NDF : 405082497133.3

-1.636+/-0.000 χ^2/NDF : 182257989511.9/20

Left In: -2.343+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 151383.5/16

Left Out: 0.003+/-0.000 χ^2/NDF :1933.5/1

Right Out: 0.003+/-0.000 χ^2/NDF : 119852.1/19

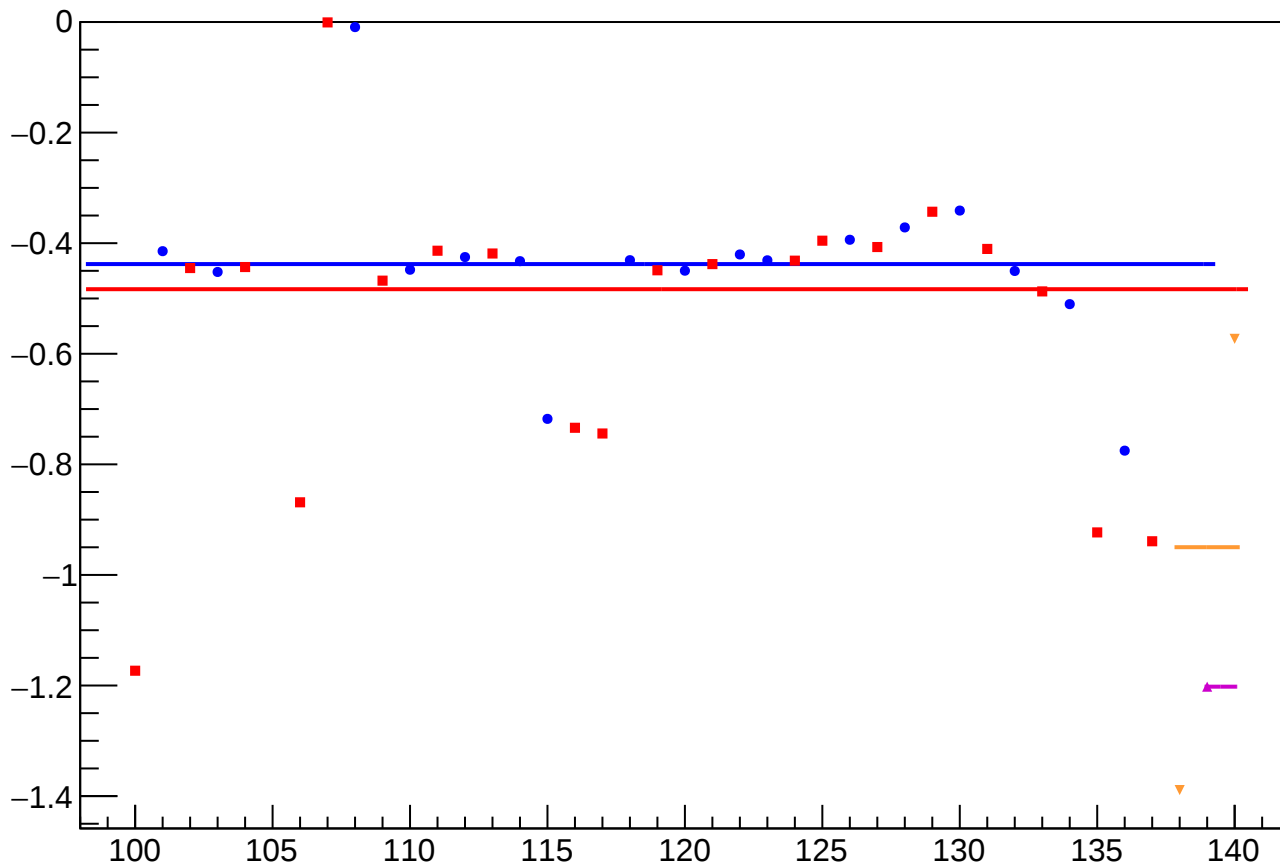
Left In: 0.003+/-0.000 χ^2/NDF :0.0/0

0.003+/-0.000 χ^2/NDF : 164240.6/18

0.003+/-0.000 χ^2/NDF : 302044.3/39

0.003+/-0.000 χ^2/NDF : 136537.3/20

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438 ± 0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.950 ± 0.000 χ^2/NDF : 1170323289.4/1

Right Out: -0.483 ± 0.000 χ^2/NDF : 2714164016.2/19

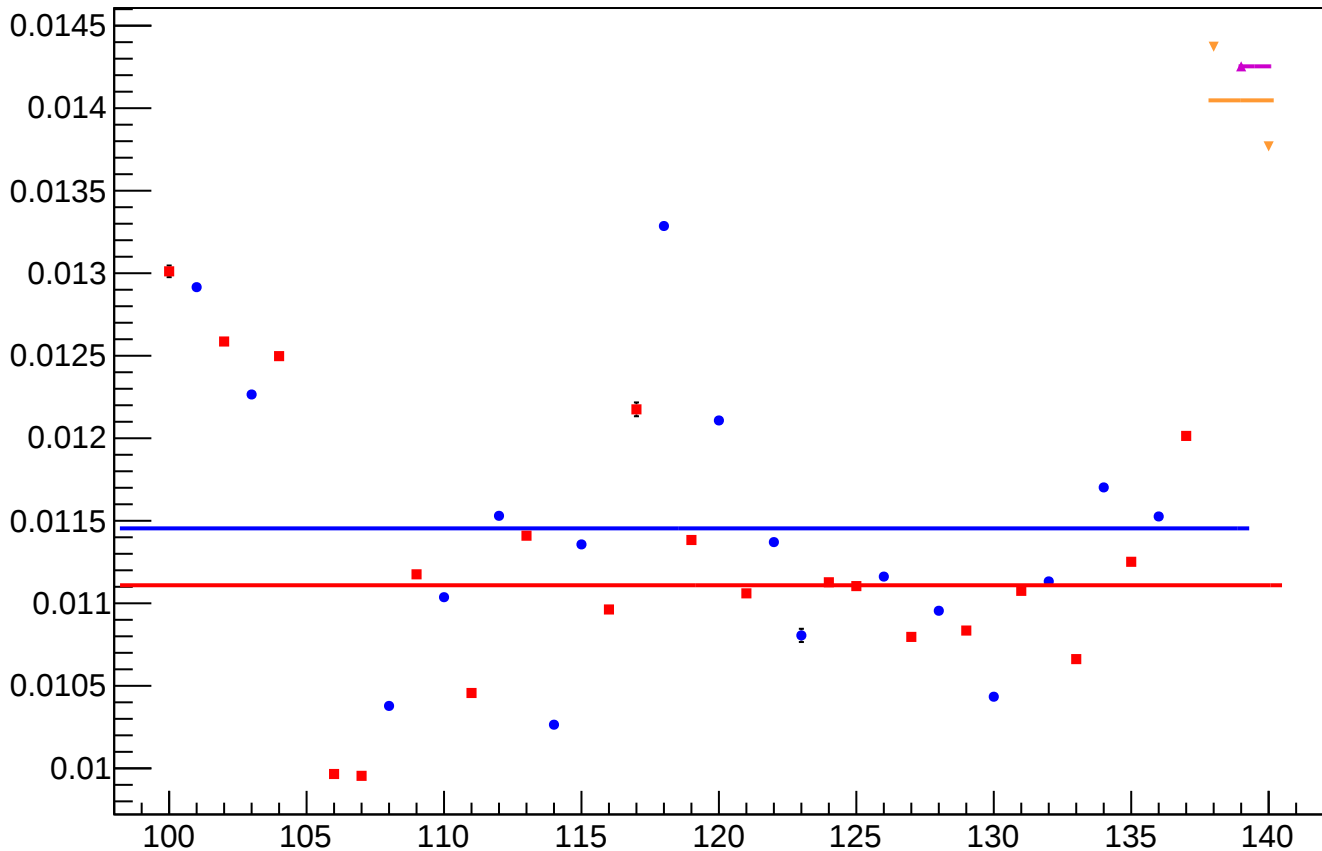
Left In: -1.202 ± 0.000 χ^2/NDF : 0.0/0

-0.502 ± 0.000 χ^2/NDF : 4254216416.6/18

-0.512 ± 0.000 χ^2/NDF : 8550913527.6/39

-0.522 ± 0.000 χ^2/NDF : 4285214348.6/20

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 64687.8/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:1281.7/1

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 56696.9/19

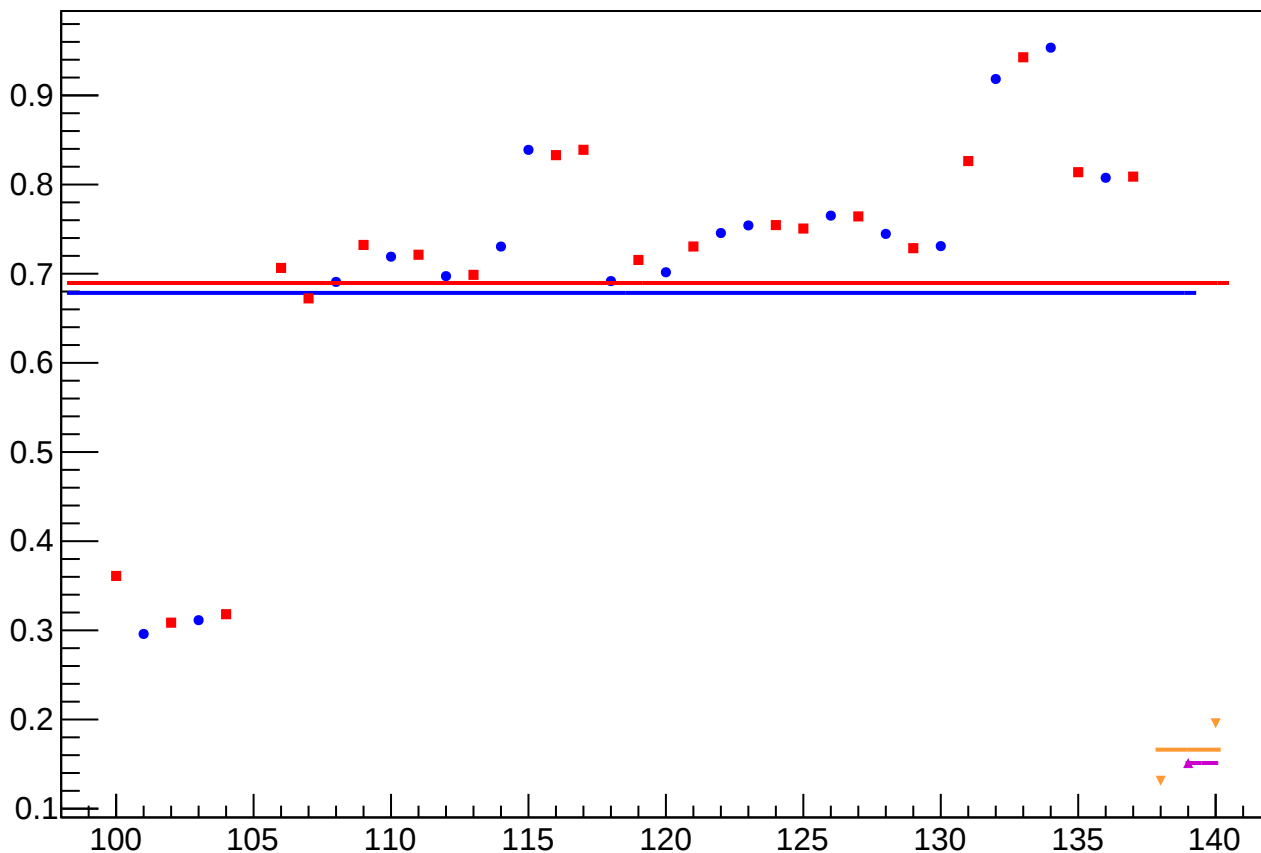
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 149155.4/18

0.012 $\pm$ 0.000 χ^2 /NDF: 280522.5/39

0.011 $\pm$ 0.000 χ^2 /NDF: 116811.2/20

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678+/-0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.166+/-0.000 χ^2/NDF : 366608481.9/1

0.546+/-0.000 χ^2/NDF : 107948342371.8/18

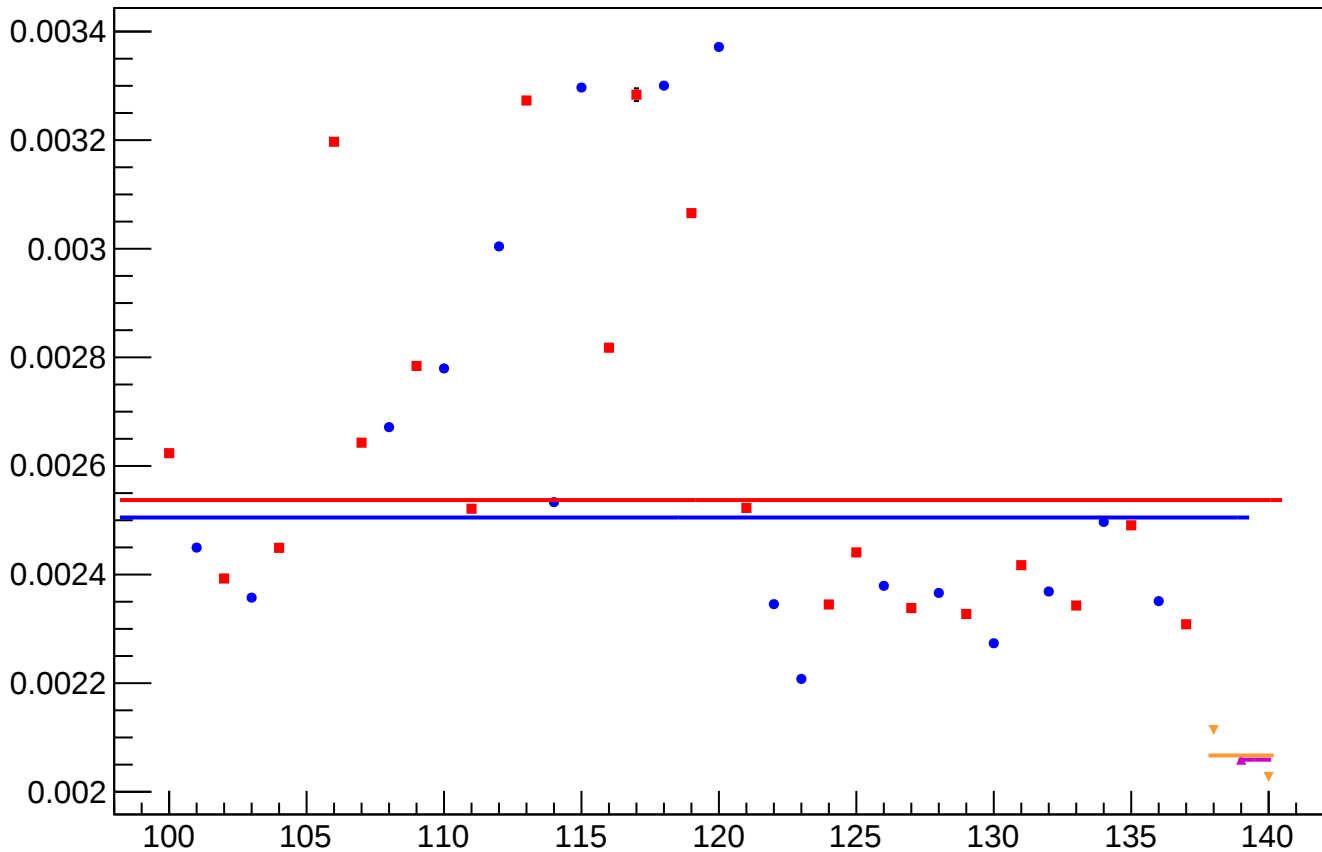
Right Out: 0.690+/-0.000 χ^2/NDF : 35439496983.3/19

0.580+/-0.000 χ^2/NDF : 186995015121.3/1

0.618+/-0.000 χ^2/NDF : 75671923562.7/20

Left In: 0.151+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1312.4/1

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 135649.7/19

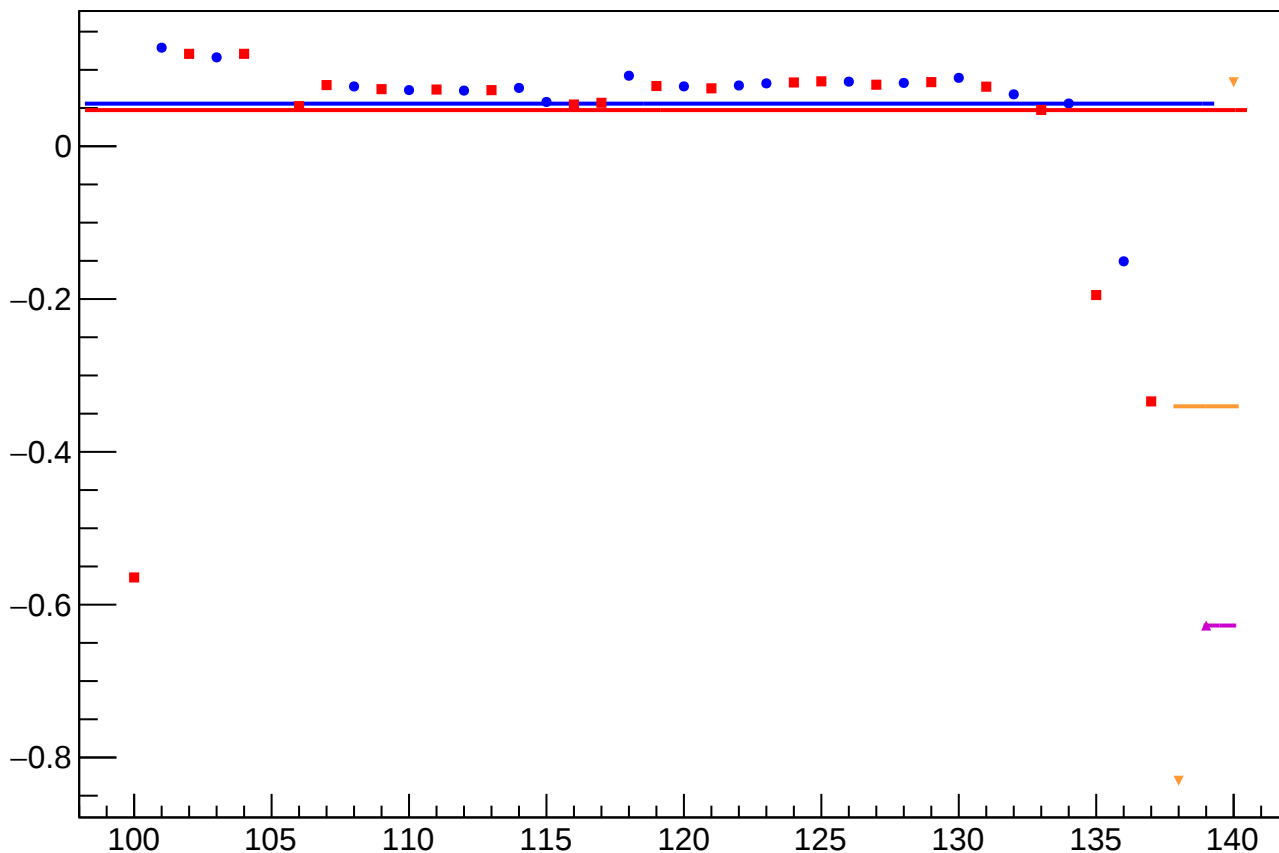
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.002 $\pm$ 0.000 χ^2 /NDF: 277893.8/18

0.002 $\pm$ 0.000 χ^2 /NDF: 485677.9/39

0.002 $\pm$ 0.000 χ^2 /NDF: 199093.2/20

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 423003688.1/16

Left Out: -0.340 $\pm$ 0.000 χ^2 /NDF:1813014681.2/1

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 819626031.7/19

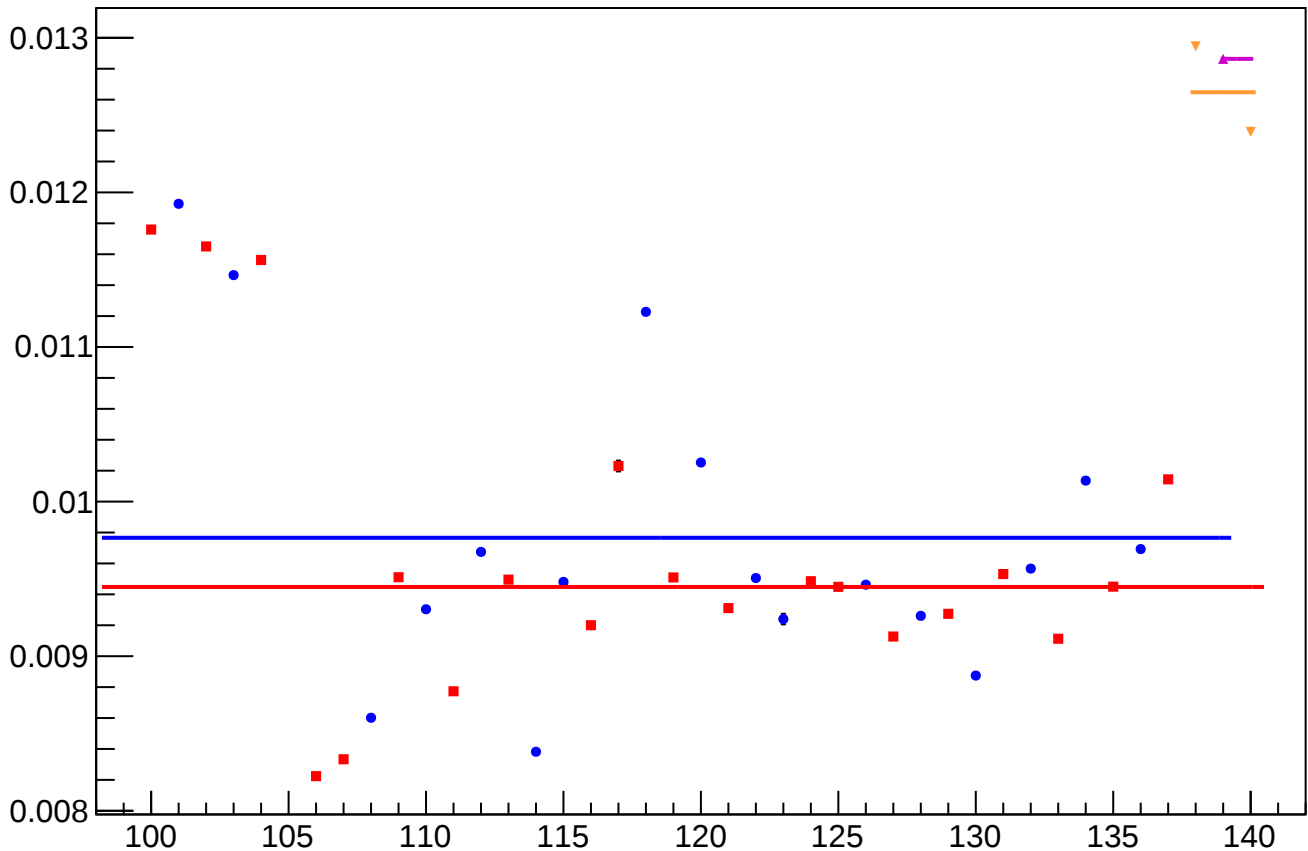
Left In: -0.627 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.010 $\pm$ 0.000 χ^2 /NDF: 3447906997.4/18

0.013 $\pm$ 0.000 χ^2 /NDF: 5984318479.1/39

0.015 $\pm$ 0.000 χ^2 /NDF: 2535719144.9/20

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.013+/-0.000 χ^2/NDF : 1326.9/1

Right Out: 0.009+/-0.000 χ^2/NDF : 111197.0/19

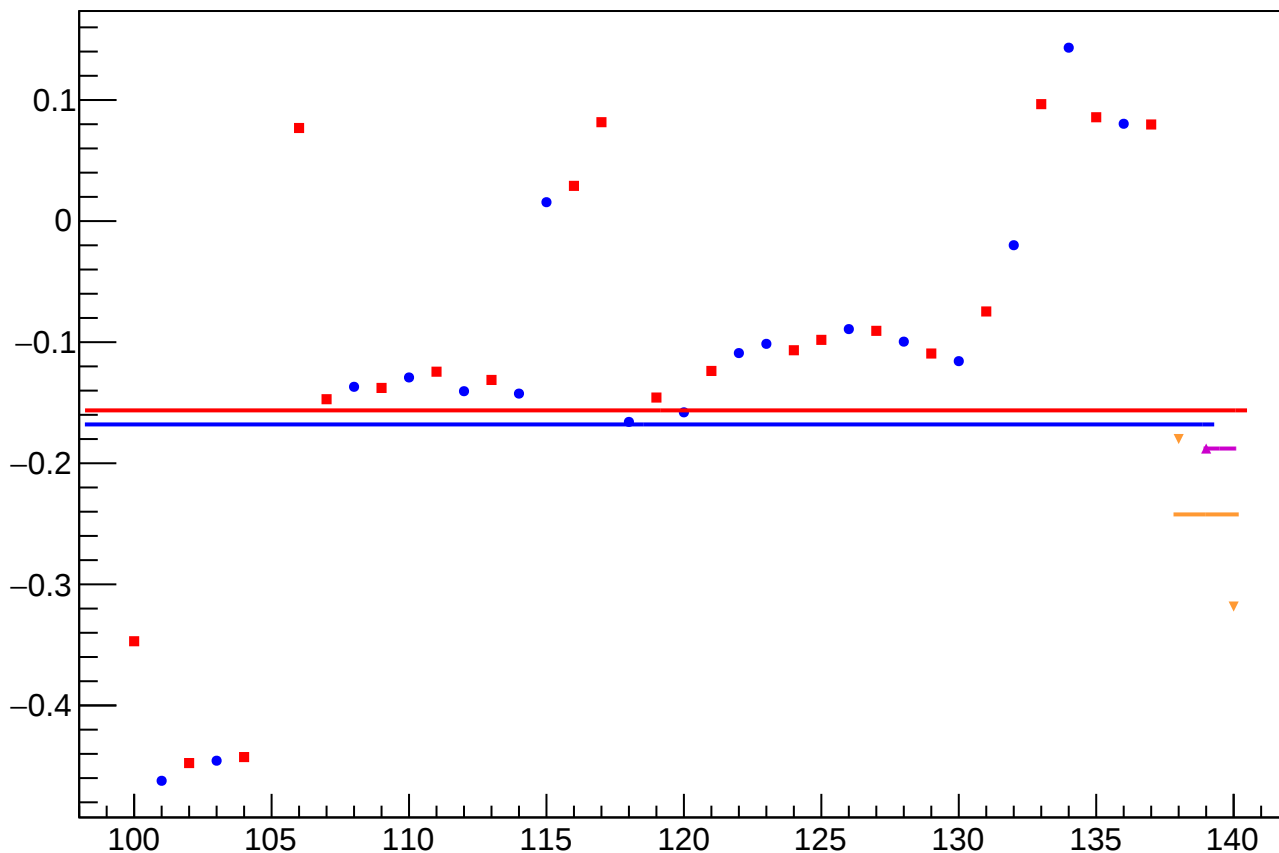
Left In: 0.013+/-0.000 χ^2/NDF : 0.0/0

0.010+/-0.000 χ^2/NDF : 246263.4/18

0.010+/-0.000 χ^2/NDF : 463813.3/39

0.010+/-0.000 χ^2/NDF : 199200.0/20

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.242+/-0.000 χ^2/NDF : 803341673.4/1

-0.194+/-0.000 χ^2/NDF : 13741879975.7/18

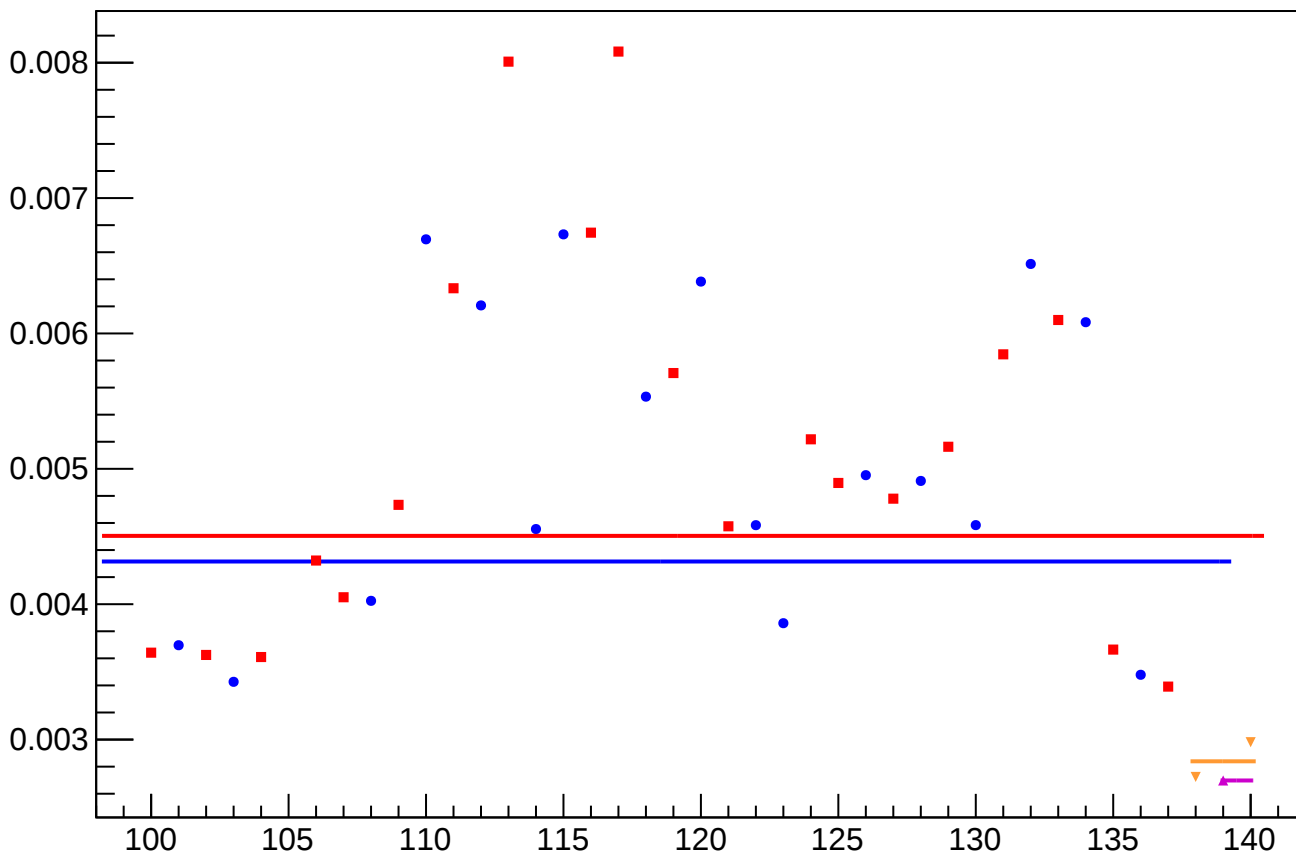
Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

-0.180+/-0.000 χ^2/NDF : 25077044811.1/3

-0.164+/-0.000 χ^2/NDF : 11130843275.7/20

Left In: -0.188+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF : 5525.8/1

Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

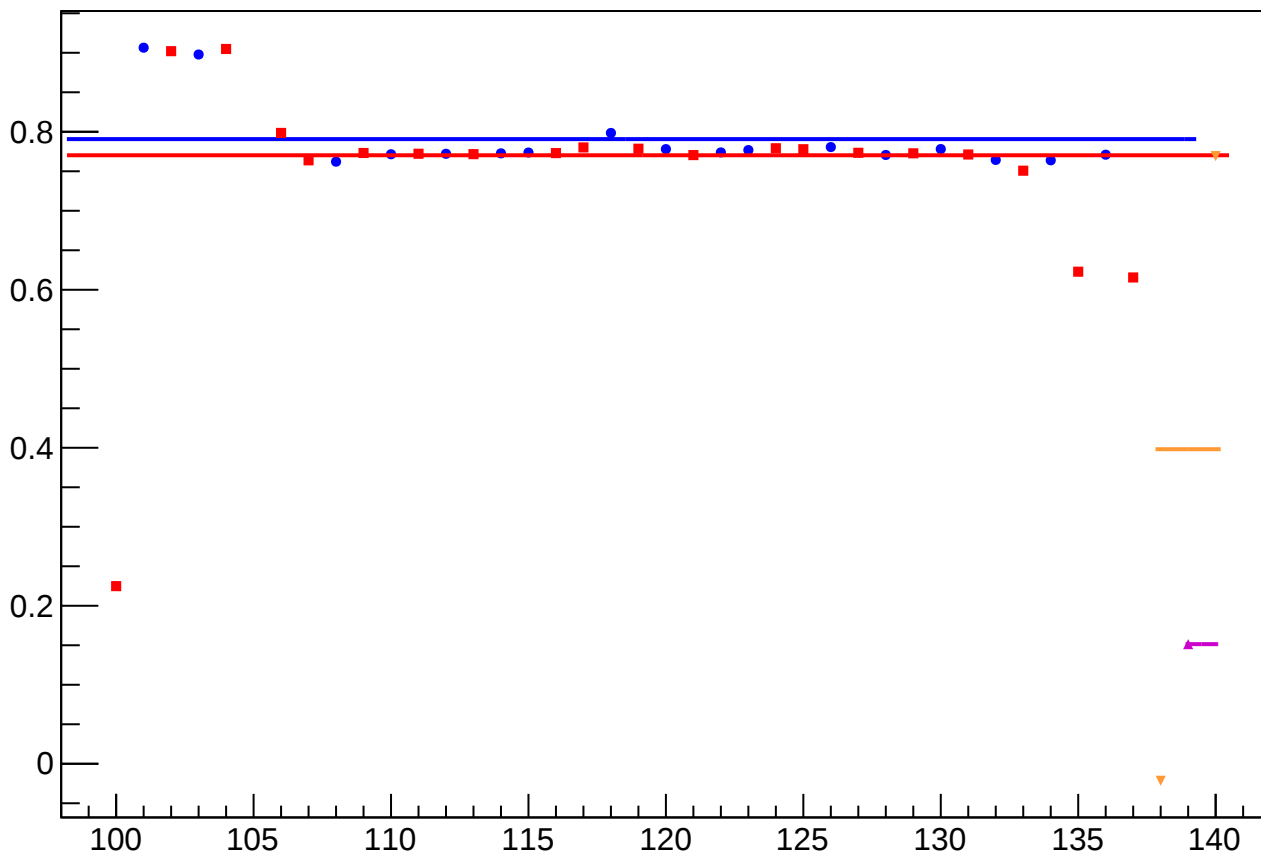
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 1103881.0/18

0.004+/-0.000 χ^2/NDF : 2266152.5/39

0.004+/-0.000 χ^2/NDF : 1123688.0/20

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791±/-0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.398±/-0.000 χ^2/NDF : 1464351857.4/1

Right Out: 0.770±/-0.000 χ^2/NDF : 375473971.0/19

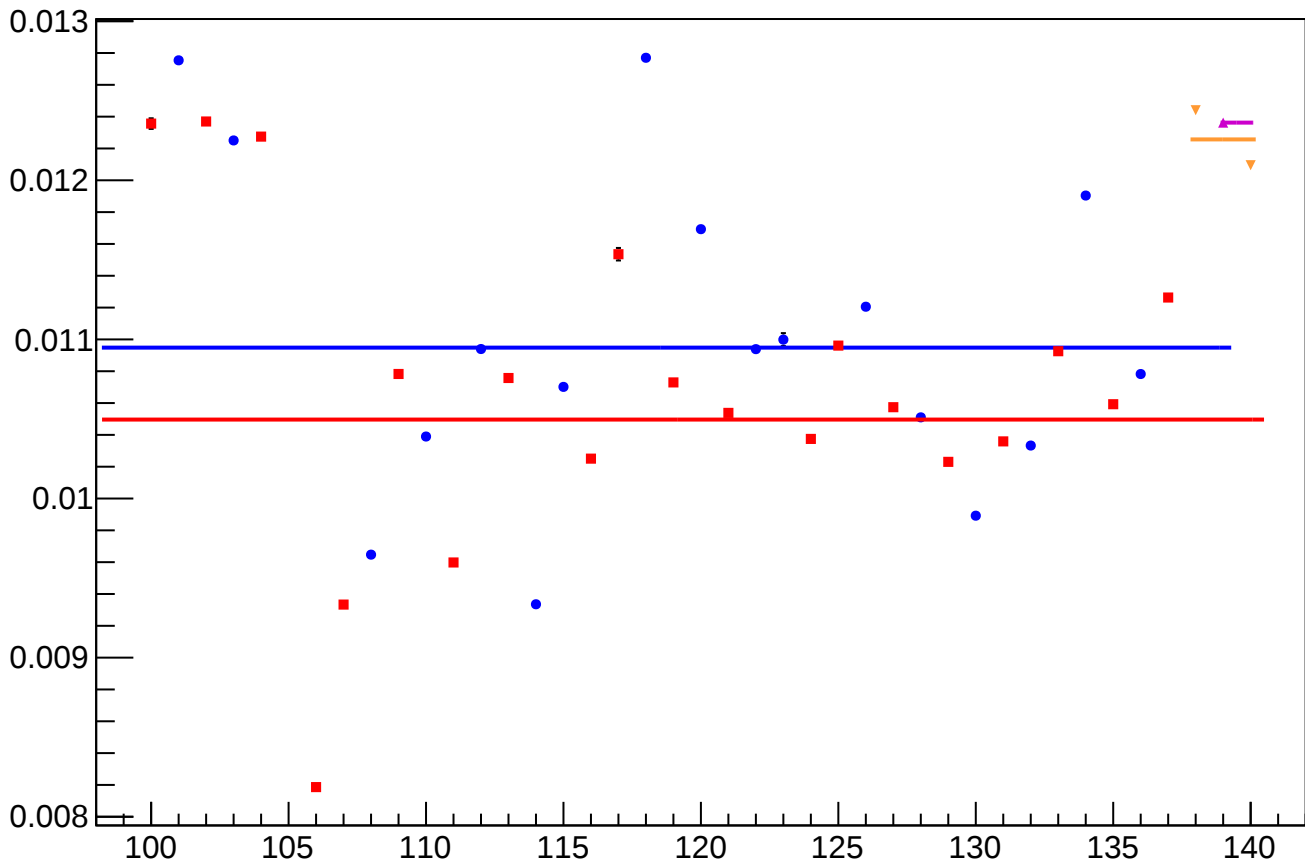
Left In: 0.151±/-0.000 χ^2/NDF : 0.0/0

0.732±/-0.000 χ^2/NDF : 2804449511.5/18

0.731±/-0.000 χ^2/NDF : 4726287881.5/39

0.731±/-0.000 χ^2/NDF : 1921748126.9/20

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 559.5/1

Right Out: 0.010+/-0.000 χ^2/NDF : 120120.6/19

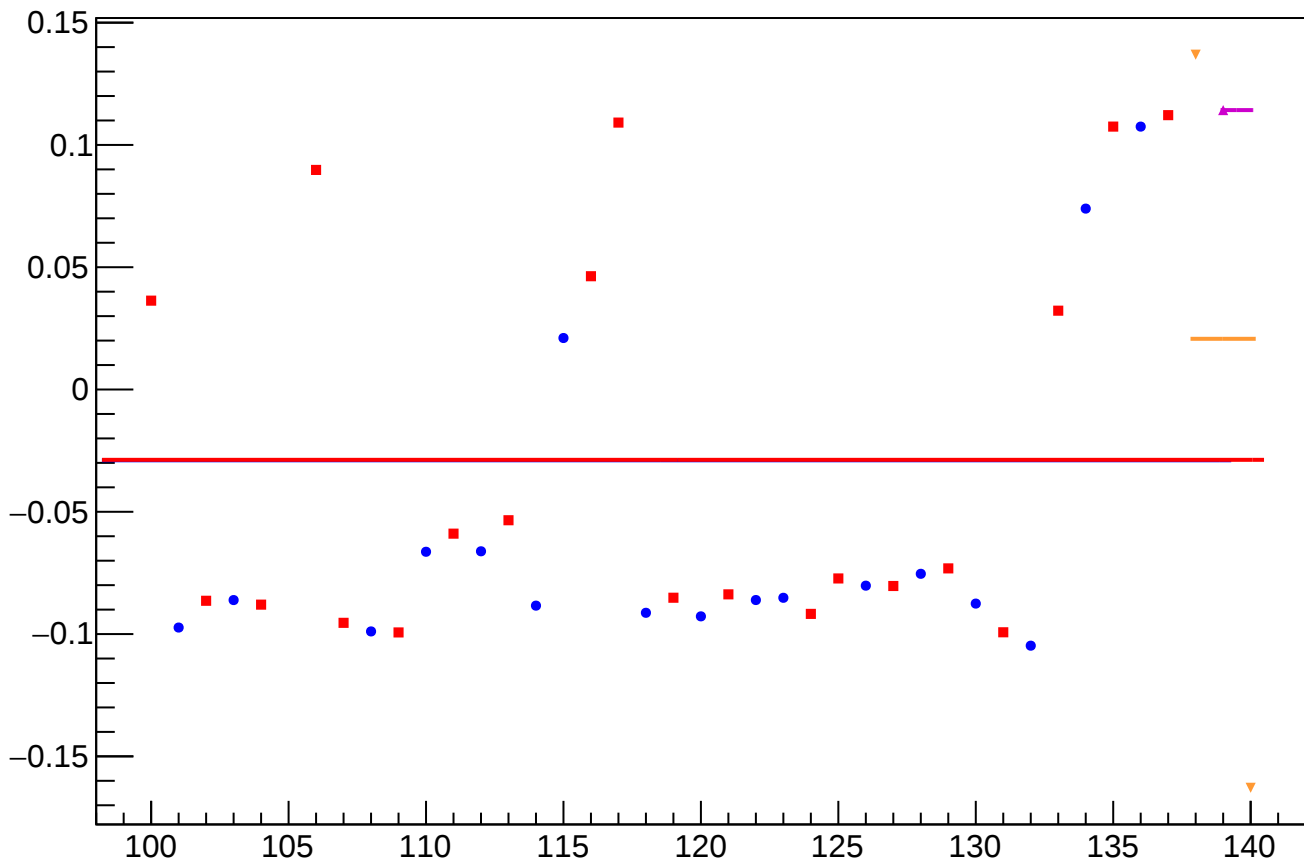
Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.000 χ^2/NDF : 126518.9/18

0.011+/-0.000 χ^2/NDF : 292891.4/39

0.011+/-0.000 χ^2/NDF : 148244.7/20

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029 +/- 0.000 χ^2/NDF : 2445975608.2/16

Left Out: 0.021 +/- 0.000 χ^2/NDF : 2832076139.0/1

Right Out: -0.029 +/- 0.000 χ^2/NDF : 2122918772.1/19

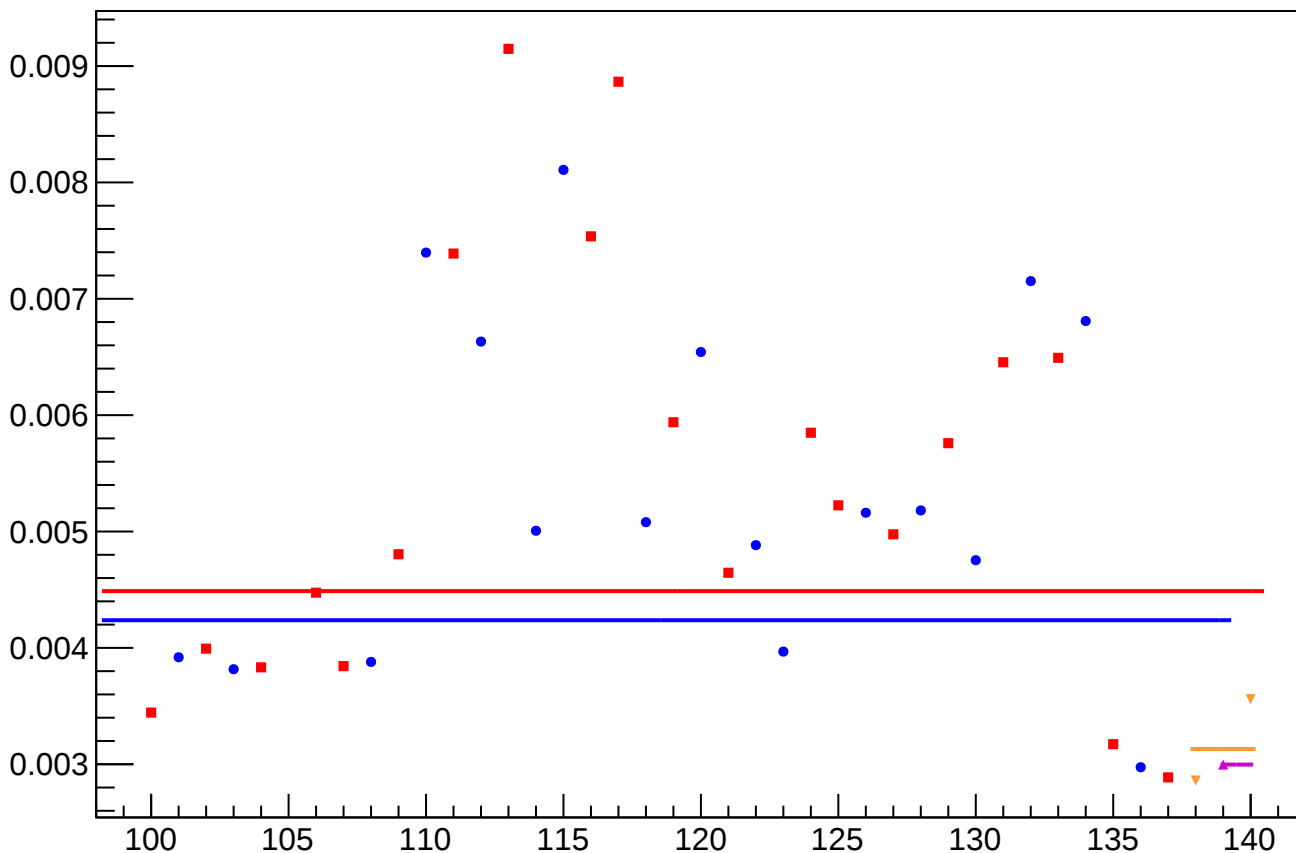
Left In: 0.114 +/- 0.000 χ^2/NDF : 0.0/0

-0.014 +/- 0.000 χ^2/NDF : 5506219249.2/18

-0.008 +/- 0.000 χ^2/NDF : 8837119722.6/30

-0.001 +/- 0.000 χ^2/NDF : 3296121970.6/20

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF :30770.0/1

Right Out: 0.004+/-0.000 χ^2/NDF : 1003473.4/19

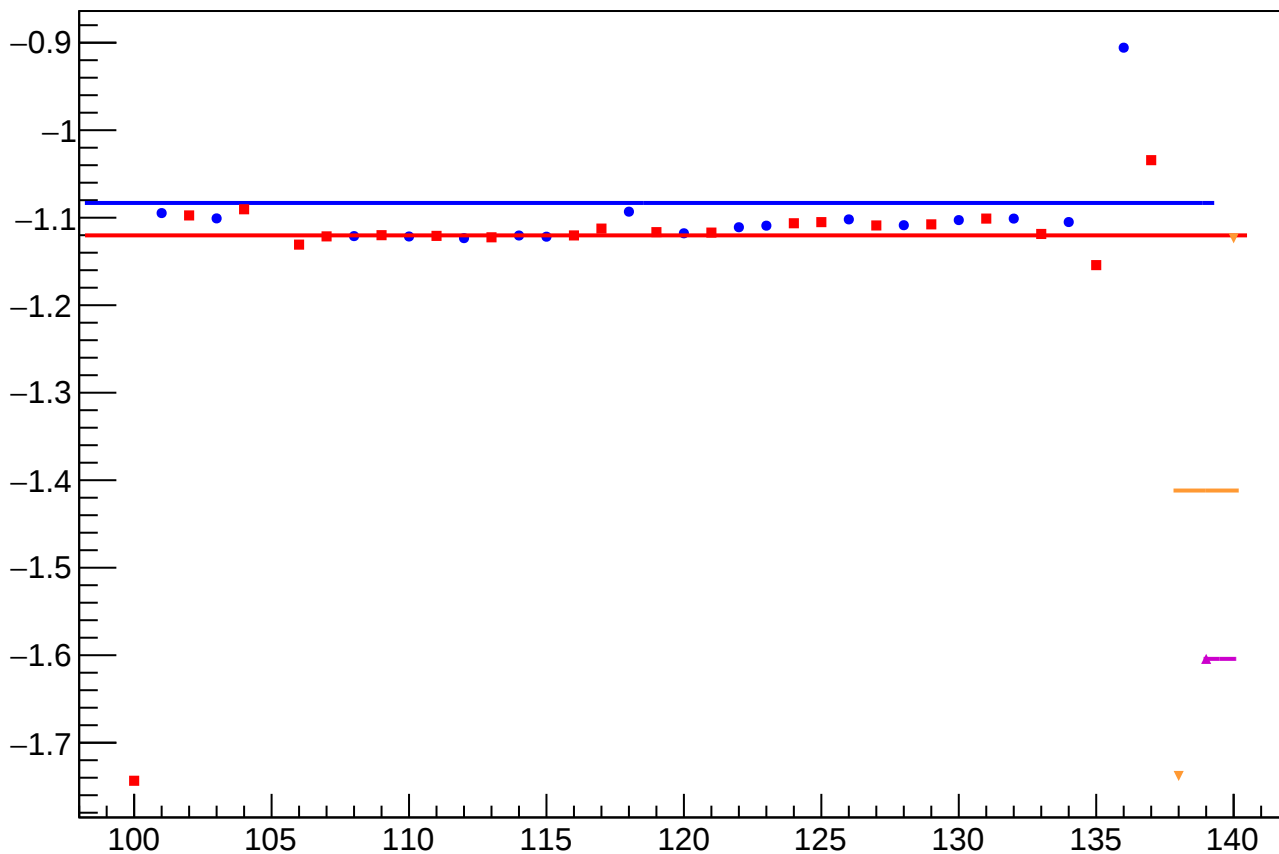
Left In: 0.003+/-0.000 χ^2/NDF :0.0/0

0.004+/-0.000 χ^2/NDF : 1138862.0/18

0.004+/-0.000 χ^2/NDF : 2431346.0/39

0.004+/-0.000 χ^2/NDF : 1258438.0/20

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.412+/-0.000 χ^2/NDF : 1105106332.1/1

Right Out: -1.120+/-0.000 χ^2/NDF : 220586820.0/19

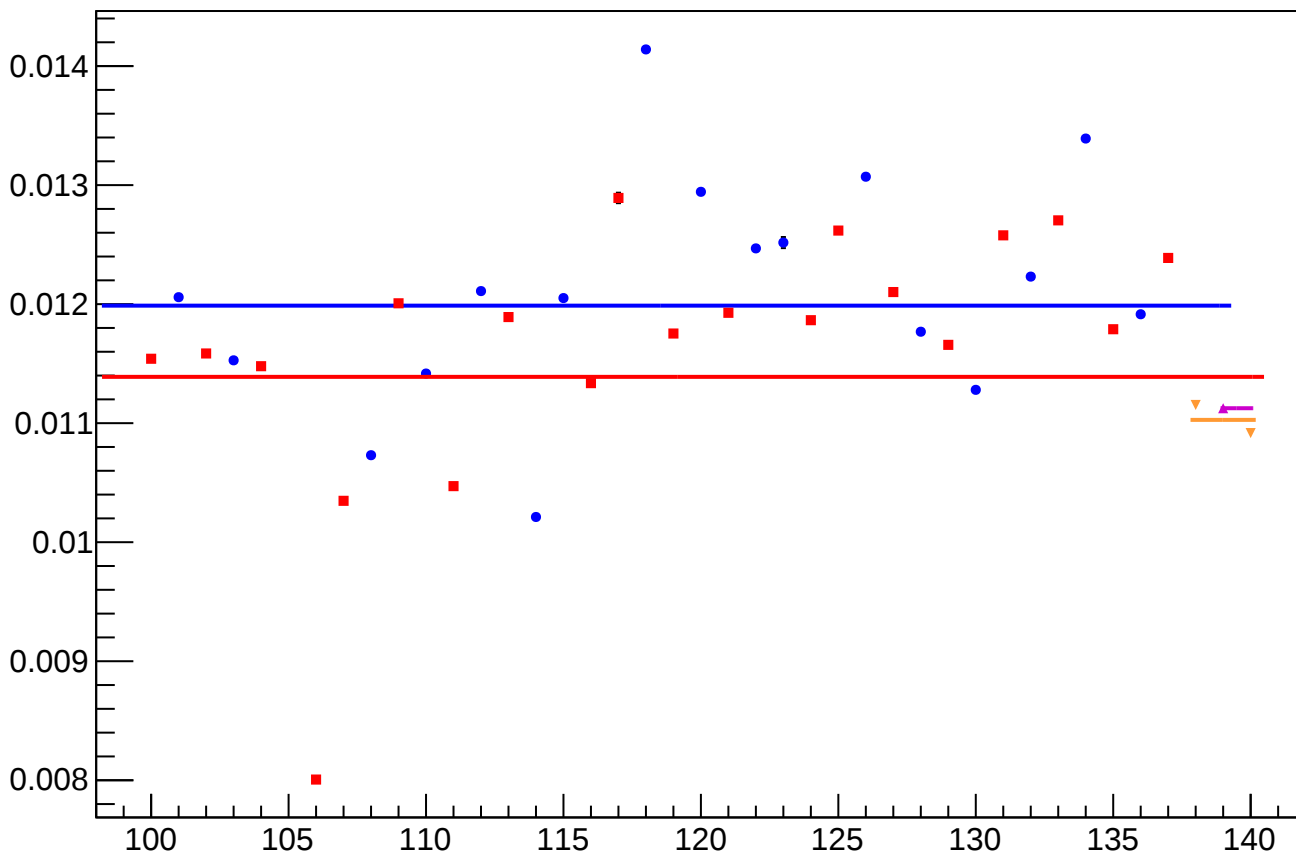
Left In: -1.604+/-0.000 χ^2/NDF : 0.0/0

-1.151+/-0.000 χ^2/NDF : 2313657013.2/18

-1.158+/-0.000 χ^2/NDF : 3676753734.8/3

-1.164+/-0.000 χ^2/NDF : 1358231140.1/20

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012 ± 0.000 χ^2/NDF : 60402.0/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 326.7/1

Right Out: 0.011 ± 0.000 χ^2/NDF : 155700.3/19

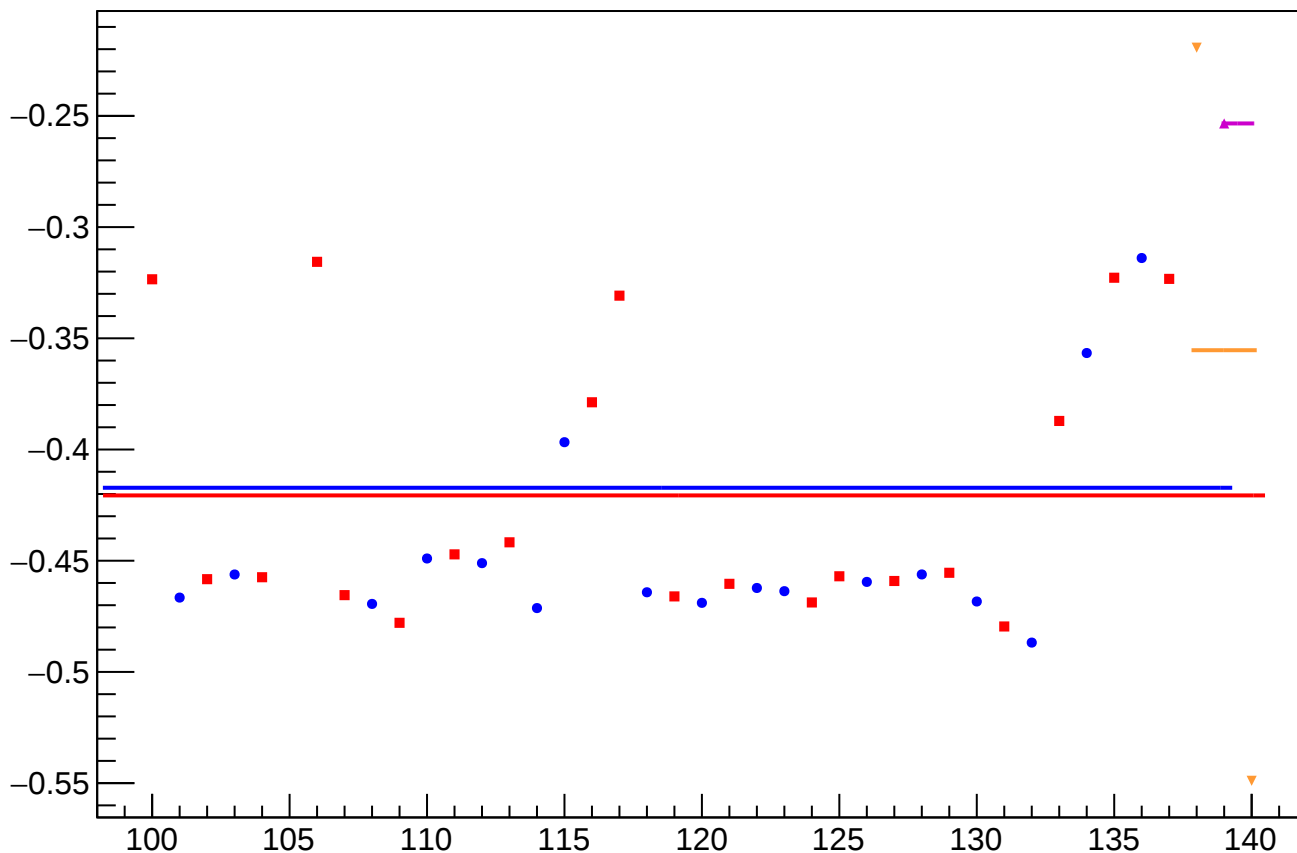
Left In: 0.011 ± 0.000 χ^2/NDF : 0.0/0

0.012 ± 0.000 χ^2/NDF : 77881.3/18

0.012 ± 0.000 χ^2/NDF : 244536.5/39

0.011 ± 0.000 χ^2/NDF : 156375.2/20

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.355+/-0.000 χ^2/NDF : 2721587020.0/1

Right Out: -0.421+/-0.000 χ^2/NDF : 1652792044.5/19

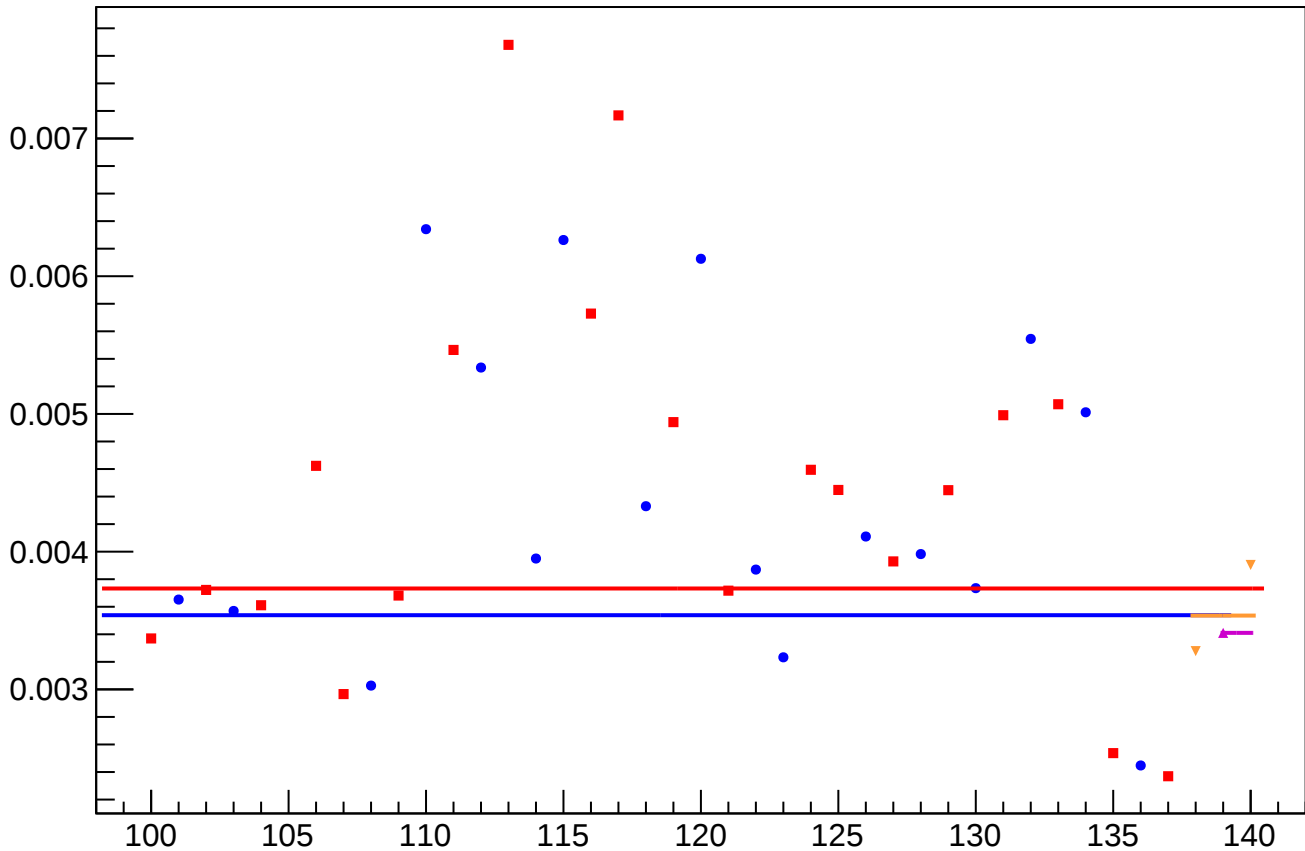
Left In: -0.253+/-0.000 χ^2/NDF : 0.0/0

-0.405+/-0.000 χ^2/NDF : 5079974963.3/18

-0.404+/-0.000 χ^2/NDF : 8083187985.1/3

-0.402+/-0.000 χ^2/NDF : 2999700831.5/20

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 836154.0/16

Left Out: 0.004+/-0.000 χ^2/NDF : 19618.1/1

Right Out: 0.004+/-0.000 χ^2/NDF : 916963.6/19

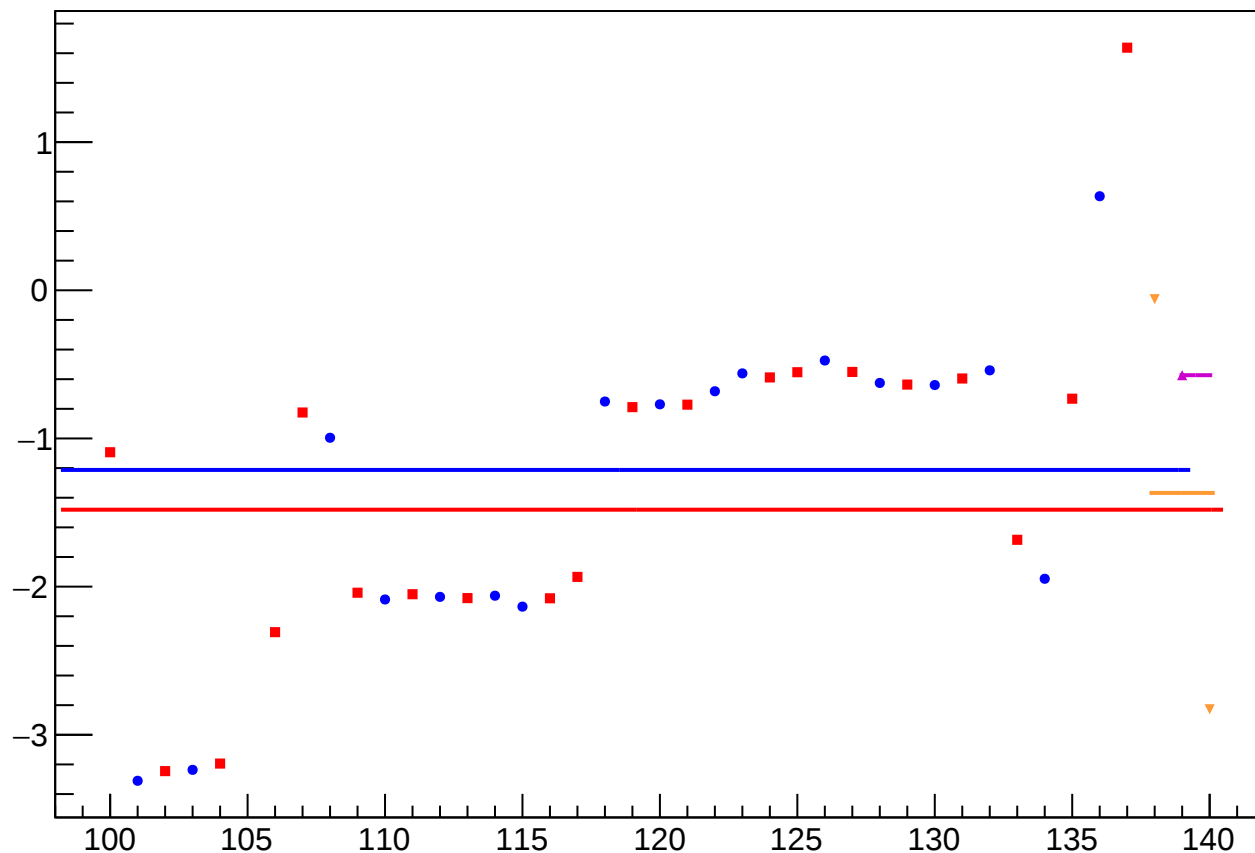
Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

0.004+/-0.000 χ^2/NDF : 855773.4/18

0.004+/-0.000 χ^2/NDF : 1795312.0/39

0.004+/-0.000 χ^2/NDF : 926960.7/20

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.368+/-0.000 χ^2/NDF : 513739090.9/1

Right Out: -1.481+/-0.000 χ^2/NDF : 1579722113.8/19

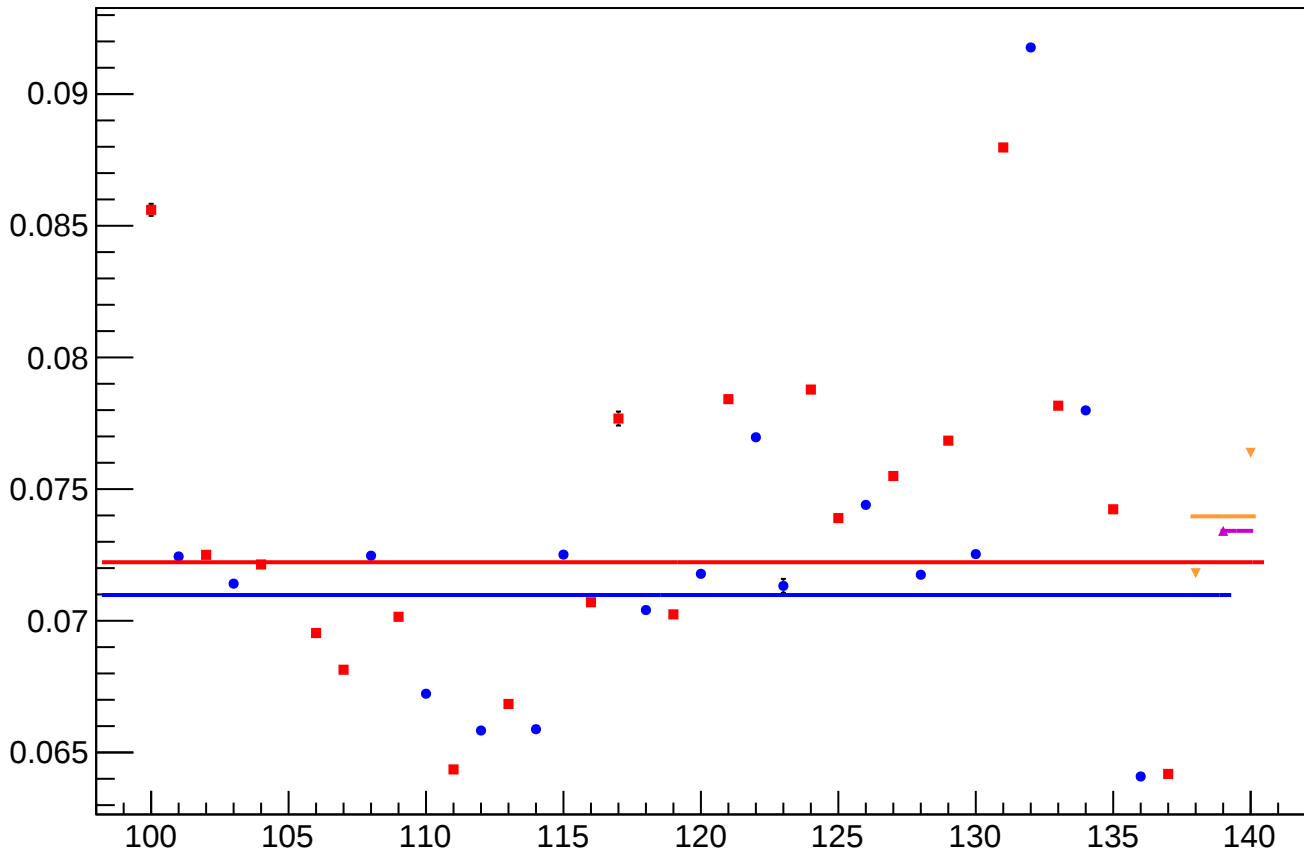
Left In: -0.573+/-0.000 χ^2/NDF : 0.0/0

-1.239+/-0.000 χ^2/NDF : 2511969354.7/18

-1.318+/-0.000 χ^2/NDF : 4206926519.7/30

-1.403+/-0.000 χ^2/NDF : 1674526813.9/20

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.074+/-0.000 χ^2/NDF : 2803.4/1

Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

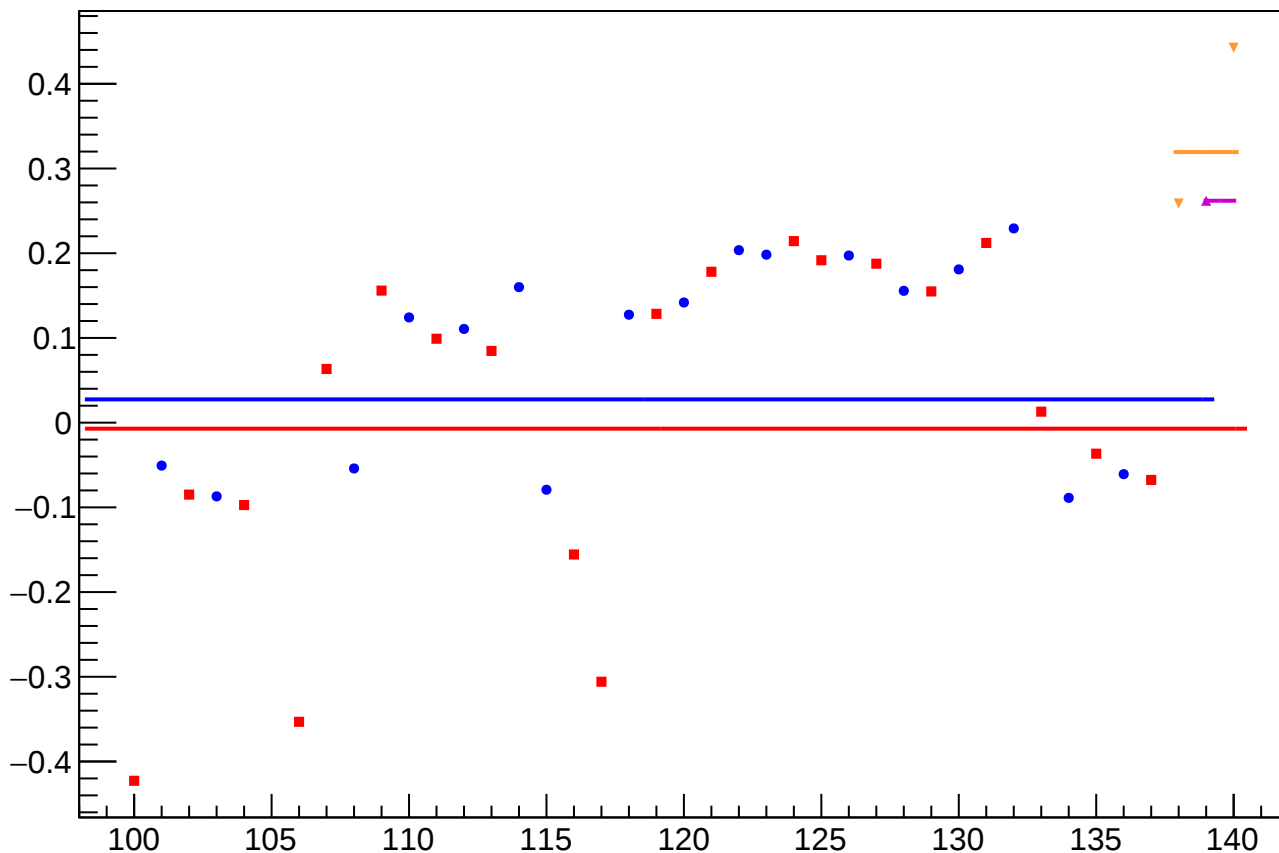
Left In: 0.073+/-0.000 χ^2/NDF : 0.0/0

0.071+/-0.000 χ^2/NDF : 84373.7/18

0.072+/-0.000 χ^2/NDF : 159414.4/39

0.072+/-0.000 χ^2/NDF : 73977.5/20

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 562337631.4/16

Left Out: 0.319 $\pm$ 0.000 χ^2 /NDF: 201658798.5/1

Right Out: -0.007 $\pm$ 0.000 χ^2 /NDF: 1207003891.2/19

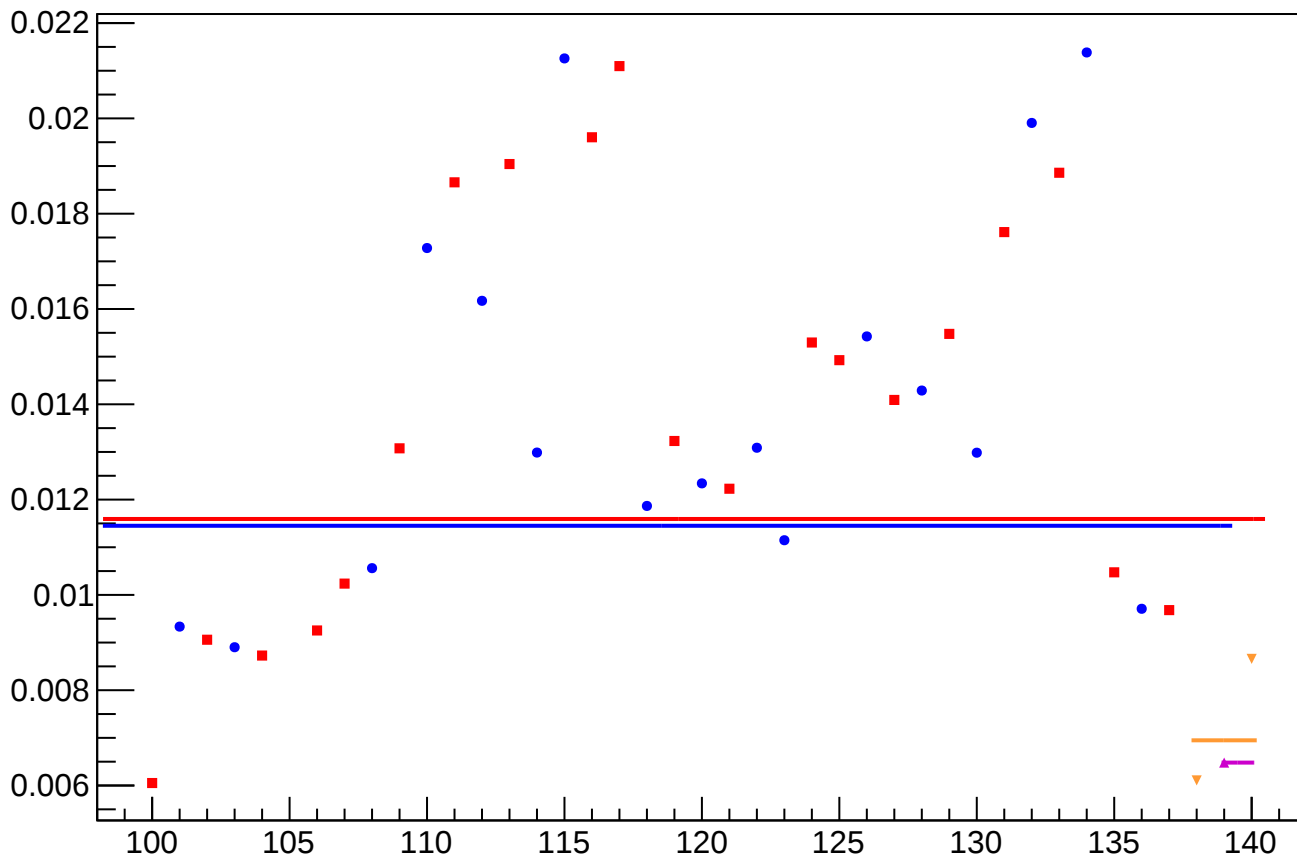
Left In: 0.262 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.139 $\pm$ 0.000 χ^2 /NDF: 2187314962.2/18

0.104 $\pm$ 0.000 χ^2 /NDF: 4407924892.2/39

0.062 $\pm$ 0.000 χ^2 /NDF: 2029067489.1/20

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007+/-0.000 χ^2/NDF : 77574.7/1

Right Out: 0.012+/-0.000 χ^2/NDF : 1012799.2/19

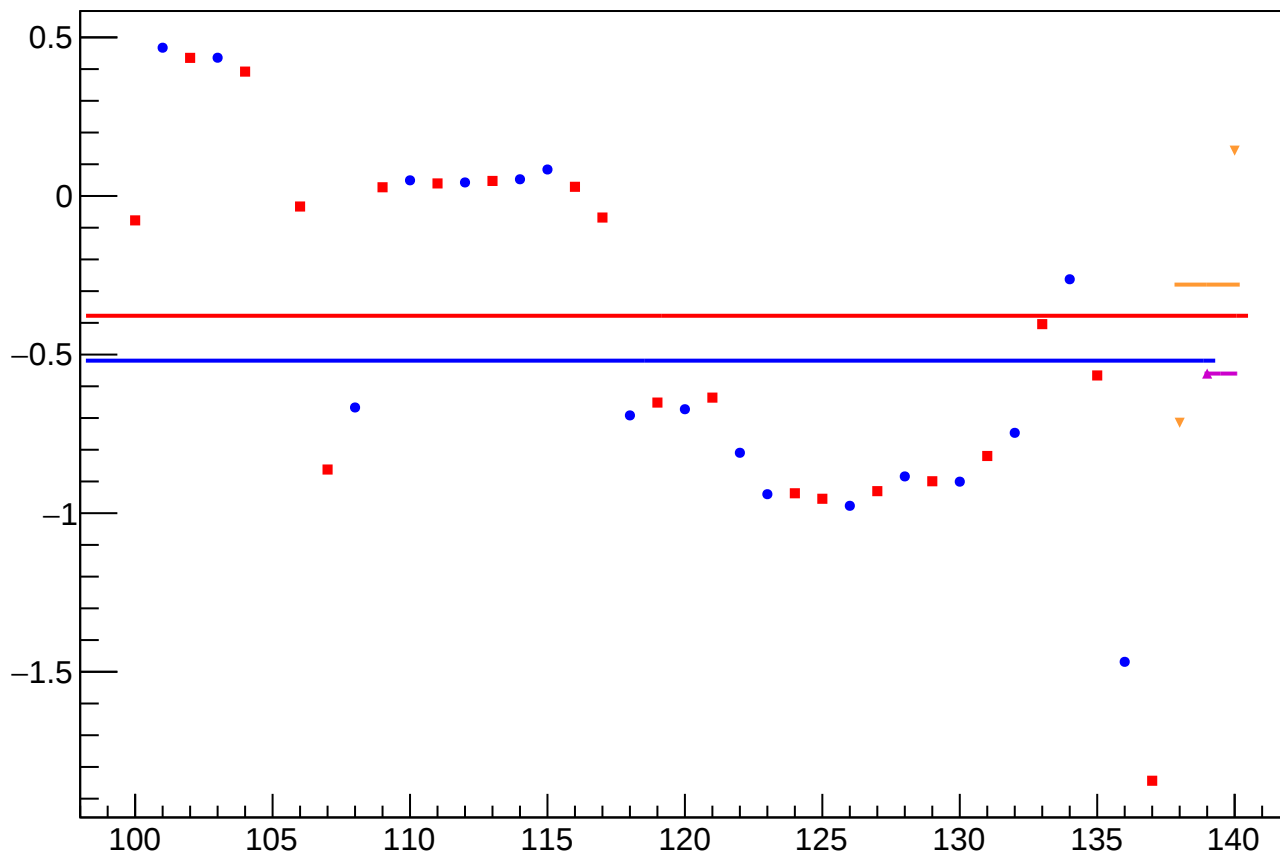
Left In: 0.006+/-0.000 χ^2/NDF : 0.0/0

0.010+/-0.000 χ^2/NDF : 1434289.9/18

0.010+/-0.000 χ^2/NDF : 3060293.8/39

0.010+/-0.000 χ^2/NDF : 1606434.0/20

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.279+/-0.000 χ^2/NDF : 38555790.2/1

Right Out: -0.378+/-0.000 χ^2/NDF : 269130827.6/19

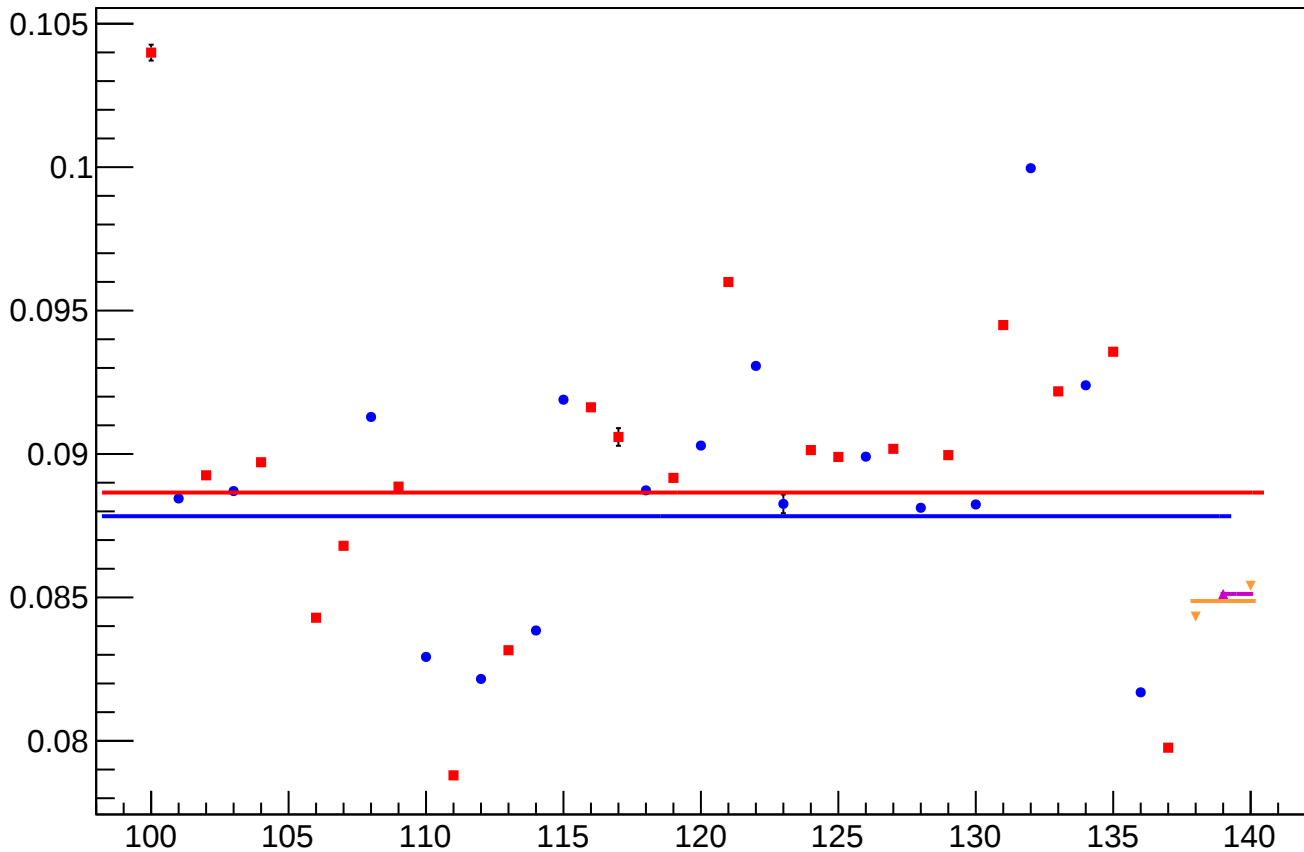
Left In: -0.560+/-0.000 χ^2/NDF : 0.0/0

-0.472+/-0.000 χ^2/NDF : 387643908.4/18

-0.435+/-0.000 χ^2/NDF : 662734306.7/39

-0.395+/-0.000 χ^2/NDF : 271955818.3/20

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.085+/-0.000 χ^2/NDF : 121.4/1

Right Out: 0.089+/-0.000 χ^2/NDF : 39762.8/19

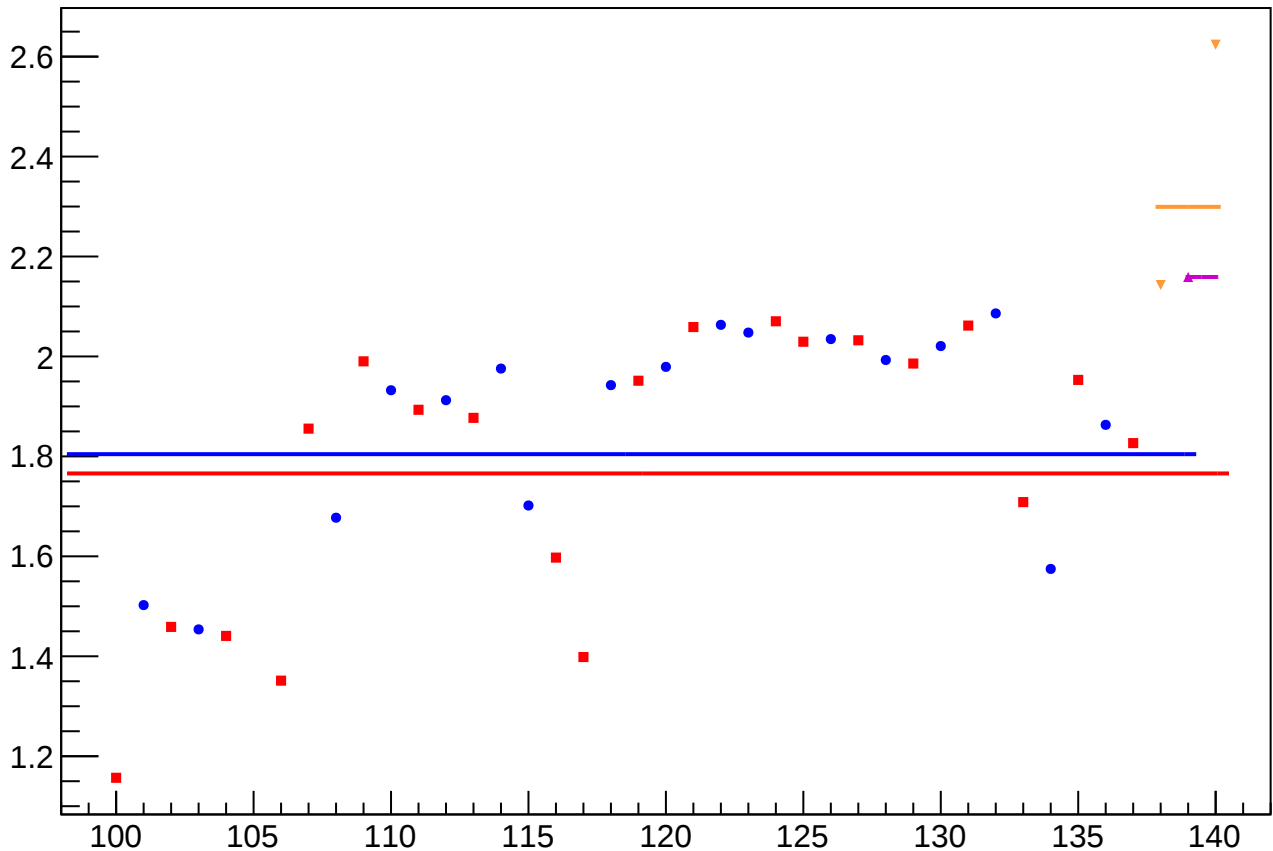
Left In: 0.085+/-0.000 χ^2/NDF : 0.0/0

0.087+/-0.000 χ^2/NDF : 38025.0/18

0.088+/-0.000 χ^2/NDF : 81099.2/39

0.088+/-0.000 χ^2/NDF : 41887.0/20

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 2.299 $\pm$ 0.000 χ^2 /NDF: 764085947.9/1

Right Out: 1.766 $\pm$ 0.000 χ^2 /NDF: 1717275187.7/19

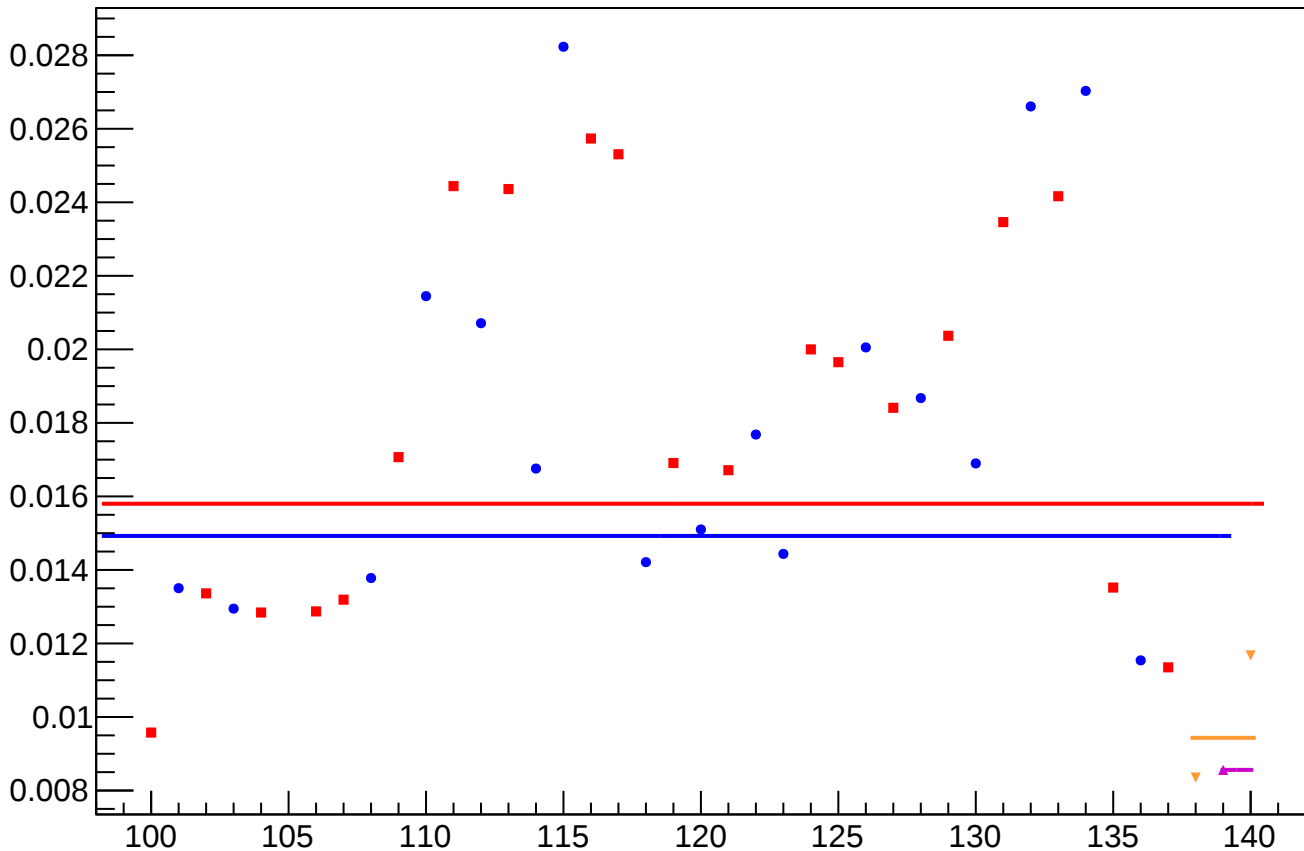
Left In: 2.159 $\pm$ 0.000 χ^2 /NDF: 0.0/0

1.987 $\pm$ 0.000 χ^2 /NDF: 4250070412.9/18

1.935 $\pm$ 0.000 χ^2 /NDF: 7216923423.6/39

1.871 $\pm$ 0.000 χ^2 /NDF: 2722122887.8/20

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 72874.2/1

Right Out: 0.016+/-0.000 χ^2/NDF : 796839.8/19

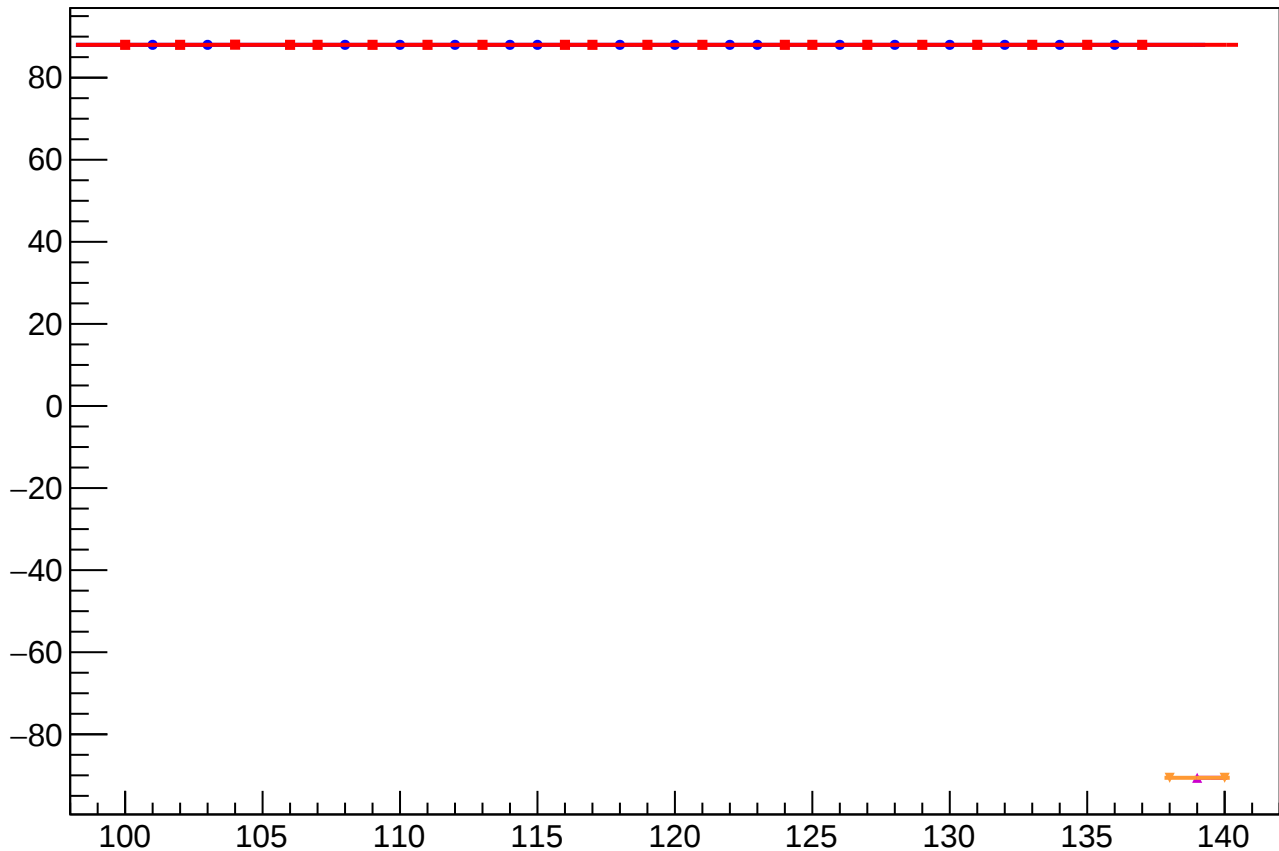
Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.013+/-0.000 χ^2/NDF : 1289990.7/18

0.013+/-0.000 χ^2/NDF : 2802182.6/39

0.014+/-0.000 χ^2/NDF : 1478419.5/20

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 32311.7/1

54.539 $\pm$ 0.000 χ^2 /NDF: 41474818248243523

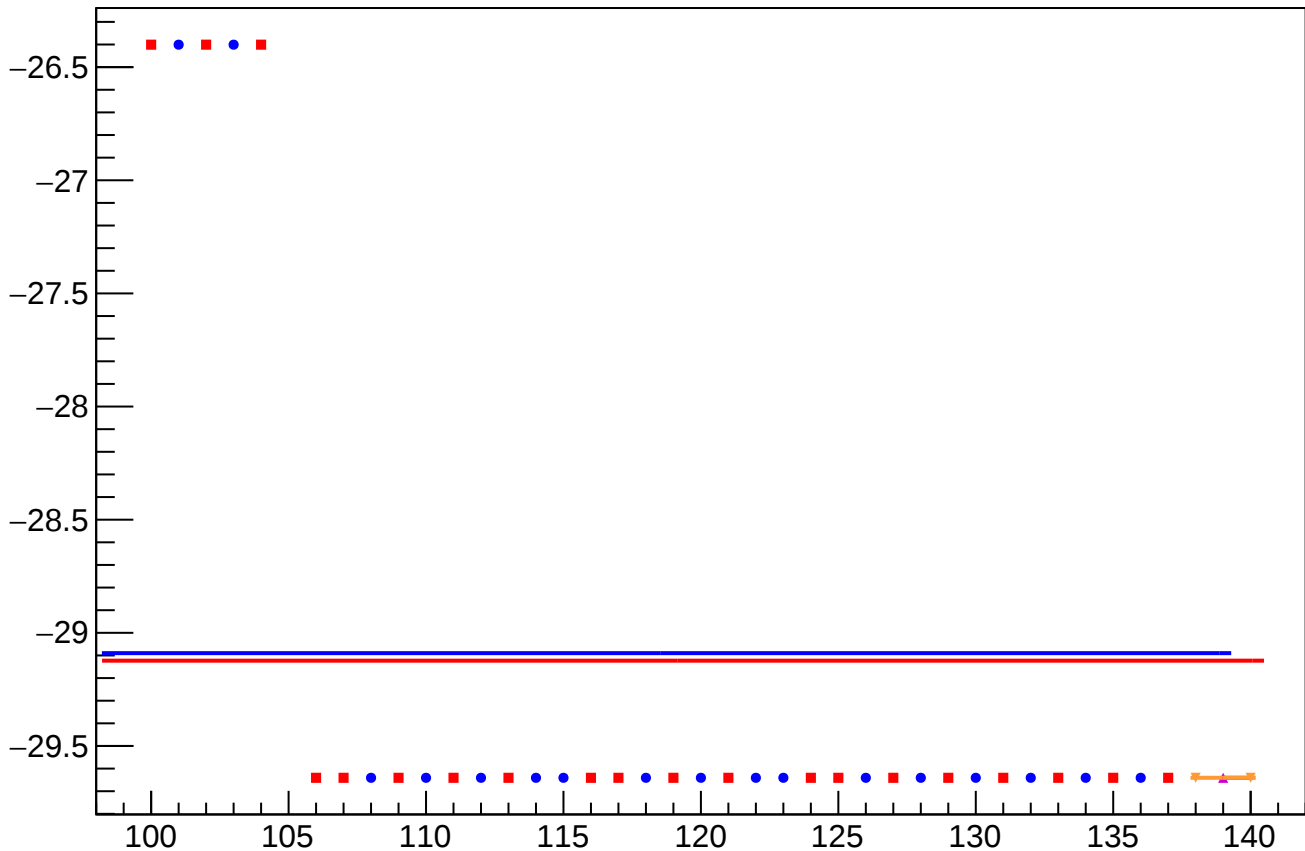
63.199 $\pm$ 0.000 χ^2 /NDF: 6290325959014

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77578366411928007427611426816.0/19

72.502 $\pm$ 0.000 χ^2 /NDF: 200999662070403552

Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 13934.4/0

epics_HWienAngles_mean vs Slug, Sign Corrected



Right In: -29.090+/-0.000 χ^2/NDF : 1028099246109521929793835198578688.0/16

Left Out: -29.641+/-0.000 χ^2/NDF : 2019.5/1

Right Out: -29.123+/-0.000 χ^2/NDF : 1023154512396702254583444720844800.0/19

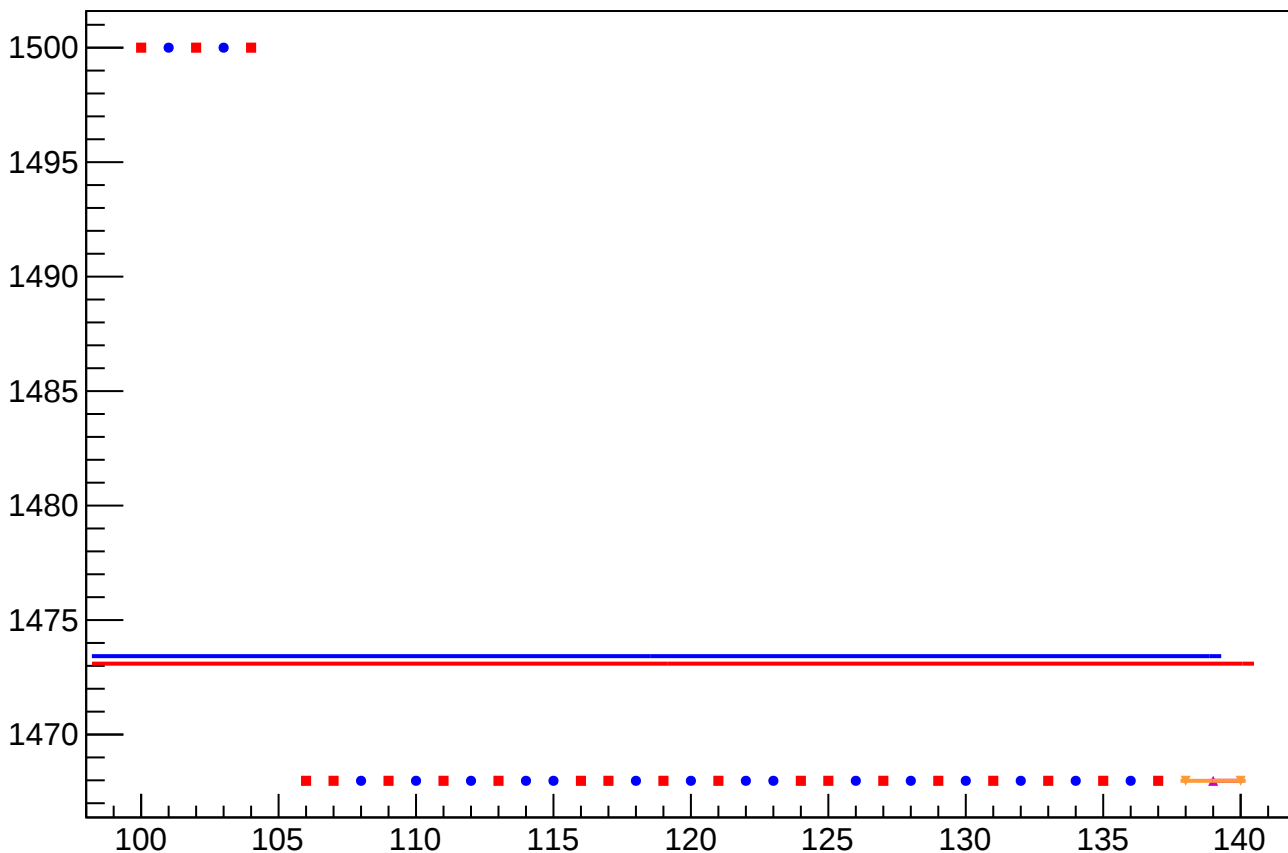
Left In: -29.641+/-0.000 χ^2/NDF : 0.0/0

-29.193+/-0.000 χ^2/NDF : 10675592093676860

-29.181+/-0.000 χ^2/NDF : 210785951243

-29.168+/-0.000 χ^2/NDF : 10400414671698162

epics_psub_pl_poss_mean vs Slug, Sign Corrected



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1467.979+/-0.000 χ^2/NDF : 4239300.6/1

Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19

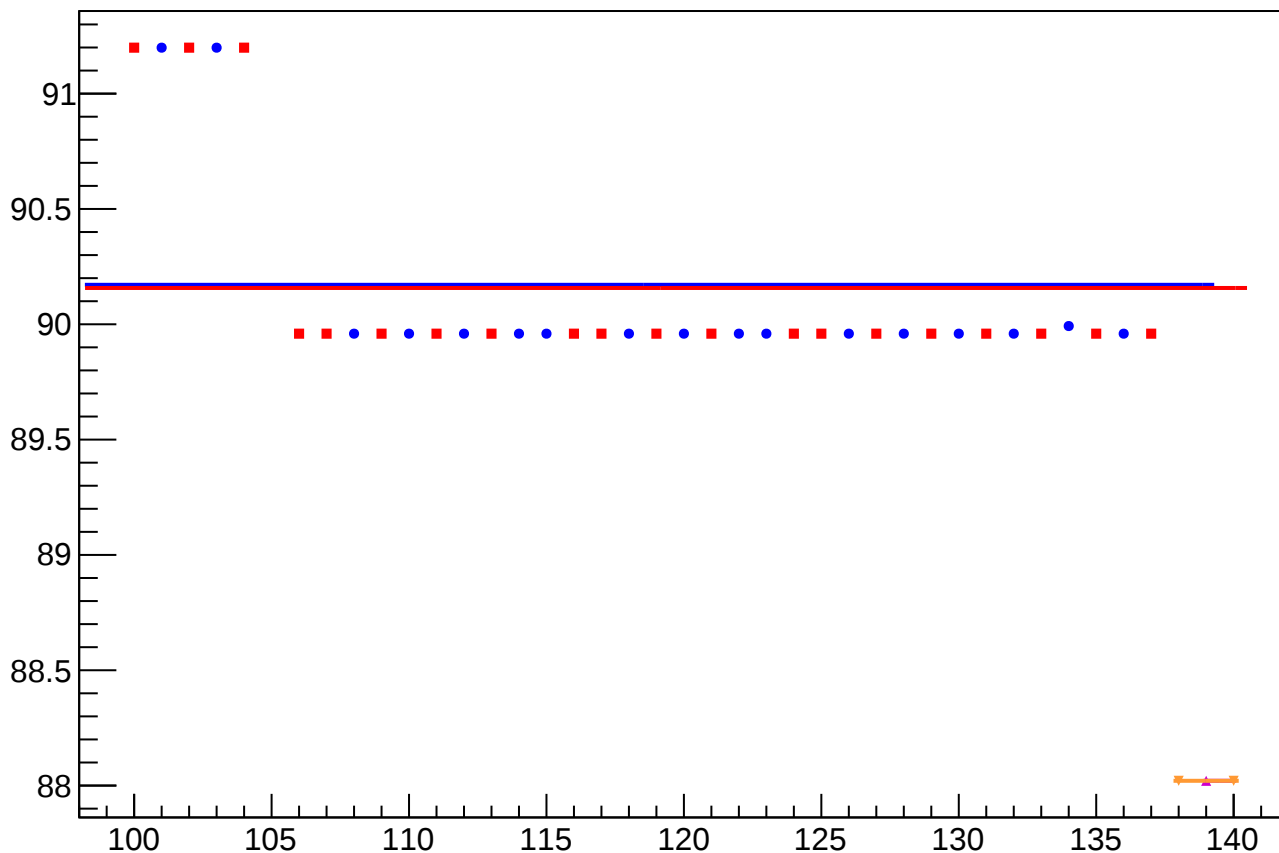
Left In: 1467.979+/-0.000 χ^2/NDF : 0.0/0

1472.404+/-0.000 χ^2/NDF : 1042756130633935

1472.523+/-0.000 χ^2/NDF : 20588866732

1472.652+/-0.000 χ^2/NDF : 1015877720400345

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 16559.8/1

Right Out: 90.157+/-0.000 χ^2/NDF : 149863052341628336344772108091392.0/19

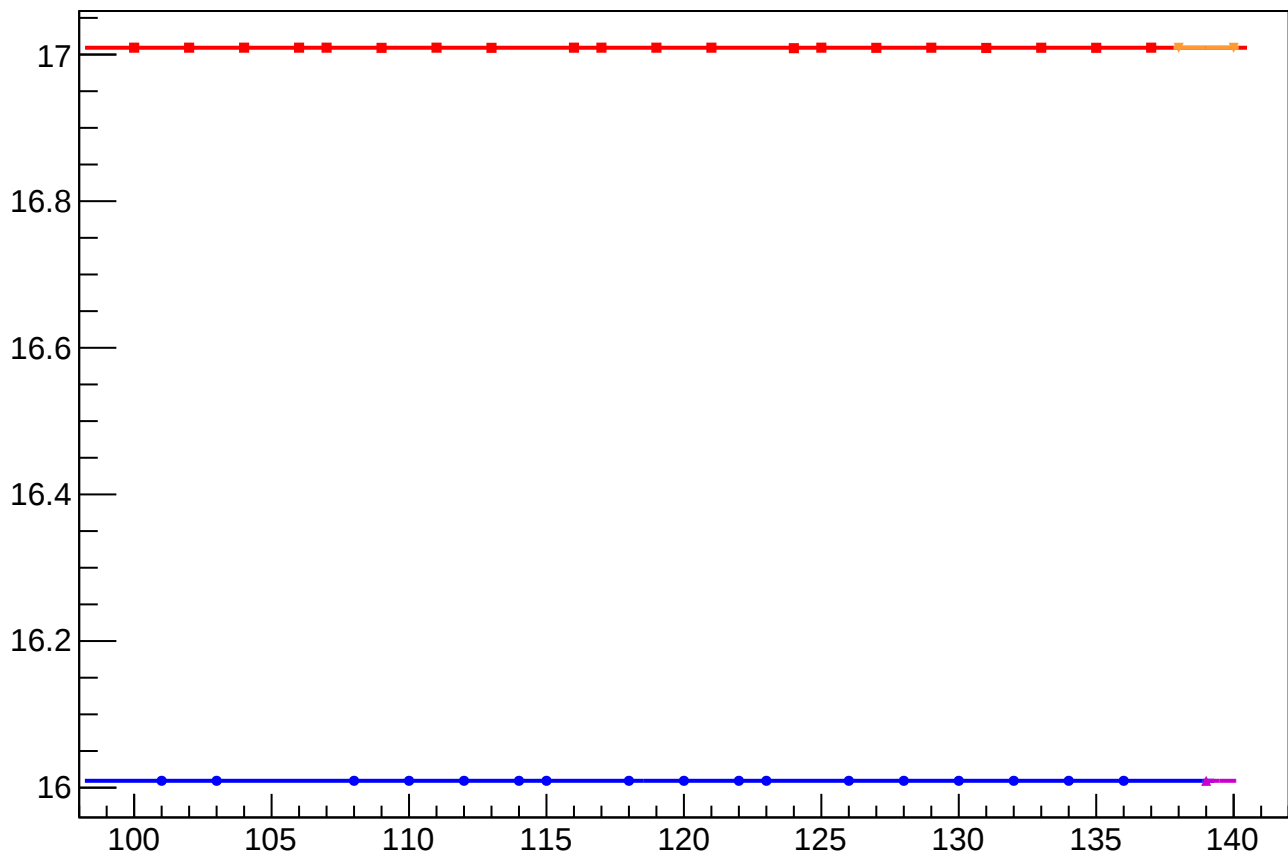
Left In: 88.021+/-0.000 χ^2/NDF : 0.0/0

89.768+/-0.000 χ^2/NDF : 751590334488568259

89.866+/-0.000 χ^2/NDF : 1206225251911

89.972+/-0.000 χ^2/NDF : 437545923679705947

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009+/-0.000 χ^2/NDF : 10498080352741527388160.0/1

Right Out: 17.009+/-0.000 χ^2/NDF : 12548783366686740957888512.0/19

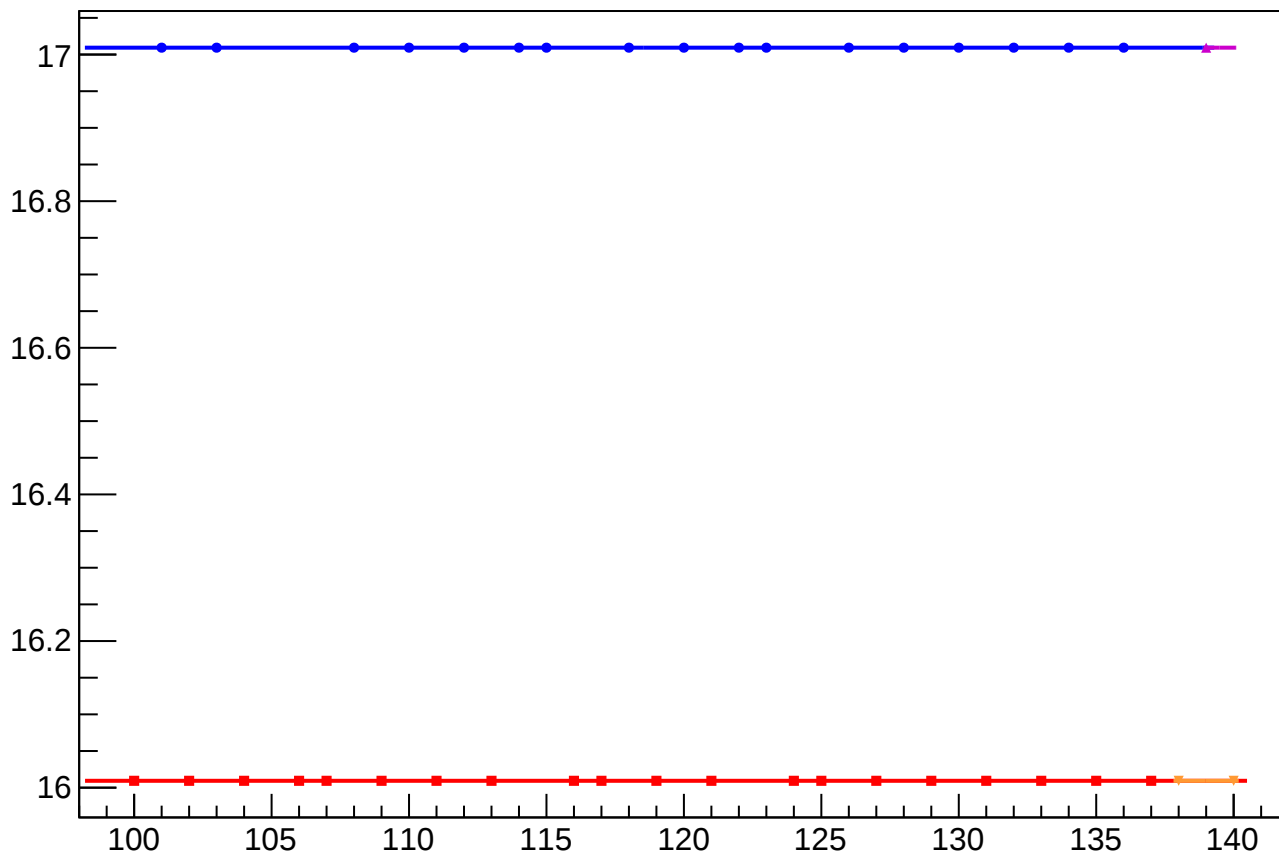
Left In: 16.009+/-0.000 χ^2/NDF : 0.0/0

16.187+/-0.000 χ^2/NDF : 117556401120248616

16.532+/-0.000 χ^2/NDF : 3821198895401

16.914+/-0.000 χ^2/NDF : 624399116129970304

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 984.5/1

Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

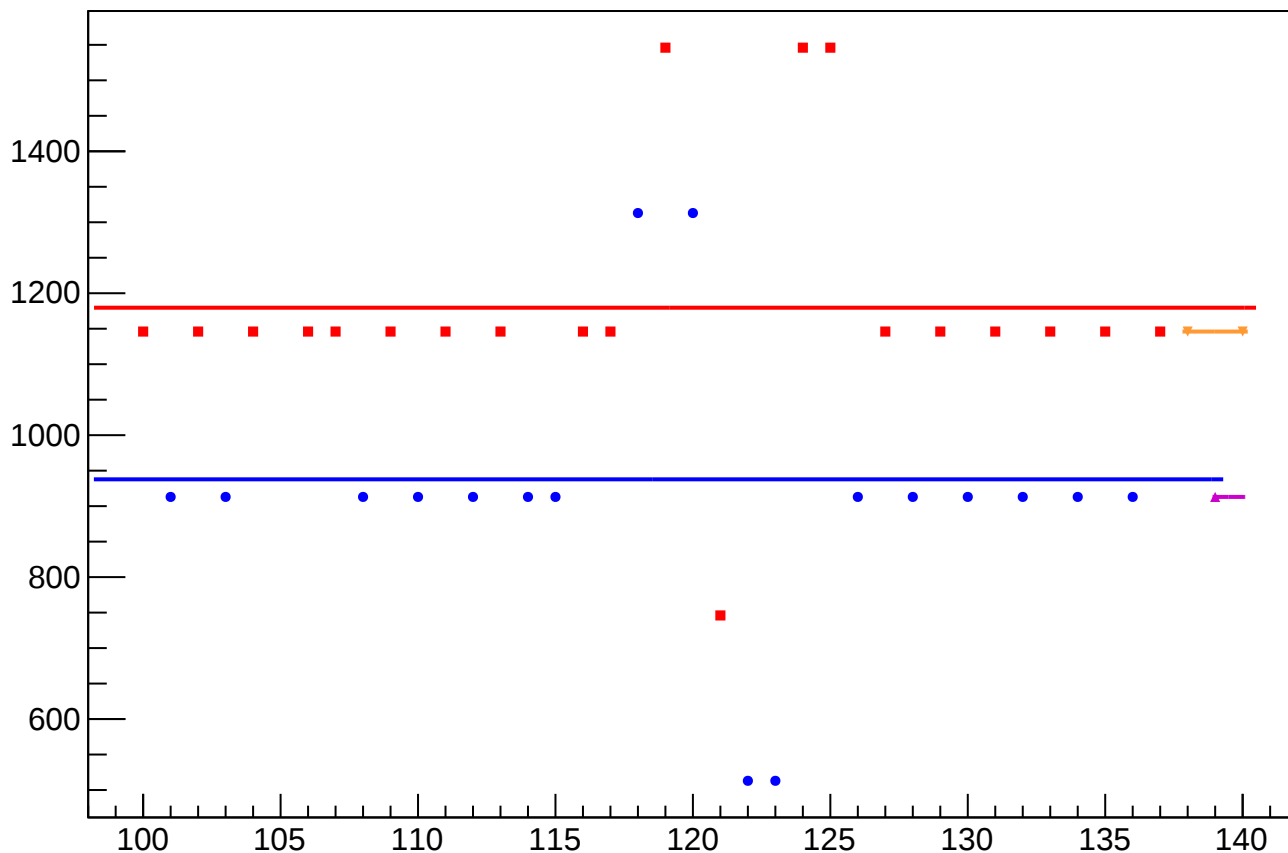
Left In: 17.009+/-0.000 χ^2/NDF : 0.0/0

16.815+/-0.000 χ^2/NDF : 128856447688562716

16.463+/-0.000 χ^2/NDF : 3990987577639

16.097+/-0.000 χ^2/NDF : 629581218274068493

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



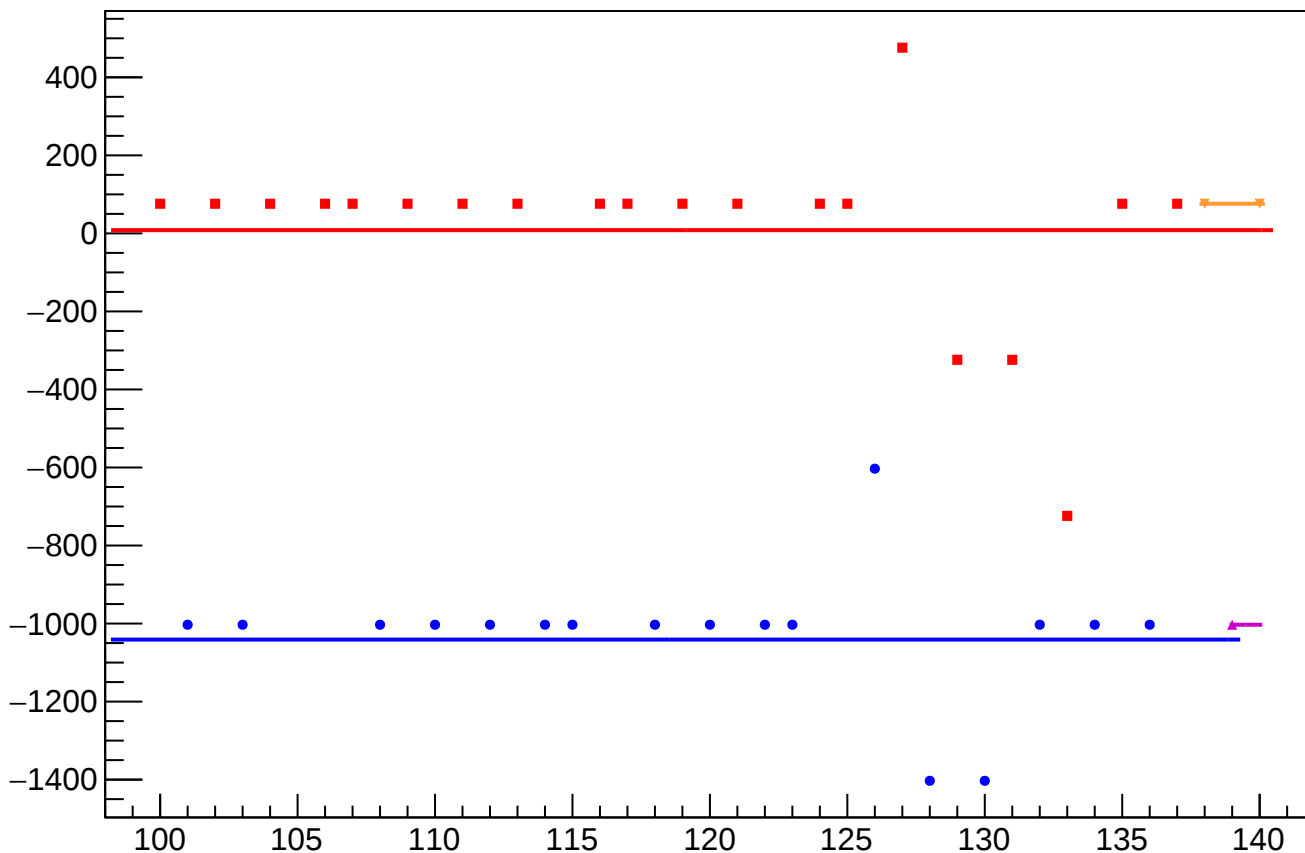
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.014+/-0.000 χ^2/NDF : 10202838200006770467799040.0/1

Right Out: 1179.619+/-0.000 χ^2/NDF : 21420659731738679306829480097874968576.0/19

Left In: 912.991+/-0.000 χ^2/NDF : 0.0/0

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.010+/-0.000 χ^2/NDF : 13487823564373963487313920.0/1

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.991+/-0.000 χ^2/NDF : 0.0/0