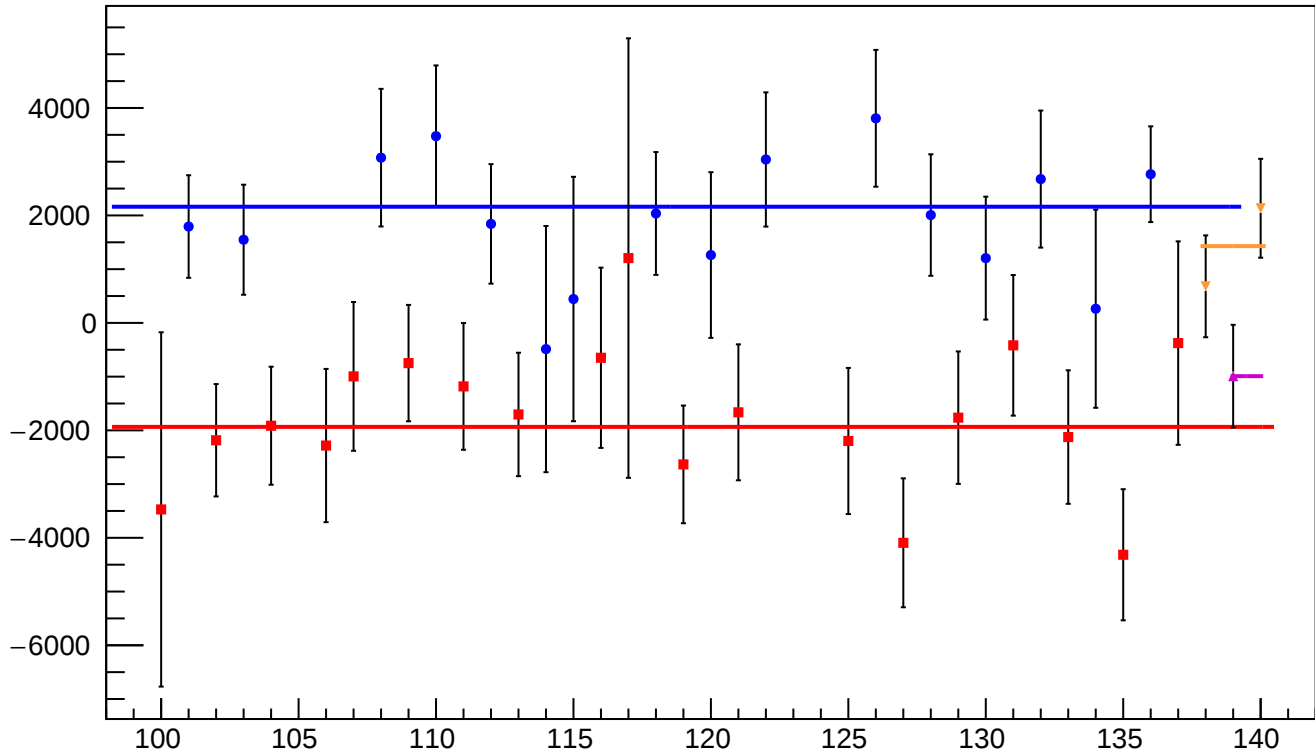


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

2031.700+/-278.615

χ^2/NDF : 11.1/17

Left Out: 1428.707+/-660.309

χ^2/NDF : 1.2/1

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

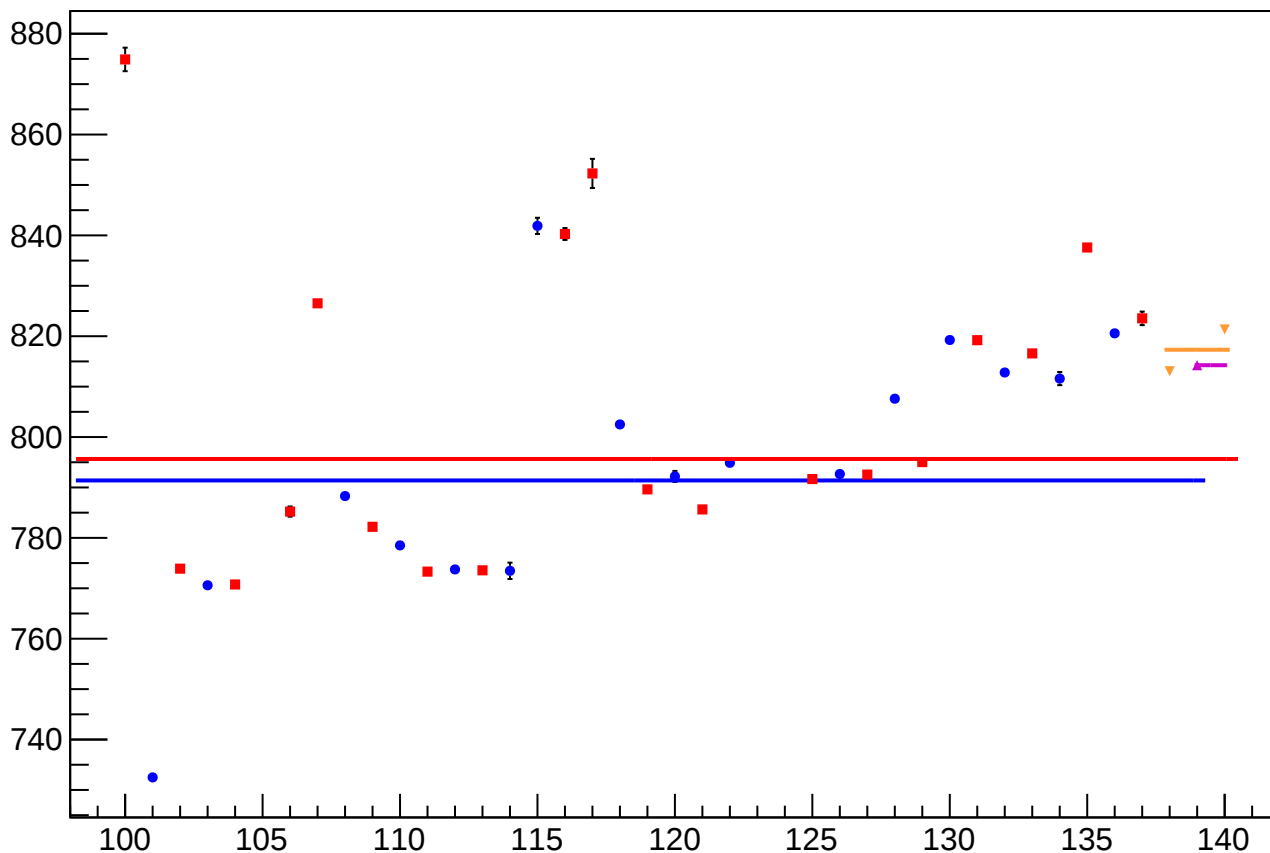
-1850.625+/-286.030

χ^2/NDF : 14.1/19

Left In: -991.294+/-955.645

χ^2/NDF : 0.0/0

reg_asym_us_avg_rms vs Slug



Right In: 791.390 $\pm$ 0.217 χ^2 /NDF: 15008.3/15

Left Out: 817.318 $\pm$ 0.467 χ^2 /NDF: 78.8/1

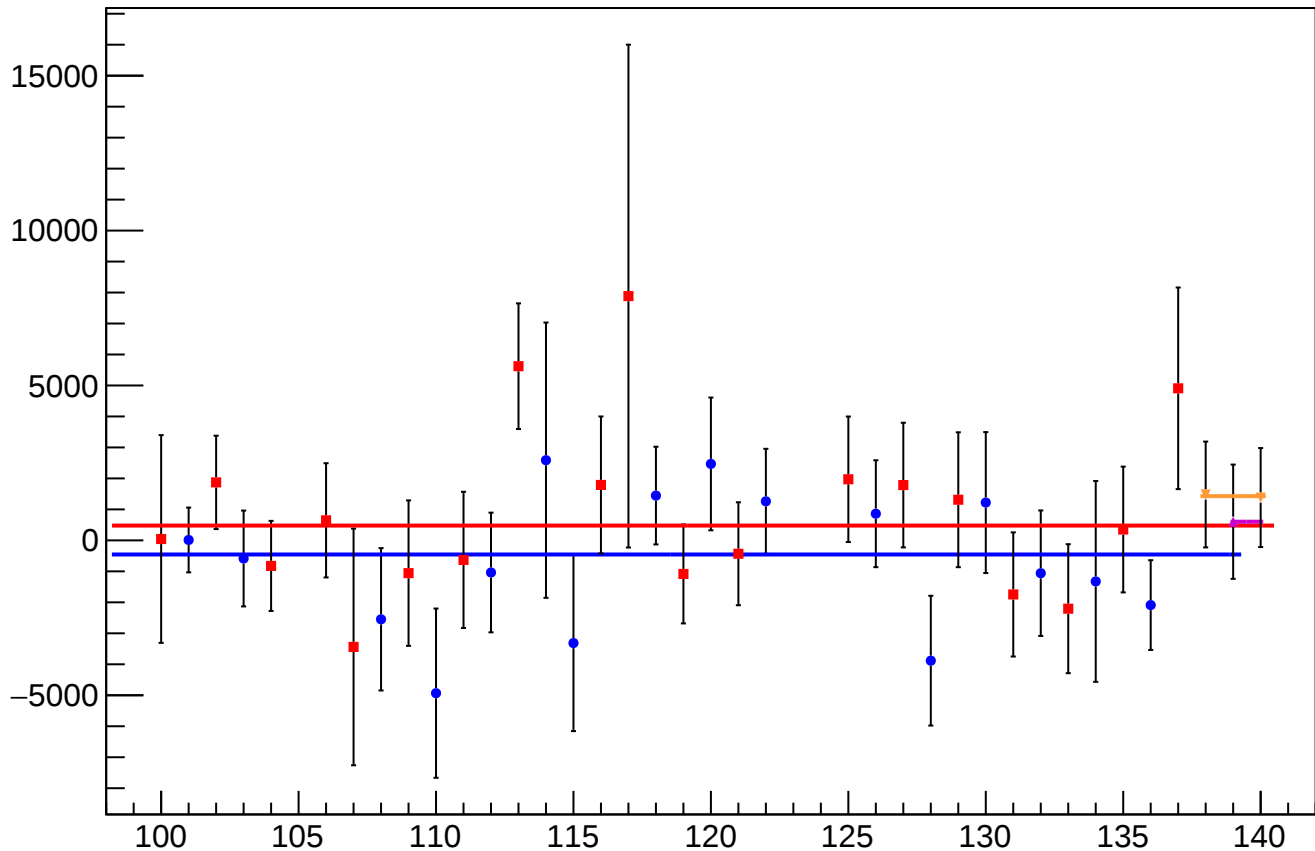
Right Out: 795.650 $\pm$ 0.212 χ^2 /NDF: 11945.4/18

Left In: 814.247 $\pm$ 0.676 χ^2 /NDF: 0.0/0

796.007 $\pm$ 0.197 χ^2 /NDF: 17621.7/17

797.316 $\pm$ 0.202 χ^2 /NDF: 12634.8/19

asym_us_avg_correction_mean vs Slug



Right In: -455.675+/-464.232 χ^2/NDF : 14.9/15

Left Out: 1428.320+/-1166.769 χ^2/NDF : 0.0/1

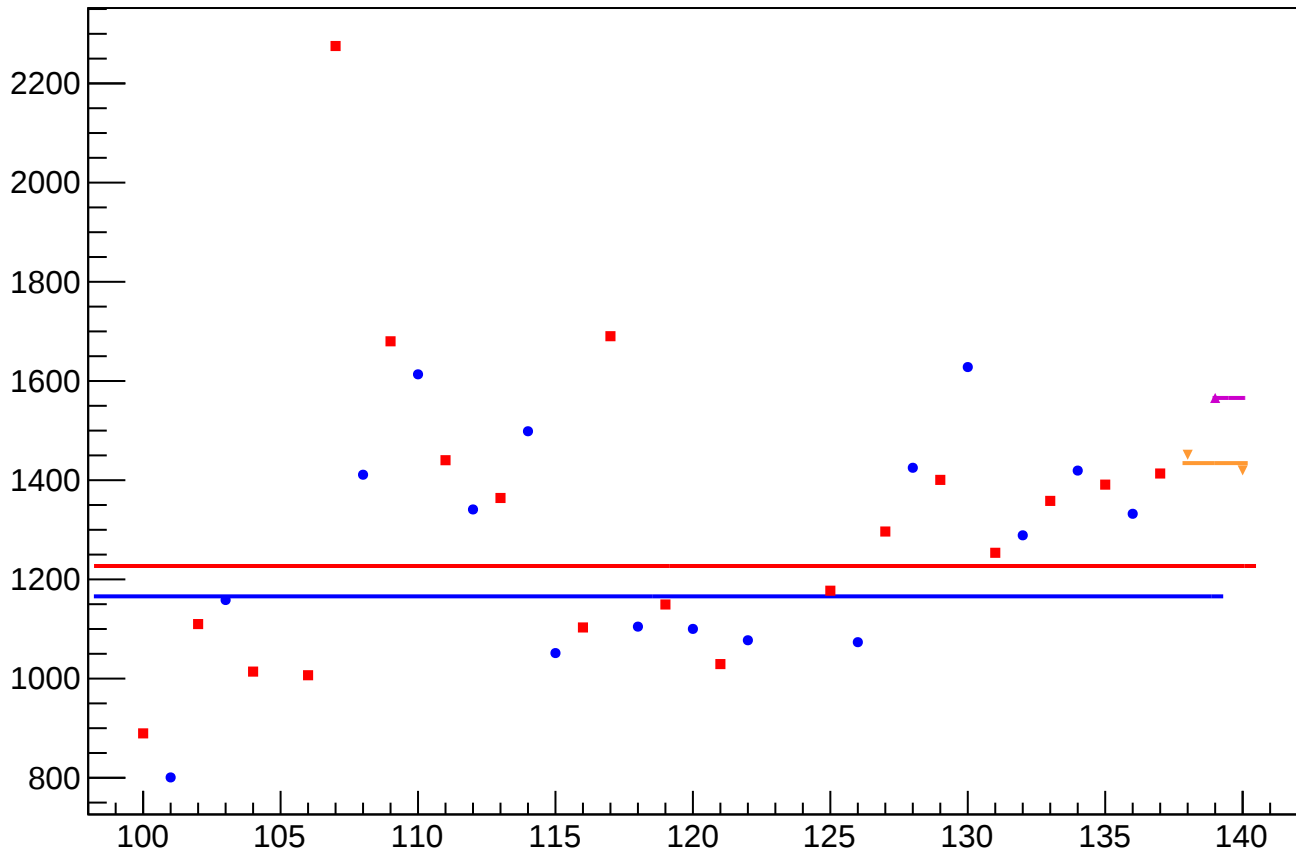
Right Out: 477.782+/-471.960 χ^2/NDF : 18.2/18

Left In: 602.323+/-1844.140 χ^2/NDF : 0.0/0

-198.187+/-431.343 χ^2/NDF : 17.1/17

485.437+/-457.224 χ^2/NDF : 18.2/19

asym_us_avg_correction_rms vs Slug



Right In: 1165.812 $\pm$ 0.328 χ^2 /NDF: 526801.3/15

Left Out: 1434.477 $\pm$ 0.825 χ^2 /NDF: 363.1/1

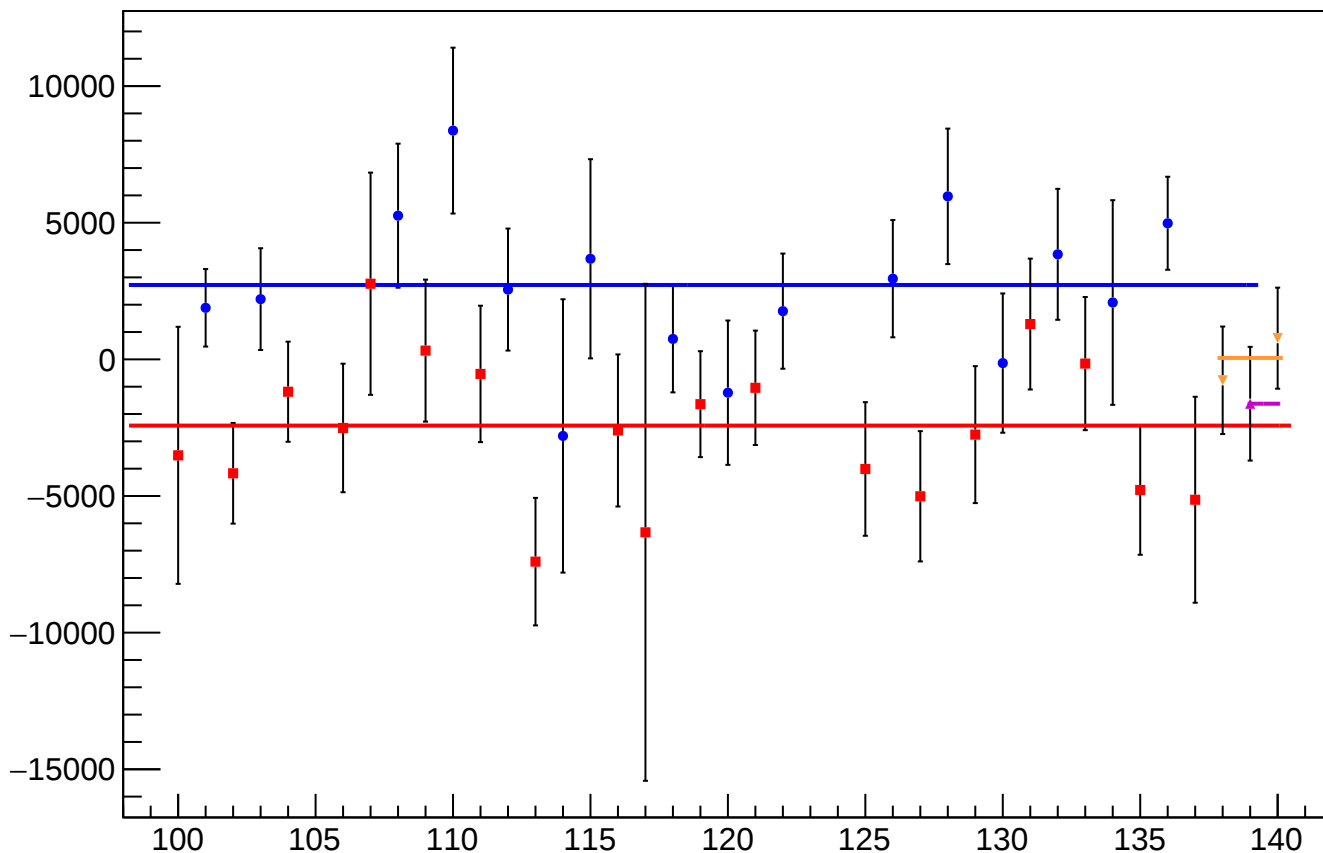
Right Out: 1227.021 $\pm$ 0.334 χ^2 /NDF: 446961.2/18

Left In: 1565.843 $\pm$ 1.304 χ^2 /NDF: 0.0/0

1202.531 $\pm$ 0.305 χ^2 /NDF: 618714.3/17

1247.848 $\pm$ 0.323 χ^2 /NDF: 510324.0/19

asym_us_avg_mean vs Slug



Right In: 2722.309+/-567.154 χ^2/NDF : 14.6/15

Left Out: 52.218+/-1347.118 χ^2/NDF : 0.3/1

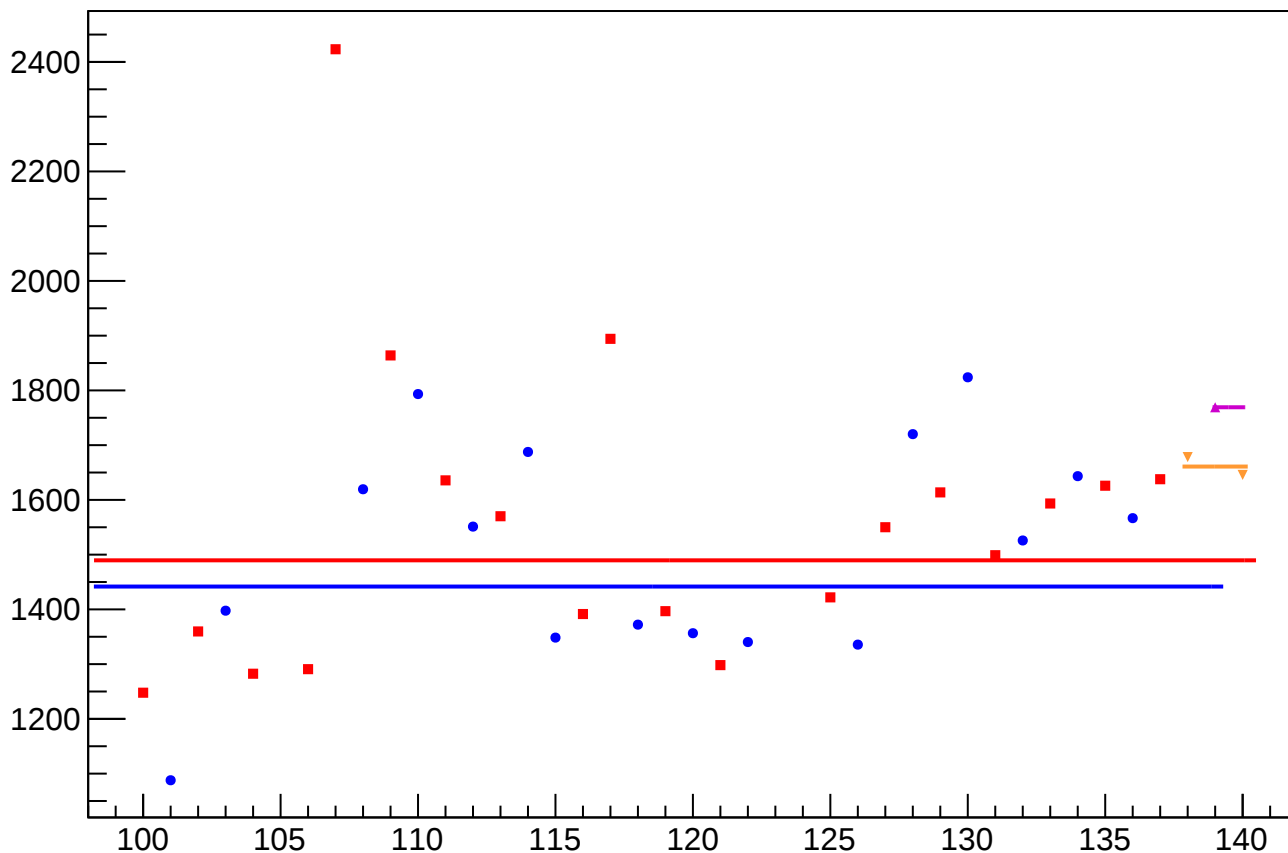
Right Out: -2423.739+/-567.866 χ^2/NDF : 16.5/18

Left In: -1623.244+/-2081.283 χ^2/NDF : 0.0/0

2320.289+/-522.716 χ^2/NDF : 18.2/17

-2368.276+/-547.840 χ^2/NDF : 16.6/19

asym_us_avg_rms vs Slug



Right In: 1441.720+/-0.401 χ^2/NDF : 275902.8/15

Left Out: 1660.906+/-0.953 χ^2/NDF : 291.1/1

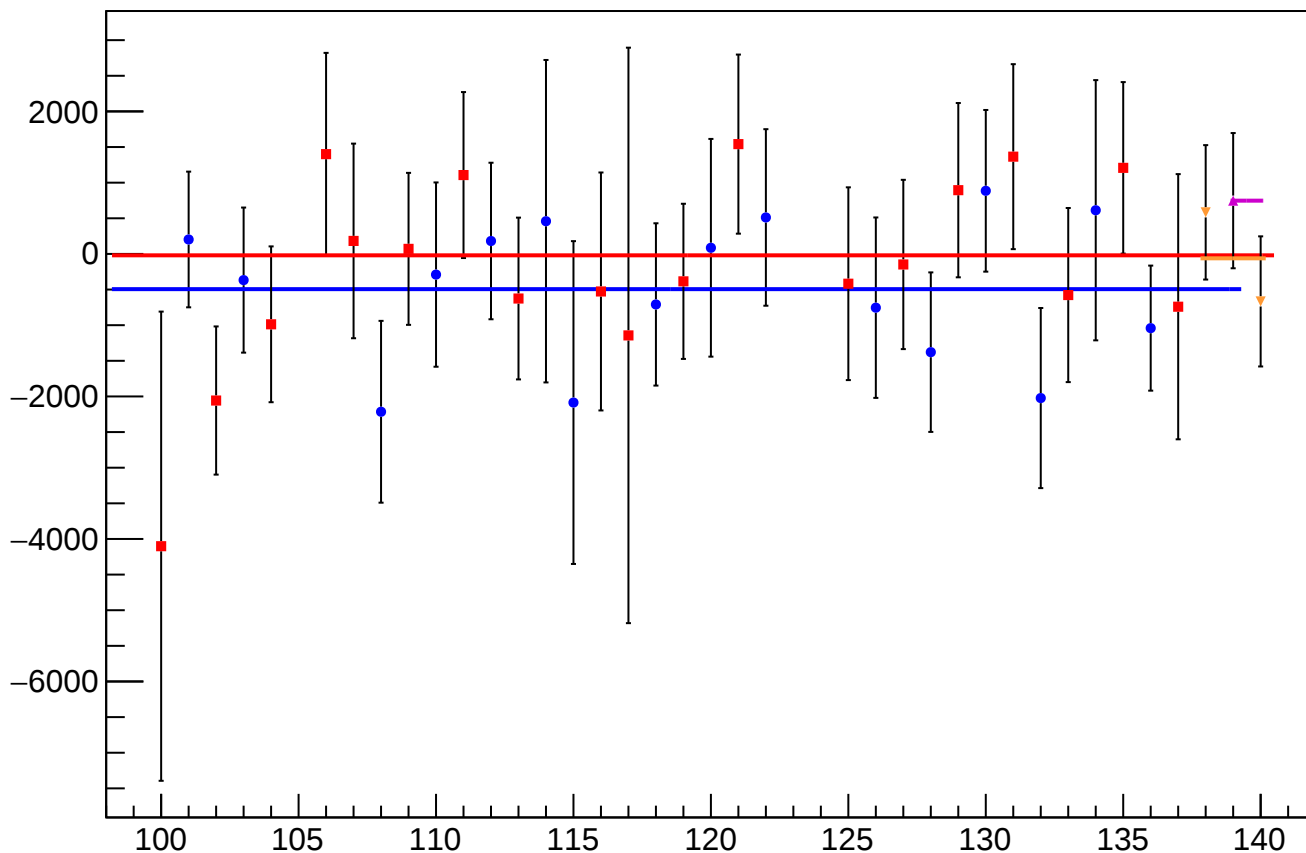
Right Out: 1489.610+/-0.402 χ^2/NDF : 260116.0/18

Left In: 1769.214+/-1.472 χ^2/NDF : 0.0/0

1474.722+/-0.370 χ^2/NDF : 321169.1/17

1508.982+/-0.387 χ^2/NDF : 293710.7/19

reg_asym_us_dd_mean vs Slug



Right In: -494.223 ± 304.644 χ^2/NDF : 8.7/15

Left Out: -61.761 ± 656.029 χ^2/NDF : 0.9/1

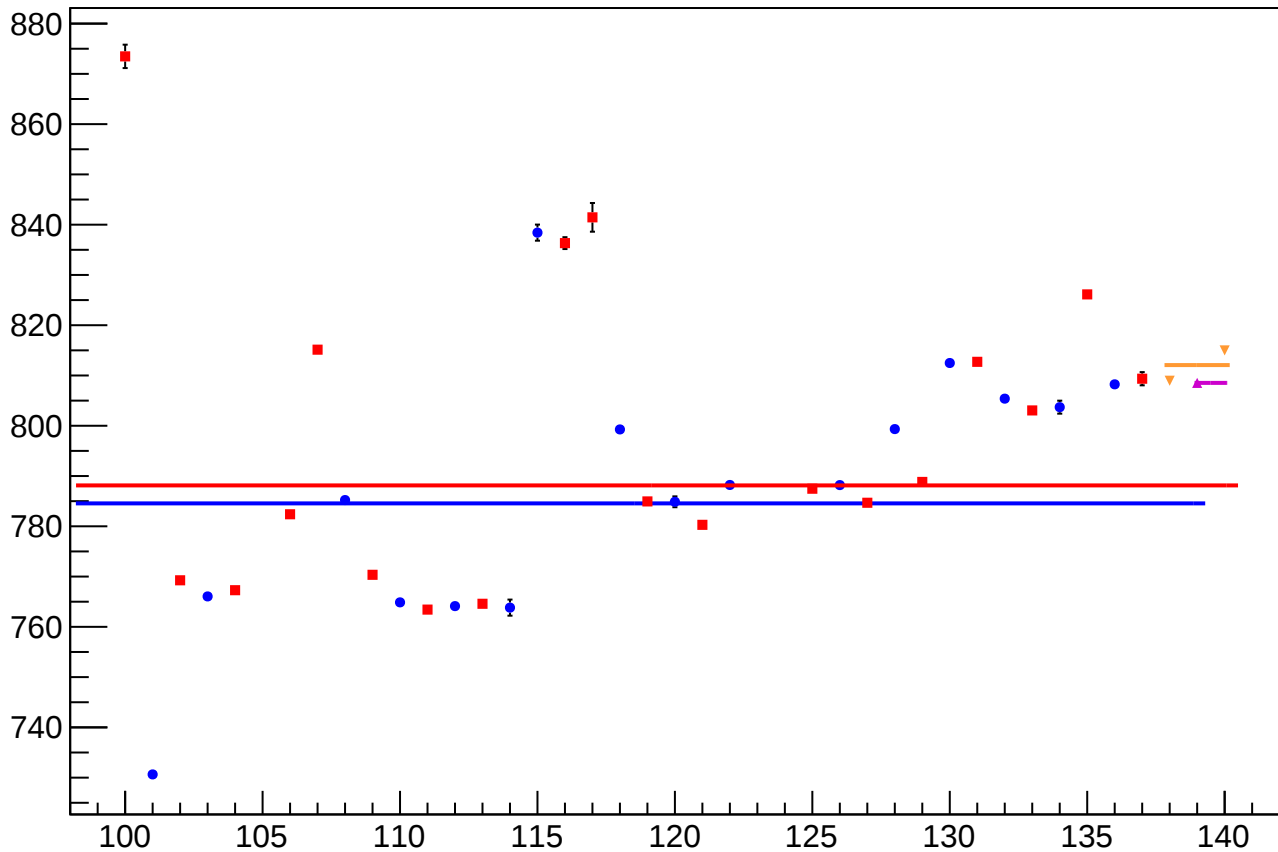
Right Out: -19.622 ± 296.930 χ^2/NDF : 13.4/18

Left In: 747.504 ± 948.887 χ^2/NDF : 0.0/0

-417.508 ± 276.305 χ^2/NDF : 9.9/17

48.797 ± 283.380 χ^2/NDF : 14.0/19

reg_asym_us_dd_rms vs Slug



Right In: 784.558+/-0.215 χ^2/NDF : 13677.7/15

Left Out: 812.071+/-0.464 χ^2/NDF : 42.2/1

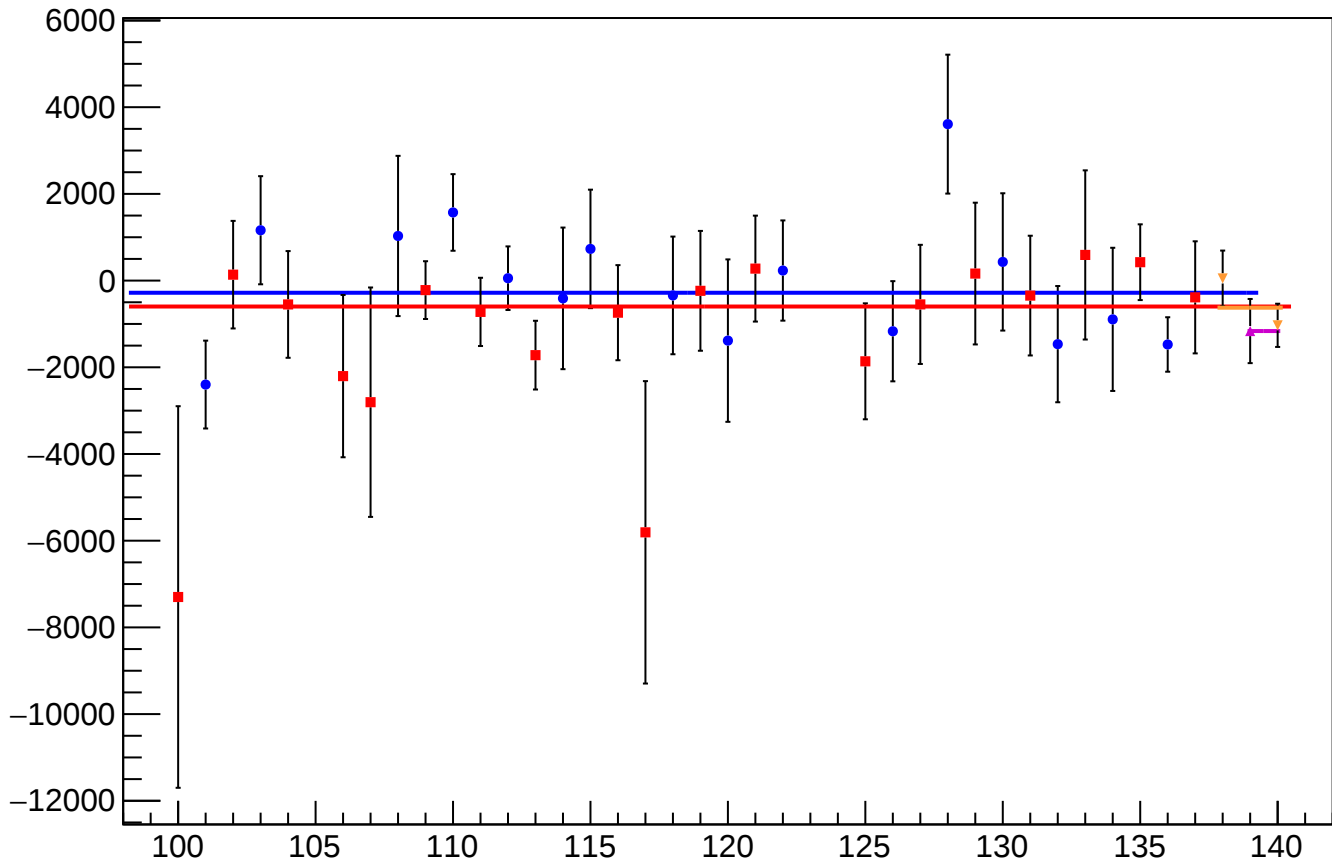
Right Out: 788.134+/-0.210 χ^2/NDF : 11259.7/18

Left In: 808.528+/-0.671 χ^2/NDF : 0.0/0

789.438+/-0.195 χ^2/NDF : 16613.6/17

789.953+/-0.200 χ^2/NDF : 12101.1/19

asym_us_dd_correction_mean vs Slug



Right In: -280.632+/-282.501 χ^2/NDF : 23.1/15

Left Out: -625.268+/-393.786 χ^2/NDF : 1.8/1

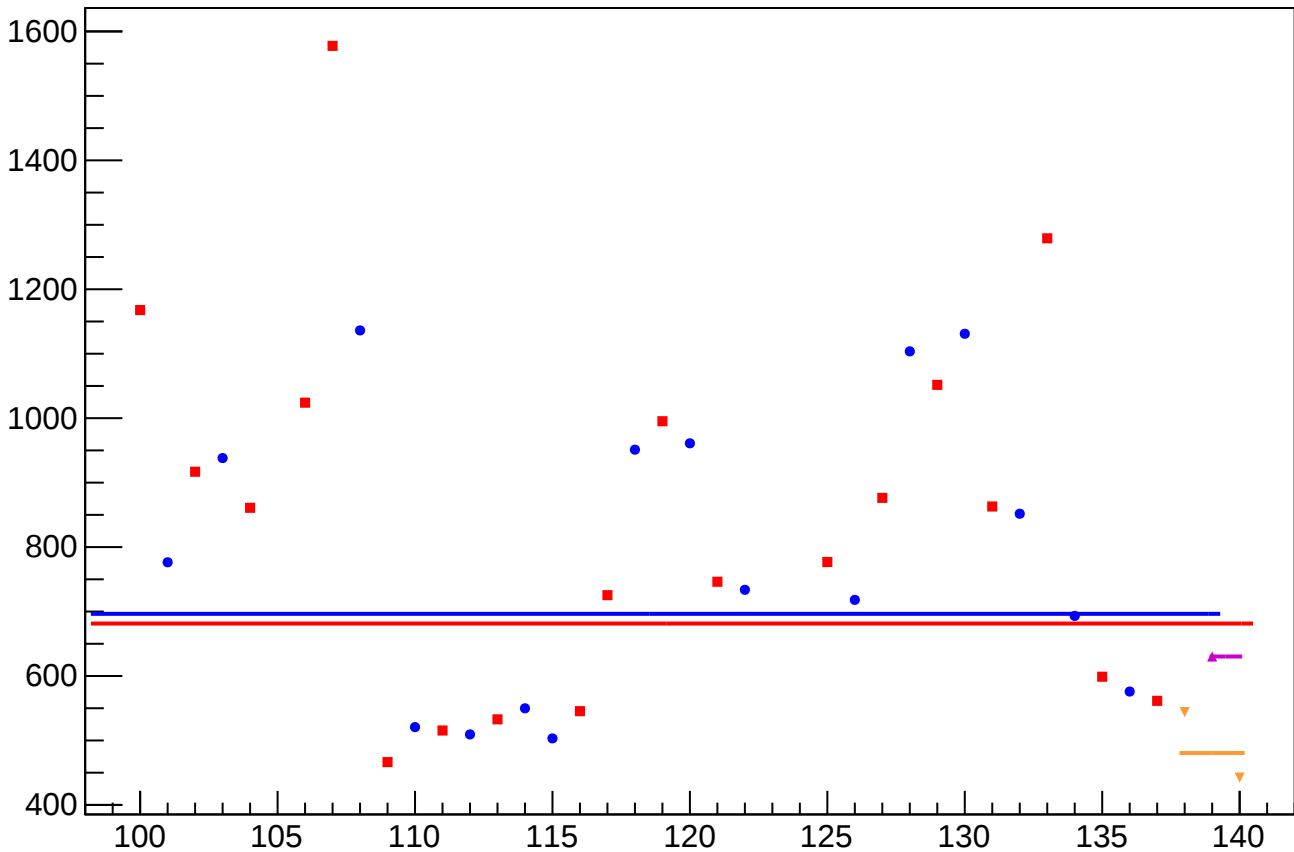
Right Out: -598.108+/-272.052 χ^2/NDF : 12.2/18

Left In: -1163.898+/-740.159 χ^2/NDF : 0.0/0

-397.734+/-229.542 χ^2/NDF : 25.4/17

-665.449+/-255.349 χ^2/NDF : 12.7/19

asym_us_dd_correction_rms vs Slug



Right In: 696.462+/-0.200 χ^2/NDF : 959490.0/15

Left Out: 480.608+/-0.278 χ^2/NDF : 31194.6/1

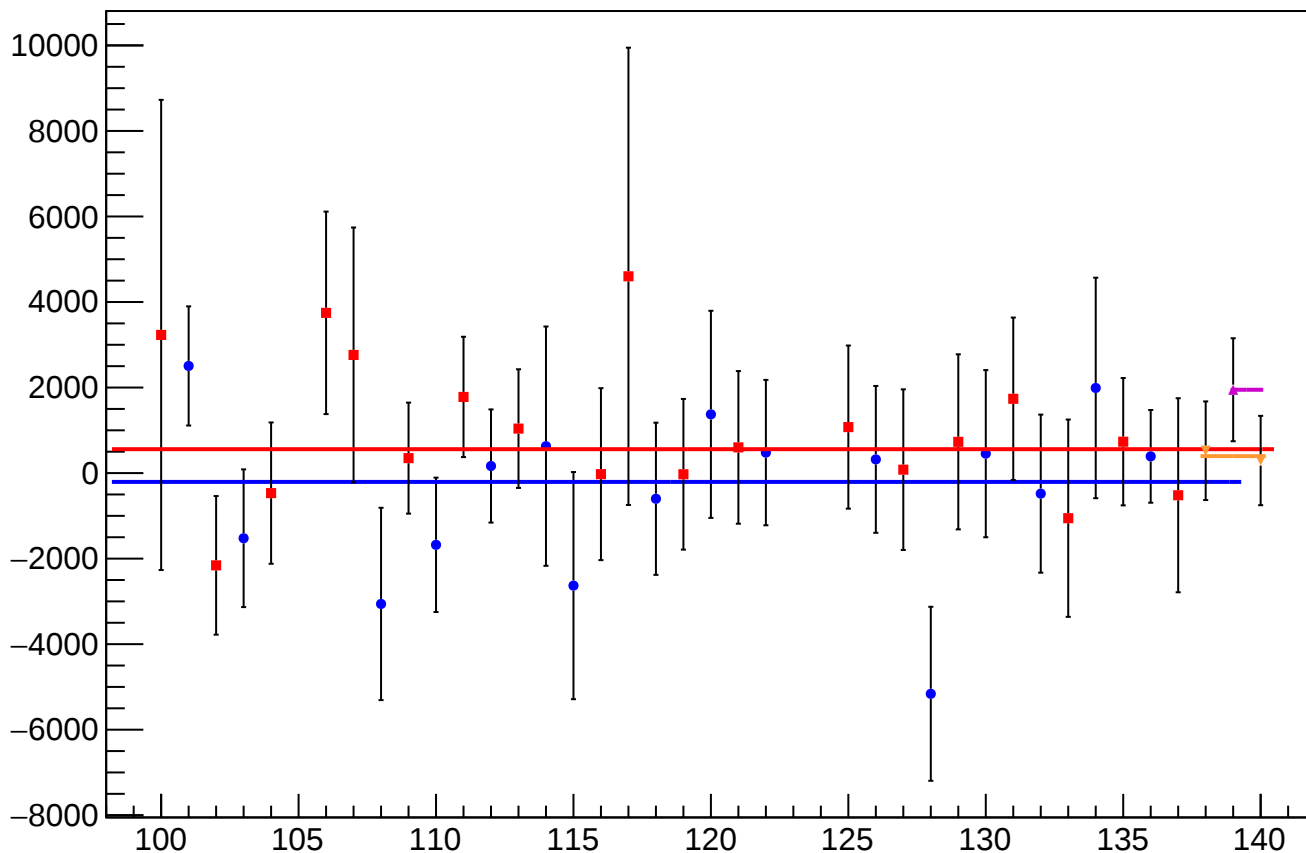
623.118+/-0.162 χ^2/NDF : 1387433.1/17

Right Out: 681.396+/-0.192 χ^2/NDF : 1352876.1/18

675.308+/-0.181 χ^2/NDF : 1361290.1/19

Left In: 630.248+/-0.523 χ^2/NDF : 0.0/0

asym_us_dd_mean vs Slug



Right In: -206.385+/-433.774 χ^2/NDF : 15.8/15

Left Out: 396.675+/-774.176 χ^2/NDF : 0.0/1

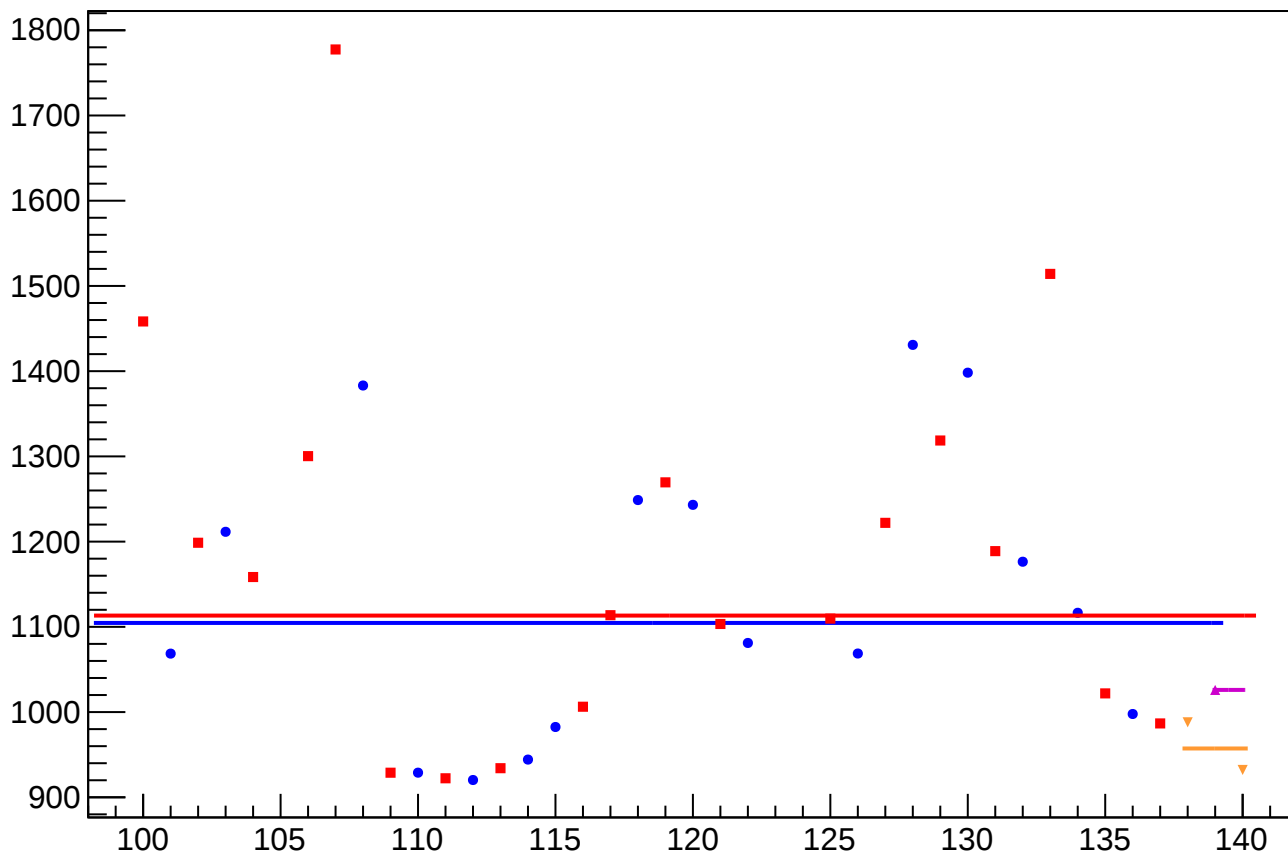
Right Out: 558.638+/-425.771 χ^2/NDF : 8.7/18

Left In: 1948.606+/-1204.230 χ^2/NDF : 0.0/0

-62.295+/-378.421 χ^2/NDF : 16.3/17

713.086+/-401.420 χ^2/NDF : 9.9/19

asym_us_dd_rms vs Slug



Right In: 1104.596+/-0.307 χ^2/NDF : 255488.3/15

Left Out: 957.279+/-0.547 χ^2/NDF :2580.5/1

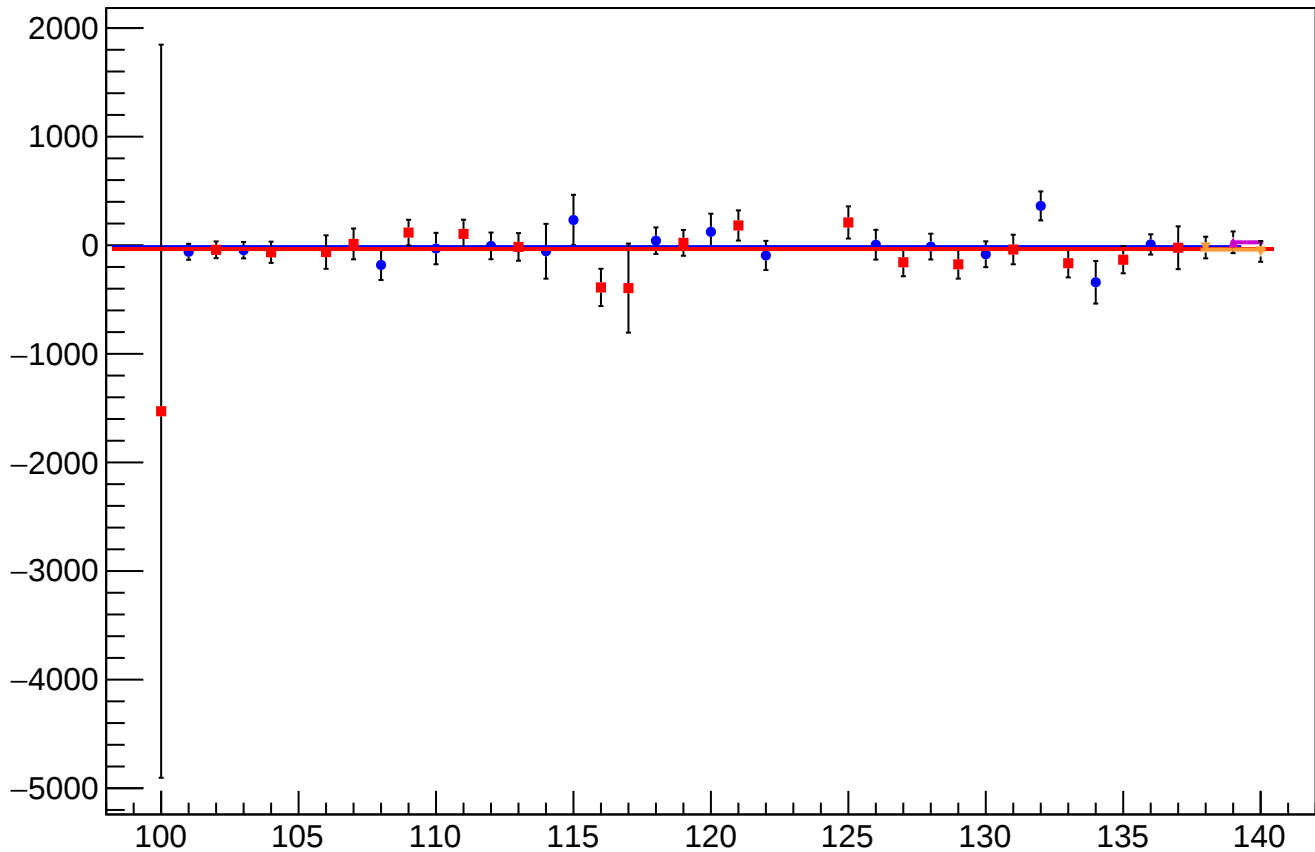
Right Out: 1113.218+/-0.301 χ^2/NDF : 362982.2/18

Left In: 1026.006+/-0.852 χ^2/NDF :0.0/0

1069.398+/-0.268 χ^2/NDF : 313185.3/17

1103.528+/-0.284 χ^2/NDF : 372306.3/19

reg_asym_ds_avg_mean vs Slug



Right In: -17.236+/-29.988 χ^2 /NDF: 15.6/15

Left Out: -39.603+/-68.911 χ^2 /NDF:0.1/1

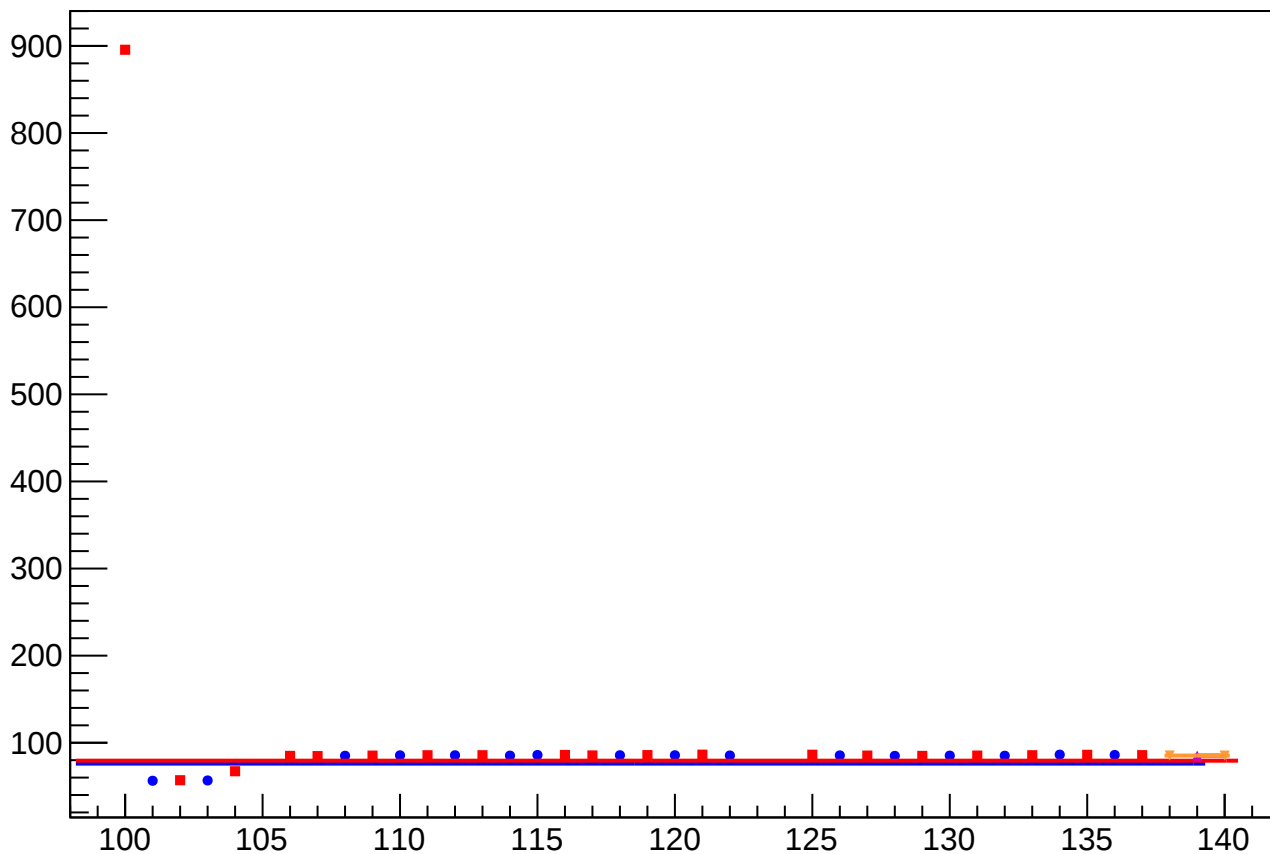
Right Out: -34.875+/-30.363 χ^2 /NDF: 17.3/18

Left In: 27.102+/-100.077 χ^2 /NDF:0.0/0

-20.798+/-27.497 χ^2 /NDF: 15.7/17

-29.651+/-29.055 χ^2 /NDF: 17.7/19

reg_asym_ds_avg_rms vs Slug



Right In: 76.079+/-0.021 χ^2/NDF : 409170.8/15

Left Out: 85.301+/-0.049 χ^2/NDF : 1.0/1

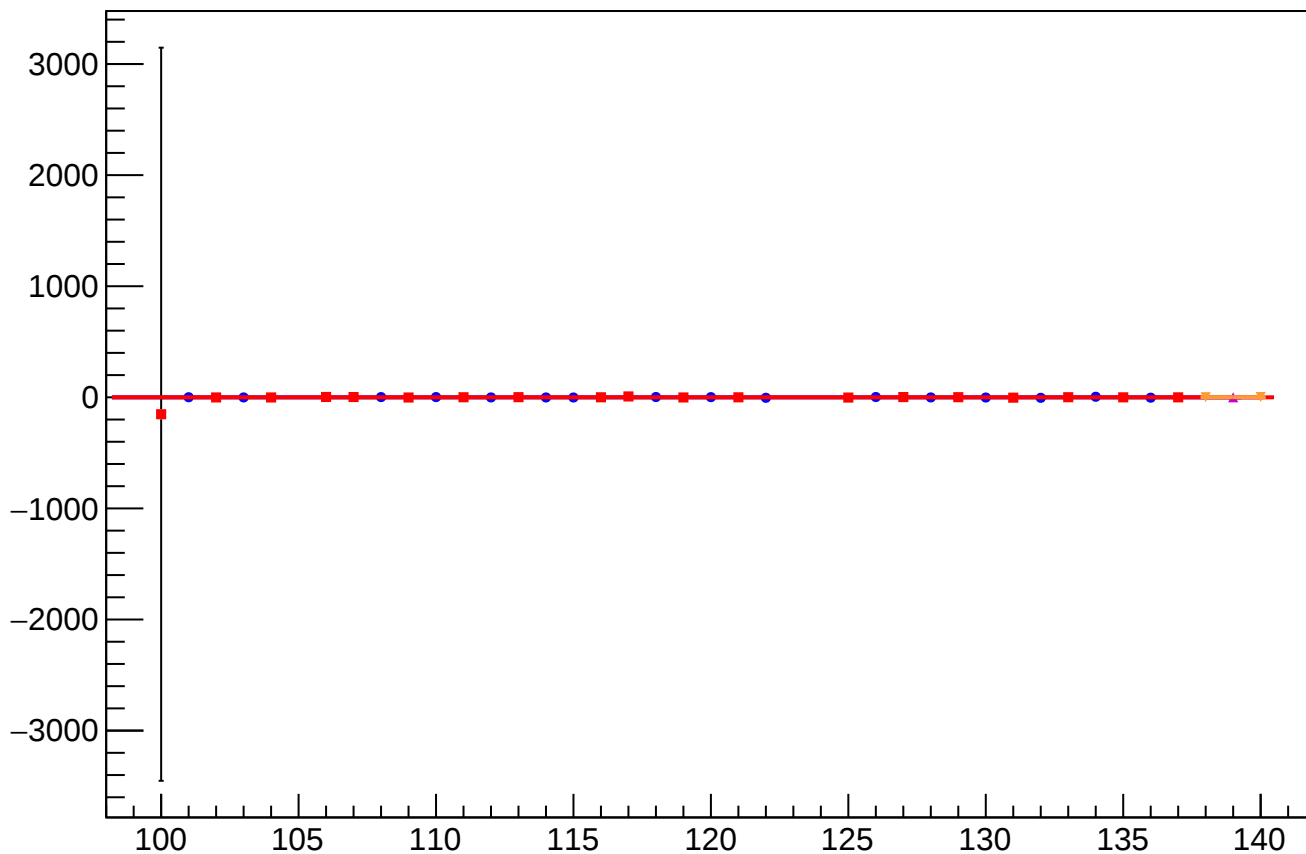
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.272+/-0.071 χ^2/NDF : 0.0/0

77.547+/-0.019 χ^2/NDF : 439284.8/17

79.916+/-0.021 χ^2/NDF : 385215.7/19

asym_ds_avg_correction_mean vs Slug



Right In: -0.281+/-0.501 χ^2/NDF : 21.2/15

Left Out: 1.669+/-1.300 χ^2/NDF : 0.4/1

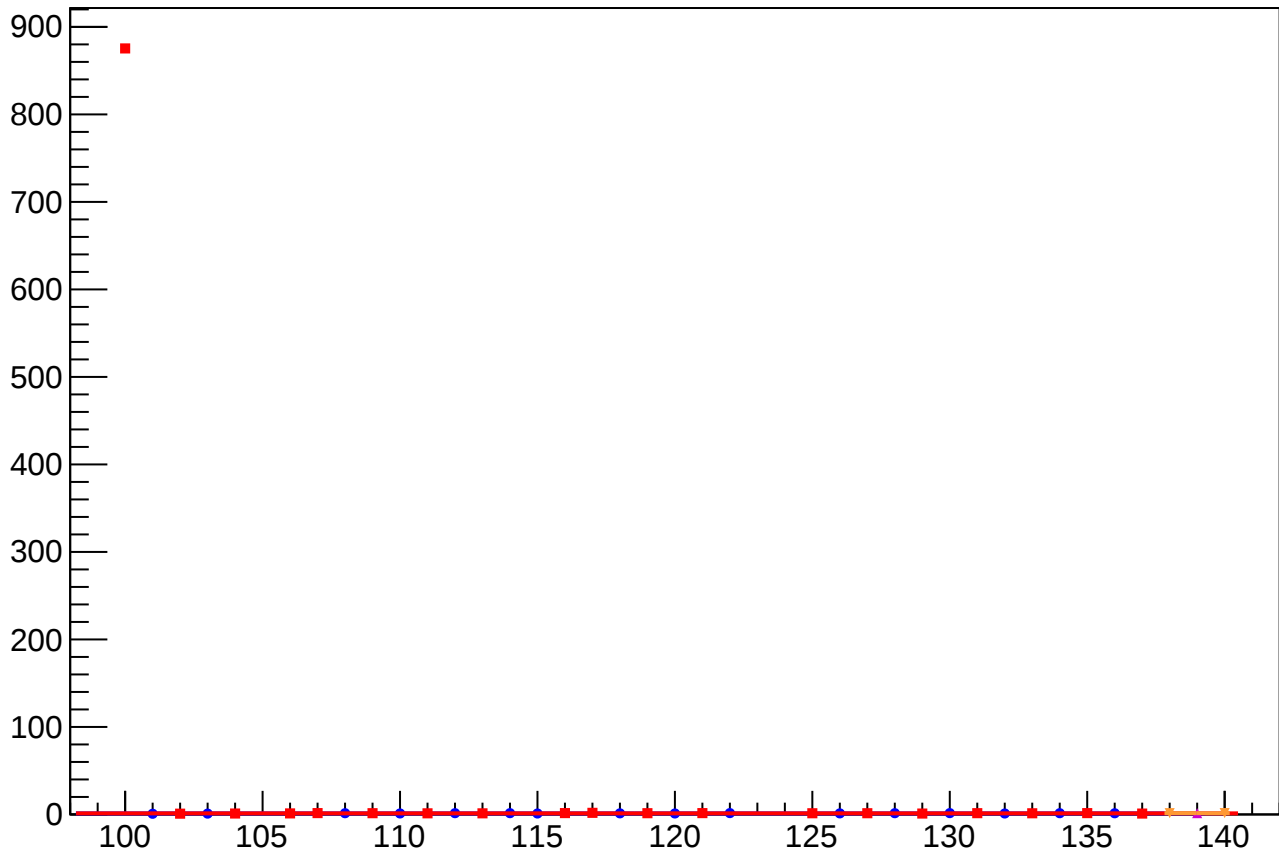
Right Out: -0.051+/-0.520 χ^2/NDF : 9.8/18

Left In: 0.184+/-1.869 χ^2/NDF : 0.0/0

-0.028+/-0.468 χ^2/NDF : 23.5/17

-0.035+/-0.501 χ^2/NDF : 9.8/19

asym_ds_avg_correction_rms vs Slug



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 514348.9/15

Left Out: 1.512 $\pm$ 0.001 χ^2 /NDF: 2577.1/1

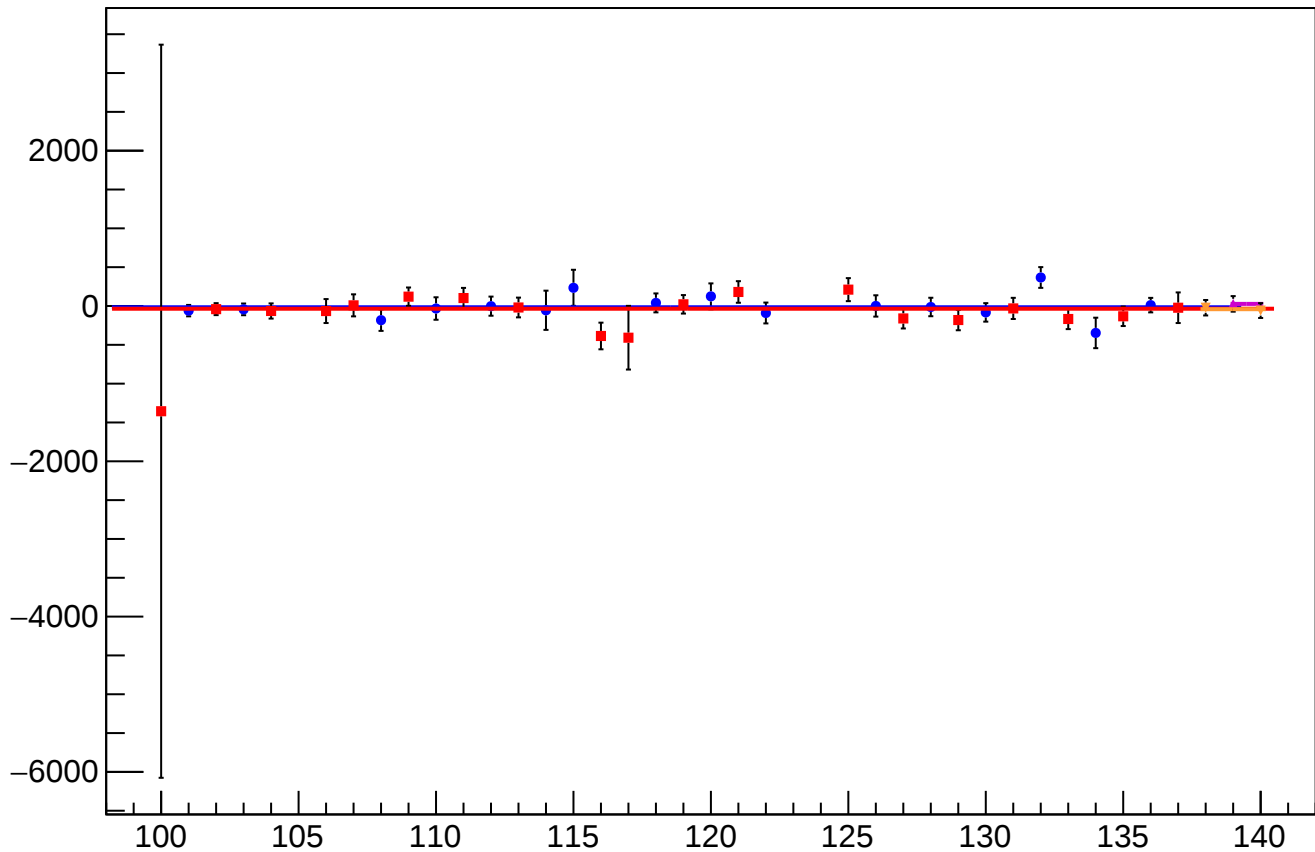
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

Left In: 1.517 $\pm$ 0.001 χ^2 /NDF: 0.0/0

1.199 $\pm$ 0.000 χ^2 /NDF: 650212.5/17

1.268 $\pm$ 0.000 χ^2 /NDF: 564165.0/19

asym_ds_avg_mean vs Slug



Right In: -16.311+/-29.996 χ^2/NDF : 15.9/15

Left Out: -41.171+/-68.930 χ^2/NDF : 0.1/1

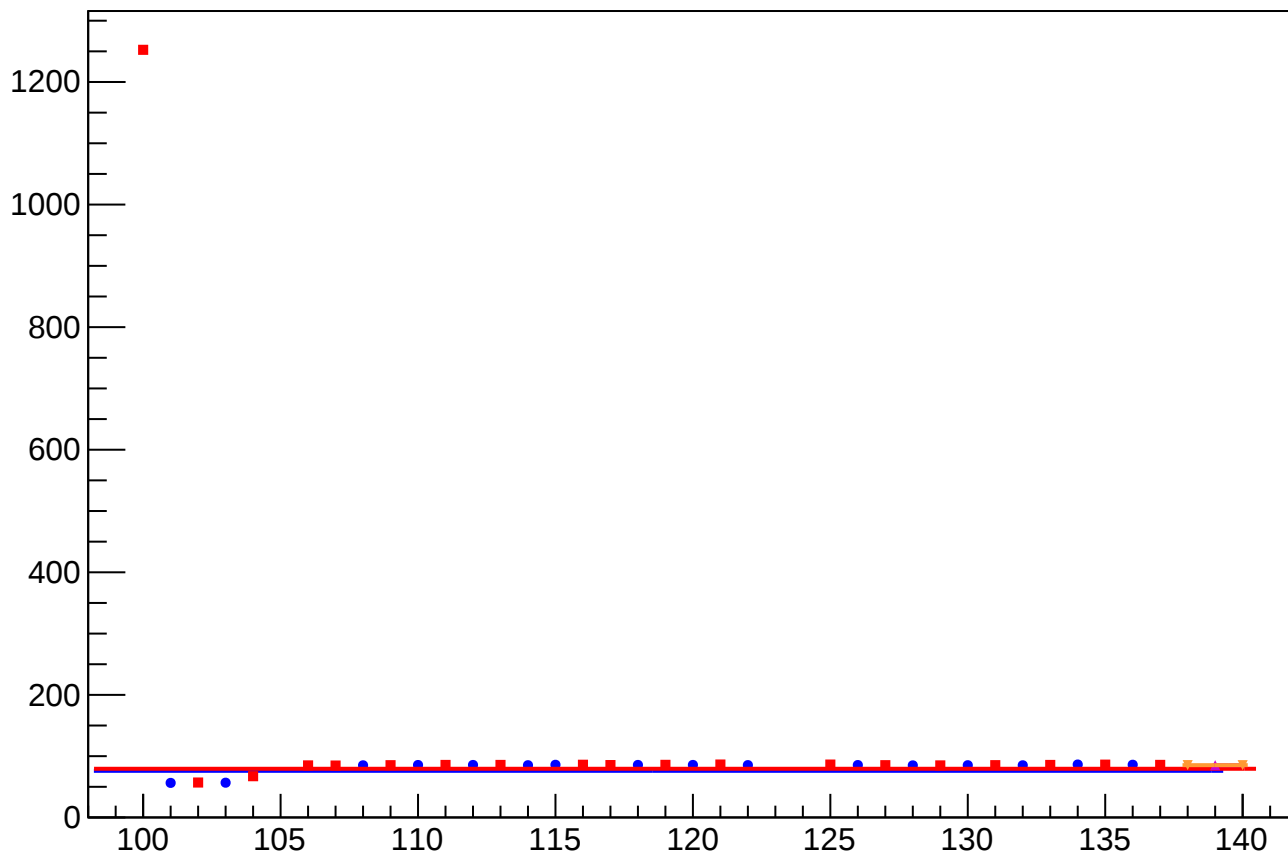
Right Out: -35.172+/-30.371 χ^2/NDF : 17.4/18

Left In: 27.199+/-100.103 χ^2/NDF : 0.0/0

-20.269+/-27.504 χ^2/NDF : 16.0/17

-29.915+/-29.063 χ^2/NDF : 17.7/19

asym_ds_avg_rms vs Slug



Right In: 76.099+/-0.021 χ^2/NDF : 409200.9/15

Left Out: 85.324+/-0.049 χ^2/NDF : 1.0/1

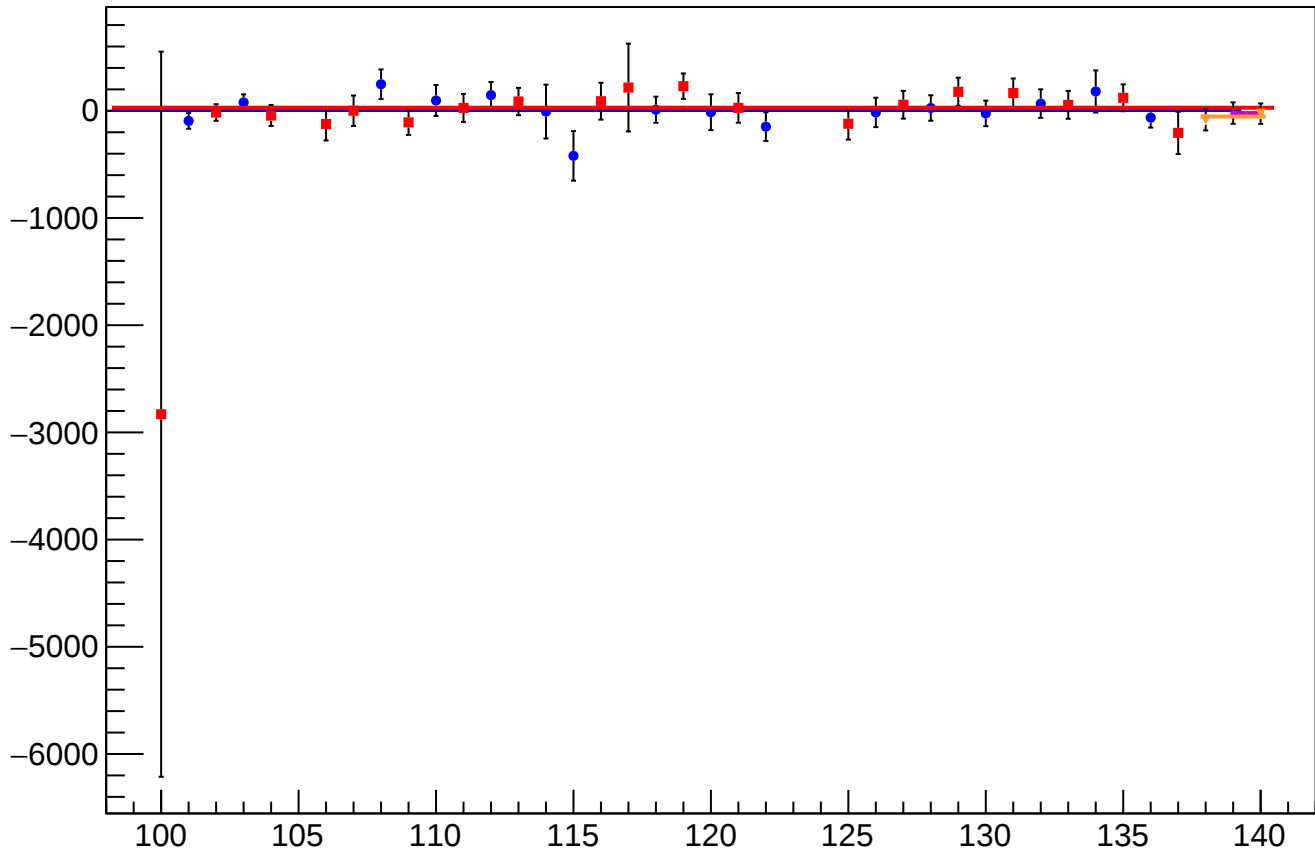
Right Out: 79.426+/-0.021 χ^2/NDF : 385484.8/18

Left In: 85.294+/-0.071 χ^2/NDF : 0.0/0

77.568+/-0.019 χ^2/NDF : 439317.8/17

79.921+/-0.021 χ^2/NDF : 391777.3/19

reg_asym_ds_dd_mean vs Slug



Right In: 7.460+/-29.969 χ^2/NDF : 13.9/15

Left Out: -53.678+/-68.949 χ^2/NDF : 0.2/1

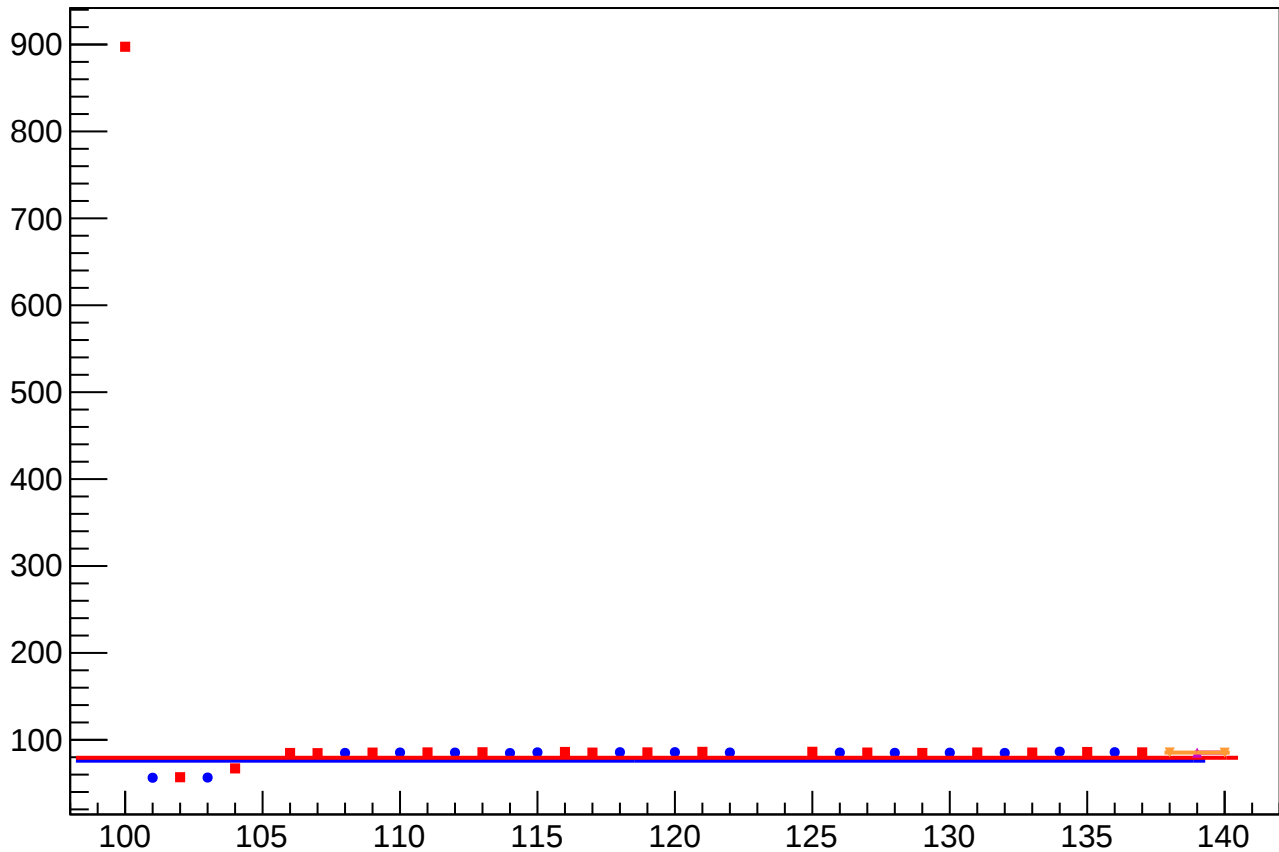
Right Out: 28.958+/-30.344 χ^2/NDF : 12.7/18

Left In: -21.266+/-100.146 χ^2/NDF : 0.0/0

-2.255+/-27.485 χ^2/NDF : 14.8/17

24.735+/-29.040 χ^2/NDF : 12.9/19

reg_asym_ds_dd_rms vs Slug



Right In: 76.032 $\pm$ 0.021 χ^2 /NDF: 408917.7/15

Left Out: 85.347 $\pm$ 0.049 χ^2 /NDF: 5.6/1

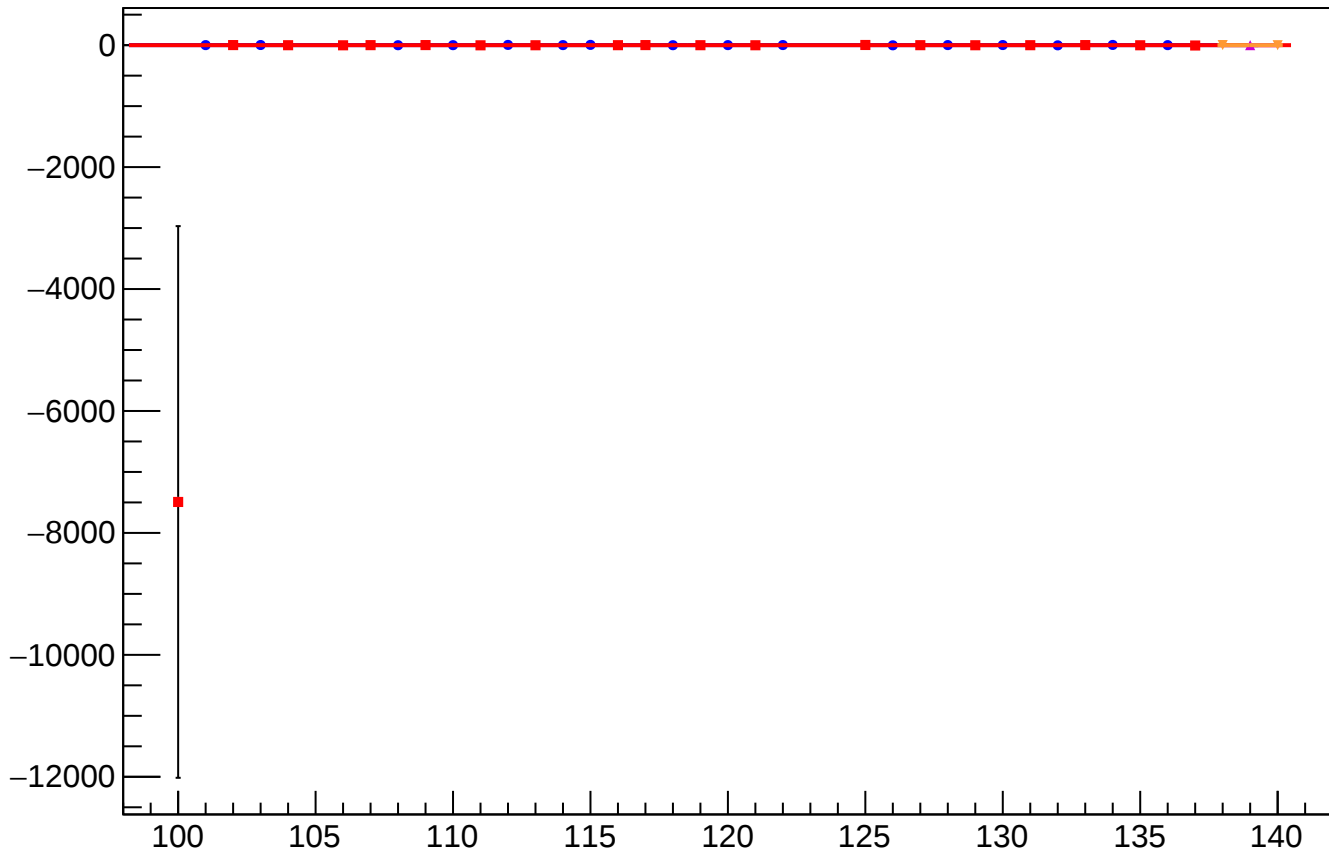
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

Left In: 85.331 $\pm$ 0.071 χ^2 /NDF: 0.0/0

77.512 $\pm$ 0.019 χ^2 /NDF: 439630.6/17

79.875 $\pm$ 0.021 χ^2 /NDF: 385275.0/19

asym_ds_dd_correction_mean vs Slug



Right In: 0.911+/-0.532 χ^2/NDF : 12.0/15

Left Out: 0.302+/-1.217 χ^2/NDF : 0.9/1

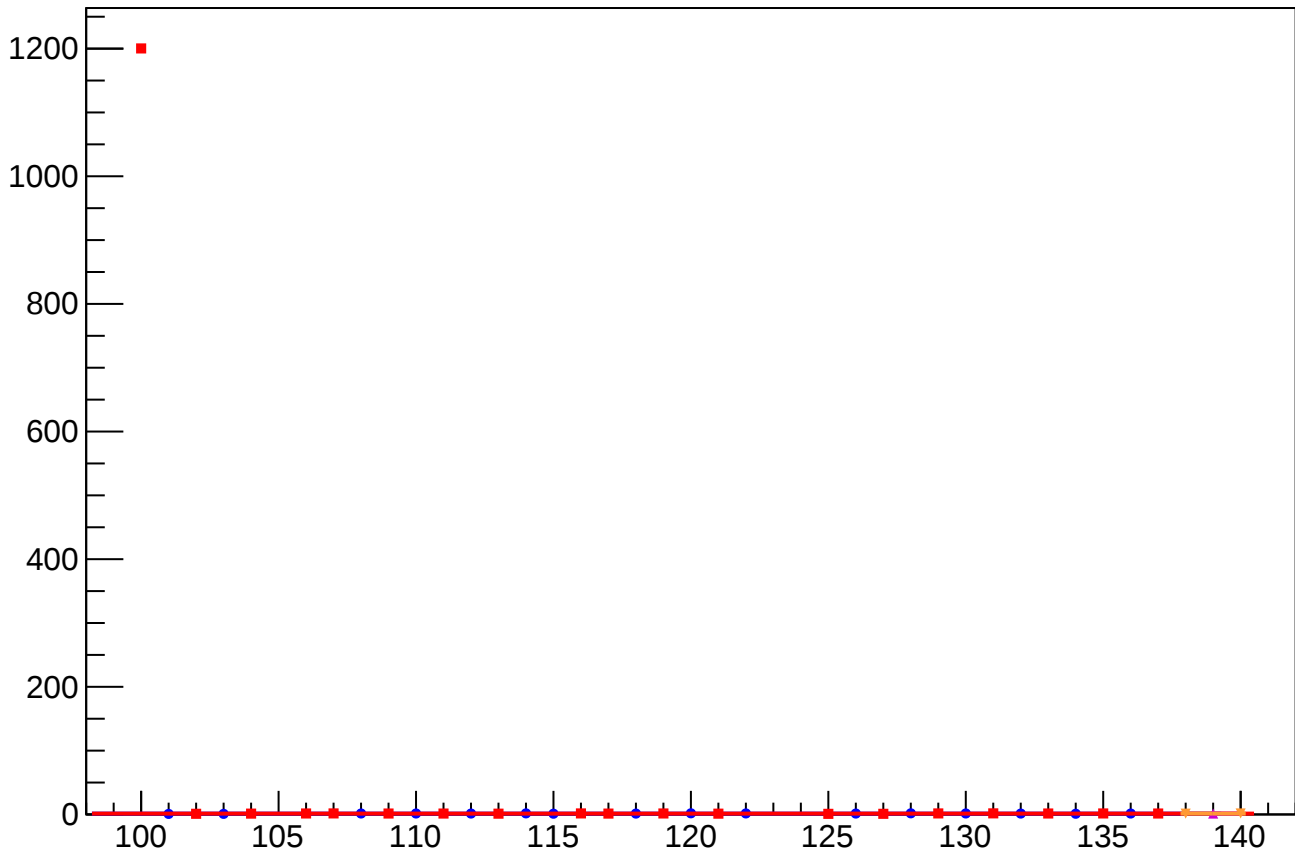
Right Out: -0.304+/-0.547 χ^2/NDF : 12.6/18

Left In: 0.085+/-1.777 χ^2/NDF : 0.0/0

0.813+/-0.488 χ^2/NDF : 13.1/17

-0.270+/-0.522 χ^2/NDF : 12.7/19

asym_ds_dd_correction_rms vs Slug



Right In: 1.238 $\pm$ 0.000 χ^2 /NDF: 657848.9/15

Left Out: 1.388 $\pm$ 0.001 χ^2 /NDF: 28943.8/1

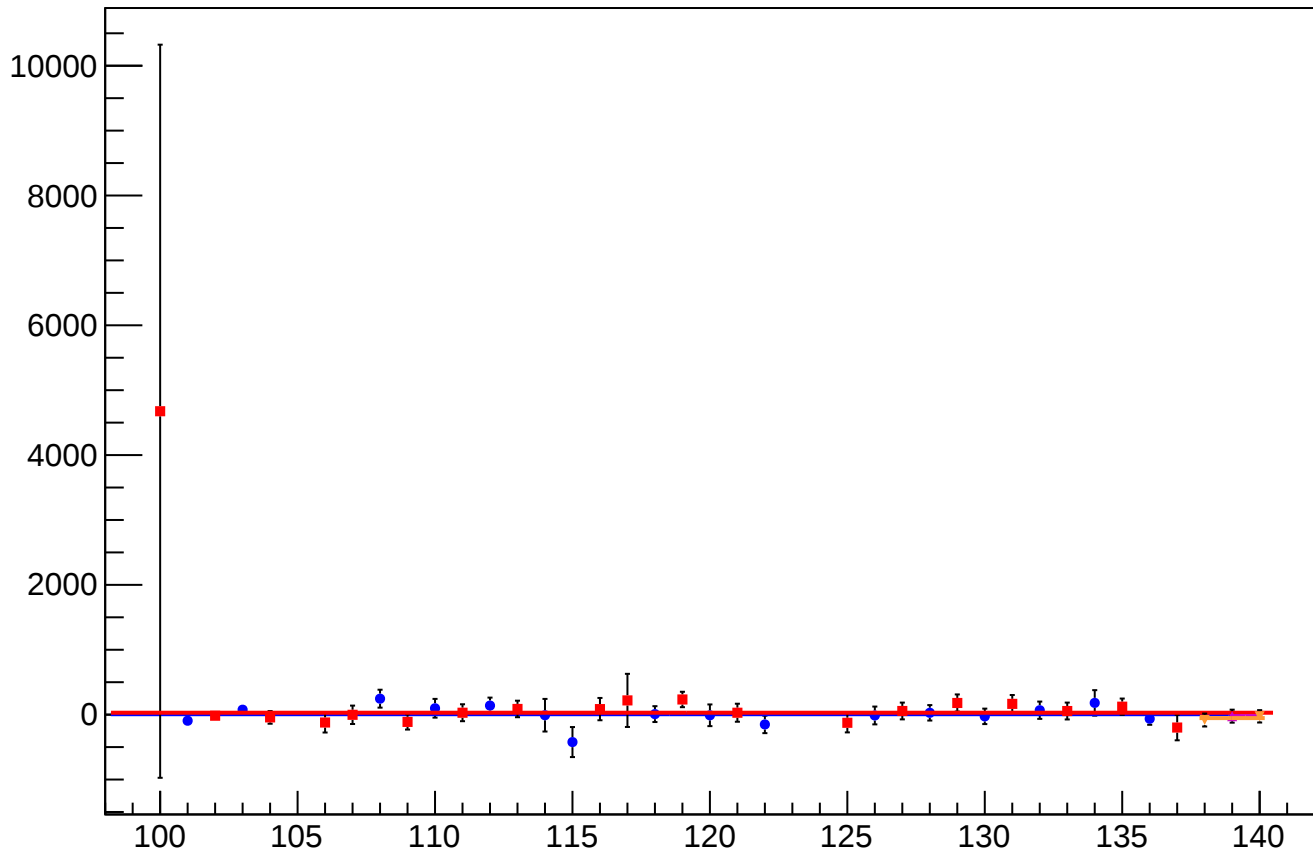
Right Out: 1.318 $\pm$ 0.000 χ^2 /NDF: 521623.7/18

Left In: 1.407 $\pm$ 0.001 χ^2 /NDF: 0.0/0

1.262 $\pm$ 0.000 χ^2 /NDF: 712276.4/17

1.325 $\pm$ 0.000 χ^2 /NDF: 526228.5/19

asym_ds_dd_mean vs Slug



Right In: 6.781+/-29.977 χ^2/NDF : 13.8/15

Left Out: -53.169+/-68.967 χ^2/NDF : 0.2/1

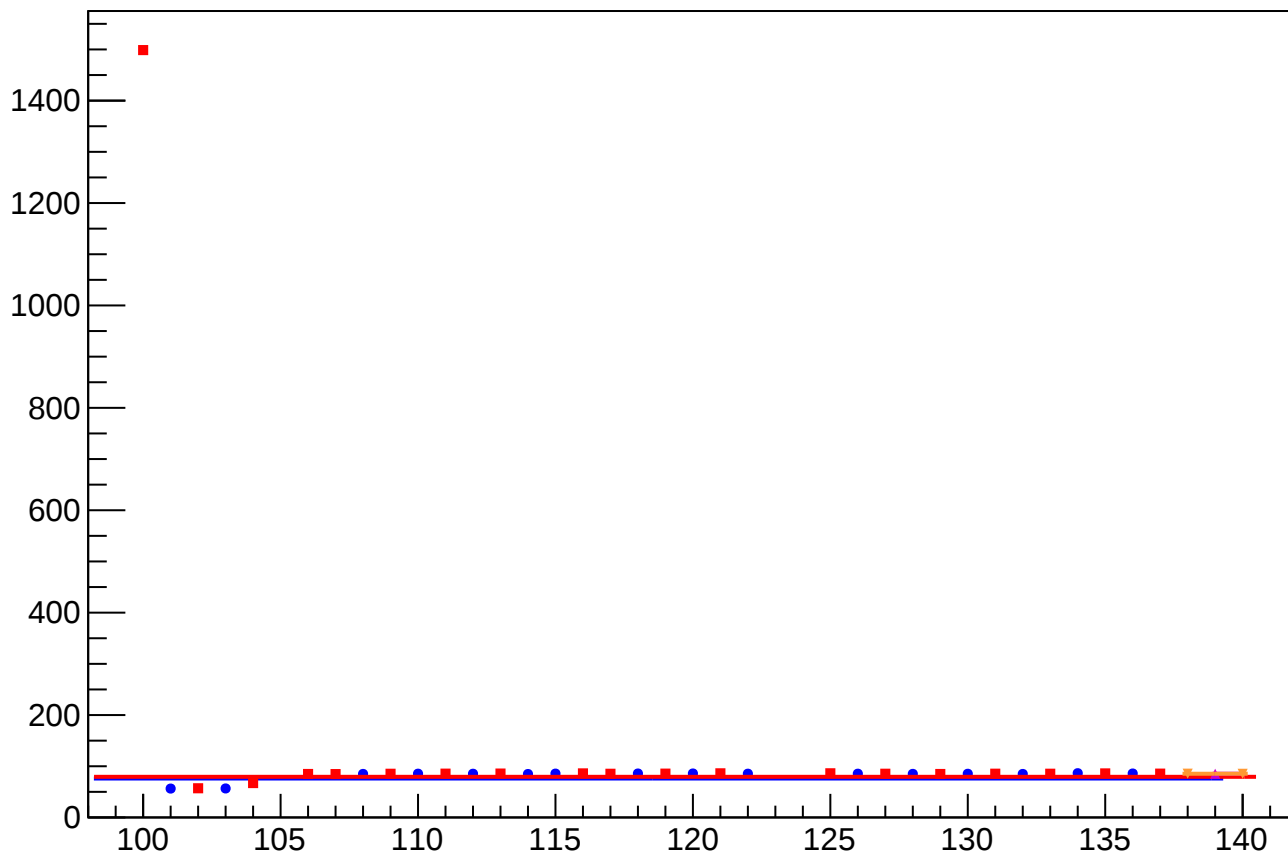
Right Out: 29.600+/-30.353 χ^2/NDF : 12.9/18

Left In: -23.443+/-100.174 χ^2/NDF : 0.0/0

-2.745+/-27.492 χ^2/NDF : 14.6/17

25.139+/-29.049 χ^2/NDF : 13.1/19

asym_ds_dd_rms vs Slug



Right In: 76.052+/-0.021 χ^2/NDF : 408962.1/15

Left Out: 85.370+/-0.049 χ^2/NDF : 5.4/1

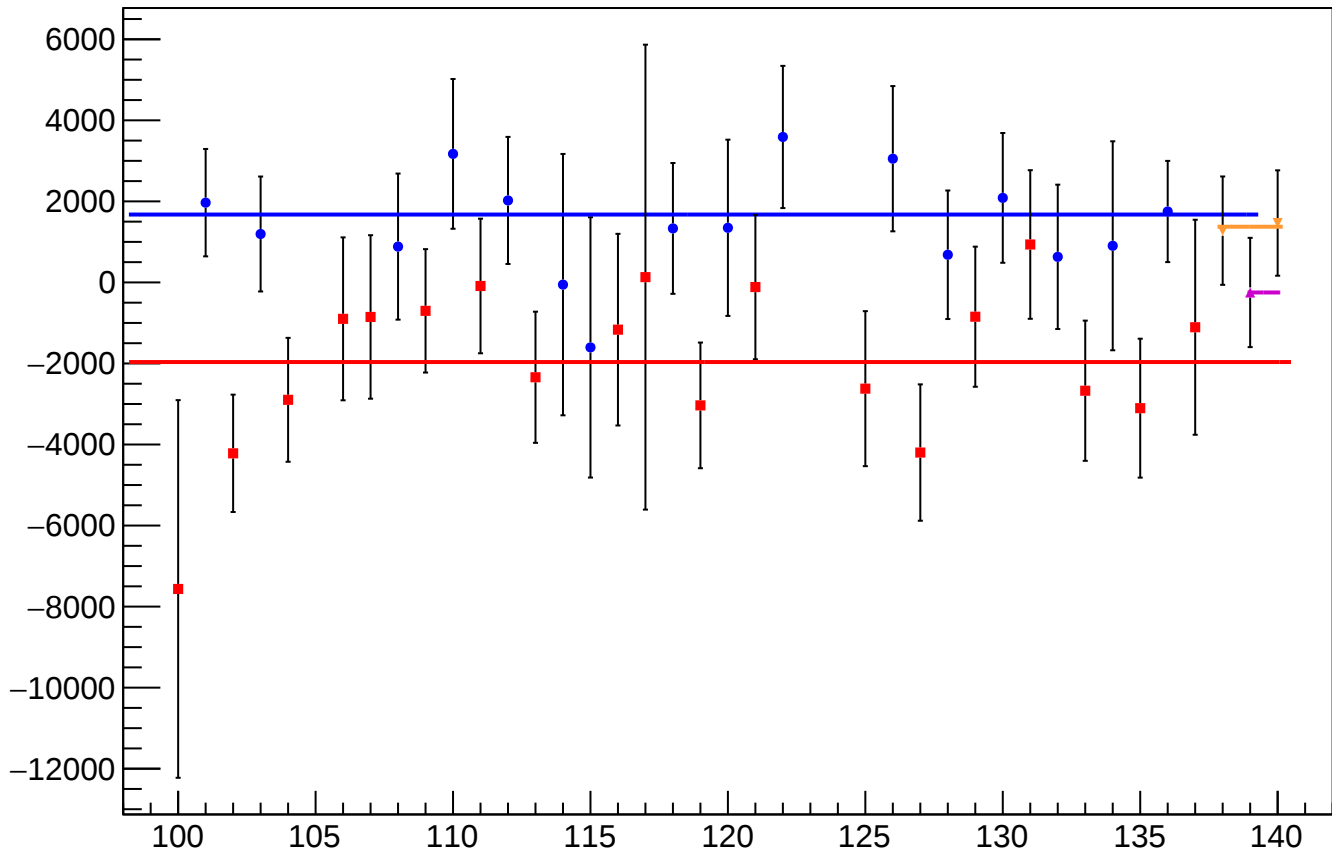
Right Out: 79.371+/-0.021 χ^2/NDF : 388057.0/18

Left In: 85.355+/-0.071 χ^2/NDF : 0.0/0

77.533+/-0.019 χ^2/NDF : 439673.4/17

79.874+/-0.021 χ^2/NDF : 394592.5/19

reg_asym_usl_mean vs Slug



Right In: 1674.993 $\pm$ 430.597 χ^2 /NDF: 5.1/15

Left Out: 1374.145 $\pm$ 932.133 χ^2 /NDF: 0.0/1

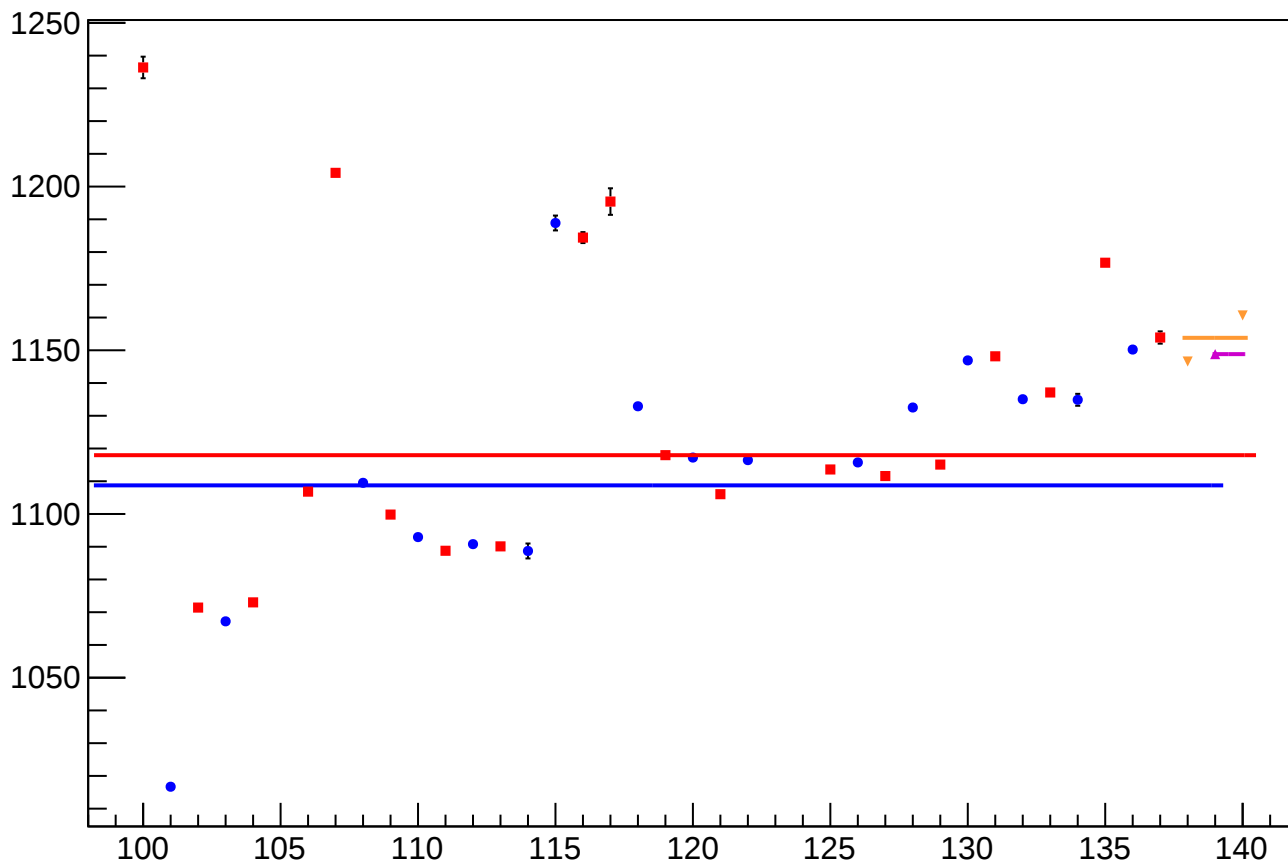
Right Out: -1964.936 $\pm$ 421.265 χ^2 /NDF: 14.2/18

Left In: -248.256 $\pm$ 1348.288 χ^2 /NDF: 0.0/0

1622.084 $\pm$ 390.904 χ^2 /NDF: 5.2/17

-1812.257 $\pm$ 402.095 χ^2 /NDF: 15.6/19

reg_asym_usl_rms vs Slug



Right In: 1108.739+/-0.304 χ^2/NDF : 18080.7/15

Left Out: 1153.802+/-0.659 χ^2/NDF : 113.9/1

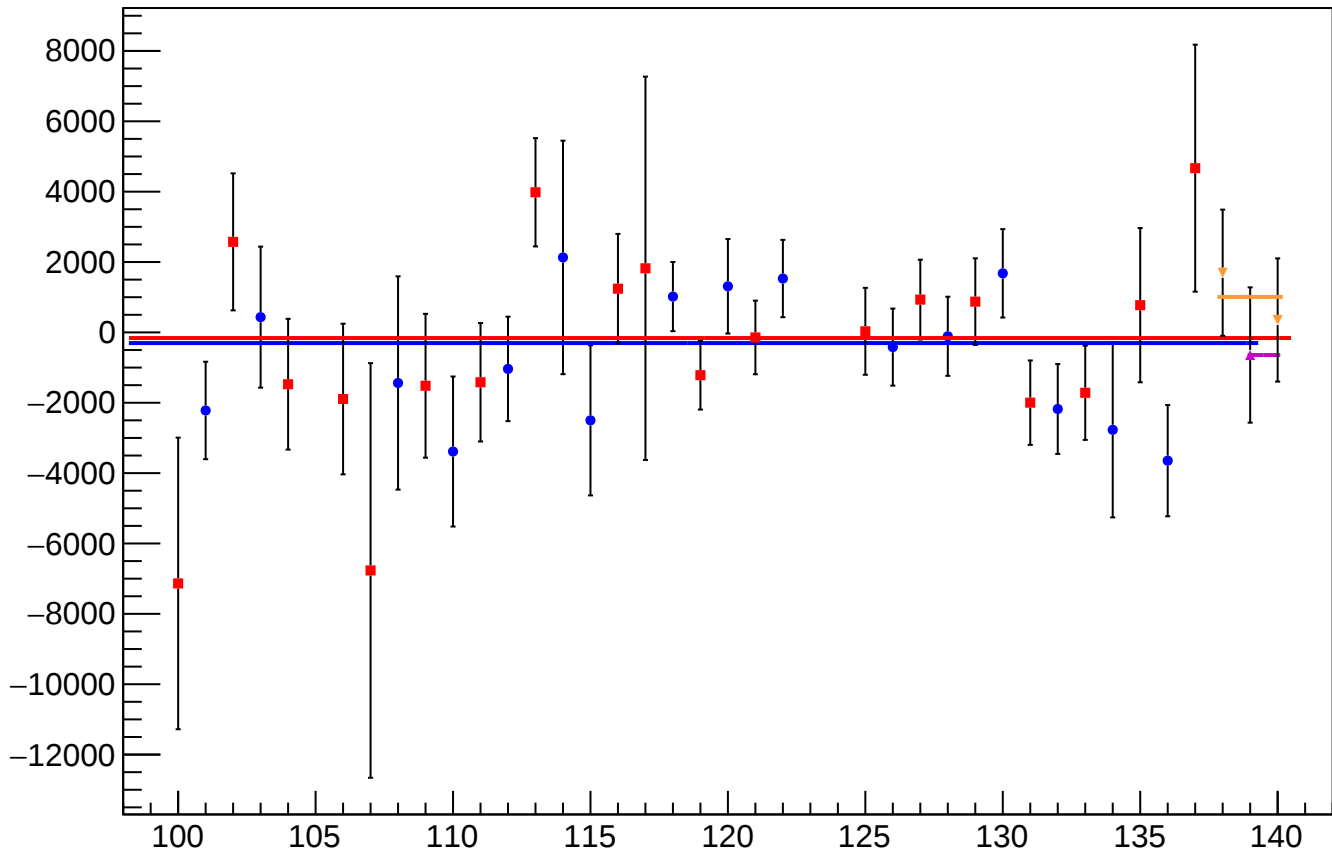
Right Out: 1117.959+/-0.298 χ^2/NDF : 15881.8/18

Left In: 1148.824+/-0.953 χ^2/NDF : 0.0/0

1116.664+/-0.276 χ^2/NDF : 22046.8/17

1120.704+/-0.284 χ^2/NDF : 16836.7/19

asym_usl_correction_mean vs Slug



Right In: -303.335+/-360.068 χ^2/NDF : 22.3/15

Left Out: 1008.500+/-1252.971 χ^2/NDF : 0.3/1

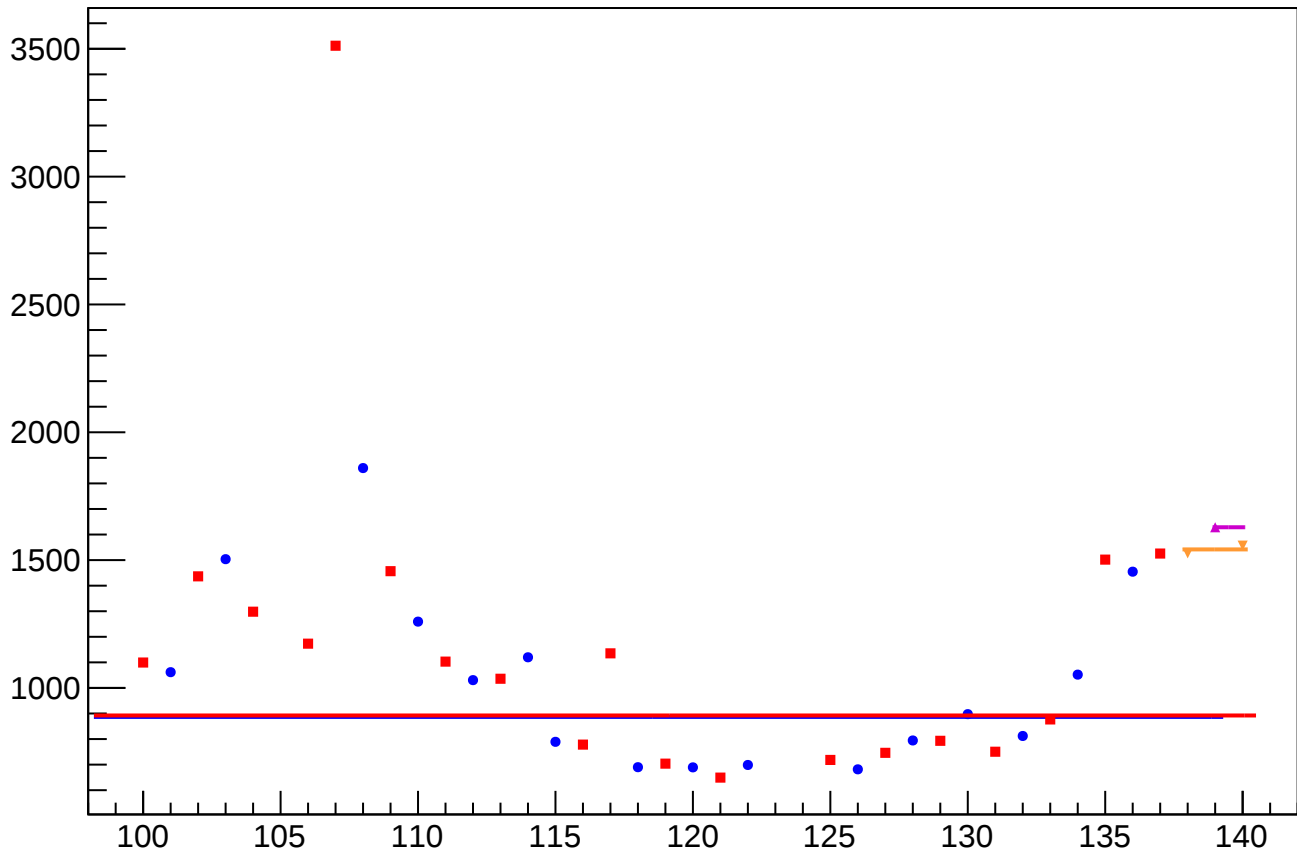
Right Out: -160.376+/-355.478 χ^2/NDF : 25.0/18

Left In: -643.020+/-1922.846 χ^2/NDF : 0.0/0

-203.265+/-346.062 χ^2/NDF : 23.6/17

-176.326+/-349.555 χ^2/NDF : 25.1/19

asym_usl_correction_rms vs Slug



Right In: 886.691+/-0.255 χ^2/NDF : 1060864.2/15

Left Out: 1541.810+/-0.886 χ^2/NDF :291.4/1

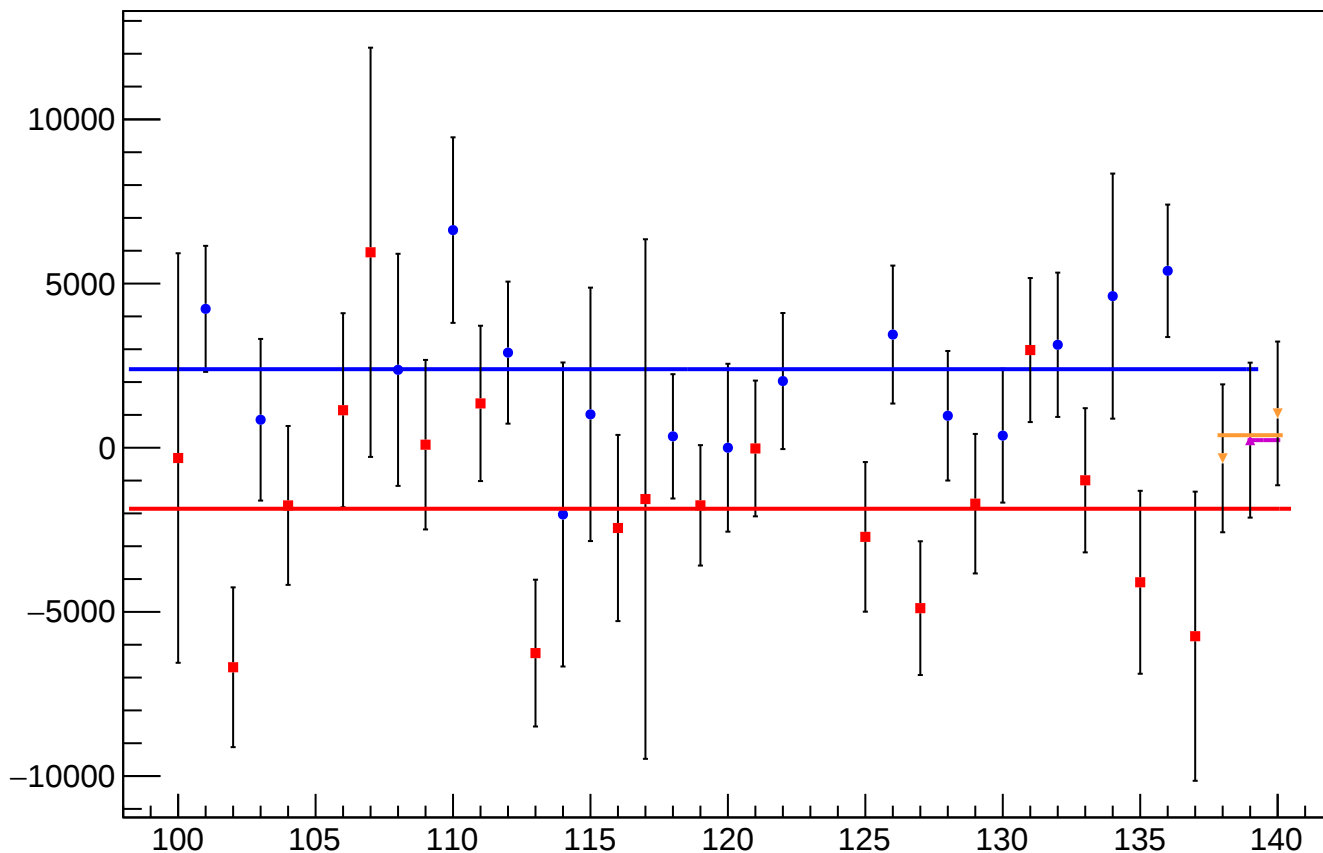
936.665+/-0.245 χ^2/NDF : 1566197.2/17

Right Out: 892.236+/-0.251 χ^2/NDF : 1418185.6/18

916.567+/-0.247 χ^2/NDF : 1701716.7/19

Left In: 1628.489+/-1.360 χ^2/NDF :0.0/0

asym_usl_mean vs Slug



Right In: 2392.385+/-588.991 χ^2/NDF : 11.2/15

Left Out: 381.356+/-1569.749 χ^2/NDF : 0.2/1

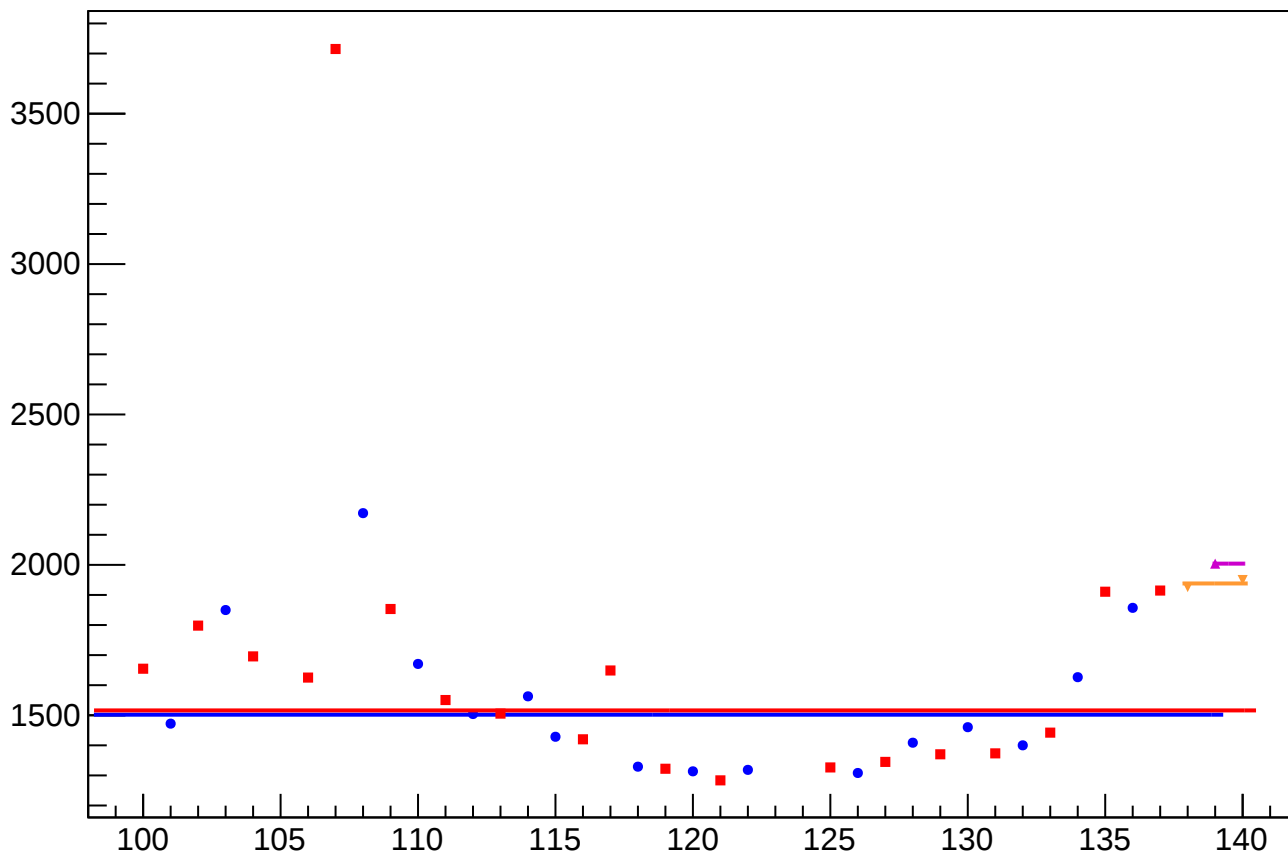
Right Out: -1858.263+/-581.542 χ^2/NDF : 22.5/18

Left In: 231.200+/-2359.596 χ^2/NDF : 0.0/0

2144.202+/-551.451 χ^2/NDF : 12.8/17

-1738.613+/-564.646 χ^2/NDF : 23.2/19

asym_usl_rms vs Slug



Right In: 1501.937+/-0.416 χ^2/NDF : 254549.7/15

Left Out: 1938.168+/-1.110 χ^2/NDF :112.2/1

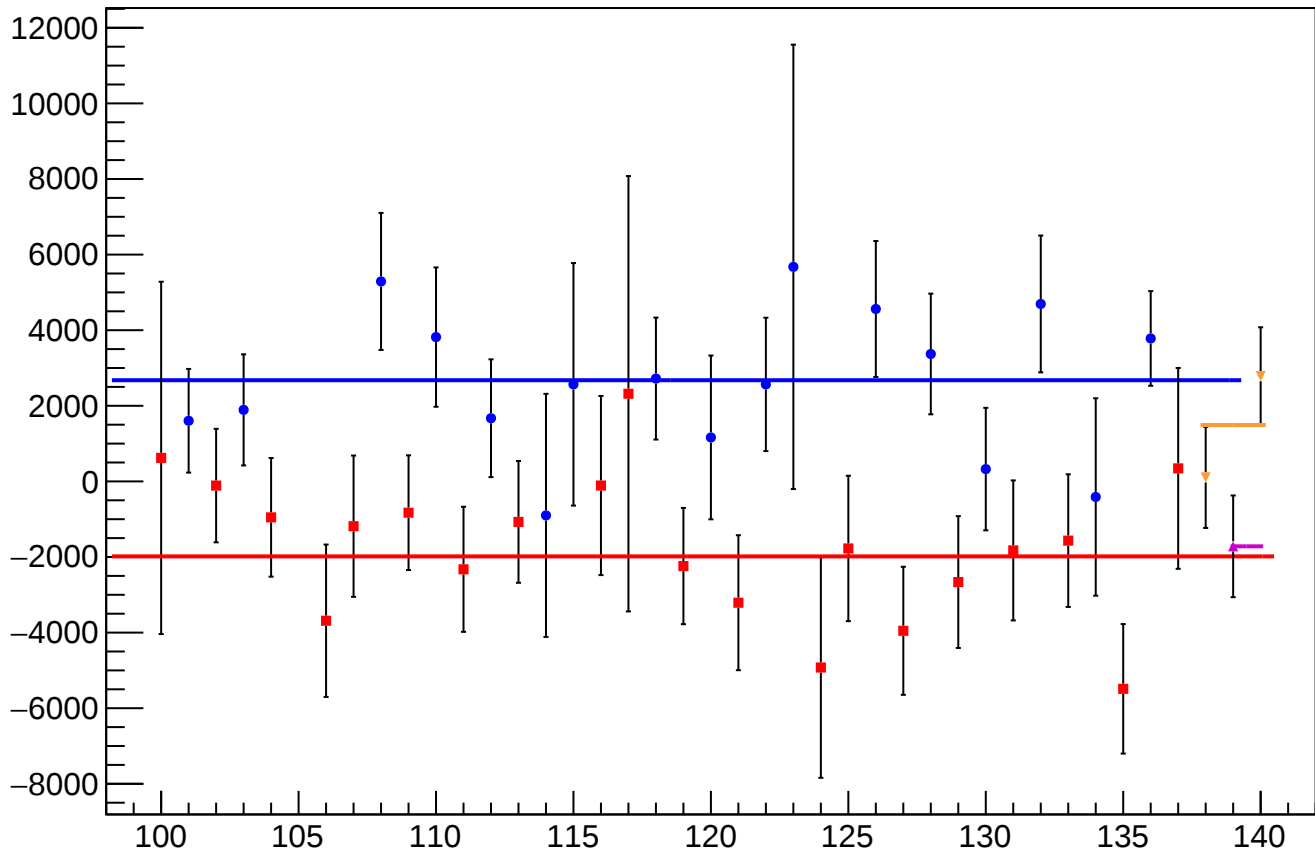
Right Out: 1516.127+/-0.411 χ^2/NDF : 480325.9/18

Left In: 2004.094+/-1.668 χ^2/NDF :0.0/0

1555.772+/-0.390 χ^2/NDF : 390056.1/17

1544.069+/-0.399 χ^2/NDF : 560961.5/19

reg_asym_usr_mean vs Slug



Right In: 2676.683 $\pm$ 433.582 χ^2 /NDF: 12.6/16

Left Out: 1491.708 $\pm$ 929.508 χ^2 /NDF: 2.1/1

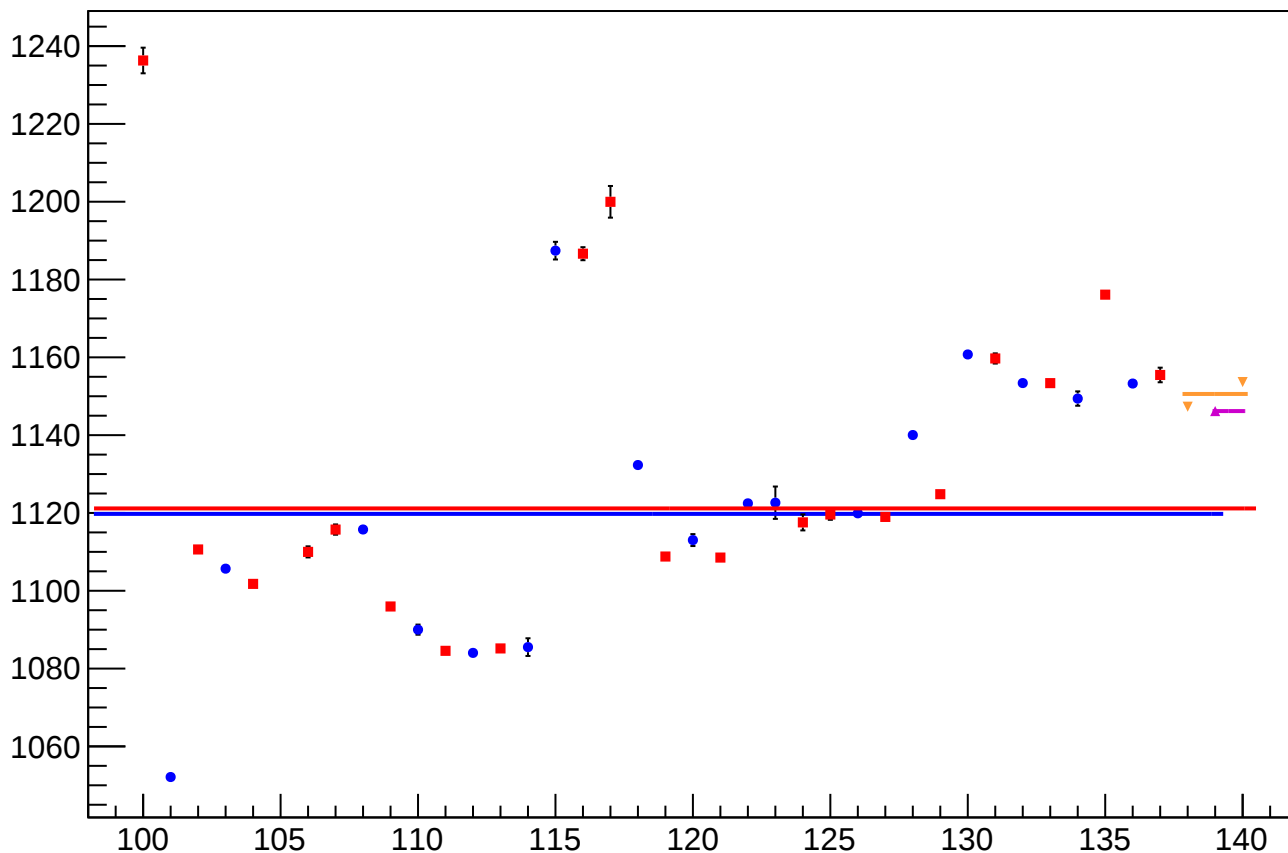
Right Out: -1983.779 $\pm$ 418.059 χ^2 /NDF: 13.4/19

Left In: -1717.821 $\pm$ 1345.190 χ^2 /NDF: 0.0/0

2464.923 $\pm$ 392.935 χ^2 /NDF: 16.0/18

-1960.354 $\pm$ 399.223 χ^2 /NDF: 13.4/20

reg_asym_usr_rms vs Slug



Right In: 1119.762 $\pm$ 0.307 χ^2 /NDF: 11876.8/16

Left Out: 1150.587 $\pm$ 0.657 χ^2 /NDF: 23.2/1

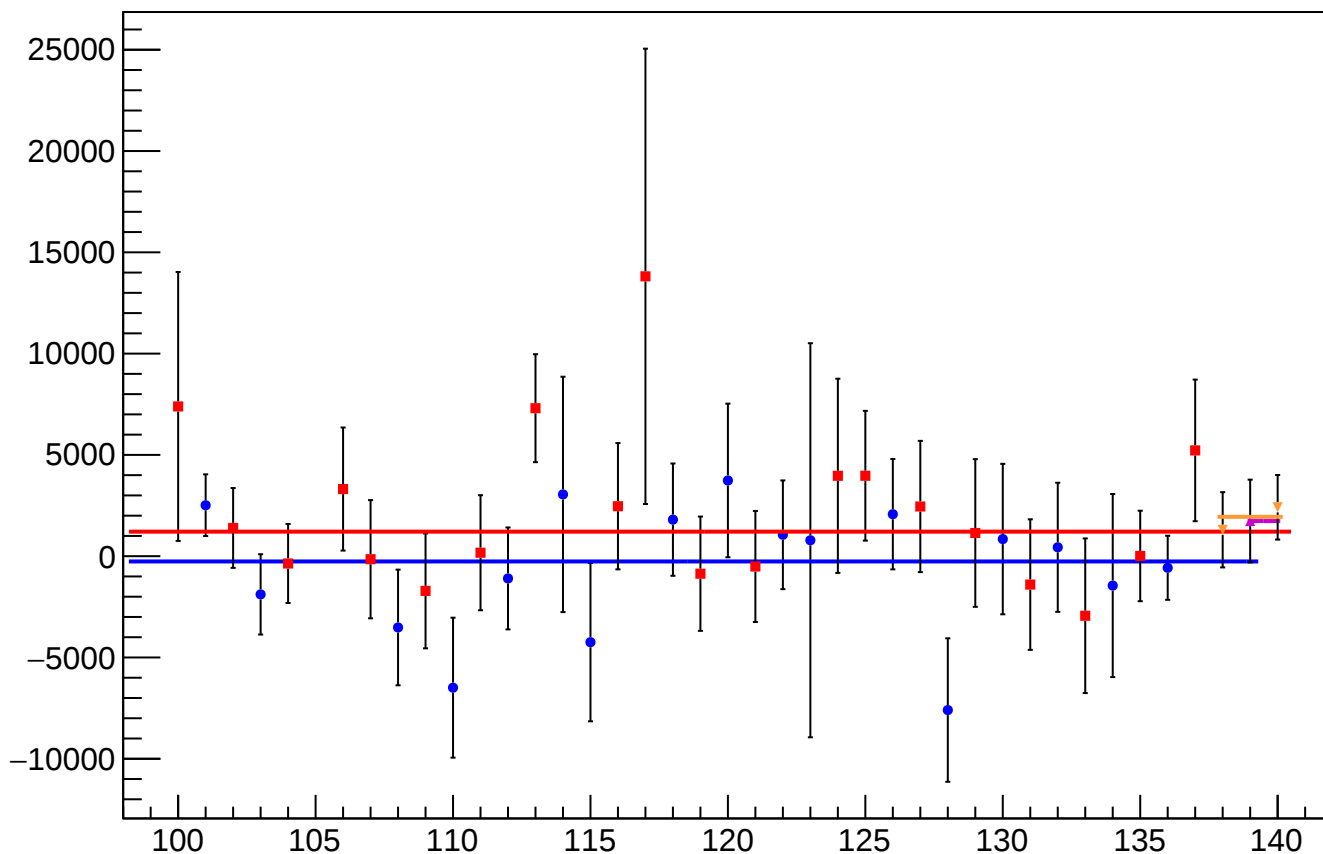
Right Out: 1121.164 $\pm$ 0.296 χ^2 /NDF: 10310.8/19

Left In: 1146.188 $\pm$ 0.951 χ^2 /NDF: 0.0/0

1125.271 $\pm$ 0.278 χ^2 /NDF: 13706.6/18

1123.368 $\pm$ 0.282 χ^2 /NDF: 10941.9/20

asym_usr_correction_mean vs Slug



Right In: -259.821+/-655.275 χ^2/NDF : 17.2/16

Left Out: 1943.369+/-1209.591 χ^2/NDF : 0.2/1

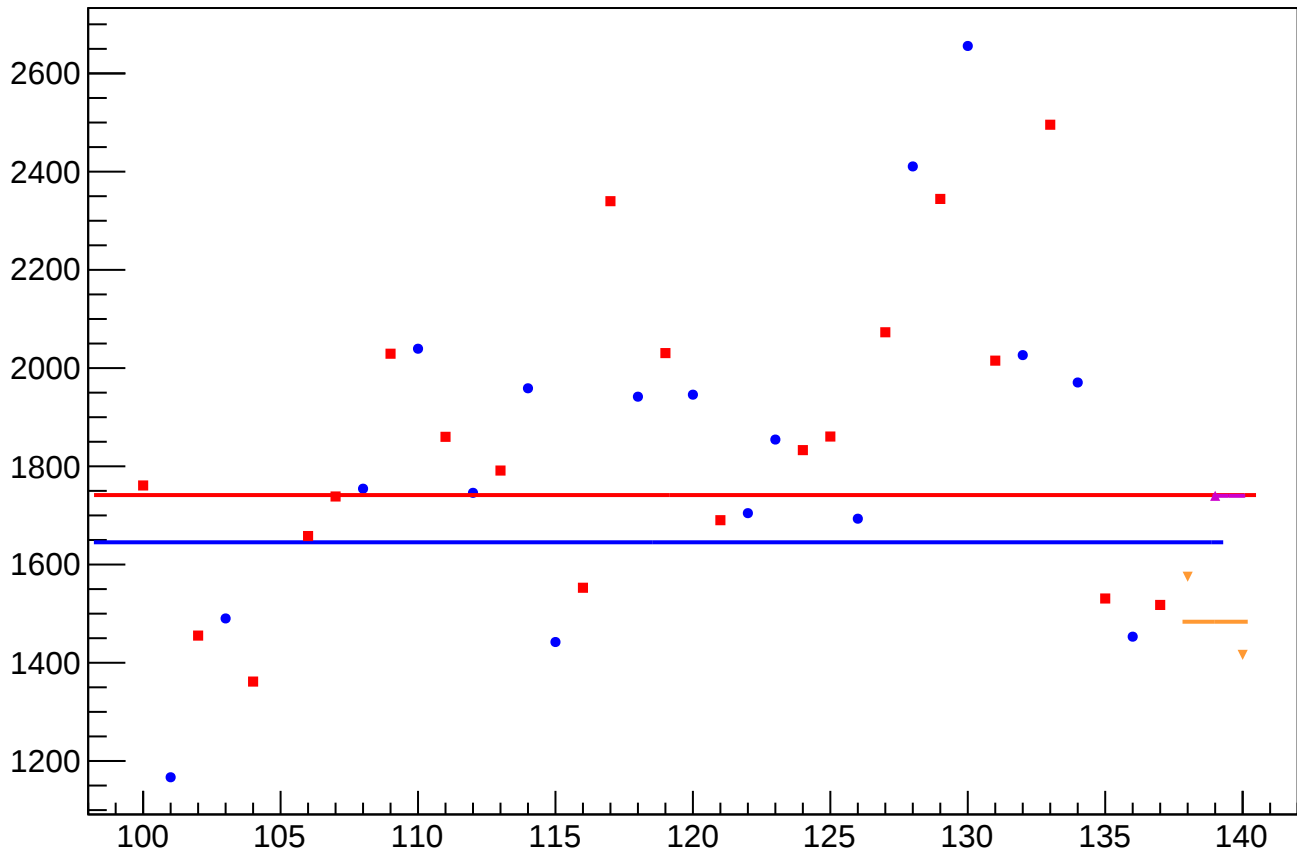
Right Out: 1211.378+/-661.281 χ^2/NDF : 15.7/19

Left In: 1734.184+/-2043.854 χ^2/NDF : 0.0/0

240.058+/-576.162 χ^2/NDF : 20.0/18

1260.920+/-629.169 χ^2/NDF : 15.7/20

asym_usr_correction_rms vs Slug



Right In: 1645.307+/-0.463 χ^2/NDF : 600915.2/16

Left Out: 1483.559+/-0.855 χ^2/NDF : 8454.0/1

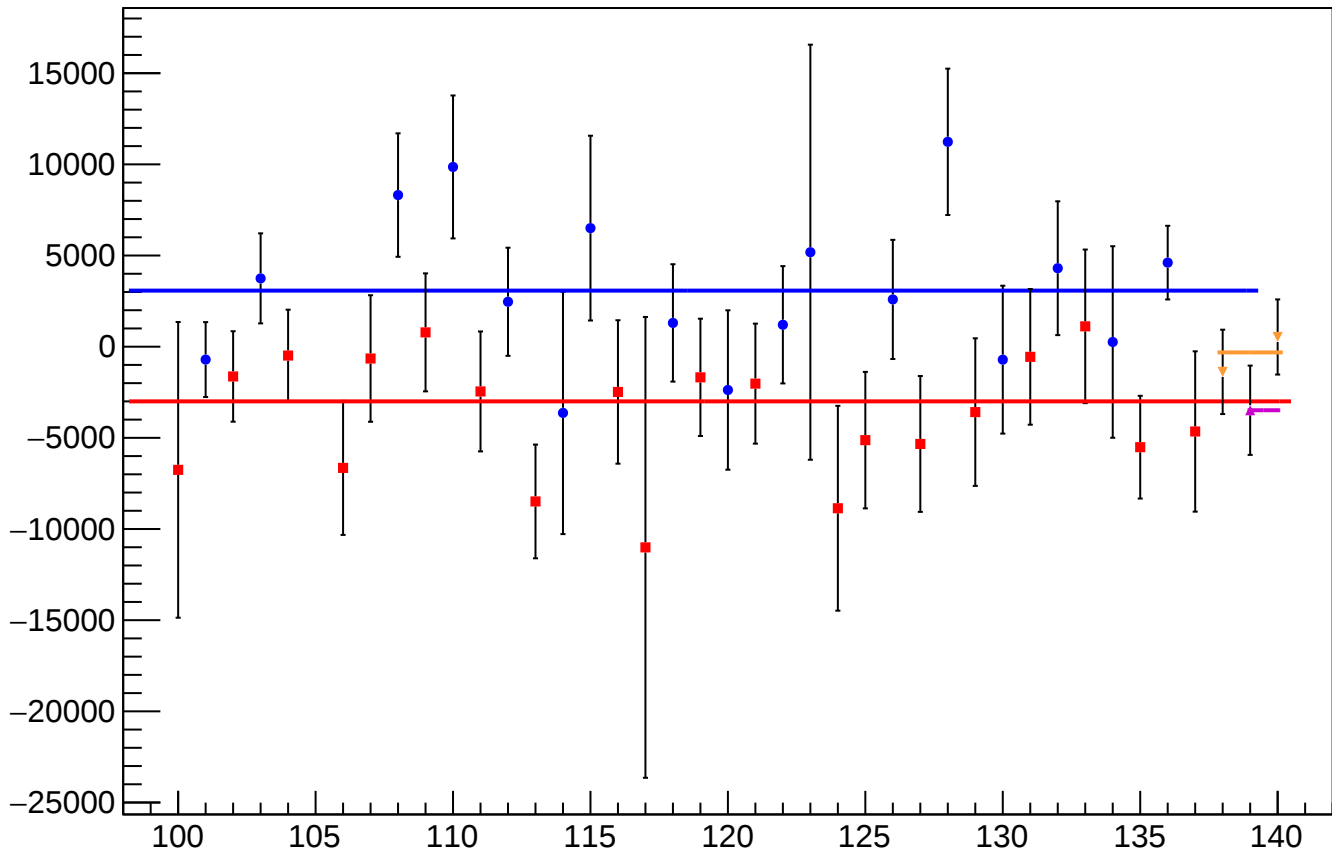
1608.608+/-0.407 χ^2/NDF : 637017.7/18

Right Out: 1741.460+/-0.468 χ^2/NDF : 376702.2/19

1741.321+/-0.445 χ^2/NDF : 376703.1/20

Left In: 1739.985+/-1.445 χ^2/NDF : 0.0/0

asym_usr_mean vs Slug



Right In: 3075.401 $\pm$ 802.249 χ^2 /NDF: 18.6/16

Left Out: -314.886 $\pm$ 1538.649 χ^2 /NDF: 0.4/1

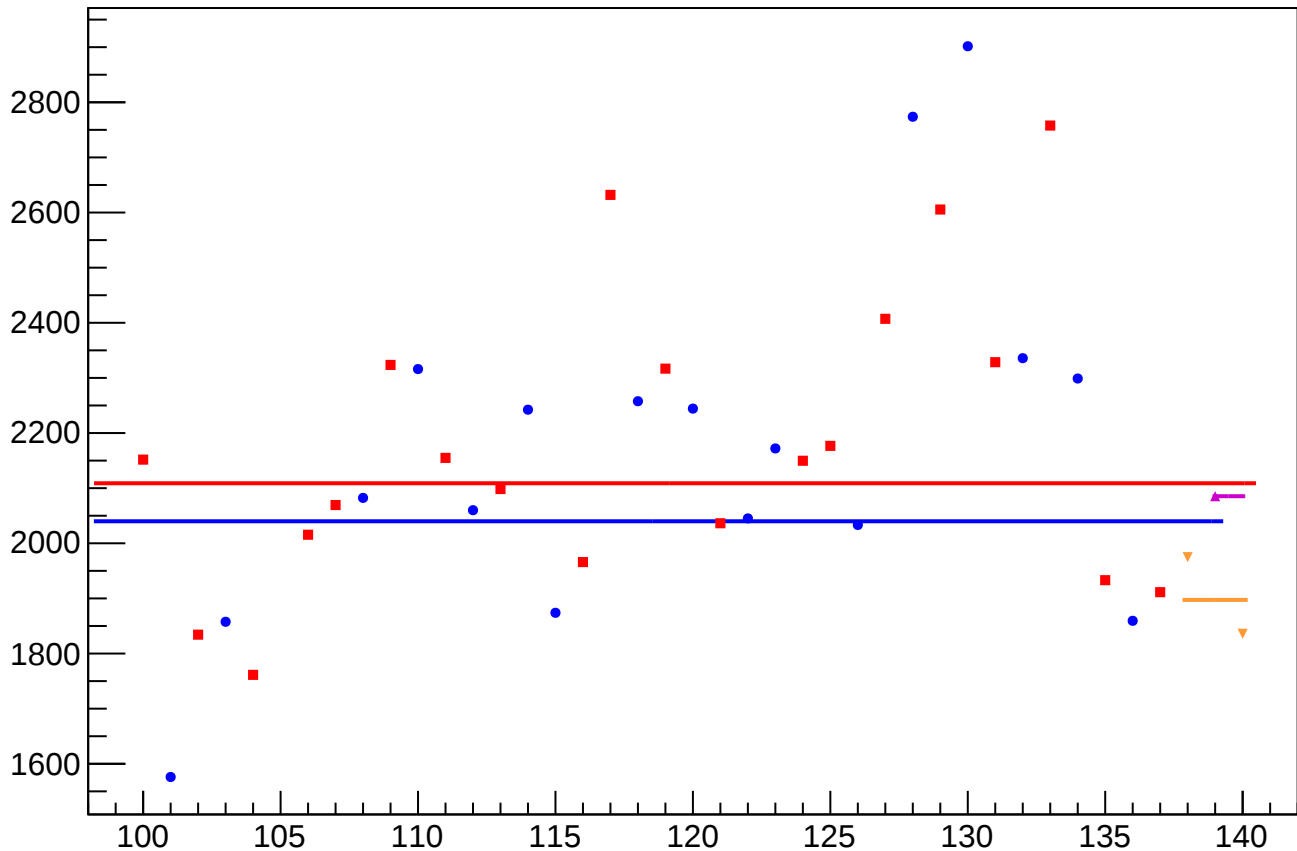
Right Out: -2999.277 $\pm$ 794.066 χ^2 /NDF: 12.3/19

Left In: -3486.359 $\pm$ 2448.561 χ^2 /NDF: 0.0/0

2350.734 $\pm$ 711.361 χ^2 /NDF: 22.8/18

-3045.629 $\pm$ 755.340 χ^2 /NDF: 12.3/20

asym_usr_rms vs Slug



Right In: 2039.942+/-0.567 χ^2/NDF : 331984.0/16

Left Out: 1897.343+/-1.088 χ^2/NDF : 4024.8/1

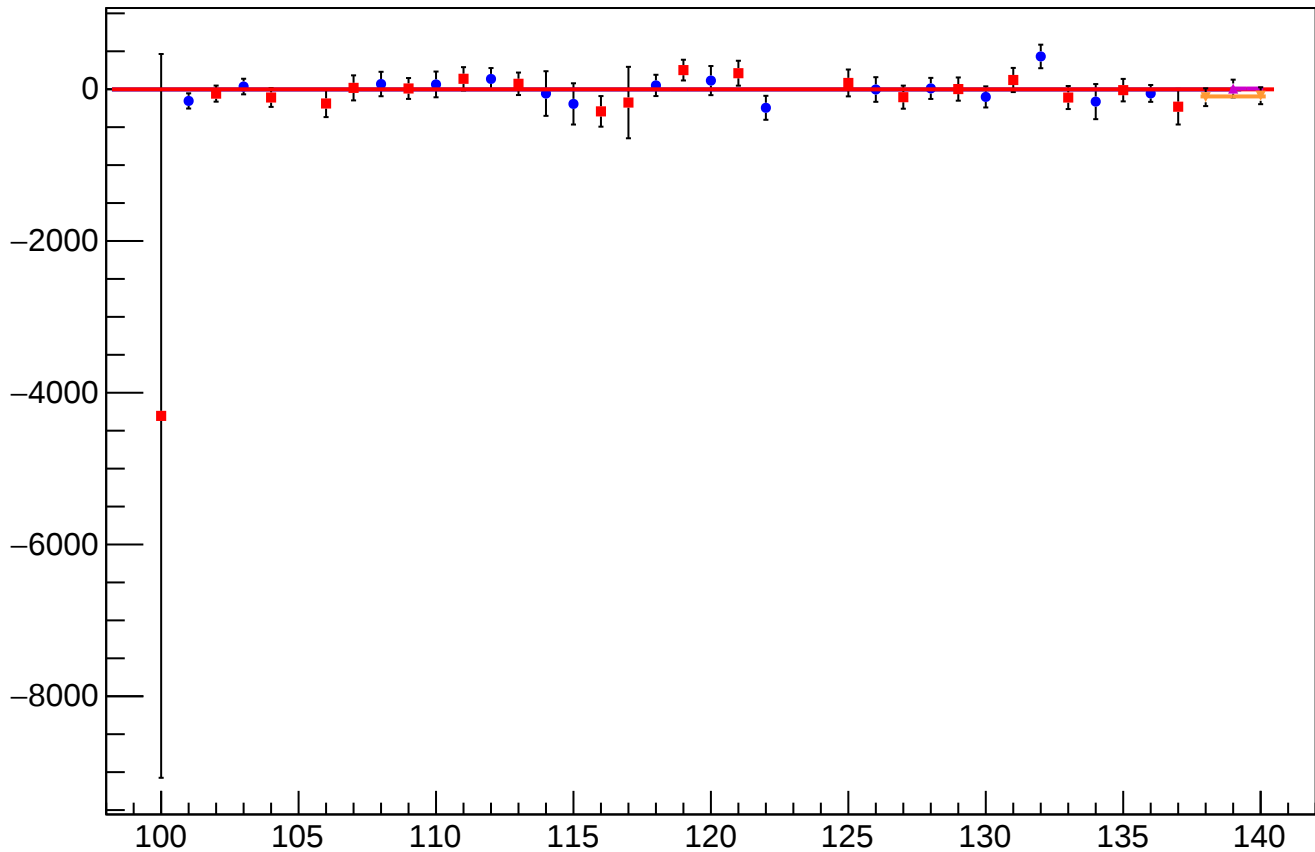
Right Out: 2108.906+/-0.561 χ^2/NDF : 198889.3/19

Left In: 2085.402+/-1.731 χ^2/NDF : 0.0/0

2009.462+/-0.503 χ^2/NDF : 349515.4/18

2106.669+/-0.534 χ^2/NDF : 199056.0/20

reg_asym_dsl_mean vs Slug



Right In: -3.283+/-36.714 χ^2/NDF : 16.1/15

Left Out: -95.036+/-80.644 χ^2/NDF : 0.0/1

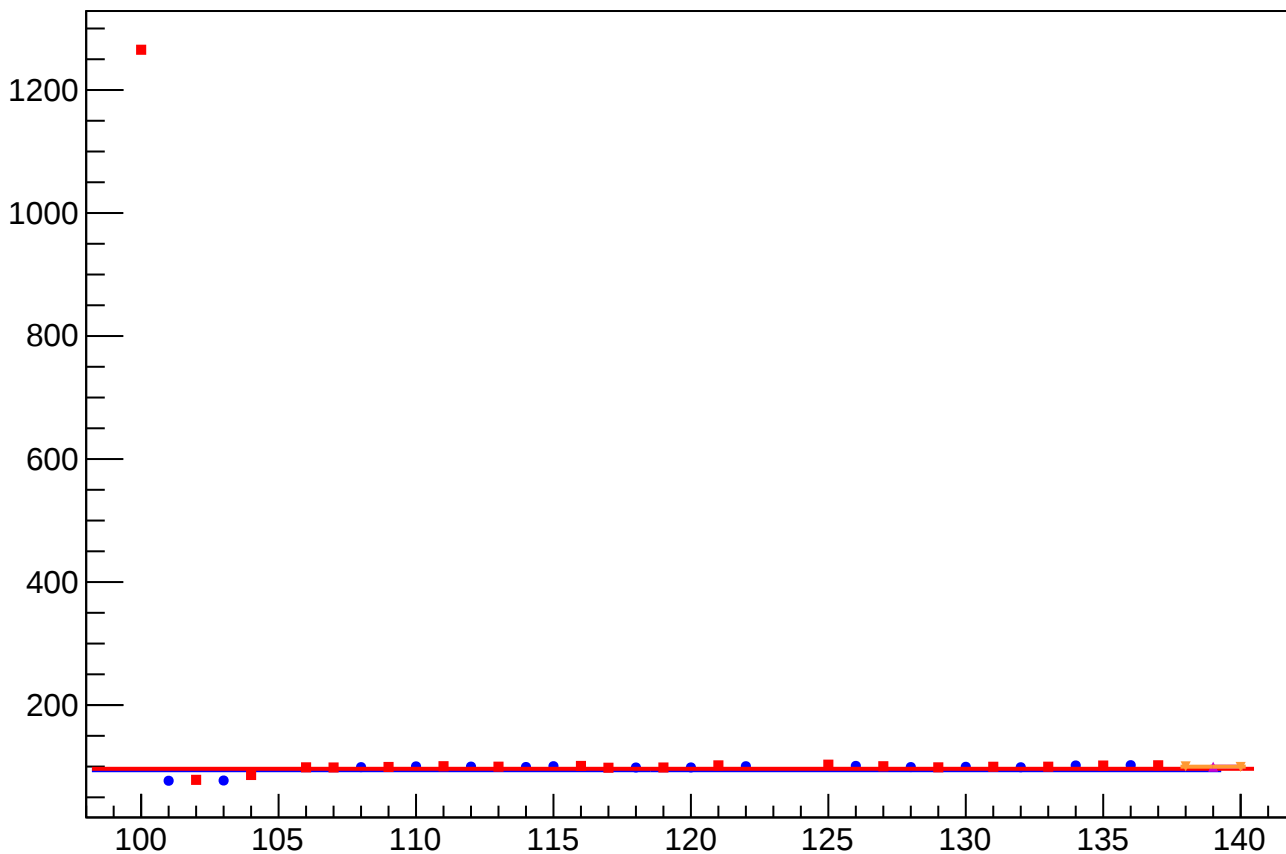
Right Out: -1.545+/-36.588 χ^2/NDF : 14.1/18

Left In: 8.847+/-117.164 χ^2/NDF : 0.0/0

-19.035+/-33.414 χ^2/NDF : 17.2/17

-0.622+/-34.924 χ^2/NDF : 14.1/19

reg_asym_dsl_rms vs Slug



Right In: 94.068+/-0.026 χ^2/NDF : 152285.6/15

Left Out: 99.823+/-0.057 χ^2/NDF : 67.0/1

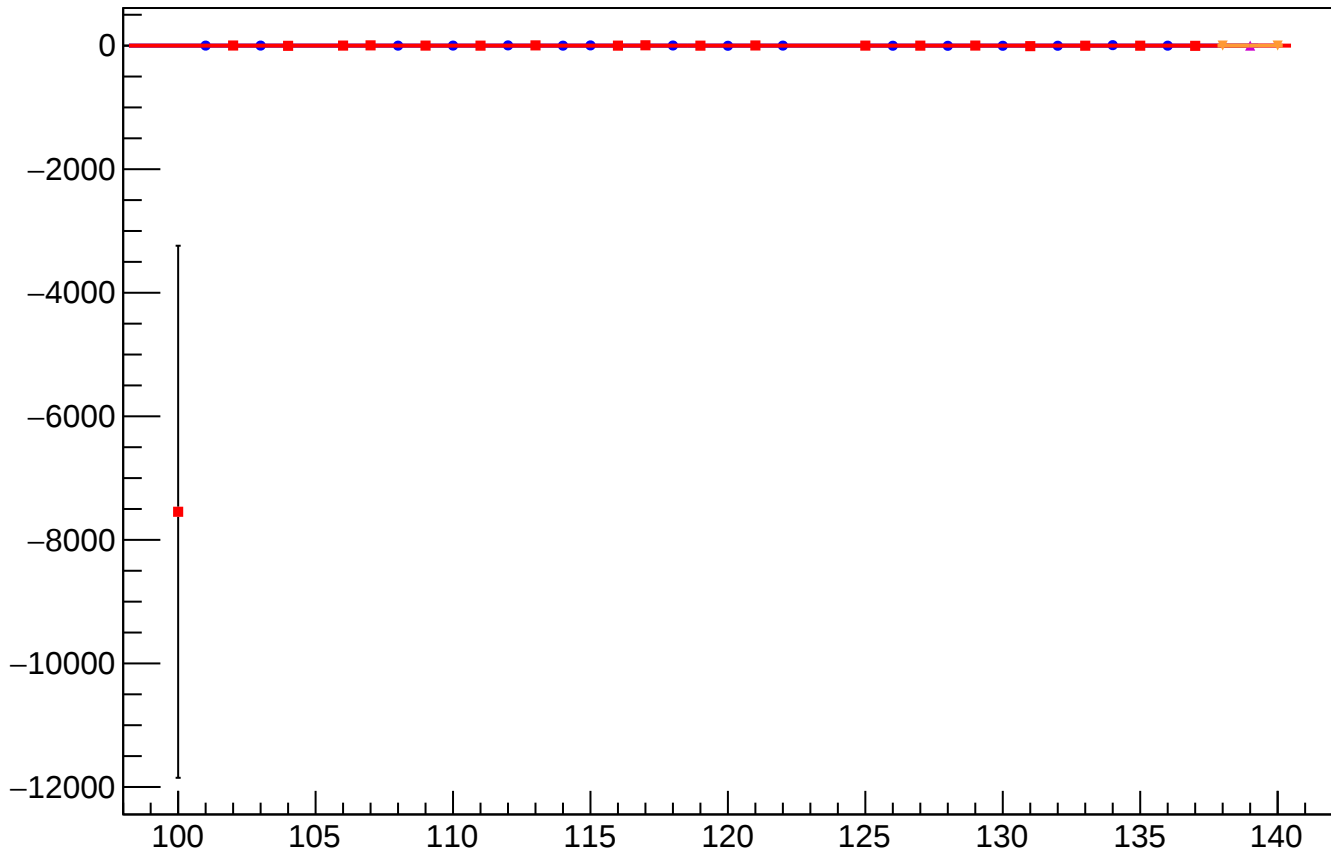
Right Out: 96.383+/-0.026 χ^2/NDF : 209255.3/18

Left In: 99.830+/-0.083 χ^2/NDF : 0.0/0

95.056+/-0.024 χ^2/NDF : 160787.3/17

96.689+/-0.025 χ^2/NDF : 210832.5/19

asym_dsl_correction_mean vs Slug



Right In: 0.426+/-0.616 χ^2/NDF : 9.7/15

Left Out: 1.273+/-1.365 χ^2/NDF : 0.0/1

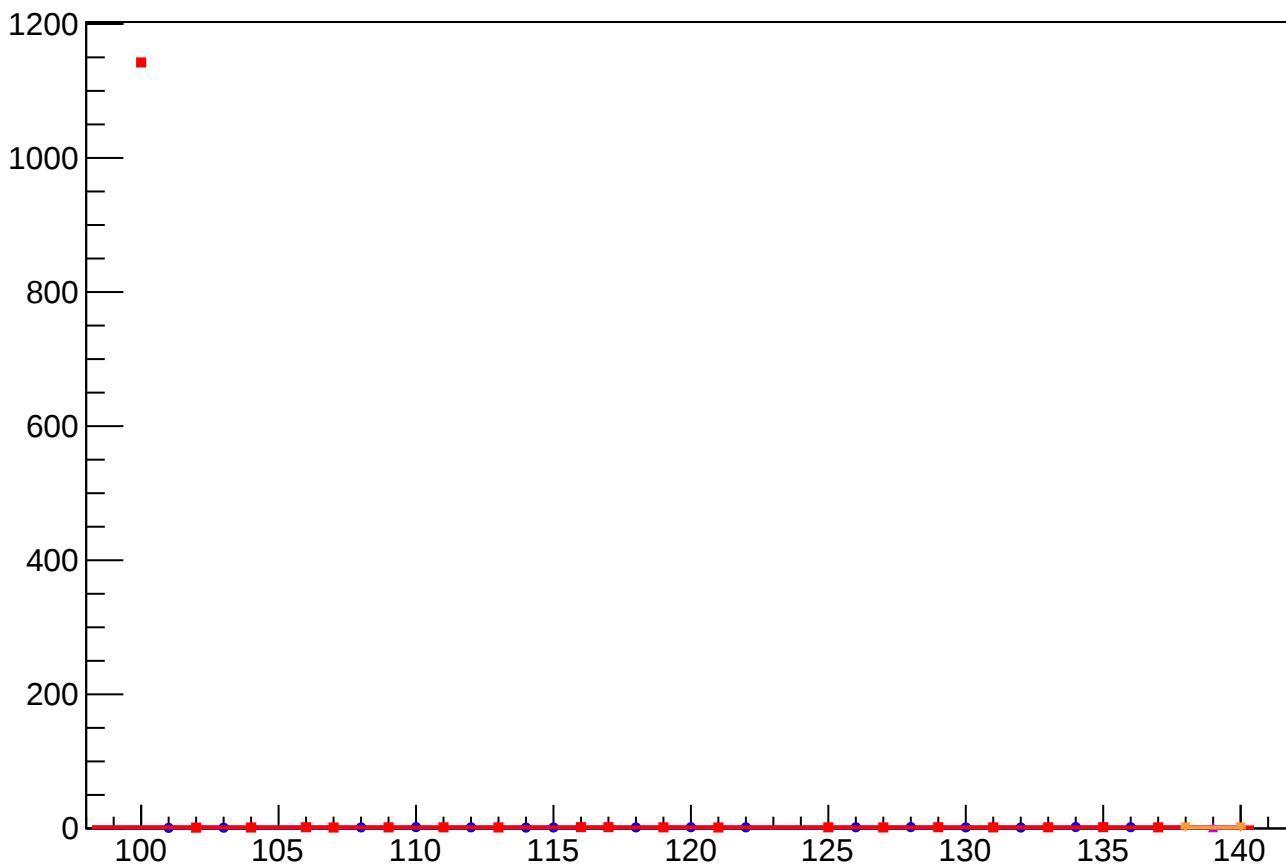
Right Out: 0.336+/-0.641 χ^2/NDF : 23.1/18

Left In: 0.521+/-2.270 χ^2/NDF : 0.0/0

0.570+/-0.561 χ^2/NDF : 10.1/17

0.350+/-0.617 χ^2/NDF : 23.1/19

asym_dsl_correction_rms vs Slug



Right In: 1.420+/-0.000 χ^2/NDF : 730935.2/15

Left Out: 1.534+/-0.001 χ^2/NDF : 57.8/1

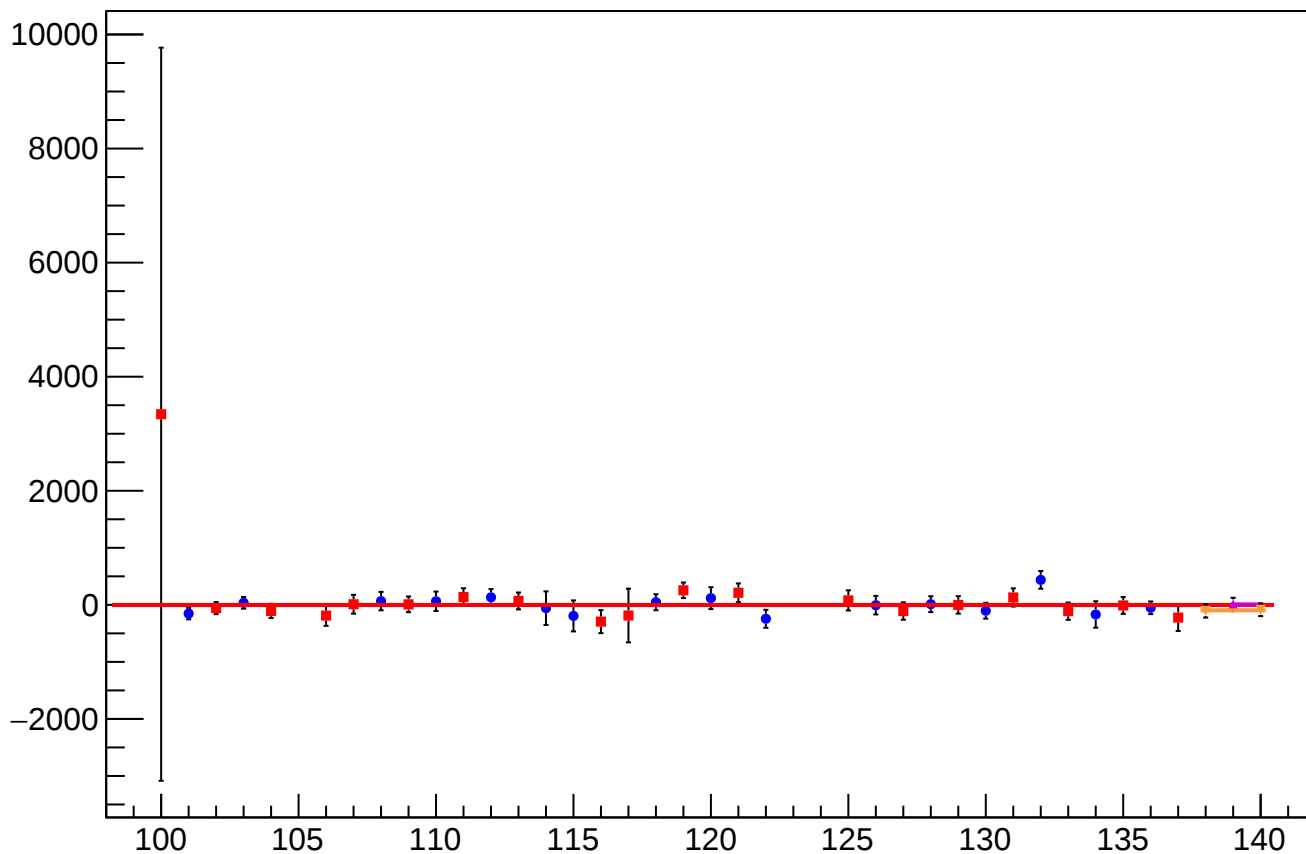
Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

Left In: 1.848+/-0.002 χ^2/NDF : 0.0/0

1.439+/-0.000 χ^2/NDF : 742627.2/17

1.579+/-0.000 χ^2/NDF : 349056.4/19

asym_dsl_mean vs Slug



Right In: -3.099+/-36.723 χ^2/NDF : 16.3/15

Left Out: -96.185+/-80.665 χ^2/NDF : 0.0/1

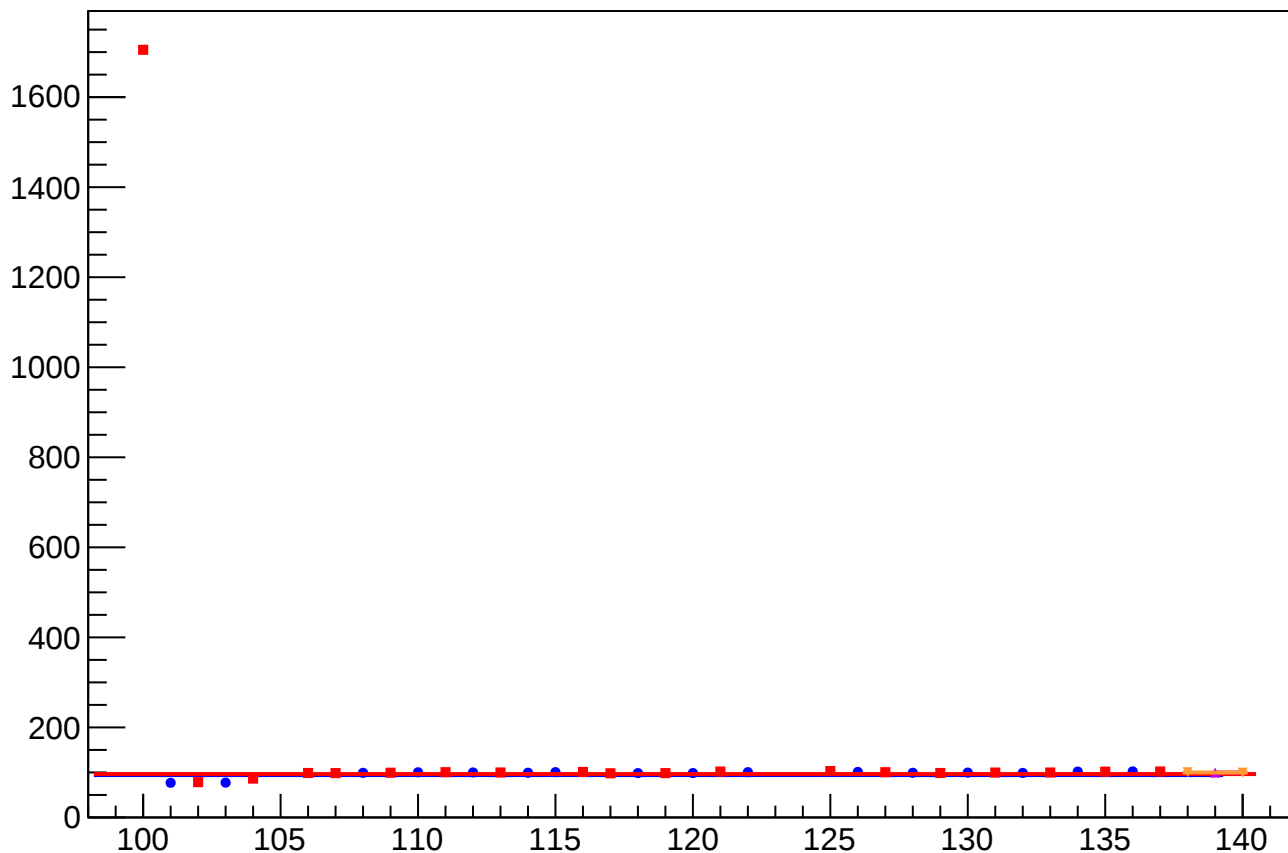
Right Out: -1.300+/-36.598 χ^2/NDF : 13.7/18

Left In: 6.698+/-117.196 χ^2/NDF : 0.0/0

-19.079+/-33.423 χ^2/NDF : 17.4/17

-0.590+/-34.934 χ^2/NDF : 13.7/19

asym_dsl_rms vs Slug



Right In: 94.093+/-0.026 χ^2/NDF : 152305.3/15

Left Out: 99.849+/-0.057 χ^2/NDF : 67.0/1

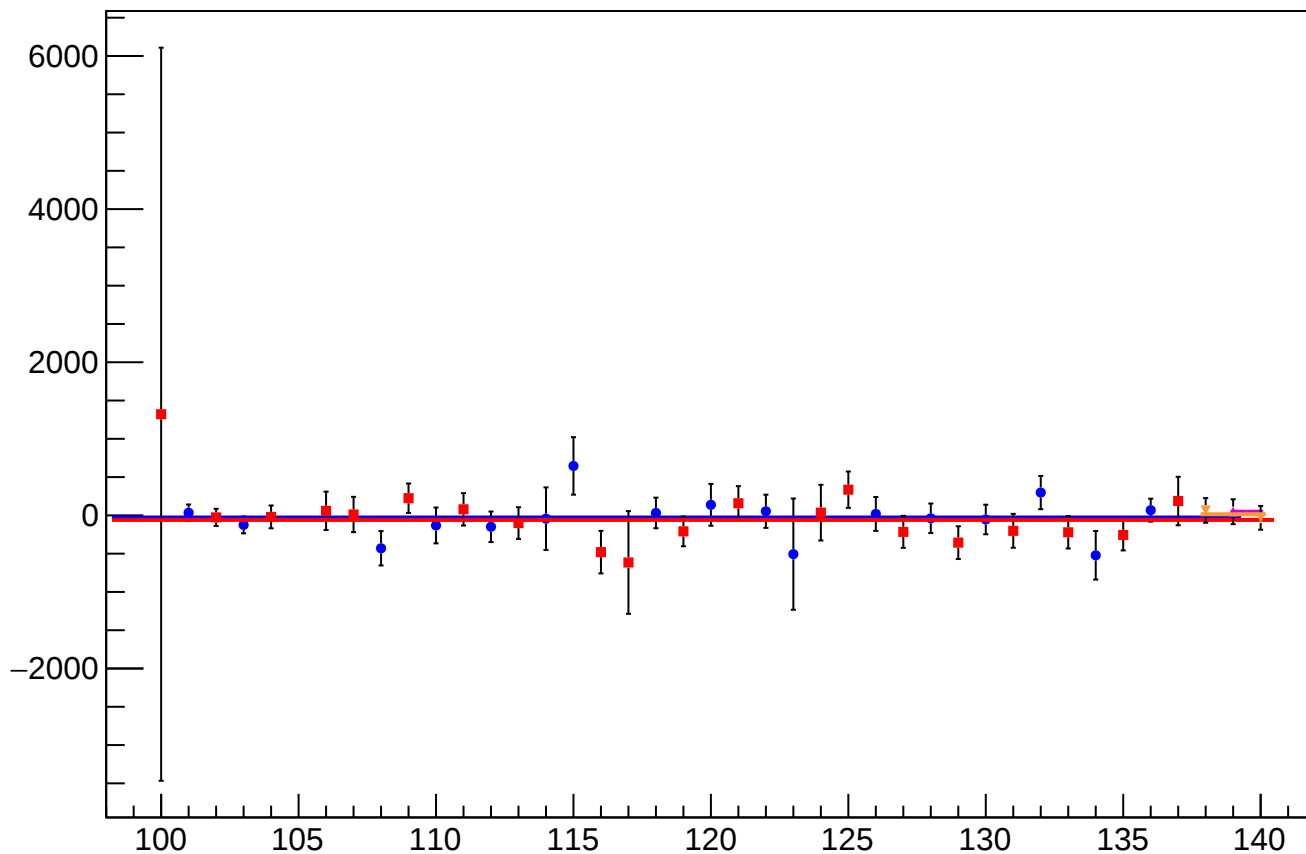
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

Left In: 99.857+/-0.083 χ^2/NDF : 0.0/0

95.081+/-0.024 χ^2/NDF : 160808.0/17

96.699+/-0.025 χ^2/NDF : 215983.2/19

reg_asym_dsr_mean vs Slug



Right In: -27.840 ± 46.777 χ^2/NDF : 14.3/16

Left Out: 14.560 ± 111.799 χ^2/NDF : 0.2/1

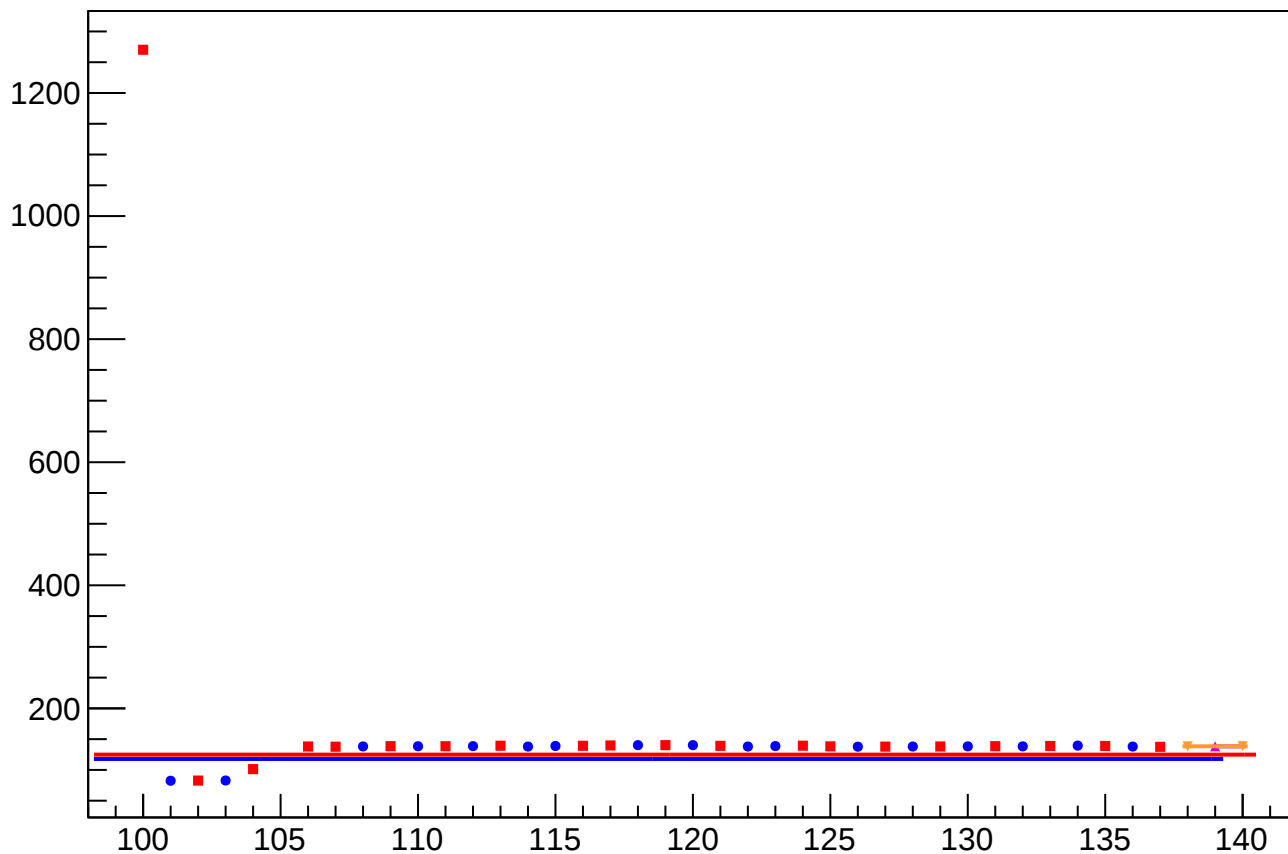
Right Out: -59.211 ± 47.588 χ^2/NDF : 15.6/19

Left In: 47.719 ± 162.340 χ^2/NDF : 0.0/0

-21.523 ± 43.152 χ^2/NDF : 14.6/18

-50.750 ± 45.666 χ^2/NDF : 16.0/20

reg_asym_dsr_rms vs Slug



Right In: 117.815 $\pm$ 0.033 χ^2 /NDF: 666581.7/16

Left Out: 138.386 $\pm$ 0.079 χ^2 /NDF: 2.9/1

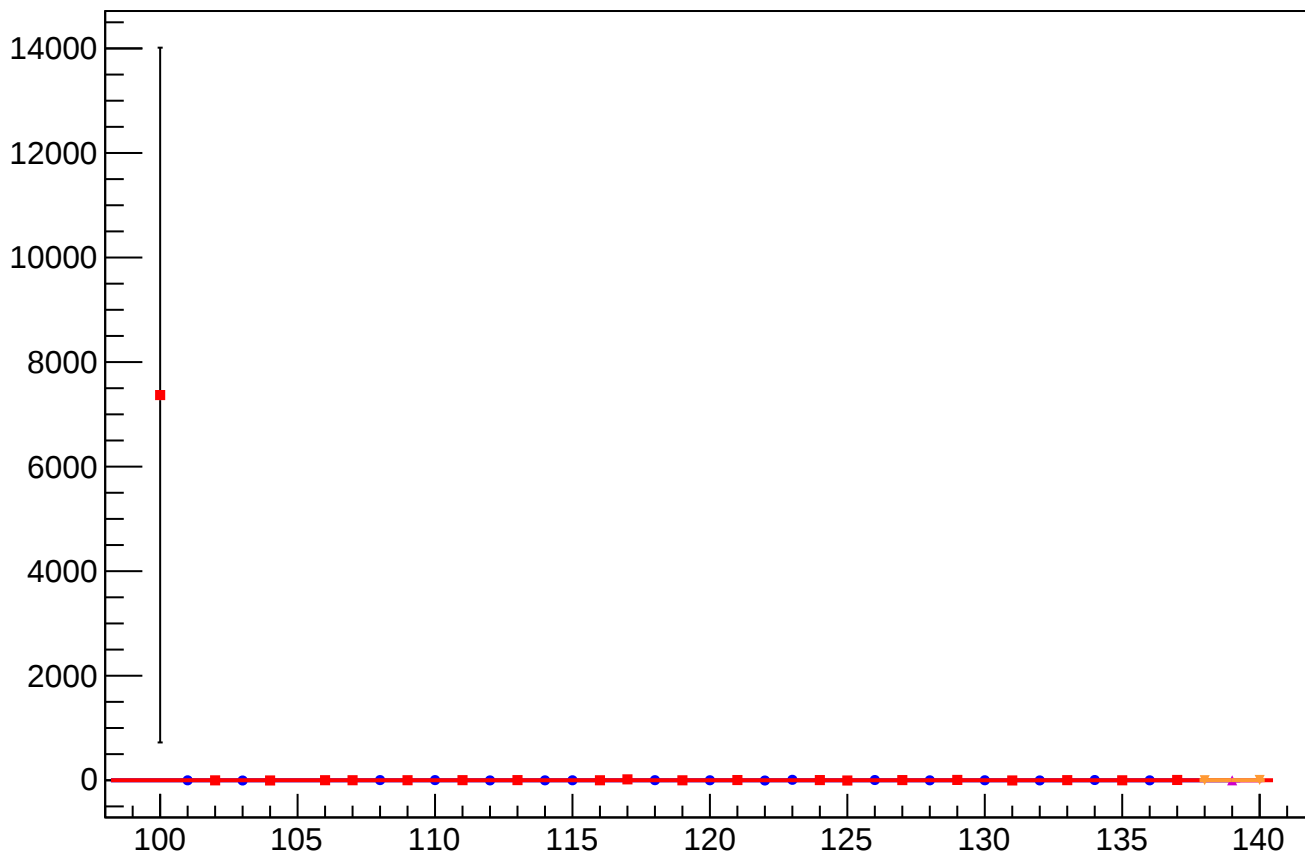
Right Out: 124.839 $\pm$ 0.034 χ^2 /NDF: 570766.0/19

Left In: 138.320 $\pm$ 0.115 χ^2 /NDF: 0.0/0

120.880 $\pm$ 0.031 χ^2 /NDF: 724211.2/18

125.906 $\pm$ 0.032 χ^2 /NDF: 583466.7/20

asym_dsr_correction_mean vs Slug



Right In: -0.695 ± 0.810 χ^2/NDF : 12.7/16

Left Out: 3.187 ± 2.134 χ^2/NDF : 1.4/1

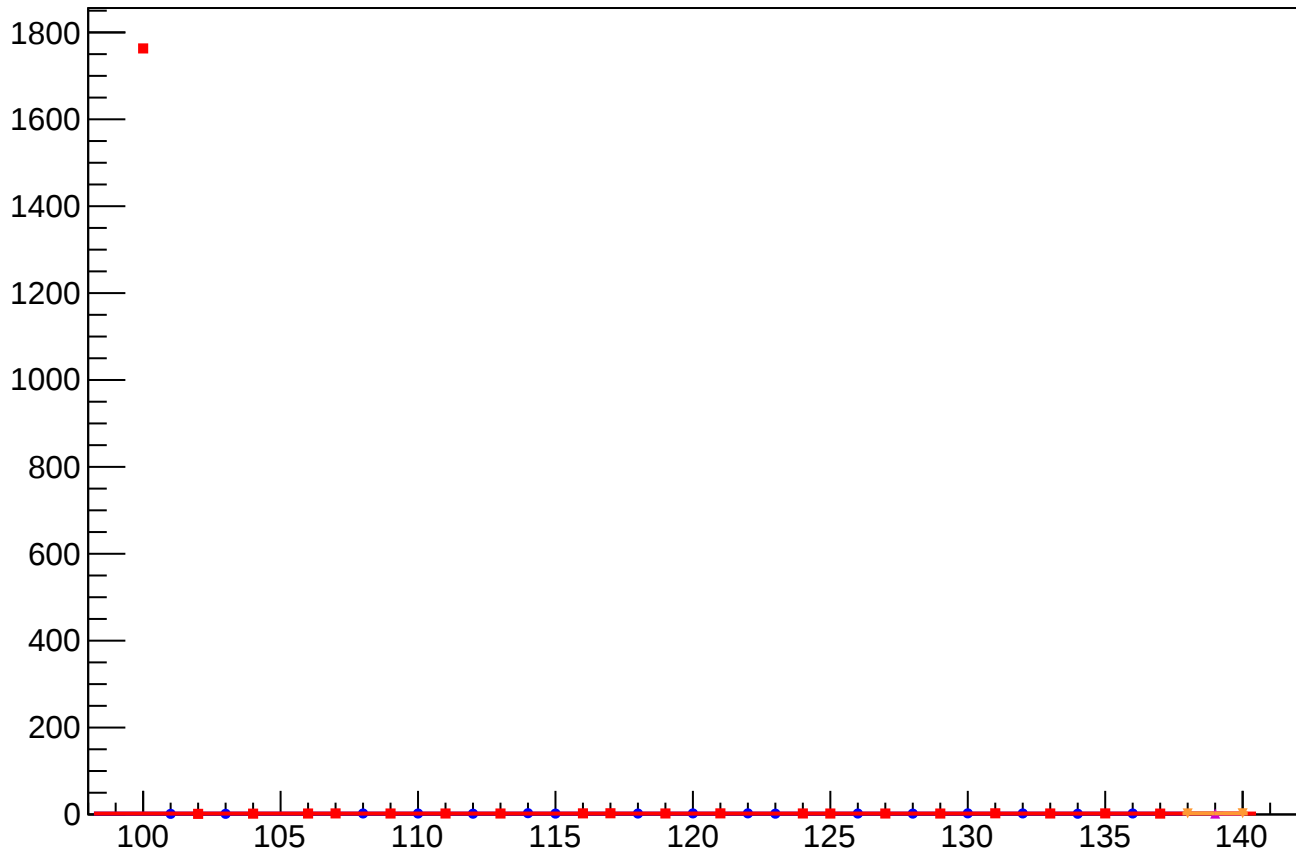
Right Out: 0.719 ± 0.849 χ^2/NDF : 15.3/19

Left In: -0.682 ± 2.704 χ^2/NDF : 0.0/0

-0.206 ± 0.757 χ^2/NDF : 17.0/18

0.593 ± 0.810 χ^2/NDF : 15.5/20

asym_dsr_correction_rms vs Slug



Right In: 1.869 $\pm$ 0.001 χ^2 /NDF: 493173.6/16

Left Out: 2.500 $\pm$ 0.002 χ^2 /NDF: 9161.1/1

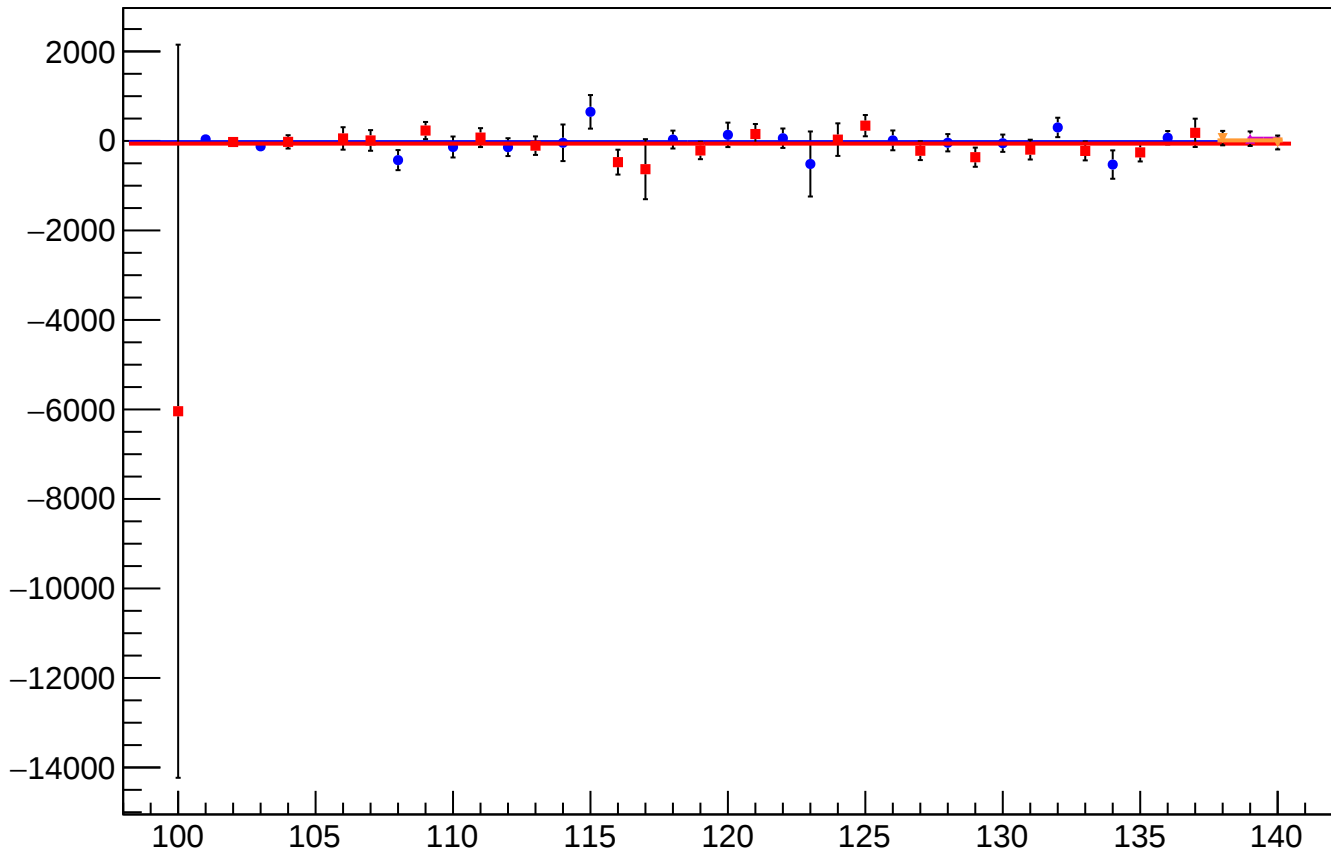
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

Left In: 2.034 $\pm$ 0.002 χ^2 /NDF: 0.0/0

1.949 $\pm$ 0.001 χ^2 /NDF: 655253.7/18

2.065 $\pm$ 0.001 χ^2 /NDF: 530571.8/20

asym_dsr_mean vs Slug



Right In: -26.258+/-46.789 χ^2/NDF : 14.4/16

Left Out: 12.466+/-111.829 χ^2/NDF : 0.2/1

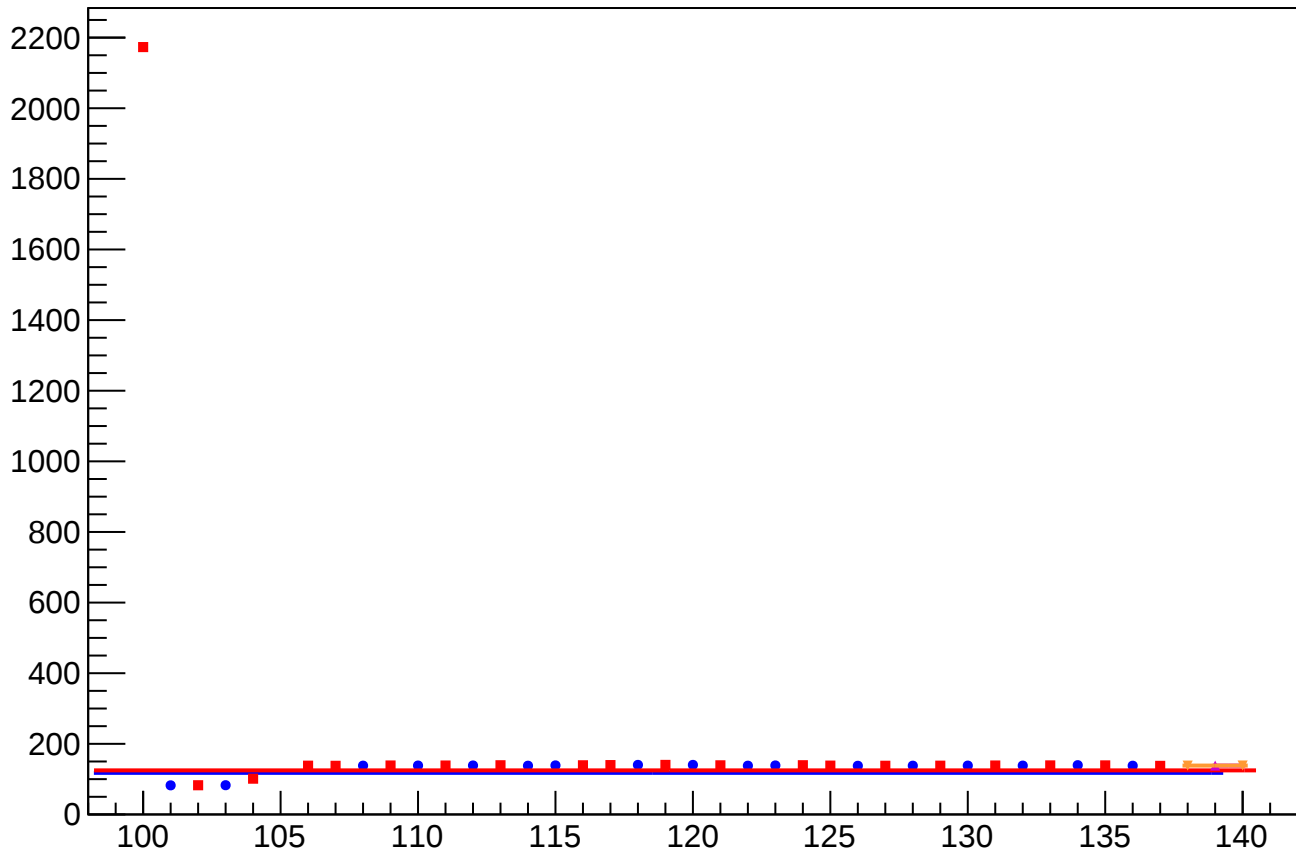
Right Out: -60.159+/-47.602 χ^2/NDF : 16.2/19

Left In: 50.045+/-162.383 χ^2/NDF : 0.0/0

-20.489+/-43.164 χ^2/NDF : 14.7/18

-51.438+/-45.680 χ^2/NDF : 16.7/20

asym_dsr_rms vs Slug



Right In: 117.847 $\pm$ 0.033 χ^2 /NDF: 666622.8/16

Left Out: 138.424 $\pm$ 0.079 χ^2 /NDF: 2.9/1

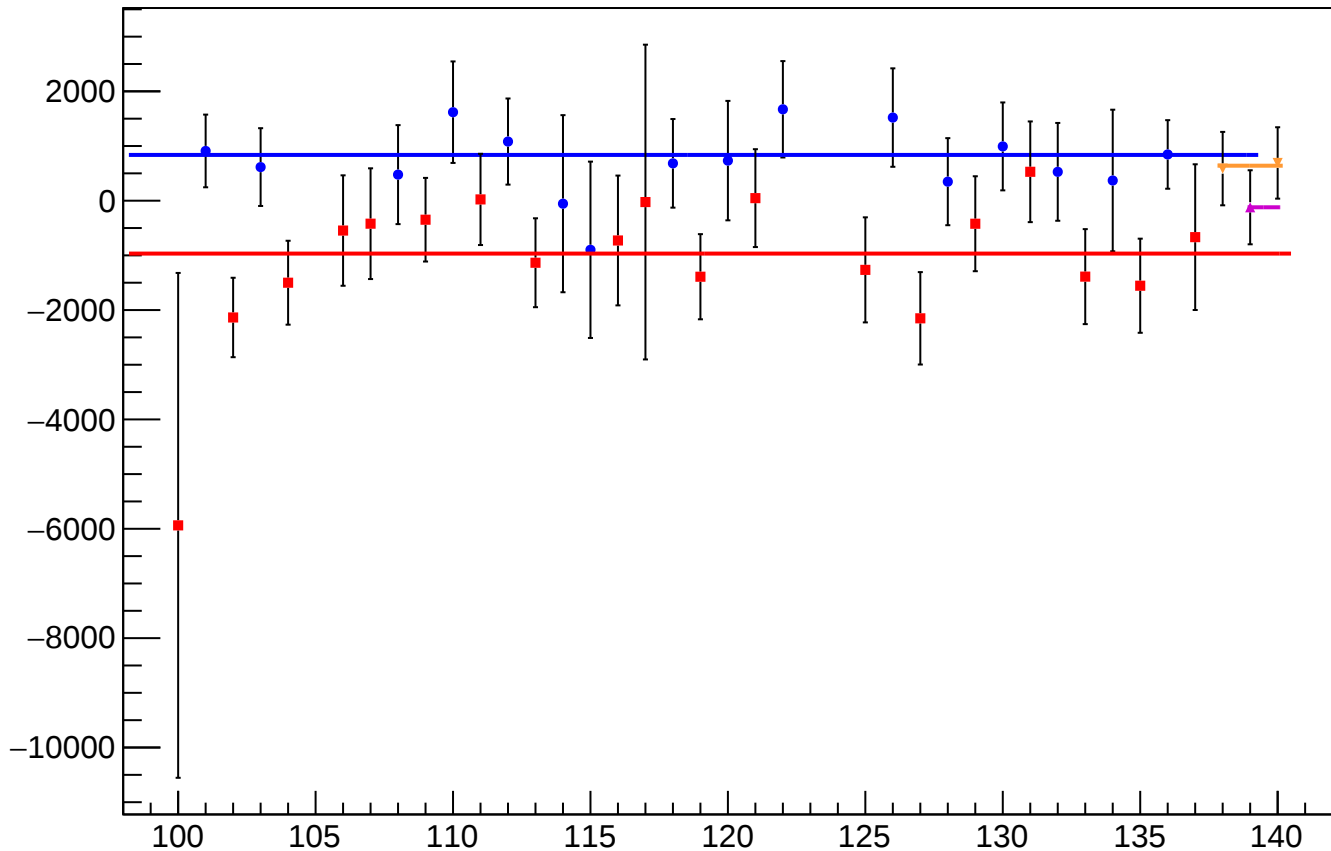
Right Out: 124.828 $\pm$ 0.034 χ^2 /NDF: 581349.7/19

Left In: 138.357 $\pm$ 0.115 χ^2 /NDF: 0.0/0

120.912 $\pm$ 0.031 χ^2 /NDF: 724252.0/18

125.899 $\pm$ 0.032 χ^2 /NDF: 594132.8/20

reg_asym_left_avg_mean vs Slug



Right In: 837.048 $\pm$ 216.181 χ^2 /NDF: 4.7/15

Left Out: 639.970 $\pm$ 468.034 χ^2 /NDF: 0.0/1

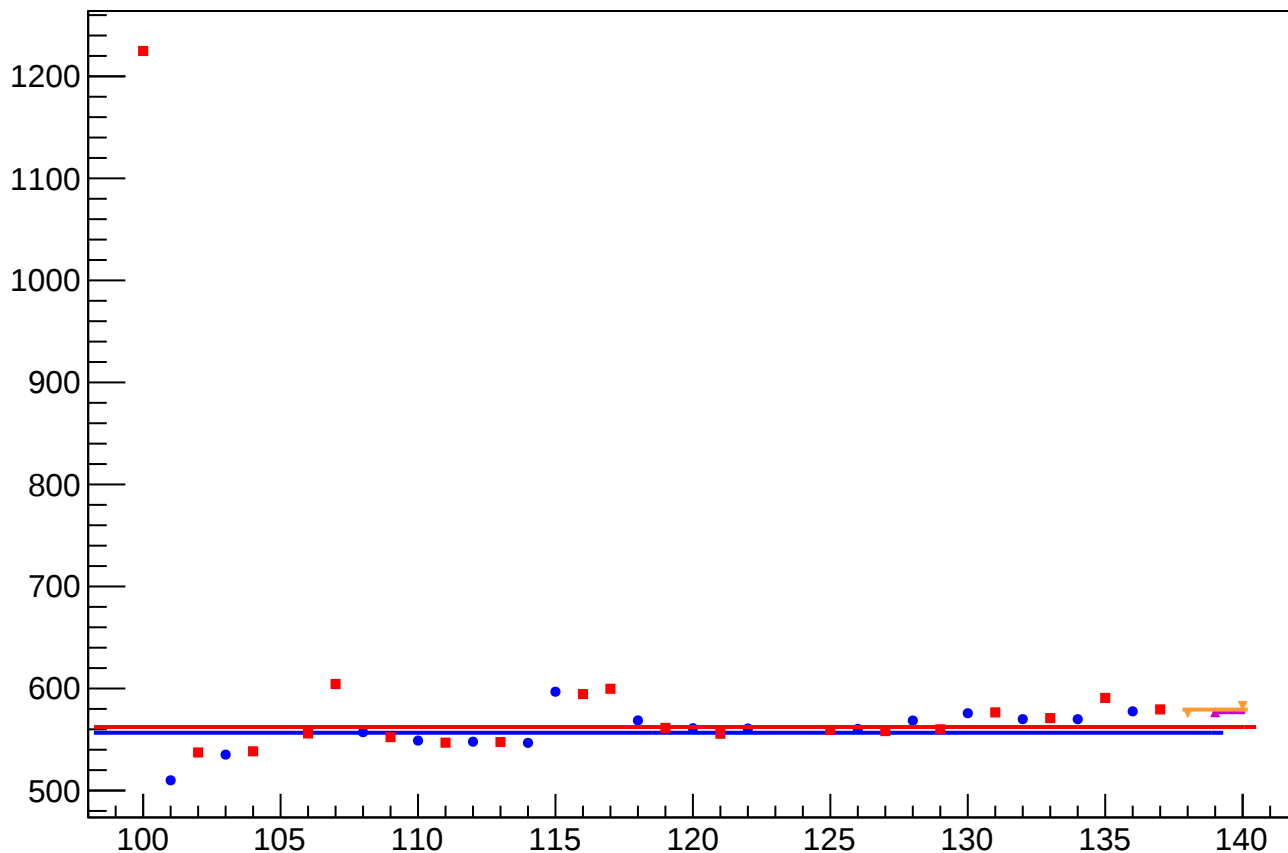
Right Out: -967.277 $\pm$ 212.168 χ^2 /NDF: 14.4/18

Left In: -120.557 $\pm$ 676.939 χ^2 /NDF: 0.0/0

802.395 $\pm$ 196.257 χ^2 /NDF: 4.9/17

-891.540 $\pm$ 202.456 χ^2 /NDF: 15.8/19

reg_asym_left_avg_rms vs Slug



Right In: 556.637+/-0.153 χ^2/NDF : 18391.7/15

Left Out: 579.337+/-0.331 χ^2/NDF : 110.6/1

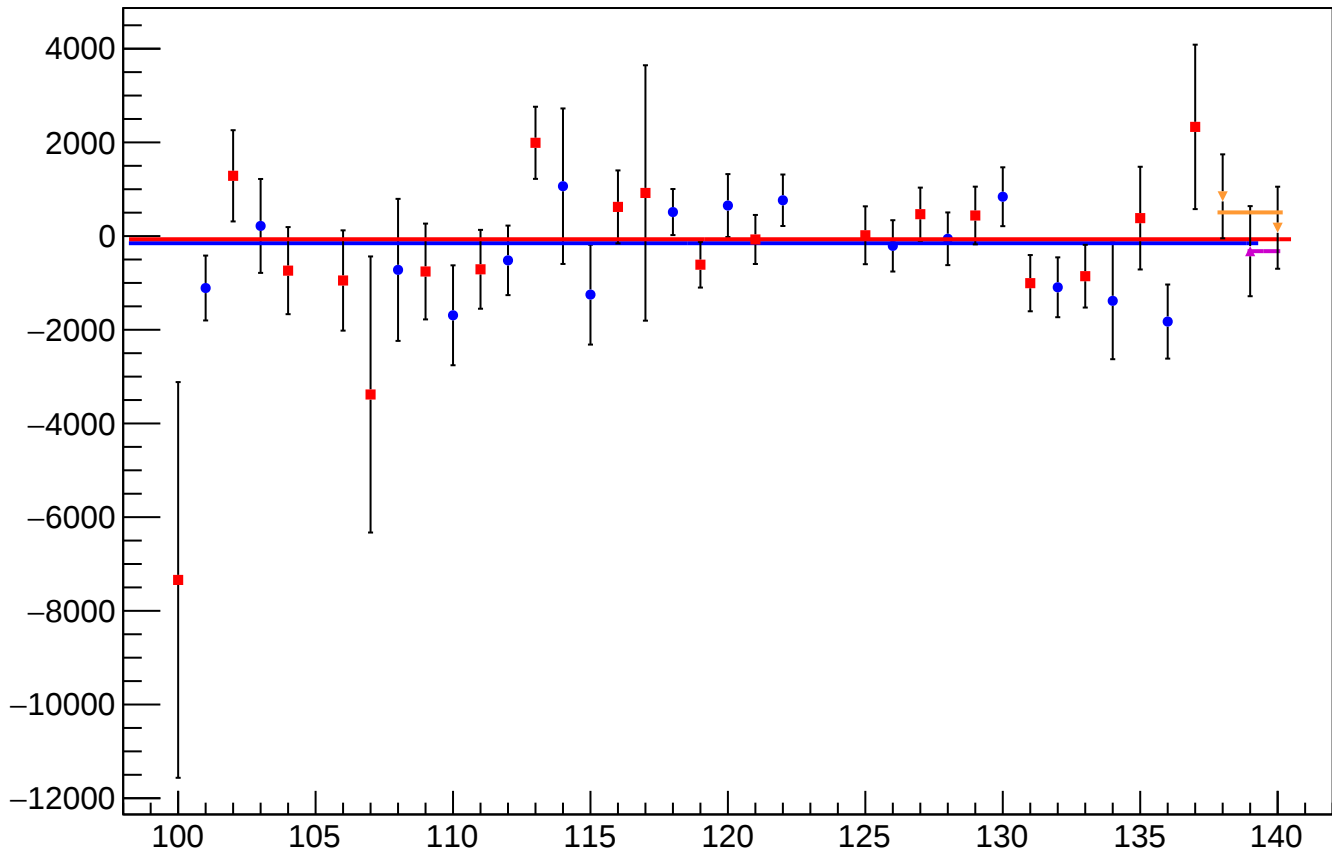
Right Out: 562.253+/-0.150 χ^2/NDF : 55916.7/18

Left In: 576.793+/-0.479 χ^2/NDF : 0.0/0

560.629+/-0.139 χ^2/NDF : 22379.7/17

563.554+/-0.143 χ^2/NDF : 56757.0/19

asym_left_avg_correction_mean vs Slug



Right In: -151.876+/-180.078 χ^2 /NDF: 22.3/15

Left Out: 505.260+/-626.583 χ^2 /NDF: 0.3/1

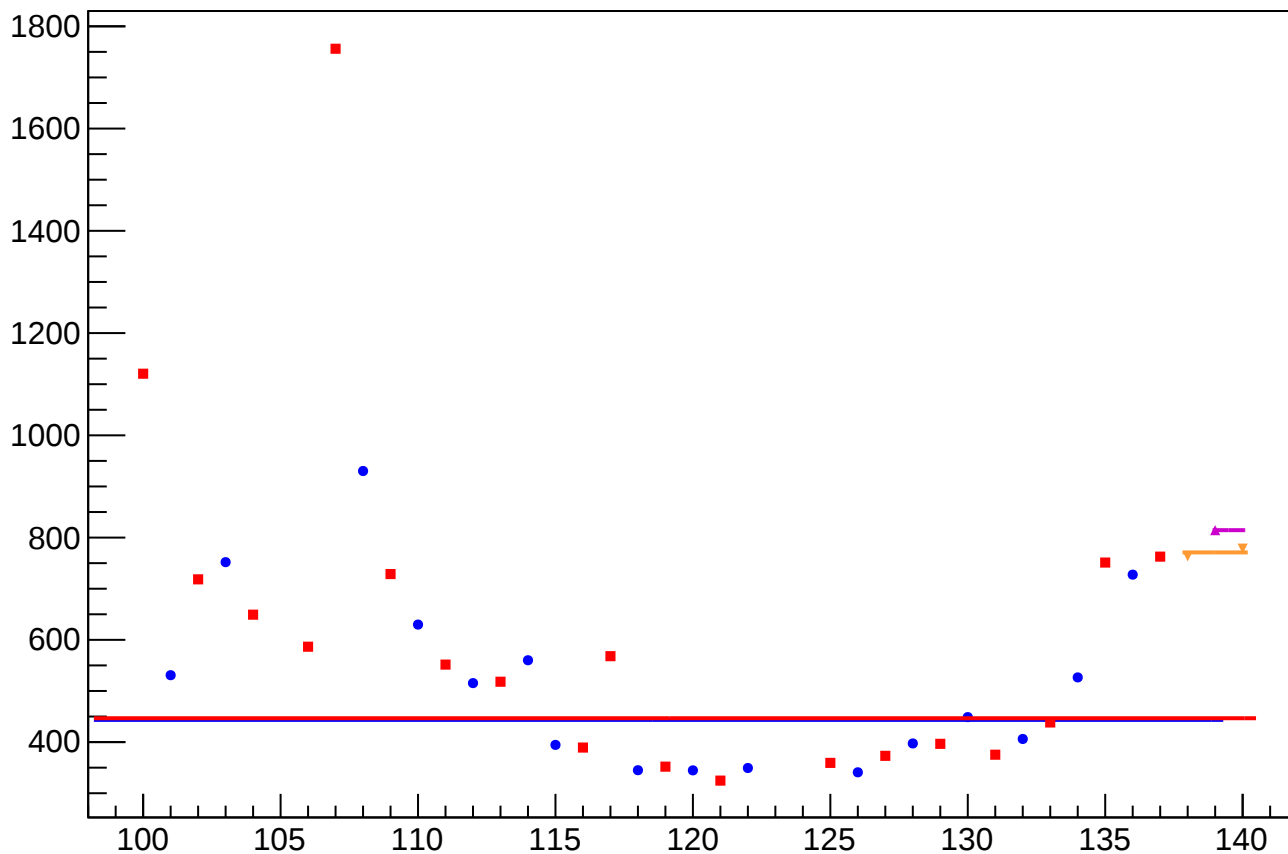
Right Out: -67.516+/-178.283 χ^2 /NDF: 25.1/18

Left In: -322.016+/-961.746 χ^2 /NDF: 0.0/0

-101.740+/-173.072 χ^2 /NDF: 23.6/17

-75.971+/-175.297 χ^2 /NDF: 25.2/19

asym_left_avg_correction_rms vs Slug



Right In: 443.451+/-0.127 χ^2/NDF : 1060940.9/15

Left Out: 771.023+/-0.443 χ^2/NDF : 291.0/1

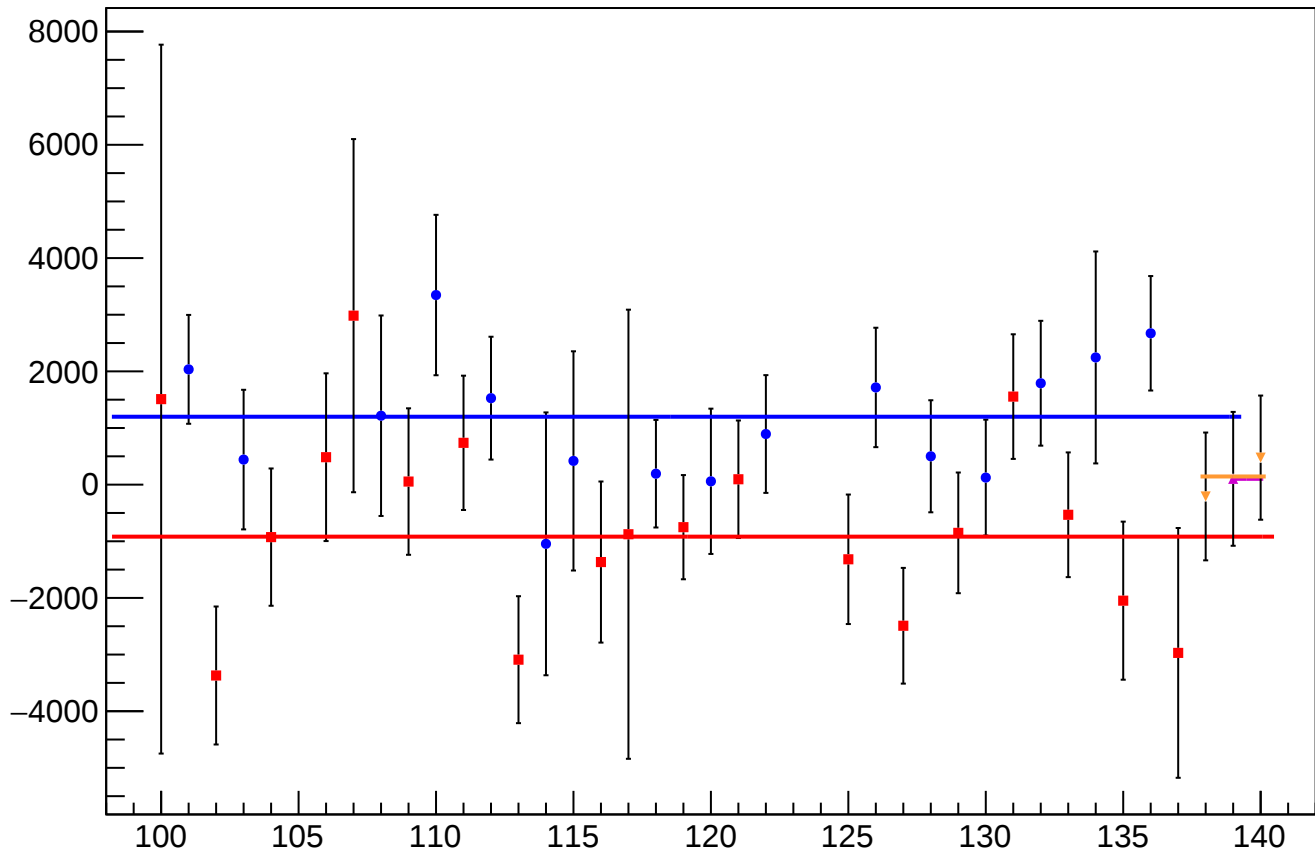
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 814.520+/-0.680 χ^2/NDF : 0.0/0

468.443+/-0.122 χ^2/NDF : 1566148.1/17

458.889+/-0.124 χ^2/NDF : 1746835.5/19

asym_left_avg_mean vs Slug



Right In: 1198.972 ± 295.243 χ^2/NDF : 11.2/15

Left Out: 144.070 ± 786.143 χ^2/NDF : 0.2/1

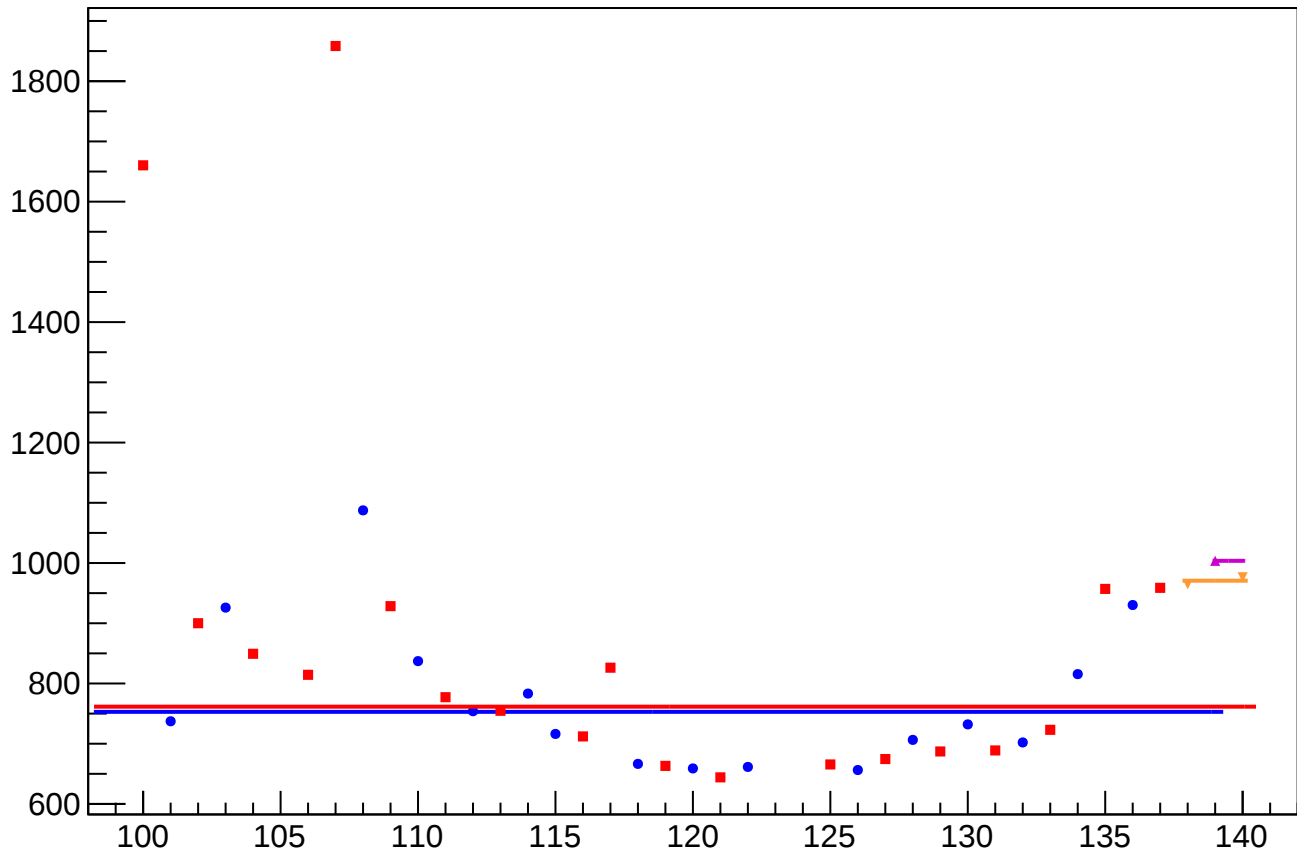
Right Out: -918.180 ± 292.495 χ^2/NDF : 23.2/18

Left In: 102.473 ± 1181.691 χ^2/NDF : 0.0/0

1068.575 ± 276.394 χ^2/NDF : 13.0/17

-859.257 ± 283.927 χ^2/NDF : 23.9/19

asym_left_avg_rms vs Slug



Right In: 752.937+/-0.209 χ^2/NDF : 252526.4/15

Left Out: 970.662+/-0.556 χ^2/NDF :110.5/1

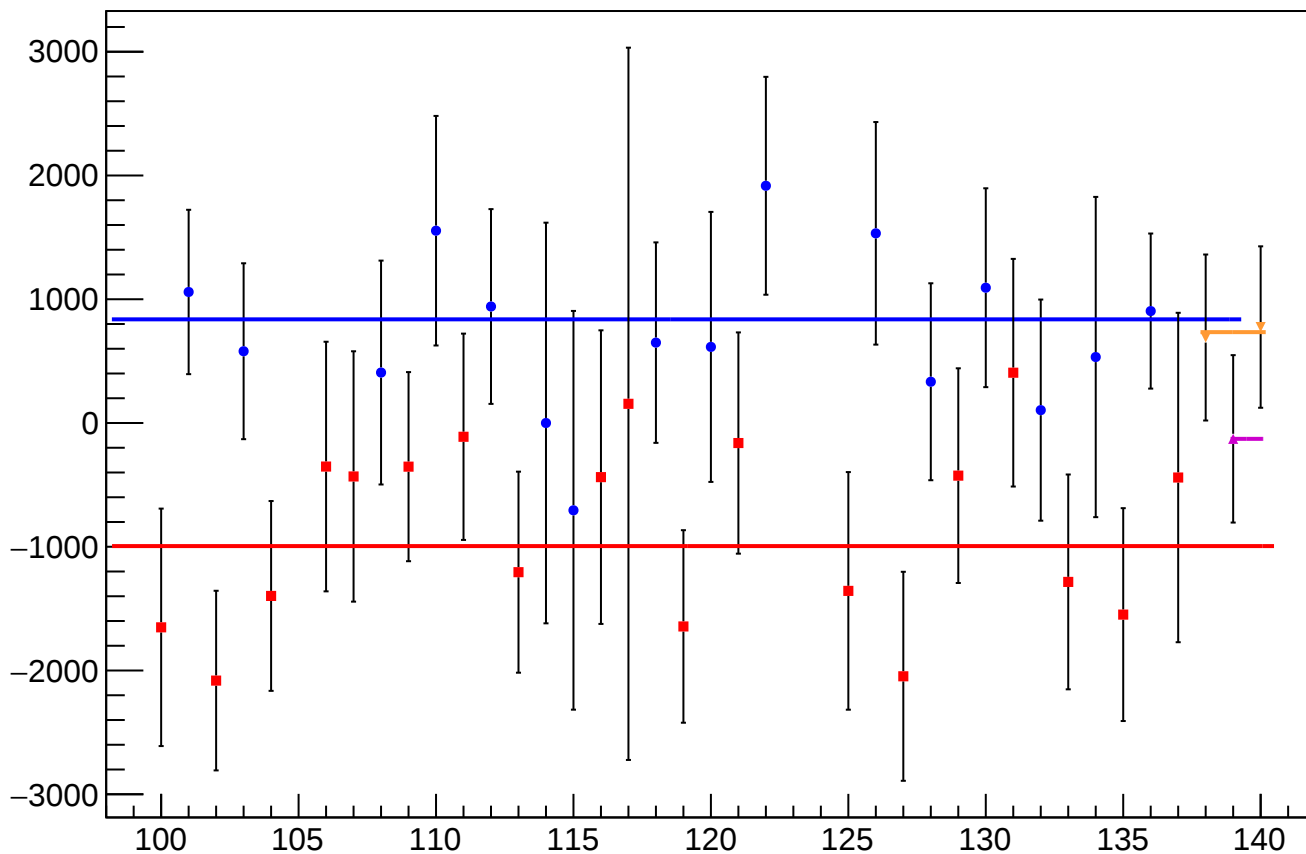
Right Out: 761.514+/-0.207 χ^2/NDF : 517672.2/18

Left In: 1003.668+/-0.836 χ^2/NDF :0.0/0

779.850+/-0.195 χ^2/NDF : 387079.7/17

775.494+/-0.201 χ^2/NDF : 596809.5/19

reg_asym_left_dd_mean vs Slug



Right In: 837.557 $\pm$ 216.015 χ^2 /NDF: 5.7/15

Left Out: 734.272 $\pm$ 467.584 χ^2 /NDF: 0.0/1

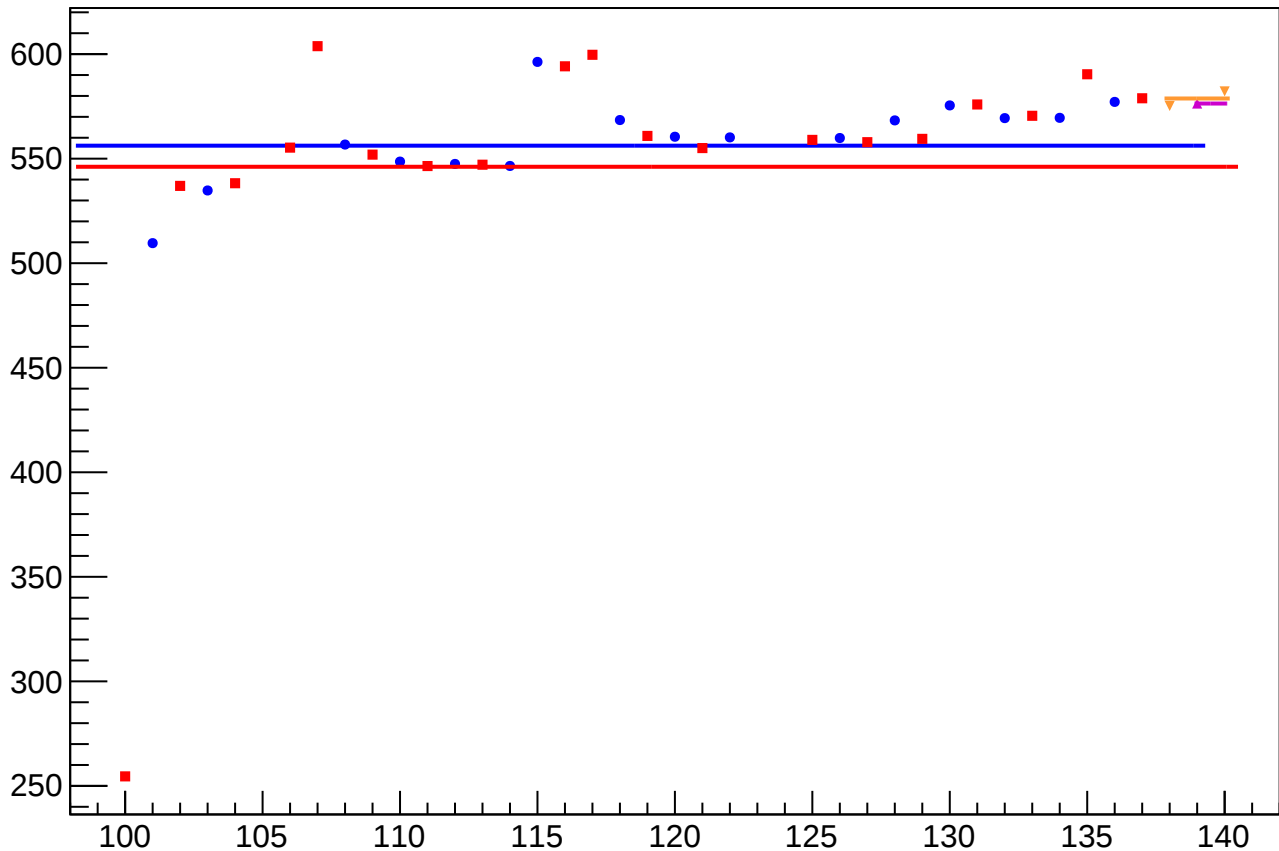
Right Out: -994.626 $\pm$ 207.208 χ^2 /NDF: 12.7/18

Left In: -128.077 $\pm$ 676.434 χ^2 /NDF: 0.0/0

819.391 $\pm$ 196.100 χ^2 /NDF: 5.8/17

-920.289 $\pm$ 198.121 χ^2 /NDF: 14.2/19

reg_asym_left_dd_rms vs Slug



Right In: 556.210 $\pm$ 0.153 χ^2 /NDF: 18417.4/15

Left Out: 578.779 $\pm$ 0.331 χ^2 /NDF:111.4/1

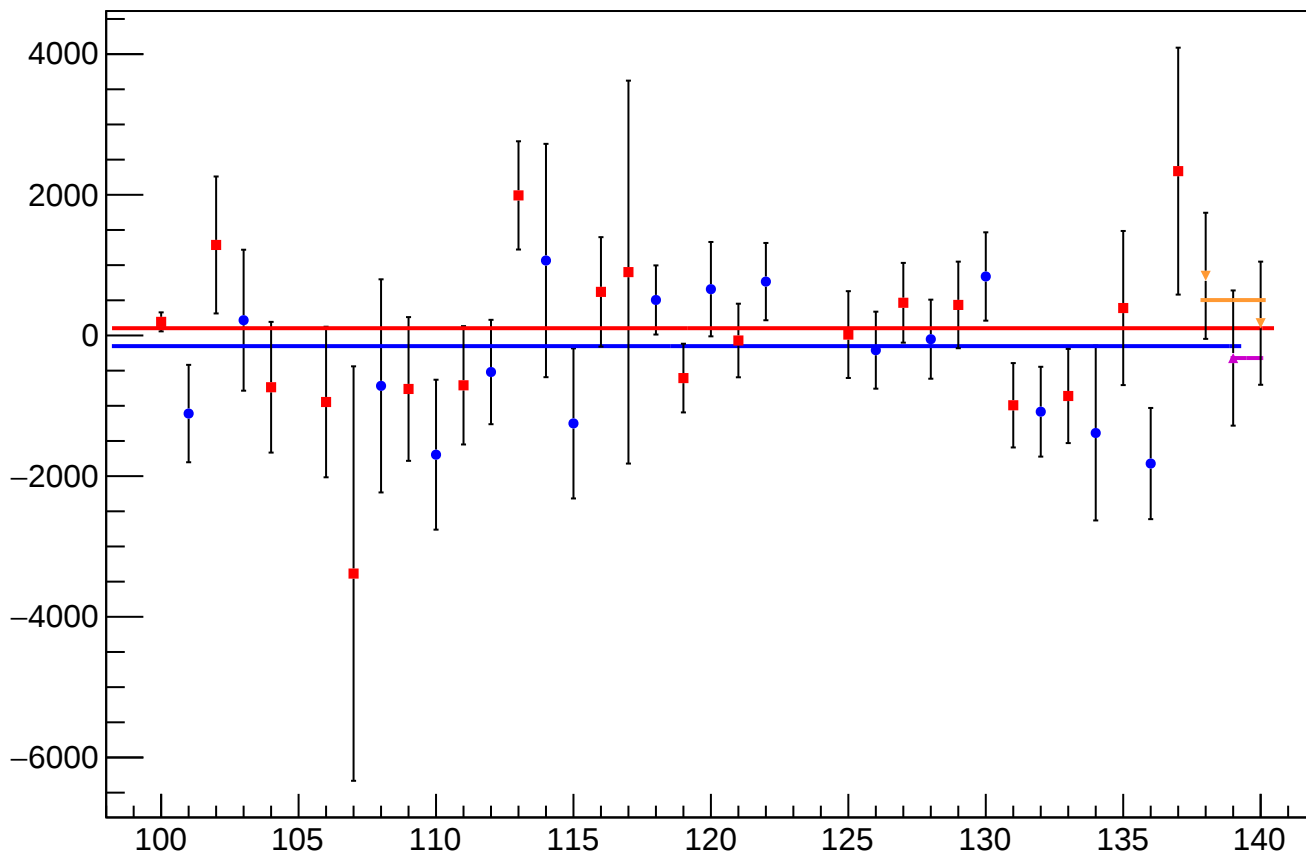
Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

Left In: 576.364 $\pm$ 0.478 χ^2 /NDF:0.0/0

560.180 $\pm$ 0.139 χ^2 /NDF: 22368.6/17

548.718 $\pm$ 0.140 χ^2 /NDF: 211990.8/19

asym_left_dd_correction_mean vs Slug



Right In: -151.459+/-179.991 χ^2/NDF : 22.3/15

Left Out: 503.242+/-626.389 χ^2/NDF : 0.3/1

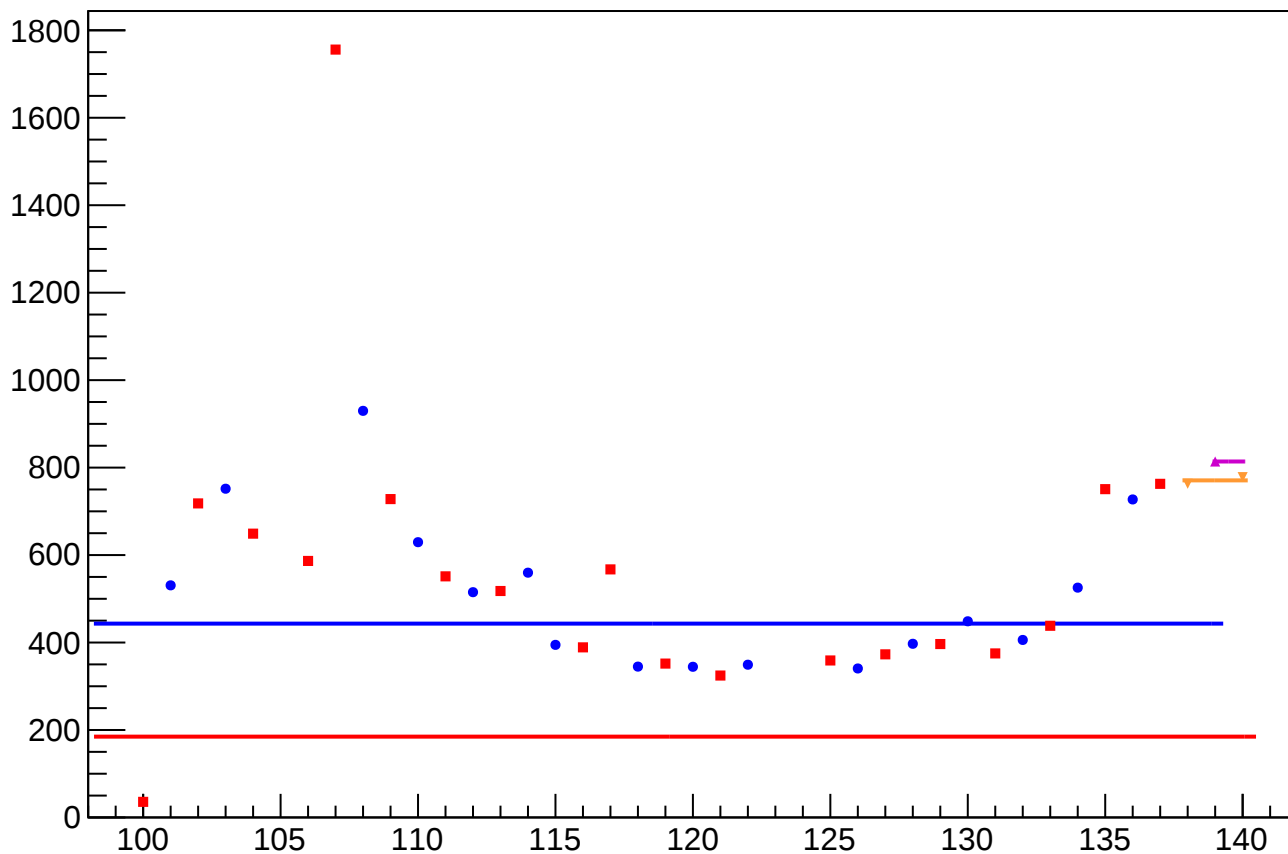
Right Out: 103.328+/-107.623 χ^2/NDF : 23.3/18

Left In: -321.006+/-961.100 χ^2/NDF : 0.0/0

-101.524+/-172.991 χ^2/NDF : 23.6/17

98.073+/-106.954 χ^2/NDF : 23.5/19

asym_left_dd_correction_rms vs Slug



Right In: 443.240 $\pm$ 0.127 χ^2 /NDF: 1060784.8/15

Left Out: 770.787 $\pm$ 0.443 χ^2 /NDF:291.8/1

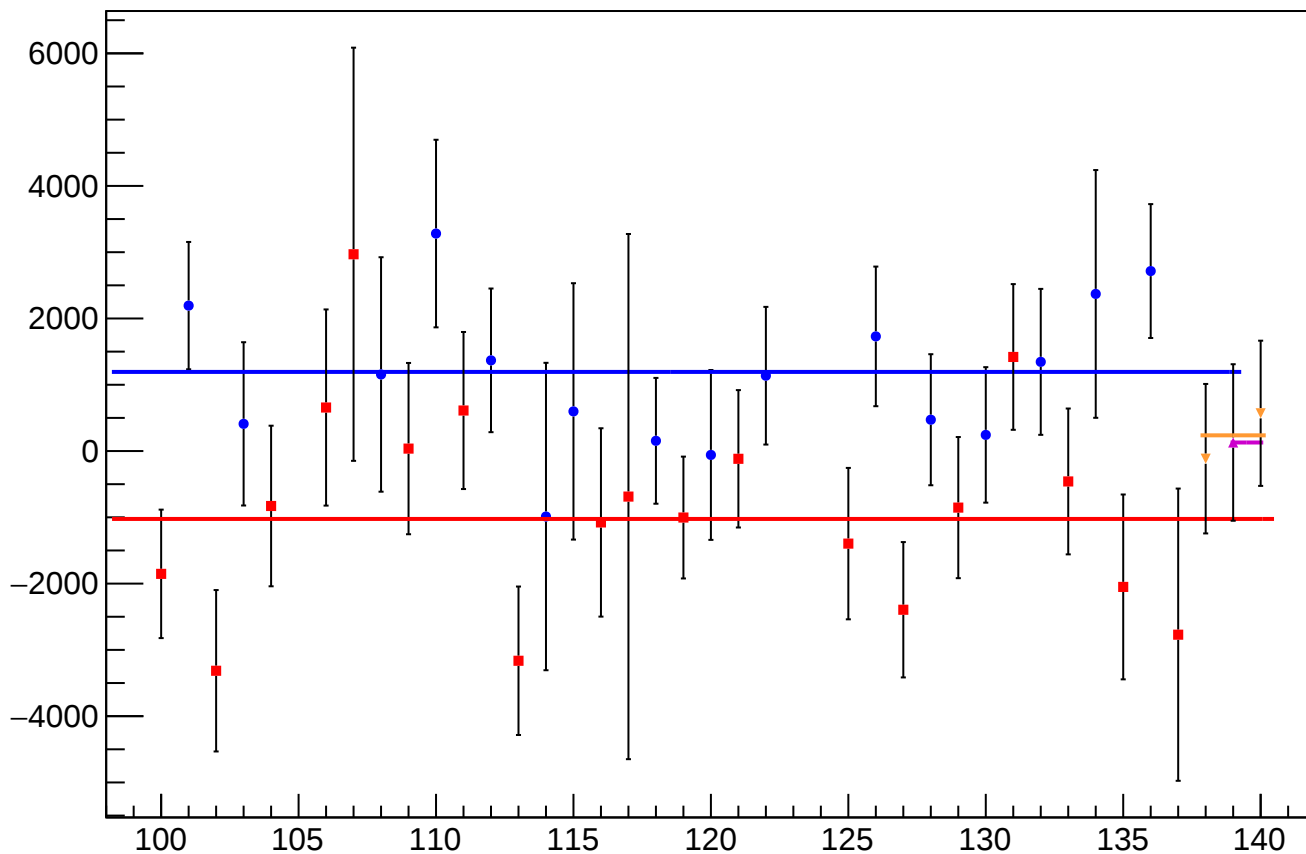
Right Out: 184.814 $\pm$ 0.076 χ^2 /NDF: 8119311.6/18

Left In: 813.969 $\pm$ 0.680 χ^2 /NDF:0.0/0

468.222 $\pm$ 0.122 χ^2 /NDF: 1566242.3/17

192.605 $\pm$ 0.076 χ^2 /NDF: 8965751.6/19

asym_left_dd_mean vs Slug



Right In: 1193.849 $\pm$ 295.046 χ^2 /NDF: 11.2/15

Left Out: 237.006 $\pm$ 785.719 χ^2 /NDF: 0.2/1

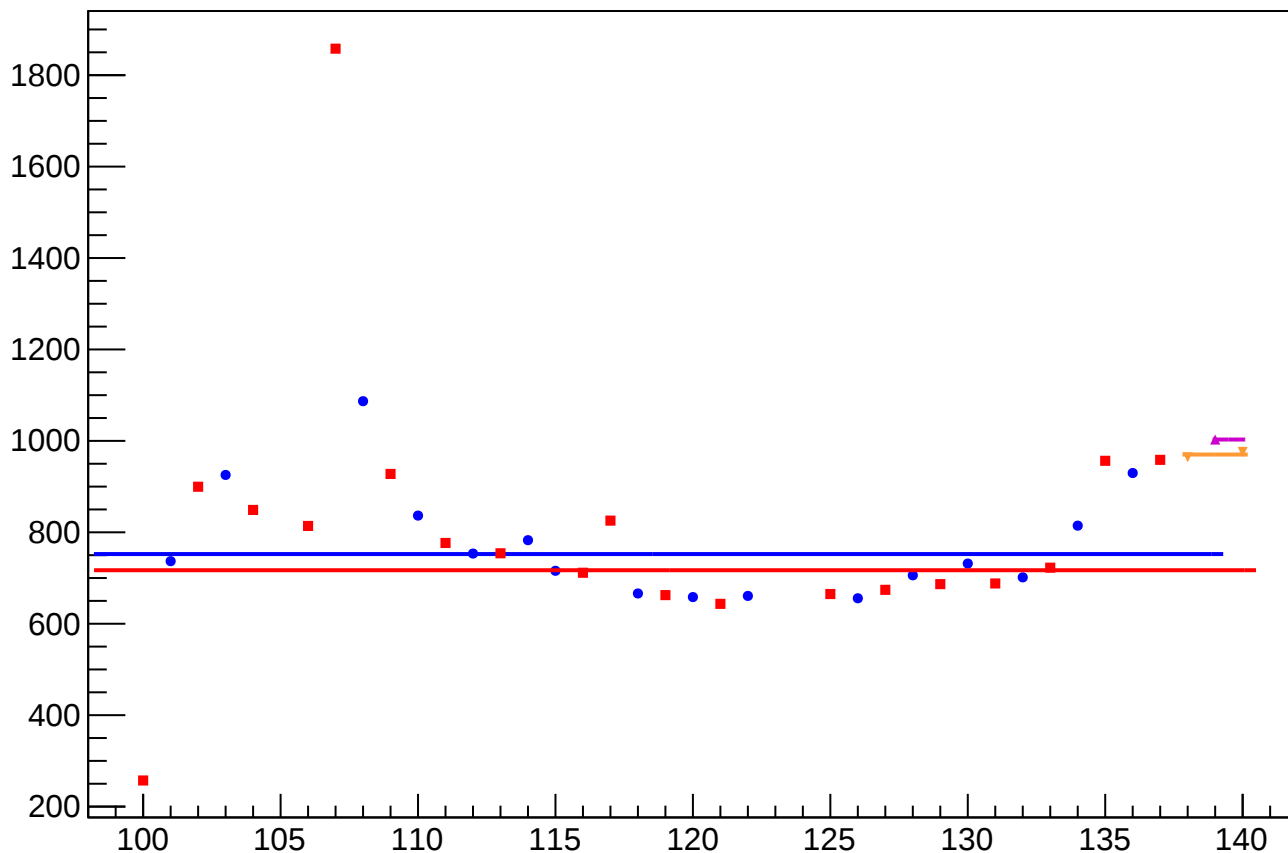
Right Out: -1024.435 $\pm$ 280.119 χ^2 /NDF: 22.5/18

Left In: 128.940 $\pm$ 1180.880 χ^2 /NDF: 0.0/0

1075.600 $\pm$ 276.214 χ^2 /NDF: 12.7/17

-962.992 $\pm$ 272.556 χ^2 /NDF: 23.4/19

asym_left_dd_rms vs Slug



Right In: 752.429 $\pm$ 0.209 χ^2 /NDF: 252705.1/15

Left Out: 970.140 $\pm$ 0.556 χ^2 /NDF:111.2/1

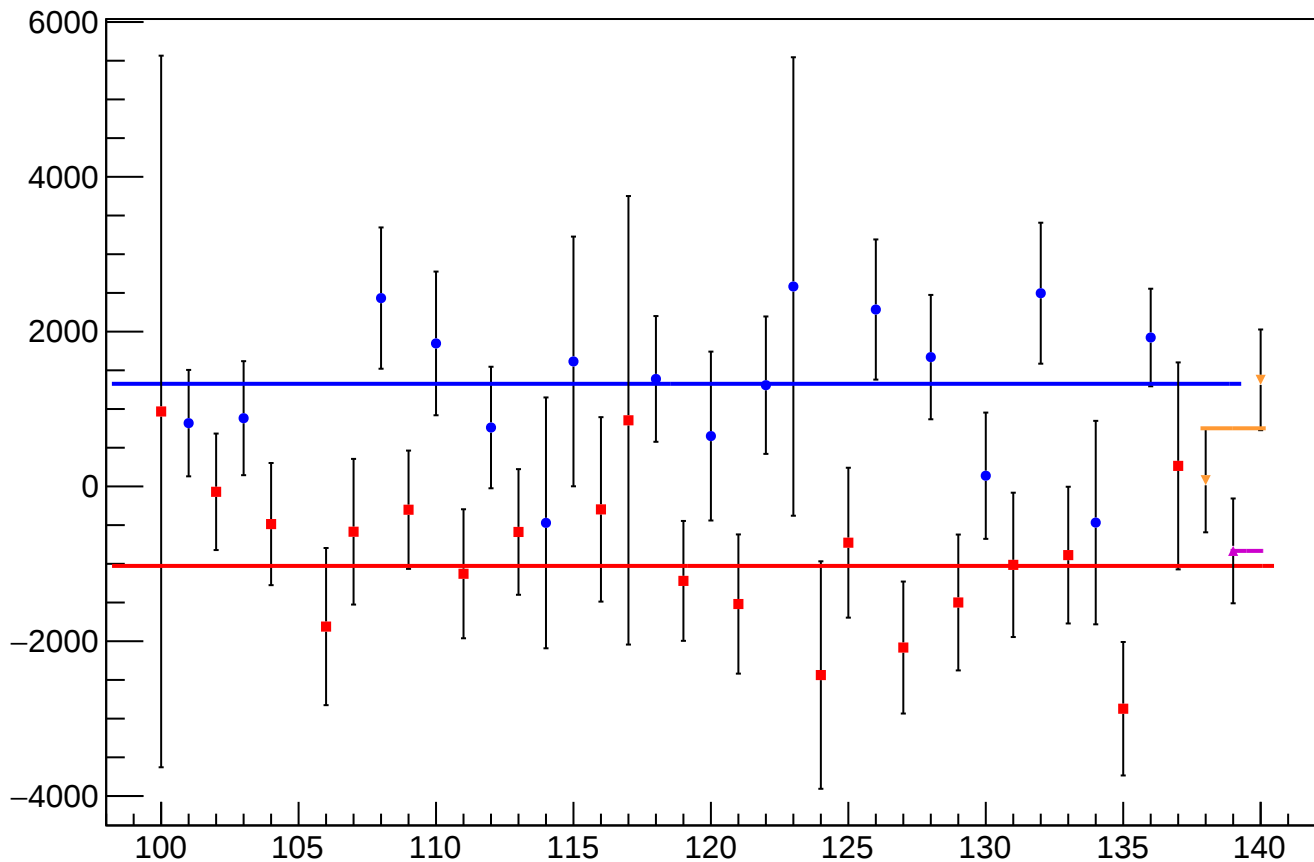
Right Out: 717.067 $\pm$ 0.198 χ^2 /NDF: 968442.7/18

Left In: 1002.979 $\pm$ 0.835 χ^2 /NDF:0.0/0

779.334 $\pm$ 0.195 χ^2 /NDF: 387392.8/17

732.298 $\pm$ 0.193 χ^2 /NDF: 1079438.8/19

reg_asym_right_avg_mean vs Slug



Right In: 1325.776 $\pm$ 218.106 χ^2 /NDF: 12.9/16

Left Out: 751.016 $\pm$ 467.846 χ^2 /NDF: 1.9/1

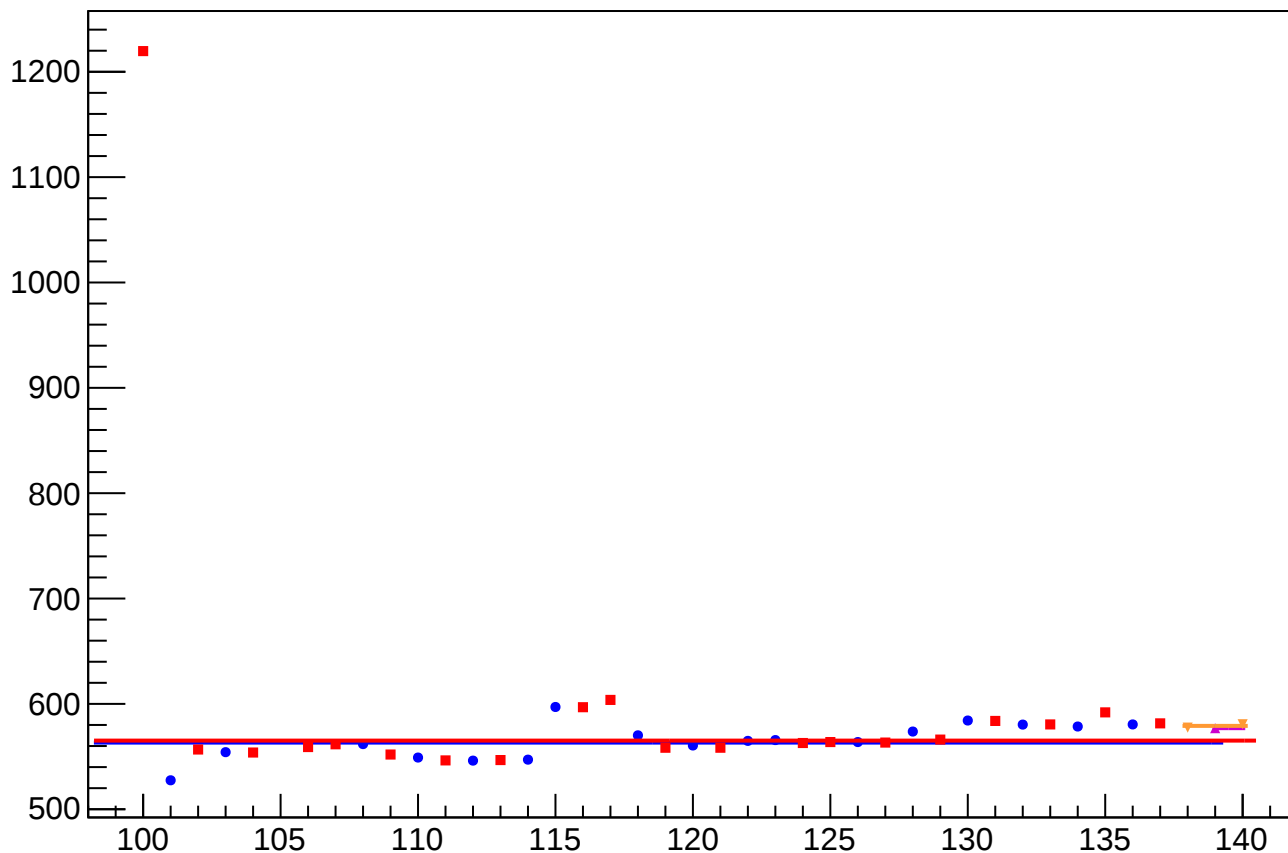
Right Out: -1026.996 $\pm$ 211.021 χ^2 /NDF: 13.8/19

Left In: -832.910 $\pm$ 677.123 χ^2 /NDF: 0.0/0

1223.162 $\pm$ 197.680 χ^2 /NDF: 16.0/18

-1009.815 $\pm$ 201.464 χ^2 /NDF: 13.9/20

reg_asym_right_avg_rms vs Slug



Right In: 563.266+/-0.154 χ^2/NDF : 12520.3/16

Left Out: 579.121+/-0.331 χ^2/NDF : 23.1/1

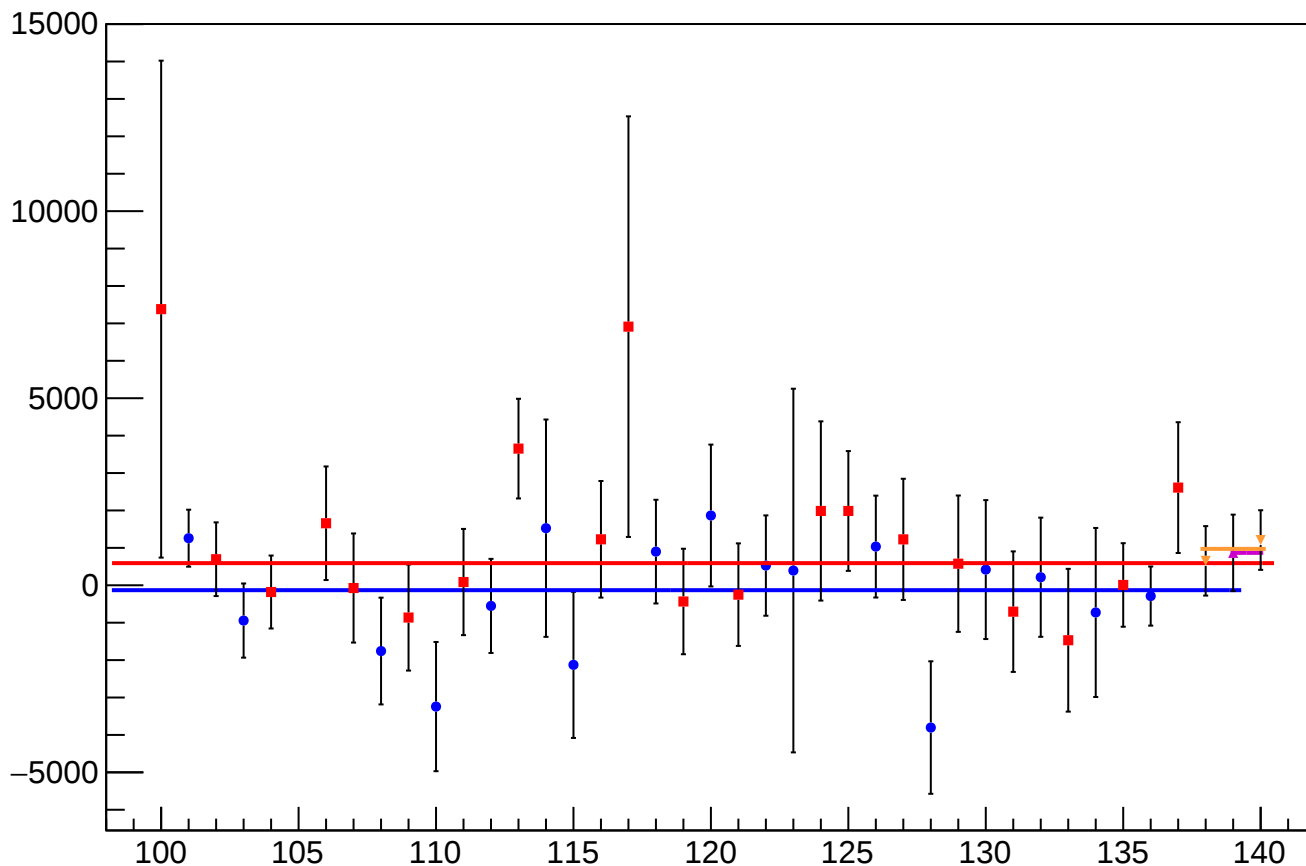
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

Left In: 576.953+/-0.479 χ^2/NDF : 0.0/0

566.096+/-0.140 χ^2/NDF : 14430.5/18

566.195+/-0.142 χ^2/NDF : 50207.1/20

asym_right_avg_correction_mean vs Slug



Right In: -131.097+/-327.588 χ^2/NDF : 17.2/16

Left Out: 973.135+/-604.656 χ^2/NDF : 0.2/1

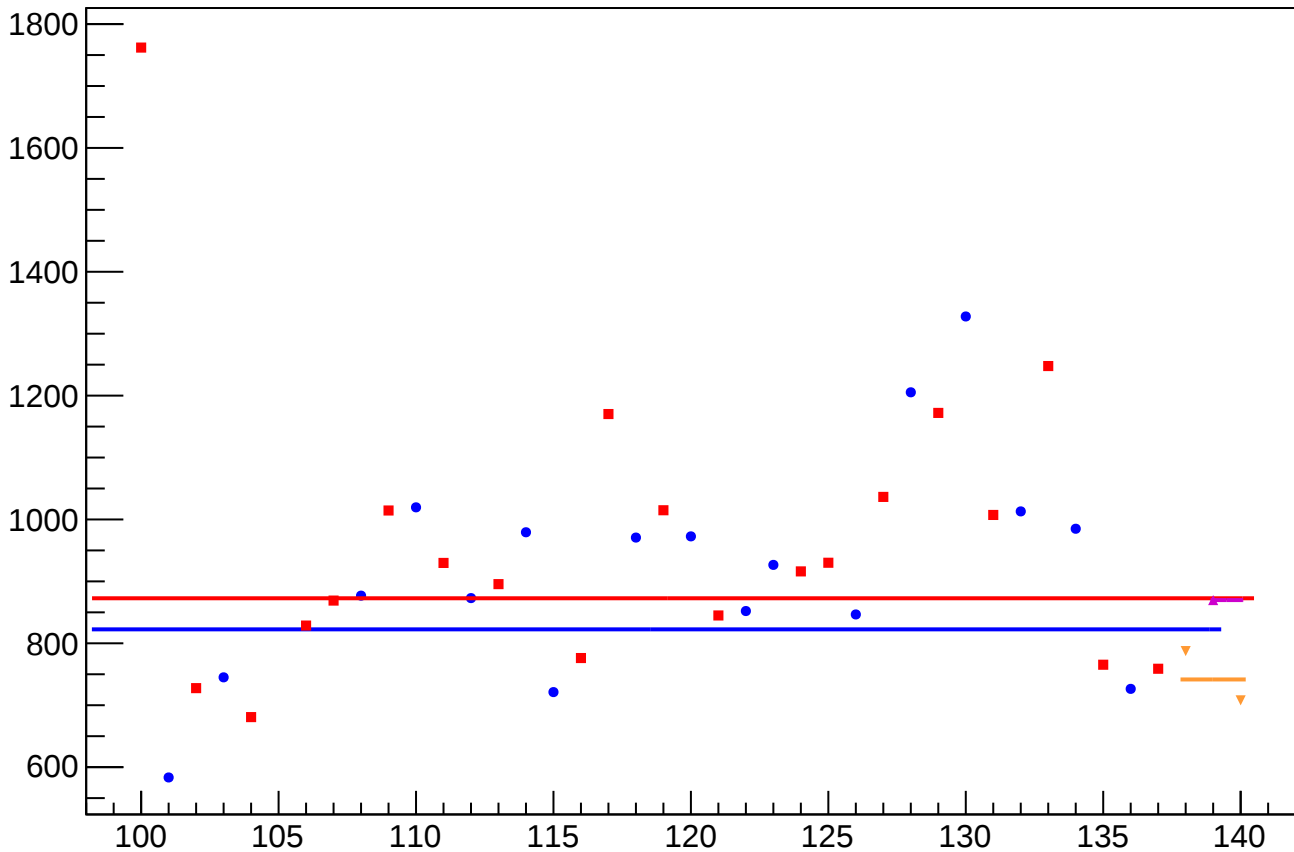
Right Out: 591.948+/-331.825 χ^2/NDF : 15.9/19

Left In: 866.530+/-1021.714 χ^2/NDF : 0.0/0

119.471+/-288.032 χ^2/NDF : 20.0/18

618.147+/-315.598 χ^2/NDF : 15.9/20

asym_right_avg_correction_rms vs Slug



Right In: 822.527 $\pm$ 0.232 χ^2 /NDF: 600956.1/16

Left Out: 741.614 $\pm$ 0.428 χ^2 /NDF: 8456.8/1

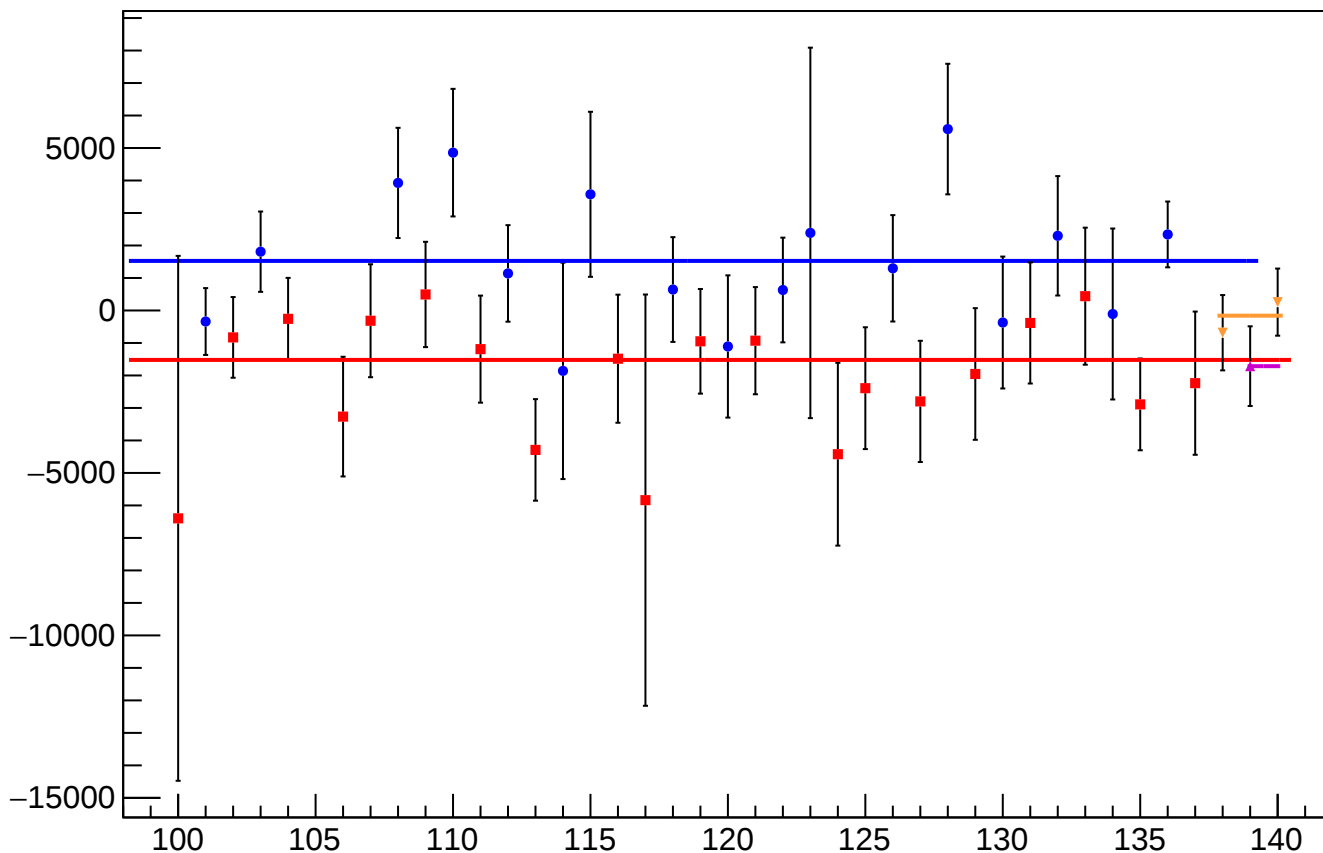
Right Out: 872.719 $\pm$ 0.235 χ^2 /NDF: 412481.2/19

Left In: 869.810 $\pm$ 0.722 χ^2 /NDF: 0.0/0

804.166 $\pm$ 0.204 χ^2 /NDF: 637099.8/18

872.442 $\pm$ 0.223 χ^2 /NDF: 412495.8/20

asym_right_avg_mean vs Slug



Right In: 1525.470 $\pm$ 401.784 χ^2 /NDF: 18.2/16

Left Out: -159.727 $\pm$ 771.138 χ^2 /NDF: 0.4/1

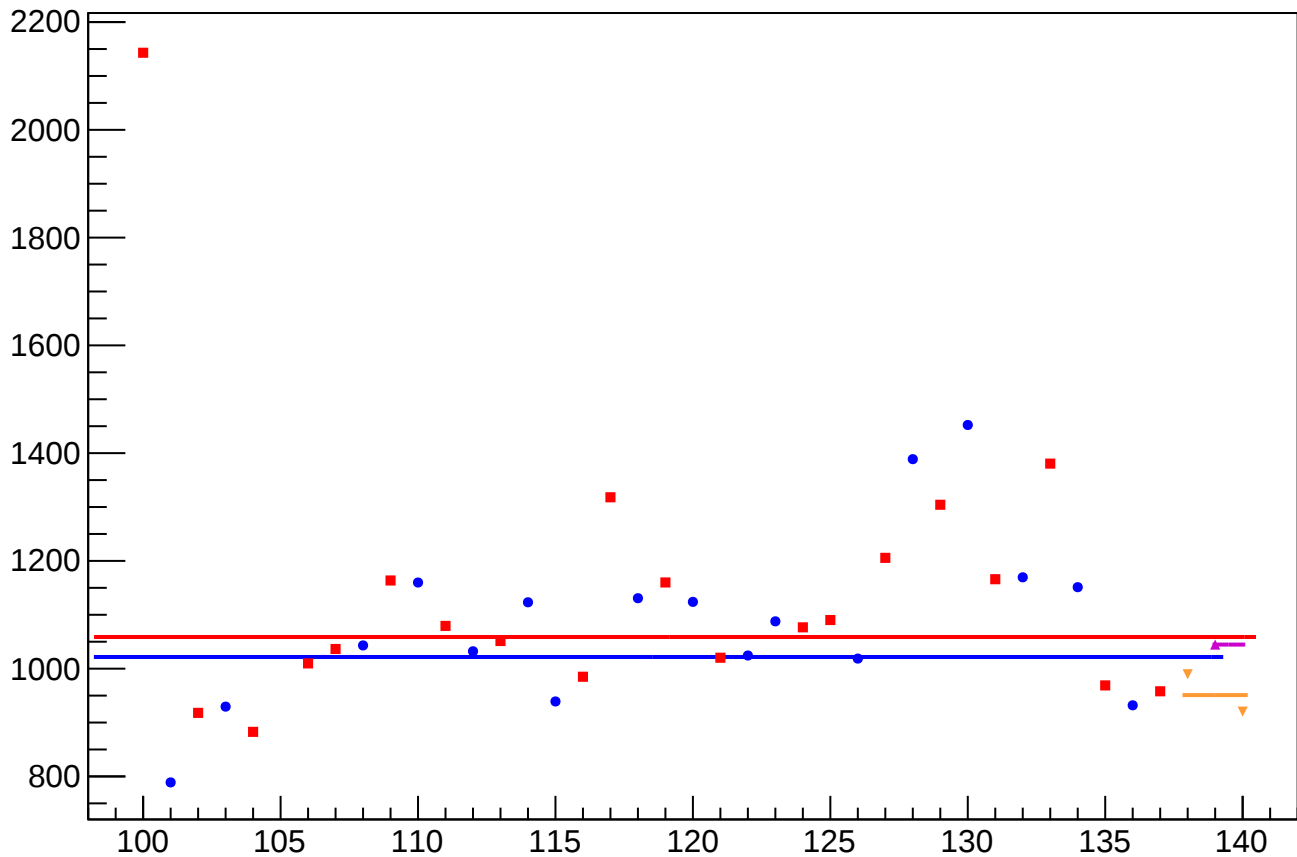
Right Out: -1521.641 $\pm$ 399.157 χ^2 /NDF: 12.6/19

Left In: -1713.929 $\pm$ 1226.605 χ^2 /NDF: 0.0/0

1165.667 $\pm$ 356.319 χ^2 /NDF: 22.4/18

-1540.054 $\pm$ 379.565 χ^2 /NDF: 12.6/20

asym_right_avg_rms vs Slug



Right In: 1021.665+/-0.284 χ^2/NDF : 331949.3/16

Left Out: 950.947+/-0.545 χ^2/NDF : 3988.3/1

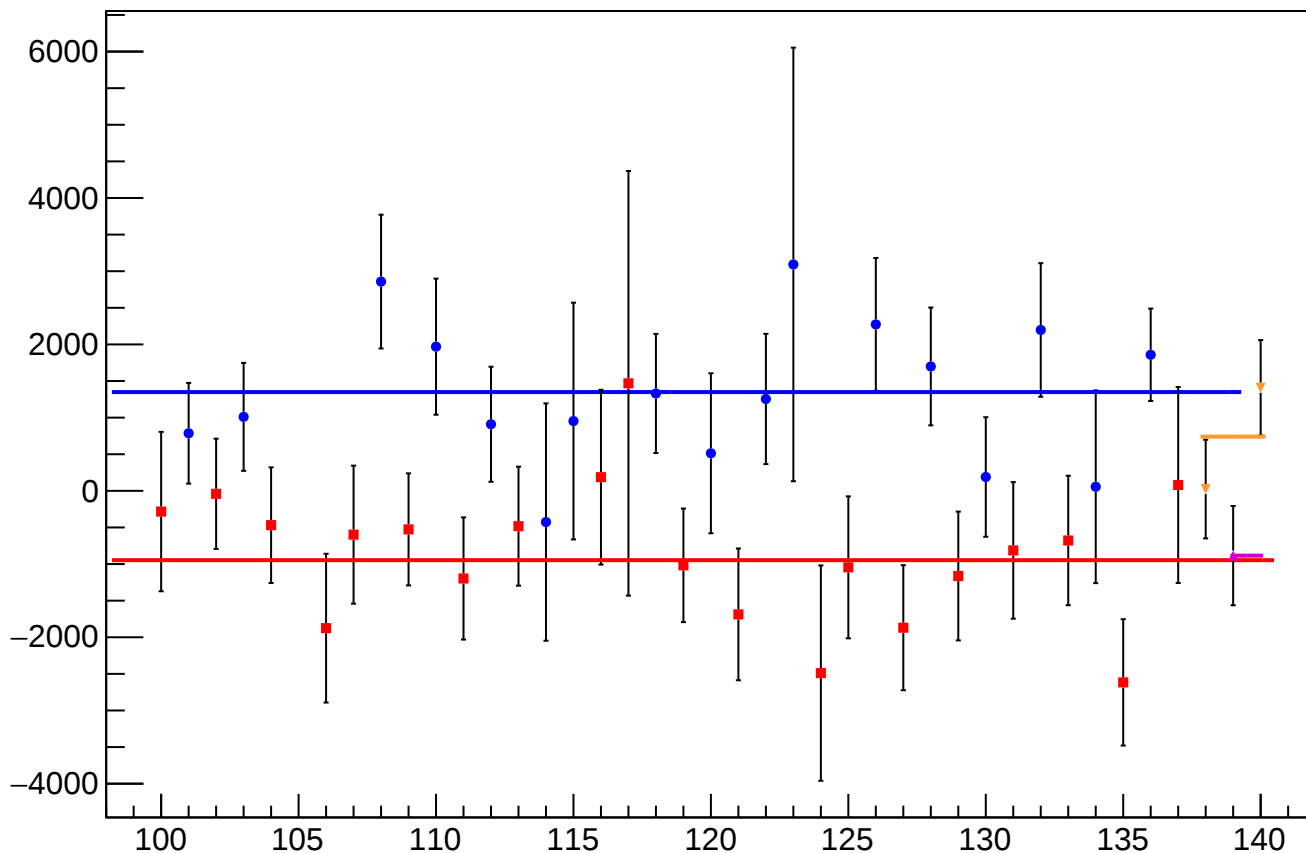
Right Out: 1058.783+/-0.282 χ^2/NDF : 234314.8/19

Left In: 1044.683+/-0.867 χ^2/NDF : 0.0/0

1006.566+/-0.252 χ^2/NDF : 349166.4/18

1057.433+/-0.268 χ^2/NDF : 234553.8/20

reg_asym_right_dd_mean vs Slug



Right In: 1349.156+/-218.361 χ^2/NDF : 12.3/16

Left Out: 740.075+/-468.364 χ^2/NDF : 2.2/1

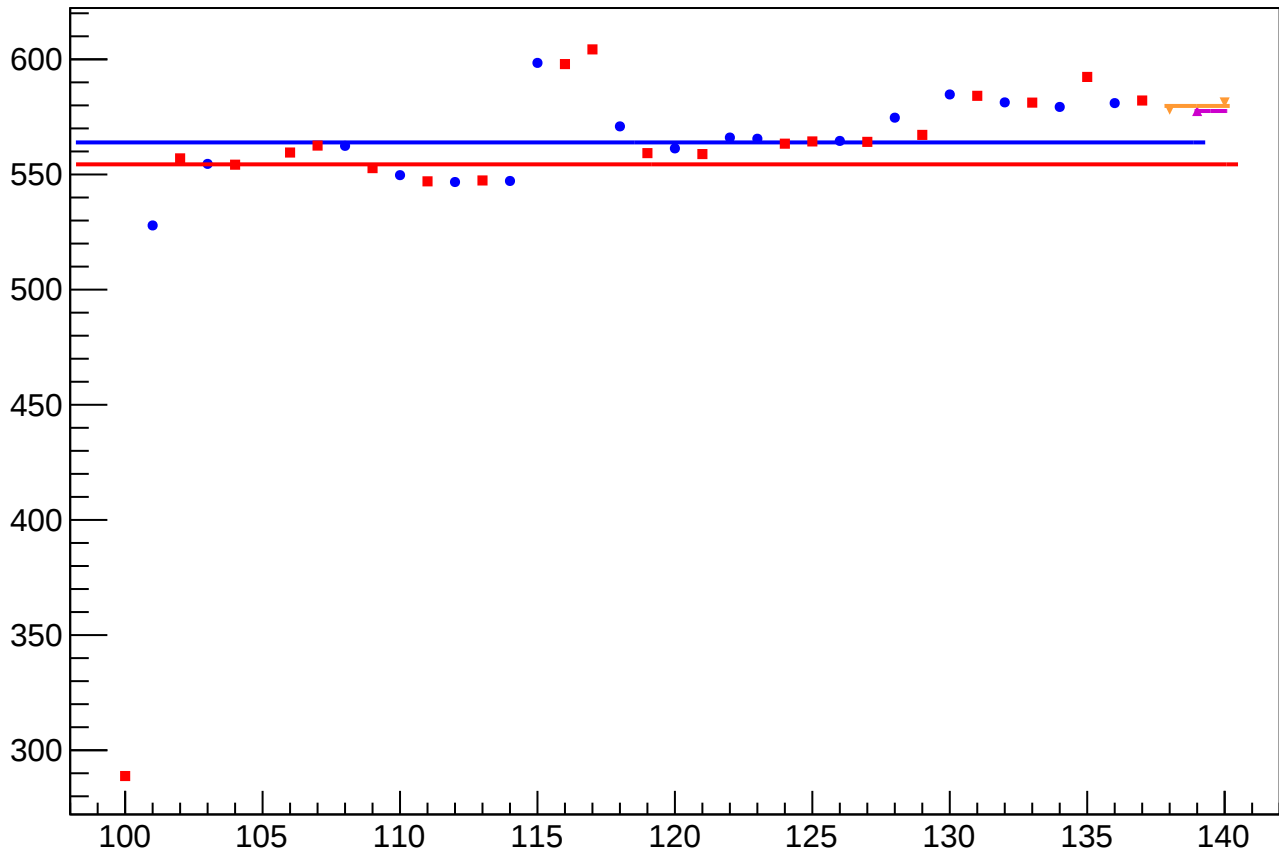
Right Out: -947.051+/-207.609 χ^2/NDF : 12.9/19

Left In: -885.007+/-677.835 χ^2/NDF : 0.0/0

1240.403+/-197.909 χ^2/NDF : 15.9/18

-941.730+/-198.507 χ^2/NDF : 12.9/20

reg_asym_right_dd_rms vs Slug



Right In: 563.922 ± 0.154 χ^2/NDF : 12663.1/16

Left Out: 579.762 ± 0.331 χ^2/NDF : 22.5/1

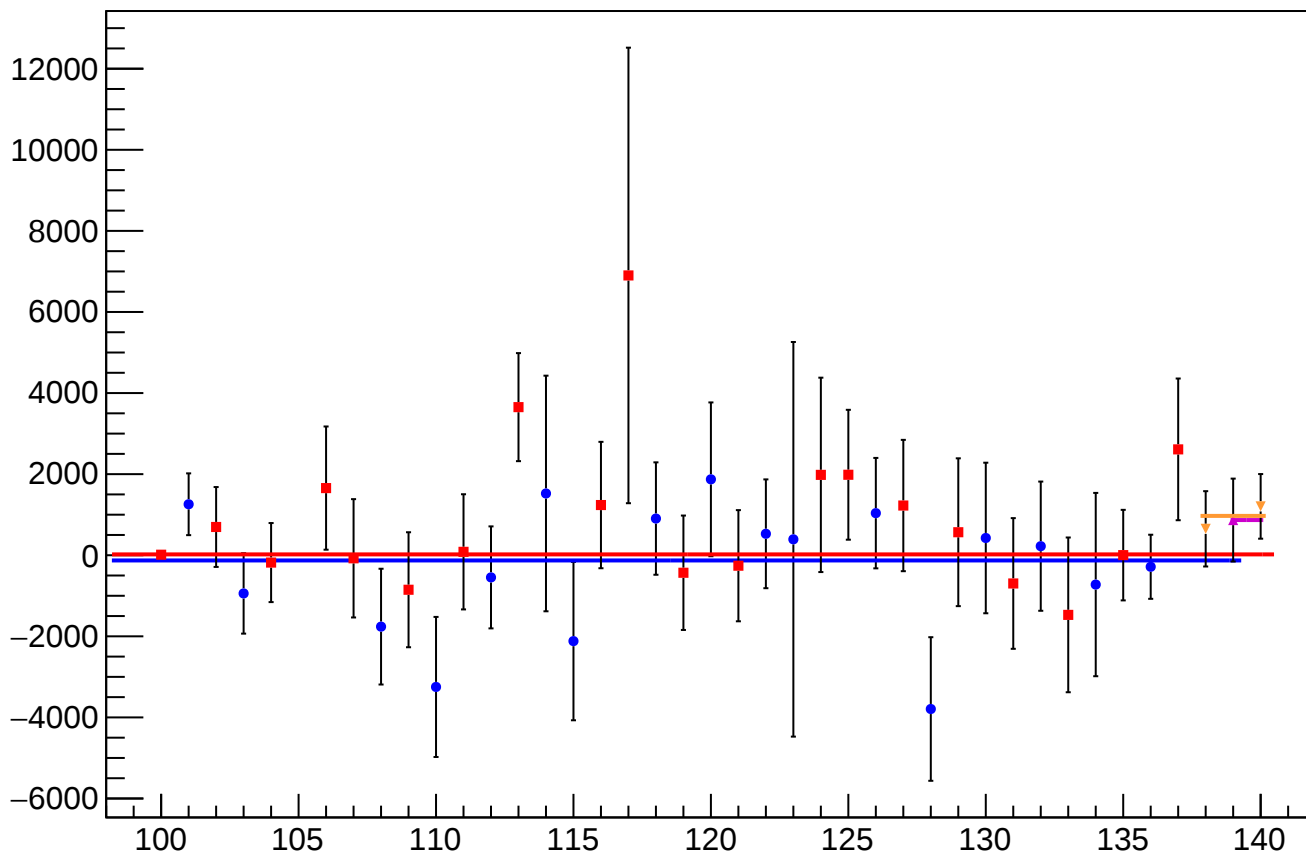
Right Out: 554.402 ± 0.147 χ^2/NDF : 132560.6/19

Left In: 577.559 ± 0.479 χ^2/NDF : 0.0/0

566.751 ± 0.140 χ^2/NDF : 14564.7/18

556.388 ± 0.140 χ^2/NDF : 134694.8/20

asym_right_dd_correction_mean vs Slug



Right In: -128.725+/-327.688 χ^2/NDF : 17.2/16

Left Out: 970.239+/-604.936 χ^2/NDF : 0.2/1

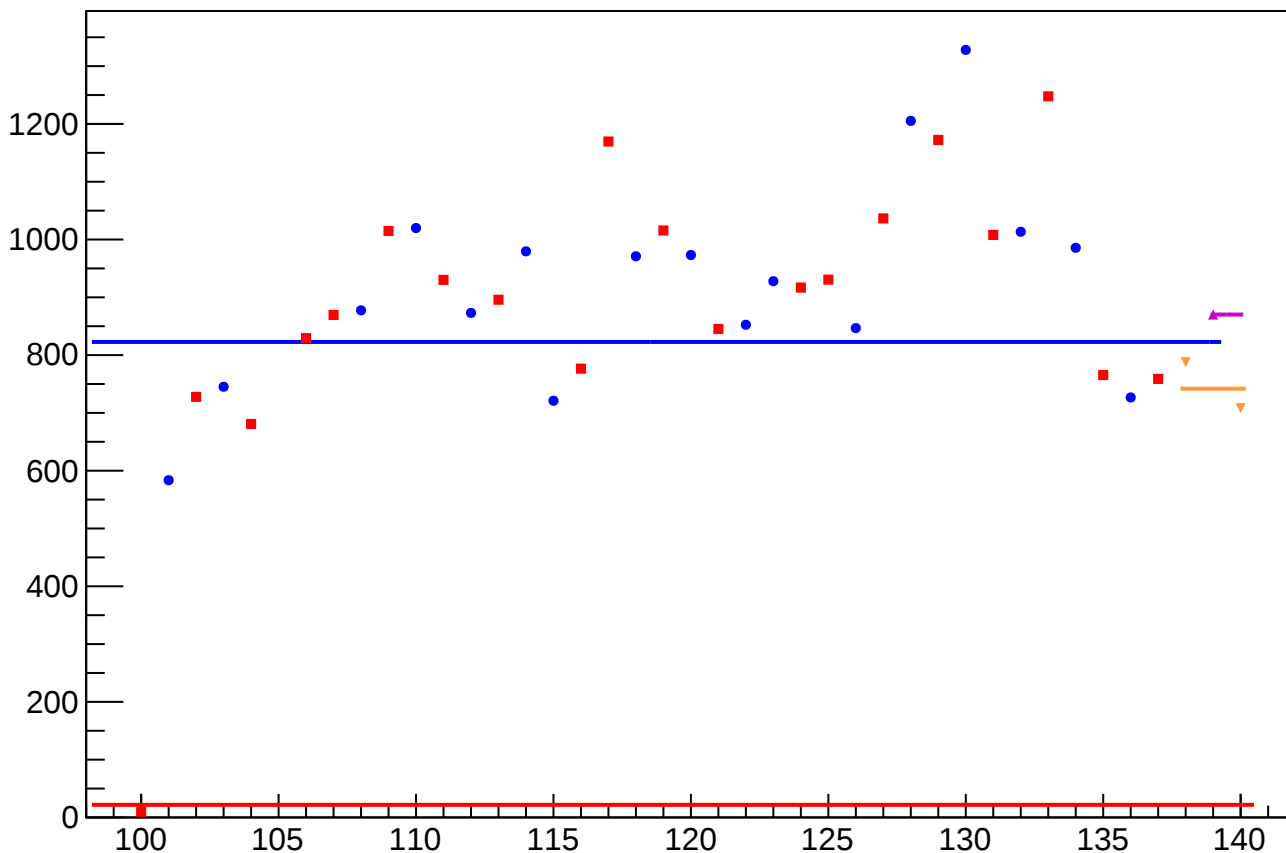
Right Out: 20.715+/-38.953 χ^2/NDF : 17.6/19

Left In: 867.645+/-1022.140 χ^2/NDF : 0.0/0

120.587+/-288.131 χ^2/NDF : 20.0/18

21.943+/-38.925 χ^2/NDF : 18.3/20

asym_right_dd_correction_rms vs Slug



Right In: 822.780 $\pm$ 0.232 χ^2 /NDF: 600873.9/16

Left Out: 741.945 $\pm$ 0.428 χ^2 /NDF:8451.4/1

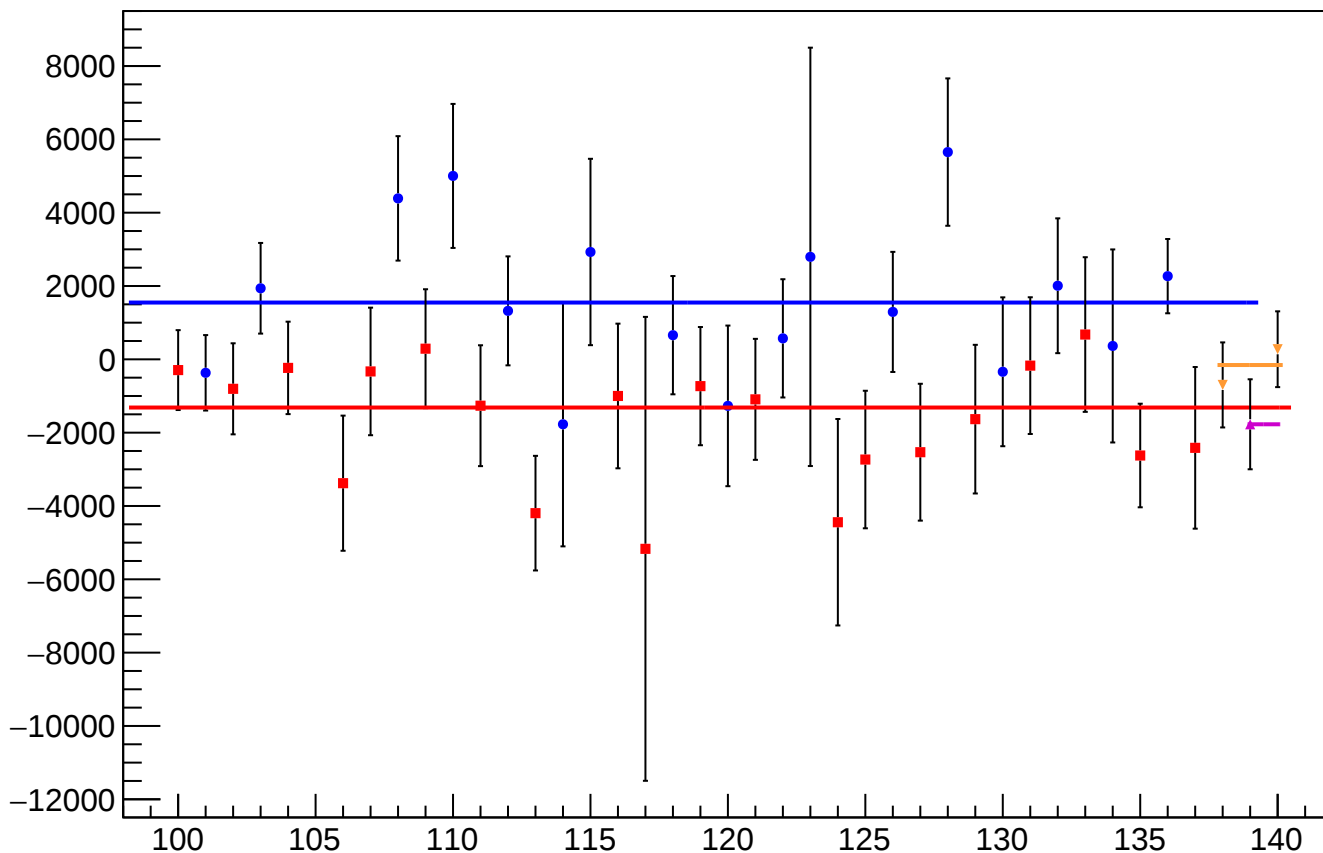
Right Out: 21.867 $\pm$ 0.028 χ^2 /NDF: 13607091.0/19

Left In: 870.174 $\pm$ 0.723 χ^2 /NDF:0.0/0

804.442 $\pm$ 0.204 χ^2 /NDF: 636935.0/18

23.098 $\pm$ 0.028 χ^2 /NDF: 14982669.2/20

asym_right_dd_mean vs Slug



Right In: 1548.873+/-402.008 χ^2/NDF : 19.0/16

Left Out: -155.351+/-771.688 χ^2/NDF : 0.4/1

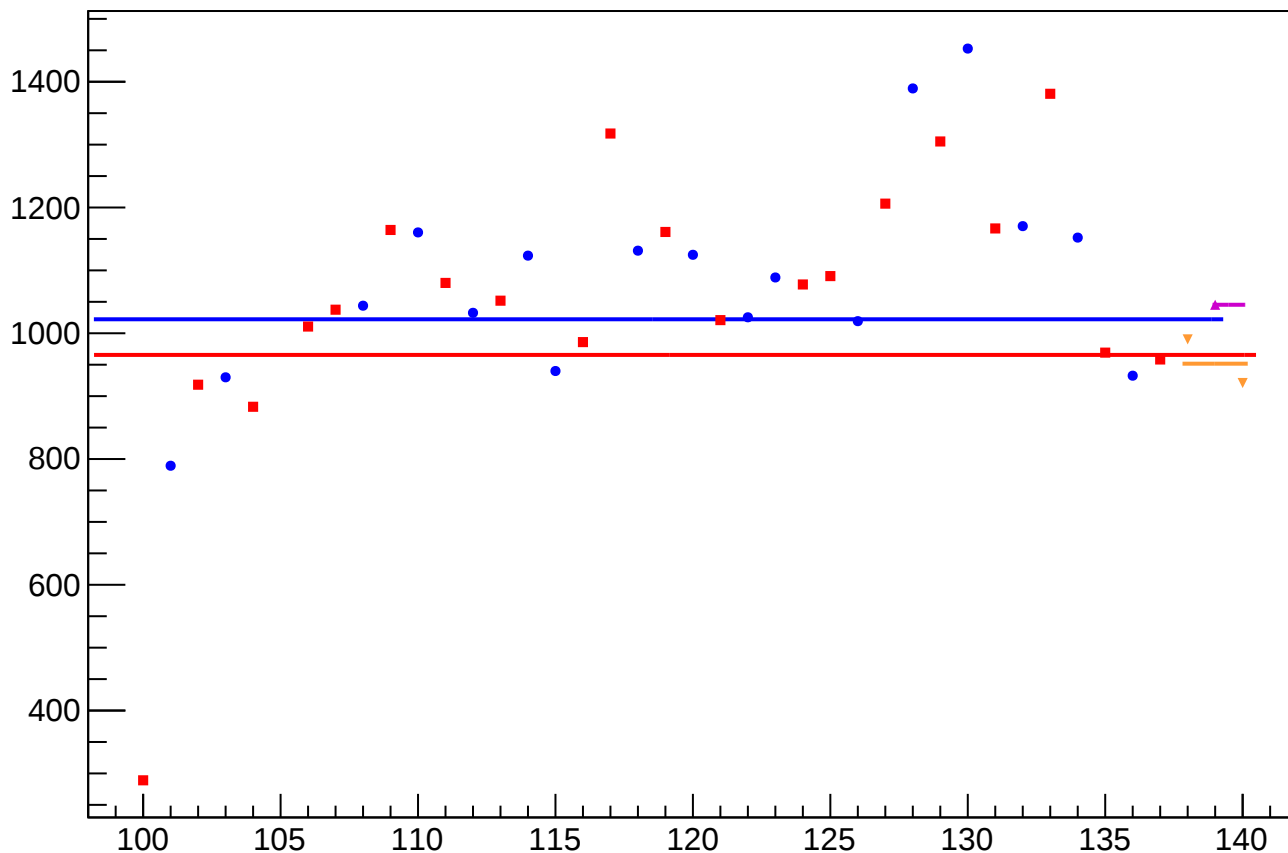
Right Out: -1314.562+/-375.381 χ^2/NDF : 12.9/19

Left In: -1771.660+/-1227.358 χ^2/NDF : 0.0/0

1185.095+/-356.530 χ^2/NDF : 23.2/18

-1353.662+/-358.967 χ^2/NDF : 13.0/20

asym_right_dd_rms vs Slug



Right In: 1022.241+/-0.284 χ^2/NDF : 331865.9/16

Left Out: 951.618+/-0.546 χ^2/NDF : 3988.5/1

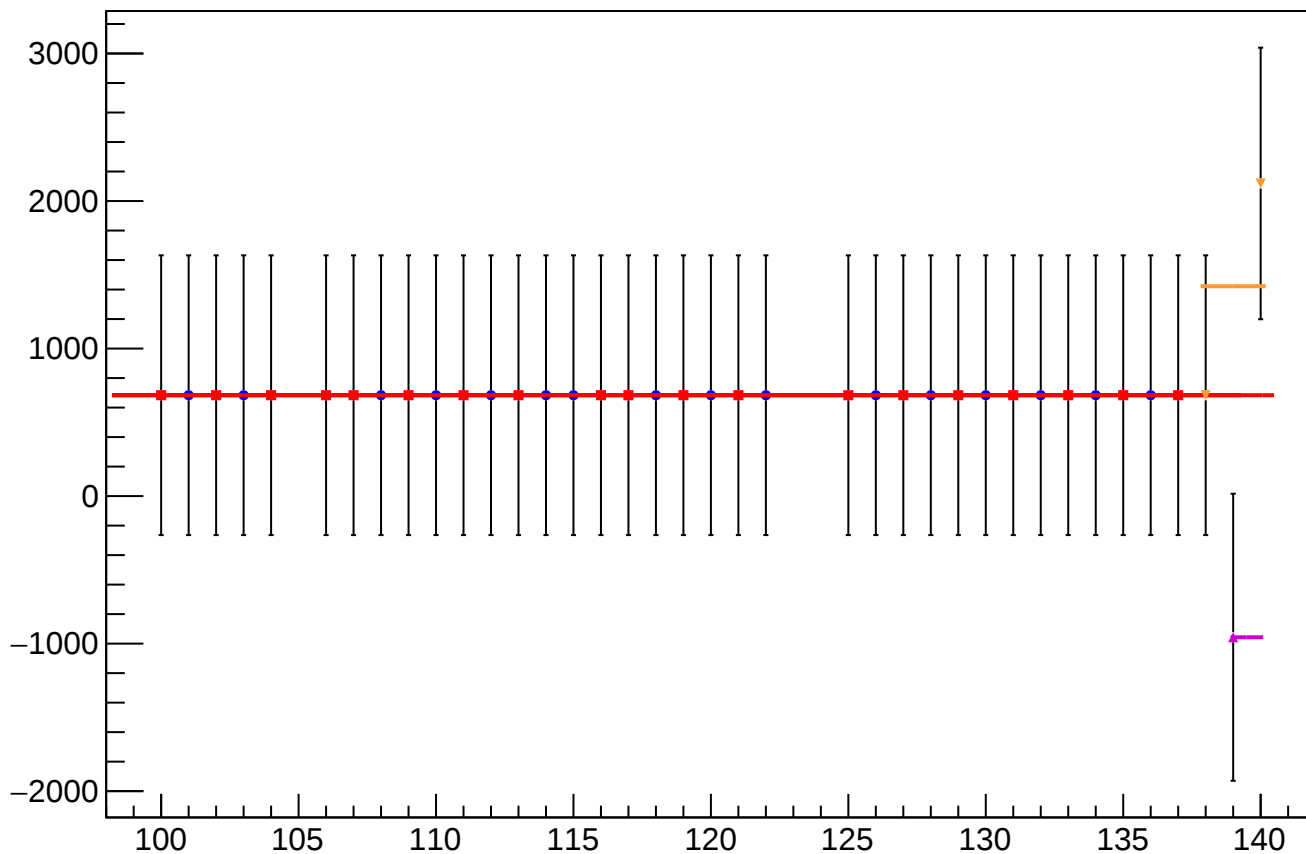
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

Left In: 1045.328+/-0.868 χ^2/NDF : 0.0/0

1007.166+/-0.252 χ^2/NDF : 349029.9/18

972.396+/-0.254 χ^2/NDF : 1081219.6/20

cor_asym_us_avg_mean vs Slug



Right In: 683.821 $\pm$ 237.011 χ^2 /NDF: 0.0/15

Left Out: 1422.699 $\pm$ 660.381 χ^2 /NDF:1.2/1

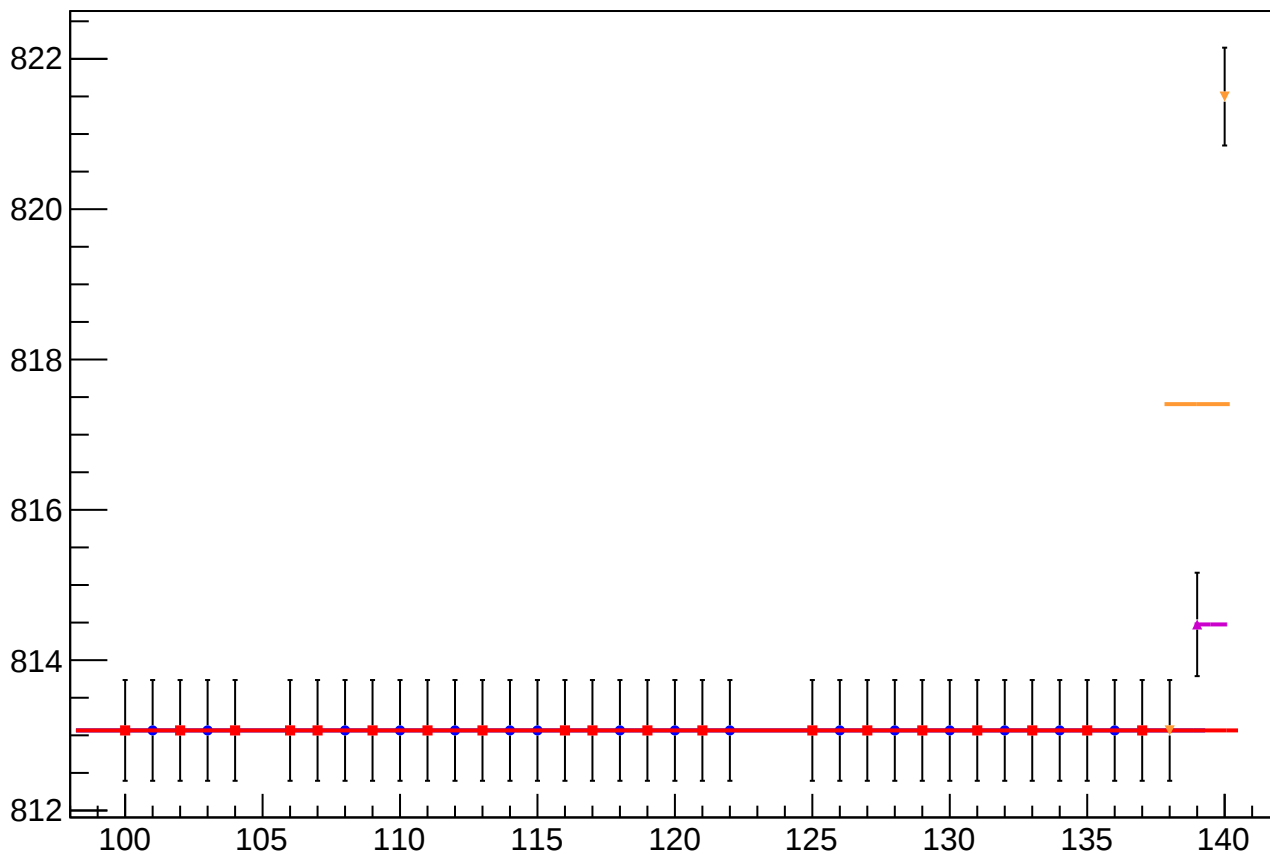
Right Out: 683.821 $\pm$ 217.496 χ^2 /NDF: 0.0/18

Left In: -956.987 $\pm$ 972.849 χ^2 /NDF:0.0/0

768.135 $\pm$ 223.079 χ^2 /NDF: 2.3/17

605.715 $\pm$ 212.256 χ^2 /NDF: 2.7/19

cor_asym_us_avg_rms vs Slug



Right In: 813.065 $\pm$ 0.168 χ^2/NDF : 0.0/15

Left Out: 817.406 $\pm$ 0.467 χ^2/NDF : 81.5/1

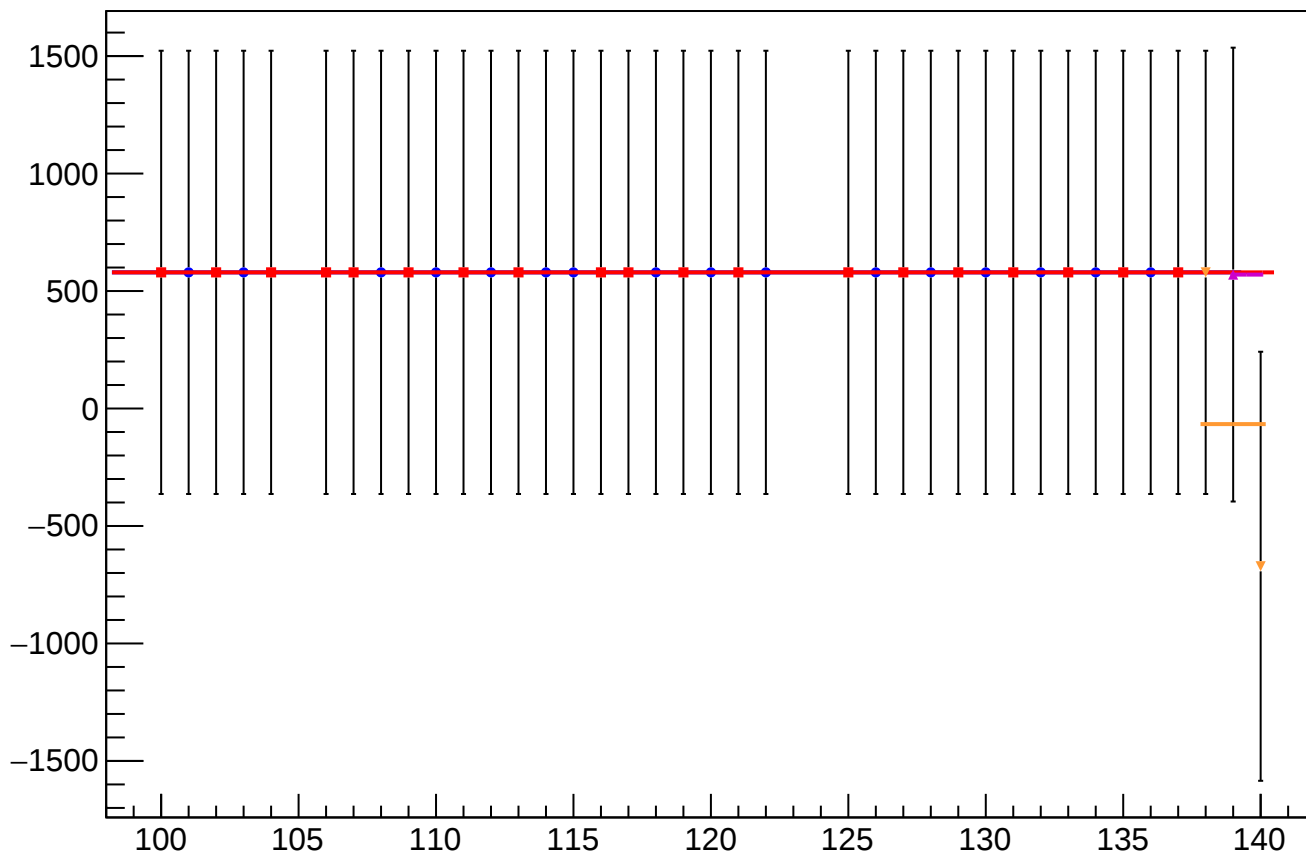
Right Out: 813.065 $\pm$ 0.154 χ^2/NDF : 0.0/18

Left In: 814.475 $\pm$ 0.688 χ^2/NDF : 0.0/0

813.561 $\pm$ 0.158 χ^2/NDF : 158.0/17

813.133 $\pm$ 0.150 χ^2/NDF : 4.0/19

cor_asym_us_dd_mean vs Slug



Right In: 579.419 $\pm$ 235.812 χ^2 /NDF: 0.0/15

Left Out: -66.356 $\pm$ 656.043 χ^2 /NDF: 0.9/1

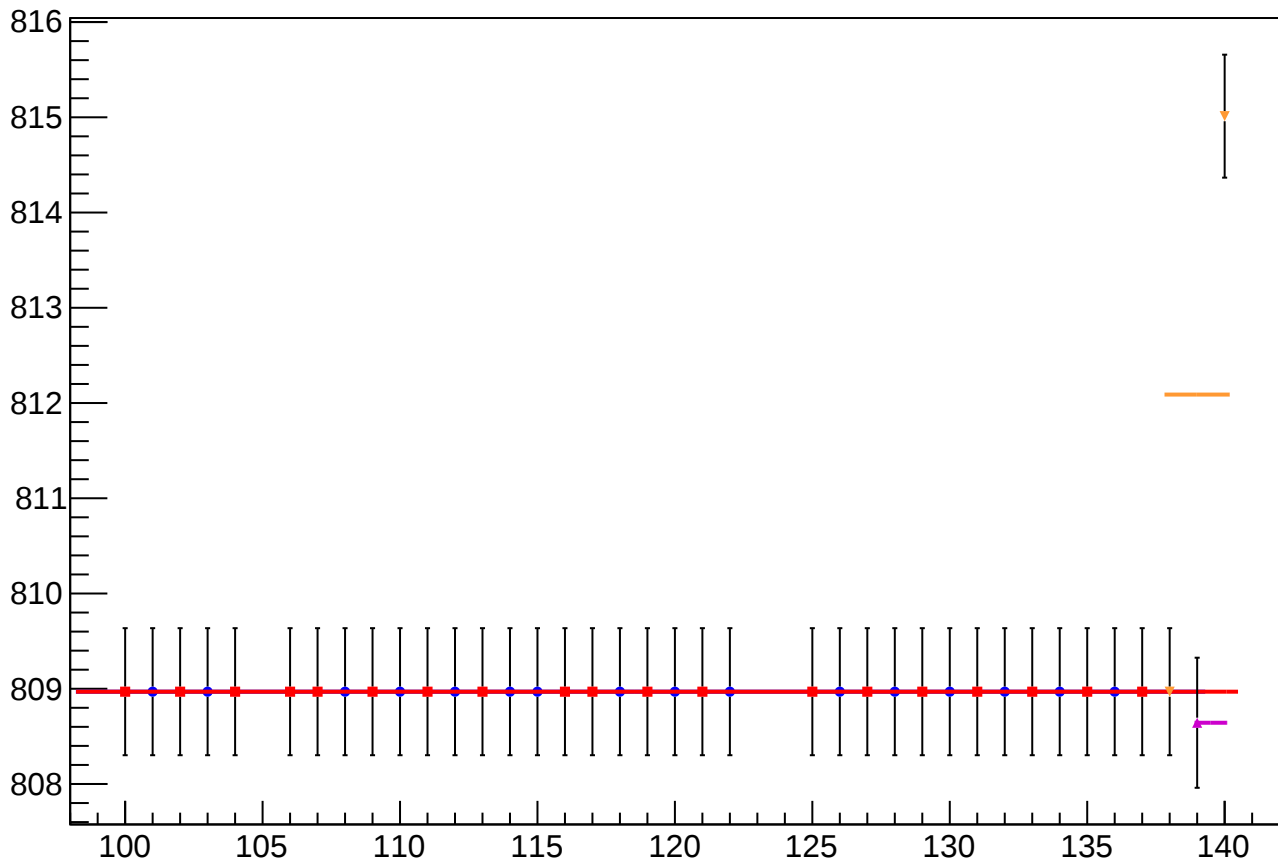
Right Out: 579.419 $\pm$ 216.396 χ^2 /NDF: 0.0/18

Left In: 569.933 $\pm$ 965.829 χ^2 /NDF: 0.0/0

505.531 $\pm$ 221.912 χ^2 /NDF: 1.8/17

578.966 $\pm$ 211.161 χ^2 /NDF: 0.0/19

cor_asym_us_dd_rms vs Slug



Right In: 808.969 $\pm$ 0.167 χ^2 /NDF: 0.0/15

Left Out: 812.089 $\pm$ 0.464 χ^2 /NDF:42.4/1

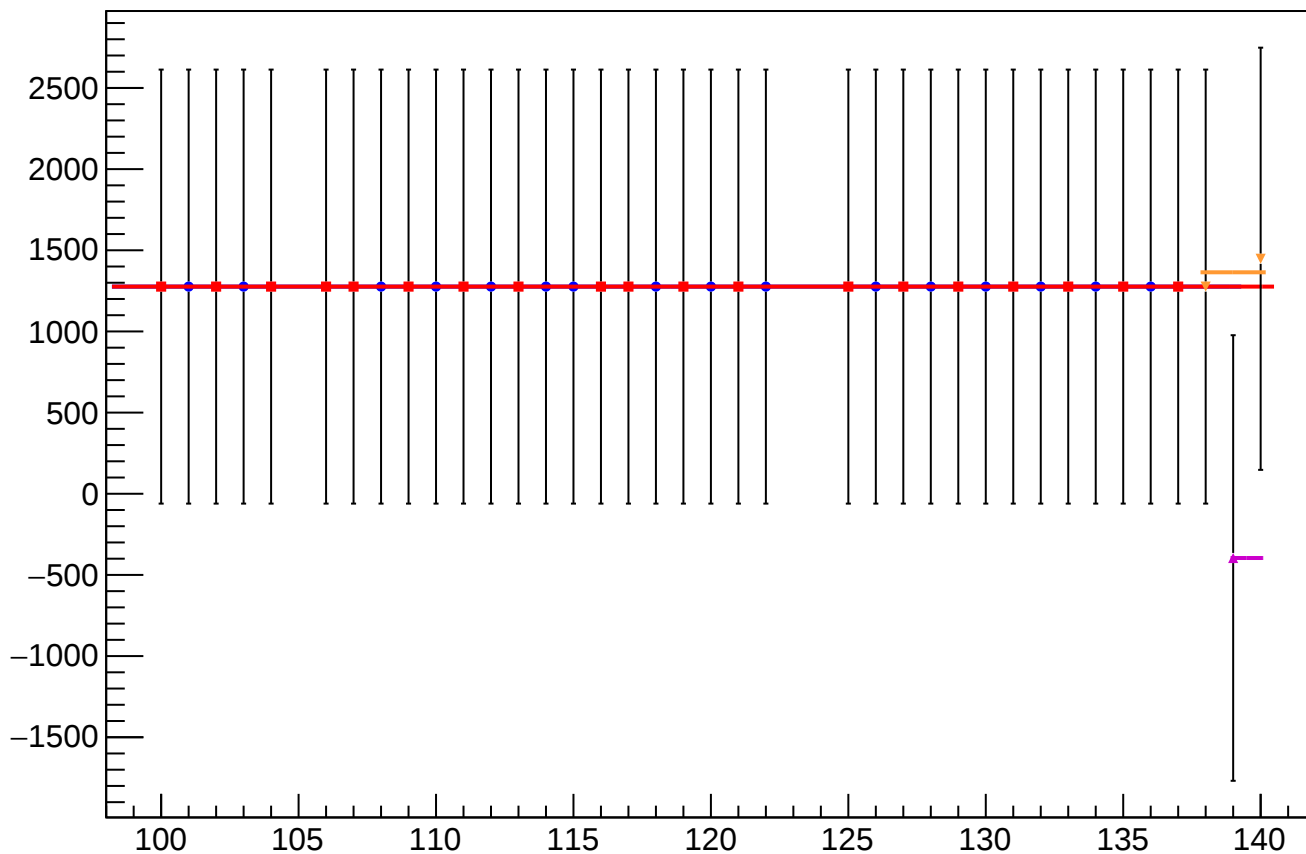
Right Out: 808.969 $\pm$ 0.153 χ^2 /NDF: 0.0/18

Left In: 808.643 $\pm$ 0.683 χ^2 /NDF:0.0/0

809.326 $\pm$ 0.157 χ^2 /NDF: 82.4/17

808.953 $\pm$ 0.149 χ^2 /NDF: 0.2/19

cor_asym_usl_mean vs Slug



Right In: 1276.244 $\pm$ 334.229 χ^2 /NDF: 0.0/15

Left Out: 1364.356 $\pm$ 932.201 χ^2 /NDF:0.0/1

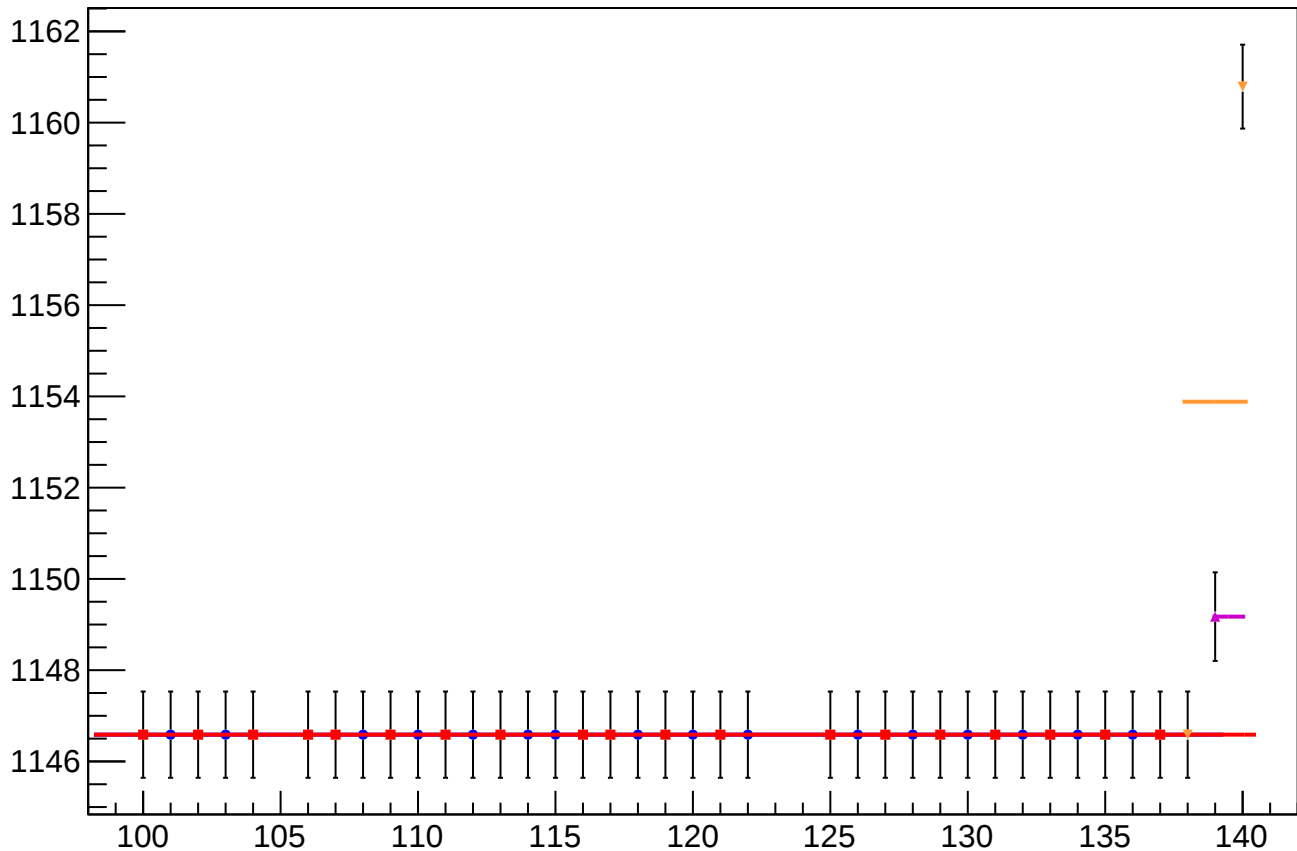
Right Out: 1276.244 $\pm$ 306.710 χ^2 /NDF: 0.0/18

Left In: -395.771 $\pm$ 1372.589 χ^2 /NDF:0.0/0

1286.280 $\pm$ 314.618 χ^2 /NDF: 0.0/17

1196.728 $\pm$ 299.328 χ^2 /NDF: 1.4/19

cor_asym_usl_rms vs Slug



Right In: 1146.587+/-0.236 χ^2/NDF : 0.0/15

Left Out: 1153.884+/-0.659 χ^2/NDF :116.0/1

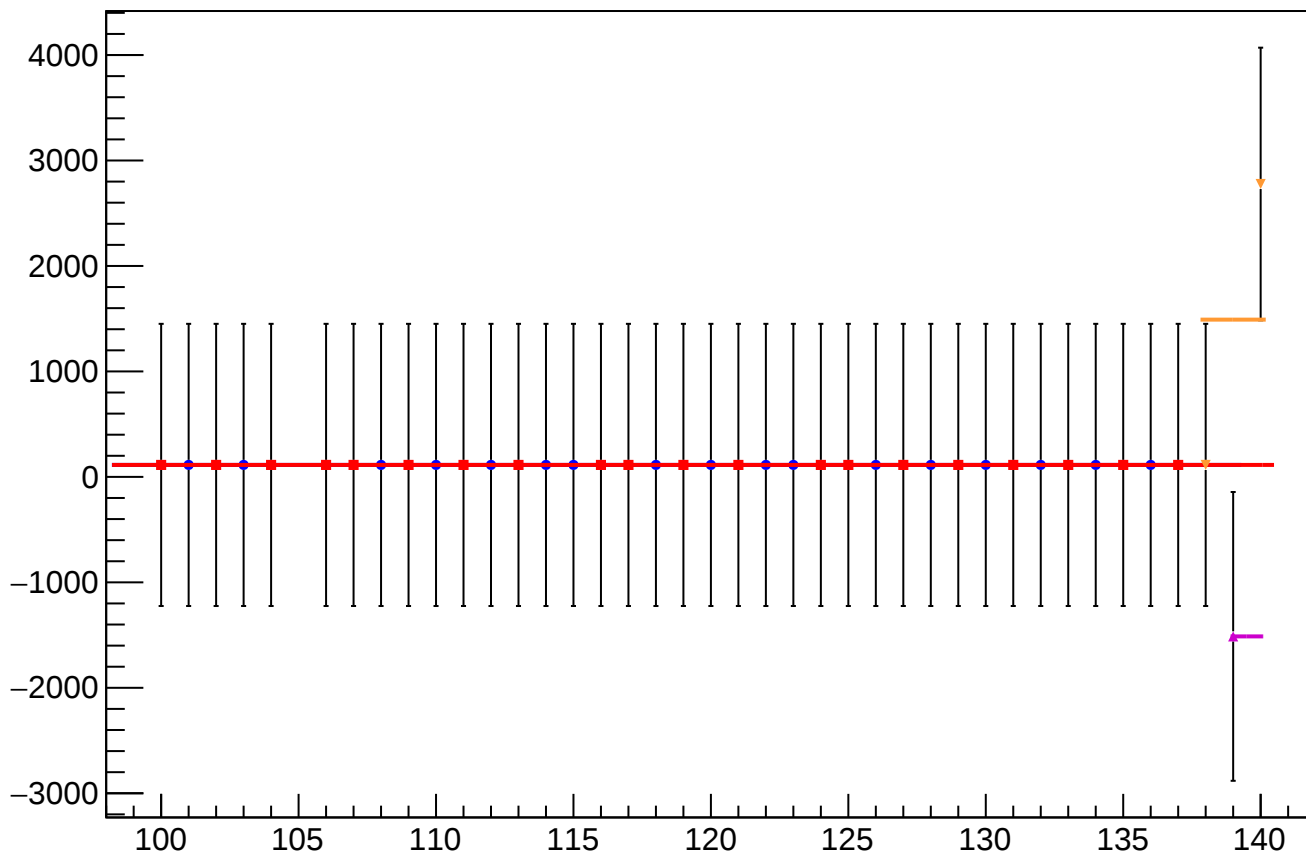
Right Out: 1146.587 ± 0.217 χ^2/NDF : 0.0/18

Left In: 1149.173+/-0.971 χ^2/NDF :0.0/0

1147.418+/-0.222 χ^2/NDF : 224.6/17

1146.710+/-0.212 χ^2/NDF : 6.8/19

cor_asym_usr_mean vs Slug



Right In: 113.423+/-324.462 χ^2/NDF : 0.0/16

Left Out: 1491.105+/-929.566 χ^2/NDF :2.1/1

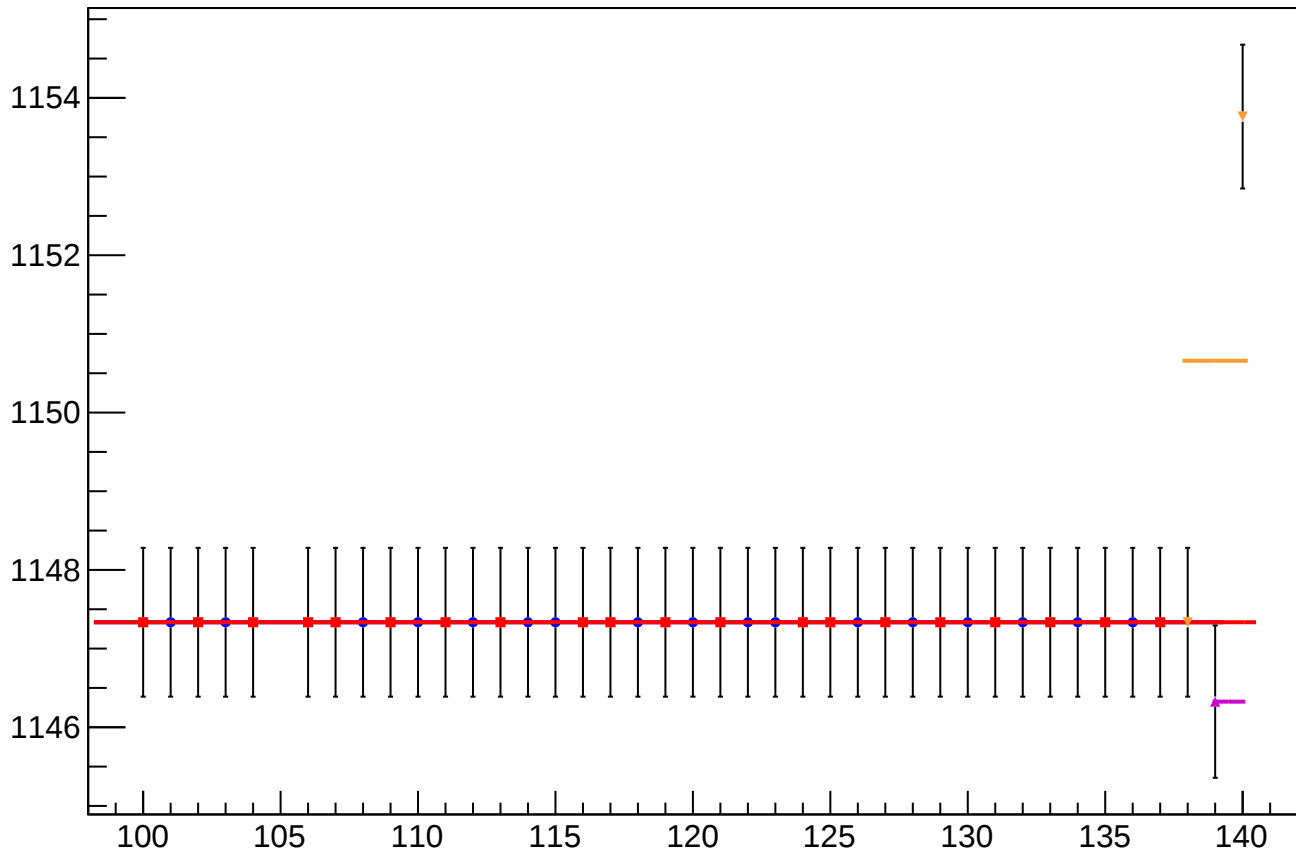
Right Out: 113.423+/-299.140 χ^2/NDF : 0.0/19

Left In: -1512.548+/-1369.181 χ^2/NDF :0.0/0

263.042+/-306.337 χ^2/NDF : 4.0/18

39.345+/-292.246 χ^2/NDF : 1.3/20

cor_asym_usr_rms vs Slug



Right In: 1147.335 $\pm$ 0.229 χ^2 /NDF: 0.0/16

Left Out: 1150.659 $\pm$ 0.657 χ^2 /NDF: 23.9/1

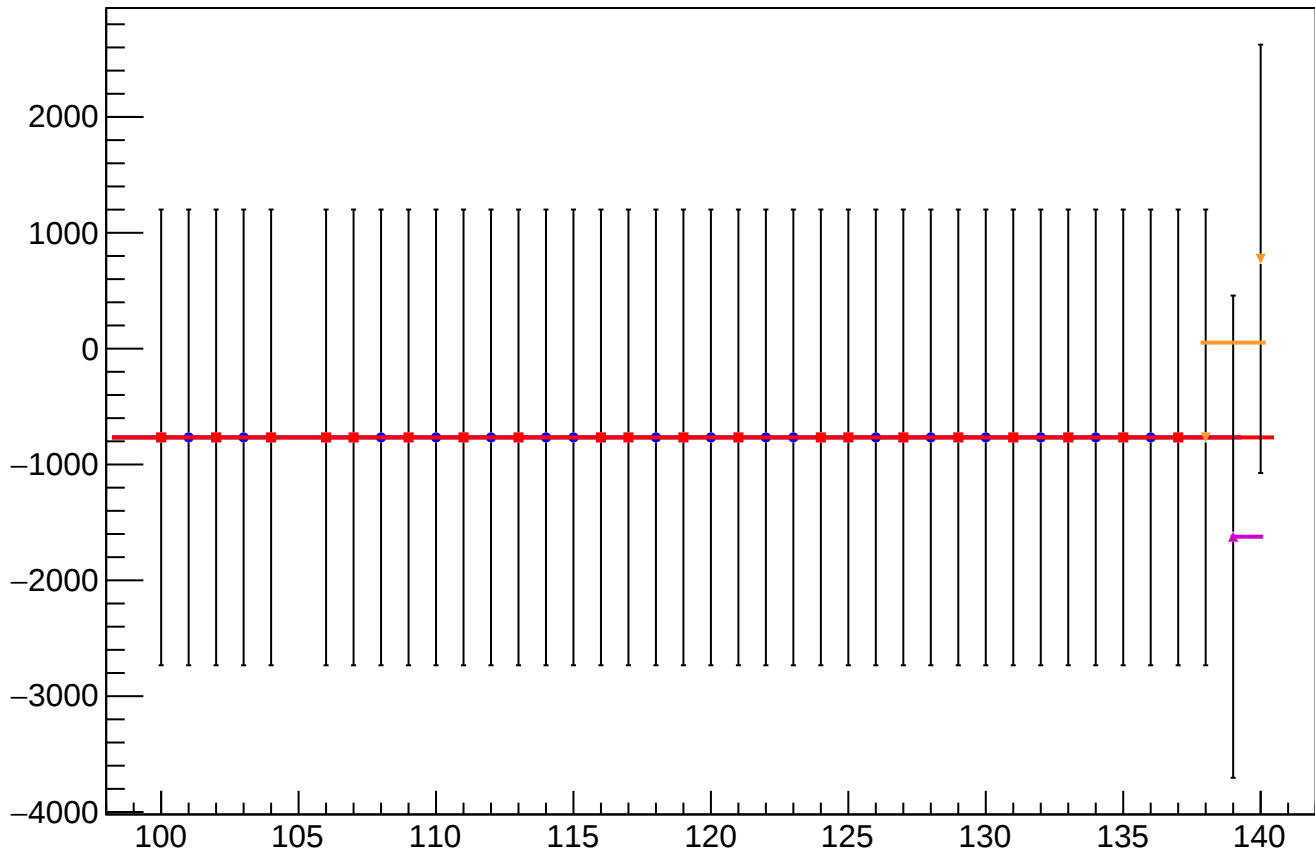
Right Out: 1147.335 $\pm$ 0.212 χ^2 /NDF: 0.0/19

Left In: 1146.326 $\pm$ 0.968 χ^2 /NDF: 0.0/0

1147.696 $\pm$ 0.217 χ^2 /NDF: 46.7/18

1147.289 $\pm$ 0.207 χ^2 /NDF: 1.0/20

asym_us_agg_avg_mean vs Slug



Right In: -766.254+/-477.068 χ^2/NDF : 0.0/16

Left Out: 52.218+/-1347.118 χ^2/NDF : 0.3/1

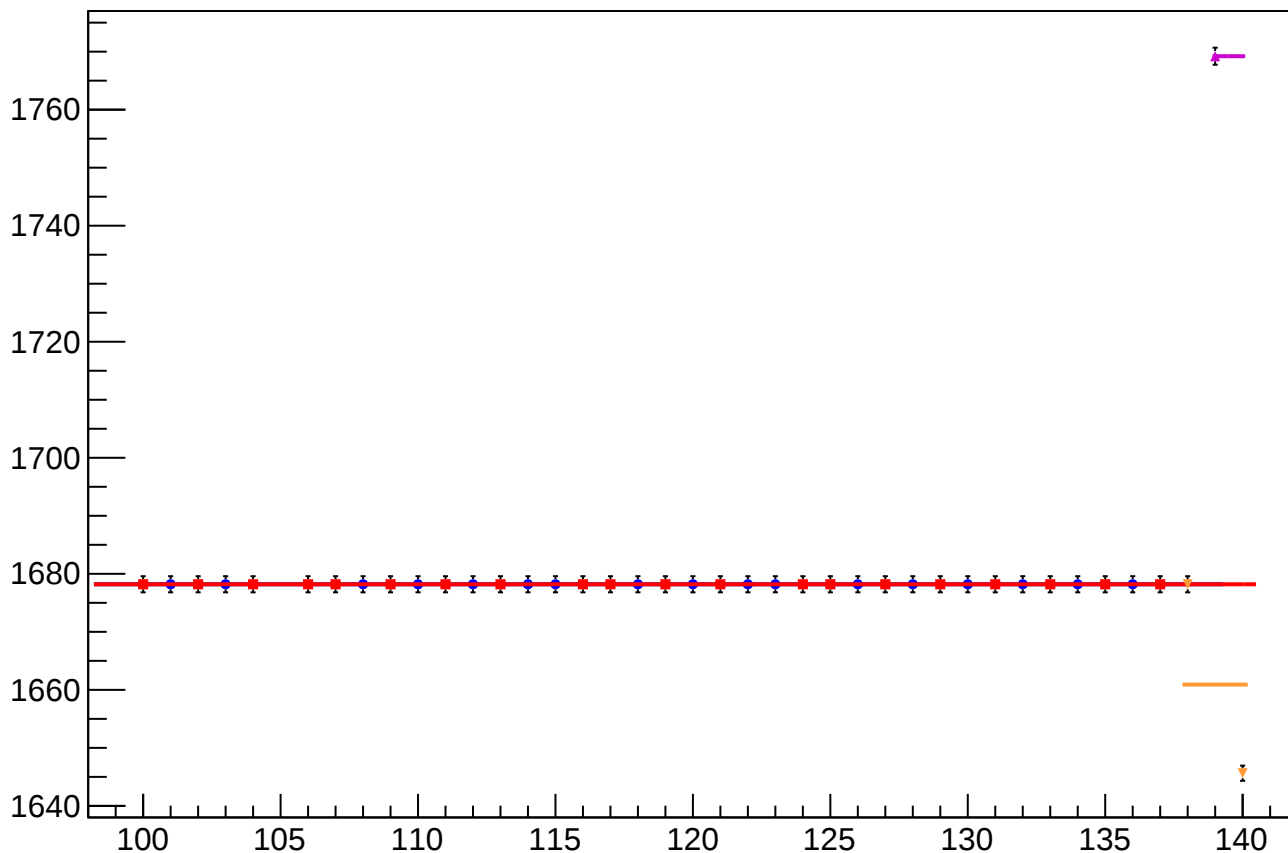
Right Out: -766.254+/-439.835 χ^2/NDF : 0.0/19

Left In: -1623.244+/-2081.283 χ^2/NDF : 0.0/0

-675.045+/-449.701 χ^2/NDF : 0.7/18

-802.891+/-430.330 χ^2/NDF : 0.2/20

asym_us_agg_avg_rms vs Slug



Right In: 1678.197 $\pm$ 0.337 χ^2/NDF : 0.0/16

Left Out: 1660.906 $\pm$ 0.953 χ^2/NDF : 291.1/1

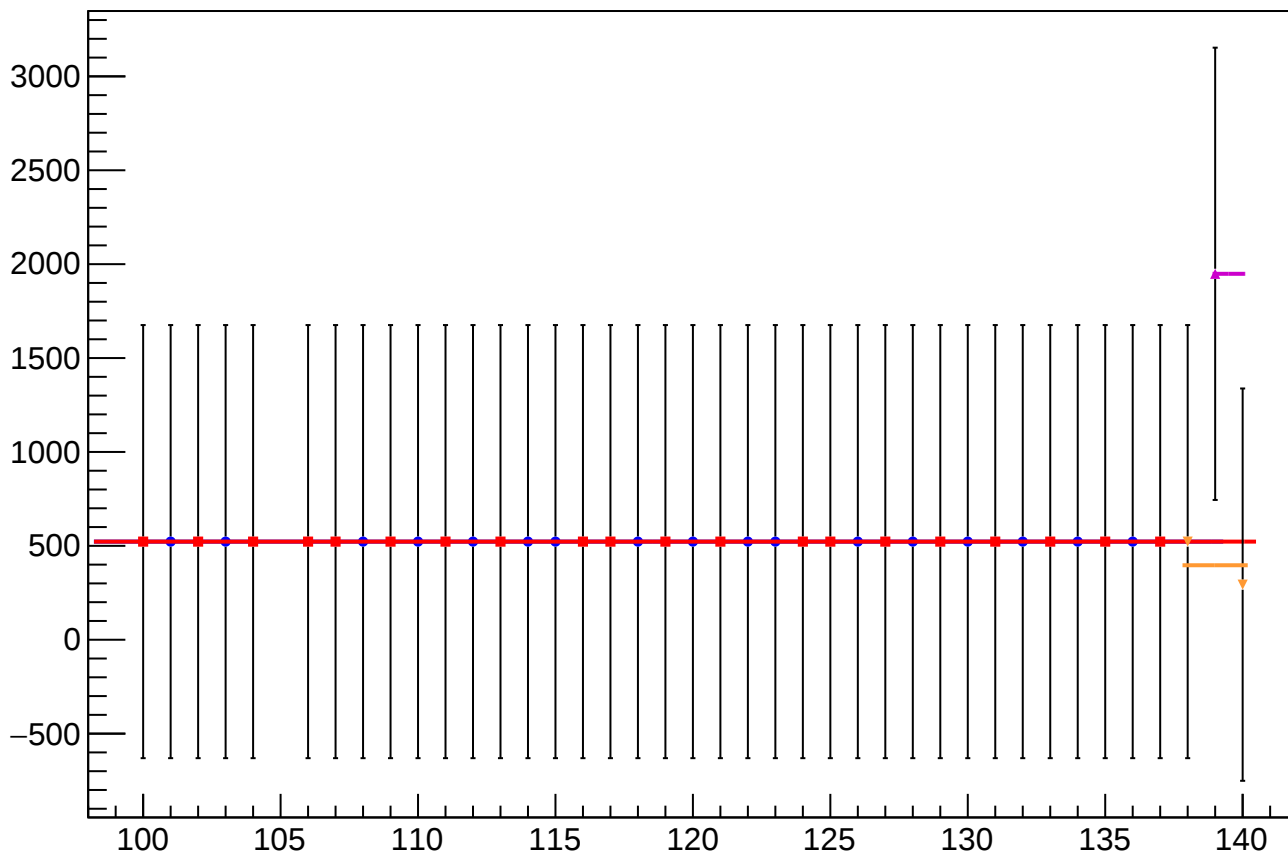
Right Out: 1678.197 $\pm$ 0.311 χ^2/NDF : 0.0/19

Left In: 1769.214 $\pm$ 1.472 χ^2/NDF : 0.0/0

1676.270 $\pm$ 0.318 χ^2/NDF : 583.8/18

1682.088 $\pm$ 0.304 χ^2/NDF : 3661.3/20

asym_us_agg_dd_mean vs Slug



Right In: 522.542 $\pm$ 279.690 χ^2 /NDF: 0.0/16

Left Out: 396.675 $\pm$ 774.176 χ^2 /NDF: 0.0/1

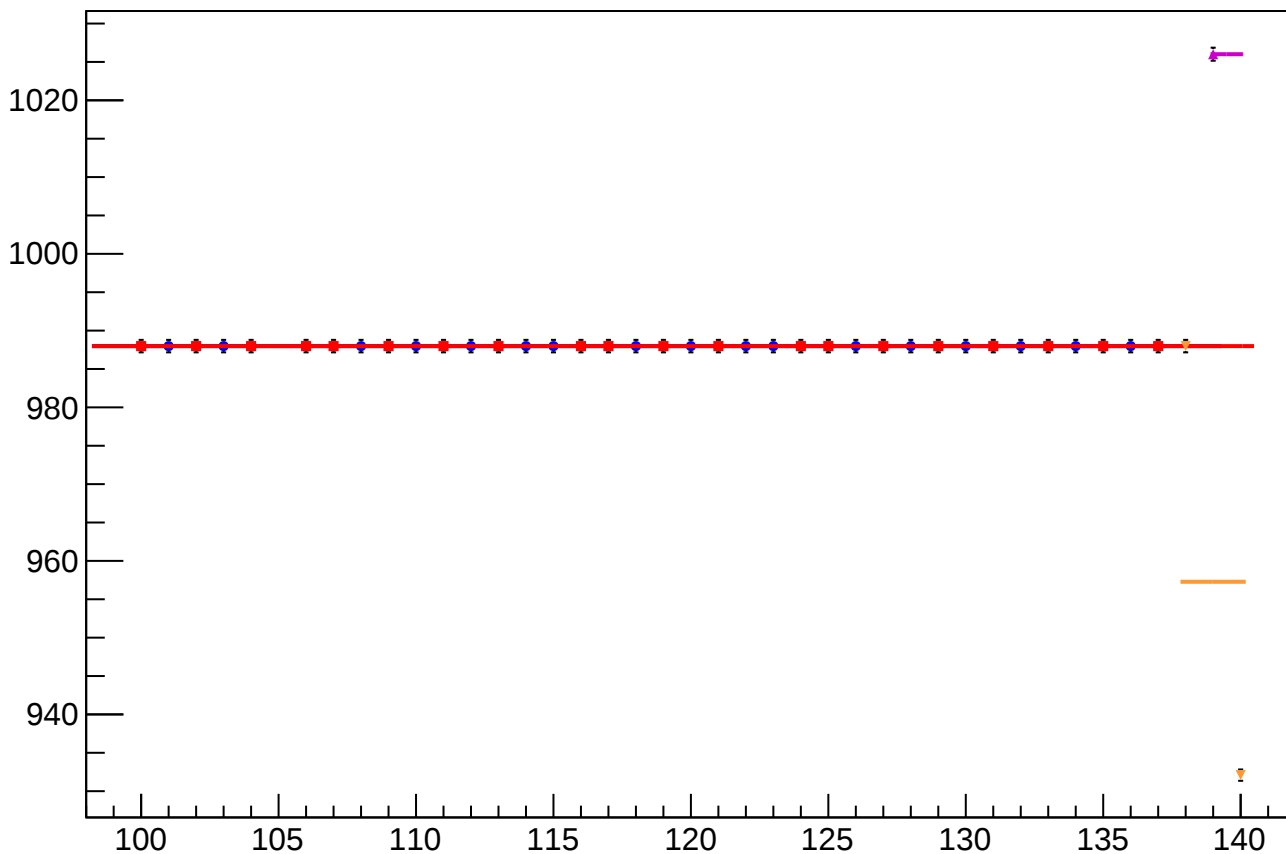
Right Out: 522.542 $\pm$ 257.861 χ^2 /NDF: 0.0/19

Left In: 1948.606 $\pm$ 1204.230 χ^2 /NDF: 0.0/0

508.011 $\pm$ 263.049 χ^2 /NDF: 0.0/18

585.063 $\pm$ 252.145 χ^2 /NDF: 1.3/20

asym_us_agg_dd_rms vs Slug



Right In: 987.980+/-0.198 χ^2/NDF : 0.0/16

Left Out: 957.279+/-0.547 χ^2/NDF : 2580.5/1

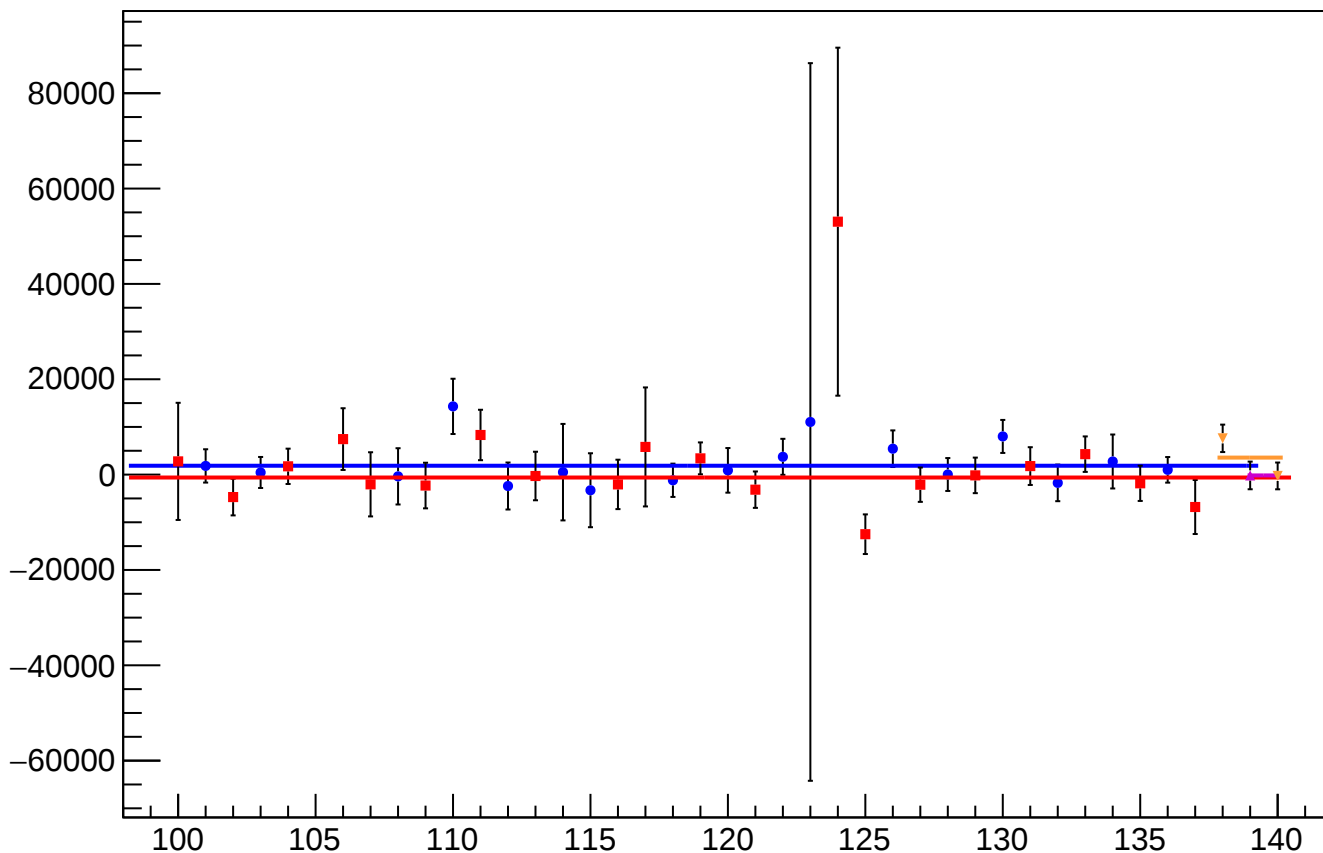
Right Out: 987.980+/-0.182 χ^2/NDF : 0.0/19

Left In: 1026.006+/-0.852 χ^2/NDF : 0.0/0

984.435+/-0.186 χ^2/NDF : 5362.5/18

989.647+/-0.178 χ^2/NDF : 1906.9/20

reg_asym_atl1_mean vs Slug



Right In: 1859.767+/-1013.438 χ^2/NDF : 12.5/16

Left Out: 3568.082+/-2009.685 χ^2/NDF : 3.8/1

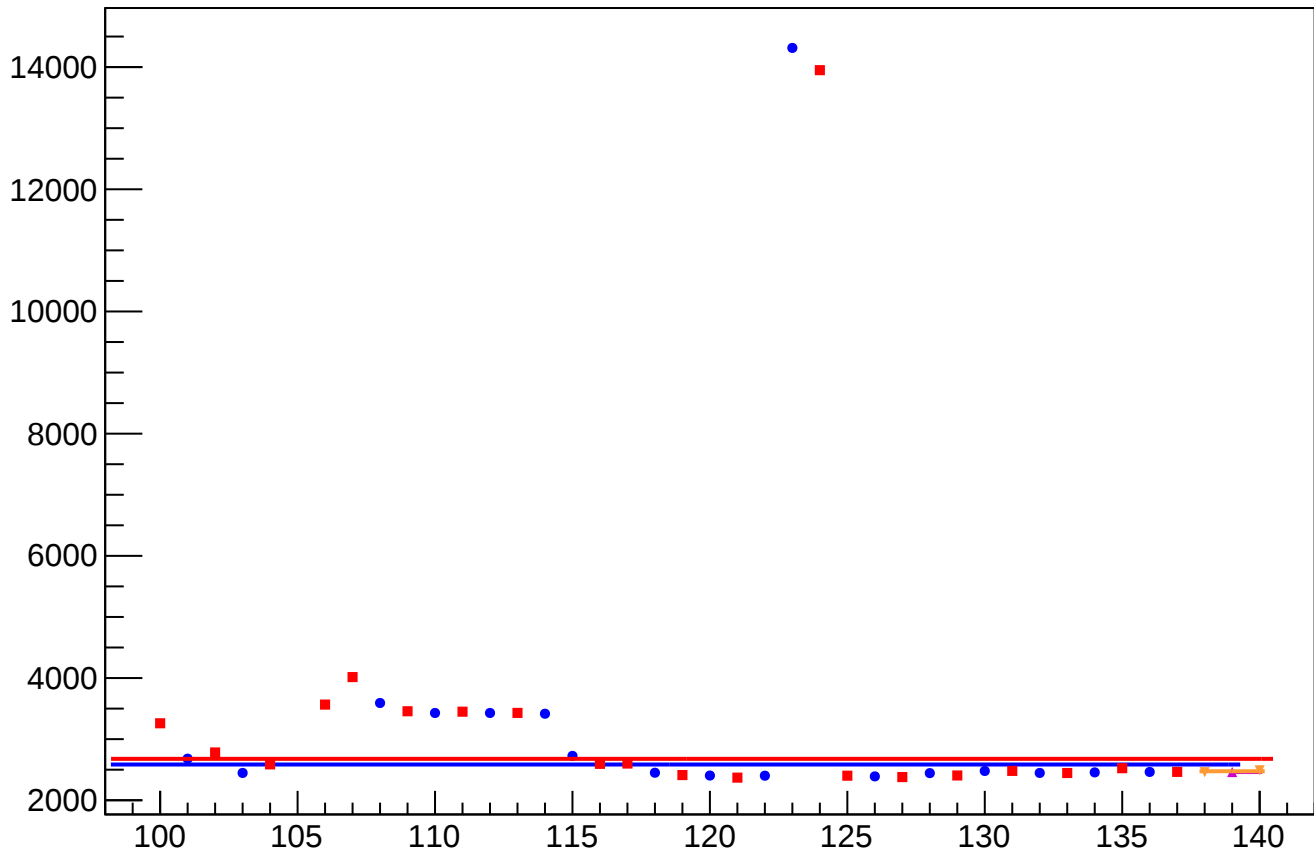
Right Out: -611.041+/-1020.345 χ^2/NDF : 22.3/19

Left In: -173.803+/-2899.724 χ^2/NDF : 0.0/0

2206.110+/-904.893 χ^2/NDF : 16.9/18

-562.868+/-962.497 χ^2/NDF : 22.4/20

reg_asym_atl1_rms vs Slug



Right In: 2584.819+/-0.717 χ^2/NDF : 255710.5/16

Left Out: 2474.576+/-1.421 χ^2/NDF : 115.1/1

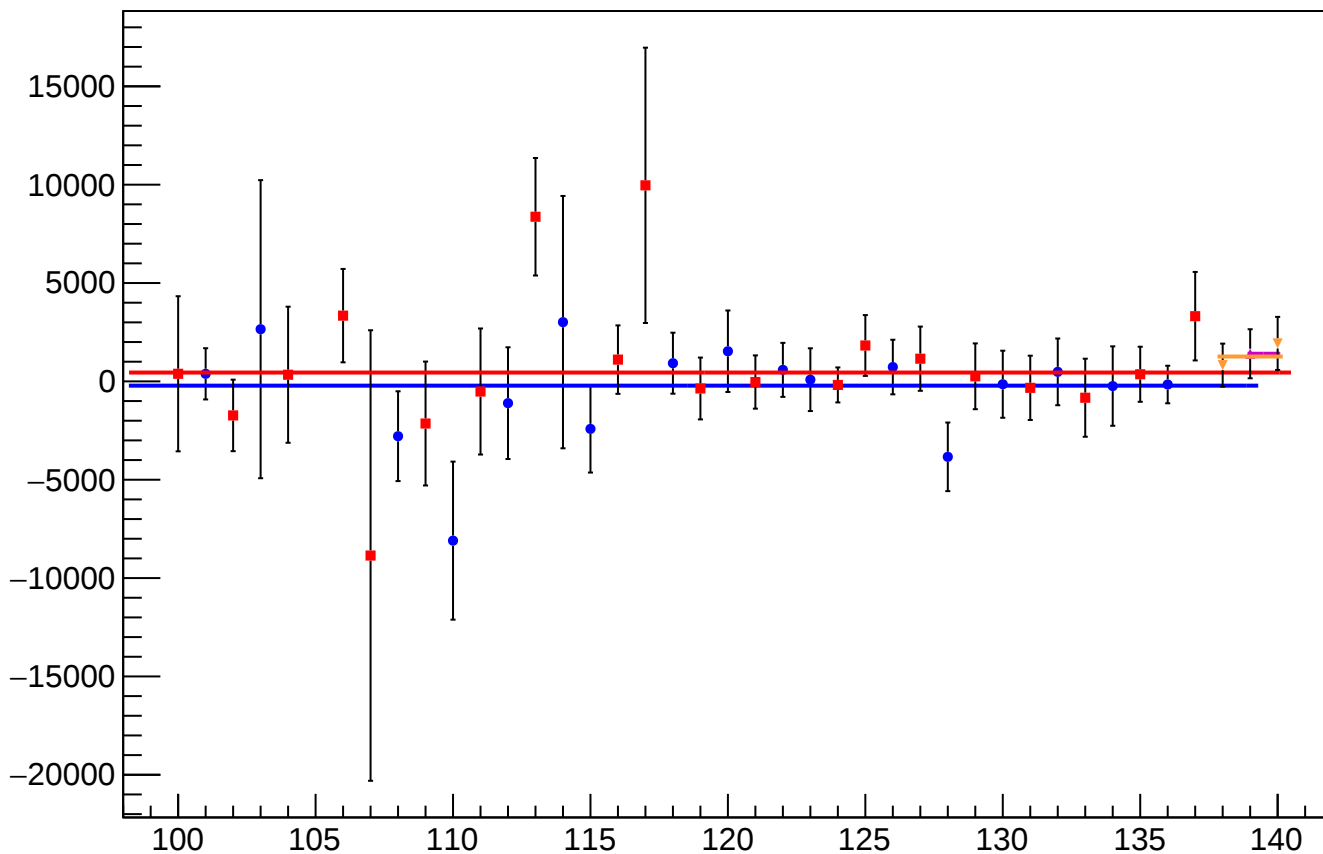
Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

Left In: 2461.603+/-2.050 χ^2/NDF : 0.0/0

2562.468+/-0.640 χ^2/NDF : 260623.7/18

2653.901+/-0.681 χ^2/NDF : 542058.1/20

asym_atl1_correction_mean vs Slug



Right In: -217.017+/-420.077 χ^2/NDF : 13.4/16

Left Out: 1263.489+/-849.097 χ^2/NDF : 0.4/1

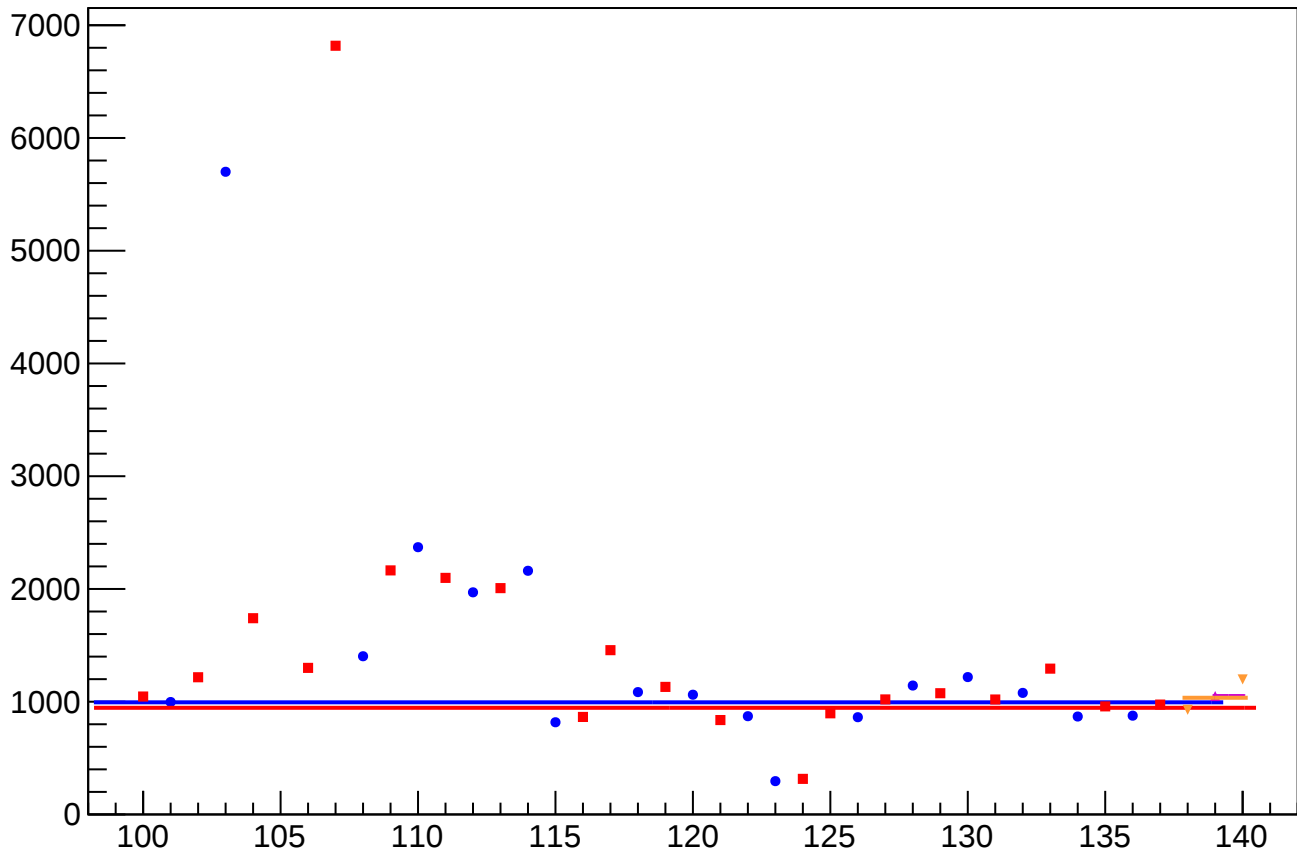
Right Out: 449.702+/-408.279 χ^2/NDF : 17.5/19

Left In: 1404.221+/-1246.418 χ^2/NDF : 0.0/0

74.100+/-376.518 χ^2/NDF : 16.2/18

542.195+/-387.994 χ^2/NDF : 18.1/20

asym_atl1_correction_rms vs Slug



Right In: 994.541+/-0.297 χ^2/NDF : 1904549.2/16

Left Out: 1034.975+/-0.600 χ^2/NDF : 48164.5/1

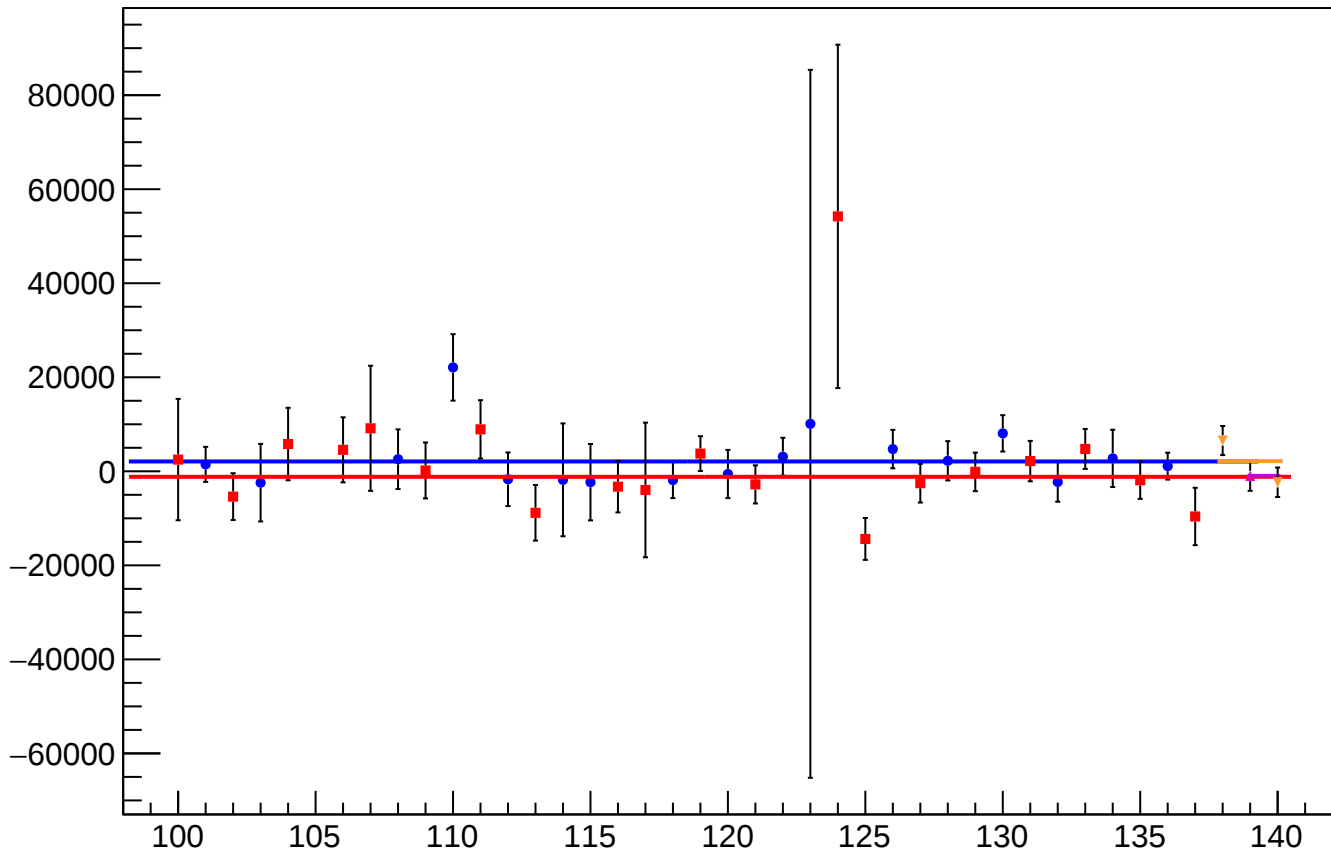
Right Out: 946.032+/-0.289 χ^2/NDF : 2676710.2/19

Left In: 1050.213+/-0.881 χ^2/NDF : 0.0/0

1002.492+/-0.266 χ^2/NDF : 1956357.3/18

956.127+/-0.274 χ^2/NDF : 2689329.1/20

asym_atl1_mean vs Slug



Right In: 2094.050+/-1160.426 χ^2/NDF : 14.6/16

Left Out: 2163.093+/-2201.416 χ^2/NDF : 4.1/1

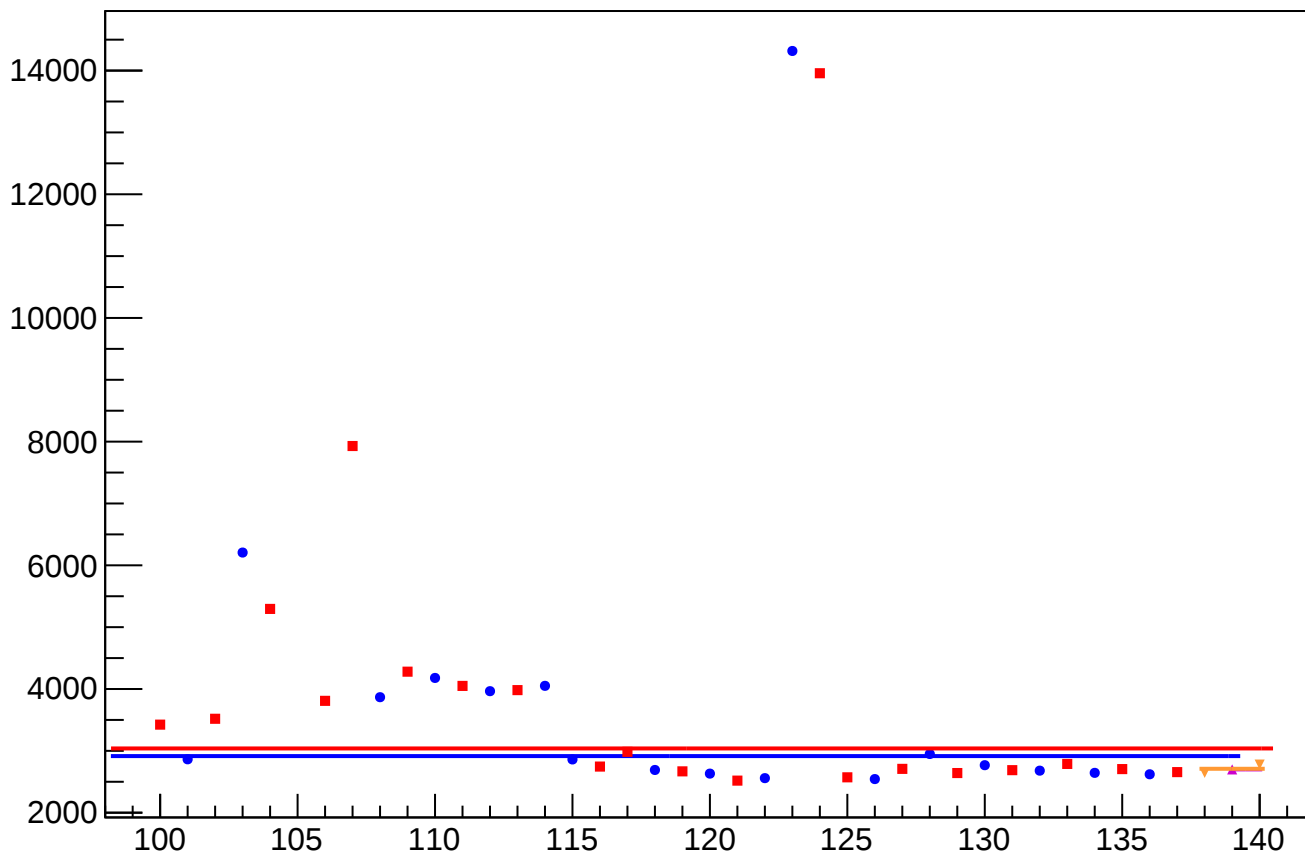
Right Out: -1167.038+/-1182.950 χ^2/NDF : 25.2/19

Left In: -973.896+/-3182.044 χ^2/NDF : 0.0/0

2109.063+/-1026.538 χ^2/NDF : 18.7/18

-1143.587+/-1108.808 χ^2/NDF : 25.2/20

asym_atl1_rms vs Slug



Right In: 2915.201+/-0.821 χ^2/NDF : 639136.4/16

Left Out: 2709.947+/-1.557 χ^2/NDF : 1857.5/1

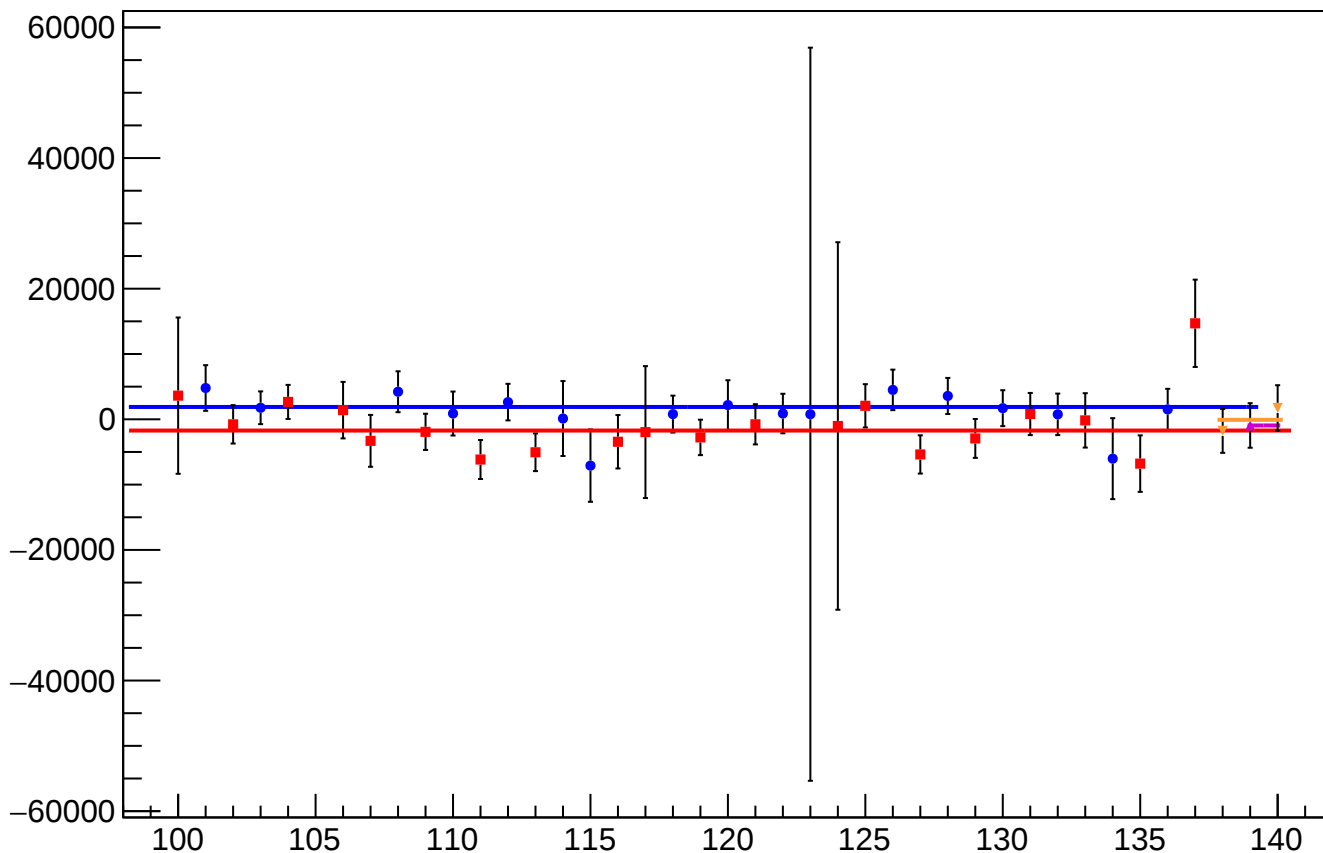
Right Out: 3038.763+/-0.836 χ^2/NDF : 1011412.5/19

Left In: 2699.809+/-2.250 χ^2/NDF : 0.0/0

2870.570+/-0.726 χ^2/NDF : 654599.6/18

2997.606+/-0.784 χ^2/NDF : 1031350.3/20

reg_asym_atl2_mean vs Slug



Right In: 1889.943+/-811.431 χ^2/NDF : 7.3/16

Left Out: -79.820+/-2415.639 χ^2/NDF : 0.5/1

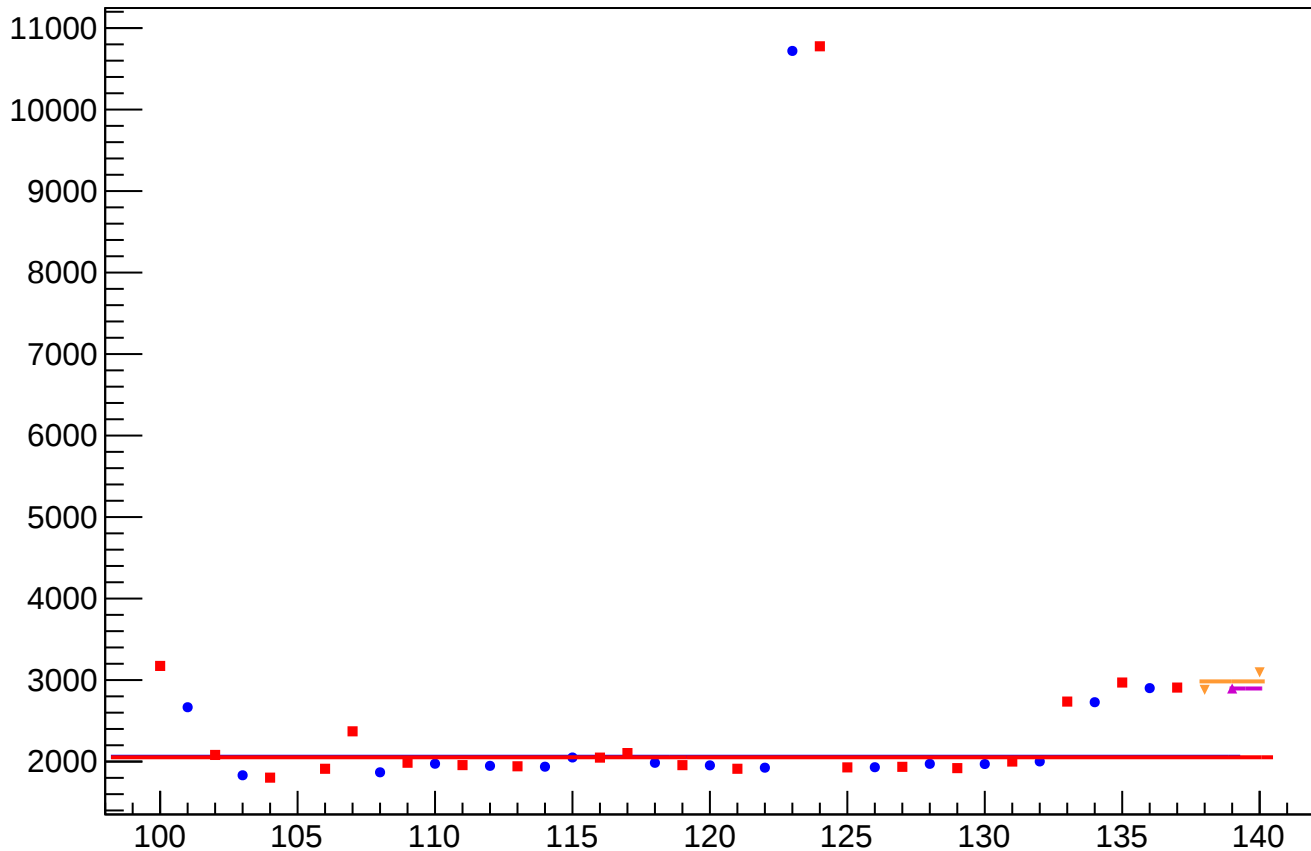
Right Out: -1720.591+/-787.704 χ^2/NDF : 19.0/19

Left In: -942.006+/-3412.024 χ^2/NDF : 0.0/0

1690.223+/-769.195 χ^2/NDF : 8.4/18

-1681.195+/-767.516 χ^2/NDF : 19.0/20

reg_asym_atl2_rms vs Slug



Right In: 2058.963+/-0.574 χ^2/NDF : 318561.5/16

Left Out: 2983.554+/-1.708 χ^2/NDF : 3951.3/1

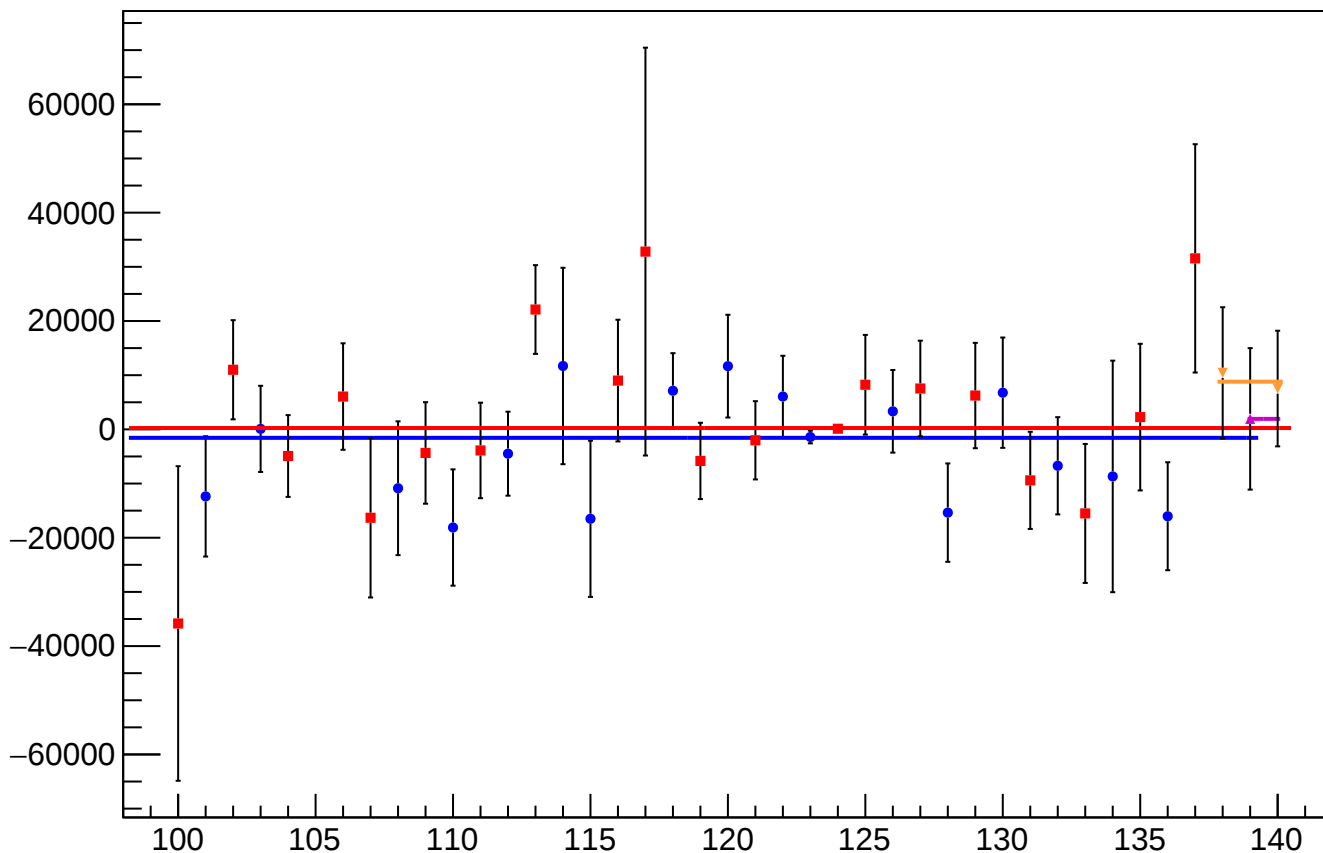
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

Left In: 2896.592+/-2.413 χ^2/NDF : 0.0/0

2152.710+/-0.544 χ^2/NDF : 585802.7/18

2095.283+/-0.543 χ^2/NDF : 559561.1/20

asym_atl2_correction_mean vs Slug



Right In: -1563.218+/-1053.946 χ^2 /NDF: 16.2/16

Left Out: 8802.816+/-8005.467 χ^2 /NDF: 0.0/1

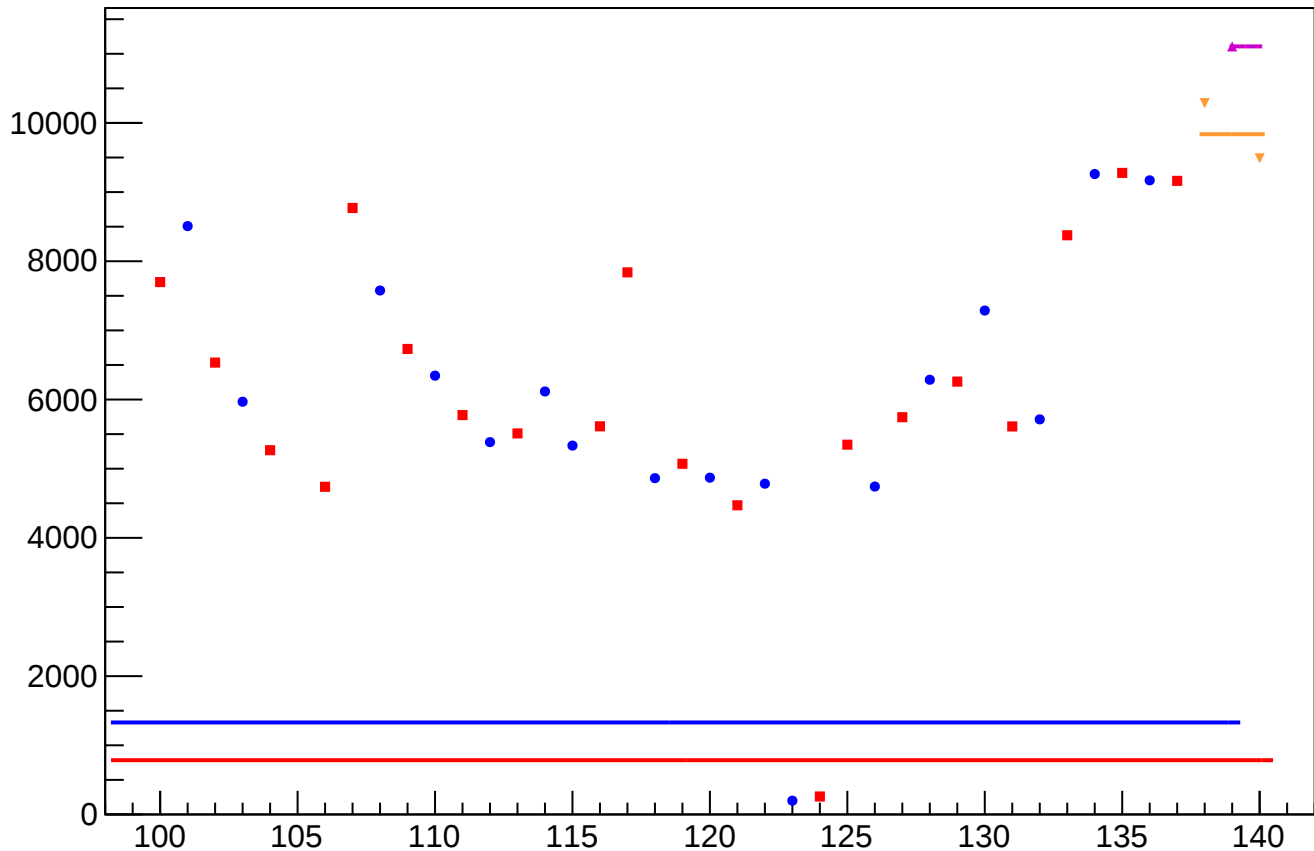
Right Out: 247.306+/-695.049 χ^2 /NDF: 21.6/19

Left In: 1936.851+/-13056.859 χ^2 /NDF: 0.0/0

-1386.609+/-1044.929 χ^2 /NDF: 17.9/18

252.080+/-694.066 χ^2 /NDF: 21.6/20

asym_atl2_correction_rms vs Slug



Right In: 1330.250+/-0.745 χ^2/NDF : 10046828.9/16

Left Out: 9837.122+/-5.661 χ^2/NDF : 4890.1/1

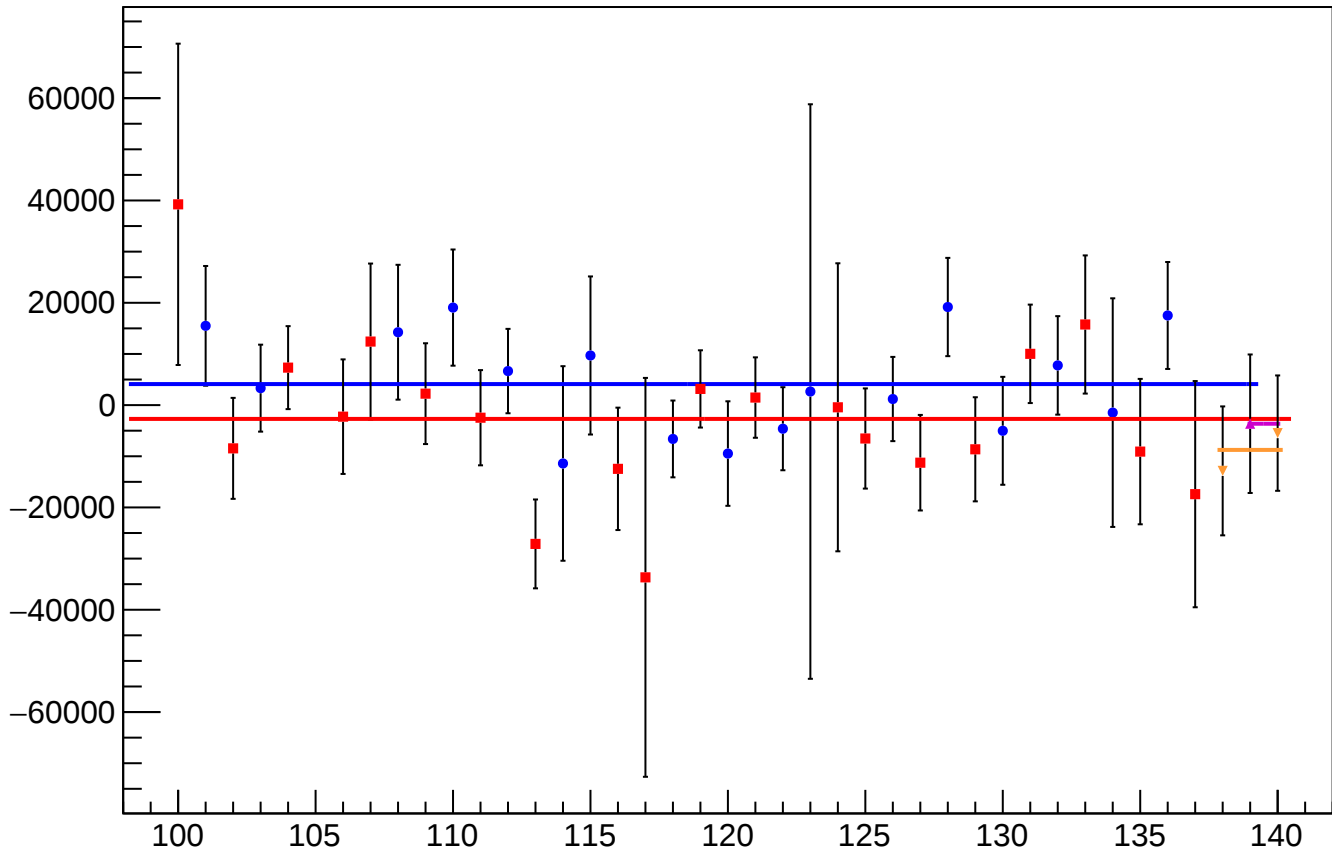
1475.184+/-0.739 χ^2/NDF : 12271619.4/18

Right Out: 784.254+/-0.491 χ^2/NDF : 11510186.9/19

813.423+/-0.491 χ^2/NDF : 12756712.2/20

Left In: 11106.846+/-9.233 χ^2/NDF : 0.0/0

asym_atl2_mean vs Slug



Right In: 4111.784+/-2534.444 χ^2/NDF : 14.3/16

Left Out: -8756.731+/-8402.540 χ^2/NDF : 0.2/1

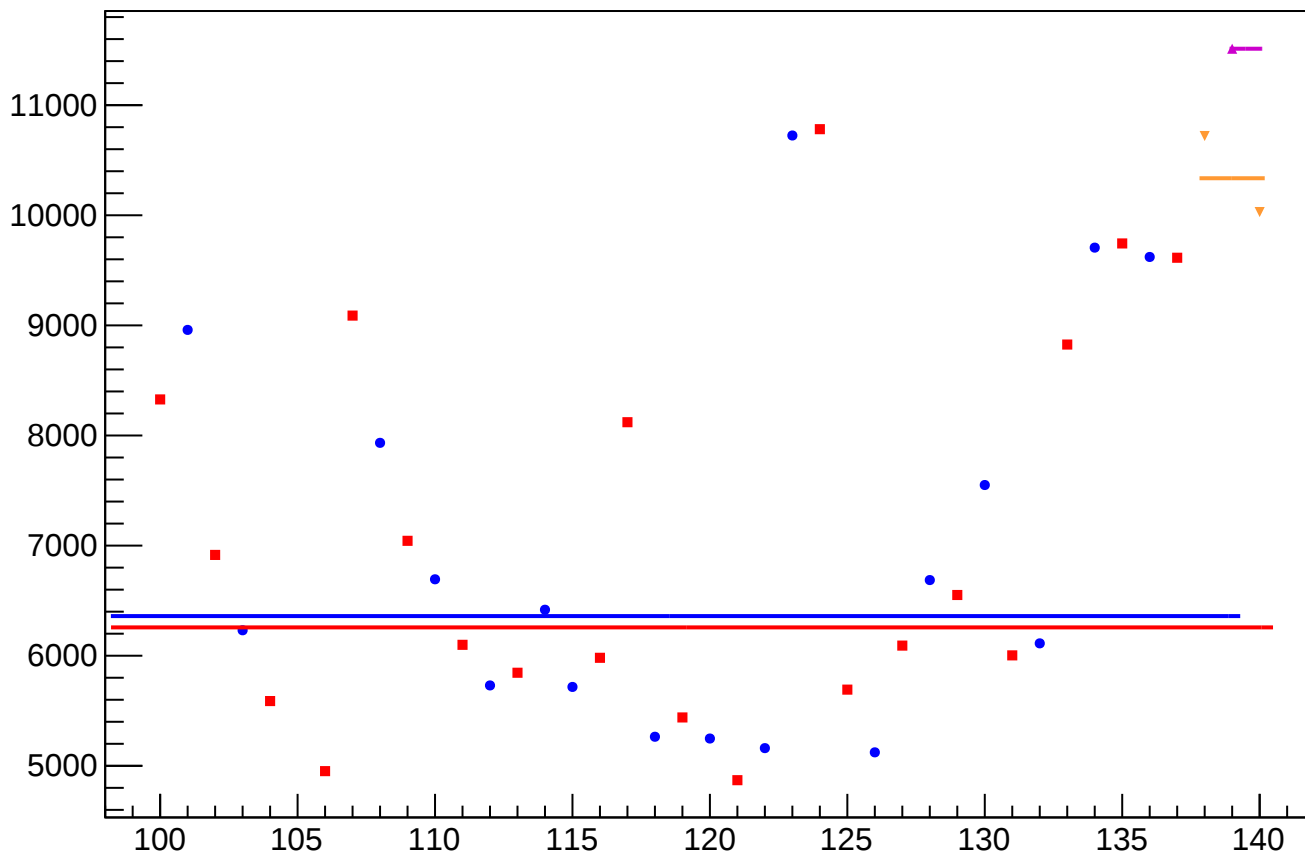
Right Out: -2697.106+/-2415.828 χ^2/NDF : 20.6/19

Left In: -3638.864+/-13536.499 χ^2/NDF : 0.0/0

3038.645+/-2426.467 χ^2/NDF : 16.7/18

-2726.176+/-2378.251 χ^2/NDF : 20.6/20

asym_atl2_rms vs Slug



Right In: 6359.928+/-1.792 χ^2/NDF : 580471.0/16

Left Out: 10336.293+/-5.941 χ^2/NDF : 3335.4/1

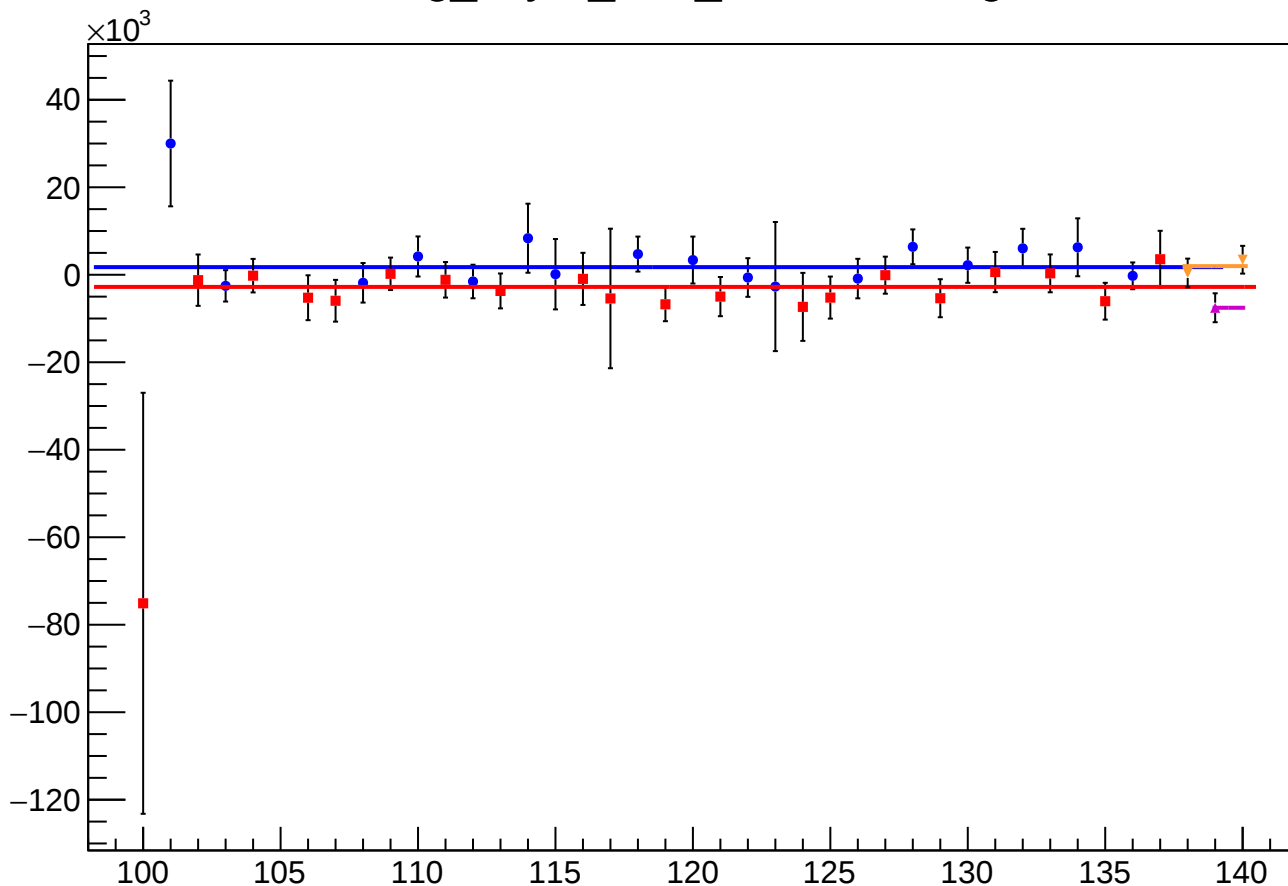
Right Out: 6257.232+/-1.708 χ^2/NDF : 537553.3/19

Left In: 11512.542+/-9.572 χ^2/NDF : 0.0/0

6691.525+/-1.716 χ^2/NDF : 994355.4/18

6419.436+/-1.682 χ^2/NDF : 829698.2/20

reg_asym_atr1_mean vs Slug



Right In: 1746.001+/-1128.522 χ^2/NDF : 12.2/16

Left Out: 1974.011+/-2280.030 χ^2/NDF : 0.4/1

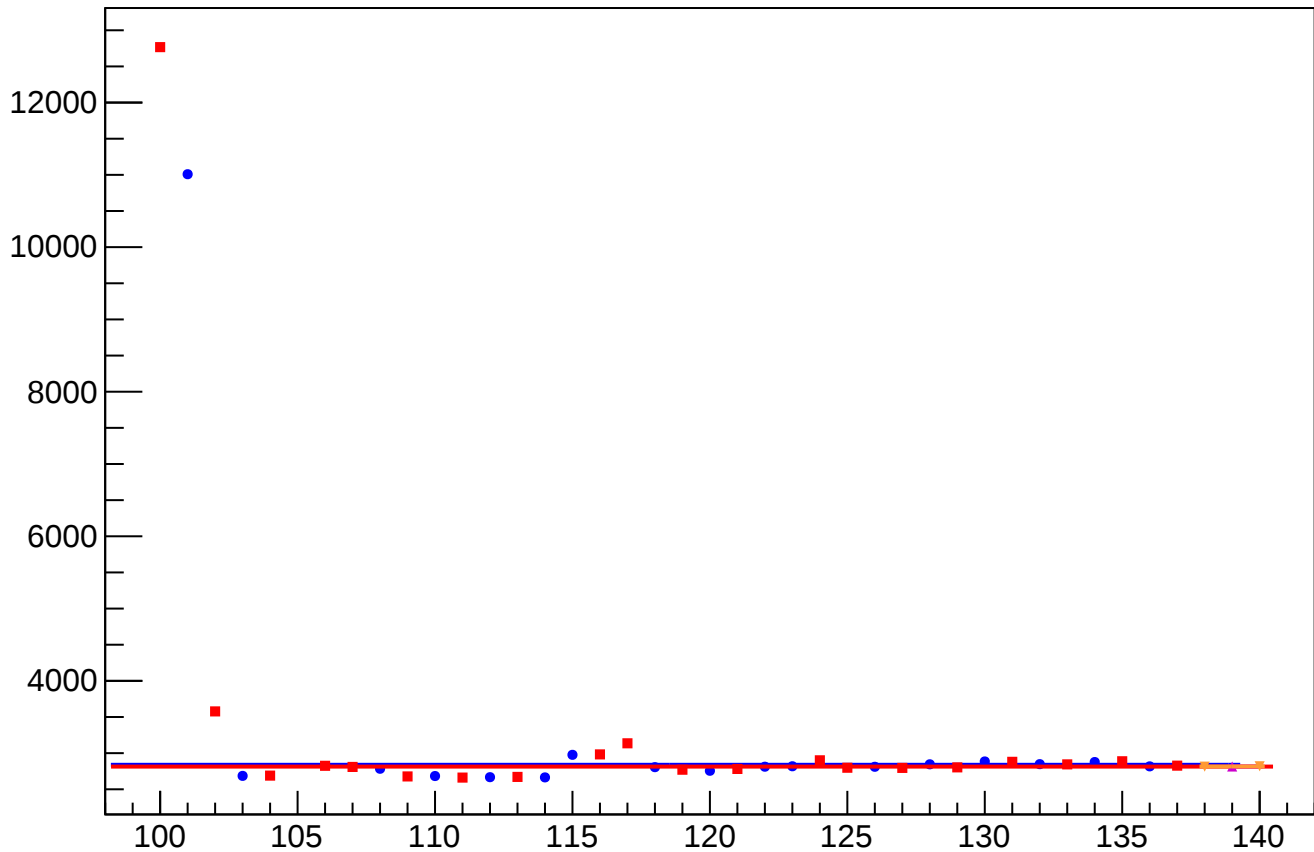
Right Out: -2775.793+/-1069.534 χ^2/NDF : 9.7/19

Left In: -7543.250+/-3304.179 χ^2/NDF : 0.0/0

1790.868+/-1011.412 χ^2/NDF : 12.7/18

-3227.934+/-1017.554 χ^2/NDF : 11.6/20

reg_asym_atr1_rms vs Slug



Right In: 2838.737+/-0.798 χ^2/NDF : 660209.3/16

Left Out: 2815.791+/-1.612 χ^2/NDF : 2.5/1

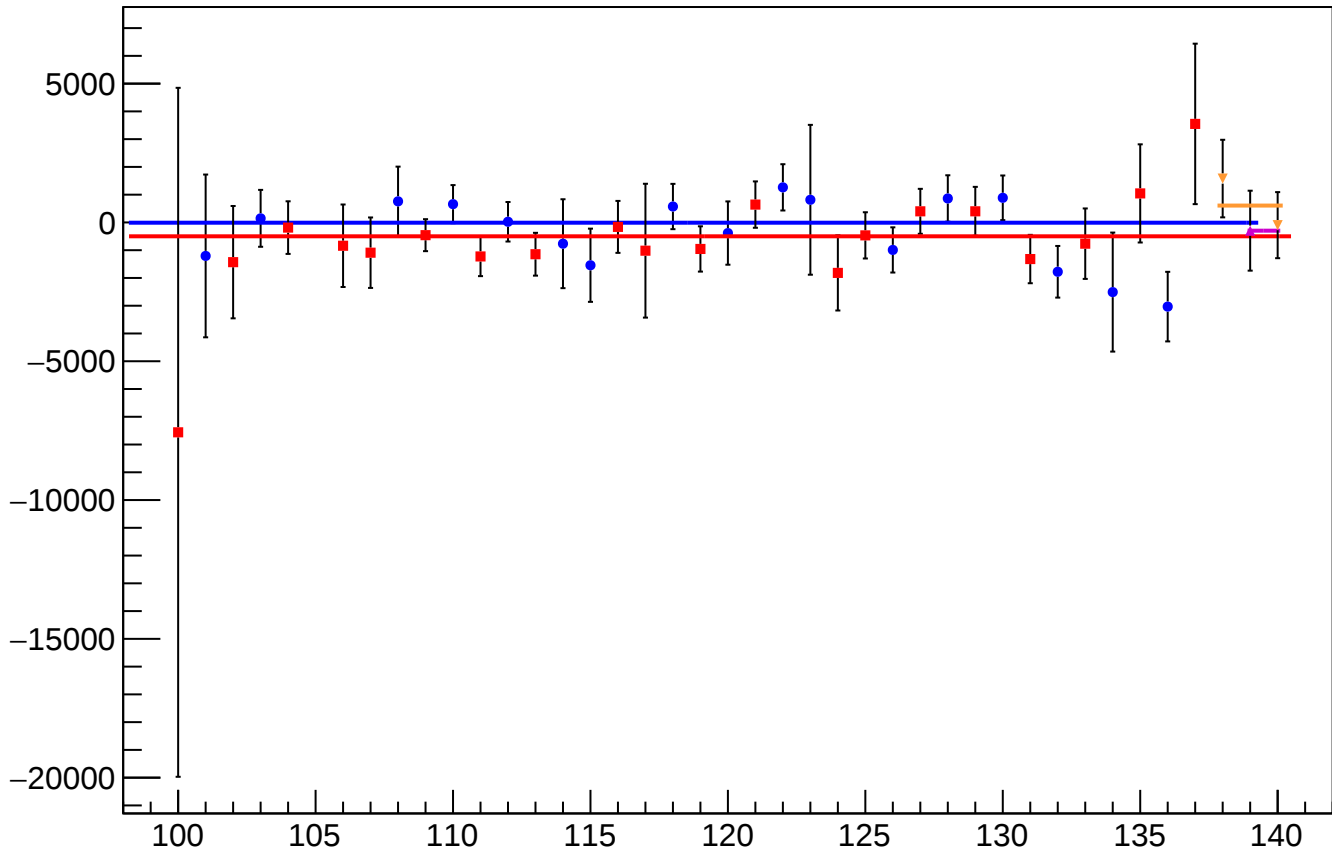
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

Left In: 2815.410+/-2.336 χ^2/NDF : 0.0/0

2834.222+/-0.715 χ^2/NDF : 660374.5/18

2814.208+/-0.720 χ^2/NDF : 133884.0/20

asym_atr1_correction_mean vs Slug



Right In: -9.845+/-241.678 χ^2/NDF : 20.7/16

Left Out: 607.510+/-905.948 χ^2/NDF : 0.8/1

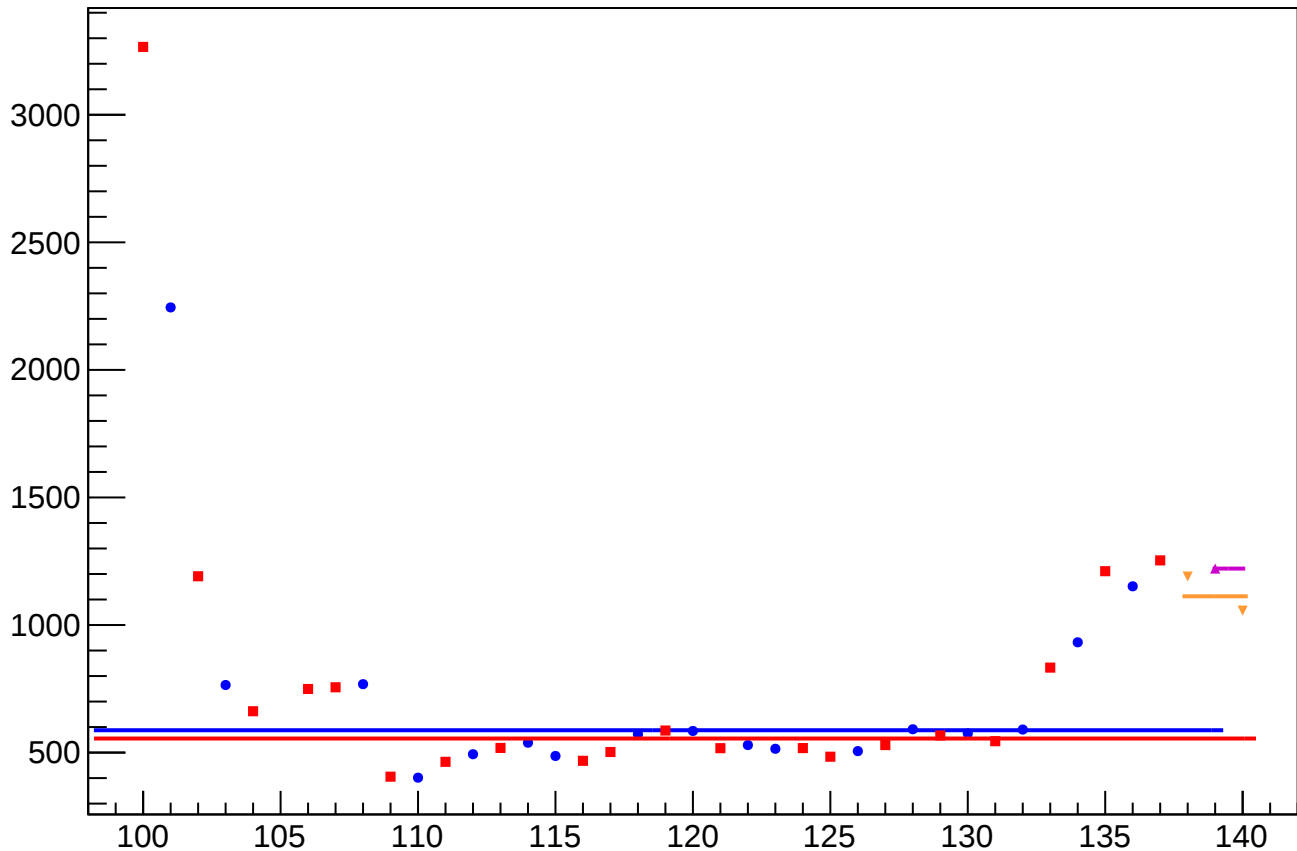
Right Out: -499.625+/-220.558 χ^2/NDF : 11.9/19

Left In: -297.113+/-1439.808 χ^2/NDF : 0.0/0

31.170+/-233.512 χ^2/NDF : 22.0/18

-494.982+/-218.015 χ^2/NDF : 11.9/20

asym_atr1_correction_rms vs Slug



Right In: 587.596 $\pm$ 0.171 χ^2 /NDF: 1425769.6/16

Left Out: 1112.551 $\pm$ 0.641 χ^2 /NDF:10601.2/1

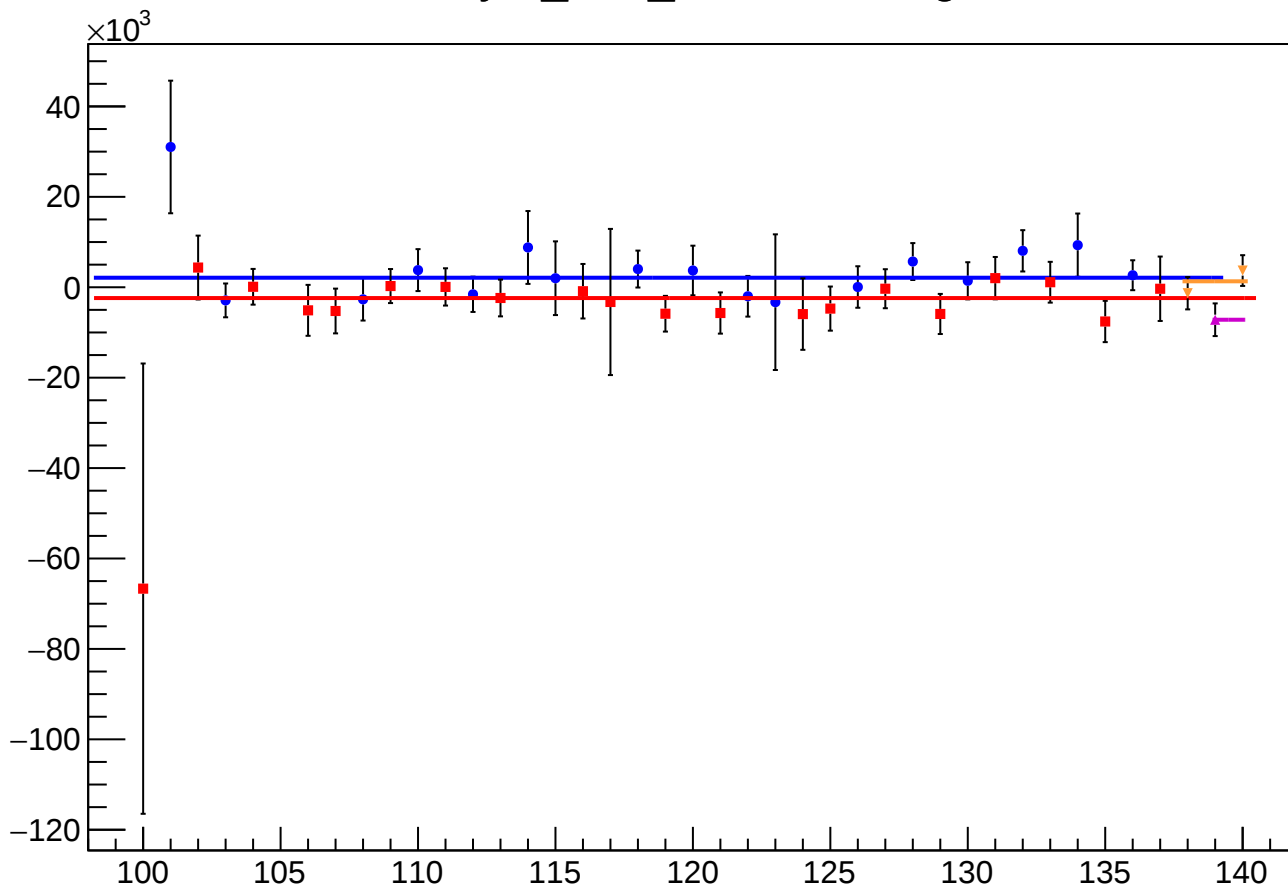
Right Out: 555.088 $\pm$ 0.156 χ^2 /NDF: 1107729.2/19

Left In: 1221.225 $\pm$ 1.018 χ^2 /NDF:0.0/0

622.473 $\pm$ 0.165 χ^2 /NDF: 2063289.9/18

570.361 $\pm$ 0.154 χ^2 /NDF: 1526016.8/20

asym_atr1_mean vs Slug



Right In: 2108.498 $\pm$ 1164.336 χ^2 /NDF: 13.5/16

Left Out: 1316.335 $\pm$ 2465.160 χ^2 /NDF:1.0/1

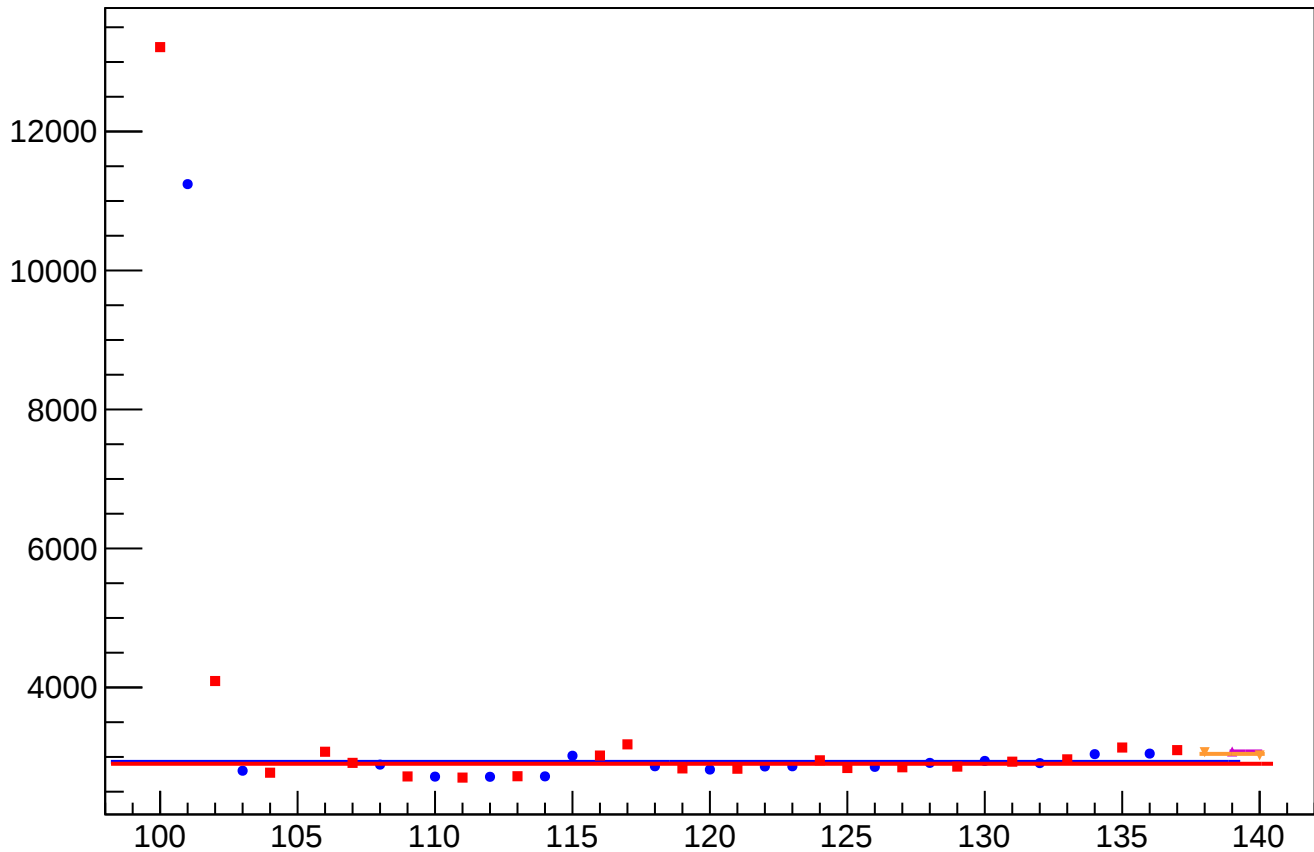
Right Out: -2389.947 $\pm$ 1107.639 χ^2 /NDF: 9.9/19

Left In: -7184.351 $\pm$ 3614.230 χ^2 /NDF:0.0/0

1964.012 $\pm$ 1052.811 χ^2 /NDF: 14.6/18

-2801.583 $\pm$ 1059.022 χ^2 /NDF: 11.5/20

asym_atr1_rms vs Slug



Right In: 2928.700+/-0.823 χ^2/NDF : 662362.9/16

Left Out: 3044.195+/-1.743 χ^2/NDF :173.8/1

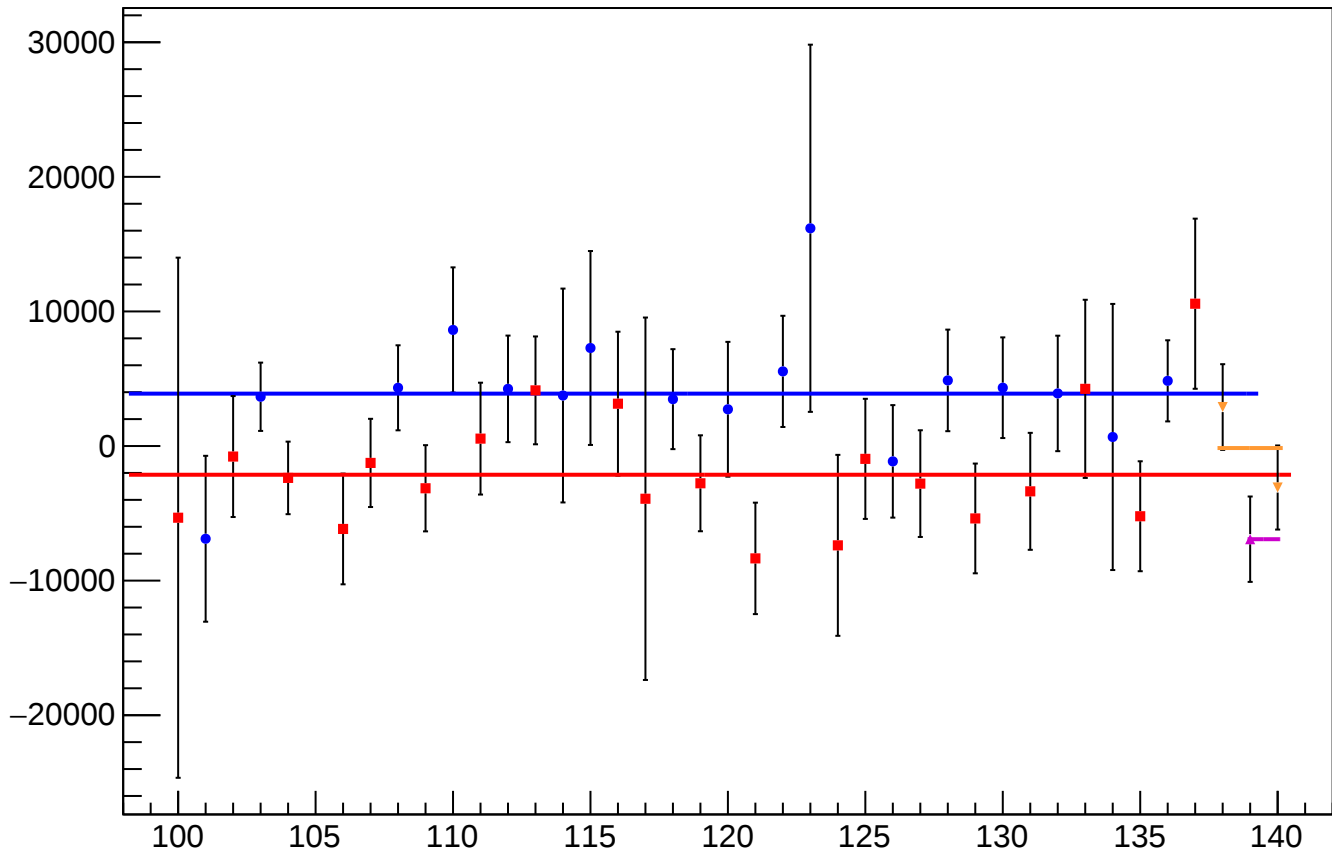
Right Out: 2901.790+/-0.783 χ^2/NDF : 170320.9/19

Left In: 3078.887+/-2.556 χ^2/NDF :0.0/0

2949.766+/-0.744 χ^2/NDF : 666126.0/18

2916.995+/-0.749 χ^2/NDF : 174710.5/20

reg_asym_atr2_mean vs Slug



Right In: 3892.504+/-1011.718 χ^2/NDF : 7.1/16

Left Out: -149.663+/-2229.822 χ^2/NDF : 1.8/1

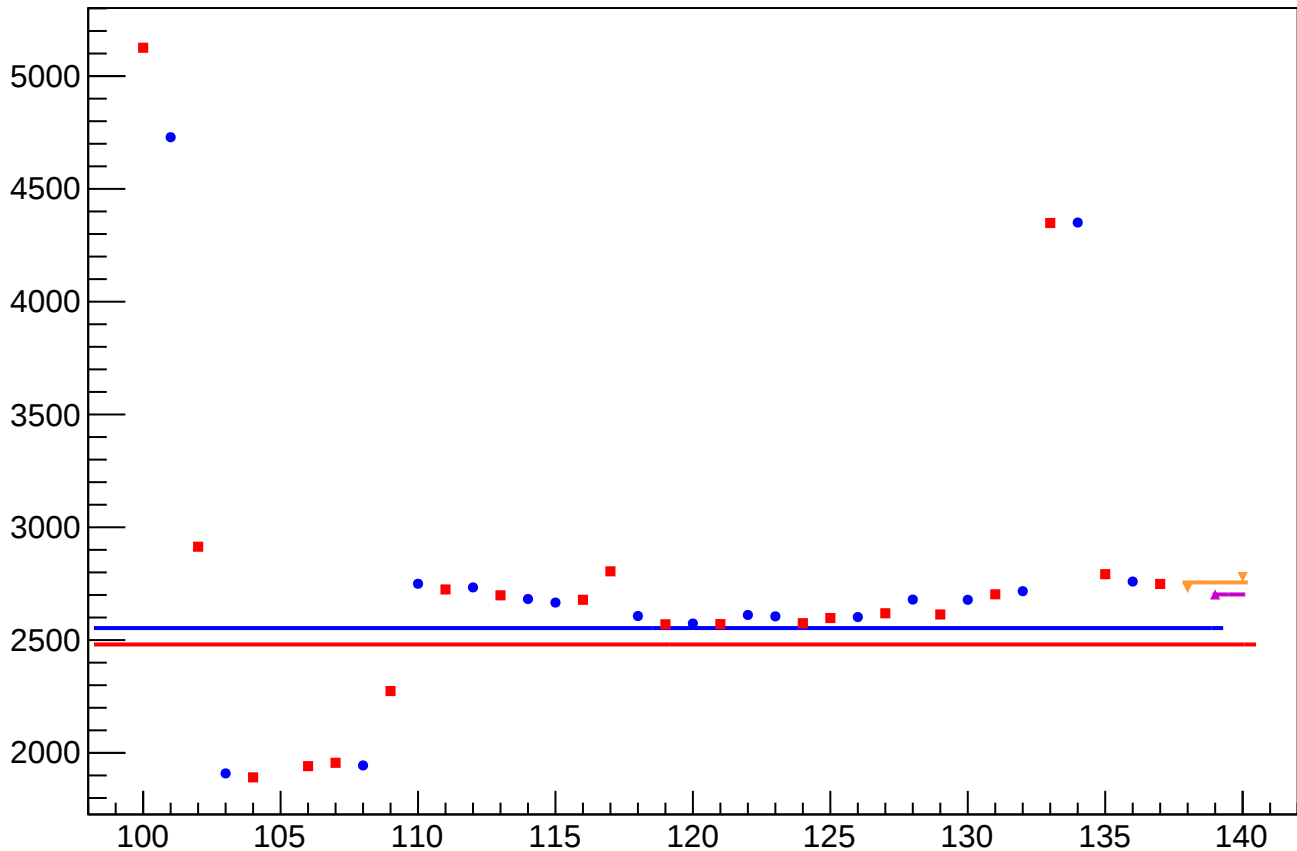
Right Out: -2133.736+/-955.999 χ^2/NDF : 14.4/19

Left In: -6922.625+/-3171.663 χ^2/NDF : 0.0/0

3202.431+/-921.320 χ^2/NDF : 11.7/18

-2532.586+/-915.323 χ^2/NDF : 16.4/20

reg_asym_atr2_rms vs Slug



Right In: 2553.280+/-0.715 χ^2/NDF : 545226.9/16

Left Out: 2755.484+/-1.577 χ^2/NDF : 242.0/1

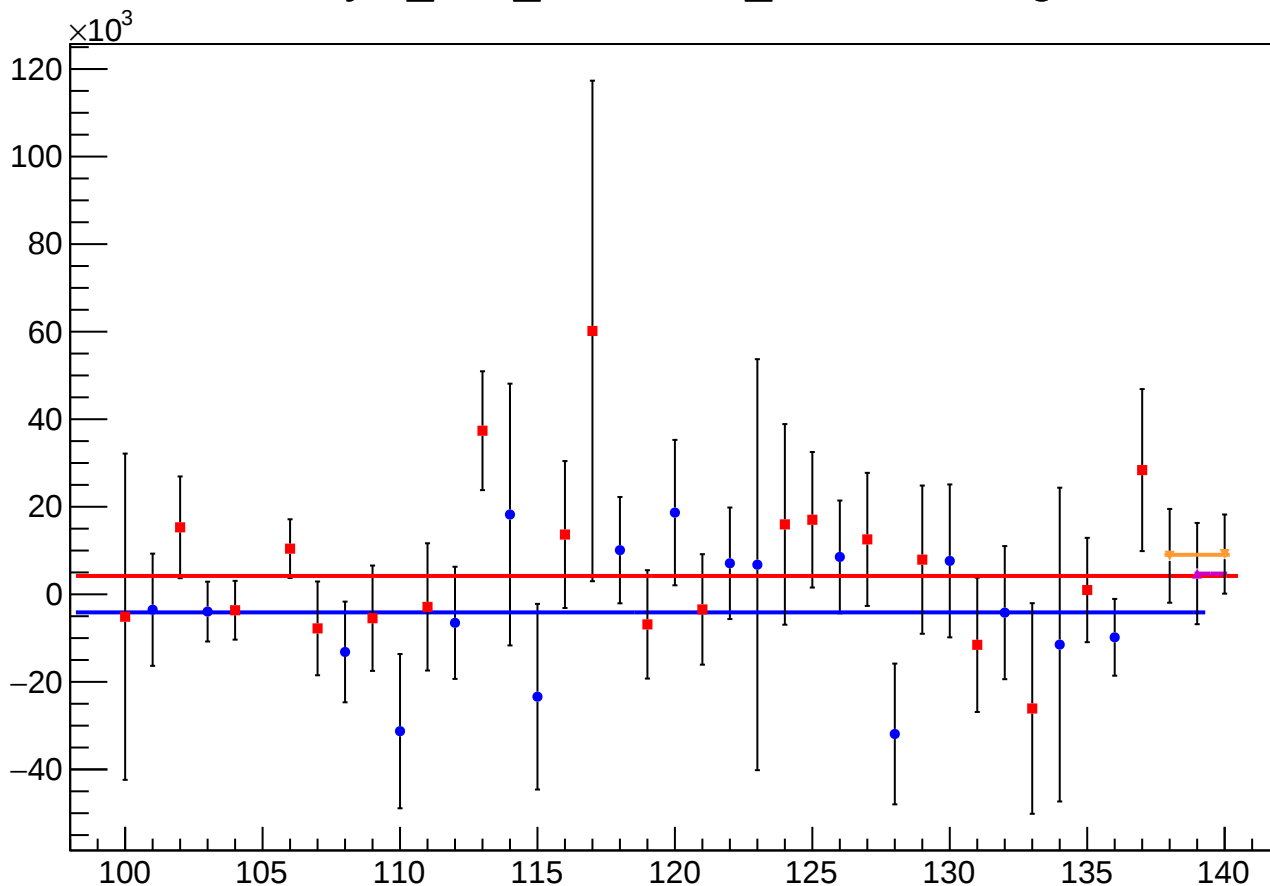
Right Out: 2480.504+/-0.676 χ^2/NDF : 450669.1/19

Left In: 2702.240+/-2.243 χ^2/NDF : 0.0/0

2587.800+/-0.651 χ^2/NDF : 559107.5/18

2498.971+/-0.647 χ^2/NDF : 459630.3/20

asym_atr2_correction_mean vs Slug



Right In: -4126.319 $\pm$ 3227.044 χ^2/NDF : 13.4/16

Left Out: 9029.107 $\pm$ 6906.761 χ^2/NDF : 0.0/1

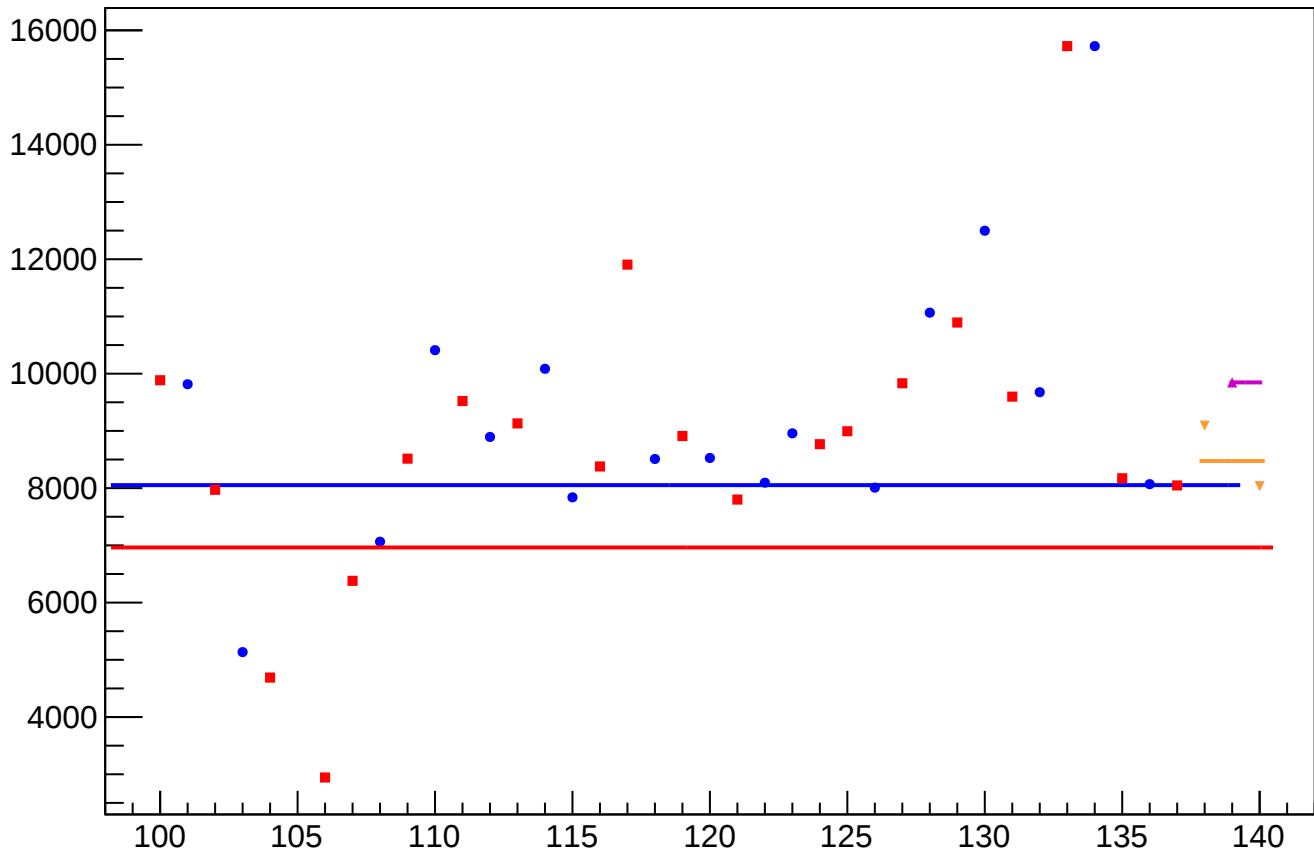
Right Out: 4197.870 $\pm$ 2830.850 χ^2/NDF : 19.5/19

Left In: 4739.595 $\pm$ 11566.141 χ^2/NDF : 0.0/0

-1769.044 $\pm$ -2923.661 χ^2/NDF : 16.3/18

4228.488 $\pm$ -2749.689 χ^2/NDF : 19.5/20

asym_atr2_correction_rms vs Slug



Right In: 8052.552+/-2.282 χ^2/NDF : 790724.2/16

Left Out: 8473.727+/-4.884 χ^2/NDF : 11413.8/1

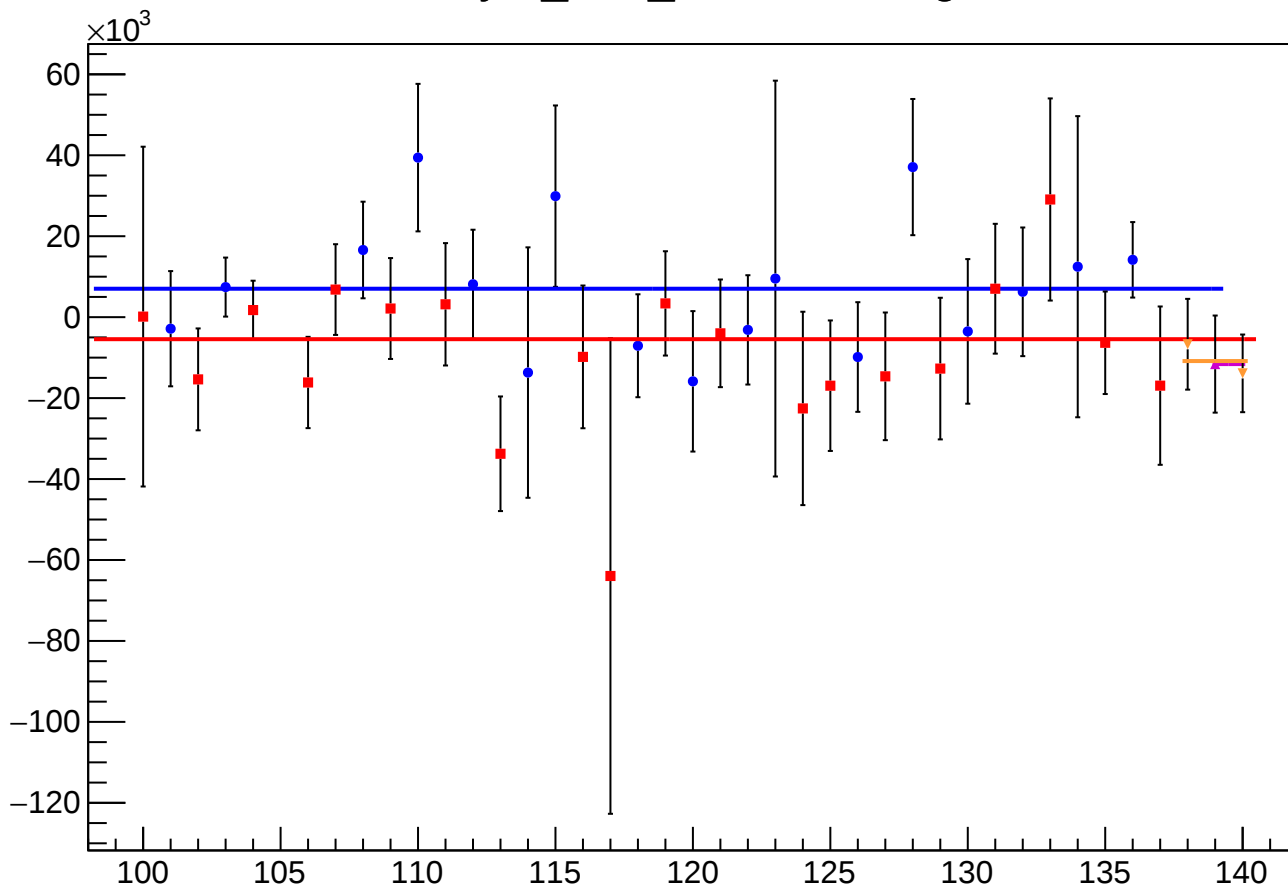
8128.021+/-2.067 χ^2/NDF : 808242.5/18

Right Out: 6963.091+/-2.002 χ^2/NDF : 1791563.9/19

7126.109+/-1.944 χ^2/NDF : 1908912.9/20

Left In: 9847.430+/-8.178 χ^2/NDF : 0.0/0

asym_atr2_mean vs Slug



Right In: 7025.400+/-3409.490 χ^2/NDF : 15.0/16

Left Out: -10846.177+/-7289.992 χ^2/NDF : 0.2/1

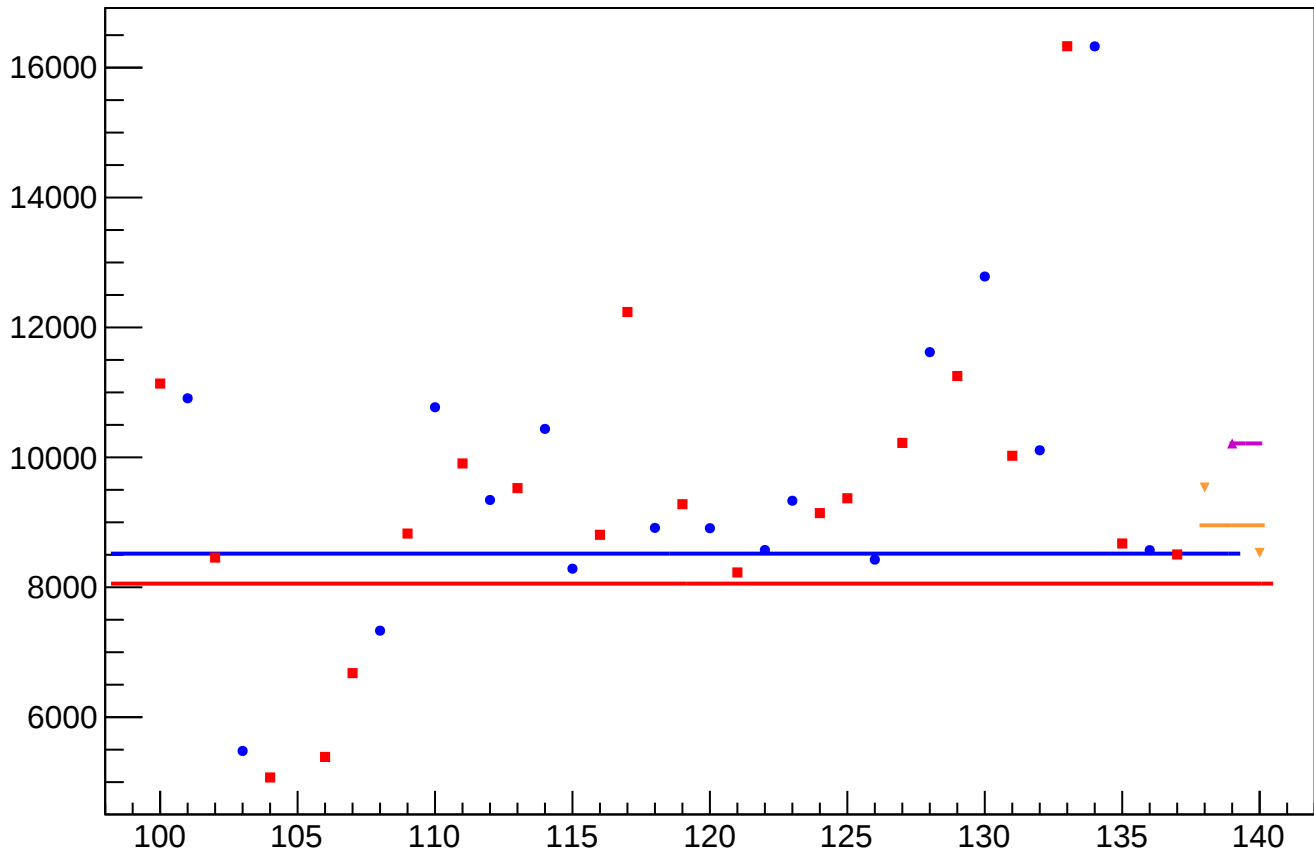
Right Out: -5441.890+/-3163.600 χ^2/NDF : 14.3/19

Left In: -11594.026+/-11995.943 χ^2/NDF : 0.0/0

3817.823+/-3088.404 χ^2/NDF : 20.2/18

-5841.945+/-3059.012 χ^2/NDF : 14.6/20

asym_atr2_rms vs Slug



Right In: 8517.886+/-2.411 χ^2/NDF : 763281.4/16

Left Out: 8954.171+/-5.155 χ^2/NDF : 9303.3/1

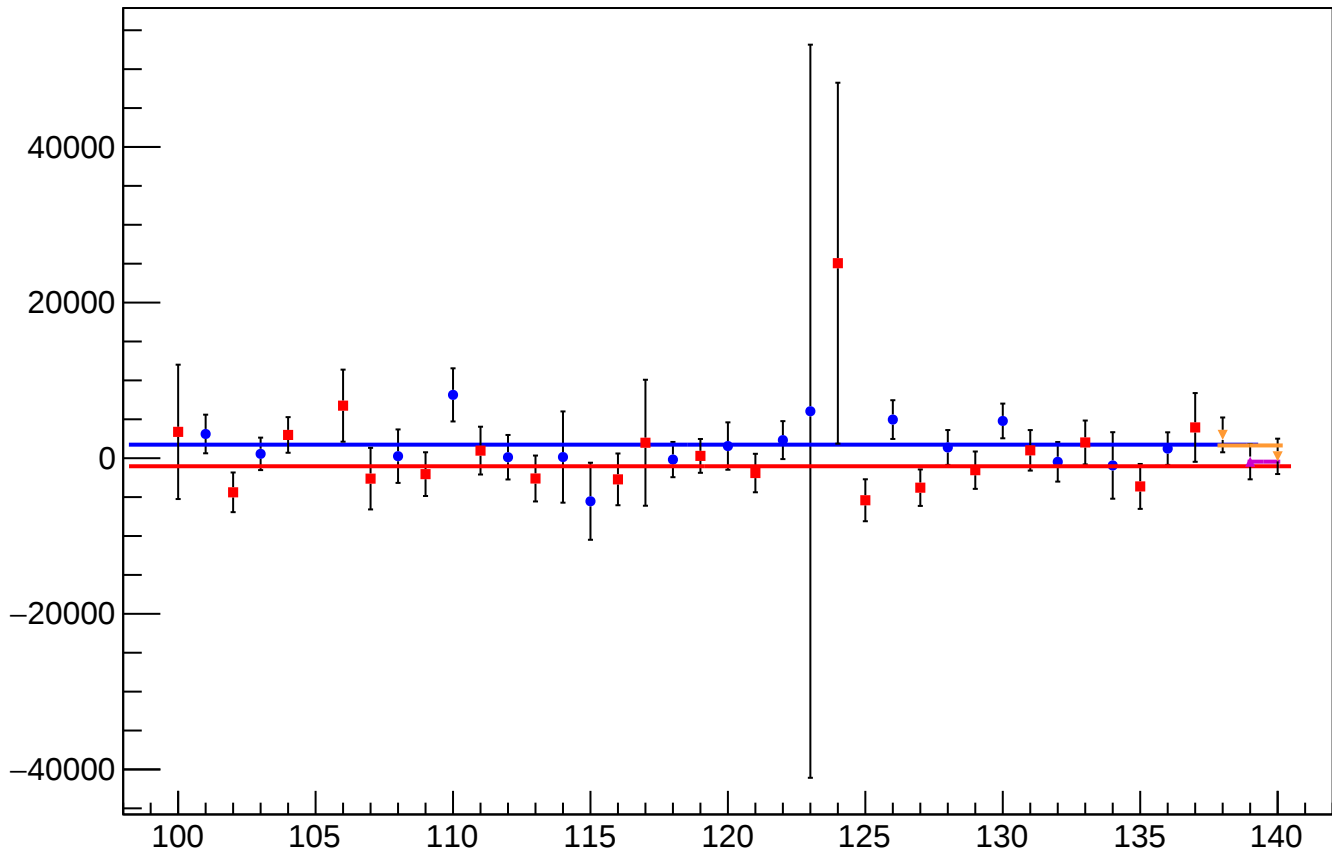
8596.190+/-2.184 χ^2/NDF : 778462.4/18

Right Out: 8056.153+/-2.237 χ^2/NDF : 962282.6/19

8196.490+/-2.163 χ^2/NDF : 1022813.7/20

Left In: 10214.434+/-8.482 χ^2/NDF : 0.0/0

reg_asym_atl_avg_mean vs Slug



Right In: 1739.640 ± 670.395 χ^2/NDF : 12.4/16

Left Out: 1639.643 ± 1594.315 χ^2/NDF : 0.7/1

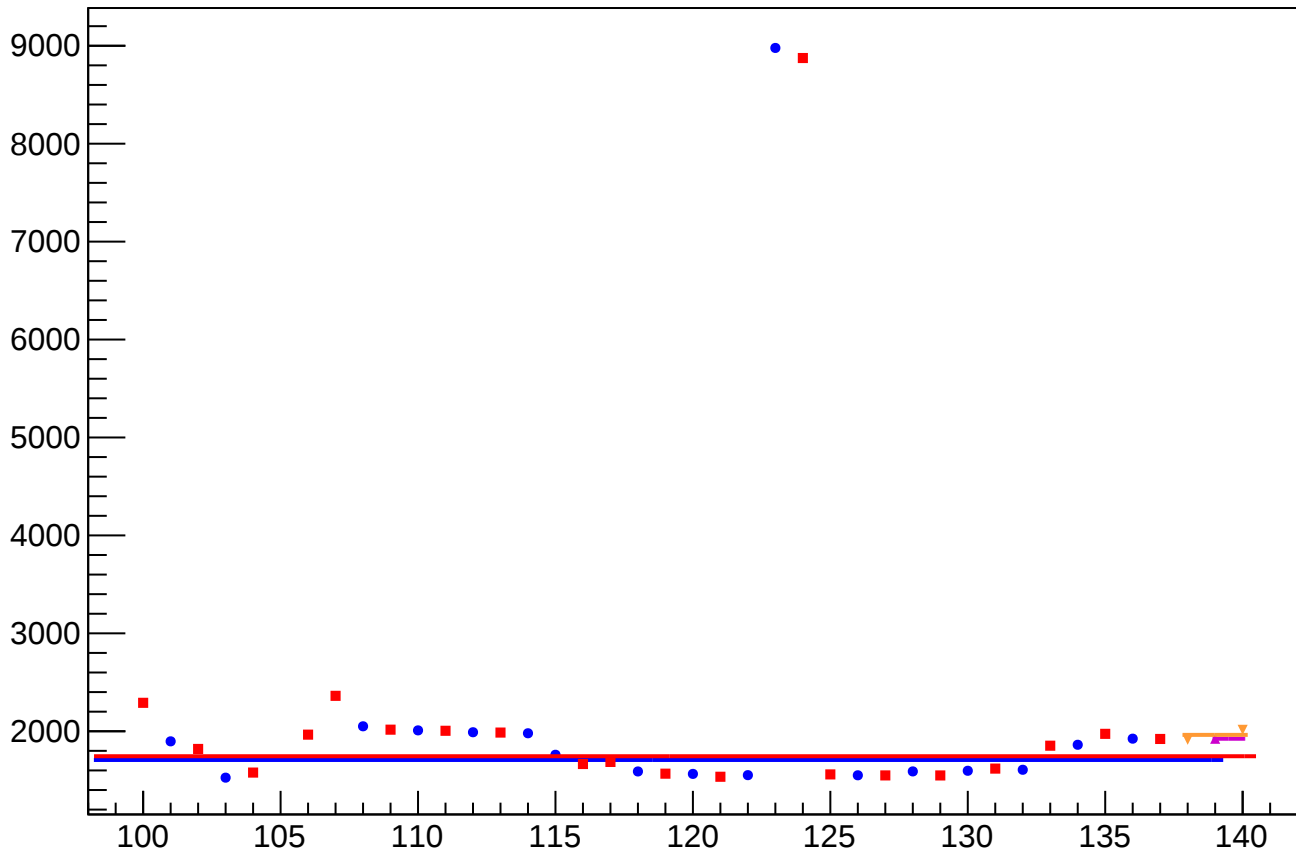
Right Out: -1034.828 ± 668.692 χ^2/NDF : 19.0/19

Left In: -445.200 ± 2270.161 χ^2/NDF : 0.0/0

1724.616 ± 617.984 χ^2/NDF : 13.2/18

-987.754 ± 641.443 χ^2/NDF : 19.1/20

reg_asym_atl_avg_rms vs Slug



Right In: 1706.867+/-0.474 χ^2/NDF : 197555.1/16

Left Out: 1963.074+/-1.127 χ^2/NDF : 2022.9/1

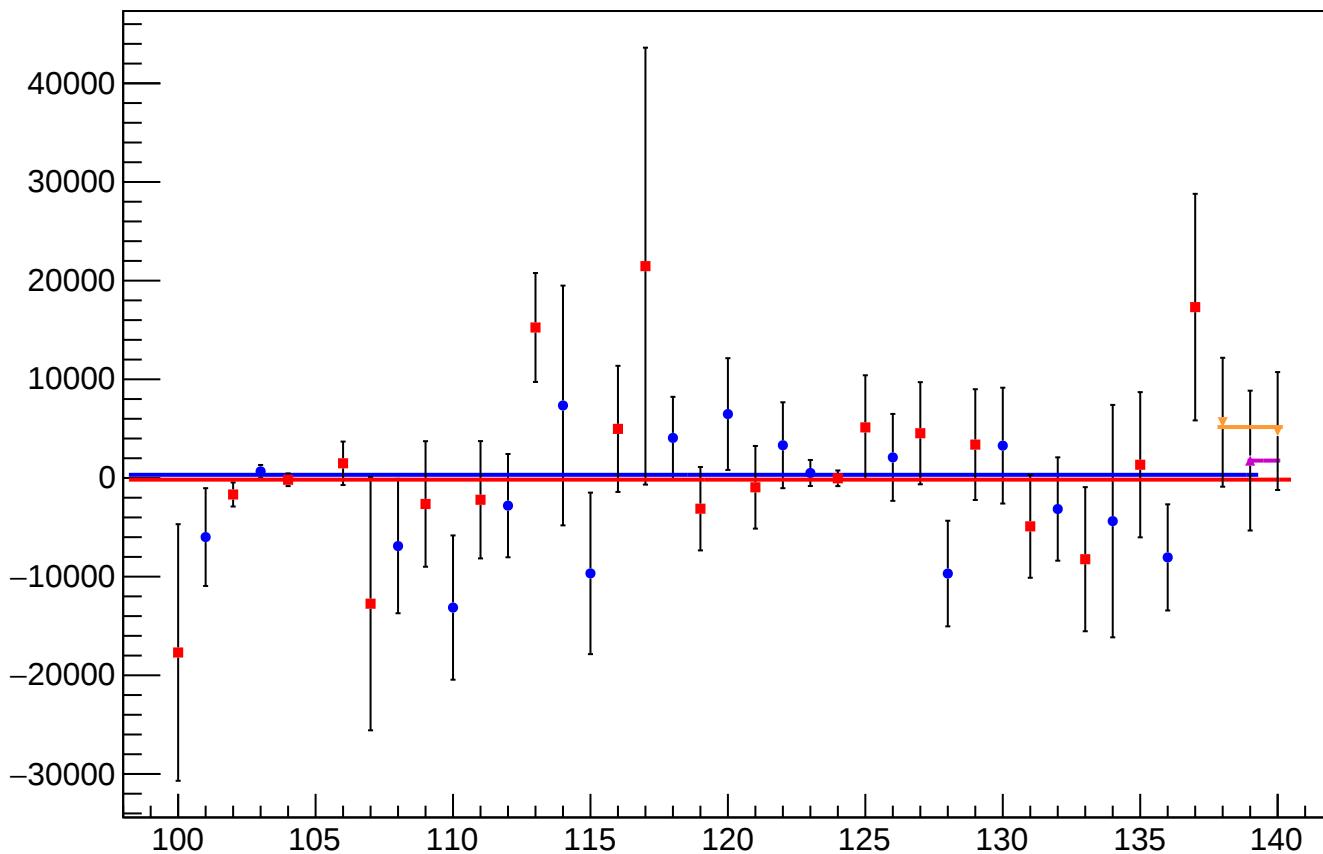
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

Left In: 1923.586+/-1.605 χ^2/NDF : 0.0/0

1745.361+/-0.437 χ^2/NDF : 243467.2/18

1759.176+/-0.452 χ^2/NDF : 411308.2/20

asym_atl_avg_correction_mean vs Slug



Right In: 320.899+/-540.384 χ^2/NDF : 18.0/16

Left Out: 5163.274+/-4409.560 χ^2/NDF : 0.0/1

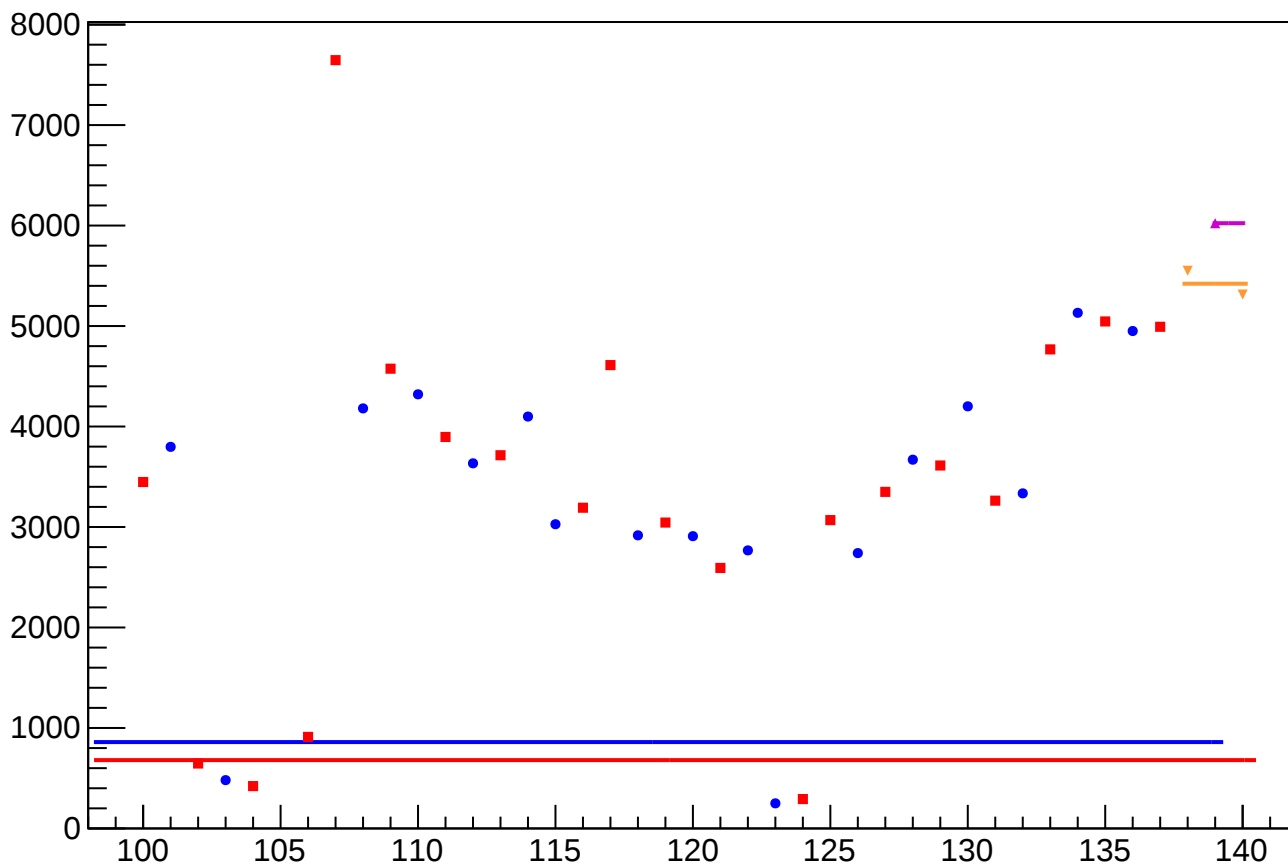
Right Out: -168.343+/-433.469 χ^2/NDF : 21.7/19

Left In: 1761.188+/-7085.400 χ^2/NDF : 0.0/0

392.546+/-536.371 χ^2/NDF : 19.2/18

-161.148+/-432.660 χ^2/NDF : 21.8/20

asym_atl_avg_correction_rms vs Slug



Right In: 859.557+/-0.382 χ^2/NDF : 8143264.5/16

Left Out: 5421.174+/-3.118 χ^2/NDF :1430.7/1

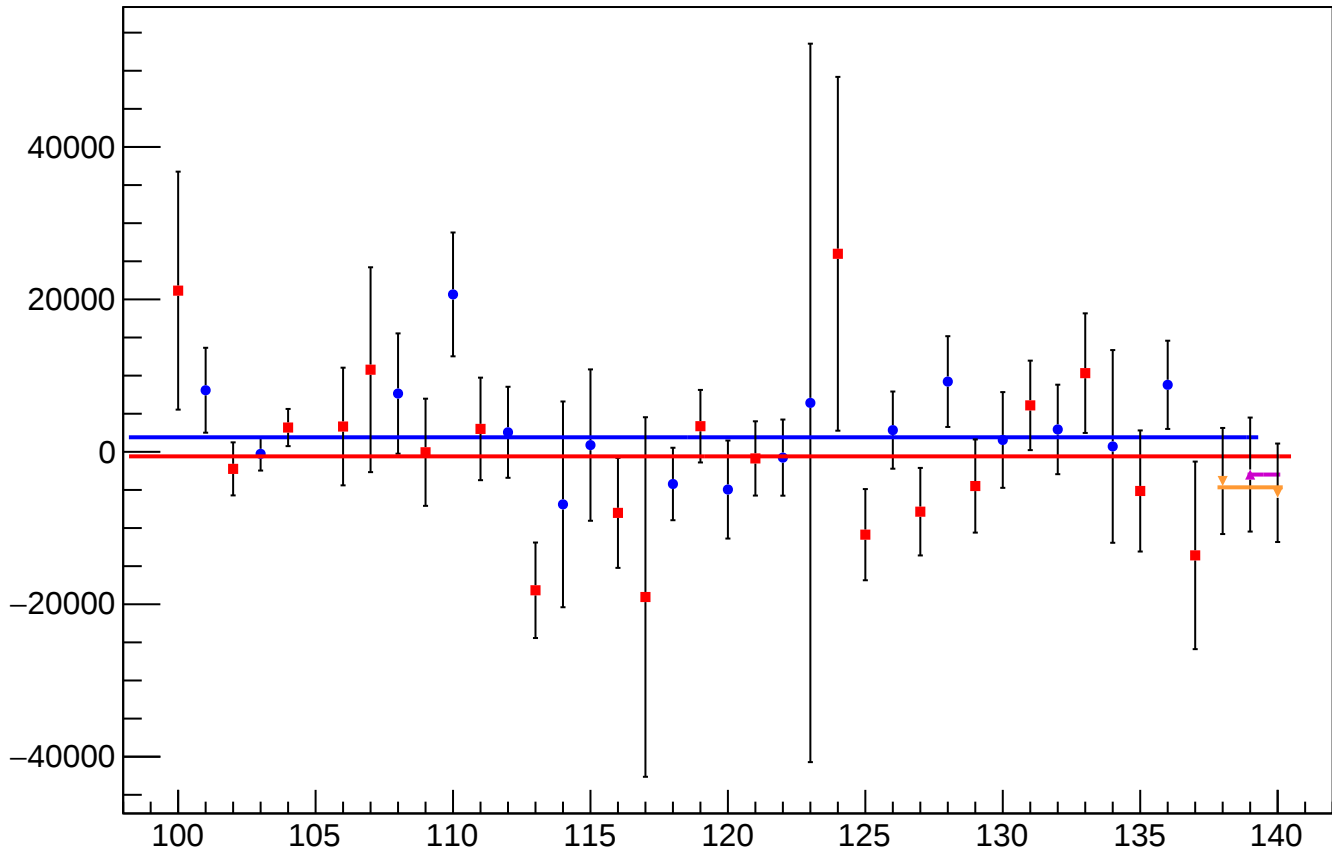
Right Out: 680.110+/-0.307 χ^2/NDF : 8447884.2/19

Left In: 6023.454+/-5.010 χ^2/NDF :0.0/0

927.050+/-0.379 χ^2/NDF : 10253340.2/18

700.034+/-0.306 χ^2/NDF : 9581080.5/20

asym_atl_avg_mean vs Slug



Right In: 1909.348+/-1310.219 χ^2/NDF : 14.6/16

Left Out: -4657.140+/-4734.858 χ^2/NDF : 0.0/1

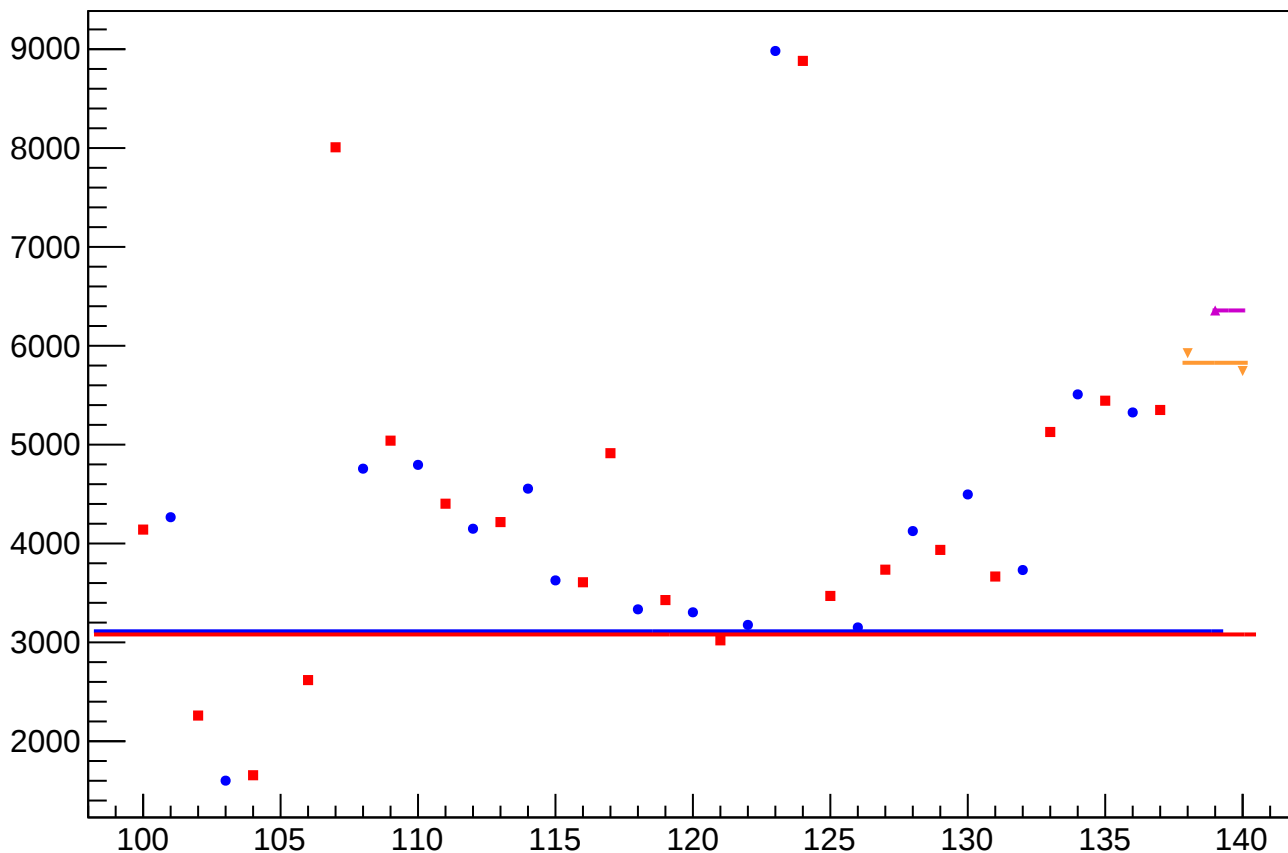
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

Left In: -2982.880+/-7479.708 χ^2/NDF : 0.0/0

1442.298+/-1262.764 χ^2/NDF : 16.4/18

-662.742+/-1265.404 χ^2/NDF : 27.1/20

asym_atl_avg_rms vs Slug



Right In: 3111.825+/-0.926 χ^2 /NDF: 1879558.6/16

Left Out: 5828.017+/-3.348 χ^2 /NDF: 719.2/1

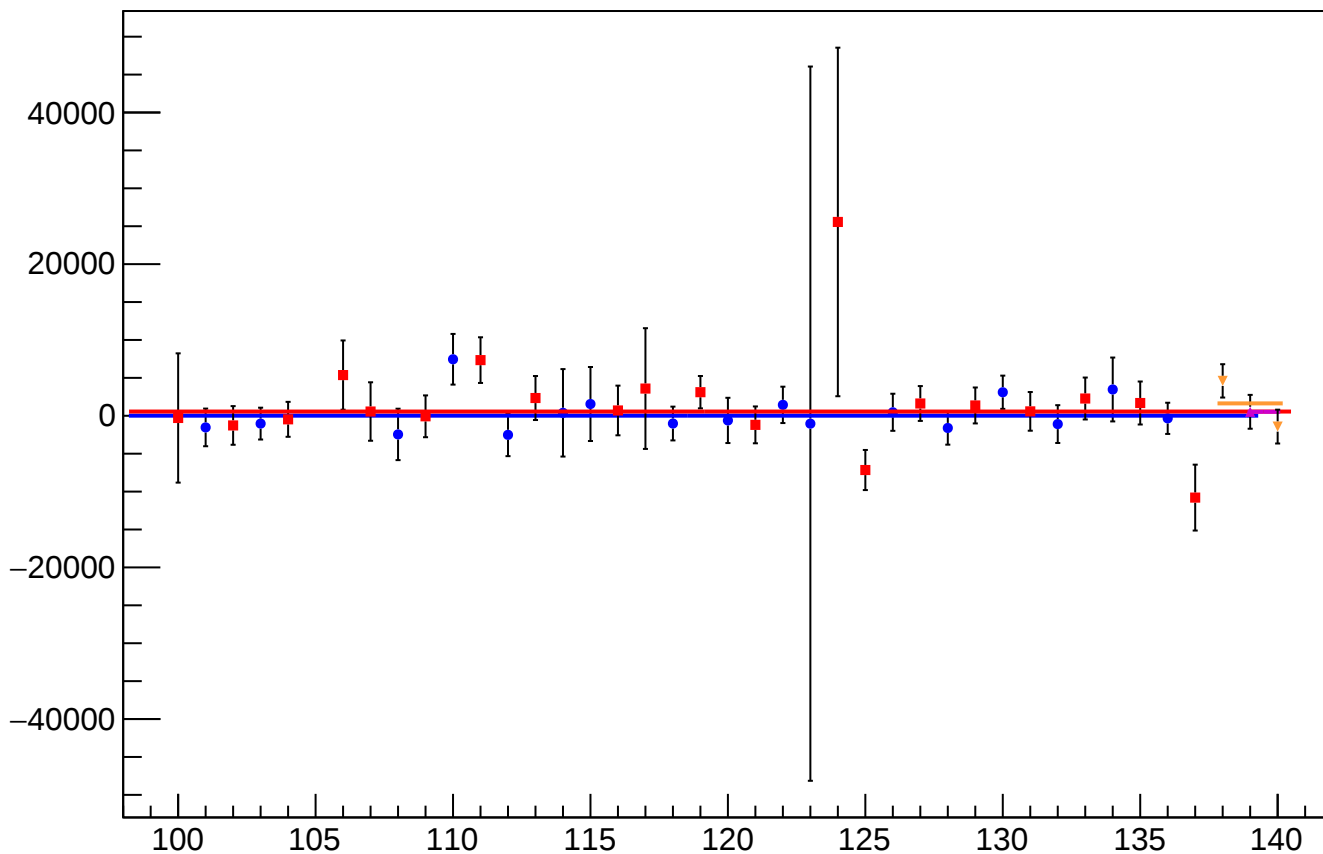
Right Out: 3080.063+/-0.895 χ^2 /NDF: 2017746.3/19

Left In: 6357.376+/-5.289 χ^2 /NDF: 0.0/0

3305.016+/-0.893 χ^2 /NDF: 2491633.7/18

3171.251+/-0.882 χ^2 /NDF: 2391032.0/20

reg_asym_atl_dd_mean vs Slug



Right In: 14.118+/-661.101 χ^2 /NDF: 11.1/16

Left Out: 1632.929+/-1566.103 χ^2 /NDF: 3.7/1

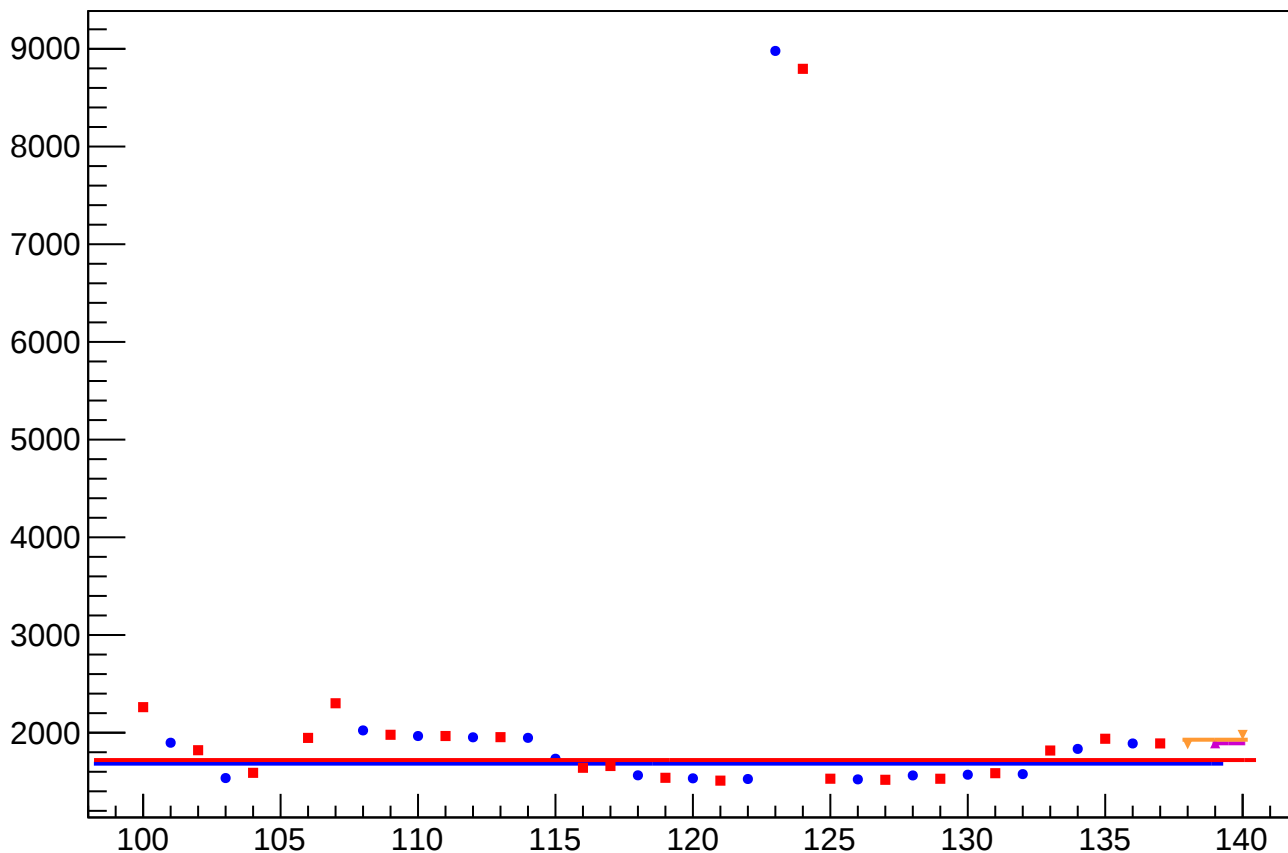
Right Out: 558.377+/-658.875 χ^2 /NDF: 26.8/19

Left In: 523.164+/-2232.208 χ^2 /NDF: 0.0/0

258.953+/-609.059 χ^2 /NDF: 15.7/18

555.555+/-631.922 χ^2 /NDF: 26.8/20

reg_asym_atl_dd_rms vs Slug



Right In: 1683.259+/-0.467 χ^2/NDF : 195893.7/16

Left Out: 1928.219+/-1.107 χ^2/NDF : 1904.3/1

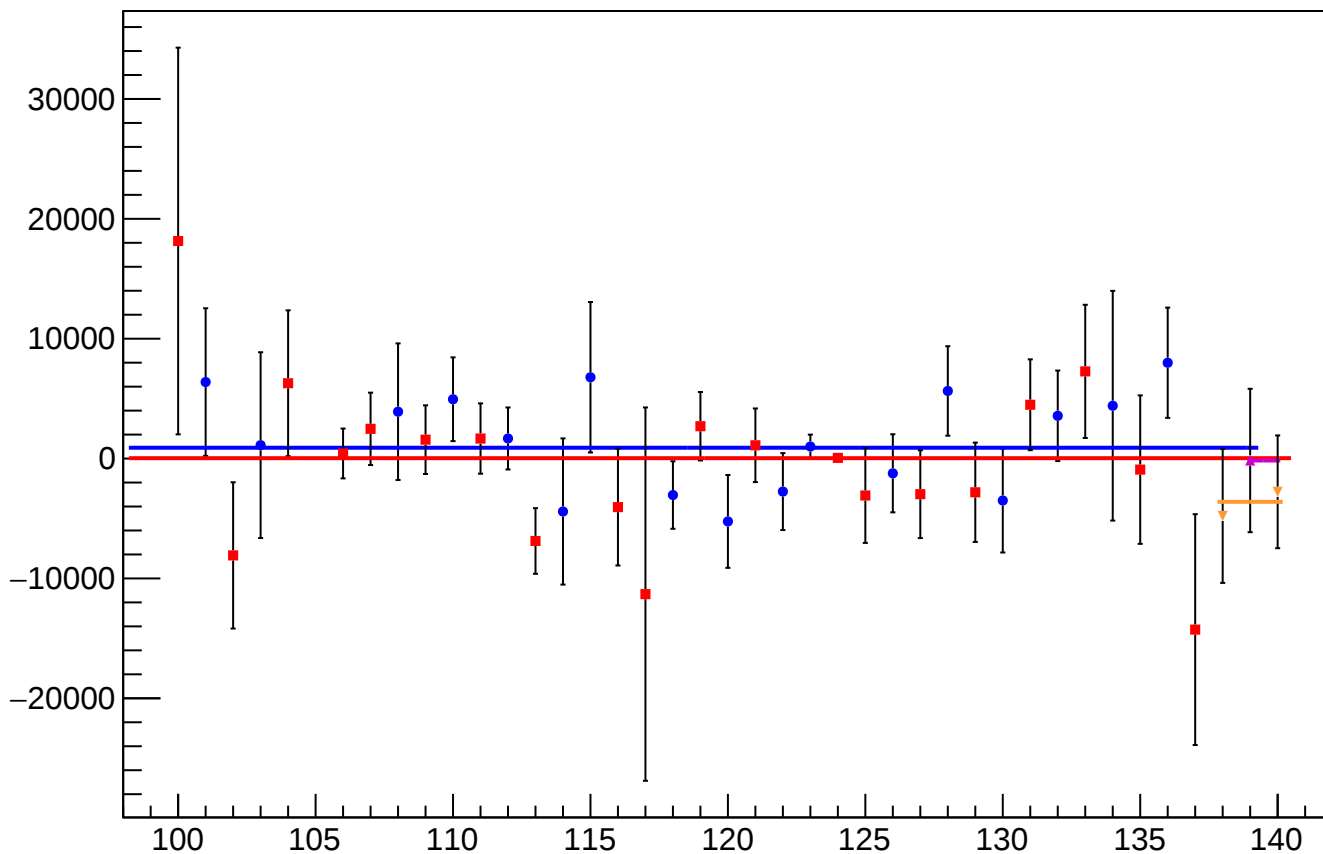
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

Left In: 1891.522+/-1.578 χ^2/NDF : 0.0/0

1720.307+/-0.431 χ^2/NDF : 239328.1/18

1733.604+/-0.445 χ^2/NDF : 407091.9/20

asym_atl_dd_correction_mean vs Slug



Right In: 903.344+/-705.564 χ^2/NDF : 16.0/16

Left Out: -3607.663+/-3598.360 χ^2/NDF : 0.1/1

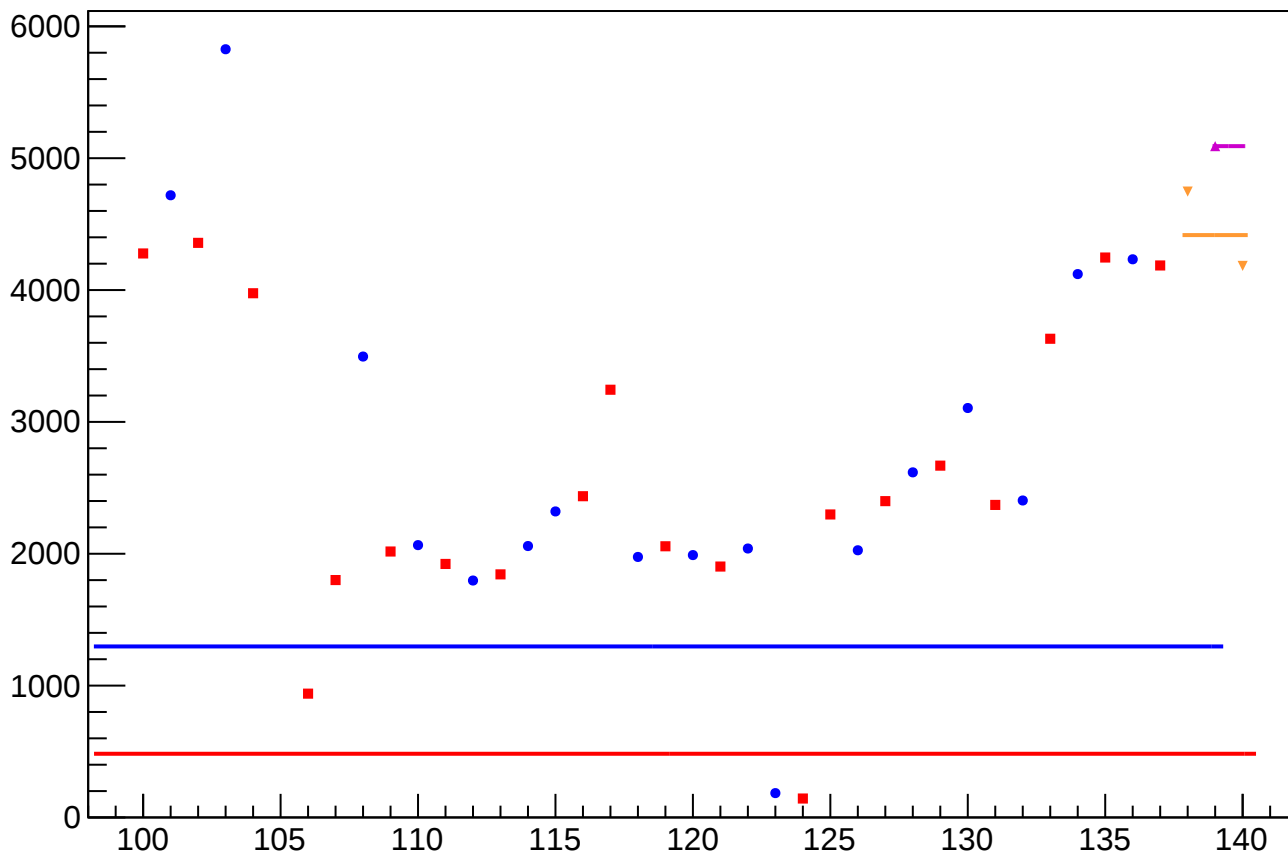
Right Out: 32.177+/-357.083 χ^2/NDF : 21.0/19

Left In: -160.235+/-5982.104 χ^2/NDF : 0.0/0

736.330+/-692.380 χ^2/NDF : 17.6/18

31.494+/-356.448 χ^2/NDF : 21.0/20

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499 χ^2 /NDF: 6509608.5/16

Left Out: 4416.884+/-2.544 χ^2 /NDF:11909.8/1

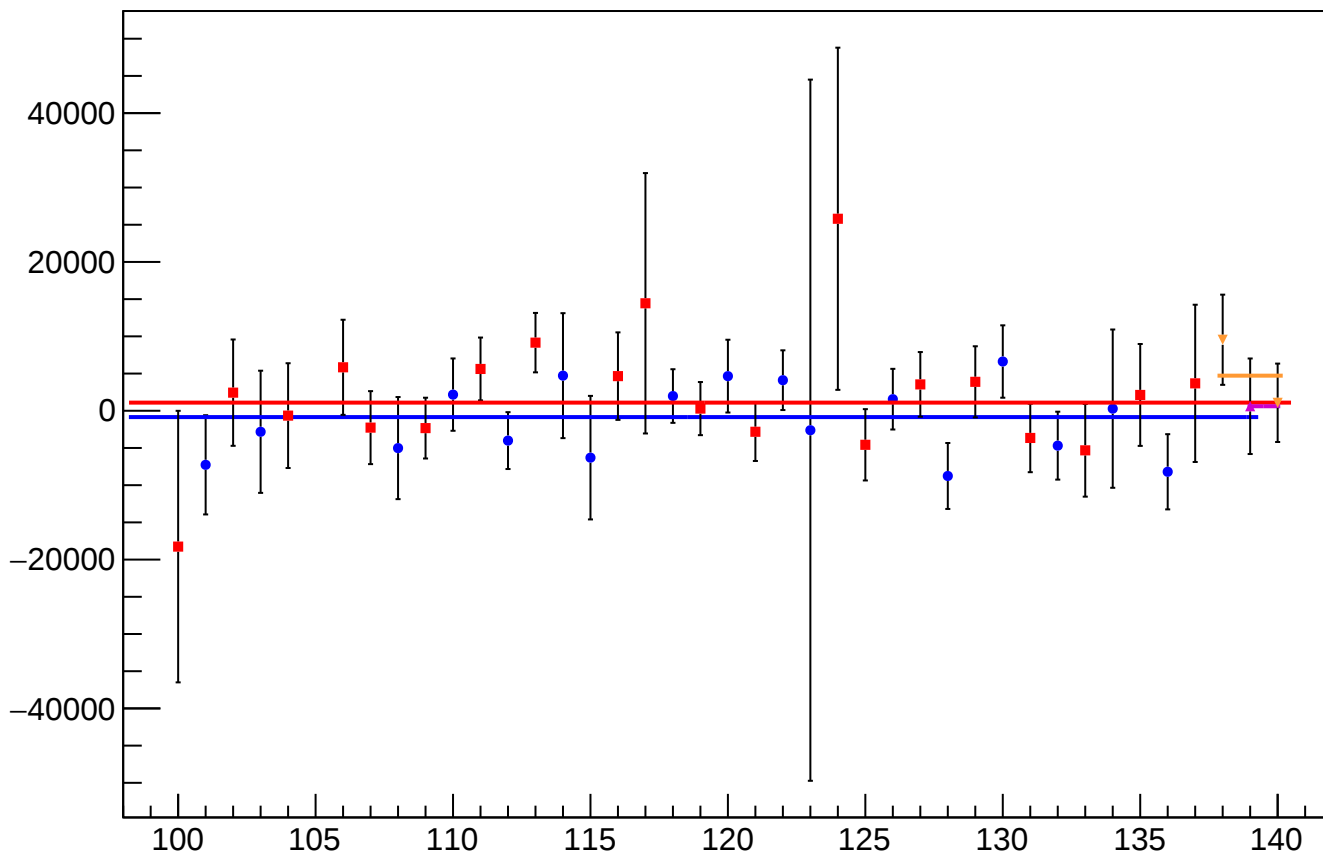
Right Out: 483.029+/-0.252 χ^2 /NDF: 10207063.0/19

Left In: 5091.482+/-4.230 χ^2 /NDF:0.0/0

1412.514+/-0.490 χ^2 /NDF: 7969329.6/18

499.392+/-0.252 χ^2 /NDF: 11389798.2/20

asym_atl_dd_mean vs Slug



Right In: -849.372+/-1261.026 χ^2/NDF : 15.4/16

Left Out: 4717.890+/-3975.639 χ^2/NDF : 1.1/1

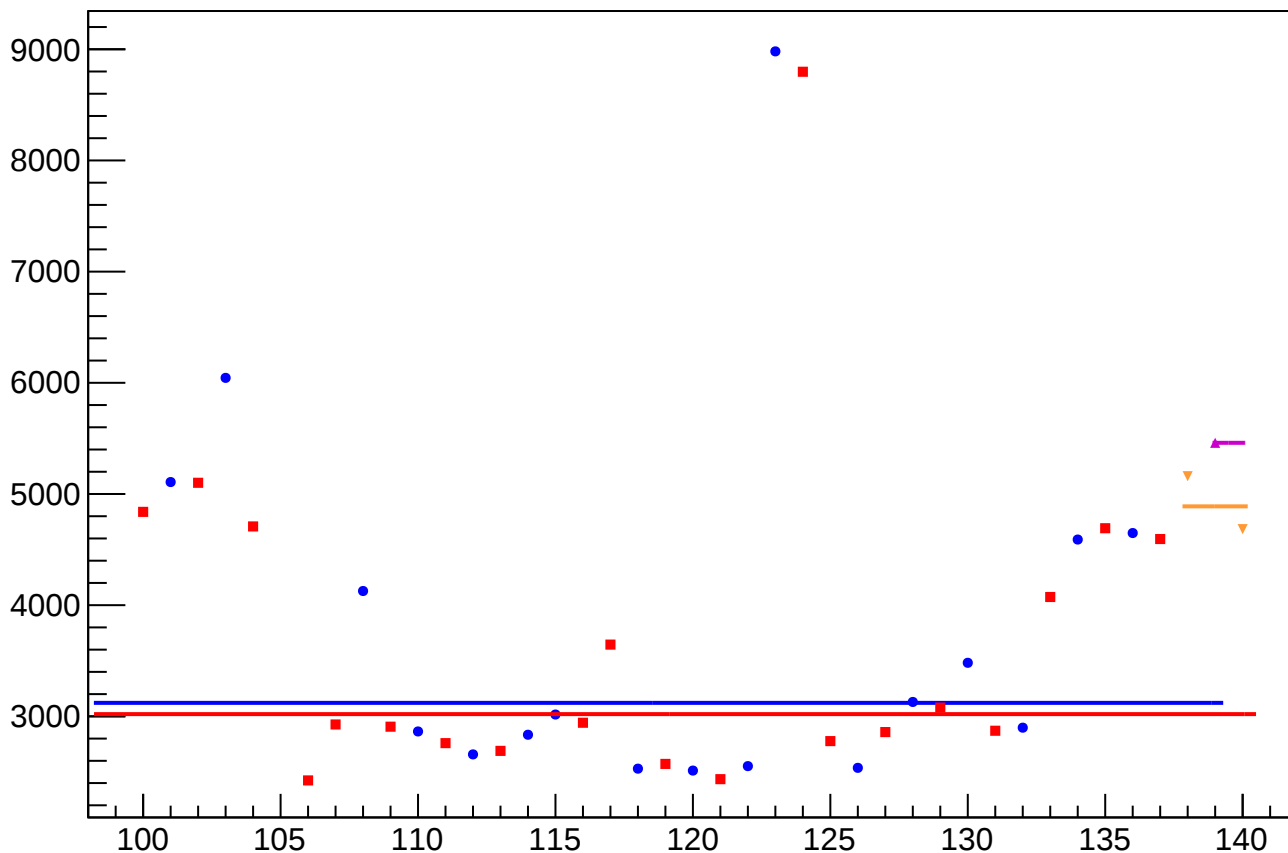
Right Out: 1095.033+/-1187.966 χ^2/NDF : 15.6/19

Left In: 606.184+/-6419.830 χ^2/NDF : 0.0/0

-340.460+/-1202.008 χ^2/NDF : 18.3/18

1078.847+/-1168.135 χ^2/NDF : 15.6/20

asym_atl_dd_rms vs Slug



Right In: 3121.417+/-0.892 χ^2/NDF : 945708.1/16

Left Out: 4888.686+/-2.811 χ^2/NDF : 7032.0/1

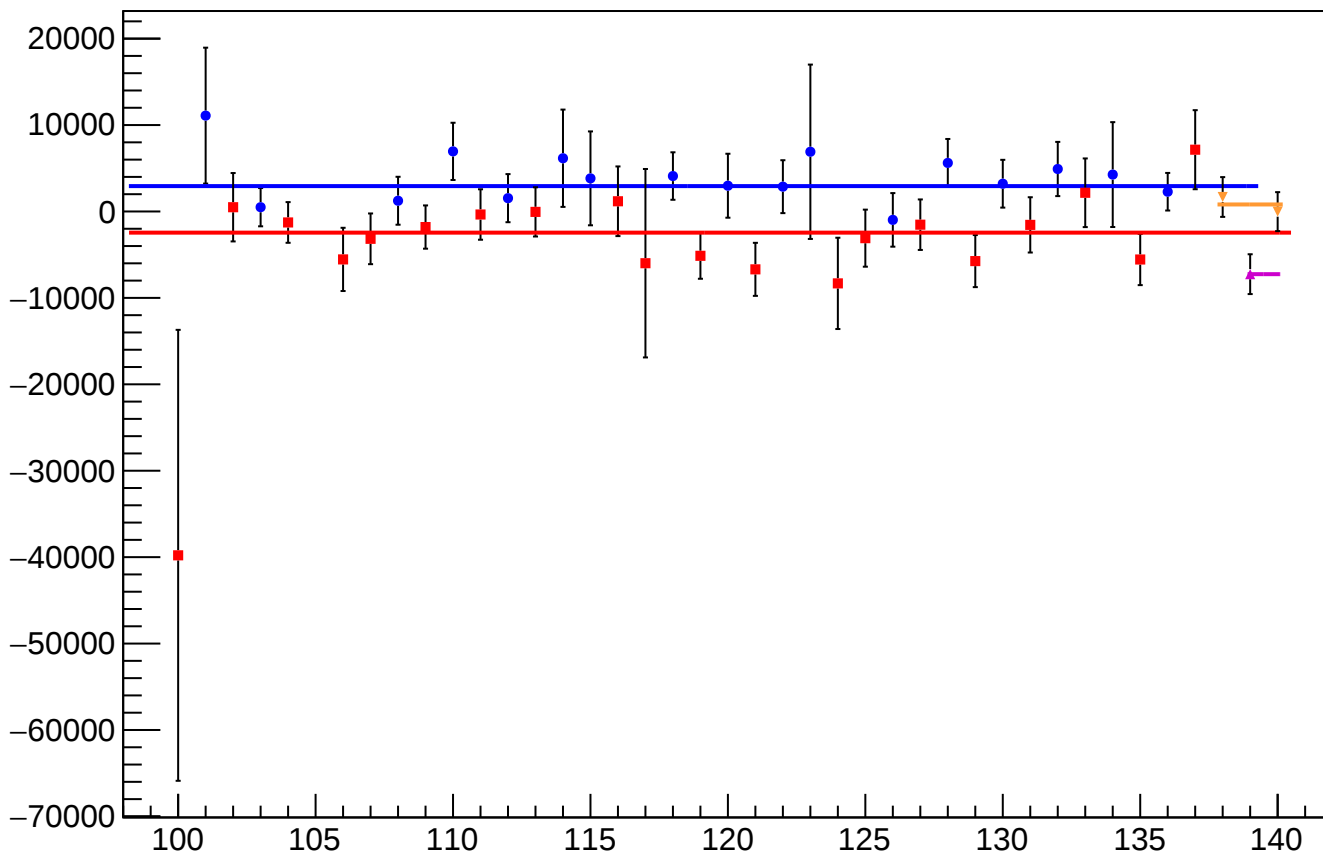
Right Out: 3020.039+/-0.830 χ^2/NDF : 794563.8/19

Left In: 5460.363+/-4.540 χ^2/NDF : 0.0/0

3282.964+/-0.850 χ^2/NDF : 1311818.4/18

3098.909+/-0.816 χ^2/NDF : 1074210.5/20

reg_asym_atr_avg_mean vs Slug



Right In: 2935.827+/-775.365 χ^2/NDF : 8.2/16

Left Out: 811.701+/-1610.212 χ^2/NDF : 0.3/1

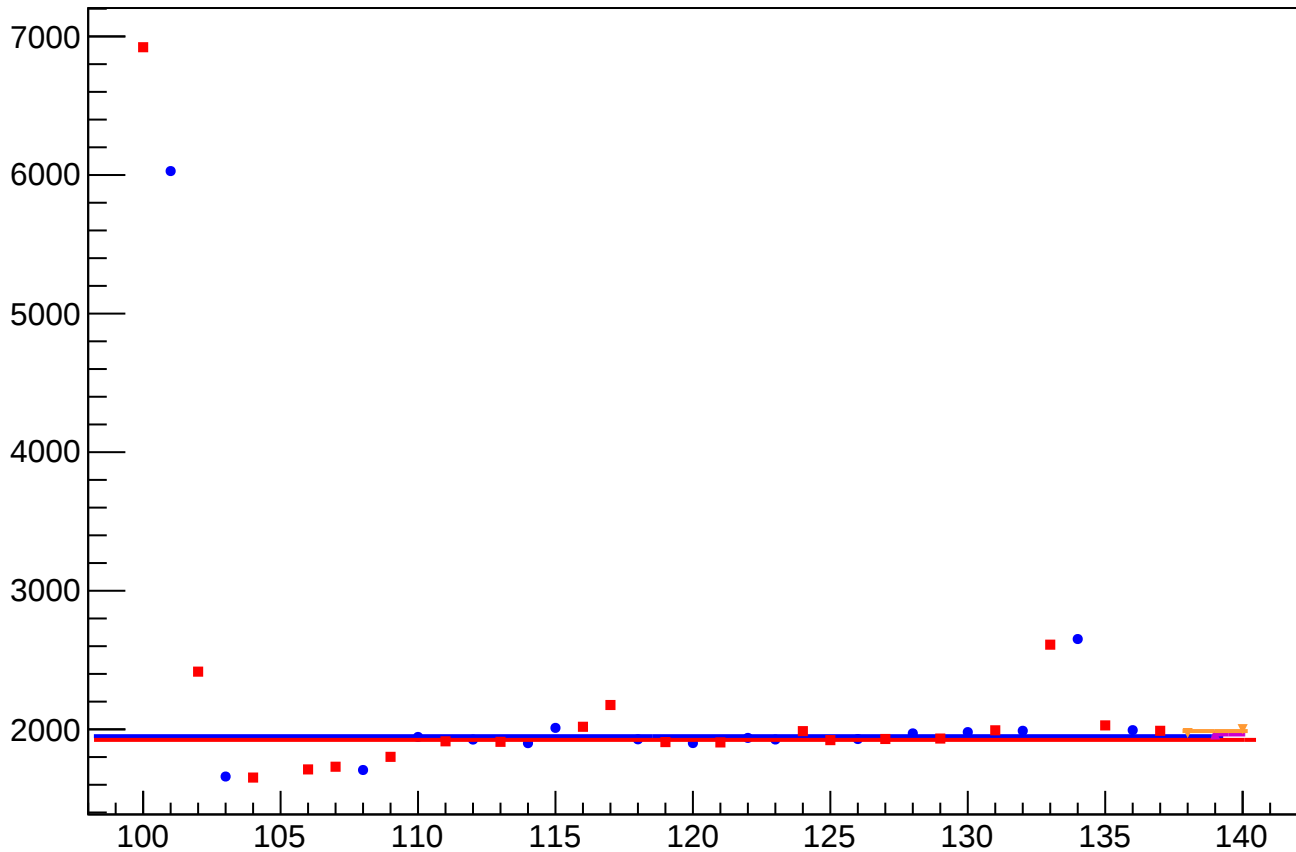
Right Out: -2449.072+/-738.715 χ^2/NDF : 18.3/19

Left In: -7254.337+/-2303.914 χ^2/NDF : 0.0/0

2536.010+/-698.592 χ^2/NDF : 9.8/18

-2897.032+/-703.440 χ^2/NDF : 22.2/20

reg_asym_atr_avg_rms vs Slug



Right In: 1950.615+/-0.548 χ^2/NDF : 617332.2/16

Left Out: 1987.517+/-1.139 χ^2/NDF :153.4/1

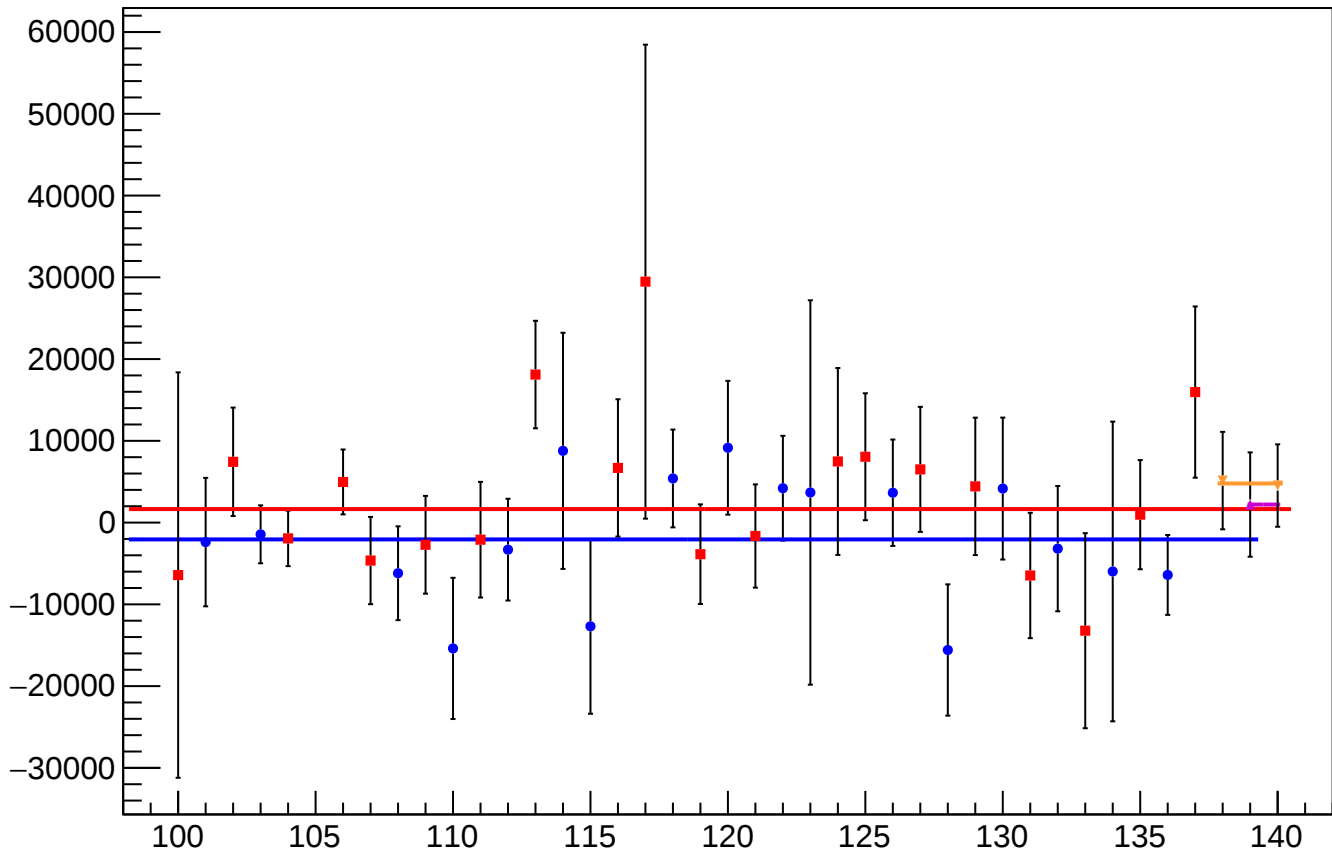
Right Out: 1923.907+/-0.521 χ^2/NDF : 218470.6/19

Left In: 1962.999+/-1.629 χ^2/NDF :0.0/0

1957.561+/-0.494 χ^2/NDF : 618338.3/18

1927.536+/-0.496 χ^2/NDF : 218993.0/20

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876+/-1661.079 χ^2/NDF : 14.0/16

Left Out: 4784.121+/-3848.115 χ^2/NDF : 0.0/1

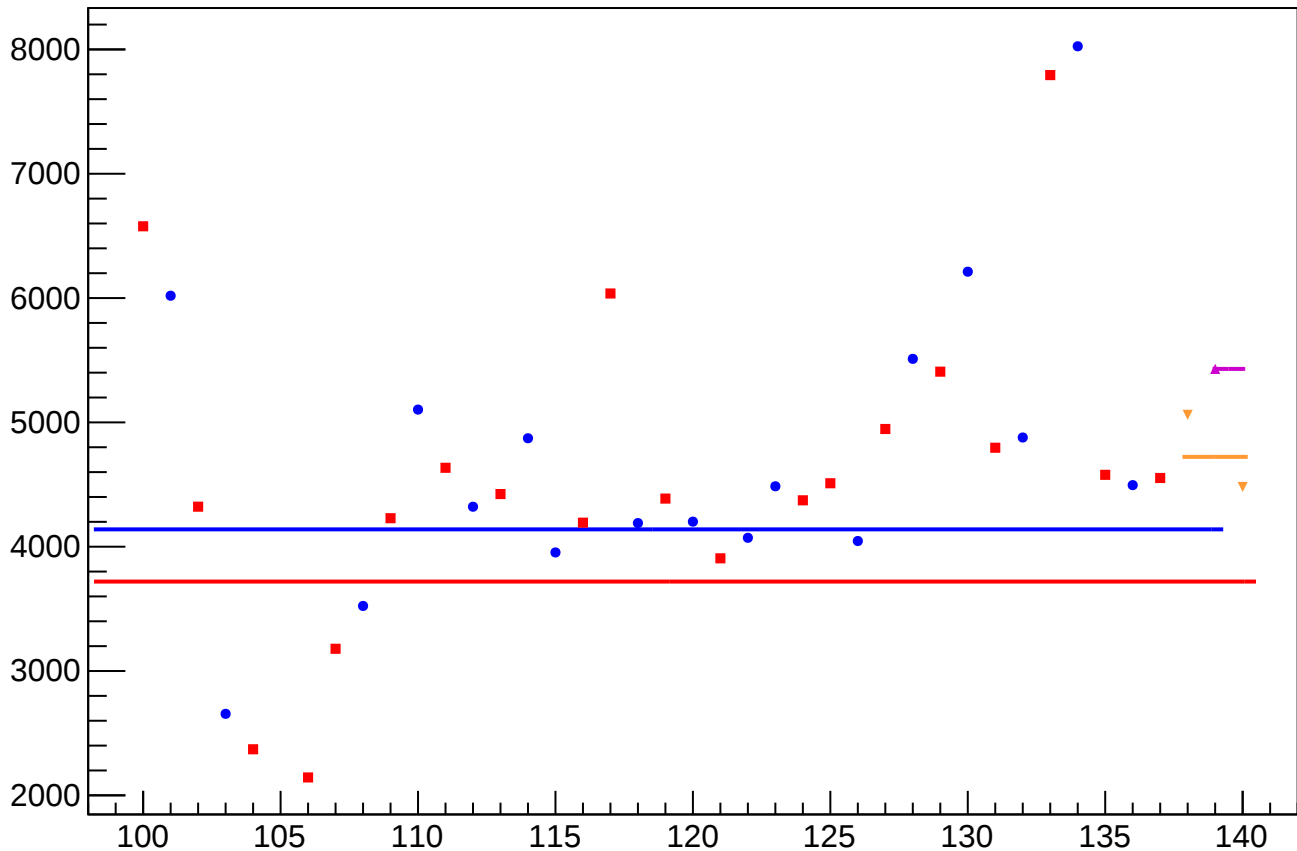
Right Out: 1652.978+/-1475.490 χ^2/NDF : 19.5/19

Left In: 2206.432+/-6379.679 χ^2/NDF : 0.0/0

-982.397+/-1525.061 χ^2/NDF : 16.6/18

1681.080+/-1437.543 χ^2/NDF : 19.5/20

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4722.653+/-2.721 χ^2/NDF : 11044.8/1

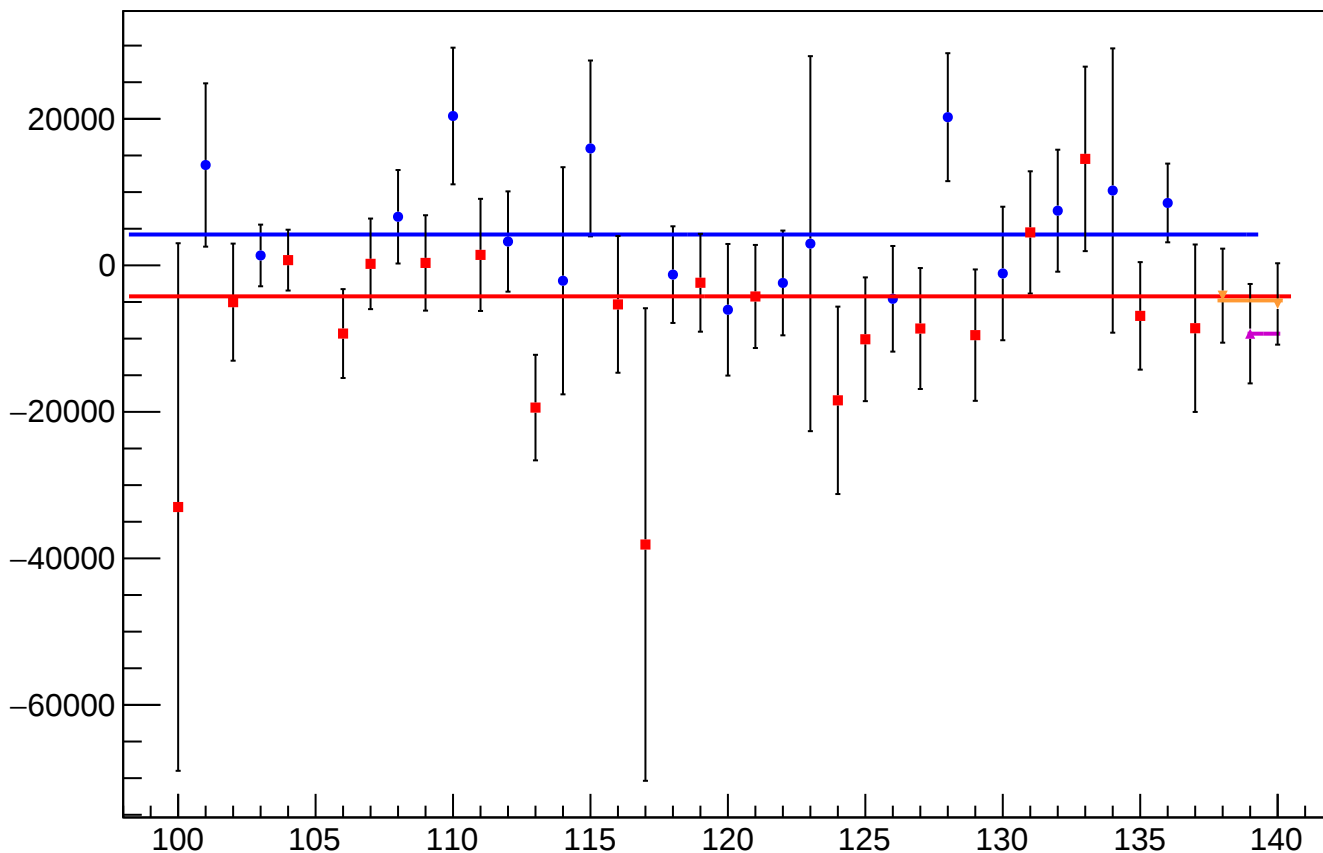
4231.003+/-1.078 χ^2/NDF : 863325.9/18

Right Out: 3719.546+/-1.043 χ^2/NDF : 1288644.4/19

3806.407+/-1.016 χ^2/NDF : 1425155.8/20

Left In: 5430.284+/-4.511 χ^2/NDF : 0.0/0

asym_atr_avg_mean vs Slug



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: -4783.955+/-4200.571 χ^2/NDF : 0.0/1

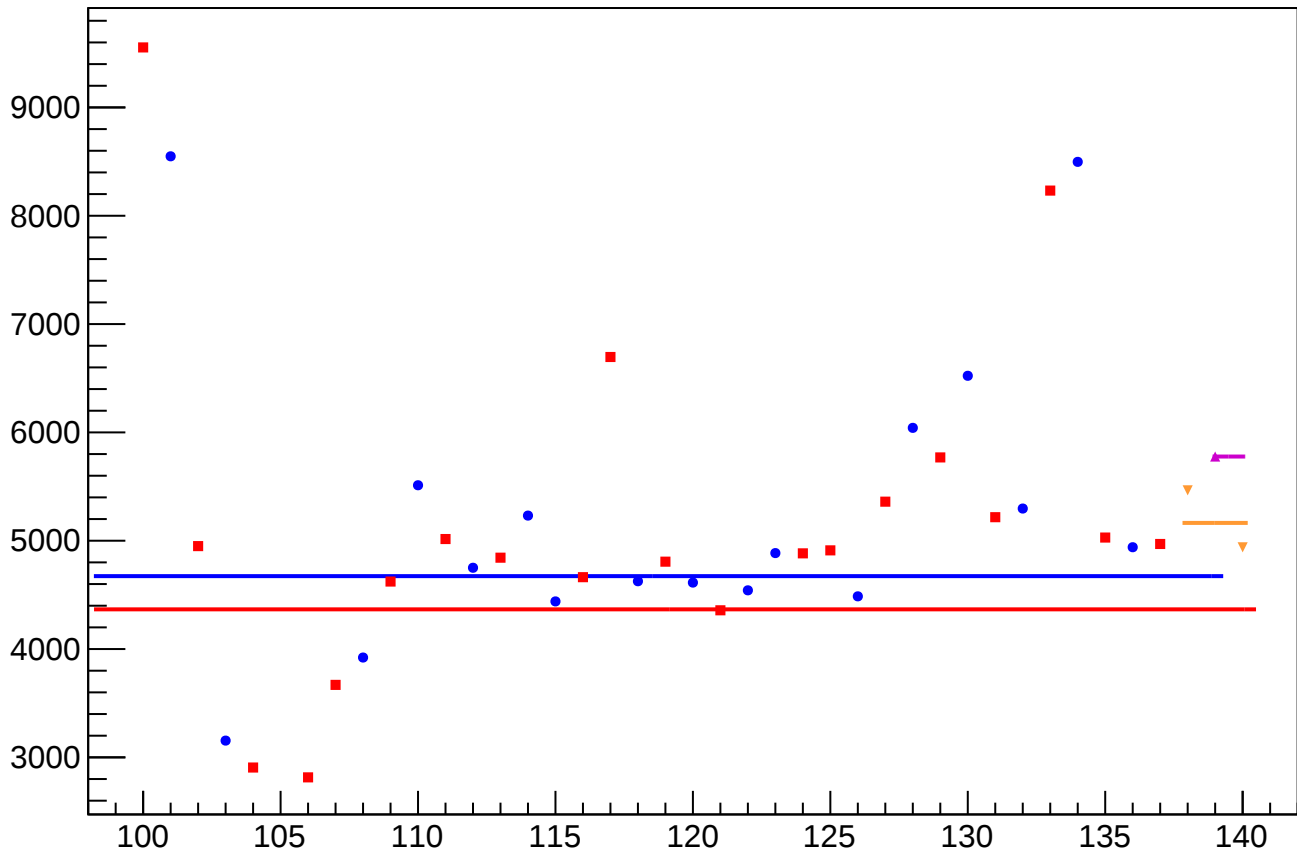
Right Out: -4230.596+/-1722.878 χ^2/NDF : 15.9/19

Left In: -9327.204+/-6785.758 χ^2/NDF : 0.0/0

2722.180+/-1709.356 χ^2/NDF : 18.3/18

-4539.243+/-1669.895 χ^2/NDF : 16.4/20

asym_atr_avg_rms vs Slug



Right In: 4673.046+/-1.323 χ^2/NDF : 777321.1/16

Left Out: 5164.396+/-2.970 χ^2/NDF : 7681.1/1

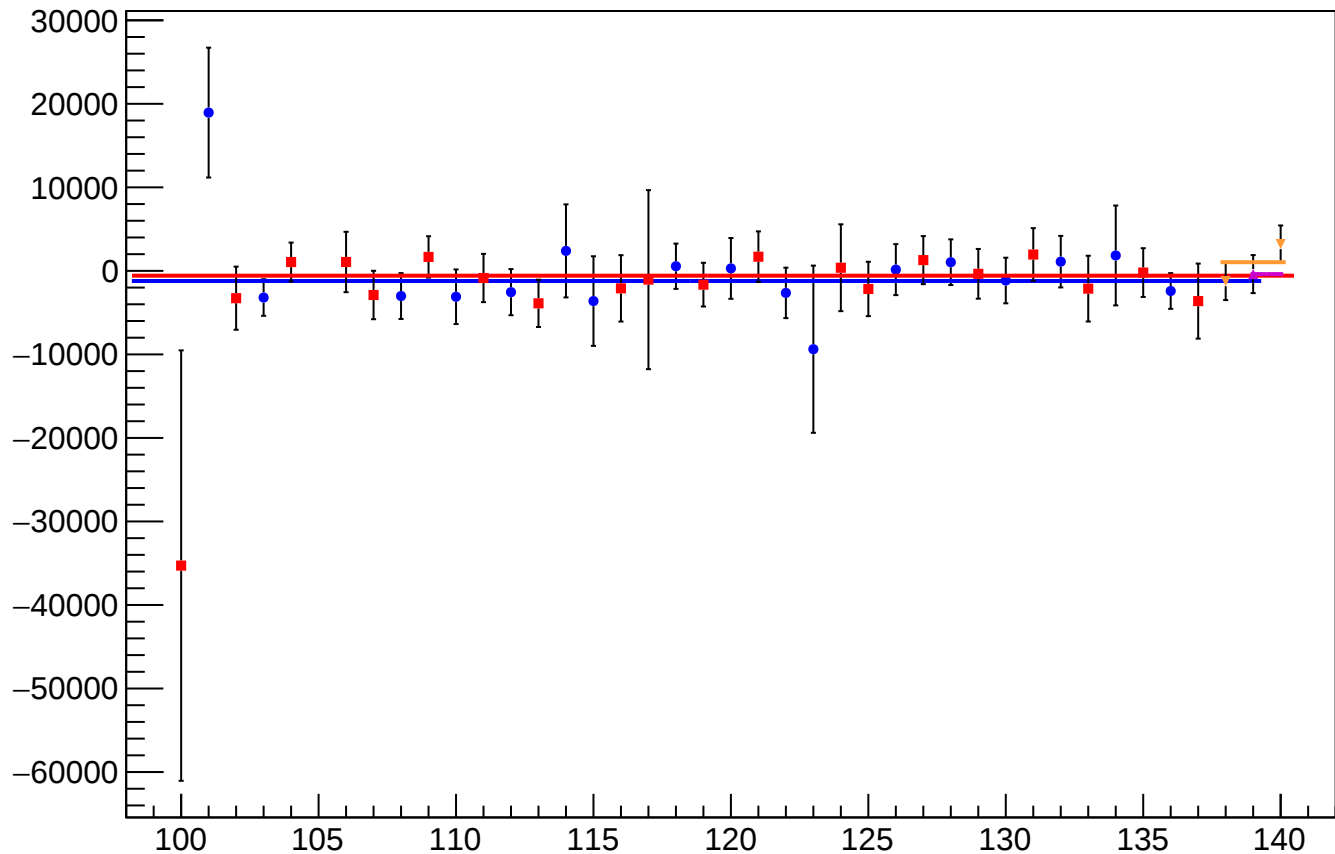
Right Out: 4366.422+/-1.211 χ^2/NDF : 842654.3/19

Left In: 5777.165+/-4.798 χ^2/NDF : 0.0/0

4754.411+/-1.209 χ^2/NDF : 807835.7/18

4450.934+/-1.174 χ^2/NDF : 923918.6/20

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176 ± 765.294 χ^2/NDF : 12.7/16

Left Out: 1037.799 ± 1589.036 χ^2/NDF : 1.9/1

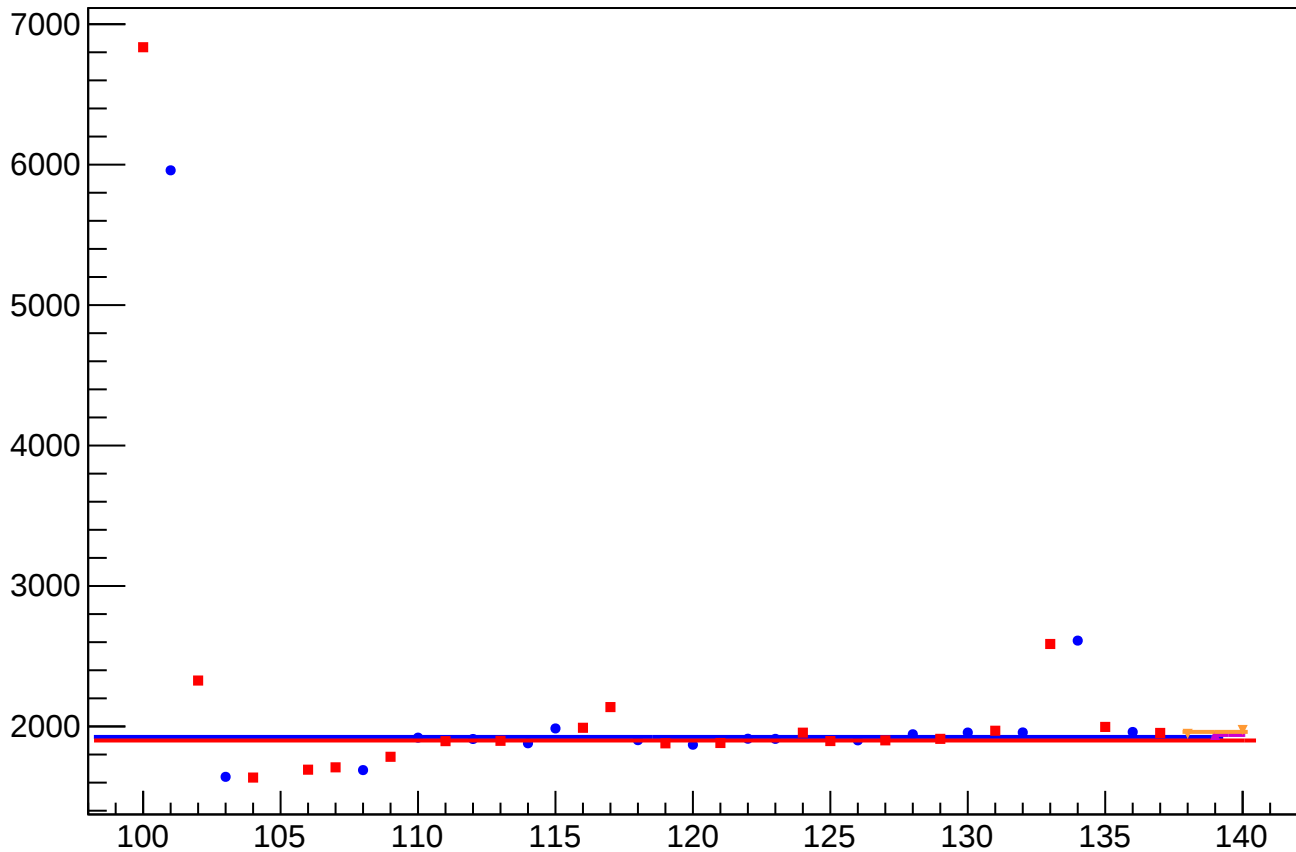
Right Out: -575.663 ± 728.976 χ^2/NDF : 8.7/19

Left In: -386.843 ± 2276.255 χ^2/NDF : 0.0/0

-787.746 ± 689.497 χ^2/NDF : 16.2/18

-558.098 ± 694.243 χ^2/NDF : 8.7/20

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1961.279+/-1.124 χ^2/NDF : 149.8/1

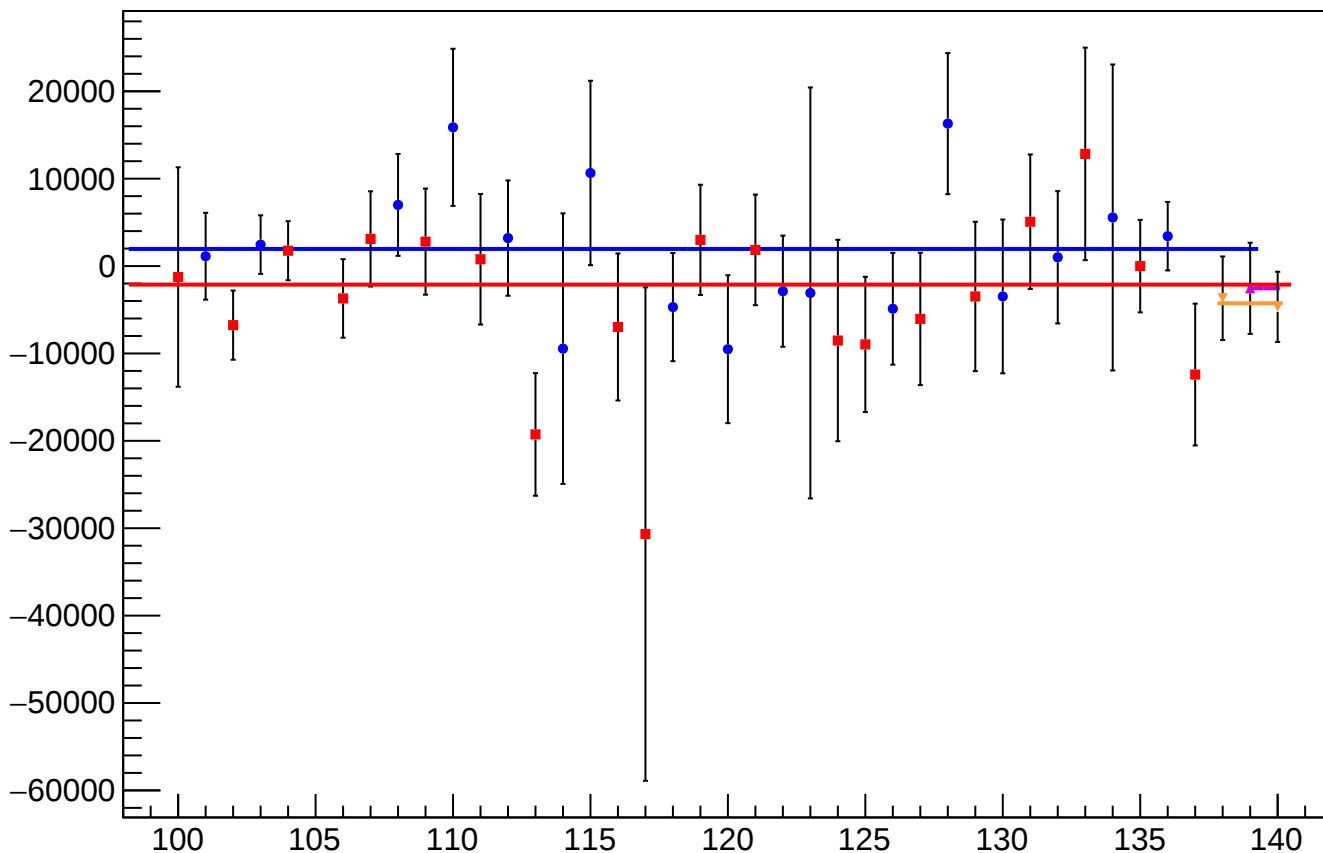
Right Out: 1899.955+/-0.514 χ^2/NDF : 211865.1/19

Left In: 1939.506+/-1.610 χ^2/NDF : 0.0/0

1932.091+/-0.488 χ^2/NDF : 616844.8/18

1903.619+/-0.490 χ^2/NDF : 212413.0/20

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -4259.661 $\pm$ 3074.505 χ^2 /NDF: 0.0/1

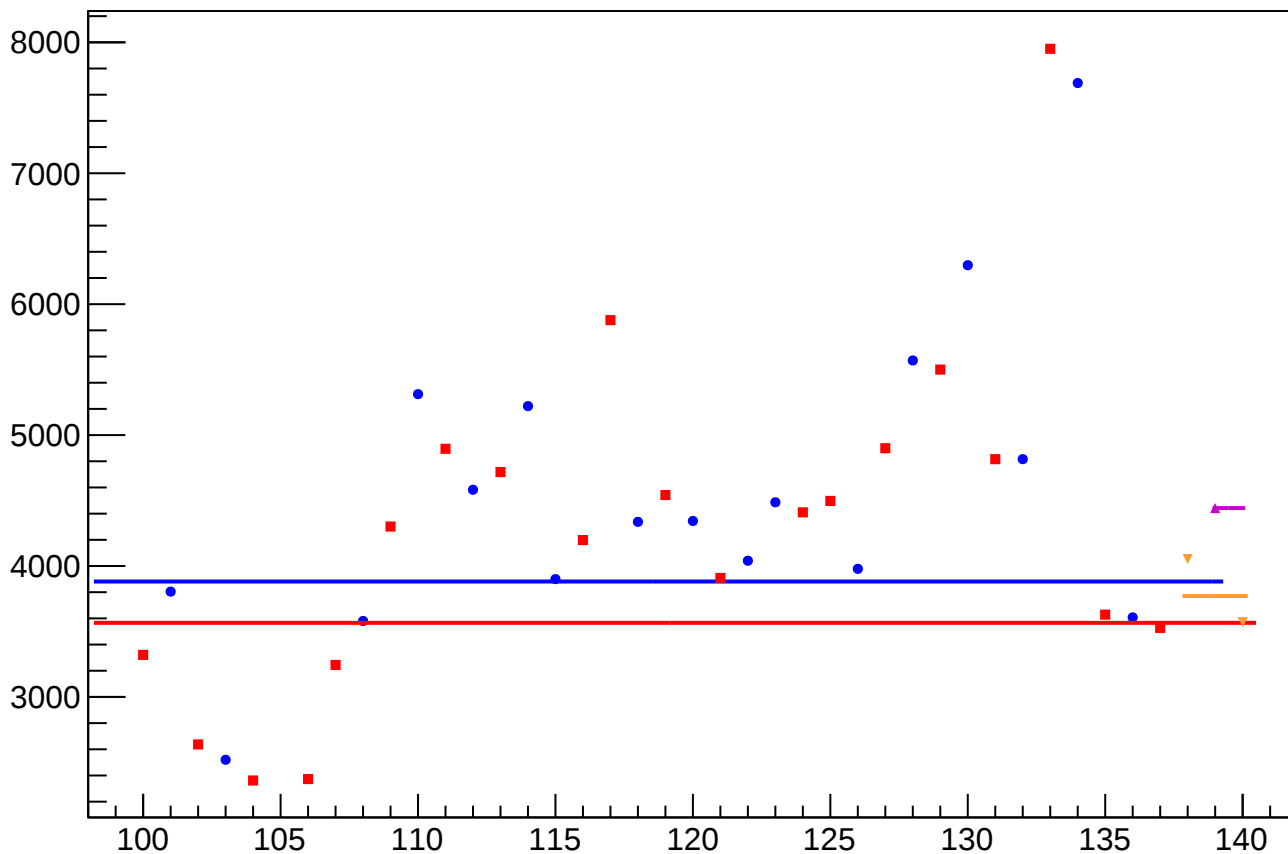
Right Out: -2124.415 $\pm$ 1411.872 χ^2 /NDF: 18.5/19

Left In: -2549.627 $\pm$ 5216.805 χ^2 /NDF: 0.0/0

689.927 $\pm$ 1388.923 χ^2 /NDF: 16.2/18

-2153.434 $\pm$ 1362.843 χ^2 /NDF: 18.5/20

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577+/-1.101 χ^2/NDF : 817466.6/16

Left Out: 3770.285+/-2.174 χ^2/NDF : 11943.3/1

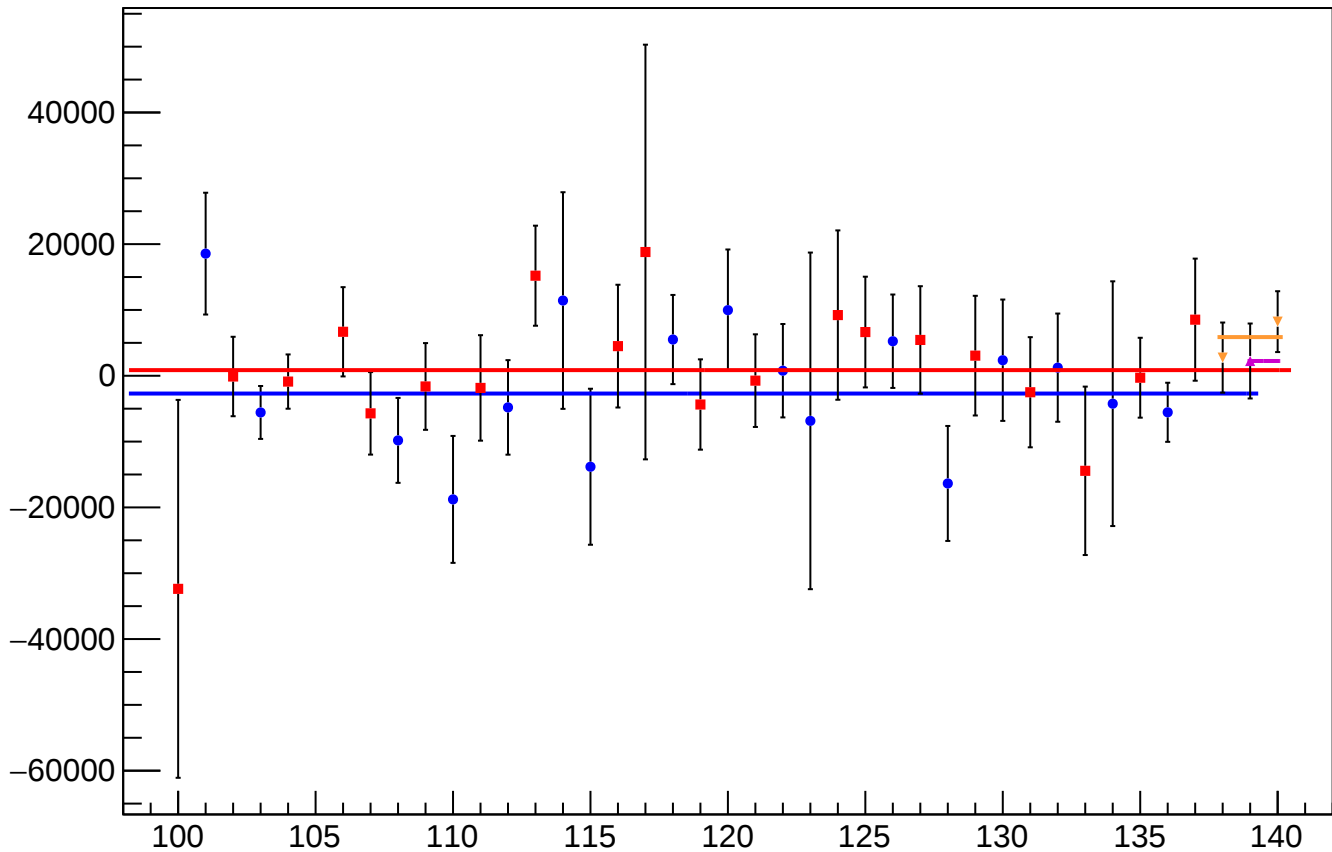
Right Out: 3565.851+/-0.998 χ^2/NDF : 1254973.6/19

Left In: 4442.369+/-3.689 χ^2/NDF : 0.0/0

3858.865+/-0.982 χ^2/NDF : 831495.7/18

3625.671+/-0.964 χ^2/NDF : 1307580.6/20

asym_atr_dd_mean vs Slug



Right In: -2700.702+/-1809.055 χ^2/NDF : 19.8/16

Left Out: 5876.482+/-3492.323 χ^2/NDF : 0.6/1

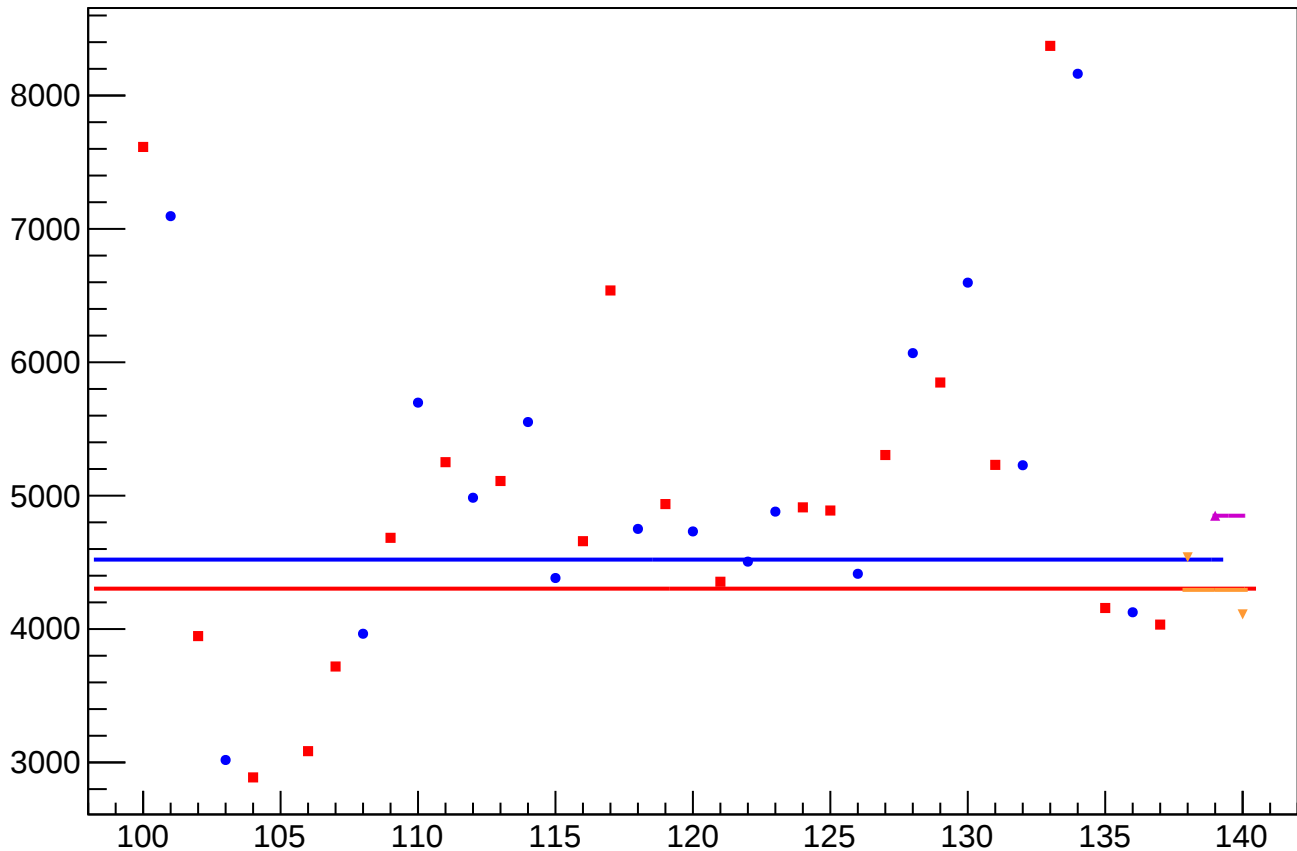
Right Out: 857.617+/-1687.925 χ^2/NDF : 11.9/19

Left In: 2244.148+/-5694.110 χ^2/NDF : 0.0/0

-886.080+/-1606.331 χ^2/NDF : 25.1/18

969.614+/-1618.319 χ^2/NDF : 11.9/20

asym_atr_dd_rms vs Slug



Right In: 4520.685+/-1.279 χ^2/NDF : 770887.4/16

Left Out: 4293.734+/-2.469 χ^2/NDF : 7350.1/1

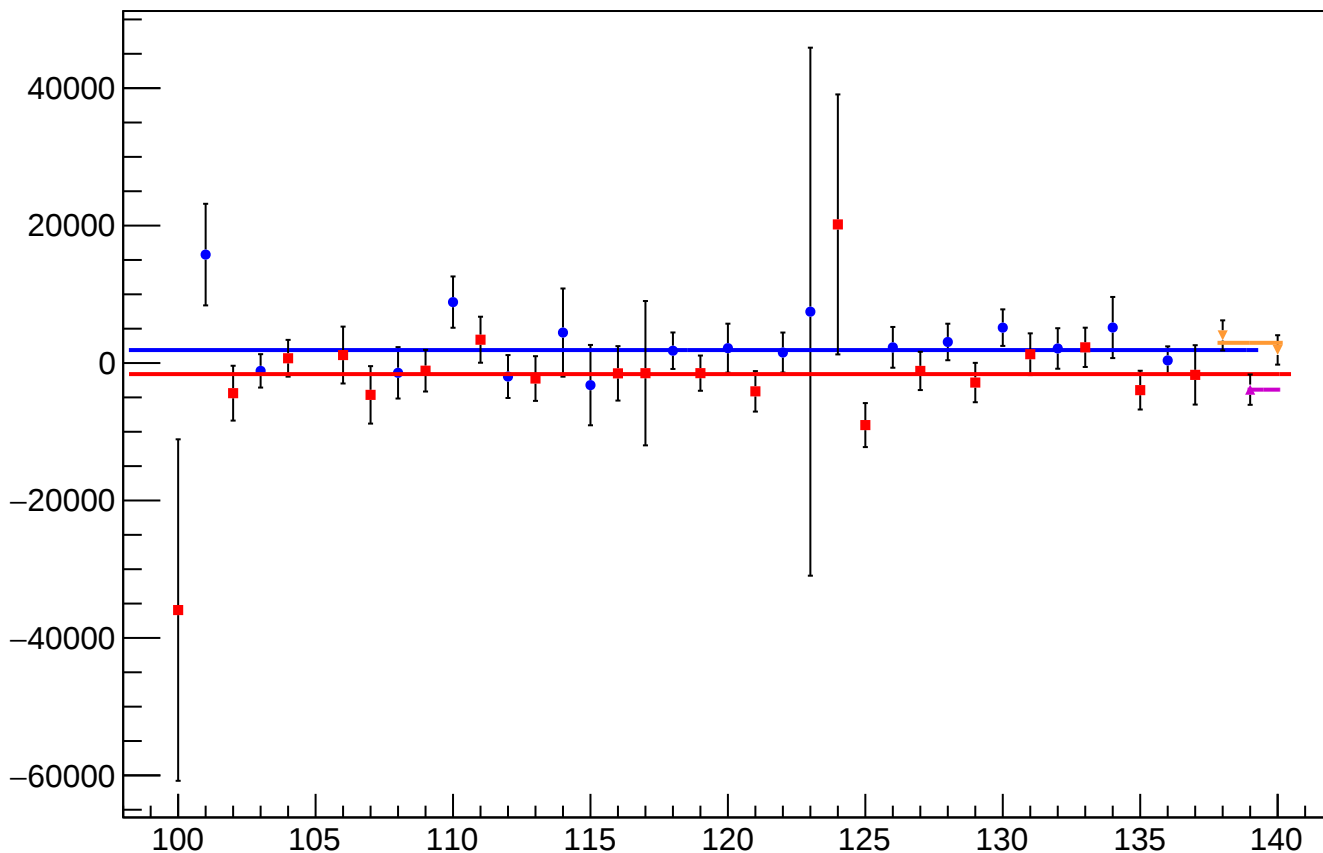
Right Out: 4302.892+/-1.187 χ^2/NDF : 781886.1/19

Left In: 4849.756+/-4.026 χ^2/NDF : 0.0/0

4472.670+/-1.136 χ^2/NDF : 784896.8/18

4346.617+/-1.139 χ^2/NDF : 798858.6/20

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 ± 783.827 χ^2/NDF : 14.7/16

Left Out: 2942.763 ± 1530.688 χ^2/NDF : 0.5/1

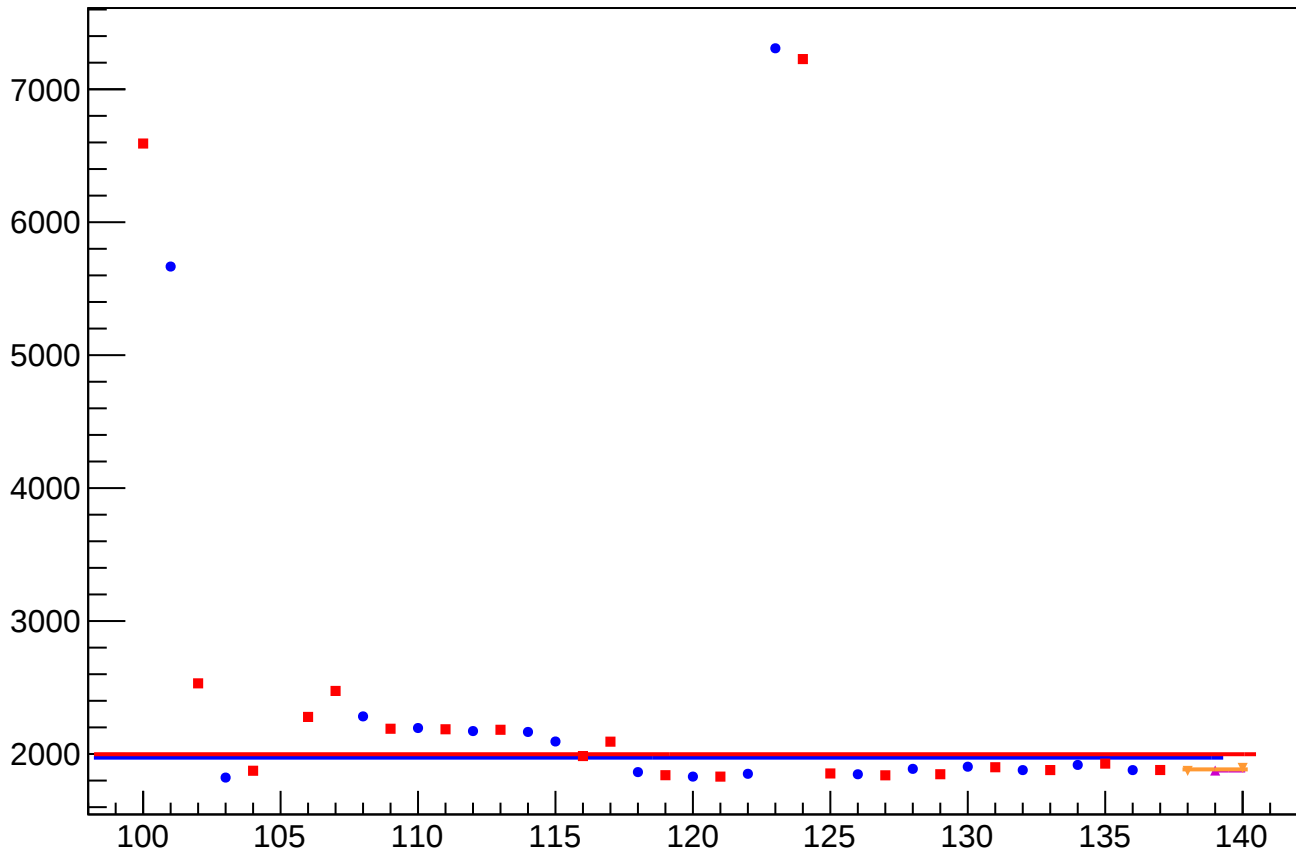
Right Out: -1609.604 ± 763.815 χ^2/NDF : 17.5/19

Left In: -3873.195 ± 2207.153 χ^2/NDF : 0.0/0

2107.055 ± 697.674 χ^2/NDF : 15.5/18

-1851.698 ± 721.814 χ^2/NDF : 18.4/20

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1884.136+/-1.082 χ^2/NDF : 109.4/1

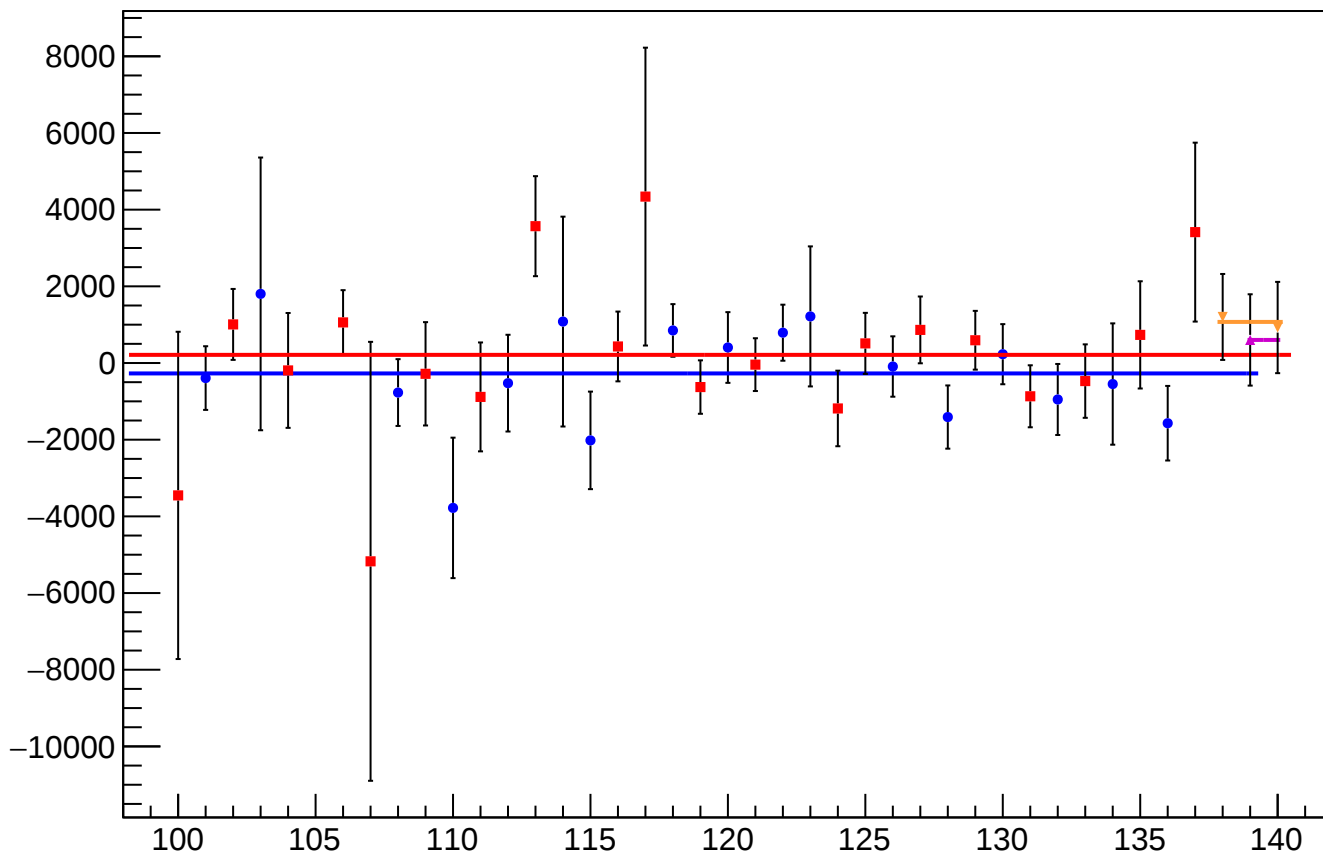
Right Out: 1998.150+/-0.540 χ^2/NDF : 355735.1/19

Left In: 1875.455+/-1.561 χ^2/NDF : 0.0/0

1954.130+/-0.493 χ^2/NDF : 606257.6/18

1985.027+/-0.510 χ^2/NDF : 361254.6/20

asym_at1_avg_correction_mean vs Slug



Right In: -271.773 ± 240.214 χ^2/NDF : 17.2/16

Left Out: 1071.928 ± 816.100 χ^2/NDF : 0.0/1

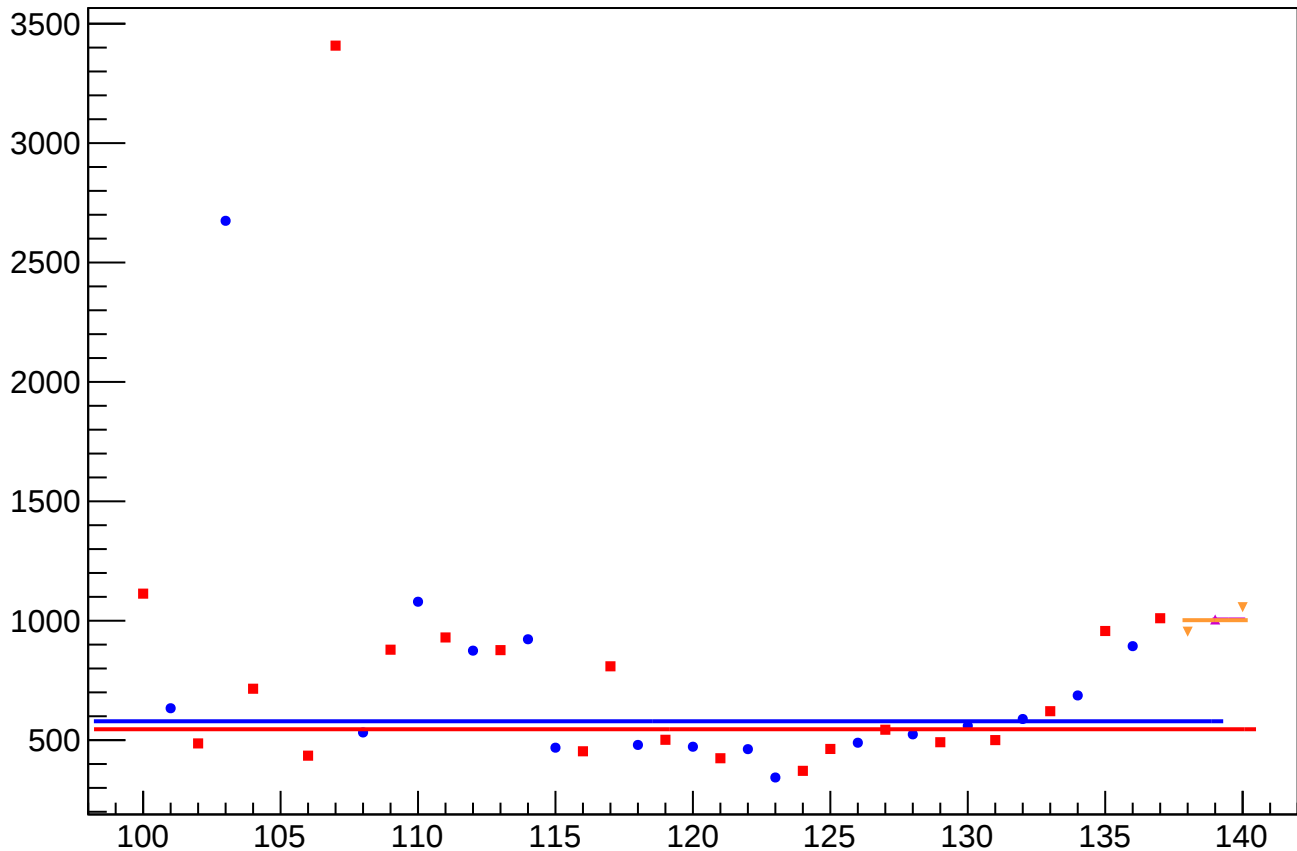
Right Out: 212.774 ± 228.638 χ^2/NDF : 20.9/19

Left In: 601.883 ± 1191.094 χ^2/NDF : 0.0/0

-164.639 ± 230.439 χ^2/NDF : 19.7/18

226.603 ± 224.539 χ^2/NDF : 21.0/20

asym_at1_avg_correction_rms vs Slug



Right In: 579.010+/-0.170 χ^2/NDF : 1422148.6/16

Left Out: 1002.309+/-0.577 χ^2/NDF : 7862.4/1

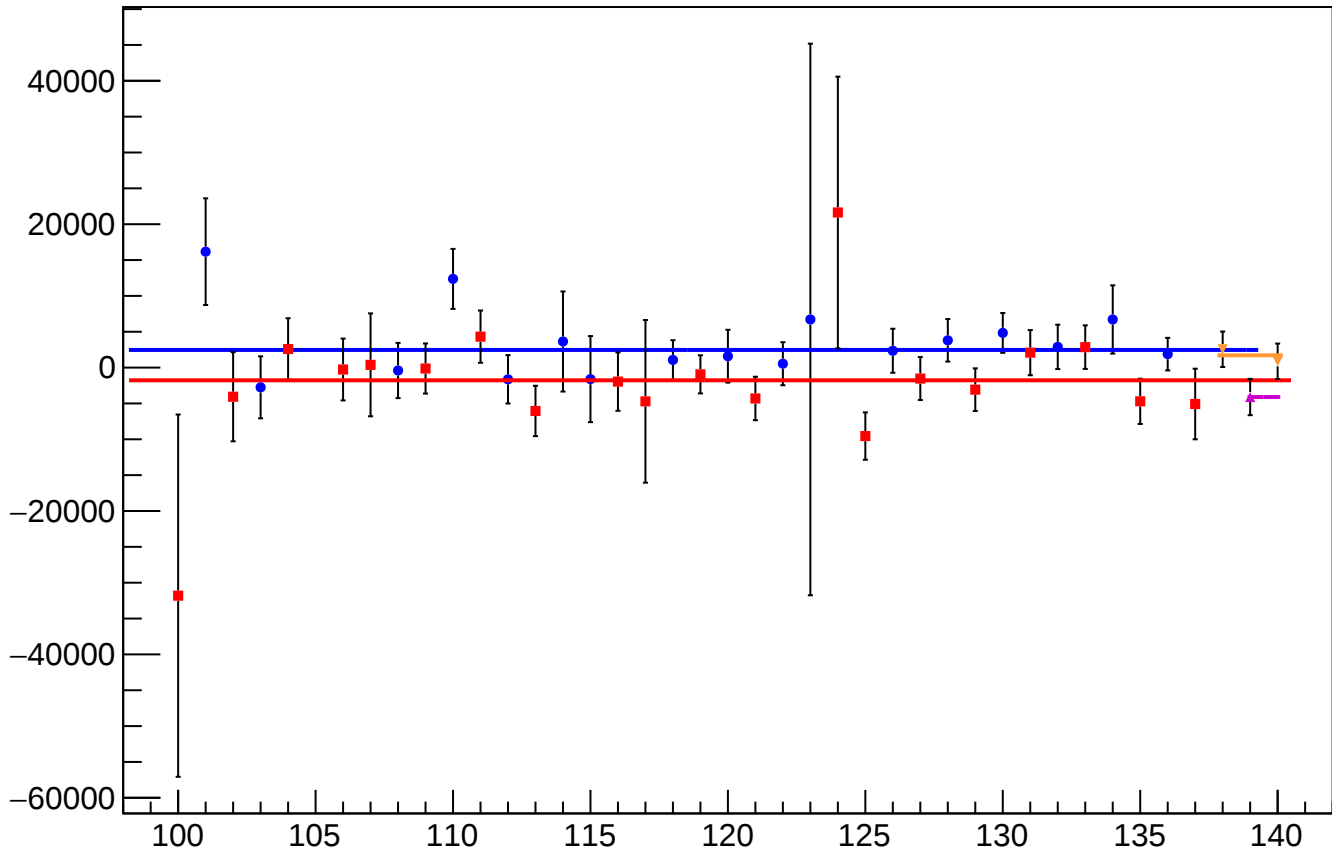
Right Out: 545.590+/-0.162 χ^2/NDF : 1467038.8/19

Left In: 1005.338+/-0.842 χ^2/NDF : 0.0/0

612.760+/-0.163 χ^2/NDF : 1925177.8/18

561.928+/-0.159 χ^2/NDF : 1754422.8/20

asym_at1_avg_mean vs Slug



Right In: 2464.076+/-863.197 χ^2/NDF : 15.5/16

Left Out: 1714.336+/-1748.506 χ^2/NDF : 0.2/1

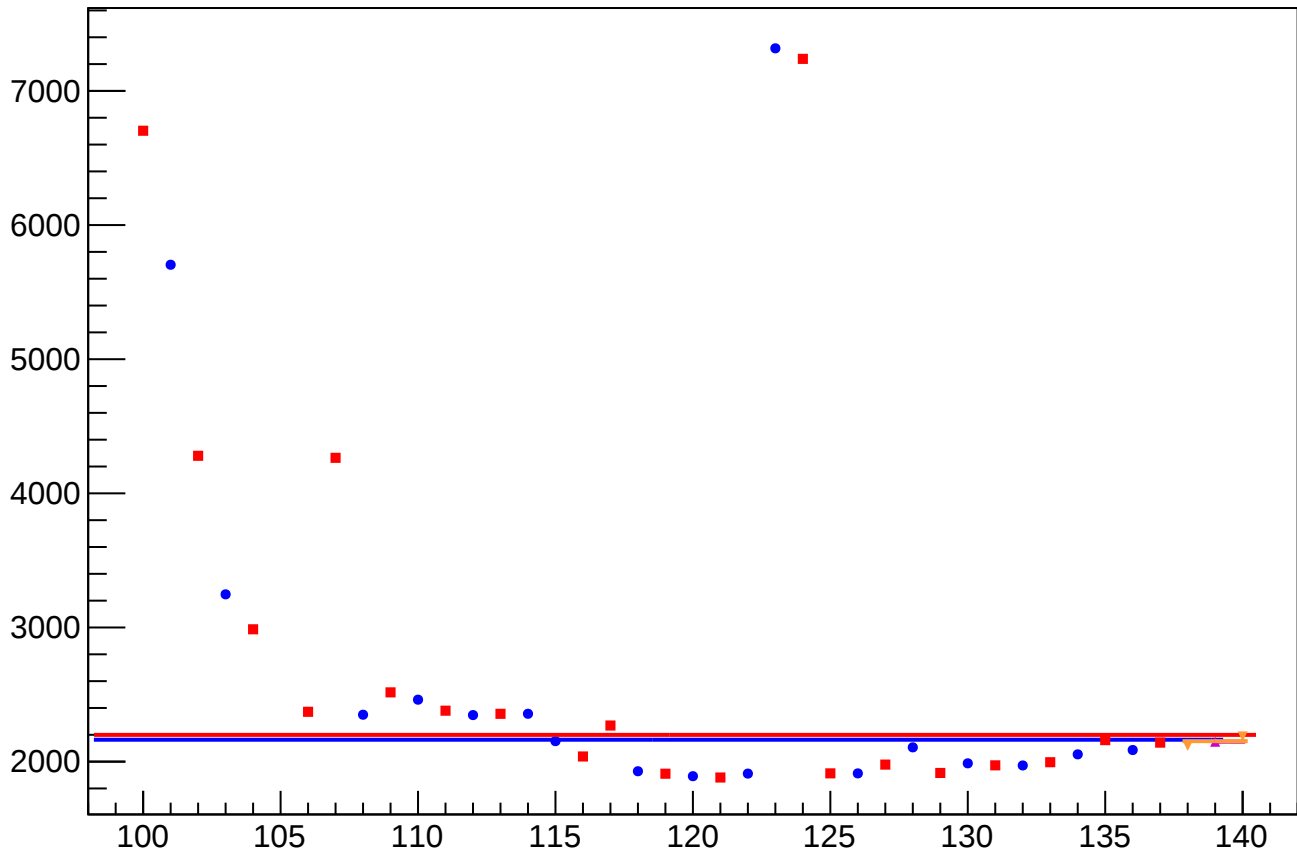
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

Left In: -4105.258+/-2530.457 χ^2/NDF : 0.0/0

2317.158+/-774.015 χ^2/NDF : 15.9/18

-2010.276+/-806.513 χ^2/NDF : 21.3/20

asym_at1_avg_rms vs Slug



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 2152.613+/-1.236 χ^2/NDF : 809.7/1

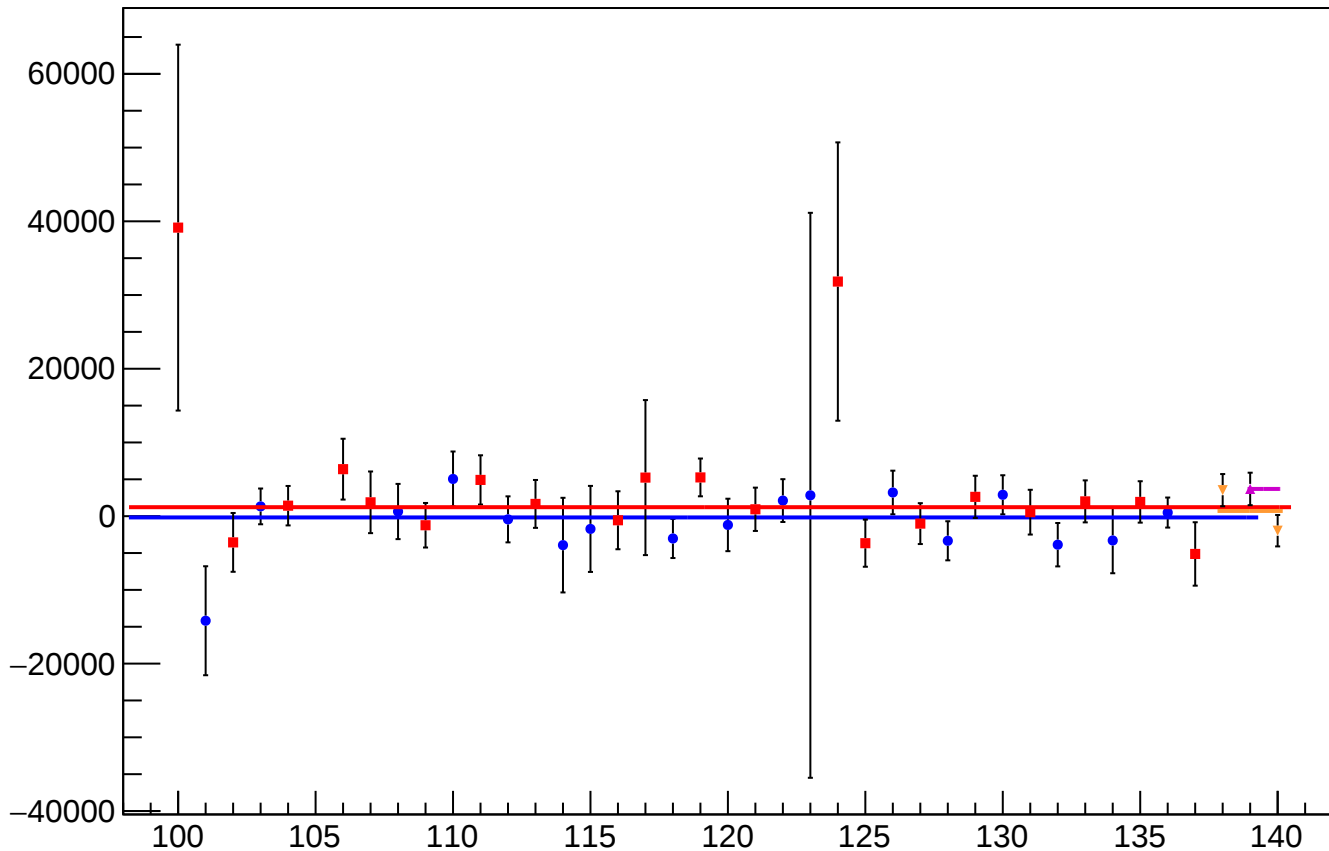
2161.208+/-0.547 χ^2/NDF : 710454.2/18

Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

2194.241+/-0.570 χ^2/NDF : 804096.4/20

Left In: 2148.638+/-1.789 χ^2/NDF : 0.0/0

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 $\chi^2/\text{NDF}: 14.5/16$

Left Out: 708.878 ± 1526.613 $\chi^2/\text{NDF}: 3.2/1$

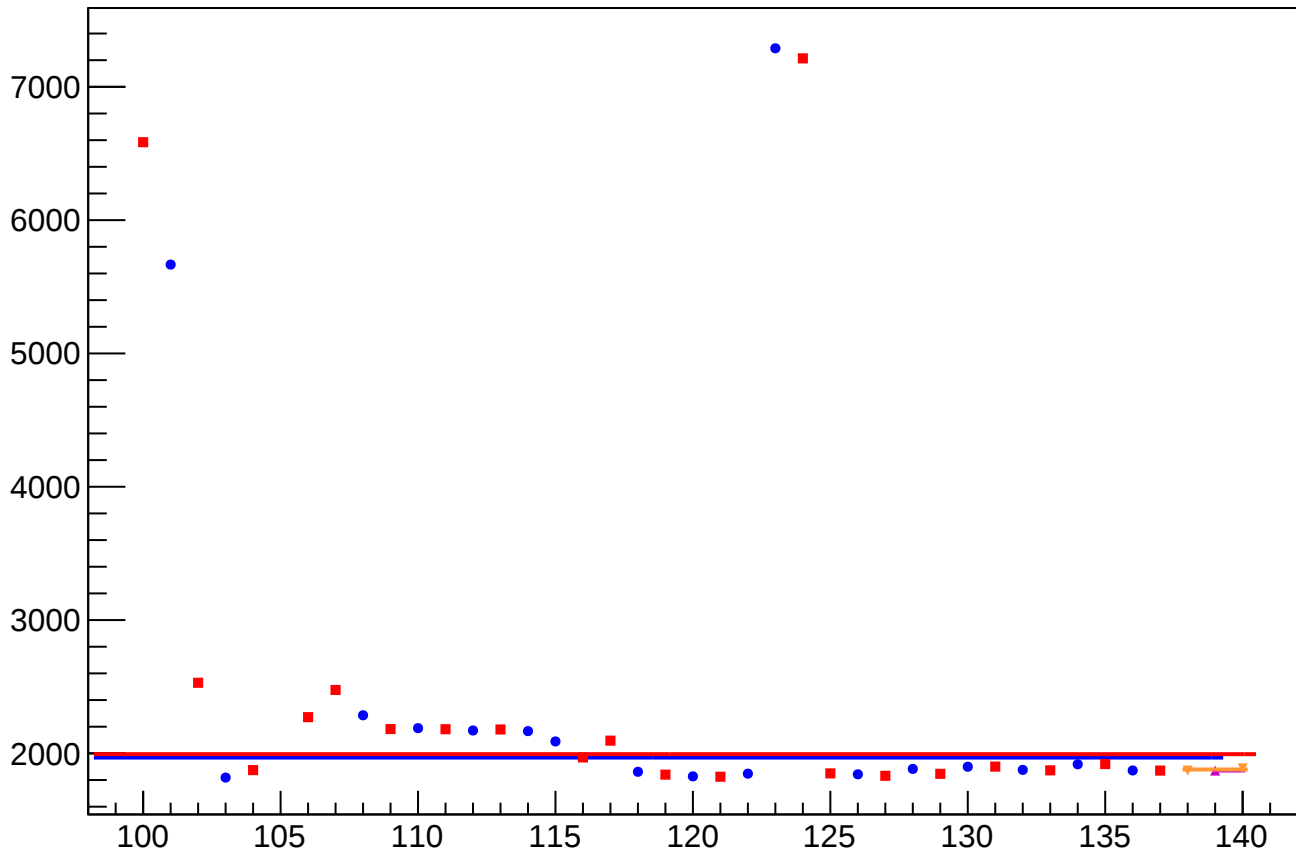
Right Out: 1218.753 ± 762.243 $\chi^2/\text{NDF}: 18.3/19$

Left In: 3695.261 ± 2202.097 $\chi^2/\text{NDF}: 0.0/0$

12.543 ± 696.271 $\chi^2/\text{NDF}: 18.0/18$

1483.729 ± 720.311 $\chi^2/\text{NDF}: 19.5/20$

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632+/-0.553 χ^2/NDF : 602972.8/16

Left Out: 1879.081+/-1.079 χ^2/NDF : 59.3/1

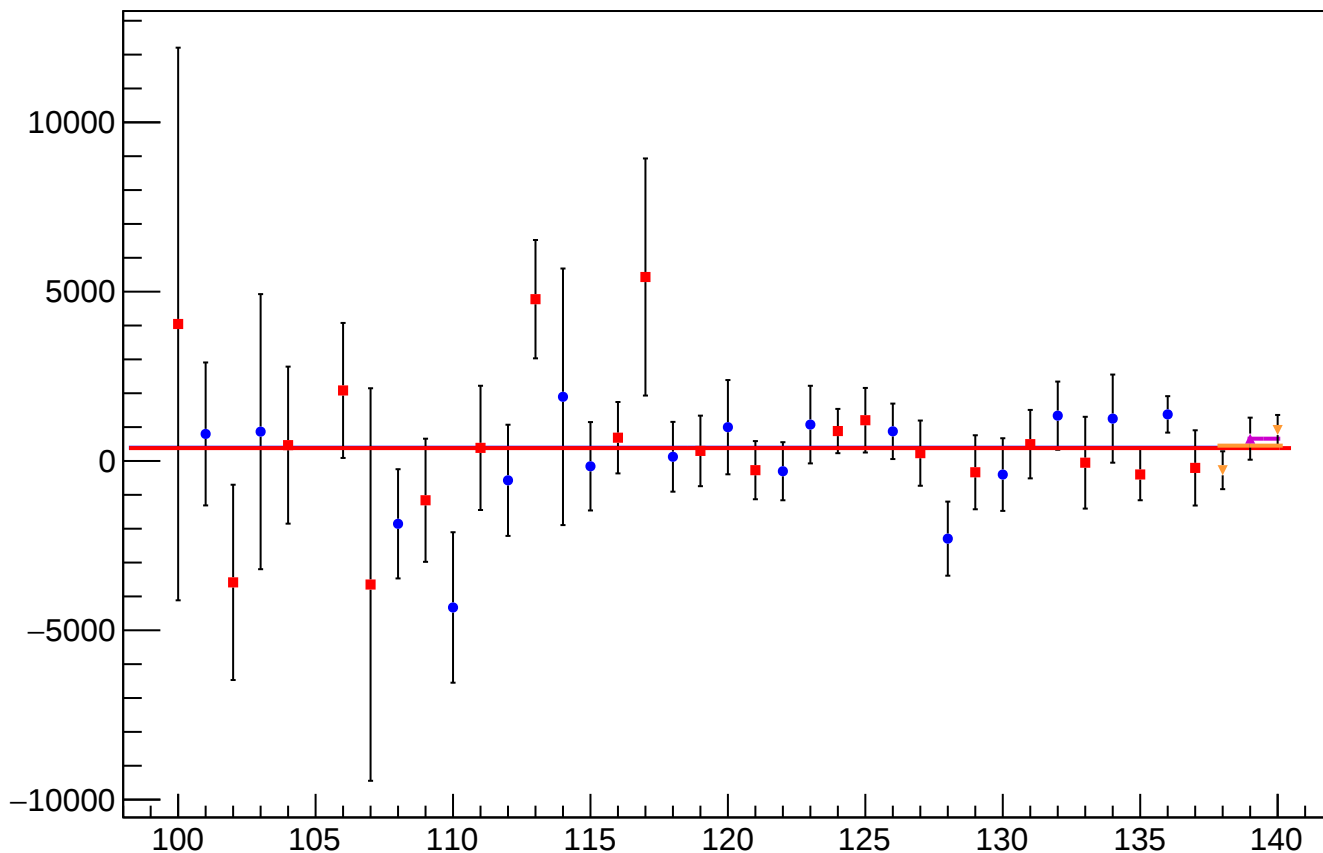
Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

Left In: 1871.213+/-1.557 χ^2/NDF : 0.0/0

1950.004+/-0.492 χ^2/NDF : 608482.6/18

1980.824+/-0.509 χ^2/NDF : 361908.6/20

asym_at1_dd_correction_mean vs Slug



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 452.903+/-348.331 χ^2/NDF : 2.8/1

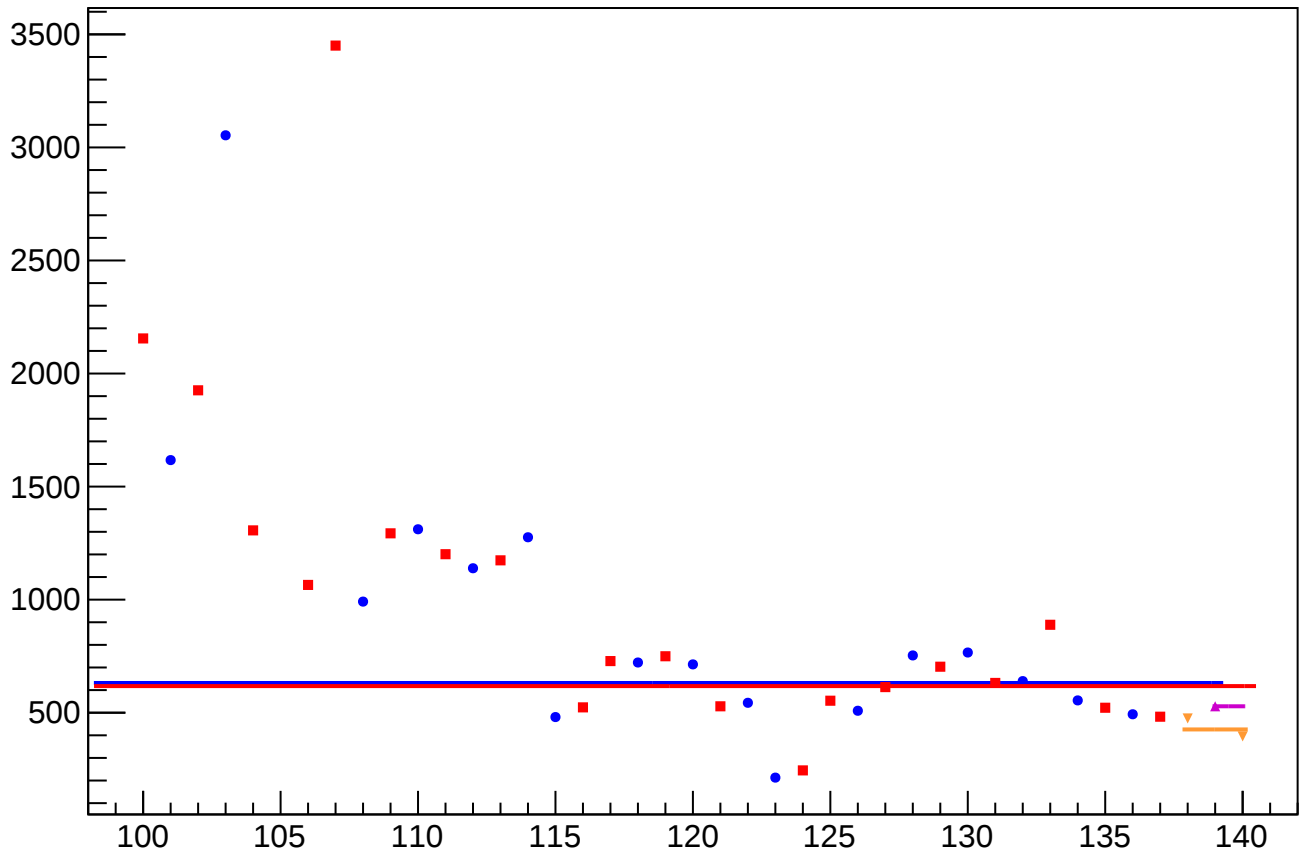
Right Out: 379.833+/-265.331 χ^2/NDF : 16.3/19

Left In: 658.462+/-621.028 χ^2/NDF : 0.0/0

414.199+/-213.462 χ^2/NDF : 22.8/18

422.842+/-243.995 χ^2/NDF : 16.5/20

asym_at1_dd_correction_rms vs Slug



Right In: 631.430+/-0.191 χ^2/NDF : 2260692.7/16

Left Out: 425.975+/-0.246 χ^2/NDF : 24740.6/1

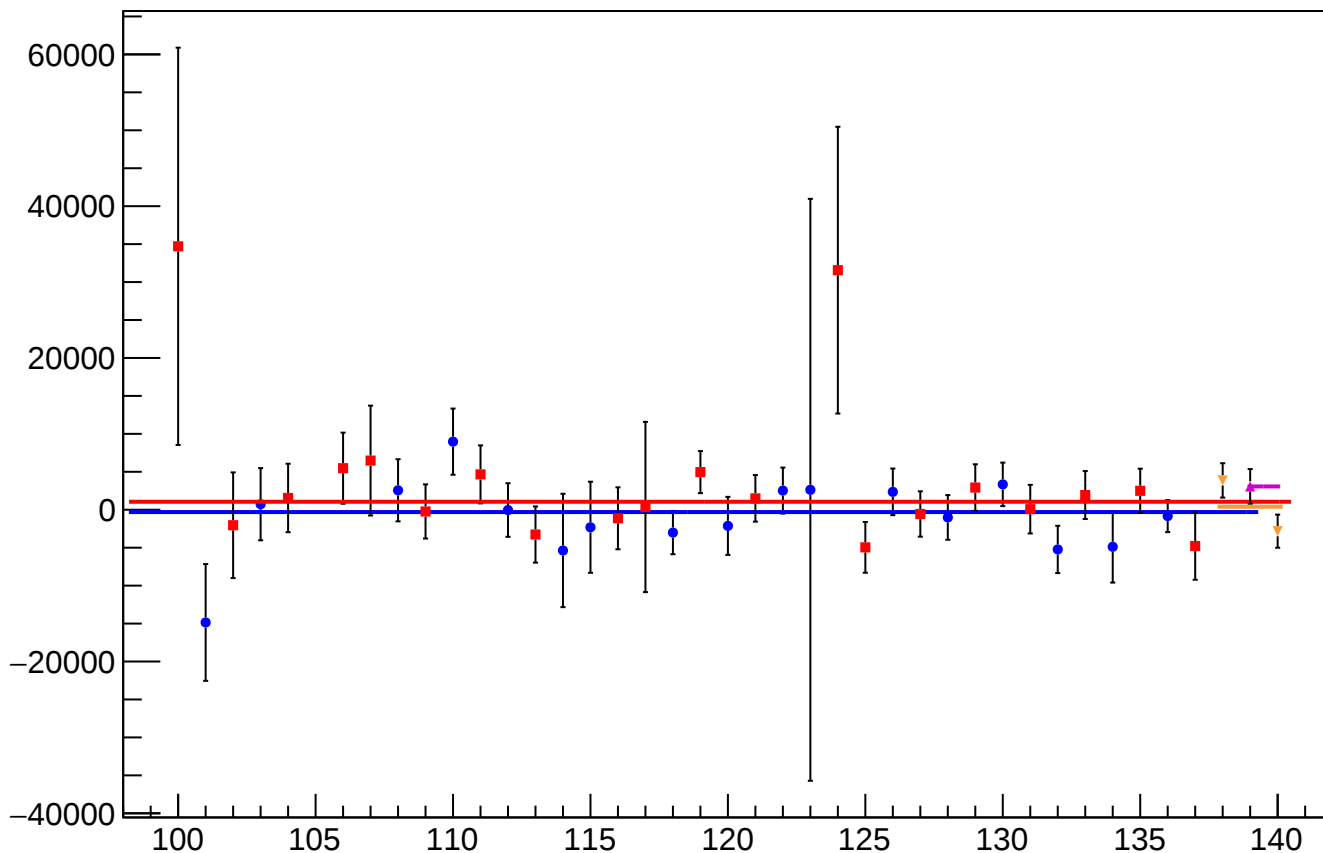
Right Out: 617.675+/-0.188 χ^2/NDF : 2804158.4/19

Left In: 528.382+/-0.439 χ^2/NDF : 0.0/0

554.273+/-0.151 χ^2/NDF : 2719922.3/18

603.891+/-0.173 χ^2/NDF : 2839122.5/20

asym_at1_dd_mean vs Slug



Right In: -305.713+/-871.922 χ^2/NDF : 17.2/16

Left Out: 396.382+/-1570.896 χ^2/NDF : 4.5/1

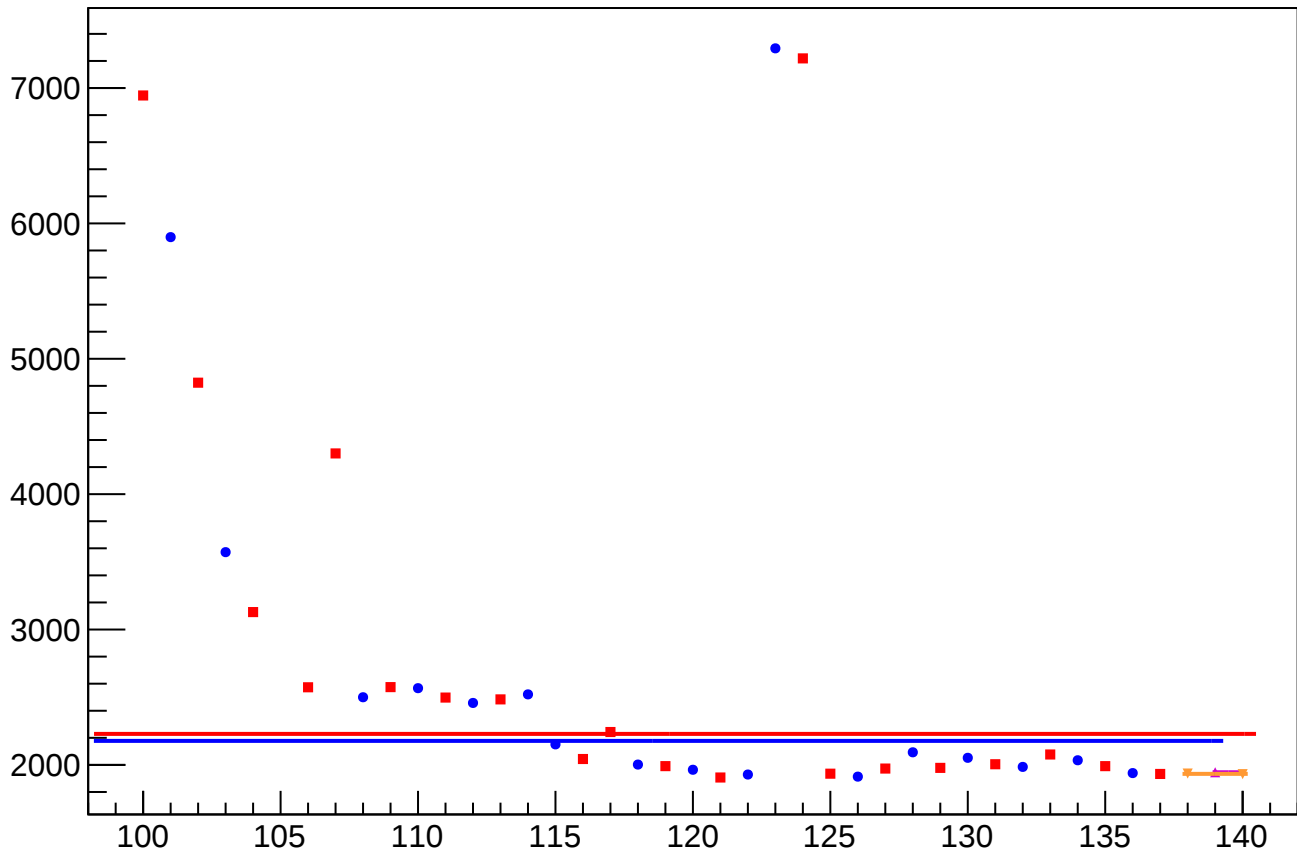
Right Out: 1052.718+/-864.863 χ^2/NDF : 16.6/19

Left In: 3070.890+/-2289.547 χ^2/NDF : 0.0/0

-140.356+/-762.361 χ^2/NDF : 21.8/18

1304.733+/-809.065 χ^2/NDF : 17.3/20

asym_at1_dd_rms vs Slug



Right In: 2177.446+/-0.617 χ^2/NDF : 802836.7/16

Left Out: 1933.868+/-1.111 χ^2/NDF : 4.1/1

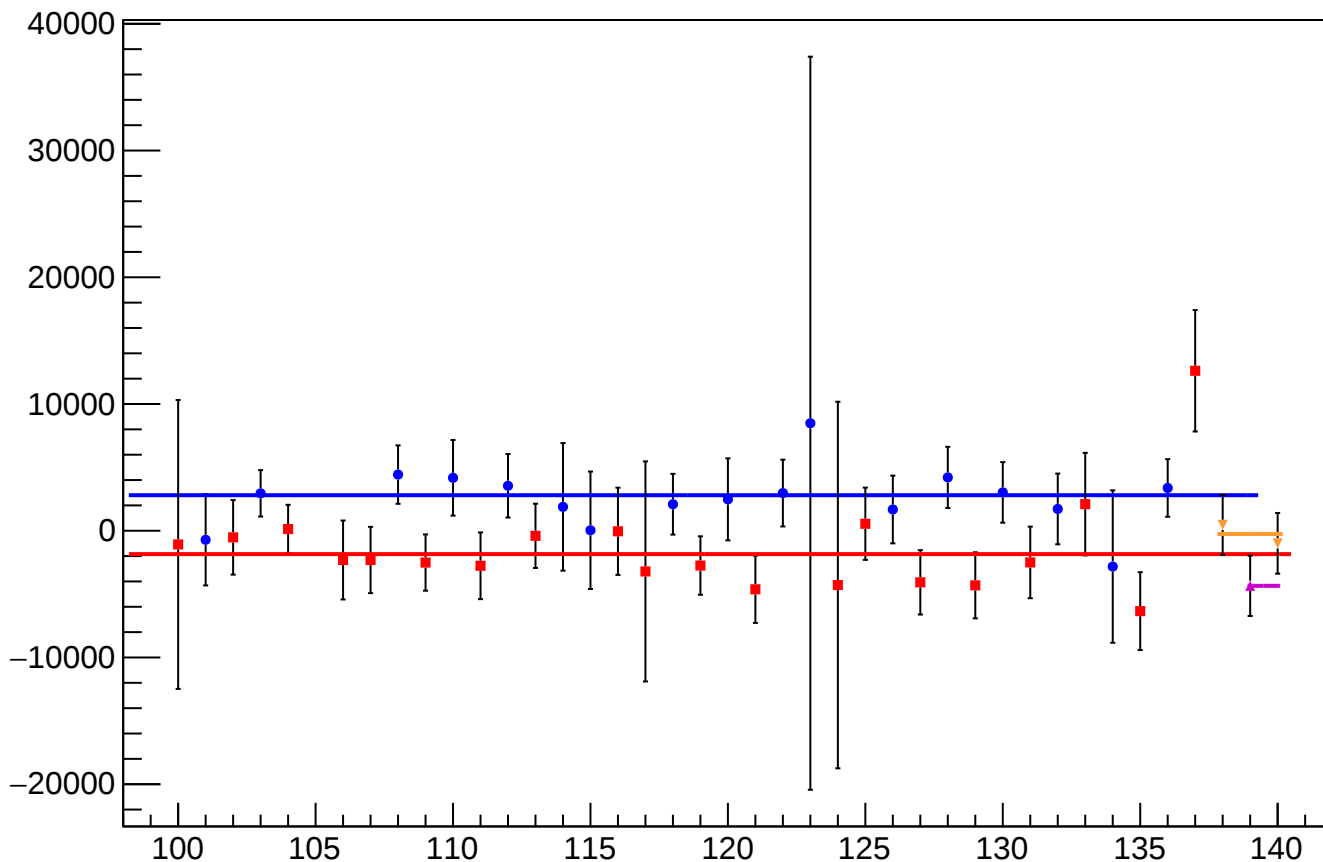
Right Out: 2229.096+/-0.612 χ^2/NDF : 895812.2/19

Left In: 1945.701+/-1.619 χ^2/NDF : 0.0/0

2120.079+/-0.539 χ^2/NDF : 839600.9/18

2193.708+/-0.572 χ^2/NDF : 922627.9/20

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917+/-678.548 χ^2/NDF : 3.9/16

Left Out: -255.876+/-1681.634 χ^2/NDF : 0.2/1

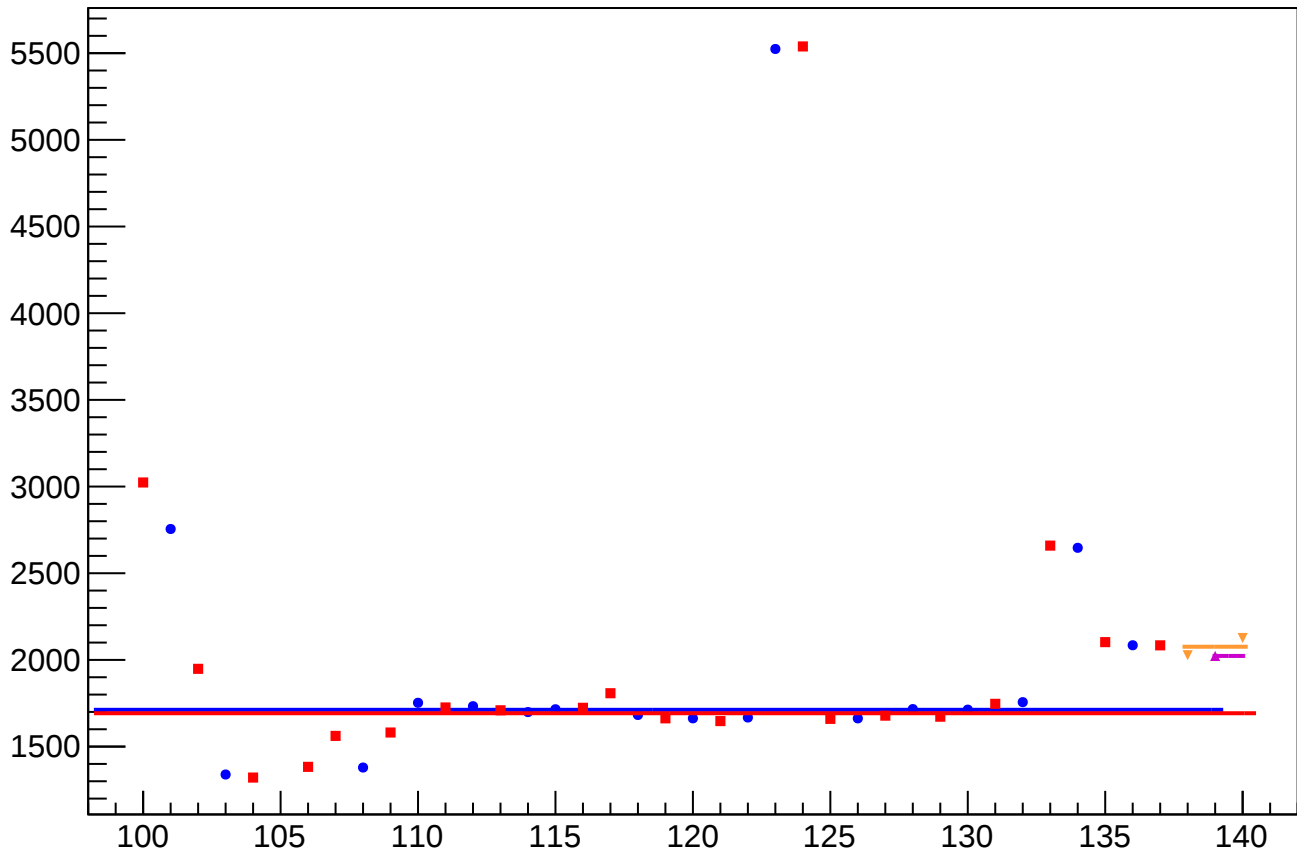
Right Out: -1844.945+/-653.448 χ^2/NDF : 18.1/19

Left In: -4346.003+/-2380.746 χ^2/NDF : 0.0/0

2375.487+/-629.253 χ^2/NDF : 6.9/18

-2020.162+/-630.143 χ^2/NDF : 19.1/20

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 2076.045+/-1.189 χ^2/NDF :1746.4/1

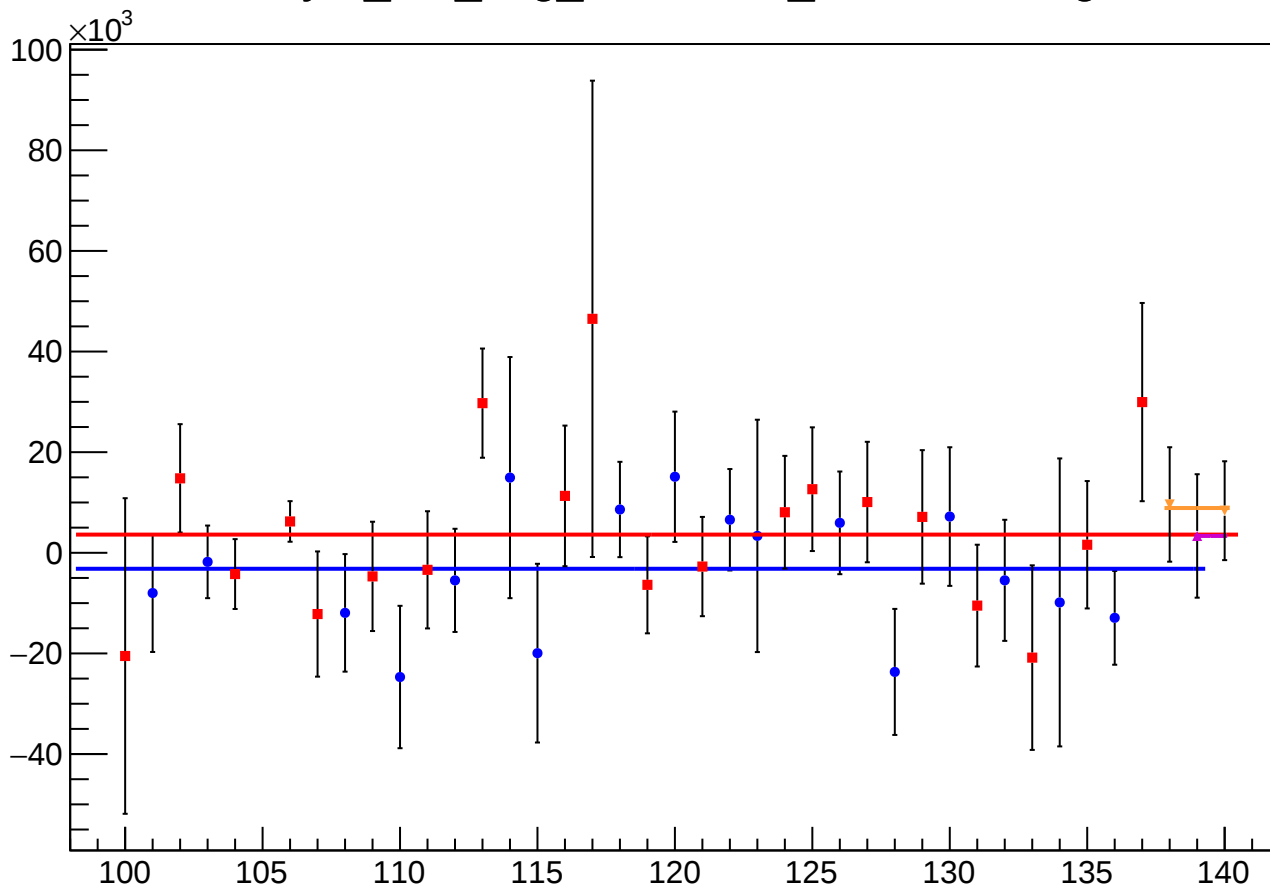
Right Out: 1692.404+/-0.462 χ^2/NDF : 455277.5/19

Left In: 2022.971+/-1.683 χ^2/NDF :0.0/0

1763.105+/-0.445 χ^2/NDF : 514762.3/18

1715.562+/-0.446 χ^2/NDF : 491135.0/20

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 $\chi^2/\text{NDF}: 14.4/16$

Left Out: 8899.319 ± 7435.005 $\chi^2/\text{NDF}: 0.0/1$

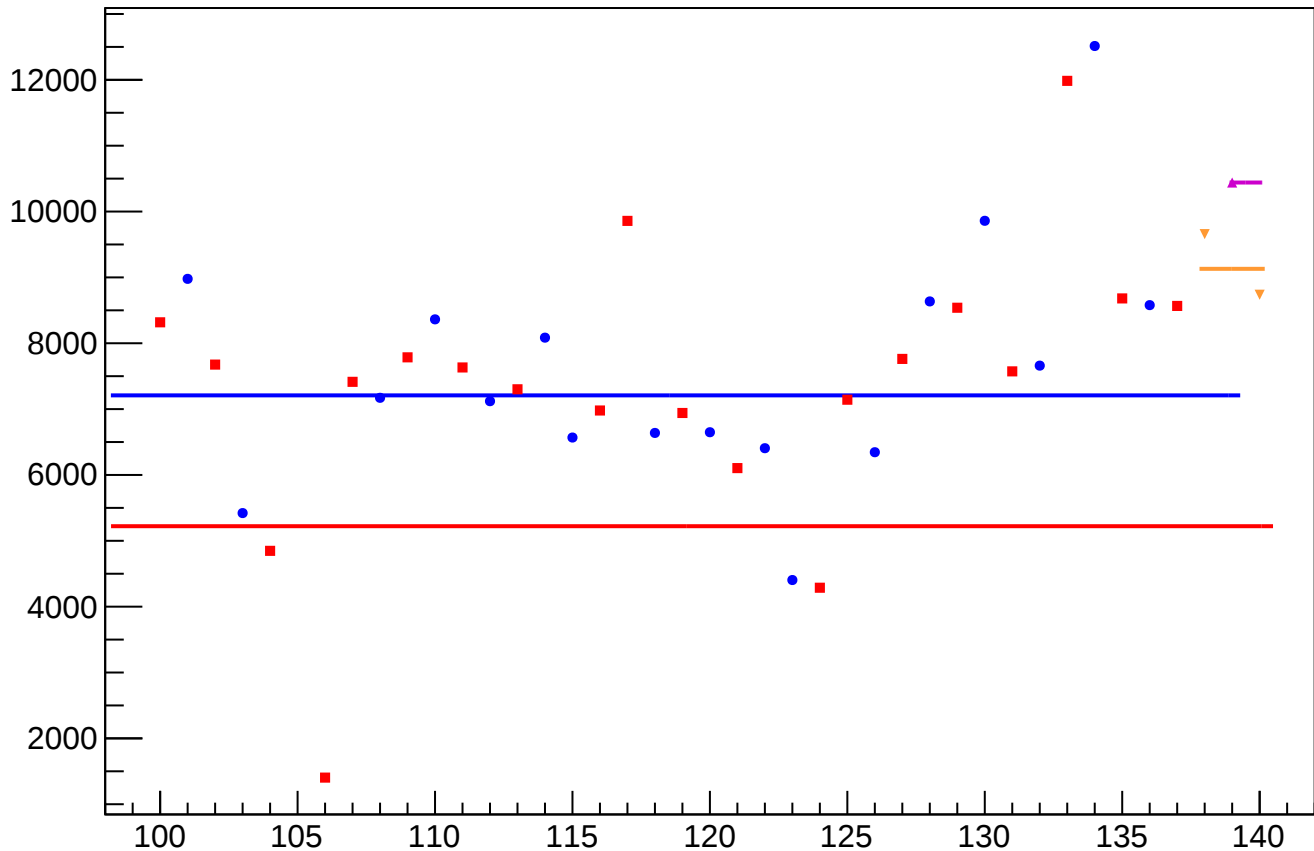
-1624.735 ± 2662.800 $\chi^2/\text{NDF}: 16.7/18$

Right Out: 3618.416 ± 2263.938 $\chi^2/\text{NDF}: 20.3/19$

3609.578 ± 2226.346 $\chi^2/\text{NDF}: 20.3/20$

Left In: 3350.045 ± 12267.962 $\chi^2/\text{NDF}: 0.0/0$

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 9130.208+/-5.257 χ^2/NDF : 7496.7/1

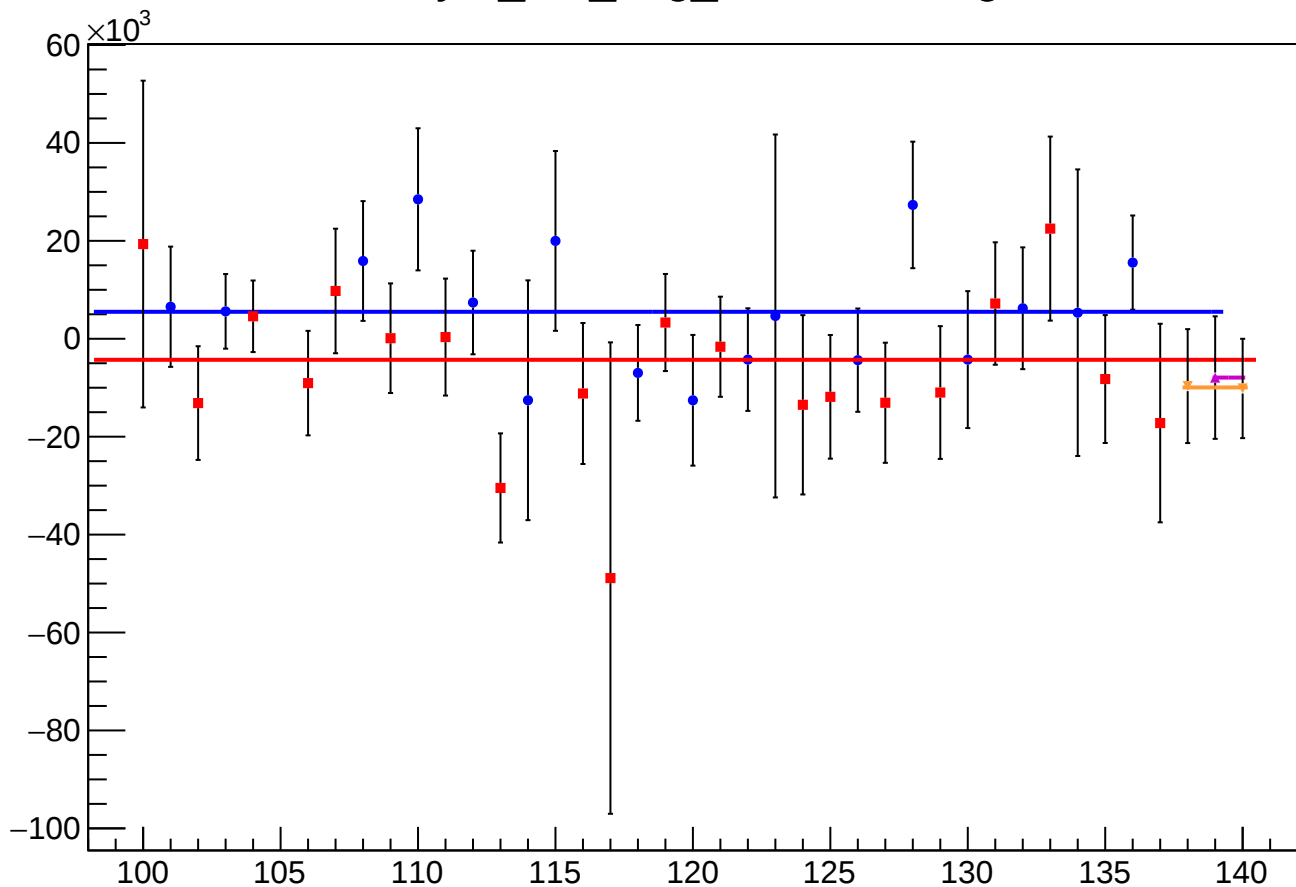
Right Out: 5221.816+/-1.601 χ^2/NDF : 3216100.5/19

Left In: 10440.672+/-8.675 χ^2/NDF : 0.0/0

7455.050+/-1.883 χ^2/NDF : 593263.7/18

5393.692+/-1.574 χ^2/NDF : 3566119.9/20

asym_at2_avg_mean vs Slug



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: -9942.653 $\pm$ 7647.280 χ^2 /NDF: 0.0/1

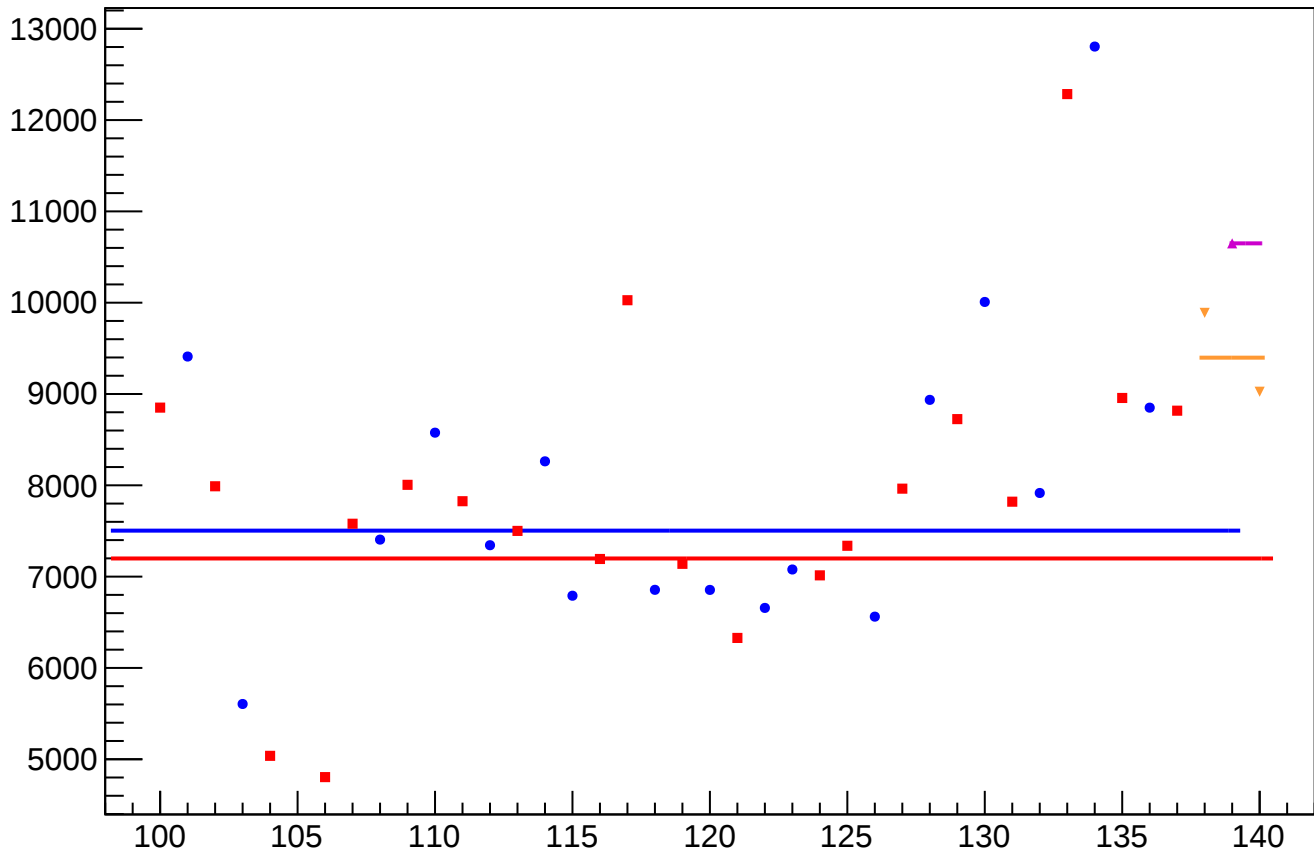
Right Out: -4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

Left In: -7929.611 $\pm$ 12513.148 χ^2 /NDF: 0.0/0

3482.949 $\pm$ 2769.373 χ^2 /NDF: 17.6/18

-4467.393 $\pm$ 2718.983 χ^2 /NDF: 16.4/20

asym_at2_avg_rms vs Slug



Right In: 7503.667+/-2.101 χ^2/NDF : 427313.5/16

Left Out: 9398.007+/-5.407 χ^2/NDF : 6261.5/1

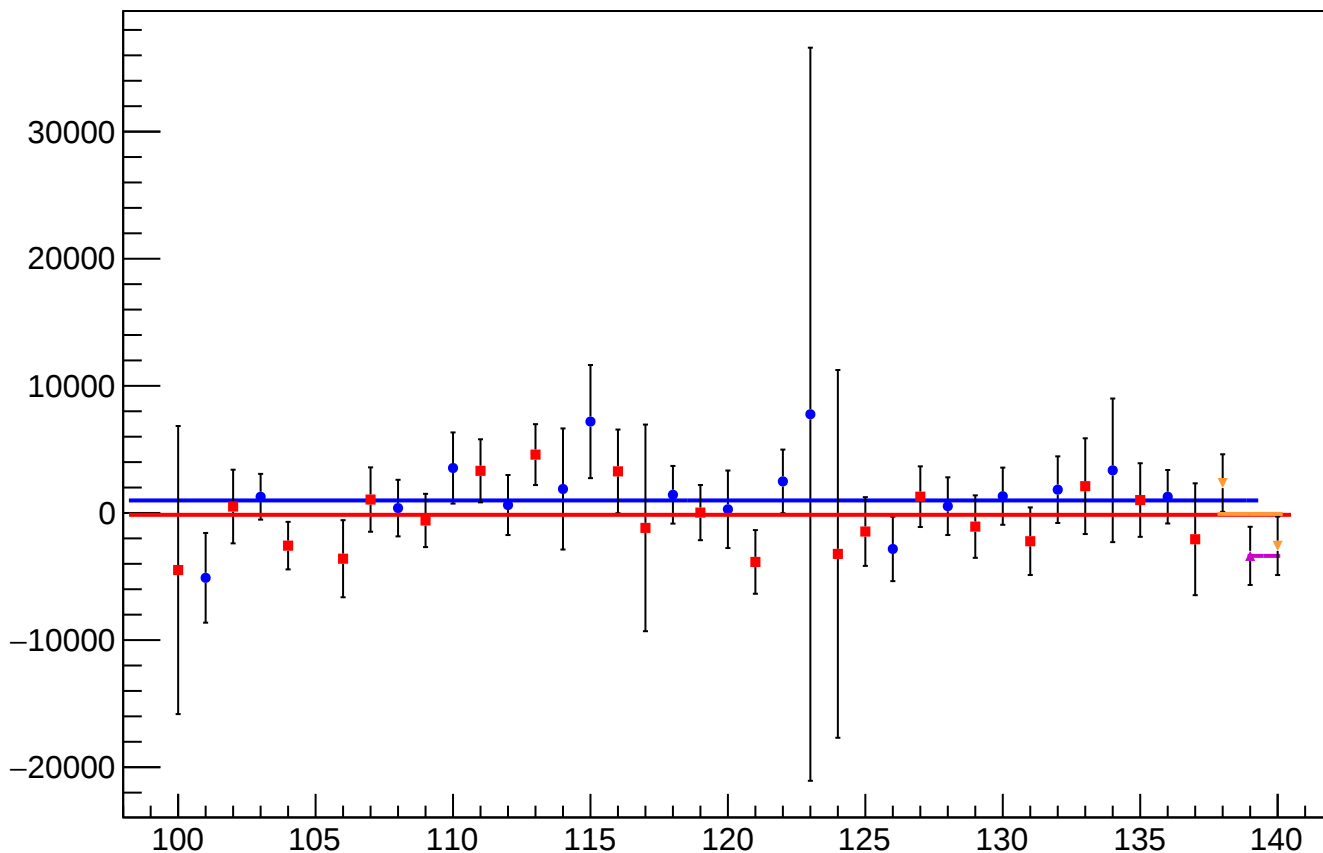
Right Out: 7198.728+/-1.969 χ^2/NDF : 564629.1/19

Left In: 10649.812+/-8.848 χ^2/NDF : 0.0/0

7752.087+/-1.958 χ^2/NDF : 540205.7/18

7361.632+/-1.922 χ^2/NDF : 709575.6/20

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 +/- 644.630 χ^2/NDF : 9.1/16

Left Out: -75.166 +/- 1612.511 χ^2/NDF : 2.3/1

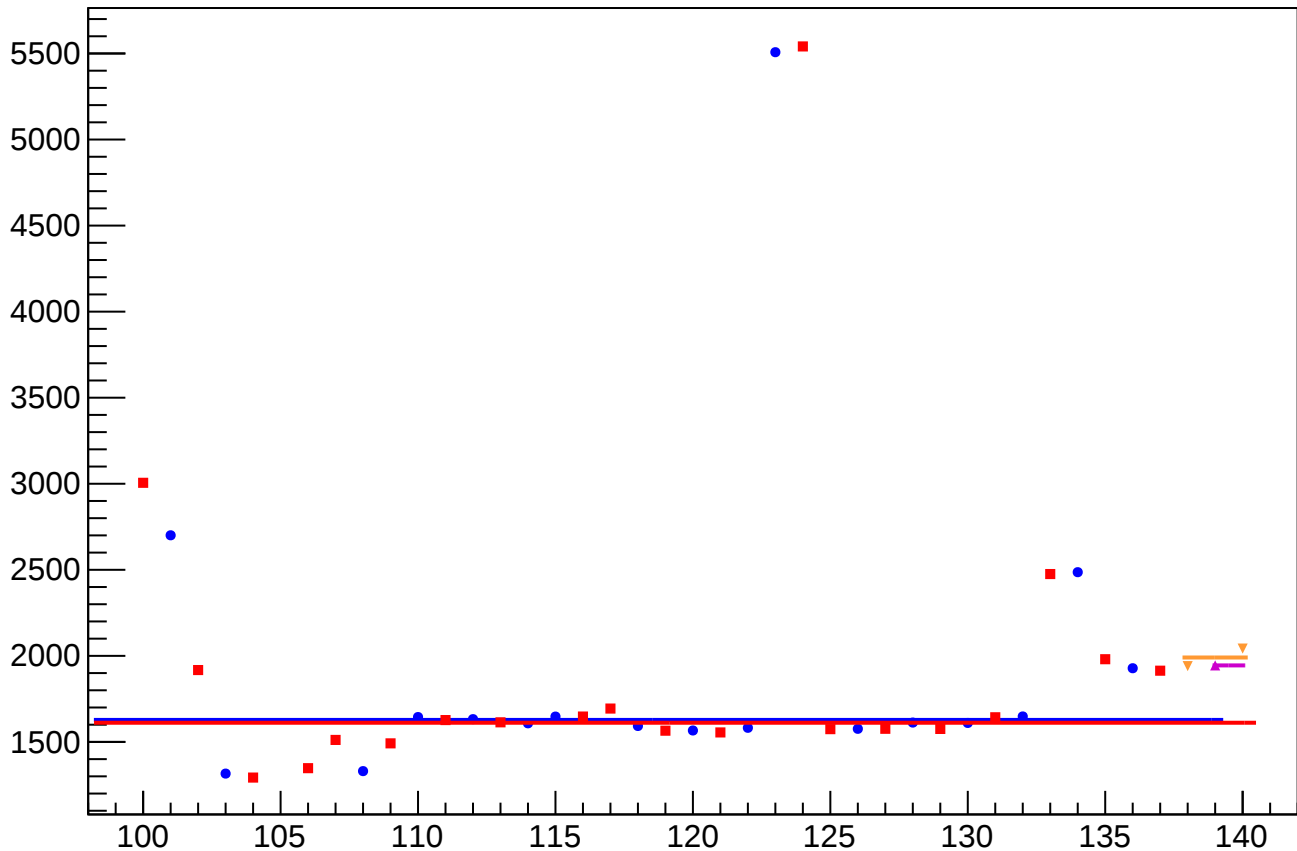
Right Out: -144.683 +/- 621.728 χ^2/NDF : 14.7/19

Left In: -3375.342 +/- 2288.464 χ^2/NDF : 0.0/0

839.306 +/- 598.572 χ^2/NDF : 11.8/18

-366.746 +/- 599.980 χ^2/NDF : 16.5/20

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1990.509 $\pm$ 1.140 χ^2 /NDF: 2001.5/1

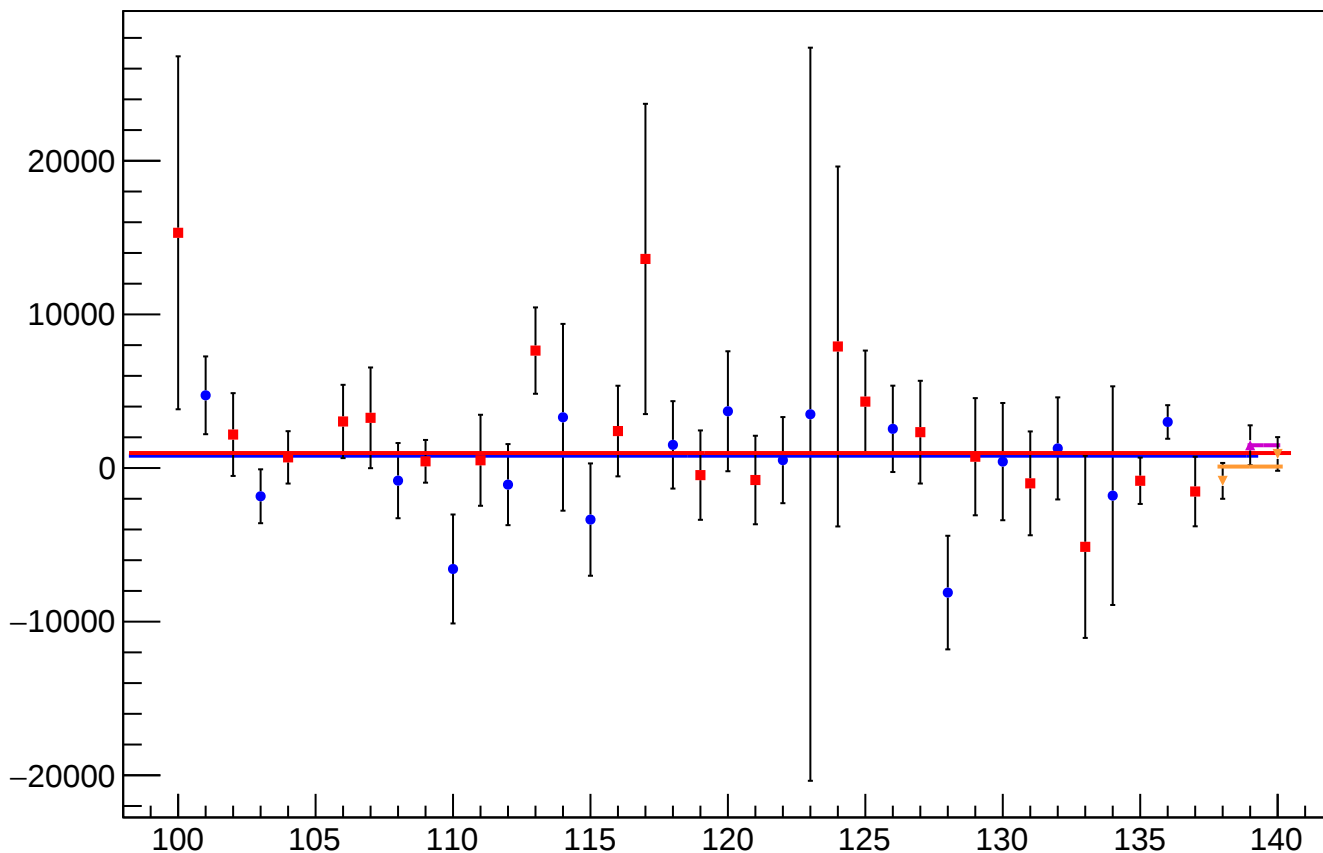
Right Out: 1611.433 $\pm$ 0.440 χ^2 /NDF: 434167.6/19

Left In: 1944.538 $\pm$ 1.618 χ^2 /NDF: 0.0/0

1677.810 $\pm$ 0.423 χ^2 /NDF: 496338.2/18

1634.330 $\pm$ 0.424 χ^2 /NDF: 473629.4/20

asym_at2_dd_correction_mean vs Slug



Right In: 803.048+/-631.676 χ^2/NDF : 22.4/16

Left Out: 95.014+/-798.854 χ^2/NDF : 1.2/1

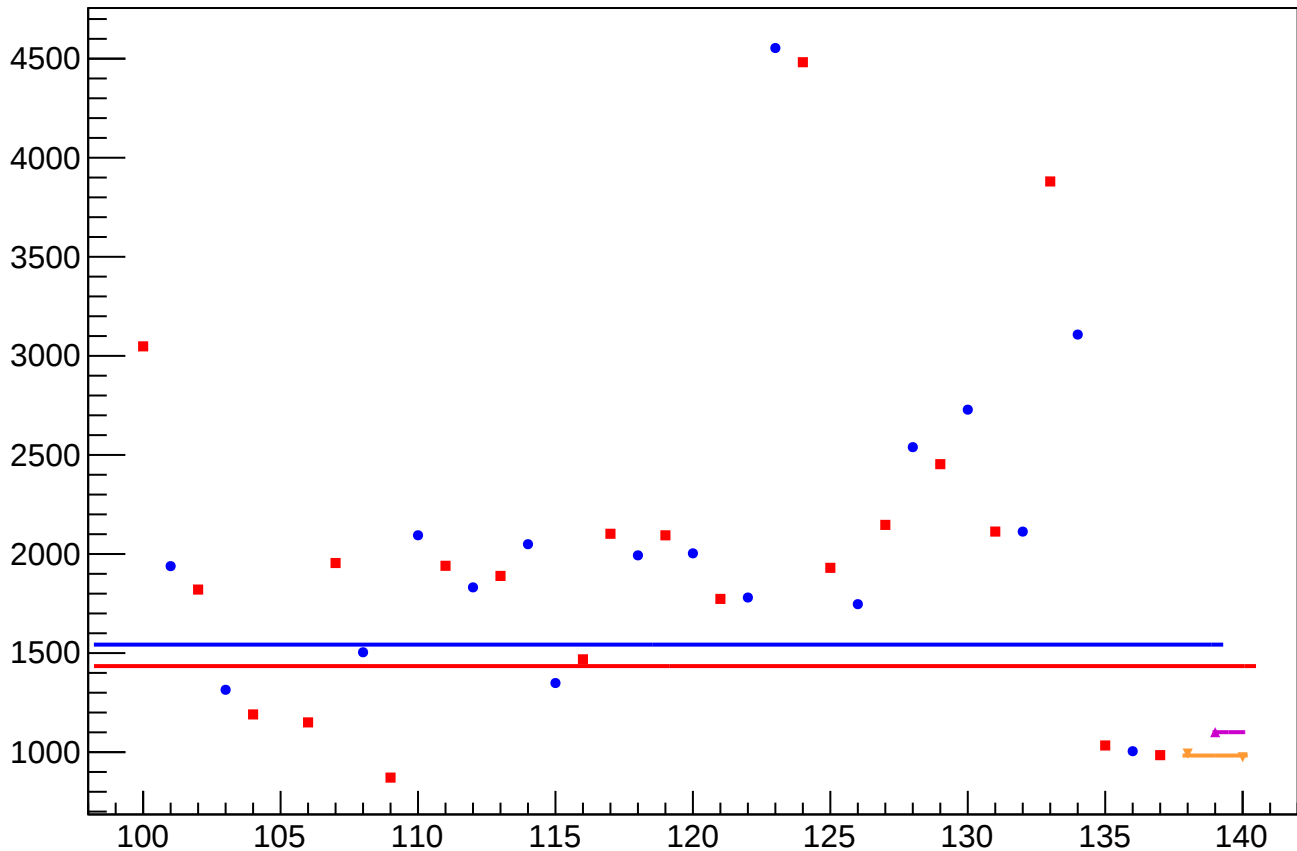
Right Out: 976.725+/-588.724 χ^2/NDF : 16.8/19

Left In: 1482.779+/-1298.090 χ^2/NDF : 0.0/0

530.660+/-495.489 χ^2/NDF : 24.1/18

1063.057+/-536.159 χ^2/NDF : 16.9/20

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705+/-0.447 χ^2/NDF : 1287946.3/16

Left Out: 982.928+/-0.565 χ^2/NDF : 277.0/1

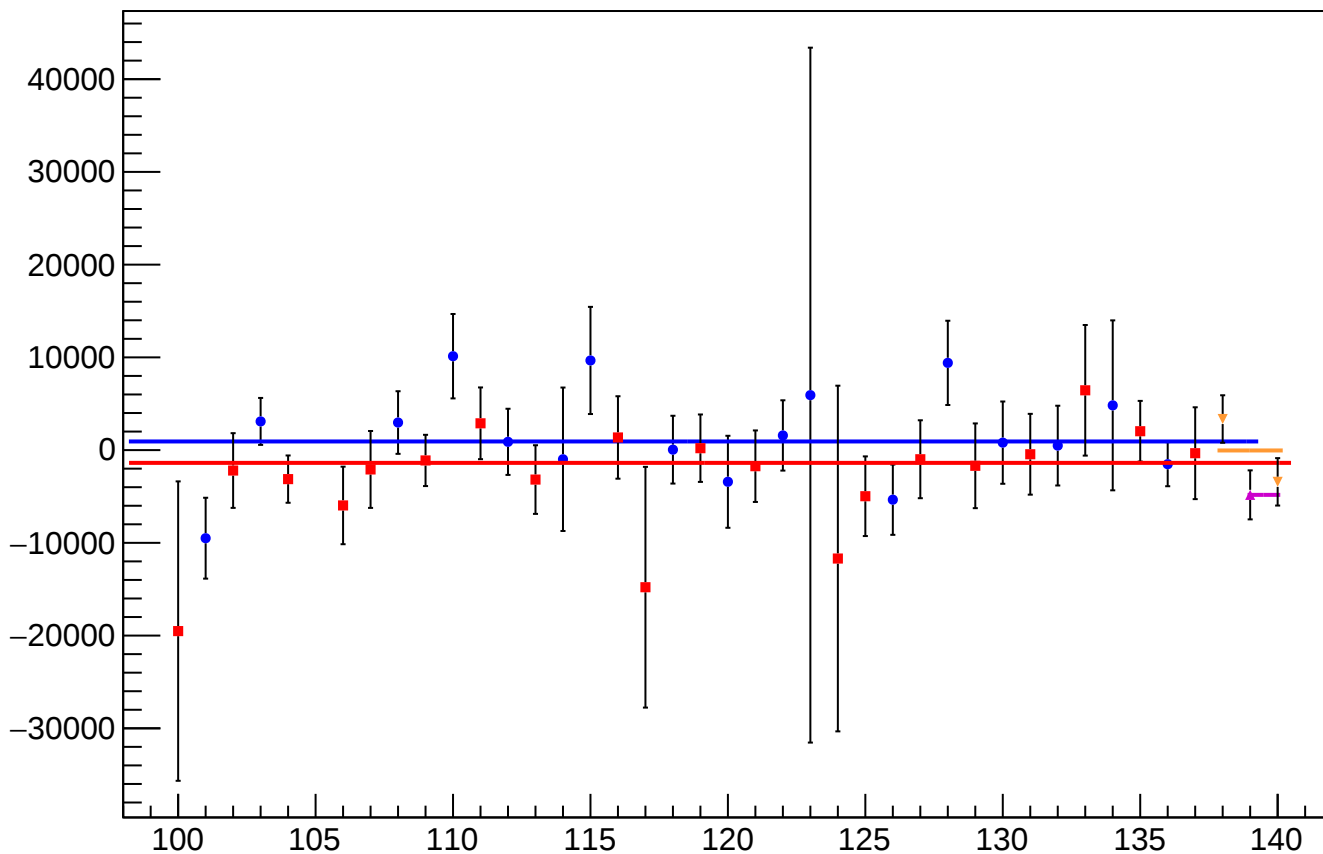
1327.353+/-0.350 χ^2/NDF : 1892456.4/18

Right Out: 1434.290+/-0.416 χ^2/NDF : 1832587.0/19

1377.397+/-0.379 χ^2/NDF : 1942071.3/20

Left In: 1100.800+/-0.918 χ^2/NDF : 0.0/0

asym_at2_dd_mean vs Slug



Right In: 932.818 $\pm$ 967.941 χ^2 /NDF: 21.6/16

Left Out: -37.697 $\pm$ 1808.937 χ^2 /NDF: 3.5/1

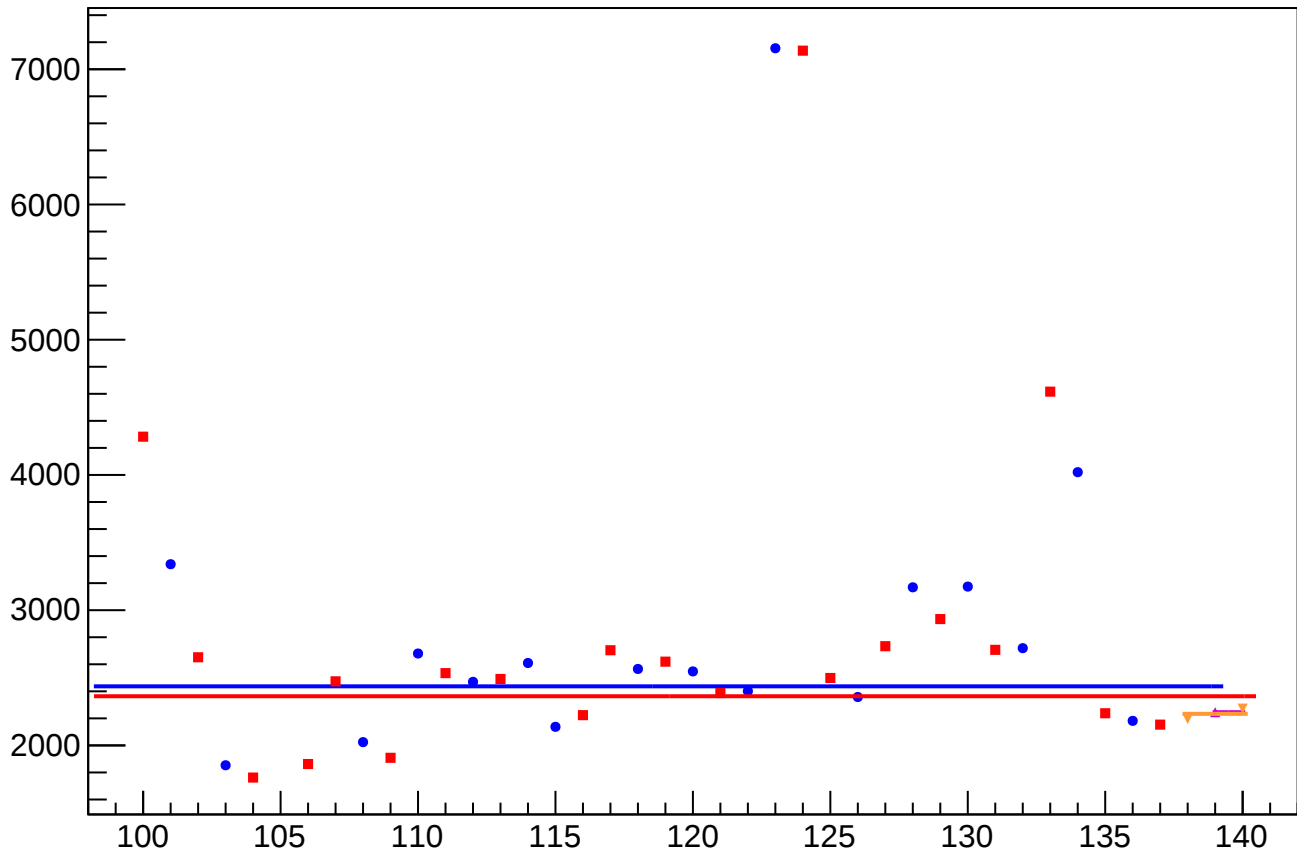
Right Out: -1375.966 $\pm$ 923.072 χ^2 /NDF: 9.6/19

Left In: -4826.757 $\pm$ 2643.077 χ^2 /NDF: 0.0/0

716.793 $\pm$ 853.443 χ^2 /NDF: 25.3/18

-1751.103 $\pm$ 871.455 χ^2 /NDF: 11.1/20

asym_at2_dd_rms vs Slug



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2233.535+/-1.279 χ^2/NDF : 914.6/1

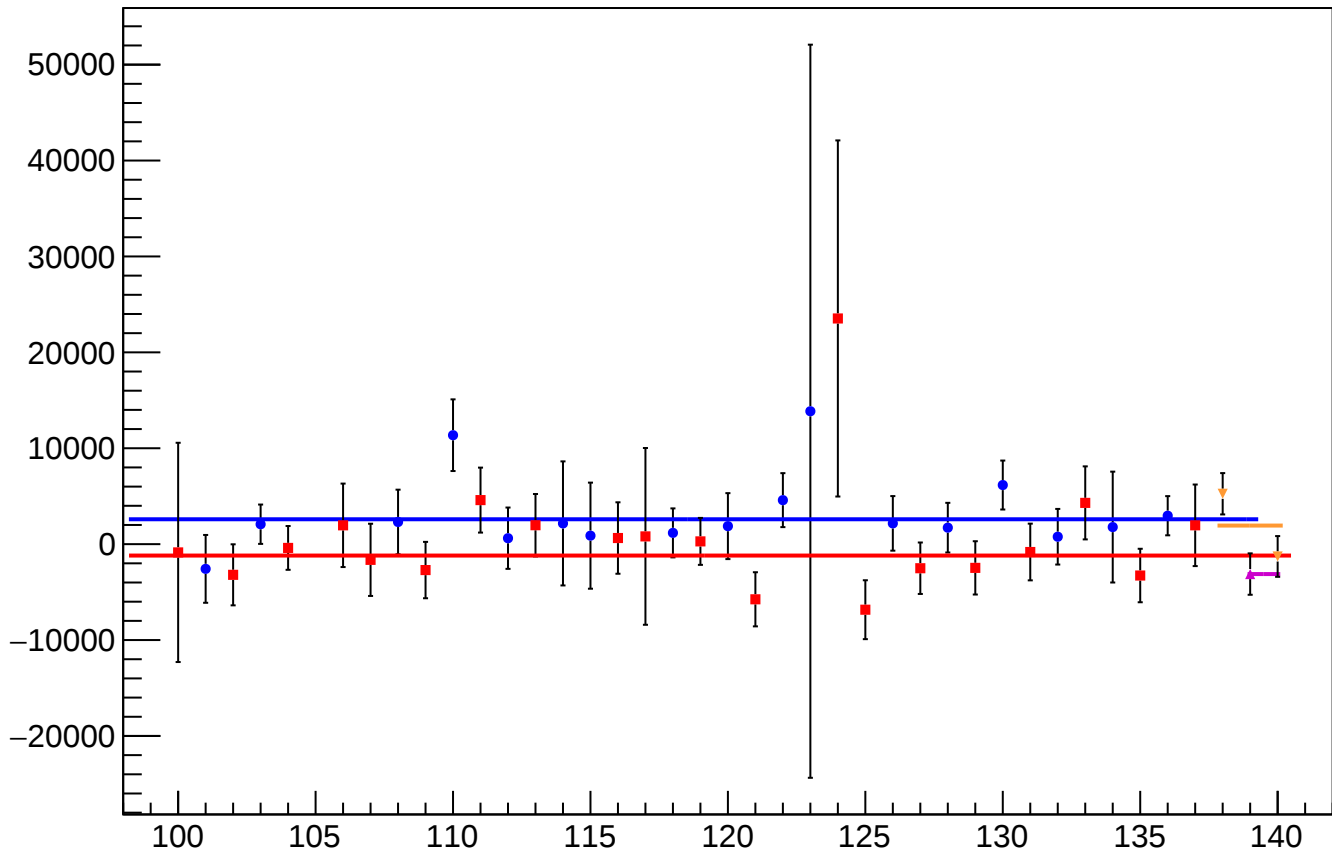
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2245.641+/-1.869 χ^2/NDF : 0.0/0

2391.599+/-0.603 χ^2/NDF : 489587.2/18

2350.785+/-0.616 χ^2/NDF : 660779.7/20

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684+/-743.000 χ^2/NDF : 11.7/16

Left Out: 1937.946+/-1513.053 χ^2/NDF : 4.7/1

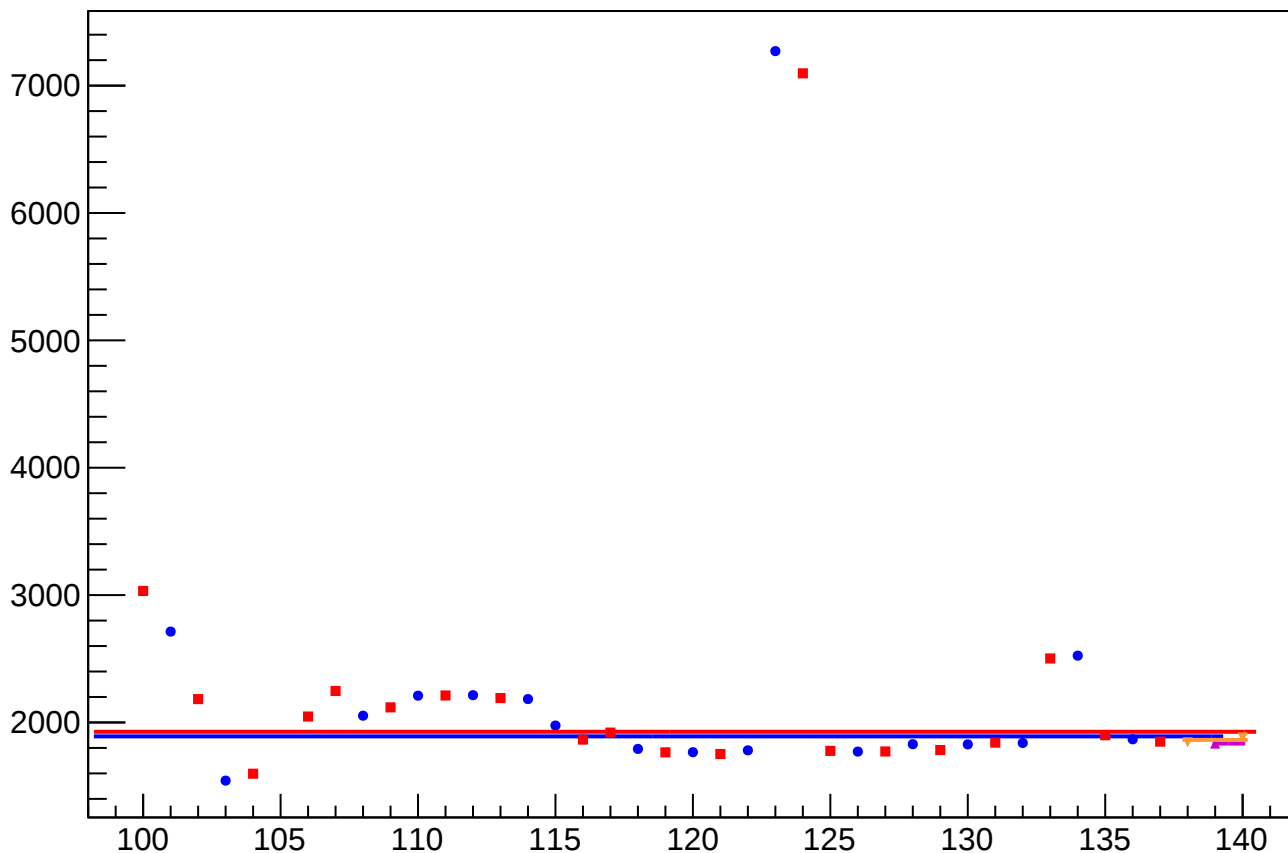
Right Out: -1189.680+/-737.247 χ^2/NDF : 17.3/19

Left In: -3119.470+/-2158.936 χ^2/NDF : 0.0/0

2467.087+/-666.927 χ^2/NDF : 16.5/18

-1391.217+/-697.689 χ^2/NDF : 18.0/20

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2 /NDF: 288944.9/16

Left Out: 1863.010+/-1.070 χ^2 /NDF:331.2/1

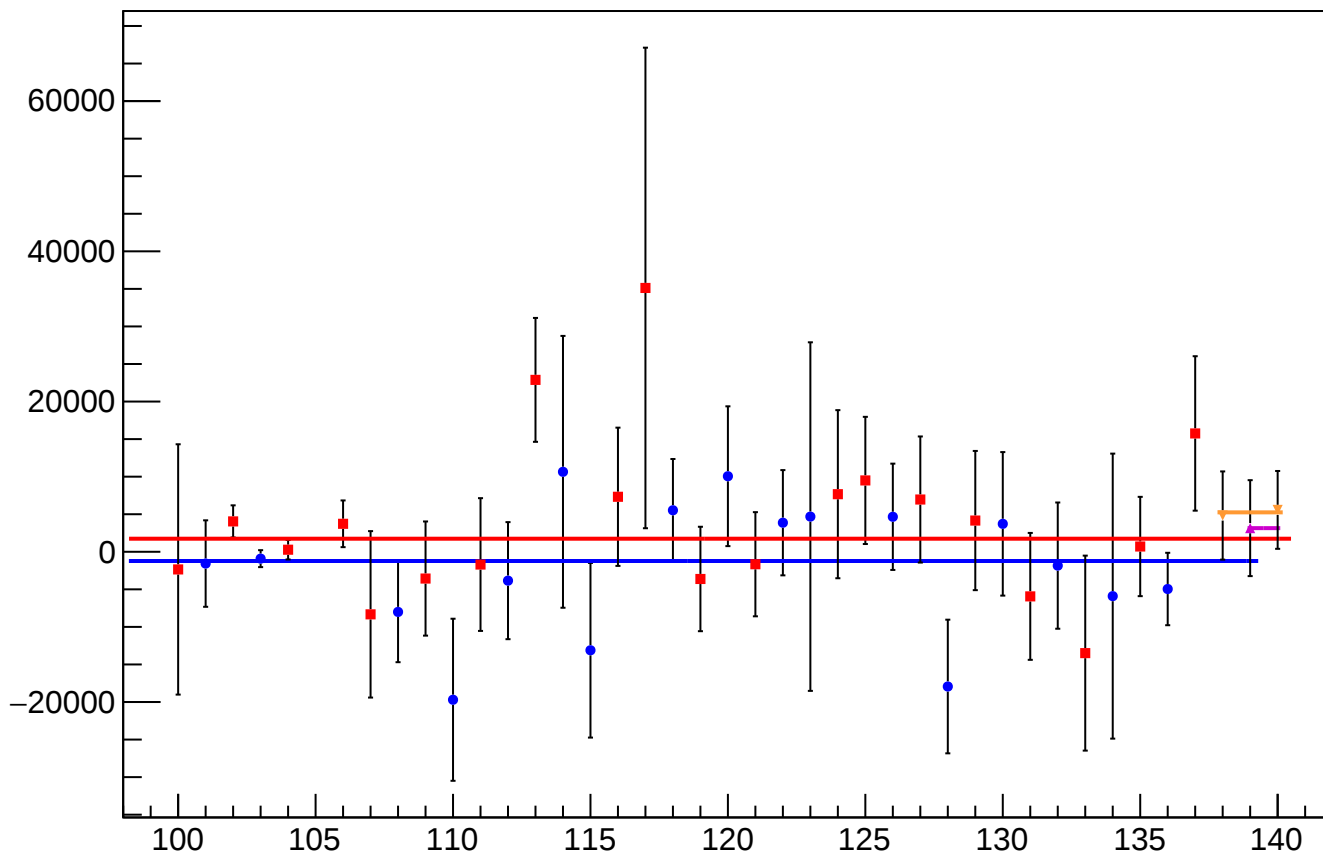
Right Out: 1926.906+/-0.520 χ^2 /NDF: 362255.6/19

Left In: 1834.321+/-1.527 χ^2 /NDF:0.0/0

1885.337+/-0.472 χ^2 /NDF: 289816.6/18

1917.264+/-0.493 χ^2 /NDF: 365550.7/20

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915+/-984.603 χ^2/NDF : 13.8/16

Left Out: 5248.016+/-3884.779 χ^2/NDF : 0.0/1

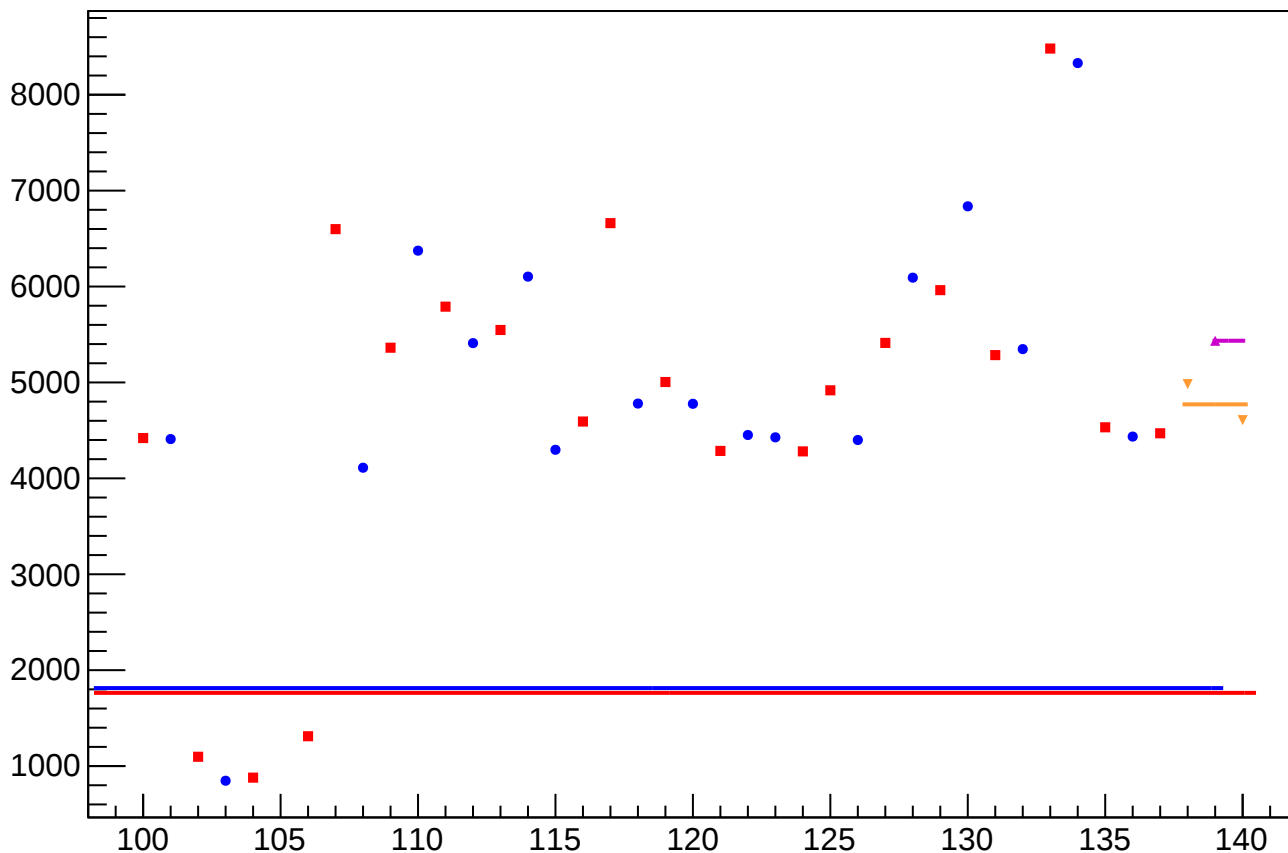
Right Out: 1740.671+/-941.173 χ^2/NDF : 18.9/19

Left In: 3147.779+/-6386.346 χ^2/NDF : 0.0/0

-836.086+/-954.425 χ^2/NDF : 16.4/18

1770.582+/-931.116 χ^2/NDF : 18.9/20

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4771.439+/-2.747 χ^2/NDF : 4622.1/1

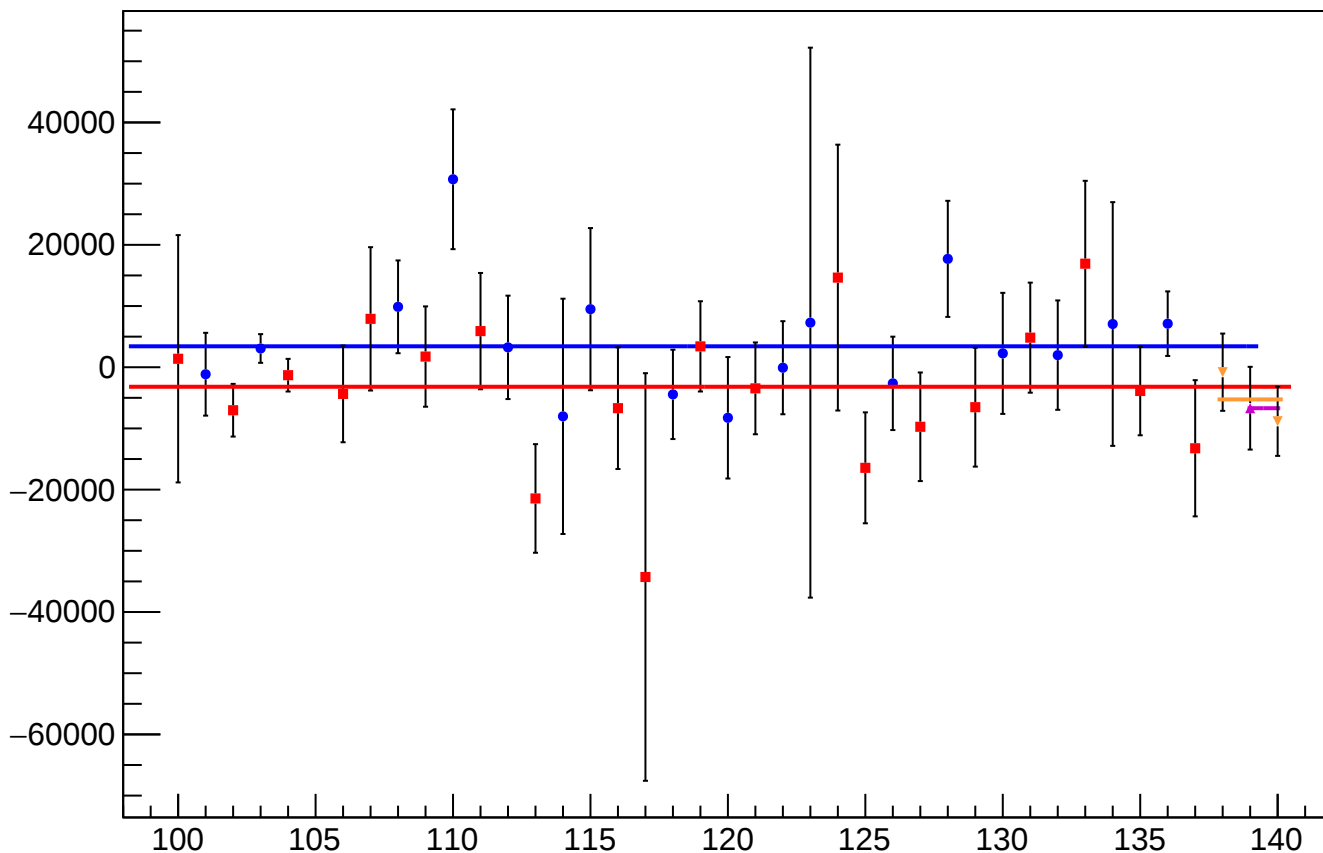
1991.756+/-0.675 χ^2/NDF : 7543410.0/18

Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

1841.422+/-0.658 χ^2/NDF : 7006925.9/20

Left In: 5434.785+/-4.516 χ^2/NDF : 0.0/0

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -5258.551+/-4212.119 χ^2/NDF : 0.9/1

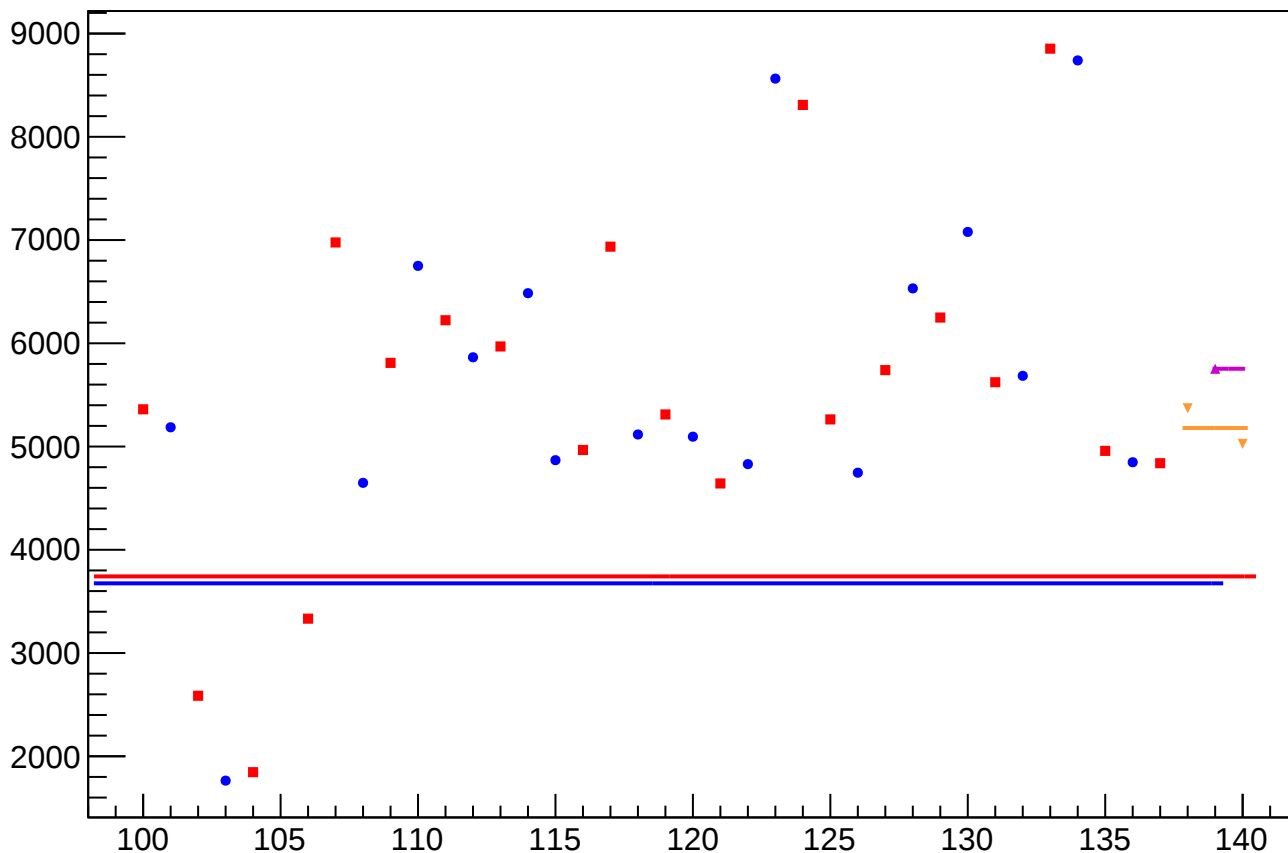
Right Out: -3190.143+/-1604.066 χ^2/NDF : 16.9/19

Left In: -6695.677+/-6761.846 χ^2/NDF : 0.0/0

2318.780+/-1501.176 χ^2/NDF : 18.3/18

-3376.906+/-1560.752 χ^2/NDF : 17.1/20

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5179.493+/-2.978 χ^2/NDF : 3301.5/1

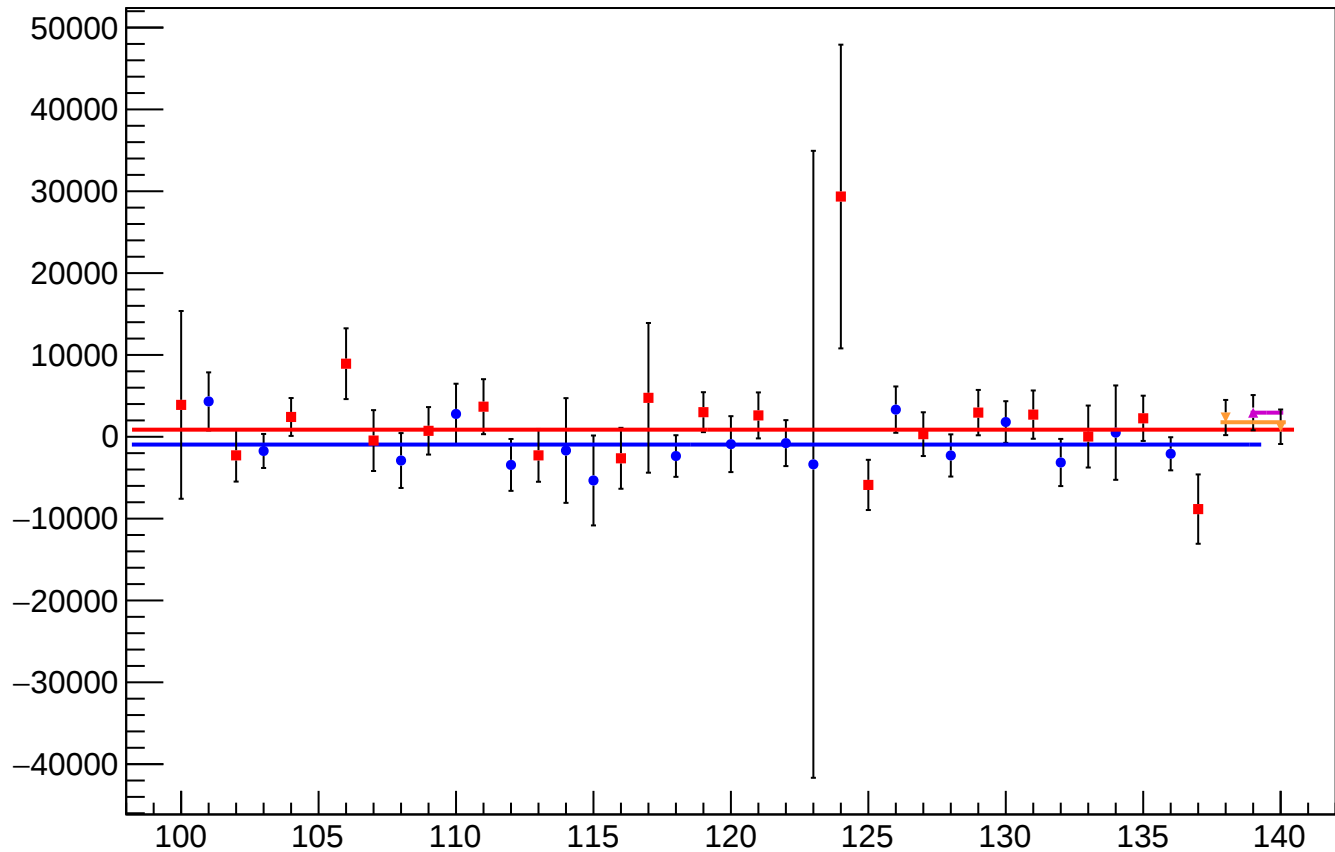
Right Out: 3742.124+/-1.127 χ^2/NDF : 2712365.3/19

Left In: 5753.442+/-4.781 χ^2/NDF : 0.0/0

3866.099+/-1.061 χ^2/NDF : 3001134.9/18

3847.940+/-1.097 χ^2/NDF : 2880009.9/20

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1777.730+/-1504.437 χ^2/NDF : 0.1/1

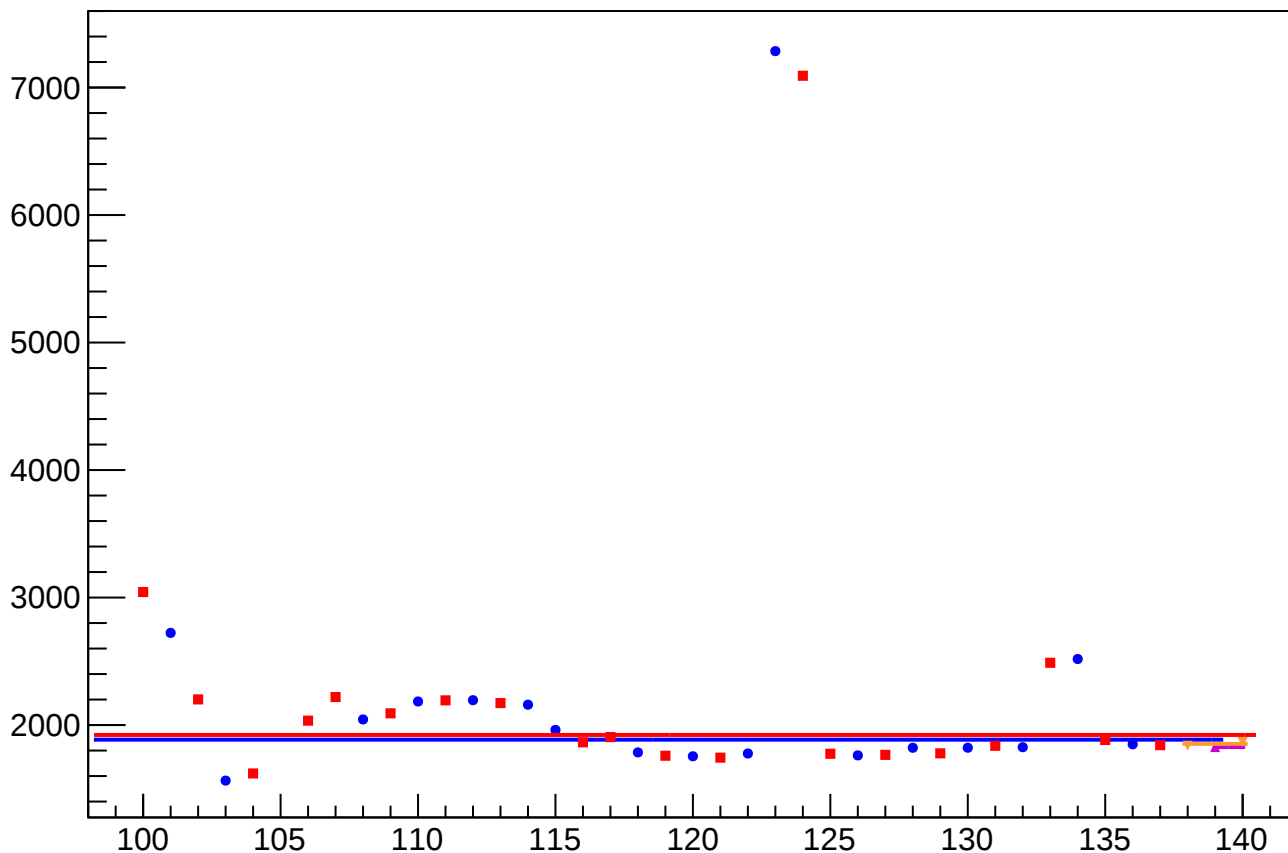
Right Out: 868.810+/-735.140 χ^2/NDF : 22.7/19

Left In: 2947.410+/-2151.082 χ^2/NDF : 0.0/0

-418.944+/-664.502 χ^2/NDF : 12.7/18

1086.192+/-695.638 χ^2/NDF : 23.5/20

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1852.372+/-1.064 χ^2/NDF : 183.9/1

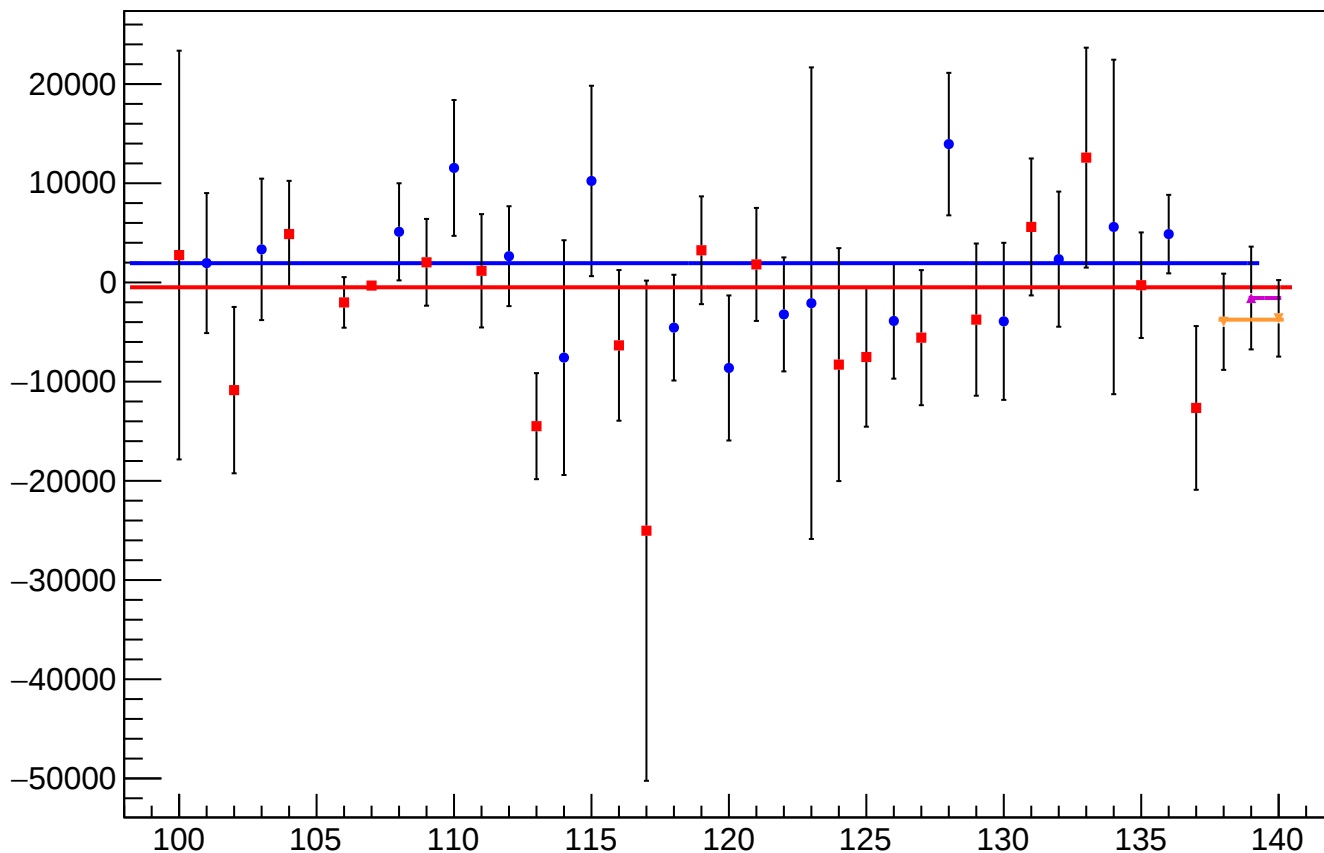
Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

Left In: 1827.679+/-1.521 χ^2/NDF : 0.0/0

1878.924+/-0.470 χ^2/NDF : 281386.9/18

1912.548+/-0.491 χ^2/NDF : 354994.6/20

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -3751.183+/-3018.781 χ^2/NDF : 0.0/1

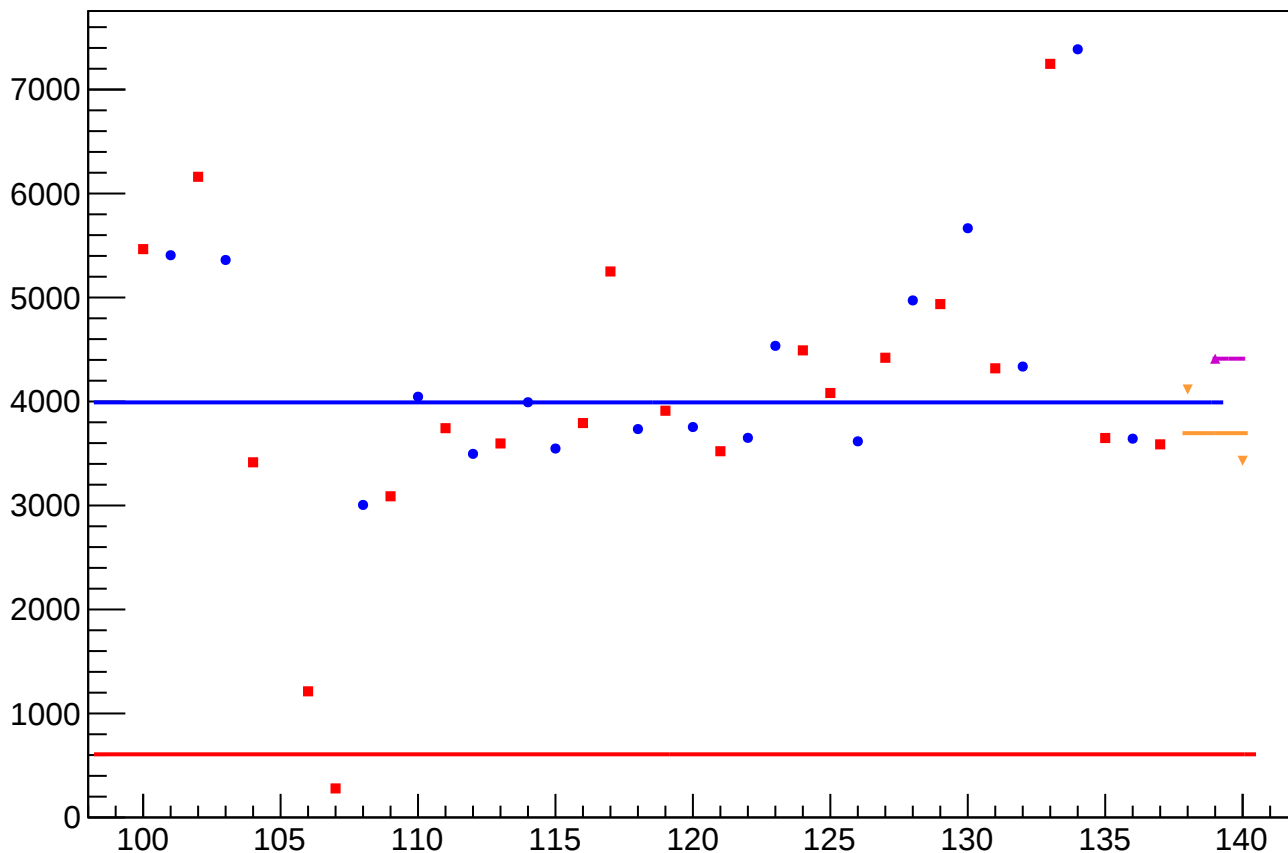
Right Out: -486.774+/-453.611 χ^2/NDF : 19.0/19

Left In: -1569.766+/-5180.904 χ^2/NDF : 0.0/0

717.419+/-1400.592 χ^2/NDF : 16.0/18

-495.013+/-451.882 χ^2/NDF : 19.1/20

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3695.649+/-2.135 χ^2/NDF : 24456.9/1

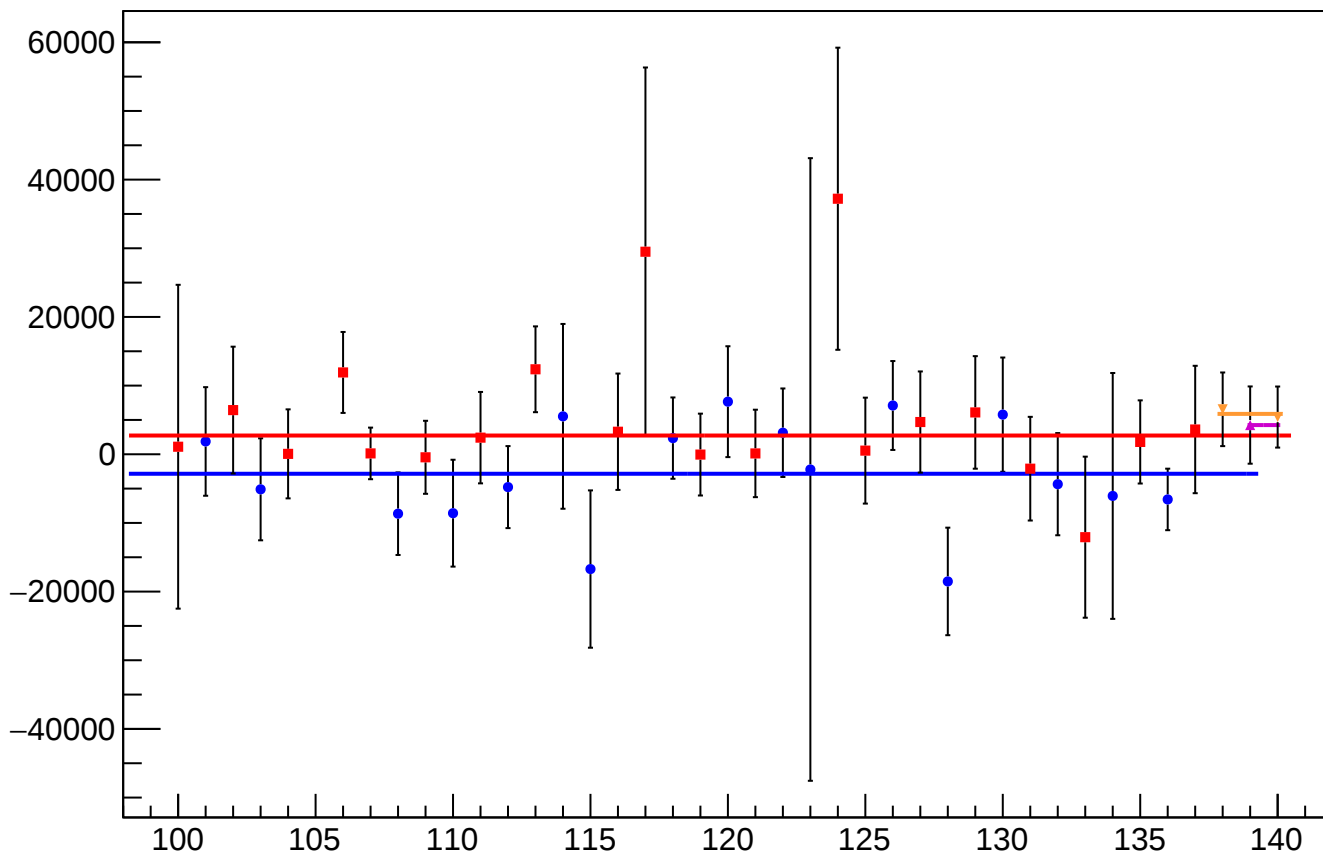
Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

Left In: 4411.736+/-3.663 χ^2/NDF : 0.0/0

3927.750+/-0.990 χ^2/NDF : 550305.4/18

636.177+/-0.320 χ^2/NDF : 11384721.3/20

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599+/-1786.019 χ^2 /NDF: 15.4/16

Left Out: 5879.000+/-3422.813 χ^2 /NDF: 0.0/1

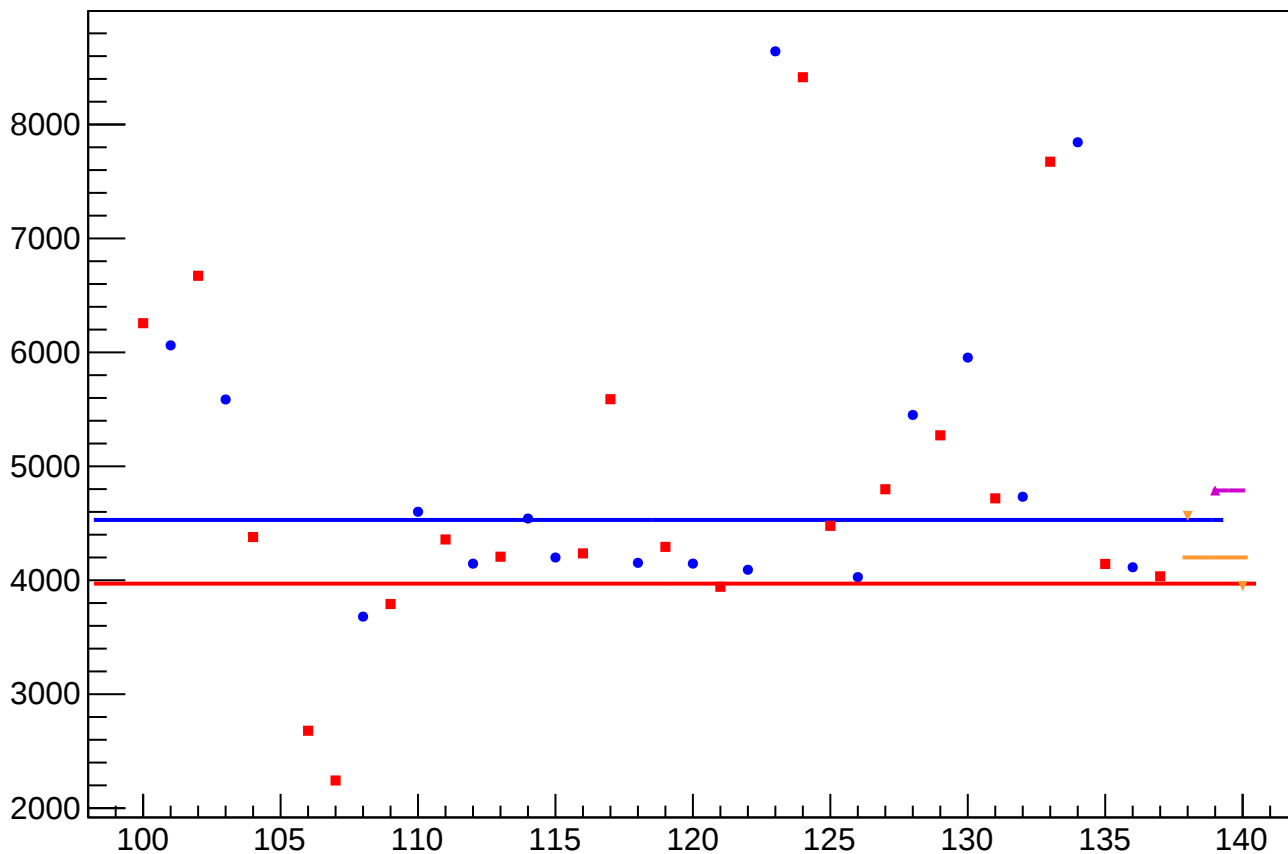
Right Out: 2729.311+/-1572.398 χ^2 /NDF: 12.2/19

Left In: 4251.552+/-5625.811 χ^2 /NDF: 0.0/0

-973.769+/-1583.419 χ^2 /NDF: 20.5/18

2839.610+/-1514.360 χ^2 /NDF: 12.3/20

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 $\pm$ 1.263 χ^2/NDF : 389326.2/16

Left Out: 4200.249 $\pm$ 2.420 χ^2/NDF : 15606.5/1

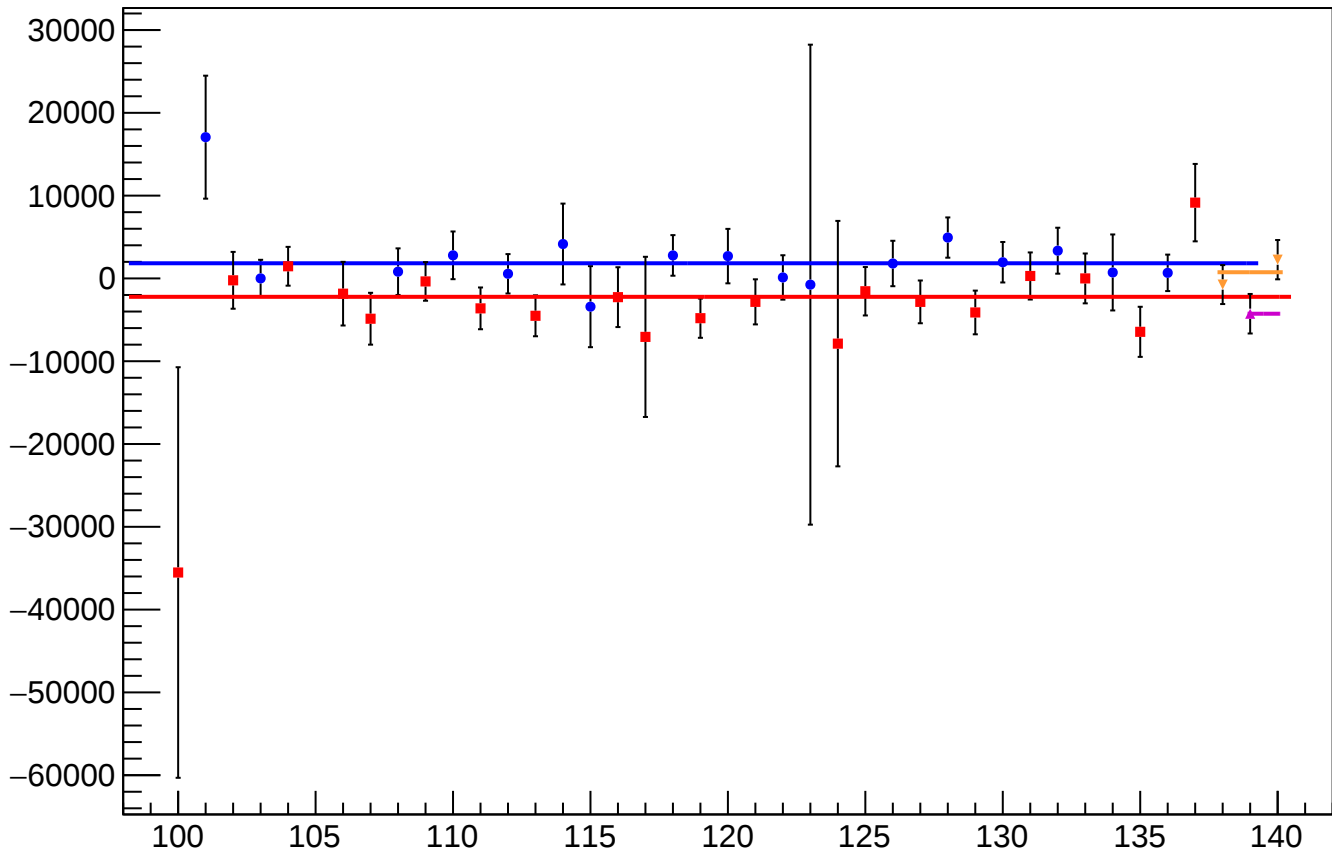
Right Out: 3970.336 $\pm$ 1.105 χ^2/NDF : 1147711.9/19

Left In: 4788.183 $\pm$ 3.978 χ^2/NDF : 0.0/0

4459.008 $\pm$ 1.120 χ^2/NDF : 419475.0/18

4028.897 $\pm$ 1.064 χ^2/NDF : 1186952.7/20

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 747.235+/-1670.540 χ^2/NDF : 0.8/1

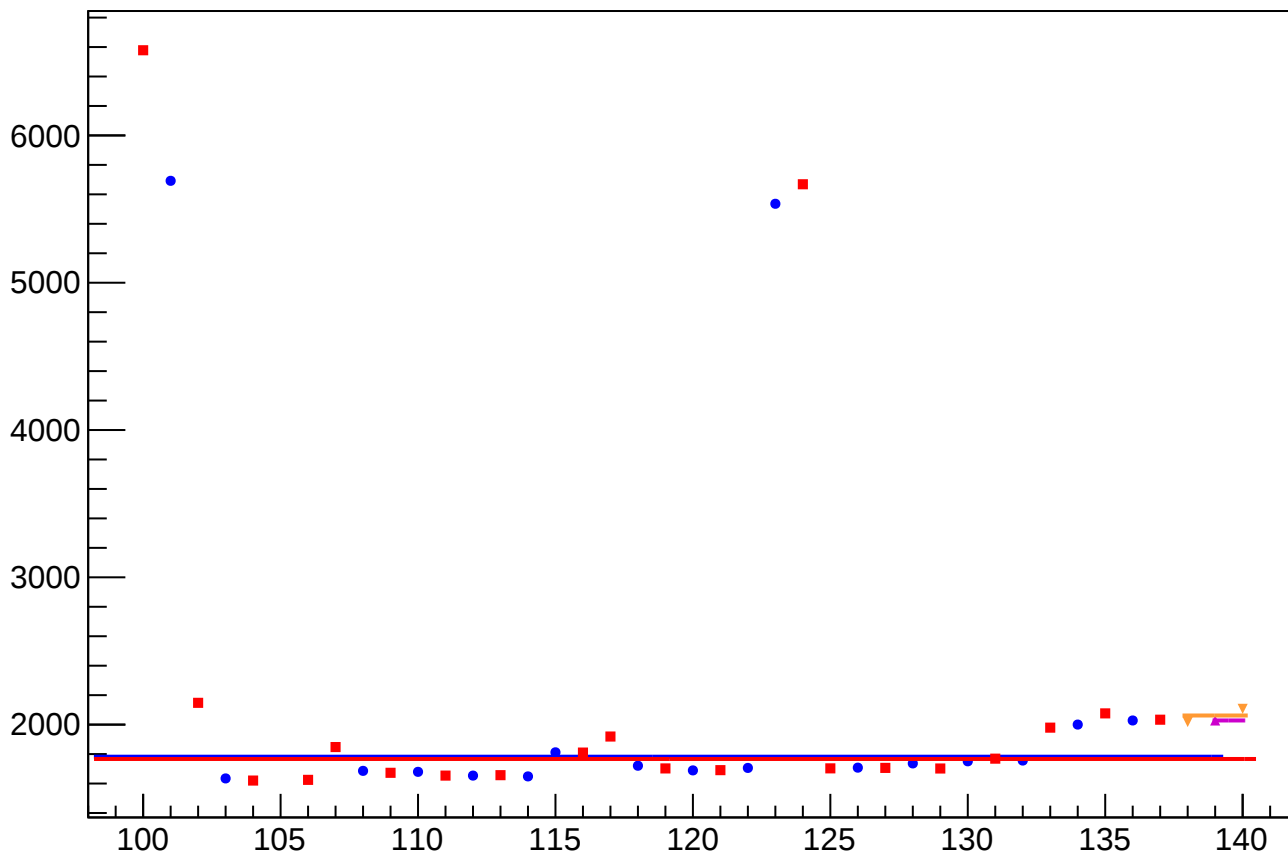
Right Out: -2222.274+/-682.500 χ^2/NDF : 18.6/19

Left In: -4264.491+/-2386.567 χ^2/NDF : 0.0/0

1663.897+/-654.472 χ^2/NDF : 10.8/18

-2376.665+/-656.195 χ^2/NDF : 19.3/20

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2061.891+/-1.181 χ^2/NDF :1441.5/1

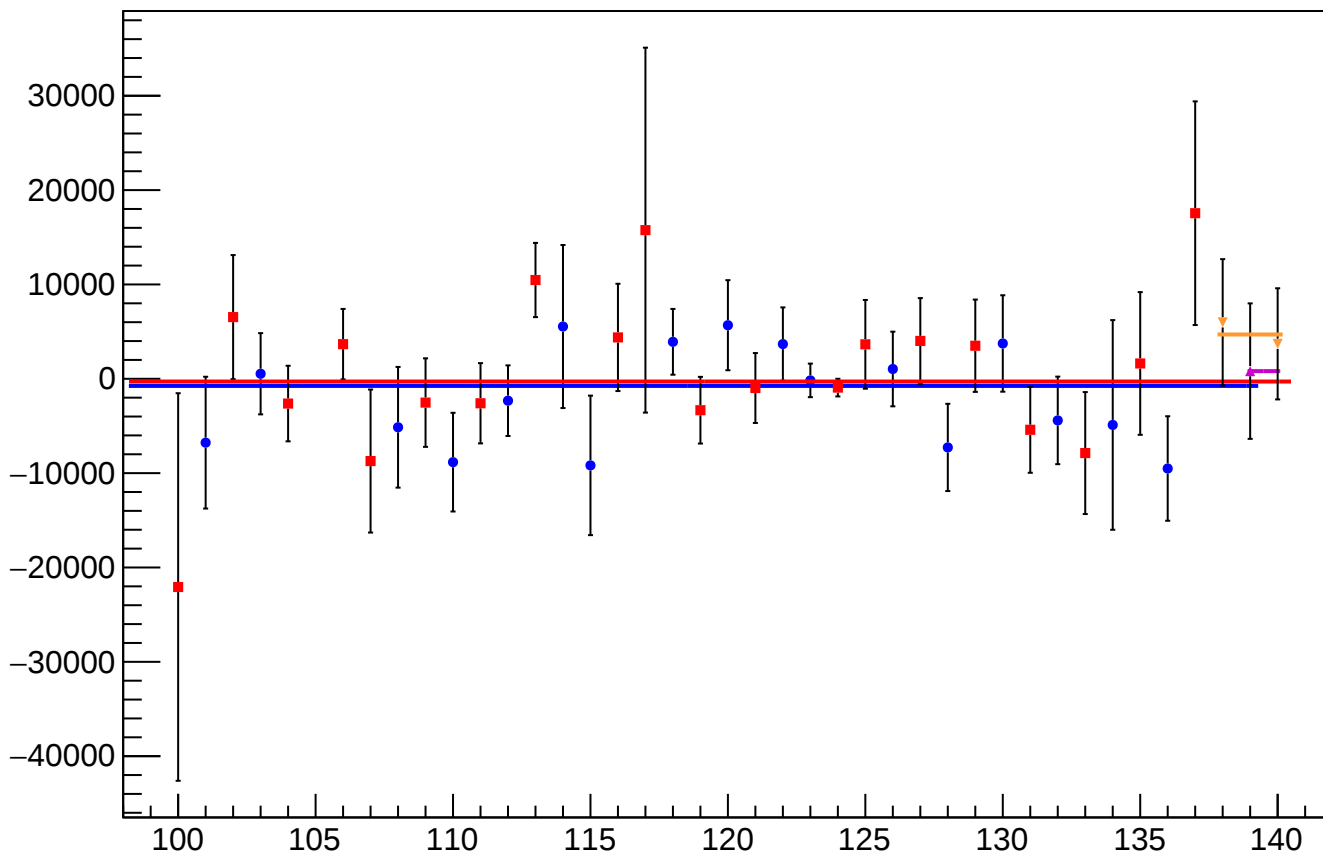
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 2028.131+/-1.688 χ^2/NDF :0.0/0

1825.075+/-0.463 χ^2/NDF : 694109.5/18

1786.233+/-0.461 χ^2/NDF : 329501.7/20

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: 4696.865+/-4424.913 χ^2/NDF : 0.1/1

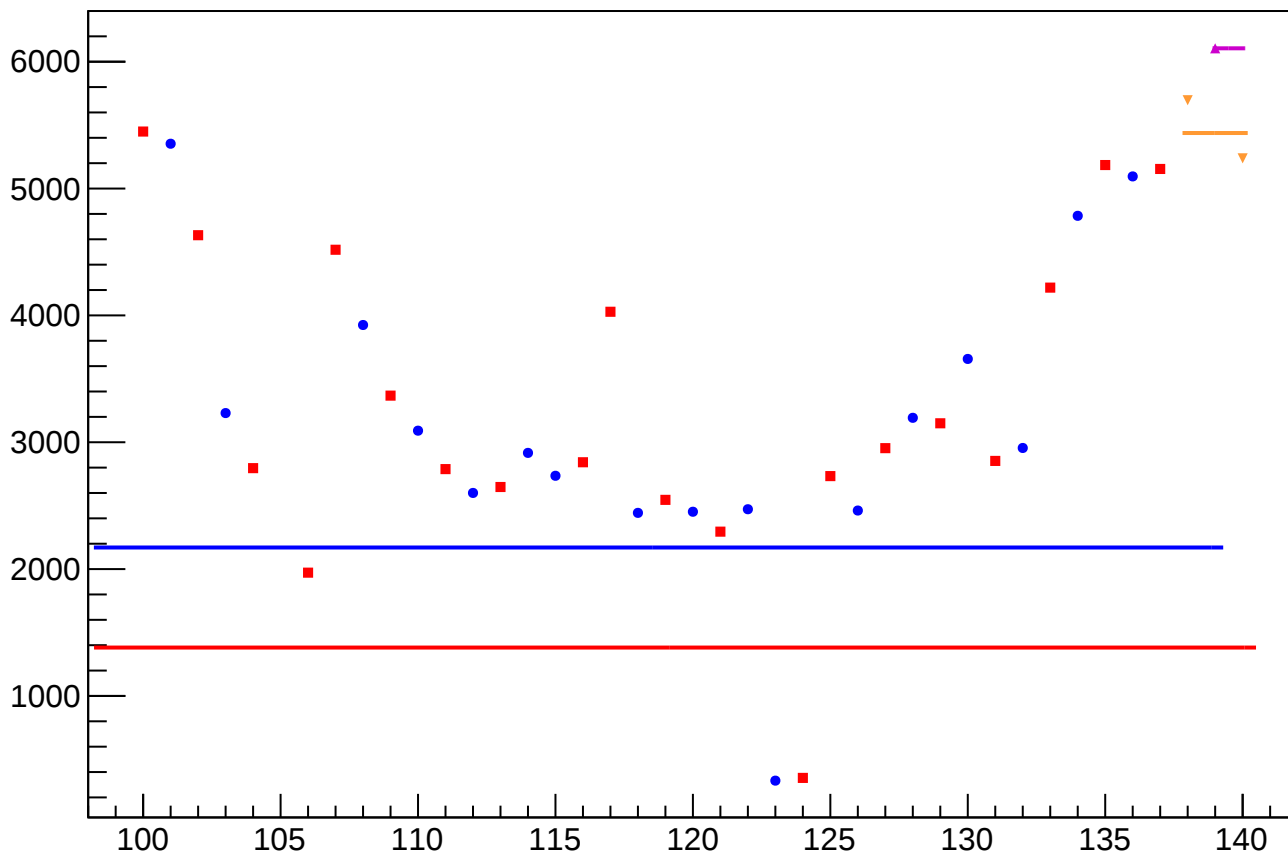
Right Out: -288.847+/-724.622 χ^2/NDF : 22.7/19

Left In: 813.108+/-7179.217 χ^2/NDF : 0.0/0

-484.282+/-983.306 χ^2/NDF : 18.5/18

-277.734+/-720.959 χ^2/NDF : 22.7/20

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 5437.852 $\pm$ 3.129 χ^2 /NDF: 5269.5/1

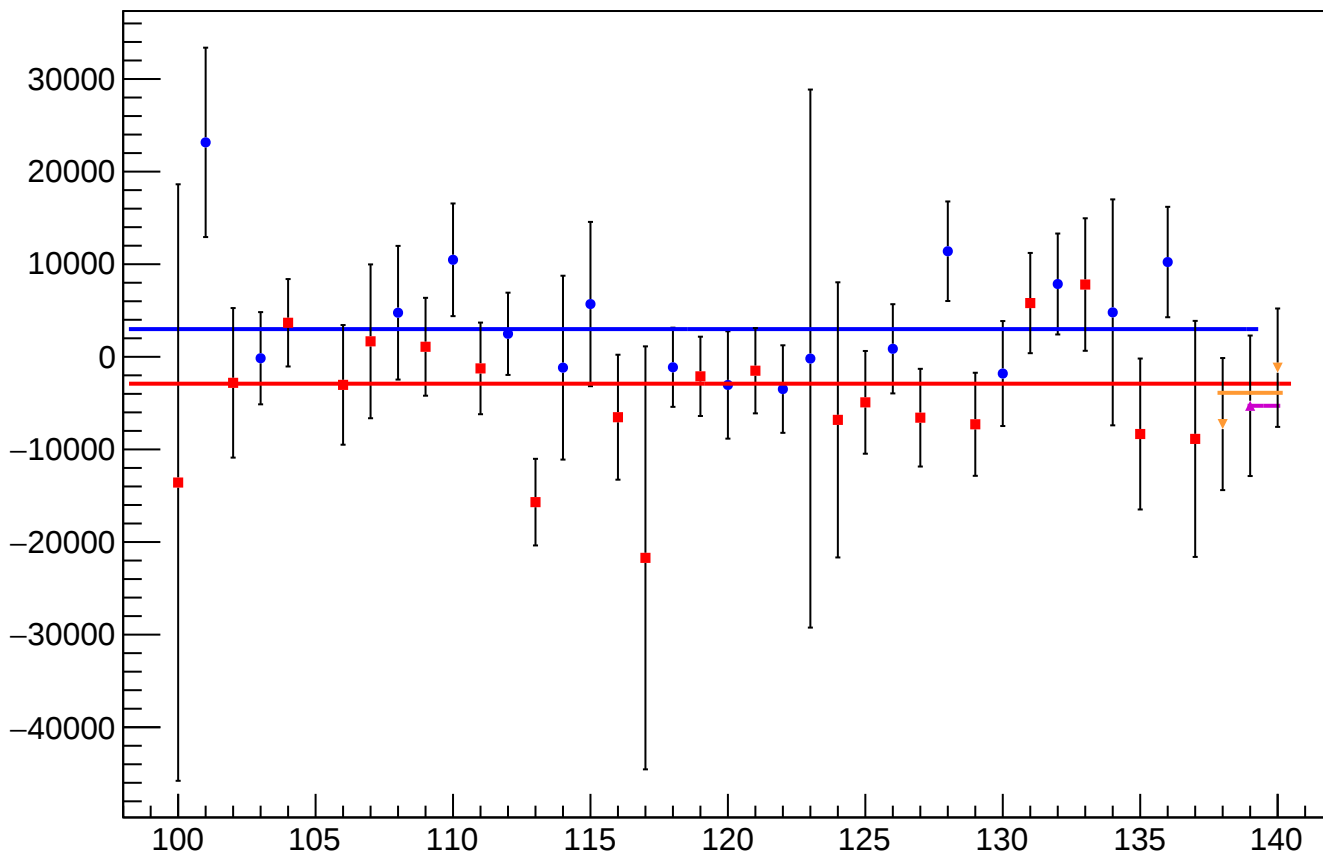
2331.603 $\pm$ 0.695 χ^2 /NDF: 5015775.8/18

Right Out: 1381.438 $\pm$ 0.512 χ^2 /NDF: 6884822.3/19

1429.080 $\pm$ 0.510 χ^2 /NDF: 7742091.4/20

Left In: 6105.566 $\pm$ 5.076 χ^2 /NDF: 0.0/0

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 ± 1447.211 χ^2/NDF : 15.7/16

Left Out: -3887.532 ± 4760.440 χ^2/NDF : 0.4/1

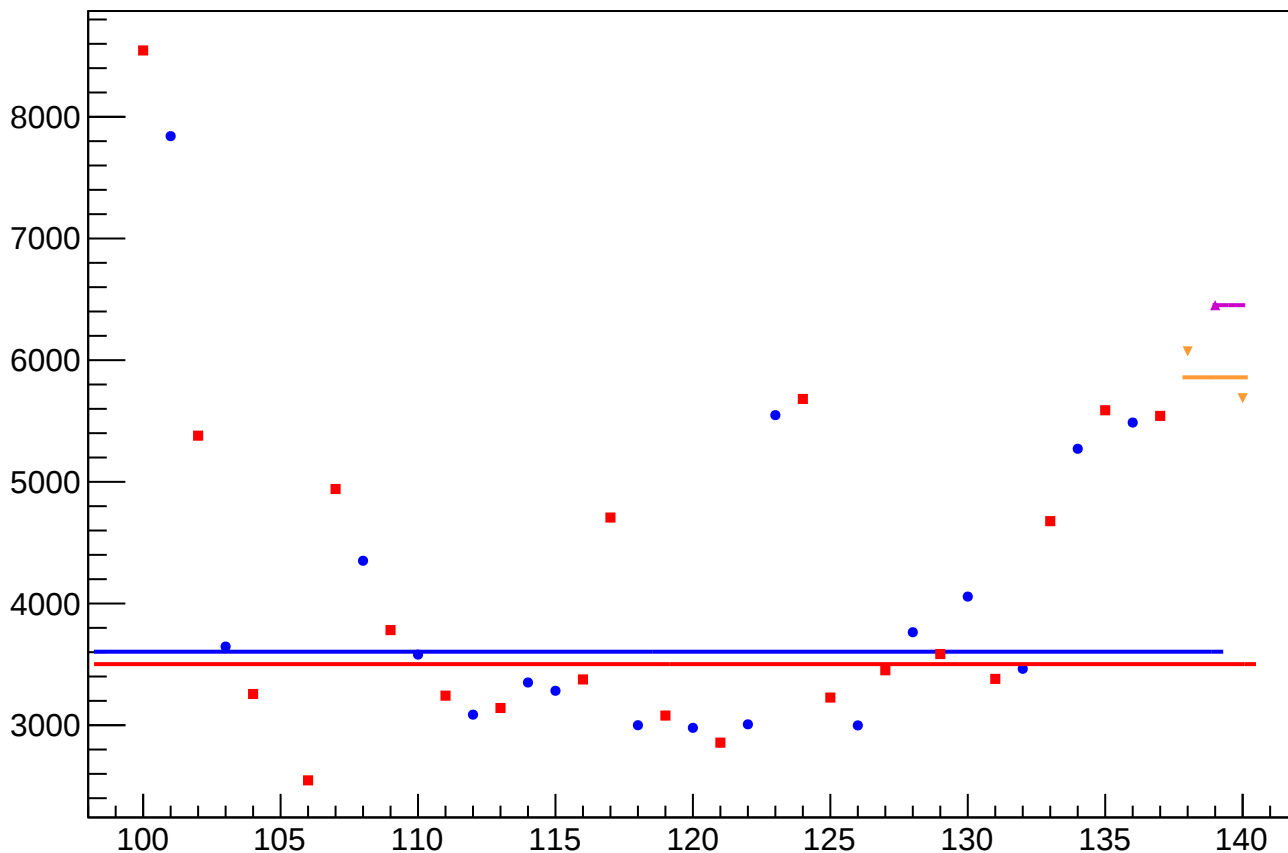
Right Out: -2901.985 ± 1376.603 χ^2/NDF : 18.4/19

Left In: -5287.743 ± 7586.303 χ^2/NDF : 0.0/0

2410.718 ± 1384.640 χ^2/NDF : 18.0/18

-2978.037 ± 1354.483 χ^2/NDF : 18.5/20

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 5858.948 ± 3.366 $\chi^2/\text{NDF}: 3230.5/1$

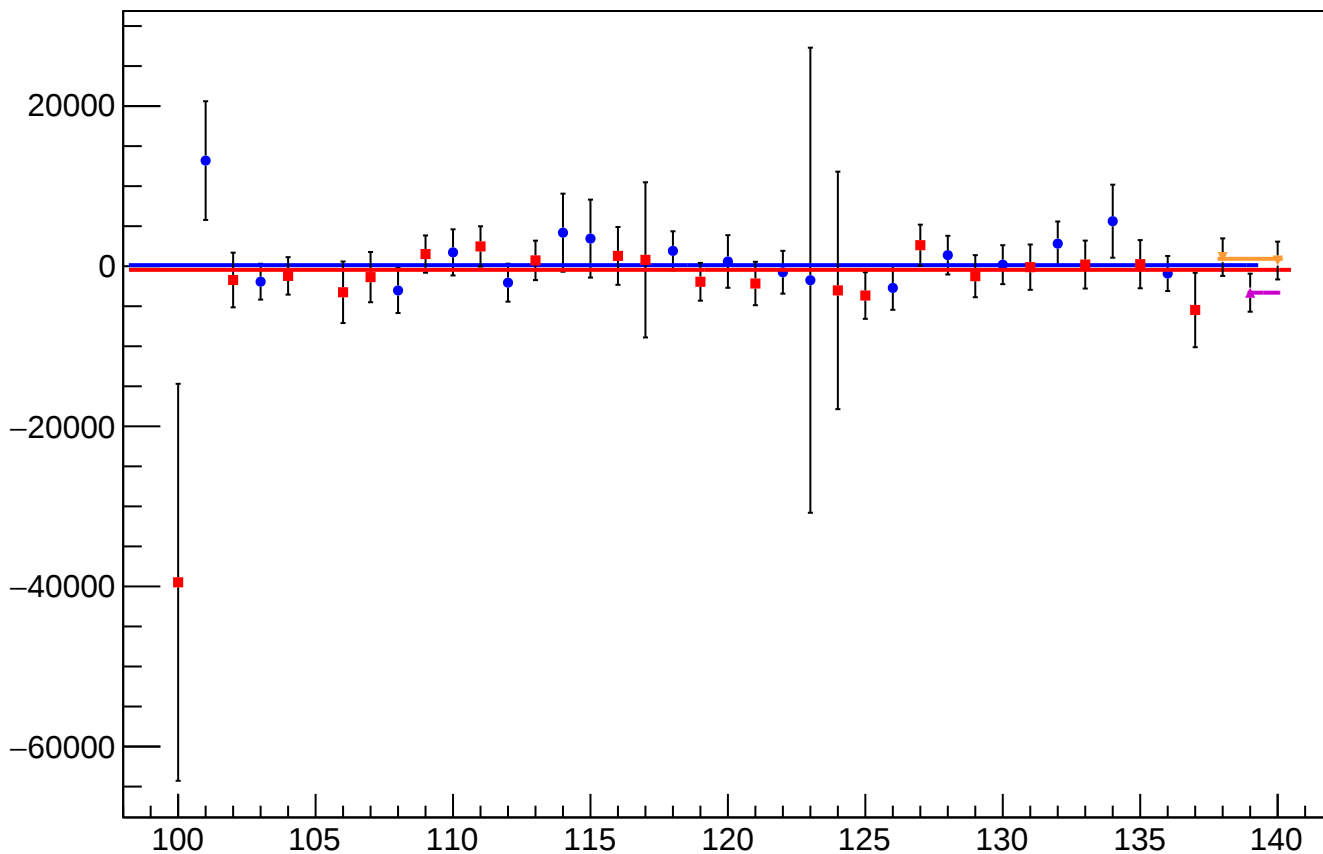
Right Out: 3501.857 ± 0.960 $\chi^2/\text{NDF}: 667483.1/19$

Left In: 6452.099 ± 5.364 $\chi^2/\text{NDF}: 0.0/0$

3794.706 ± 0.979 $\chi^2/\text{NDF}: 1198720.0/18$

3593.398 ± 0.945 $\chi^2/\text{NDF}: 960569.7/20$

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 923.569 $\pm$ 1663.255 χ^2 /NDF: 0.0/1

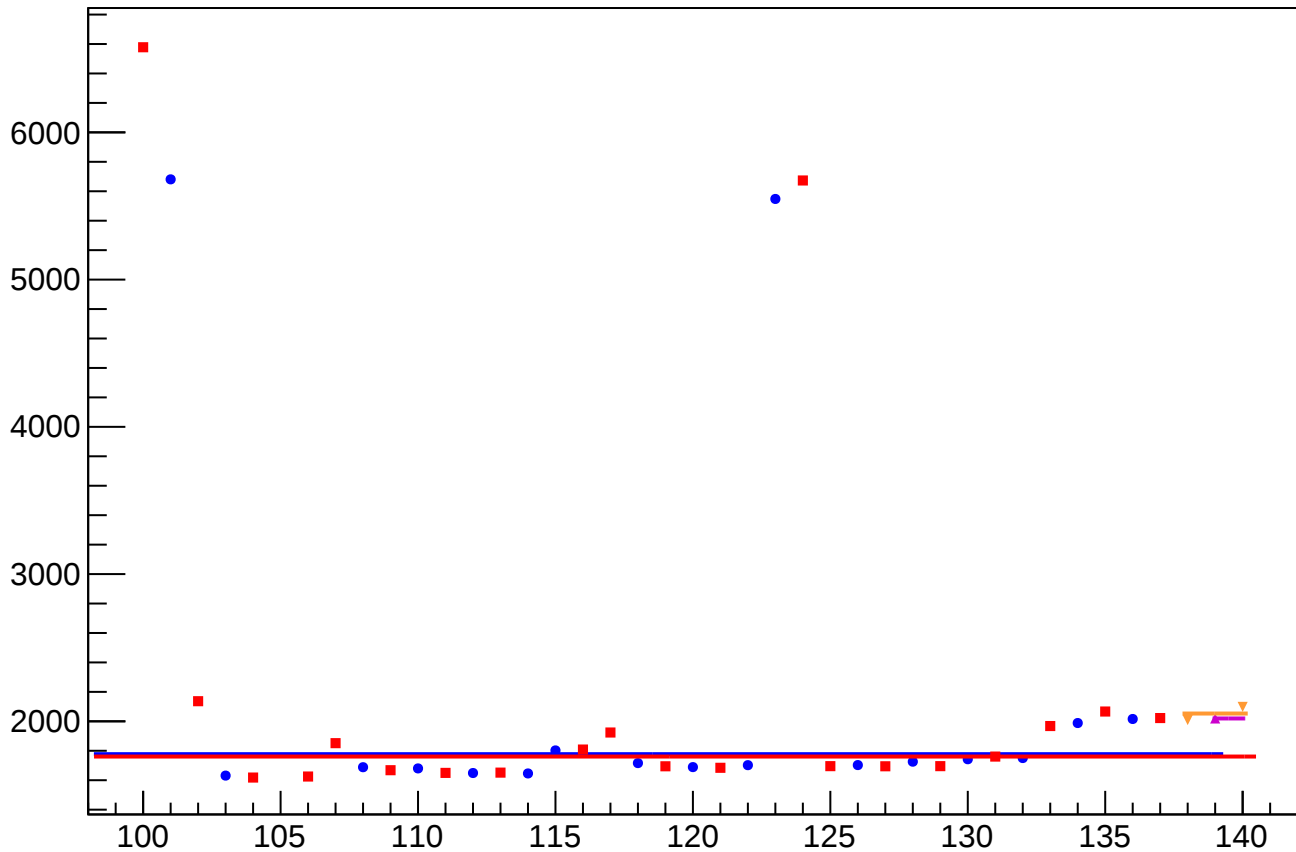
Right Out: -452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

Left In: -3307.609 $\pm$ 2376.138 χ^2 /NDF: 0.0/0

252.858 $\pm$ 652.376 χ^2 /NDF: 12.4/18

-669.066 $\pm$ 653.898 χ^2 /NDF: 12.1/20

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2052.882+/-1.176 χ^2/NDF :1449.5/1

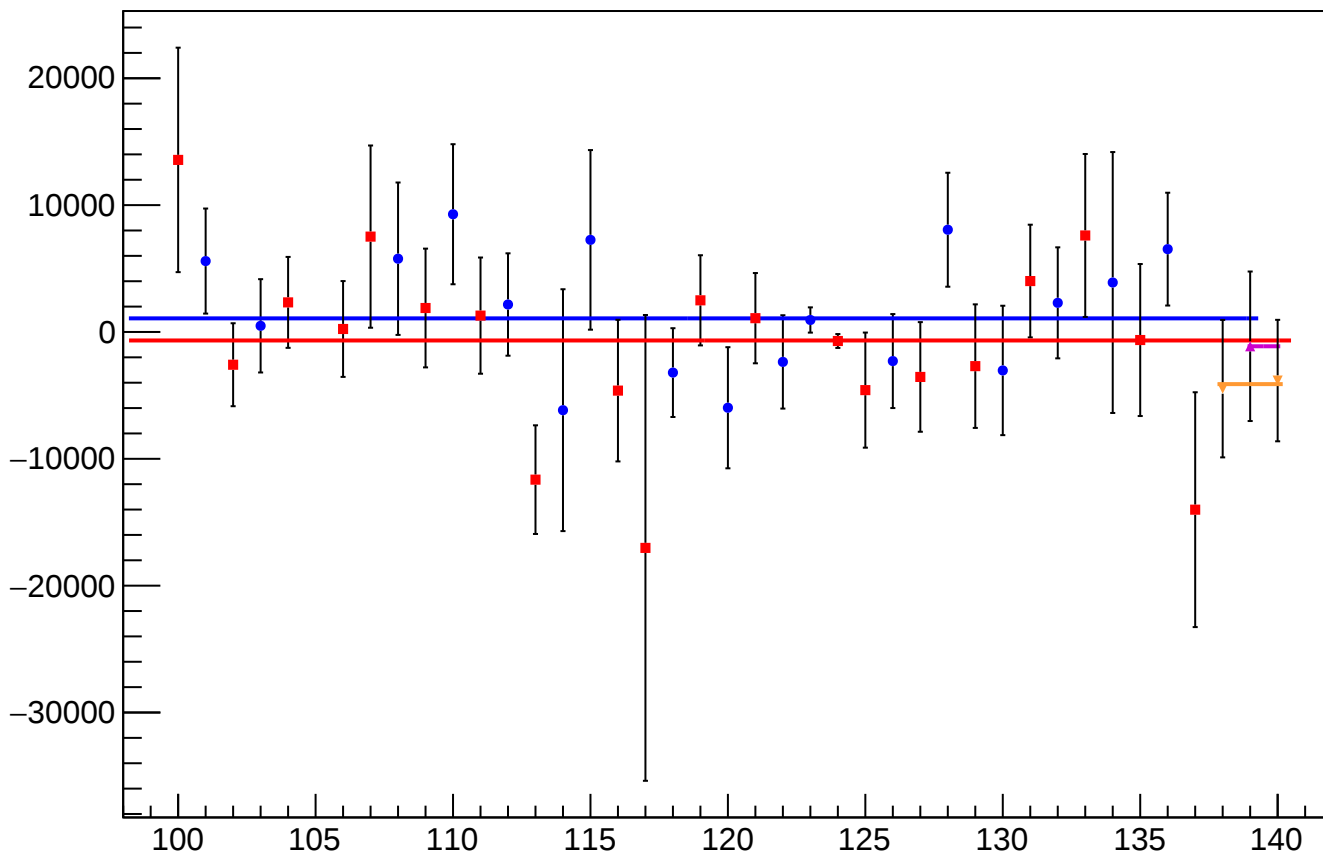
Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

Left In: 2019.382+/-1.680 χ^2/NDF :0.0/0

1819.340+/-0.461 χ^2/NDF : 691626.9/18

1780.126+/-0.459 χ^2/NDF : 328641.0/20

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: -4111.009+/-3587.979 χ^2/NDF : 0.0/1

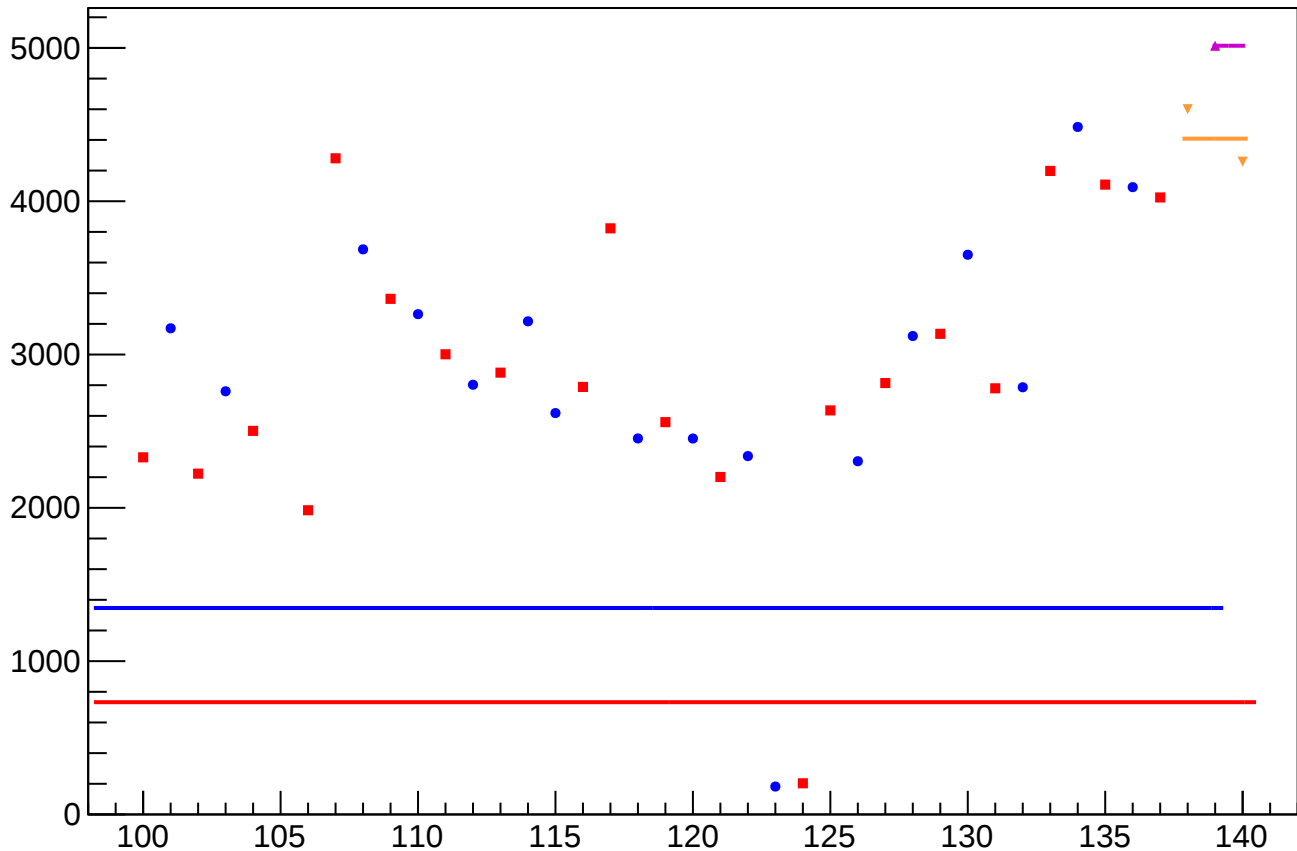
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: -1127.877+/-5893.271 χ^2/NDF : 0.0/0

853.934+/-736.271 χ^2/NDF : 17.6/18

-673.427+/-486.198 χ^2/NDF : 20.6/20

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 4408.179+/-2.537 χ^2/NDF : 4475.1/1

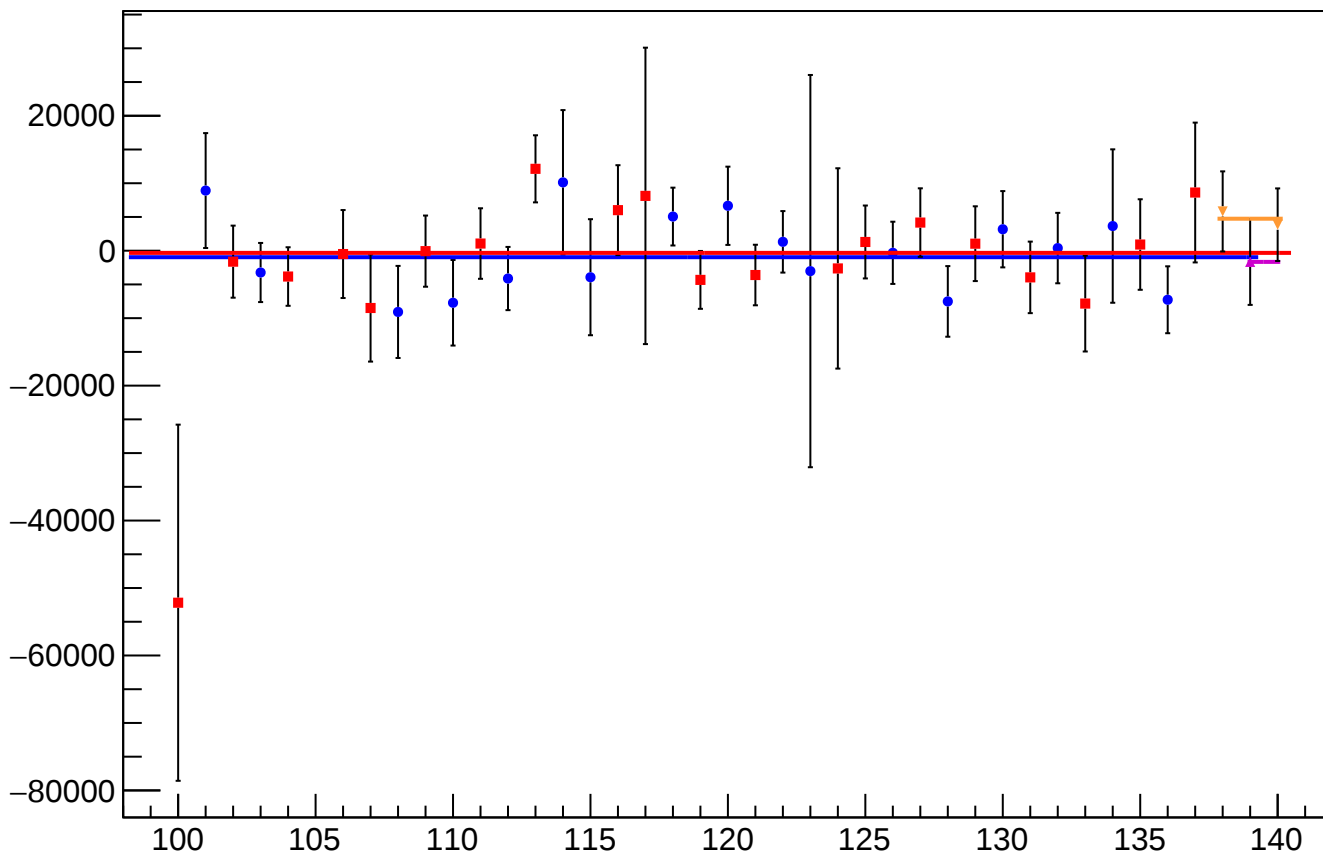
Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

Left In: 5014.347+/-4.167 χ^2/NDF : 0.0/0

1475.746+/-0.521 χ^2/NDF : 8238254.3/18

761.448+/-0.344 χ^2/NDF : 10608558.7/20

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 4741.075+/-3986.691 χ^2/NDF : 0.1/1

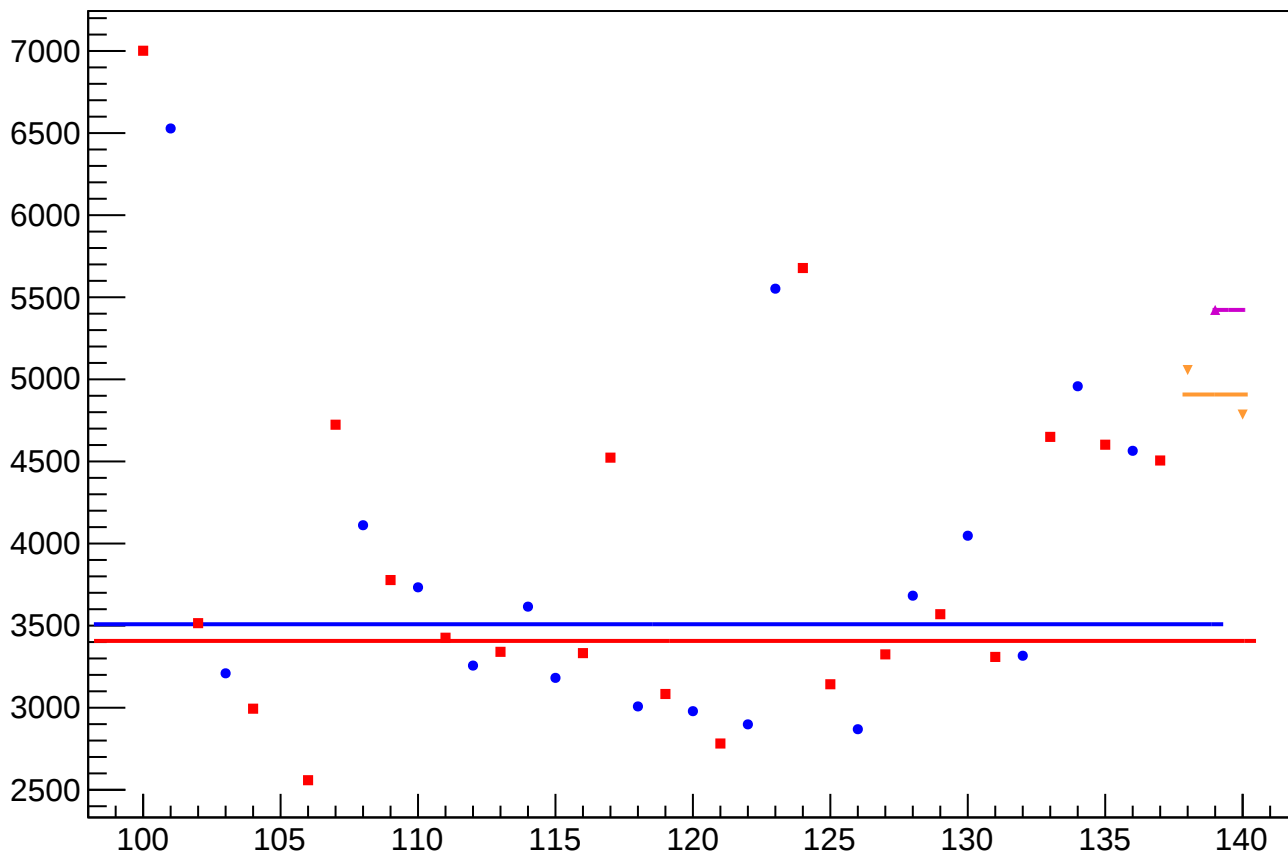
Right Out: -323.694+/-1327.331 χ^2/NDF : 17.8/19

Left In: -1658.986+/-6374.124 χ^2/NDF : 0.0/0

-341.306+/-1317.244 χ^2/NDF : 15.6/18

-379.190+/-1299.456 χ^2/NDF : 17.8/20

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4907.774+/-2.819 χ^2/NDF : 2290.4/1

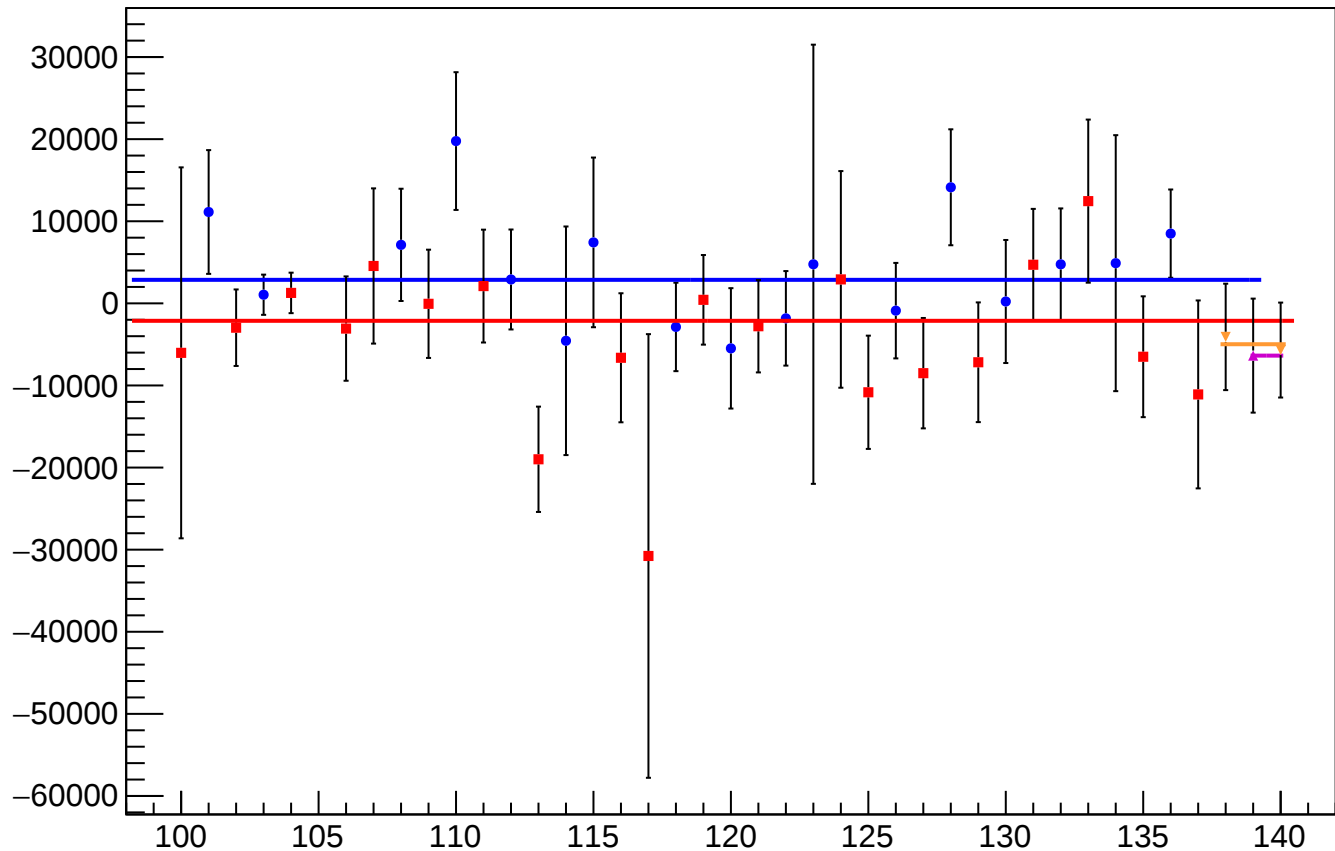
Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

Left In: 5422.955+/-4.507 χ^2/NDF : 0.0/0

3661.244+/-0.931 χ^2/NDF : 783978.7/18

3488.597+/-0.907 χ^2/NDF : 625708.7/20

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -4977.977+/-4314.367 χ^2/NDF : 0.0/1

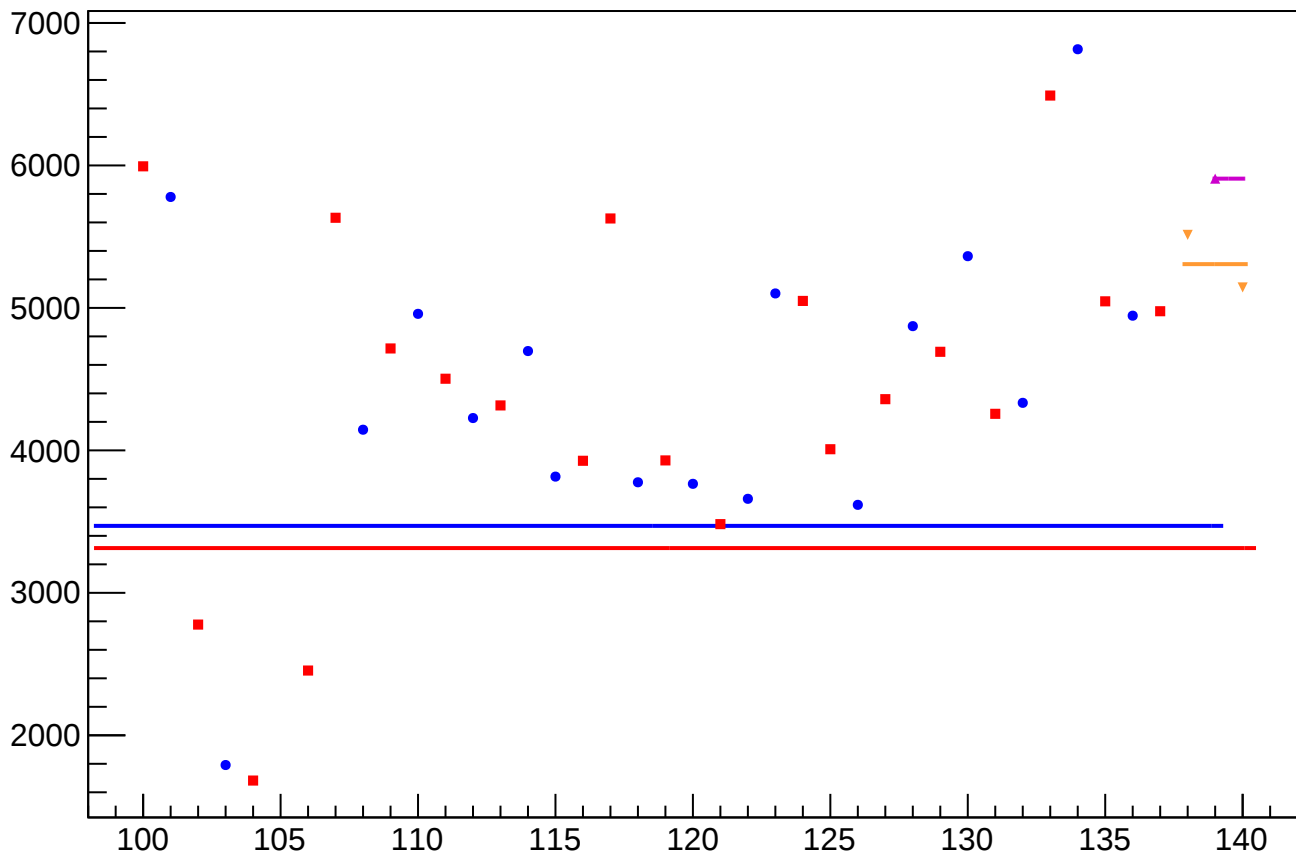
2066.184+/-1376.714 χ^2/NDF : 17.1/18

Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

-2287.171+/-1353.311 χ^2/NDF : 19.2/20

Left In: -6365.830+/-6943.264 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5307.252+/-3.051 χ^2/NDF : 3609.6/1

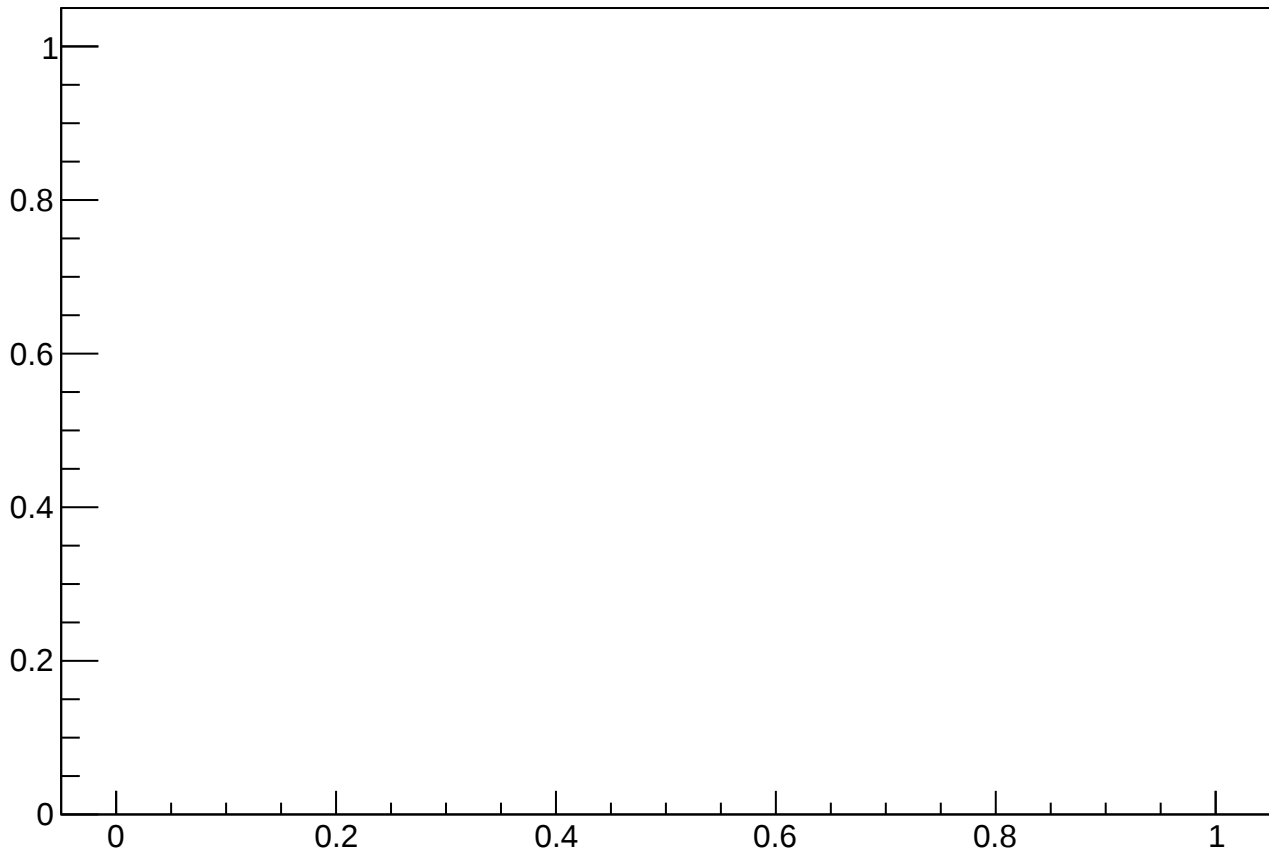
Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

Left In: 5907.336+/-4.910 χ^2/NDF : 0.0/0

3657.108+/-0.973 χ^2/NDF : 2090214.4/18

3410.976+/-0.949 χ^2/NDF : 2194042.8/20

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

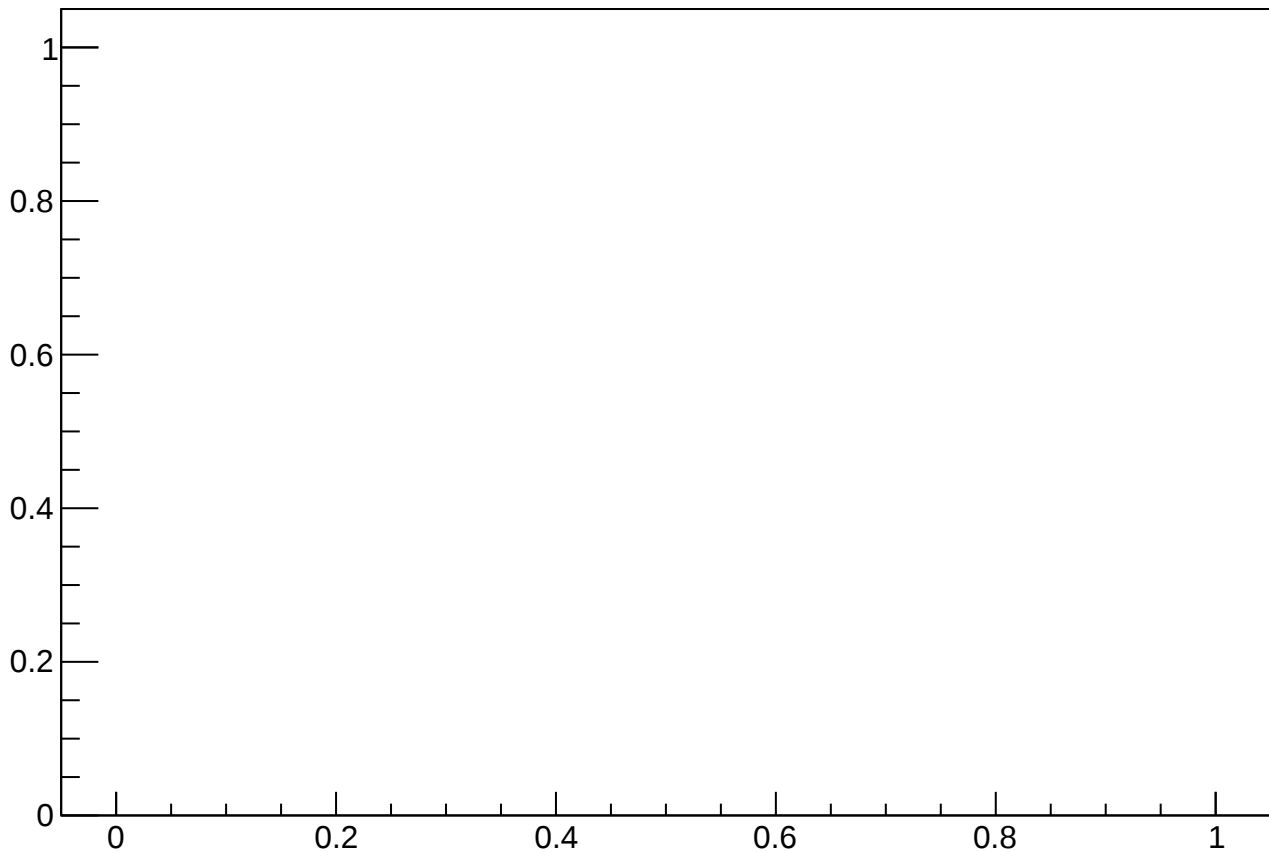
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

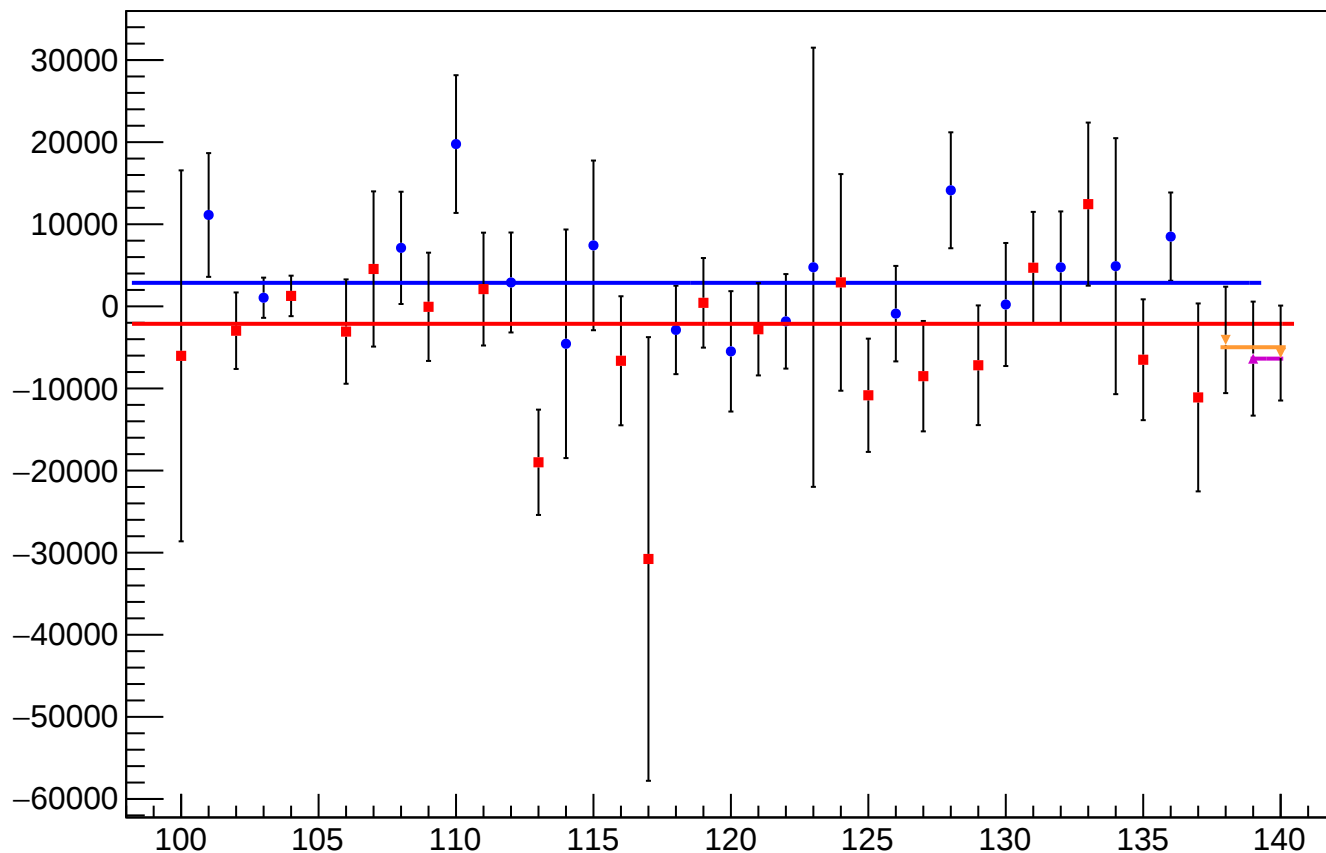
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -4977.977+/-4314.367 χ^2/NDF : 0.0/1

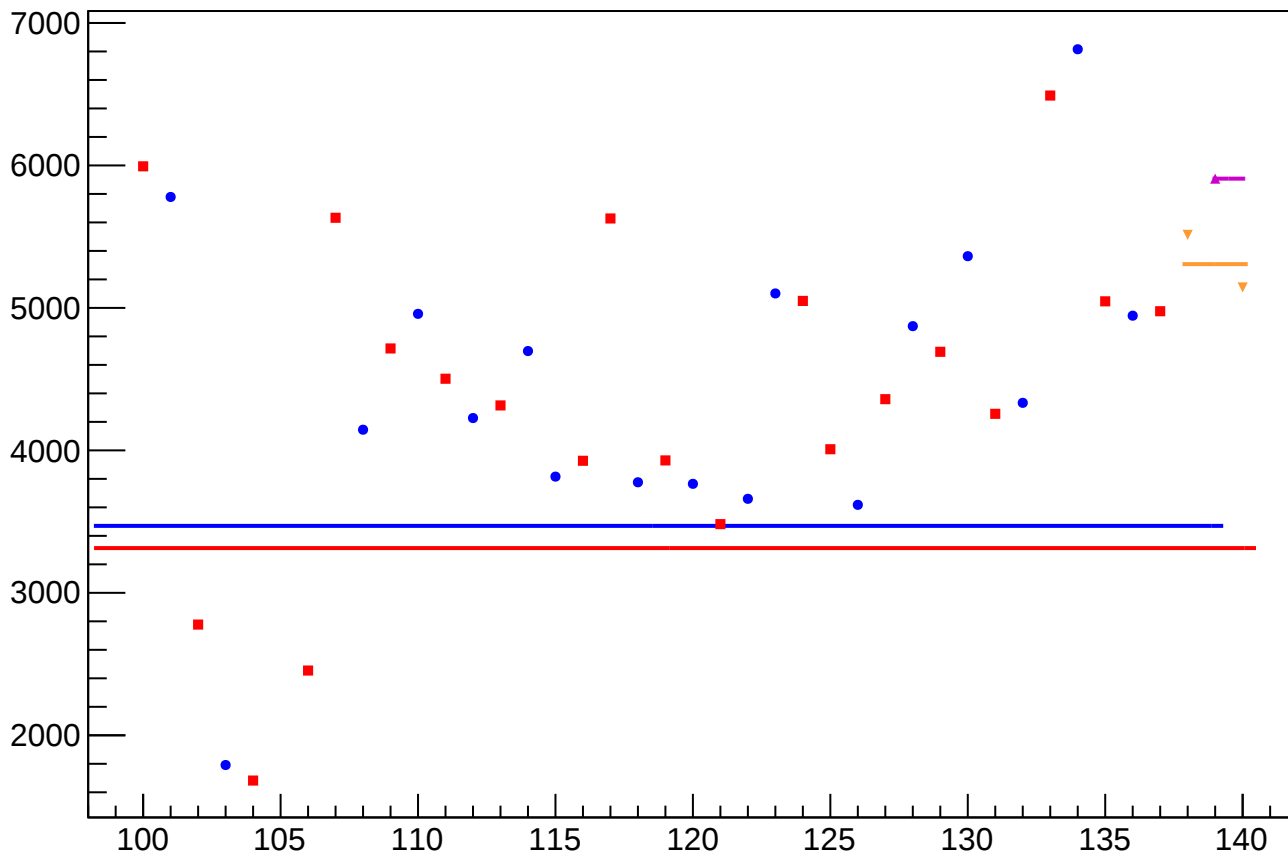
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -6365.830+/-6943.264 χ^2/NDF : 0.0/0

2066.184+/-1376.714 χ^2/NDF : 17.1/18

-2287.171+/-1353.311 χ^2/NDF : 19.2/20

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5307.252+/-3.051 χ^2/NDF : 3609.6/1

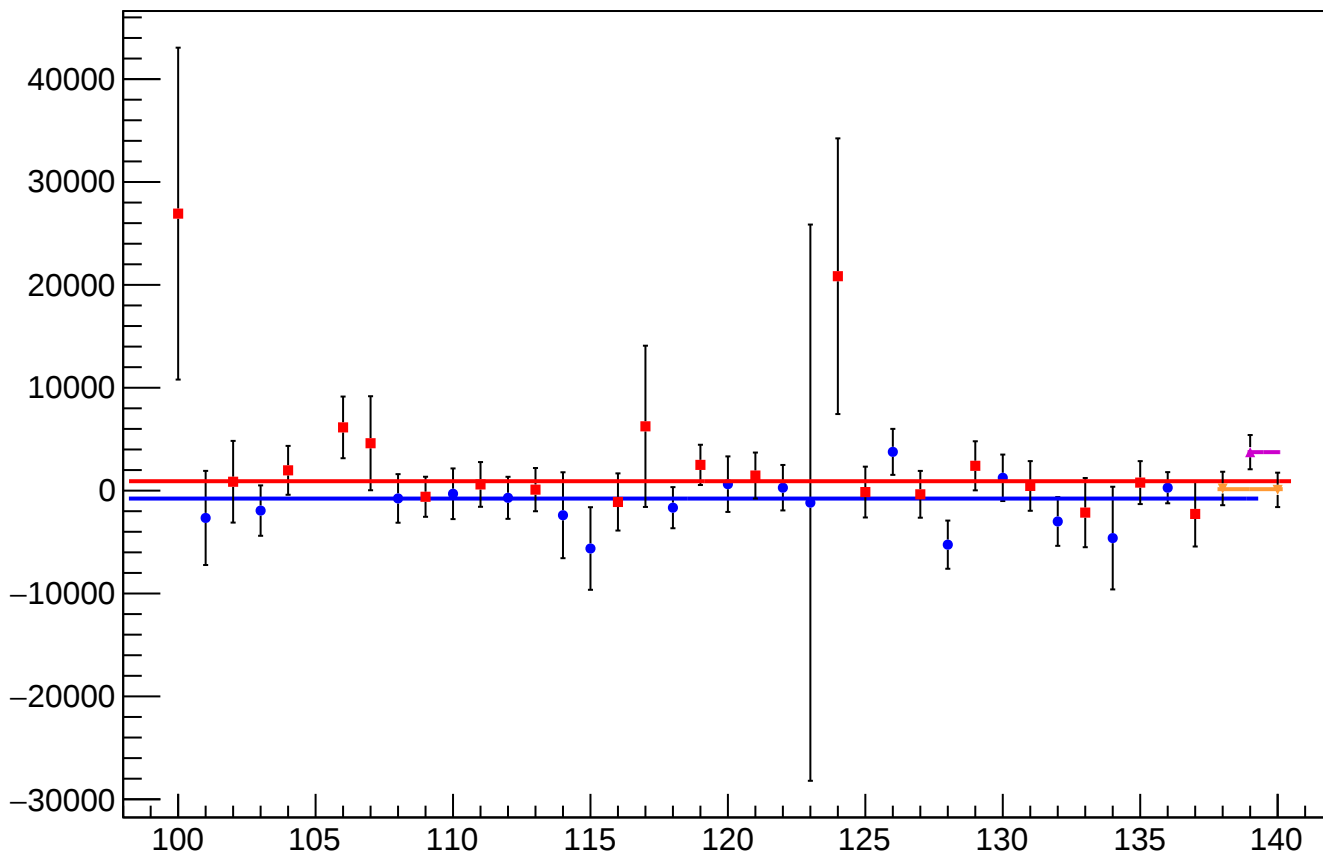
Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

Left In: 5907.336+/-4.910 χ^2/NDF : 0.0/0

3657.108+/-0.973 χ^2/NDF : 2090214.4/18

3410.976+/-0.949 χ^2/NDF : 2194042.8/20

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 143.054+/-1165.837 χ^2/NDF : 0.0/1

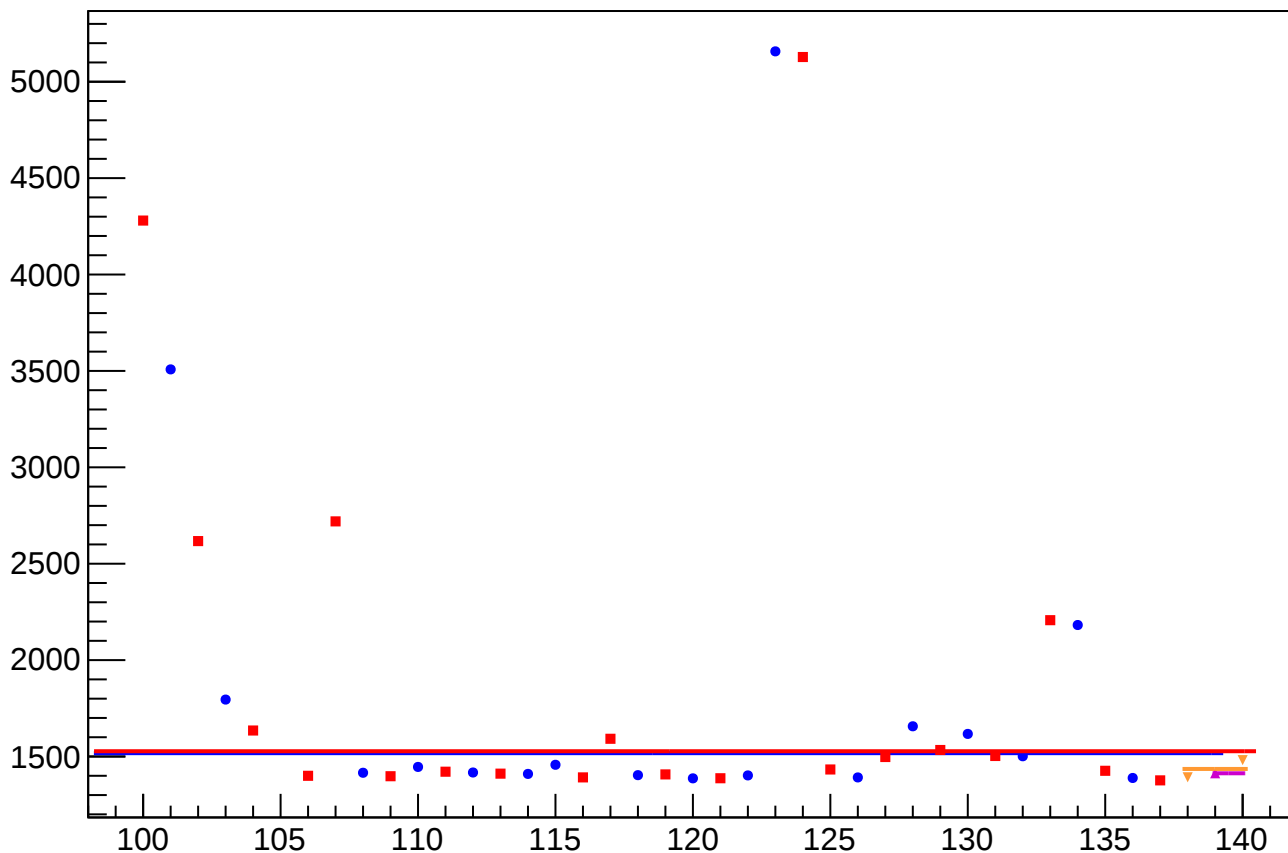
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 3740.923+/-1664.560 χ^2/NDF : 0.0/0

-577.853+/-536.082 χ^2/NDF : 13.8/18

1234.380+/-558.900 χ^2/NDF : 16.5/20

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1435.457+/-0.824 χ^2/NDF : 2911.2/1

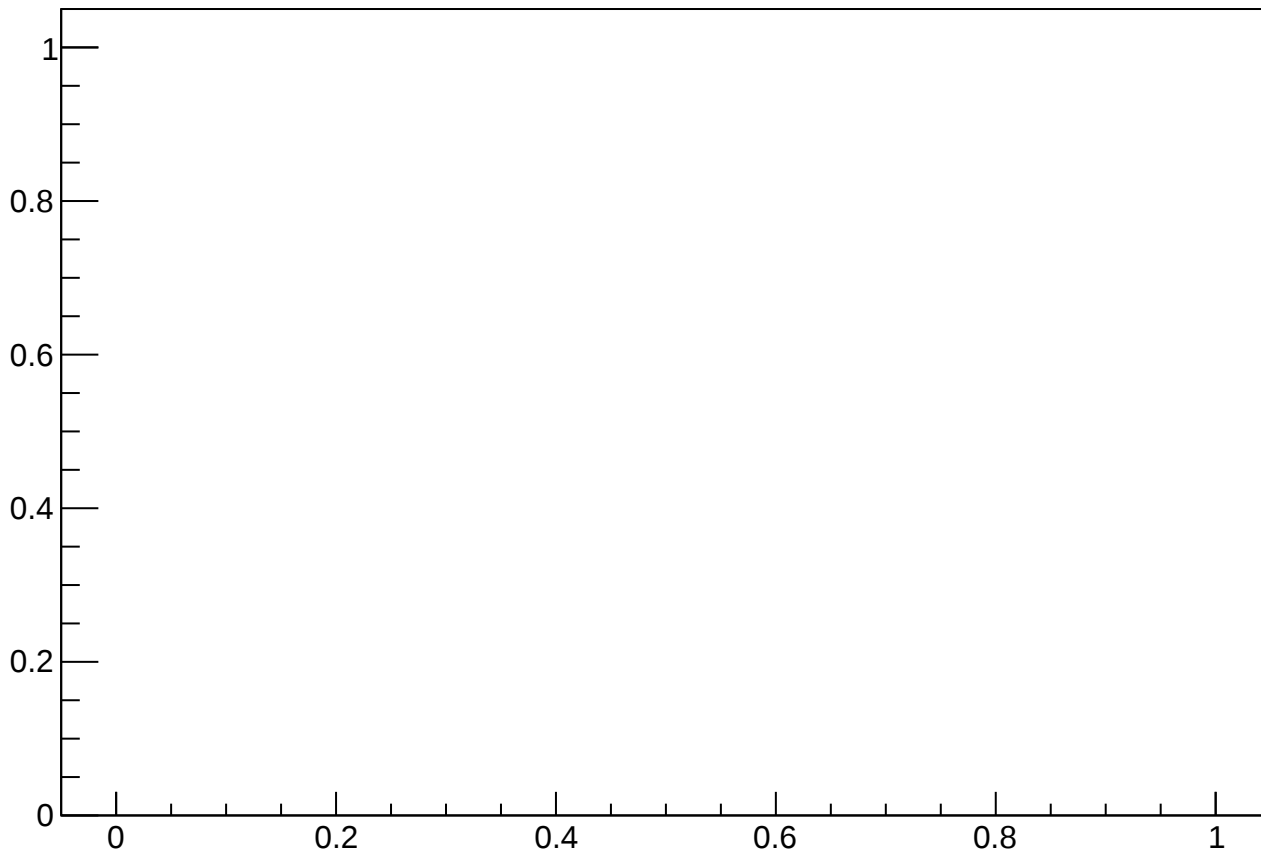
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1413.000+/-1.177 χ^2/NDF : 0.0/0

1500.022+/-0.379 χ^2/NDF : 547352.7/18

1514.483+/-0.395 χ^2/NDF : 640199.3/20

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

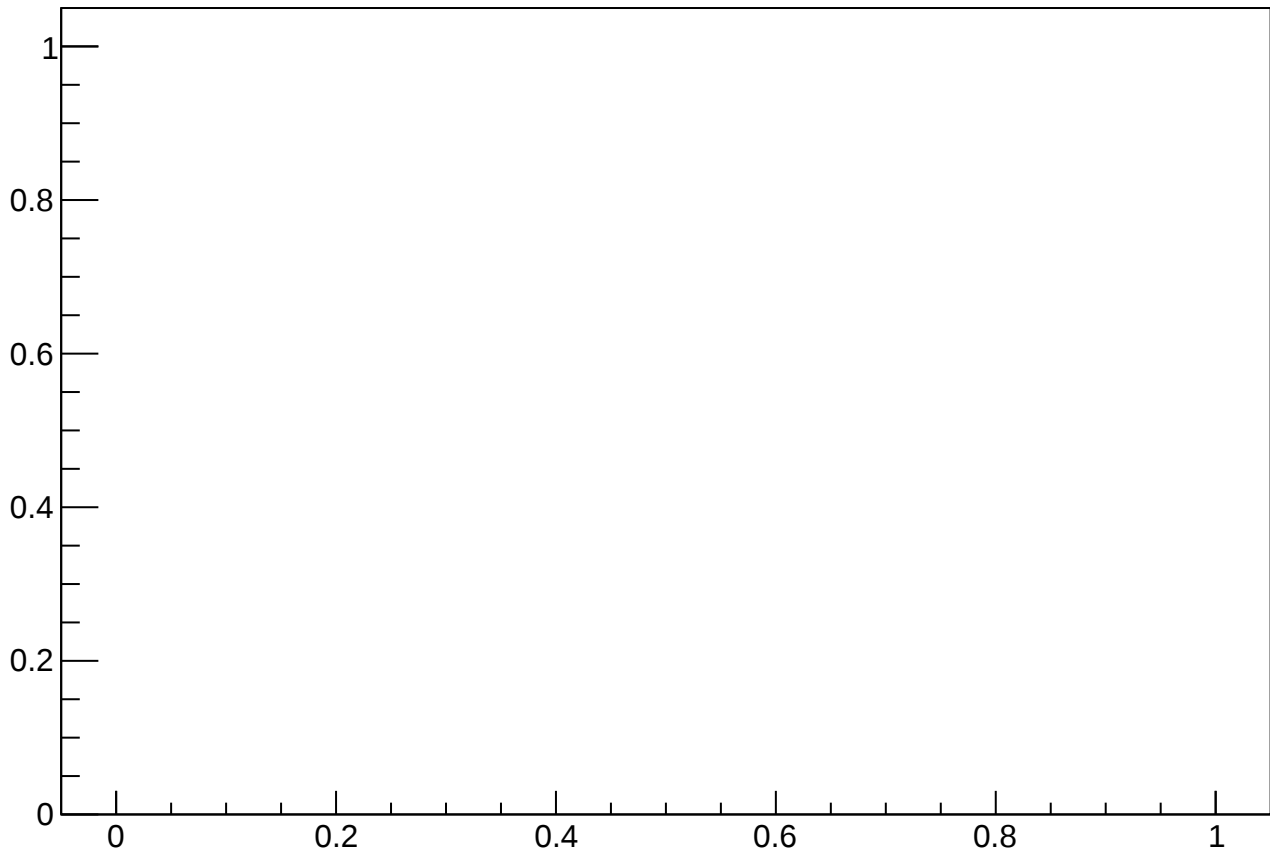
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

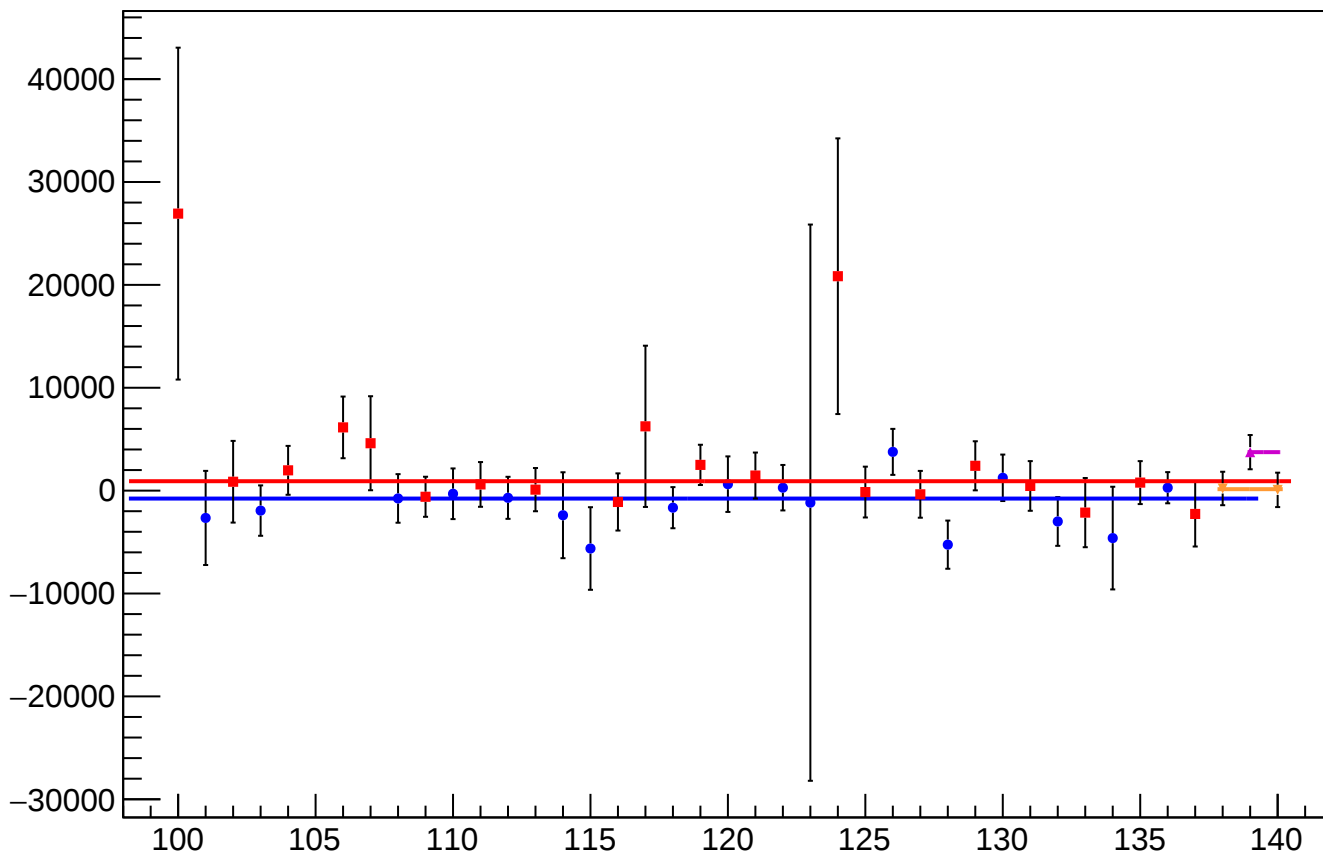
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 143.054+/-1165.837 χ^2/NDF : 0.0/1

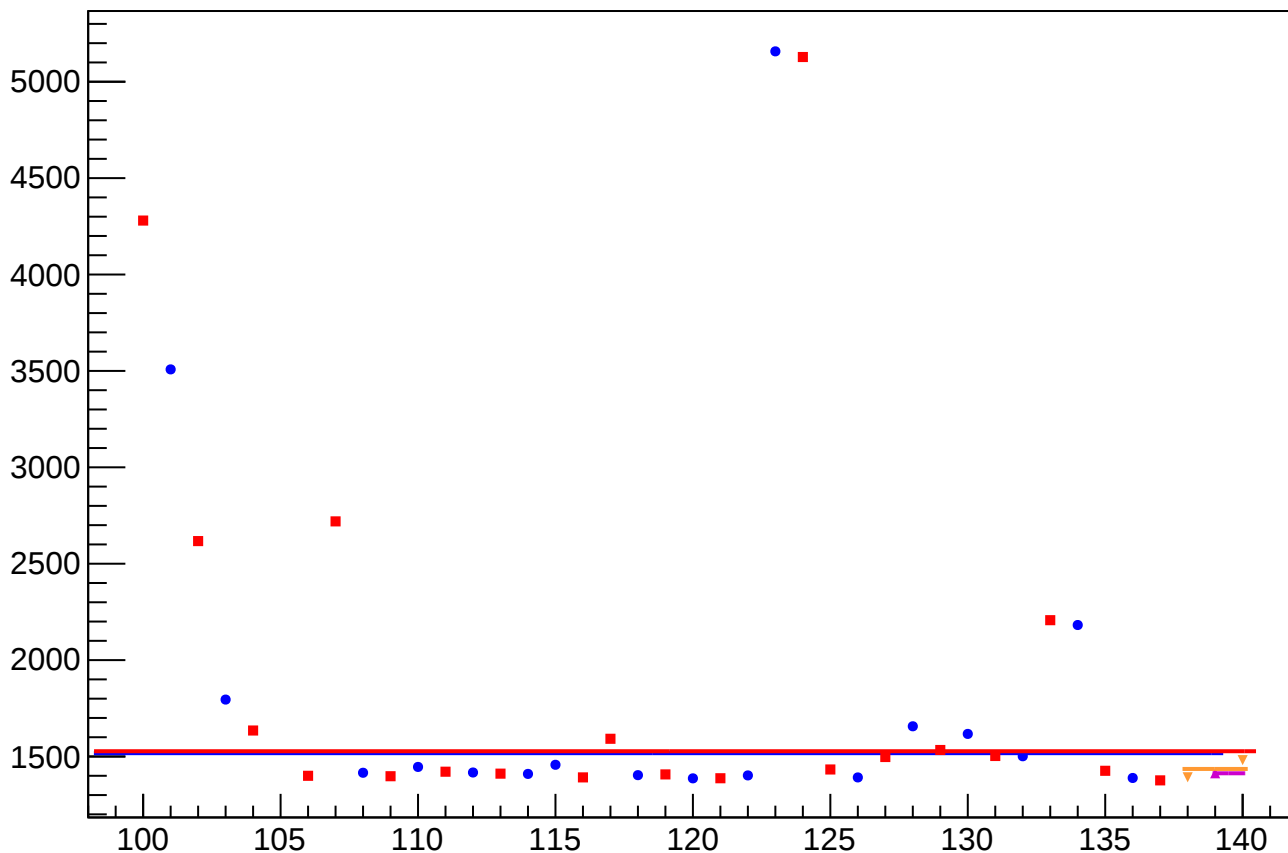
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 3740.923+/-1664.560 χ^2/NDF : 0.0/0

-577.853+/-536.082 χ^2/NDF : 13.8/18

1234.380+/-558.900 χ^2/NDF : 16.5/20

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1435.457+/-0.824 χ^2/NDF : 2911.2/1

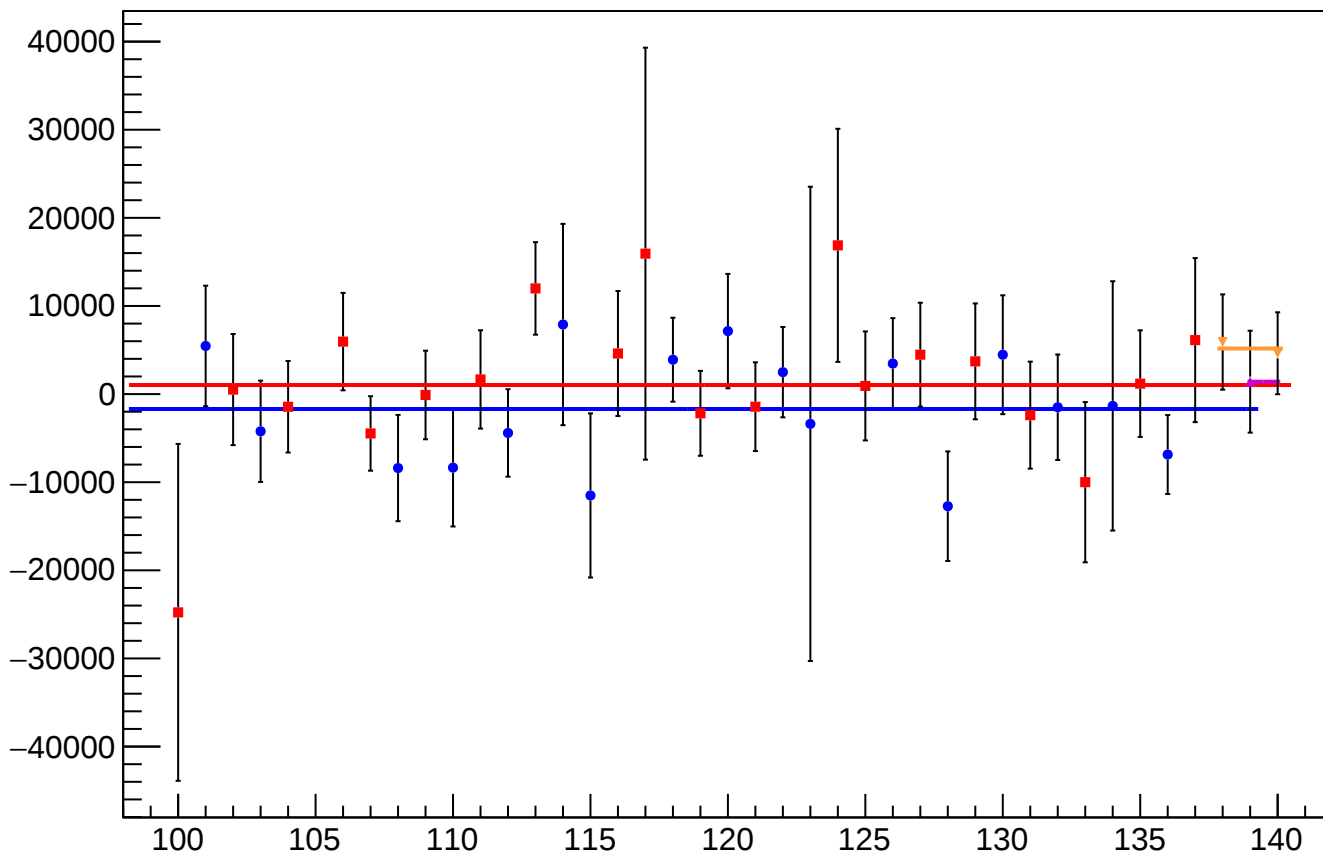
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1413.000+/-1.177 χ^2/NDF : 0.0/0

1500.022+/-0.379 χ^2/NDF : 547352.7/18

1514.483+/-0.395 χ^2/NDF : 640199.3/20

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 5175.069 $\pm$ 3524.577 χ^2 /NDF: 0.0/1

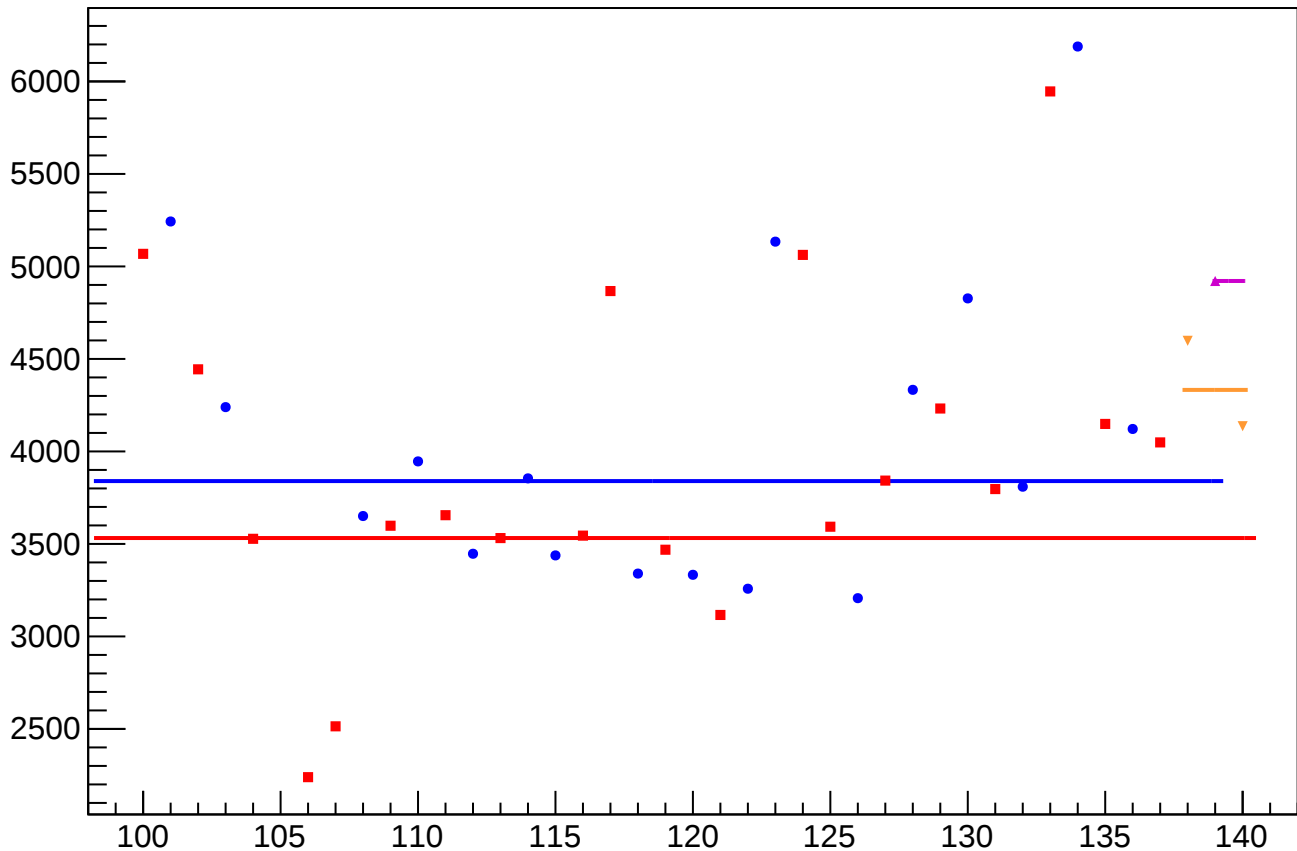
Right Out: 1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

Left In: 1406.211 $\pm$ 5780.732 χ^2 /NDF: 0.0/0

-624.066 $\pm$ 1390.264 χ^2 /NDF: 19.1/18

1049.967 $\pm$ 1339.044 χ^2 /NDF: 14.3/20

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4332.586+/-2.492 χ^2/NDF : 8385.1/1

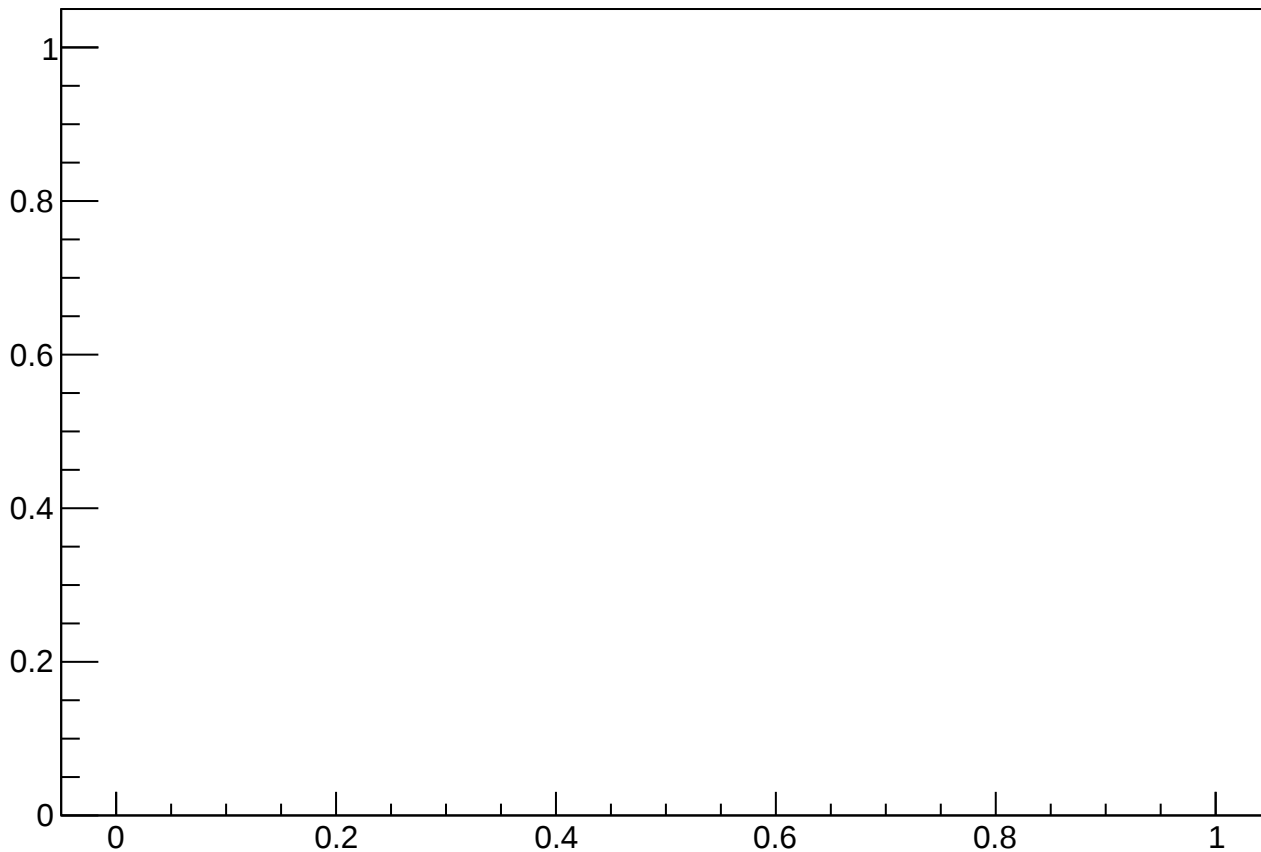
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4921.374+/-4.088 χ^2/NDF : 0.0/0

3916.428+/-0.983 χ^2/NDF : 367364.3/18

3605.163+/-0.939 χ^2/NDF : 670789.1/20

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

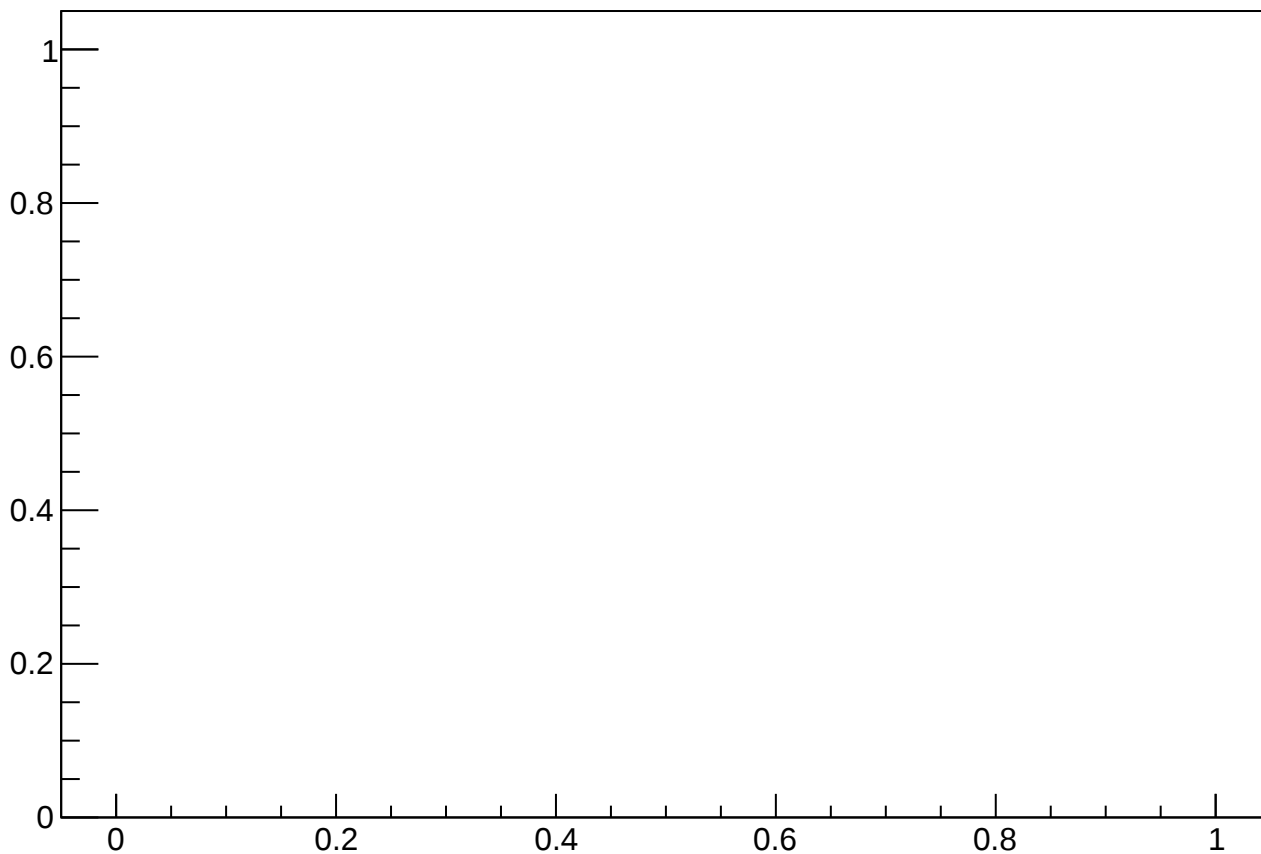
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

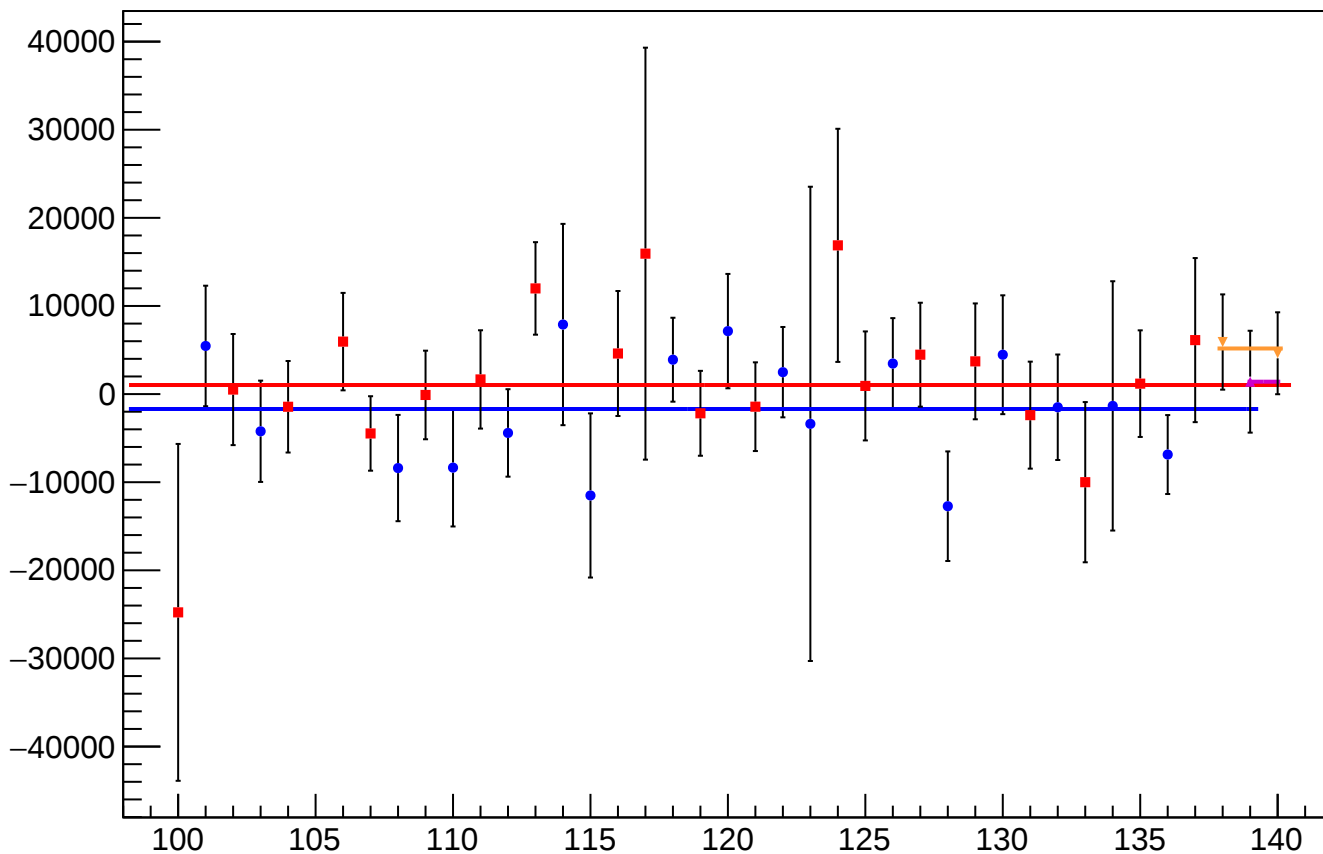
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 5175.069+/-3524.577 χ^2/NDF : 0.0/1

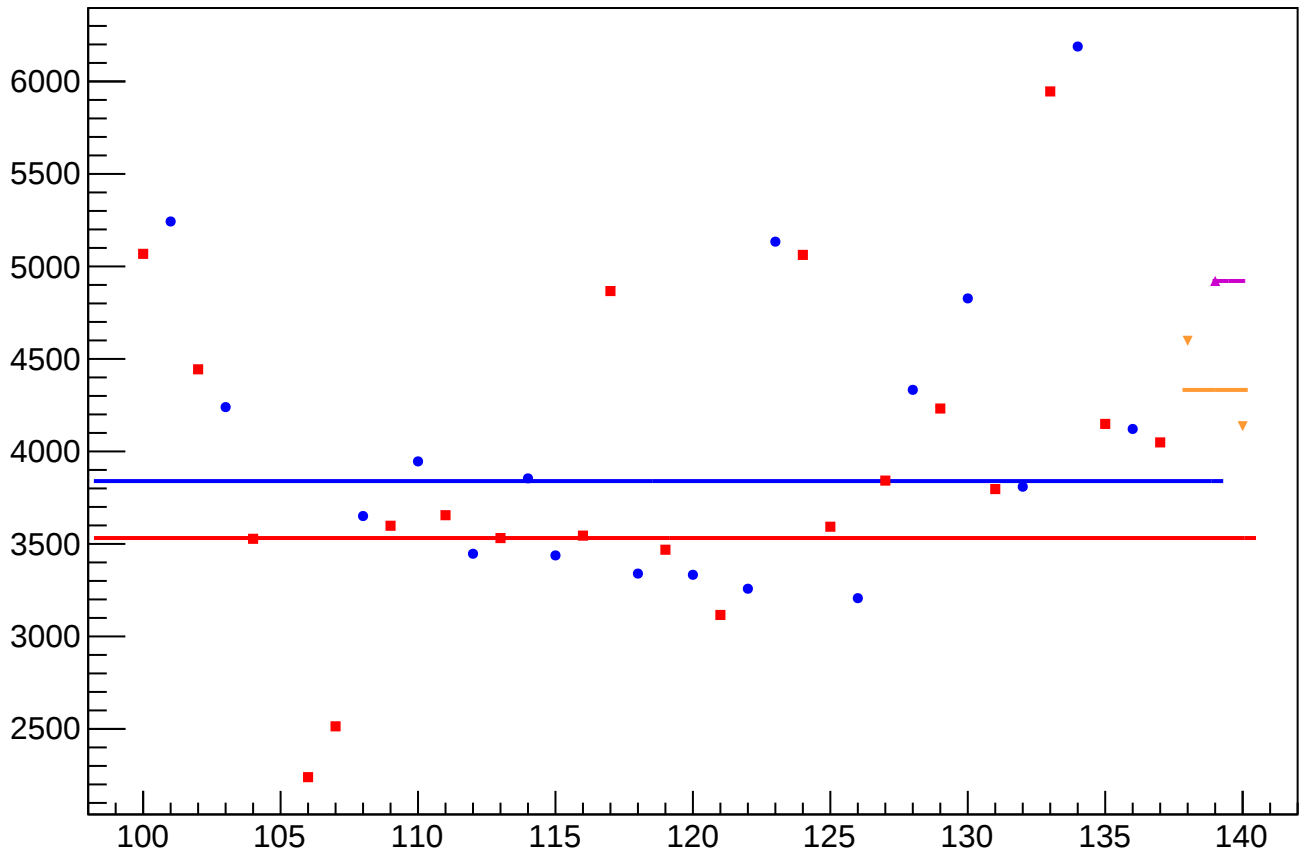
Right Out: 1029.768+/-1376.481 χ^2/NDF : 14.3/19

Left In: 1406.211+/-5780.732 χ^2/NDF : 0.0/0

-624.066+/-1390.264 χ^2/NDF : 19.1/18

1049.967+/-1339.044 χ^2/NDF : 14.3/20

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 $\pm$ 1.070 χ^2/NDF : 325959.2/16

Left Out: 4332.586 $\pm$ 2.492 χ^2/NDF : 8385.1/1

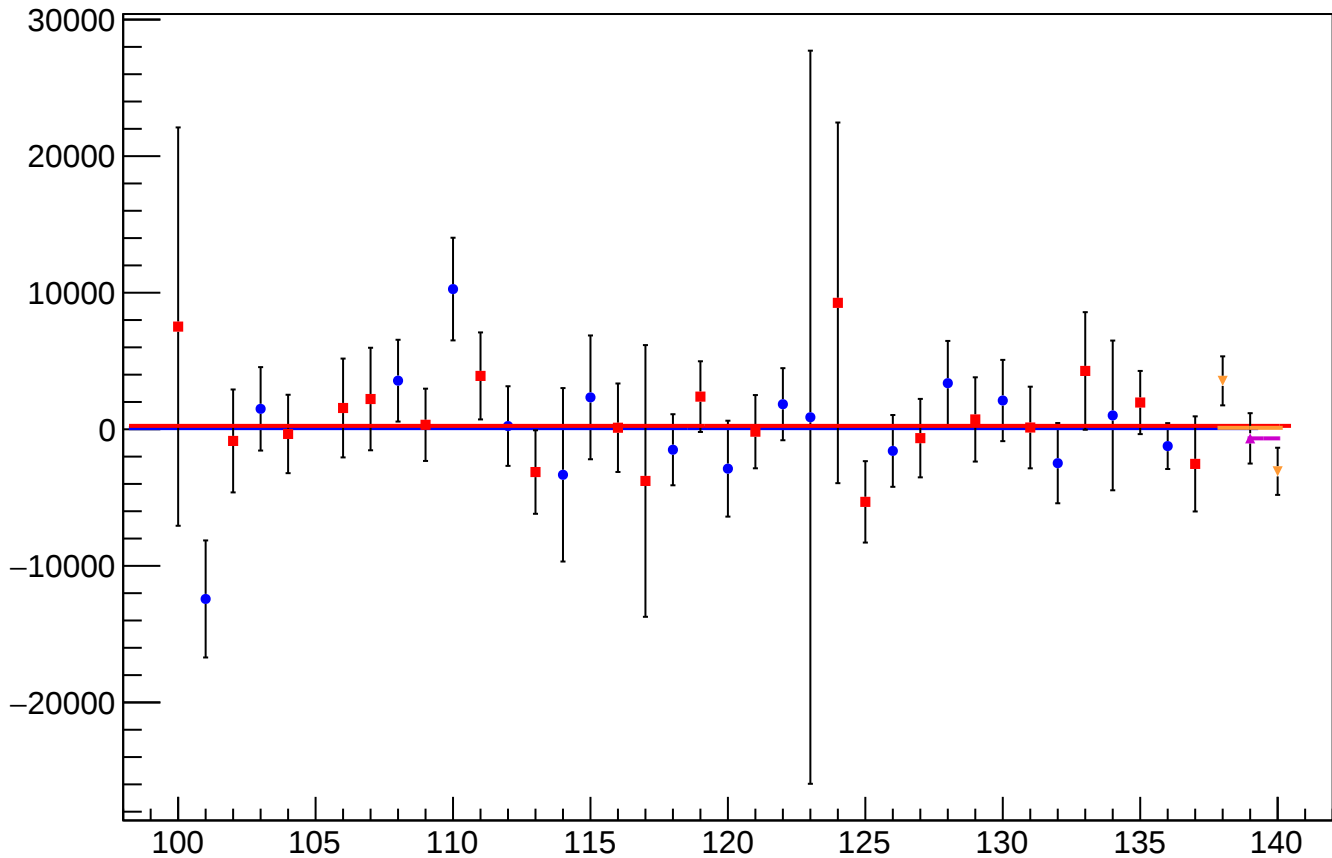
Right Out: 3531.881 $\pm$ 0.965 χ^2/NDF : 561331.4/19

Left In: 4921.374 $\pm$ 4.088 χ^2/NDF : 0.0/0

3916.428 $\pm$ 0.983 χ^2/NDF : 367364.3/18

3605.163 $\pm$ 0.939 χ^2/NDF : 670789.1/20

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: 106.188+/-1244.254 χ^2/NDF : 7.1/1

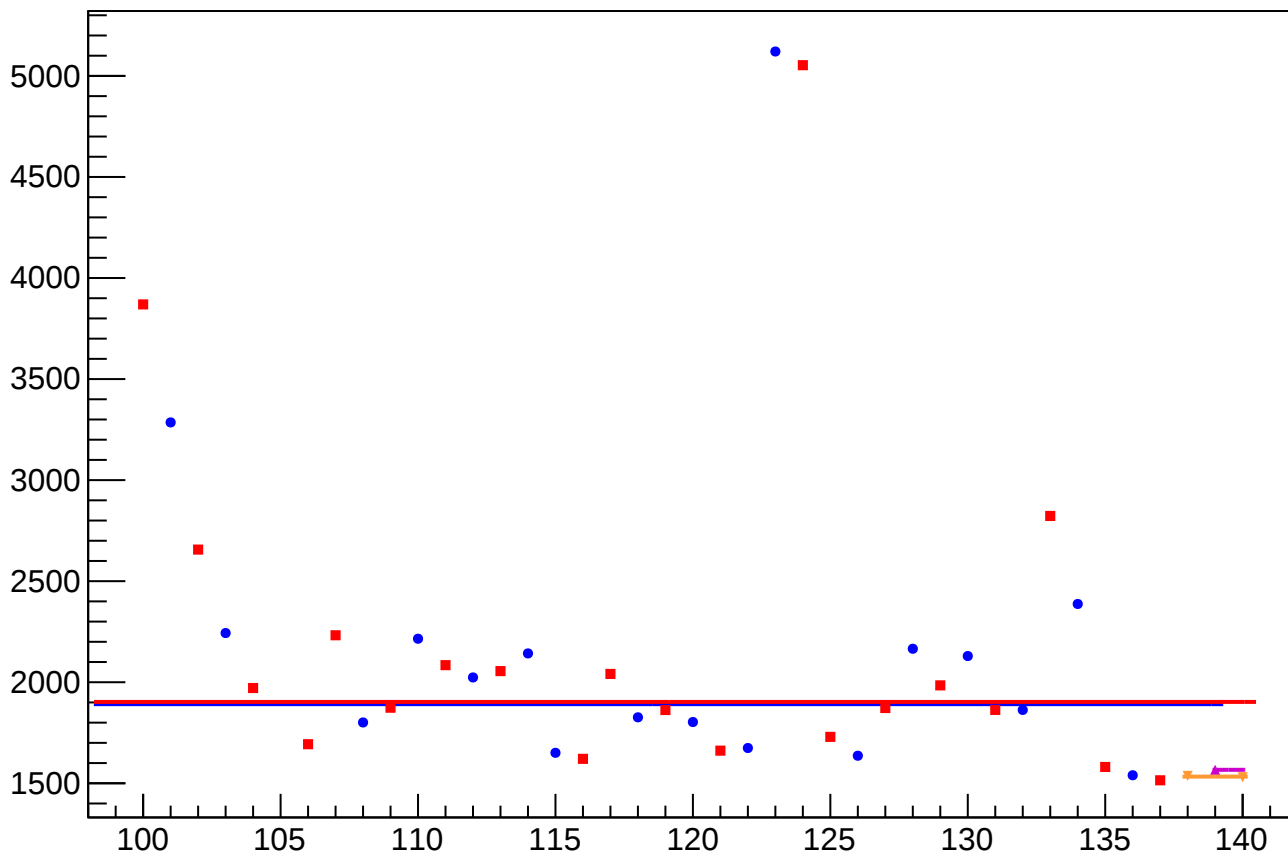
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: -664.634+/-1844.293 χ^2/NDF : 0.0/0

89.817+/-642.678 χ^2/NDF : 30.0/18

126.132+/-680.469 χ^2/NDF : 10.5/20

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1533.010+/-0.880 χ^2/NDF : 15.1/1

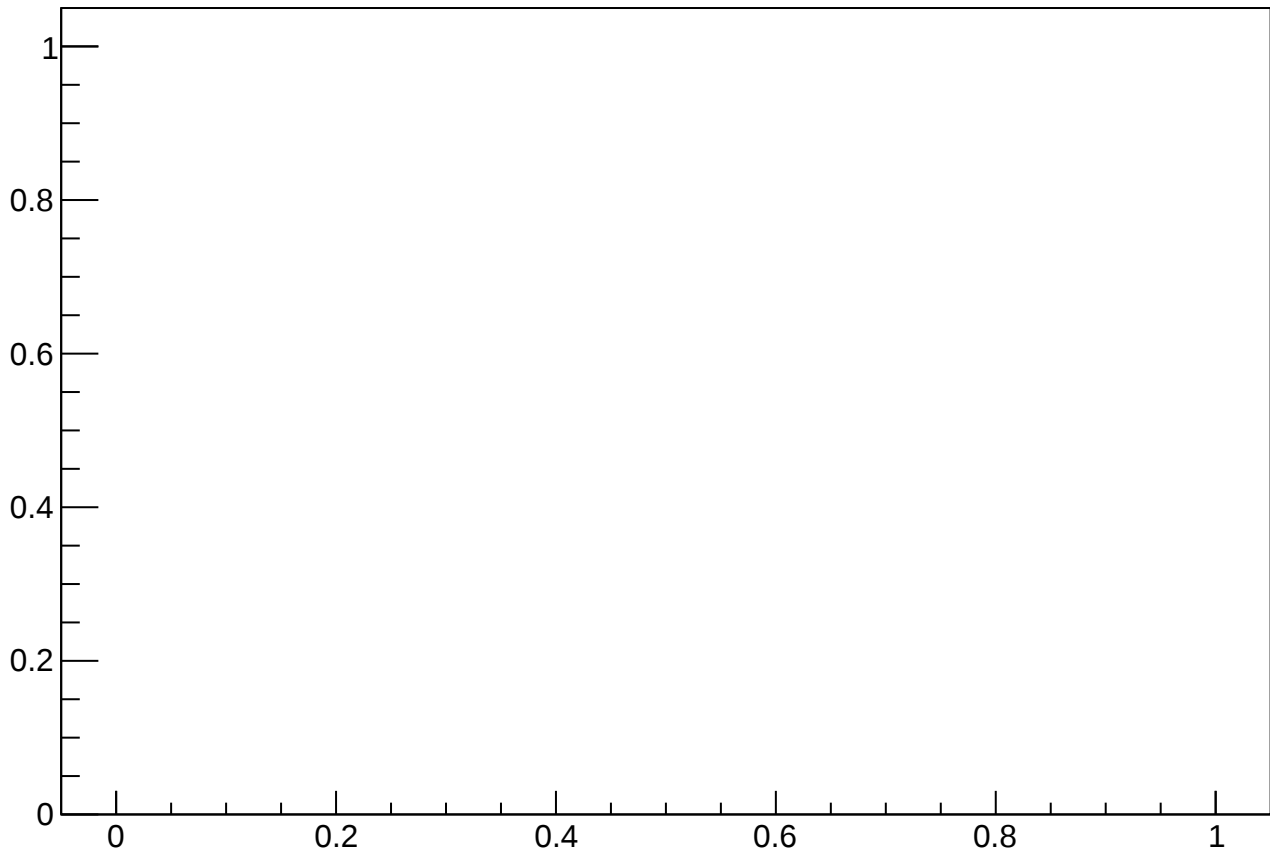
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1566.640+/-1.304 χ^2/NDF : 0.0/0

1795.854+/-0.454 χ^2/NDF : 586237.1/18

1856.824+/-0.481 χ^2/NDF : 518392.3/20

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

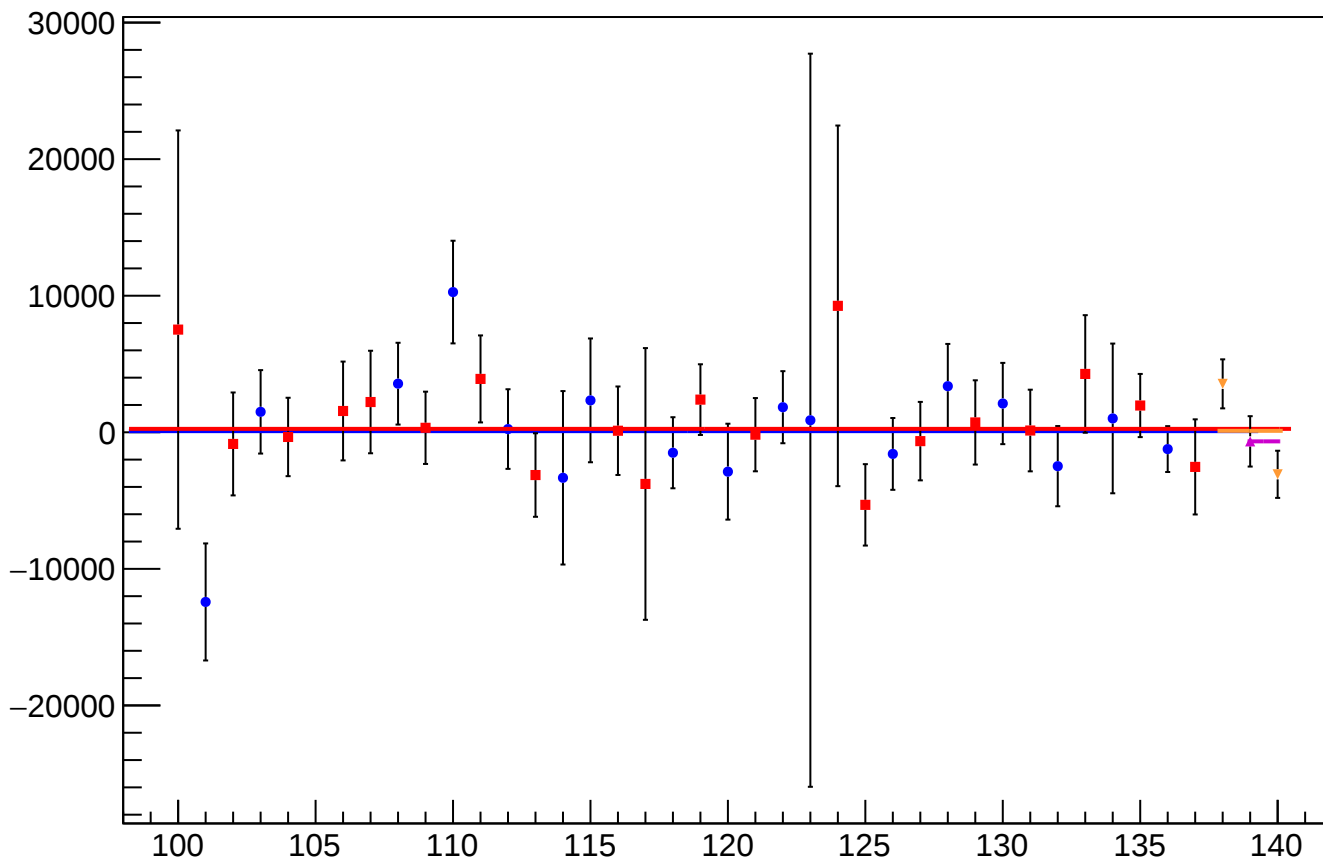
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: 106.188+/-1244.254 χ^2/NDF : 7.1/1

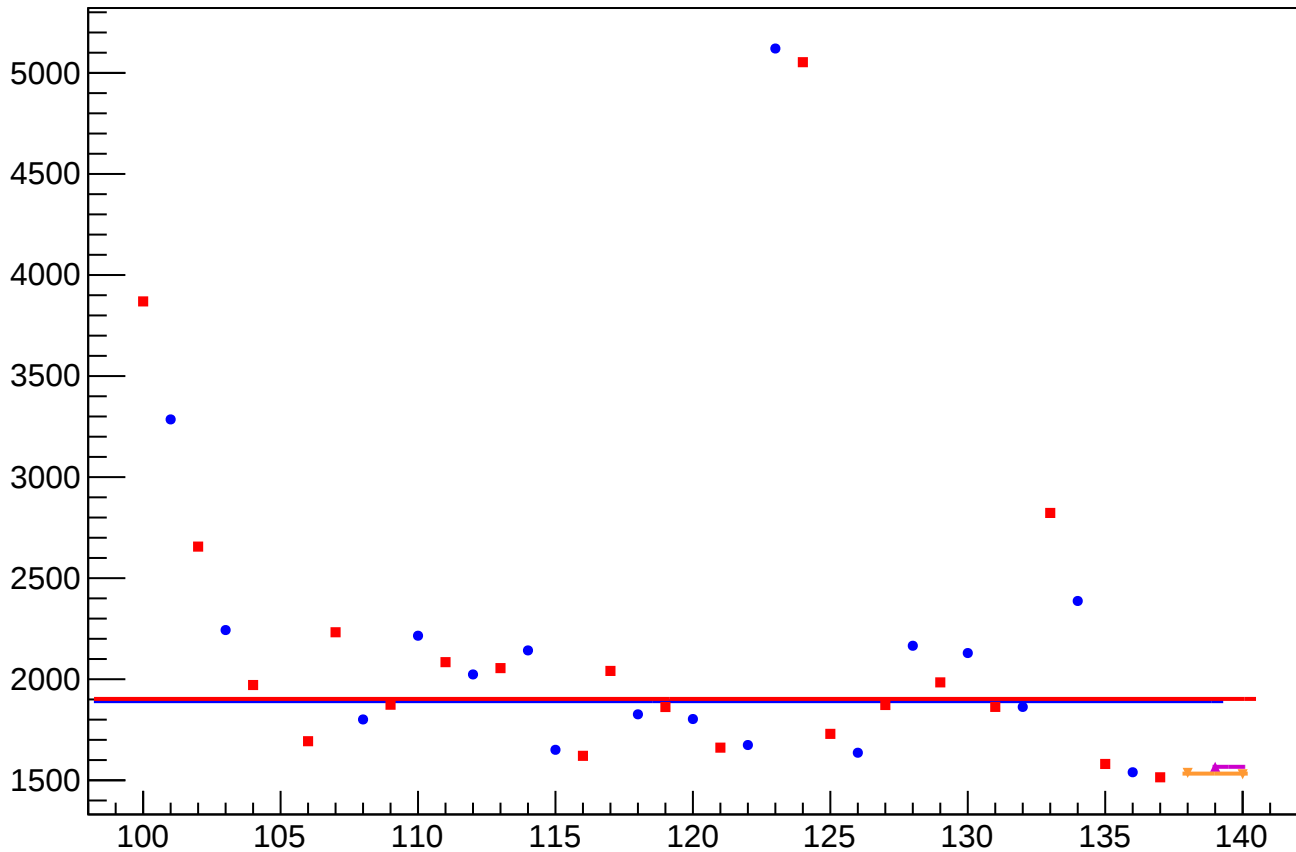
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: -664.634+/-1844.293 χ^2/NDF : 0.0/0

89.817+/-642.678 χ^2/NDF : 30.0/18

126.132+/-680.469 χ^2/NDF : 10.5/20

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1533.010+/-0.880 χ^2/NDF : 15.1/1

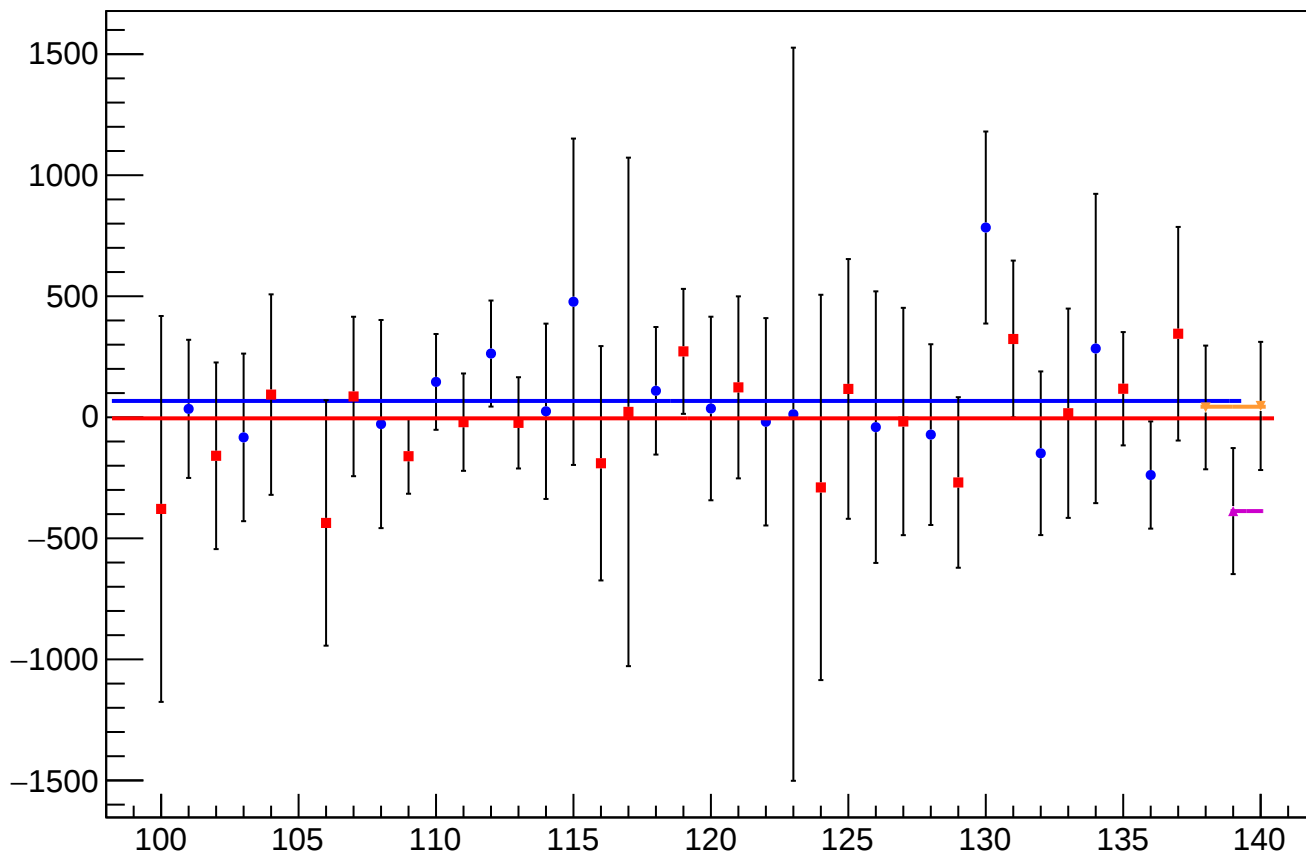
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1566.640+/-1.304 χ^2/NDF : 0.0/0

1795.854+/-0.454 χ^2/NDF : 586237.1/18

1856.824+/-0.481 χ^2/NDF : 518392.3/20

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 43.687+/-183.834 χ^2/NDF : 0.0/1

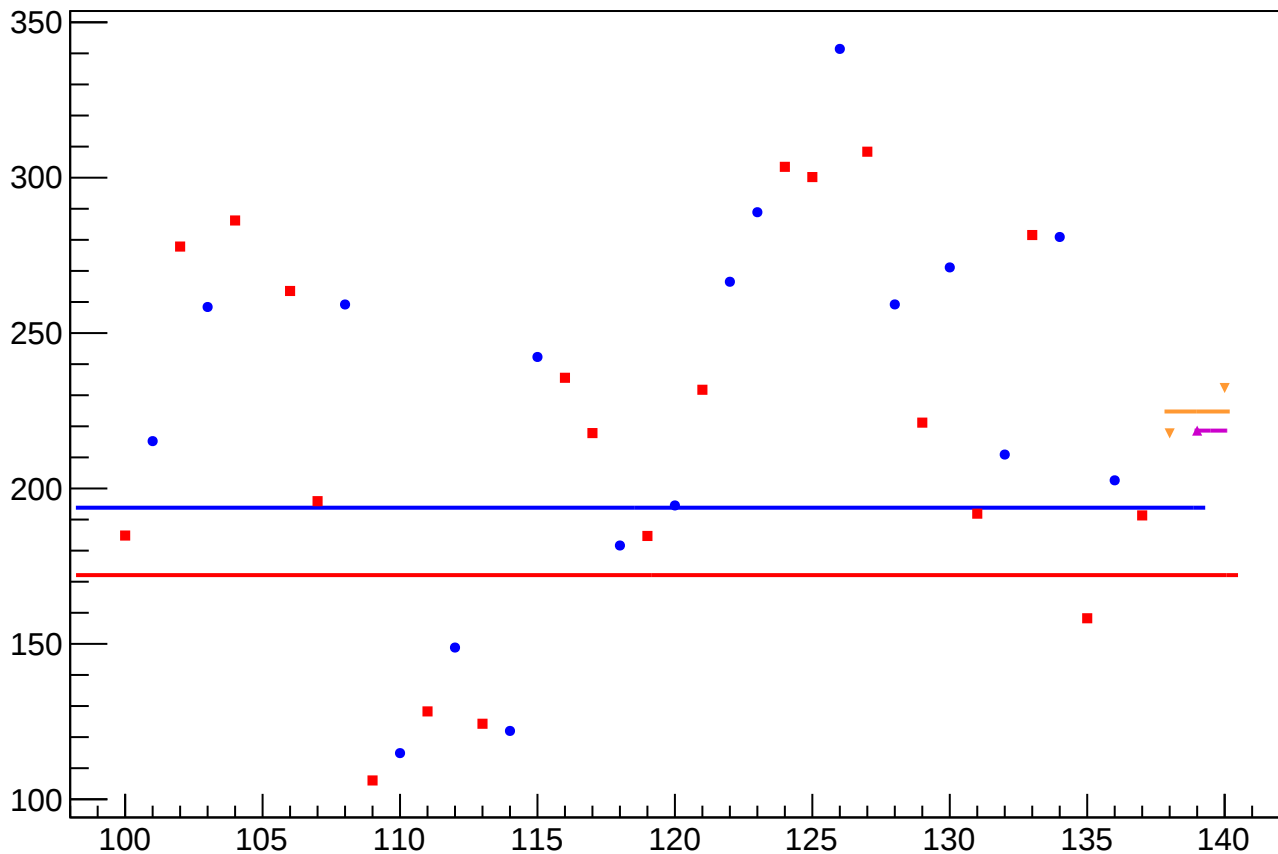
Right Out: -4.305+/-69.854 χ^2/NDF : 6.4/19

Left In: -387.390+/-260.301 χ^2/NDF : 0.0/0

63.775+/-73.052 χ^2/NDF : 7.5/18

-30.040+/-67.467 χ^2/NDF : 8.4/20

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 224.769+/-0.130 χ^2/NDF : 3148.1/1

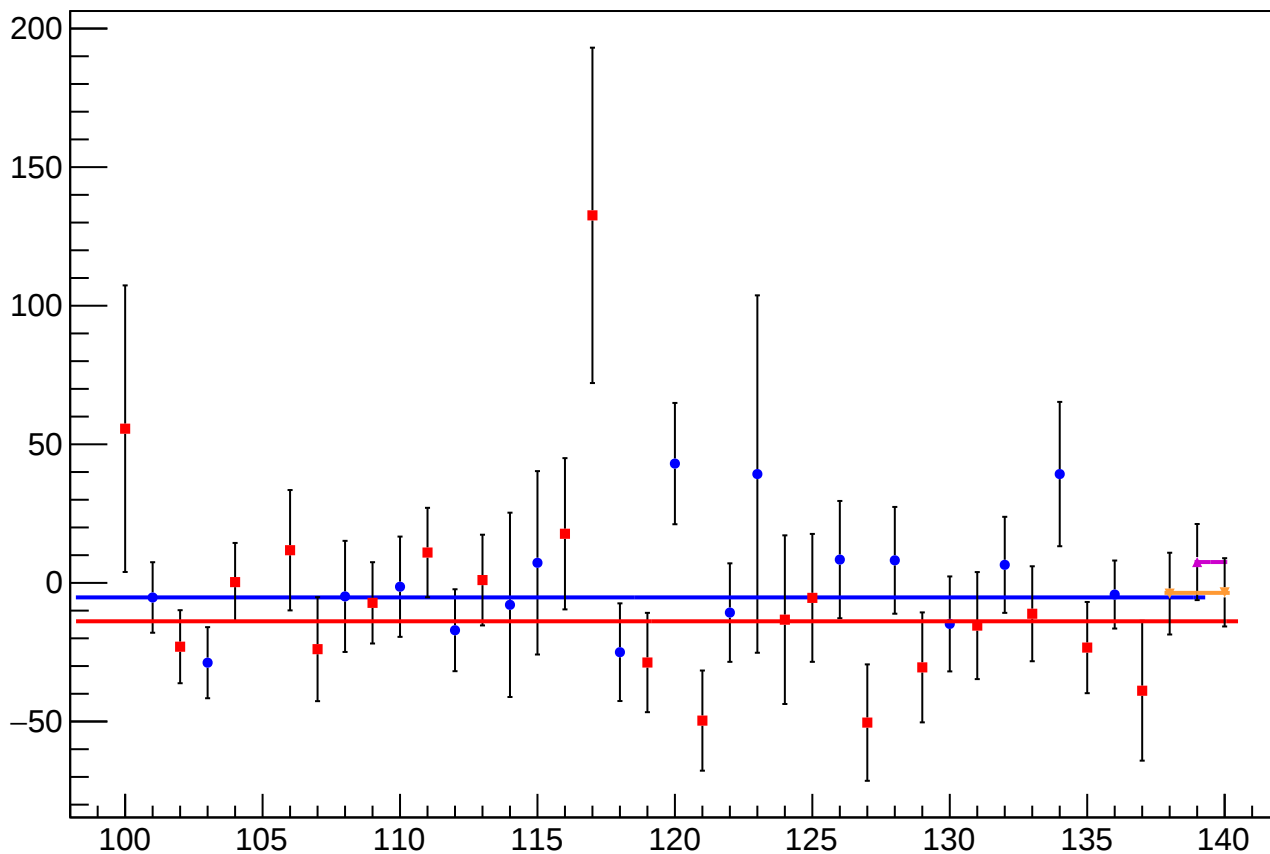
Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

Left In: 218.620+/-0.184 χ^2/NDF : 0.0/0

198.703+/-0.052 χ^2/NDF : 1061221.0/18

175.247+/-0.048 χ^2/NDF : 1640409.1/20

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231+/-4.356 χ^2/NDF : 15.5/16

Left Out: -3.594+/-9.453 χ^2/NDF : 0.0/1

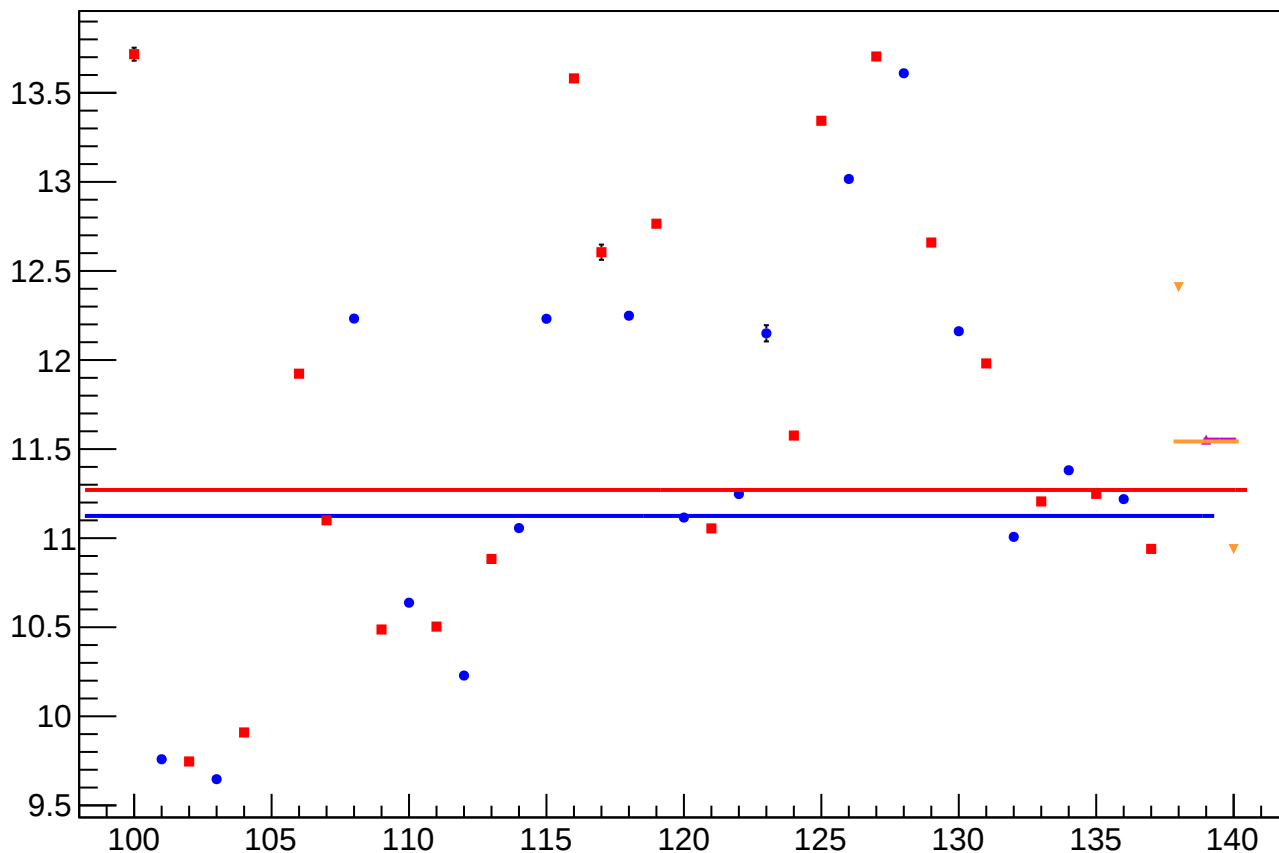
Right Out: -13.851+/-4.255 χ^2/NDF : 25.4/19

Left In: 7.523+/-13.730 χ^2/NDF : 0.0/0

-4.944+/-3.956 χ^2/NDF : 15.5/18

-11.979+/-4.064 χ^2/NDF : 27.6/20

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.543 $\pm$ 0.007 χ^2 /NDF: 11714.1/1

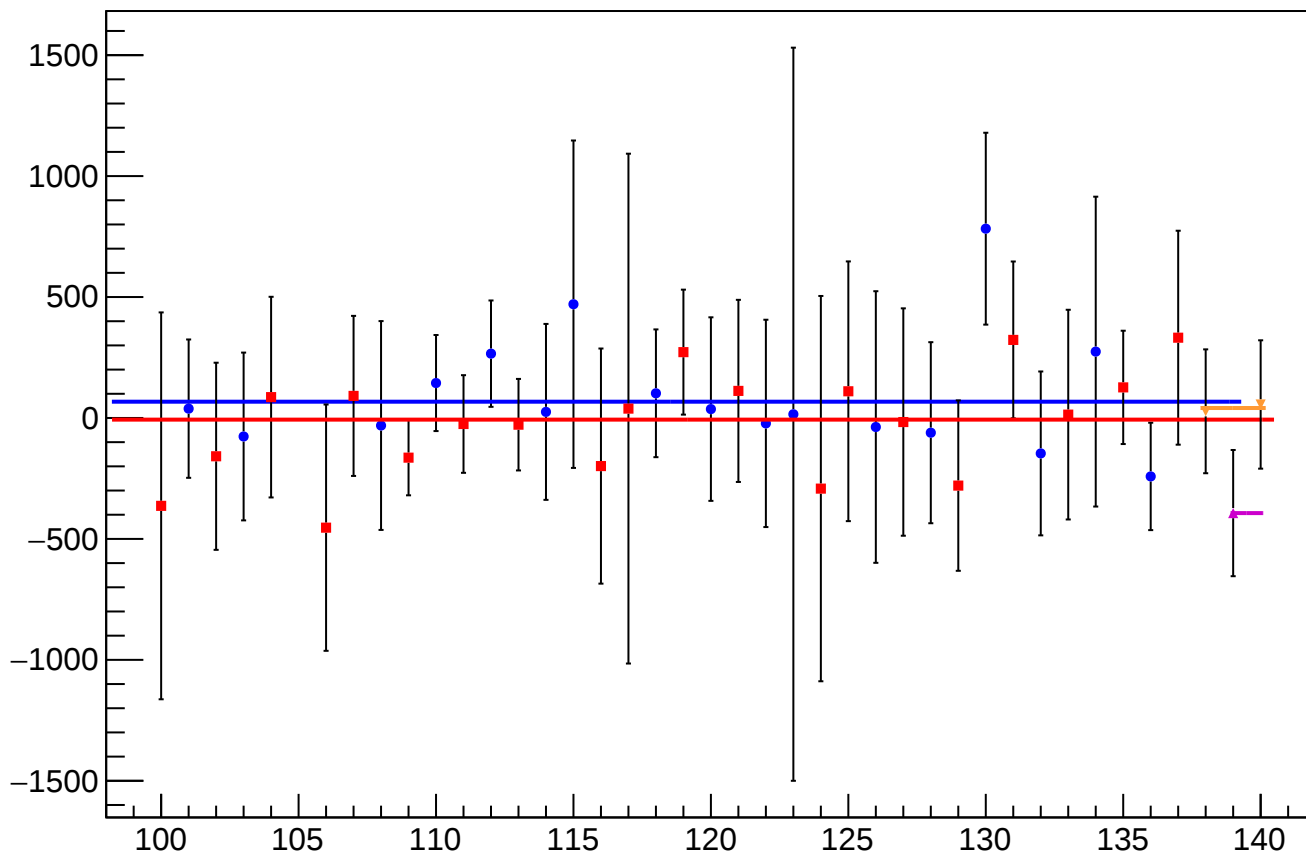
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

Left In: 11.553 $\pm$ 0.010 χ^2 /NDF: 0.0/0

11.198 $\pm$ 0.003 χ^2 /NDF: 147458.4/18

11.295 $\pm$ 0.003 χ^2 /NDF: 149484.9/20

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 41.186+/-184.262 χ^2/NDF : 0.0/1

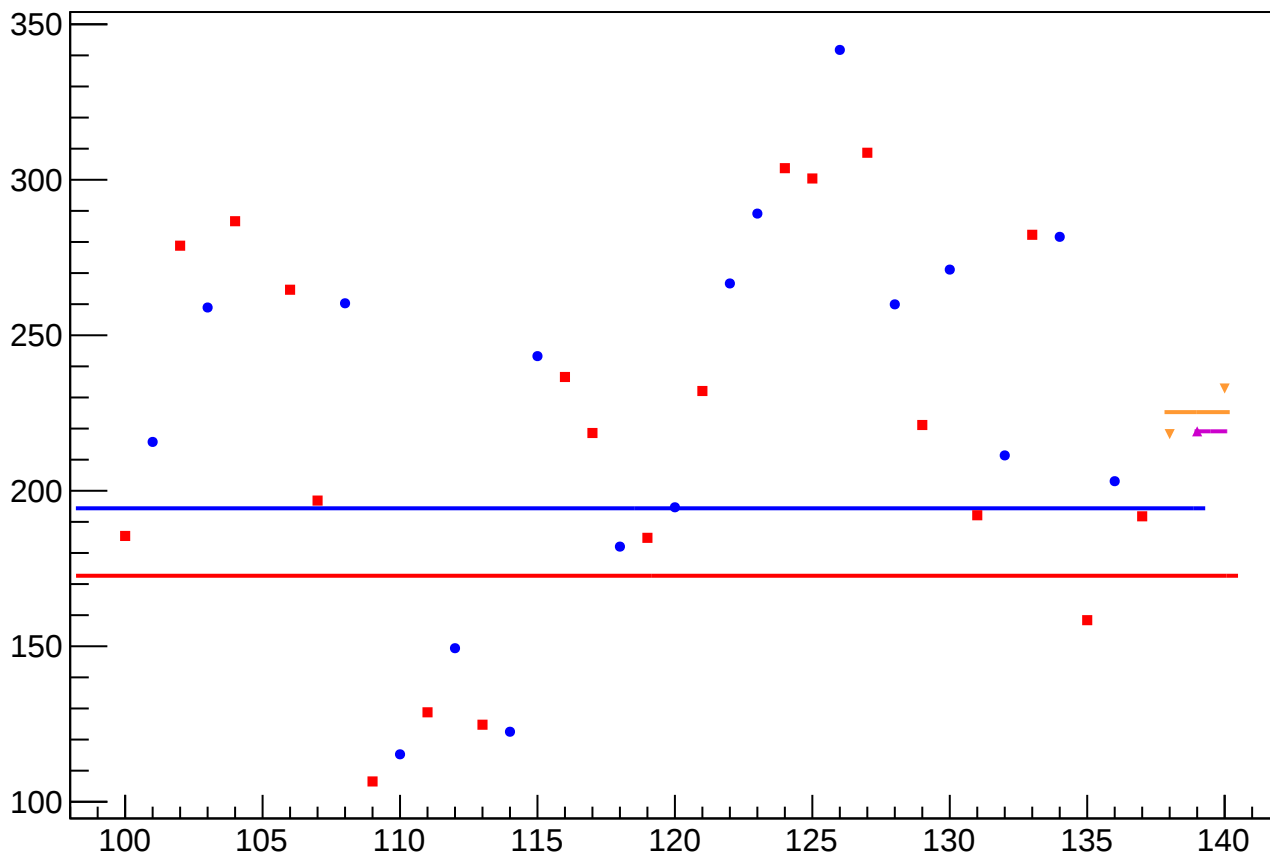
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -393.261+/-260.895 χ^2/NDF : 0.0/0

63.178+/-73.241 χ^2/NDF : 7.5/18

-32.826+/-67.660 χ^2/NDF : 8.5/20

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365+/-0.056 χ^2/NDF : 1005234.4/16

Left Out: 225.290+/-0.130 χ^2/NDF : 3162.2/1

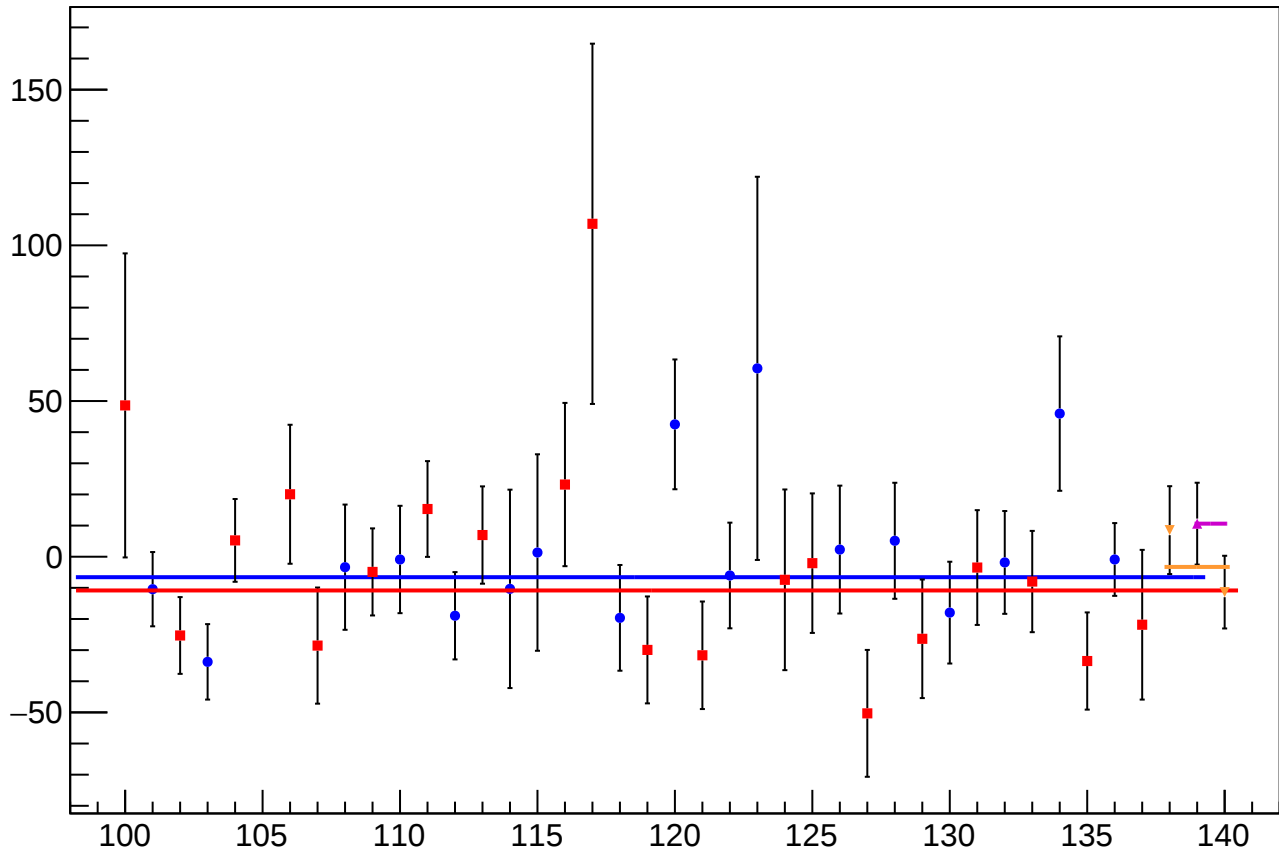
Right Out: 172.675+/-0.050 χ^2/NDF : 1573459.1/19

Left In: 219.118+/-0.184 χ^2/NDF : 0.0/0

199.251+/-0.052 χ^2/NDF : 1055831.6/18

175.799+/-0.048 χ^2/NDF : 1632574.7/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 $\pm$ 4.157 χ^2/NDF : 19.3/16

Left Out: -3.280 $\pm$ 8.996 χ^2/NDF : 1.2/1

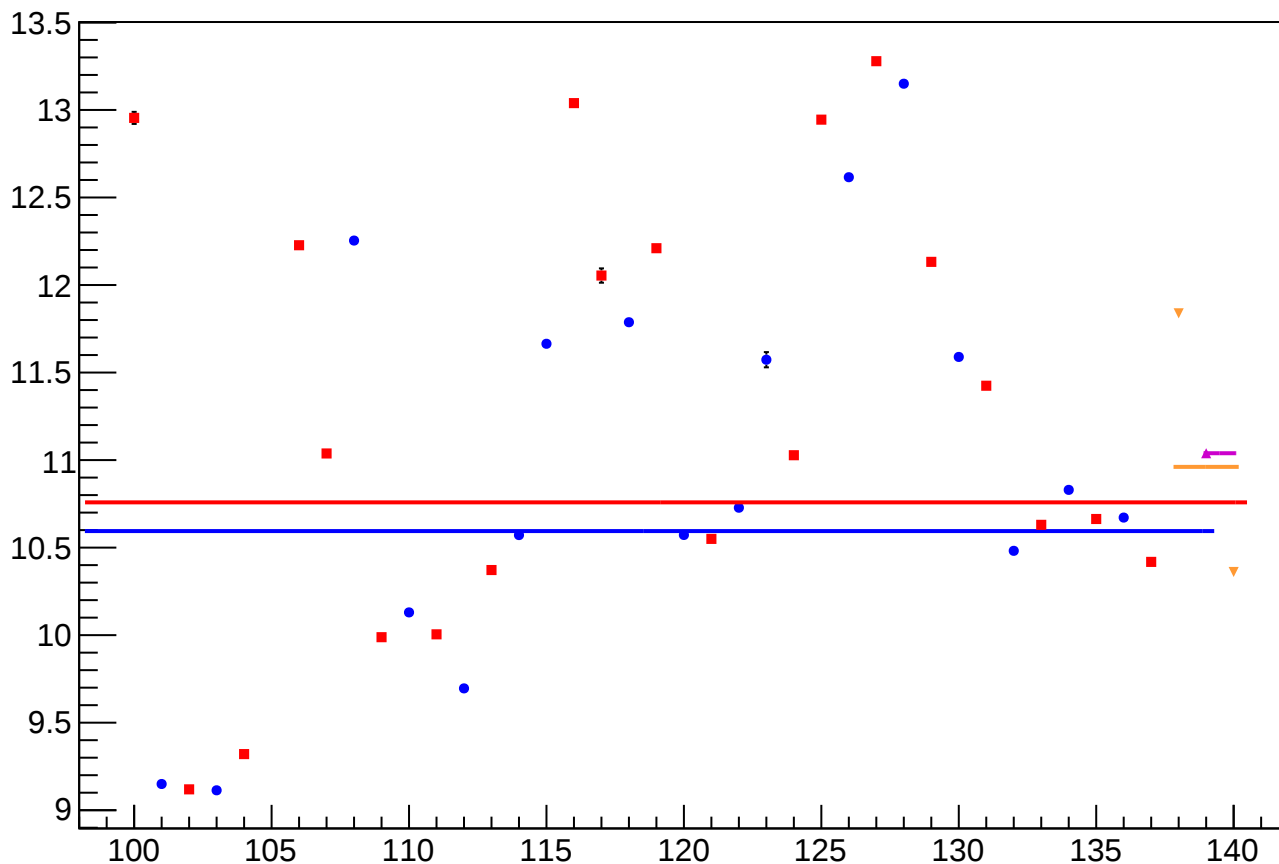
Right Out: -10.838 $\pm$ 4.070 χ^2/NDF : 27.1/19

Left In: 10.617 $\pm$ 13.145 χ^2/NDF : 0.0/0

-5.996 $\pm$ 3.774 χ^2/NDF : 20.6/18

-8.961 $\pm$ 3.888 χ^2/NDF : 29.6/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.961 $\pm$ 0.006 χ^2 /NDF:13013.5/1

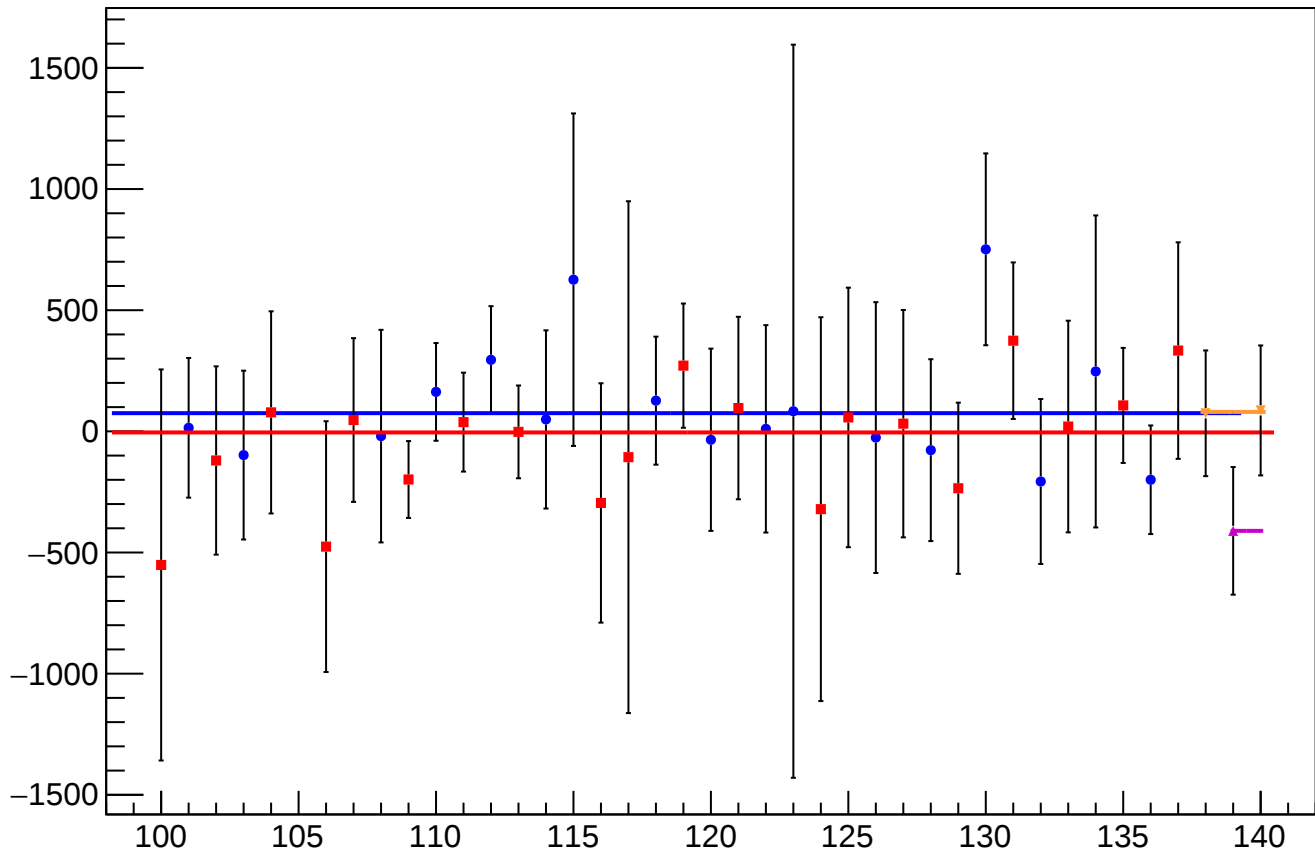
Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

Left In: 11.039 $\pm$ 0.009 χ^2 /NDF:0.0/0

10.659 $\pm$ 0.003 χ^2 /NDF: 175811.1/18

10.783 $\pm$ 0.003 χ^2 /NDF: 179013.0/20

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086+/-80.352 χ^2/NDF : 7.7/16

Left Out: 80.286+/-186.418 χ^2/NDF : 0.0/1

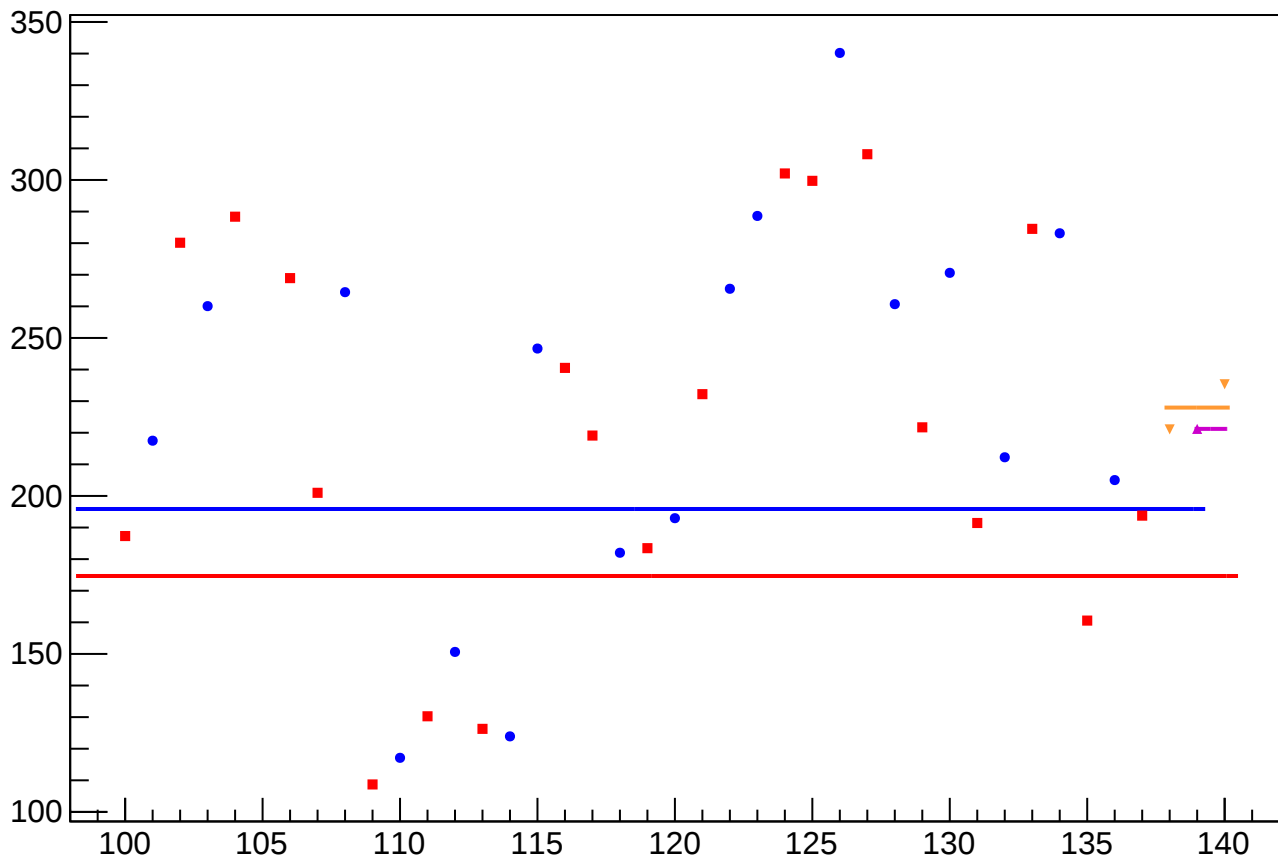
Right Out: -4.459+/-70.724 χ^2/NDF : 7.3/19

Left In: -410.643+/-263.367 χ^2/NDF : 0.0/0

75.901+/-73.789 χ^2/NDF : 7.7/18

-31.780+/-68.304 χ^2/NDF : 9.6/20

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 227.964 $\pm$ 0.132 χ^2 /NDF: 2931.0/1

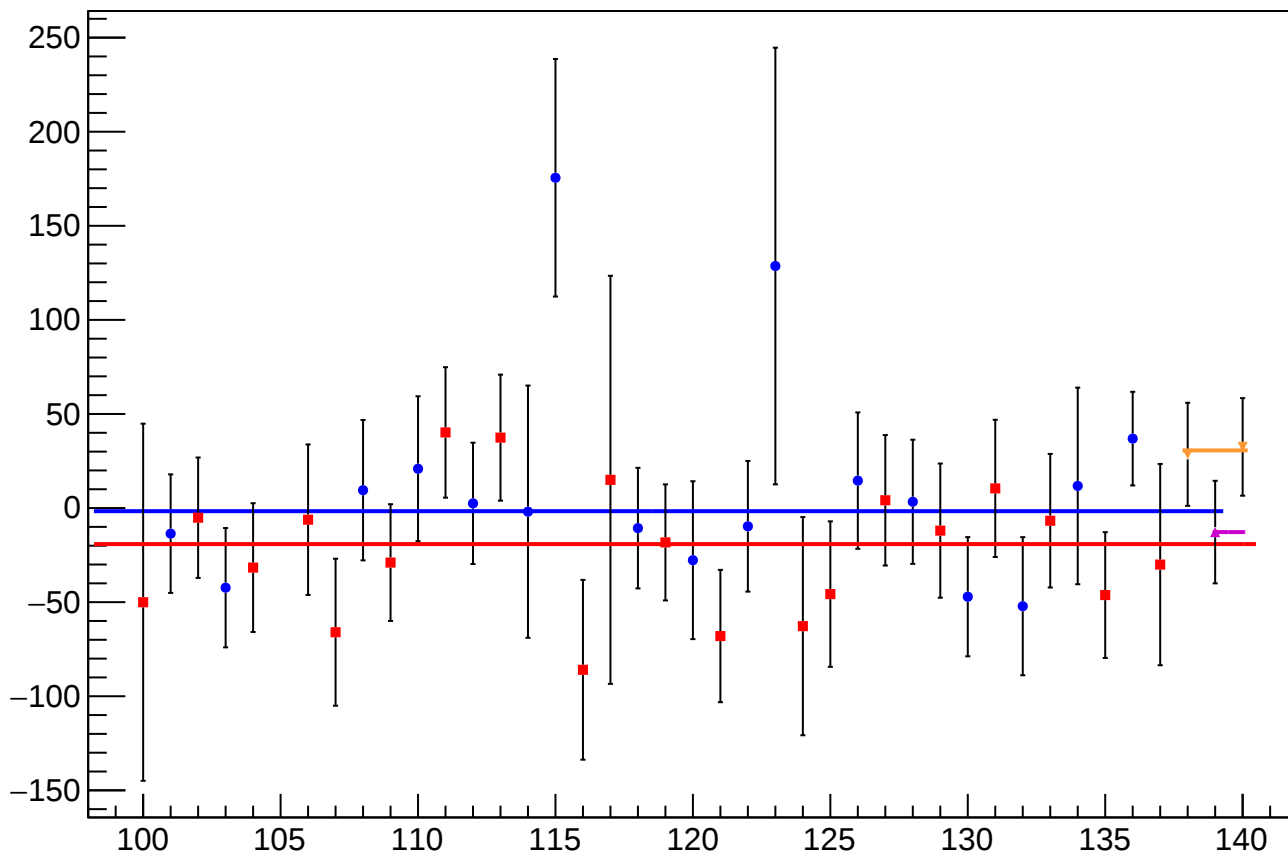
Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

Left In: 221.223 $\pm$ 0.186 χ^2 /NDF: 0.0/0

200.897 $\pm$ 0.052 χ^2 /NDF: 1032174.2/18

177.797 $\pm$ 0.048 χ^2 /NDF: 1590634.0/20

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 30.644 ± 18.829 χ^2/NDF : 0.0/1

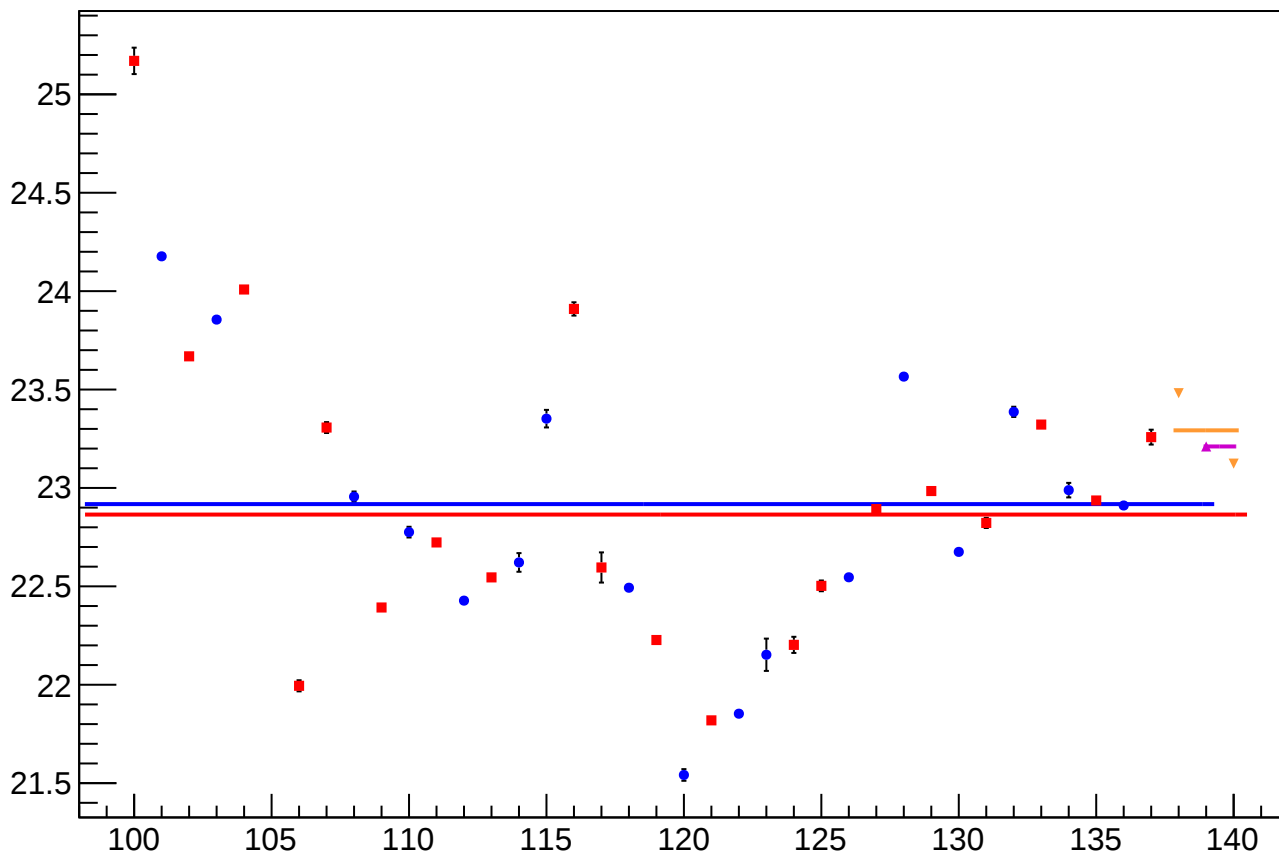
Right Out: -19.145 ± 8.529 χ^2/NDF : 14.9/19

Left In: -12.764 ± 27.247 χ^2/NDF : 0.0/0

4.224 ± 8.032 χ^2/NDF : 21.0/18

-18.575 ± 8.140 χ^2/NDF : 14.9/20

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 23.293 $\pm$ 0.013 χ^2 /NDF:180.1/1

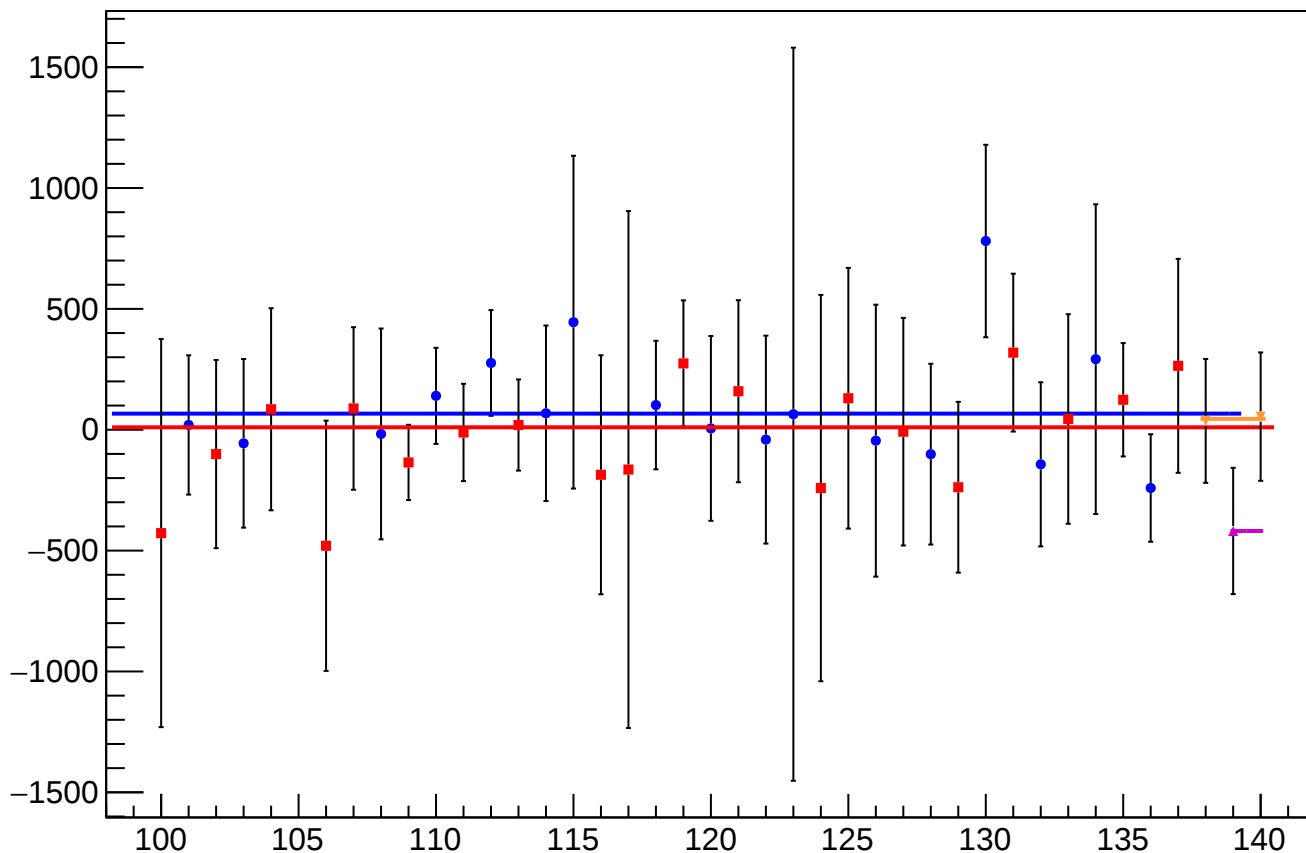
Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11064.9/19

Left In: 23.211 $\pm$ 0.019 χ^2 /NDF:0.0/0

22.986 $\pm$ 0.006 χ^2 /NDF: 12300.6/18

22.896 $\pm$ 0.006 χ^2 /NDF: 11358.8/20

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701+/-79.995 χ^2/NDF : 7.5/16

Left Out: 45.110+/-184.376 χ^2/NDF : 0.0/1

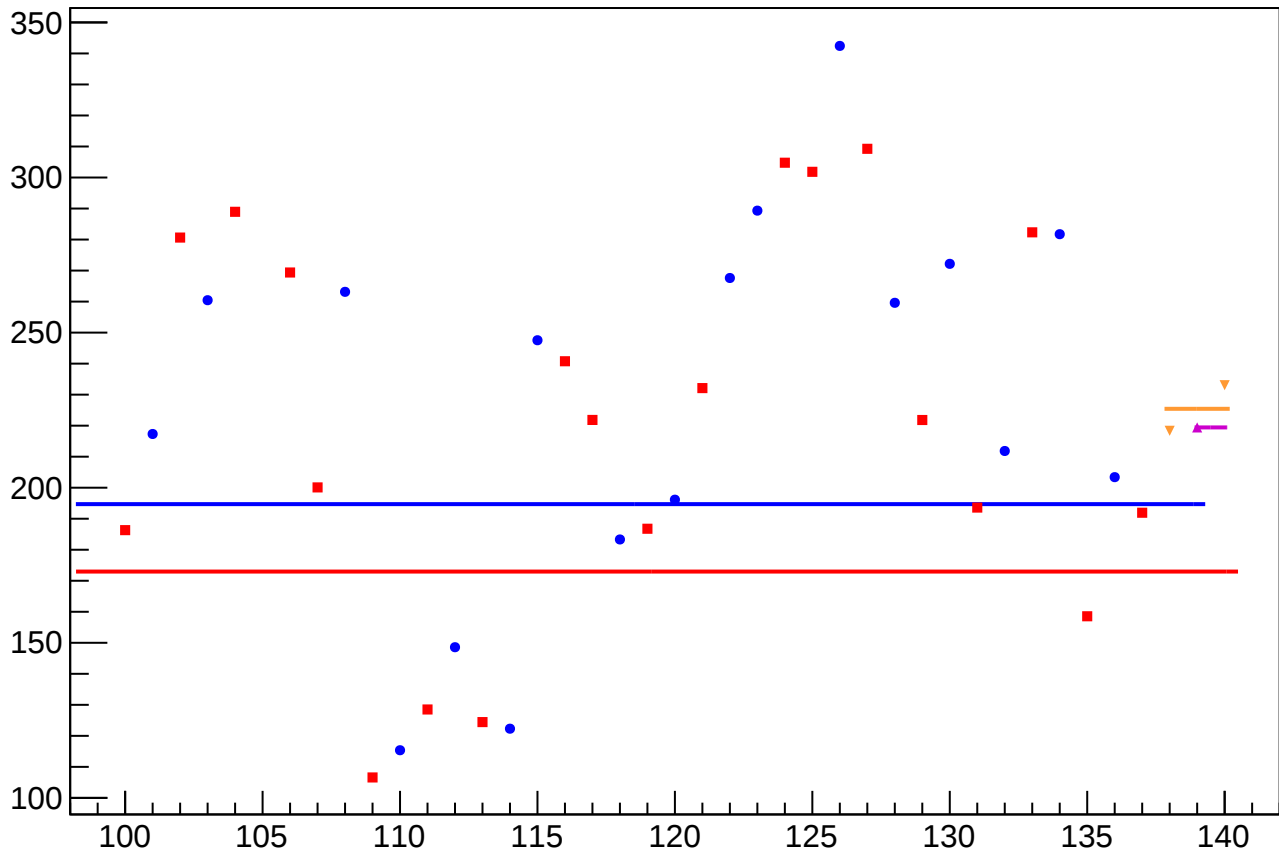
Right Out: 10.113+/-70.234 χ^2/NDF : 5.7/19

Left In: -418.773+/-261.268 χ^2/NDF : 0.0/0

63.280+/-73.386 χ^2/NDF : 7.5/18

-18.792+/-67.826 χ^2/NDF : 8.2/20

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 225.434+/-0.130 χ^2/NDF : 3174.1/1

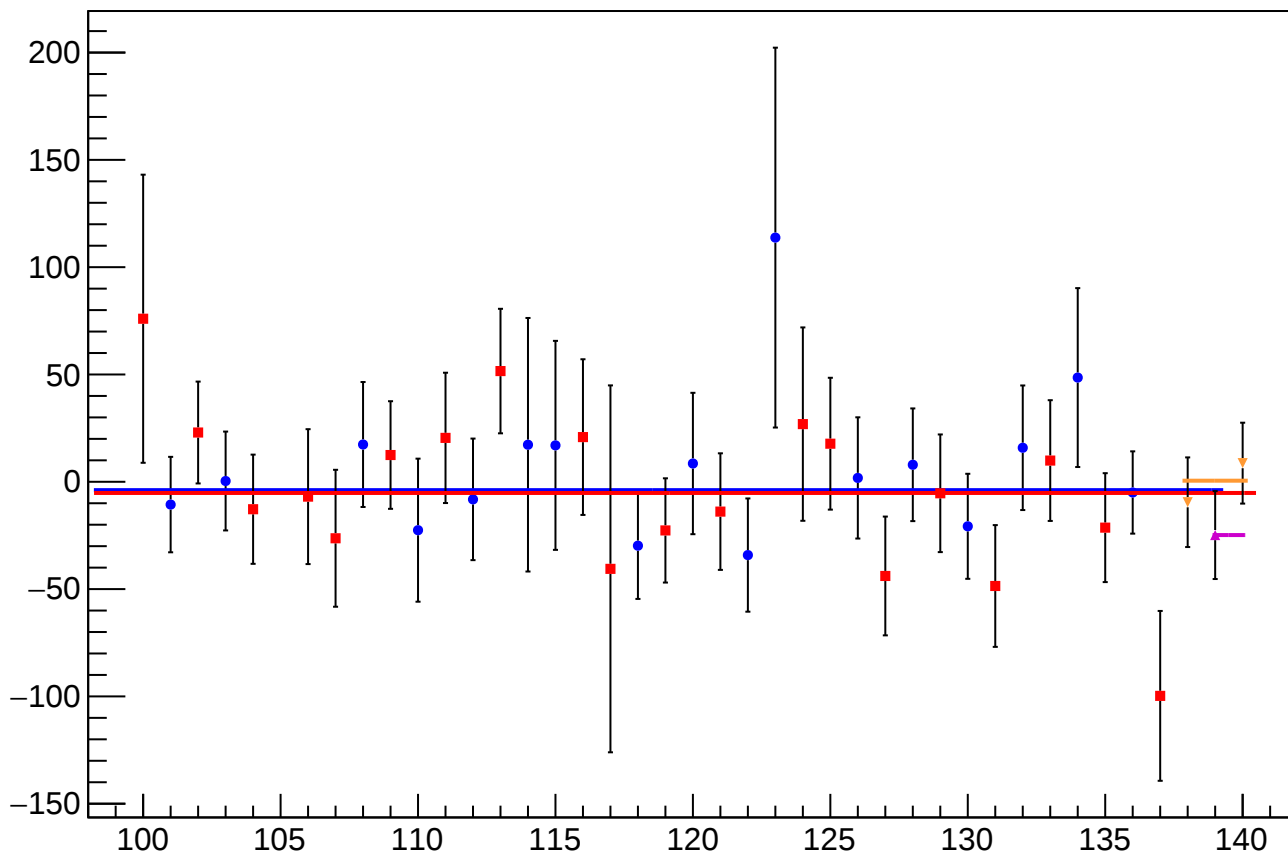
Right Out: 172.965+/-0.050 χ^2/NDF : 1601142.0/19

Left In: 219.433+/-0.185 χ^2/NDF : 0.0/0

199.571+/-0.052 χ^2/NDF : 1069807.2/18

176.097+/-0.048 χ^2/NDF : 1660142.6/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 0.512 ± 13.991 χ^2/NDF : 0.4/1

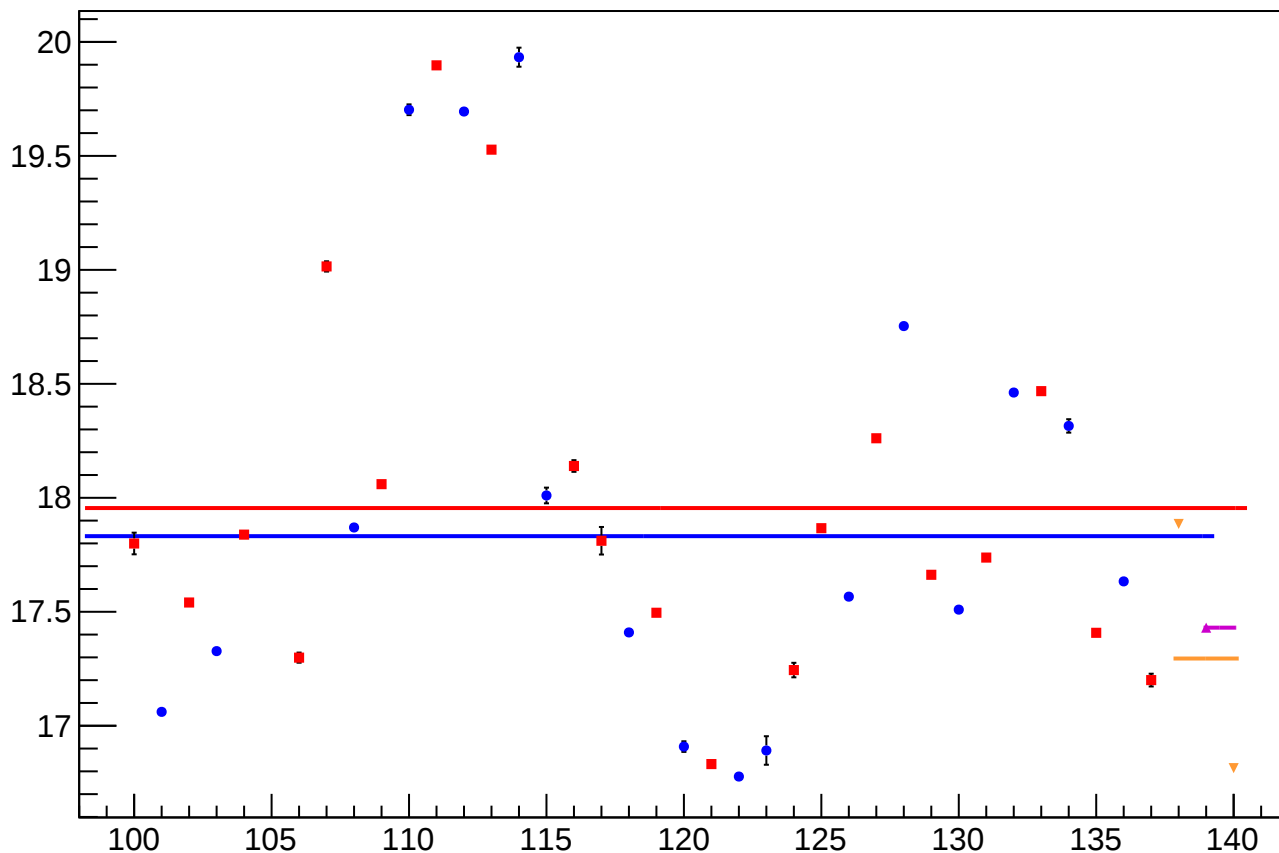
Right Out: -5.204 ± 6.706 χ^2/NDF : 21.5/19

Left In: -24.822 ± 20.484 χ^2/NDF : 0.0/0

-3.029 ± 6.199 χ^2/NDF : 8.9/18

-7.103 ± 6.373 χ^2/NDF : 22.3/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.295 $\pm$ 0.010 χ^2 /NDF:2900.5/1

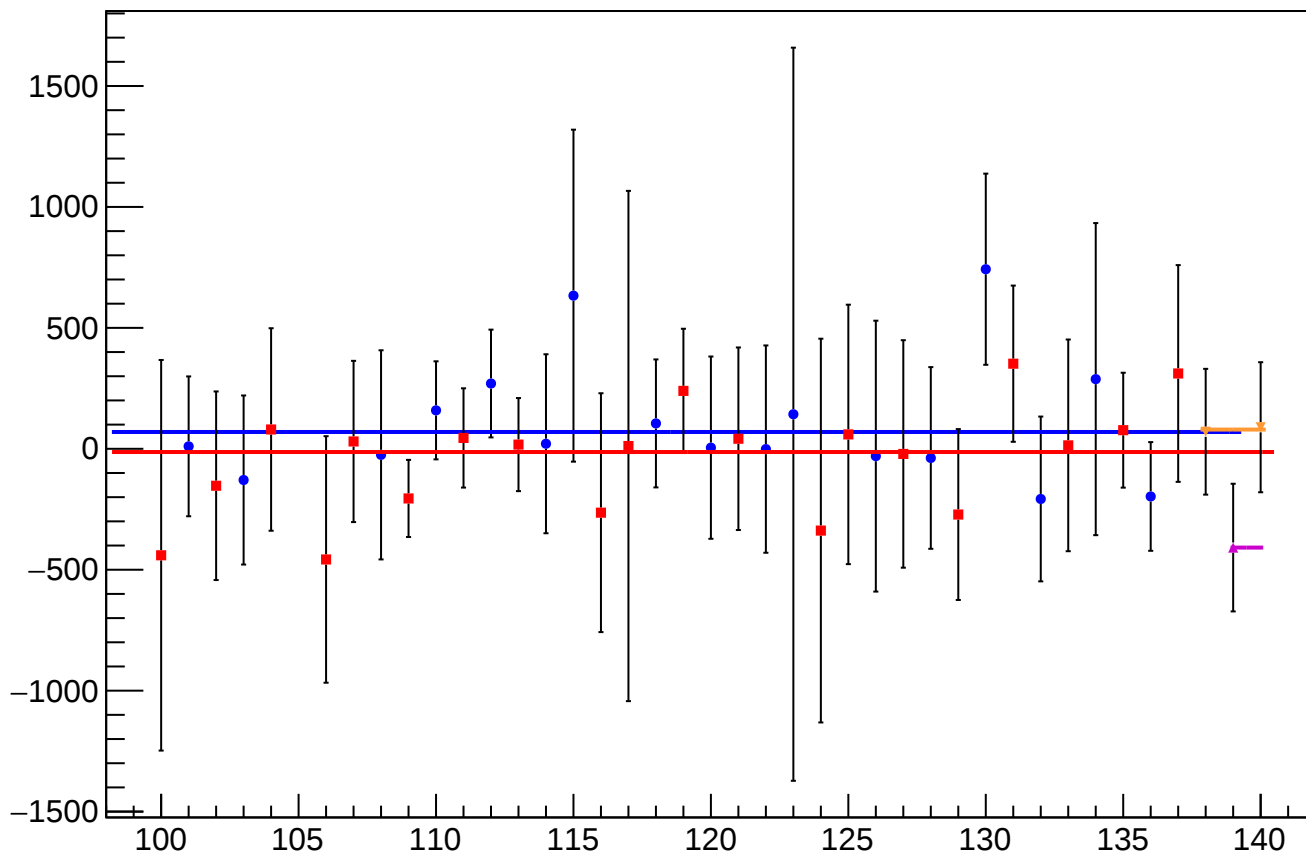
Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25454.6/19

Left In: 17.430 $\pm$ 0.014 χ^2 /NDF:0.0/0

17.726 $\pm$ 0.004 χ^2 /NDF: 36130.1/18

17.904 $\pm$ 0.005 χ^2 /NDF: 26639.9/20

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 79.526+/-186.904 χ^2/NDF : 0.0/1

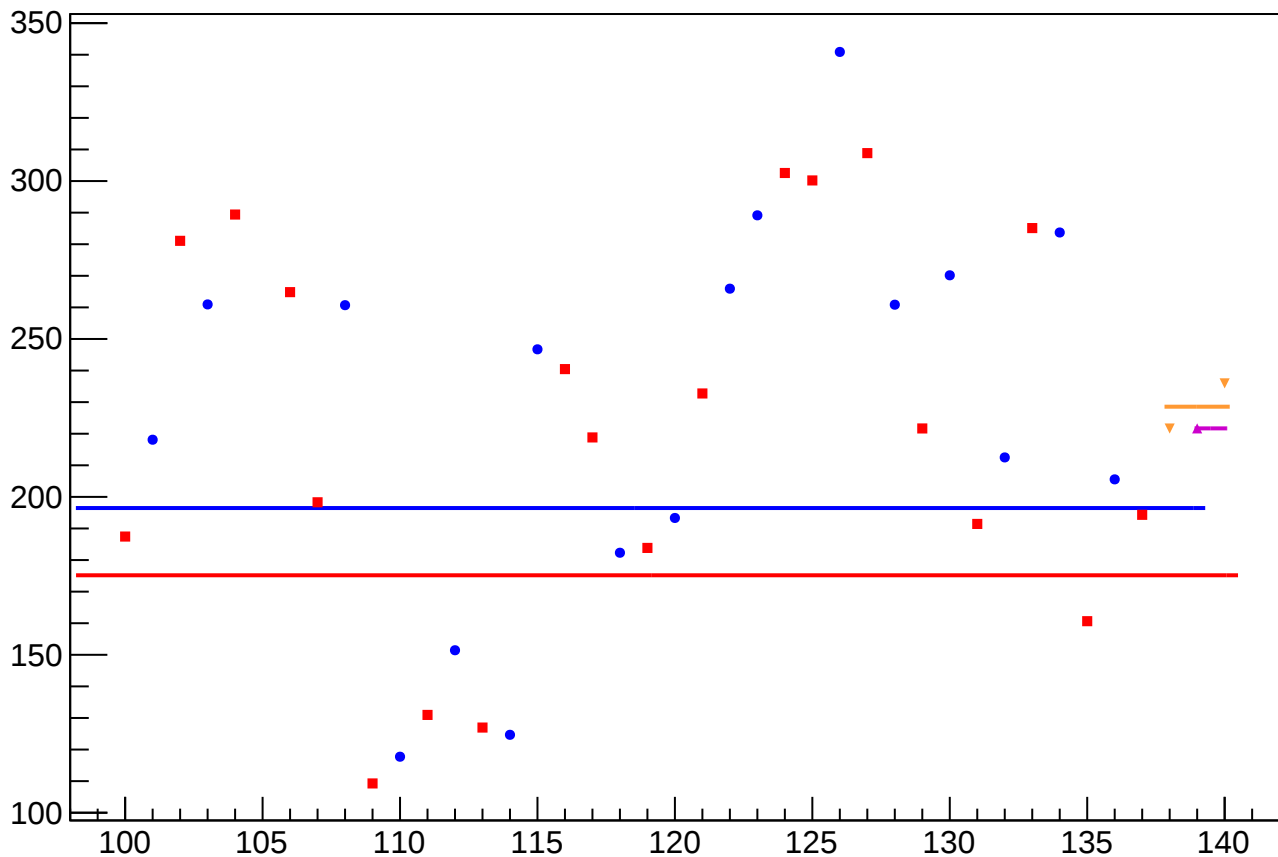
Right Out: -13.298+/-70.881 χ^2/NDF : 6.7/19

Left In: -408.439+/-263.925 χ^2/NDF : 0.0/0

71.079+/-73.973 χ^2/NDF : 7.4/18

-39.880+/-68.455 χ^2/NDF : 8.8/20

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 228.557 $\pm$ 0.132 χ^2 /NDF:2921.7/1

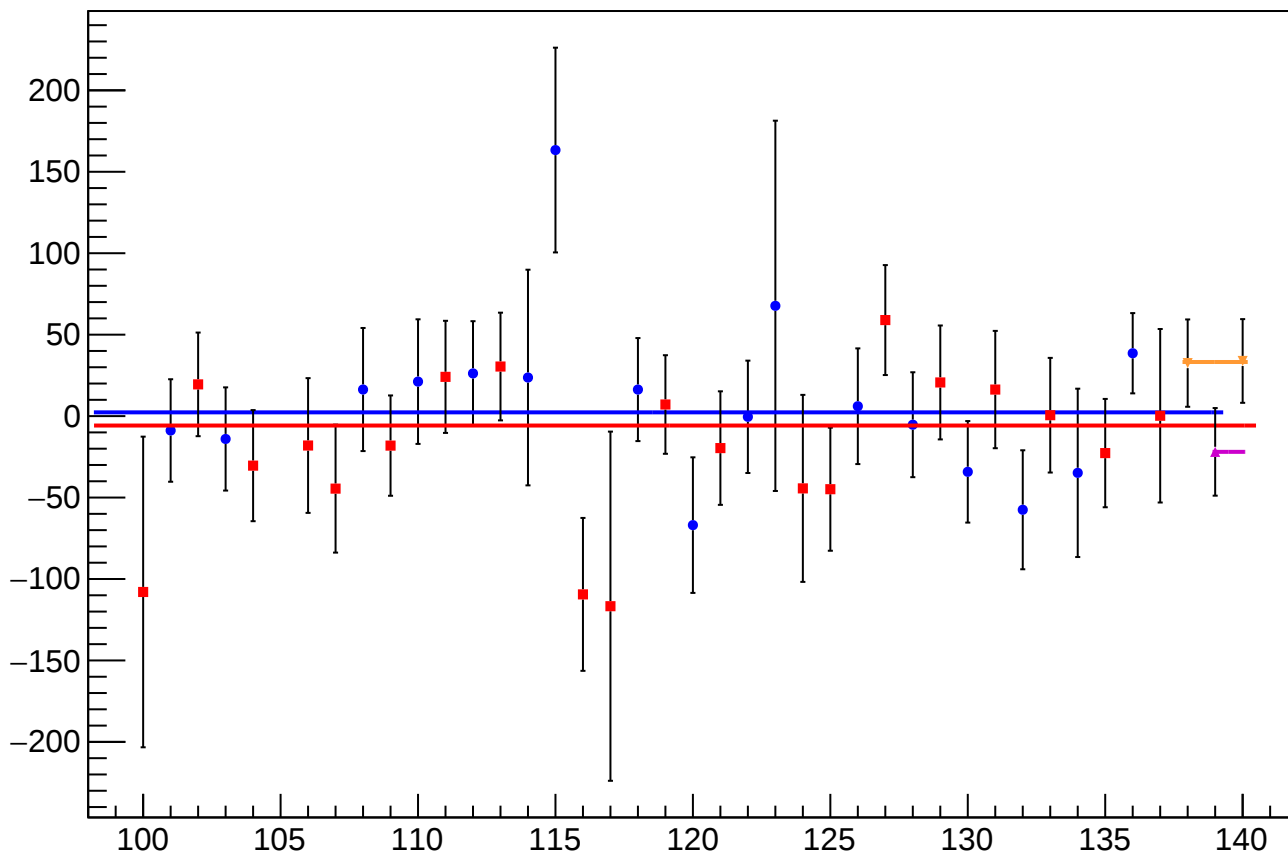
Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

Left In: 221.691 $\pm$ 0.187 χ^2 /NDF:0.0/0

201.496 $\pm$ 0.052 χ^2 /NDF: 1016915.0/18

178.308 $\pm$ 0.048 χ^2 /NDF: 1572478.4/20

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 $\pm$ 8.805 χ^2 /NDF: 18.1/16

Left Out: 33.222 $\pm$ 18.549 χ^2 /NDF: 0.0/1

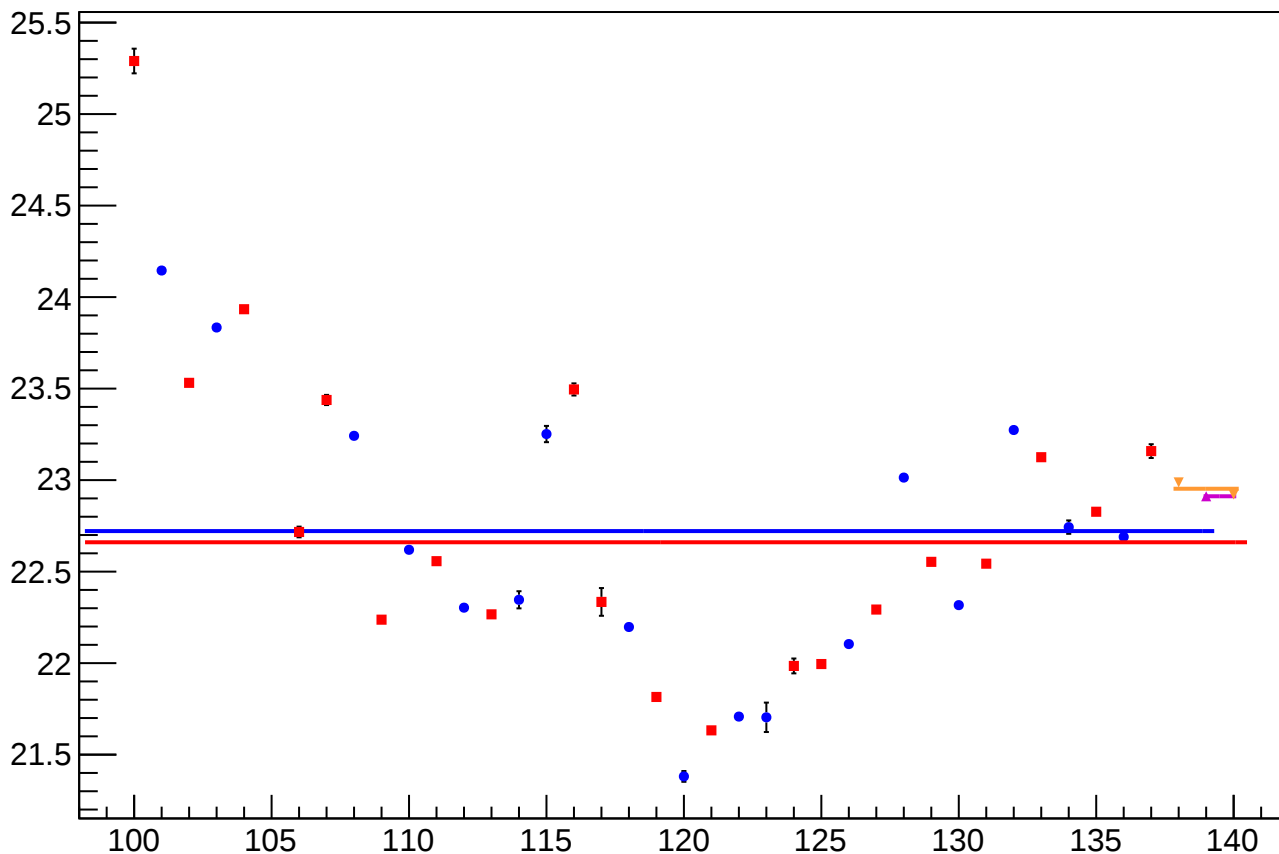
Right Out: -5.783 $\pm$ 8.453 χ^2 /NDF: 18.2/19

Left In: -21.943 $\pm$ 26.895 χ^2 /NDF: 0.0/0

7.992 $\pm$ 7.954 χ^2 /NDF: 20.4/18

-7.236 $\pm$ 8.064 χ^2 /NDF: 18.5/20

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.953 $\pm$ 0.013 χ^2 /NDF: 6.4/1

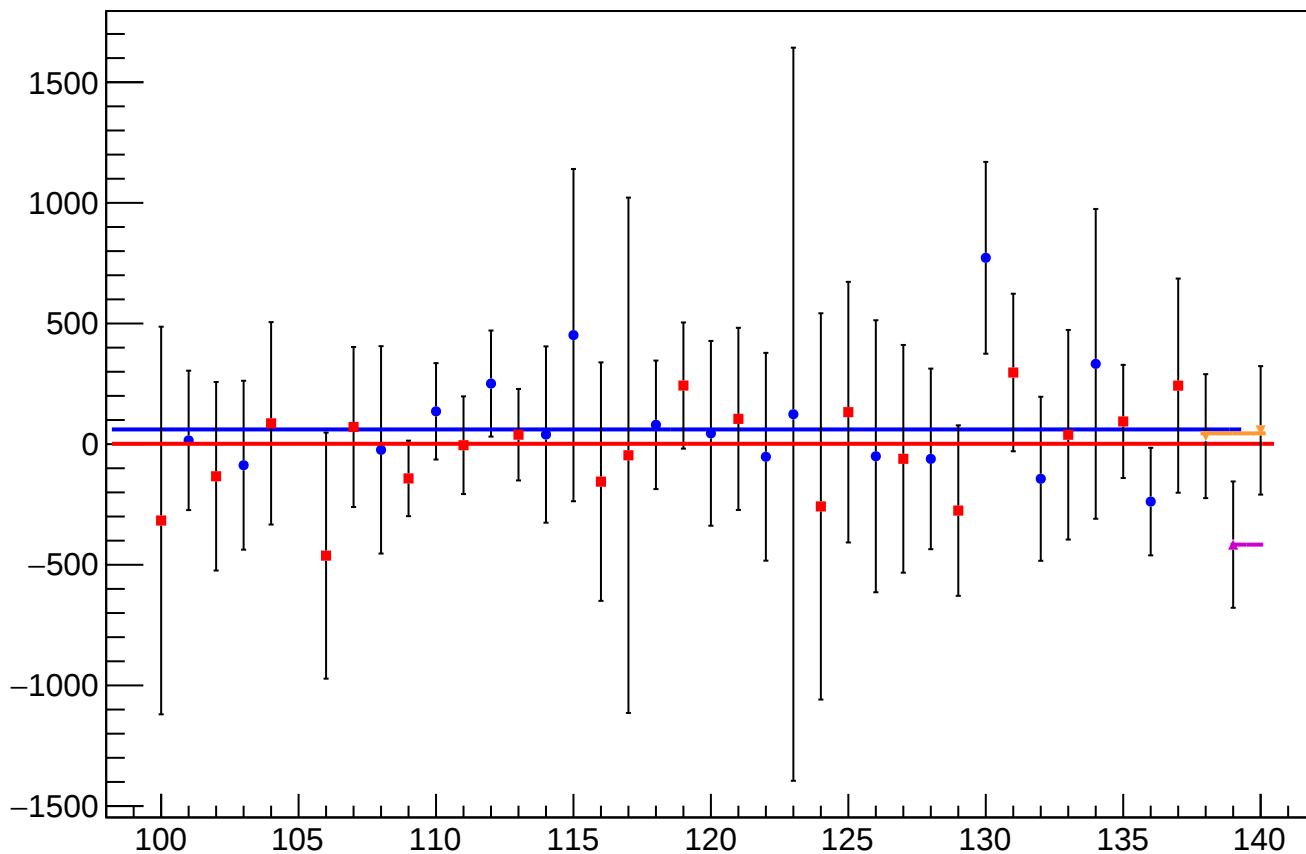
Right Out: 22.660 $\pm$ 0.006 χ^2 /NDF: 12974.2/19

Left In: 22.912 $\pm$ 0.019 χ^2 /NDF: 0.0/0

22.764 $\pm$ 0.006 χ^2 /NDF: 13840.8/18

22.683 $\pm$ 0.006 χ^2 /NDF: 13133.1/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 44.699 $\pm$ 184.862 χ^2 /NDF: 0.0/1

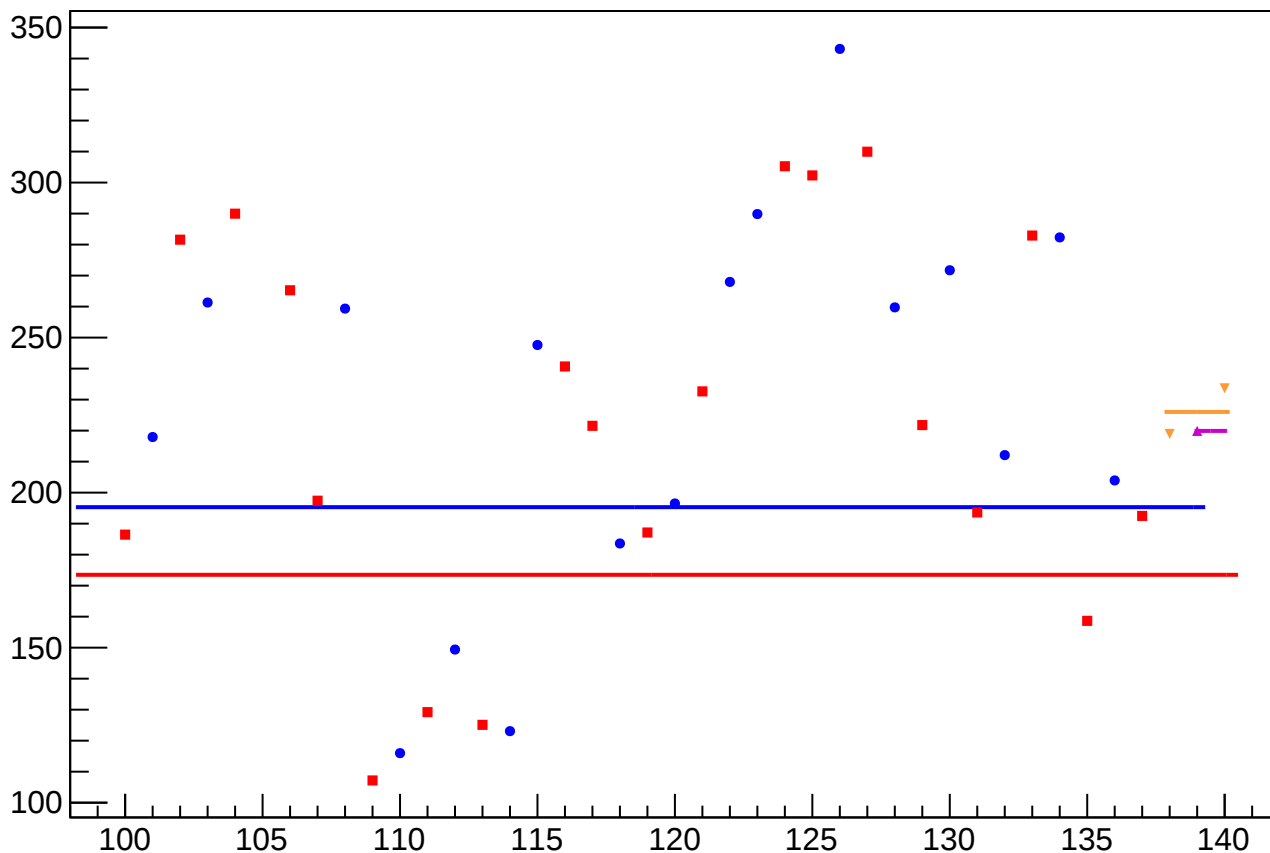
Right Out: 1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

Left In: -416.447 $\pm$ 261.831 χ^2 /NDF: 0.0/0

58.385 $\pm$ 73.572 χ^2 /NDF: 7.2/18

-26.731 $\pm$ 67.981 χ^2 /NDF: 7.5/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 226.027 $\pm$ 0.131 χ^2 /NDF:3161.9/1

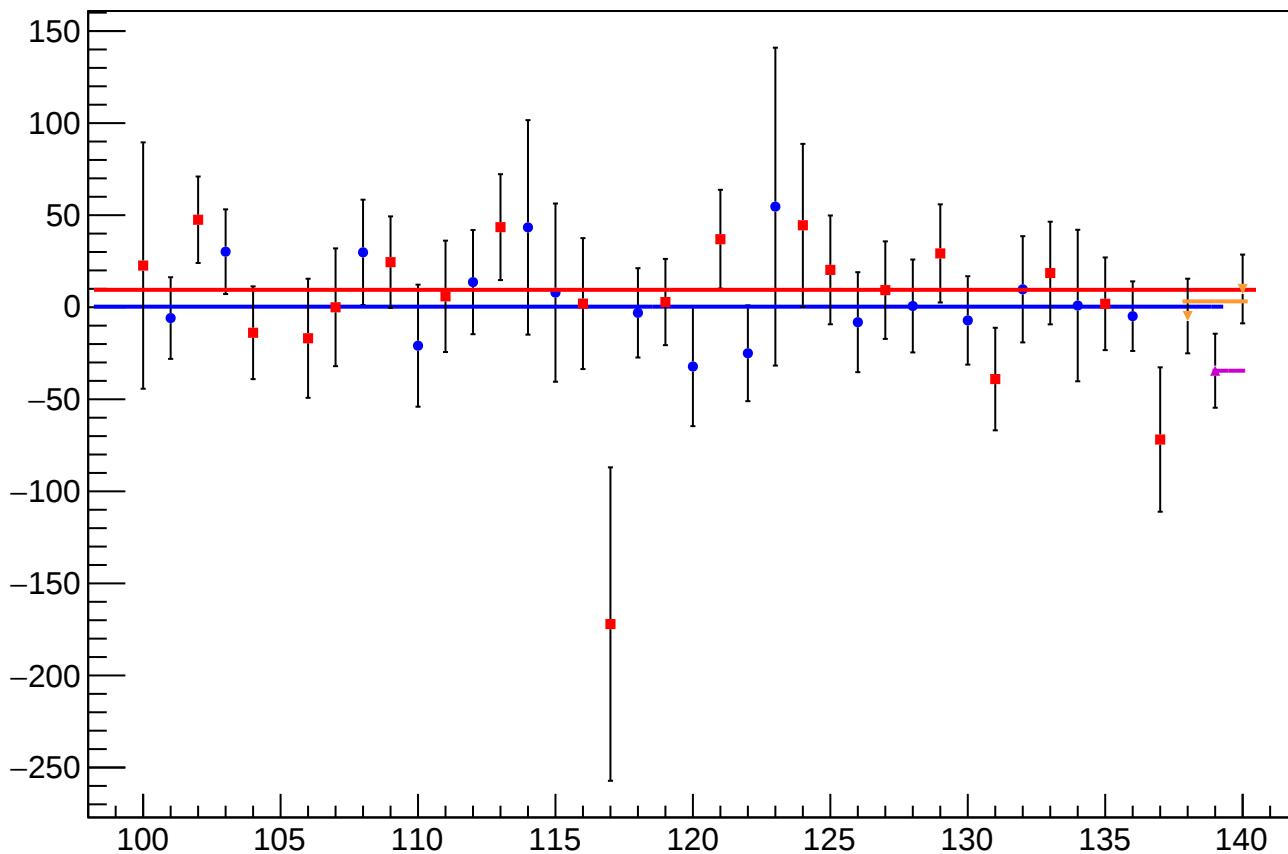
Right Out: 173.495 $\pm$ 0.050 χ^2 /NDF: 1582449.6/19

Left In: 219.905 $\pm$ 0.185 χ^2 /NDF:0.0/0

200.180 $\pm$ 0.052 χ^2 /NDF: 1053830.2/18

176.623 $\pm$ 0.048 χ^2 /NDF: 1641051.0/20

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 $\pm$ 6.812 χ^2/NDF : 6.8/16

Left Out: 3.179 $\pm$ 13.735 χ^2/NDF : 0.3/1

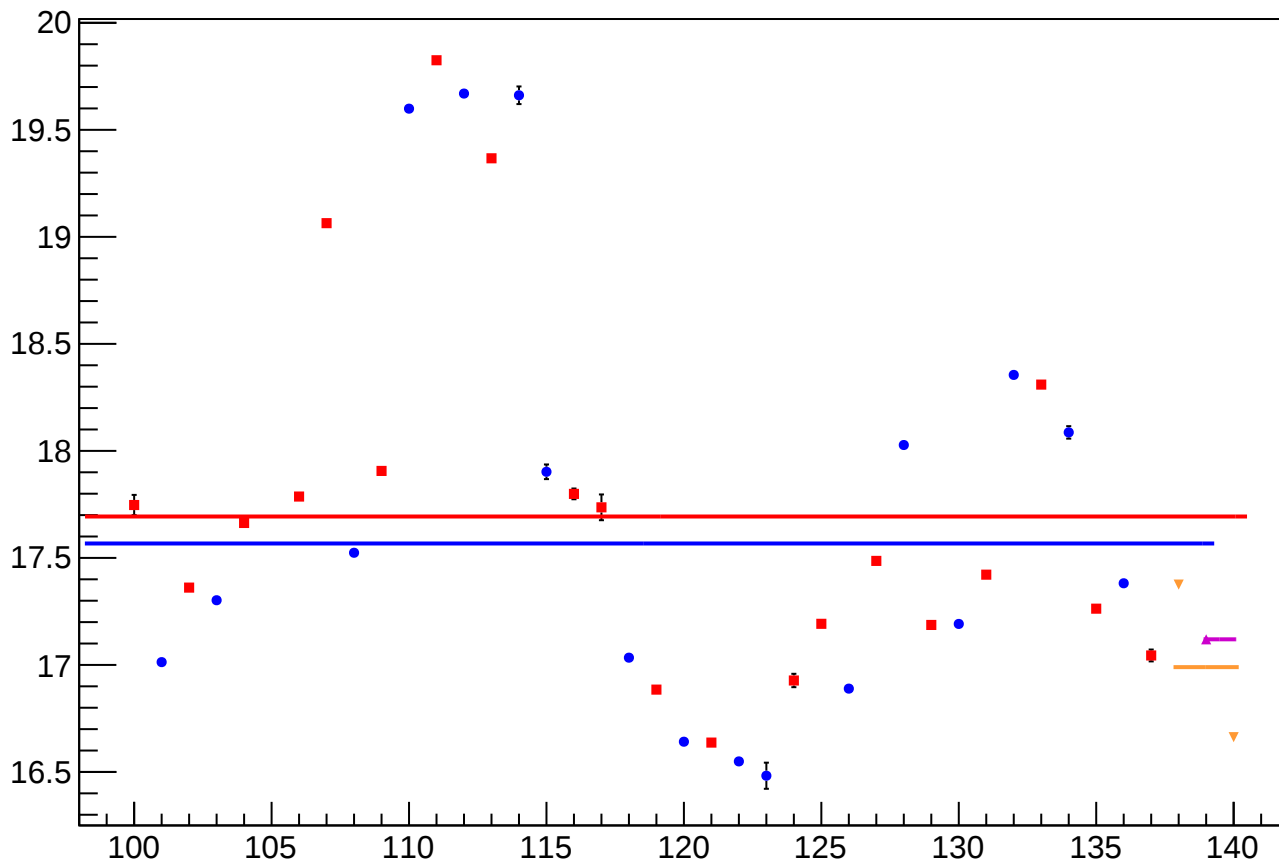
Right Out: 9.452 $\pm$ 6.608 χ^2/NDF : 20.6/19

Left In: -34.483 $\pm$ 20.108 χ^2/NDF : 0.0/0

0.873 $\pm$ 6.103 χ^2/NDF : 7.1/18

5.170 $\pm$ 6.278 χ^2/NDF : 24.9/20

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567+/-0.005 χ^2/NDF : 33145.0/16

Left Out: 16.990+/-0.010 χ^2/NDF : 1337.9/1

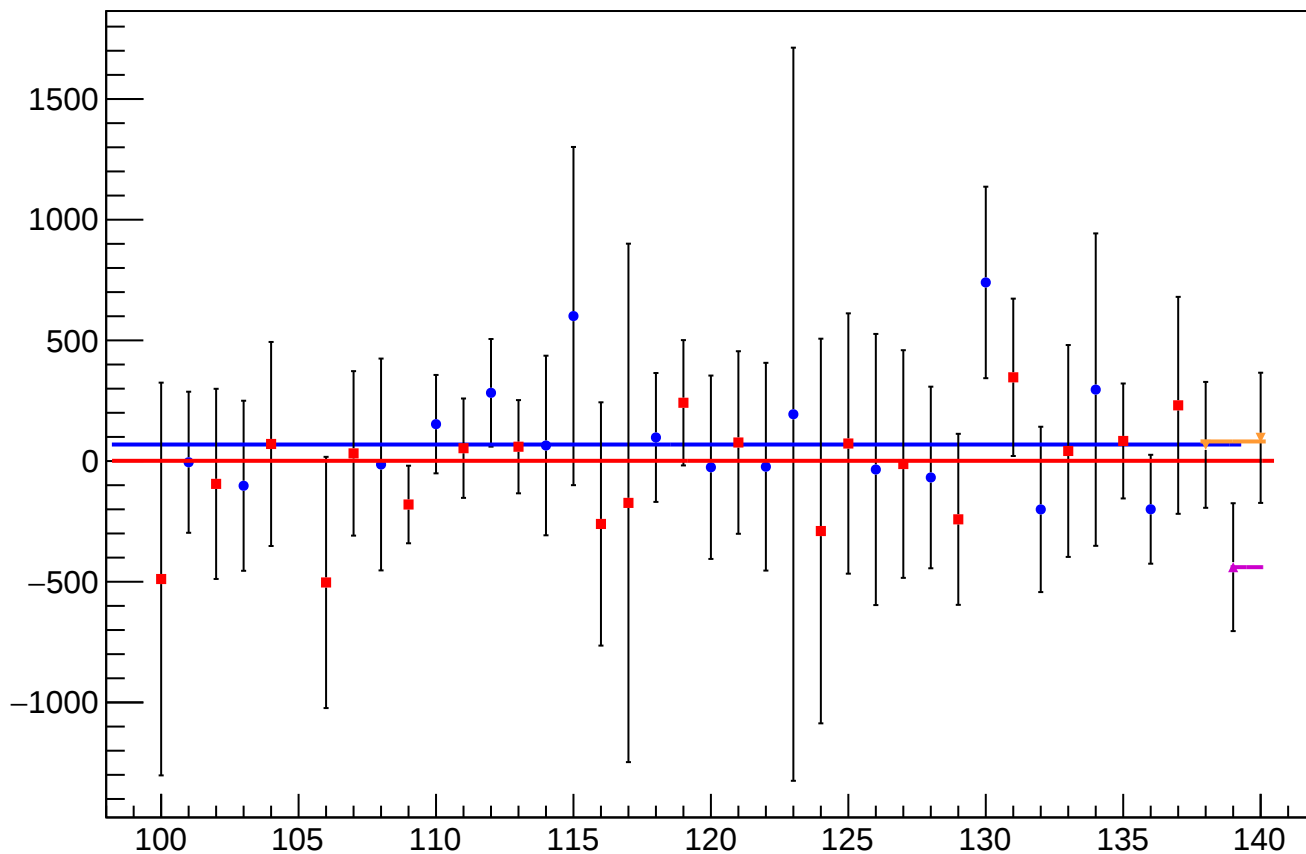
Right Out: 17.693+/-0.005 χ^2/NDF : 30767.6/19

Left In: 17.120+/-0.014 χ^2/NDF : 0.0/0

17.453+/-0.004 χ^2/NDF : 37322.5/18

17.638+/-0.004 χ^2/NDF : 32237.7/20

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 81.234+/-187.485 χ^2/NDF : 0.0/1

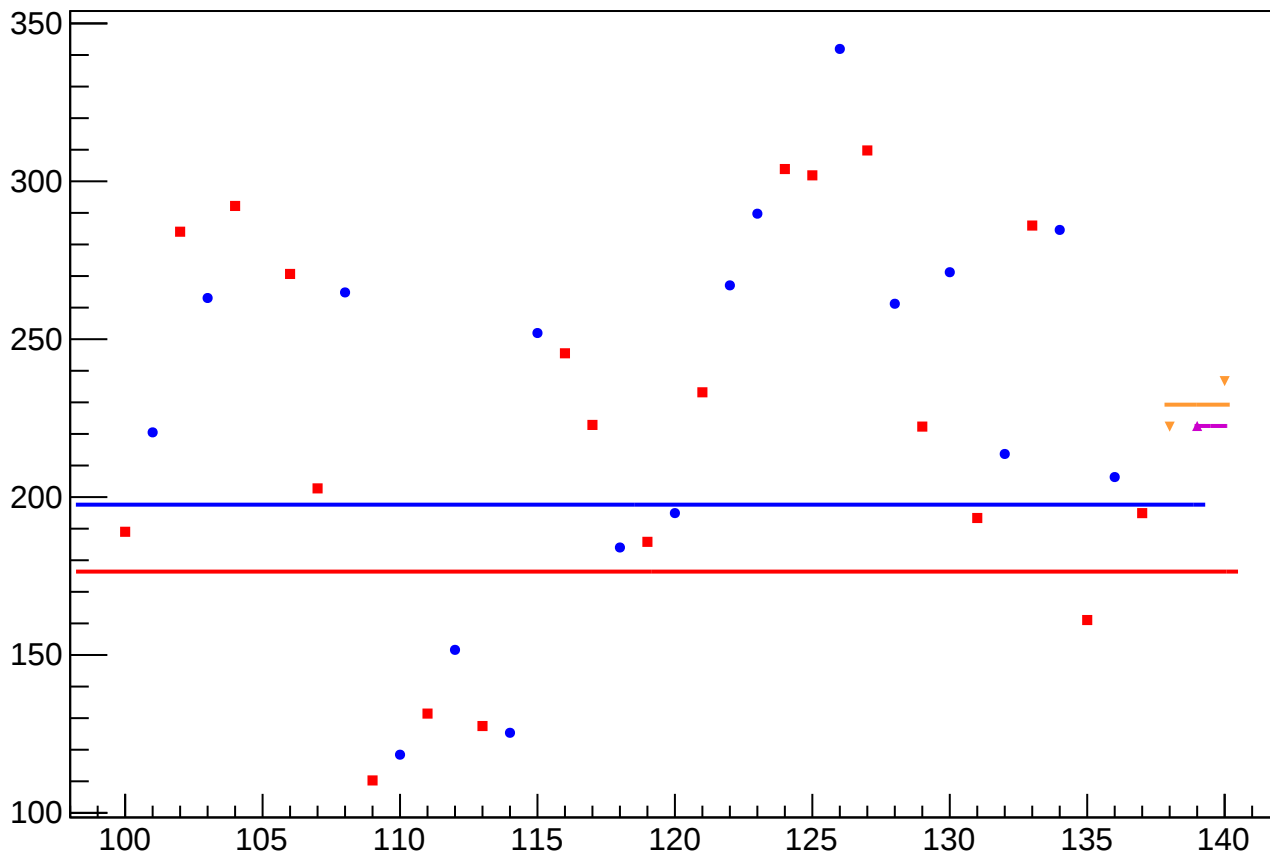
Right Out: 1.057+/-71.380 χ^2/NDF : 6.1/19

Left In: -439.576+/-264.914 χ^2/NDF : 0.0/0

70.549+/-74.371 χ^2/NDF : 7.3/18

-28.768+/-68.922 χ^2/NDF : 8.7/20

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 229.272 $\pm$ 0.133 χ^2 /NDF: 2953.0/1

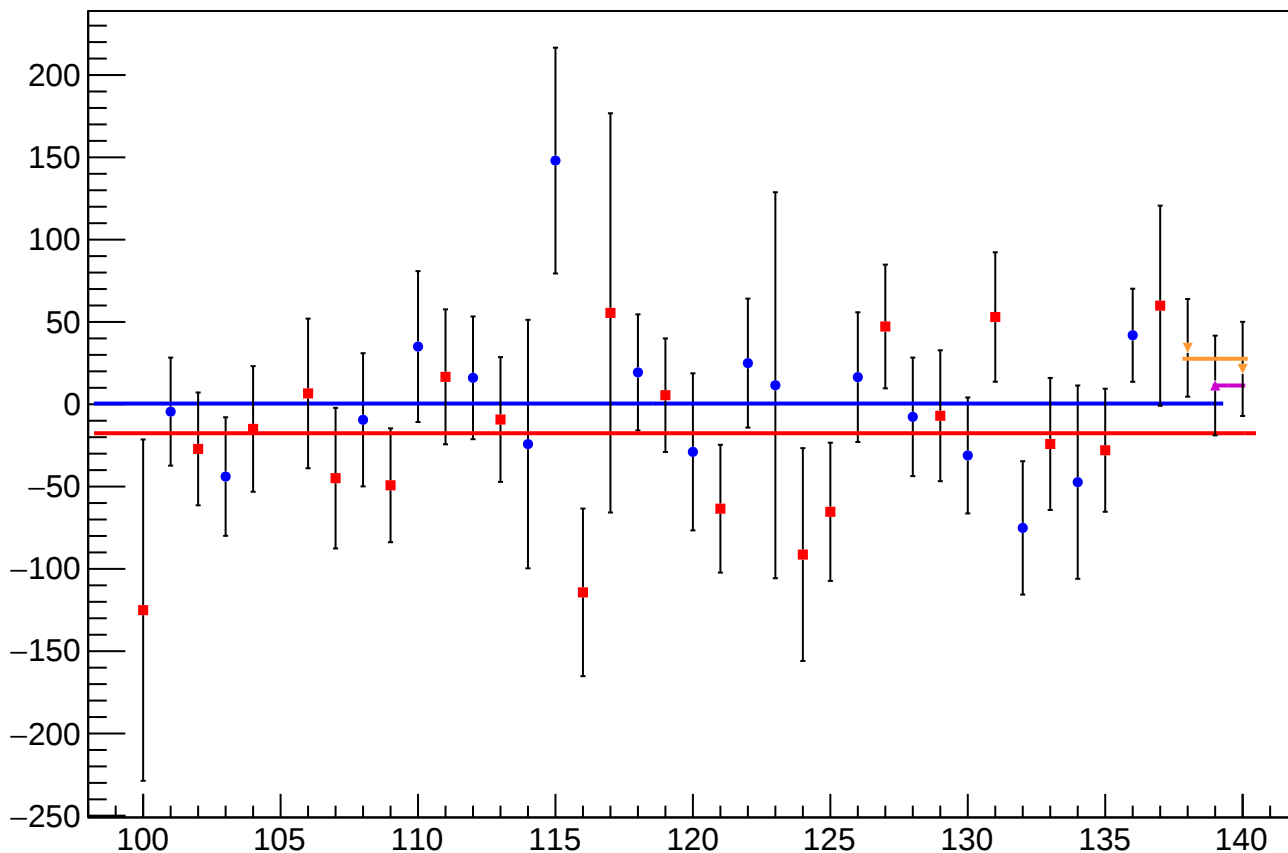
Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

Left In: 222.523 $\pm$ 0.187 χ^2 /NDF: 0.0/0

202.587 $\pm$ 0.053 χ^2 /NDF: 1019865.7/18

179.529 $\pm$ 0.049 χ^2 /NDF: 1580094.2/20

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 27.648 ± 20.592 χ^2/NDF : 0.1/1

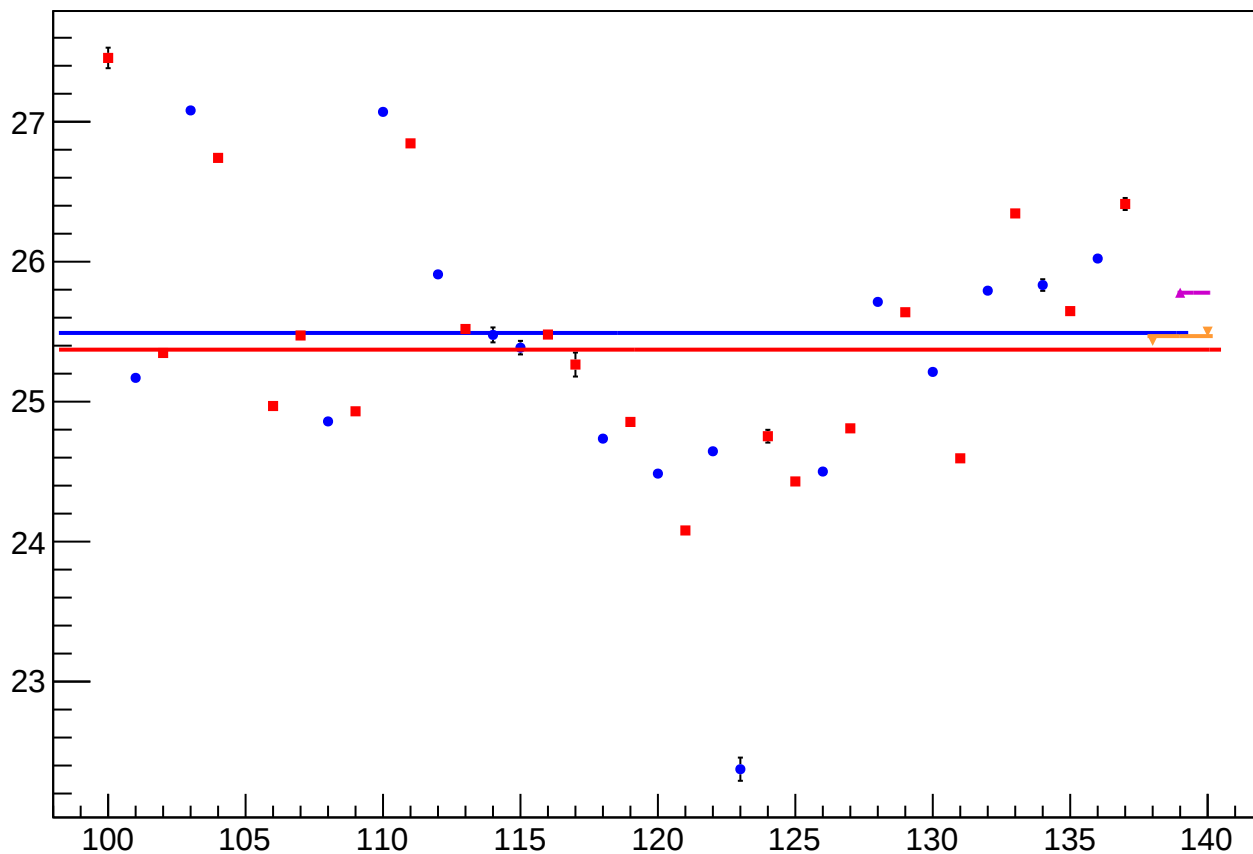
Right Out: -17.595 ± 9.470 χ^2/NDF : 19.8/19

Left In: 11.402 ± 30.281 χ^2/NDF : 0.0/0

5.524 ± 8.911 χ^2/NDF : 17.0/18

-15.012 ± 9.038 χ^2/NDF : 20.7/20

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 $\pm$ 0.007 χ^2/NDF : 13713.0/16

Left Out: 25.468 $\pm$ 0.015 χ^2/NDF : 5.1/1

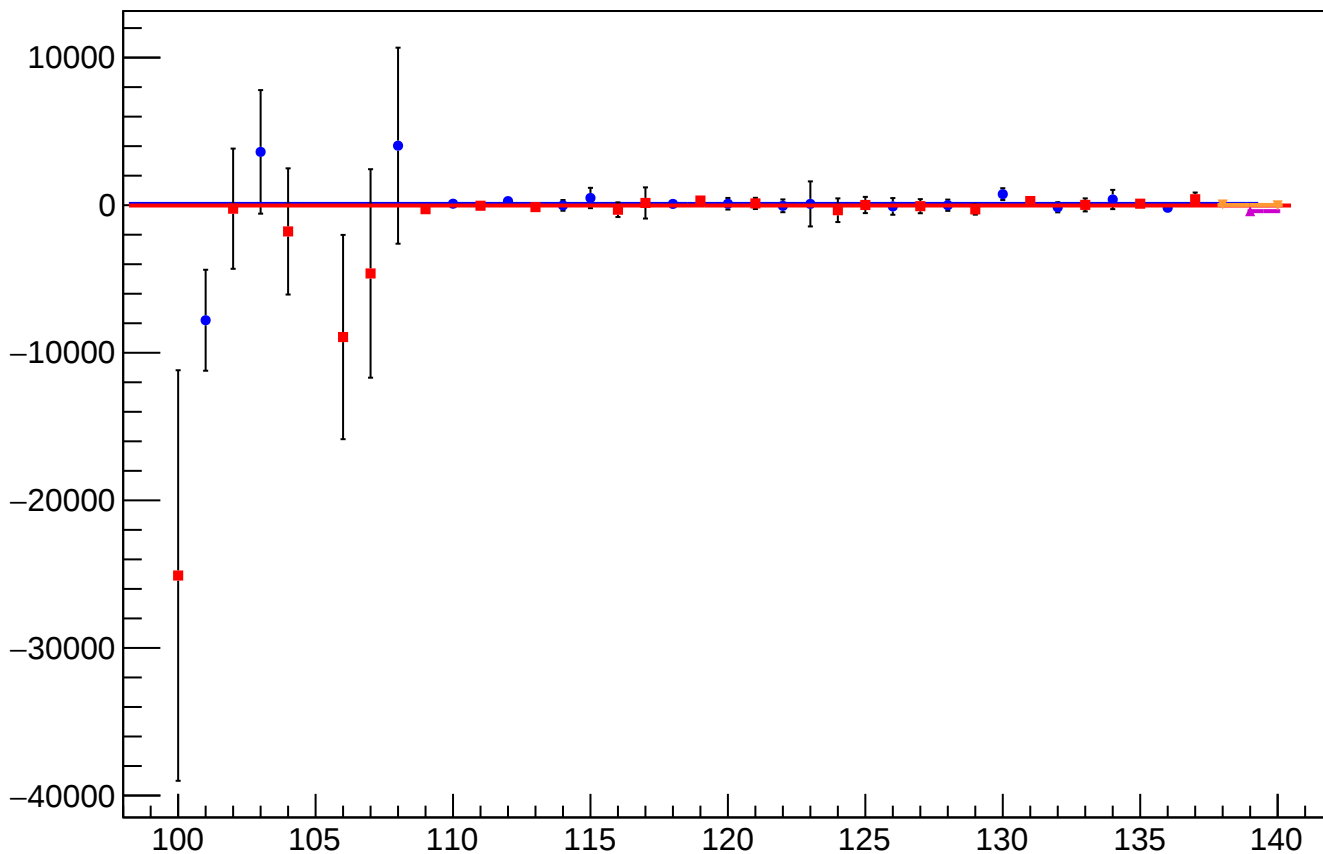
Right Out: 25.372 $\pm$ 0.007 χ^2/NDF : 13552.0/19

Left In: 25.778 $\pm$ 0.021 χ^2/NDF : 0.0/0

25.487 $\pm$ 0.006 χ^2/NDF : 13720.0/18

25.408 $\pm$ 0.006 χ^2/NDF : 13880.9/20

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: 17.784 $\pm$ 183.353 χ^2 /NDF: 0.0/1

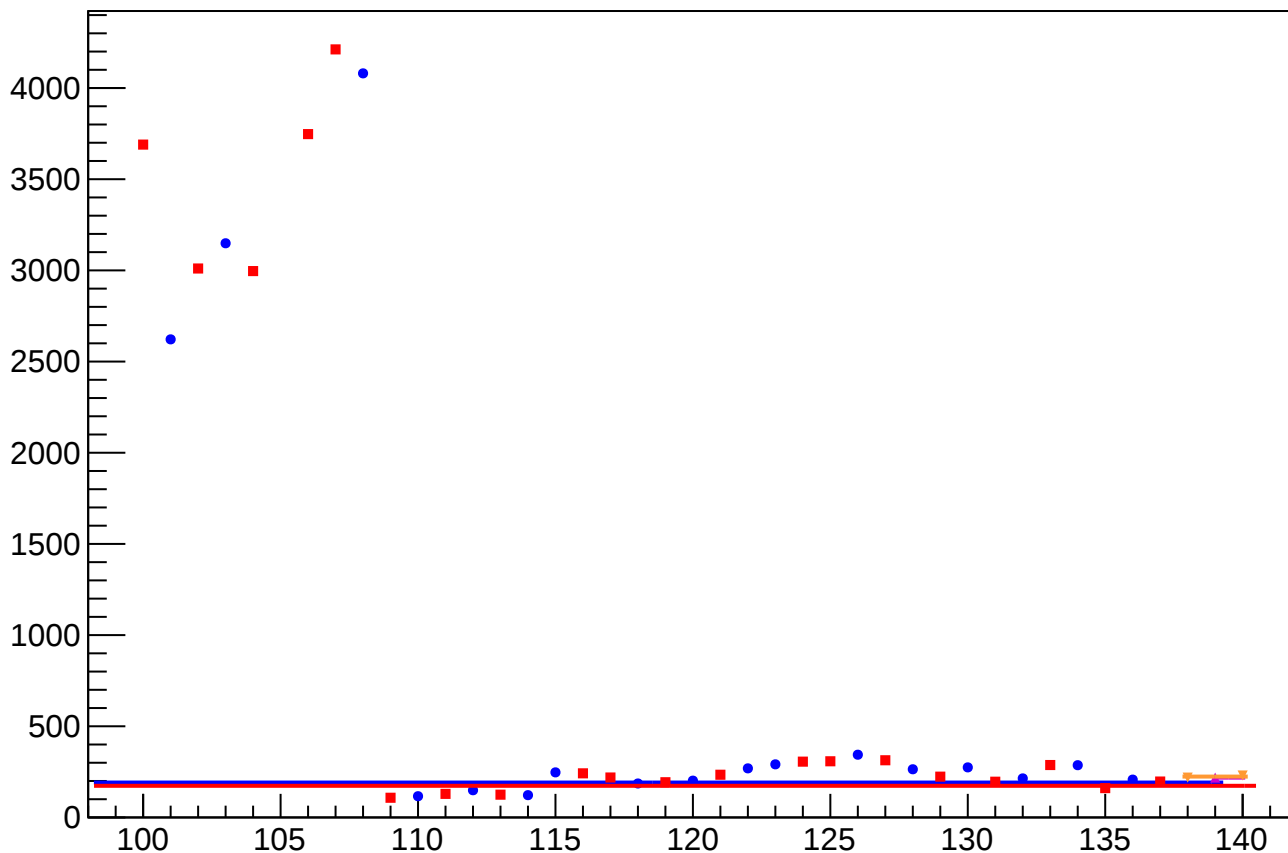
Right Out: -22.332 $\pm$ 80.711 χ^2 /NDF: 11.9/19

Left In: -404.486 $\pm$ 260.282 χ^2 /NDF: 0.0/0

73.581 $\pm$ 79.645 χ^2 /NDF: 12.6/18

-55.855 $\pm$ 77.090 χ^2 /NDF: 13.9/20

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 224.125+/-0.130 χ^2/NDF : 1985.4/1

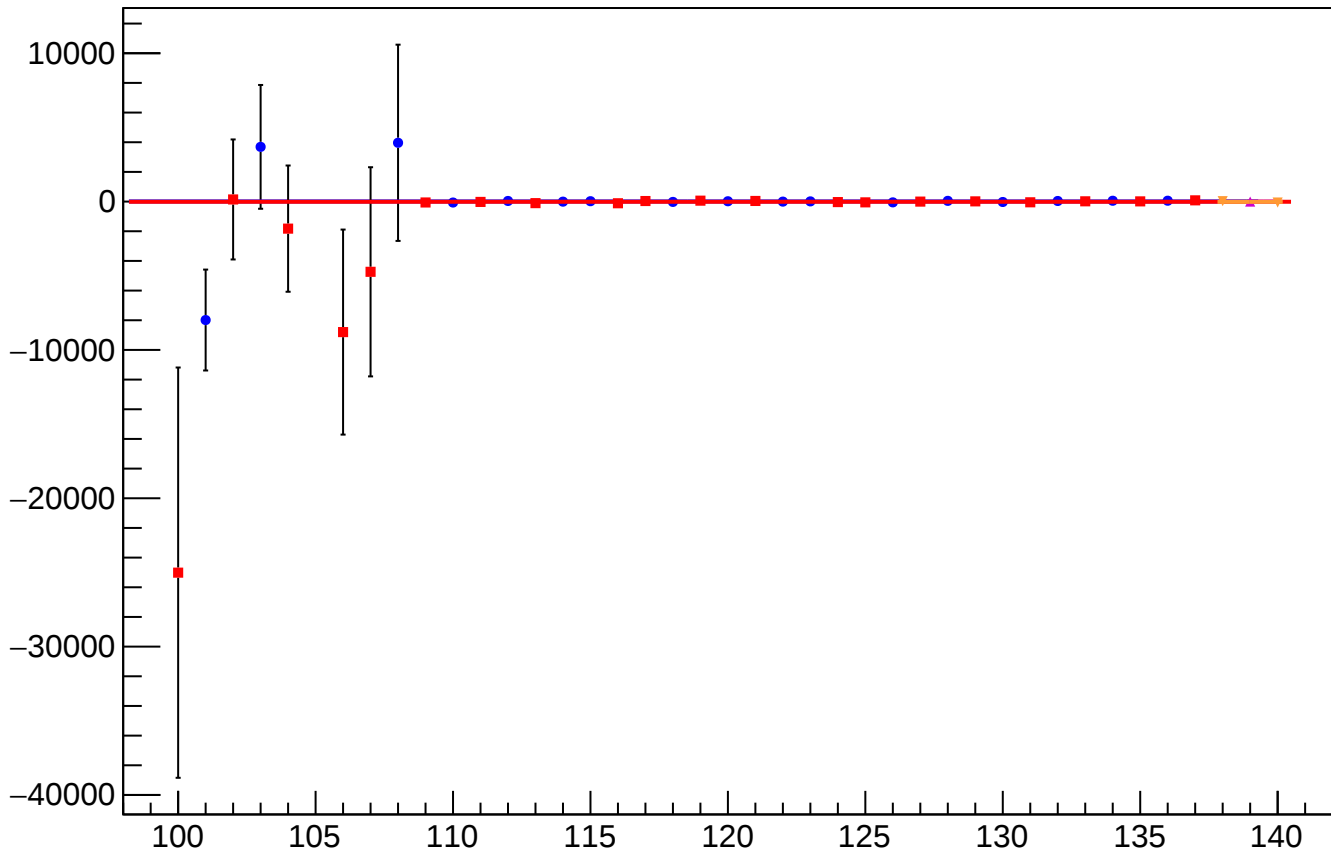
197.638+/-0.056 χ^2/NDF : 3626583.5/18

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

177.502+/-0.055 χ^2/NDF : 4265397.7/20

Left In: 218.441+/-0.184 χ^2/NDF : 0.0/0

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -19.346+/-23.613 χ^2/NDF : 3.7/1

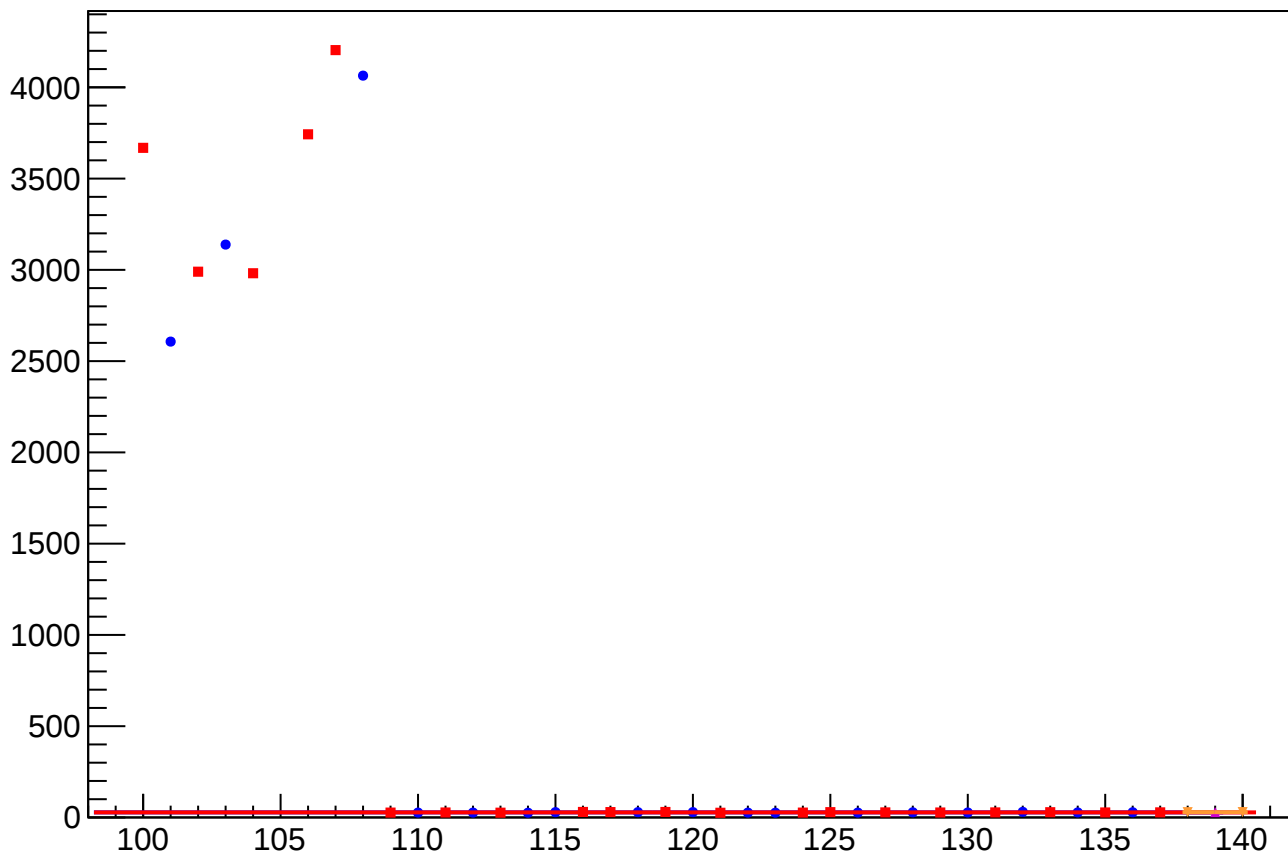
Right Out: -12.296+/-12.186 χ^2/NDF : 24.9/19

Left In: -0.225+/-34.186 χ^2/NDF : 0.0/0

3.976+/-10.896 χ^2/NDF : 23.3/18

-10.935+/-11.479 χ^2/NDF : 25.0/20

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 29.111+/-0.017 χ^2/NDF :118.5/1

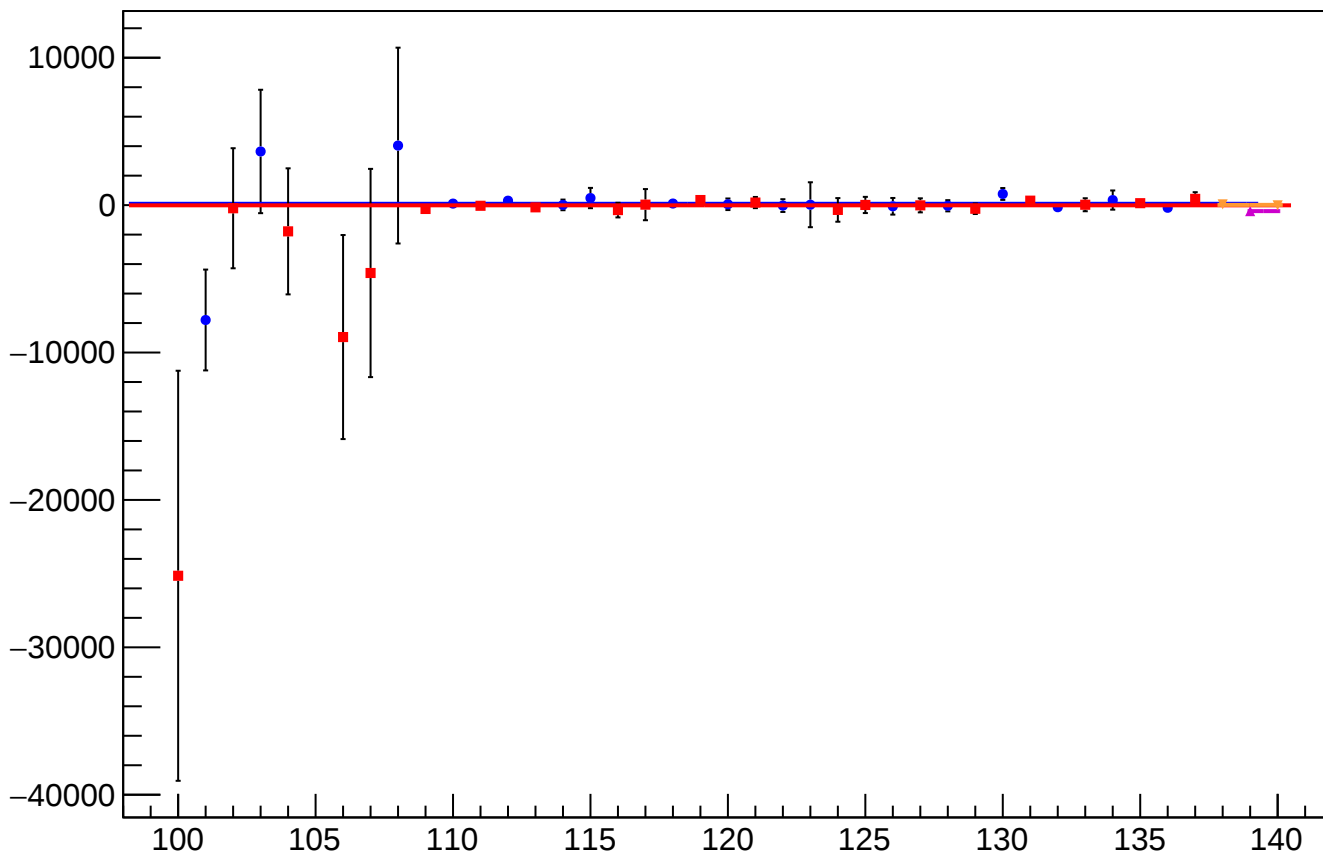
Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

Left In: 29.008+/-0.024 χ^2/NDF :0.0/0

28.122+/-0.008 χ^2/NDF : 3032238.1/18

27.854+/-0.008 χ^2/NDF : 3479699.7/20

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: 18.561+/-182.870 χ^2/NDF : 0.0/1

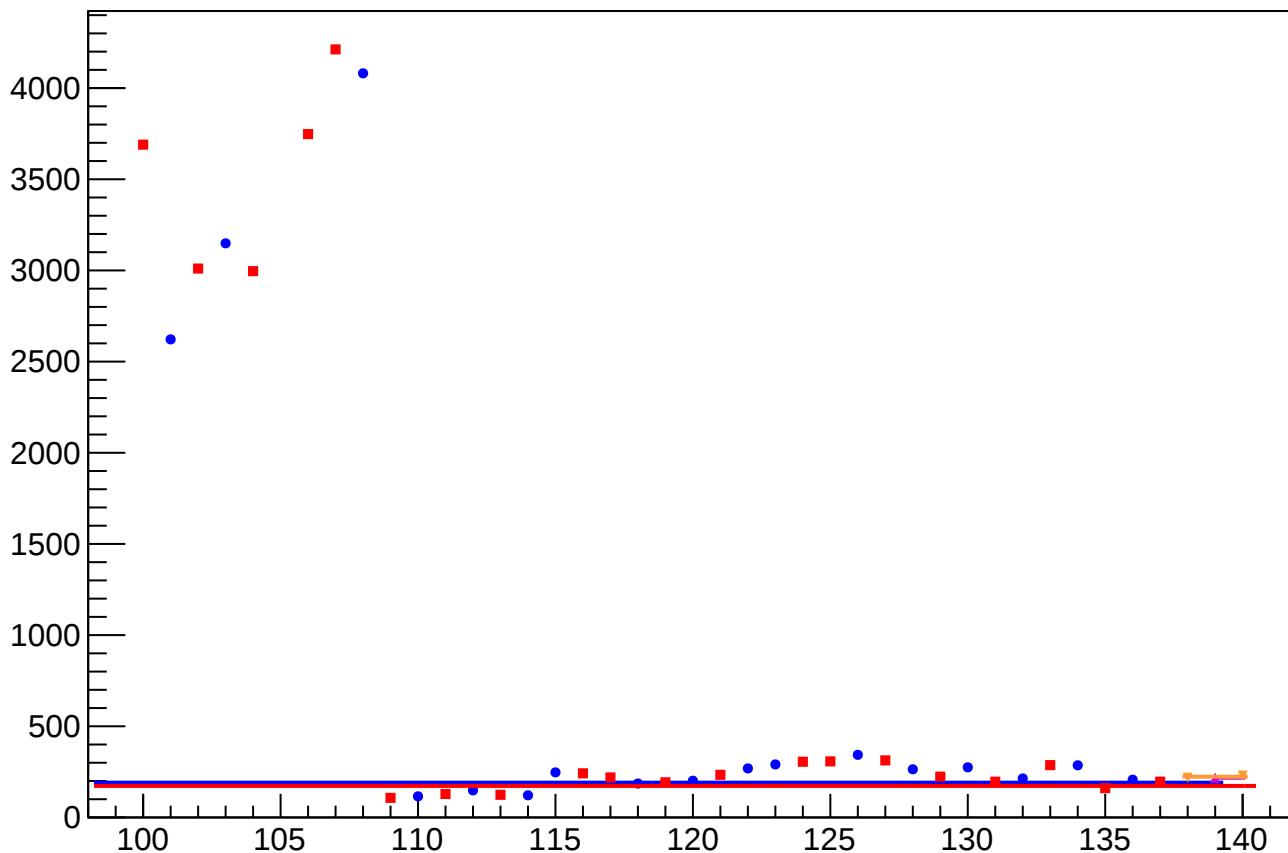
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -406.898+/-259.728 χ^2/NDF : 0.0/0

77.158+/-79.405 χ^2/NDF : 12.9/18

-47.554+/-76.850 χ^2/NDF : 14.8/20

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 223.536+/-0.129 χ^2/NDF :1990.0/1

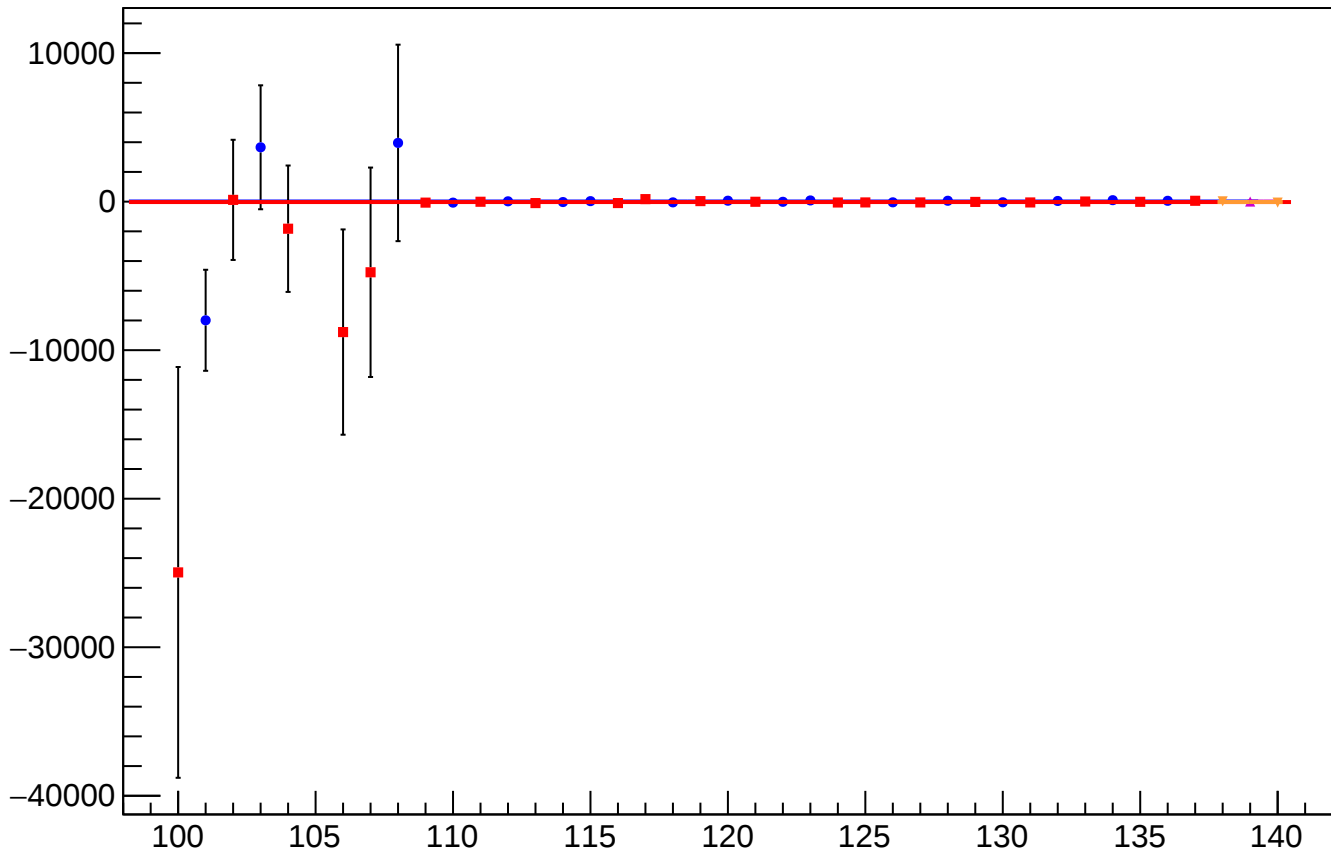
196.947+/-0.056 χ^2/NDF : 3639128.6/18

Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

176.846+/-0.054 χ^2/NDF : 4277475.3/20

Left In: 217.975+/-0.184 χ^2/NDF :0.0/0

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600+/-12.368 χ^2/NDF : 23.2/16

Left Out: -24.051+/-23.736 χ^2/NDF : 3.2/1

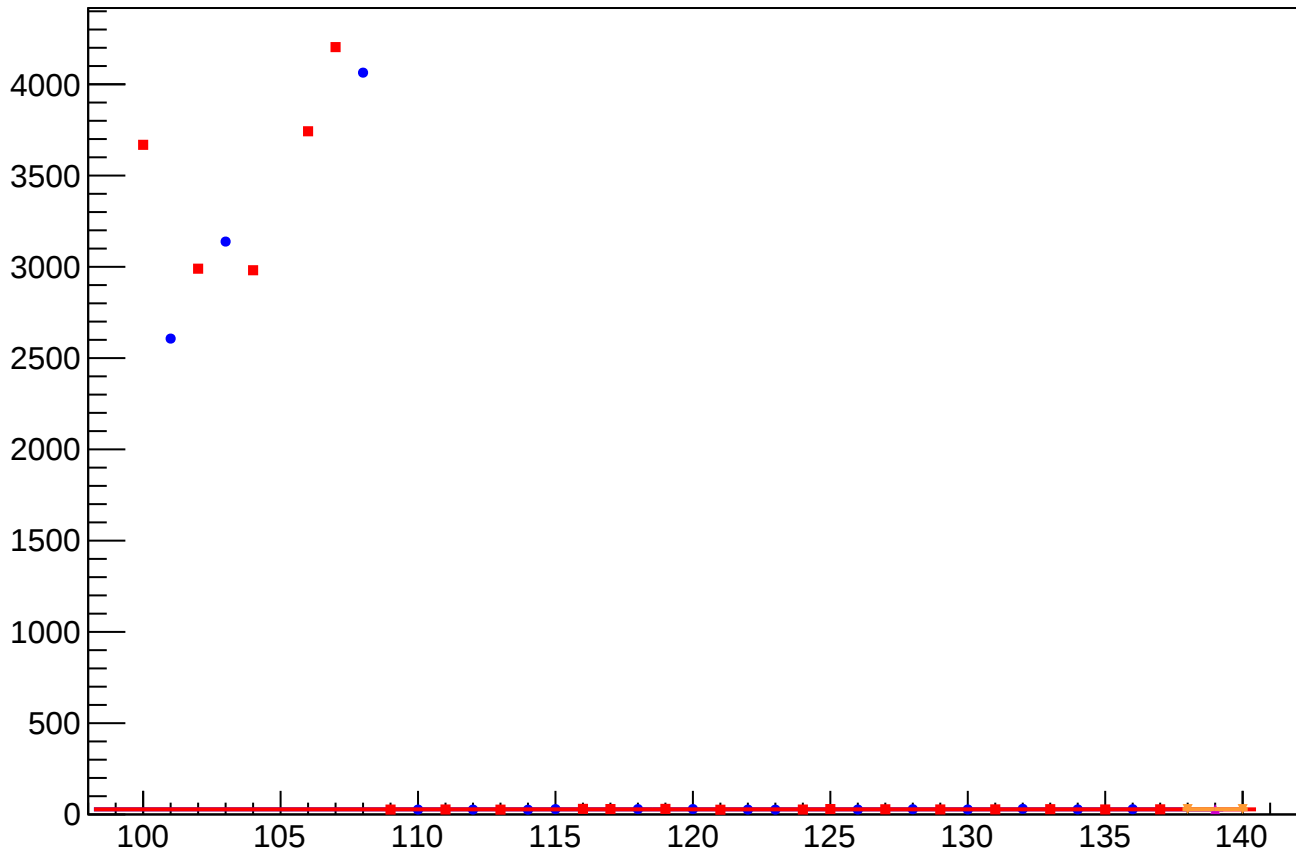
Right Out: -27.898+/-12.287 χ^2/NDF : 18.8/19

Left In: 6.216+/-34.372 χ^2/NDF : 0.0/0

1.628+/-10.968 χ^2/NDF : 27.9/18

-24.033+/-11.570 χ^2/NDF : 19.7/20

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 29.264 $\pm$ 0.017 χ^2 /NDF: 0.8/1

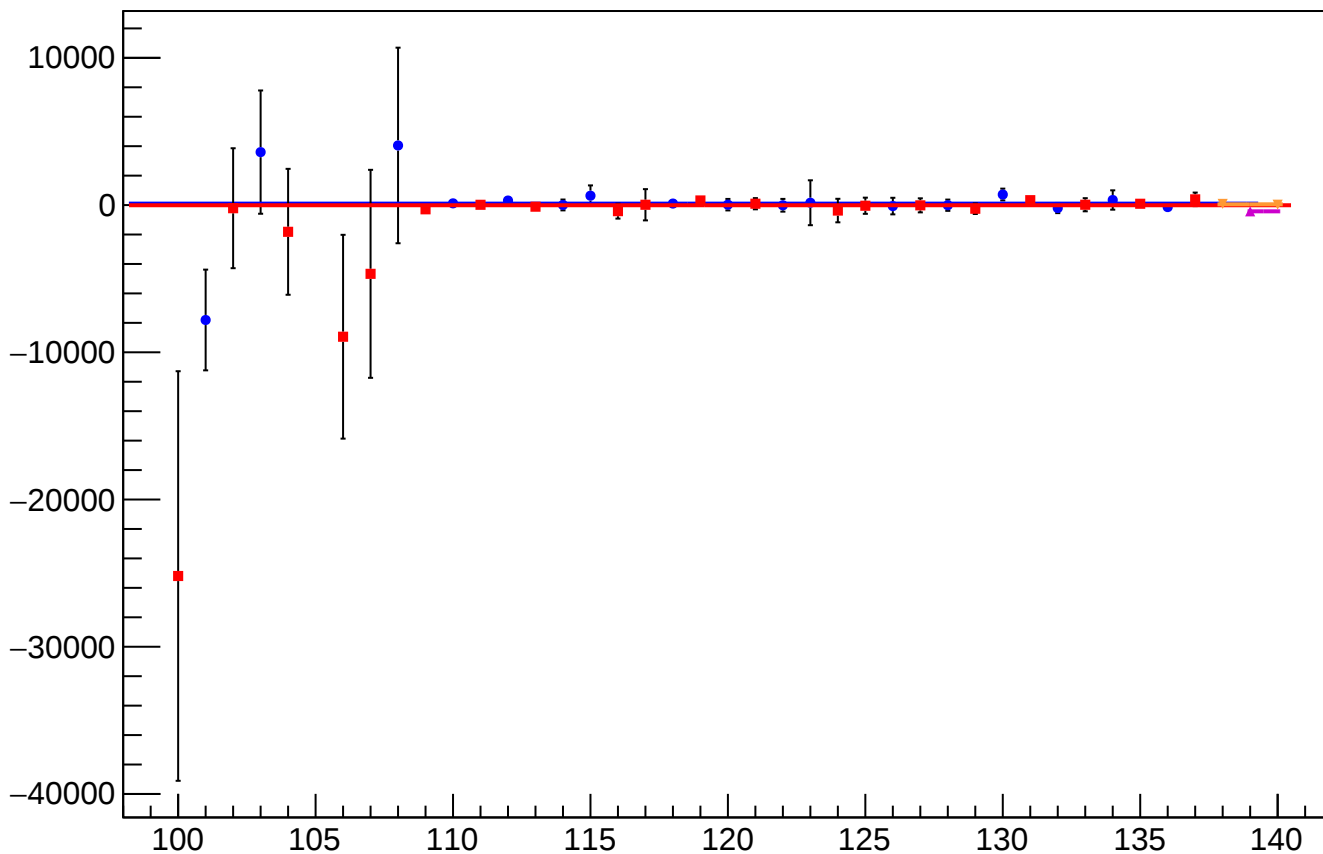
Right Out: 27.930 $\pm$ 0.009 χ^2 /NDF: 3479947.6/19

Left In: 29.164 $\pm$ 0.024 χ^2 /NDF: 0.0/0

28.304 $\pm$ 0.008 χ^2 /NDF: 3032054.4/18

28.070 $\pm$ 0.008 χ^2 /NDF: 3482234.9/20

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: 53.139 $\pm$ 185.873 χ^2 /NDF:0.0/1

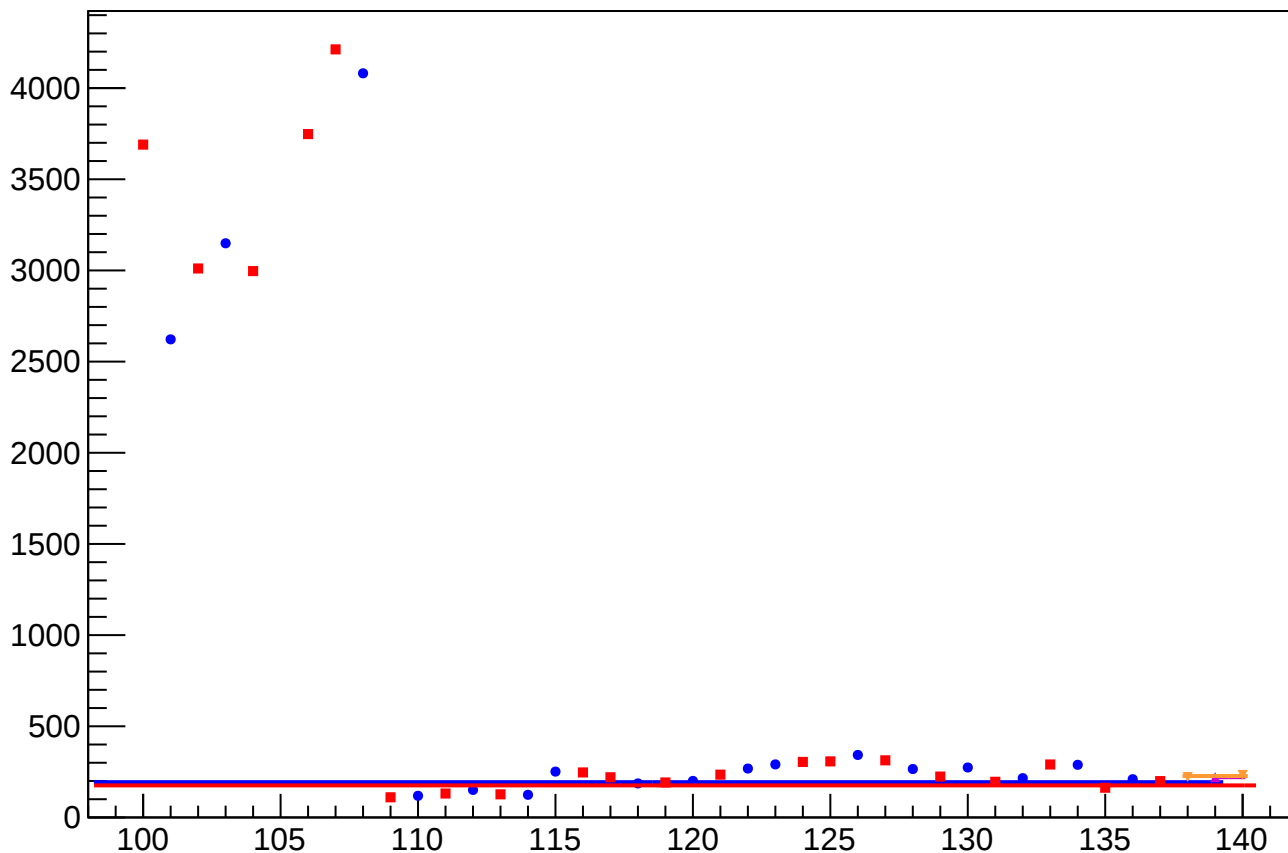
Right Out: -11.533 $\pm$ 81.530 χ^2 /NDF: 12.3/19

Left In: -424.977 $\pm$ 263.262 χ^2 /NDF:0.0/0

89.717 $\pm$ 80.421 χ^2 /NDF: 12.6/18

-47.716 $\pm$ 77.881 χ^2 /NDF: 14.5/20

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 227.235+/-0.131 χ^2/NDF :1855.0/1

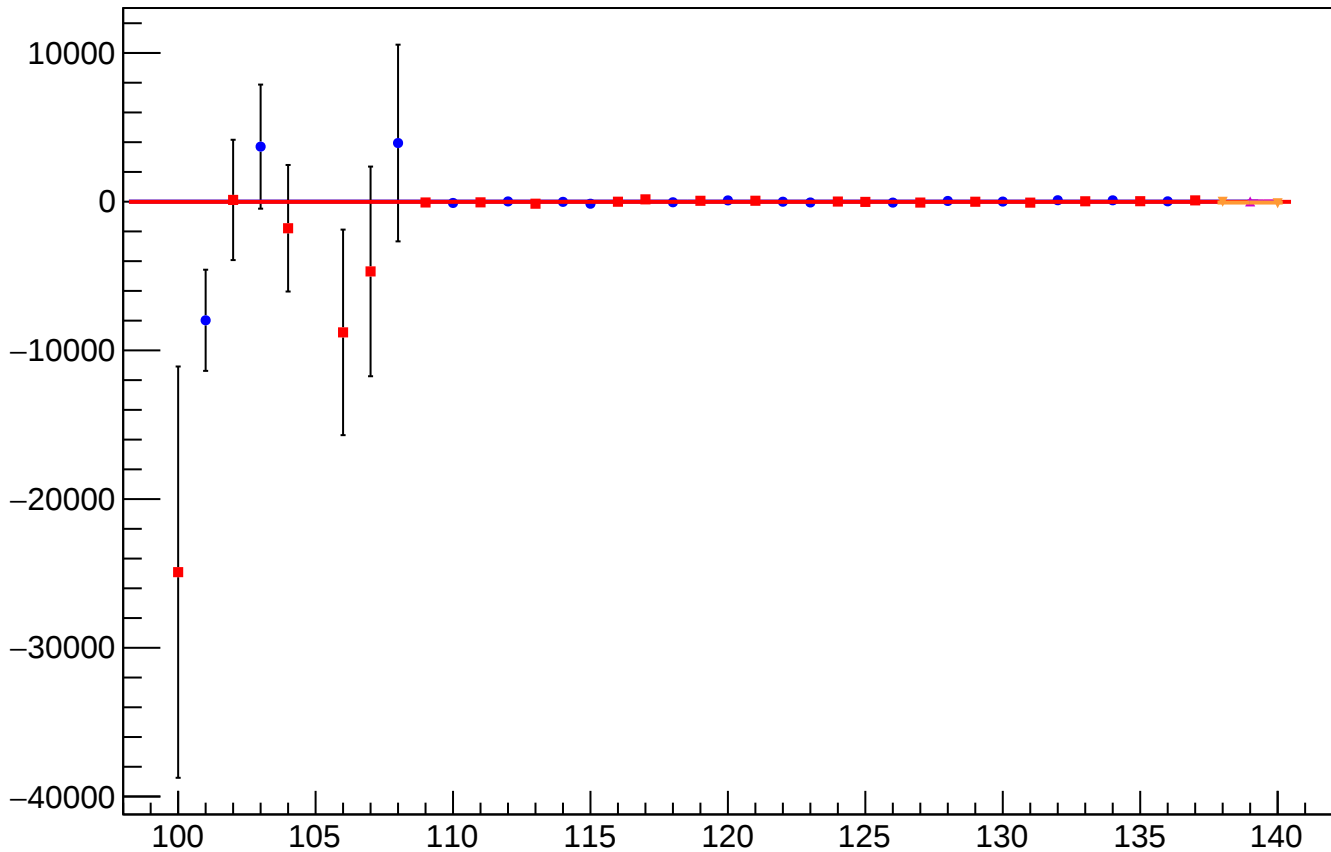
Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

Left In: 220.965+/-0.186 χ^2/NDF :0.0/0

199.829+/-0.057 χ^2/NDF : 3592299.7/18

179.729+/-0.055 χ^2/NDF : 4222892.0/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -58.625 $\pm$ 28.817 χ^2 /NDF:3.0/1

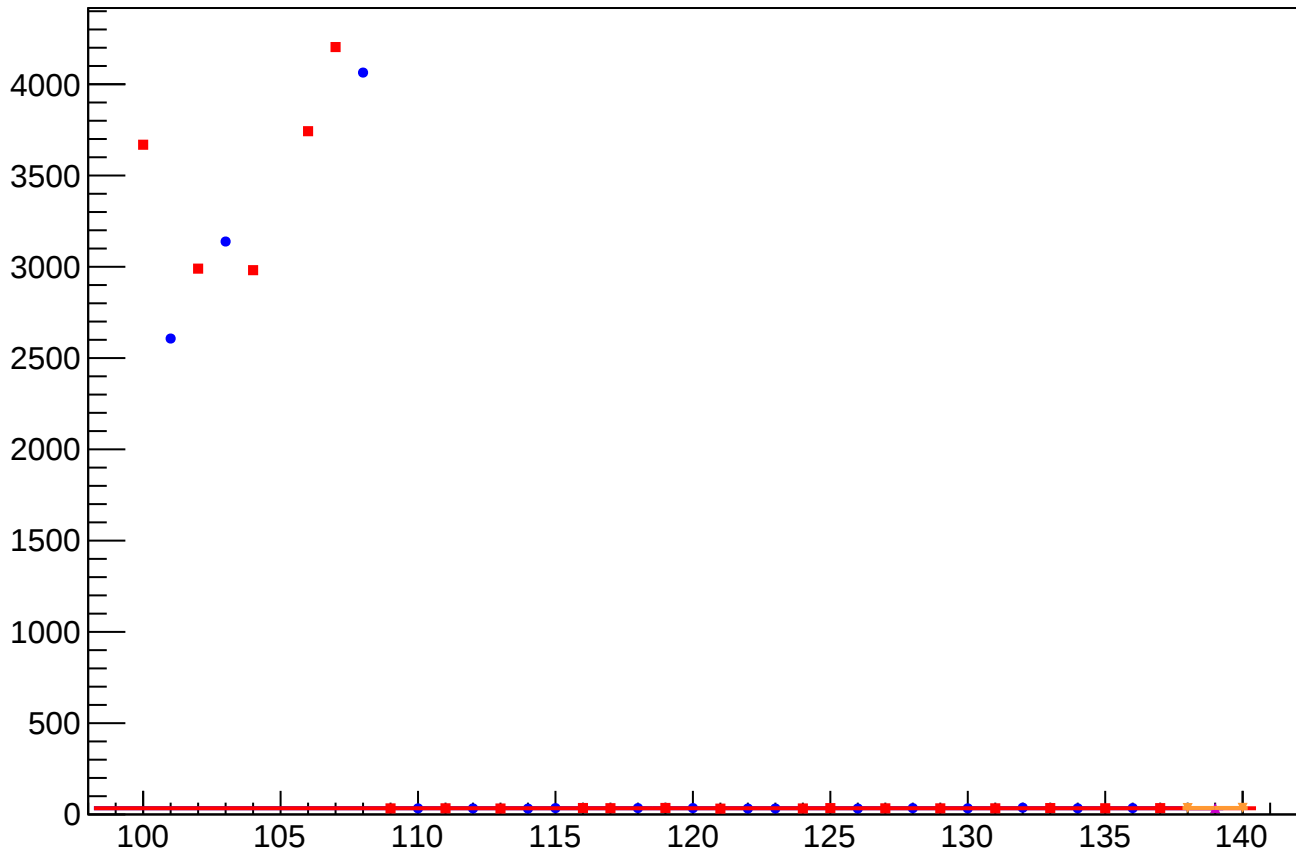
Right Out: -10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

Left In: 18.779 $\pm$ 41.654 χ^2 /NDF:0.0/0

-8.194 $\pm$ 13.341 χ^2 /NDF: 27.4/18

-7.426 $\pm$ 14.022 χ^2 /NDF: 23.4/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 35.558 $\pm$ 0.020 χ^2 /NDF: 416.7/1

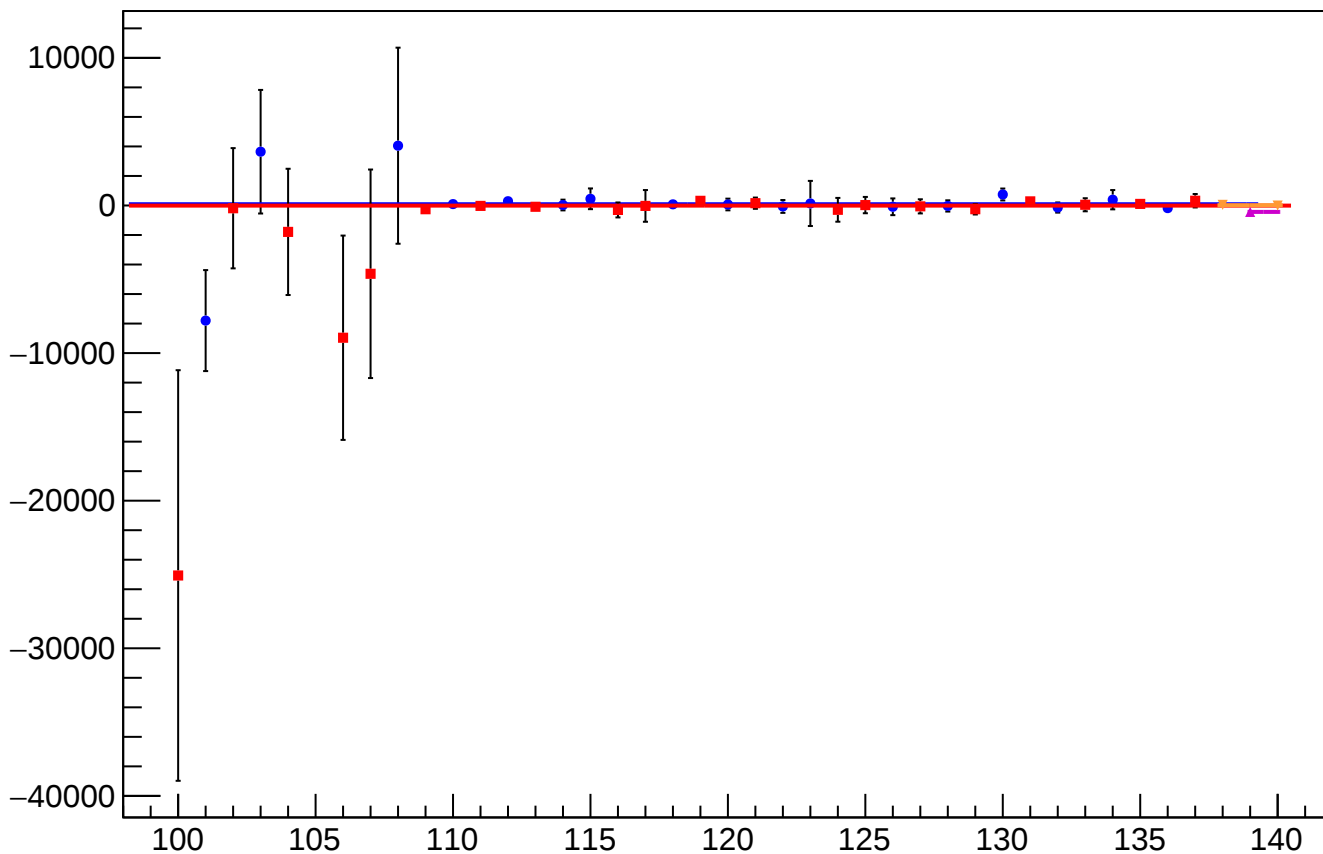
Right Out: 33.916 $\pm$ 0.011 χ^2 /NDF: 3451921.6/19

Left In: 35.400 $\pm$ 0.029 χ^2 /NDF: 0.0/0

34.466 $\pm$ 0.009 χ^2 /NDF: 3010587.5/18

34.084 $\pm$ 0.010 χ^2 /NDF: 3454175.0/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 19.048+/-183.851 χ^2/NDF : 0.0/1

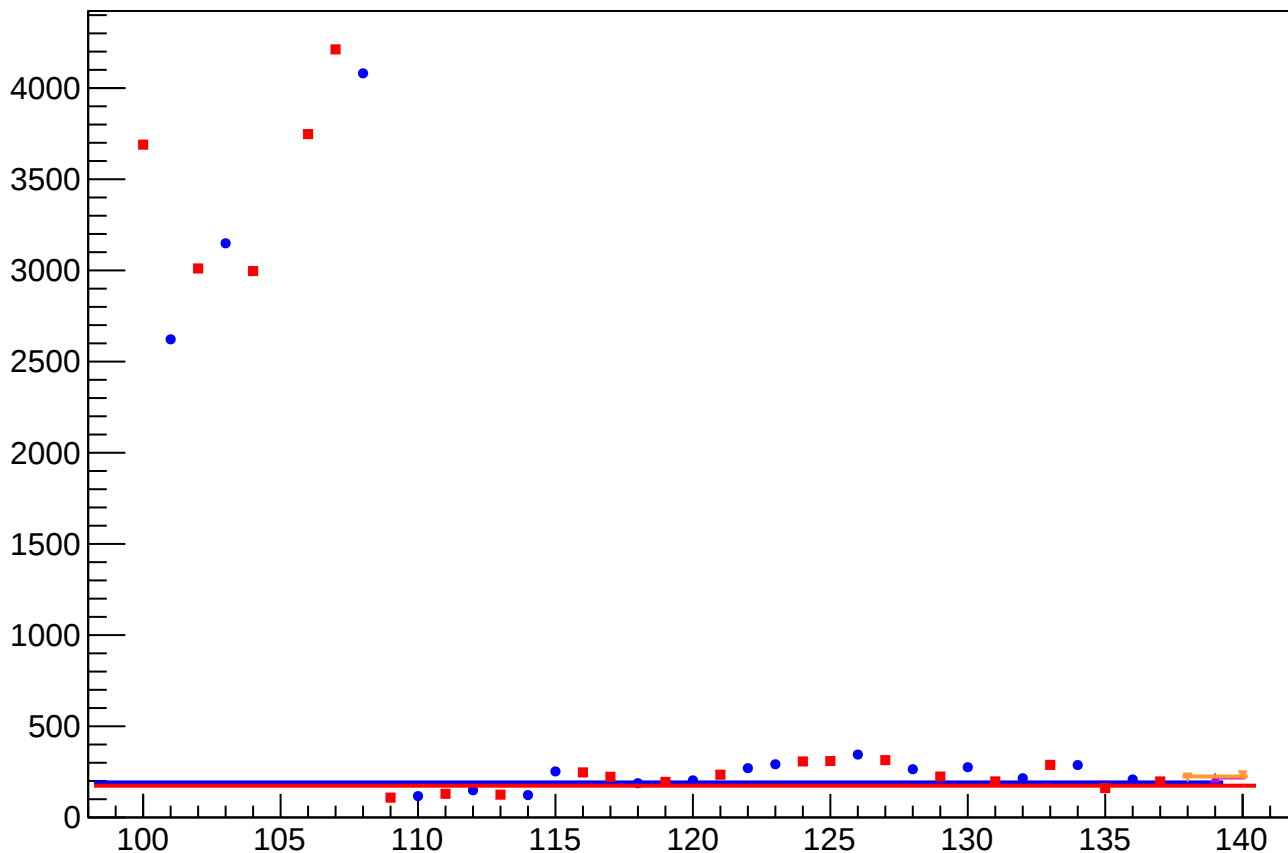
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -435.747+/-261.193 χ^2/NDF : 0.0/0

72.135+/-79.922 χ^2/NDF : 12.7/18

-46.171+/-77.388 χ^2/NDF : 13.5/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.177 $\pm$ 0.063 χ^2 /NDF: 3574617.3/16

Left Out: 224.735 $\pm$ 0.130 χ^2 /NDF:2036.7/1

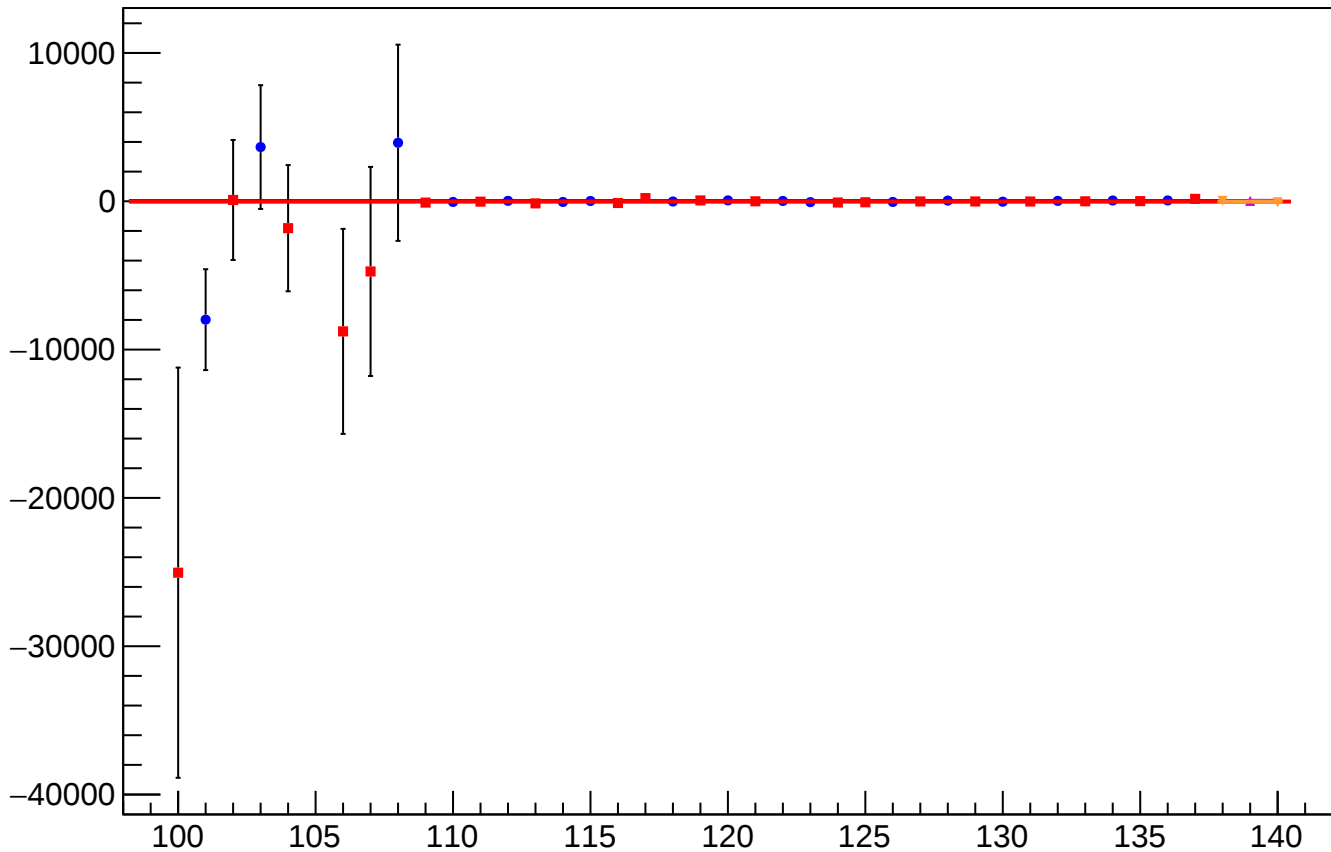
198.330 $\pm$ 0.057 χ^2 /NDF: 3627523.2/18

Right Out: 174.240 $\pm$ 0.057 χ^2 /NDF: 4215763.8/19

178.187 $\pm$ 0.055 χ^2 /NDF: 4269833.3/20

Left In: 219.204 $\pm$ 0.185 χ^2 /NDF:0.0/0

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -23.713+/-25.910 χ^2/NDF : 3.7/1

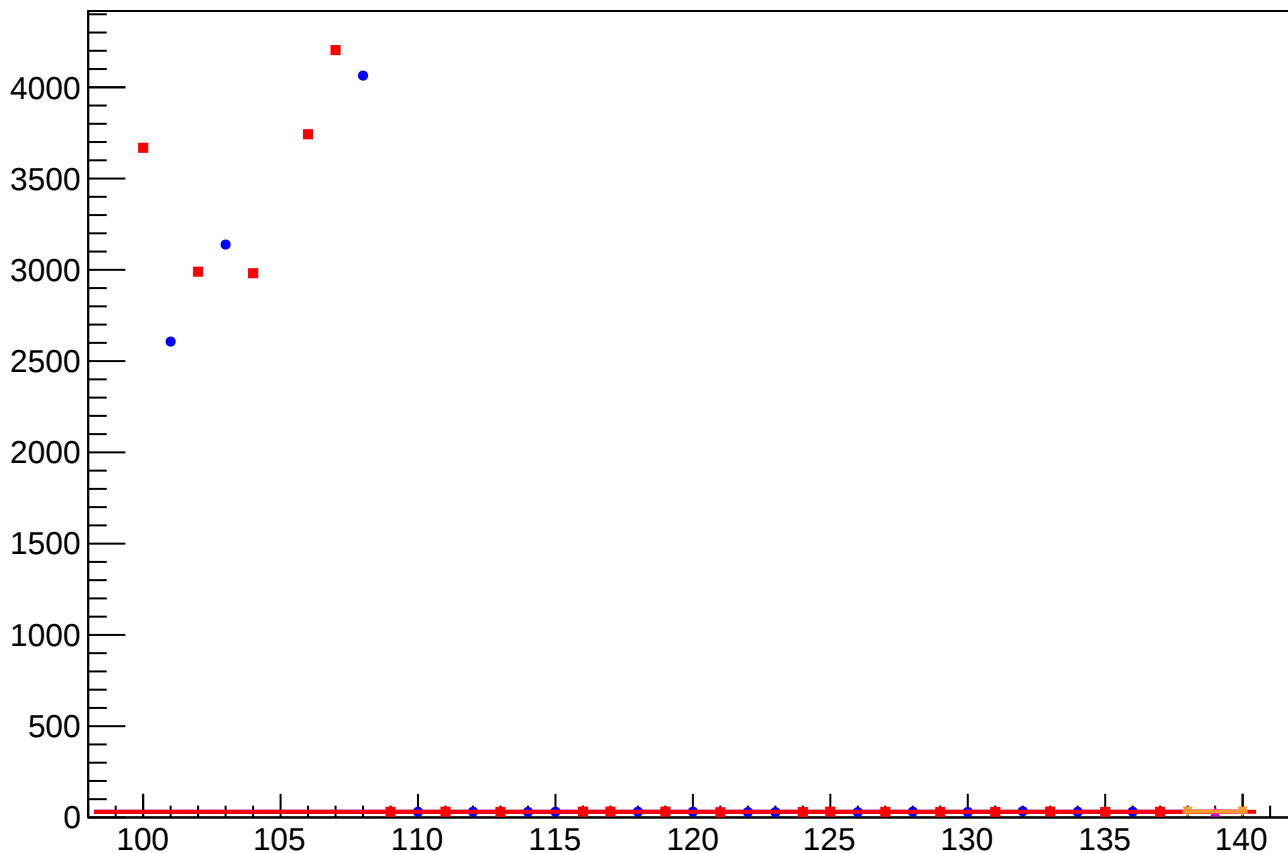
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: 28.279+/-37.565 χ^2/NDF : 0.0/0

4.762+/-12.127 χ^2/NDF : 19.8/18

-15.055+/-12.793 χ^2/NDF : 31.9/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.962+/-0.018 χ^2/NDF :37.1/1

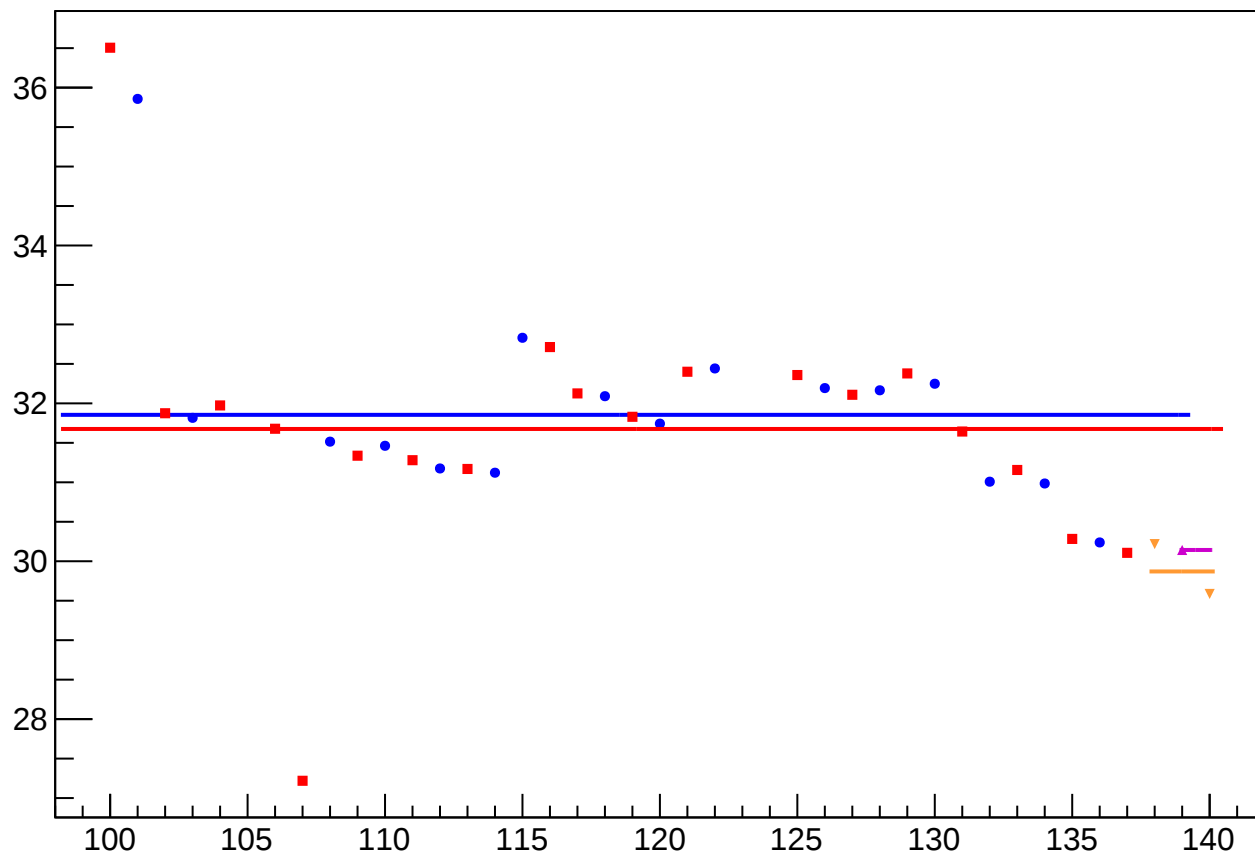
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 31.901+/-0.027 χ^2/NDF :0.0/0

31.330+/-0.009 χ^2/NDF : 3016075.1/18

31.078+/-0.009 χ^2/NDF : 3460084.3/20

yield_usl_mean vs Slug



Right In: 31.855 ± 0.000 χ^2/NDF : 1570522165.5/15

Left Out: 29.871 ± 0.000 χ^2/NDF : 15967925.7/1

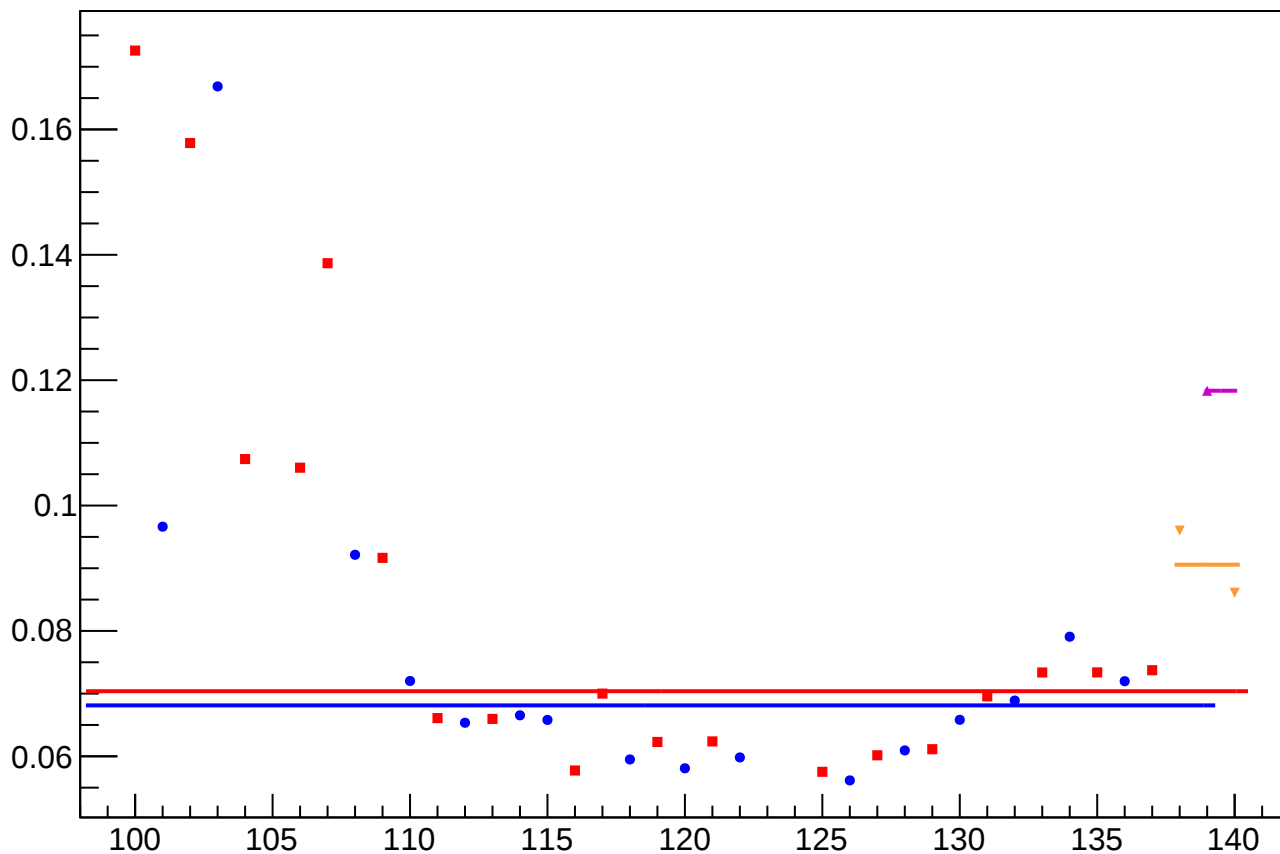
Right Out: 31.676 ± 0.000 χ^2/NDF : 919678295.7/18

Left In: 30.143 ± 0.000 χ^2/NDF : 0.0/0

31.626 ± 0.000 χ^2/NDF : 2149999423.4/17

31.615 ± 0.000 χ^2/NDF : 1031812355.5/19

yield_usl_rms vs Slug



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.091 ± 0.000 χ^2/NDF : 7883.9/1

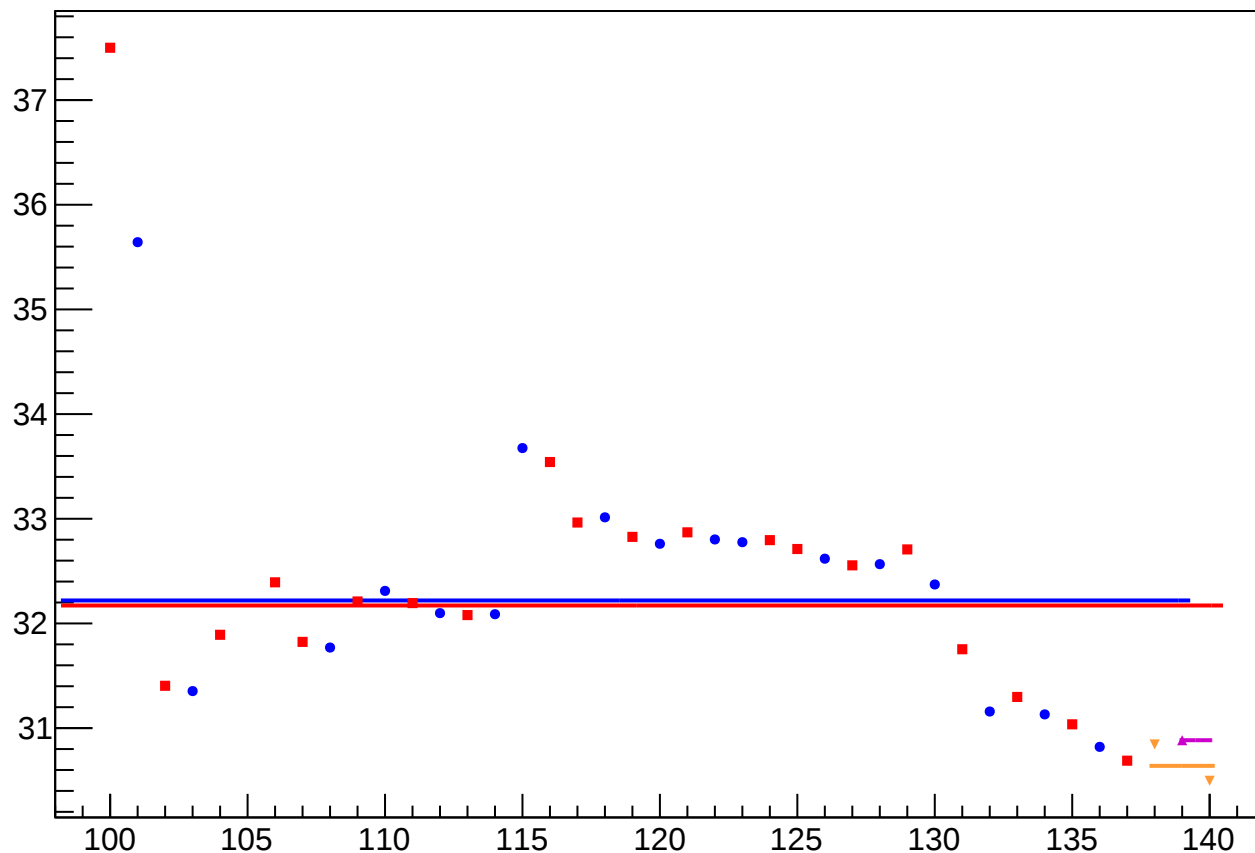
Right Out: 0.070 ± 0.000 χ^2/NDF : 841322.7/18

Left In: 0.118 ± 0.000 χ^2/NDF : 0.0/0

0.071 ± 0.000 χ^2/NDF : 781857.3/17

0.072 ± 0.000 χ^2/NDF : 1060623.2/19

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 30.640+/-0.000 χ^2/NDF : 5255046.4/1

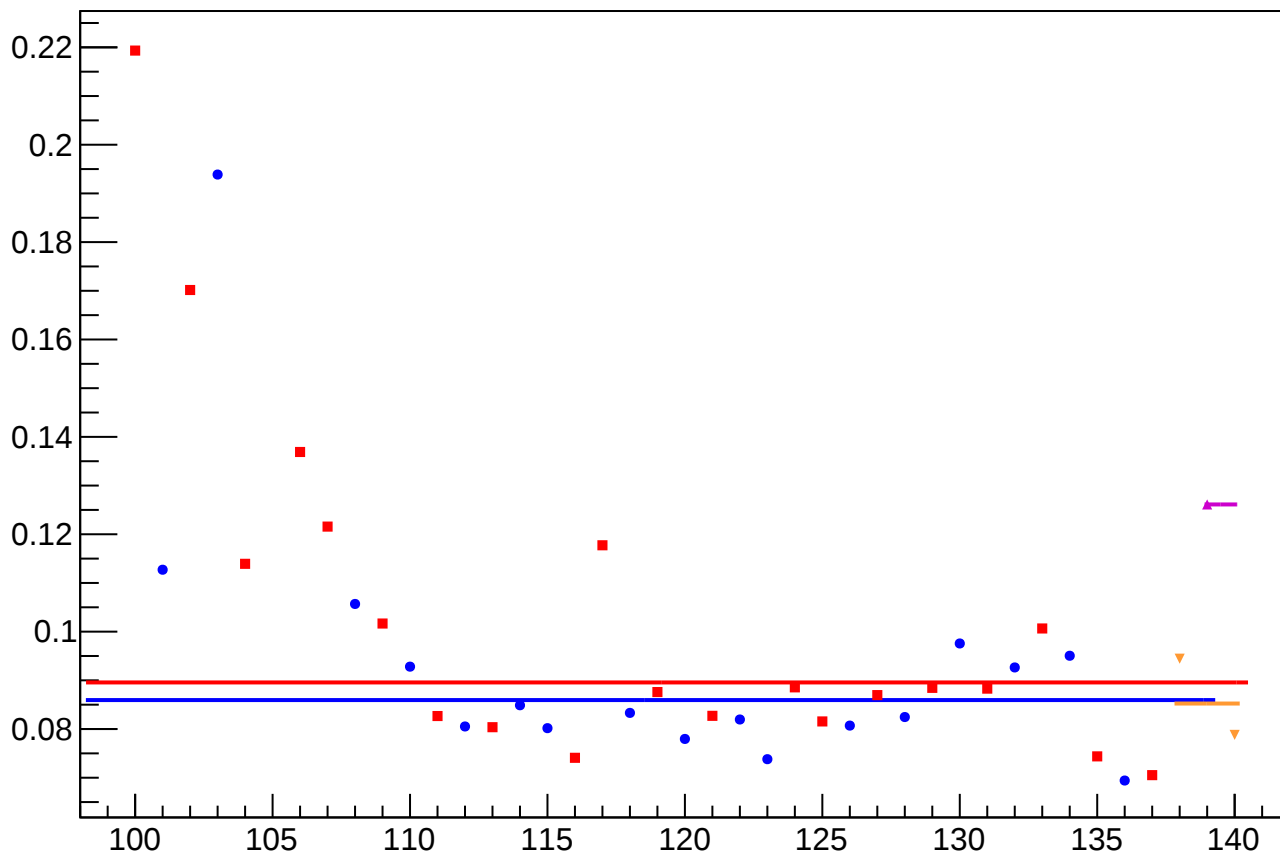
Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

Left In: 30.884+/-0.000 χ^2/NDF : 0.0/0

31.924+/-0.000 χ^2/NDF : 1384868880.5/18

32.101+/-0.000 χ^2/NDF : 513558224.4/20

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 21366.0/1

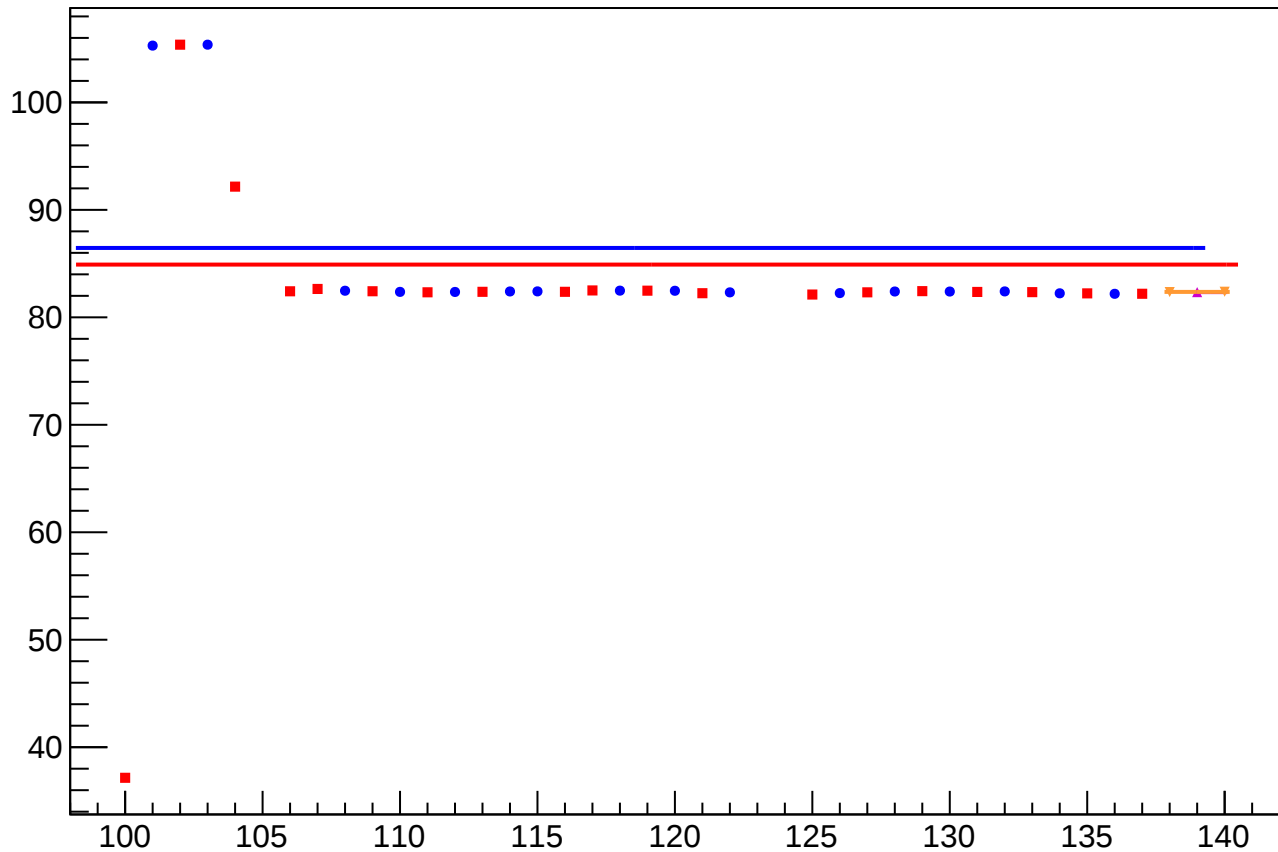
Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 544516.7/19

Left In: 0.126 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.086 $\pm$ 0.000 χ^2 /NDF: 574795.3/18

0.092 $\pm$ 0.000 χ^2 /NDF: 656500.6/20

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.366+/-0.000 χ^2/NDF : 185100.6/1

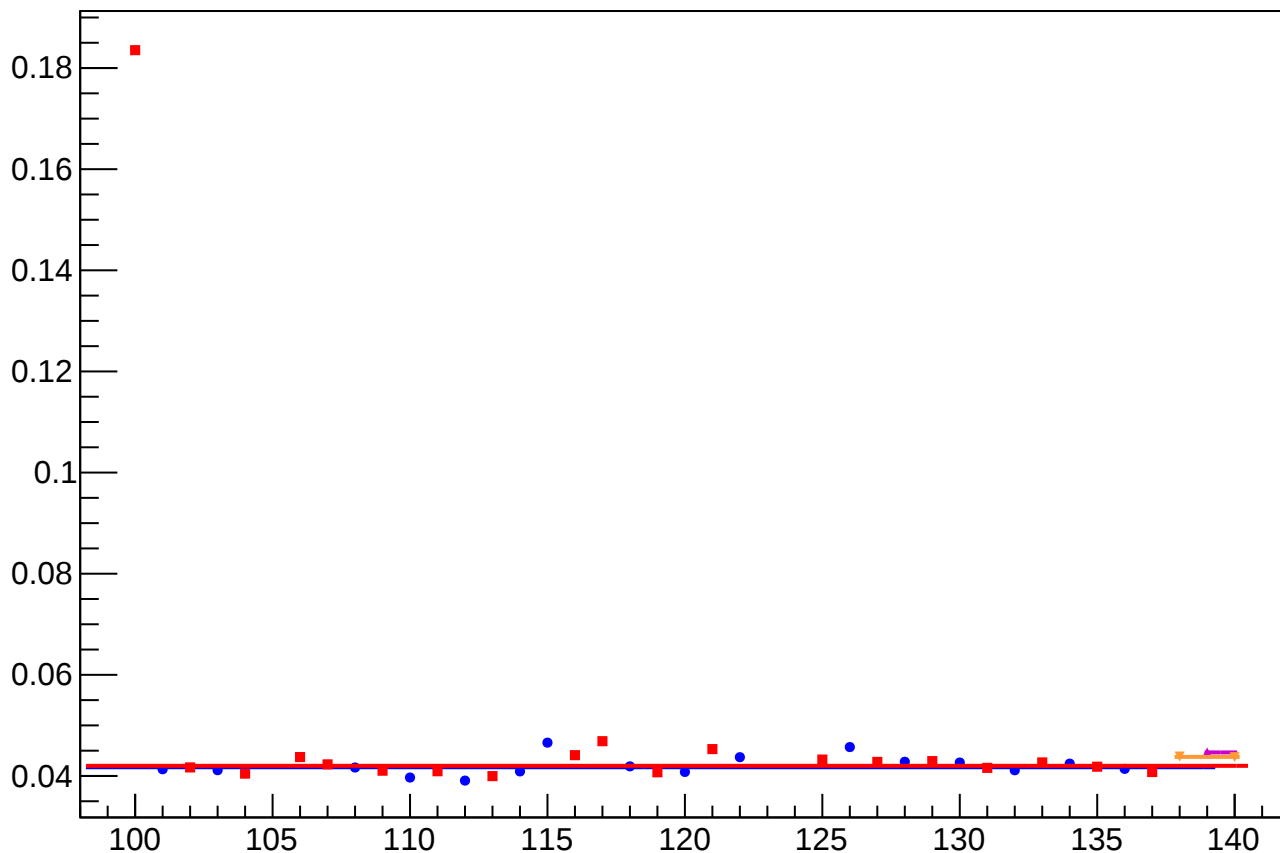
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.346+/-0.000 χ^2/NDF : 0.0/0

85.748+/-0.000 χ^2/NDF : 302349054618.6/17

84.694+/-0.000 χ^2/NDF : 174460399075.2/19

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.044+/-0.000 χ^2/NDF : 5.8/1

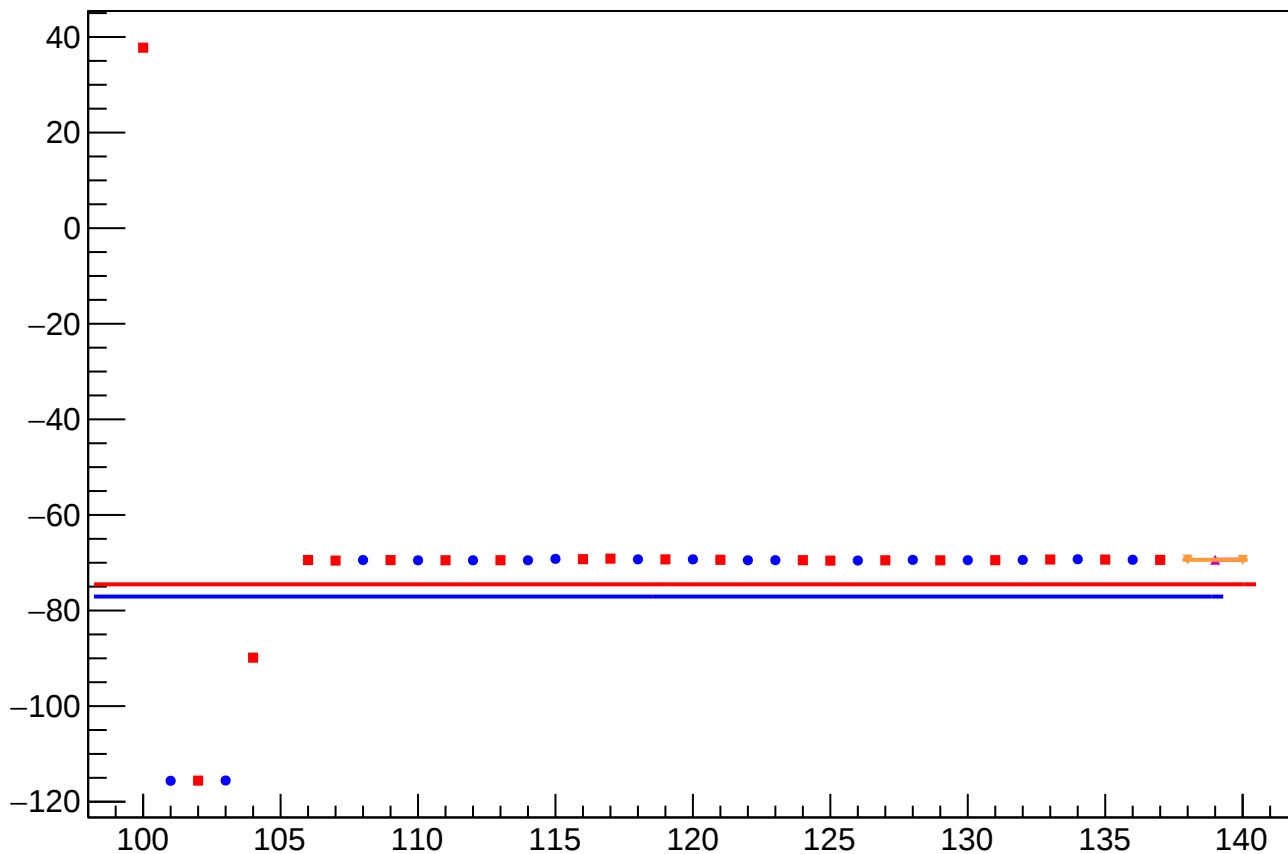
Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

Left In: 0.045+/-0.000 χ^2/NDF : 0.0/0

0.042+/-0.000 χ^2/NDF : 24348.7/17

0.042+/-0.000 χ^2/NDF : 102389.8/19

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.388+/-0.000 χ^2/NDF : 562853.7/1

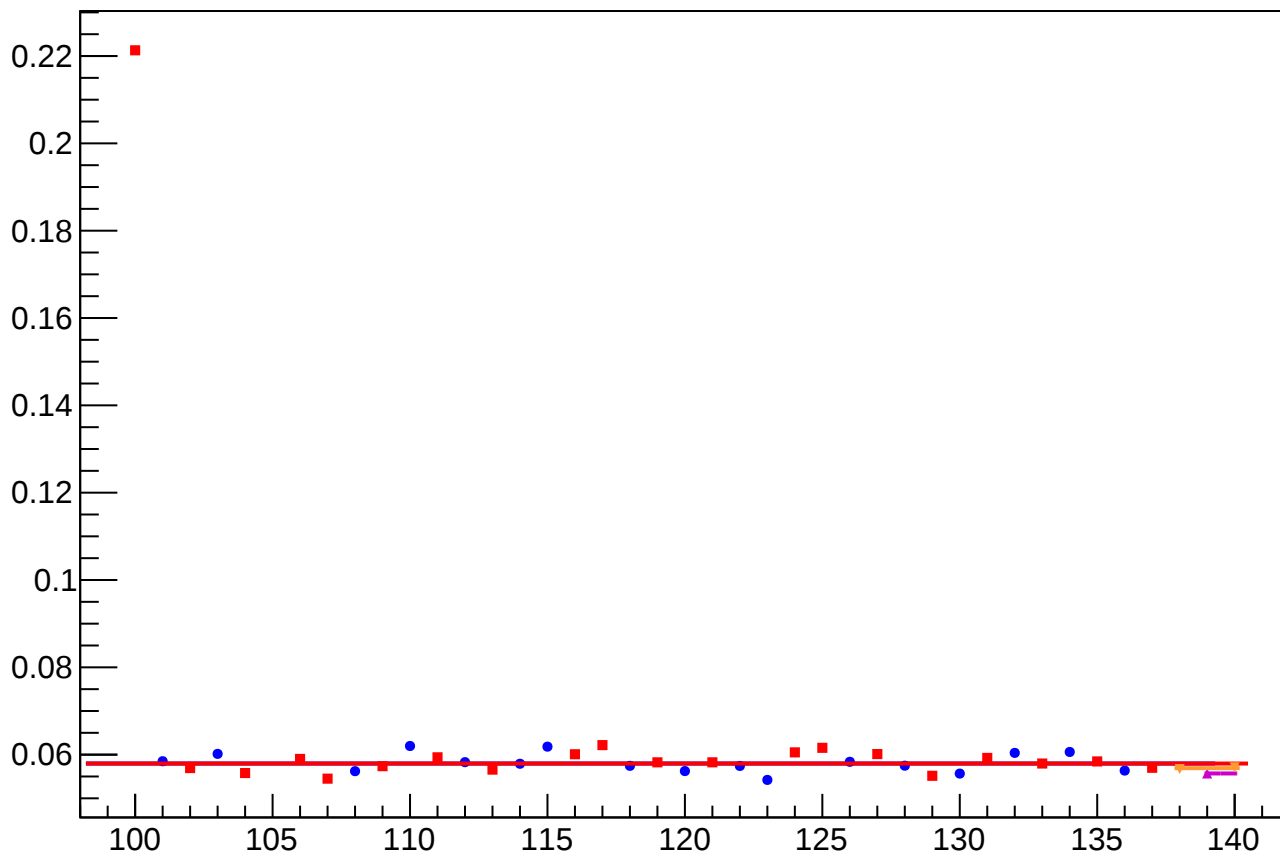
Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

Left In: -69.368+/-0.000 χ^2/NDF : 0.0/0

-75.593+/-0.000 χ^2/NDF : 587191483891.4/18

-74.006+/-0.000 χ^2/NDF : 377617253935.8/20

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.057+/-0.000 χ^2/NDF : 37.4/1

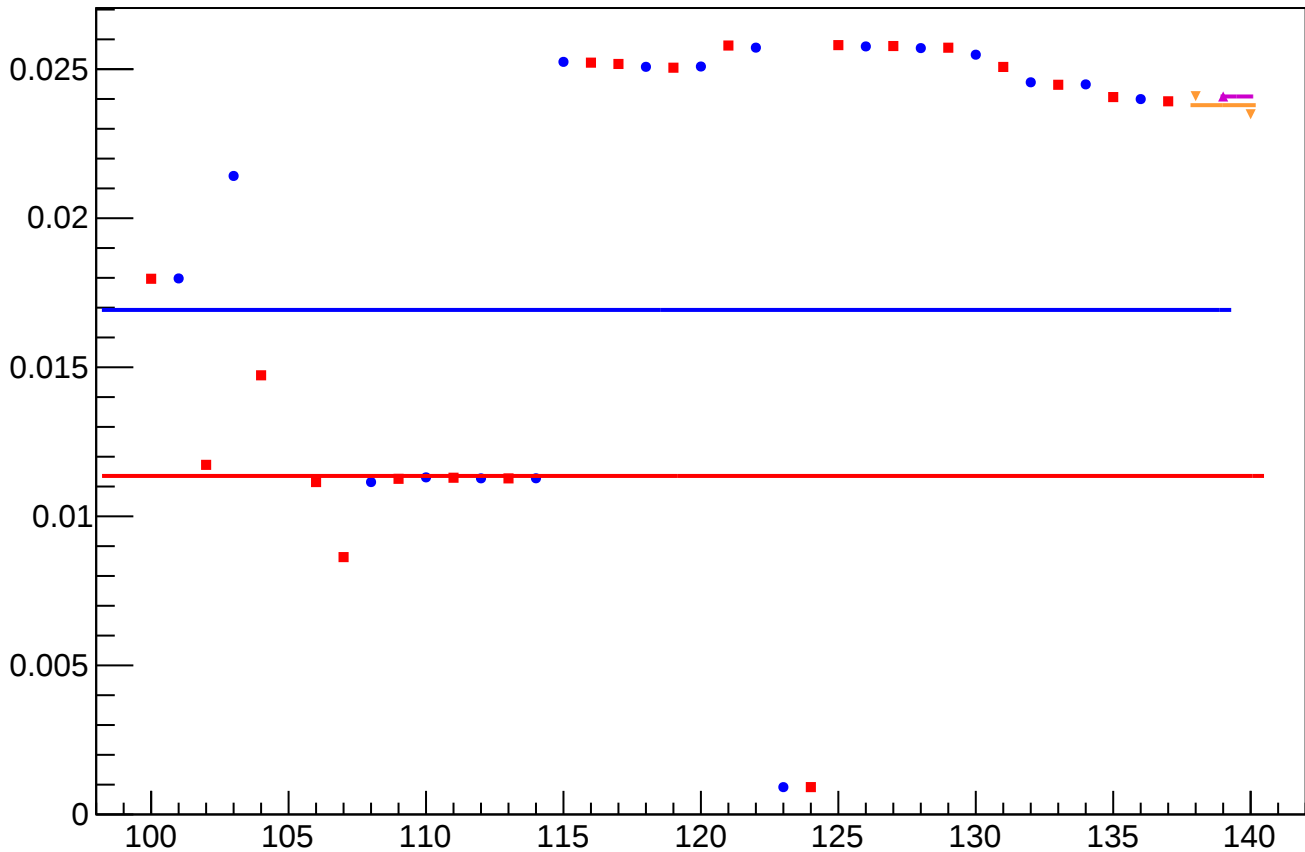
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.056+/-0.000 χ^2/NDF : 0.0/0

0.058+/-0.000 χ^2/NDF : 13155.8/18

0.058+/-0.000 χ^2/NDF : 88963.8/20

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF:21522176.3/1

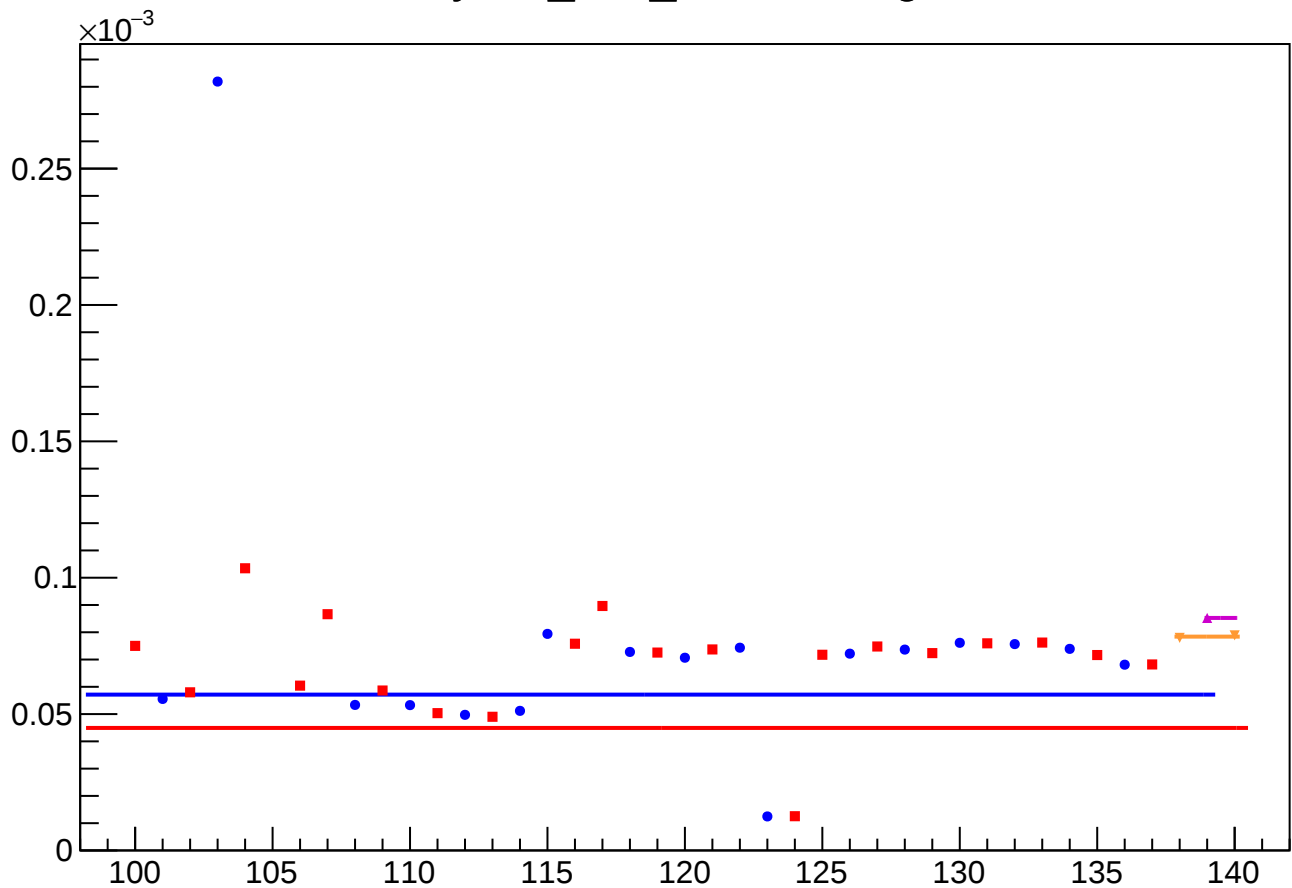
0.018 $\pm$ 0.000 χ^2 /NDF: 136177614147.9/18

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.012 $\pm$ 0.000 χ^2 /NDF: 250950824433.1/20

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF:0.0/0

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 99.7/1

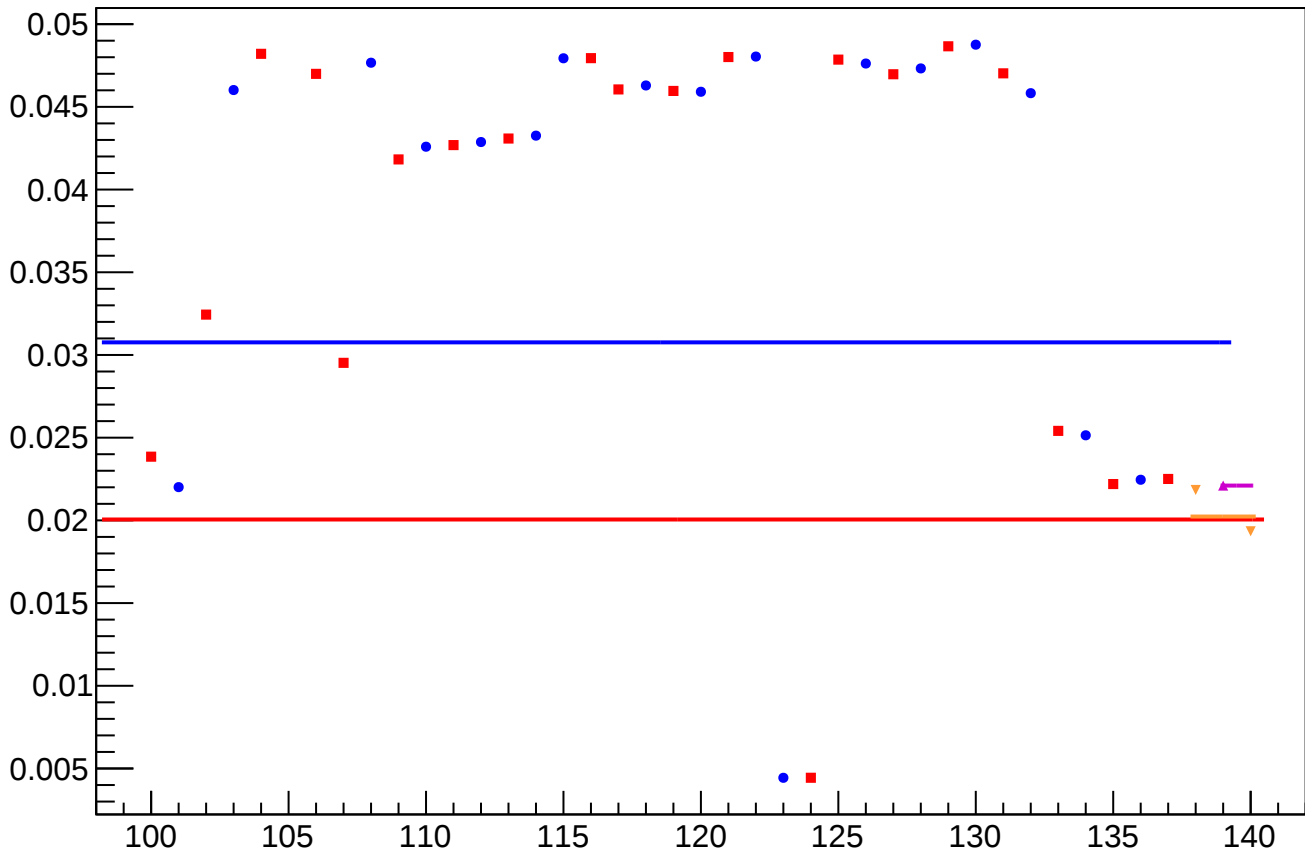
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 2186614.8/18

0.000+/-0.000 χ^2/NDF : 3918251.4/20

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 23896150.1/1

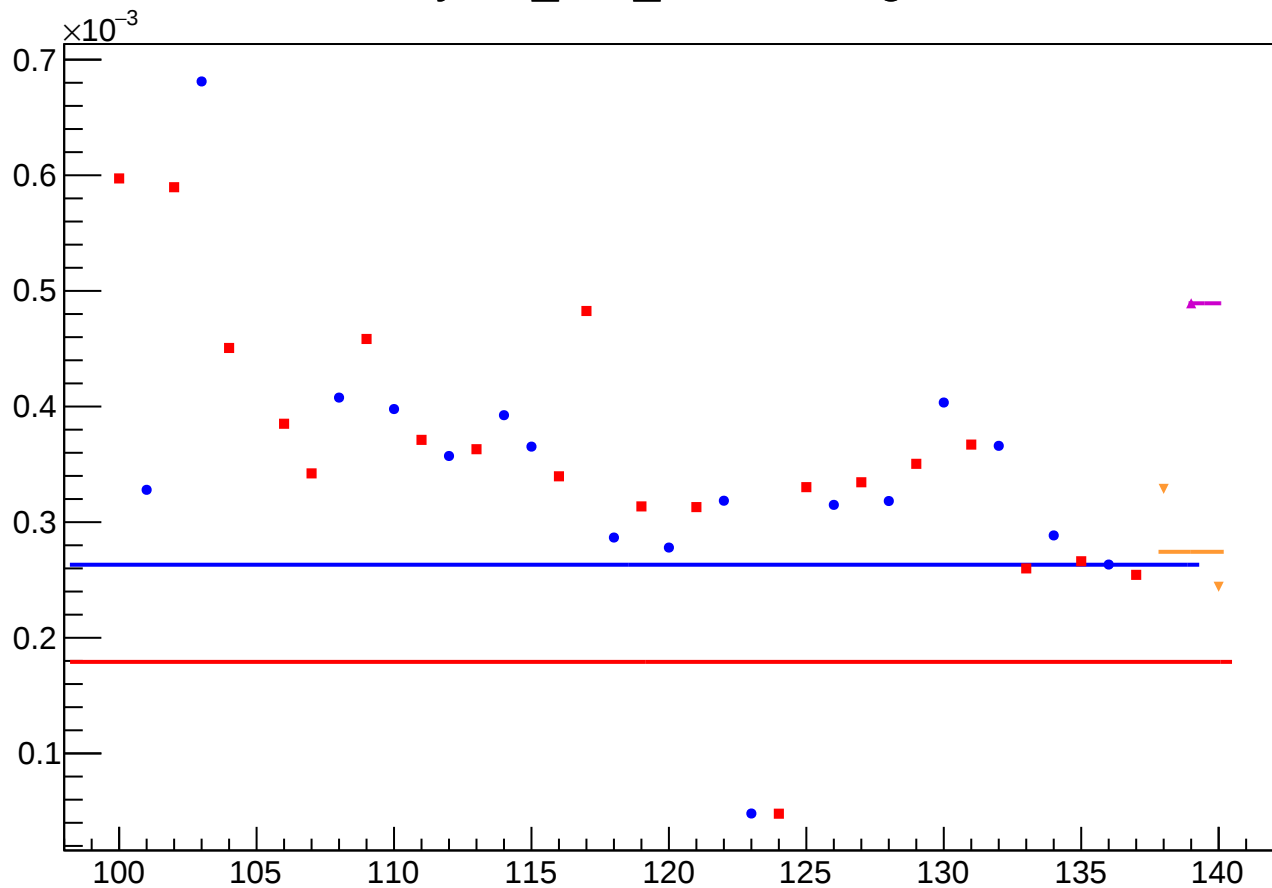
0.029+/-0.000 χ^2/NDF : 22695291927.9/18

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

0.020+/-0.000 χ^2/NDF : 40145710074.3/20

Left In: 0.022+/-0.000 χ^2/NDF : 0.0/0

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 54869.0/1

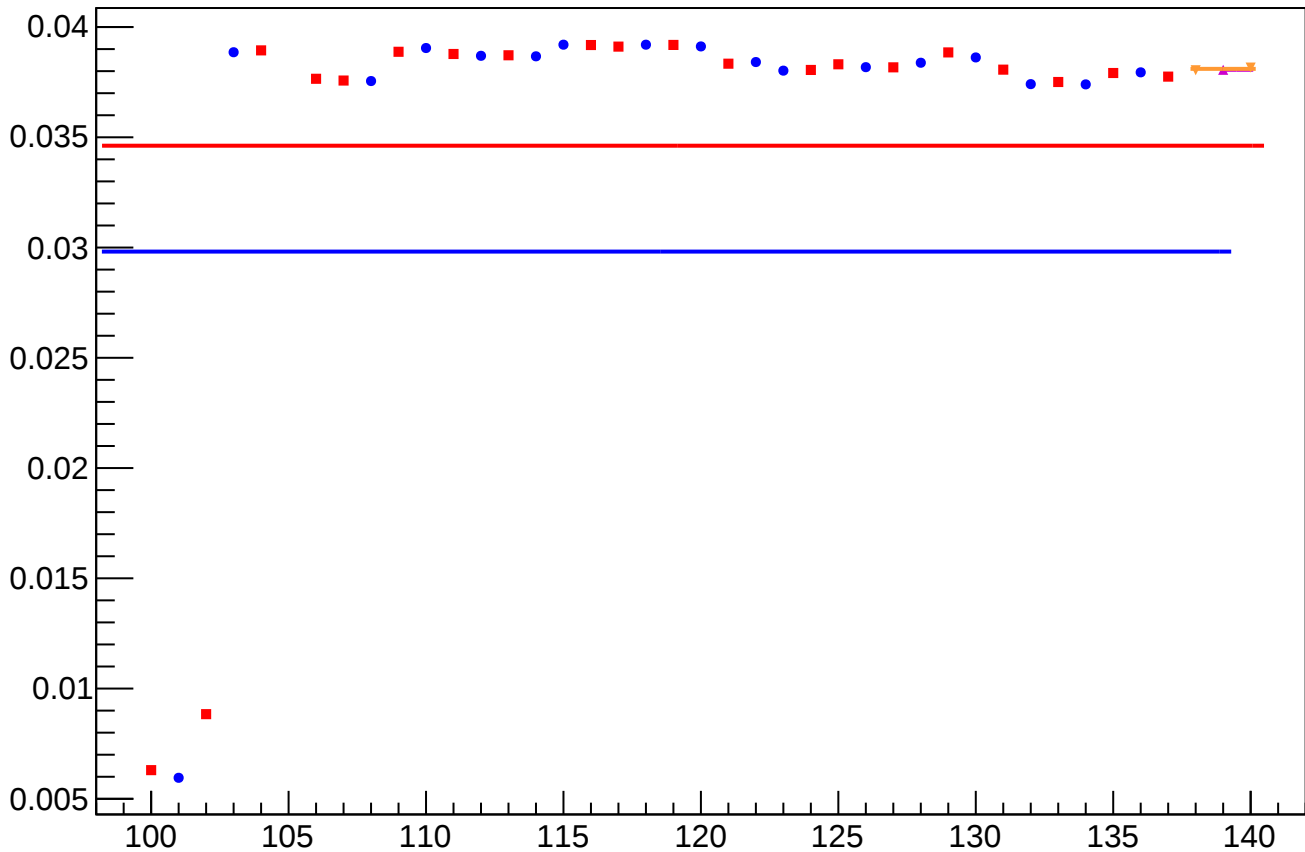
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 2459290.2/18

0.000+/-0.000 χ^2/NDF : 5924385.5/20

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.038+/-0.000 χ^2/NDF : 254491.8/1

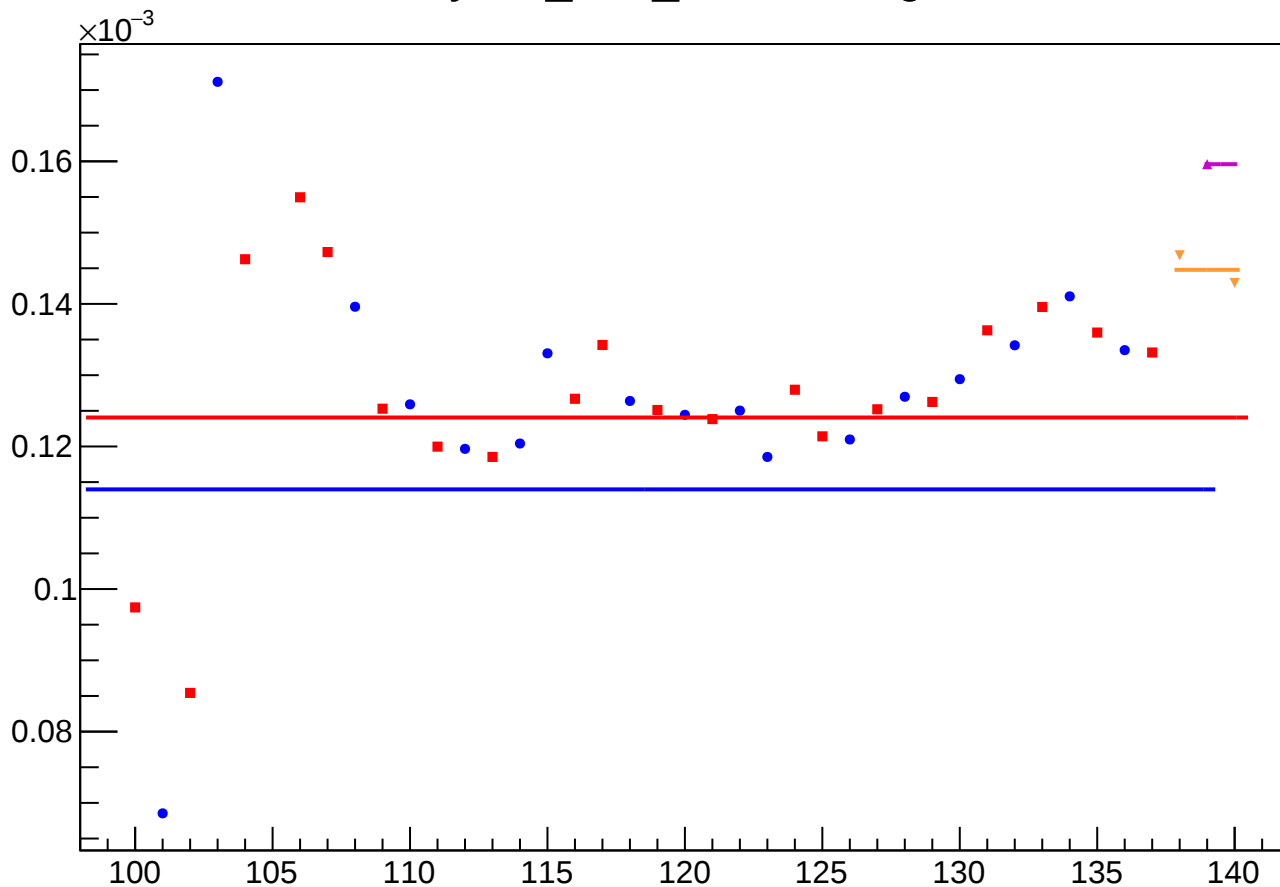
0.031+/-0.000 χ^2/NDF : 101326373160.2/18

Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

0.035+/-0.000 χ^2/NDF : 44029801665.4/20

Left In: 0.038+/-0.000 χ^2/NDF : 0.0/0

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 794542.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:523.8/1

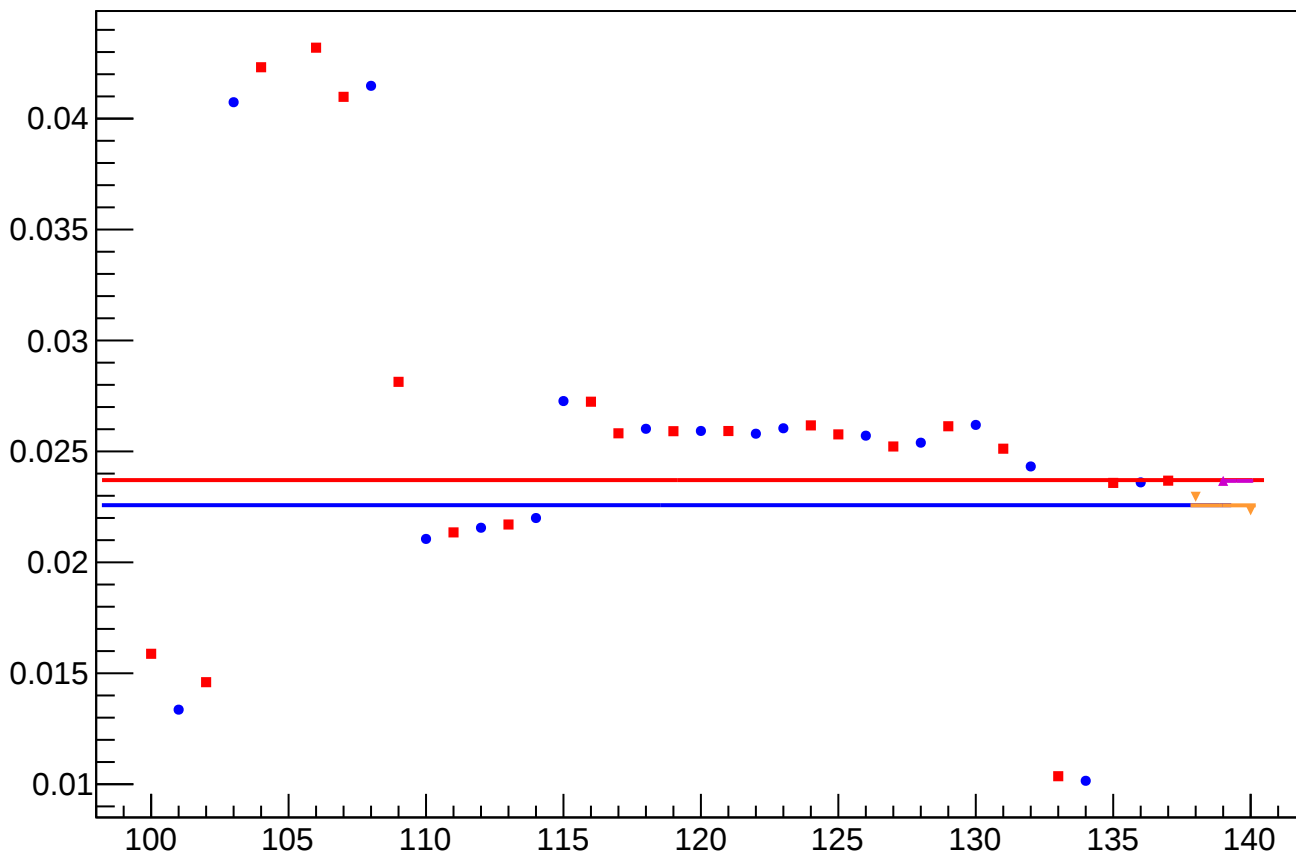
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245649.5/19

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

0.000 $\pm$ 0.000 χ^2 /NDF: 910402.9/18

0.000 $\pm$ 0.000 χ^2 /NDF: 312170.8/20

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.023+/-0.000 χ^2/NDF :1660886.4/1

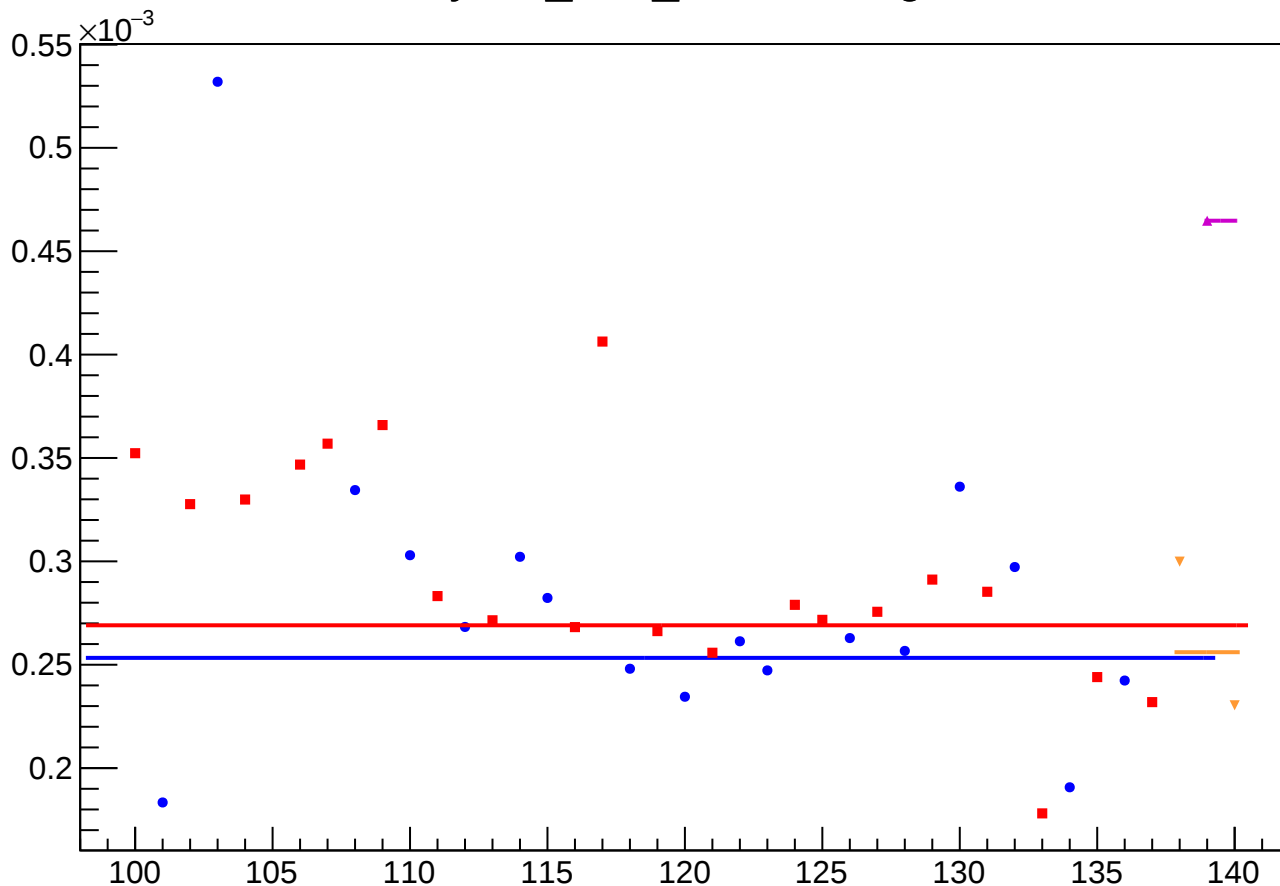
Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

Left In: 0.024+/-0.000 χ^2/NDF :0.0/0

0.023+/-0.000 χ^2/NDF : 4249436325.9/18

0.024+/-0.000 χ^2/NDF : 5652509090.3/20

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 42863.8/1

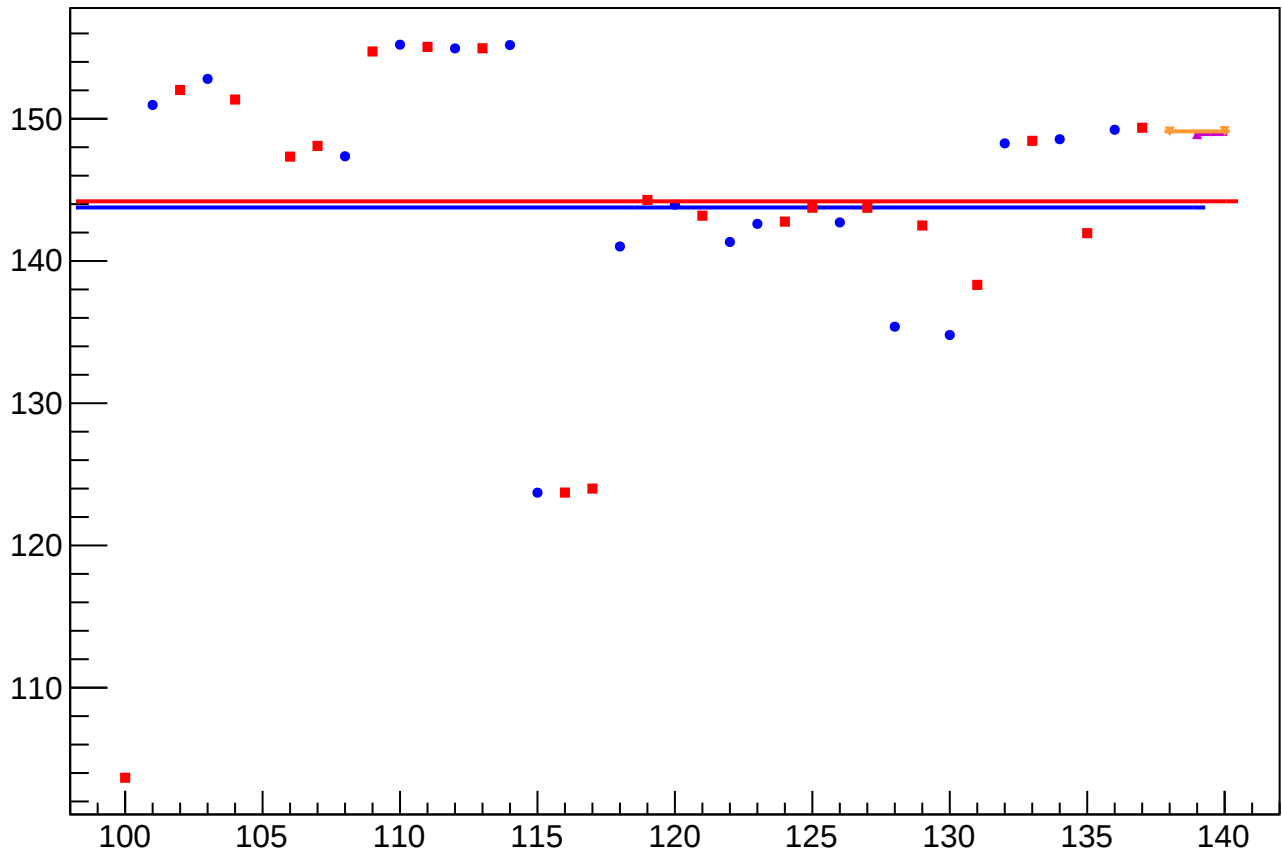
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 672260.4/18

0.000+/-0.000 χ^2/NDF : 677194.0/20

yield_bcm_an_ds_mean vs Slug



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 149.116+/-0.000 χ^2/NDF : 4669.5/1

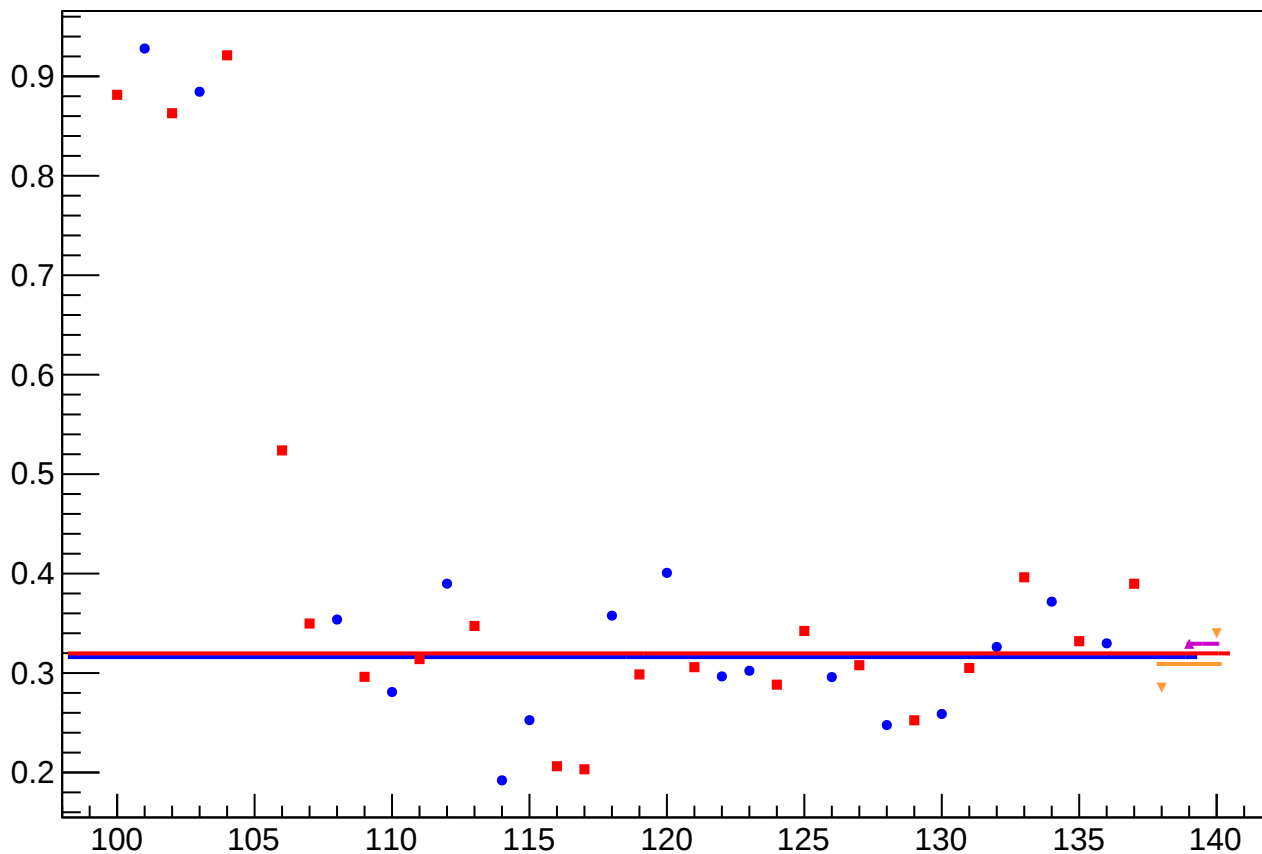
144.929+/-0.000 χ^2/NDF : 3881995992.2/18

Right Out: 144.197+/-0.000 χ^2/NDF : 4523139755.0/19

144.674+/-0.000 χ^2/NDF : 4652993961.1/20

Left In: 148.927+/-0.000 χ^2/NDF : 0.0/0

yield_bcm_an_ds_rms vs Slug



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.309+/-0.000 χ^2/NDF : 22800.1/1

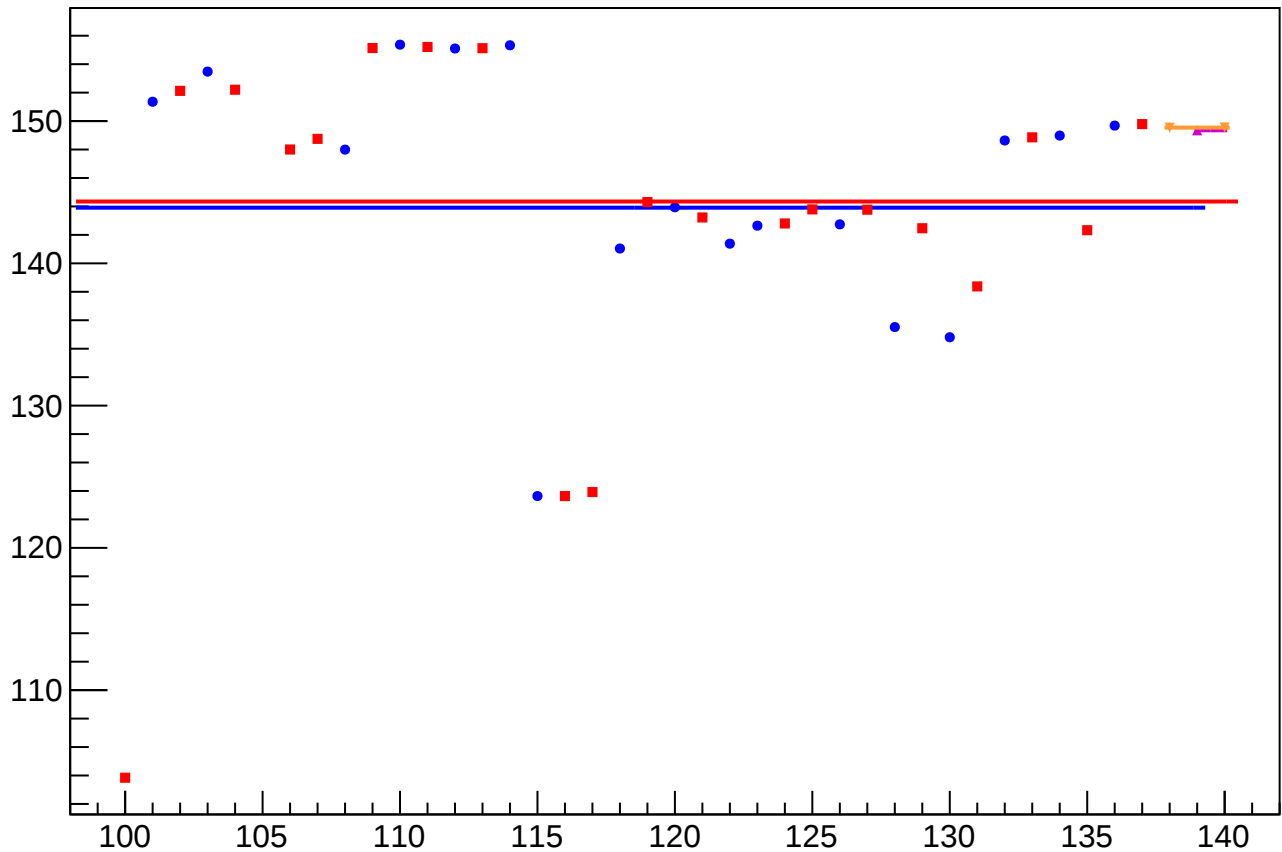
Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

Left In: 0.329+/-0.000 χ^2/NDF : 0.0/0

0.315+/-0.000 χ^2/NDF : 1289883.9/18

0.321+/-0.000 χ^2/NDF : 1242837.3/20

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 149.541 $\pm$ 0.000 χ^2 /NDF: 624.6/1

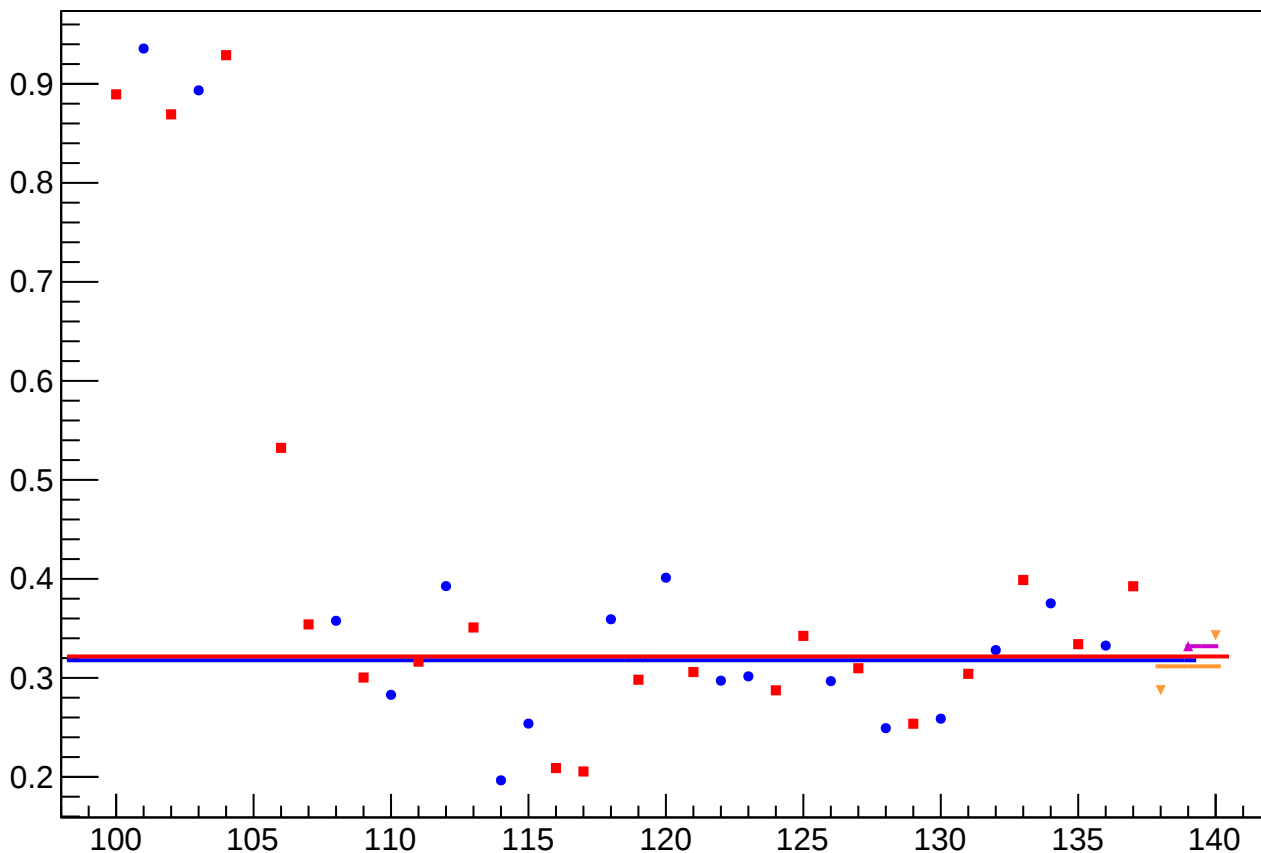
145.134 $\pm$ 0.000 χ^2 /NDF: 3965864874.9/18

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

144.850 $\pm$ 0.000 χ^2 /NDF: 4693735513.1/20

Left In: 149.351 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.312+/-0.000 χ^2/NDF : 23020.6/1

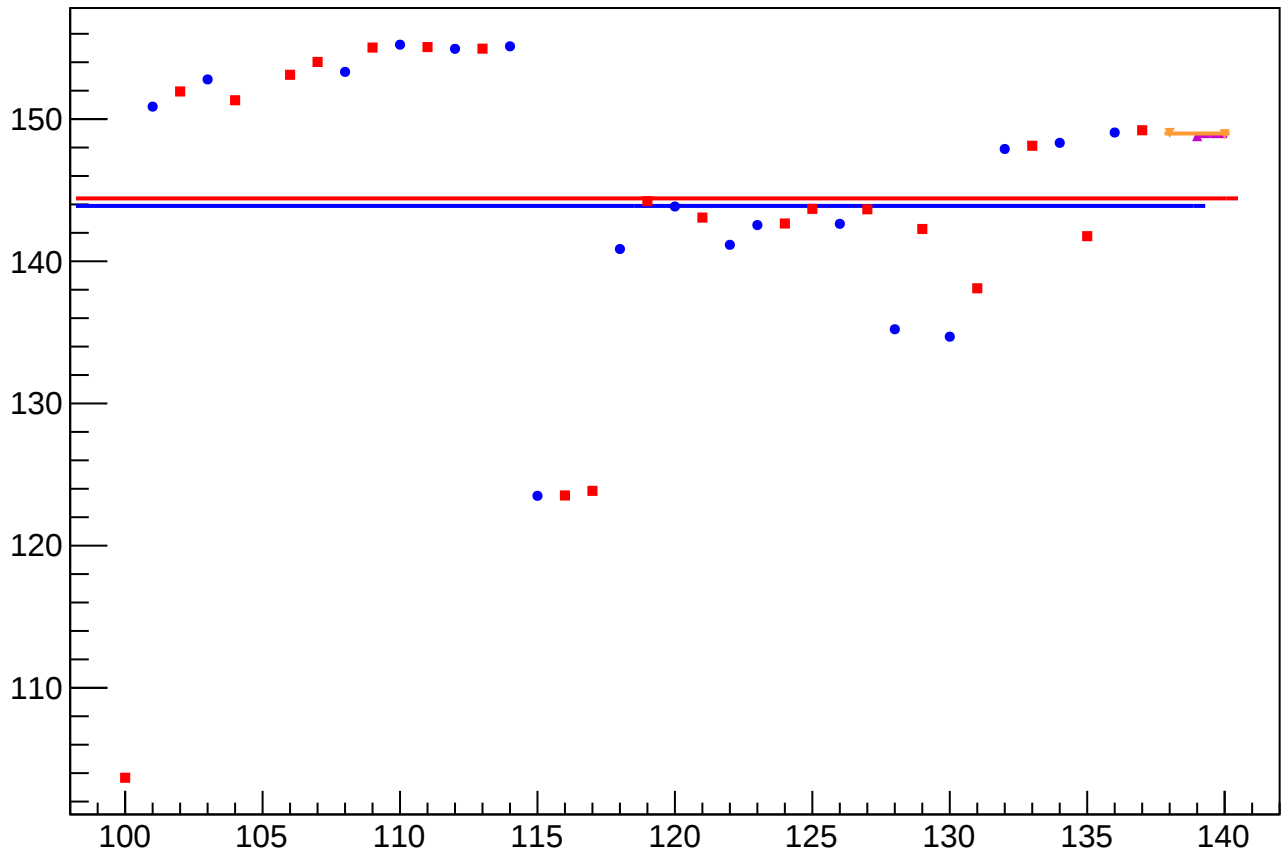
Right Out: 0.322+/-0.000 χ^2/NDF : 1244304.0/19

Left In: 0.332+/-0.000 χ^2/NDF : 0.0/0

0.316+/-0.000 χ^2/NDF : 1292172.0/18

0.323+/-0.000 χ^2/NDF : 1245529.8/20

yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.987+/-0.000 χ^2/NDF : 29210.6/1

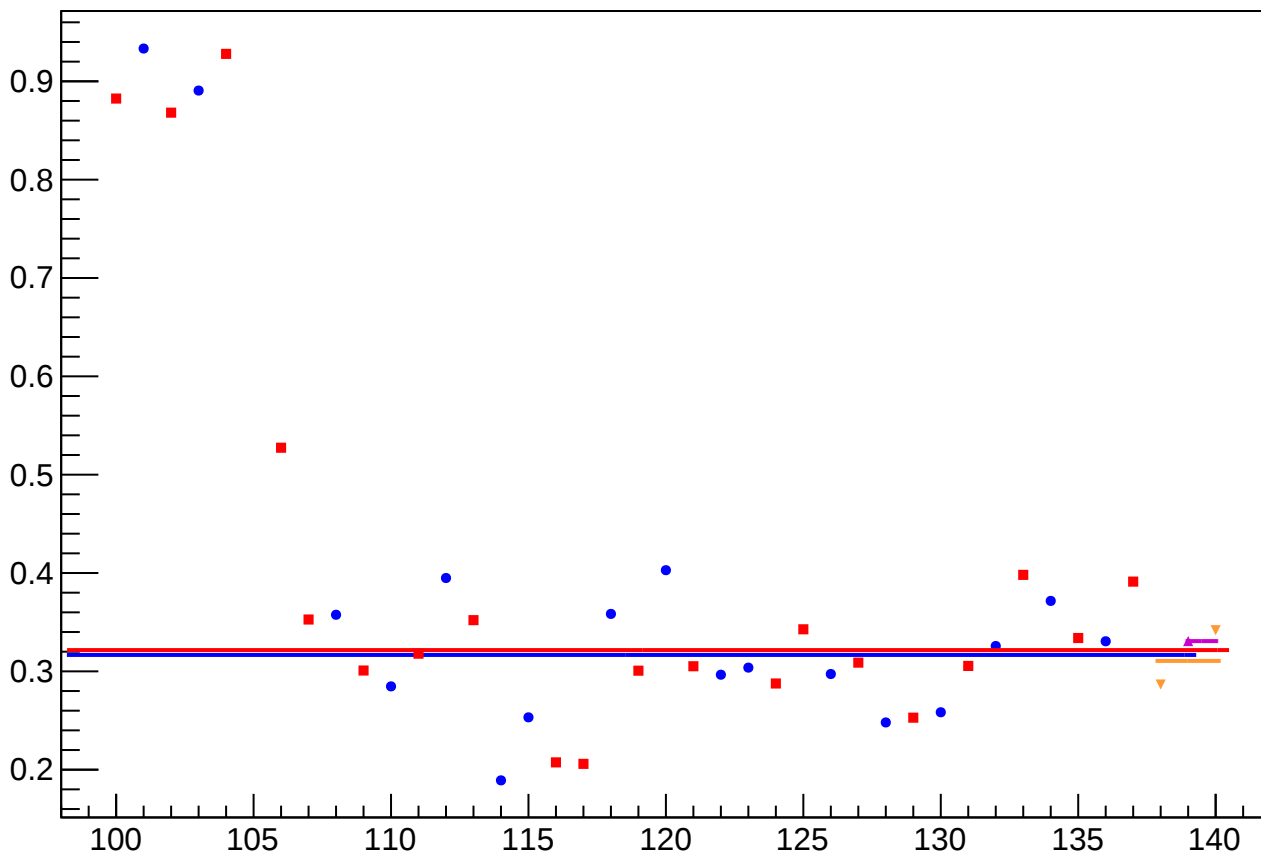
145.000+/-0.000 χ^2/NDF : 4064252464.4/18

Right Out: 144.423+/-0.000 χ^2/NDF : 4819194675.6/19

144.867+/-0.000 χ^2/NDF : 4929570168.2/20

Left In: 148.802+/-0.000 χ^2/NDF : 0.0/0

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.311 ± 0.000 χ^2/NDF : 22984.6/1

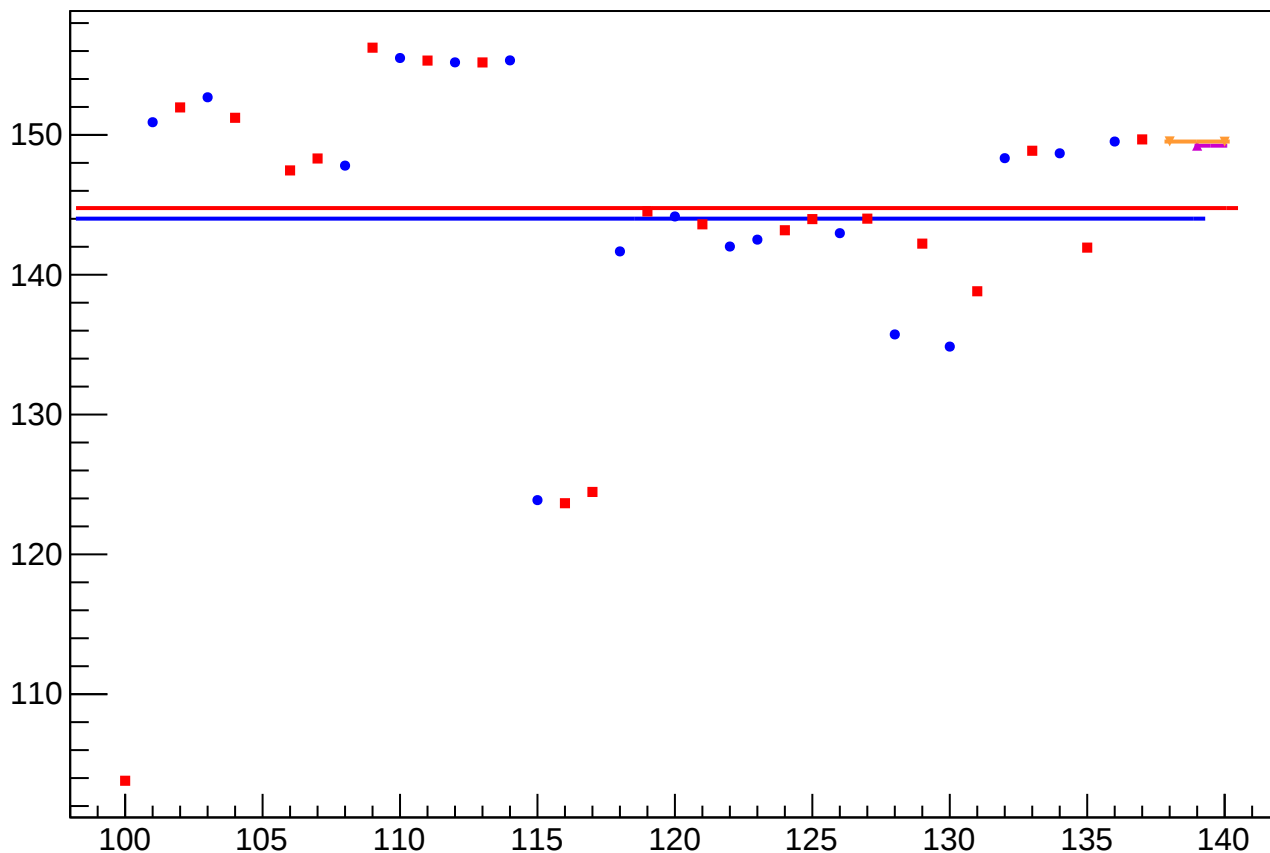
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244671.1/19

Left In: 0.331 ± 0.000 χ^2/NDF : 0.0/0

0.315 ± 0.000 χ^2/NDF : 1304227.9/18

0.323 ± 0.000 χ^2/NDF : 1245632.9/20

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 149.527 $\pm$ 0.000 χ^2 /NDF:1413.0/1

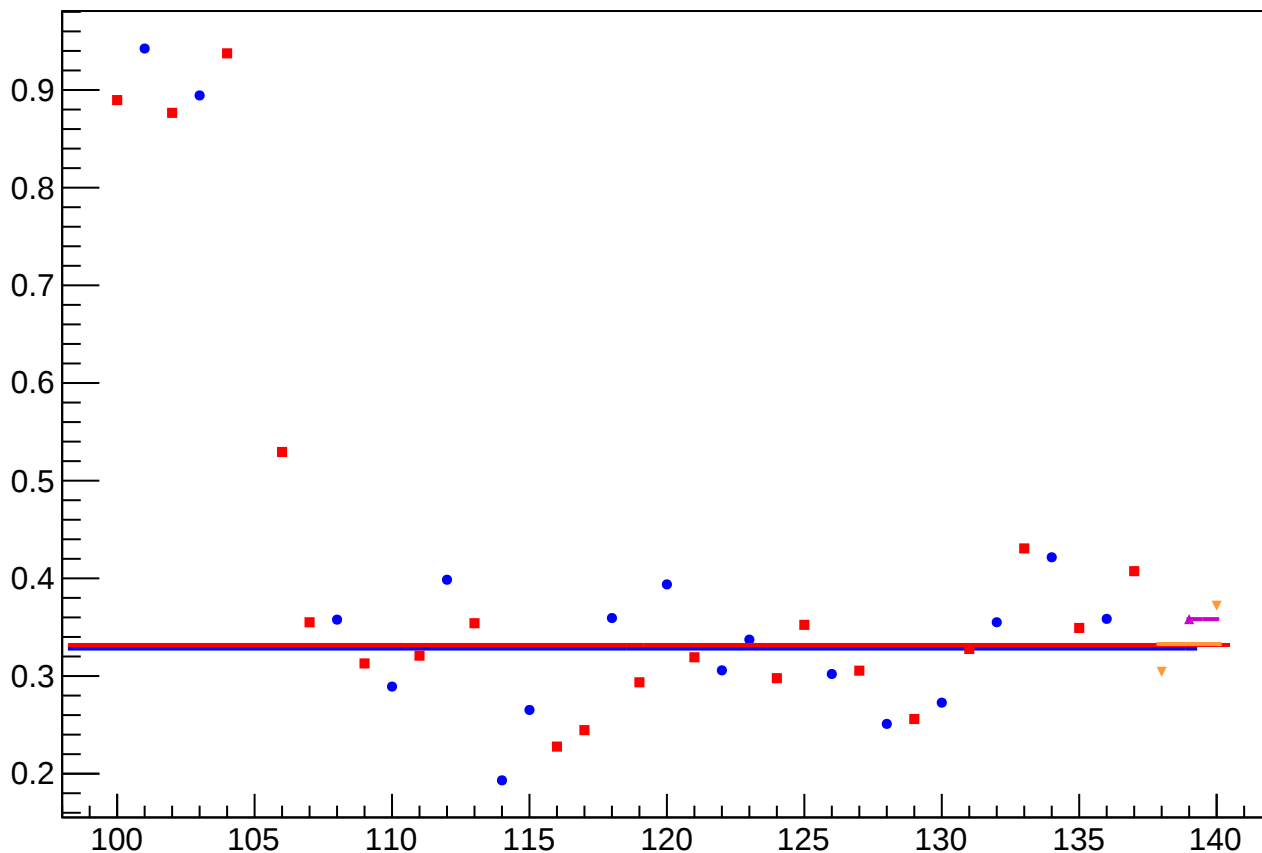
Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

Left In: 149.232 $\pm$ 0.000 χ^2 /NDF:0.0/0

145.134 $\pm$ 0.000 χ^2 /NDF: 3559176452.4/18

145.177 $\pm$ 0.000 χ^2 /NDF: 4195205388.6/20

yield_bcm_dg_us_rms vs Slug



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.333+/-0.000 χ^2/NDF : 29263.2/1

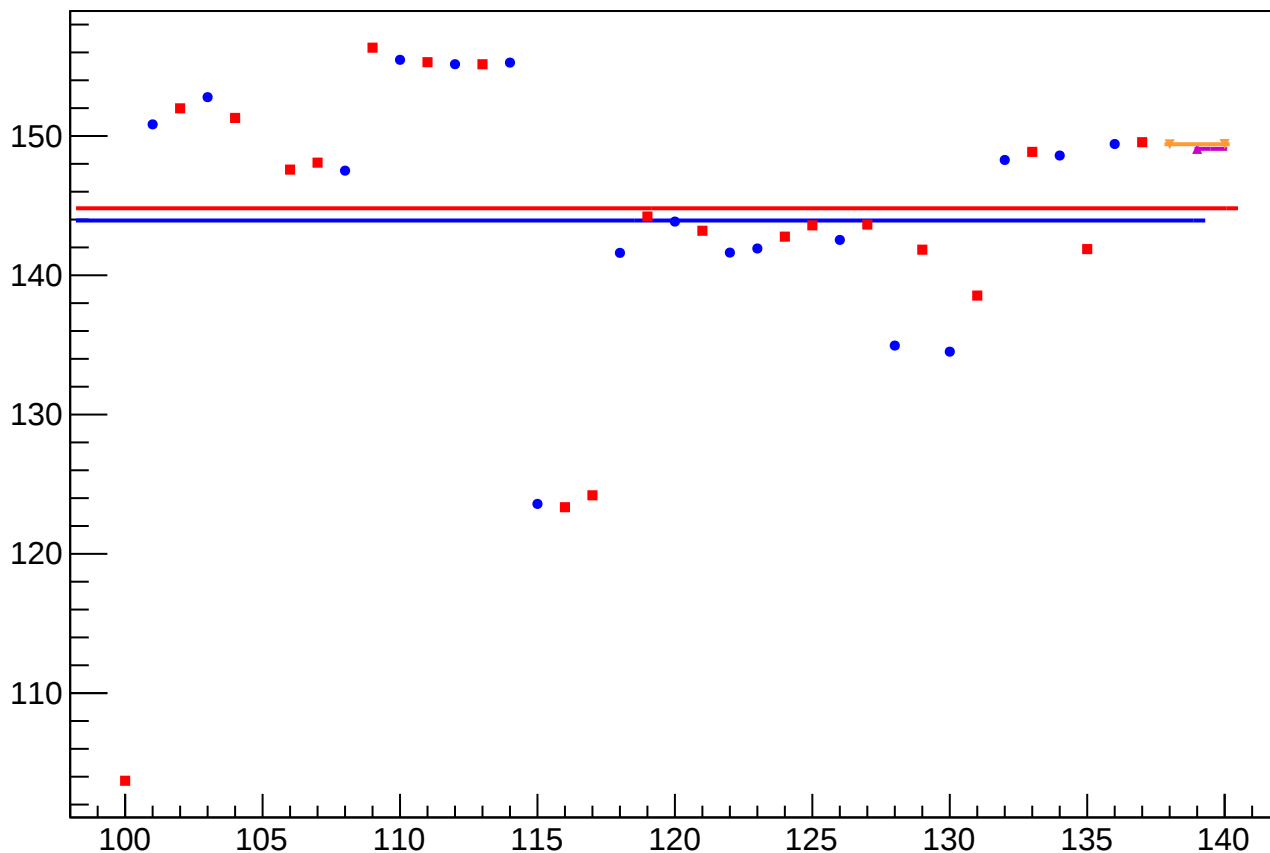
Right Out: 0.332+/-0.000 χ^2/NDF : 1194167.8/19

Left In: 0.358+/-0.000 χ^2/NDF : 0.0/0

0.329+/-0.000 χ^2/NDF : 1295616.8/18

0.334+/-0.000 χ^2/NDF : 1201043.2/20

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 149.409 ± 0.000 χ^2/NDF : 1259.1/1

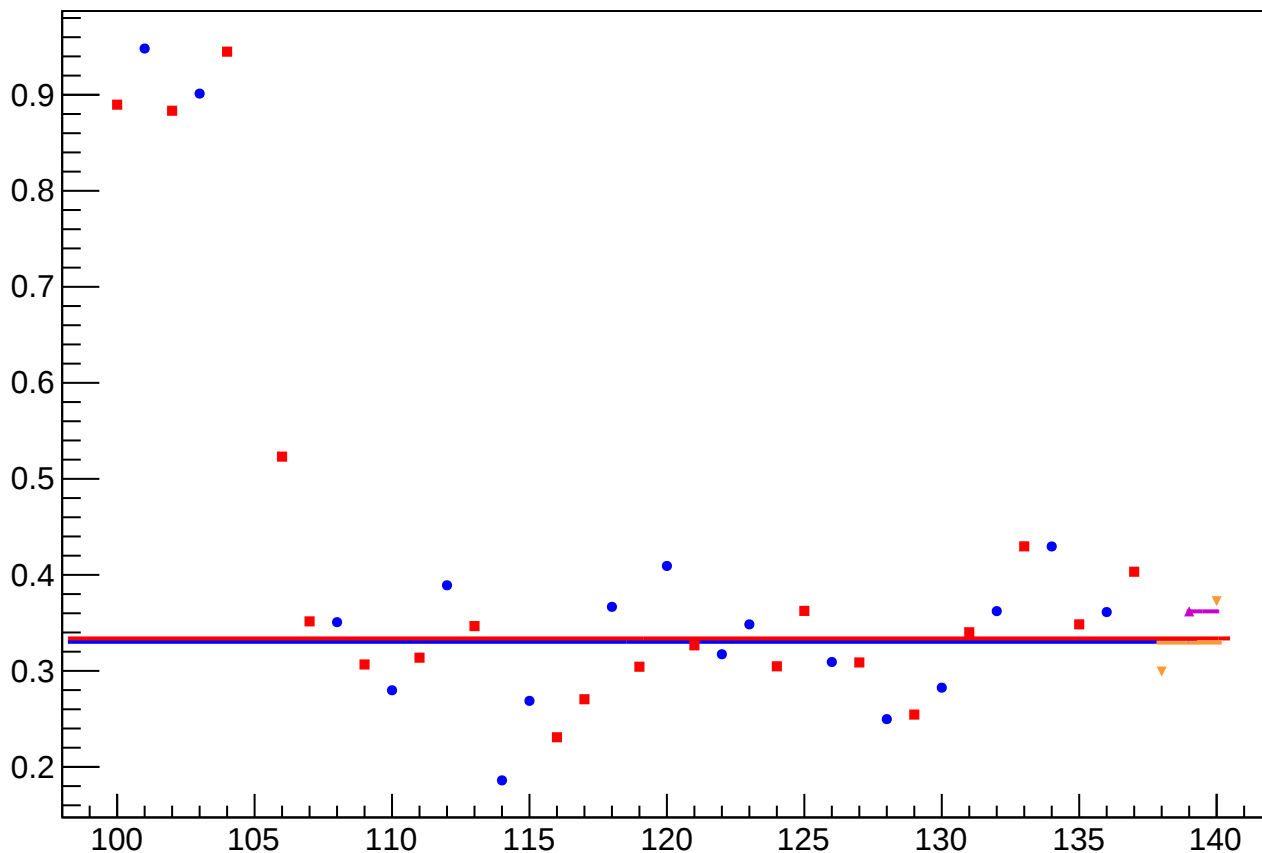
Right Out: 144.809 ± 0.000 χ^2/NDF : 4138041955.6/19

Left In: 149.077 ± 0.000 χ^2/NDF : 0.0/0

145.072 ± 0.000 χ^2/NDF : 3697794934.5/18

145.196 ± 0.000 χ^2/NDF : 4225095976.6/20

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.329+/-0.000 χ^2/NDF : 34488.4/1

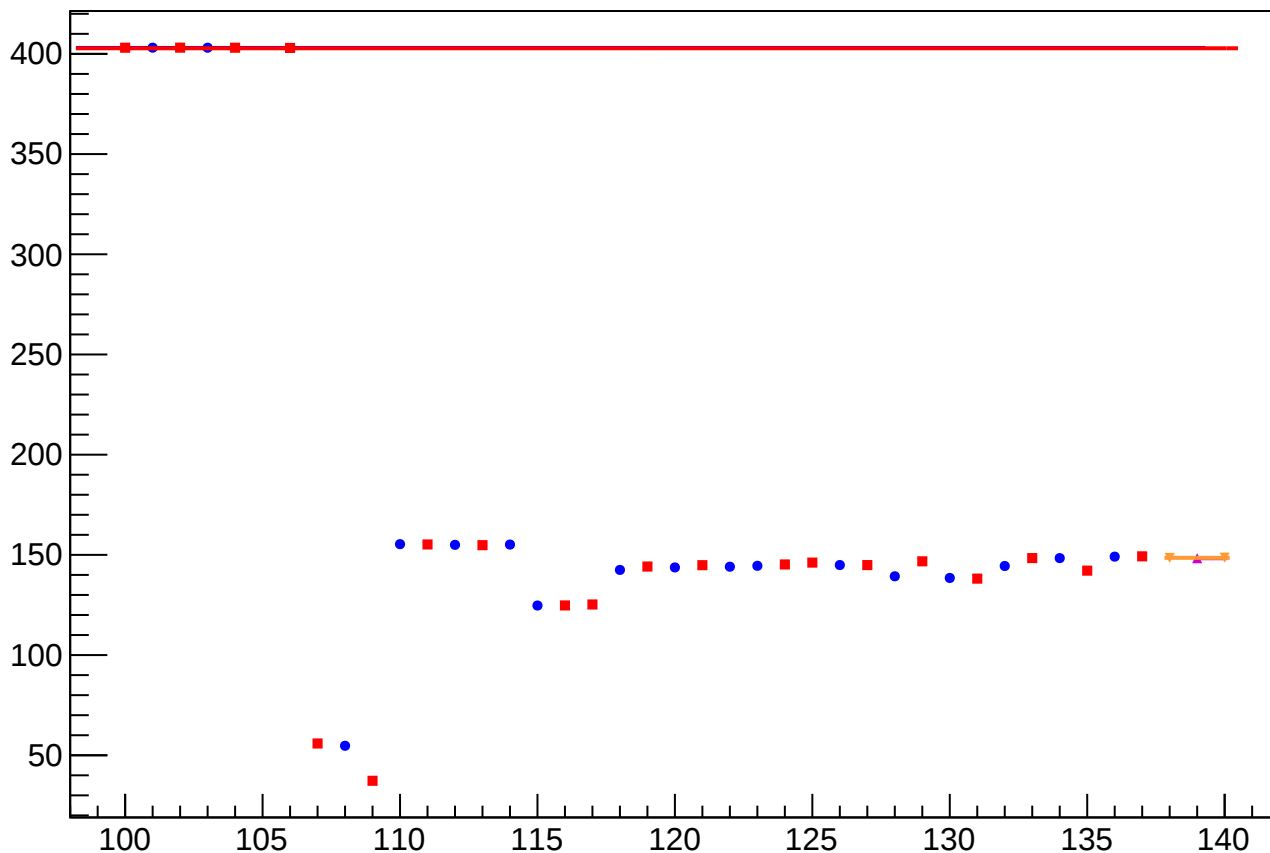
Right Out: 0.334+/-0.000 χ^2/NDF : 1177889.1/19

Left In: 0.362+/-0.000 χ^2/NDF : 0.0/0

0.330+/-0.000 χ^2/NDF : 1318459.5/18

0.336+/-0.000 χ^2/NDF : 1185484.0/20

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 148.528+/-0.001 χ^2/NDF :15023.6/1

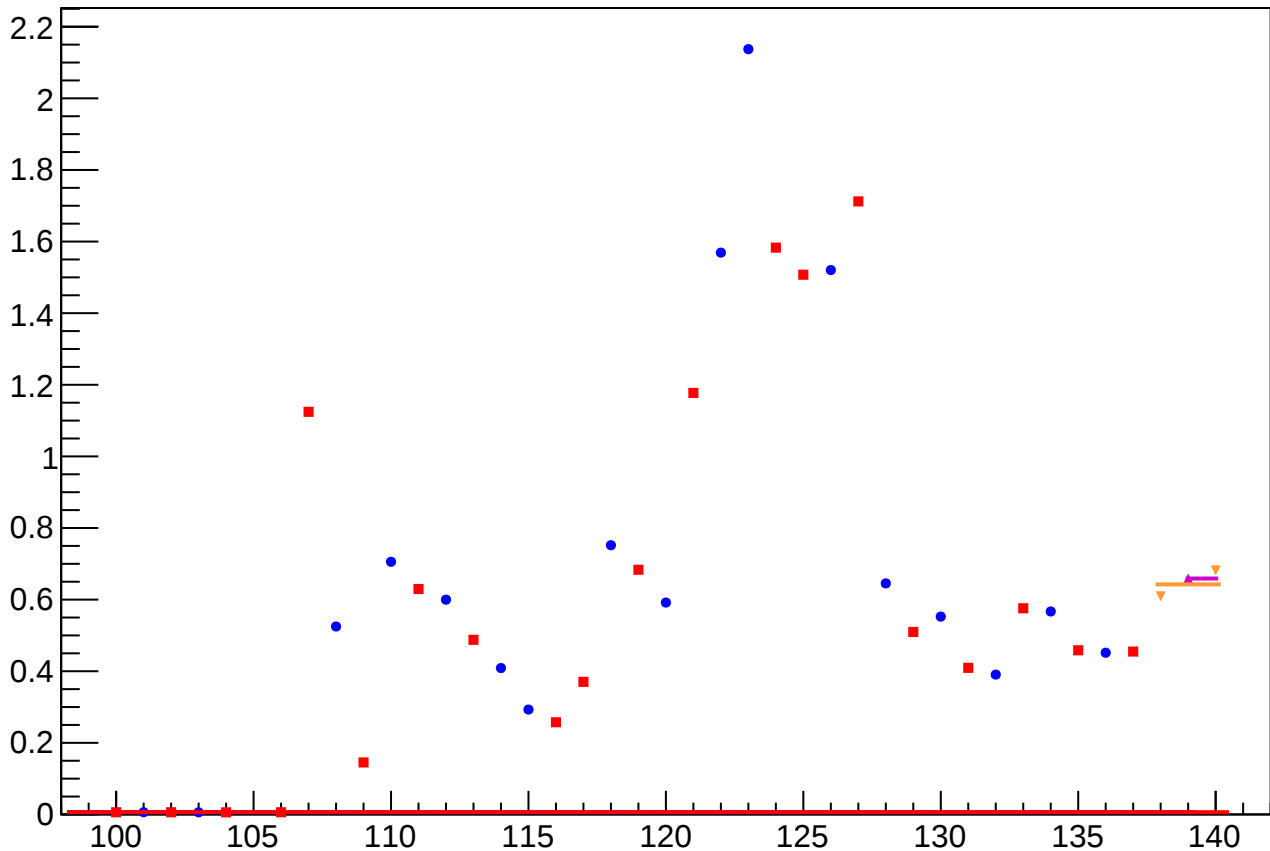
Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

Left In: 148.328+/-0.001 χ^2/NDF :0.0/0

402.933+/-0.000 χ^2/NDF : 1292489560692.4/18

402.786+/-0.000 χ^2/NDF : 3213868861821.8/20

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.643+/-0.000 χ^2/NDF : 7988.0/1

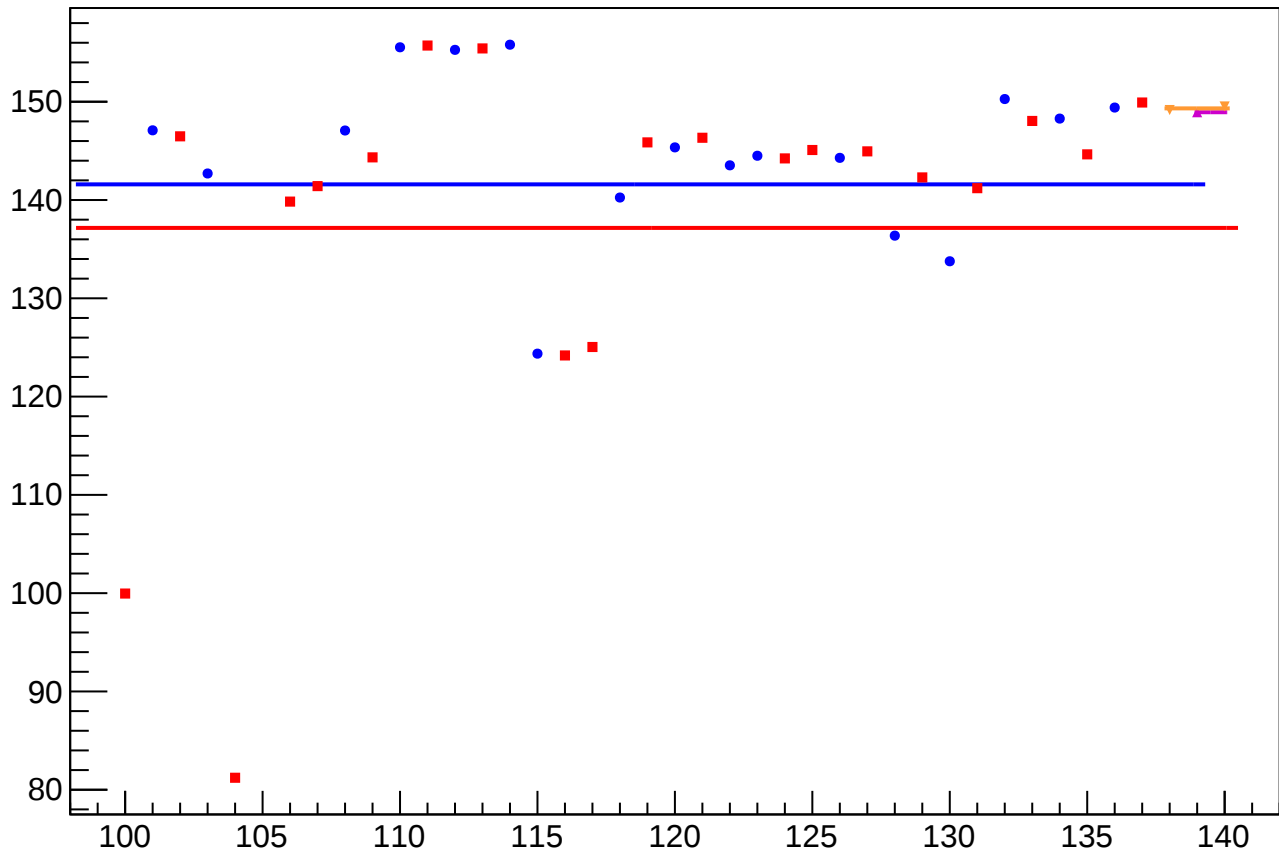
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.659+/-0.001 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 11565034.5/18

0.006+/-0.000 χ^2/NDF : 10481063.4/20

yield_cav4cQ_mean vs Slug



Right In: 141.593 ± 0.000 $\chi^2/\text{NDF}: 980101868.2/16$

Left Out: 149.323 ± 0.001 $\chi^2/\text{NDF}: 86892.9/1$

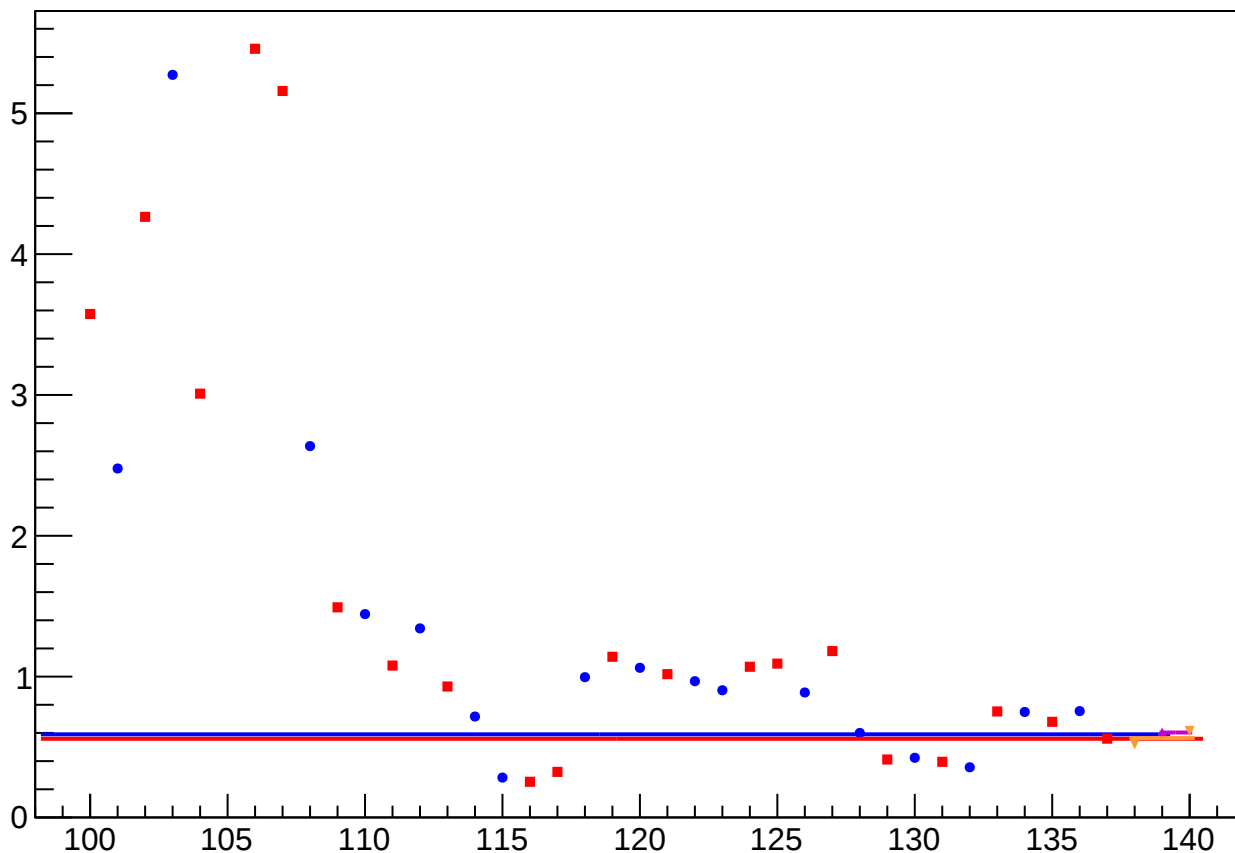
Right Out: 137.162 ± 0.000 $\chi^2/\text{NDF}: 1366089515.6/19$

Left In: 148.931 ± 0.001 $\chi^2/\text{NDF}: 0.0/0$

143.193 ± 0.000 $\chi^2/\text{NDF}: 1105064415.7/18$

138.306 ± 0.000 $\chi^2/\text{NDF}: 1513484146.0/20$

yield_cav4cQ_rms vs Slug



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.563+/-0.000 χ^2/NDF :11610.1/1

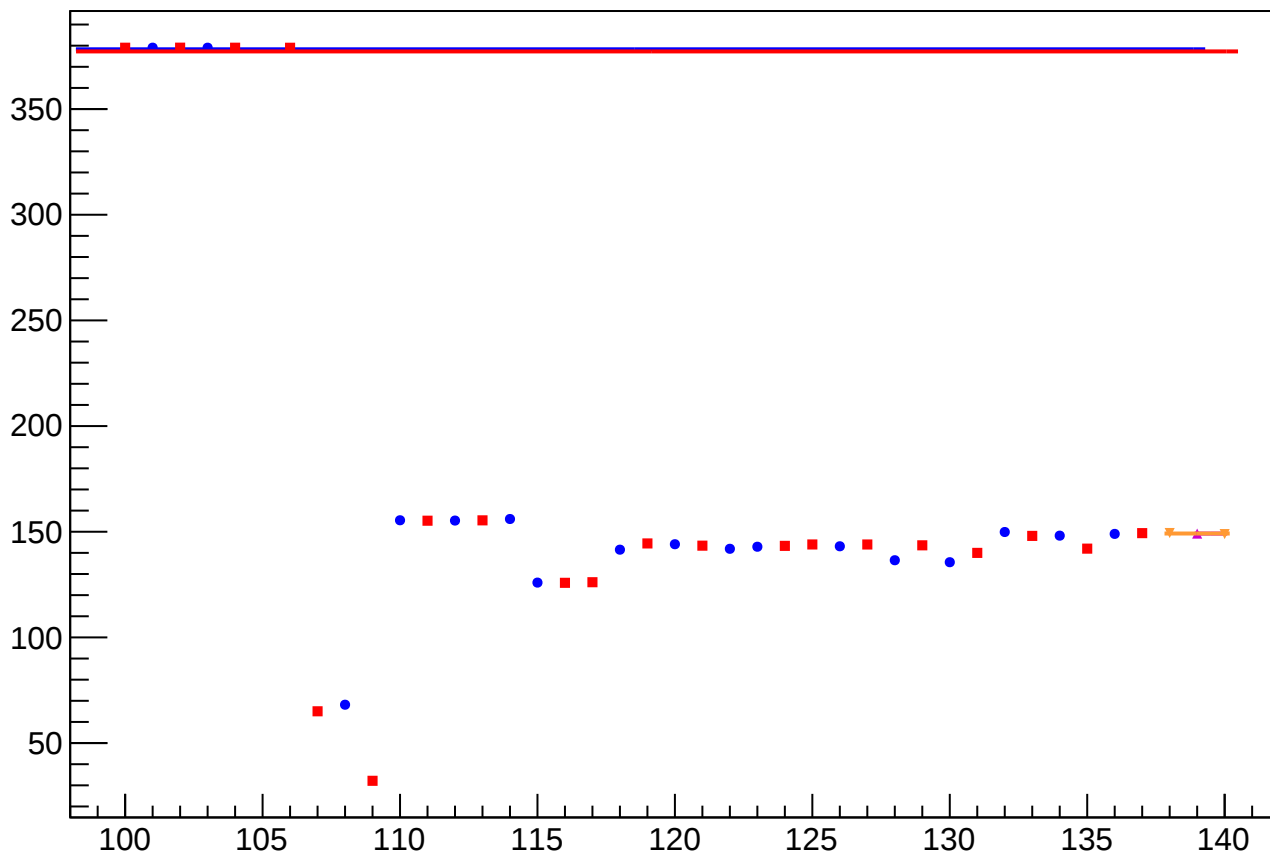
Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

Left In: 0.603+/-0.001 χ^2/NDF :0.0/0

0.585+/-0.000 χ^2/NDF : 3506663.5/18

0.563+/-0.000 χ^2/NDF : 4725471.2/20

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 149.163+/-0.000 χ^2/NDF : 726396.0/1

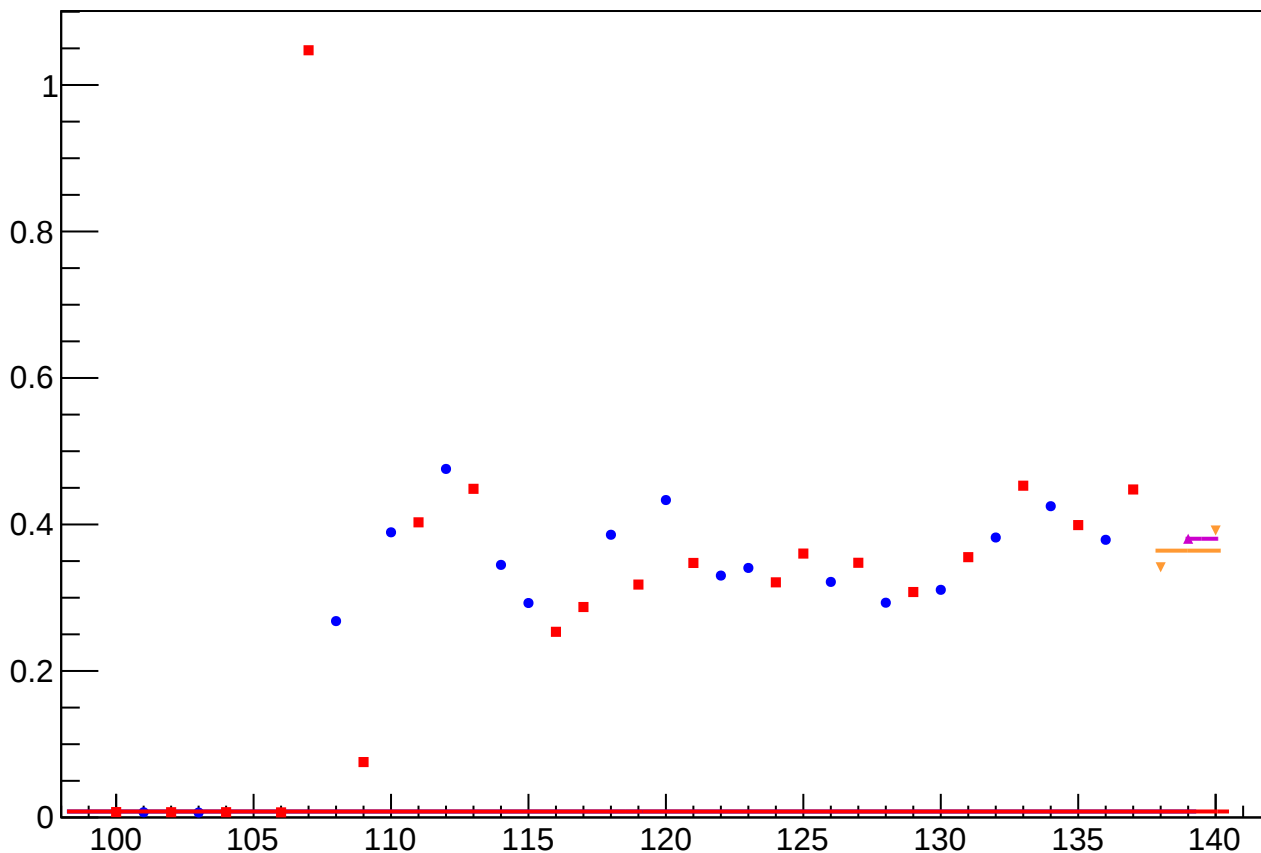
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 149.126+/-0.000 χ^2/NDF : 0.0/0

378.089+/-0.000 χ^2/NDF : 3100180464865.0/18

377.207+/-0.000 χ^2/NDF : 8565109362296.5/20

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.364 $\pm$ 0.000 χ^2 /NDF:14100.8/1

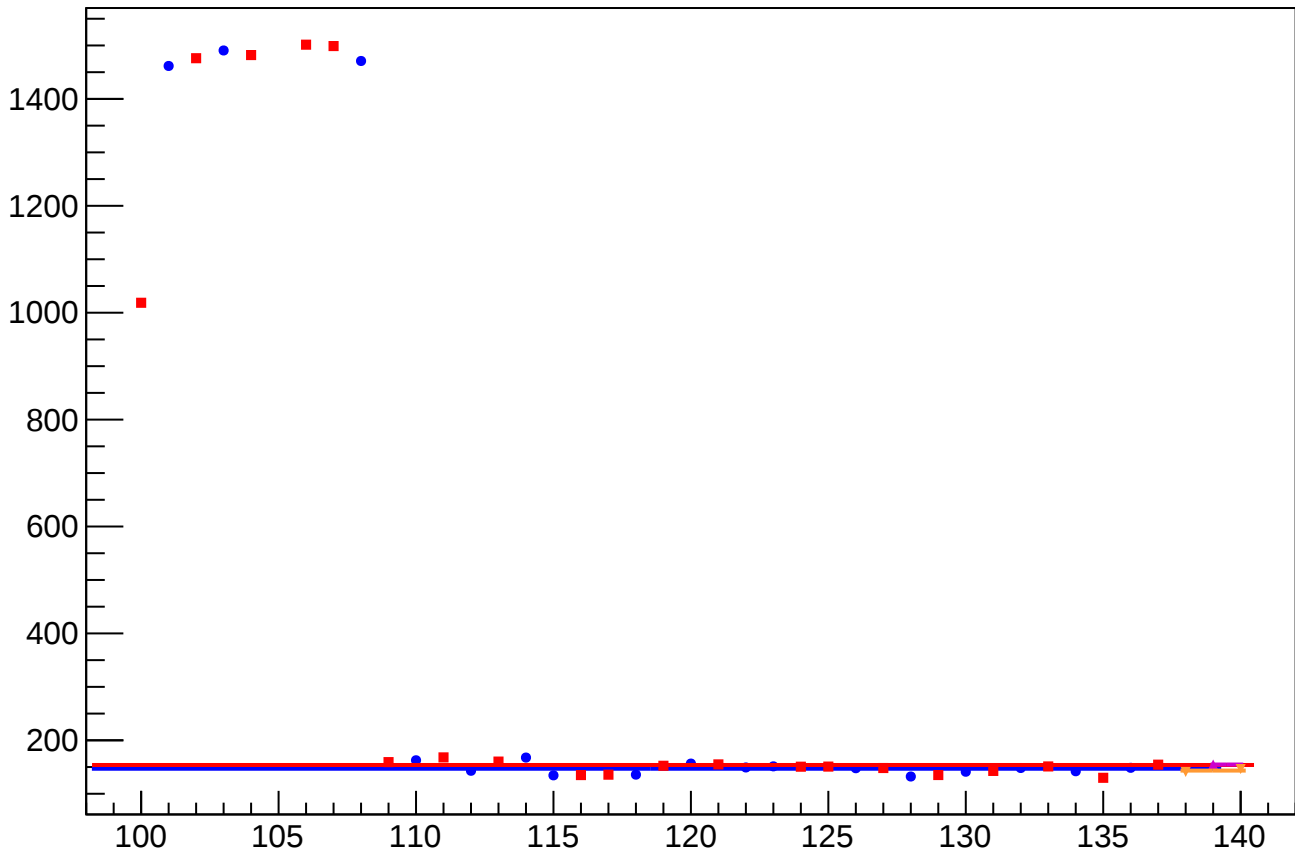
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9589375.6/19

Left In: 0.381 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.008 $\pm$ 0.000 χ^2 /NDF: 12681078.9/18

0.008 $\pm$ 0.000 χ^2 /NDF: 10931104.4/20

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 143.361+/-0.001 χ^2/NDF : 10654483.2/1

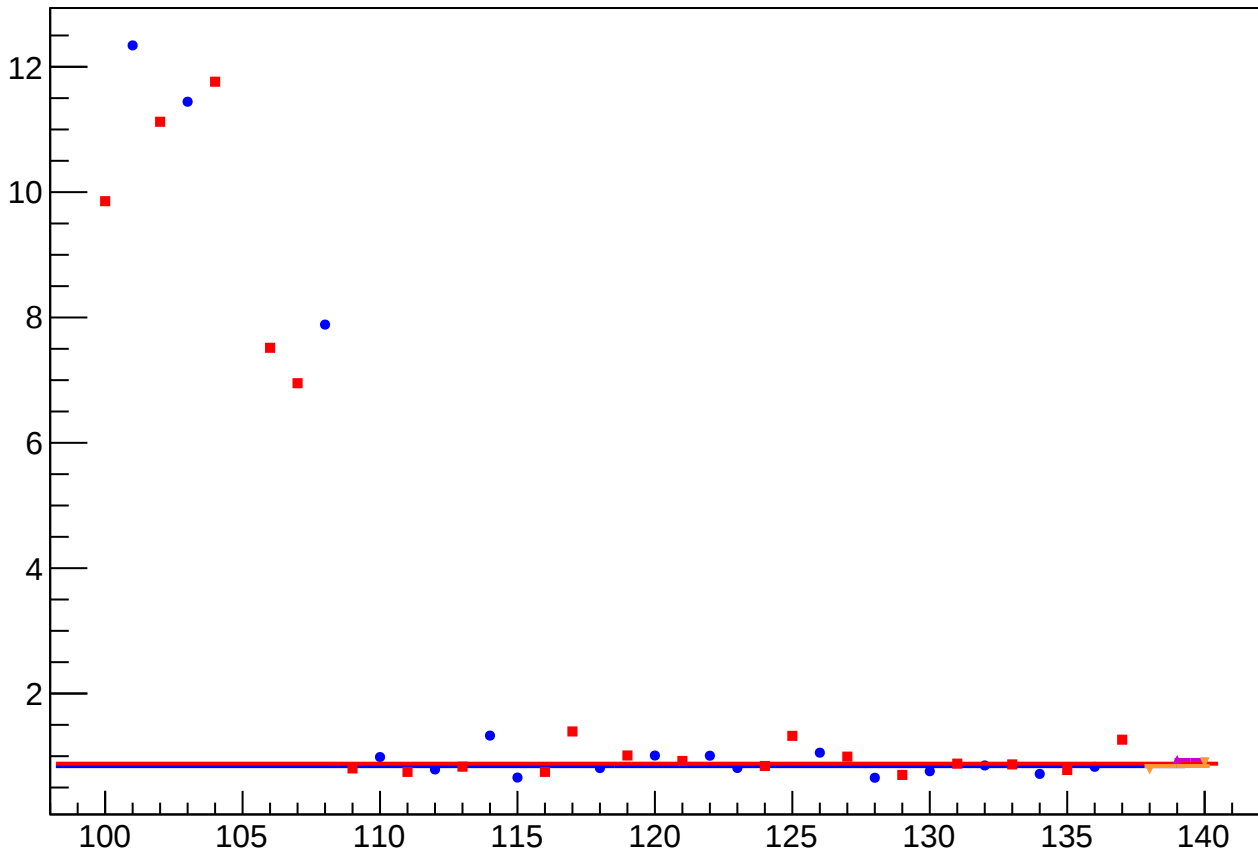
146.083+/-0.000 χ^2/NDF : 24384992440.6/18

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

153.915+/-0.000 χ^2/NDF : 33744611647.0/20

Left In: 154.682+/-0.001 χ^2/NDF : 0.0/0

yield_bcm0l02_rms vs Slug



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.843+/-0.001 χ^2/NDF : 9345.5/1

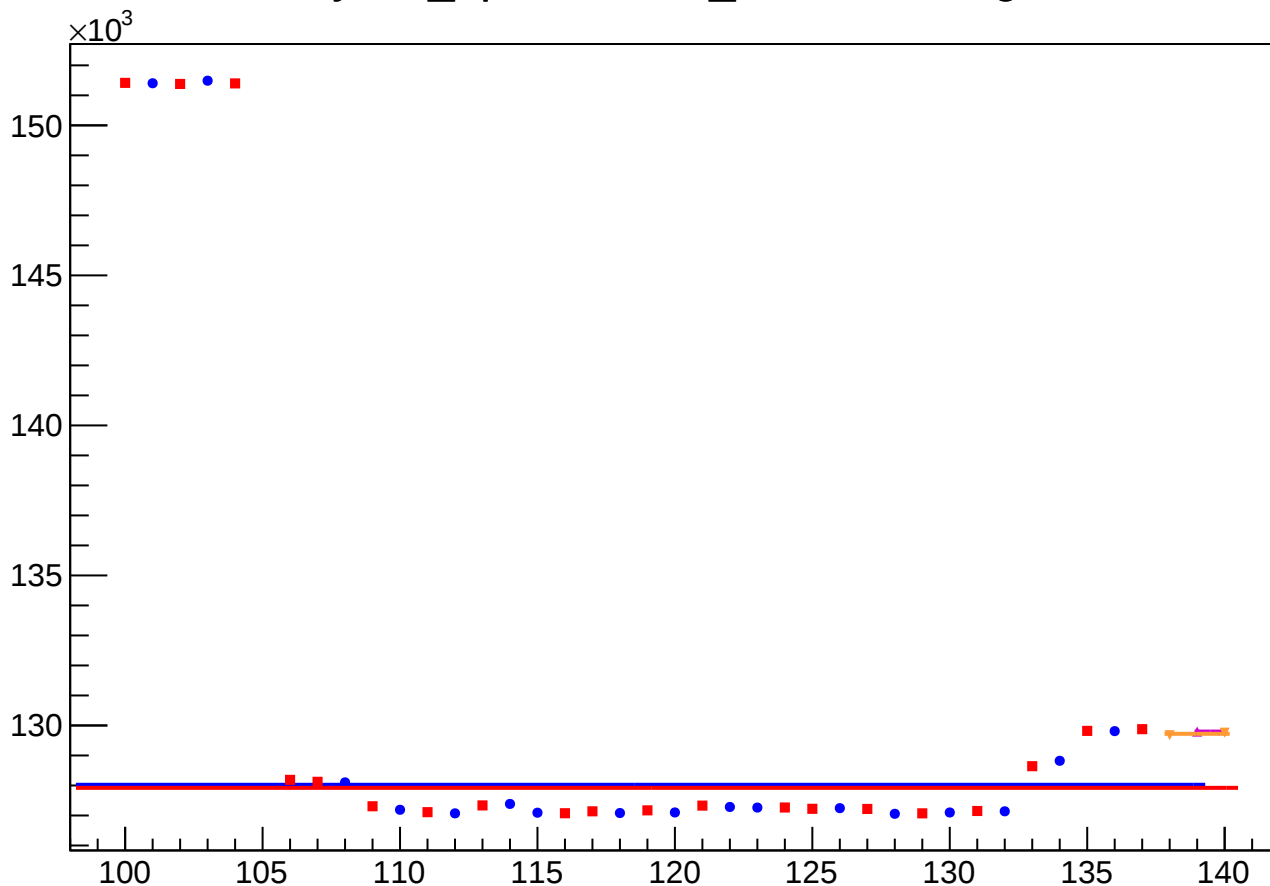
Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

Left In: 0.940+/-0.001 χ^2/NDF : 0.0/0

0.842+/-0.000 χ^2/NDF : 2671747.9/18

0.886+/-0.000 χ^2/NDF : 2829038.6/20

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129722.128 $\pm$ 0.138 χ^2 /NDF: 90729.1/1

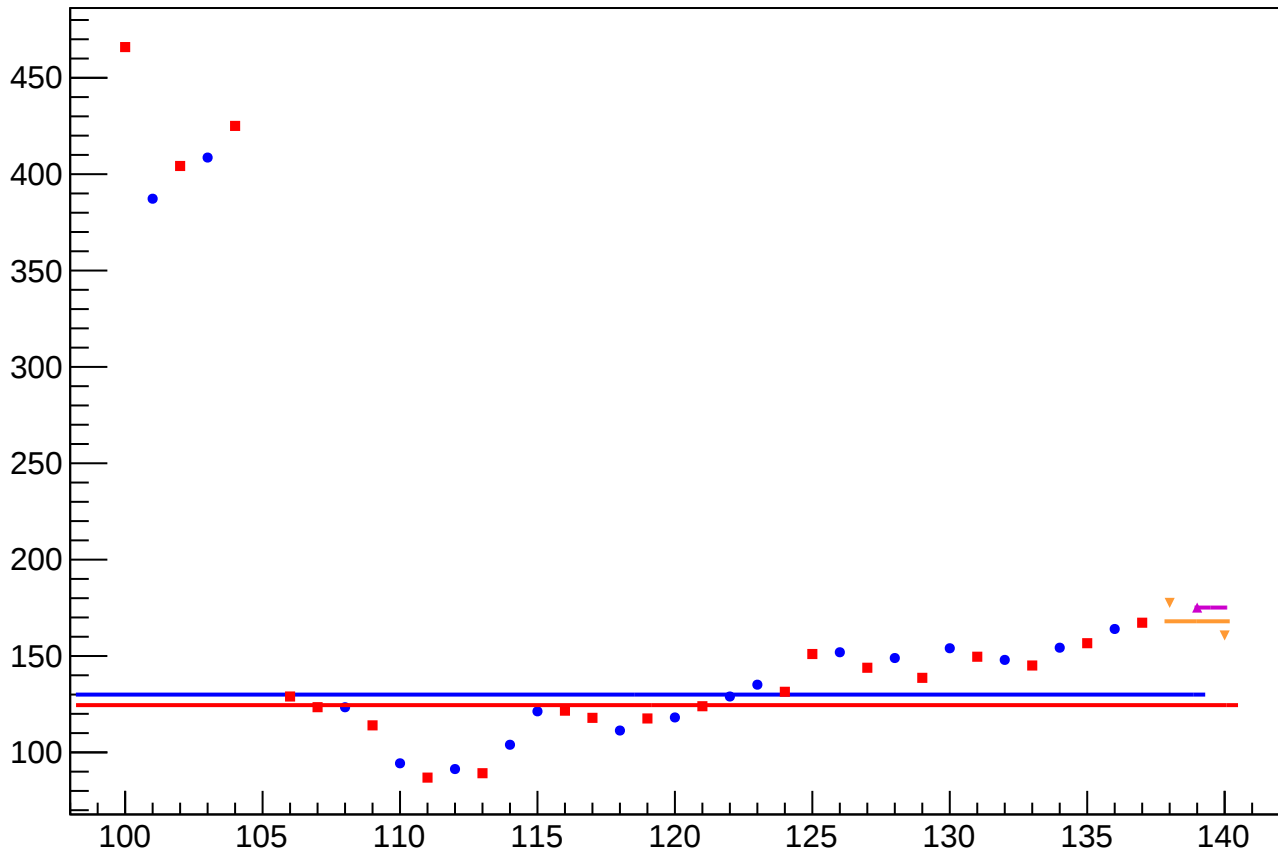
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129796.969 $\pm$ 0.207 χ^2 /NDF: 0.0/0

128252.743 $\pm$ 0.051 χ^2 /NDF: 4447528710.0/18

128025.742 $\pm$ 0.049 χ^2 /NDF: 3846778292.2/20

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 168.009 $\pm$ 0.098 χ^2 /NDF: 7364.9/1

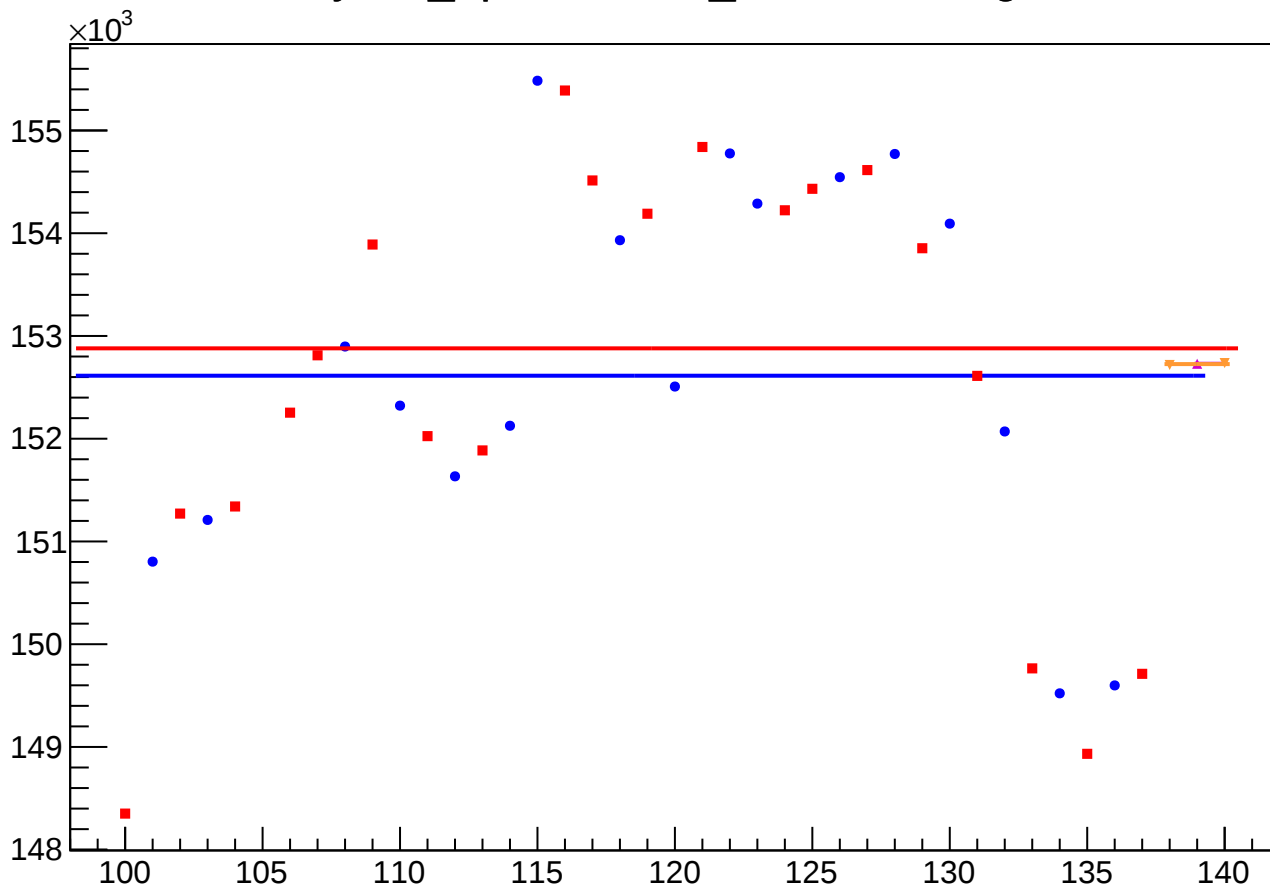
135.111 $\pm$ 0.036 χ^2 /NDF: 1624111.2/18

Right Out: 124.514 $\pm$ 0.035 χ^2 /NDF: 1531546.7/19

127.333 $\pm$ 0.034 χ^2 /NDF: 1644924.9/20

Left In: 175.141 $\pm$ 0.146 χ^2 /NDF: 0.0/0

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152726.269 $\pm$ 0.145 χ^2 /NDF: 4057.9/1

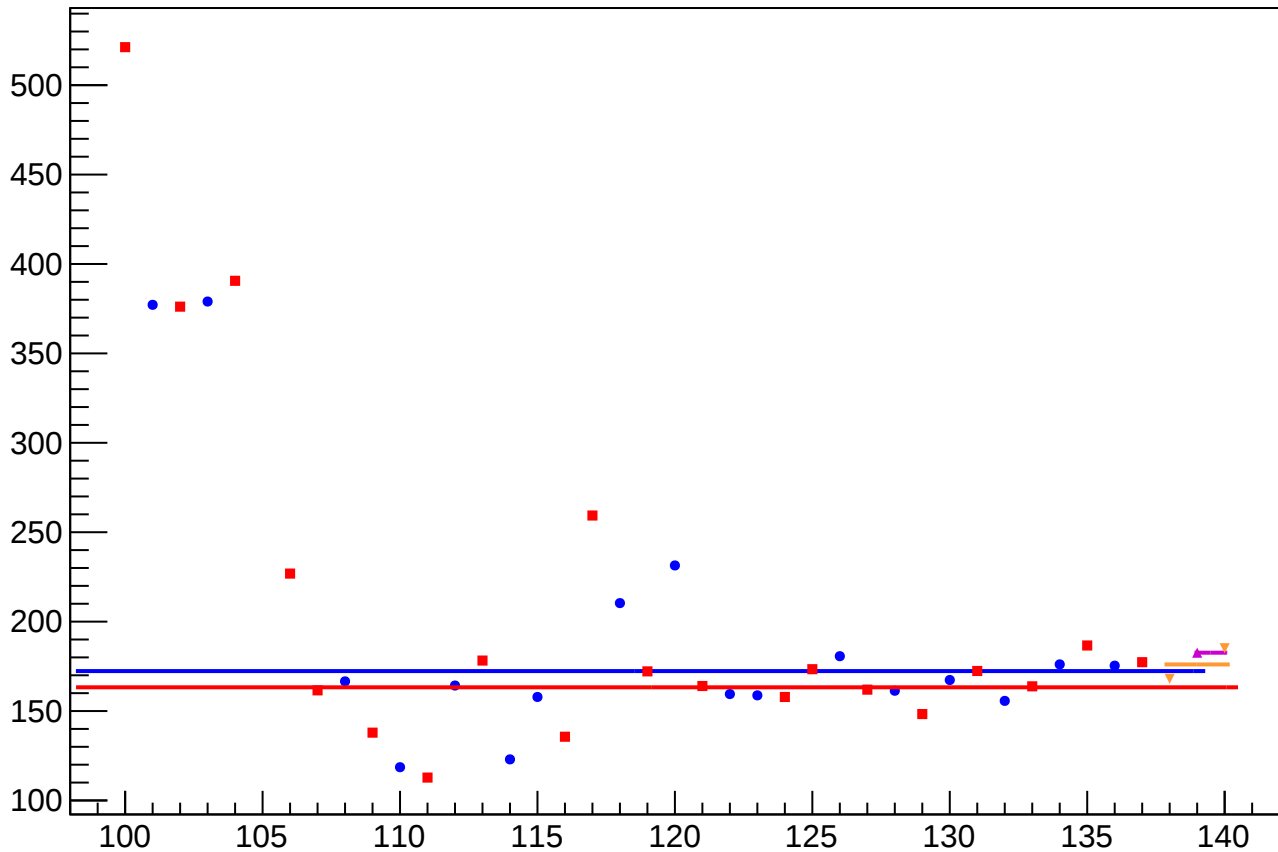
Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

Left In: 152729.577 $\pm$ 0.216 χ^2 /NDF: 0.0/0

152635.529 $\pm$ 0.065 χ^2 /NDF: 623845630.5/18

152866.571 $\pm$ 0.063 χ^2 /NDF: 718348978.3/20

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 176.055 ± 0.103 χ^2/NDF : 6875.2/1

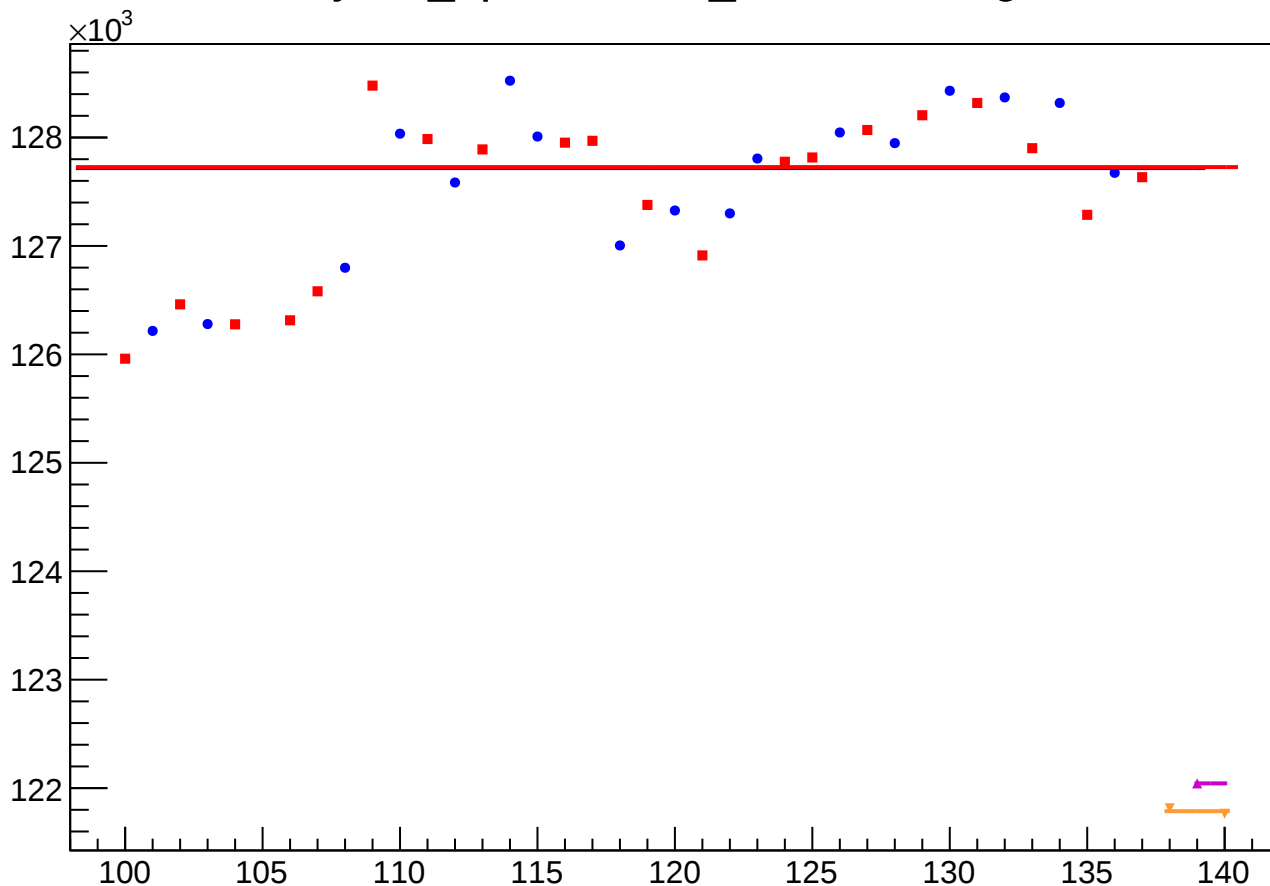
Right Out: 163.273 ± 0.047 χ^2/NDF : 1043440.1/19

Left In: 182.632 ± 0.152 χ^2/NDF : 0.0/0

173.085 ± 0.046 χ^2/NDF : 929826.7/18

164.937 ± 0.045 χ^2/NDF : 1058182.6/20

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 121787.403 $\pm$ 0.124 χ^2 /NDF: 41894.9/1

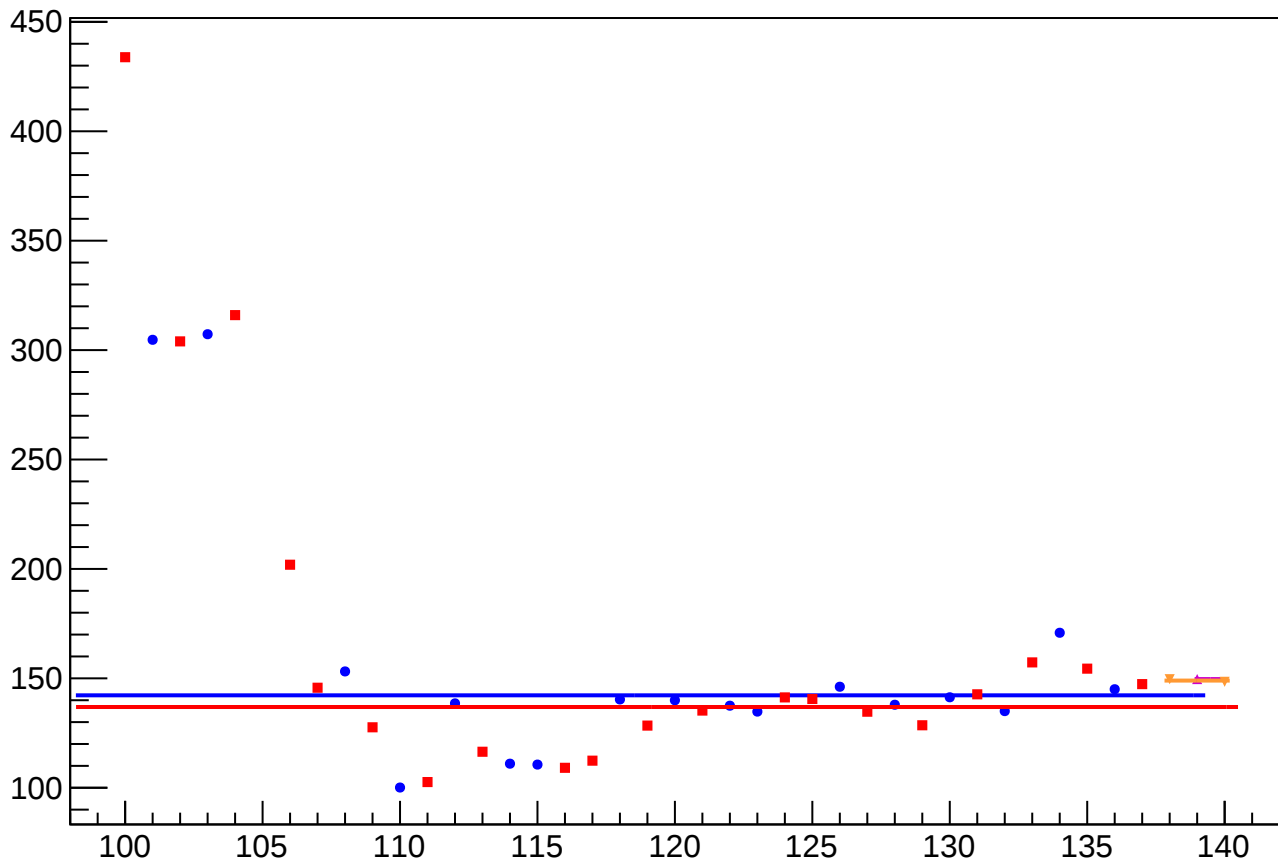
Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

Left In: 122043.649 $\pm$ 0.177 χ^2 /NDF: 0.0/0

126640.614 $\pm$ 0.053 χ^2 /NDF: 1975876293.5/18

127239.263 $\pm$ 0.052 χ^2 /NDF: 1054602054.2/20

yield_bpm0l01WS_rms vs Slug



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 148.978+/-0.087 χ^2/NDF : 46.1/1

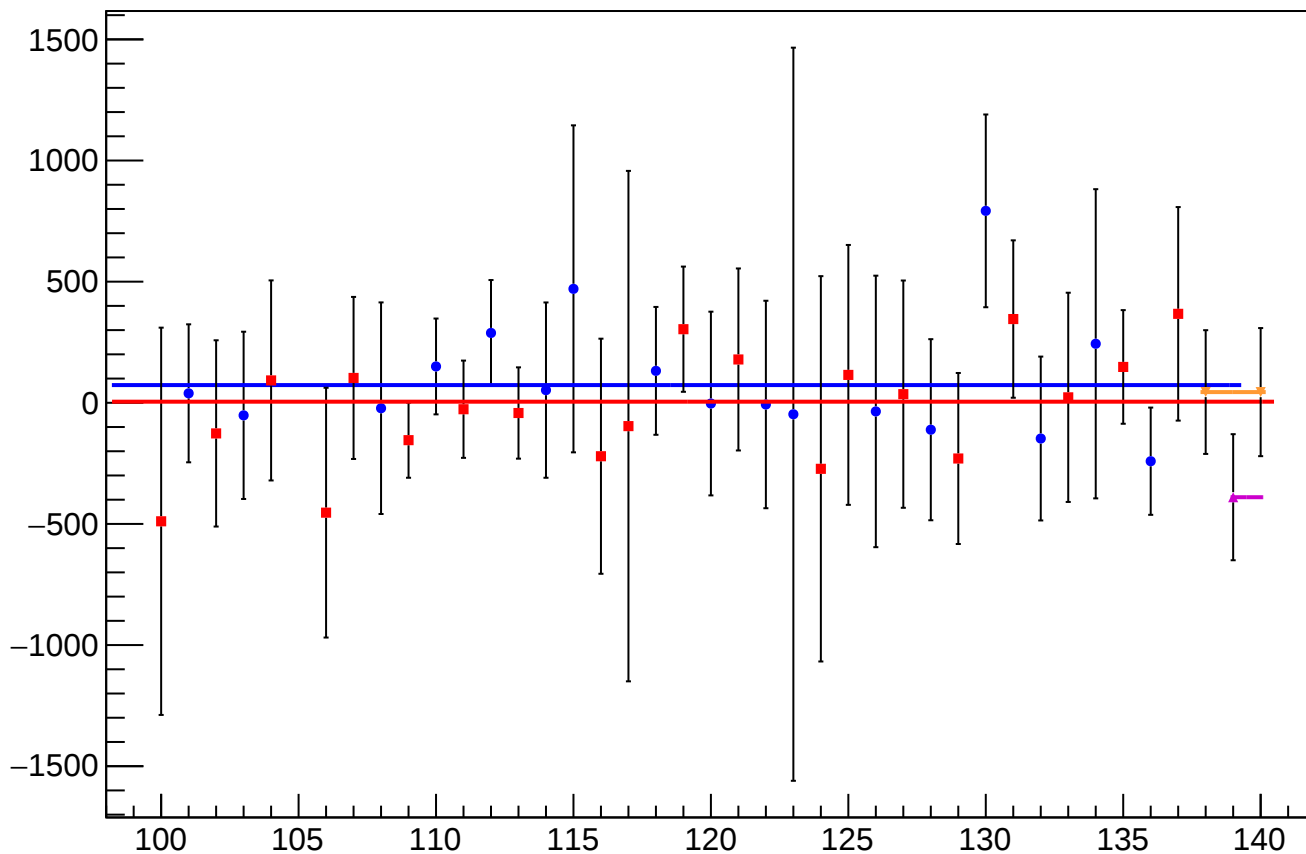
Right Out: 136.904+/-0.038 χ^2/NDF : 961858.5/19

Left In: 149.671+/-0.125 χ^2/NDF : 0.0/0

143.464+/-0.037 χ^2/NDF : 841316.2/18

137.999+/-0.037 χ^2/NDF : 971364.4/20

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 44.200+/-183.677 χ^2/NDF : 0.0/1

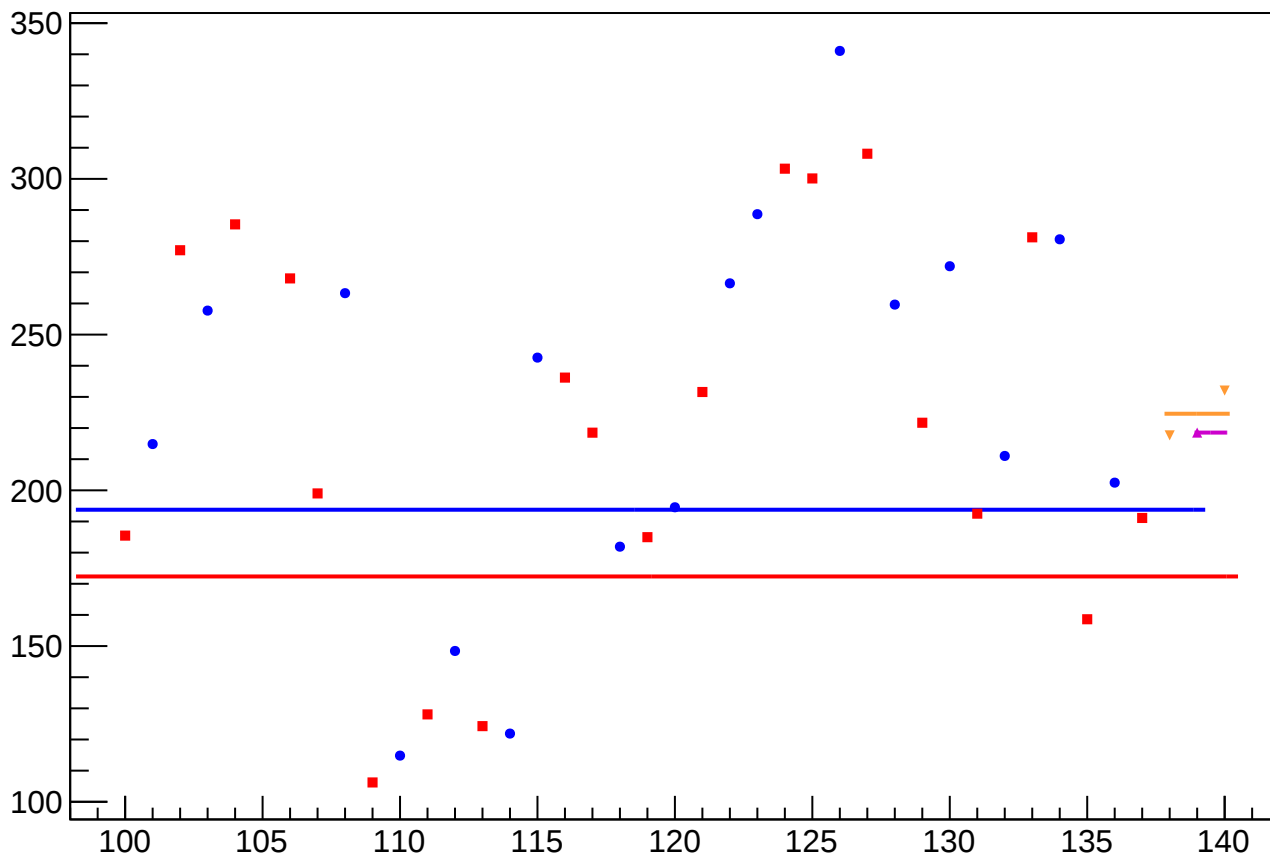
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -389.747+/-260.199 χ^2/NDF : 0.0/0

68.538+/-73.039 χ^2/NDF : 7.9/18

-21.999+/-67.546 χ^2/NDF : 9.2/20

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 224.592+/-0.130 χ^2/NDF :3061.9/1

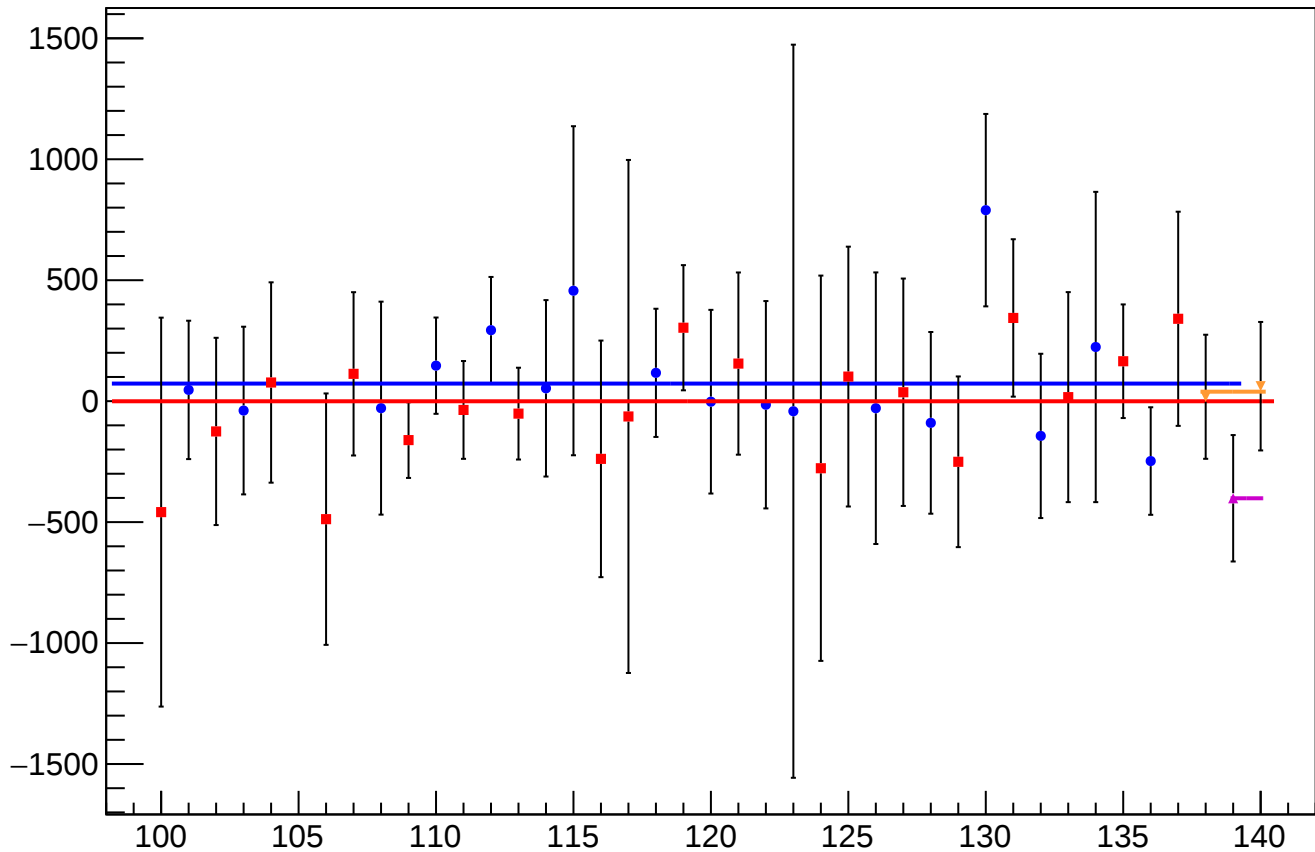
Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

Left In: 218.542+/-0.184 χ^2/NDF :0.0/0

198.646+/-0.052 χ^2/NDF : 1067548.3/18

175.459+/-0.048 χ^2/NDF : 1642685.4/20

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675 $\pm$ 79.992 χ^2/NDF : 7.8/16

Left Out: 39.253 $\pm$ 184.490 χ^2/NDF : 0.0/1

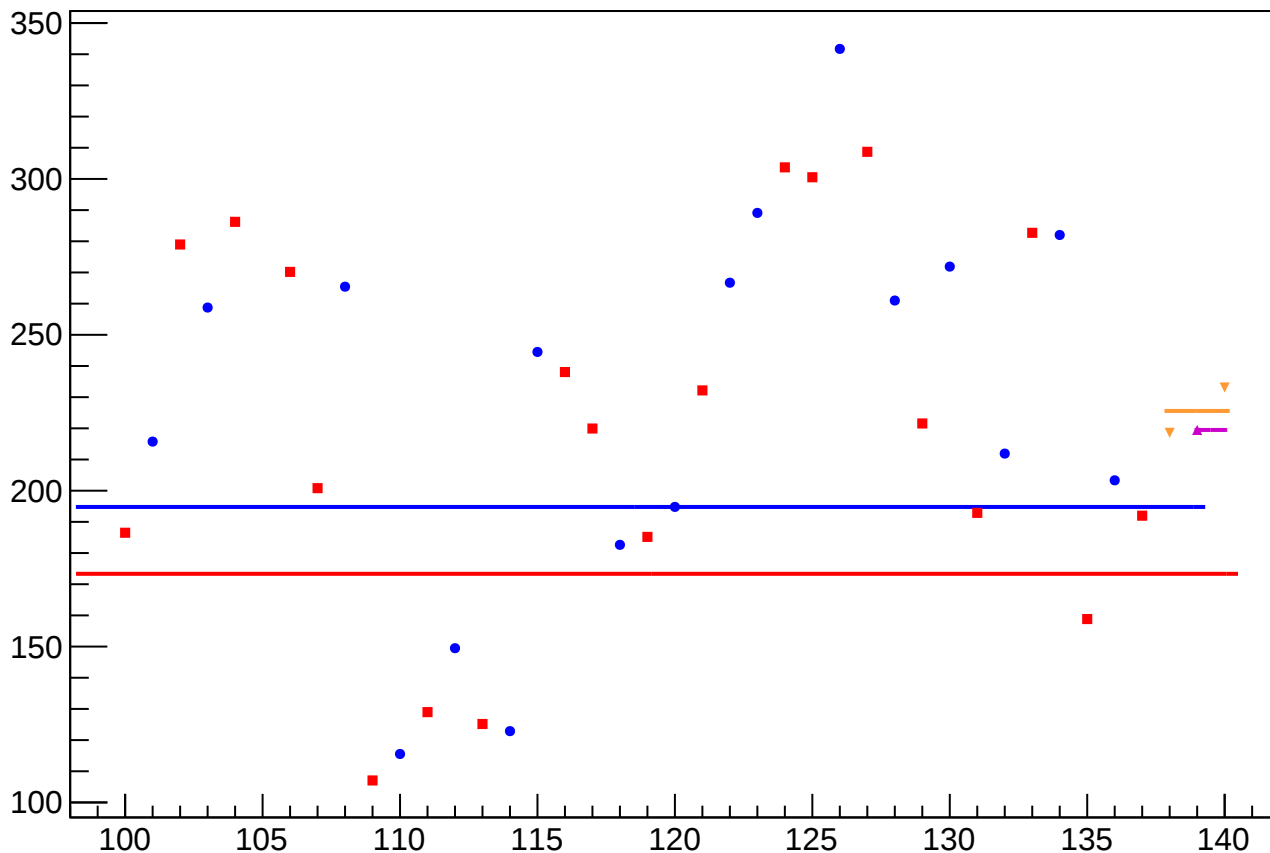
Right Out: -0.459 $\pm$ 70.312 χ^2/NDF : 7.3/19

Left In: -401.473 $\pm$ 261.327 χ^2/NDF : 0.0/0

67.386 $\pm$ 73.390 χ^2/NDF : 7.8/18

-27.529 $\pm$ 67.897 χ^2/NDF : 9.5/20

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 225.581 $\pm$ 0.130 χ^2 /NDF:3094.2/1

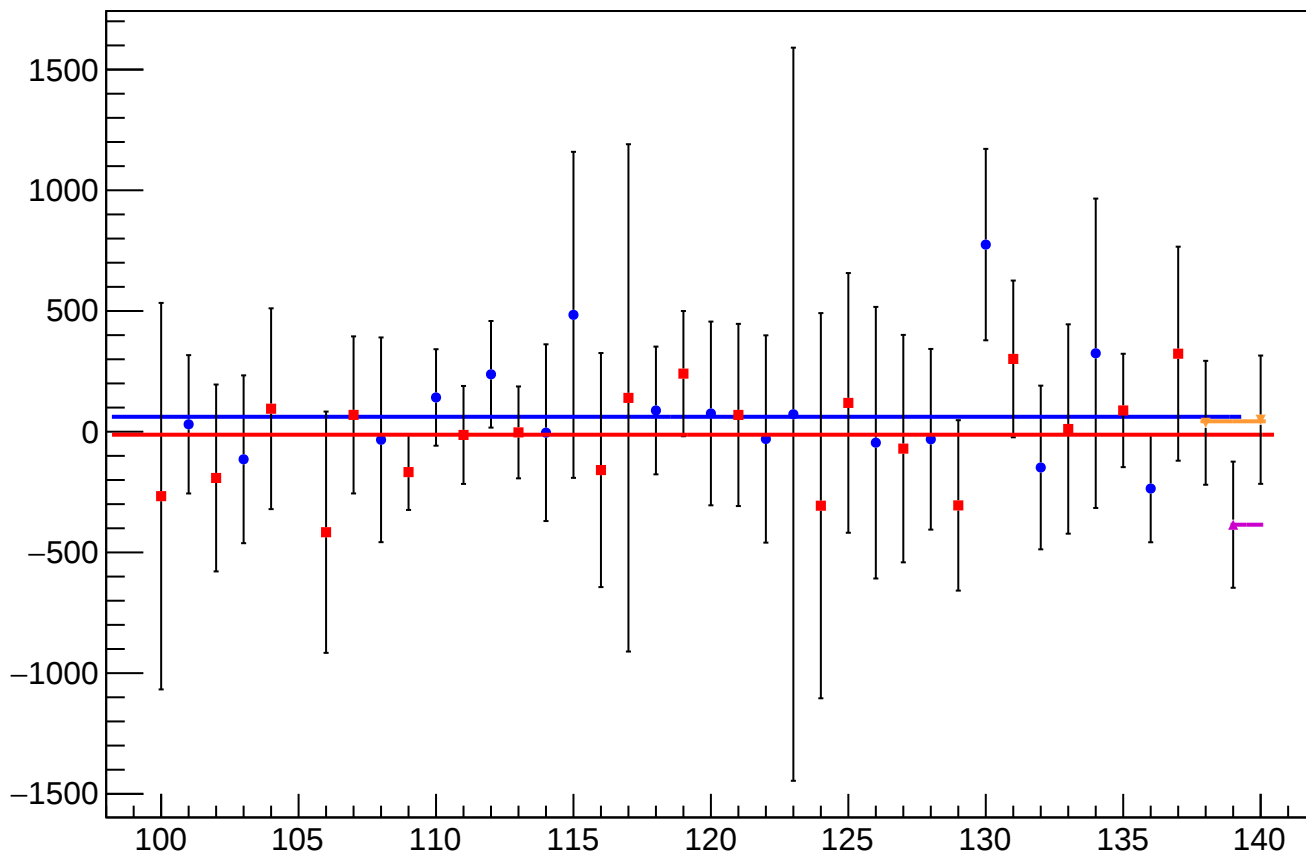
Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

Left In: 219.487 $\pm$ 0.185 χ^2 /NDF:0.0/0

199.656 $\pm$ 0.052 χ^2 /NDF: 1058303.5/18

176.452 $\pm$ 0.048 χ^2 /NDF: 1629599.4/20

asym_bcm_an_us_mean vs Slug



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 43.125+/-184.599 χ^2/NDF : 0.0/1

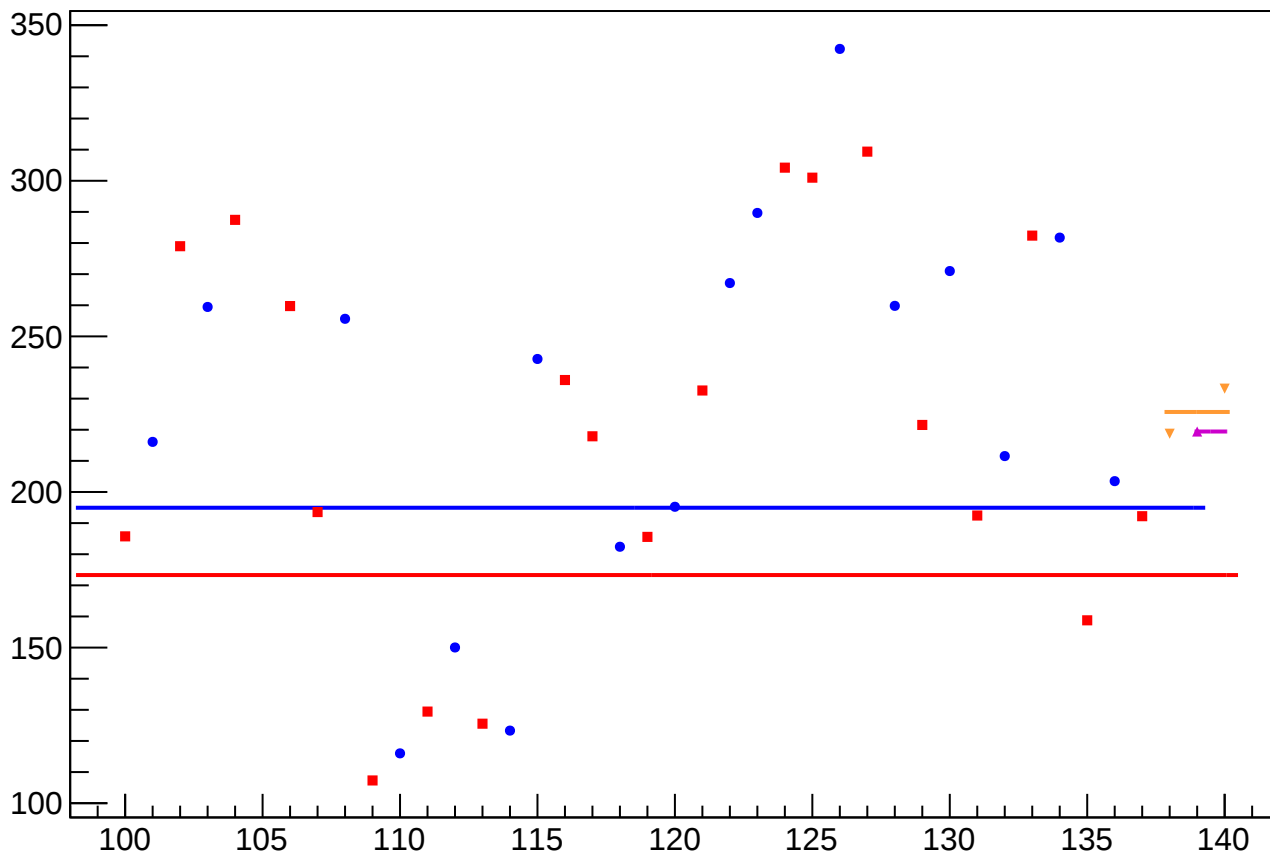
Right Out: -12.417+/-70.233 χ^2/NDF : 5.8/19

Left In: -385.167+/-261.260 χ^2/NDF : 0.0/0

58.860+/-73.393 χ^2/NDF : 7.3/18

-37.538+/-67.825 χ^2/NDF : 7.7/20

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 225.713+/-0.131 χ^2/NDF : 3073.3/1

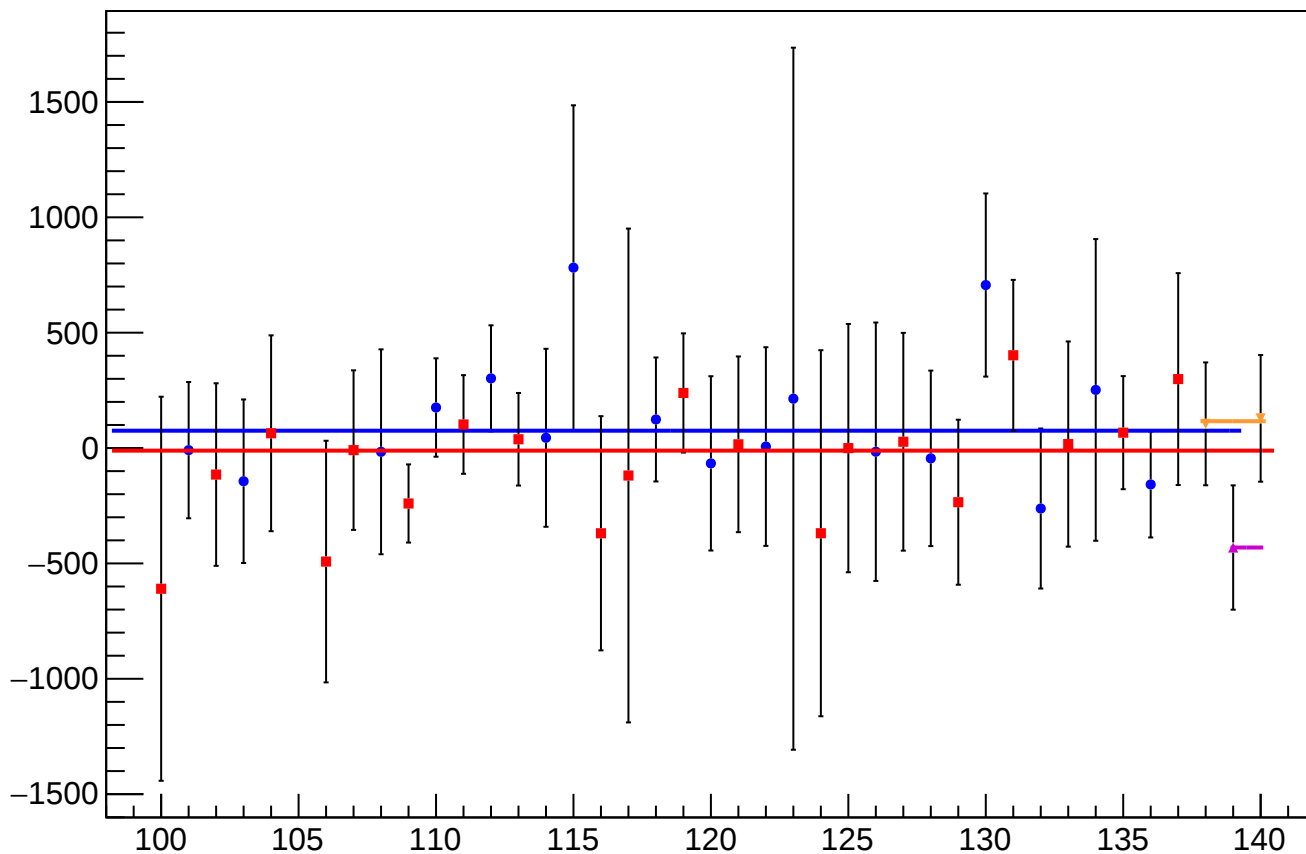
Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

Left In: 219.432+/-0.185 χ^2/NDF : 0.0/0

199.803+/-0.052 χ^2/NDF : 1036500.3/18

176.418+/-0.048 χ^2/NDF : 1606473.7/20

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 ± 82.504 χ^2/NDF : 7.6/16

Left Out: 116.402 ± 191.078 χ^2/NDF : 0.0/1

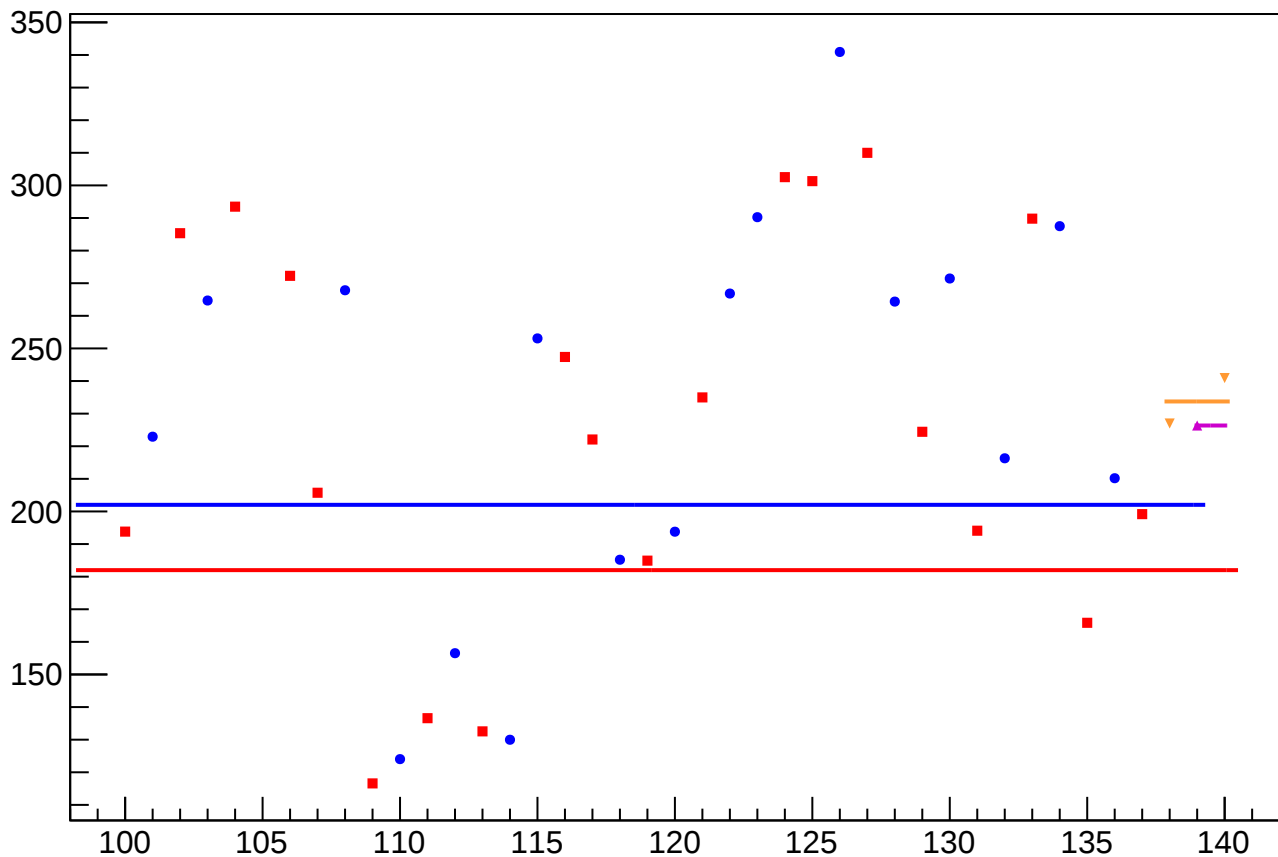
Right Out: -11.180 ± 73.166 χ^2/NDF : 7.8/19

Left In: -431.075 ± 269.403 χ^2/NDF : 0.0/0

81.680 ± 75.745 χ^2/NDF : 7.7/18

-40.023 ± 70.608 χ^2/NDF : 10.1/20

asym_bcm_dg_us_rms vs Slug



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 233.731+/-0.135 χ^2/NDF : 2657.9/1

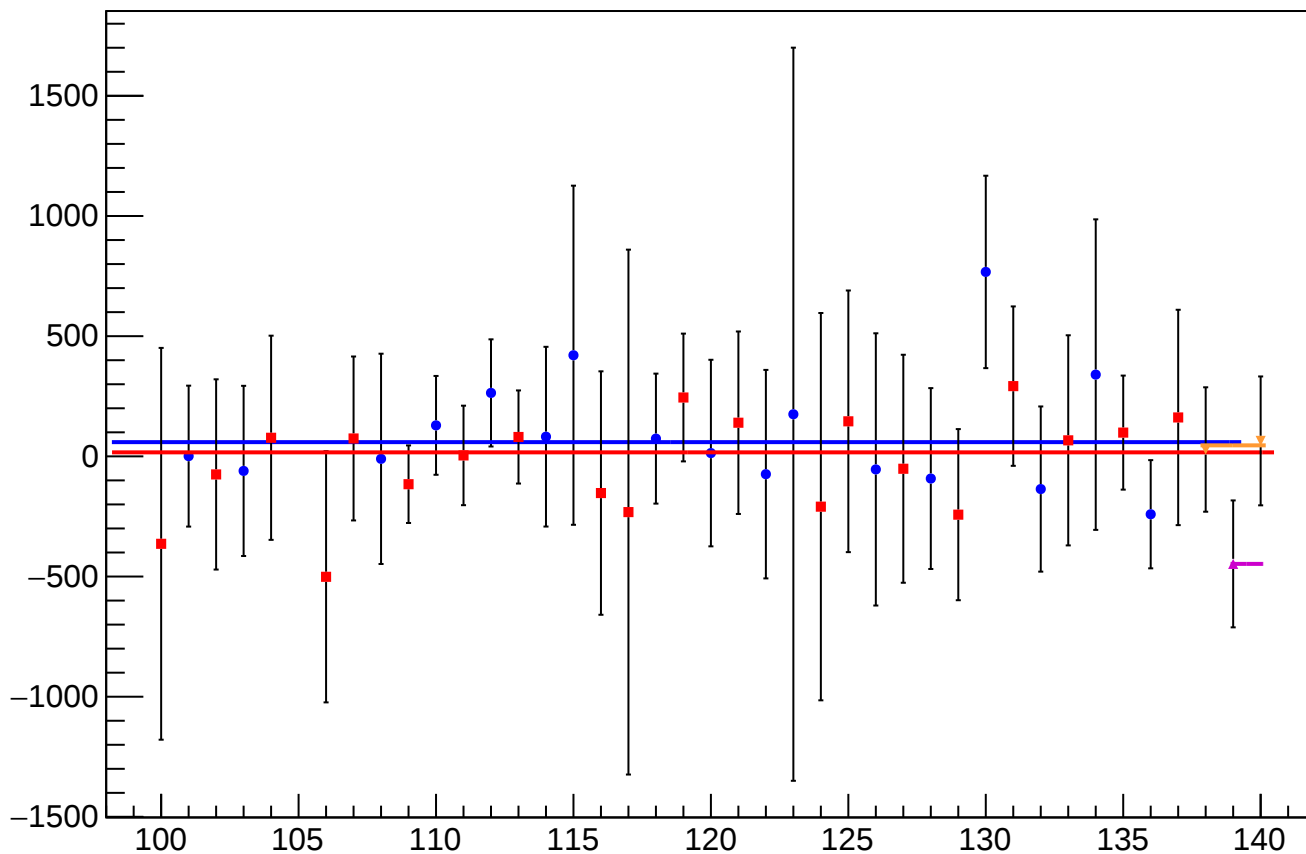
Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

Left In: 226.357+/-0.190 χ^2/NDF : 0.0/0

207.011+/-0.054 χ^2/NDF : 930667.9/18

185.046+/-0.050 χ^2/NDF : 1430848.9/20

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 45.792+/-186.216 χ^2/NDF : 0.0/1

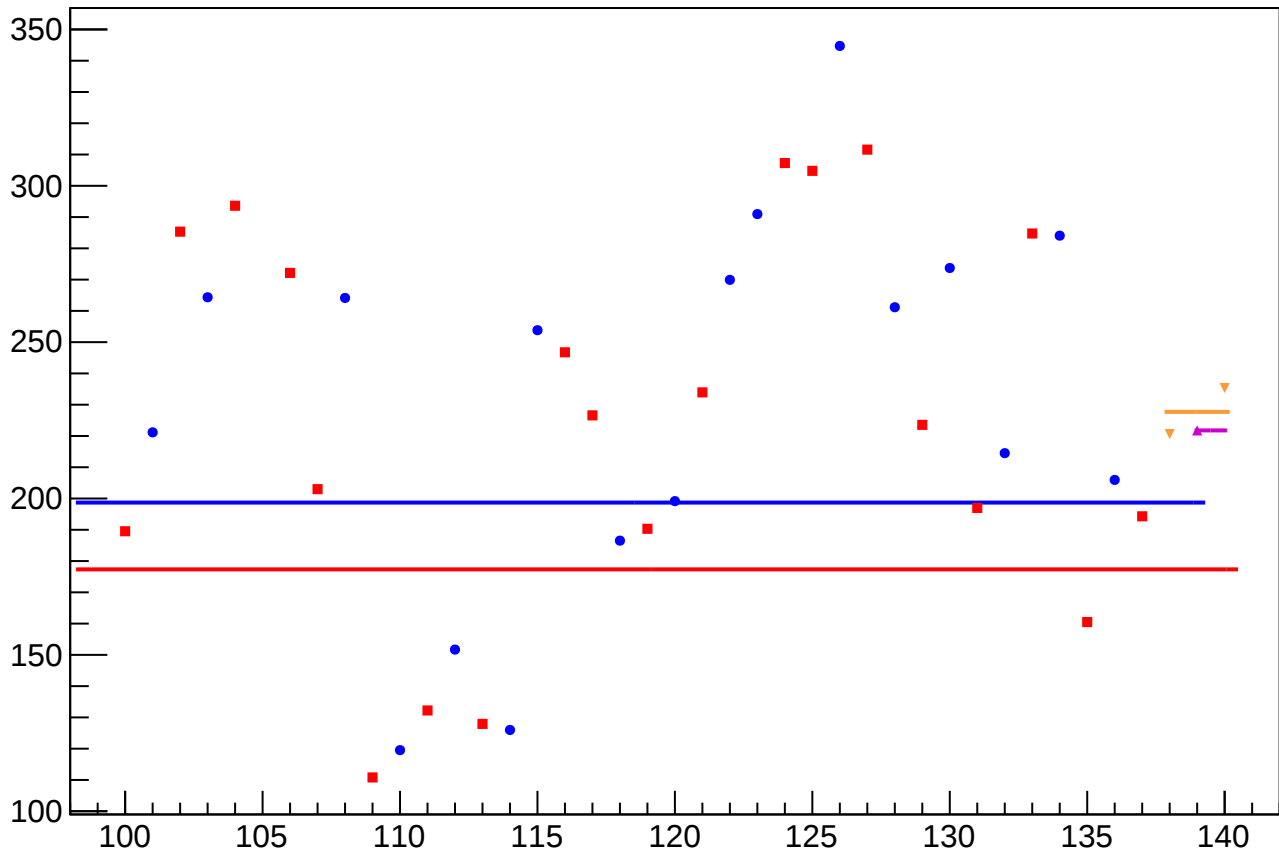
Right Out: 16.650+/-71.745 χ^2/NDF : 4.7/19

Left In: -447.396+/-264.034 χ^2/NDF : 0.0/0

57.027+/-74.599 χ^2/NDF : 7.2/18

-15.257+/-69.234 χ^2/NDF : 7.6/20

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 227.706 $\pm$ 0.132 χ^2 /NDF:3121.3/1

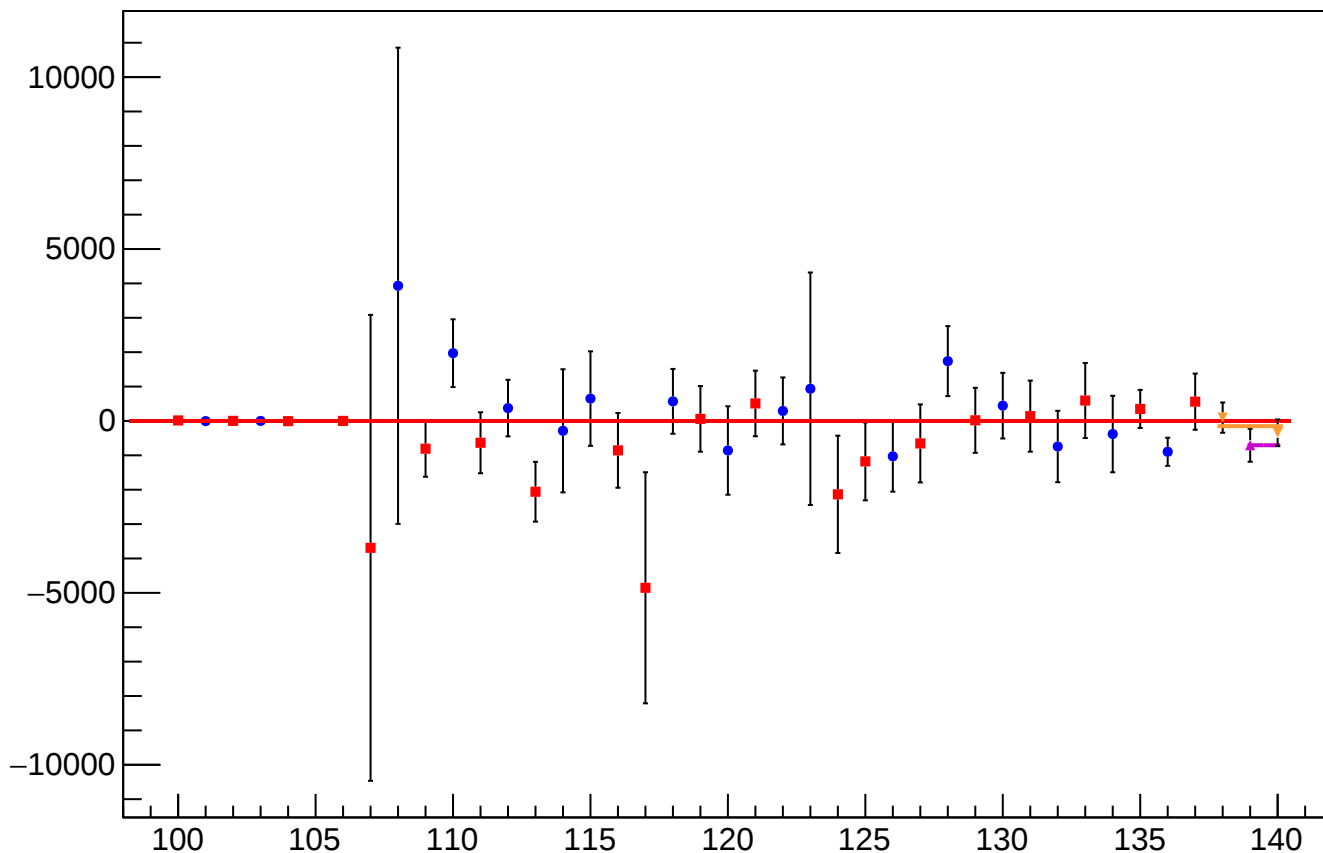
Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

Left In: 221.776 $\pm$ 0.187 χ^2 /NDF:0.0/0

203.358 $\pm$ 0.053 χ^2 /NDF: 1007243.8/18

180.394 $\pm$ 0.049 χ^2 /NDF: 1581733.3/20

asym_cav4bQ_mean vs Slug



Right In: -1.529+/-2.251 χ^2/NDF : 16.6/16

Left Out: -150.852+/-290.332 χ^2/NDF : 0.6/1

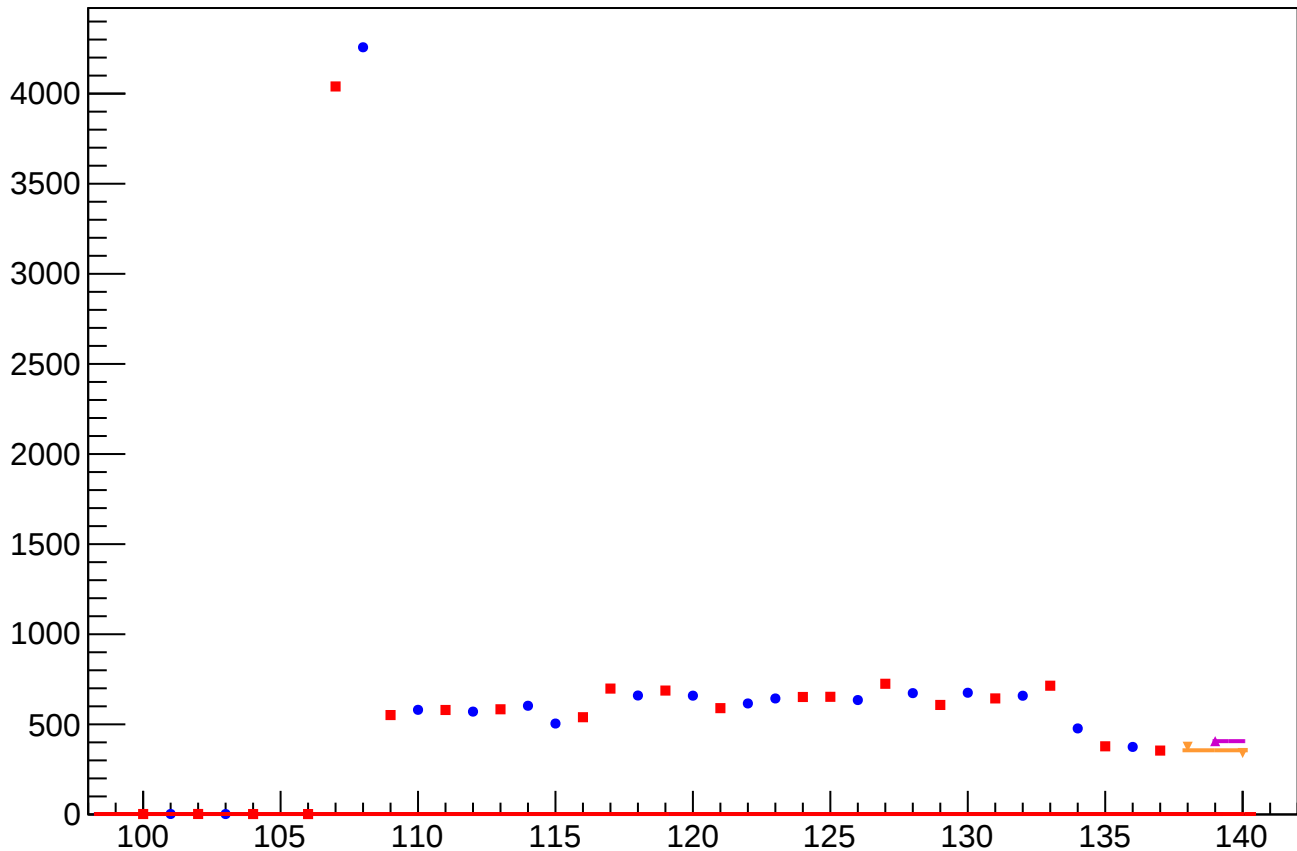
Right Out: -0.733+/-2.111 χ^2/NDF : 20.5/19

Left In: -706.487+/-479.995 χ^2/NDF : 0.0/0

-1.538+/-2.251 χ^2/NDF : 17.5/18

-0.747+/-2.111 χ^2/NDF : 22.6/20

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 356.089+/-0.205 χ^2/NDF : 7078.2/1

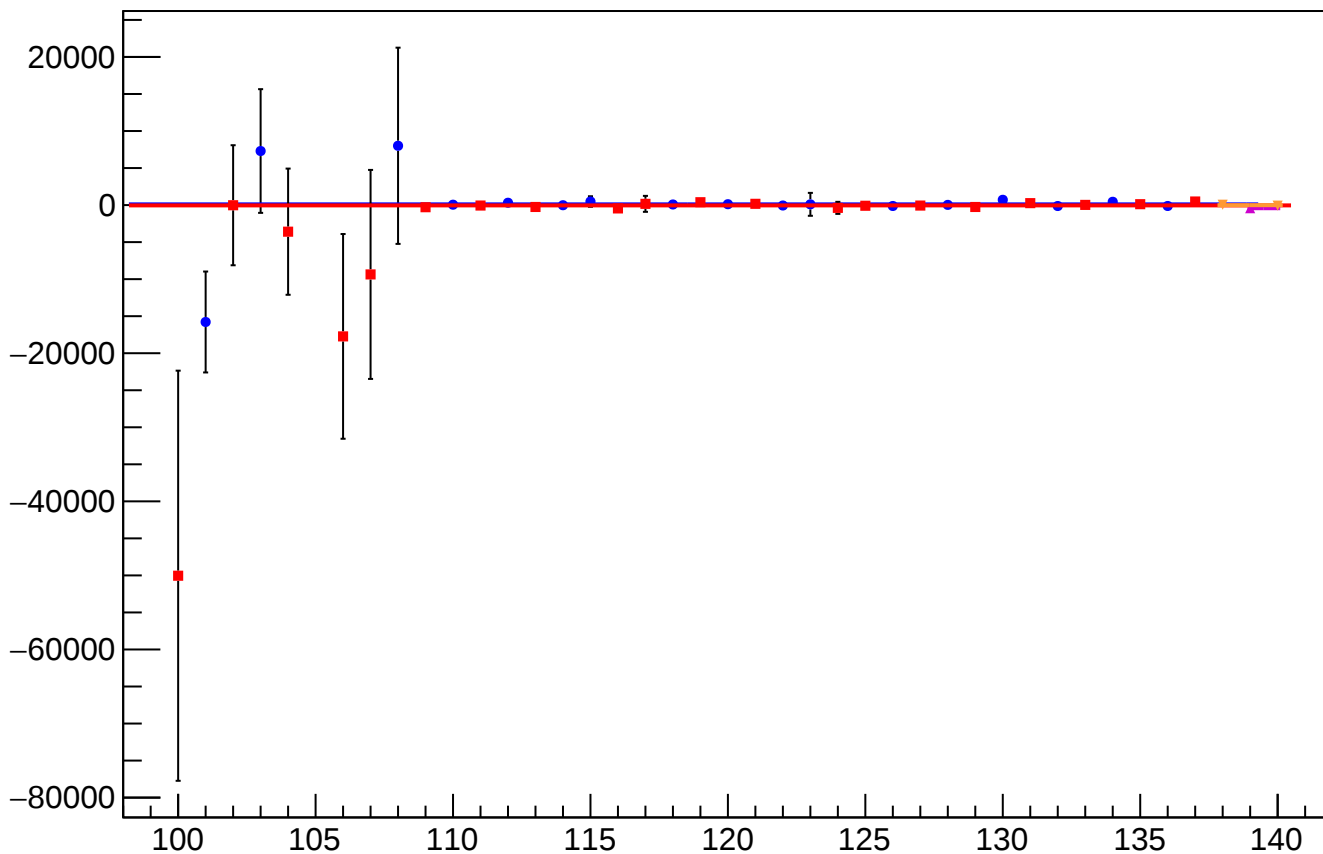
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 406.749+/-0.339 χ^2/NDF : 0.0/0

2.477+/-0.002 χ^2/NDF : 13680432.6/18

2.445+/-0.001 χ^2/NDF : 12644992.9/20

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -12.785+/-184.570 χ^2/NDF : 0.1/1

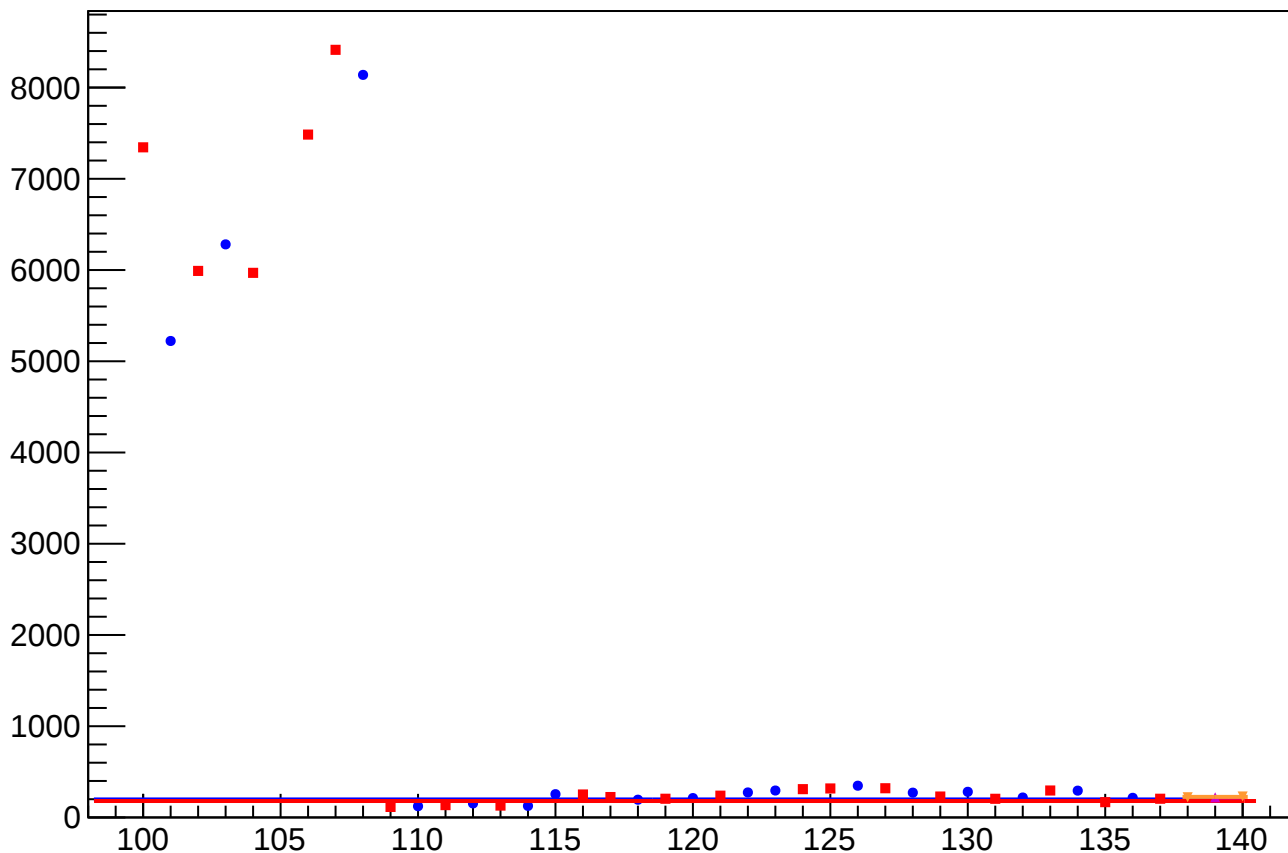
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -422.438+/-262.902 χ^2/NDF : 0.0/0

73.941+/-82.129 χ^2/NDF : 12.4/18

-76.856+/-80.263 χ^2/NDF : 15.9/20

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 225.412+/-0.131 χ^2/NDF :1065.0/1

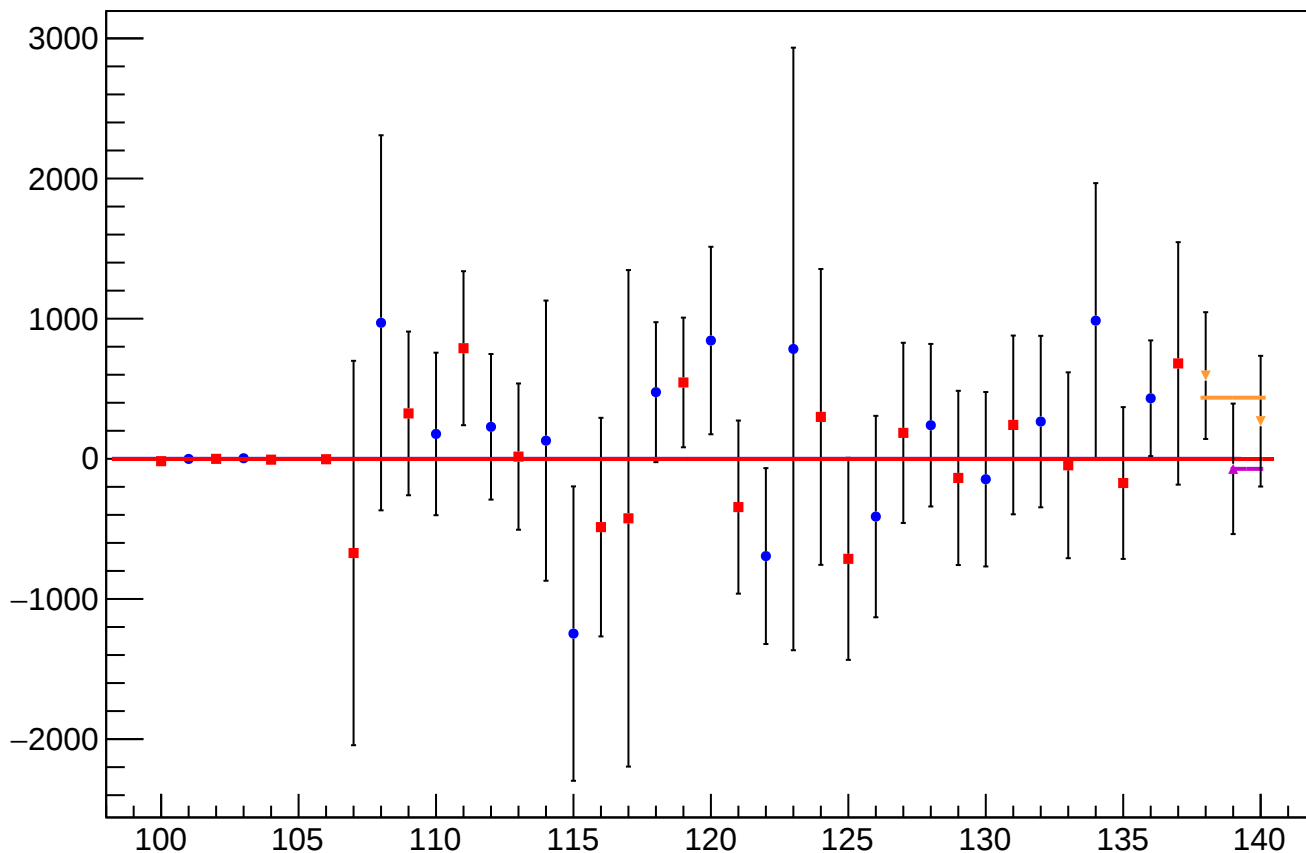
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 220.318+/-0.186 χ^2/NDF :0.0/0

202.964+/-0.058 χ^2/NDF : 3733801.6/18

183.985+/-0.057 χ^2/NDF : 4366807.6/20

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 436.225 ± 324.661 χ^2/NDF : 0.3/1

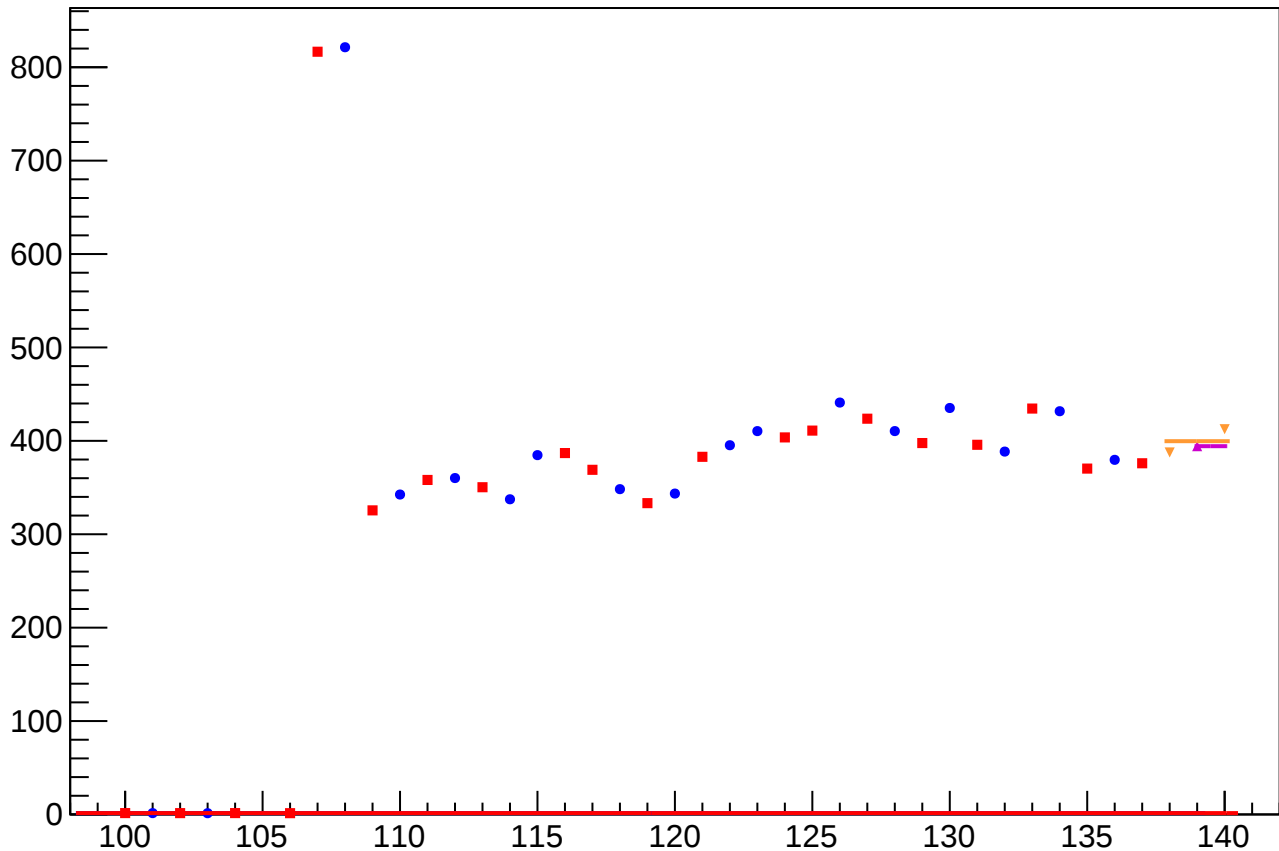
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: -71.565 ± 465.491 χ^2/NDF : 0.0/0

-0.126 ± 1.737 χ^2/NDF : 11.8/18

-1.325 ± 1.623 χ^2/NDF : 9.6/20

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 399.637+/-0.230 χ^2/NDF :2931.3/1

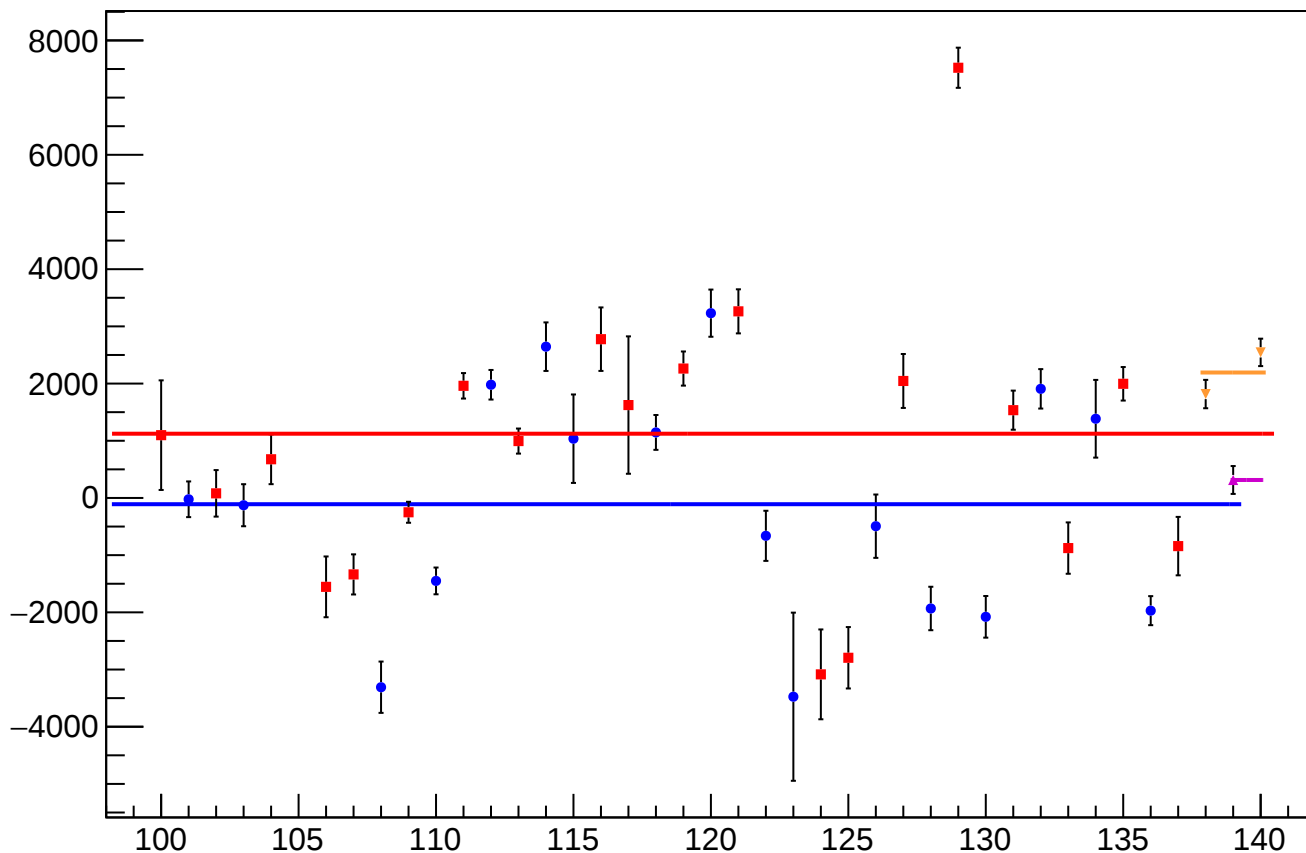
Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

Left In: 394.289+/-0.329 χ^2/NDF :0.0/0

1.464+/-0.001 χ^2/NDF : 13827174.4/18

1.456+/-0.001 χ^2/NDF : 12384032.9/20

asym_bcm0l02_mean vs Slug



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 2193.460+/-172.351 χ^2/NDF : 4.5/1

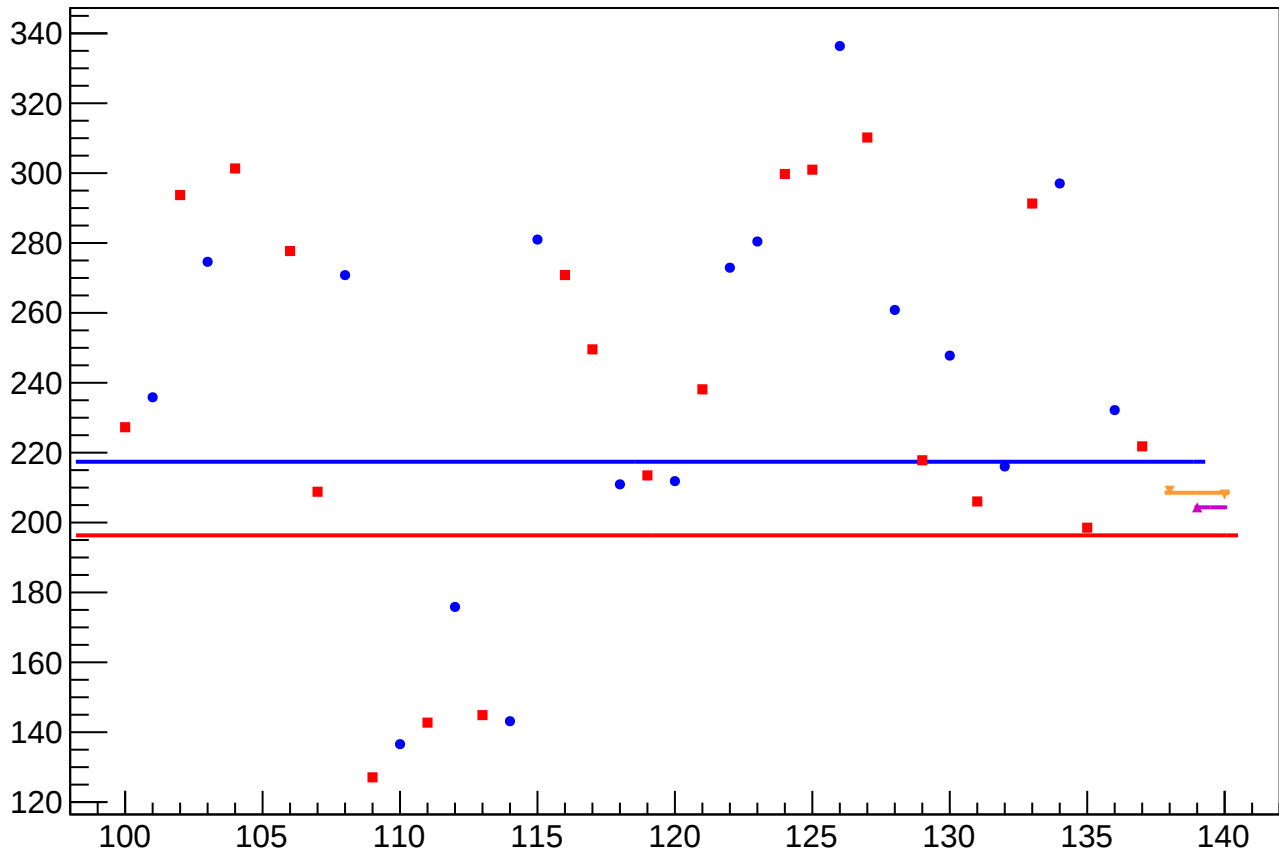
Right Out: 1123.337+/-78.230 χ^2/NDF : 670.2/19

Left In: 314.275+/-243.699 χ^2/NDF : 0.0/0

366.612+/-78.348 χ^2/NDF : 574.4/18

1047.754+/-74.486 χ^2/NDF : 680.2/20

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 208.539 $\pm$ 0.122 χ^2 /NDF:20.2/1

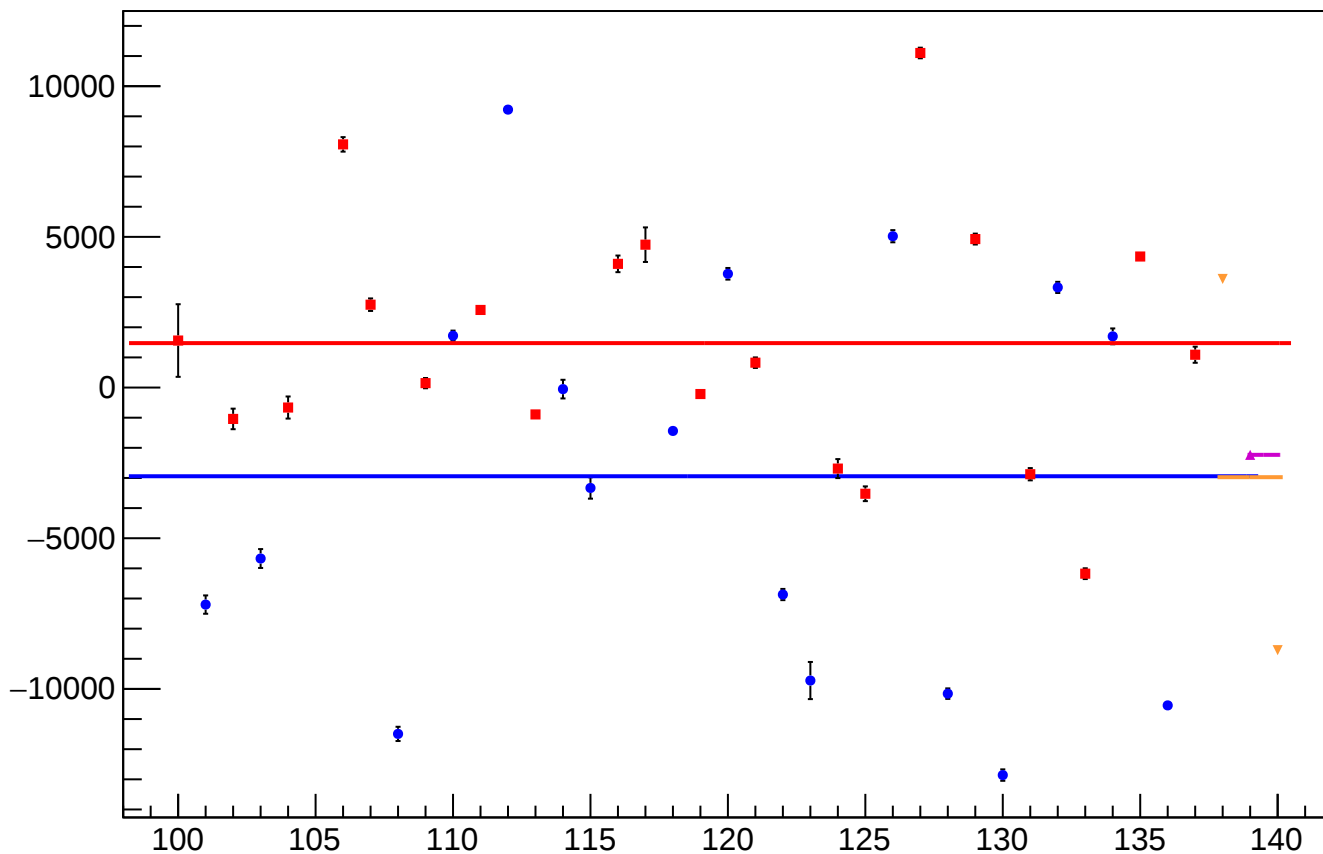
215.571 $\pm$ 0.055 χ^2 /NDF: 656850.0/18

Right Out: 196.339 $\pm$ 0.055 χ^2 /NDF: 1194805.7/19

197.088 $\pm$ 0.053 χ^2 /NDF: 1196771.0/20

Left In: 204.362 $\pm$ 0.172 χ^2 /NDF:0.0/0

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -2974.228 ± 95.580 $\chi^2/\text{NDF}: 4133.1/1$

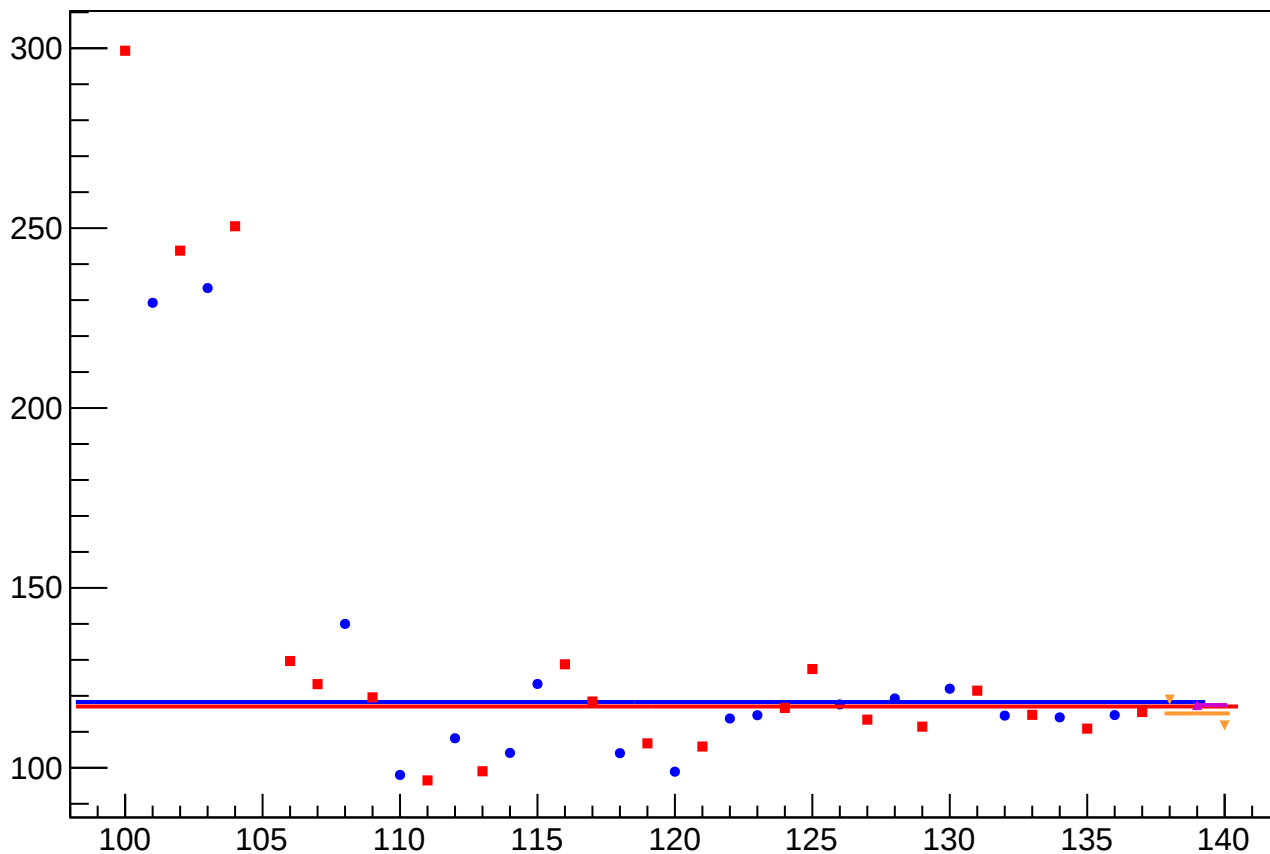
Right Out: 1474.497 ± 46.252 $\chi^2/\text{NDF}: 8028.6/19$

Left In: -2232.735 ± 142.021 $\chi^2/\text{NDF}: 0.0/0$

-2949.515 ± 43.330 $\chi^2/\text{NDF}: 25043.0/18$

1119.002 ± 43.979 $\chi^2/\text{NDF}: 8644.7/20$

asym_bpm2i01WS_rms vs Slug



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 115.114 $\pm$ 0.068 χ^2 /NDF:2807.7/1

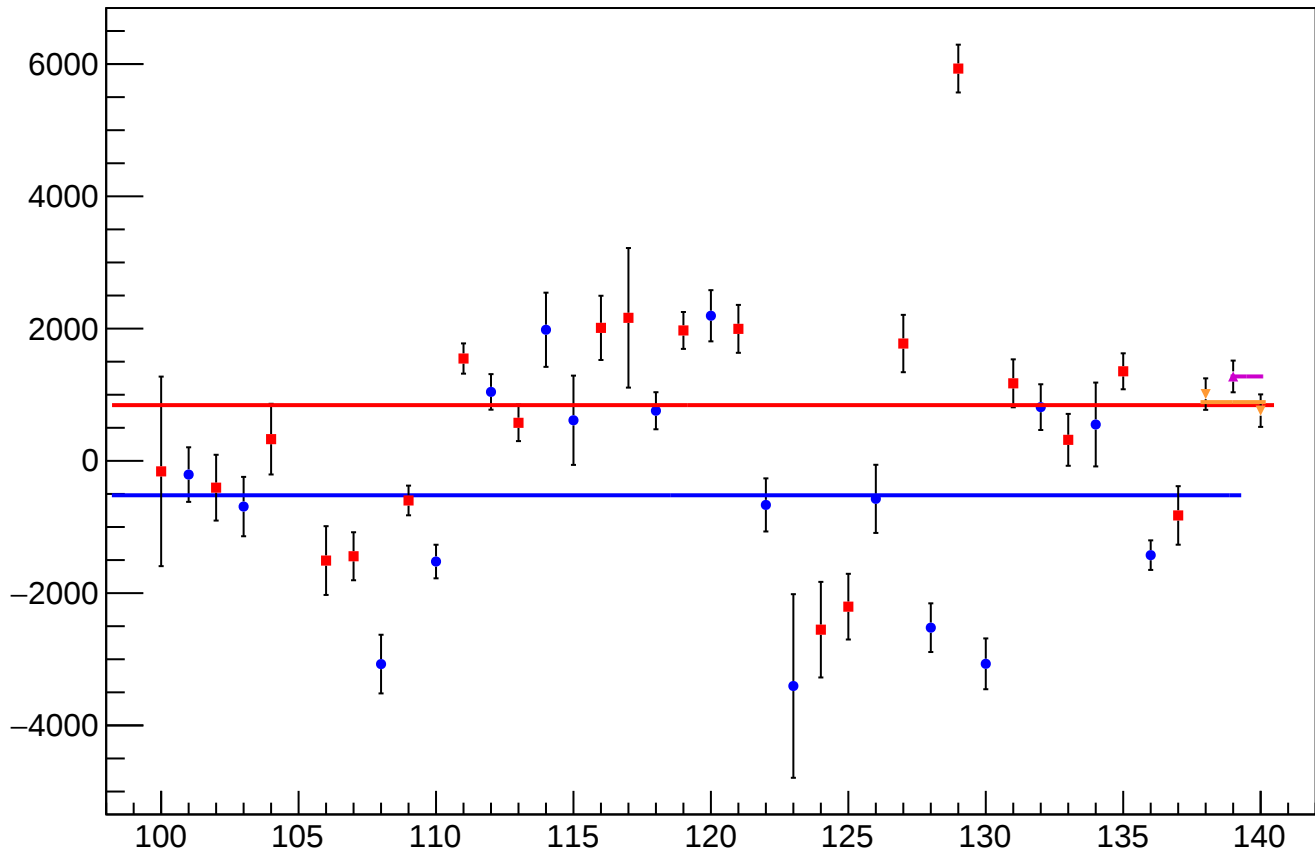
Right Out: 117.040 $\pm$ 0.033 χ^2 /NDF: 690873.1/19

Left In: 117.446 $\pm$ 0.100 χ^2 /NDF:0.0/0

117.634 $\pm$ 0.031 χ^2 /NDF: 641475.6/18

117.079 $\pm$ 0.031 χ^2 /NDF: 690887.9/20

asym_bpm0i07WS_mean vs Slug



Right In: -520.267+/-89.241 χ^2/NDF : 288.1/16

Left Out: 888.607+/-170.997 χ^2/NDF : 0.5/1

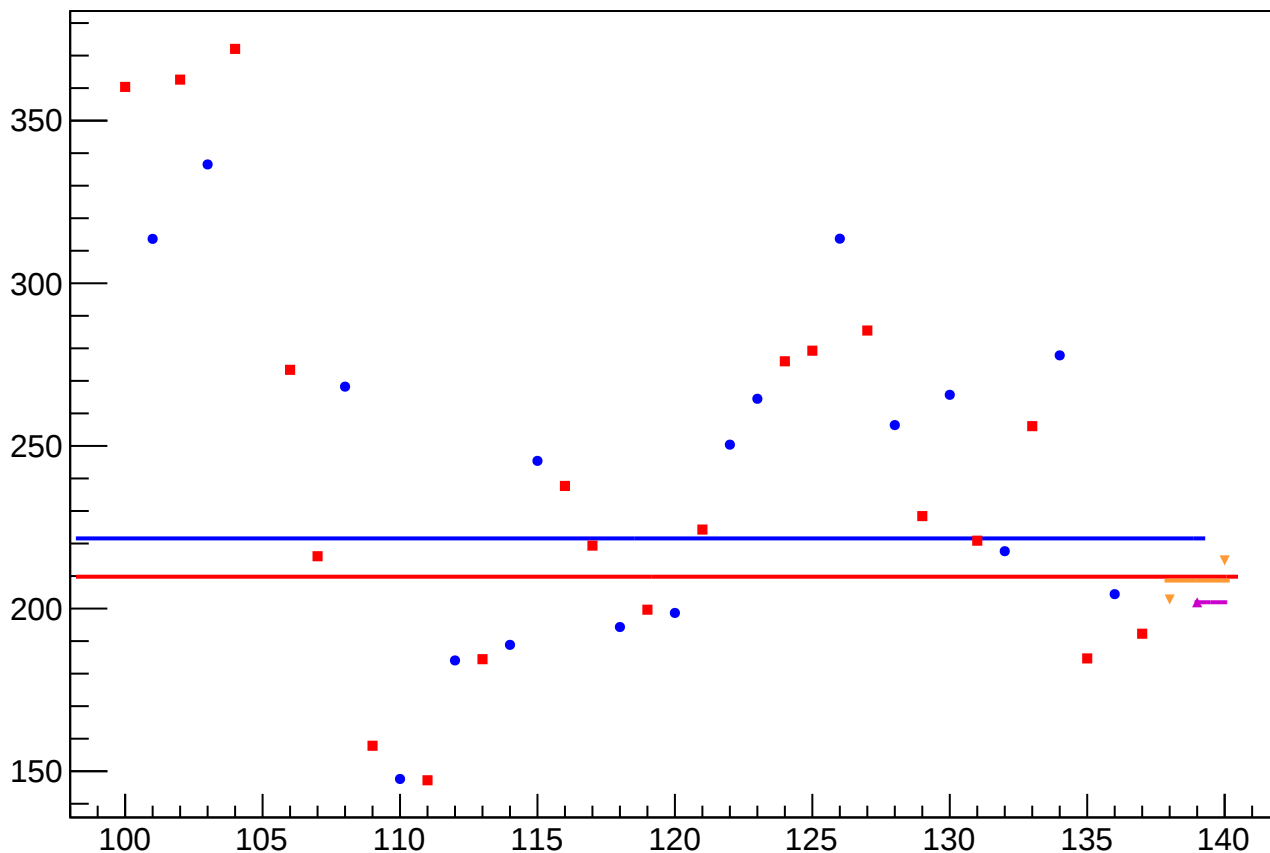
Right Out: 842.858+/-82.024 χ^2/NDF : 436.3/19

Left In: 1276.540+/-239.657 χ^2/NDF : 0.0/0

-218.682+/-79.115 χ^2/NDF : 342.0/18

888.332+/-77.605 χ^2/NDF : 439.2/20

asym_bpm0i07WS_rms vs Slug



Right In: 221.570+/-0.063 χ^2/NDF : 644941.4/16

Left Out: 208.604+/-0.121 χ^2/NDF :2466.7/1

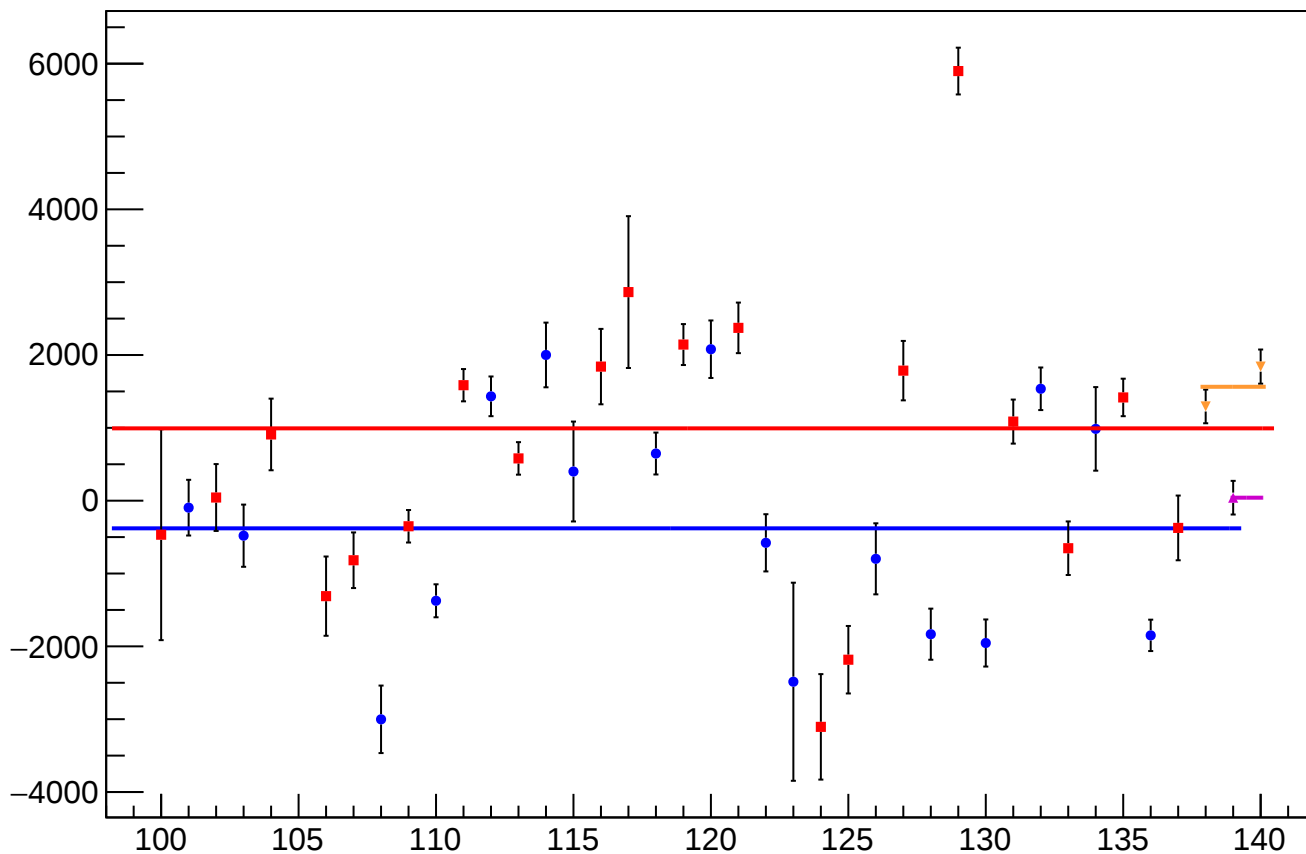
Right Out: 209.794+/-0.058 χ^2/NDF : 884087.4/19

Left In: 201.941+/-0.169 χ^2/NDF :0.0/0

218.794+/-0.056 χ^2/NDF : 656445.7/18

208.971+/-0.055 χ^2/NDF : 886009.7/20

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1563.732 ± 164.701 χ^2/NDF : 2.8/1

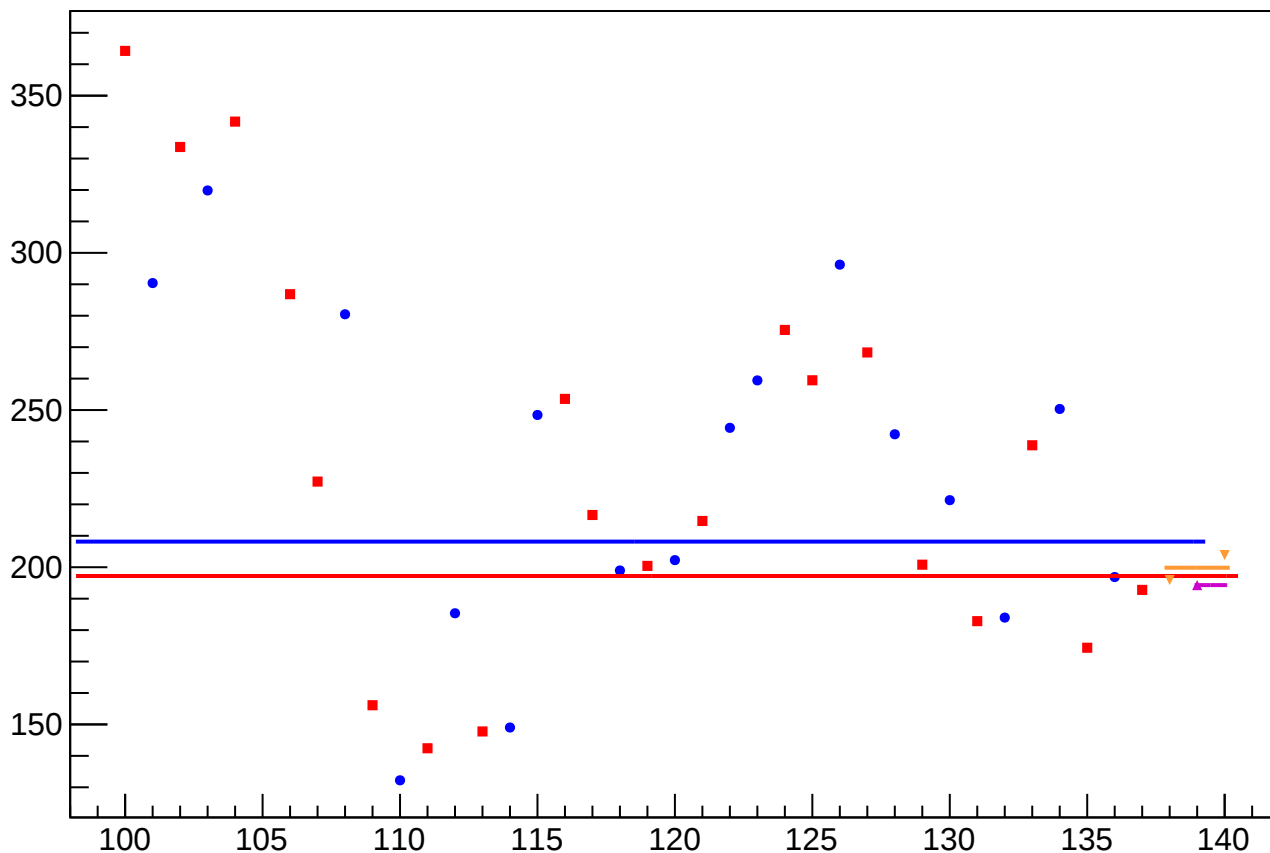
Right Out: 992.944 ± 77.509 χ^2/NDF : 479.5/19

Left In: 41.098 ± 231.087 χ^2/NDF : 0.0/0

23.477 ± 75.013 χ^2/NDF : 430.3/18

896.689 ± 73.486 χ^2/NDF : 494.7/20

asym_bpm0l01WS_rms vs Slug



Right In: 208.151 ± 0.060 χ^2/NDF : 699084.2/16

Left Out: 199.844 ± 0.116 χ^2/NDF : 1161.0/1

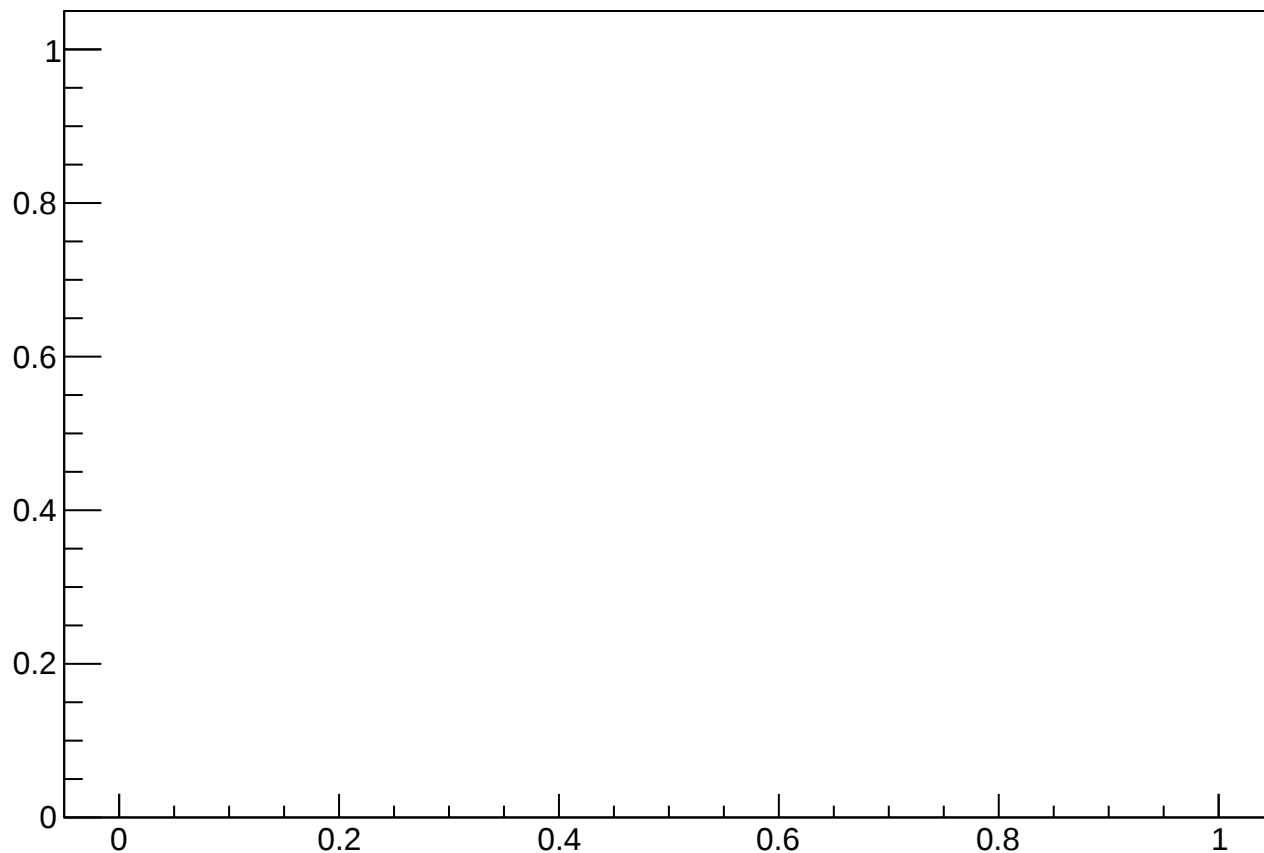
Right Out: 197.210 ± 0.055 χ^2/NDF : 927165.0/19

Left In: 194.311 ± 0.163 χ^2/NDF : 0.0/0

206.428 ± 0.053 χ^2/NDF : 704277.0/18

196.917 ± 0.052 χ^2/NDF : 927448.0/20

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

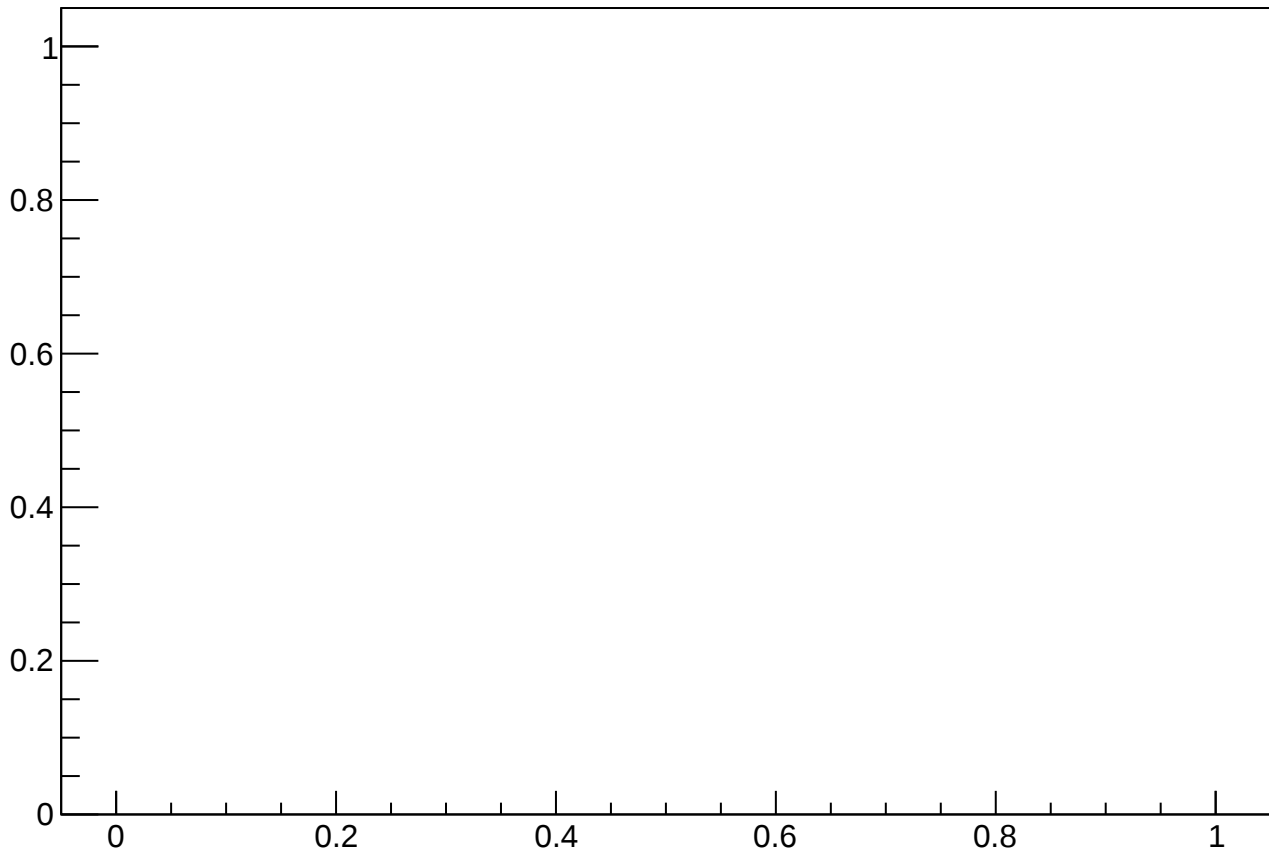
Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

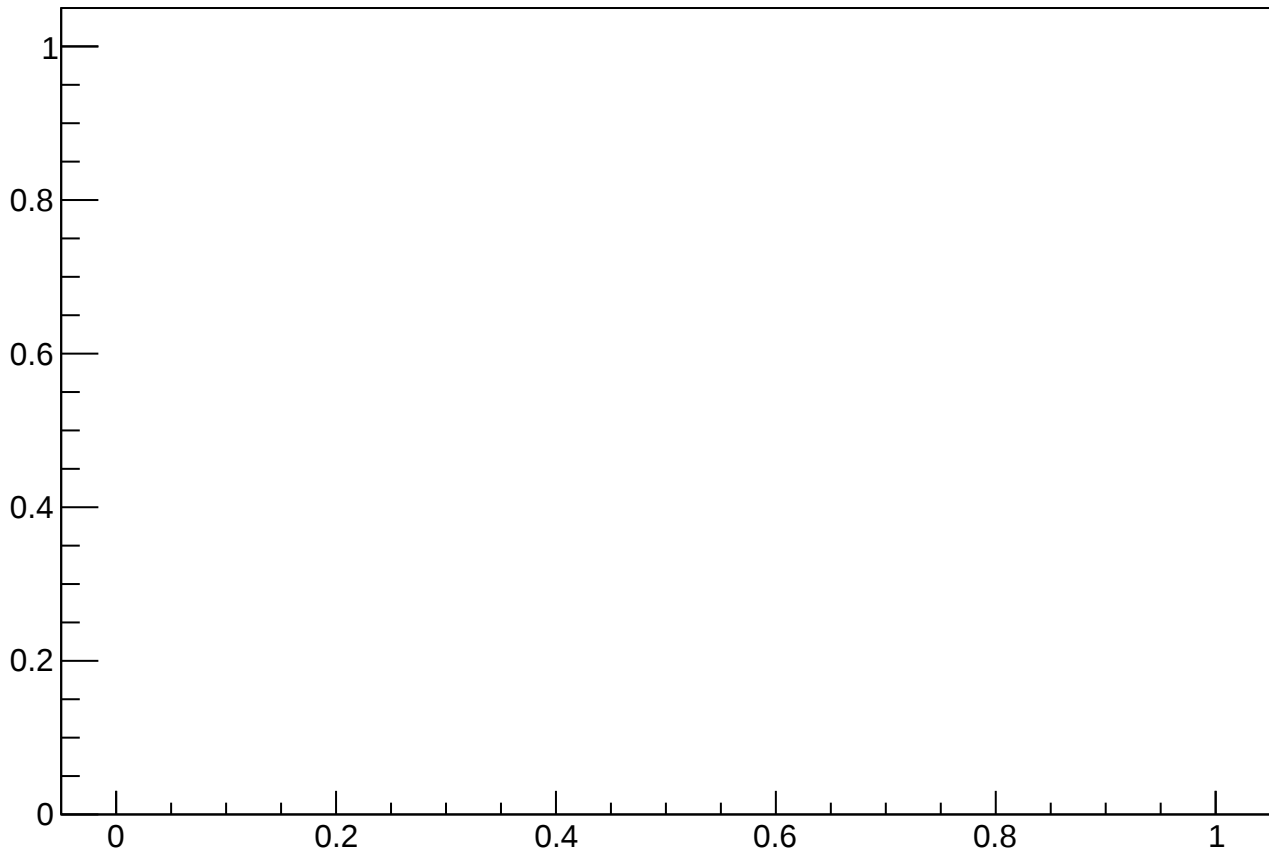
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

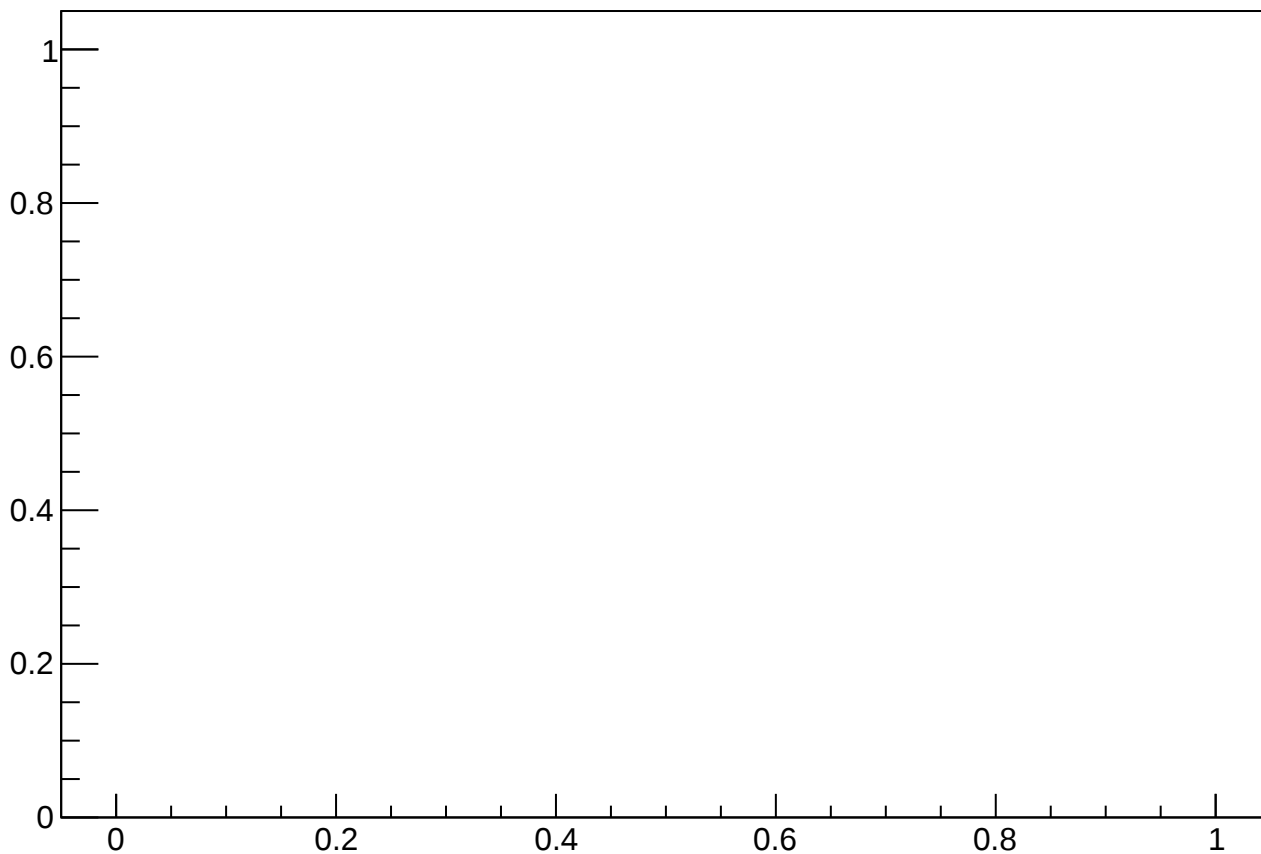
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

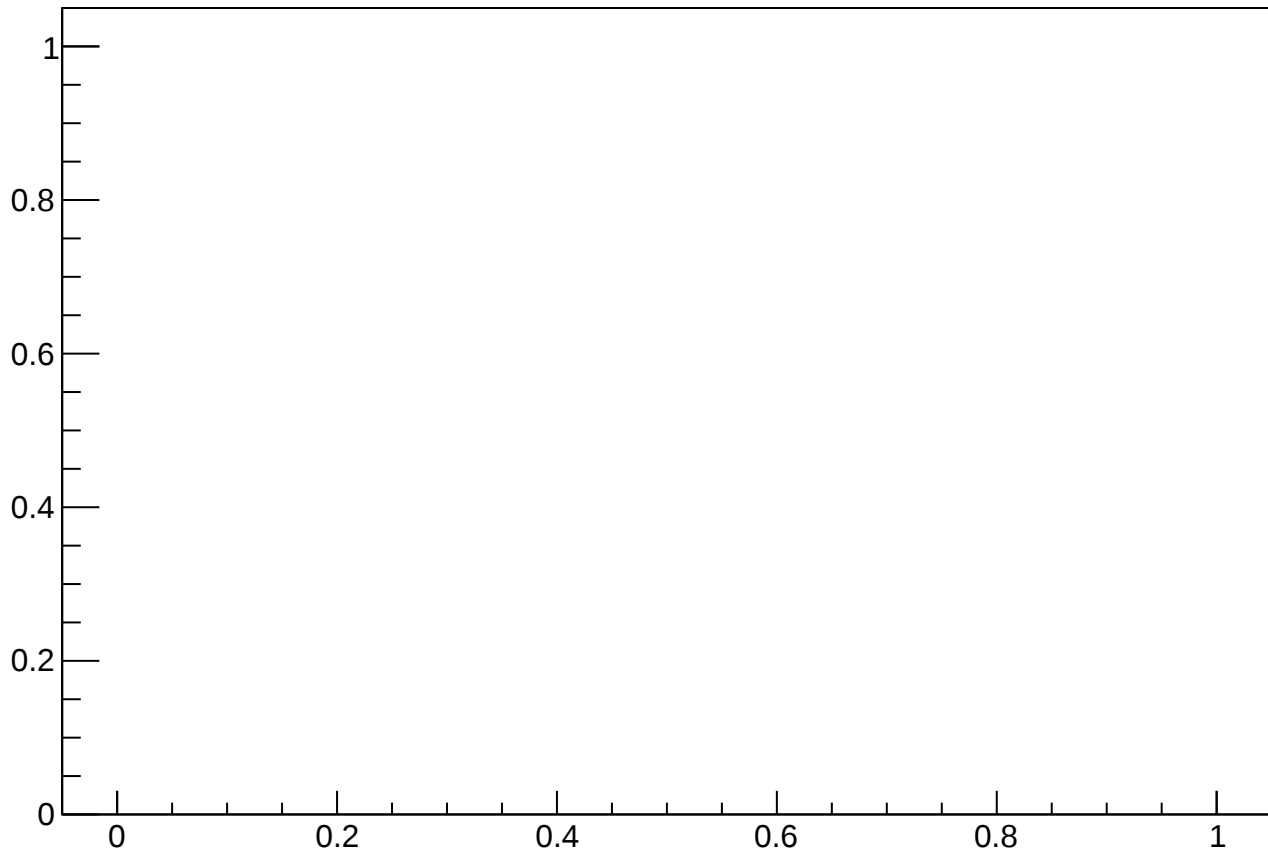
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

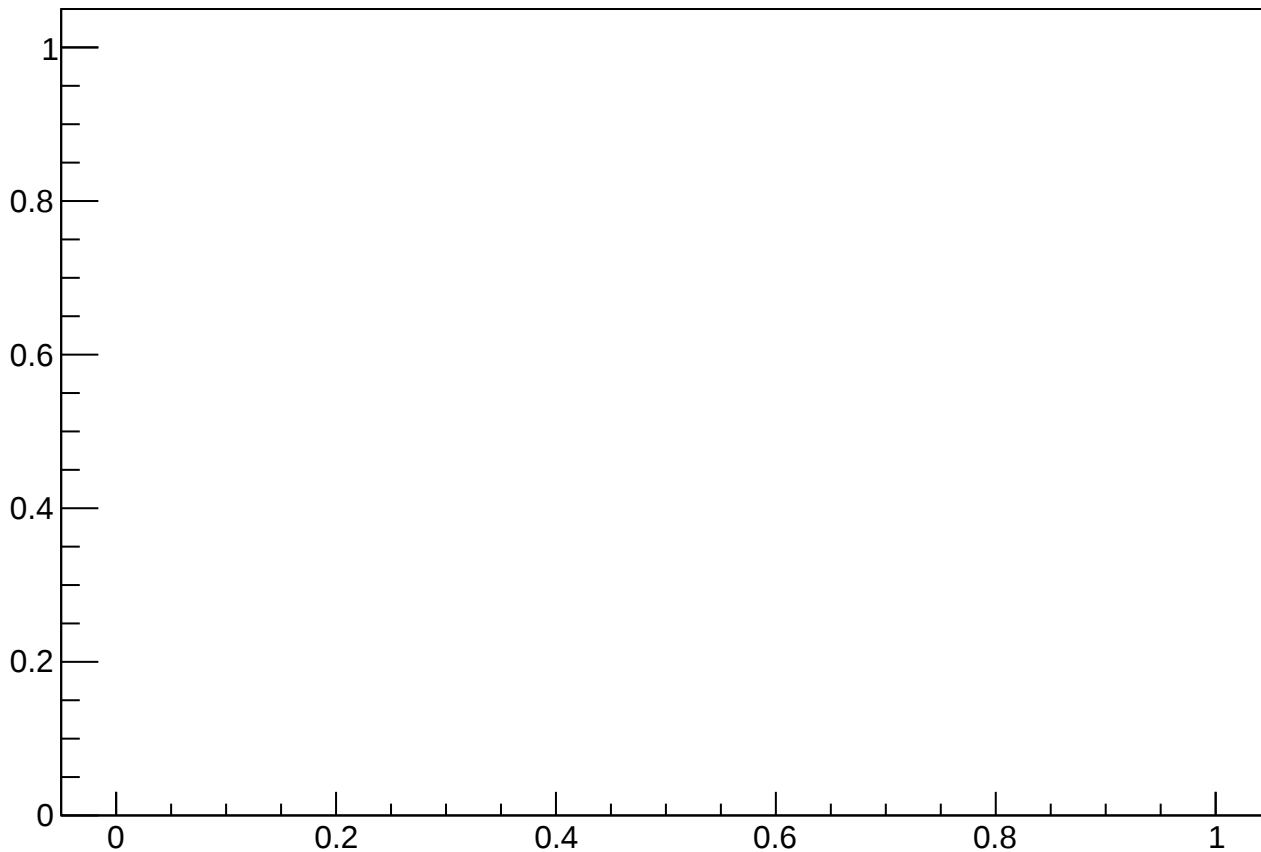
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

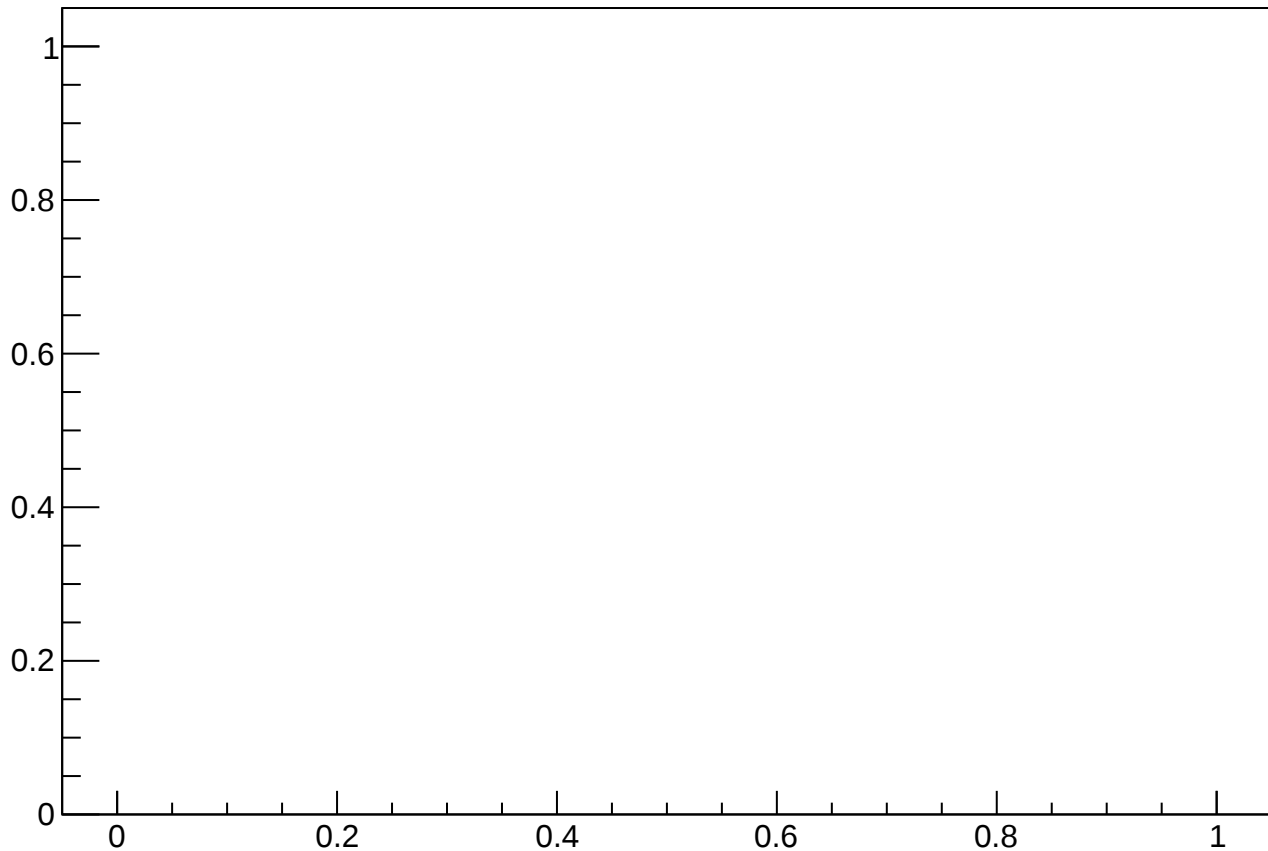
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

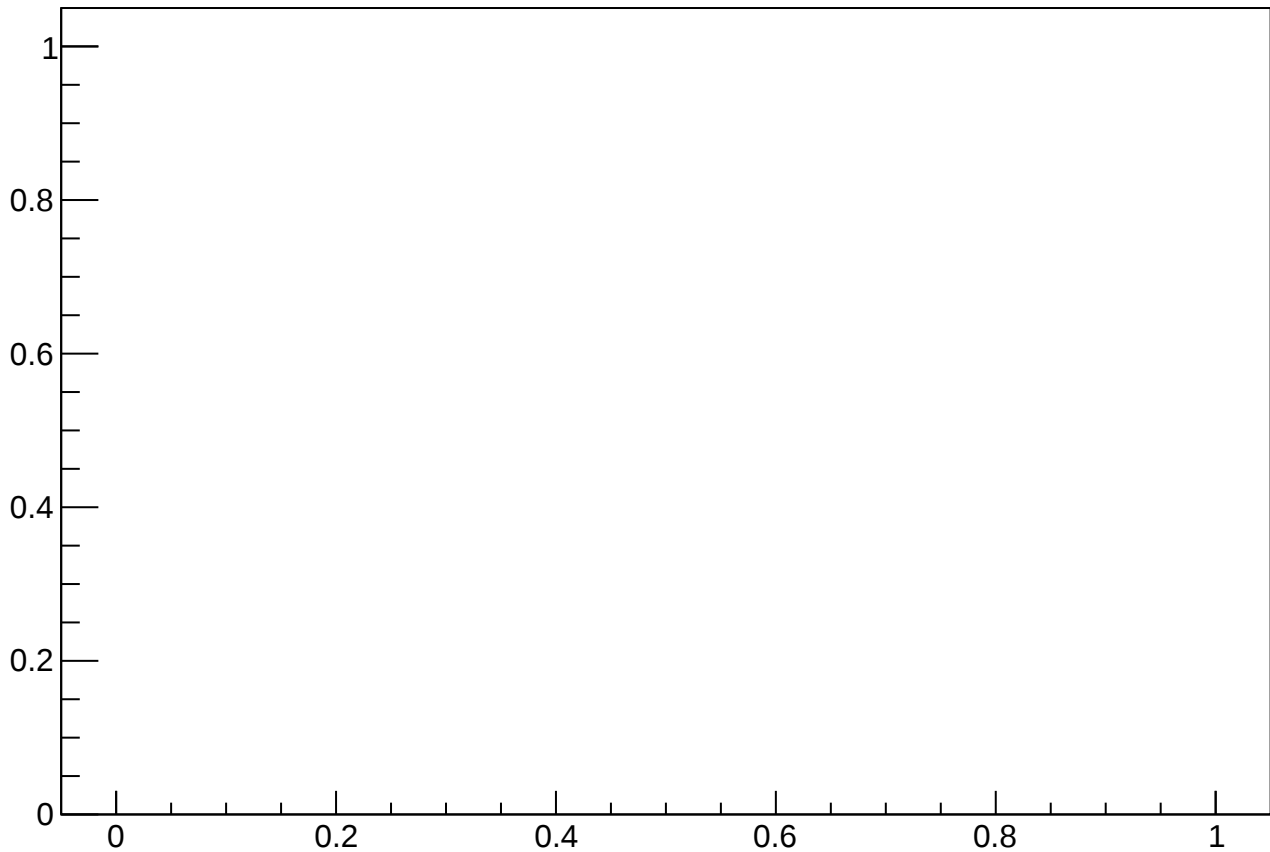
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

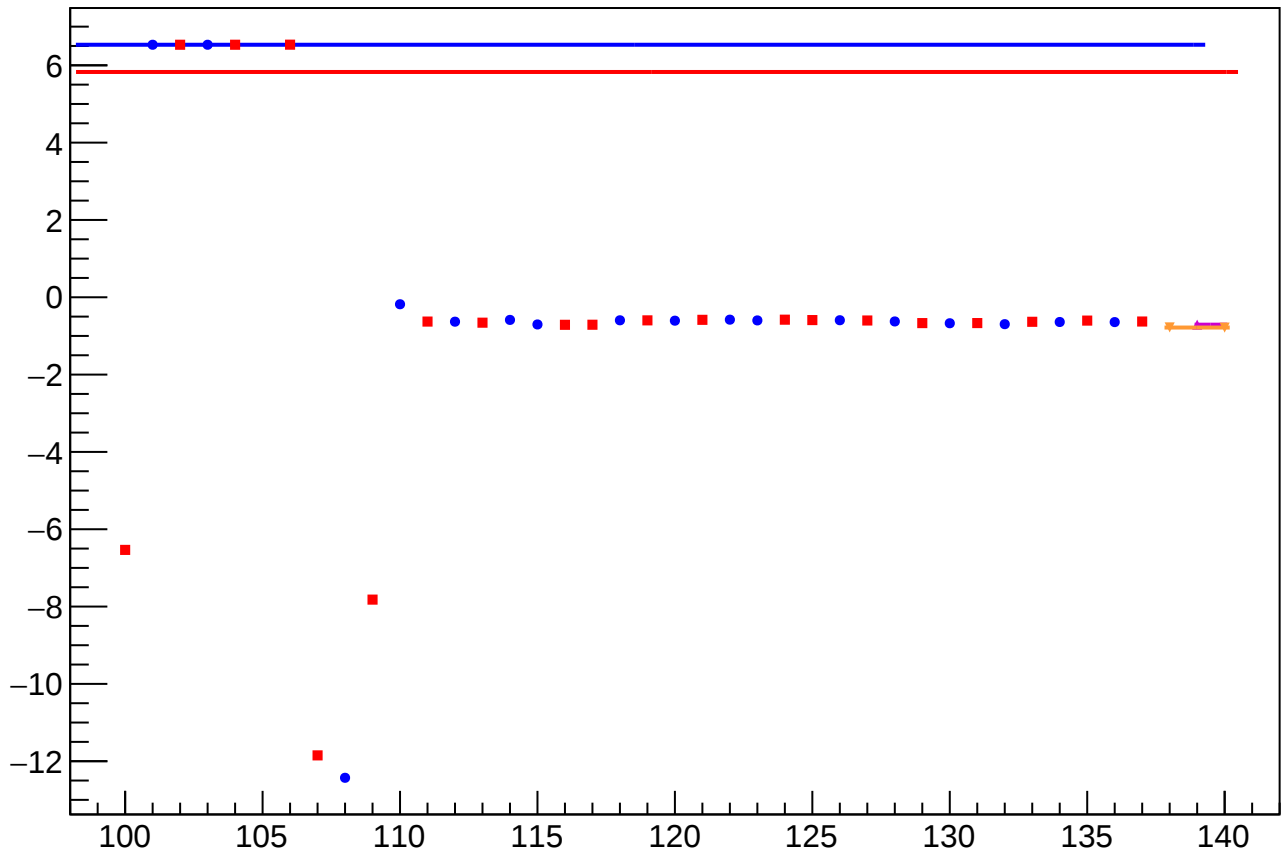
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532+/-0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.783+/-0.000 χ^2/NDF : 3836.9/1

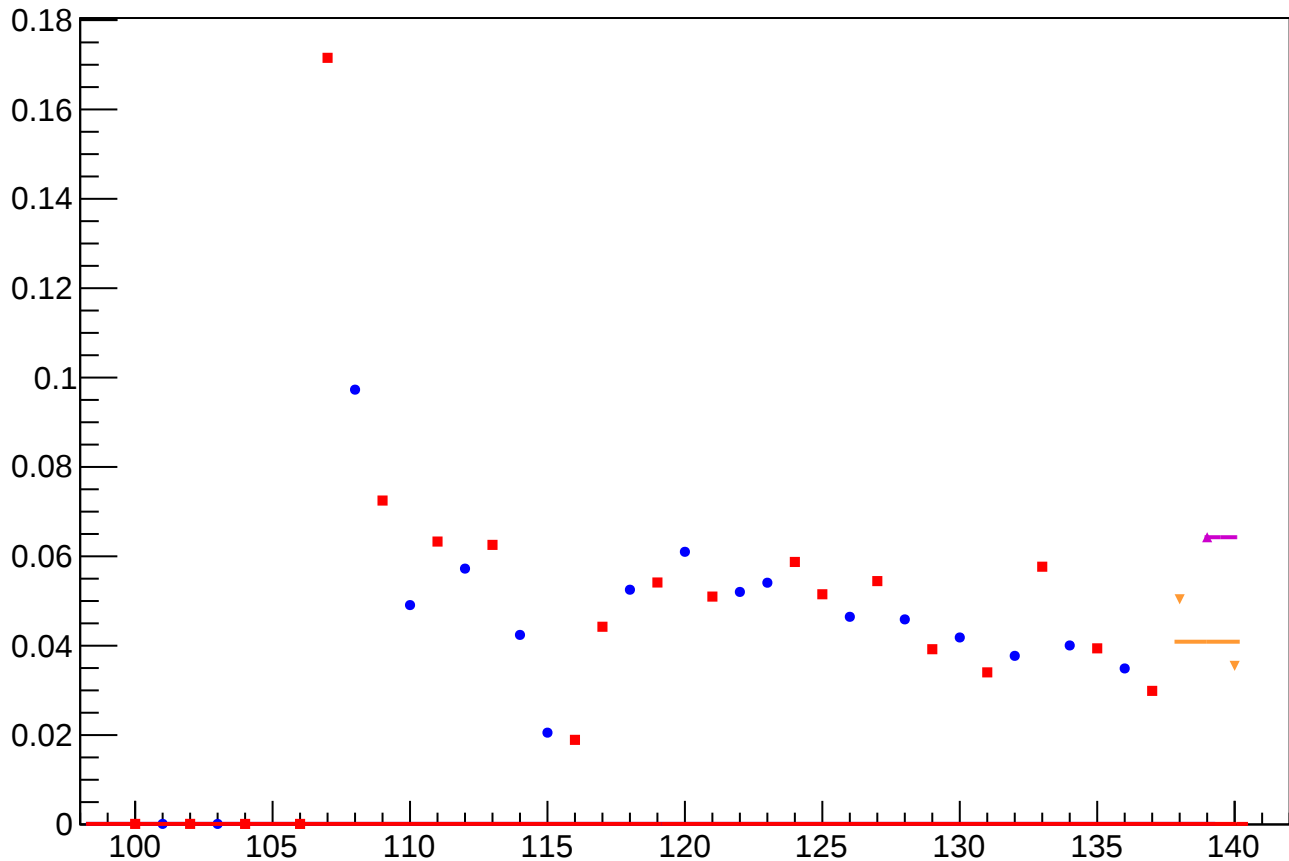
6.532+/-0.000 χ^2/NDF : 162643549773.0/18

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

5.827+/-0.000 χ^2/NDF : 755971314050729.2/20

Left In: -0.709+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.041+/-0.000 χ^2/NDF :67983.4/1

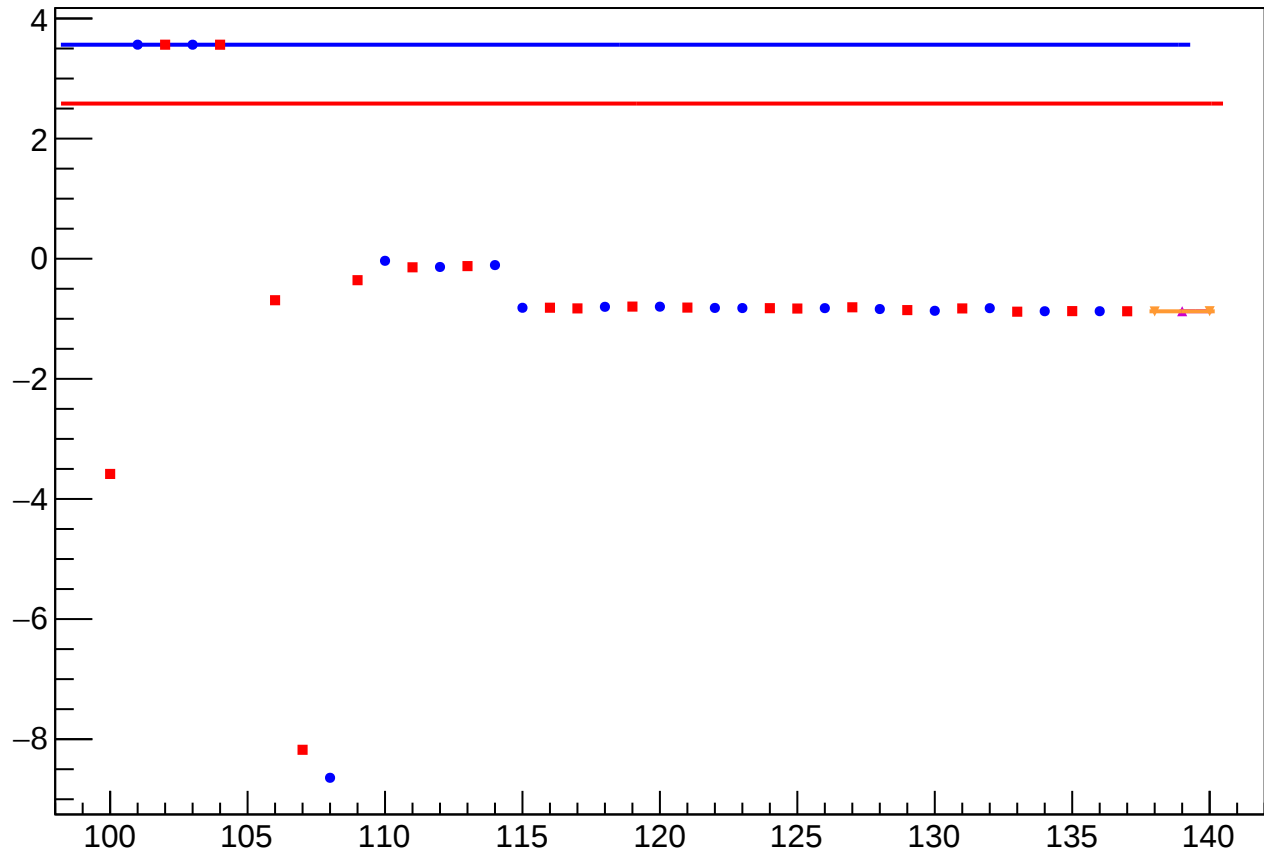
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.064+/-0.000 χ^2/NDF :0.0/0

0.000+/-0.000 χ^2/NDF : 11157049.6/18

0.000+/-0.000 χ^2/NDF : 10820707.2/20

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.876+/-0.000 χ^2/NDF : 82388.5/1

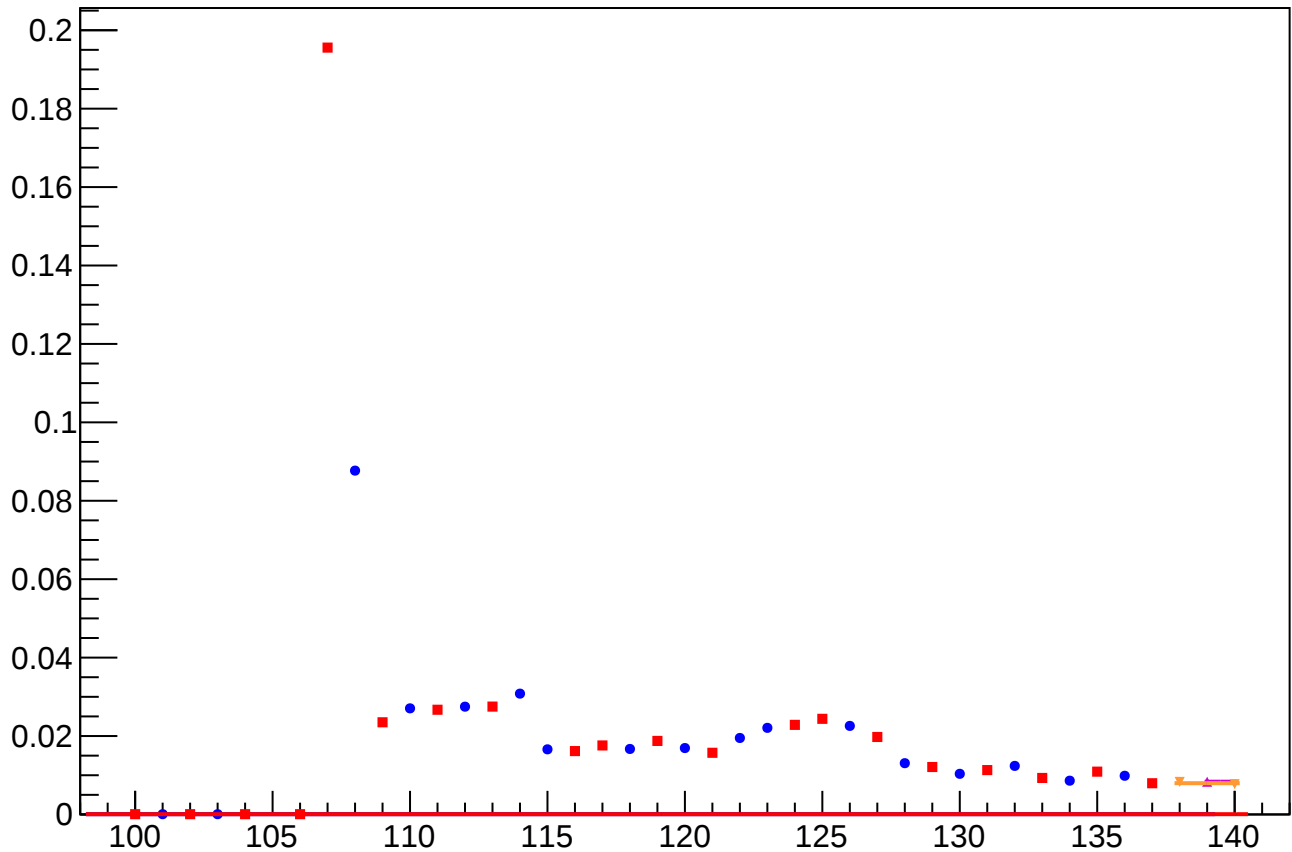
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.874+/-0.000 χ^2/NDF : 0.0/0

3.563+/-0.000 χ^2/NDF : 934164041568.5/18

2.583+/-0.000 χ^2/NDF : 1253625489330605.5/18

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 3896.2/1

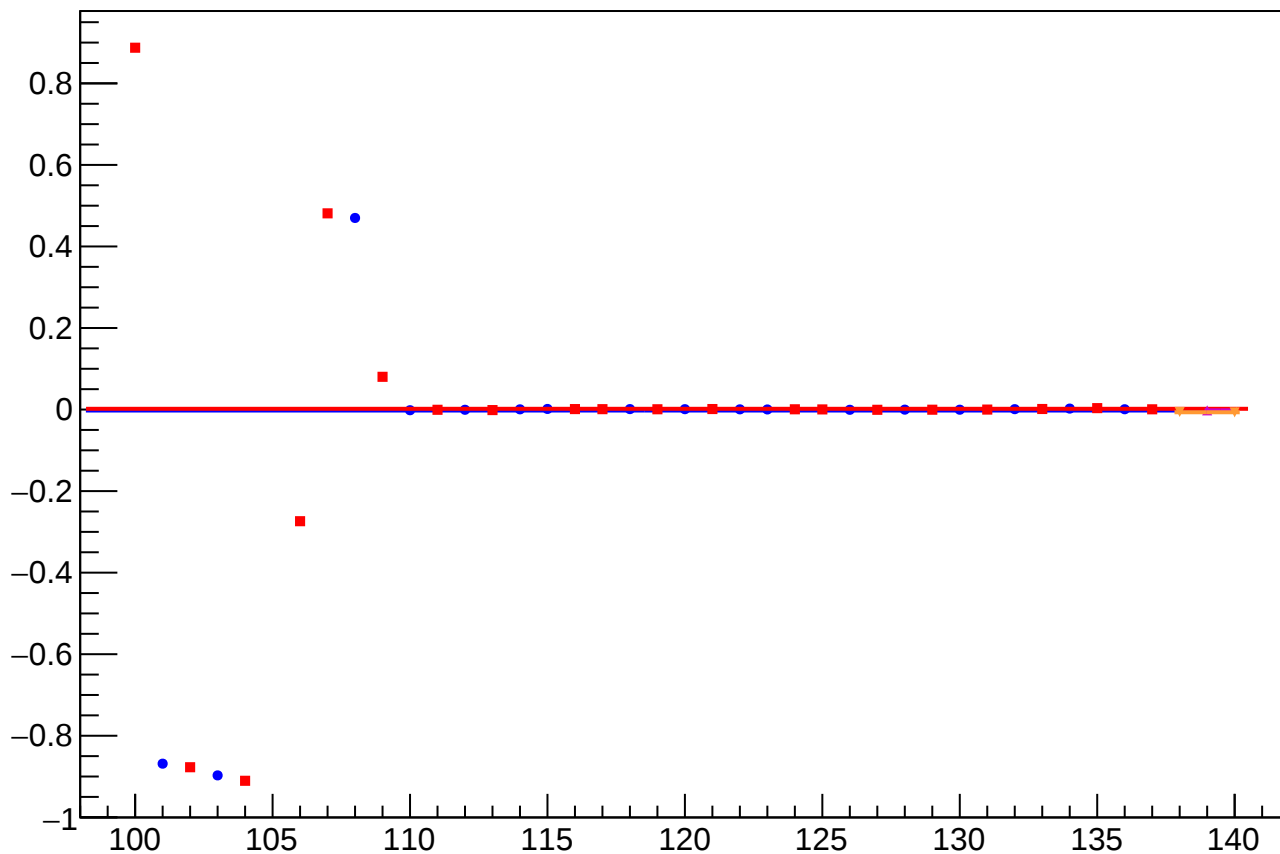
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 12595619.0/18

0.000+/-0.000 χ^2/NDF : 11338439.1/20

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.007+/-0.000 χ^2/NDF : 78072.0/1

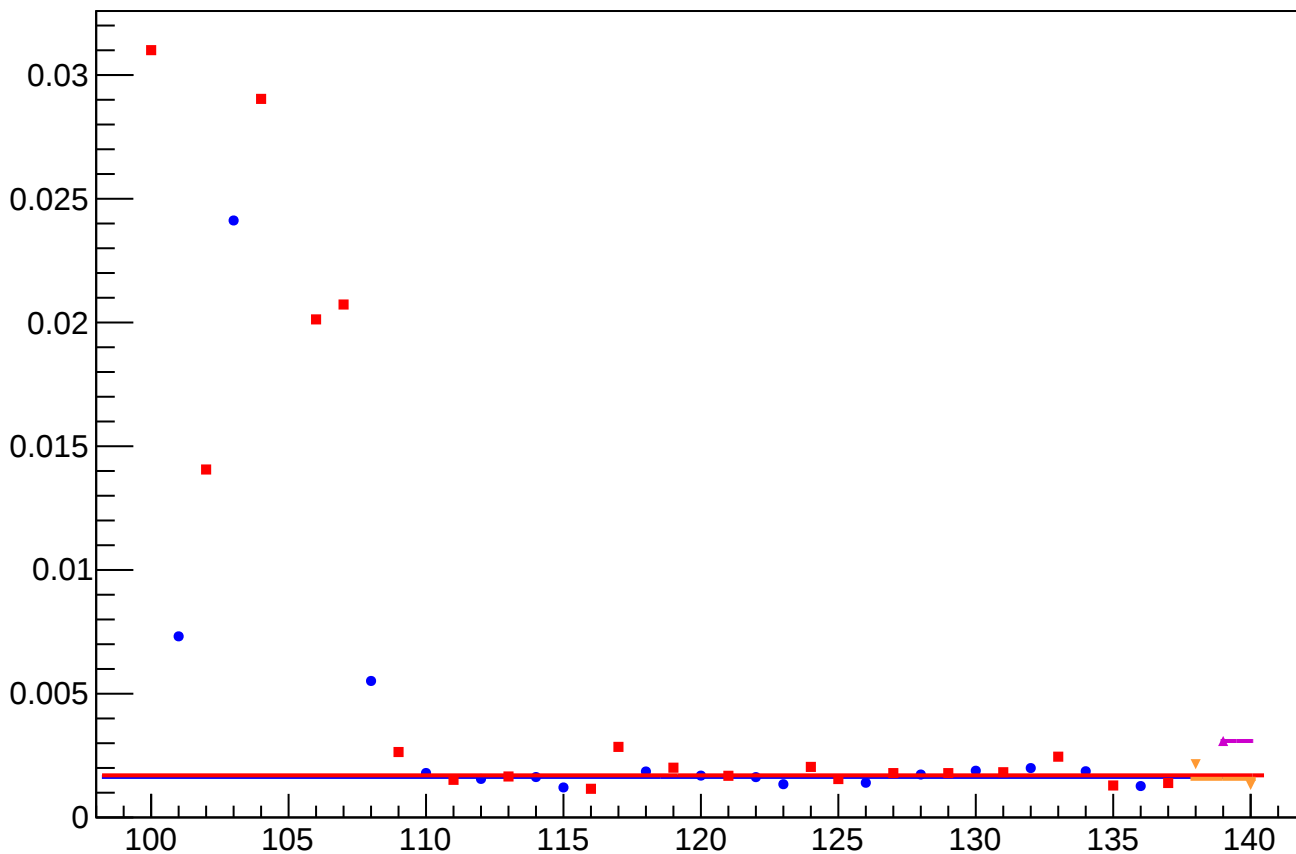
Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

Left In: -0.002+/-0.000 χ^2/NDF : 0.0/0

-0.003+/-0.000 χ^2/NDF : 9801232310.2/18

0.002+/-0.000 χ^2/NDF : 3042354890.2/20

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.002+/-0.000 χ^2/NDF : 127324.3/1

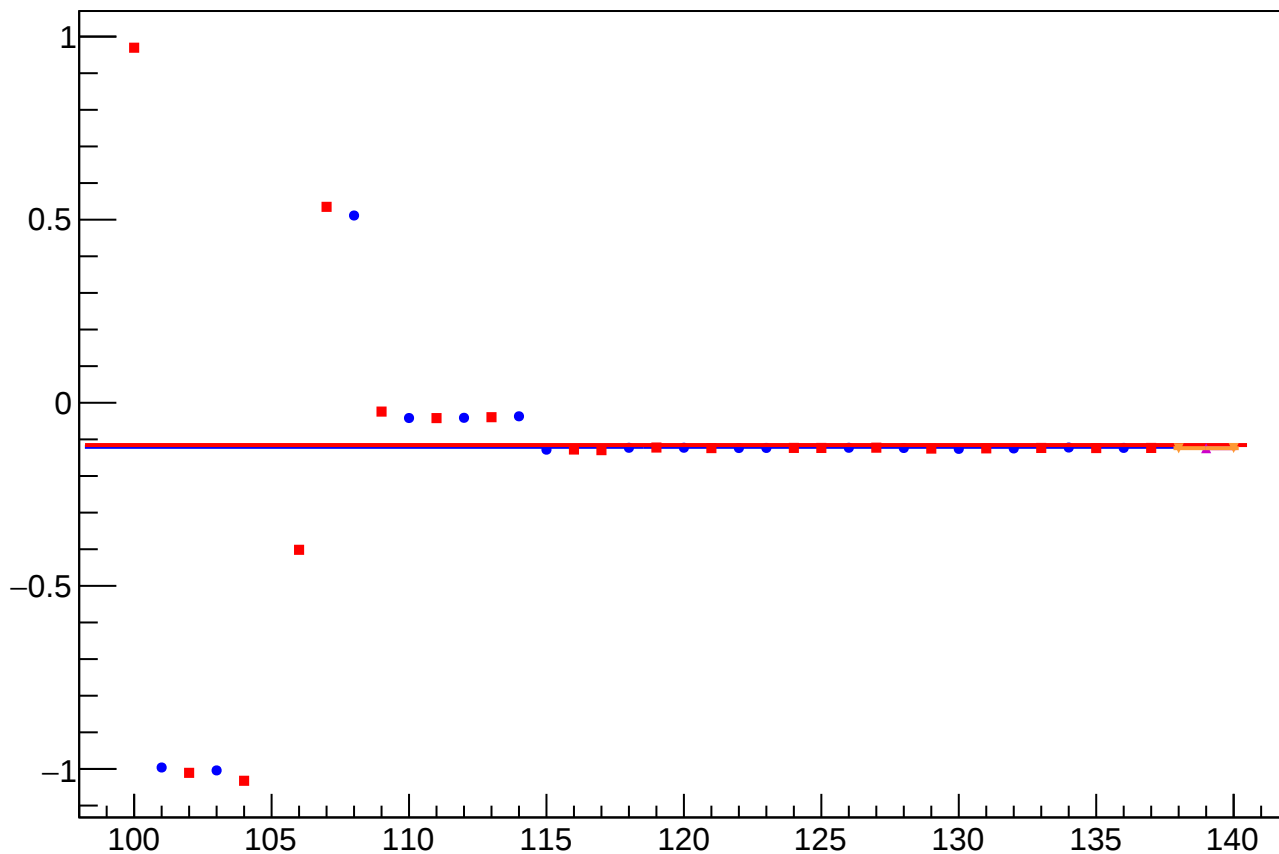
Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

Left In: 0.003+/-0.000 χ^2/NDF : 0.0/0

0.002+/-0.000 χ^2/NDF : 2047688.8/18

0.002+/-0.000 χ^2/NDF : 3314292.7/20

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.124+/-0.000 χ^2/NDF :127885.8/1

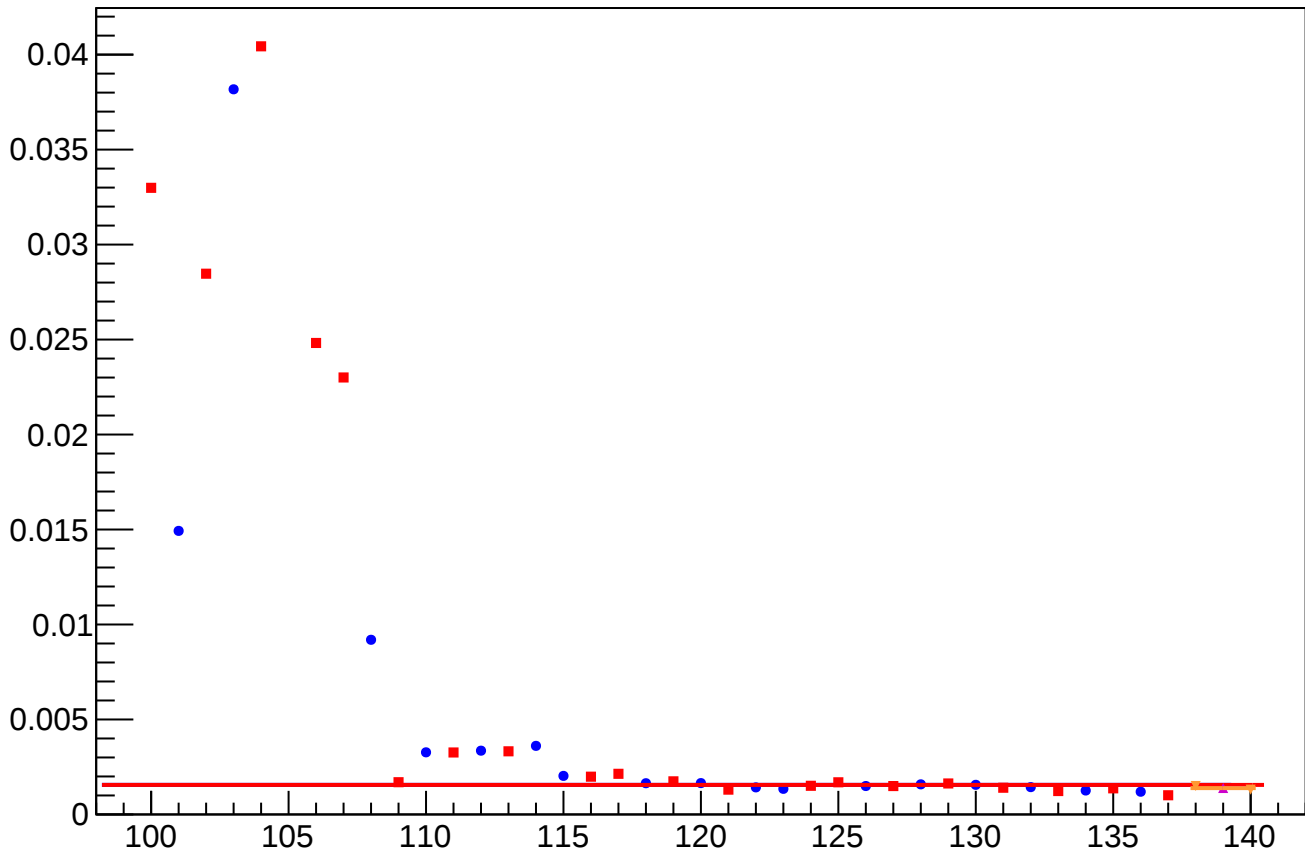
-0.121+/-0.000 χ^2/NDF : 3938899070.0/18

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

-0.117+/-0.000 χ^2/NDF : 2478942030.8/20

Left In: -0.124+/-0.000 χ^2/NDF :0.0/0

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF :12276.6/1

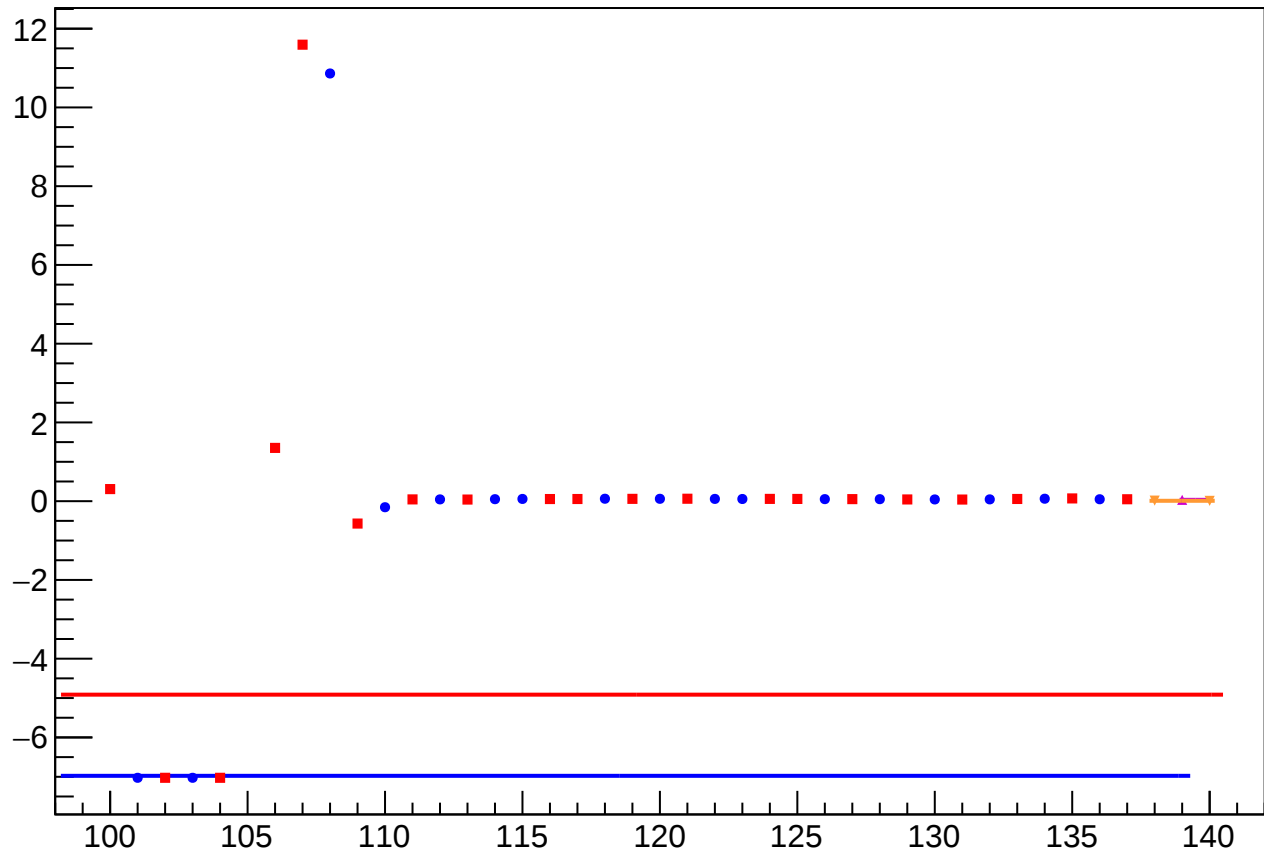
0.002+/-0.000 χ^2/NDF : 2942185.5/18

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

0.002+/-0.000 χ^2/NDF : 3559806.4/20

Left In: 0.001+/-0.000 χ^2/NDF :0.0/0

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.010+/-0.000 χ^2/NDF :105685.0/1

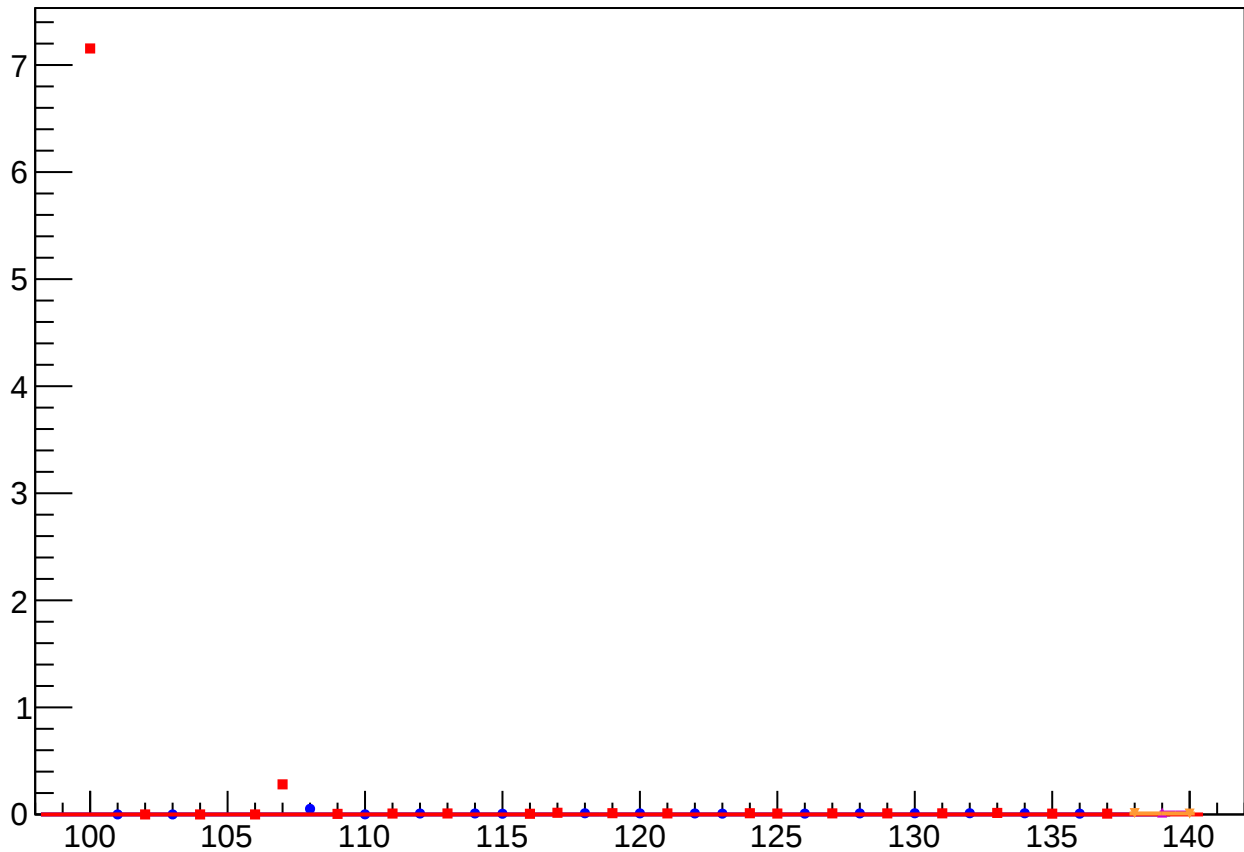
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.034+/-0.000 χ^2/NDF :0.0/0

-6.972+/-0.000 χ^2/NDF : 9332759324069.8/18

-4.913+/-0.000 χ^2/NDF : 365417394287042.7/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.010+/-0.000 χ^2/NDF :106907.9/1

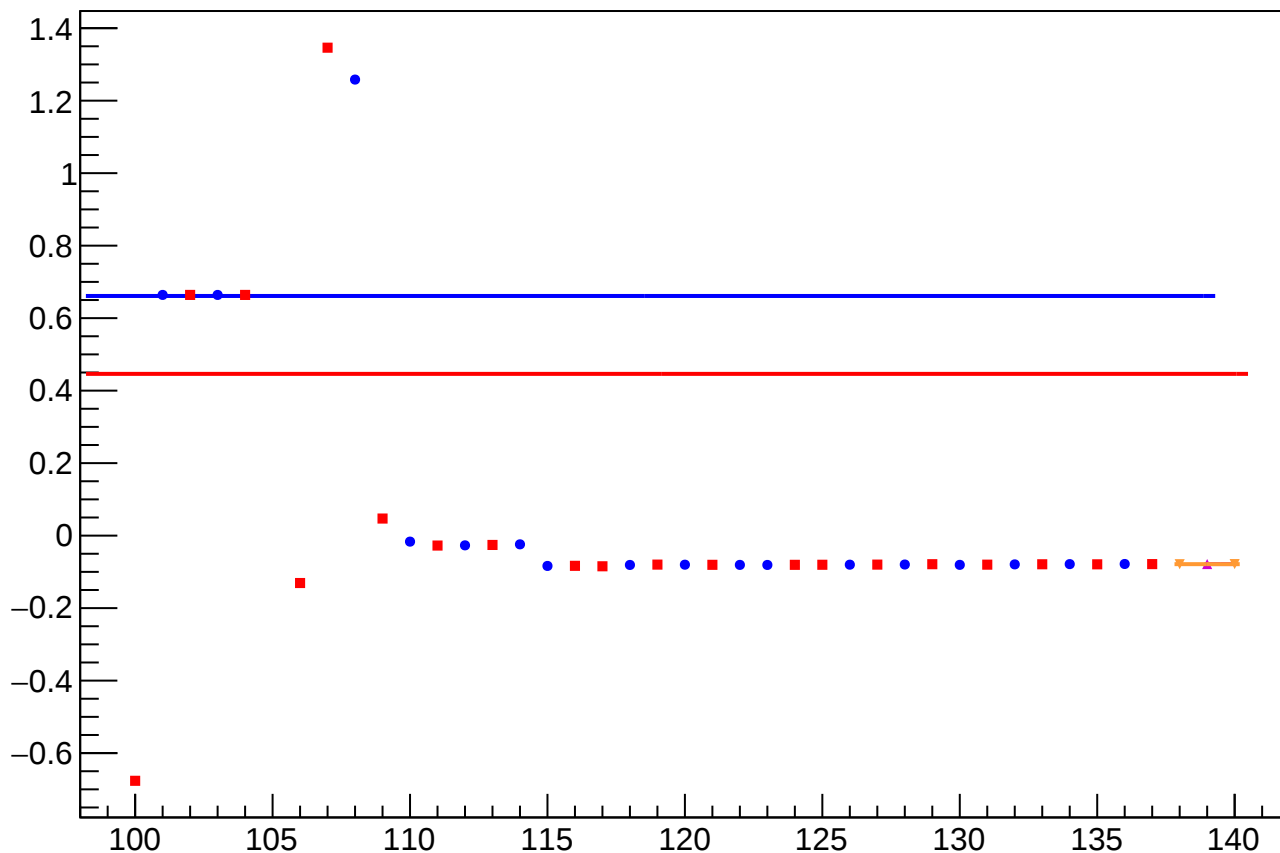
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.018+/-0.000 χ^2/NDF :0.0/0

0.000+/-0.000 χ^2/NDF : 10433416.3/18

0.000+/-0.000 χ^2/NDF : 10263712.9/20

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.079+/-0.000 χ^2/NDF : 96463.0/1

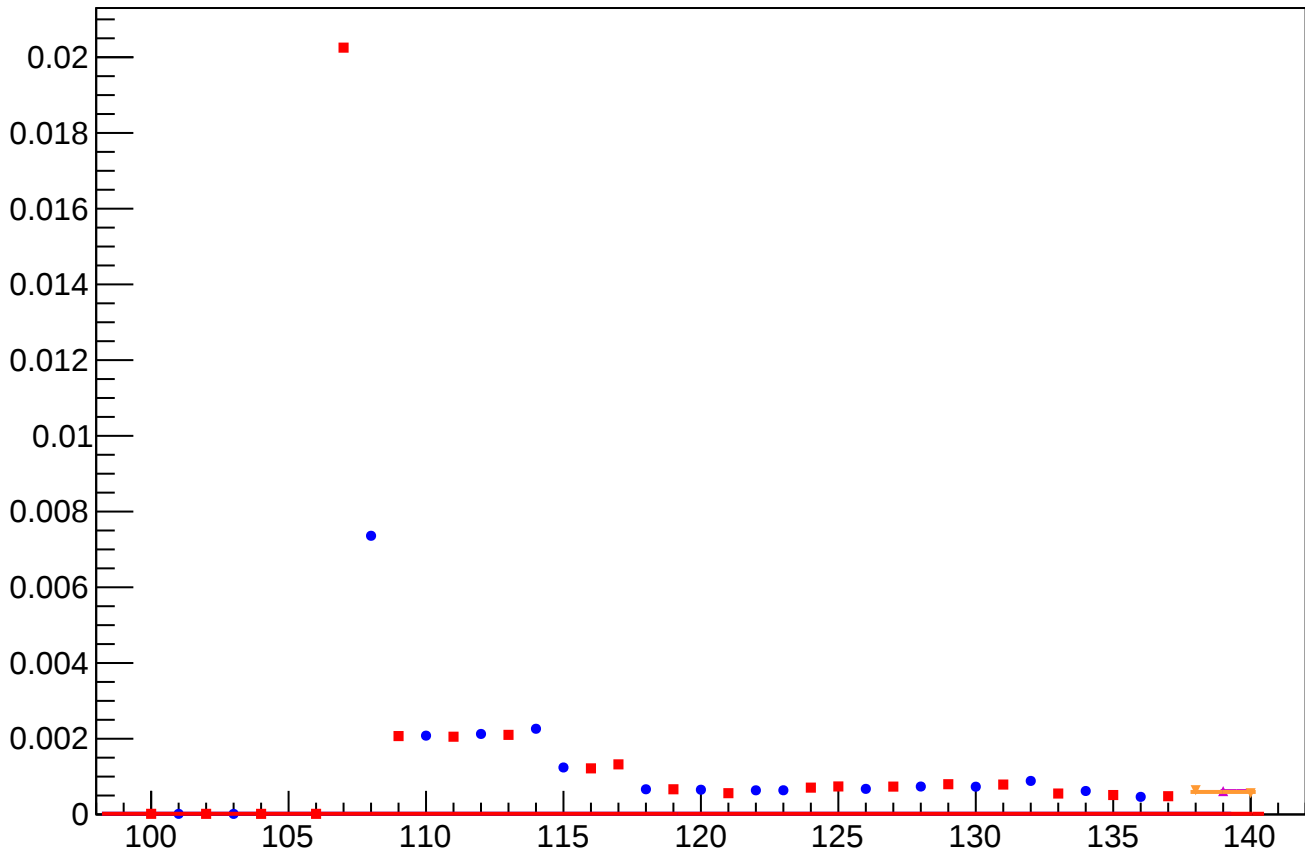
Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

Left In: -0.078+/-0.000 χ^2/NDF : 0.0/0

0.660+/-0.000 χ^2/NDF : 7814063059593.4/18

0.446+/-0.000 χ^2/NDF : 405930246226252.9/20

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF :12342.3/1

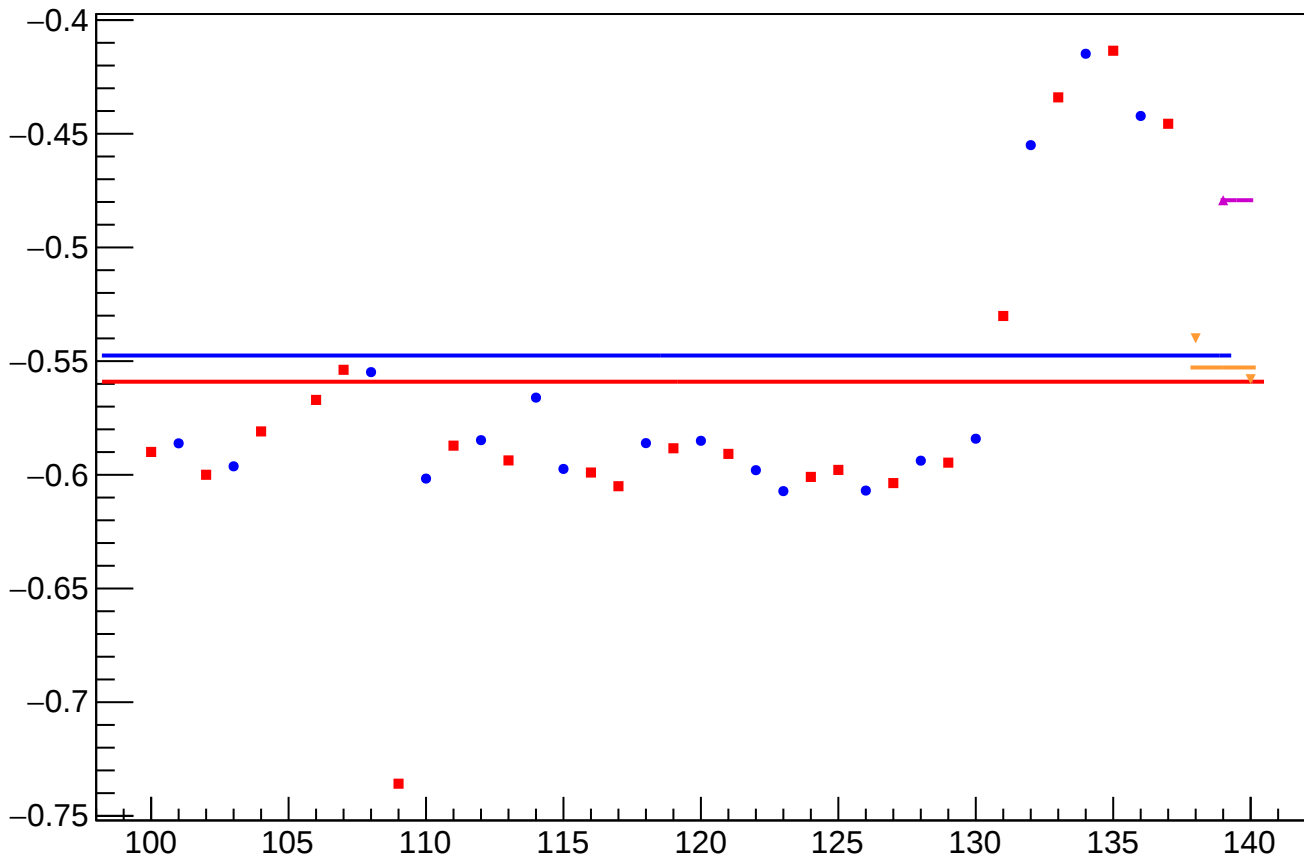
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF :0.0/0

0.000+/-0.000 χ^2/NDF : 12561212.3/18

0.000+/-0.000 χ^2/NDF : 10875244.2/20

yield_bpm4aX_mean vs Slug



Right In: -0.548 $\pm$ 0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.553 $\pm$ 0.000 χ^2/NDF : 172405.9/1

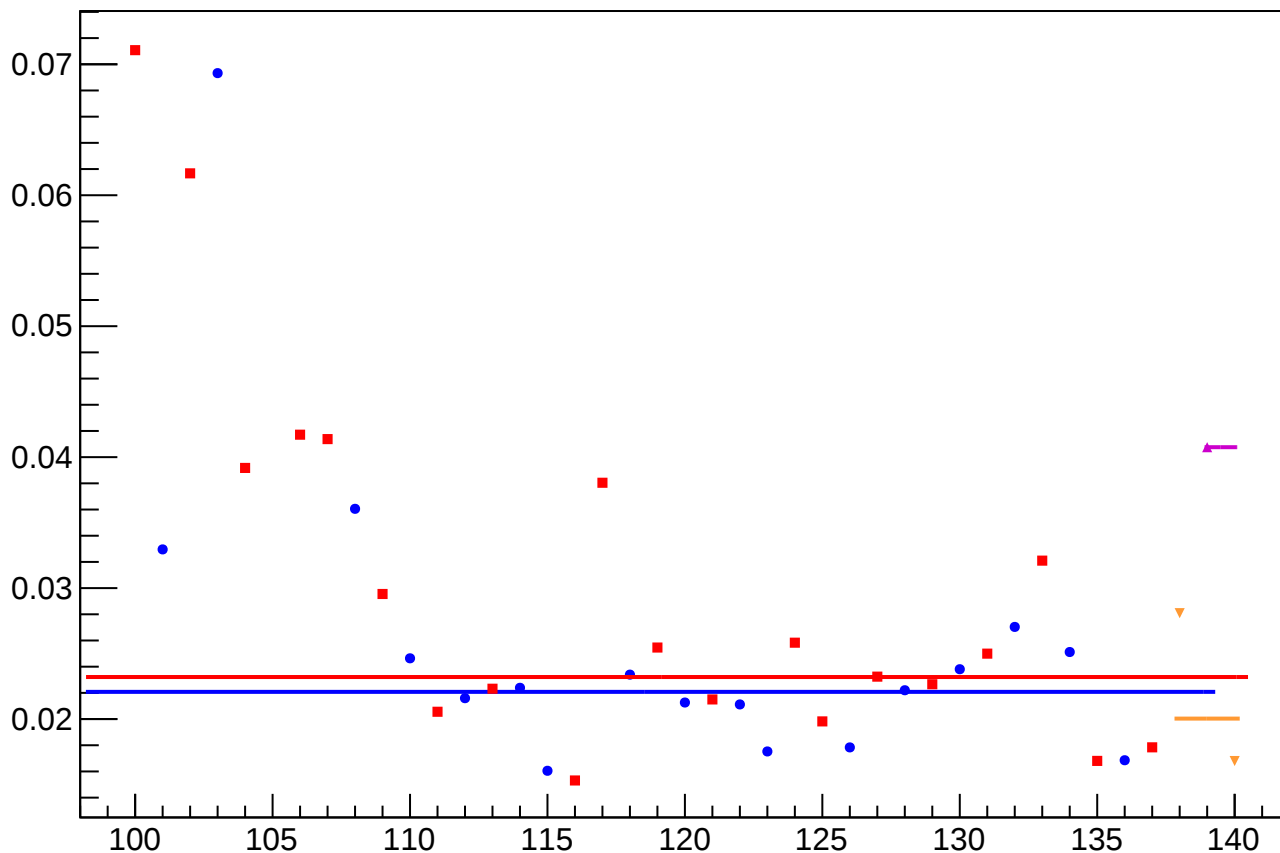
Right Out: -0.559 $\pm$ 0.000 χ^2/NDF : 65389755.0/19

Left In: -0.479 $\pm$ 0.000 χ^2/NDF : 0.0/0

-0.549 $\pm$ 0.000 χ^2/NDF : 48775396.8/18

-0.556 $\pm$ 0.000 χ^2/NDF : 68039263.9/20

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:136065.6/1

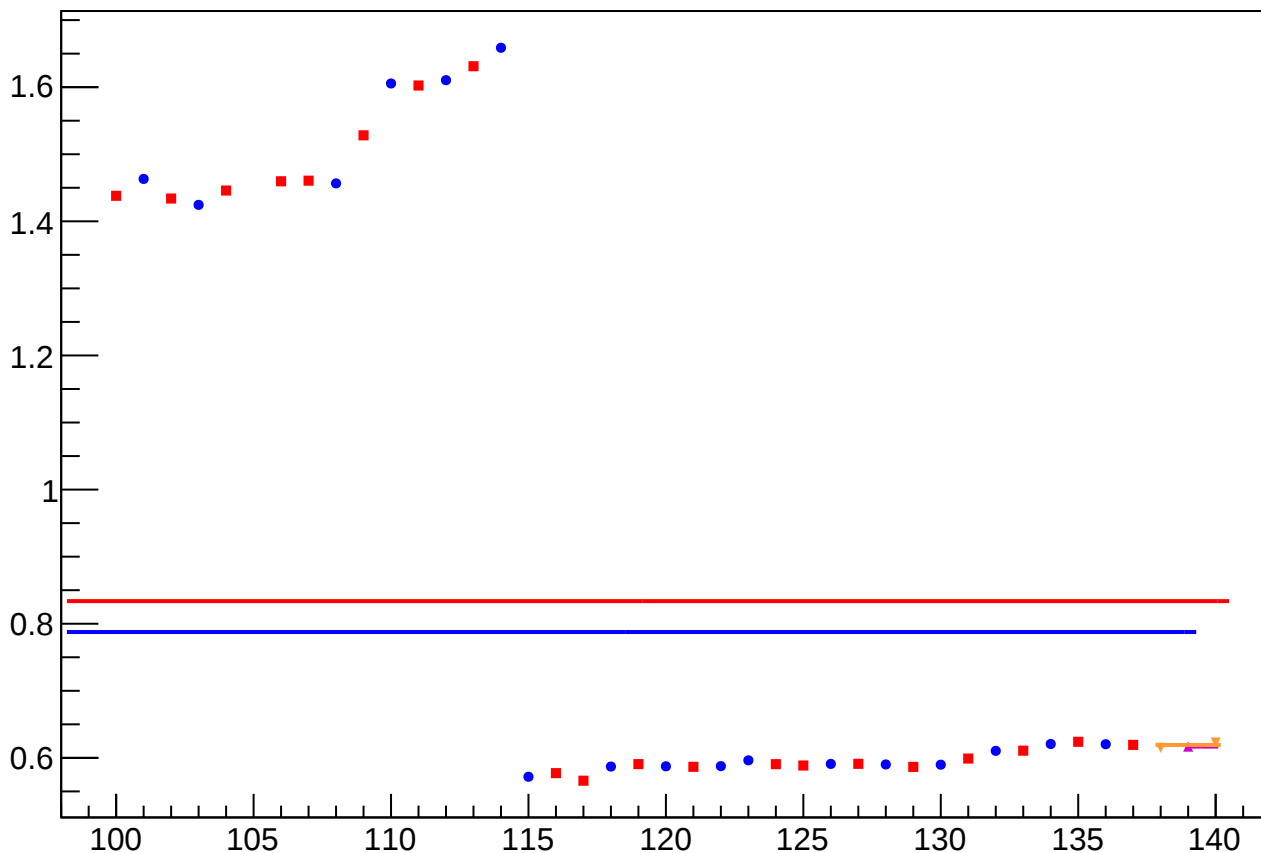
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1169013.8/19

Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.022 $\pm$ 0.000 χ^2 /NDF: 1108210.6/18

0.024 $\pm$ 0.000 χ^2 /NDF: 1425175.9/20

yield_bpm4aY_mean vs Slug



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.619+/-0.000 χ^2/NDF : 168503.5/1

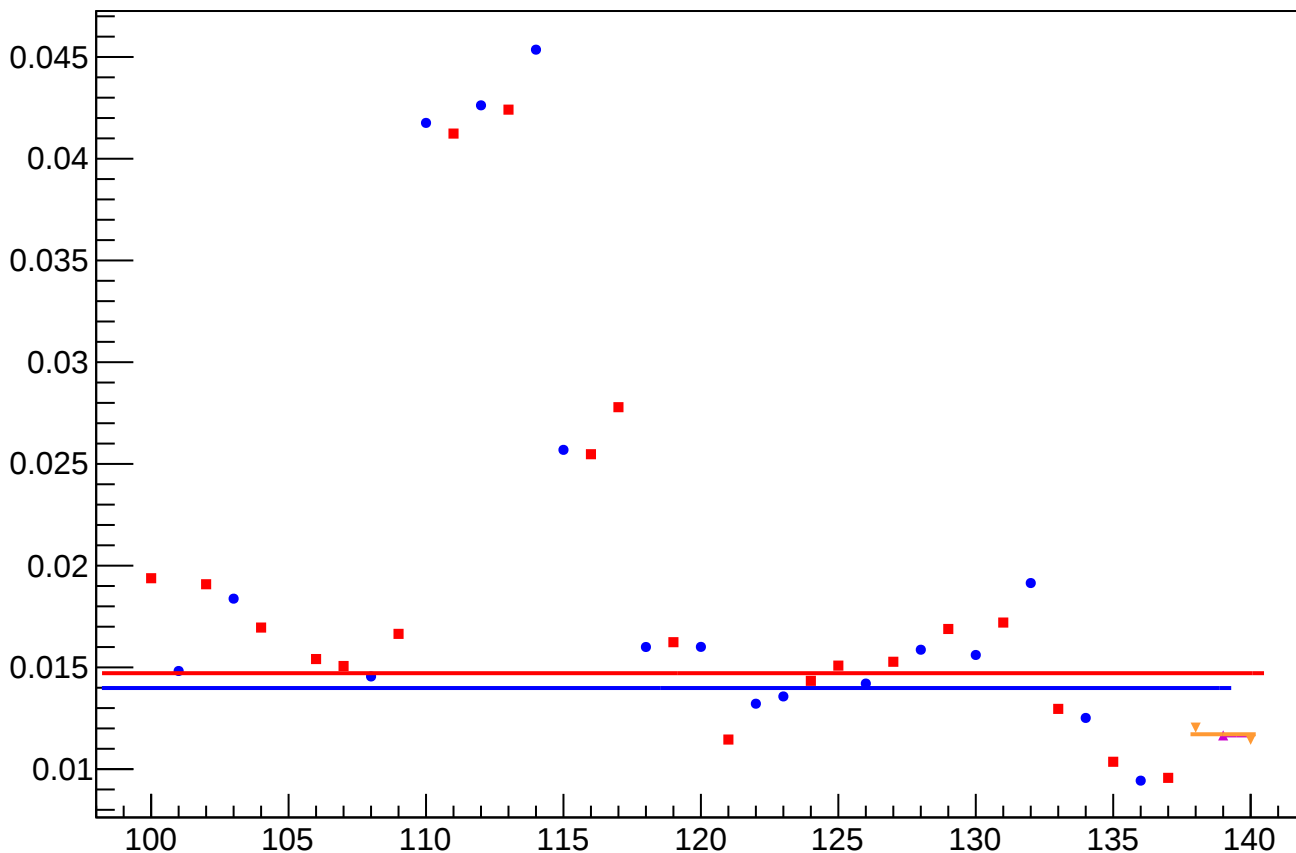
Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

Left In: 0.617+/-0.000 χ^2/NDF : 0.0/0

0.742+/-0.000 χ^2/NDF : 3801103513.2/18

0.799+/-0.000 χ^2/NDF : 4363928686.6/20

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1882.1/1

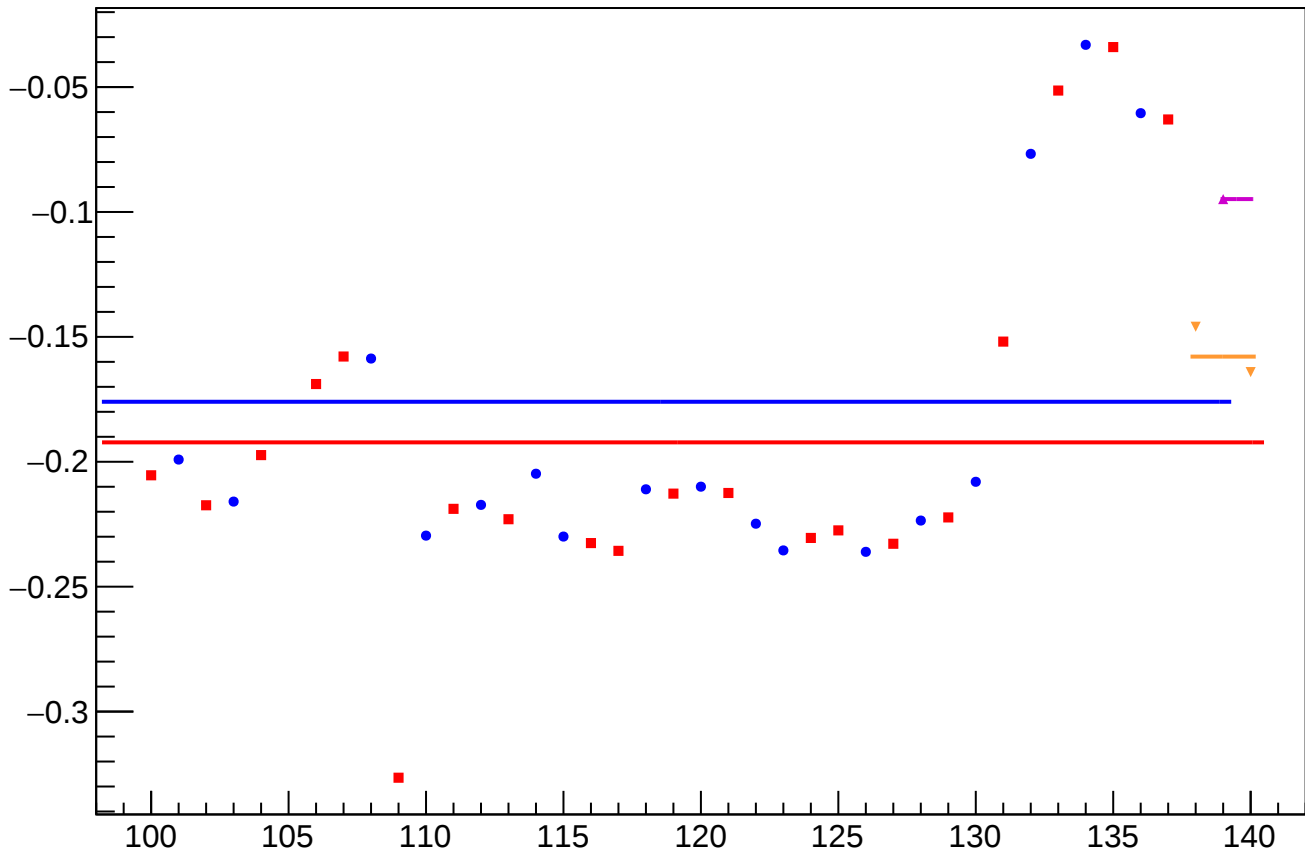
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.013 $\pm$ 0.000 χ^2 /NDF: 1480322.5/18

0.014 $\pm$ 0.000 χ^2 /NDF: 1358241.9/20

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.158+/-0.000 χ^2/NDF :177010.0/1

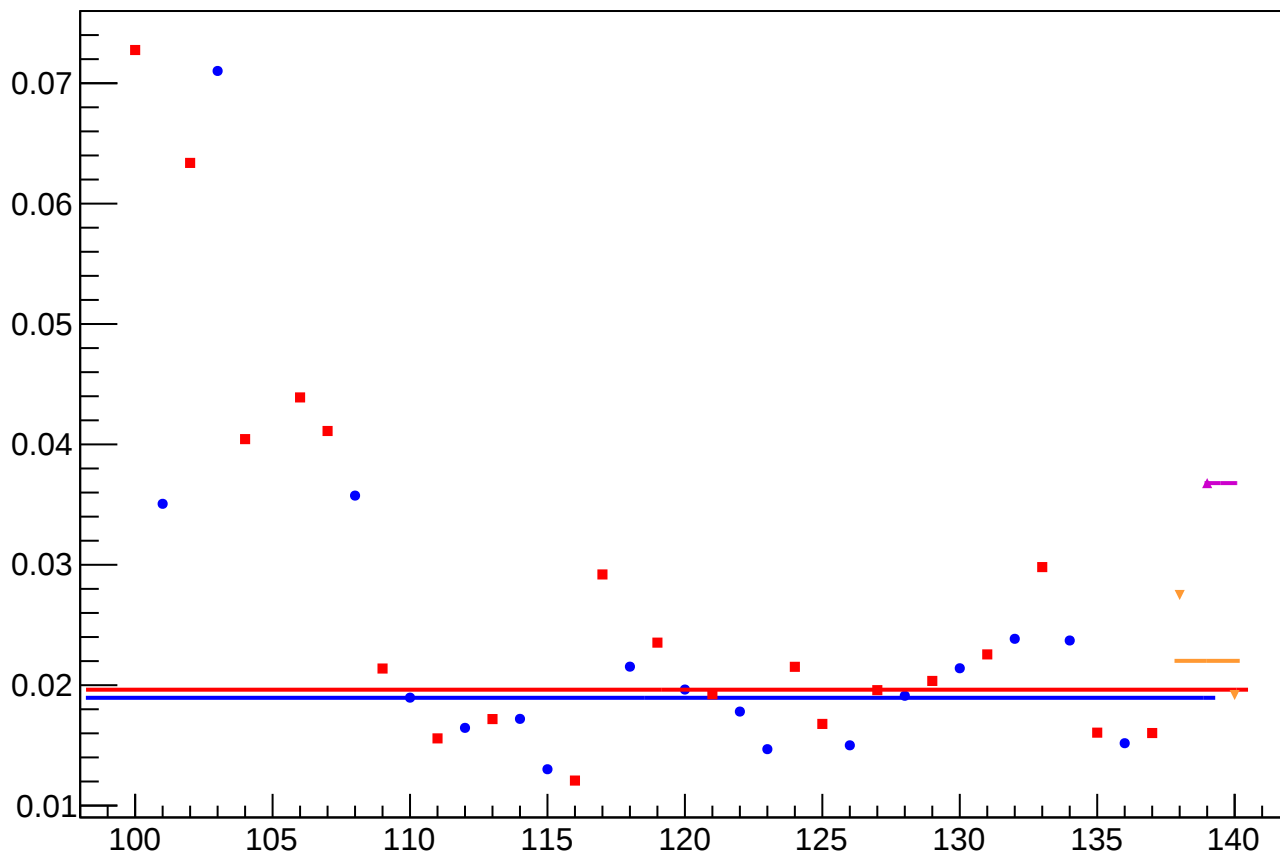
-0.173+/-0.000 χ^2/NDF : 70962950.5/18

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

-0.189+/-0.000 χ^2/NDF : 88198586.0/20

Left In: -0.095+/-0.000 χ^2/NDF :0.0/0

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.022+/-0.000 χ^2/NDF : 74139.0/1

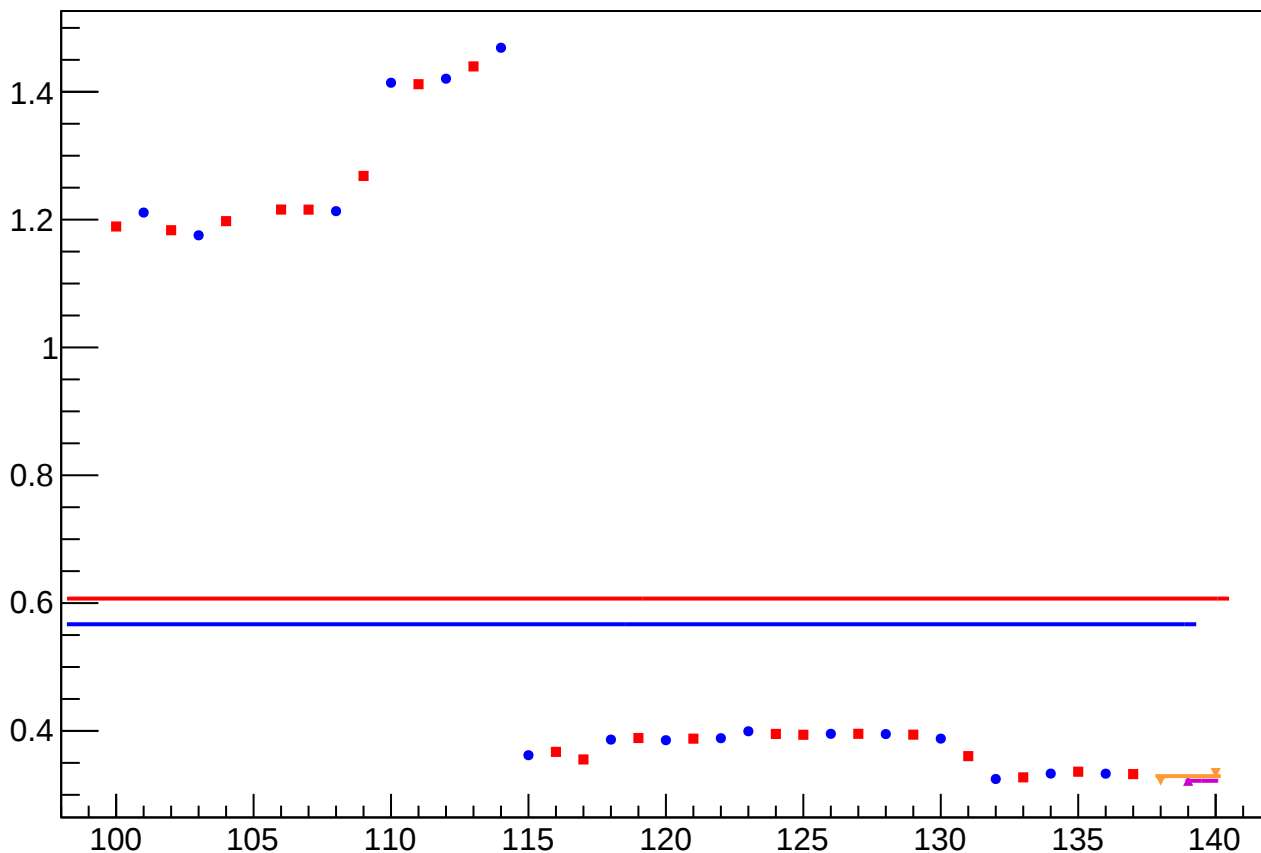
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.019+/-0.000 χ^2/NDF : 1315738.5/18

0.020+/-0.000 χ^2/NDF : 1765430.5/20

yield_bpm4eY_mean vs Slug



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.329+/-0.000 χ^2/NDF :330204.0/1

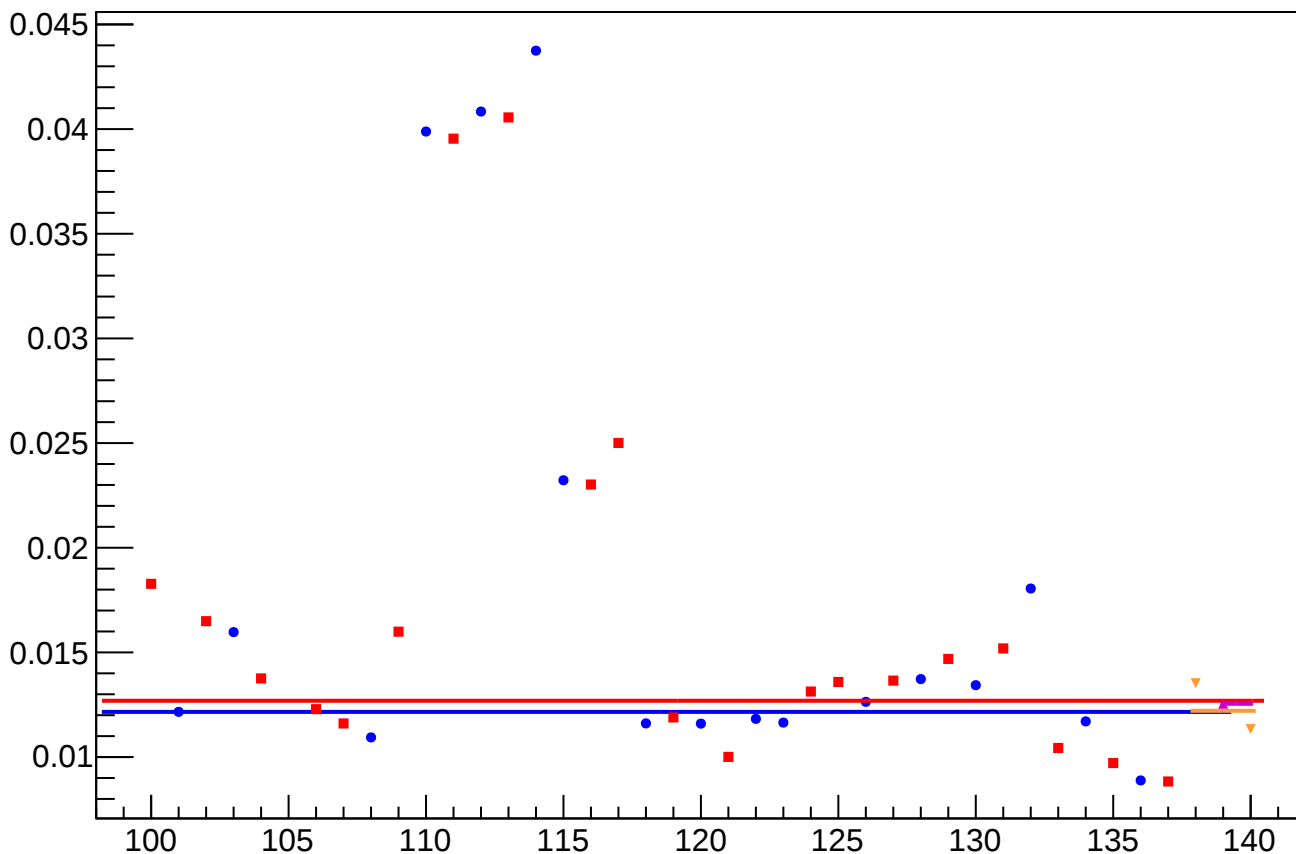
Right Out: 0.607+/-0.000 χ^2/NDF : 5509130775.3/19

Left In: 0.322+/-0.000 χ^2/NDF :0.0/0

0.519+/-0.000 χ^2/NDF : 5451559423.9/18

0.576+/-0.000 χ^2/NDF : 5834348273.7/20

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:22253.7/1

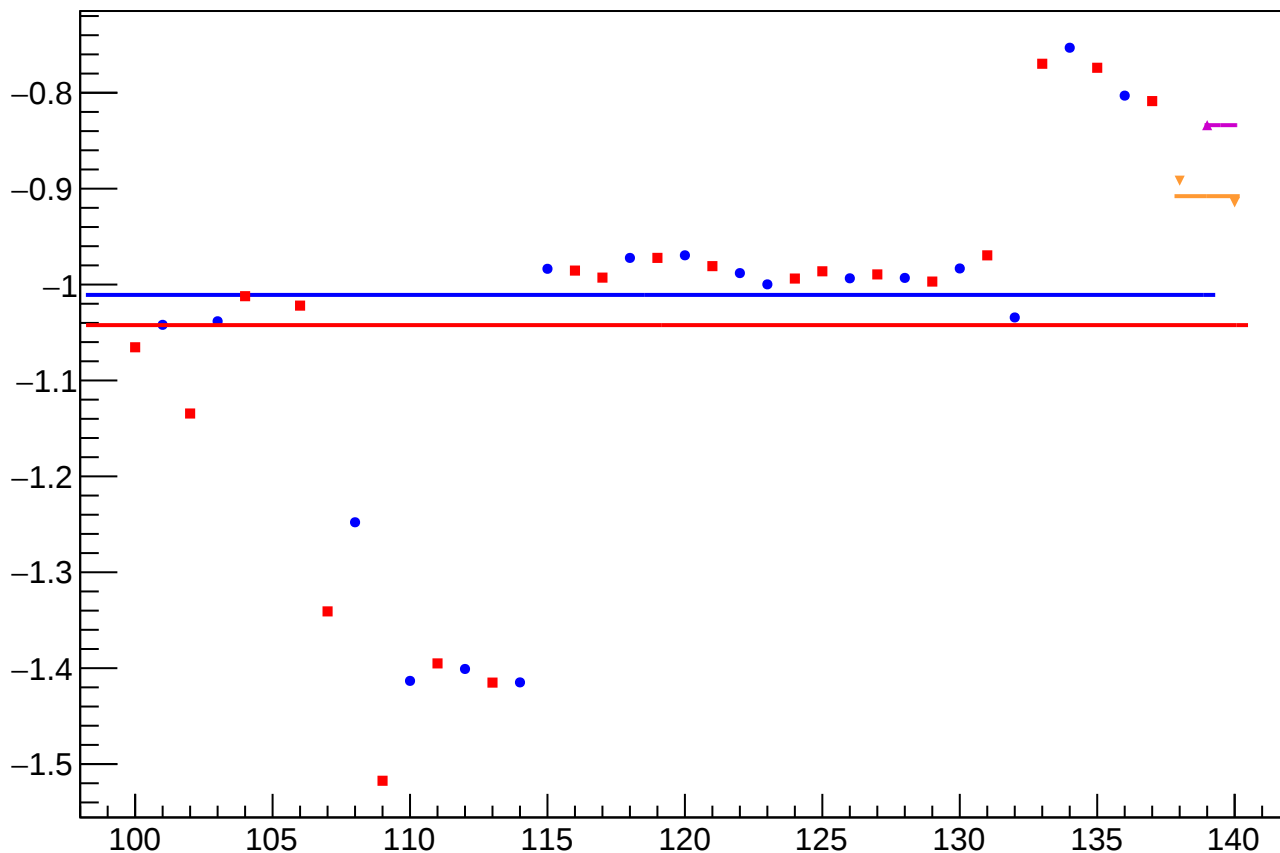
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.012 $\pm$ 0.000 χ^2 /NDF: 1330244.9/18

0.013 $\pm$ 0.000 χ^2 /NDF: 1286079.4/20

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.908+/-0.000 χ^2/NDF : 287841.1/1

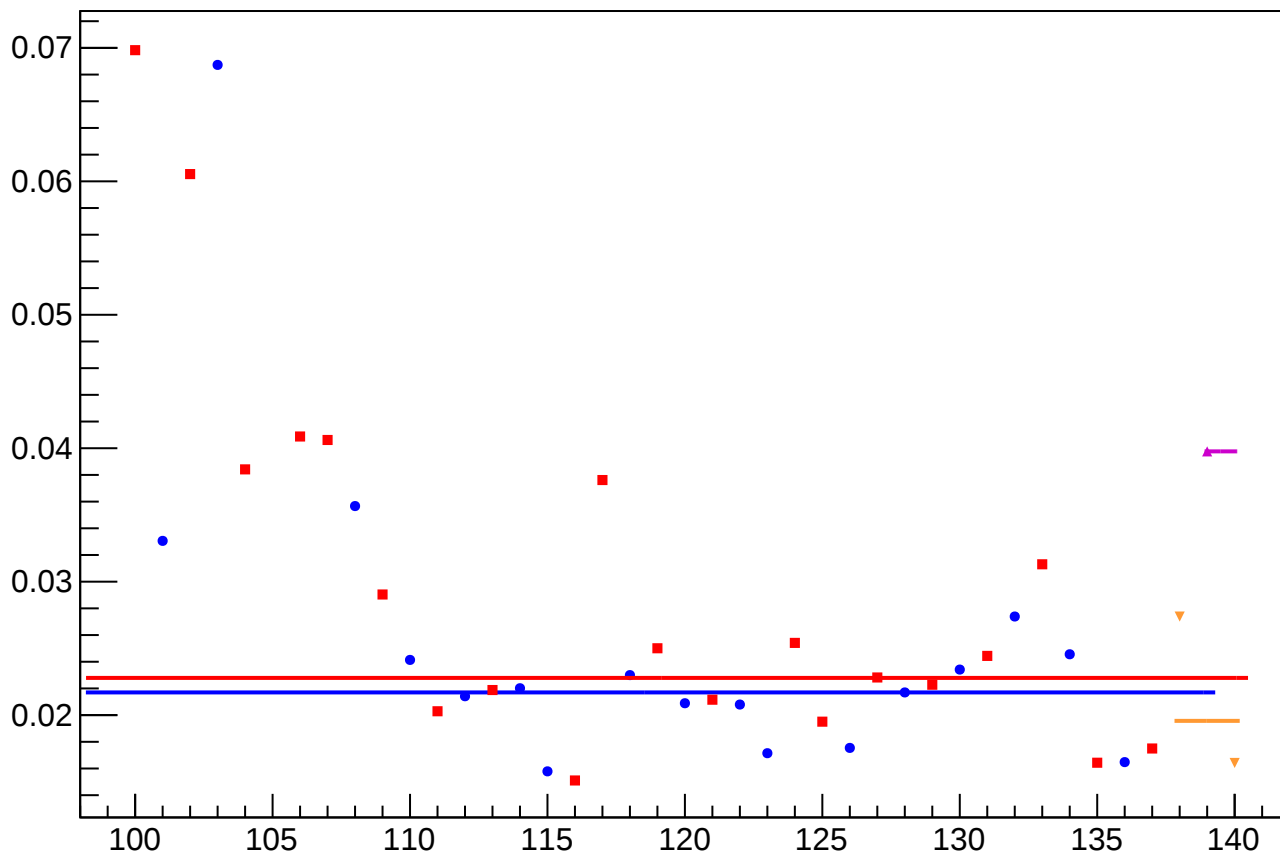
Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

Left In: -0.834+/-0.000 χ^2/NDF : 0.0/0

-0.990+/-0.000 χ^2/NDF : 410533185.9/18

-1.033+/-0.000 χ^2/NDF : 548010051.9/20

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 134967.1/1

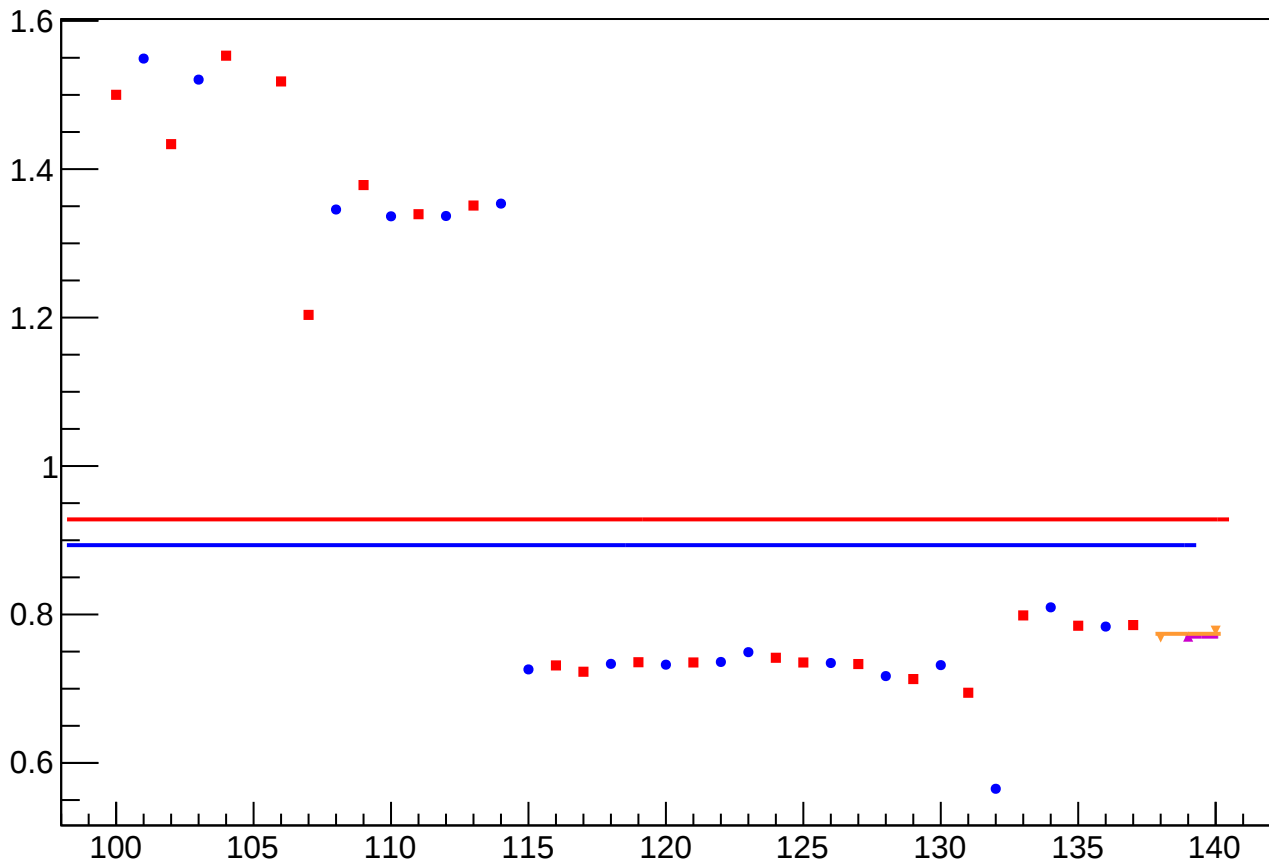
Right Out: 0.023 ± 0.000 χ^2/NDF : 1164870.4/19

Left In: 0.040 ± 0.000 χ^2/NDF : 0.0/0

0.021 ± 0.000 χ^2/NDF : 1134062.2/18

0.024 ± 0.000 χ^2/NDF : 1416538.7/20

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.774+/-0.000 χ^2/NDF :222928.7/1

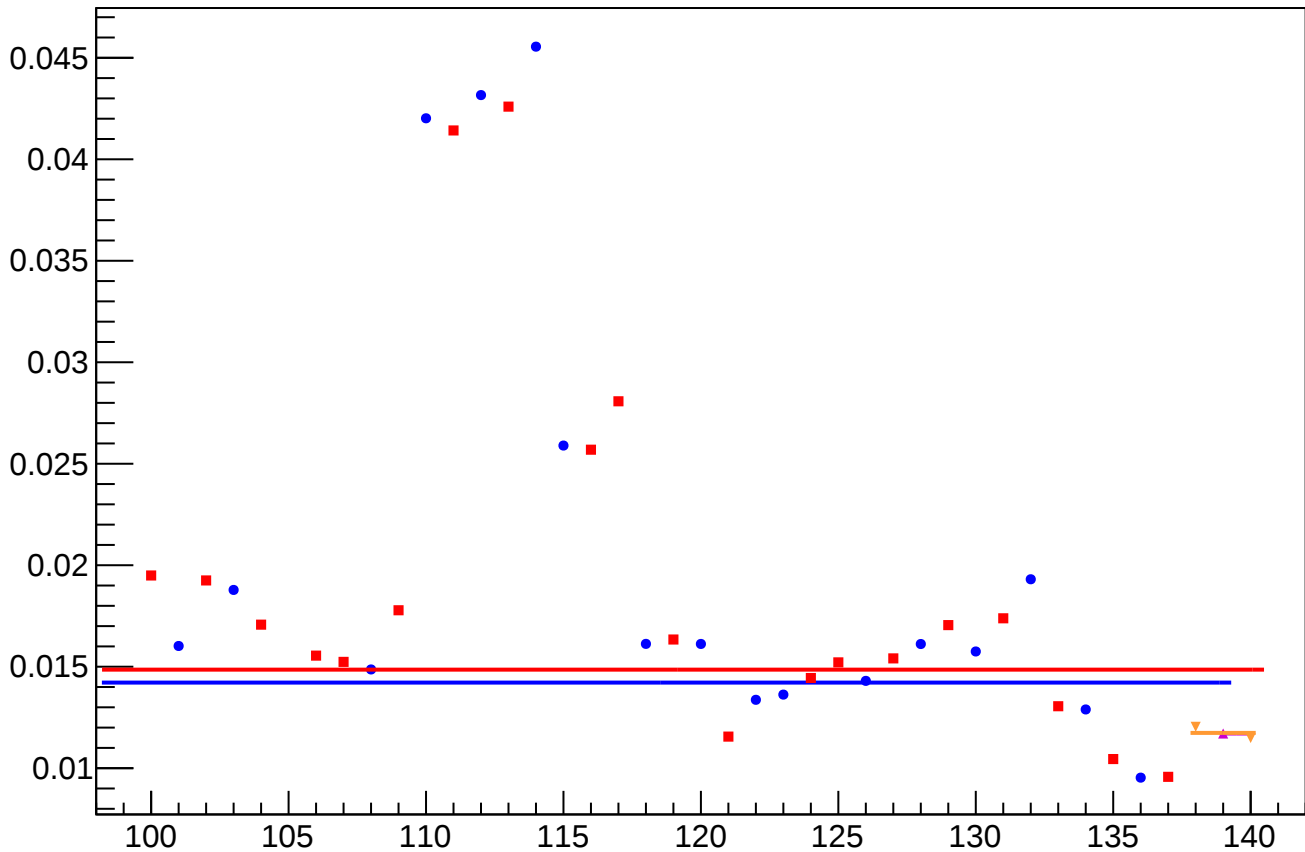
0.860+/-0.000 χ^2/NDF : 2517233136.9/18

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.903+/-0.000 χ^2/NDF : 2546869436.5/20

Left In: 0.770+/-0.000 χ^2/NDF :0.0/0

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012+/-0.000 χ^2/NDF :1602.1/1

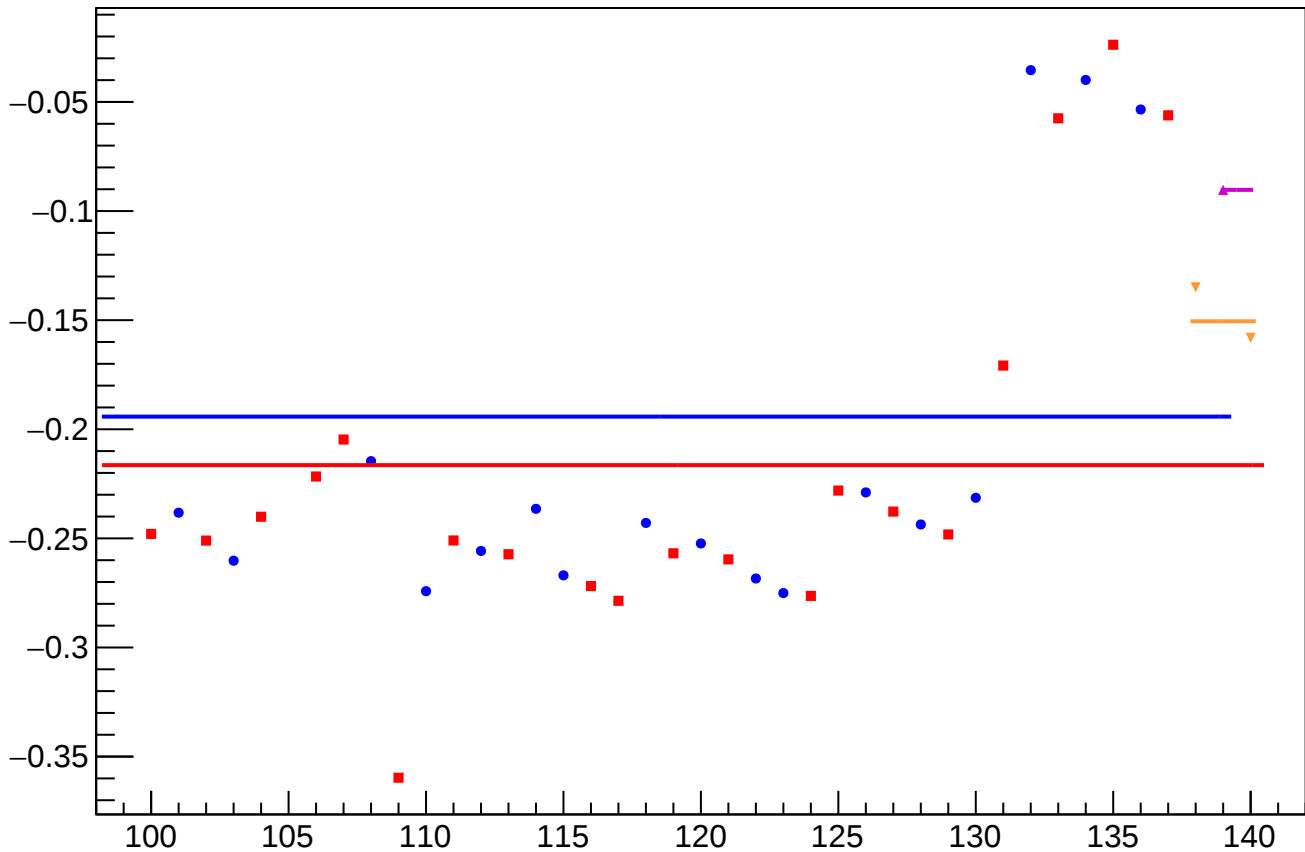
Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

Left In: 0.012+/-0.000 χ^2/NDF :0.0/0

0.014+/-0.000 χ^2/NDF : 1505072.0/18

0.014+/-0.000 χ^2/NDF : 1373188.1/20

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.151+/-0.000 χ^2/NDF : 310976.3/1

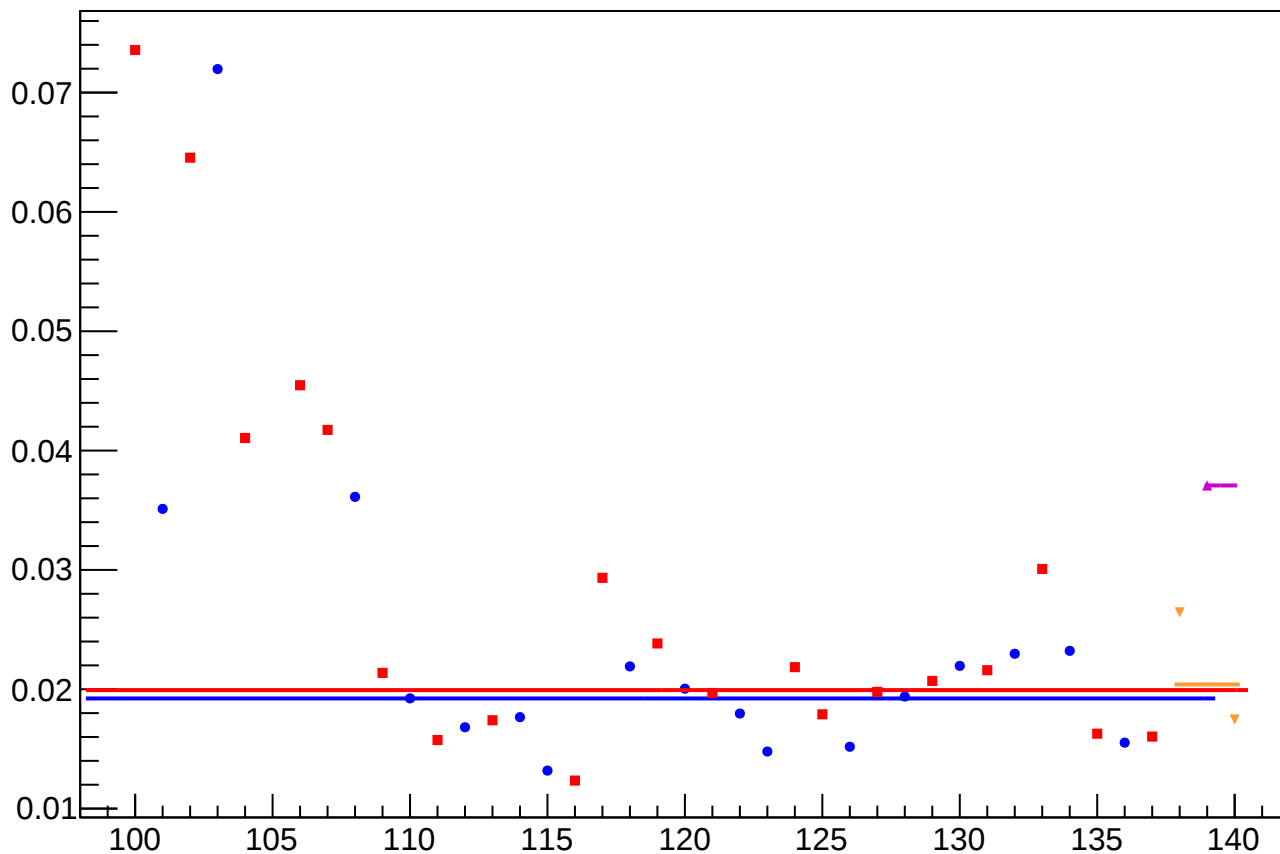
-0.187+/-0.000 χ^2/NDF : 112937969.2/18

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

-0.212+/-0.000 χ^2/NDF : 119220675.0/20

Left In: -0.090+/-0.000 χ^2/NDF : 0.0/0

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.020+/-0.000 χ^2/NDF : 93546.0/1

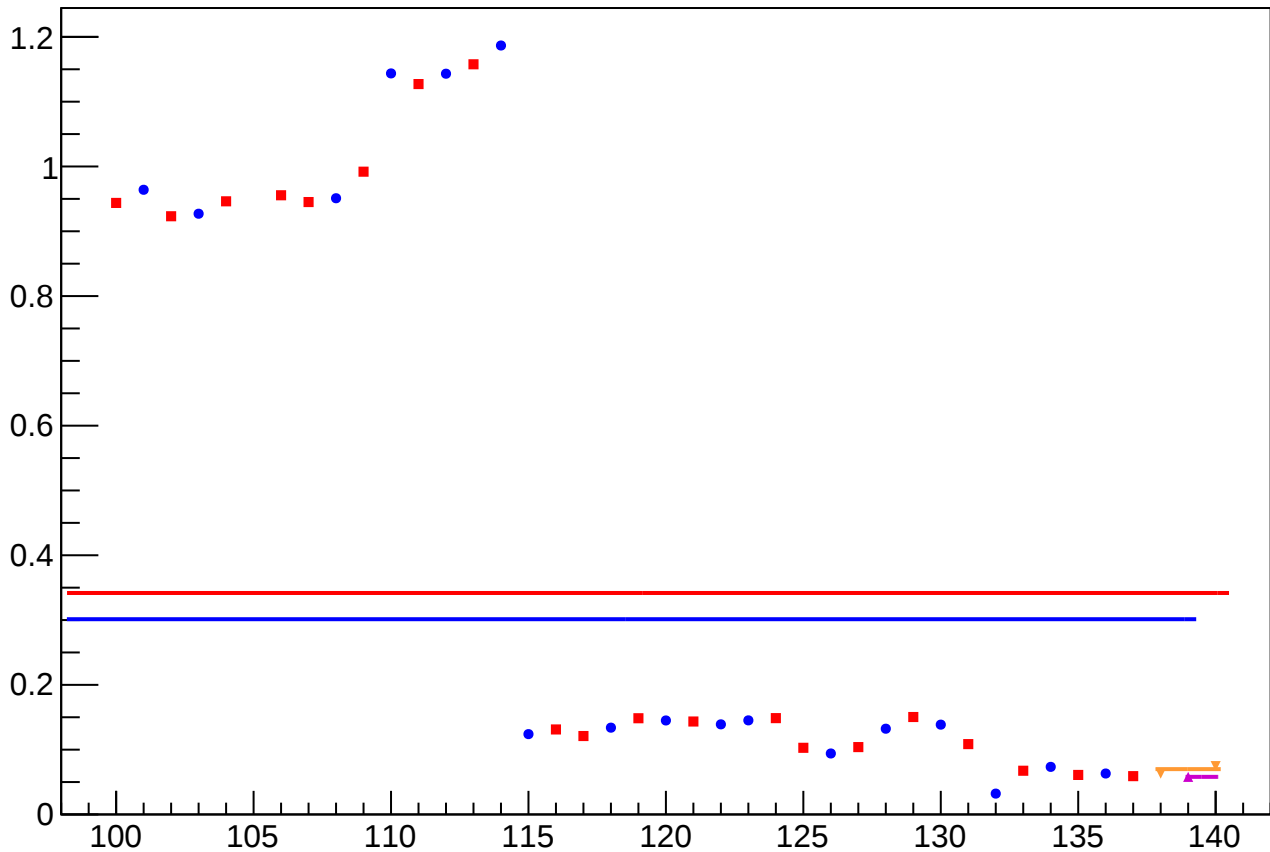
Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

Left In: 0.037+/-0.000 χ^2/NDF : 0.0/0

0.019+/-0.000 χ^2/NDF : 1274201.7/18

0.021+/-0.000 χ^2/NDF : 1748468.6/20

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.070+/-0.000 χ^2/NDF : 345099.5/1

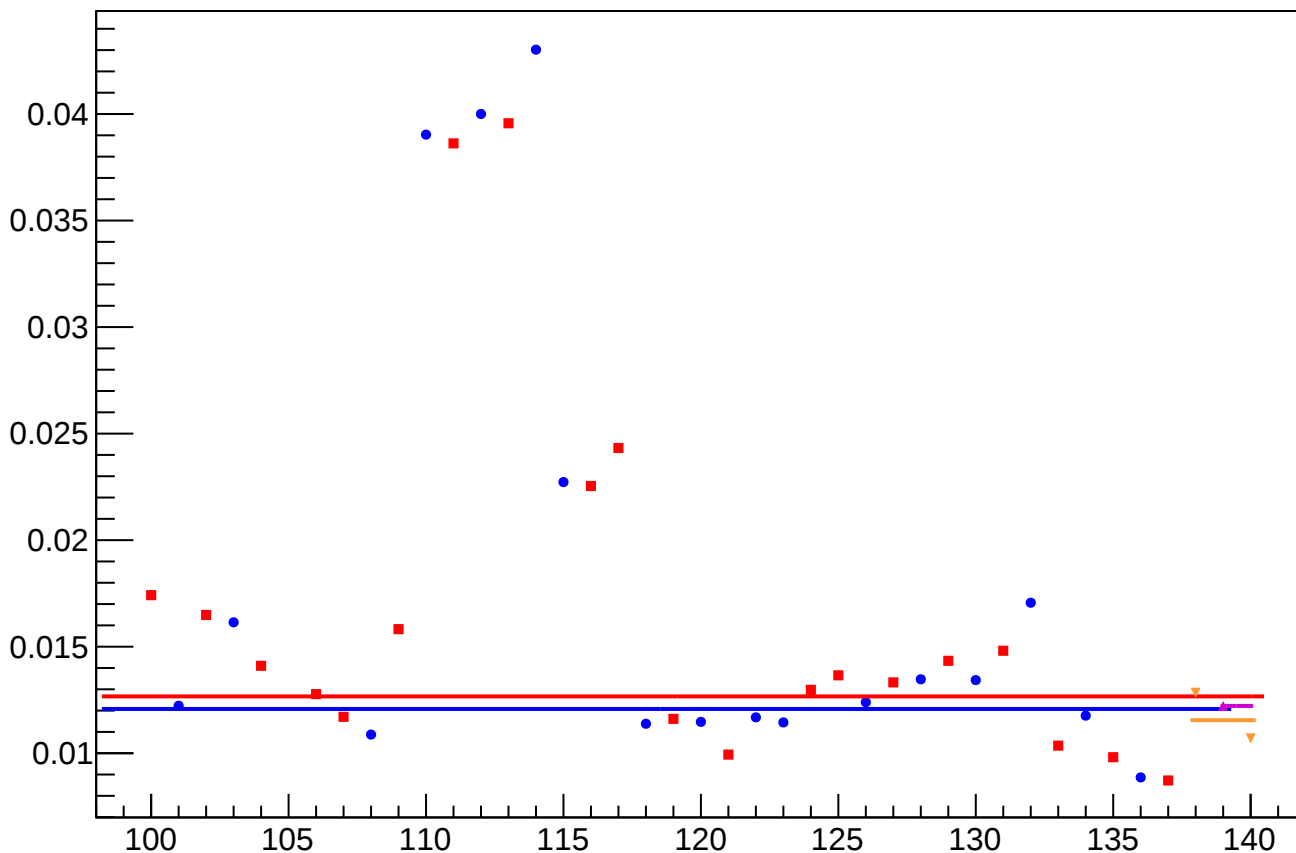
0.251+/-0.000 χ^2/NDF : 5604140806.0/18

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.310+/-0.000 χ^2/NDF : 5783139299.0/20

Left In: 0.058+/-0.000 χ^2/NDF : 0.0/0

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.012+/-0.000 χ^2/NDF : 23581.5/1

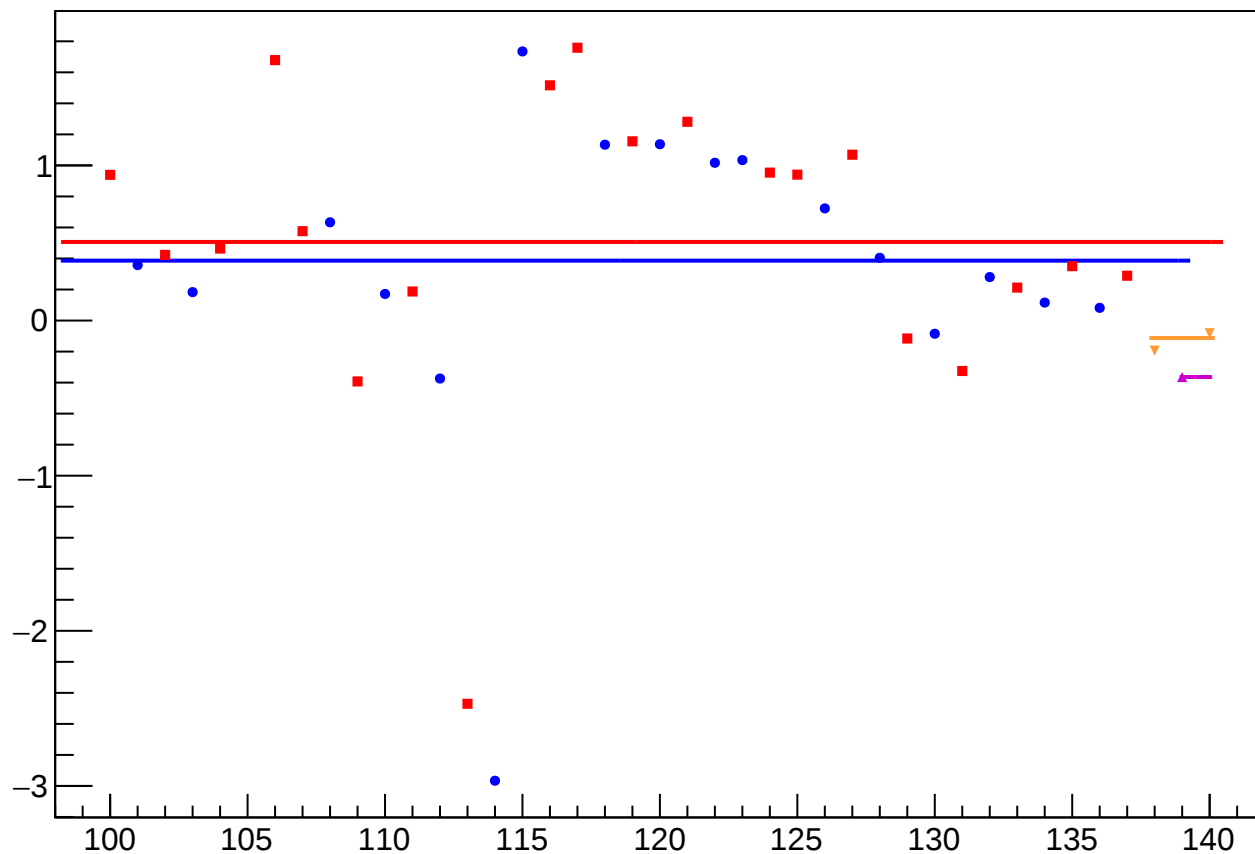
Right Out: 0.013+/-0.000 χ^2/NDF : 1253755.7/19

Left In: 0.012+/-0.000 χ^2/NDF : 0.0/0

0.012+/-0.000 χ^2/NDF : 1308552.8/18

0.013+/-0.000 χ^2/NDF : 1255441.9/20

yield_bpm1X_mean vs Slug



Right In: 0.386 ± 0.000 χ^2/NDF : 246380221.7/16

Left Out: -0.112 ± 0.000 χ^2/NDF : 281432.2/1

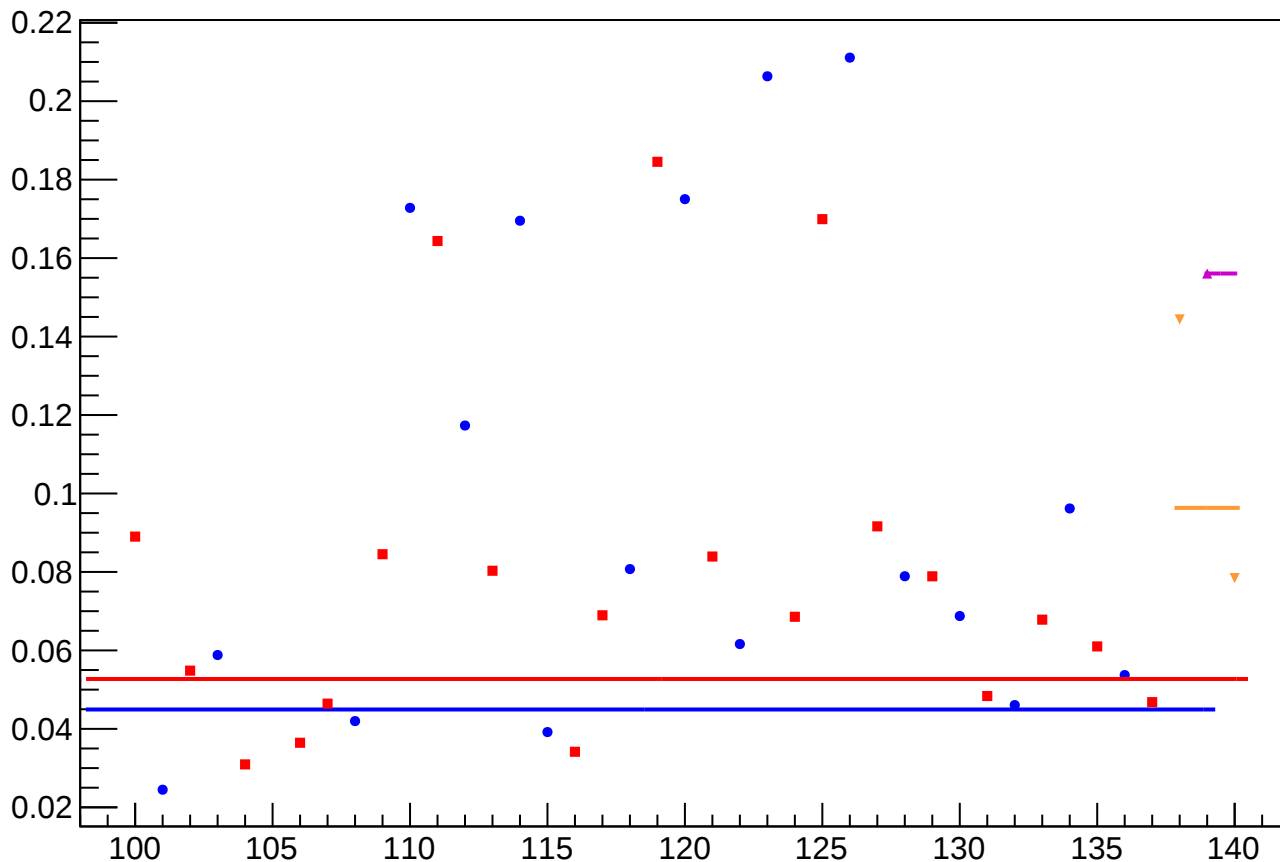
Right Out: 0.507 ± 0.000 χ^2/NDF : 995373603.6/19

Left In: -0.364 ± 0.000 χ^2/NDF : 0.0/0

0.356 ± 0.000 χ^2/NDF : 273193937.7/18

0.492 ± 0.000 χ^2/NDF : 1014691742.2/20

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2788348.6/16

Left Out: 0.096 $\pm$ 0.000 χ^2 /NDF:195496.1/1

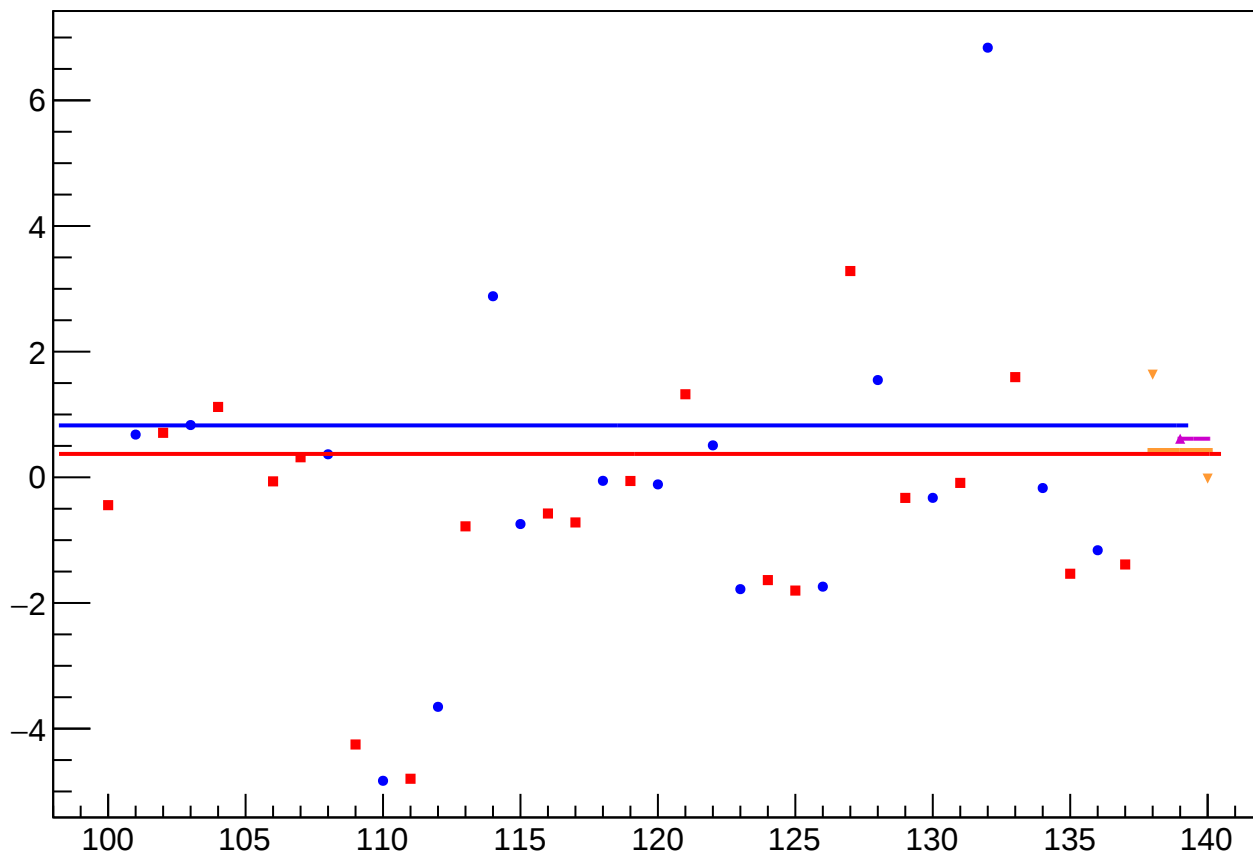
Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2195781.8/19

Left In: 0.156 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.048 $\pm$ 0.000 χ^2 /NDF: 3547839.1/18

0.054 $\pm$ 0.000 χ^2 /NDF: 2740293.3/20

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.435+/-0.000 χ^2/NDF :113353558.9/1

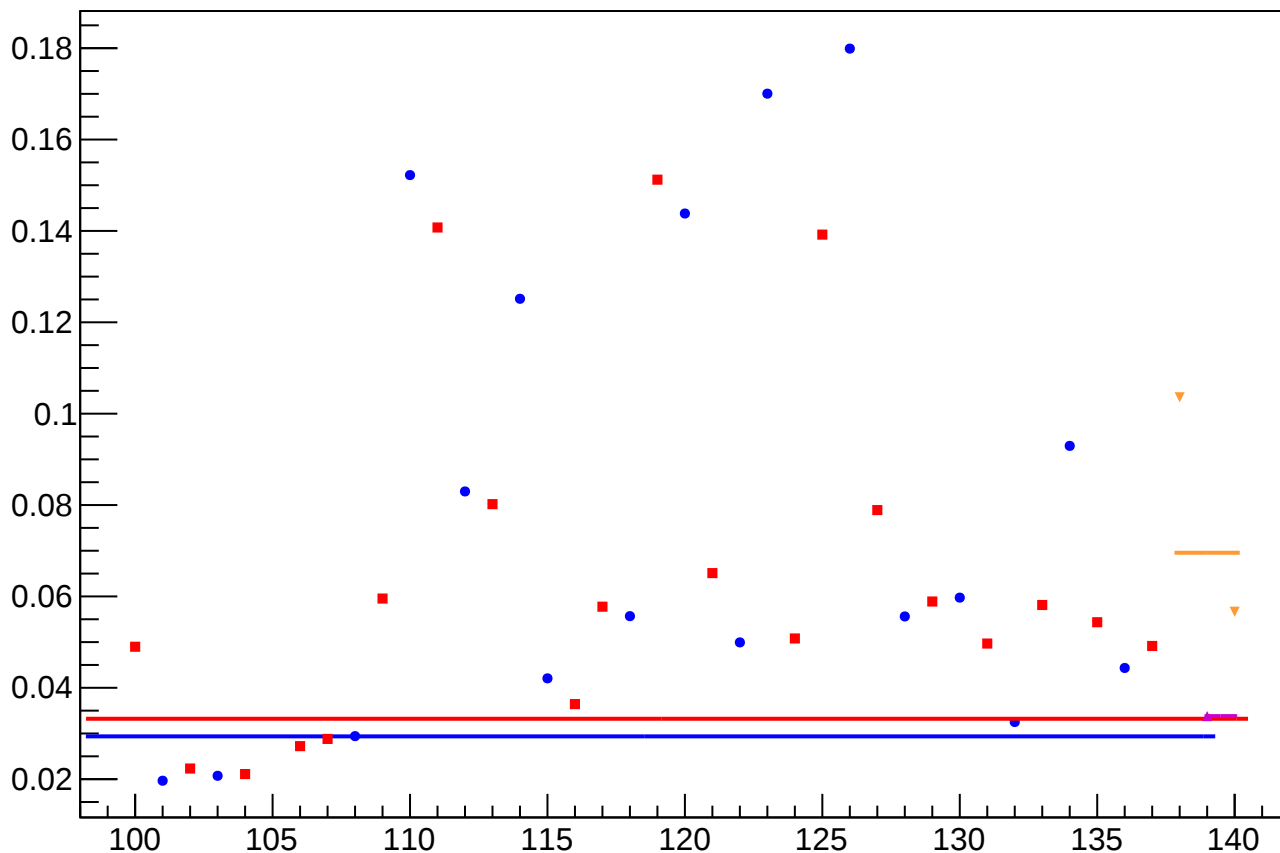
Right Out: 0.372+/-0.000 χ^2/NDF : 4960201861.0/19

Left In: 0.614+/-0.000 χ^2/NDF :0.0/0

0.806+/-0.000 χ^2/NDF : 11089039597.6/18

0.384+/-0.000 χ^2/NDF : 4970417743.6/20

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.070+/-0.000 χ^2/NDF : 182512.2/1

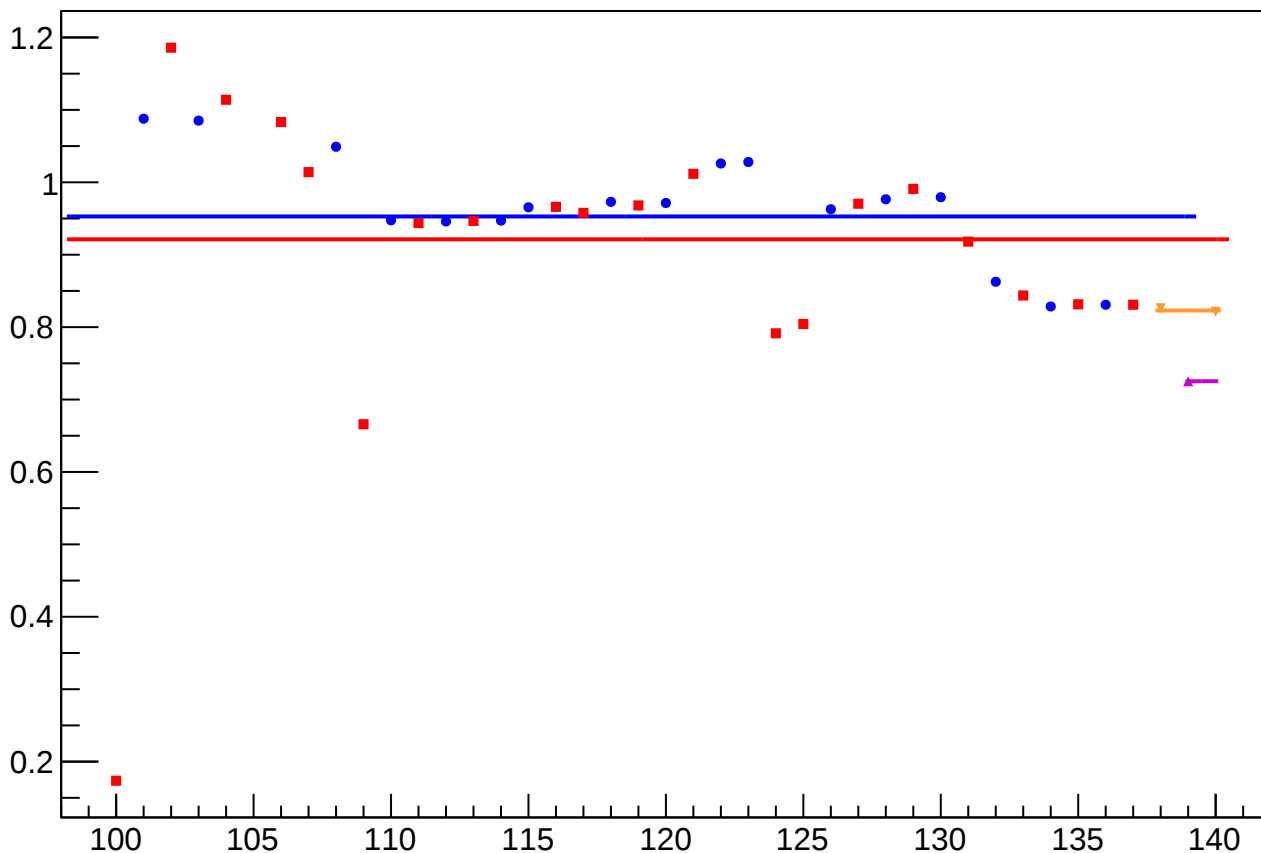
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.034+/-0.000 χ^2/NDF : 0.0/0

0.031+/-0.000 χ^2/NDF : 3807083.3/18

0.033+/-0.000 χ^2/NDF : 3112417.4/20

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.823+/-0.000 χ^2/NDF : 37293.2/1

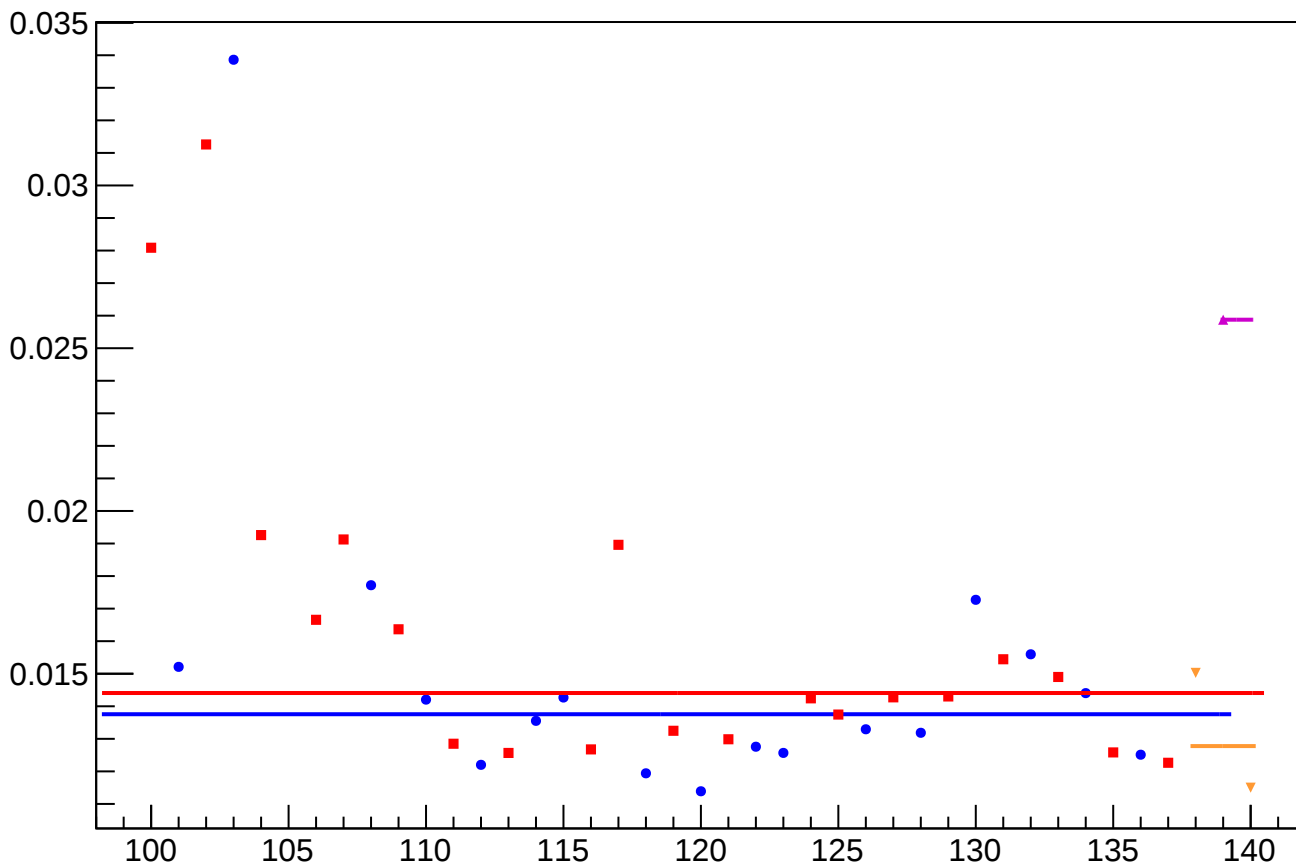
0.928+/-0.000 χ^2/NDF : 273738756.9/18

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

0.915+/-0.000 χ^2/NDF : 413058303.7/20

Left In: 0.725+/-0.000 χ^2/NDF : 0.0/0

yield_bpm11X_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013 ± 0.000 χ^2/NDF : 41281.1/1

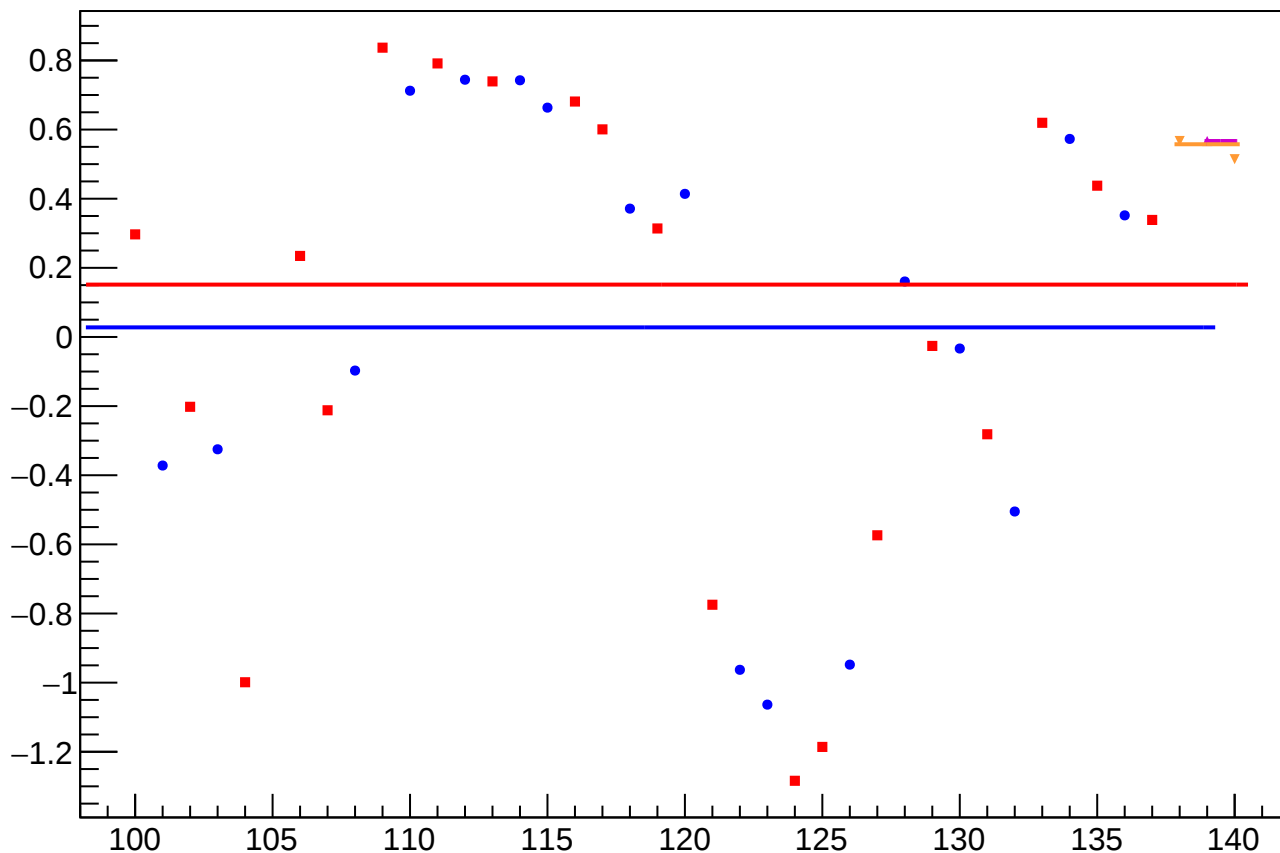
Right Out: 0.014 ± 0.000 χ^2/NDF : 508622.9/19

Left In: 0.026 ± 0.000 χ^2/NDF : 0.0/0

0.014 ± 0.000 χ^2/NDF : 590880.1/18

0.015 ± 0.000 χ^2/NDF : 774063.2/20

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 627695529.7/16

Left Out: 0.558 $\pm$ 0.000 χ^2 /NDF:8790840.7/1

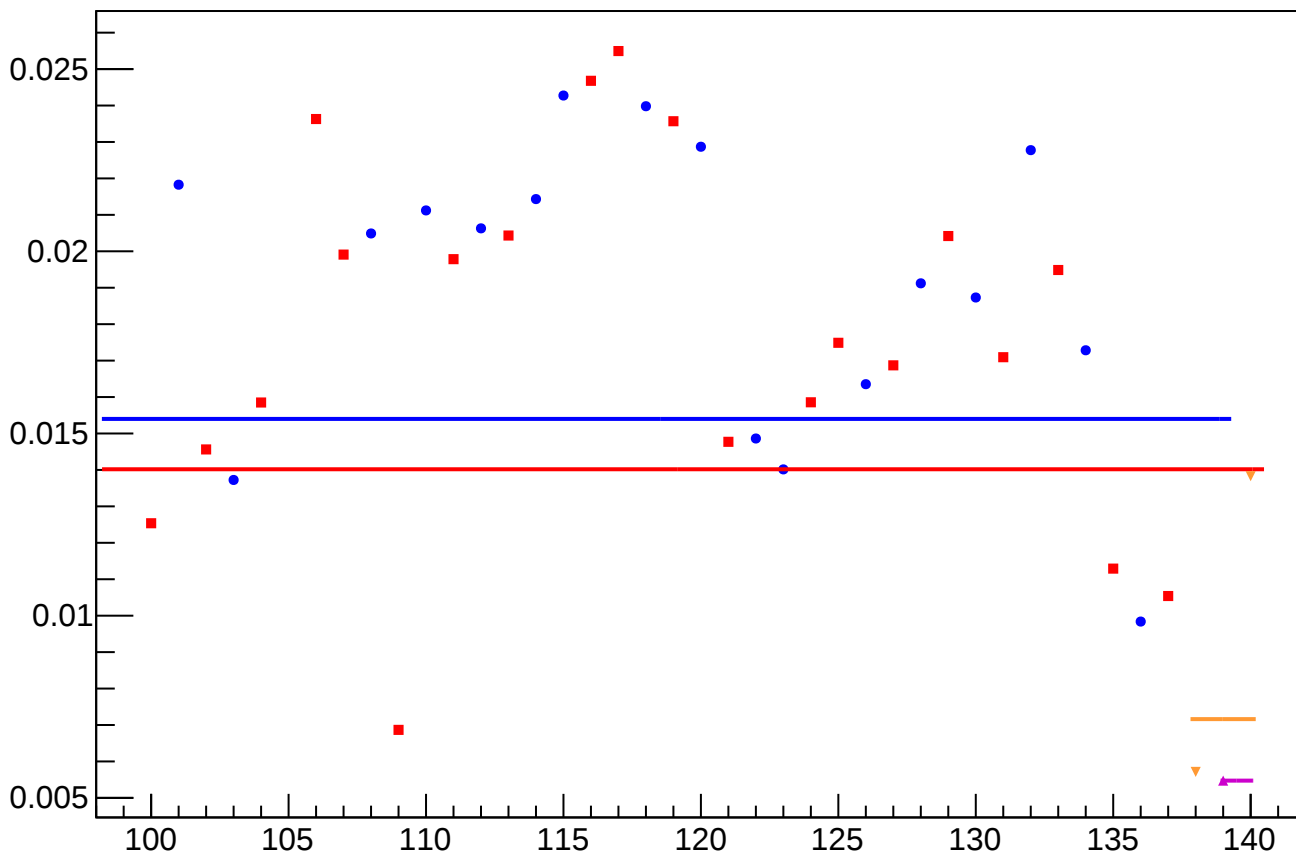
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

Left In: 0.567 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.281 $\pm$ 0.000 χ^2 /NDF: 9455979279.2/18

0.335 $\pm$ 0.000 χ^2 /NDF: 14842747285.4/20

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.007+/-0.000 χ^2/NDF :418284.1/1

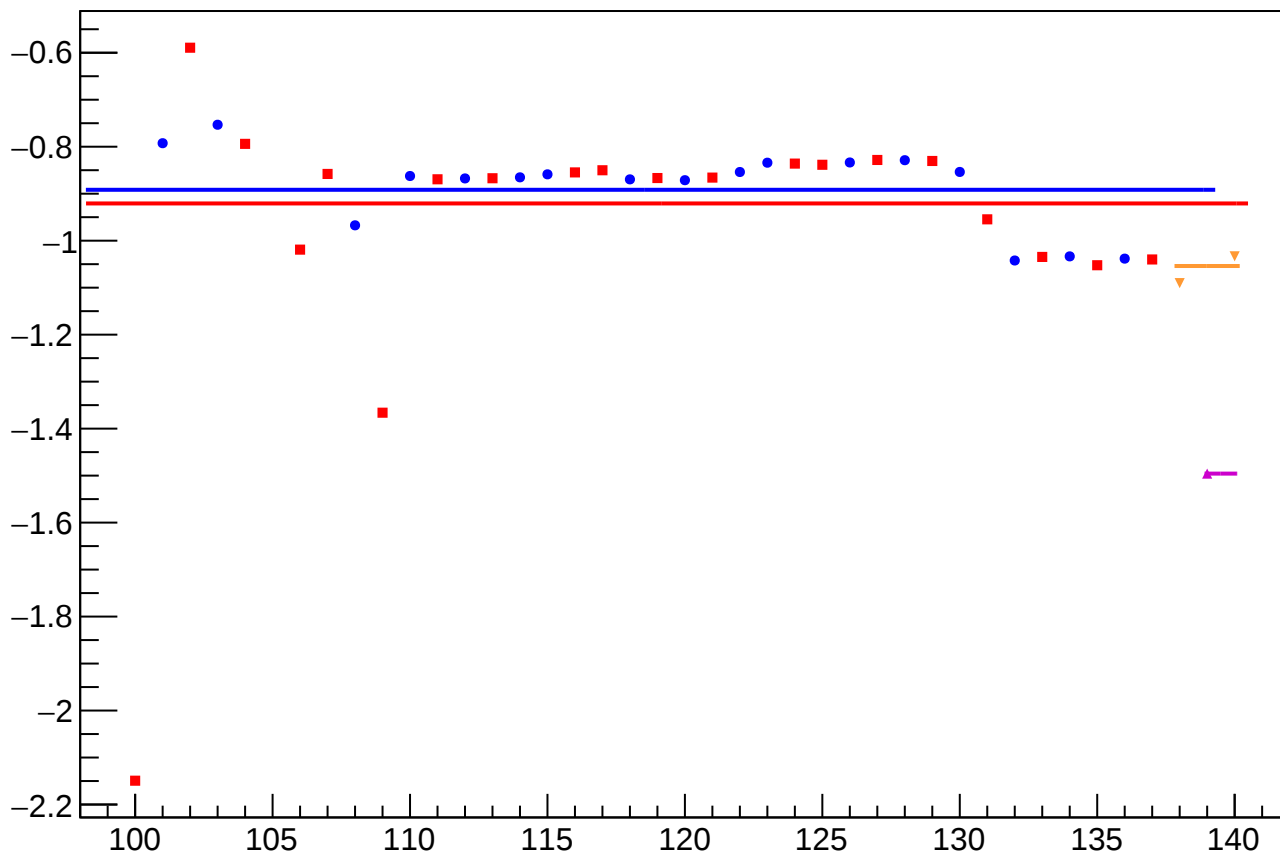
0.011+/-0.000 χ^2/NDF : 3093351.7/18

Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

0.010+/-0.000 χ^2/NDF : 3419162.8/20

Left In: 0.005+/-0.000 χ^2/NDF :0.0/0

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.054+/-0.000 χ^2/NDF : 832839.8/1

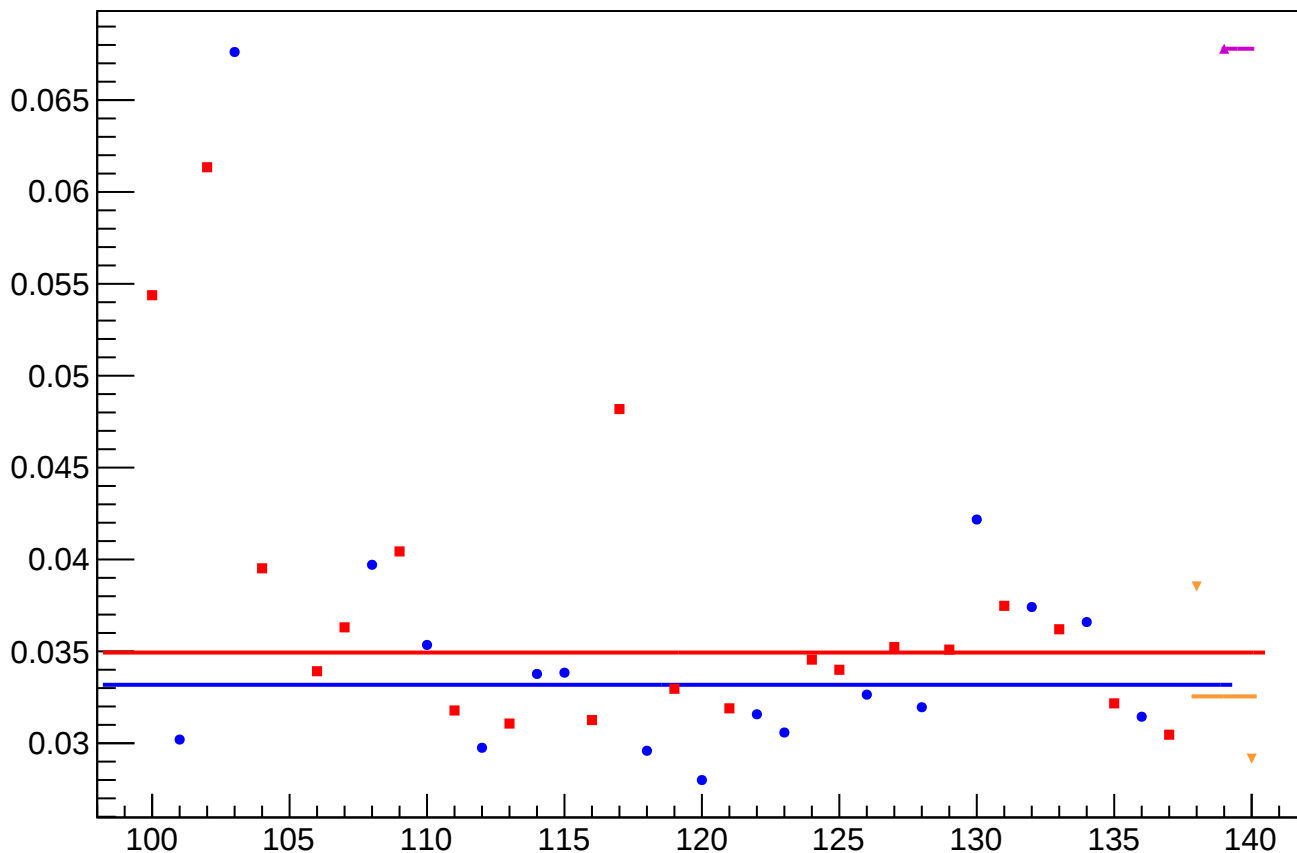
Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

Left In: -1.496+/-0.000 χ^2/NDF : 0.0/0

-0.920+/-0.000 χ^2/NDF : 64744354.5/18

-0.938+/-0.000 χ^2/NDF : 180088481.4/20

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.033+/-0.000 χ^2/NDF : 44963.8/1

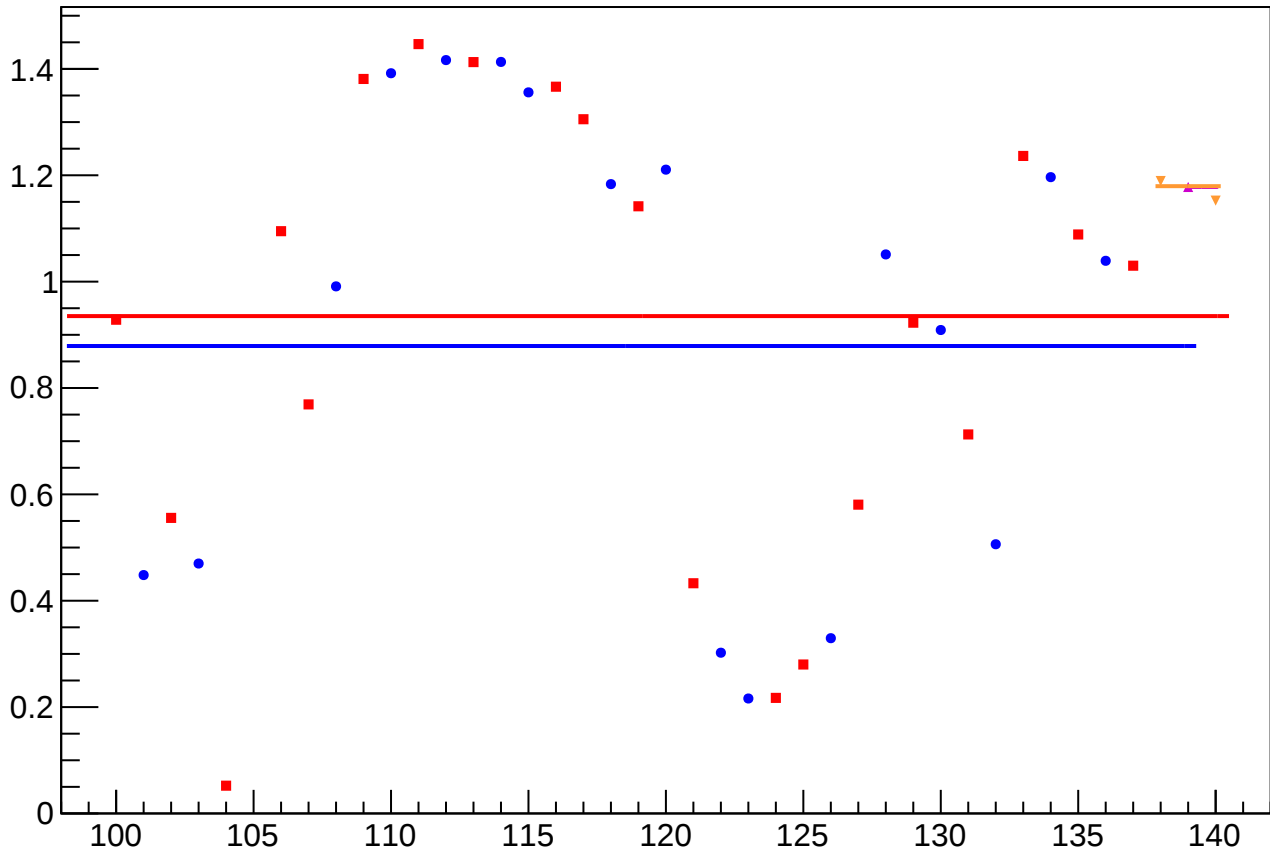
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.068+/-0.000 χ^2/NDF : 0.0/0

0.033+/-0.000 χ^2/NDF : 445800.7/18

0.036+/-0.000 χ^2/NDF : 600294.1/20

yield_bpm12Y_mean vs Slug



Right In: 0.879 ± 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 1.180 ± 0.000 χ^2/NDF : 8396803.1/1

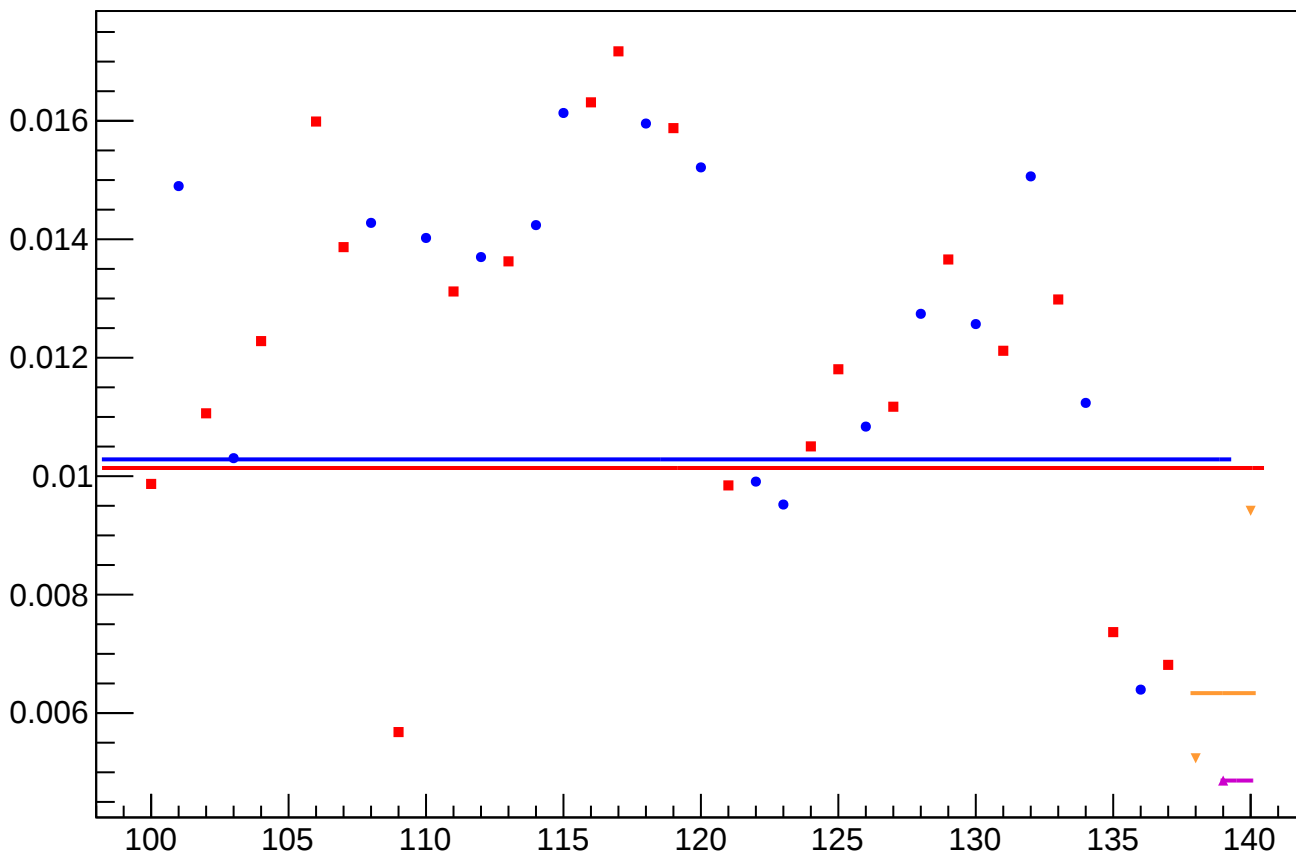
0.992 ± 0.000 χ^2/NDF : 8170761794.2/18

Right Out: 0.935 ± 0.000 χ^2/NDF : 9844960466.1/19

1.017 ± 0.000 χ^2/NDF : 10971397471.4/20

Left In: 1.178 ± 0.000 χ^2/NDF : 0.0/0

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 215704.1/1

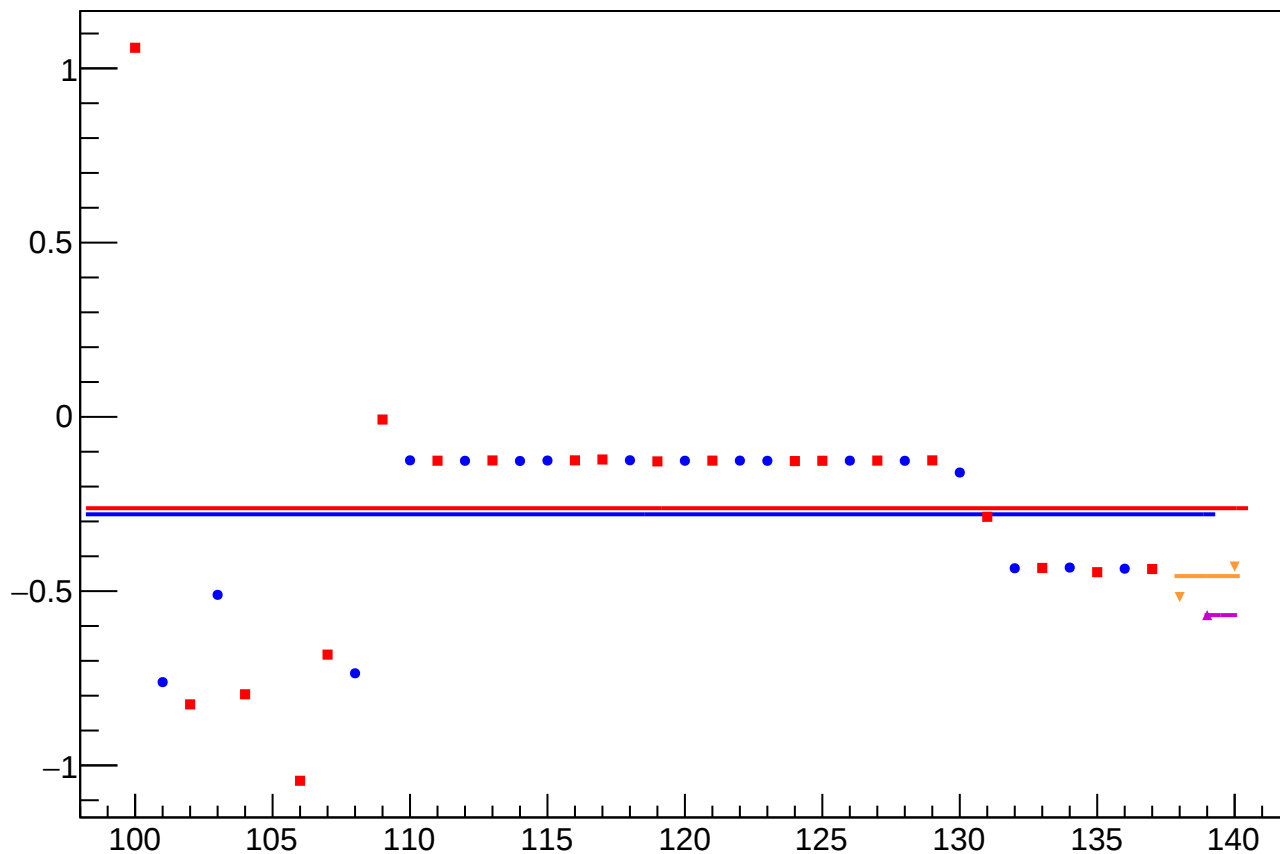
0.009+/-0.000 χ^2/NDF : 2040825.7/18

Right Out: 0.010+/-0.000 χ^2/NDF : 1189529.0/19

0.008+/-0.000 χ^2/NDF : 2253928.7/20

Left In: 0.005+/-0.000 χ^2/NDF : 0.0/0

yield_bpm16X_mean vs Slug



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.457+/-0.000 χ^2/NDF : 19015349.7/1

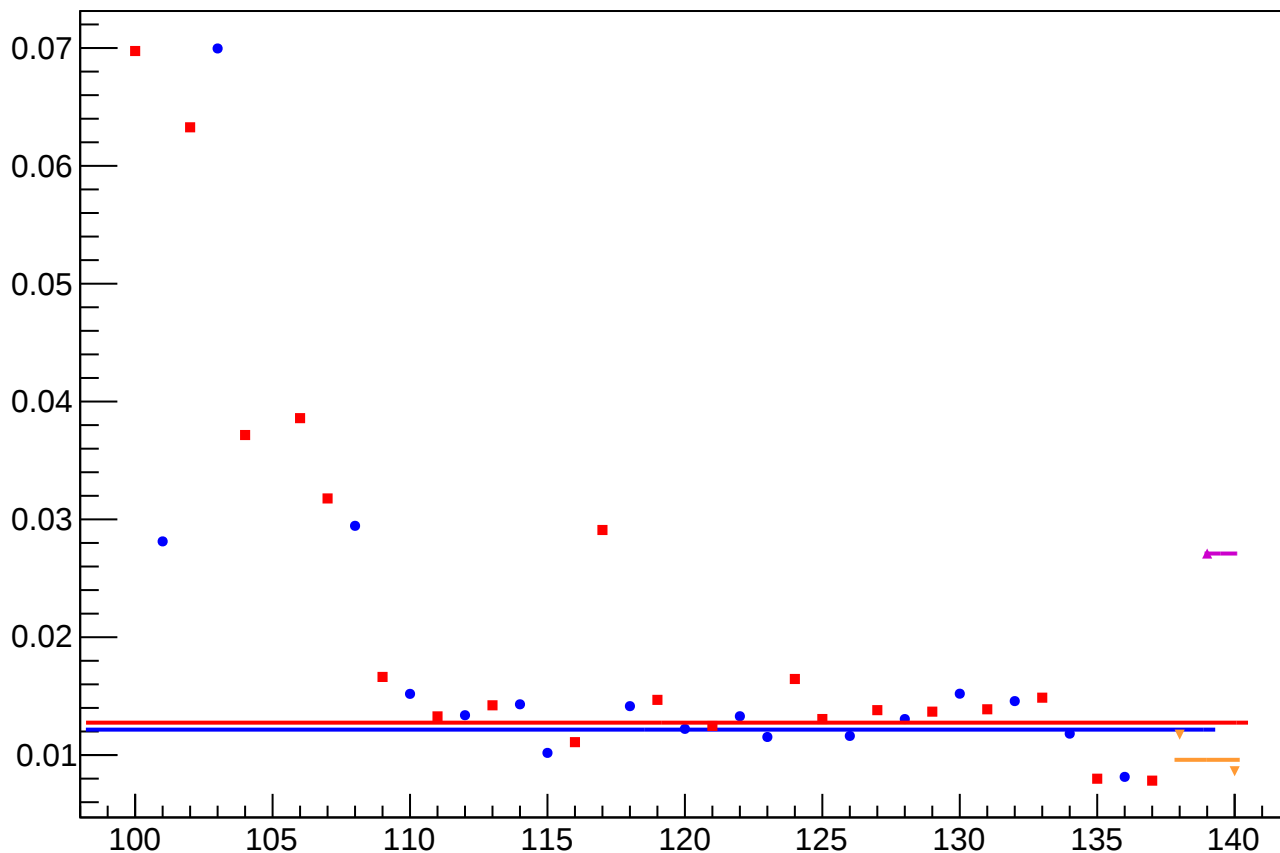
Right Out: -0.262+/-0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.569+/-0.000 χ^2/NDF : 0.0/0

-0.327+/-0.000 χ^2/NDF : 1214387294.7/18

-0.272+/-0.000 χ^2/NDF : 1095222203.3/20

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 48018.3/1

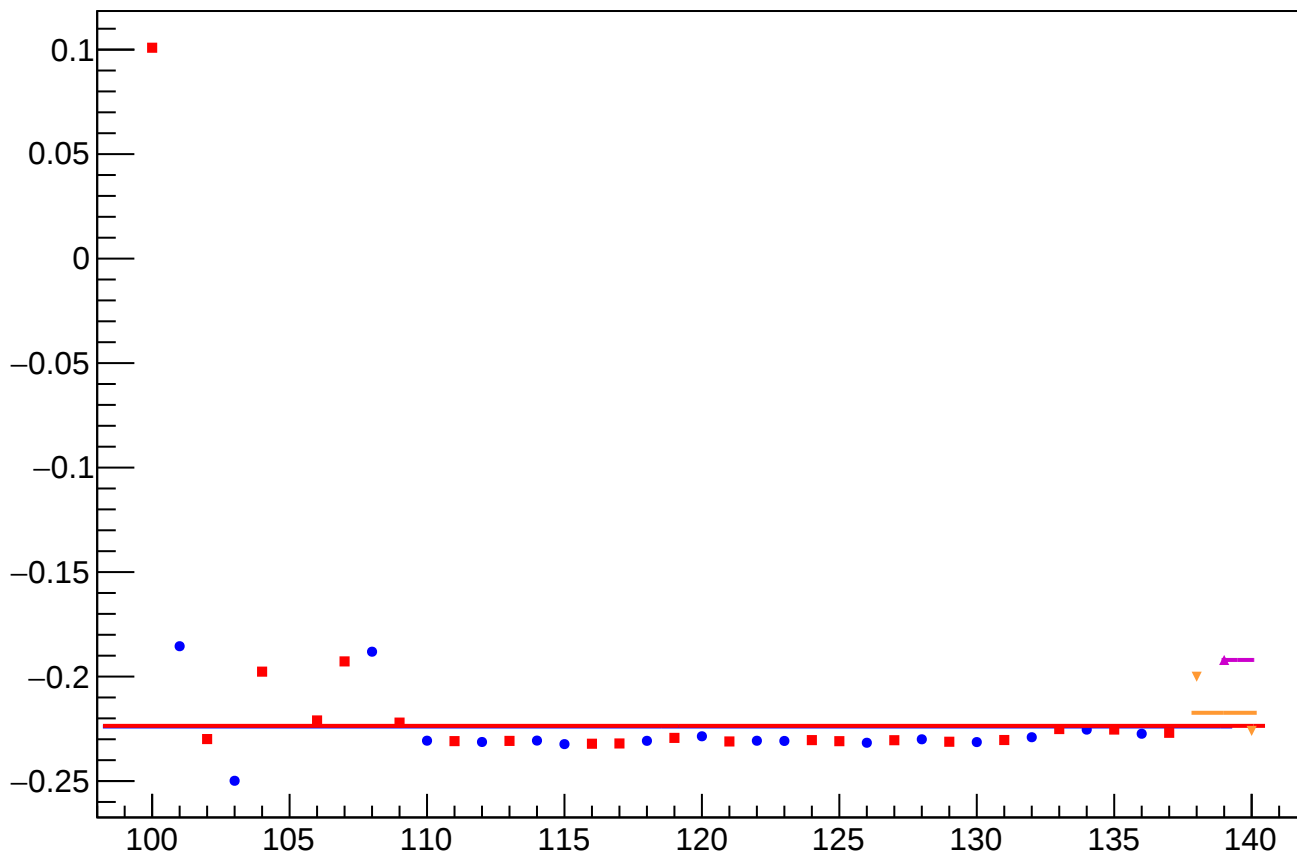
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1991972.4/19

Left In: 0.027 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.011 $\pm$ 0.000 χ^2 /NDF: 1881884.5/18

0.013 $\pm$ 0.000 χ^2 /NDF: 2377548.3/20

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.217+/-0.000 χ^2/NDF : 9067002.8/1

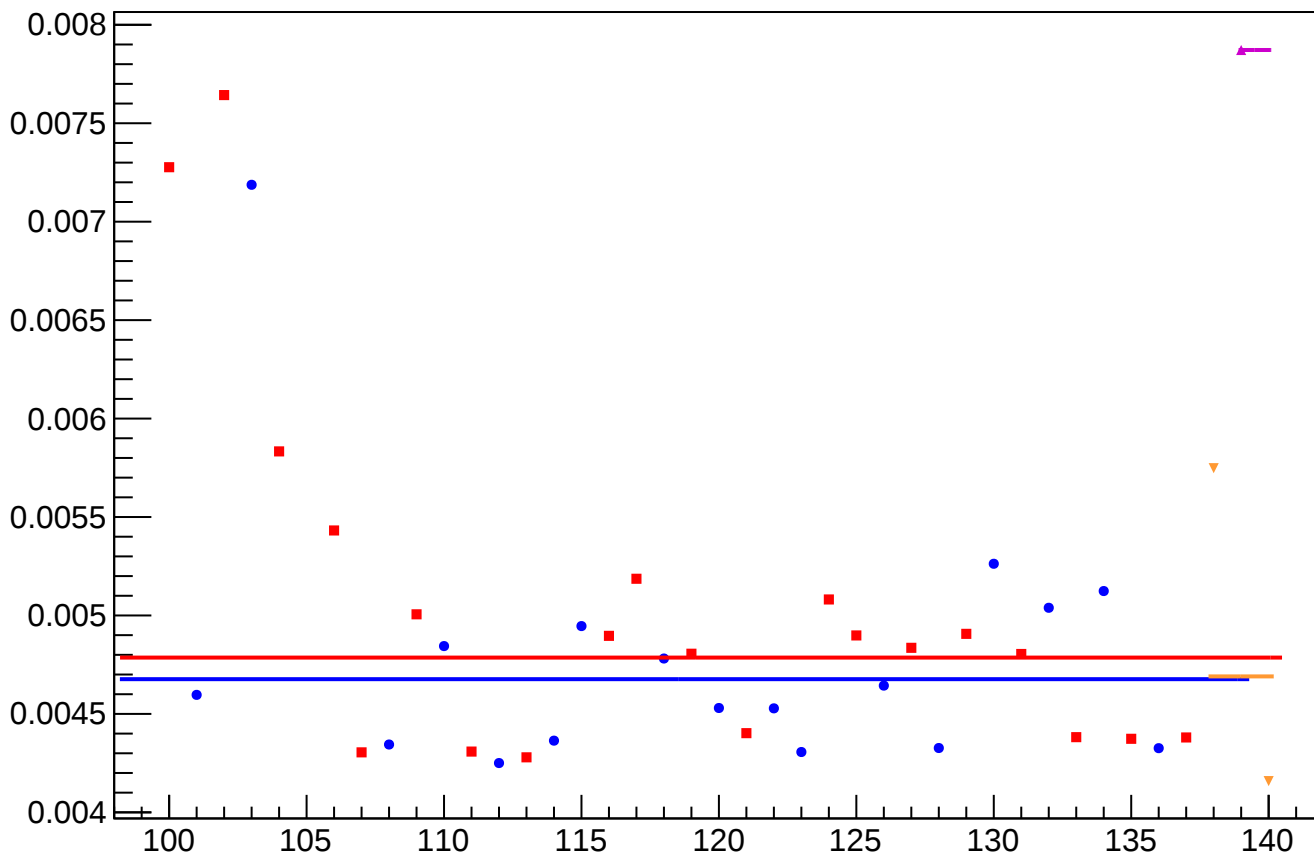
Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

Left In: -0.192+/-0.000 χ^2/NDF : 0.0/0

-0.223+/-0.000 χ^2/NDF : 85793914.1/18

-0.222+/-0.000 χ^2/NDF : 178839853.8/20

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 68109.6/1

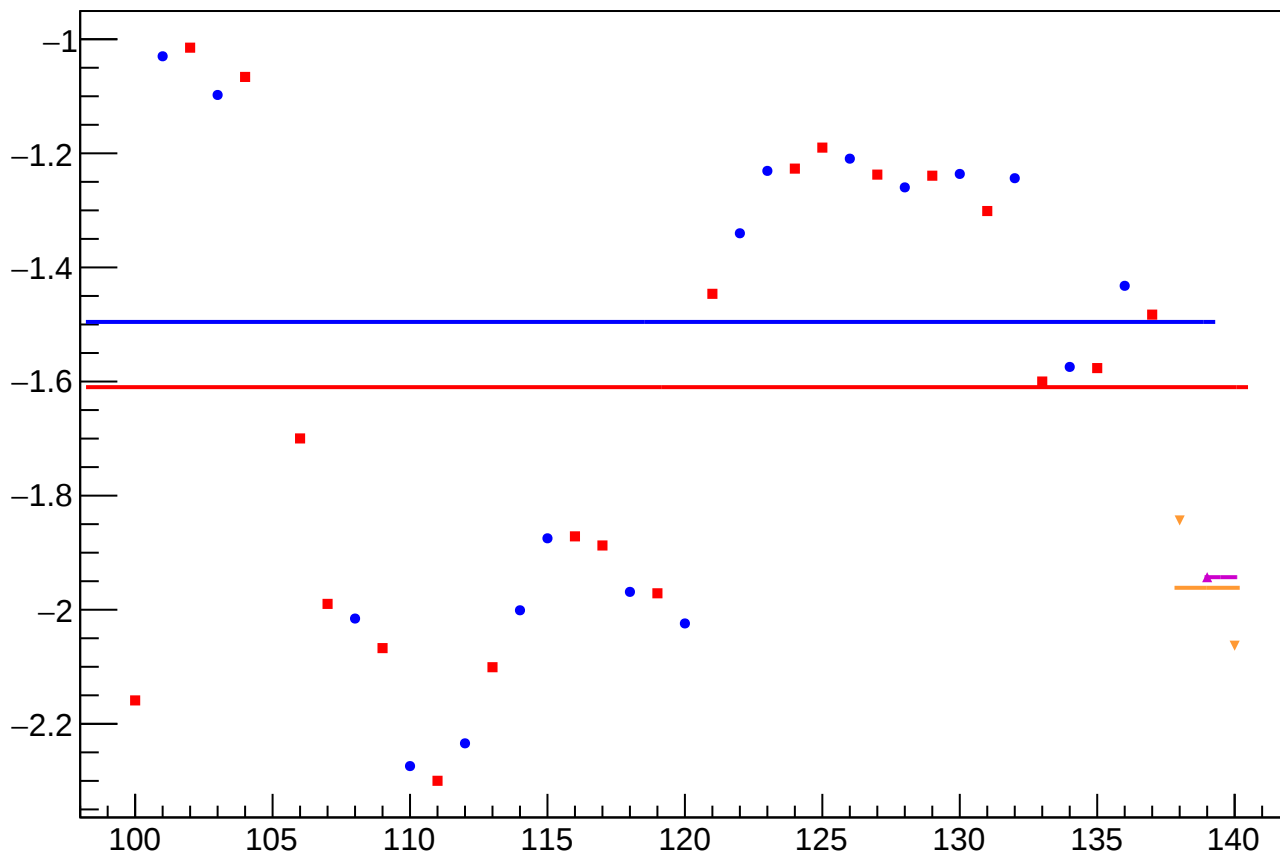
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.008+/-0.000 χ^2/NDF : 0.0/0

0.005+/-0.000 χ^2/NDF : 248909.8/18

0.005+/-0.000 χ^2/NDF : 451858.5/20

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.962 ± 0.000 χ^2/NDF : 597924525.9/1

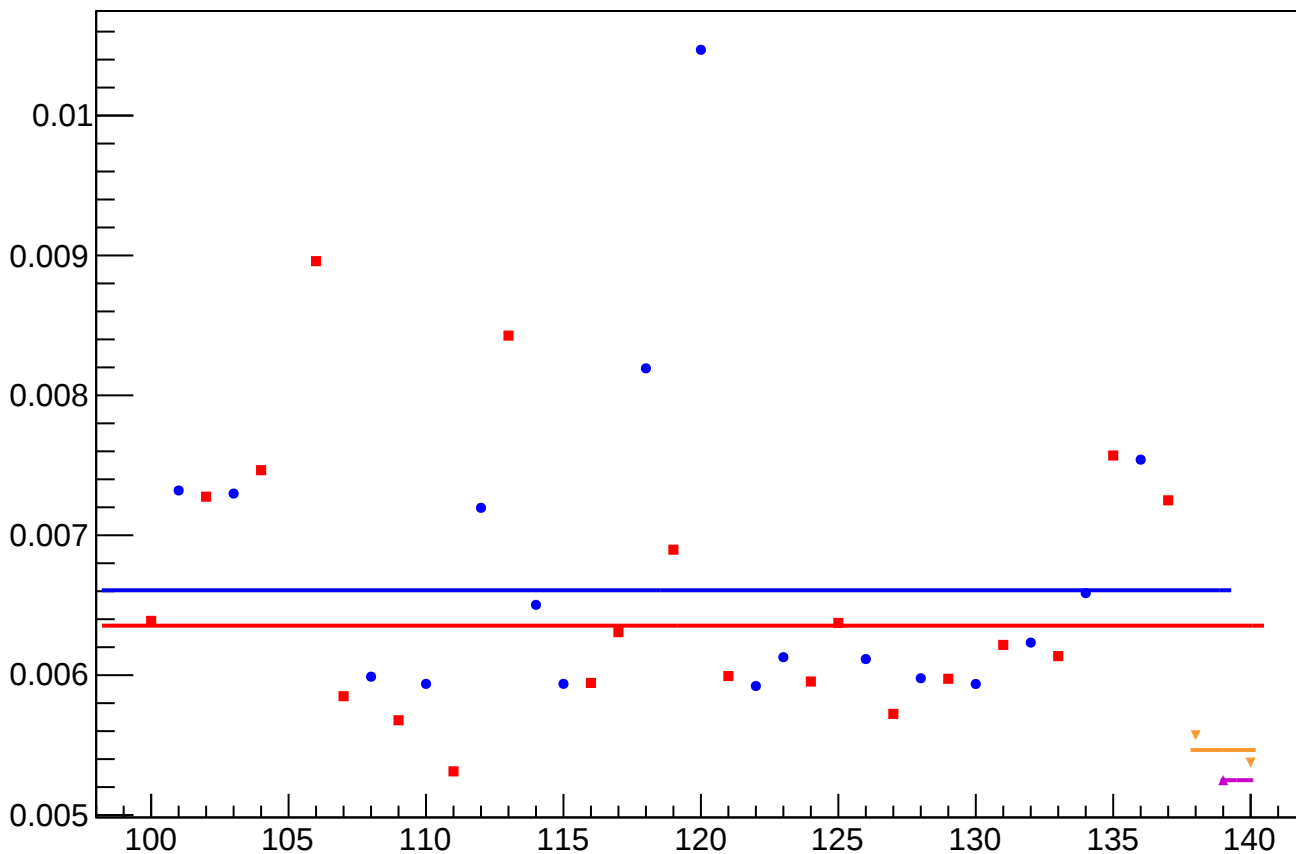
Right Out: -1.610 ± 0.000 χ^2/NDF : 27936032778.6/19

Left In: -1.943 ± 0.000 χ^2/NDF : 0.0/0

-1.619 ± 0.000 χ^2/NDF : 31076469427.1/18

-1.655 ± 0.000 χ^2/NDF : 30399632561.8/20

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 201323.2/16

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 950.9/1

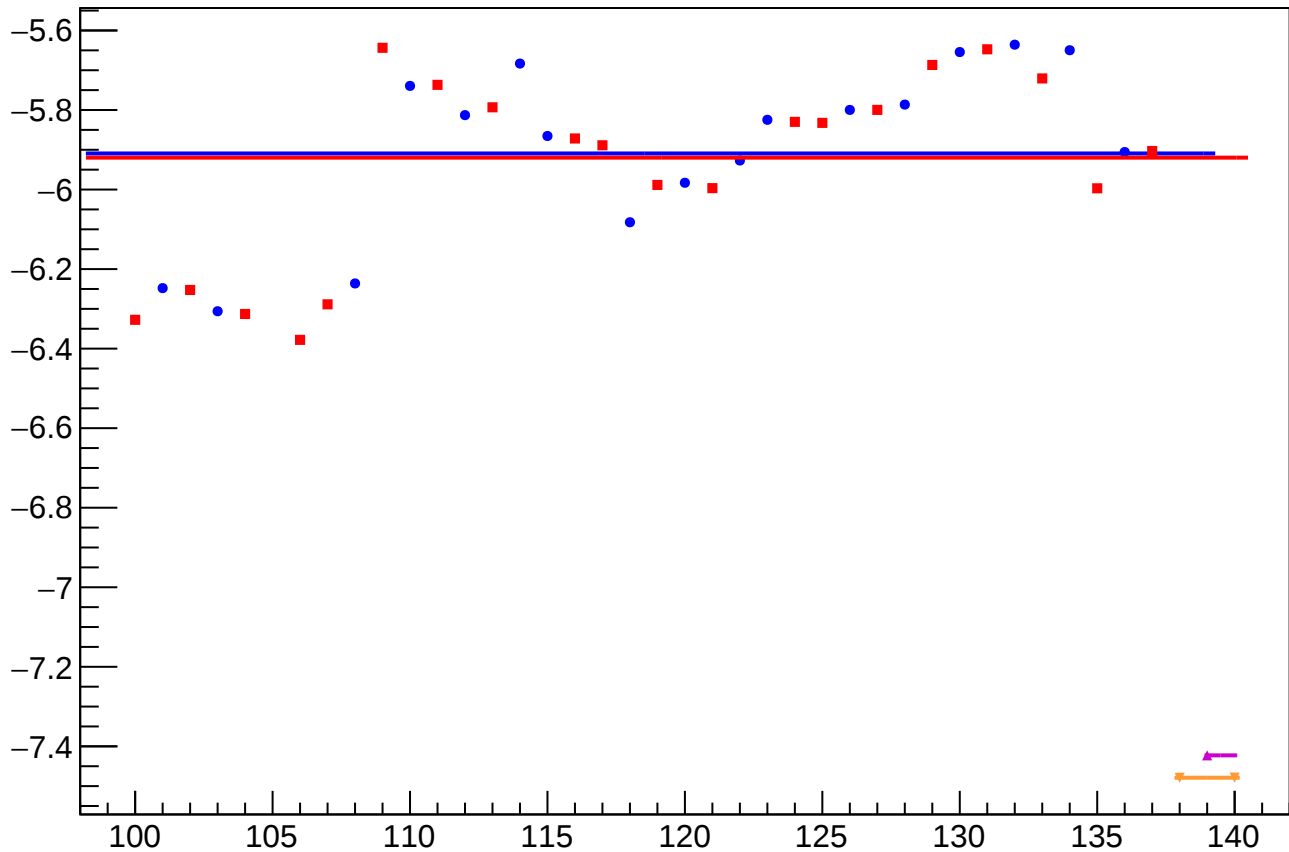
Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227292.5/19

Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 0.0/0

0.006 $\pm$ 0.000 χ^2/NDF : 297935.8/18

0.006 $\pm$ 0.000 χ^2/NDF : 281471.2/20

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.479+/-0.000 χ^2/NDF : 428.9/1

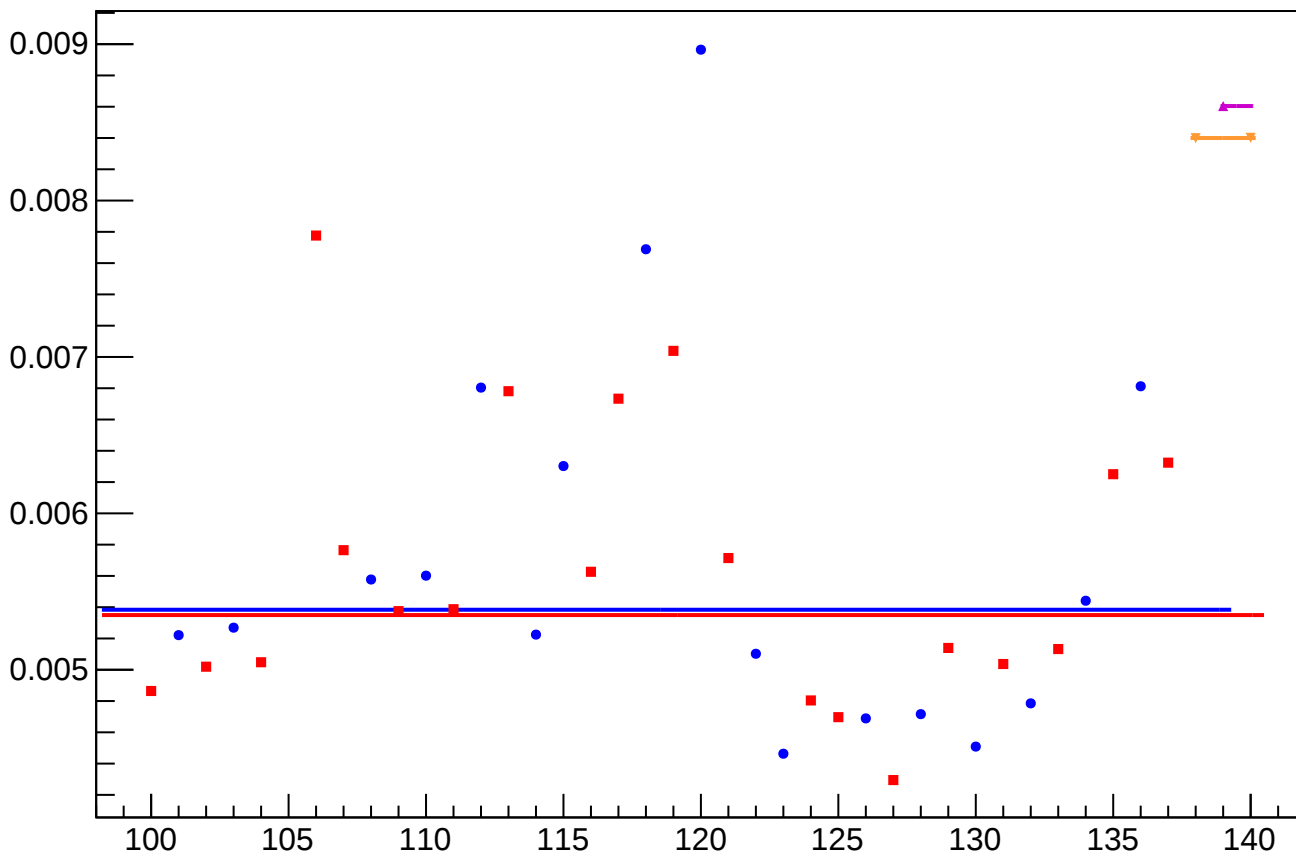
-6.035+/-0.000 χ^2/NDF : 50923138538.3/18

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

-5.972+/-0.000 χ^2/NDF : 30370345104.9/20

Left In: -7.423+/-0.000 χ^2/NDF : 0.0/0

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 0.0/1

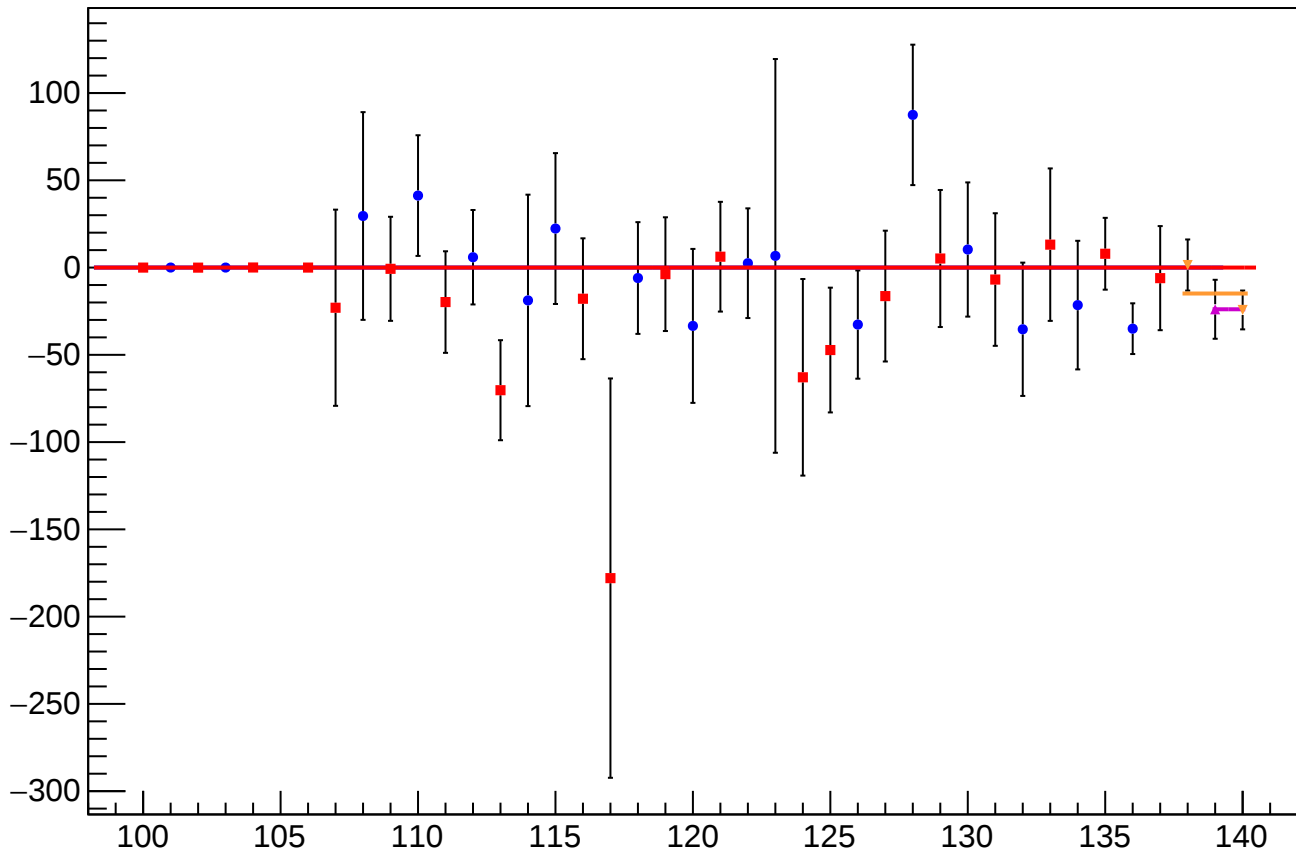
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.006+/-0.000 χ^2/NDF : 641527.8/18

0.005+/-0.000 χ^2/NDF : 412946.1/20

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 15.8/16

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

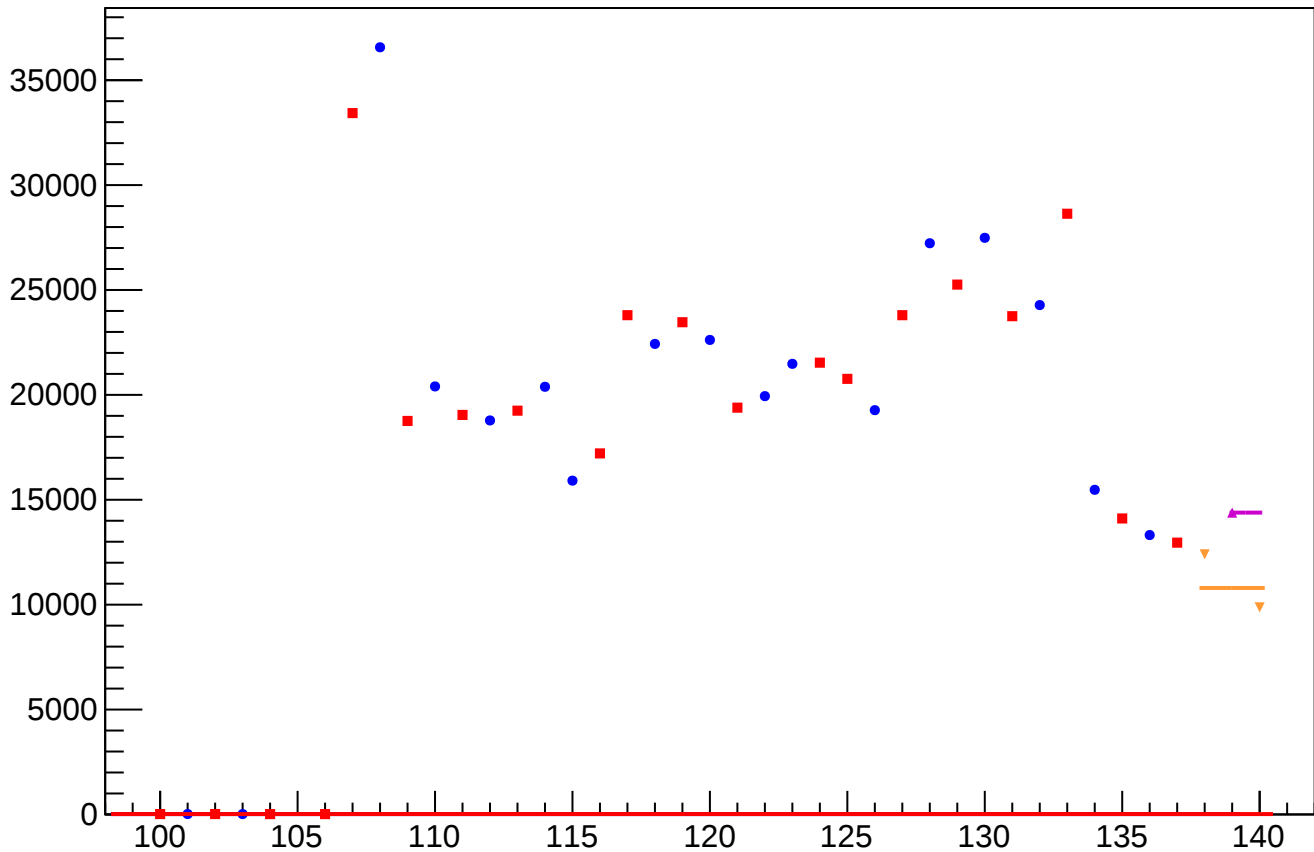
Right Out: 0.003+/-0.016 χ^2/NDF : 17.7/19

Left In: -23.899+/-16.895 χ^2/NDF : 0.0/0

0.013+/-0.017 χ^2/NDF : 20.6/18

0.003+/-0.016 χ^2/NDF : 19.7/20

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

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

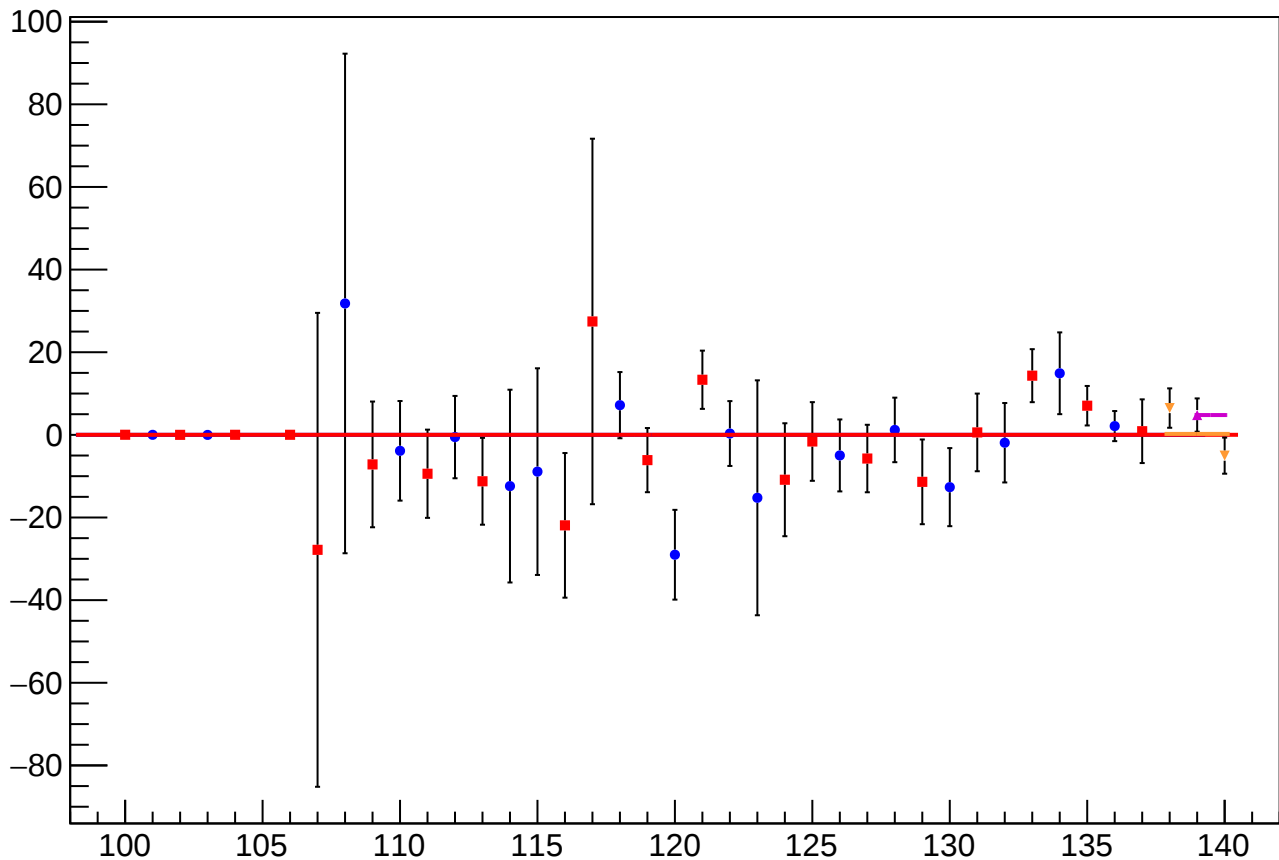
Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

Left In: 14387.726+/-11.946 χ^2/NDF : 0.0/0

18.682+/-0.012 χ^2/NDF : 13839517.1/18

18.325+/-0.011 χ^2/NDF : 12636512.4/20

diff_cav4bY_mean vs Slug



Right In: 0.001+/-0.009 χ^2/NDF : 14.9/16

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

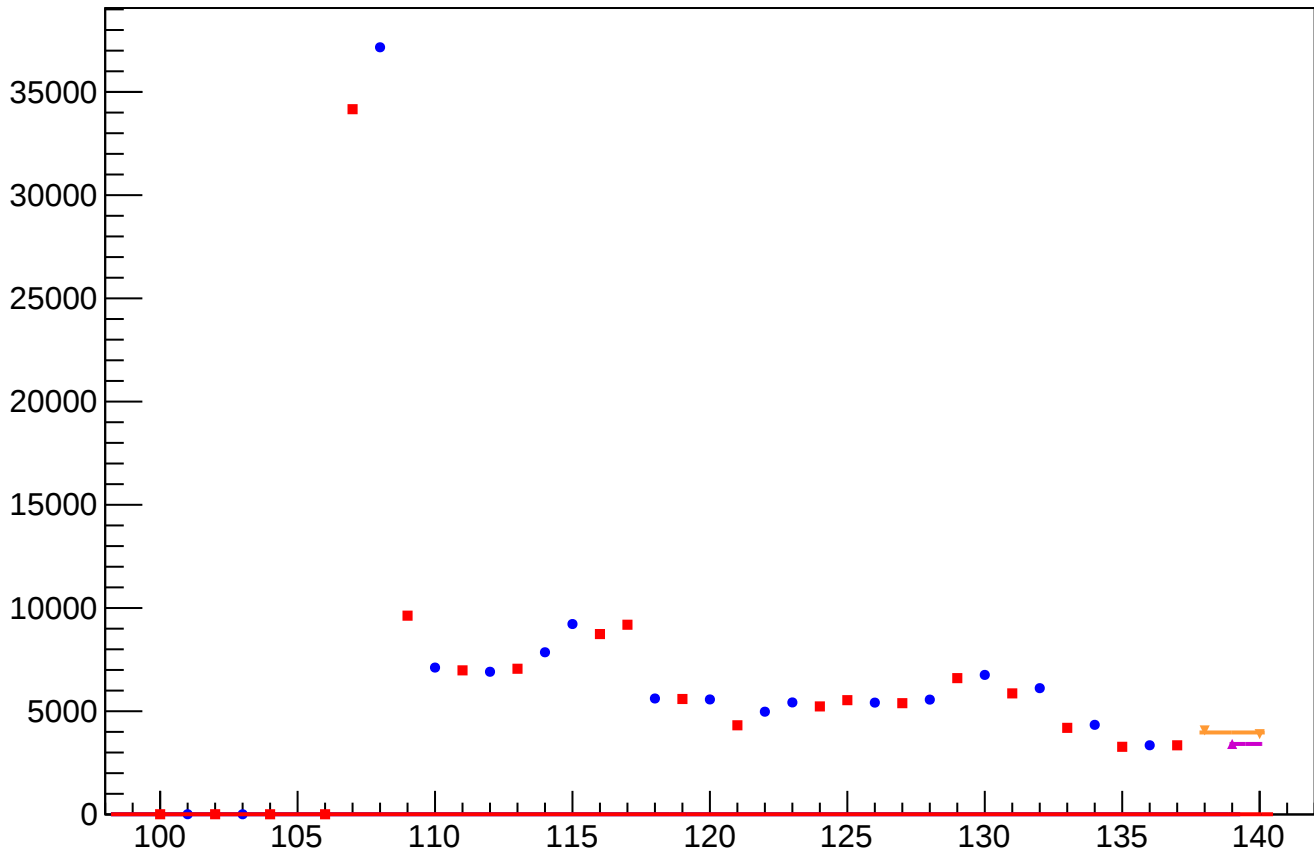
Right Out: 0.014+/-0.009 χ^2/NDF : 18.8/19

Left In: 4.797+/-4.026 χ^2/NDF : 0.0/0

0.001+/-0.009 χ^2/NDF : 18.1/18

0.014+/-0.009 χ^2/NDF : 20.2/20

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

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

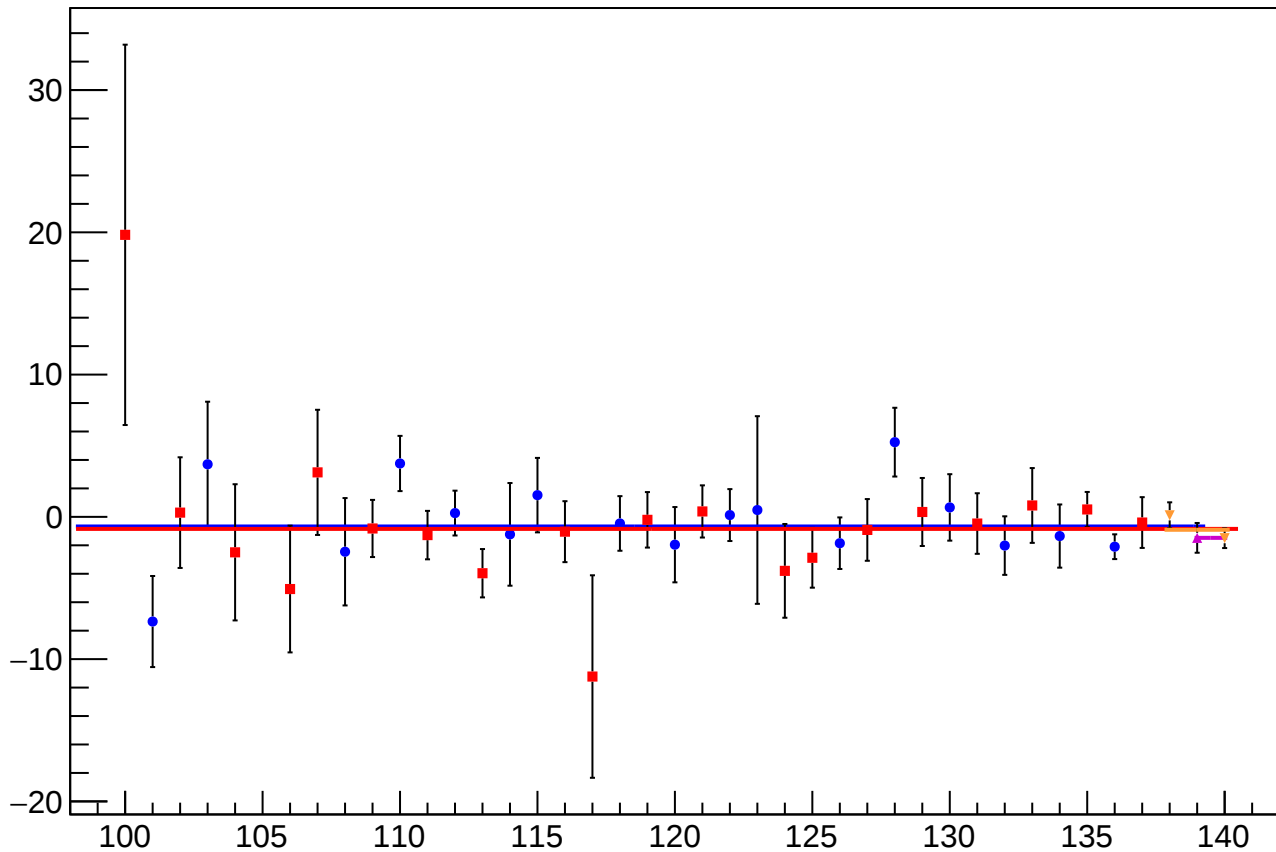
9.970+/-0.007 χ^2/NDF : 13999719.6/18

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

9.870+/-0.006 χ^2/NDF : 12669505.8/20

Left In: 3415.160+/-2.847 χ^2/NDF : 0.0/0

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

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

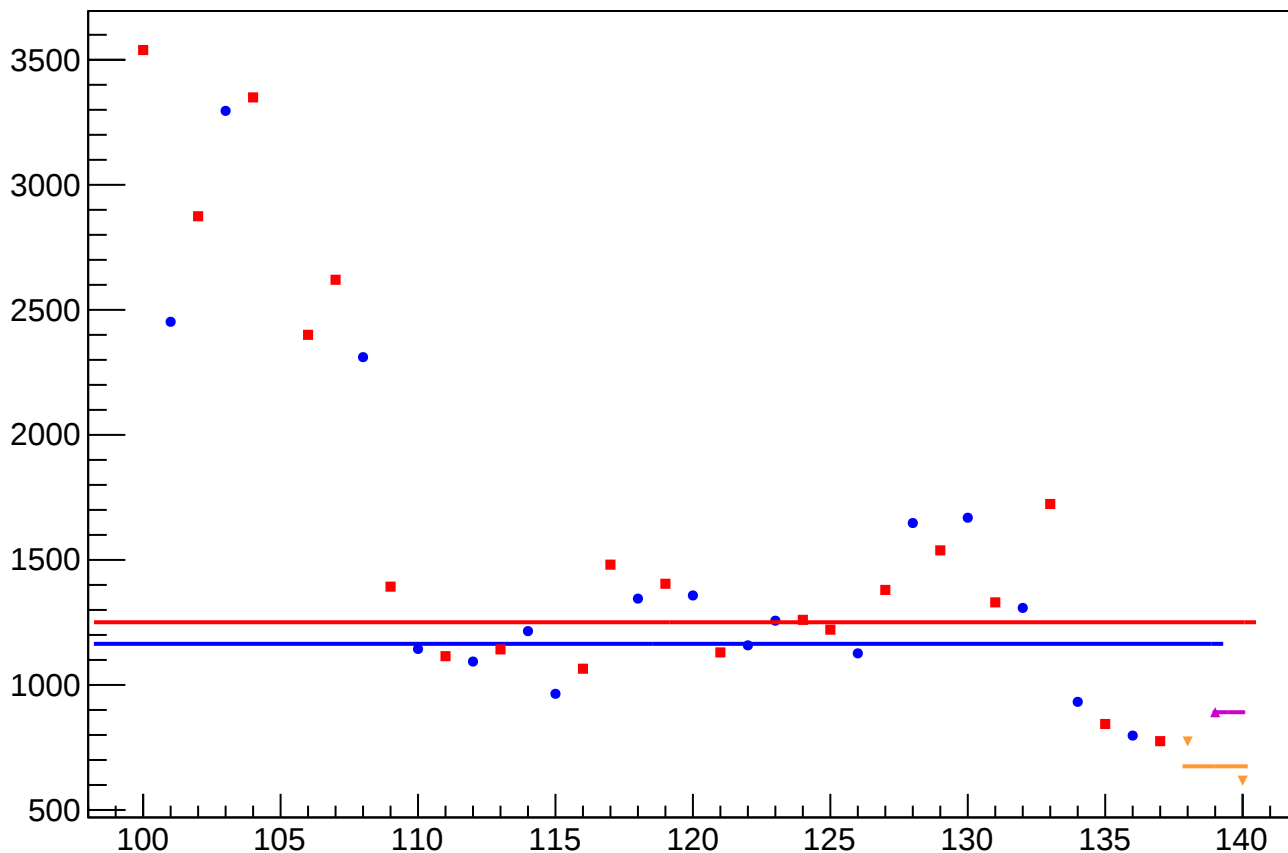
Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

Left In: -1.476 ± 1.046 χ^2/NDF : 0.0/0

-0.777 ± 0.364 χ^2/NDF : 24.3/18

-0.963 ± 0.451 χ^2/NDF : 14.4/20

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

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

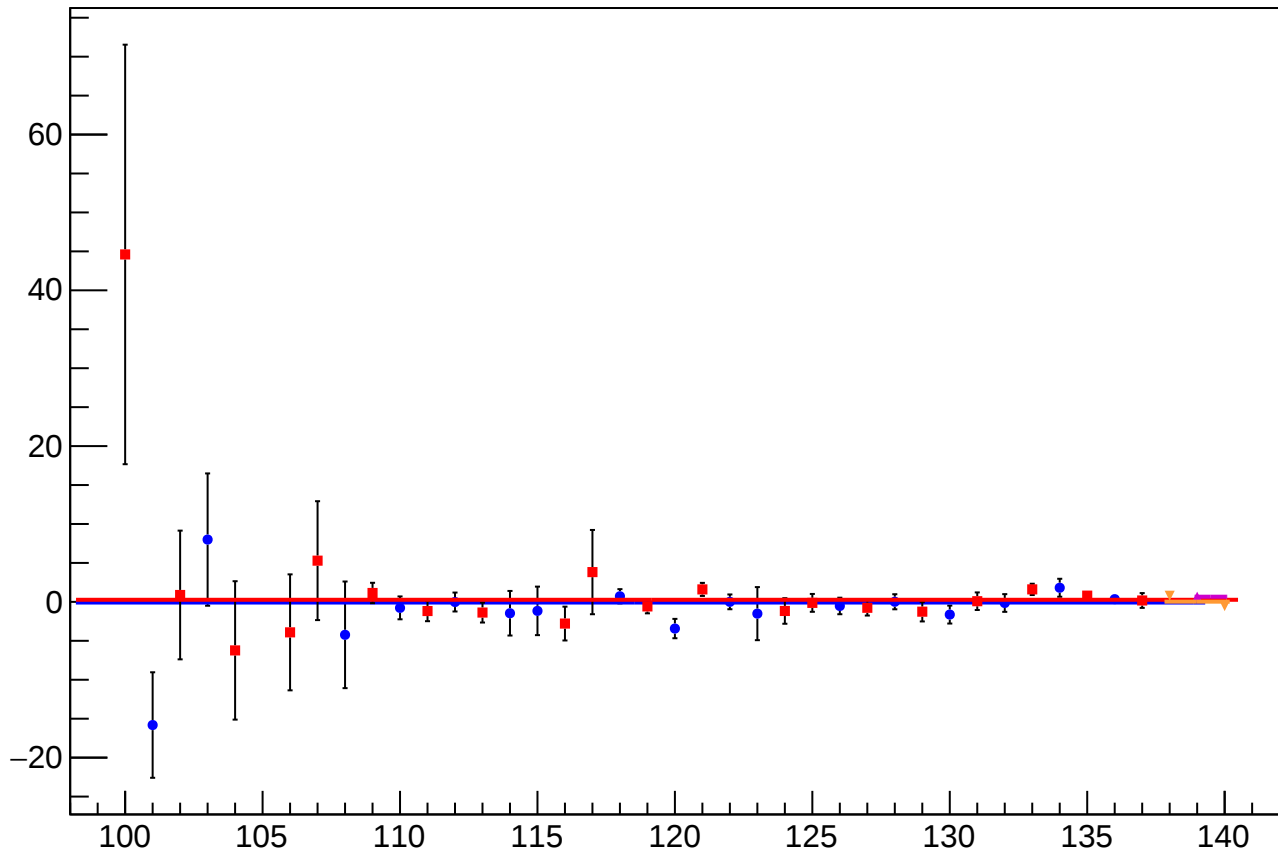
Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

Left In: 890.937 $\pm$ 0.740 χ^2 /NDF: 0.0/0

952.008 $\pm$ 0.258 χ^2 /NDF: 2509348.0/18

1183.824 $\pm$ 0.319 χ^2 /NDF: 1844806.5/20

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

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

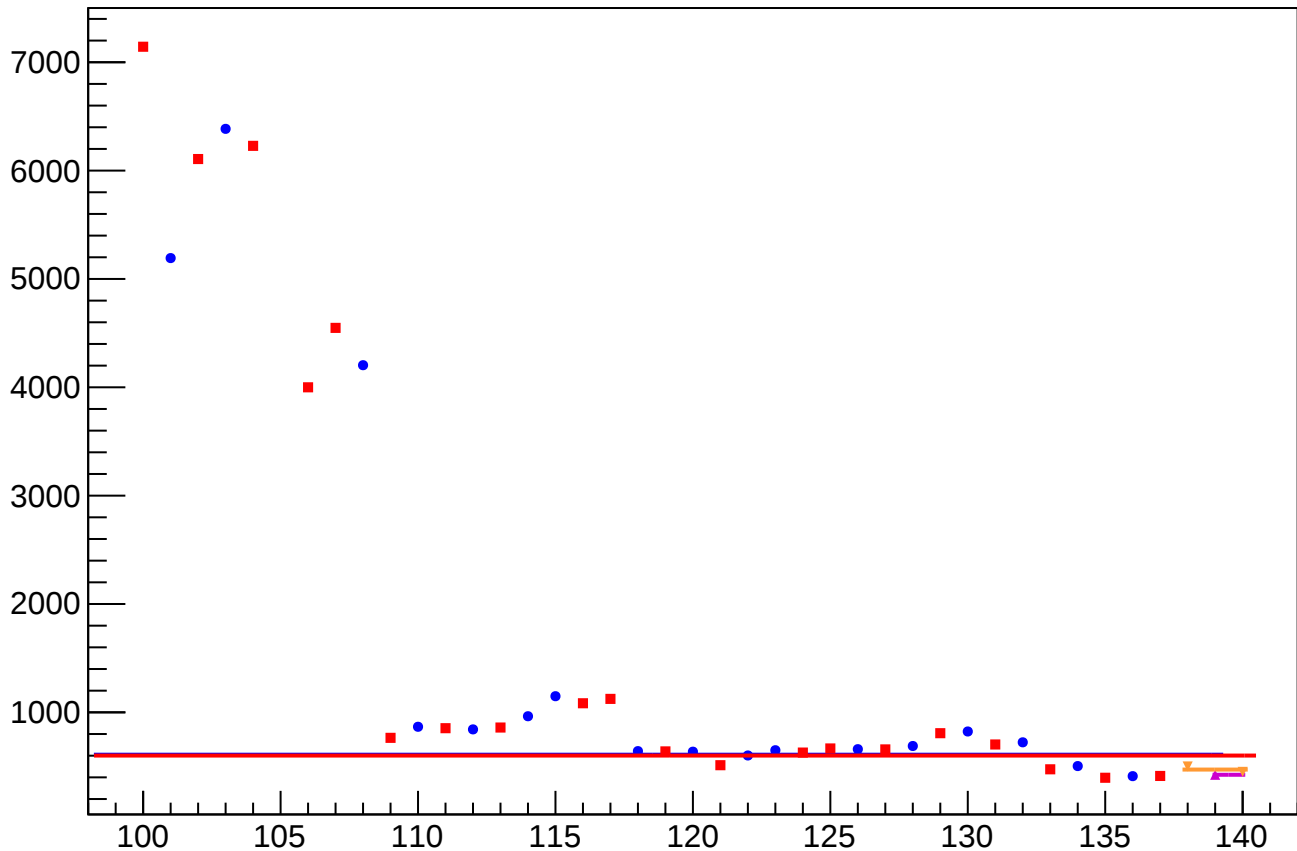
Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

Left In: 0.664 ± 0.500 χ^2/NDF : 0.0/0

-0.048 ± 0.221 χ^2/NDF : 24.1/18

0.354 ± 0.233 χ^2/NDF : 21.4/20

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

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

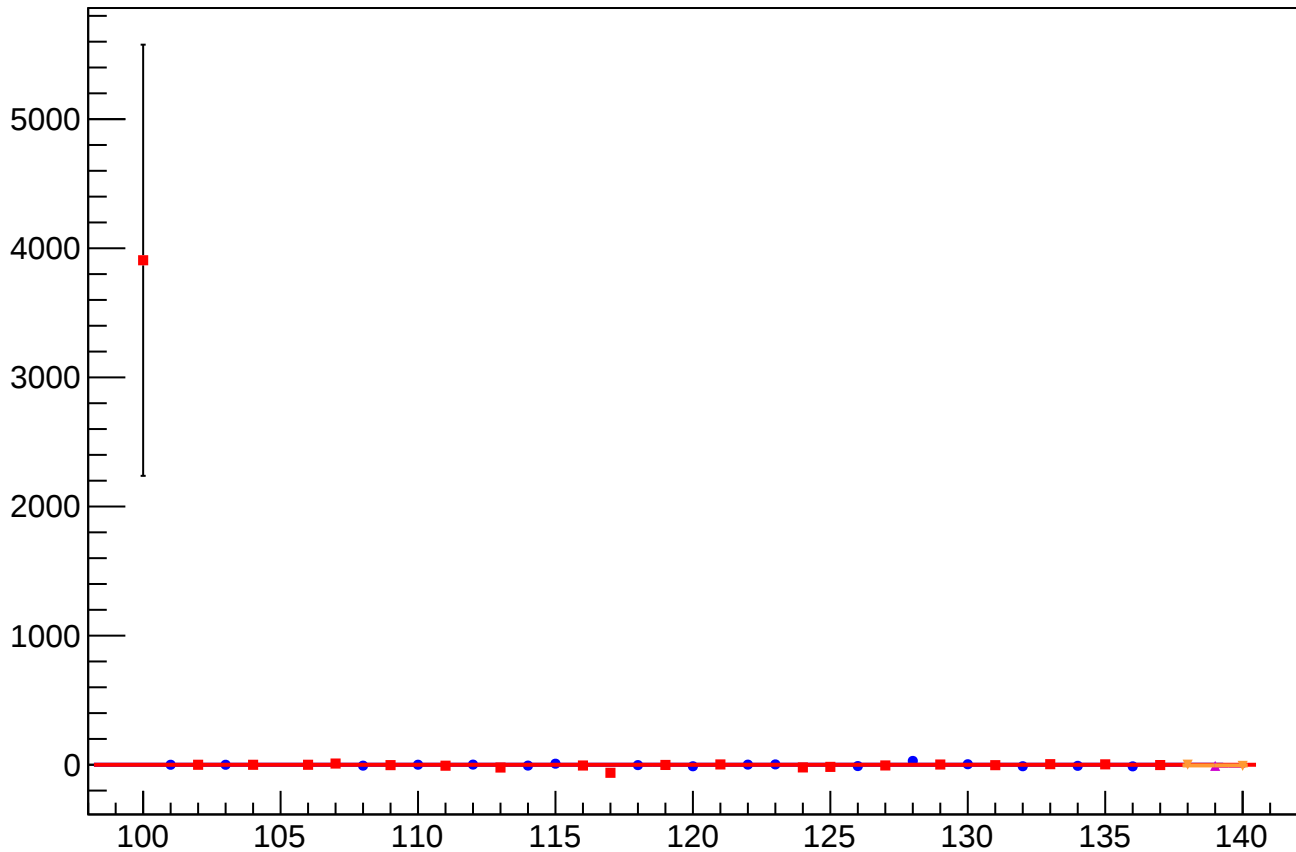
563.427+/-0.156 χ^2/NDF : 3318907.6/18

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

562.511+/-0.165 χ^2/NDF : 3762968.4/20

Left In: 423.835+/-0.354 χ^2/NDF : 0.0/0

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2/NDF : 15.3/16

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

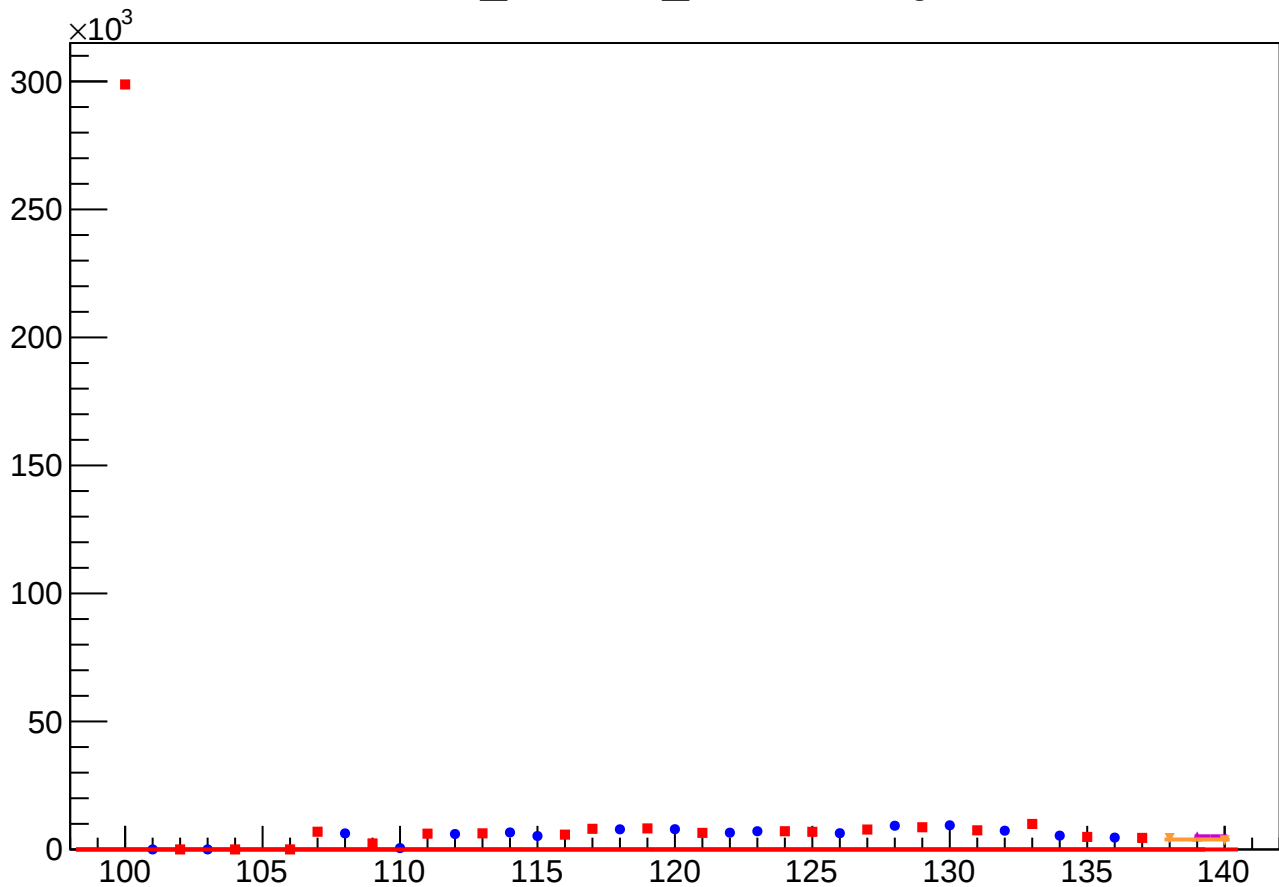
Right Out: -0.027+/-0.020 χ^2/NDF : 19.8/19

Left In: -8.493+/-6.023 χ^2/NDF : 0.0/0

-0.022+/-0.021 χ^2/NDF : 20.0/18

-0.027+/-0.020 χ^2/NDF : 21.8/20

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

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

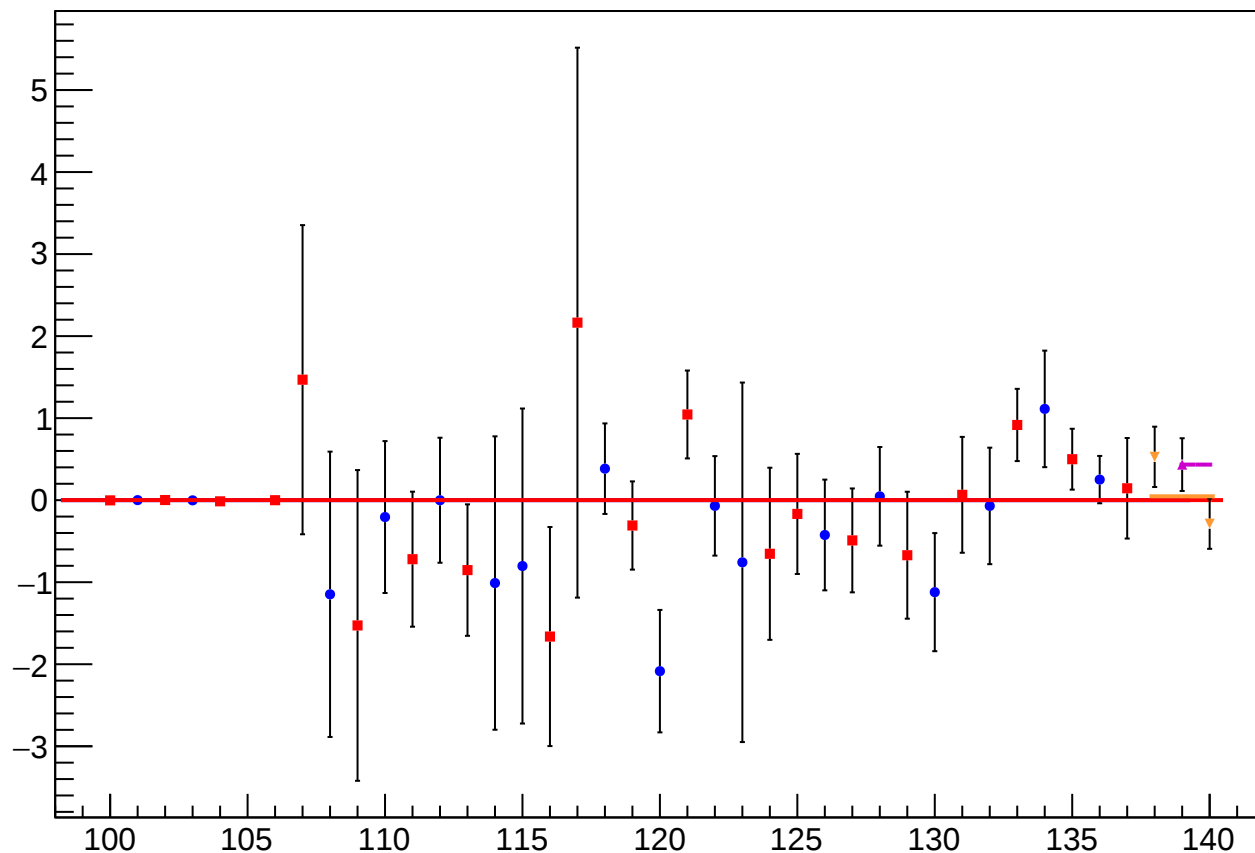
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 5129.407 $\pm$ 4.259 χ^2 /NDF: 0.0/0

17.501 $\pm$ 0.015 χ^2 /NDF: 13344884.0/18

17.325 $\pm$ 0.014 χ^2 /NDF: 12340449.2/20

diff_cav4dY_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF : 15.6/16

Left Out: 0.047+/-0.236 χ^2/NDF : 2.9/1

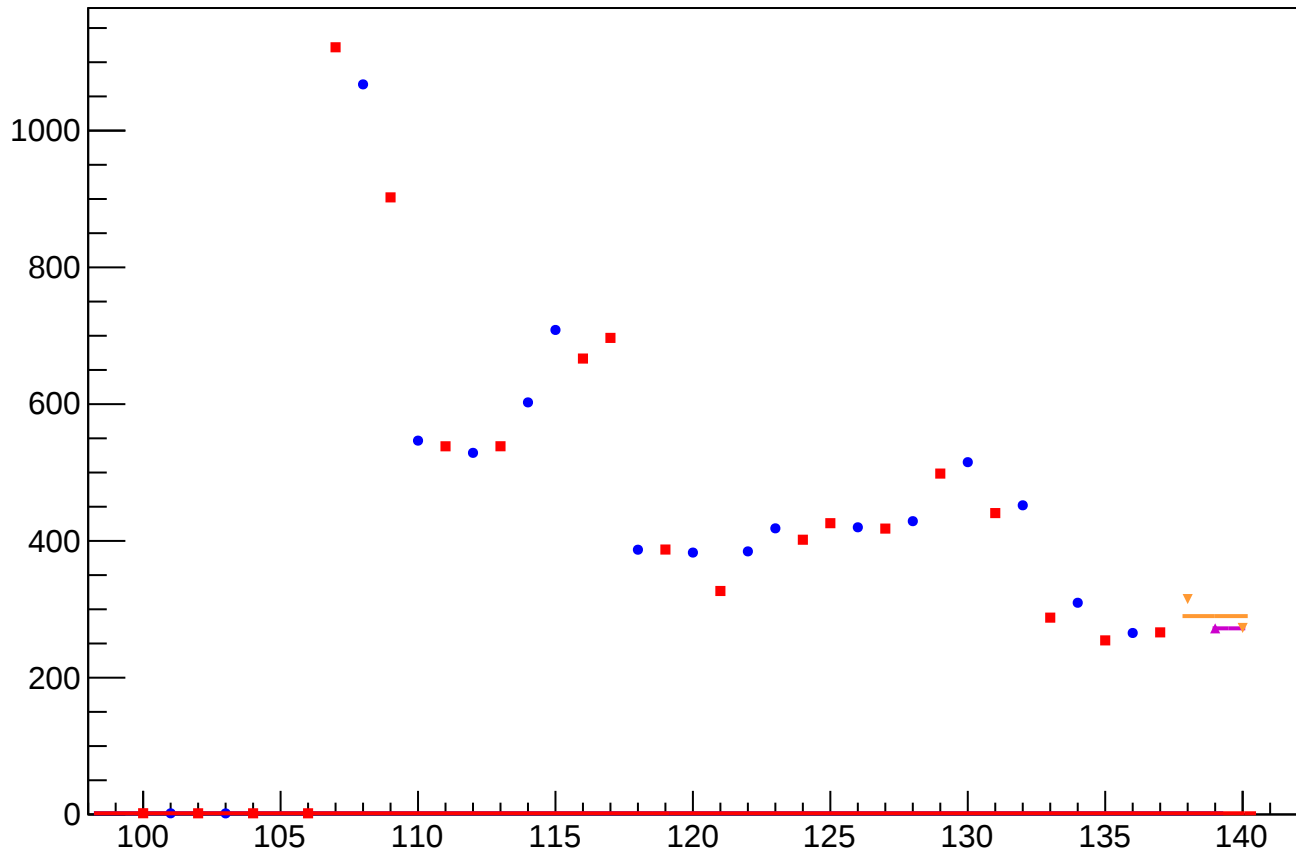
Right Out: 0.001+/-0.002 χ^2/NDF : 18.2/19

Left In: 0.434+/-0.321 χ^2/NDF : 0.0/0

0.000+/-0.002 χ^2/NDF : 18.6/18

0.001+/-0.002 χ^2/NDF : 20.0/20

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

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

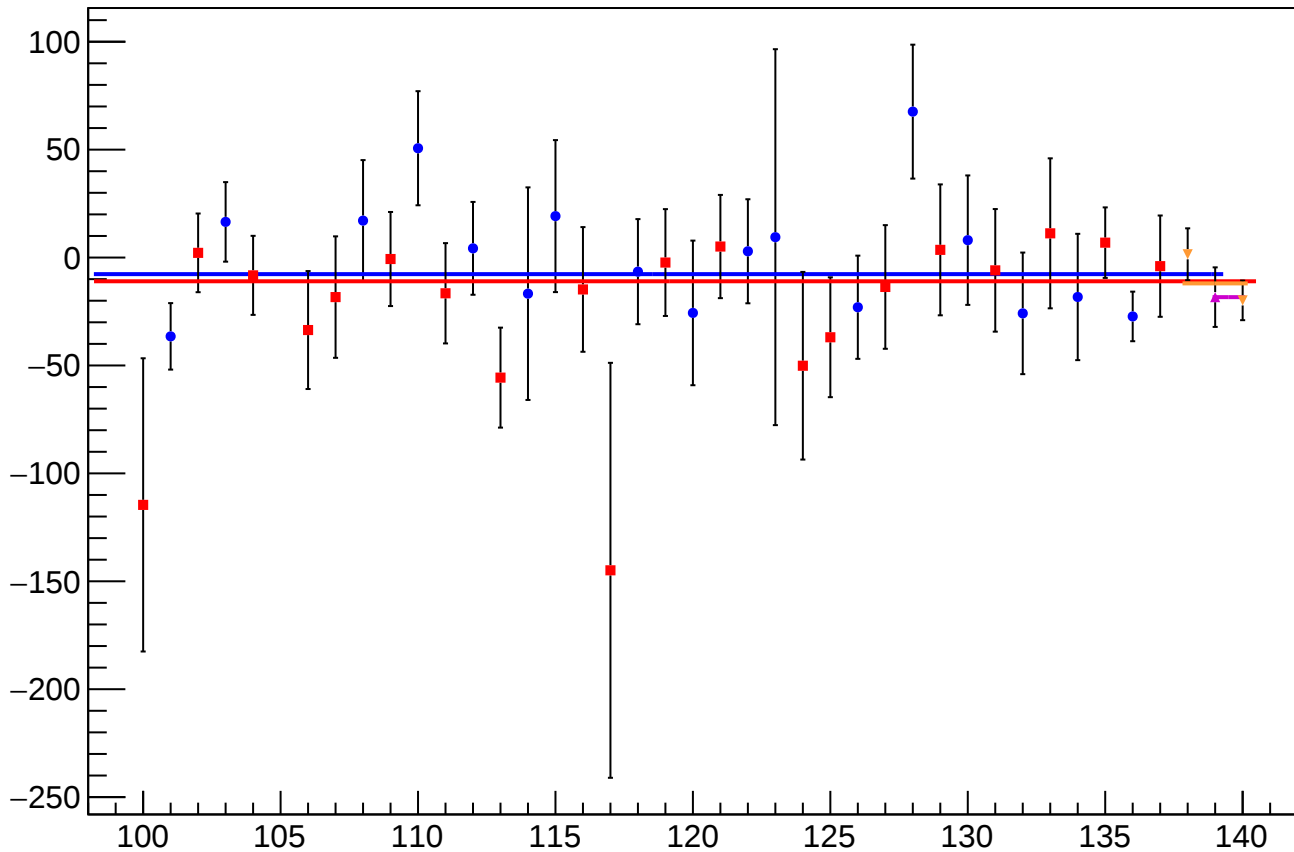
Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

Left In: 272.154+/-0.227 χ^2/NDF :0.0/0

1.720+/-0.001 χ^2/NDF : 13924831.2/18

1.738+/-0.001 χ^2/NDF : 12239058.6/20

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -11.980 ± 7.291 χ^2/NDF : 2.0/1

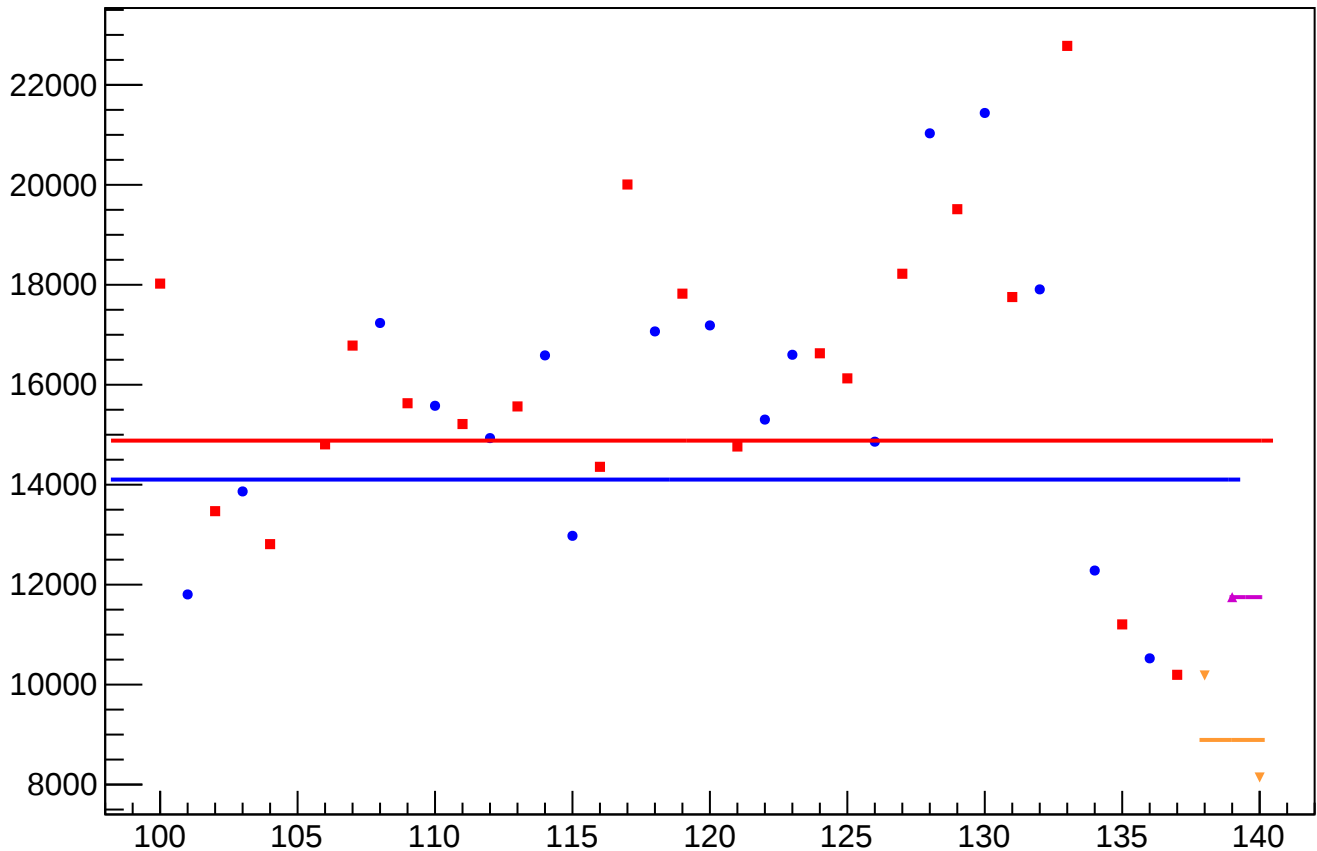
Right Out: -10.992 ± 5.672 χ^2/NDF : 13.8/19

Left In: -18.344 ± 13.797 χ^2/NDF : 0.0/0

-9.287 ± 4.455 χ^2/NDF : 24.6/18

-12.055 ± 5.246 χ^2/NDF : 14.0/20

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

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

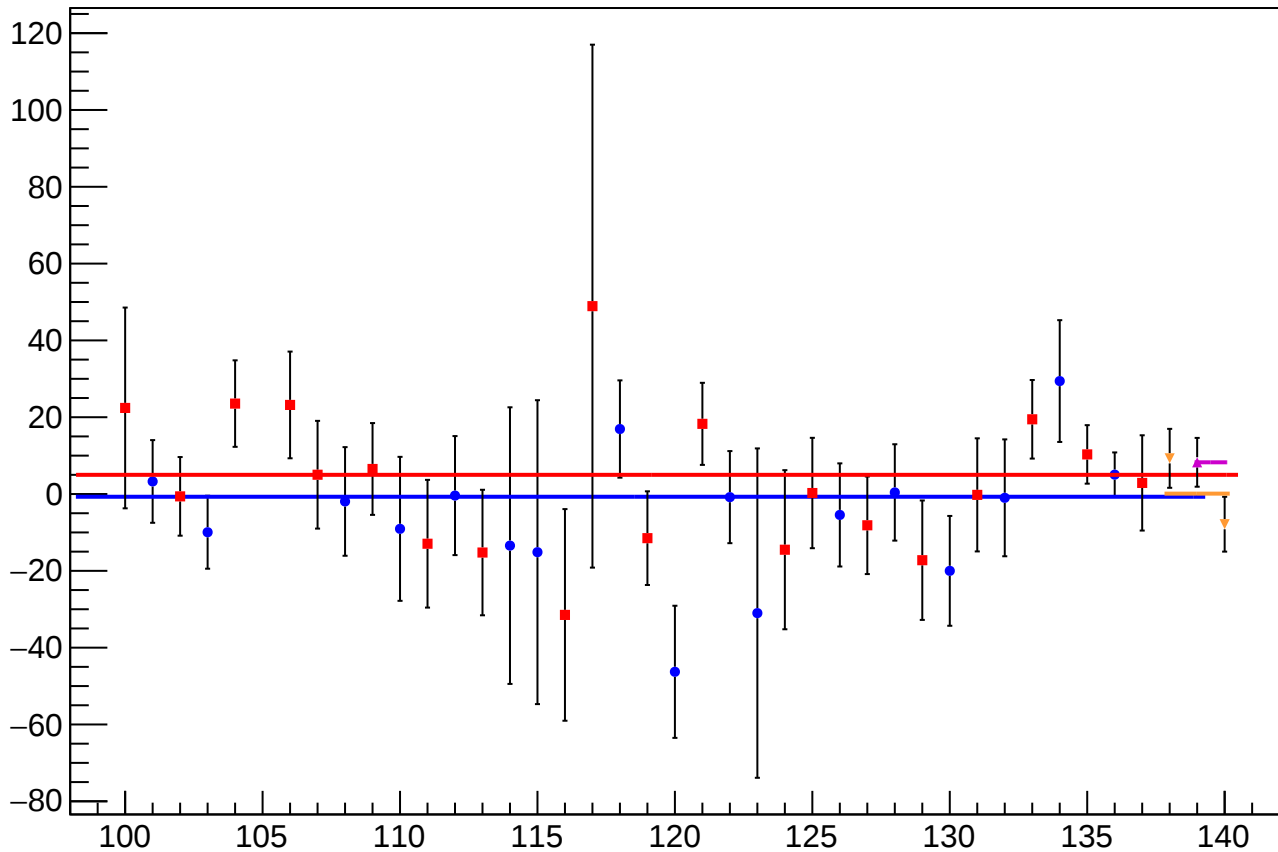
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 11750.370+/-9.756 χ^2/NDF : 0.0/0

12157.861+/-3.150 χ^2/NDF : 1275263.9/18

14429.255+/-3.710 χ^2/NDF : 564128.8/20

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 0.105 ± 5.228 χ^2/NDF : 2.7/1

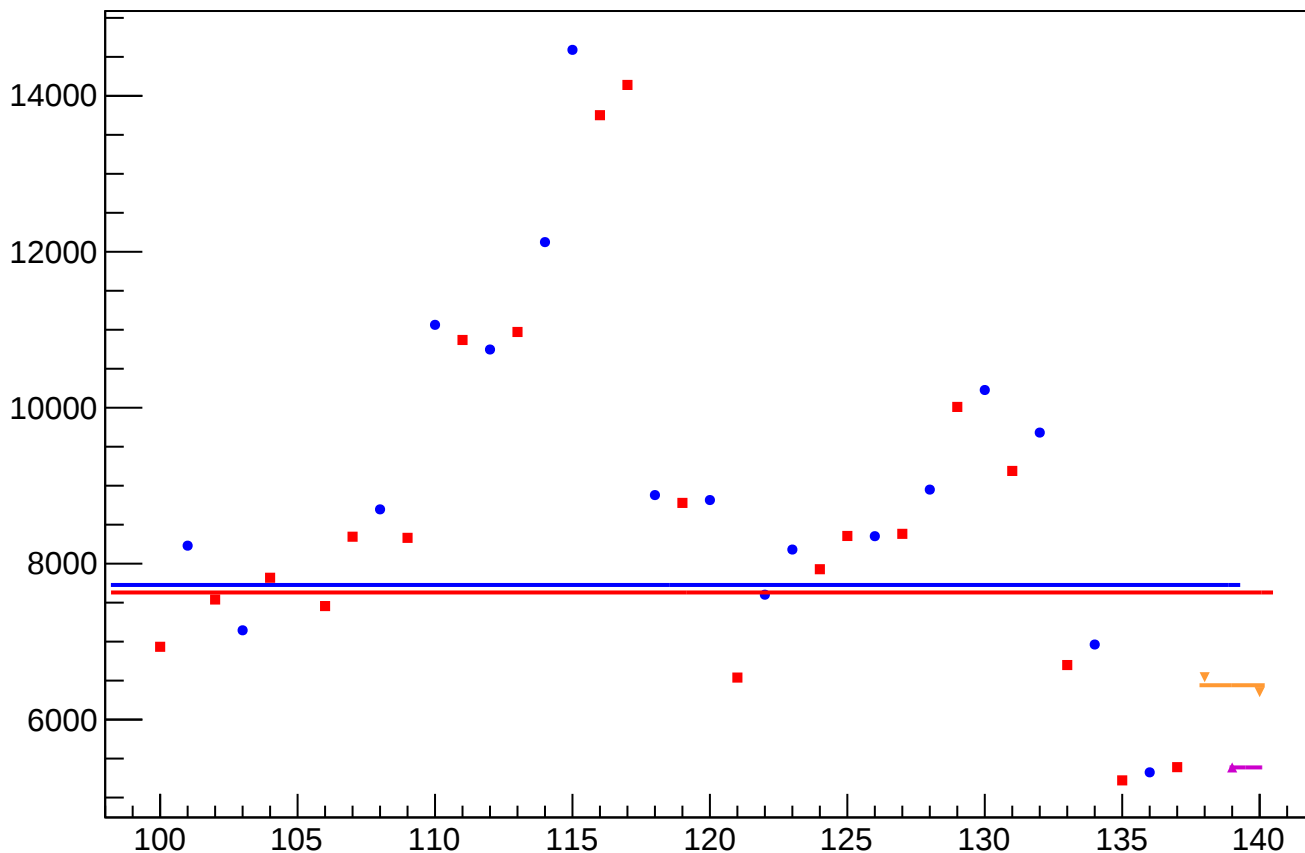
Right Out: 5.000 ± 2.937 χ^2/NDF : 20.2/19

Left In: 8.260 ± 6.355 χ^2/NDF : 0.0/0

-0.498 ± 2.656 χ^2/NDF : 20.3/18

5.574 ± 2.666 χ^2/NDF : 20.4/20

diff_bpm4aY_rms vs Slug



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 6440.622+/-3.697 χ^2/NDF : 665.0/1

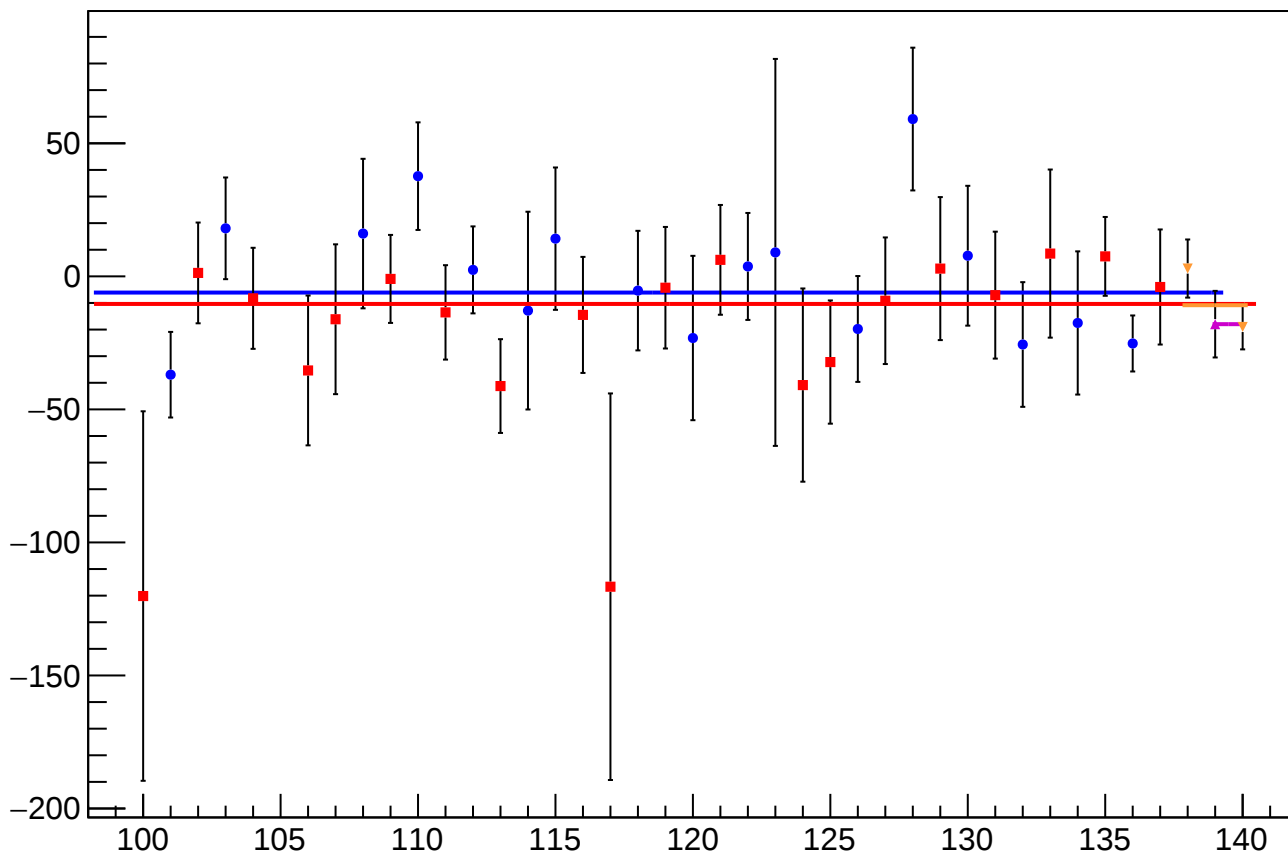
Right Out: 7630.342+/-2.077 χ^2/NDF : 693444.5/19

Left In: 5386.431+/-4.493 χ^2/NDF : 0.0/0

7394.790+/-1.878 χ^2/NDF : 832982.8/18

7235.418+/-1.885 χ^2/NDF : 898938.2/20

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

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

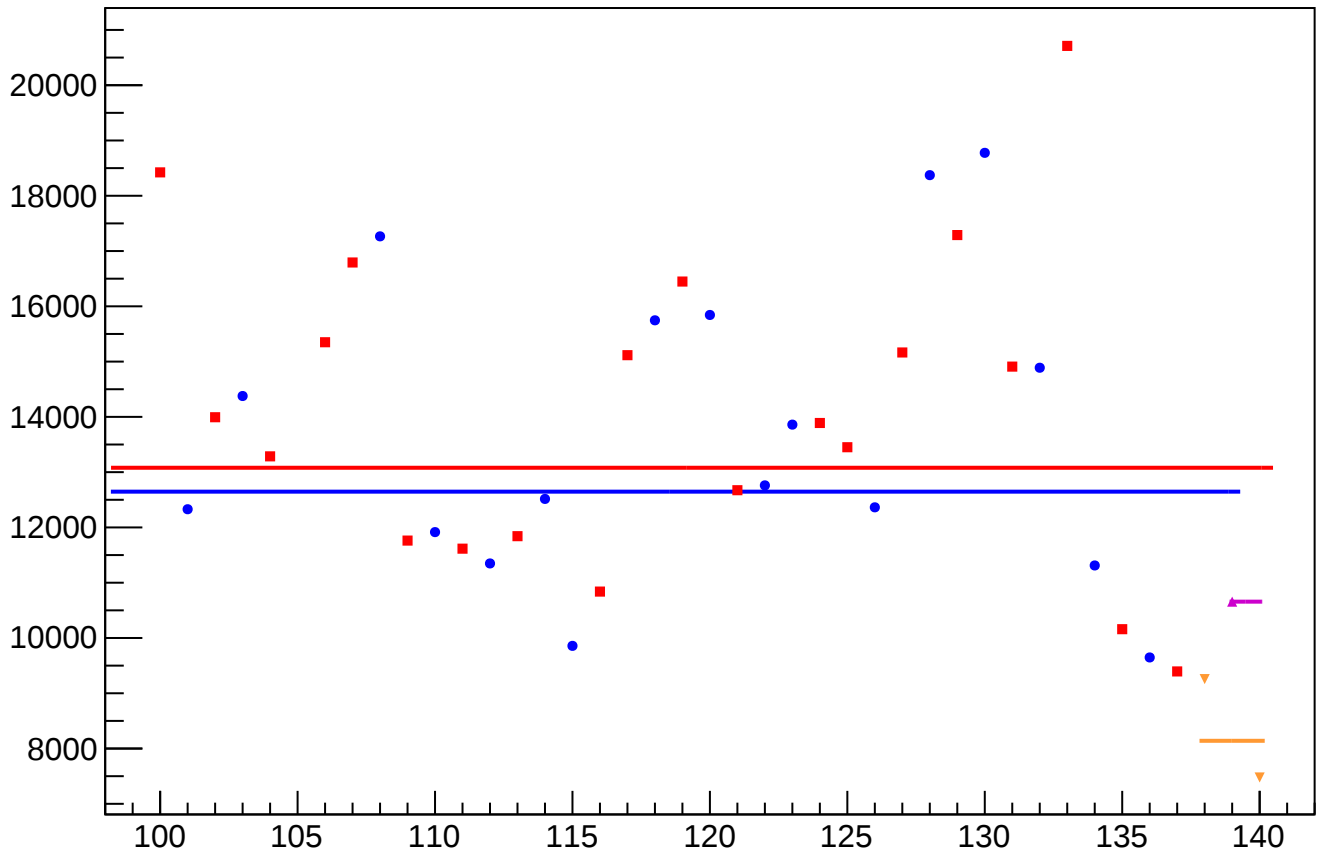
Right Out: -10.369 ± 4.992 χ^2/NDF : 13.8/19

Left In: -17.969 ± 12.514 χ^2/NDF : 0.0/0

-7.815 ± 4.018 χ^2/NDF : 25.7/18

-11.412 ± 4.636 χ^2/NDF : 14.1/20

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

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

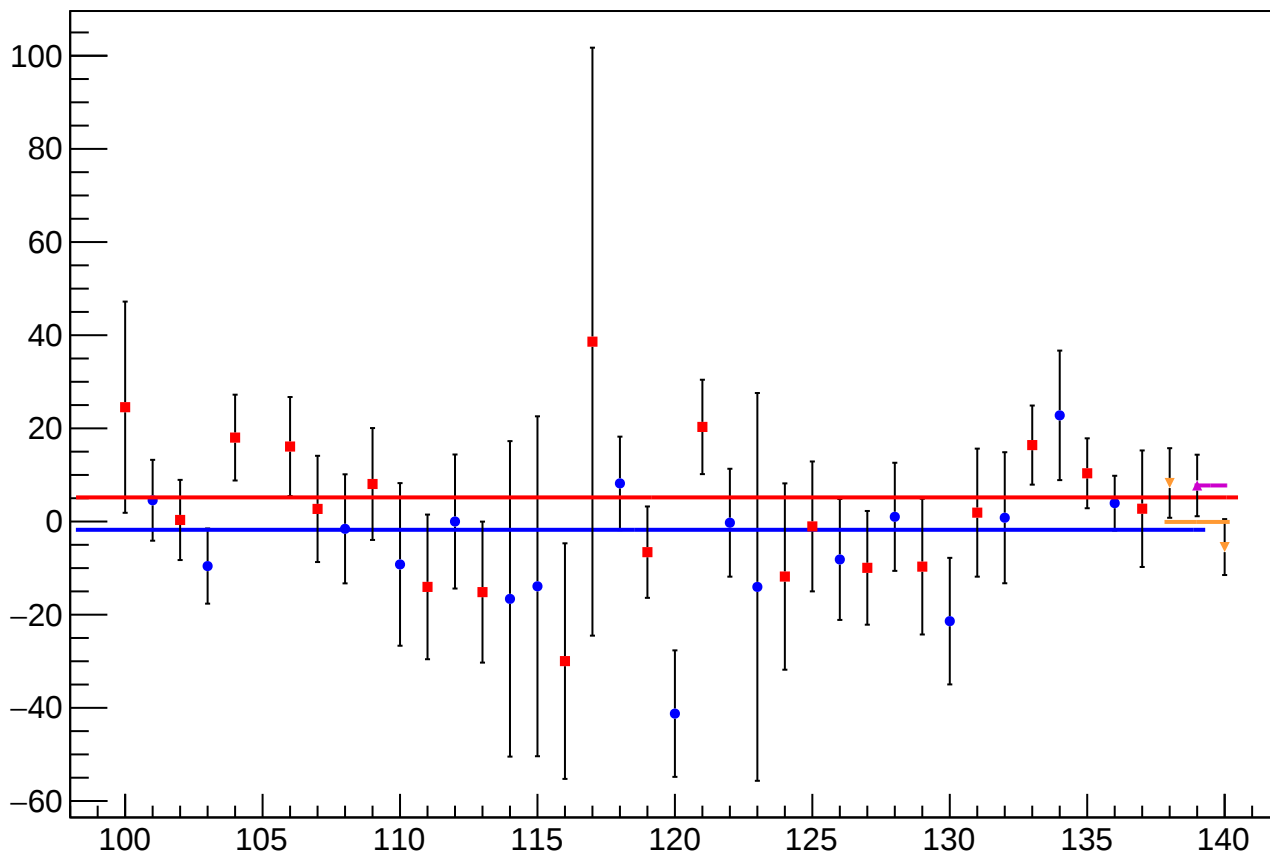
11011.472+/-2.841 χ^2/NDF : 1169571.4/18

Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

12747.060+/-3.278 χ^2/NDF : 562505.2/20

Left In: 10657.285+/-8.848 χ^2/NDF : 0.0/0

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

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

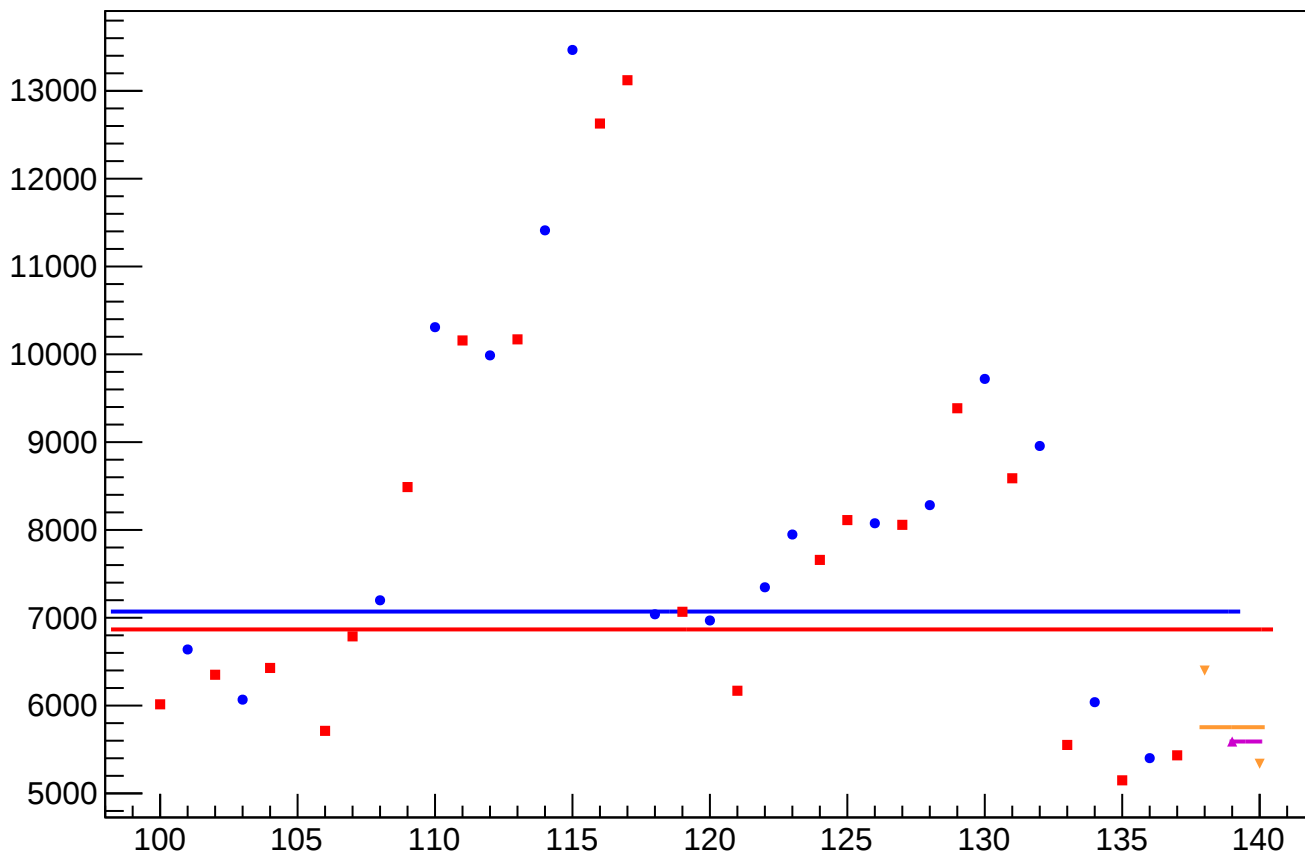
Right Out: 5.181 ± 2.640 χ^2/NDF : 19.2/19

Left In: 7.741 ± 6.605 χ^2/NDF : 0.0/0

-1.330 ± 2.406 χ^2/NDF : 20.1/18

5.533 ± 2.451 χ^2/NDF : 19.3/20

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 5753.837 $\pm$ 3.309 χ^2 /NDF:24505.5/1

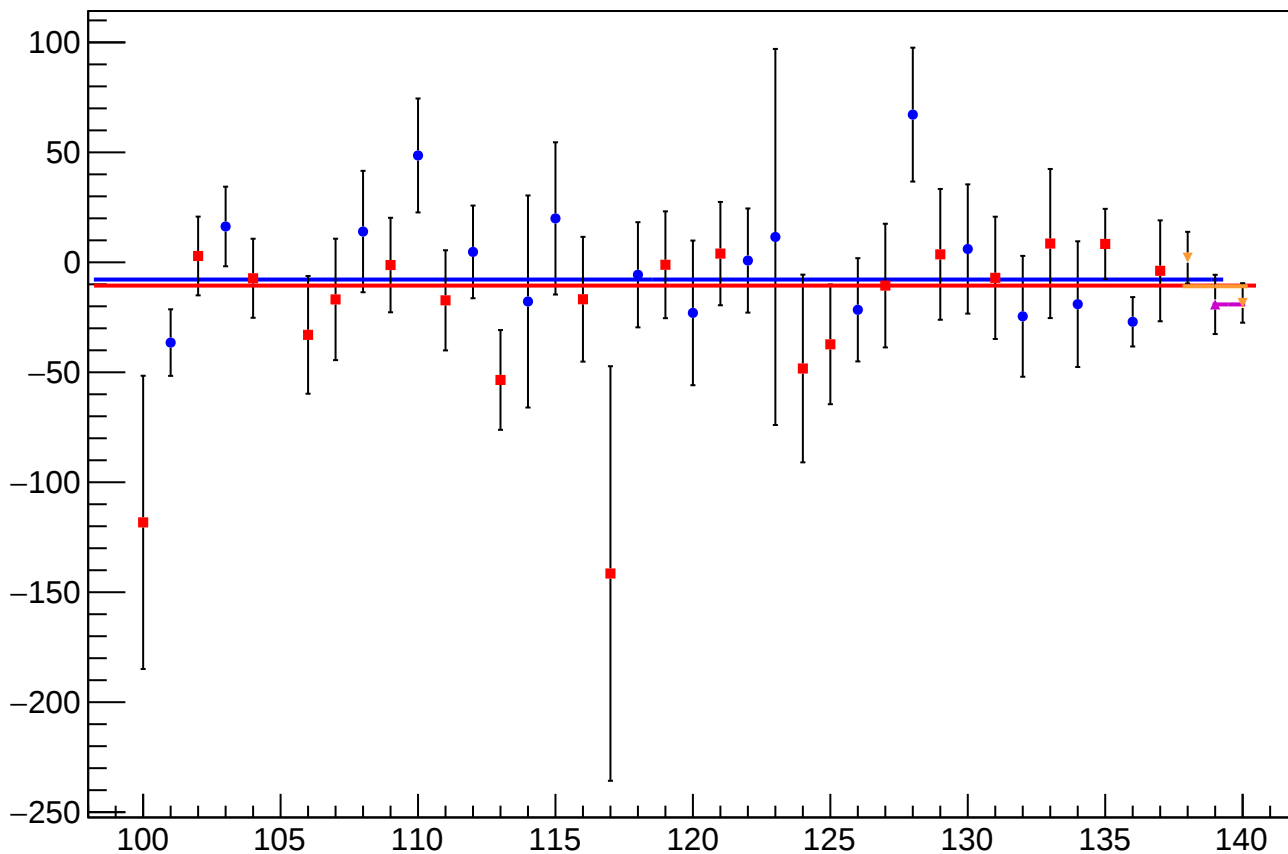
Right Out: 6867.094 $\pm$ 1.866 χ^2 /NDF: 701892.5/19

Left In: 5590.706 $\pm$ 4.670 χ^2 /NDF:0.0/0

6722.388 $\pm$ 1.702 χ^2 /NDF: 742696.8/18

6691.311 $\pm$ 1.733 χ^2 /NDF: 766297.8/20

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -10.881 ± 7.132 χ^2/NDF : 1.9/1

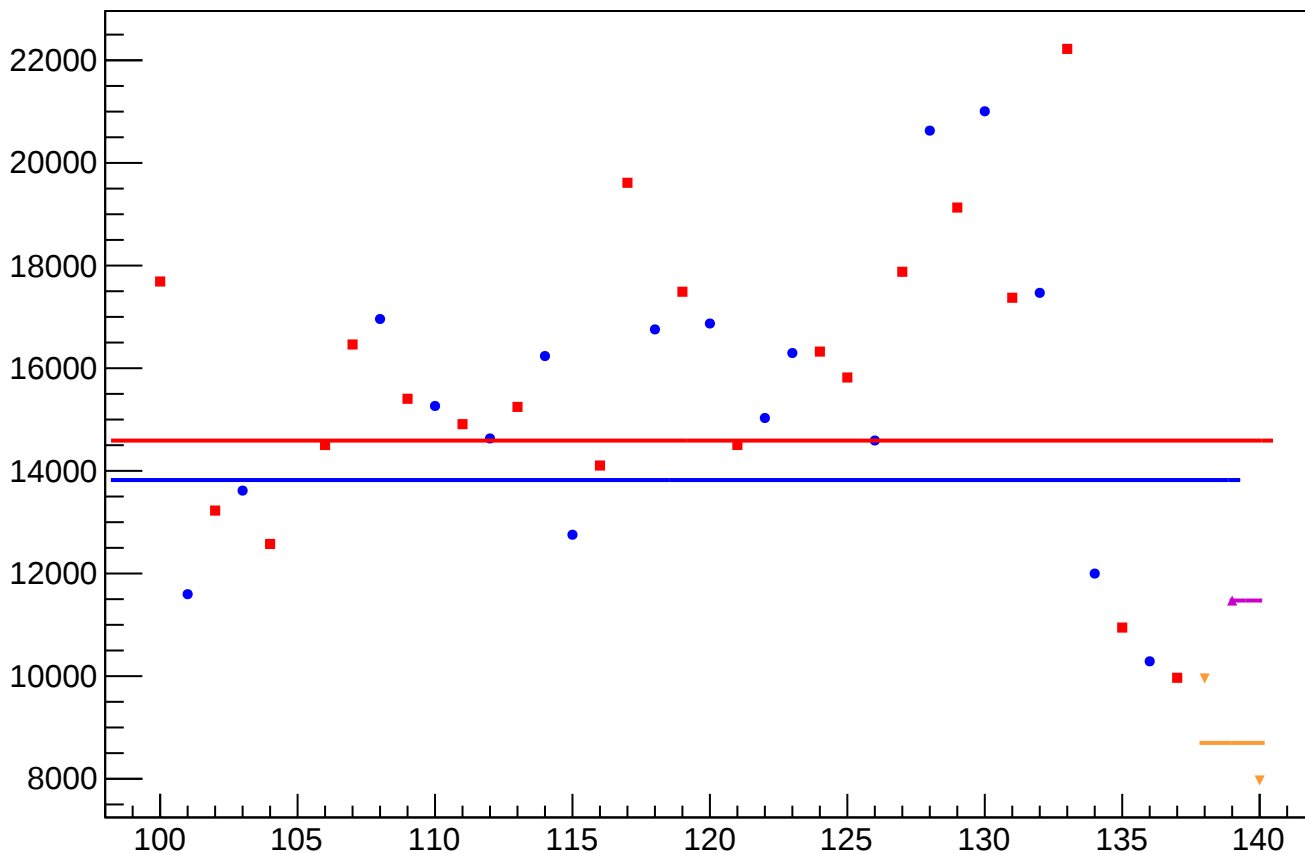
Right Out: -10.574 ± 5.561 χ^2/NDF : 14.1/19

Left In: -19.143 ± 13.472 χ^2/NDF : 0.0/0

-8.969 ± 4.363 χ^2/NDF : 24.3/18

-11.822 ± 5.141 χ^2/NDF : 14.5/20

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

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

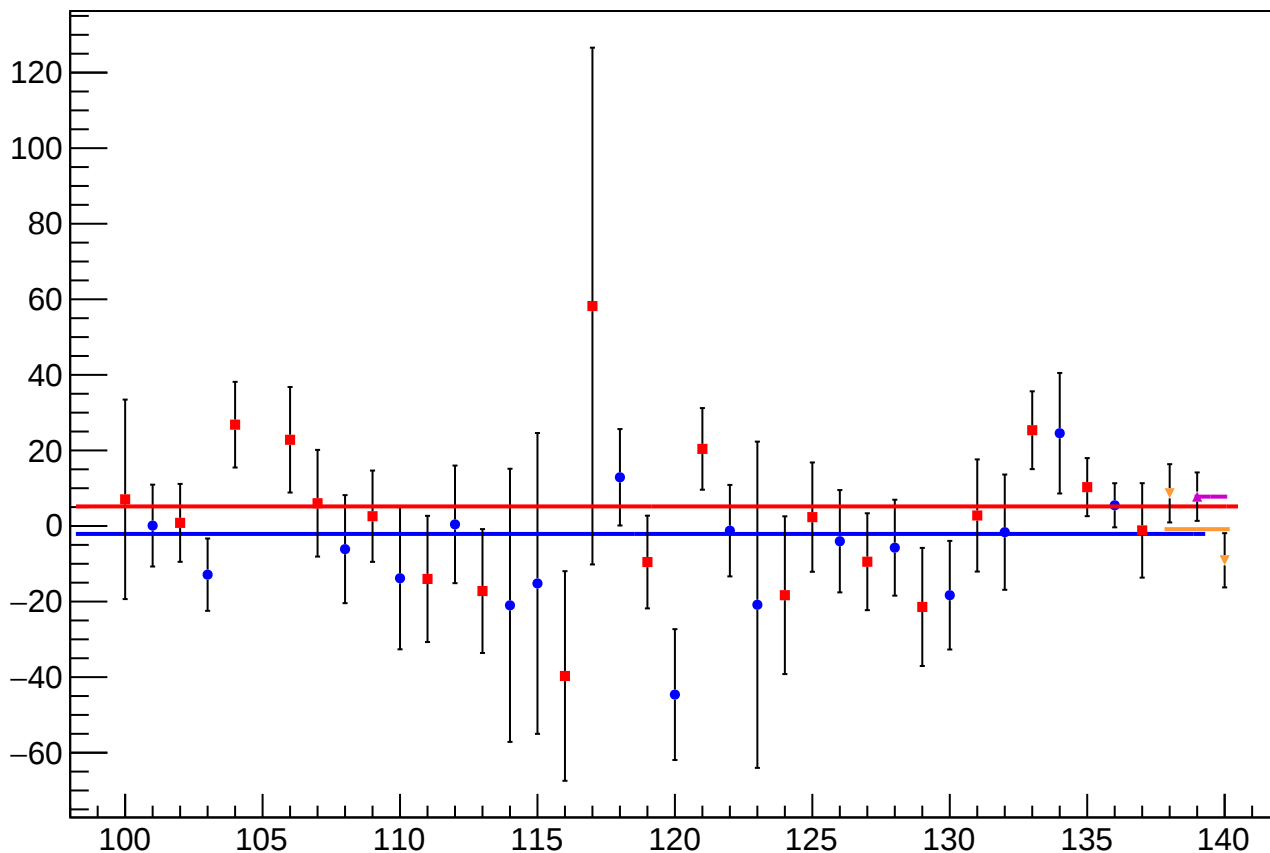
11904.360+/-3.085 χ^2/NDF : 1284169.6/18

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

14136.201+/-3.635 χ^2/NDF : 569616.6/20

Left In: 11473.497+/-9.526 χ^2/NDF :0.0/0

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: -0.835 ± 5.254 χ^2/NDF : 2.8/1

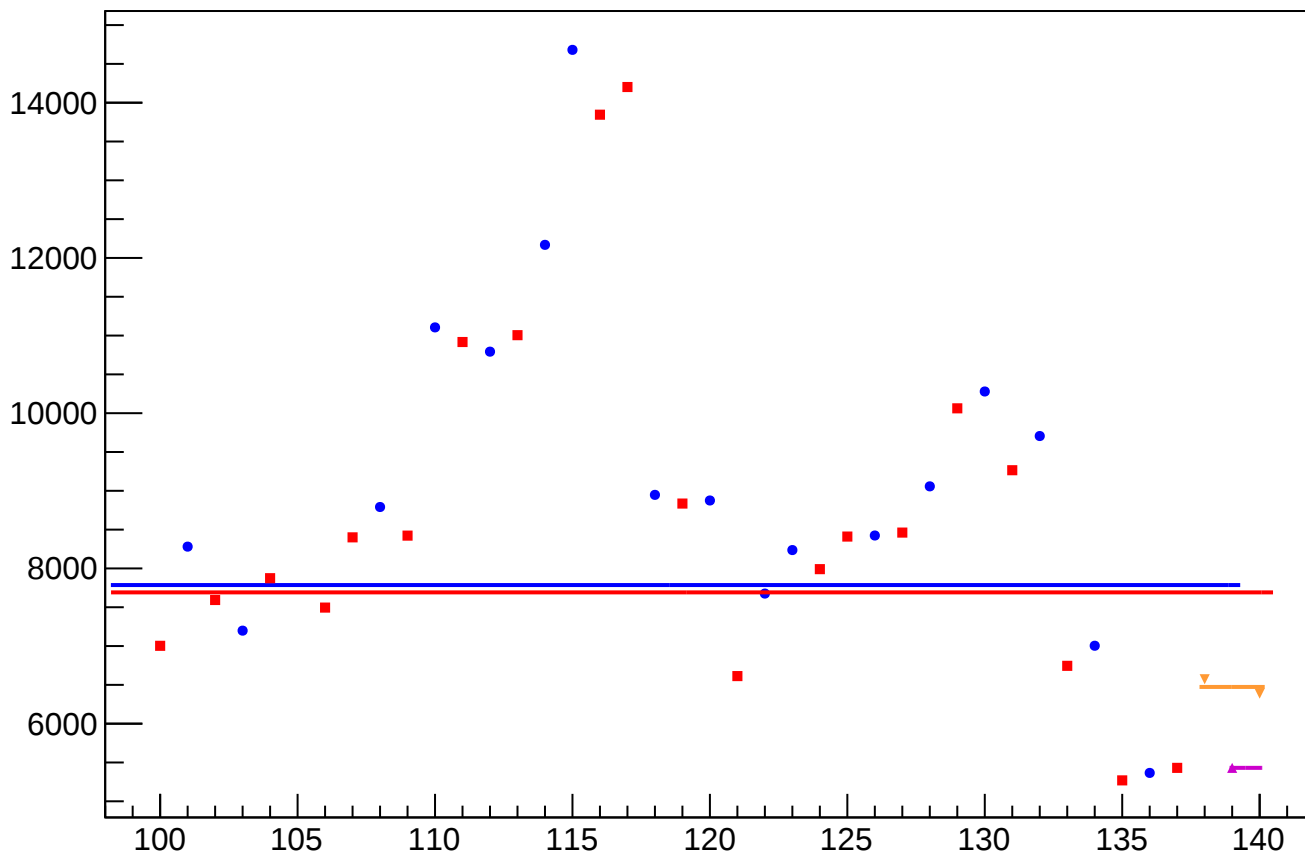
Right Out: 5.184 ± 2.959 χ^2/NDF : 25.4/19

Left In: 7.771 ± 6.405 χ^2/NDF : 0.0/0

-1.771 ± 2.674 χ^2/NDF : 18.5/18

5.639 ± 2.687 χ^2/NDF : 25.5/20

diff_bpm4acY_rms vs Slug



Right In: 7785.931 $\pm$ 2.197 χ^2/NDF : 738101.9/16

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

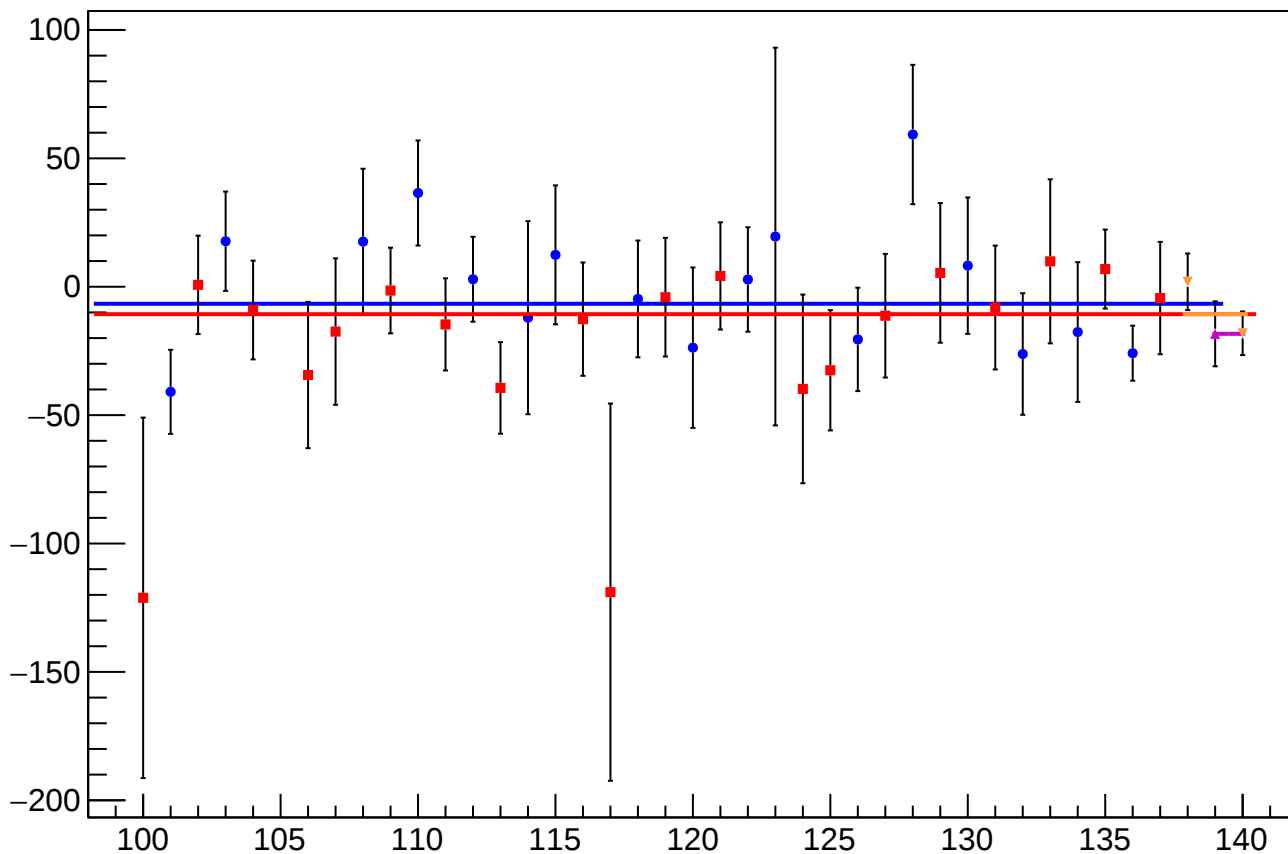
Right Out: 7691.398 $\pm$ 2.093 χ^2/NDF : 686898.9/19

Left In: 5430.845 $\pm$ 4.529 χ^2/NDF : 0.0/0

7445.842 $\pm$ 1.891 χ^2/NDF : 831247.0/18

7293.705 $\pm$ 1.900 χ^2/NDF : 892193.3/20

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -10.645 ± 6.731 χ^2/NDF : 2.1/1

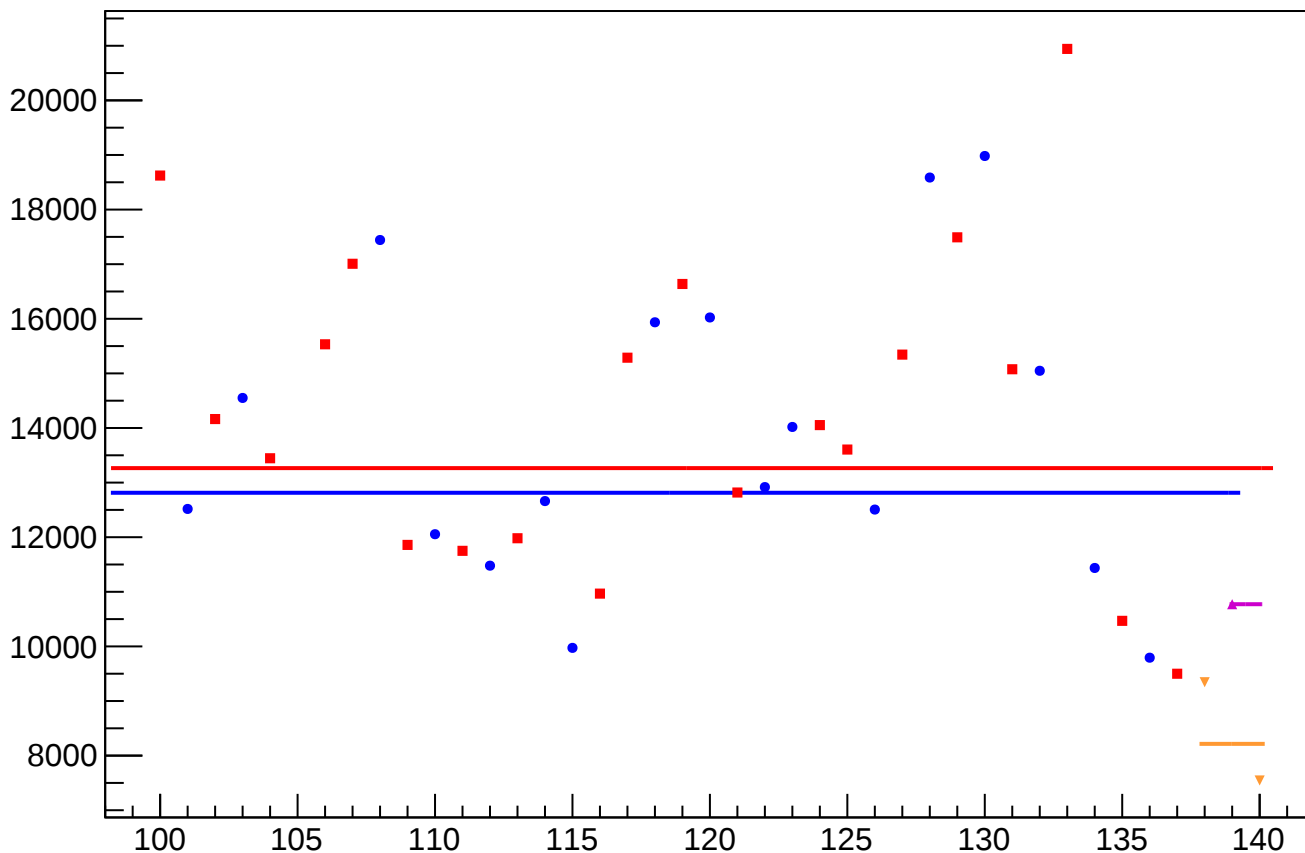
Right Out: -10.688 ± 5.063 χ^2/NDF : 13.0/19

Left In: -18.332 ± 12.649 χ^2/NDF : 0.0/0

-8.098 ± 4.066 χ^2/NDF : 25.7/18

-11.744 ± 4.700 χ^2/NDF : 13.3/20

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

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

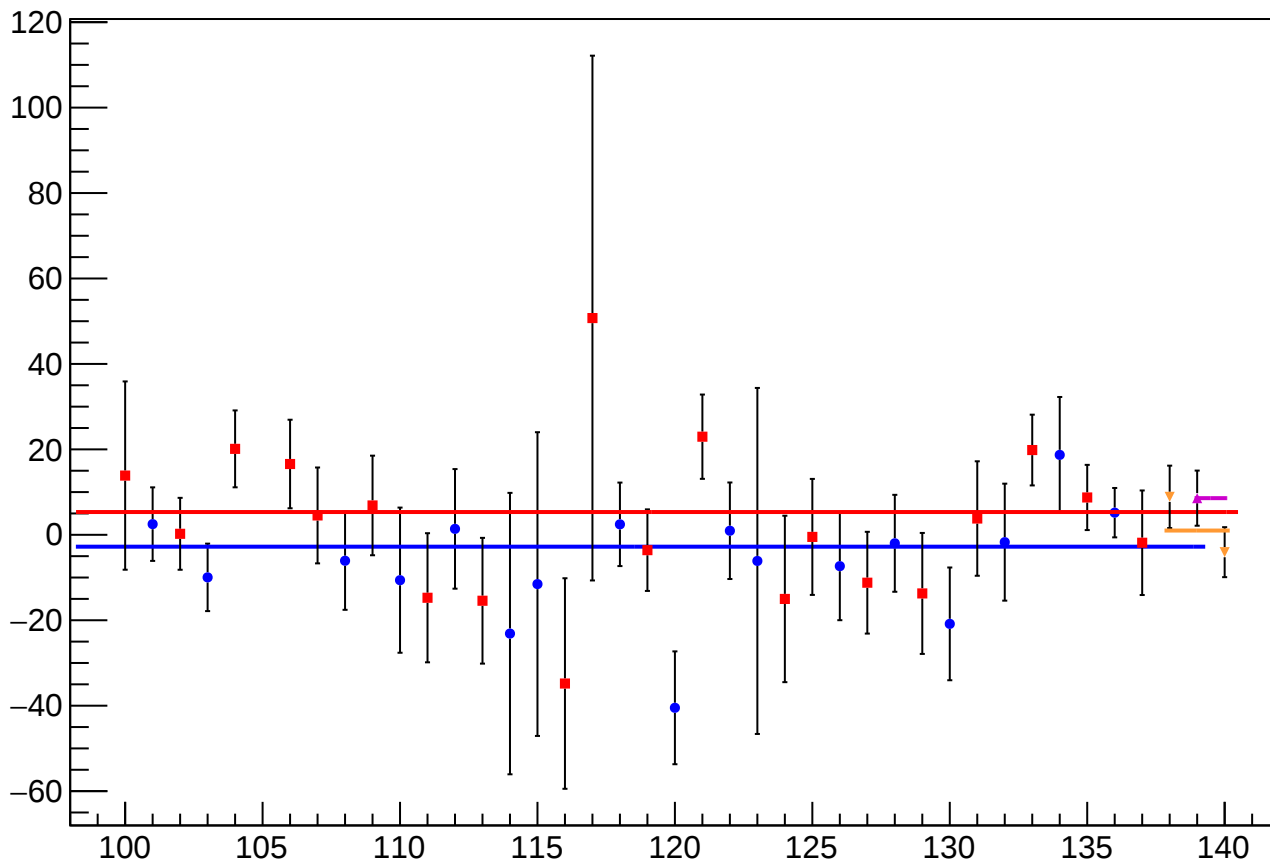
Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

Left In: 10772.908+/-8.944 χ^2/NDF :0.0/0

11136.099+/-2.875 χ^2/NDF : 1174423.4/18

12921.070+/-3.324 χ^2/NDF : 552731.1/20

diff_bpm4ecY_mean vs Slug



Right In: -2.778 $\pm$ 2.747 χ^2 /NDF: 17.0/16

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

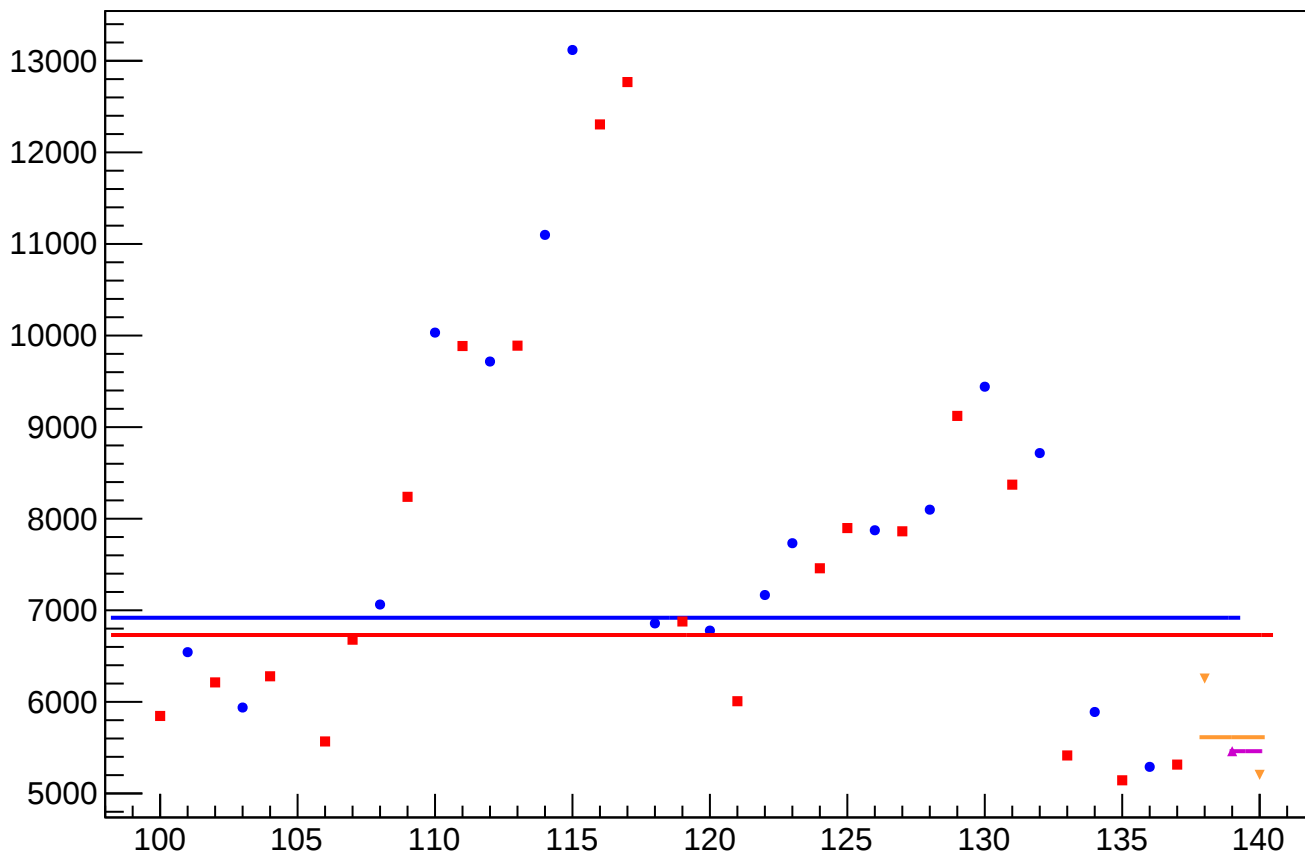
Right Out: 5.332 $\pm$ 2.587 χ^2 /NDF: 24.1/19

Left In: 8.581 $\pm$ 6.453 χ^2 /NDF: 0.0/0

-1.774 $\pm$ 2.354 χ^2 /NDF: 19.4/18

5.782 $\pm$ 2.401 χ^2 /NDF: 24.3/20

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

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

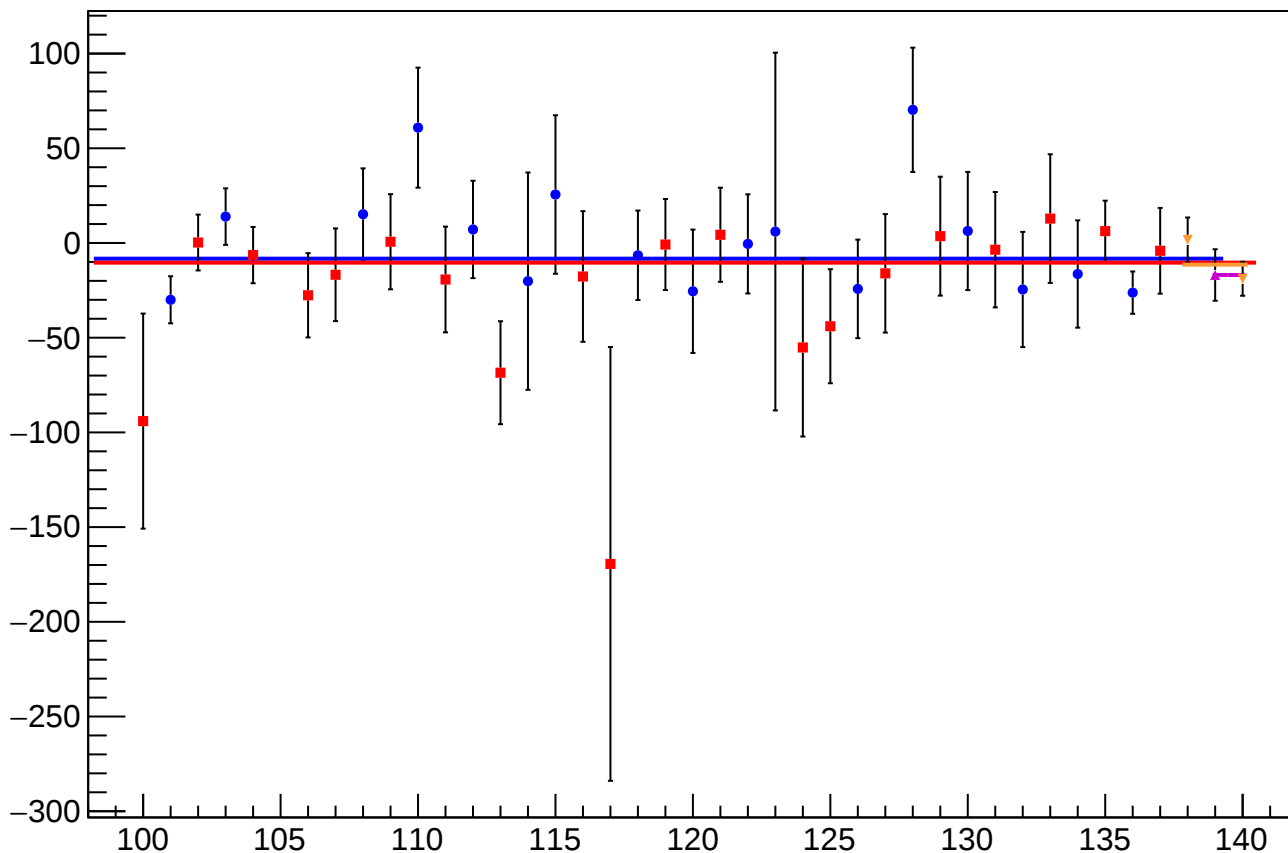
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 5461.555+/-4.563 χ^2/NDF : 0.0/0

6571.920+/-1.665 χ^2/NDF : 733031.0/18

6554.433+/-1.698 χ^2/NDF : 739786.2/20

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -11.428 ± 7.139 χ^2/NDF : 1.9/1

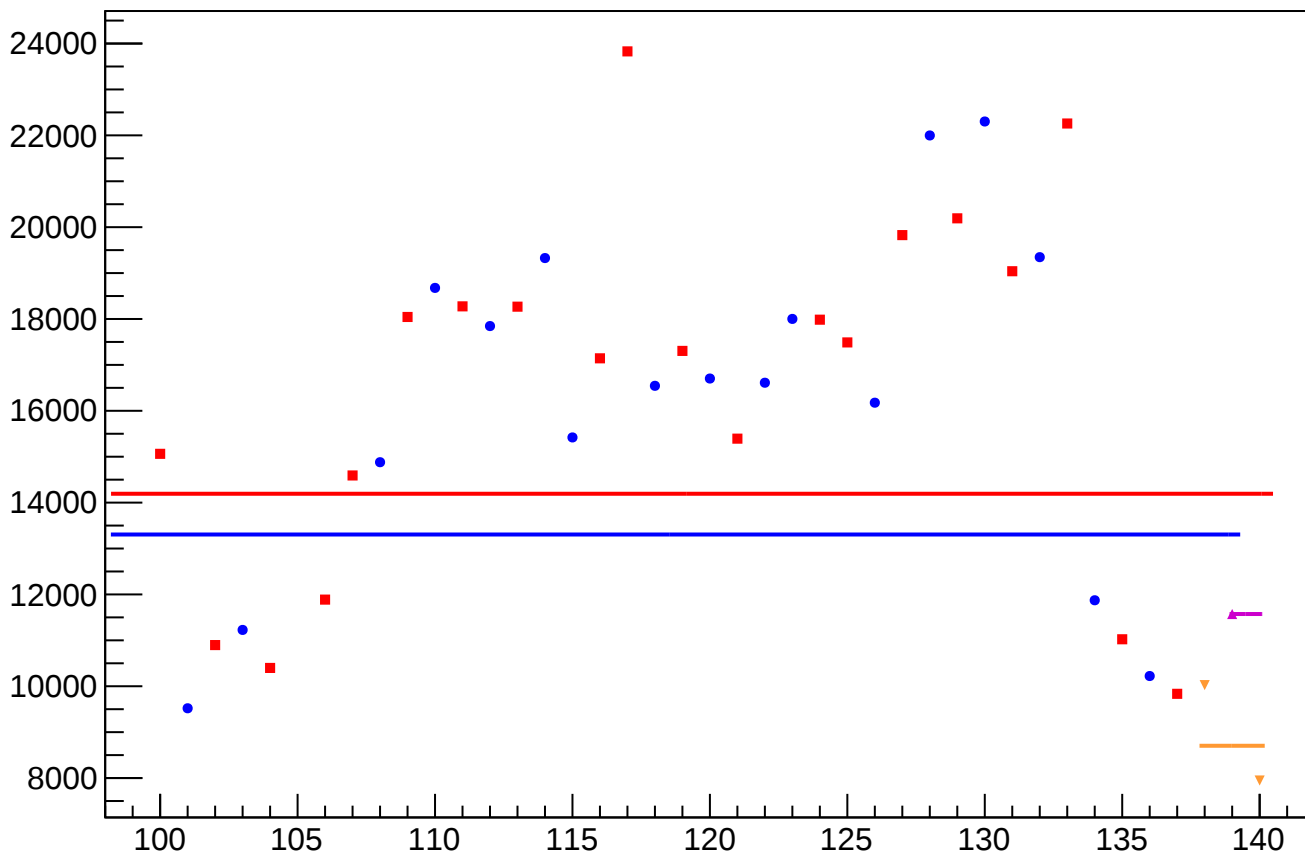
Right Out: -10.376 ± 5.507 χ^2/NDF : 14.8/19

Left In: -16.901 ± 13.589 χ^2/NDF : 0.0/0

-9.432 ± 4.312 χ^2/NDF : 23.7/18

-11.296 ± 5.104 χ^2/NDF : 15.0/20

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

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

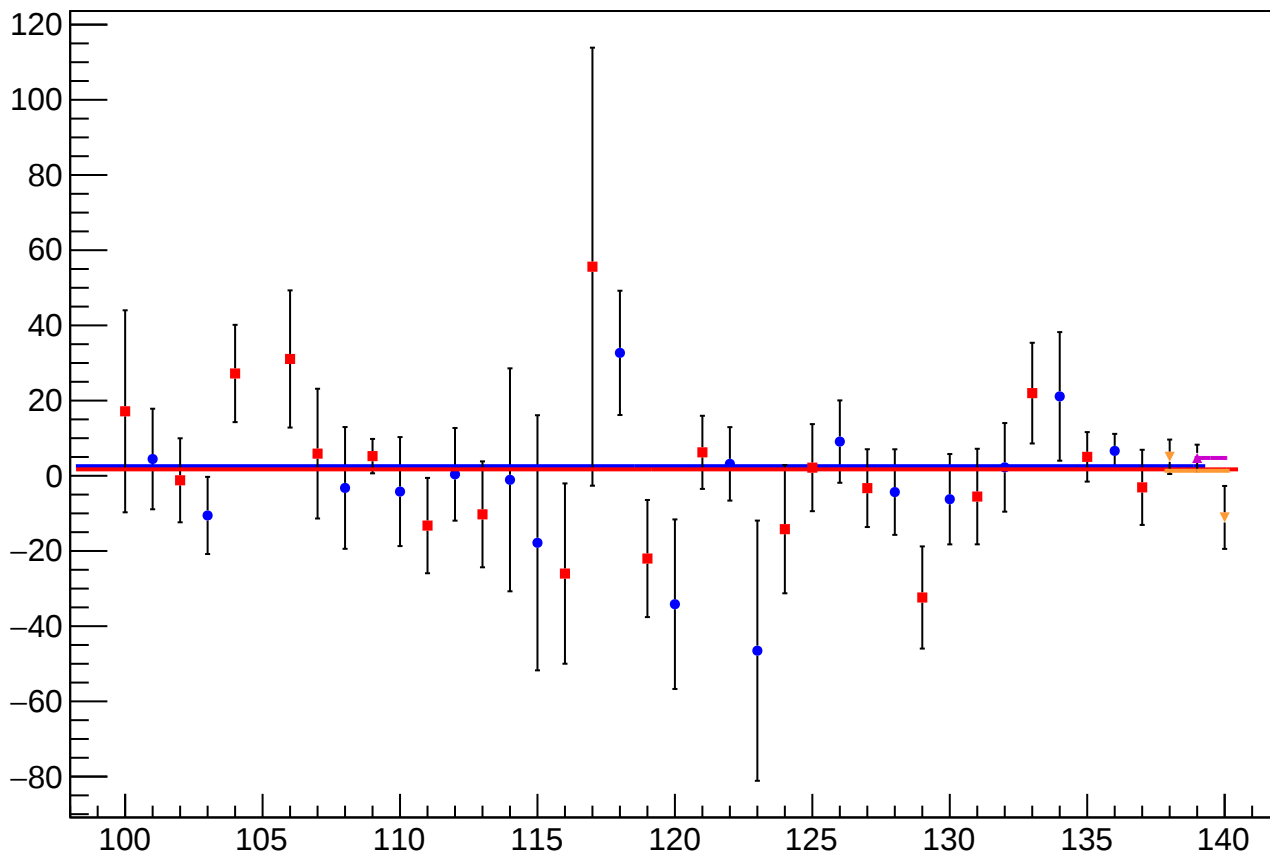
11626.719+/-3.049 χ^2/NDF : 1611203.1/18

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

13823.490+/-3.609 χ^2/NDF : 1008654.3/20

Left In: 11573.318+/-9.609 χ^2/NDF : 0.0/0

diff_bpm1Y_mean vs Slug



Right In: 2.551 $\pm$ 2.757 χ^2 /NDF: 13.6/16

Left Out: 1.335 $\pm$ 4.018 χ^2 /NDF: 2.9/1

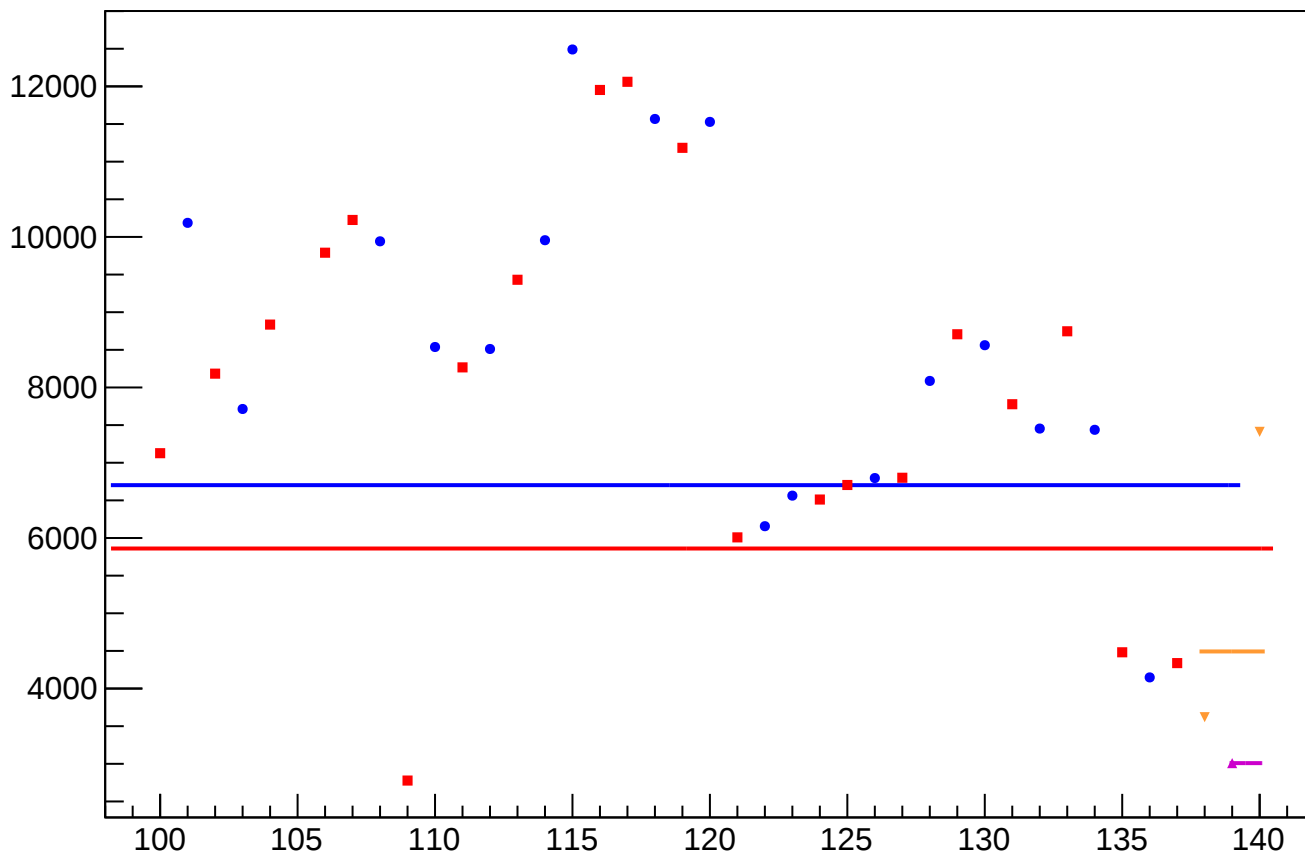
Right Out: 1.708 $\pm$ 2.440 χ^2 /NDF: 24.9/19

Left In: 4.743 $\pm$ 3.534 χ^2 /NDF: 0.0/0

2.162 $\pm$ 2.273 χ^2 /NDF: 16.6/18

2.688 $\pm$ 2.008 χ^2 /NDF: 25.4/20

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

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

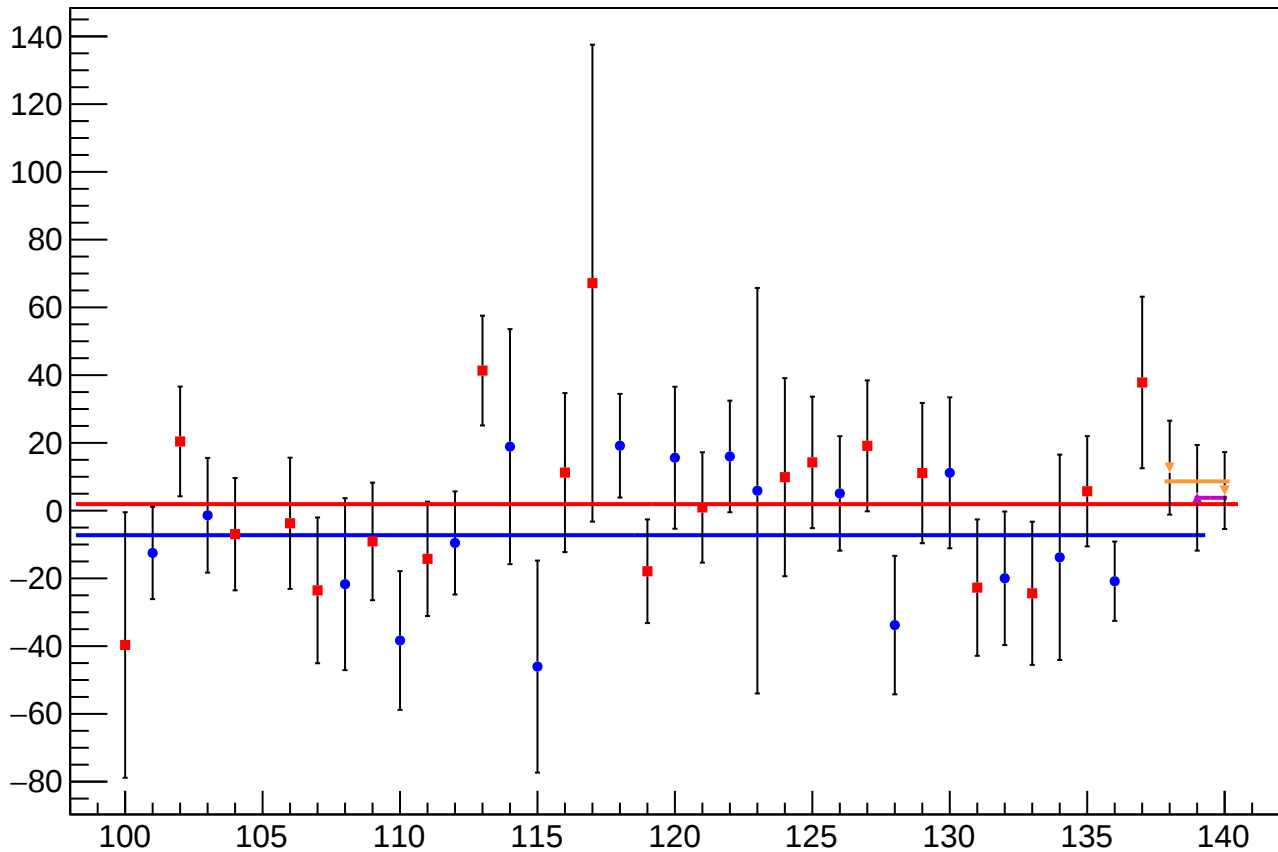
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 3009.234+/-2.499 χ^2/NDF : 0.0/0

5994.993+/-1.607 χ^2/NDF : 2116924.3/18

4940.077+/-1.420 χ^2/NDF : 3182659.2/20

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 8.645 ± 8.783 χ^2/NDF : 0.1/1

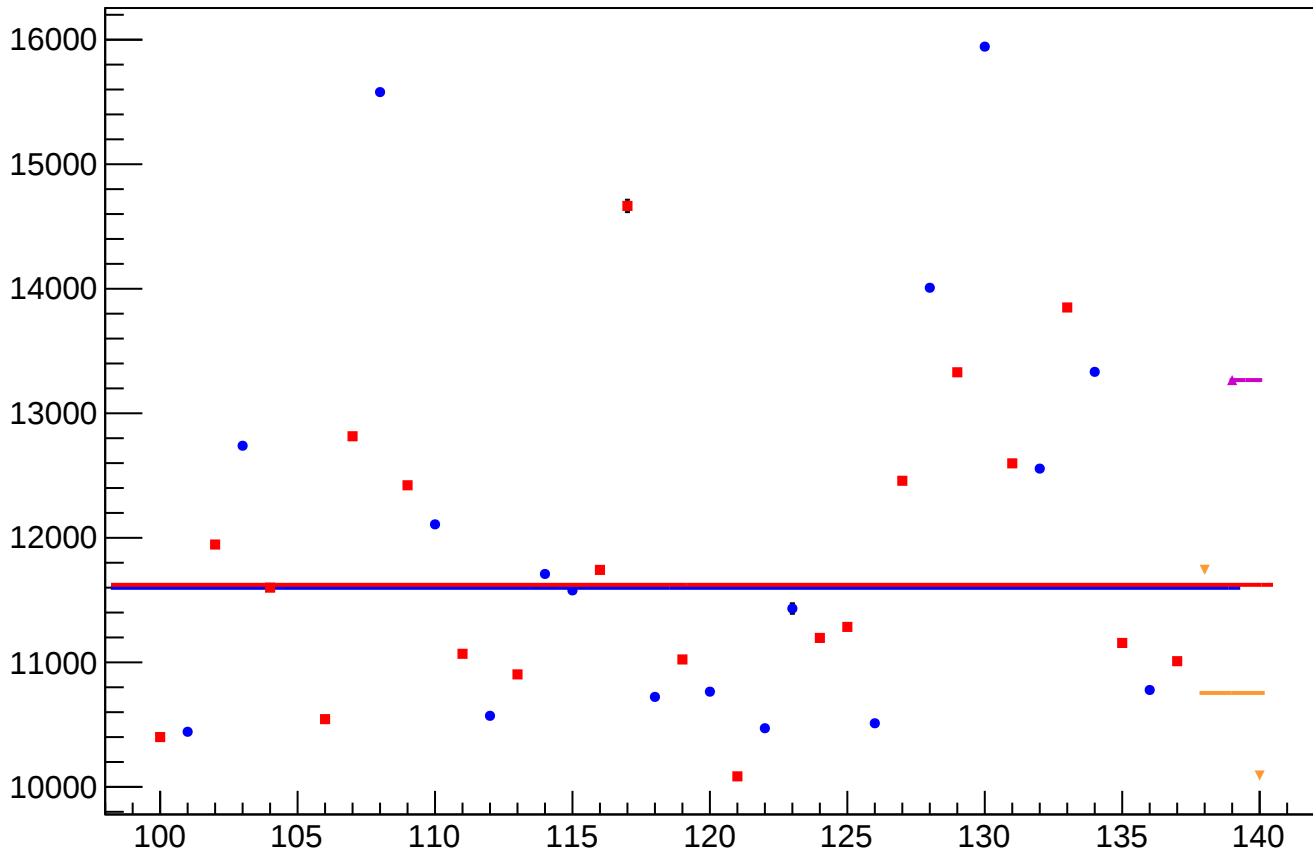
Right Out: 1.922 ± 4.365 χ^2/NDF : 20.7/19

Left In: 3.785 ± 15.592 χ^2/NDF : 0.0/0

-3.887 ± 4.038 χ^2/NDF : 18.7/18

2.058 ± 4.203 χ^2/NDF : 20.7/20

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

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

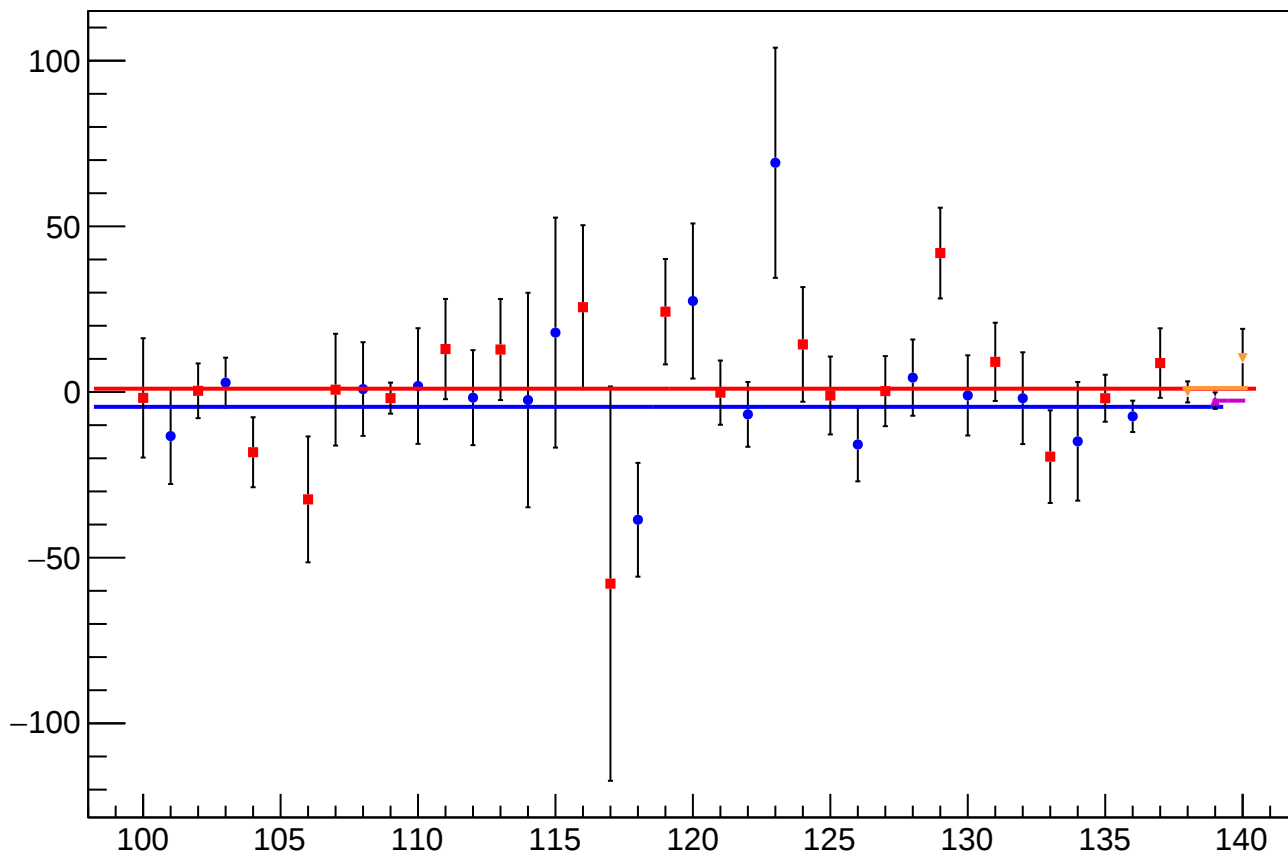
Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

Left In: 13266.842+/-11.025 χ^2/NDF : 0.0/0

11420.302+/-2.855 χ^2/NDF : 266992.7/18

11742.149+/-2.972 χ^2/NDF : 118819.2/20

diff_bpm11Y_mean vs Slug



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

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

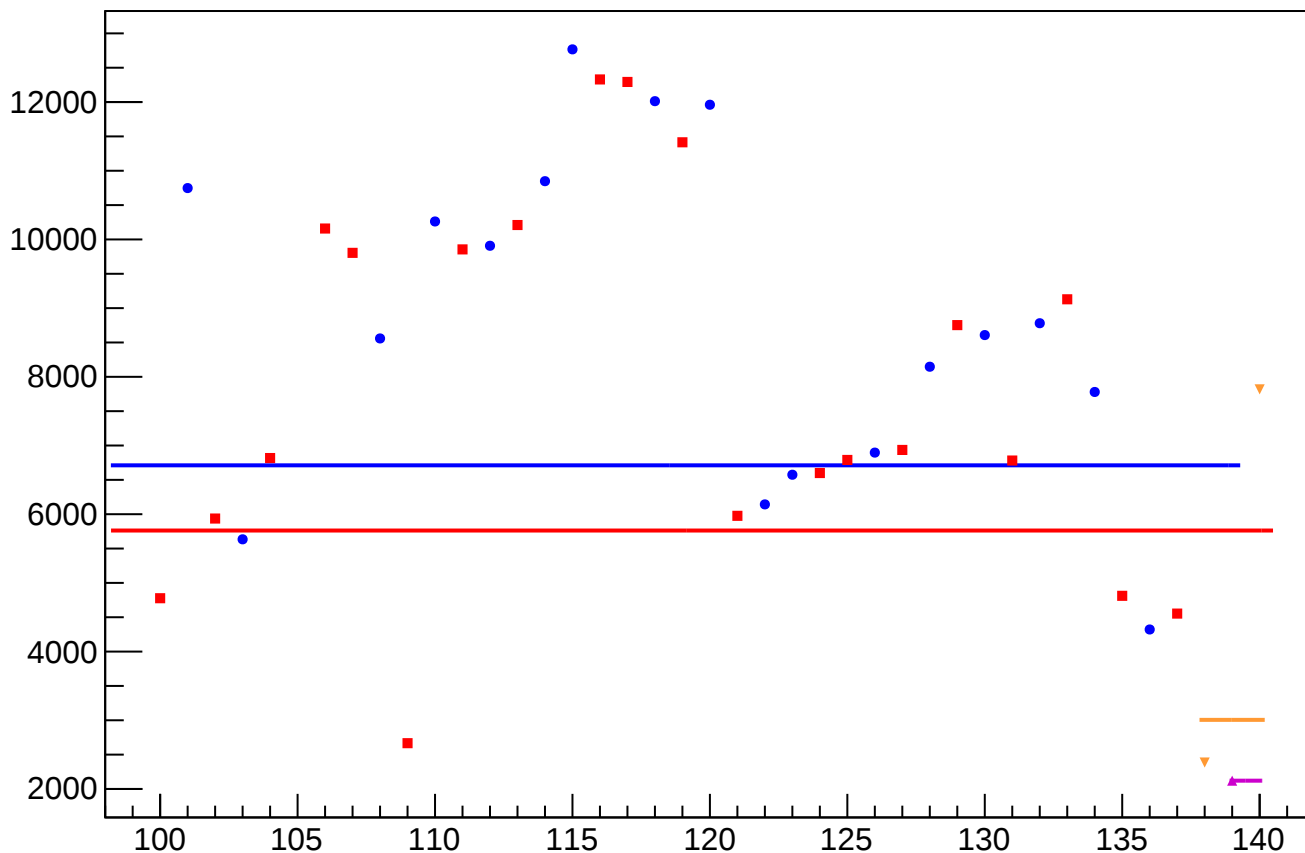
Right Out: 1.007 $\pm$ 2.427 χ^2/NDF : 25.0/19

Left In: -2.606 $\pm$ 2.491 χ^2/NDF : 0.0/0

-1.840 $\pm$ 2.037 χ^2/NDF : 18.0/18

-0.753 $\pm$ 1.738 χ^2/NDF : 26.1/20

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

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

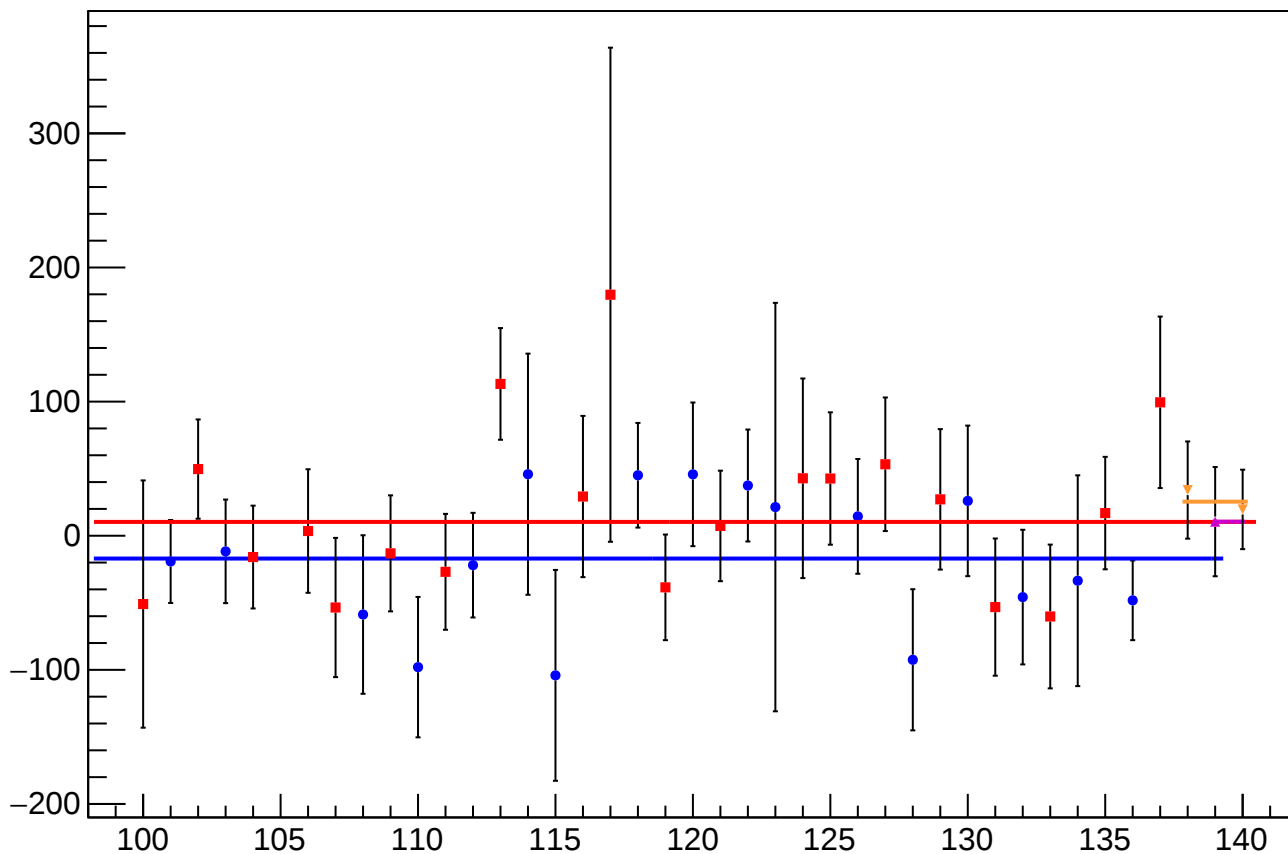
Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

Left In: 2120.636+/-1.761 χ^2/NDF : 0.0/0

4992.515+/-1.440 χ^2/NDF : 3761889.7/18

3988.937+/-1.229 χ^2/NDF : 4382243.7/20

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

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

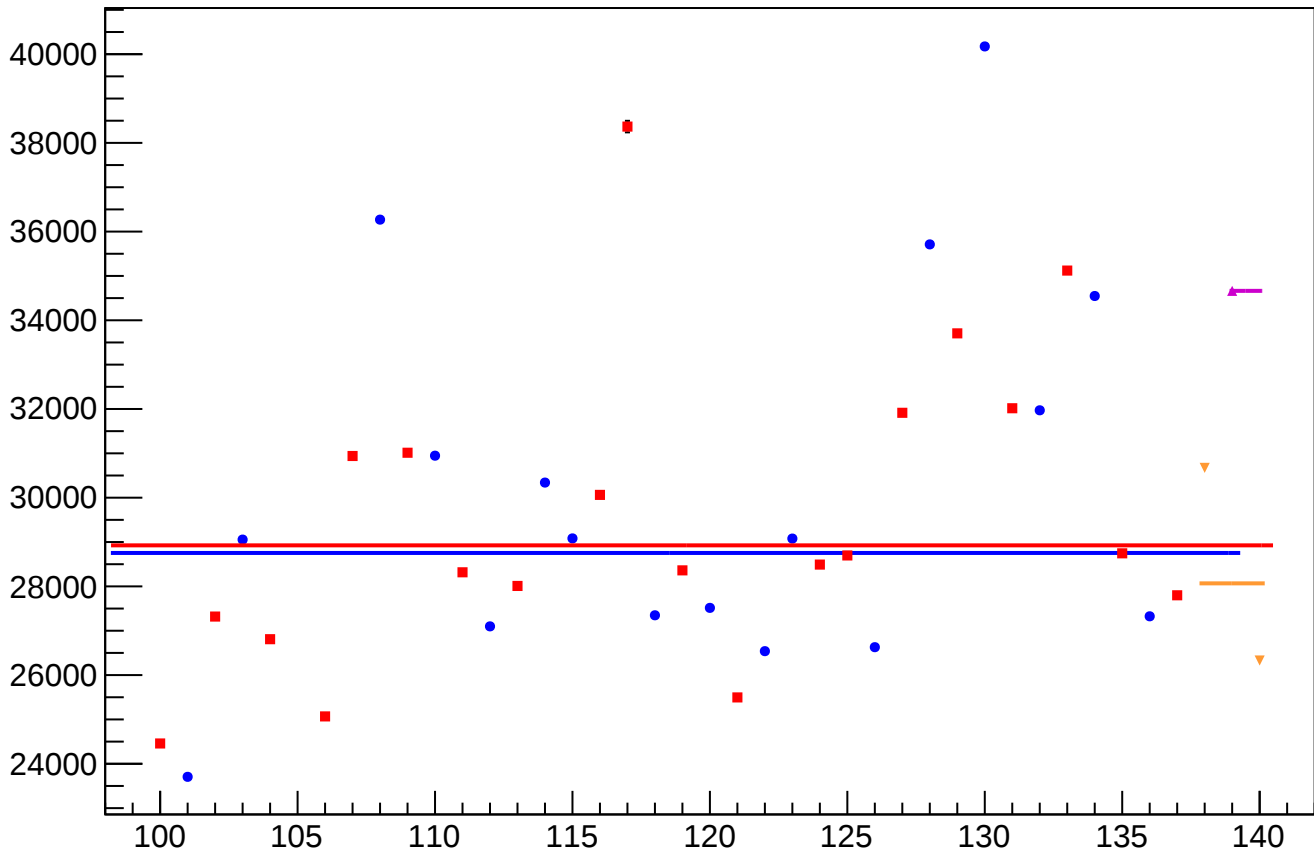
Right Out: 10.311 ± 10.872 χ^2/NDF : 19.9/19

Left In: 10.510 ± 40.723 χ^2/NDF : 0.0/0

-8.738 ± 10.127 χ^2/NDF : 17.8/18

10.325 ± 10.504 χ^2/NDF : 19.9/20

diff_bpm12X_rms vs Slug



Right In: 28753.787 ± 7.981 $\chi^2/\text{NDF}: 249215.1/16$

Left Out: 28068.070 ± 16.216 $\chi^2/\text{NDF}: 17227.5/1$

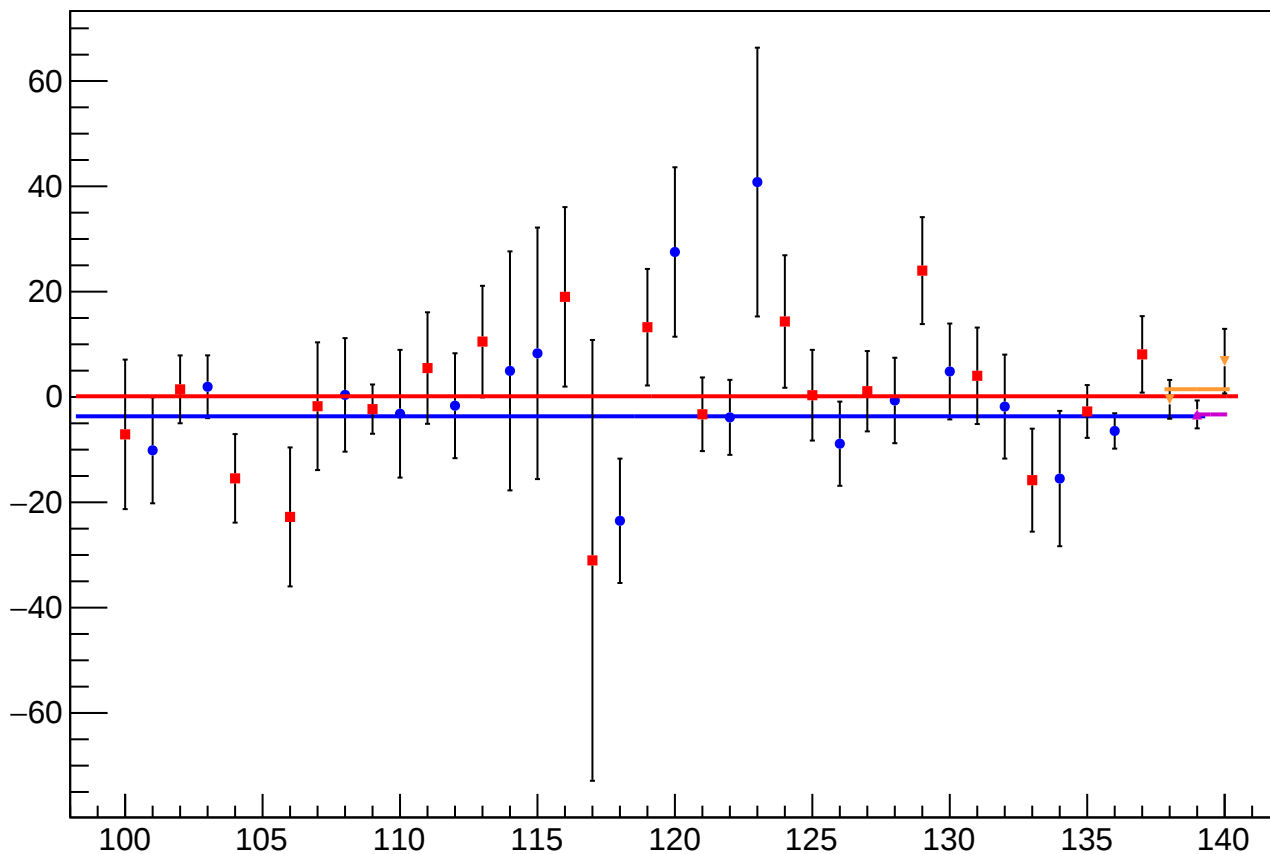
Right Out: 28925.160 ± 7.687 $\chi^2/\text{NDF}: 116514.7/19$

Left In: 34663.478 ± 28.795 $\chi^2/\text{NDF}: 0.0/0$

28620.069 ± 7.161 $\chi^2/\text{NDF}: 267882.1/18$

29306.932 ± 7.427 $\chi^2/\text{NDF}: 153584.8/20$

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

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

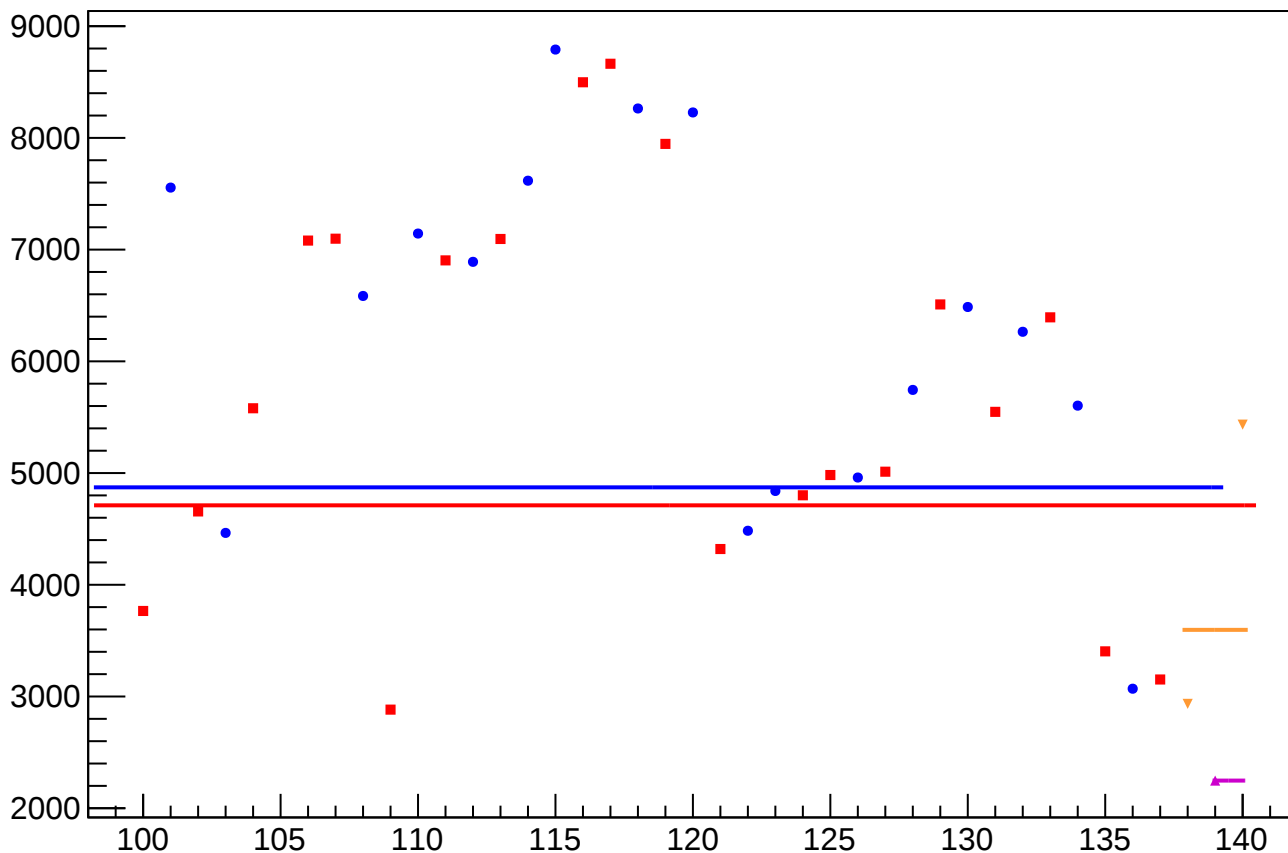
Right Out: 0.135 ± 1.891 χ^2/NDF : 22.9/19

Left In: -3.311 ± 2.646 χ^2/NDF : 0.0/0

-2.186 ± 1.696 χ^2/NDF : 17.4/18

-1.029 ± 1.538 χ^2/NDF : 24.0/20

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

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

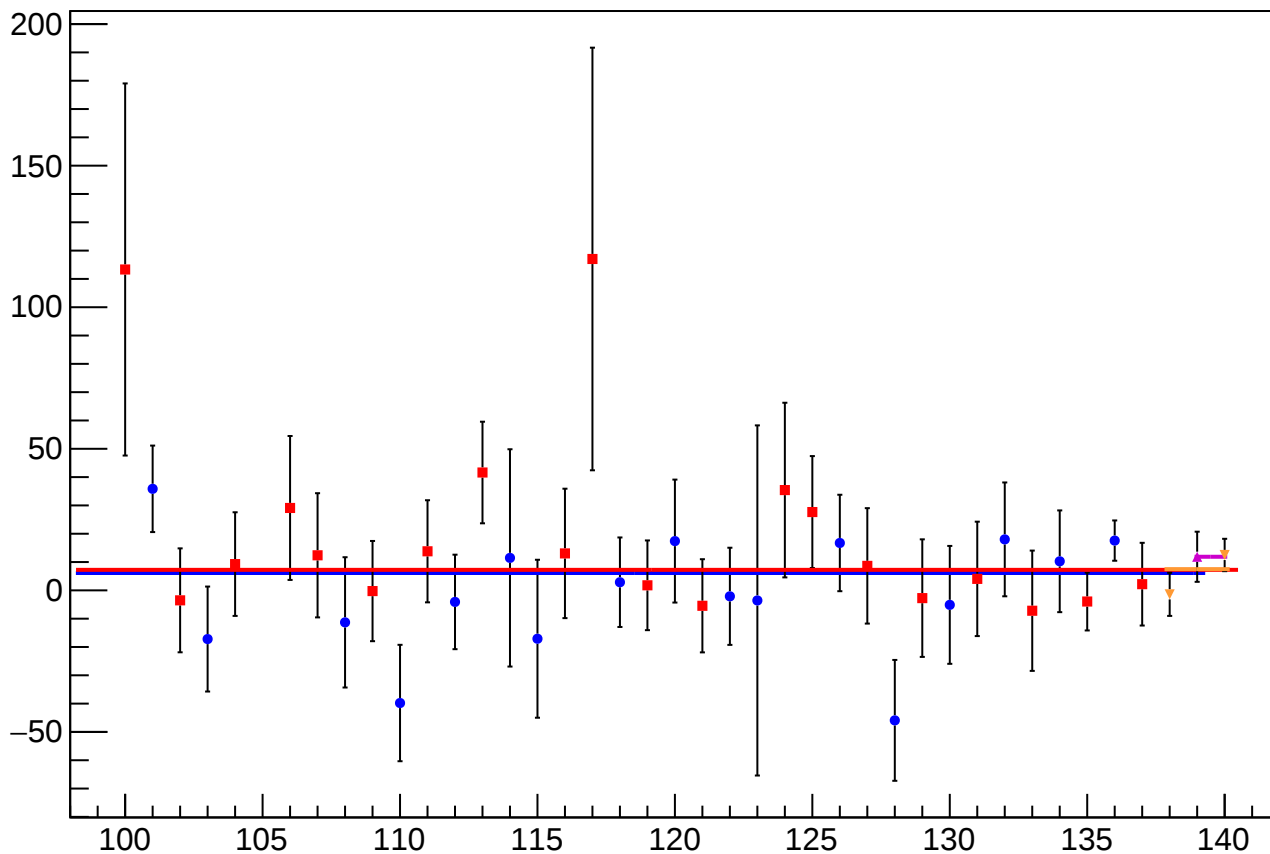
4504.505+/-1.199 χ^2/NDF : 1881385.5/18

Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

3878.415+/-1.088 χ^2/NDF : 2478305.1/20

Left In: 2247.316+/-1.871 χ^2/NDF : 0.0/0

diff_bpm16X_mean vs Slug



Right In: 6.133+/-4.080 χ^2/NDF : 22.2/16

Left Out: 7.486+/-4.571 χ^2/NDF : 2.1/1

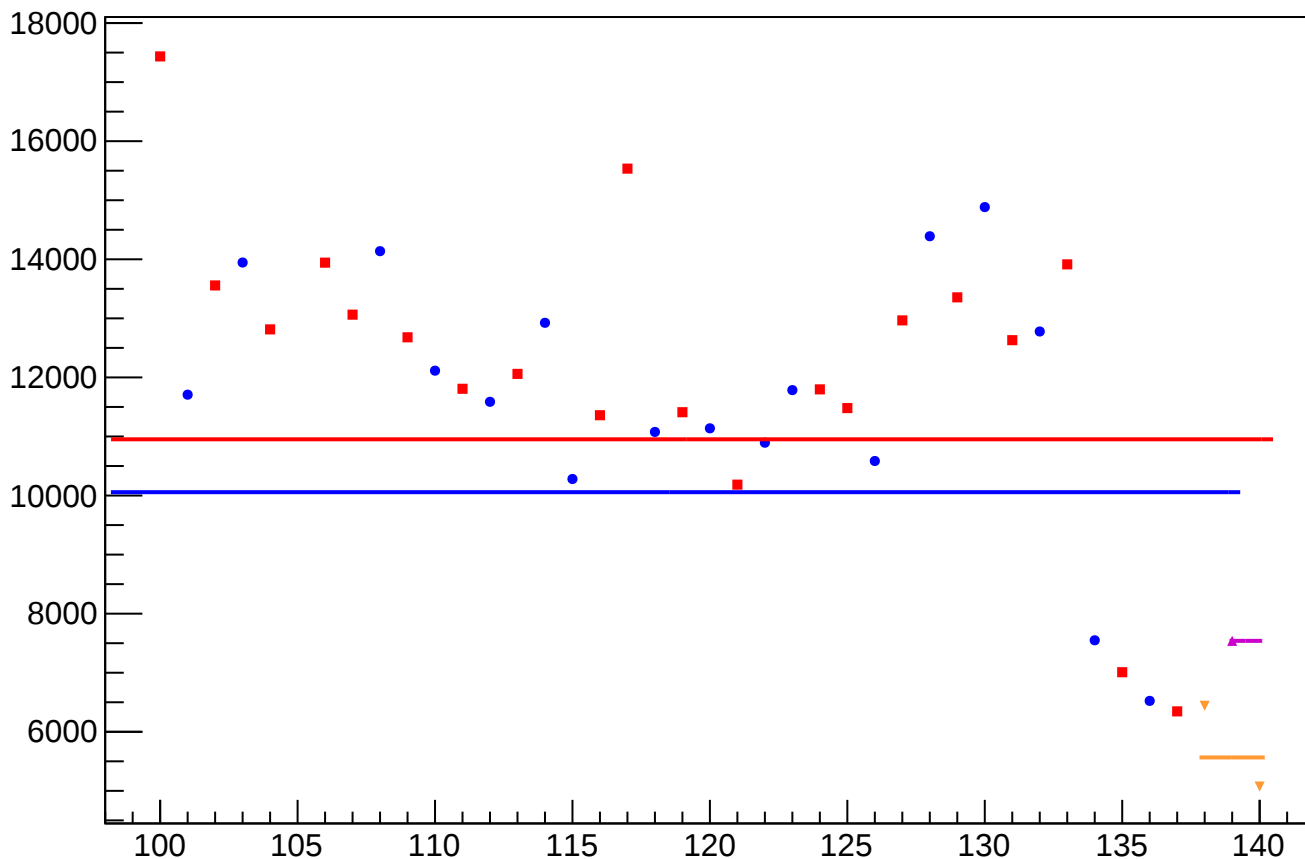
Right Out: 7.243+/-4.218 χ^2/NDF : 14.6/19

Left In: 11.867+/-8.853 χ^2/NDF : 0.0/0

6.733+/-3.044 χ^2/NDF : 24.4/18

8.099+/-3.808 χ^2/NDF : 14.8/20

diff_bpm16X_rms vs Slug



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

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

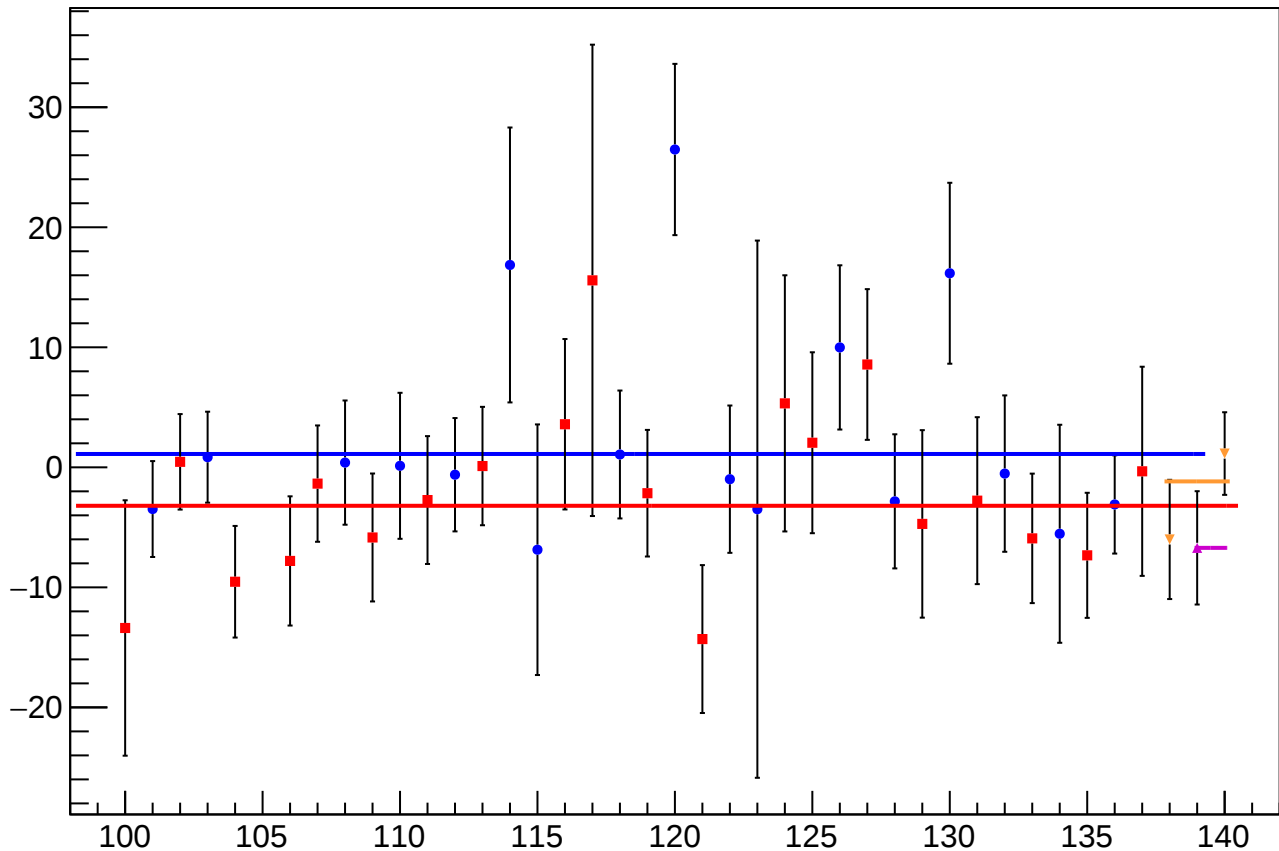
Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

Left In: 7539.817+/-6.260 χ^2/NDF :0.0/0

8065.020+/-2.152 χ^2/NDF : 2118987.8/18

10321.057+/-2.692 χ^2/NDF : 1012643.3/20

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -1.173 ± 2.829 χ^2/NDF : 1.4/1

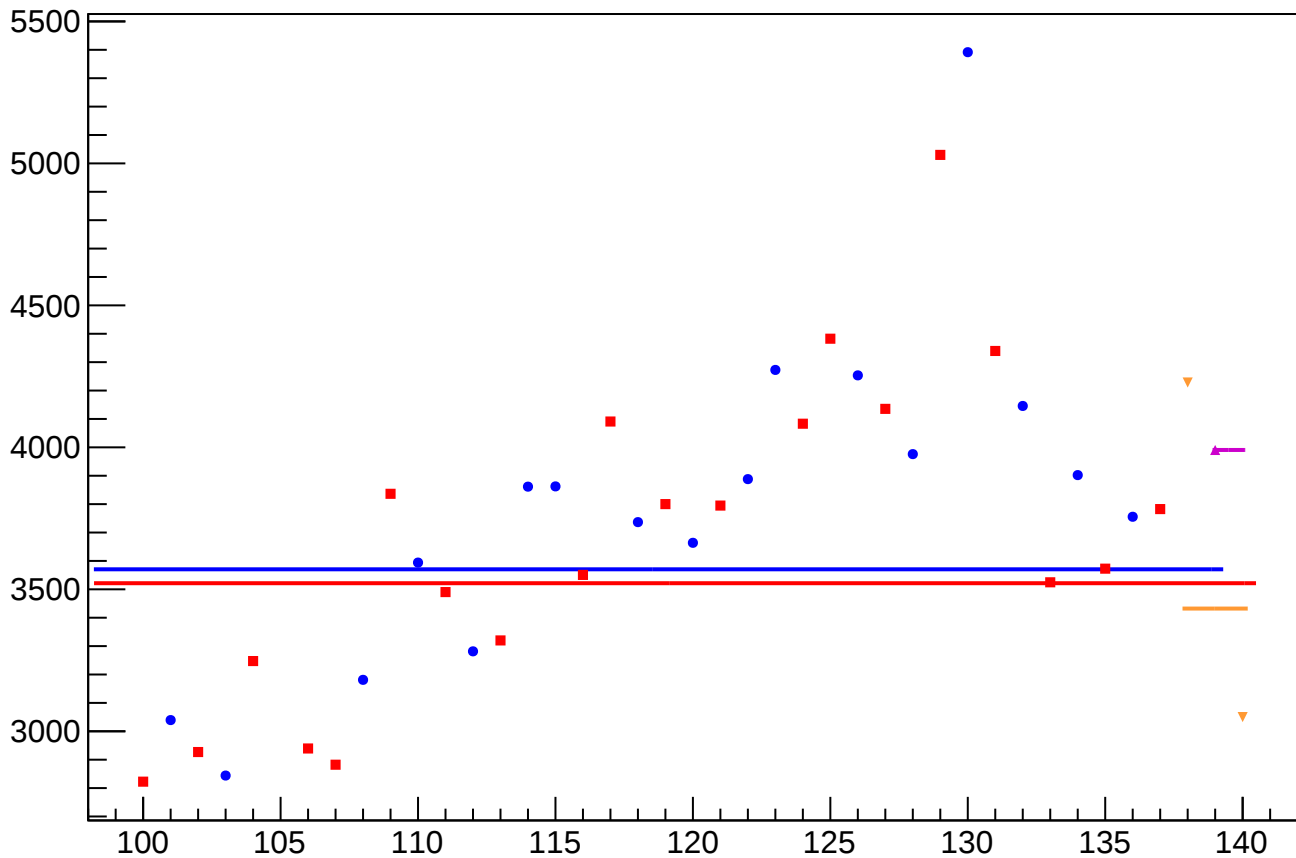
Right Out: -3.204 ± 1.331 χ^2/NDF : 16.0/19

Left In: -6.709 ± 4.721 χ^2/NDF : 0.0/0

0.661 ± 1.257 χ^2/NDF : 26.5/18

-3.462 ± 1.281 χ^2/NDF : 16.5/20

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

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

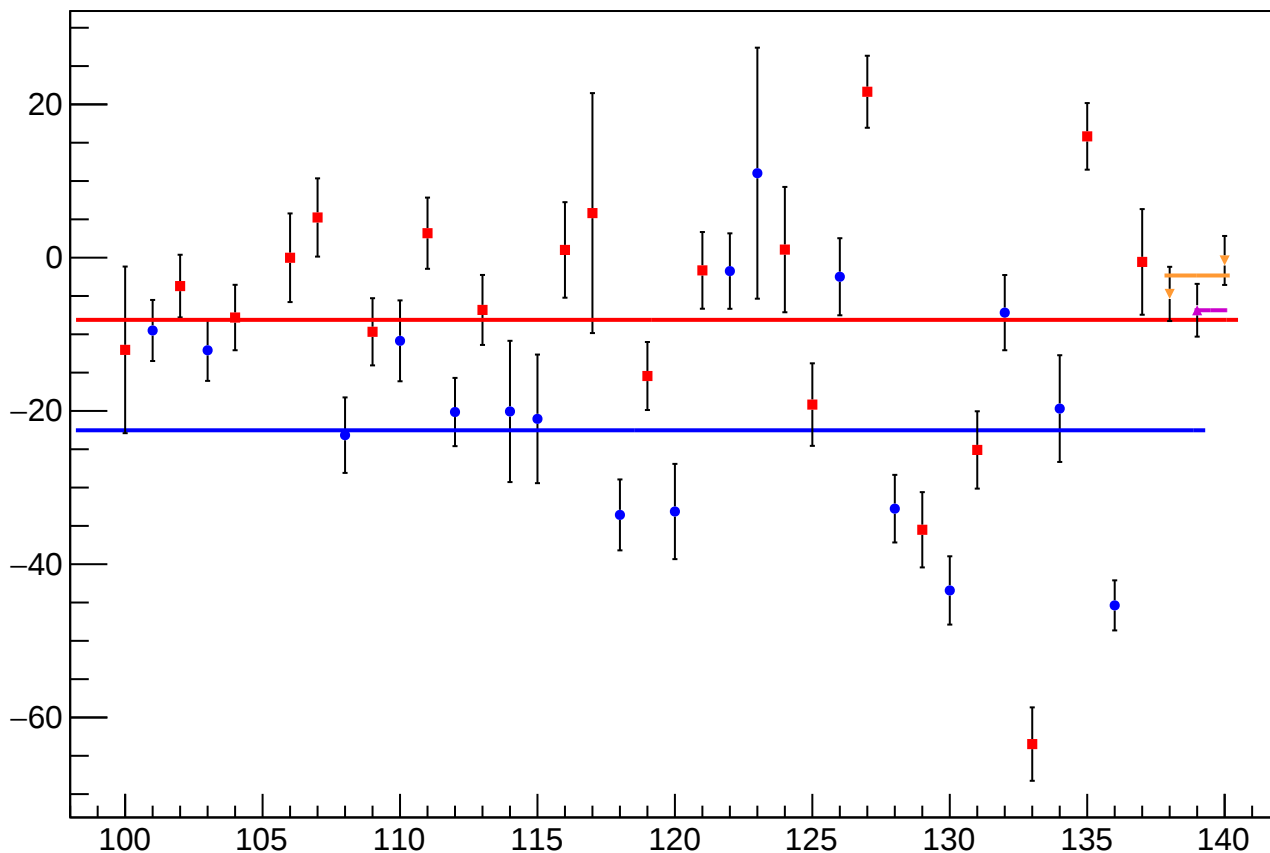
Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

Left In: 3990.771+/-3.338 χ^2/NDF : 0.0/0

3543.191+/-0.889 χ^2/NDF : 389572.4/18

3556.044+/-0.906 χ^2/NDF : 313388.0/20

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

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

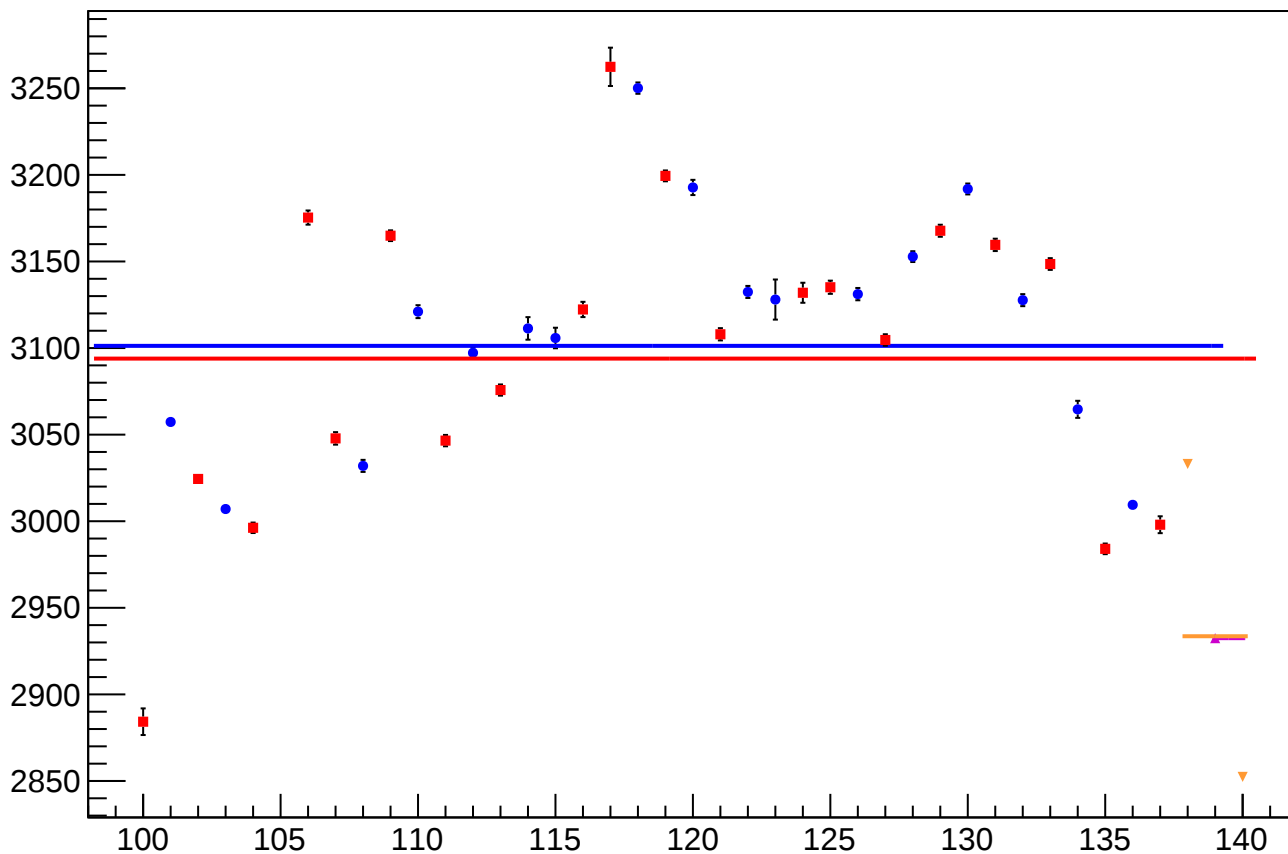
Right Out: -8.116 ± 1.154 χ^2/NDF : 276.6/19

Left In: -6.862 ± 3.443 χ^2/NDF : 0.0/0

-18.405 ± 1.071 χ^2/NDF : 214.1/18

-7.989 ± 1.094 χ^2/NDF : 276.8/20

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 2933.582+/-1.677 χ^2/NDF : 2873.7/1

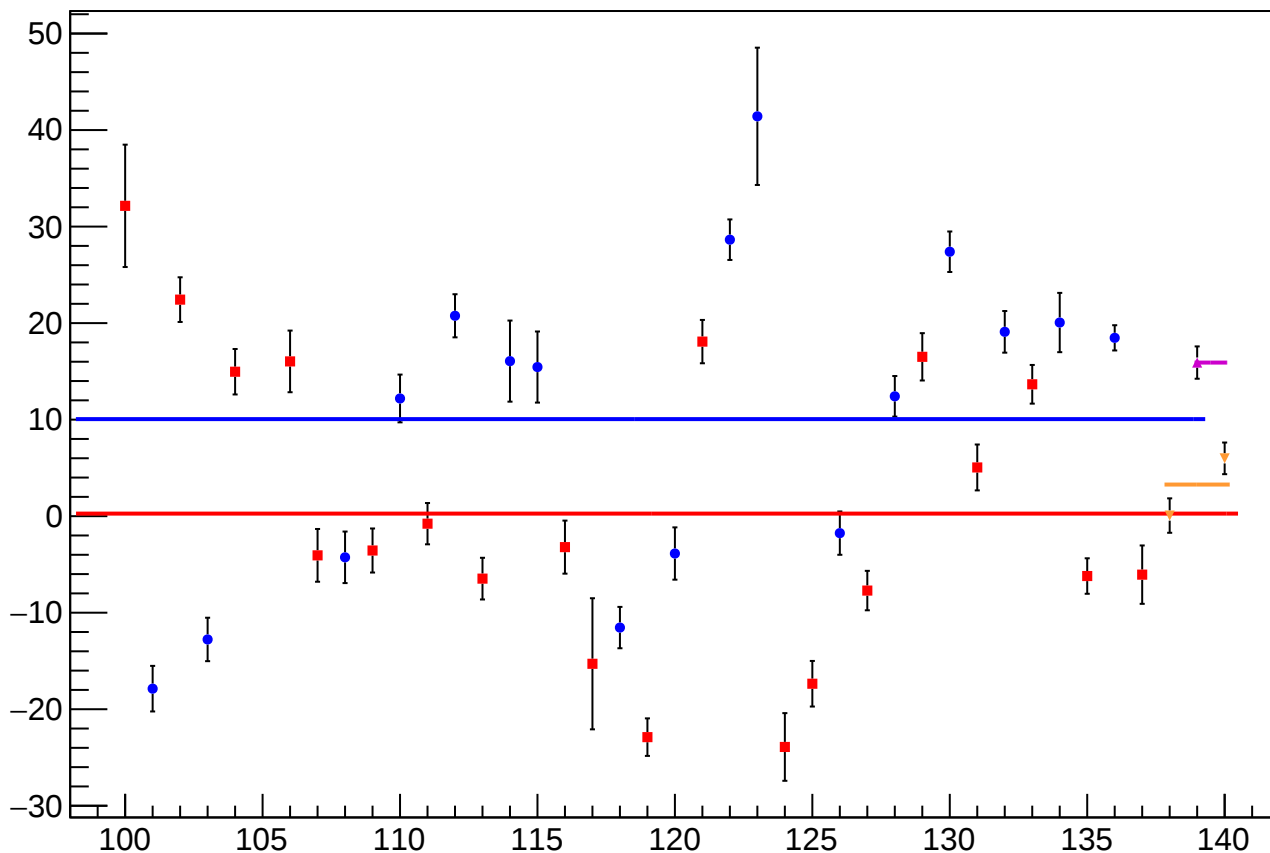
Right Out: 3093.913+/-0.816 χ^2/NDF : 7998.9/19

Left In: 2932.472+/-2.434 χ^2/NDF : 0.0/0

3067.059+/-0.757 χ^2/NDF : 18068.3/18

3077.614+/-0.774 χ^2/NDF : 11952.5/20

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

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

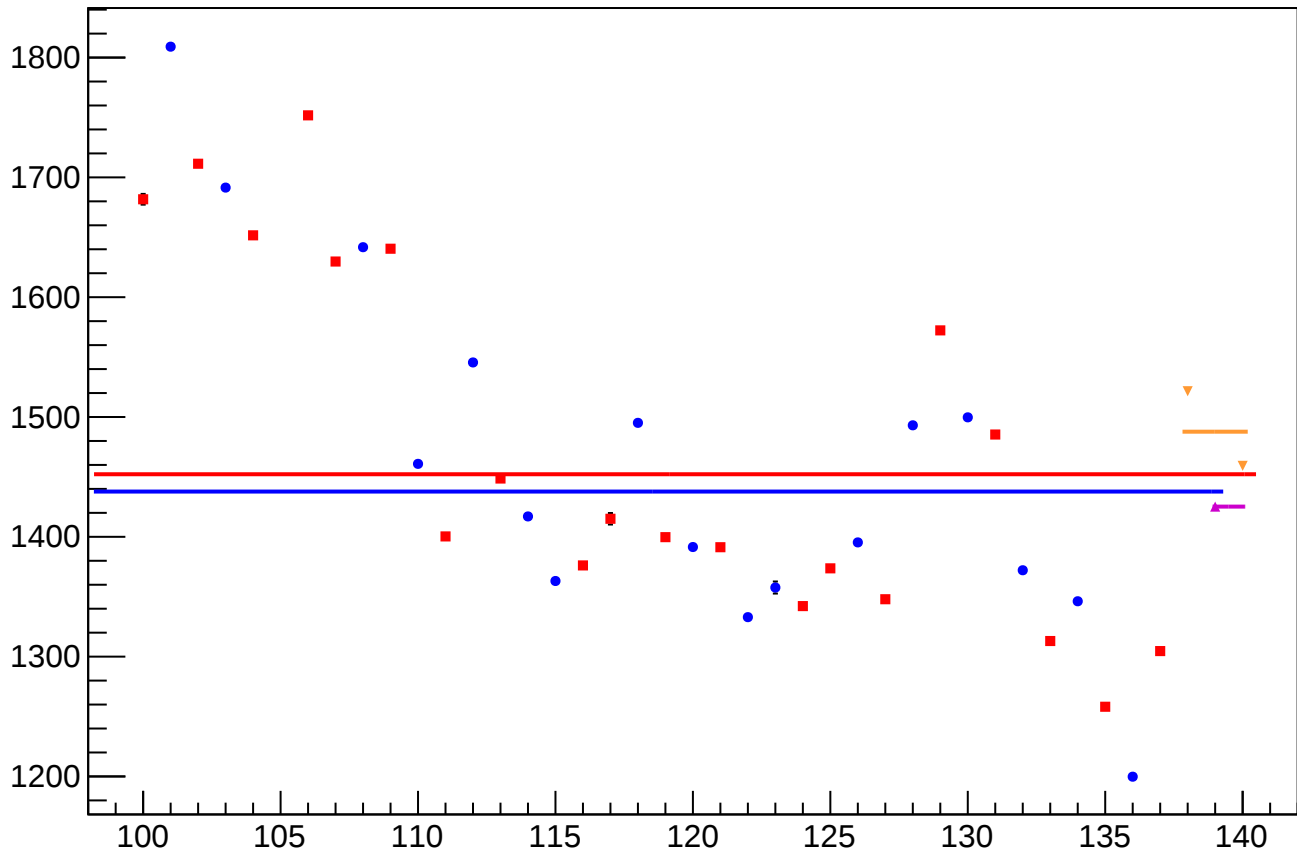
Right Out: 0.266 $\pm$ 0.545 χ^2 /NDF: 635.1/19

Left In: 15.912 $\pm$ 1.674 χ^2 /NDF: 0.0/0

8.848 $\pm$ 0.509 χ^2 /NDF: 724.2/18

1.766 $\pm$ 0.518 χ^2 /NDF: 714.1/20

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776+/-0.397 χ^2/NDF : 173216.2/16

Left Out: 1487.744+/-0.853 χ^2/NDF :1321.7/1

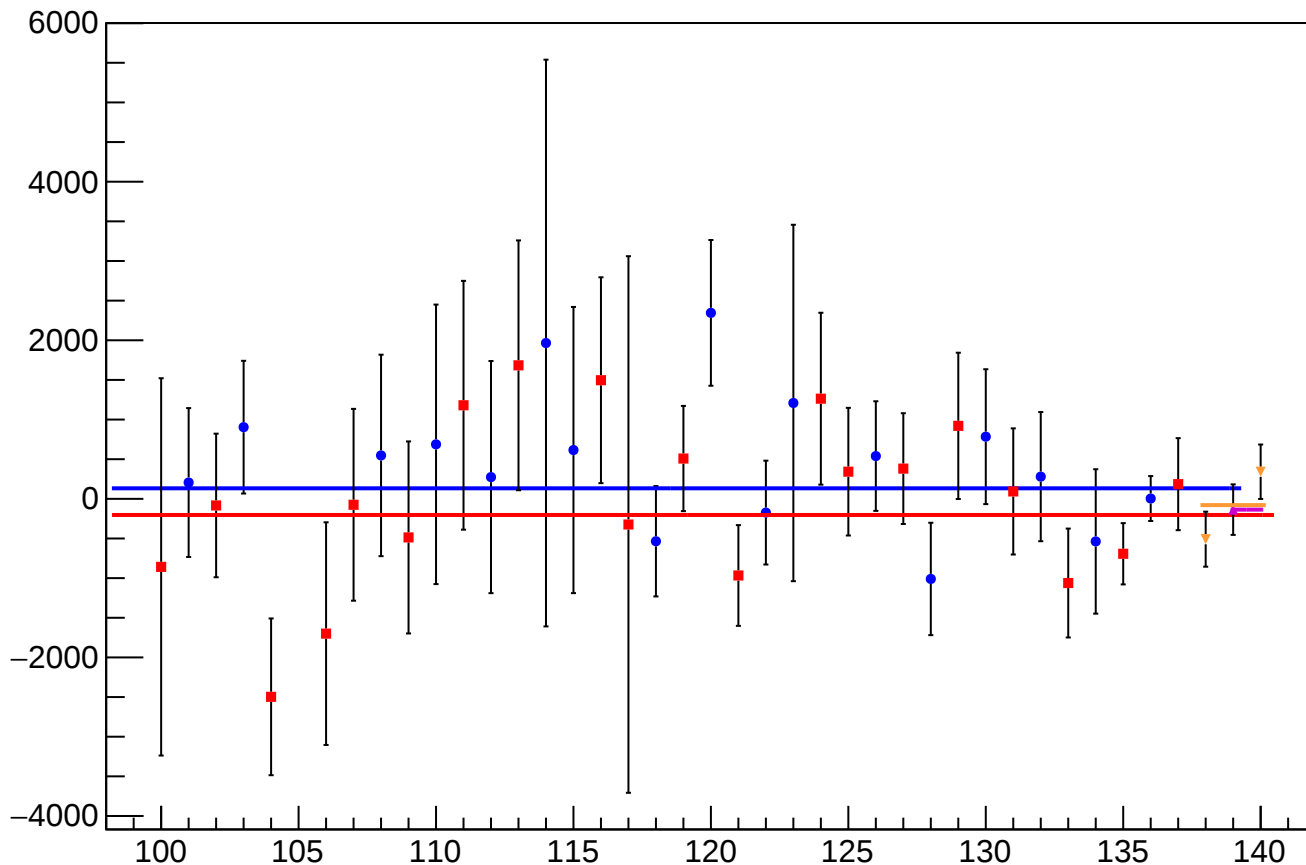
Right Out: 1452.227+/-0.386 χ^2/NDF : 138666.1/19

Left In: 1425.218+/-1.184 χ^2/NDF :0.0/0

1446.673+/-0.360 χ^2/NDF : 177356.5/18

1449.638+/-0.367 χ^2/NDF : 139136.5/20

asym_sam1_mean vs Slug



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -78.830+/-244.011 χ^2/NDF : 3.0/1

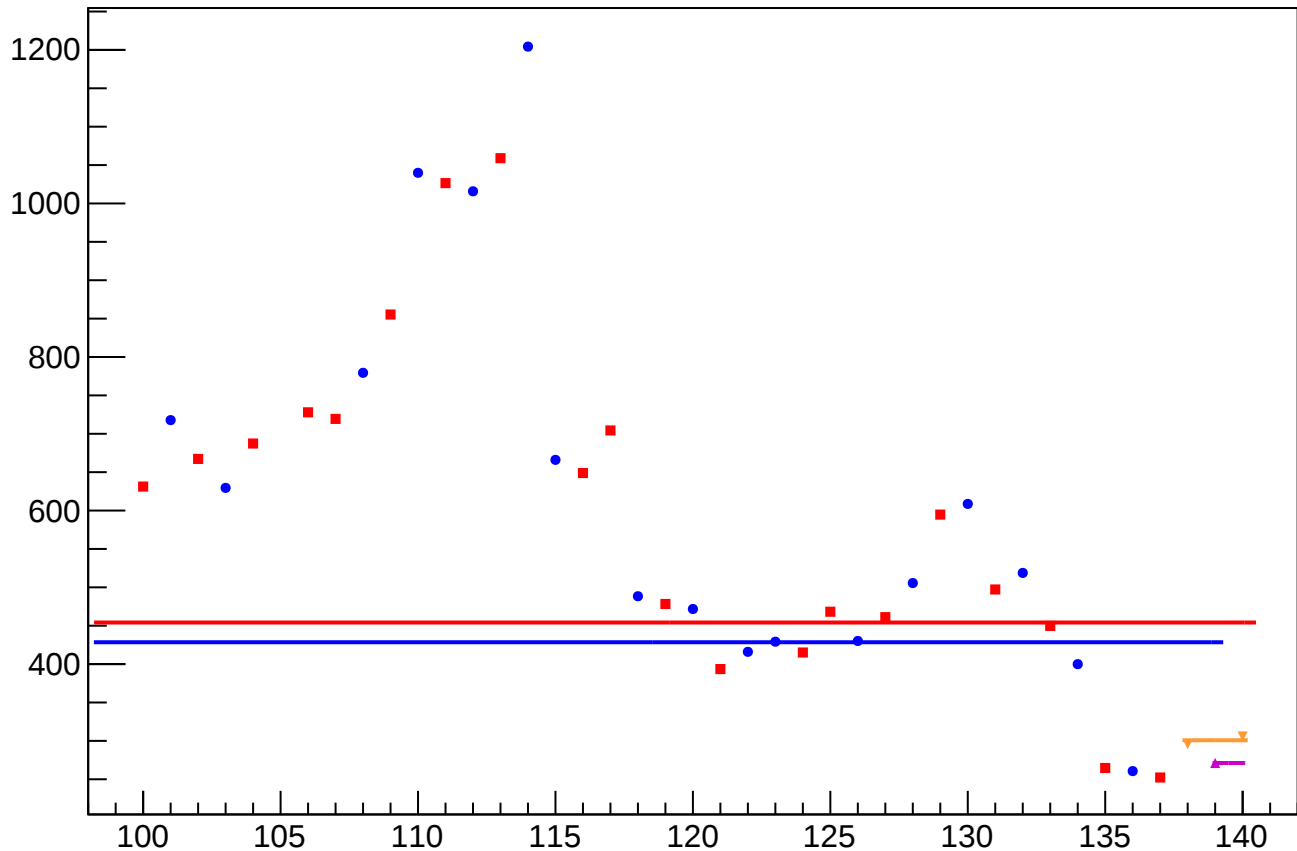
Right Out: -203.418+/-184.080 χ^2/NDF : 21.4/19

Left In: -135.994+/-318.509 χ^2/NDF : 0.0/0

58.155+/-144.994 χ^2/NDF : 16.4/18

-186.536+/-159.377 χ^2/NDF : 21.5/20

asym_sam1_rms vs Slug



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 300.802+/-0.173 χ^2/NDF : 832.4/1

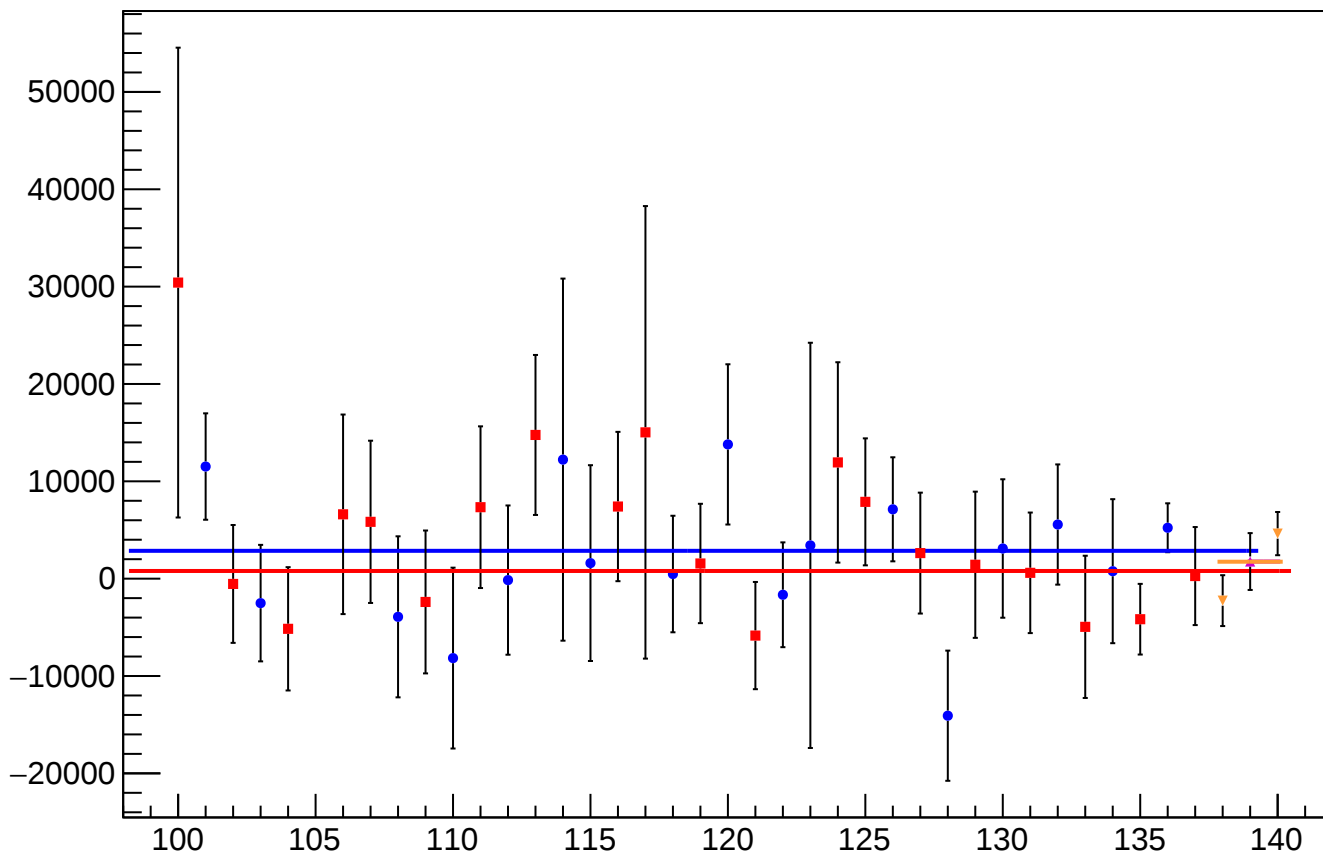
Right Out: 454.177+/-0.130 χ^2/NDF : 2040775.1/19

Left In: 271.181+/-0.225 χ^2/NDF : 0.0/0

383.386+/-0.103 χ^2/NDF : 2366412.4/18

408.358+/-0.113 χ^2/NDF : 2535668.5/20

asym_sam2_mean vs Slug



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 1741.023+/-1691.870 χ^2/NDF : 4.0/1

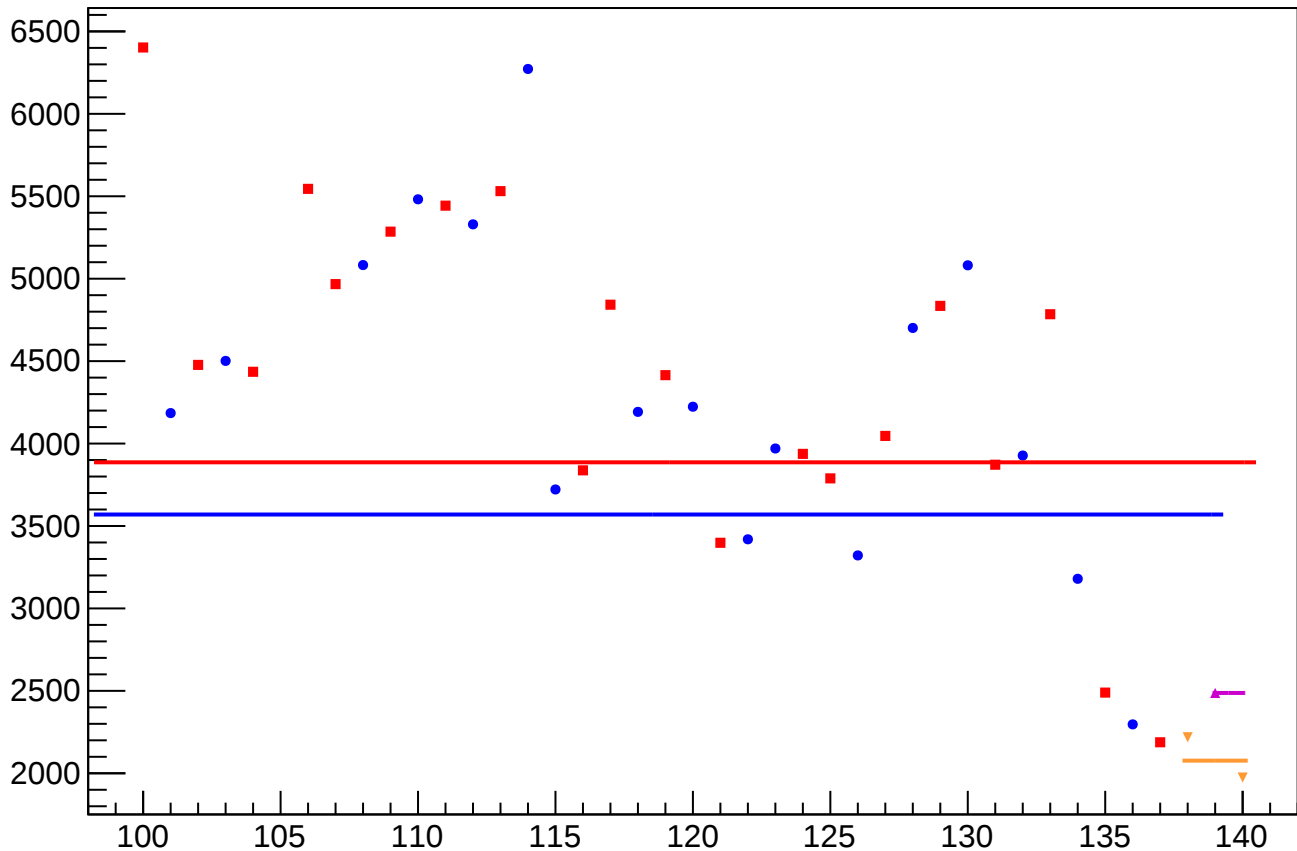
Right Out: 789.608+/-1506.053 χ^2/NDF : 14.4/19

Left In: 1759.597+/-2919.794 χ^2/NDF : 0.0/0

2386.726+/-1100.051 χ^2/NDF : 20.9/18

993.448+/-1338.485 χ^2/NDF : 14.4/20

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2076.699+/-1.196 χ^2/NDF : 10159.4/1

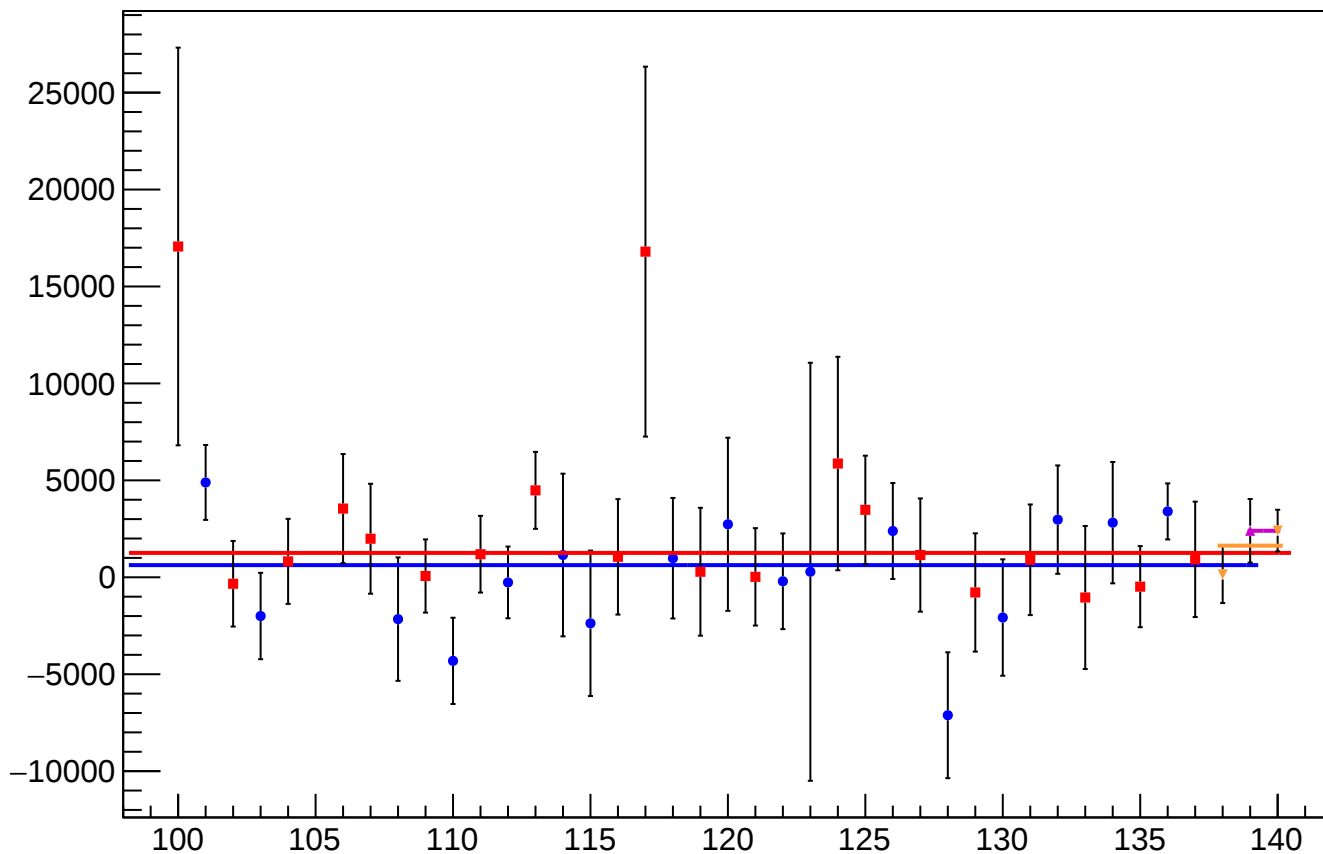
2938.483+/-0.778 χ^2/NDF : 1997042.6/18

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

3592.217+/-0.946 χ^2/NDF : 1349120.6/20

Left In: 2487.260+/-2.065 χ^2/NDF : 0.0/0

asym_sam3_mean vs Slug



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1632.356+/-868.282 χ^2/NDF : 1.5/1

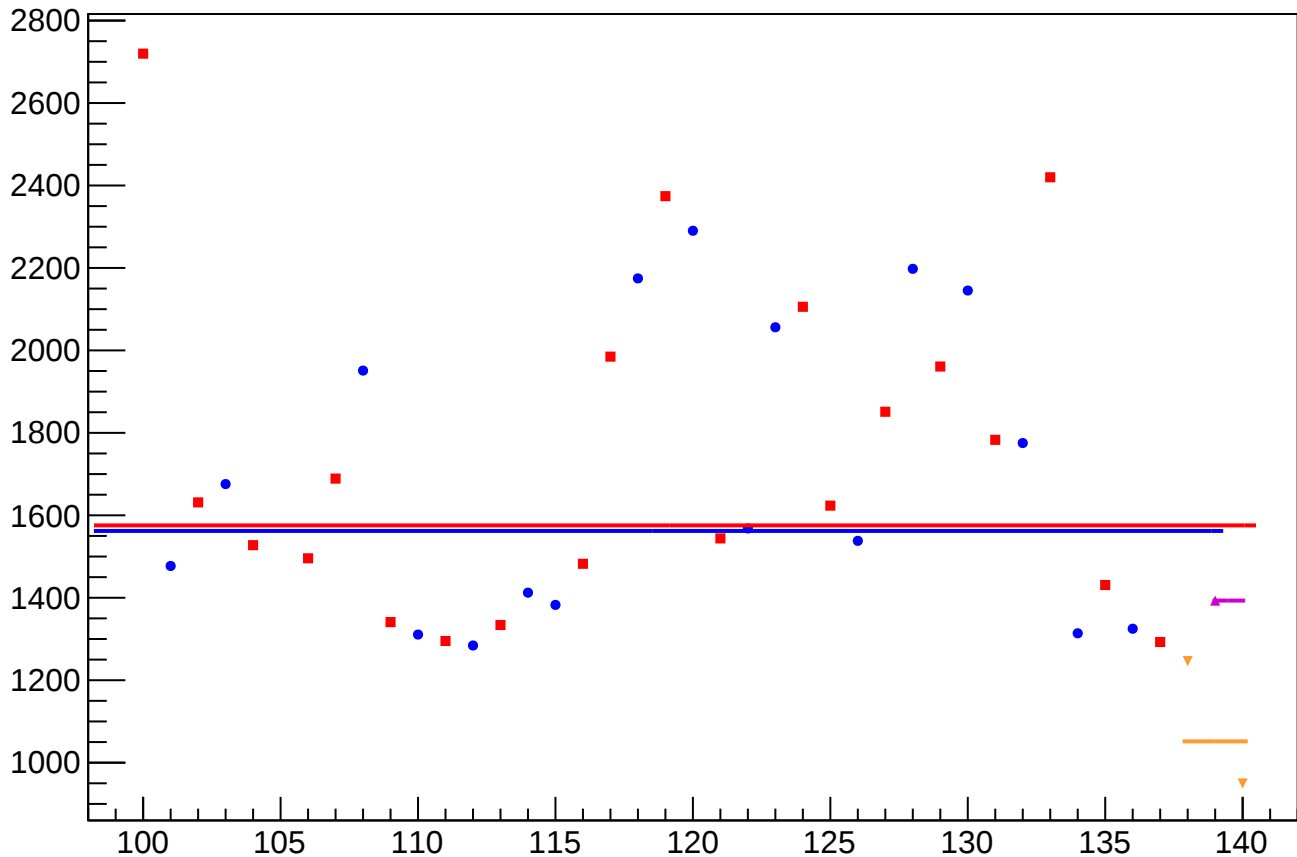
Right Out: 1257.467+/-601.857 χ^2/NDF : 12.6/19

Left In: 2398.426+/-1640.725 χ^2/NDF : 0.0/0

967.608+/-505.071 χ^2/NDF : 27.5/18

1392.785+/-565.040 χ^2/NDF : 13.0/20

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 1051.725+/-0.614 χ^2/NDF : 52776.5/1

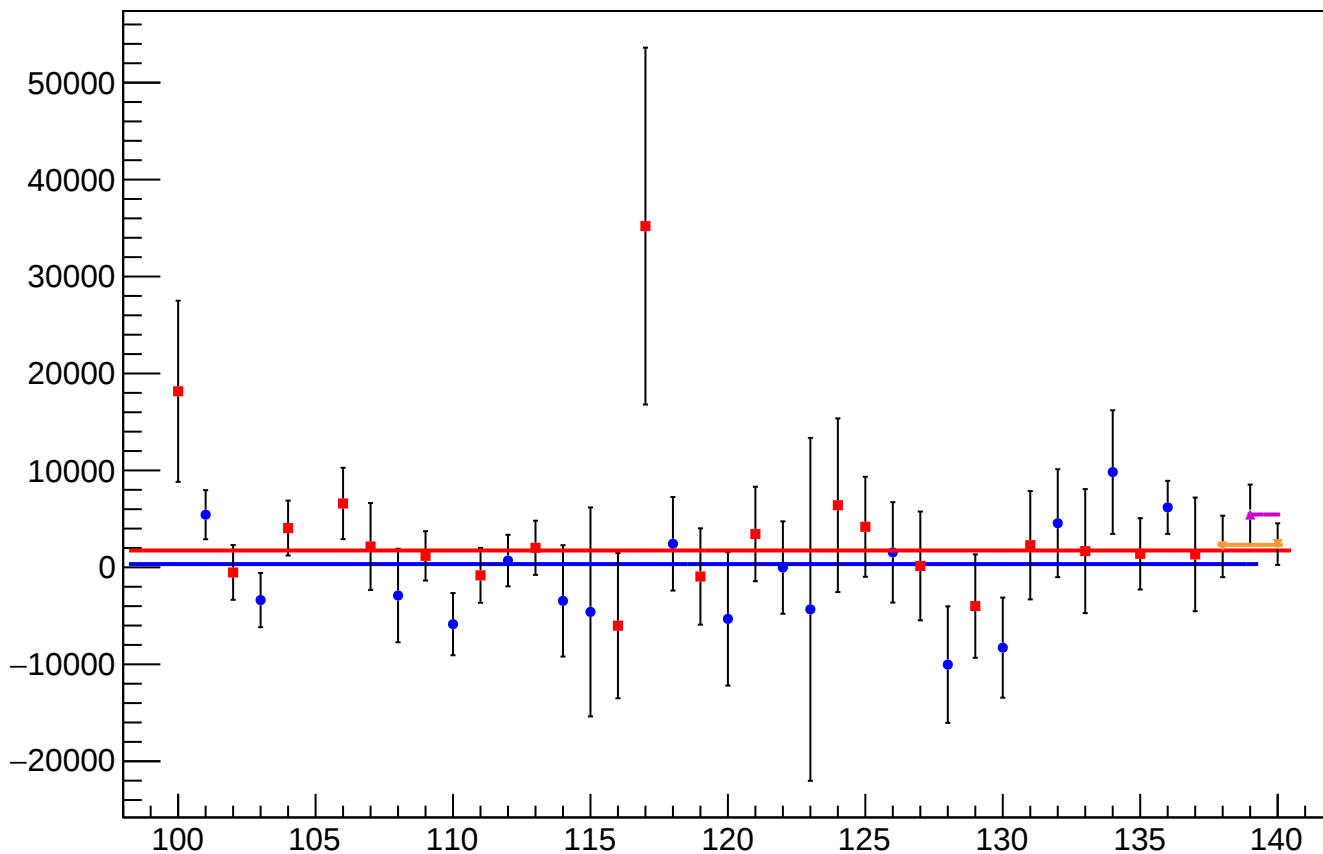
Right Out: 1575.541+/-0.426 χ^2/NDF : 467687.2/19

Left In: 1393.183+/-1.160 χ^2/NDF : 0.0/0

1389.409+/-0.357 χ^2/NDF : 992067.7/18

1553.913+/-0.400 χ^2/NDF : 489463.5/20

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 2323.401 ± 1777.263 χ^2/NDF : 0.0/1

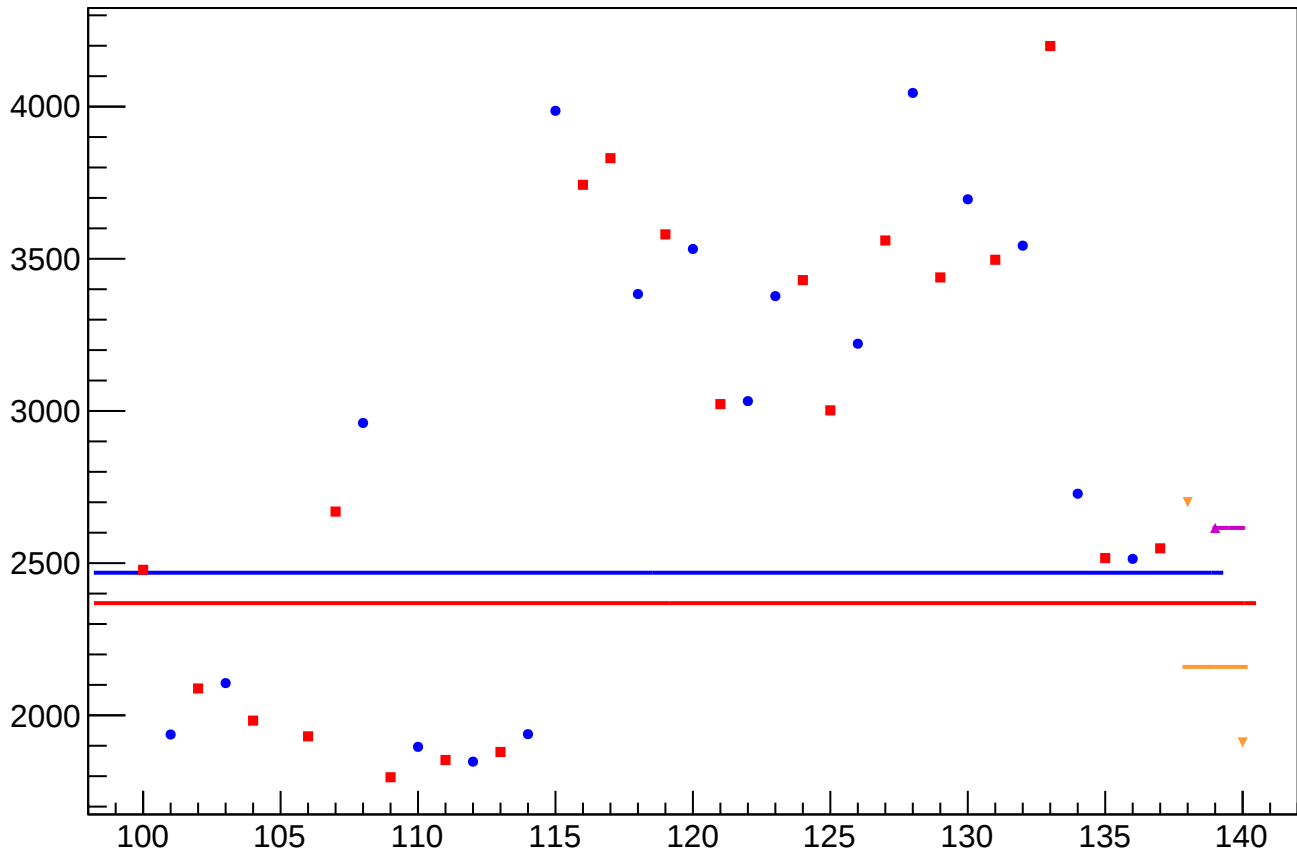
Right Out: 1742.470 ± 923.289 χ^2/NDF : 13.6/19

Left In: 5453.716 ± 3087.886 χ^2/NDF : 0.0/0

812.487 ± 868.758 χ^2/NDF : 25.7/18

2047.038 ± 884.593 χ^2/NDF : 14.9/20

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2159.010+/-1.257 χ^2/NDF : 85061.2/1

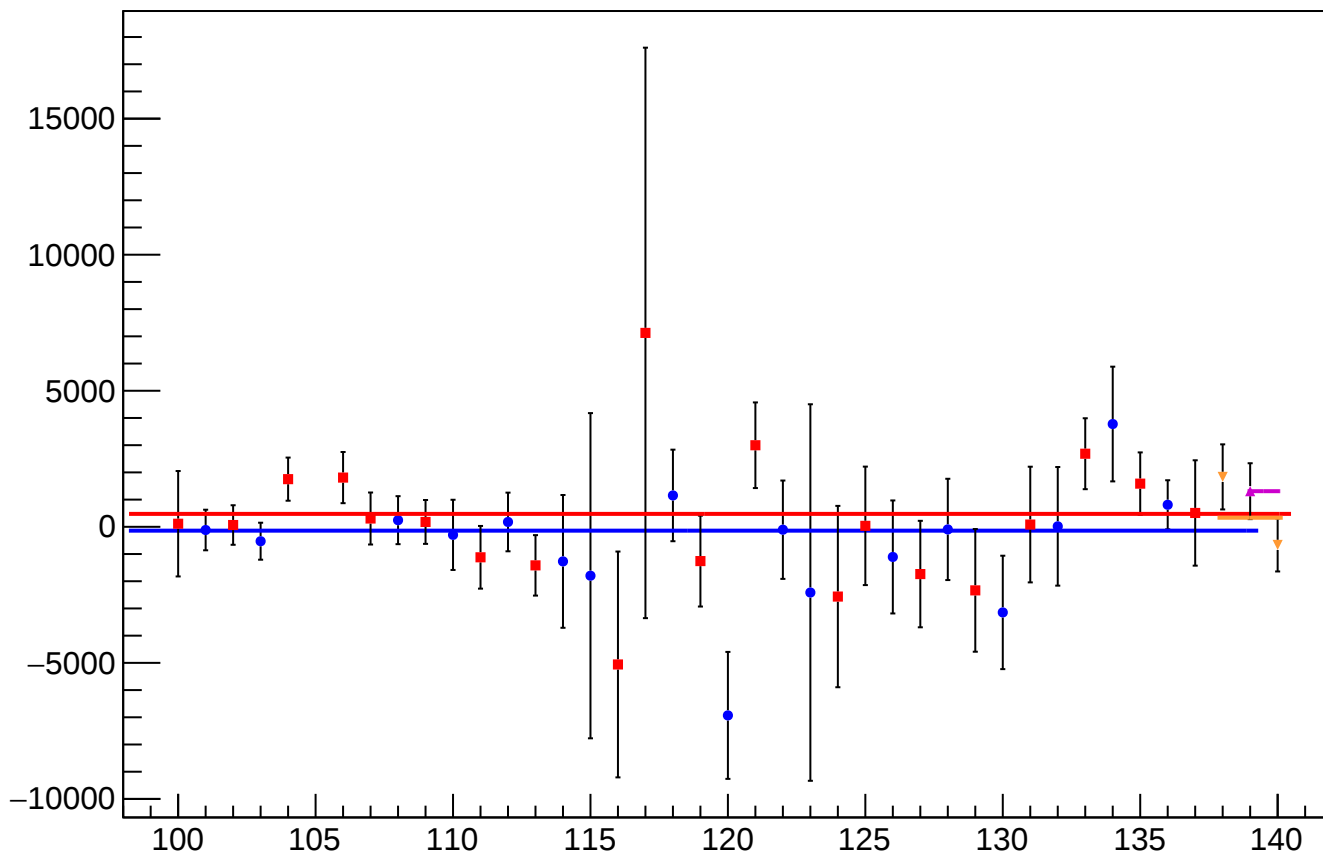
2394.541+/-0.614 χ^2/NDF : 1027368.3/18

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

2388.804+/-0.626 χ^2/NDF : 1049572.6/20

Left In: 2615.670+/-2.183 χ^2/NDF : 0.0/0

asym_sam5_mean vs Slug



Right In: -141.213 +/- 313.319 χ^2/NDF : 16.9/16

Left Out: 333.501 +/- 756.046 χ^2/NDF : 2.6/1

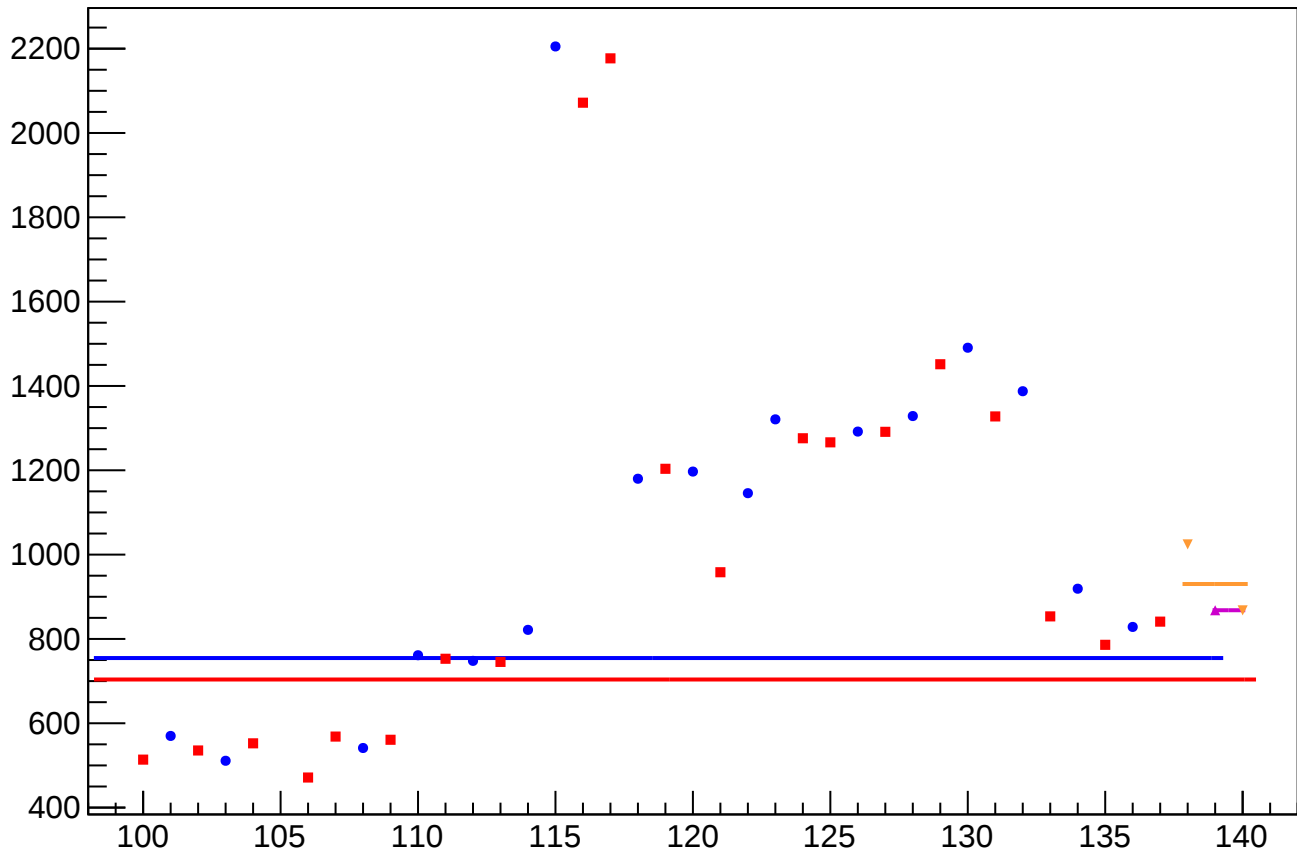
Right Out: 474.987 +/- 282.789 χ^2/NDF : 23.3/19

Left In: 1309.486 +/- 1026.824 χ^2/NDF : 0.0/0

-71.634 +/- 289.448 χ^2/NDF : 19.9/18

533.819 +/- 272.639 χ^2/NDF : 23.9/20

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 930.295+/-0.535 χ^2/NDF :20543.3/1

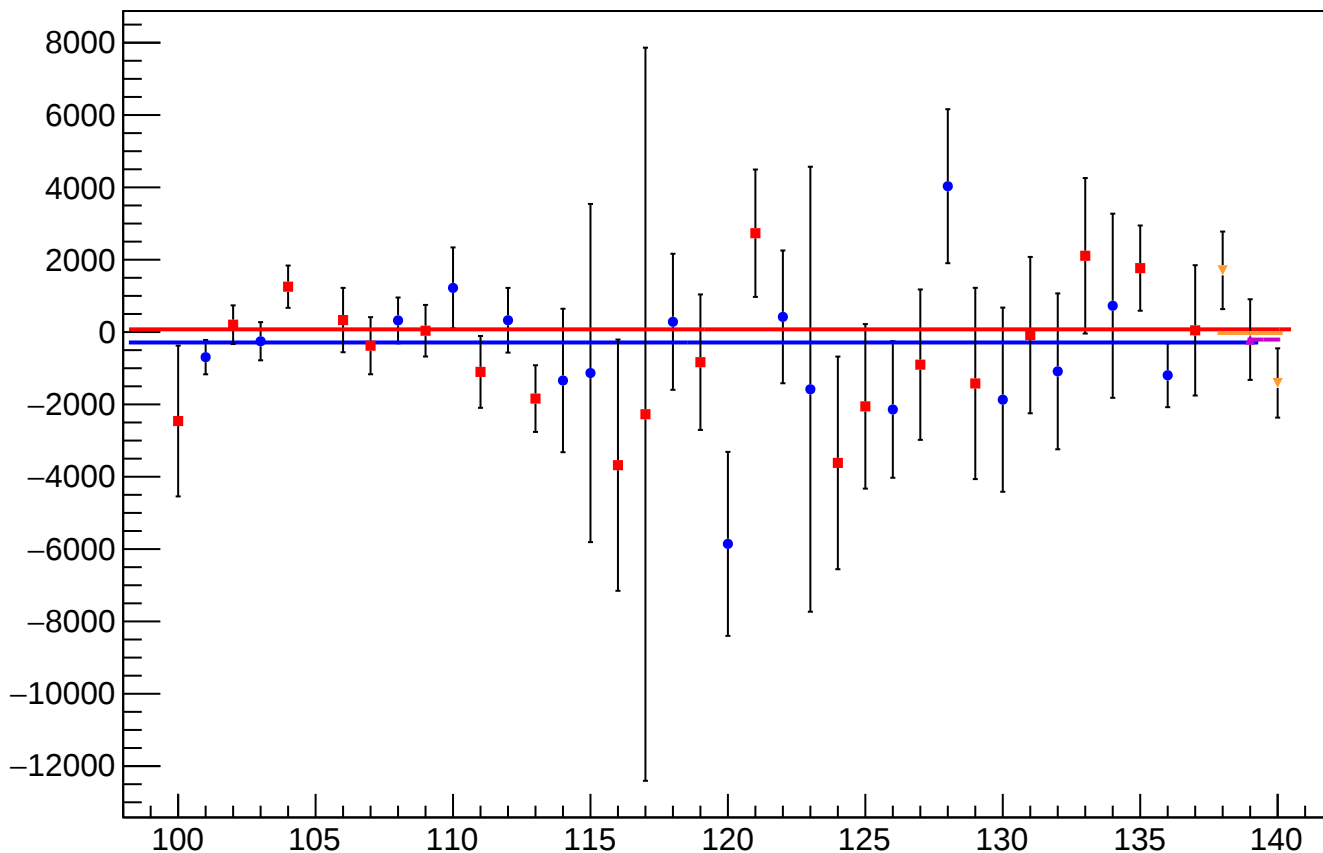
780.423+/-0.205 χ^2/NDF : 1803253.3/18

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

715.376+/-0.193 χ^2/NDF : 1778718.0/20

Left In: 868.074+/-0.726 χ^2/NDF :0.0/0

asym_sam6_mean vs Slug



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -24.455+/-714.332 χ^2/NDF : 4.7/1

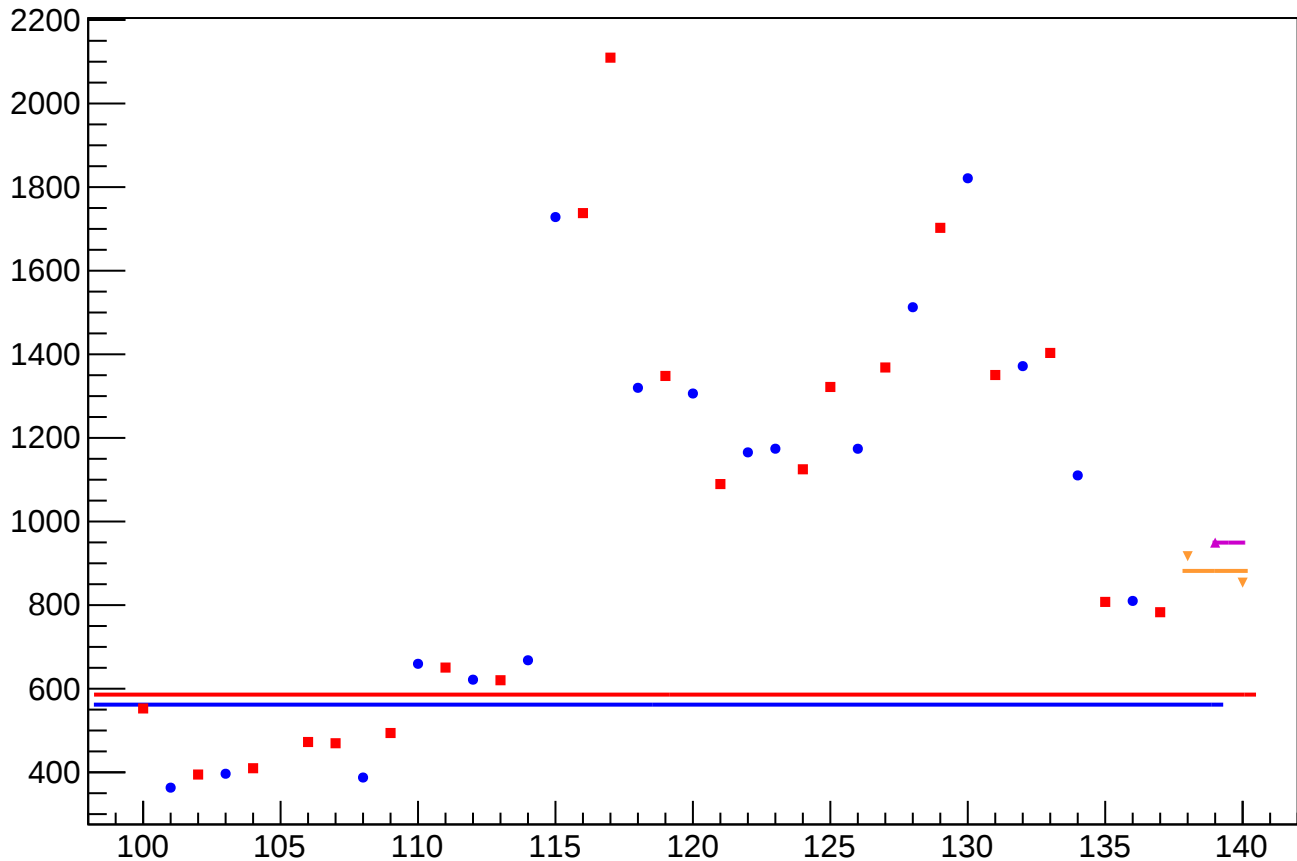
Right Out: 74.735+/-246.011 χ^2/NDF : 21.4/19

Left In: -208.135+/-1115.070 χ^2/NDF : 0.0/0

-259.186+/-236.332 χ^2/NDF : 21.0/18

61.605+/-240.233 χ^2/NDF : 21.5/20

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 881.816+/-0.505 χ^2/NDF :3866.9/1

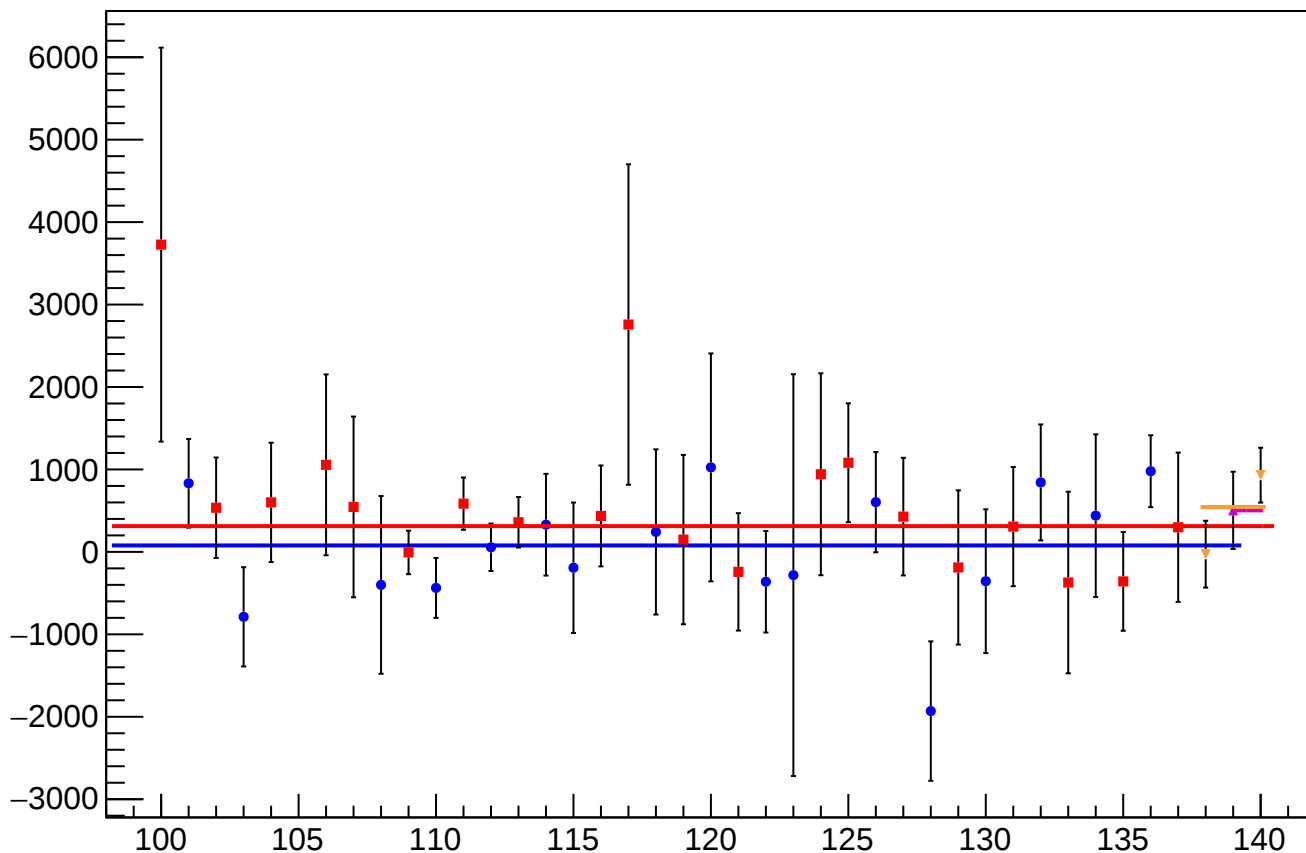
Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

Left In: 949.528+/-0.788 χ^2/NDF :0.0/0

596.912+/-0.167 χ^2/NDF : 3577768.8/18

602.770+/-0.170 χ^2/NDF : 3072517.5/20

asym_sam7_mean vs Slug



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 544.341+/-257.117 χ^2/NDF : 3.3/1

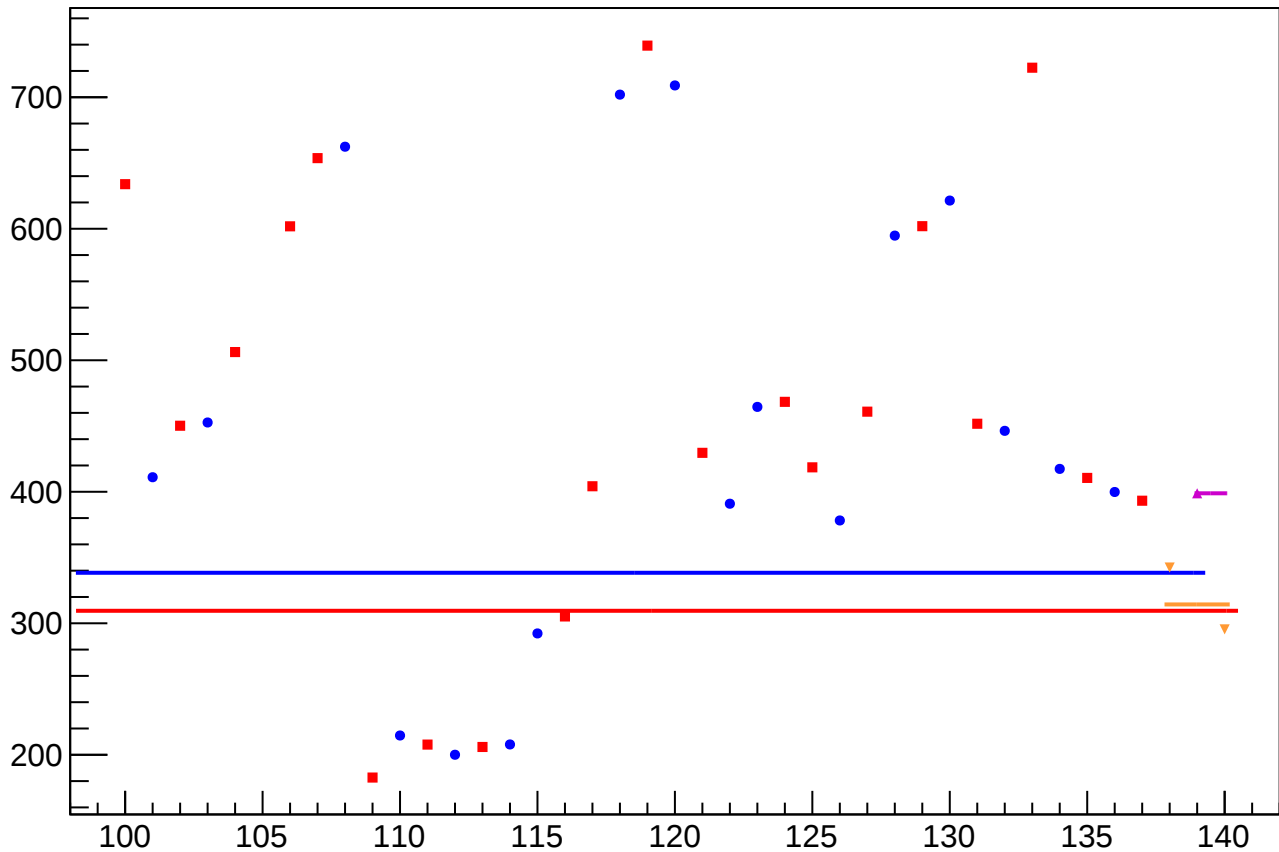
Right Out: 312.536+/-129.362 χ^2/NDF : 10.7/19

Left In: 503.714+/-468.328 χ^2/NDF : 0.0/0

188.158+/-124.885 χ^2/NDF : 25.6/18

326.088+/-124.693 χ^2/NDF : 10.8/20

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 314.332 $\pm$ 0.182 χ^2 /NDF:16102.2/1

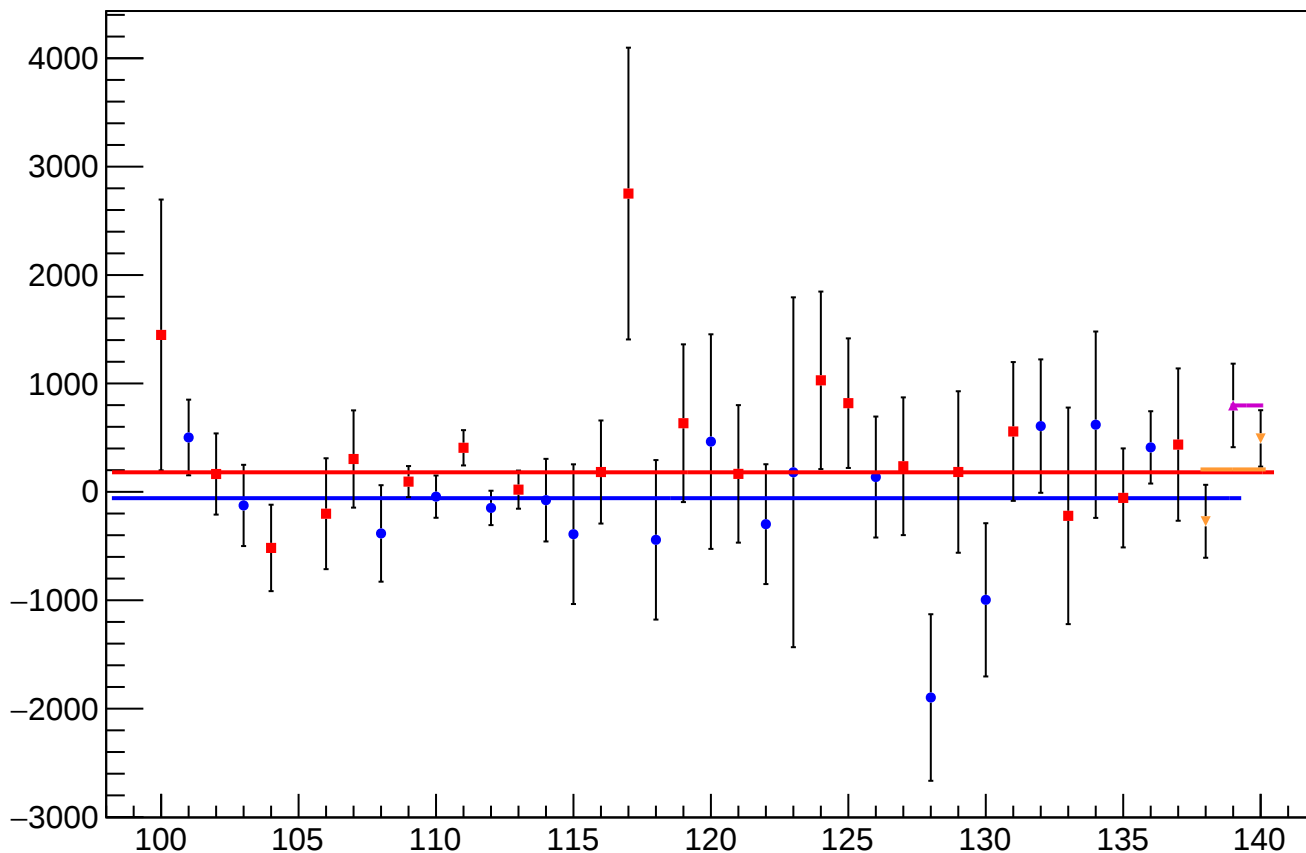
Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

Left In: 398.839 $\pm$ 0.331 χ^2 /NDF:0.0/0

332.728 $\pm$ 0.088 χ^2 /NDF: 2038787.7/18

315.836 $\pm$ 0.088 χ^2 /NDF: 2805852.9/20

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 206.913 ± 205.804 χ^2/NDF : 3.2/1

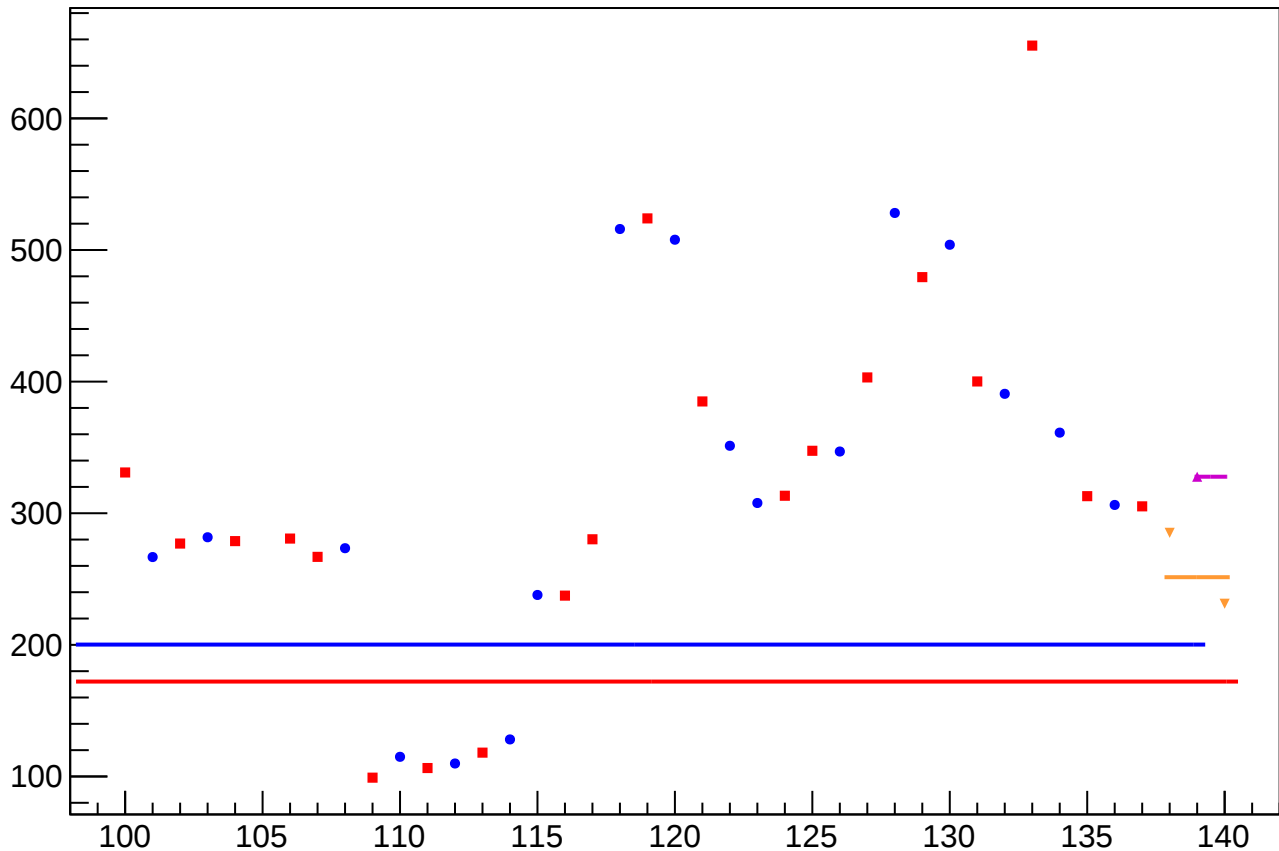
Right Out: 180.354 ± 76.795 χ^2/NDF : 15.0/19

Left In: 797.182 ± 385.276 χ^2/NDF : 0.0/0

-15.337 ± 82.832 χ^2/NDF : 20.5/18

203.924 ± 75.313 χ^2/NDF : 17.5/20

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 251.409+/-0.146 χ^2/NDF : 32102.5/1

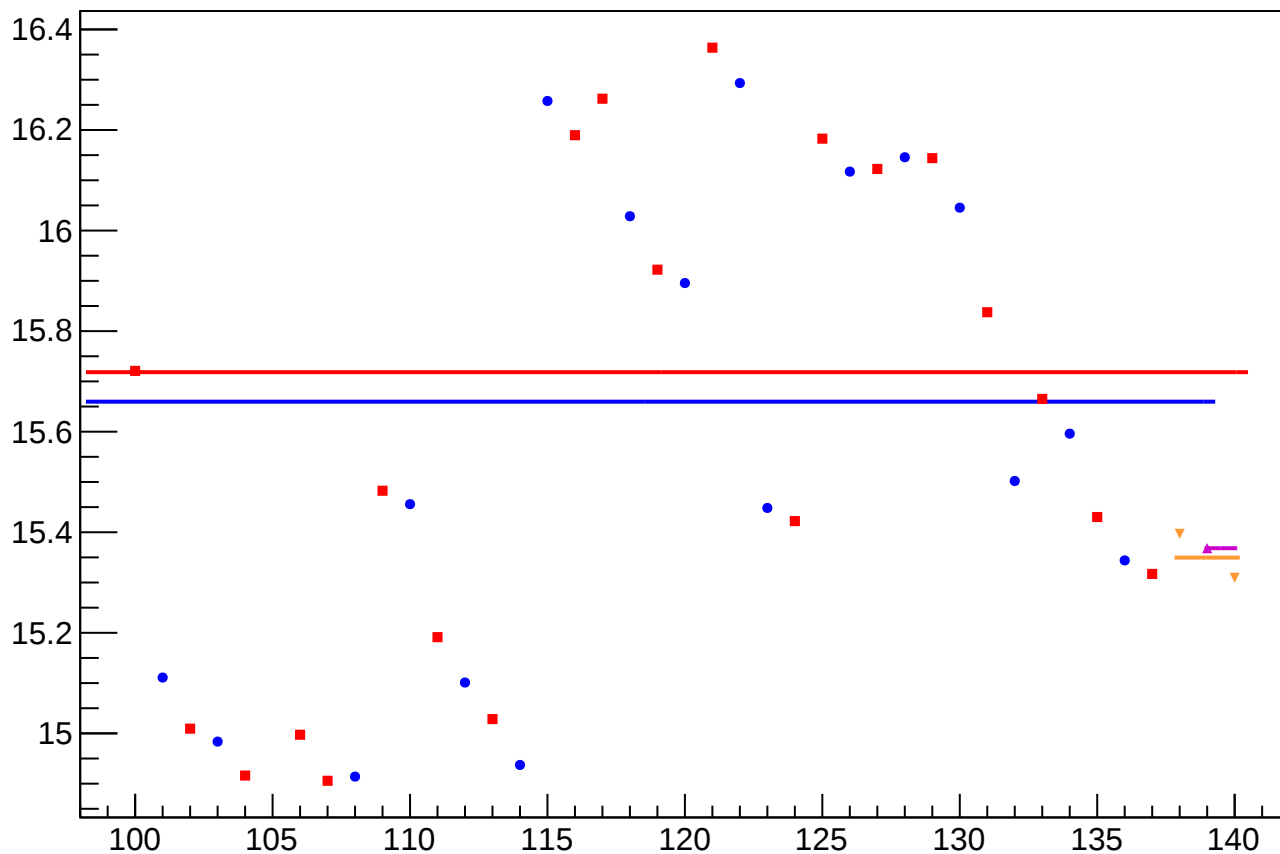
Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

Left In: 327.750+/-0.272 χ^2/NDF : 0.0/0

208.503+/-0.059 χ^2/NDF : 3523033.6/18

178.057+/-0.053 χ^2/NDF : 4420779.2/20

yield_sam1_mean vs Slug



Right In: 15.660+/-0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.350+/-0.000 χ^2/NDF : 27918044.9/1

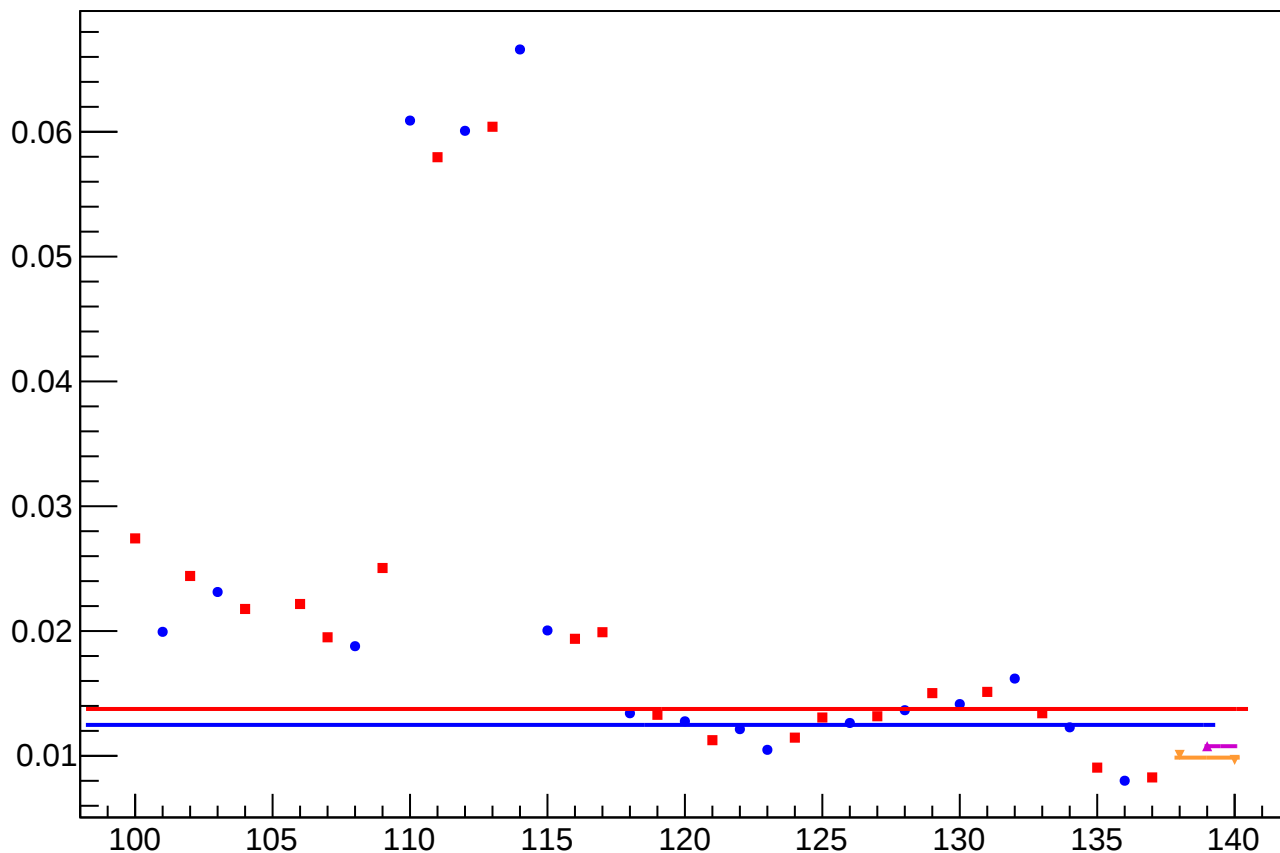
Right Out: 15.718+/-0.000 χ^2/NDF : 5490626945.9/19

Left In: 15.368+/-0.000 χ^2/NDF : 0.0/0

15.564+/-0.000 χ^2/NDF : 6788557858.5/18

15.658+/-0.000 χ^2/NDF : 6106698355.2/20

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.010+/-0.000 χ^2/NDF :1177.4/1

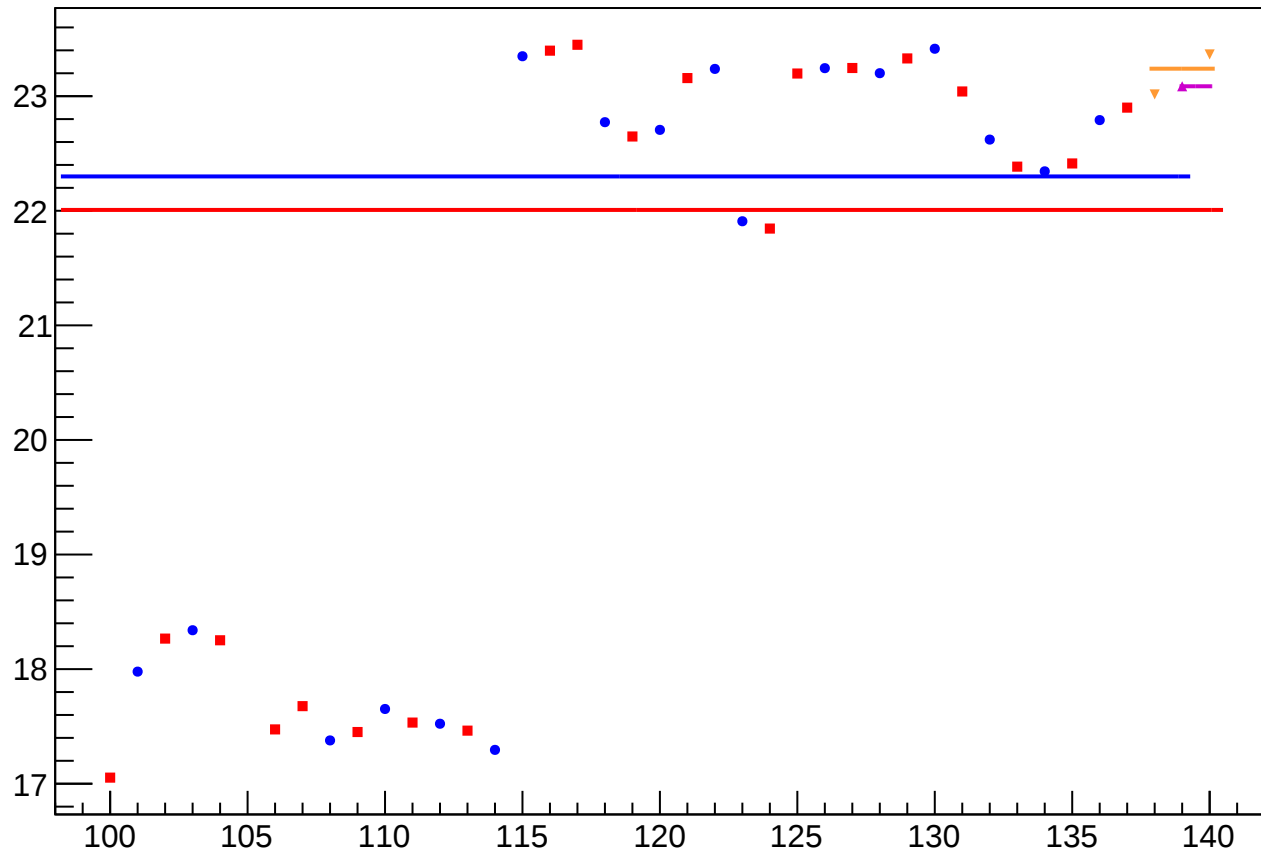
Right Out: 0.014+/-0.000 χ^2/NDF : 2084935.7/19

Left In: 0.011+/-0.000 χ^2/NDF :0.0/0

0.012+/-0.000 χ^2/NDF : 2293861.1/18

0.013+/-0.000 χ^2/NDF : 2174330.4/20

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 23.240+/-0.000 χ^2/NDF : 2520614.3/1

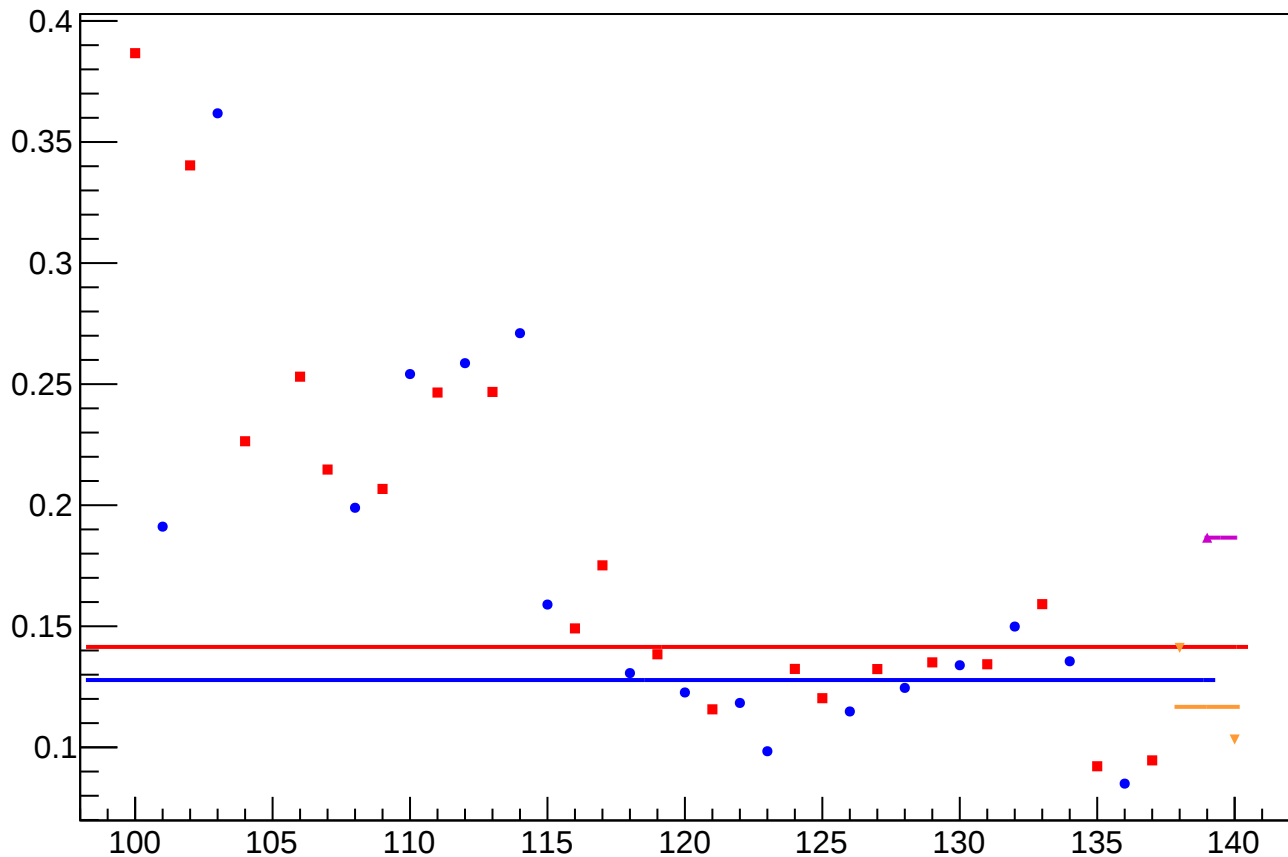
22.512+/-0.000 χ^2/NDF : 1002646621.4/18

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

22.082+/-0.000 χ^2/NDF : 1091112156.6/20

Left In: 23.086+/-0.000 χ^2/NDF : 0.0/0

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.117+/-0.000 χ^2/NDF : 59245.4/1

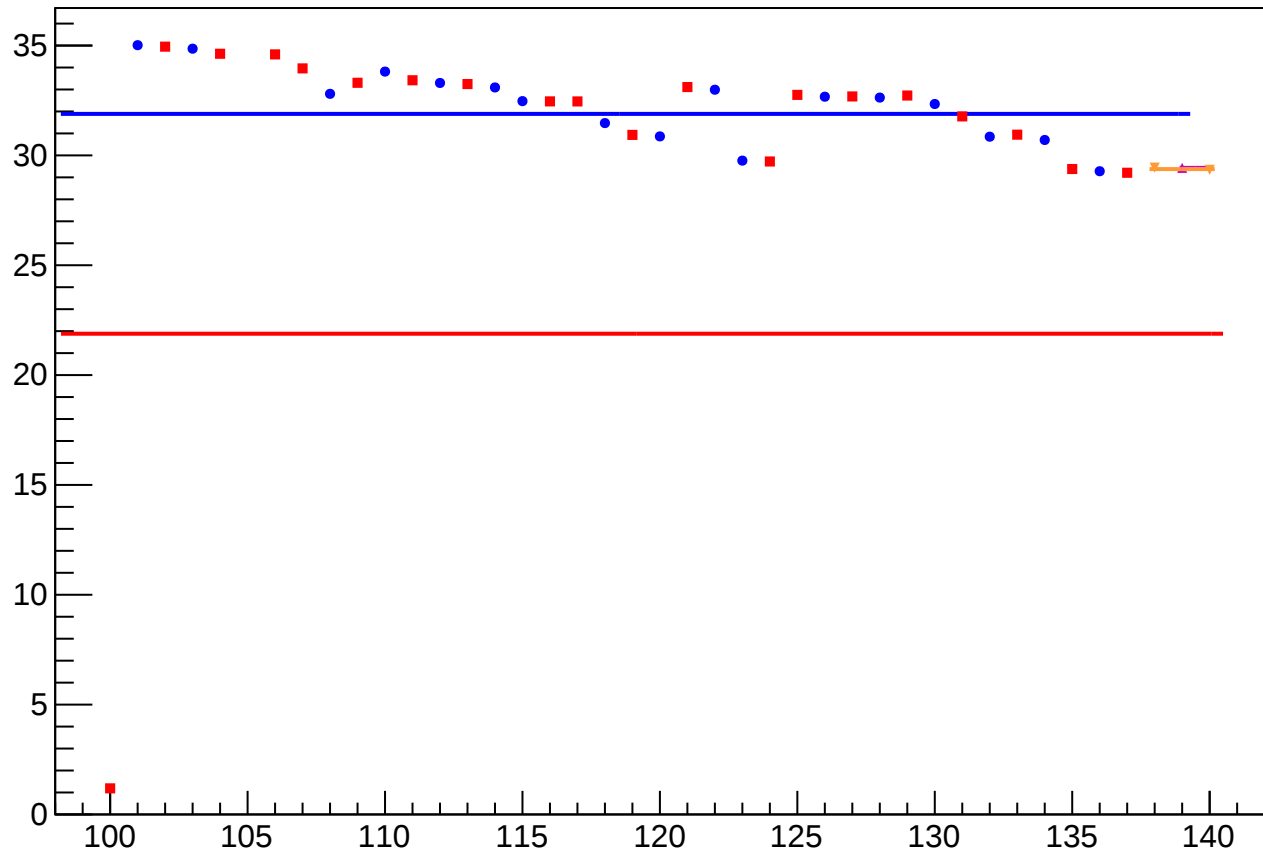
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.187+/-0.000 χ^2/NDF : 0.0/0

0.125+/-0.000 χ^2/NDF : 1568476.8/18

0.145+/-0.000 χ^2/NDF : 1530632.4/20

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 29.377+/-0.000 χ^2/NDF : 335746.6/1

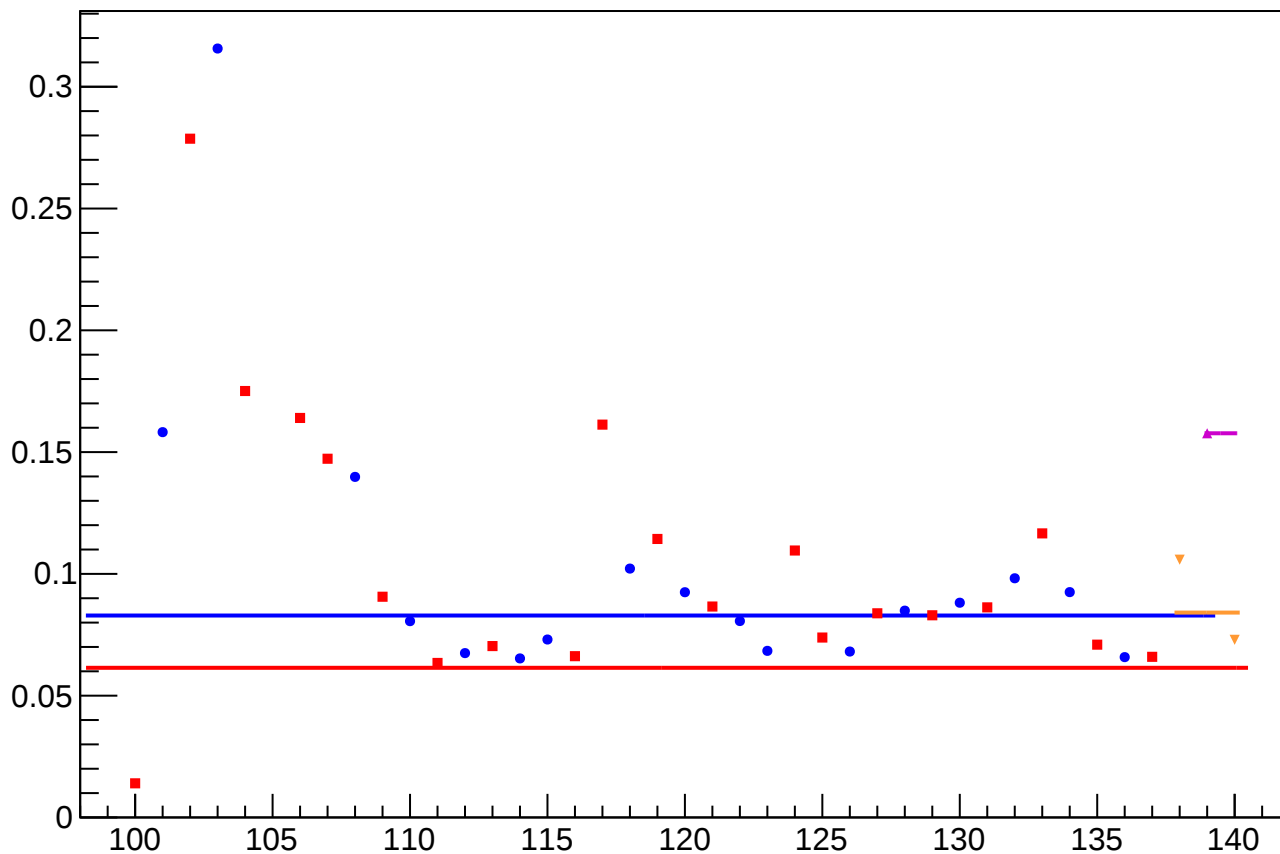
31.458+/-0.000 χ^2/NDF : 2702988633.7/18

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

22.082+/-0.000 χ^2/NDF : 231846004169.5/20

Left In: 29.433+/-0.000 χ^2/NDF : 0.0/0

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.084+/-0.000 χ^2/NDF : 71699.6/1

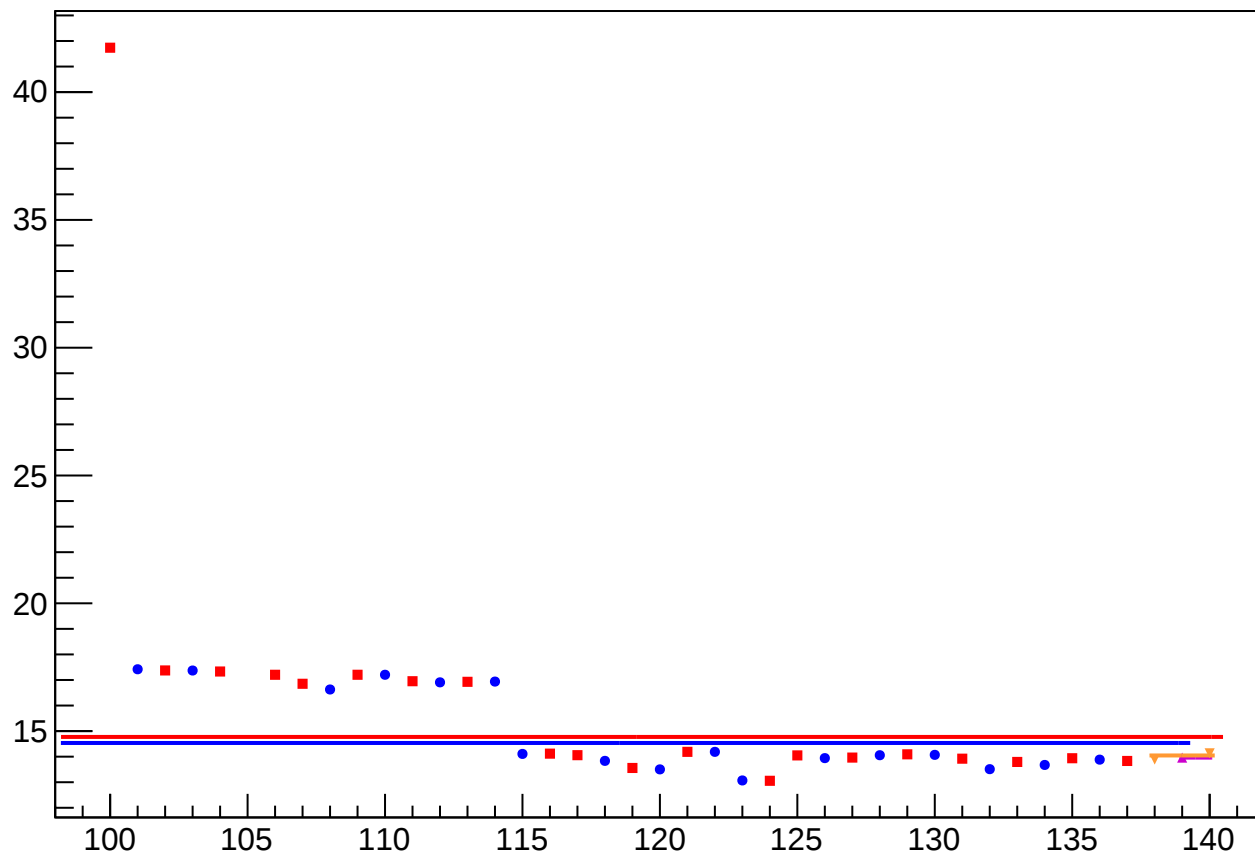
Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

Left In: 0.158+/-0.000 χ^2/NDF : 0.0/0

0.083+/-0.000 χ^2/NDF : 1236509.2/18

0.064+/-0.000 χ^2/NDF : 4155809.5/20

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.047+/-0.000 χ^2/NDF : 2245796.5/1

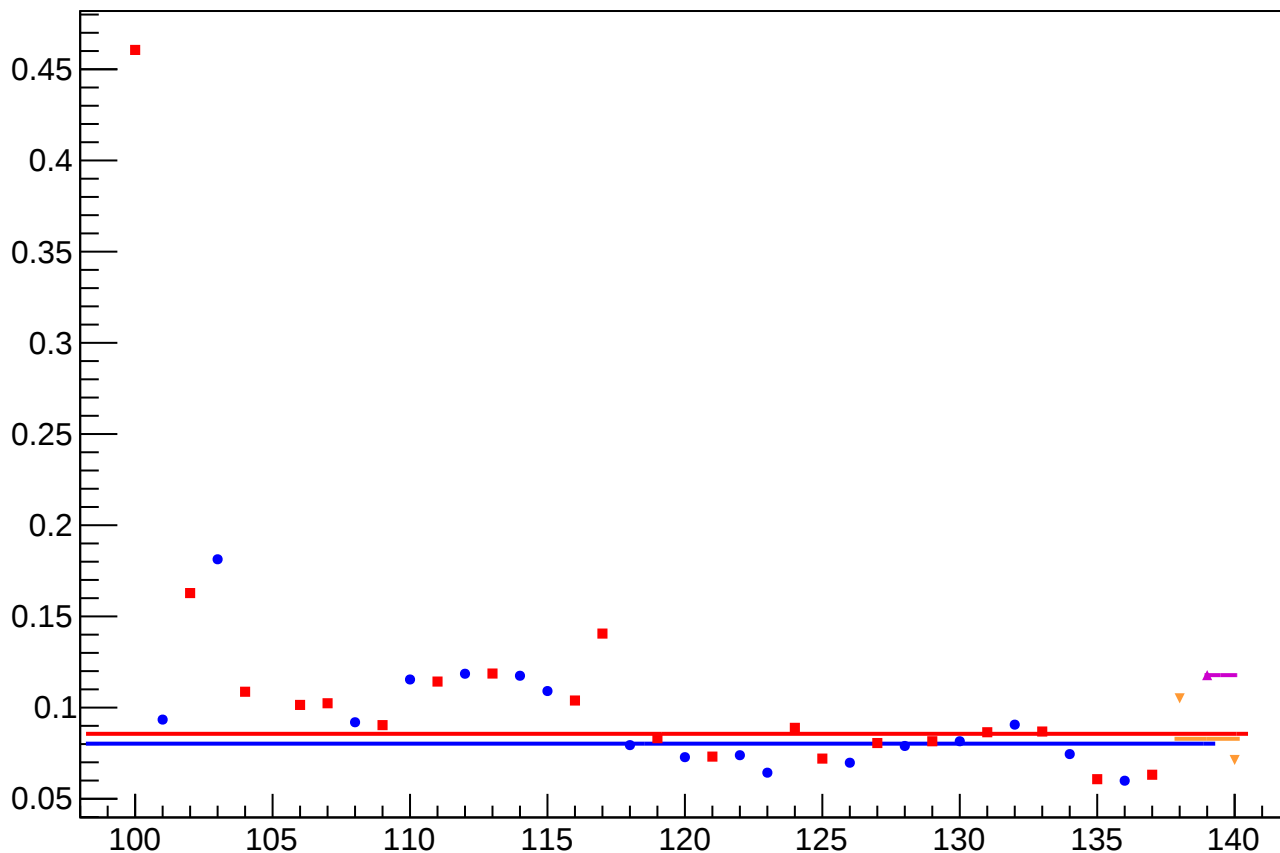
Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

Left In: 13.963+/-0.000 χ^2/NDF : 0.0/0

14.455+/-0.000 χ^2/NDF : 1506503940.7/18

14.724+/-0.000 χ^2/NDF : 1919149672.1/20

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.083+/-0.000 χ^2/NDF : 87204.4/1

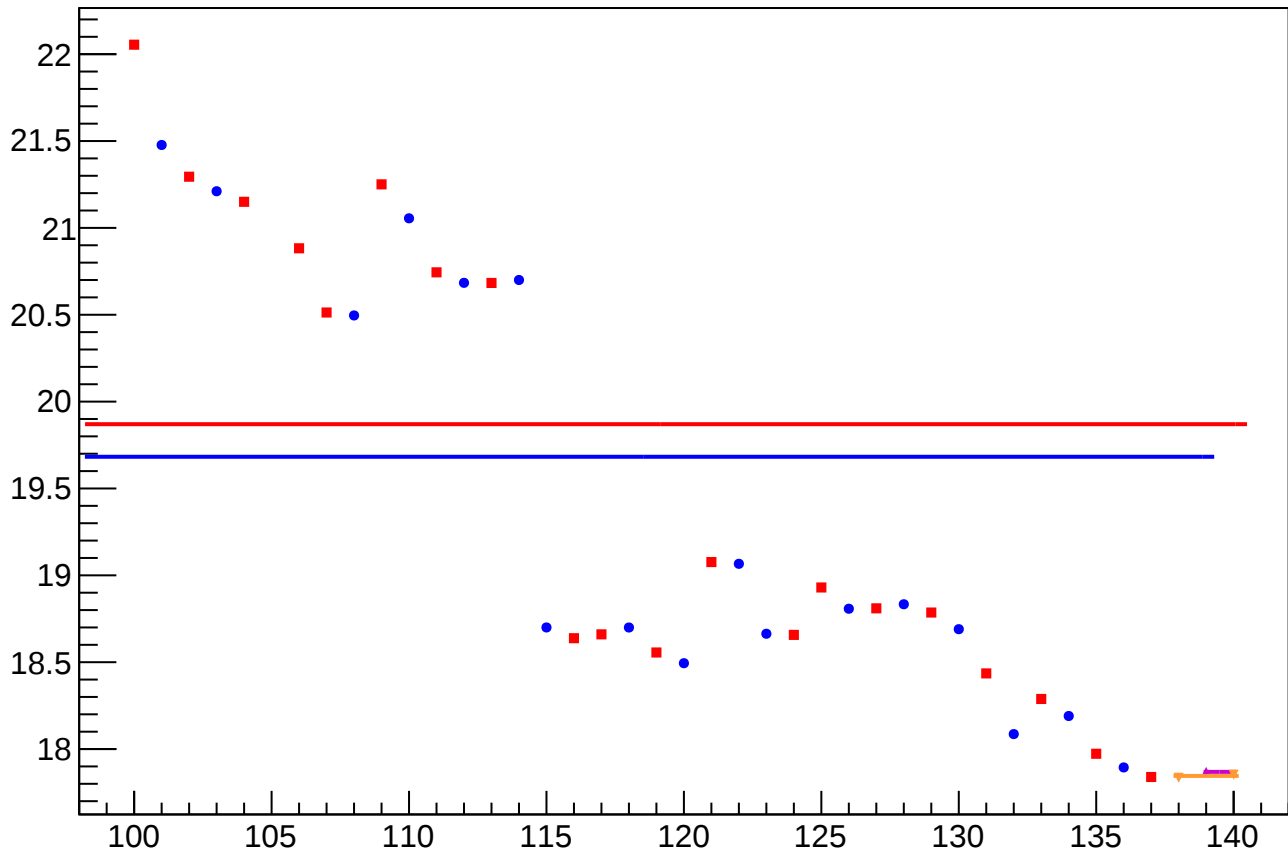
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.118+/-0.000 χ^2/NDF : 0.0/0

0.081+/-0.000 χ^2/NDF : 867945.0/18

0.088+/-0.000 χ^2/NDF : 849397.6/20

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.845+/-0.000 χ^2/NDF : 93571.3/1

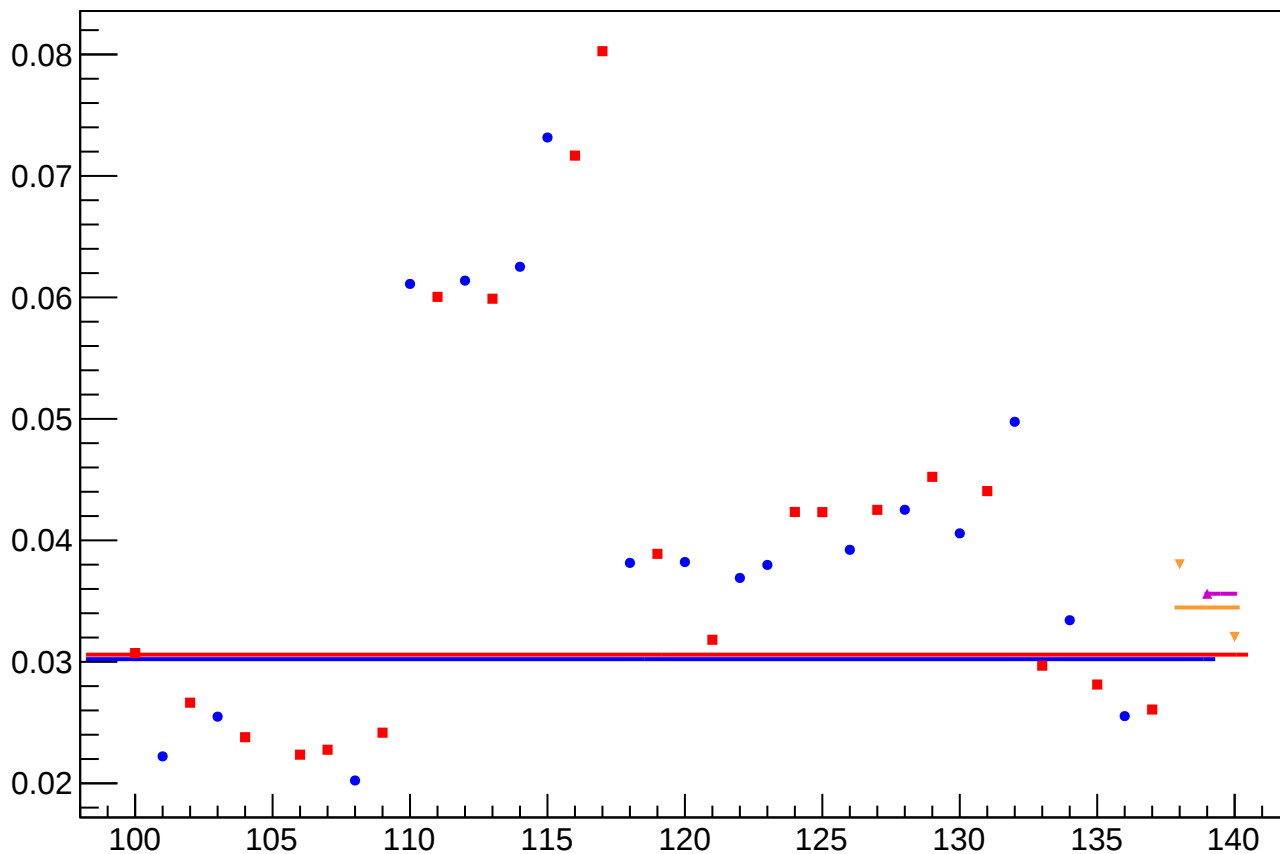
19.383+/-0.000 χ^2/NDF : 15640299328.8/18

Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

19.710+/-0.000 χ^2/NDF : 13364942516.3/20

Left In: 17.869+/-0.000 χ^2/NDF : 0.0/0

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.034+/-0.000 χ^2/NDF : 20554.1/1

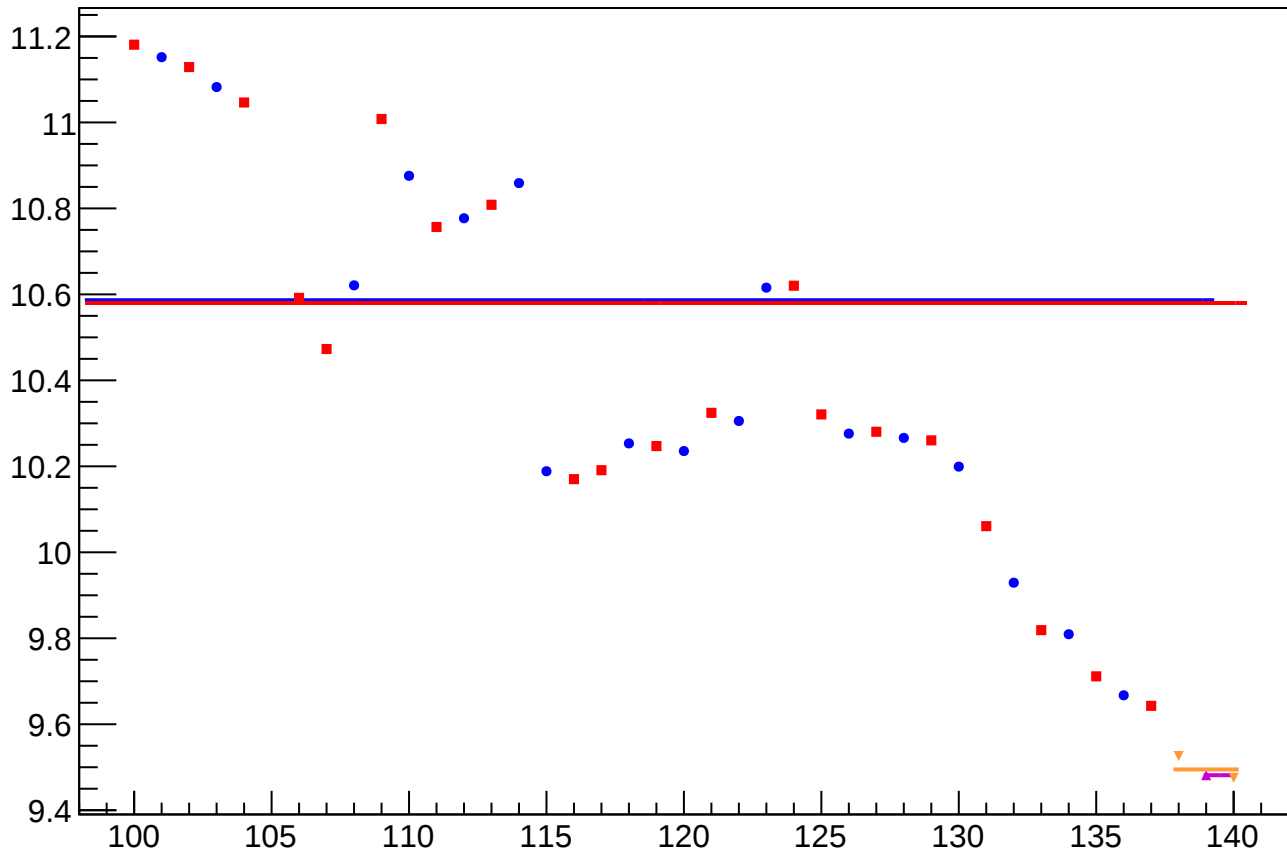
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.036+/-0.000 χ^2/NDF : 0.0/0

0.031+/-0.000 χ^2/NDF : 1381137.7/18

0.031+/-0.000 χ^2/NDF : 1244734.6/20

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.495 $\pm$ 0.000 χ^2 /NDF:2166783.9/1

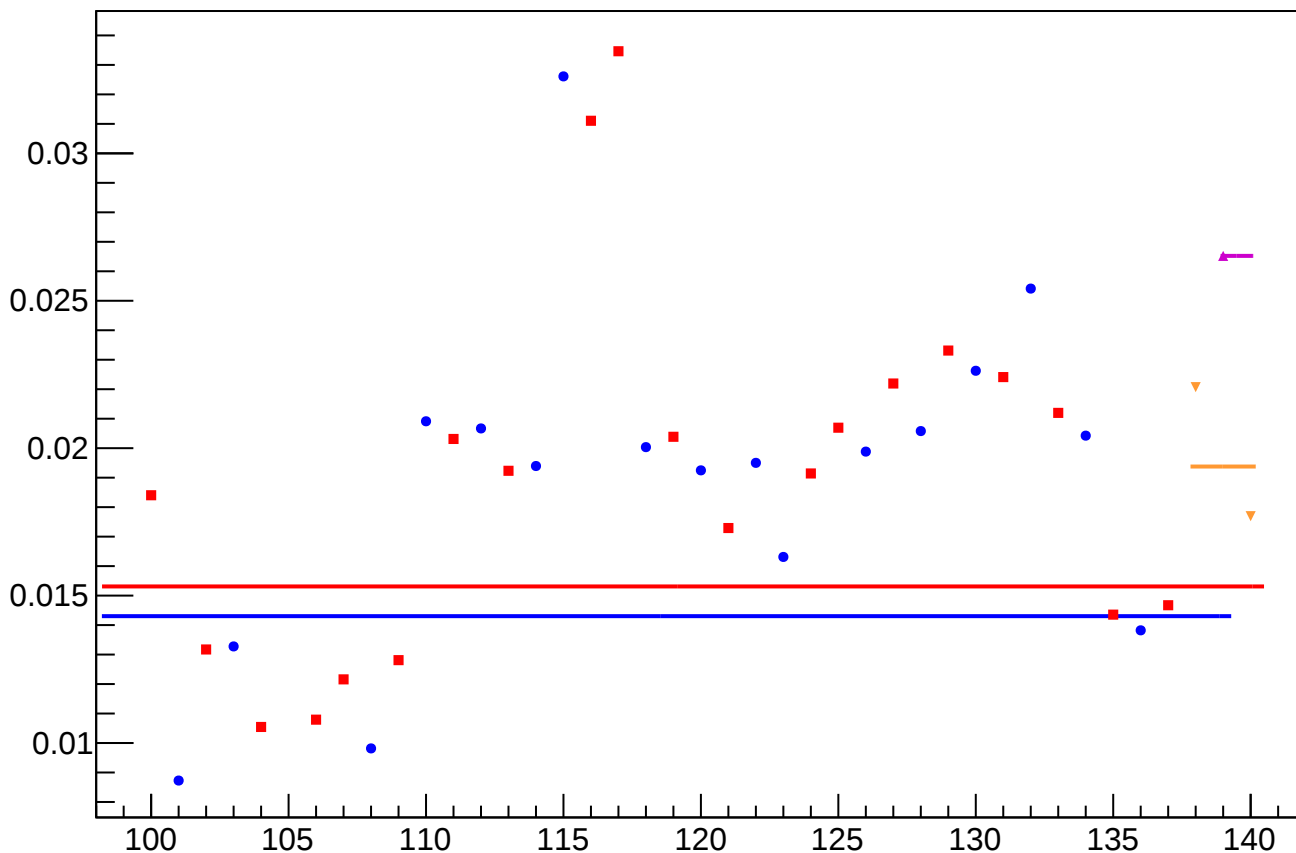
10.454 $\pm$ 0.000 χ^2 /NDF: 11178662264.5/18

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

10.537 $\pm$ 0.000 χ^2 /NDF: 6953888922.7/20

Left In: 9.481 $\pm$ 0.000 χ^2 /NDF:0.0/0

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 32540.9/1

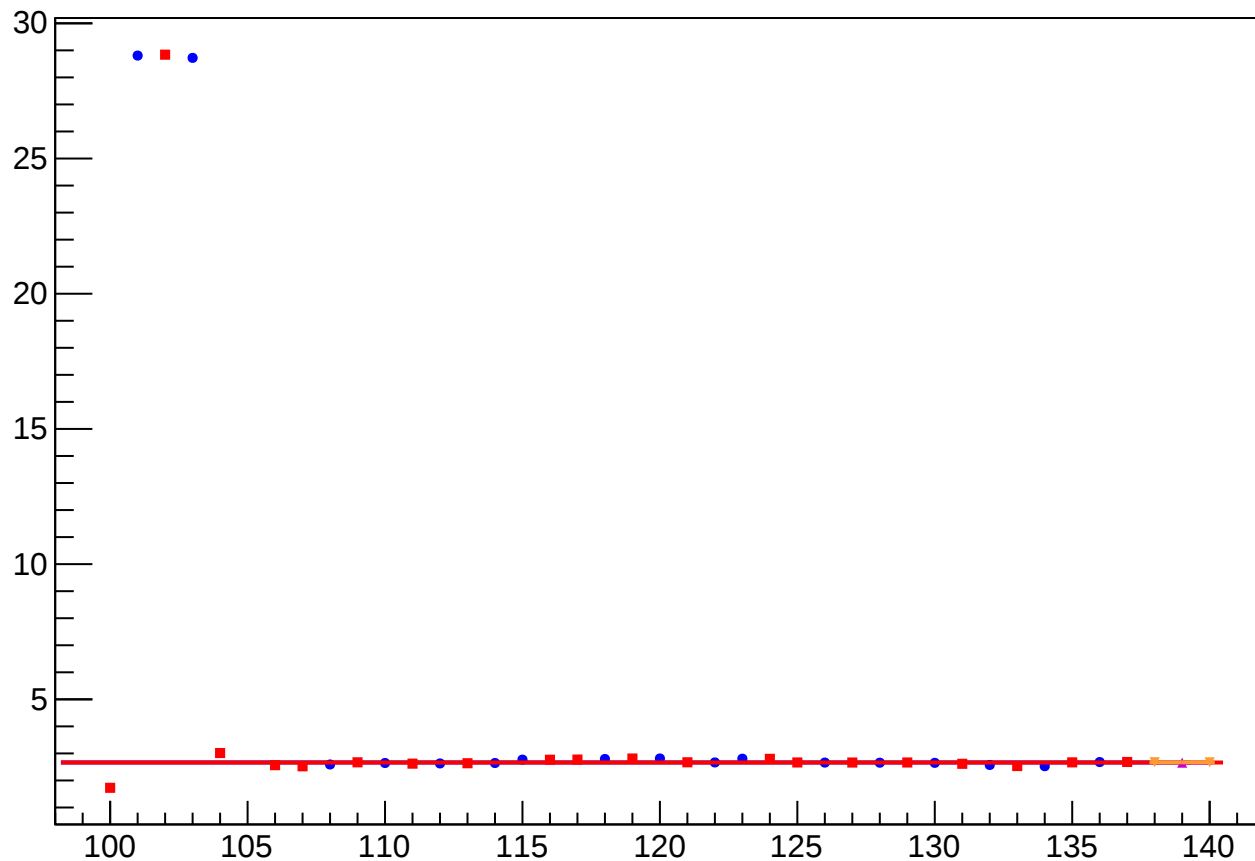
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.027+/-0.000 χ^2/NDF : 0.0/0

0.015+/-0.000 χ^2/NDF : 1602973.7/18

0.016+/-0.000 χ^2/NDF : 1258388.2/20

yield_sam7_mean vs Slug



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.672+/-0.000 χ^2/NDF : 404360.6/1

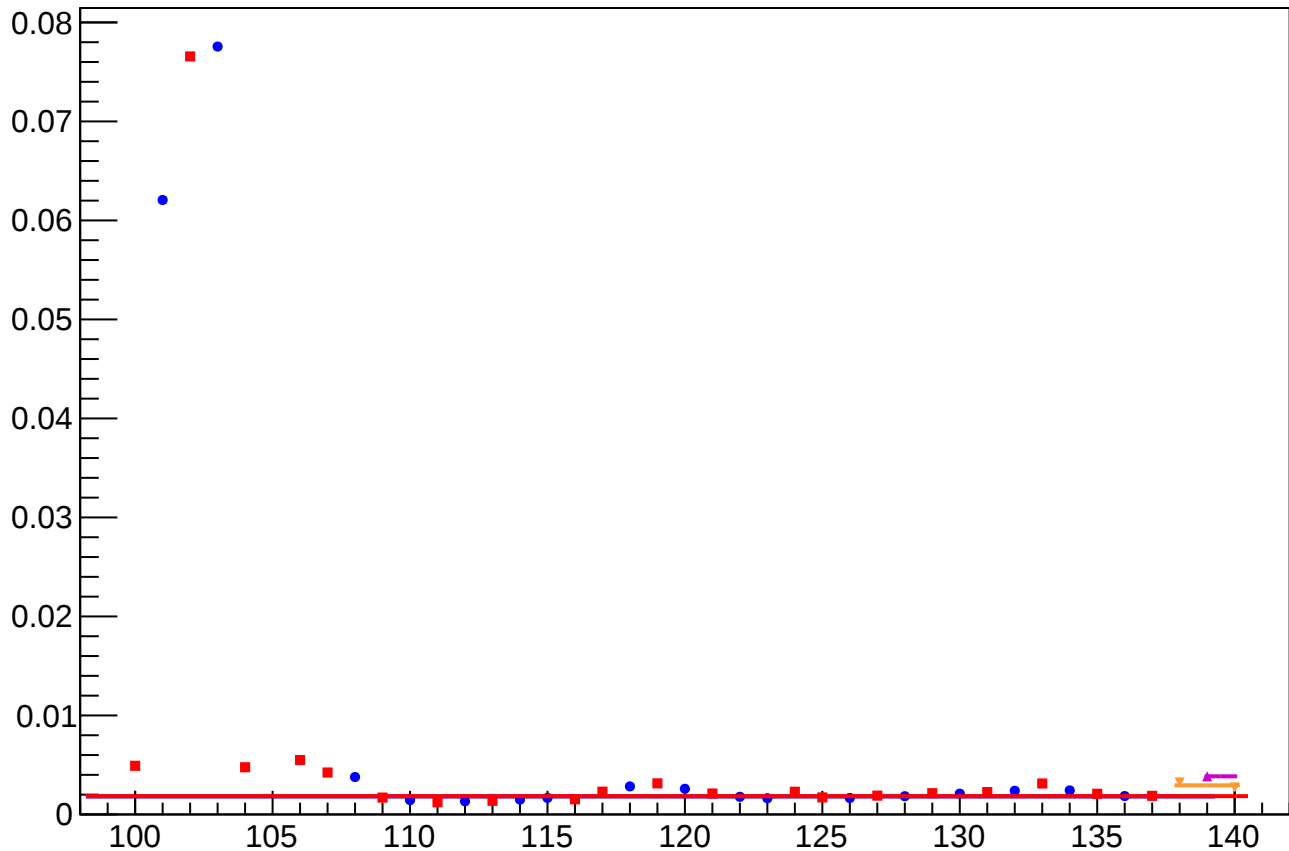
Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.658+/-0.000 χ^2/NDF : 0.0/0

2.667+/-0.000 χ^2/NDF : 163172584224.8/18

2.664+/-0.000 χ^2/NDF : 70485500918.5/20

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.003+/-0.000 χ^2/NDF :17119.4/1

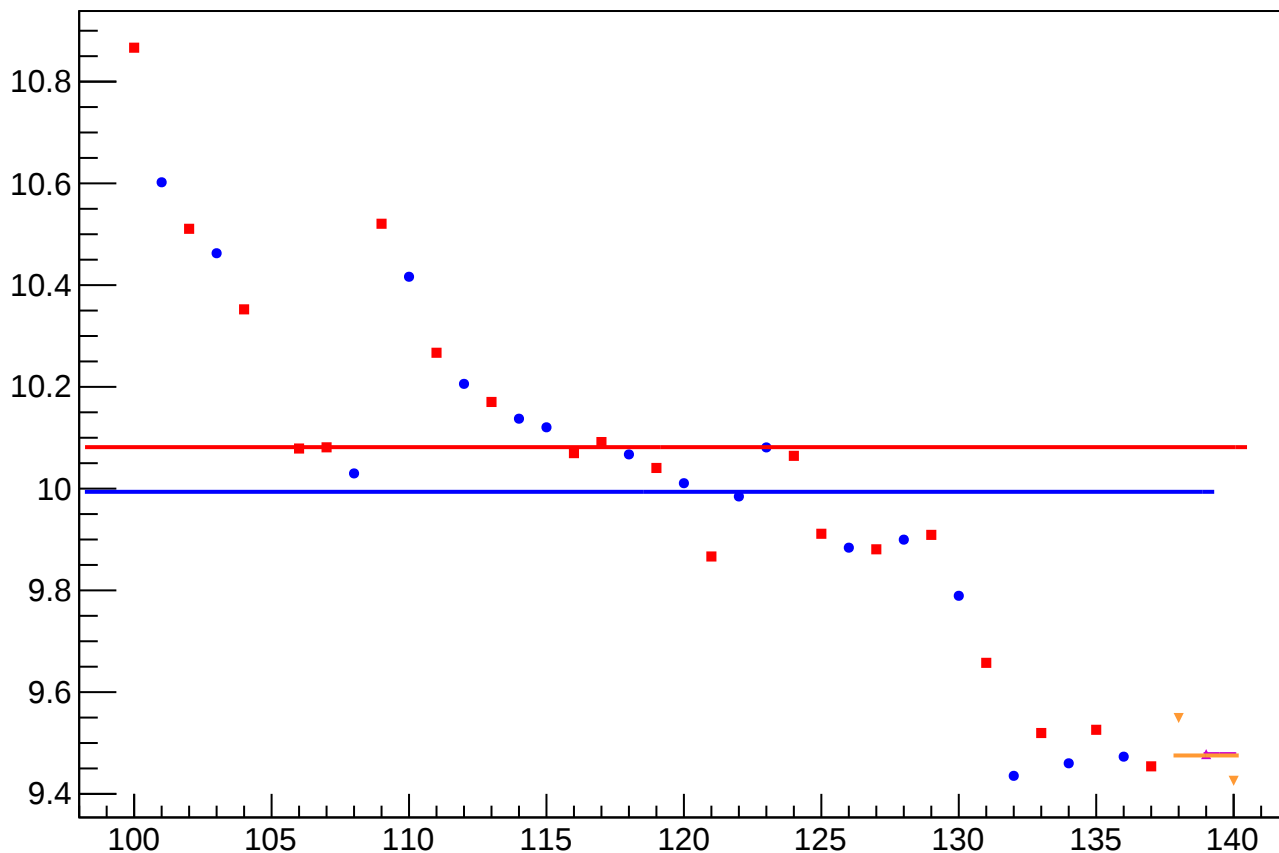
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.004+/-0.000 χ^2/NDF :0.0/0

0.002+/-0.000 χ^2/NDF : 2995887.8/18

0.002+/-0.000 χ^2/NDF : 2699953.5/20

yield_sam8_mean vs Slug



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.476+/-0.000 χ^2/NDF : 49118791.6/1

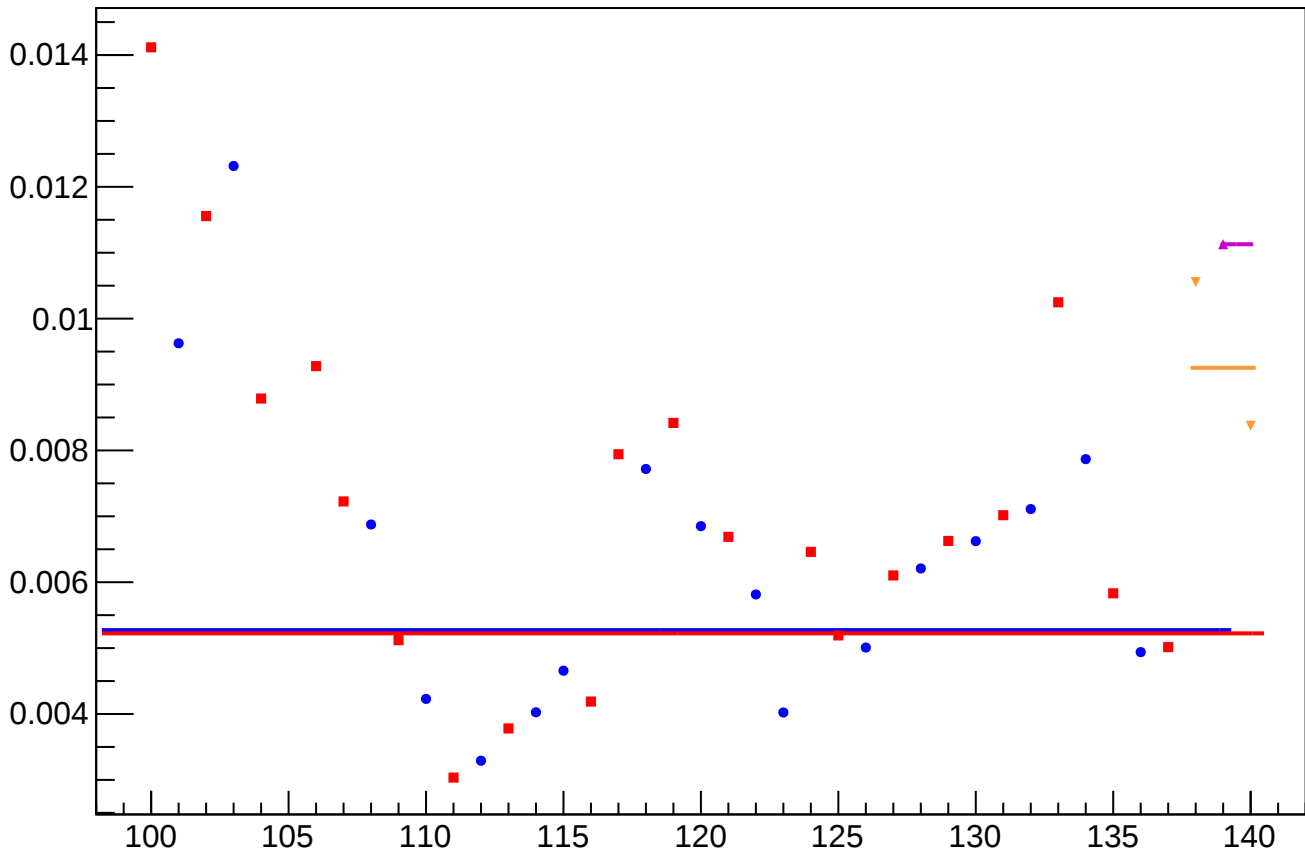
Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

Left In: 9.478+/-0.000 χ^2/NDF : 0.0/0

9.958+/-0.000 χ^2/NDF : 22217521381.6/18

10.065+/-0.000 χ^2/NDF : 17447051140.1/20

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.009+/-0.000 χ^2/NDF :30651.8/1

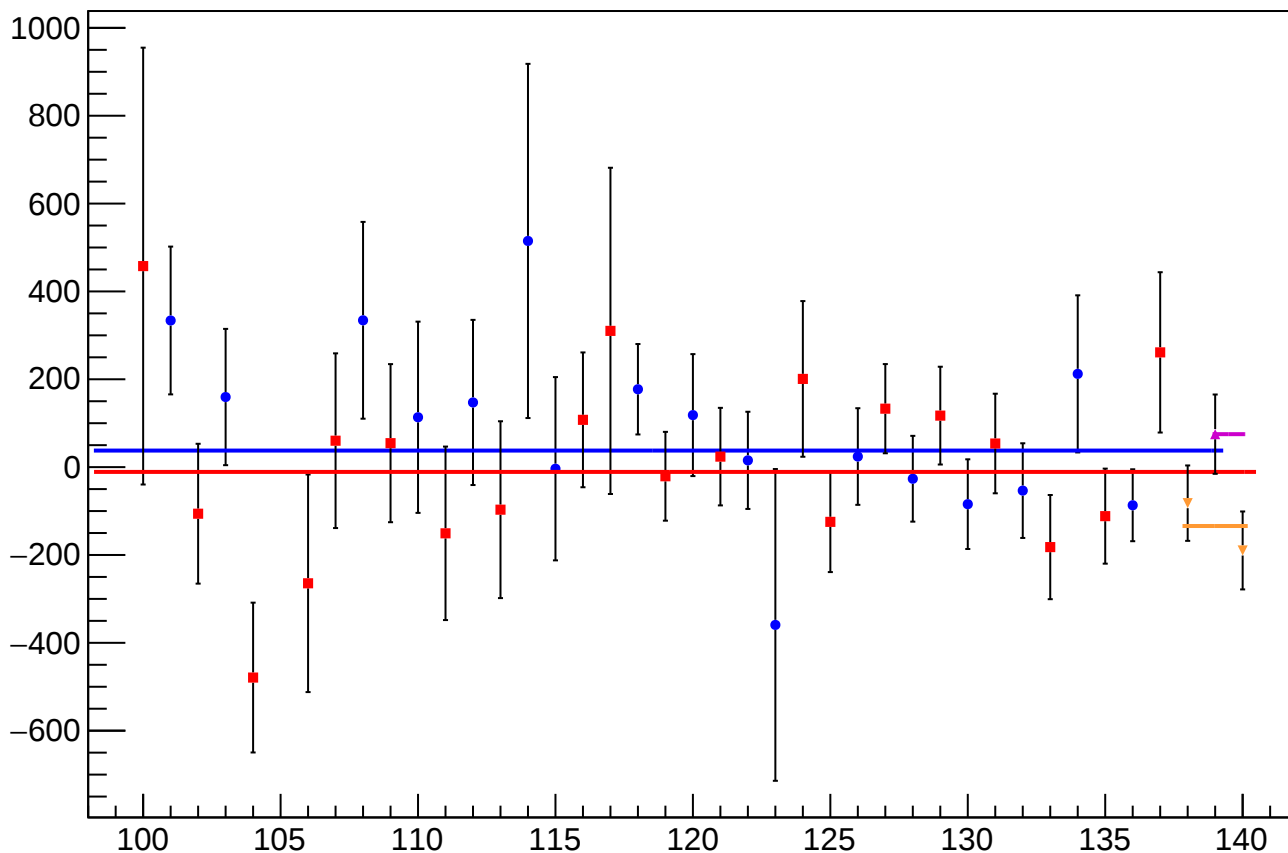
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.011+/-0.000 χ^2/NDF :0.0/0

0.006+/-0.000 χ^2/NDF : 1671802.8/18

0.005+/-0.000 χ^2/NDF : 2040016.7/20

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -134.061 $\pm$ 61.687 χ^2 /NDF: 0.8/1

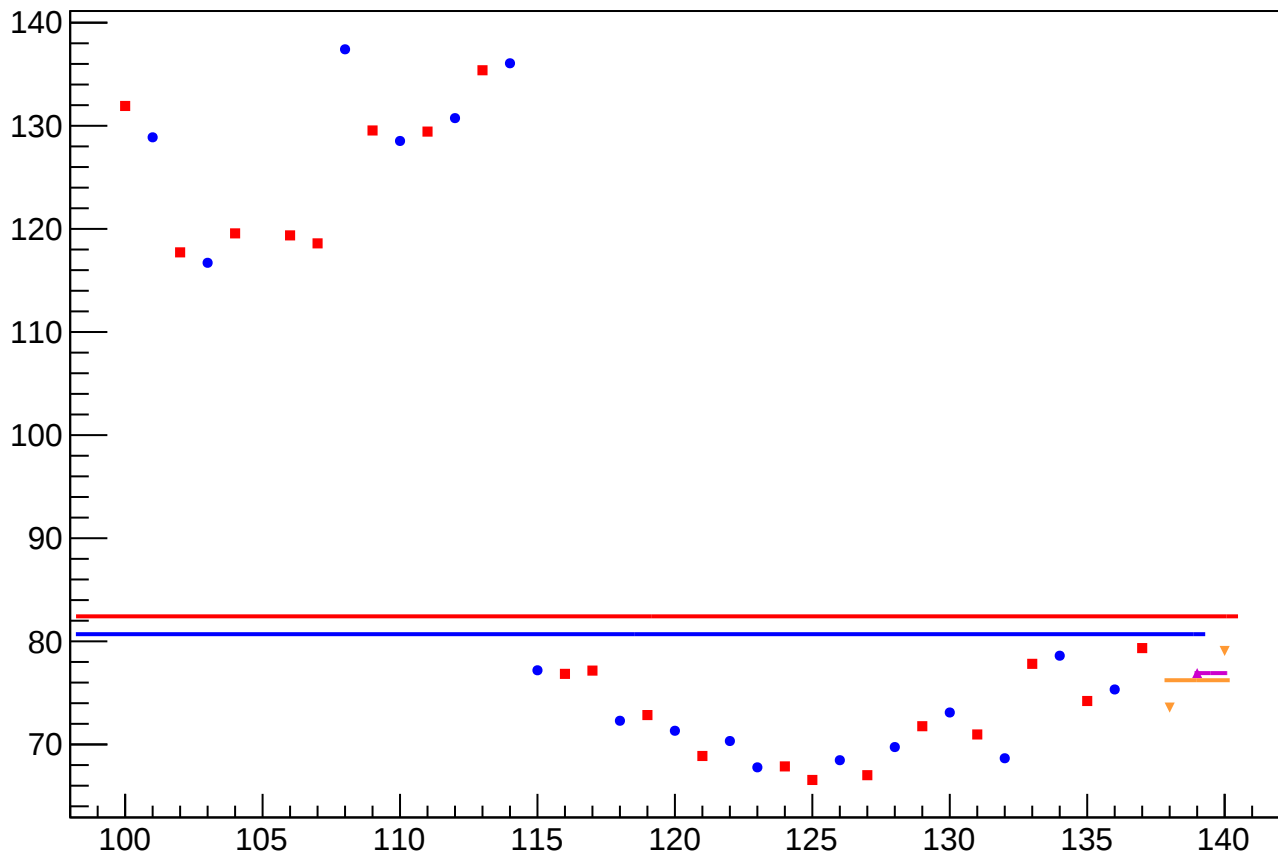
Right Out: -10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

Left In: 75.052 $\pm$ 90.294 χ^2 /NDF: 0.0/0

0.820 $\pm$ 28.582 χ^2 /NDF: 23.5/18

-1.323 $\pm$ 30.118 χ^2 /NDF: 24.3/20

reg_asym_sam1_rms vs Slug



Right In: 80.694+/-0.023 χ^2/NDF : 814026.4/16

Left Out: 76.229+/-0.044 χ^2/NDF :3957.8/1

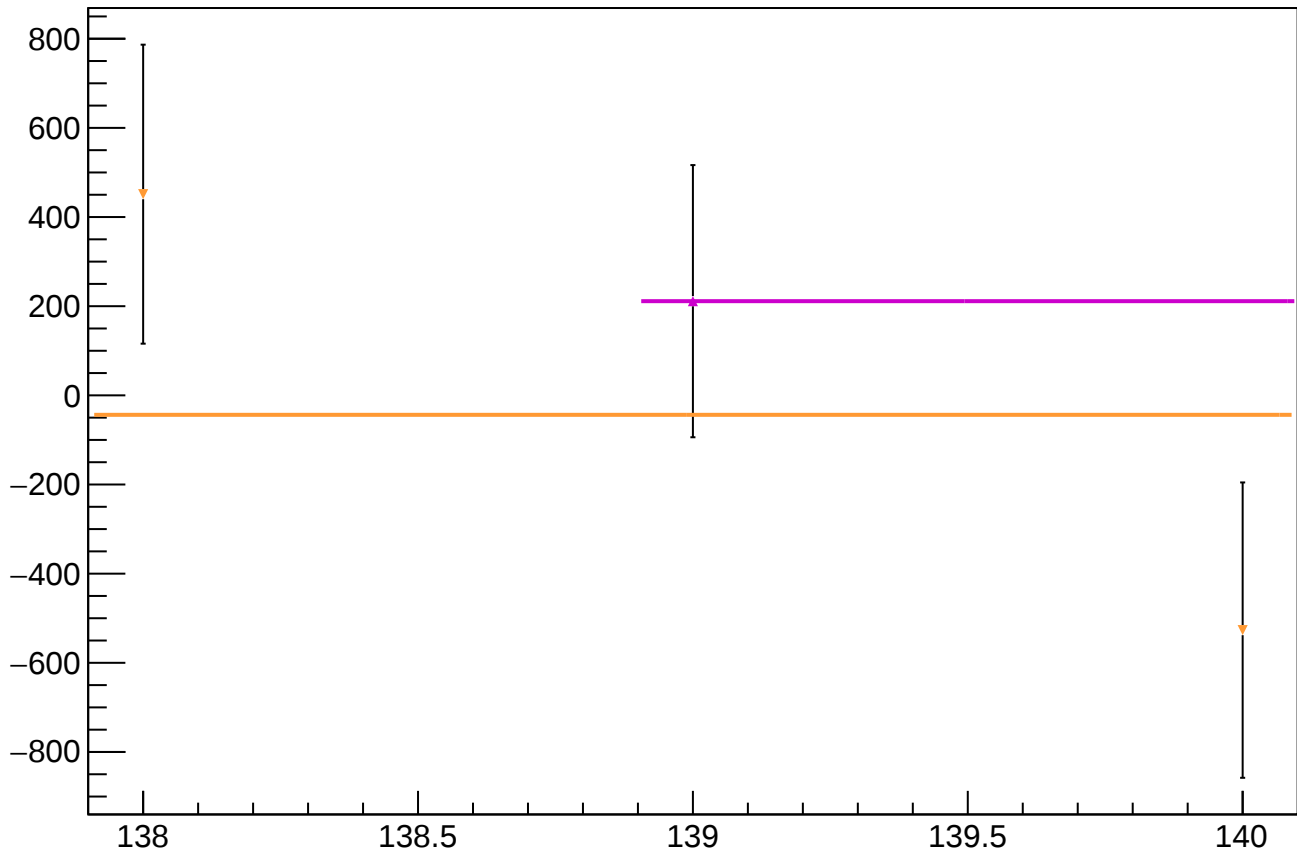
Right Out: 82.424+/-0.023 χ^2/NDF : 915282.5/19

Left In: 76.920+/-0.064 χ^2/NDF :0.0/0

79.736+/-0.020 χ^2/NDF : 826213.4/18

81.812+/-0.021 χ^2/NDF : 921888.8/20

asym_sam1_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -43.679+/-235.684 χ^2/NDF : 4.3/1

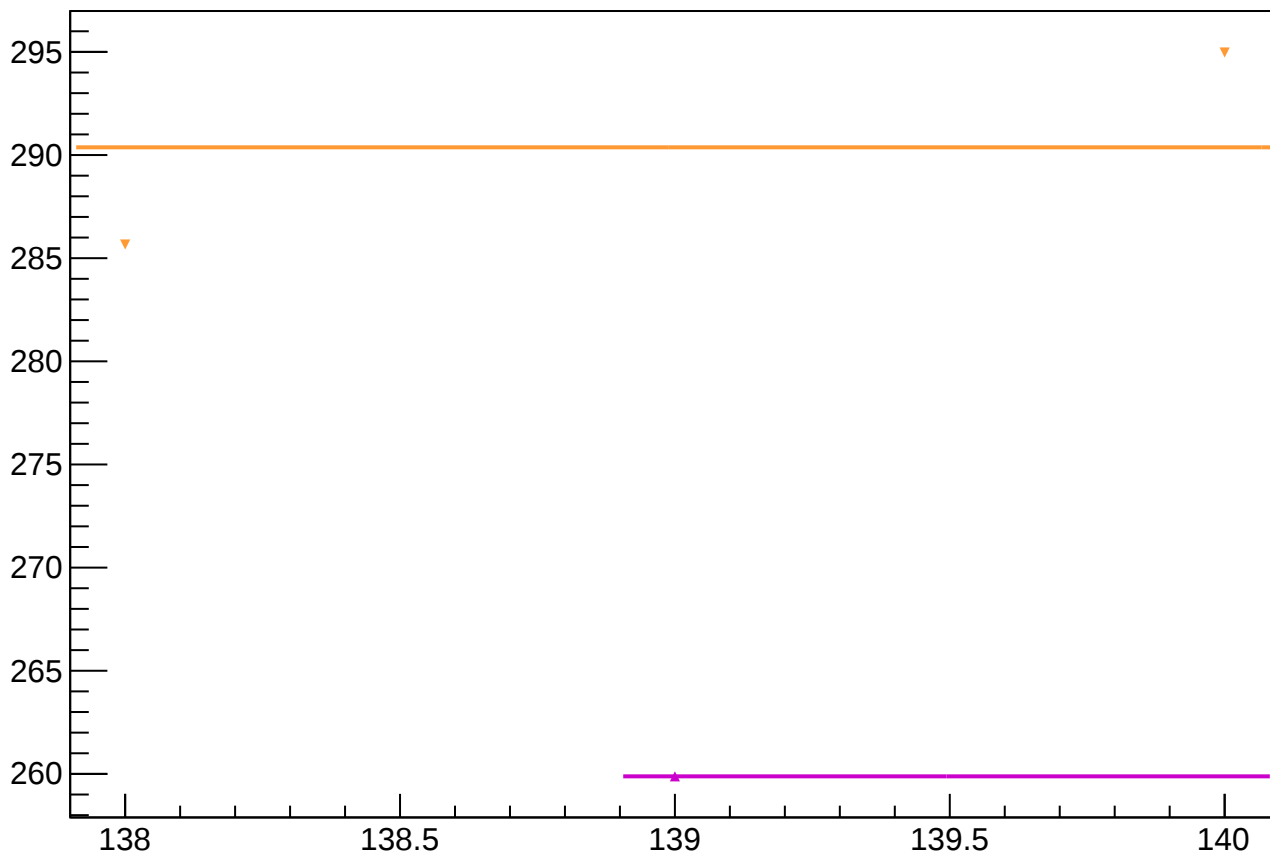
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 211.272+/-305.290 χ^2/NDF : 0.0/0

-43.679+/-235.684 χ^2/NDF : 4.3/1

211.272+/-305.290 χ^2/NDF : 0.0/0

asym_sam1_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 290.374+/-0.167 χ^2/NDF : 779.7/1

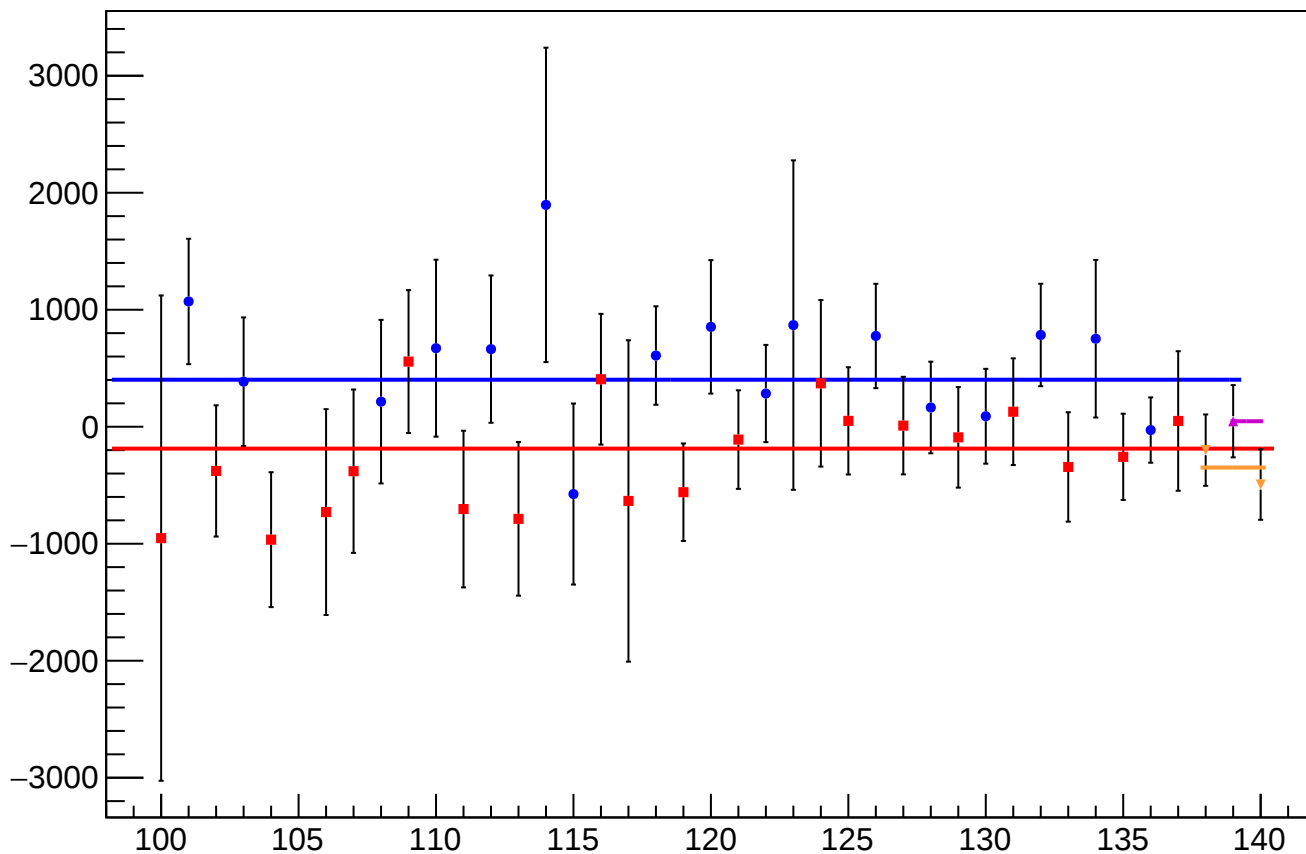
290.374+/-0.167 χ^2/NDF : 779.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

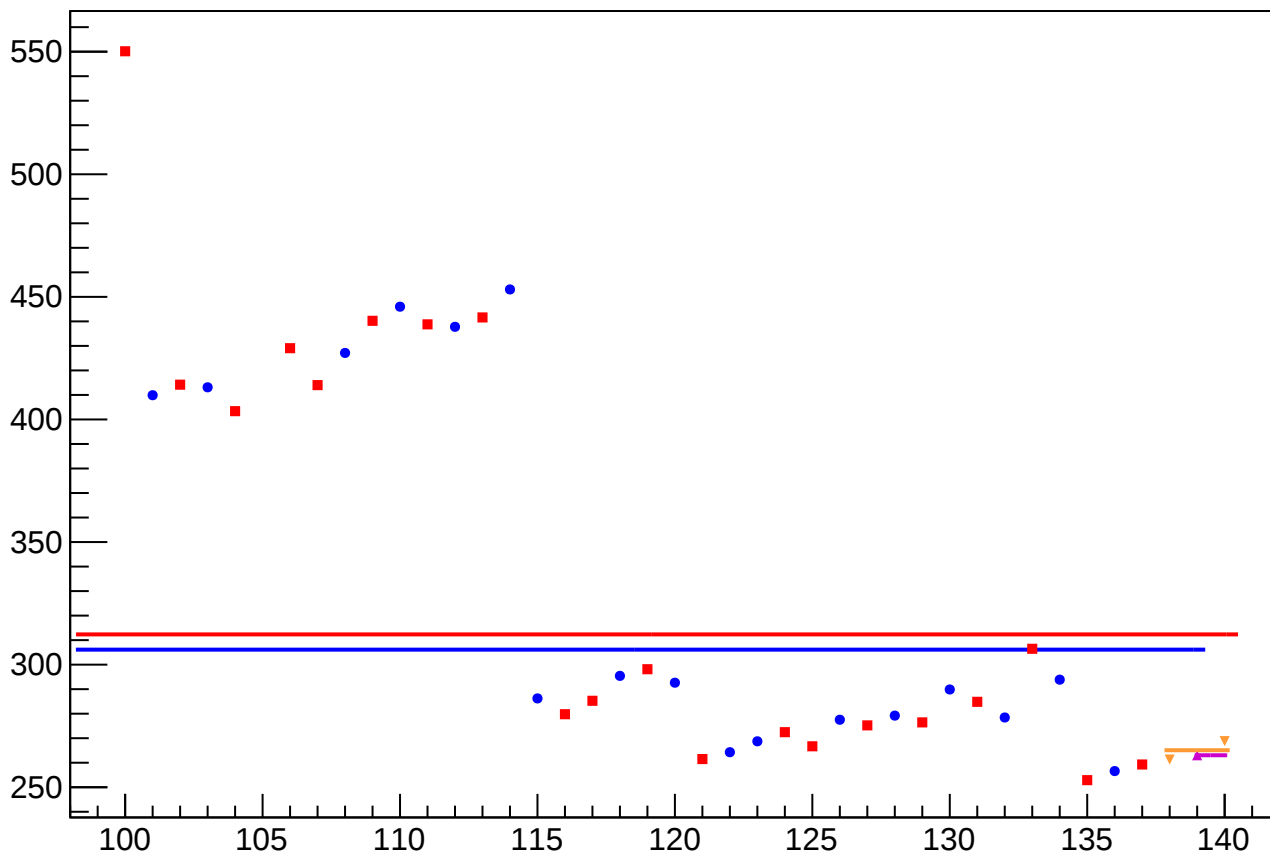
259.881+/-0.216 χ^2/NDF : 0.0/0

Left In: 259.881+/-0.216 χ^2/NDF : 0.0/0

reg_asym_sam2_mean vs Slug



reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 265.092+/-0.152 χ^2/NDF : 615.1/1

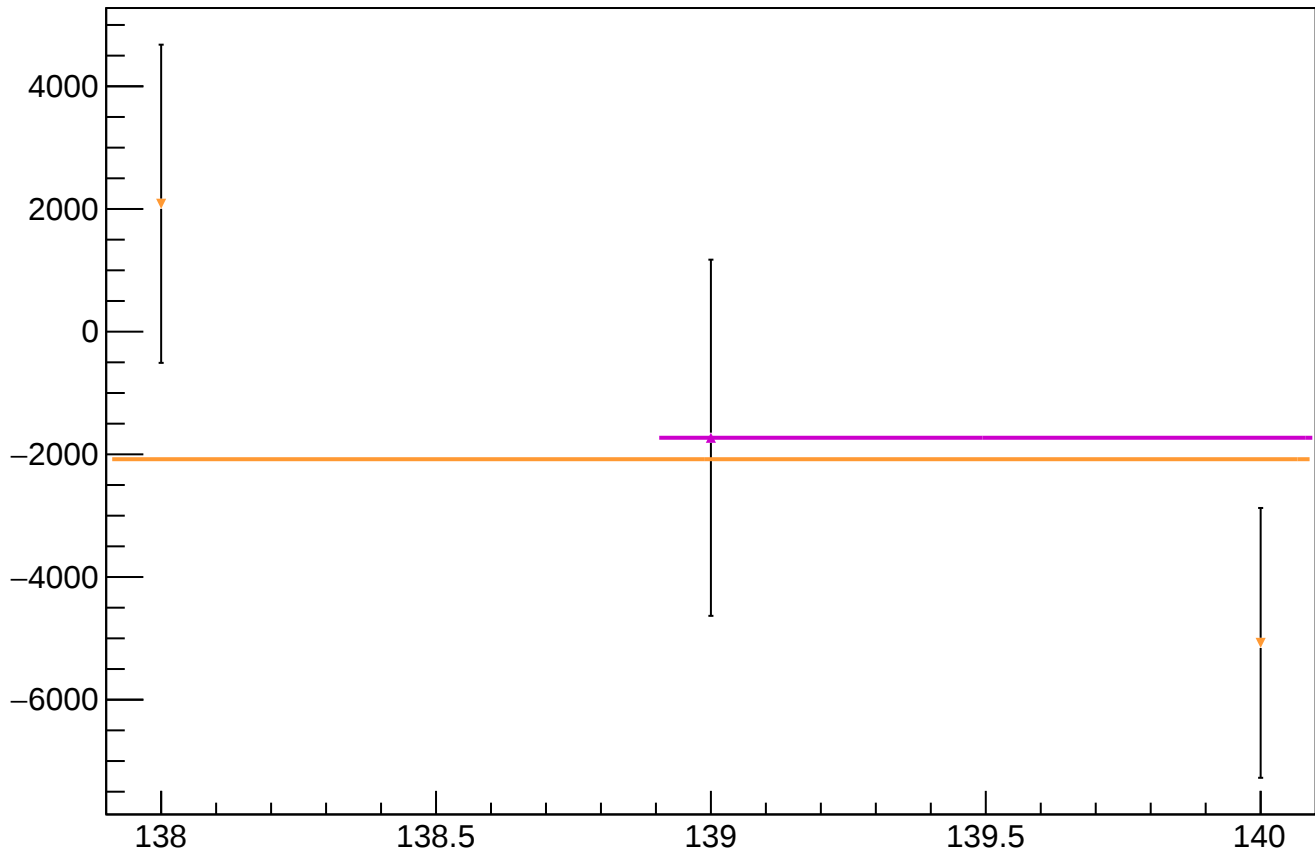
Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

Left In: 263.045+/-0.218 χ^2/NDF : 0.0/0

296.208+/-0.075 χ^2/NDF : 564584.5/18

305.880+/-0.079 χ^2/NDF : 670832.4/20

asym_sam2_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2079.386+/-1677.525 χ^2/NDF : 4.4/1

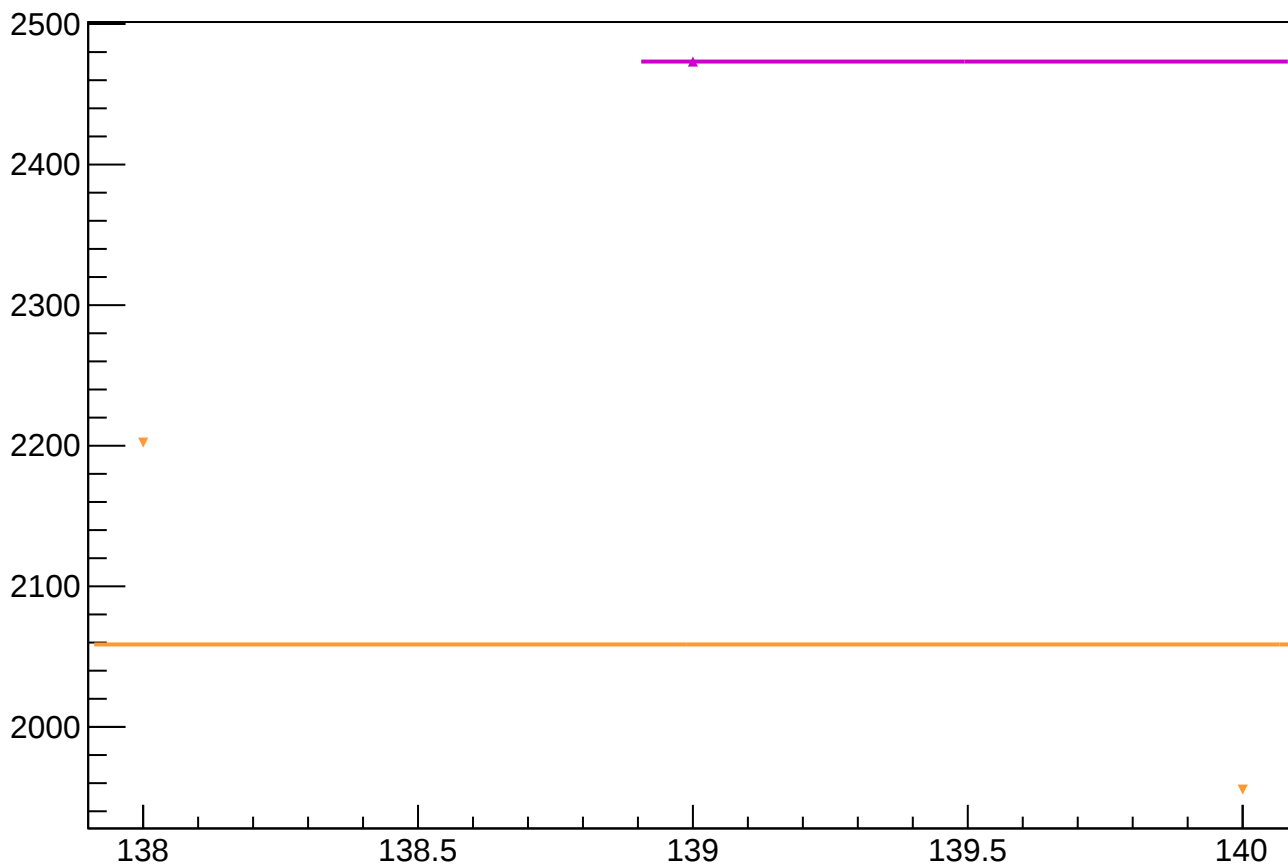
-2079.386+/-1677.525 χ^2/NDF : 4.4/1

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1729.751+/-2903.375 χ^2/NDF : 0.0/0

Left In: -1729.751+/-2903.375 χ^2/NDF : 0.0/0

asym_sam2_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 2058.650+/-1.186 χ^2/NDF :10535.0/1

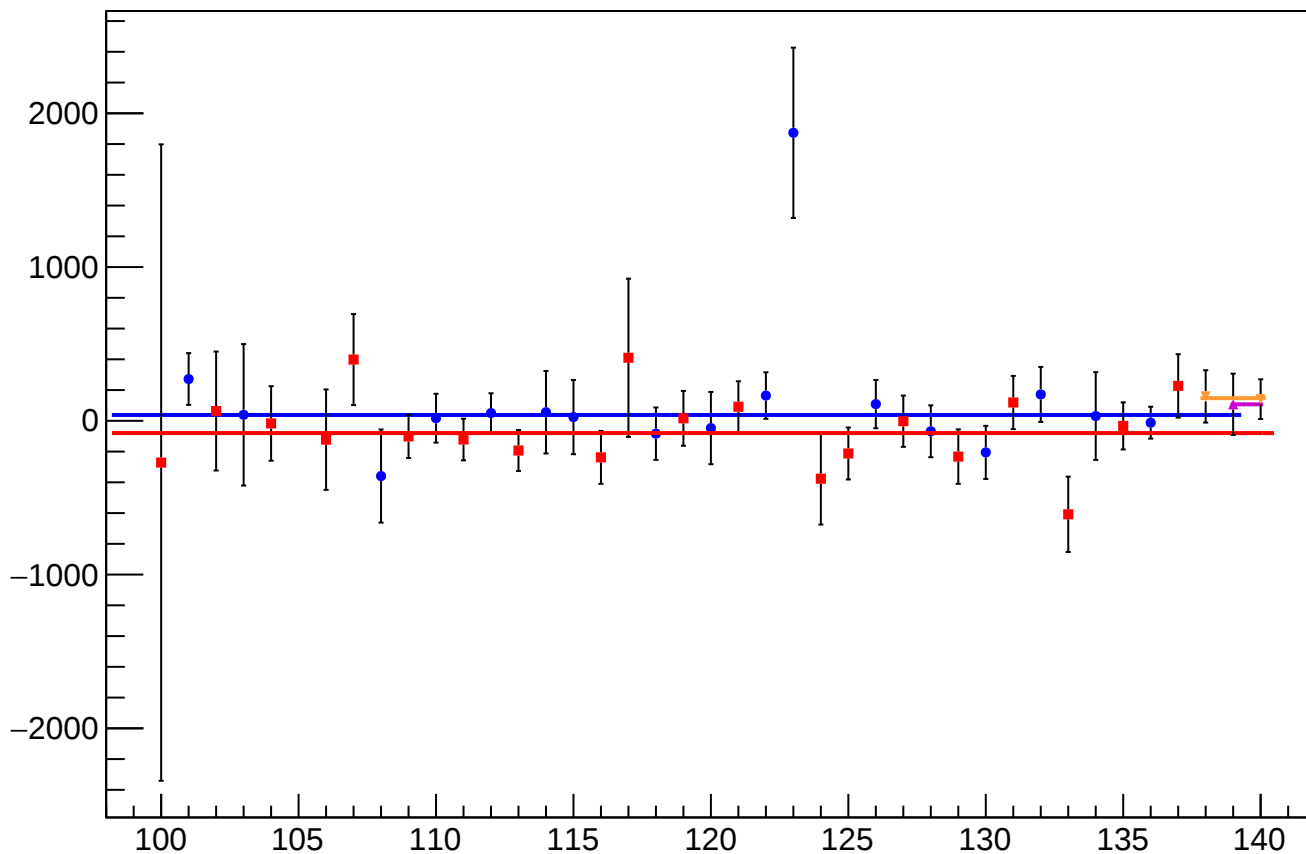
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2473.267+/-2.053 χ^2/NDF :0.0/0

2058.650+/-1.186 χ^2/NDF : 10535.0/1

2473.267+/-2.053 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 147.413+/-102.947 χ^2/NDF : 0.0/1

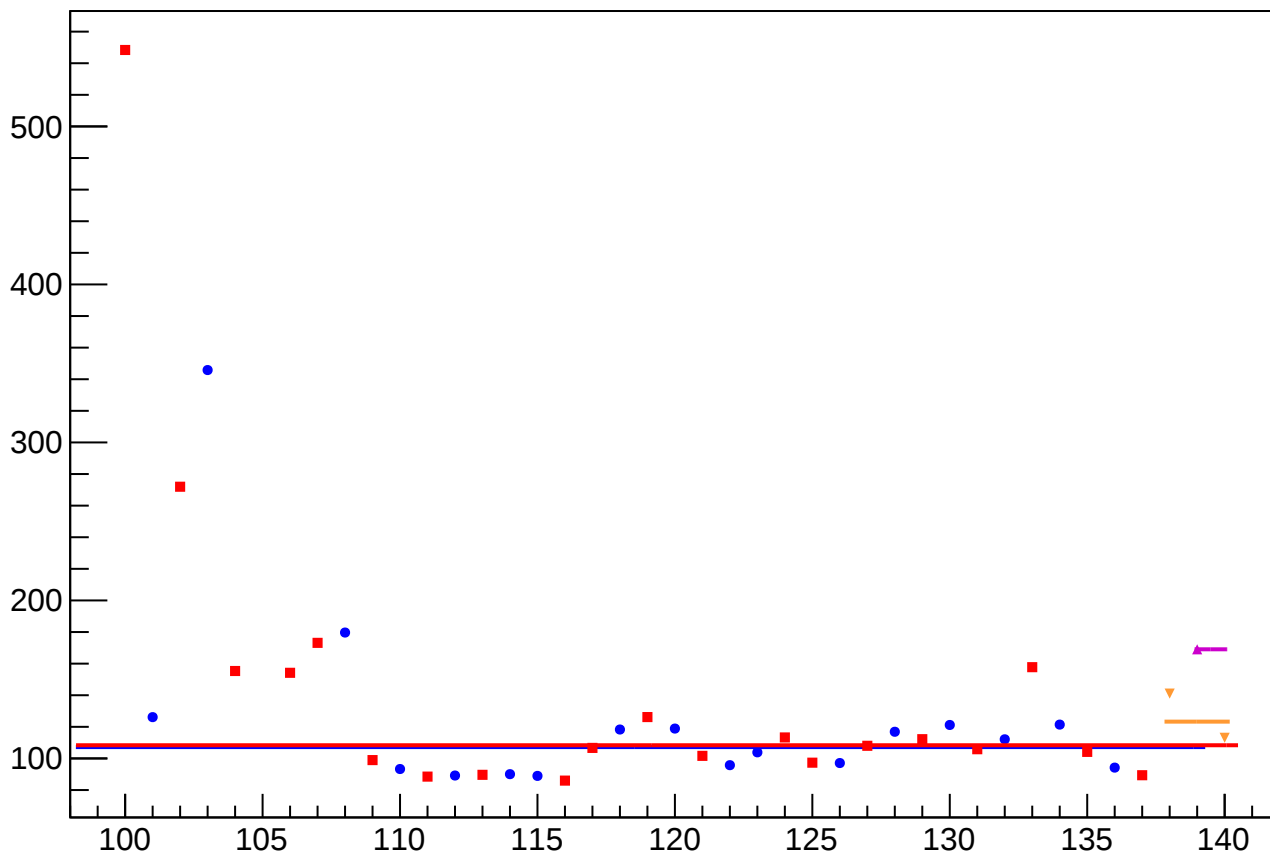
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: 107.318+/-199.269 χ^2/NDF : 0.0/0

54.714+/-40.107 χ^2/NDF : 20.3/18

-71.365+/-41.984 χ^2/NDF : 18.5/20

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 123.293+/-0.073 χ^2/NDF : 34222.0/1

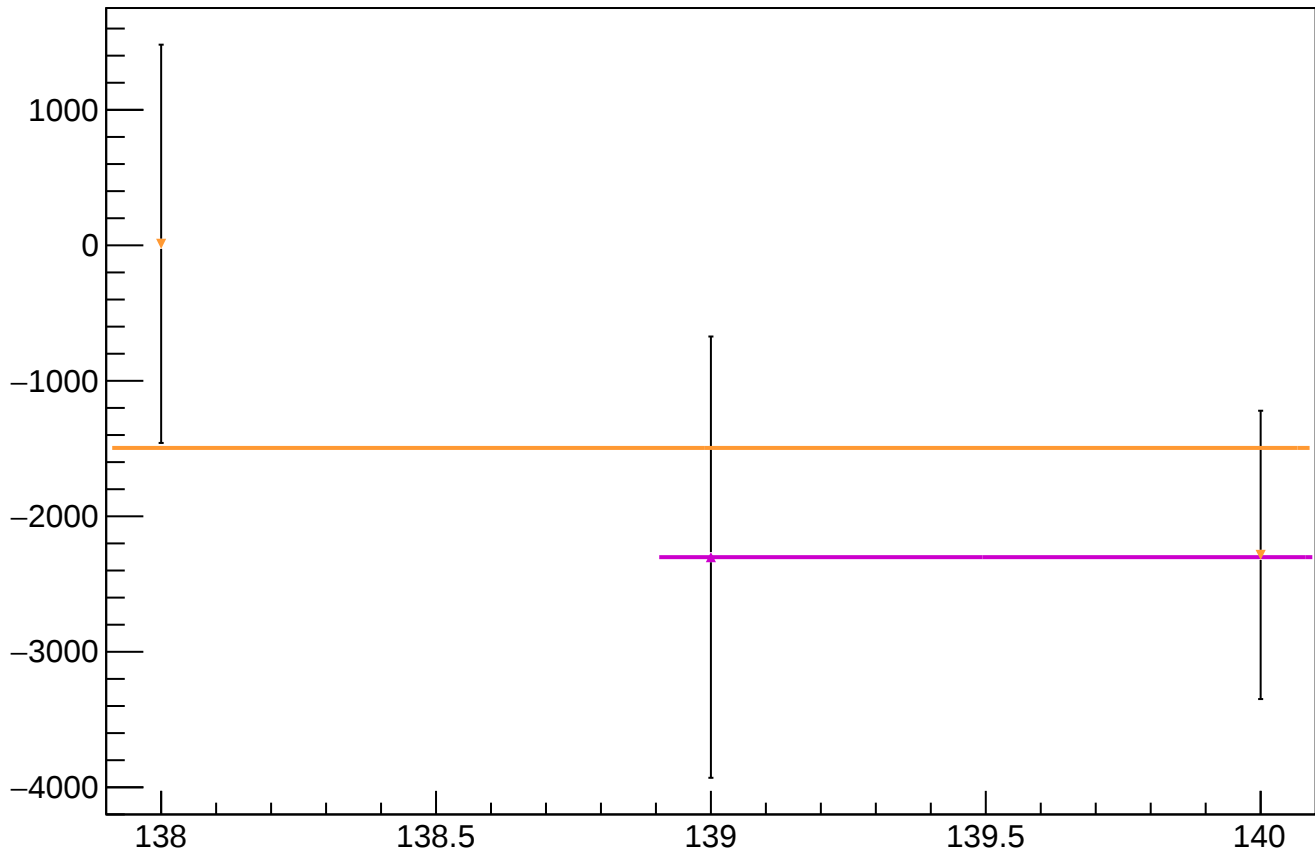
Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

Left In: 169.069+/-0.141 χ^2/NDF : 0.0/0

109.633+/-0.028 χ^2/NDF : 918849.3/18

111.042+/-0.030 χ^2/NDF : 1094777.2/20

asym_sam3_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: -1495.234+/-861.875 χ^2 /NDF: 1.6/1

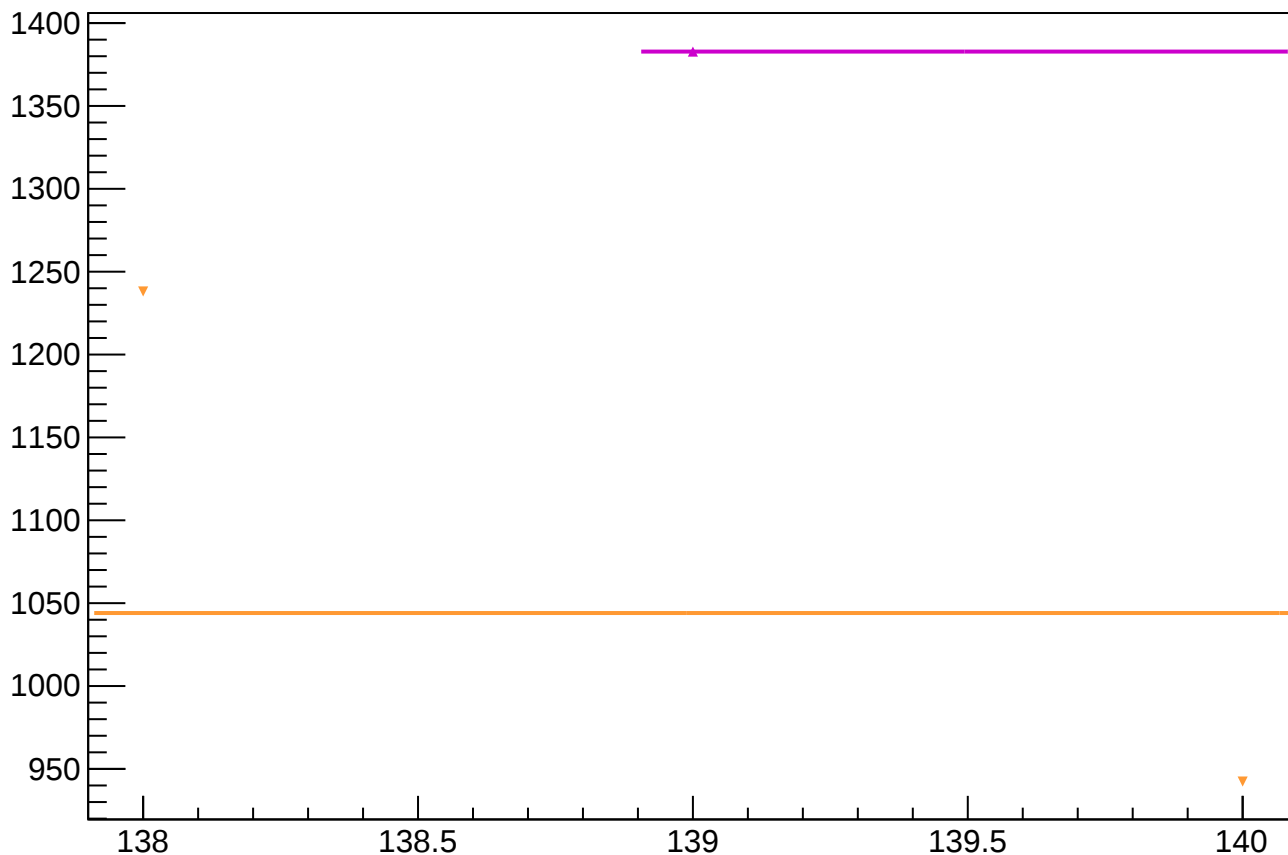
-1495.234+/-861.875 χ^2 /NDF: 1.6/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

-2301.403+/-1628.501 χ^2 /NDF: 0.0/0

Left In: -2301.403+/-1628.501 χ^2 /NDF: 0.0/0

asym_sam3_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1044.049+/-0.609 χ^2/NDF : 53115.1/1

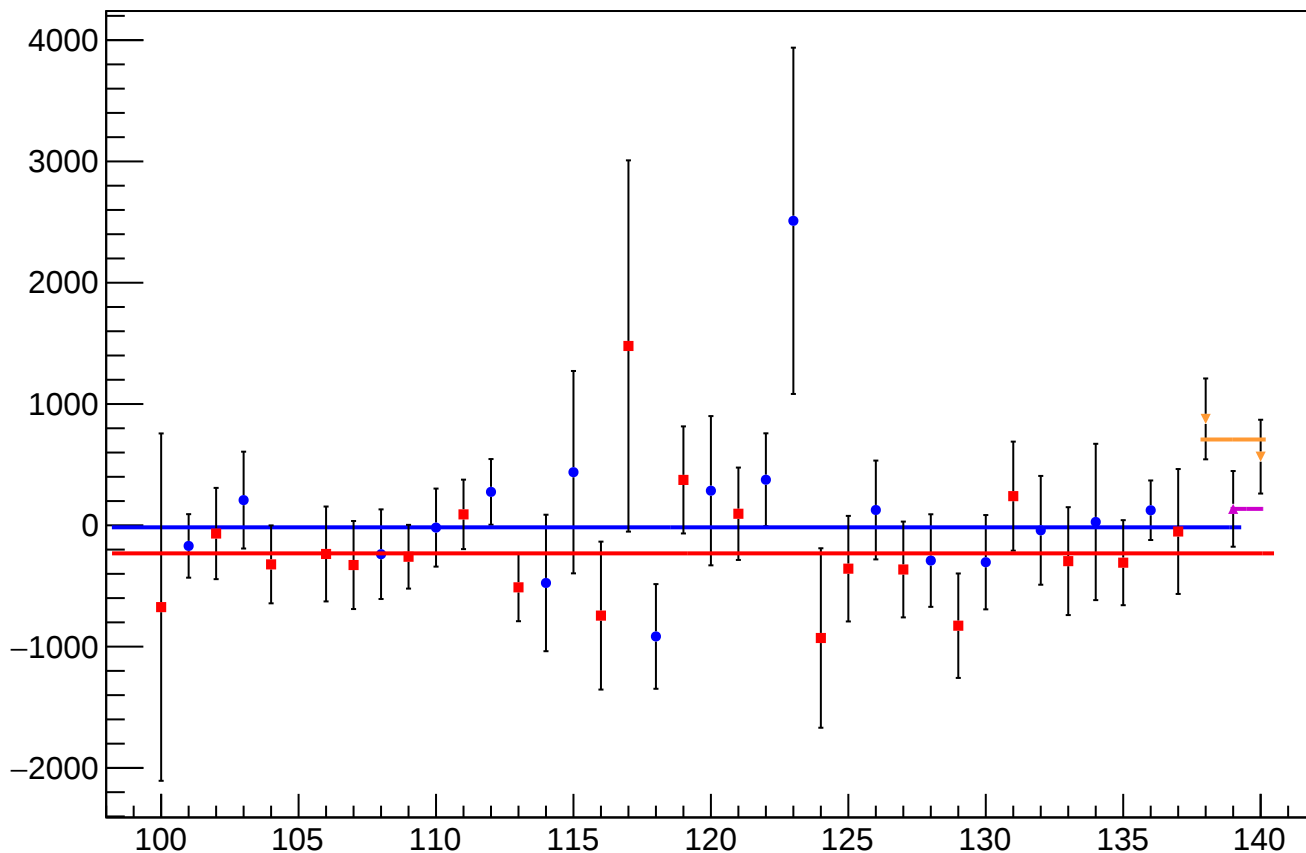
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1382.803+/-1.152 χ^2/NDF : 0.0/0

1044.049+/-0.609 χ^2/NDF : 53115.1/1

1382.803+/-1.152 χ^2/NDF : 0.0/0

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 707.578 ± 224.701 χ^2/NDF : 0.5/1

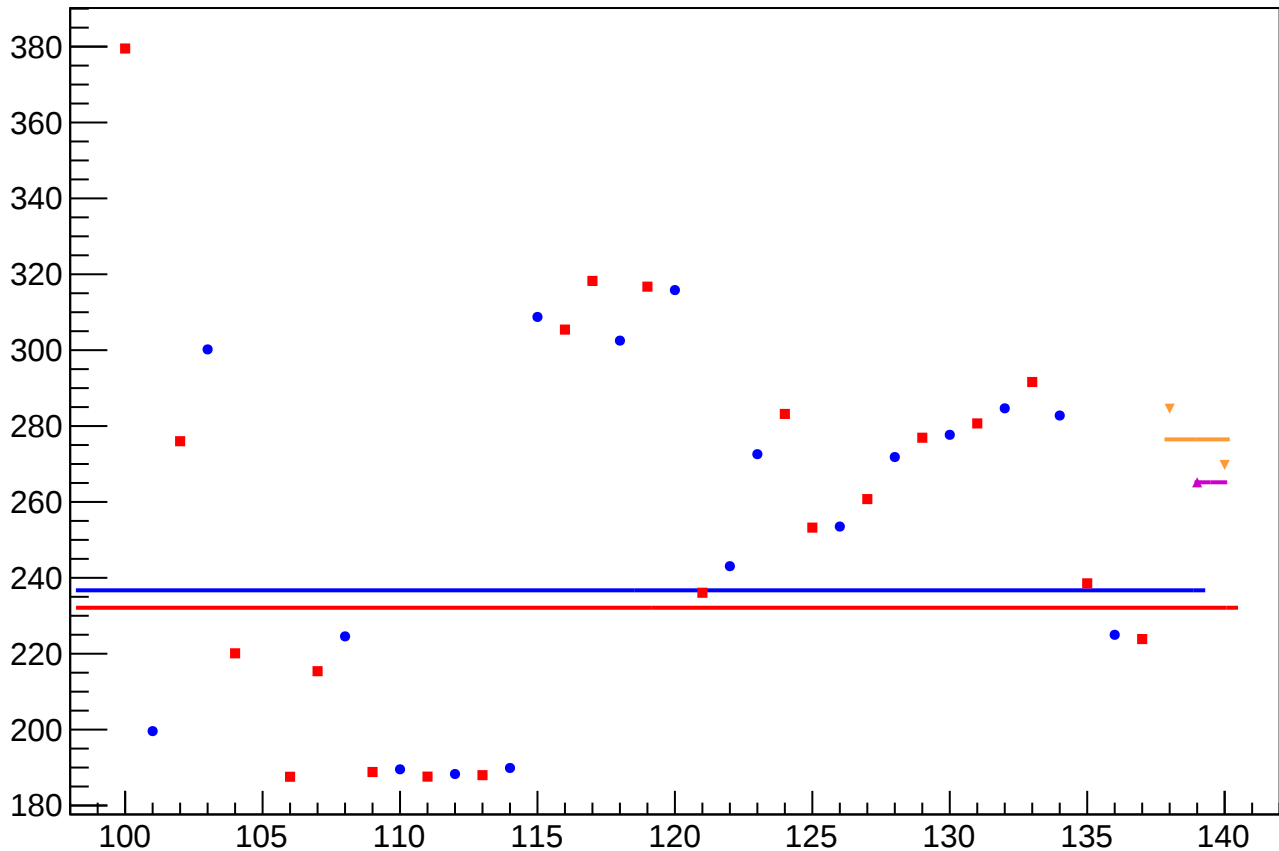
Right Out: -231.209 ± 88.787 χ^2/NDF : 11.6/19

Left In: 135.597 ± 311.998 χ^2/NDF : 0.0/0

89.983 ± 86.155 χ^2/NDF : 22.8/18

-203.729 ± 85.397 χ^2/NDF : 12.9/20

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 276.481+/-0.159 χ^2/NDF : 2157.2/1

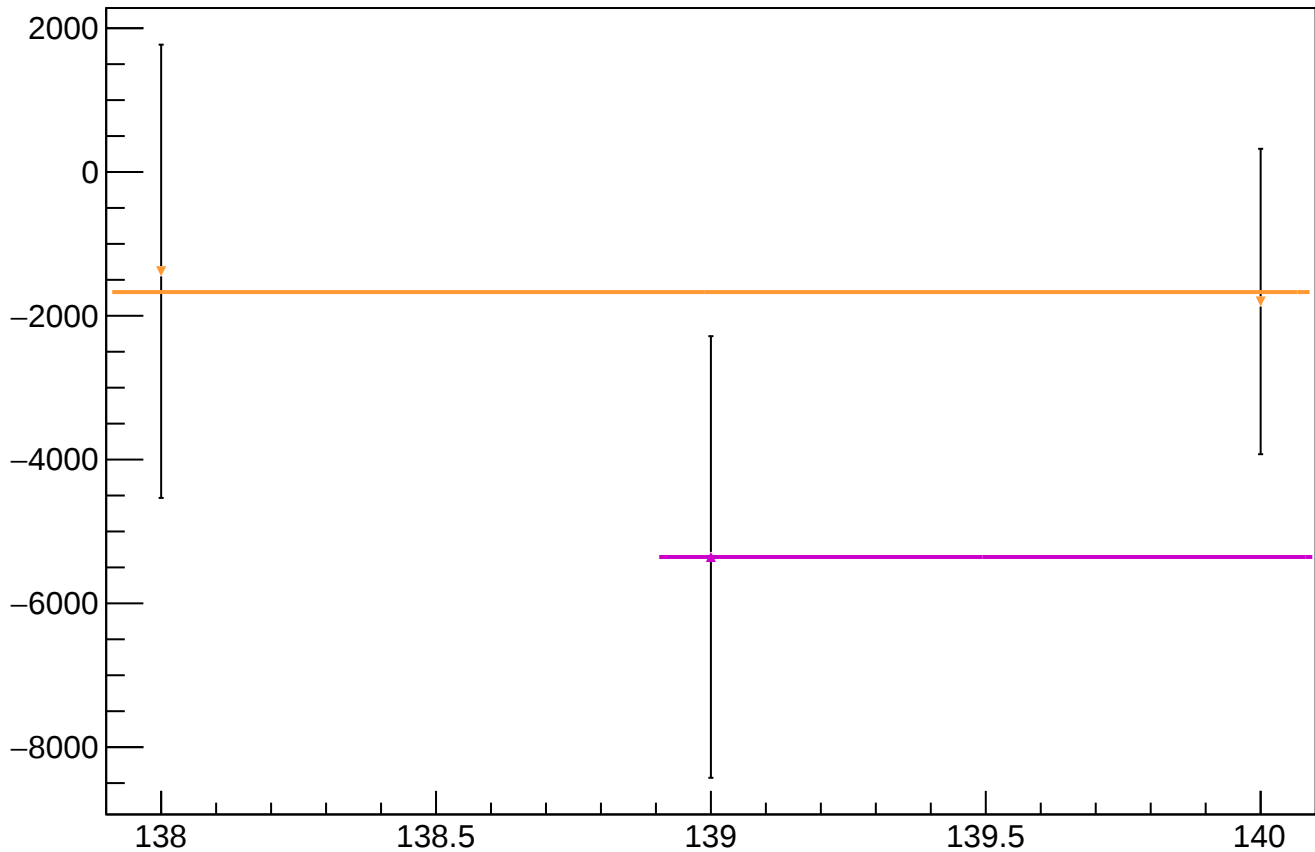
Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

Left In: 265.176+/-0.221 χ^2/NDF : 0.0/0

242.554+/-0.061 χ^2/NDF : 445955.1/18

234.596+/-0.060 χ^2/NDF : 470403.3/20

asym_sam4_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1670.124+/-1761.348 χ^2/NDF : 0.0/1

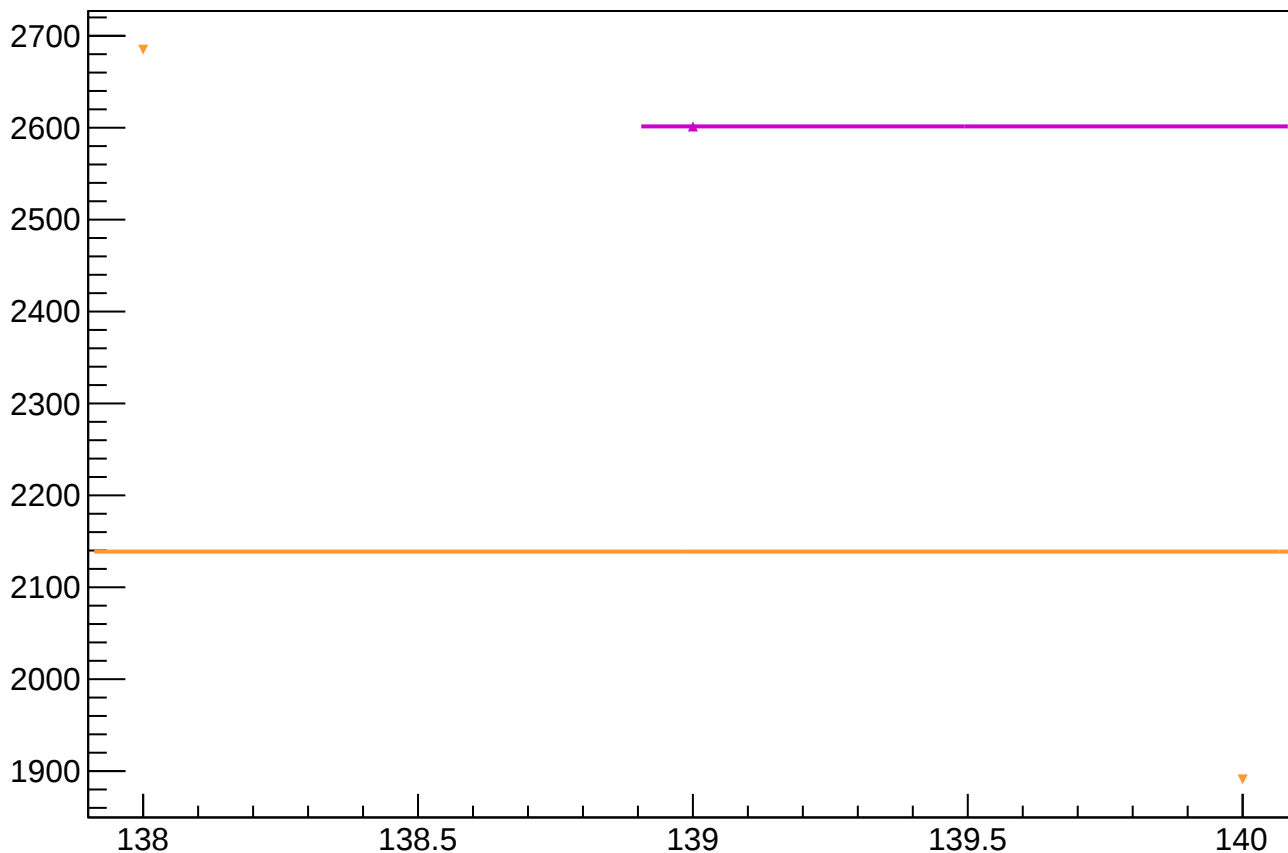
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5354.962+/-3071.386 χ^2/NDF : 0.0/0

-1670.124+/-1761.348 χ^2/NDF : 0.0/1

-5354.962+/-3071.386 χ^2/NDF : 0.0/0

asym_sam4_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 2138.820+/-1.245 χ^2 /NDF: 87257.1/1

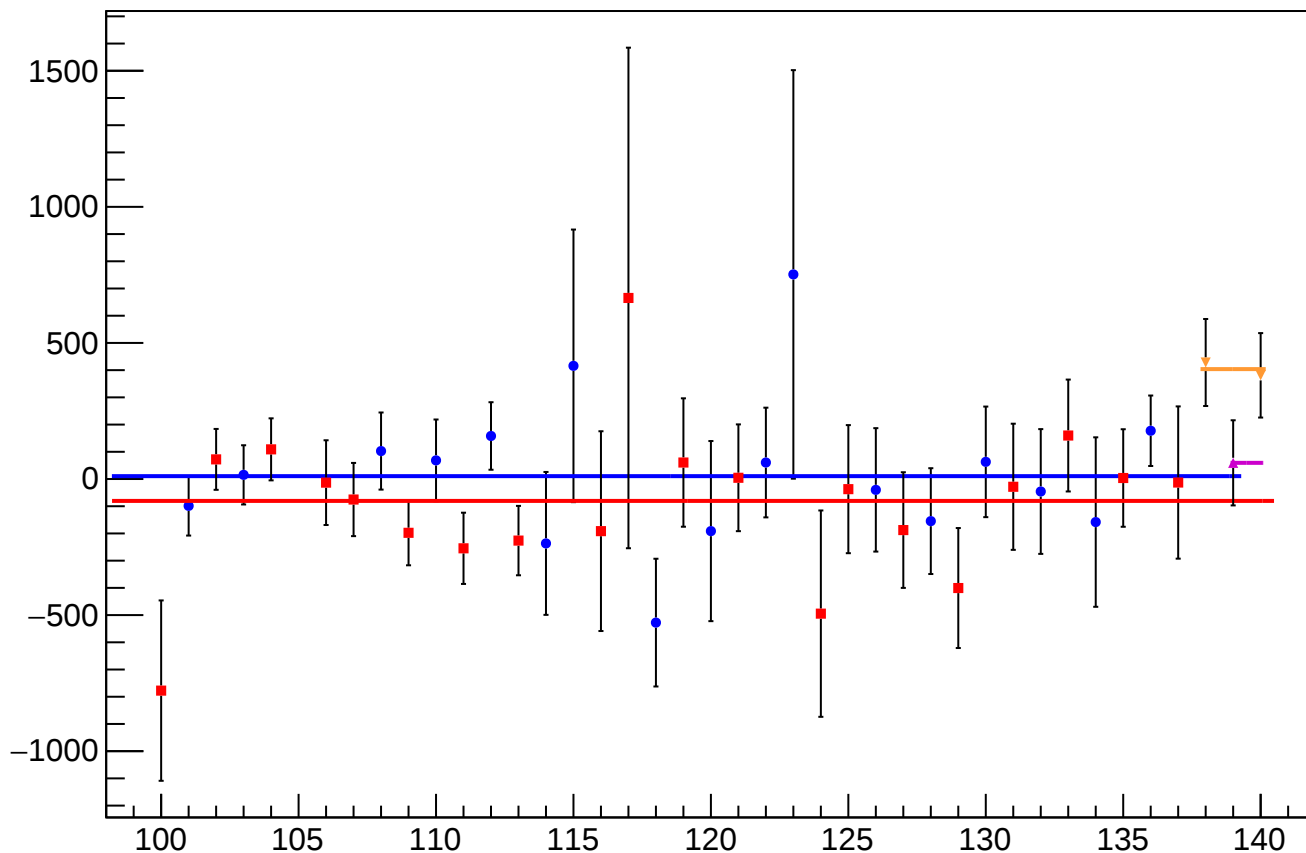
2138.820+/-1.245 χ^2 /NDF: 87257.1/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

2601.439+/-2.172 χ^2 /NDF: 0.0/0

Left In: 2601.439+/-2.172 χ^2 /NDF: 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 403.827+/-111.336 χ^2/NDF : 0.0/1

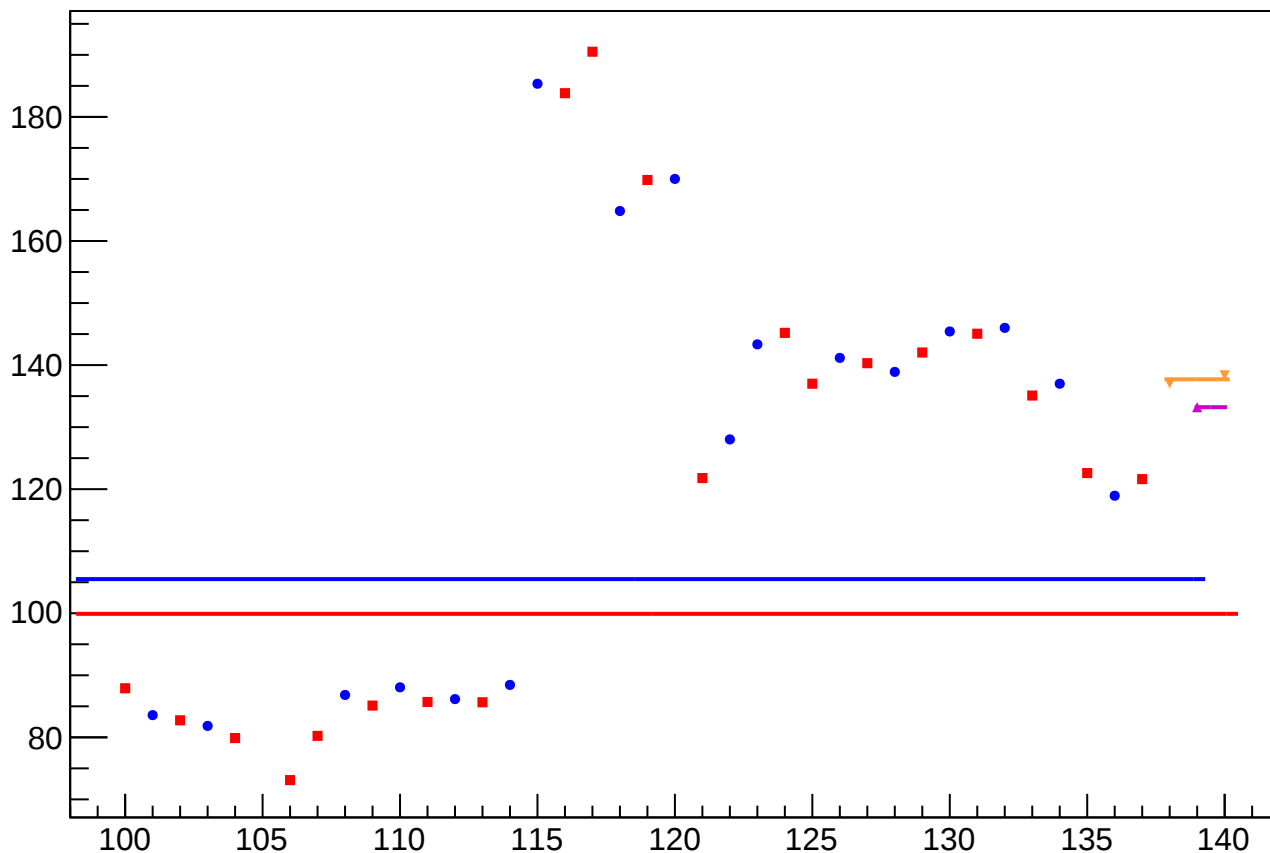
Right Out: -80.462+/-38.950 χ^2/NDF : 19.9/19

Left In: 59.415+/-156.418 χ^2/NDF : 0.0/0

60.129+/-39.538 χ^2/NDF : 25.0/18

-72.295+/-37.796 χ^2/NDF : 20.6/20

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 137.709+/-0.079 χ^2/NDF : 70.5/1

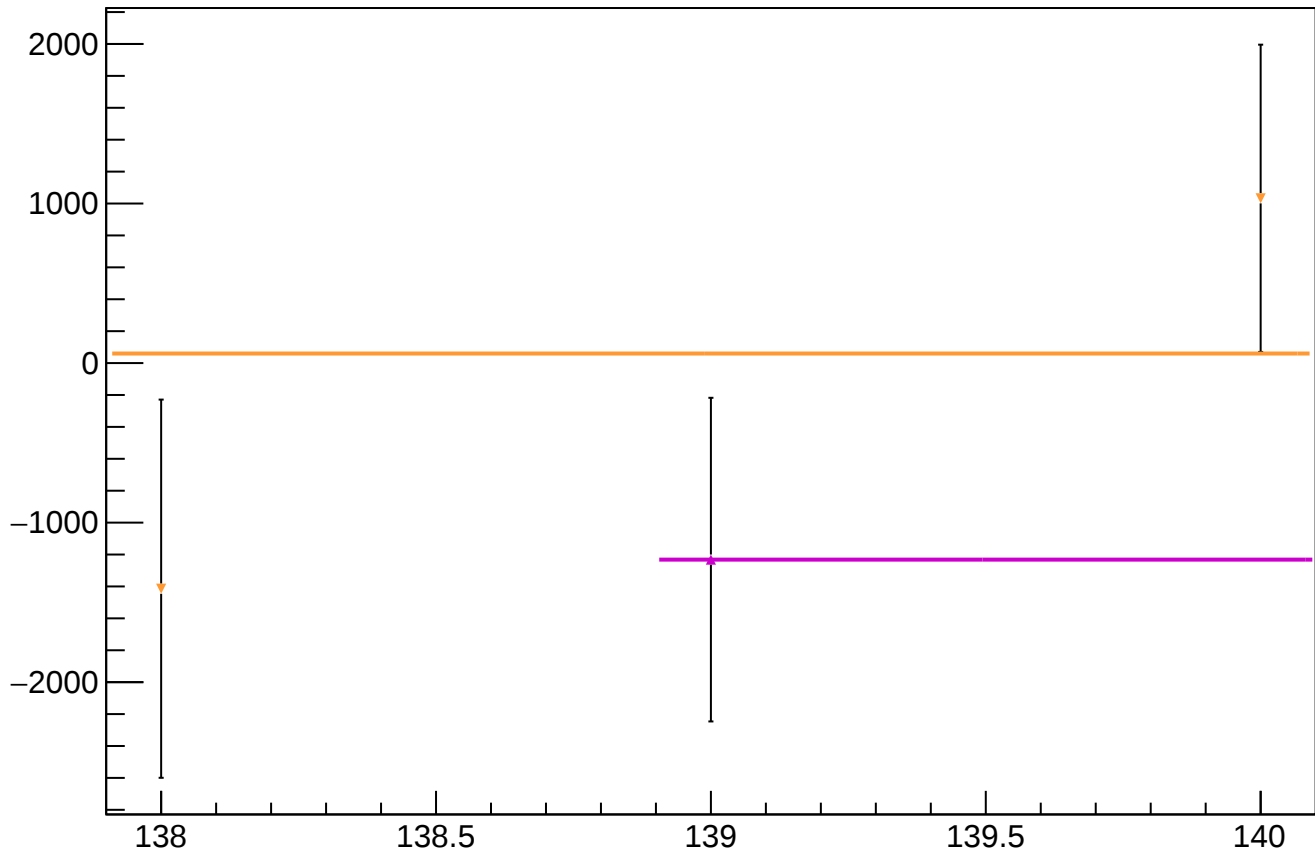
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 133.215+/-0.111 χ^2/NDF : 0.0/0

109.564+/-0.028 χ^2/NDF : 1015344.7/18

101.852+/-0.027 χ^2/NDF : 1104940.8/20

asym_sam5_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 59.854+/-747.356 χ^2/NDF : 2.6/1

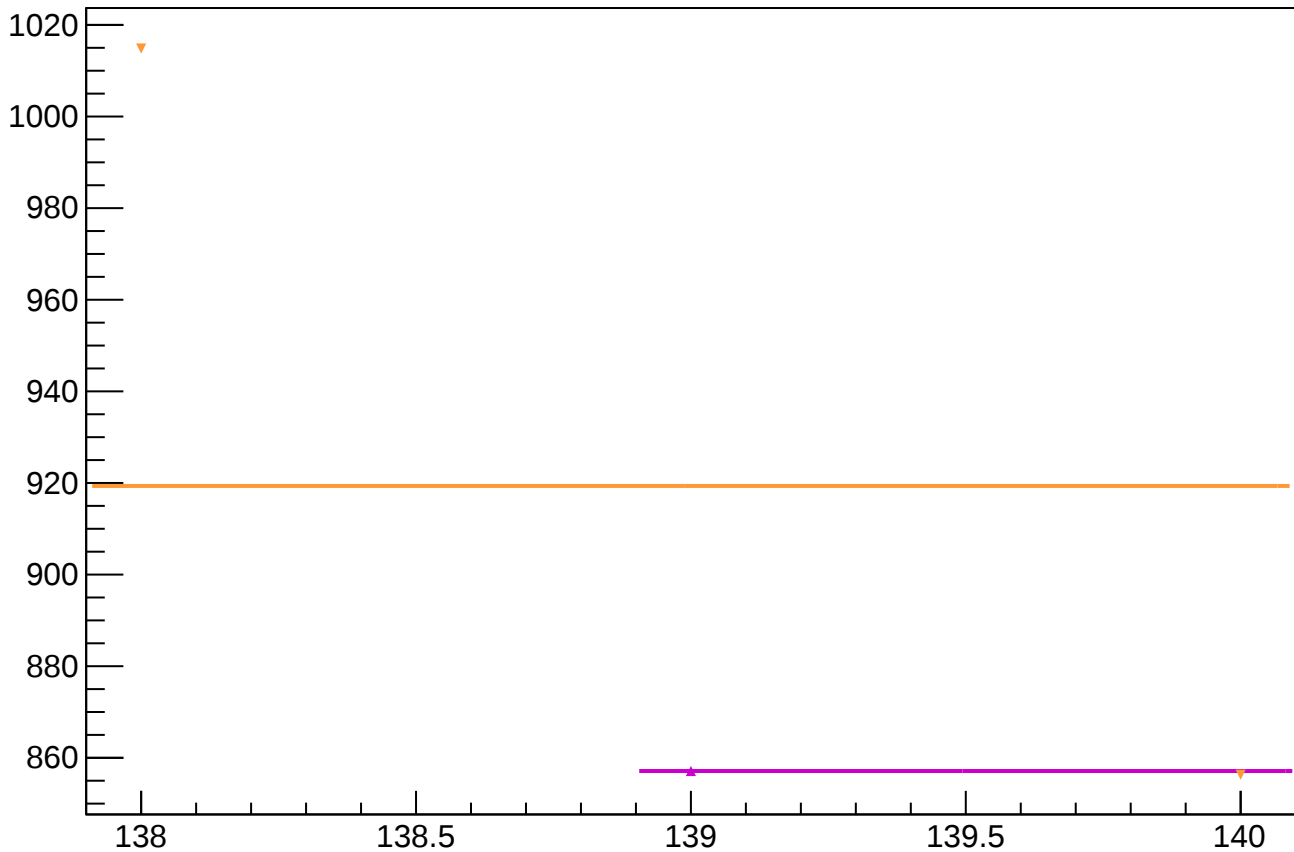
59.854+/-747.356 χ^2/NDF : 2.6/1

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1231.908+/-1014.231 χ^2/NDF : 0.0/0

Left In: -1231.908+/-1014.231 χ^2/NDF : 0.0/0

asym_sam5_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 919.350+/-0.528 χ^2/NDF : 21554.7/1

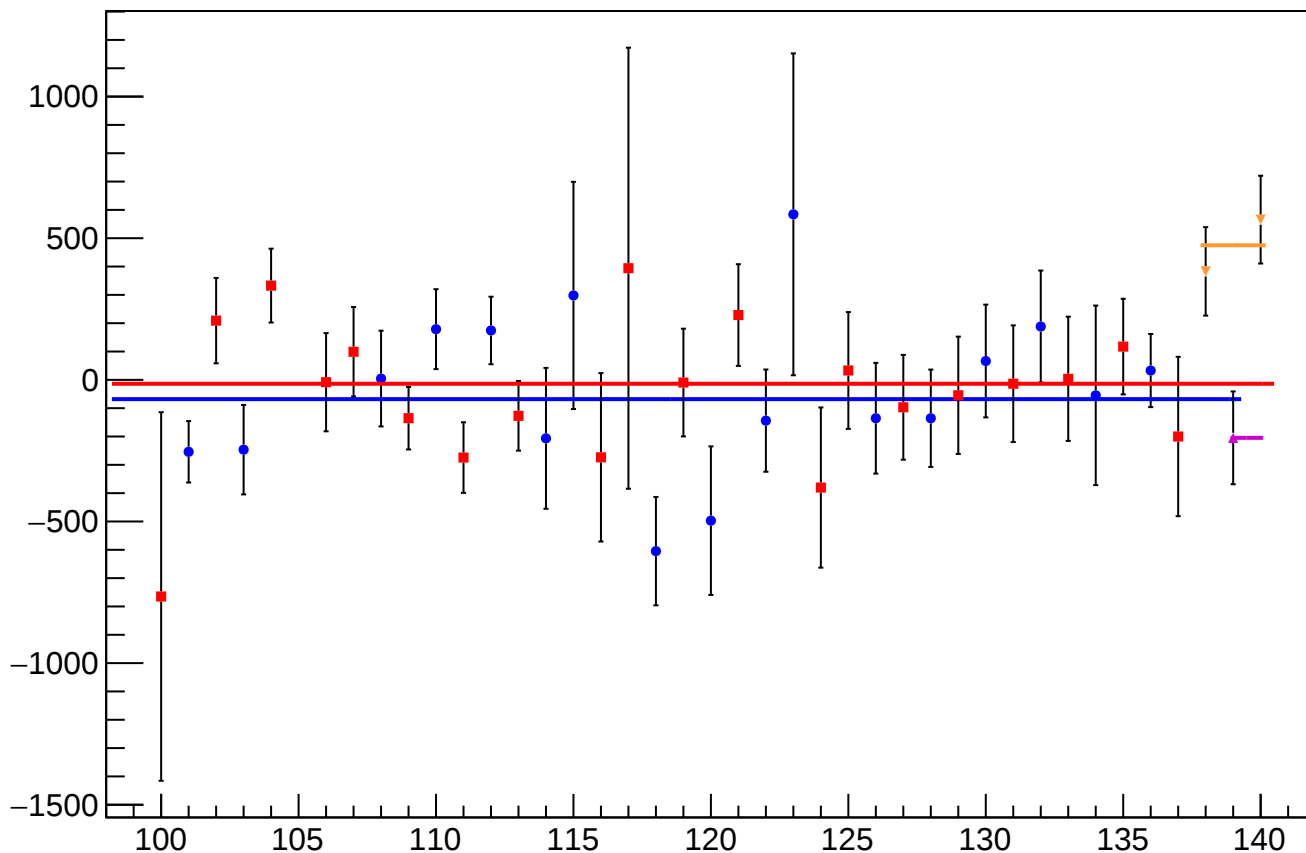
919.350+/-0.528 χ^2/NDF : 21554.7/1

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

857.119+/-0.717 χ^2/NDF : 0.0/0

Left In: 857.119+/-0.717 χ^2/NDF : 0.0/0

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 475.016 ± 110.000 χ^2/NDF : 0.7/1

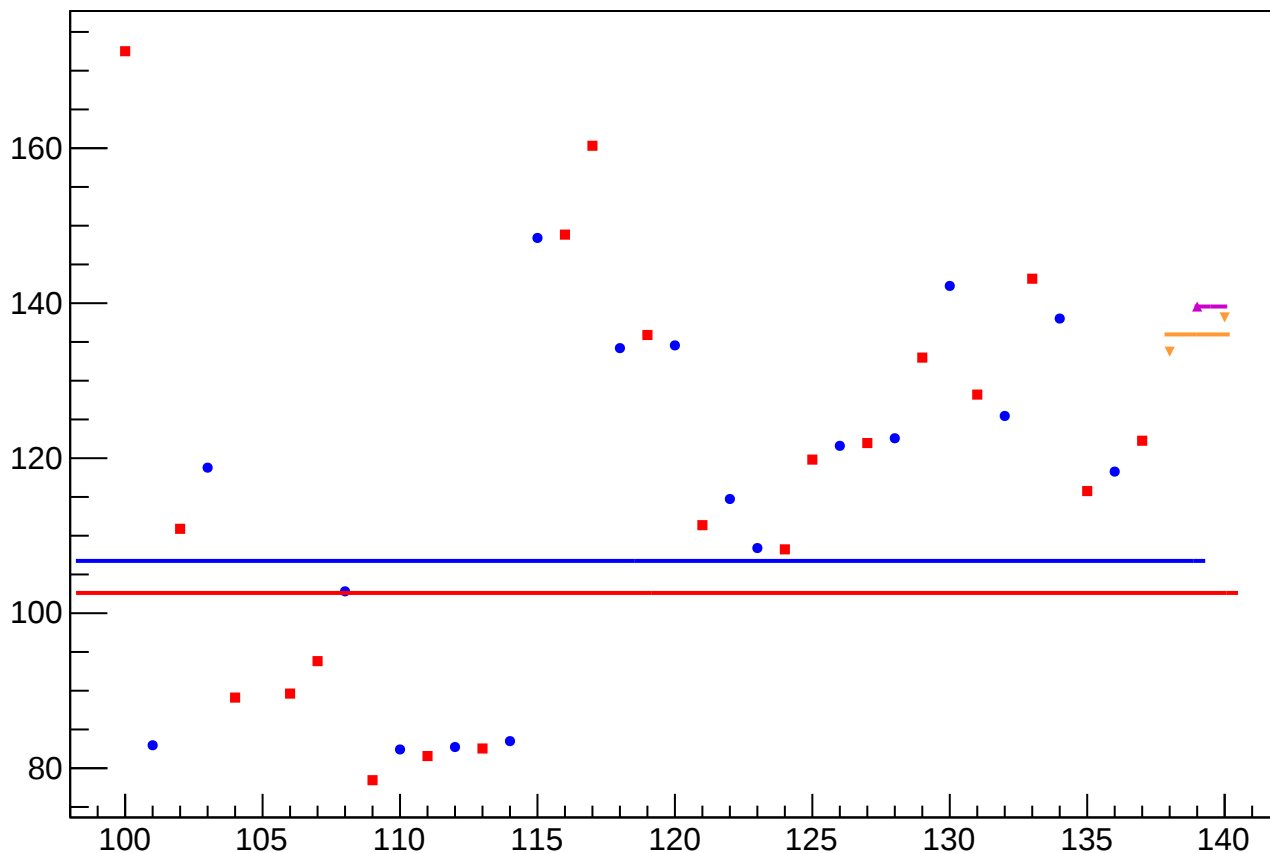
Right Out: -13.752 ± 39.416 χ^2/NDF : 23.4/19

Left In: -204.717 ± 163.817 χ^2/NDF : 0.0/0

1.758 ± 39.453 χ^2/NDF : 49.8/18

-24.202 ± 38.322 χ^2/NDF : 24.7/20

reg_asym_sam6_rms vs Slug



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 135.968+/-0.078 χ^2/NDF : 809.2/1

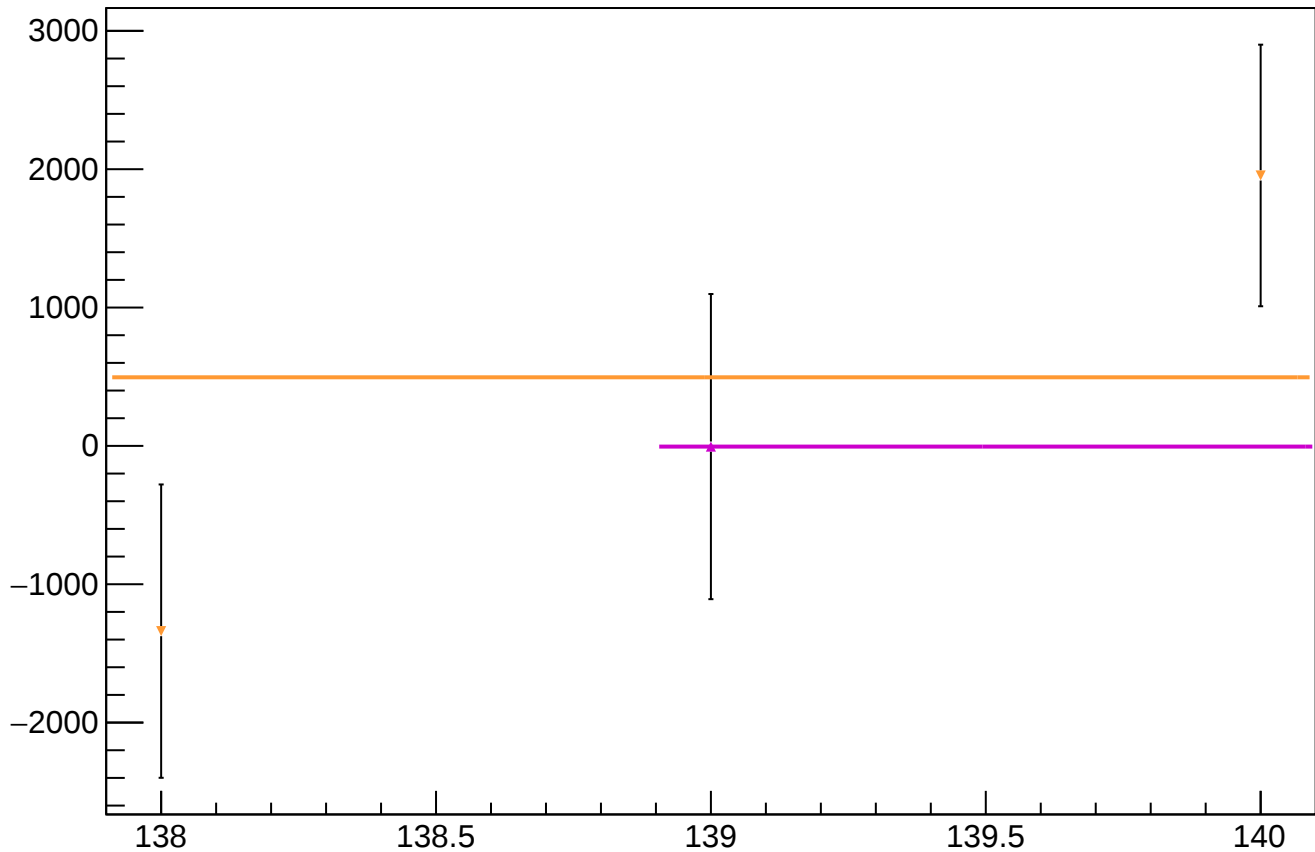
Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

Left In: 139.571+/-0.116 χ^2/NDF : 0.0/0

110.508+/-0.028 χ^2/NDF : 625514.4/18

104.638+/-0.027 χ^2/NDF : 696571.5/20

asym_sam6_correction_mean vs Slug



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

495.805 $\pm$ 705.629 χ^2/NDF : 5.4/1

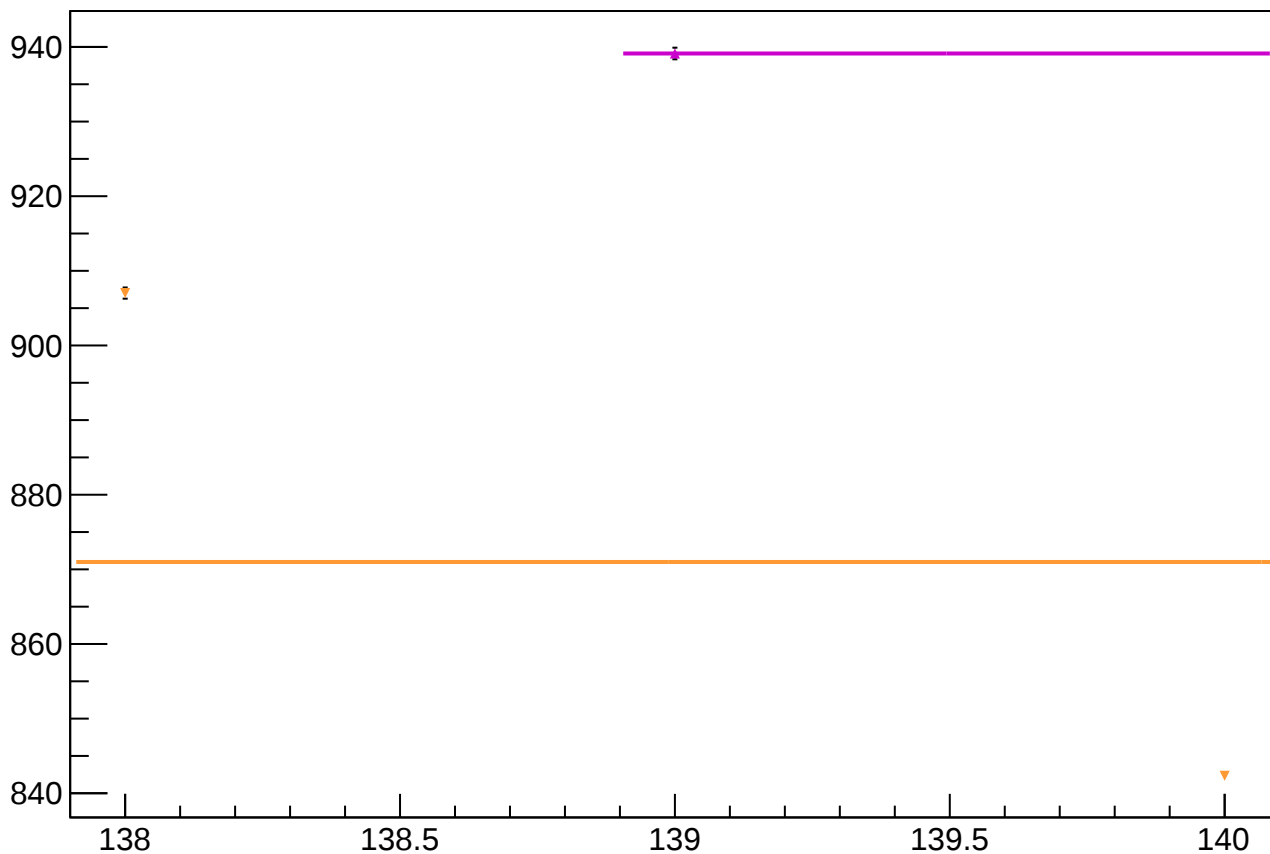
Left Out: 495.805 $\pm$ 705.629 χ^2/NDF : 5.4/1

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

-5.058 $\pm$ 1102.884 χ^2/NDF : 0.0/0

Left In: -5.058 $\pm$ 1102.884 χ^2/NDF : 0.0/0

asym_sam6_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

870.989+/-0.499 χ^2/NDF : 4146.9/1

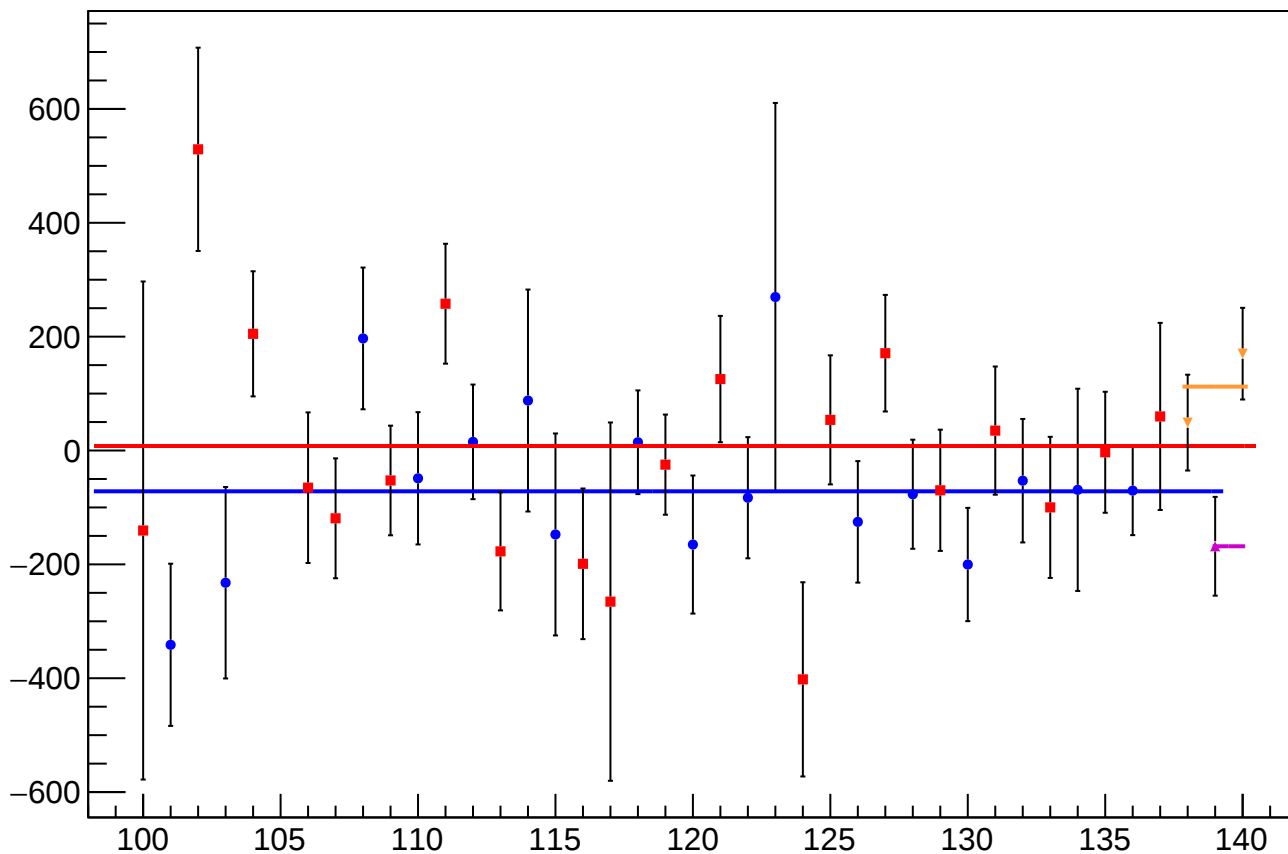
Left Out: 870.989+/-0.499 χ^2/NDF : 4146.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

939.123+/-0.780 χ^2/NDF : 0.0/0

Left In: 939.123+/-0.780 χ^2/NDF : 0.0/0

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 112.249 ± 58.187 $\chi^2/\text{NDF}: 1.1/1$

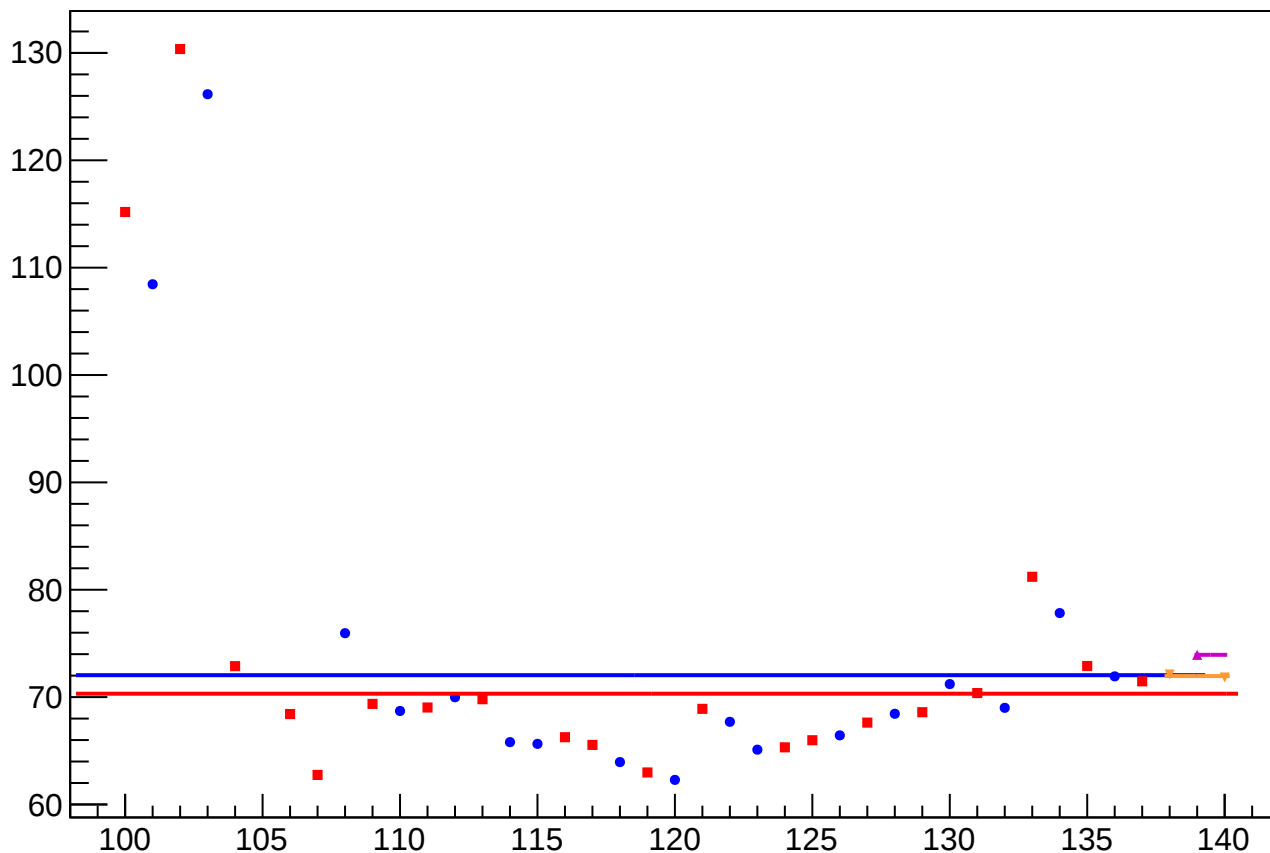
Right Out: 7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

Left In: -168.215 ± 86.782 $\chi^2/\text{NDF}: 0.0/0$

-36.369 ± 25.492 $\chi^2/\text{NDF}: 24.4/18$

-7.320 ± 25.536 $\chi^2/\text{NDF}: 41.0/20$

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 71.960 $\pm$ 0.041 χ^2 /NDF:11.4/1

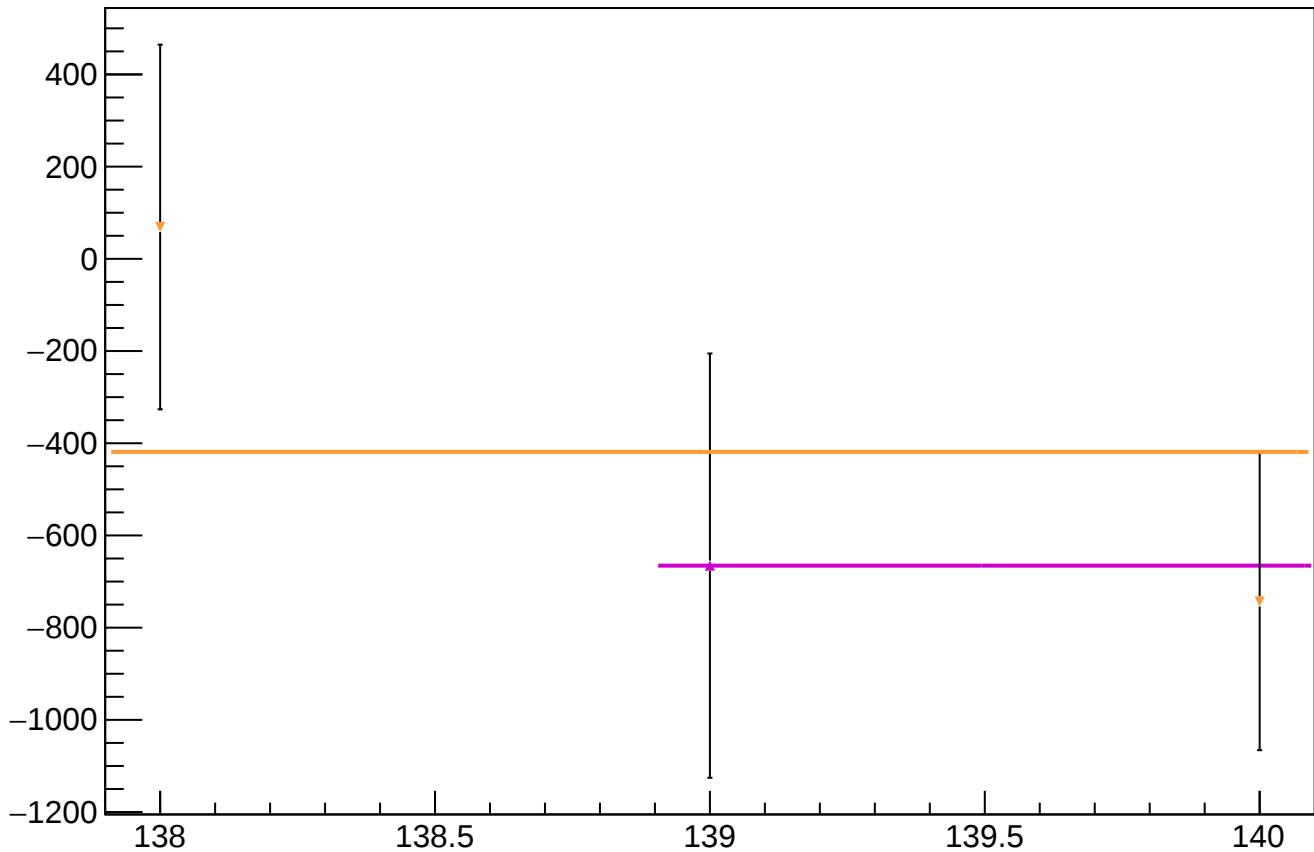
Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

Left In: 73.938 $\pm$ 0.061 χ^2 /NDF:0.0/0

72.027 $\pm$ 0.018 χ^2 /NDF: 391986.4/18

70.630 $\pm$ 0.018 χ^2 /NDF: 302649.7/20

asym_sam7_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -418.732+/-249.975 χ^2/NDF : 2.5/1

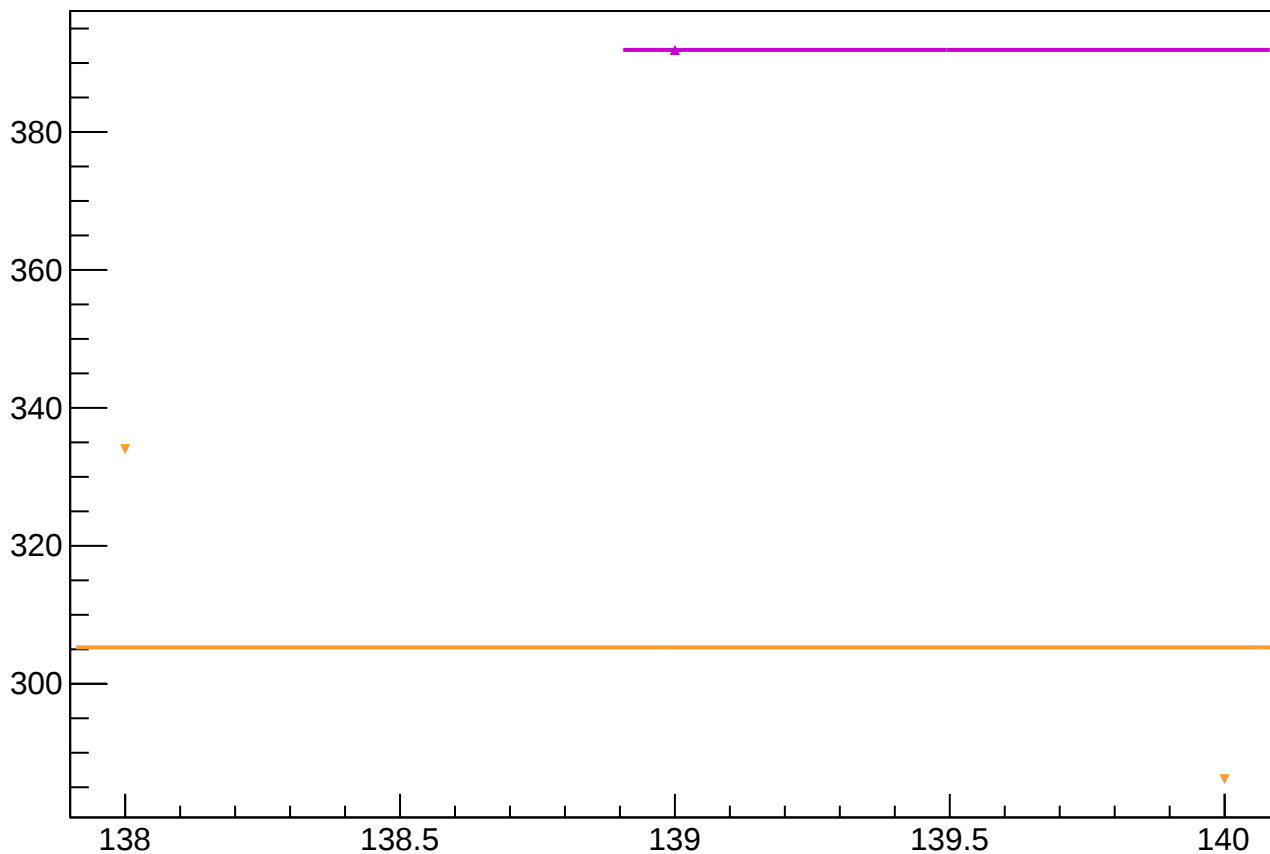
-418.732+/-249.975 χ^2/NDF : 2.5/1

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-665.471+/-460.192 χ^2/NDF : 0.0/0

Left In: -665.471+/-460.192 χ^2/NDF : 0.0/0

asym_sam7_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

305.279+/-0.177 χ^2/NDF : 17580.9/1

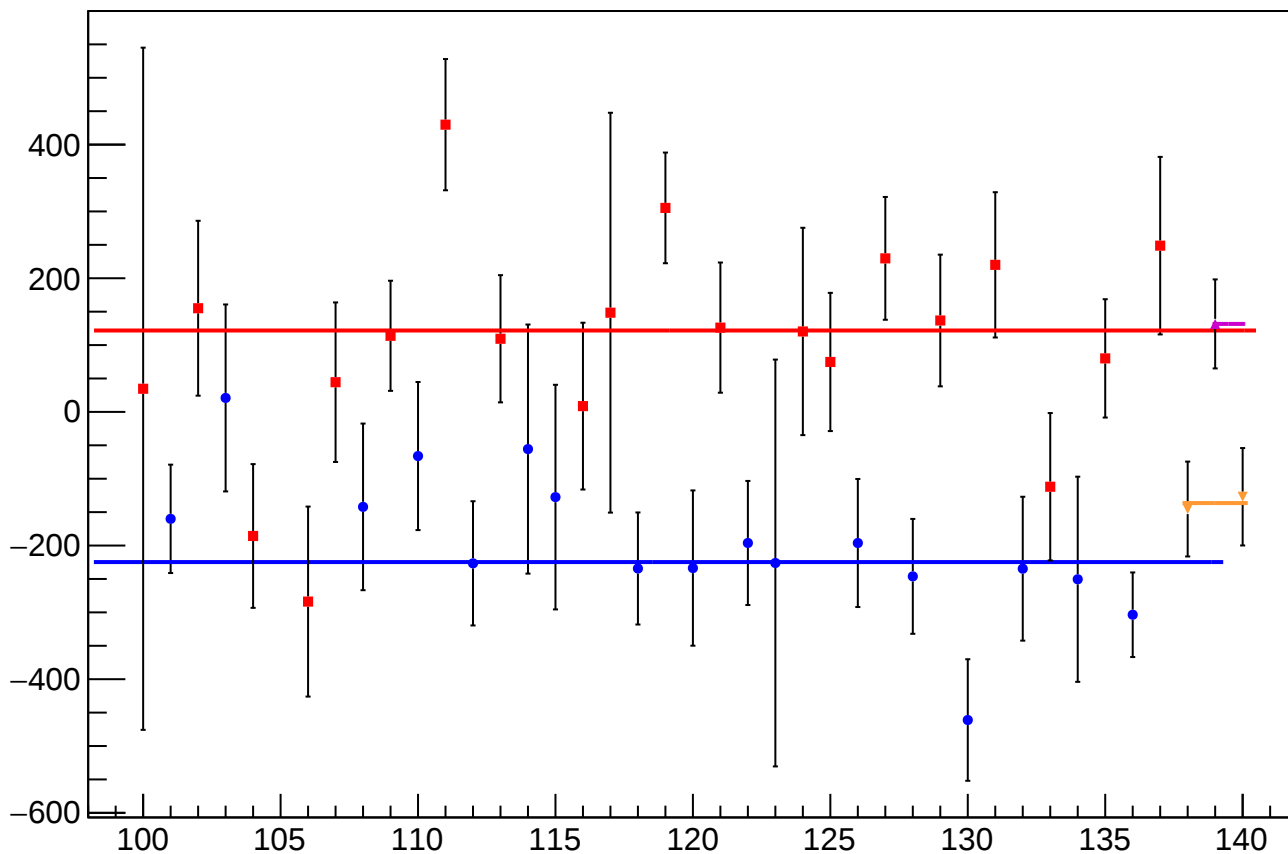
Left Out: 305.279+/-0.177 χ^2/NDF : 17580.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

391.899+/-0.325 χ^2/NDF : 0.0/0

Left In: 391.899+/-0.325 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -136.412 ± 50.857 χ^2/NDF : 0.0/1

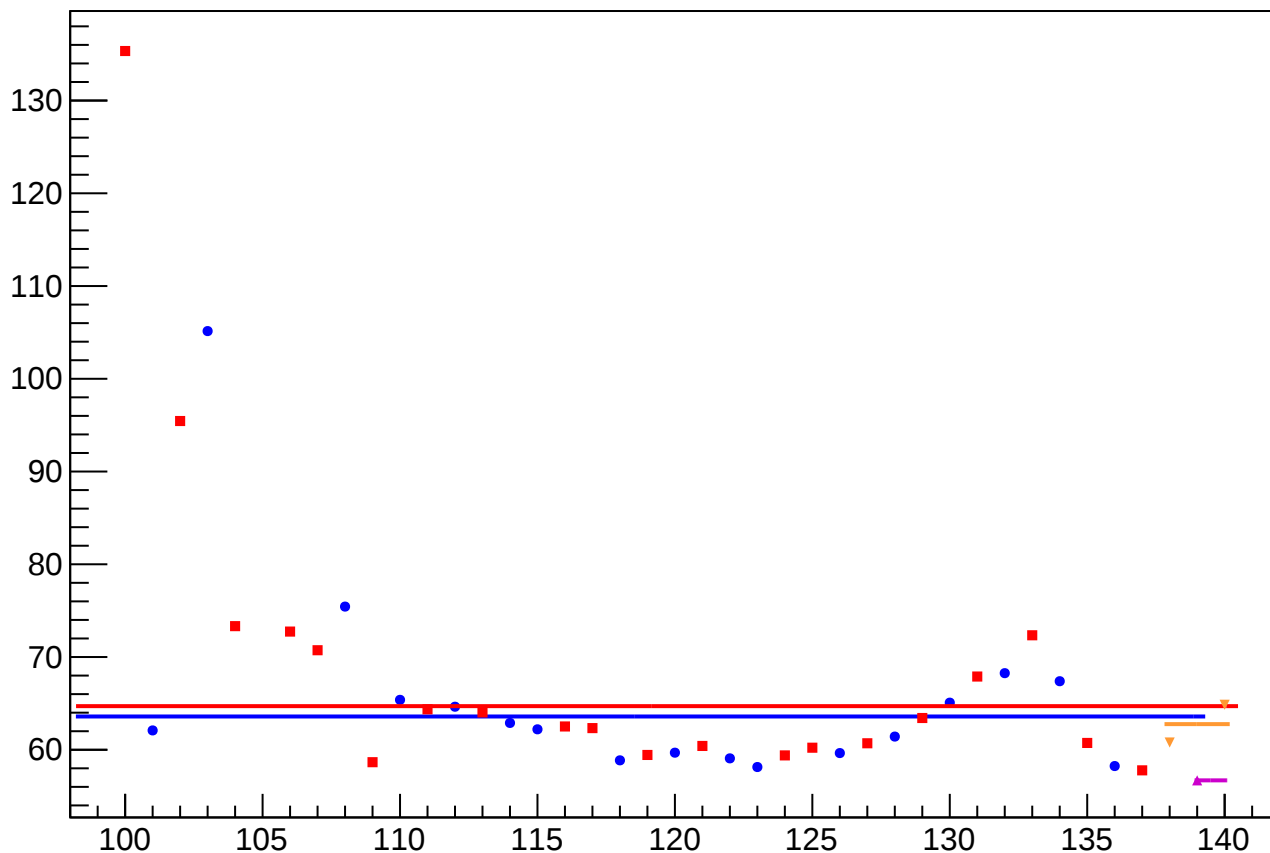
Right Out: 121.814 ± 24.516 χ^2/NDF : 40.5/19

Left In: 131.674 ± 66.612 χ^2/NDF : 0.0/0

-207.672 ± 22.349 χ^2/NDF : 18.4/18

122.990 ± 23.008 χ^2/NDF : 40.5/20

reg_asym_sam8_rms vs Slug



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 62.766 $\pm$ 0.036 χ^2 /NDF: 3199.6/1

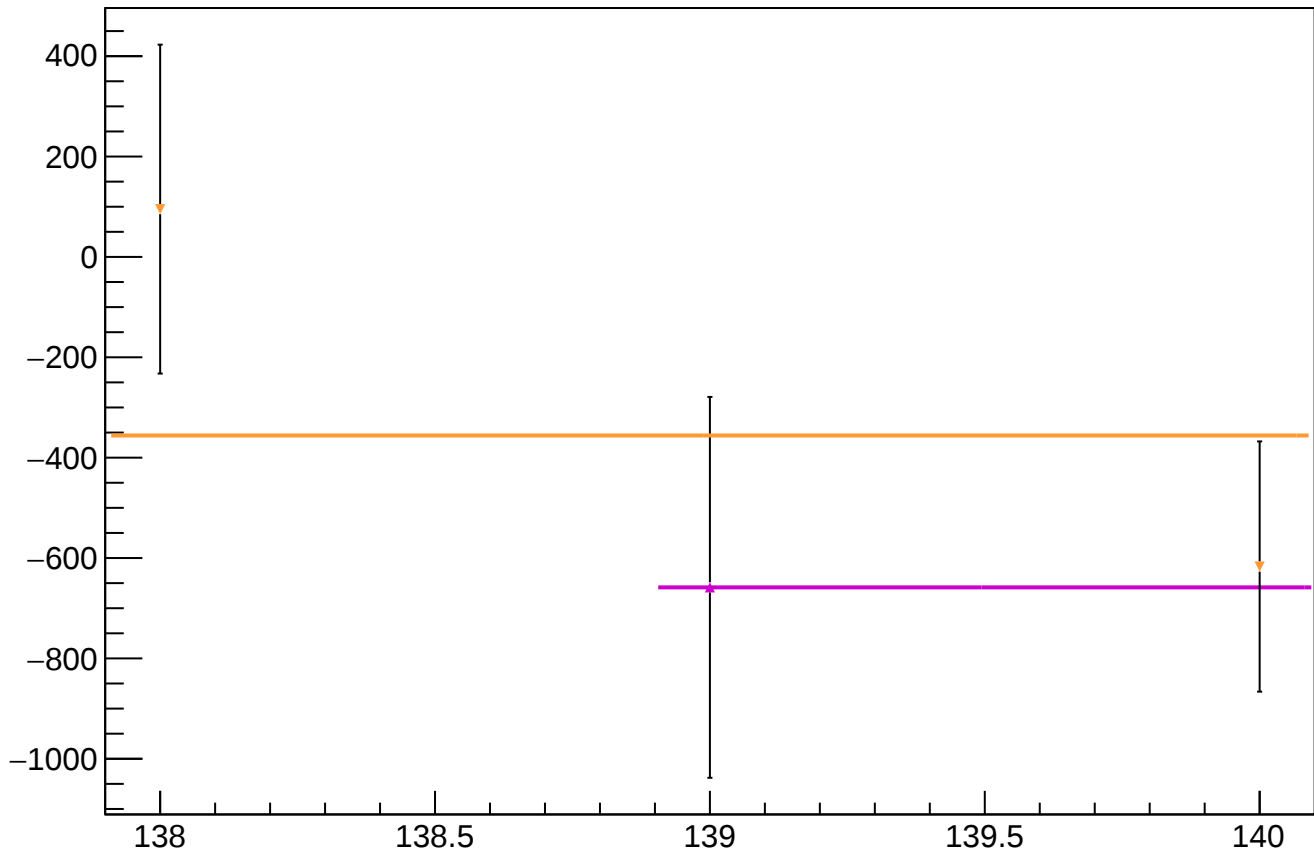
Right Out: 64.704 $\pm$ 0.017 χ^2 /NDF: 227632.6/19

Left In: 56.702 $\pm$ 0.047 χ^2 /NDF: 0.0/0

63.430 $\pm$ 0.016 χ^2 /NDF: 238223.5/18

63.749 $\pm$ 0.016 χ^2 /NDF: 253052.0/20

asym_sam8_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: -355.796+/-198.418 χ^2 /NDF: 3.0/1

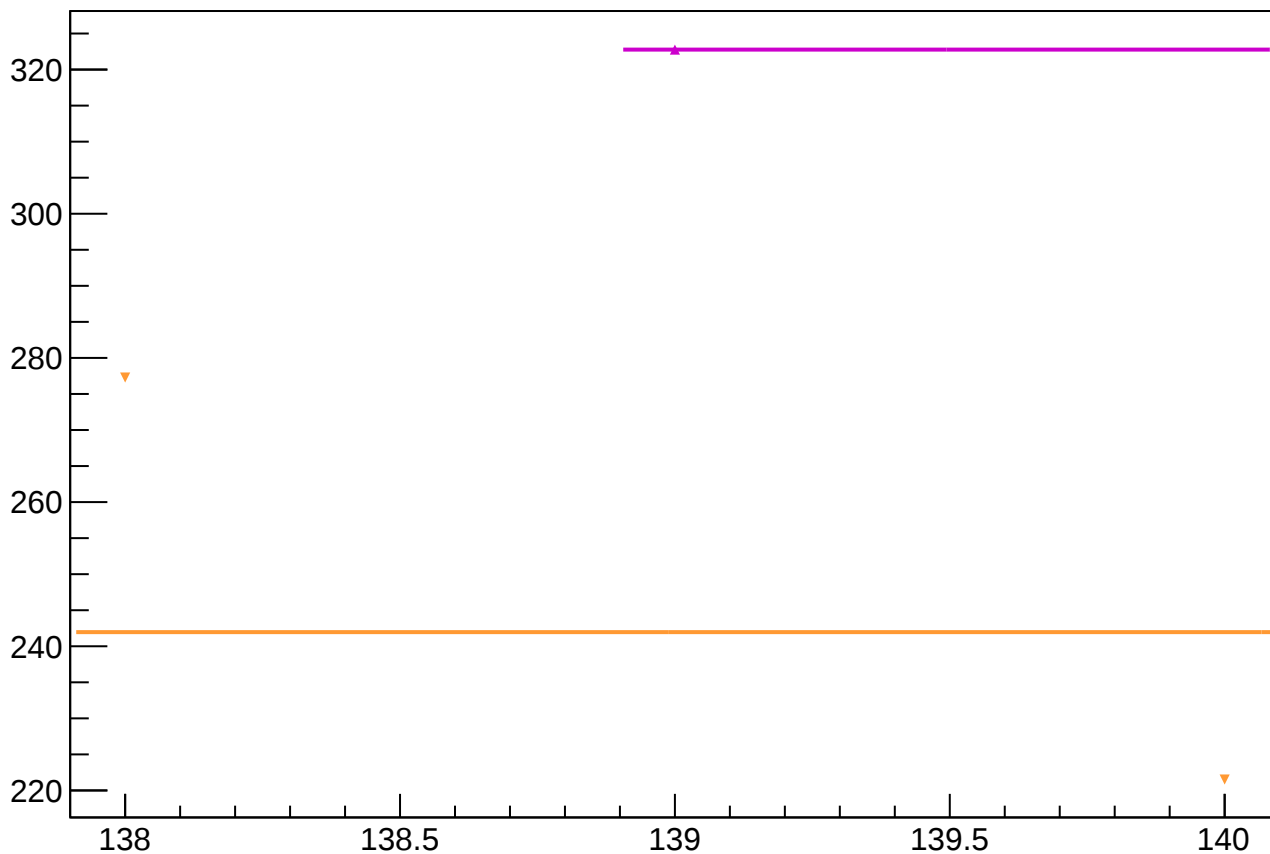
-355.796+/-198.418 χ^2 /NDF: 3.0/1

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

-658.464+/-379.437 χ^2 /NDF: 0.0/0

Left In: -658.464+/-379.437 χ^2 /NDF: 0.0/0

asym_sam8_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

241.962+/-0.140 χ^2/NDF : 36683.9/1

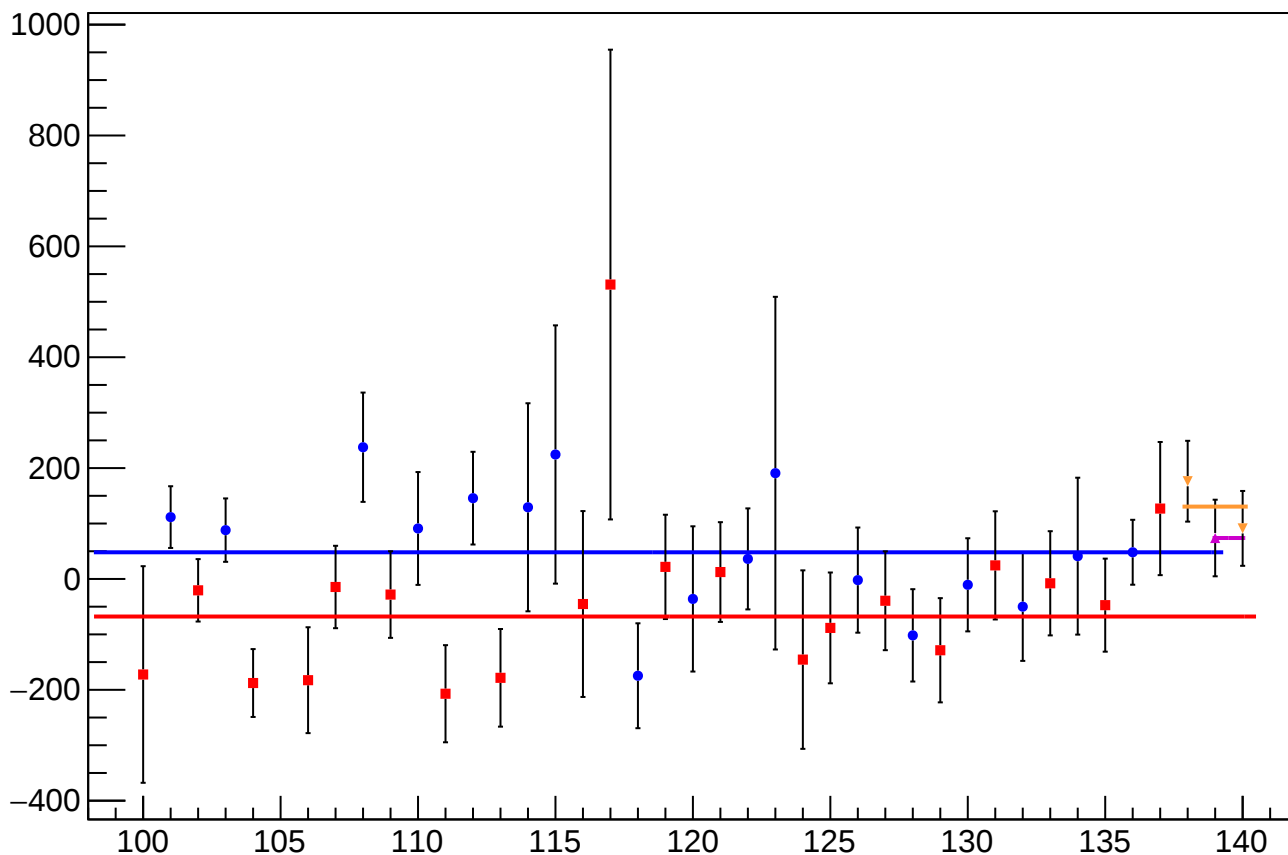
Left Out: 241.962+/-0.140 χ^2/NDF : 36683.9/1

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

322.769+/-0.268 χ^2/NDF : 0.0/0

Left In: 322.769+/-0.268 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 130.529+/-49.534 χ^2/NDF : 0.7/1

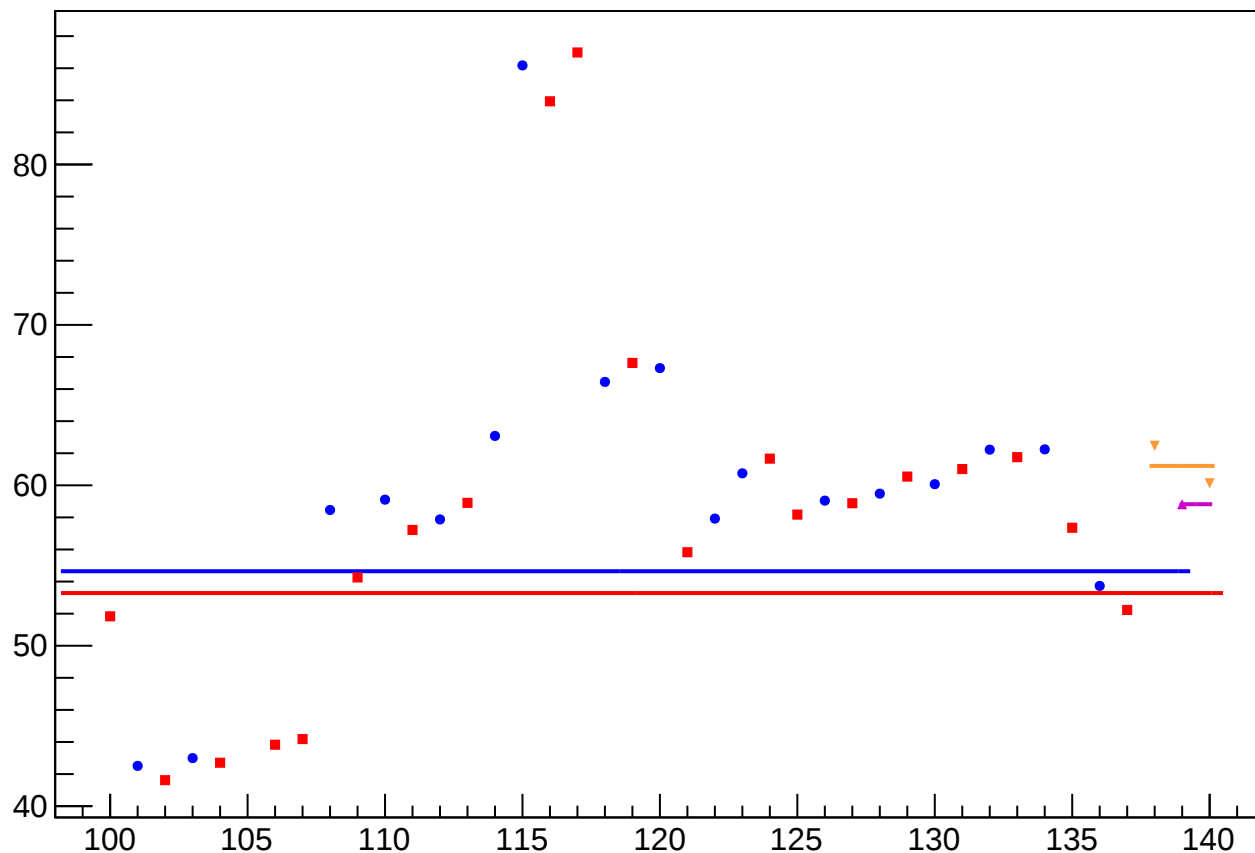
Right Out: -67.767+/-20.383 χ^2/NDF : 19.7/19

Left In: 73.881+/-69.078 χ^2/NDF : 0.0/0

61.185+/-19.730 χ^2/NDF : 22.0/18

-56.421+/-19.550 χ^2/NDF : 23.5/20

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 61.208+/-0.035 χ^2/NDF :1106.6/1

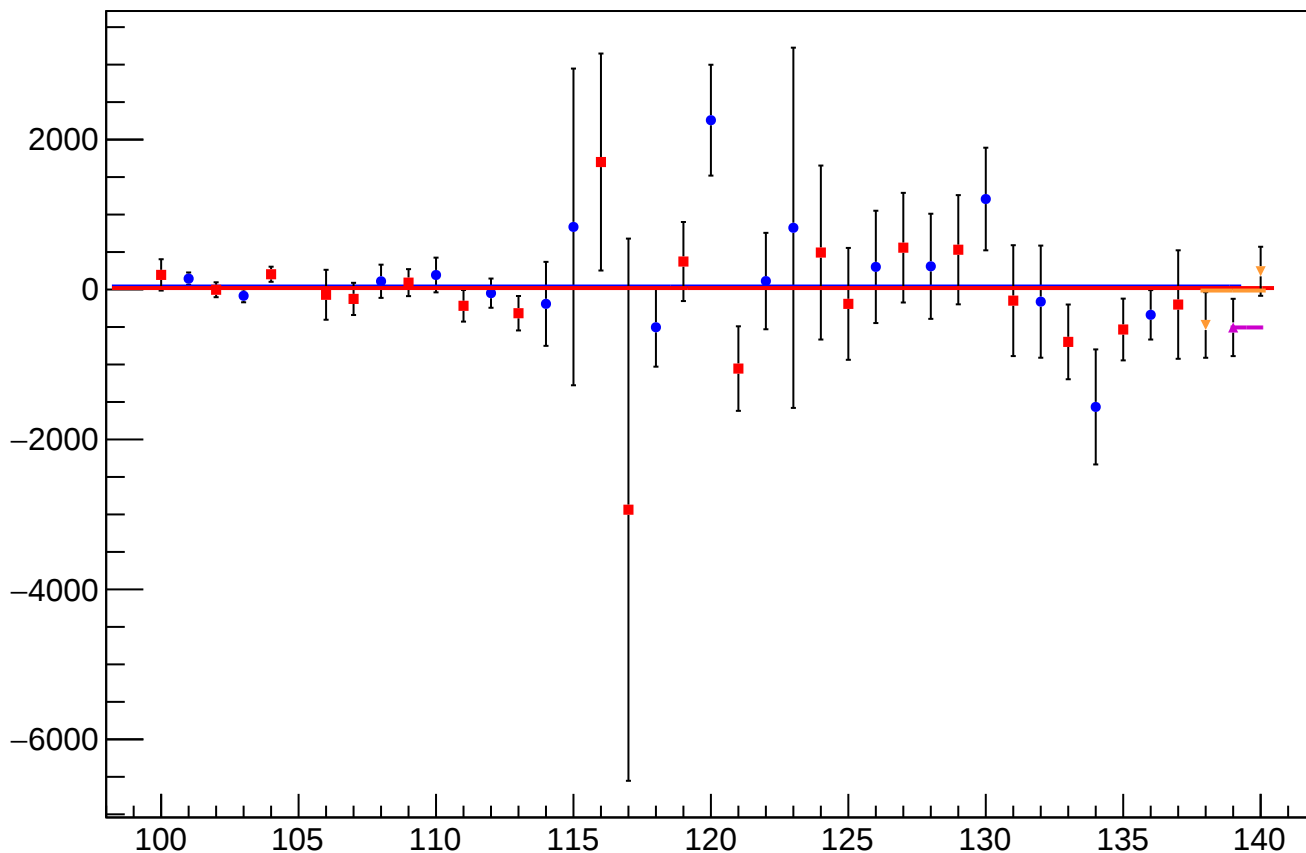
Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

Left In: 58.822+/-0.049 χ^2/NDF :0.0/0

55.686+/-0.014 χ^2/NDF : 349951.9/18

53.729+/-0.014 χ^2/NDF : 410793.3/20

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -13.412+/-261.925 χ^2/NDF : 1.7/1

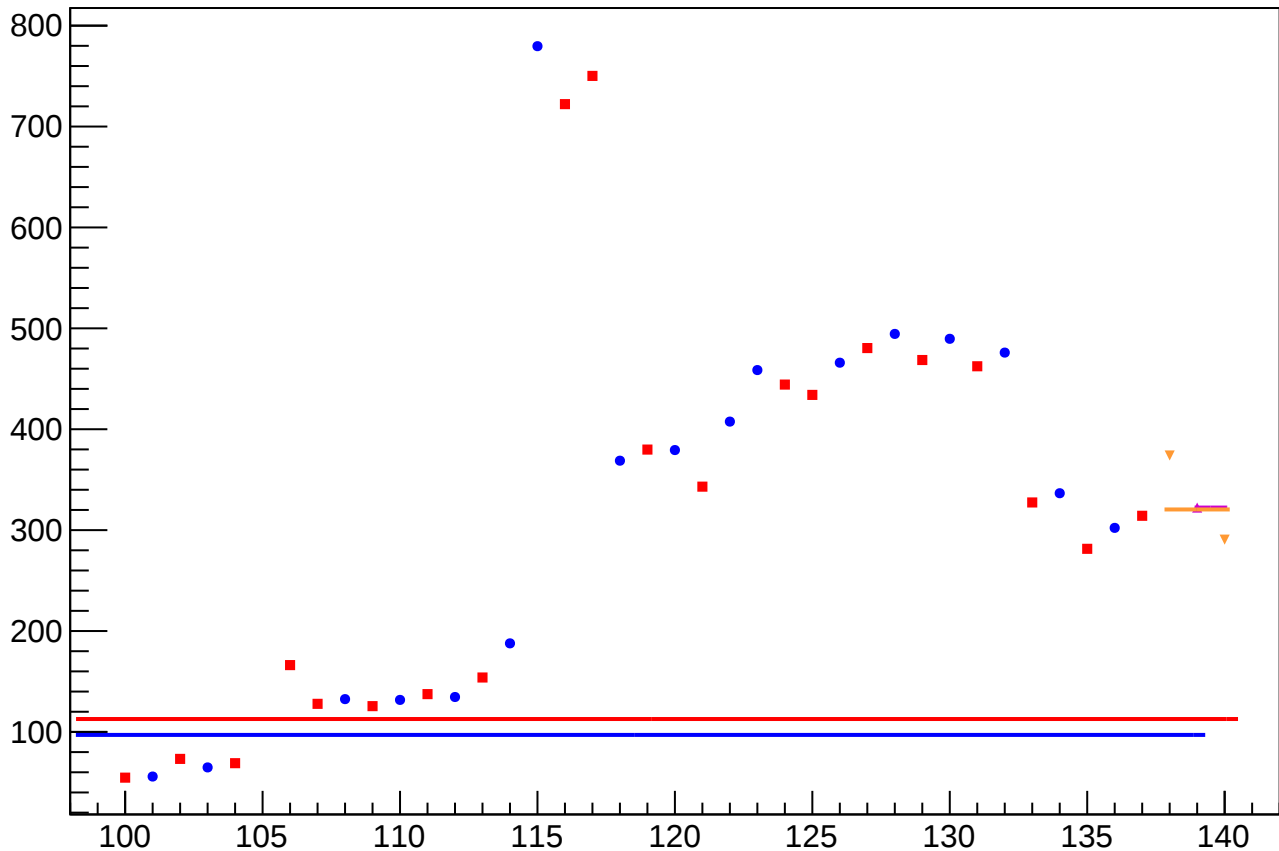
Right Out: 19.590+/-53.268 χ^2/NDF : 19.6/19

Left In: -505.977+/-382.109 χ^2/NDF : 0.0/0

38.208+/-50.572 χ^2/NDF : 25.6/18

9.571+/-52.758 χ^2/NDF : 21.4/20

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 320.485+/-0.185 χ^2/NDF : 46652.2/1

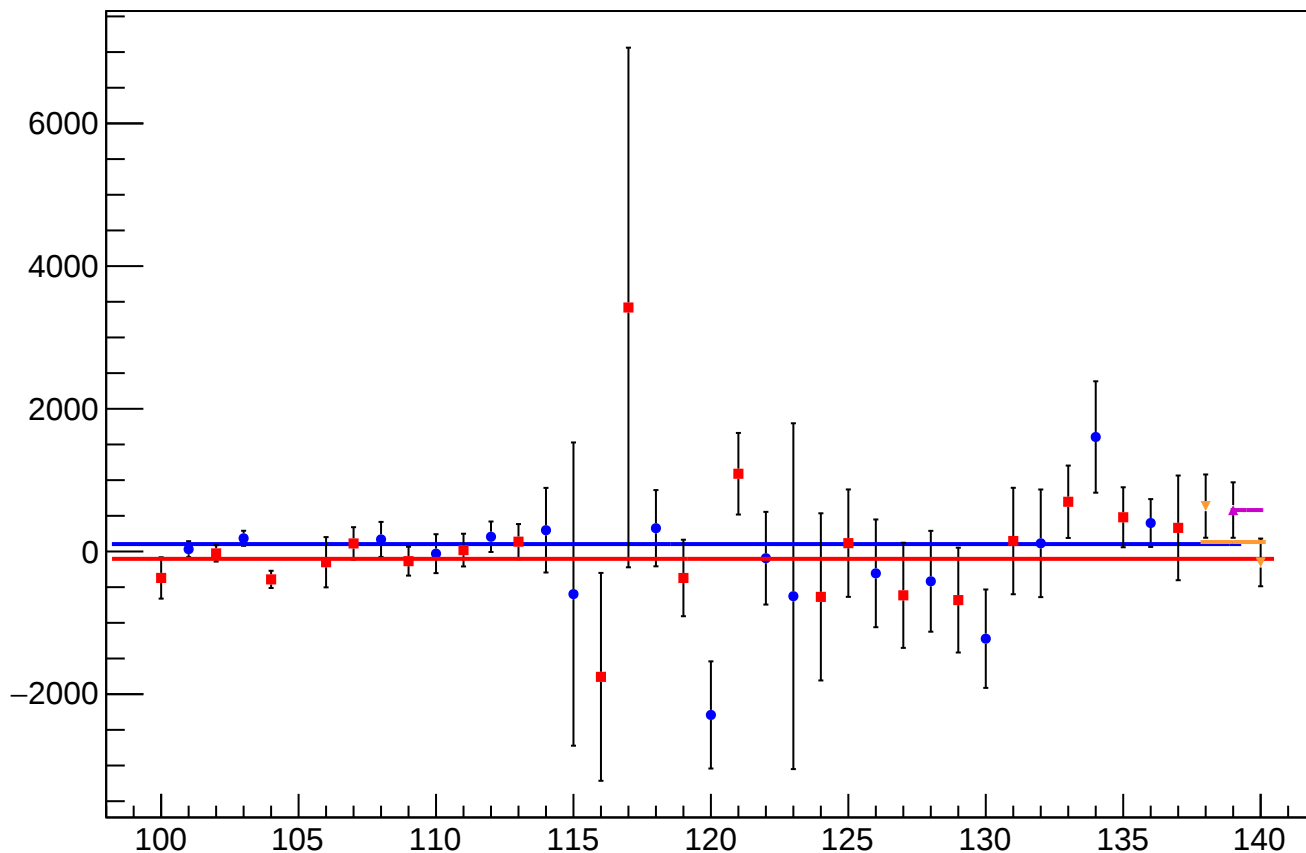
Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

Left In: 322.362+/-0.270 χ^2/NDF : 0.0/0

105.369+/-0.036 χ^2/NDF : 7267623.7/18

116.787+/-0.037 χ^2/NDF : 5688598.3/20

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 132.608 $\pm$ 266.929 χ^2 /NDF: 2.0/1

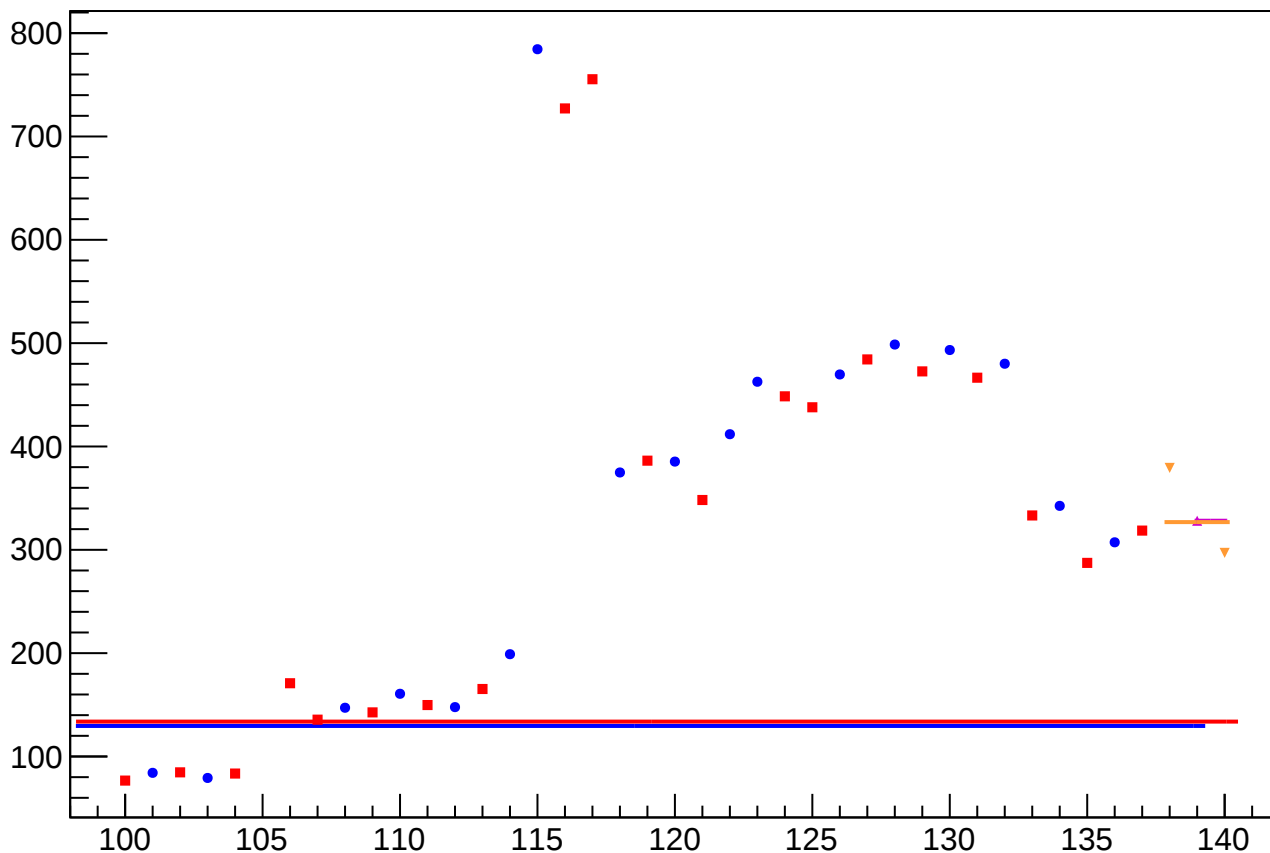
Right Out: -103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

Left In: 580.730 $\pm$ 388.723 χ^2 /NDF: 0.0/0

105.517 $\pm$ 61.459 χ^2 /NDF: 23.3/18

-86.799 $\pm$ 60.116 χ^2 /NDF: 25.3/20

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 326.830+/-0.189 χ^2/NDF : 43851.2/1

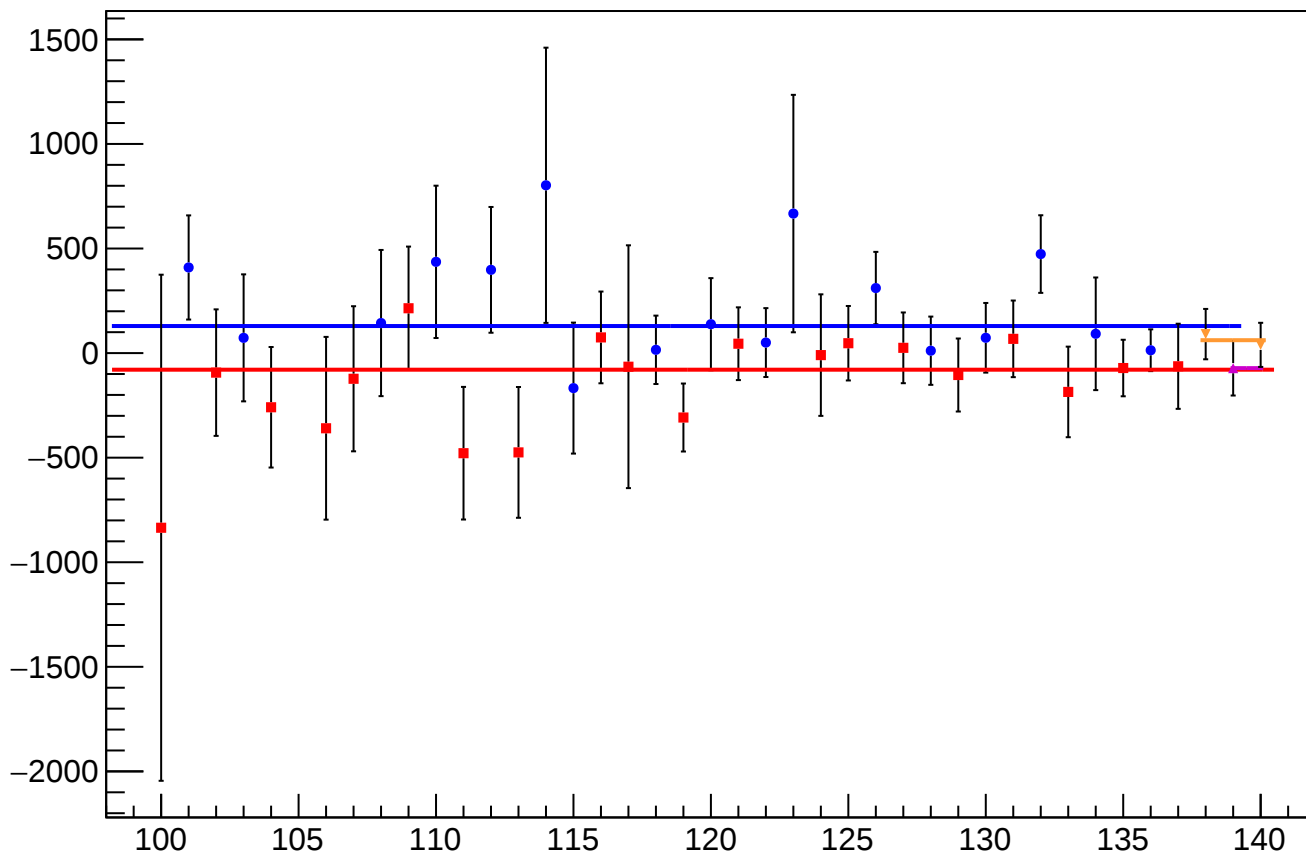
140.010+/-0.043 χ^2/NDF : 5850821.5/18

Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

138.415+/-0.043 χ^2/NDF : 4912686.7/20

Left In: 328.148+/-0.275 χ^2/NDF : 0.0/0

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 61.692 $\pm$ 79.334 χ^2 /NDF:0.1/1

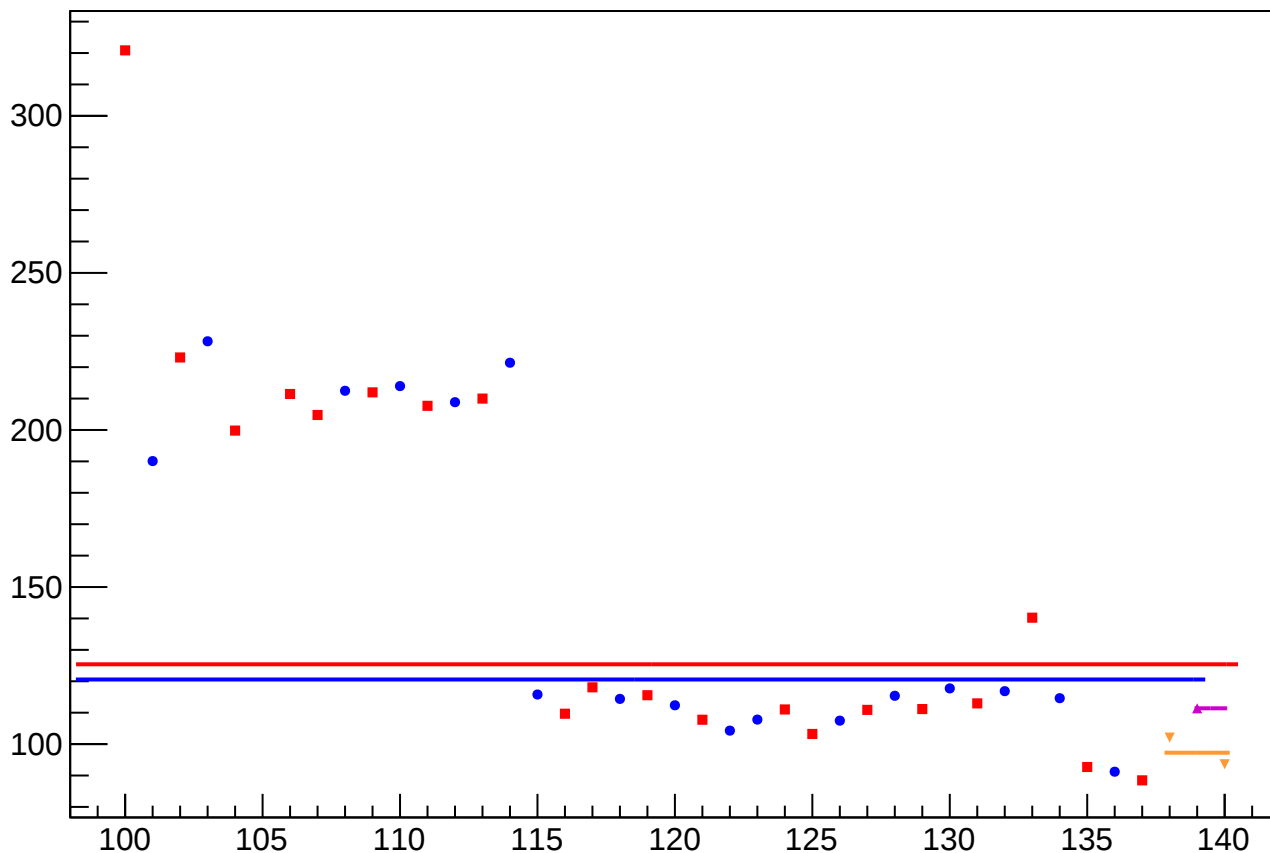
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -71.916 $\pm$ 130.943 χ^2 /NDF:0.0/0

110.635 $\pm$ 41.764 χ^2 /NDF: 13.5/18

-78.438 $\pm$ 46.468 χ^2 /NDF: 10.2/20

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 97.262 $\pm$ 0.056 χ^2 /NDF: 5624.0/1

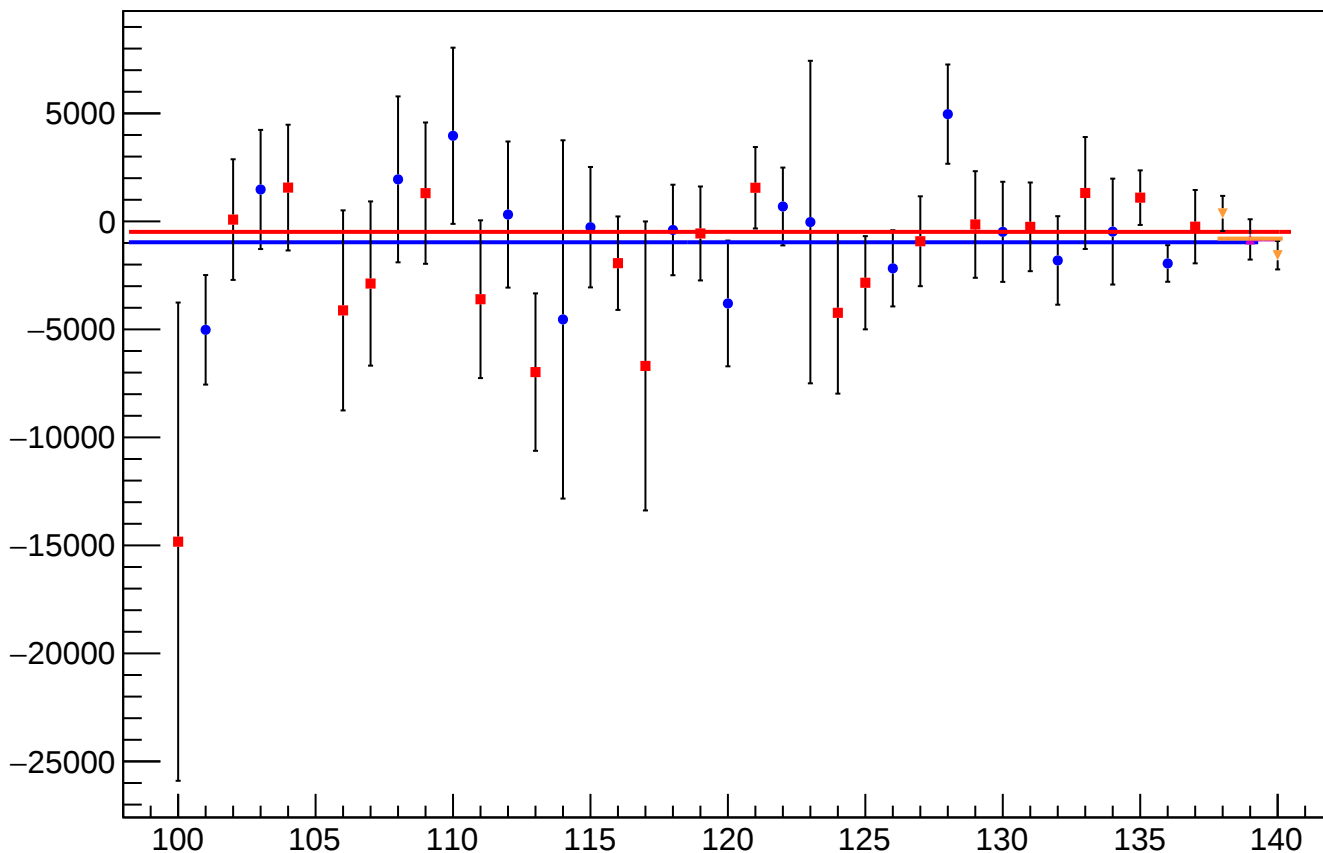
Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

Left In: 111.394 $\pm$ 0.093 χ^2 /NDF: 0.0/0

114.107 $\pm$ 0.030 χ^2 /NDF: 1242438.3/18

123.640 $\pm$ 0.033 χ^2 /NDF: 1354089.3/20

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -798.336+/-511.794 χ^2/NDF : 3.4/1

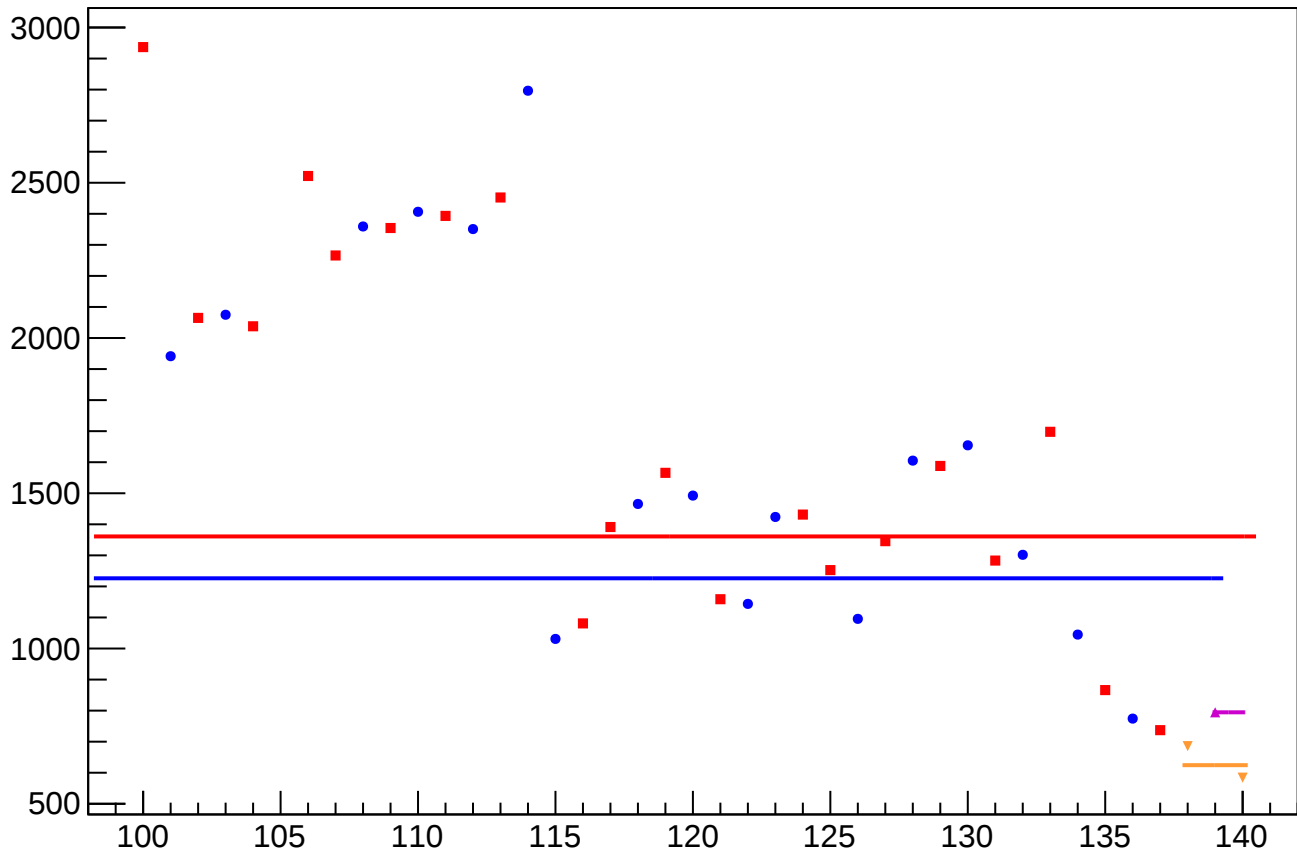
Right Out: -485.654+/-543.567 χ^2/NDF : 14.3/19

Left In: -835.584+/-933.343 χ^2/NDF : 0.0/0

-882.372+/-362.086 χ^2/NDF : 19.8/18

-574.282+/-469.715 χ^2/NDF : 14.4/20

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 624.357+/-0.362 χ^2/NDF :18791.8/1

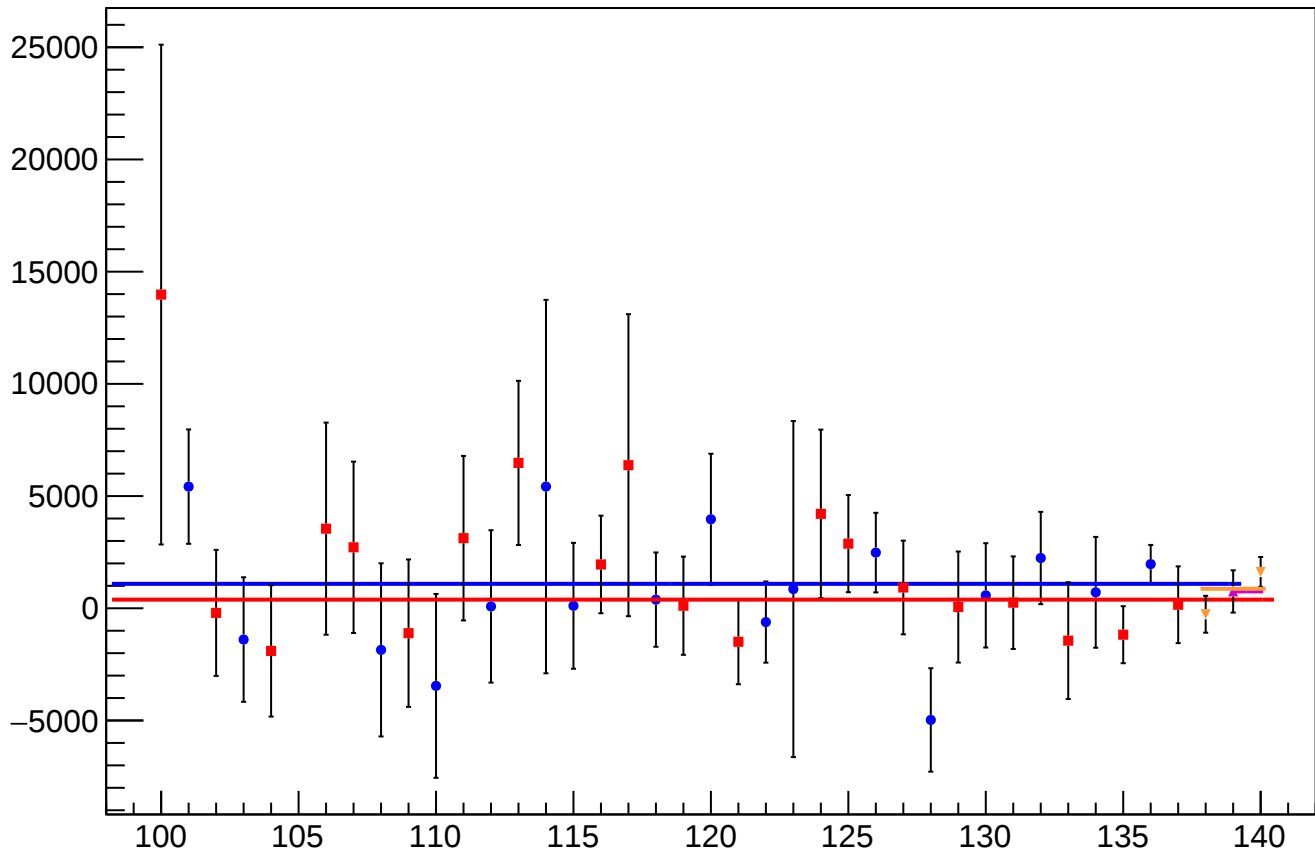
924.925+/-0.256 χ^2/NDF : 3156193.5/18

Right Out: 1360.972+/-0.384 χ^2/NDF : 1749116.2/19

1217.518+/-0.332 χ^2/NDF : 2299109.6/20

Left In: 794.571+/-0.660 χ^2/NDF :0.0/0

asym_sam_26_avg_mean vs Slug



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 869.108+/-518.014 χ^2/NDF : 3.2/1

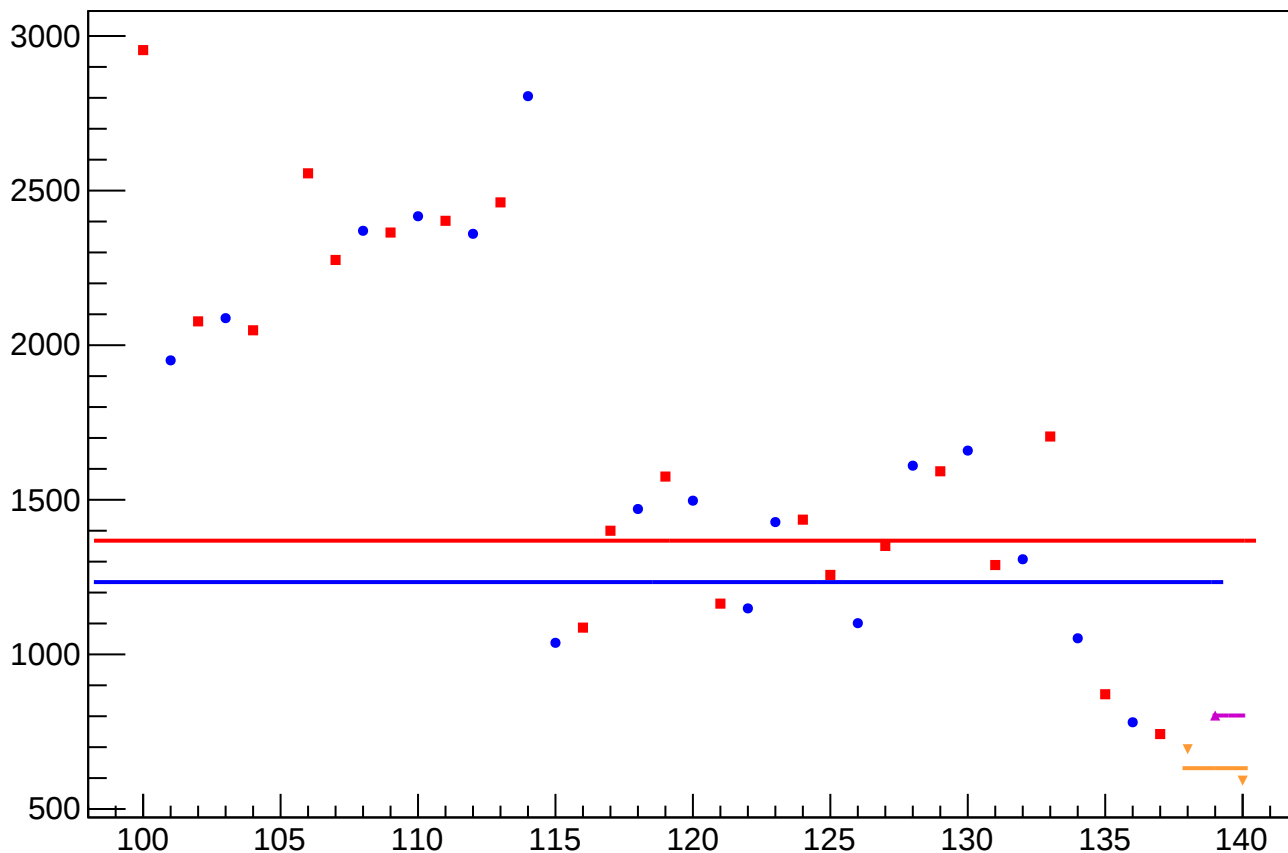
Right Out: 385.391+/-546.382 χ^2/NDF : 13.3/19

Left In: 751.634+/-942.513 χ^2/NDF : 0.0/0

979.671+/-365.318 χ^2/NDF : 20.2/18

477.513+/-472.697 χ^2/NDF : 13.4/20

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 632.044+/-0.366 χ^2/NDF :18406.4/1

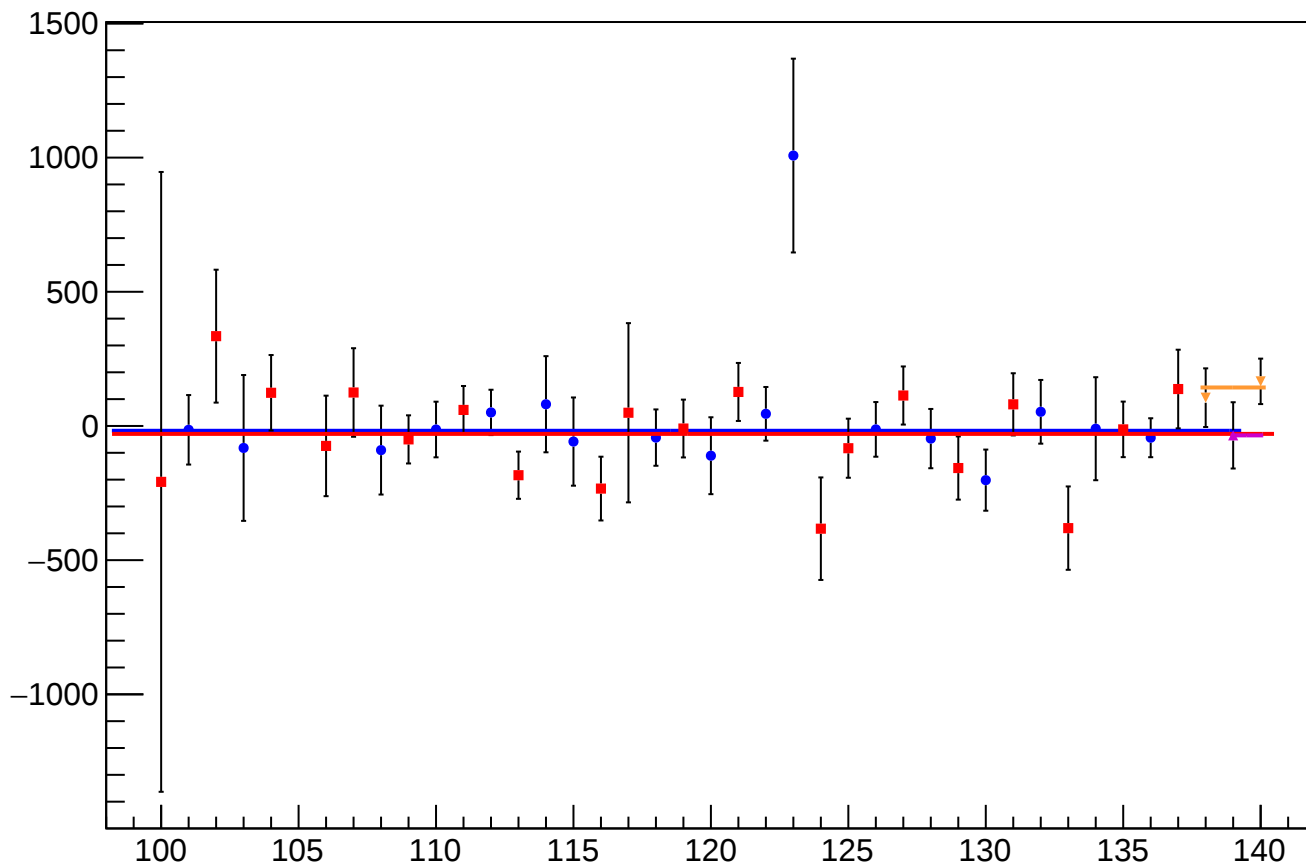
Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

Left In: 802.373+/-0.666 χ^2/NDF :0.0/0

934.550+/-0.258 χ^2/NDF : 3119353.9/18

1225.595+/-0.334 χ^2/NDF : 2283426.8/20

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 143.403 ± 66.938 χ^2/NDF : 0.2/1

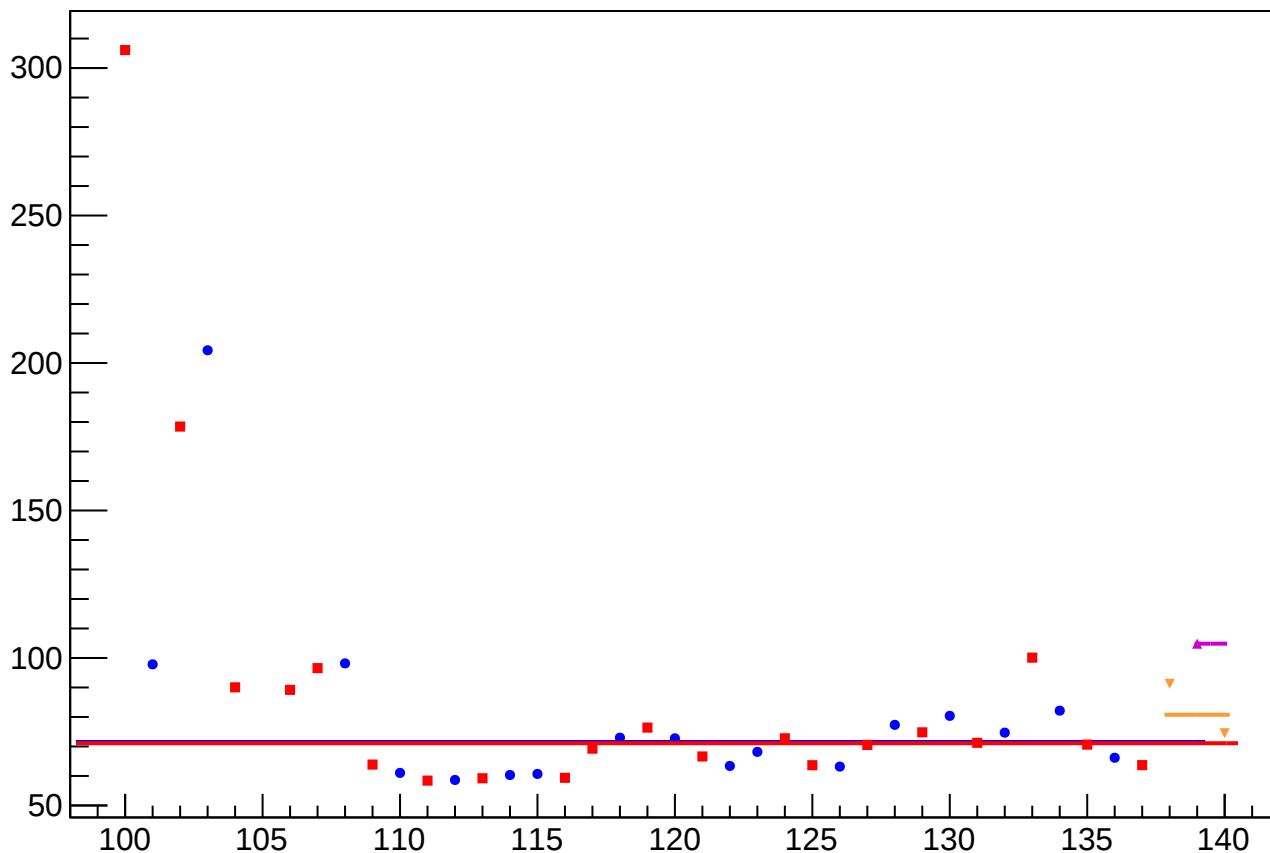
Right Out: -29.517 ± 27.879 χ^2/NDF : 27.5/19

Left In: -35.062 ± 123.479 χ^2/NDF : 0.0/0

7.306 ± 26.492 χ^2/NDF : 18.5/18

-29.786 ± 27.194 χ^2/NDF : 27.5/20

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 80.761 $\pm$ 0.047 χ^2 /NDF: 29457.6/1

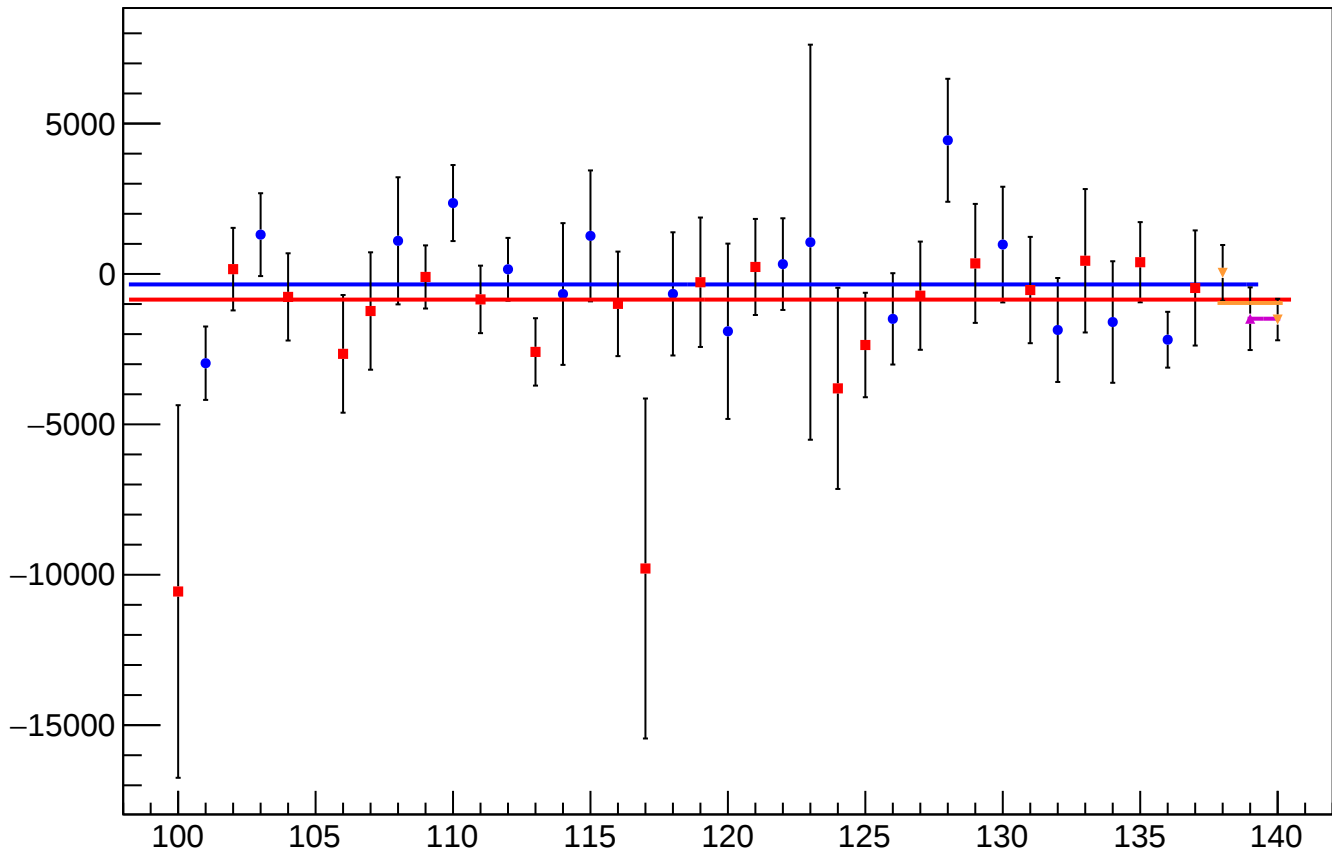
Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

Left In: 104.851 $\pm$ 0.087 χ^2 /NDF: 0.0/0

72.981 $\pm$ 0.019 χ^2 /NDF: 820454.2/18

72.739 $\pm$ 0.019 χ^2 /NDF: 907381.2/20

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -963.921 ± 552.723 χ^2/NDF : 1.8/1

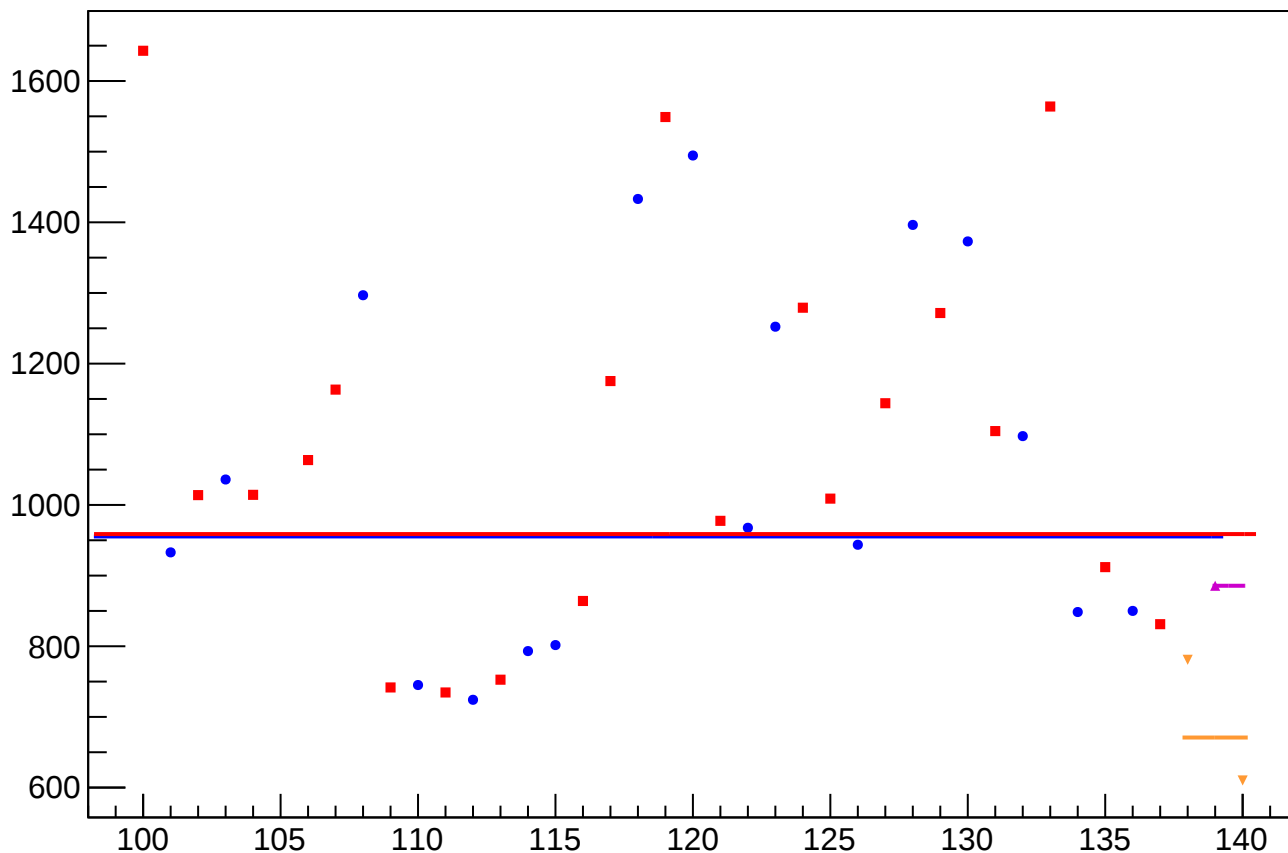
Right Out: -852.433 ± 369.018 χ^2/NDF : 13.0/19

Left In: -1487.675 ± 1041.669 χ^2/NDF : 0.0/0

-547.051 ± 314.248 χ^2/NDF : 26.7/18

-923.265 ± 347.836 χ^2/NDF : 13.3/20

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 670.825+/-0.391 χ^2/NDF : 43757.2/1

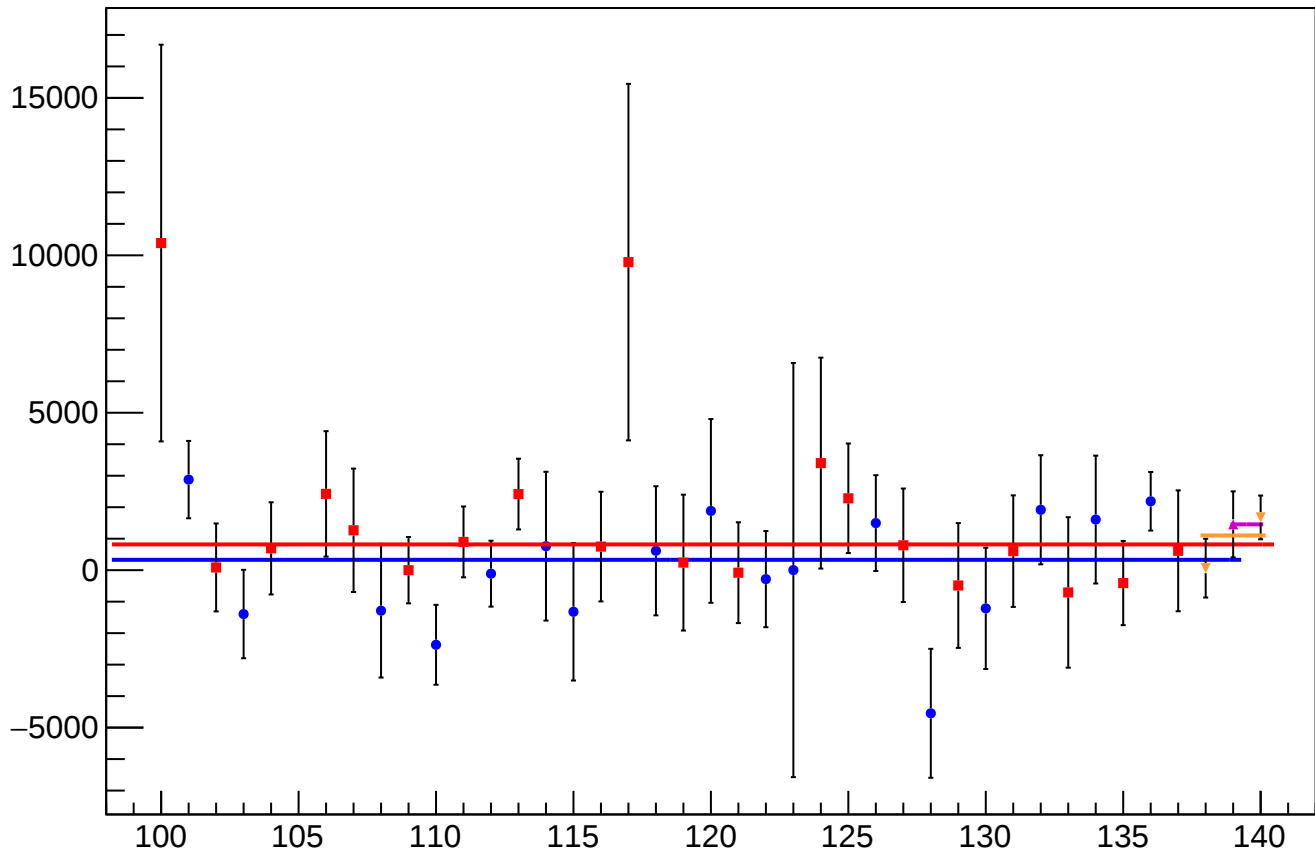
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 885.618+/-0.737 χ^2/NDF : 0.0/0

863.430+/-0.222 χ^2/NDF : 1049125.3/18

950.618+/-0.246 χ^2/NDF : 704796.3/20

asym_sam_37_avg_mean vs Slug



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 1102.463+/-556.872 χ^2/NDF : 1.9/1

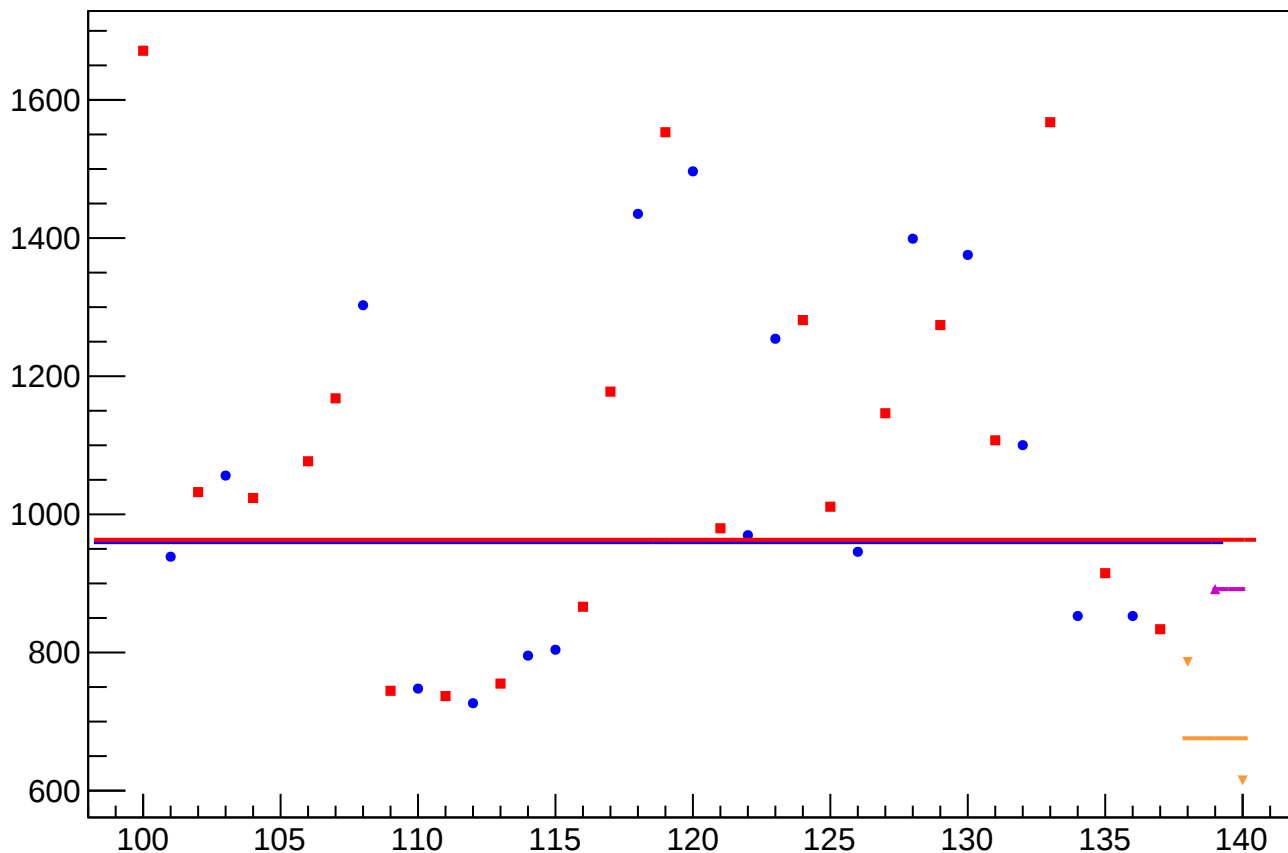
Right Out: 818.253+/-370.875 χ^2/NDF : 11.8/19

Left In: 1455.077+/-1049.004 χ^2/NDF : 0.0/0

578.131+/-315.975 χ^2/NDF : 27.5/18

889.009+/-349.664 χ^2/NDF : 12.2/20

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 675.836+/-0.394 χ^2/NDF : 43500.4/1

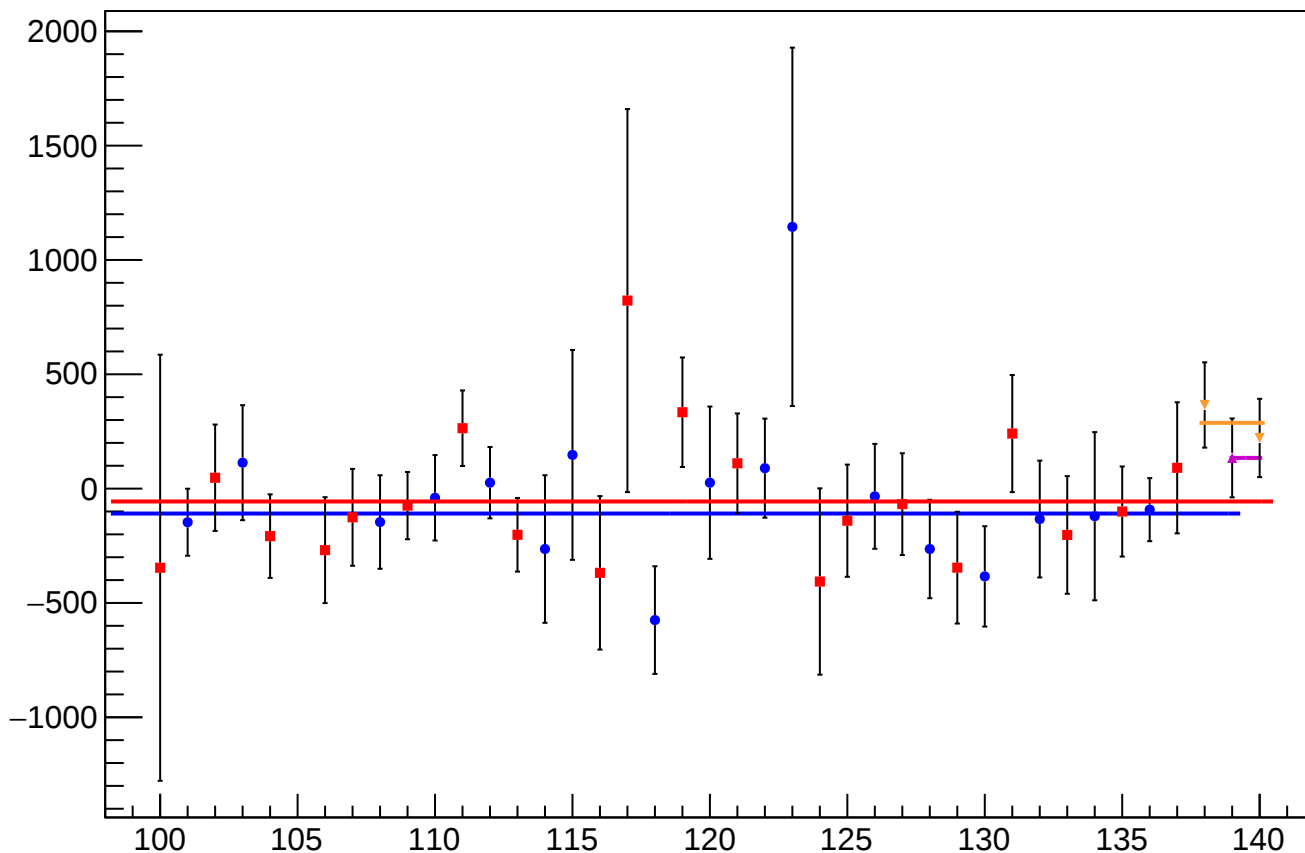
Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

Left In: 891.848+/-0.742 χ^2/NDF : 0.0/0

868.356+/-0.223 χ^2/NDF : 1042771.8/18

955.306+/-0.247 χ^2/NDF : 706872.1/20

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977+/-52.923 χ^2/NDF : 12.0/16

Left Out: 287.517+/-126.154 χ^2/NDF : 0.3/1

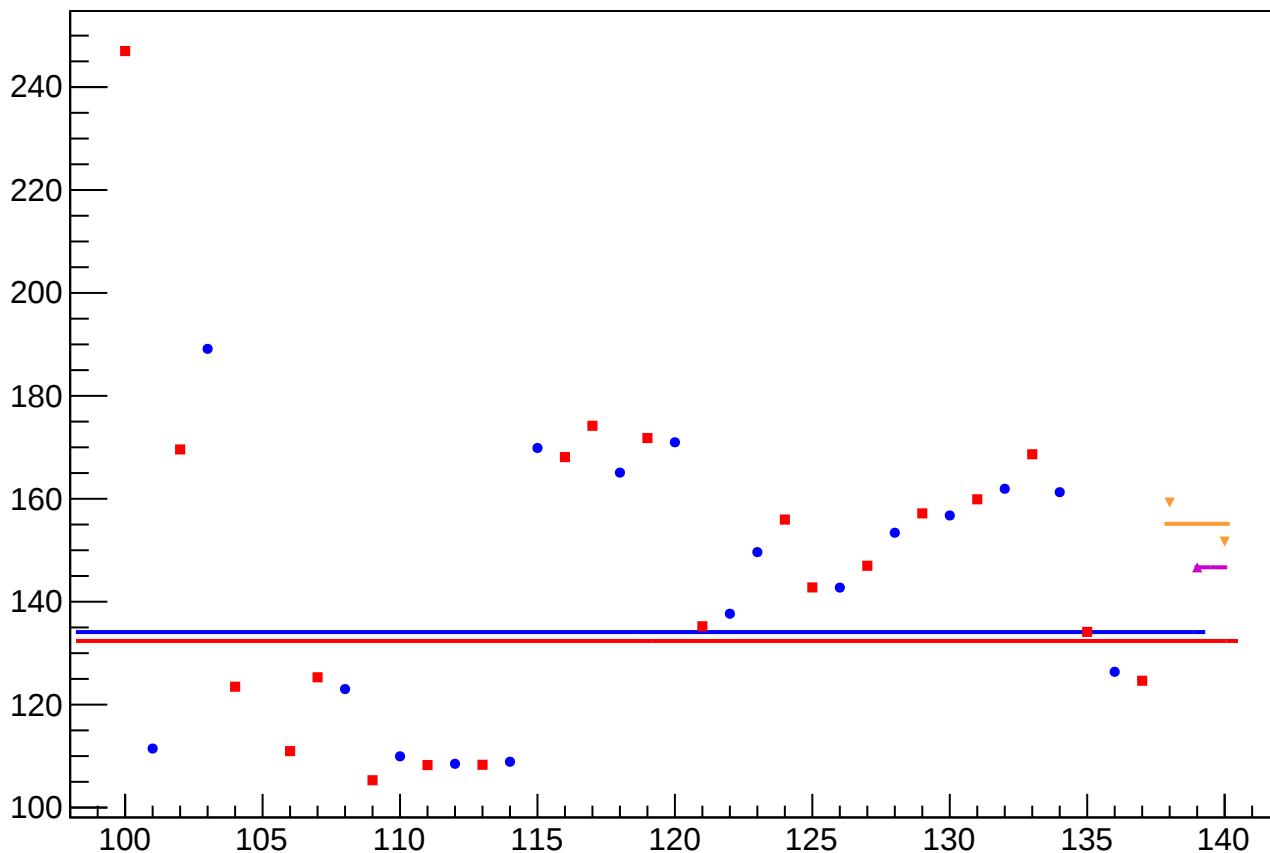
Right Out: -56.241+/-50.729 χ^2/NDF : 16.0/19

Left In: 134.350+/-172.588 χ^2/NDF : 0.0/0

-49.641+/-48.802 χ^2/NDF : 20.7/18

-41.084+/-48.670 χ^2/NDF : 17.1/20

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 155.136+/-0.089 χ^2/NDF : 1790.4/1

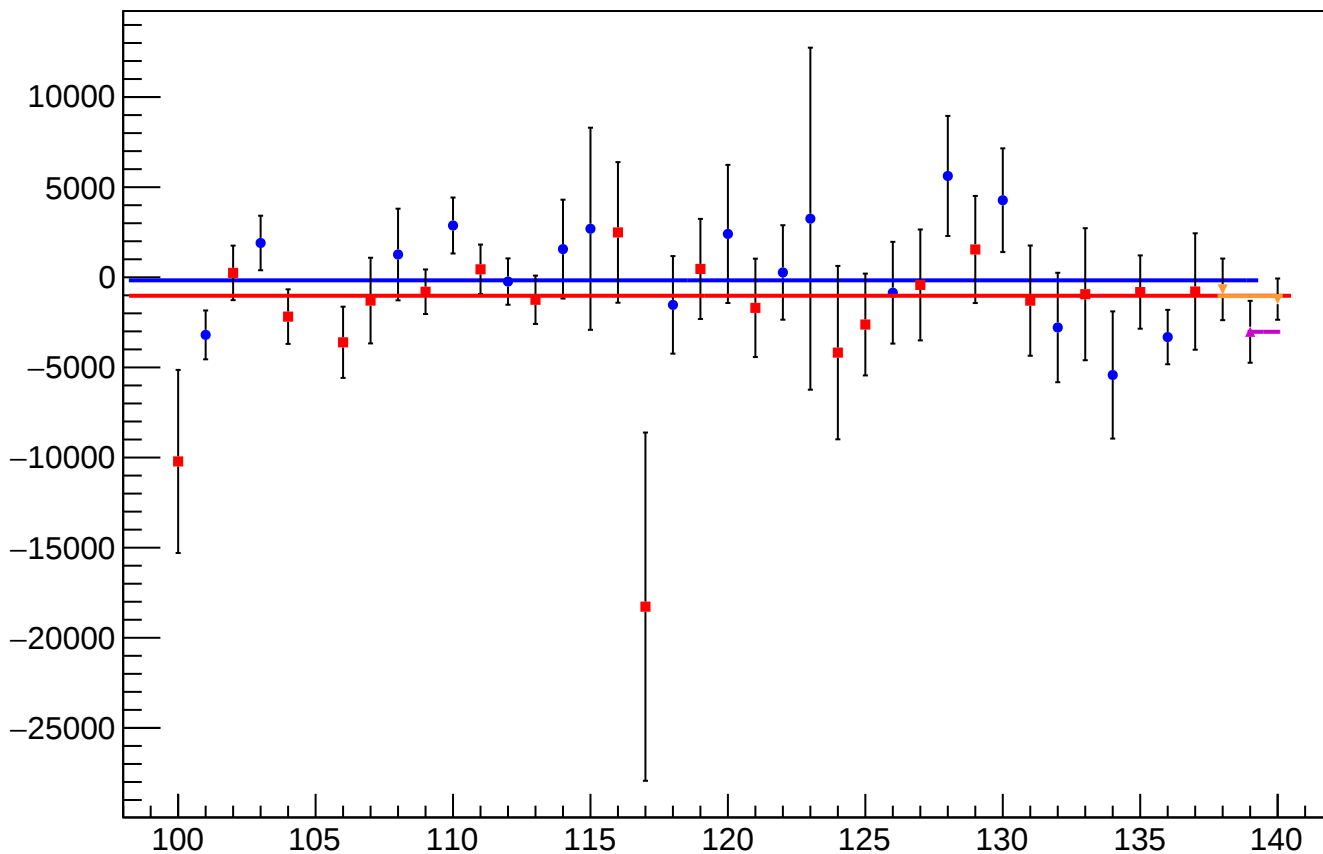
Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

Left In: 146.683+/-0.122 χ^2/NDF : 0.0/0

137.251+/-0.035 χ^2/NDF : 451645.0/18

133.511+/-0.034 χ^2/NDF : 459398.8/20

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237+/-523.672 χ^2/NDF : 25.3/16

Left Out: -1042.546+/-950.940 χ^2/NDF : 0.1/1

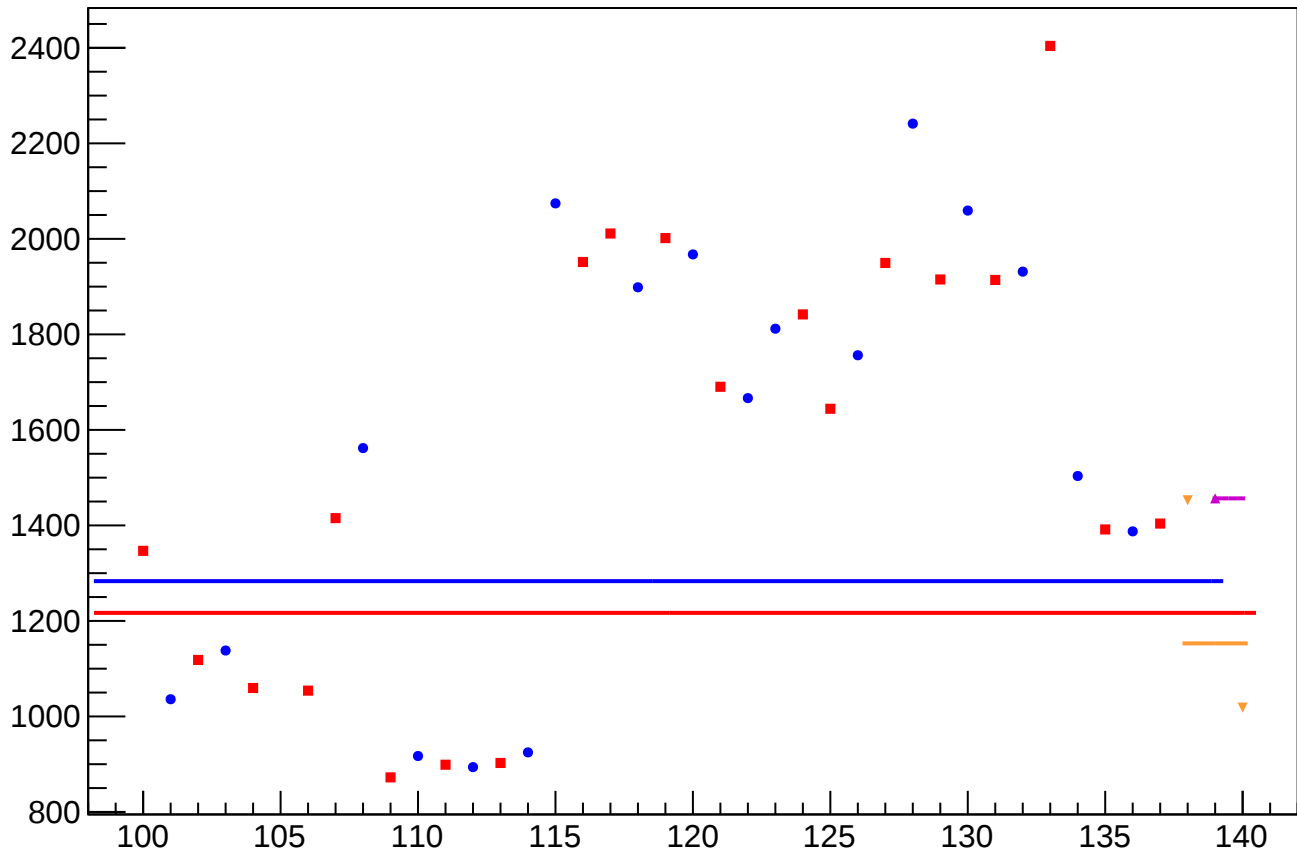
Right Out: -1023.271+/-480.373 χ^2/NDF : 13.4/19

Left In: -3022.914+/-1716.892 χ^2/NDF : 0.0/0

-371.682+/-458.717 χ^2/NDF : 26.0/18

-1168.446+/-462.607 χ^2/NDF : 14.6/20

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1152.995+/-0.672 χ^2/NDF : 89136.6/1

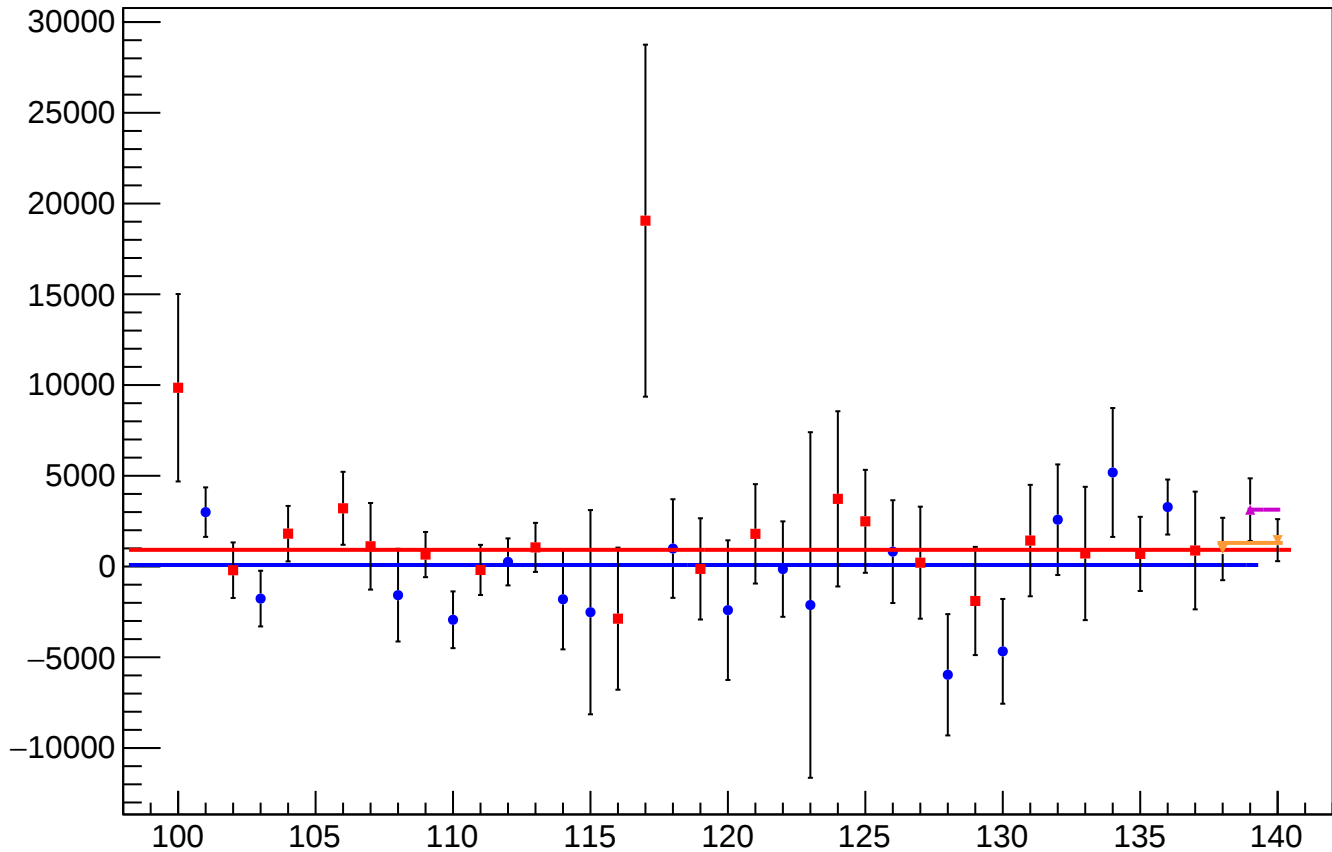
1252.993+/-0.324 χ^2/NDF : 1287390.9/18

Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

1234.259+/-0.327 χ^2/NDF : 1410589.3/20

Left In: 1456.618+/-1.214 χ^2/NDF : 0.0/0

asym_sam_48_avg_mean vs Slug



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1301.182+/-960.368 χ^2/NDF : 0.1/1

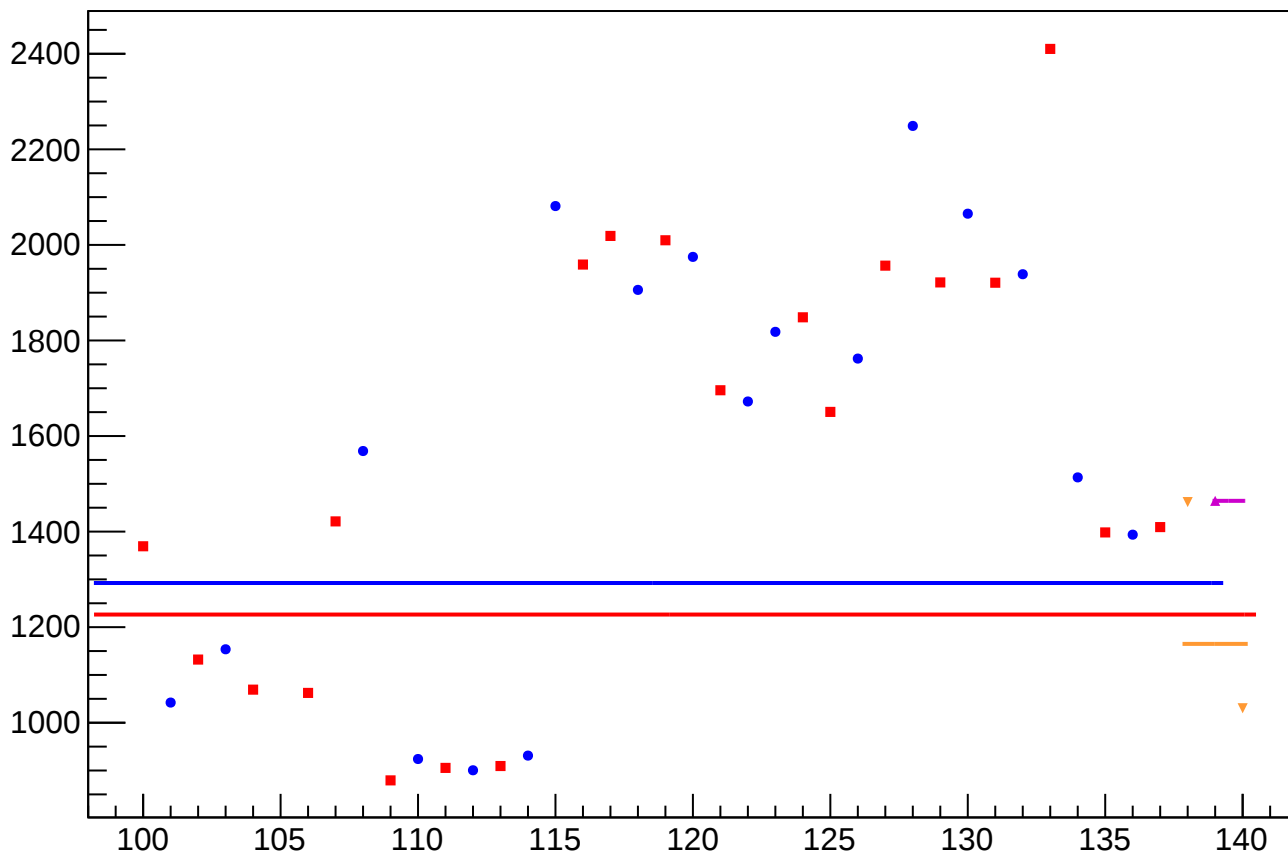
Right Out: 919.892+/-484.043 χ^2/NDF : 12.2/19

Left In: 3133.710+/-1725.907 χ^2/NDF : 0.0/0

366.593+/-462.065 χ^2/NDF : 26.0/18

1081.325+/-466.060 χ^2/NDF : 13.7/20

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1164.980+/-0.679 χ^2/NDF : 86681.2/1

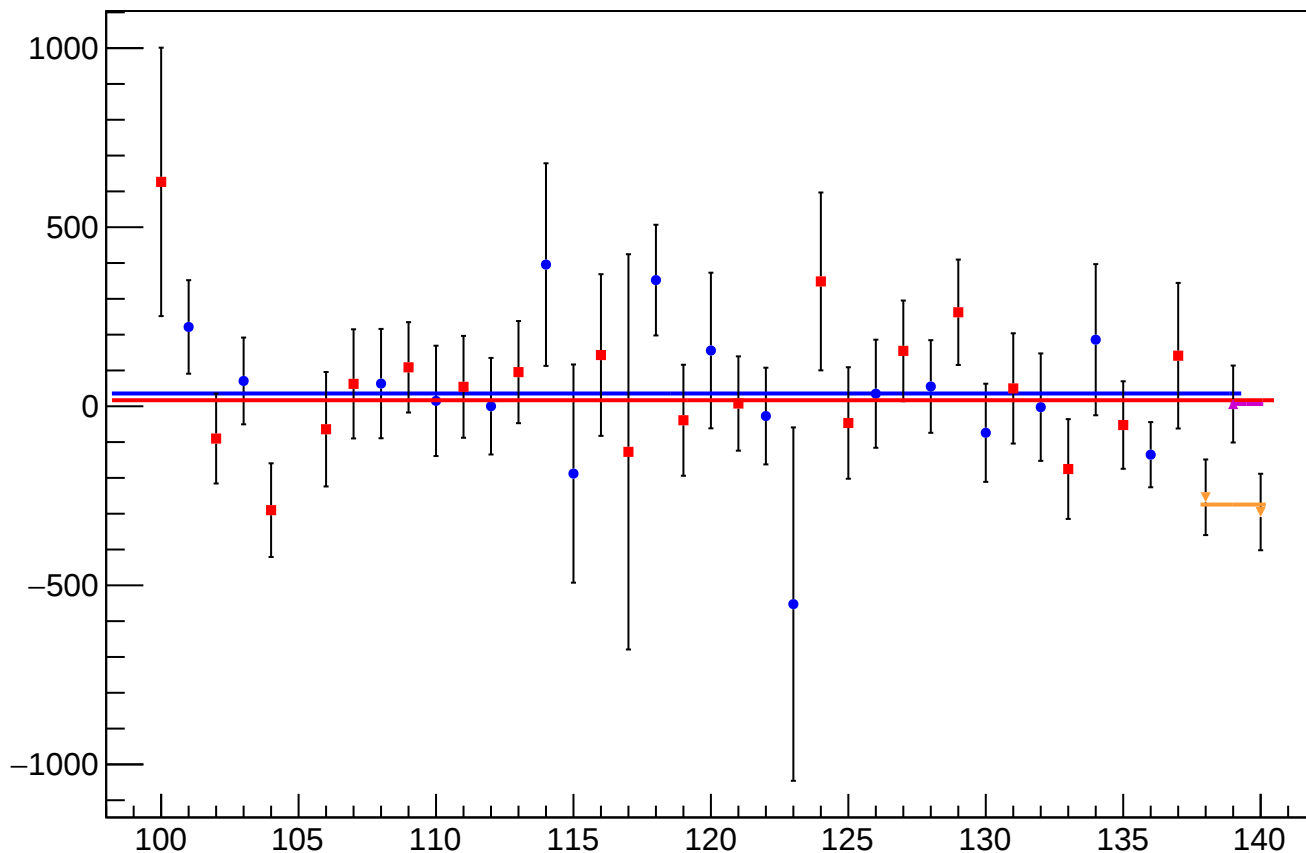
Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

Left In: 1464.374+/-1.220 χ^2/NDF : 0.0/0

1262.923+/-0.327 χ^2/NDF : 1270325.1/18

1243.761+/-0.330 χ^2/NDF : 1394383.5/20

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 χ^2/NDF : 15.3/16

Left Out: -274.437 ± 75.064 χ^2/NDF : 0.1/1

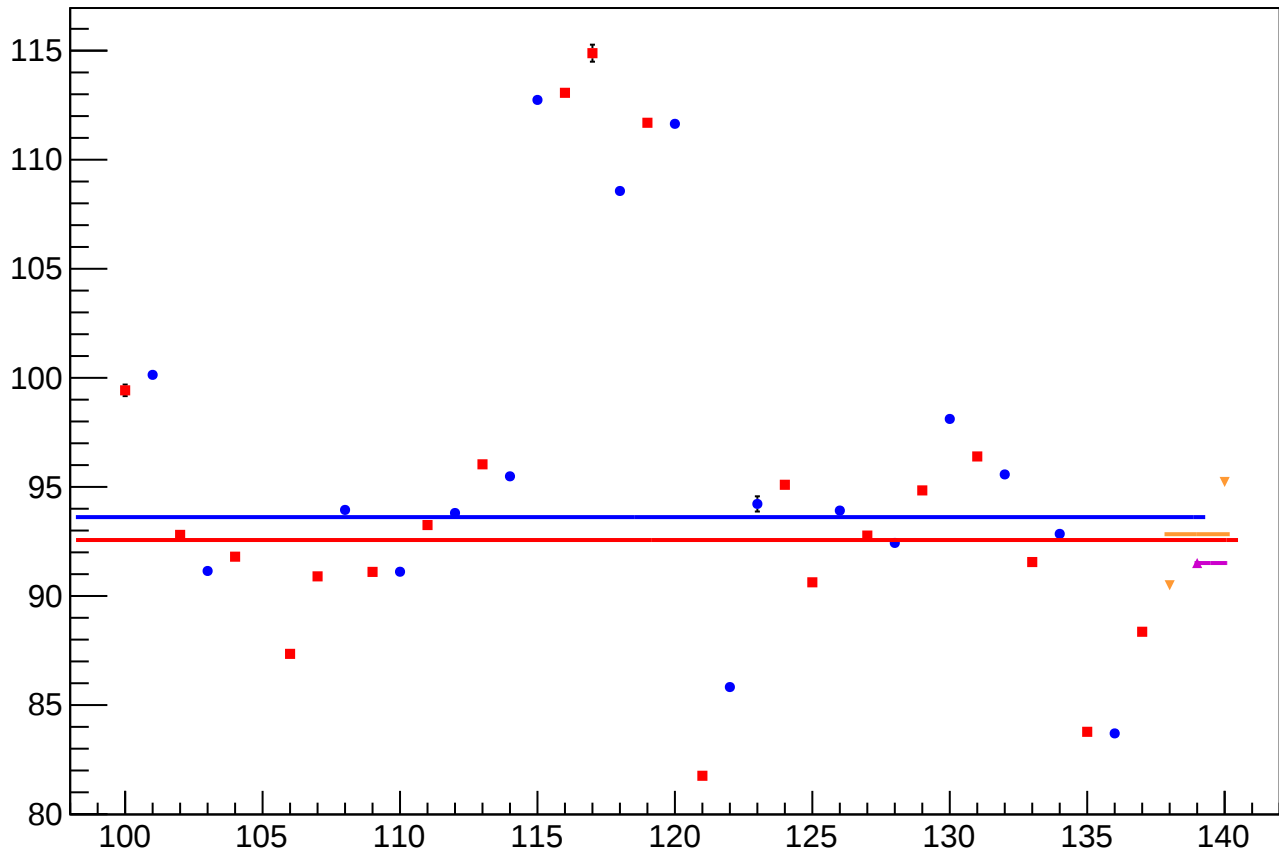
Right Out: 16.849 ± 34.623 χ^2/NDF : 19.0/19

Left In: 6.238 ± 107.428 χ^2/NDF : 0.0/0

-23.230 ± 32.716 χ^2/NDF : 29.2/18

15.850 ± 32.954 χ^2/NDF : 19.0/20

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616 $\pm$ 0.026 χ^2/NDF : 79928.5/16

Left Out: 92.833 $\pm$ 0.053 χ^2/NDF : 1989.2/1

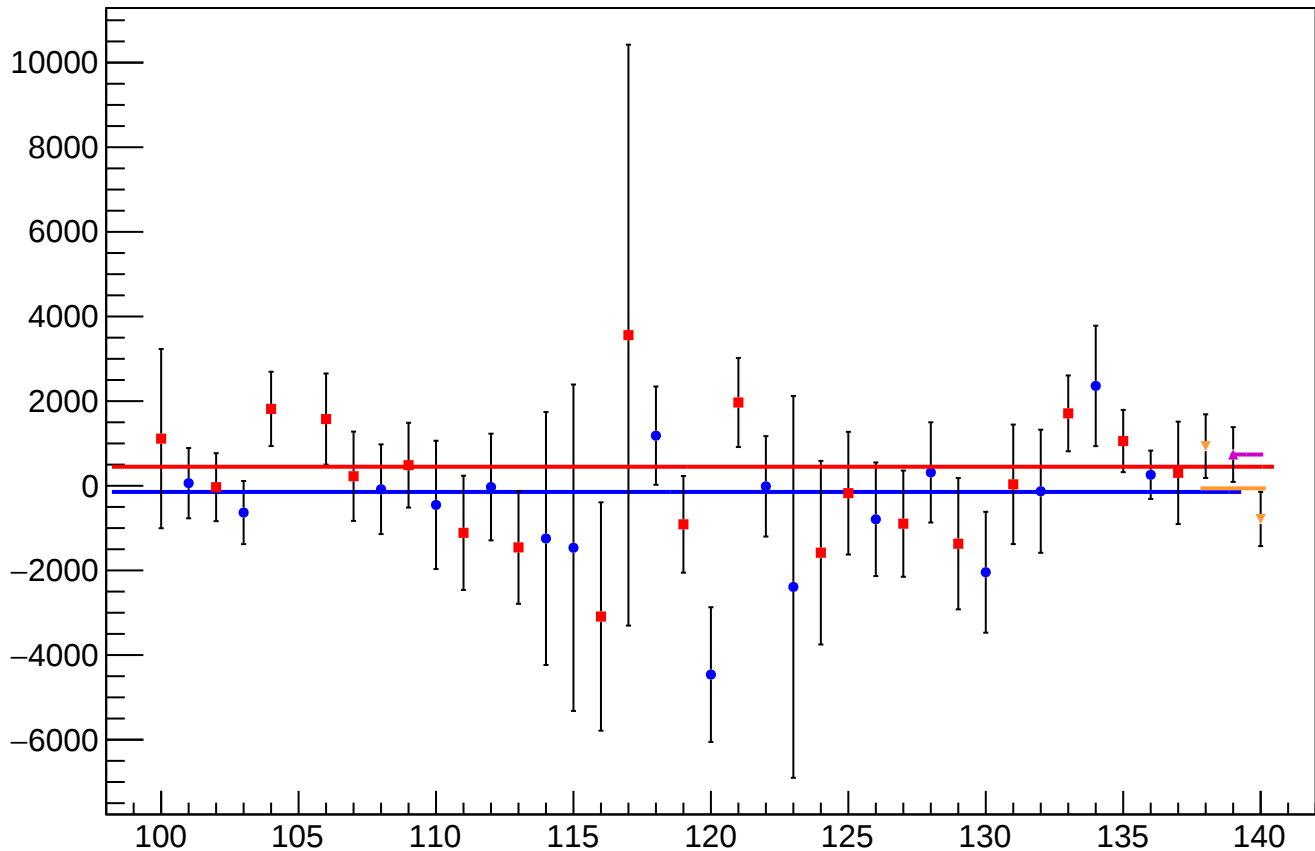
Right Out: 92.565 $\pm$ 0.024 χ^2/NDF : 81875.5/19

Left In: 91.511 $\pm$ 0.076 χ^2/NDF : 0.0/0

93.467 $\pm$ 0.023 χ^2/NDF : 82094.1/18

92.466 $\pm$ 0.023 χ^2/NDF : 82050.2/20

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464+/-276.629 χ^2/NDF : 15.5/16

Left Out: -60.504+/-488.117 χ^2/NDF : 3.0/1

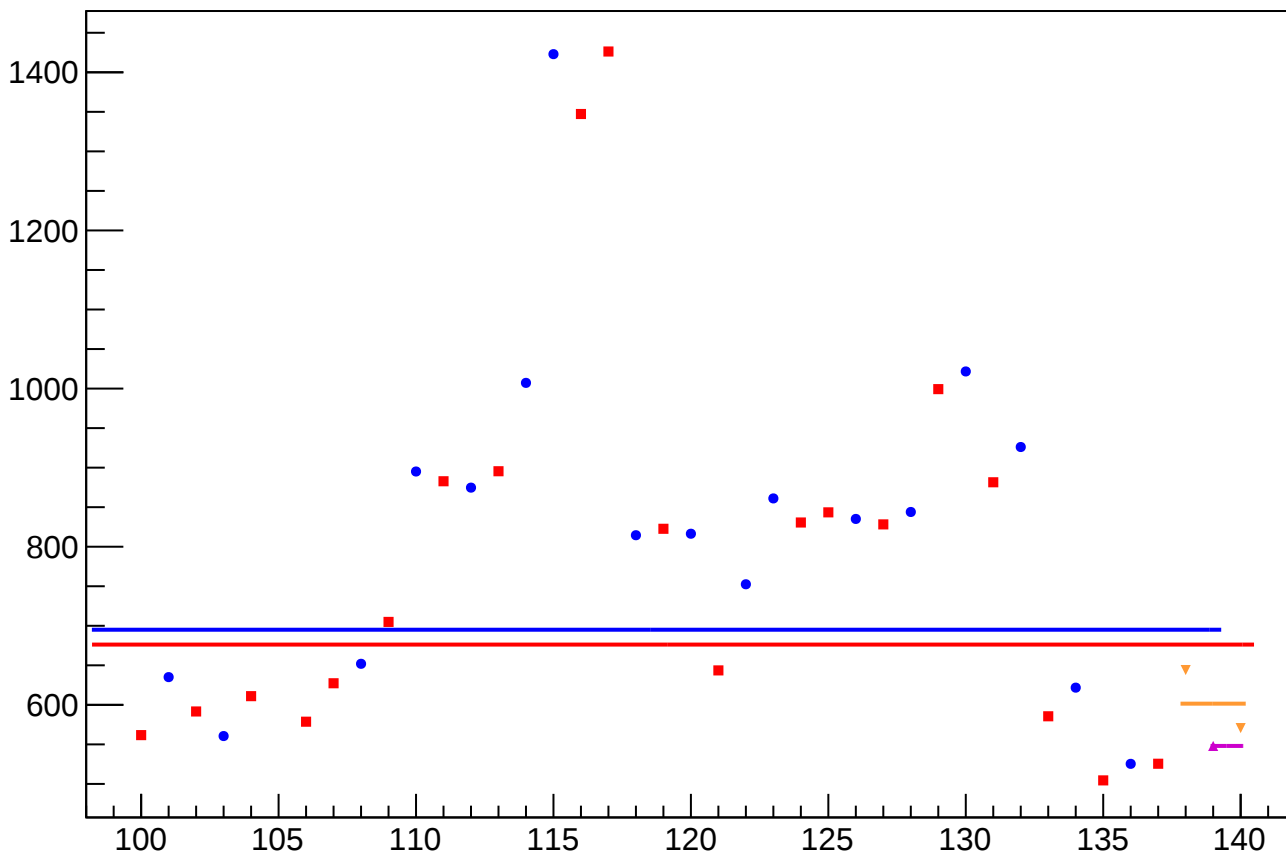
Right Out: 450.047+/-260.089 χ^2/NDF : 19.2/19

Left In: 738.636+/-646.780 χ^2/NDF : 0.0/0

-124.810+/-240.667 χ^2/NDF : 18.5/18

490.218+/-241.309 χ^2/NDF : 19.4/20

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014+/-0.196 χ^2/NDF : 677713.0/16

Left Out: 601.510+/-0.345 χ^2/NDF : 11022.0/1

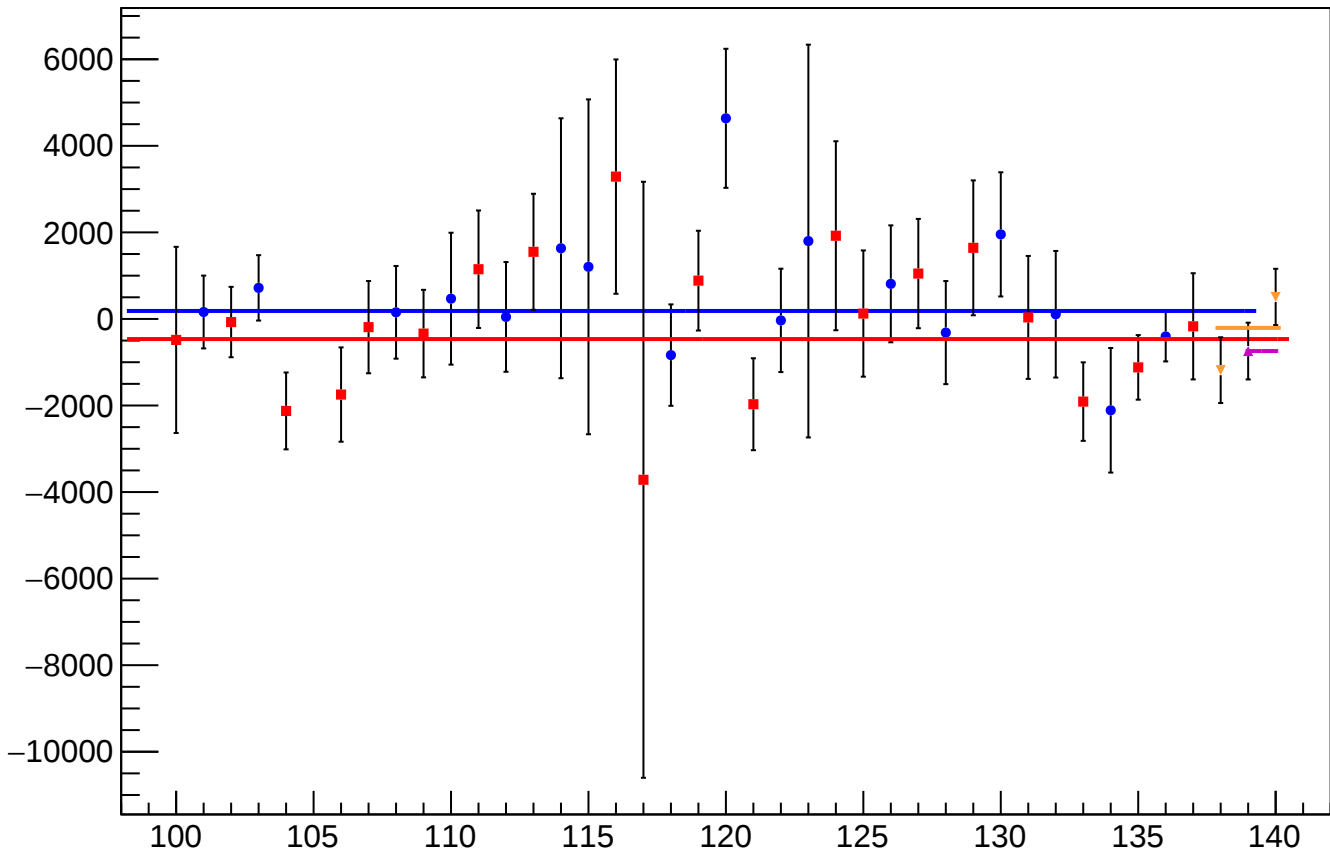
Right Out: 676.229+/-0.184 χ^2/NDF : 700313.6/19

Left In: 548.050+/-0.457 χ^2/NDF : 0.0/0

672.283+/-0.170 χ^2/NDF : 744283.9/18

658.387+/-0.171 χ^2/NDF : 767931.2/20

asym_sam_15_dd_mean vs Slug



Right In: 184.518+/-279.390 χ^2/NDF : 14.9/16

Left Out: -207.157+/-494.151 χ^2/NDF : 2.9/1

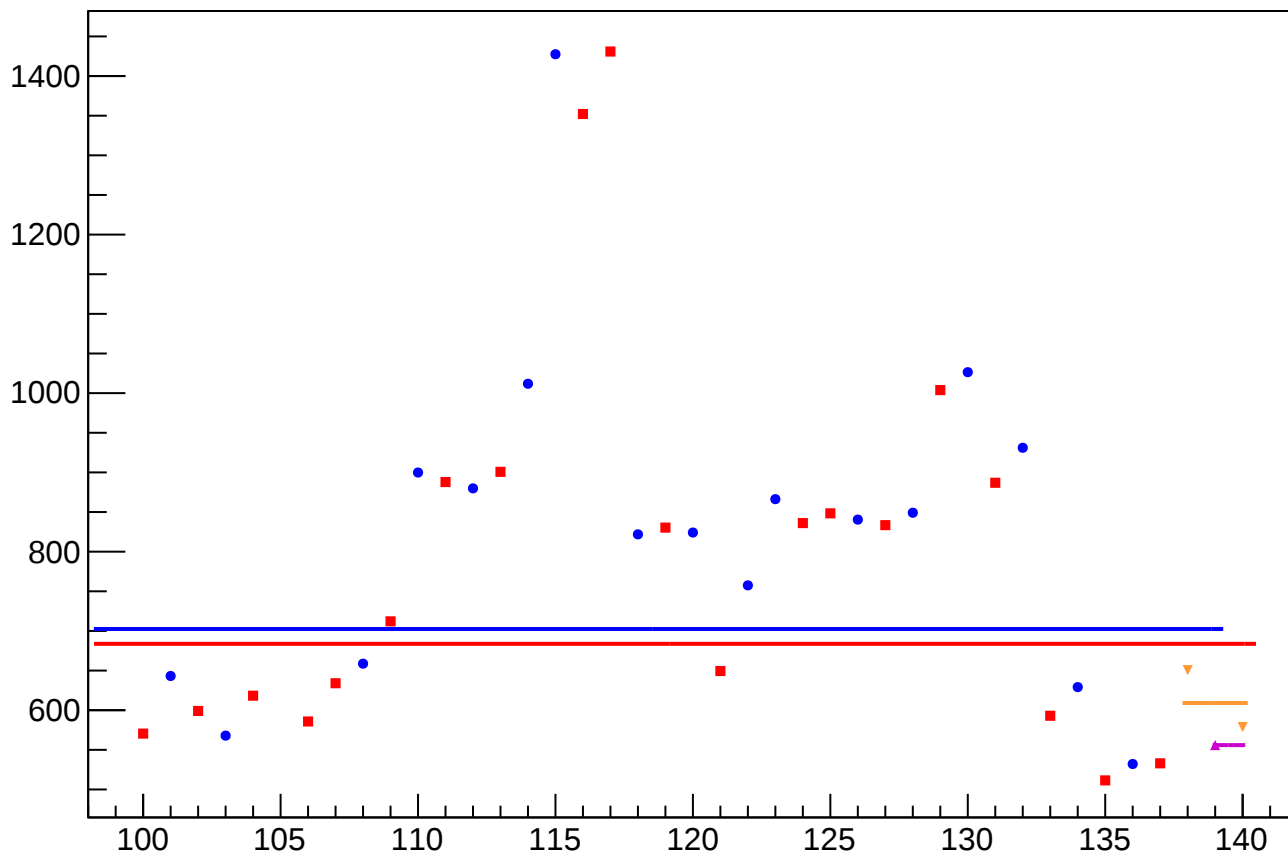
Right Out: -464.916+/-262.768 χ^2/NDF : 22.5/19

Left In: -742.112+/-655.943 χ^2/NDF : 0.0/0

89.641+/-243.208 χ^2/NDF : 18.3/18

-503.248+/-243.924 χ^2/NDF : 22.7/20

asym_sam_15_dd_rms vs Slug



Right In: 702.469 ± 0.198 $\chi^2/\text{NDF}: 660525.4/16$

Left Out: 609.091 ± 0.349 $\chi^2/\text{NDF}: 10314.1/1$

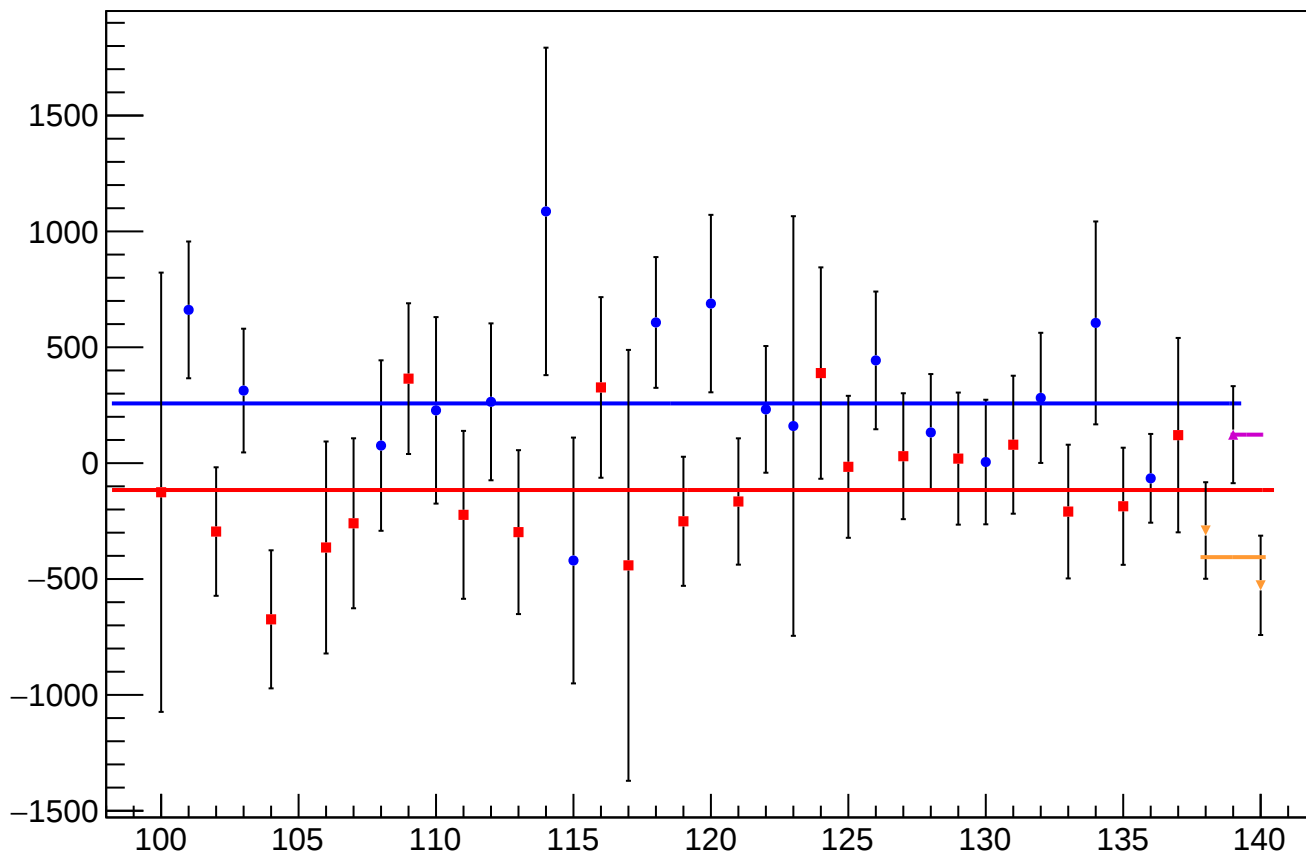
Right Out: 683.751 ± 0.186 $\chi^2/\text{NDF}: 683105.3/19$

Left In: 555.968 ± 0.464 $\chi^2/\text{NDF}: 0.0/0$

679.849 ± 0.172 $\chi^2/\text{NDF}: 724956.8/18$

666.081 ± 0.172 $\chi^2/\text{NDF}: 748509.7/20$

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -405.559 $\pm$ 149.387 χ^2 /NDF: 0.6/1

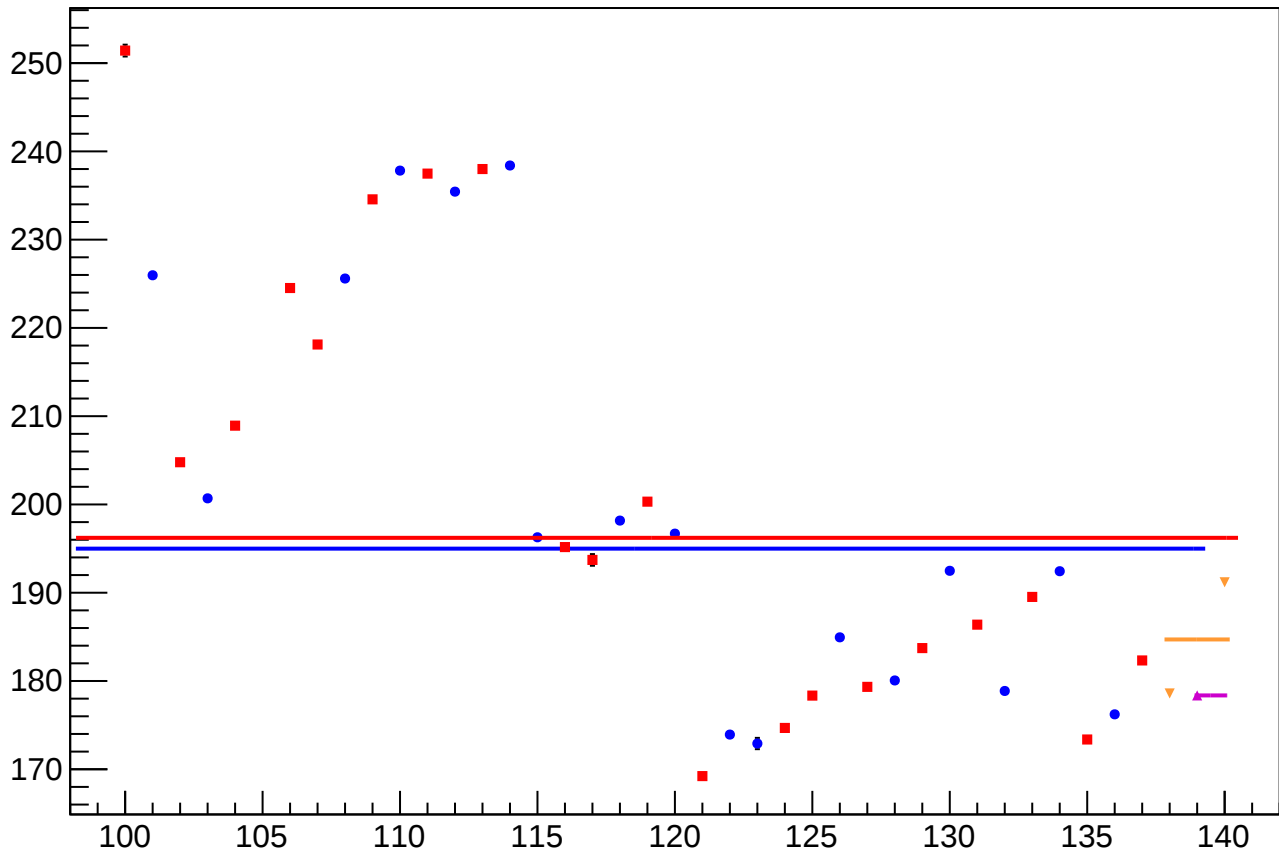
Right Out: -115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

Left In: 122.938 $\pm$ 209.351 χ^2 /NDF: 0.0/0

121.543 $\pm$ 67.689 χ^2 /NDF: 29.3/18

-89.409 $\pm$ 69.749 χ^2 /NDF: 12.5/20

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 184.706 ± 0.106 χ^2/NDF : 3549.9/1

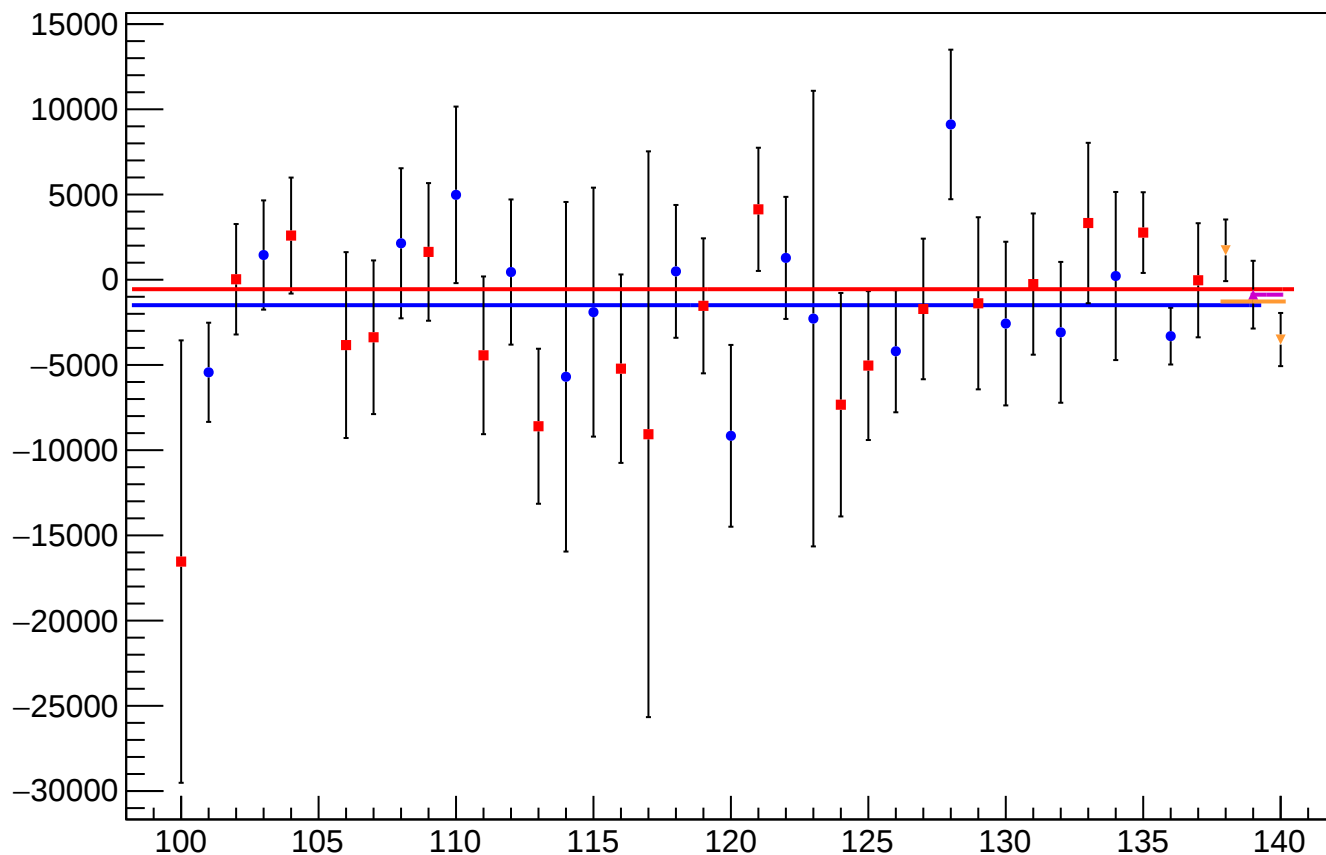
Right Out: 196.219 ± 0.052 χ^2/NDF : 173506.2/19

Left In: 178.366 ± 0.148 χ^2/NDF : 0.0/0

192.882 ± 0.048 χ^2/NDF : 155359.7/18

194.237 ± 0.049 χ^2/NDF : 186436.9/20

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -1275.506+/-1181.111 χ^2/NDF : 4.8/1

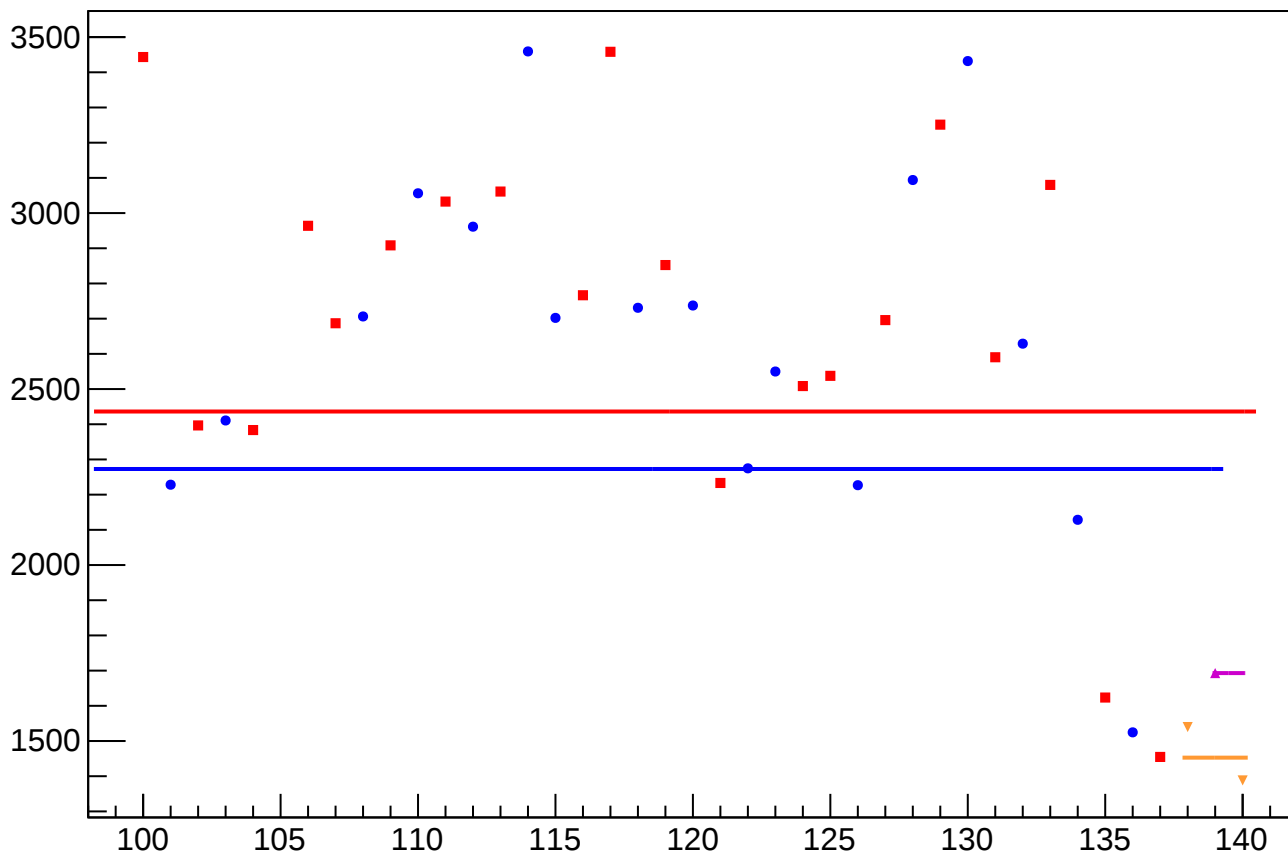
Right Out: -555.744+/-933.239 χ^2/NDF : 14.9/19

Left In: -876.320+/-1987.396 χ^2/NDF : 0.0/0

-1412.067+/-721.273 χ^2/NDF : 21.0/18

-613.662+/-844.740 χ^2/NDF : 14.9/20

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1452.740+/-0.835 χ^2/NDF : 8061.5/1

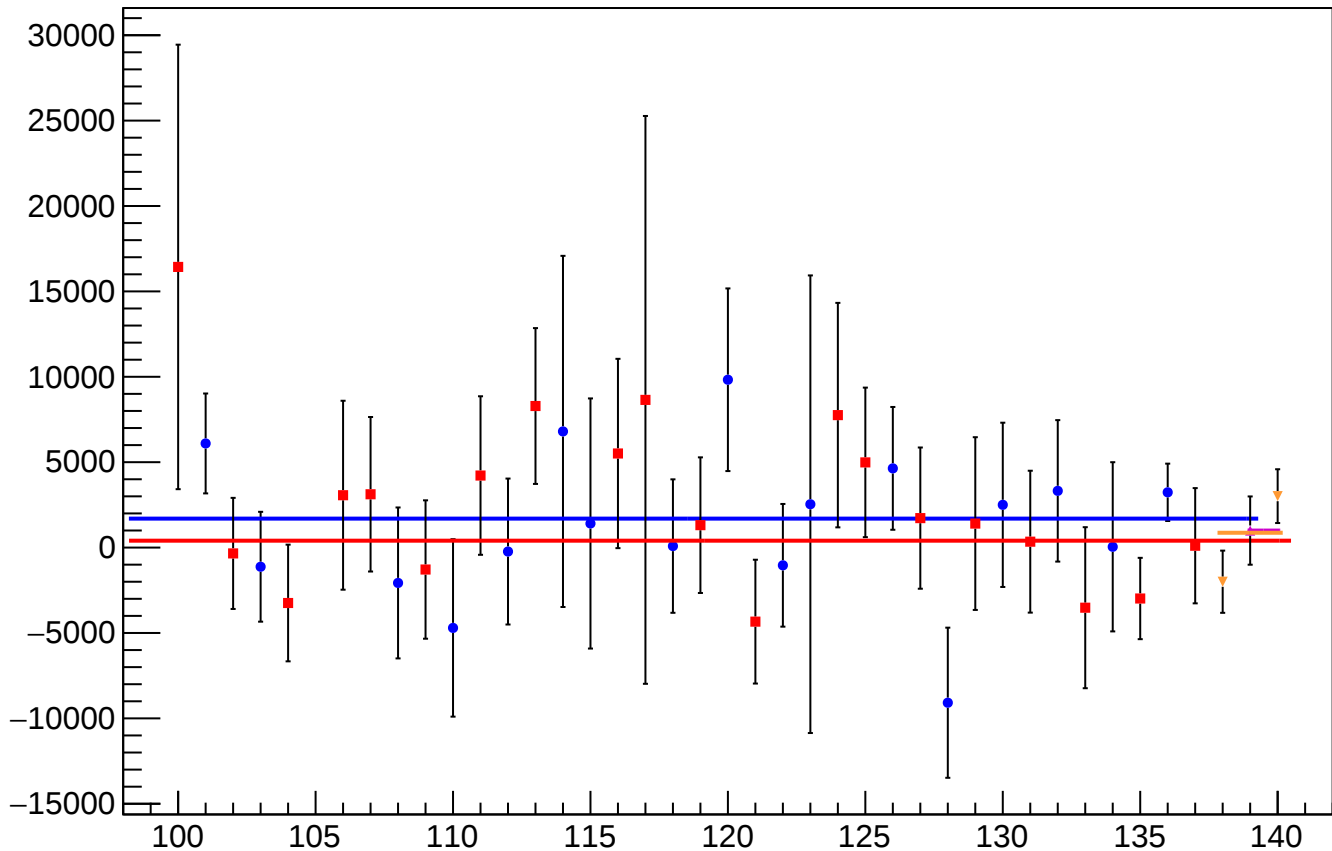
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1692.990+/-1.405 χ^2/NDF : 0.0/0

1967.034+/-0.510 χ^2/NDF : 1418425.7/18

2301.920+/-0.597 χ^2/NDF : 917548.9/20

asym_sam_26_dd_mean vs Slug



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 867.606+/-1191.127 χ^2/NDF : 4.3/1

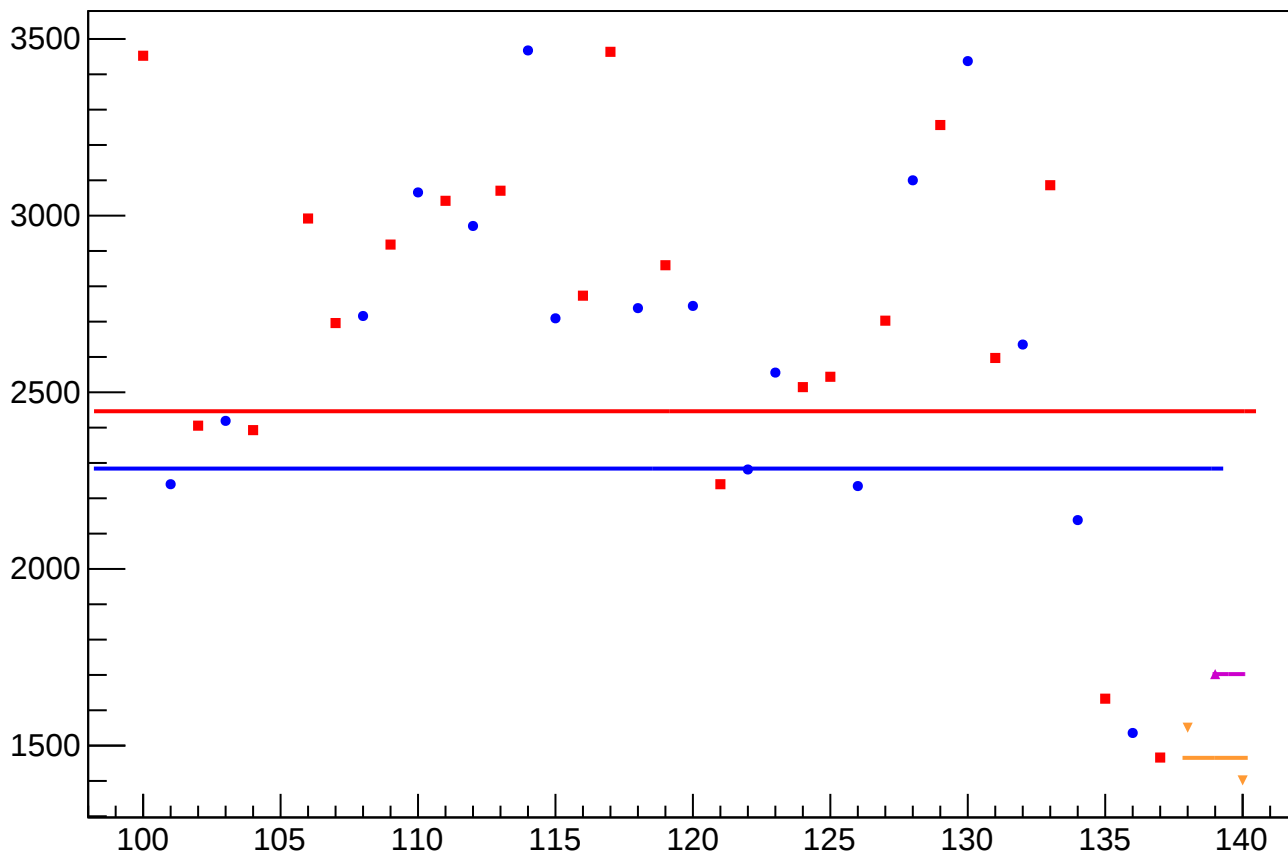
Right Out: 403.904+/-937.036 χ^2/NDF : 15.2/19

Left In: 995.577+/-1998.422 χ^2/NDF : 0.0/0

1388.609+/-725.547 χ^2/NDF : 21.3/18

510.541+/-848.402 χ^2/NDF : 15.3/20

asym_sam_26_dd_rms vs Slug



Right In: 2284.104 ± 0.647 χ^2/NDF : 793993.4/16

Left Out: 1465.357 ± 0.842 χ^2/NDF : 7681.3/1

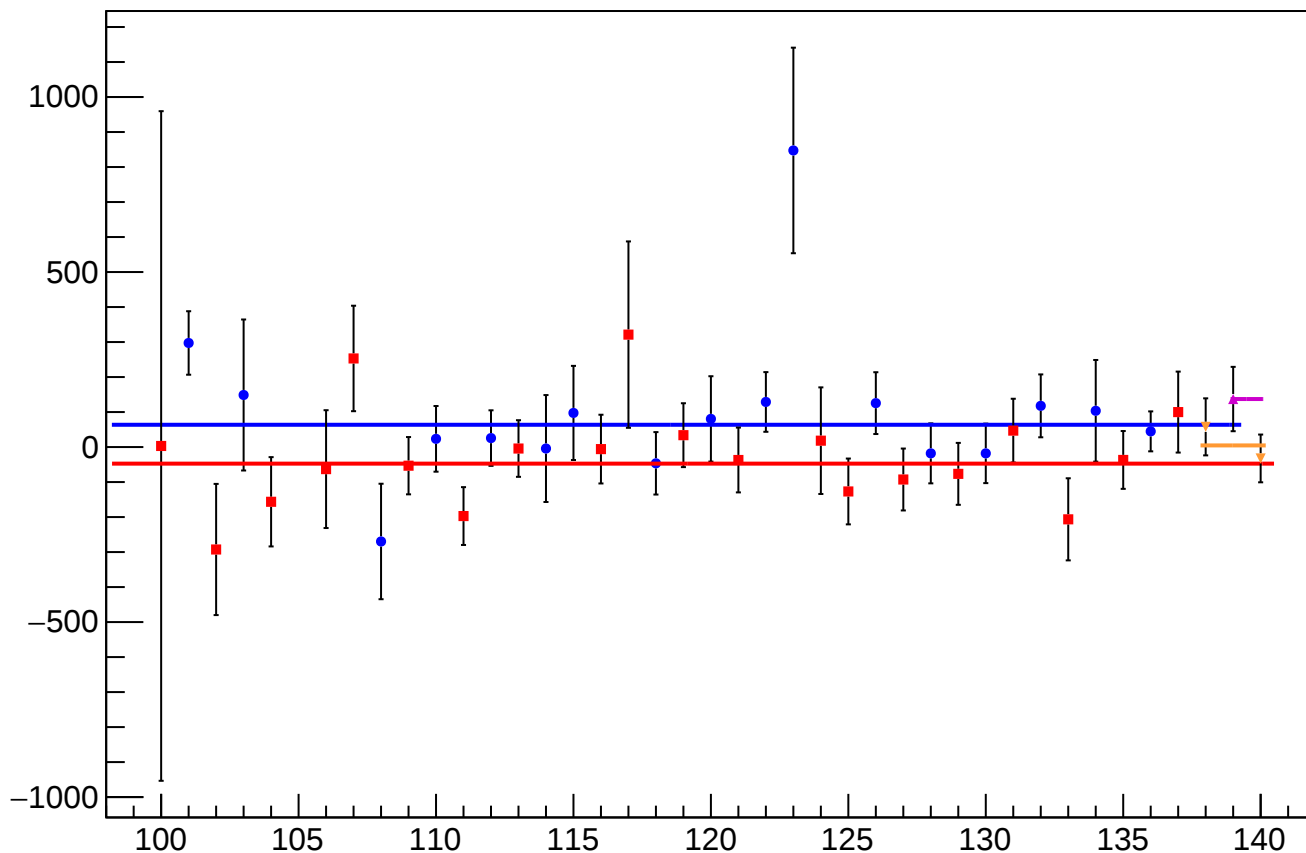
Right Out: 2446.366 ± 0.663 χ^2/NDF : 680413.3/19

Left In: 1702.392 ± 1.413 χ^2/NDF : 0.0/0

1980.320 ± 0.513 χ^2/NDF : 1396020.2/18

2312.279 ± 0.600 χ^2/NDF : 907641.5/20

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 $\chi^2/\text{NDF}: 23.7/16$

Left Out: 4.685 ± 52.304 $\chi^2/\text{NDF}: 0.7/1$

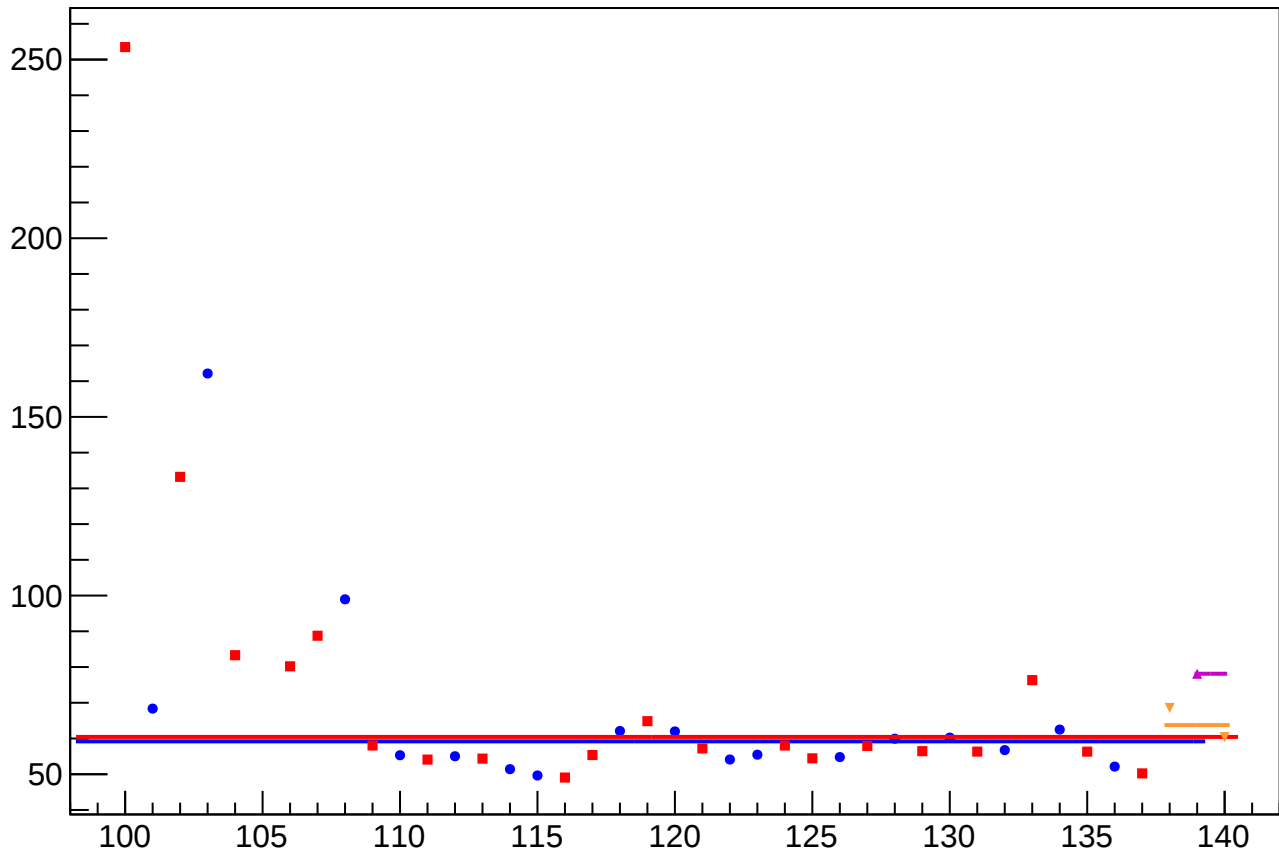
Right Out: -47.367 ± 23.568 $\chi^2/\text{NDF}: 18.7/19$

Left In: 137.194 ± 91.929 $\chi^2/\text{NDF}: 0.0/0$

53.589 ± 21.619 $\chi^2/\text{NDF}: 25.4/18$

-35.985 ± 22.830 $\chi^2/\text{NDF}: 22.5/20$

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 63.752+/-0.037 χ^2/NDF : 11833.3/1

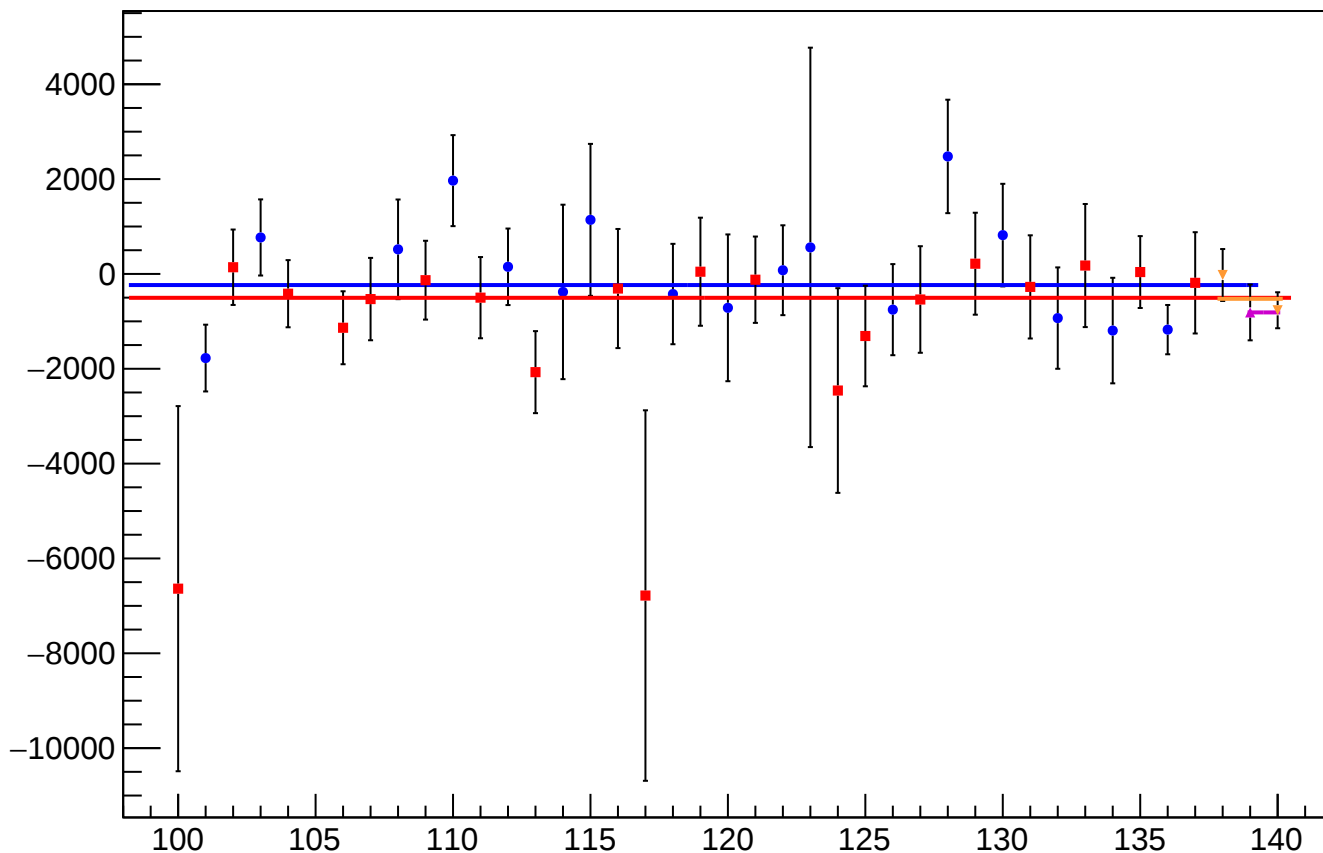
Right Out: 60.443+/-0.017 χ^2/NDF : 680790.3/19

Left In: 78.121+/-0.065 χ^2/NDF : 0.0/0

59.978+/-0.015 χ^2/NDF : 689861.9/18

61.533+/-0.016 χ^2/NDF : 750186.7/20

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492+/-233.880 χ^2 /NDF: 24.2/16

Left Out: -524.750+/-311.813 χ^2 /NDF:1.2/1

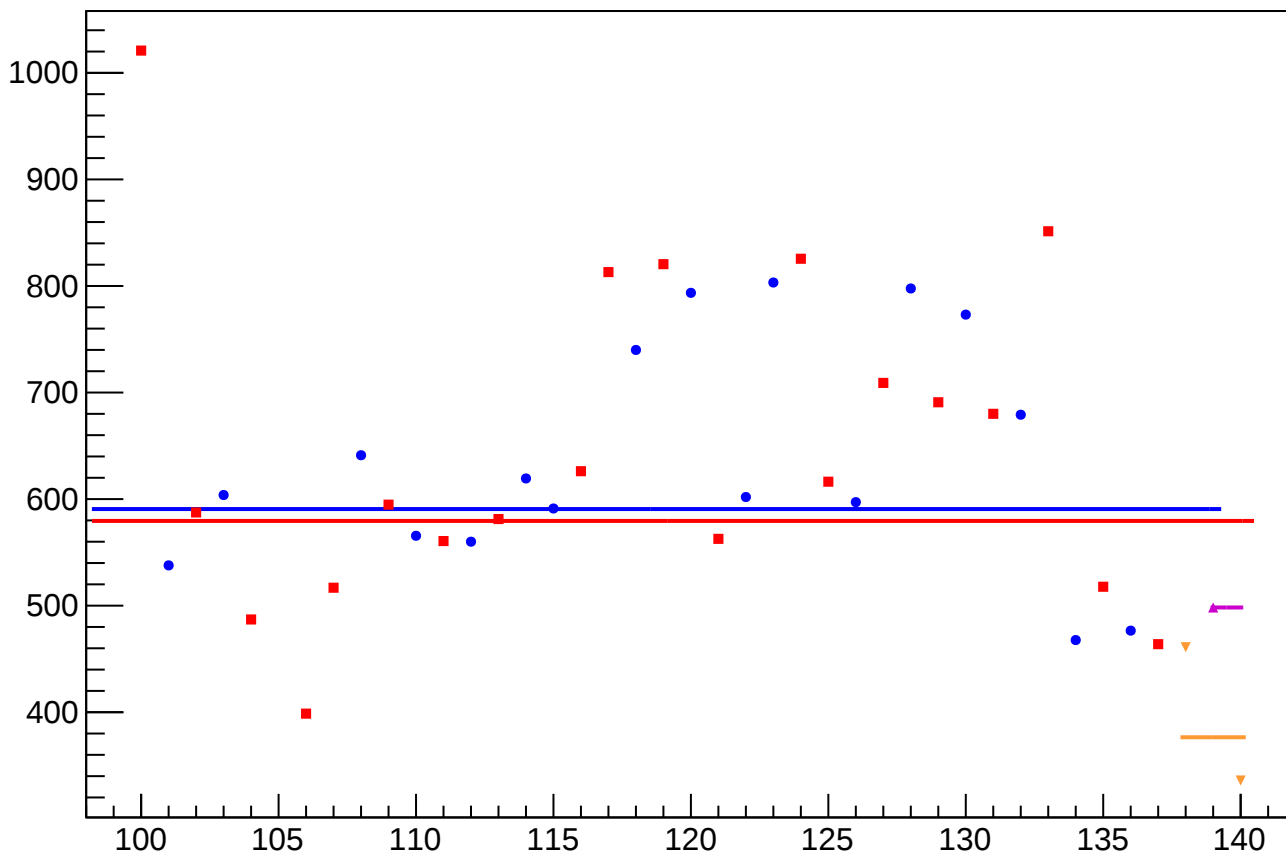
Right Out: -503.638+/-221.955 χ^2 /NDF: 13.2/19

Left In: -811.620+/-588.693 χ^2 /NDF:0.0/0

-338.996+/-187.098 χ^2 /NDF: 26.0/18

-541.969+/-207.684 χ^2 /NDF: 13.4/20

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 376.491+/-0.220 χ^2/NDF : 70543.5/1

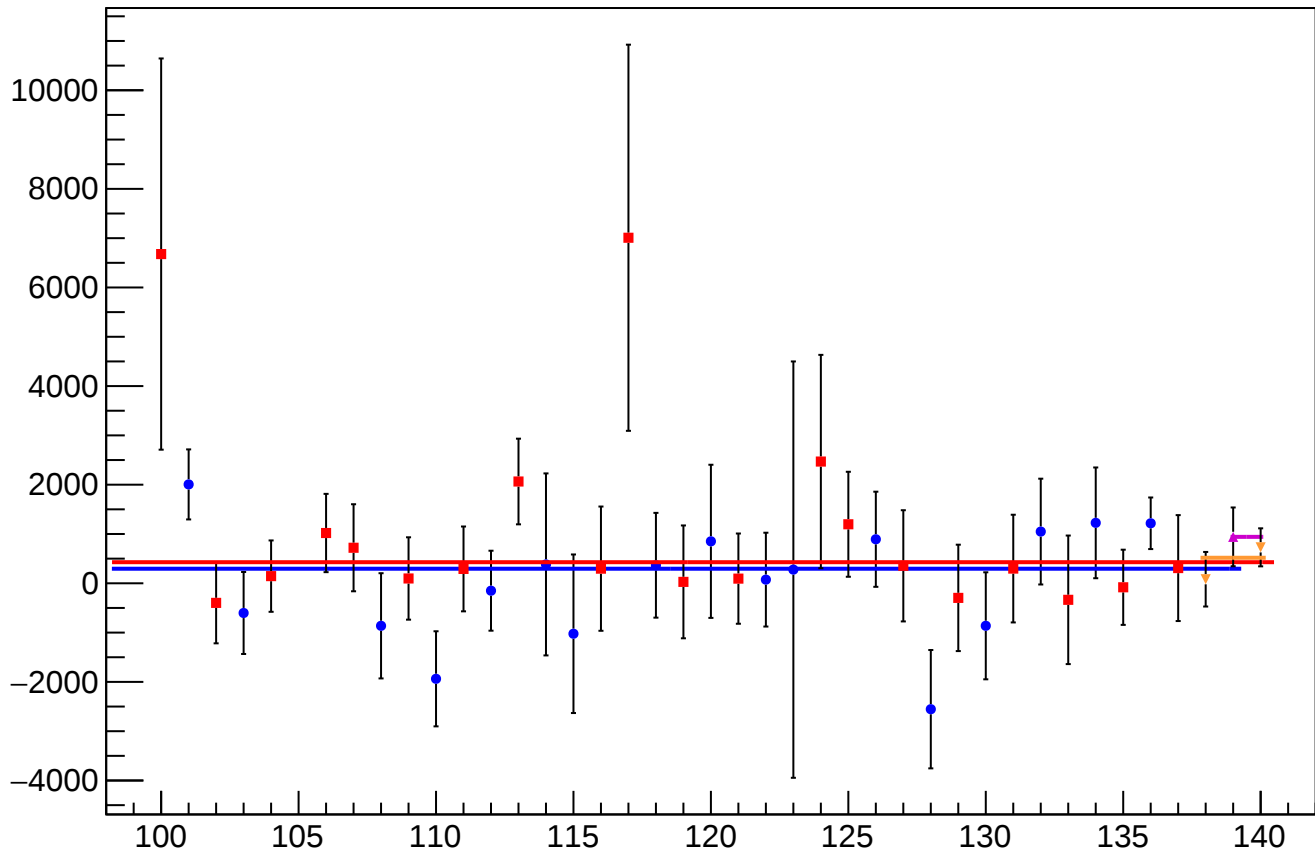
Right Out: 579.509+/-0.157 χ^2/NDF : 501132.1/19

Left In: 498.282+/-0.416 χ^2/NDF : 0.0/0

513.550+/-0.132 χ^2/NDF : 1026440.7/18

569.399+/-0.147 χ^2/NDF : 534469.3/20

asym_sam_37_dd_mean vs Slug



Right In: 295.401 ± 235.860 χ^2/NDF : 26.1/16

Left Out: 517.905 ± 316.391 χ^2/NDF : 0.9/1

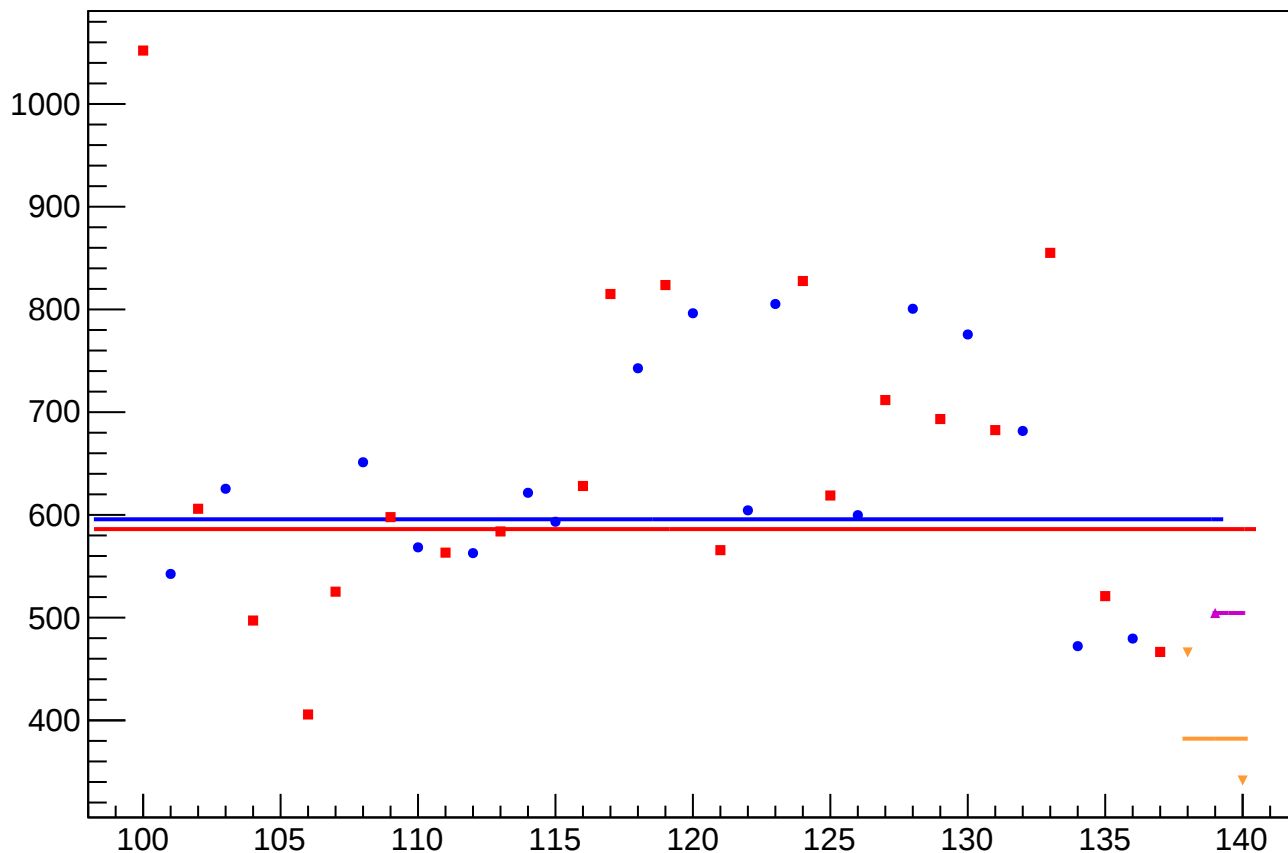
Right Out: 427.853 ± 224.485 χ^2/NDF : 13.8/19

Left In: 941.814 ± 595.945 χ^2/NDF : 0.0/0

374.883 ± 189.099 χ^2/NDF : 27.3/18

491.719 ± 210.075 χ^2/NDF : 14.5/20

asym_sam_37_dd_rms vs Slug



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 382.177+/-0.224 χ^2/NDF : 68316.4/1

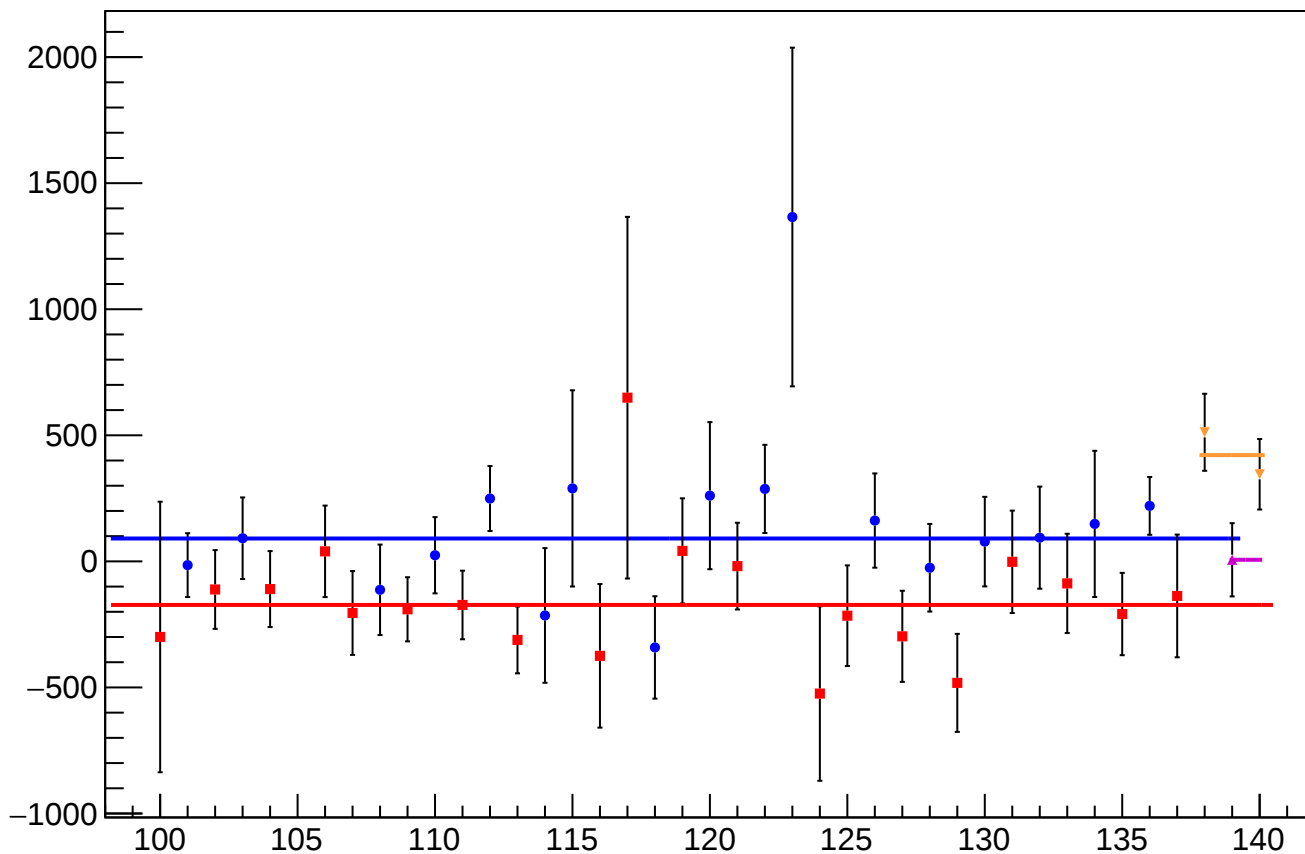
Right Out: 586.176+/-0.159 χ^2/NDF : 481325.4/19

Left In: 504.497+/-0.421 χ^2/NDF : 0.0/0

519.448+/-0.134 χ^2/NDF : 1004073.5/18

576.026+/-0.149 χ^2/NDF : 514226.3/20

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 421.386+/-103.154 χ^2/NDF : 0.6/1

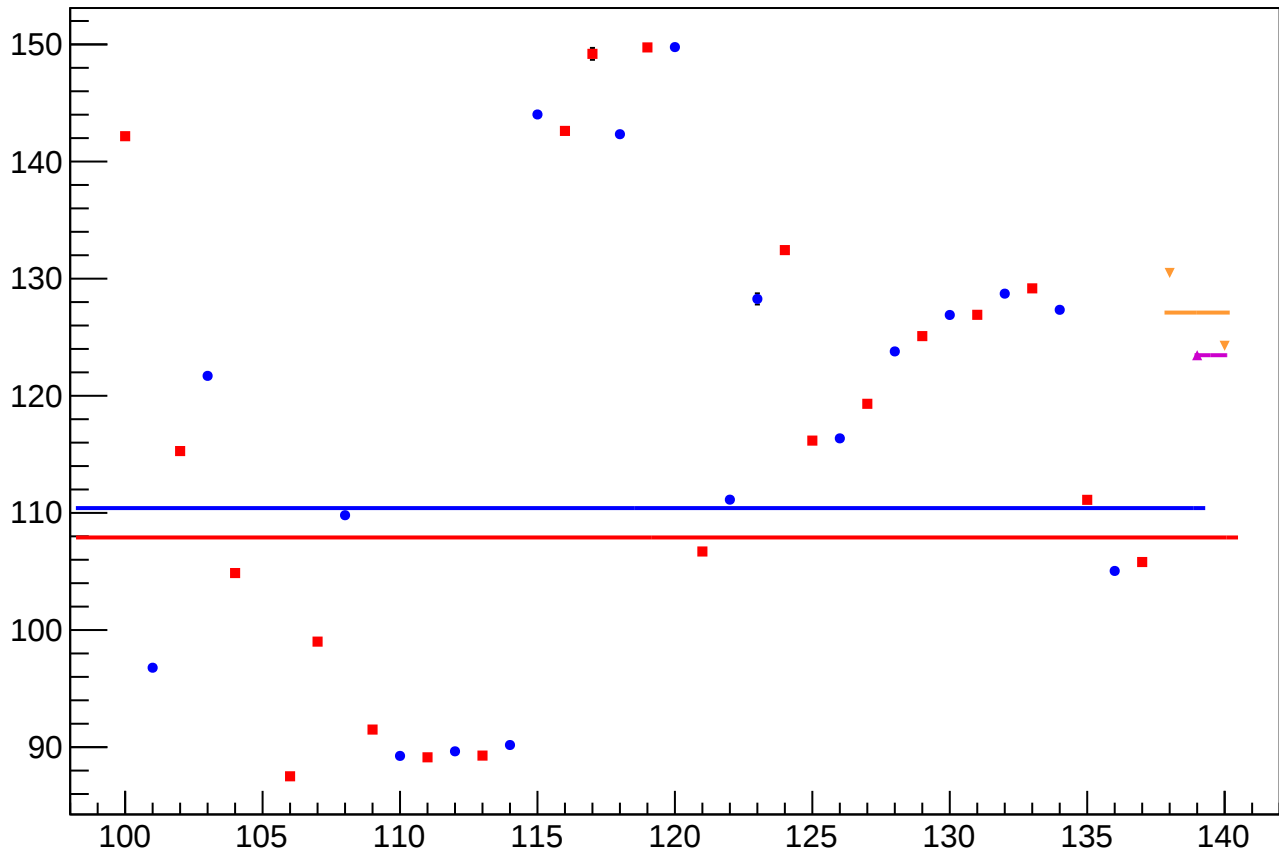
Right Out: -172.786+/-41.033 χ^2/NDF : 11.6/19

Left In: 6.287+/-145.246 χ^2/NDF : 0.0/0

140.271+/-39.935 χ^2/NDF : 26.3/18

-159.550+/-39.488 χ^2/NDF : 13.0/20

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 127.105+/-0.073 χ^2/NDF :1803.1/1

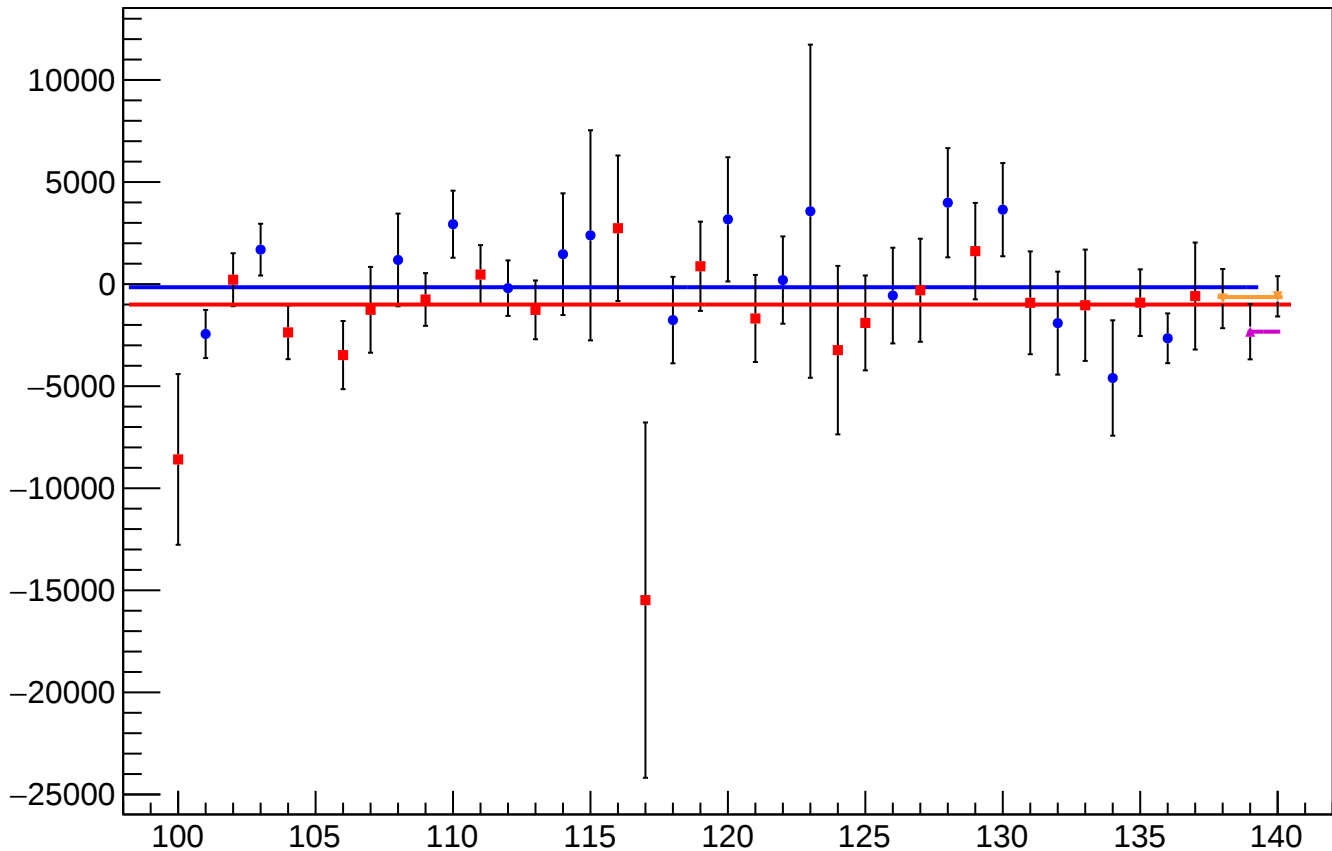
Right Out: 107.903+/-0.029 χ^2/NDF : 351091.4/19

Left In: 123.464+/-0.103 χ^2/NDF :0.0/0

112.913+/-0.028 χ^2/NDF : 342755.8/18

109.054+/-0.028 χ^2/NDF : 372350.9/20

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -634.012+/-815.692 χ^2/NDF : 0.0/1

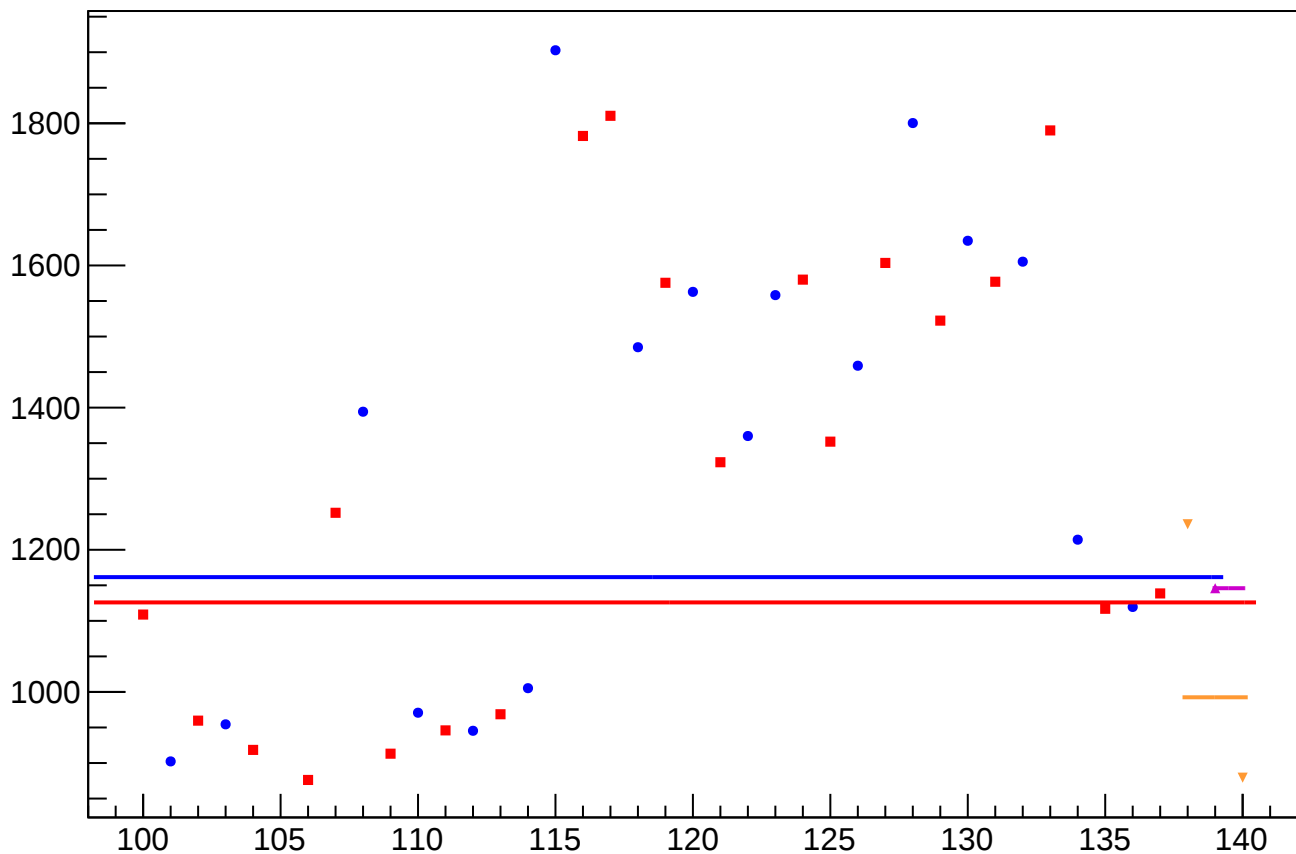
Right Out: -1000.907+/-434.569 χ^2/NDF : 15.1/19

Left In: -2329.480+/-1356.482 χ^2/NDF : 0.0/0

-270.433+/-403.807 χ^2/NDF : 24.9/18

-1124.571+/-413.850 χ^2/NDF : 15.9/20

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 992.470+/-0.577 χ^2/NDF : 82741.8/1

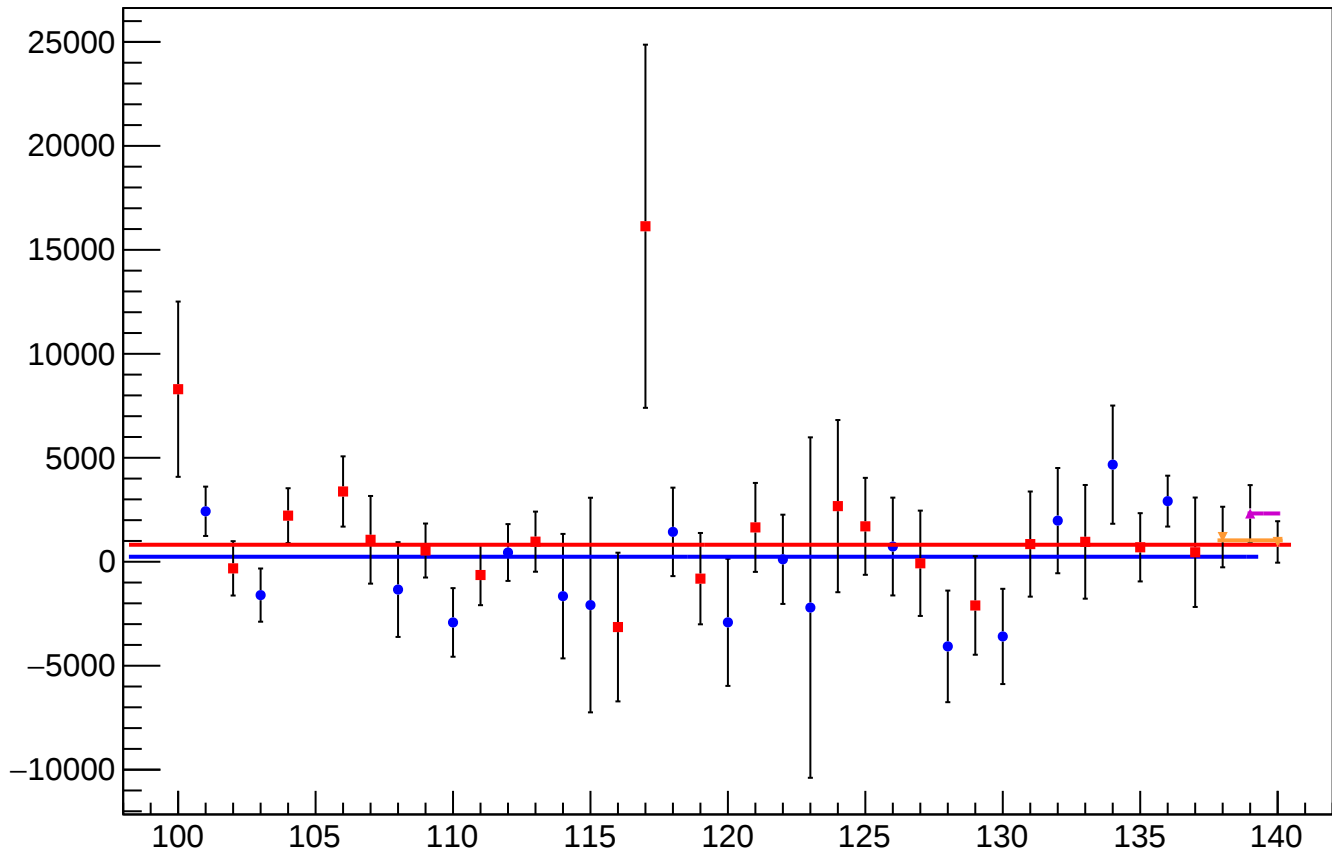
Right Out: 1125.946+/-0.307 χ^2/NDF : 780195.3/19

Left In: 1145.936+/-0.959 χ^2/NDF : 0.0/0

1120.098+/-0.286 χ^2/NDF : 843506.9/18

1127.806+/-0.293 χ^2/NDF : 780589.2/20

asym_sam_48_dd_mean vs Slug



Right In: 240.732 ± 467.036 χ^2/NDF : 24.8/16

Left Out: 1028.026 ± 822.829 χ^2/NDF : 0.0/1

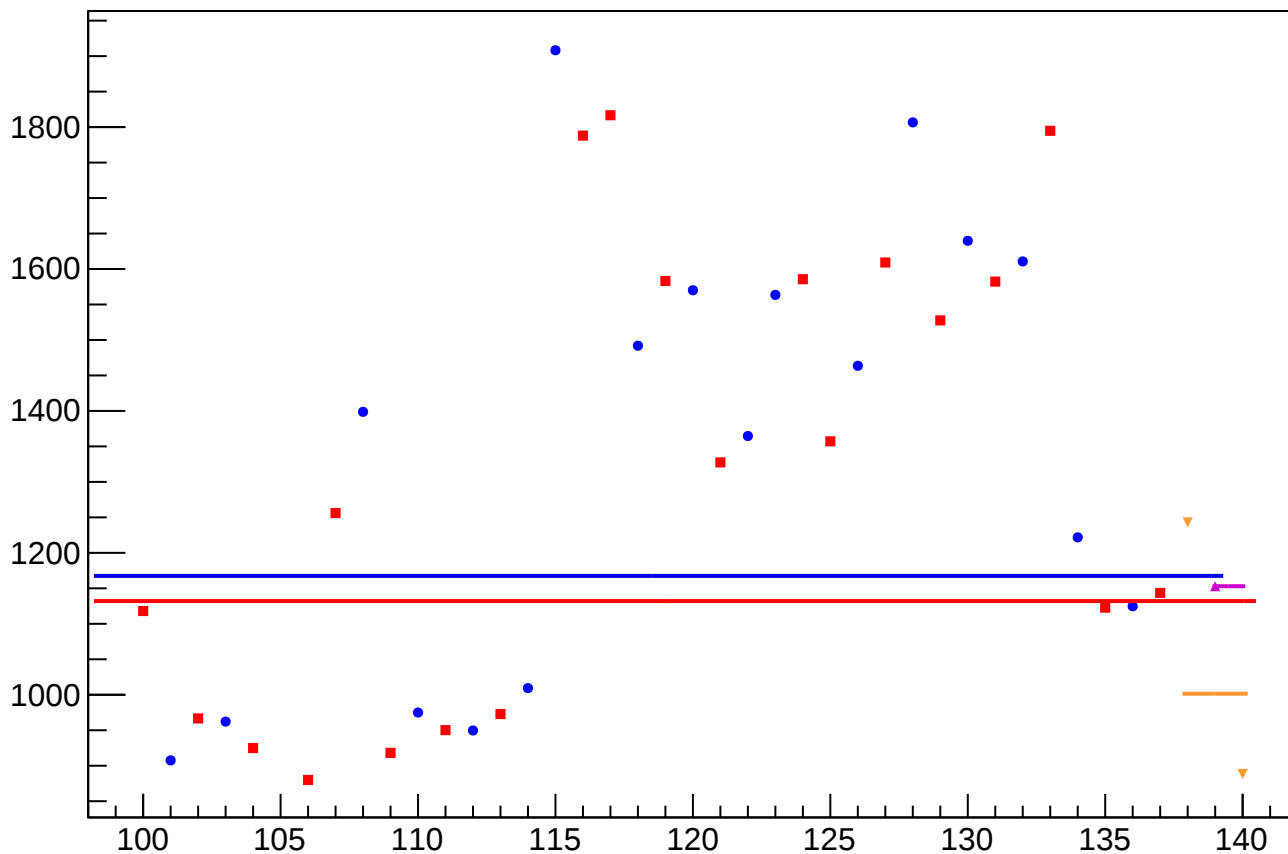
Right Out: 817.635 ± 436.939 χ^2/NDF : 15.4/19

Left In: 2321.863 ± 1364.608 χ^2/NDF : 0.0/0

432.569 ± 406.169 χ^2/NDF : 25.5/18

957.514 ± 416.128 χ^2/NDF : 16.5/20

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 1001.517 $\pm$ 0.582 χ^2 /NDF: 80683.4/1

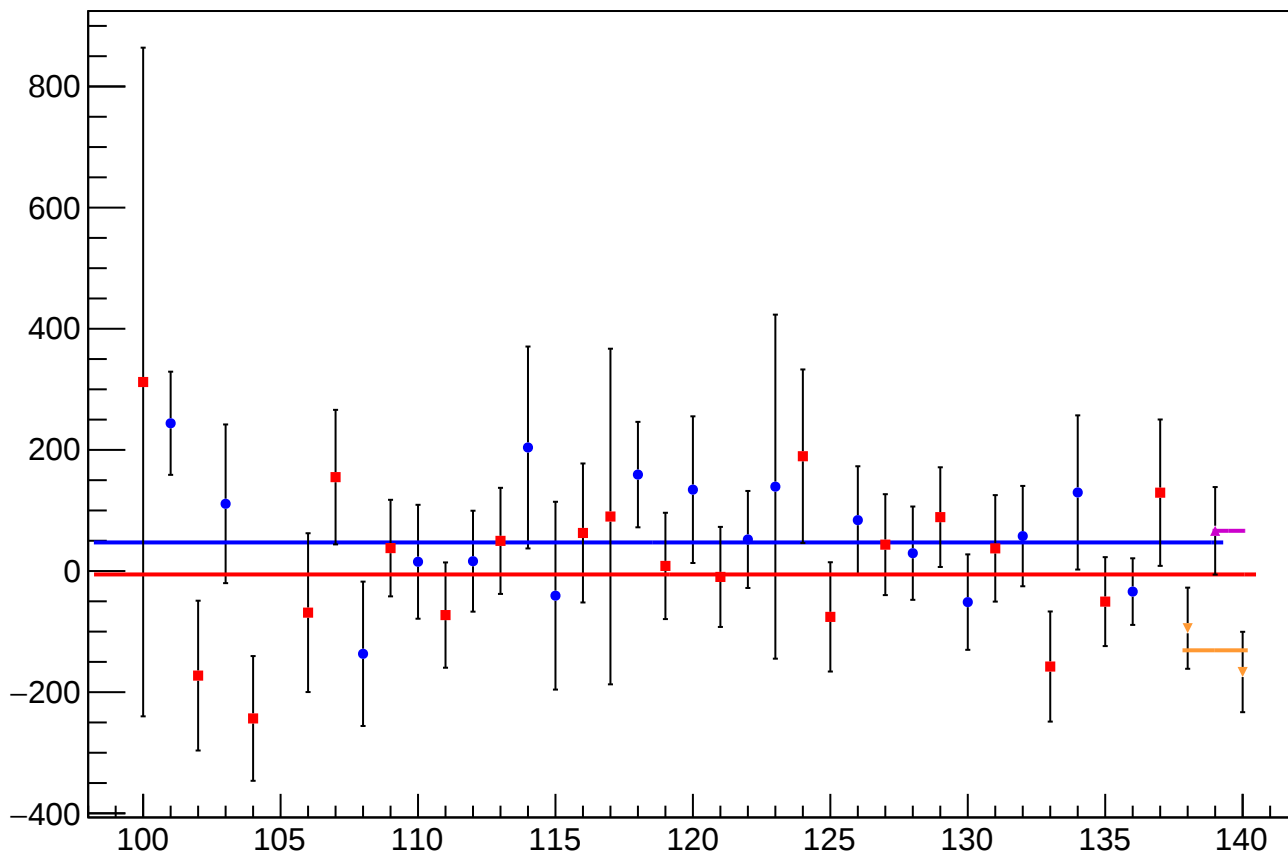
Right Out: 1132.019 $\pm$ 0.309 χ^2 /NDF: 773827.8/19

Left In: 1152.974 $\pm$ 0.965 χ^2 /NDF: 0.0/0

1127.085 $\pm$ 0.287 χ^2 /NDF: 832751.2/18

1133.968 $\pm$ 0.294 χ^2 /NDF: 774255.5/20

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220+/-22.565 χ^2/NDF : 16.1/16

Left Out: -130.880+/-47.145 χ^2/NDF : 0.6/1

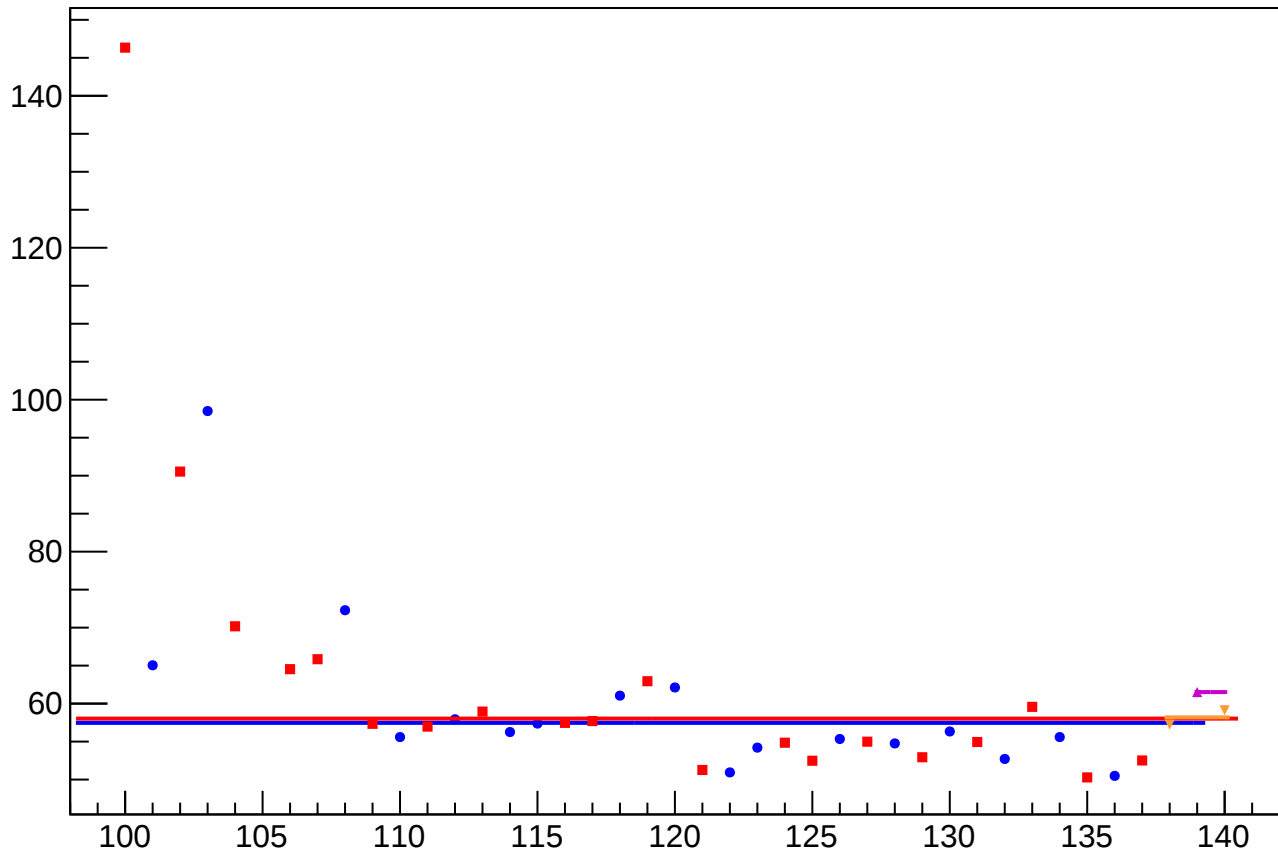
Right Out: -5.636+/-22.057 χ^2/NDF : 20.4/19

Left In: 66.421+/-72.240 χ^2/NDF : 0.0/0

14.025+/-20.354 χ^2/NDF : 28.3/18

0.508+/-21.096 χ^2/NDF : 21.3/20

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 58.187+/-0.033 χ^2/NDF : 800.8/1

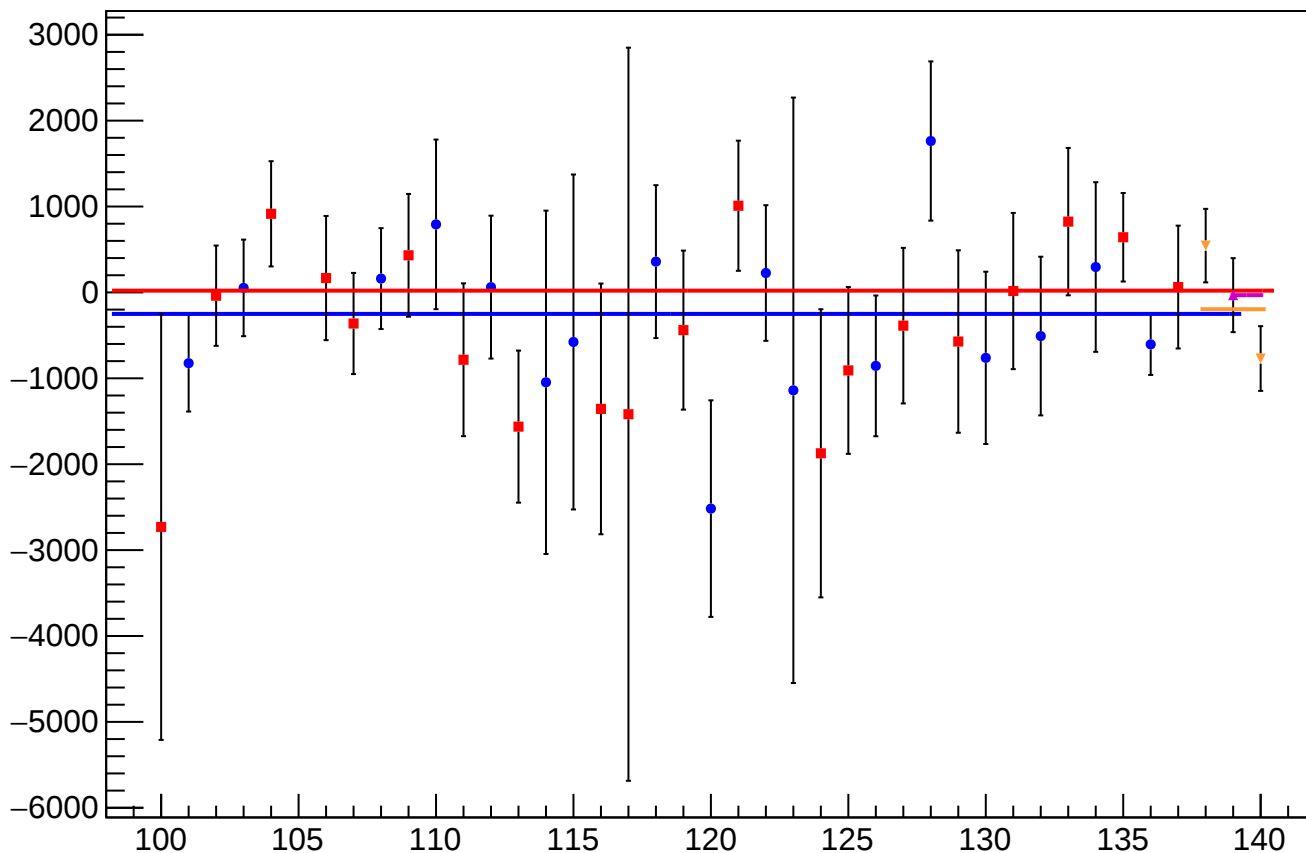
Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

Left In: 61.518+/-0.051 χ^2/NDF : 0.0/0

57.600+/-0.014 χ^2/NDF : 308338.3/18

58.323+/-0.015 χ^2/NDF : 305067.8/20

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140+/-184.092 χ^2/NDF : 14.3/16

Left Out: -195.513+/-282.751 χ^2/NDF : 5.3/1

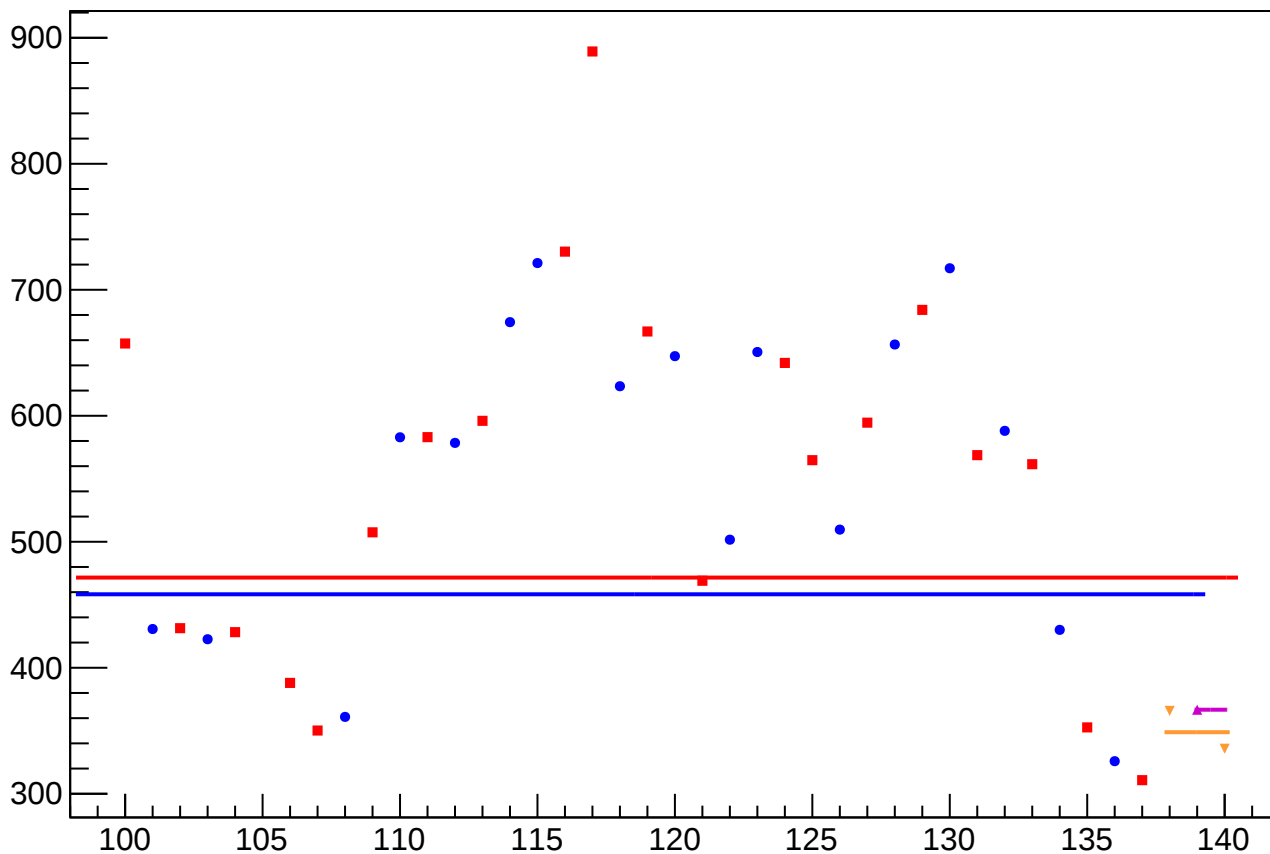
Right Out: 20.701+/-181.669 χ^2/NDF : 16.2/19

Left In: -31.804+/-430.764 χ^2/NDF : 0.0/0

-233.877+/-154.275 χ^2/NDF : 19.6/18

12.773+/-167.392 χ^2/NDF : 16.2/20

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 348.857+/-0.200 χ^2/NDF : 5556.5/1

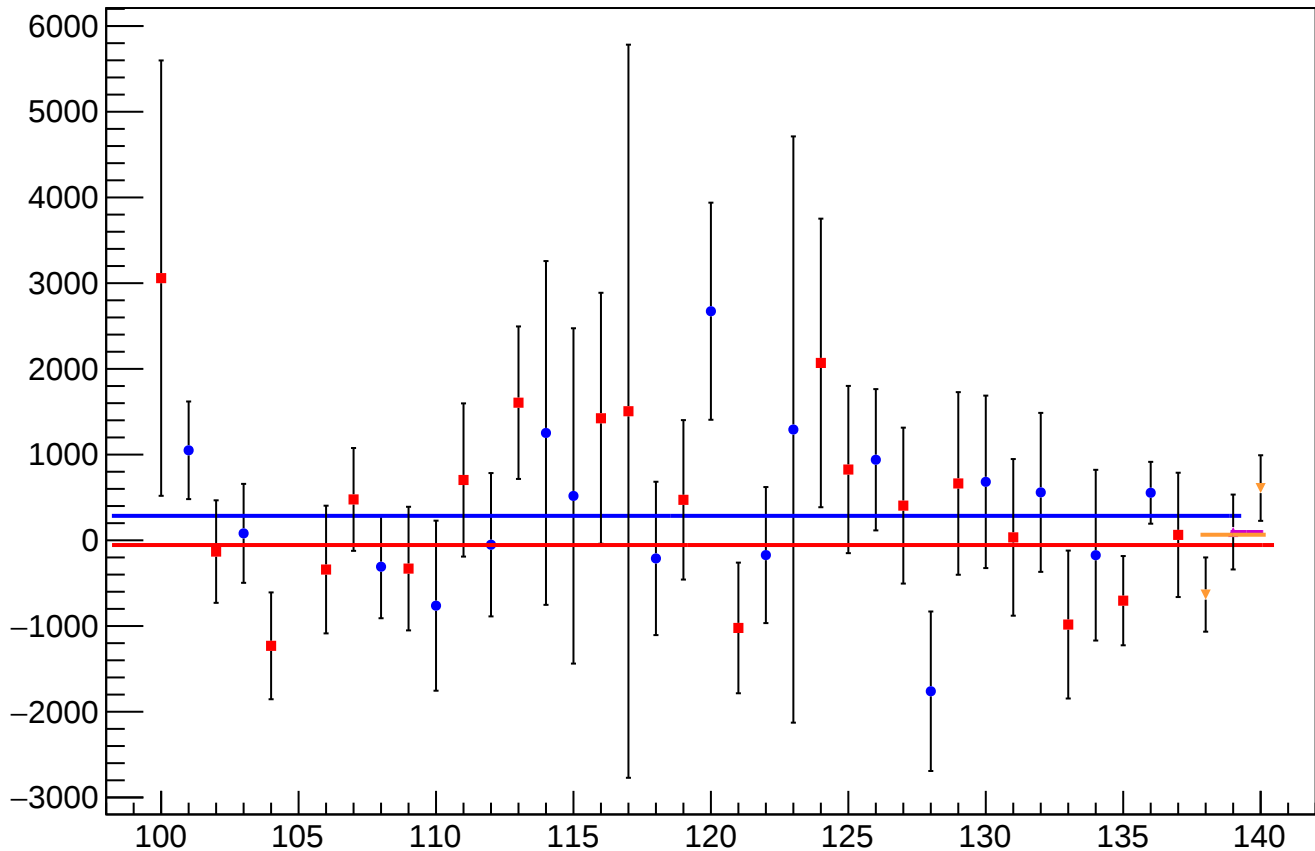
Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

Left In: 366.714+/-0.305 χ^2/NDF : 0.0/0

425.736+/-0.109 χ^2/NDF : 1093286.1/18

455.749+/-0.118 χ^2/NDF : 898456.6/20

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349+/-186.262 χ^2/NDF : 15.2/16

Left Out: 65.005+/-286.764 χ^2/NDF : 4.6/1

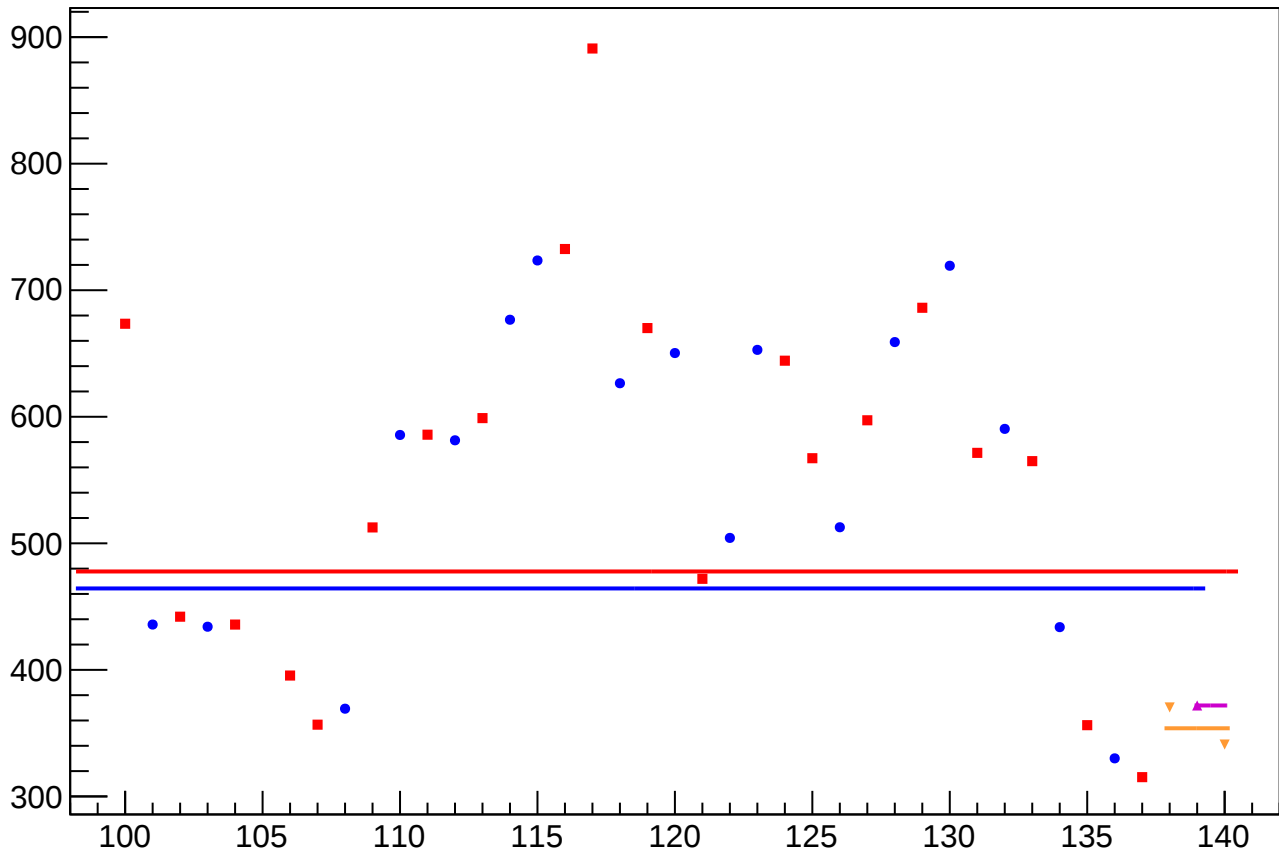
Right Out: -55.109+/-183.903 χ^2/NDF : 19.3/19

Left In: 96.767+/-436.804 χ^2/NDF : 0.0/0

219.971+/-156.204 χ^2/NDF : 20.2/18

-32.241+/-169.494 χ^2/NDF : 19.4/20

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 353.845+/-0.203 χ^2/NDF : 5148.4/1

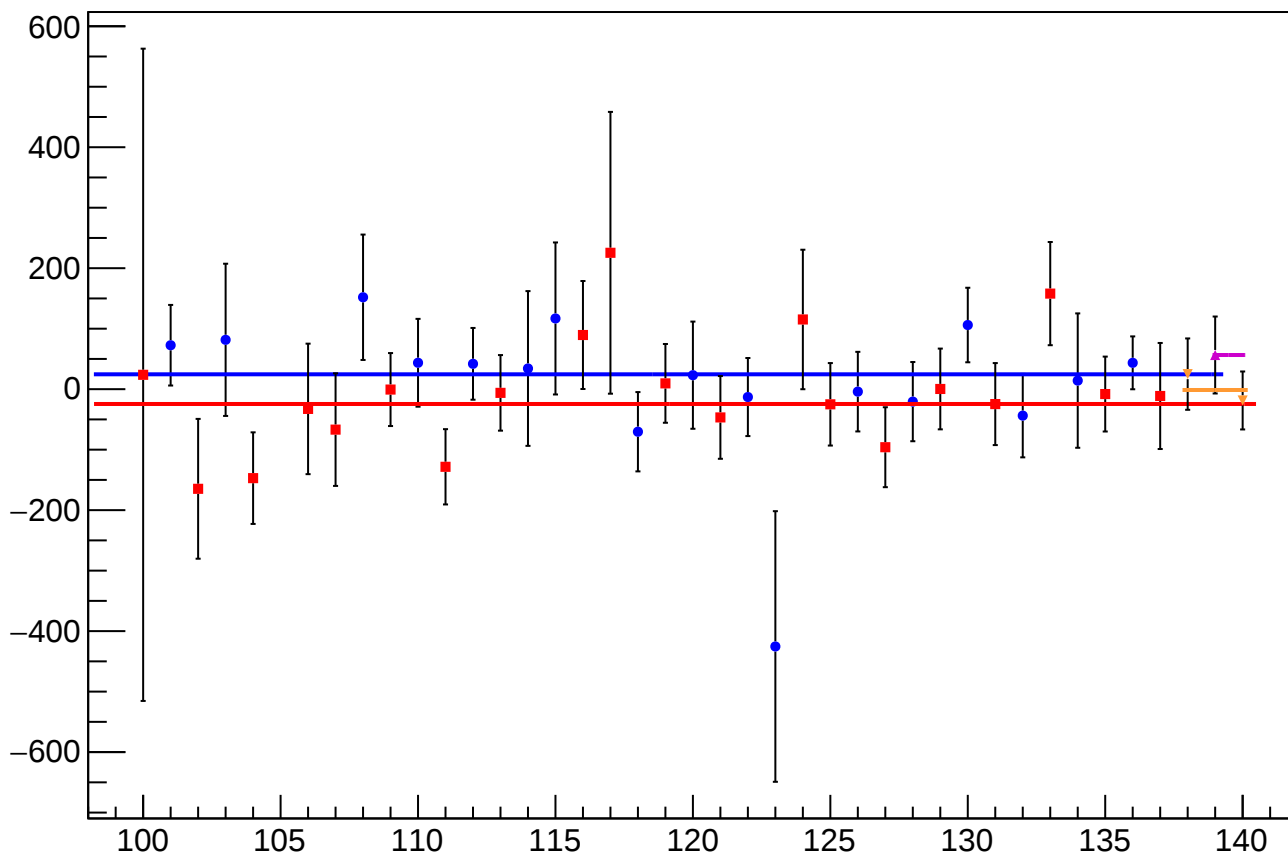
Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

Left In: 371.864+/-0.309 χ^2/NDF : 0.0/0

431.556+/-0.110 χ^2/NDF : 1059883.8/18

461.811+/-0.120 χ^2/NDF : 867879.4/20

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -1.363+/-37.193 χ^2/NDF : 0.3/1

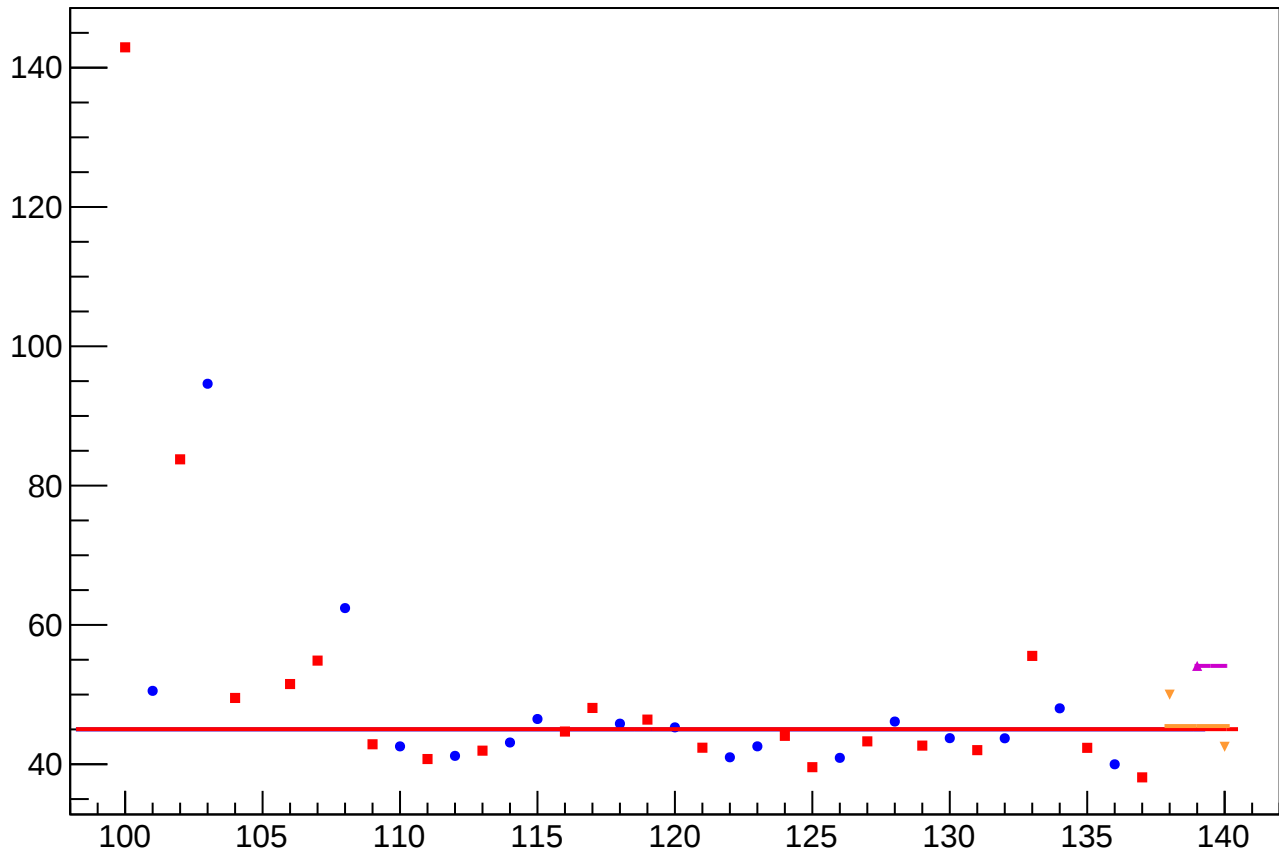
Right Out: -24.491+/-17.338 χ^2/NDF : 18.0/19

Left In: 56.487+/-63.619 χ^2/NDF : 0.0/0

19.732+/-16.085 χ^2/NDF : 13.7/18

-18.892+/-16.728 χ^2/NDF : 19.5/20

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 45.479 $\pm$ 0.026 χ^2 /NDF: 19396.6/1

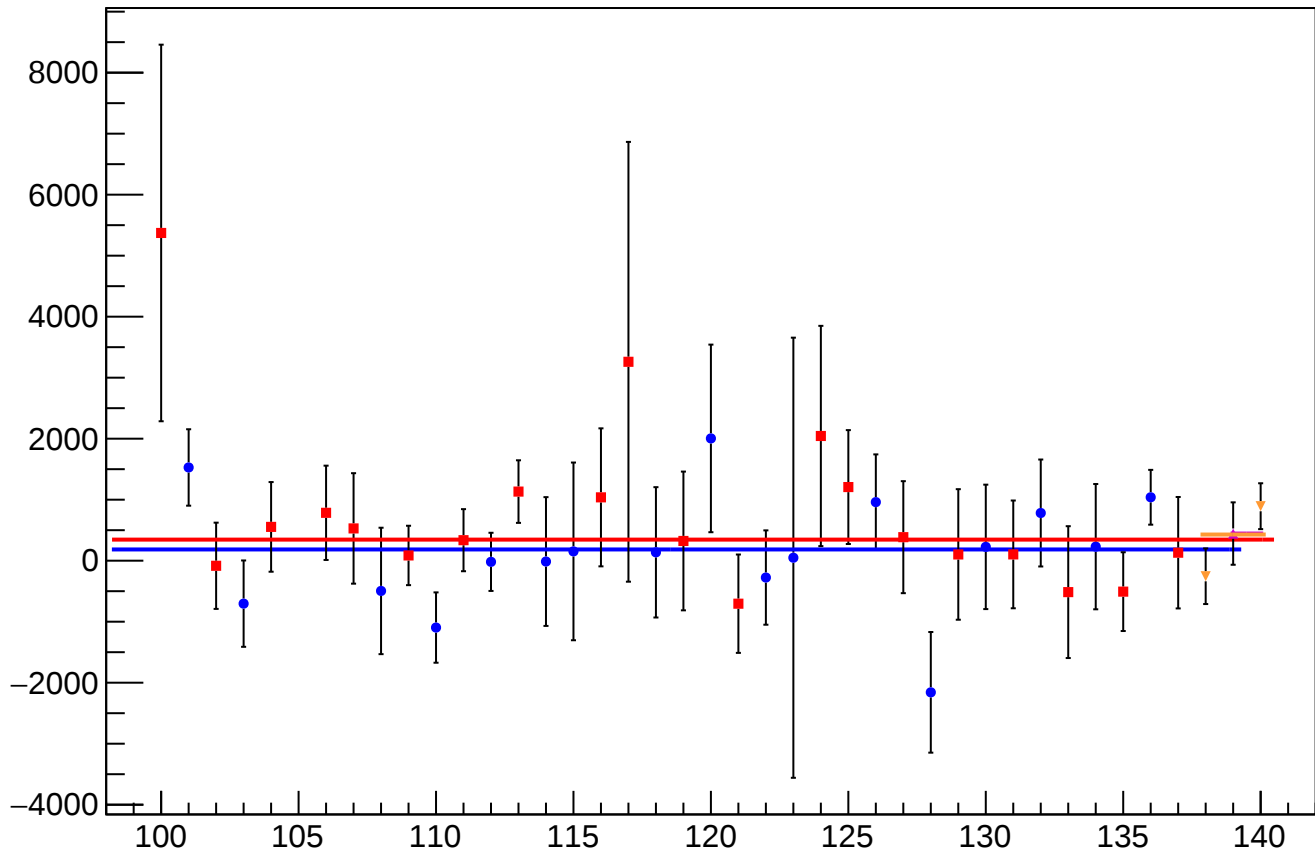
Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

Left In: 54.119 $\pm$ 0.045 χ^2 /NDF: 0.0/0

45.091 $\pm$ 0.011 χ^2 /NDF: 458017.5/18

45.662 $\pm$ 0.012 χ^2 /NDF: 453818.3/20

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184+/-188.558 χ^2/NDF : 24.2/16

Left Out: 428.661+/-289.994 χ^2/NDF : 3.8/1

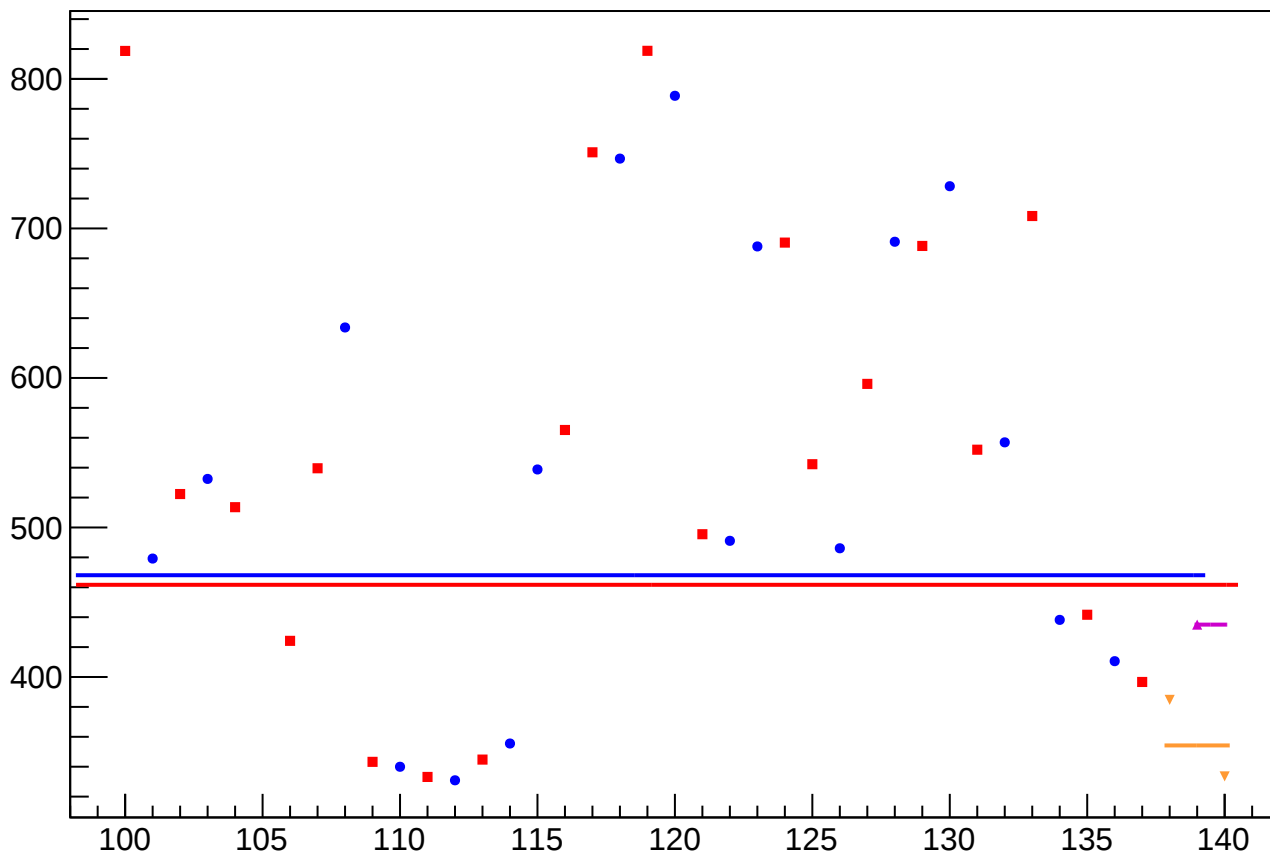
Right Out: 345.548+/-179.160 χ^2/NDF : 13.1/19

Left In: 444.814+/-511.444 χ^2/NDF : 0.0/0

256.830+/-158.080 χ^2/NDF : 28.5/18

356.398+/-169.085 χ^2/NDF : 13.2/20

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 354.229+/-0.205 χ^2/NDF :15008.8/1

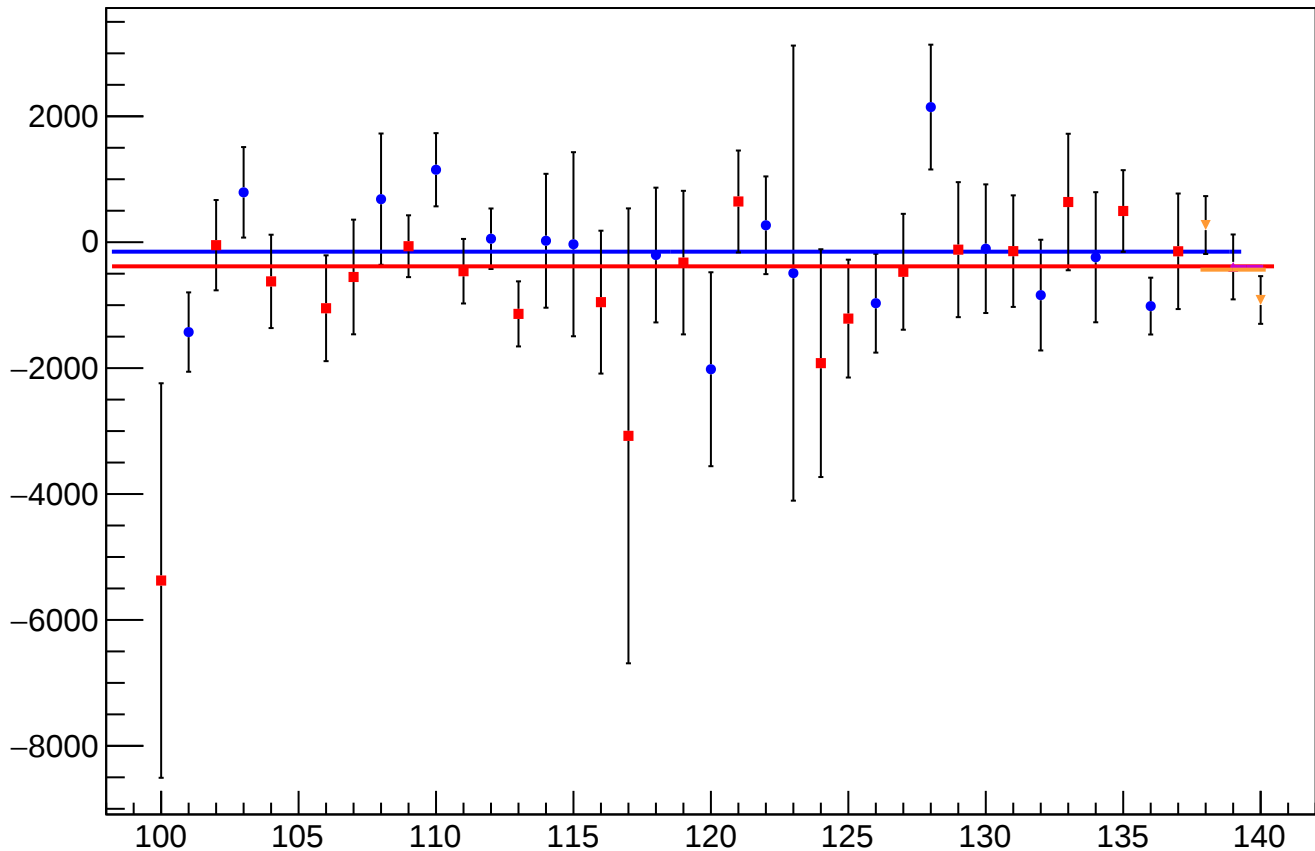
Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

Left In: 435.031+/-0.362 χ^2/NDF :0.0/0

434.243+/-0.112 χ^2/NDF : 1111959.9/18

458.746+/-0.120 χ^2/NDF : 972767.1/20

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -436.166+/-292.398 χ^2/NDF : 4.0/1

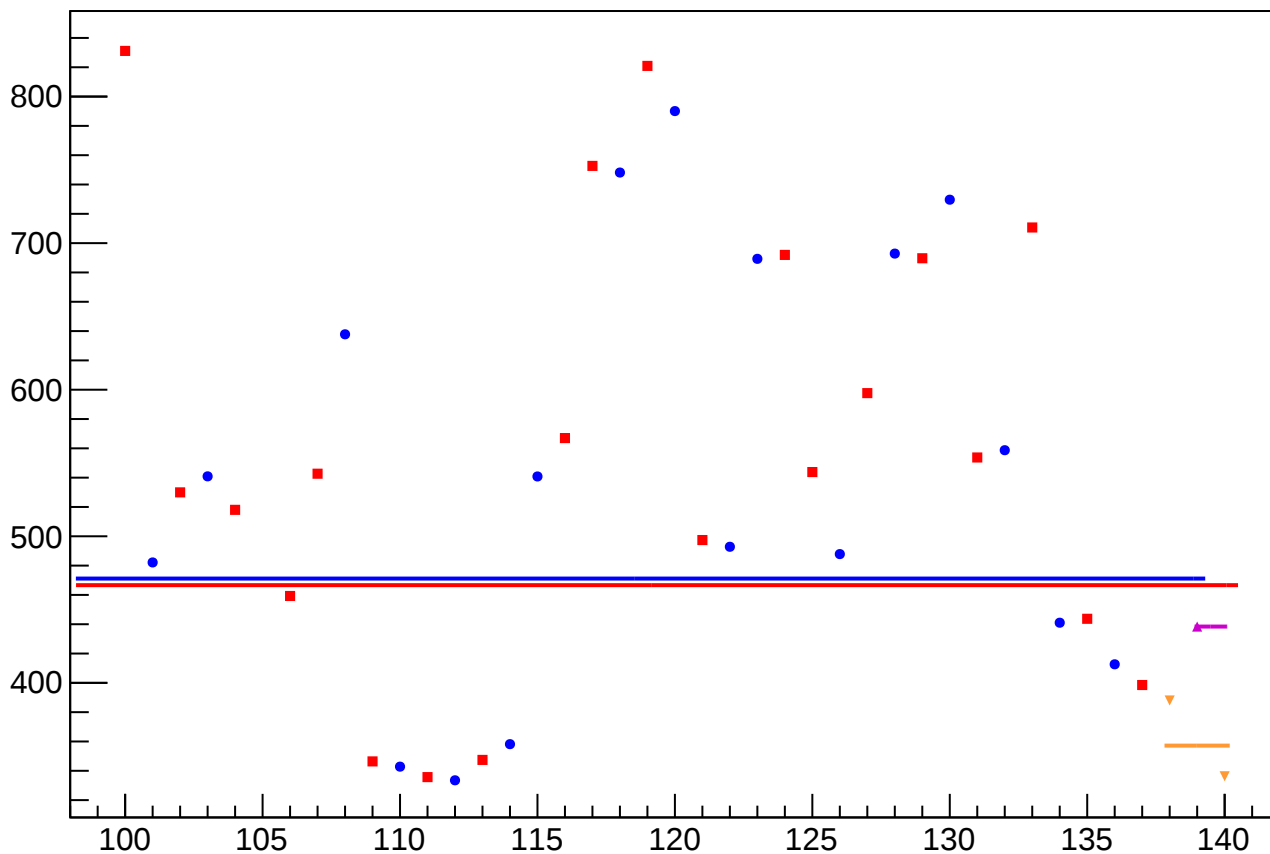
Right Out: -383.331+/-181.030 χ^2/NDF : 13.0/19

Left In: -392.561+/-515.405 χ^2/NDF : 0.0/0

-235.002+/-159.159 χ^2/NDF : 28.9/18

-384.344+/-170.801 χ^2/NDF : 13.0/20

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 357.179+/-0.207 χ^2/NDF :15069.7/1

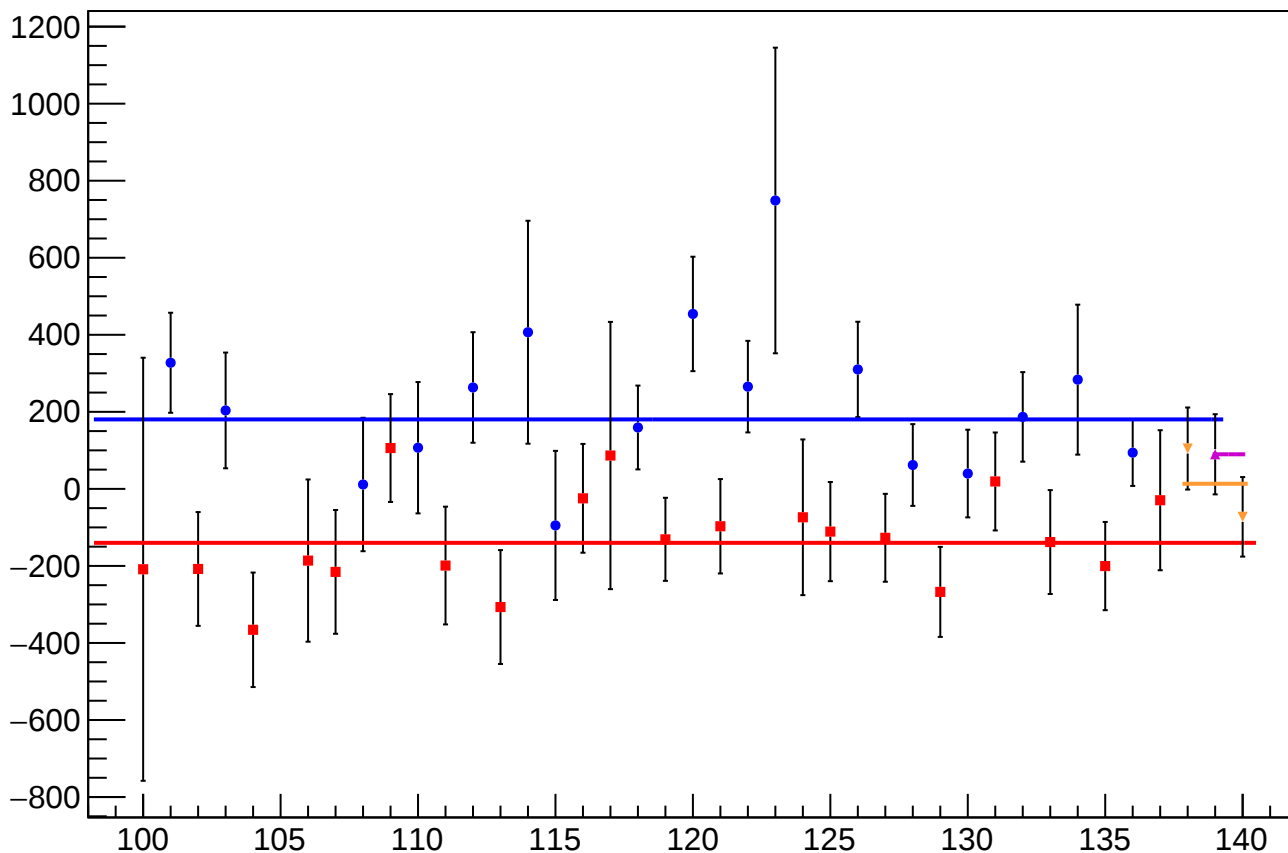
Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

Left In: 438.406+/-0.364 χ^2/NDF :0.0/0

437.386+/-0.113 χ^2/NDF : 1100754.2/18

463.553+/-0.121 χ^2/NDF : 958436.8/20

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 ± 32.769 χ^2/NDF : 16.6/16

Left Out: 13.326 ± 74.133 χ^2/NDF : 1.4/1

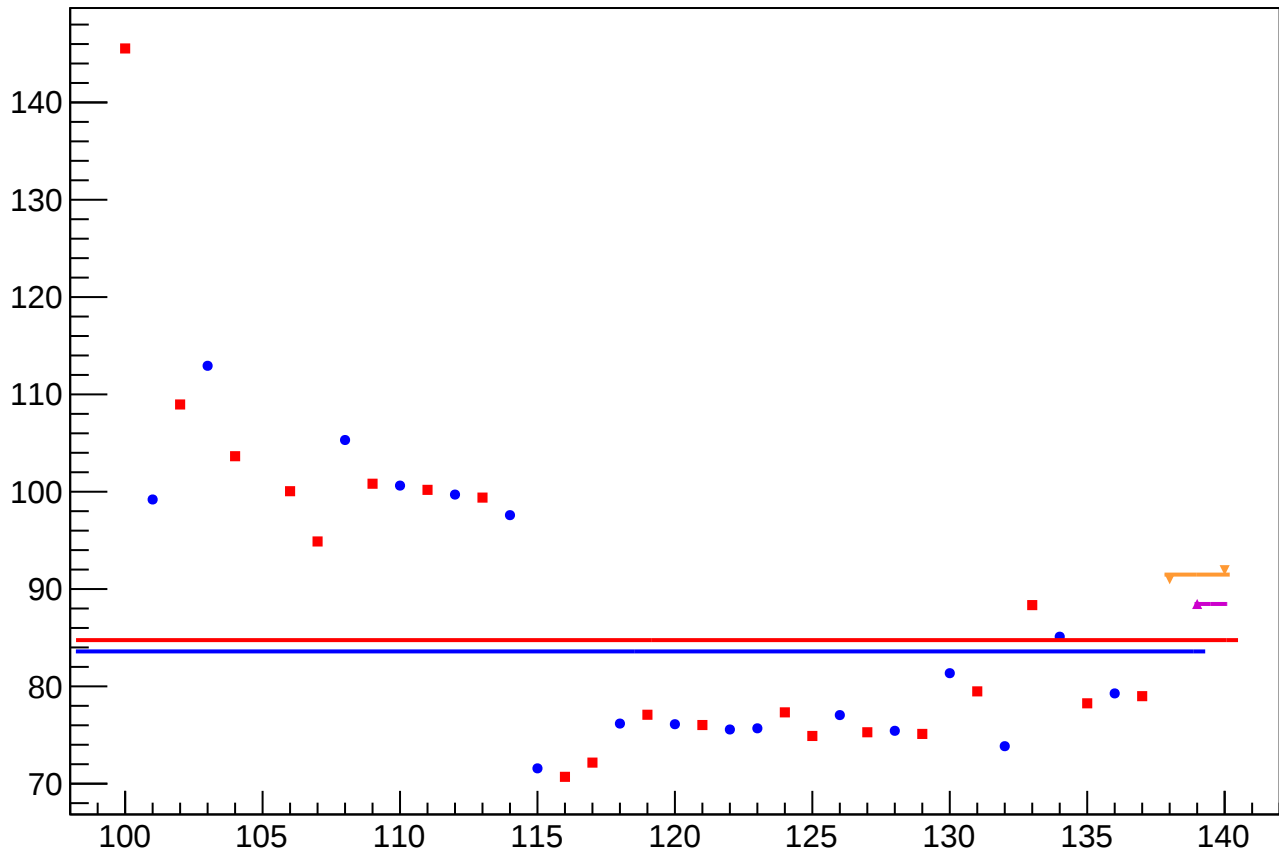
Right Out: -140.070 ± 32.198 χ^2/NDF : 12.1/19

Left In: 89.783 ± 104.039 χ^2/NDF : 0.0/0

153.029 ± 29.972 χ^2/NDF : 22.2/18

-119.980 ± 30.759 χ^2/NDF : 16.6/20

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 91.485+/-0.052 χ^2/NDF : 78.4/1

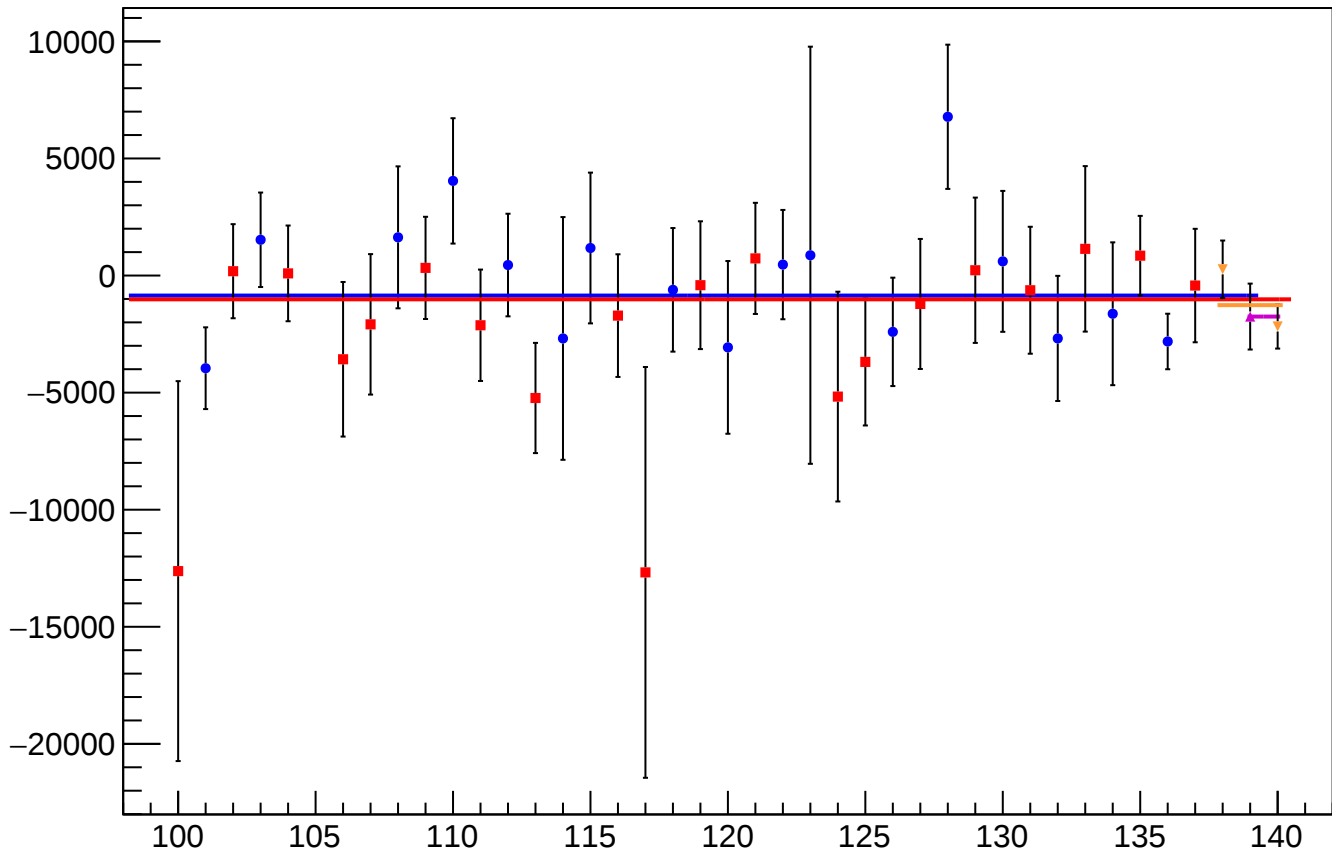
Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

Left In: 88.466+/-0.074 χ^2/NDF : 0.0/0

84.881+/-0.021 χ^2/NDF : 274971.1/18

85.076+/-0.022 χ^2/NDF : 295589.1/20

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -1263.763+/-749.504 χ^2/NDF : 2.5/1

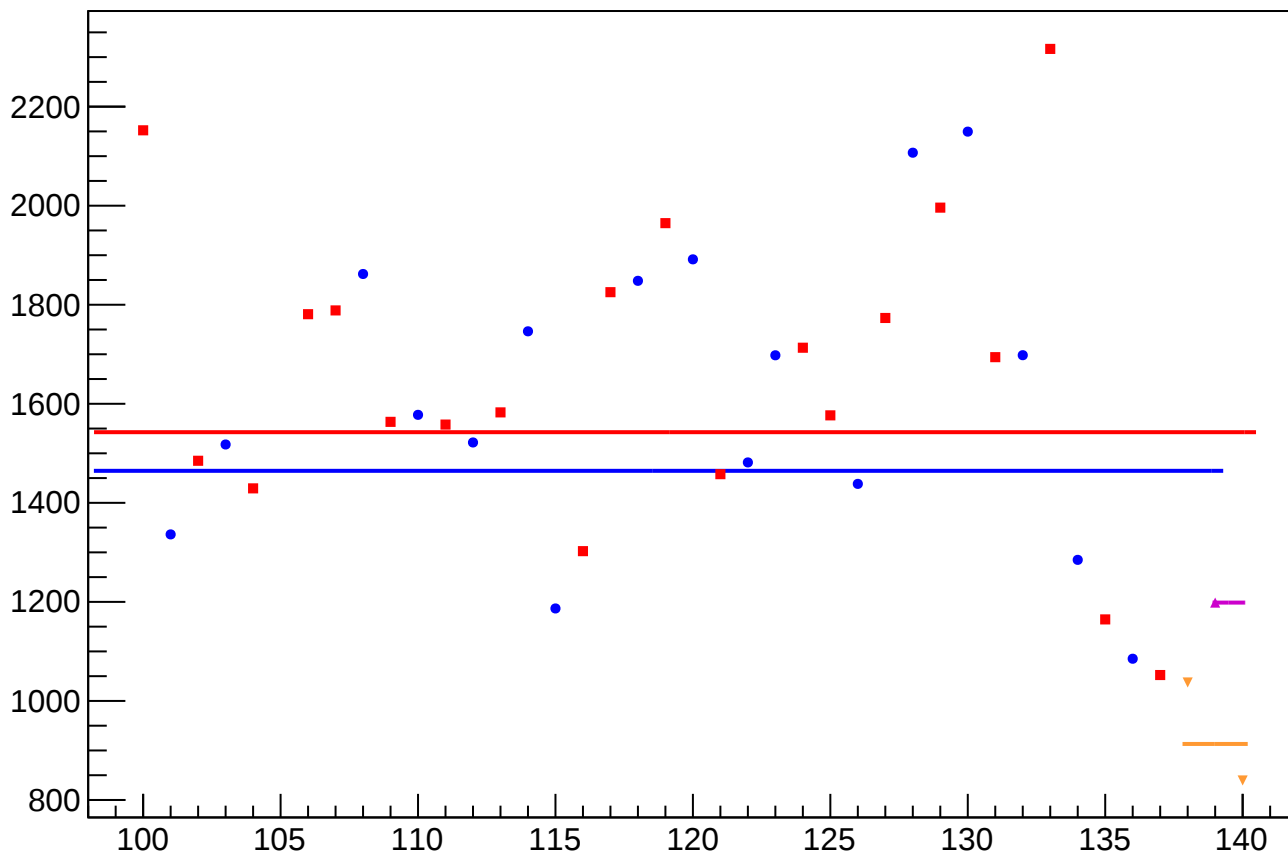
Right Out: -1015.523+/-587.747 χ^2/NDF : 13.3/19

Left In: -1752.098+/-1407.493 χ^2/NDF : 0.0/0

-1009.377+/-460.320 χ^2/NDF : 22.9/18

-1124.893+/-542.359 χ^2/NDF : 13.5/20

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 913.141 $\pm$ 0.530 χ^2 /NDF: 32583.5/1

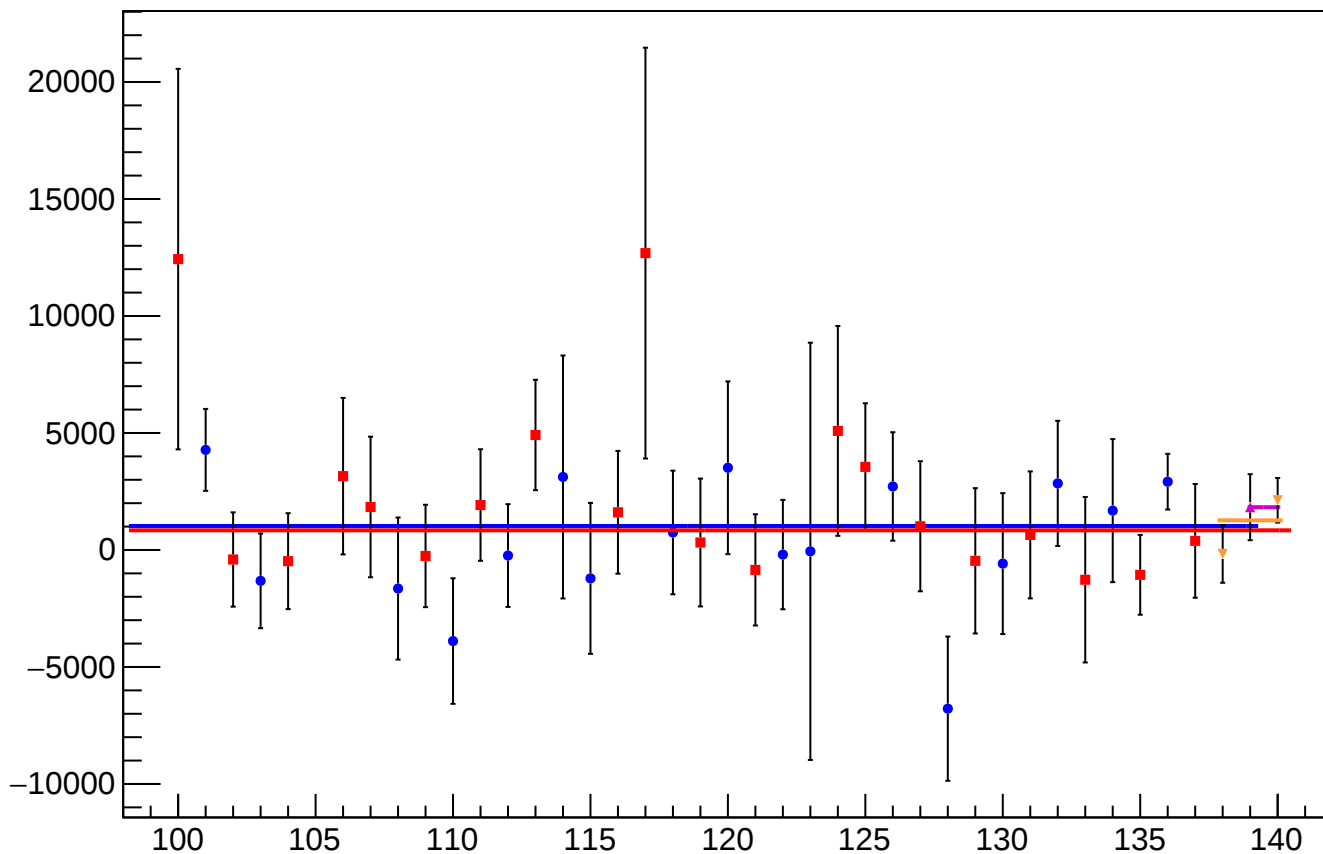
Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

Left In: 1198.573 $\pm$ 0.995 χ^2 /NDF: 0.0/0

1256.613 $\pm$ 0.325 χ^2 /NDF: 1267841.9/18

1491.571 $\pm$ 0.384 χ^2 /NDF: 557580.2/20

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527+/-584.500 χ^2/NDF : 20.9/16

Left Out: 1267.040+/-753.511 χ^2/NDF : 2.2/1

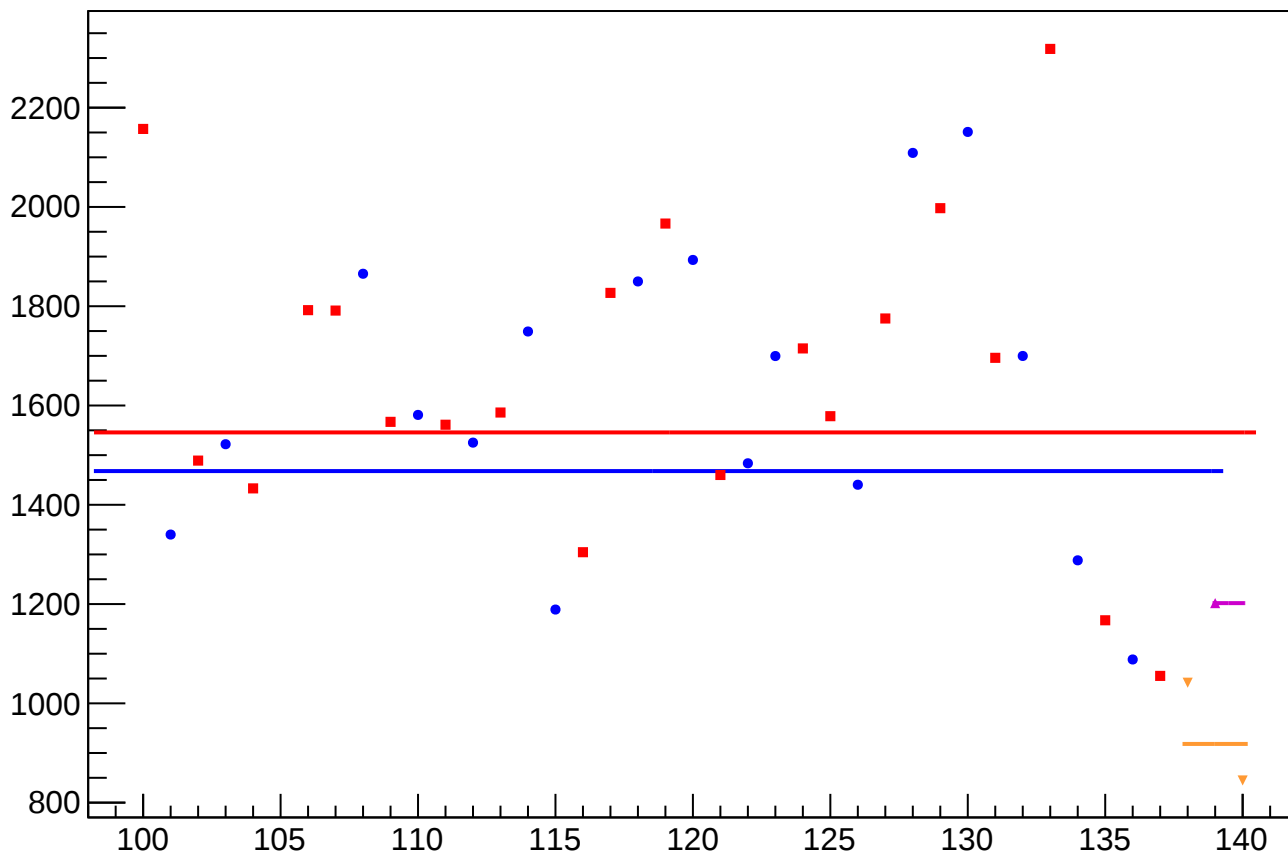
Right Out: 840.586+/-589.057 χ^2/NDF : 13.0/19

Left In: 1829.119+/-1411.400 χ^2/NDF : 0.0/0

1116.256+/-461.840 χ^2/NDF : 23.2/18

987.232+/-543.612 χ^2/NDF : 13.4/20

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 ± 0.413 $\chi^2/\text{NDF}: 557458.9/16$

Left Out: 918.233 ± 0.533 $\chi^2/\text{NDF}: 31970.8/1$

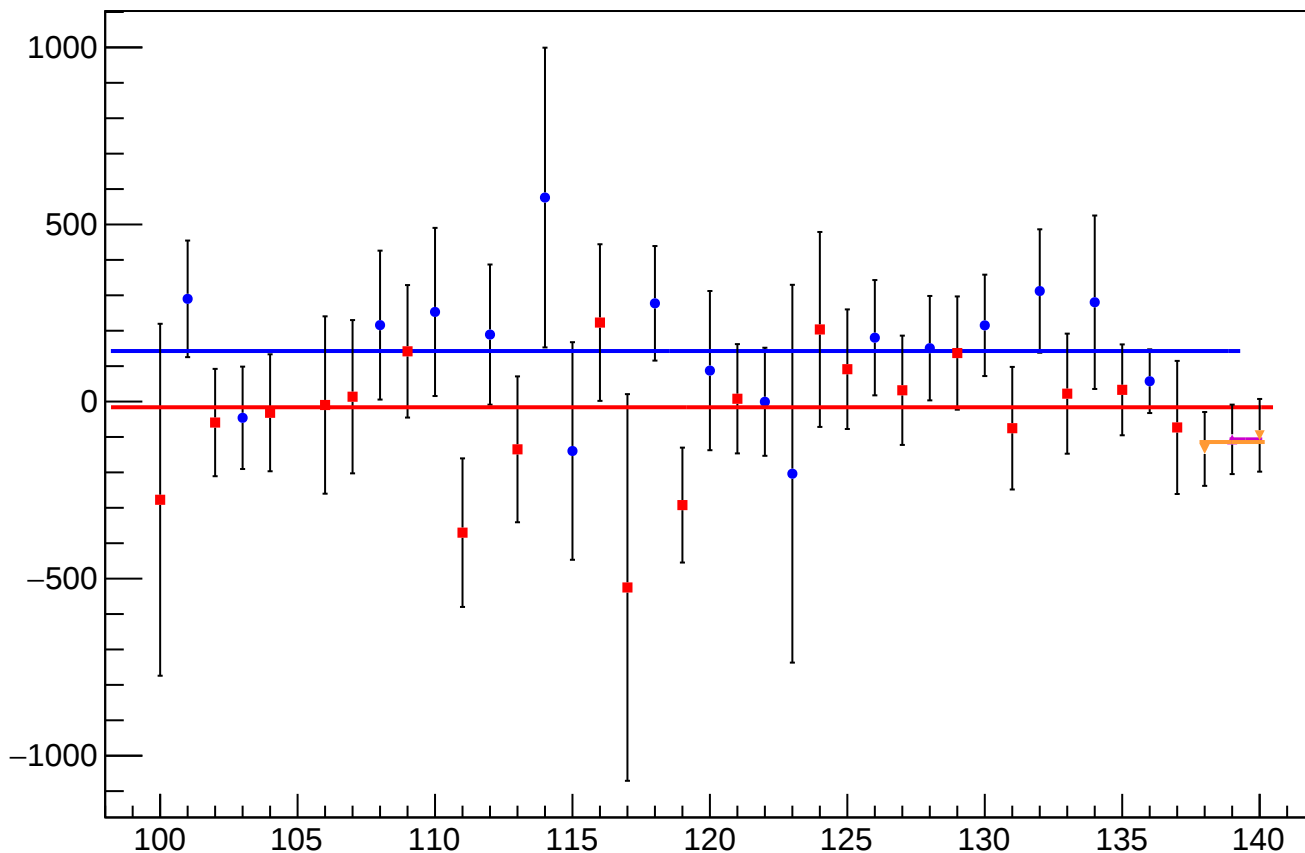
Right Out: 1545.785 ± 0.417 $\chi^2/\text{NDF}: 453865.6/19$

Left In: 1201.903 ± 0.998 $\chi^2/\text{NDF}: 0.0/0$

1261.411 ± 0.327 $\chi^2/\text{NDF}: 1253897.2/18$

1494.771 ± 0.384 $\chi^2/\text{NDF}: 554979.2/20$

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -114.257 $\pm$ 73.142 χ^2 /NDF:0.1/1

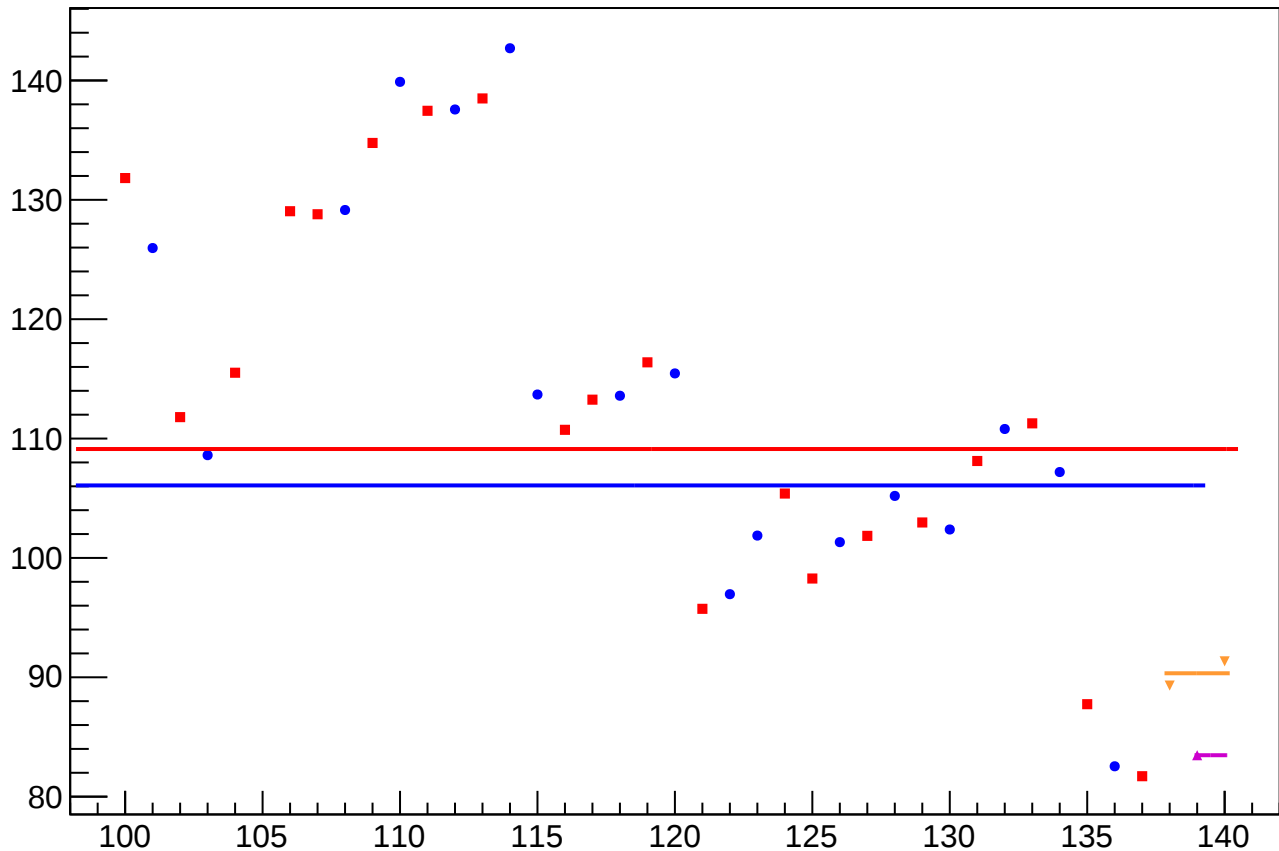
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -106.746 $\pm$ 98.052 χ^2 /NDF:0.0/0

79.825 $\pm$ 36.177 χ^2 /NDF: 18.7/18

-29.748 $\pm$ 38.044 χ^2 /NDF: 12.4/20

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074+/-0.029 χ^2/NDF : 317907.9/16

Left Out: 90.337+/-0.052 χ^2/NDF : 384.8/1

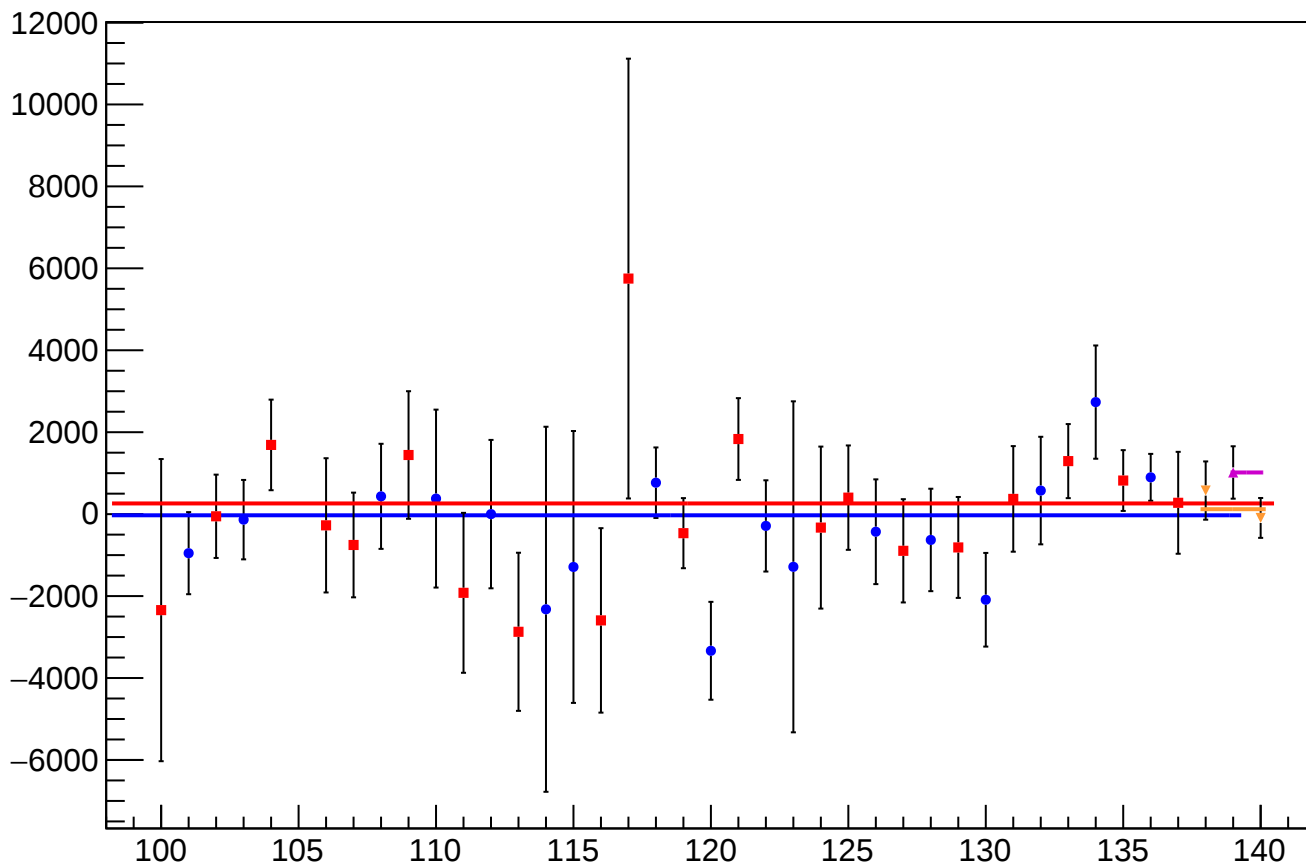
Right Out: 109.124+/-0.029 χ^2/NDF : 285510.2/19

Left In: 83.471+/-0.069 χ^2/NDF : 0.0/0

102.224+/-0.026 χ^2/NDF : 388225.7/18

105.262+/-0.027 χ^2/NDF : 401795.0/20

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 $\pm$ 283.741 χ^2 /NDF: 20.5/16

Left Out: 120.794 $\pm$ 401.648 χ^2 /NDF:0.6/1

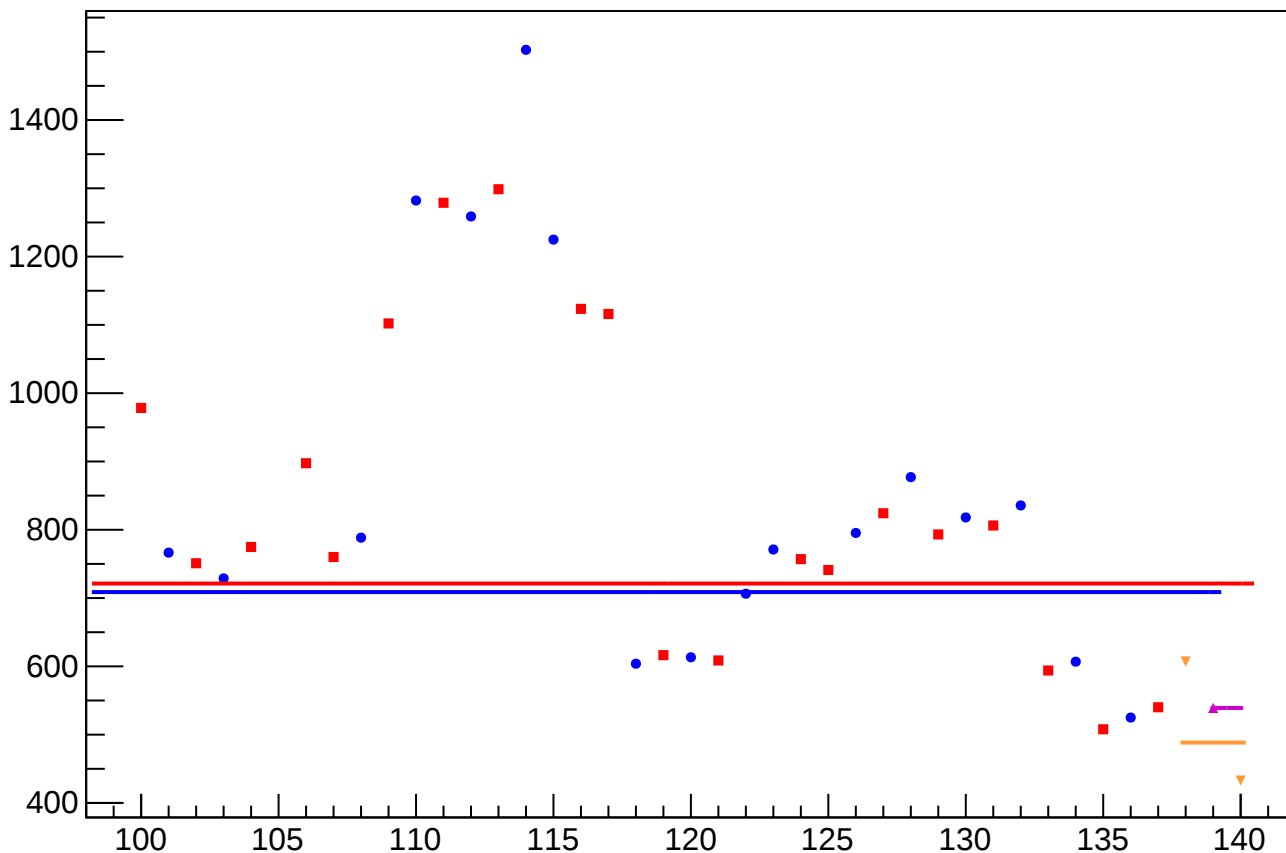
Right Out: 261.265 $\pm$ 279.073 χ^2 /NDF: 16.9/19

Left In: 1017.088 $\pm$ 639.537 χ^2 /NDF:0.0/0

21.557 $\pm$ 231.746 χ^2 /NDF: 21.2/18

382.165 $\pm$ 255.781 χ^2 /NDF: 18.1/20

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 488.397 $\pm$ 0.284 χ^2 /NDF: 81890.2/1

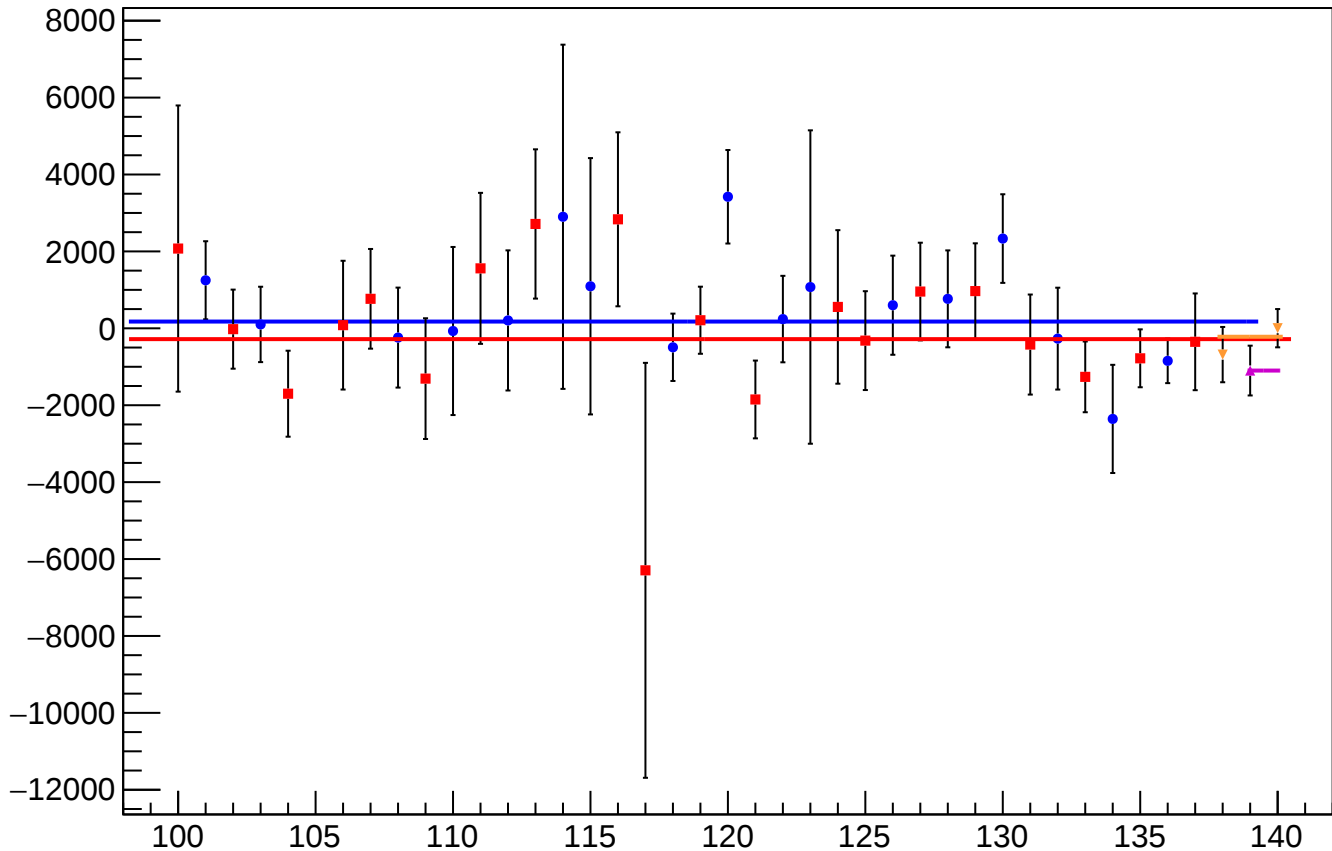
Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

Left In: 539.105 $\pm$ 0.452 χ^2 /NDF: 0.0/0

635.414 $\pm$ 0.164 χ^2 /NDF: 1277118.3/18

692.132 $\pm$ 0.181 χ^2 /NDF: 1047093.7/20

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -219.186+/-409.274 χ^2/NDF : 0.6/1

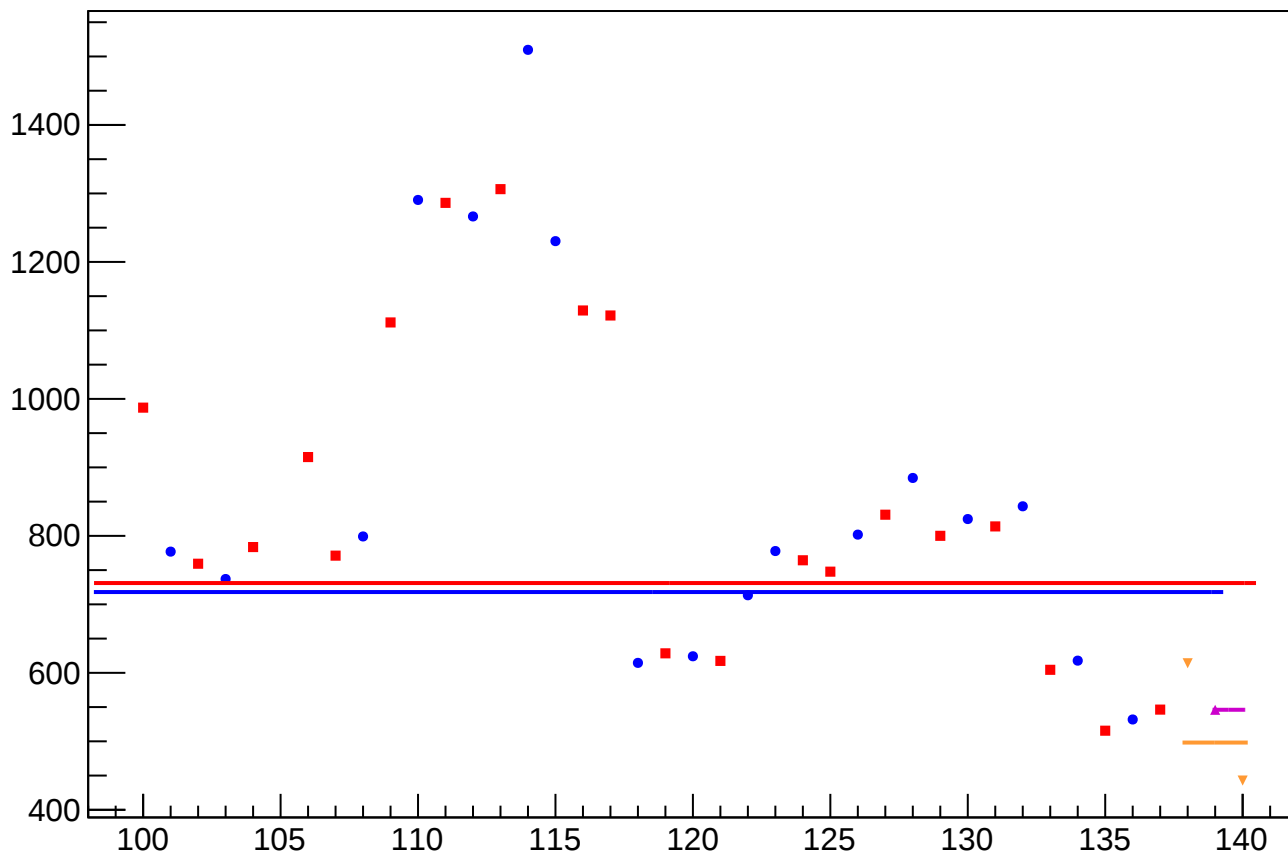
Right Out: -281.173+/-282.685 χ^2/NDF : 16.1/19

Left In: -1098.598+/-647.510 χ^2/NDF : 0.0/0

45.500+/-235.102 χ^2/NDF : 21.0/18

-412.030+/-259.072 χ^2/NDF : 17.4/20

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 498.202+/-0.289 χ^2/NDF : 76701.7/1

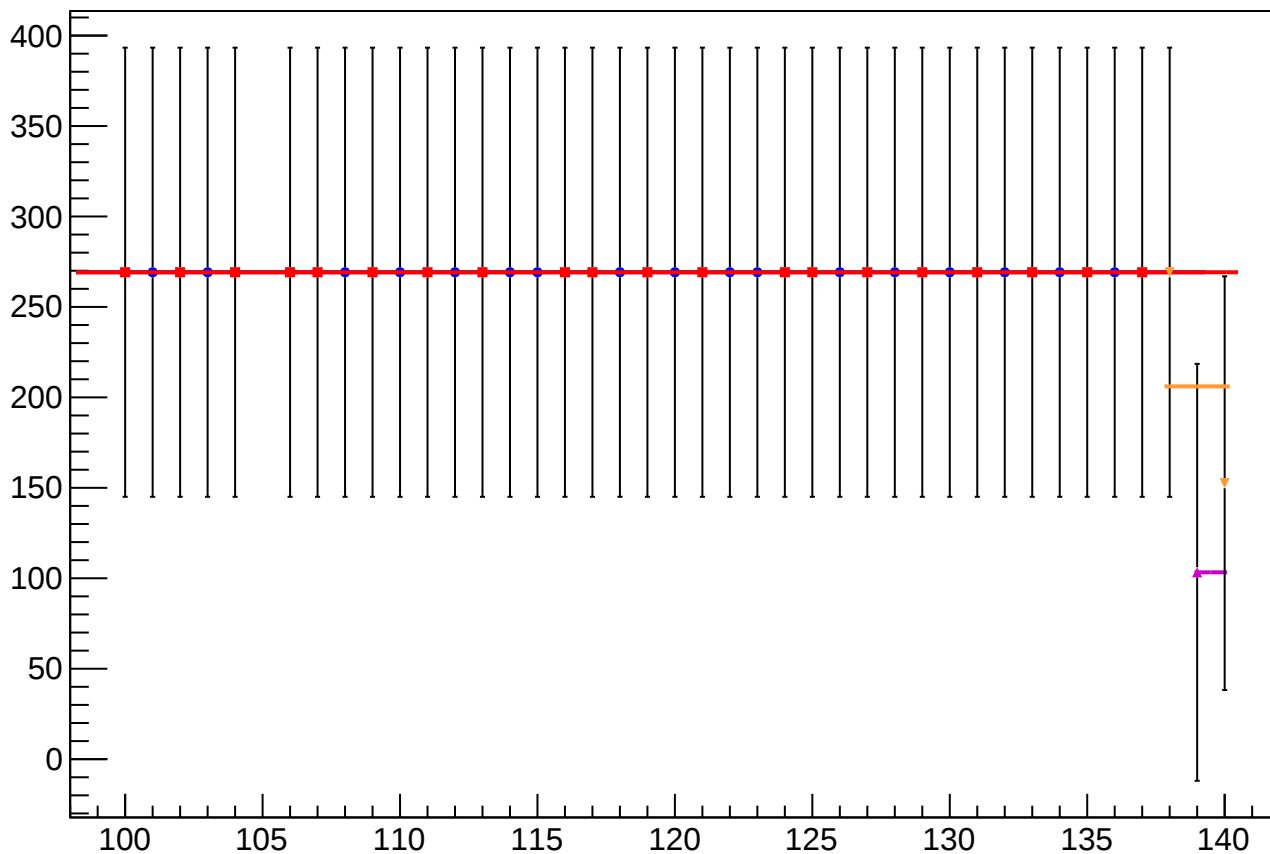
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 546.079+/-0.458 χ^2/NDF : 0.0/0

645.454+/-0.166 χ^2/NDF : 1241676.8/18

701.494+/-0.183 χ^2/NDF : 1029537.3/20

reg_asym_sam_1548_avg_mean vs Slug



Right In: 269.172 $\pm$ 30.110 χ^2 /NDF: 0.0/16

Left Out: 206.083 $\pm$ 84.101 χ^2 /NDF:0.5/1

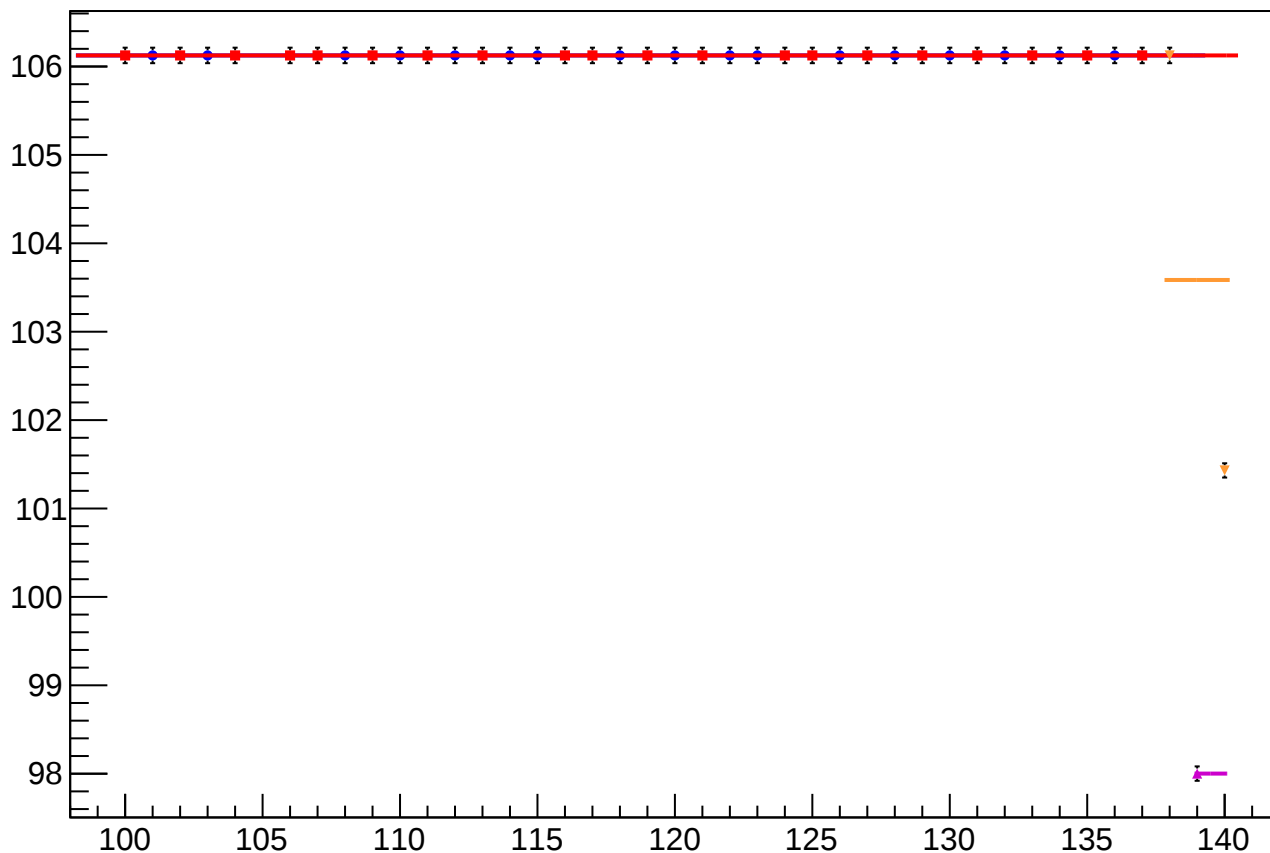
Right Out: 269.172 $\pm$ 27.760 χ^2 /NDF: 0.0/19

Left In: 103.290 $\pm$ 115.244 χ^2 /NDF:0.0/0

262.004 $\pm$ 28.348 χ^2 /NDF: 1.0/18

260.075 $\pm$ 26.988 χ^2 /NDF: 2.0/20

reg_asym_sam_1548_avg_rms vs Slug



Right In: 106.125 $\pm$ 0.021 χ^2 /NDF: 0.0/16

Left Out: 103.585 $\pm$ 0.059 χ^2 /NDF:1547.4/1

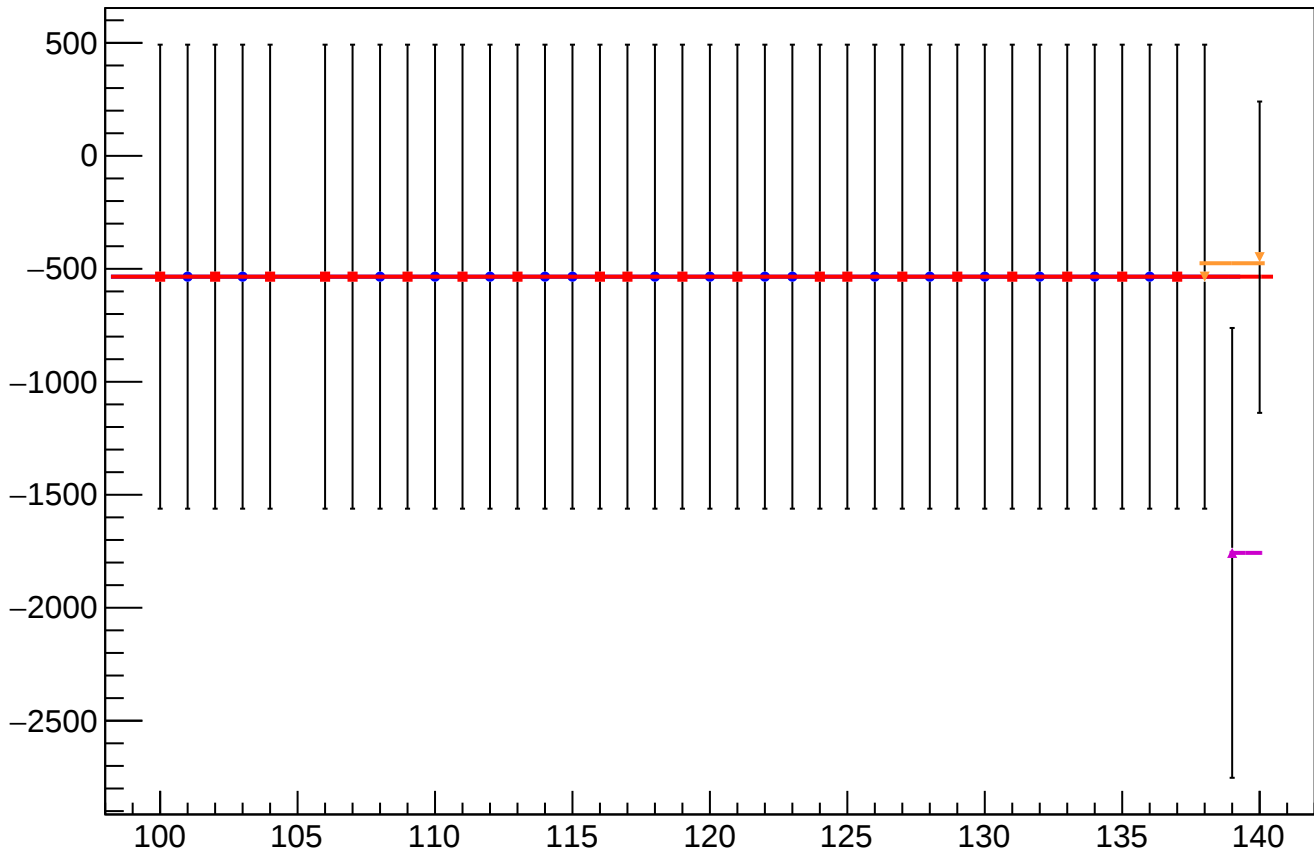
Right Out: 106.125 $\pm$ 0.020 χ^2 /NDF: 0.0/19

Left In: 98.001 $\pm$ 0.081 χ^2 /NDF:0.0/0

105.837 $\pm$ 0.020 χ^2 /NDF: 3164.5/18

105.680 $\pm$ 0.019 χ^2 /NDF: 9393.9/20

asym_sam_1548_avg_correction_mean vs Slug



Right In: -534.744+/-249.039 χ^2/NDF : 0.0/16

Left Out: -475.296+/-572.096 χ^2/NDF : 0.0/1

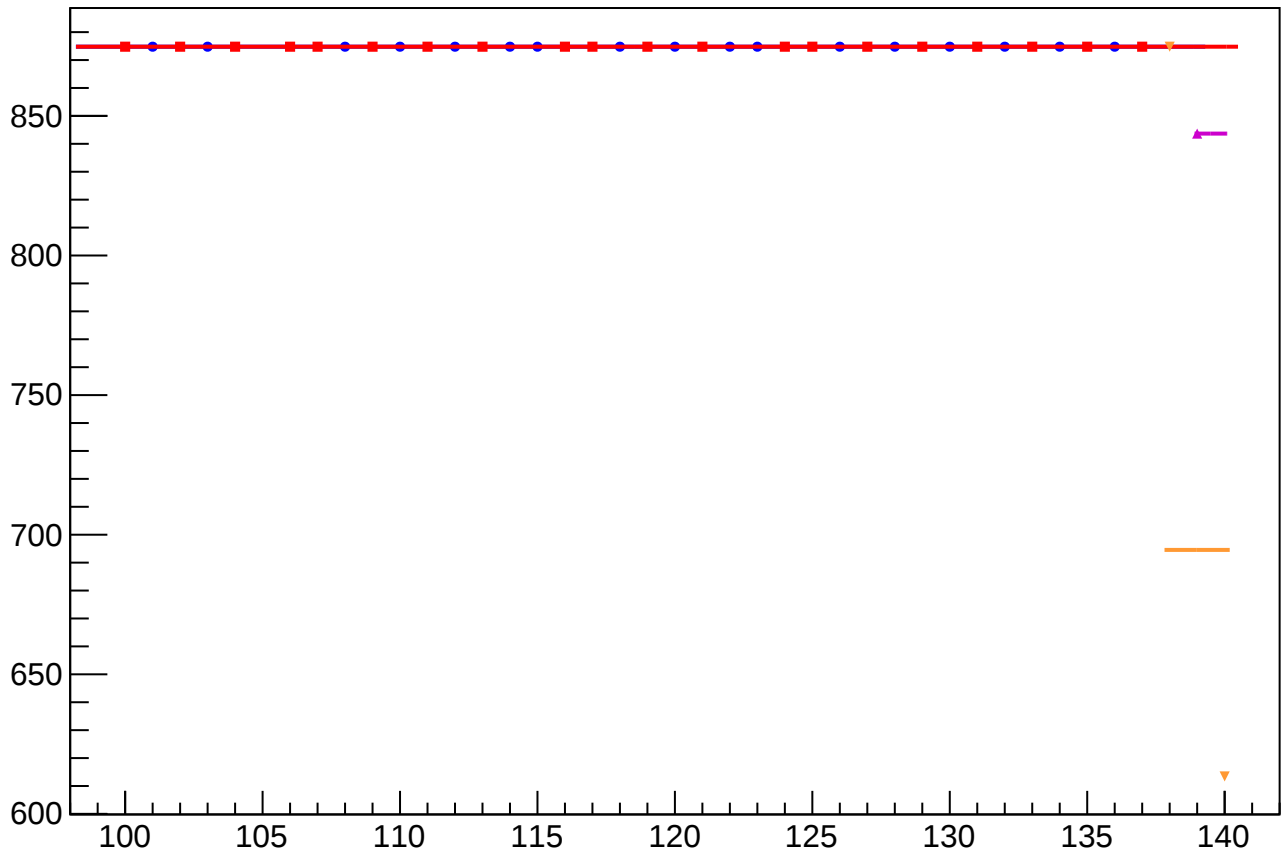
Right Out: -534.744+/-229.602 χ^2/NDF : 0.0/19

Left In: -1757.168+/-995.440 χ^2/NDF : 0.0/0

-525.274+/-228.342 χ^2/NDF : 0.0/18

-596.494+/-223.728 χ^2/NDF : 1.4/20

asym_sam_1548_avg_correction_rms vs Slug



Right In: 874.783 $\pm$ 0.176 χ^2 /NDF: 0.0/16

Left Out: 694.557 $\pm$ 0.405 χ^2 /NDF: 89351.3/1

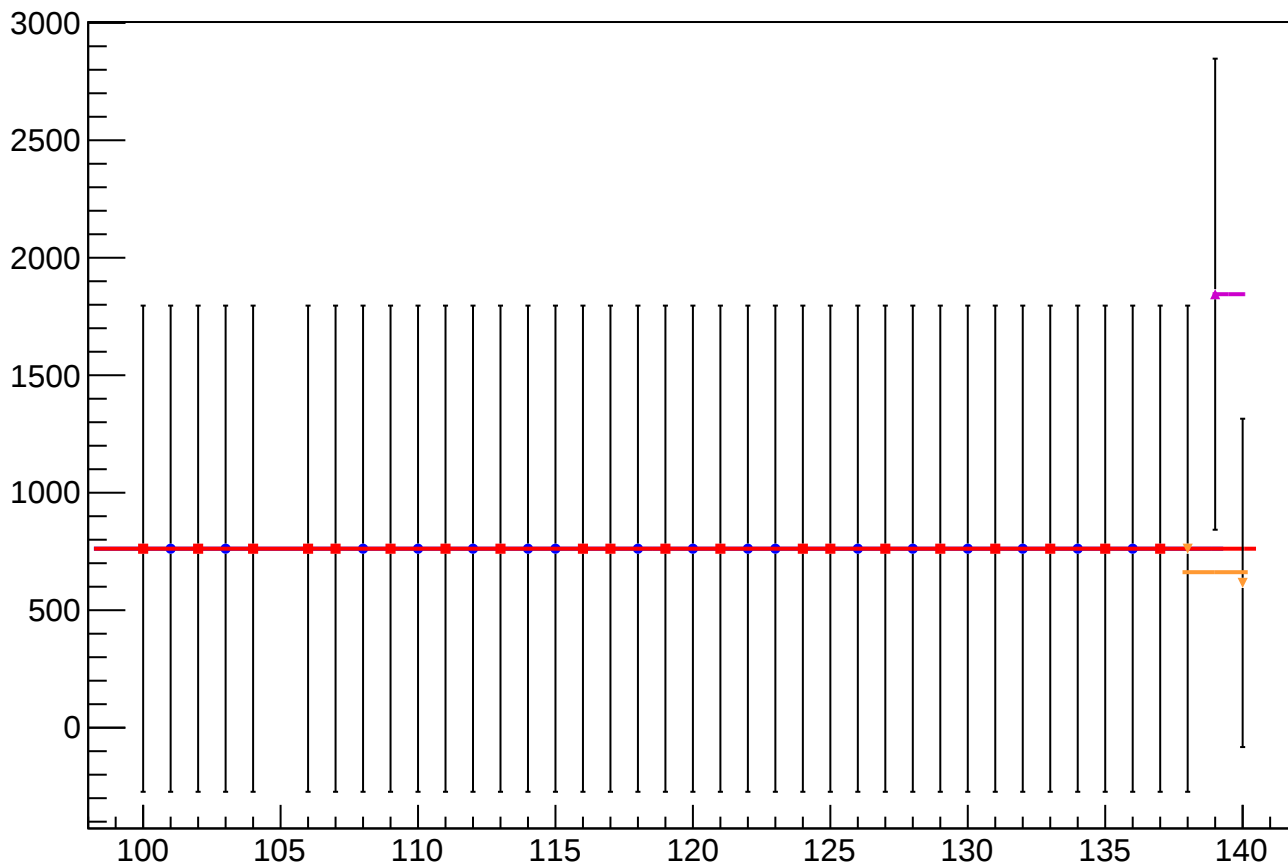
Right Out: 874.783 $\pm$ 0.162 χ^2 /NDF: 0.0/19

Left In: 843.657 $\pm$ 0.704 χ^2 /NDF: 0.0/0

846.072 $\pm$ 0.161 χ^2 /NDF: 256216.4/18

873.211 $\pm$ 0.158 χ^2 /NDF: 1856.7/20

asym_sam_1548_avg_mean vs Slug



Right In: 761.735 $\pm$ 250.914 χ^2 /NDF: 0.0/16

Left Out: 661.817 $\pm$ 579.006 χ^2 /NDF: 0.0/1

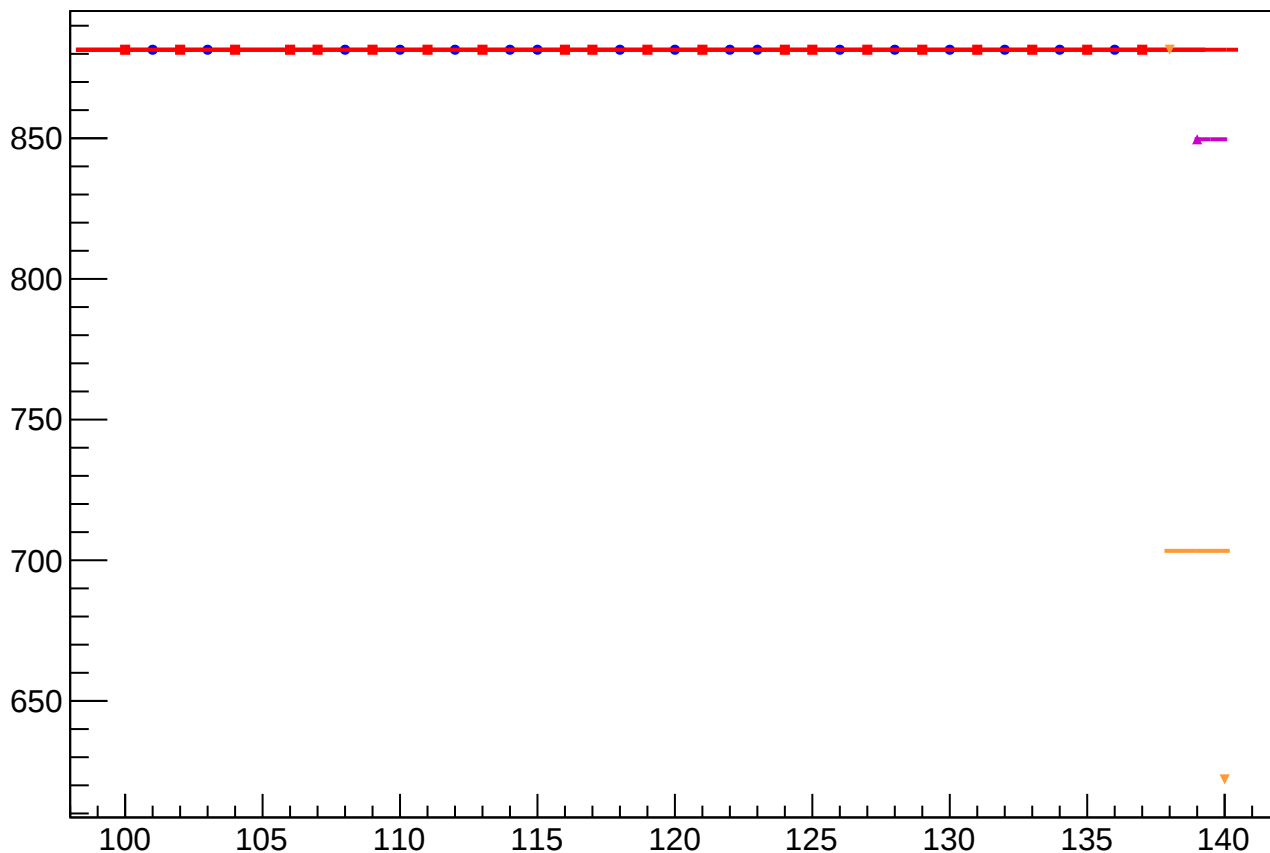
Right Out: 761.735 $\pm$ 231.331 χ^2 /NDF: 0.0/19

Left In: 1844.865 $\pm$ 1002.377 χ^2 /NDF: 0.0/0

745.938 $\pm$ 230.226 χ^2 /NDF: 0.0/18

816.506 $\pm$ 225.406 χ^2 /NDF: 1.1/20

asym_sam_1548_avg_rms vs Slug



Right In: 881.467 $\pm$ 0.177 χ^2 /NDF: 0.0/16

Left Out: 703.347 $\pm$ 0.409 χ^2 /NDF: 86327.3/1

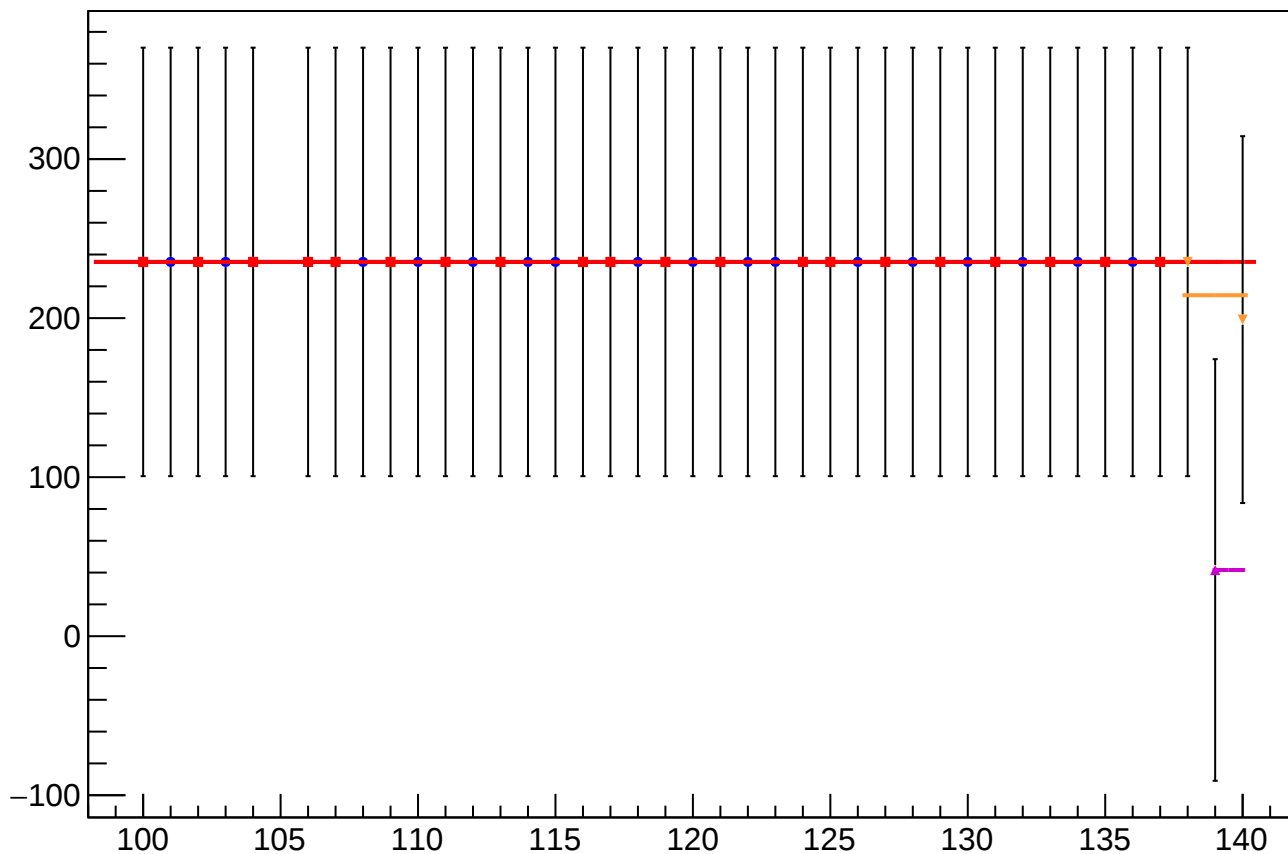
Right Out: 881.467 $\pm$ 0.164 χ^2 /NDF: 0.0/19

Left In: 849.642 $\pm$ 0.709 χ^2 /NDF: 0.0/0

853.306 $\pm$ 0.163 χ^2 /NDF: 245675.8/18

879.858 $\pm$ 0.159 χ^2 /NDF: 1914.2/20

reg_asym_sam_3748_avg_mean vs Slug



Right In: 235.346 $\pm$ 32.676 χ^2 /NDF: 0.0/16

Left Out: 214.411 $\pm$ 87.618 χ^2 /NDF:0.0/1

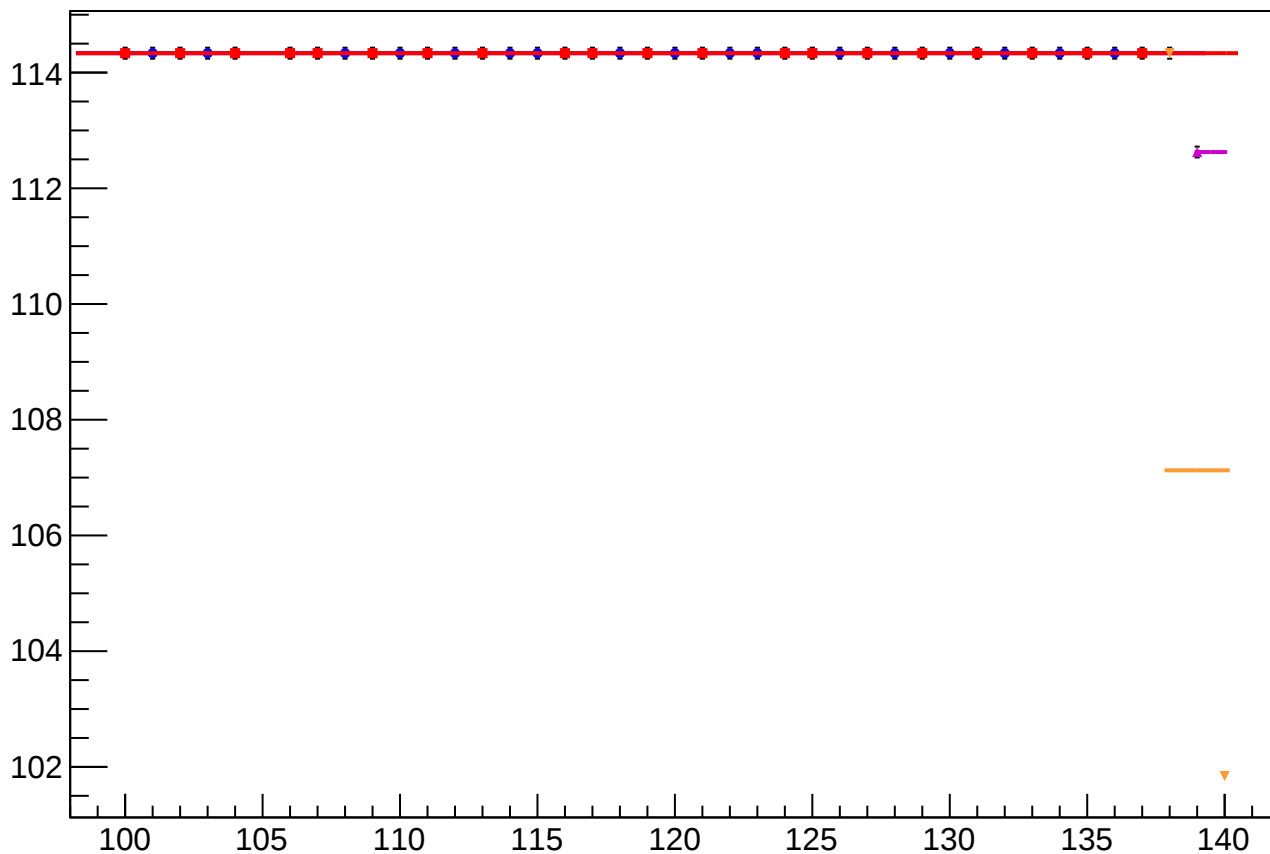
Right Out: 235.346 $\pm$ 30.125 χ^2 /NDF: 0.0/19

Left In: 41.628 $\pm$ 132.560 χ^2 /NDF:0.0/0

232.790 $\pm$ 30.616 χ^2 /NDF: 0.1/18

225.833 $\pm$ 29.376 χ^2 /NDF: 2.0/20

reg_asym_sam_3748_avg_rms vs Slug



Right In: 114.335+/-0.023 χ^2/NDF : 0.0/16

Left Out: 107.126+/-0.062 χ^2/NDF :9925.2/1

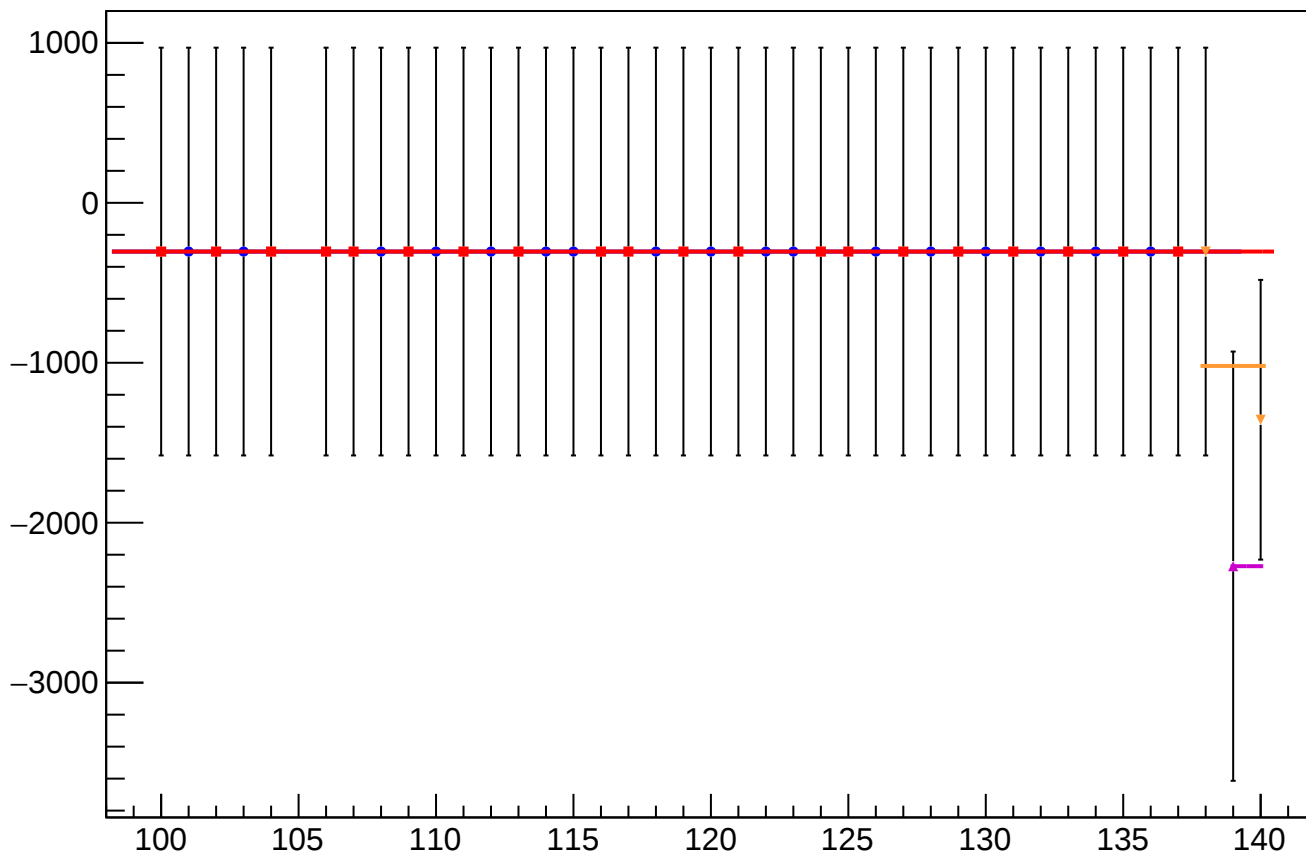
Right Out: 114.335 ± 0.021 χ^2/NDF : 0.0/19

Left In: 112.627+/-0.094 χ^2/NDF :0.0/0

113.455+/-0.022 χ^2/NDF : 21812.9/18

114.251+/-0.021 χ^2/NDF : 316.0/20

asym_sam_3748_avg_correction_mean vs Slug



Right In: -304.659+/-309.179 χ^2/NDF : 0.0/16

Left Out: -1019.772+/-721.130 χ^2/NDF : 0.5/1

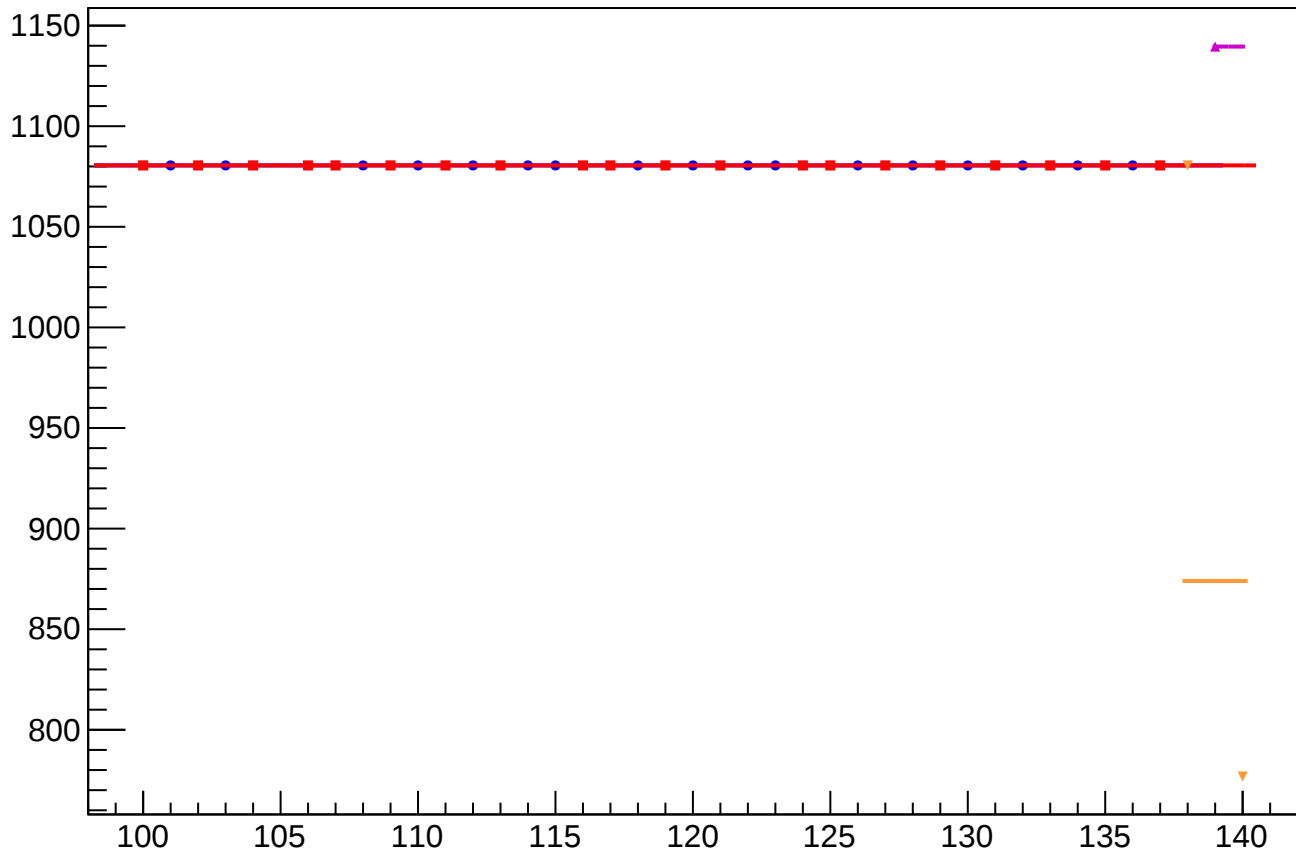
Right Out: -304.659+/-285.049 χ^2/NDF : 0.0/19

Left In: -2271.776+/-1341.828 χ^2/NDF : 0.0/0

-415.700+/-284.163 χ^2/NDF : 1.3/18

-389.598+/-278.827 χ^2/NDF : 2.1/20

asym_sam_3748_avg_correction_rms vs Slug



Right In: 1080.515 $\pm$ 0.219 χ^2 /NDF: 0.0/16

Left Out: 873.966 $\pm$ 0.510 χ^2 /NDF: 77214.8/1

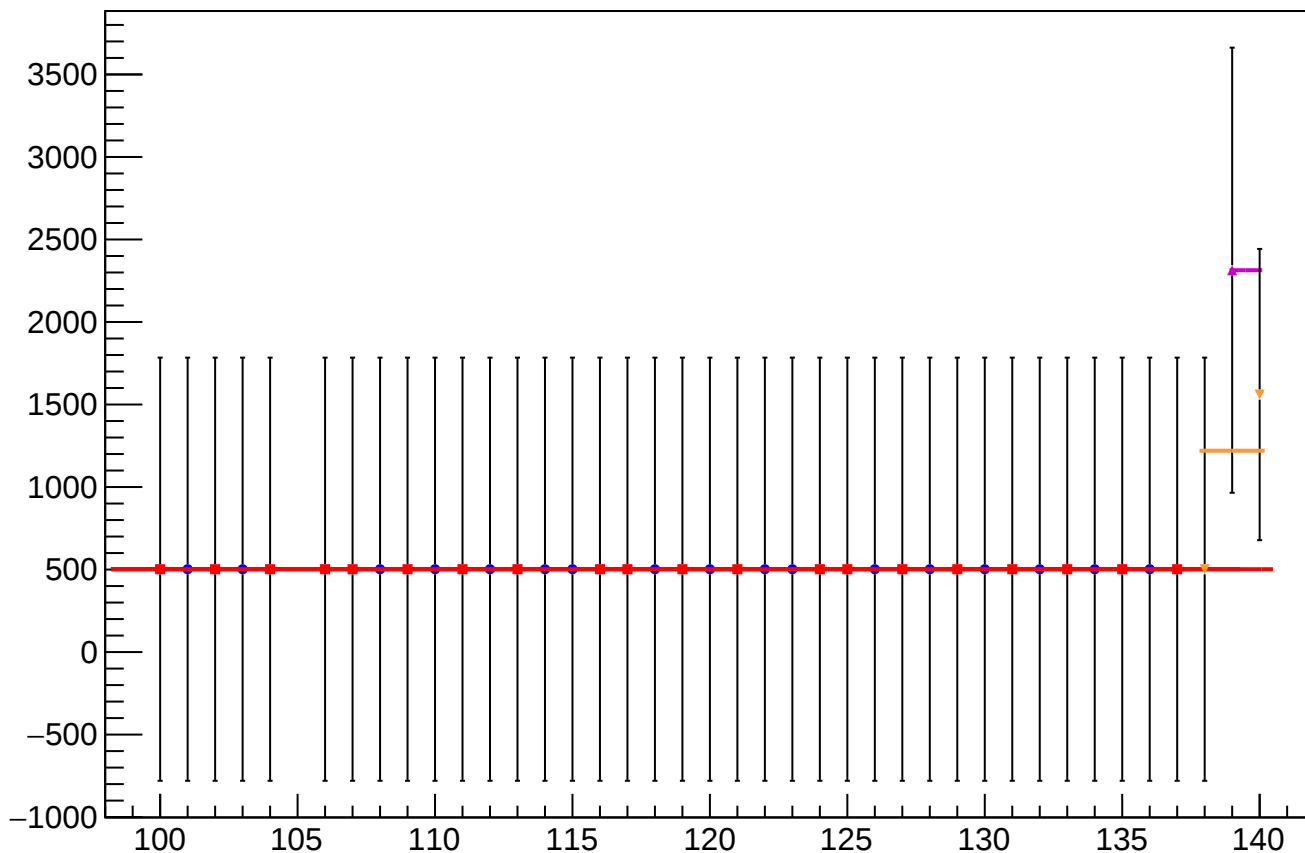
Right Out: 1080.515 $\pm$ 0.202 χ^2 /NDF: 0.0/19

Left In: 1139.580 $\pm$ 0.949 χ^2 /NDF: 0.0/0

1048.443 $\pm$ 0.201 χ^2 /NDF: 215814.7/18

1083.065 $\pm$ 0.197 χ^2 /NDF: 3707.9/20

asym_sam_3748_avg_mean vs Slug



Right In: 502.043+/-310.943 χ^2/NDF : 0.0/16

Left Out: 1220.164+/-726.882 χ^2/NDF : 0.5/1

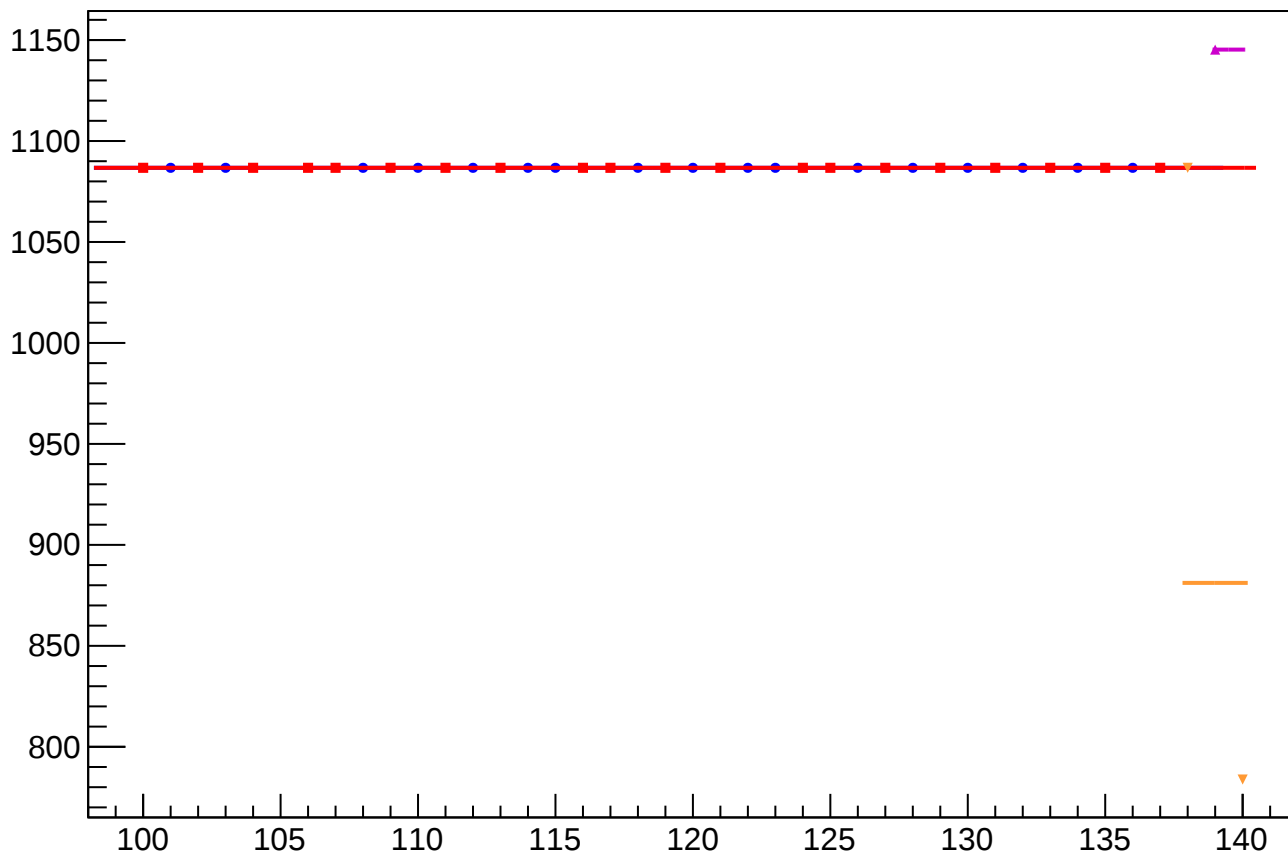
Right Out: 502.043+/-286.675 χ^2/NDF : 0.0/19

Left In: 2313.751+/-1348.492 χ^2/NDF : 0.0/0

613.126+/-285.884 χ^2/NDF : 1.3/18

580.381+/-280.409 χ^2/NDF : 1.7/20

asym_sam_3748_avg_rms vs Slug



Right In: 1086.731 $\pm$ 0.220 χ^2 /NDF: 0.0/16

Left Out: 881.171 $\pm$ 0.514 χ^2 /NDF: 75773.9/1

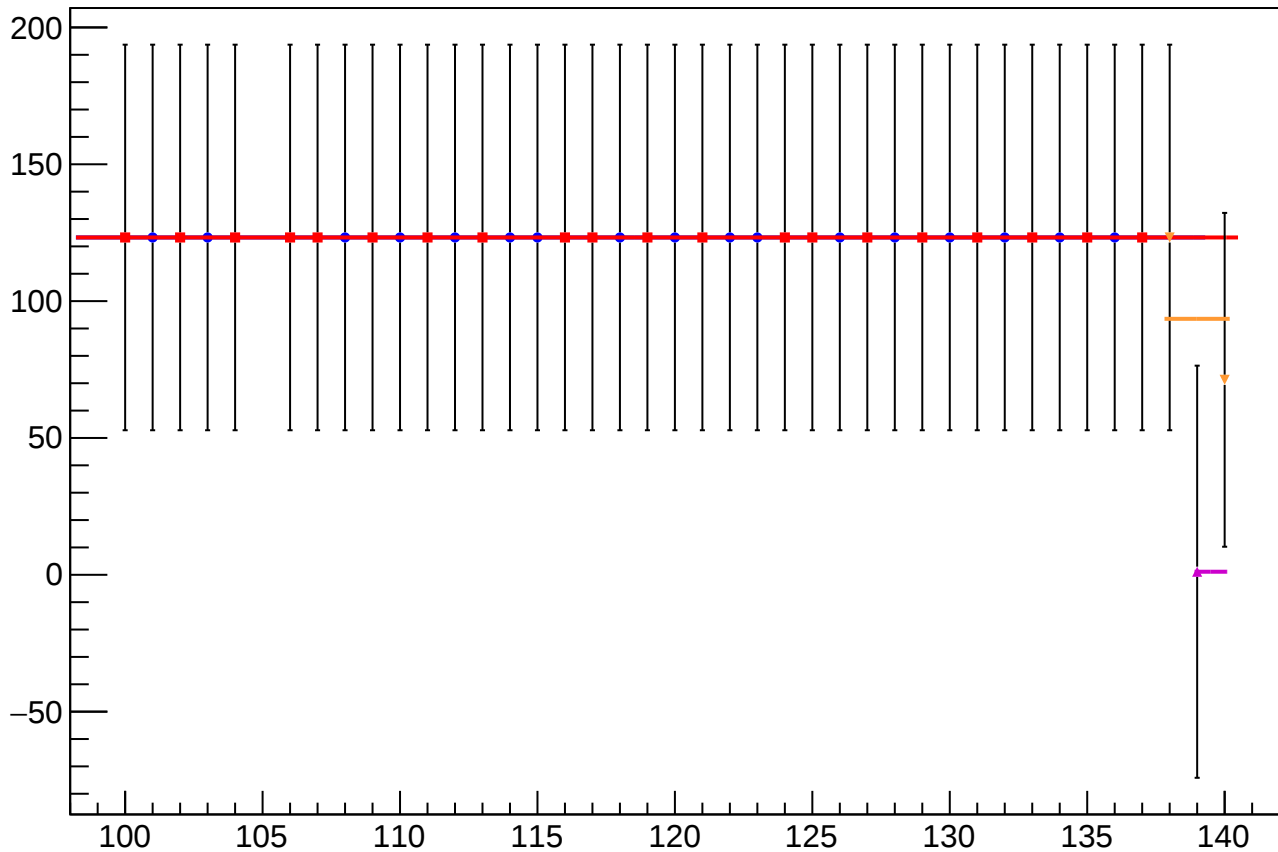
Right Out: 1086.731 $\pm$ 0.203 χ^2 /NDF: 0.0/19

Left In: 1145.272 $\pm$ 0.954 χ^2 /NDF: 0.0/0

1054.934 $\pm$ 0.202 χ^2 /NDF: 210980.8/18

1089.262 $\pm$ 0.198 χ^2 /NDF: 3606.3/20

reg_asym_sam_1526_avg_mean vs Slug



Right In: 123.260 $\pm$ 17.085 χ^2 /NDF: 0.0/16

Left Out: 93.531 $\pm$ 46.108 χ^2 /NDF:0.3/1

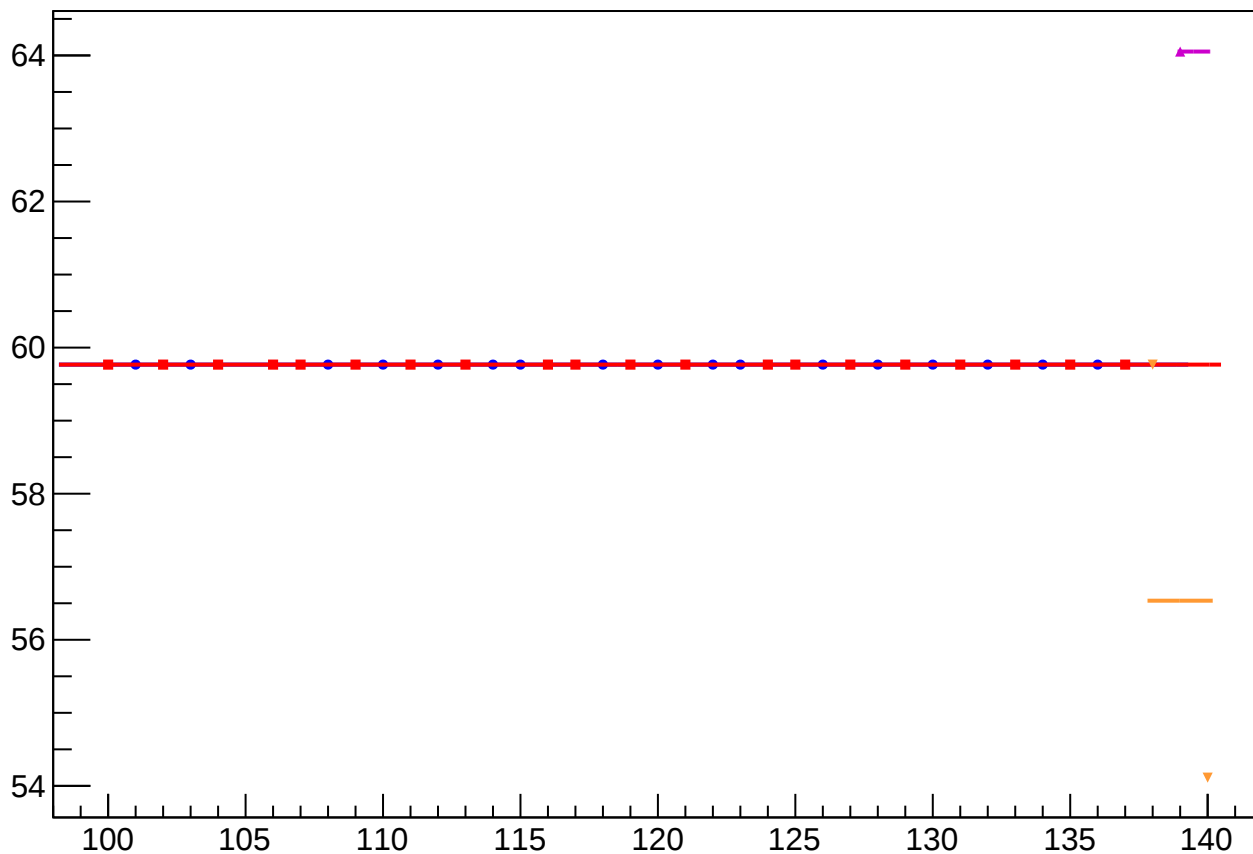
Right Out: 123.260 $\pm$ 15.751 χ^2 /NDF: 0.0/19

Left In: 1.125 $\pm$ 75.294 χ^2 /NDF:0.0/0

119.671 $\pm$ 16.020 χ^2 /NDF: 0.7/18

118.139 $\pm$ 15.418 χ^2 /NDF: 2.5/20

reg_asym_sam_1526_avg_rms vs Slug



Right In: 59.767 ± 0.012 χ^2/NDF : 0.0/16

Left Out: 56.535 ± 0.033 χ^2/NDF : 7366.2/1

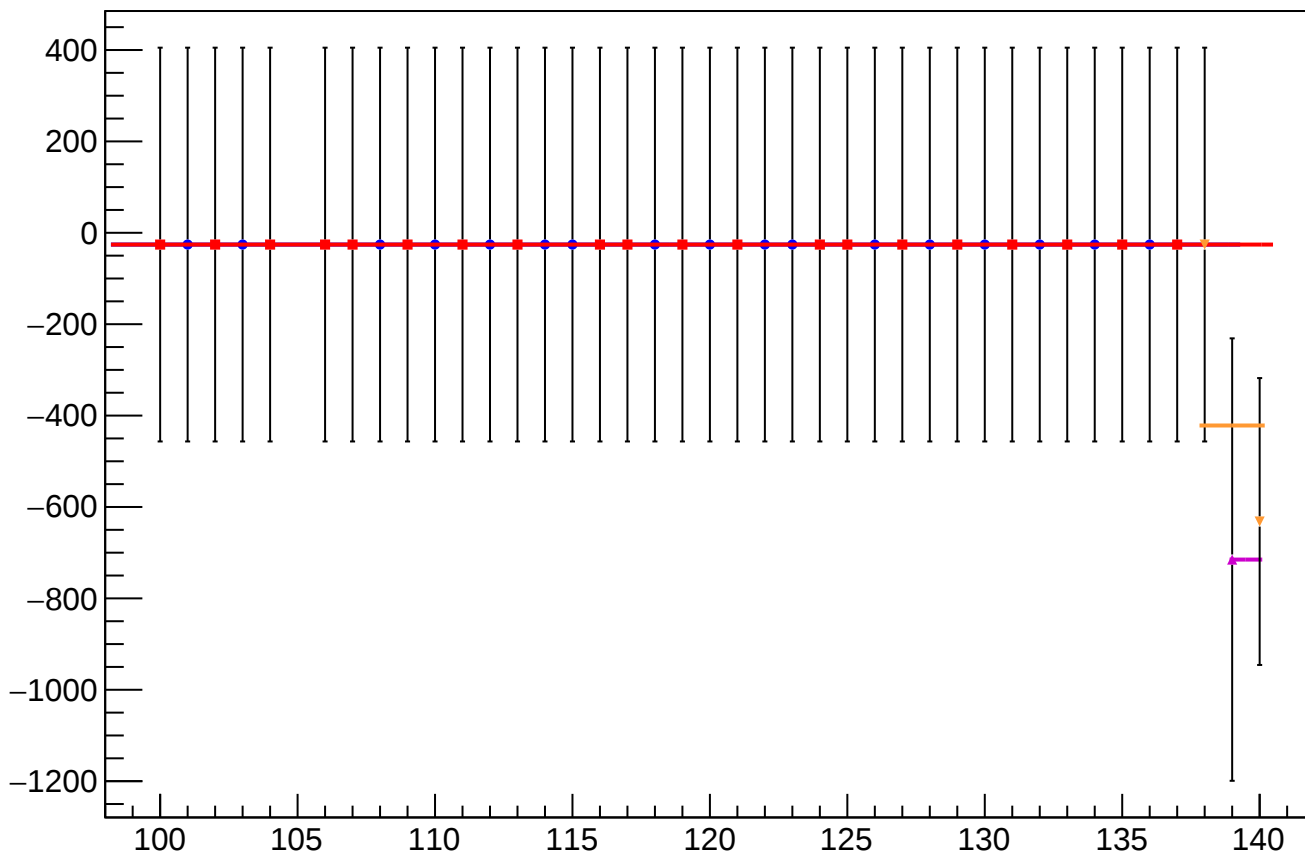
Right Out: 59.767 ± 0.011 χ^2/NDF : 0.0/19

Left In: 64.053 ± 0.053 χ^2/NDF : 0.0/0

59.377 ± 0.011 χ^2/NDF : 16006.7/18

59.947 ± 0.011 χ^2/NDF : 6208.3/20

asym_sam_1526_avg_correction_mean vs Slug



Right In: -25.761±104.501 χ^2/NDF : 0.0/16

Left Out: -421.685±253.706 χ^2/NDF : 1.3/1

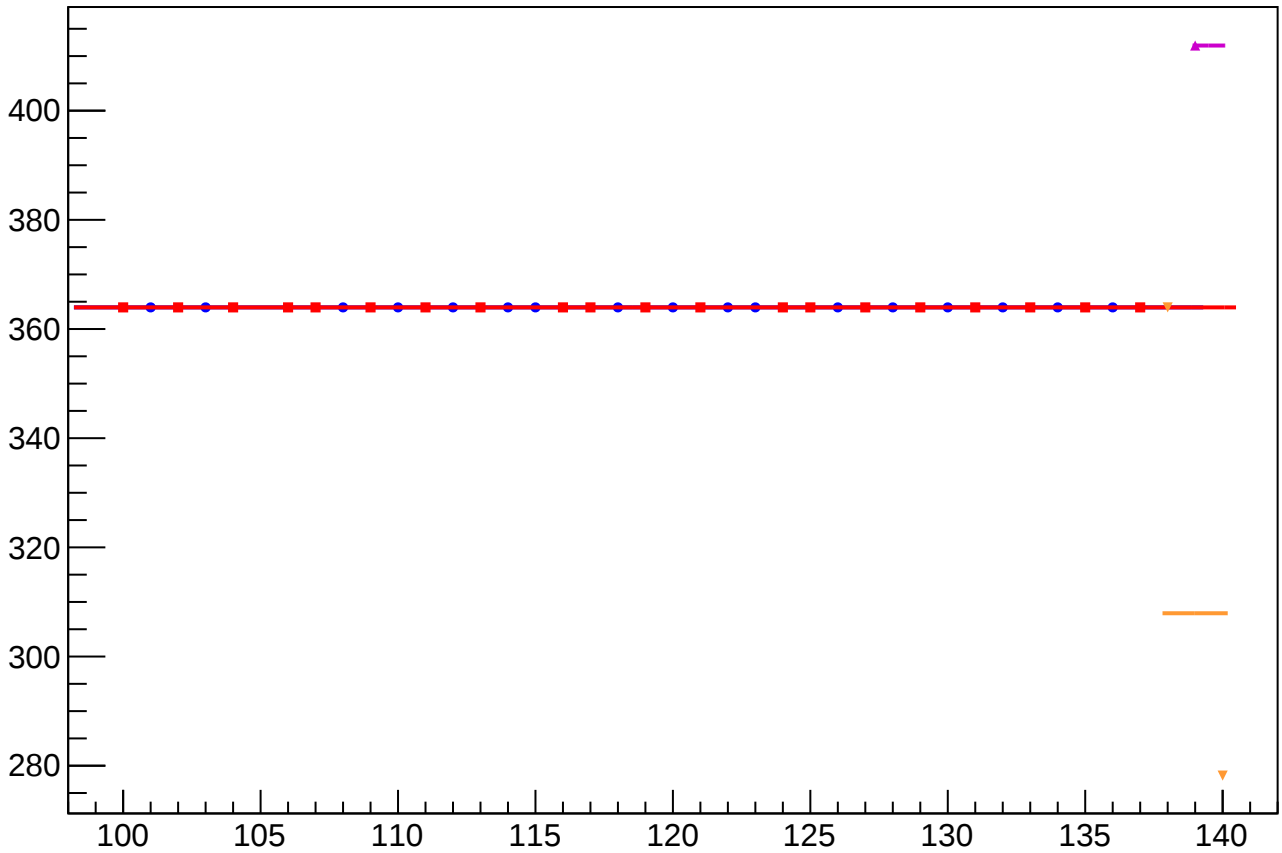
Right Out: -25.761±96.345 χ^2/NDF : 0.0/19

Left In: -715.089±484.097 χ^2/NDF : 0.0/0

-83.190±96.625 χ^2/NDF : 3.4/18

-52.024±94.492 χ^2/NDF : 2.0/20

asym_sam_1526_avg_correction_rms vs Slug



Right In: 363.962+/-0.074 χ^2/NDF : 0.0/16

Left Out: 307.930+/-0.179 χ^2/NDF :51775.7/1

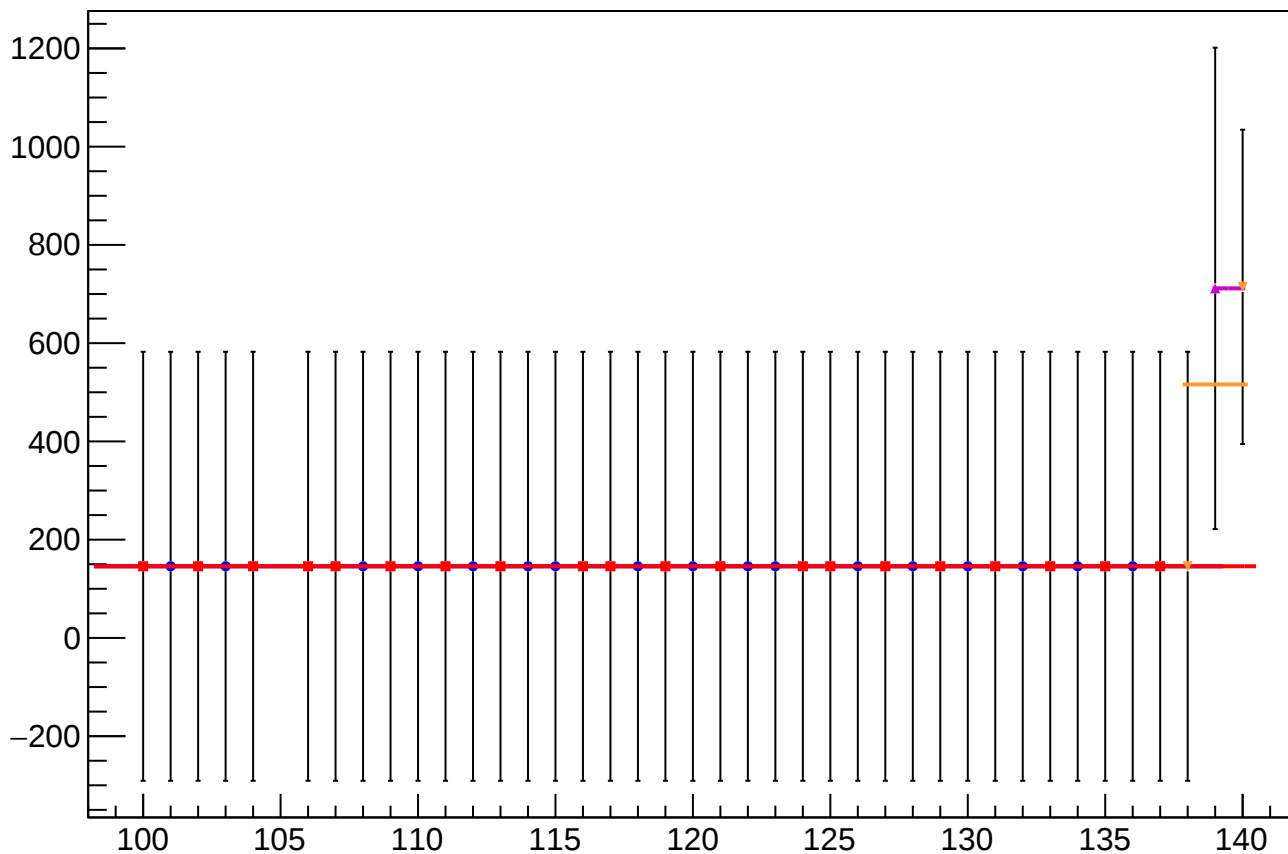
Right Out: 363.962+/-0.068 χ^2/NDF : 0.0/19

Left In: 411.932+/-0.342 χ^2/NDF :0.0/0

355.835+/-0.068 χ^2/NDF : 135180.9/18

365.790+/-0.067 χ^2/NDF : 18889.3/20

asym_sam_1526_avg_mean vs Slug



Right In: 145.833 $\pm$ 105.907 χ^2 /NDF: 0.0/16

Left Out: 515.964 $\pm$ 258.045 χ^2 /NDF:1.1/1

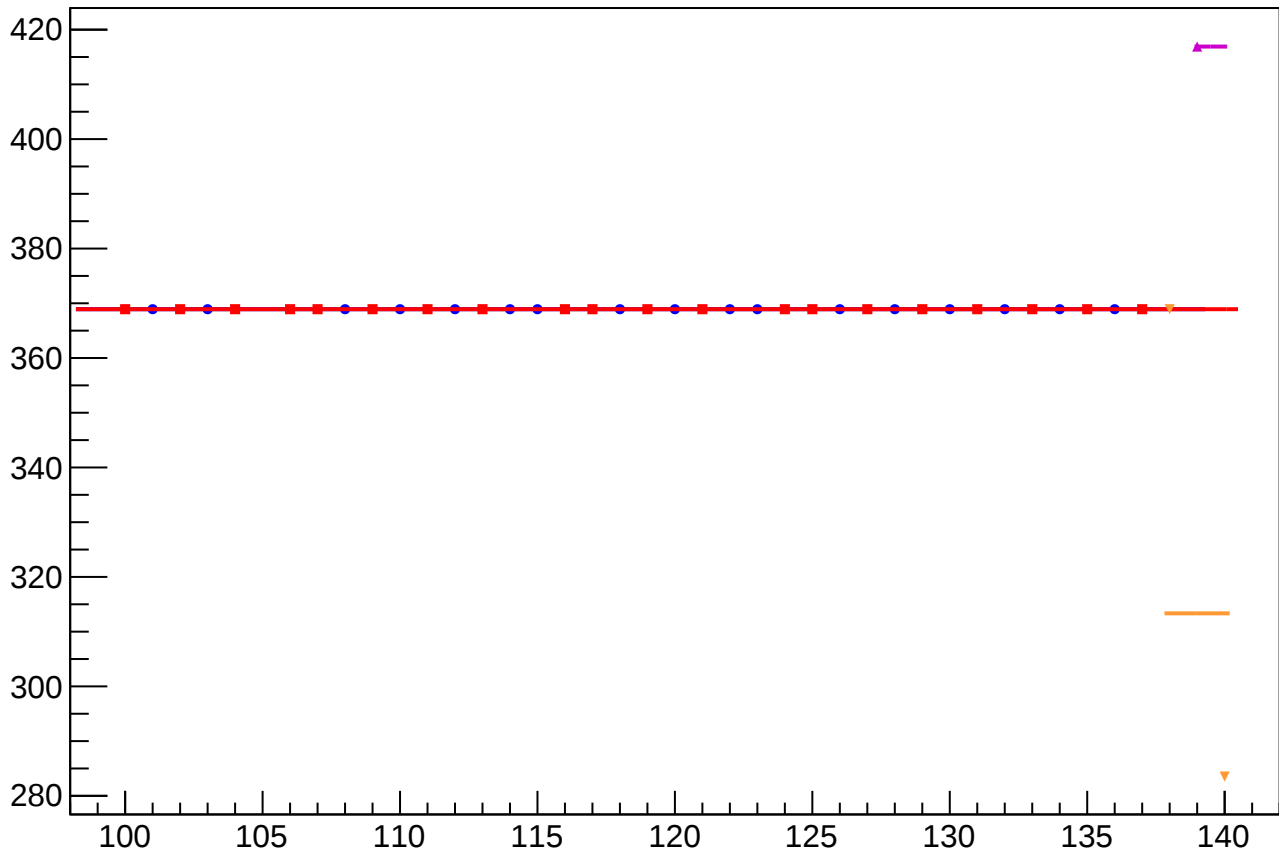
Right Out: 145.833 $\pm$ 97.641 χ^2 /NDF: 0.0/19

Left In: 711.531 $\pm$ 489.944 χ^2 /NDF:0.0/0

199.191 $\pm$ 97.976 χ^2 /NDF: 2.9/18

167.442 $\pm$ 95.758 χ^2 /NDF: 1.3/20

asym_sam_1526_avg_rms vs Slug



Right In: 368.918 $\pm$ 0.075 χ^2 /NDF: 0.0/16

Left Out: 313.343 $\pm$ 0.182 χ^2 /NDF:49780.0/1

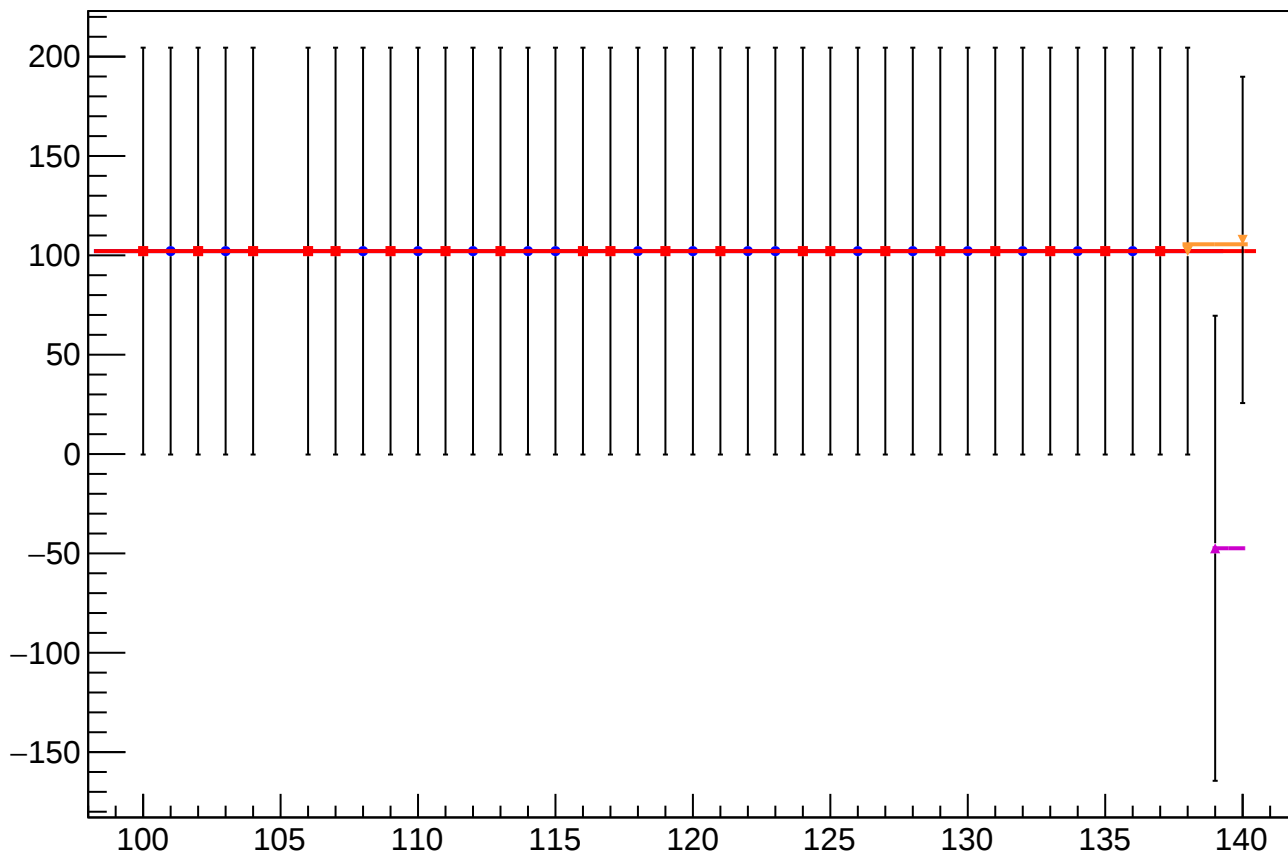
Right Out: 368.918 $\pm$ 0.069 χ^2 /NDF: 0.0/19

Left In: 416.909 $\pm$ 0.346 χ^2 /NDF:0.0/0

360.906 $\pm$ 0.069 χ^2 /NDF: 129174.2/18

370.751 $\pm$ 0.068 χ^2 /NDF: 18456.1/20

reg_asym_sam_3726_avg_mean vs Slug



Right In: 102.129+/-24.831 χ^2/NDF : 0.0/16

Left Out: 105.562+/-64.055 χ^2/NDF : 0.0/1

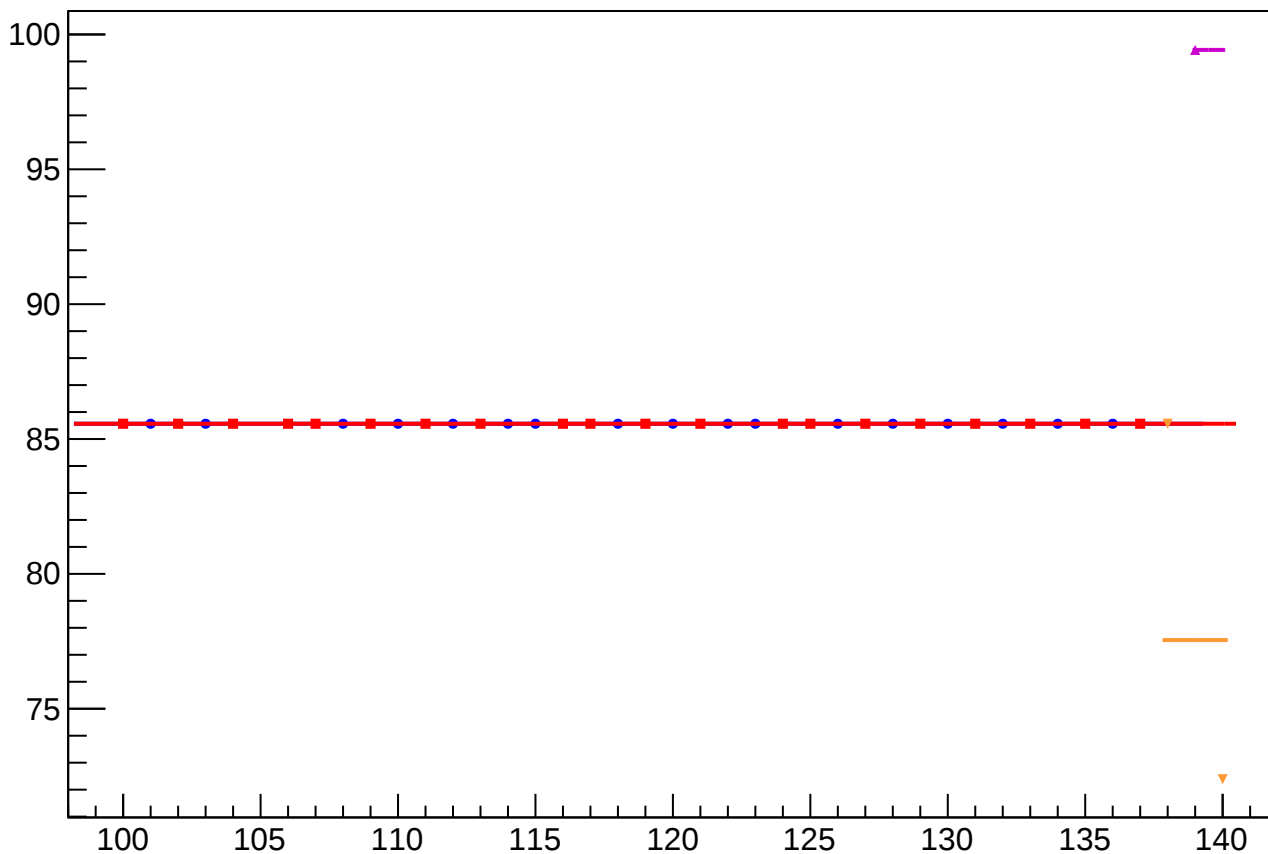
Right Out: 102.129+/-22.893 χ^2/NDF : 0.0/19

Left In: -47.416+/-117.019 χ^2/NDF : 0.0/0

102.578+/-23.152 χ^2/NDF : 0.0/18

96.617+/-22.467 χ^2/NDF : 1.6/20

reg_asym_sam_3726_avg_rms vs Slug



Right In: 85.567 $\pm$ 0.018 χ^2 /NDF: 0.0/16

Left Out: 77.546 $\pm$ 0.045 χ^2 /NDF: 20172.9/1

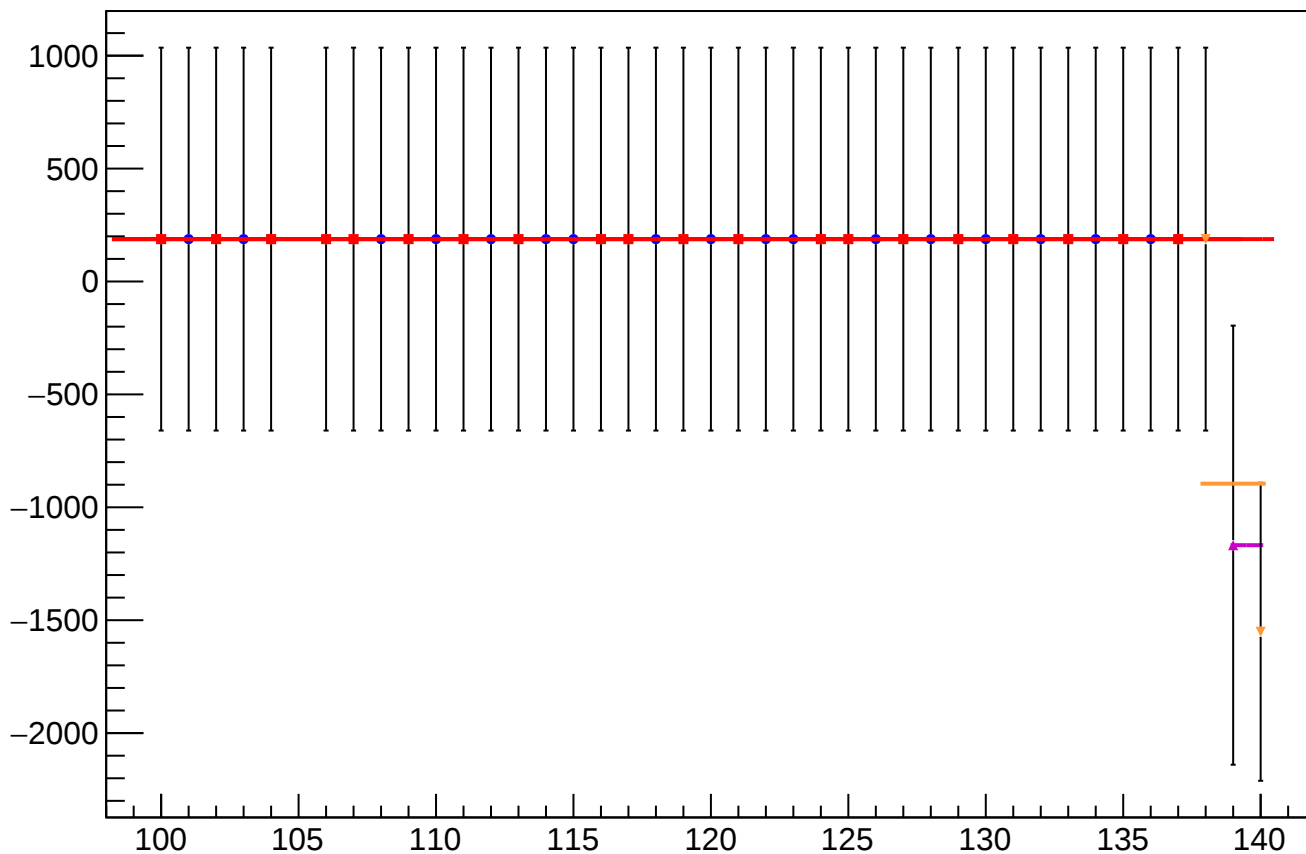
Right Out: 85.567 $\pm$ 0.016 χ^2 /NDF: 0.0/19

Left In: 99.427 $\pm$ 0.083 χ^2 /NDF: 0.0/0

84.519 $\pm$ 0.016 χ^2 /NDF: 47436.2/18

86.078 $\pm$ 0.016 χ^2 /NDF: 27025.3/20

asym_sam_3726_avg_correction_mean vs Slug



Right In: 187.636+/-205.631 χ^2/NDF : 0.0/16

Left Out: -895.331+/-520.740 χ^2/NDF : 2.6/1

Right Out: 187.636+/-189.582 χ^2/NDF : 0.0/19

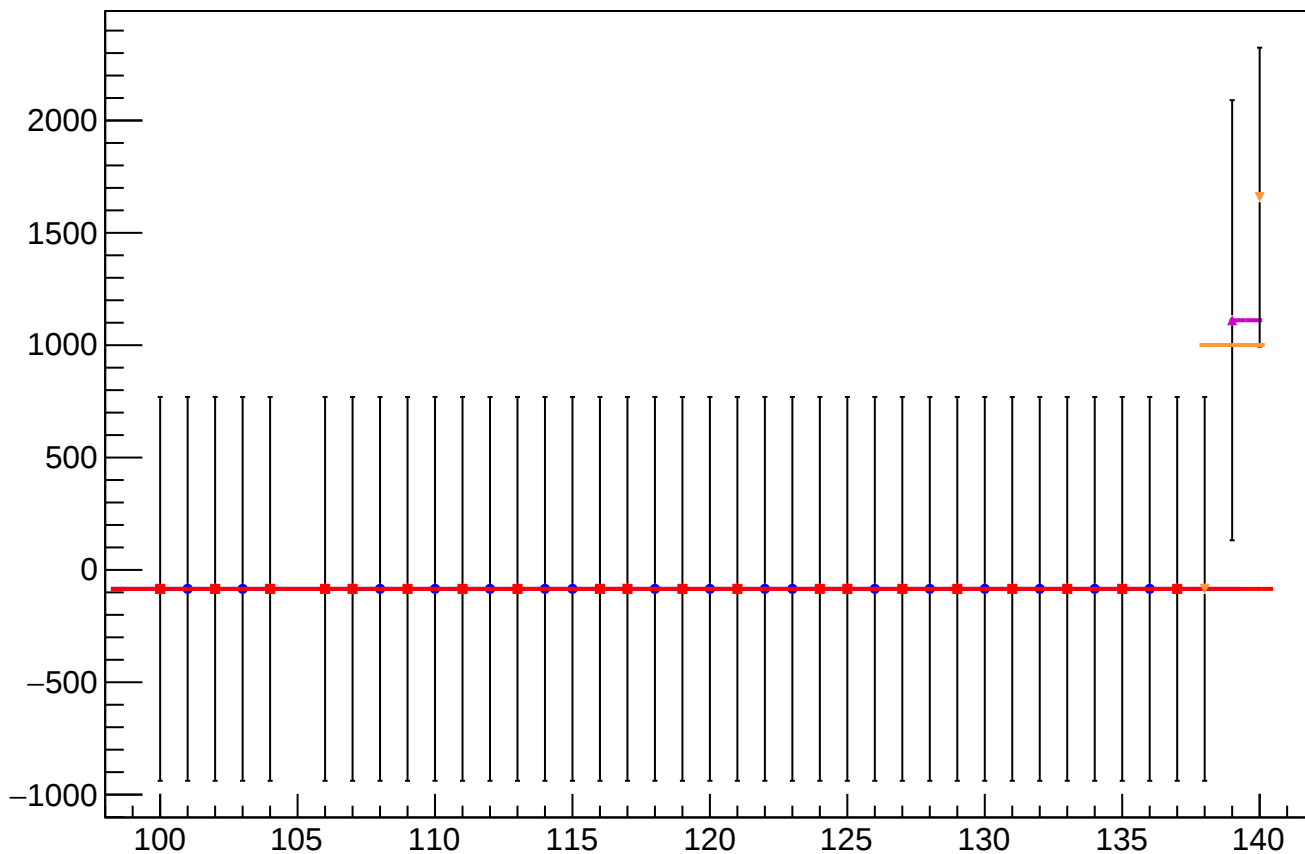
Left In: -1167.768+/-972.236 χ^2/NDF : 0.0/0

41.547+/-191.259 χ^2/NDF : 6.4/18

137.987+/-186.078 χ^2/NDF : 1.9/20

718.258+/-0.132 χ^2/NDF : 26107.4/20

asym_sam_3726_avg_mean vs Slug



Right In: -84.386+/-207.148 χ^2/NDF : 0.0/16

Left Out: 1000.932+/-524.736 χ^2/NDF : 2.6/1

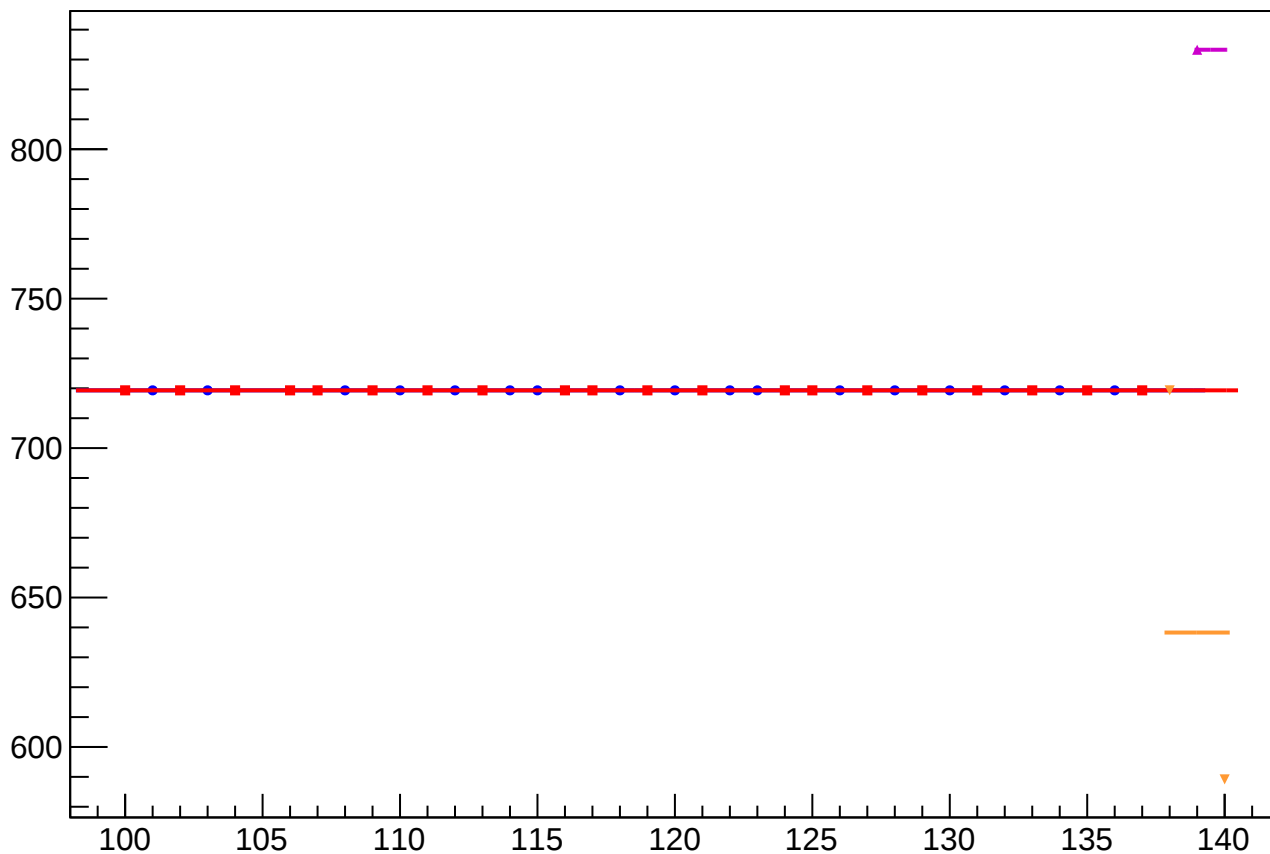
Right Out: -84.386+/-190.981 χ^2/NDF : 0.0/19

Left In: 1111.054+/-979.291 χ^2/NDF : 0.0/0

61.946+/-192.678 χ^2/NDF : 6.3/18

-40.586+/-187.450 χ^2/NDF : 1.4/20

asym_sam_3726_avg_rms vs Slug



Right In: 719.321+/-0.146 χ^2/NDF : 0.0/16

Left Out: 638.287+/-0.371 χ^2/NDF :28918.9/1

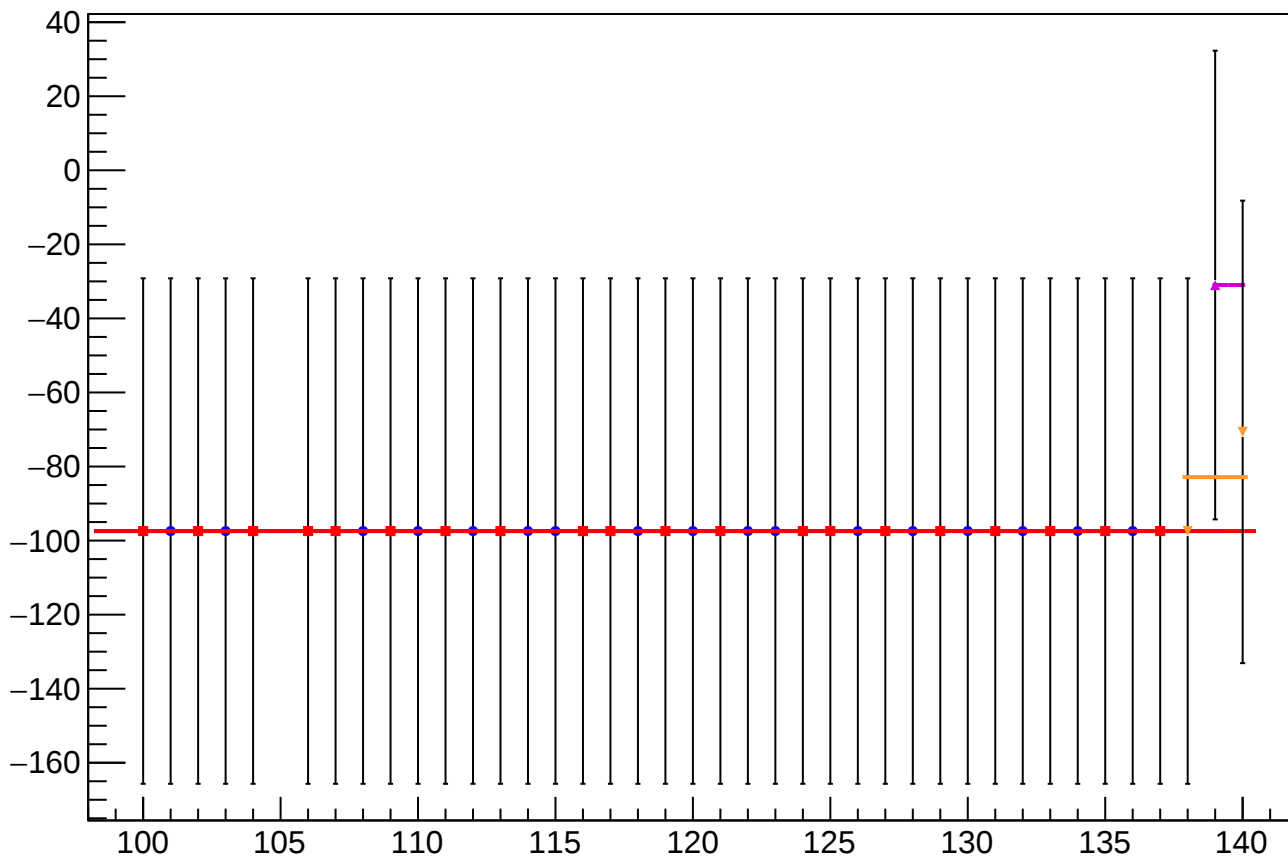
Right Out: 719.321+/-0.135 χ^2/NDF : 0.0/19

Left In: 833.280+/-0.692 χ^2/NDF :0.0/0

708.395+/-0.136 χ^2/NDF : 70183.9/18

723.496+/-0.133 χ^2/NDF : 26091.3/20

reg_asym_sam_15_48_dd_mean vs Slug



Right In: -97.426+/-16.555 χ^2/NDF : 0.0/16

Left Out: -82.849+/-46.076 χ^2/NDF : 0.1/1

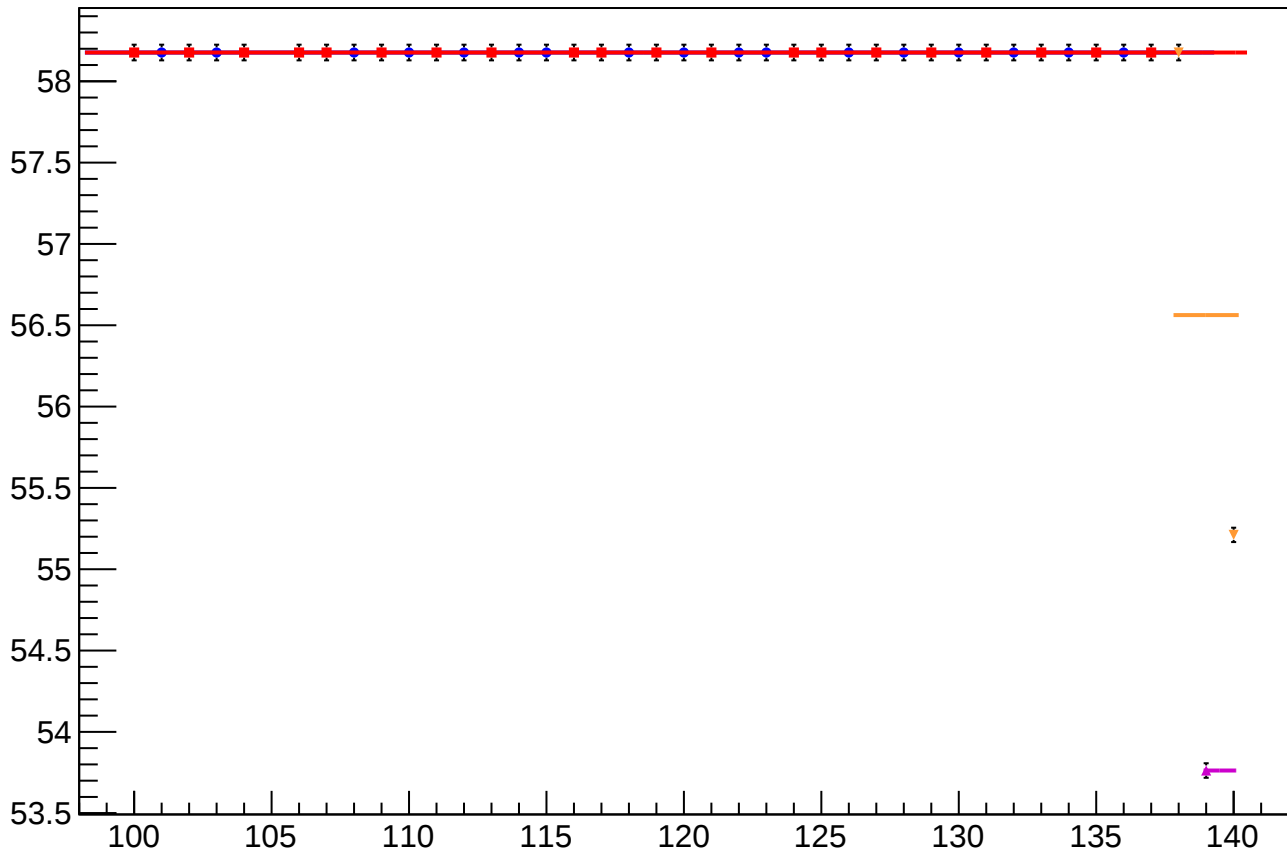
Right Out: -97.426+/-15.263 χ^2/NDF : 0.0/19

Left In: -30.985+/-63.293 χ^2/NDF : 0.0/0

-95.760+/-15.580 χ^2/NDF : 0.2/18

-93.775+/-14.837 χ^2/NDF : 1.0/20

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 58.177+/-0.012 χ^2/NDF : 0.0/16

Left Out: 56.563+/-0.033 χ^2/NDF : 2055.1/1

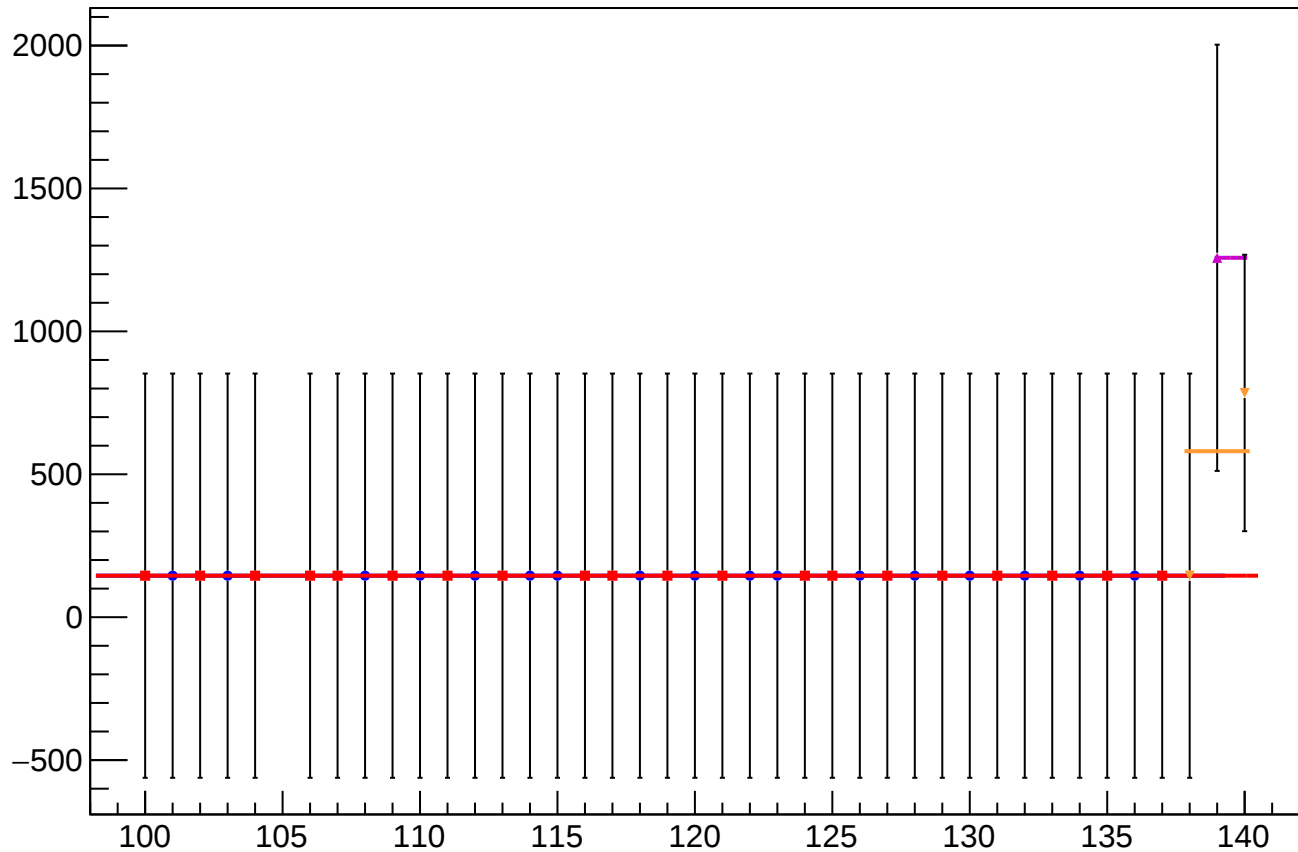
Right Out: 58.177+/-0.011 χ^2/NDF : 0.0/19

Left In: 53.762+/-0.045 χ^2/NDF : 0.0/0

57.992+/-0.011 χ^2/NDF : 4229.4/18

57.934+/-0.010 χ^2/NDF : 9194.2/20

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 145.219+/-171.503 χ^2/NDF : 0.0/16

Left Out: 580.782+/-399.160 χ^2/NDF : 0.6/1

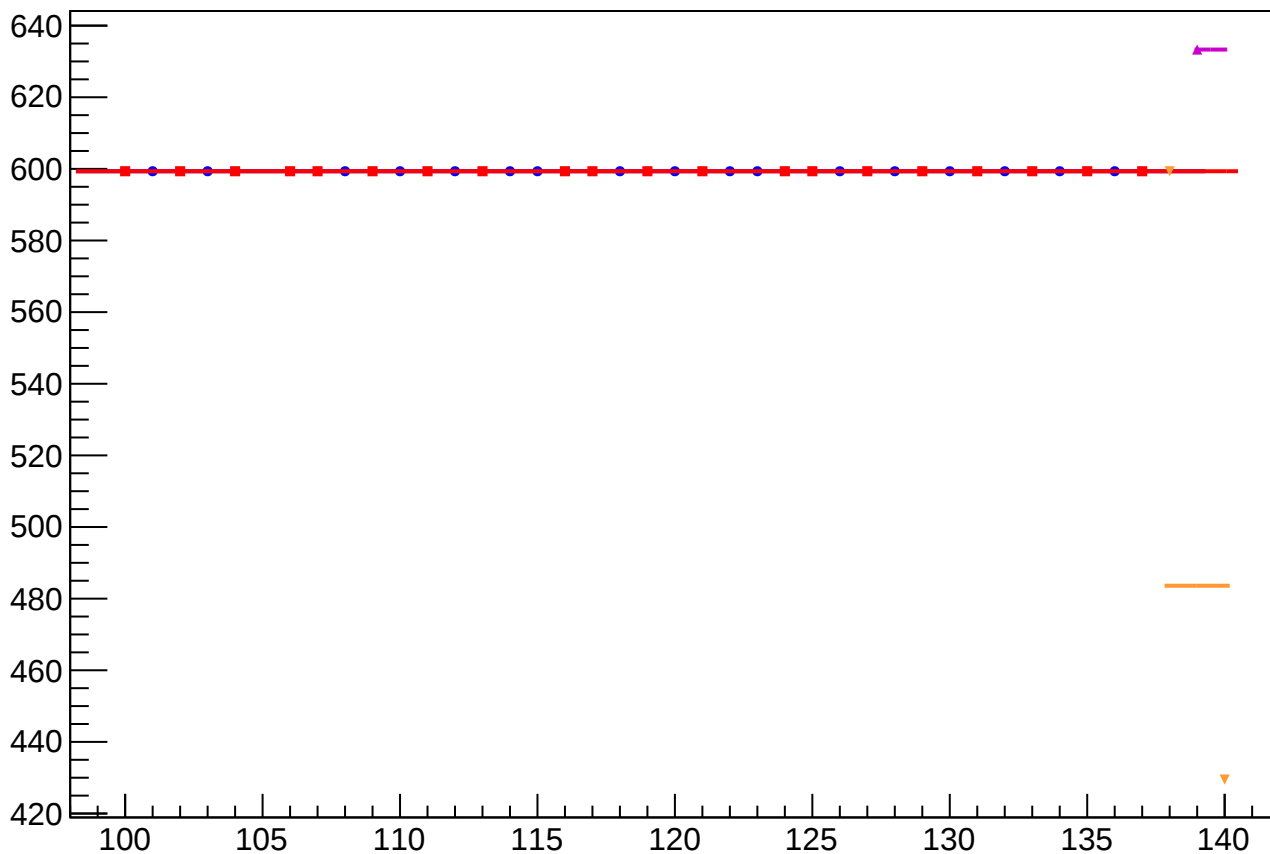
Right Out: 145.219+/-158.118 χ^2/NDF : 0.0/19

Left In: 1257.431+/-745.634 χ^2/NDF : 0.0/0

213.097+/-157.574 χ^2/NDF : 1.6/18

193.082+/-154.679 χ^2/NDF : 2.1/20

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 599.340 $\pm$ 0.121 χ^2 /NDF: 0.0/16

Left Out: 483.604 $\pm$ 0.282 χ^2 /NDF: 78630.7/1

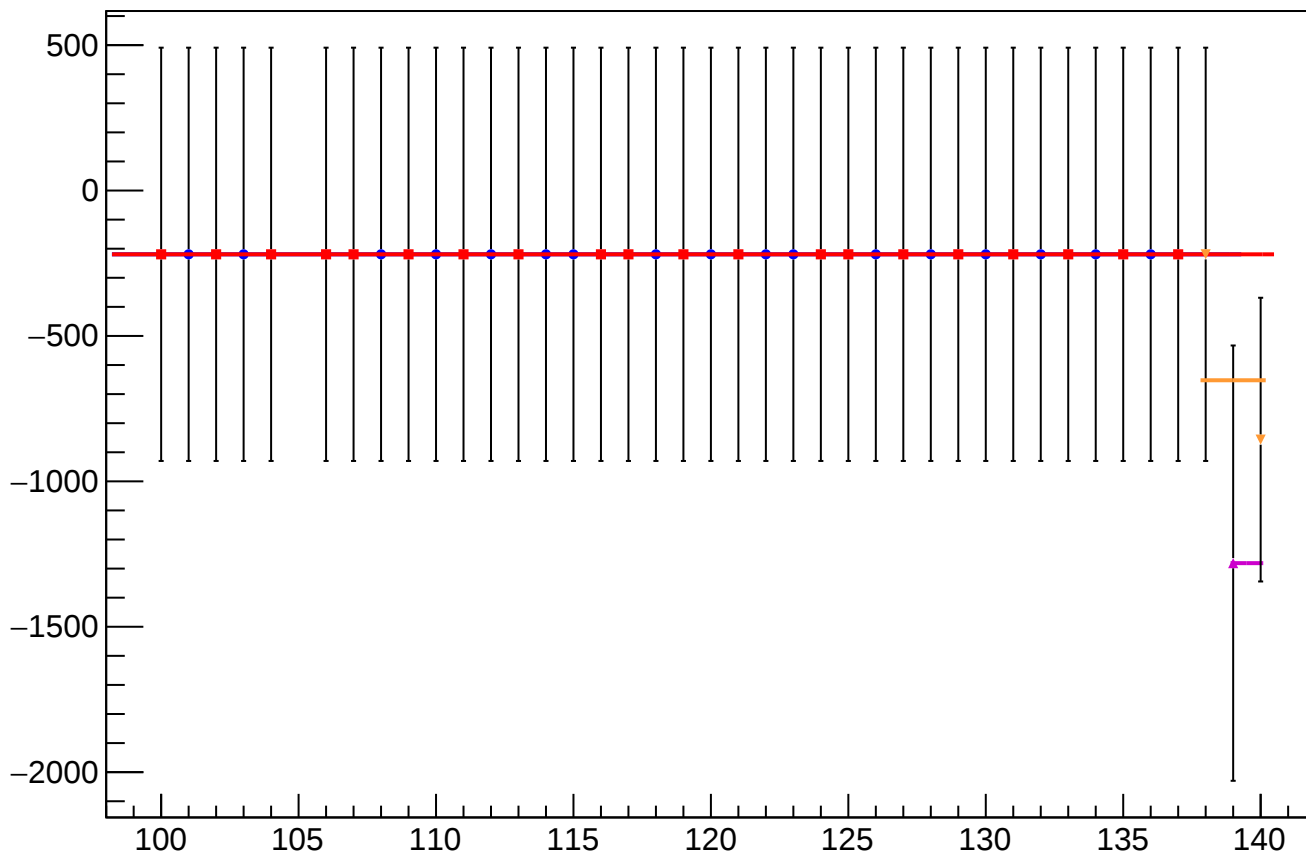
Right Out: 599.340 $\pm$ 0.112 χ^2 /NDF: 0.0/19

Left In: 633.317 $\pm$ 0.527 χ^2 /NDF: 0.0/0

581.304 $\pm$ 0.111 χ^2 /NDF: 220567.0/18

600.802 $\pm$ 0.109 χ^2 /NDF: 3974.2/20

asym_sam_15_48_dd_mean vs Slug



Right In: -219.315+/-172.344 χ^2/NDF : 0.0/16

Left Out: -652.407+/-402.161 χ^2/NDF : 0.5/1

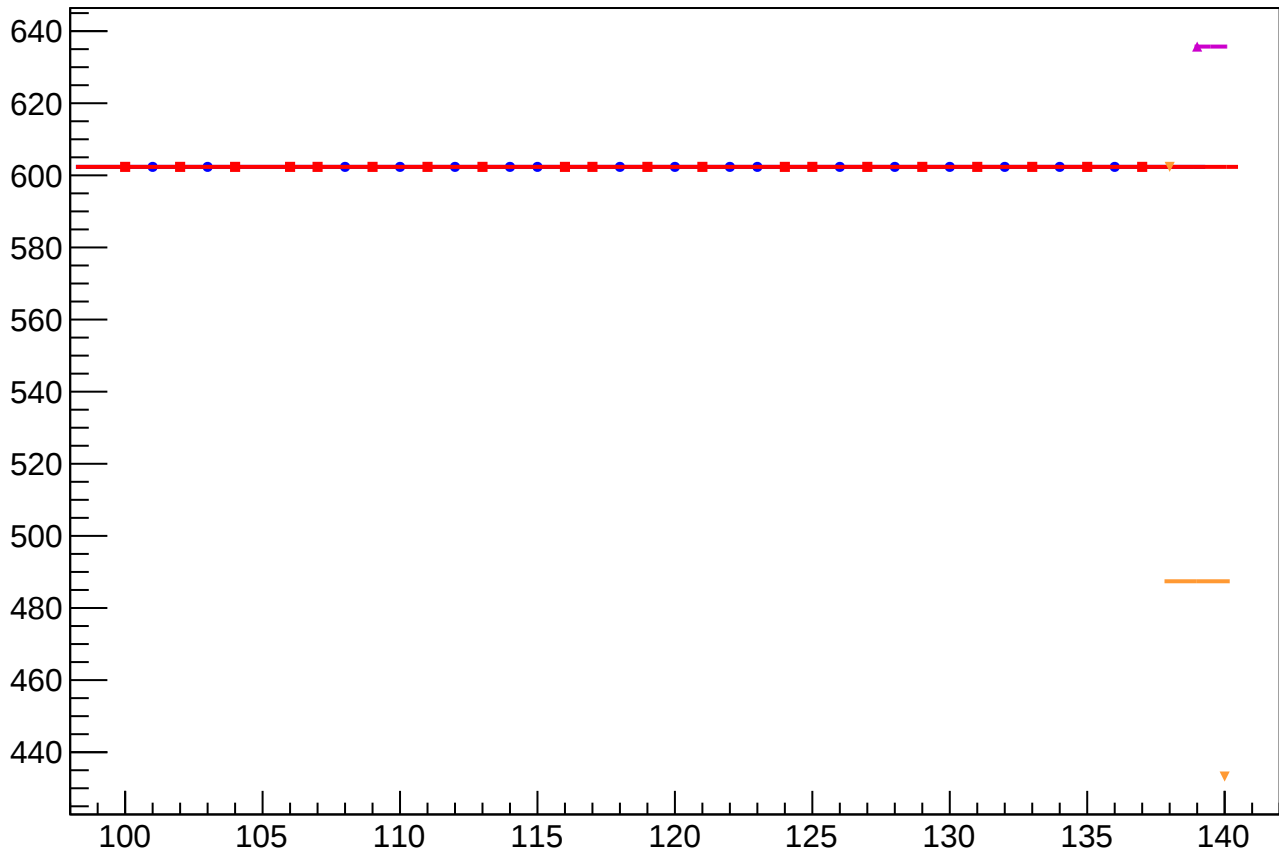
Right Out: -219.315+/-158.893 χ^2/NDF : 0.0/19

Left In: -1281.269+/-748.427 χ^2/NDF : 0.0/0

-286.512+/-158.411 χ^2/NDF : 1.5/18

-265.116+/-155.429 χ^2/NDF : 1.9/20

asym_sam_15_48_dd_rms vs Slug



Right In: 602.349 $\pm$ 0.122 χ^2 /NDF: 0.0/16

Left Out: 487.412 $\pm$ 0.284 χ^2 /NDF: 76982.4/1

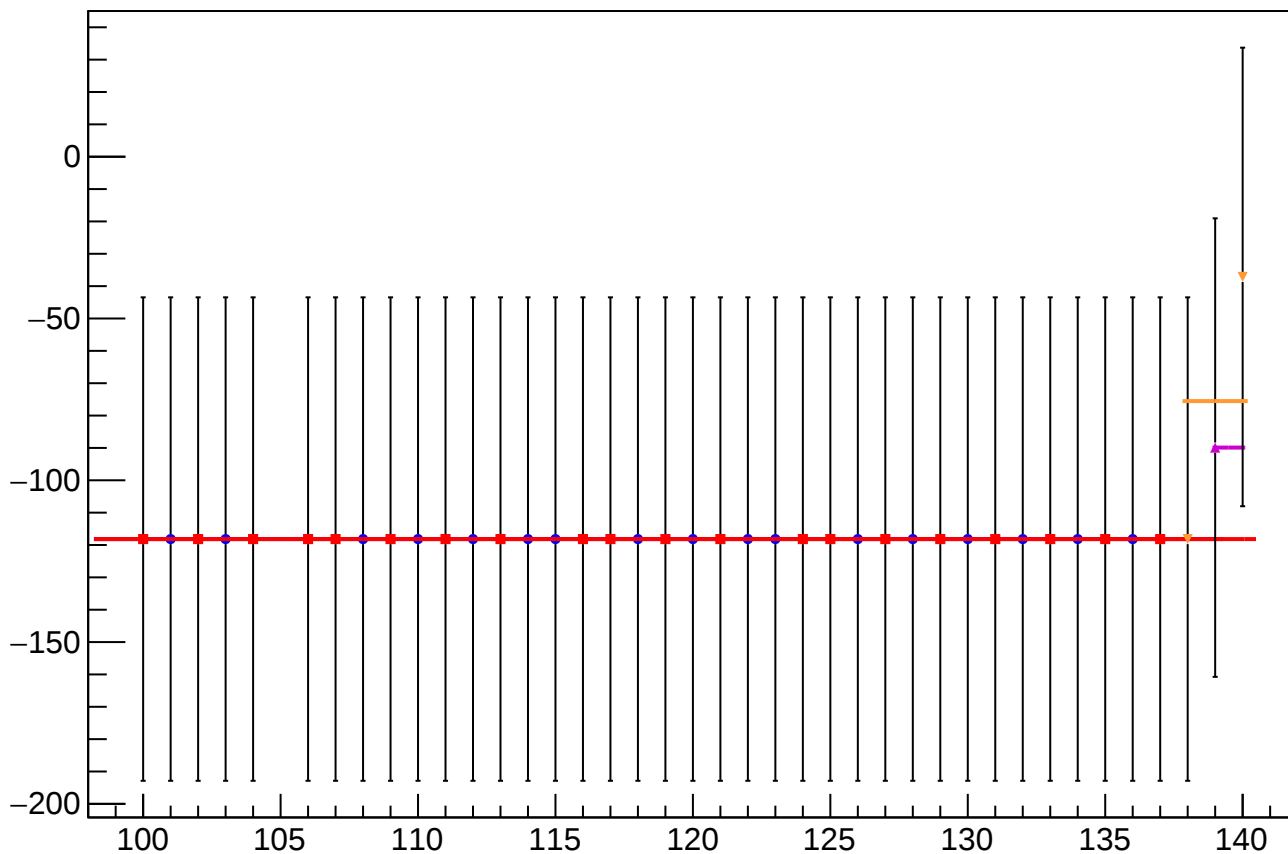
Right Out: 602.349 $\pm$ 0.112 χ^2 /NDF: 0.0/19

Left In: 635.714 $\pm$ 0.529 χ^2 /NDF: 0.0/0

584.515 $\pm$ 0.112 χ^2 /NDF: 214997.1/18

603.788 $\pm$ 0.110 χ^2 /NDF: 3803.5/20

reg asym sam 37 48 dd mean vs Slug



Right In: -118.166+/-18.119 χ^2/NDF : 0.0/16

-113.455+/-17.089 χ^2/NDF : 1.2/18

Left Out: -75.524+/-51.412 χ^2/NDF :0.6/1

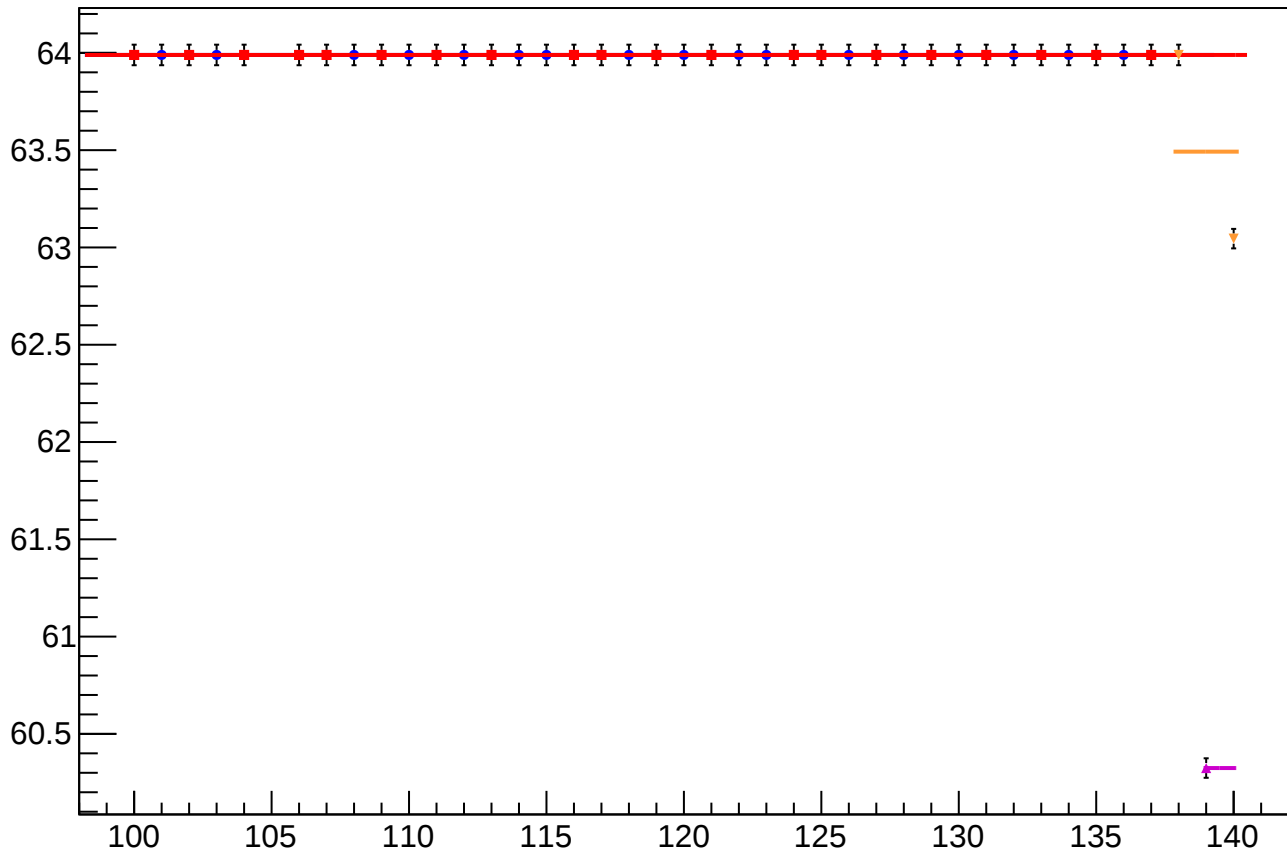
-113.455+/-17.089 χ^2/NDF : 1.2/18

Right Out: -118.166 ± 16.705 χ^2/NDF : 0.0/19

-116.677+/-16.259 χ^2/NDF : 0.2/20

Left In: -89.896+/-70.855 χ^2/NDF :0.0/0

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.989 $\pm$ 0.013 χ^2 /NDF: 0.0/16

Left Out: 63.492 $\pm$ 0.036 χ^2 /NDF:168.1/1

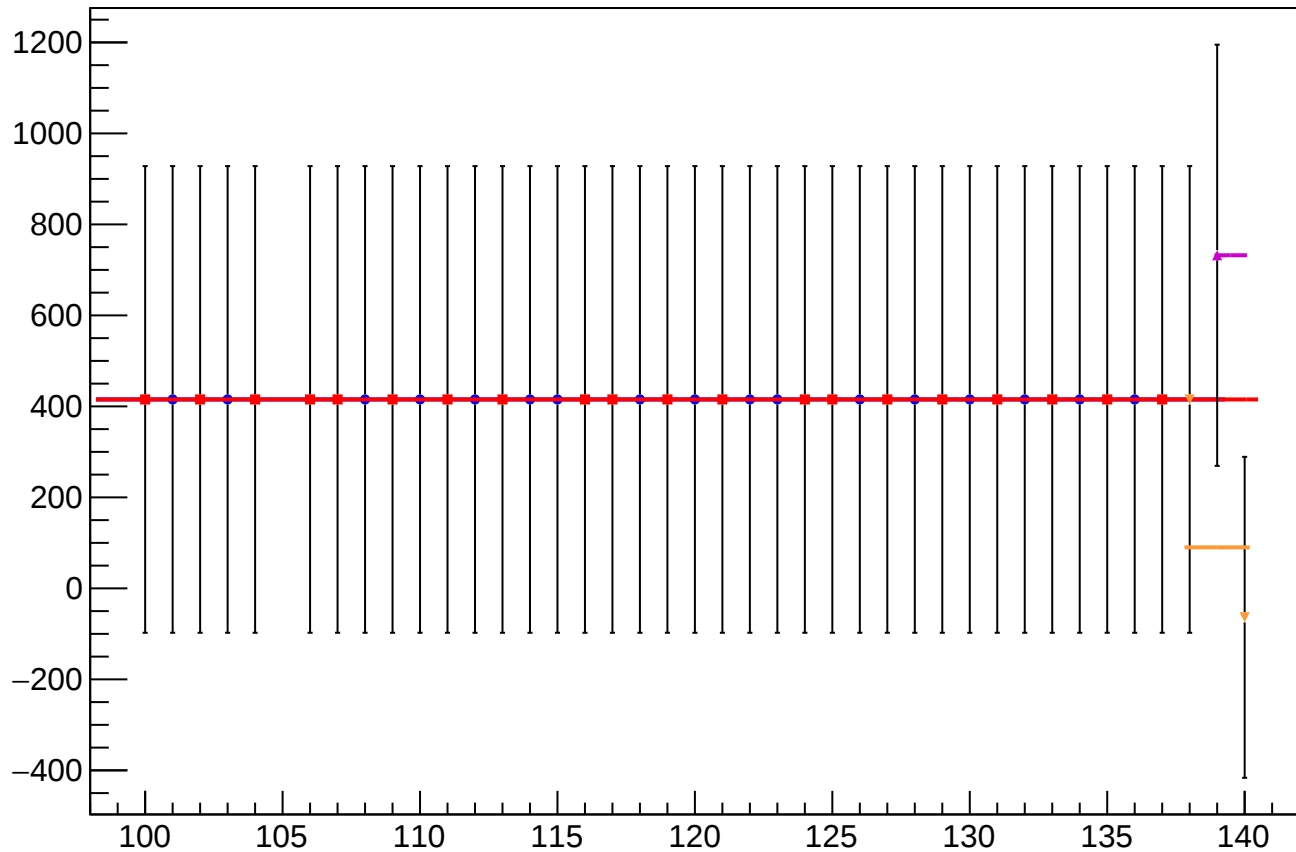
Right Out: 63.989 $\pm$ 0.012 χ^2 /NDF: 0.0/19

Left In: 60.324 $\pm$ 0.050 χ^2 /NDF:0.0/0

63.934 $\pm$ 0.012 χ^2 /NDF: 334.4/18

63.796 $\pm$ 0.011 χ^2 /NDF: 5069.2/20

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 415.260 $\pm$ 124.389 χ^2 /NDF: 0.0/16

Left Out: 90.141 $\pm$ 290.628 χ^2 /NDF: 0.6/1

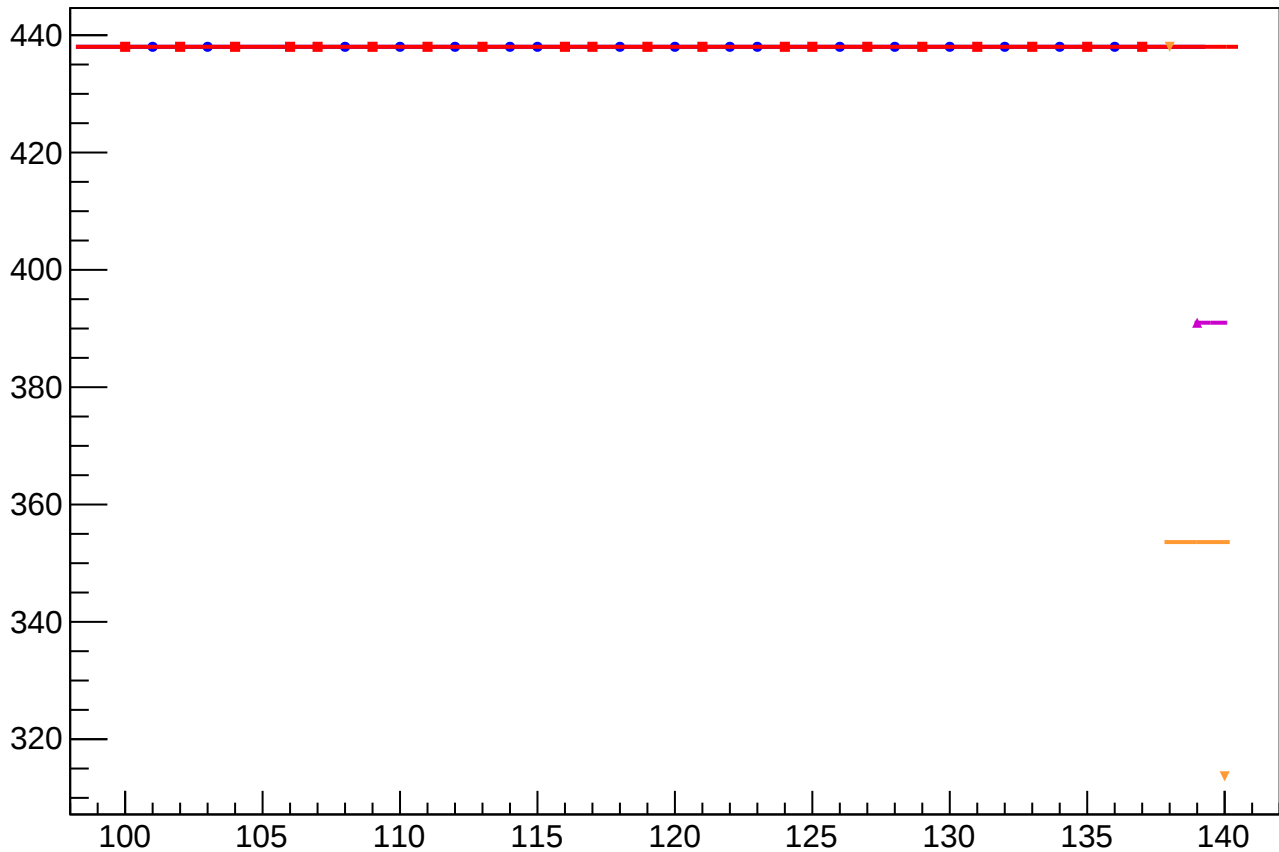
Right Out: 415.260 $\pm$ 114.681 χ^2 /NDF: 0.0/19

Left In: 732.152 $\pm$ 462.893 χ^2 /NDF: 0.0/0

364.924 $\pm$ 114.355 χ^2 /NDF: 1.6/18

433.586 $\pm$ 111.316 χ^2 /NDF: 0.4/20

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 438.022 $\pm$ 0.088 χ^2 /NDF: 0.0/16

Left Out: 353.602 $\pm$ 0.206 χ^2 /NDF: 79820.1/1

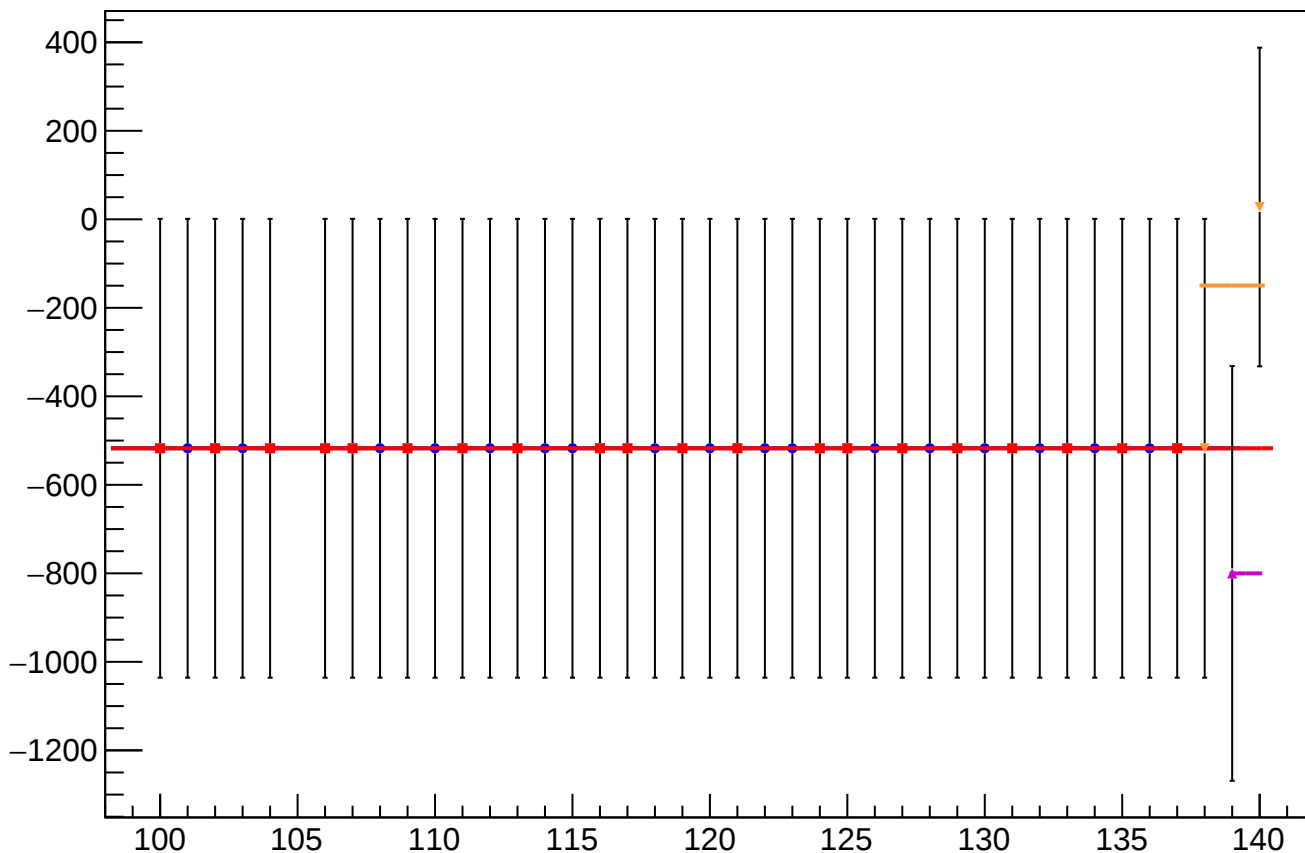
Right Out: 438.022 $\pm$ 0.081 χ^2 /NDF: 0.0/19

Left In: 390.991 $\pm$ 0.327 χ^2 /NDF: 0.0/0

424.952 $\pm$ 0.081 χ^2 /NDF: 222444.7/18

435.302 $\pm$ 0.079 χ^2 /NDF: 19452.0/20

asym_sam_37_48_dd_mean vs Slug



Right In: -517.375+/-125.736 χ^2/NDF : 0.0/16

Left Out: -149.584+/-295.724 χ^2/NDF : 0.7/1

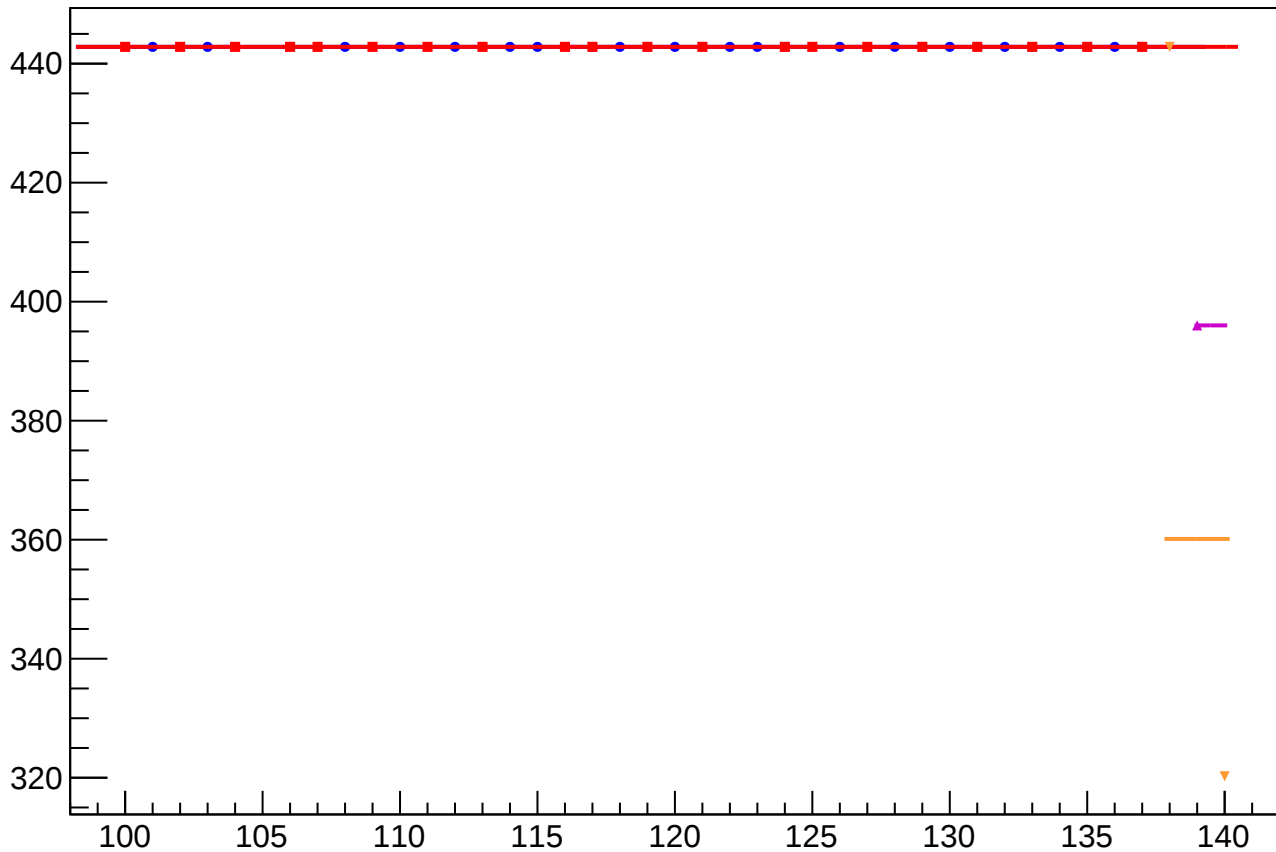
Right Out: -517.375+/-115.923 χ^2/NDF : 0.0/19

Left In: -800.159+/-468.645 χ^2/NDF : 0.0/0

-461.066+/-115.711 χ^2/NDF : 2.1/18

-533.680+/-112.532 χ^2/NDF : 0.3/20

asym_sam_37_48_dd_rms vs Slug



Right In: 442.822 $\pm$ 0.089 χ^2 /NDF: 0.0/16

Left Out: 360.129 $\pm$ 0.209 χ^2 /NDF: 75429.8/1

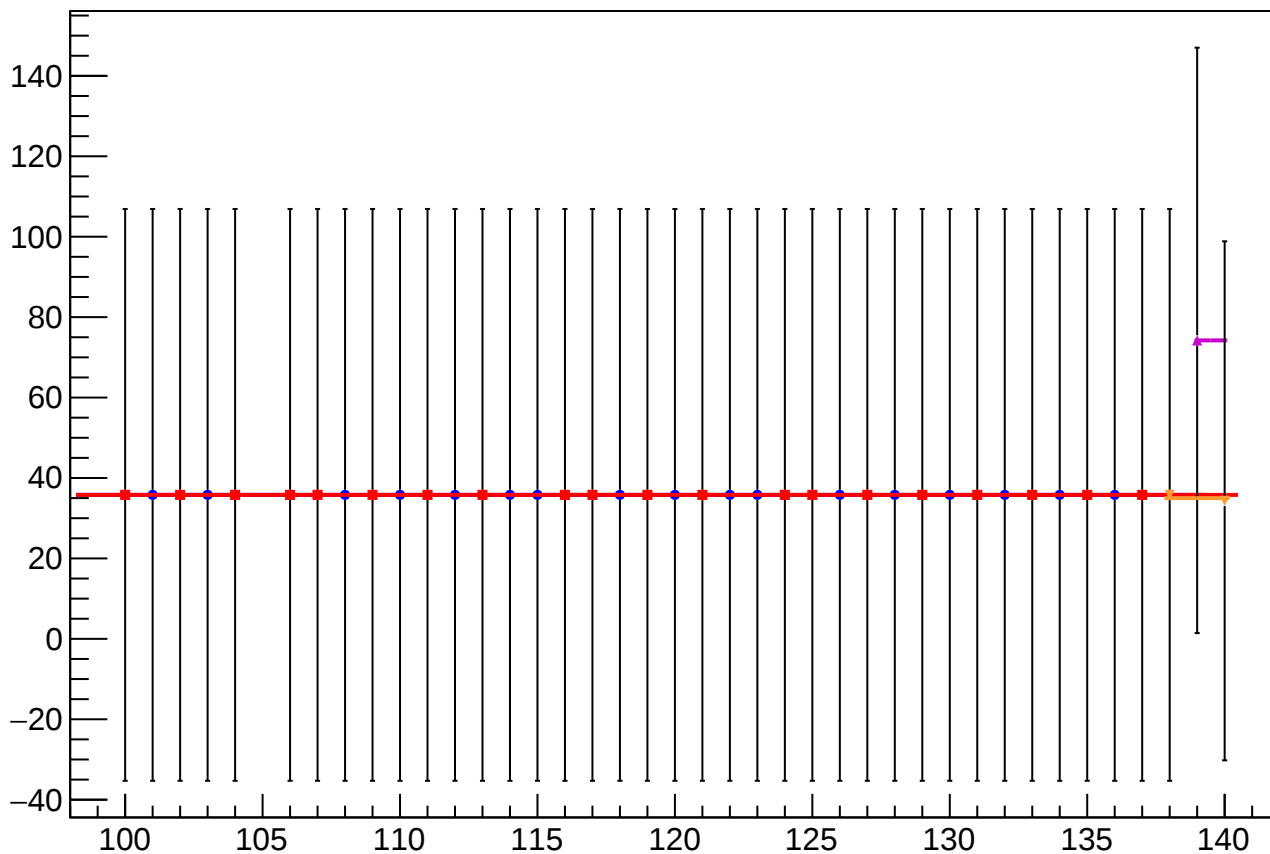
Right Out: 442.822 $\pm$ 0.082 χ^2 /NDF: 0.0/19

Left In: 396.013 $\pm$ 0.331 χ^2 /NDF: 0.0/0

430.162 $\pm$ 0.082 χ^2 /NDF: 207871.2/18

440.123 $\pm$ 0.080 χ^2 /NDF: 18802.3/20

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 35.799+/-17.244 χ^2/NDF : 0.0/16

35.706+/-16.220 χ^2/NDF : 0.0/18

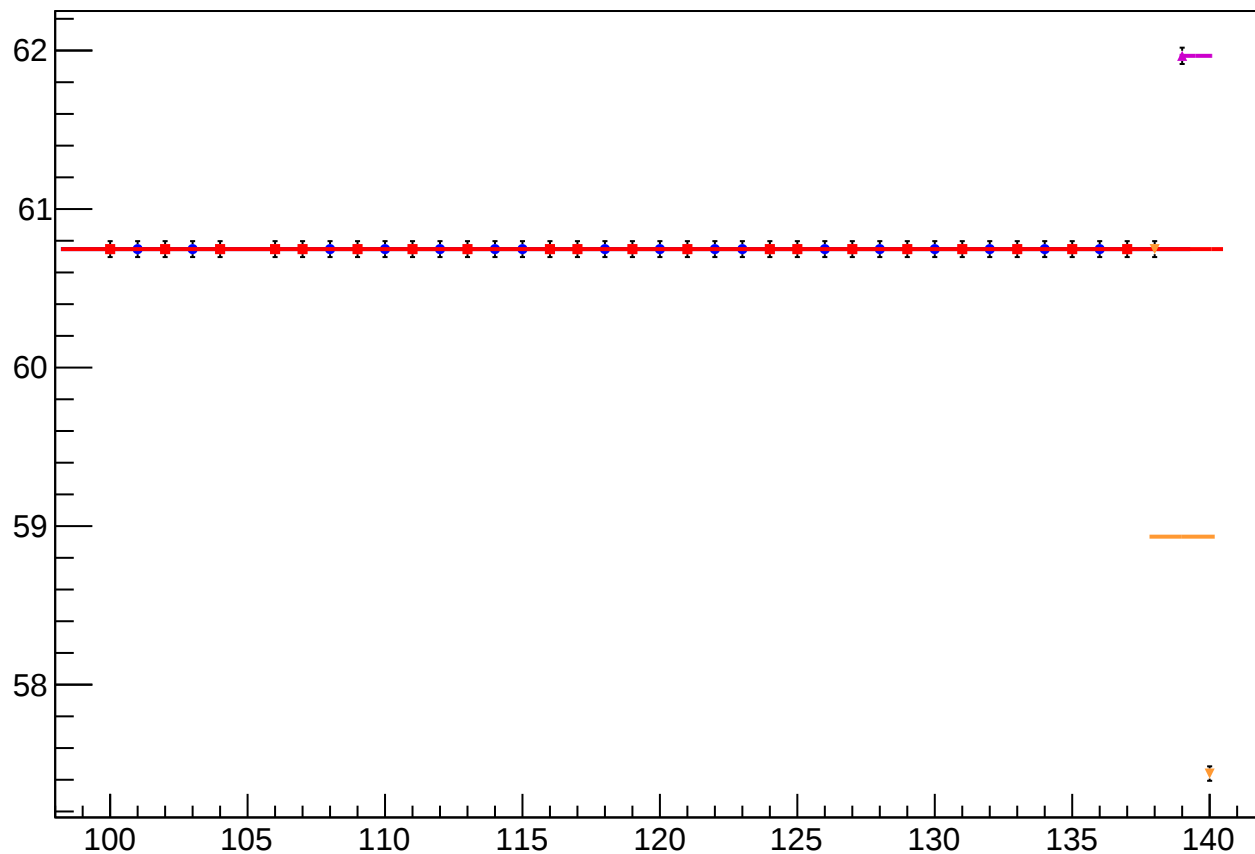
Left Out: 34.989+/-47.786 χ^2/NDF : 0.0/1

Right Out: 35.799+/-15.898 χ^2/NDF : 0.0/19

37.549+/-15.532 χ^2/NDF : 0.3/20

Left In: 74.219+/-72.793 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 60.747 $\pm$ 0.012 χ^2 /NDF: 0.0/16

Left Out: 58.933 $\pm$ 0.034 χ^2 /NDF: 2374.0/1

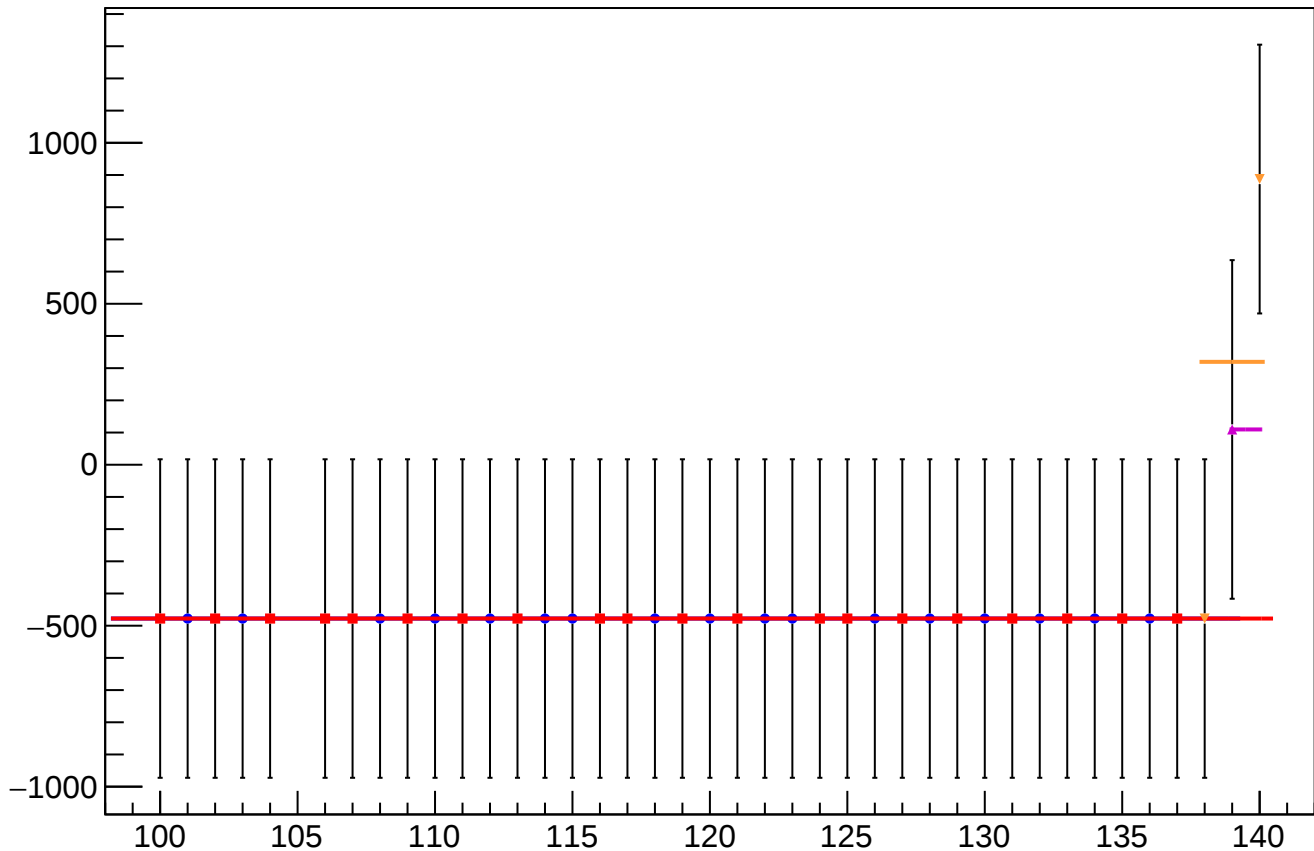
Right Out: 60.747 $\pm$ 0.011 χ^2 /NDF: 0.0/19

Left In: 61.966 $\pm$ 0.051 χ^2 /NDF: 0.0/0

60.538 $\pm$ 0.011 χ^2 /NDF: 4923.6/18

60.803 $\pm$ 0.011 χ^2 /NDF: 535.5/20

asym_sam_15_26_dd_correction_mean vs Slug



Right In: -477.757+/-119.983 χ^2 /NDF: 0.0/16

Left Out: 319.609+/-319.042 χ^2 /NDF:4.4/1

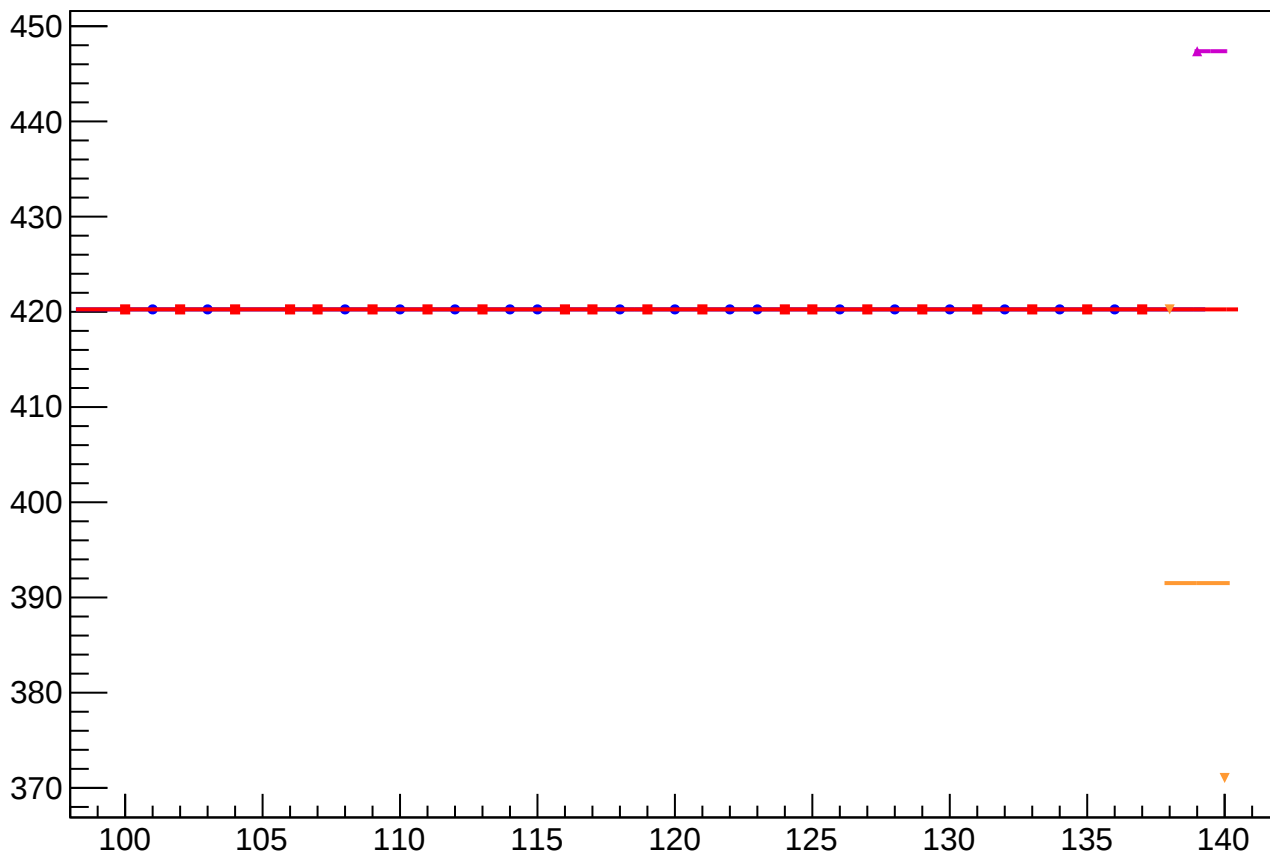
-378.958+/-112.304 χ^2 /NDF: 9.9/18

Right Out: -477.757+/-110.619 χ^2 /NDF: 0.0/19

-452.871+/-108.251 χ^2 /NDF: 1.2/20

Left In: 109.630+/-525.911 χ^2 /NDF:0.0/0

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 420.257+/-0.085 χ^2/NDF : 0.0/16

Left Out: 391.511+/-0.226 χ^2/NDF : 11561.5/1

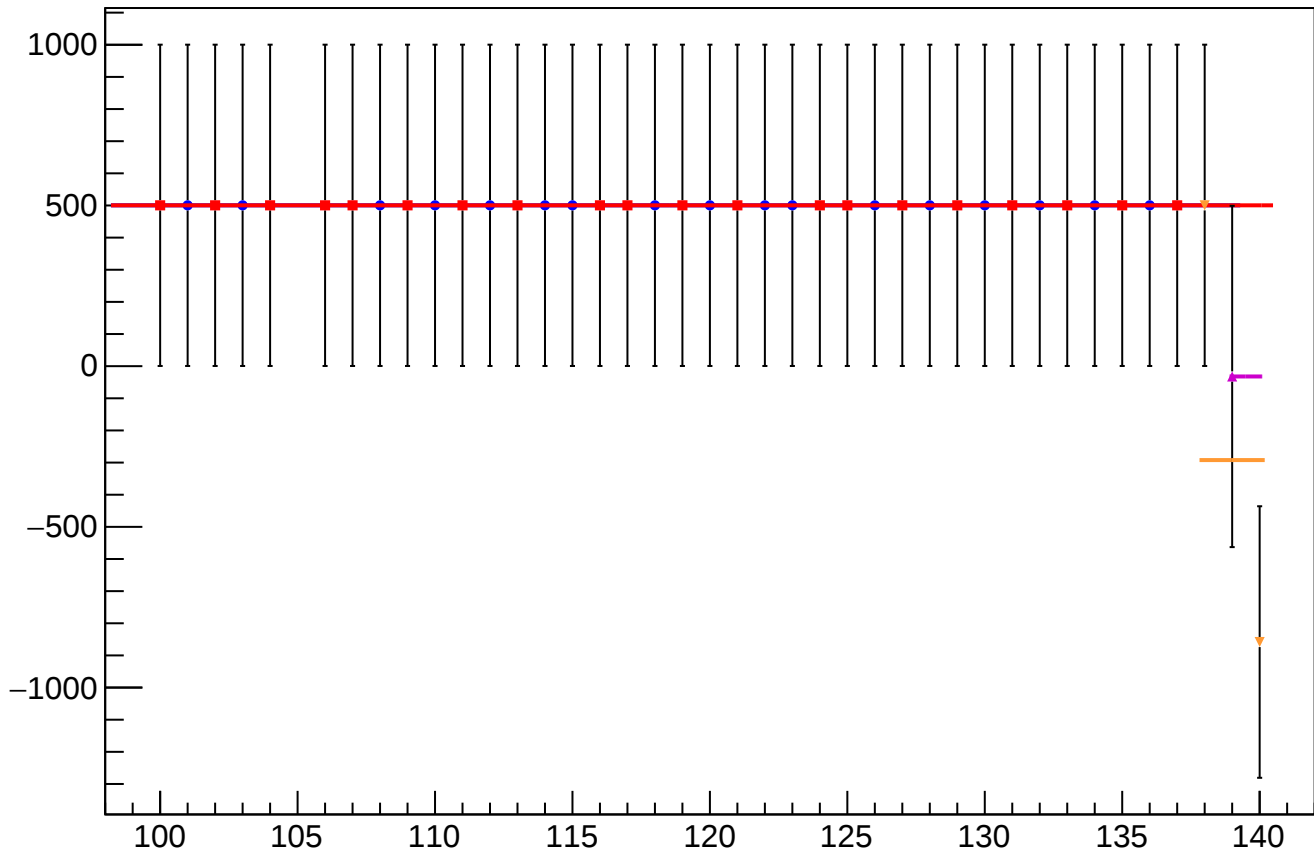
Right Out: 420.257+/-0.078 χ^2/NDF : 0.0/19

Left In: 447.373+/-0.372 χ^2/NDF : 0.0/0

416.695+/-0.079 χ^2/NDF : 25786.1/18

421.406+/-0.077 χ^2/NDF : 5091.8/20

asym_sam_15_26_dd_mean vs Slug



Right In: 500.448 $\pm$ 121.238 χ^2 /NDF: 0.0/16

Left Out: -292.206 $\pm$ 322.659 χ^2 /NDF:4.3/1

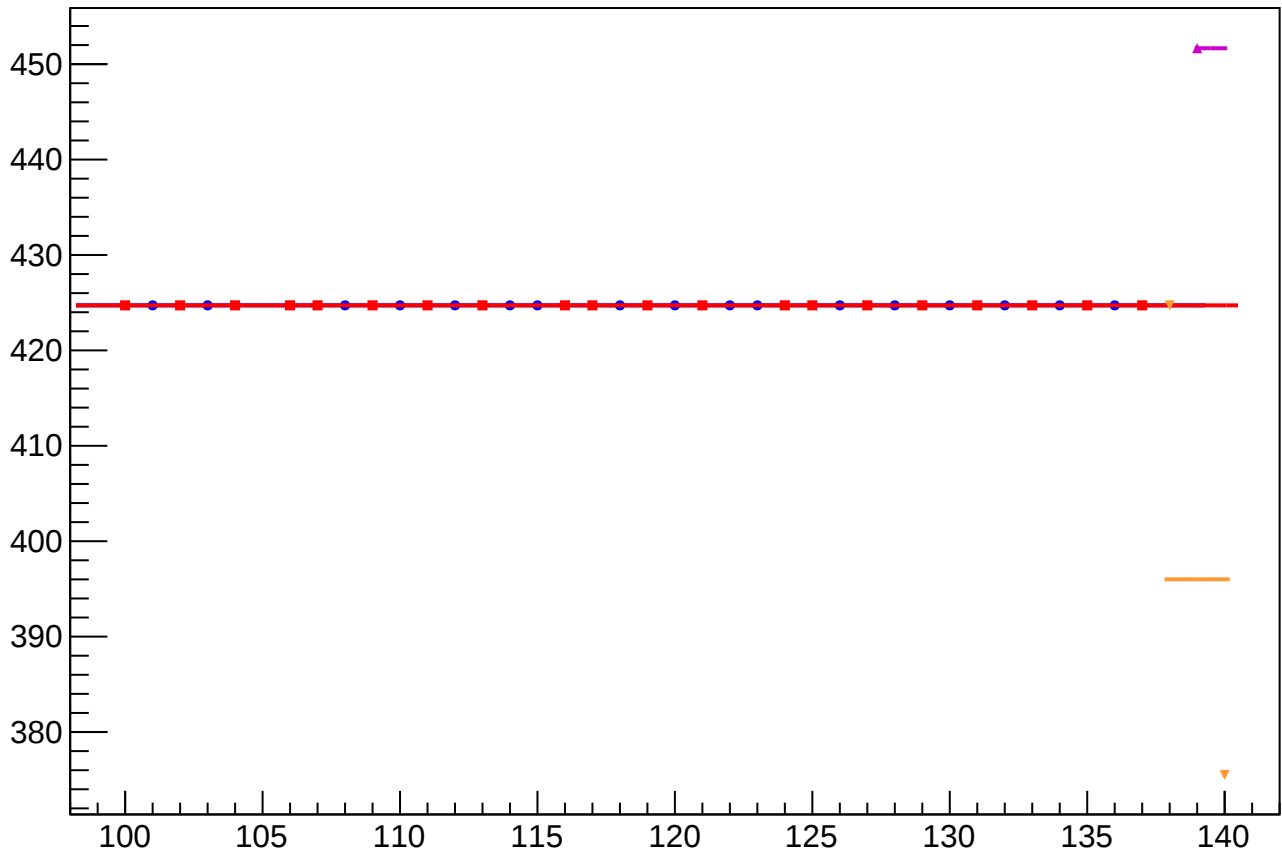
Right Out: 500.448 $\pm$ 111.776 χ^2 /NDF: 0.0/19

Left In: -32.054 $\pm$ 530.946 χ^2 /NDF:0.0/0

402.383 $\pm$ 113.491 χ^2 /NDF: 9.6/18

477.849 $\pm$ 109.378 χ^2 /NDF: 1.0/20

asym_sam_15_26_dd_rms vs Slug



Right In: 424.721+/-0.086 χ^2/NDF : 0.0/16

Left Out: 396.009+/-0.228 χ^2/NDF :11310.8/1

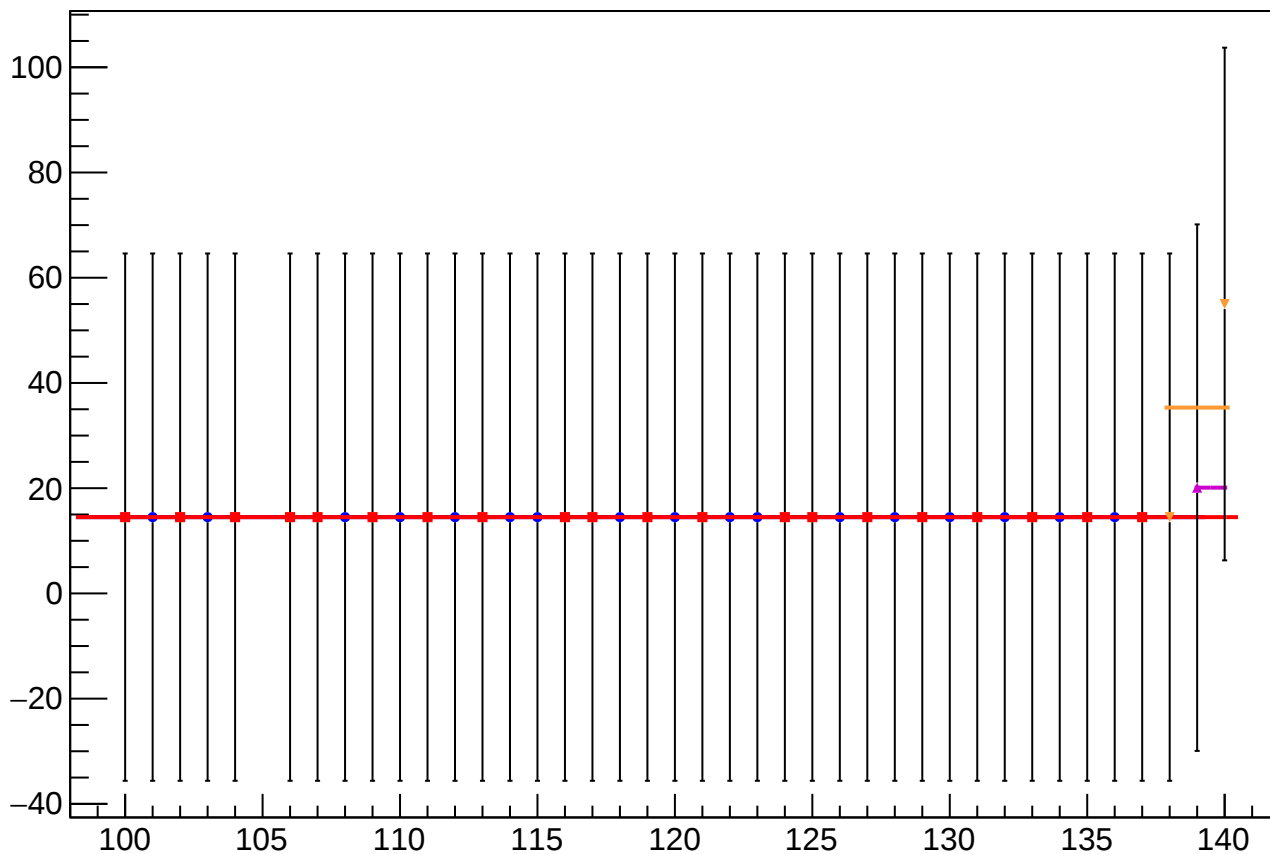
Right Out: 424.721+/-0.079 χ^2/NDF : 0.0/19

Left In: 451.667+/-0.375 χ^2/NDF :0.0/0

421.168+/-0.080 χ^2/NDF : 25188.3/18

425.864+/-0.077 χ^2/NDF : 4932.9/20

reg_asym_sam_37_26_dd_mean vs Slug



Right In: 14.497 $\pm$ 12.154 χ^2 /NDF: 0.0/16

Left Out: 35.320 $\pm$ 34.932 χ^2 /NDF:0.3/1

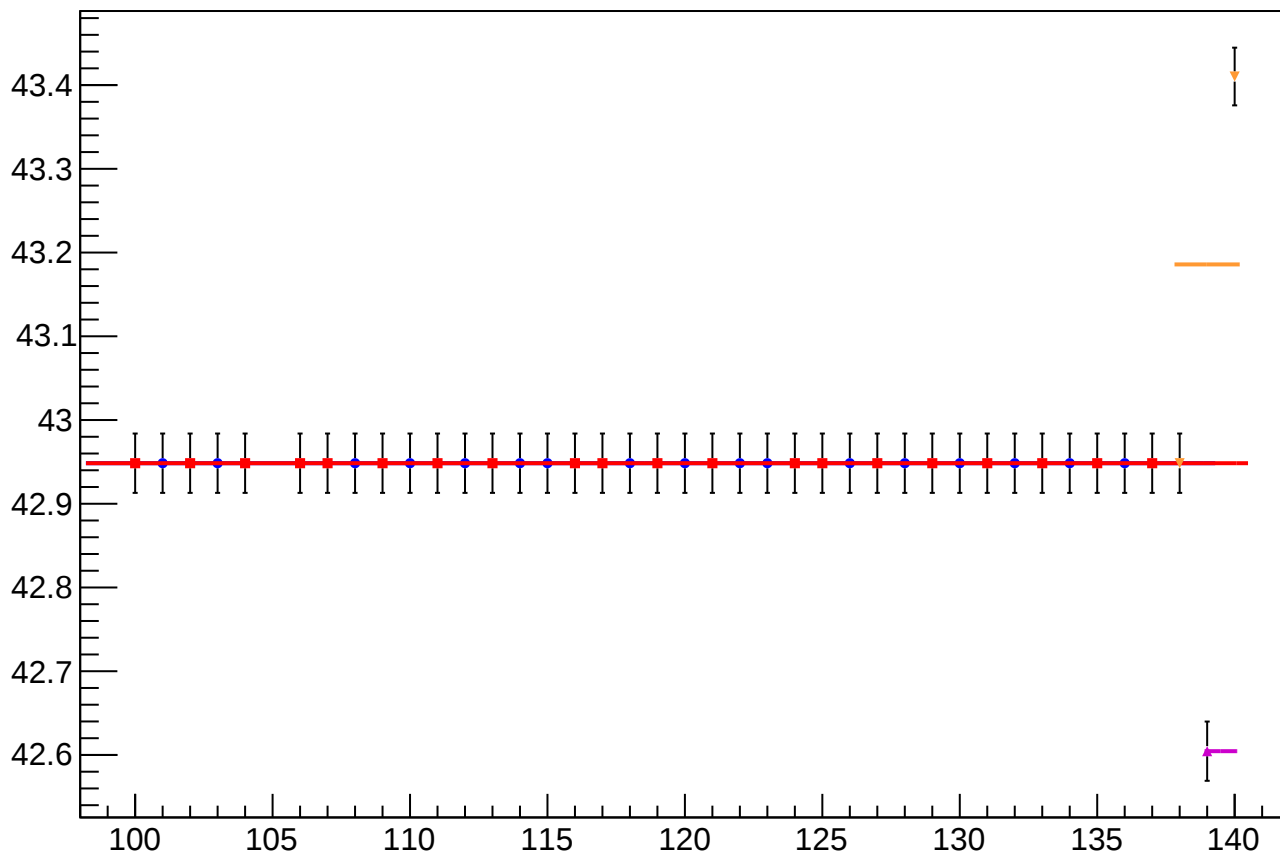
Right Out: 14.497 $\pm$ 11.205 χ^2 /NDF: 0.0/19

Left In: 20.102 $\pm$ 50.034 χ^2 /NDF:0.0/0

16.745 $\pm$ 11.479 χ^2 /NDF: 0.7/18

14.765 $\pm$ 10.934 χ^2 /NDF: 0.0/20

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 42.948 $\pm$ 0.009 χ^2 /NDF: 0.0/16

Left Out: 43.186 $\pm$ 0.025 χ^2 /NDF: 87.3/1

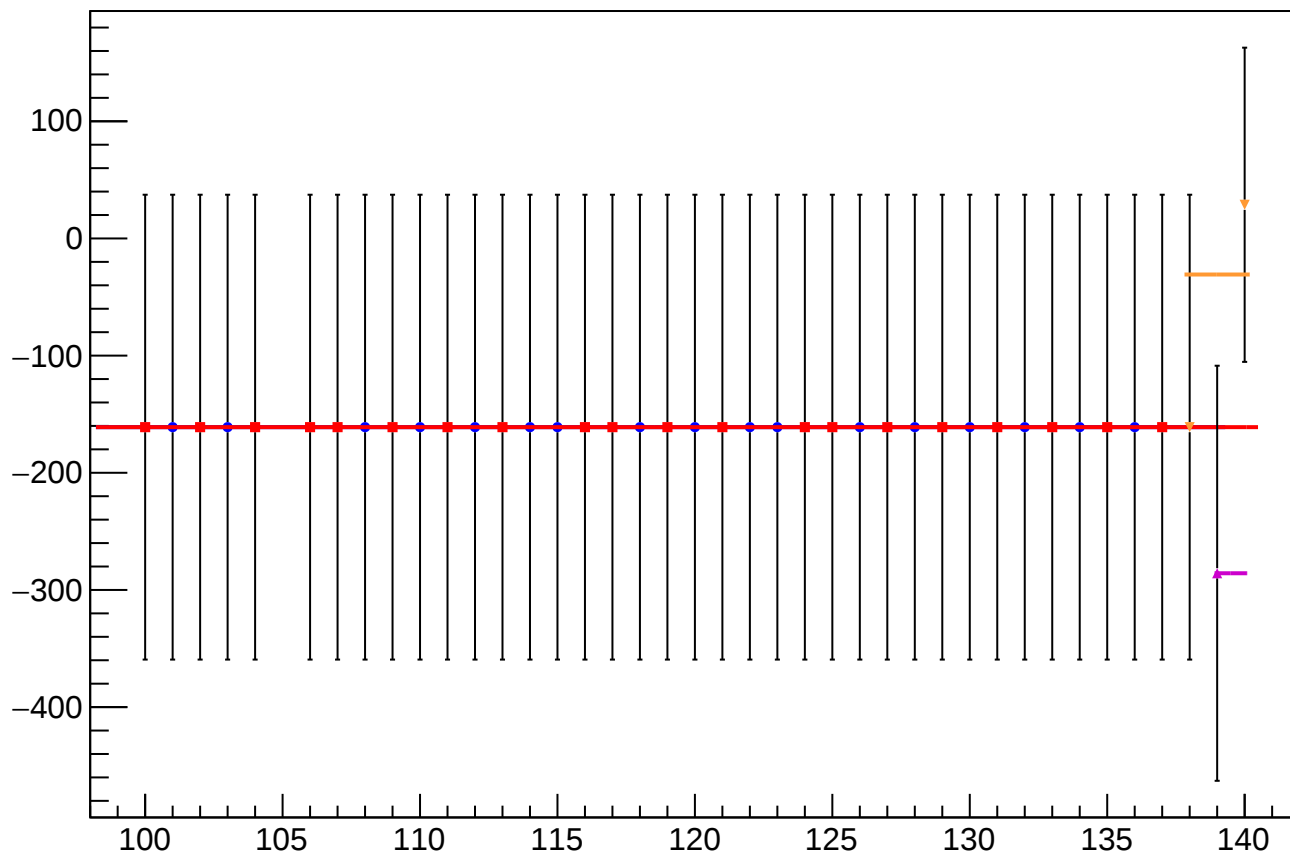
Right Out: 42.948 $\pm$ 0.008 χ^2 /NDF: 0.0/19

Left In: 42.605 $\pm$ 0.035 χ^2 /NDF: 0.0/0

42.974 $\pm$ 0.008 χ^2 /NDF: 169.7/18

42.932 $\pm$ 0.008 χ^2 /NDF: 90.0/20

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -161.053+/-48.113 χ^2/NDF : 0.0/16

Left Out: -30.777+/-111.090 χ^2/NDF : 0.6/1

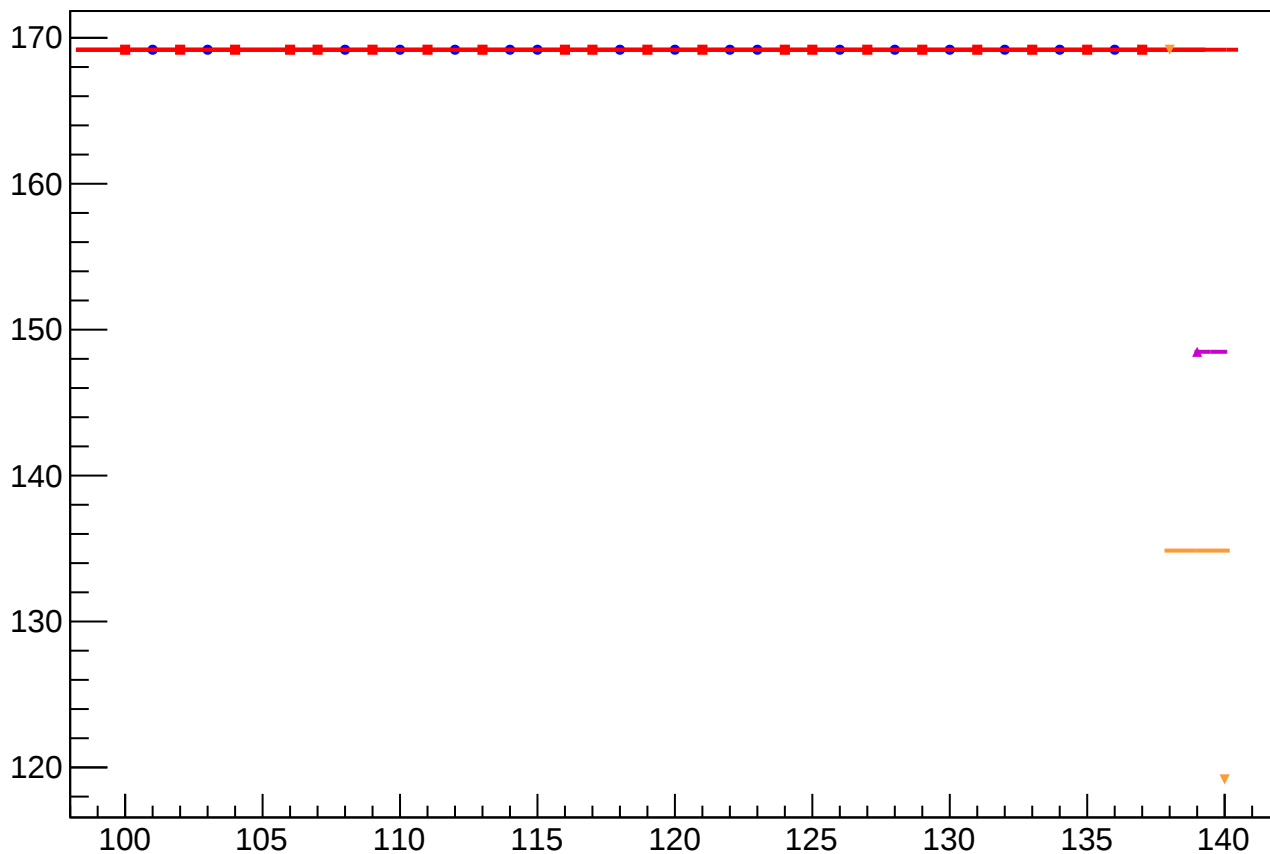
Right Out: -161.053+/-44.358 χ^2/NDF : 0.0/19

Left In: -285.755+/-177.131 χ^2/NDF : 0.0/0

-140.476+/-44.150 χ^2/NDF : 1.8/18

-168.412+/-43.030 χ^2/NDF : 0.5/20

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 169.186 $\pm$ 0.034 χ^2 /NDF: 0.0/16

Left Out: 134.860 $\pm$ 0.079 χ^2 /NDF:87239.6/1

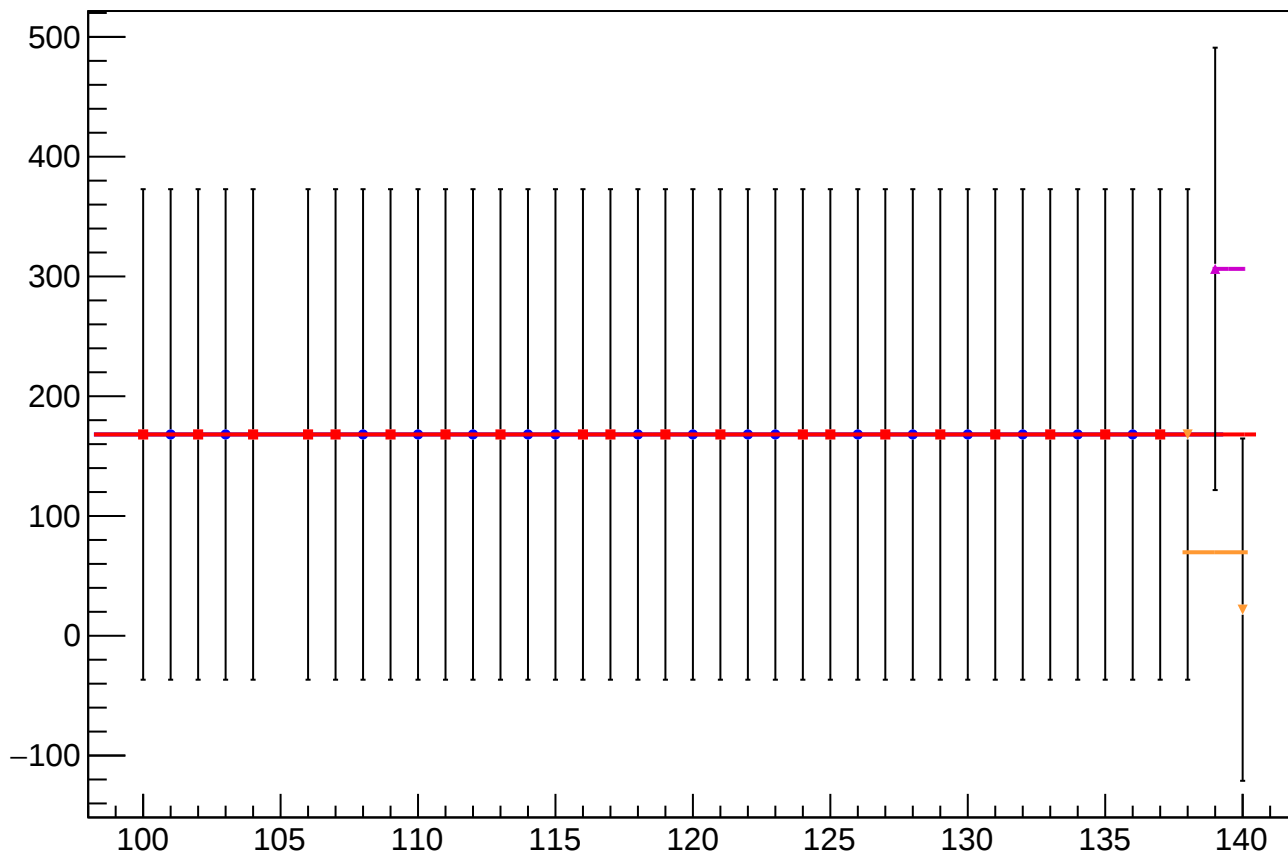
Right Out: 169.186 $\pm$ 0.031 χ^2 /NDF: 0.0/19

Left In: 148.484 $\pm$ 0.125 χ^2 /NDF:0.0/0

163.764 $\pm$ 0.031 χ^2 /NDF: 248030.9/18

167.964 $\pm$ 0.030 χ^2 /NDF: 25706.6/20

asym_sam_37_26_dd_mean vs Slug



Right In: 168.090 $\pm$ 49.667 χ^2 /NDF: 0.0/16

Left Out: 69.710 $\pm$ 117.188 χ^2 /NDF: 0.3/1

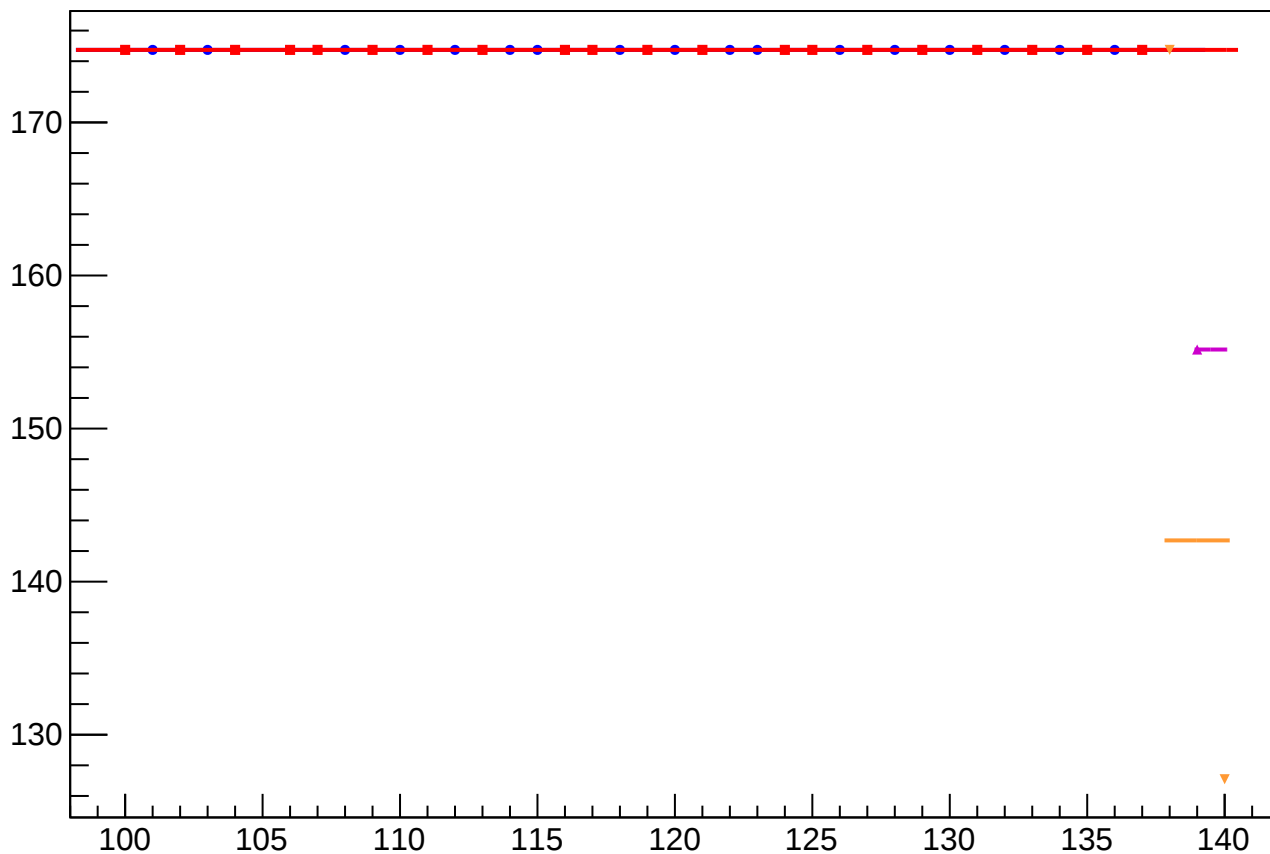
Right Out: 168.090 $\pm$ 45.791 χ^2 /NDF: 0.0/19

Left In: 306.336 $\pm$ 184.686 χ^2 /NDF: 0.0/0

153.109 $\pm$ 45.730 χ^2 /NDF: 0.9/18

176.096 $\pm$ 44.445 χ^2 /NDF: 0.5/20

asym_sam_37_26_dd_rms vs Slug



Right In: 174.739 $\pm$ 0.035 χ^2 /NDF: 0.0/16

Left Out: 142.695 $\pm$ 0.083 χ^2 /NDF: 72817.7/1

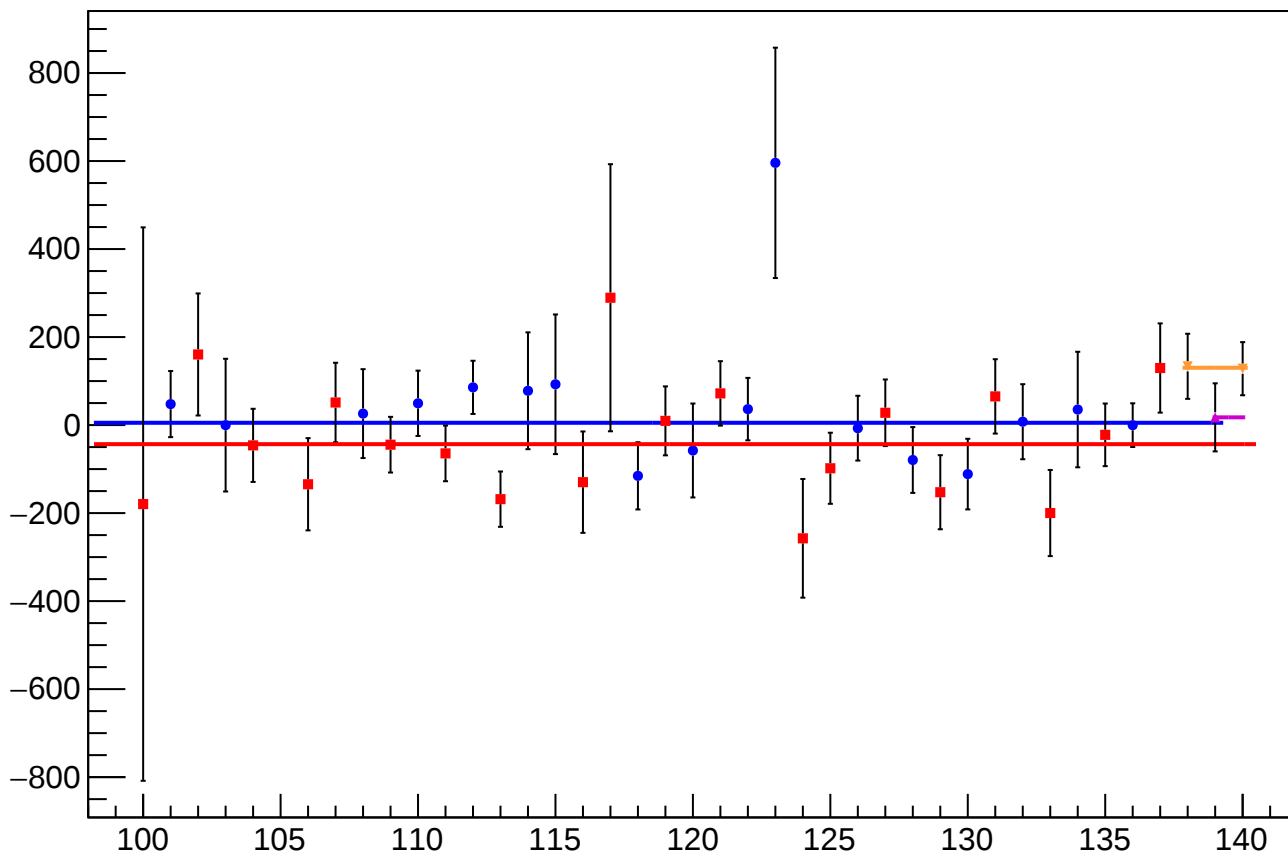
Right Out: 174.739 $\pm$ 0.032 χ^2 /NDF: 0.0/19

Left In: 155.164 $\pm$ 0.131 χ^2 /NDF: 0.0/0

169.859 $\pm$ 0.032 χ^2 /NDF: 199591.1/18

173.605 $\pm$ 0.031 χ^2 /NDF: 21166.2/20

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 130.287 ± 46.768 $\chi^2/\text{NDF}: 0.0/1$

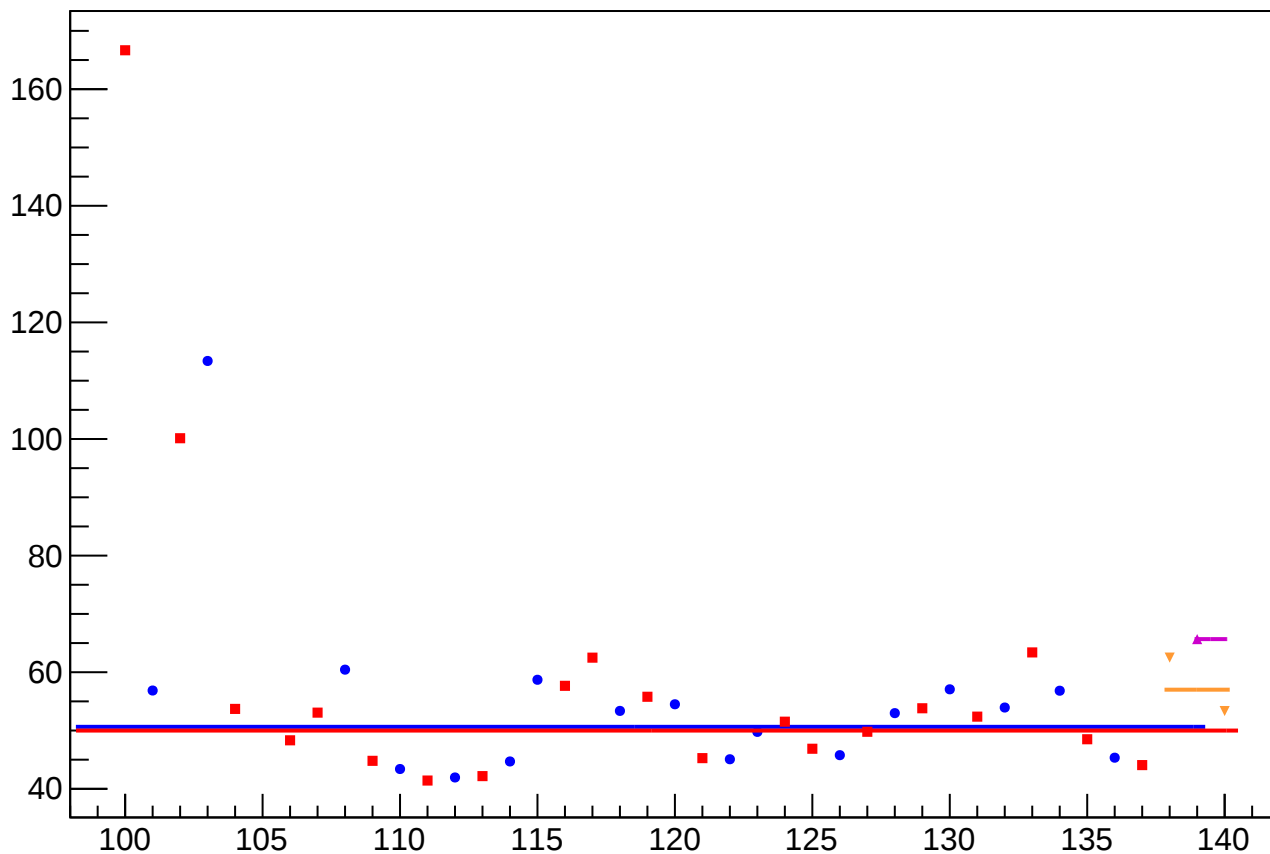
Right Out: -43.354 ± 19.371 $\chi^2/\text{NDF}: 25.6/19$

Left In: 17.544 ± 77.325 $\chi^2/\text{NDF}: 0.0/0$

24.802 ± 18.506 $\chi^2/\text{NDF}: 20.7/18$

-39.758 ± 18.790 $\chi^2/\text{NDF}: 26.2/20$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 57.005 $\pm$ 0.033 χ^2 /NDF:18442.9/1

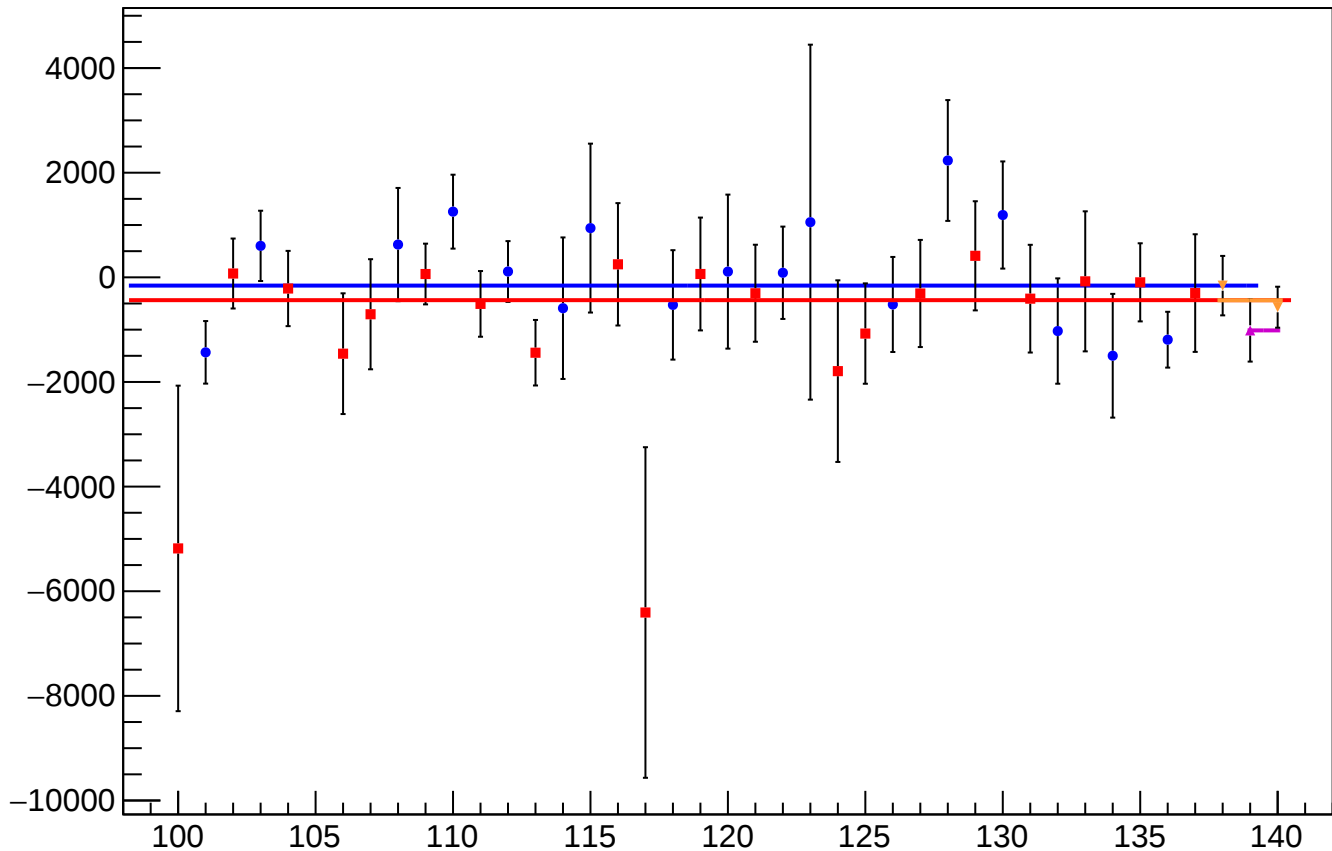
Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

Left In: 65.680 $\pm$ 0.055 χ^2 /NDF:0.0/0

51.632 $\pm$ 0.013 χ^2 /NDF: 569428.6/18

50.920 $\pm$ 0.013 χ^2 /NDF: 581339.6/20

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -438.294+/-322.544 χ^2/NDF : 0.4/1

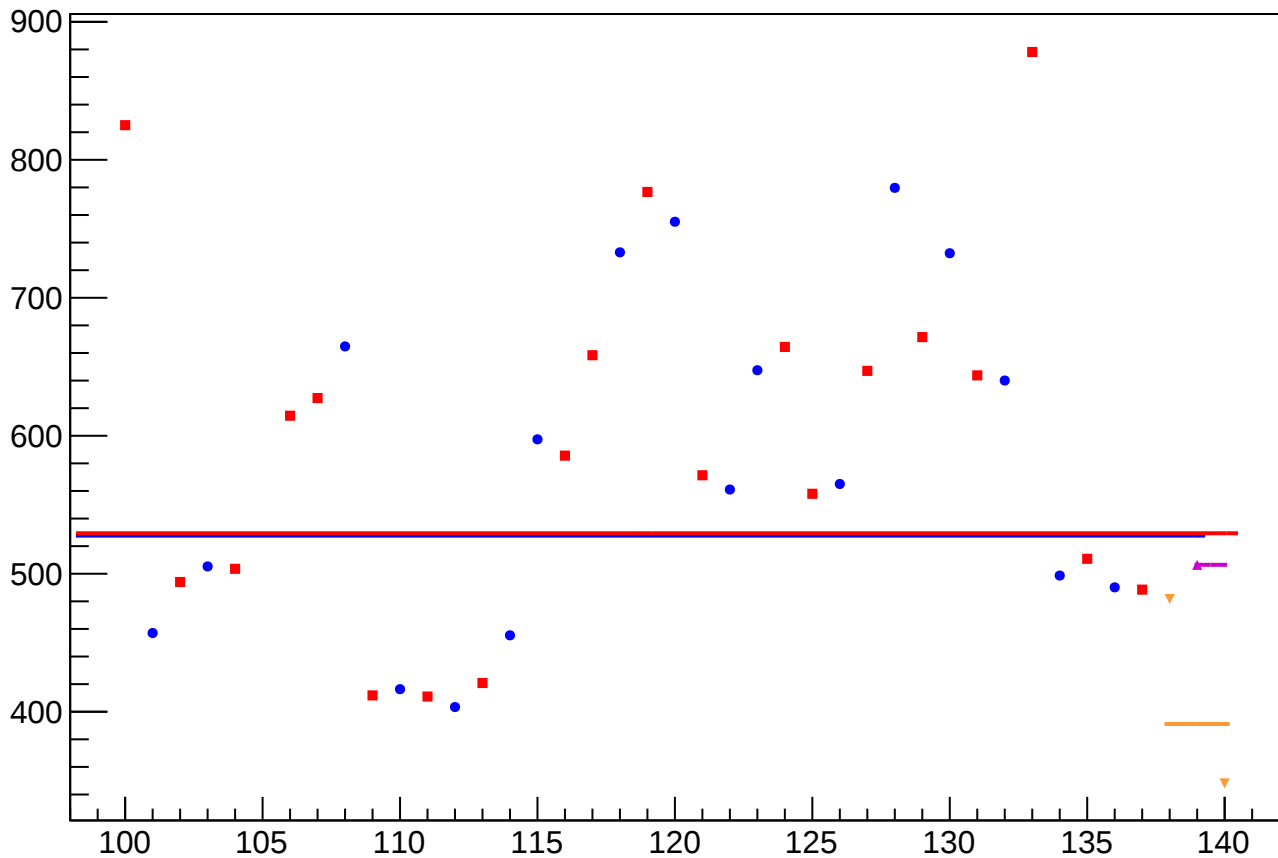
Right Out: -436.410+/-203.212 χ^2/NDF : 13.4/19

Left In: -1014.299+/-596.435 χ^2/NDF : 0.0/0

-241.546+/-176.093 χ^2/NDF : 24.4/18

-496.516+/-192.354 χ^2/NDF : 14.2/20

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 391.113+/-0.228 χ^2/NDF : 75023.1/1

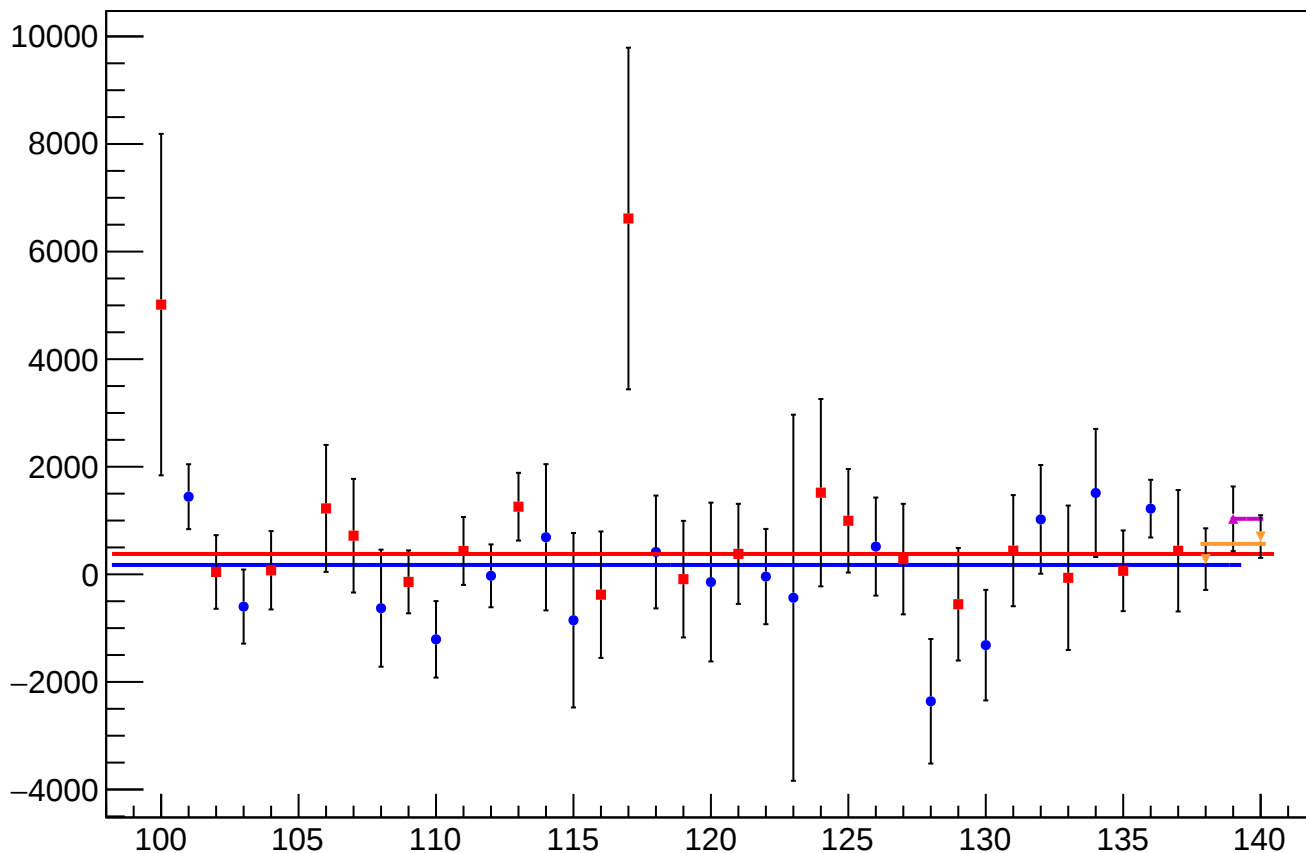
Right Out: 529.342+/-0.144 χ^2/NDF : 626714.3/19

Left In: 506.465+/-0.422 χ^2/NDF : 0.0/0

486.963+/-0.125 χ^2/NDF : 884060.8/18

526.963+/-0.136 χ^2/NDF : 629350.7/20

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 566.339 $\pm$ 326.084 χ^2 /NDF: 0.4/1

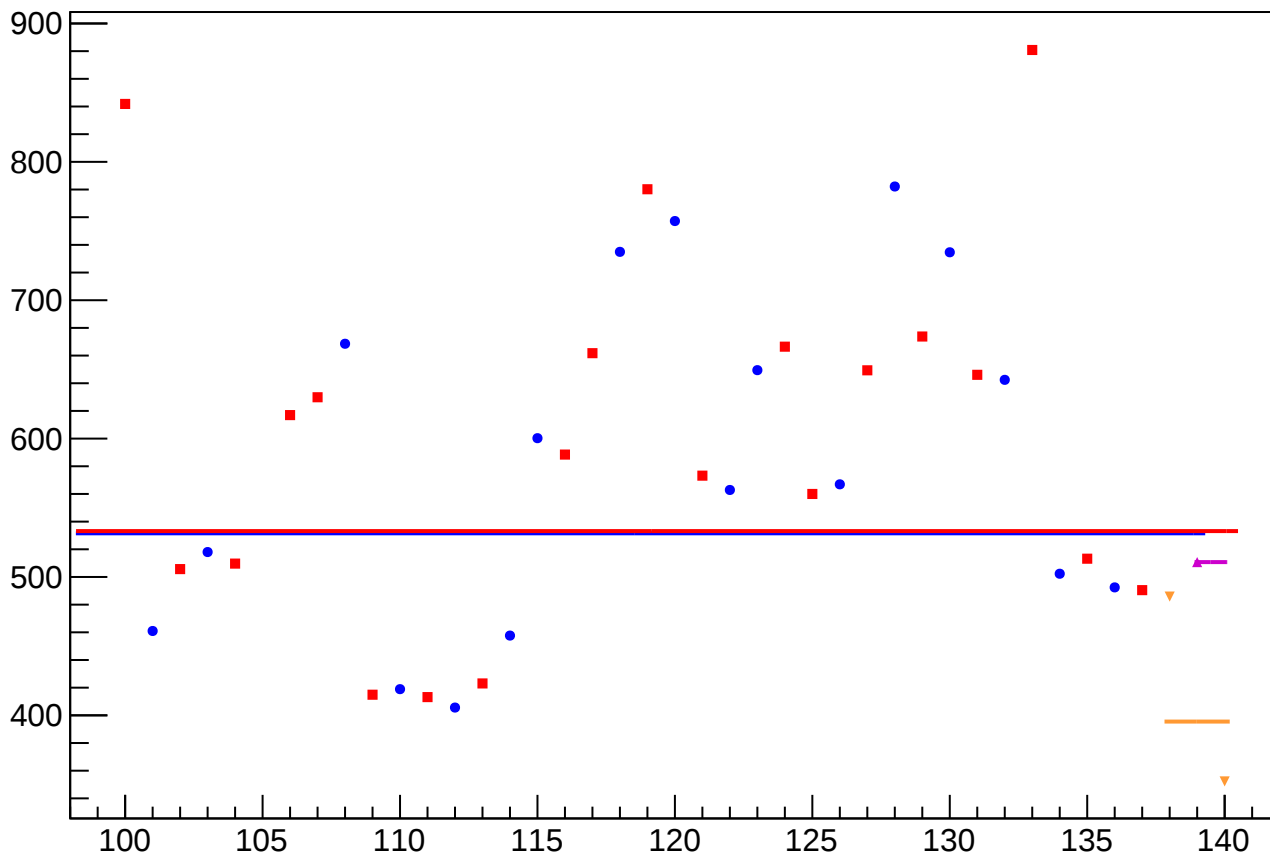
Right Out: 378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

Left In: 1032.335 $\pm$ 601.462 χ^2 /NDF: 0.0/0

290.729 $\pm$ 177.540 χ^2 /NDF: 25.1/18

446.515 $\pm$ 193.849 χ^2 /NDF: 13.4/20

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 395.495+/-0.231 χ^2/NDF : 73472.1/1

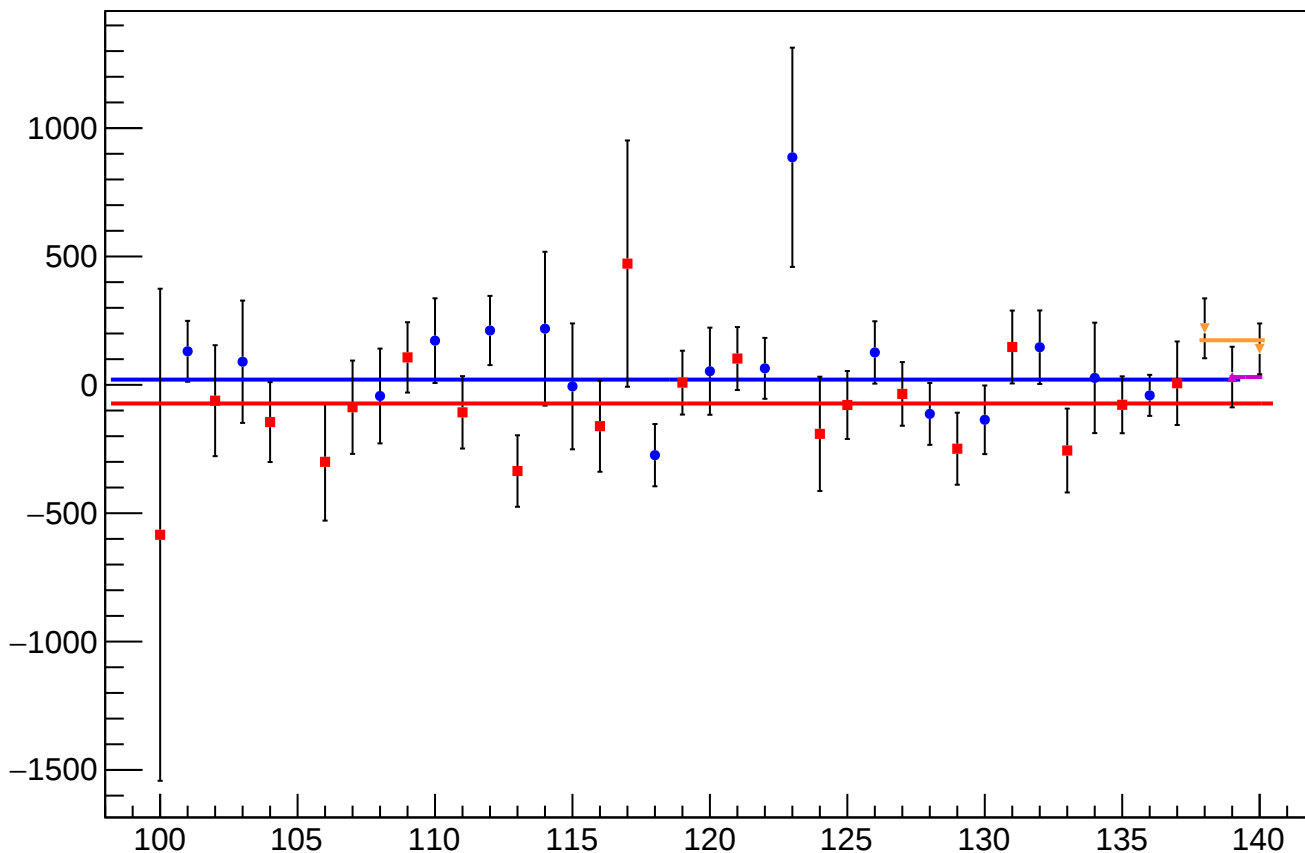
Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

Left In: 510.745+/-0.425 χ^2/NDF : 0.0/0

491.221+/-0.126 χ^2/NDF : 868538.0/18

530.829+/-0.137 χ^2/NDF : 621527.0/20

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 173.672+/-75.475 χ^2/NDF : 0.3/1

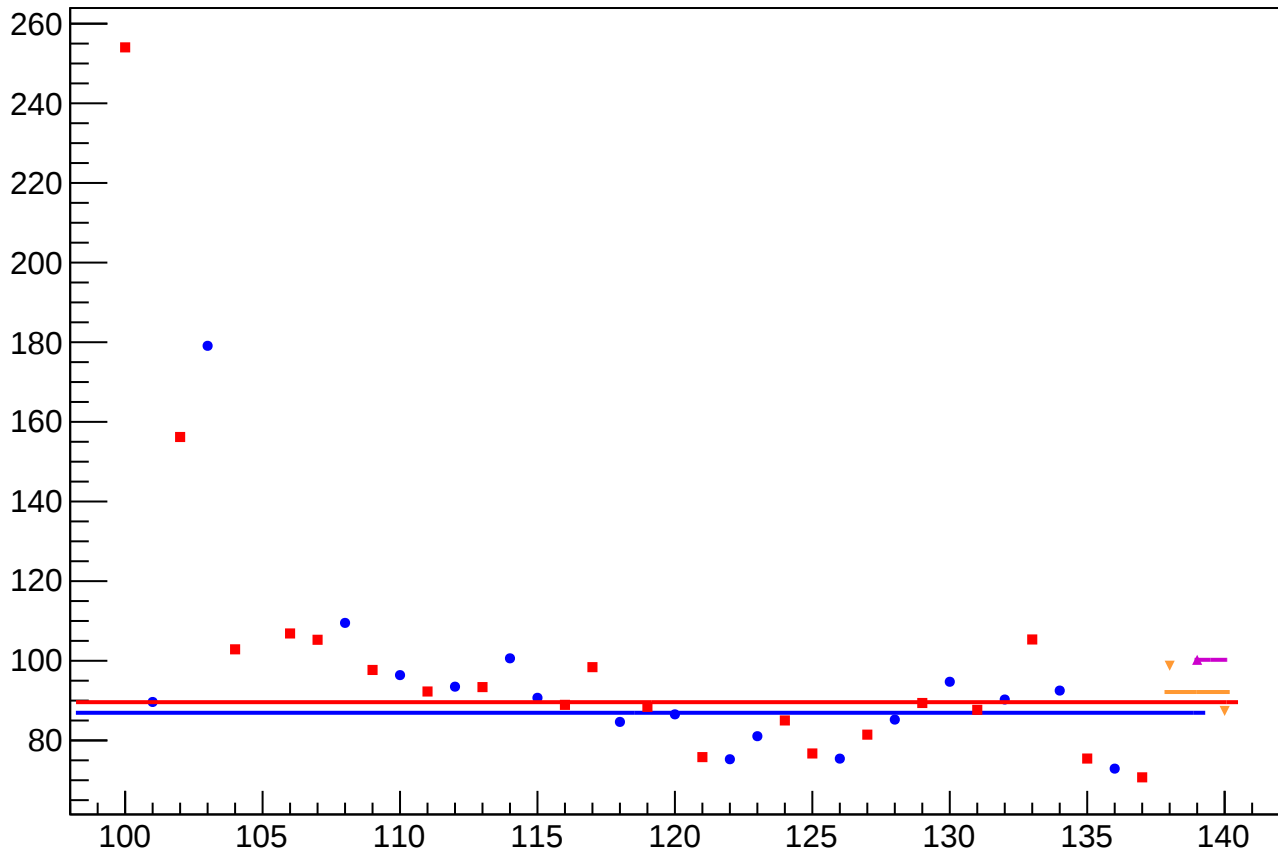
Right Out: -72.603+/-34.608 χ^2/NDF : 16.7/19

Left In: 30.408+/-117.961 χ^2/NDF : 0.0/0

47.030+/-31.440 χ^2/NDF : 23.0/18

-64.439+/-33.208 χ^2/NDF : 17.4/20

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 92.157+/-0.053 χ^2/NDF : 11026.2/1

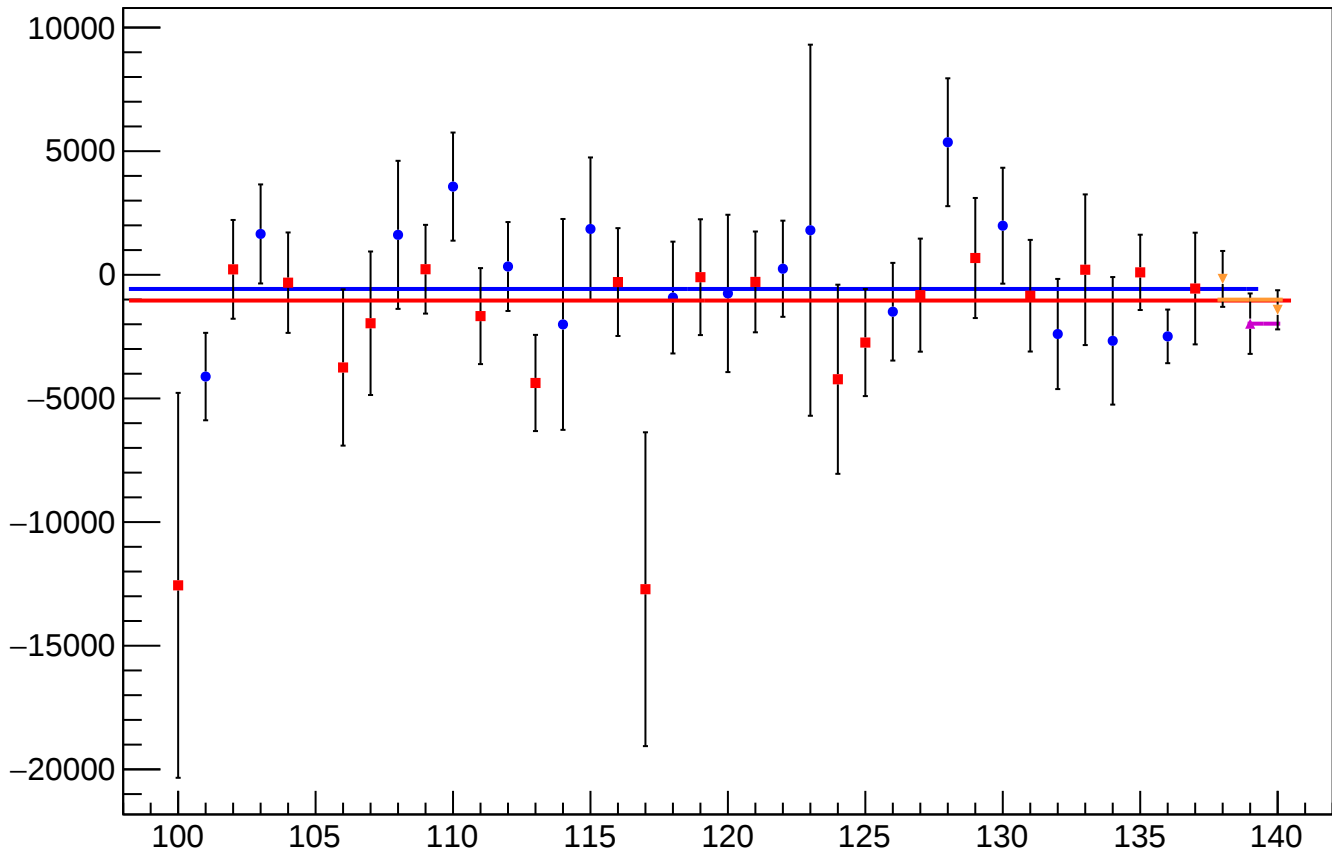
Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

Left In: 100.247+/-0.083 χ^2/NDF : 0.0/0

87.847+/-0.022 χ^2/NDF : 474724.9/18

90.450+/-0.023 χ^2/NDF : 446886.8/20

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -1003.957+/-648.411 χ^2/NDF : 0.8/1

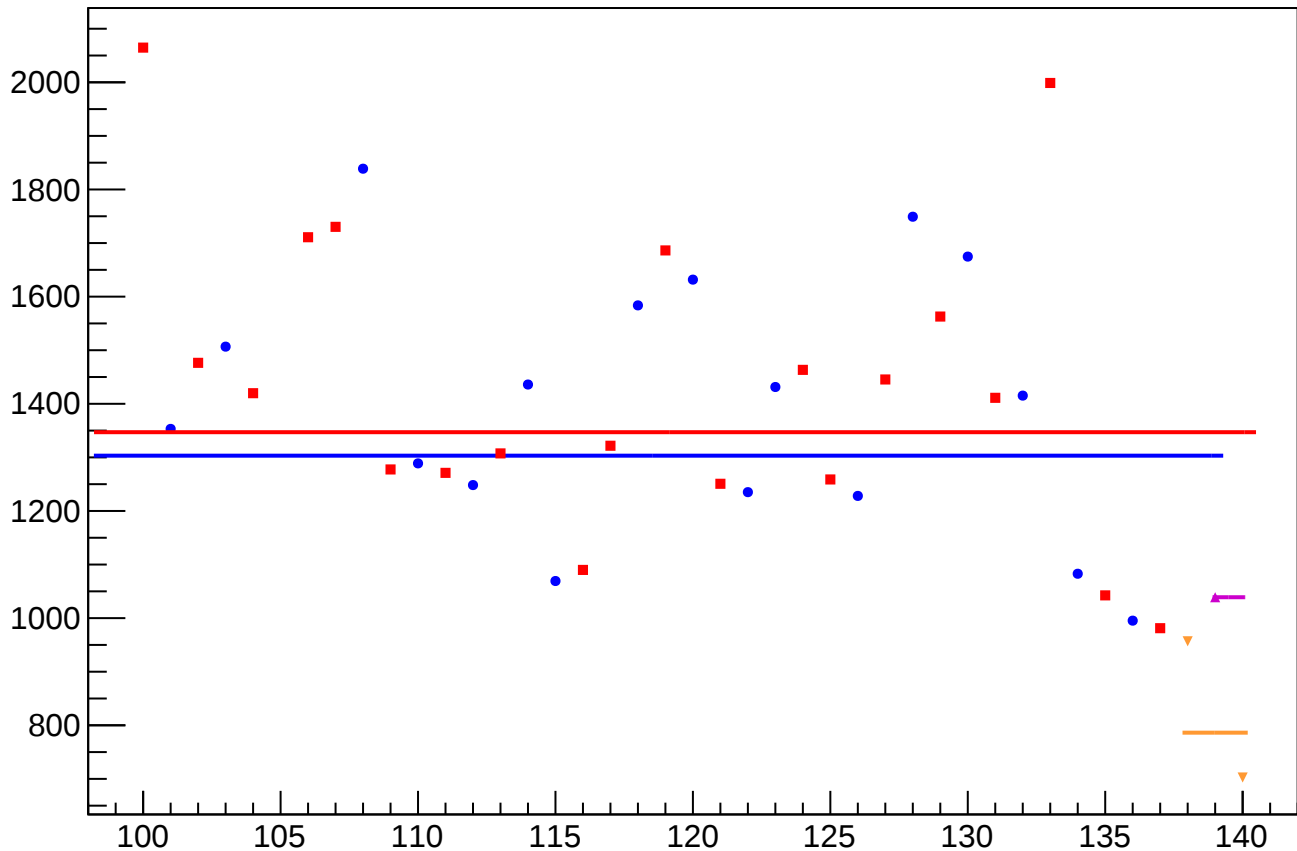
Right Out: -1040.618+/-512.937 χ^2/NDF : 13.5/19

Left In: -1975.902+/-1222.110 χ^2/NDF : 0.0/0

-740.100+/-404.244 χ^2/NDF : 23.0/18

-1180.701+/-472.967 χ^2/NDF : 14.0/20

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 786.242+/-0.458 χ^2/NDF : 67870.1/1

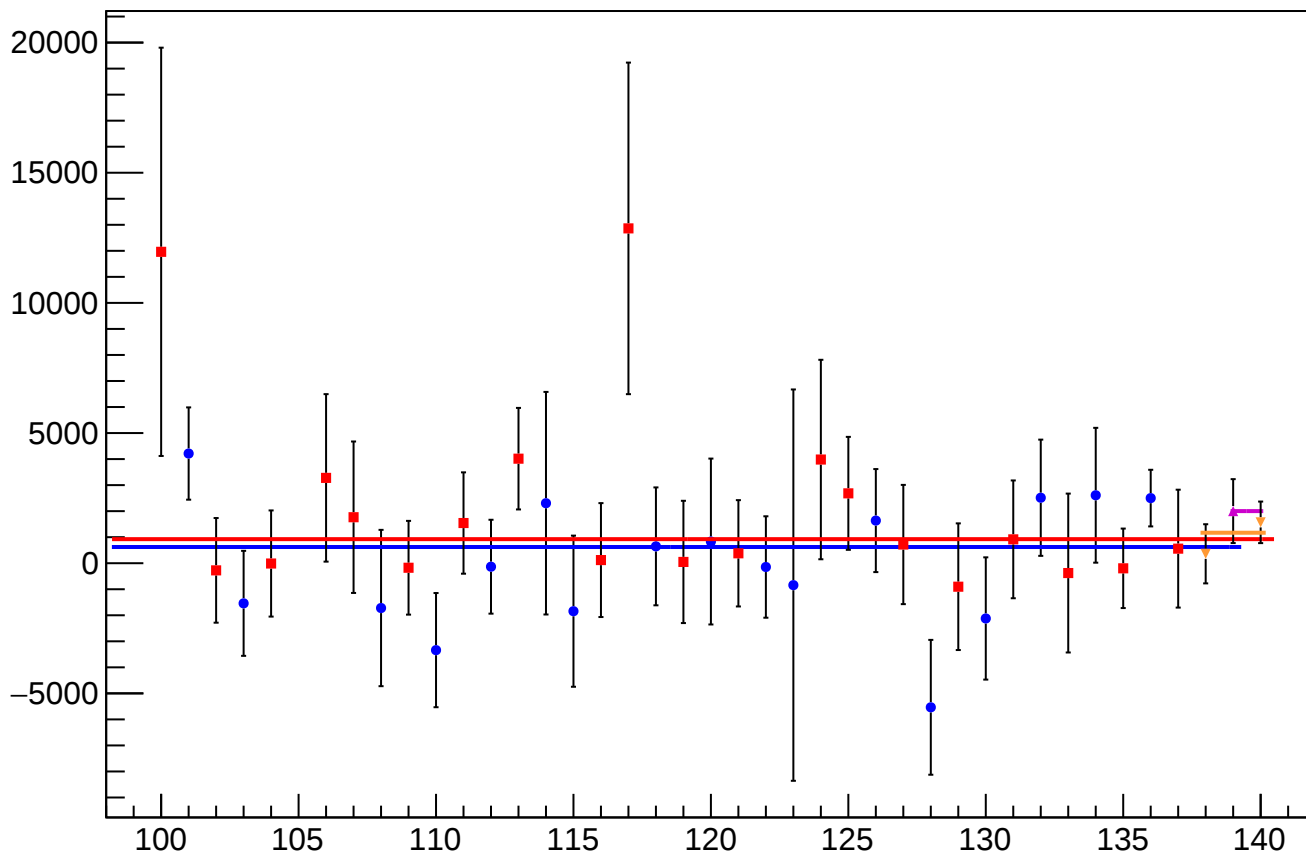
Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

Left In: 1038.999+/-0.864 χ^2/NDF : 0.0/0

1102.272+/-0.286 χ^2/NDF : 1296996.6/18

1300.878+/-0.334 χ^2/NDF : 528819.3/20

asym_sam_2468_avg_mean vs Slug



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1170.797+/-653.093 χ^2/NDF : 0.8/1

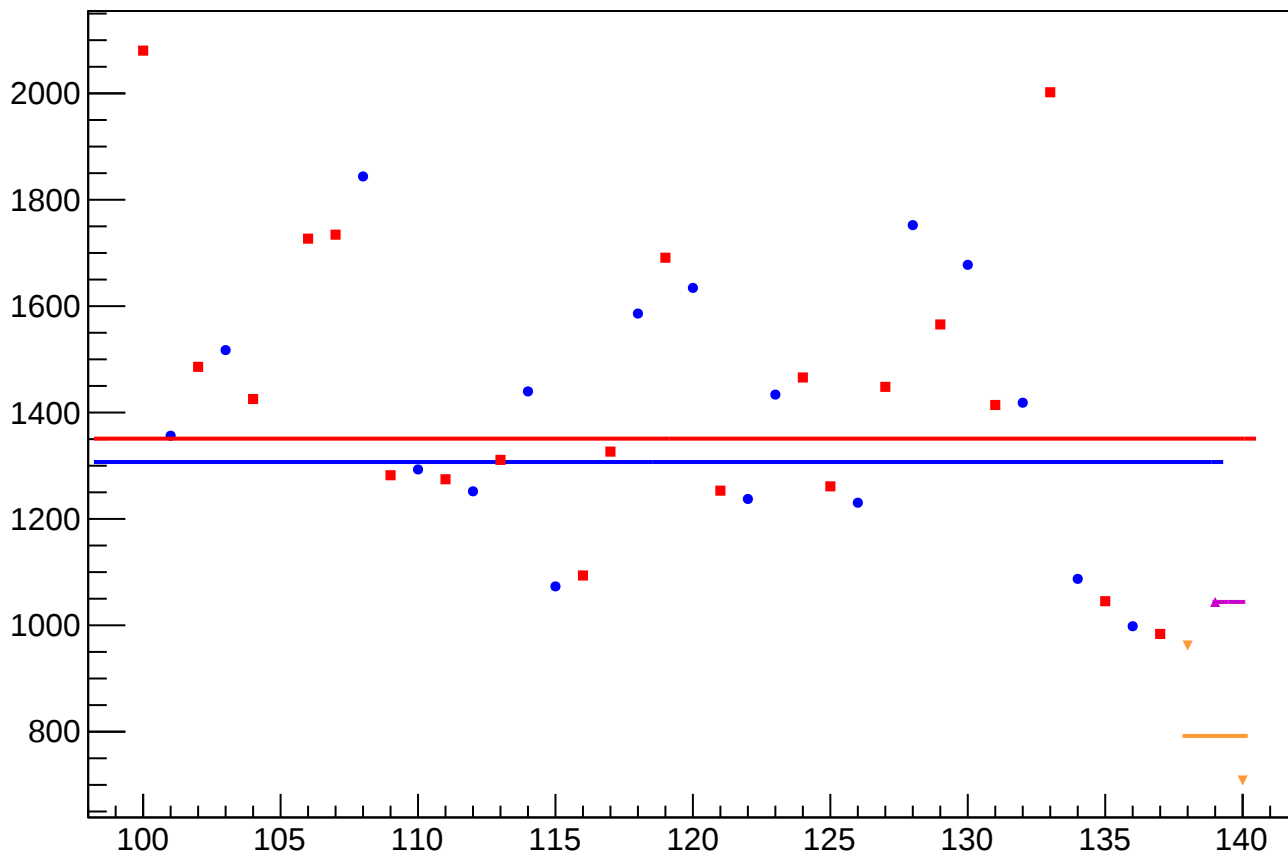
Right Out: 924.488+/-514.636 χ^2/NDF : 12.6/19

Left In: 2001.783+/-1227.895 χ^2/NDF : 0.0/0

834.424+/-406.081 χ^2/NDF : 23.1/18

1085.453+/-474.634 χ^2/NDF : 13.3/20

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 792.077+/-0.462 χ^2/NDF : 66777.2/1

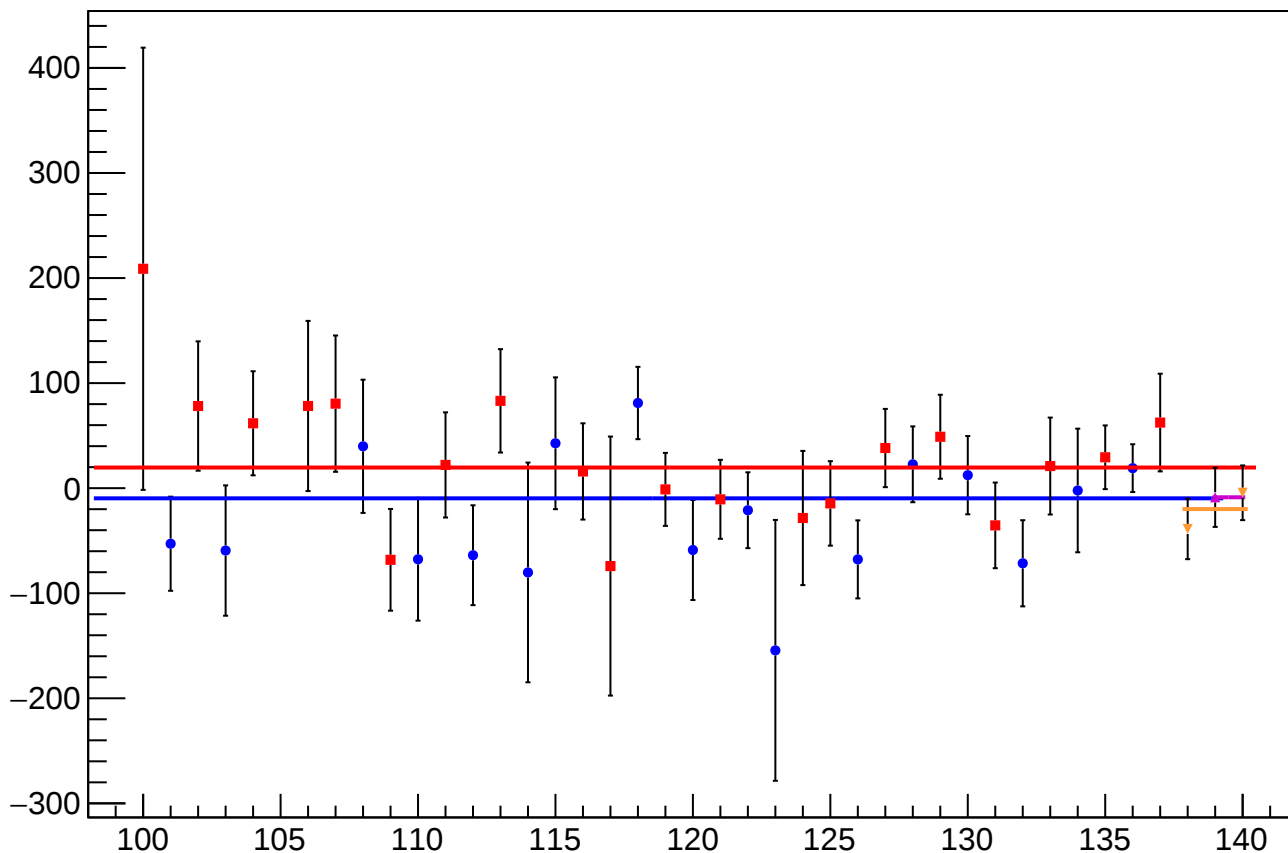
Right Out: 1350.936+/-0.364 χ^2/NDF : 421834.2/19

Left In: 1043.935+/-0.868 χ^2/NDF : 0.0/0

1107.912+/-0.287 χ^2/NDF : 1280516.5/18

1305.065+/-0.336 χ^2/NDF : 528176.2/20

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 $\chi^2/\text{NDF}: 22.6/16$

Left Out: -19.879 ± 19.304 $\chi^2/\text{NDF}: 0.8/1$

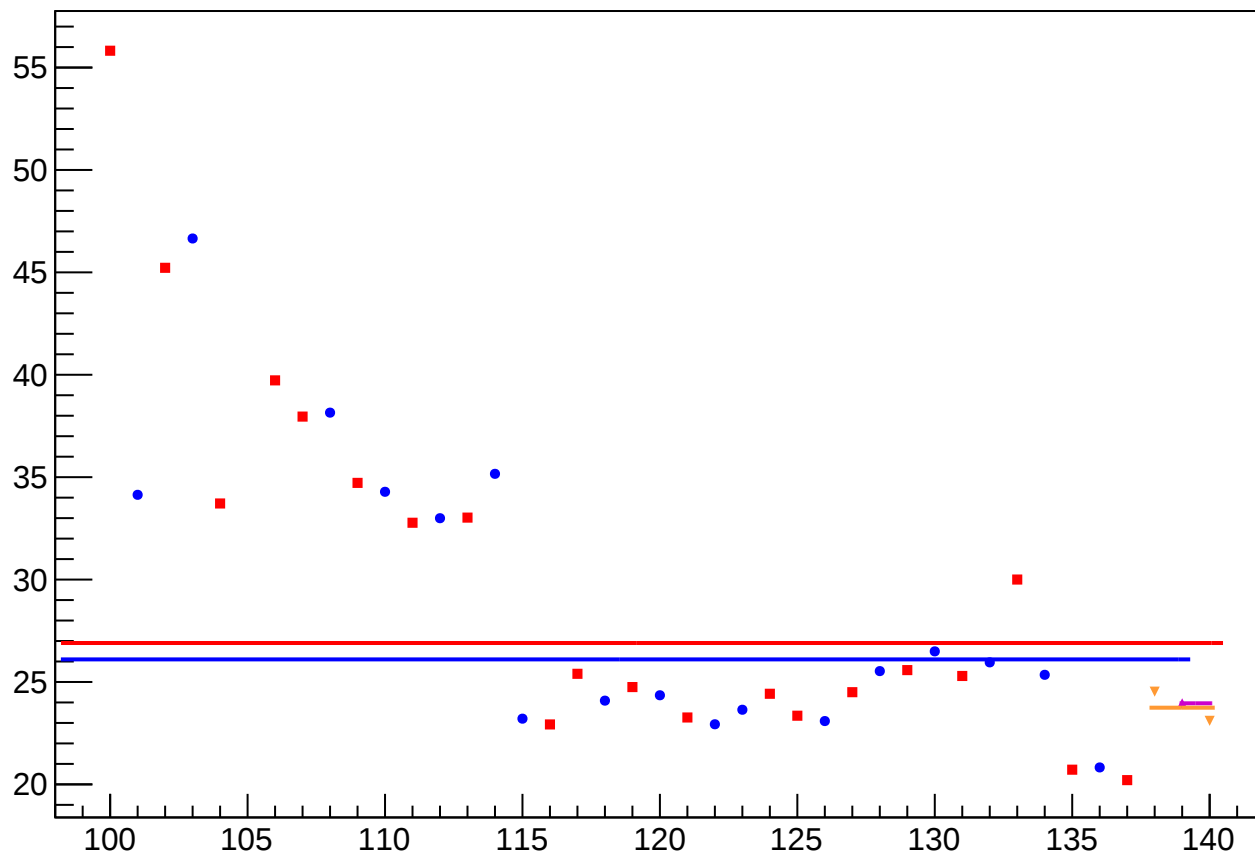
Right Out: 19.662 ± 10.406 $\chi^2/\text{NDF}: 15.2/19$

Left In: -8.672 ± 28.188 $\chi^2/\text{NDF}: 0.0/0$

-11.968 ± 9.161 $\chi^2/\text{NDF}: 23.6/18$

16.263 ± 9.762 $\chi^2/\text{NDF}: 16.1/20$

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 23.745+/-0.014 χ^2/NDF : 2695.3/1

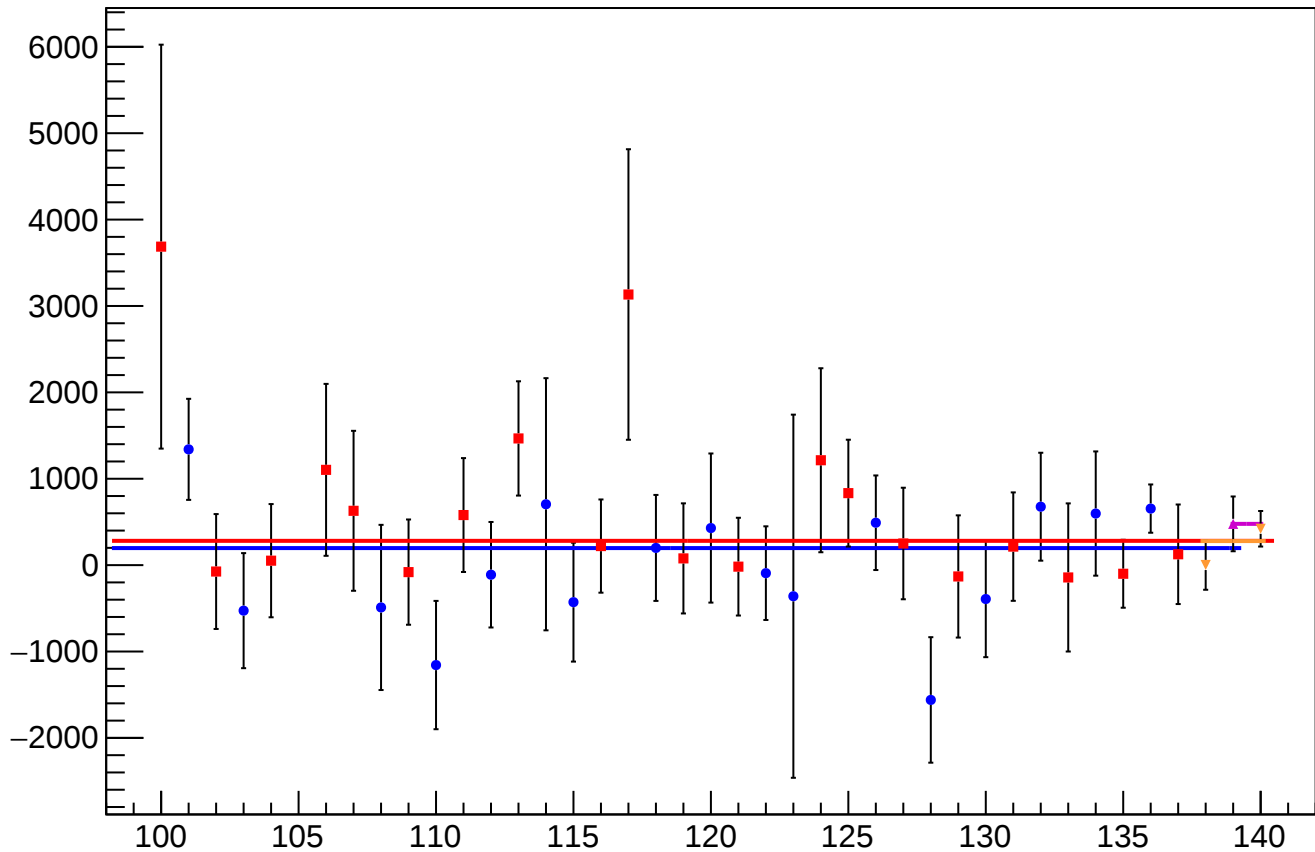
Right Out: 26.903+/-0.007 χ^2/NDF : 679269.9/19

Left In: 23.958+/-0.020 χ^2/NDF : 0.0/0

25.572+/-0.006 χ^2/NDF : 629855.4/18

26.550+/-0.007 χ^2/NDF : 698478.3/20

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327+/-147.883 χ^2/NDF : 21.0/16

Left Out: 278.497+/-167.211 χ^2/NDF : 1.4/1

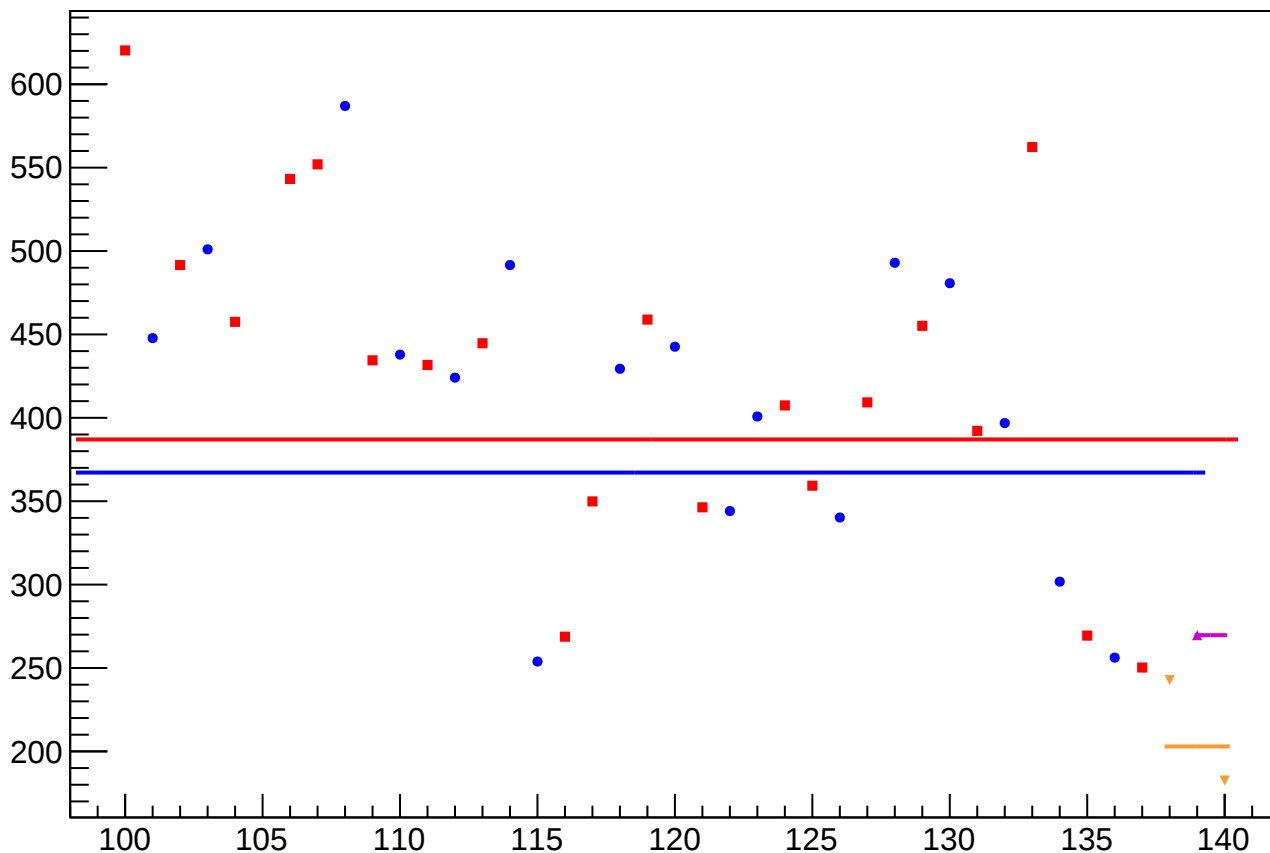
Right Out: 281.185+/-149.275 χ^2/NDF : 13.6/19

Left In: 477.697+/-316.967 χ^2/NDF : 0.0/0

232.952+/-110.775 χ^2/NDF : 22.5/18

316.858+/-135.048 χ^2/NDF : 13.9/20

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 202.964 $\pm$ 0.118 χ^2 /NDF: 58170.2/1

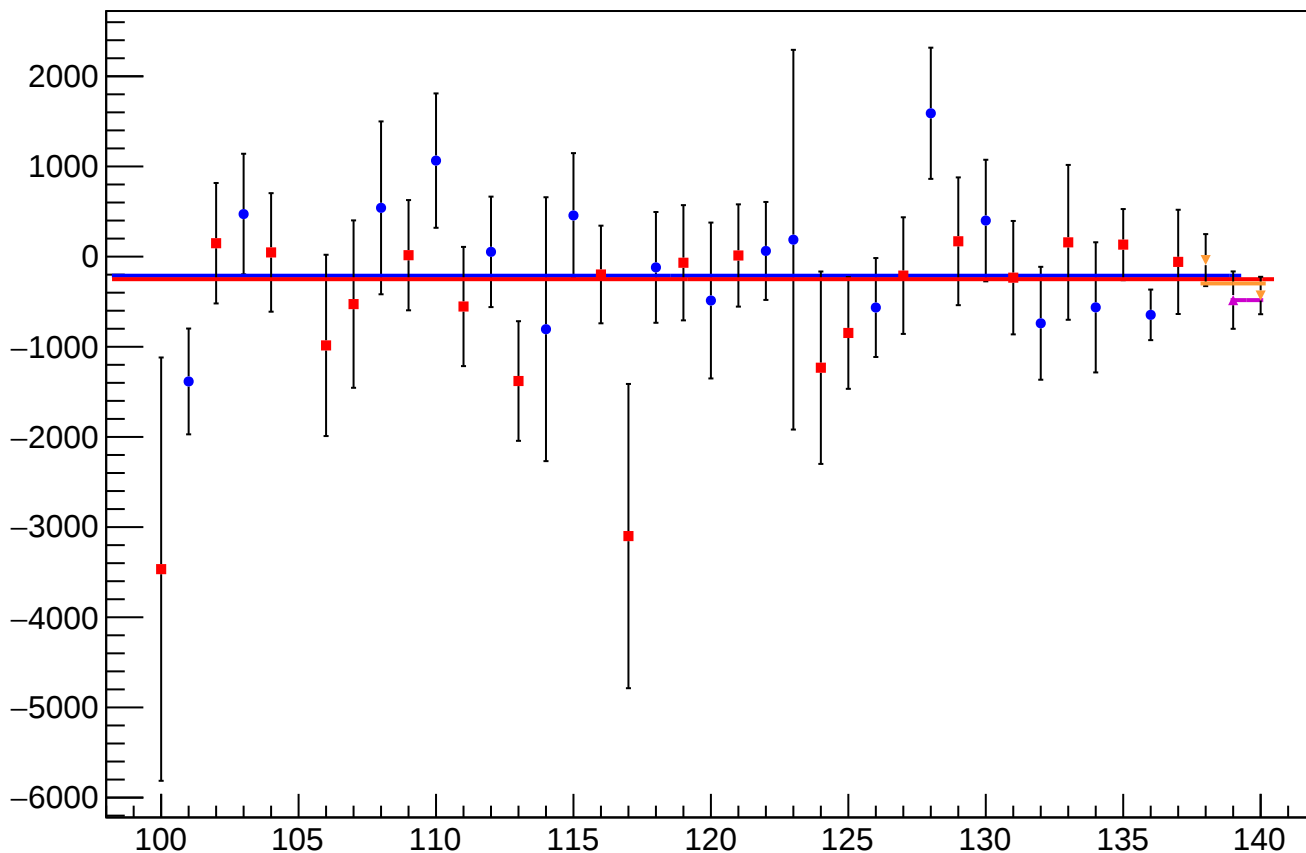
Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

Left In: 269.687 $\pm$ 0.224 χ^2 /NDF: 0.0/0

295.107 $\pm$ 0.078 χ^2 /NDF: 1967700.0/18

365.744 $\pm$ 0.095 χ^2 /NDF: 999963.8/20

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2 /NDF: 21.0/16

Left Out: -297.454+/-168.417 χ^2 /NDF: 1.2/1

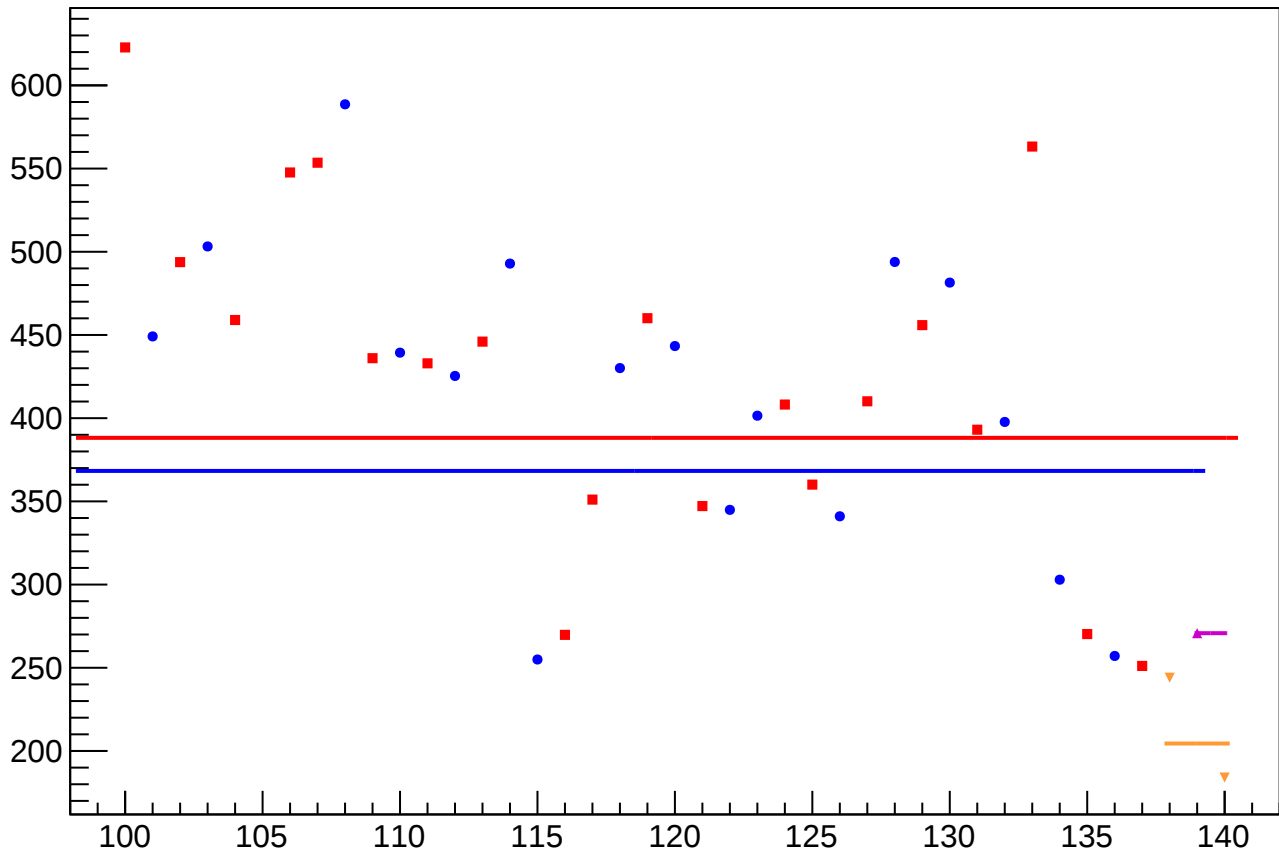
Right Out: -250.443+/-149.724 χ^2 /NDF: 12.9/19

Left In: -482.535+/-318.256 χ^2 /NDF: 0.0/0

-249.246+/-111.307 χ^2 /NDF: 22.4/18

-292.502+/-135.480 χ^2 /NDF: 13.4/20

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 204.488 $\pm$ 0.119 χ^2 /NDF: 57042.0/1

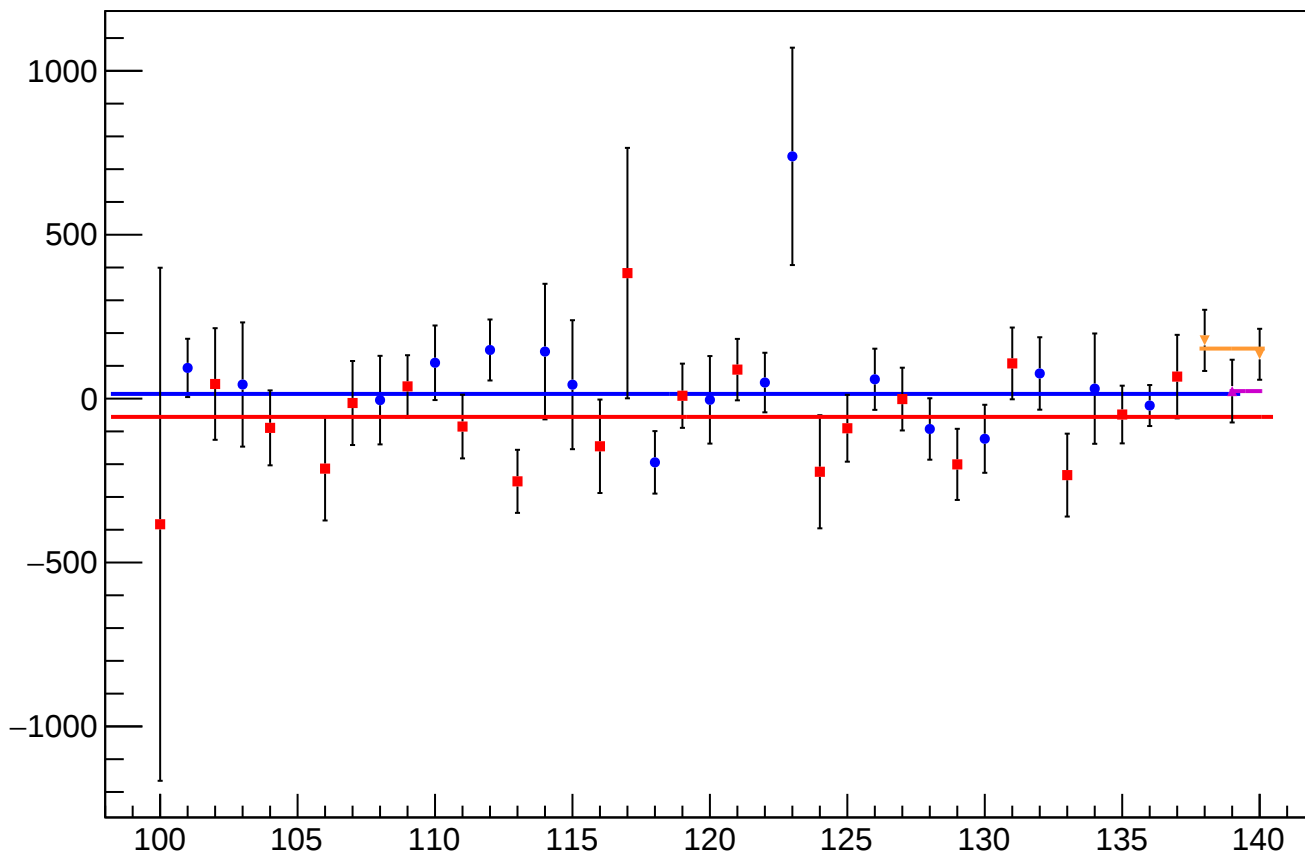
Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

Left In: 270.789 $\pm$ 0.225 χ^2 /NDF: 0.0/0

296.749 $\pm$ 0.079 χ^2 /NDF: 1947347.6/18

366.905 $\pm$ 0.096 χ^2 /NDF: 998484.8/20

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 152.660+/-59.716 χ^2/NDF : 0.1/1

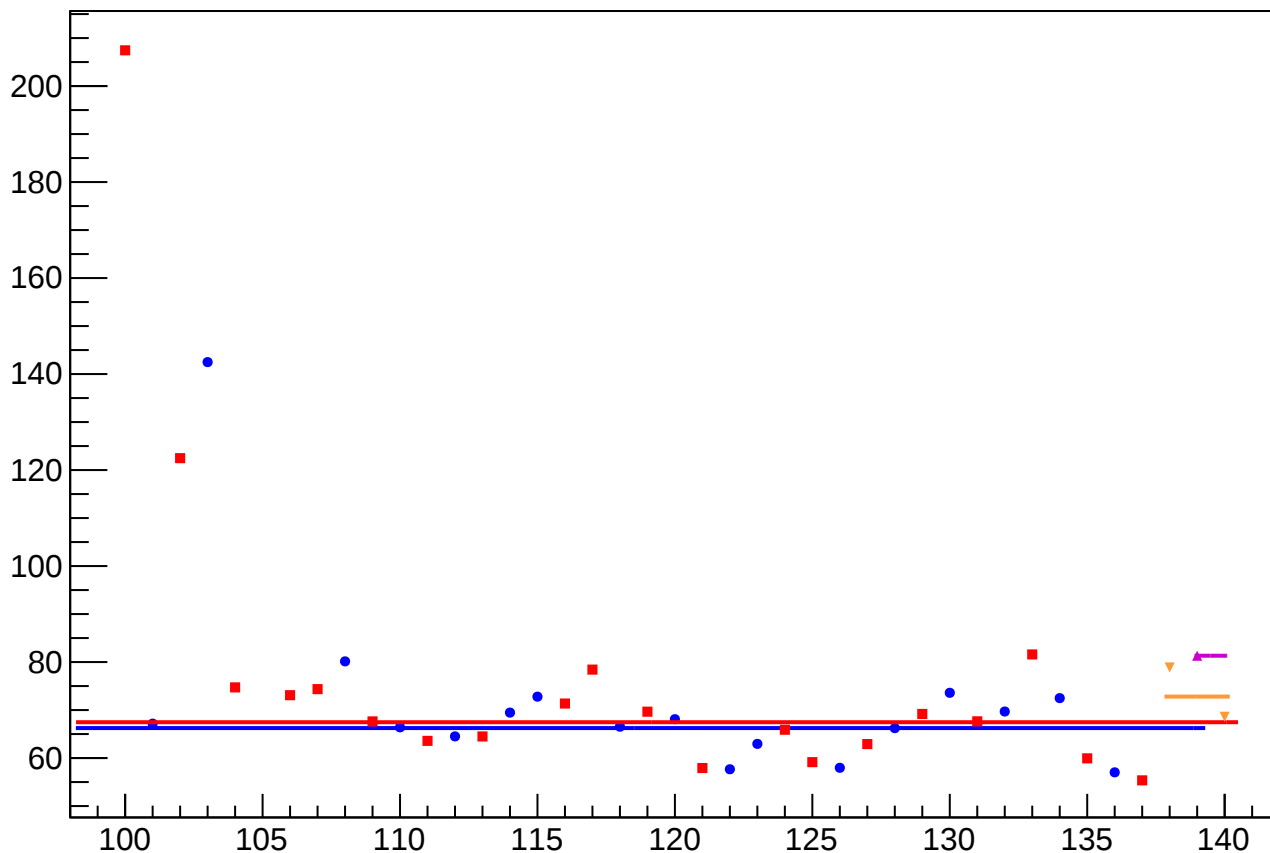
Right Out: -55.744+/-26.060 χ^2/NDF : 19.7/19

Left In: 22.950+/-95.700 χ^2/NDF : 0.0/0

36.897+/-24.095 χ^2/NDF : 22.3/18

-50.311+/-25.145 χ^2/NDF : 20.4/20

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 72.811+/-0.042 χ^2/NDF :14302.2/1

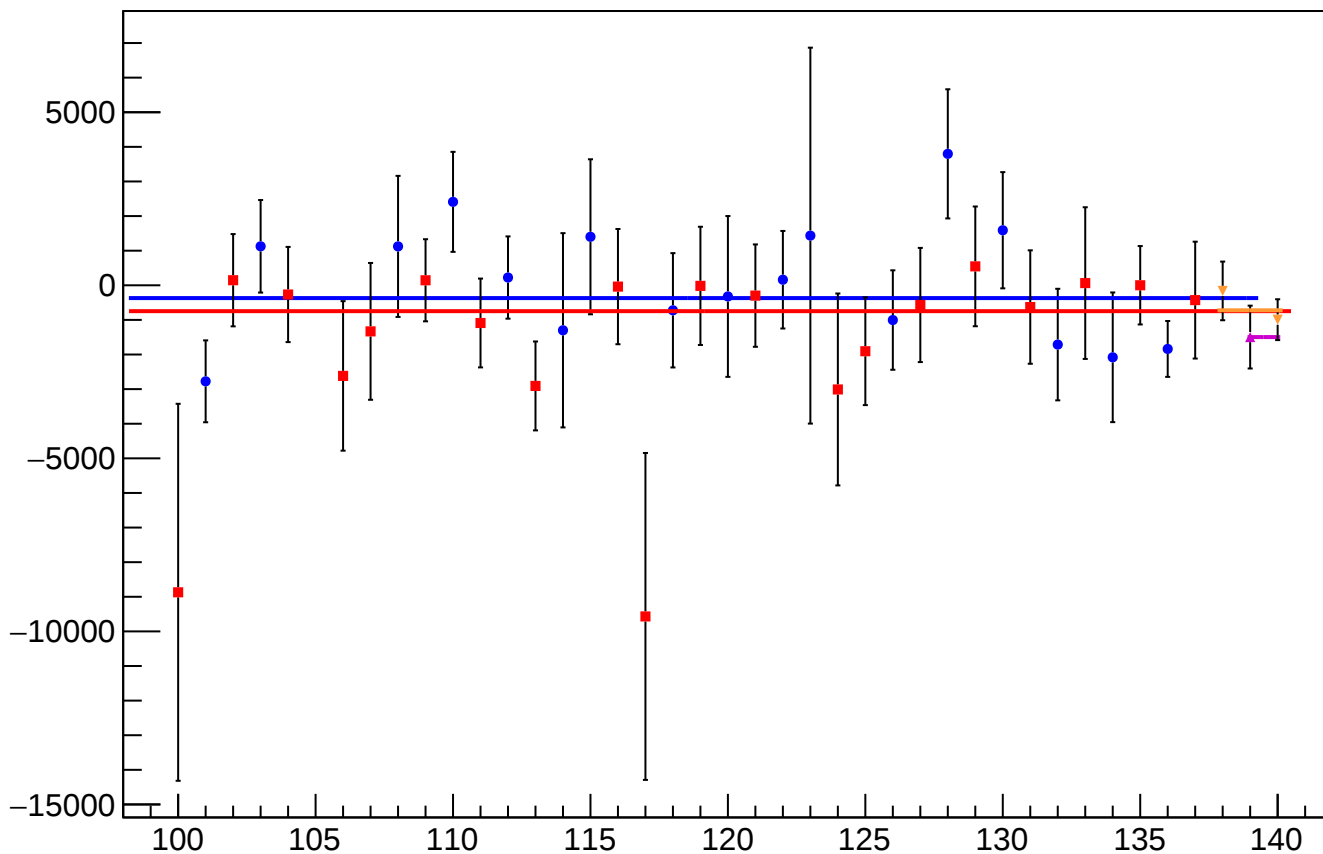
Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

Left In: 81.320+/-0.068 χ^2/NDF :0.0/0

67.316+/-0.017 χ^2/NDF : 475476.3/18

68.423+/-0.018 χ^2/NDF : 434278.8/20

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -722.067+/-484.031 χ^2/NDF : 0.6/1

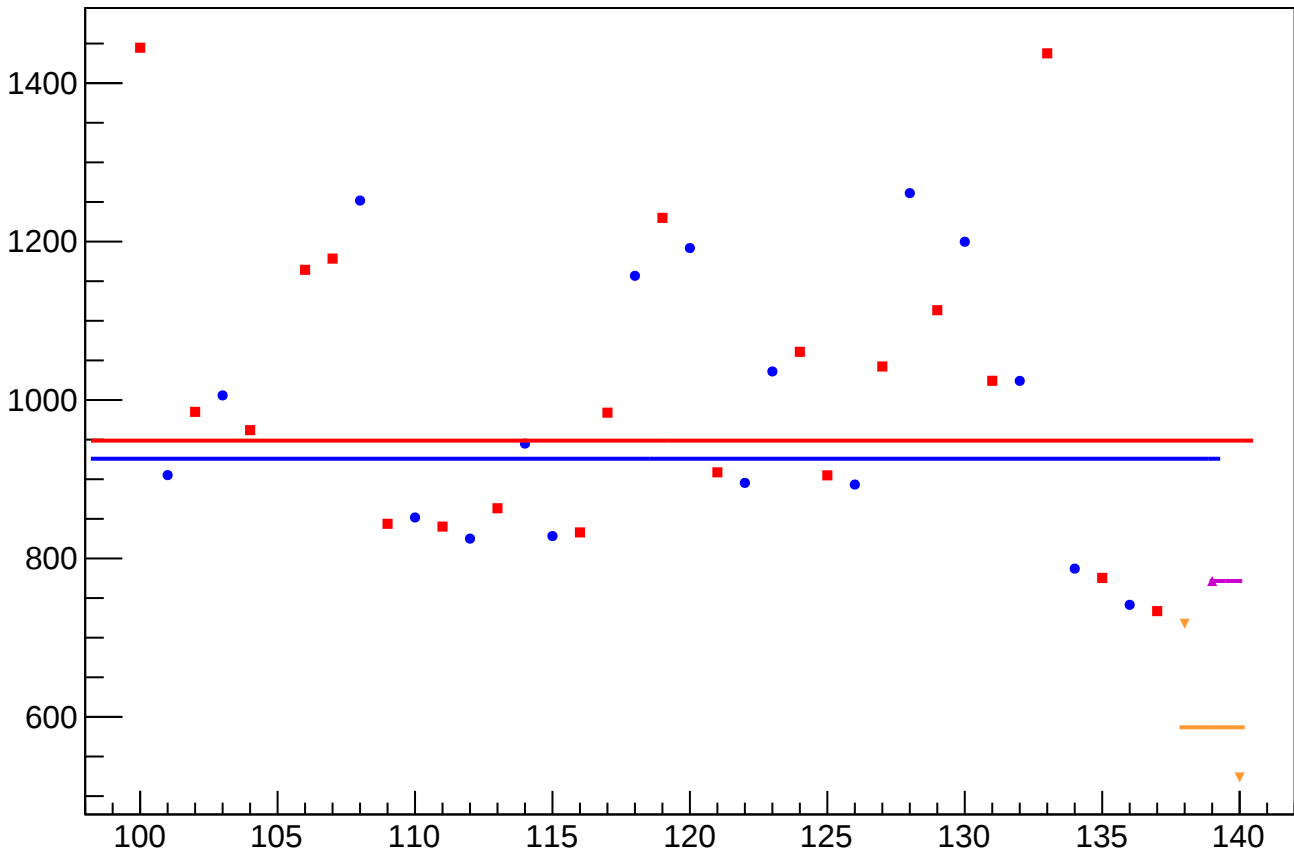
Right Out: -747.208+/-360.830 χ^2/NDF : 13.4/19

Left In: -1496.104+/-907.856 χ^2/NDF : 0.0/0

-497.976+/-292.155 χ^2/NDF : 23.3/18

-849.371+/-335.316 χ^2/NDF : 14.0/20

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 586.855+/-0.342 χ^2/NDF : 70627.5/1

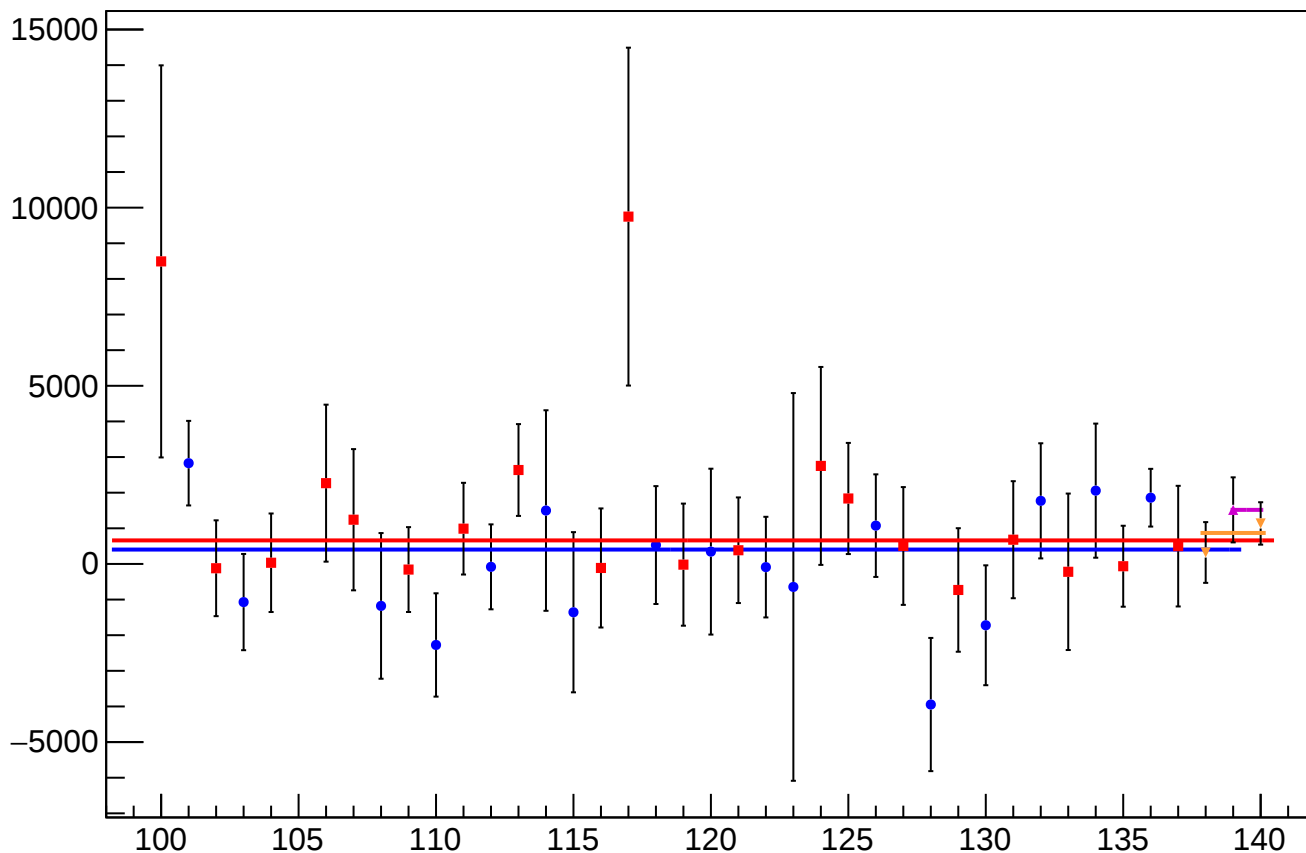
802.370+/-0.207 χ^2/NDF : 1085445.3/18

Right Out: 948.760+/-0.255 χ^2/NDF : 382044.0/19

924.586+/-0.237 χ^2/NDF : 447842.8/20

Left In: 771.561+/-0.642 χ^2/NDF : 0.0/0

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 869.608+/-487.929 χ^2/NDF : 0.6/1

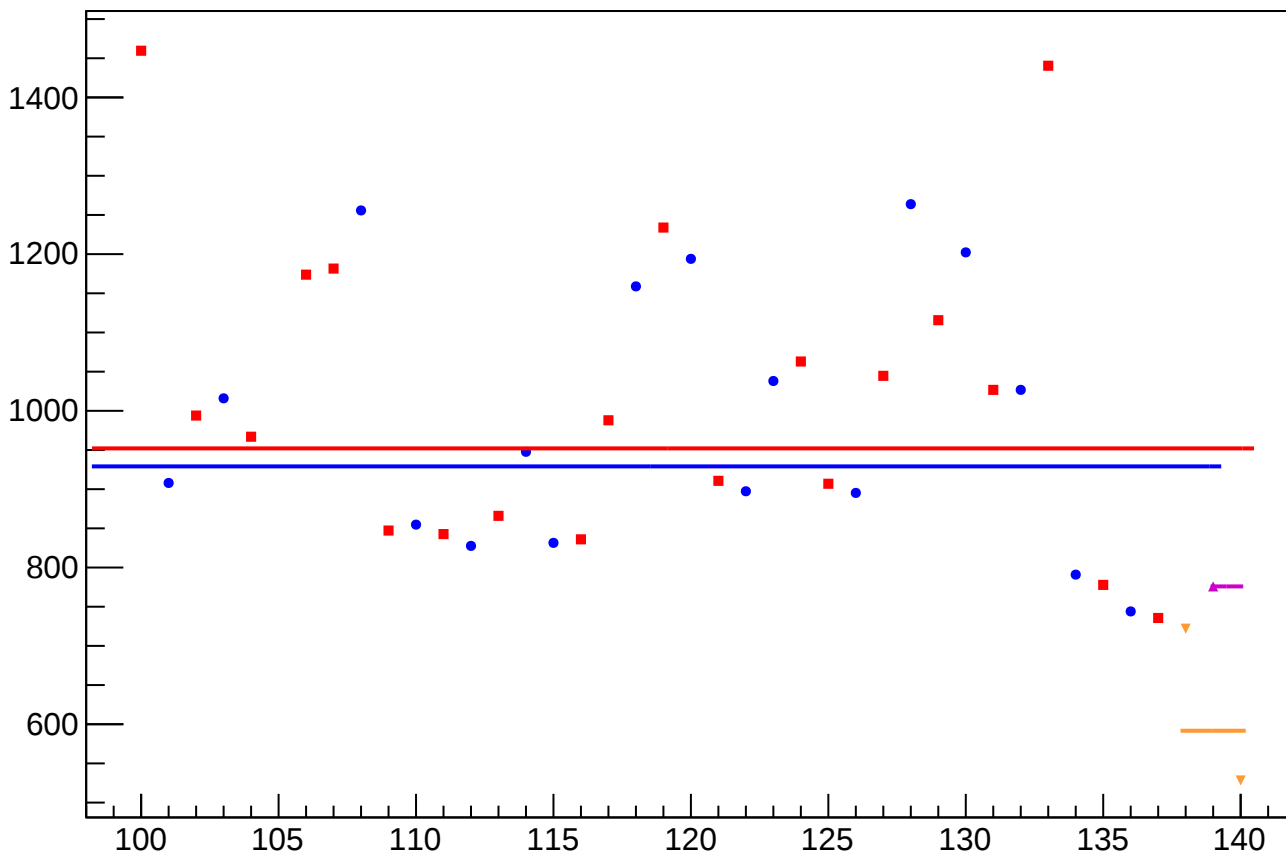
Right Out: 660.630+/-362.265 χ^2/NDF : 12.5/19

Left In: 1517.671+/-912.952 χ^2/NDF : 0.0/0

572.377+/-293.645 χ^2/NDF : 23.6/18

777.219+/-336.725 χ^2/NDF : 13.3/20

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 591.696+/-0.345 χ^2/NDF : 69446.2/1

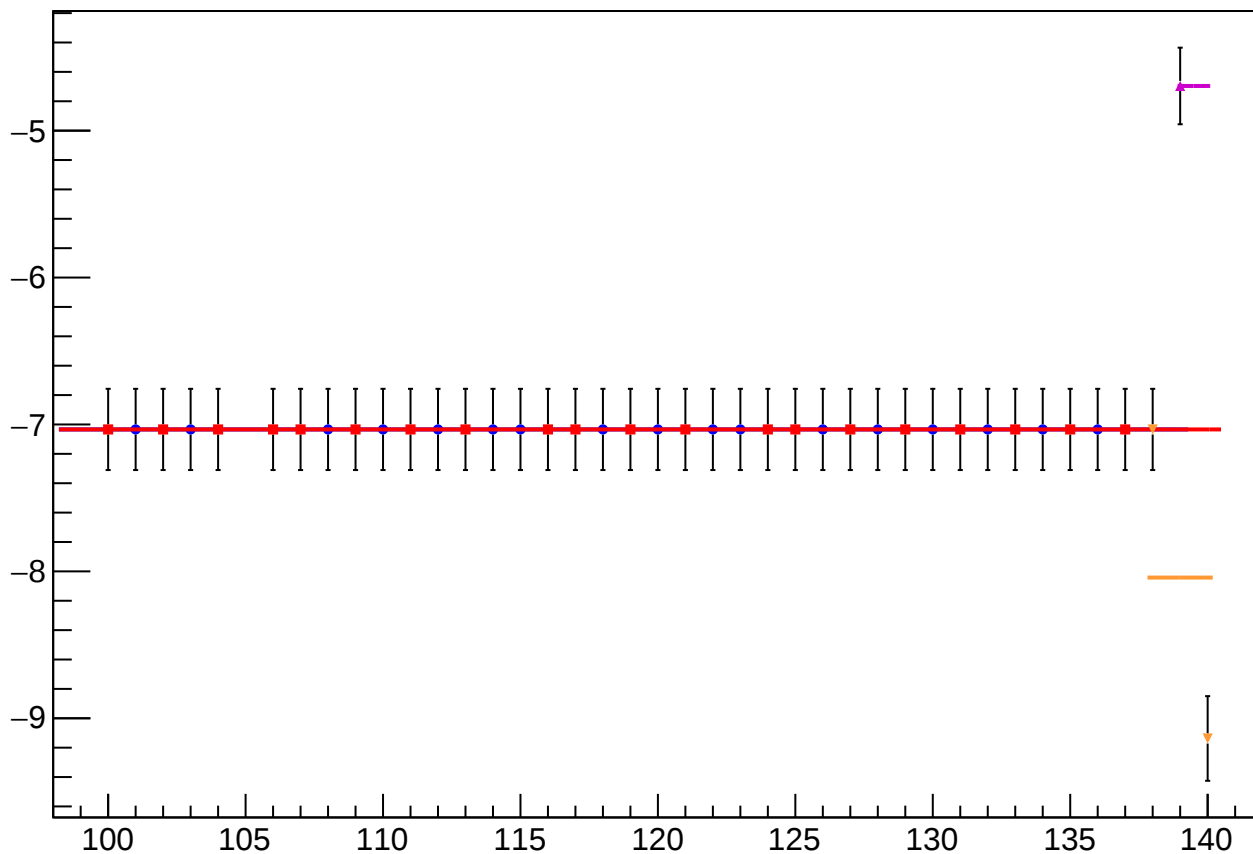
Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

Left In: 775.905+/-0.646 χ^2/NDF : 0.0/0

806.894+/-0.208 χ^2/NDF : 1069700.0/18

928.094+/-0.238 χ^2/NDF : 446663.8/20

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -7.034 ± 0.067 χ^2/NDF : 0.0/16

Left Out: -8.042 ± 0.199 χ^2/NDF : 27.8/1

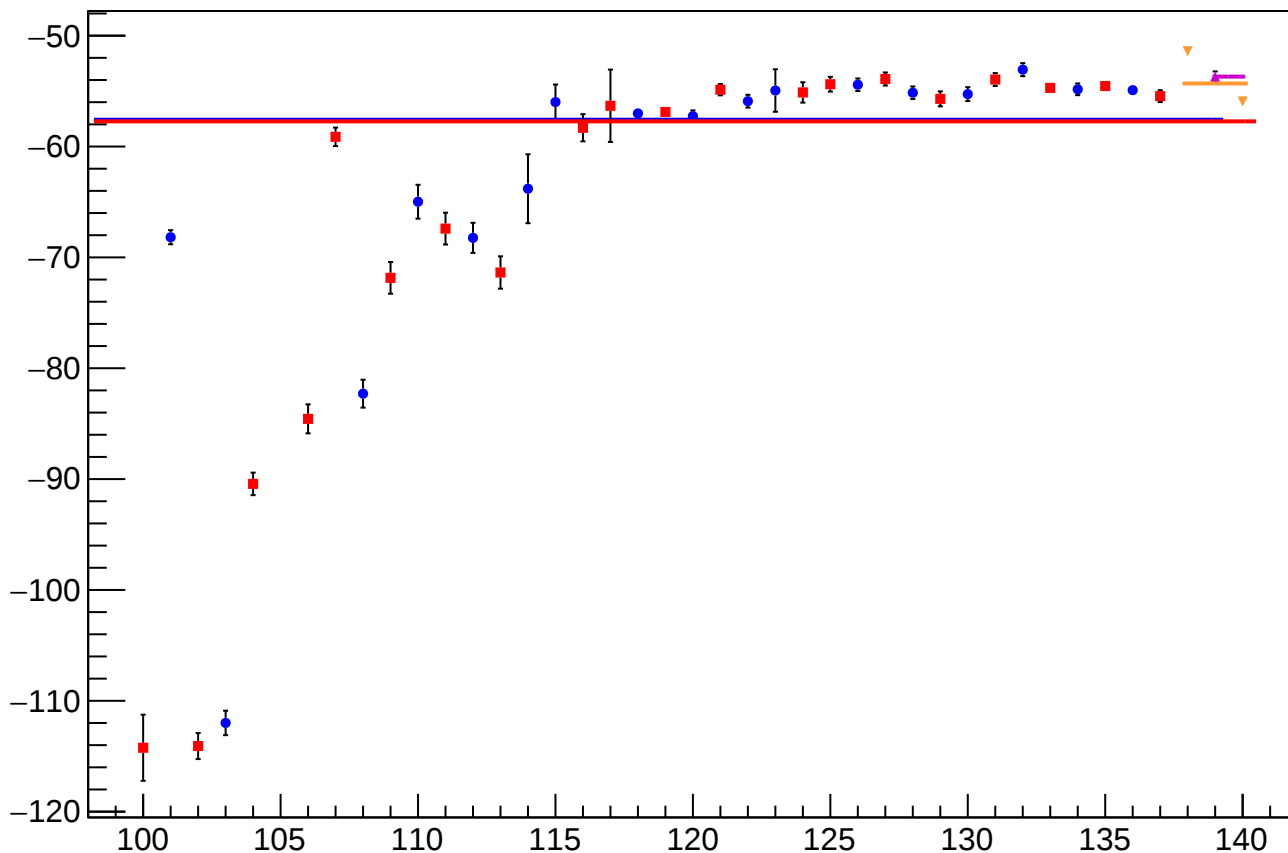
Right Out: -7.034 ± 0.062 χ^2/NDF : 0.0/19

Left In: -4.696 ± 0.261 χ^2/NDF : 0.0/0

-7.136 ± 0.064 χ^2/NDF : 50.7/18

-6.909 ± 0.060 χ^2/NDF : 76.2/20

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 $\pm$ 0.143 χ^2 /NDF: 3455.5/16

Left Out: -54.312 $\pm$ 0.193 χ^2 /NDF:126.9/1

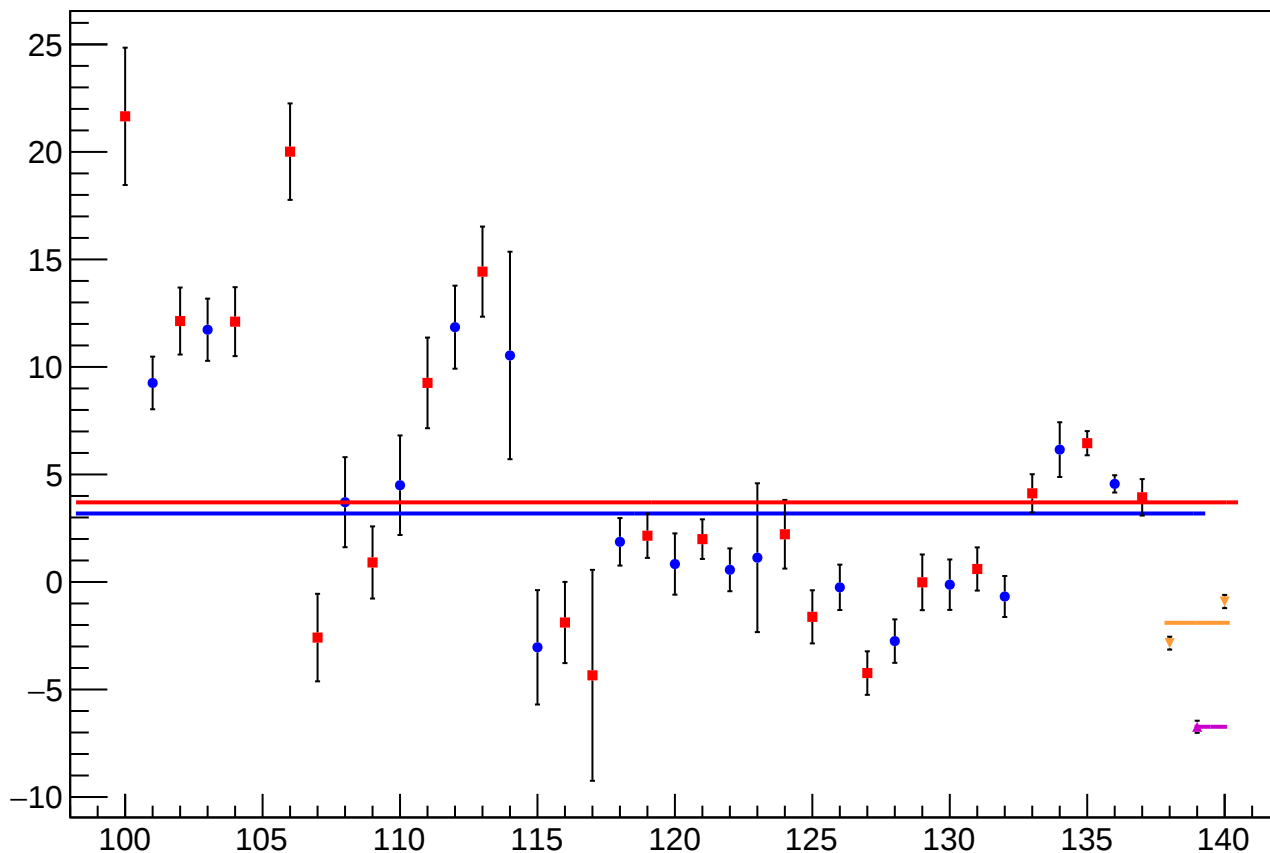
Right Out: -57.730 $\pm$ 0.143 χ^2 /NDF: 4698.7/19

Left In: -53.693 $\pm$ 0.466 χ^2 /NDF:0.0/0

-56.422 $\pm$ 0.115 χ^2 /NDF: 3767.6/18

-57.383 $\pm$ 0.137 χ^2 /NDF: 4767.2/20

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -1.899 ± 0.215 χ^2/NDF : 20.3/1

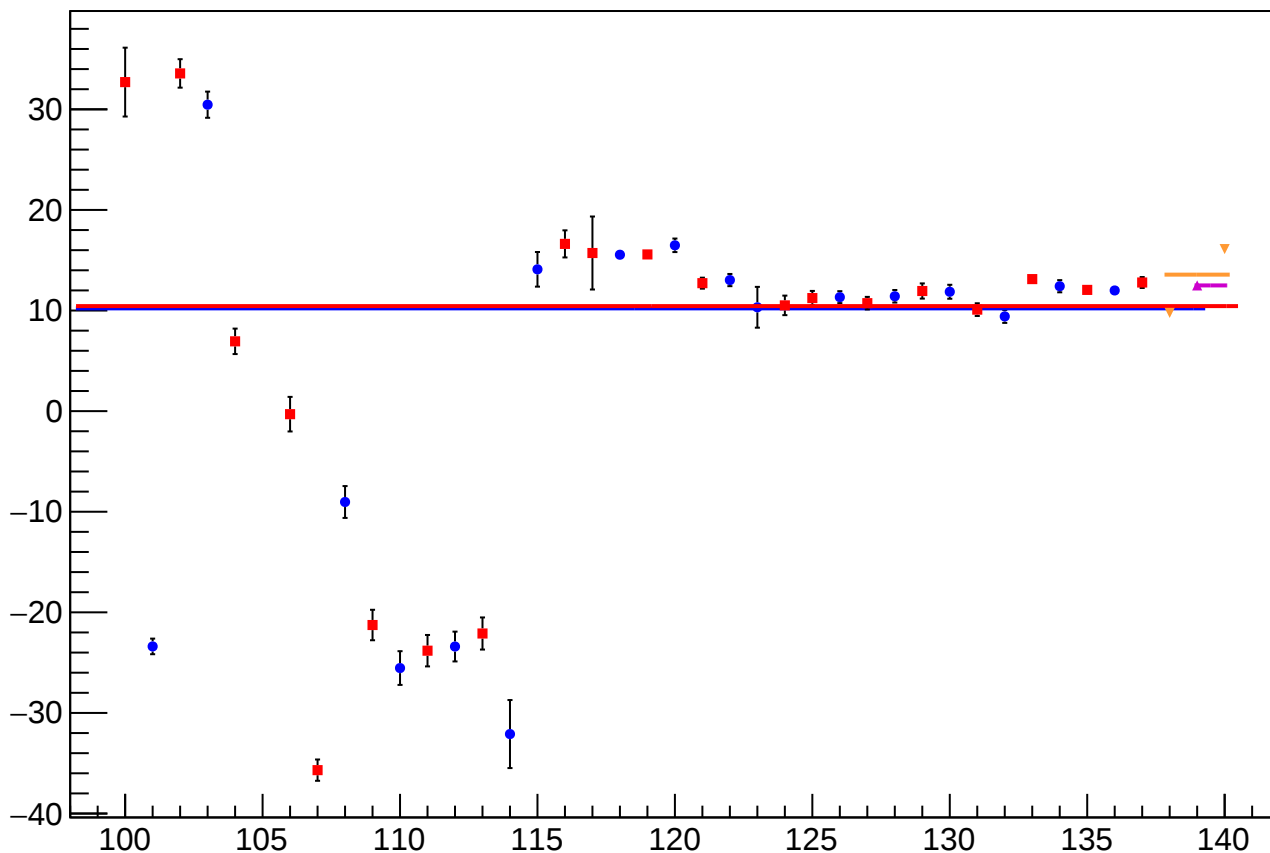
Right Out: 3.702 ± 0.267 χ^2/NDF : 326.8/19

Left In: -6.734 ± 0.283 χ^2/NDF : 0.0/0

0.171 ± 0.165 χ^2/NDF : 434.6/18

-1.224 ± 0.194 χ^2/NDF : 1047.1/20

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 13.569+/-0.224 χ^2/NDF :192.8/1

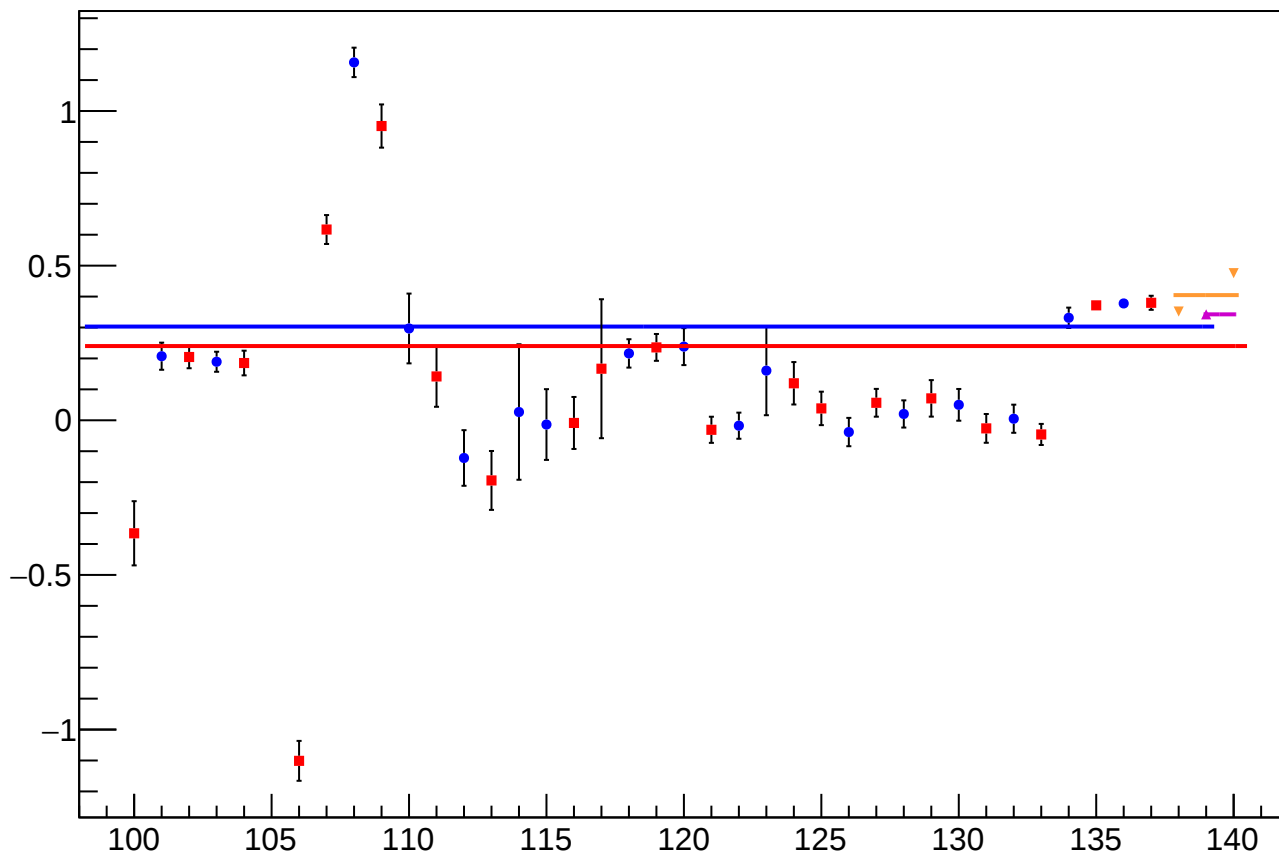
Right Out: 10.440+/-0.160 χ^2/NDF : 3829.1/19

Left In: 12.496+/-0.449 χ^2/NDF :0.0/0

11.332+/-0.129 χ^2/NDF : 4035.3/18

10.672+/-0.151 χ^2/NDF : 3847.7/20

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2/NDF : 646.3/16

Left Out: 0.405 $\pm$ 0.009 χ^2/NDF : 49.7/1

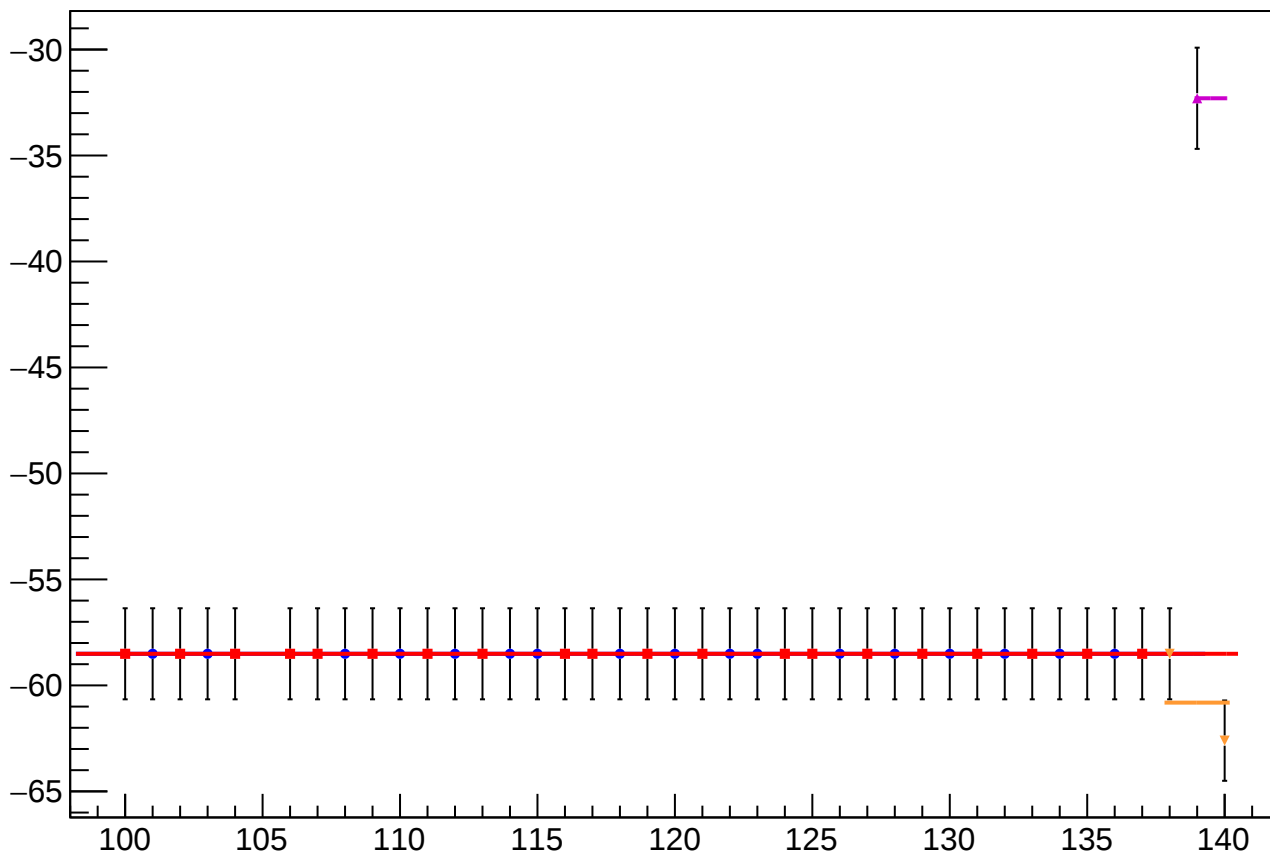
Right Out: 0.240 $\pm$ 0.009 χ^2/NDF : 984.5/19

Left In: 0.343 $\pm$ 0.010 χ^2/NDF : 0.0/0

0.351 $\pm$ 0.006 χ^2/NDF : 768.2/18

0.284 $\pm$ 0.006 χ^2/NDF : 1045.9/20

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -58.509 $\pm$ 0.521 χ^2 /NDF: 0.0/16

Left Out: -60.813 $\pm$ 1.421 χ^2 /NDF: 2.0/1

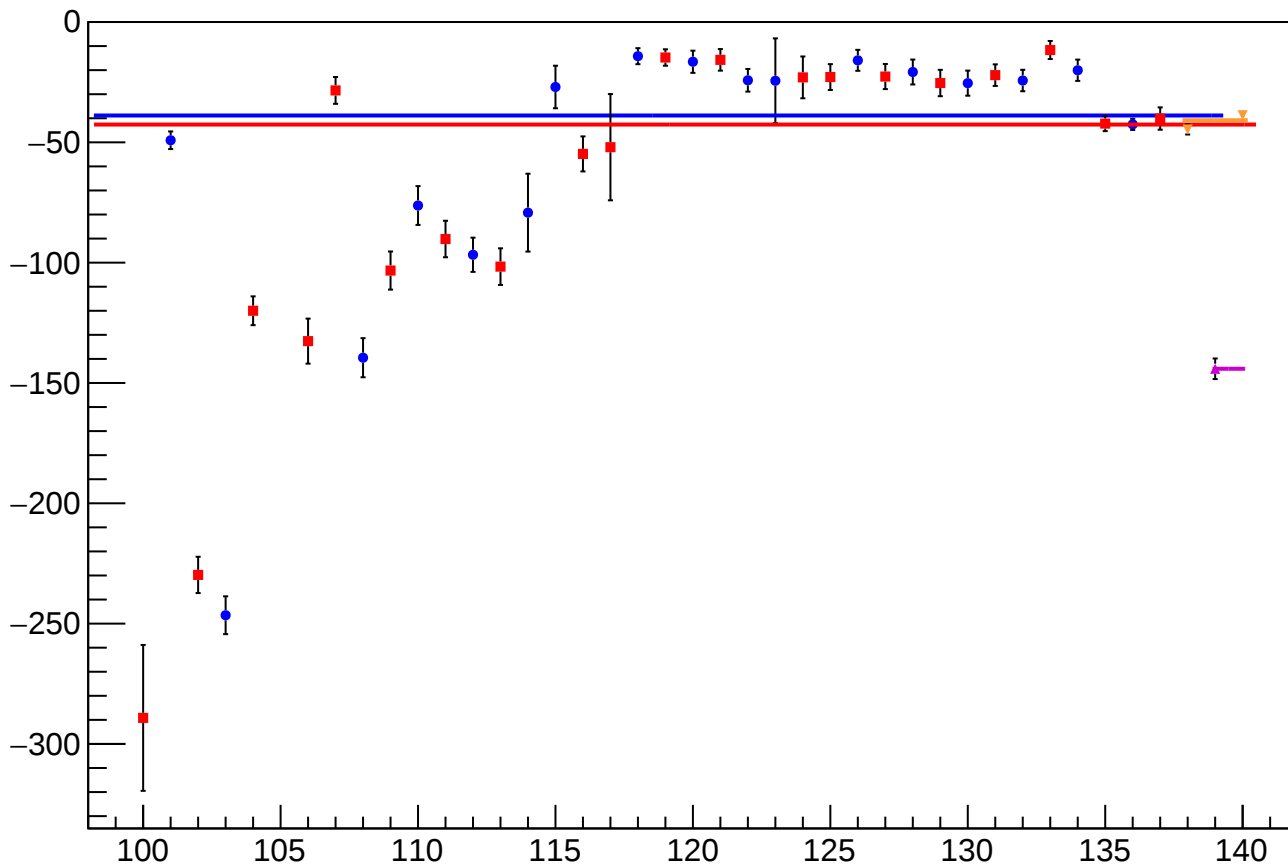
Right Out: -58.509 $\pm$ 0.480 χ^2 /NDF: 0.0/19

Left In: -32.300 $\pm$ 2.387 χ^2 /NDF: 0.0/0

-58.782 $\pm$ 0.489 χ^2 /NDF: 4.4/18

-57.489 $\pm$ 0.471 χ^2 /NDF: 115.8/20

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -40.816 ± 1.247 $\chi^2/\text{NDF}: 5.1/1$

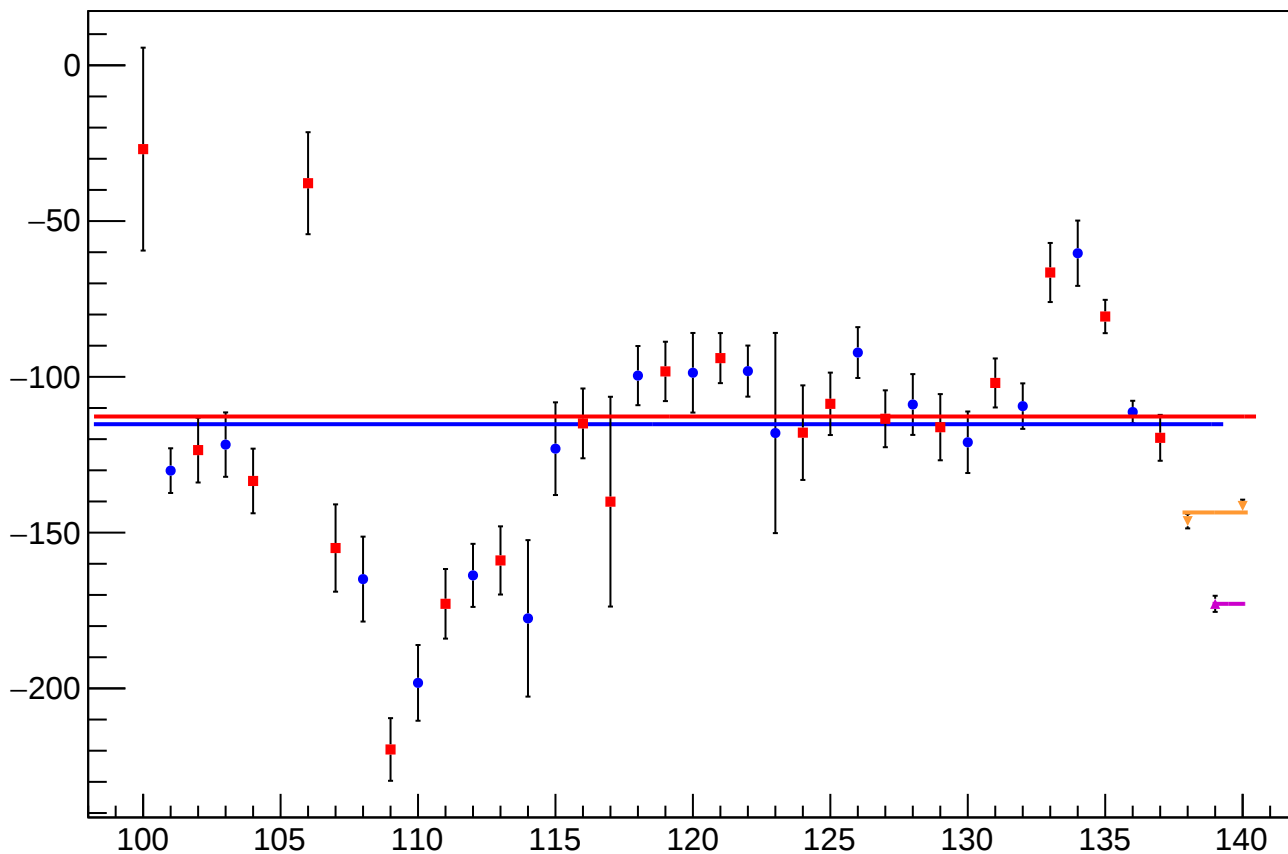
Right Out: -42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

Left In: -144.093 ± 4.281 $\chi^2/\text{NDF}: 0.0/0$

-39.749 ± 0.845 $\chi^2/\text{NDF}: 1128.3/18$

-50.101 ± 1.163 $\chi^2/\text{NDF}: 1866.2/20$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199+/-2.081 χ^2/NDF : 140.8/16

Left Out: -143.529+/-1.525 χ^2/NDF : 2.5/1

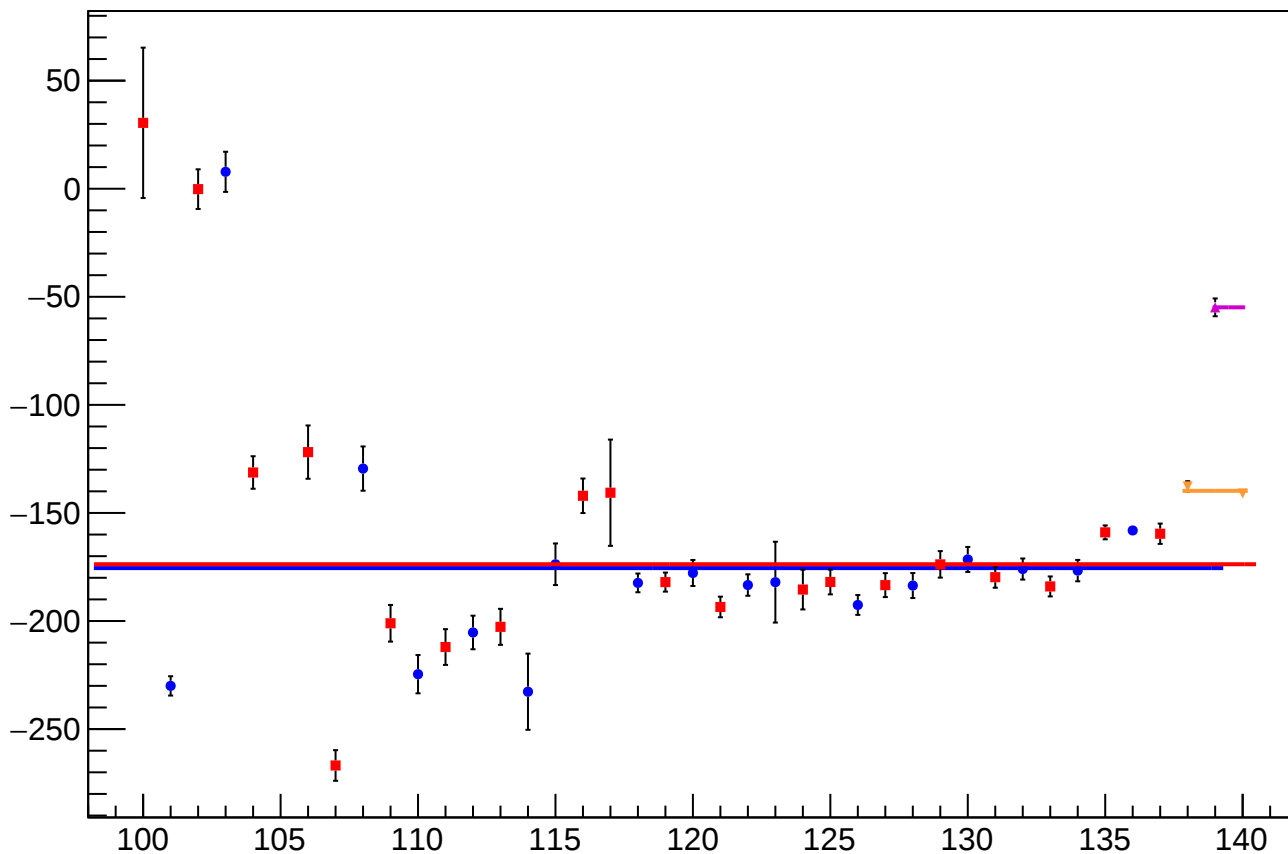
Right Out: -112.729+/-2.205 χ^2/NDF : 273.1/19

Left In: -172.856+/-2.587 χ^2/NDF : 0.0/0

-133.631+/-1.230 χ^2/NDF : 263.8/18

-138.028+/-1.678 χ^2/NDF : 586.1/20

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -139.772 ± 1.481 χ^2/NDF : 1.1/1

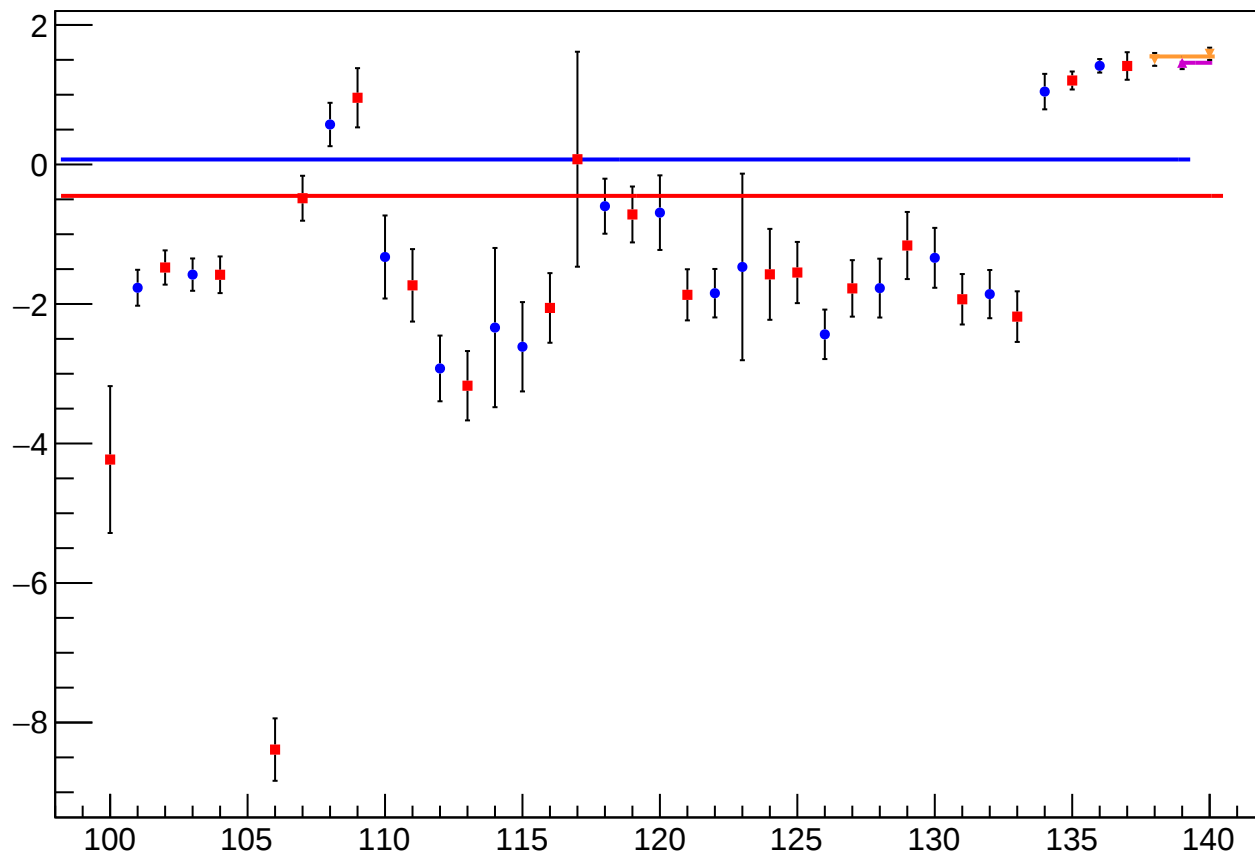
Right Out: -173.729 ± 1.354 χ^2/NDF : 739.7/19

Left In: -54.878 ± 4.120 χ^2/NDF : 0.0/0

-160.280 ± 0.967 χ^2/NDF : 1027.5/18

-162.138 ± 1.287 χ^2/NDF : 1490.6/20

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 $\chi^2/\text{NDF}: 525.2/16$

Left Out: 1.548 ± 0.064 $\chi^2/\text{NDF}: 0.4/1$

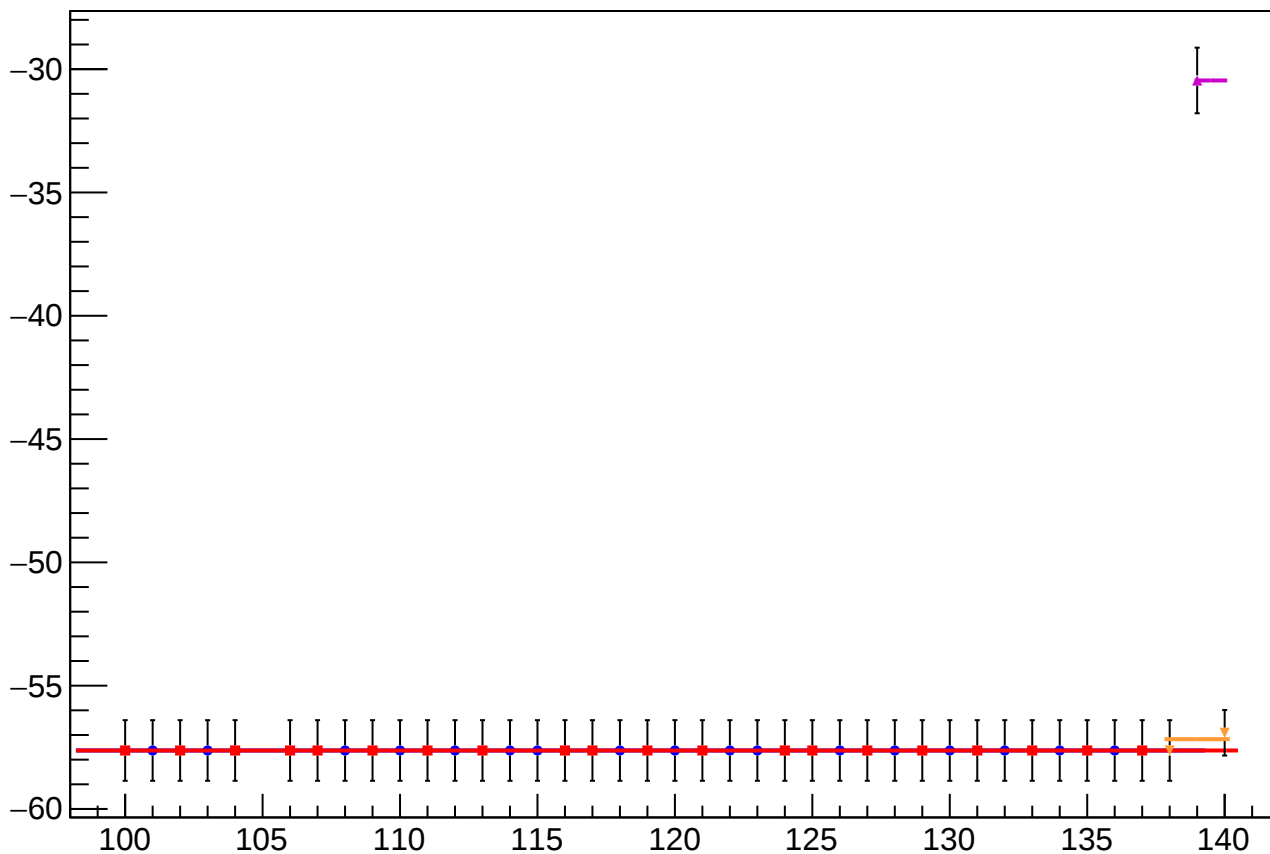
Right Out: -0.450 ± 0.071 $\chi^2/\text{NDF}: 751.4/19$

Left In: 1.458 ± 0.091 $\chi^2/\text{NDF}: 0.0/0$

0.849 ± 0.046 $\chi^2/\text{NDF}: 780.2/18$

0.276 ± 0.056 $\chi^2/\text{NDF}: 1024.4/20$

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -57.628 ± 0.298 χ^2/NDF : 0.0/16

Left Out: -57.169 ± 0.738 χ^2/NDF : 0.2/1

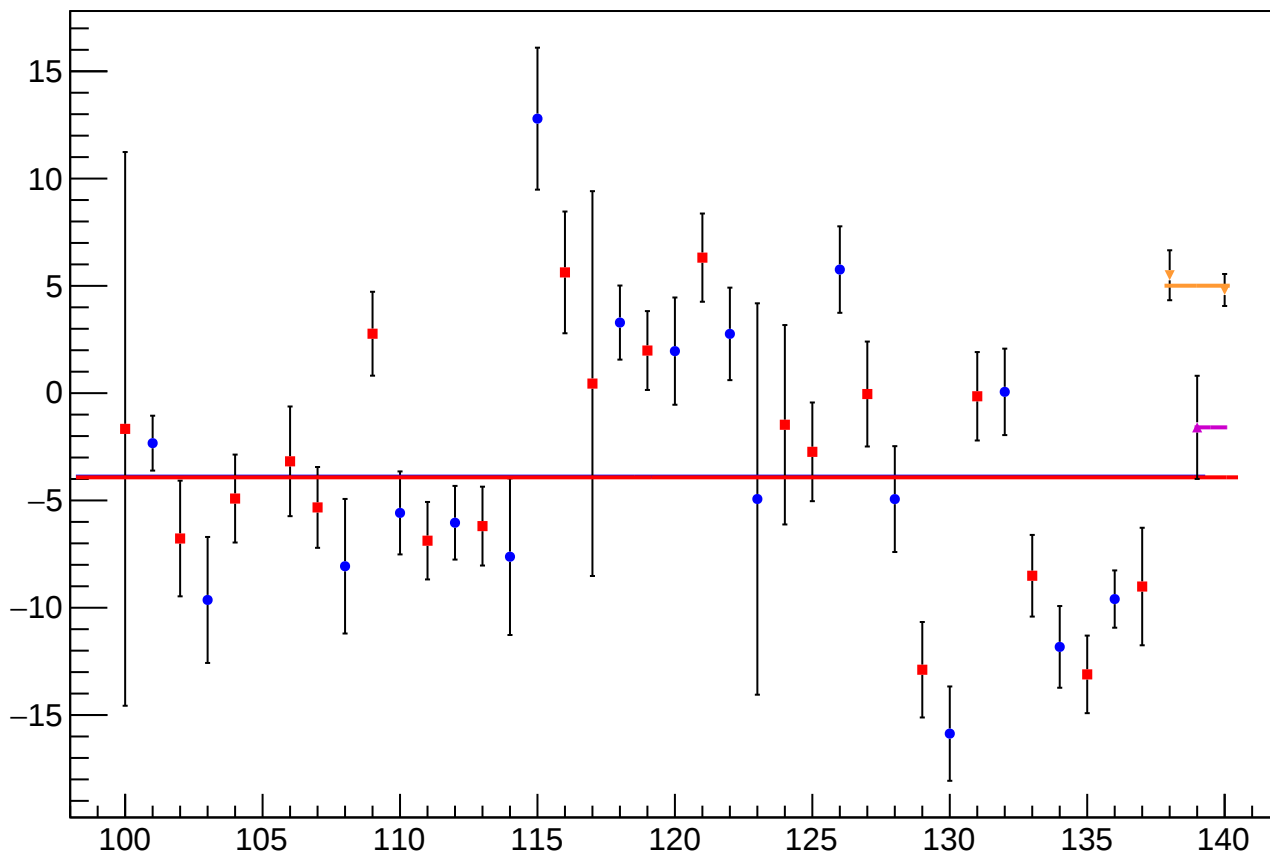
Right Out: -57.628 ± 0.275 χ^2/NDF : 0.0/19

Left In: -30.458 ± 1.330 χ^2/NDF : 0.0/0

-57.564 ± 0.276 χ^2/NDF : 0.6/18

-56.515 ± 0.269 χ^2/NDF : 400.1/20

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: 5.008 ± 0.628 χ^2/NDF : 0.2/1

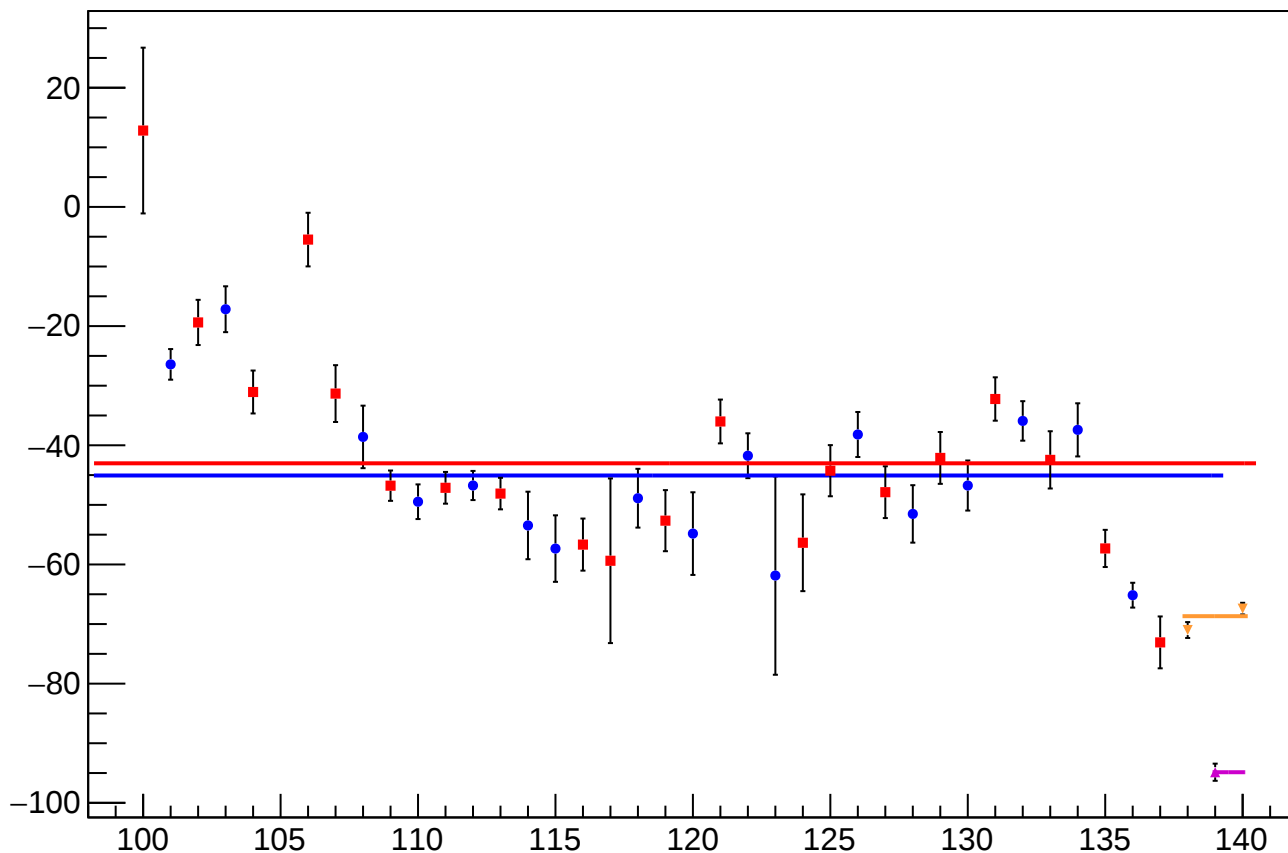
Right Out: -3.923 ± 0.506 χ^2/NDF : 122.4/19

Left In: -1.594 ± 2.404 χ^2/NDF : 0.0/0

-0.450 ± 0.390 χ^2/NDF : 284.0/18

-3.824 ± 0.495 χ^2/NDF : 123.3/20

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -68.678 ± 0.791 χ^2/NDF : 4.7/1

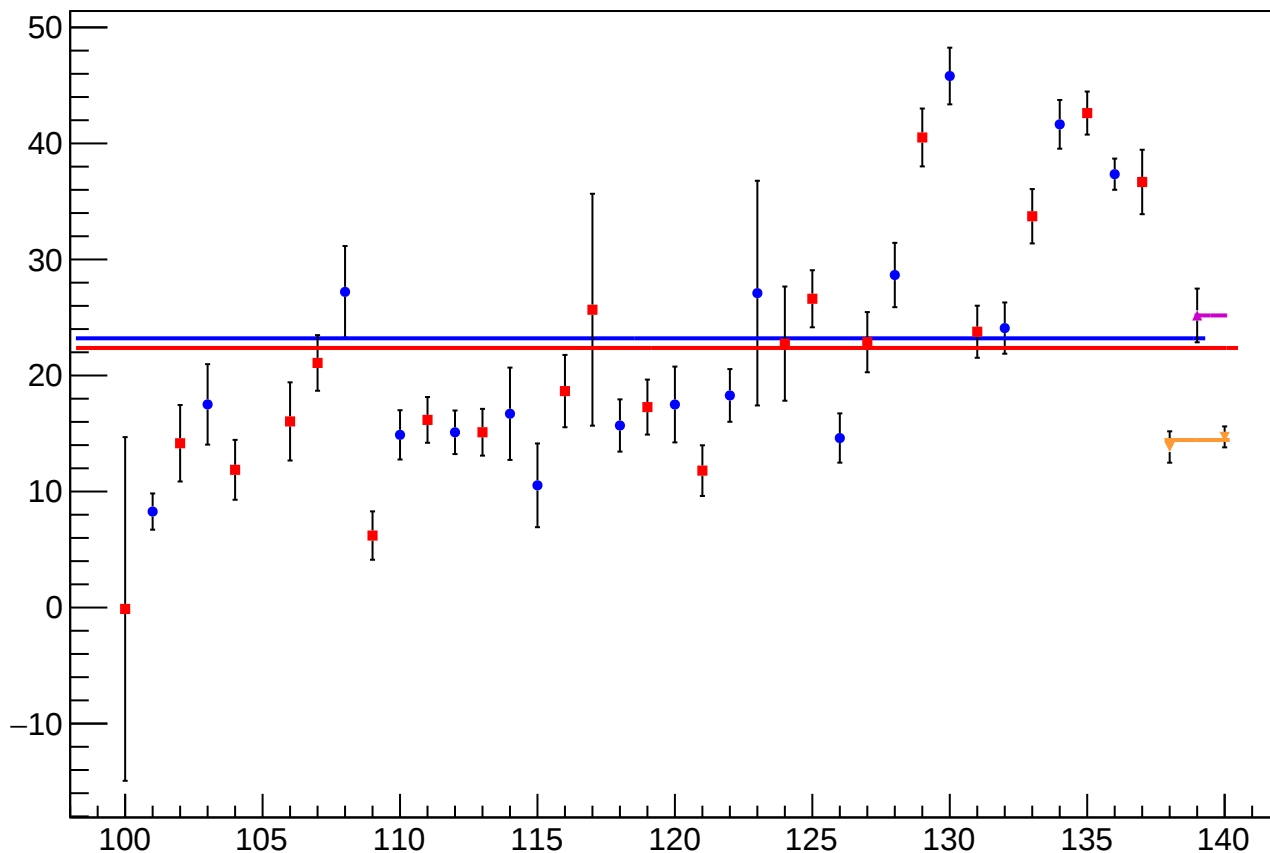
Right Out: -43.025 ± 0.876 χ^2/NDF : 249.7/19

Left In: -94.863 ± 1.439 χ^2/NDF : 0.0/0

-58.178 ± 0.589 χ^2/NDF : 631.0/18

-57.040 ± 0.748 χ^2/NDF : 1196.3/20

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205+/-0.559 χ^2/NDF : 457.3/16

Left Out: 14.439+/-0.751 χ^2/NDF : 0.3/1

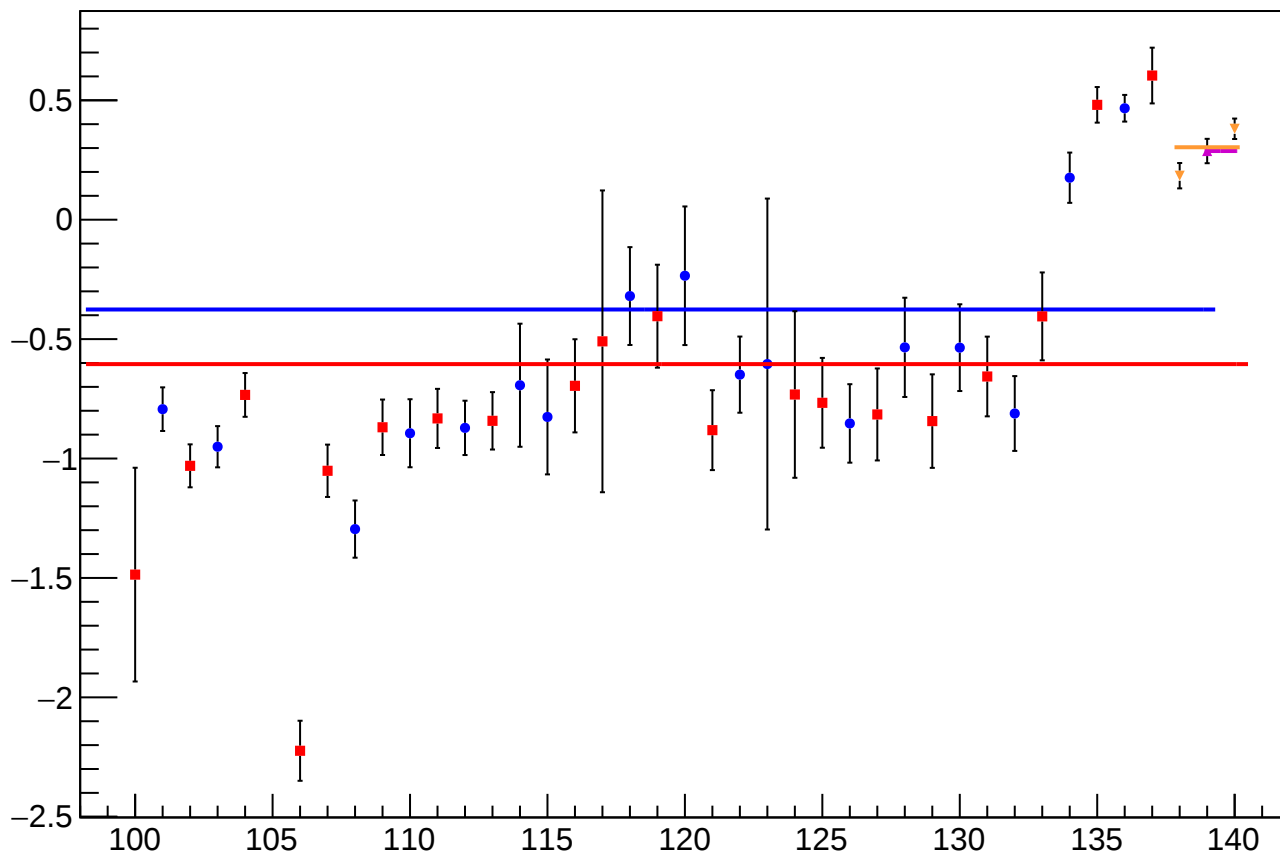
Right Out: 22.372+/-0.572 χ^2/NDF : 367.0/19

Left In: 25.175+/-2.315 χ^2/NDF : 0.0/0

20.080+/-0.448 χ^2/NDF : 545.3/18

22.533+/-0.555 χ^2/NDF : 368.4/20

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.303 ± 0.033 $\chi^2/\text{NDF}: 8.3/1$

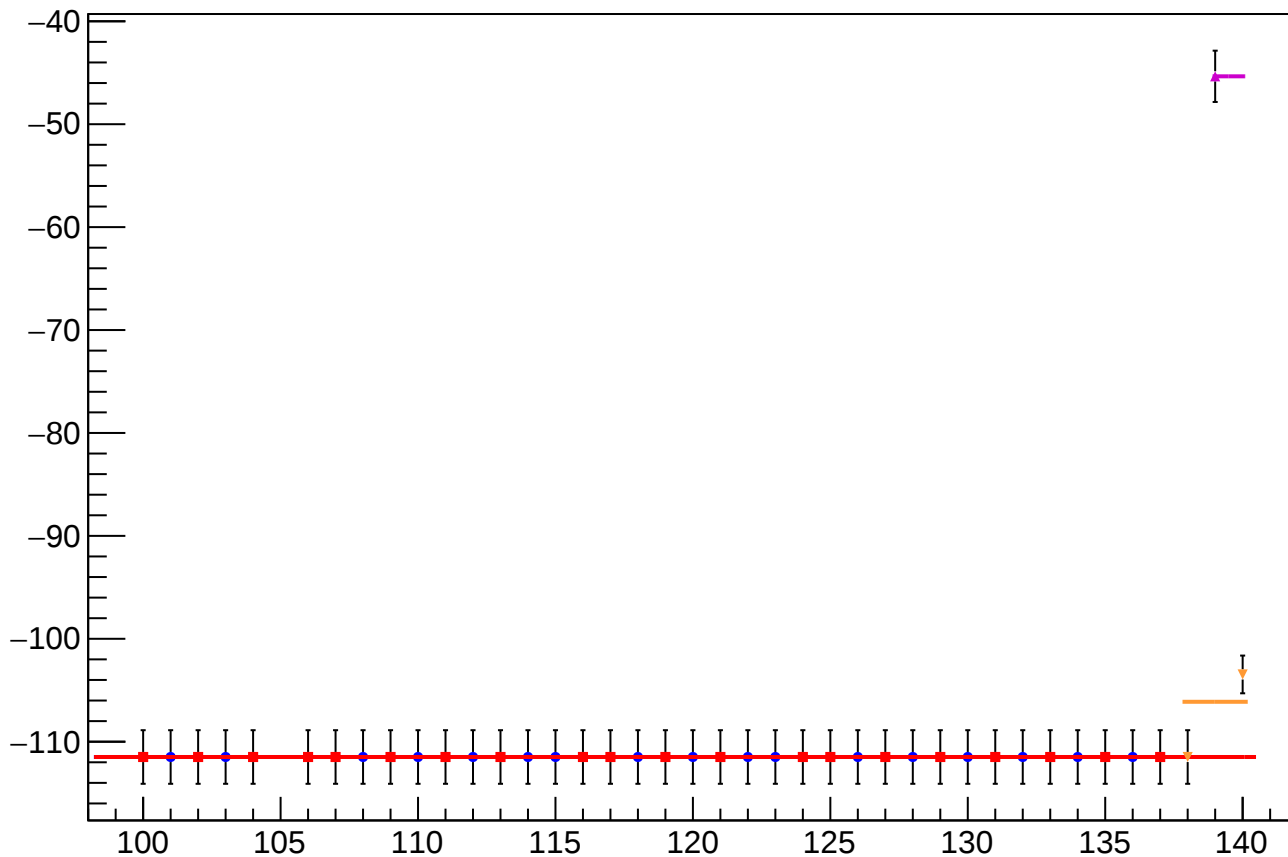
Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

Left In: 0.288 ± 0.051 $\chi^2/\text{NDF}: 0.0/0$

-0.071 ± 0.022 $\chi^2/\text{NDF}: 674.3/18$

-0.374 ± 0.026 $\chi^2/\text{NDF}: 777.4/20$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -111.486+/-0.632 χ^2/NDF : 0.0/16

Left Out: -106.121+/-1.499 χ^2/NDF : 6.3/1

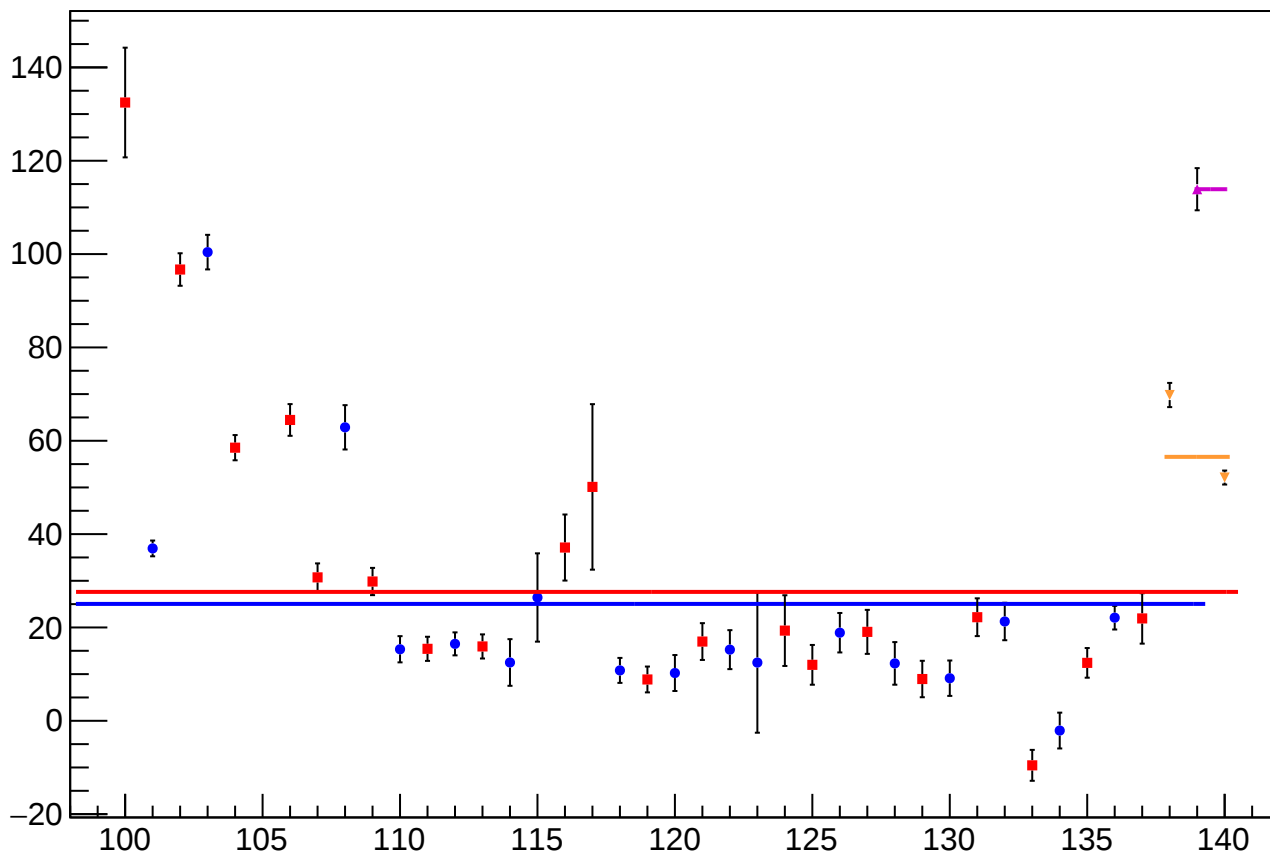
Right Out: -111.486+/-0.582 χ^2/NDF : 0.0/19

Left In: -45.347+/-2.492 χ^2/NDF : 0.0/0

-110.677+/-0.582 χ^2/NDF : 17.2/18

-108.063+/-0.567 χ^2/NDF : 667.7/20

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 56.554 $\pm$ 1.298 χ^2 /NDF:34.9/1

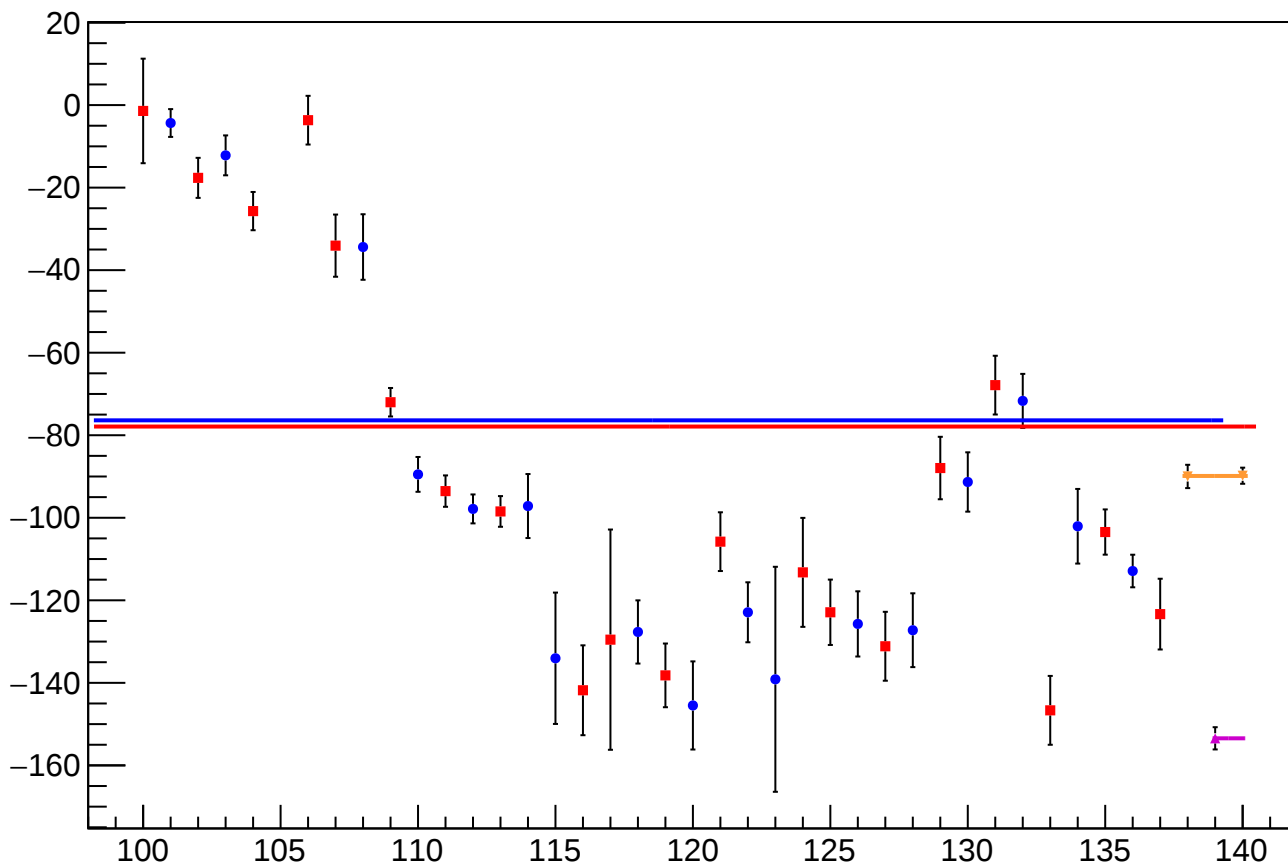
Right Out: 27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

Left In: 113.900 $\pm$ 4.517 χ^2 /NDF:0.0/0

33.818 $\pm$ 0.685 χ^2 /NDF: 1146.5/18

30.303 $\pm$ 0.796 χ^2 /NDF: 1367.9/20

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 $\pm$ 1.416 χ^2 /NDF: 1031.9/16

Left Out: -89.868 $\pm$ 1.606 χ^2 /NDF: 0.0/1

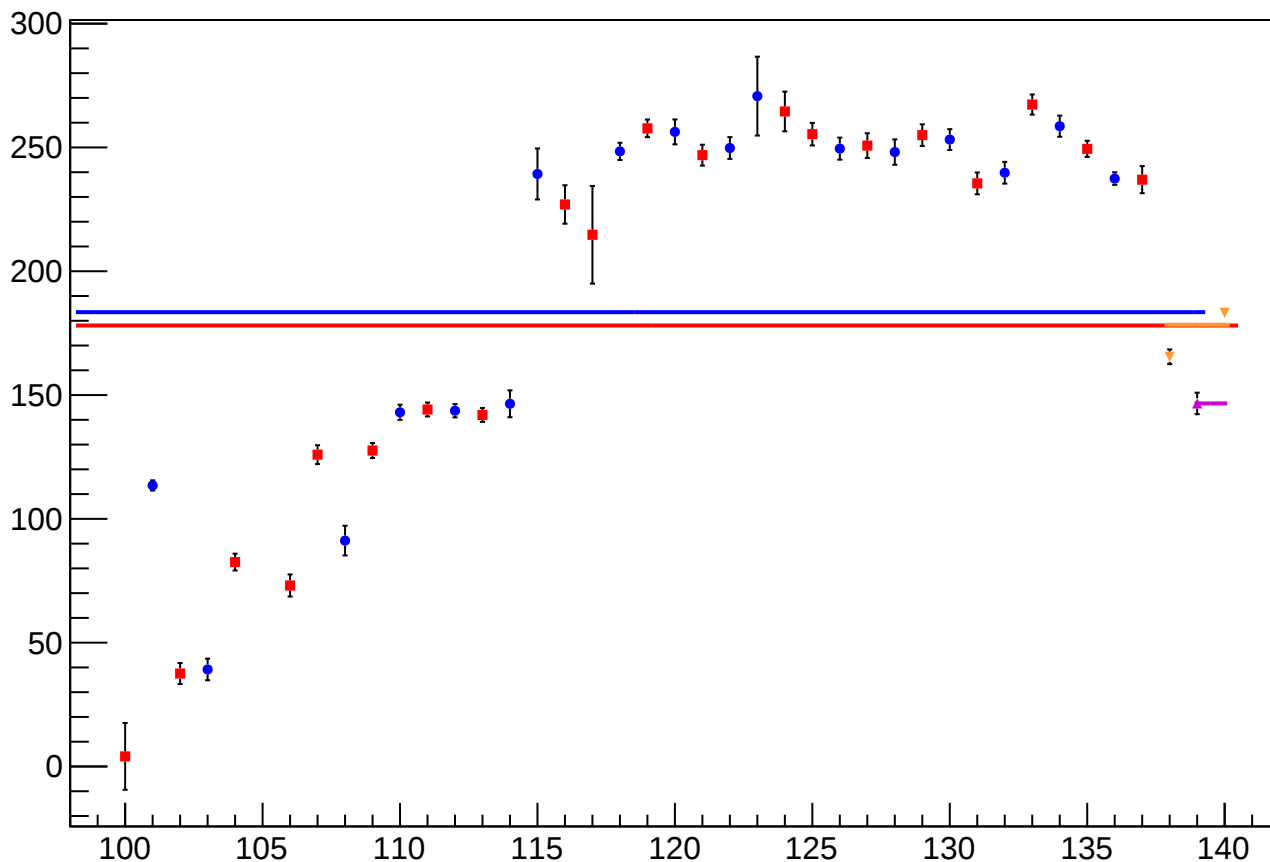
Right Out: -77.894 $\pm$ 1.351 χ^2 /NDF: 876.4/19

Left In: -153.443 $\pm$ 2.695 χ^2 /NDF: 0.0/0

-82.288 $\pm$ 1.062 χ^2 /NDF: 1071.6/18

-93.065 $\pm$ 1.208 χ^2 /NDF: 1504.3/20

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 178.407 $\pm$ 1.546 χ^2 /NDF:25.9/1

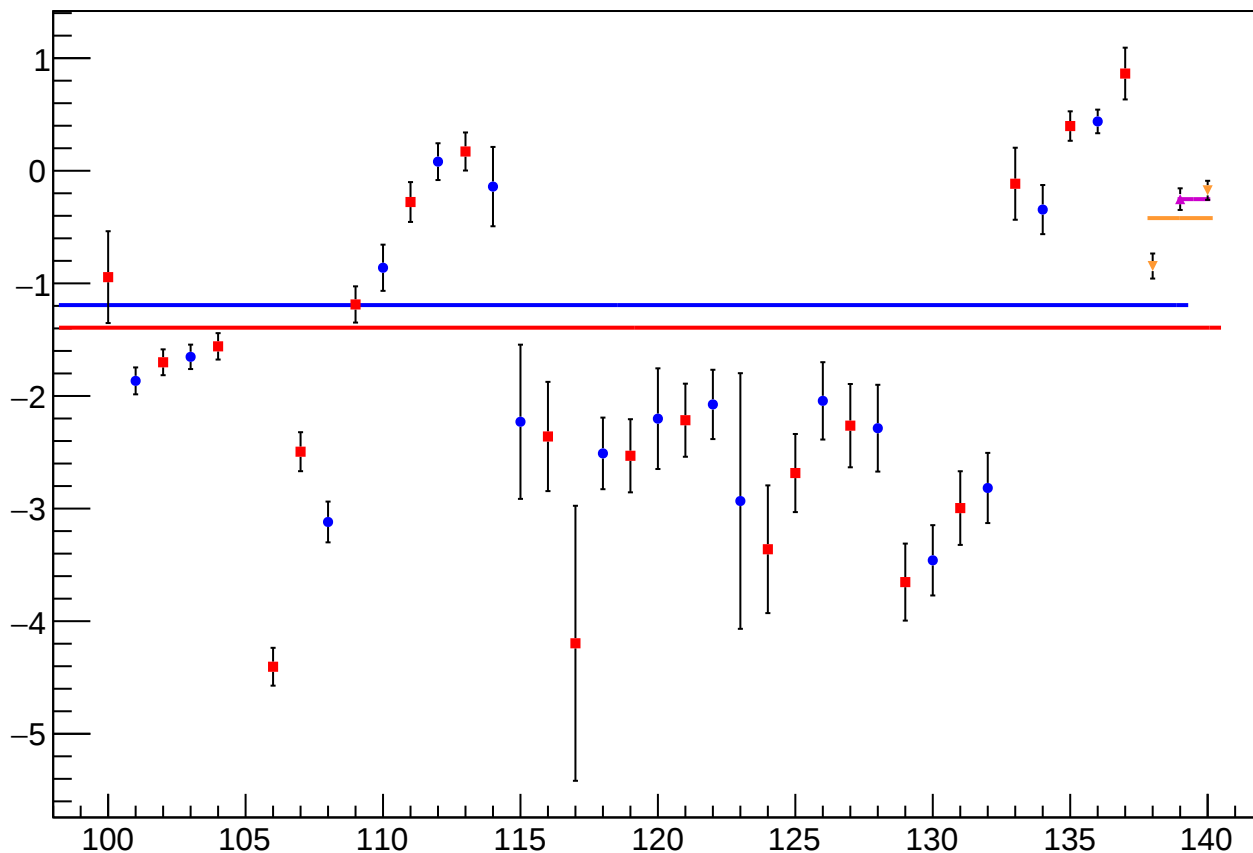
Right Out: 178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

Left In: 146.612 $\pm$ 4.351 χ^2 /NDF:0.0/0

182.155 $\pm$ 0.790 χ^2 /NDF: 5365.3/18

176.736 $\pm$ 0.903 χ^2 /NDF: 6399.3/20

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193+/-0.048 χ^2/NDF : 621.7/16

Left Out: -0.420+/-0.067 χ^2/NDF : 23.1/1

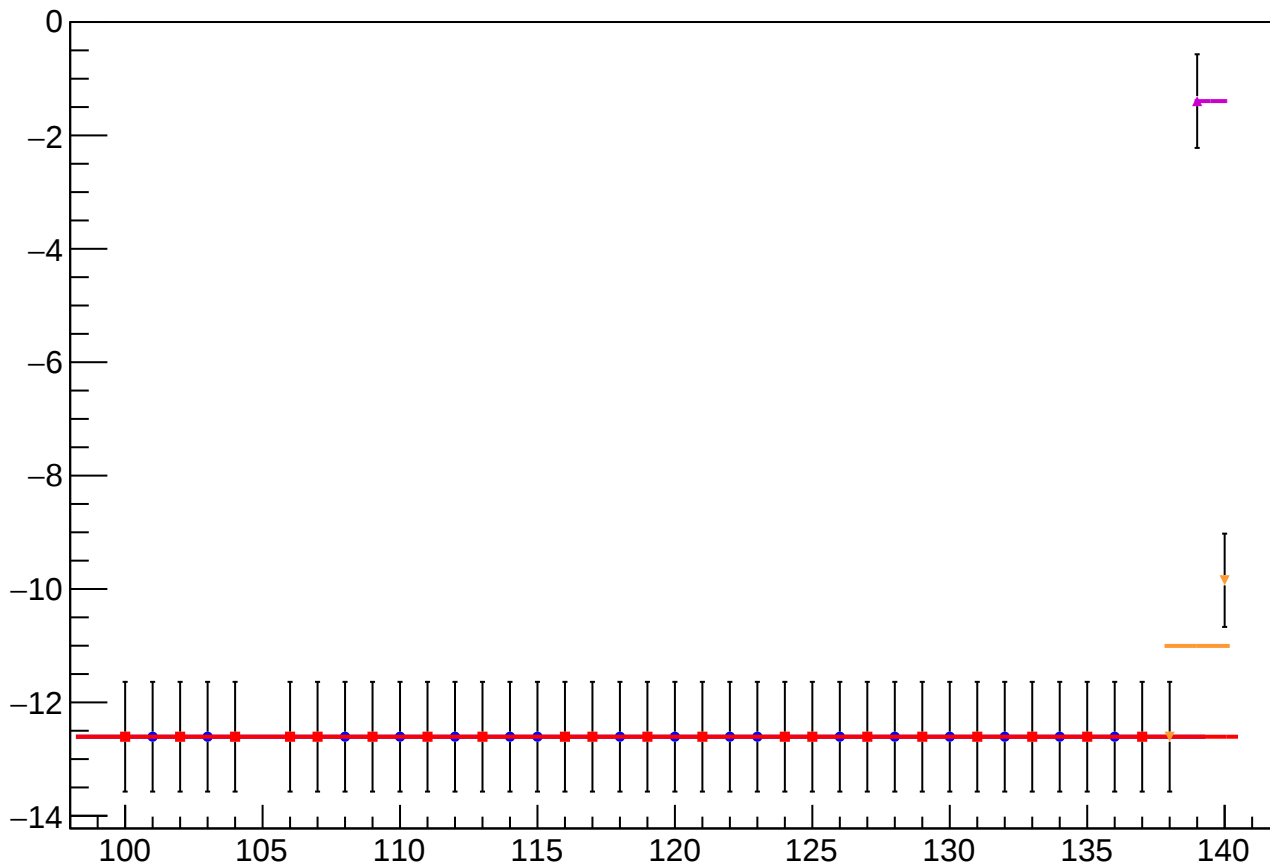
Right Out: -1.393+/-0.046 χ^2/NDF : 925.8/19

Left In: -0.252+/-0.096 χ^2/NDF : 0.0/0

-0.932+/-0.039 χ^2/NDF : 731.8/18

-1.182+/-0.041 χ^2/NDF : 1040.9/20

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -12.605 $\pm$ 0.235 χ^2 /NDF: 0.0/16

Left Out: -11.004 $\pm$ 0.627 χ^2 /NDF: 4.7/1

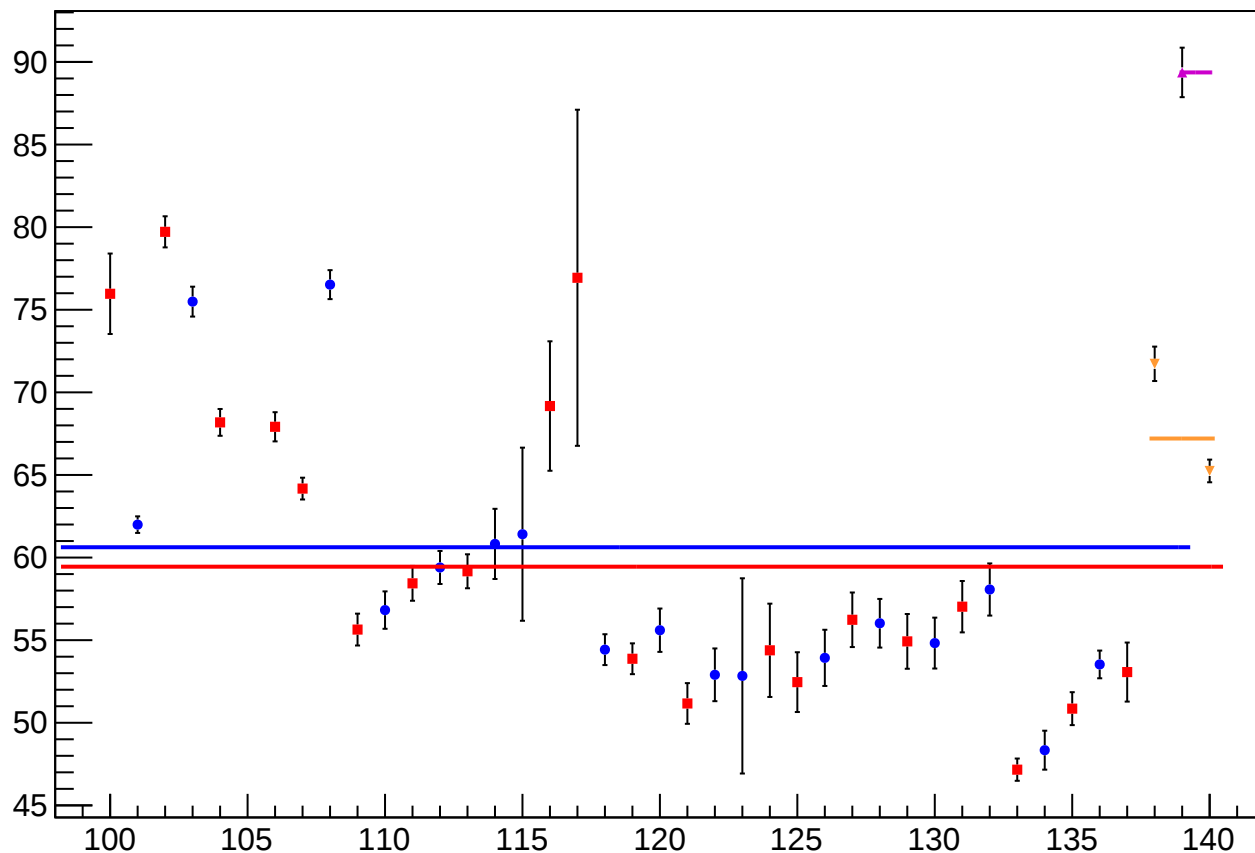
Right Out: -12.605 $\pm$ 0.216 χ^2 /NDF: 0.0/19

Left In: -1.395 $\pm$ 0.826 χ^2 /NDF: 0.0/0

-12.408 $\pm$ 0.220 χ^2 /NDF: 10.4/18

-11.885 $\pm$ 0.209 χ^2 /NDF: 172.5/20

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 ± 0.263 $\chi^2/\text{NDF}: 924.6/16$

Left Out: 67.205 ± 0.573 $\chi^2/\text{NDF}: 27.0/1$

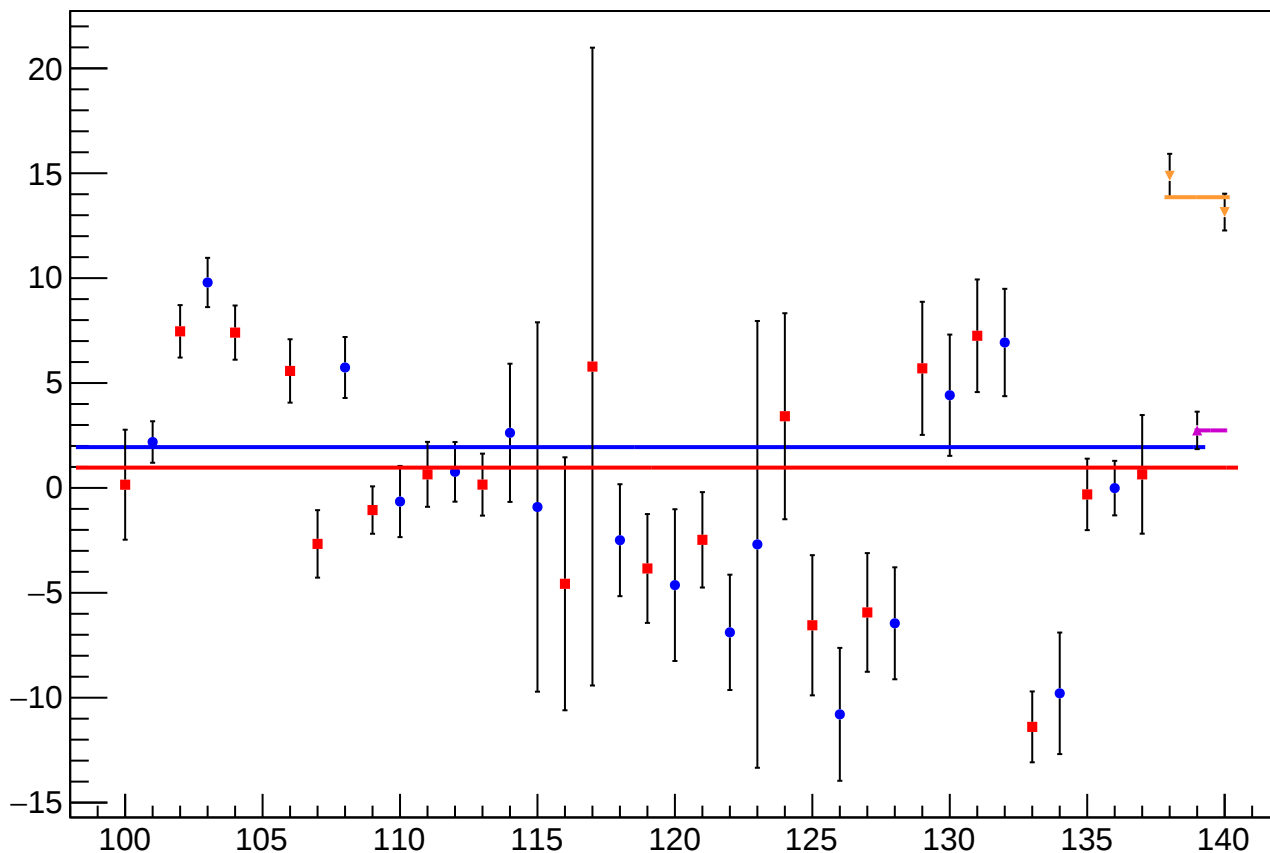
Right Out: 59.448 ± 0.248 $\chi^2/\text{NDF}: 1326.3/19$

Left In: 89.366 ± 1.498 $\chi^2/\text{NDF}: 0.0/0$

61.770 ± 0.239 $\chi^2/\text{NDF}: 1060.6/18$

60.244 ± 0.244 $\chi^2/\text{NDF}: 1714.5/20$

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 13.858 ± 0.673 χ^2/NDF : 1.6/1

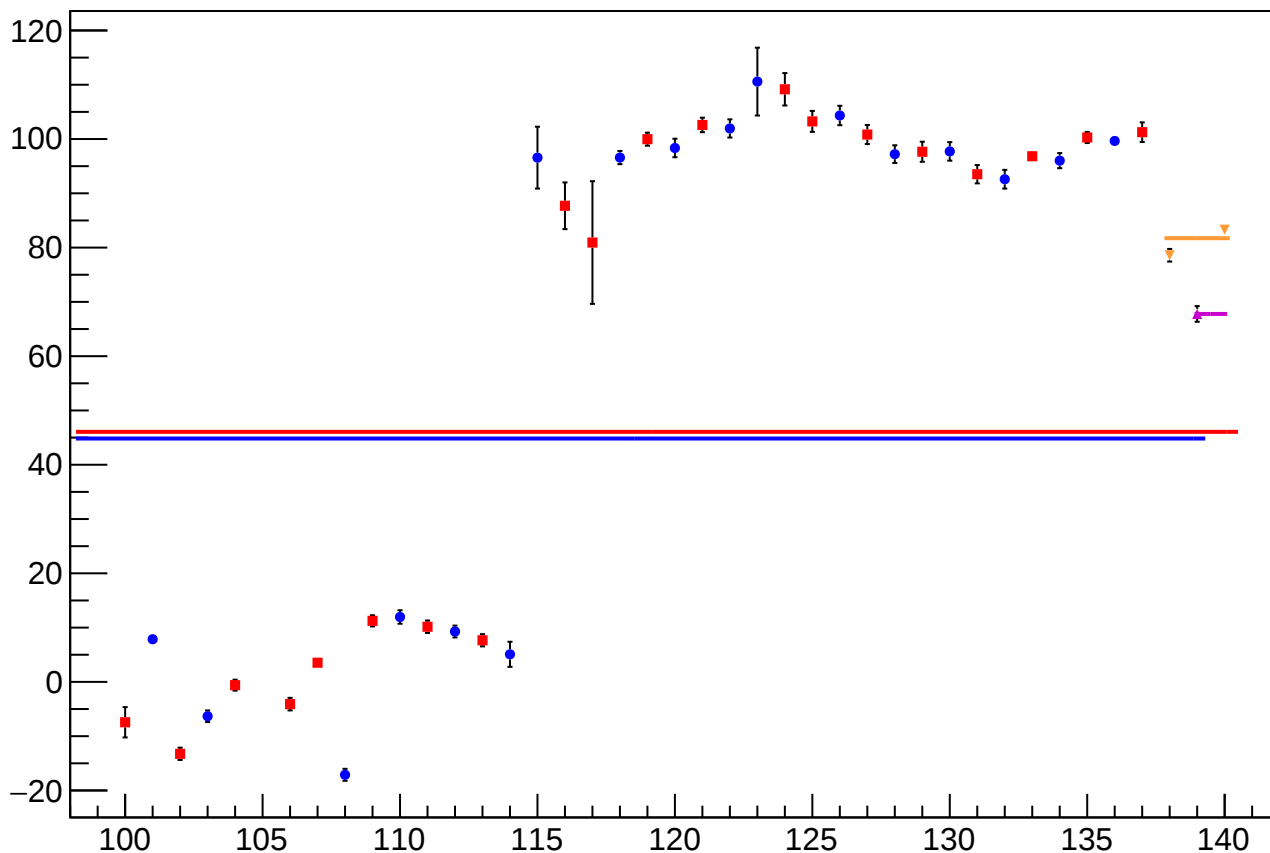
Right Out: 0.968 ± 0.424 χ^2/NDF : 149.6/19

Left In: 2.742 ± 0.892 χ^2/NDF : 0.0/0

5.725 ± 0.379 χ^2/NDF : 336.1/18

1.295 ± 0.383 χ^2/NDF : 152.9/20

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 81.733+/-0.674 χ^2/NDF : 10.9/1

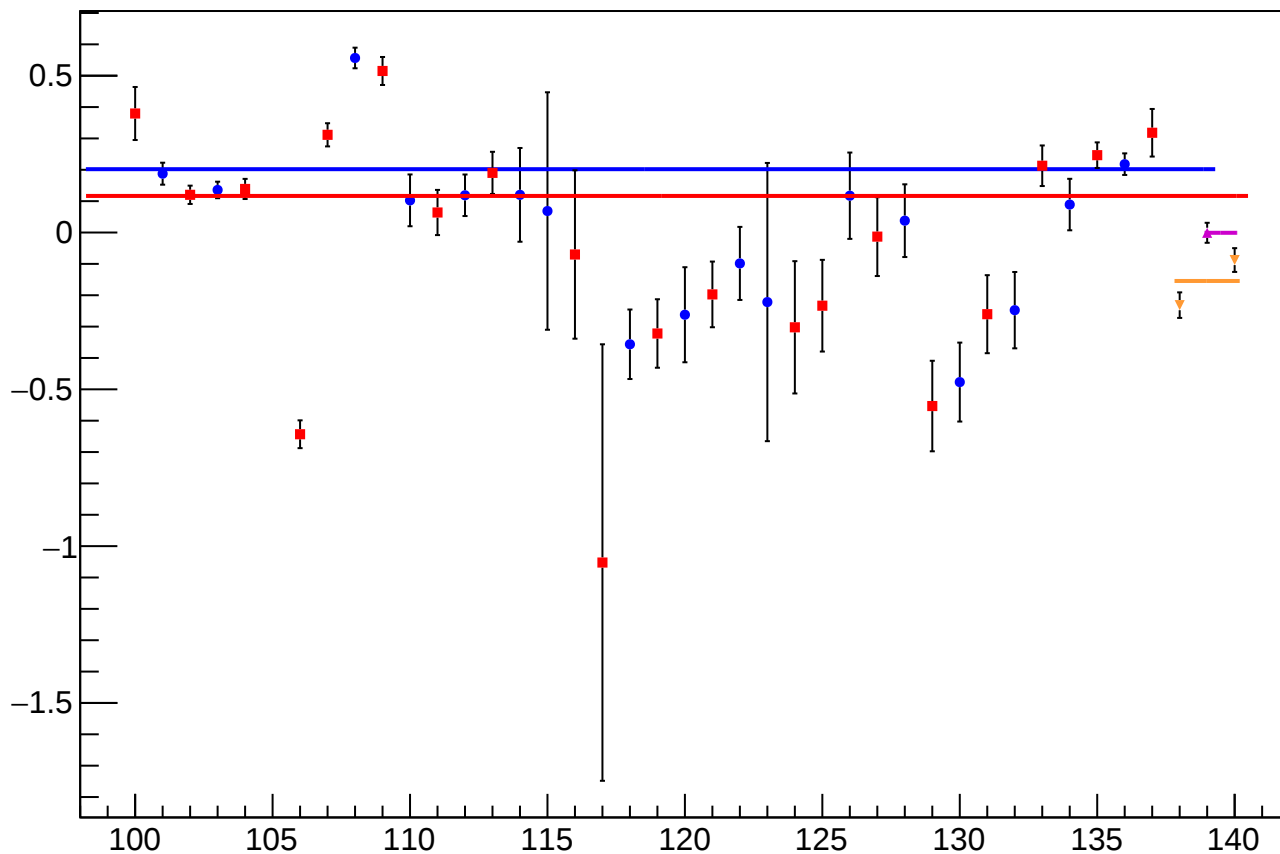
Right Out: 46.062+/-0.289 χ^2/NDF : 28272.9/19

Left In: 67.780+/-1.443 χ^2/NDF : 0.0/0

51.090+/-0.278 χ^2/NDF : 27263.0/18

46.902+/-0.284 χ^2/NDF : 28490.6/20

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.154 ± 0.028 χ^2/NDF : 6.7/1

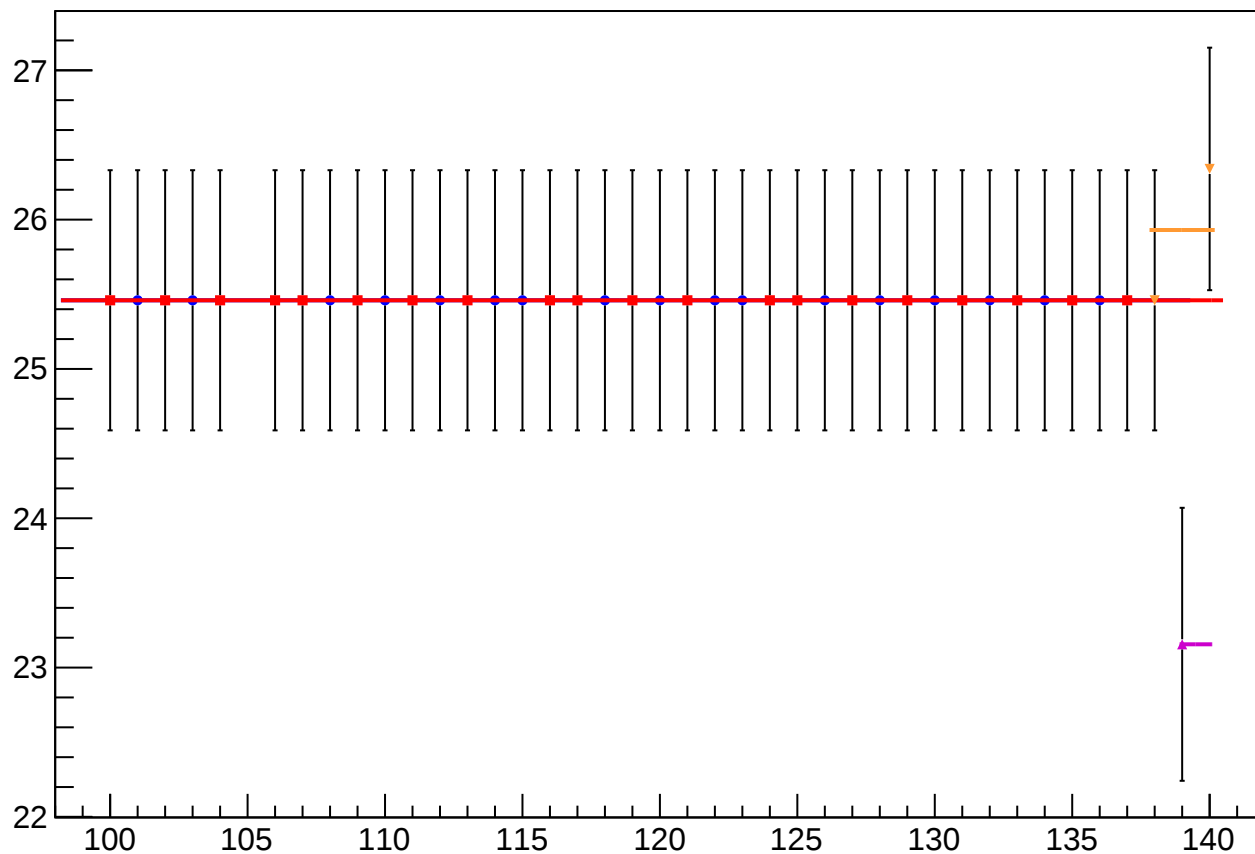
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.001 ± 0.032 χ^2/NDF : 0.0/0

0.129 ± 0.013 χ^2/NDF : 354.0/18

0.100 ± 0.012 χ^2/NDF : 514.1/20

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 25.460 $\pm$ 0.211 χ^2 /NDF: 0.0/16

Left Out: 25.931 $\pm$ 0.594 χ^2 /NDF: 0.5/1

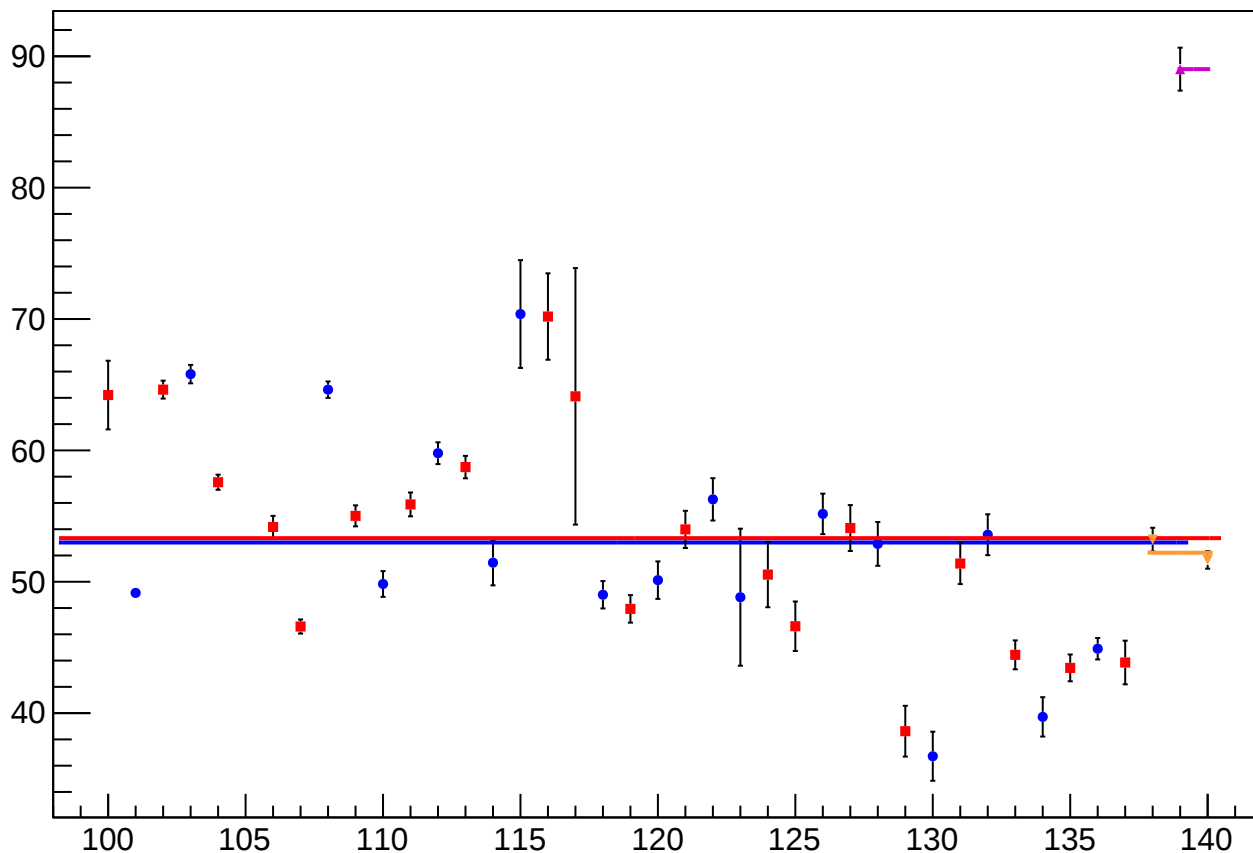
Right Out: 25.460 $\pm$ 0.195 χ^2 /NDF: 0.0/19

Left In: 23.156 $\pm$ 0.914 χ^2 /NDF: 0.0/0

25.513 $\pm$ 0.199 χ^2 /NDF: 1.1/18

25.360 $\pm$ 0.191 χ^2 /NDF: 6.1/20

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989+/-0.211 χ^2/NDF : 1198.0/16

Left Out: 52.213+/-0.538 χ^2/NDF : 1.9/1

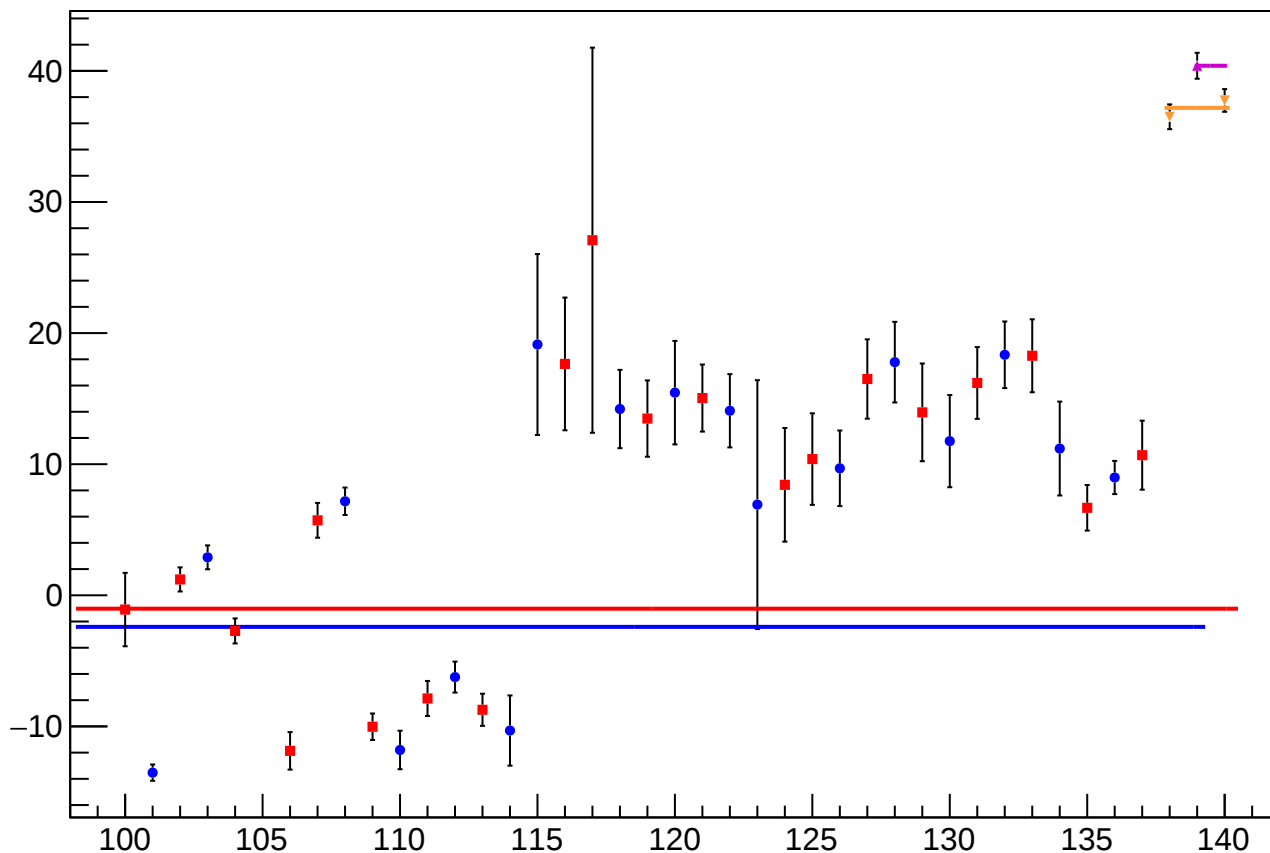
Right Out: 53.320+/-0.227 χ^2/NDF : 876.8/19

Left In: 89.021+/-1.635 χ^2/NDF : 0.0/0

52.886+/-0.196 χ^2/NDF : 1201.7/18

53.994+/-0.225 χ^2/NDF : 1344.8/20

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 37.178 ± 0.638 χ^2/NDF : 0.9/1

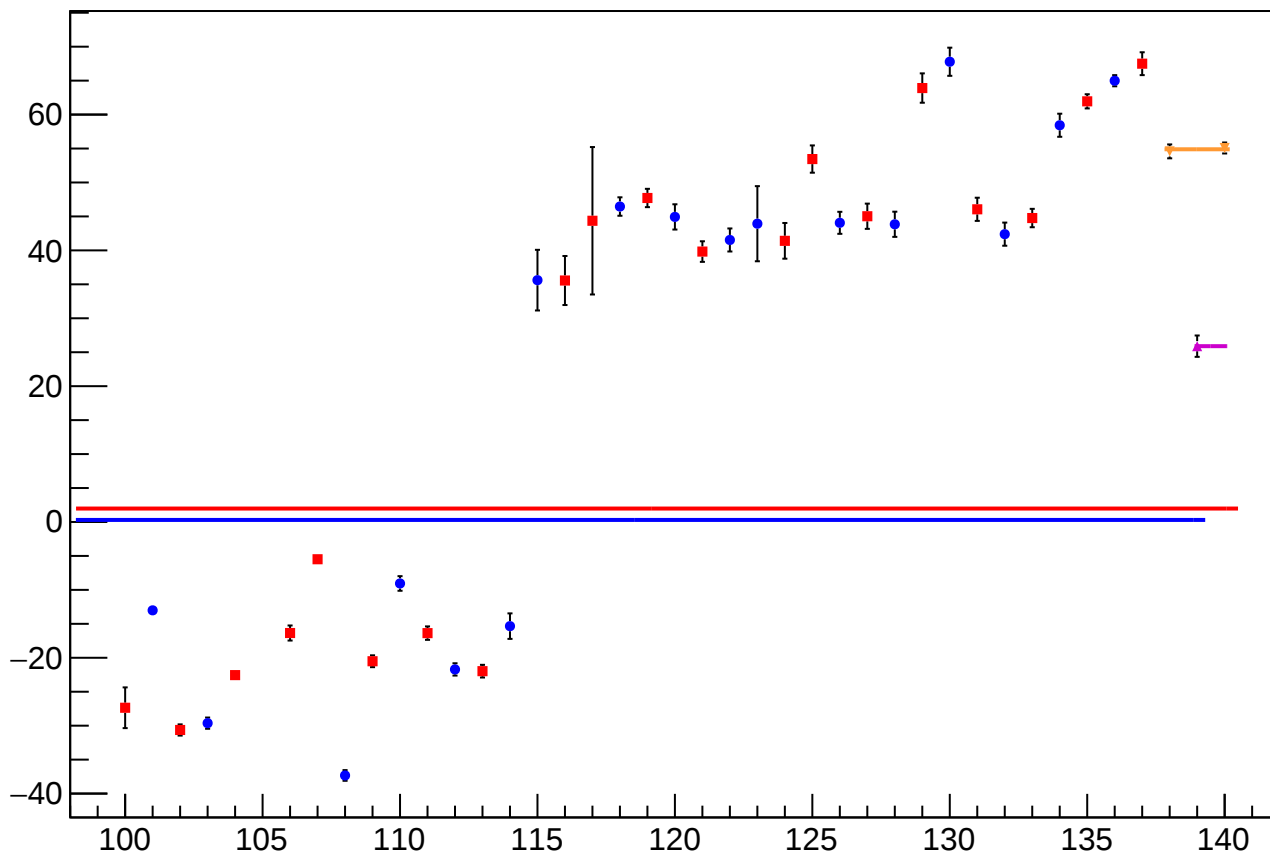
Right Out: -1.021 ± 0.377 χ^2/NDF : 511.2/19

Left In: 40.391 ± 0.991 χ^2/NDF : 0.0/0

7.325 ± 0.316 χ^2/NDF : 3738.7/18

4.215 ± 0.352 χ^2/NDF : 2037.5/20

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300+/-0.247 χ^2/NDF : 18259.2/16

Left Out: 54.889+/-0.634 χ^2/NDF : 0.1/1

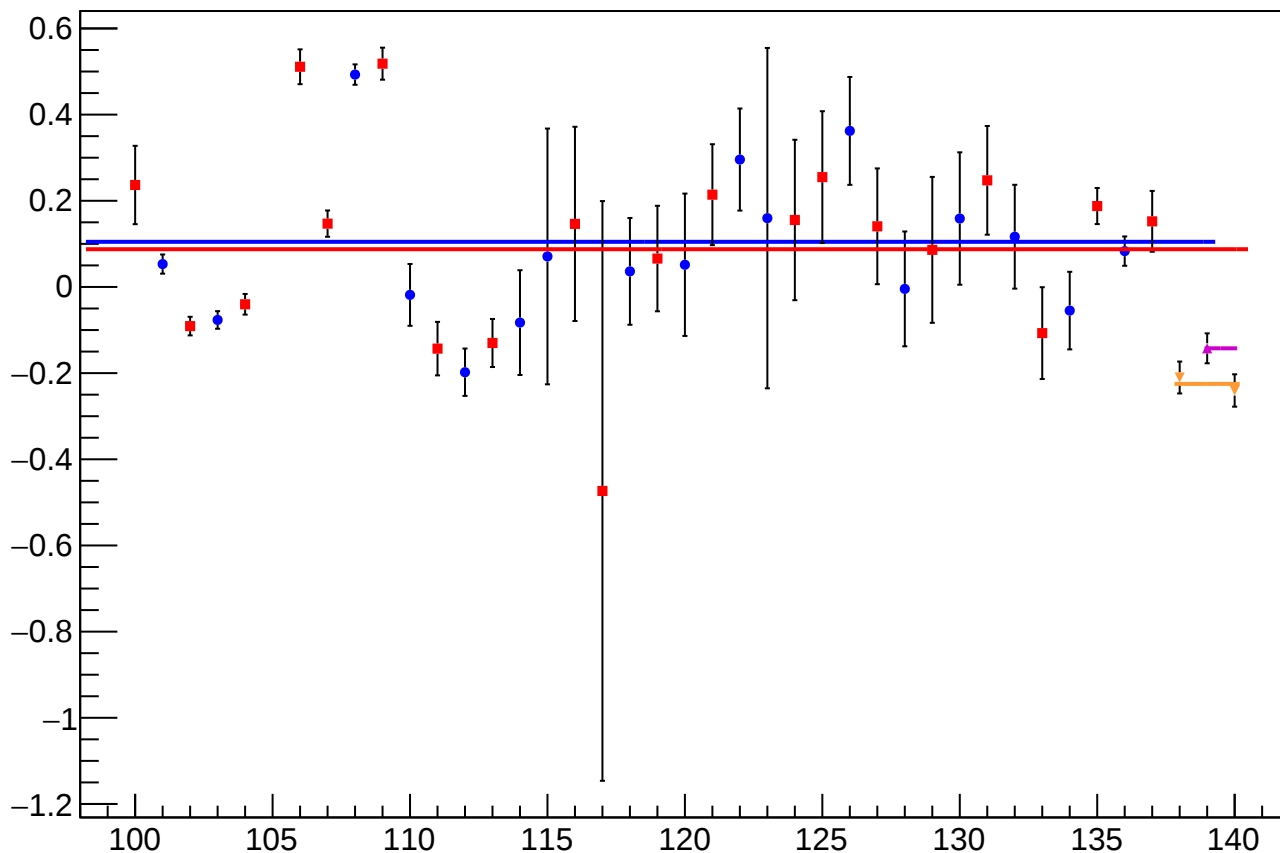
Right Out: 1.978+/-0.267 χ^2/NDF : 15465.9/19

Left In: 25.892+/-1.573 χ^2/NDF : 0.0/0

7.509+/-0.231 χ^2/NDF : 24687.4/18

2.646+/-0.263 χ^2/NDF : 15690.6/20

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.225 ± 0.026 χ^2/NDF : 0.3/1

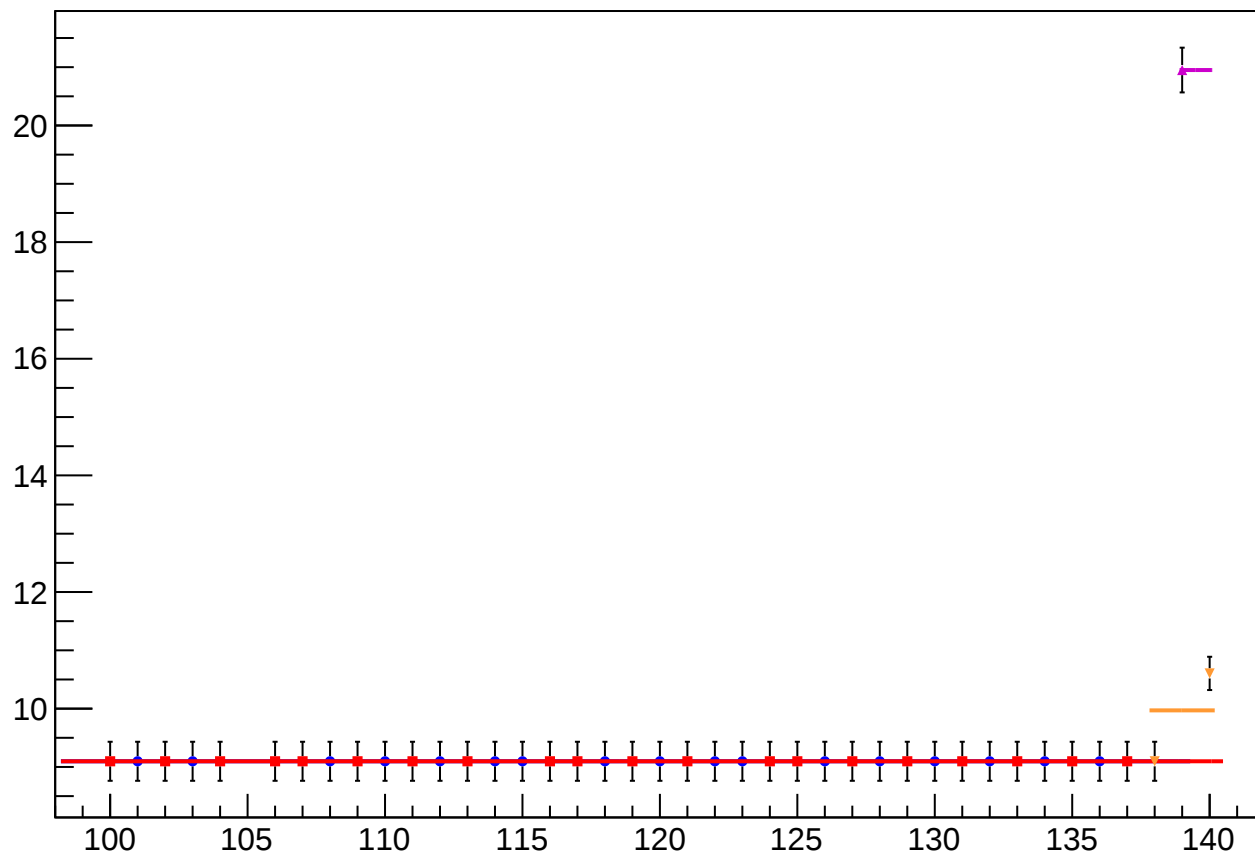
Right Out: 0.088 ± 0.011 χ^2/NDF : 391.6/19

Left In: -0.142 ± 0.035 χ^2/NDF : 0.0/0

0.056 ± 0.010 χ^2/NDF : 534.2/18

0.067 ± 0.010 χ^2/NDF : 431.5/20

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 9.097 ± 0.081 χ^2/NDF : 0.0/16

Left Out: 9.970 ± 0.217 χ^2/NDF : 11.7/1

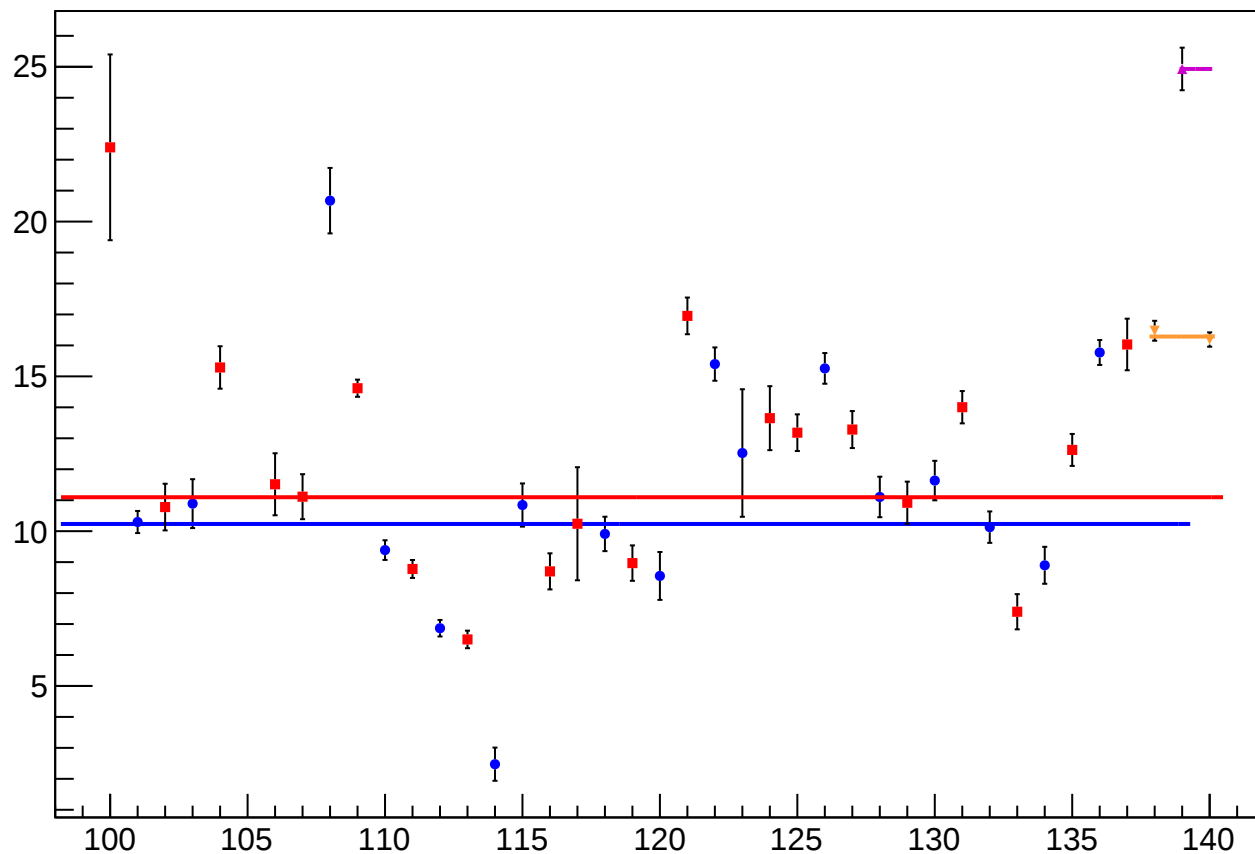
Right Out: 9.097 ± 0.075 χ^2/NDF : 0.0/19

Left In: 20.951 ± 0.384 χ^2/NDF : 0.0/0

9.204 ± 0.076 χ^2/NDF : 25.9/18

9.532 ± 0.073 χ^2/NDF : 919.8/20

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 16.287 $\pm$ 0.188 χ^2 /NDF: 0.5/1

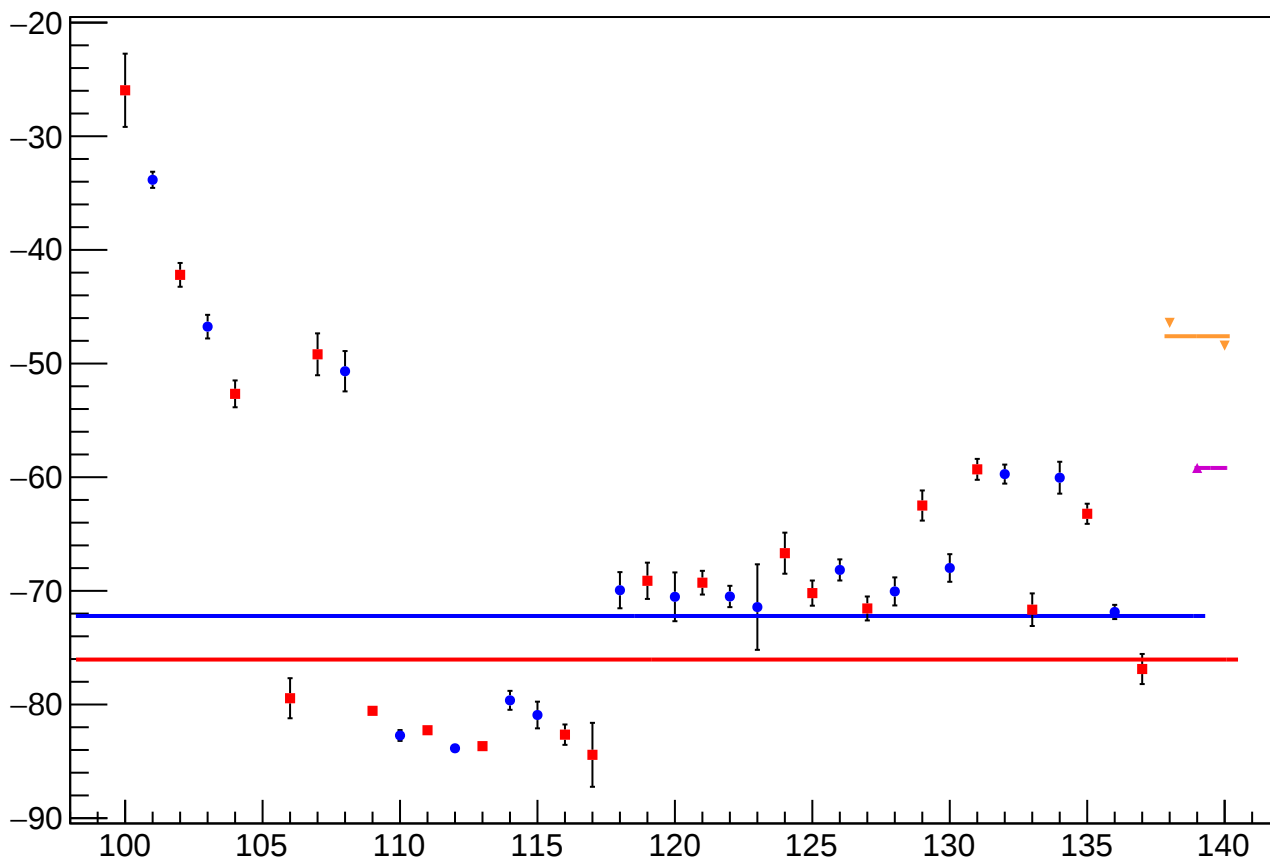
Right Out: 11.096 $\pm$ 0.116 χ^2 /NDF: 818.0/19

Left In: 24.930 $\pm$ 0.688 χ^2 /NDF: 0.0/0

11.974 $\pm$ 0.101 χ^2 /NDF: 1616.9/18

11.480 $\pm$ 0.115 χ^2 /NDF: 1211.6/20

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -47.596 ± 0.233 $\chi^2/\text{NDF}: 17.9/1$

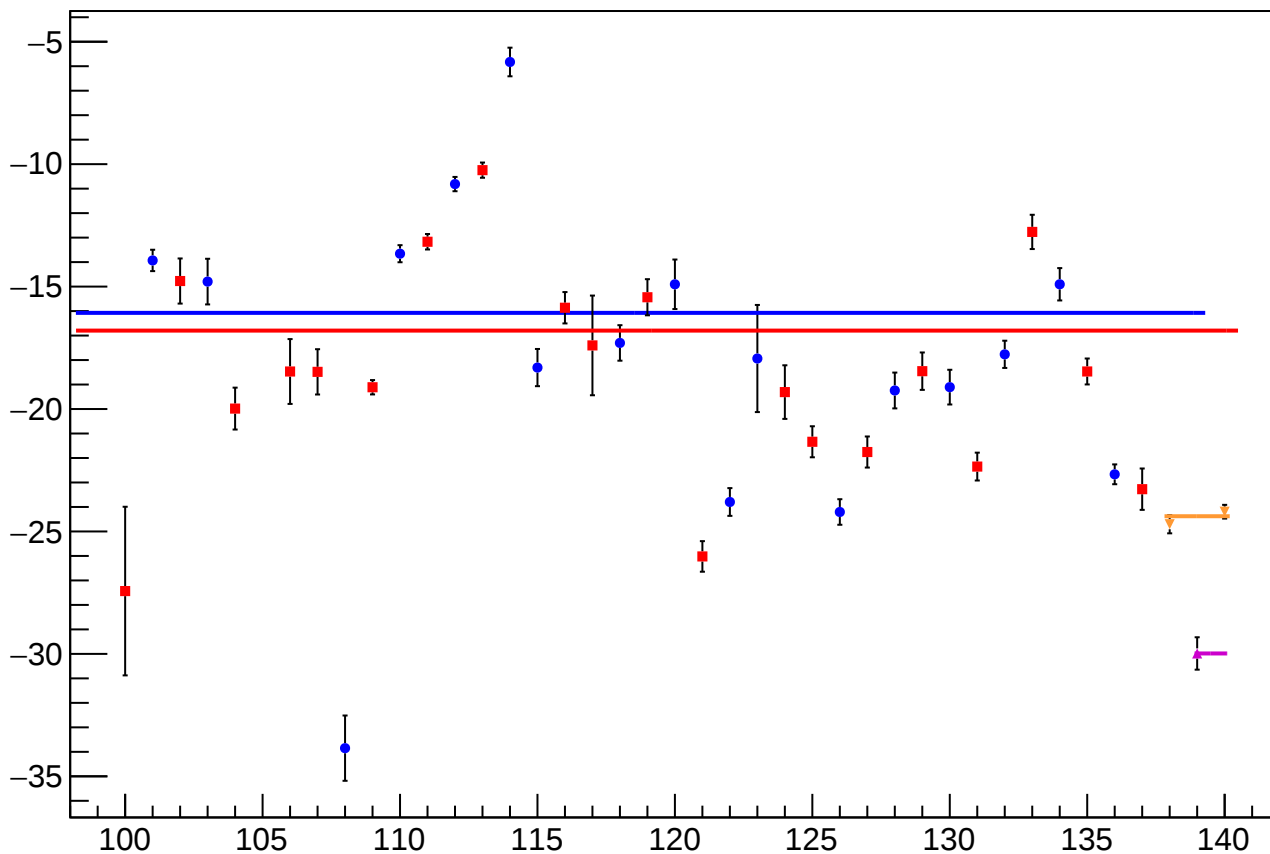
Right Out: -76.044 ± 0.181 $\chi^2/\text{NDF}: 3472.2/19$

Left In: -59.186 ± 0.416 $\chi^2/\text{NDF}: 0.0/0$

-61.883 ± 0.151 $\chi^2/\text{NDF}: 12069.2/18$

-73.367 ± 0.166 $\chi^2/\text{NDF}: 4855.7/20$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -24.378 ± 0.224 $\chi^2/\text{NDF}: 1.2/1$

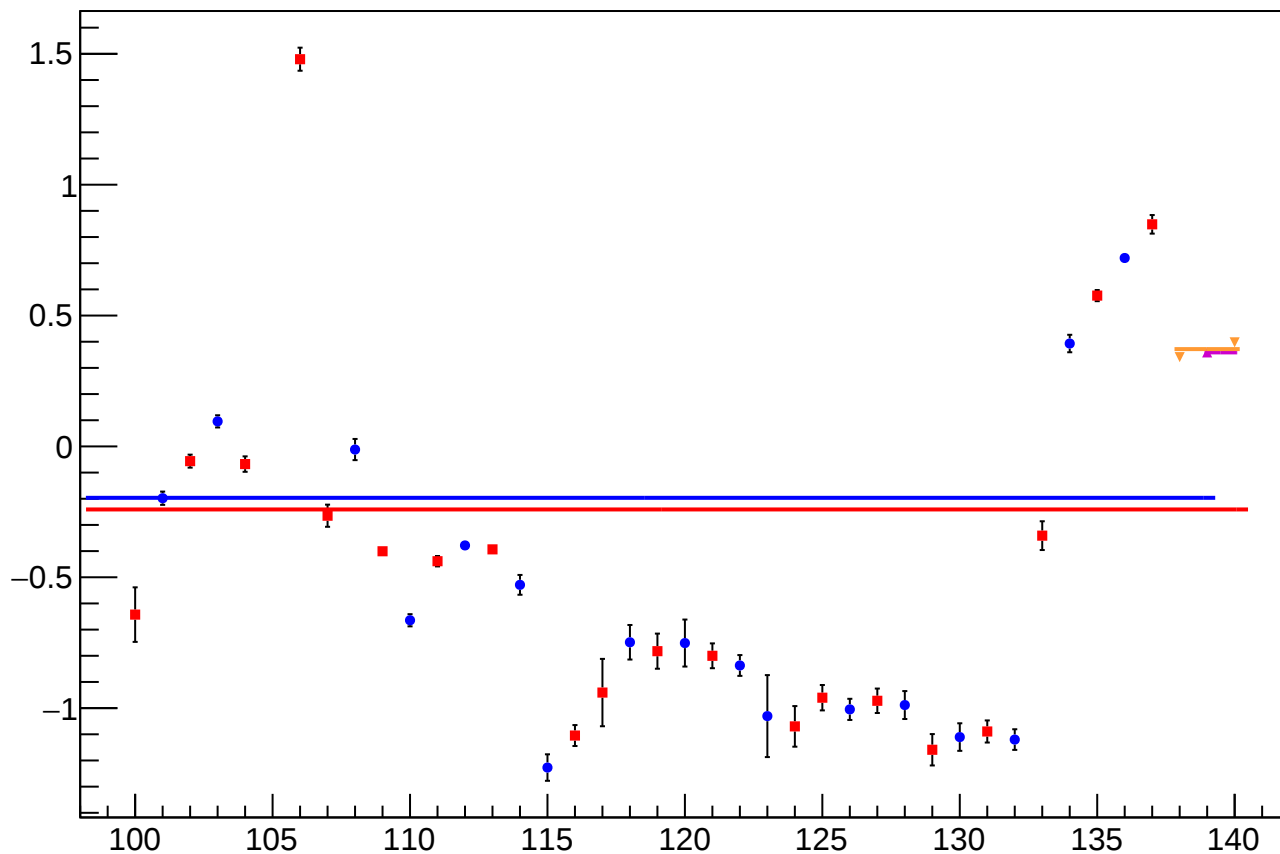
Right Out: -16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

Left In: -29.983 ± 0.662 $\chi^2/\text{NDF}: 0.0/0$

-18.229 ± 0.114 $\chi^2/\text{NDF}: 2661.4/18$

-17.272 ± 0.126 $\chi^2/\text{NDF}: 1599.0/20$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.372 ± 0.010 χ^2/NDF : 8.3/1

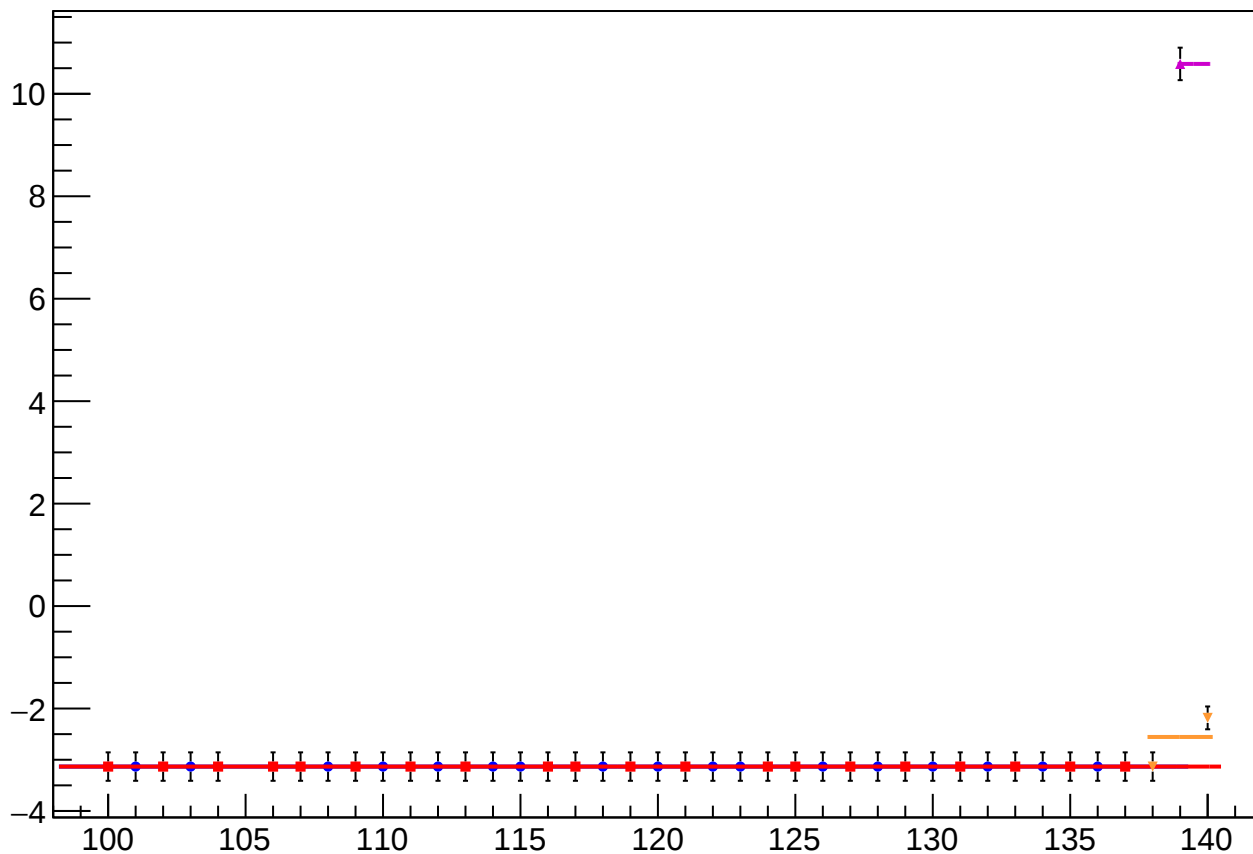
Right Out: -0.241 ± 0.007 χ^2/NDF : 6218.3/19

Left In: 0.359 ± 0.015 χ^2/NDF : 0.0/0

0.016 ± 0.006 χ^2/NDF : 8453.5/18

-0.124 ± 0.006 χ^2/NDF : 7581.8/20

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: -3.133+/-0.067 χ^2/NDF : 0.0/16

Left Out: -2.555+/-0.174 χ^2/NDF : 7.1/1

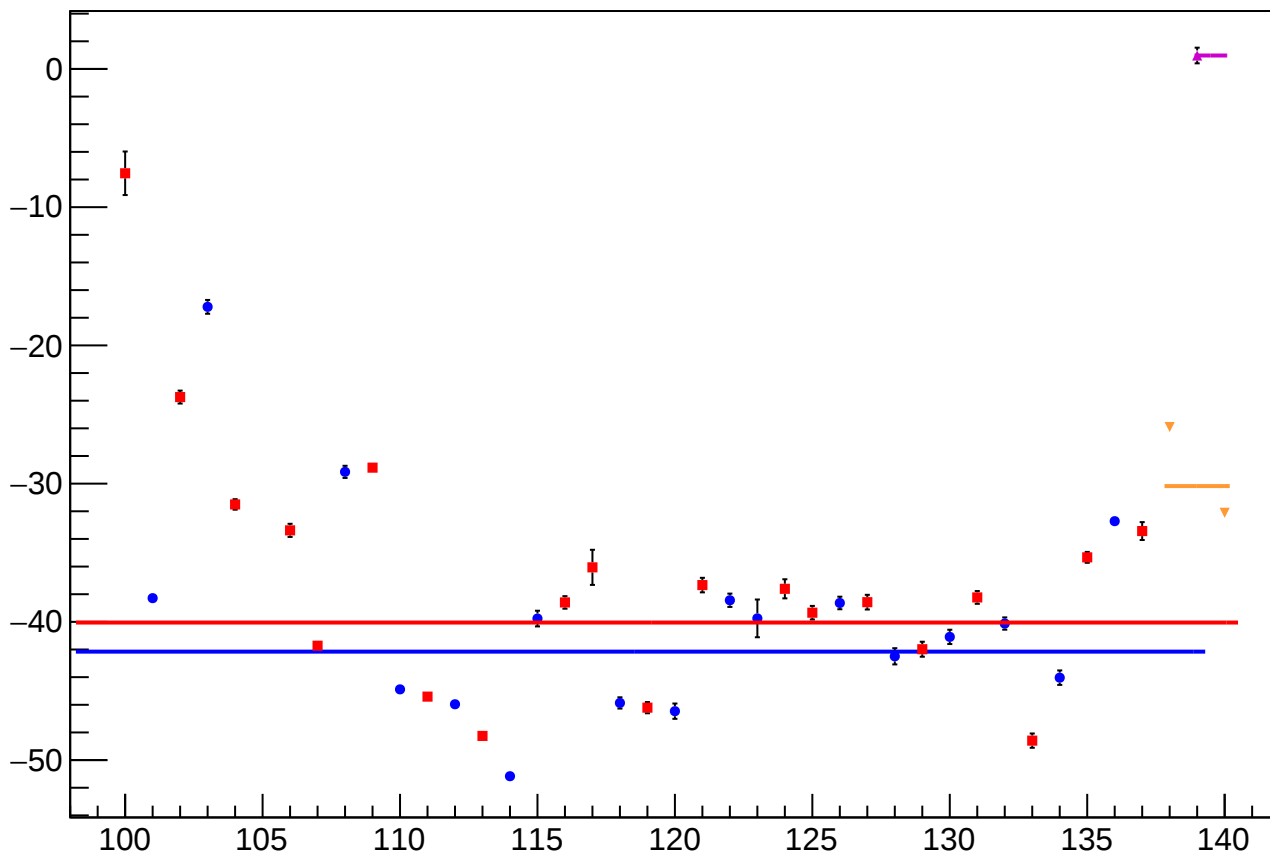
Right Out: -3.133+/-0.062 χ^2/NDF : 0.0/19

Left In: 10.584+/-0.317 χ^2/NDF : 0.0/0

-3.058+/-0.063 χ^2/NDF : 16.8/18

-2.627+/-0.061 χ^2/NDF : 1801.9/20

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -30.178 ± 0.150 $\chi^2/\text{NDF}: 365.5/1$

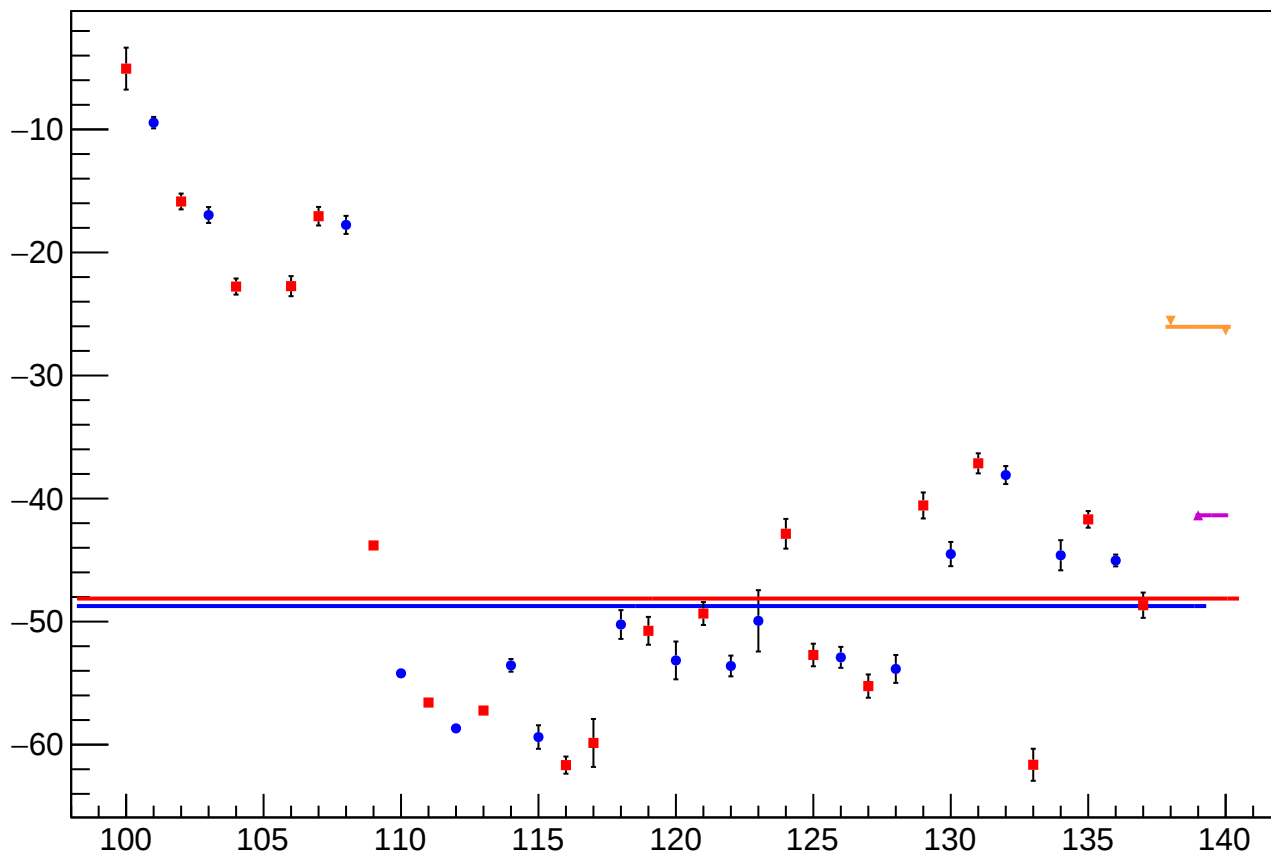
Right Out: -40.049 ± 0.073 $\chi^2/\text{NDF}: 11332.1/19$

Left In: 0.972 ± 0.567 $\chi^2/\text{NDF}: 0.0/0$

-39.609 ± 0.069 $\chi^2/\text{NDF}: 11928.5/18$

-39.386 ± 0.072 $\chi^2/\text{NDF}: 16485.0/20$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -26.041 ± 0.186 $\chi^2/\text{NDF}: 4.3/1$

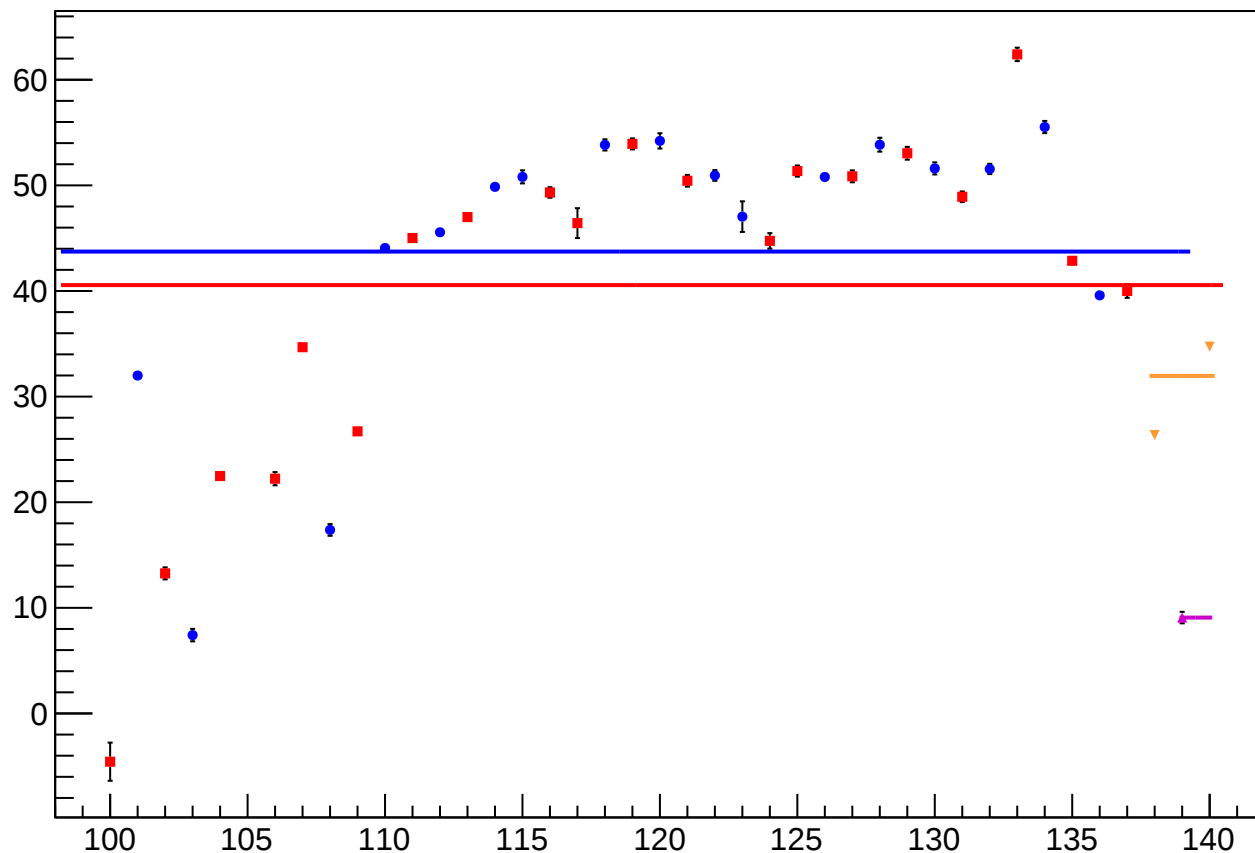
Right Out: -48.127 ± 0.107 $\chi^2/\text{NDF}: 11769.6/19$

Left In: -41.359 ± 0.344 $\chi^2/\text{NDF}: 0.0/0$

-41.722 ± 0.104 $\chi^2/\text{NDF}: 24924.1/18$

-47.529 ± 0.102 $\chi^2/\text{NDF}: 12122.8/20$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731+/-0.087 χ^2 /NDF: 10567.7/16

Left Out: 31.962+/-0.179 χ^2 /NDF: 484.9/1

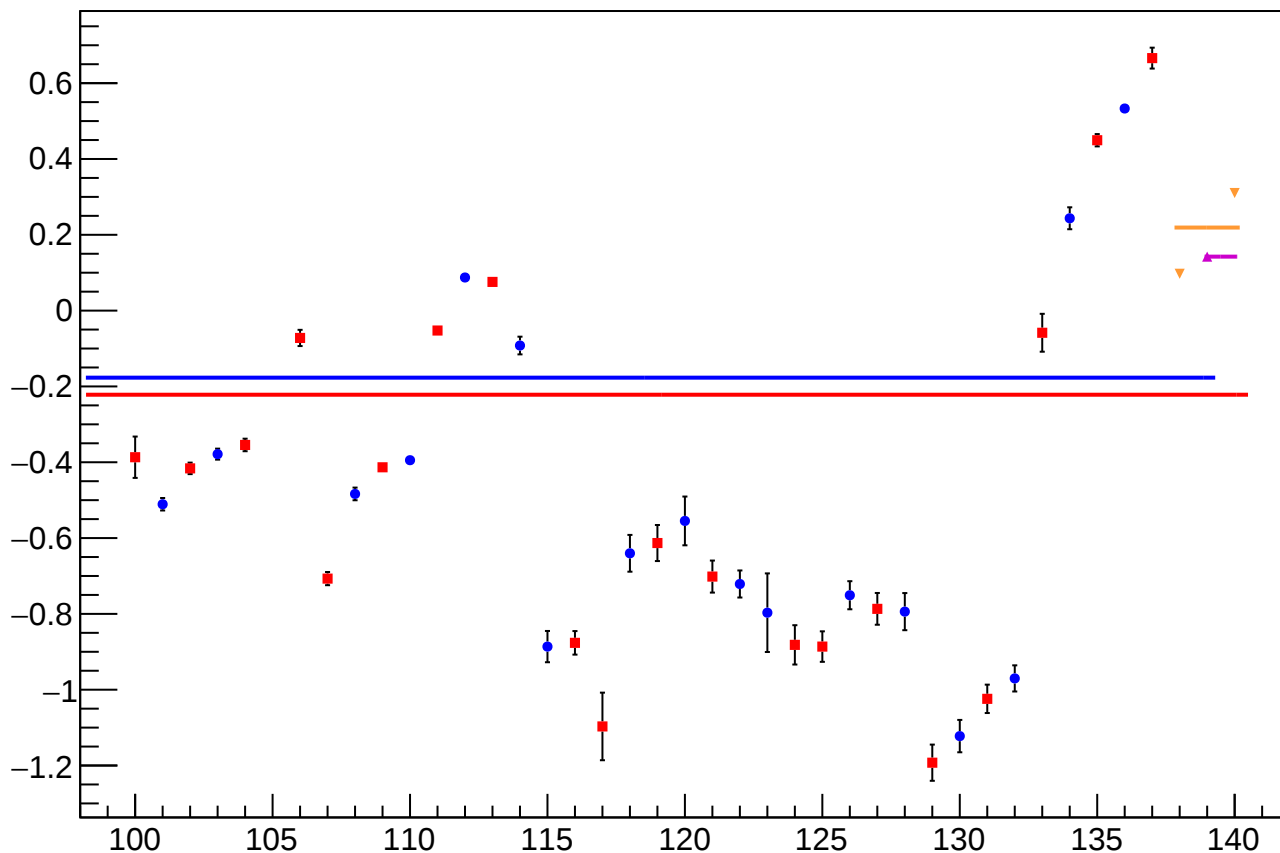
Right Out: 40.556+/-0.080 χ^2 /NDF: 17618.6/19

Left In: 9.077+/-0.545 χ^2 /NDF: 0.0/0

41.485+/-0.078 χ^2 /NDF: 14557.3/18

39.892+/-0.079 χ^2 /NDF: 20881.3/20

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.219 ± 0.008 χ^2/NDF : 181.9/1

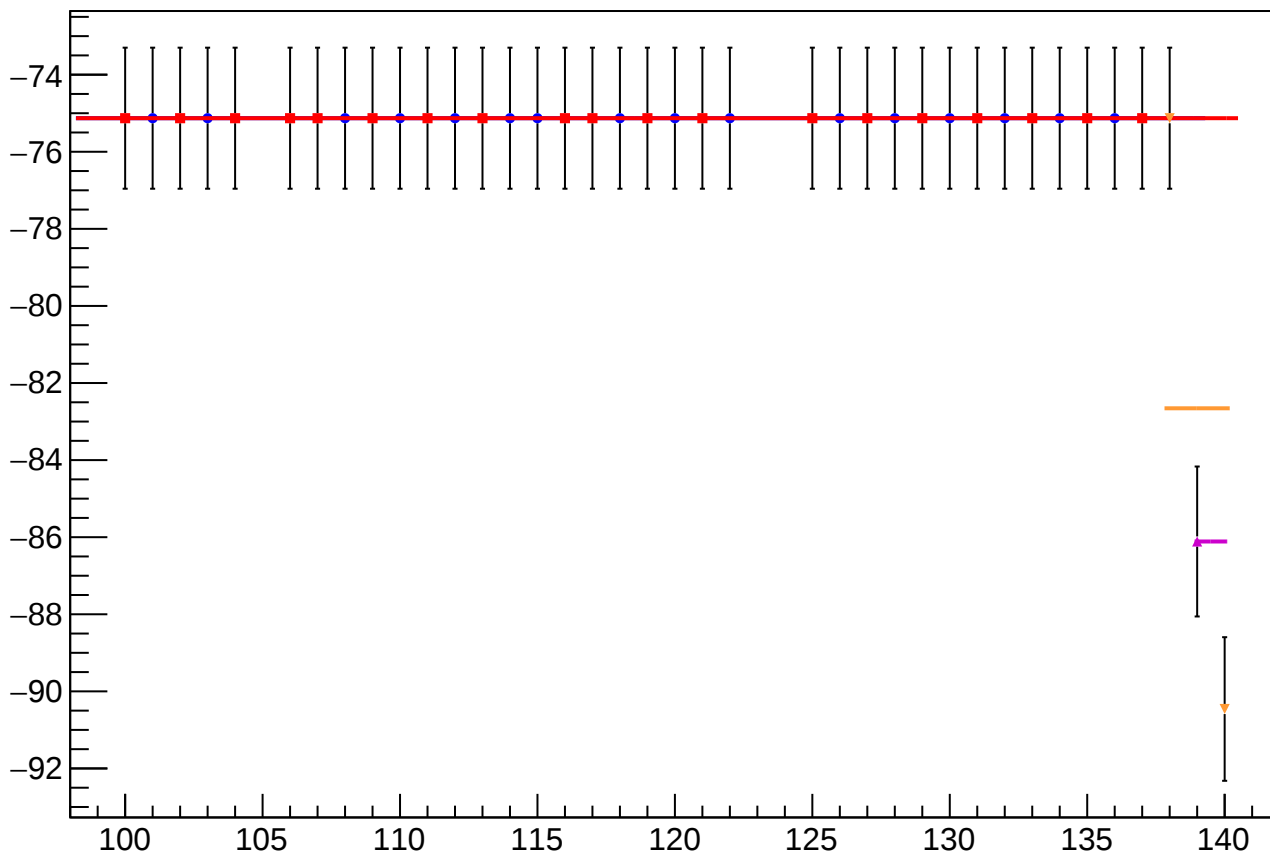
Right Out: -0.222 ± 0.004 χ^2/NDF : 7527.0/19

Left In: 0.142 ± 0.012 χ^2/NDF : 0.0/0

-0.067 ± 0.004 χ^2/NDF : 9402.8/18

-0.181 ± 0.004 χ^2/NDF : 8342.0/20

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -75.129 $\pm$ 0.457 χ^2 /NDF: 0.0/15

Left Out: -82.656 $\pm$ 1.305 χ^2 /NDF: 34.5/1

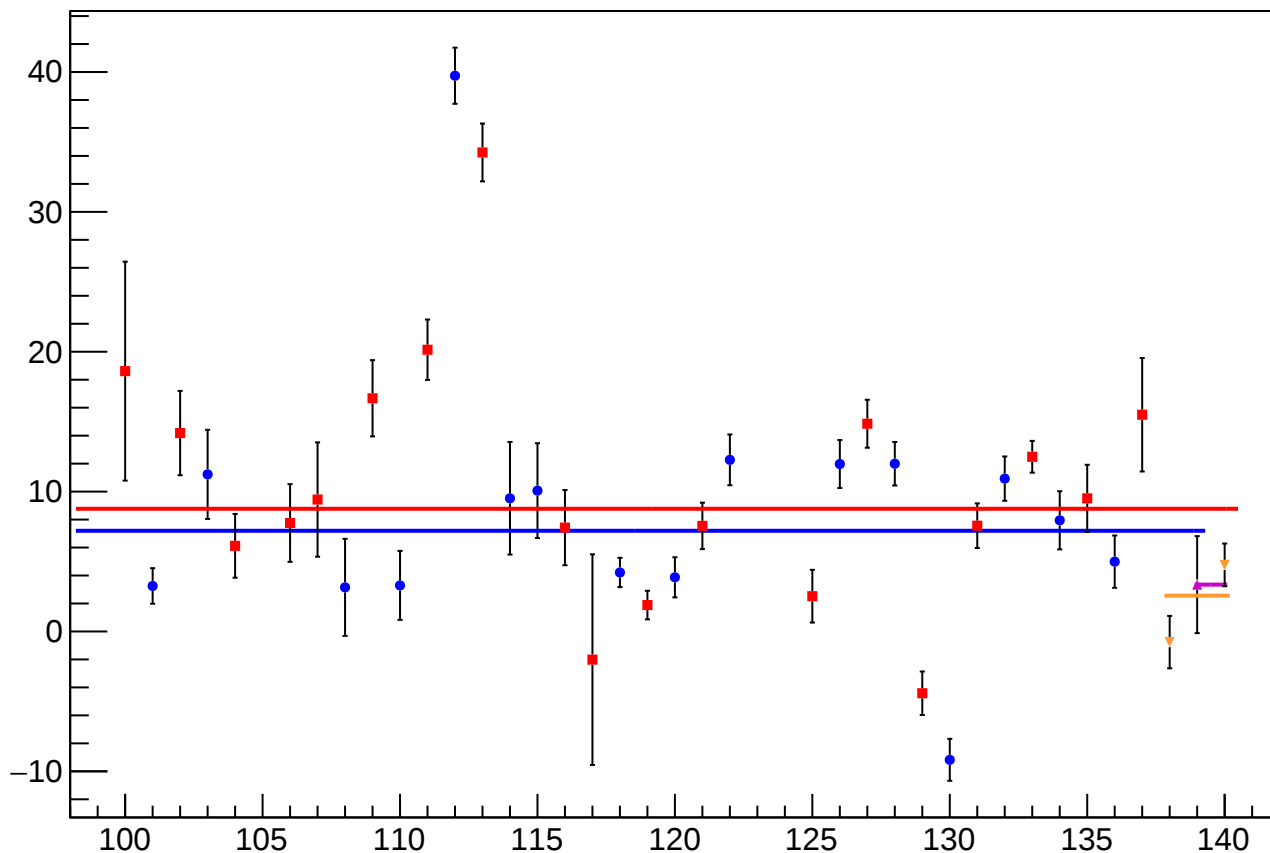
Right Out: -75.129 $\pm$ 0.420 χ^2 /NDF: 0.0/18

Left In: -86.112 $\pm$ 1.945 χ^2 /NDF: 0.0/0

-75.952 $\pm$ 0.432 χ^2 /NDF: 64.1/17

-75.618 $\pm$ 0.410 χ^2 /NDF: 30.5/19

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.561 ± 1.183 χ^2/NDF : 5.2/1

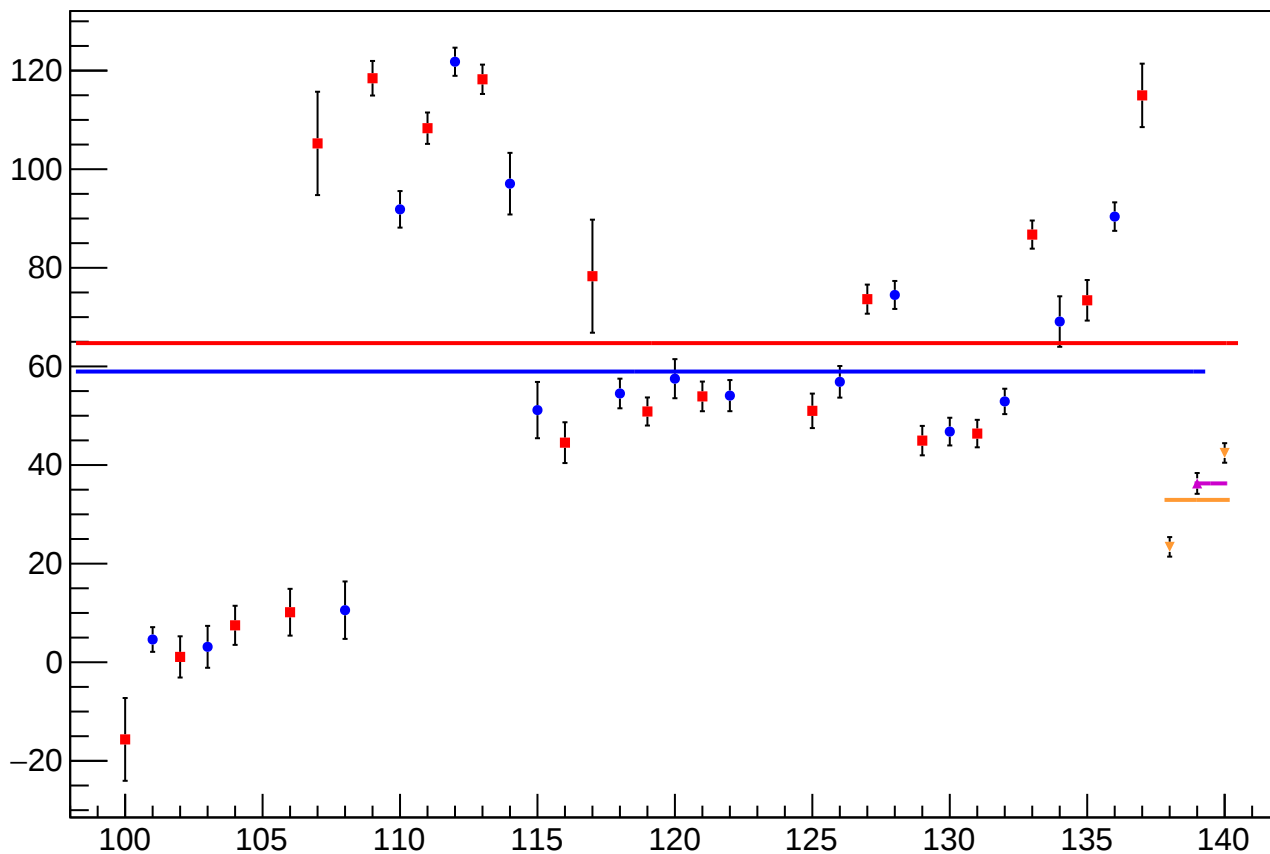
Right Out: 8.772 ± 0.447 χ^2/NDF : 351.7/18

Left In: 3.349 ± 3.468 χ^2/NDF : 0.0/0

6.637 ± 0.412 χ^2/NDF : 462.5/17

8.684 ± 0.443 χ^2/NDF : 354.1/19

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 32.930 $\pm$ 1.403 χ^2 /NDF:46.1/1

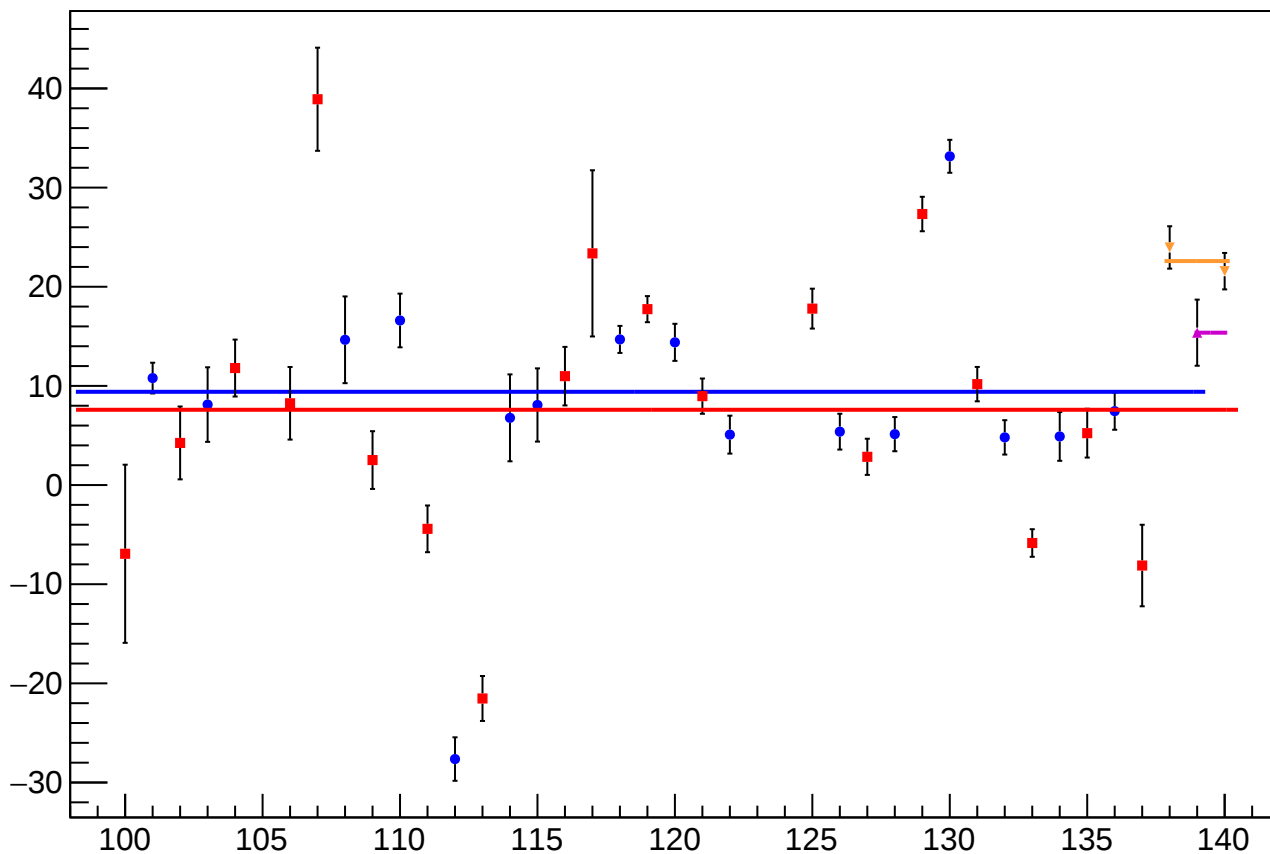
Right Out: 64.728 $\pm$ 0.838 χ^2 /NDF: 1723.2/18

Left In: 36.273 $\pm$ 2.110 χ^2 /NDF:0.0/0

52.128 $\pm$ 0.719 χ^2 /NDF: 1796.5/17

60.853 $\pm$ 0.779 χ^2 /NDF: 1880.4/19

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 22.590 ± 1.394 χ^2/NDF : 0.7/1

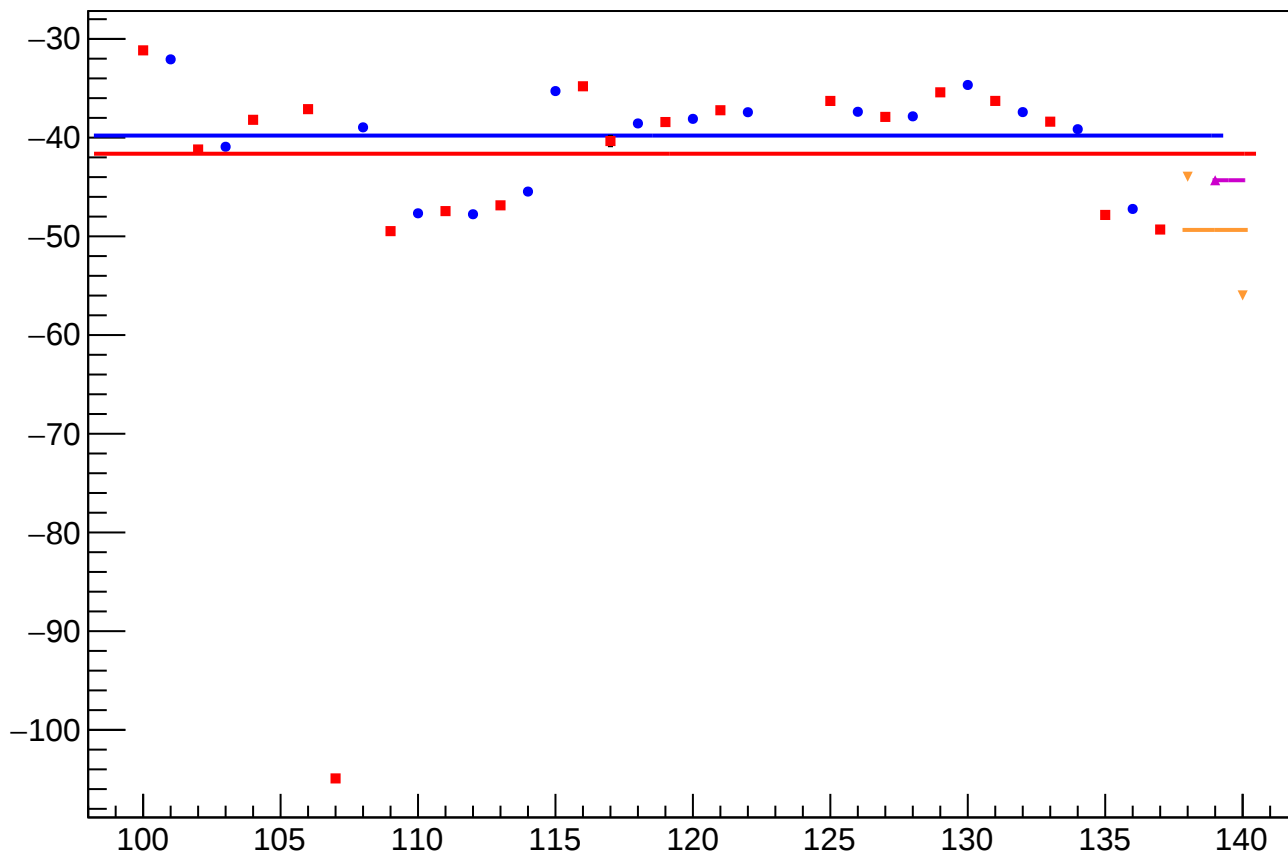
Right Out: 7.593 ± 0.514 χ^2/NDF : 573.4/18

Left In: 15.367 ± 3.335 χ^2/NDF : 0.0/0

10.944 ± 0.476 χ^2/NDF : 629.2/17

7.773 ± 0.508 χ^2/NDF : 578.7/19

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 $\chi^2/\text{NDF}: 26138.6/15$

Left Out: -49.350 ± 0.058 $\chi^2/\text{NDF}: 10634.7/1$

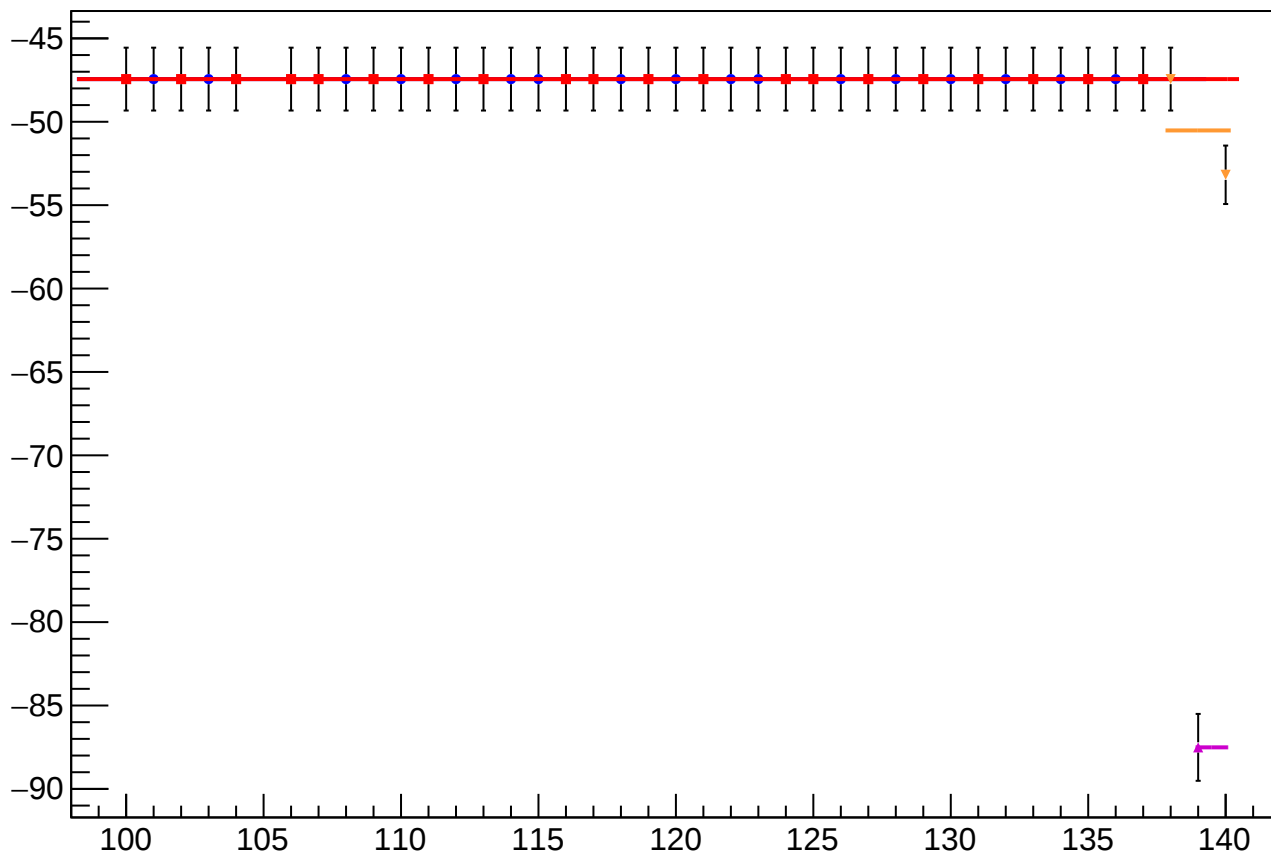
Right Out: -41.631 ± 0.031 $\chi^2/\text{NDF}: 94399.1/18$

Left In: -44.316 ± 0.074 $\chi^2/\text{NDF}: 0.0/0$

-41.940 ± 0.027 $\chi^2/\text{NDF}: 57836.6/17$

-42.039 ± 0.029 $\chi^2/\text{NDF}: 95527.9/19$

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -47.442 ± 0.457 χ^2/NDF : 0.0/16

Left Out: -50.520 ± 1.283 χ^2/NDF : 5.0/1

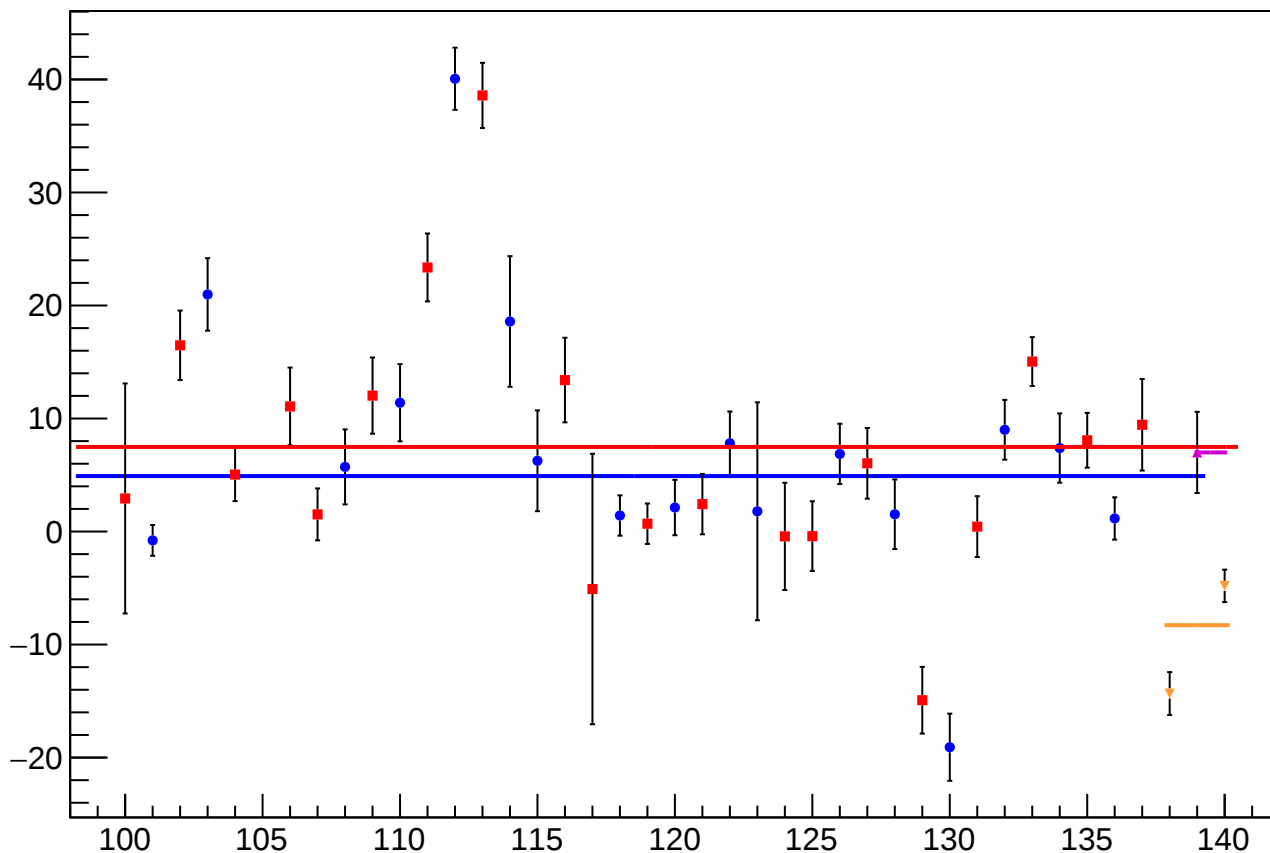
Right Out: -47.442 ± 0.421 χ^2/NDF : 0.0/19

Left In: -87.509 ± 2.005 χ^2/NDF : 0.0/0

-47.788 ± 0.431 χ^2/NDF : 10.1/18

-49.137 ± 0.412 χ^2/NDF : 382.4/20

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: -8.284 ± 1.145 χ^2/NDF : 16.0/1

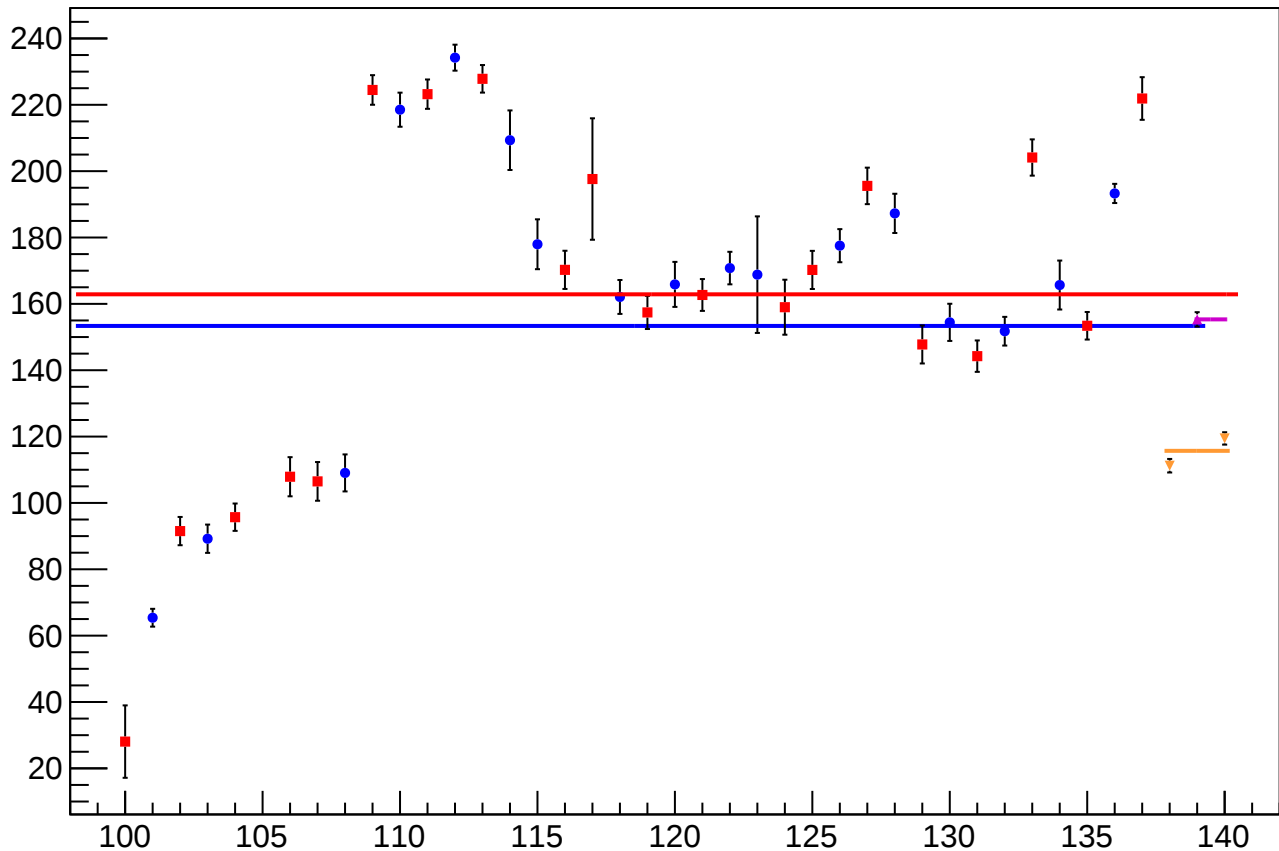
Right Out: 7.486 ± 0.650 χ^2/NDF : 271.7/19

Left In: 7.000 ± 3.590 χ^2/NDF : 0.0/0

1.859 ± 0.551 χ^2/NDF : 413.4/18

7.471 ± 0.639 χ^2/NDF : 271.7/20

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 115.701+/-1.378 χ^2/NDF : 8.8/1

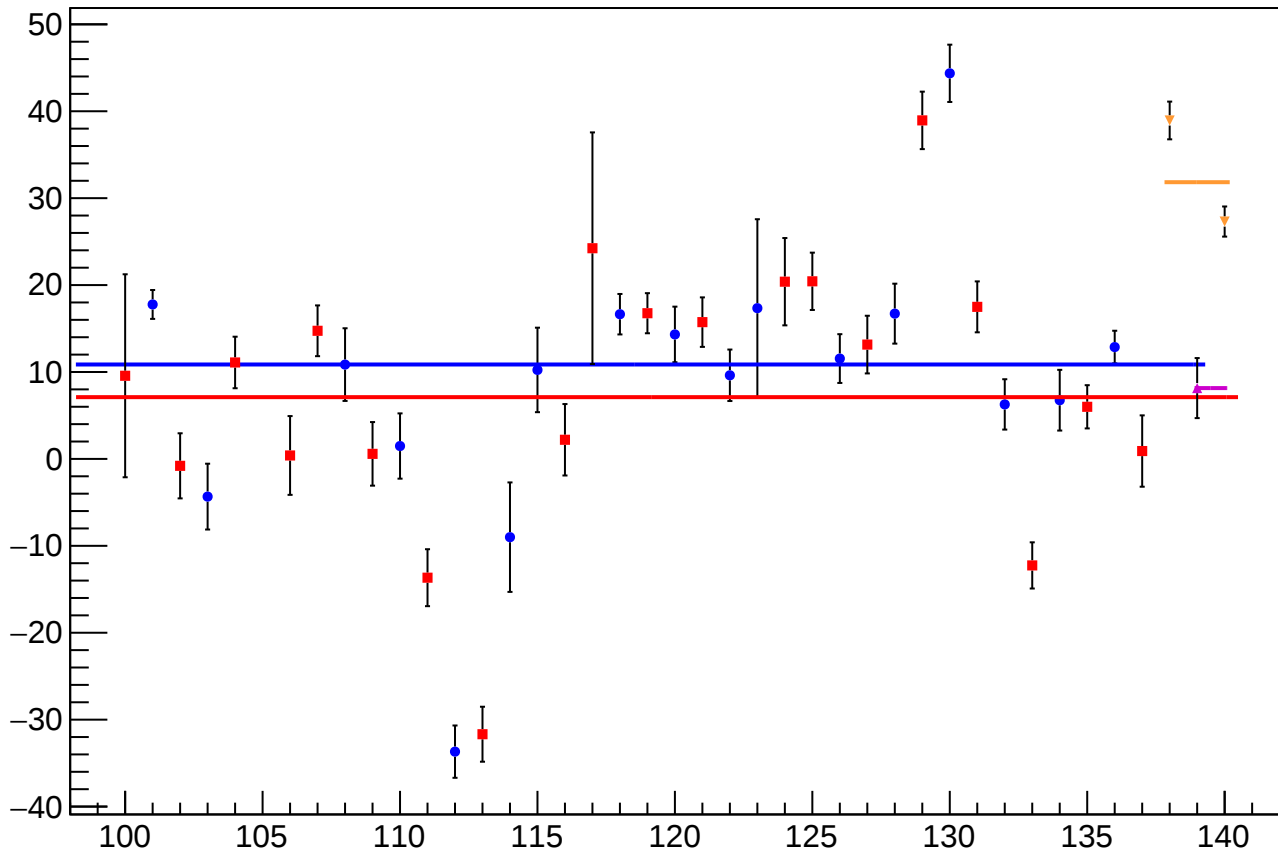
Right Out: 162.878+/-1.174 χ^2/NDF : 1712.4/19

Left In: 155.324+/-2.173 χ^2/NDF : 0.0/0

137.888+/-0.883 χ^2/NDF : 2717.1/18

161.170+/-1.033 χ^2/NDF : 1721.8/20

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 ± 0.719 $\chi^2/\text{NDF}: 387.9/16$

Left Out: 31.838 ± 1.355 $\chi^2/\text{NDF}: 17.5/1$

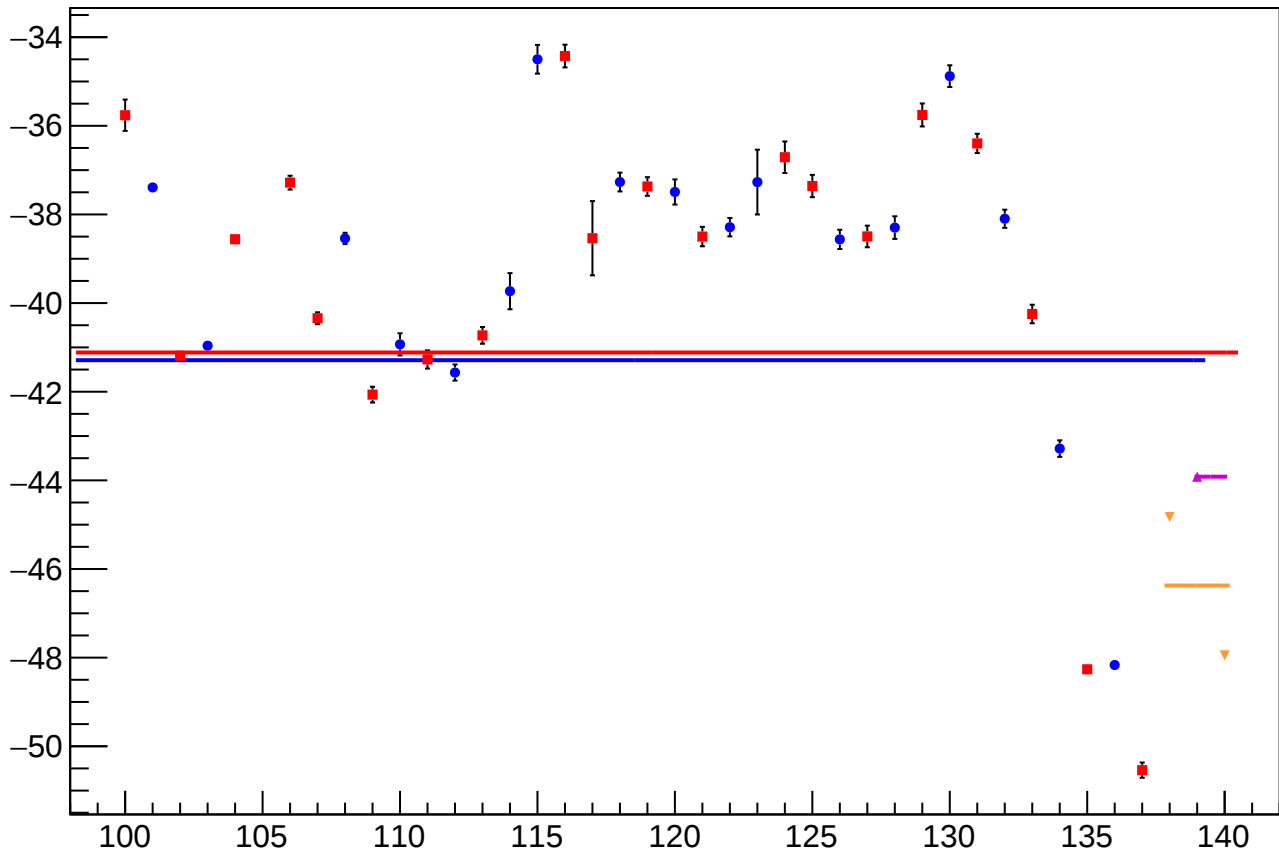
Right Out: 7.106 ± 0.746 $\chi^2/\text{NDF}: 426.4/19$

Left In: 8.149 ± 3.455 $\chi^2/\text{NDF}: 0.0/0$

15.479 ± 0.635 $\chi^2/\text{NDF}: 592.5/18$

7.152 ± 0.730 $\chi^2/\text{NDF}: 426.4/20$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -46.373 ± 0.057 $\chi^2/\text{NDF}: 739.9/1$

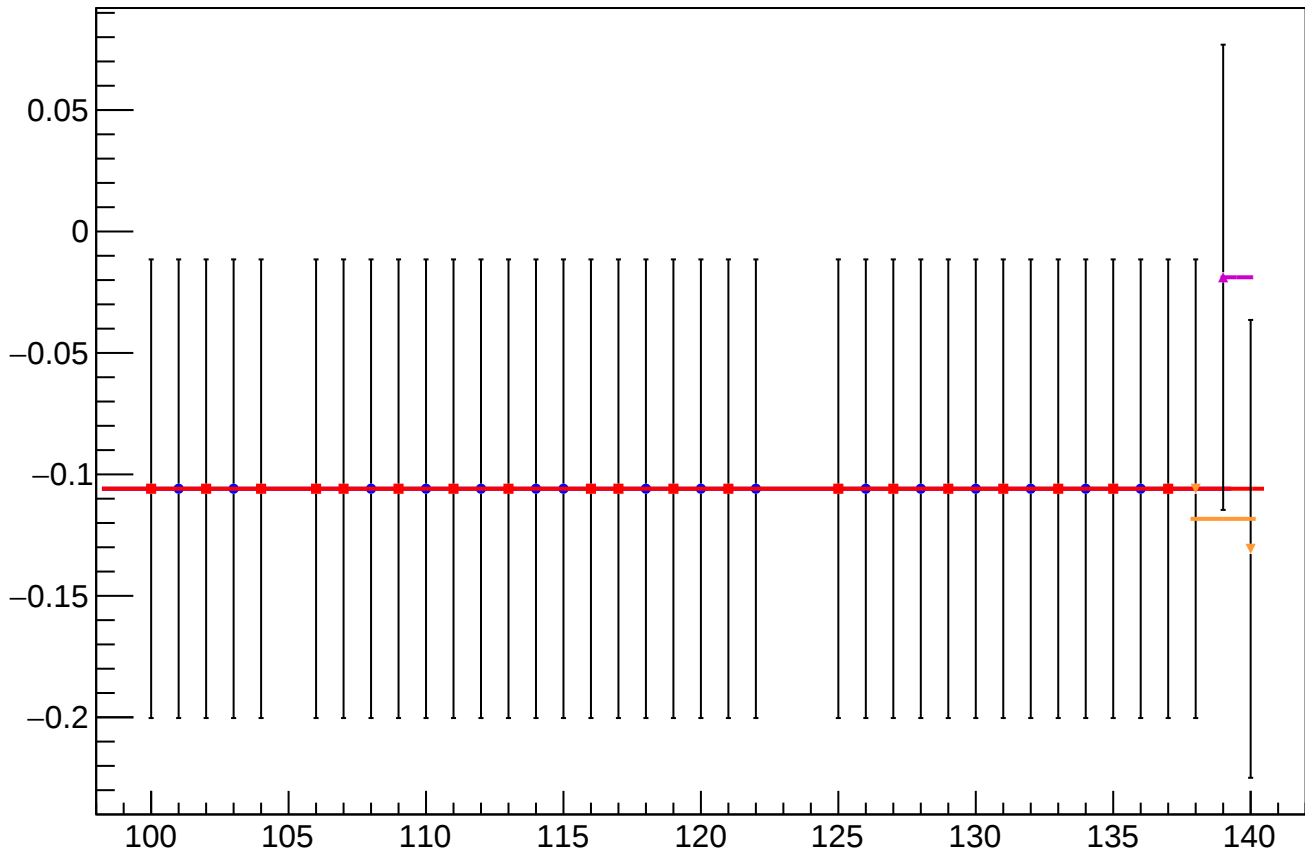
Right Out: -41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

Left In: -43.917 ± 0.076 $\chi^2/\text{NDF}: 0.0/0$

-42.874 ± 0.032 $\chi^2/\text{NDF}: 18656.8/18$

-41.687 ± 0.034 $\chi^2/\text{NDF}: 13194.2/20$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: -0.106 ± 0.024 χ^2/NDF : 0.0/15

Left Out: -0.118 ± 0.067 χ^2/NDF : 0.0/1

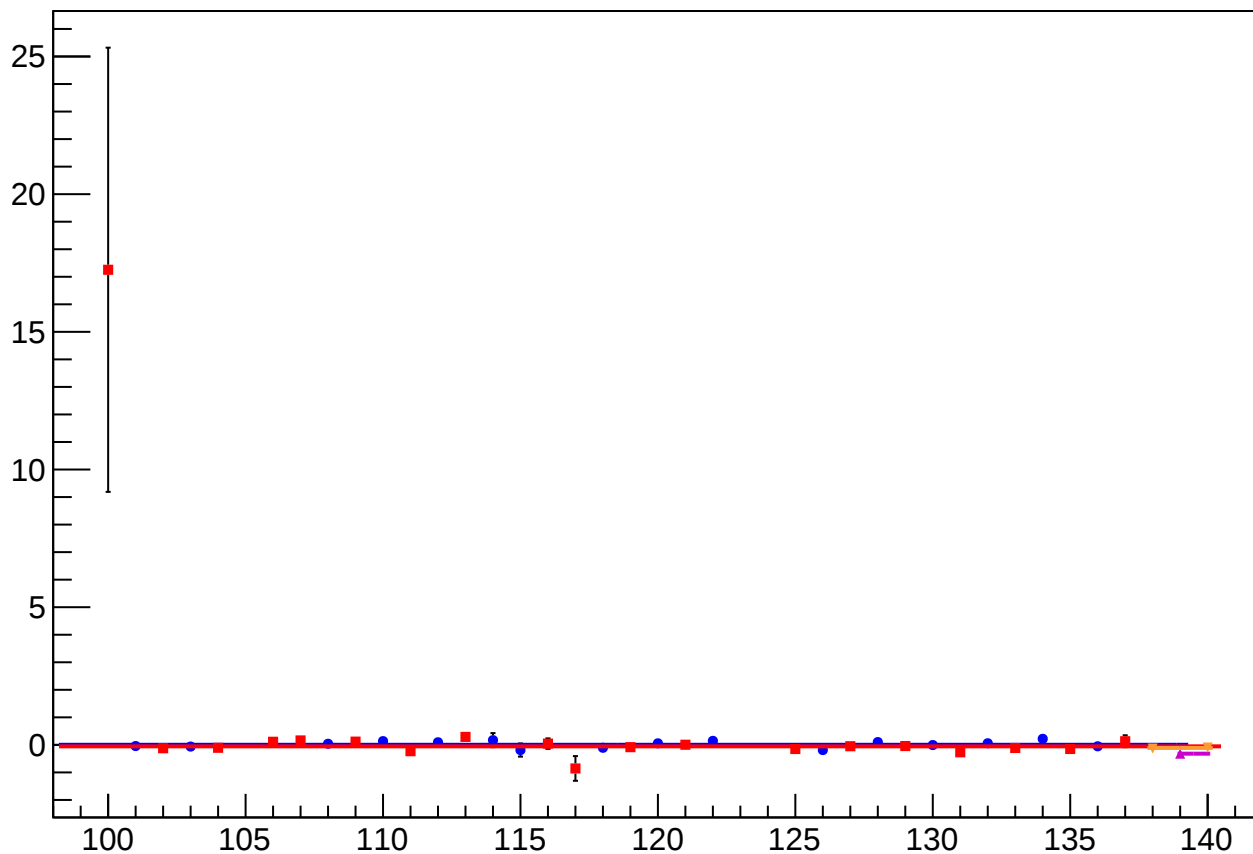
Right Out: -0.106 ± 0.022 χ^2/NDF : 0.0/18

Left In: -0.019 ± 0.096 χ^2/NDF : 0.0/0

-0.107 ± 0.022 χ^2/NDF : 0.1/17

-0.102 ± 0.021 χ^2/NDF : 0.8/19

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003+/-0.029 χ^2 /NDF: 12.4/15

Left Out: -0.111+/-0.062 χ^2 /NDF: 0.1/1

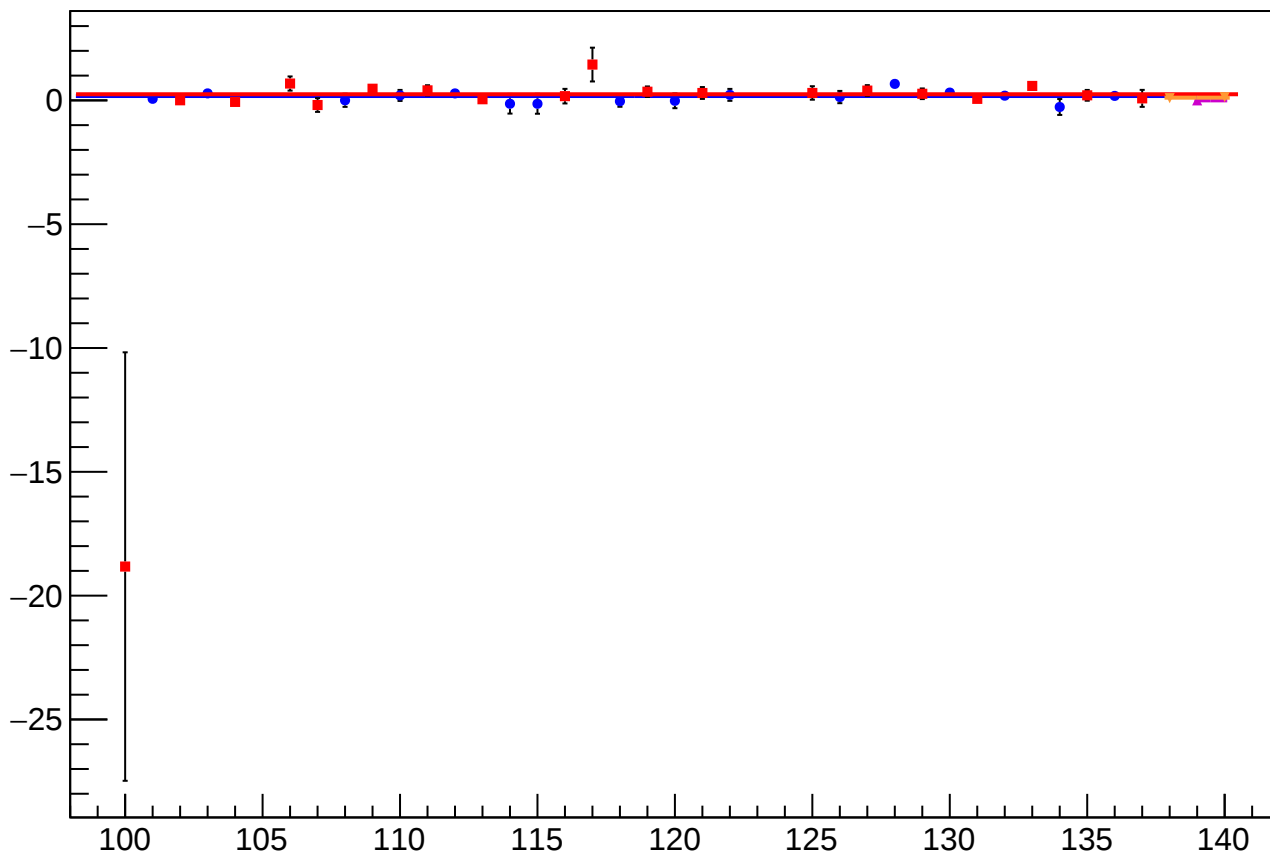
Right Out: -0.053+/-0.029 χ^2 /NDF: 28.8/18

Left In: -0.319+/-0.172 χ^2 /NDF: 0.0/0

-0.017+/-0.026 χ^2 /NDF: 15.4/17

-0.061+/-0.029 χ^2 /NDF: 31.1/19

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.109+/-0.072 χ^2/NDF : 0.1/1

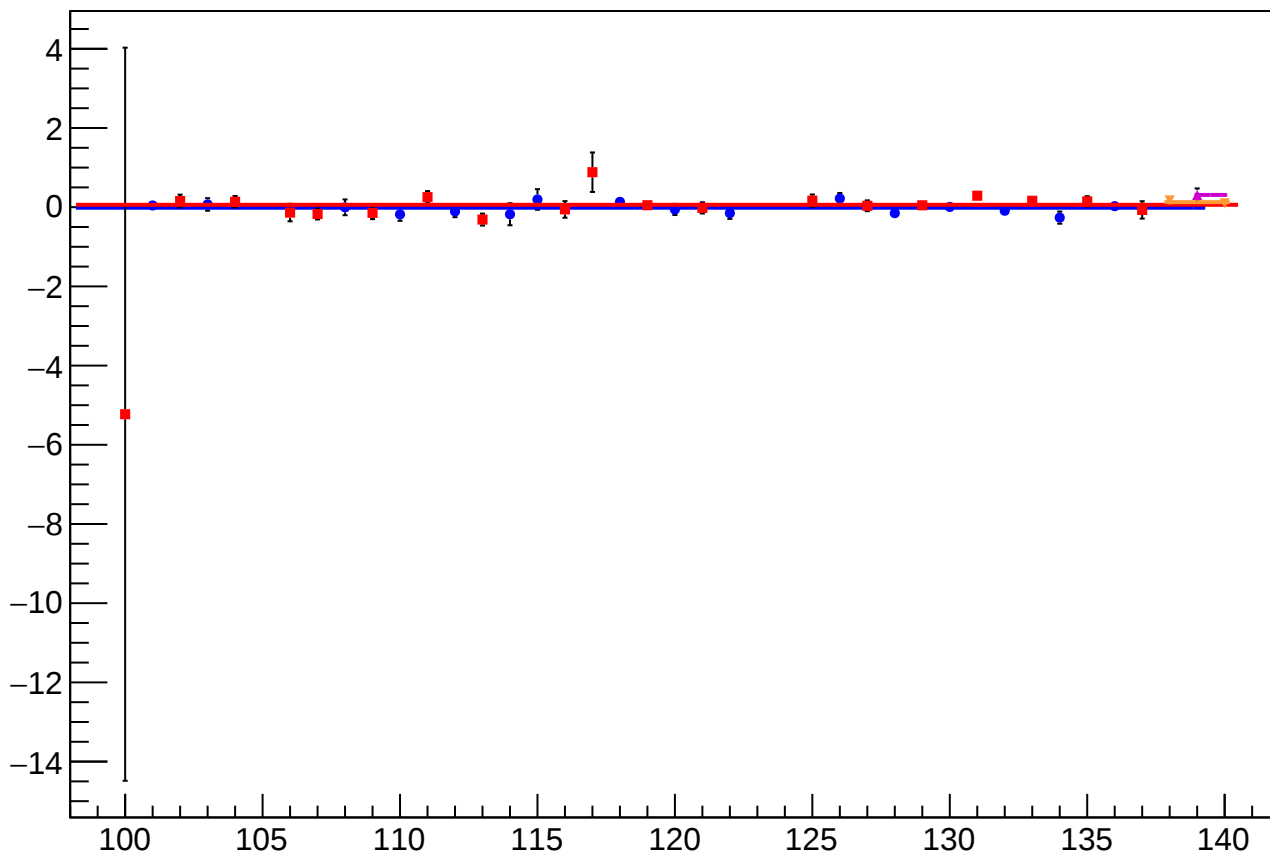
Right Out: 0.247+/-0.054 χ^2/NDF : 24.7/18

Left In: 0.001+/-0.104 χ^2/NDF : 0.0/0

0.153+/-0.042 χ^2/NDF : 13.6/17

0.195+/-0.048 χ^2/NDF : 29.2/19

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.127 ± 0.072 χ^2/NDF : 0.2/1

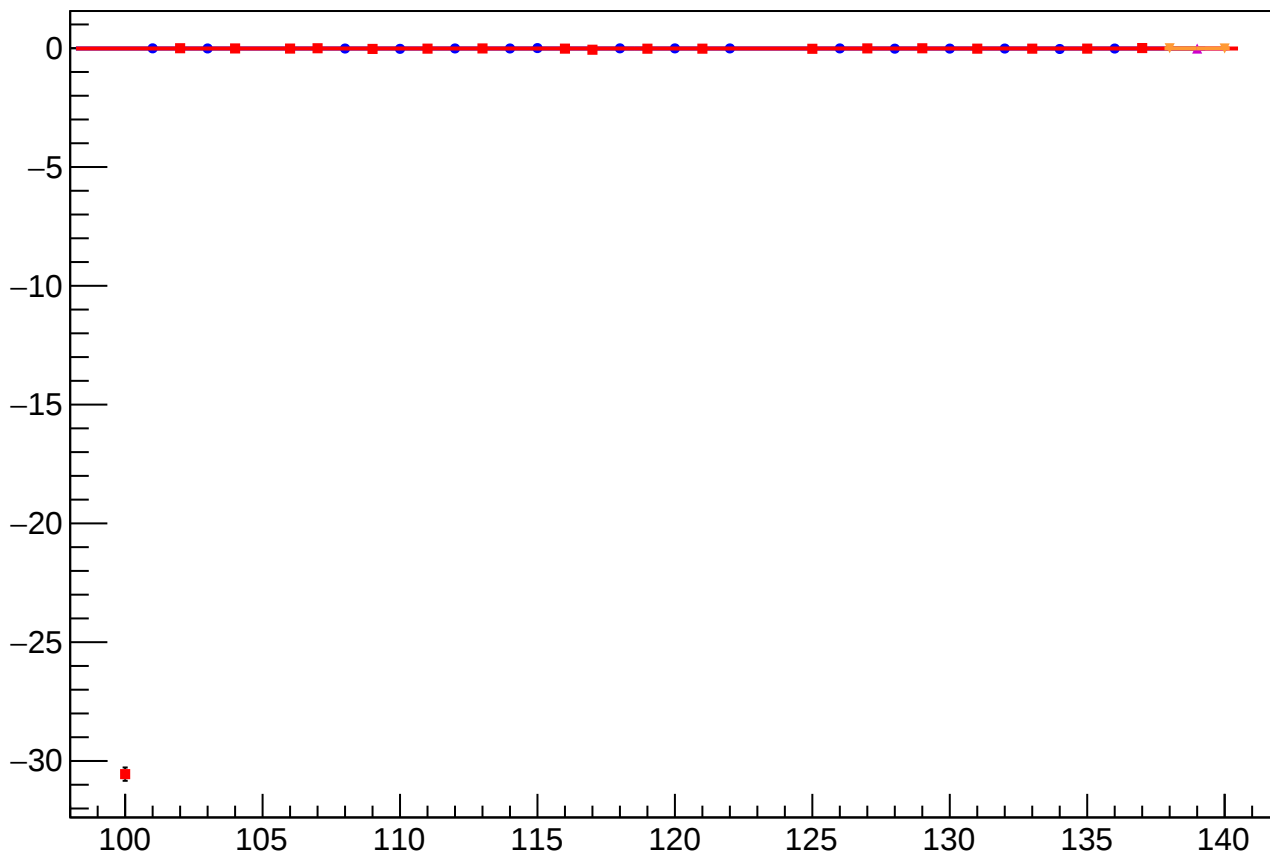
Right Out: 0.061 ± 0.034 χ^2/NDF : 23.1/18

Left In: 0.310 ± 0.165 χ^2/NDF : 0.0/0

0.011 ± 0.030 χ^2/NDF : 17.0/17

0.071 ± 0.033 χ^2/NDF : 25.3/19

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

-0.010 $\pm$ 0.002 χ^2 /NDF: 18.3/17

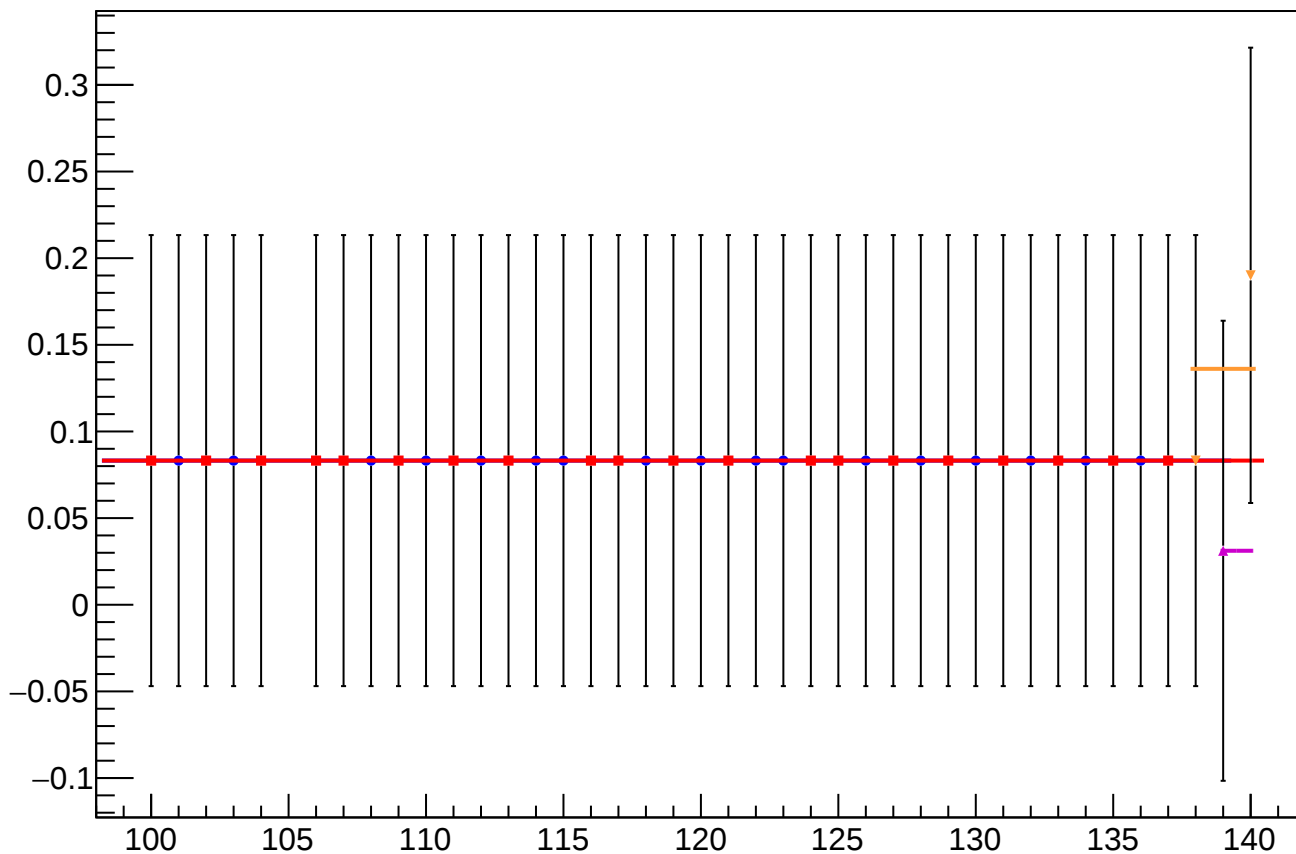
Left Out: -0.005 $\pm$ 0.003 χ^2 /NDF: 2.1/1

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11894.0/18

-0.013 $\pm$ 0.002 χ^2 /NDF: 11894.4/19

Left In: -0.015 $\pm$ 0.004 χ^2 /NDF: 0.0/0

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.083 $\pm$ 0.032 χ^2 /NDF: 0.0/16

Left Out: 0.136 $\pm$ 0.092 χ^2 /NDF: 0.3/1

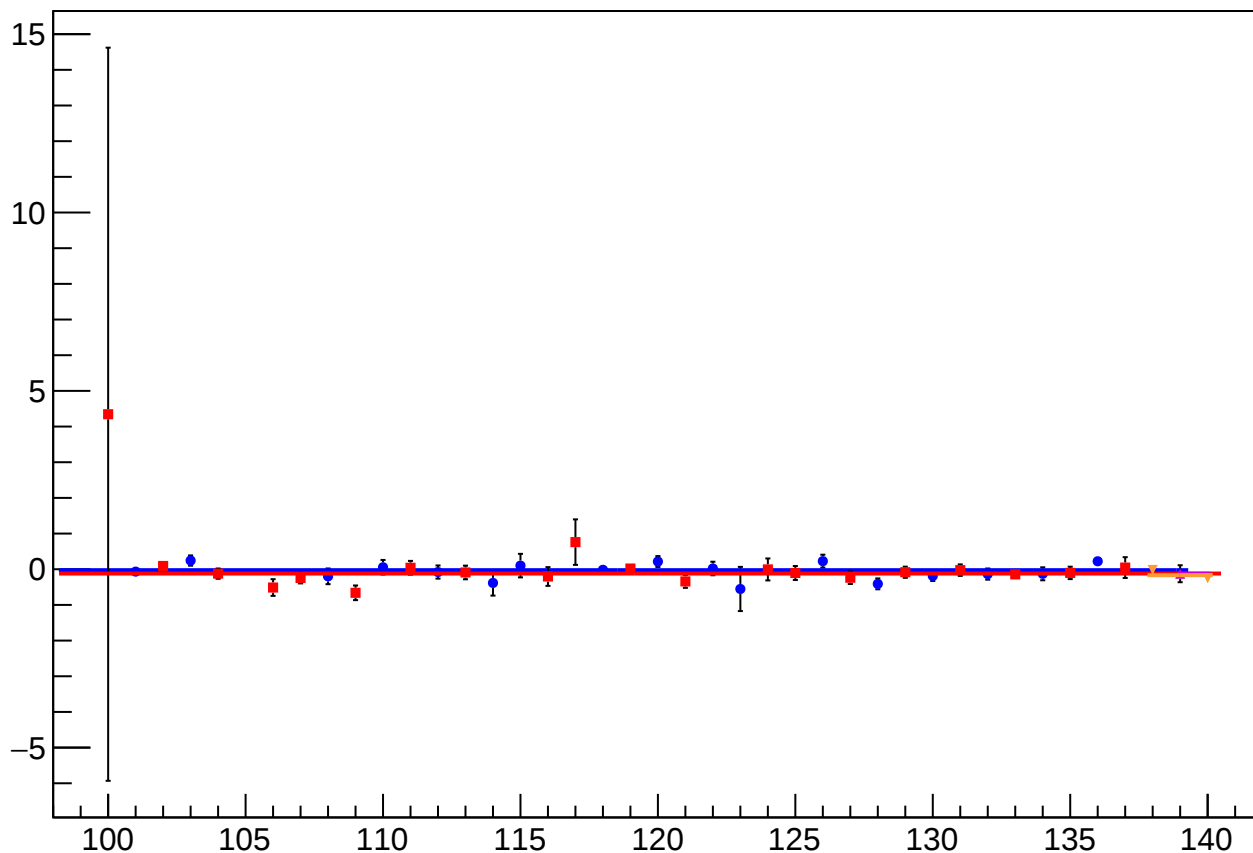
Right Out: 0.083 $\pm$ 0.029 χ^2 /NDF: 0.0/19

Left In: 0.031 $\pm$ 0.133 χ^2 /NDF: 0.0/0

0.089 $\pm$ 0.030 χ^2 /NDF: 0.6/18

0.081 $\pm$ 0.028 χ^2 /NDF: 0.1/20

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026+/-0.037 χ^2 /NDF: 22.7/16

Left Out: -0.166+/-0.086 χ^2 /NDF: 1.7/1

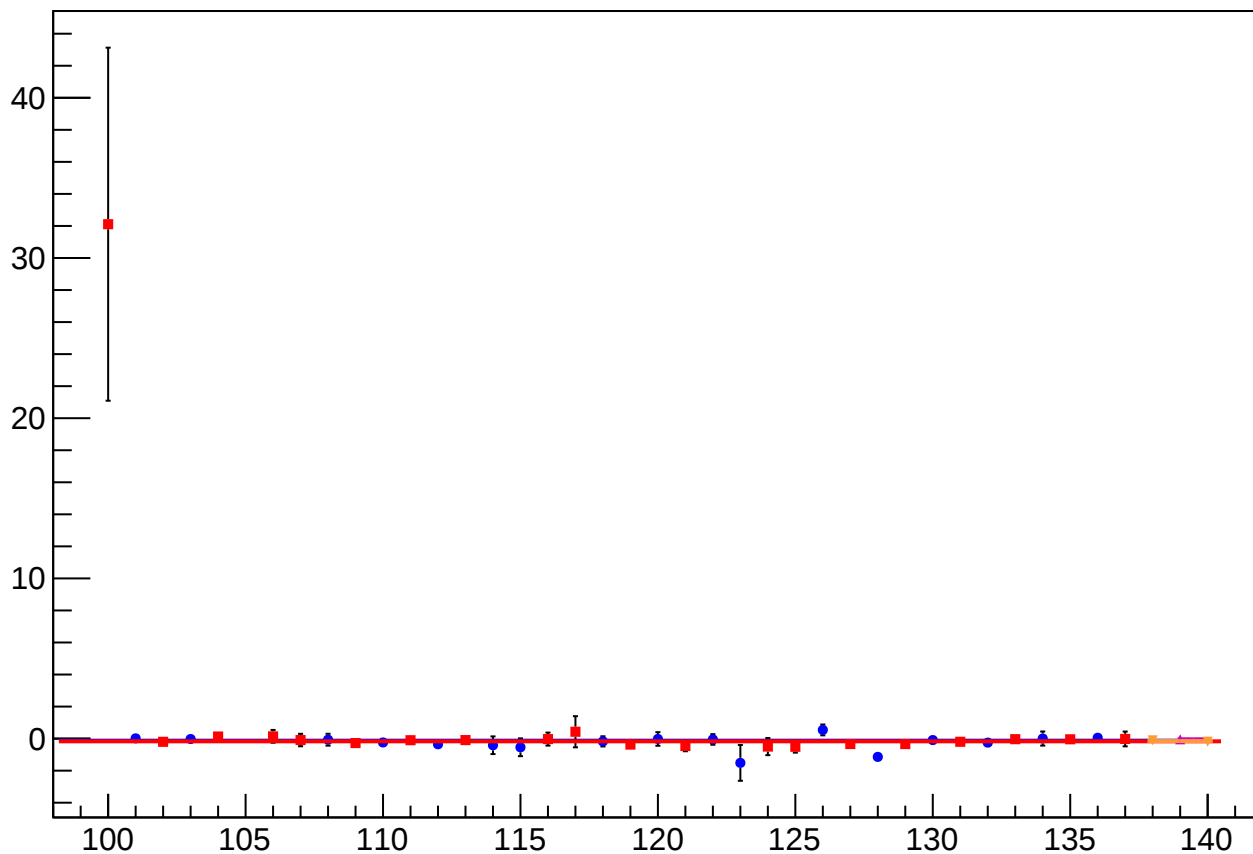
Right Out: -0.120+/-0.039 χ^2 /NDF: 20.2/19

Left In: -0.126+/-0.238 χ^2 /NDF: 0.0/0

-0.048+/-0.034 χ^2 /NDF: 26.7/18

-0.120+/-0.039 χ^2 /NDF: 20.2/20

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129+/-0.067 χ^2 /NDF: 23.1/16

Left Out: -0.152+/-0.099 χ^2 /NDF: 0.2/1

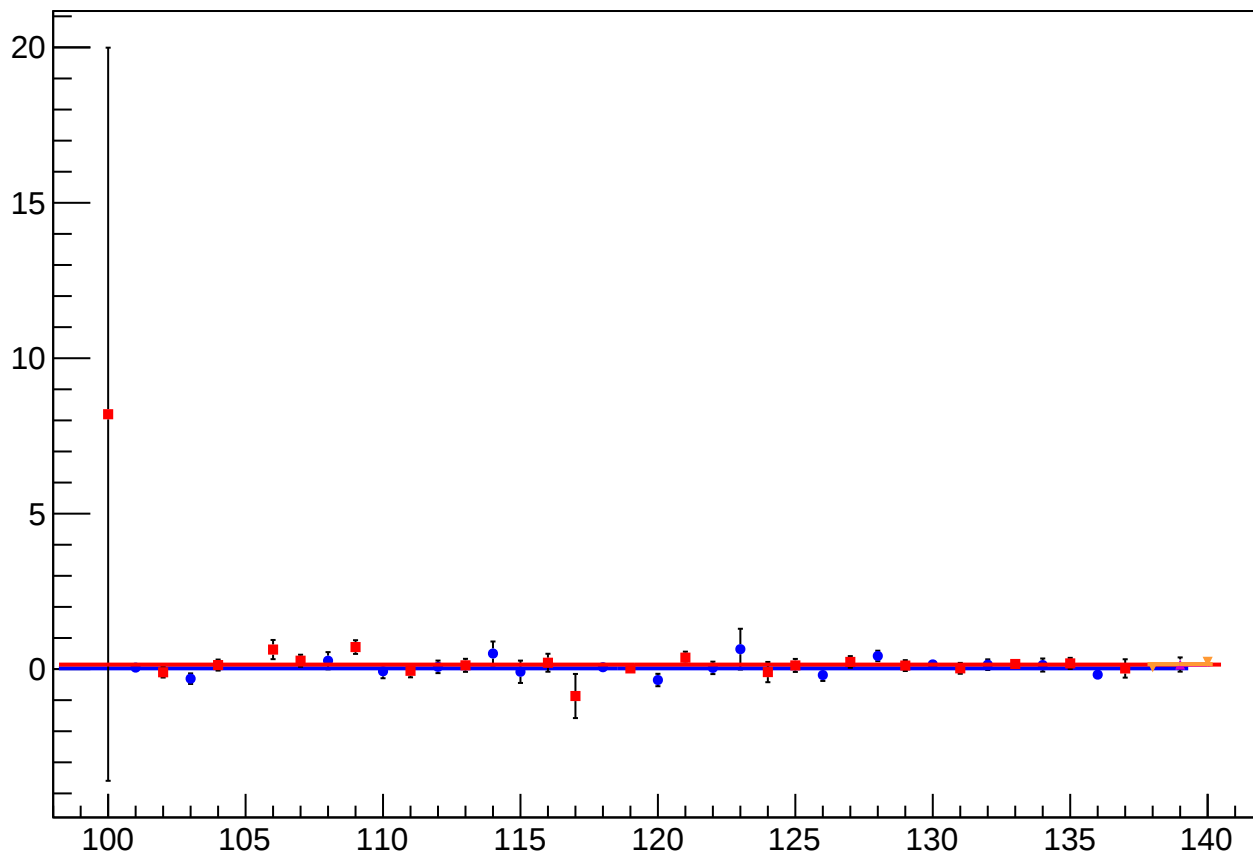
Right Out: -0.169+/-0.071 χ^2 /NDF: 15.3/19

Left In: -0.042+/-0.144 χ^2 /NDF: 0.0/0

-0.137+/-0.056 χ^2 /NDF: 23.3/18

-0.144+/-0.064 χ^2 /NDF: 15.9/20

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 $\chi^2/\text{NDF}: 21.3/16$

Left Out: 0.161 ± 0.100 $\chi^2/\text{NDF}: 0.8/1$

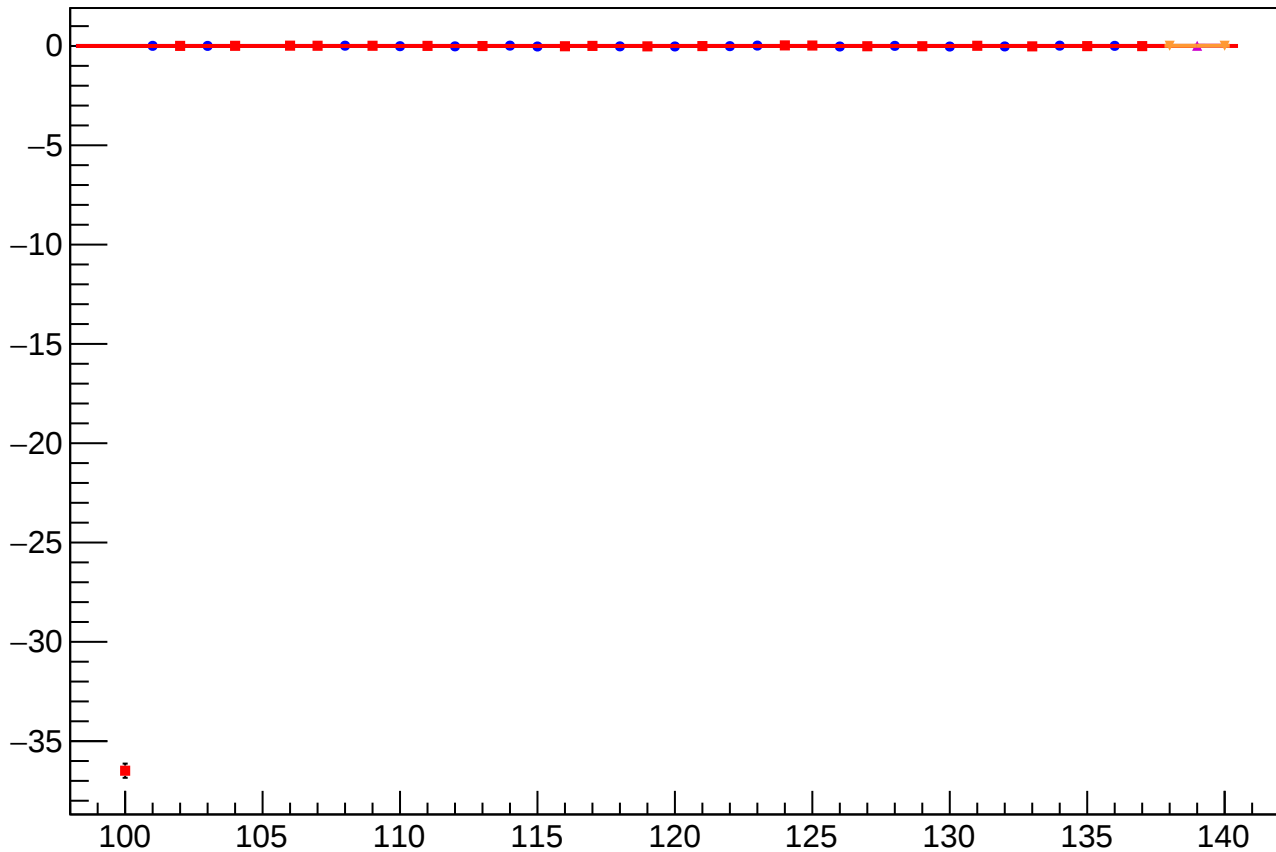
Right Out: 0.144 ± 0.045 $\chi^2/\text{NDF}: 18.6/19$

Left In: 0.146 ± 0.229 $\chi^2/\text{NDF}: 0.0/0$

0.044 ± 0.039 $\chi^2/\text{NDF}: 23.7/18$

0.144 ± 0.044 $\chi^2/\text{NDF}: 18.6/20$

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.012+/-0.004 χ^2/NDF : 0.0/1

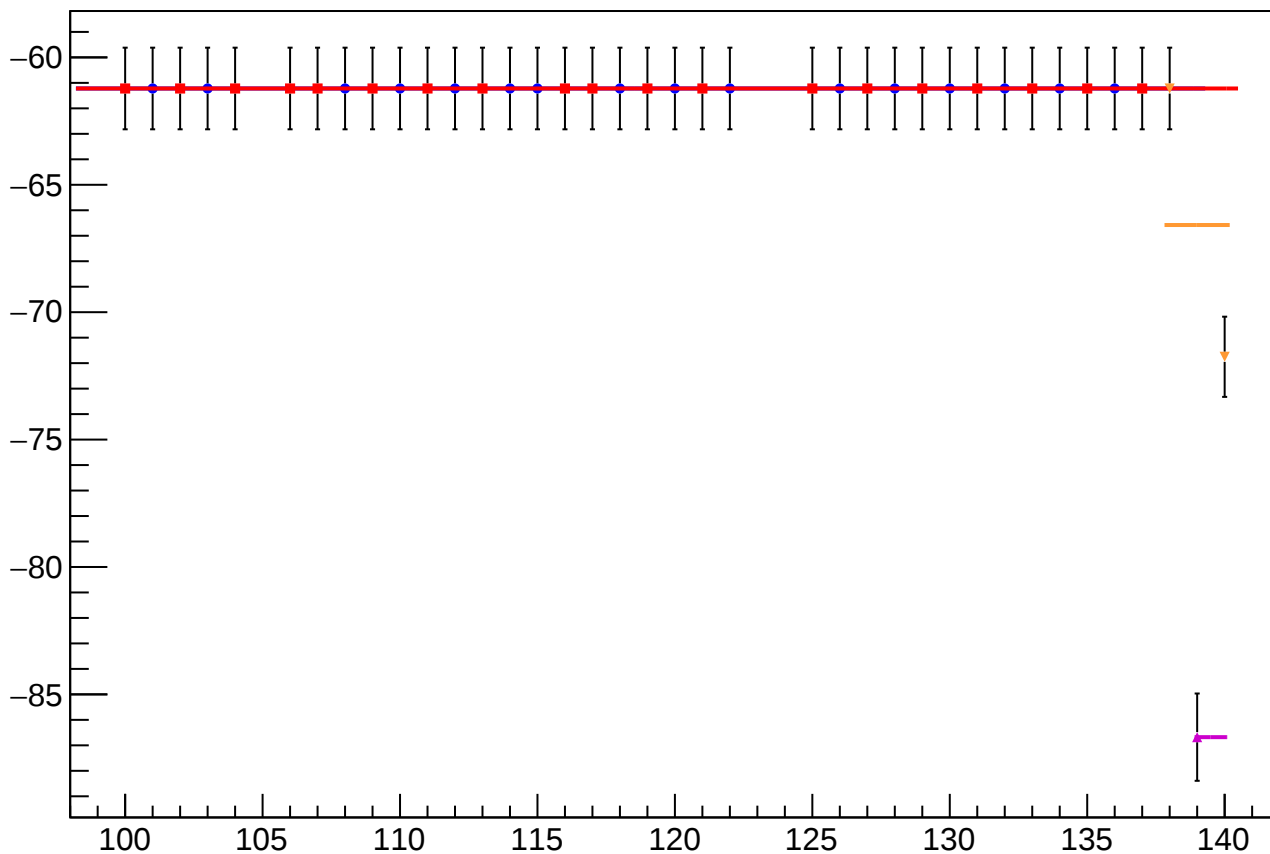
Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/19

Left In: 0.011+/-0.005 χ^2/NDF : 0.0/0

0.004+/-0.002 χ^2/NDF : 35.6/18

0.003+/-0.002 χ^2/NDF : 10452.6/20

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -61.220 $\pm$ 0.400 χ^2 /NDF: 0.0/15

Left Out: -66.579 $\pm$ 1.123 χ^2 /NDF: 22.0/1

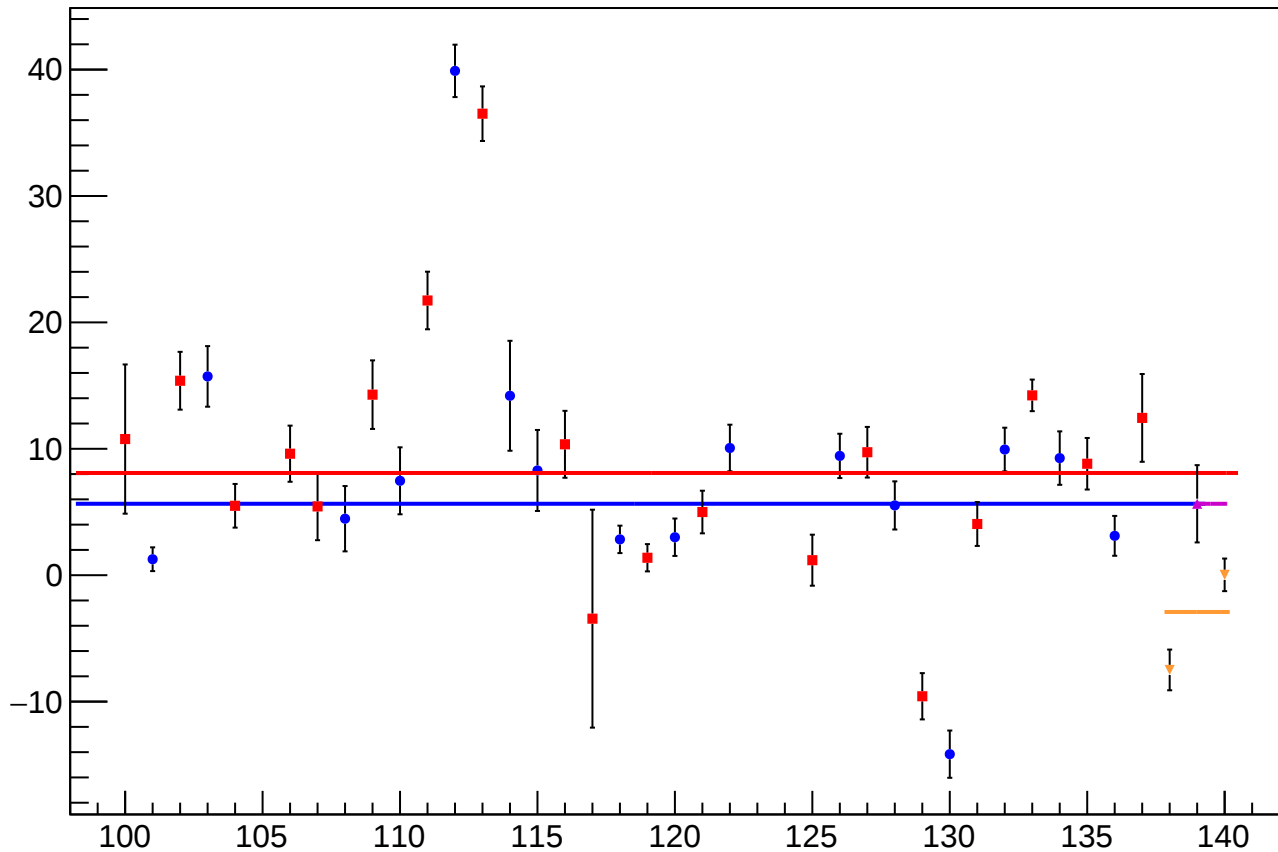
Right Out: -61.220 $\pm$ 0.368 χ^2 /NDF: 0.0/18

Left In: -86.679 $\pm$ 1.713 χ^2 /NDF: 0.0/0

-61.825 $\pm$ 0.377 χ^2 /NDF: 42.2/17

-62.341 $\pm$ 0.359 χ^2 /NDF: 211.2/19

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651+/-0.429 χ^2/NDF : 461.9/15

Left Out: -2.909+/-1.006 χ^2/NDF : 13.3/1

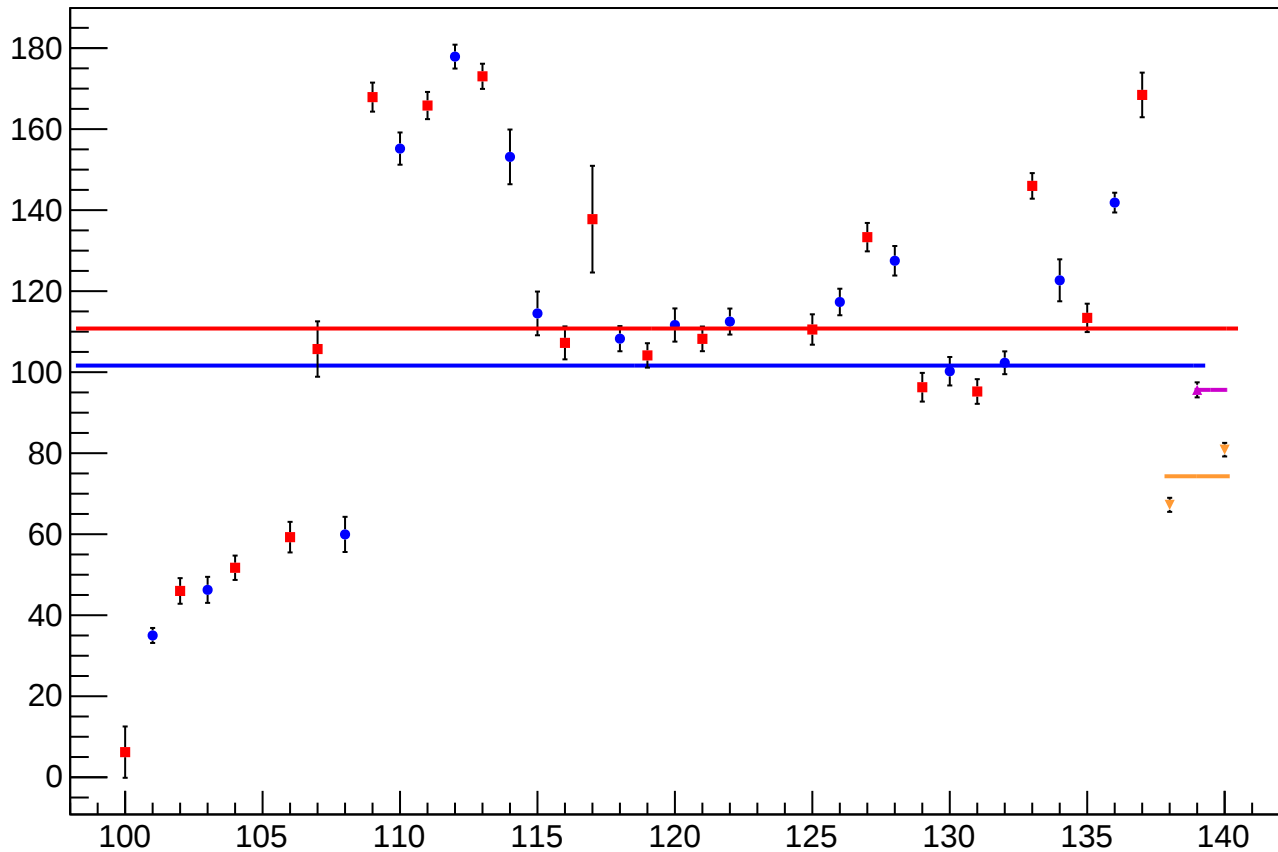
Right Out: 8.087+/-0.452 χ^2/NDF : 409.7/18

Left In: 5.650+/-3.057 χ^2/NDF : 0.0/0

4.334+/-0.395 χ^2/NDF : 536.4/17

8.035+/-0.447 χ^2/NDF : 410.3/19

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 74.305 $\pm$ 1.206 χ^2 /NDF:31.8/1

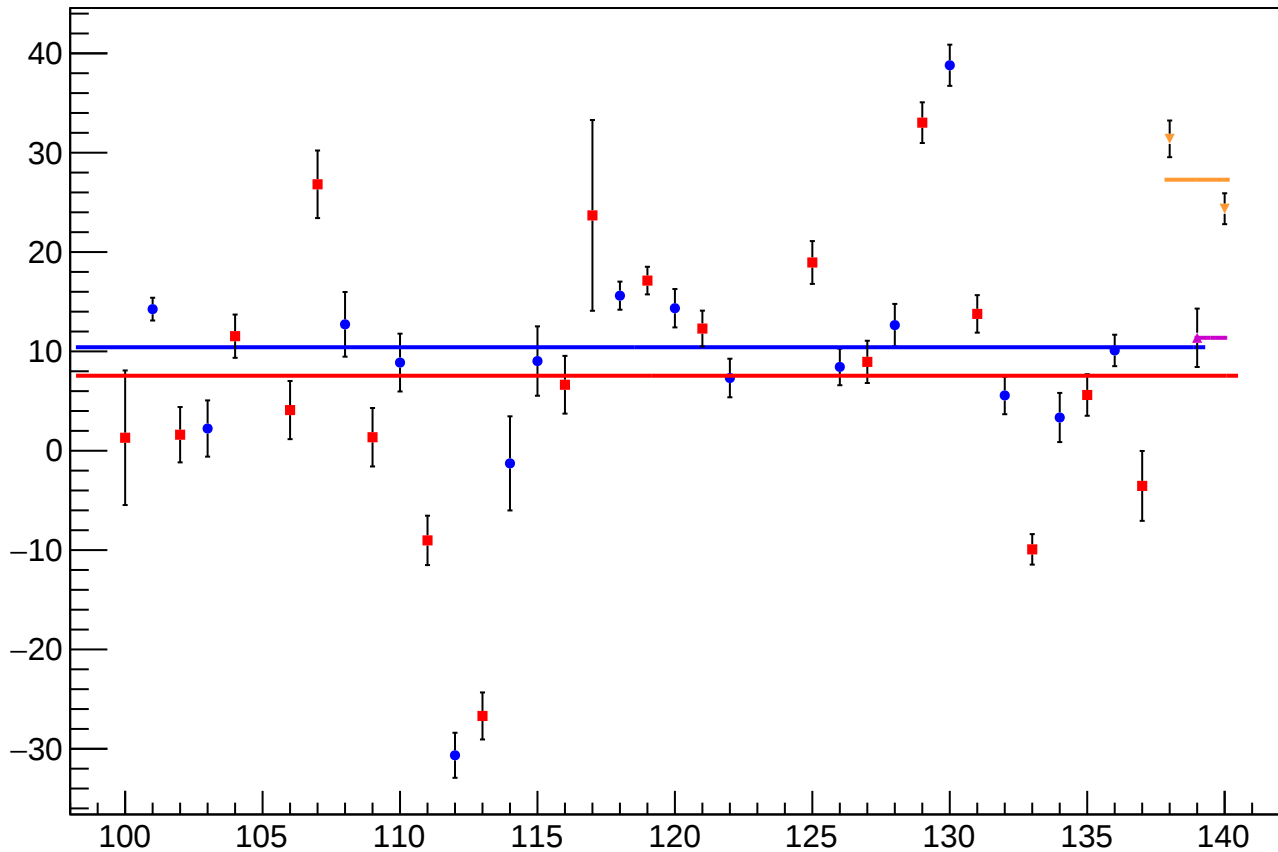
Right Out: 110.778 $\pm$ 0.834 χ^2 /NDF: 2518.3/18

Left In: 95.635 $\pm$ 1.857 χ^2 /NDF:0.0/0

93.105 $\pm$ 0.674 χ^2 /NDF: 3365.3/17

108.235 $\pm$ 0.761 χ^2 /NDF: 2573.6/19

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2/NDF : 579.7/15

Left Out: 27.282 $\pm$ 1.189 χ^2/NDF : 8.5/1

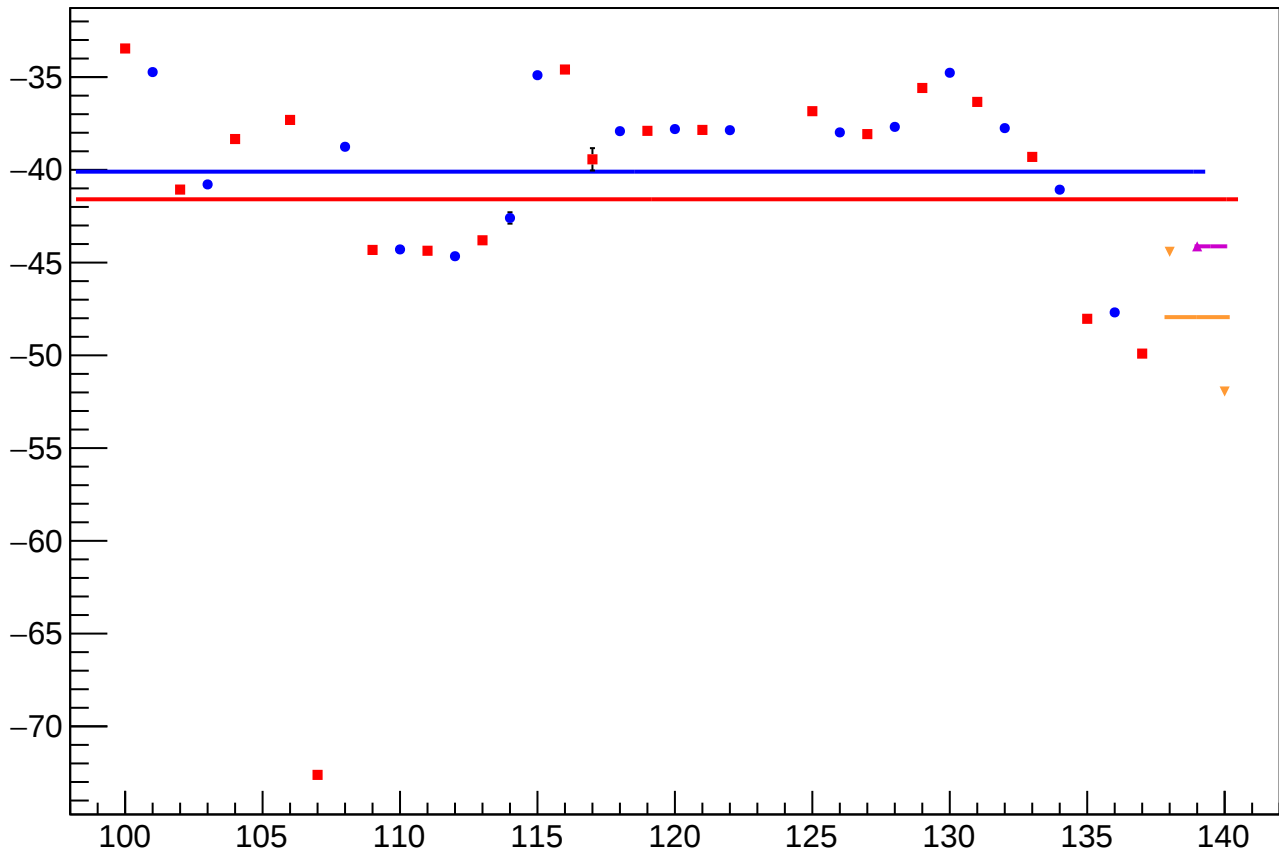
Right Out: 7.550 $\pm$ 0.522 χ^2/NDF : 692.3/18

Left In: 11.369 $\pm$ 2.940 χ^2/NDF : 0.0/0

12.930 $\pm$ 0.459 χ^2/NDF : 759.3/17

7.667 $\pm$ 0.514 χ^2/NDF : 693.9/19

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -47.940 ± 0.050 $\chi^2/\text{NDF}: 5625.7/1$

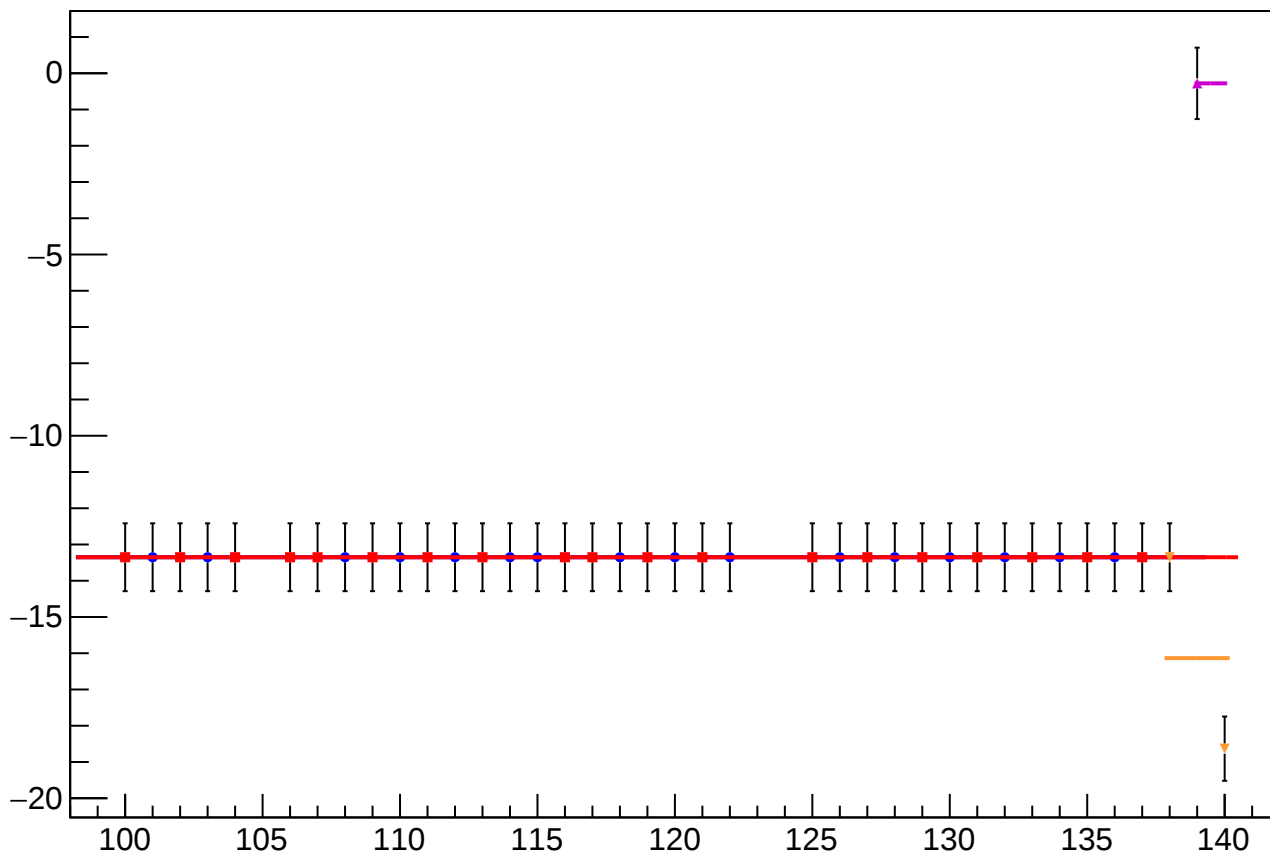
Right Out: -41.588 ± 0.029 $\chi^2/\text{NDF}: 61690.5/18$

Left In: -44.124 ± 0.065 $\chi^2/\text{NDF}: 0.0/0$

-41.997 ± 0.025 $\chi^2/\text{NDF}: 49263.2/17$

-41.999 ± 0.026 $\chi^2/\text{NDF}: 62969.4/19$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: -13.352 ± 0.234 χ^2/NDF : 0.0/15

Left Out: -16.134 ± 0.644 χ^2/NDF : 16.8/1

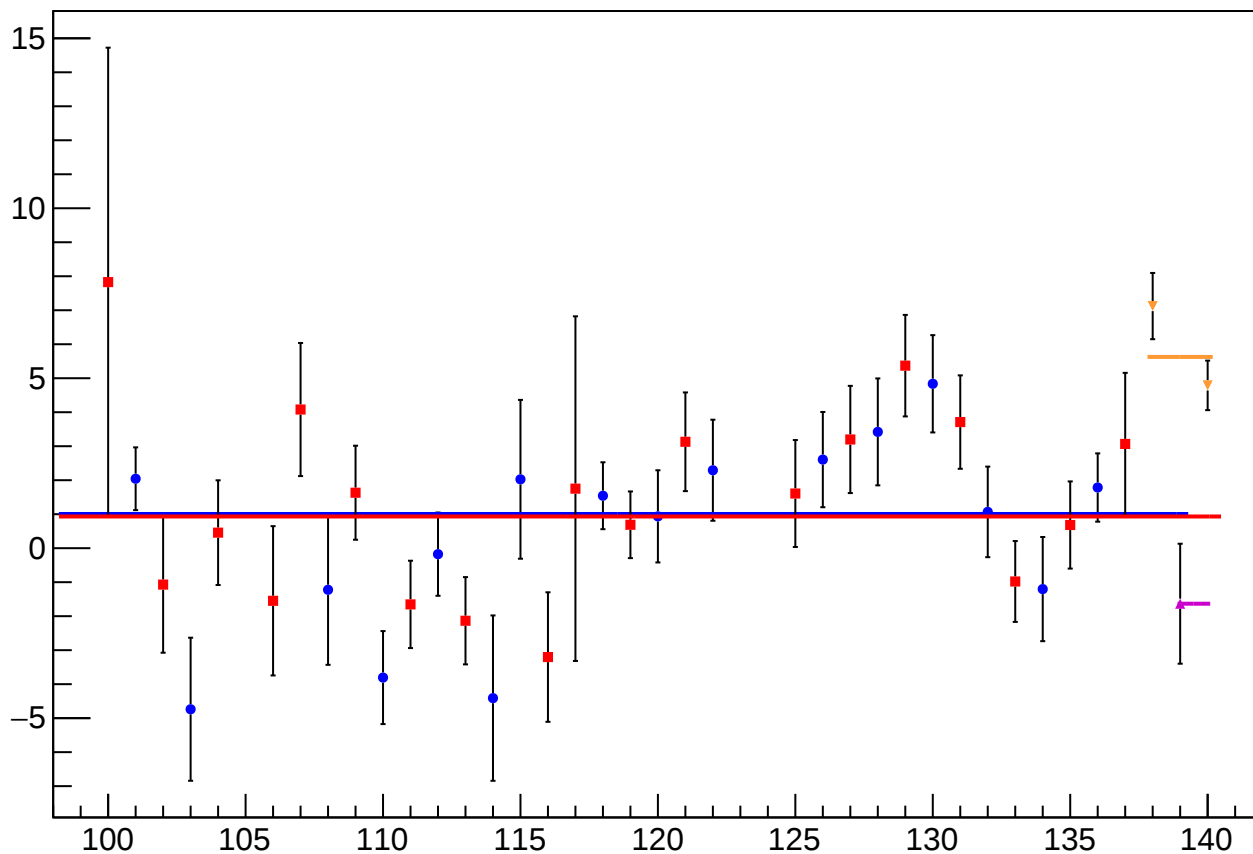
Right Out: -13.352 ± 0.215 χ^2/NDF : 0.0/18

Left In: -0.278 ± 0.985 χ^2/NDF : 0.0/0

-13.676 ± 0.220 χ^2/NDF : 33.3/17

-12.758 ± 0.210 χ^2/NDF : 168.3/19

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: 5.626 ± 0.584 χ^2/NDF : 3.7/1

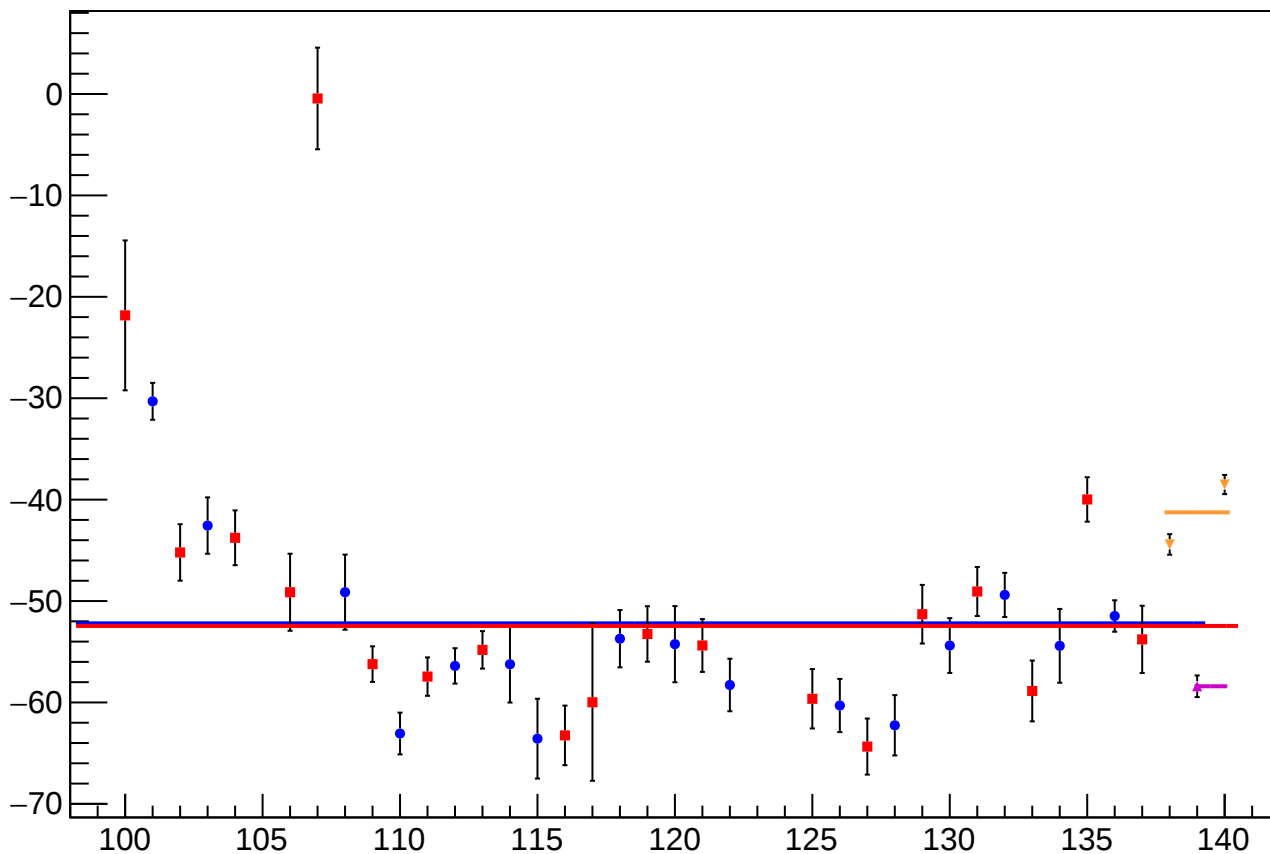
Right Out: 0.933 ± 0.352 χ^2/NDF : 41.9/18

Left In: -1.633 ± 1.765 χ^2/NDF : 0.0/0

2.185 ± 0.295 χ^2/NDF : 93.1/17

0.834 ± 0.346 χ^2/NDF : 43.9/19

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 $\pm$ 0.615 χ^2 /NDF: 230.6/15

Left Out: -41.253 $\pm$ 0.691 χ^2 /NDF: 18.2/1

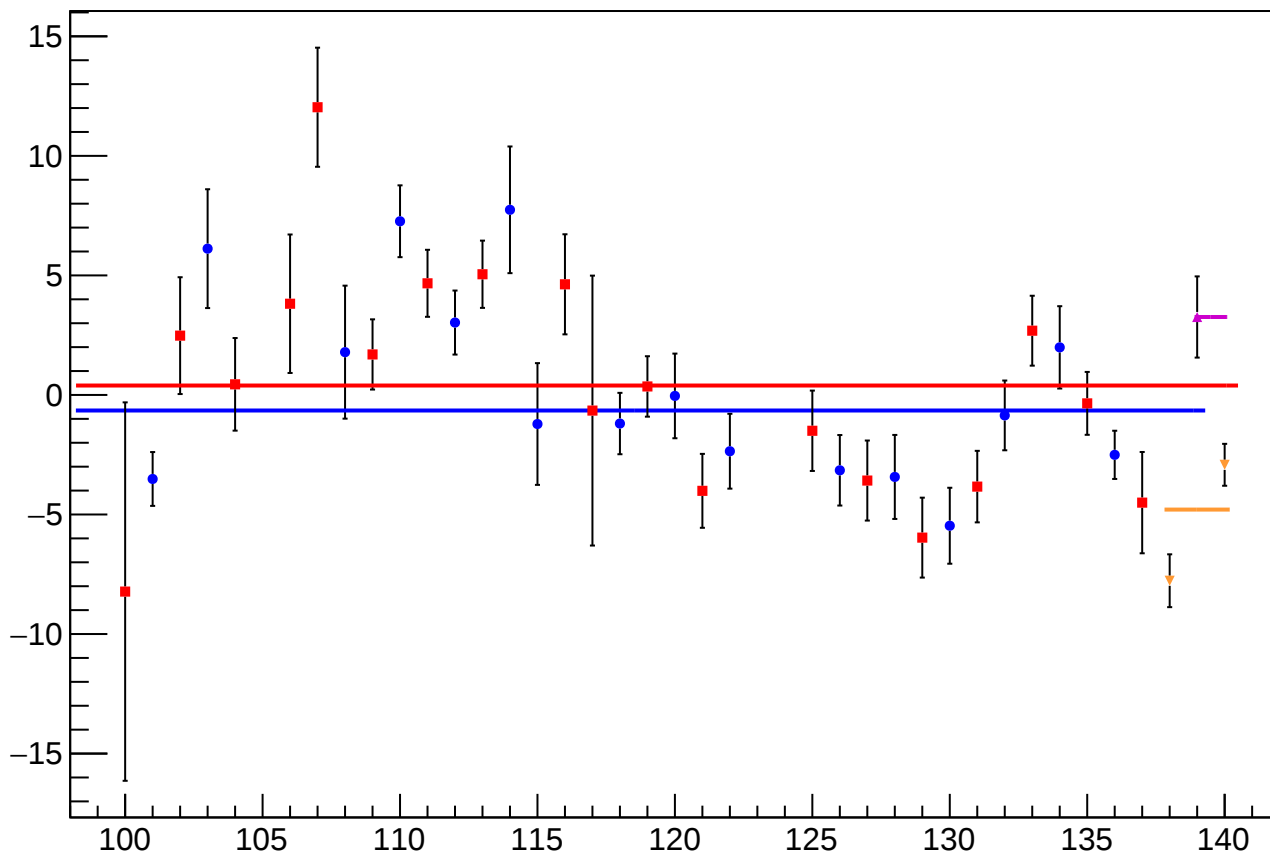
Right Out: -52.455 $\pm$ 0.614 χ^2 /NDF: 234.8/18

Left In: -58.405 $\pm$ 1.067 χ^2 /NDF: 0.0/0

-47.367 $\pm$ 0.459 χ^2 /NDF: 388.8/17

-53.935 $\pm$ 0.532 χ^2 /NDF: 258.2/19

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: -4.795 ± 0.687 χ^2/NDF : 11.8/1

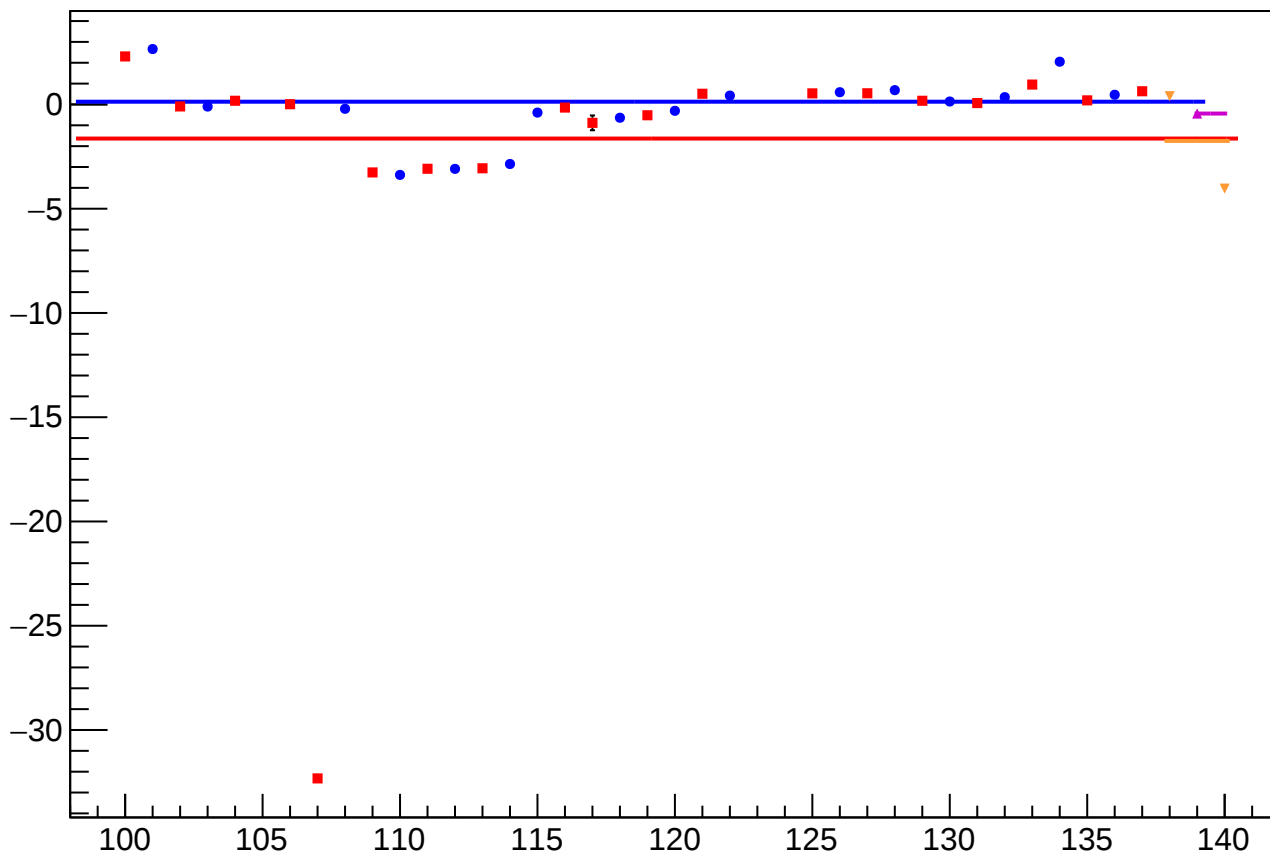
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 3.260 ± 1.698 χ^2/NDF : 0.0/0

-1.649 ± 0.337 χ^2/NDF : 121.4/17

0.544 ± 0.388 χ^2/NDF : 98.6/19

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 $\pm$ 0.022 χ^2 /NDF: 5247.5/15

Left Out: -1.749 $\pm$ 0.029 χ^2 /NDF: 6030.7/1

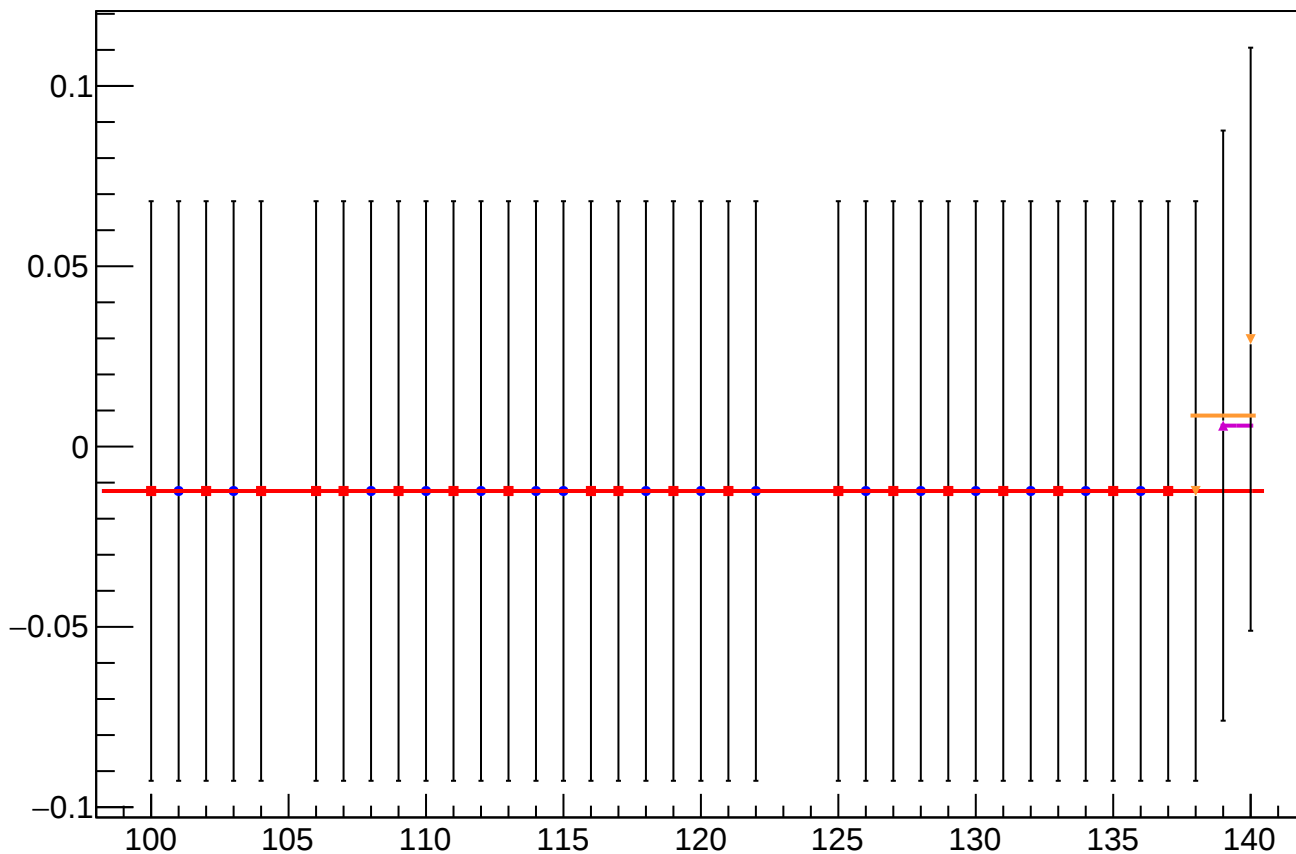
Right Out: -1.635 $\pm$ 0.022 χ^2 /NDF: 77852.9/18

Left In: -0.436 $\pm$ 0.037 χ^2 /NDF: 0.0/0

-0.552 $\pm$ 0.017 χ^2 /NDF: 14043.3/17

-1.332 $\pm$ 0.019 χ^2 /NDF: 78616.9/19

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: -0.012+/-0.020 χ^2/NDF : 0.0/15

Left Out: 0.009+/-0.057 χ^2/NDF : 0.1/1

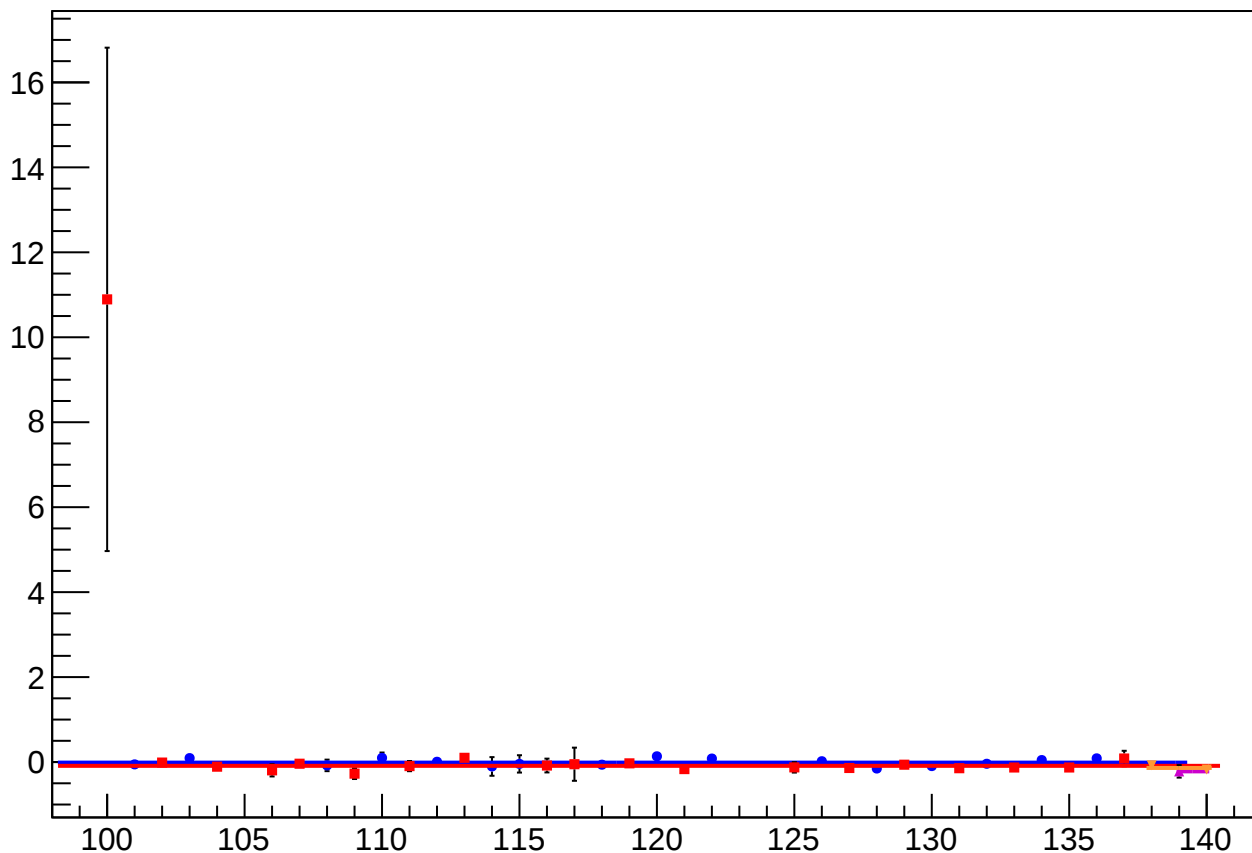
Right Out: -0.012+/-0.018 χ^2/NDF : 0.0/18

Left In: 0.006+/-0.082 χ^2/NDF : 0.0/0

-0.010+/-0.019 χ^2/NDF : 0.3/17

-0.011+/-0.018 χ^2/NDF : 0.0/19

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.139 ± 0.053 χ^2/NDF : 0.9/1

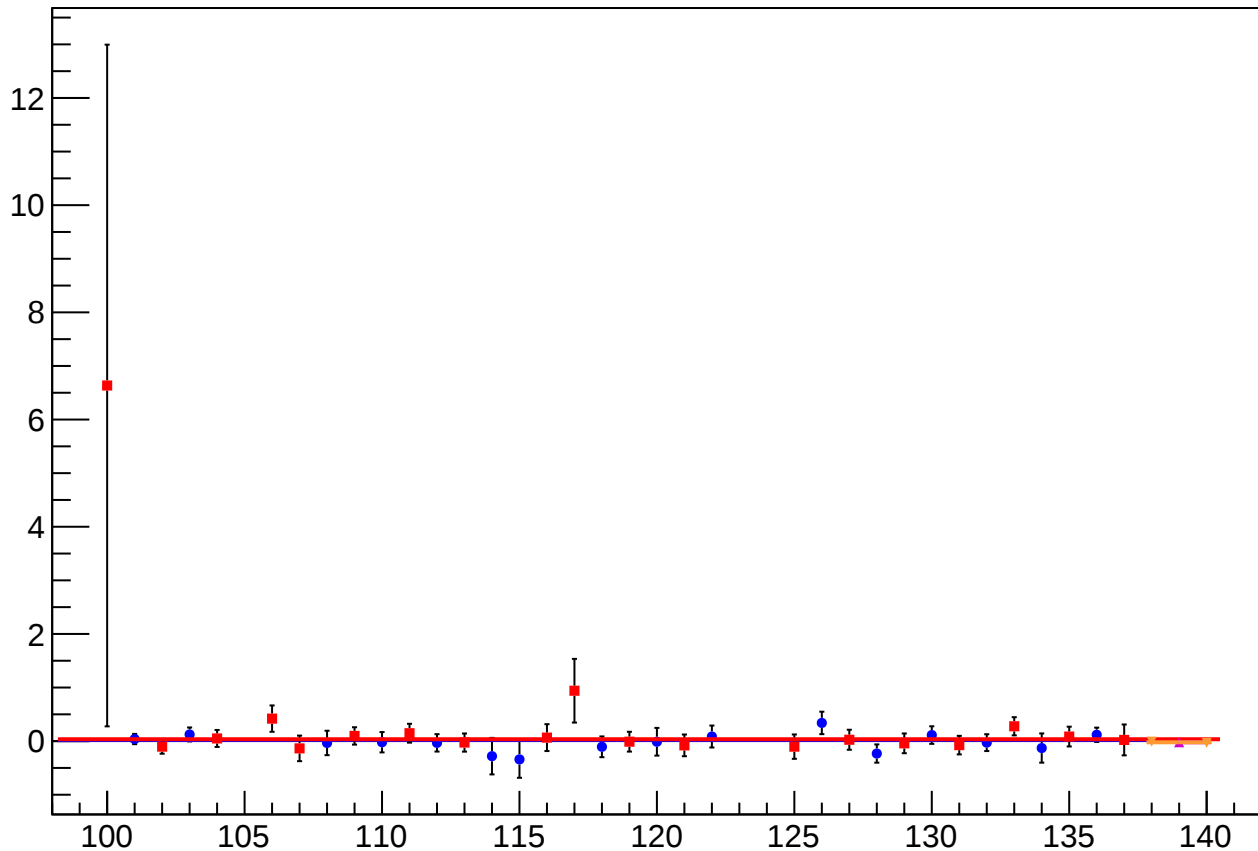
Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/18

Left In: -0.220 ± 0.147 χ^2/NDF : 0.0/0

-0.034 ± 0.021 χ^2/NDF : 17.3/17

-0.093 ± 0.024 χ^2/NDF : 13.7/19

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020+/-0.043 χ^2/NDF : 9.1/15

Left Out: -0.022+/-0.061 χ^2/NDF : 0.0/1

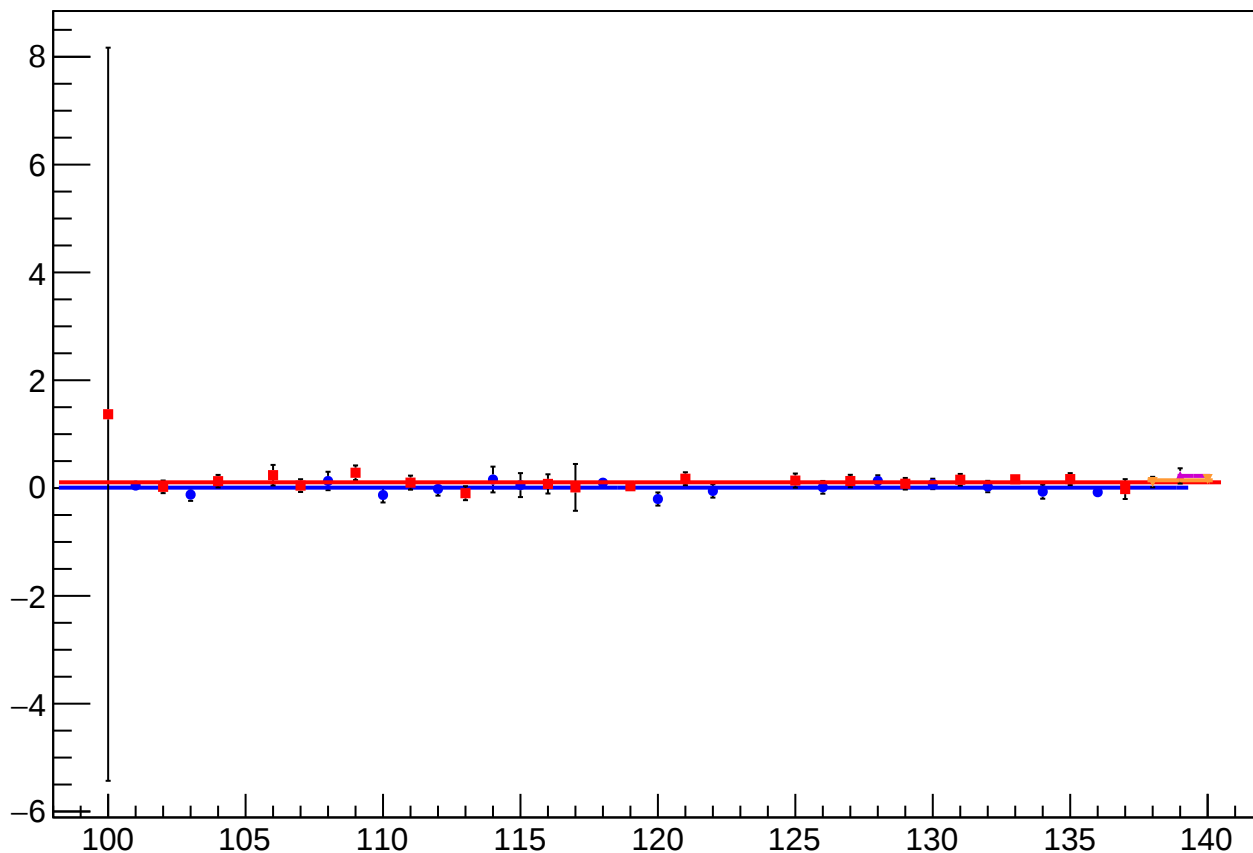
Right Out: 0.035+/-0.045 χ^2/NDF : 11.6/18

Left In: -0.021+/-0.089 χ^2/NDF : 0.0/0

0.006+/-0.035 χ^2/NDF : 9.4/17

0.024+/-0.040 χ^2/NDF : 11.9/19

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.144 $\pm$ 0.062 χ^2 /NDF: 0.2/1

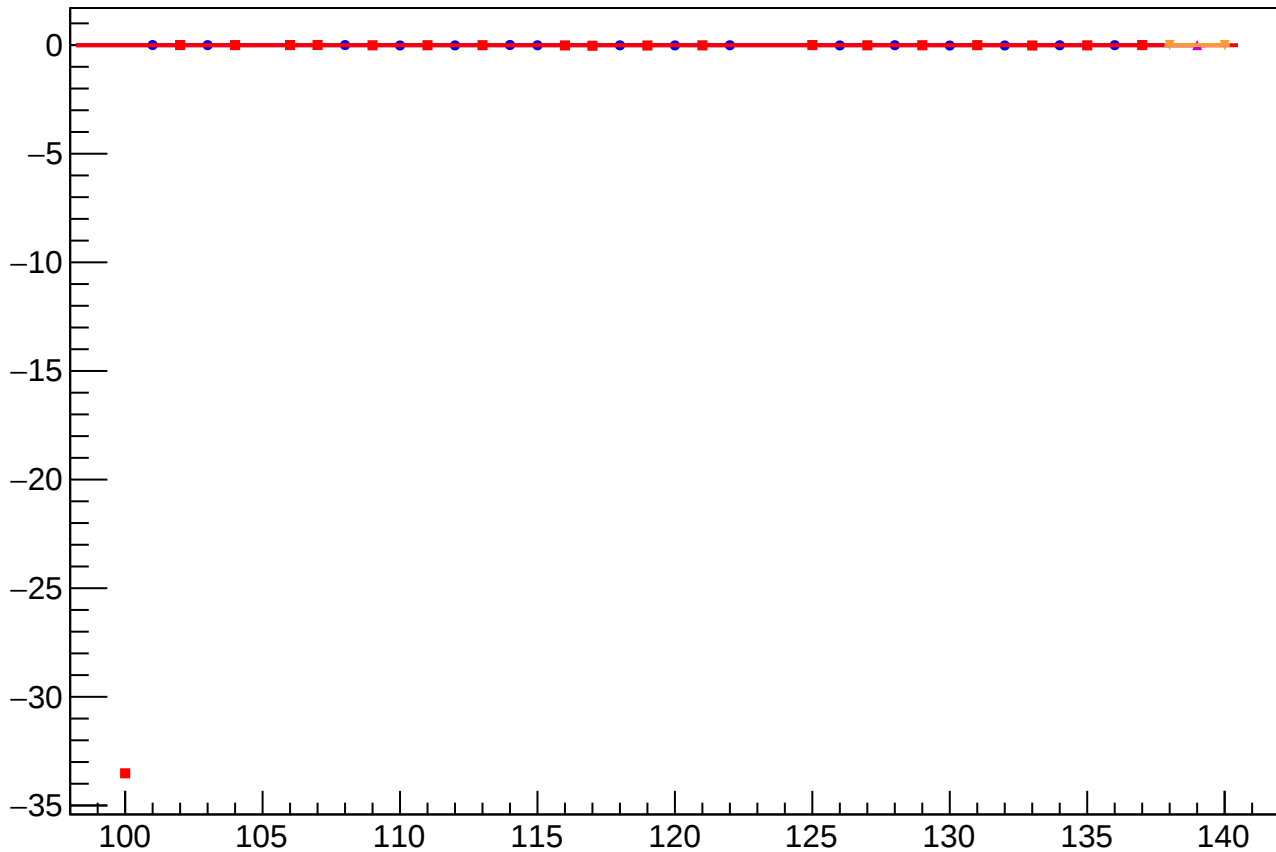
Right Out: 0.106 $\pm$ 0.029 χ^2 /NDF: 8.2/18

Left In: 0.226 $\pm$ 0.141 χ^2 /NDF: 0.0/0

0.030 $\pm$ 0.025 χ^2 /NDF: 15.6/17

0.111 $\pm$ 0.028 χ^2 /NDF: 8.9/19

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005+/-0.001 χ^2 /NDF: 21.8/15

Left Out: 0.003+/-0.003 χ^2 /NDF: 0.7/1

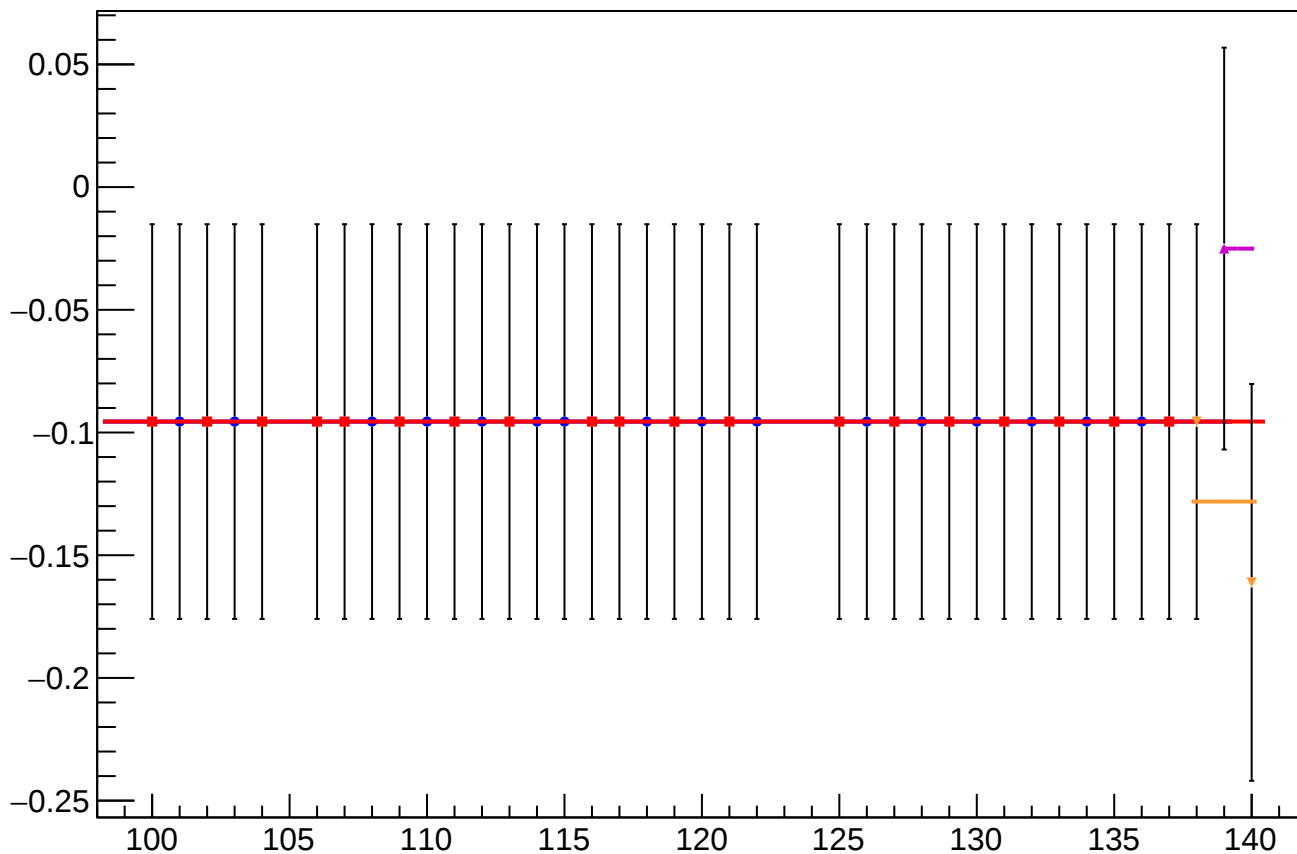
Right Out: -0.006+/-0.001 χ^2 /NDF: 26509.5/18

Left In: -0.001+/-0.003 χ^2 /NDF: 0.0/0

-0.003+/-0.001 χ^2 /NDF: 31.0/17

-0.005+/-0.001 χ^2 /NDF: 26511.2/19

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.096 $\pm$ 0.020 χ^2 /NDF: 0.0/15

Left Out: -0.128 $\pm$ 0.057 χ^2 /NDF: 0.3/1

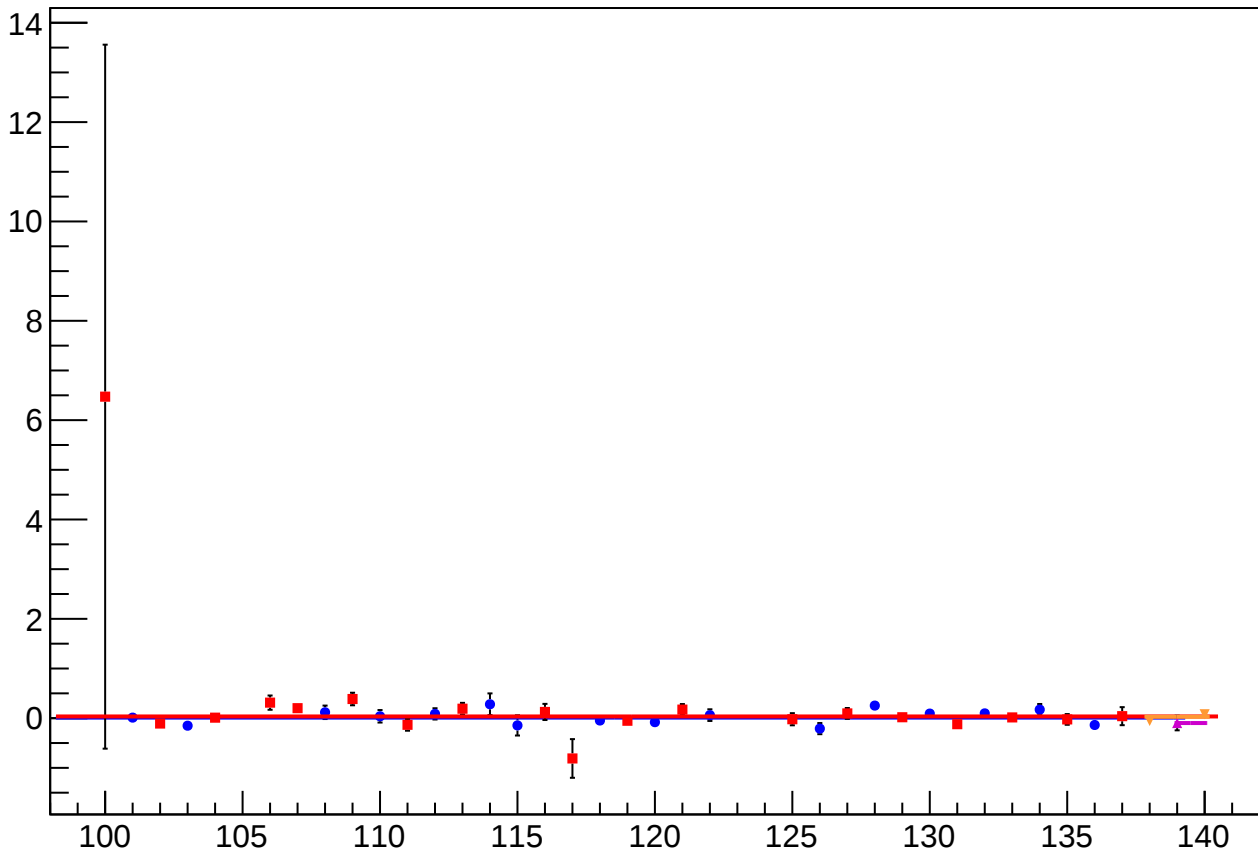
Right Out: -0.096 $\pm$ 0.018 χ^2 /NDF: 0.0/18

Left In: -0.025 $\pm$ 0.082 χ^2 /NDF: 0.0/0

-0.099 $\pm$ 0.019 χ^2 /NDF: 0.6/17

-0.092 $\pm$ 0.018 χ^2 /NDF: 0.7/19

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: 0.029 ± 0.053 χ^2/NDF : 1.5/1

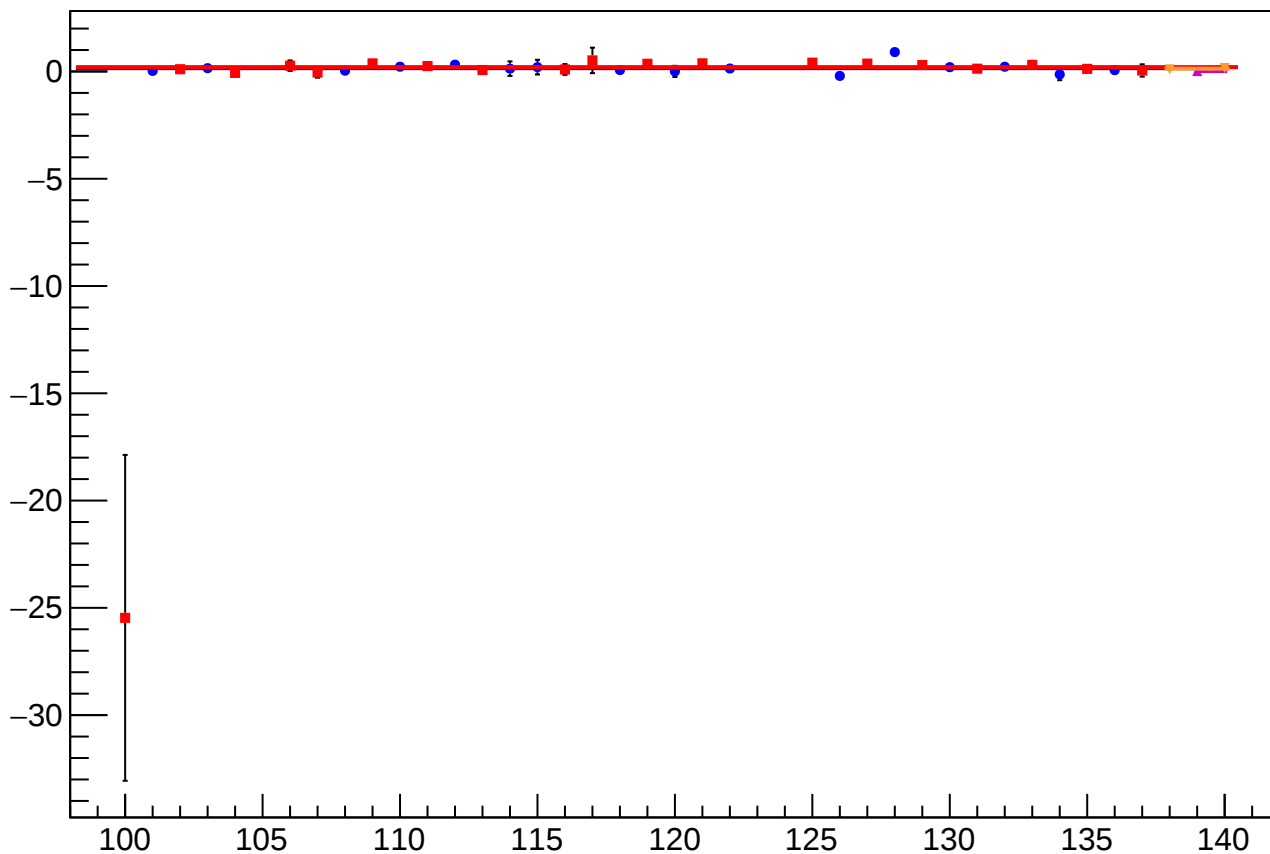
Right Out: 0.035 ± 0.025 χ^2/NDF : 33.2/18

Left In: -0.098 ± 0.147 χ^2/NDF : 0.0/0

0.015 ± 0.021 χ^2/NDF : 26.6/17

0.031 ± 0.024 χ^2/NDF : 34.0/19

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.131+/-0.061 χ^2/NDF : 0.3/1

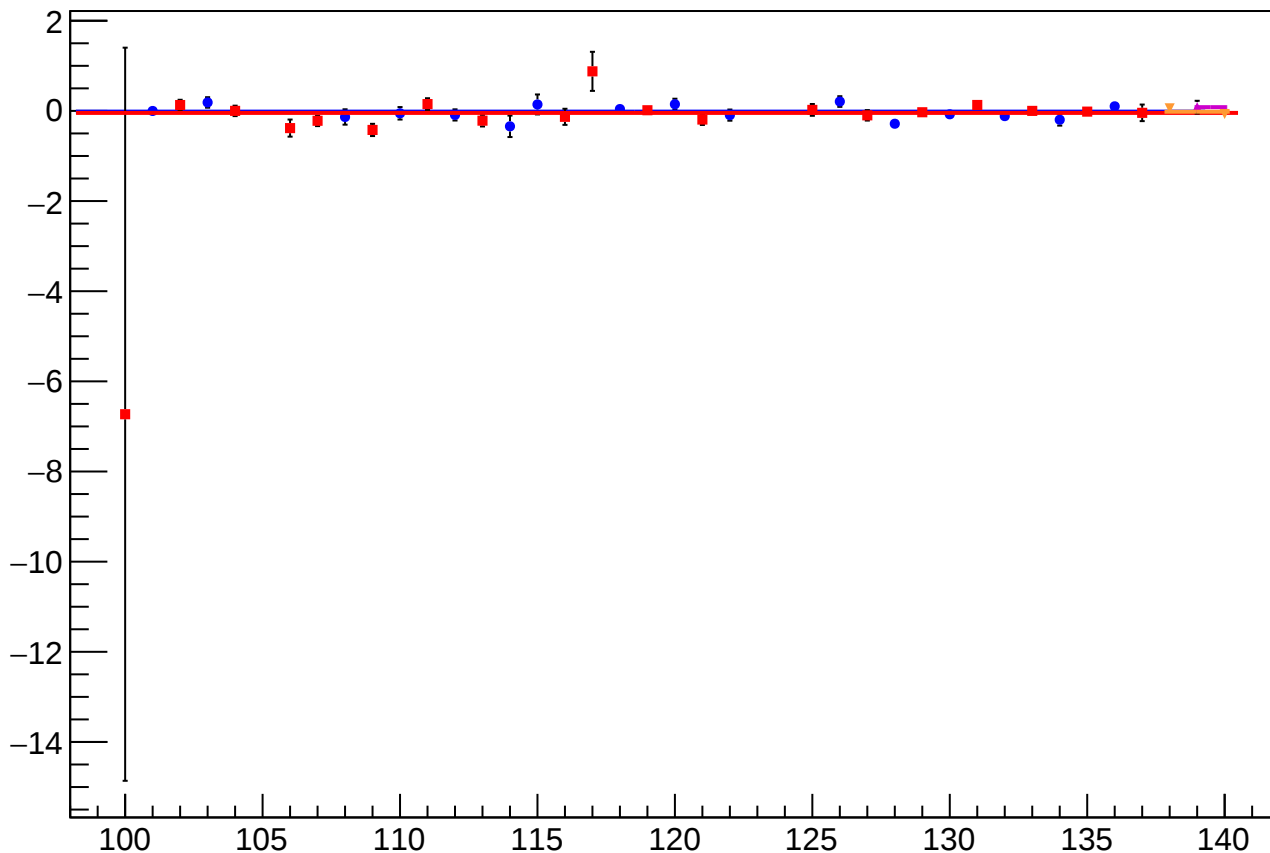
Right Out: 0.203+/-0.045 χ^2/NDF : 22.9/18

Left In: 0.021+/-0.089 χ^2/NDF : 0.0/0

0.147+/-0.035 χ^2/NDF : 28.3/17

0.166+/-0.040 χ^2/NDF : 26.2/19

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: -0.018 ± 0.062 χ^2/NDF : 1.0/1

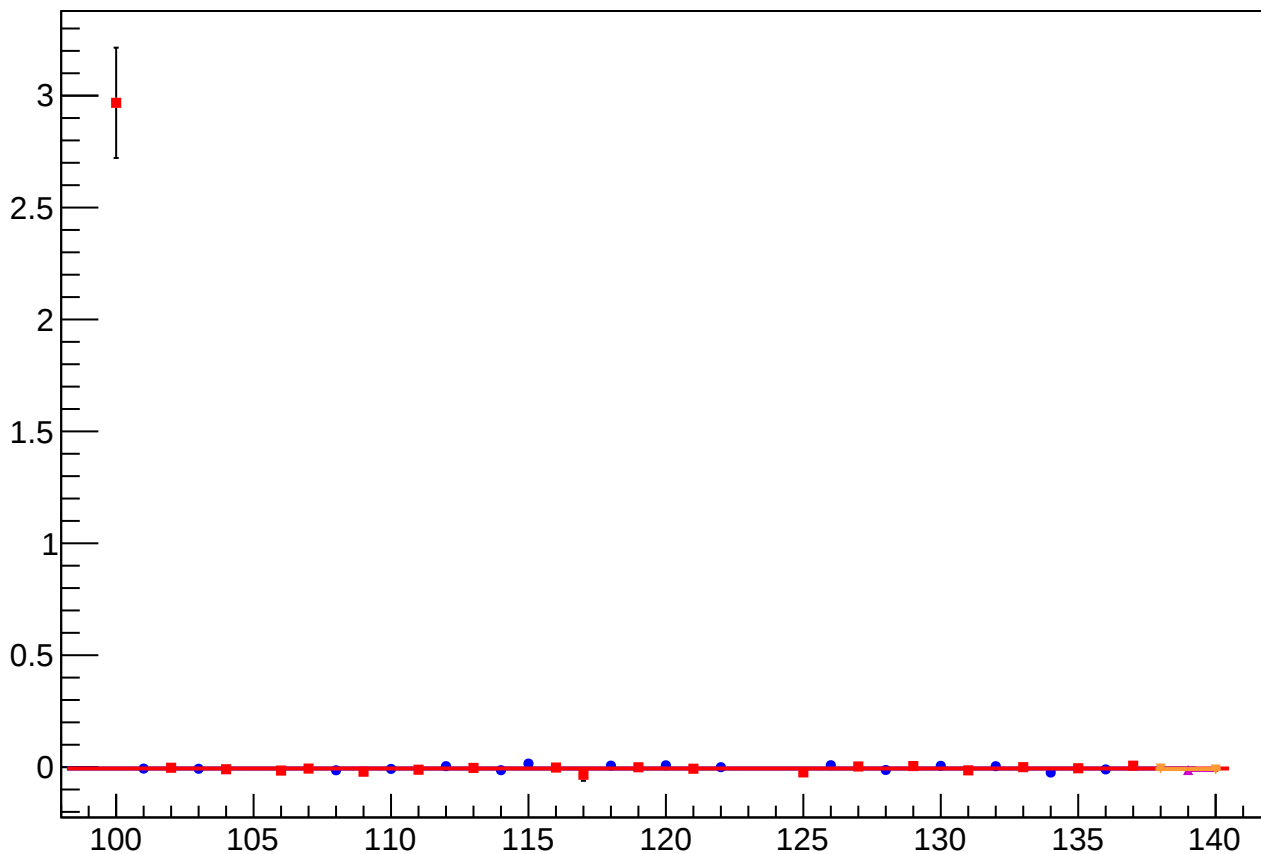
Right Out: -0.044 ± 0.029 χ^2/NDF : 30.5/18

Left In: 0.083 ± 0.141 χ^2/NDF : 0.0/0

-0.016 ± 0.025 χ^2/NDF : 25.3/17

-0.039 ± 0.028 χ^2/NDF : 31.3/19

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 ± 0.003 χ^2/NDF : 0.8/1

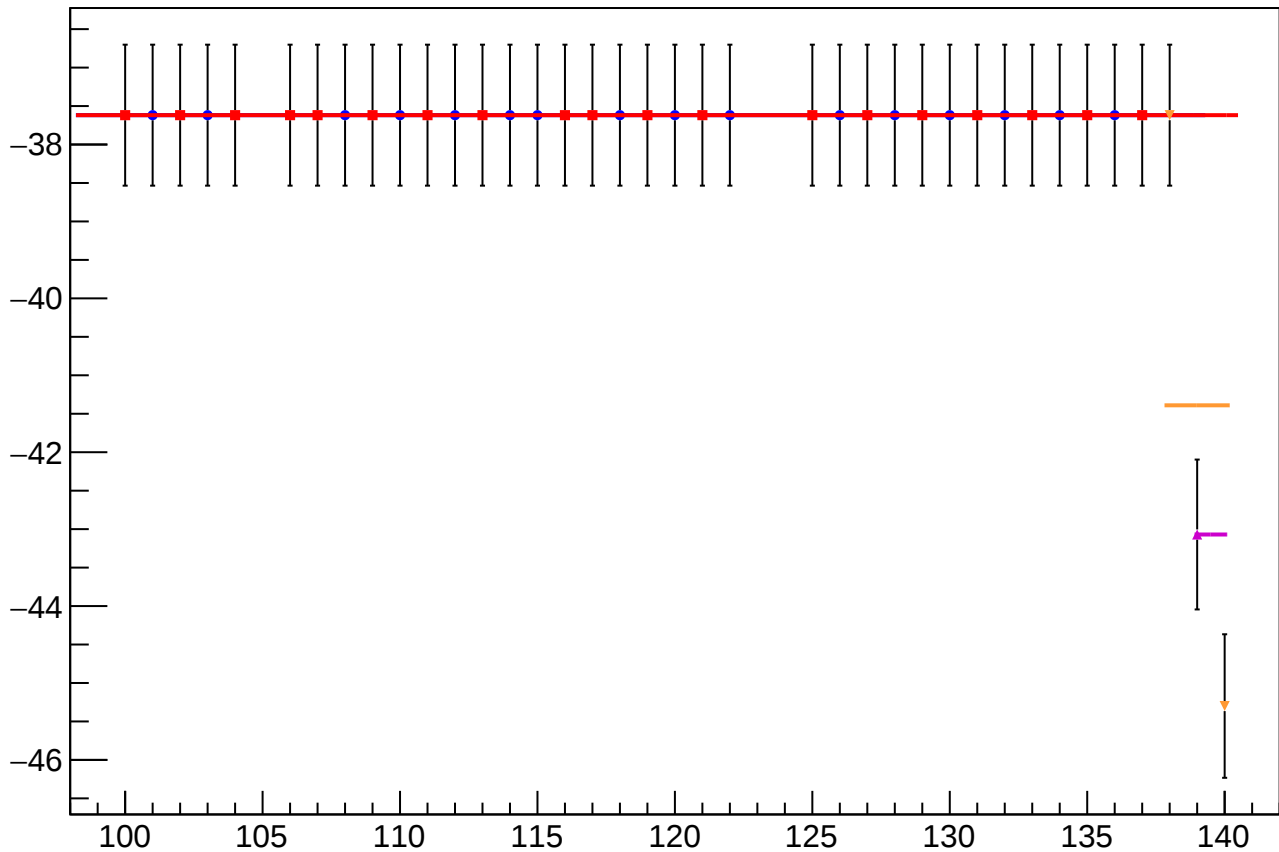
Right Out: -0.006 ± 0.001 χ^2/NDF : 167.0/18

Left In: -0.013 ± 0.003 χ^2/NDF : 0.0/0

-0.007 ± 0.001 χ^2/NDF : 28.8/17

-0.007 ± 0.001 χ^2/NDF : 170.9/19

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -37.618 ± 0.229 χ^2/NDF : 0.0/15

Left Out: -41.390 ± 0.654 χ^2/NDF : 34.5/1

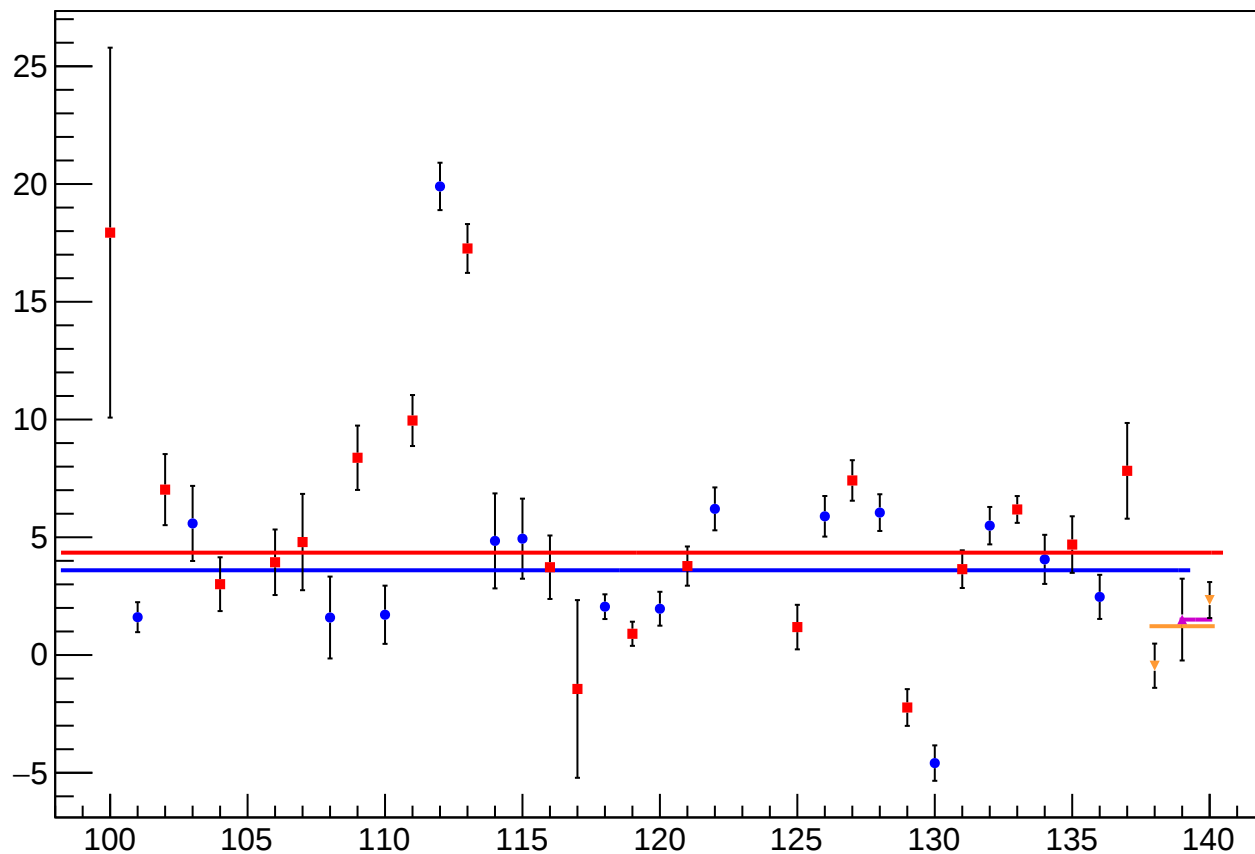
Right Out: -37.618 ± 0.210 χ^2/NDF : 0.0/18

Left In: -43.070 ± 0.974 χ^2/NDF : 0.0/0

-38.031 ± 0.216 χ^2/NDF : 64.2/17

-37.861 ± 0.206 χ^2/NDF : 29.9/19

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 443.4/15

Left Out: 1.224 $\pm$ 0.593 χ^2 /NDF: 5.3/1

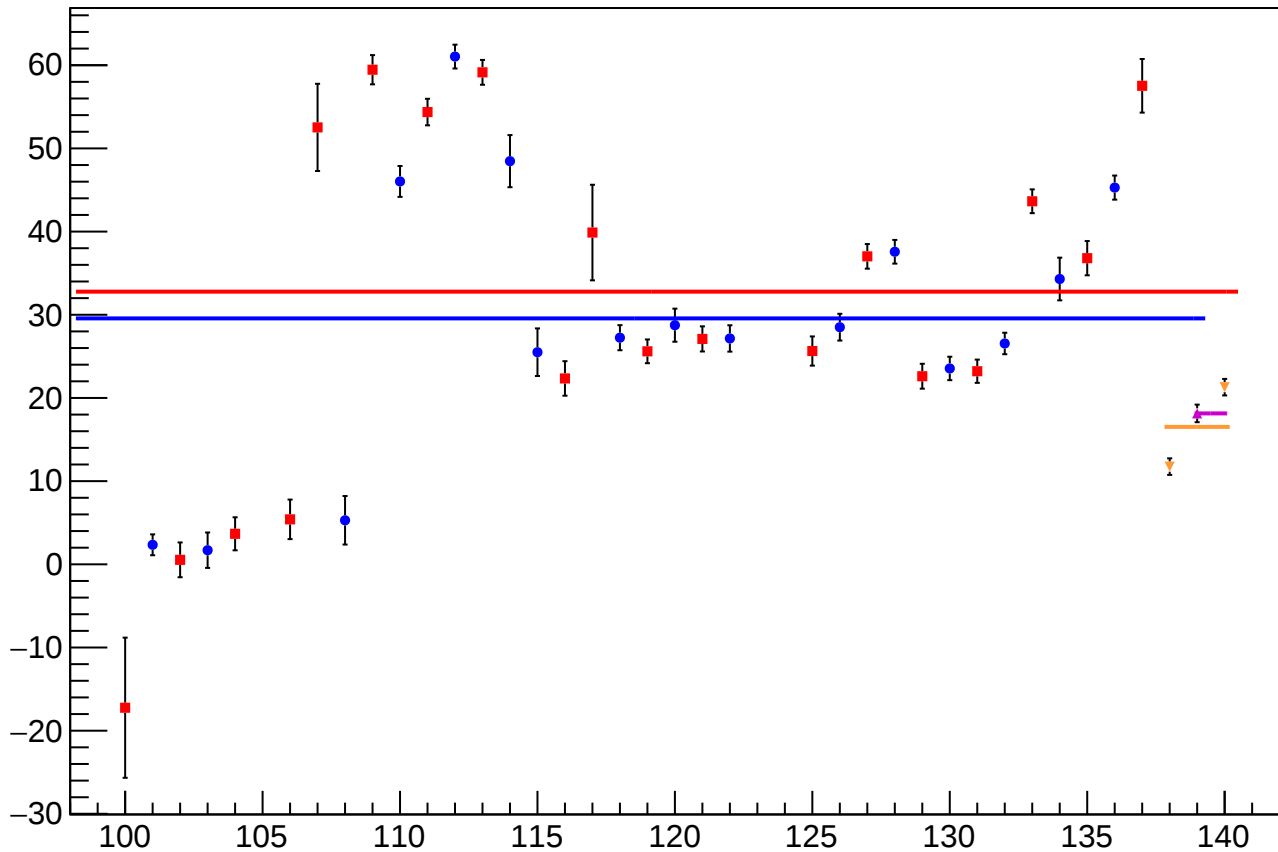
Right Out: 4.347 $\pm$ 0.224 χ^2 /NDF: 355.4/18

Left In: 1.505 $\pm$ 1.737 χ^2 /NDF: 0.0/0

3.310 $\pm$ 0.207 χ^2 /NDF: 462.8/17

4.300 $\pm$ 0.223 χ^2 /NDF: 358.1/19

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564+/-0.420 χ^2/NDF : 1494.6/15

Left Out: 16.523+/-0.703 χ^2/NDF : 46.2/1

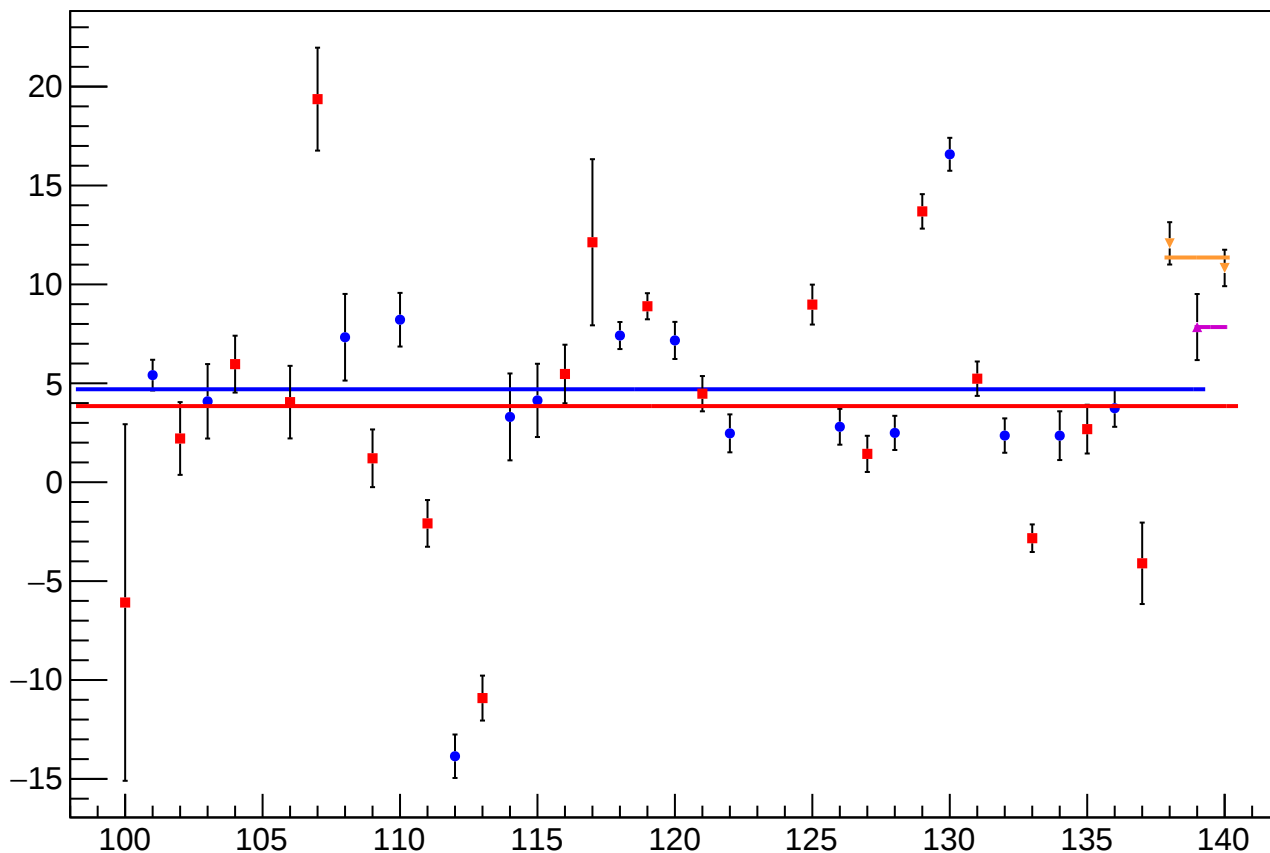
Right Out: 32.780+/-0.422 χ^2/NDF : 1664.8/18

Left In: 18.142+/-1.057 χ^2/NDF : 0.0/0

26.135+/-0.360 χ^2/NDF : 1794.8/17

30.769+/-0.392 χ^2/NDF : 1830.4/19

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 11.360 ± 0.698 $\chi^2/\text{NDF}: 0.8/1$

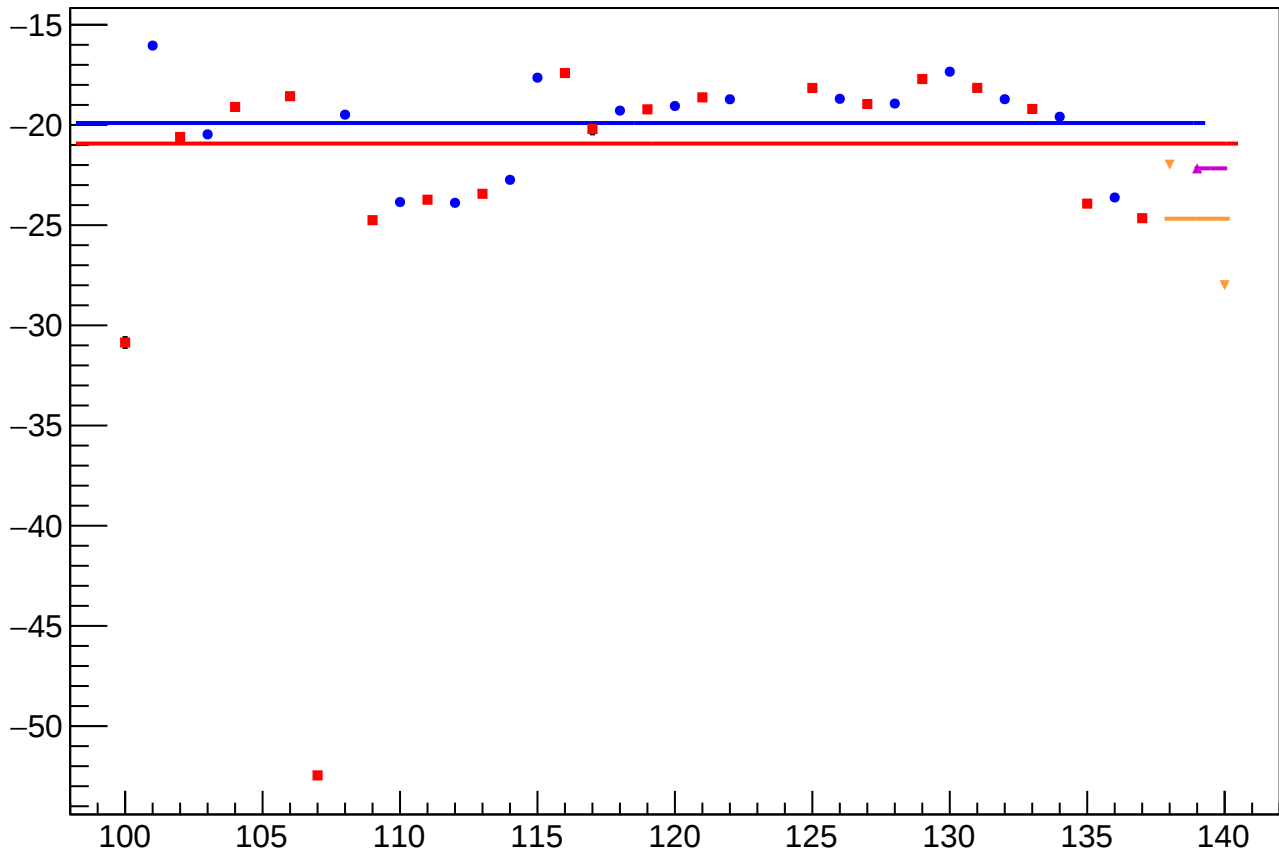
Right Out: 3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

Left In: 7.844 ± 1.670 $\chi^2/\text{NDF}: 0.0/0$

5.478 ± 0.239 $\chi^2/\text{NDF}: 630.1/17$

3.941 ± 0.255 $\chi^2/\text{NDF}: 577.1/19$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 $\pm$ 0.016 χ^2 /NDF: 26054.0/15

Left Out: -24.677 $\pm$ 0.029 χ^2 /NDF: 10615.1/1

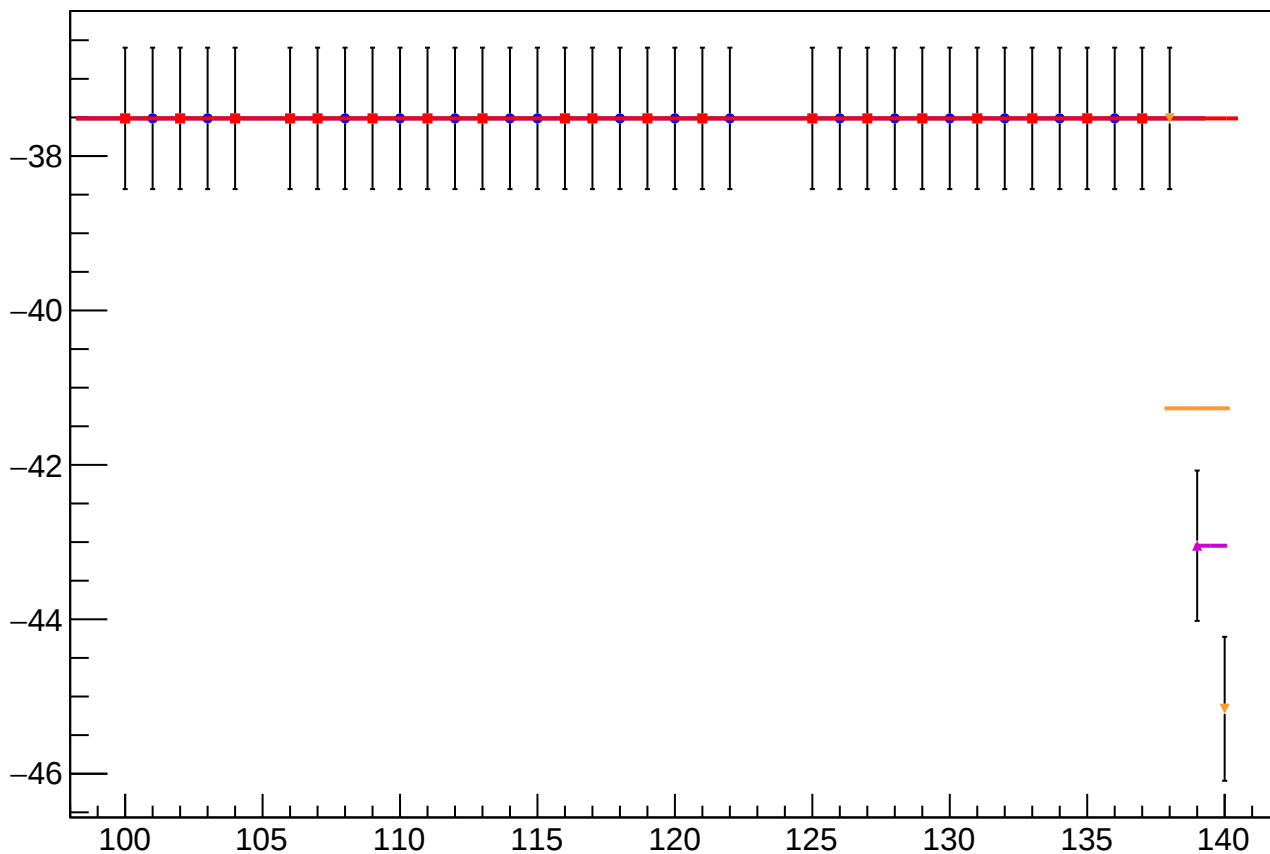
Right Out: -20.928 $\pm$ 0.016 χ^2 /NDF: 94015.9/18

Left In: -22.166 $\pm$ 0.037 χ^2 /NDF: 0.0/0

-20.977 $\pm$ 0.014 χ^2 /NDF: 57621.6/17

-21.118 $\pm$ 0.014 χ^2 /NDF: 94969.9/19

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -37.512 $\pm$ 0.229 χ^2 /NDF: 0.0/15

Left Out: -41.267 $\pm$ 0.653 χ^2 /NDF:34.2/1

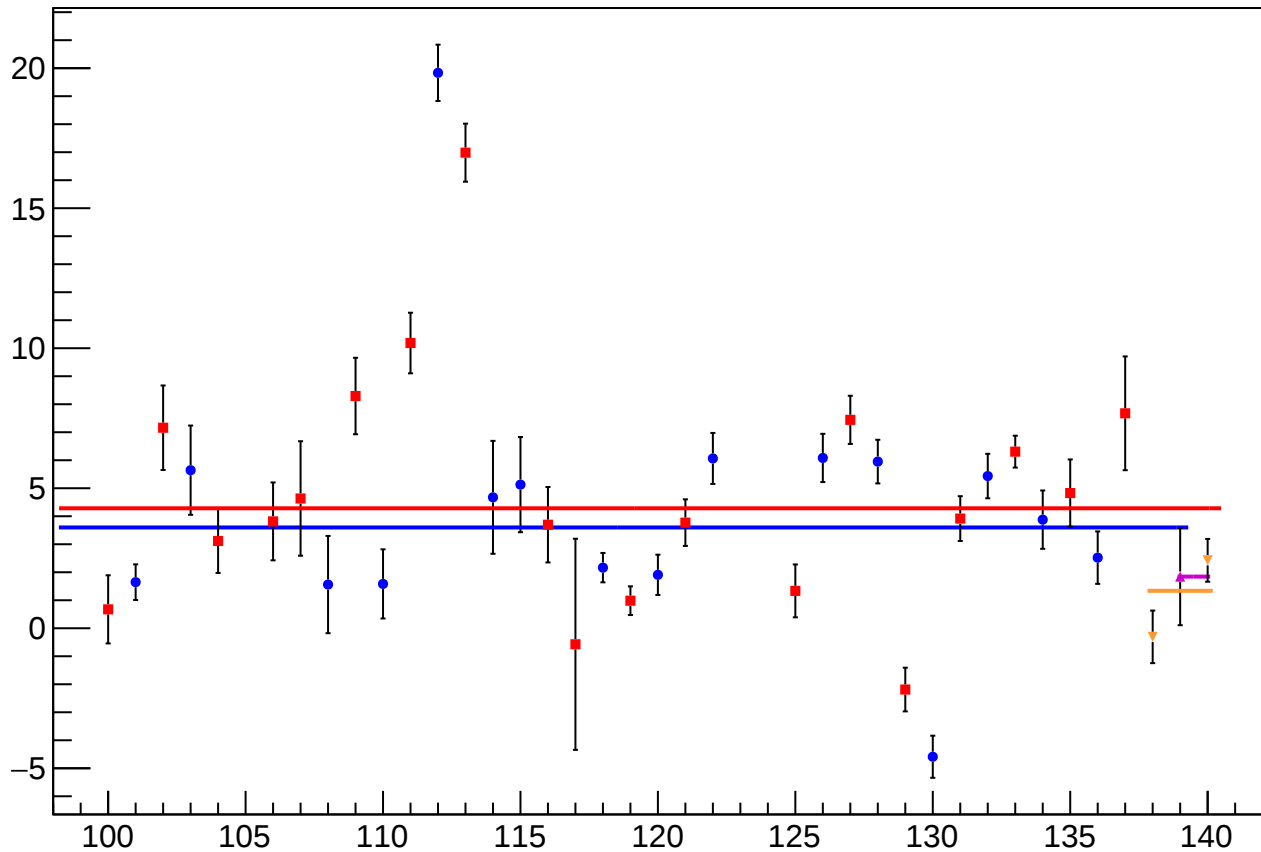
Right Out: -37.512 $\pm$ 0.210 χ^2 /NDF: 0.0/18

Left In: -43.047 $\pm$ 0.974 χ^2 /NDF:0.0/0

-37.923 $\pm$ 0.216 χ^2 /NDF: 63.6/17

-37.759 $\pm$ 0.205 χ^2 /NDF: 30.9/19

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.337 ± 0.592 χ^2/NDF : 5.1/1

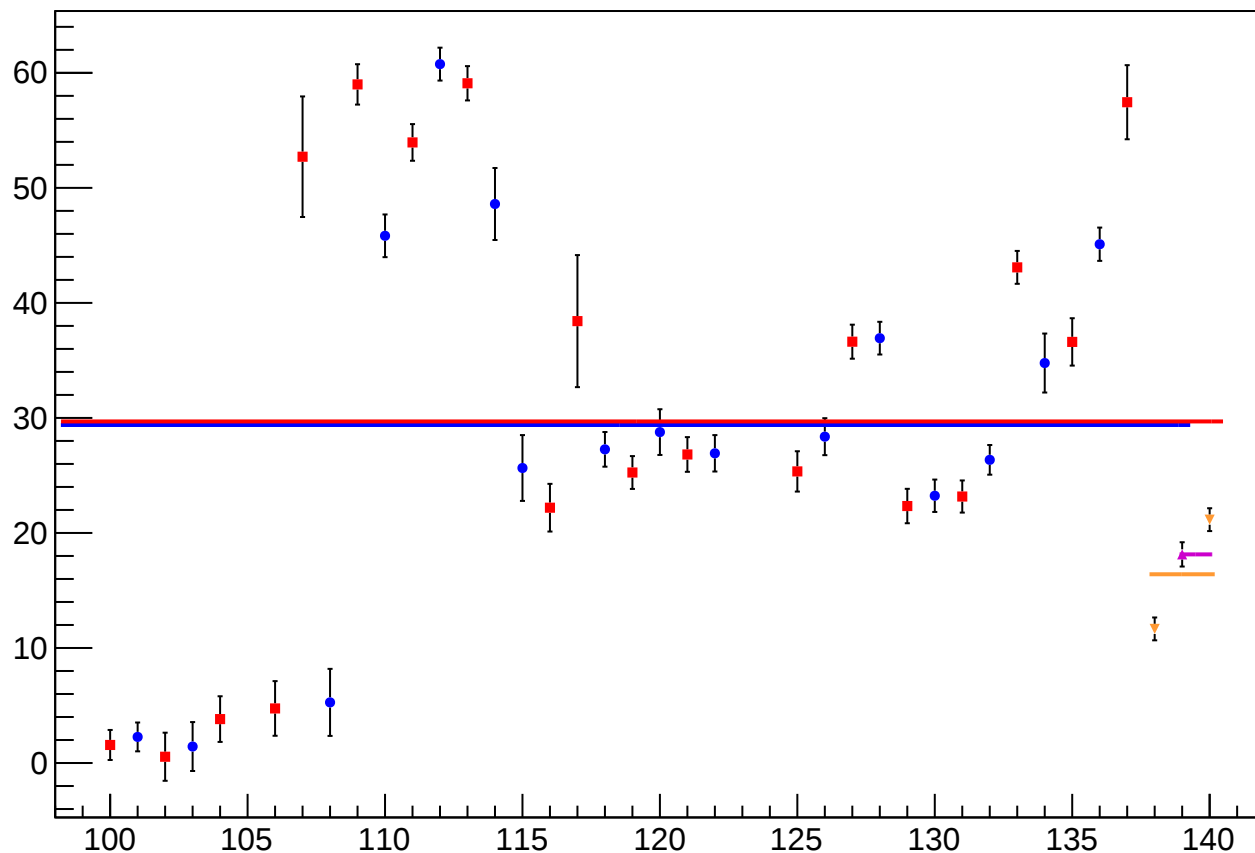
Right Out: 4.284 ± 0.221 χ^2/NDF : 353.8/18

Left In: 1.844 ± 1.735 χ^2/NDF : 0.0/0

3.325 ± 0.206 χ^2/NDF : 458.2/17

4.245 ± 0.219 χ^2/NDF : 355.7/19

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 16.409 $\pm$ 0.702 χ^2 /NDF:45.7/1

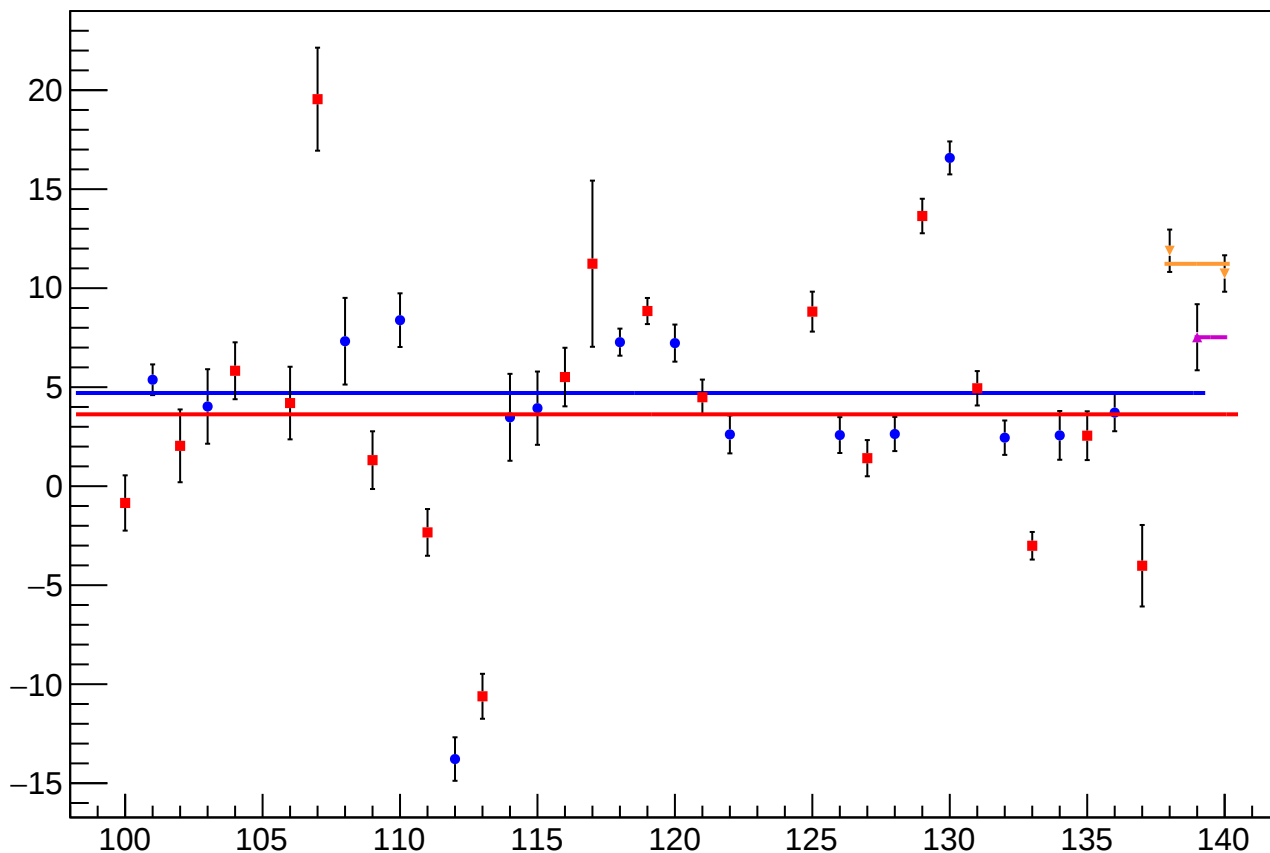
Right Out: 29.695 $\pm$ 0.401 χ^2 /NDF: 2133.3/18

Left In: 18.137 $\pm$ 1.056 χ^2 /NDF:0.0/0

25.976 $\pm$ 0.360 χ^2 /NDF: 1786.2/17

28.236 $\pm$ 0.375 χ^2 /NDF: 2238.0/19

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 11.230 ± 0.698 χ^2/NDF : 0.7/1

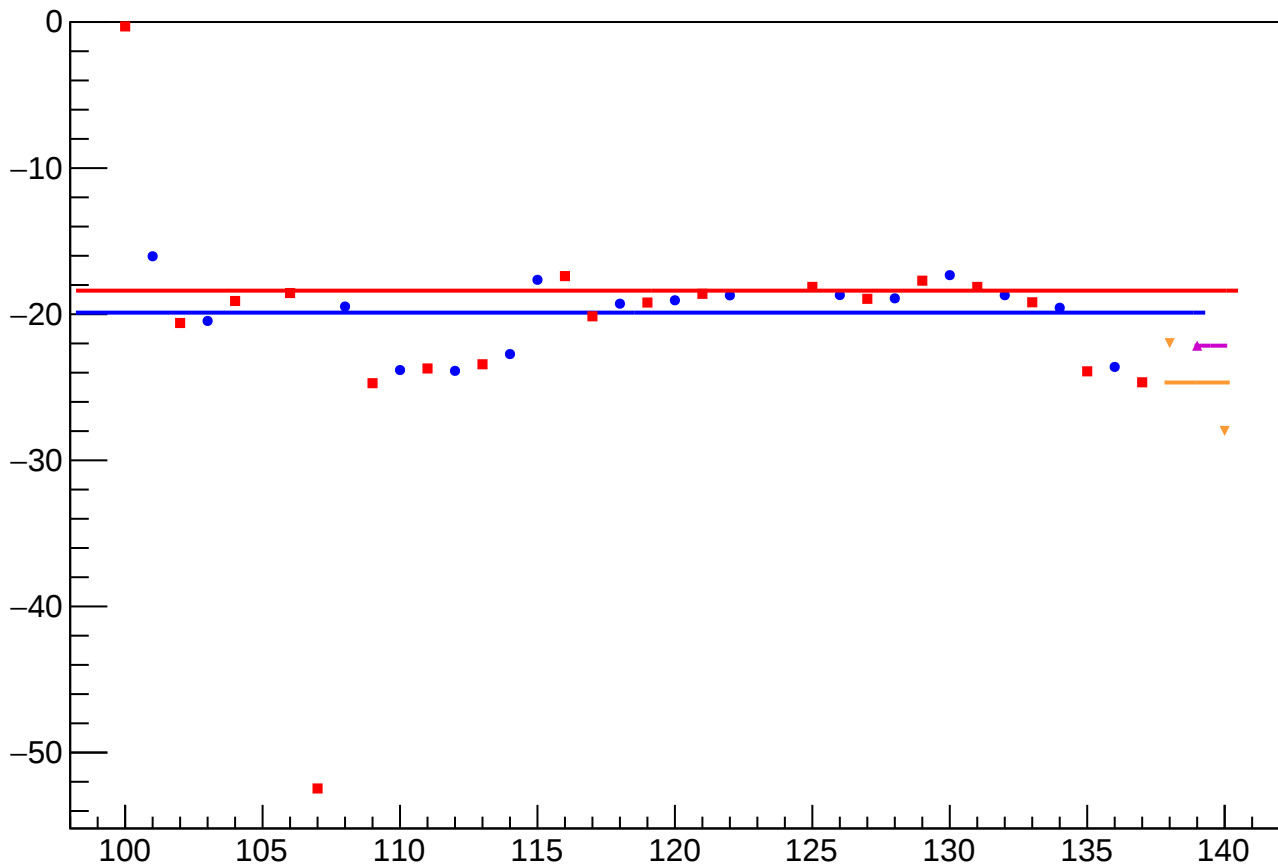
Right Out: 3.629 ± 0.254 χ^2/NDF : 576.7/18

Left In: 7.522 ± 1.669 χ^2/NDF : 0.0/0

5.469 ± 0.239 χ^2/NDF : 623.0/17

3.717 ± 0.251 χ^2/NDF : 582.1/19

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -24.673 ± 0.029 $\chi^2/\text{NDF}: 10600.7/1$

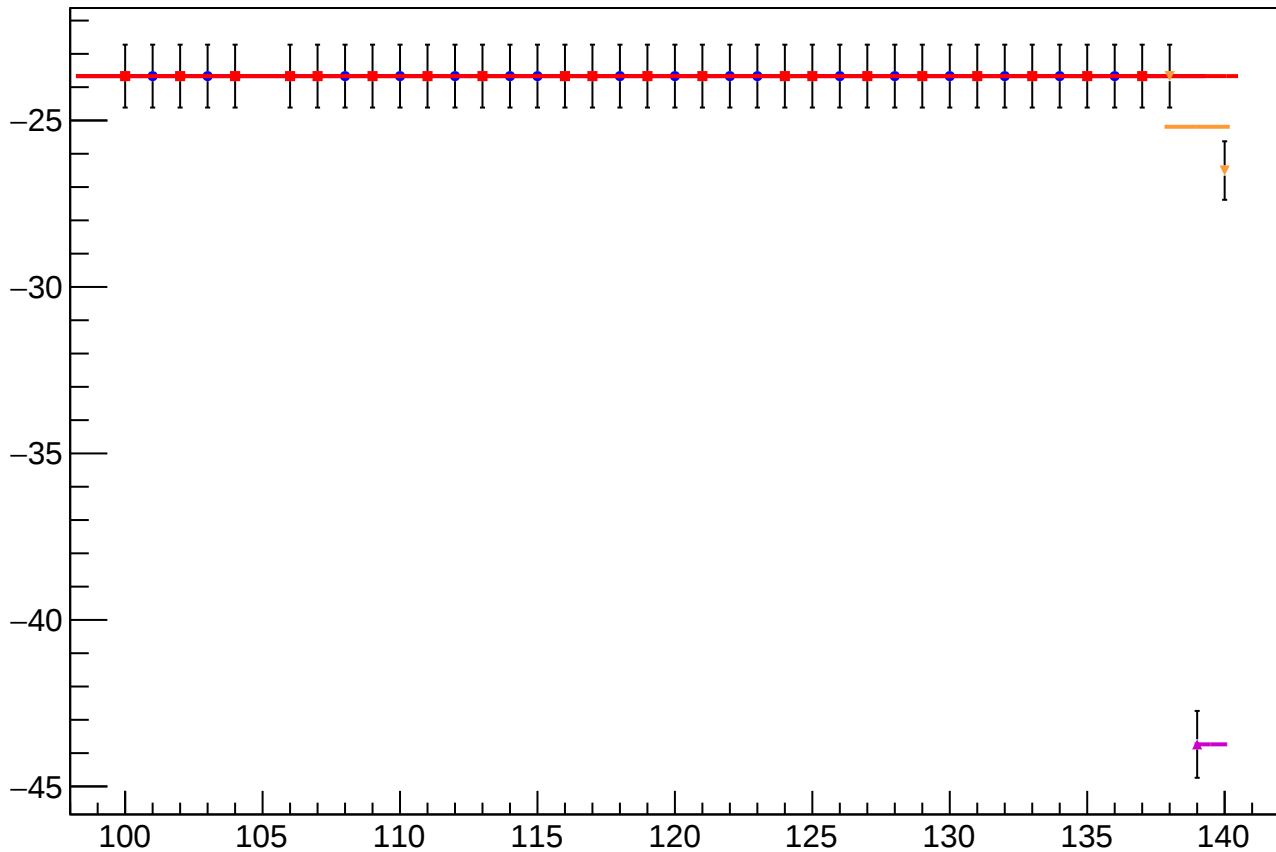
Right Out: -18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

Left In: -22.152 ± 0.037 $\chi^2/\text{NDF}: 0.0/0$

-20.966 ± 0.014 $\chi^2/\text{NDF}: 57685.7/17$

-18.904 ± 0.014 $\chi^2/\text{NDF}: 310055.7/19$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -23.668 ± 0.229 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -25.189 ± 0.643 $\chi^2/\text{NDF}: 4.8/1$

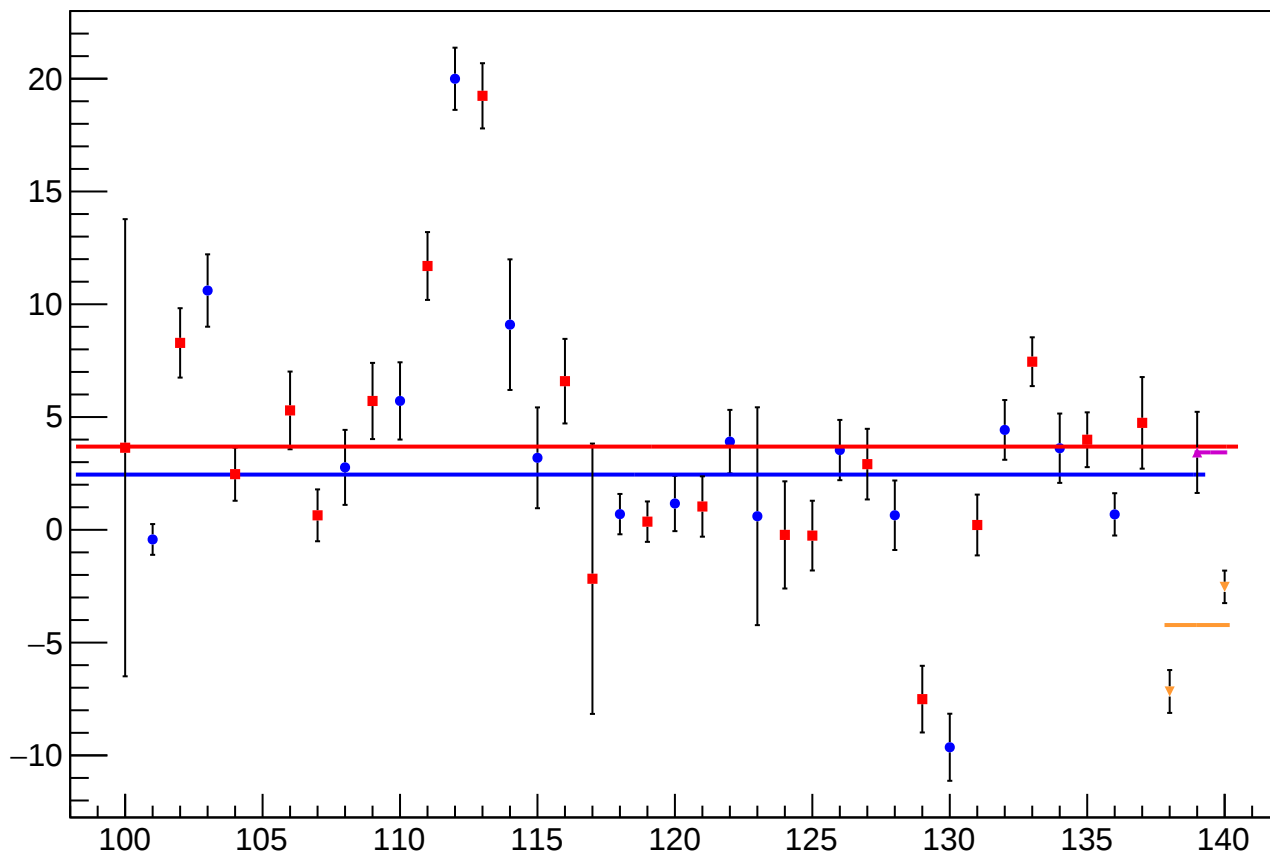
Right Out: -23.668 ± 0.211 $\chi^2/\text{NDF}: 0.0/19$

Left In: -43.737 ± 1.004 $\chi^2/\text{NDF}: 0.0/0$

-23.839 ± 0.216 $\chi^2/\text{NDF}: 9.8/18$

-24.518 ± 0.207 $\chi^2/\text{NDF}: 382.3/20$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: -4.221 ± 0.574 χ^2/NDF : 15.1/1

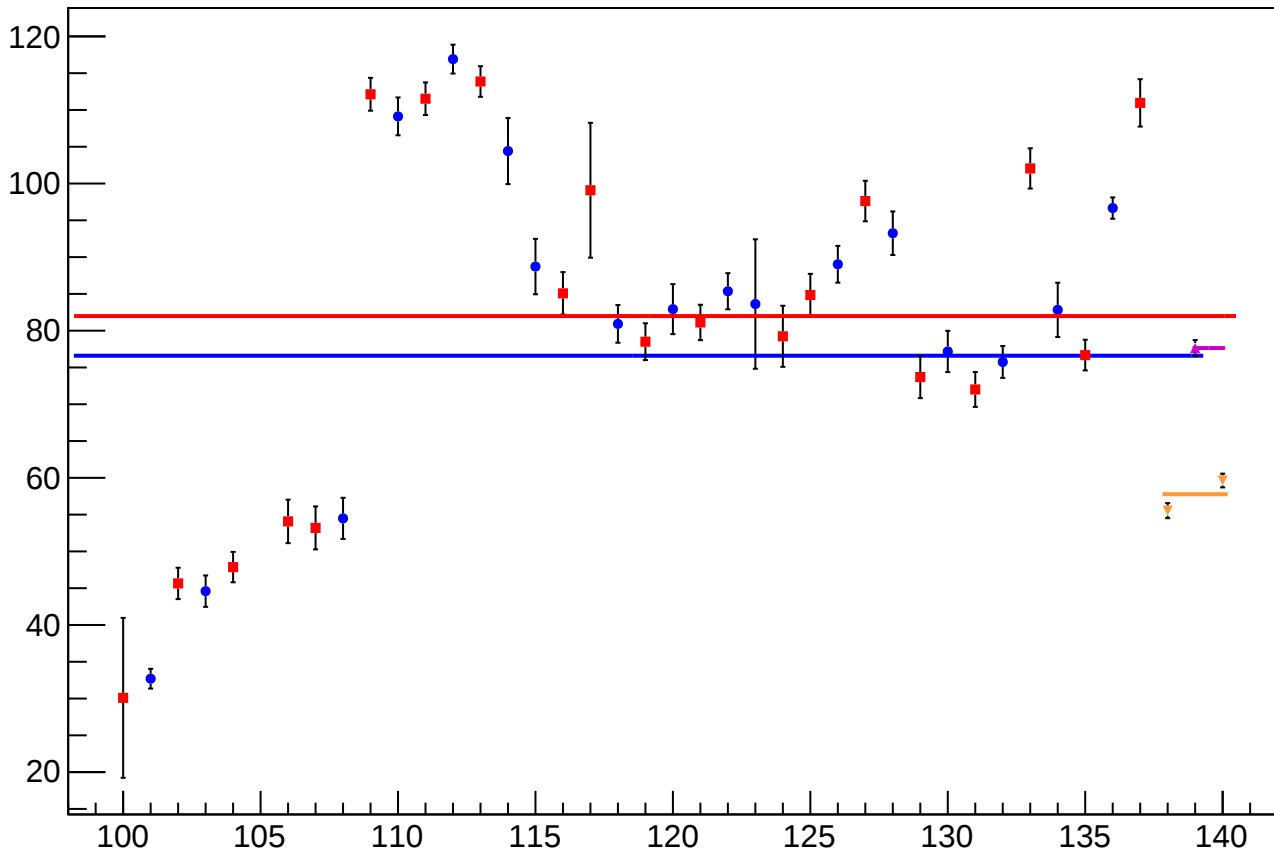
Right Out: 3.690 ± 0.326 χ^2/NDF : 270.4/19

Left In: 3.433 ± 1.799 χ^2/NDF : 0.0/0

0.910 ± 0.276 χ^2/NDF : 414.3/18

3.682 ± 0.321 χ^2/NDF : 270.4/20

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 57.773 $\pm$ 0.691 χ^2 /NDF: 8.7/1

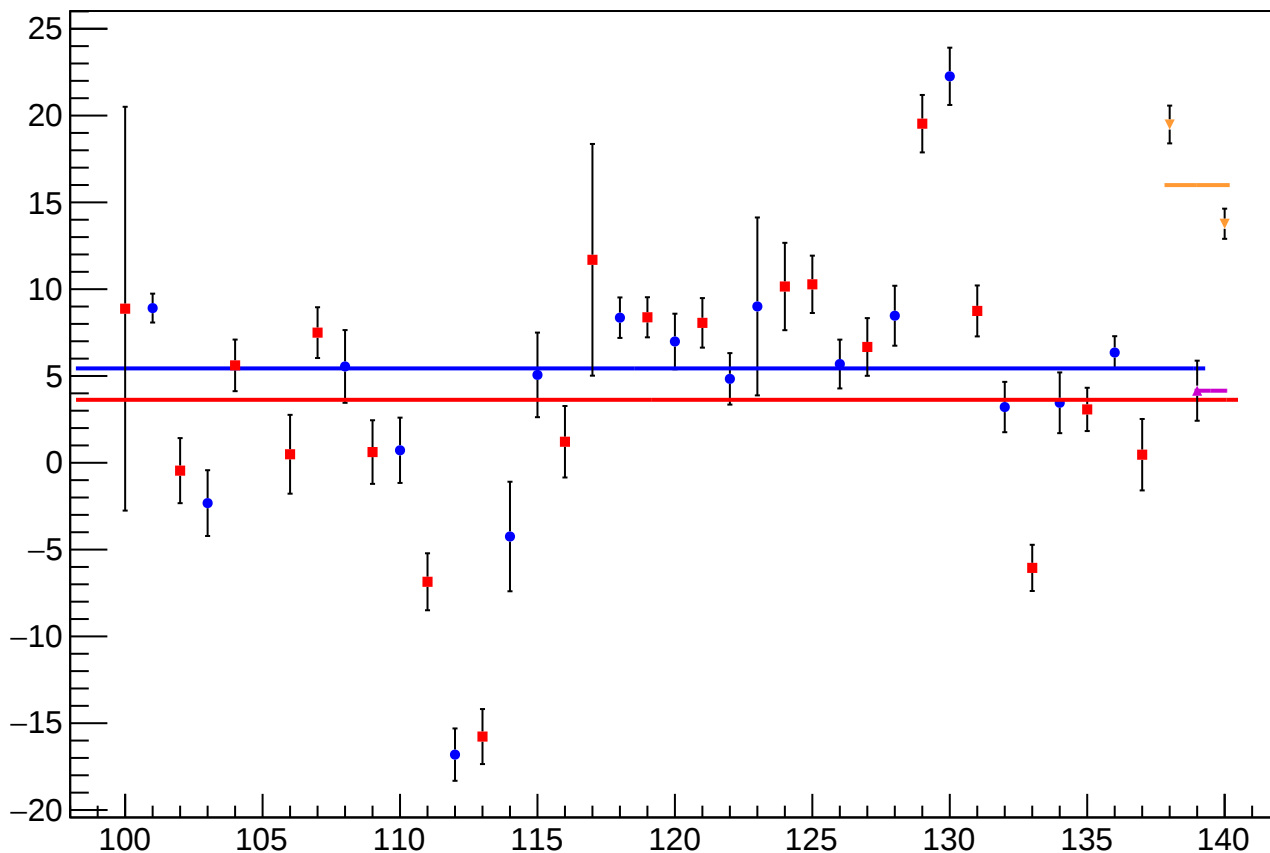
Right Out: 81.987 $\pm$ 0.591 χ^2 /NDF: 1574.2/19

Left In: 77.639 $\pm$ 1.088 χ^2 /NDF: 0.0/0

68.873 $\pm$ 0.442 χ^2 /NDF: 2702.0/18

80.998 $\pm$ 0.519 χ^2 /NDF: 1586.6/20

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436+/-0.360 χ^2/NDF : 387.2/16

Left Out: 15.995+/-0.679 χ^2/NDF : 16.9/1

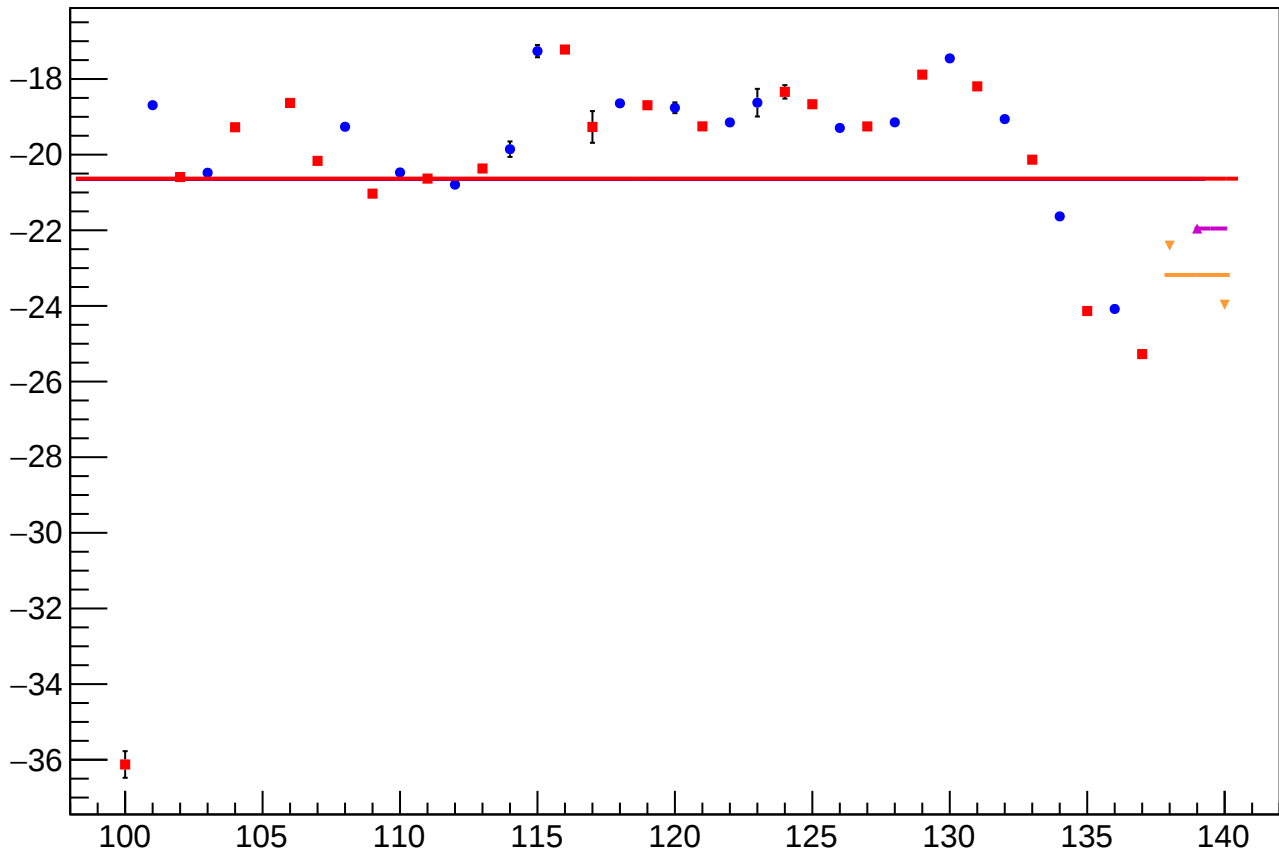
Right Out: 3.628+/-0.374 χ^2/NDF : 424.8/19

Left In: 4.152+/-1.731 χ^2/NDF : 0.0/0

7.757+/-0.318 χ^2/NDF : 592.8/18

3.651+/-0.366 χ^2/NDF : 424.8/20

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 $\pm$ 0.019 χ^2 /NDF: 12431.5/16

Left Out: -23.181 $\pm$ 0.029 χ^2 /NDF: 736.8/1

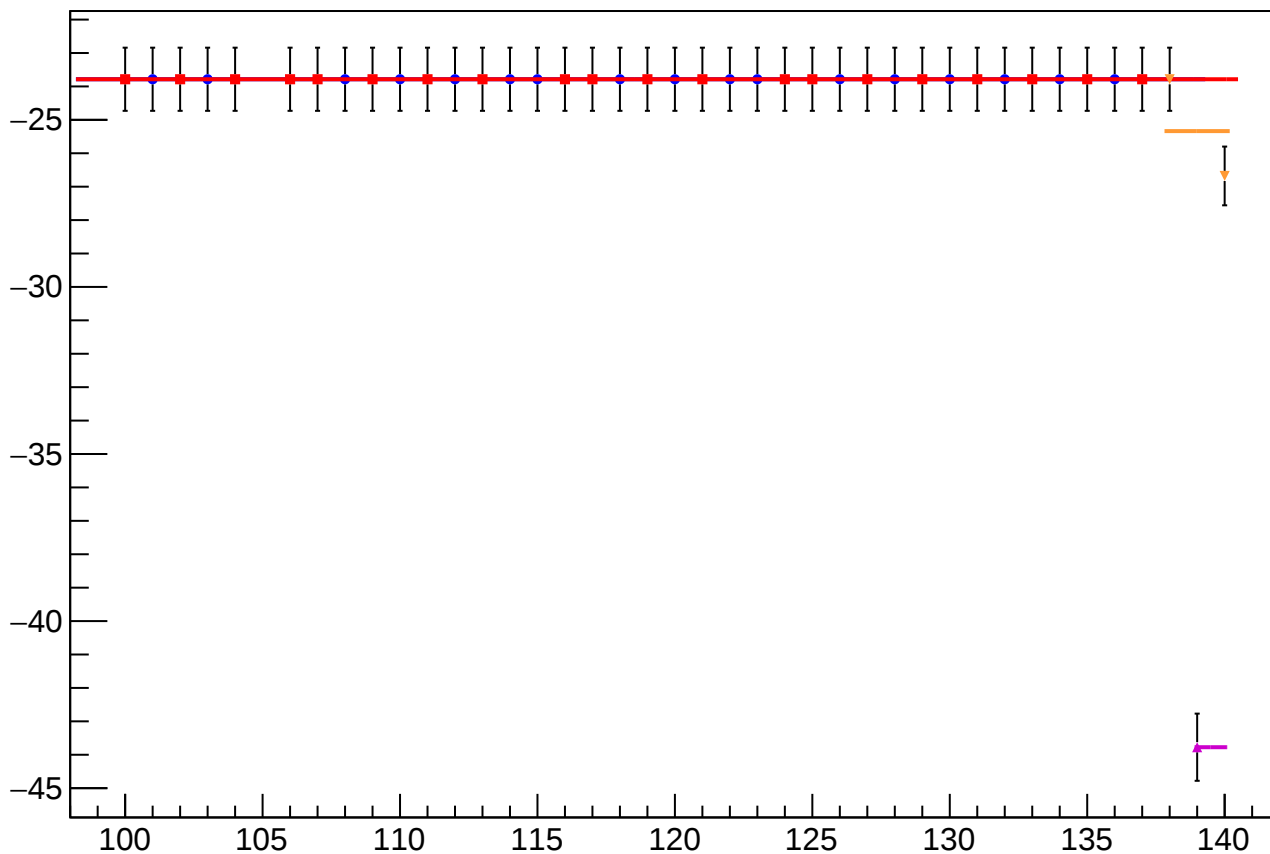
Right Out: -20.635 $\pm$ 0.019 χ^2 /NDF: 13794.0/19

Left In: -21.953 $\pm$ 0.038 χ^2 /NDF: 0.0/0

-21.433 $\pm$ 0.016 χ^2 /NDF: 18538.2/18

-20.906 $\pm$ 0.017 χ^2 /NDF: 14739.0/20

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -23.785 ± 0.229 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -25.337 ± 0.644 $\chi^2/\text{NDF}: 5.0/1$

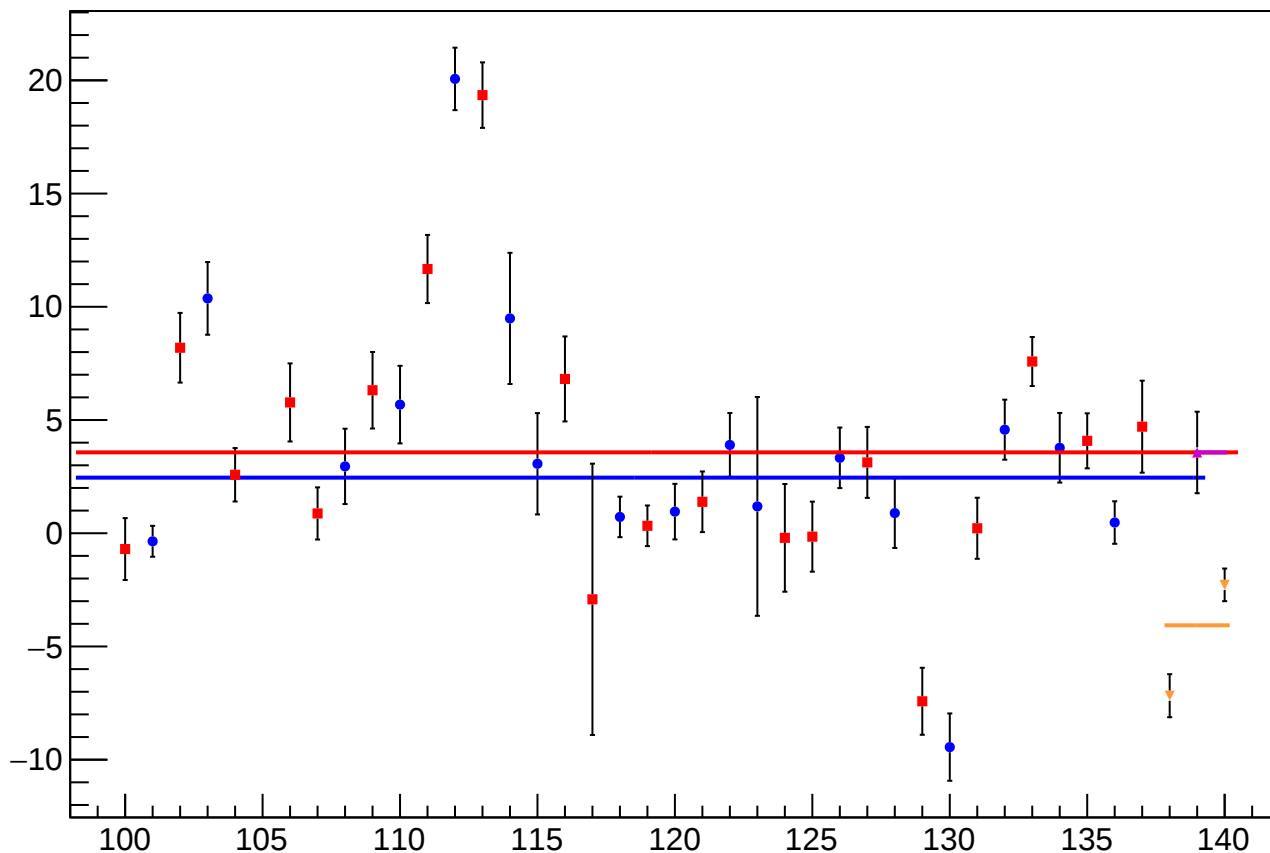
Right Out: -23.785 ± 0.211 $\chi^2/\text{NDF}: 0.0/19$

Left In: -43.774 ± 1.005 $\chi^2/\text{NDF}: 0.0/0$

-23.960 ± 0.216 $\chi^2/\text{NDF}: 10.2/18$

-24.631 ± 0.207 $\chi^2/\text{NDF}: 378.8/20$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455+/-0.315 χ^2/NDF : 293.5/16

Left Out: -4.066+/-0.575 χ^2/NDF : 16.8/1

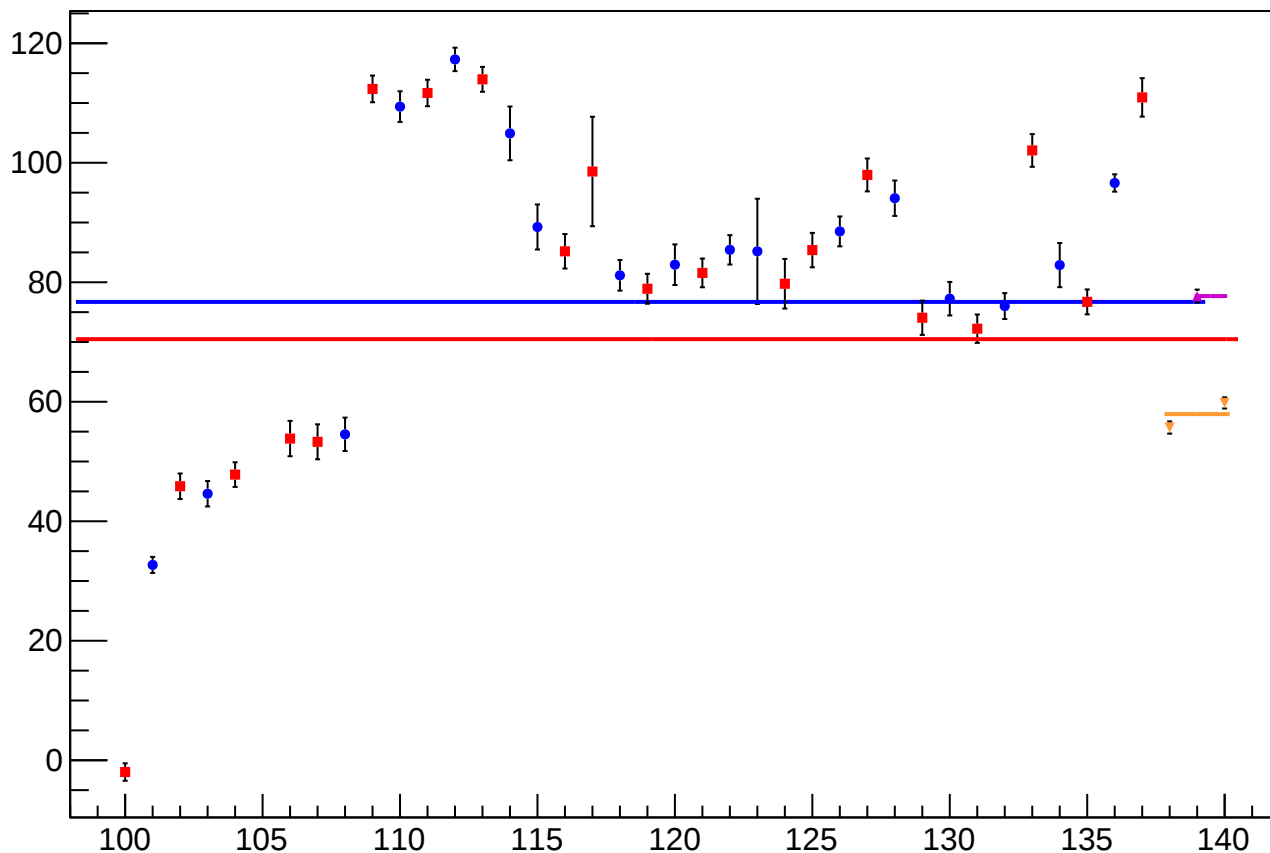
Right Out: 3.571+/-0.317 χ^2/NDF : 281.0/19

Left In: 3.567+/-1.800 χ^2/NDF : 0.0/0

0.951+/-0.276 χ^2/NDF : 409.4/18

3.571+/-0.312 χ^2/NDF : 281.0/20

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 57.934+/-0.691 χ^2/NDF : 8.8/1

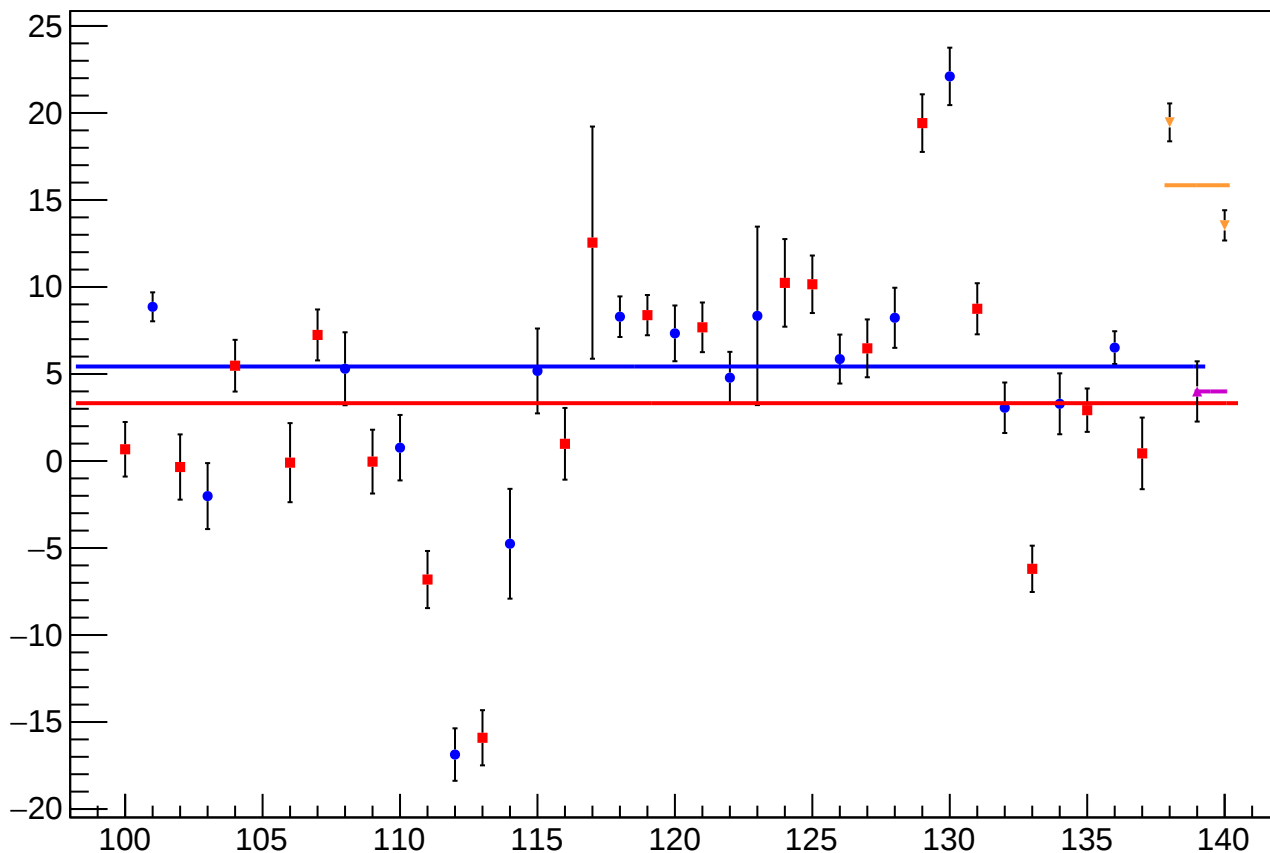
Right Out: 70.477+/-0.549 χ^2/NDF : 4400.1/19

Left In: 77.688+/-1.089 χ^2/NDF : 0.0/0

69.009+/-0.443 χ^2/NDF : 2711.0/18

71.937+/-0.490 χ^2/NDF : 4435.0/20

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 15.847 ± 0.679 χ^2/NDF : 18.0/1

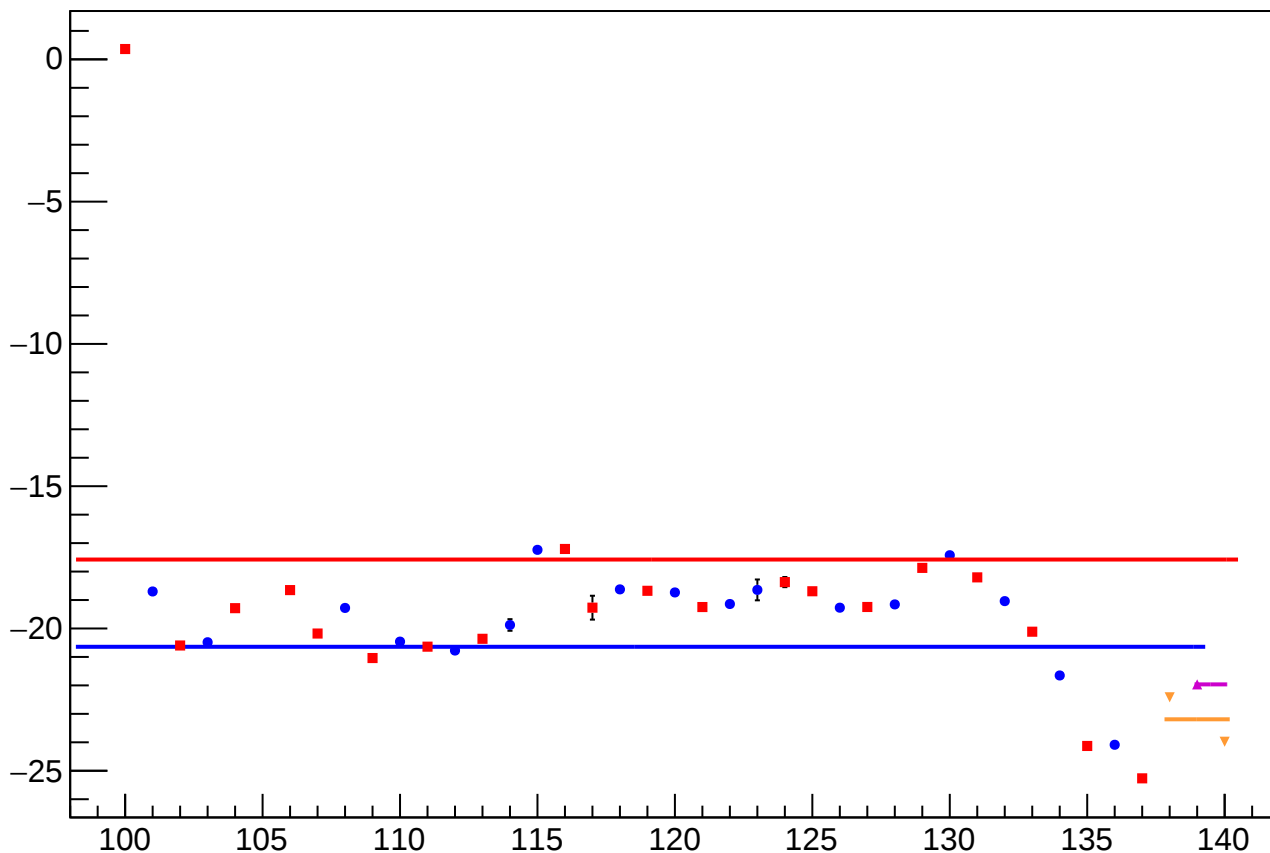
Right Out: 3.323 ± 0.365 χ^2/NDF : 428.0/19

Left In: 3.997 ± 1.732 χ^2/NDF : 0.0/0

7.719 ± 0.318 χ^2/NDF : 587.3/18

3.351 ± 0.357 χ^2/NDF : 428.2/20

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -23.192 ± 0.029 $\chi^2/\text{NDF}: 736.6/1$

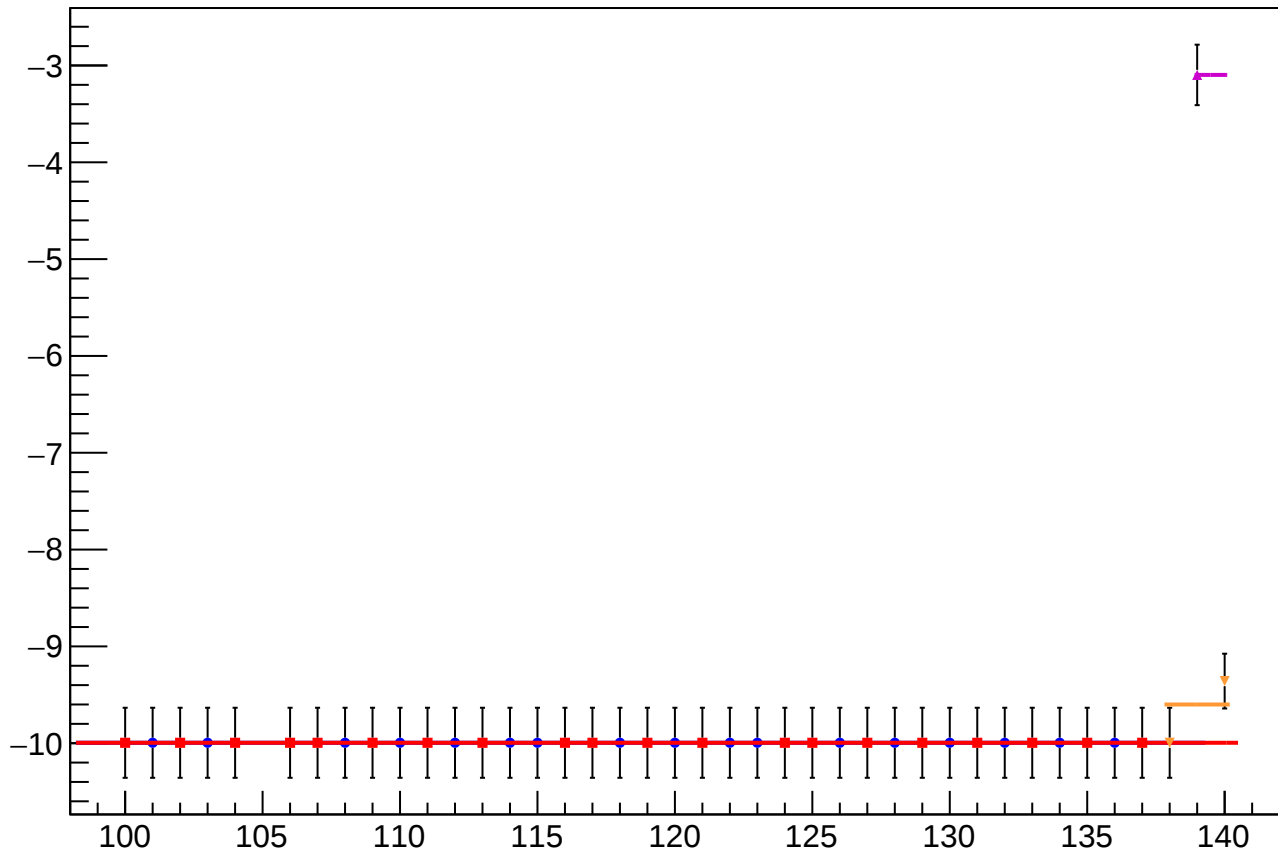
Right Out: -17.577 ± 0.018 $\chi^2/\text{NDF}: 178343.3/19$

Left In: -21.965 ± 0.038 $\chi^2/\text{NDF}: 0.0/0$

-21.437 ± 0.016 $\chi^2/\text{NDF}: 18609.2/18$

-18.374 ± 0.016 $\chi^2/\text{NDF}: 189116.9/20$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -9.995 ± 0.088 χ^2/NDF : 0.0/16

Left Out: -9.600 ± 0.223 χ^2/NDF : 1.9/1

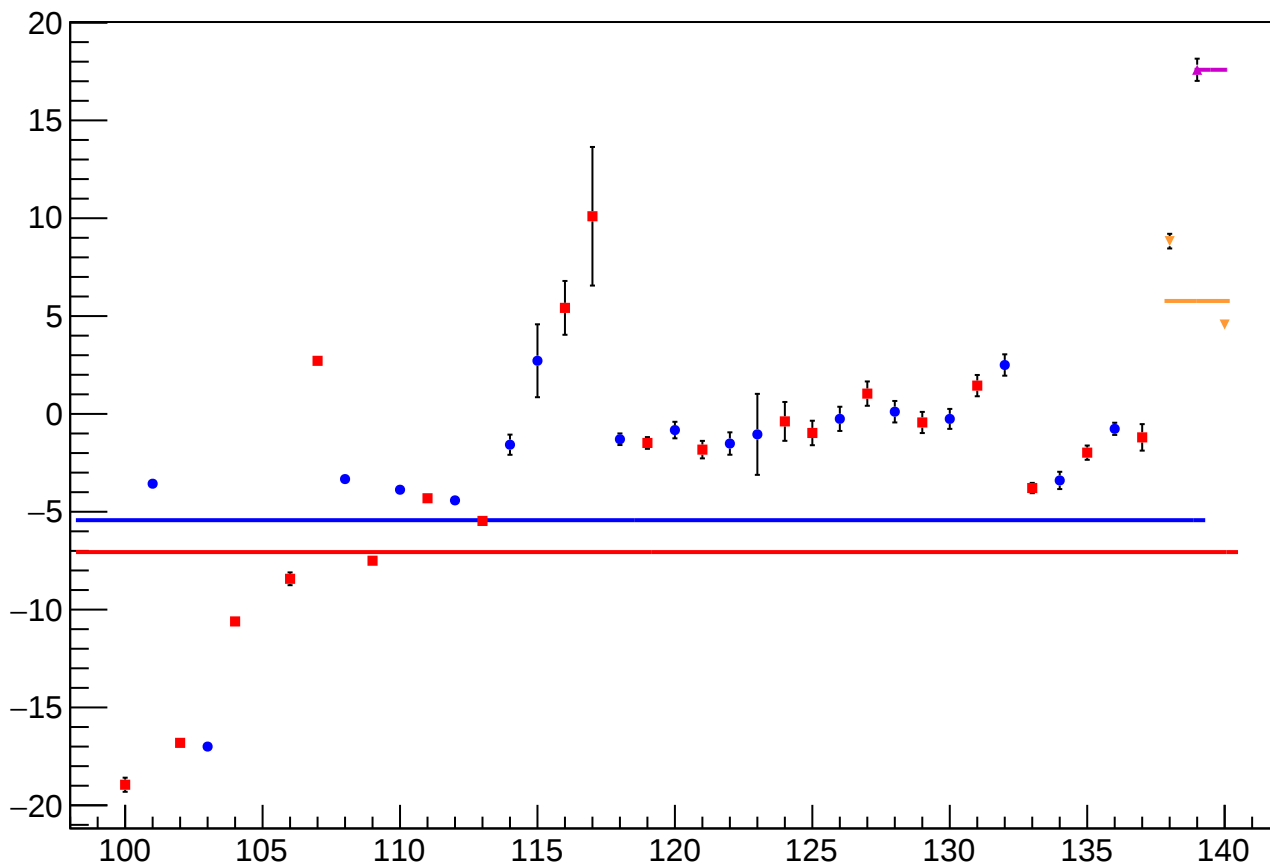
Right Out: -9.995 ± 0.081 χ^2/NDF : 0.0/19

Left In: -3.097 ± 0.312 χ^2/NDF : 0.0/0

-9.942 ± 0.082 χ^2/NDF : 4.6/18

-9.562 ± 0.078 χ^2/NDF : 457.1/20

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 5.773 ± 0.199 χ^2/NDF : 92.9/1

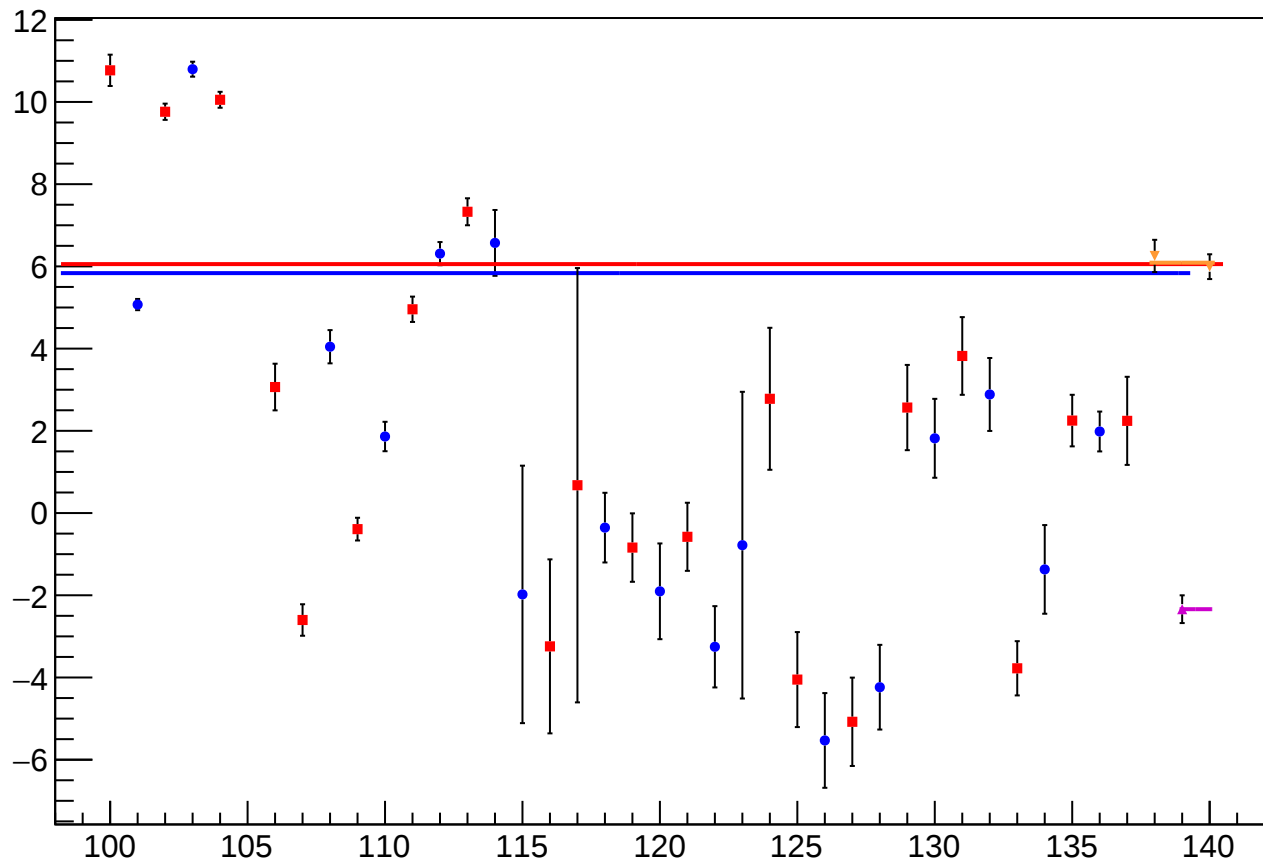
Right Out: -7.061 ± 0.059 χ^2/NDF : 12330.1/19

Left In: 17.586 ± 0.568 χ^2/NDF : 0.0/0

-4.640 ± 0.053 χ^2/NDF : 12269.7/18

-6.797 ± 0.059 χ^2/NDF : 14195.9/20

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836+/-0.090 χ^2/NDF : 1440.9/16

Left Out: 6.090+/-0.239 χ^2/NDF : 0.3/1

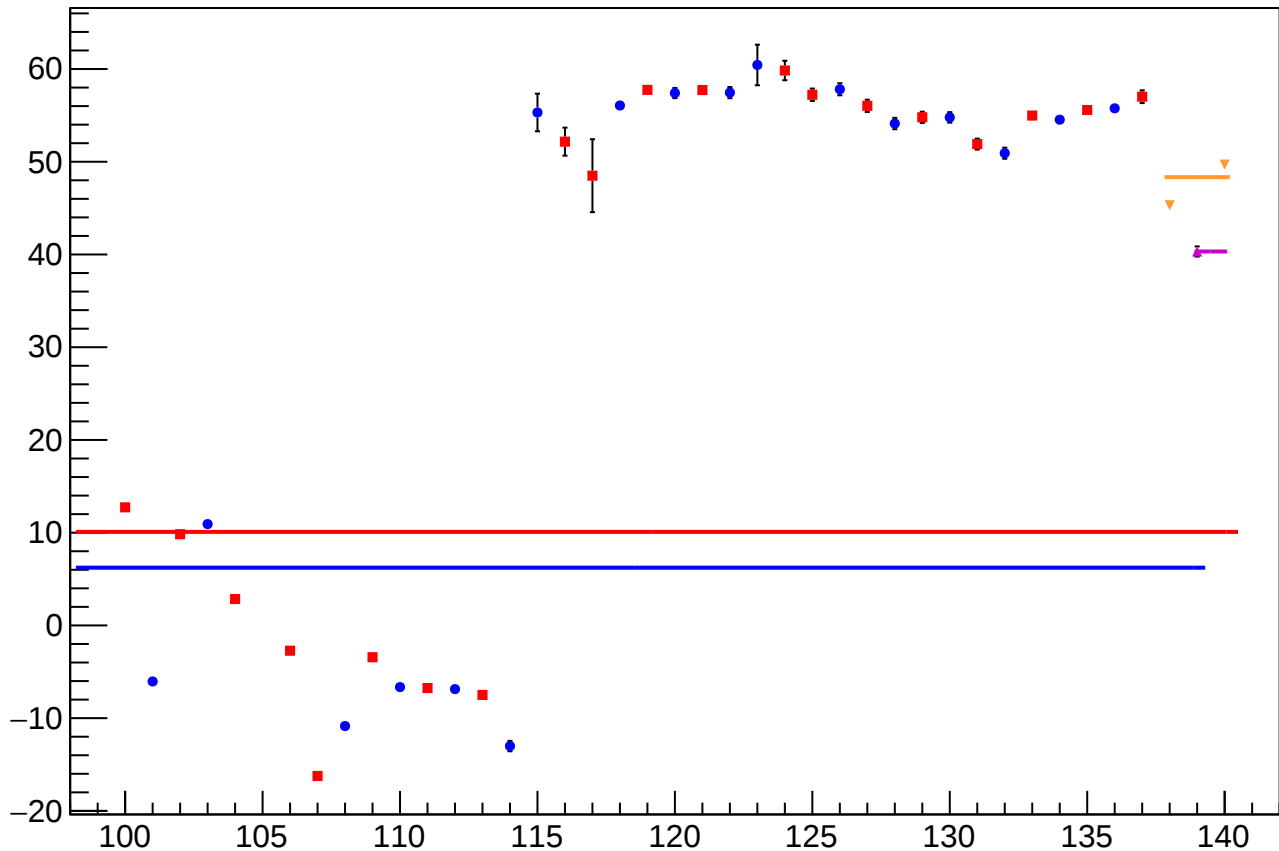
Right Out: 6.056+/-0.093 χ^2/NDF : 2669.9/19

Left In: -2.339+/-0.337 χ^2/NDF : 0.0/0

5.868+/-0.084 χ^2/NDF : 1442.1/18

5.459+/-0.090 χ^2/NDF : 3244.7/20

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 48.341 ± 0.236 χ^2/NDF : 73.8/1

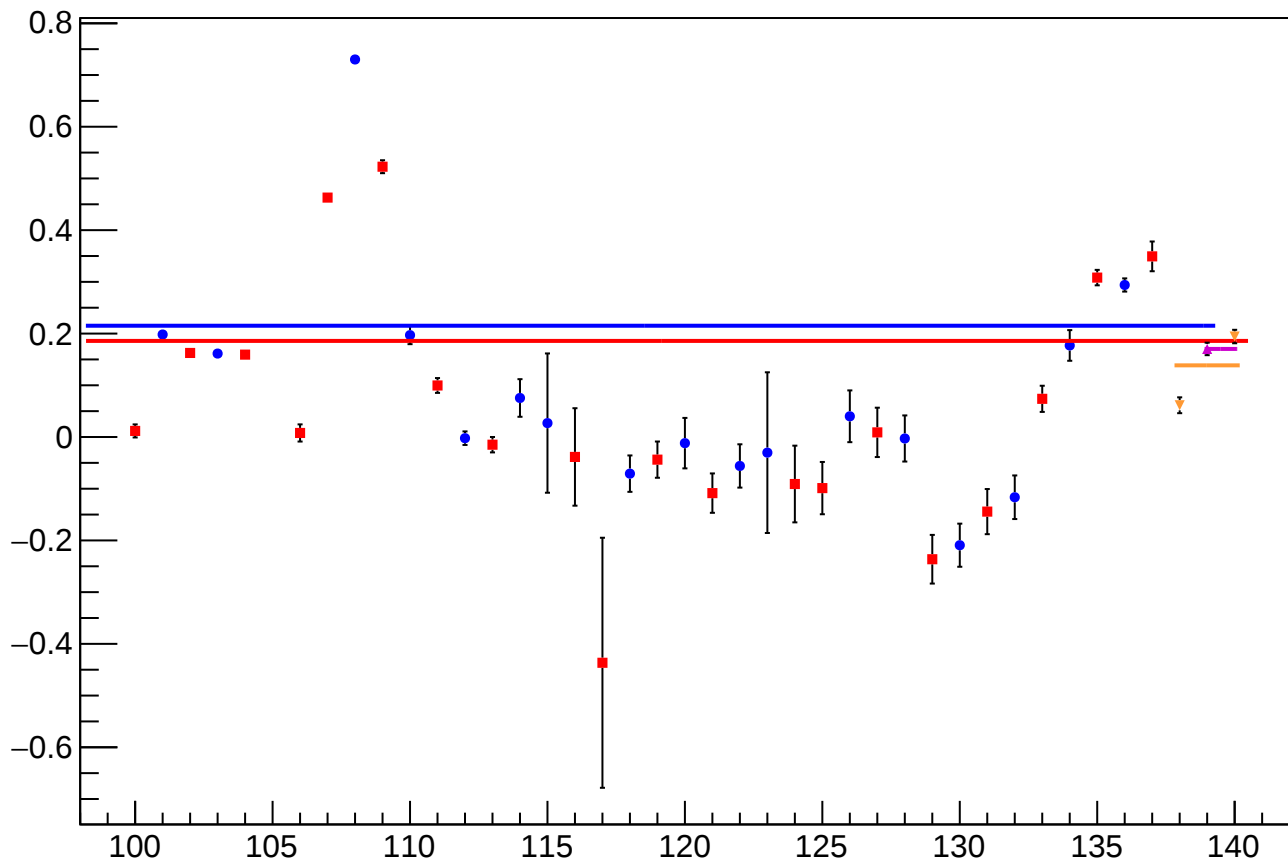
Right Out: 10.087 ± 0.070 χ^2/NDF : 122144.7/19

Left In: 40.323 ± 0.547 χ^2/NDF : 0.0/0

9.191 ± 0.063 χ^2/NDF : 150733.9/18

10.571 ± 0.069 χ^2/NDF : 125152.5/20

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215+/-0.003 χ^2/NDF : 3925.9/16

Left Out: 0.139+/-0.010 χ^2/NDF : 43.7/1

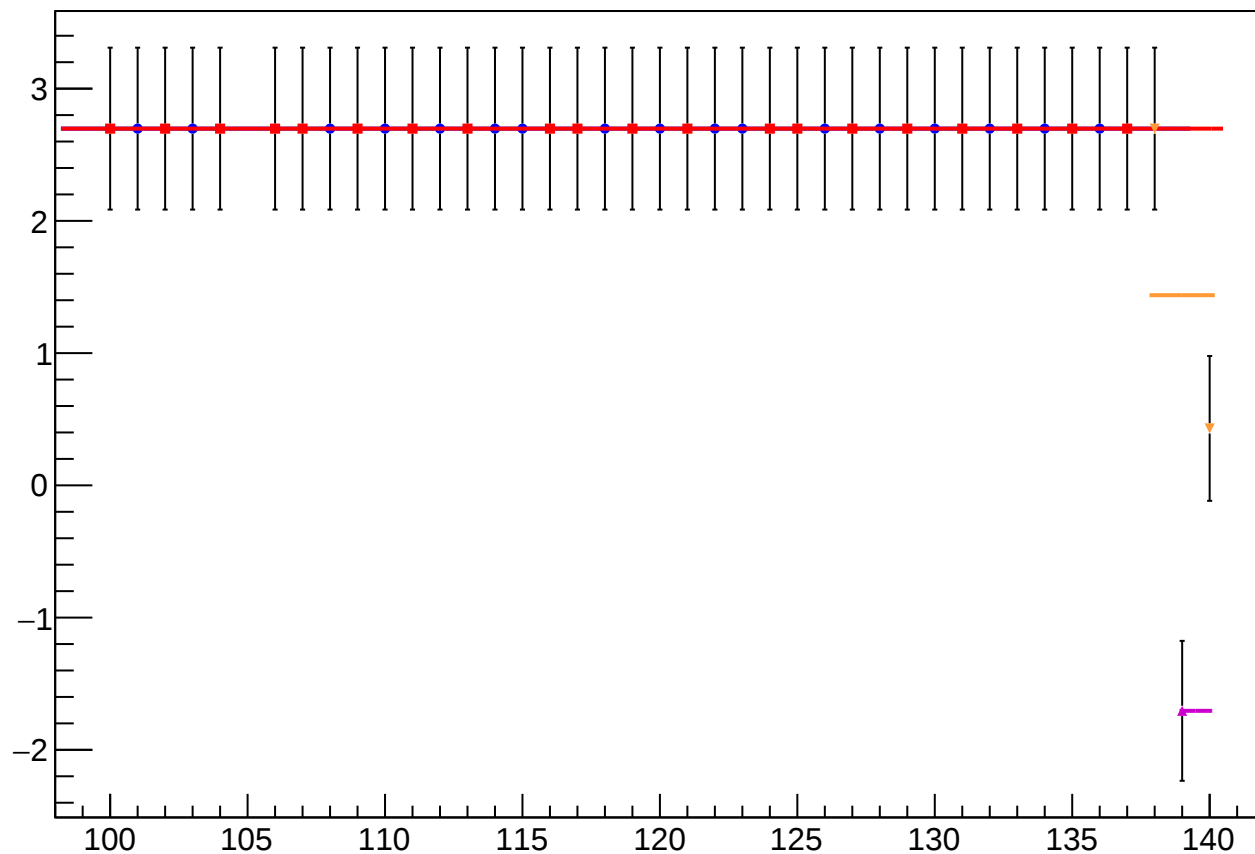
Right Out: 0.186+/-0.003 χ^2/NDF : 2724.7/19

Left In: 0.170+/-0.012 χ^2/NDF : 0.0/0

0.210+/-0.003 χ^2/NDF : 4025.0/18

0.185+/-0.003 χ^2/NDF : 2726.3/20

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: 2.698 $\pm$ 0.148 χ^2 /NDF: 0.0/16

Left Out: 1.438 $\pm$ 0.408 χ^2 /NDF: 7.6/1

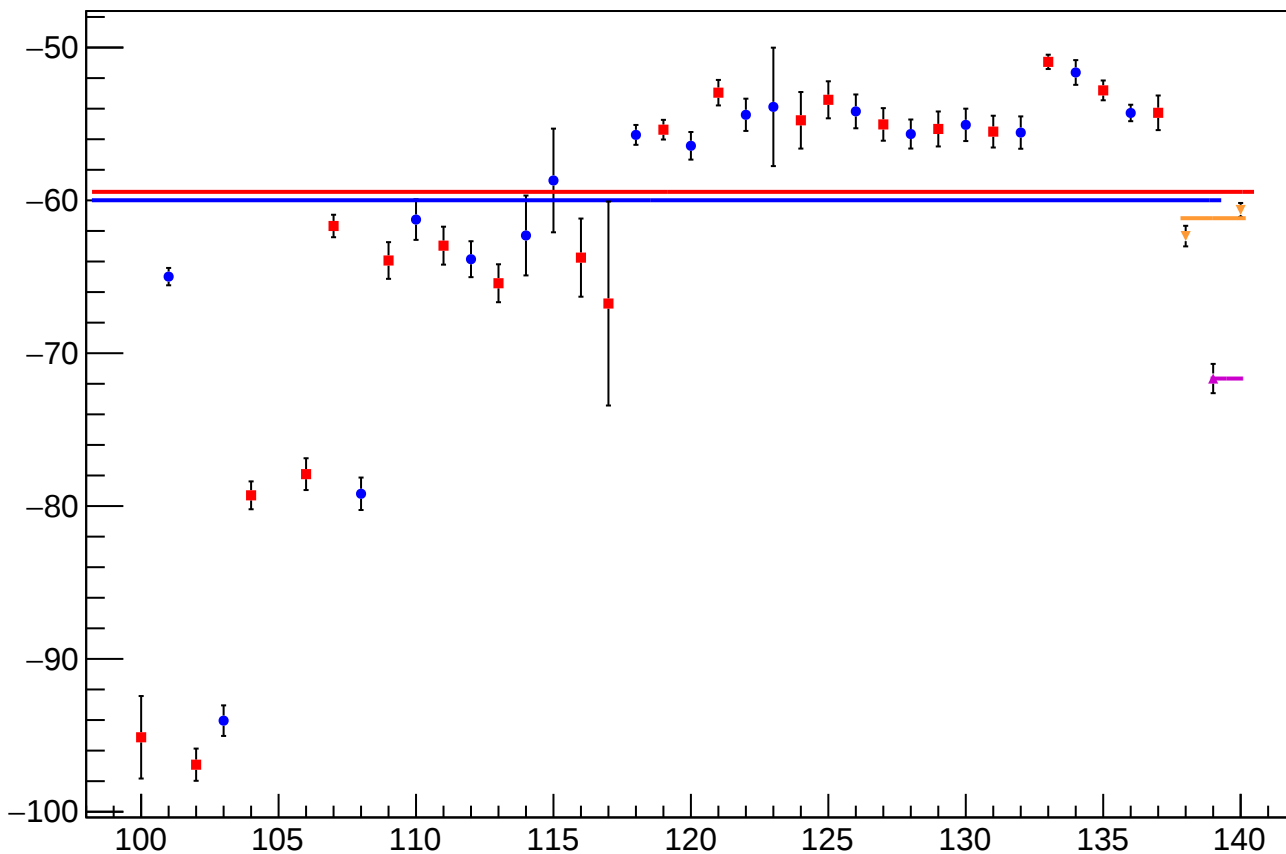
Right Out: 2.698 $\pm$ 0.137 χ^2 /NDF: 0.0/19

Left In: -1.705 $\pm$ 0.529 χ^2 /NDF: 0.0/0

2.550 $\pm$ 0.140 χ^2 /NDF: 16.0/18

2.421 $\pm$ 0.133 χ^2 /NDF: 64.9/20

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -61.167 ± 0.378 χ^2/NDF : 4.4/1

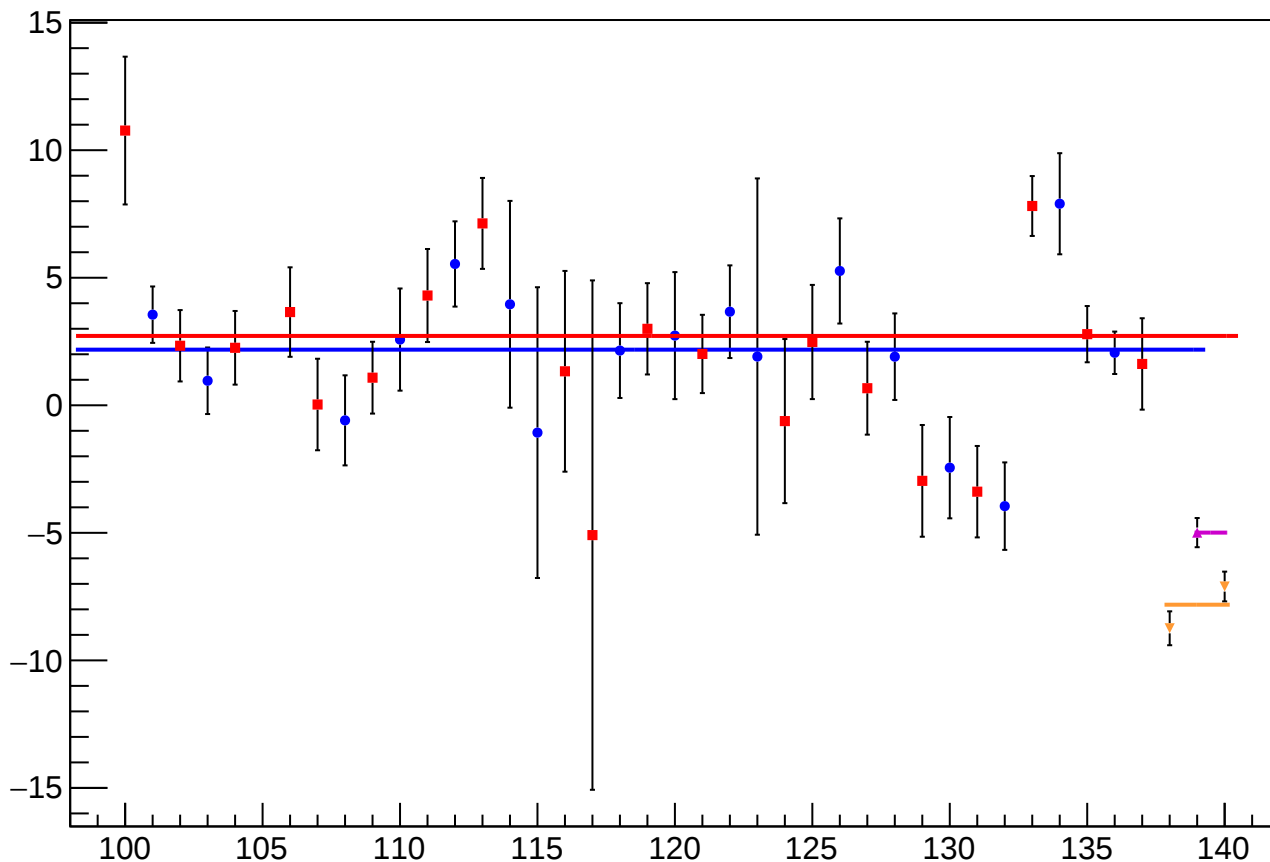
Right Out: -59.442 ± 0.212 χ^2/NDF : 2919.1/19

Left In: -71.657 ± 0.957 χ^2/NDF : 0.0/0

-60.299 ± 0.193 χ^2/NDF : 1984.5/18

-60.012 ± 0.207 χ^2/NDF : 3074.2/20

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 χ^2/NDF : 39.0/16

Left Out: -7.817 ± 0.438 χ^2/NDF : 3.4/1

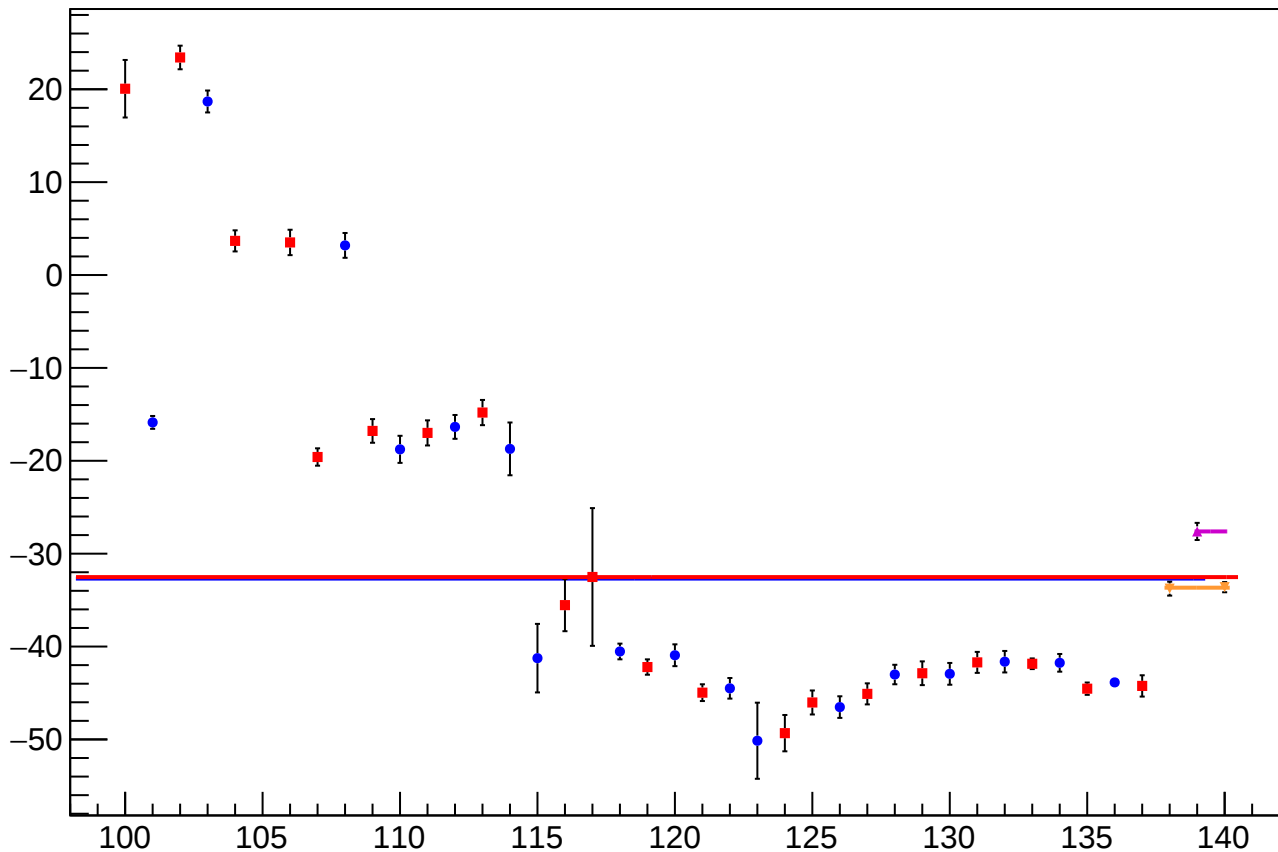
Right Out: 2.719 ± 0.388 χ^2/NDF : 59.5/19

Left In: -4.991 ± 0.572 χ^2/NDF : 0.0/0

-2.431 ± 0.298 χ^2/NDF : 322.7/18

0.293 ± 0.321 χ^2/NDF : 184.0/20

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -33.662 ± 0.443 $\chi^2/\text{NDF}: 0.0/1$

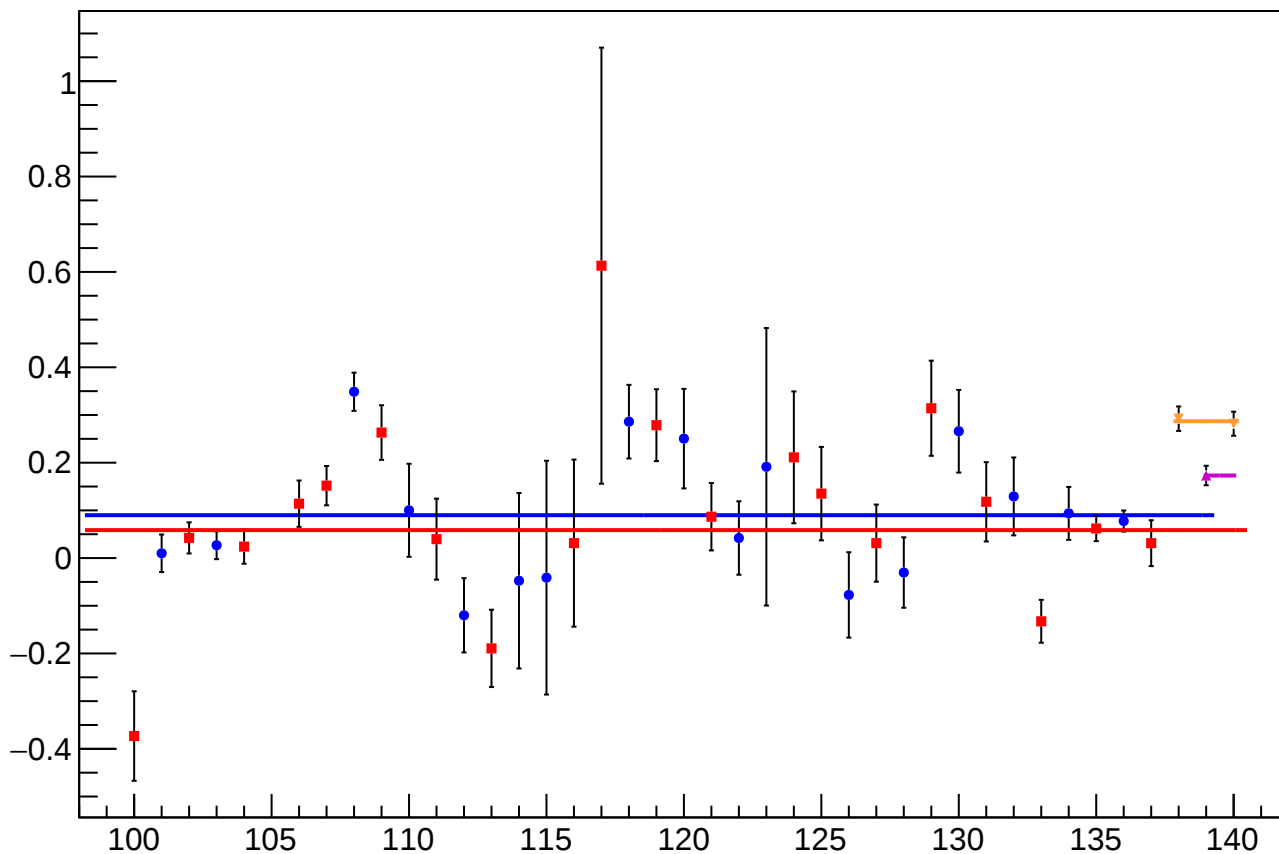
Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

Left In: -27.607 ± 0.922 $\chi^2/\text{NDF}: 0.0/0$

-32.927 ± 0.222 $\chi^2/\text{NDF}: 4650.6/18$

-32.202 ± 0.236 $\chi^2/\text{NDF}: 6071.9/20$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.287 $\pm$ 0.018 χ^2 /NDF: 0.1/1

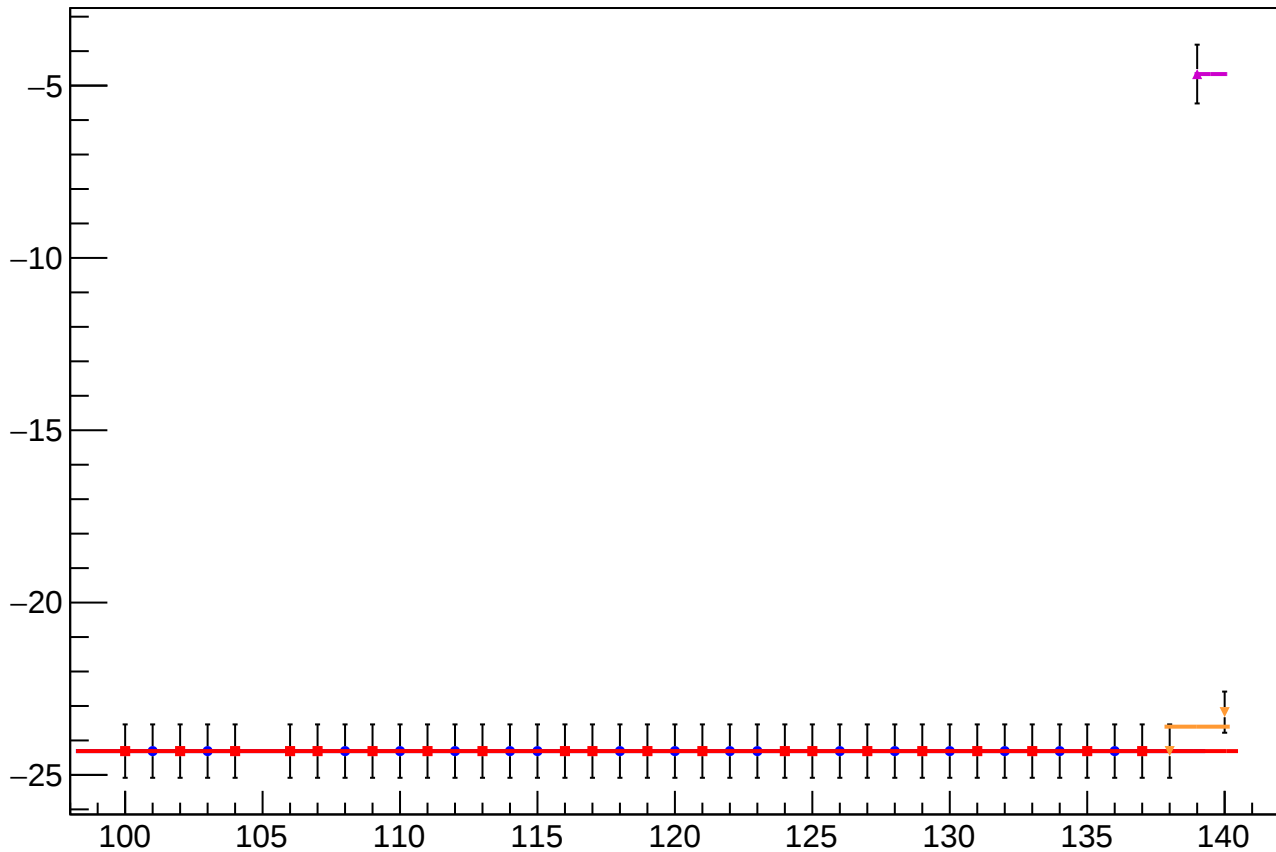
Right Out: 0.059 $\pm$ 0.012 χ^2 /NDF: 88.6/19

Left In: 0.173 $\pm$ 0.020 χ^2 /NDF: 0.0/0

0.156 $\pm$ 0.010 χ^2 /NDF: 158.7/18

0.089 $\pm$ 0.010 χ^2 /NDF: 111.8/20

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -24.309 ± 0.188 χ^2/NDF : 0.0/16

Left Out: -23.600 ± 0.473 χ^2/NDF : 1.3/1

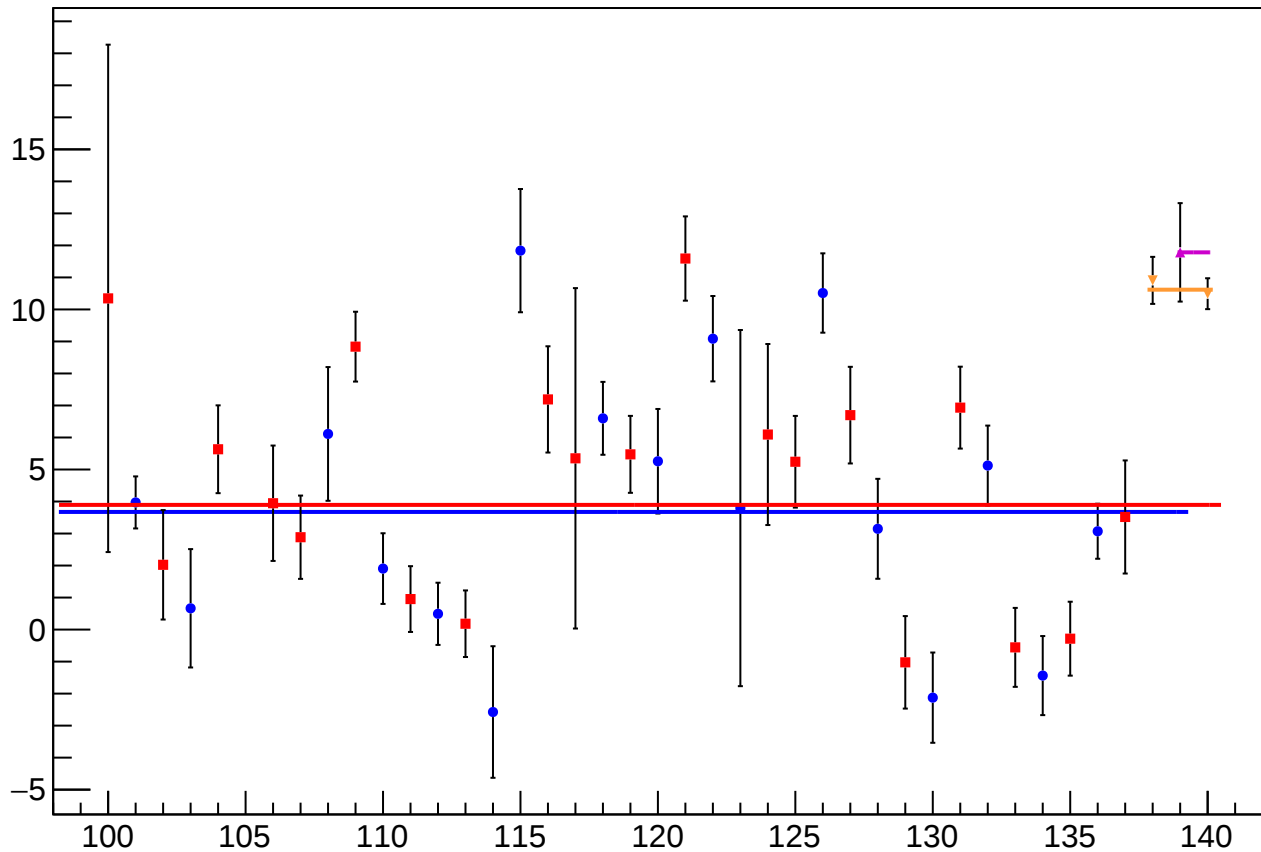
Right Out: -24.309 ± 0.173 χ^2/NDF : 0.0/19

Left In: -4.665 ± 0.853 χ^2/NDF : 0.0/0

-24.213 ± 0.175 χ^2/NDF : 3.3/18

-23.531 ± 0.170 χ^2/NDF : 509.8/20

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 $\pm$ 0.310 χ^2 /NDF: 135.2/16

Left Out: 10.617 $\pm$ 0.403 χ^2 /NDF: 0.2/1

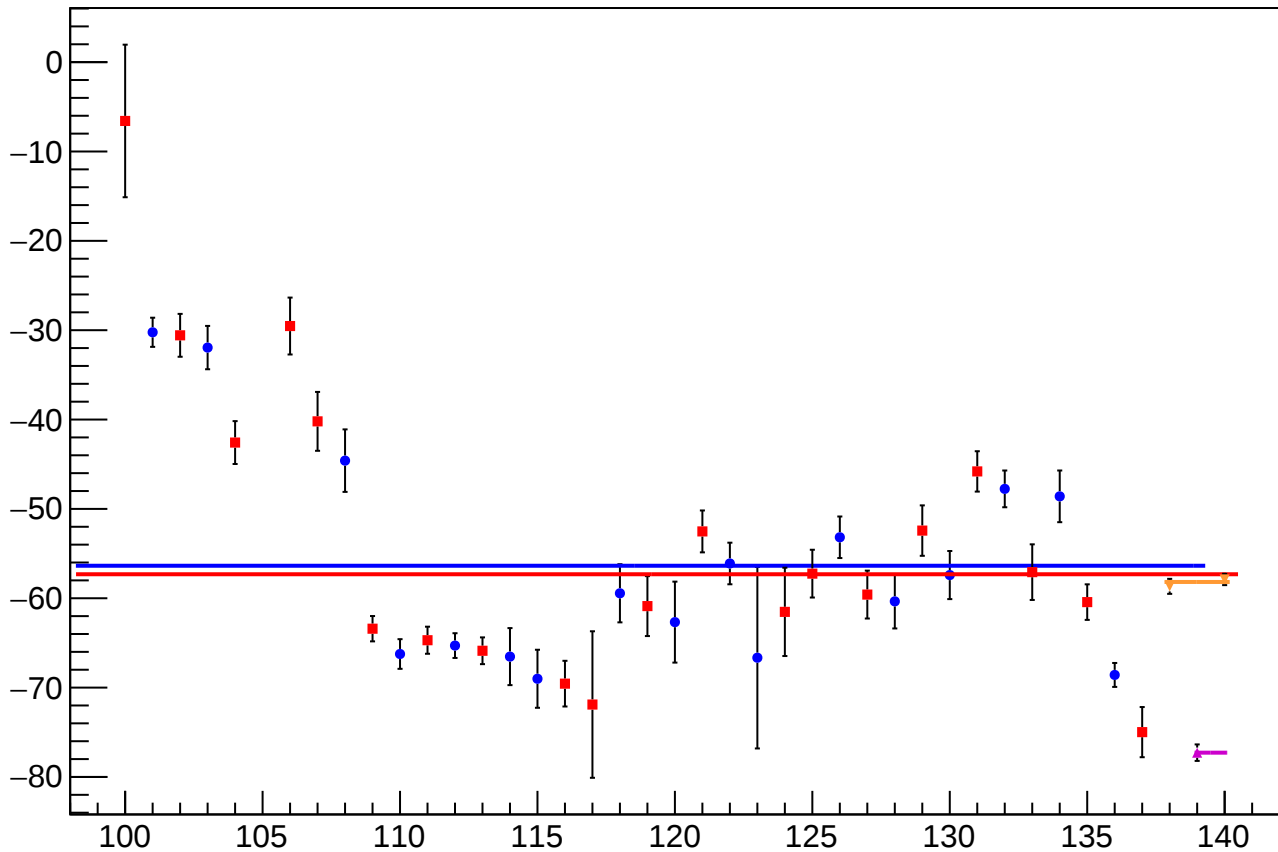
Right Out: 3.895 $\pm$ 0.316 χ^2 /NDF: 133.8/19

Left In: 11.783 $\pm$ 1.538 χ^2 /NDF: 0.0/0

6.257 $\pm$ 0.246 χ^2 /NDF: 321.5/18

4.214 $\pm$ 0.309 χ^2 /NDF: 159.1/20

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -58.177 ± 0.507 χ^2/NDF : 0.5/1

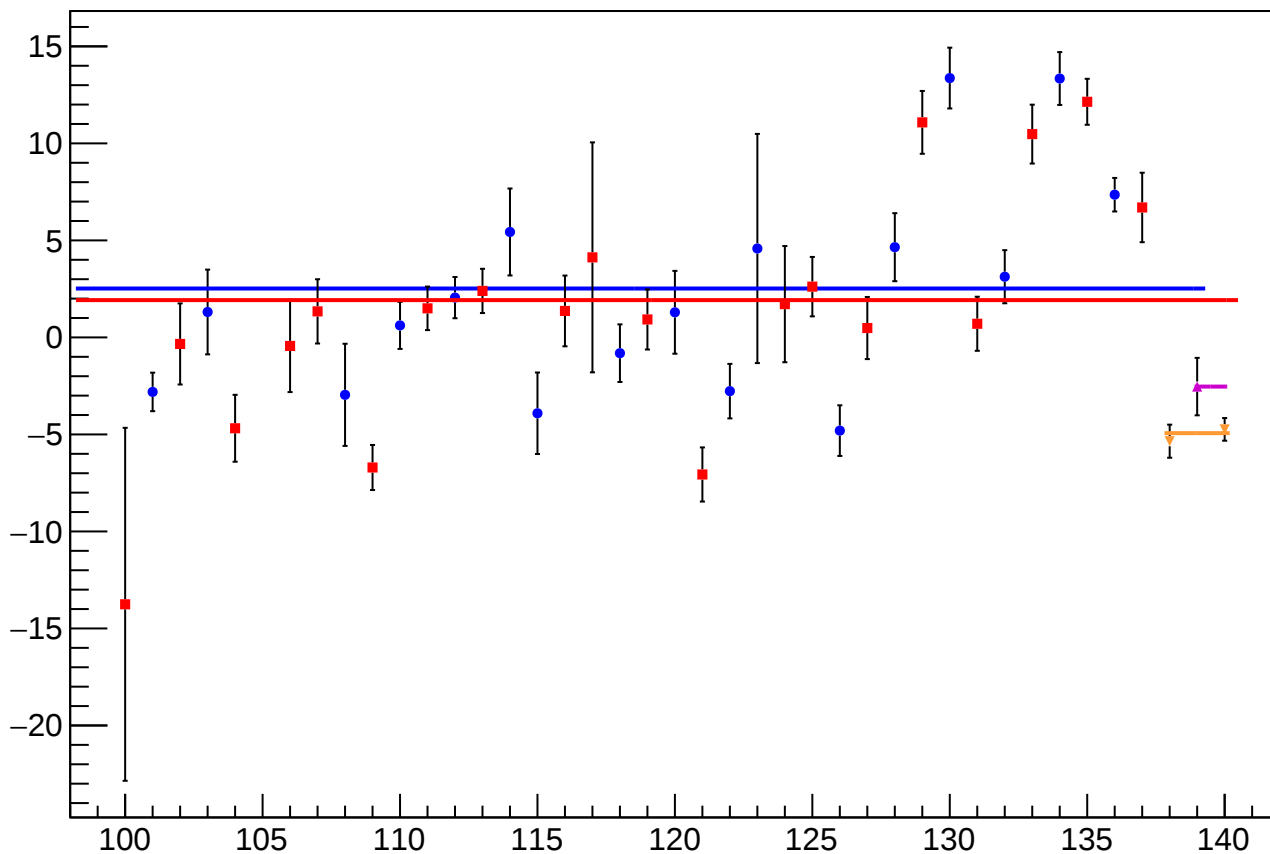
Right Out: -57.314 ± 0.535 χ^2/NDF : 479.2/19

Left In: -77.281 ± 0.923 χ^2/NDF : 0.0/0

-57.333 ± 0.371 χ^2/NDF : 593.7/18

-62.336 ± 0.463 χ^2/NDF : 829.5/20

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520+/-0.347 χ^2/NDF : 242.3/16

Left Out: -4.934+/-0.482 χ^2/NDF : 0.3/1

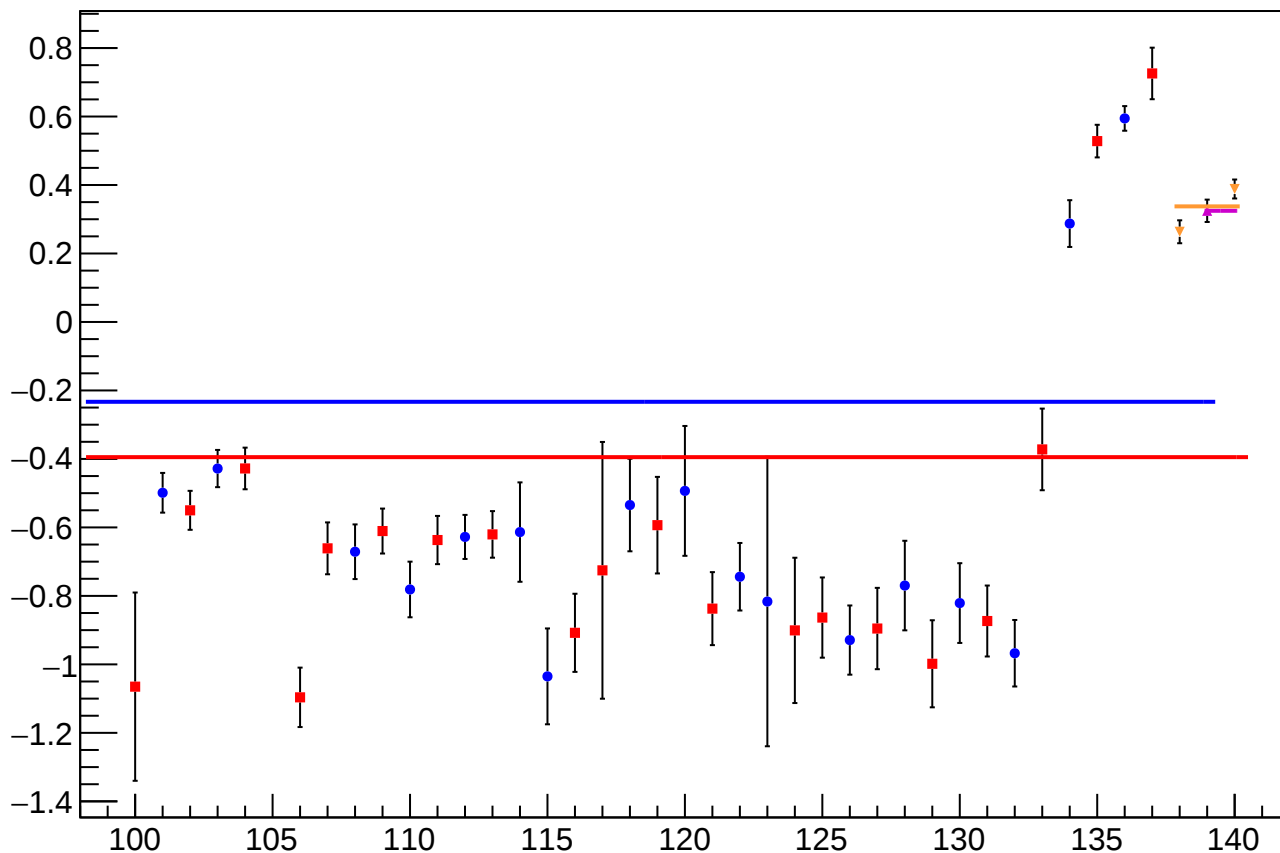
Right Out: 1.922+/-0.354 χ^2/NDF : 264.7/19

Left In: -2.535+/-1.481 χ^2/NDF : 0.0/0

-0.026+/-0.282 χ^2/NDF : 400.2/18

1.681+/-0.345 χ^2/NDF : 273.3/20

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233+/-0.019 χ^2/NDF : 956.8/16

Left Out: 0.338+/-0.021 χ^2/NDF : 8.3/1

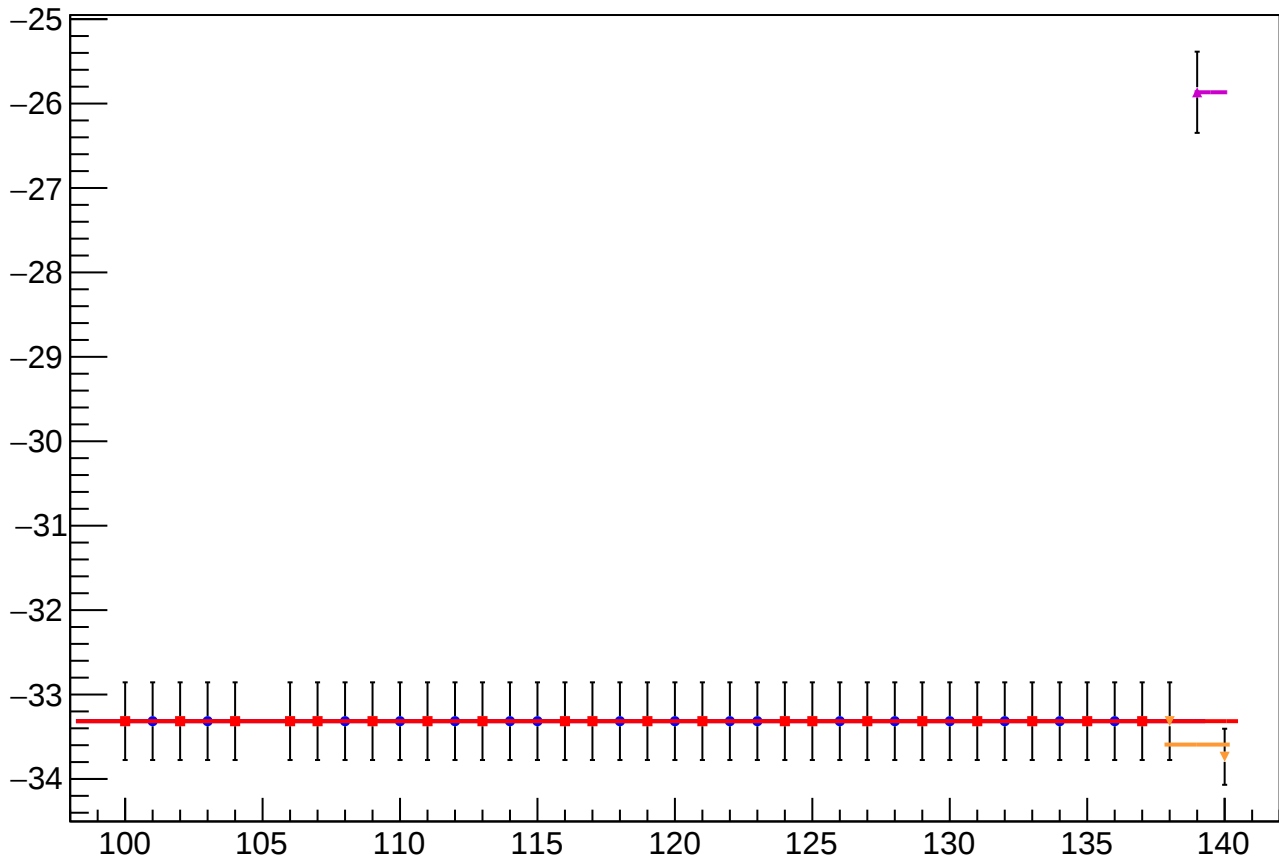
Right Out: -0.395+/-0.019 χ^2/NDF : 845.9/19

Left In: 0.325+/-0.033 χ^2/NDF : 0.0/0

0.018+/-0.014 χ^2/NDF : 1365.9/18

-0.213+/-0.016 χ^2/NDF : 1209.0/20

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.316 $\pm$ 0.112 χ^2 /NDF: 0.0/16

Left Out: -33.593 $\pm$ 0.269 χ^2 /NDF: 0.6/1

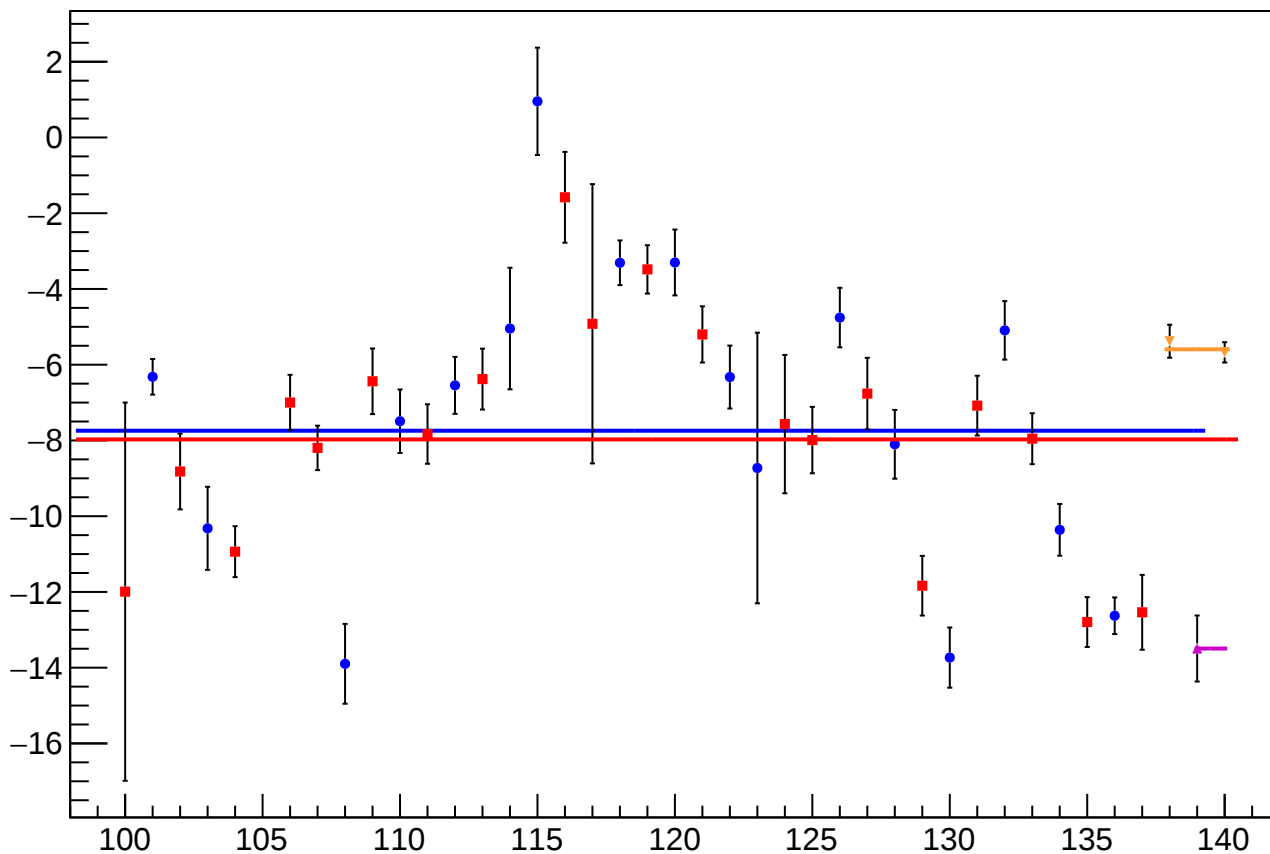
Right Out: -33.316 $\pm$ 0.103 χ^2 /NDF: 0.0/19

Left In: -25.866 $\pm$ 0.481 χ^2 /NDF: 0.0/0

-33.356 $\pm$ 0.103 χ^2 /NDF: 1.5/18

-32.990 $\pm$ 0.101 χ^2 /NDF: 229.4/20

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 $\pm$ 0.187 χ^2/NDF : 377.5/16

Left Out: -5.593 $\pm$ 0.228 χ^2/NDF : 0.3/1

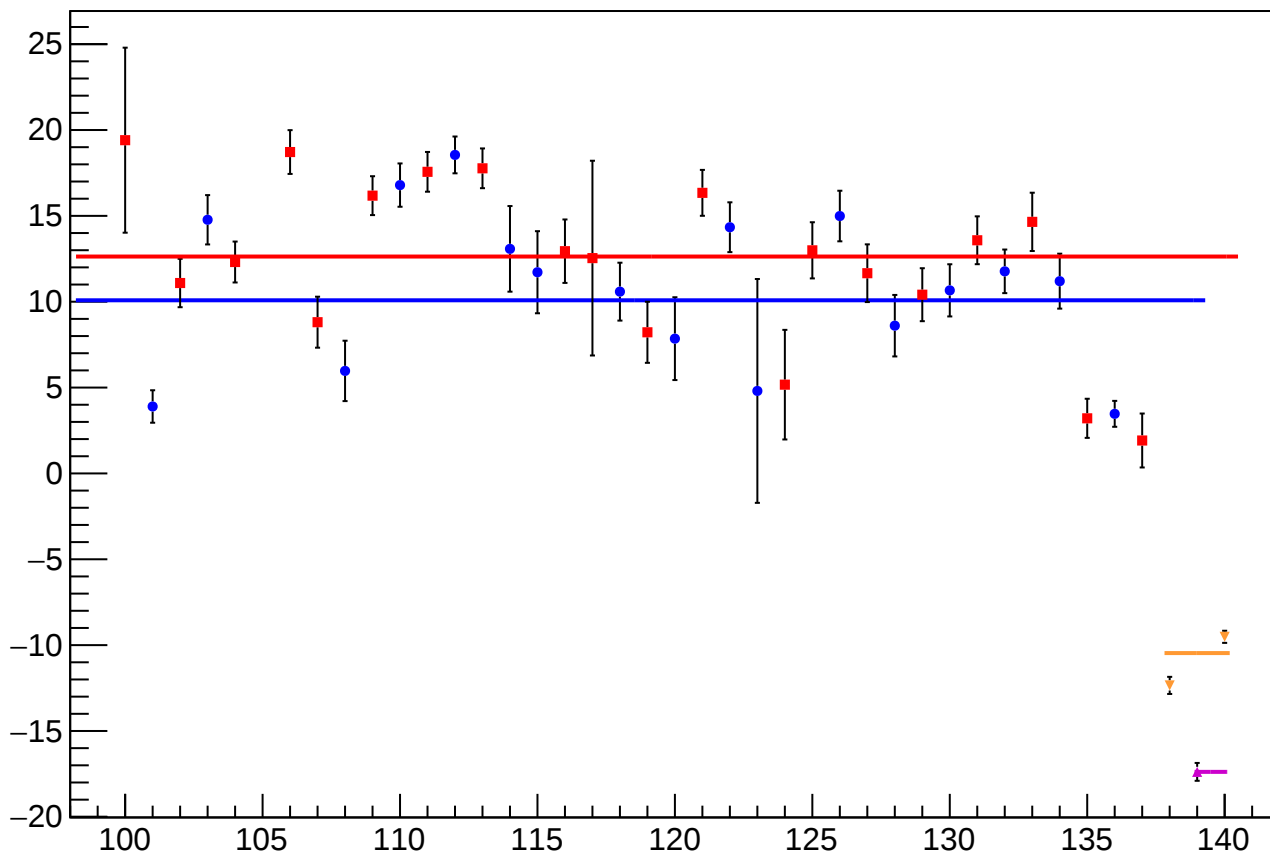
Right Out: -7.973 $\pm$ 0.186 χ^2/NDF : 224.2/19

Left In: -13.494 $\pm$ 0.872 χ^2/NDF : 0.0/0

-6.879 $\pm$ 0.145 χ^2/NDF : 430.9/18

-8.212 $\pm$ 0.182 χ^2/NDF : 262.6/20

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083+/-0.338 χ^2 /NDF: 252.7/16

Left Out: -10.463+/-0.288 χ^2 /NDF: 21.5/1

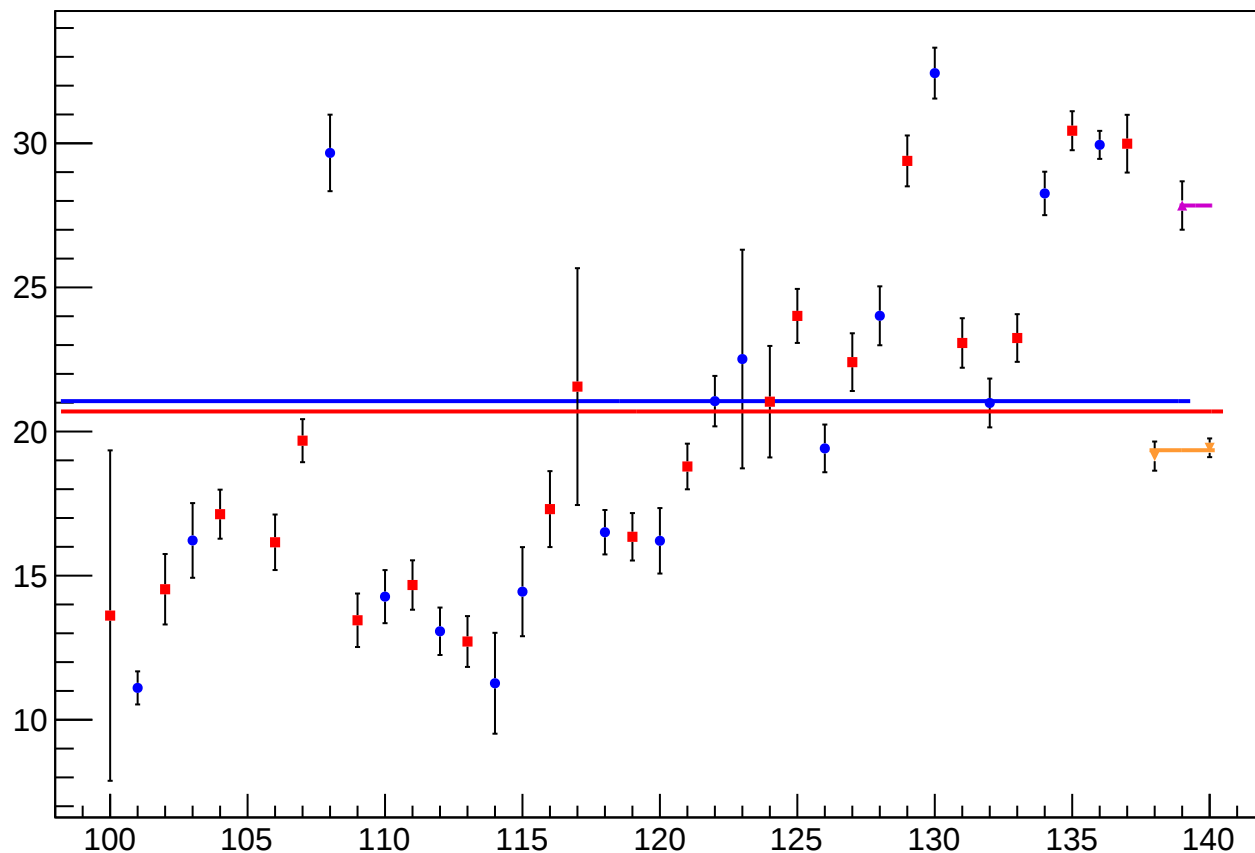
Right Out: 12.631+/-0.332 χ^2 /NDF: 218.6/19

Left In: -17.381+/-0.520 χ^2 /NDF: 0.0/0

-1.807+/-0.219 χ^2 /NDF: 2413.4/18

3.937+/-0.280 χ^2 /NDF: 2584.7/20

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 19.352 ± 0.273 $\chi^2/\text{NDF}: 0.2/1$

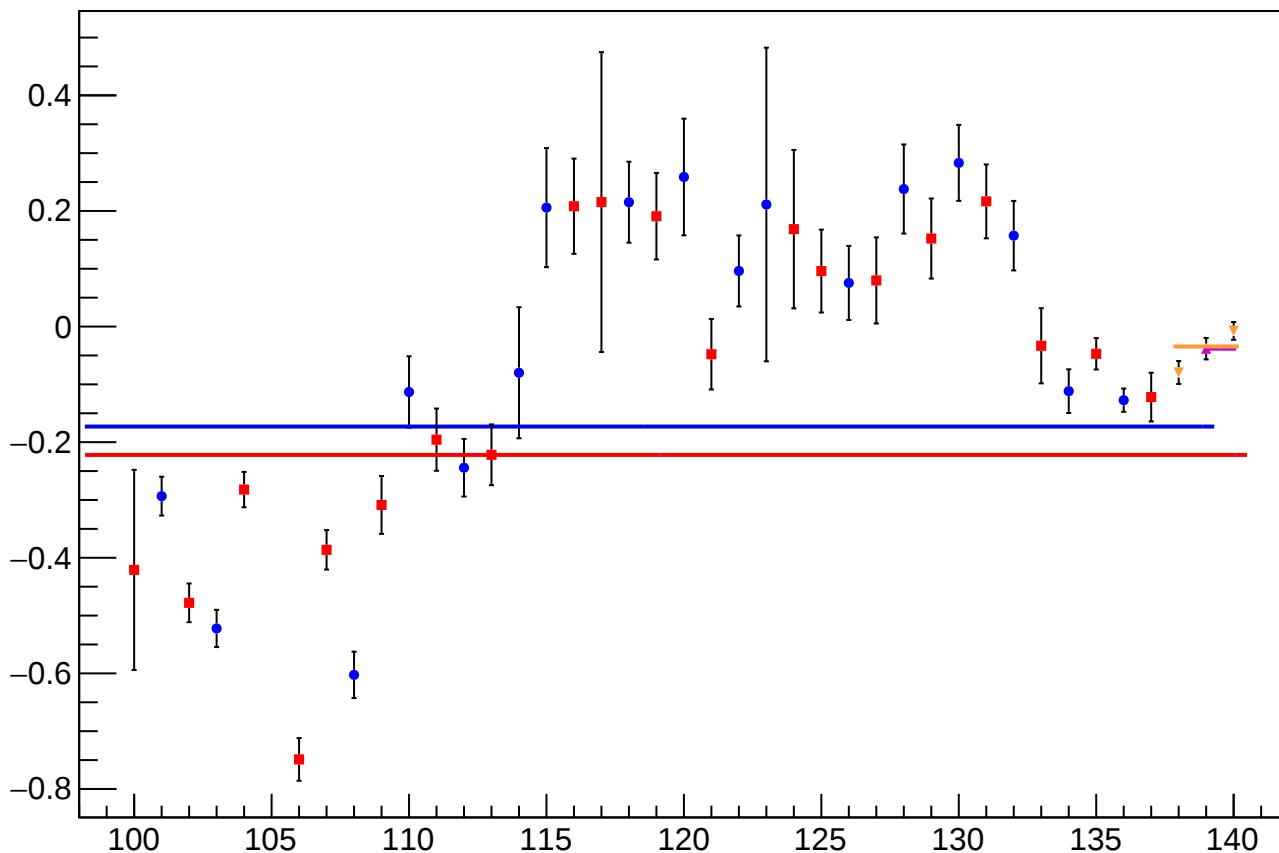
Right Out: 20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

Left In: 27.842 ± 0.840 $\chi^2/\text{NDF}: 0.0/0$

20.420 ± 0.167 $\chi^2/\text{NDF}: 1236.4/18$

21.126 ± 0.206 $\chi^2/\text{NDF}: 792.2/20$

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.034 ± 0.012 χ^2/NDF : 8.2/1

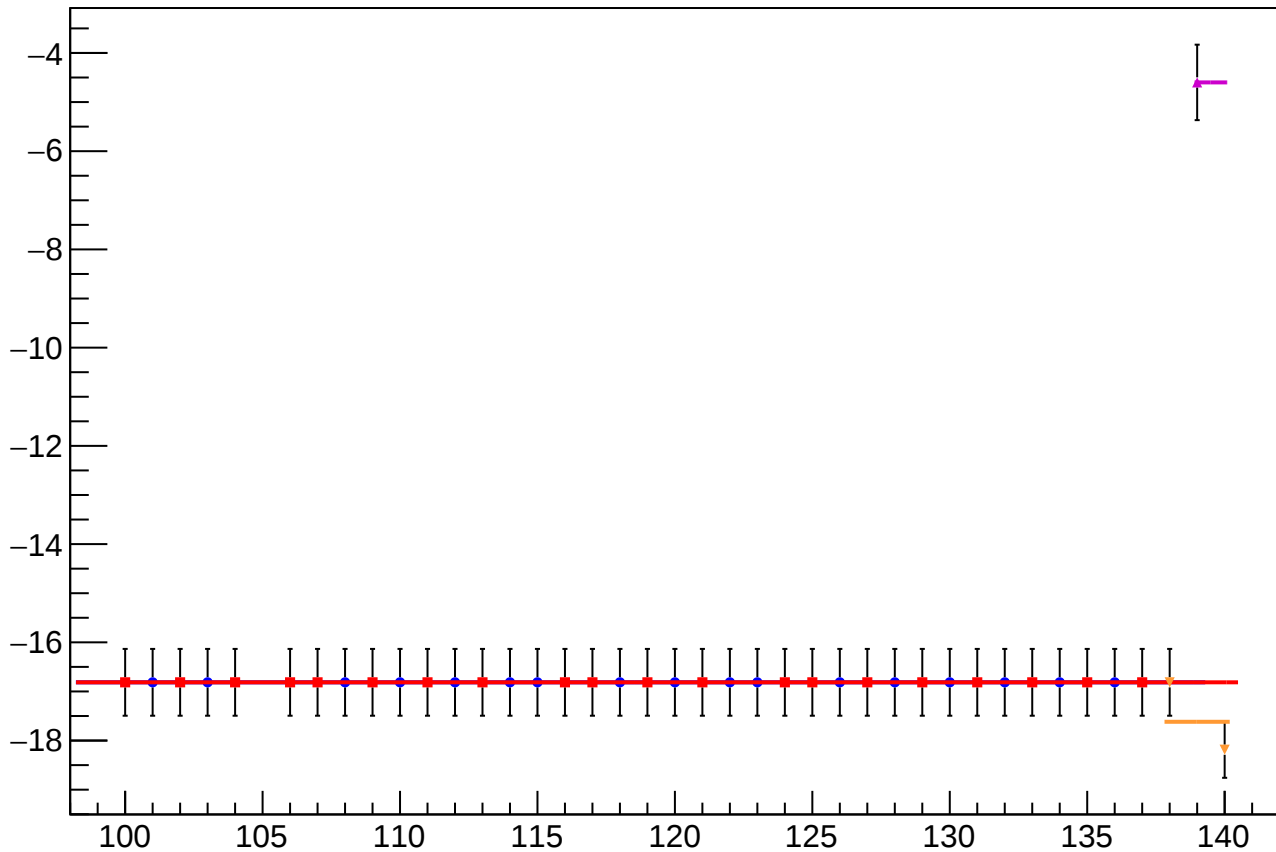
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.038 ± 0.019 χ^2/NDF : 0.0/0

-0.109 ± 0.008 χ^2/NDF : 540.2/18

-0.175 ± 0.009 χ^2/NDF : 610.9/20

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -16.814 ± 0.165 χ^2/NDF : 0.0/16

Left Out: -17.618 ± 0.438 χ^2/NDF : 2.4/1

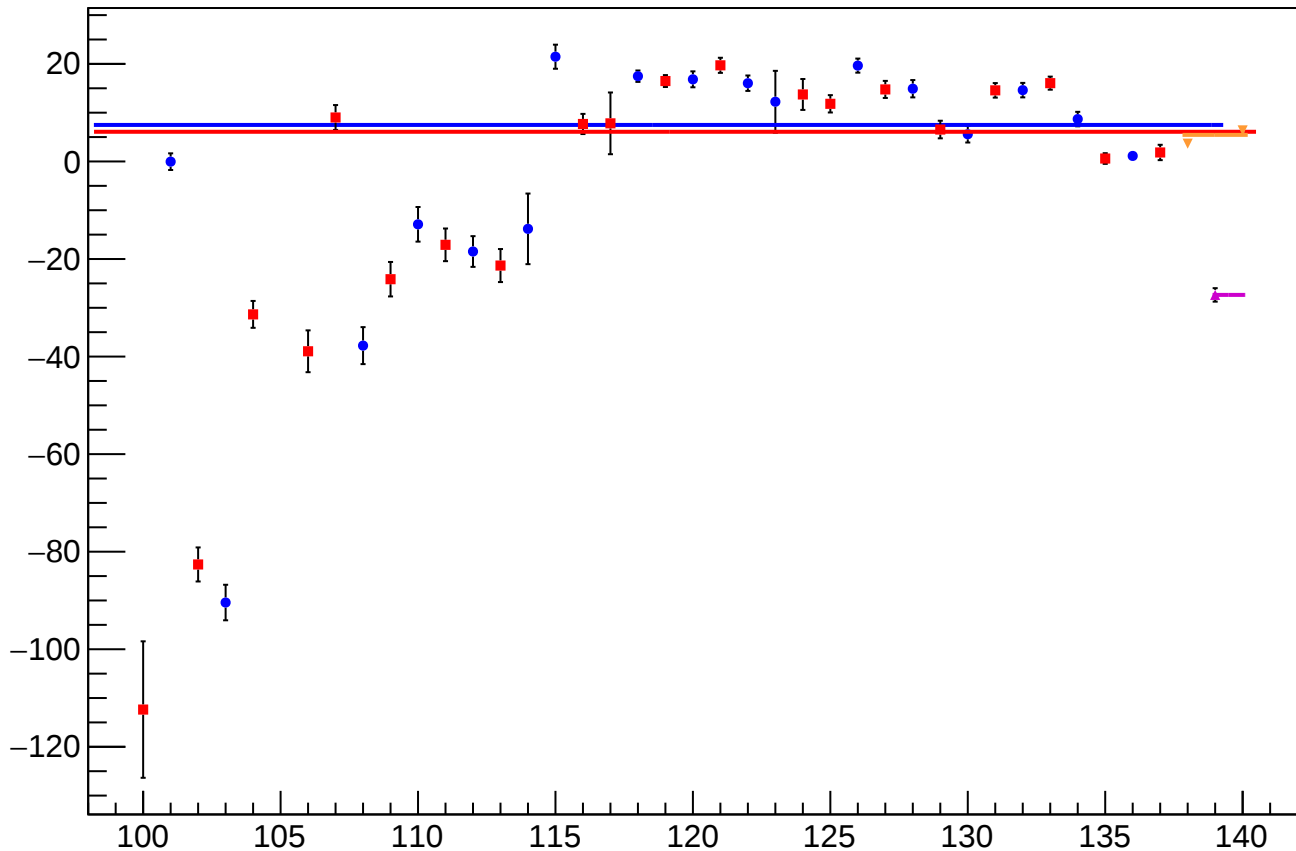
Right Out: -16.814 ± 0.152 χ^2/NDF : 0.0/19

Left In: -4.600 ± 0.768 χ^2/NDF : 0.0/0

-16.914 ± 0.154 χ^2/NDF : 5.3/18

-16.354 ± 0.149 χ^2/NDF : 243.2/20

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488+/-0.407 χ^2/NDF : 1340.5/16

Left Out: 5.449+/-0.378 χ^2/NDF : 11.6/1

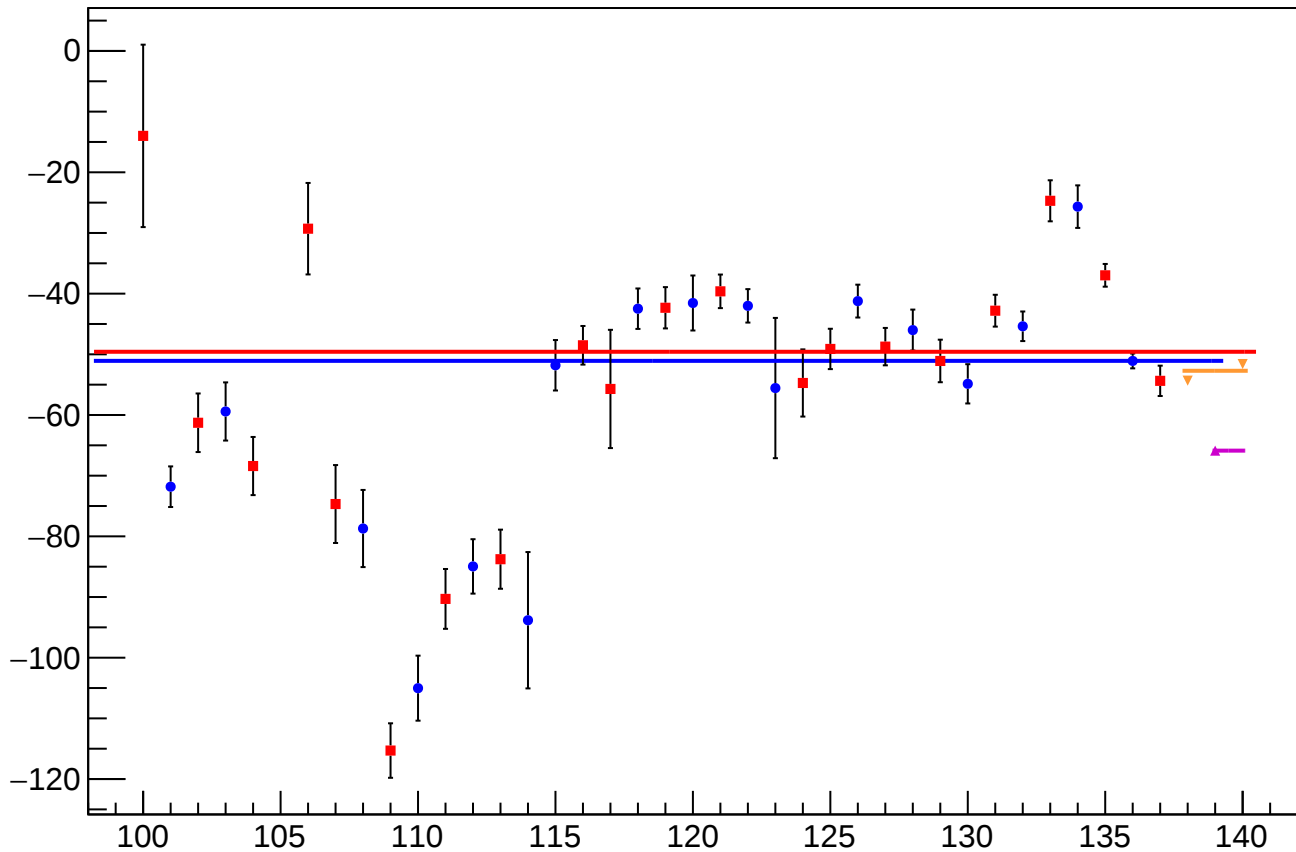
Right Out: 6.086+/-0.433 χ^2/NDF : 1512.2/19

Left In: -27.357+/-1.382 χ^2/NDF : 0.0/0

6.393+/-0.277 χ^2/NDF : 1365.6/18

3.092+/-0.413 χ^2/NDF : 2045.6/20

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -52.712 ± 0.469 χ^2/NDF : 8.2/1

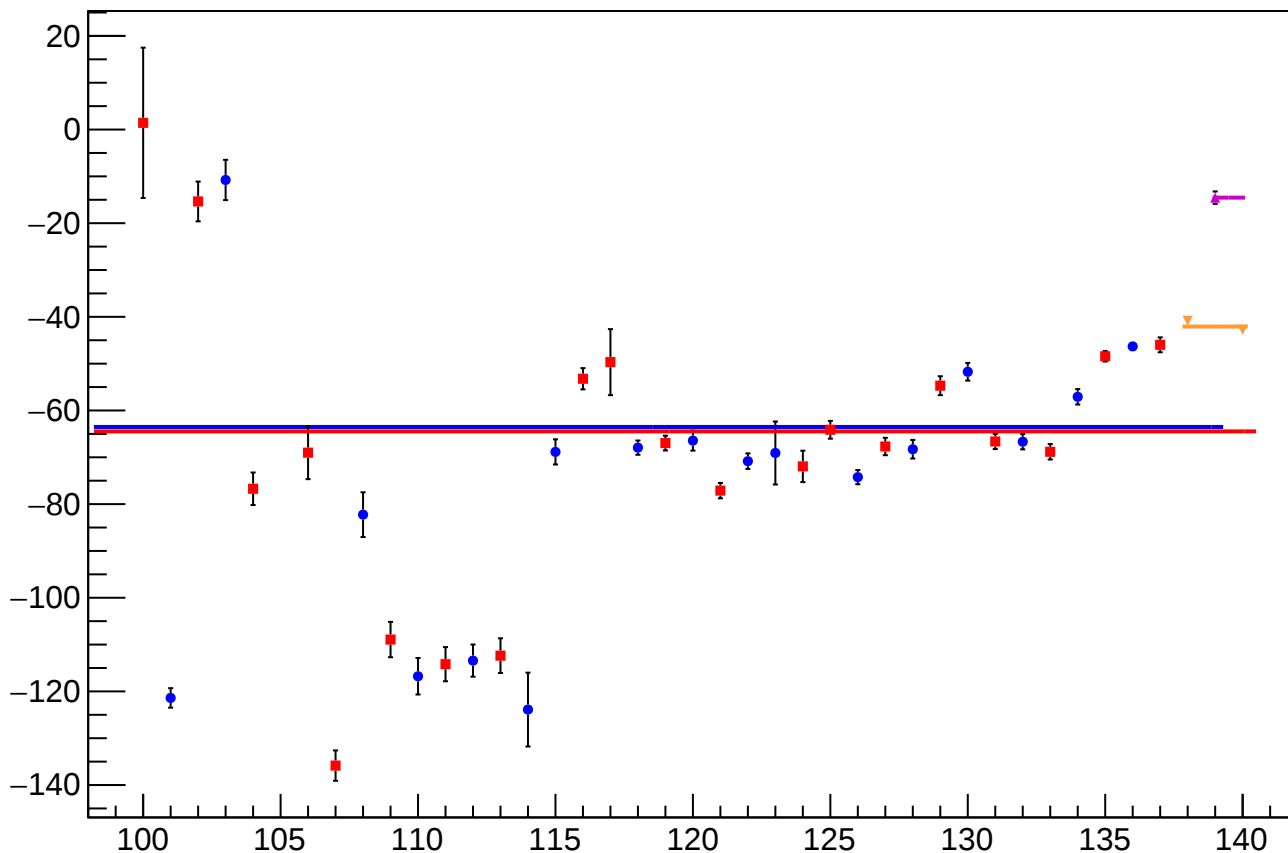
Right Out: -49.579 ± 0.796 χ^2/NDF : 510.0/19

Left In: -65.874 ± 0.832 χ^2/NDF : 0.0/0

-52.244 ± 0.397 χ^2/NDF : 341.9/18

-57.364 ± 0.575 χ^2/NDF : 710.3/20

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -42.077 ± 0.450 χ^2/NDF : 4.3/1

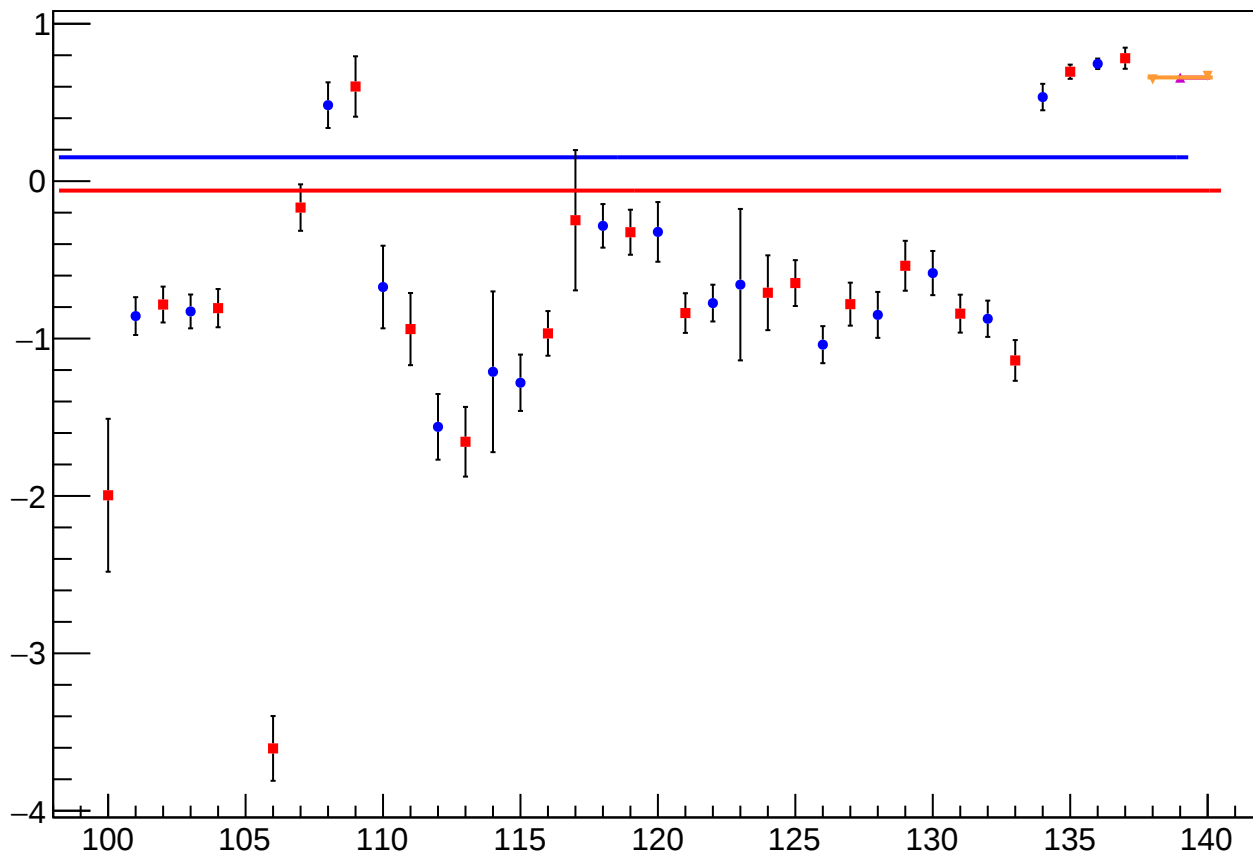
Right Out: -64.470 ± 0.482 χ^2/NDF : 1607.5/19

Left In: -14.542 ± 1.330 χ^2/NDF : 0.0/0

-52.844 ± 0.318 χ^2/NDF : 3153.2/18

-58.677 ± 0.453 χ^2/NDF : 2853.3/20

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.659 ± 0.020 $\chi^2/\text{NDF}: 0.3/1$

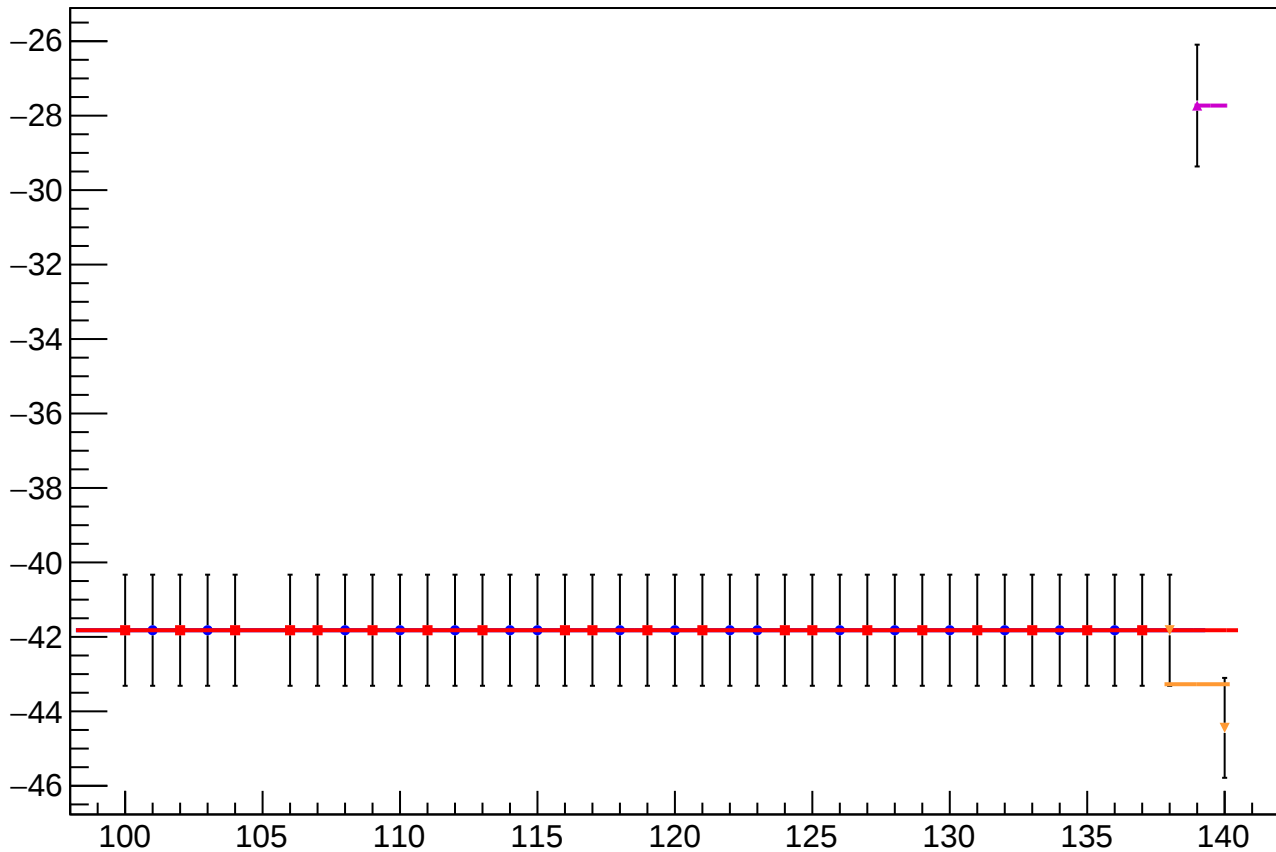
Right Out: -0.060 ± 0.026 $\chi^2/\text{NDF}: 1162.1/19$

Left In: 0.658 ± 0.029 $\chi^2/\text{NDF}: 0.0/0$

0.455 ± 0.015 $\chi^2/\text{NDF}: 1254.0/18$

0.259 ± 0.020 $\chi^2/\text{NDF}: 1494.5/20$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -41.821 $\pm$ 0.362 χ^2/NDF : 0.0/16

Left Out: -43.272 $\pm$ 0.998 χ^2/NDF : 1.7/1

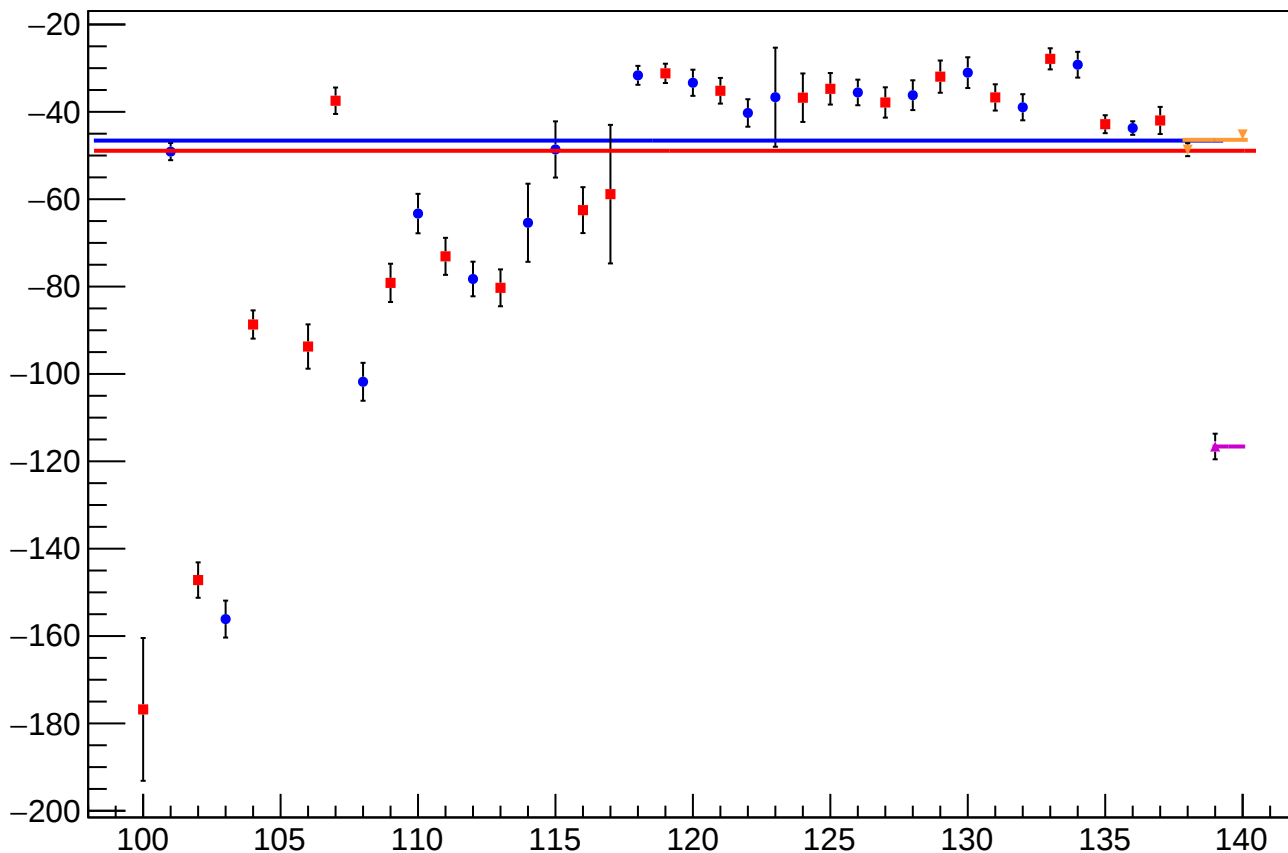
Right Out: -41.821 $\pm$ 0.334 χ^2/NDF : 0.0/19

Left In: -27.729 $\pm$ 1.636 χ^2/NDF : 0.0/0

-41.990 $\pm$ 0.340 χ^2/NDF : 3.6/18

-41.258 $\pm$ 0.327 χ^2/NDF : 71.3/20

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -46.406 ± 0.883 χ^2/NDF : 3.6/1

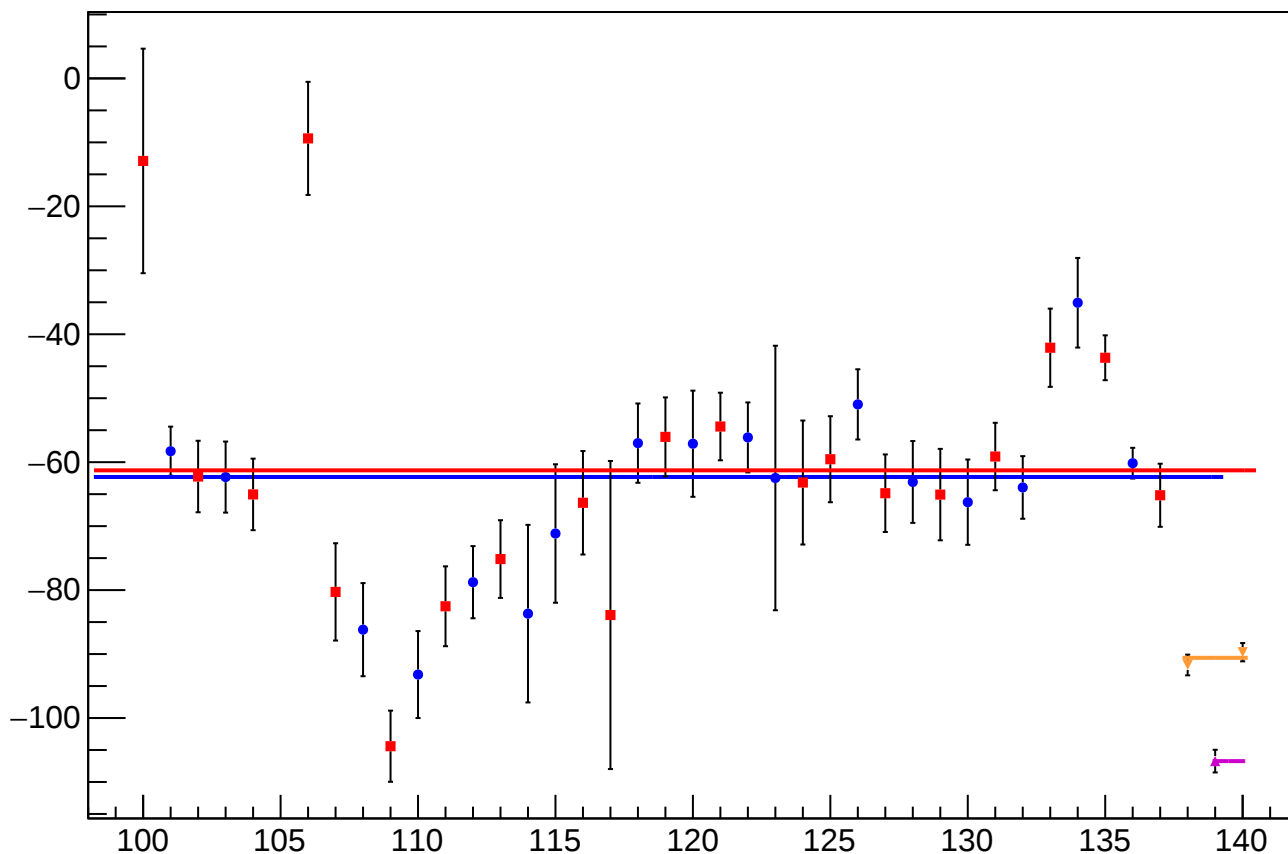
Right Out: -48.911 ± 0.763 χ^2/NDF : 1277.9/19

Left In: -116.607 ± 2.930 χ^2/NDF : 0.0/0

-46.508 ± 0.563 χ^2/NDF : 1080.0/18

-53.205 ± 0.738 χ^2/NDF : 1777.7/20

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -90.585 ± 1.071 χ^2/NDF : 0.9/1

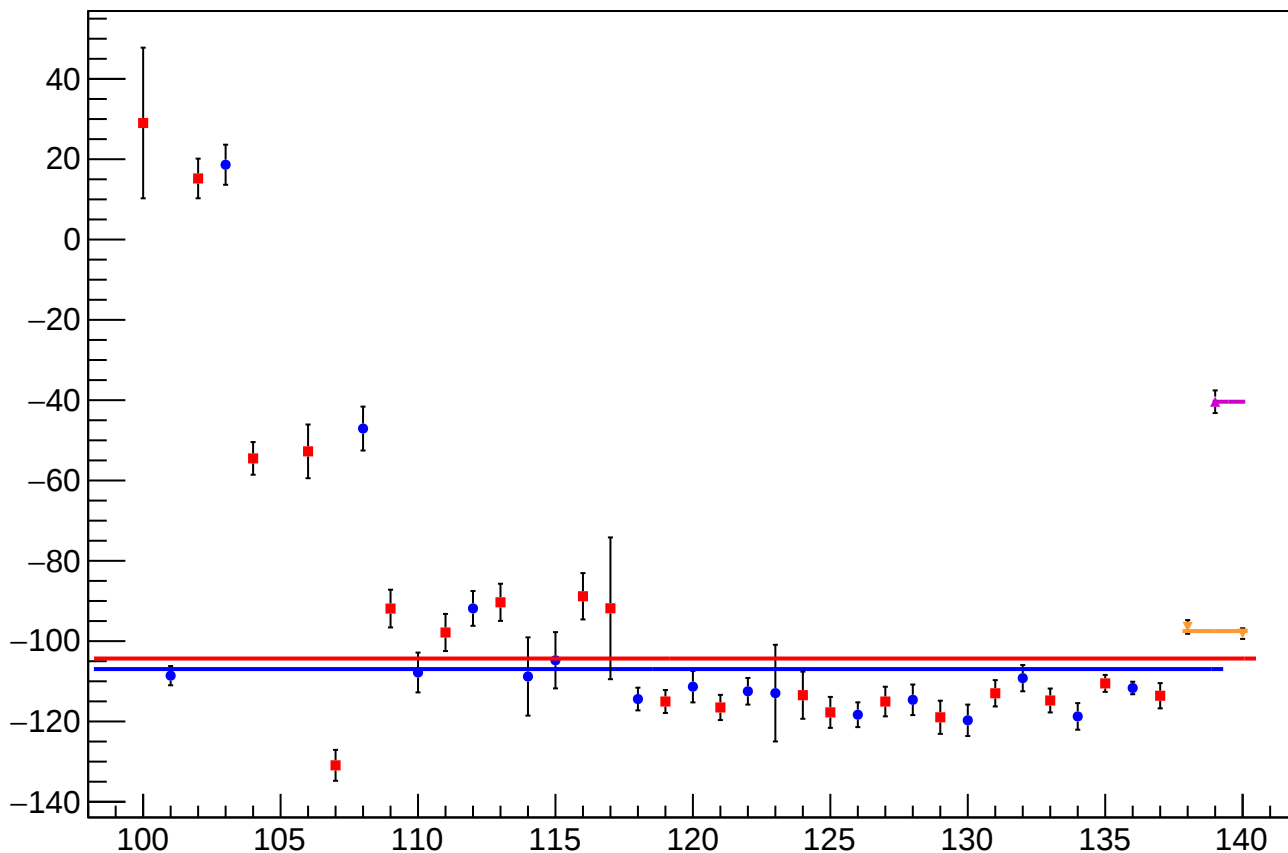
Right Out: -61.277 ± 1.379 χ^2/NDF : 165.9/19

Left In: -106.738 ± 1.773 χ^2/NDF : 0.0/0

-79.319 ± 0.831 χ^2/NDF : 345.7/18

-78.414 ± 1.088 χ^2/NDF : 575.7/20

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -97.494 ± 1.047 χ^2/NDF : 0.6/1

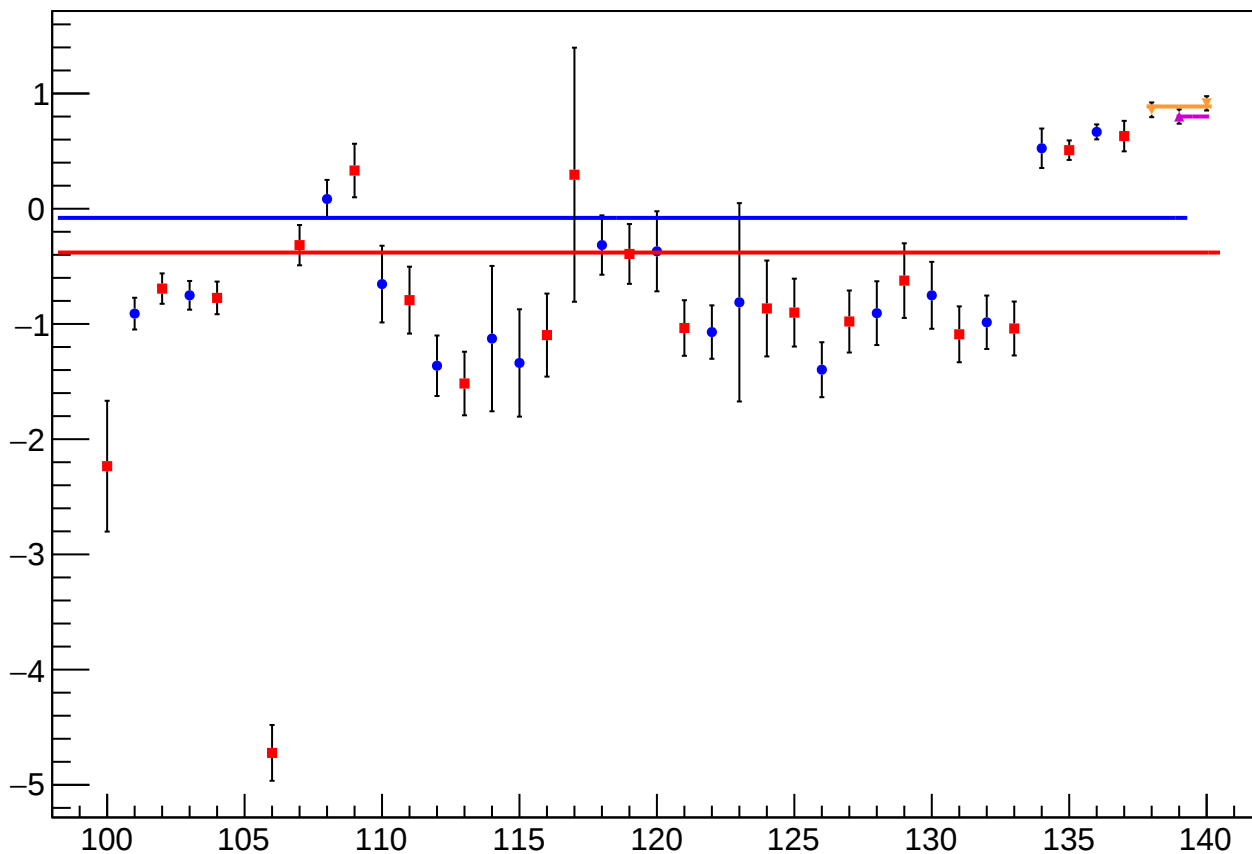
Right Out: -104.326 ± 0.860 χ^2/NDF : 1021.5/19

Left In: -40.385 ± 2.820 χ^2/NDF : 0.0/0

-103.373 ± 0.644 χ^2/NDF : 878.6/18

-98.881 ± 0.823 χ^2/NDF : 1491.9/20

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.887 ± 0.045 χ^2/NDF : 0.4/1

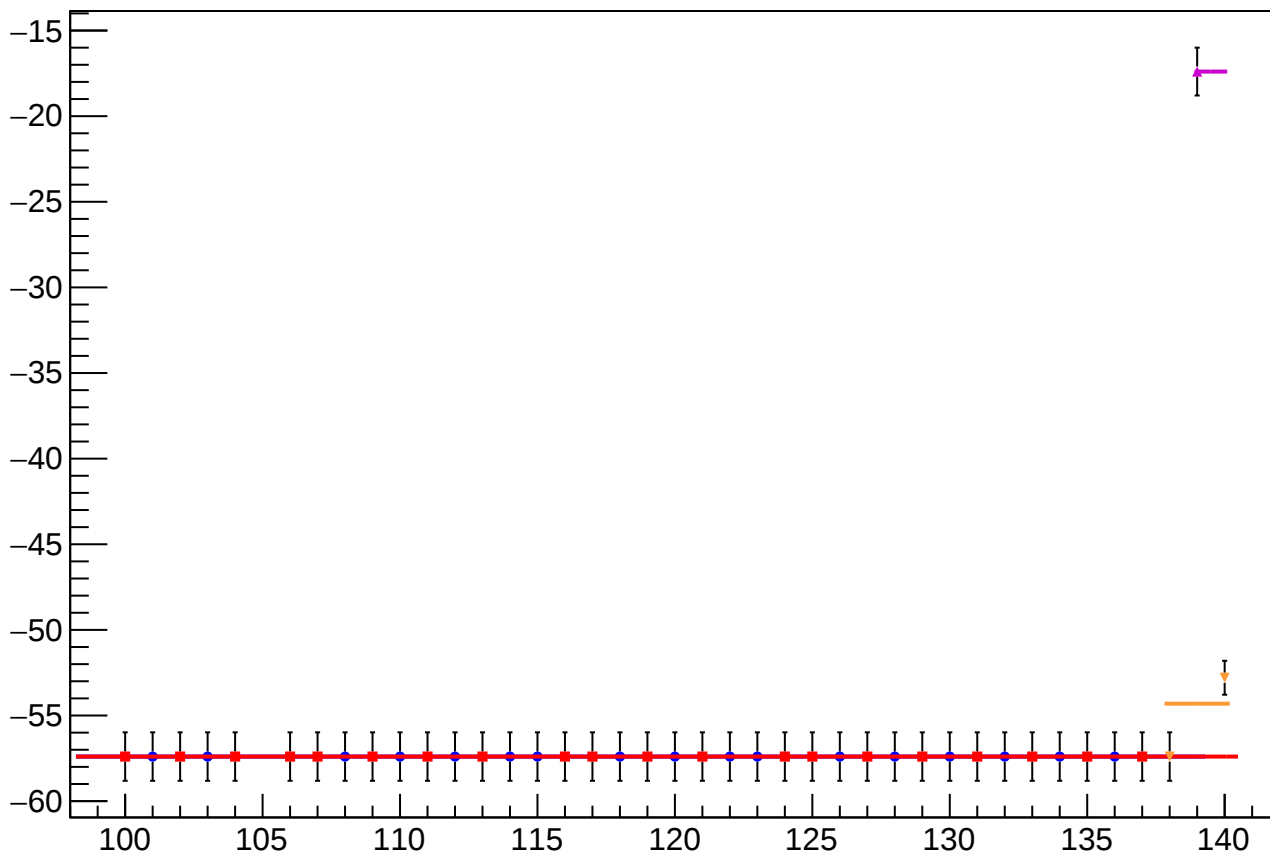
Right Out: -0.380 ± 0.044 χ^2/NDF : 580.9/19

Left In: 0.800 ± 0.062 χ^2/NDF : 0.0/0

0.378 ± 0.031 χ^2/NDF : 576.6/18

0.013 ± 0.036 χ^2/NDF : 821.0/20

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -57.398 ± 0.343 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -54.309 ± 0.811 $\chi^2/\text{NDF}: 7.1/1$

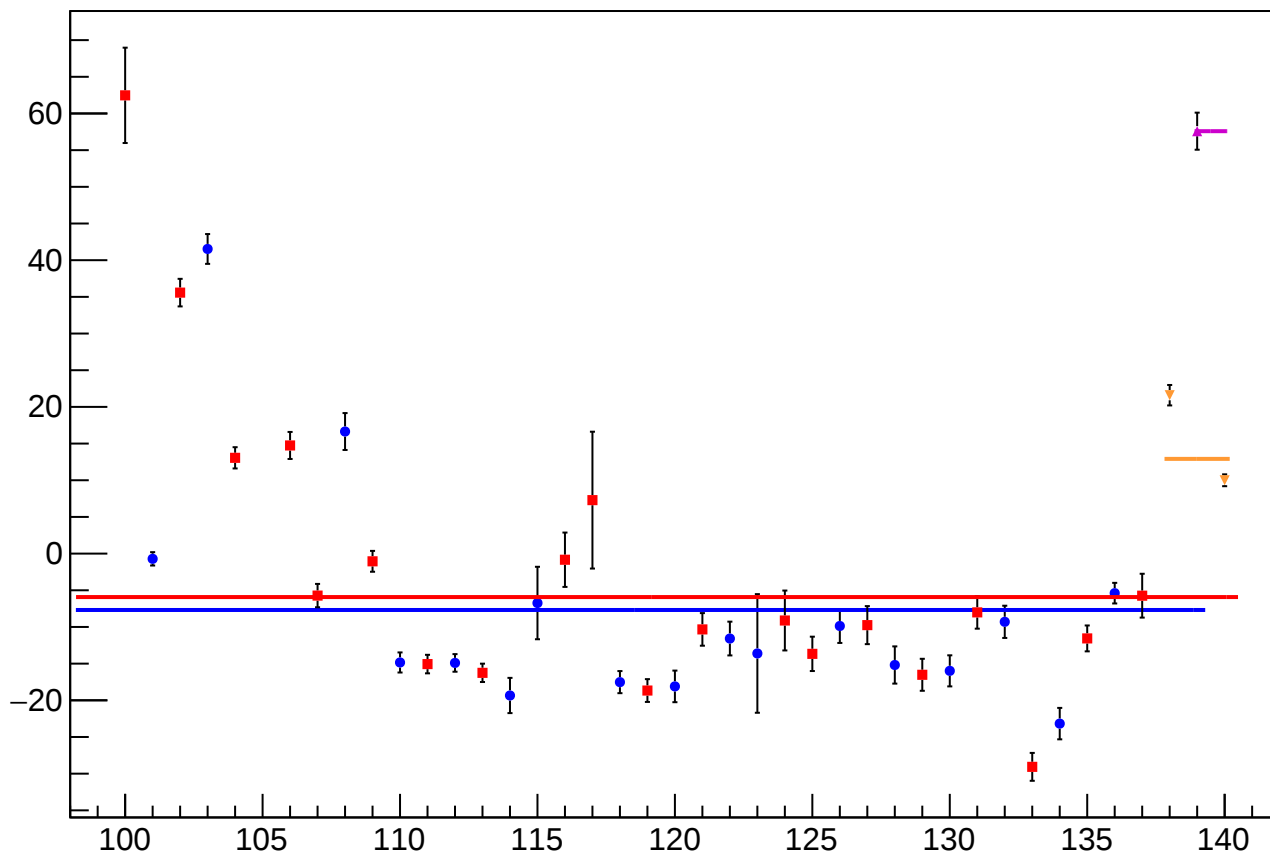
Right Out: -57.398 ± 0.316 $\chi^2/\text{NDF}: 0.0/19$

Left In: -17.397 ± 1.397 $\chi^2/\text{NDF}: 0.0/0$

-56.929 ± 0.316 $\chi^2/\text{NDF}: 19.4/18$

-55.446 ± 0.309 $\chi^2/\text{NDF}: 780.1/20$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: 12.913 ± 0.699 χ^2/NDF : 51.8/1

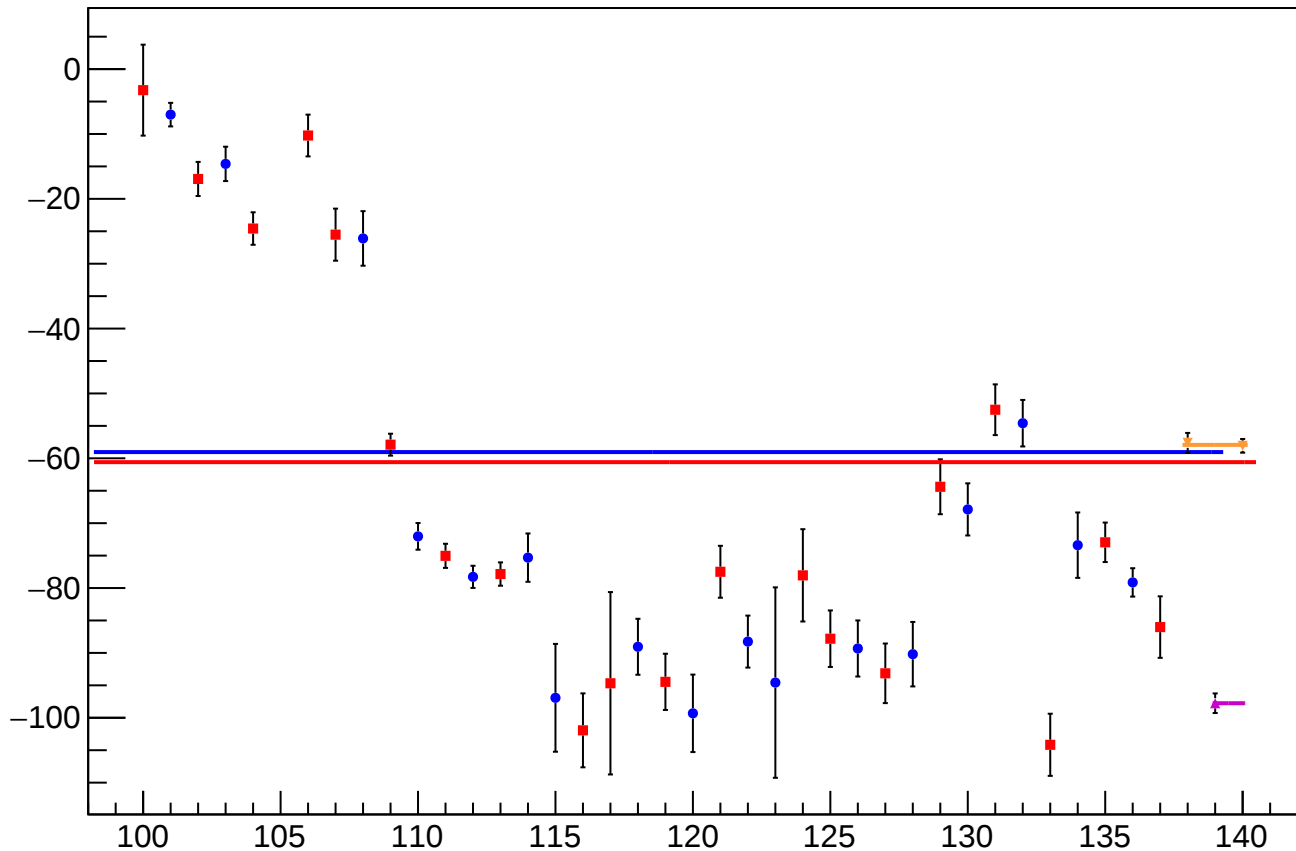
Right Out: -5.925 ± 0.428 χ^2/NDF : 1300.1/19

Left In: 57.586 ± 2.527 χ^2/NDF : 0.0/0

-2.033 ± 0.366 χ^2/NDF : 1657.6/18

-4.150 ± 0.422 χ^2/NDF : 1914.2/20

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -57.929 ± 0.869 χ^2/NDF : 0.1/1

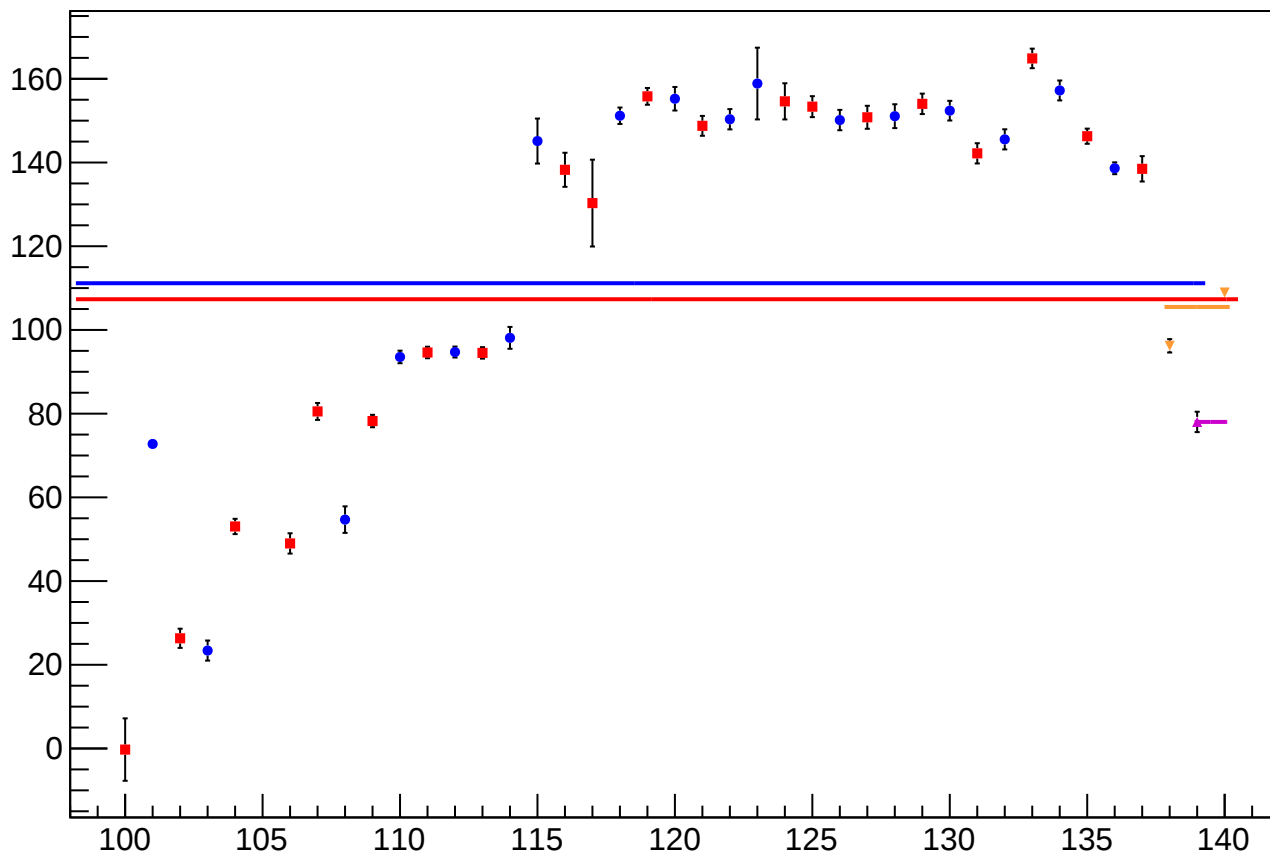
Right Out: -60.593 ± 0.704 χ^2/NDF : 1390.7/19

Left In: -97.757 ± 1.511 χ^2/NDF : 0.0/0

-58.568 ± 0.566 χ^2/NDF : 1710.5/18

-67.214 ± 0.638 χ^2/NDF : 1887.9/20

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 105.491 $\pm$ 0.834 χ^2 /NDF: 46.0/1

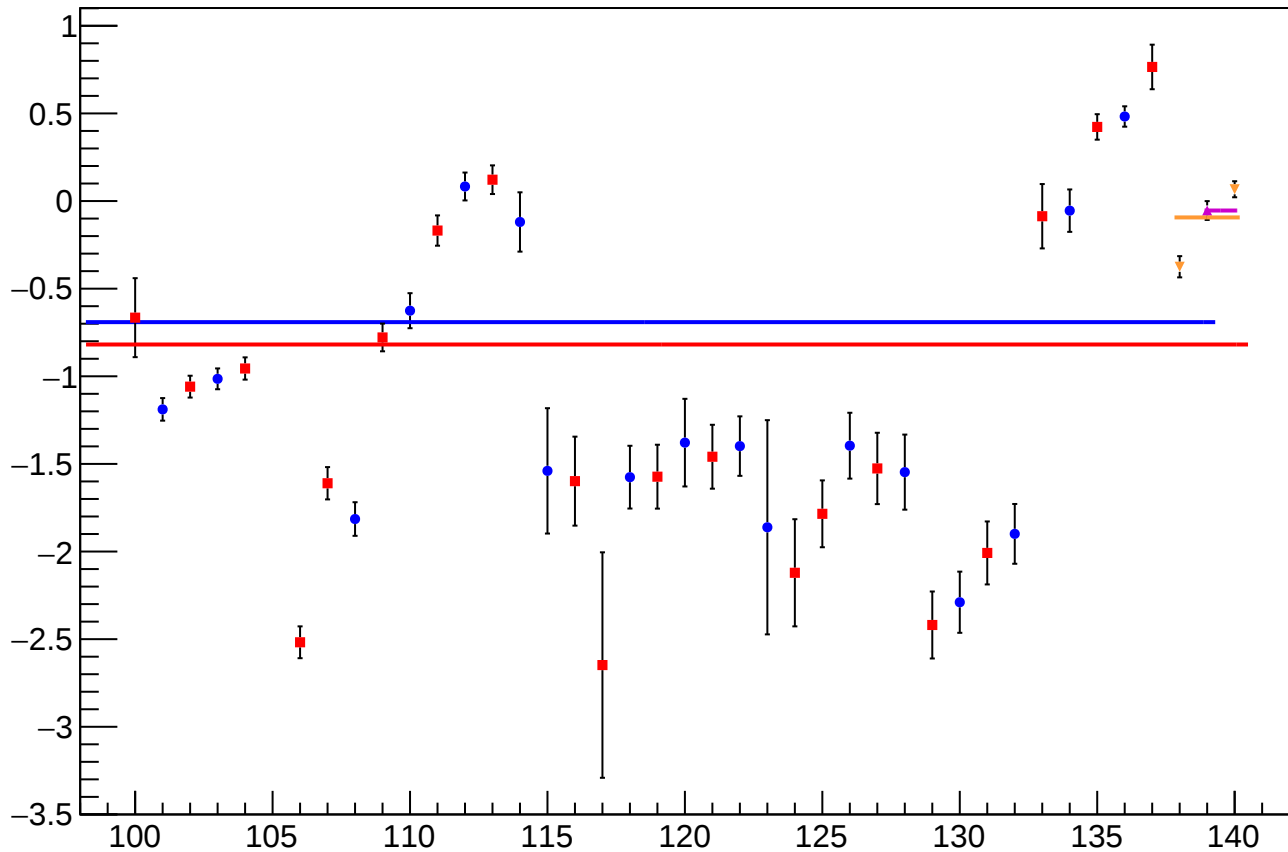
Right Out: 107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

Left In: 78.023 $\pm$ 2.433 χ^2 /NDF: 0.0/0

109.709 $\pm$ 0.422 χ^2 /NDF: 5958.0/18

106.205 $\pm$ 0.478 χ^2 /NDF: 7199.5/20

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.094 ± 0.037 χ^2/NDF : 33.9/1

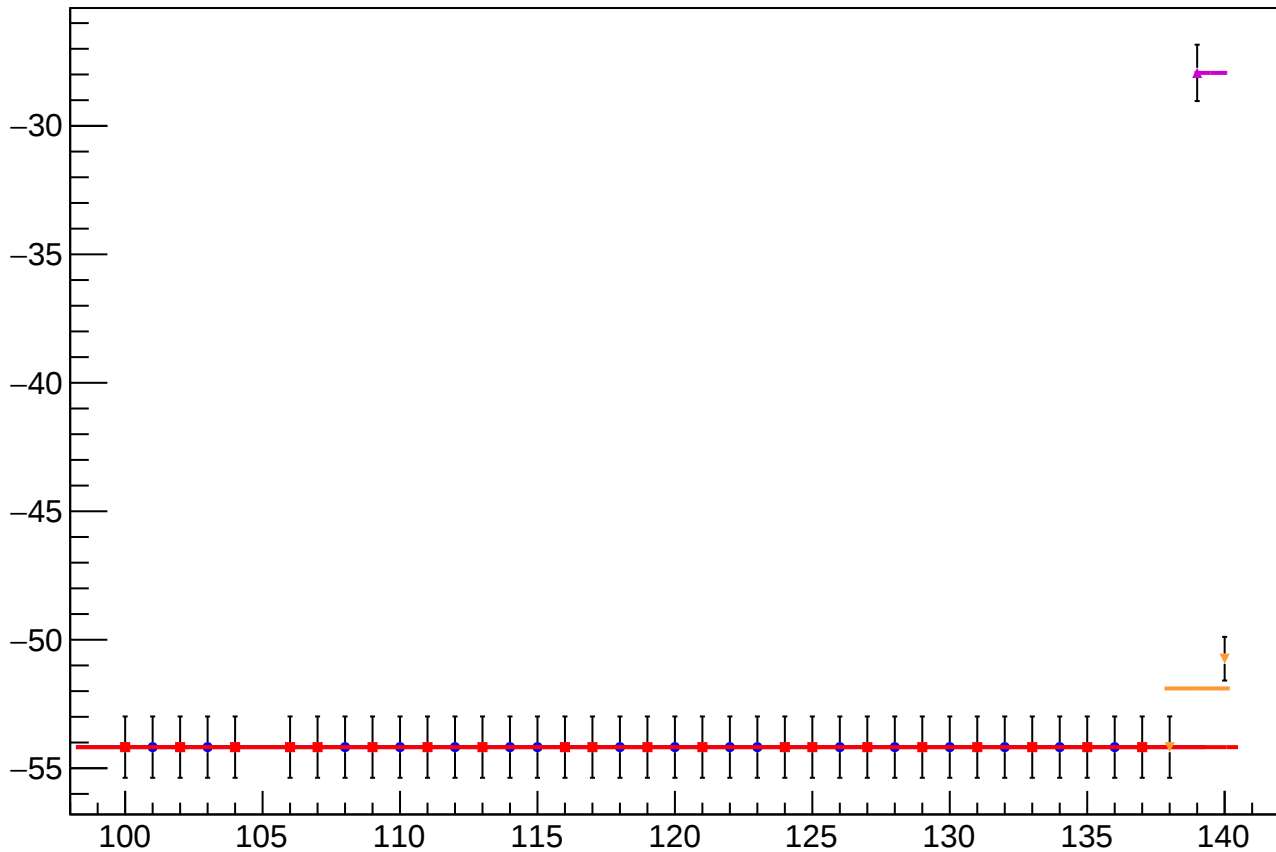
Right Out: -0.819 ± 0.024 χ^2/NDF : 1312.5/19

Left In: -0.054 ± 0.054 χ^2/NDF : 0.0/0

-0.492 ± 0.021 χ^2/NDF : 1203.2/18

-0.688 ± 0.022 χ^2/NDF : 1480.6/20

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -54.179 $\pm$ 0.289 χ^2 /NDF: 0.0/16

Left Out: -51.896 $\pm$ 0.692 χ^2 /NDF: 5.5/1

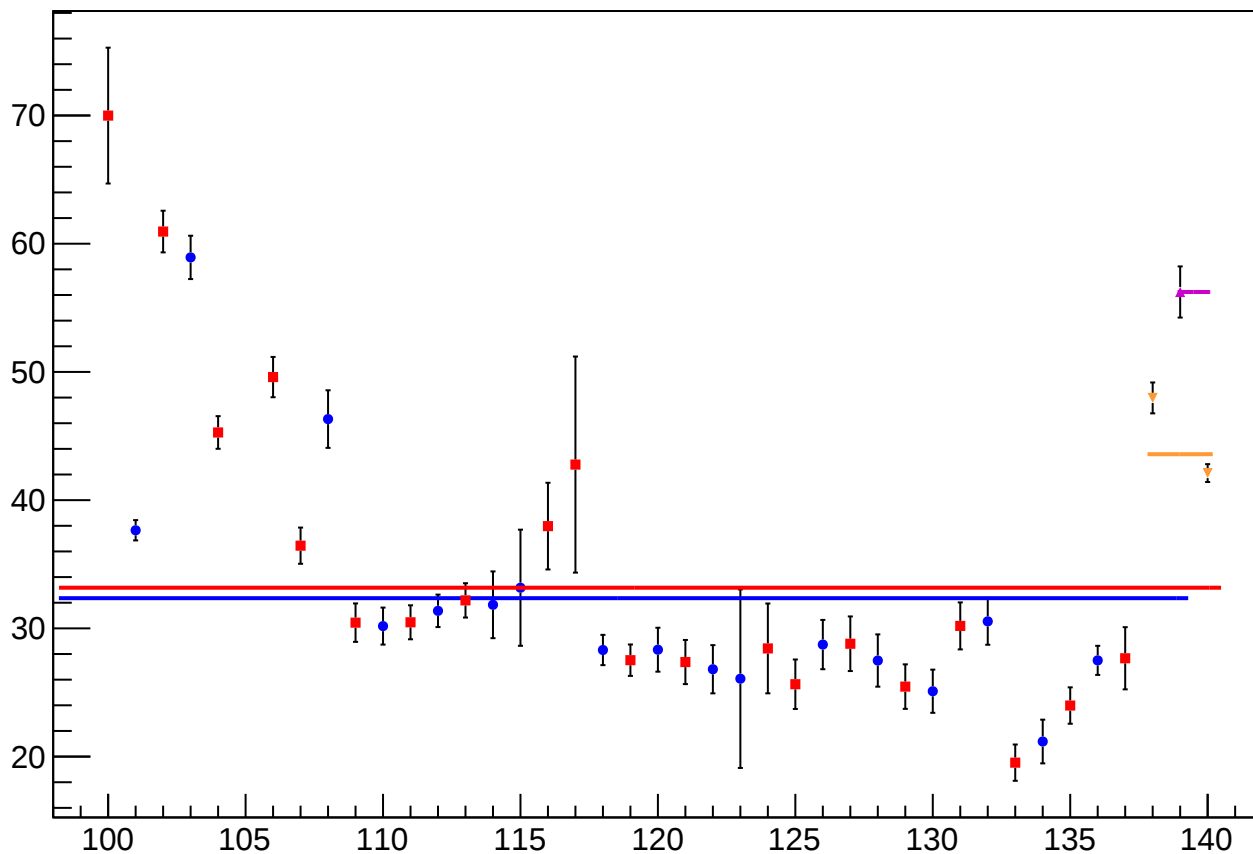
Right Out: -54.179 $\pm$ 0.267 χ^2 /NDF: 0.0/19

Left In: -27.937 $\pm$ 1.098 χ^2 /NDF: 0.0/0

-53.840 $\pm$ 0.267 χ^2 /NDF: 14.8/18

-52.715 $\pm$ 0.259 χ^2 /NDF: 539.6/20

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 43.583+/-0.604 χ^2/NDF : 17.7/1

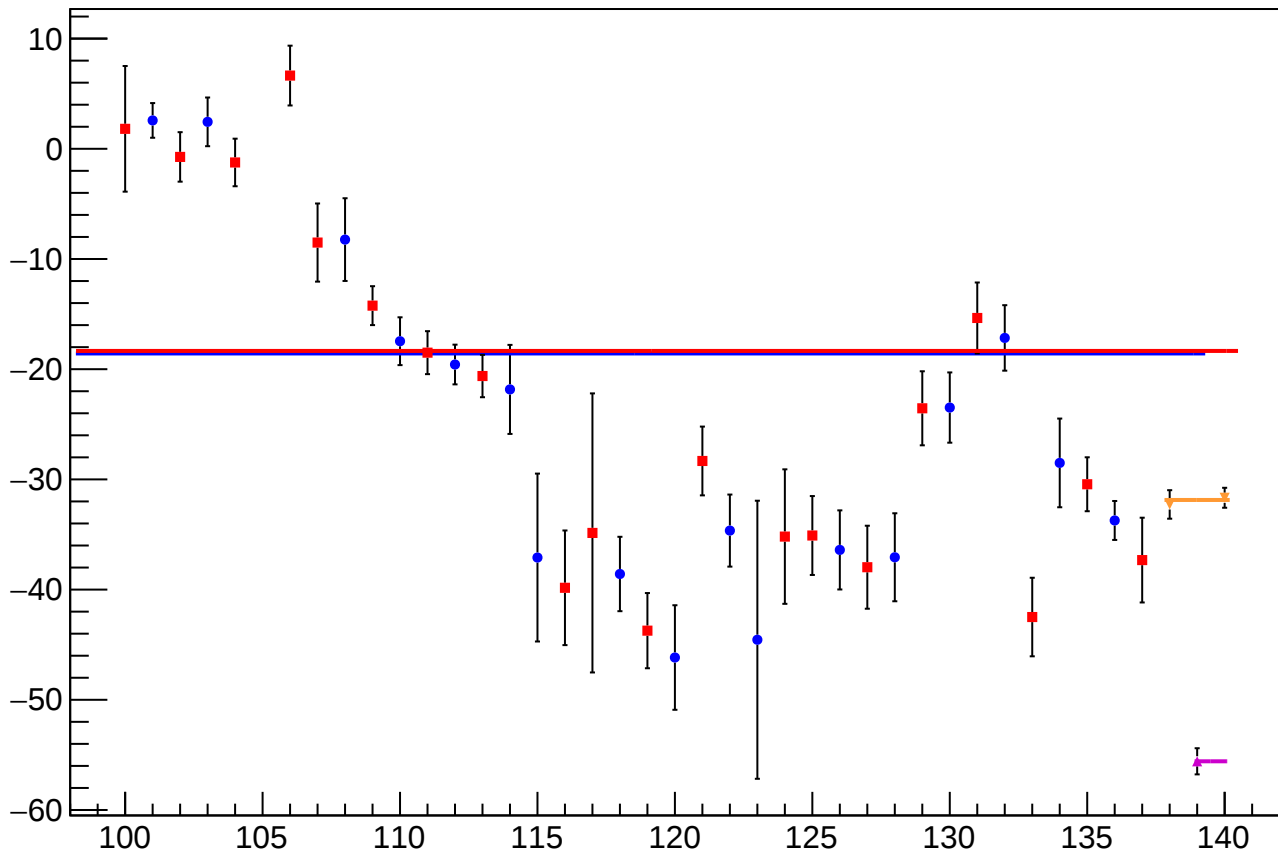
Right Out: 33.172+/-0.378 χ^2/NDF : 773.3/19

Left In: 56.235+/-1.994 χ^2/NDF : 0.0/0

35.488+/-0.319 χ^2/NDF : 717.8/18

33.974+/-0.372 χ^2/NDF : 902.4/20

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -31.867 ± 0.742 χ^2/NDF : 0.1/1

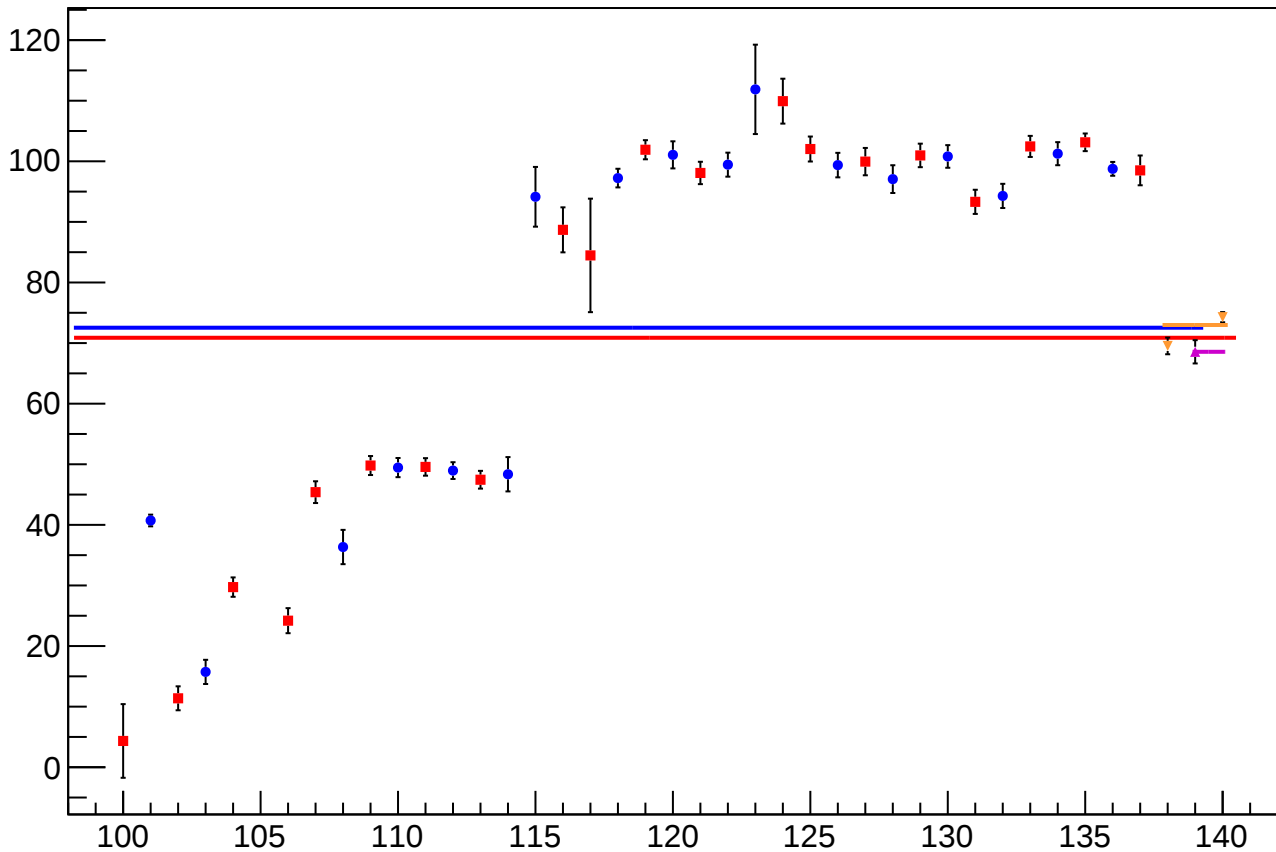
Right Out: -18.343 ± 0.643 χ^2/NDF : 475.1/19

Left In: -55.581 ± 1.187 χ^2/NDF : 0.0/0

-24.520 ± 0.496 χ^2/NDF : 689.1/18

-26.796 ± 0.565 χ^2/NDF : 1236.4/20

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2 /NDF: 4684.1/16

Left Out: 72.984+/-0.718 χ^2 /NDF: 8.7/1

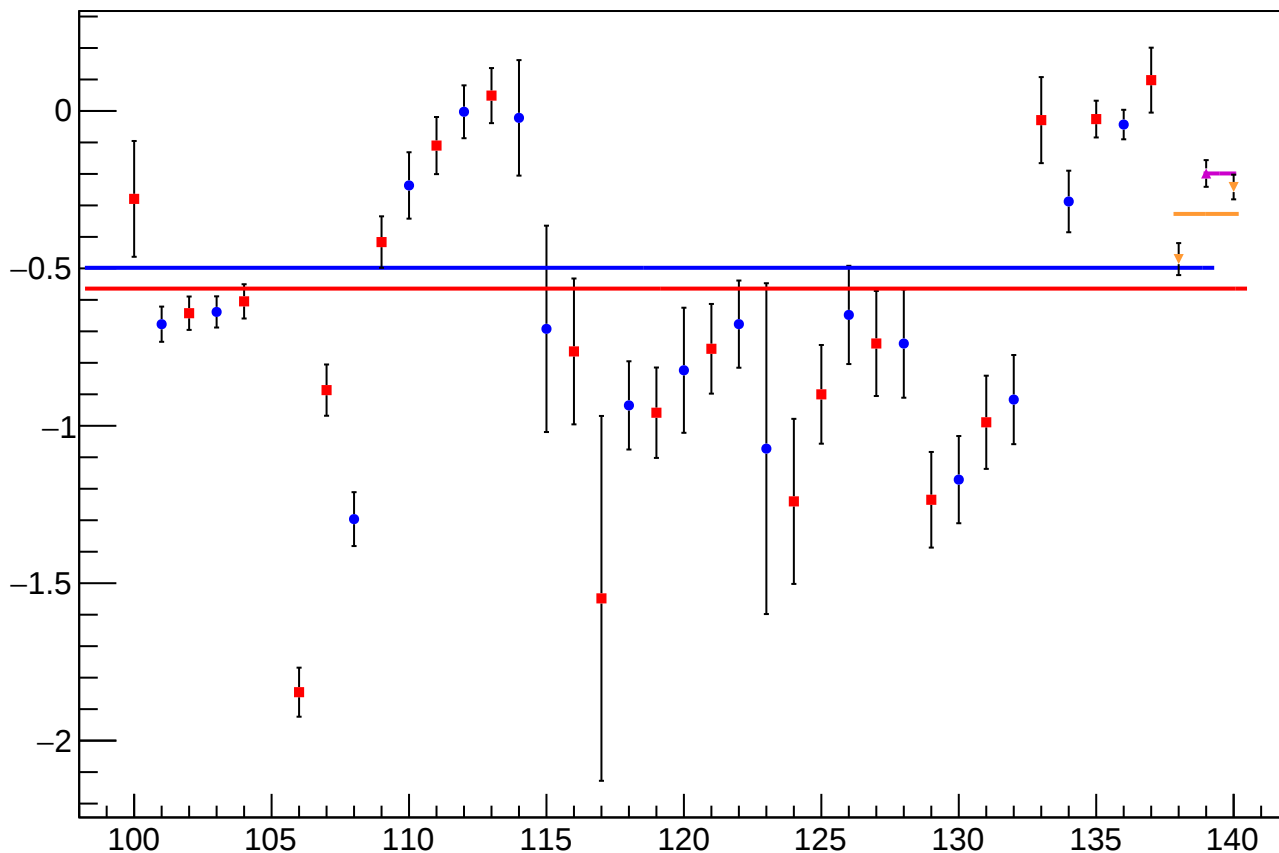
Right Out: 70.878+/-0.433 χ^2 /NDF: 5502.3/19

Left In: 68.561+/-1.921 χ^2 /NDF: 0.0/0

72.654+/-0.368 χ^2 /NDF: 4693.1/18

70.766+/-0.422 χ^2 /NDF: 5503.7/20

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.327 ± 0.031 χ^2/NDF : 12.7/1

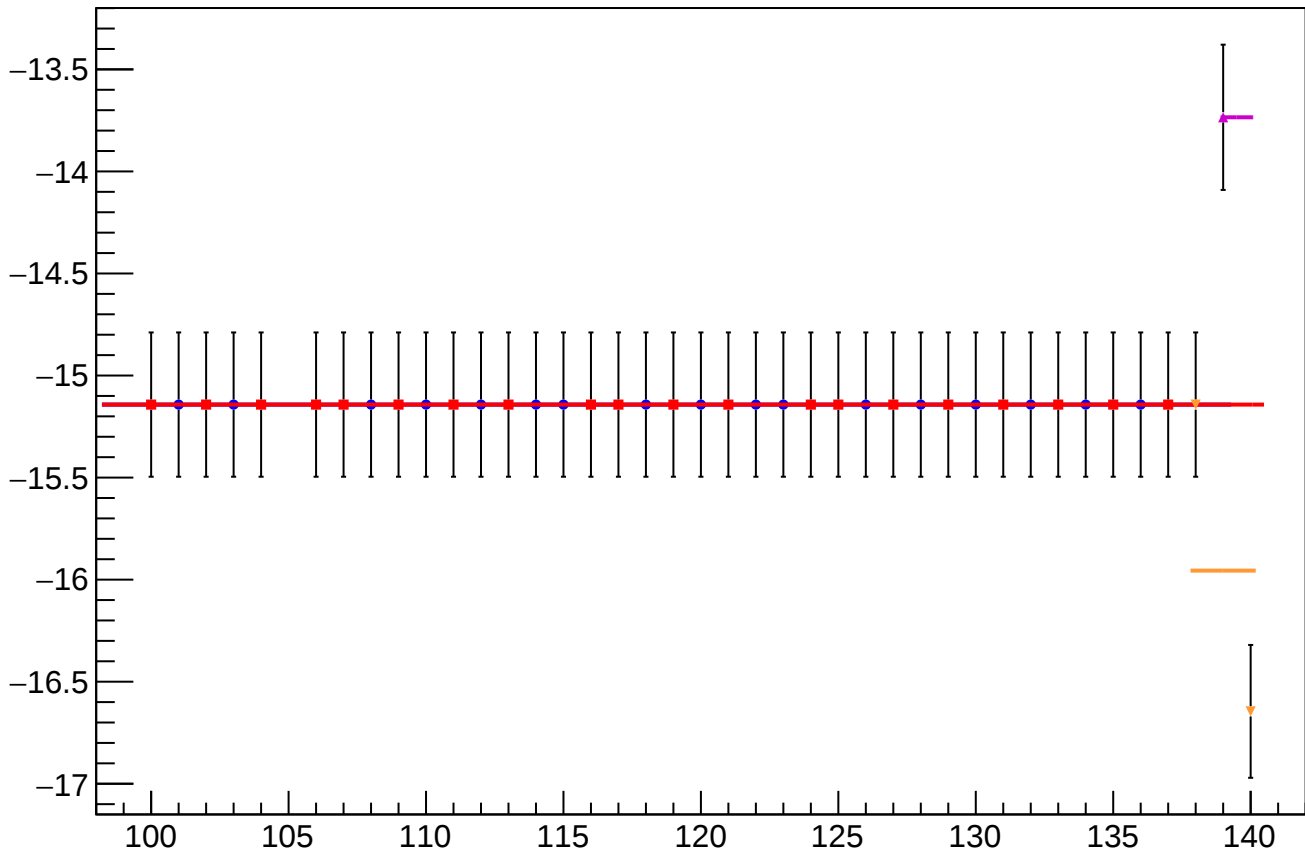
Right Out: -0.564 ± 0.021 χ^2/NDF : 563.6/19

Left In: -0.199 ± 0.042 χ^2/NDF : 0.0/0

-0.440 ± 0.018 χ^2/NDF : 335.5/18

-0.490 ± 0.019 χ^2/NDF : 622.9/20

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.142 ± 0.086 χ^2/NDF : 0.0/16

Left Out: -15.956 ± 0.239 χ^2/NDF : 9.8/1

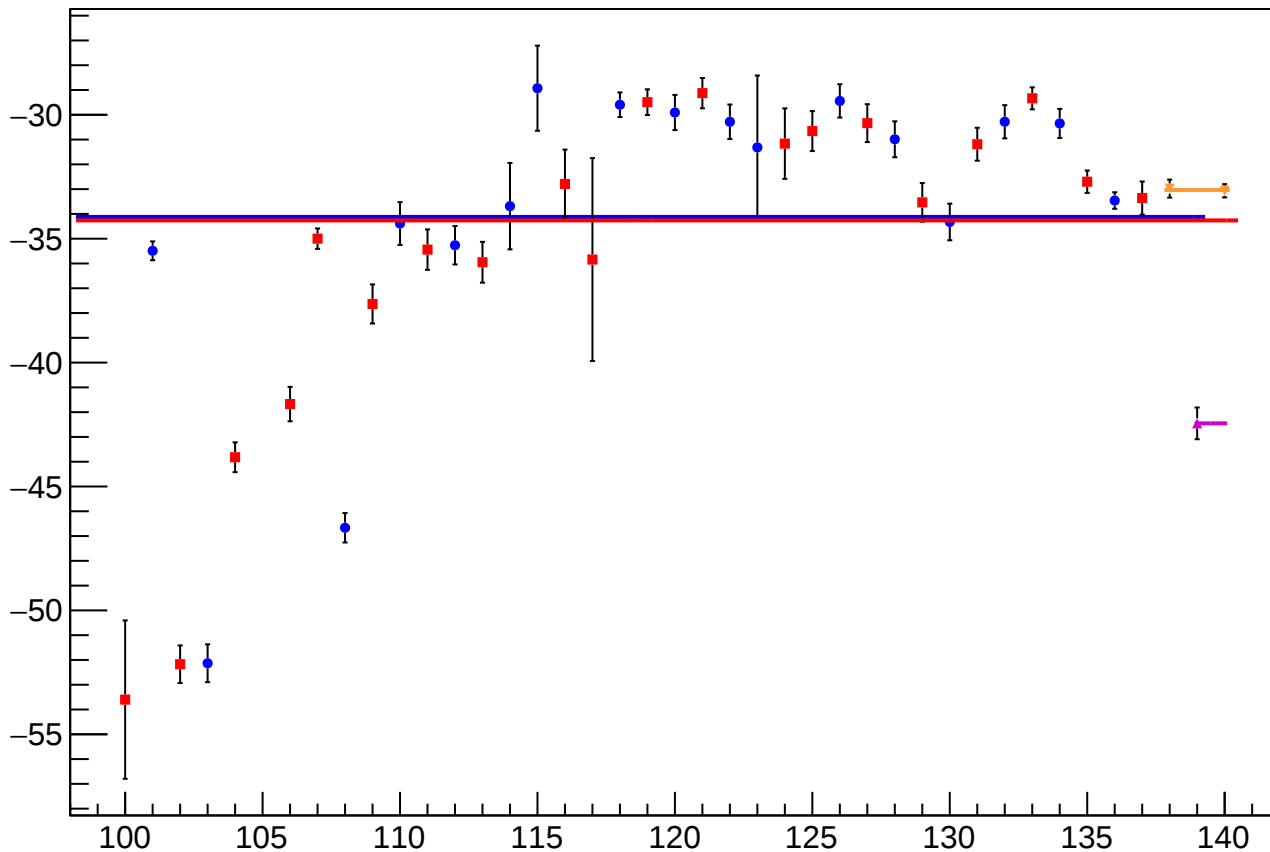
Right Out: -15.142 ± 0.079 χ^2/NDF : 0.0/19

Left In: -13.735 ± 0.356 χ^2/NDF : 0.0/0

-15.235 ± 0.081 χ^2/NDF : 20.0/18

-15.076 ± 0.077 χ^2/NDF : 14.9/20

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -33.036 ± 0.216 $\chi^2/\text{NDF}: 0.0/1$

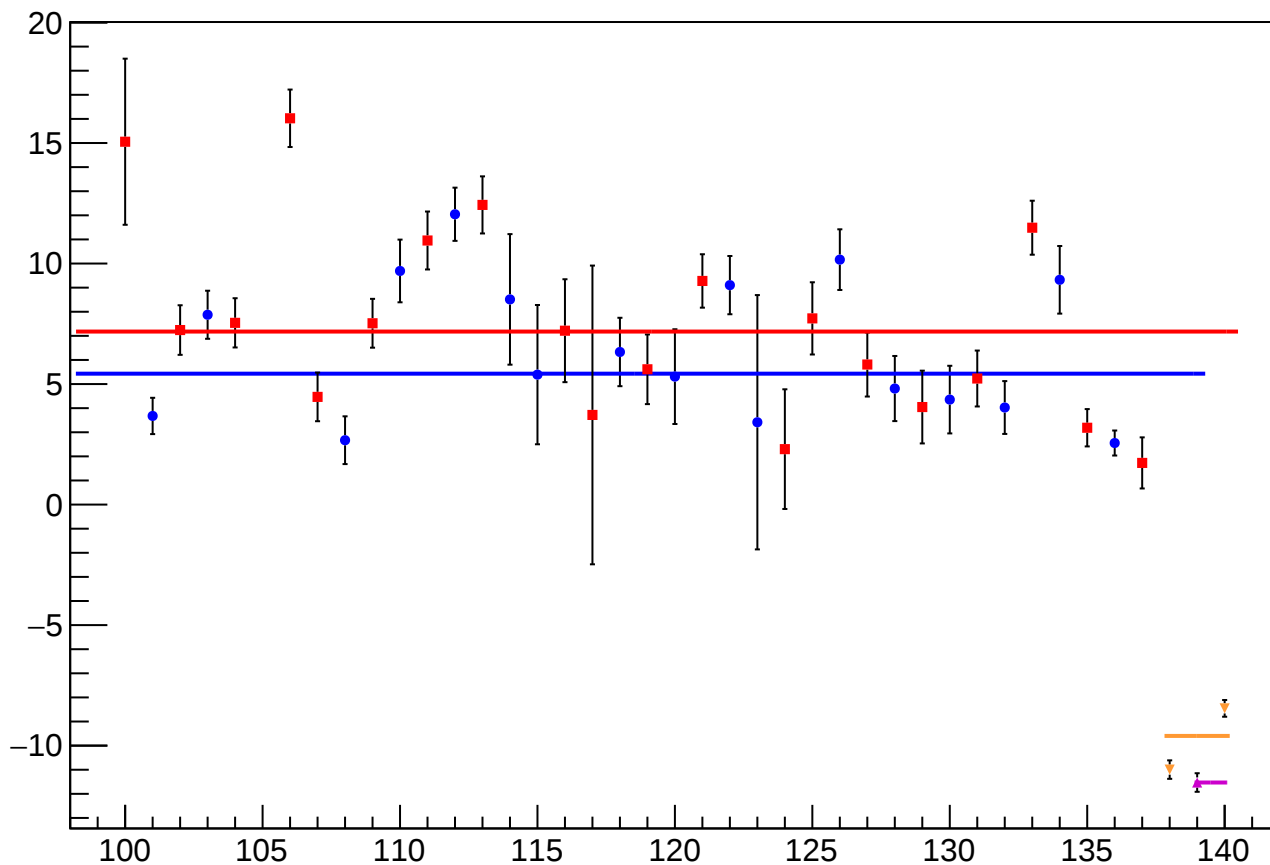
Right Out: -34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

Left In: -42.452 ± 0.640 $\chi^2/\text{NDF}: 0.0/0$

-33.762 ± 0.124 $\chi^2/\text{NDF}: 1339.4/18$

-34.692 ± 0.147 $\chi^2/\text{NDF}: 1510.2/20$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 $\pm$ 0.270 χ^2 /NDF: 132.0/16

Left Out: -9.597 $\pm$ 0.257 χ^2 /NDF:24.1/1

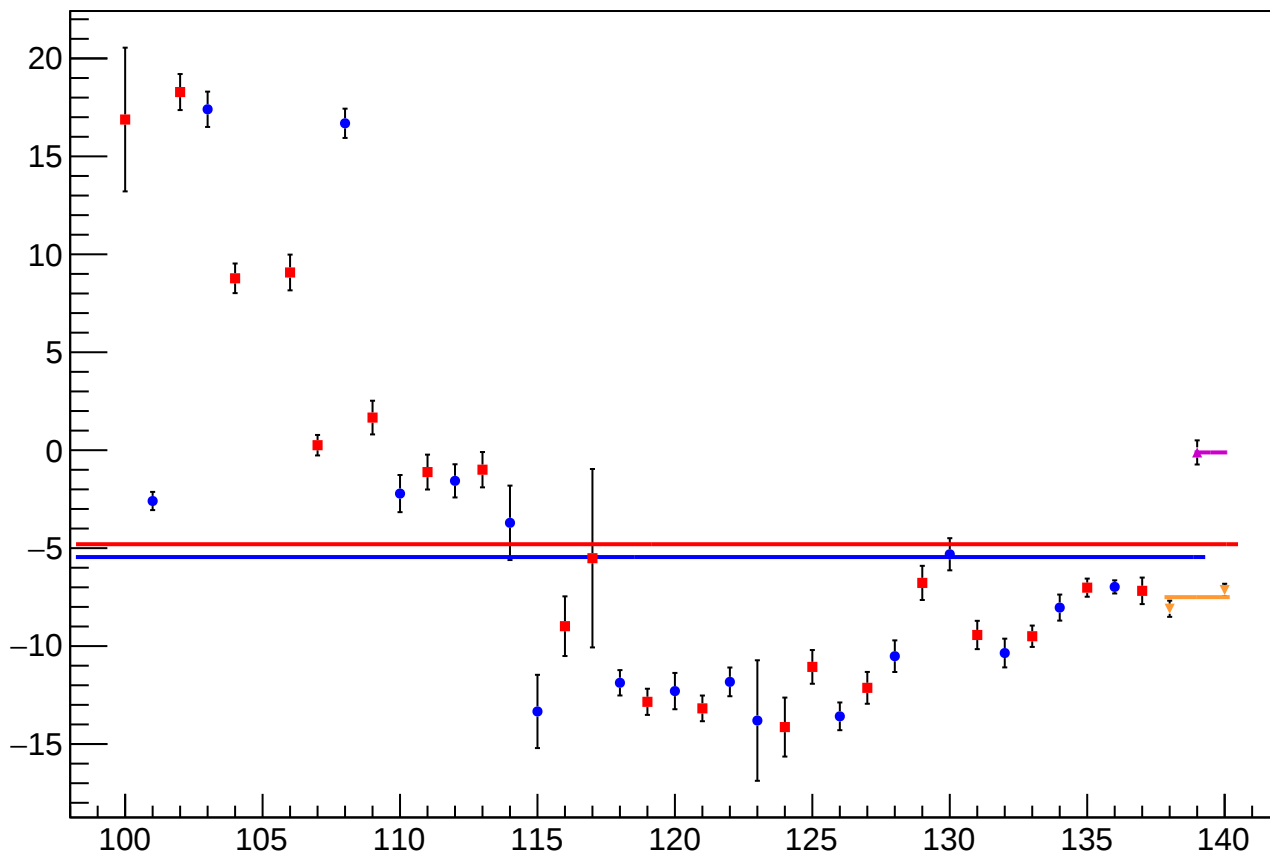
Right Out: 7.178 $\pm$ 0.274 χ^2 /NDF: 182.4/19

Left In: -11.530 $\pm$ 0.385 χ^2 /NDF:0.0/0

-2.461 $\pm$ 0.186 χ^2 /NDF: 1778.3/18

0.888 $\pm$ 0.223 χ^2 /NDF: 1747.8/20

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455+/-0.171 χ^2/NDF : 2096.5/16

Left Out: -7.502+/-0.254 χ^2/NDF : 3.3/1

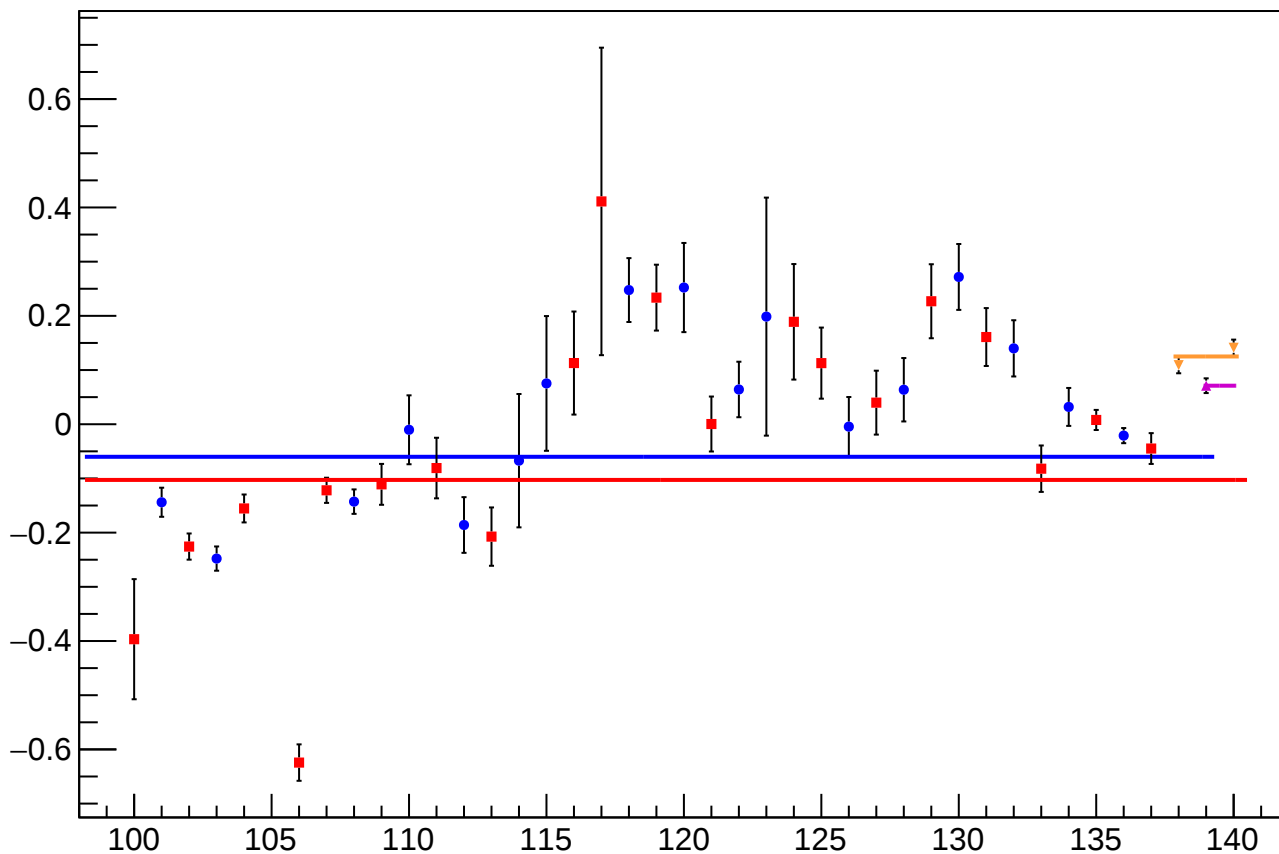
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -0.114+/-0.616 χ^2/NDF : 0.0/0

-6.091+/-0.142 χ^2/NDF : 2144.4/18

-4.458+/-0.166 χ^2/NDF : 2101.1/20

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.125 ± 0.011 χ^2/NDF : 2.3/1

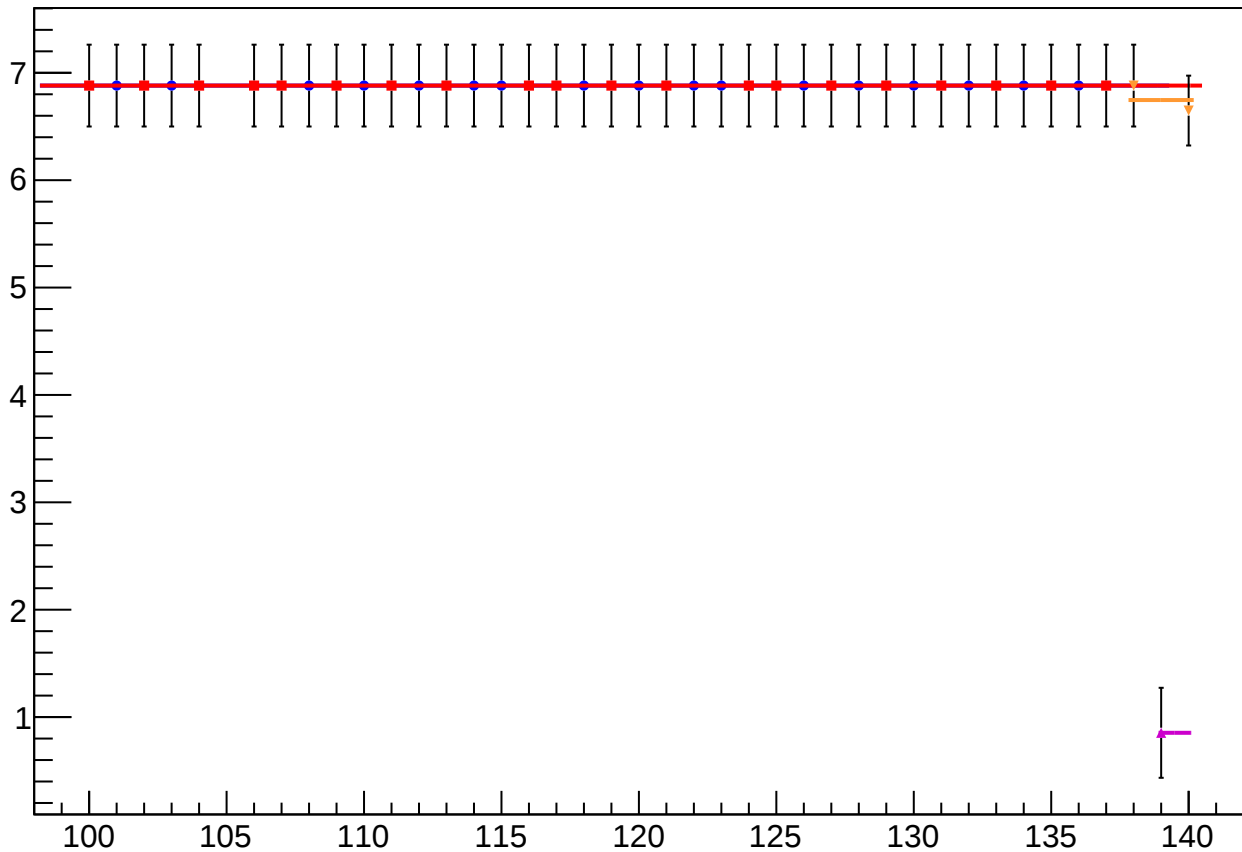
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.071 ± 0.014 χ^2/NDF : 0.0/0

0.011 ± 0.007 χ^2/NDF : 404.6/18

-0.054 ± 0.007 χ^2/NDF : 555.8/20

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 6.881 $\pm$ 0.092 χ^2 /NDF: 0.0/16

Left Out: 6.746 $\pm$ 0.247 χ^2 /NDF: 0.2/1

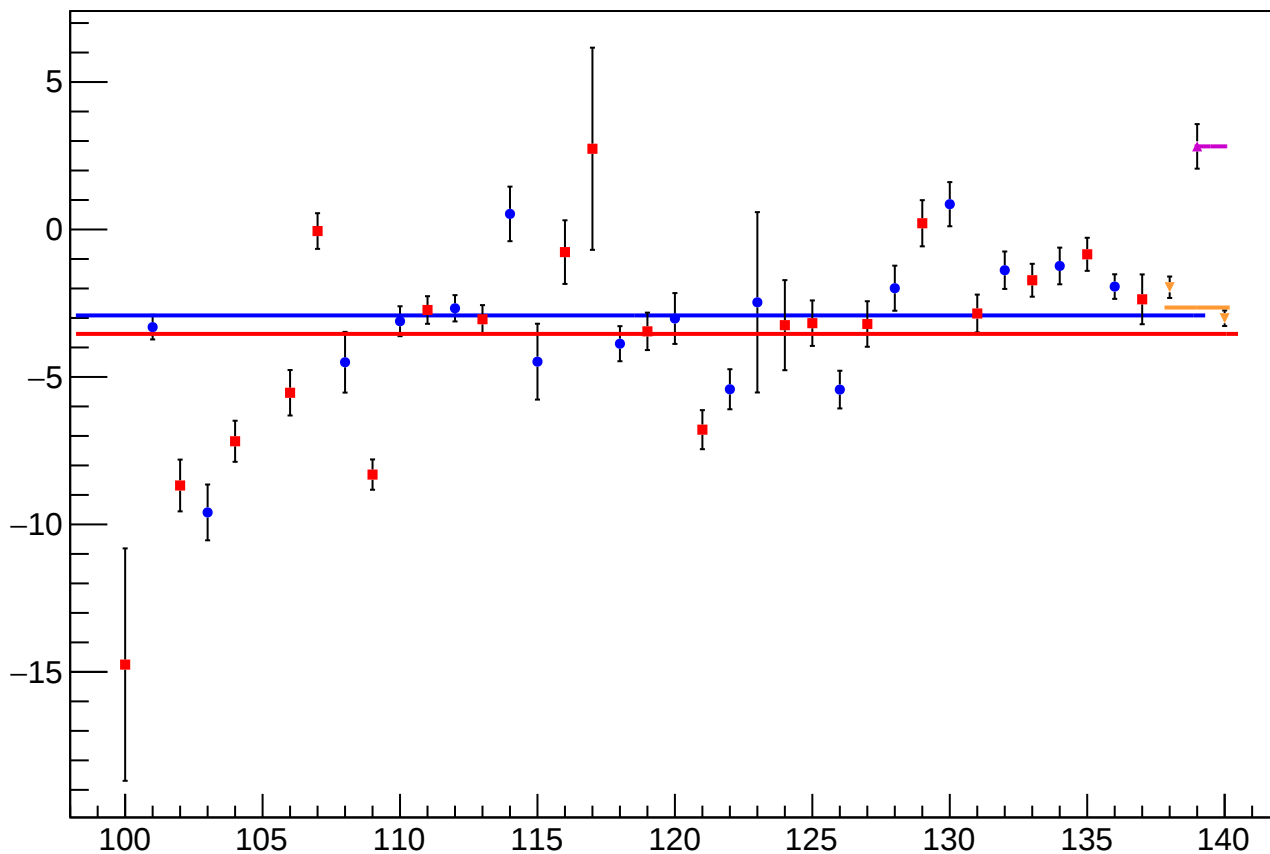
Right Out: 6.881 $\pm$ 0.085 χ^2 /NDF: 0.0/19

Left In: 0.854 $\pm$ 0.419 χ^2 /NDF: 0.0/0

6.864 $\pm$ 0.087 χ^2 /NDF: 0.5/18

6.642 $\pm$ 0.083 χ^2 /NDF: 198.7/20

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 $\pm$ 0.155 χ^2 /NDF: 146.1/16

Left Out: -2.646 $\pm$ 0.214 χ^2 /NDF: 5.5/1

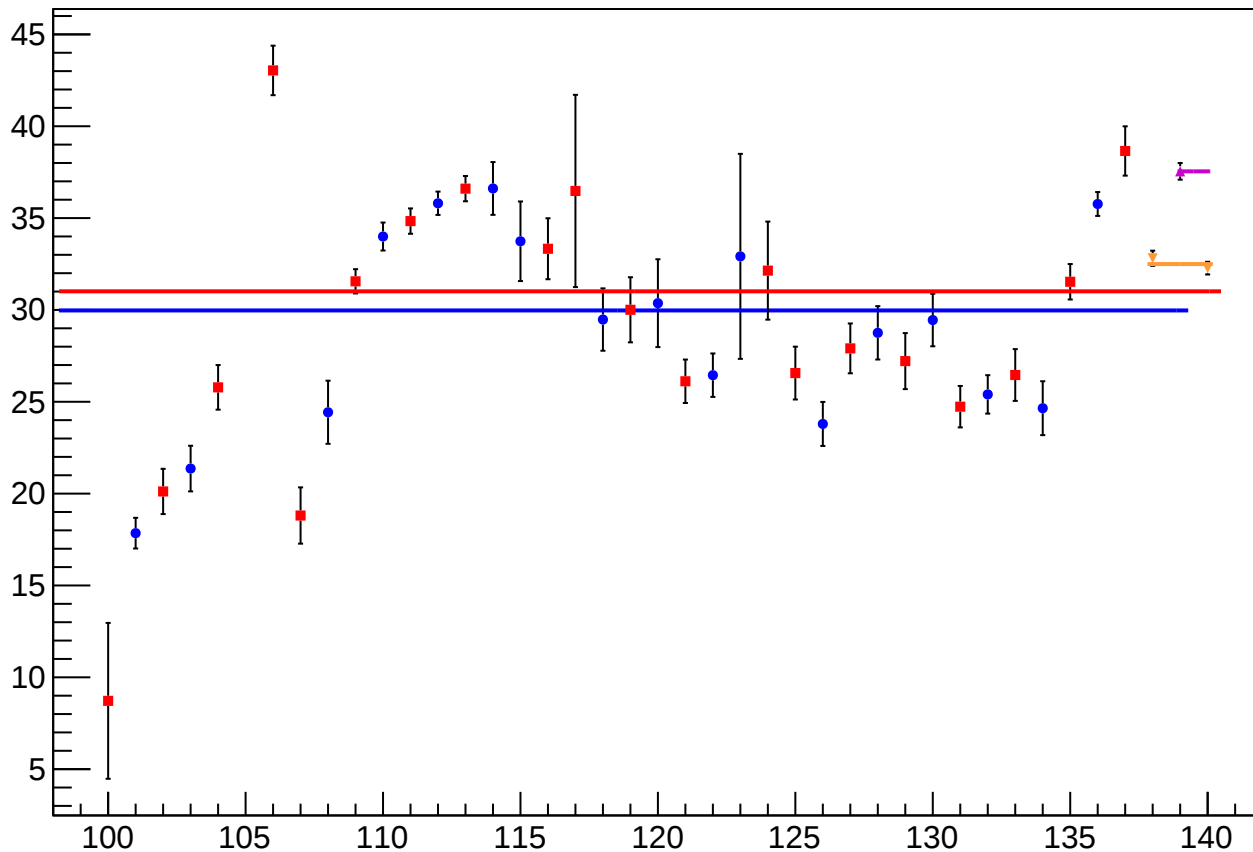
Right Out: -3.540 $\pm$ 0.154 χ^2 /NDF: 294.2/19

Left In: 2.818 $\pm$ 0.755 χ^2 /NDF: 0.0/0

-2.821 $\pm$ 0.125 χ^2 /NDF: 152.6/18

-3.285 $\pm$ 0.151 χ^2 /NDF: 362.2/20

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 32.497 $\pm$ 0.265 χ^2 /NDF: 1.0/1

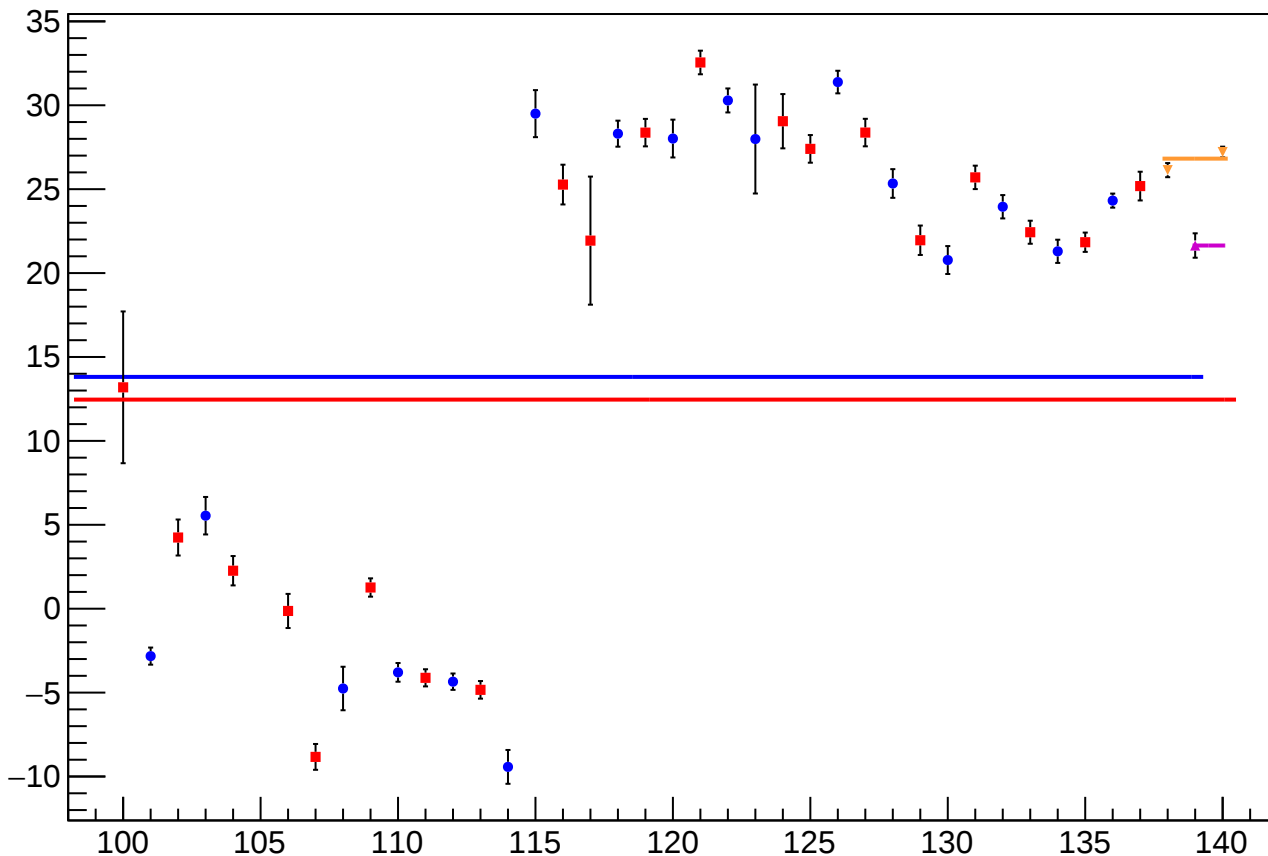
Right Out: 31.013 $\pm$ 0.260 χ^2 /NDF: 480.6/19

Left In: 37.544 $\pm$ 0.454 χ^2 /NDF: 0.0/0

31.244 $\pm$ 0.188 χ^2 /NDF: 600.2/18

32.626 $\pm$ 0.225 χ^2 /NDF: 636.7/20

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813+/-0.173 χ^2/NDF : 7318.6/16

Left Out: 26.820+/-0.255 χ^2/NDF : 4.2/1

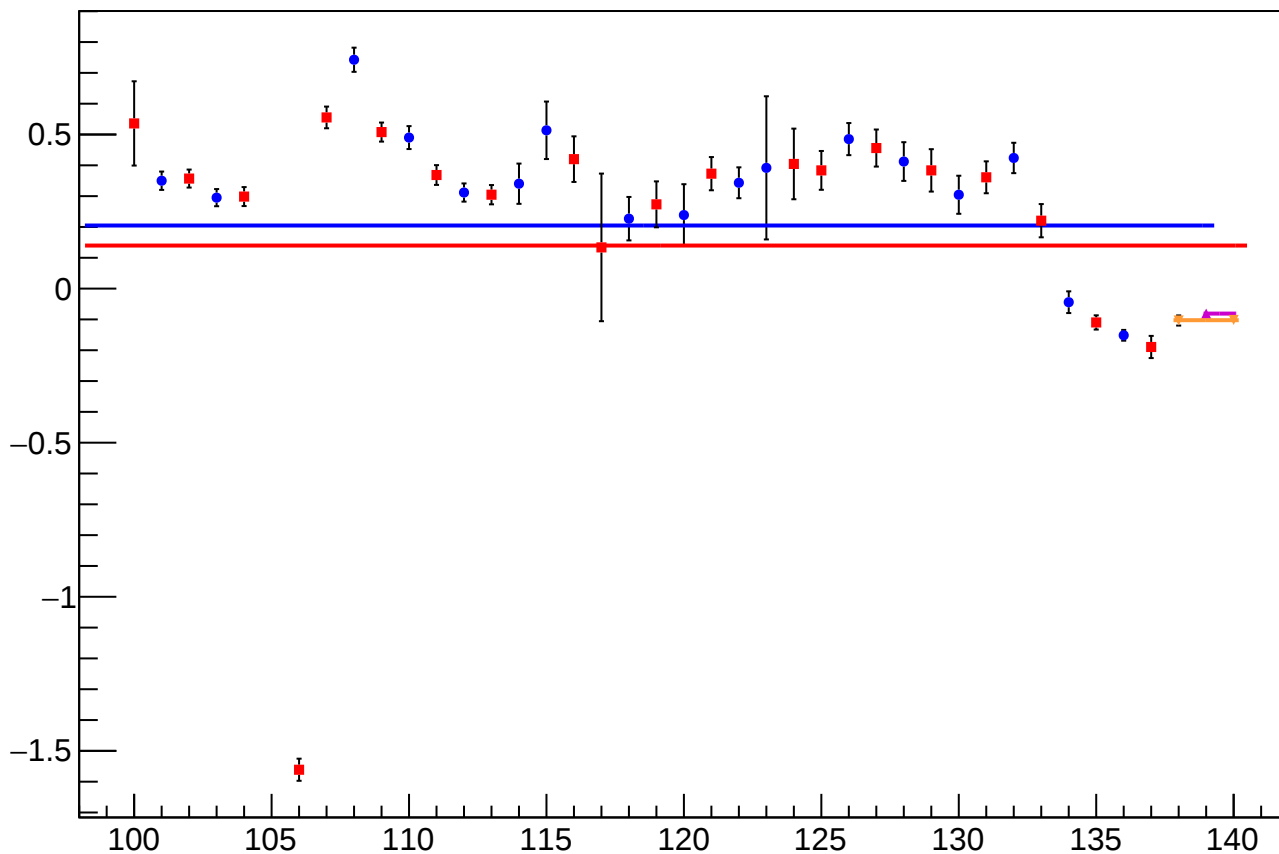
Right Out: 12.460+/-0.174 χ^2/NDF : 6976.5/19

Left In: 21.642+/-0.727 χ^2/NDF : 0.0/0

17.911+/-0.143 χ^2/NDF : 9110.4/18

12.955+/-0.169 χ^2/NDF : 7127.3/20

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205+/-0.009 χ^2/NDF : 845.8/16

Left Out: -0.103+/-0.011 χ^2/NDF : 0.0/1

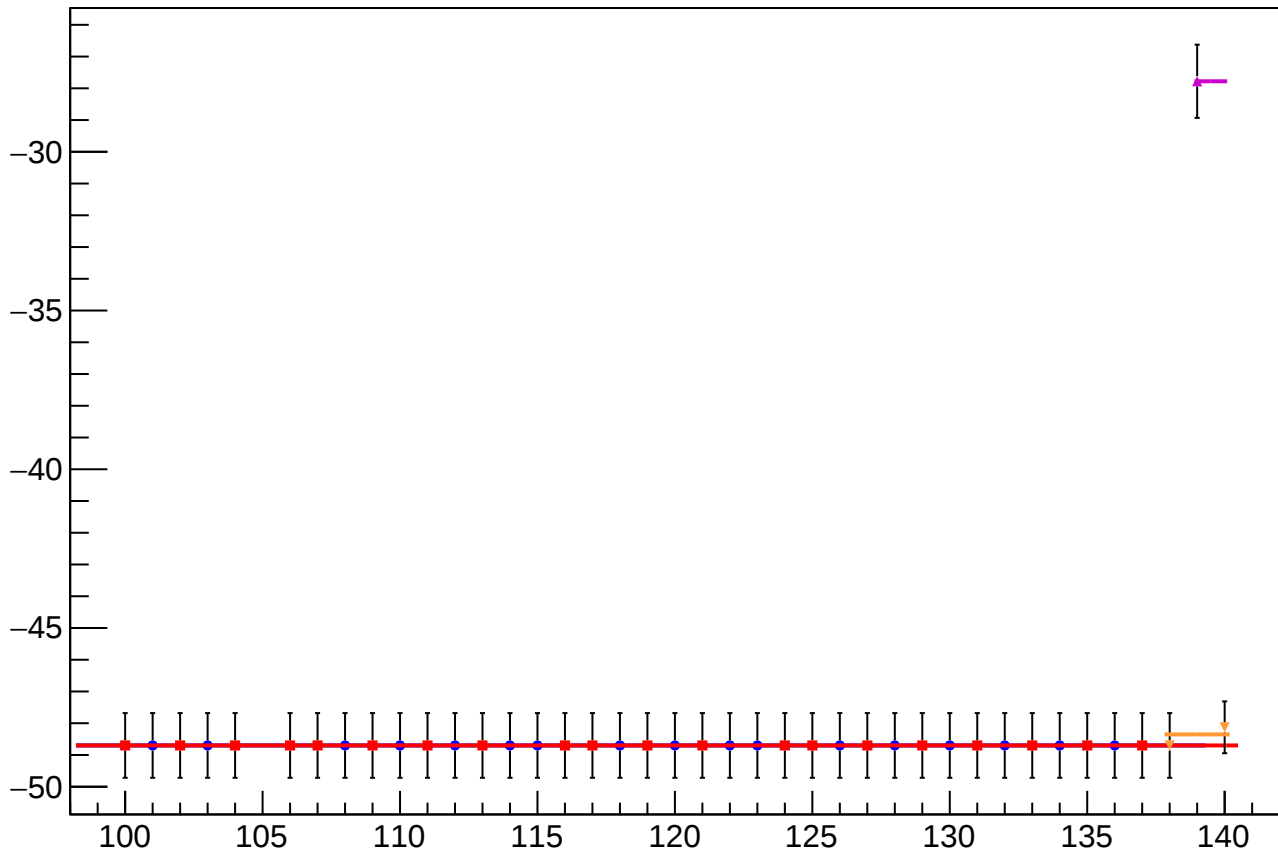
Right Out: 0.140+/-0.009 χ^2/NDF : 3014.2/19

Left In: -0.081+/-0.016 χ^2/NDF : 0.0/0

0.077+/-0.007 χ^2/NDF : 1292.6/18

0.085+/-0.008 χ^2/NDF : 3156.8/20

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -48.699 ± 0.247 χ^2/NDF : 0.0/16

Left Out: -48.352 ± 0.637 χ^2/NDF : 0.2/1

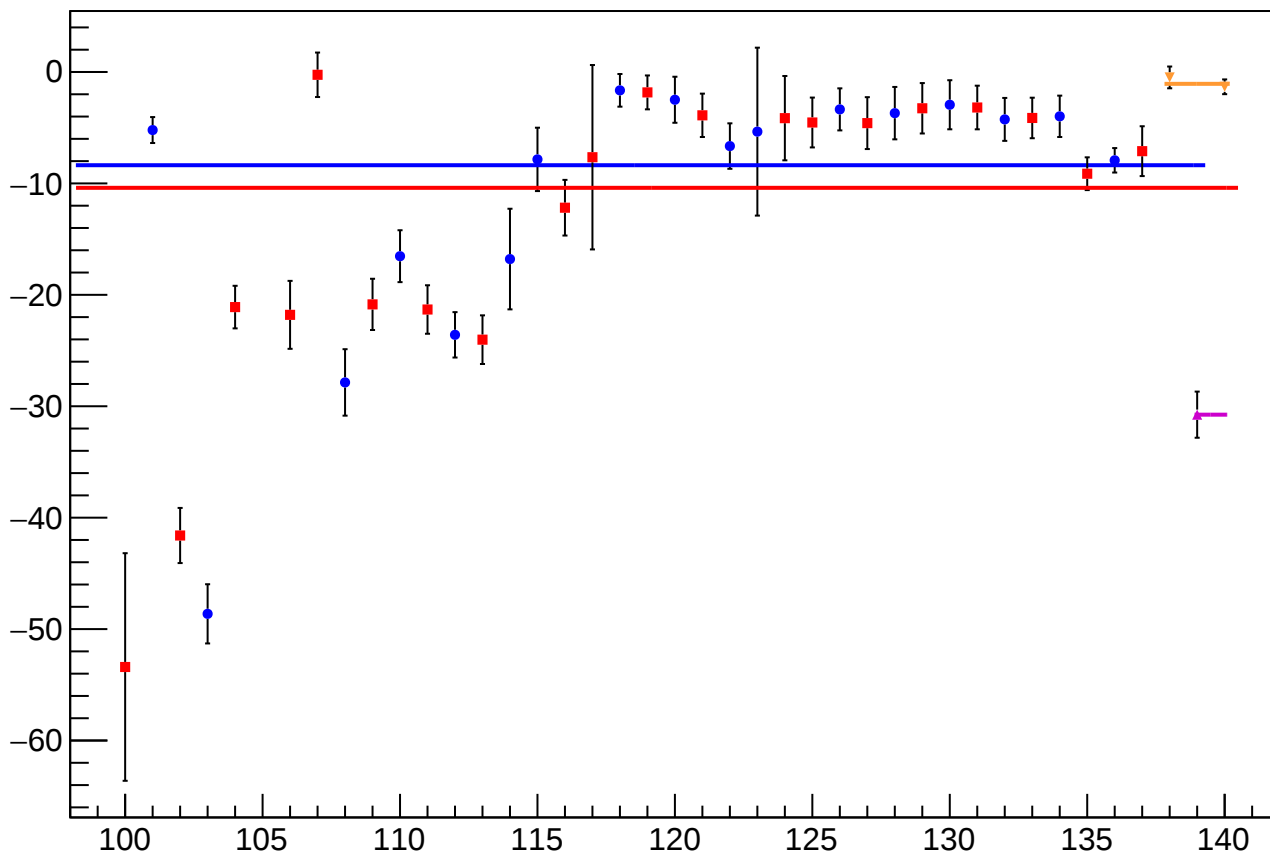
Right Out: -48.699 ± 0.228 χ^2/NDF : 0.0/19

Left In: -27.779 ± 1.153 χ^2/NDF : 0.0/0

-48.654 ± 0.230 χ^2/NDF : 0.4/18

-47.913 ± 0.224 χ^2/NDF : 316.8/20

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367+/-0.466 χ^2/NDF : 408.8/16

Left Out: -1.064+/-0.548 χ^2/NDF : 0.5/1

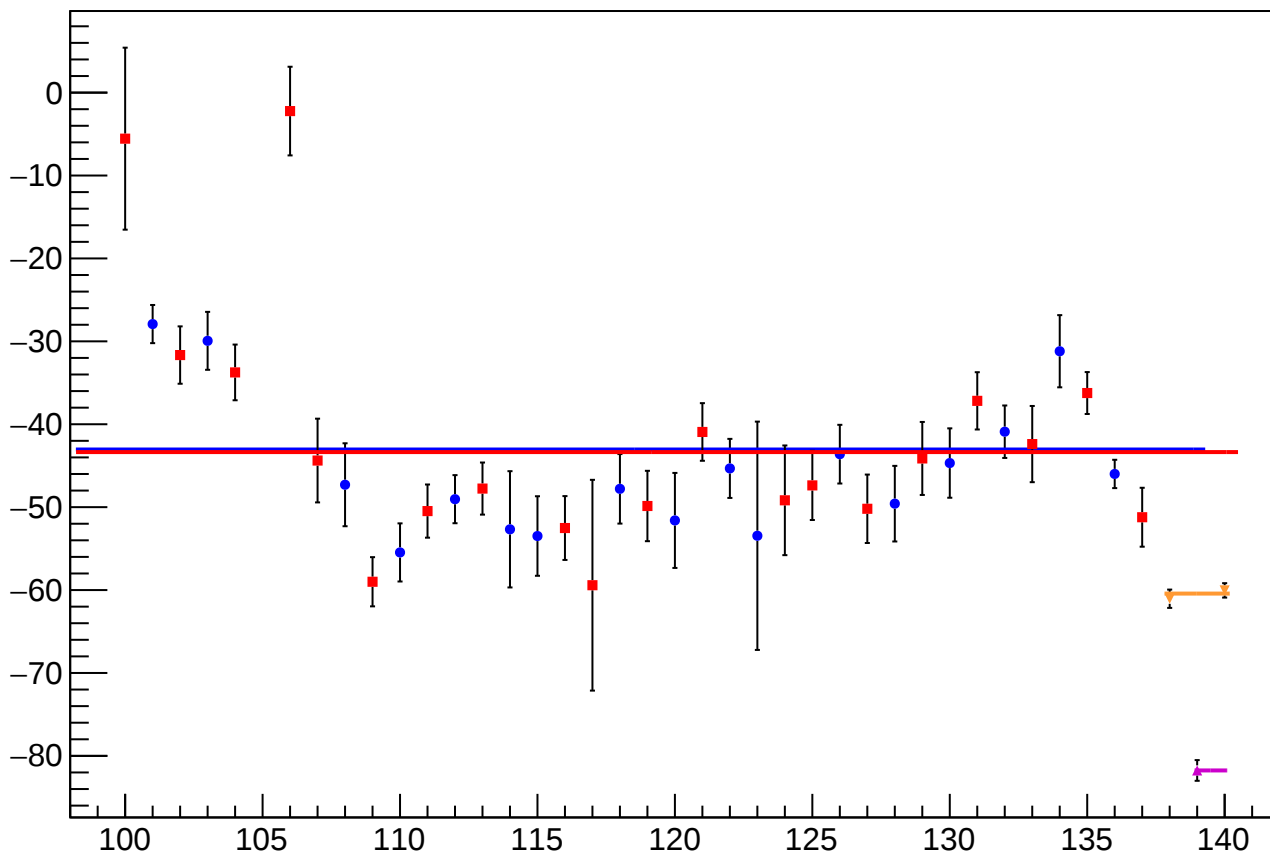
Right Out: -10.396+/-0.490 χ^2/NDF : 430.4/19

Left In: -30.756+/-2.071 χ^2/NDF : 0.0/0

-5.302+/-0.355 χ^2/NDF : 512.4/18

-11.476+/-0.477 χ^2/NDF : 522.0/20

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 χ^2/NDF : 99.0/16

Left Out: -60.425 ± 0.683 χ^2/NDF : 0.5/1

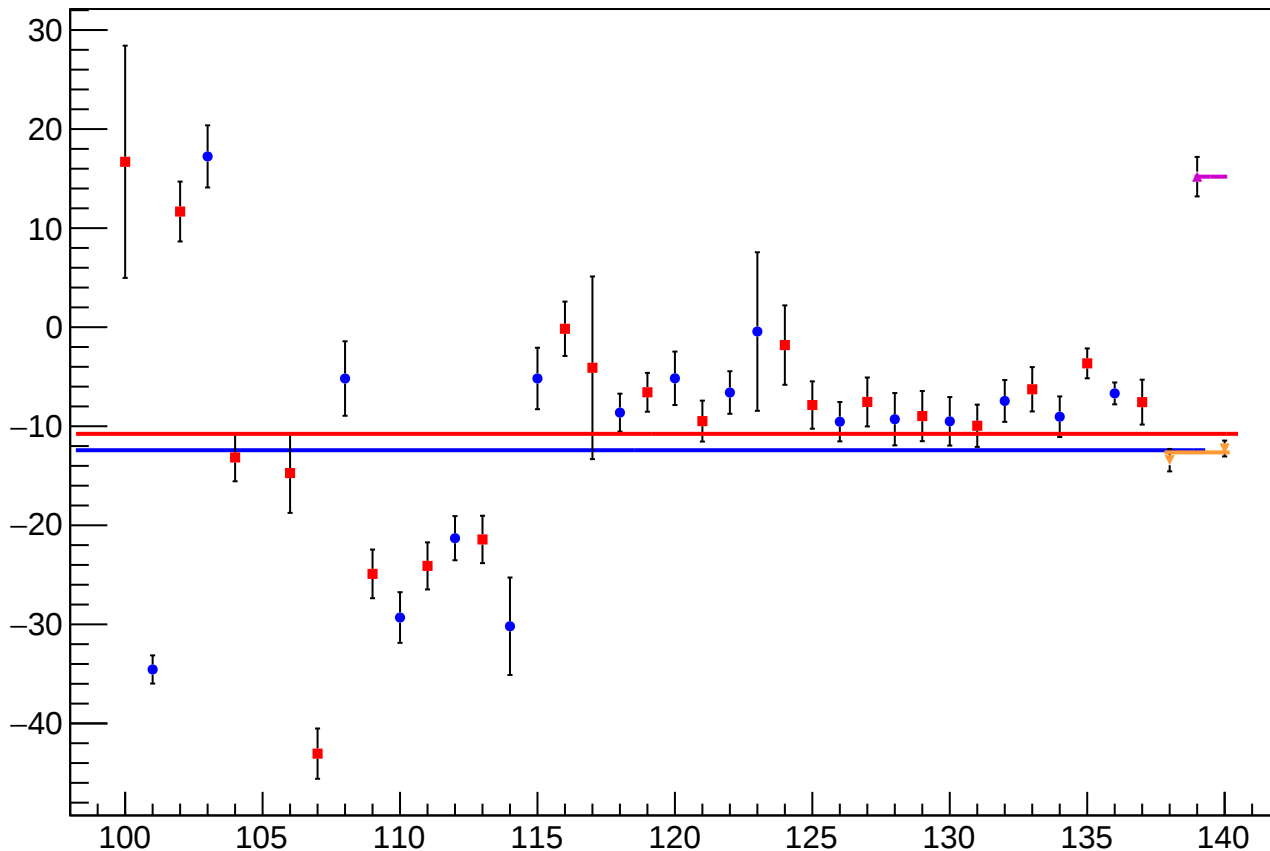
Right Out: -43.357 ± 0.865 χ^2/NDF : 156.0/19

Left In: -81.757 ± 1.249 χ^2/NDF : 0.0/0

-53.480 ± 0.529 χ^2/NDF : 358.1/18

-55.808 ± 0.711 χ^2/NDF : 794.8/20

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 $\pm$ 0.523 χ^2/NDF : 474.4/16

Left Out: -12.640 $\pm$ 0.654 χ^2/NDF : 0.7/1

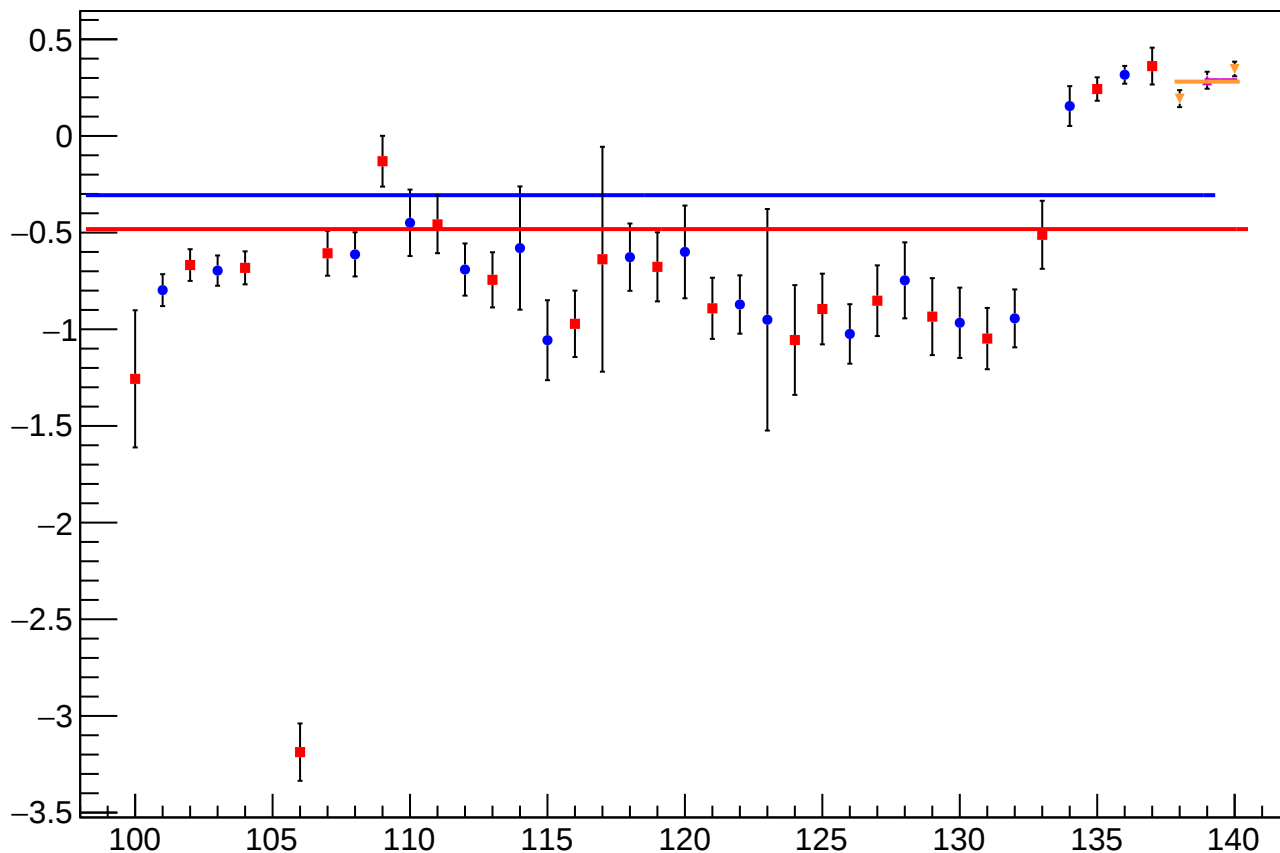
Right Out: -10.766 $\pm$ 0.553 χ^2/NDF : 366.3/19

Left In: 15.196 $\pm$ 1.993 χ^2/NDF : 0.0/0

-12.507 $\pm$ 0.408 χ^2/NDF : 475.2/18

-8.912 $\pm$ 0.533 χ^2/NDF : 523.9/20

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306+/-0.028 χ^2/NDF : 371.7/16

Left Out: 0.281+/-0.029 χ^2/NDF : 7.0/1

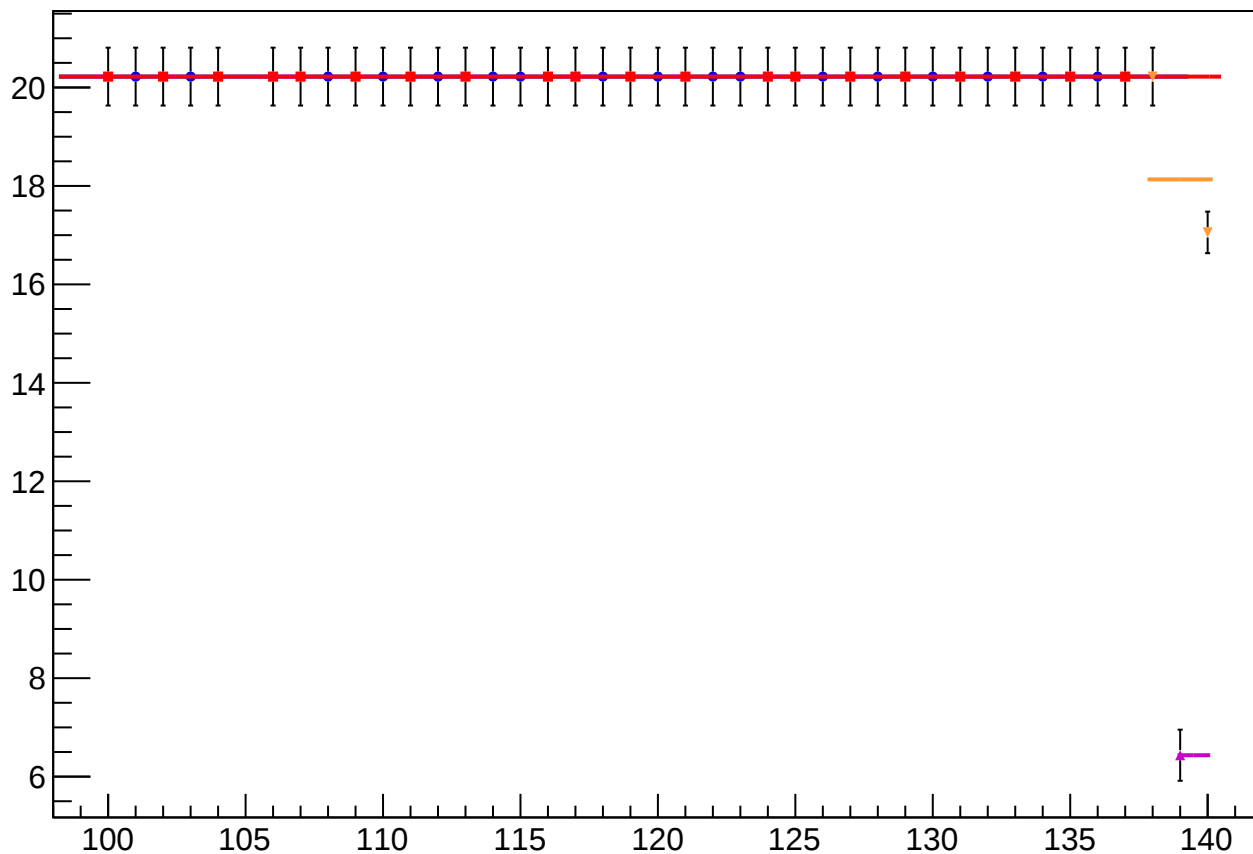
Right Out: -0.482+/-0.029 χ^2/NDF : 628.3/19

Left In: 0.288+/-0.044 χ^2/NDF : 0.0/0

-0.025+/-0.020 χ^2/NDF : 596.4/18

-0.253+/-0.024 χ^2/NDF : 844.1/20

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 20.221+/-0.143 χ^2/NDF : 0.0/16

Left Out: 18.133+/-0.343 χ^2/NDF :19.1/1

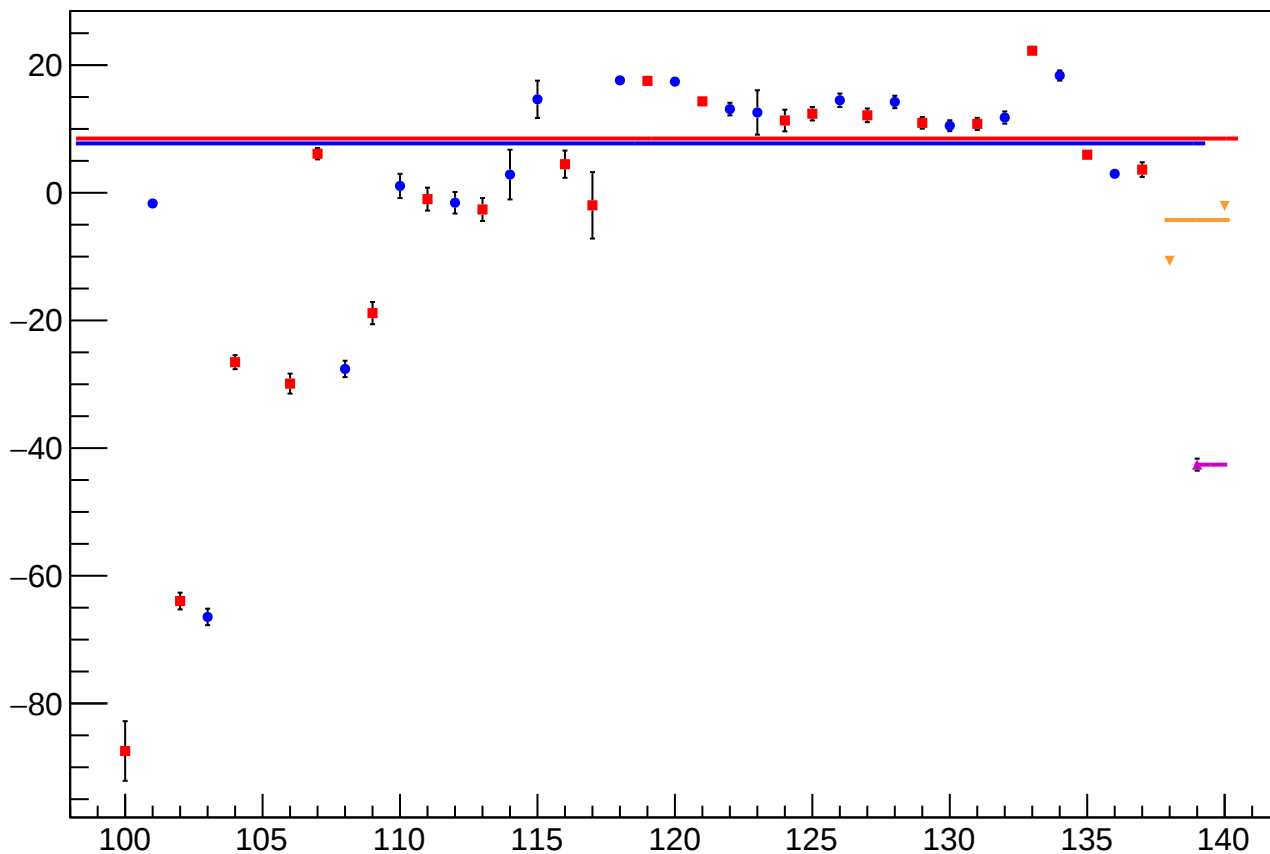
Right Out: 20.221+/-0.131 χ^2/NDF : 0.0/19

Left In: 6.435+/-0.519 χ^2/NDF :0.0/0

19.913+/-0.132 χ^2/NDF : 50.8/18

19.392 $\pm$ 0.127 χ^2 /NDF: 661.9/20

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 $\pm$ 0.218 χ^2 /NDF: 5300.6/16

Left Out: -4.259 $\pm$ 0.302 χ^2 /NDF: 154.3/1

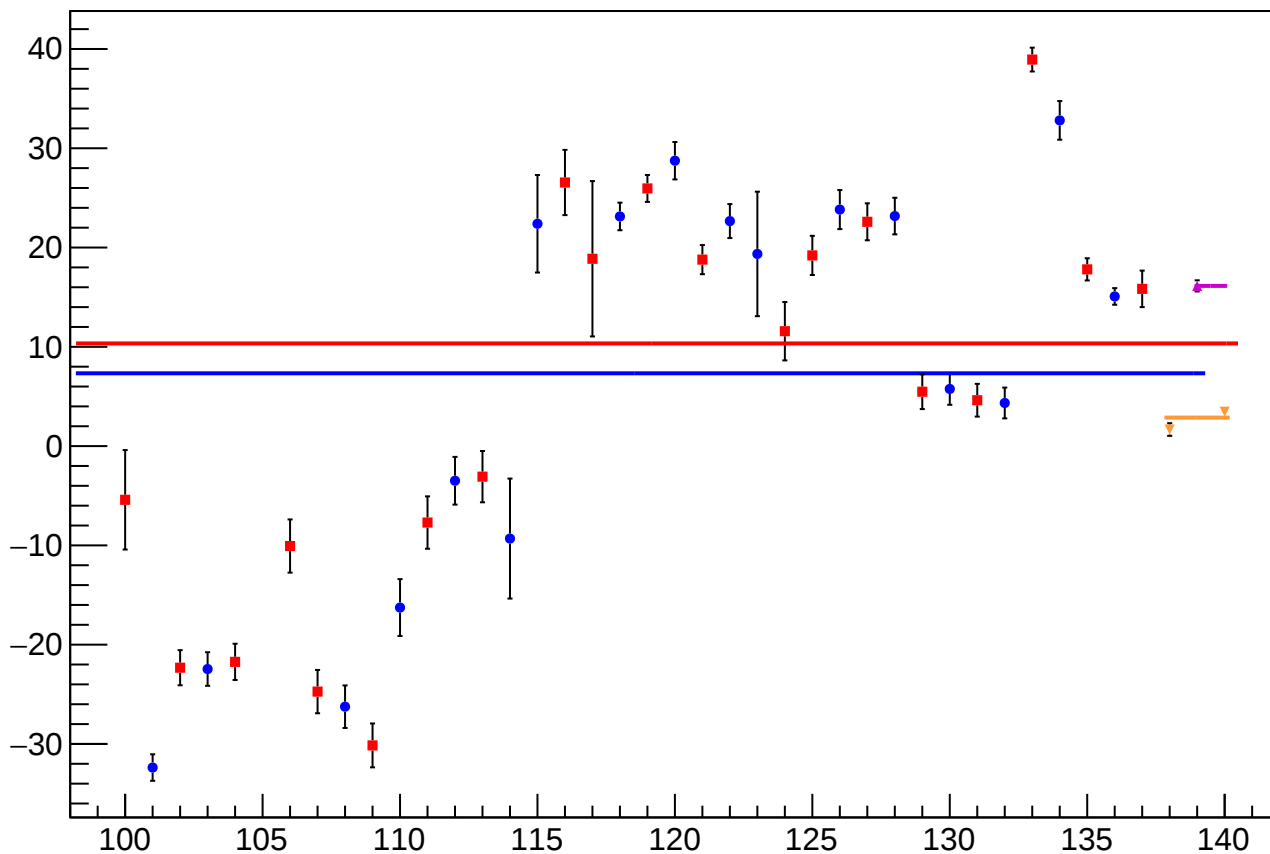
Right Out: 8.496 $\pm$ 0.213 χ^2 /NDF: 6723.5/19

Left In: -42.591 $\pm$ 0.945 χ^2 /NDF: 0.0/0

3.617 $\pm$ 0.177 χ^2 /NDF: 6494.0/18

6.024 $\pm$ 0.208 χ^2 /NDF: 9505.9/20

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 2.871 ± 0.367 χ^2/NDF : 5.3/1

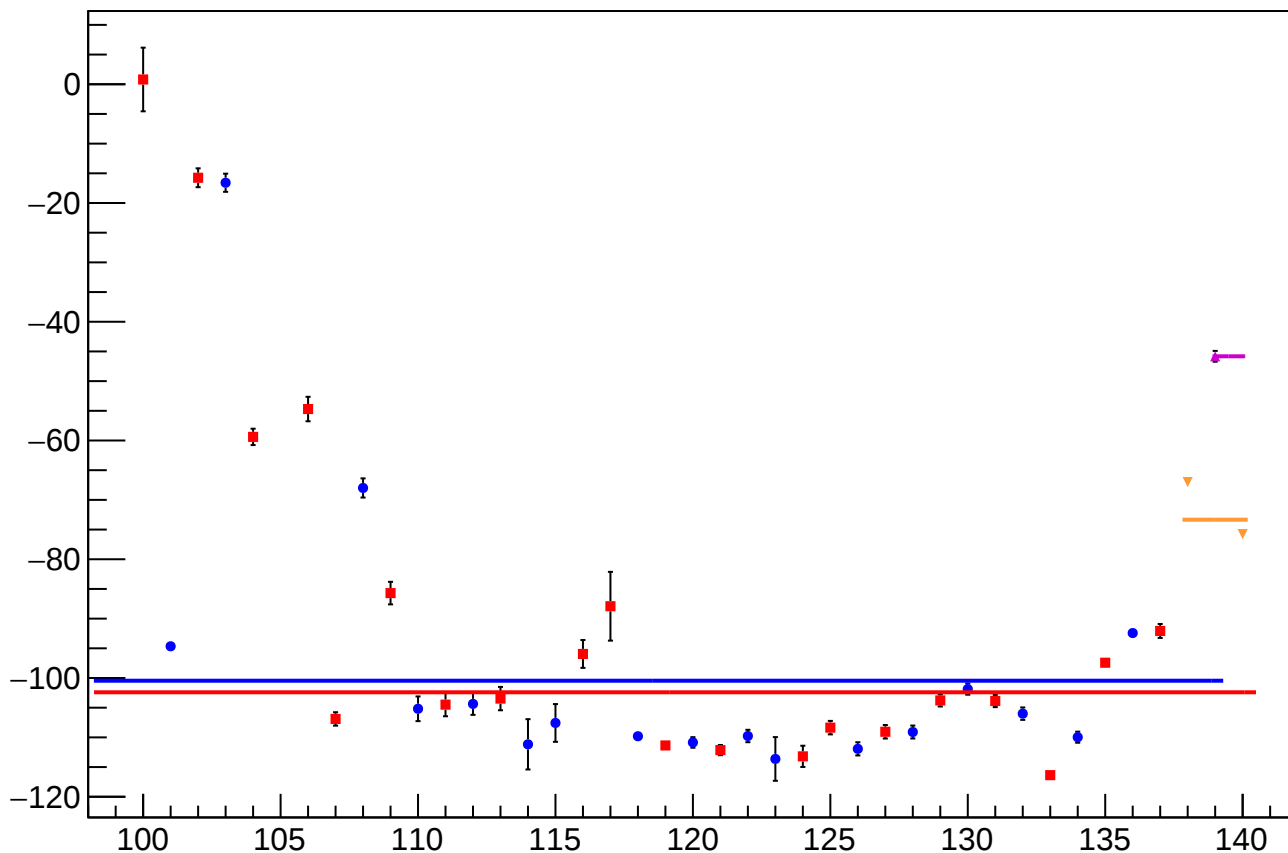
Right Out: 10.342 ± 0.416 χ^2/NDF : 2282.7/19

Left In: 16.139 ± 0.561 χ^2/NDF : 0.0/0

4.813 ± 0.276 χ^2/NDF : 2362.6/18

12.399 ± 0.334 χ^2/NDF : 2351.5/20

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -73.339 ± 0.358 χ^2/NDF : 119.9/1

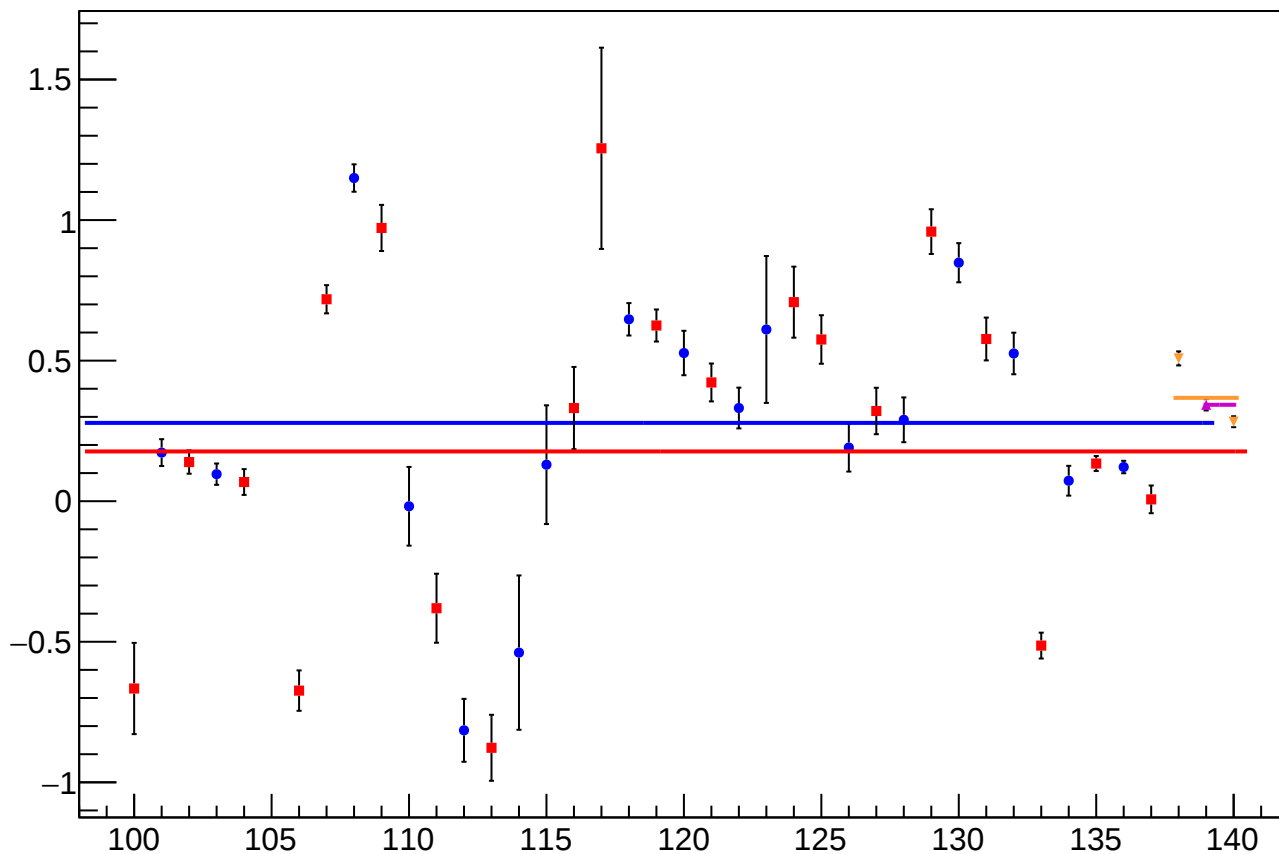
Right Out: -102.405 ± 0.246 χ^2/NDF : 6100.6/19

Left In: -45.818 ± 0.910 χ^2/NDF : 0.0/0

-91.542 ± 0.205 χ^2/NDF : 8426.0/18

-98.553 ± 0.238 χ^2/NDF : 9700.8/20

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 $\pm$ 0.014 χ^2/NDF : 653.9/16

Left Out: 0.368 $\pm$ 0.015 χ^2/NDF : 50.4/1

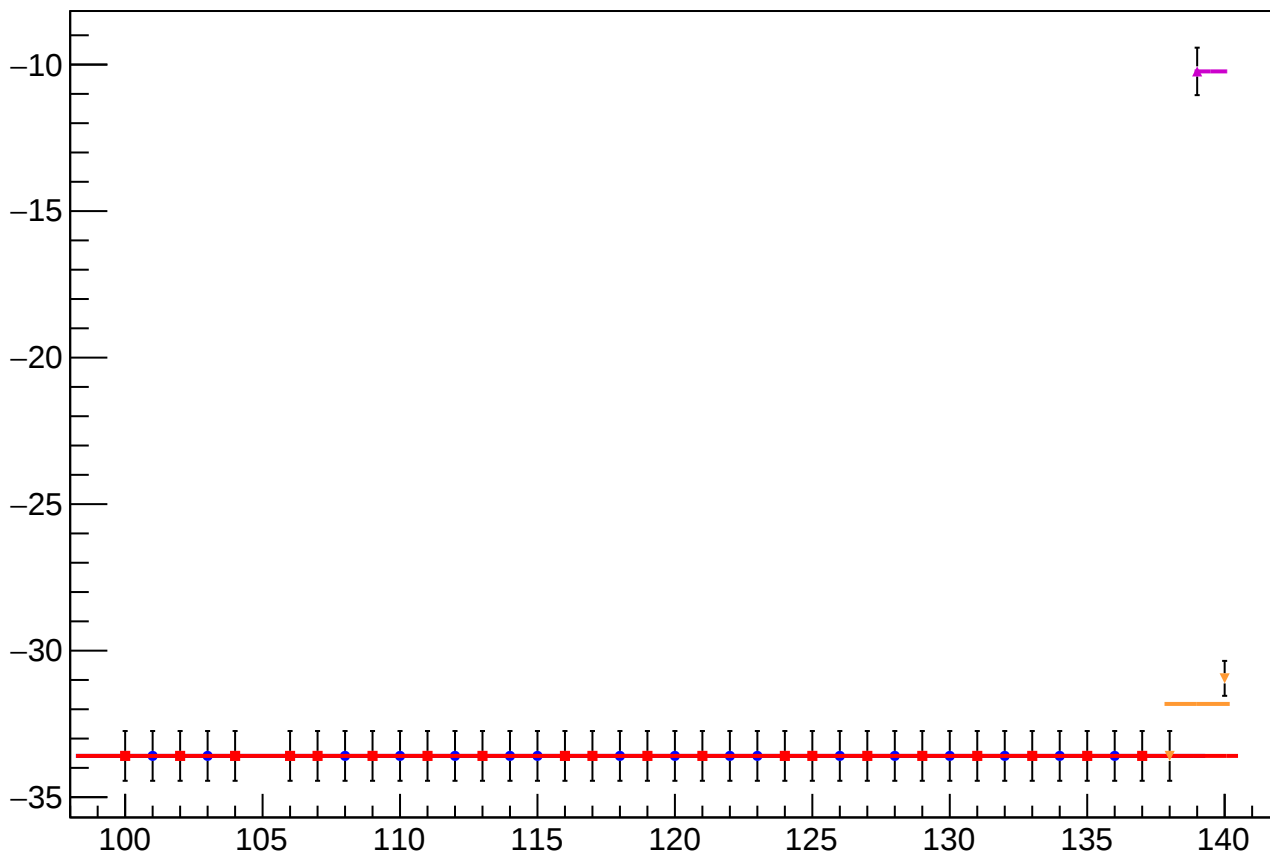
Right Out: 0.177 $\pm$ 0.013 χ^2/NDF : 976.8/19

Left In: 0.343 $\pm$ 0.020 χ^2/NDF : 0.0/0

0.317 $\pm$ 0.010 χ^2/NDF : 723.3/18

0.228 $\pm$ 0.011 χ^2/NDF : 1023.8/20

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -33.592 ± 0.206 χ^2/NDF : 0.0/16

-33.323 ± 0.190 χ^2/NDF : 17.7/18

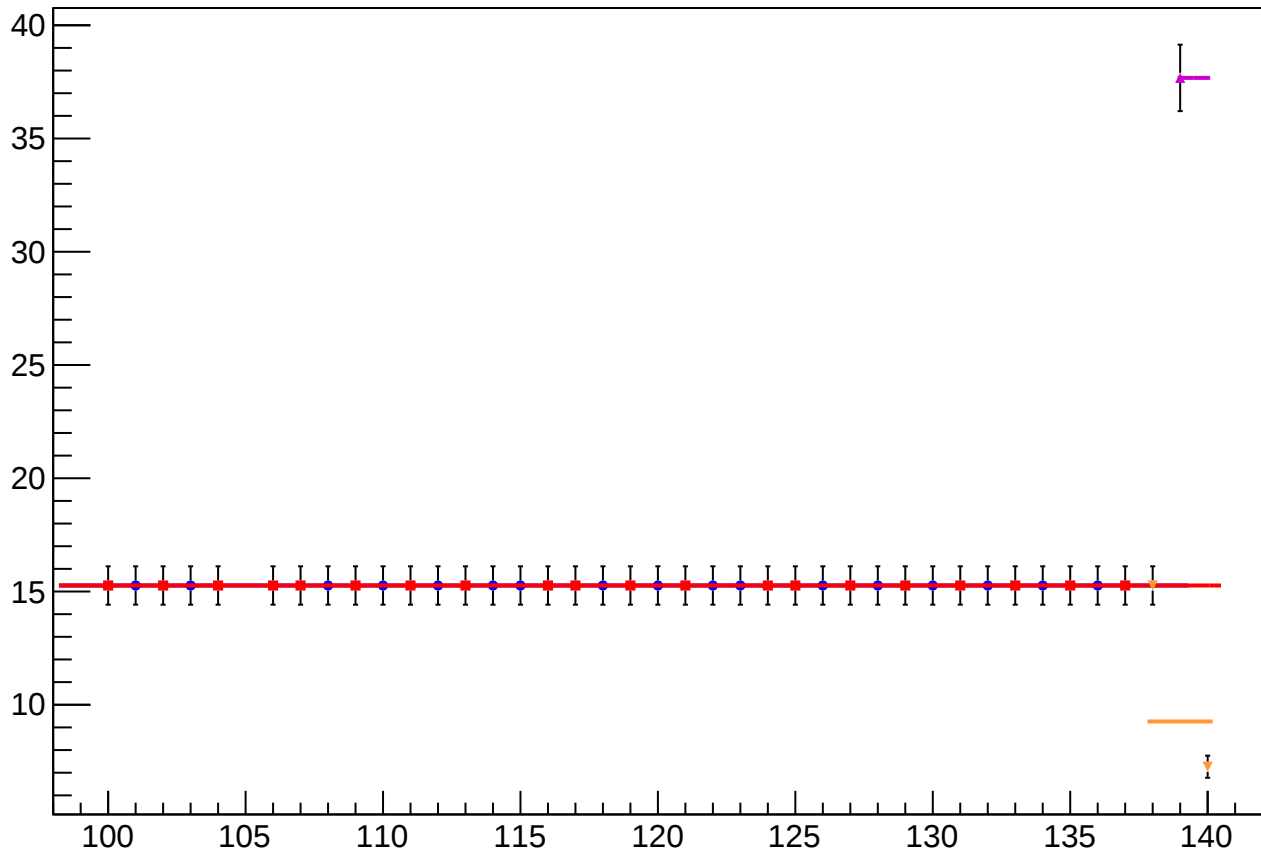
Left Out: -31.818 ± 0.488 χ^2/NDF : 6.5/1

Right Out: -33.592 ± 0.190 χ^2/NDF : 0.0/19

-32.373 ± 0.185 χ^2/NDF : 788.6/20

Left In: -10.233 ± 0.810 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 15.266 $\pm$ 0.205 χ^2/NDF : 0.0/16

Left Out: 9.262 $\pm$ 0.423 χ^2/NDF : 66.9/1

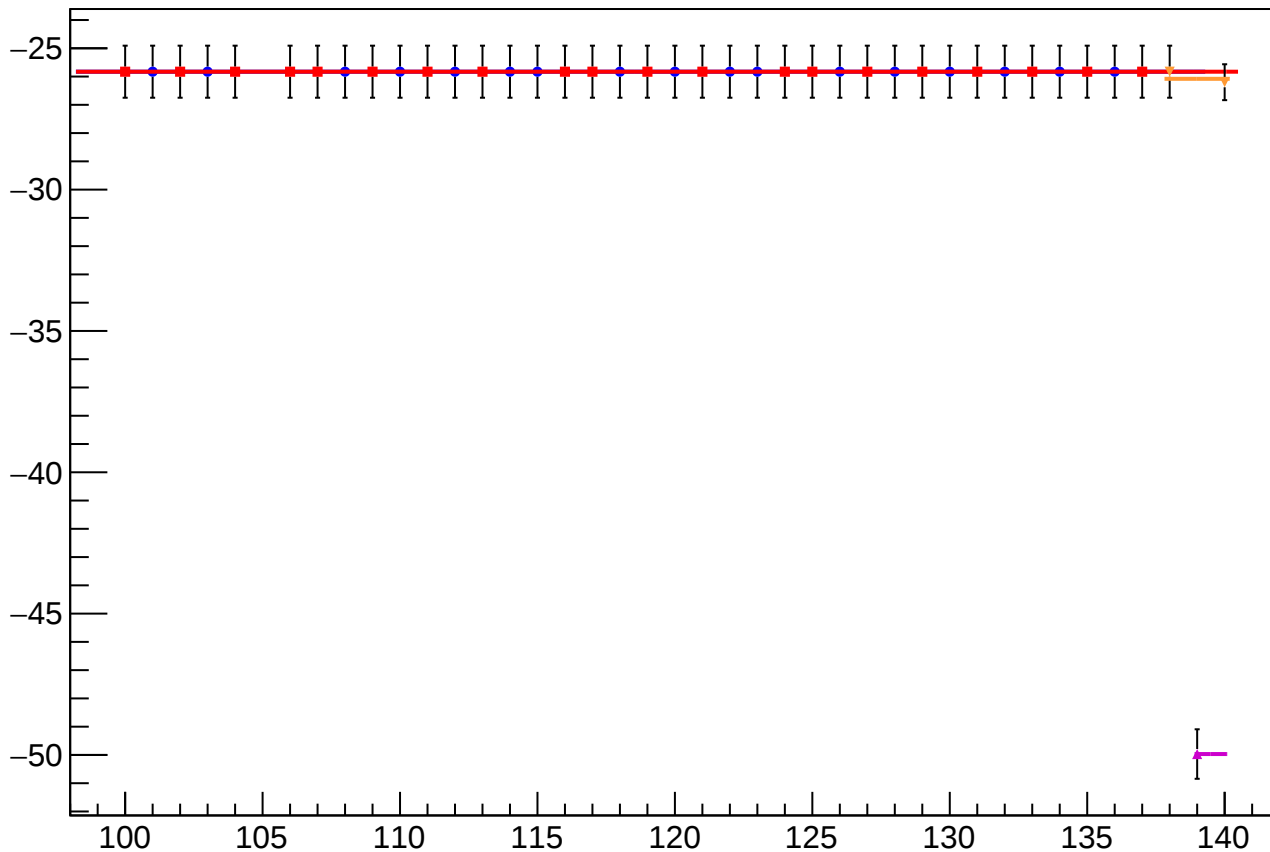
Right Out: 15.266 $\pm$ 0.189 χ^2/NDF : 0.0/19

Left In: 37.677 $\pm$ 1.467 χ^2/NDF : 0.0/0

14.121 $\pm$ 0.185 χ^2/NDF : 229.8/18

15.634 $\pm$ 0.188 χ^2/NDF : 229.6/20

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -25.828 ± 0.223 χ^2/NDF : 0.0/16

Left Out: -26.080 ± 0.523 χ^2/NDF : 0.1/1

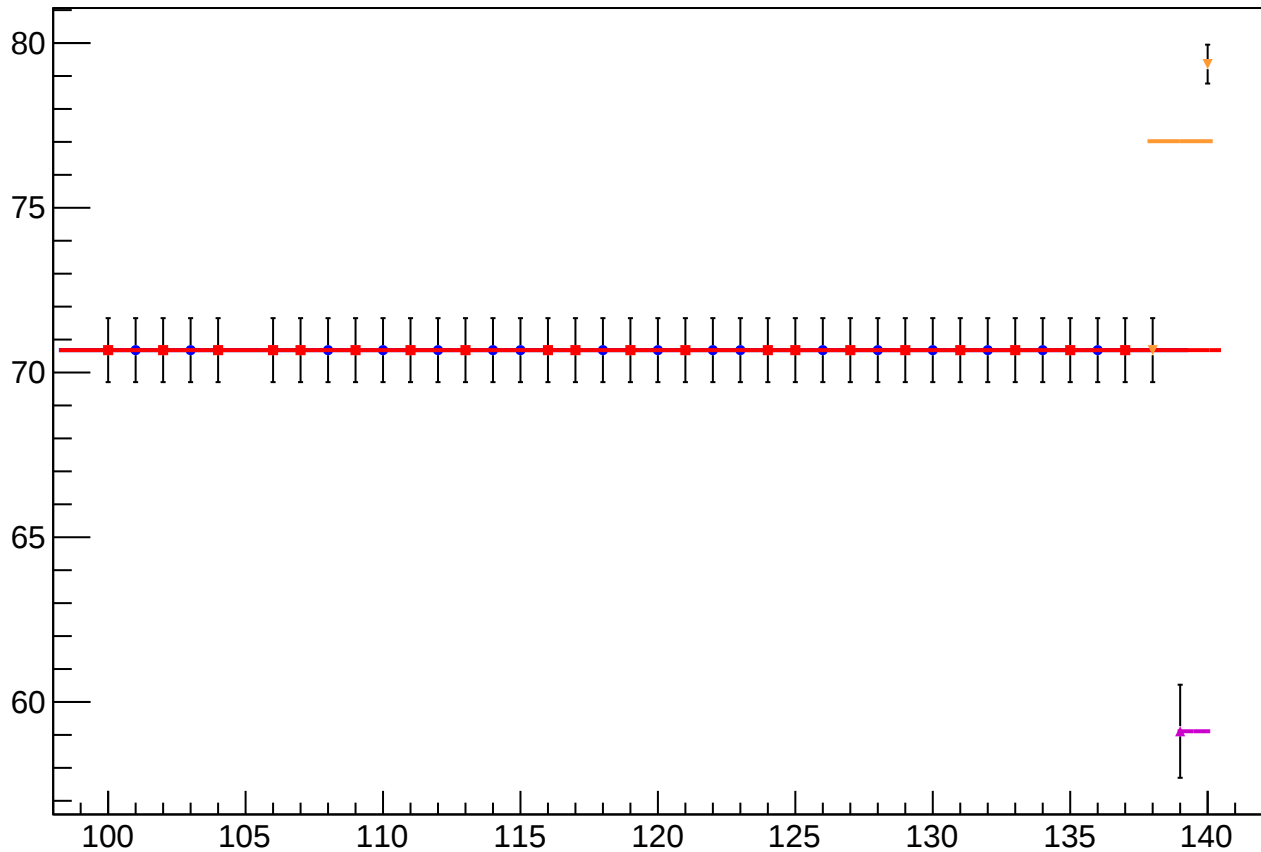
Right Out: -25.828 ± 0.206 χ^2/NDF : 0.0/19

Left In: -49.968 ± 0.876 χ^2/NDF : 0.0/0

-25.867 ± 0.205 χ^2/NDF : 0.3/18

-27.093 ± 0.200 χ^2/NDF : 719.9/20

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 70.679+/-0.235 χ^2/NDF : 0.0/16

Left Out: 77.021+/-0.504 χ^2/NDF : 58.4/1

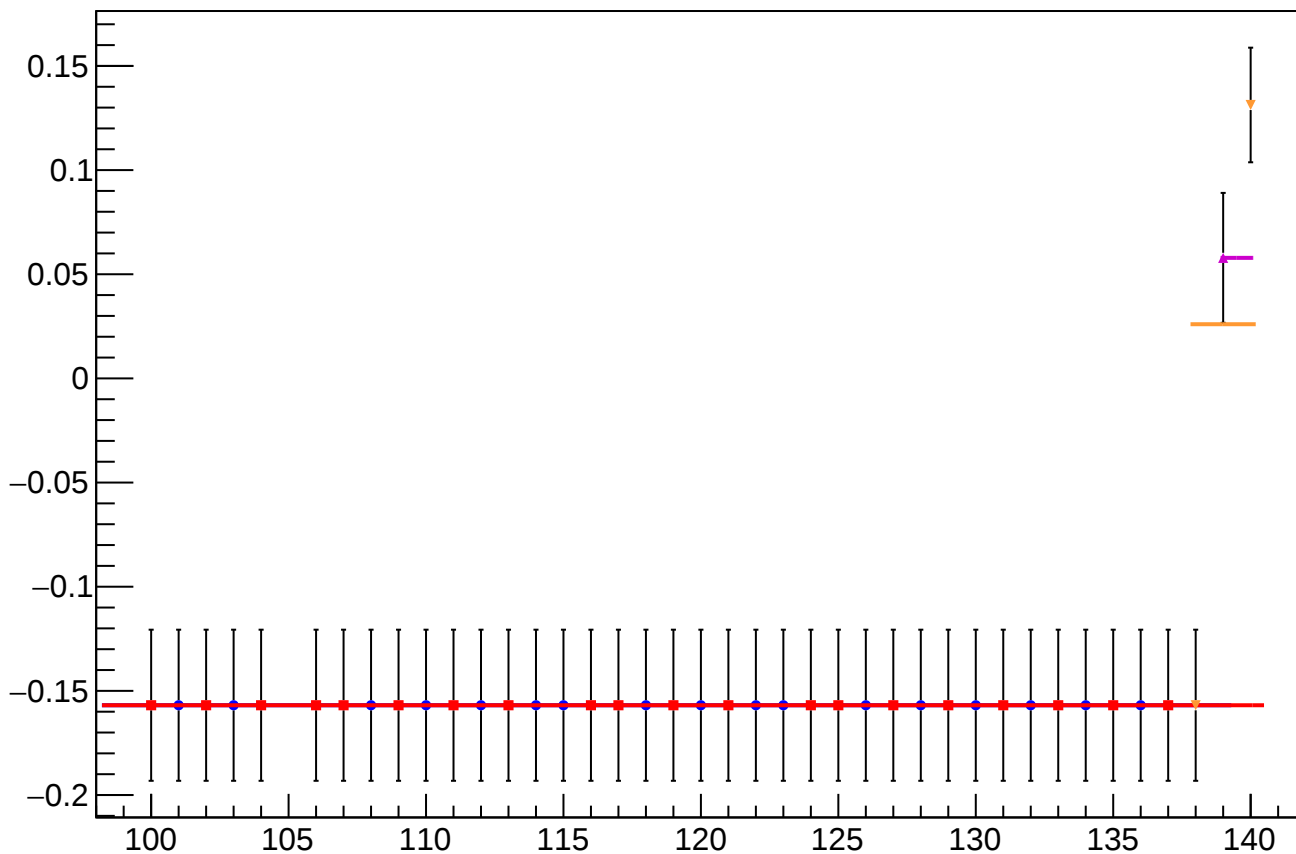
Right Out: 70.679+/-0.217 χ^2/NDF : 0.0/19

Left In: 59.111+/-1.413 χ^2/NDF : 0.0/0

71.815+/-0.213 χ^2/NDF : 188.4/18

70.412+/-0.215 χ^2/NDF : 65.5/20

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.157 $\pm$ 0.009 χ^2 /NDF: 0.0/16

Left Out: 0.026 $\pm$ 0.022 χ^2 /NDF: 40.1/1

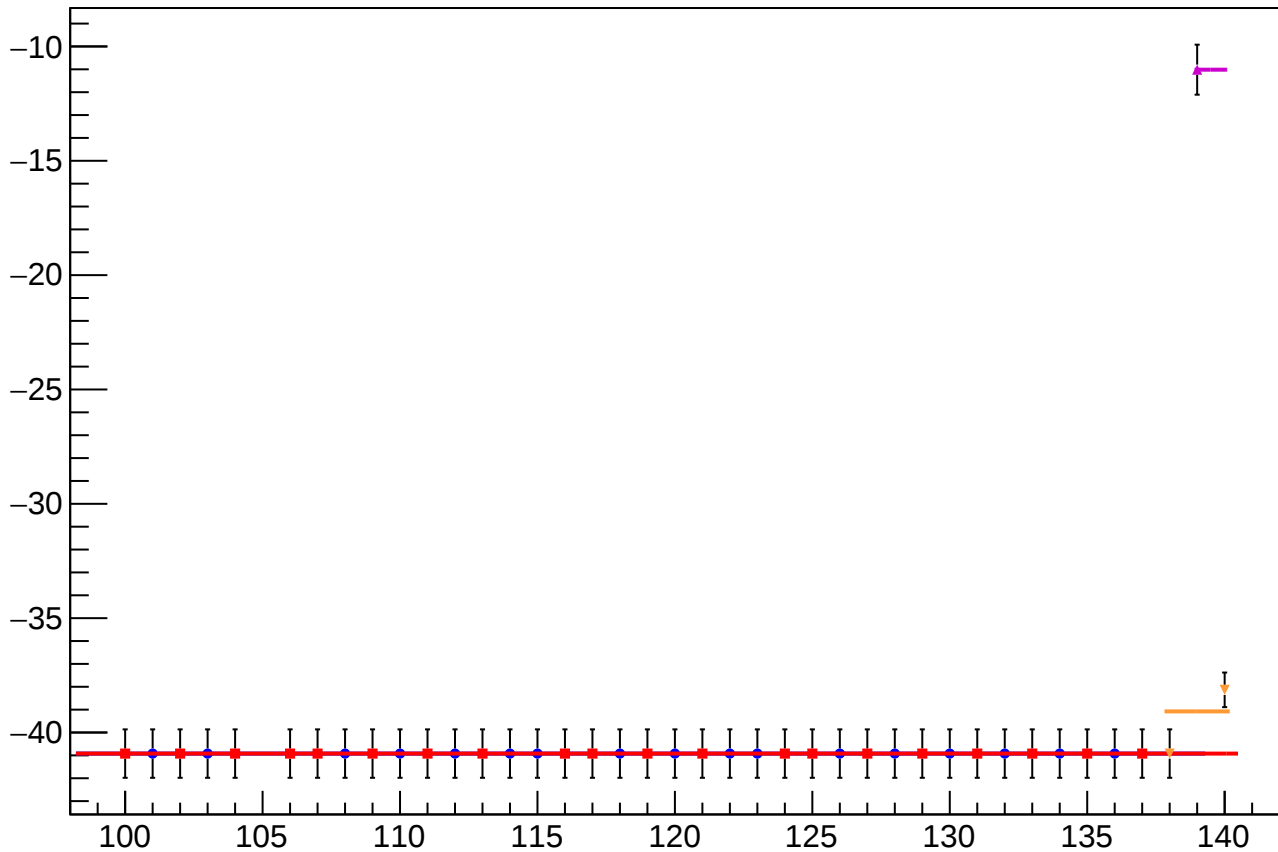
Right Out: -0.157 $\pm$ 0.008 χ^2 /NDF: 0.0/19

Left In: 0.058 $\pm$ 0.031 χ^2 /NDF: 0.0/0

-0.132 $\pm$ 0.008 χ^2 /NDF: 100.0/18

-0.143 $\pm$ 0.008 χ^2 /NDF: 44.4/20

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -40.922 ± 0.257 χ^2/NDF : 0.0/16

Left Out: -39.077 ± 0.616 χ^2/NDF : 4.6/1

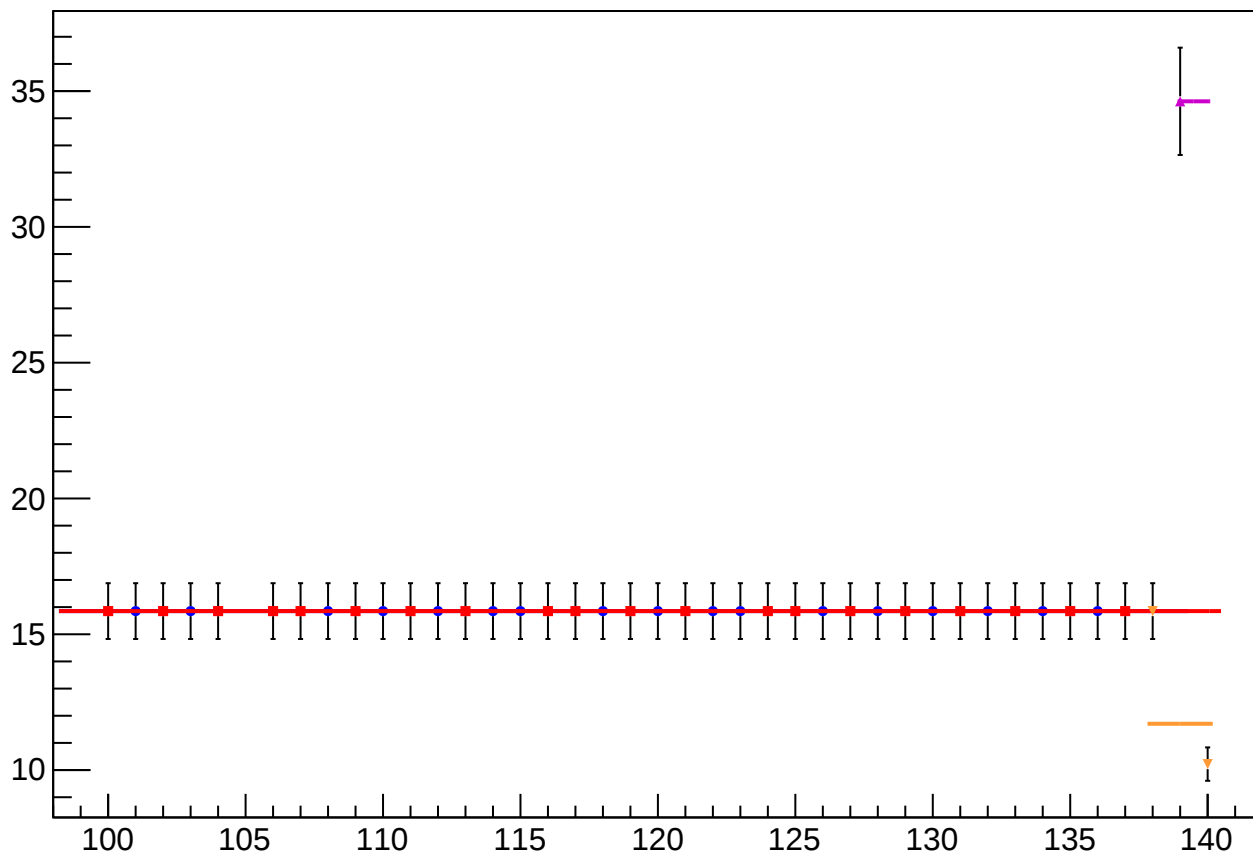
Right Out: -40.922 ± 0.237 χ^2/NDF : 0.0/19

Left In: -11.016 ± 1.094 χ^2/NDF : 0.0/0

-40.648 ± 0.237 χ^2/NDF : 12.2/18

-39.583 ± 0.231 χ^2/NDF : 714.4/20

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 15.853 $\pm$ 0.249 χ^2 /NDF: 0.0/16

Left Out: 11.705 $\pm$ 0.527 χ^2 /NDF: 22.2/1

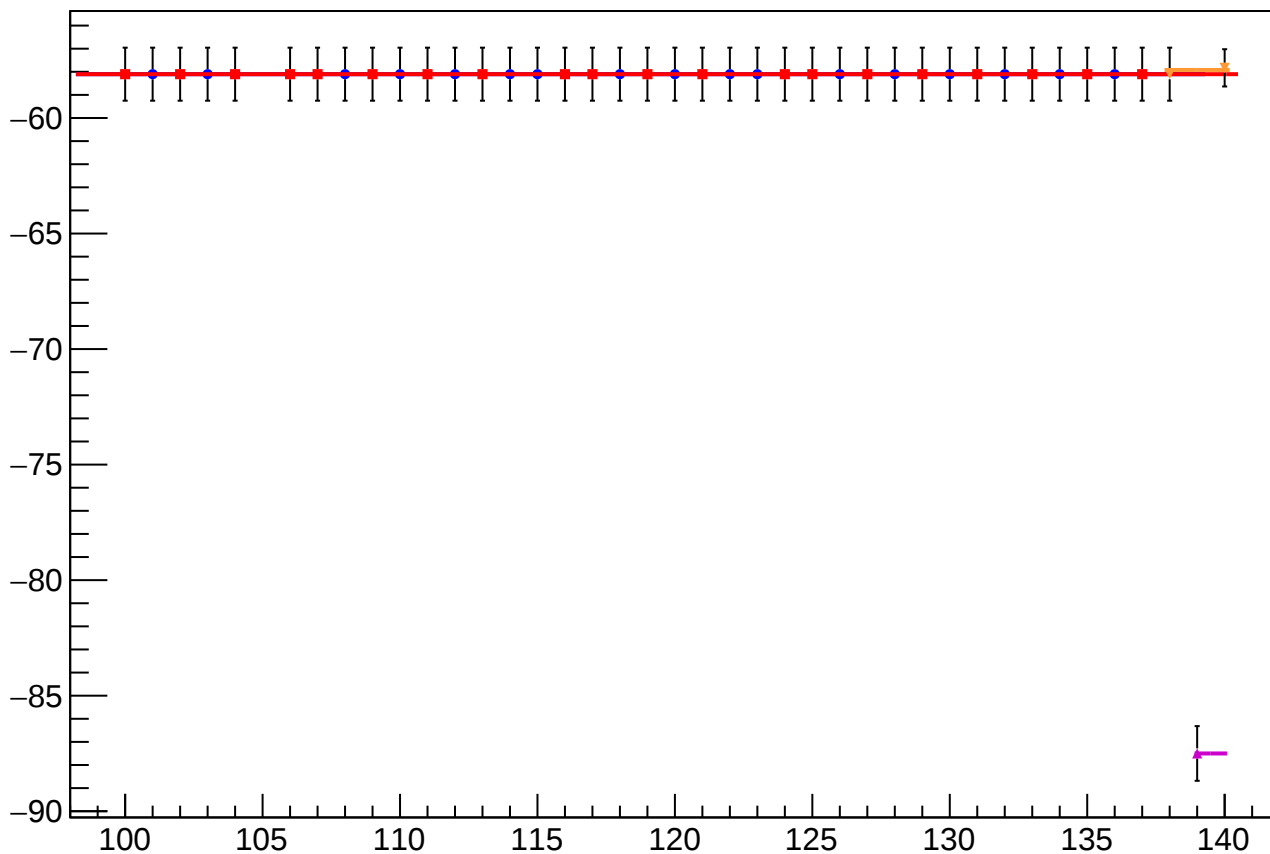
Right Out: 15.853 $\pm$ 0.230 χ^2 /NDF: 0.0/19

Left In: 34.623 $\pm$ 1.976 χ^2 /NDF: 0.0/0

15.097 $\pm$ 0.225 χ^2 /NDF: 72.8/18

16.104 $\pm$ 0.228 χ^2 /NDF: 89.1/20

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -58.103 ± 0.278 χ^2/NDF : 0.0/16

Left Out: -57.920 ± 0.659 χ^2/NDF : 0.0/1

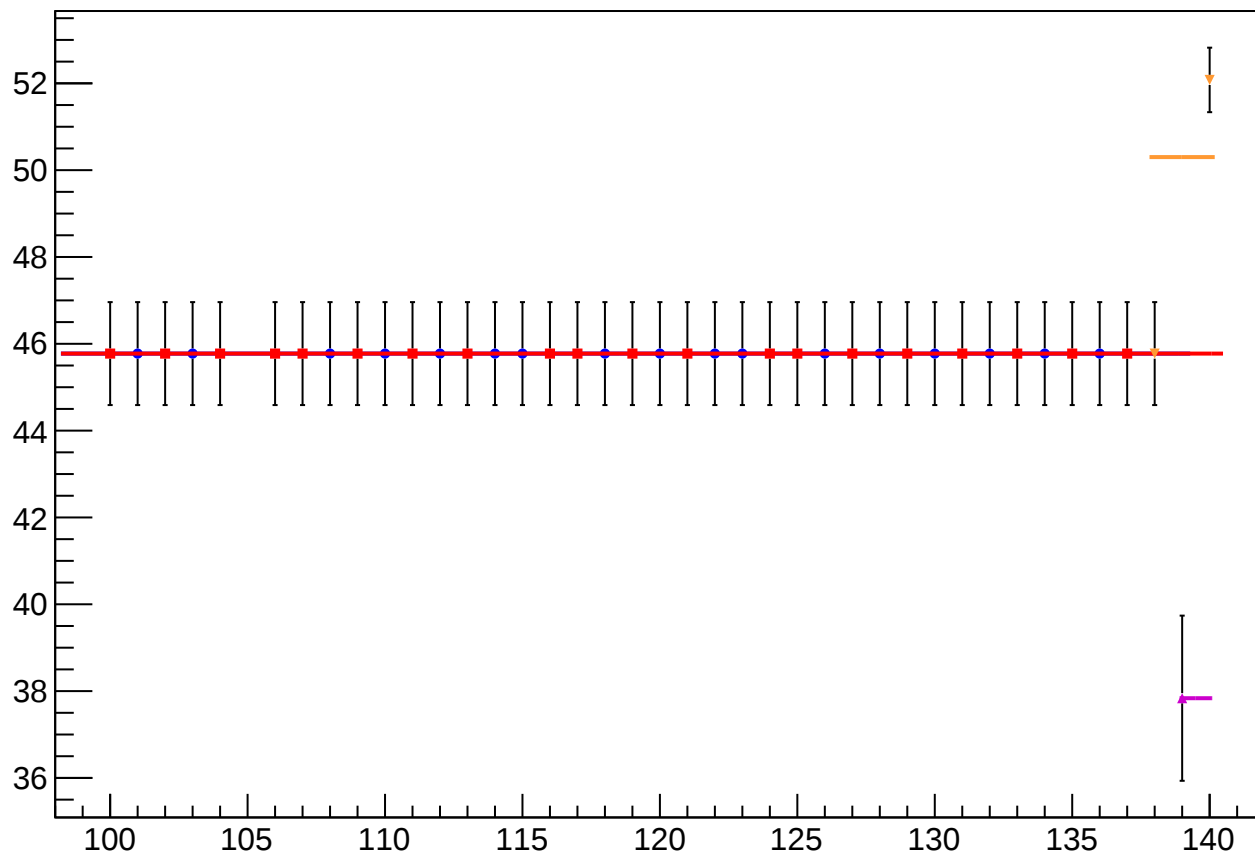
Right Out: -58.103 ± 0.257 χ^2/NDF : 0.0/19

Left In: -87.500 ± 1.183 χ^2/NDF : 0.0/0

-58.076 ± 0.256 χ^2/NDF : 0.1/18

-59.423 ± 0.251 χ^2/NDF : 589.5/20

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 45.775 $\pm$ 0.288 χ^2/NDF : 0.0/16

Left Out: 50.301 $\pm$ 0.630 χ^2/NDF : 20.3/1

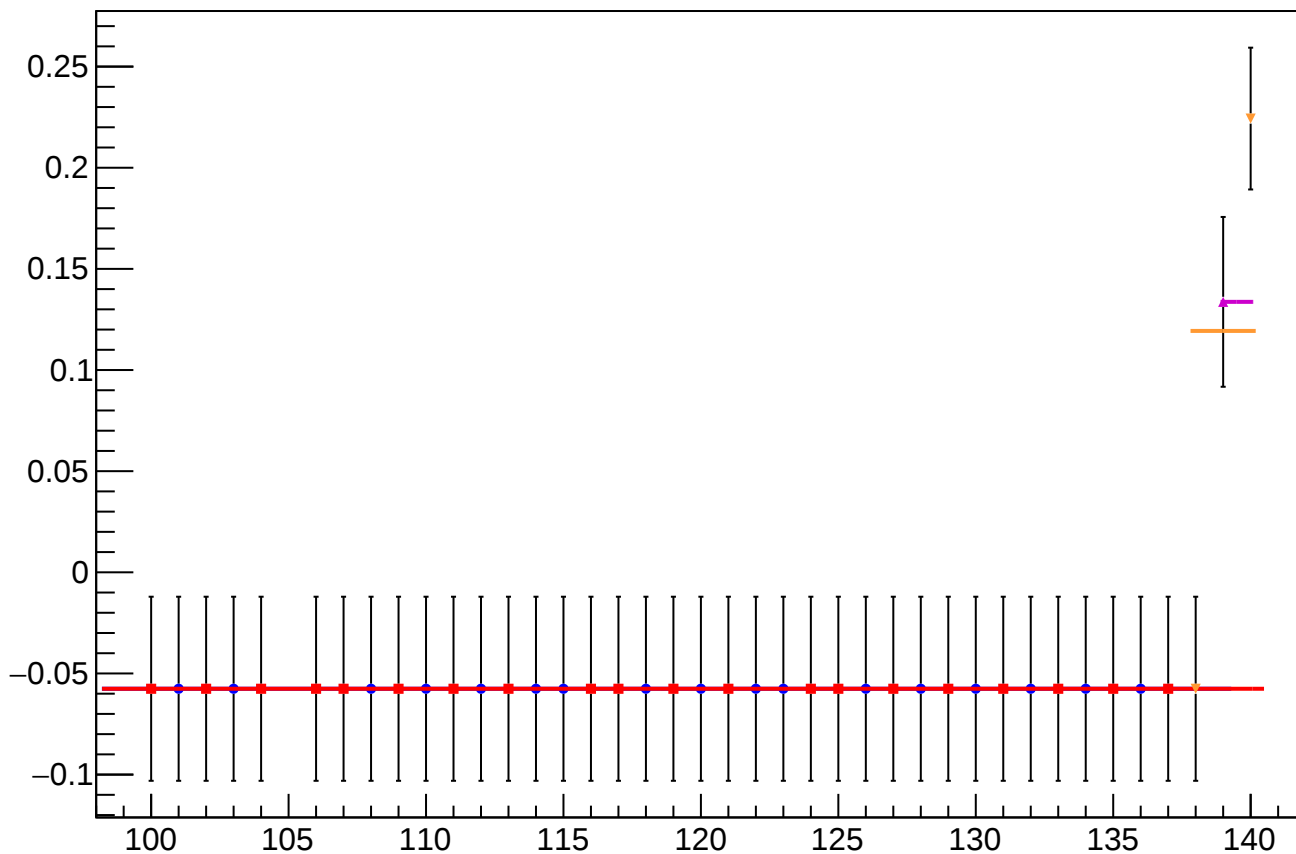
Right Out: 45.775 $\pm$ 0.265 χ^2/NDF : 0.0/19

Left In: 37.836 $\pm$ 1.902 χ^2/NDF : 0.0/0

46.556 $\pm$ 0.262 χ^2/NDF : 63.1/18

45.623 $\pm$ 0.263 χ^2/NDF : 17.1/20

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.058 $\pm$ 0.011 χ^2 /NDF: 0.0/16

Left Out: 0.119 $\pm$ 0.028 χ^2 /NDF:24.1/1

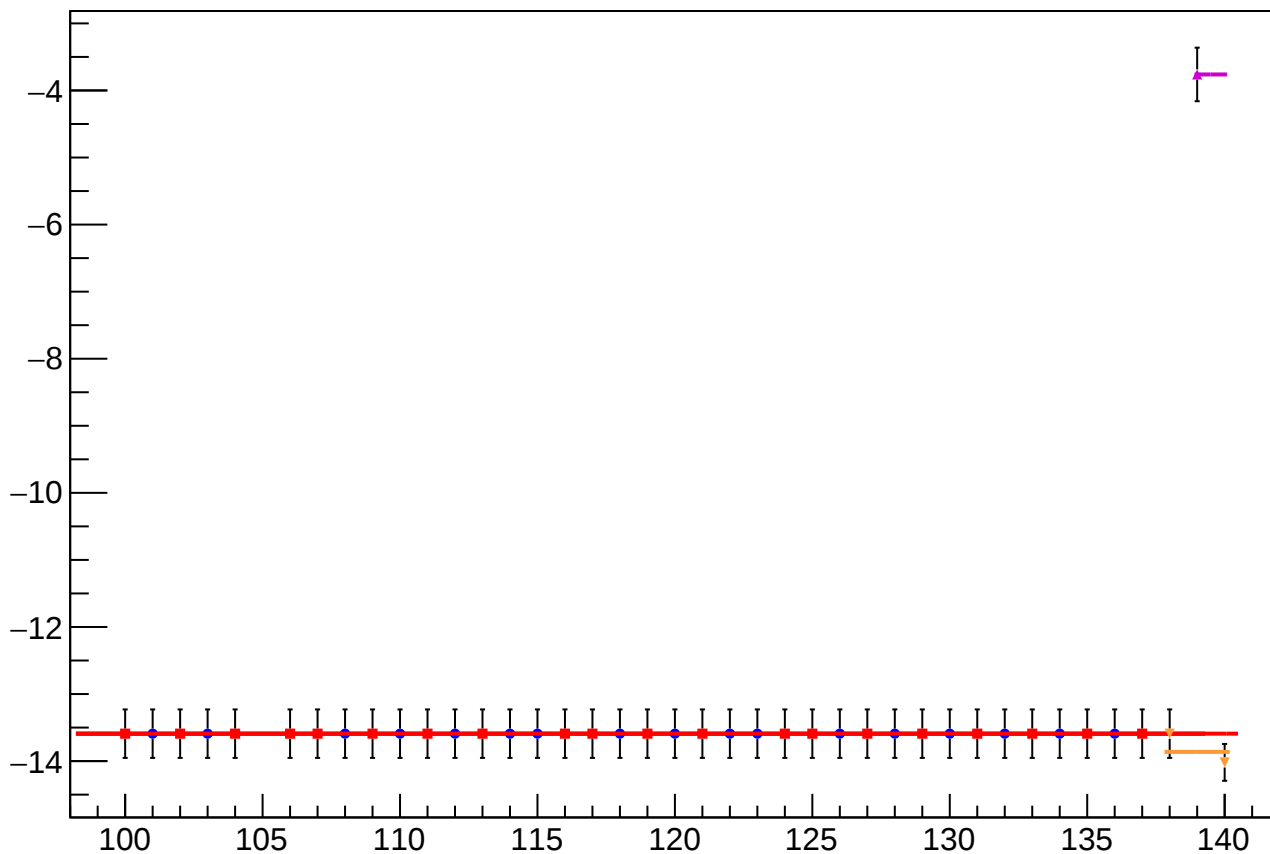
Right Out: -0.058 $\pm$ 0.010 χ^2 /NDF: 0.0/19

Left In: 0.134 $\pm$ 0.042 χ^2 /NDF:0.0/0

-0.033 $\pm$ 0.010 χ^2 /NDF: 59.1/18

-0.047 $\pm$ 0.010 χ^2 /NDF: 19.6/20

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -13.591 $\pm$ 0.088 χ^2 /NDF: 0.0/16

Left Out: -13.862 $\pm$ 0.219 χ^2 /NDF: 0.9/1

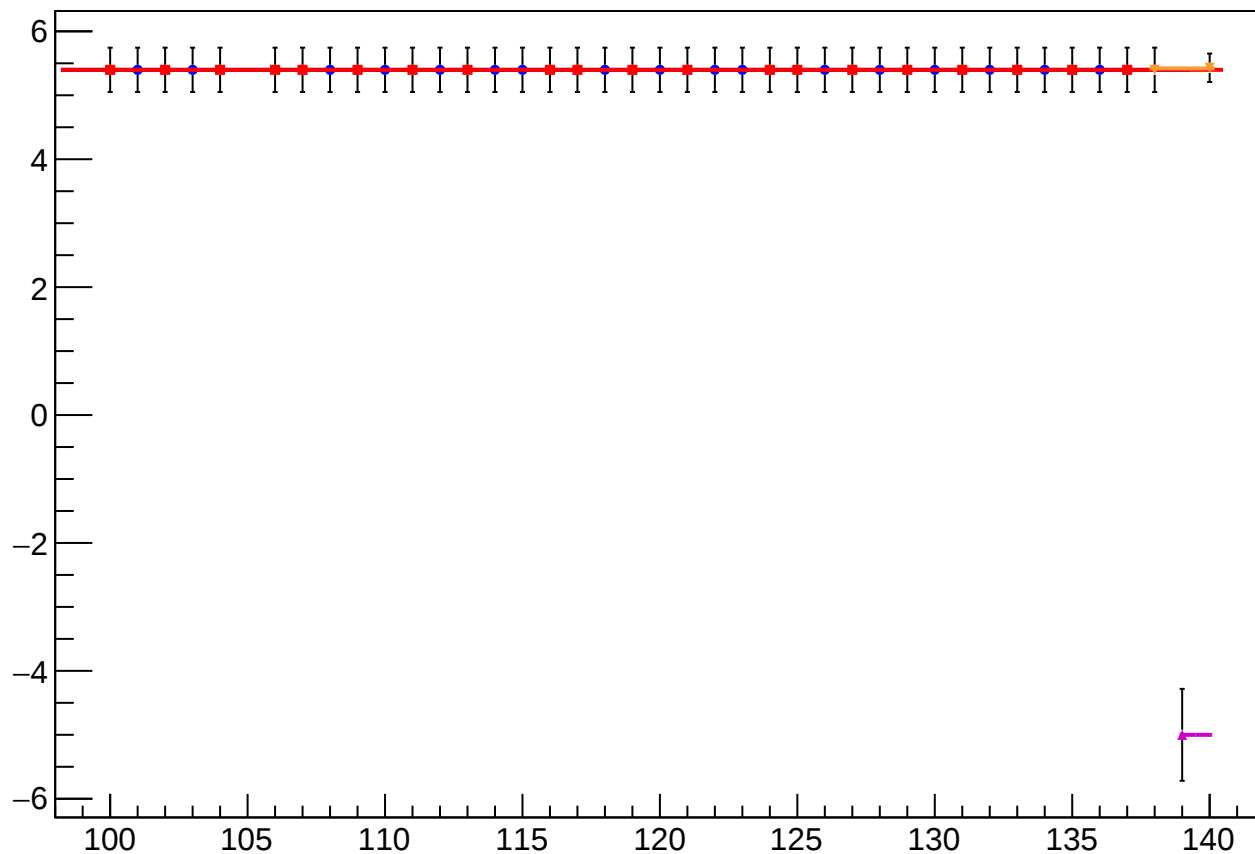
Right Out: -13.591 $\pm$ 0.081 χ^2 /NDF: 0.0/19

Left In: -3.761 $\pm$ 0.399 χ^2 /NDF: 0.0/0

-13.628 $\pm$ 0.081 χ^2 /NDF: 2.2/18

-13.204 $\pm$ 0.079 χ^2 /NDF: 582.0/20

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 5.398 $\pm$ 0.084 χ^2 /NDF: 0.0/16

Left Out: 5.420 $\pm$ 0.187 χ^2 /NDF: 0.0/1

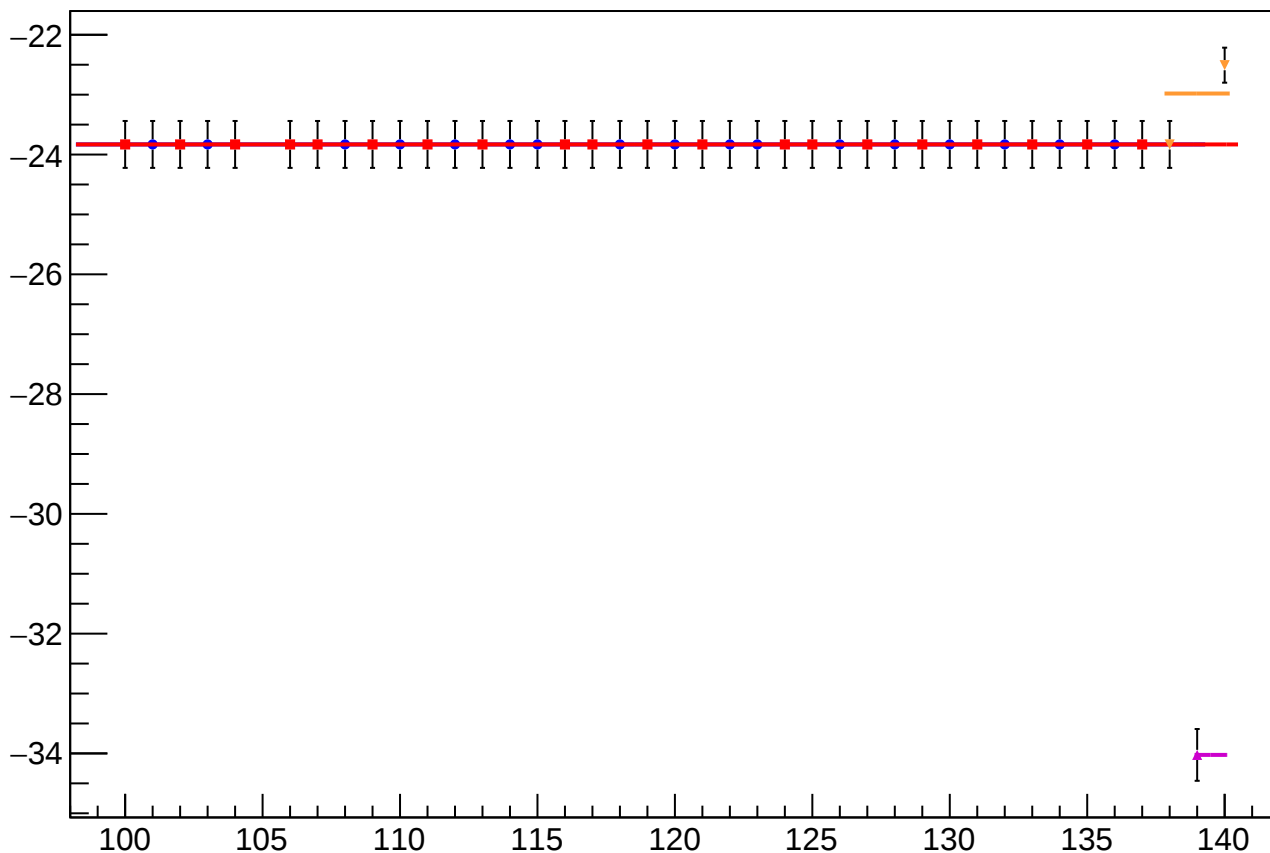
Right Out: 5.398 $\pm$ 0.077 χ^2 /NDF: 0.0/19

Left In: -5.000 $\pm$ 0.719 χ^2 /NDF: 0.0/0

5.402 $\pm$ 0.077 χ^2 /NDF: 0.0/18

5.278 $\pm$ 0.077 χ^2 /NDF: 207.0/20

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -23.831 ± 0.095 χ^2/NDF : 0.0/16

Left Out: -22.981 ± 0.234 χ^2/NDF : 7.3/1

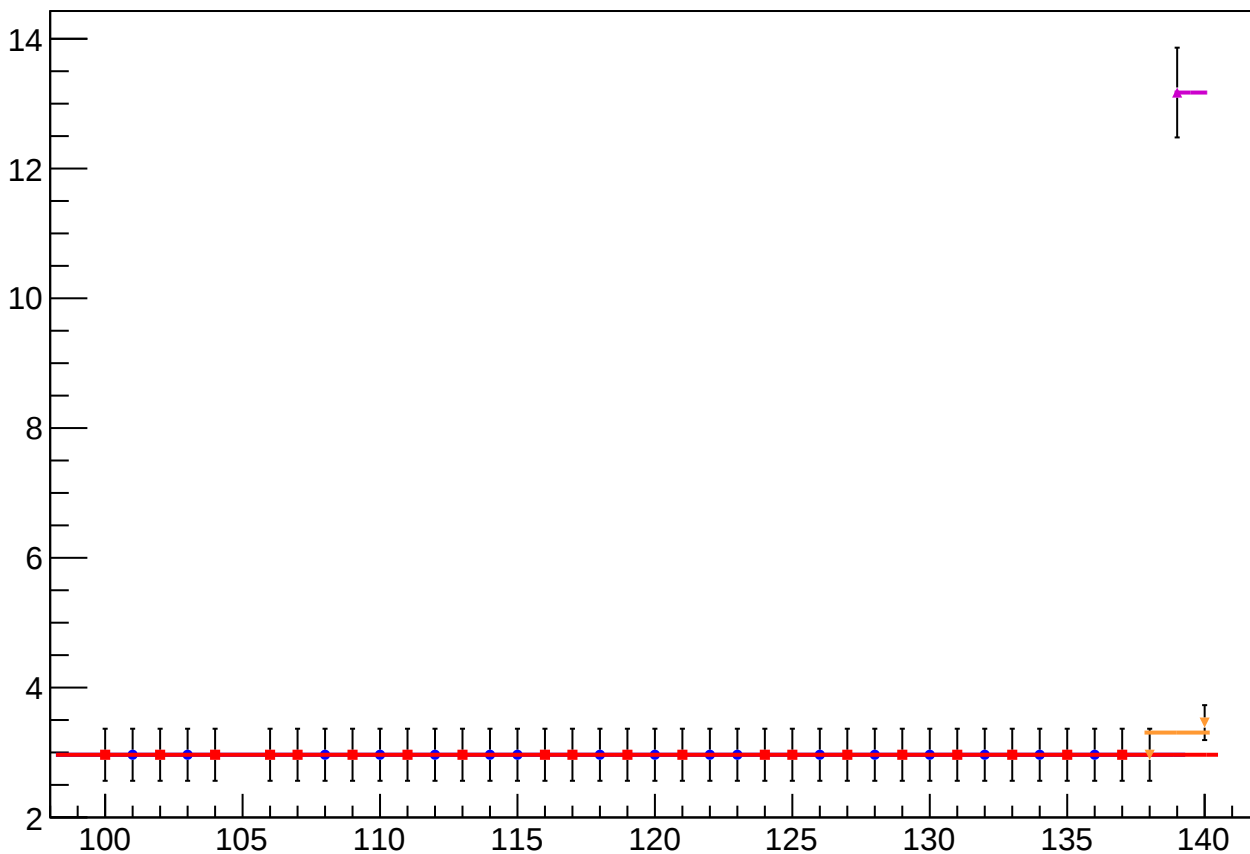
Right Out: -23.831 ± 0.088 χ^2/NDF : 0.0/19

Left In: -34.025 ± 0.432 χ^2/NDF : 0.0/0

-23.711 ± 0.088 χ^2/NDF : 18.6/18

-24.233 ± 0.086 χ^2/NDF : 533.8/20

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 2.964 ± 0.097 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 3.306 ± 0.223 $\chi^2/\text{NDF}: 1.1/1$

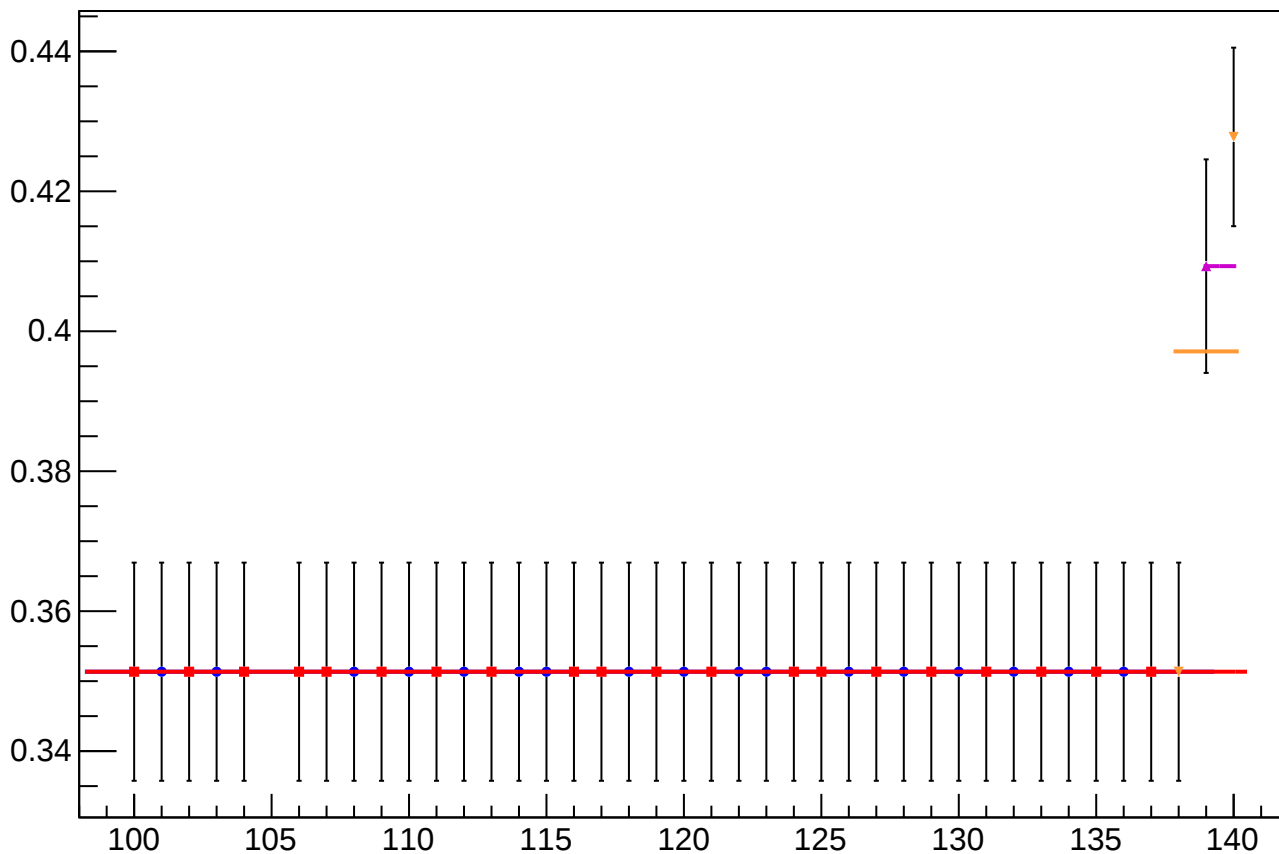
Right Out: 2.964 ± 0.090 $\chi^2/\text{NDF}: 0.0/19$

Left In: 13.171 ± 0.692 $\chi^2/\text{NDF}: 0.0/0$

3.019 ± 0.089 $\chi^2/\text{NDF}: 3.0/18$

3.133 ± 0.089 $\chi^2/\text{NDF}: 214.1/20$

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.351 $\pm$ 0.004 χ^2 /NDF: 0.0/16

Left Out: 0.397 $\pm$ 0.010 χ^2 /NDF: 14.4/1

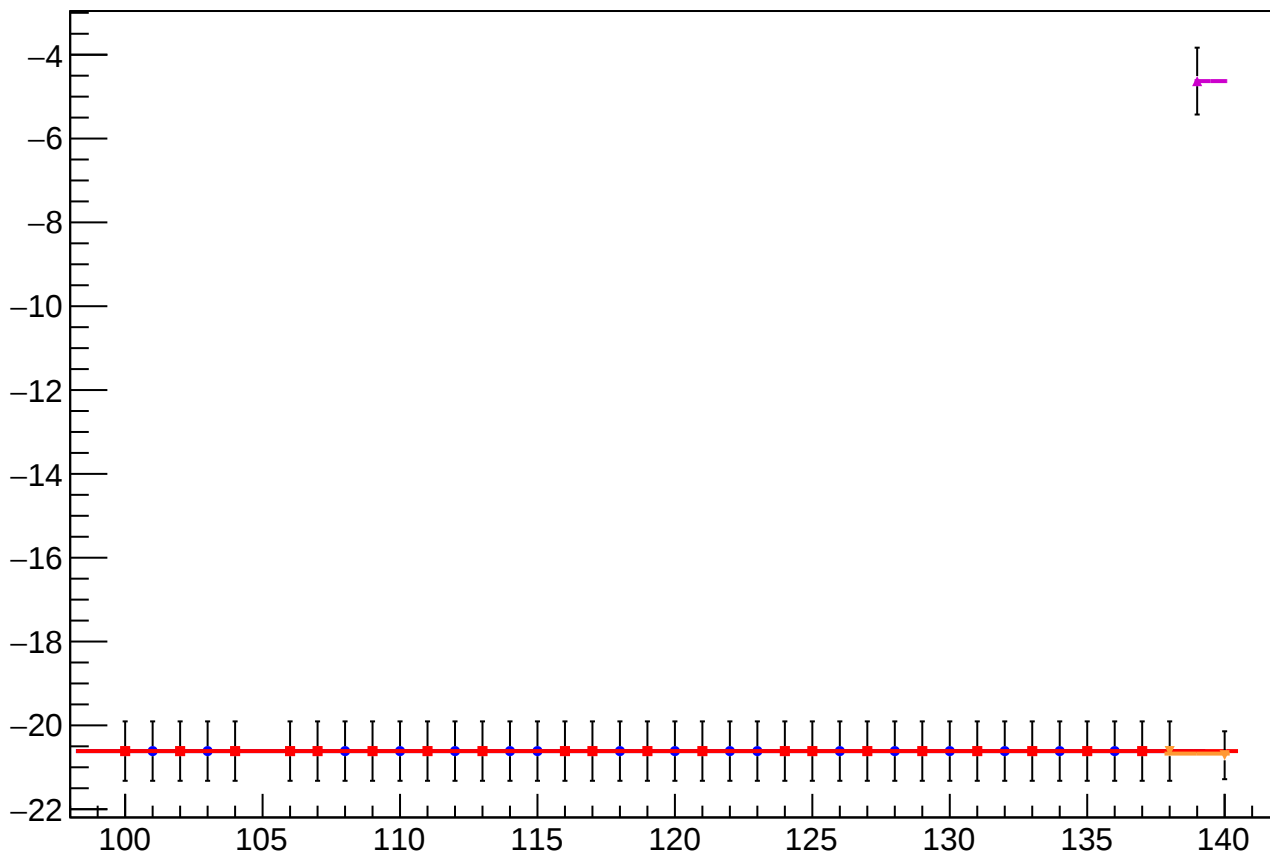
Right Out: 0.351 $\pm$ 0.003 χ^2 /NDF: 0.0/19

Left In: 0.409 $\pm$ 0.015 χ^2 /NDF: 0.0/0

0.357 $\pm$ 0.004 χ^2 /NDF: 33.1/18

0.354 $\pm$ 0.003 χ^2 /NDF: 13.7/20

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -20.614 ± 0.172 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -20.673 ± 0.445 $\chi^2/\text{NDF}: 0.0/1$

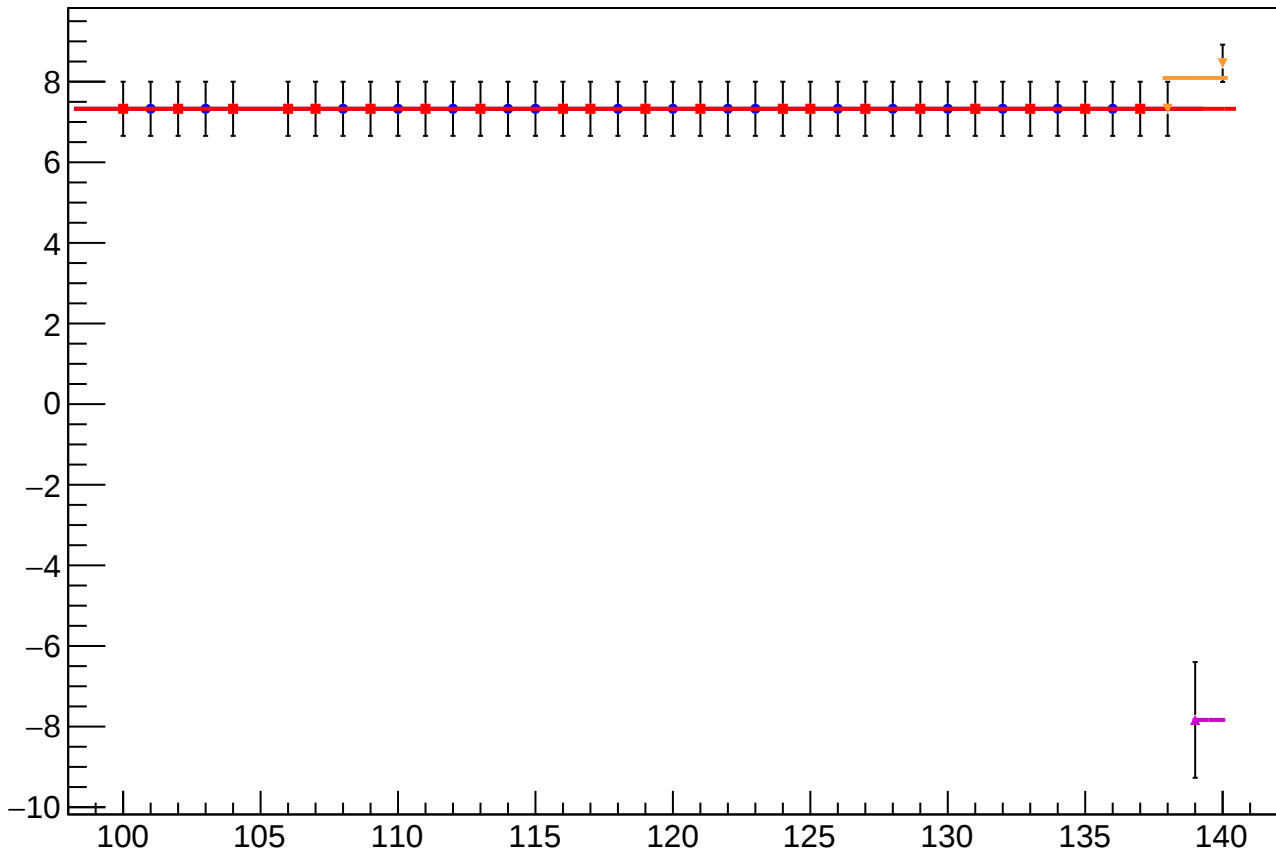
Right Out: -20.614 ± 0.158 $\chi^2/\text{NDF}: 0.0/19$

Left In: -4.629 ± 0.797 $\chi^2/\text{NDF}: 0.0/0$

-20.621 ± 0.160 $\chi^2/\text{NDF}: 0.0/18$

-20.006 ± 0.155 $\chi^2/\text{NDF}: 386.5/20$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 7.327 $\pm$ 0.163 χ^2 /NDF: 0.0/16

Left Out: 8.093 $\pm$ 0.381 χ^2 /NDF: 1.9/1

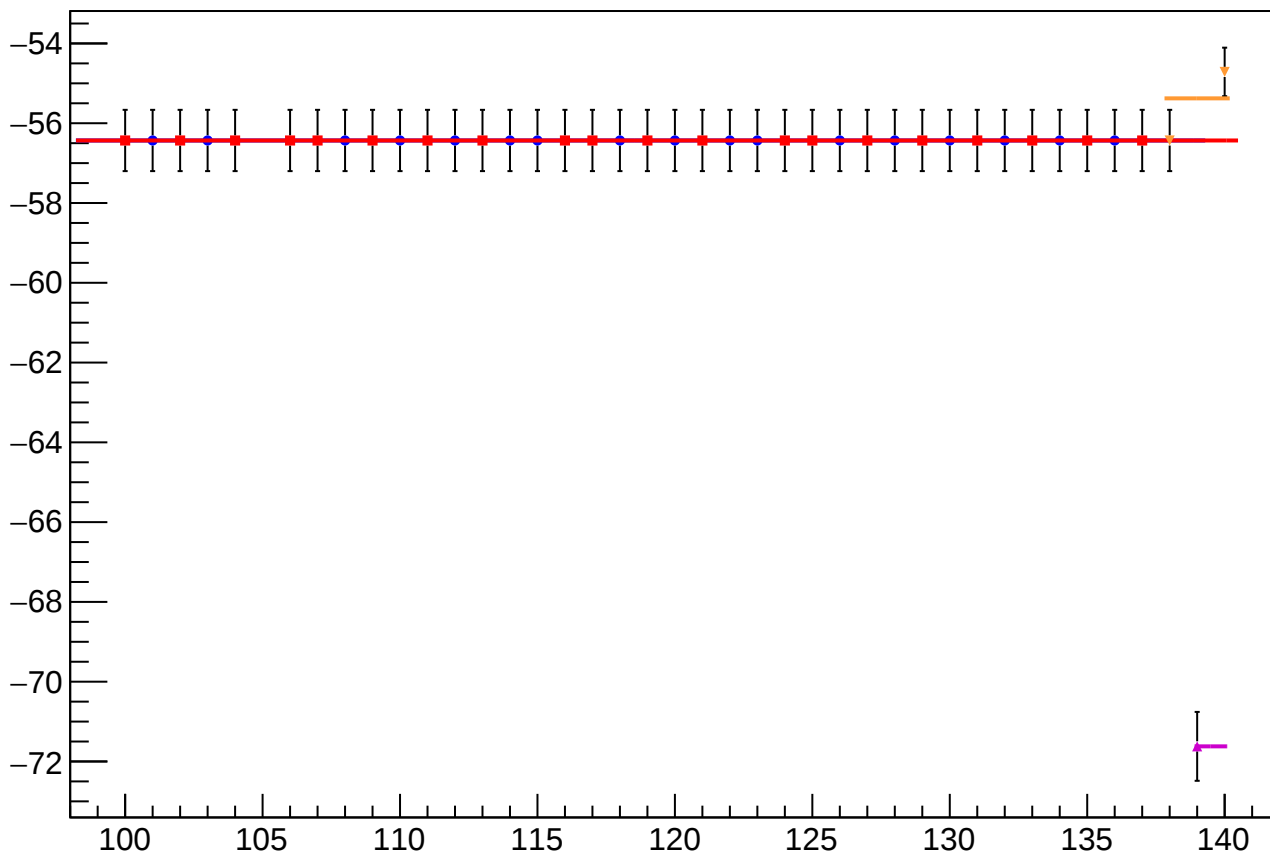
Right Out: 7.327 $\pm$ 0.150 χ^2 /NDF: 0.0/19

Left In: -7.835 $\pm$ 1.436 χ^2 /NDF: 0.0/0

7.446 $\pm$ 0.150 χ^2 /NDF: 5.3/18

7.163 $\pm$ 0.149 χ^2 /NDF: 110.3/20

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -56.432 $\pm$ 0.186 χ^2 /NDF: 0.0/16

Left Out: -55.377 $\pm$ 0.477 χ^2 /NDF: 3.1/1

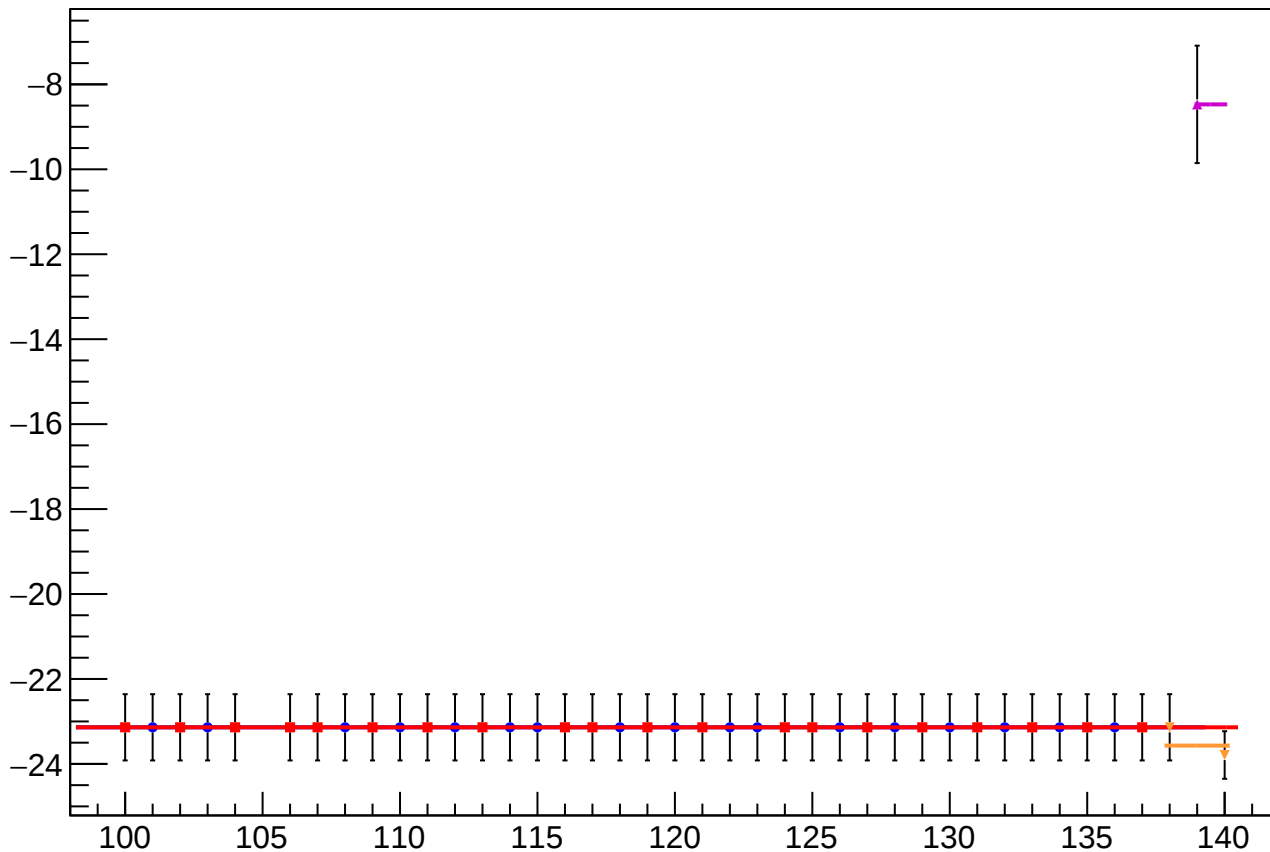
Right Out: -56.432 $\pm$ 0.172 χ^2 /NDF: 0.0/19

Left In: -71.621 $\pm$ 0.863 χ^2 /NDF: 0.0/0

-56.293 $\pm$ 0.173 χ^2 /NDF: 7.3/18

-57.010 $\pm$ 0.168 χ^2 /NDF: 297.7/20

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -23.138 $\pm$ 0.189 χ^2 /NDF: 0.0/16

Left Out: -23.569 $\pm$ 0.455 χ^2 /NDF: 0.5/1

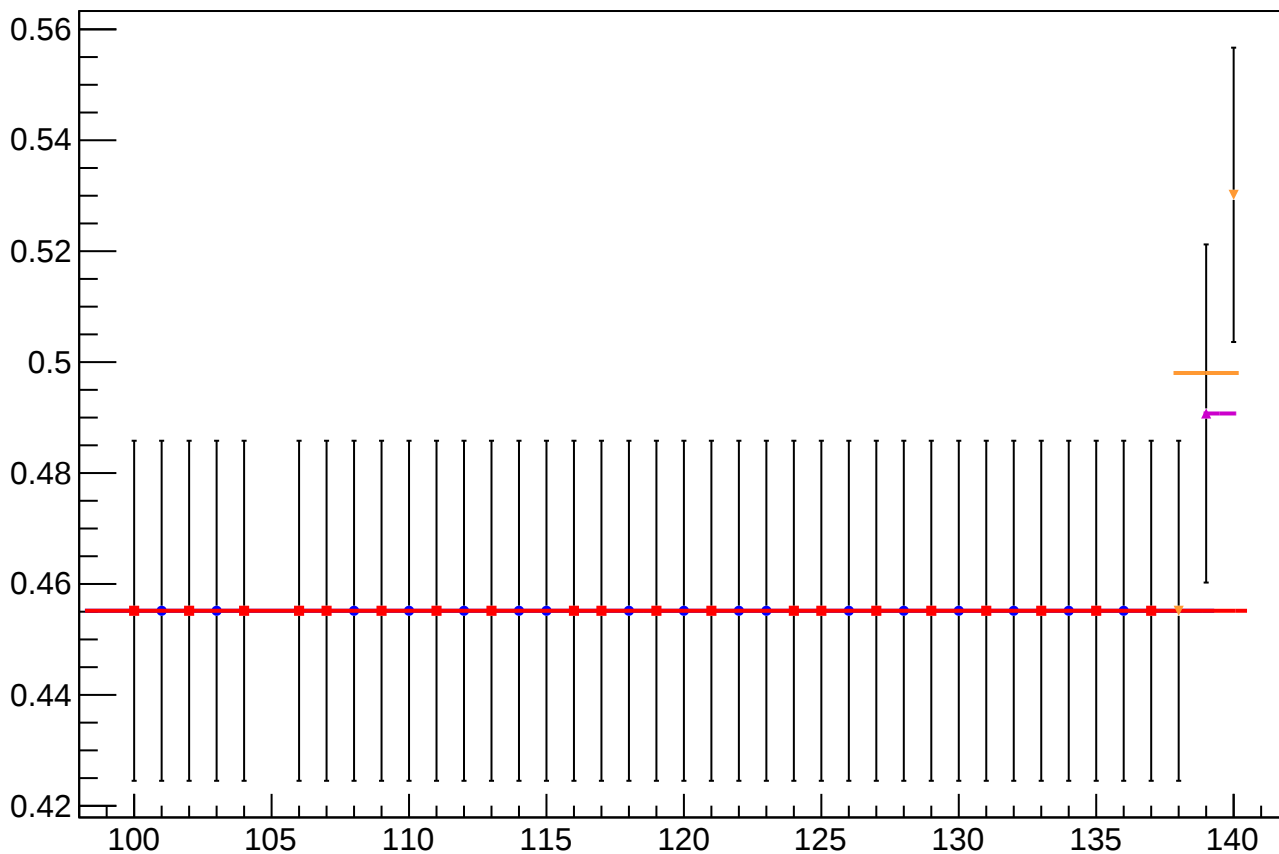
Right Out: -23.138 $\pm$ 0.174 χ^2 /NDF: 0.0/19

Left In: -8.472 $\pm$ 1.382 χ^2 /NDF: 0.0/0

-23.202 $\pm$ 0.175 χ^2 /NDF: 1.2/18

-22.908 $\pm$ 0.173 χ^2 /NDF: 110.8/20

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.455 $\pm$ 0.007 χ^2 /NDF: 0.0/16

Left Out: 0.498 $\pm$ 0.020 χ^2 /NDF: 3.4/1

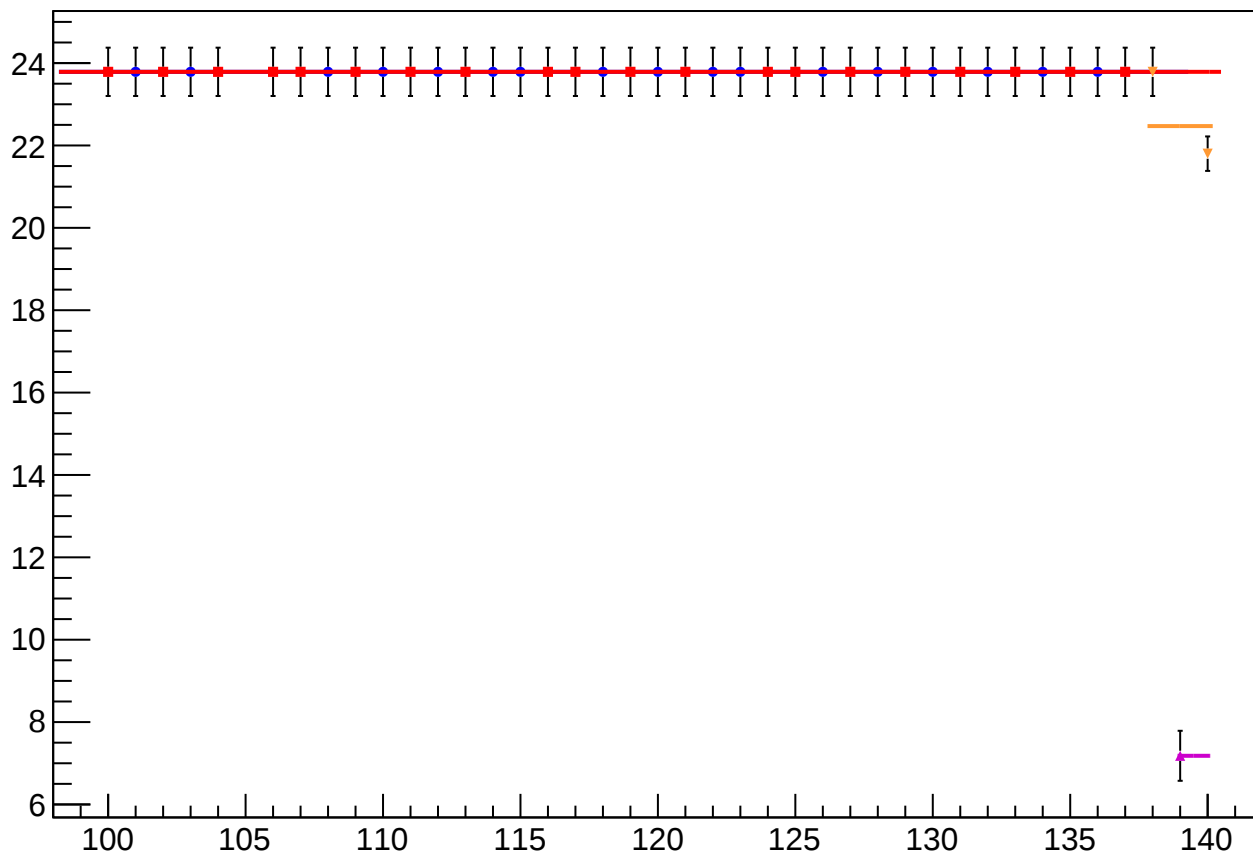
Right Out: 0.455 $\pm$ 0.007 χ^2 /NDF: 0.0/19

Left In: 0.491 $\pm$ 0.030 χ^2 /NDF: 0.0/0

0.460 $\pm$ 0.007 χ^2 /NDF: 7.4/18

0.457 $\pm$ 0.007 χ^2 /NDF: 1.3/20

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 23.788 $\pm$ 0.142 χ^2 /NDF: 0.0/16

Left Out: 22.471 $\pm$ 0.341 χ^2 /NDF:7.6/1

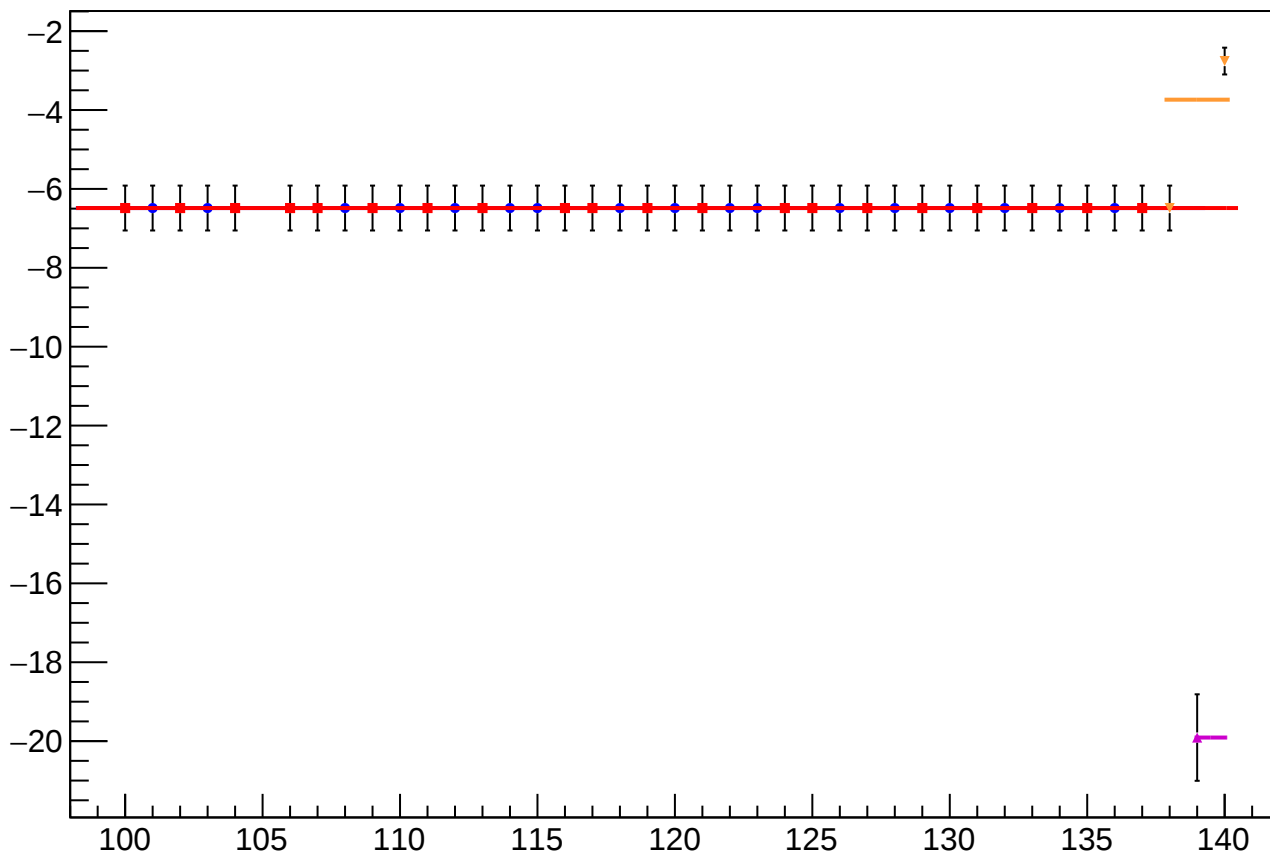
Right Out: 23.788 $\pm$ 0.131 χ^2 /NDF: 0.0/19

Left In: 7.181 $\pm$ 0.607 χ^2 /NDF:0.0/0

23.592 $\pm$ 0.131 χ^2 /NDF: 20.3/18

23.047 $\pm$ 0.128 χ^2 /NDF: 715.0/20

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.485+/-0.138 χ^2/NDF : 0.0/16

Left Out: -3.738+/-0.292 χ^2/NDF : 31.6/1

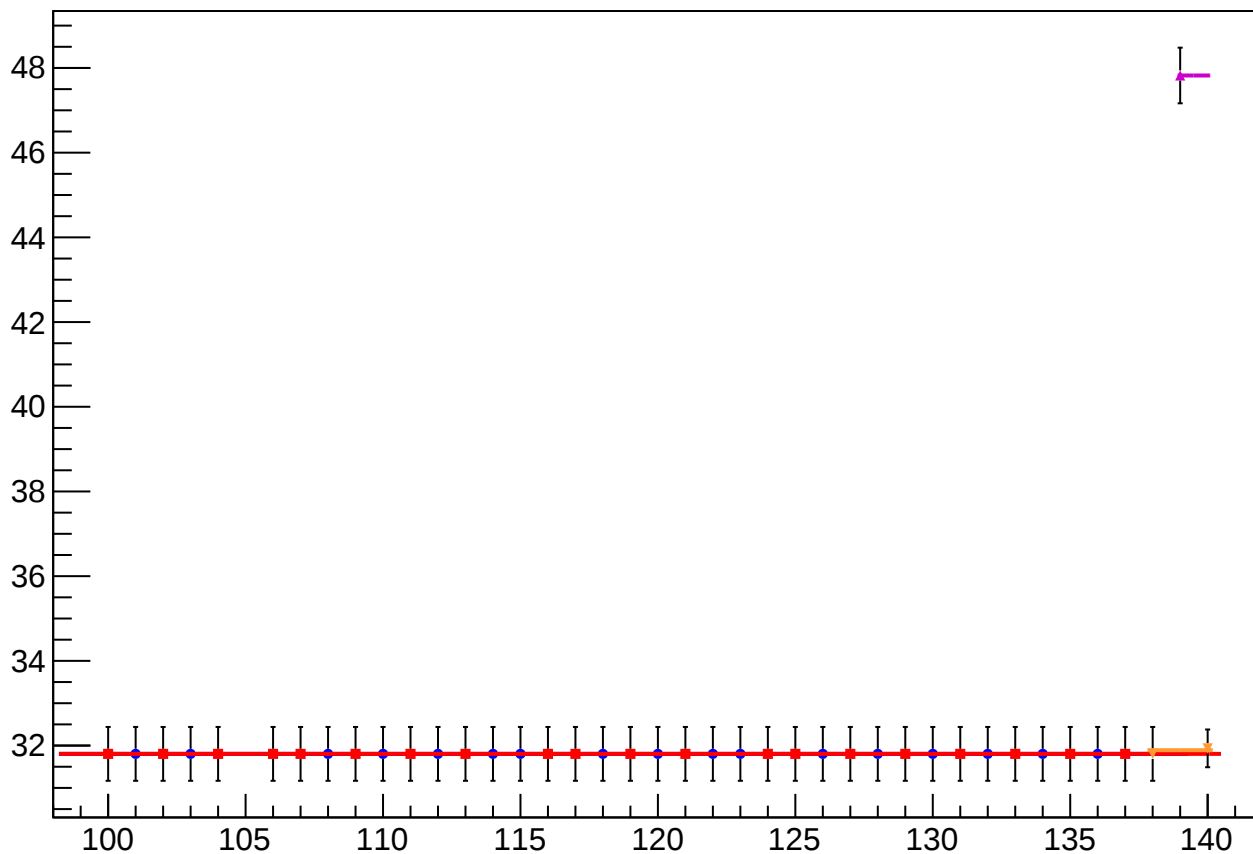
Right Out: -6.485+/-0.127 χ^2/NDF : 0.0/19

Left In: -19.909+/-1.096 χ^2/NDF : 0.0/0

-5.983+/-0.125 χ^2/NDF : 104.1/18

-6.664+/-0.126 χ^2/NDF : 147.9/20

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 31.804 $\pm$ 0.154 χ^2 /NDF: 0.0/16

Left Out: 31.891 $\pm$ 0.365 χ^2 /NDF: 0.0/1

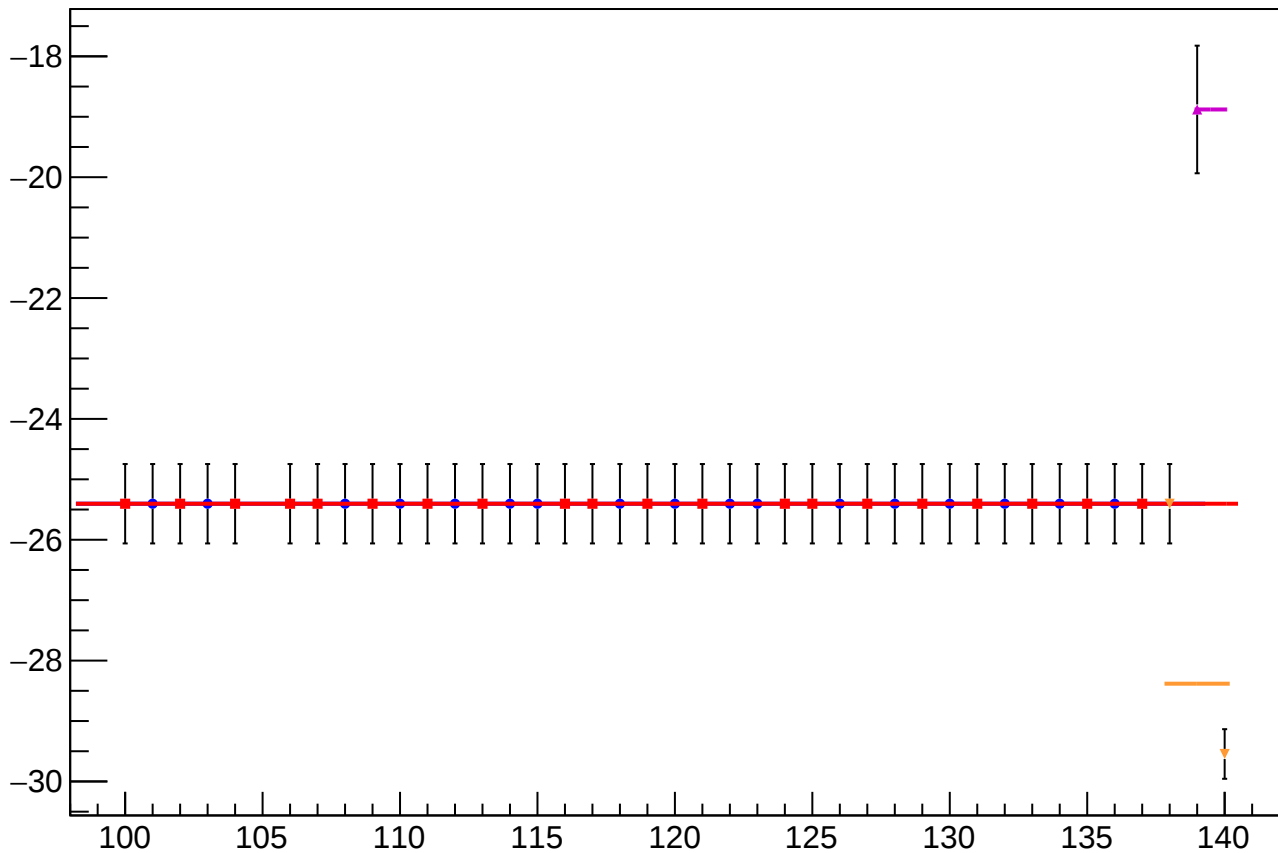
Right Out: 31.804 $\pm$ 0.142 χ^2 /NDF: 0.0/19

Left In: 47.822 $\pm$ 0.657 χ^2 /NDF: 0.0/0

31.817 $\pm$ 0.142 χ^2 /NDF: 0.1/18

32.521 $\pm$ 0.139 χ^2 /NDF: 568.1/20

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -25.404 $\pm$ 0.159 χ^2 /NDF: 0.0/16

Left Out: -28.382 $\pm$ 0.348 χ^2 /NDF: 28.6/1

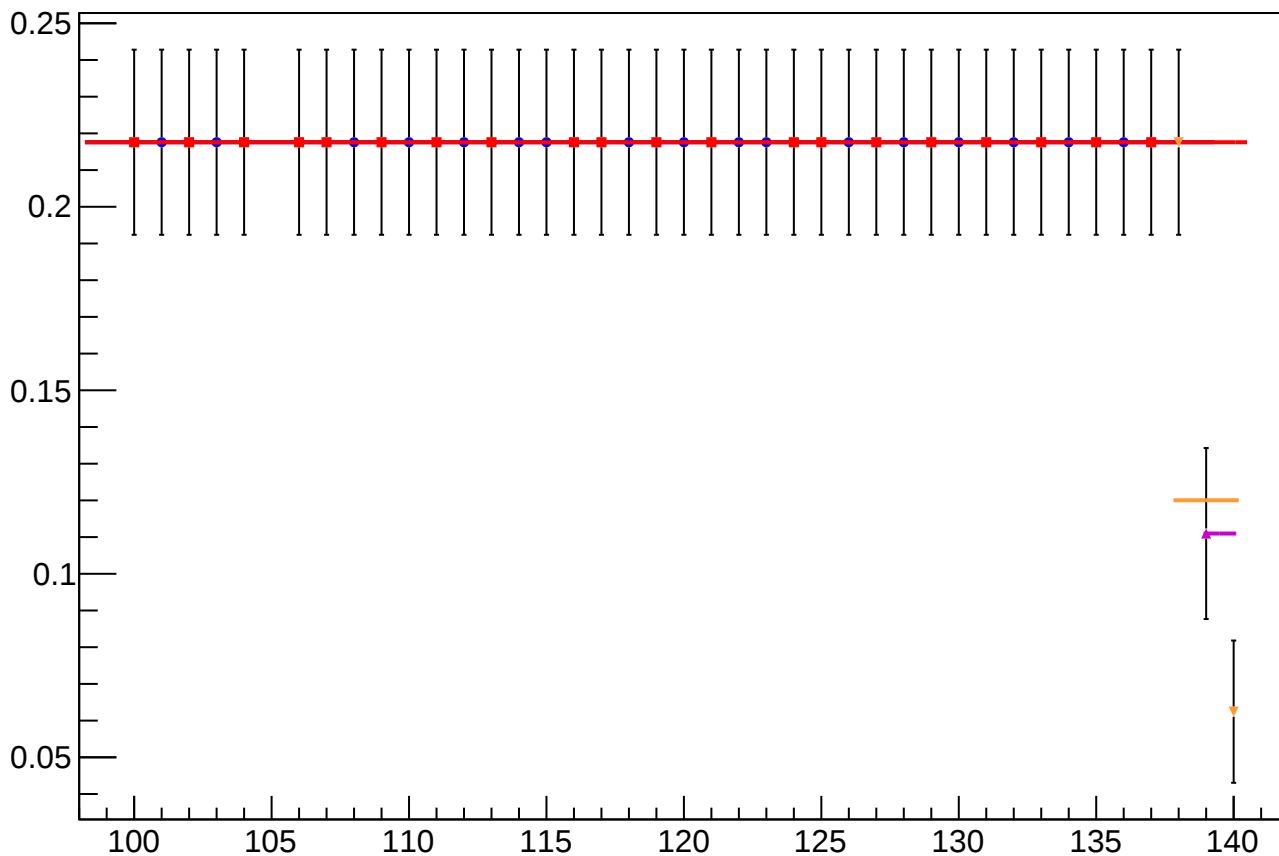
Right Out: -25.404 $\pm$ 0.147 χ^2 /NDF: 0.0/19

Left In: -18.879 $\pm$ 1.056 χ^2 /NDF: 0.0/0

-25.920 $\pm$ 0.145 χ^2 /NDF: 89.1/18

-25.280 $\pm$ 0.146 χ^2 /NDF: 37.5/20

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.218 $\pm$ 0.006 χ^2 /NDF: 0.0/16

Left Out: 0.120 $\pm$ 0.015 χ^2 /NDF:23.8/1

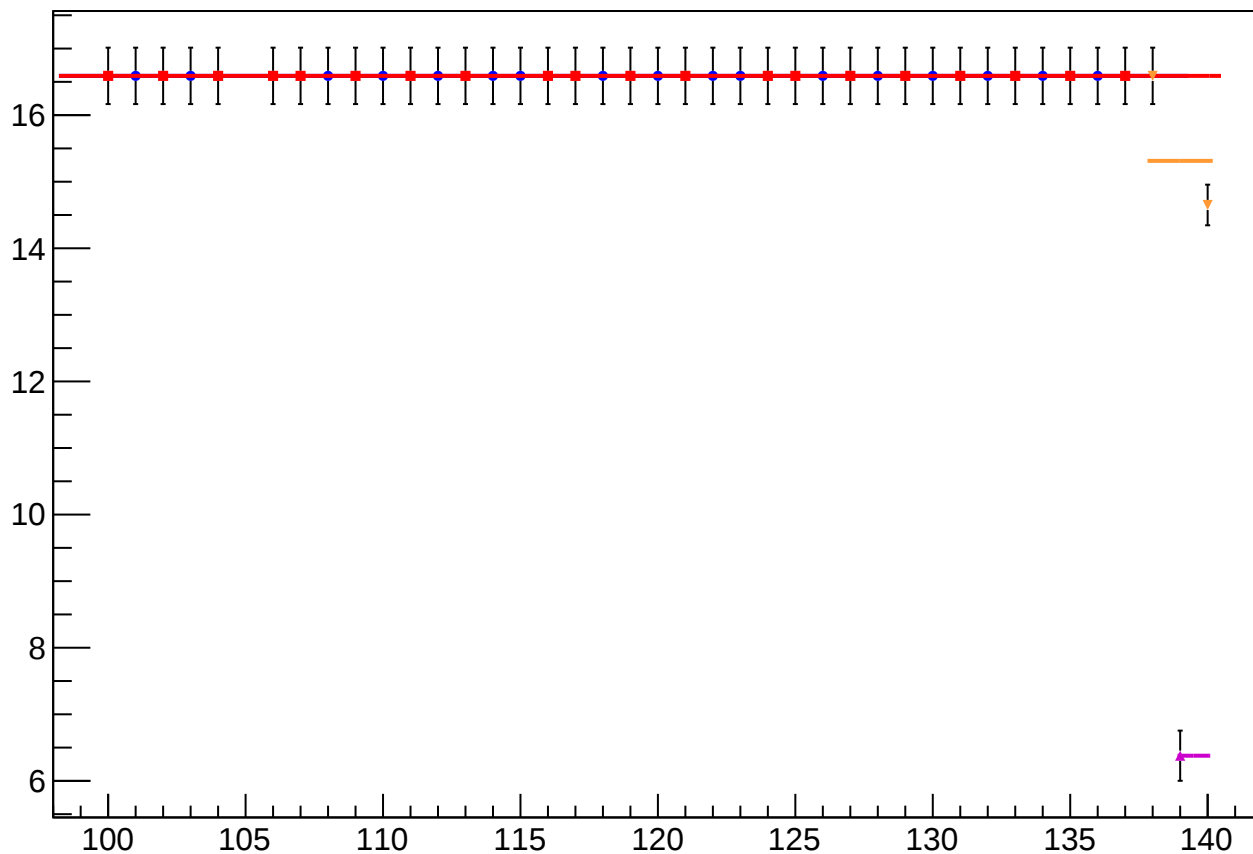
Right Out: 0.218 $\pm$ 0.006 χ^2 /NDF: 0.0/19

Left In: 0.111 $\pm$ 0.023 χ^2 /NDF:0.0/0

0.204 $\pm$ 0.006 χ^2 /NDF: 58.6/18

0.212 $\pm$ 0.005 χ^2 /NDF: 19.8/20

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 16.590 $\pm$ 0.103 χ^2 /NDF: 0.0/16

Left Out: 15.313 $\pm$ 0.248 χ^2 /NDF:13.8/1

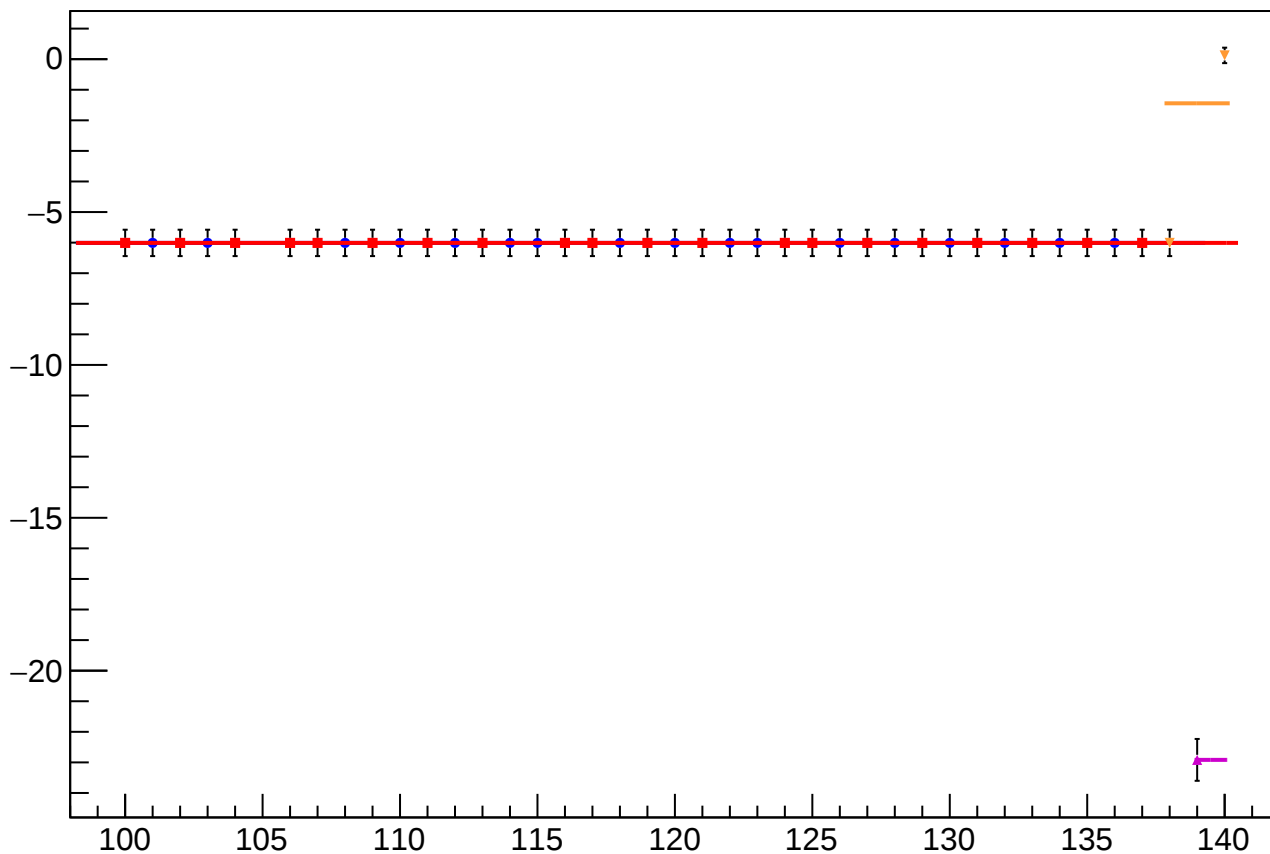
Right Out: 16.590 $\pm$ 0.095 χ^2 /NDF: 0.0/19

Left In: 6.378 $\pm$ 0.377 χ^2 /NDF:0.0/0

16.402 $\pm$ 0.095 χ^2 /NDF: 36.5/18

15.983 $\pm$ 0.092 χ^2 /NDF: 690.6/20

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.009 $\pm$ 0.105 χ^2 /NDF: 0.0/16

Left Out: -1.443 $\pm$ 0.218 χ^2 /NDF:150.4/1

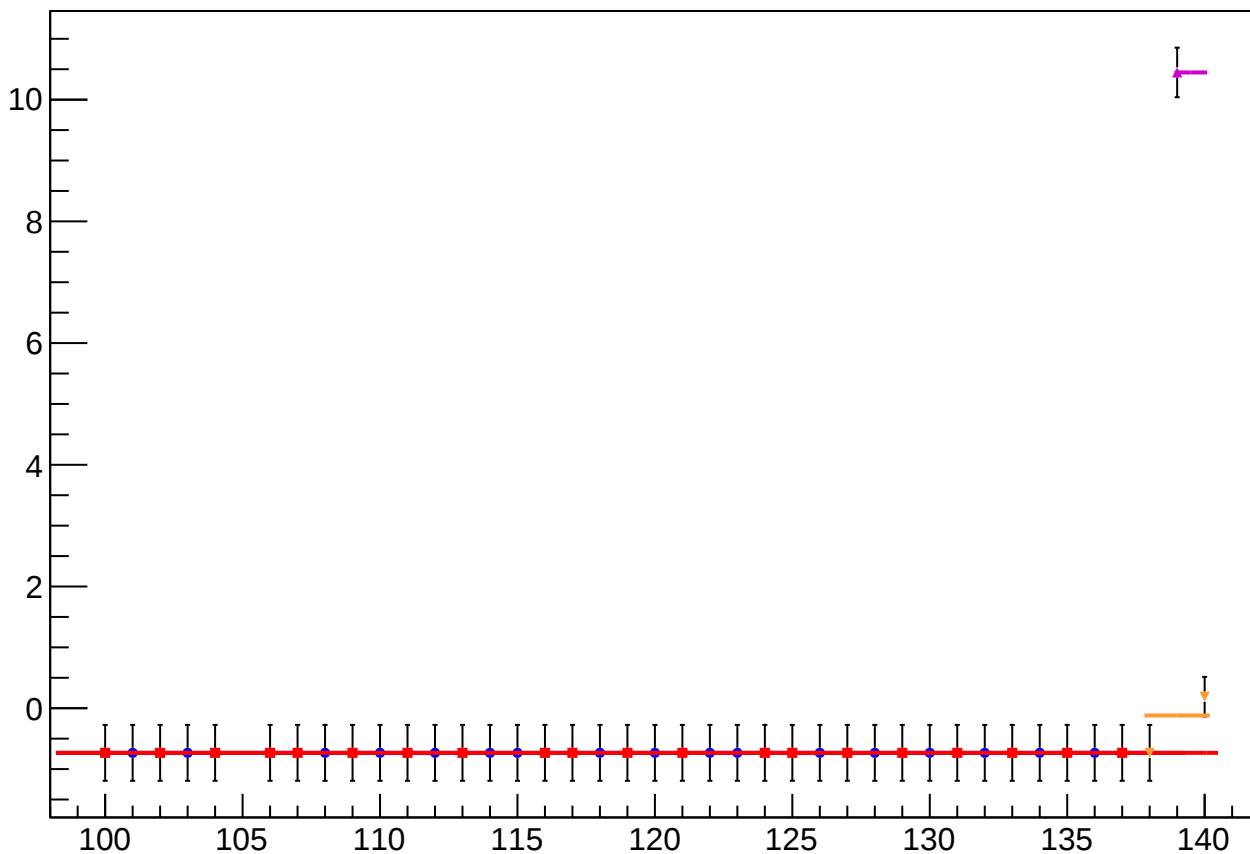
Right Out: -6.009 $\pm$ 0.096 χ^2 /NDF: 0.0/19

Left In: -22.918 $\pm$ 0.684 χ^2 /NDF:0.0/0

-5.155 $\pm$ 0.094 χ^2 /NDF: 506.6/18

-6.339 $\pm$ 0.096 χ^2 /NDF: 598.5/20

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.733 ± 0.111 χ^2/NDF : 0.0/16

Left Out: -0.119 ± 0.265 χ^2/NDF : 2.7/1

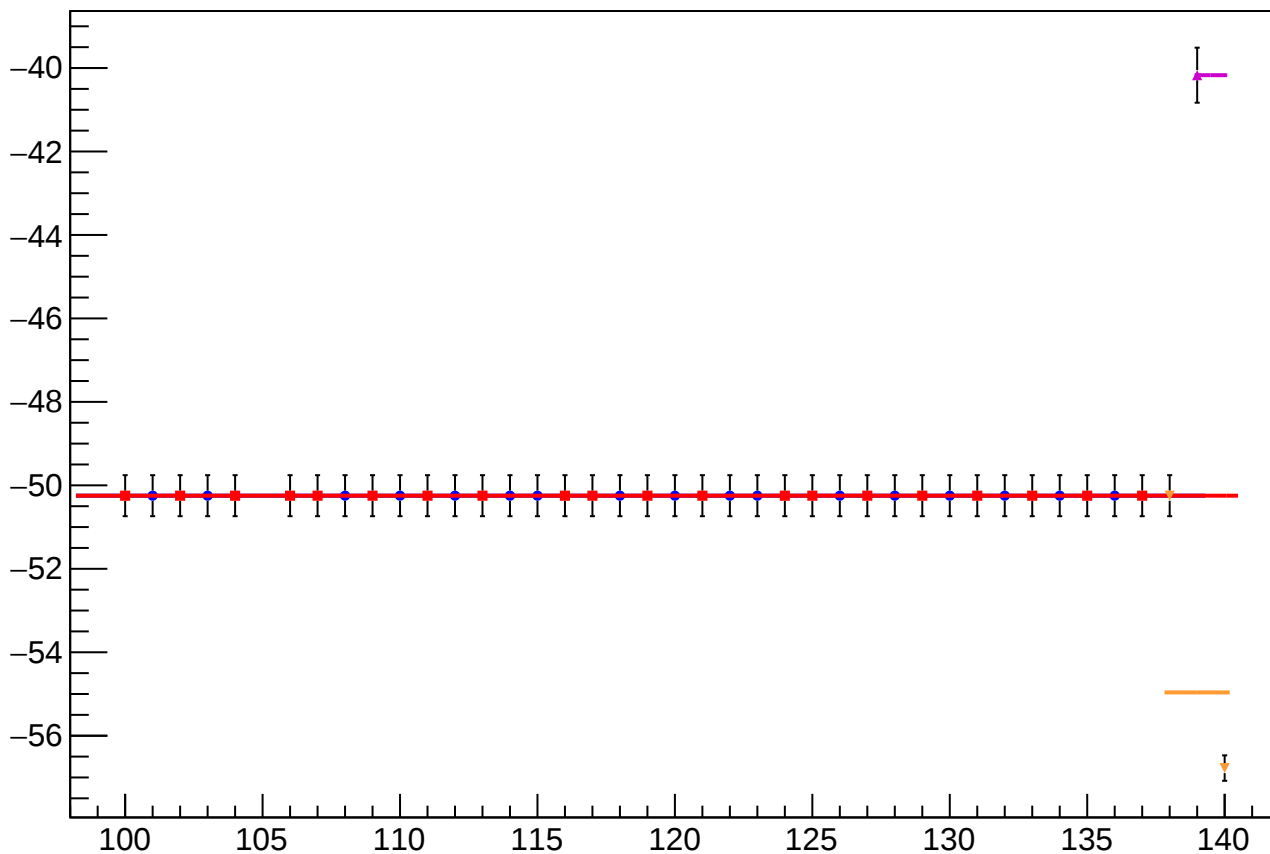
Right Out: -0.733 ± 0.103 χ^2/NDF : 0.0/19

Left In: 10.447 ± 0.407 χ^2/NDF : 0.0/0

-0.641 ± 0.103 χ^2/NDF : 7.2/18

-0.065 ± 0.100 χ^2/NDF : 708.5/20

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -50.248 ± 0.119 χ^2/NDF : 0.0/16

Left Out: -54.963 ± 0.259 χ^2/NDF : 127.3/1

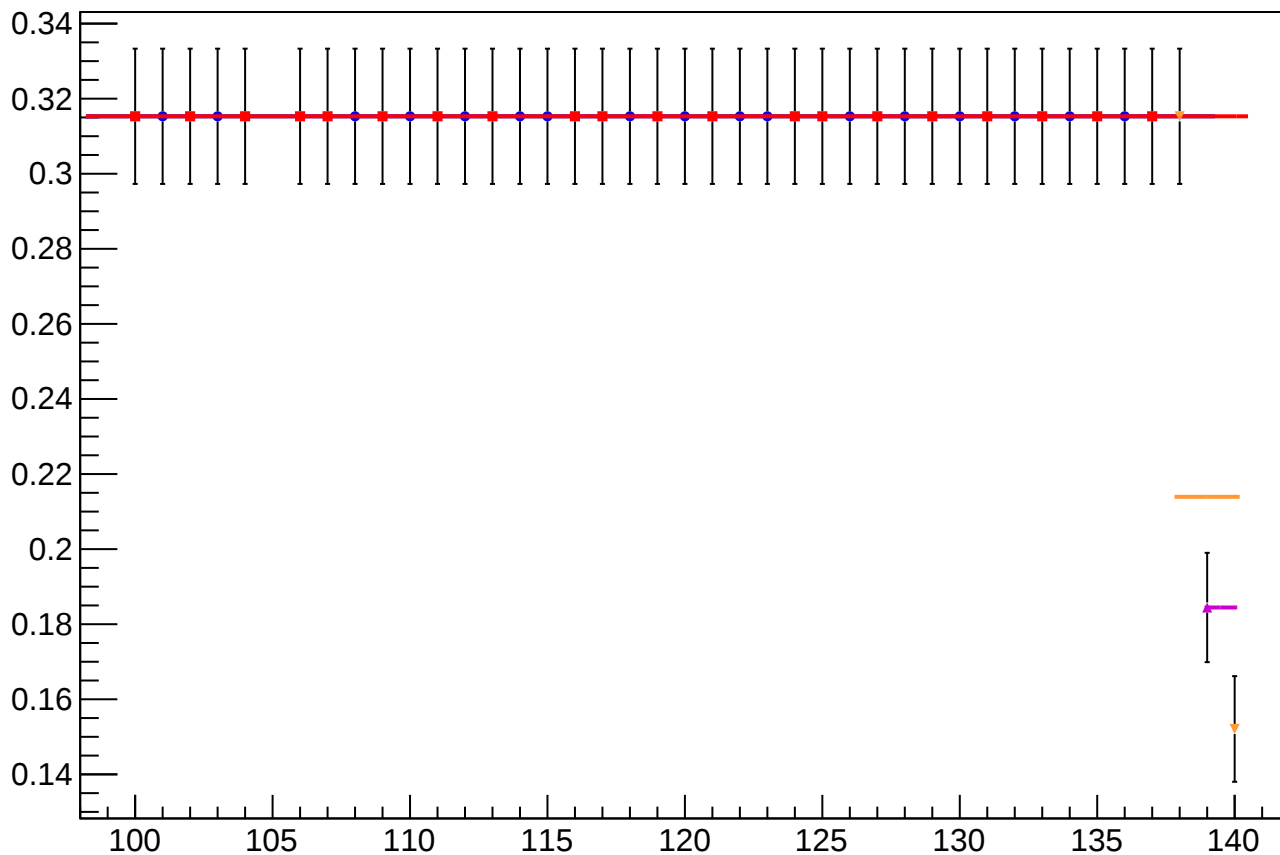
Right Out: -50.248 ± 0.110 χ^2/NDF : 0.0/19

Left In: -40.172 ± 0.659 χ^2/NDF : 0.0/0

-51.072 ± 0.108 χ^2/NDF : 400.6/18

-49.975 ± 0.108 χ^2/NDF : 227.2/20

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.315 $\pm$ 0.004 χ^2 /NDF: 0.0/16

Left Out: 0.214 $\pm$ 0.011 χ^2 /NDF: 51.0/1

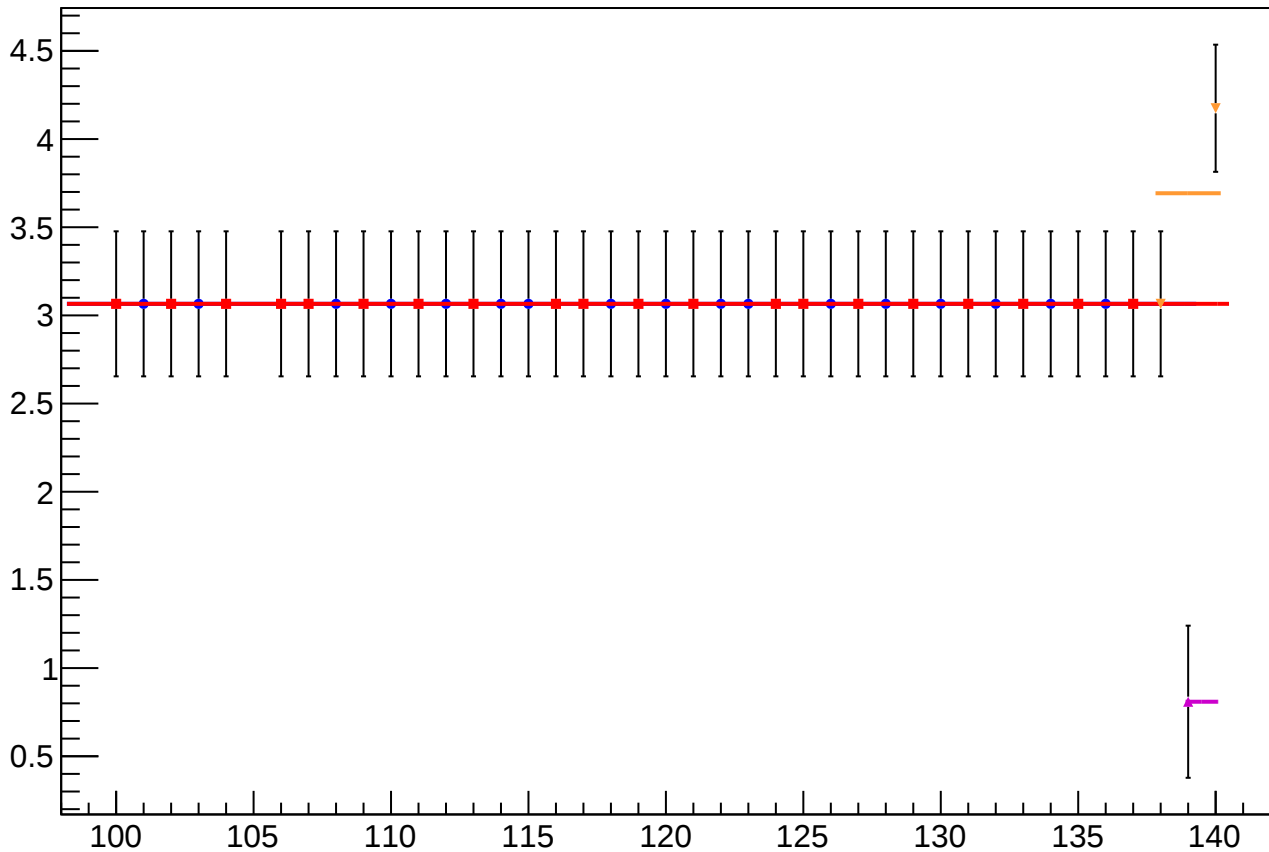
Right Out: 0.315 $\pm$ 0.004 χ^2 /NDF: 0.0/19

Left In: 0.184 $\pm$ 0.015 χ^2 /NDF: 0.0/0

0.302 $\pm$ 0.004 χ^2 /NDF: 123.3/18

0.306 $\pm$ 0.004 χ^2 /NDF: 75.0/20

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 3.066 $\pm$ 0.100 χ^2 /NDF: 0.0/16

Left Out: 3.693 $\pm$ 0.271 χ^2 /NDF: 4.1/1

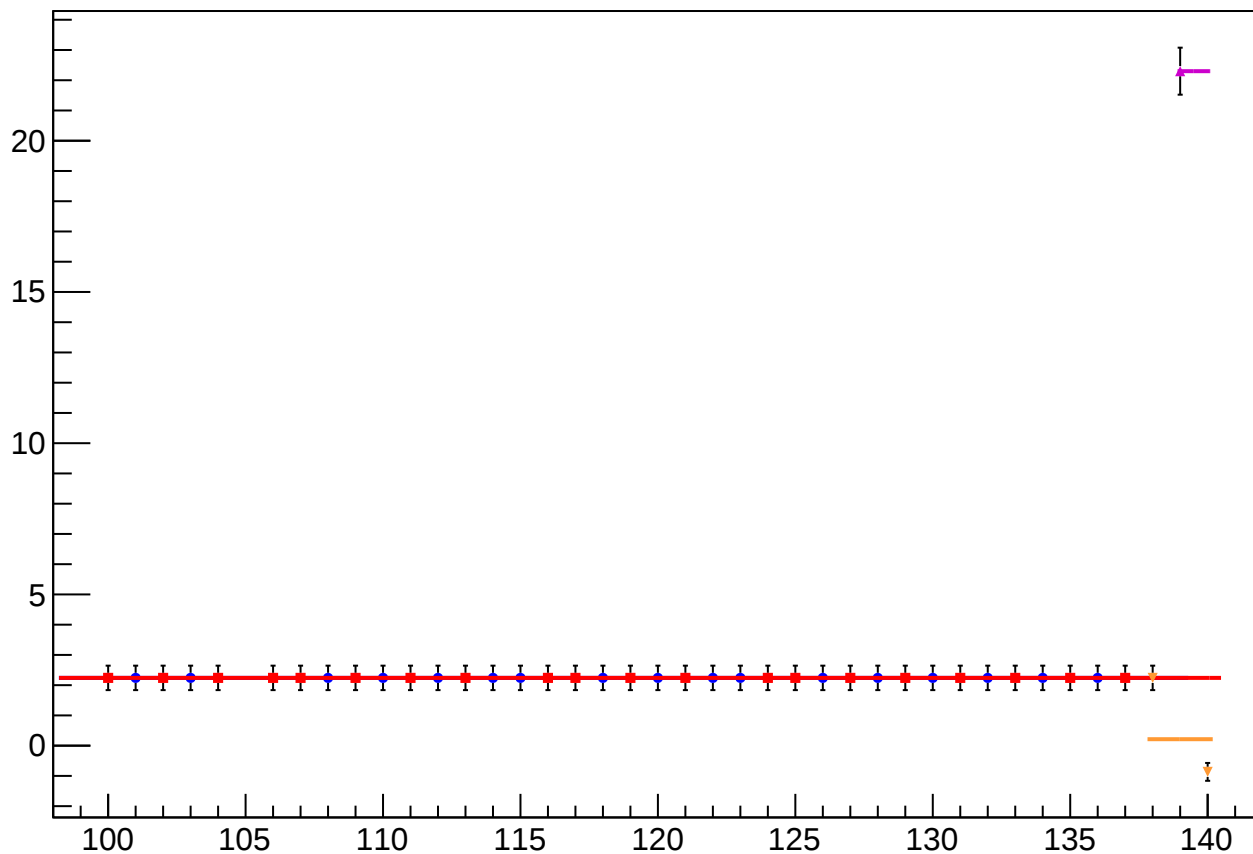
Right Out: 3.066 $\pm$ 0.092 χ^2 /NDF: 0.0/19

Left In: 0.809 $\pm$ 0.431 χ^2 /NDF: 0.0/0

3.140 $\pm$ 0.094 χ^2 /NDF: 8.8/18

2.967 $\pm$ 0.090 χ^2 /NDF: 26.2/20

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 2.241 ± 0.098 χ^2/NDF : 0.0/16

Left Out: 0.214 ± 0.238 χ^2/NDF : 38.6/1

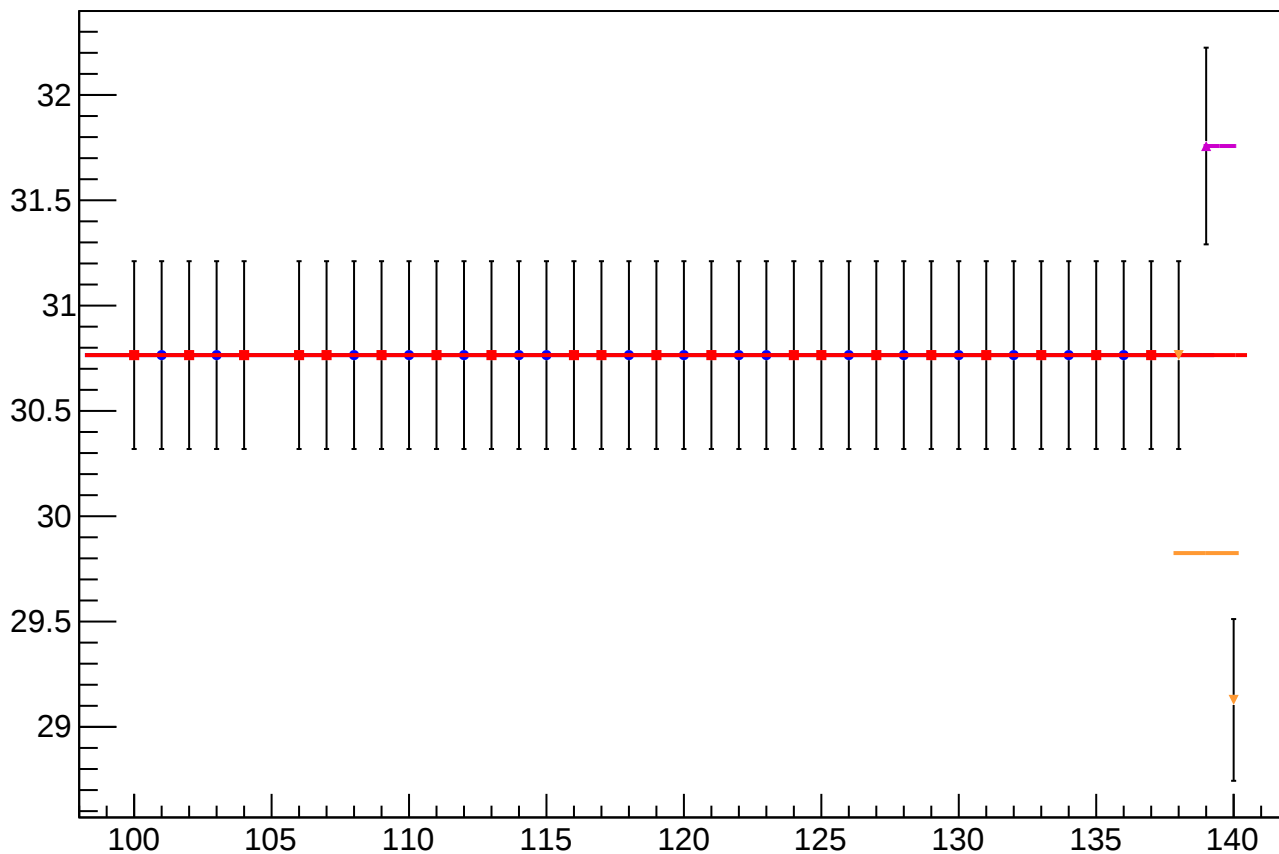
Right Out: 2.241 ± 0.090 χ^2/NDF : 0.0/19

Left In: 22.300 ± 0.777 χ^2/NDF : 0.0/0

1.947 ± 0.091 χ^2/NDF : 100.4/18

2.508 ± 0.090 χ^2/NDF : 657.3/20

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 30.765 $\pm$ 0.108 χ^2 /NDF: 0.0/16

Left Out: 29.825 $\pm$ 0.291 χ^2 /NDF: 7.7/1

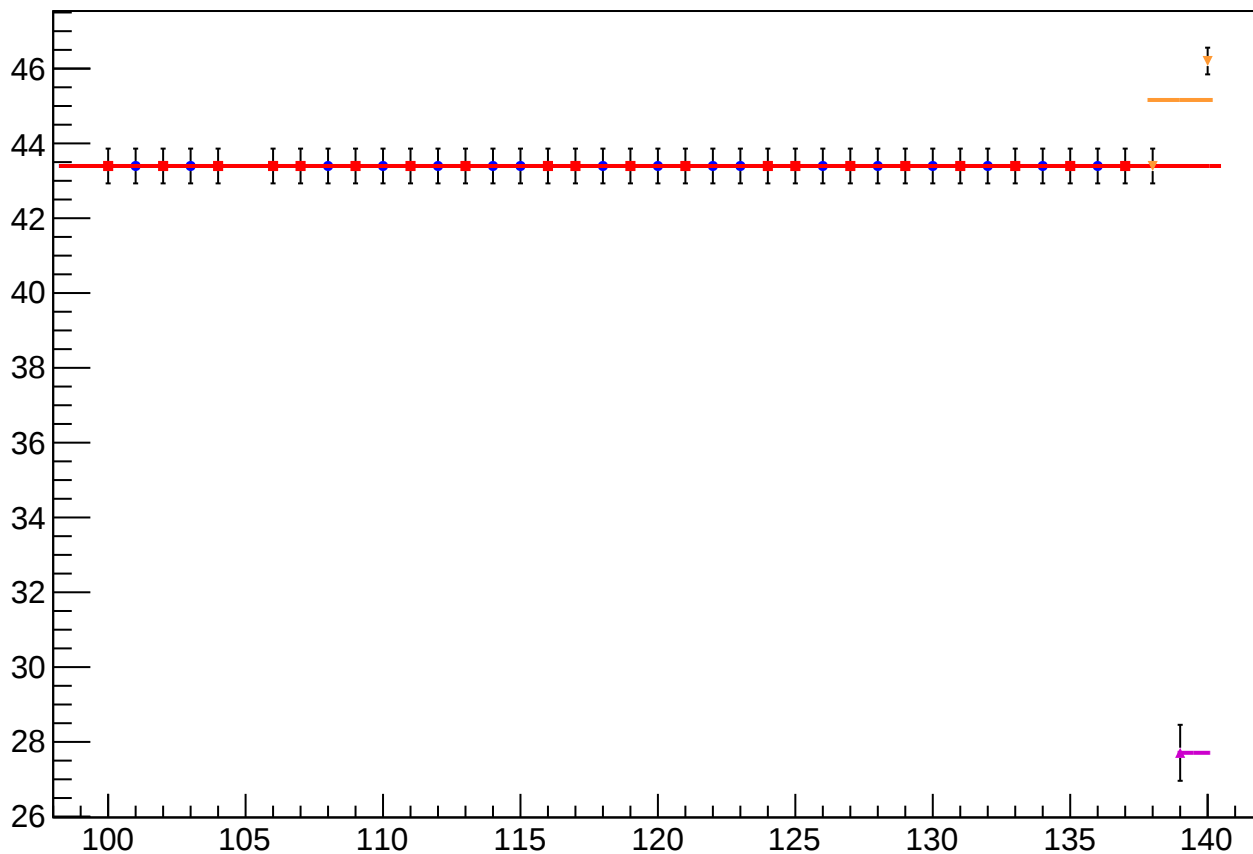
Right Out: 30.765 $\pm$ 0.100 χ^2 /NDF: 0.0/19

Left In: 31.758 $\pm$ 0.467 χ^2 /NDF: 0.0/0

30.651 $\pm$ 0.101 χ^2 /NDF: 16.9/18

30.808 $\pm$ 0.097 χ^2 /NDF: 4.3/20

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 43.396 $\pm$ 0.113 χ^2 /NDF: 0.0/16

Left Out: 45.161 $\pm$ 0.283 χ^2 /NDF:22.9/1

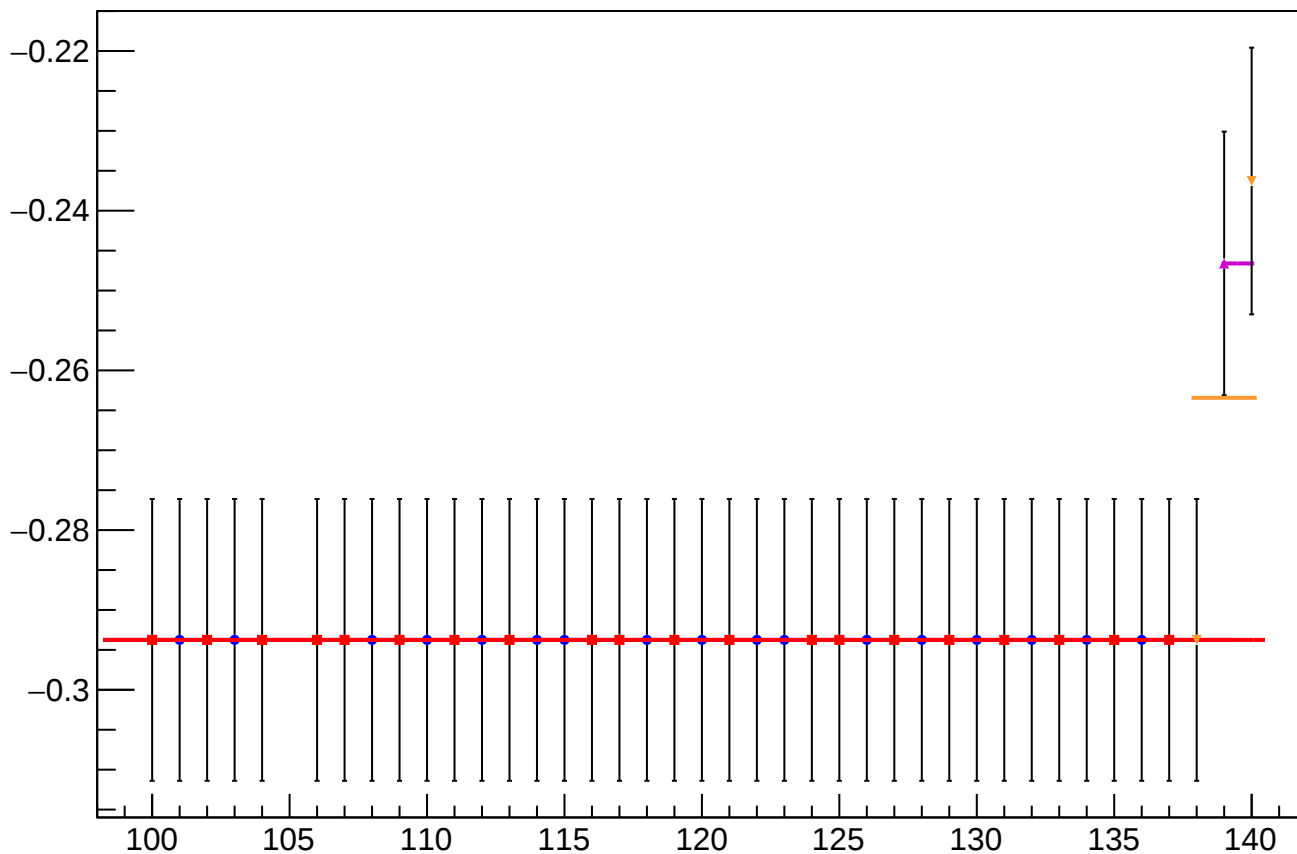
Right Out: 43.396 $\pm$ 0.104 χ^2 /NDF: 0.0/19

Left In: 27.709 $\pm$ 0.748 χ^2 /NDF:0.0/0

43.638 $\pm$ 0.105 χ^2 /NDF: 56.5/18

43.099 $\pm$ 0.103 χ^2 /NDF: 431.2/20

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.294 $\pm$ 0.004 χ^2 /NDF: 0.0/16

Left Out: -0.263 $\pm$ 0.012 χ^2 /NDF: 5.6/1

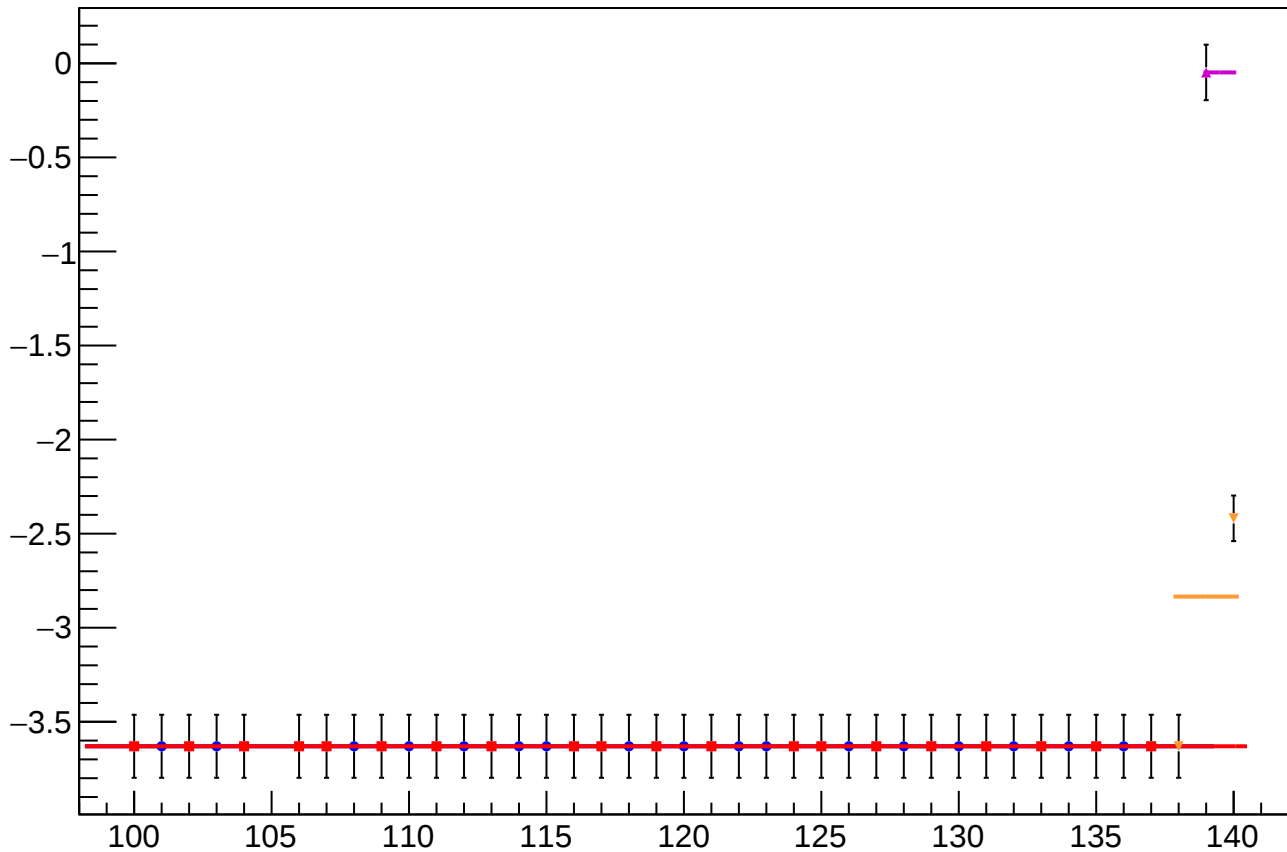
Right Out: -0.294 $\pm$ 0.004 χ^2 /NDF: 0.0/19

Left In: -0.247 $\pm$ 0.017 χ^2 /NDF: 0.0/0

-0.290 $\pm$ 0.004 χ^2 /NDF: 11.2/18

-0.291 $\pm$ 0.004 χ^2 /NDF: 7.7/20

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -3.630 $\pm$ 0.041 χ^2/NDF : 0.0/16

Left Out: -2.835 $\pm$ 0.098 χ^2/NDF : 34.4/1

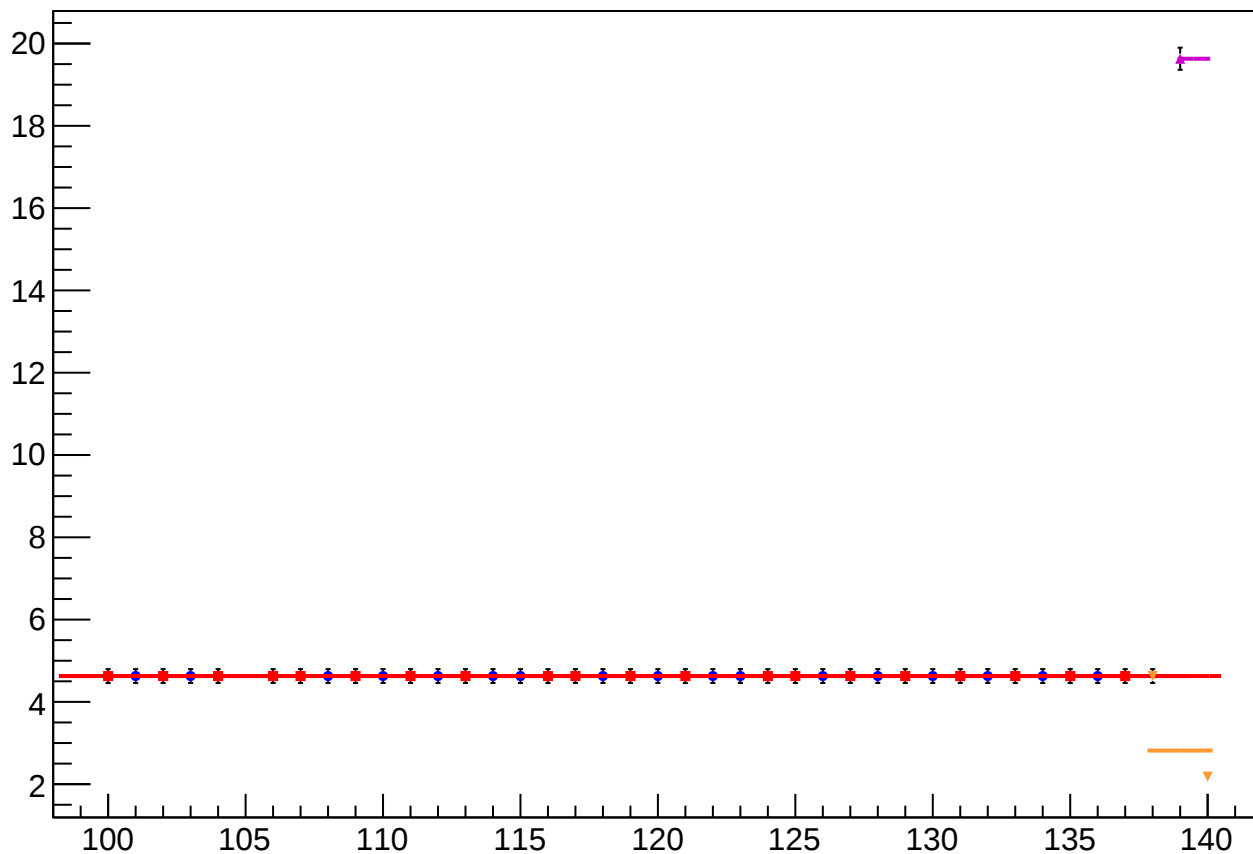
Right Out: -3.630 $\pm$ 0.037 χ^2/NDF : 0.0/19

Left In: -0.048 $\pm$ 0.148 χ^2/NDF : 0.0/0

-3.514 $\pm$ 0.038 χ^2/NDF : 90.5/18

-3.413 $\pm$ 0.036 χ^2/NDF : 553.5/20

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 4.628 $\pm$ 0.041 χ^2 /NDF: 0.0/16

Left Out: 2.817 $\pm$ 0.086 χ^2 /NDF:154.8/1

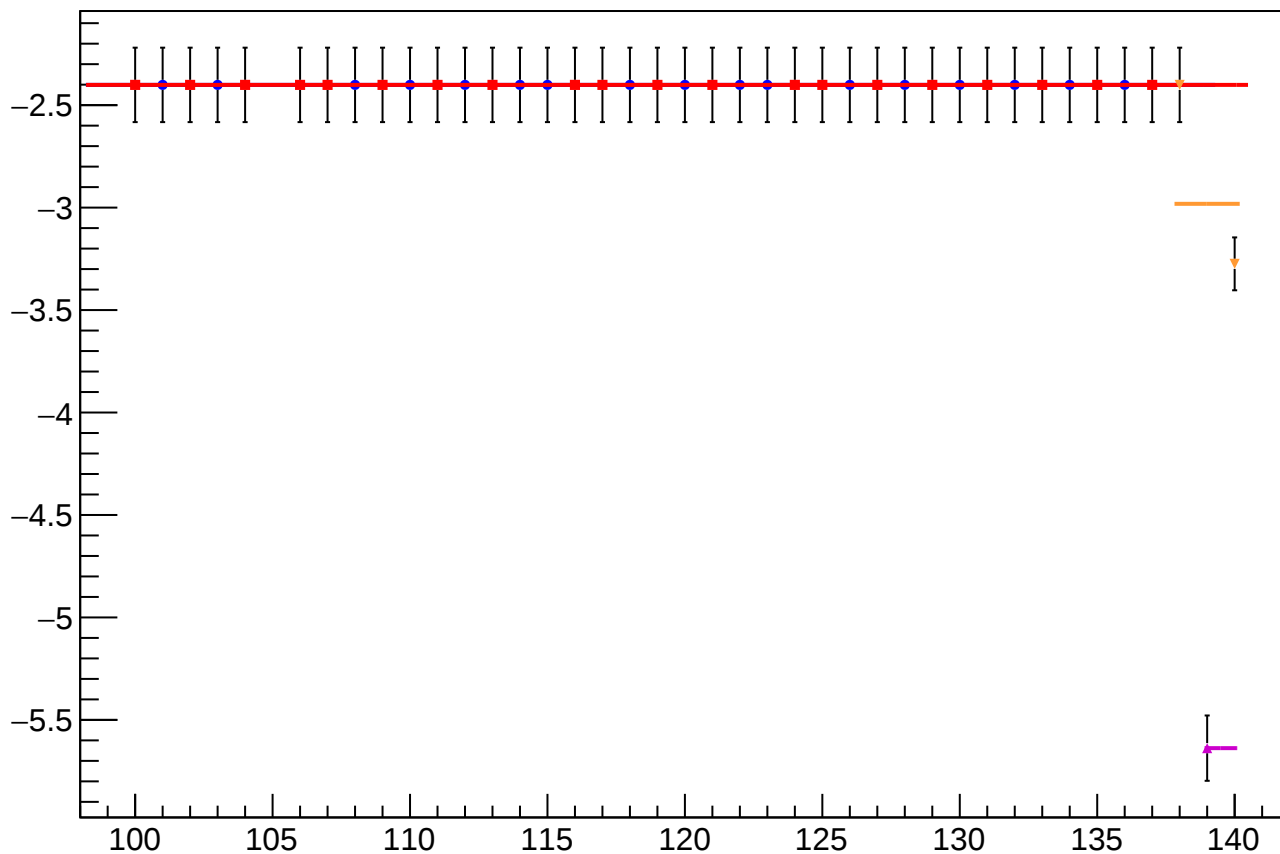
Right Out: 4.628 $\pm$ 0.038 χ^2 /NDF: 0.0/19

Left In: 19.630 $\pm$ 0.269 χ^2 /NDF:0.0/0

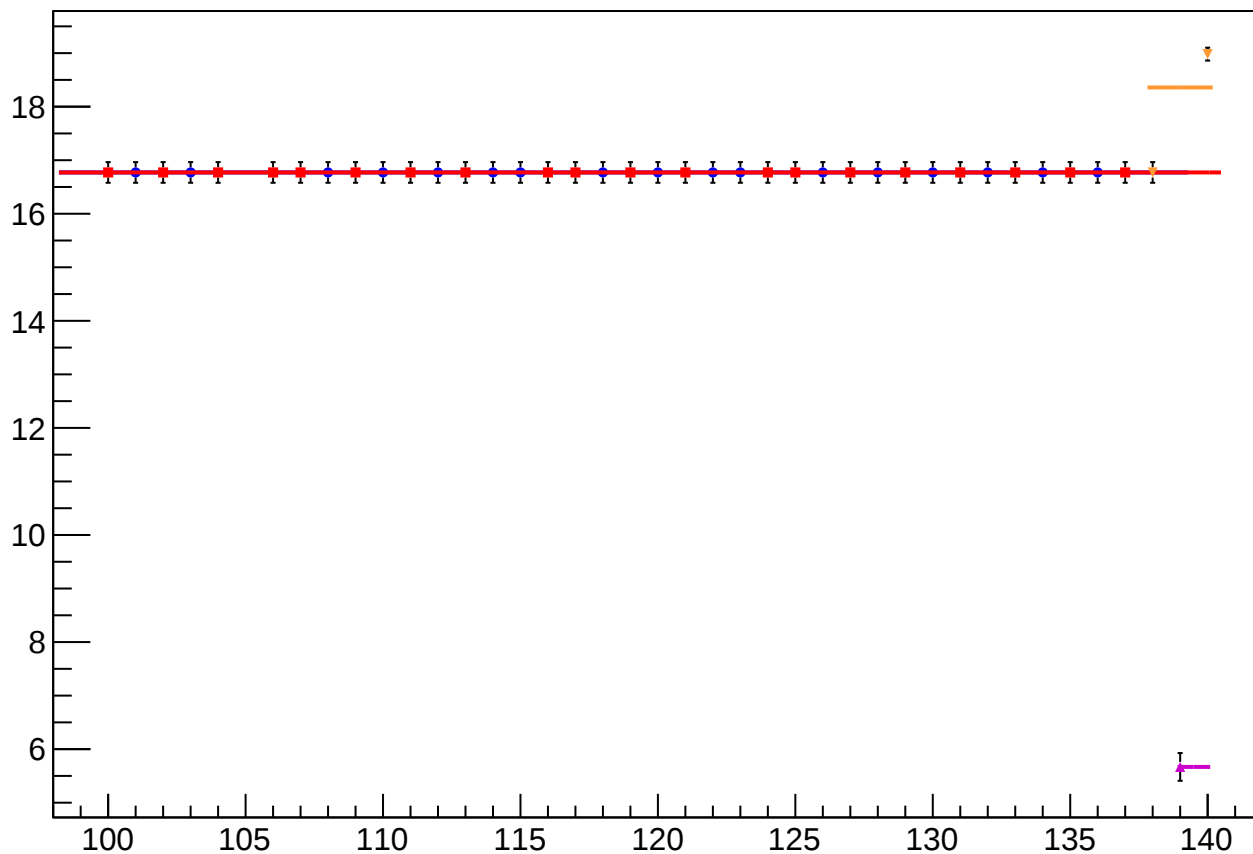
4.294 $\pm$ 0.037 χ^2 /NDF: 514.6/18

4.919 $\pm$ 0.037 χ^2 /NDF: 3049.9/20

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 16.771+/-0.047 χ^2 /NDF: 0.0/16

Left Out: 18.359+/-0.102 χ^2 /NDF:94.0/1

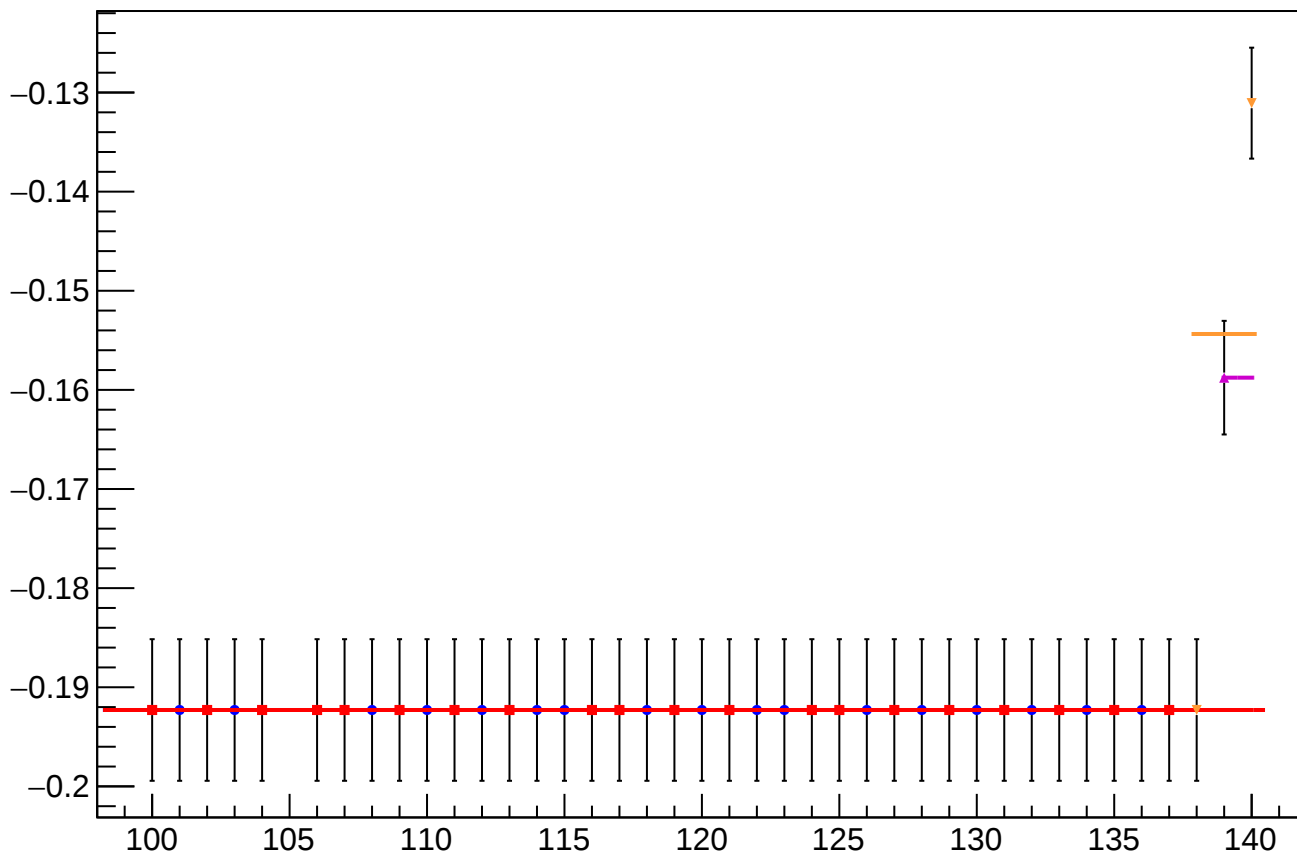
Right Out: 16.771+/-0.043 χ^2 /NDF: 0.0/19

Left In: 5.668+/-0.259 χ^2 /NDF:0.0/0

17.046+/-0.043 χ^2 /NDF: 292.6/18

16.472+/-0.043 χ^2 /NDF: 1784.2/20

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.192 $\pm$ 0.002 χ^2 /NDF: 0.0/16

Left Out: -0.154 $\pm$ 0.004 χ^2 /NDF: 45.5/1

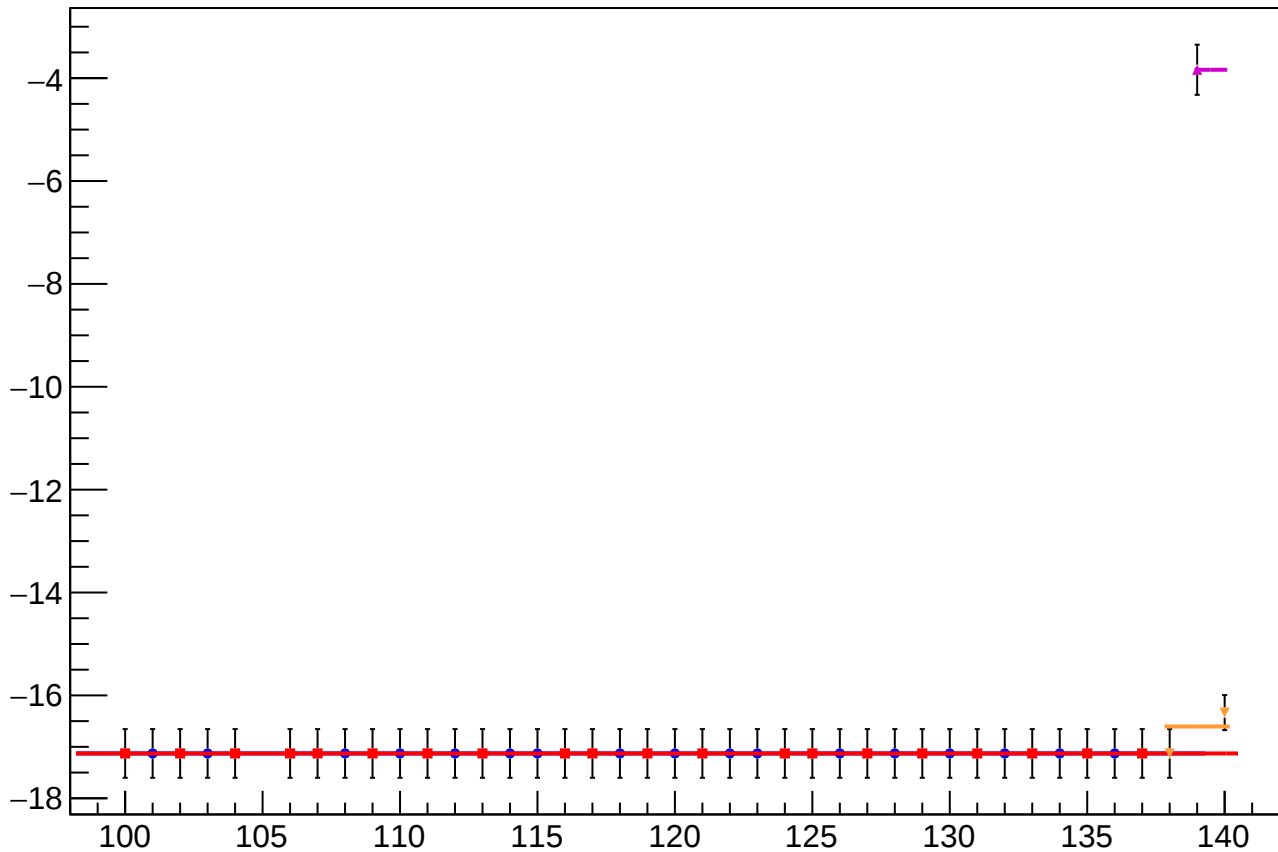
Right Out: -0.192 $\pm$ 0.002 χ^2 /NDF: 0.0/19

Left In: -0.159 $\pm$ 0.006 χ^2 /NDF: 0.0/0

-0.187 $\pm$ 0.002 χ^2 /NDF: 109.7/18

-0.190 $\pm$ 0.002 χ^2 /NDF: 31.8/20

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -17.128 ± 0.115 χ^2/NDF : 0.0/16

Left Out: -16.605 ± 0.276 χ^2/NDF : 1.9/1

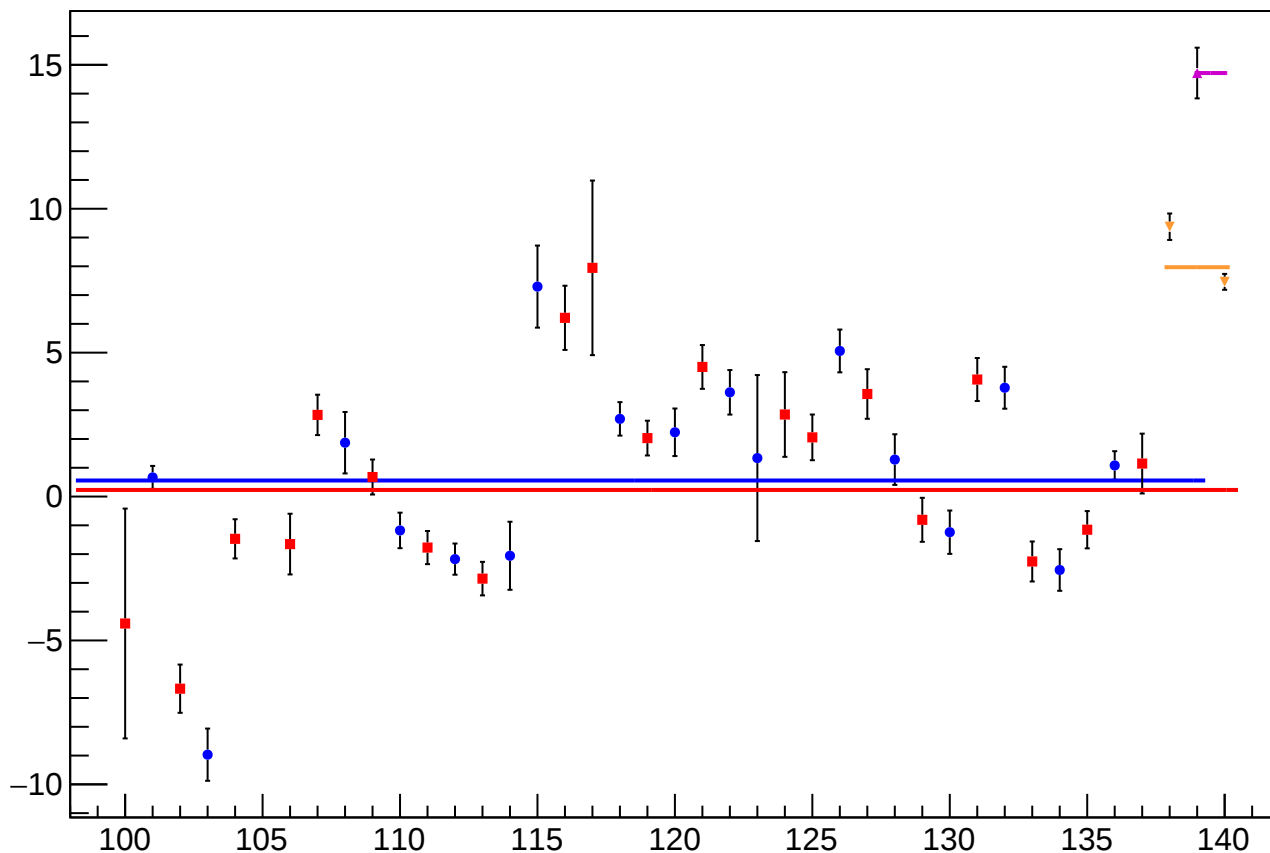
Right Out: -17.128 ± 0.106 χ^2/NDF : 0.0/19

Left In: -3.837 ± 0.488 χ^2/NDF : 0.0/0

-17.051 ± 0.106 χ^2/NDF : 4.9/18

-16.530 ± 0.103 χ^2/NDF : 709.4/20

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 $\pm$ 0.170 χ^2 /NDF: 287.9/16

Left Out: 7.968 $\pm$ 0.237 χ^2 /NDF:12.8/1

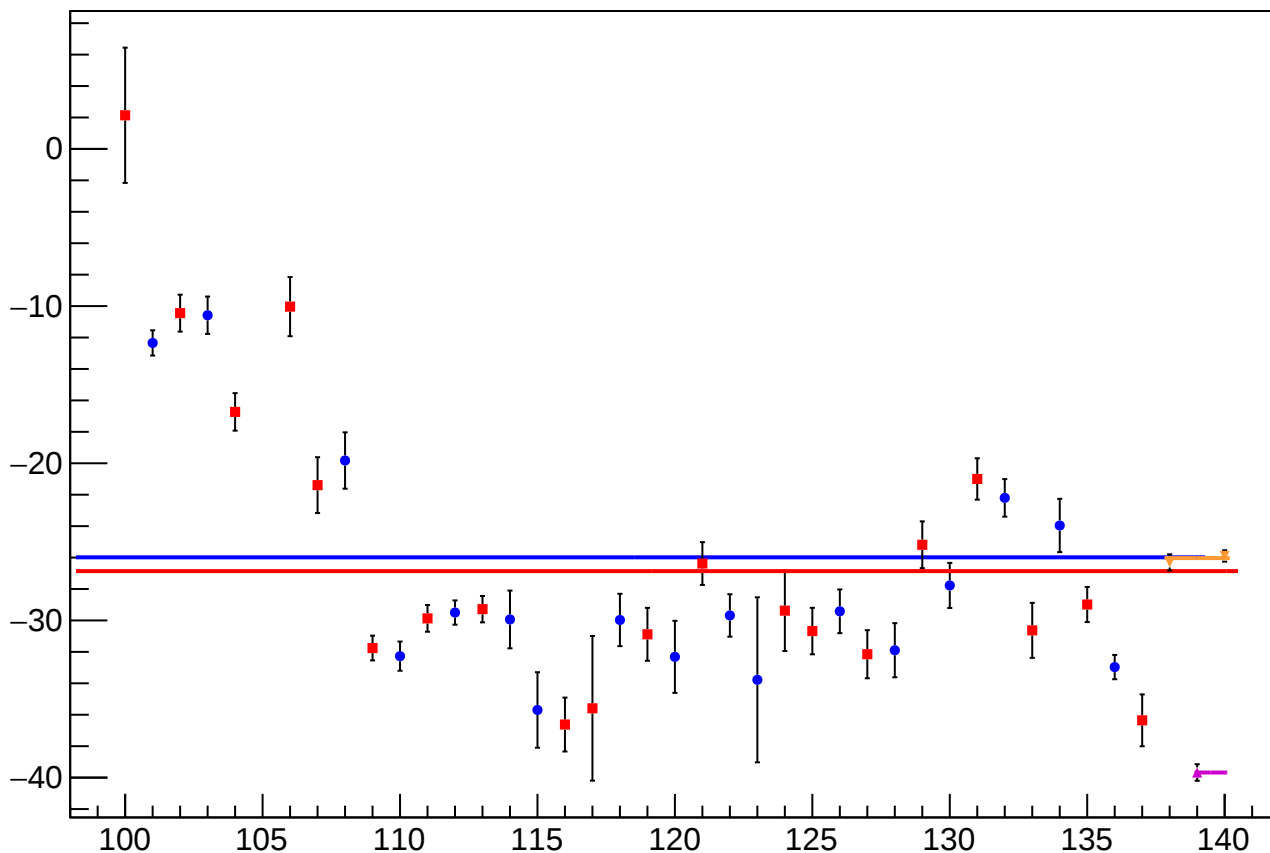
Right Out: 0.230 $\pm$ 0.174 χ^2 /NDF: 278.5/19

Left In: 14.715 $\pm$ 0.881 χ^2 /NDF:0.0/0

3.082 $\pm$ 0.138 χ^2 /NDF: 946.7/18

0.775 $\pm$ 0.171 χ^2 /NDF: 538.6/20

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 $\chi^2/\text{NDF}: 691.5/16$

Left Out: -26.033 ± 0.296 $\chi^2/\text{NDF}: 0.4/1$

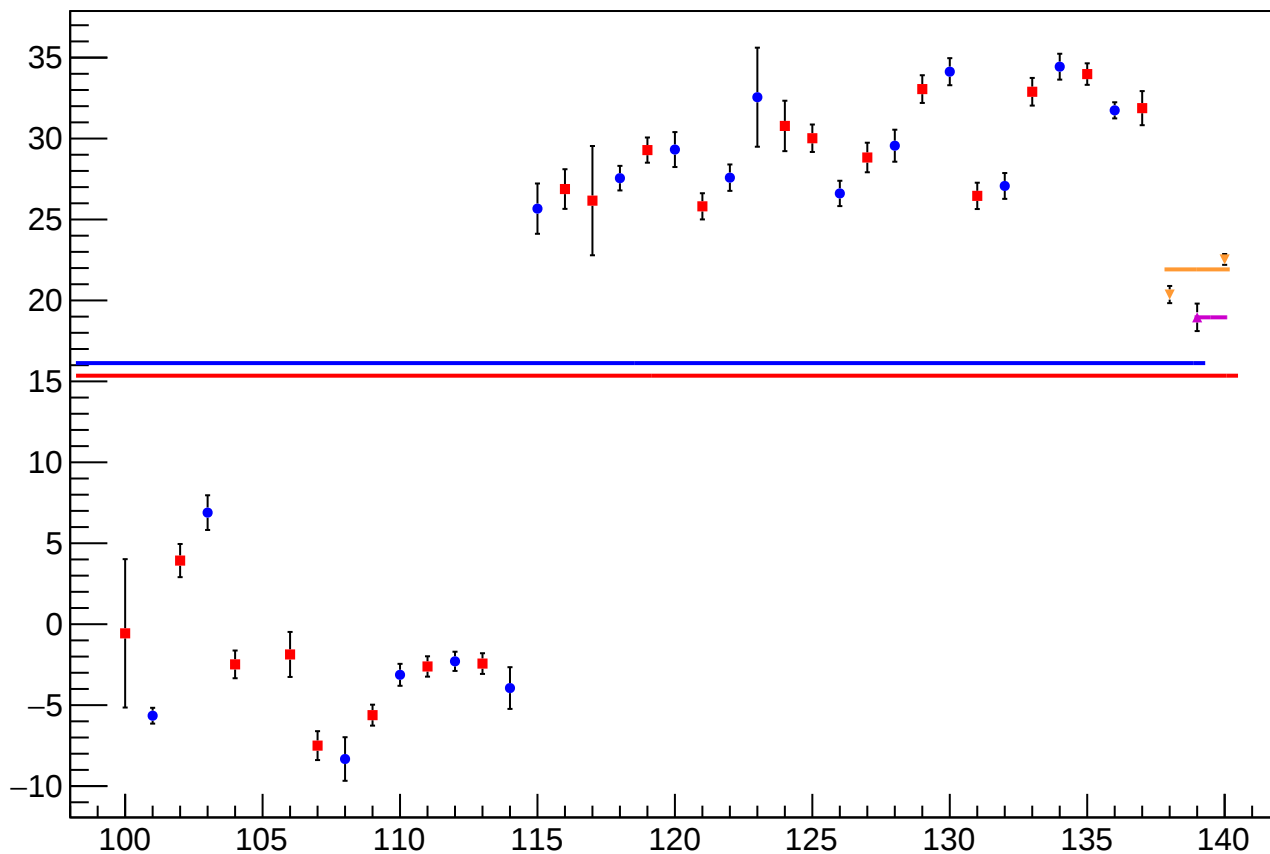
Right Out: -26.861 ± 0.297 $\chi^2/\text{NDF}: 585.2/19$

Left In: -39.675 ± 0.528 $\chi^2/\text{NDF}: 0.0/0$

-26.009 ± 0.211 $\chi^2/\text{NDF}: 691.9/18$

-29.944 ± 0.259 $\chi^2/\text{NDF}: 1032.9/20$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129+/-0.192 χ^2 /NDF: 7572.5/16

Left Out: 21.917+/-0.283 χ^2 /NDF:12.0/1

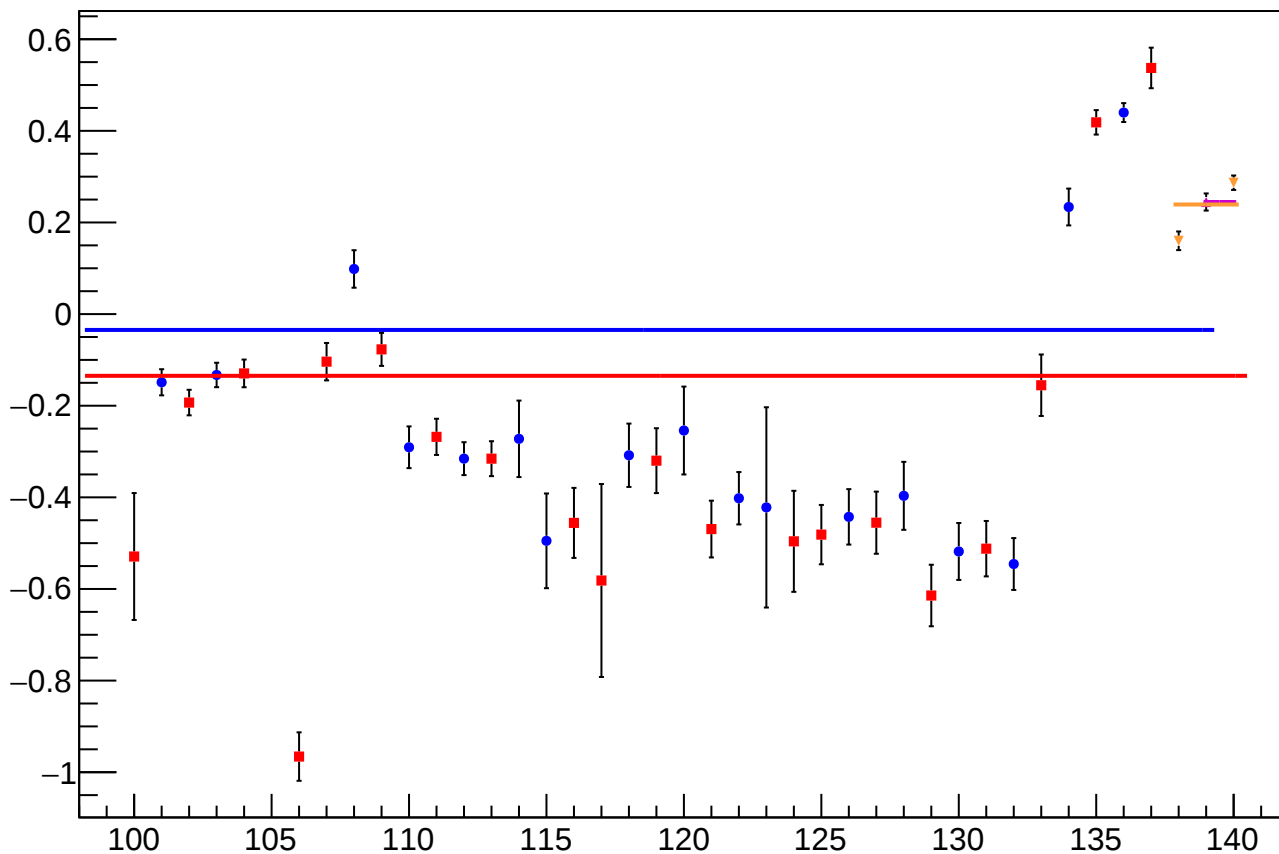
Right Out: 15.352+/-0.197 χ^2 /NDF: 7288.4/19

Left In: 18.956+/-0.849 χ^2 /NDF:0.0/0

17.958+/-0.159 χ^2 /NDF: 7871.5/18

15.535+/-0.192 χ^2 /NDF: 7305.5/20

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 $\chi^2/\text{NDF}: 1011.6/16$

Left Out: 0.239 ± 0.012 $\chi^2/\text{NDF}: 24.3/1$

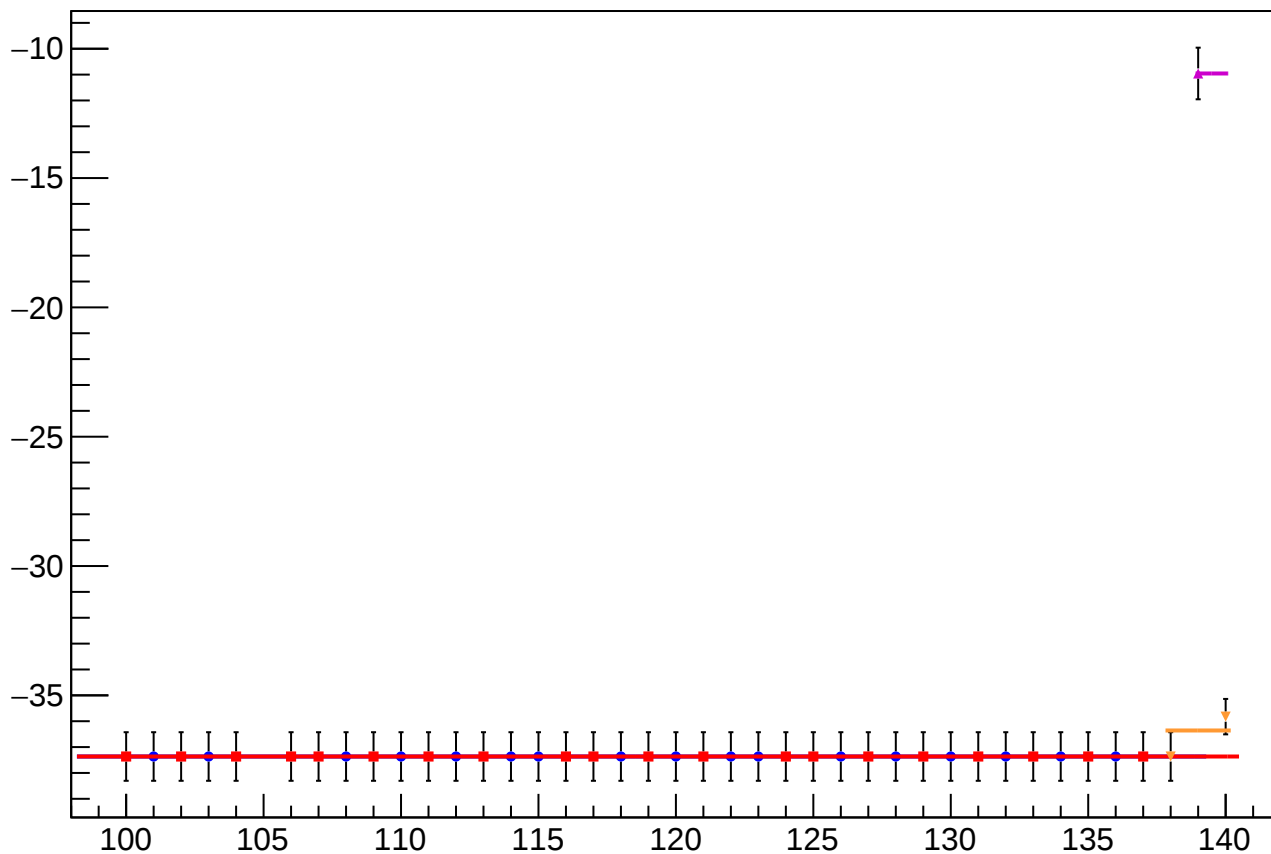
Right Out: -0.135 ± 0.010 $\chi^2/\text{NDF}: 1166.4/19$

Left In: 0.245 ± 0.019 $\chi^2/\text{NDF}: 0.0/0$

0.077 ± 0.008 $\chi^2/\text{NDF}: 1322.3/18$

-0.046 ± 0.009 $\chi^2/\text{NDF}: 1480.7/20$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -37.364 ± 0.228 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -36.358 ± 0.553 $\chi^2/\text{NDF}: 1.8/1$

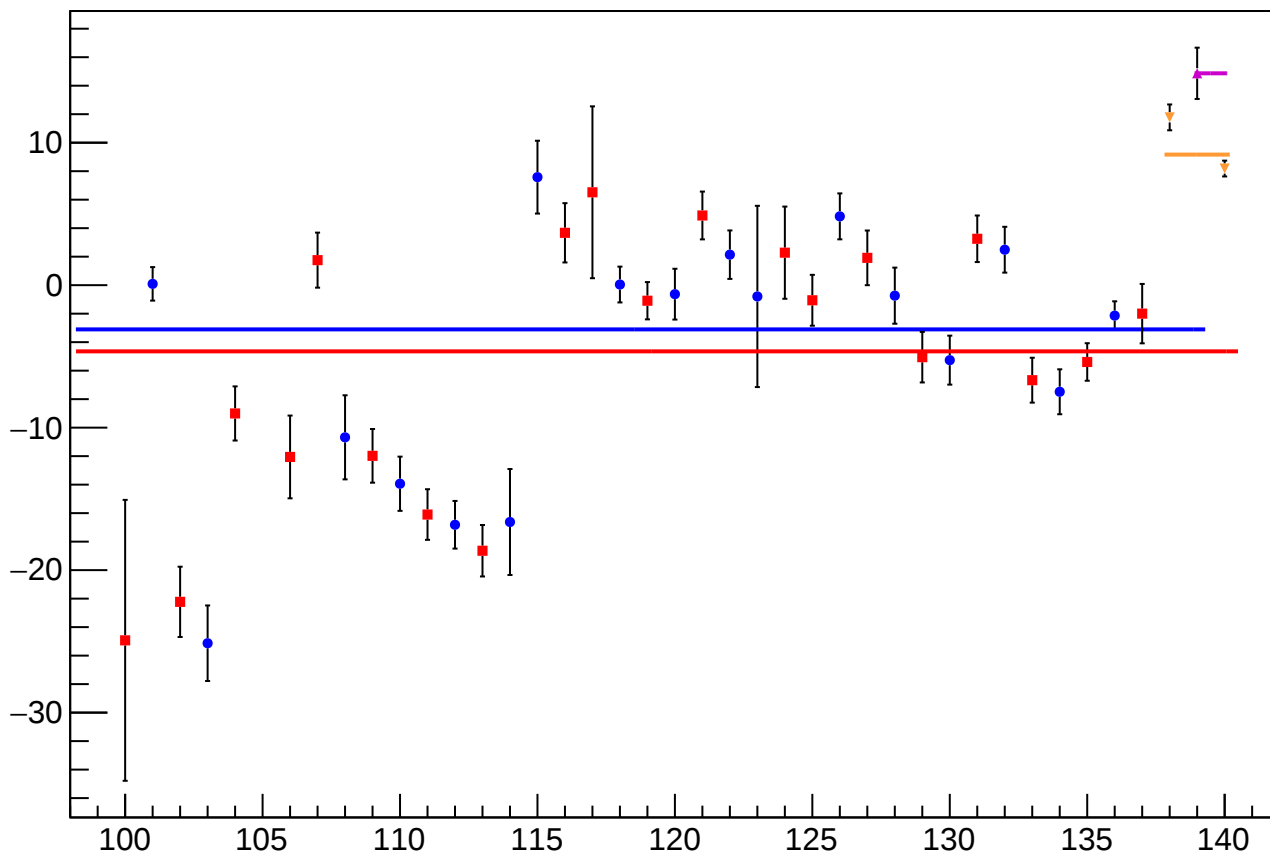
Right Out: -37.364 ± 0.210 $\chi^2/\text{NDF}: 0.0/19$

Left In: -10.957 ± 0.998 $\chi^2/\text{NDF}: 0.0/0$

-37.219 ± 0.211 $\chi^2/\text{NDF}: 4.6/18$

-36.245 ± 0.206 $\chi^2/\text{NDF}: 670.4/20$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 $\pm$ 0.411 χ^2 /NDF: 279.1/16

2.169 $\pm$ 0.310 χ^2 /NDF: 673.4/18

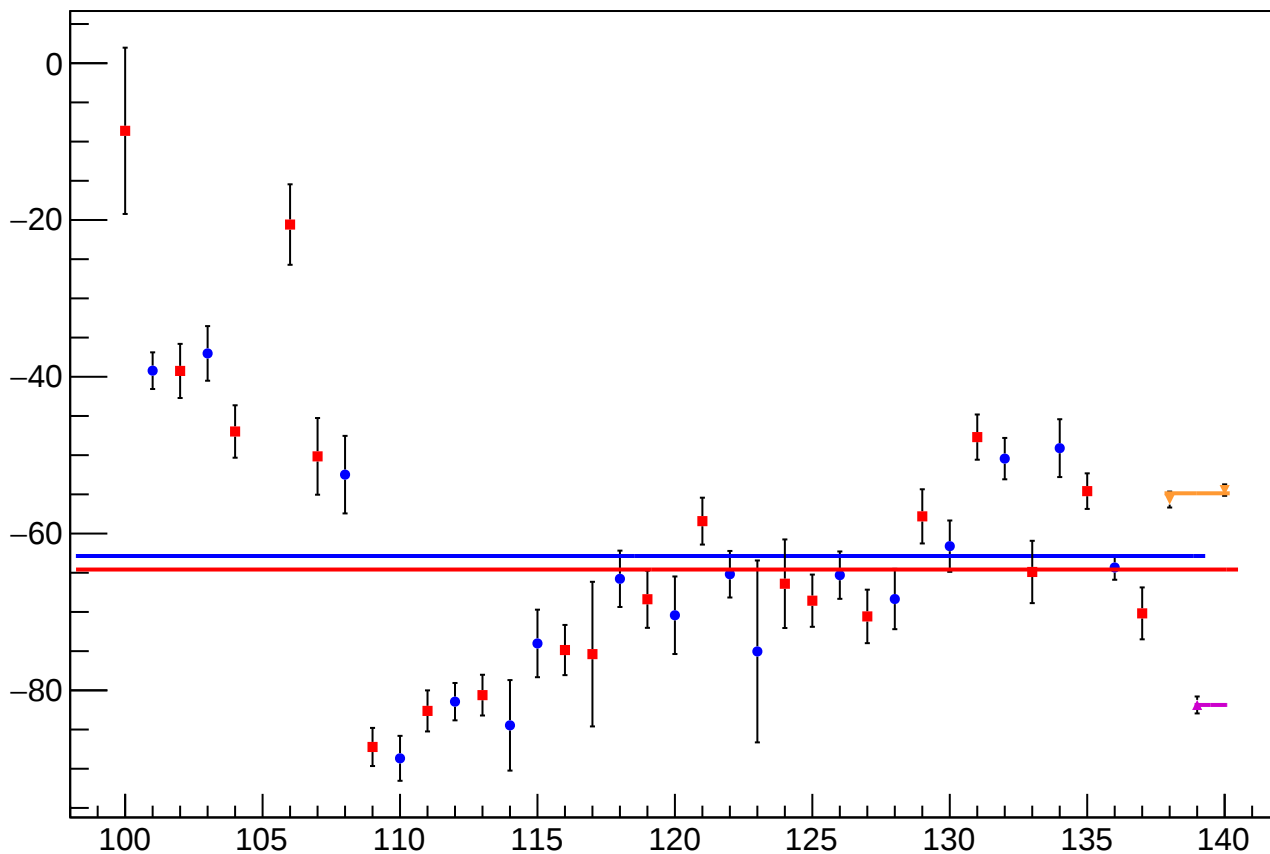
Left Out: 9.164 $\pm$ 0.473 χ^2 /NDF: 11.4/1

Right Out: -4.645 $\pm$ 0.425 χ^2 /NDF: 301.1/19

-3.613 $\pm$ 0.414 χ^2 /NDF: 412.4/20

Left In: 14.869 $\pm$ 1.800 χ^2 /NDF: 0.0/0

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 $\pm$ 0.741 χ^2 /NDF: 368.7/16

Left Out: -54.864 $\pm$ 0.593 χ^2 /NDF: 0.9/1

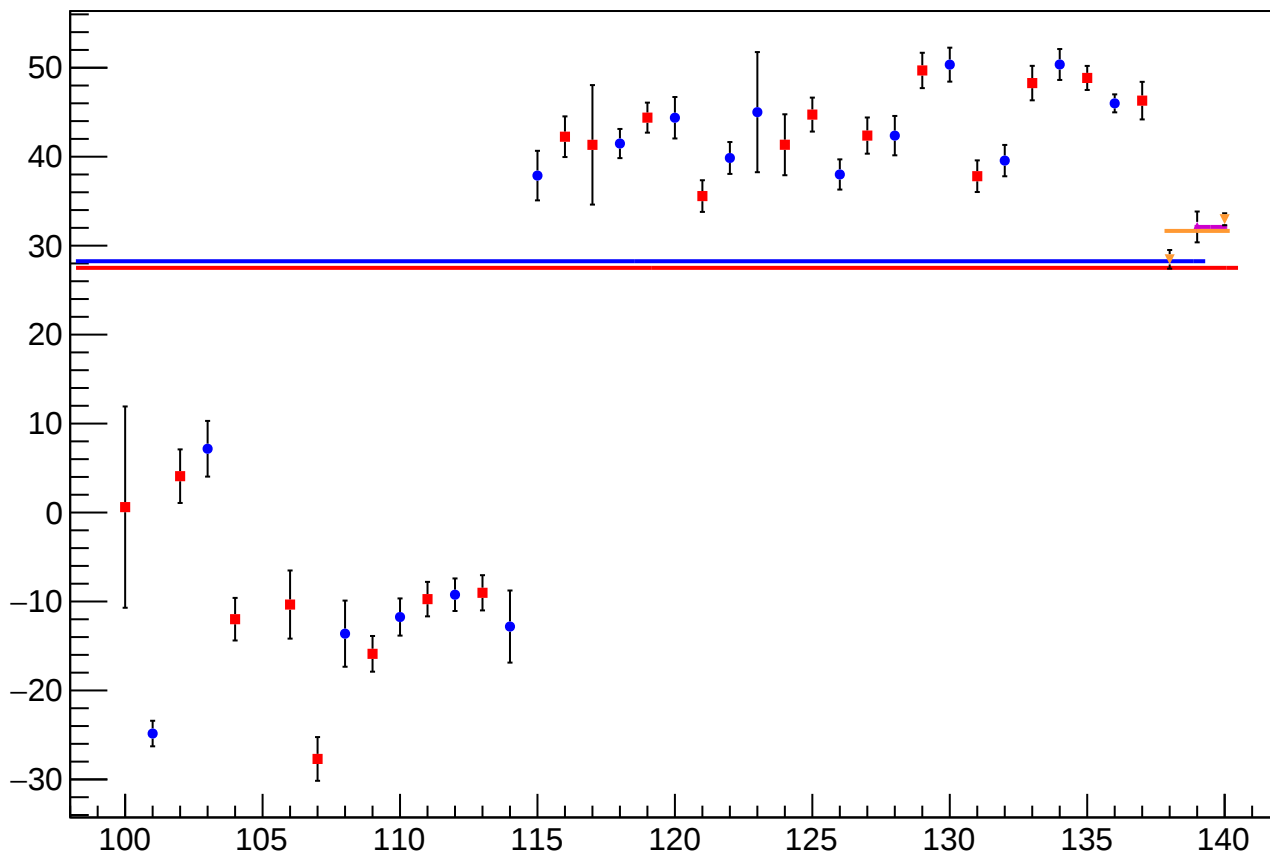
Right Out: -64.588 $\pm$ 0.749 χ^2 /NDF: 445.6/19

Left In: -81.864 $\pm$ 1.080 χ^2 /NDF: 0.0/0

-57.987 $\pm$ 0.463 χ^2 /NDF: 440.7/18

-70.200 $\pm$ 0.616 χ^2 /NDF: 618.3/20

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 31.657 $\pm$ 0.565 χ^2 /NDF:13.1/1

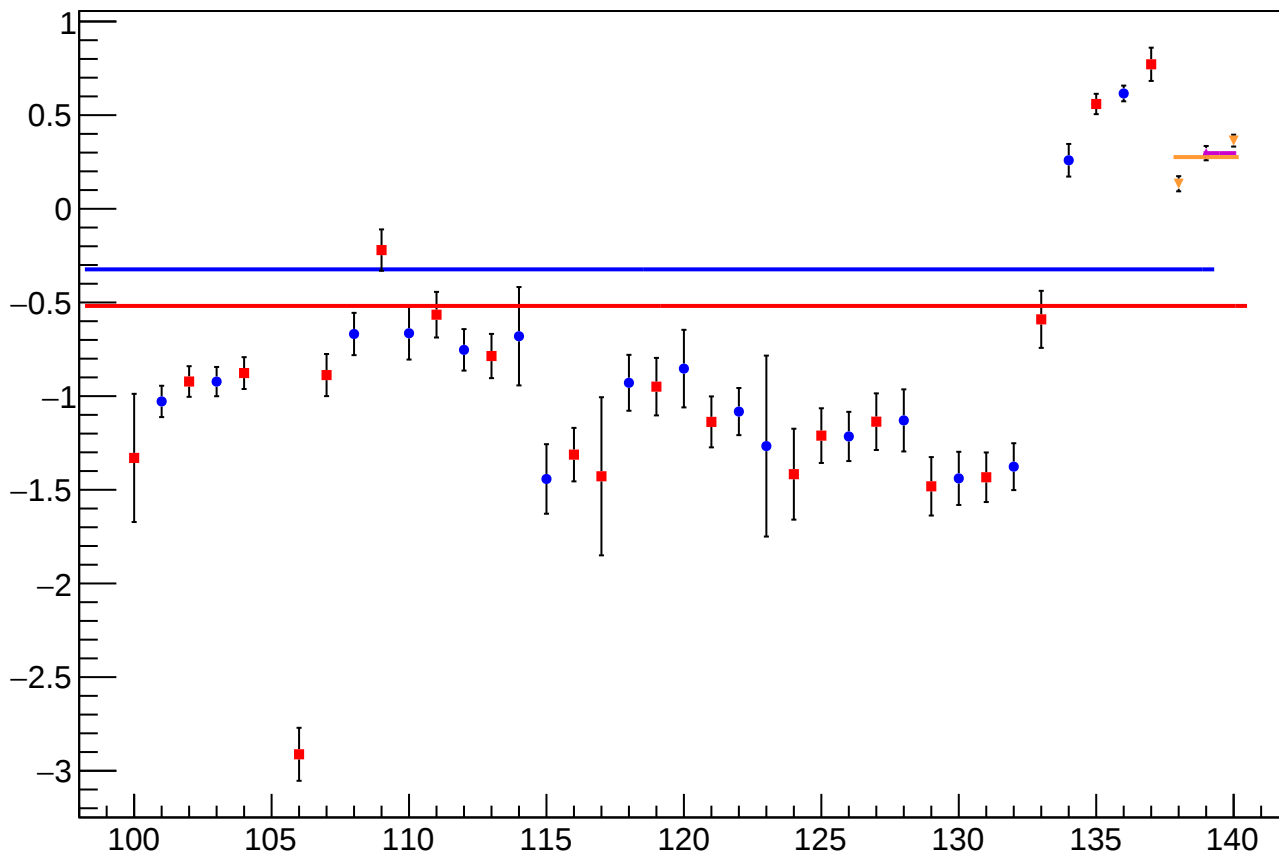
Right Out: 27.505 $\pm$ 0.478 χ^2 /NDF: 3036.7/19

Left In: 32.105 $\pm$ 1.733 χ^2 /NDF:0.0/0

29.607 $\pm$ 0.357 χ^2 /NDF: 3354.5/18

27.830 $\pm$ 0.460 χ^2 /NDF: 3043.2/20

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.276 ± 0.025 χ^2/NDF : 20.1/1

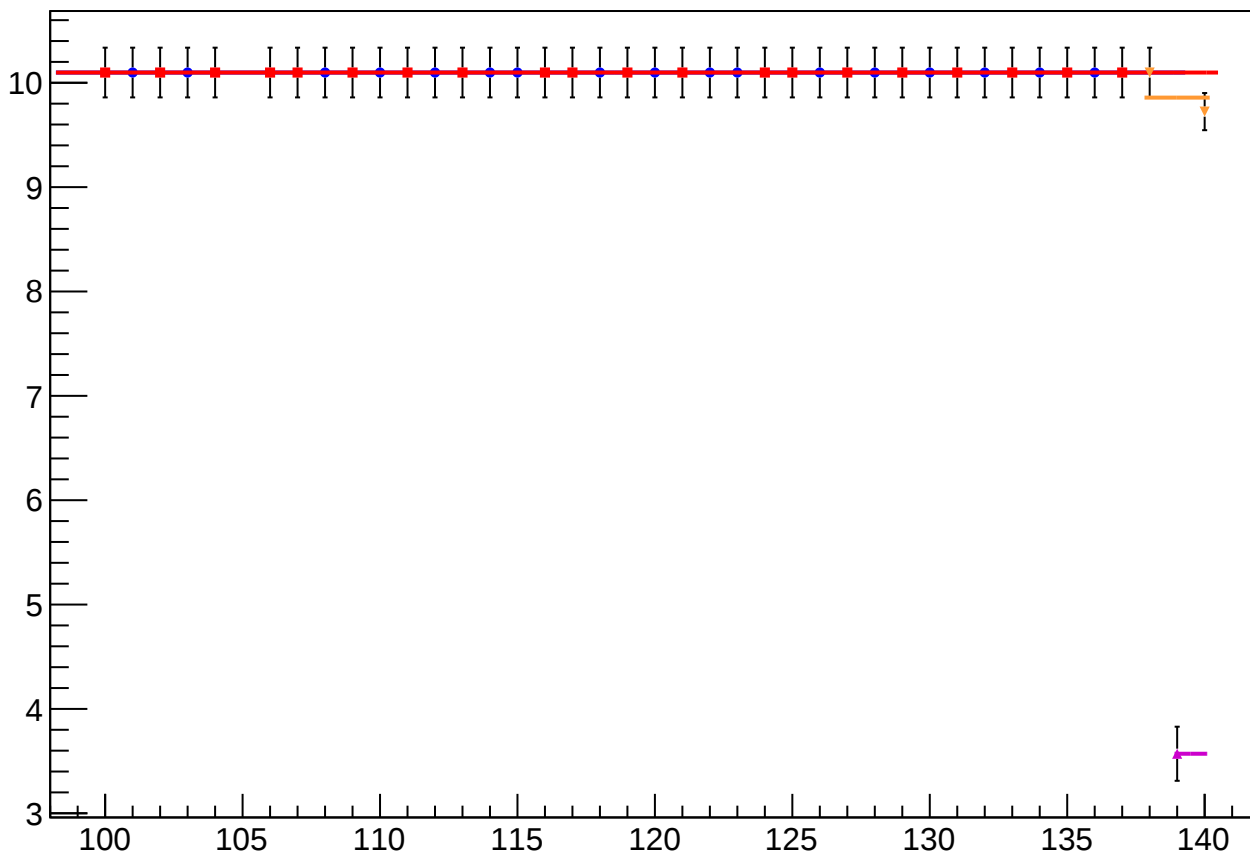
Right Out: -0.518 ± 0.026 χ^2/NDF : 1165.5/19

Left In: 0.297 ± 0.038 χ^2/NDF : 0.0/0

-0.024 ± 0.018 χ^2/NDF : 1319.0/18

-0.264 ± 0.021 χ^2/NDF : 1478.9/20

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 10.098 $\pm$ 0.058 χ^2 /NDF: 0.0/16

Left Out: 9.858 $\pm$ 0.143 χ^2 /NDF: 1.6/1

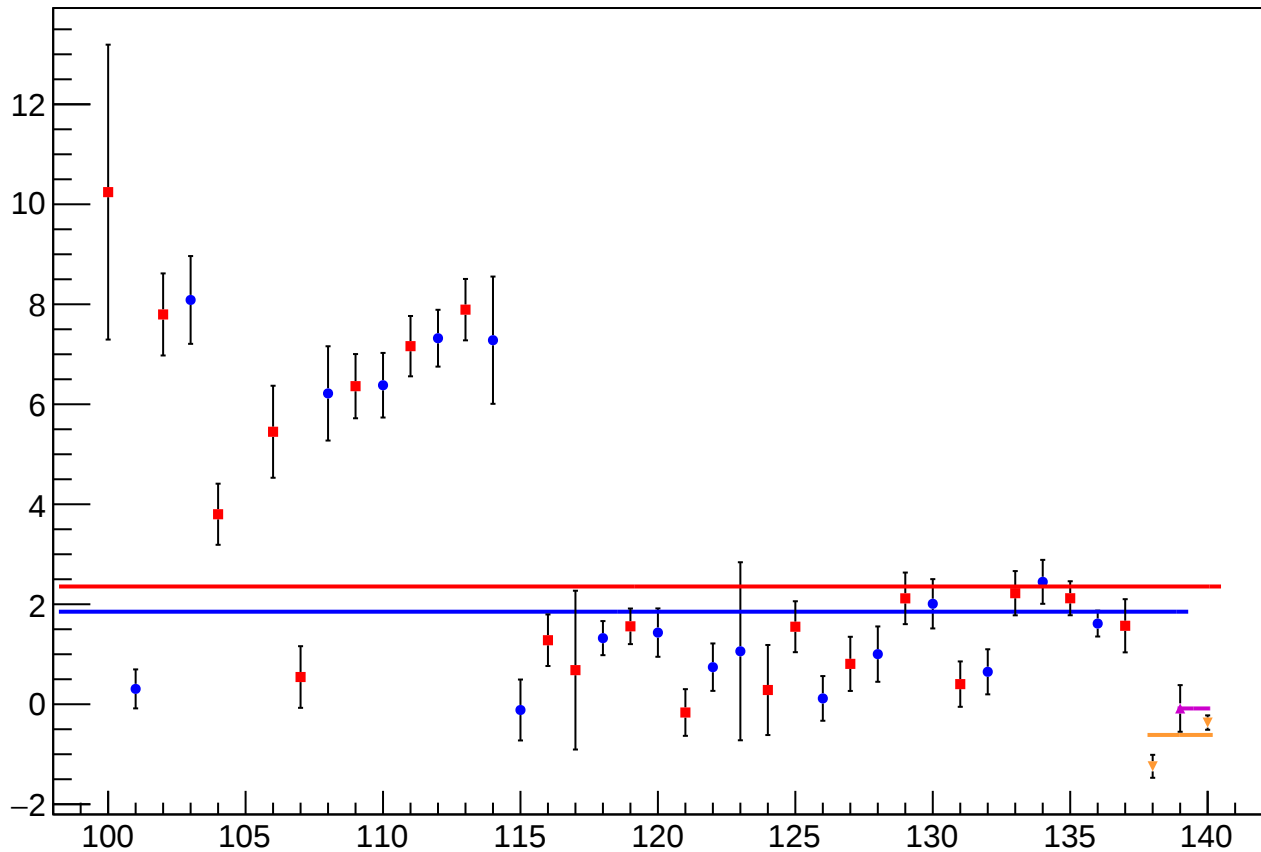
Right Out: 10.098 $\pm$ 0.053 χ^2 /NDF: 0.0/19

Left In: 3.570 $\pm$ 0.259 χ^2 /NDF: 0.0/0

10.064 $\pm$ 0.054 χ^2 /NDF: 4.0/18

9.833 $\pm$ 0.052 χ^2 /NDF: 608.5/20

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: -0.614 ± 0.122 χ^2/NDF : 10.4/1

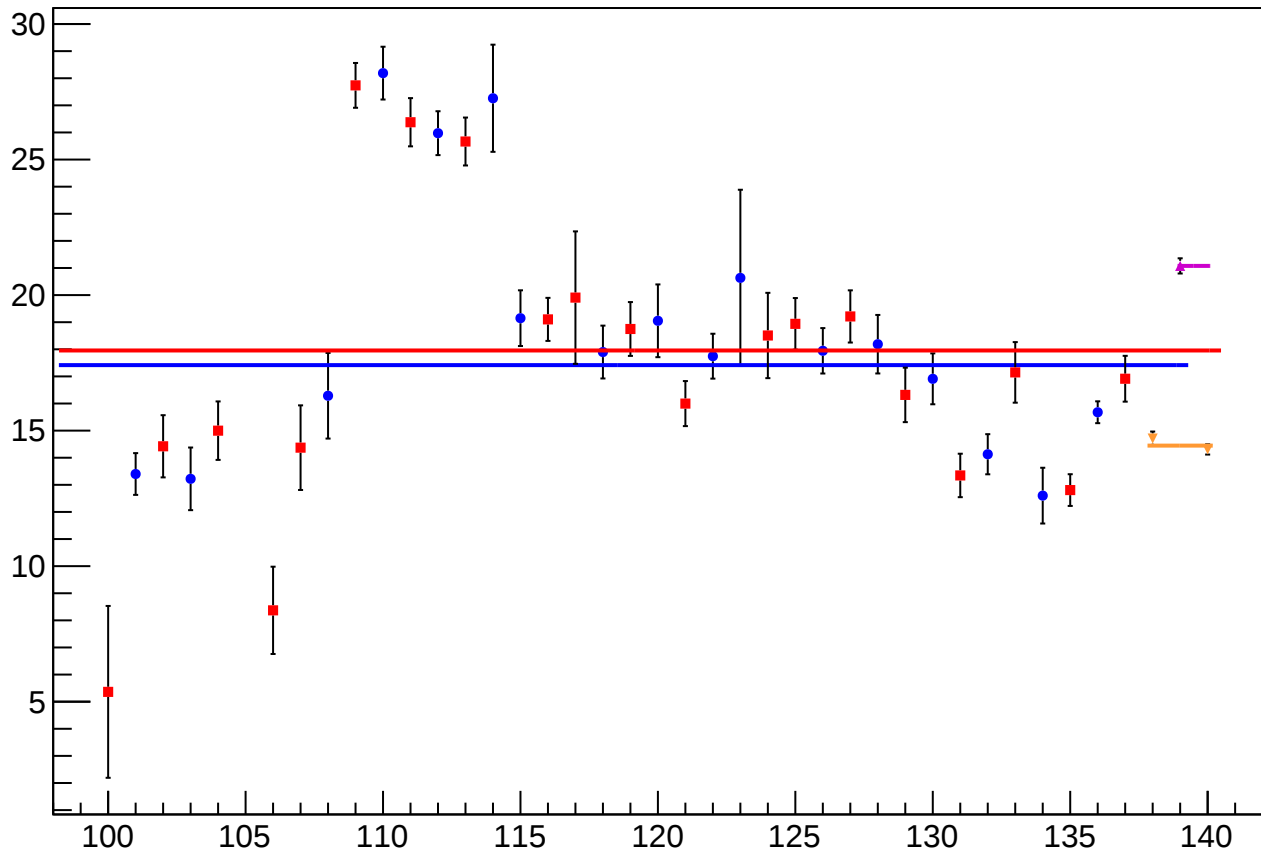
Right Out: 2.355 ± 0.122 χ^2/NDF : 337.4/19

Left In: -0.084 ± 0.467 χ^2/NDF : 0.0/0

0.670 ± 0.085 χ^2/NDF : 516.7/18

2.199 ± 0.118 χ^2/NDF : 362.9/20

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417+/-0.213 χ^2 /NDF: 367.0/16

Left Out: 14.447+/-0.153 χ^2 /NDF: 1.6/1

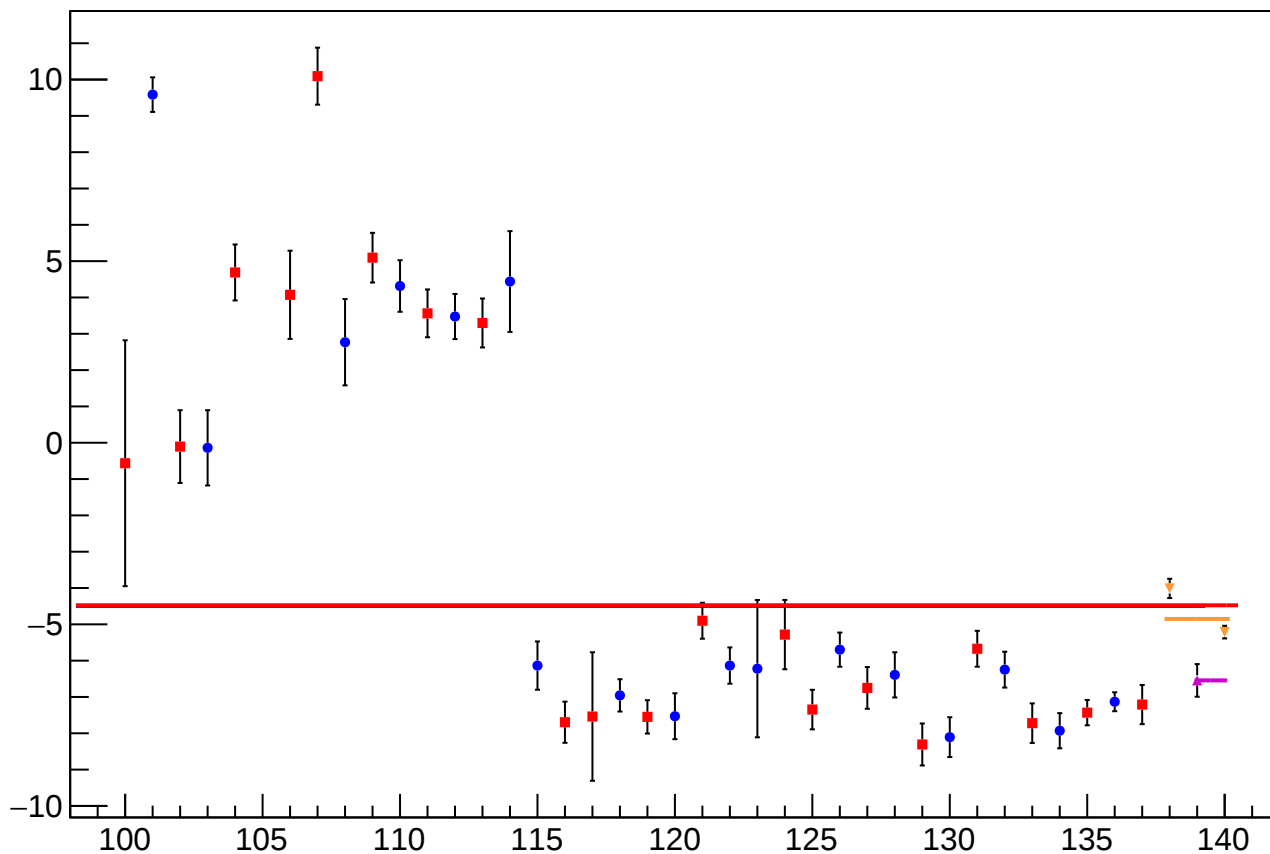
Right Out: 17.957+/-0.218 χ^2 /NDF: 506.2/19

Left In: 21.077+/-0.281 χ^2 /NDF: 0.0/0

15.458+/-0.124 χ^2 /NDF: 497.2/18

19.133+/-0.172 χ^2 /NDF: 583.2/20

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -4.852 ± 0.146 χ^2/NDF : 14.3/1

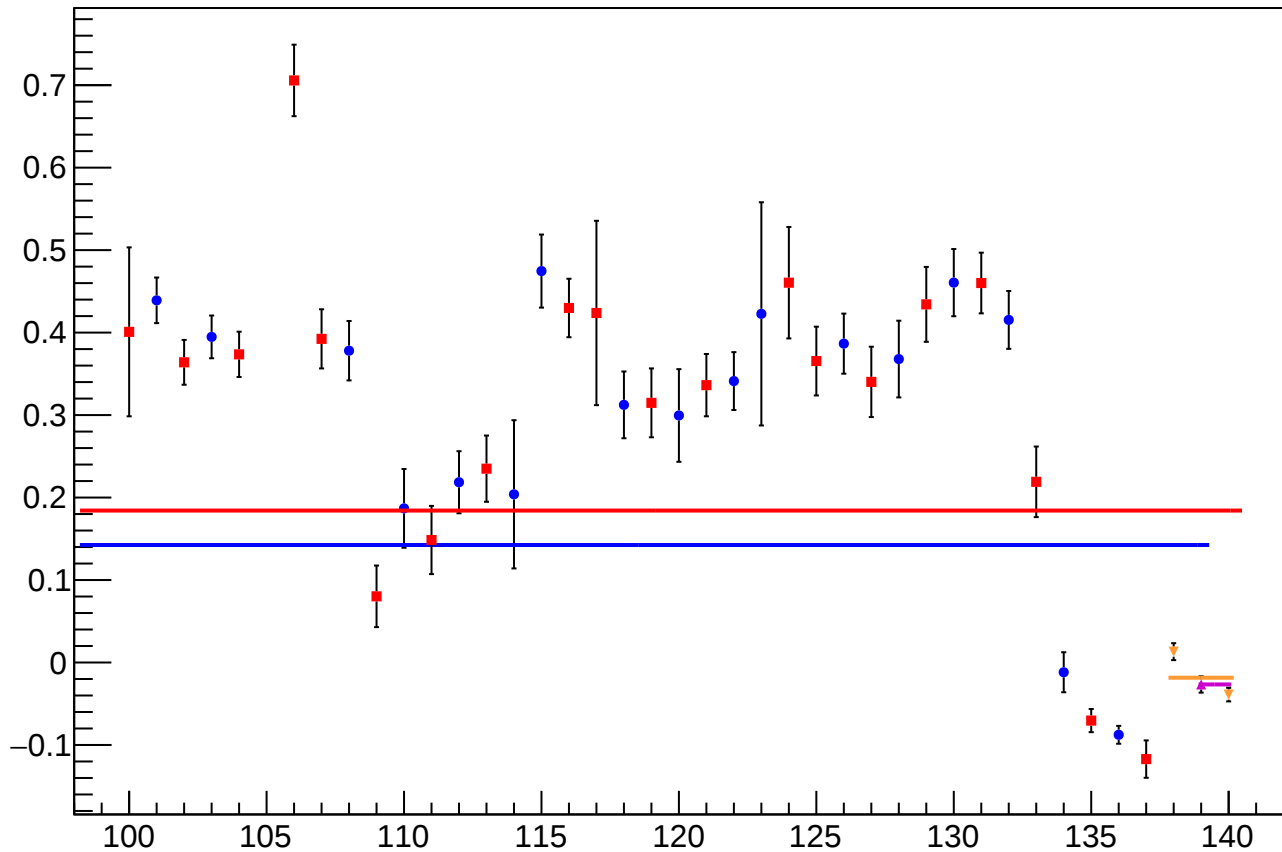
Right Out: -4.476 ± 0.137 χ^2/NDF : 1342.0/19

Left In: -6.544 ± 0.449 χ^2/NDF : 0.0/0

-4.652 ± 0.097 χ^2/NDF : 1603.1/18

-4.651 ± 0.131 χ^2/NDF : 1361.3/20

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.018 ± 0.006 χ^2/NDF : 15.6/1

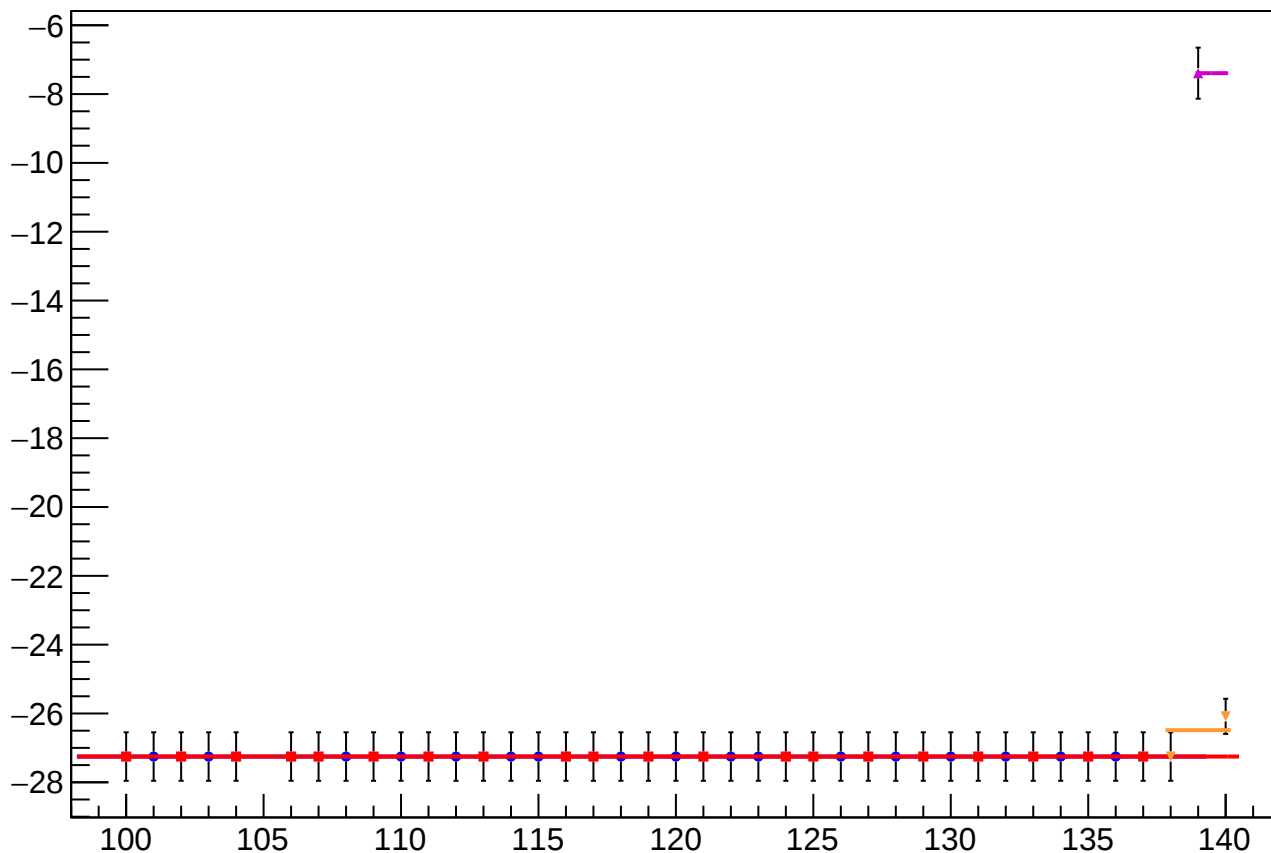
Right Out: 0.184 ± 0.007 χ^2/NDF : 1005.5/19

Left In: -0.027 ± 0.010 χ^2/NDF : 0.0/0

0.055 ± 0.005 χ^2/NDF : 1357.6/18

0.109 ± 0.006 χ^2/NDF : 1296.3/20

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -27.252 $\pm$ 0.171 χ^2 /NDF: 0.0/16

Left Out: -26.486 $\pm$ 0.413 χ^2 /NDF: 1.8/1

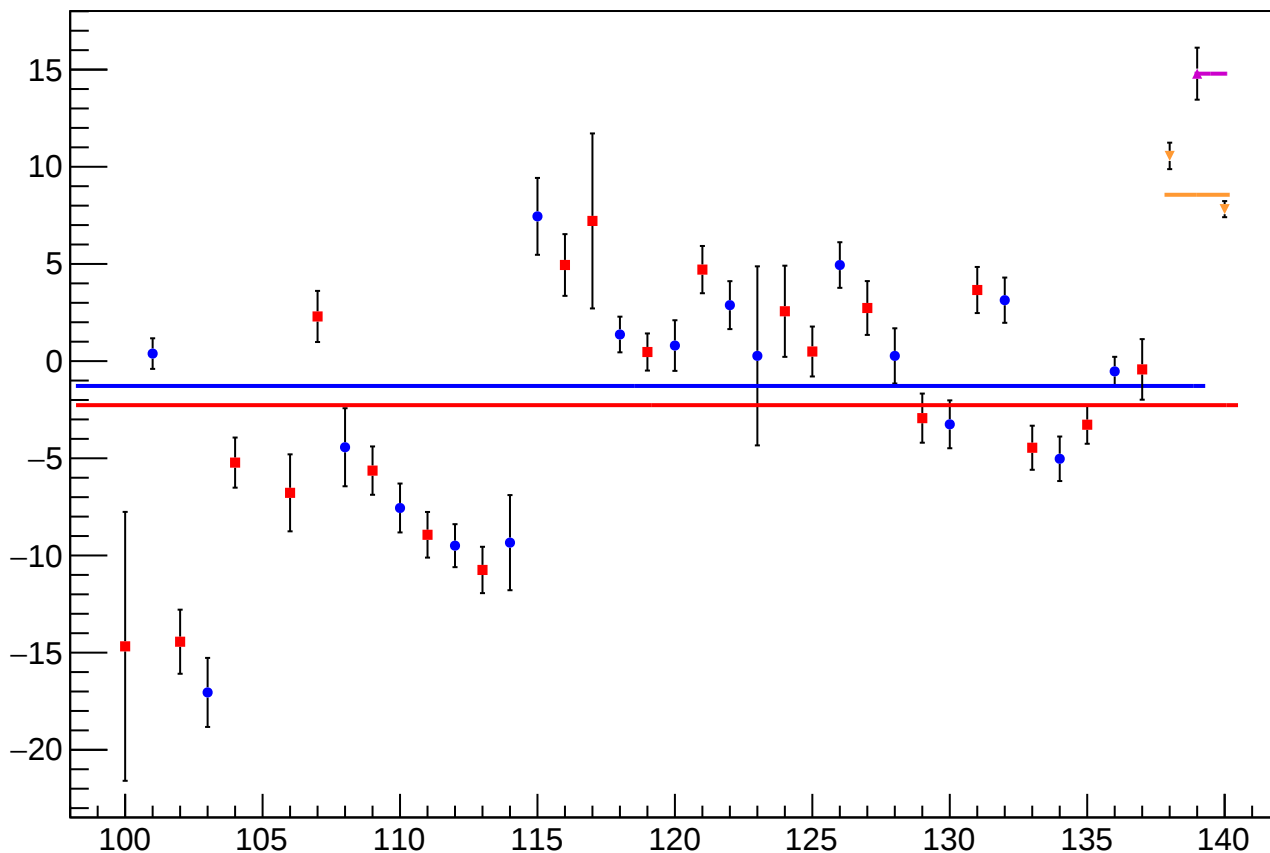
Right Out: -27.252 $\pm$ 0.158 χ^2 /NDF: 0.0/19

Left In: -7.393 $\pm$ 0.742 χ^2 /NDF: 0.0/0

-27.140 $\pm$ 0.158 χ^2 /NDF: 4.7/18

-26.394 $\pm$ 0.154 χ^2 /NDF: 686.3/20

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 8.559 ± 0.354 χ^2/NDF : 11.8/1

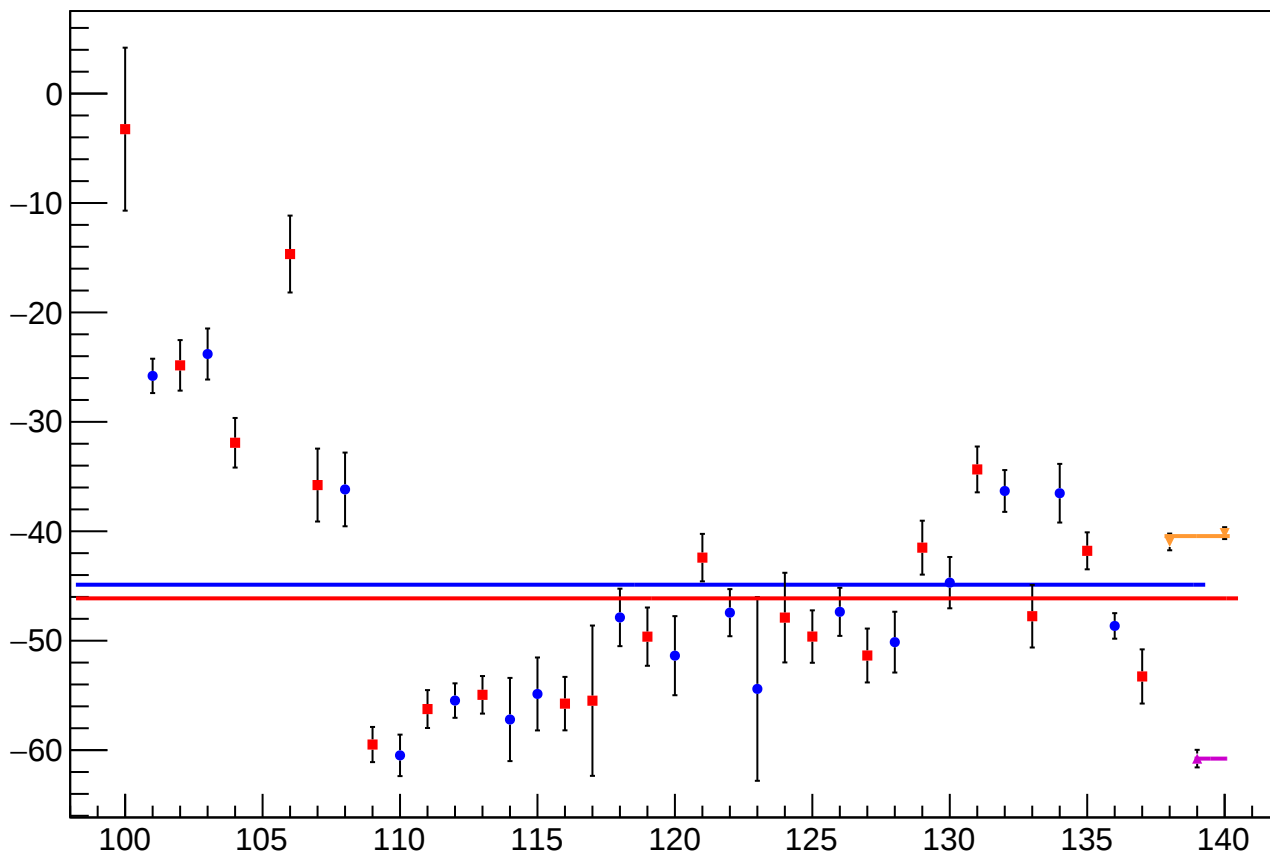
Right Out: -2.266 ± 0.302 χ^2/NDF : 289.8/19

Left In: 14.790 ± 1.338 χ^2/NDF : 0.0/0

2.714 ± 0.225 χ^2/NDF : 747.6/18

-1.441 ± 0.294 χ^2/NDF : 444.4/20

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 $\pm$ 0.524 χ^2/NDF : 421.0/16

Left Out: -40.439 $\pm$ 0.443 χ^2/NDF : 0.7/1

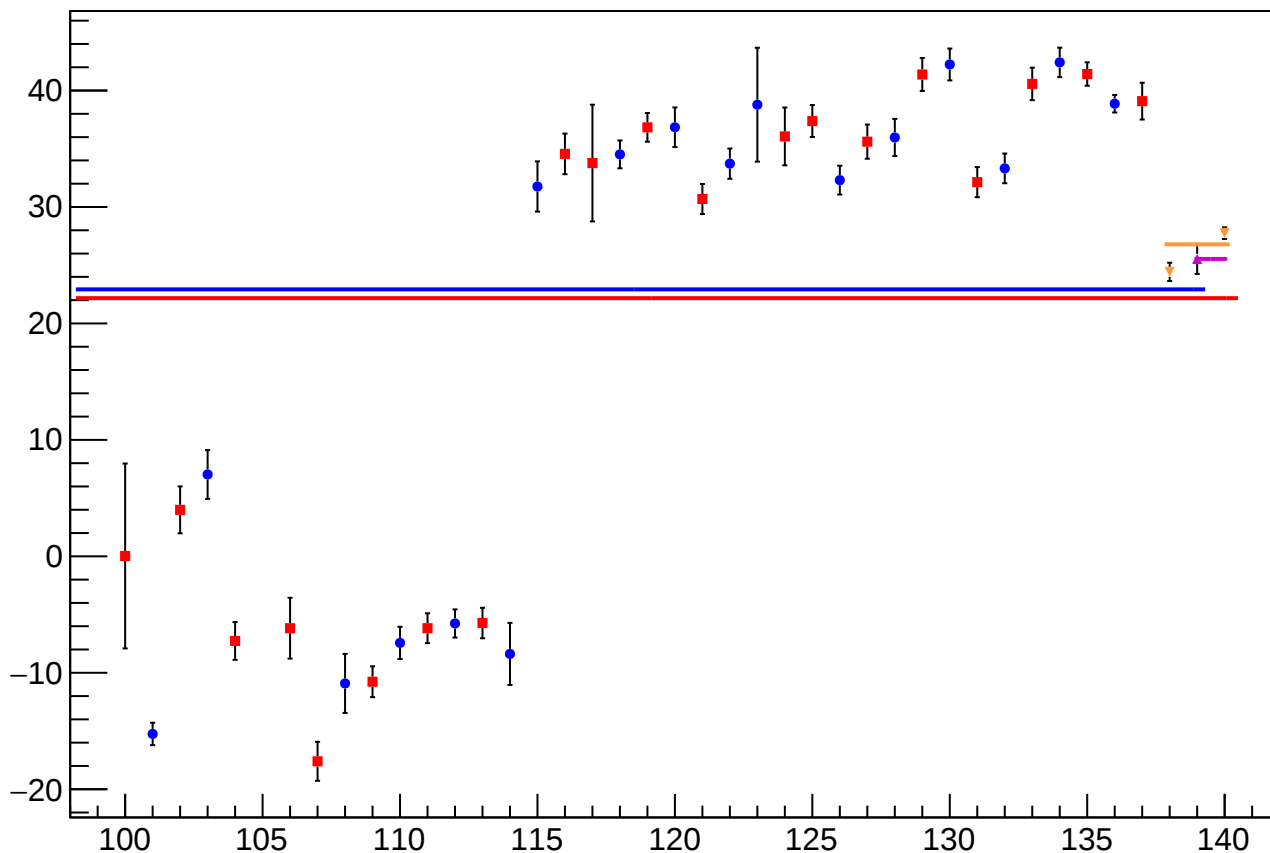
Right Out: -46.130 $\pm$ 0.527 χ^2/NDF : 456.1/19

Left In: -60.775 $\pm$ 0.803 χ^2/NDF : 0.0/0

-42.290 $\pm$ 0.338 χ^2/NDF : 463.6/18

-50.544 $\pm$ 0.441 χ^2/NDF : 688.8/20

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 26.795 $\pm$ 0.423 χ^2 /NDF:12.7/1

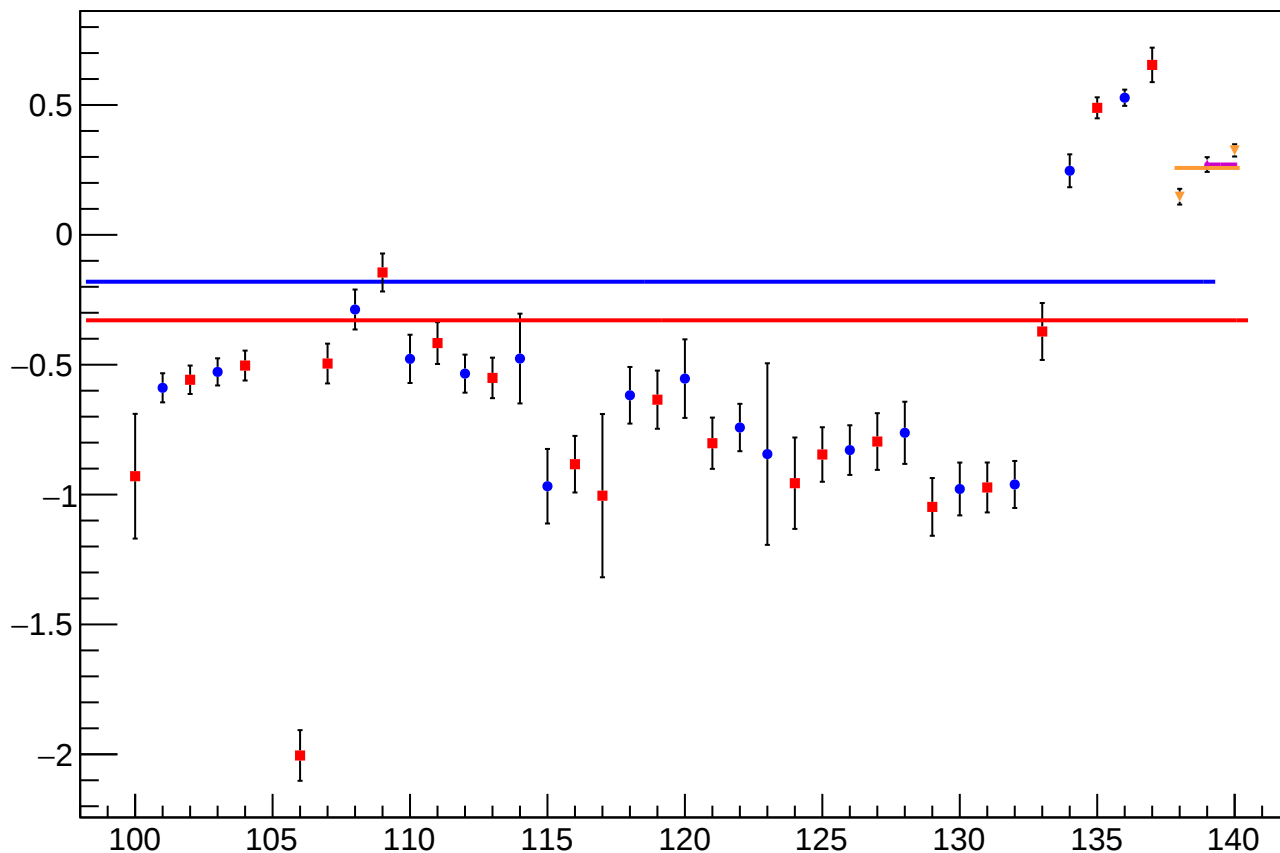
Right Out: 22.170 $\pm$ 0.339 χ^2 /NDF: 4038.8/19

Left In: 25.541 $\pm$ 1.288 χ^2 /NDF:0.0/0

24.381 $\pm$ 0.259 χ^2 /NDF: 4395.2/18

22.389 $\pm$ 0.328 χ^2 /NDF: 4045.2/20

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.258 ± 0.019 χ^2/NDF : 21.5/1

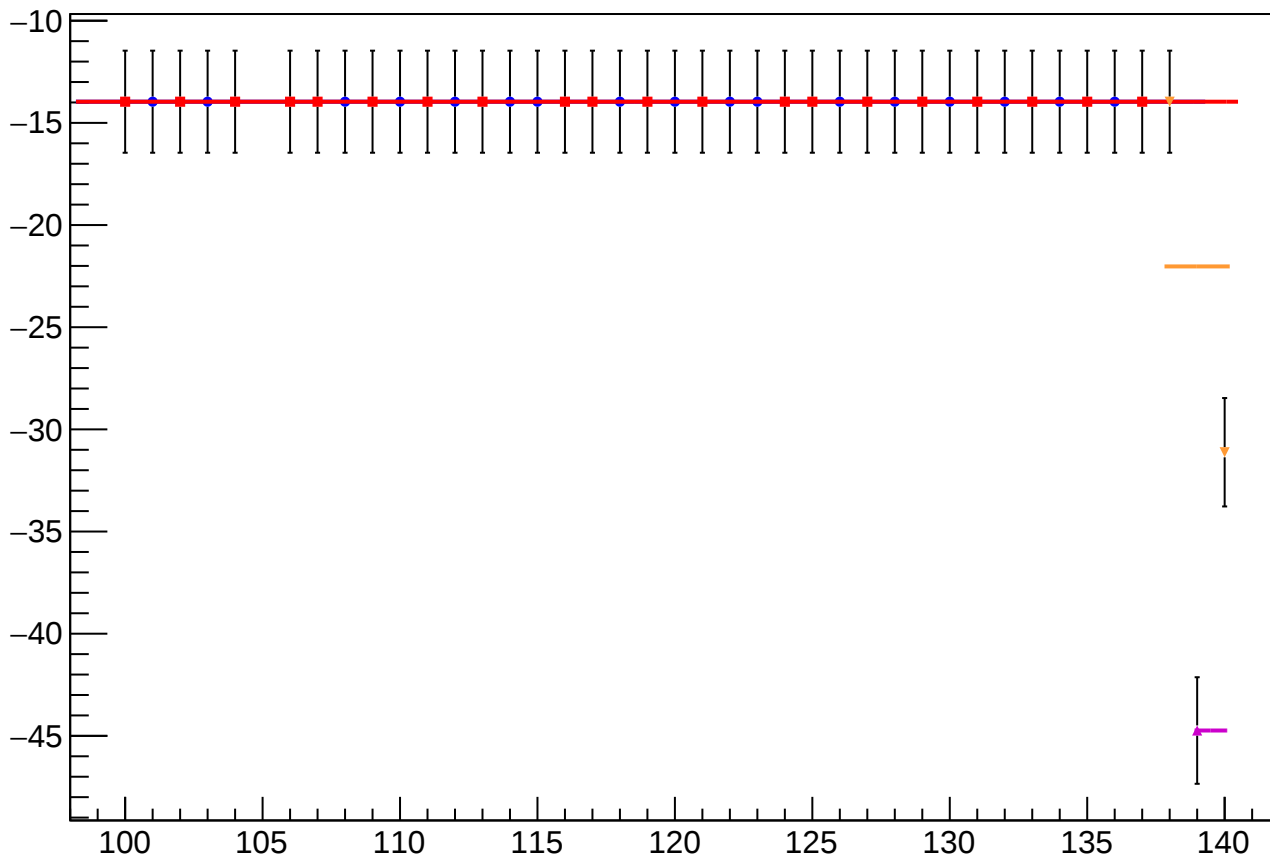
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.271 ± 0.028 χ^2/NDF : 0.0/0

0.028 ± 0.013 χ^2/NDF : 1306.4/18

-0.155 ± 0.015 χ^2/NDF : 1496.4/20

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -13.963 $\pm$ 0.606 χ^2 /NDF: 0.0/16

Left Out: -22.025 $\pm$ 1.819 χ^2 /NDF:22.2/1

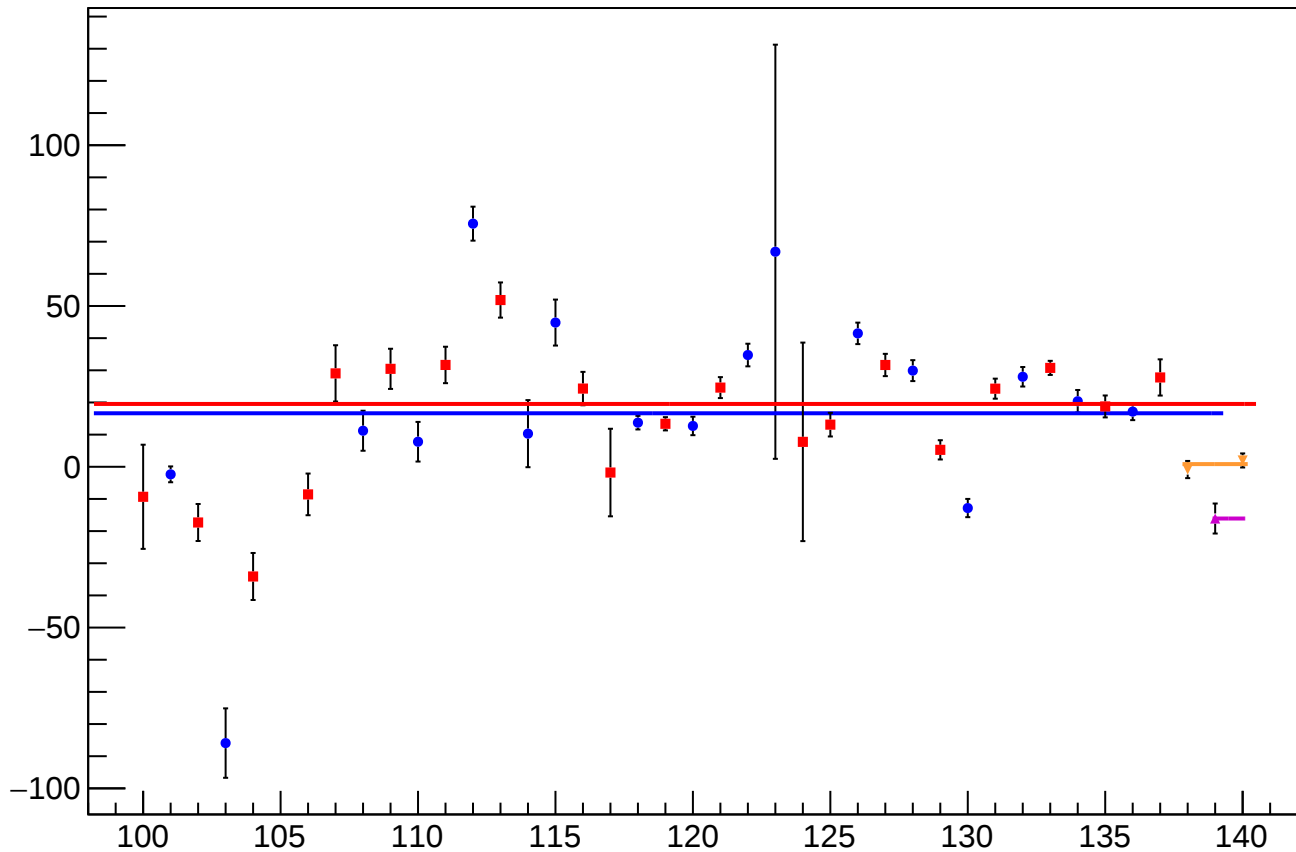
Right Out: -13.963 $\pm$ 0.559 χ^2 /NDF: 0.0/19

Left In: -44.738 $\pm$ 2.608 χ^2 /NDF:0.0/0

-14.769 $\pm$ 0.575 χ^2 /NDF: 39.9/18

-15.313 $\pm$ 0.546 χ^2 /NDF: 133.1/20

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 $\pm$ 0.859 χ^2 /NDF: 518.9/16

Left Out: 0.836 $\pm$ 1.692 χ^2 /NDF: 0.7/1

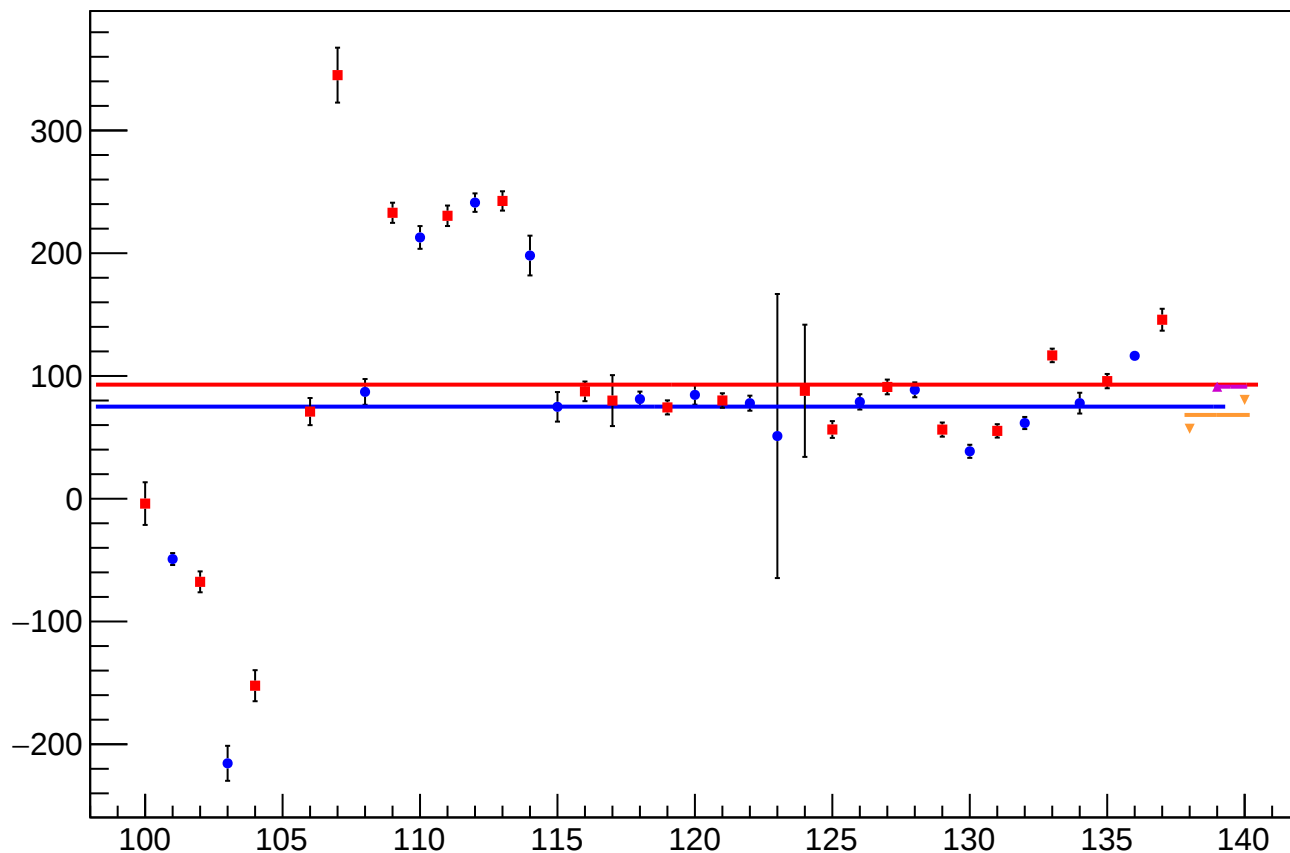
Right Out: 19.540 $\pm$ 0.894 χ^2 /NDF: 244.1/19

Left In: -16.088 $\pm$ 4.665 χ^2 /NDF: 0.0/0

13.404 $\pm$ 0.766 χ^2 /NDF: 588.9/18

18.277 $\pm$ 0.878 χ^2 /NDF: 300.4/20

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 68.260 $\pm$ 1.956 χ^2 /NDF:36.0/1

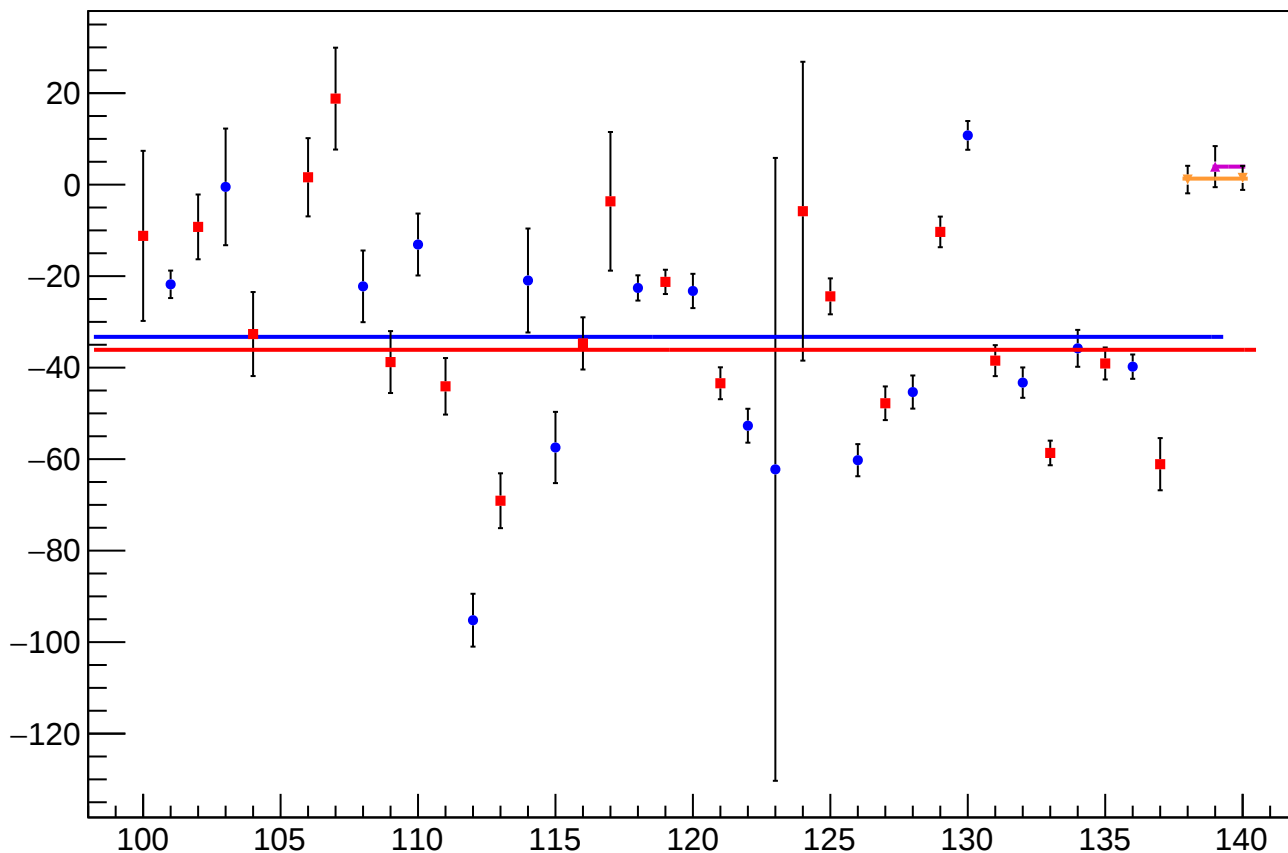
Right Out: 92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

Left In: 91.261 $\pm$ 2.826 χ^2 /NDF:0.0/0

72.223 $\pm$ 1.260 χ^2 /NDF: 2042.7/18

92.492 $\pm$ 1.460 χ^2 /NDF: 2004.3/20

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: 1.318 ± 1.978 χ^2/NDF : 0.0/1

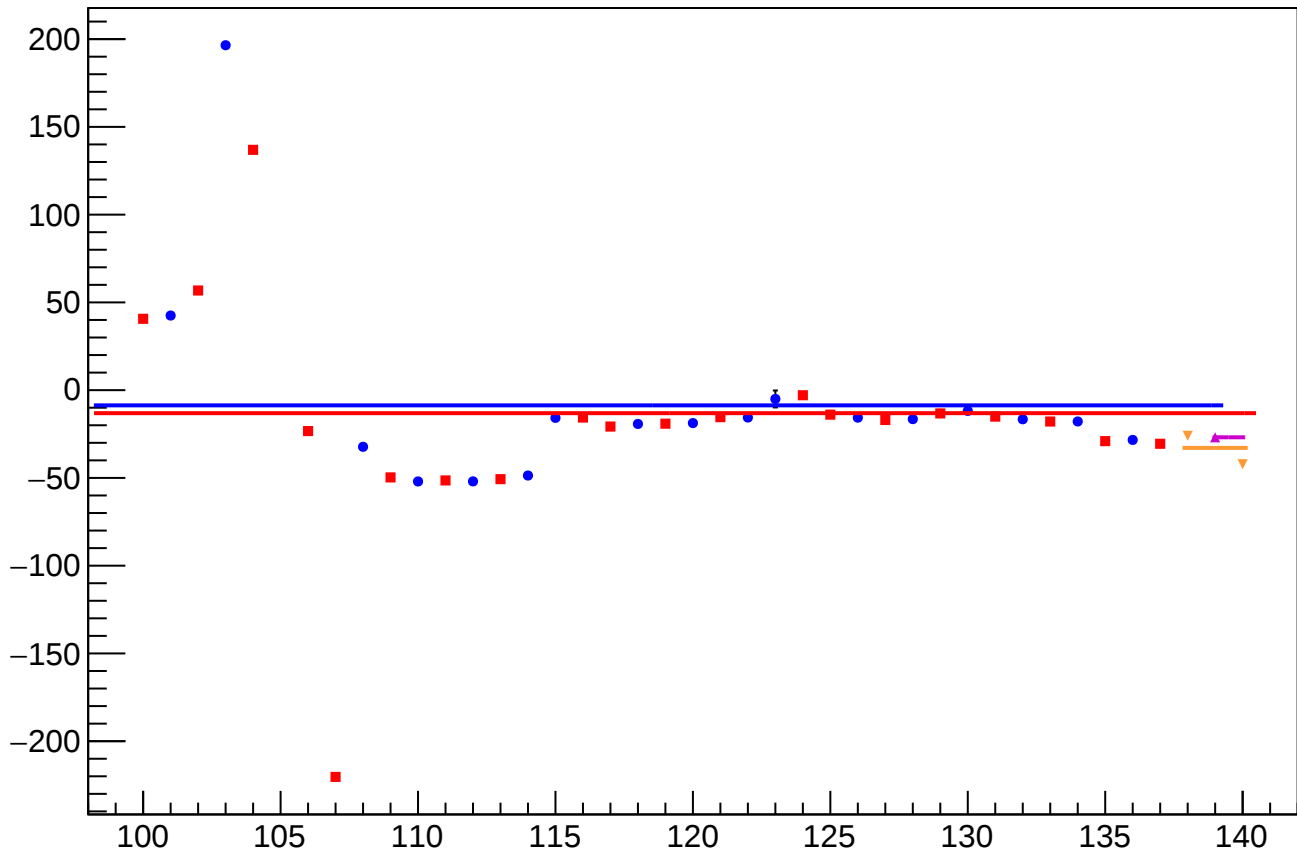
Right Out: -36.103 ± 1.022 χ^2/NDF : 302.3/19

Left In: 3.938 ± 4.489 χ^2/NDF : 0.0/0

-26.433 ± 0.880 χ^2/NDF : 734.7/18

-34.131 ± 0.996 χ^2/NDF : 377.9/20

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657+/-0.059 χ^2/NDF : 575742.7/16

Left Out: -32.877+/-0.080 χ^2/NDF : 10047.9/1

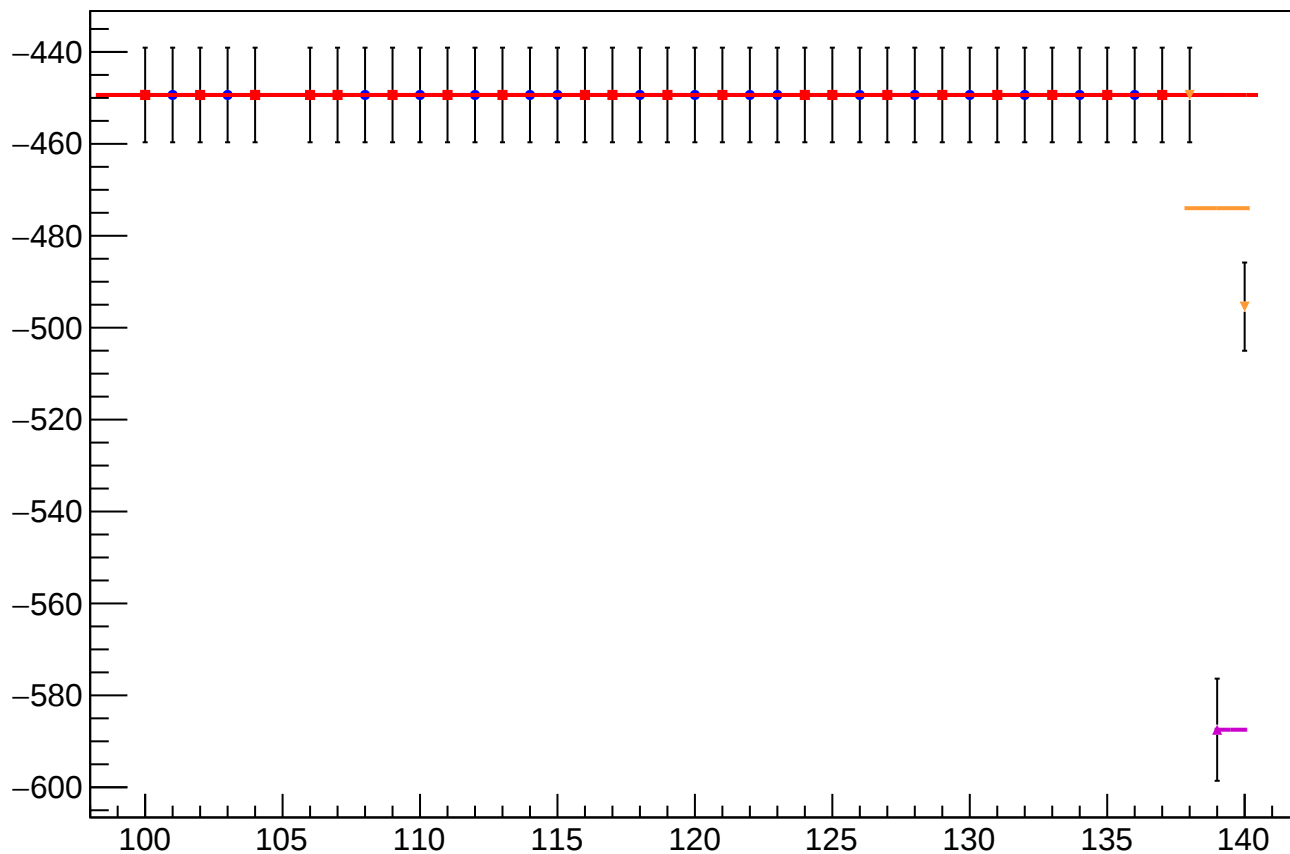
Right Out: -13.109+/-0.062 χ^2/NDF : 558383.6/19

Left In: -26.857+/-0.099 χ^2/NDF : 0.0/0

-17.206+/-0.048 χ^2/NDF : 645105.7/18

-16.947+/-0.052 χ^2/NDF : 572246.6/20

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -449.364 ± 2.496 χ^2/NDF : 0.0/16

Left Out: -473.999 ± 7.019 χ^2/NDF : 10.7/1

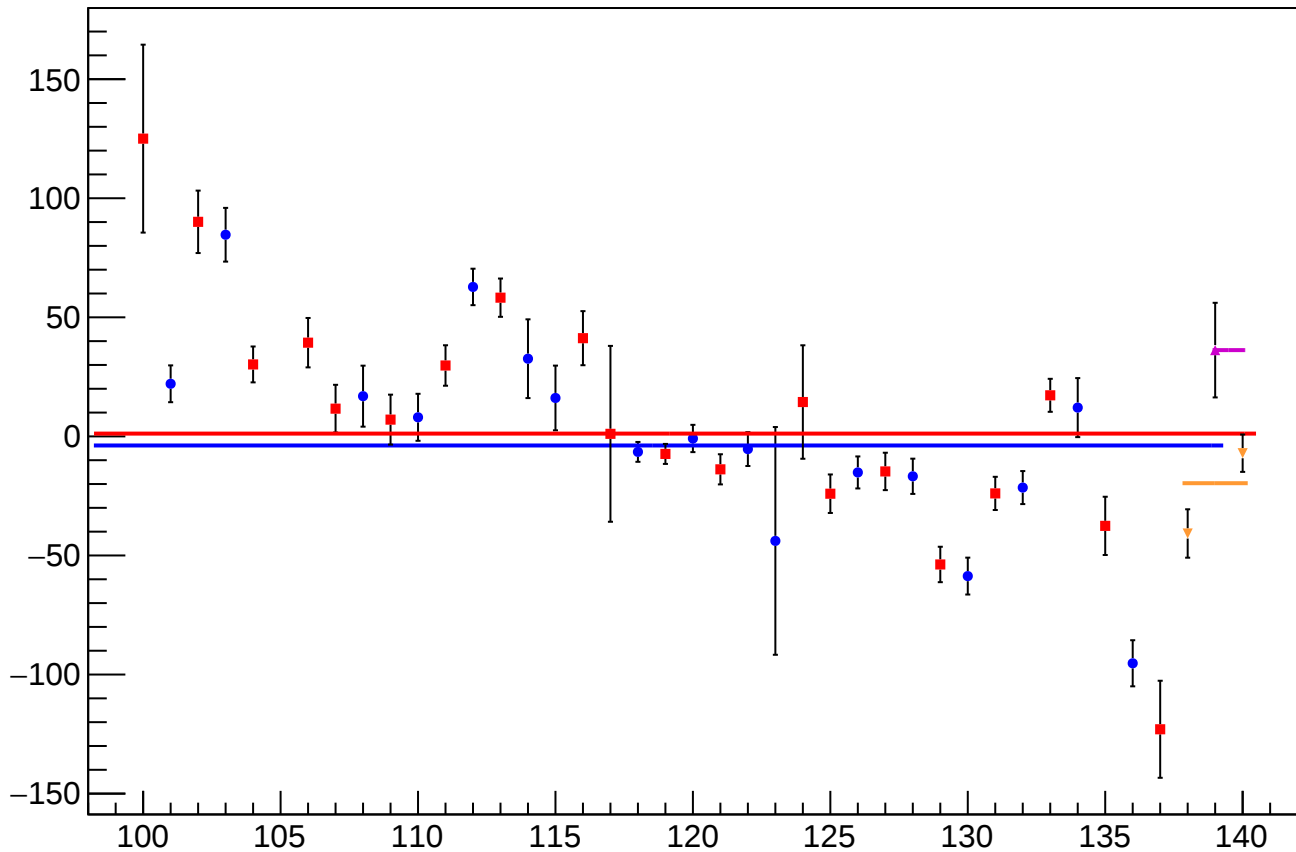
Right Out: -449.364 ± 2.301 χ^2/NDF : 0.0/19

Left In: -587.475 ± 11.115 χ^2/NDF : 0.0/0

-452.130 ± 2.352 χ^2/NDF : 21.6/18

-455.041 ± 2.254 χ^2/NDF : 148.0/20

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: -19.653 ± 6.213 χ^2/NDF : 6.9/1

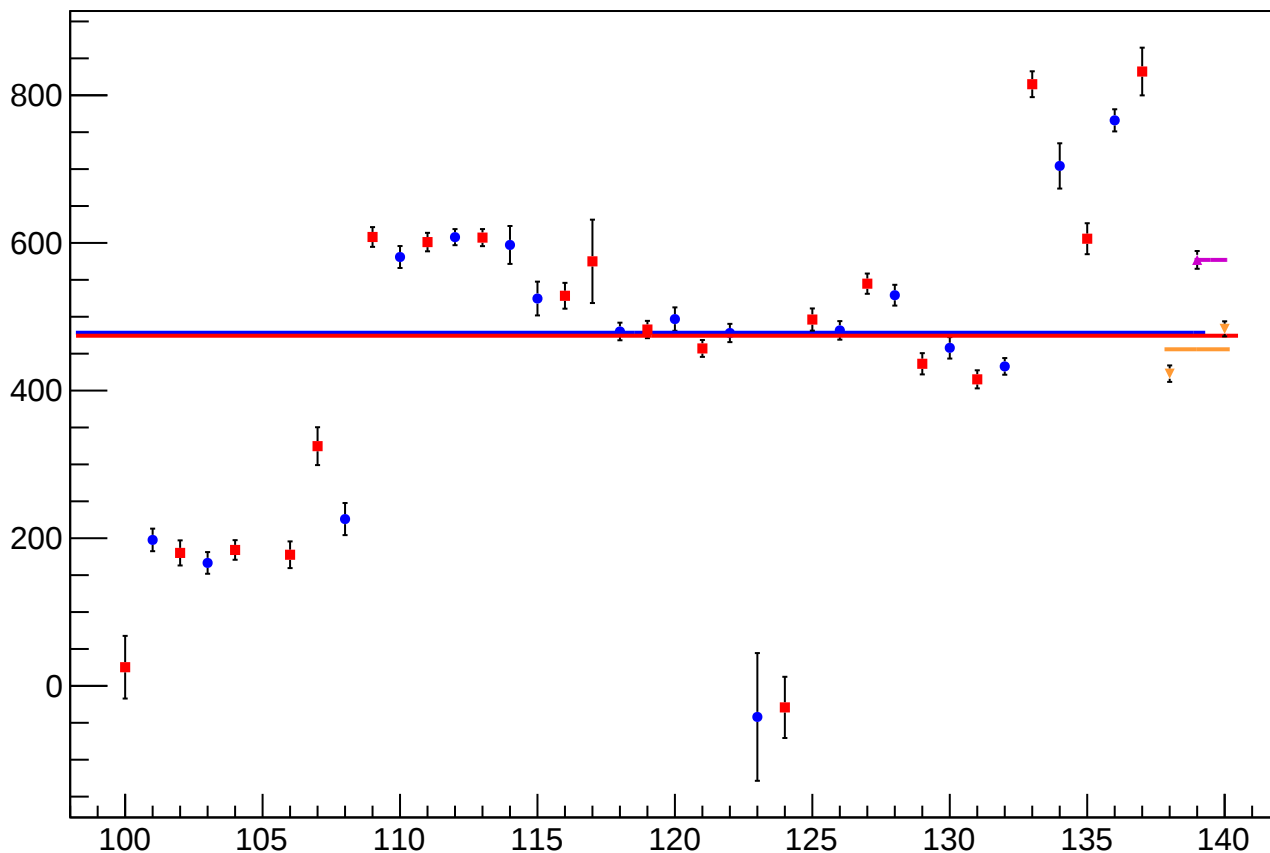
Right Out: 1.175 ± 1.911 χ^2/NDF : 303.9/19

Left In: 36.229 ± 19.865 χ^2/NDF : 0.0/0

-5.199 ± 1.837 χ^2/NDF : 327.1/18

1.496 ± 1.903 χ^2/NDF : 307.0/20

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2/NDF : 1628.8/16

Left Out: 455.926 $\pm$ 7.535 χ^2/NDF : 16.1/1

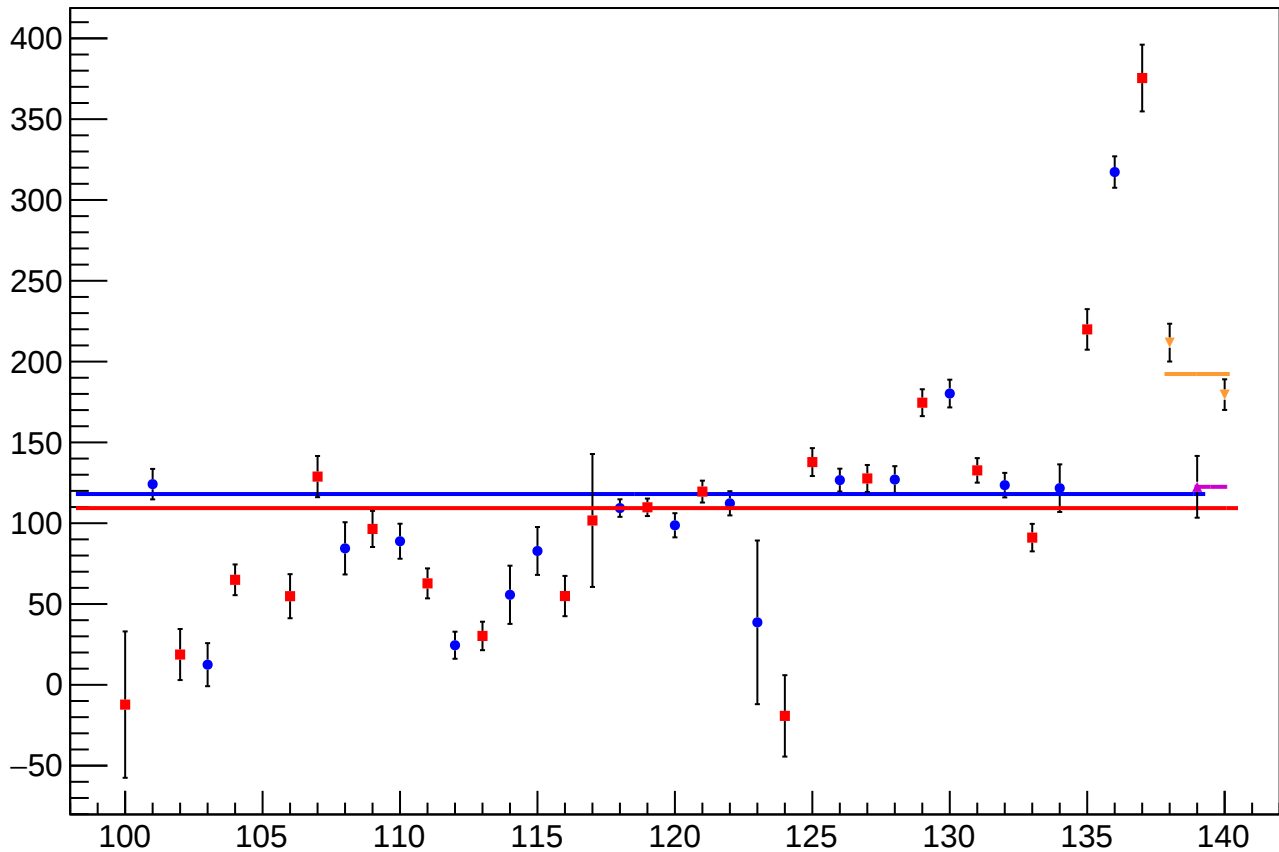
Right Out: 474.296 $\pm$ 3.524 χ^2/NDF : 2288.2/19

Left In: 577.011 $\pm$ 12.050 χ^2/NDF : 0.0/0

474.053 $\pm$ 3.294 χ^2/NDF : 1652.1/18

482.390 $\pm$ 3.382 χ^2/NDF : 2355.1/20

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 192.310 $\pm$ 7.364 χ^2 /NDF: 4.6/1

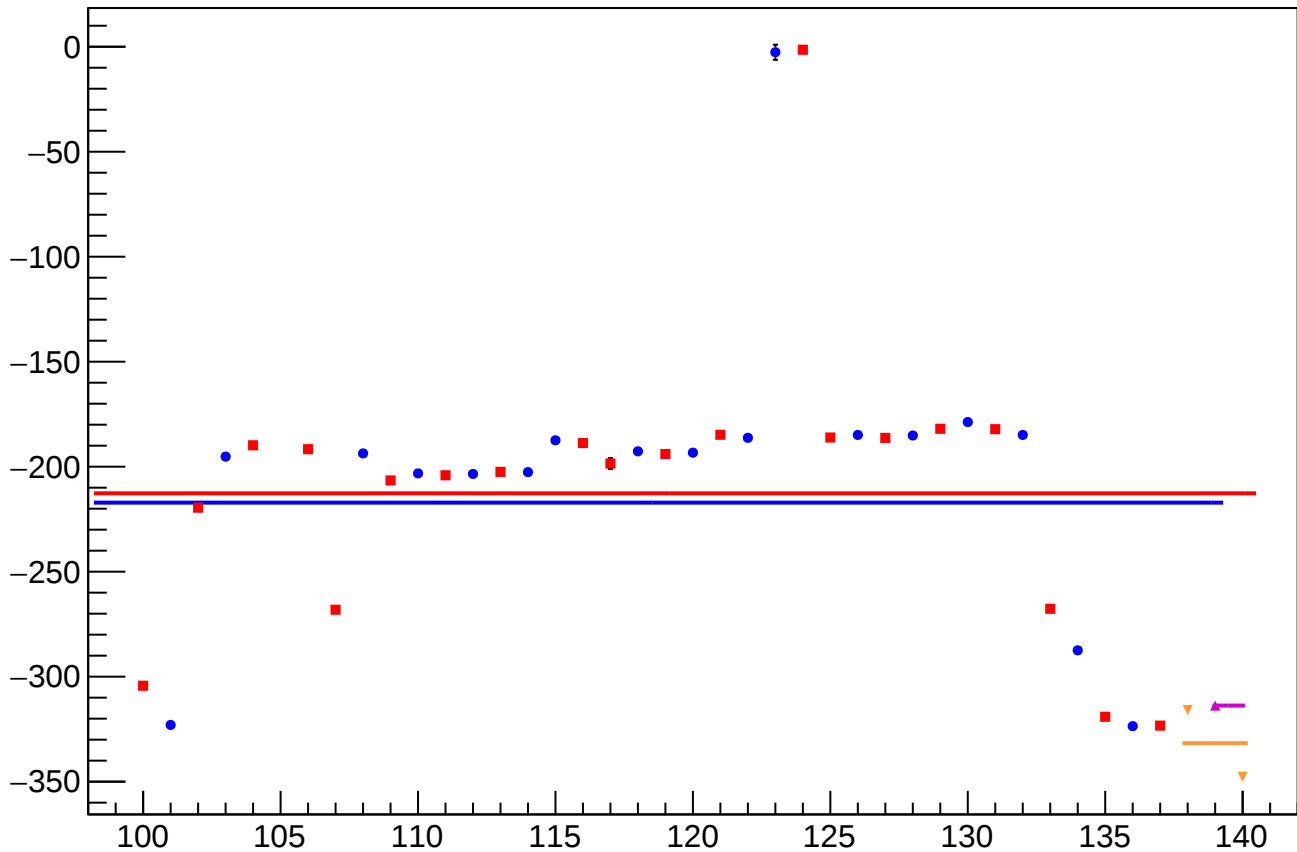
Right Out: 109.345 $\pm$ 2.202 χ^2 /NDF: 569.8/19

Left In: 122.520 $\pm$ 19.110 χ^2 /NDF: 0.0/0

124.269 $\pm$ 2.130 χ^2 /NDF: 803.1/18

109.517 $\pm$ 2.187 χ^2 /NDF: 570.3/20

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -331.678+/-0.315 χ^2/NDF : 2555.5/1

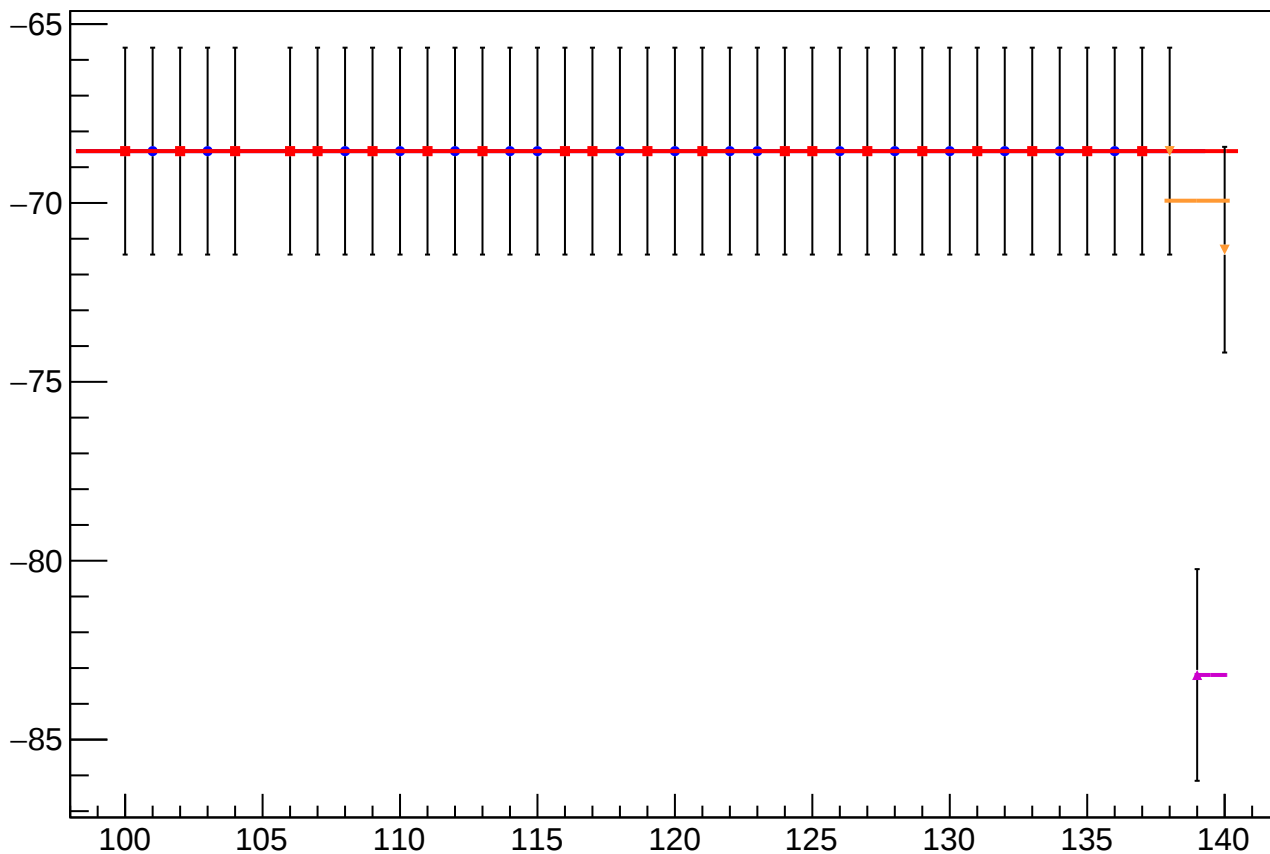
Right Out: -212.679+/-0.130 χ^2/NDF : 115596.4/19

Left In: -313.777+/-0.422 χ^2/NDF : 0.0/0

-235.269+/-0.125 χ^2/NDF : 260581.5/18

-221.440+/-0.124 χ^2/NDF : 167993.5/20

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -68.551 $\pm$ 0.701 χ^2 /NDF: 0.0/16

Left Out: -69.937 $\pm$ 2.039 χ^2 /NDF: 0.5/1

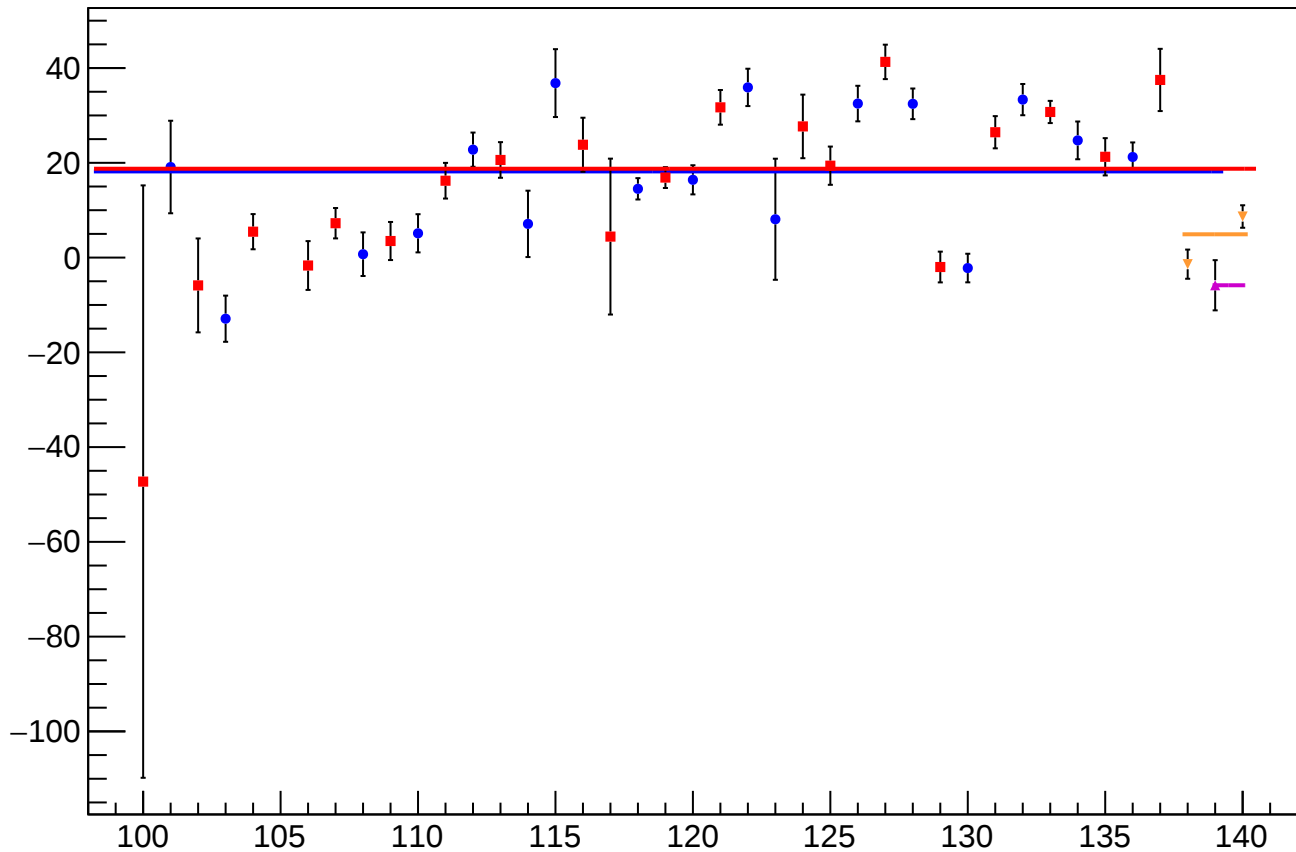
Right Out: -68.551 $\pm$ 0.647 χ^2 /NDF: 0.0/19

Left In: -83.193 $\pm$ 2.958 χ^2 /NDF: 0.0/0

-68.698 $\pm$ 0.663 χ^2 /NDF: 0.9/18

-69.219 $\pm$ 0.632 χ^2 /NDF: 23.4/20

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188+/-0.917 χ^2 /NDF: 204.9/16

Left Out: 4.917+/-1.880 χ^2 /NDF: 6.7/1

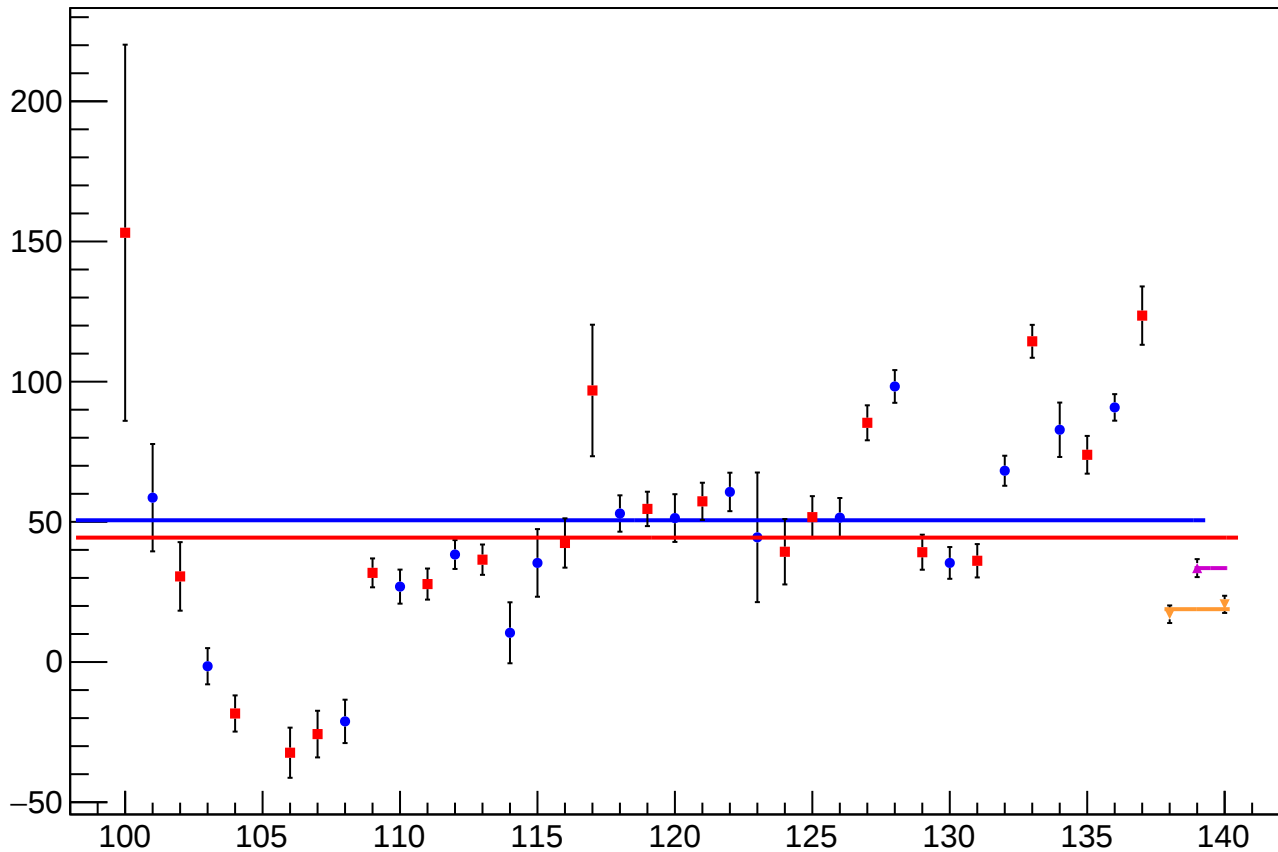
Right Out: 18.752+/-0.862 χ^2 /NDF: 199.5/19

Left In: -5.841+/-5.298 χ^2 /NDF: 0.0/0

15.637+/-0.824 χ^2 /NDF: 251.8/18

18.118+/-0.850 χ^2 /NDF: 220.5/20

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: 18.854+/-2.191 χ^2/NDF : 0.6/1

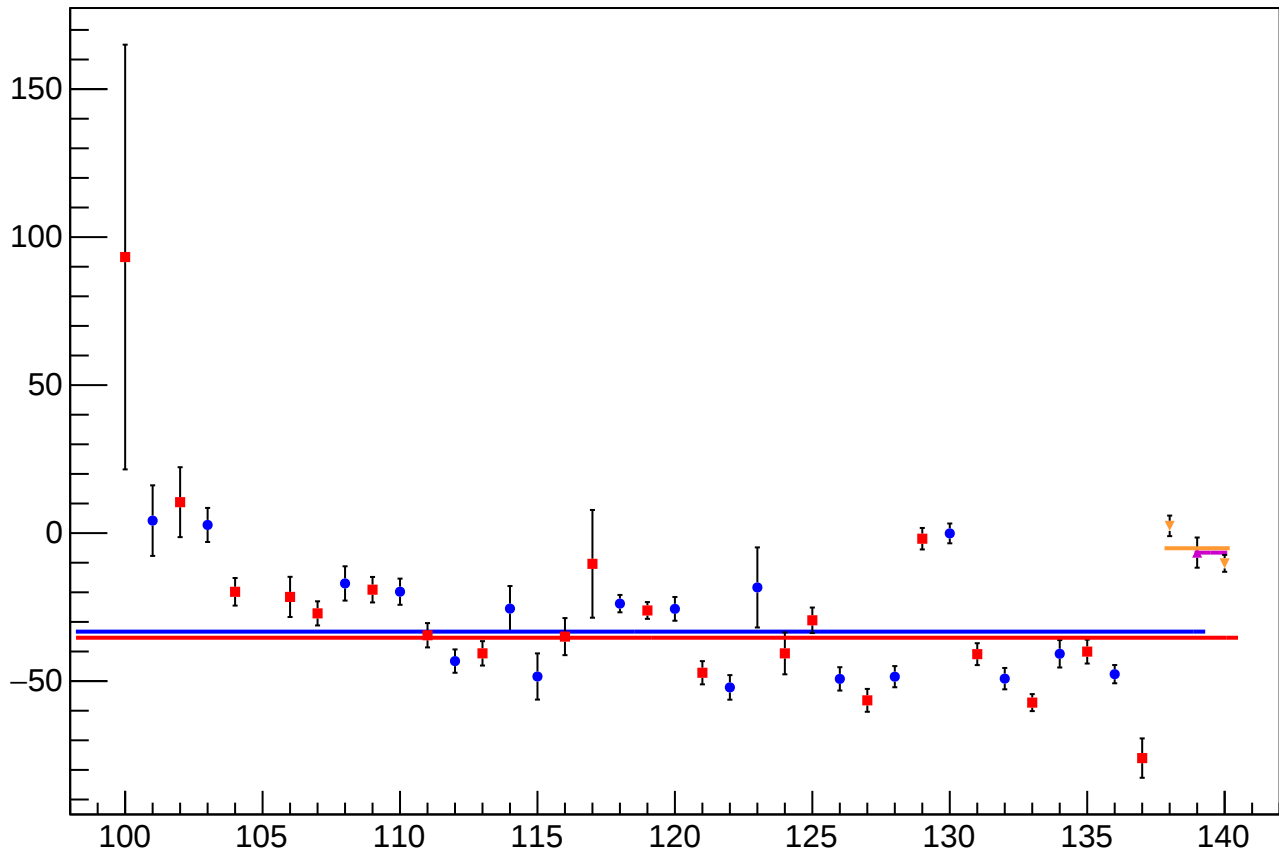
Right Out: 44.377+/-1.599 χ^2/NDF : 537.6/19

Left In: 33.503+/-3.206 χ^2/NDF : 0.0/0

38.845+/-1.332 χ^2/NDF : 490.6/18

42.211+/-1.431 χ^2/NDF : 546.8/20

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -5.113 ± 2.204 χ^2/NDF : 7.9/1

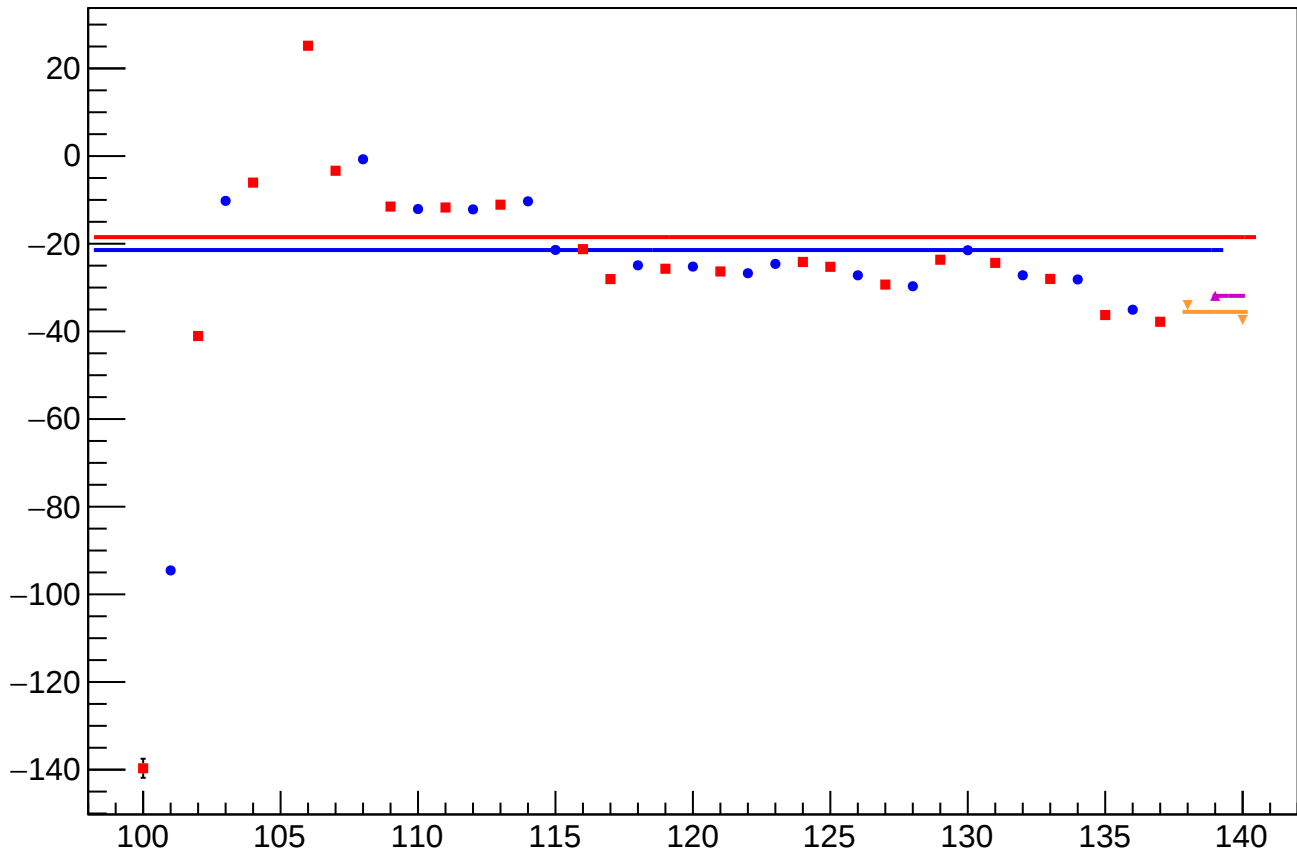
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: -6.587 ± 5.098 χ^2/NDF : 0.0/0

-28.123 ± 0.943 χ^2/NDF : 431.5/18

-34.299 ± 0.972 χ^2/NDF : 322.3/20

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -35.547 ± 0.090 $\chi^2/\text{NDF}: 350.1/1$

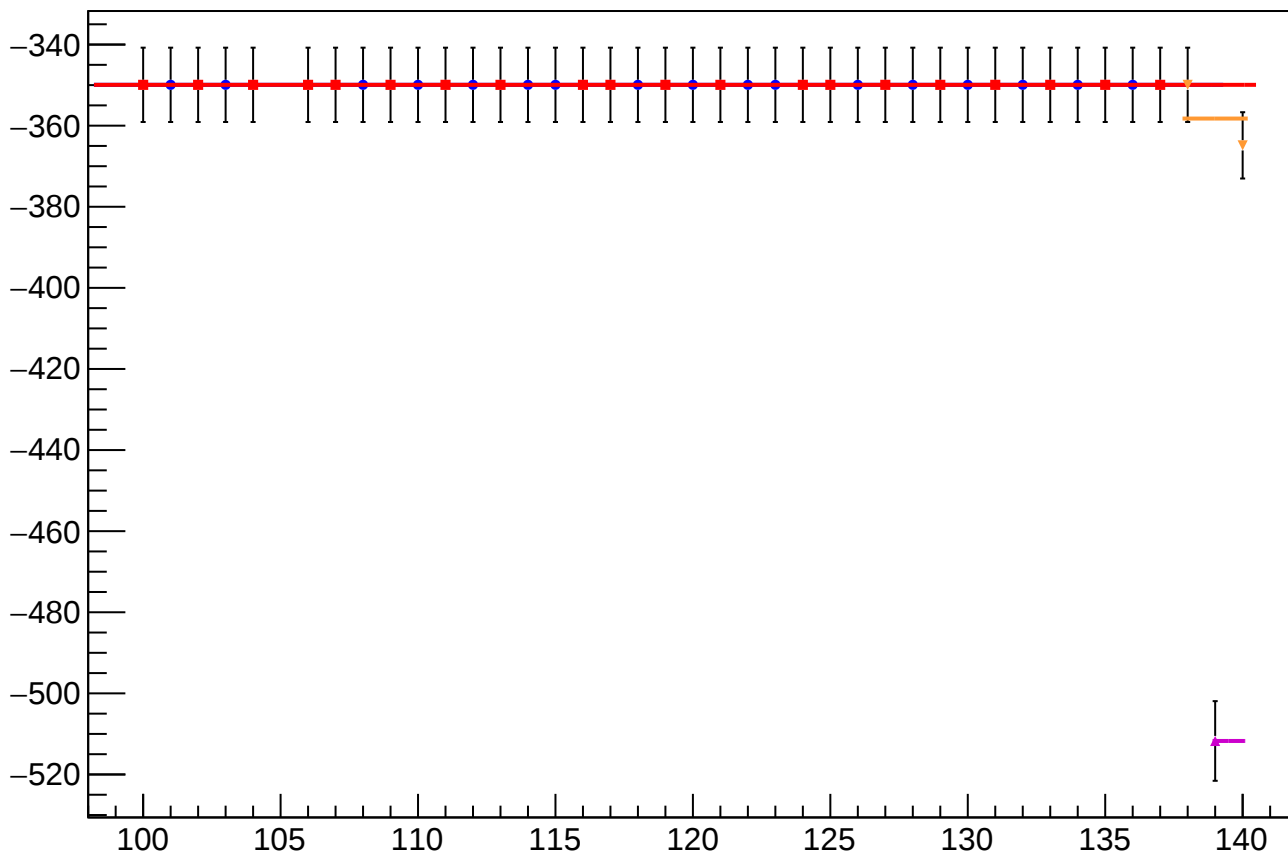
Right Out: -18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

Left In: -31.889 ± 0.113 $\chi^2/\text{NDF}: 0.0/0$

-25.667 ± 0.049 $\chi^2/\text{NDF}: 66490.1/18$

-21.250 ± 0.051 $\chi^2/\text{NDF}: 91805.6/20$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -349.933+/-2.223 χ^2/NDF : 0.0/16

Left Out: -358.246+/-6.101 χ^2/NDF : 1.5/1

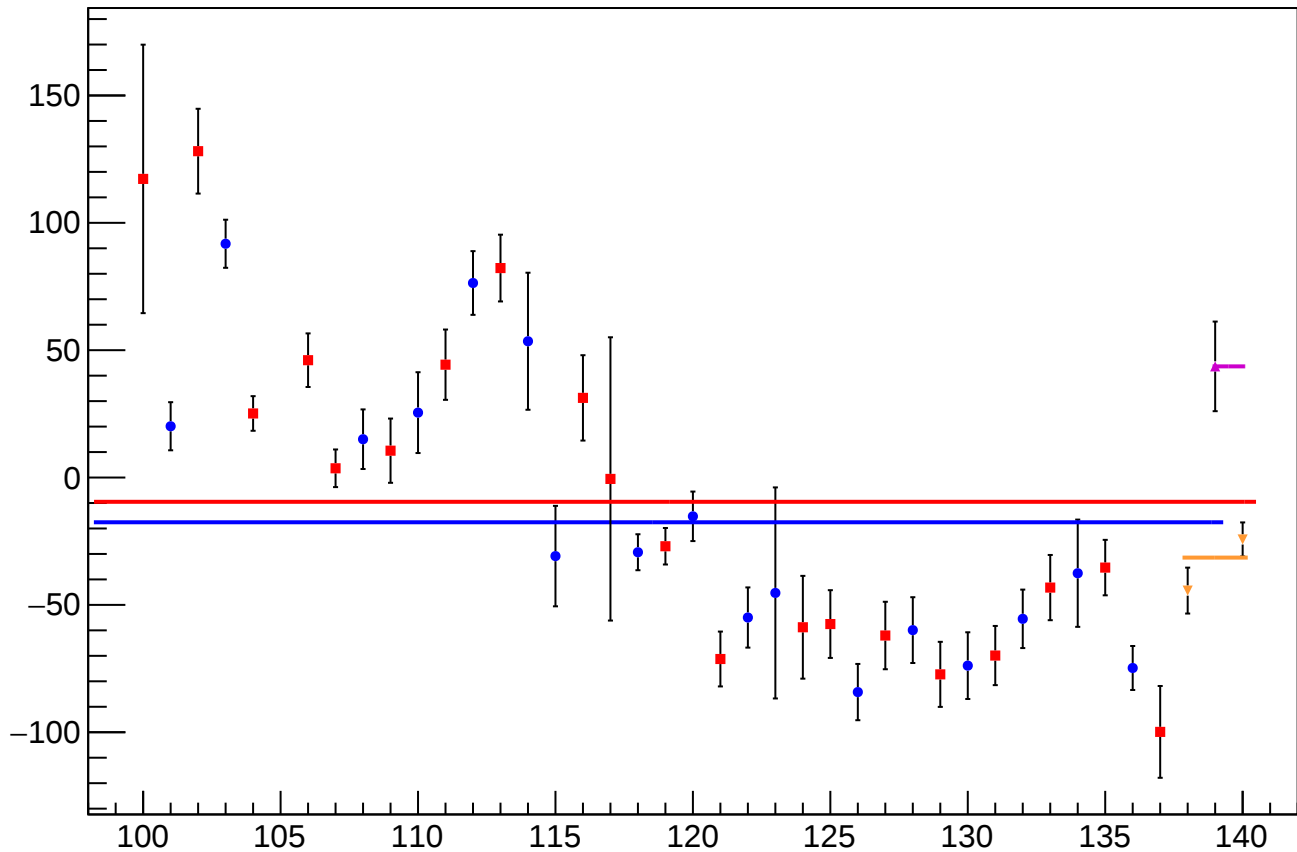
Right Out: -349.933+/-2.049 χ^2/NDF : 0.0/19

Left In: -511.738+/-9.823 χ^2/NDF : 0.0/0

-350.907+/-2.089 χ^2/NDF : 3.1/18

-356.683+/-2.006 χ^2/NDF : 260.0/20

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: -31.433 ± 5.369 $\chi^2/\text{NDF}: 3.2/1$

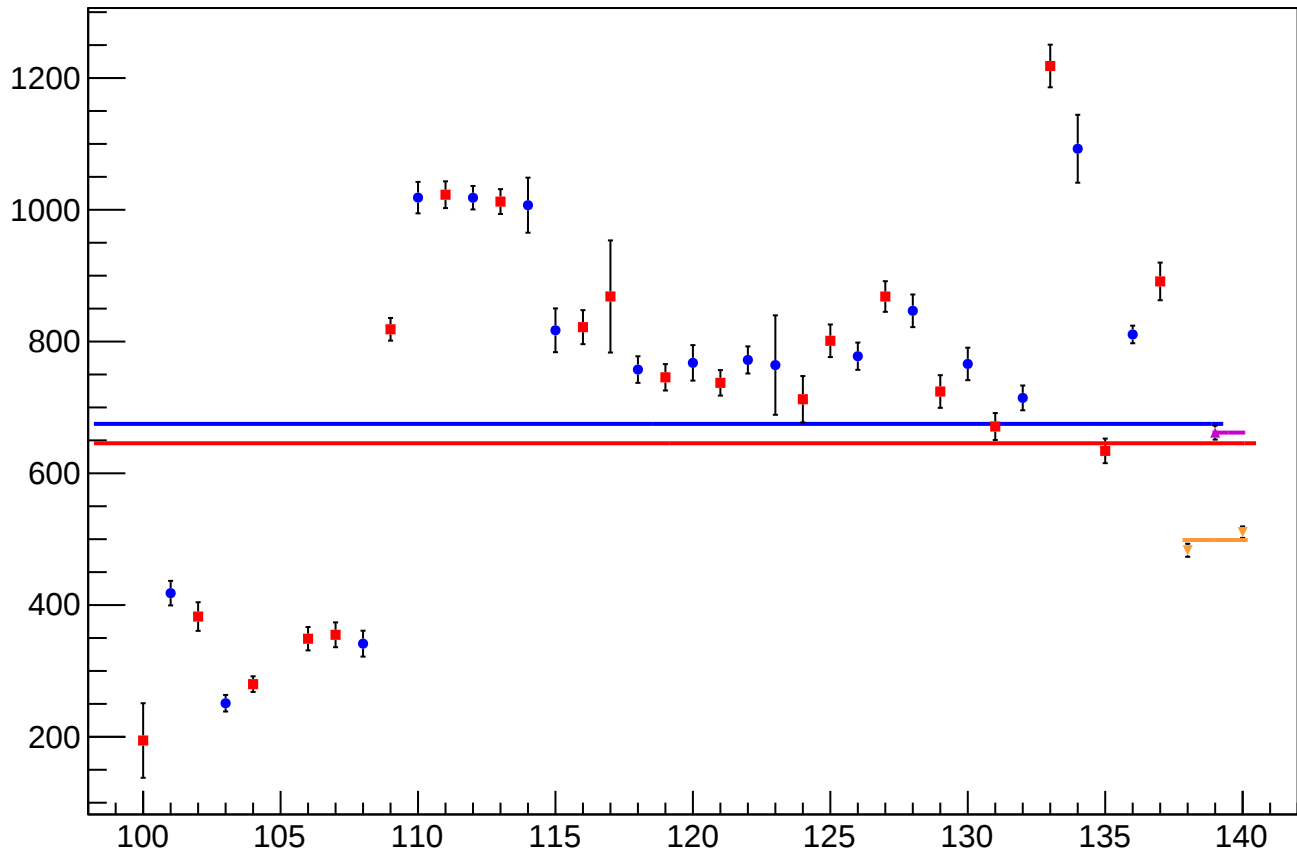
Right Out: -9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

Left In: 43.644 ± 17.591 $\chi^2/\text{NDF}: 0.0/0$

-20.563 ± 2.497 $\chi^2/\text{NDF}: 372.2/18$

-8.385 ± 2.578 $\chi^2/\text{NDF}: 379.2/20$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 ± 5.067 χ^2/NDF : 2584.3/16

Left Out: 498.739 ± 6.547 χ^2/NDF : 4.3/1

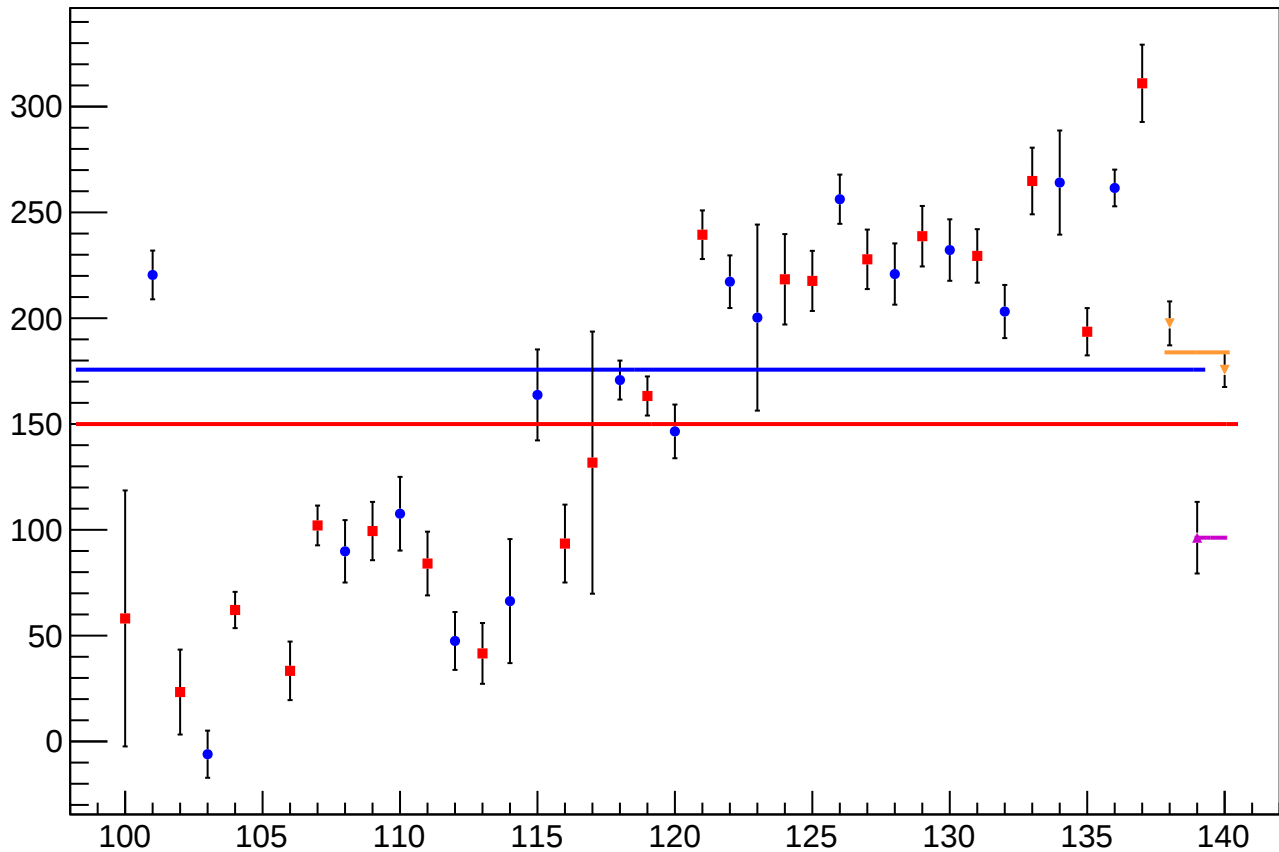
Right Out: 645.613 ± 4.754 χ^2/NDF : 3129.0/19

Left In: 661.806 ± 10.644 χ^2/NDF : 0.0/0

608.988 ± 4.007 χ^2/NDF : 3042.2/18

648.306 ± 4.341 χ^2/NDF : 3131.0/20

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686+/-3.239 χ^2/NDF : 637.9/16

Left Out: 183.867+/-6.376 χ^2/NDF : 2.8/1

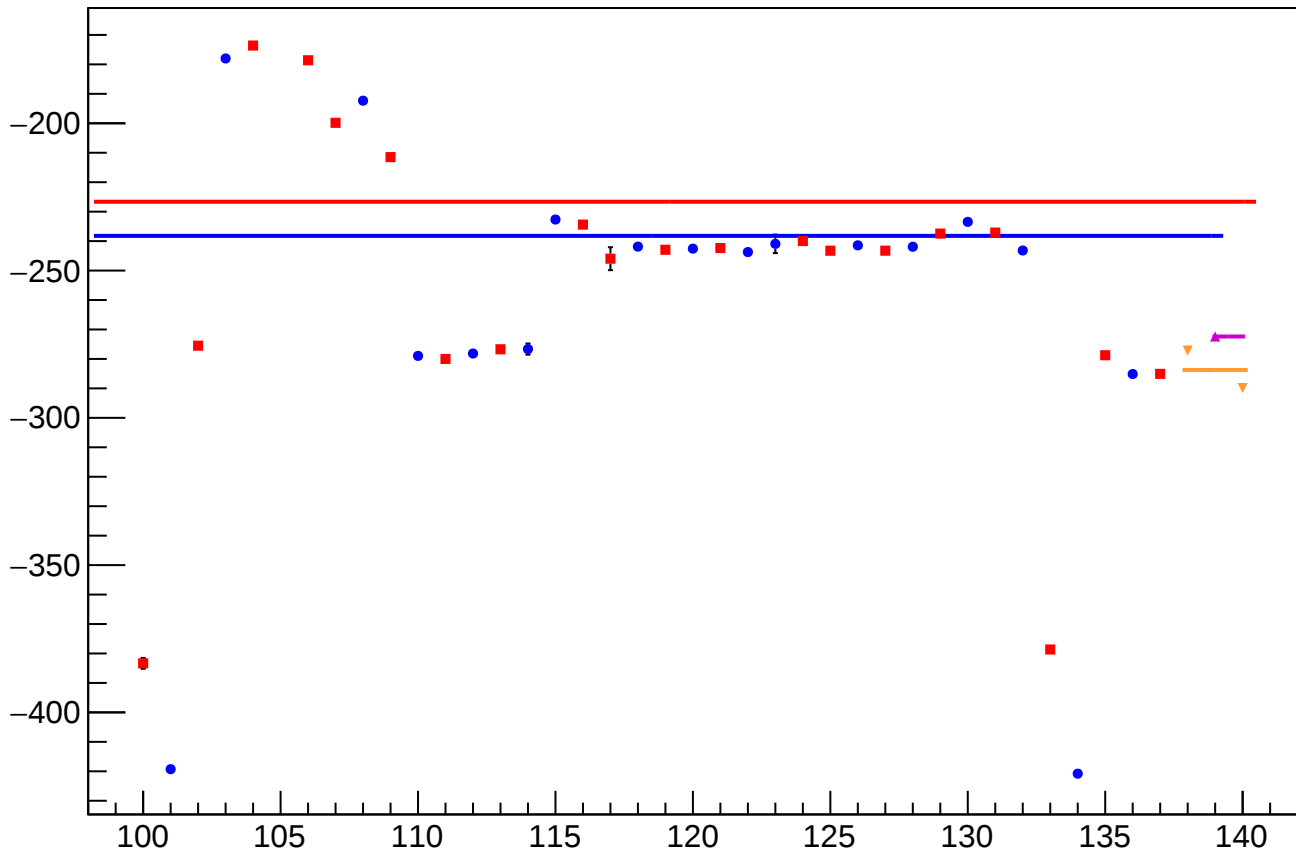
Right Out: 149.973+/-3.038 χ^2/NDF : 693.8/19

Left In: 96.283+/-16.925 χ^2/NDF : 0.0/0

177.364+/-2.887 χ^2/NDF : 642.0/18

148.297+/-2.991 χ^2/NDF : 703.6/20

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 $\pm$ 0.160 χ^2 /NDF: 167120.0/16

Left Out: -283.763 $\pm$ 0.274 χ^2 /NDF: 537.4/1

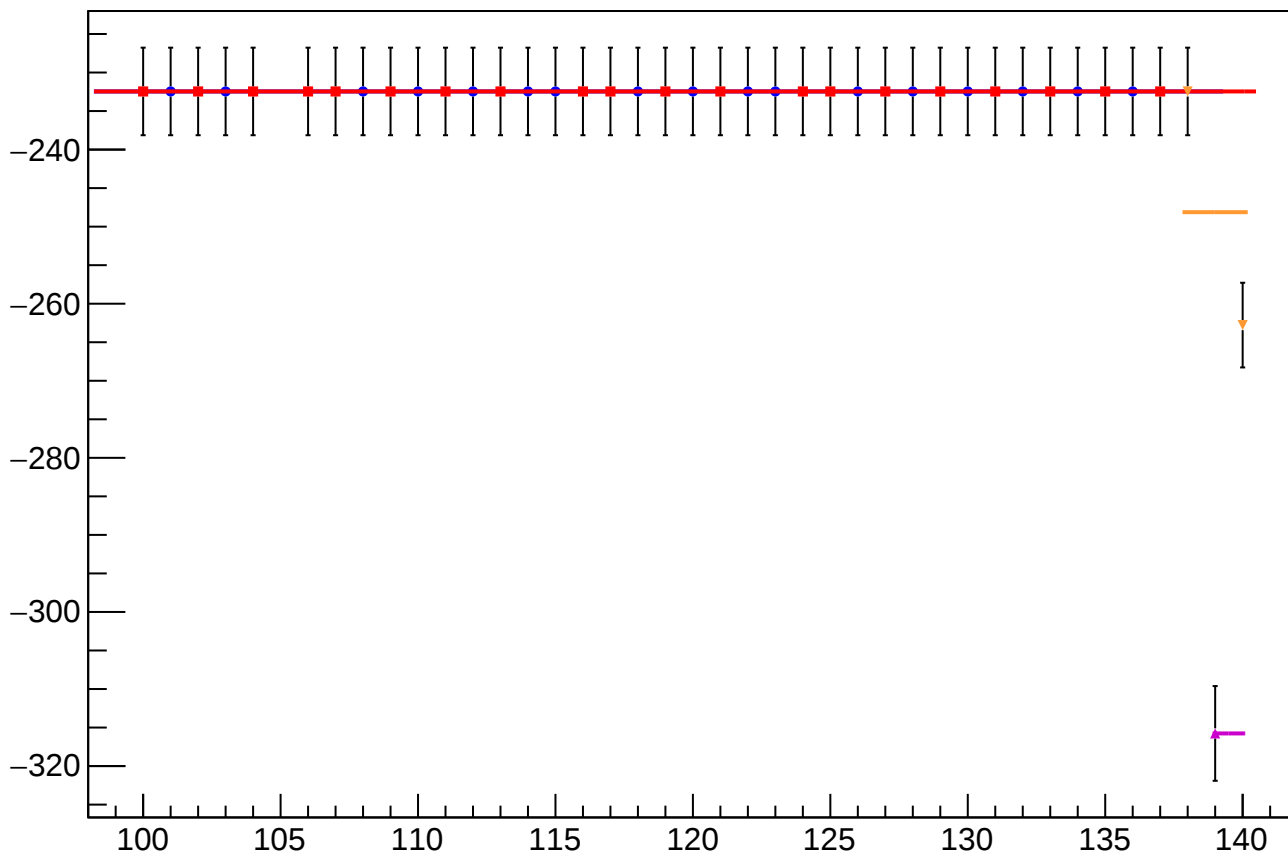
Right Out: -226.626 $\pm$ 0.151 χ^2 /NDF: 102587.0/19

Left In: -272.386 $\pm$ 0.374 χ^2 /NDF: 0.0/0

-249.832 $\pm$ 0.138 χ^2 /NDF: 188204.0/18

-233.049 $\pm$ 0.140 χ^2 /NDF: 115457.6/20

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -232.456+/-1.378 χ^2/NDF : 0.0/16

Left Out: -248.121+/-3.949 χ^2/NDF :14.7/1

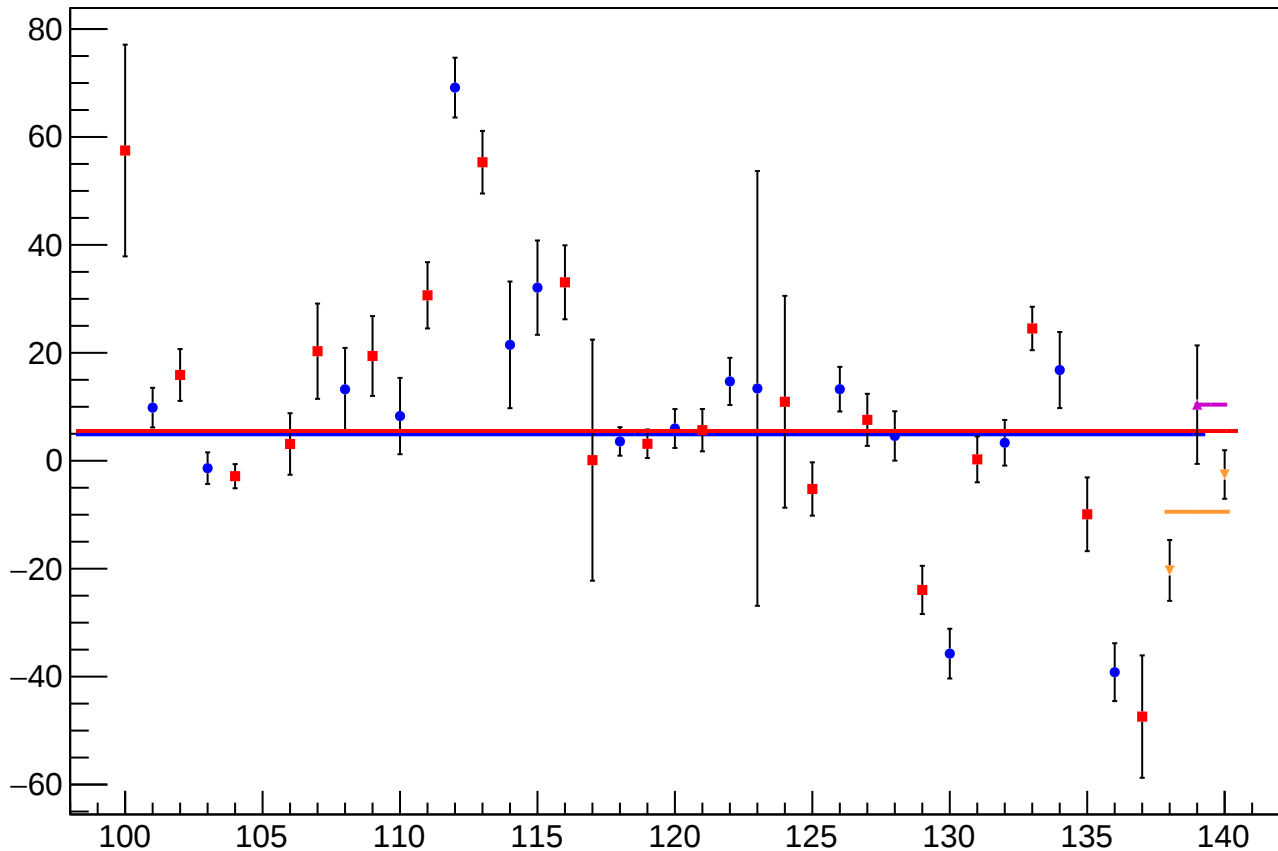
Right Out: -232.456+/-1.270 χ^2/NDF : 0.0/19

Left In: -315.763+/-6.147 χ^2/NDF :0.0/0

-234.155+/-1.301 χ^2/NDF : 28.7/18

-235.868+/-1.244 χ^2/NDF : 176.2/20

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: -9.452 ± 3.517 $\chi^2/\text{NDF}: 6.1/1$

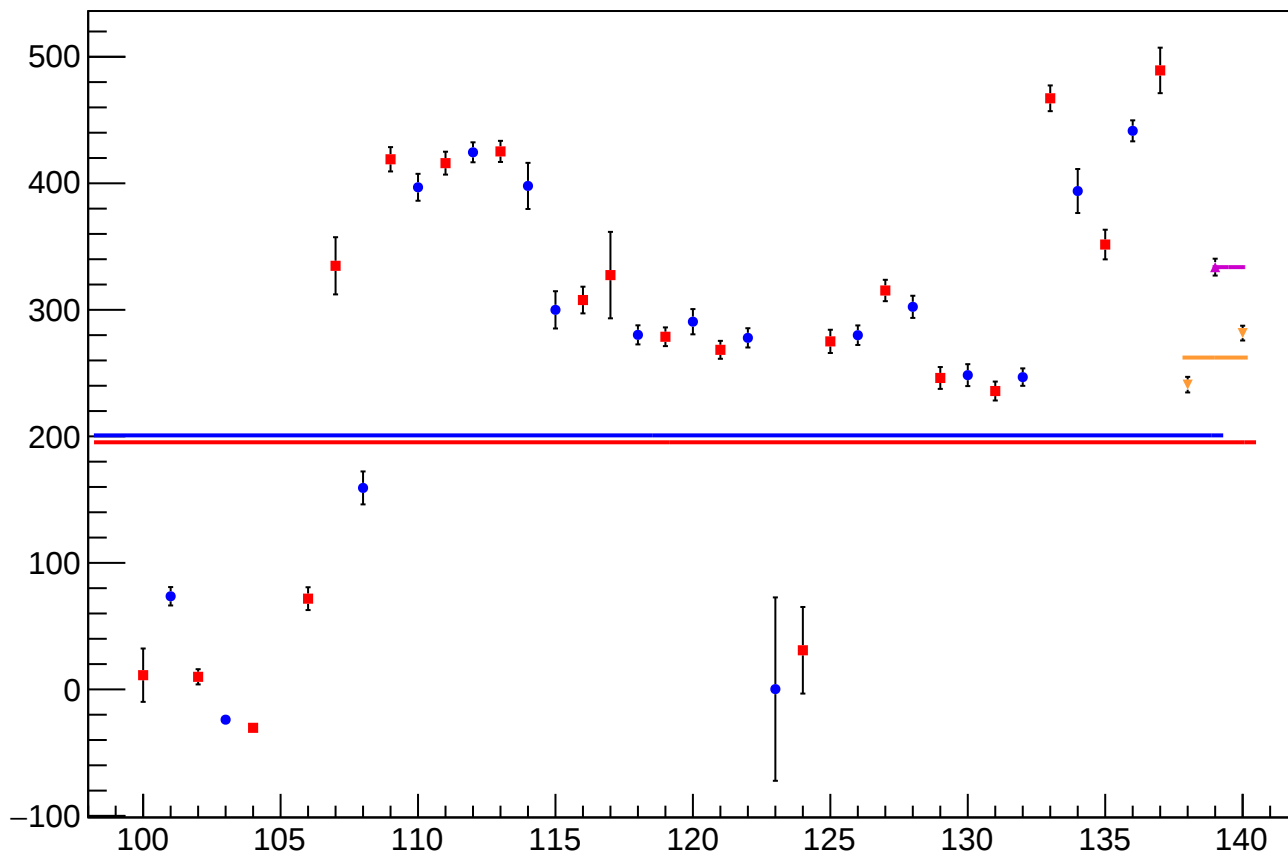
Right Out: 5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

Left In: 10.399 ± 10.978 $\chi^2/\text{NDF}: 0.0/0$

3.614 ± 1.055 $\chi^2/\text{NDF}: 332.9/18$

5.563 ± 1.062 $\chi^2/\text{NDF}: 239.2/20$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 262.286 $\pm$ 4.241 χ^2 /NDF:23.0/1

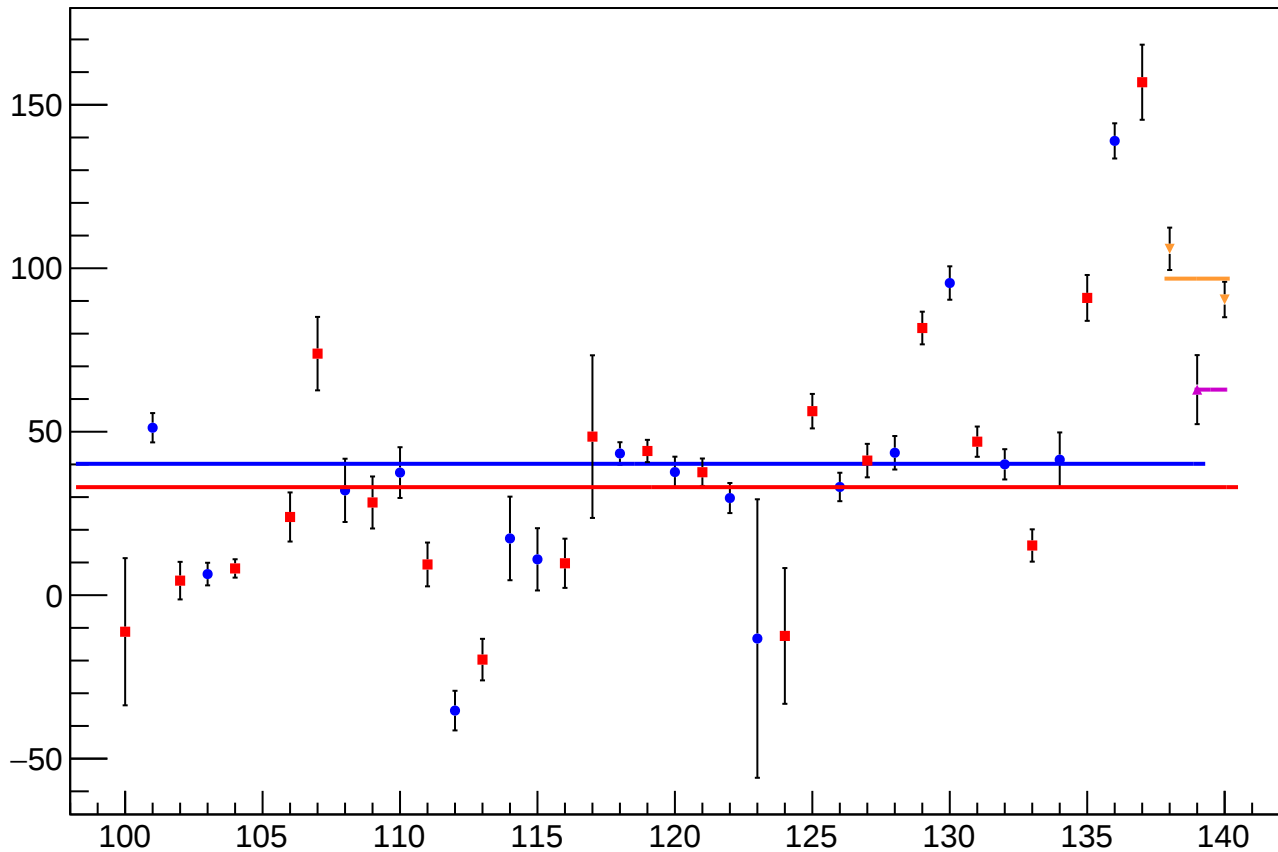
Right Out: 195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

Left In: 333.755 $\pm$ 6.664 χ^2 /NDF:0.0/0

211.809 $\pm$ 1.797 χ^2 /NDF: 6928.6/18

205.930 $\pm$ 1.846 χ^2 /NDF: 8660.6/20

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 96.828 ± 4.160 $\chi^2/\text{NDF}: 3.4/1$

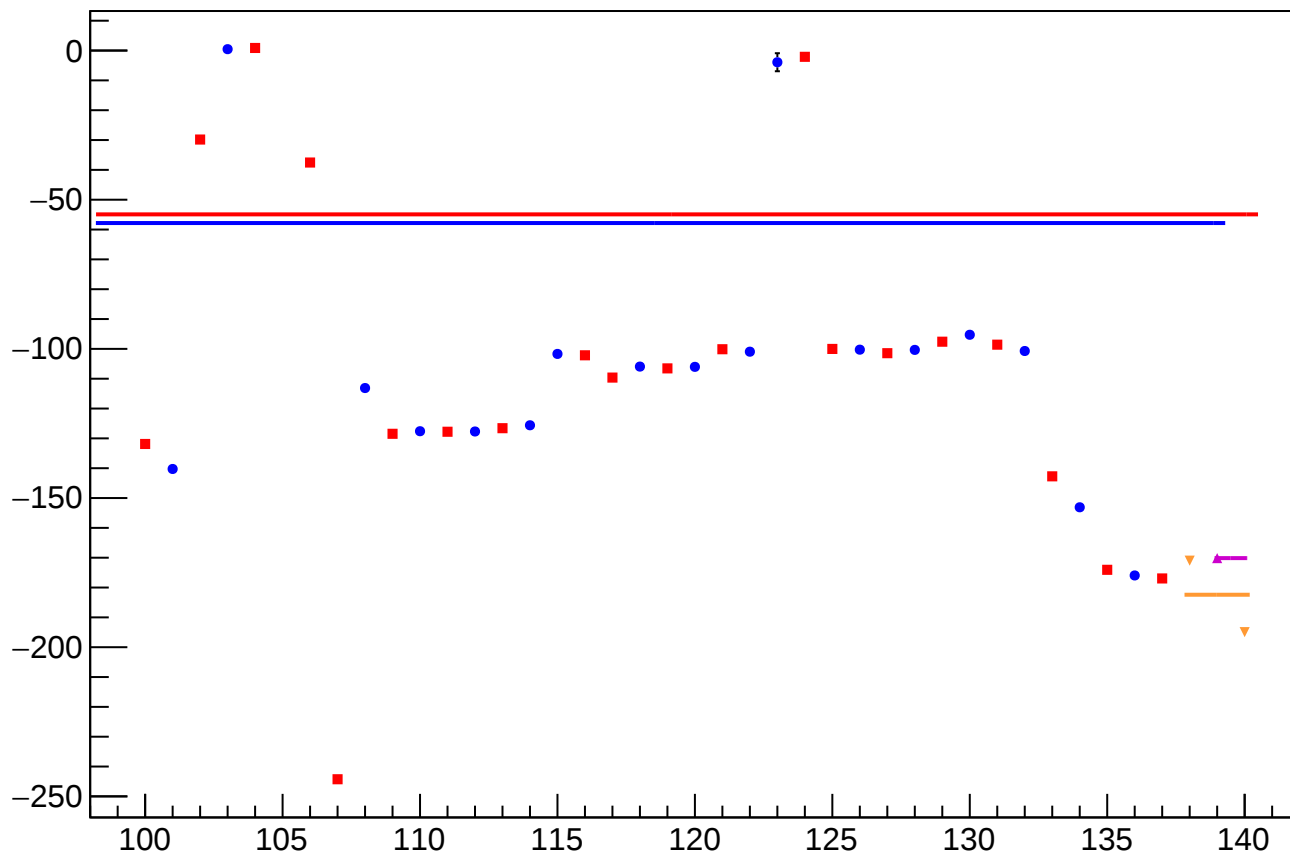
Right Out: 33.045 ± 1.249 $\chi^2/\text{NDF}: 553.1/19$

Left In: 62.878 ± 10.560 $\chi^2/\text{NDF}: 0.0/0$

45.105 ± 1.226 $\chi^2/\text{NDF}: 907.2/18$

33.456 ± 1.240 $\chi^2/\text{NDF}: 560.9/20$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -182.414 ± 0.177 $\chi^2/\text{NDF}: 4592.5/1$

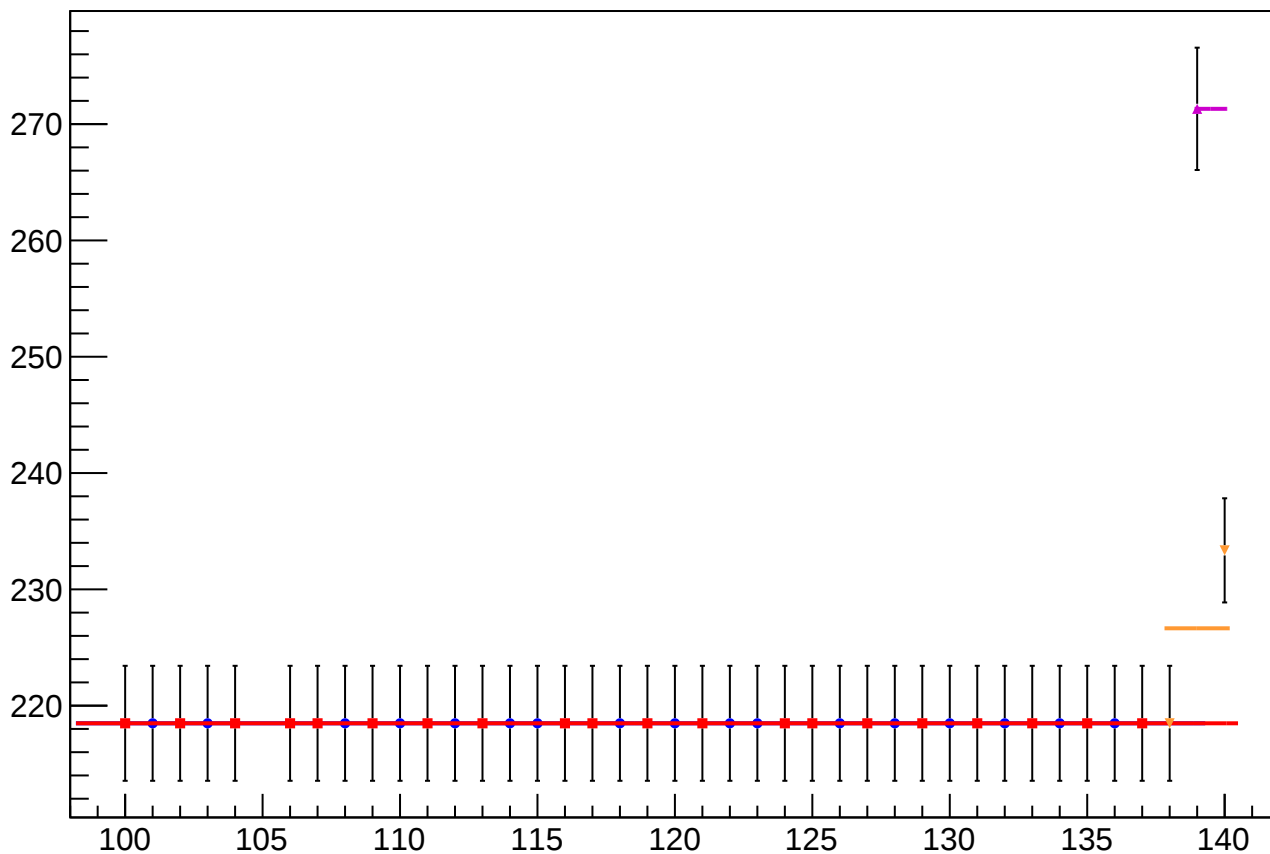
Right Out: -54.915 ± 0.060 $\chi^2/\text{NDF}: 1001968.3/19$

Left In: -170.137 ± 0.233 $\chi^2/\text{NDF}: 0.0/0$

-71.409 ± 0.058 $\chi^2/\text{NDF}: 1549335.4/18$

-62.106 ± 0.058 $\chi^2/\text{NDF}: 1230702.0/20$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 218.484 ± 1.199 $\chi^2/\text{NDF}: 0.0/16$

Left Out: 226.651 ± 3.319 $\chi^2/\text{NDF}: 5.0/1$

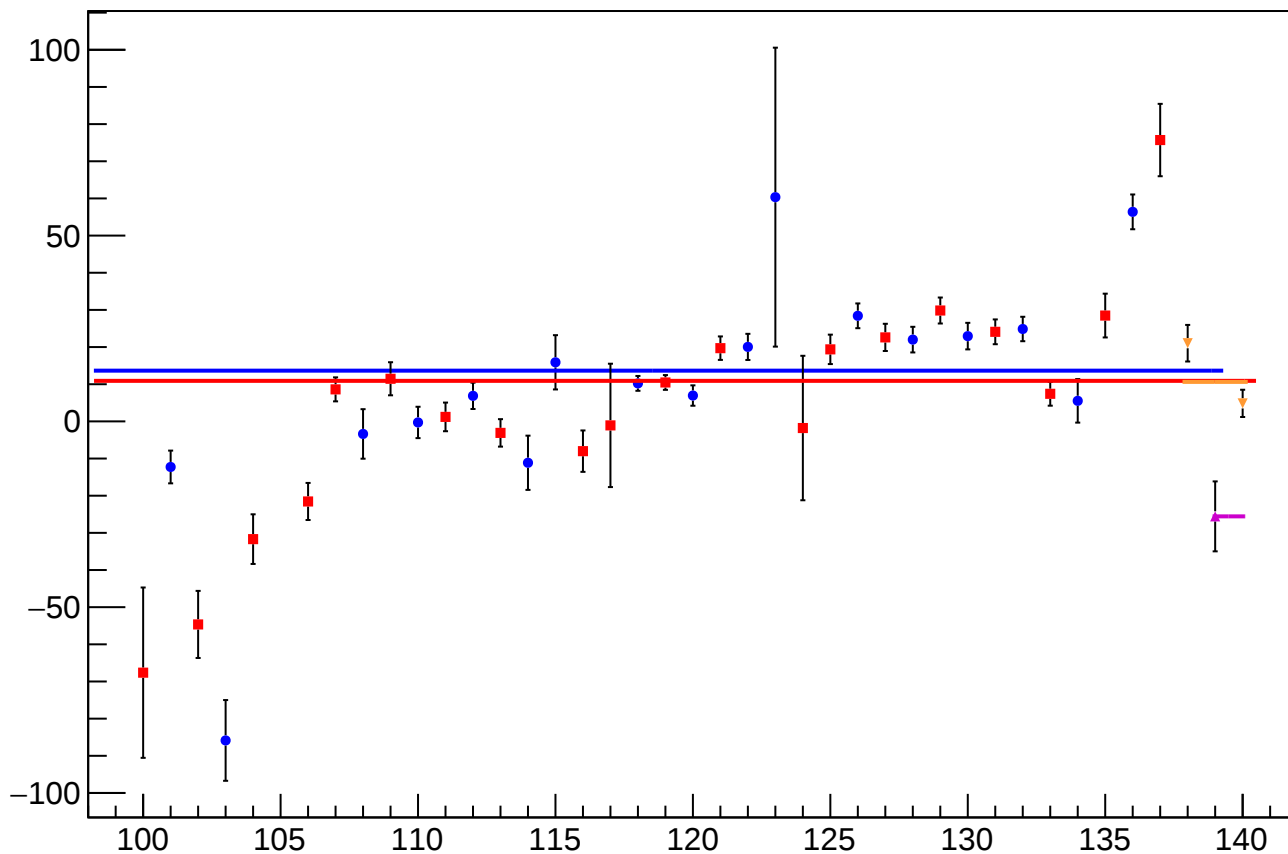
Right Out: 218.484 ± 1.105 $\chi^2/\text{NDF}: 0.0/19$

Left In: 271.314 ± 5.259 $\chi^2/\text{NDF}: 0.0/0$

219.427 ± 1.128 $\chi^2/\text{NDF}: 10.3/18$

220.719 ± 1.082 $\chi^2/\text{NDF}: 96.7/20$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: 10.625 ± 2.941 χ^2/NDF : 7.0/1

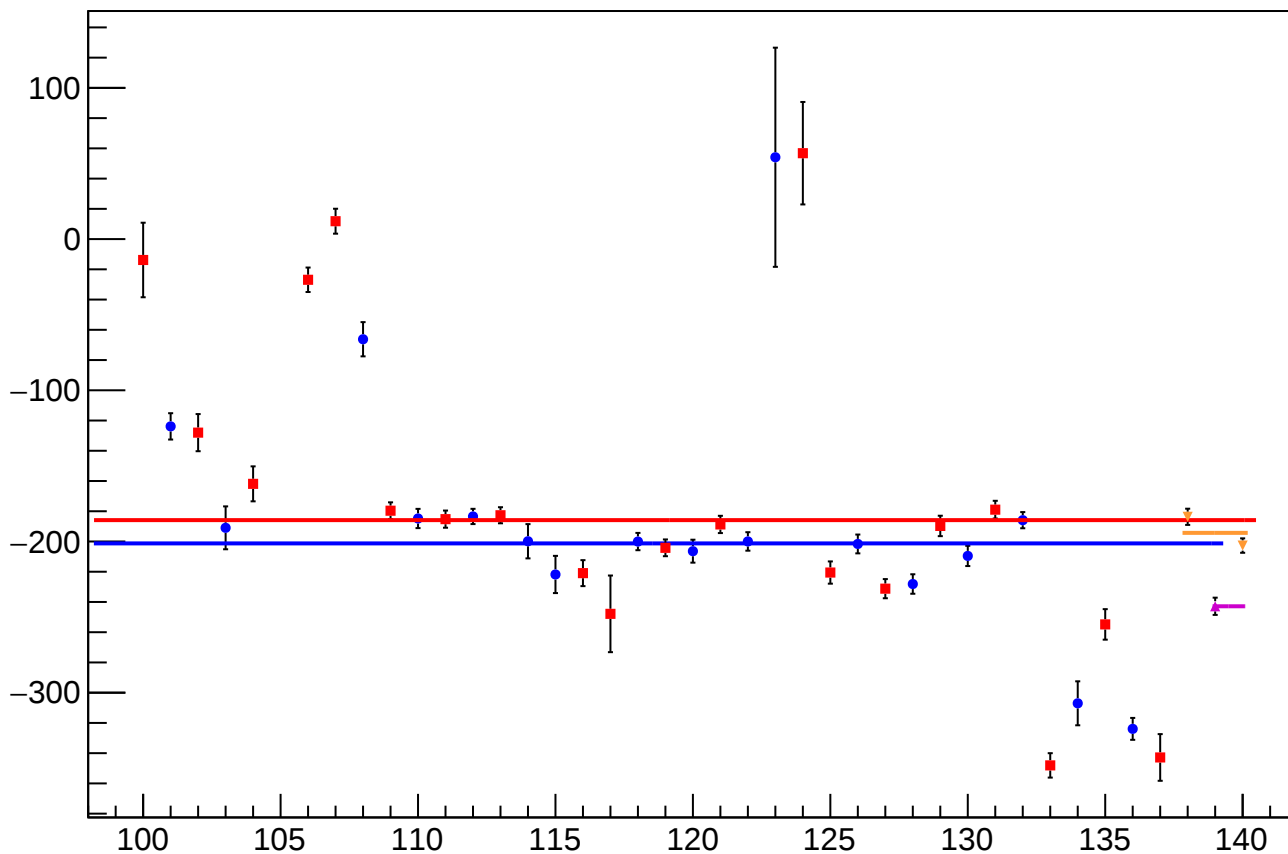
Right Out: 10.908 ± 0.912 χ^2/NDF : 303.1/19

Left In: -25.562 ± 9.413 χ^2/NDF : 0.0/0

13.374 ± 0.892 χ^2/NDF : 301.9/18

10.569 ± 0.908 χ^2/NDF : 317.9/20

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -194.295 ± 3.562 $\chi^2/\text{NDF}: 7.0/1$

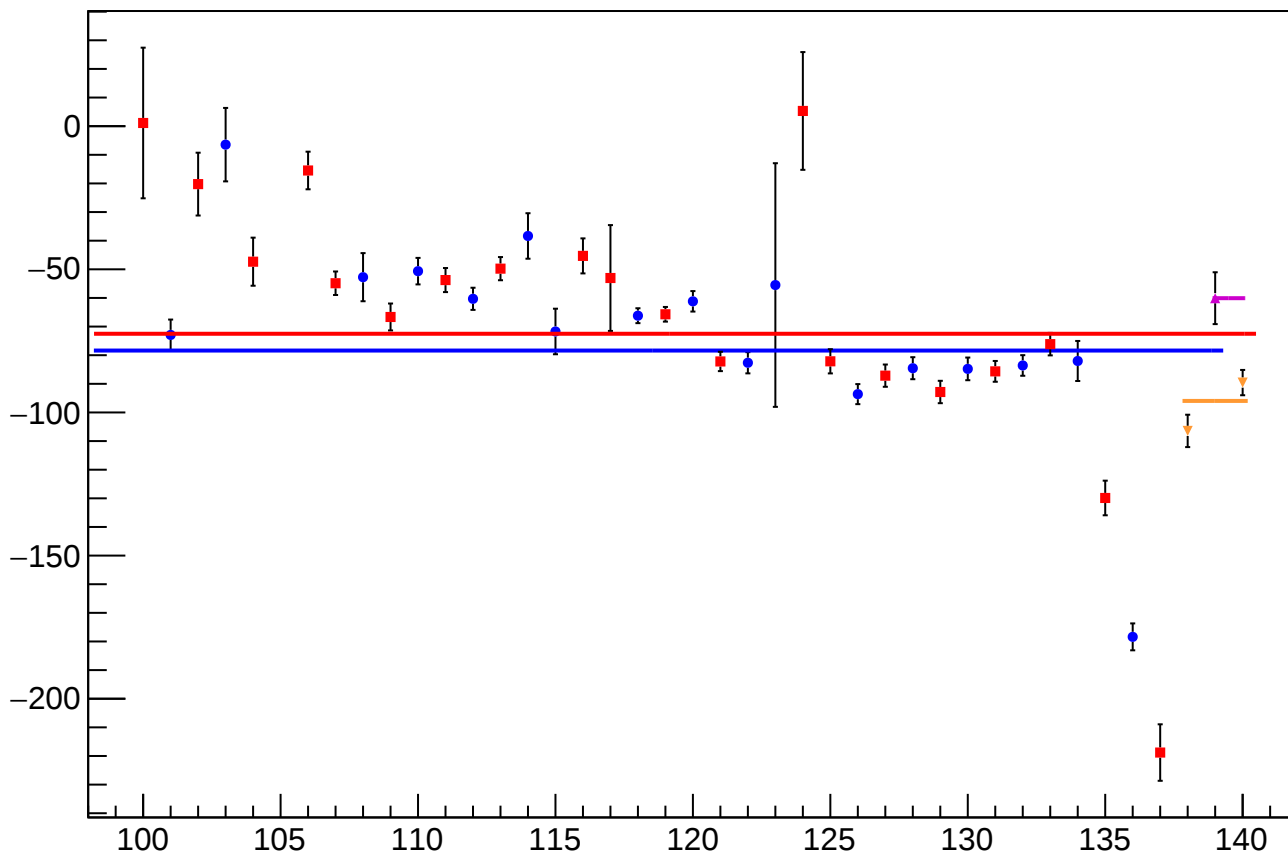
Right Out: -185.871 ± 1.695 $\chi^2/\text{NDF}: 1752.0/19$

Left In: -242.852 ± 5.699 $\chi^2/\text{NDF}: 0.0/0$

-199.854 ± 1.603 $\chi^2/\text{NDF}: 633.5/18$

-190.505 ± 1.625 $\chi^2/\text{NDF}: 1843.9/20$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -95.972 ± 3.482 χ^2/NDF : 5.5/1

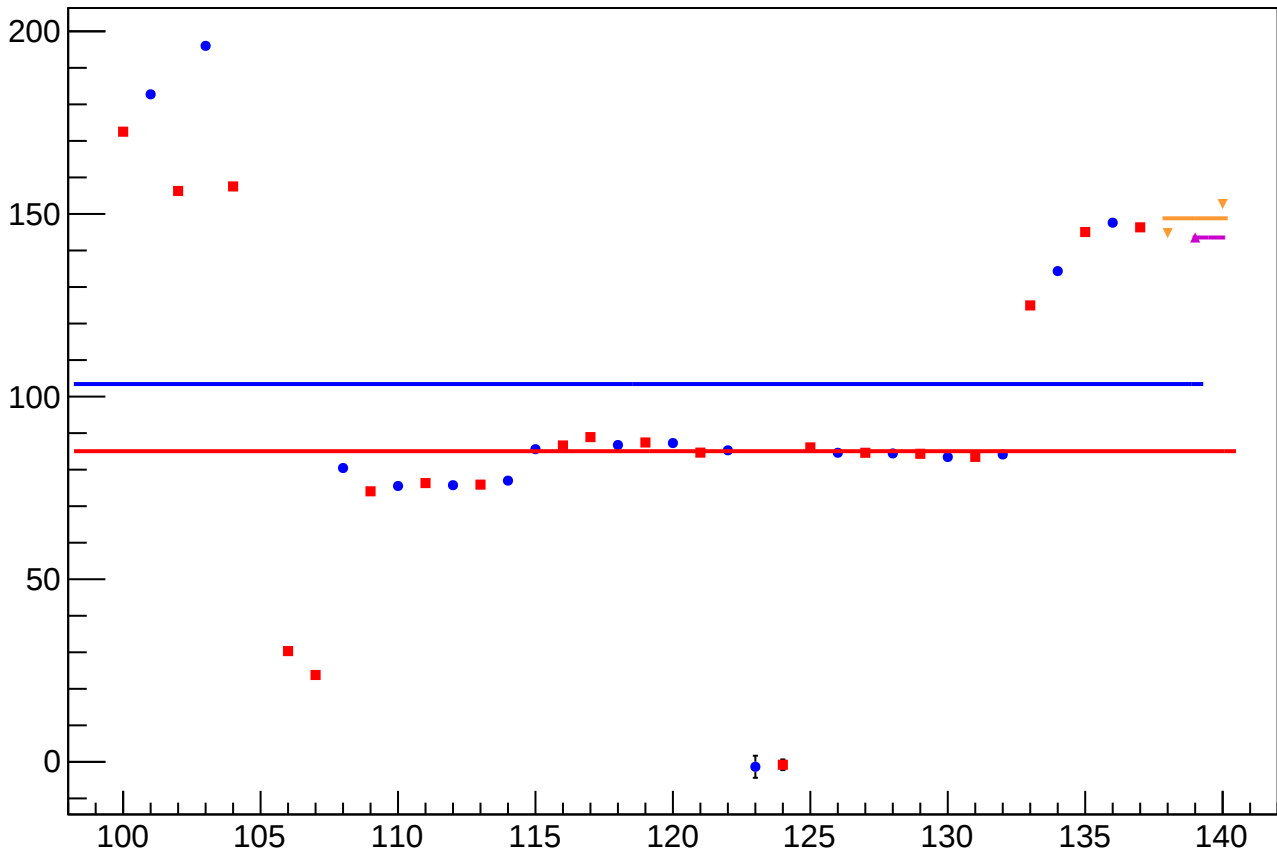
Right Out: -72.514 ± 1.050 χ^2/NDF : 607.0/19

Left In: -60.085 ± 9.056 χ^2/NDF : 0.0/0

-79.923 ± 1.033 χ^2/NDF : 680.2/18

-72.349 ± 1.043 χ^2/NDF : 608.8/20

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 148.809 $\pm$ 0.149 χ^2 /NDF: 714.1/1

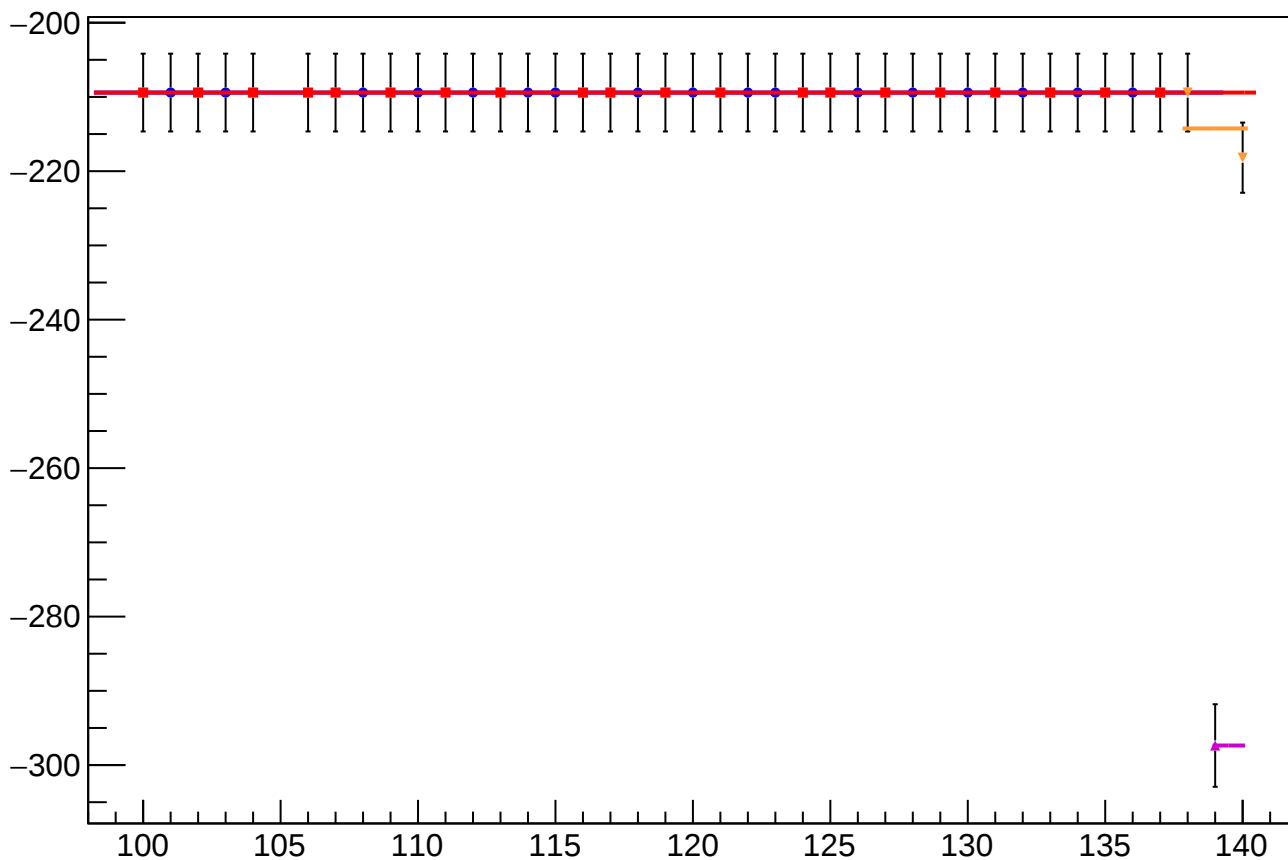
Right Out: 85.054 $\pm$ 0.064 χ^2 /NDF: 422354.0/19

Left In: 143.555 $\pm$ 0.200 χ^2 /NDF: 0.0/0

111.841 $\pm$ 0.064 χ^2 /NDF: 349406.8/18

90.426 $\pm$ 0.061 χ^2 /NDF: 499937.6/20

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -209.411 ± 1.271 χ^2/NDF : 0.0/16

Left Out: -214.247 ± 3.509 χ^2/NDF : 1.5/1

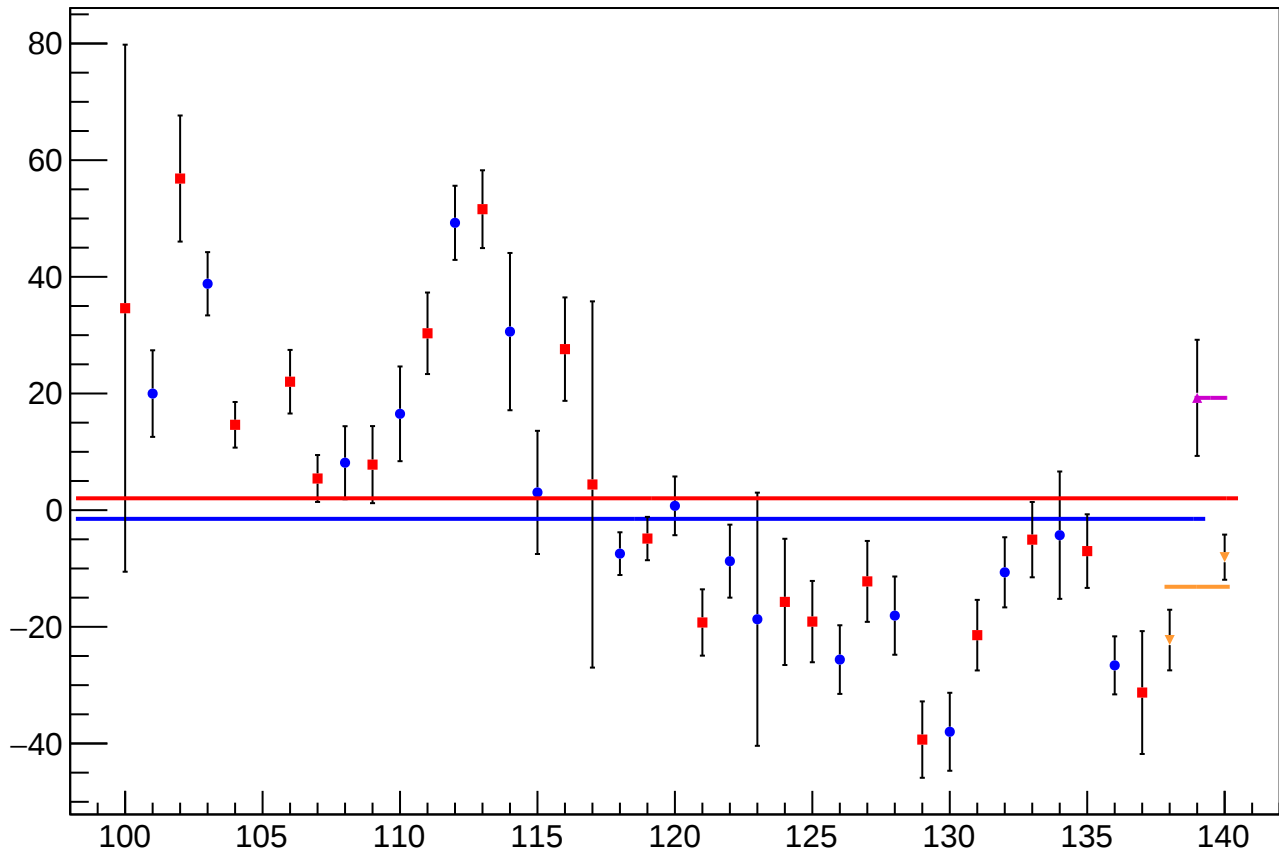
Right Out: -209.411 ± 1.172 χ^2/NDF : 0.0/19

Left In: -297.364 ± 5.561 χ^2/NDF : 0.0/0

-209.971 ± 1.195 χ^2/NDF : 3.2/18

-213.149 ± 1.146 χ^2/NDF : 239.5/20

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 $\pm$ 1.536 χ^2/NDF : 226.0/16

Left Out: -13.134 $\pm$ 3.104 χ^2/NDF : 4.8/1

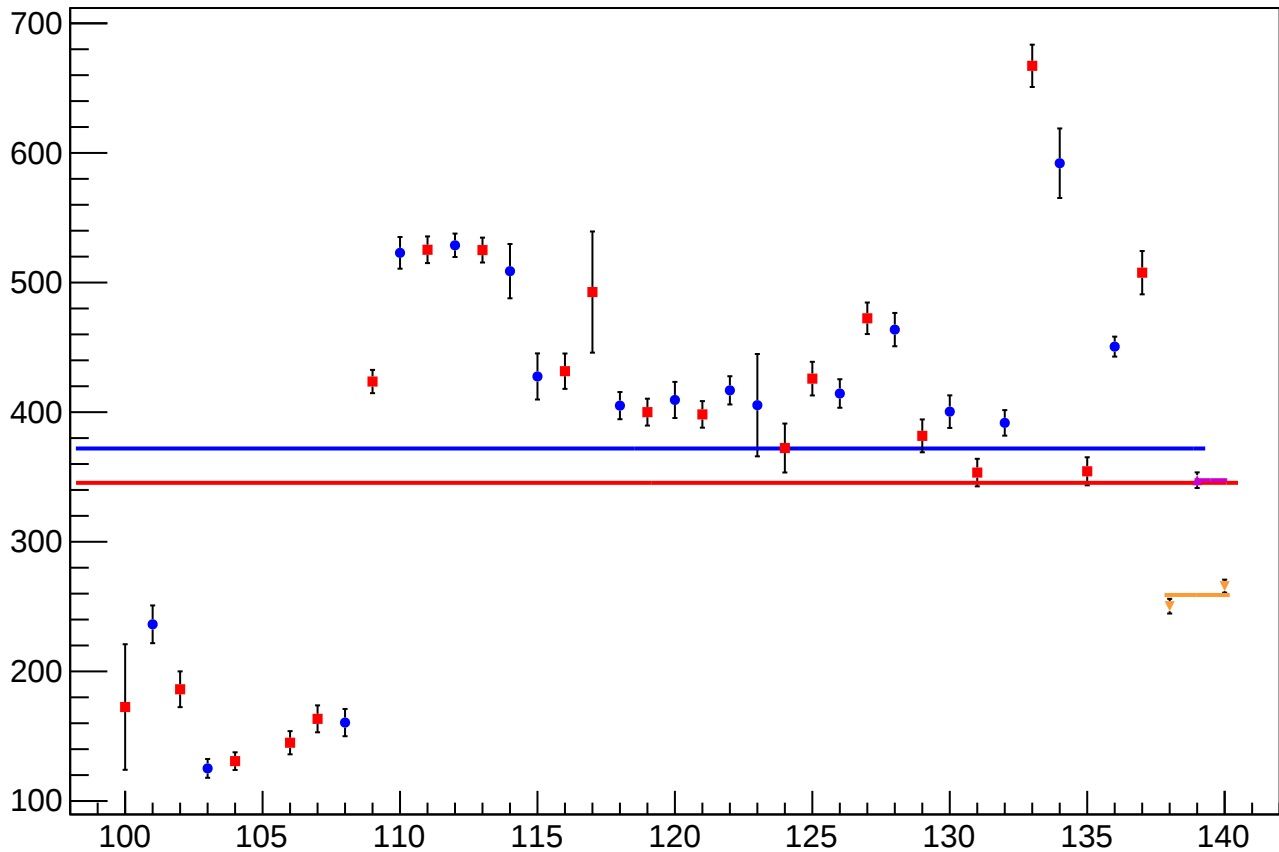
Right Out: 2.032 $\pm$ 1.398 χ^2/NDF : 233.3/19

Left In: 19.254 $\pm$ 9.954 χ^2/NDF : 0.0/0

-3.781 $\pm$ 1.377 χ^2/NDF : 242.1/18

2.365 $\pm$ 1.385 χ^2/NDF : 236.2/20

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975+/-2.778 χ^2/NDF : 2432.6/16

Left Out: 258.973+/-3.766 χ^2/NDF : 4.1/1

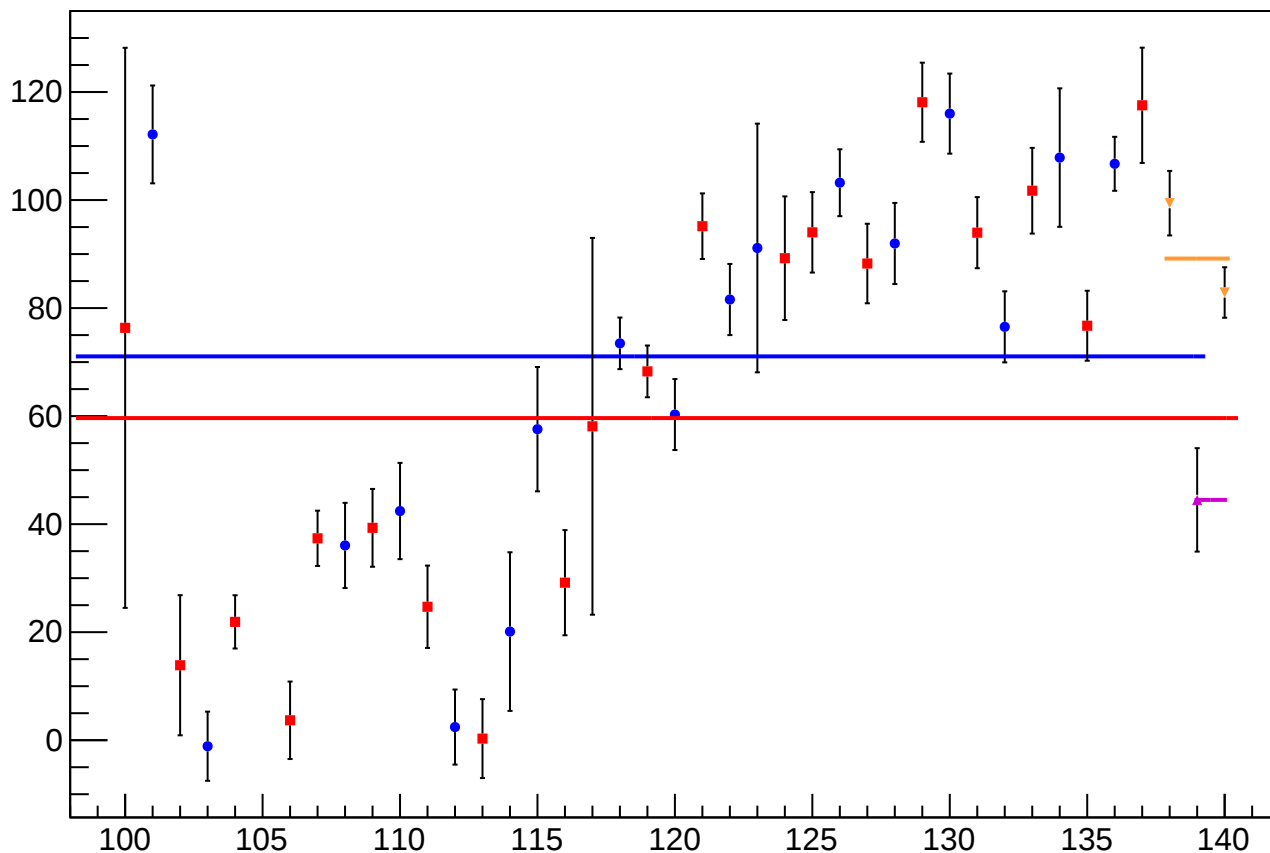
Right Out: 345.485+/-2.558 χ^2/NDF : 3425.1/19

Left In: 347.512+/-6.027 χ^2/NDF : 0.0/0

332.161+/-2.235 χ^2/NDF : 3019.8/18

345.794+/-2.355 χ^2/NDF : 3425.2/20

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2/NDF : 426.2/16

Left Out: 89.167 $\pm$ 3.681 χ^2/NDF : 4.8/1

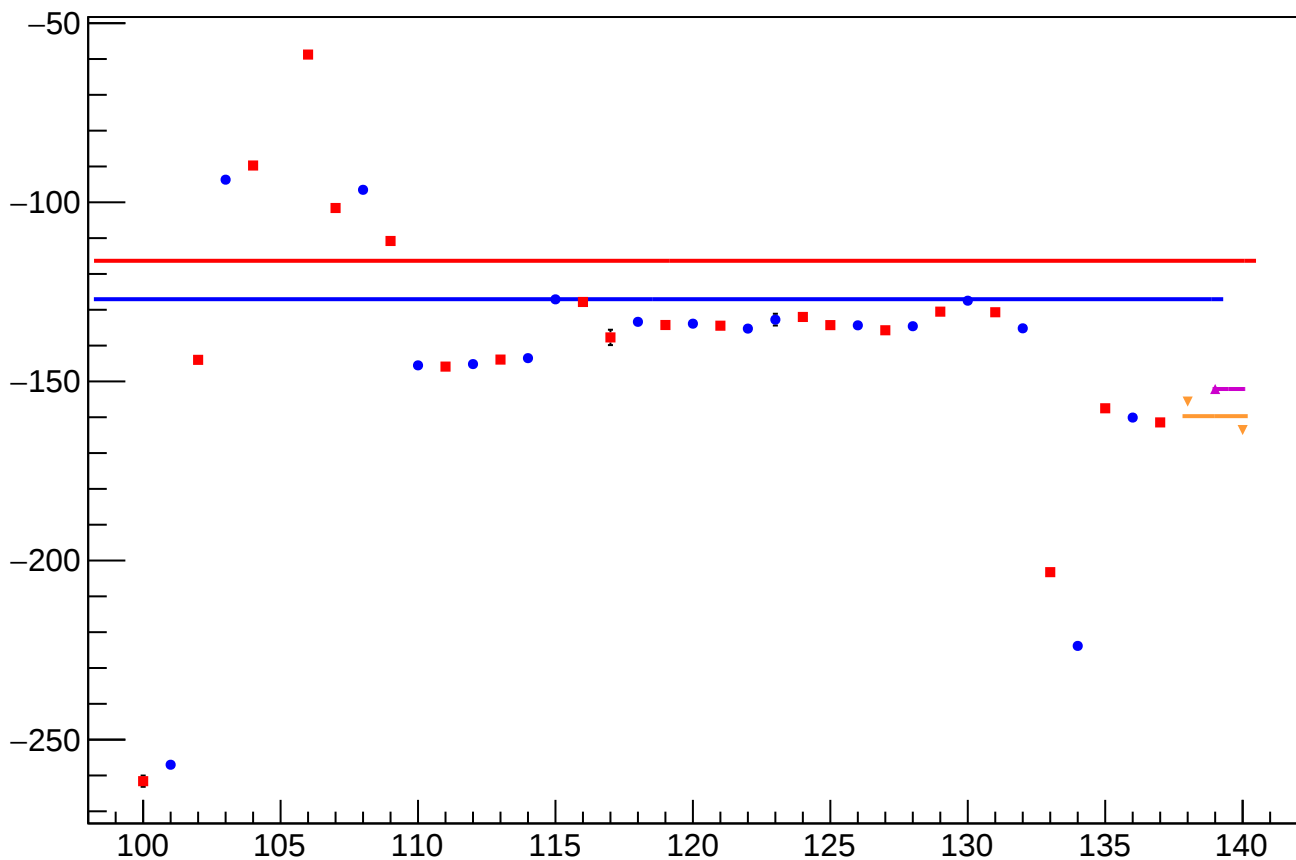
Right Out: 59.634 $\pm$ 1.629 χ^2/NDF : 491.6/19

Left In: 44.490 $\pm$ 9.577 χ^2/NDF : 0.0/0

74.438 $\pm$ 1.591 χ^2/NDF : 450.6/18

59.208 $\pm$ 1.606 χ^2/NDF : 494.1/20

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -159.696 ± 0.158 $\chi^2/\text{NDF}: 635.0/1$

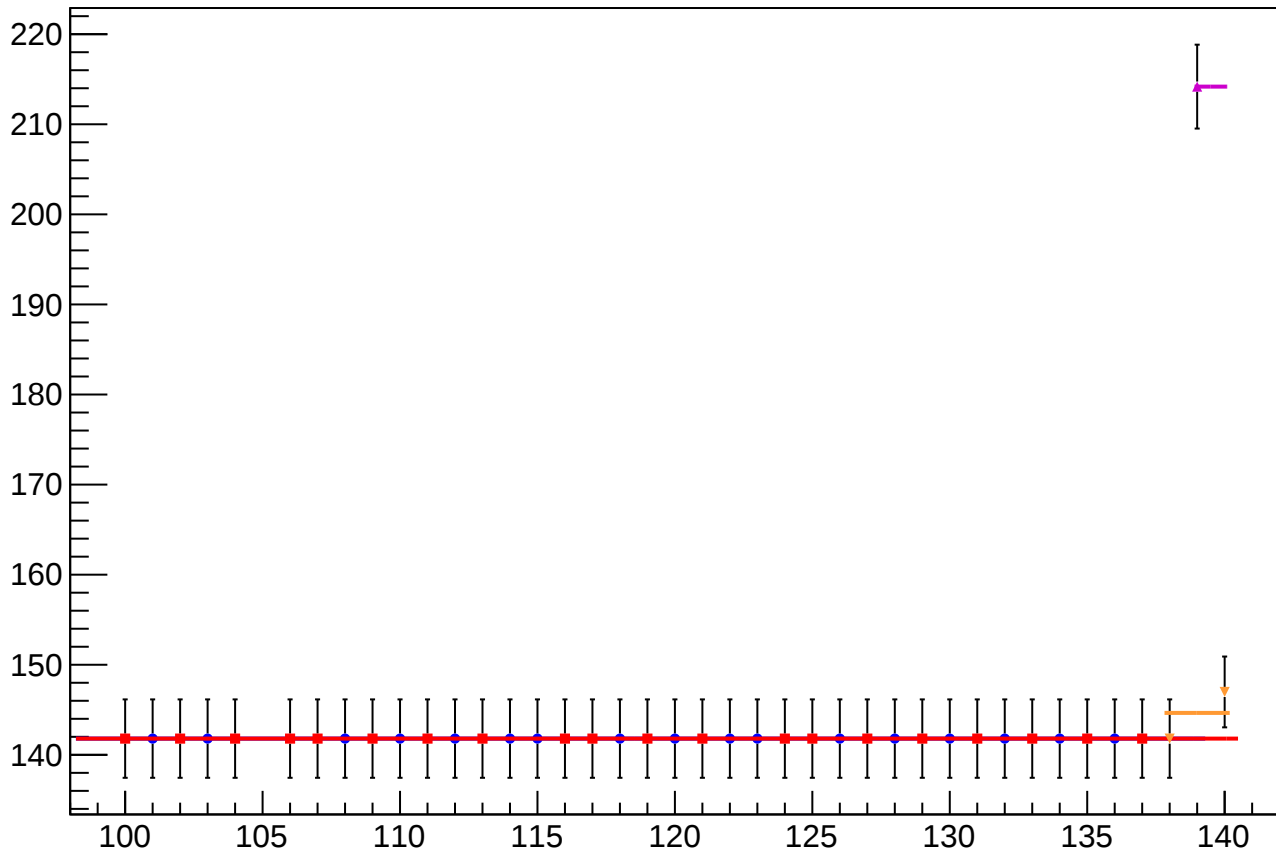
Right Out: -116.327 ± 0.083 $\chi^2/\text{NDF}: 167208.7/19$

Left In: -152.118 ± 0.212 $\chi^2/\text{NDF}: 0.0/0$

-135.051 ± 0.078 $\chi^2/\text{NDF}: 200061.3/18$

-121.094 ± 0.077 $\chi^2/\text{NDF}: 192020.5/20$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 141.803 $\pm$ 1.055 χ^2 /NDF: 0.0/16

Left Out: 144.655 $\pm$ 2.917 χ^2 /NDF: 0.8/1

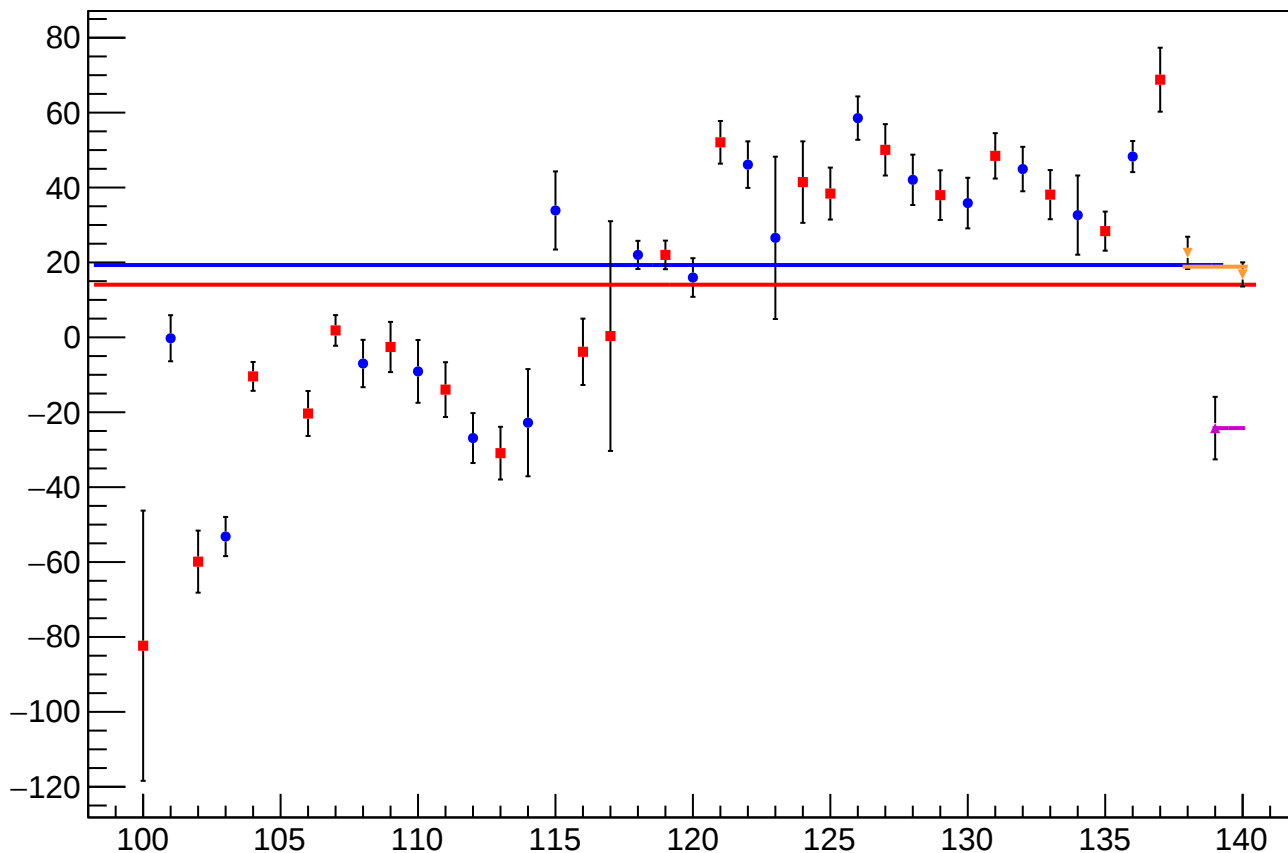
Right Out: 141.803 $\pm$ 0.973 χ^2 /NDF: 0.0/19

Left In: 214.181 $\pm$ 4.657 χ^2 /NDF: 0.0/0

142.133 $\pm$ 0.992 χ^2 /NDF: 1.6/18

144.831 $\pm$ 0.952 χ^2 /NDF: 231.5/20

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308+/-1.500 χ^2 /NDF: 441.3/16

Left Out: 18.867+/-2.580 χ^2 /NDF:1.1/1

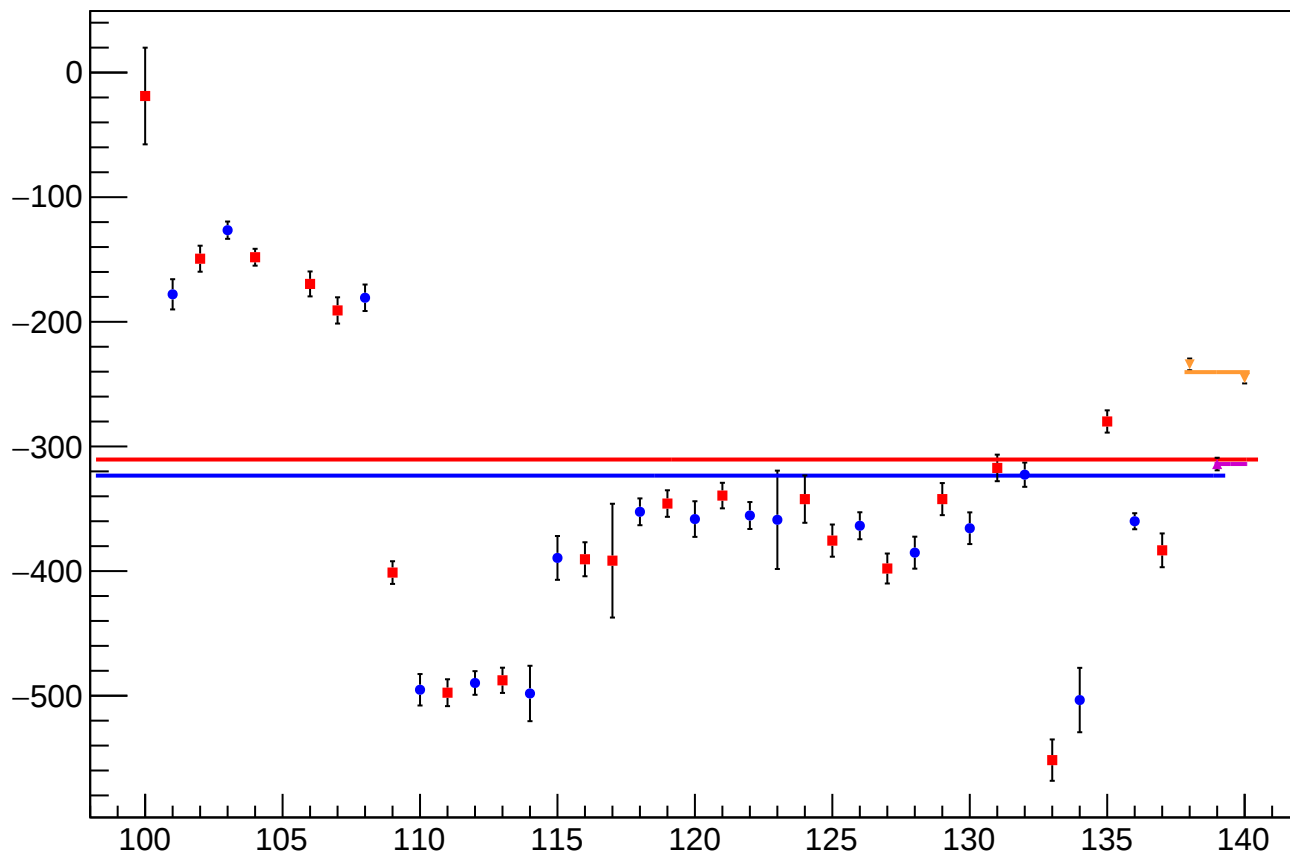
Right Out: 14.055+/-1.388 χ^2 /NDF: 437.1/19

Left In: -24.236+/-8.346 χ^2 /NDF:0.0/0

19.196+/-1.297 χ^2 /NDF: 442.4/18

13.024+/-1.369 χ^2 /NDF: 457.6/20

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -240.365 ± 3.131 χ^2/NDF : 3.1/1

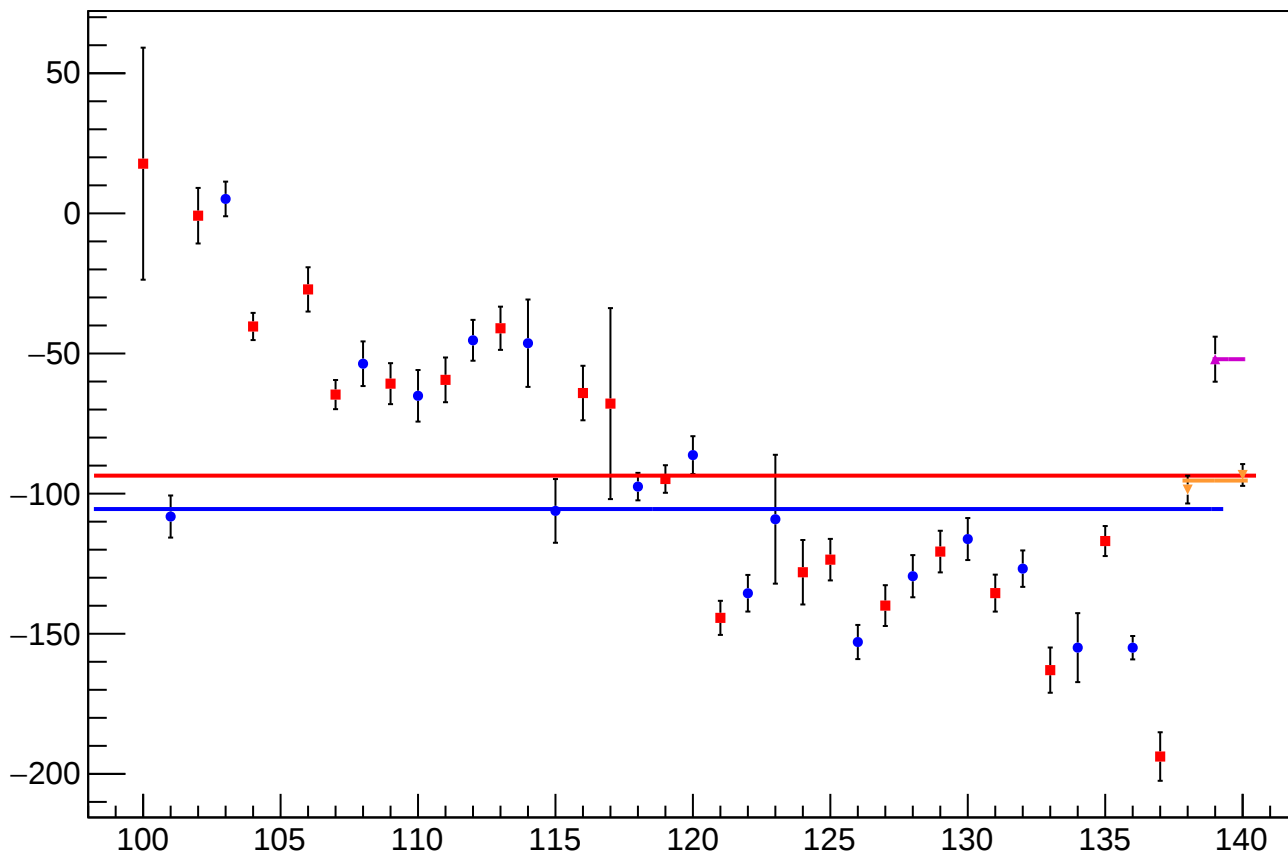
Right Out: -310.484 ± 2.520 χ^2/NDF : 2302.0/19

Left In: -314.105 ± 5.045 χ^2/NDF : 0.0/0

-288.224 ± 2.038 χ^2/NDF : 2258.2/18

-311.207 ± 2.254 χ^2/NDF : 2302.4/20

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -95.333 ± 3.059 χ^2/NDF : 0.7/1

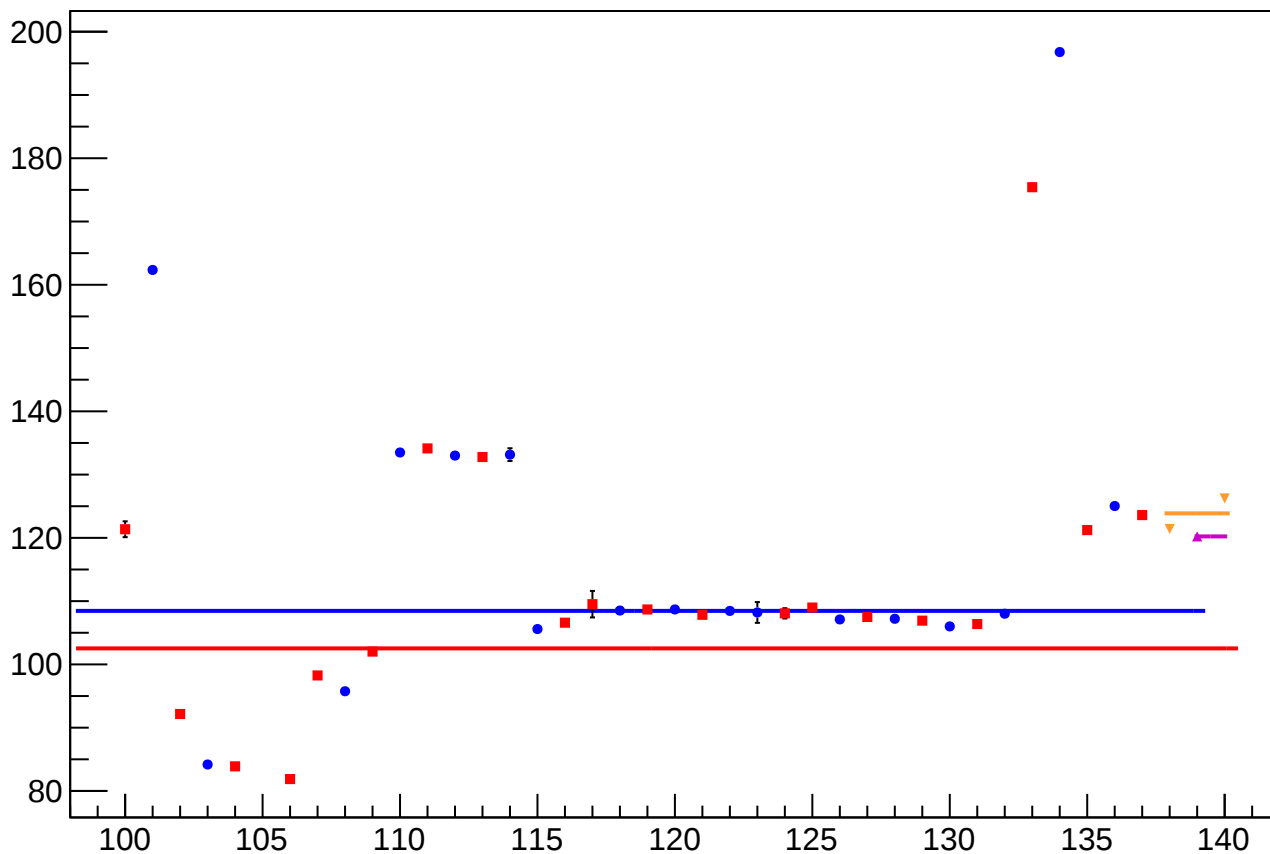
Right Out: -93.579 ± 1.608 χ^2/NDF : 827.7/19

Left In: -52.032 ± 8.031 χ^2/NDF : 0.0/0

-103.073 ± 1.494 χ^2/NDF : 746.4/18

-91.977 ± 1.577 χ^2/NDF : 853.4/20

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 123.873 $\pm$ 0.131 χ^2 /NDF: 339.9/1

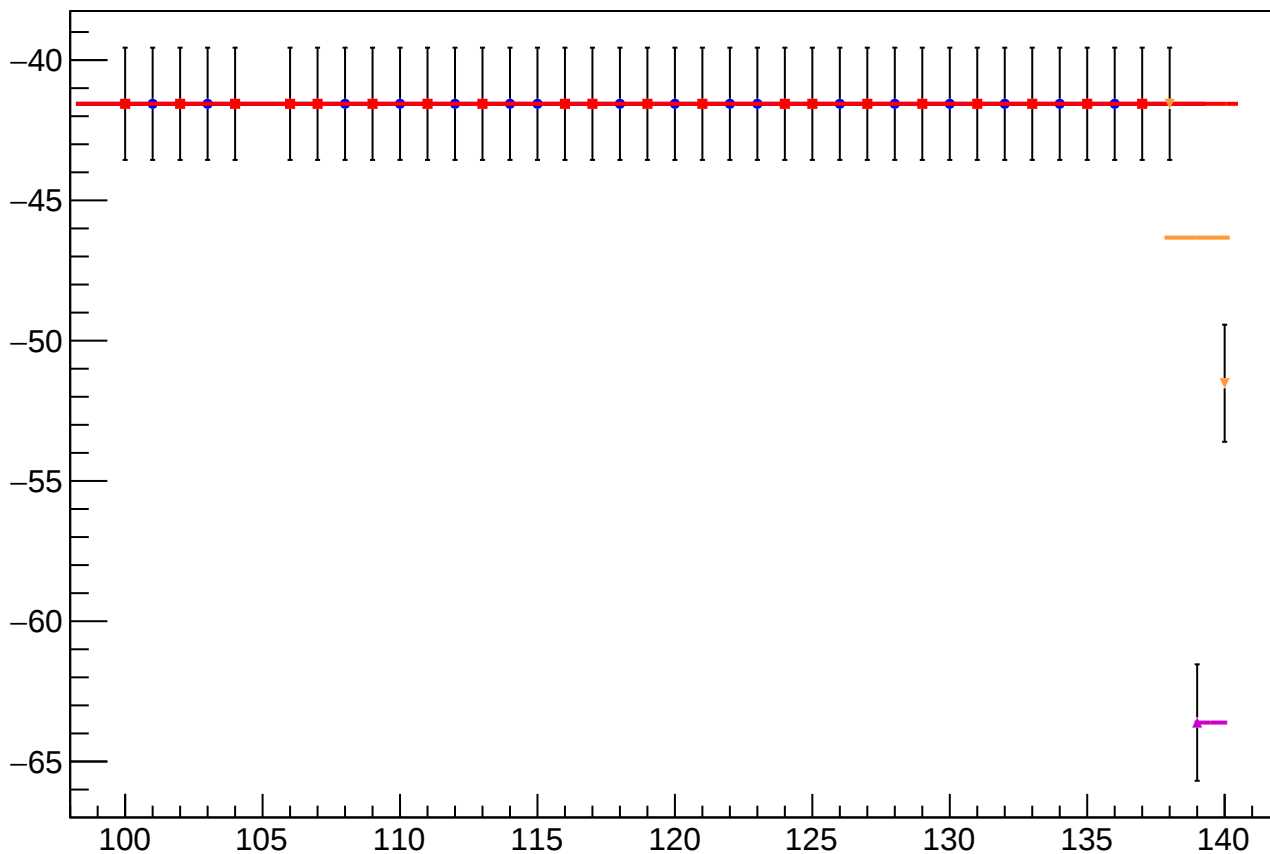
Right Out: 102.532 $\pm$ 0.079 χ^2 /NDF: 53003.2/19

Left In: 120.230 $\pm$ 0.177 χ^2 /NDF: 0.0/0

113.030 $\pm$ 0.071 χ^2 /NDF: 83391.8/18

105.489 $\pm$ 0.073 χ^2 /NDF: 61286.4/20

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -41.558 ± 0.485 χ^2/NDF : 0.0/16

Left Out: -46.327 ± 1.444 χ^2/NDF : 11.9/1

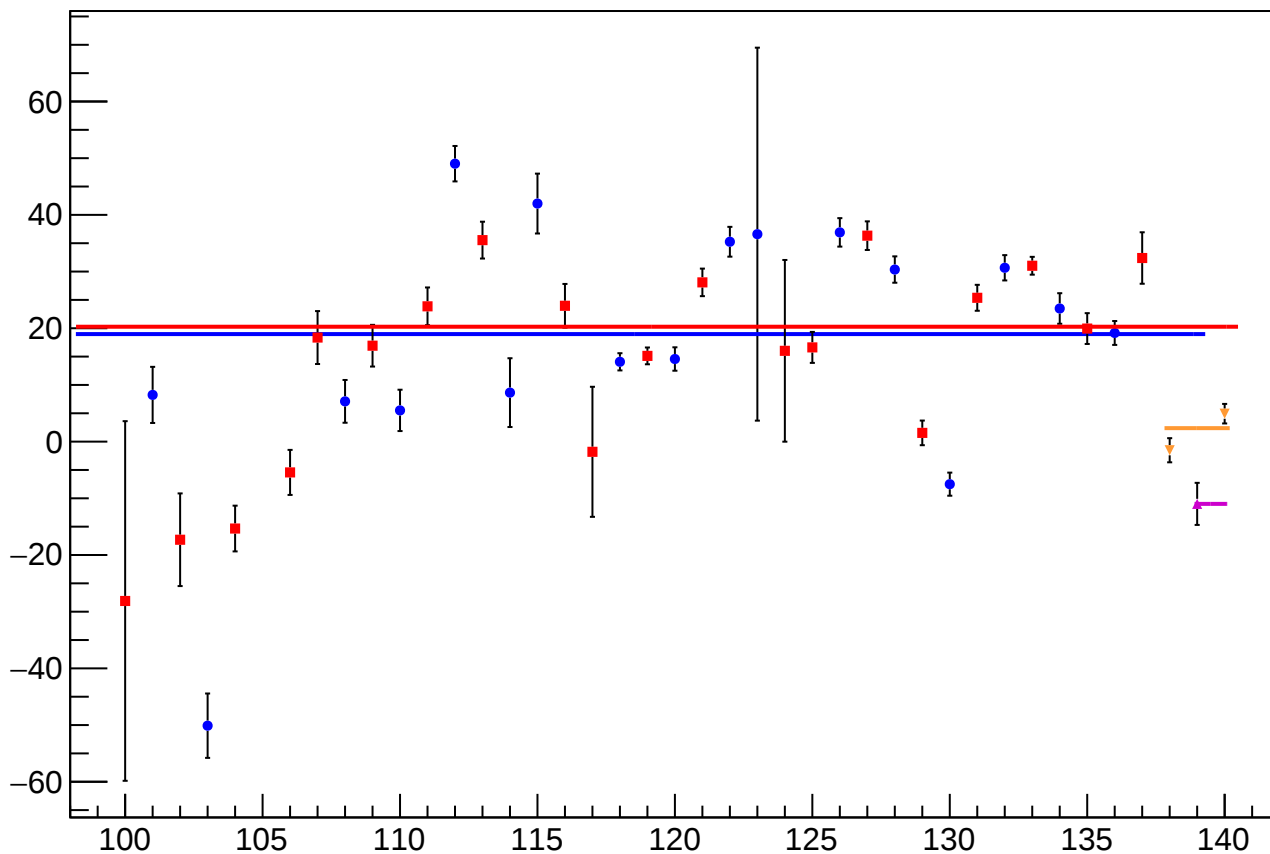
Right Out: -41.558 ± 0.447 χ^2/NDF : 0.0/19

Left In: -63.612 ± 2.076 χ^2/NDF : 0.0/0

-42.042 ± 0.460 χ^2/NDF : 21.7/18

-42.537 ± 0.437 χ^2/NDF : 107.9/20

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 $\pm$ 0.653 χ^2/NDF : 618.4/16

Left Out: 2.377 $\pm$ 1.340 χ^2/NDF : 5.5/1

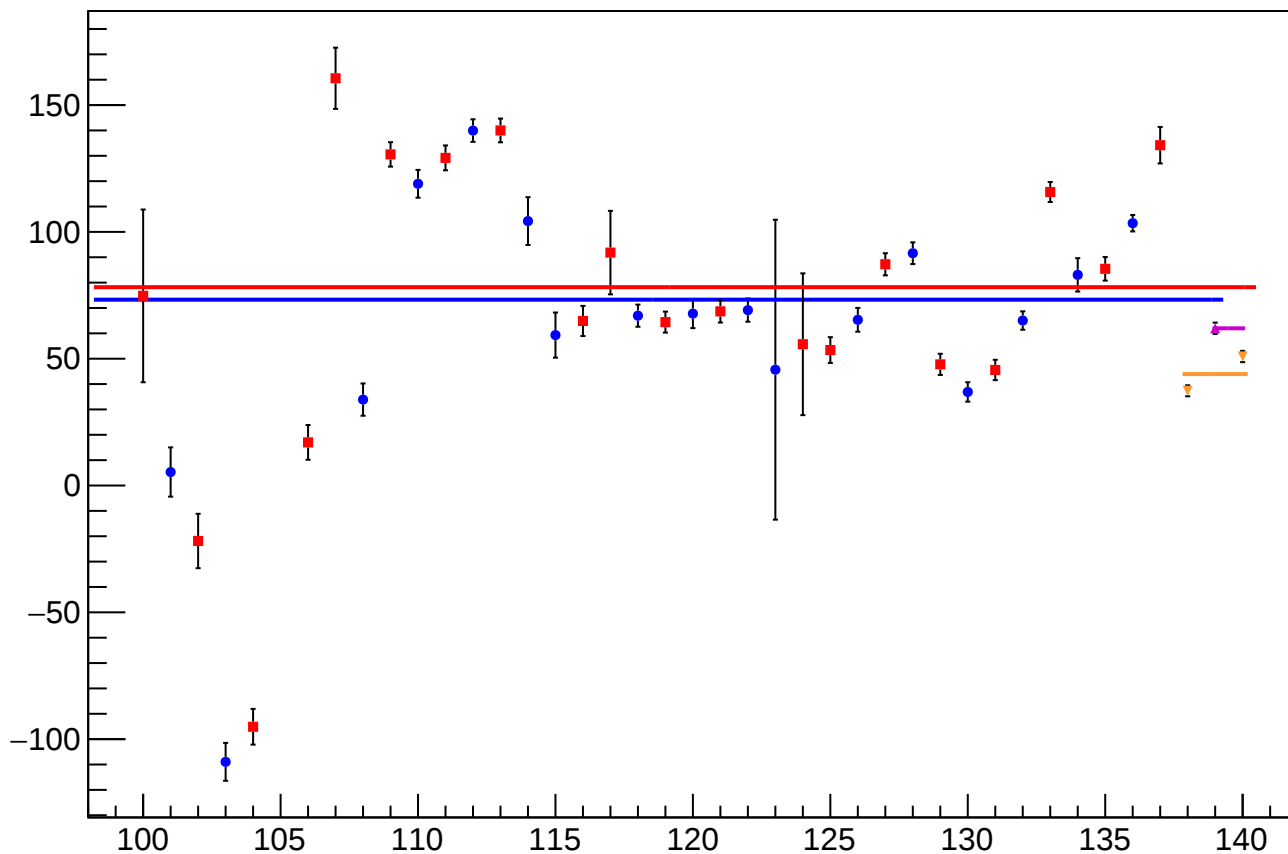
Right Out: 20.269 $\pm$ 0.641 χ^2/NDF : 370.1/19

Left In: -10.983 $\pm$ 3.712 χ^2/NDF : 0.0/0

15.785 $\pm$ 0.587 χ^2/NDF : 747.9/18

19.363 $\pm$ 0.632 χ^2/NDF : 438.9/20

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 43.946 $\pm$ 1.553 χ^2 /NDF:18.9/1

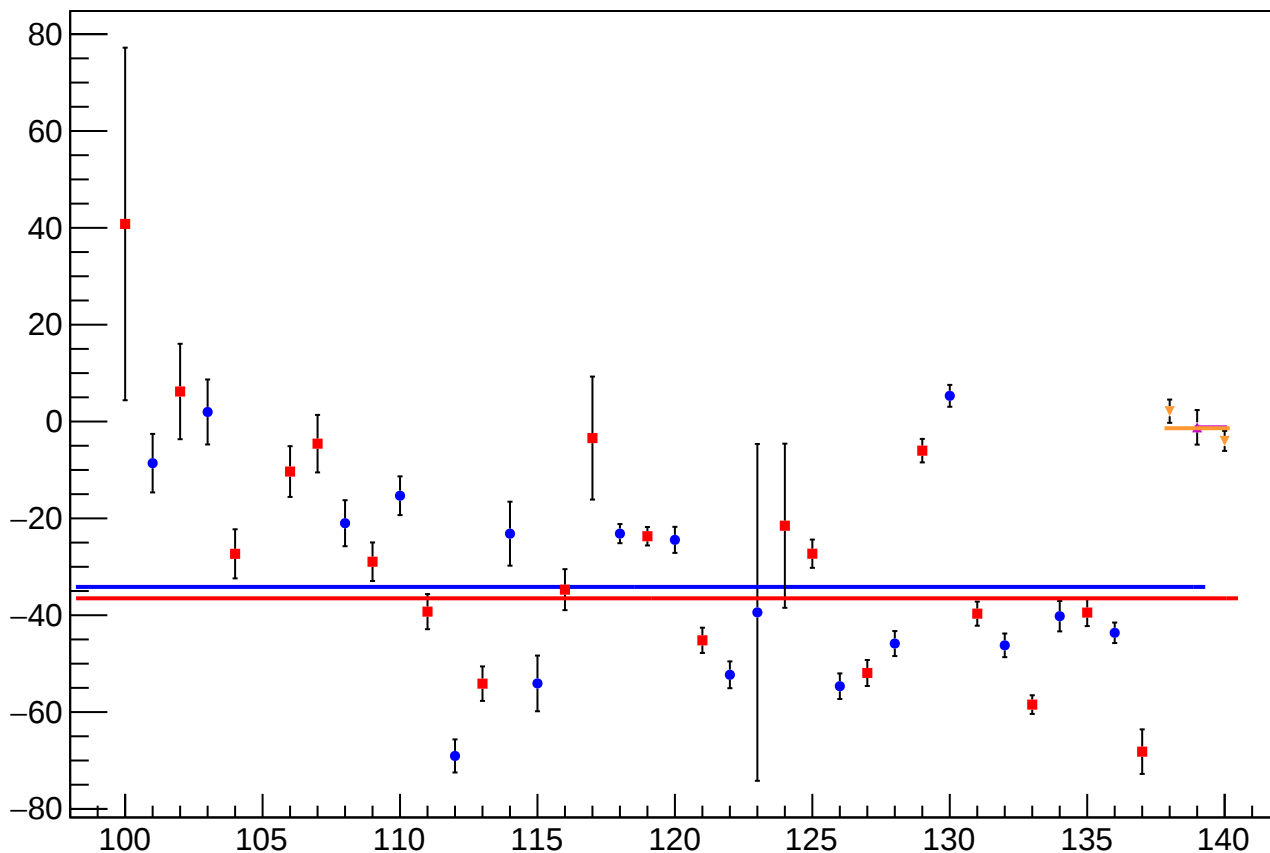
Right Out: 78.205 $\pm$ 1.219 χ^2 /NDF: 1544.0/19

Left In: 61.979 $\pm$ 2.250 χ^2 /NDF:0.0/0

61.898 $\pm$ 0.967 χ^2 /NDF: 1435.9/18

74.522 $\pm$ 1.072 χ^2 /NDF: 1584.2/20

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -1.382 ± 1.568 χ^2/NDF : 3.7/1

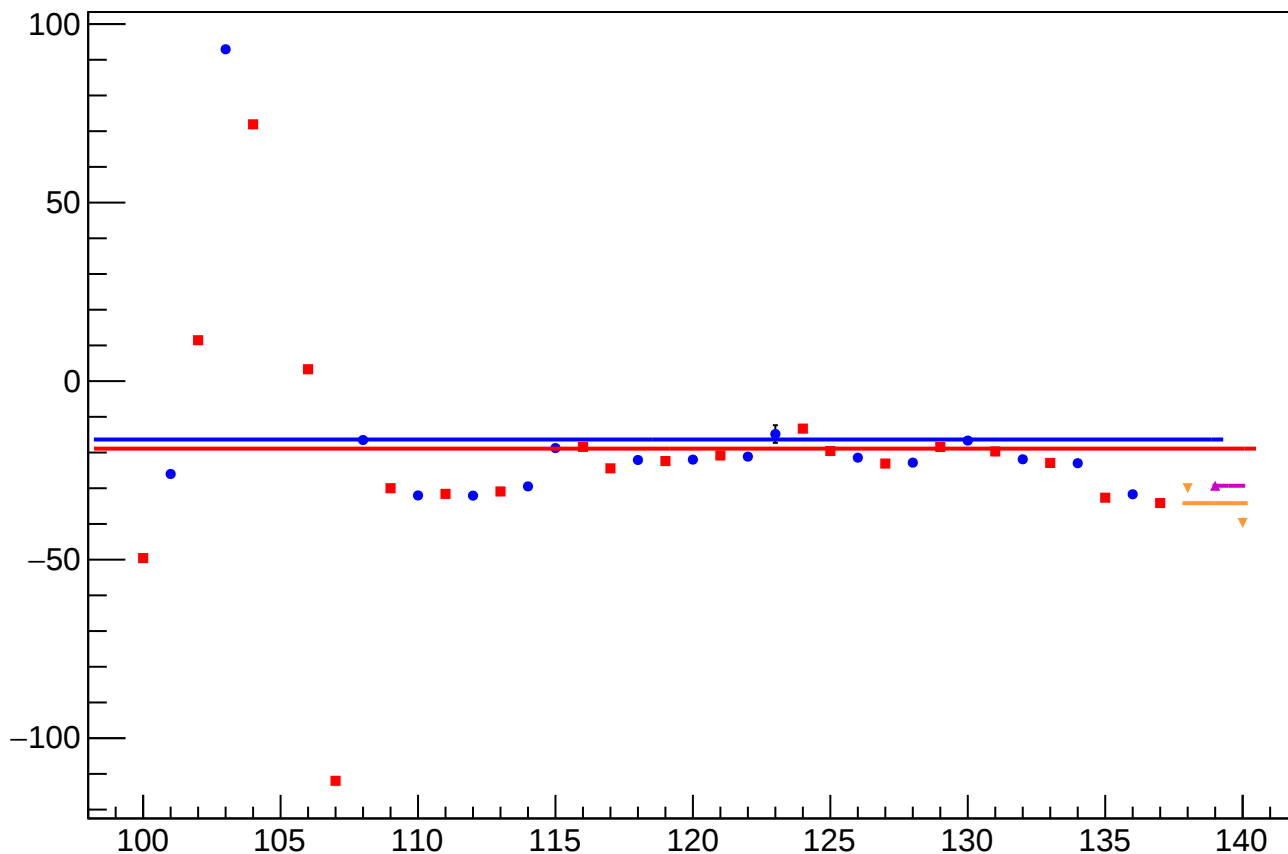
Right Out: -36.507 ± 0.735 χ^2/NDF : 553.8/19

Left In: -1.196 ± 3.571 χ^2/NDF : 0.0/0

-28.117 ± 0.673 χ^2/NDF : 1077.7/18

-35.073 ± 0.719 χ^2/NDF : 647.6/20

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -34.188 ± 0.064 $\chi^2/\text{NDF}: 5722.6/1$

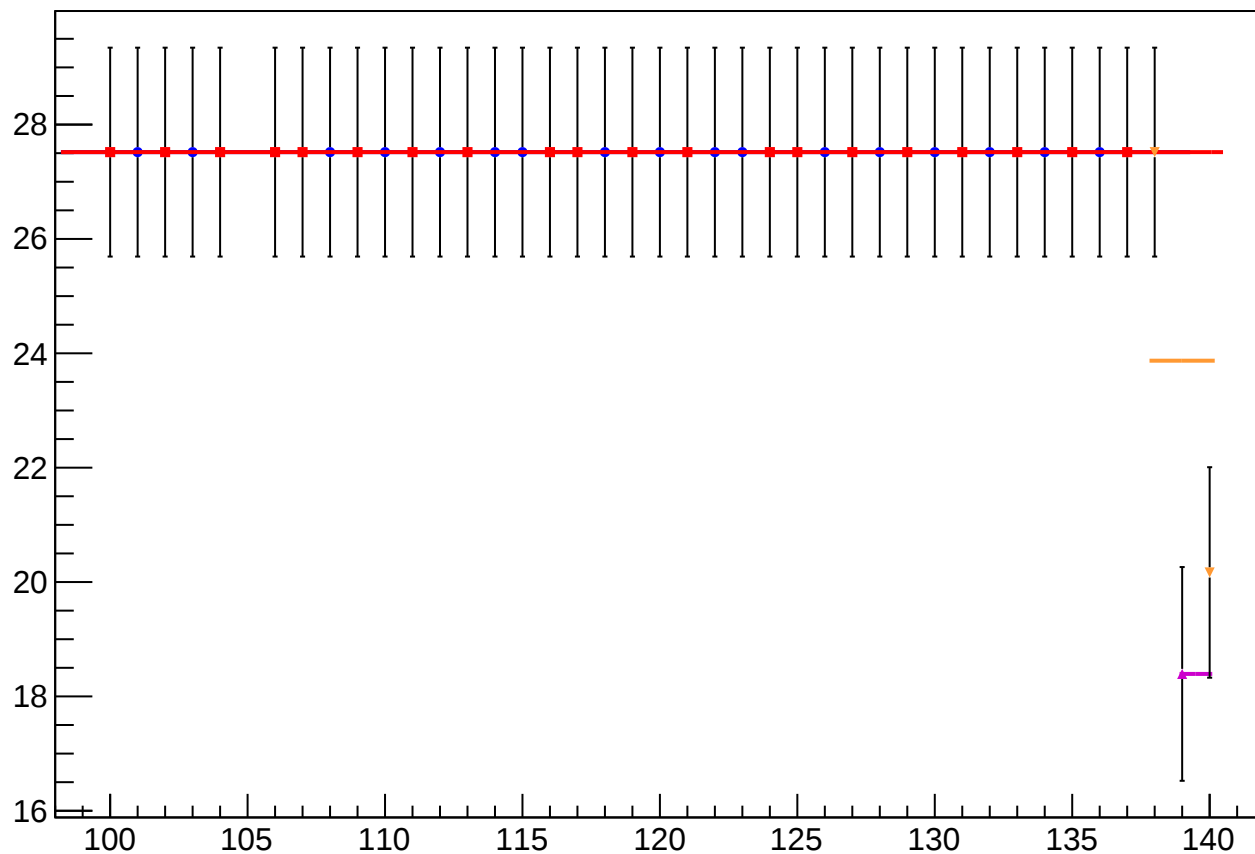
Right Out: -18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

Left In: -29.300 ± 0.079 $\chi^2/\text{NDF}: 0.0/0$

-22.226 ± 0.037 $\chi^2/\text{NDF}: 532521.5/18$

-21.479 ± 0.039 $\chi^2/\text{NDF}: 446926.1/20$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 27.518 $\pm$ 0.443 χ^2 /NDF: 0.0/16

Left Out: 23.871 $\pm$ 1.296 χ^2 /NDF:8.0/1

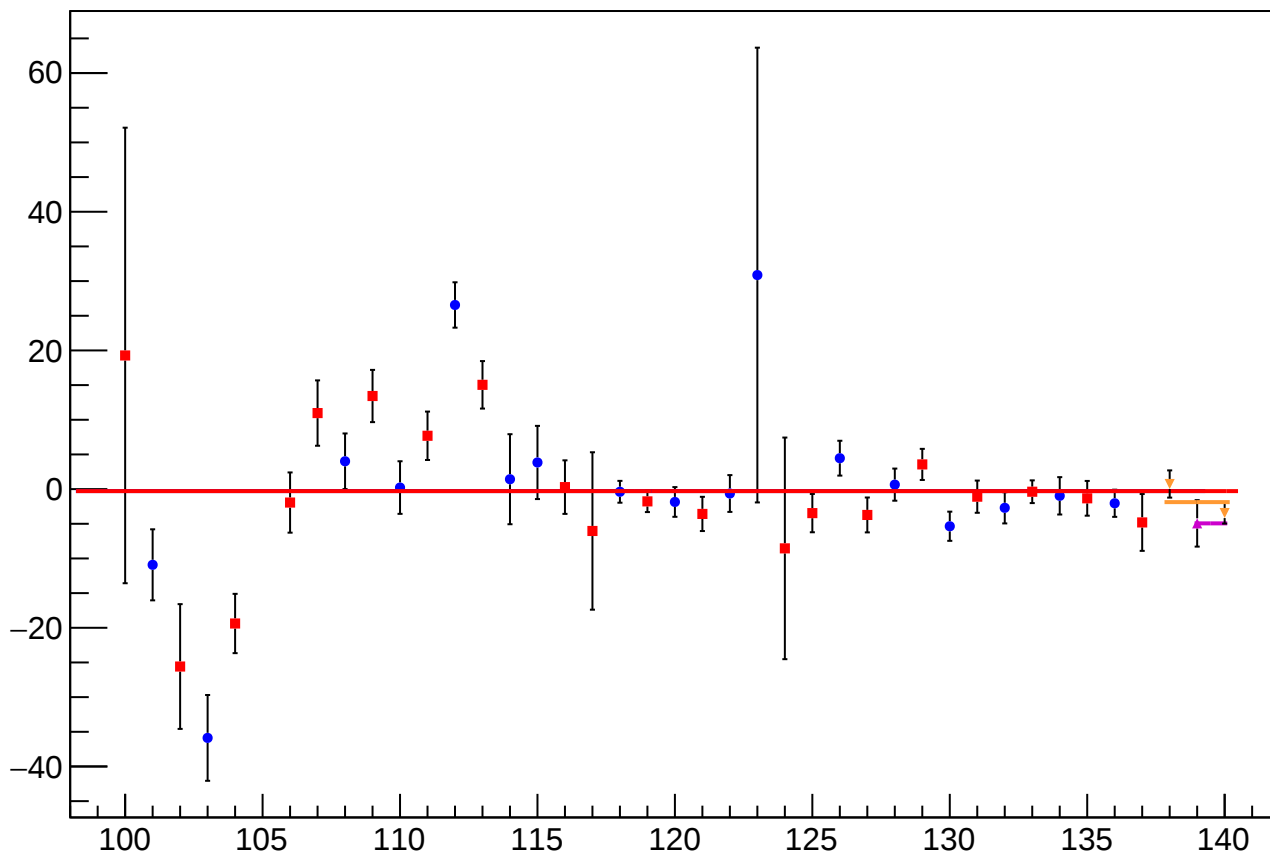
Right Out: 27.518 $\pm$ 0.408 χ^2 /NDF: 0.0/19

Left In: 18.393 $\pm$ 1.869 χ^2 /NDF:0.0/0

27.137 $\pm$ 0.419 χ^2 /NDF: 15.1/18

27.102 $\pm$ 0.399 χ^2 /NDF: 22.8/20

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.875 ± 1.204 χ^2/NDF : 2.8/1

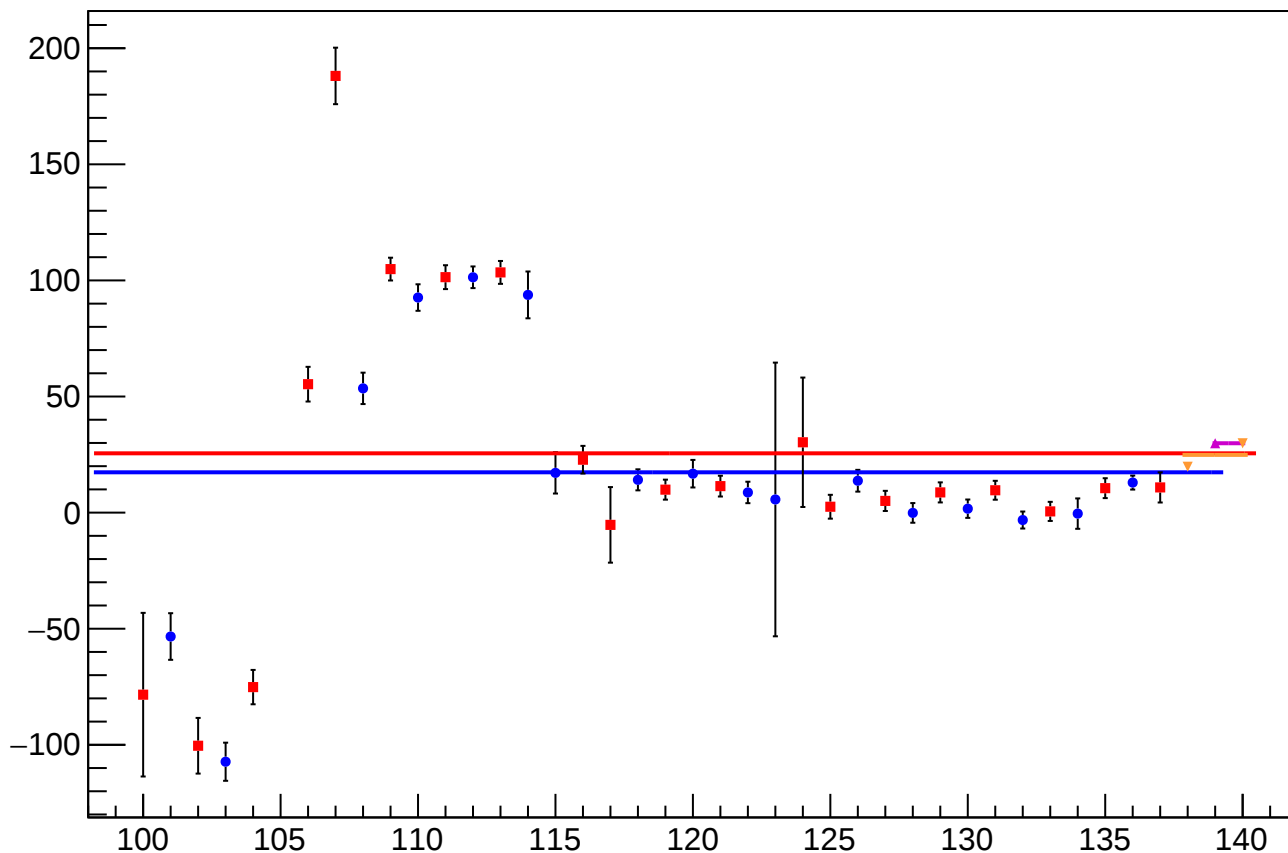
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: -4.941 ± 3.352 χ^2/NDF : 0.0/0

-0.651 ± 0.580 χ^2/NDF : 123.7/18

-0.460 ± 0.643 χ^2/NDF : 85.3/20

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 24.860+/-1.394 χ^2/NDF : 13.1/1

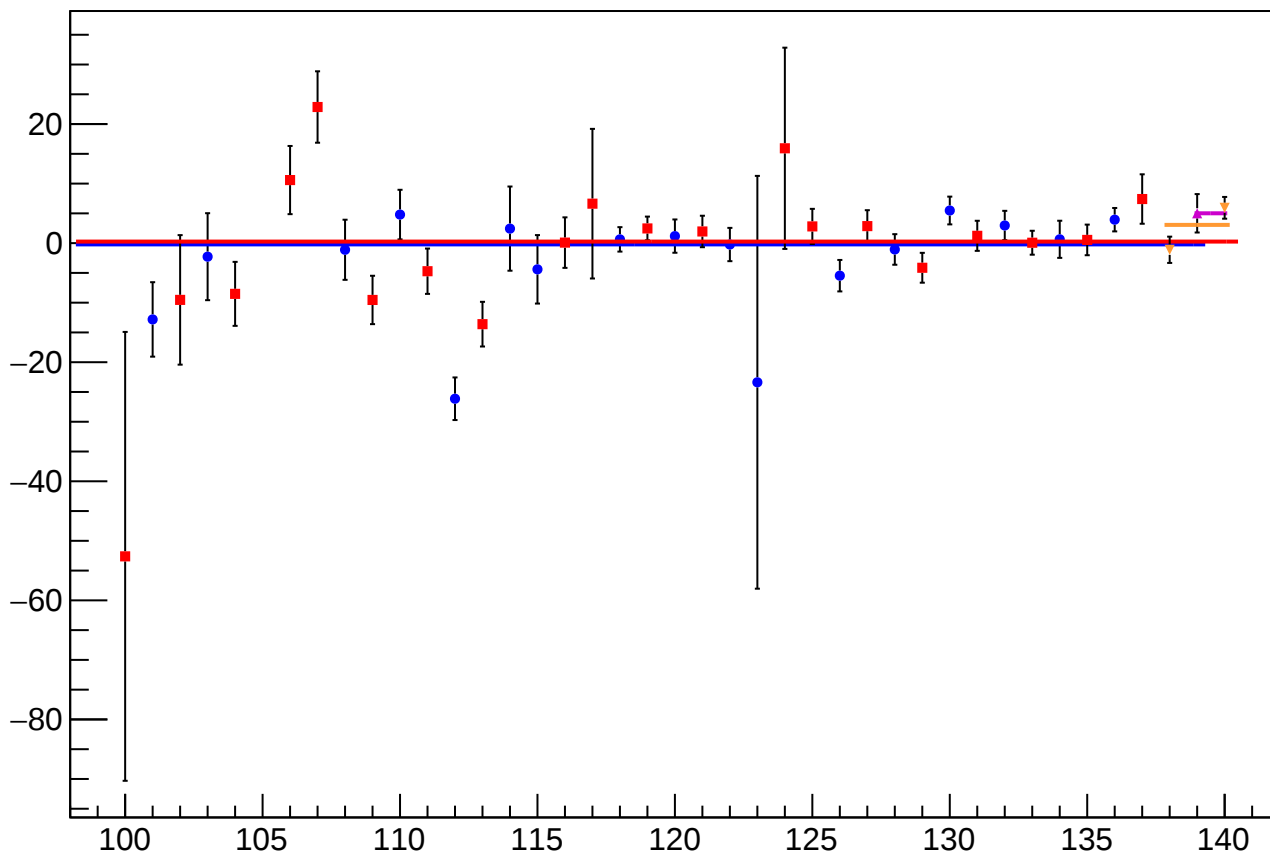
Right Out: 25.537+/-1.239 χ^2/NDF : 1382.4/19

Left In: 29.875+/-2.025 χ^2/NDF : 0.0/0

20.695+/-0.929 χ^2/NDF : 972.2/18

26.720+/-1.057 χ^2/NDF : 1385.8/20

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 3.064 ± 1.407 χ^2/NDF : 6.1/1

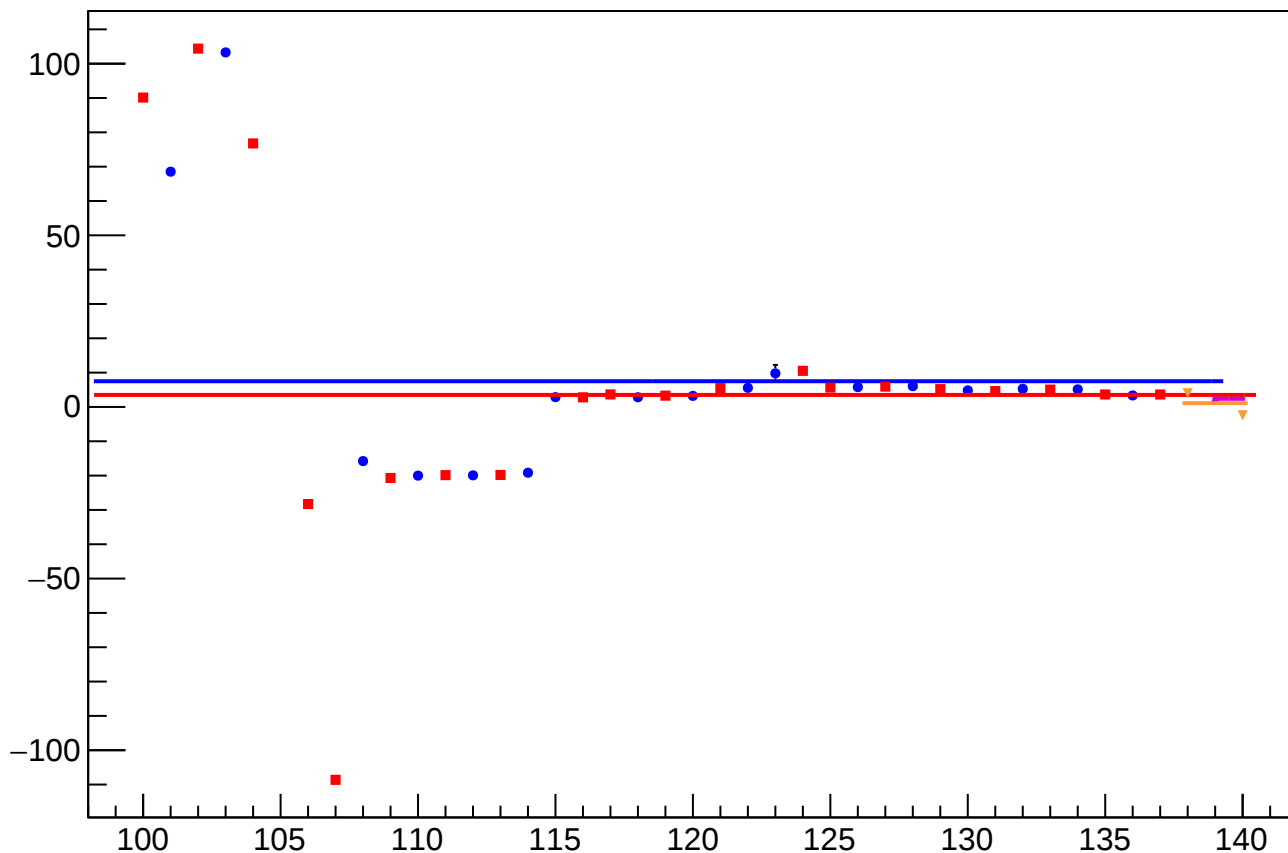
Right Out: 0.262 ± 0.747 χ^2/NDF : 54.8/19

Left In: 5.012 ± 3.226 χ^2/NDF : 0.0/0

0.516 ± 0.663 χ^2/NDF : 86.2/18

0.504 ± 0.728 χ^2/NDF : 56.8/20

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 $\pm$ 0.045 χ^2 /NDF: 355979.0/16

Left Out: 1.104 $\pm$ 0.057 χ^2 /NDF: 3135.5/1

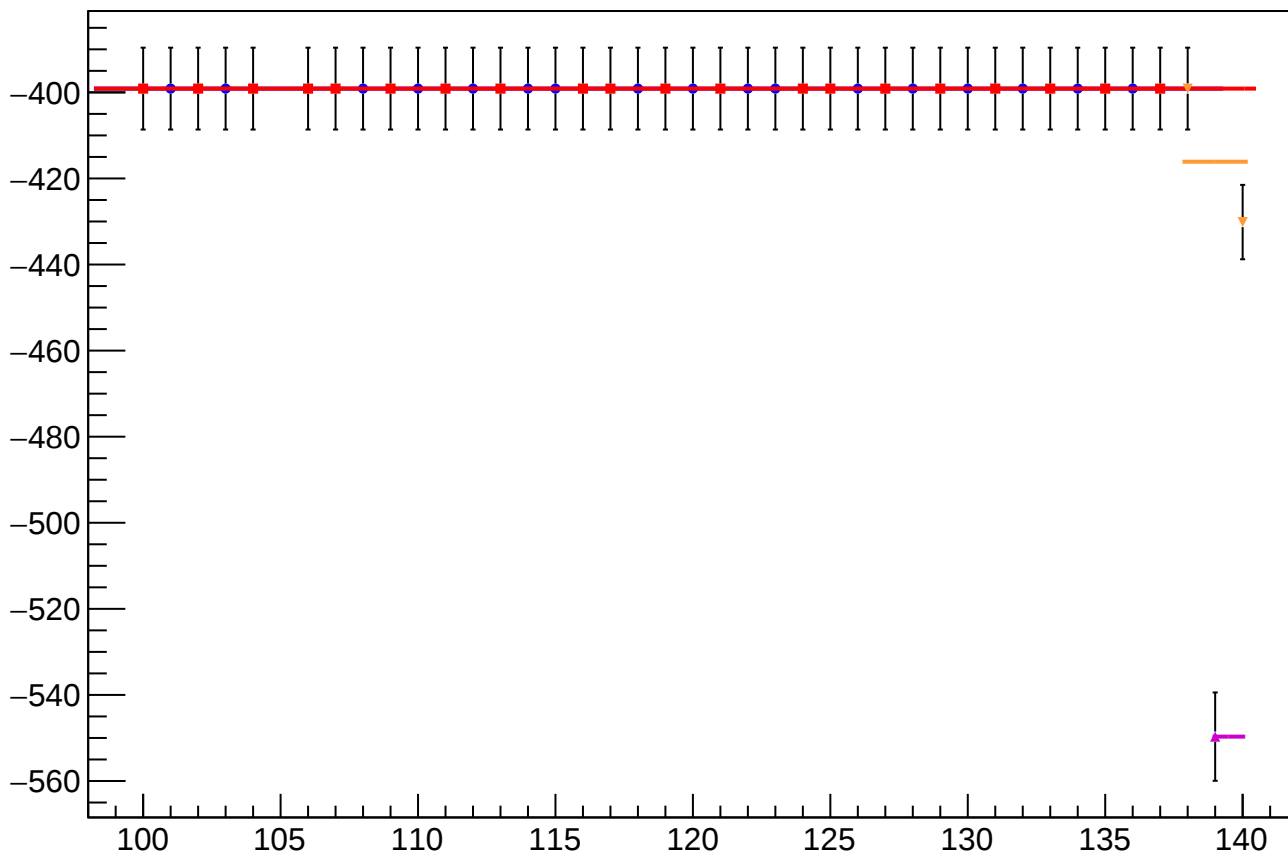
Right Out: 3.504 $\pm$ 0.046 χ^2 /NDF: 510579.5/19

Left In: 2.370 $\pm$ 0.071 χ^2 /NDF: 0.0/0

5.068 $\pm$ 0.035 χ^2 /NDF: 366887.6/18

3.175 $\pm$ 0.038 χ^2 /NDF: 510759.1/20

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -399.124+/-2.307 χ^2/NDF : 0.0/16

Left Out: -416.111+/-6.397 χ^2/NDF : 5.8/1

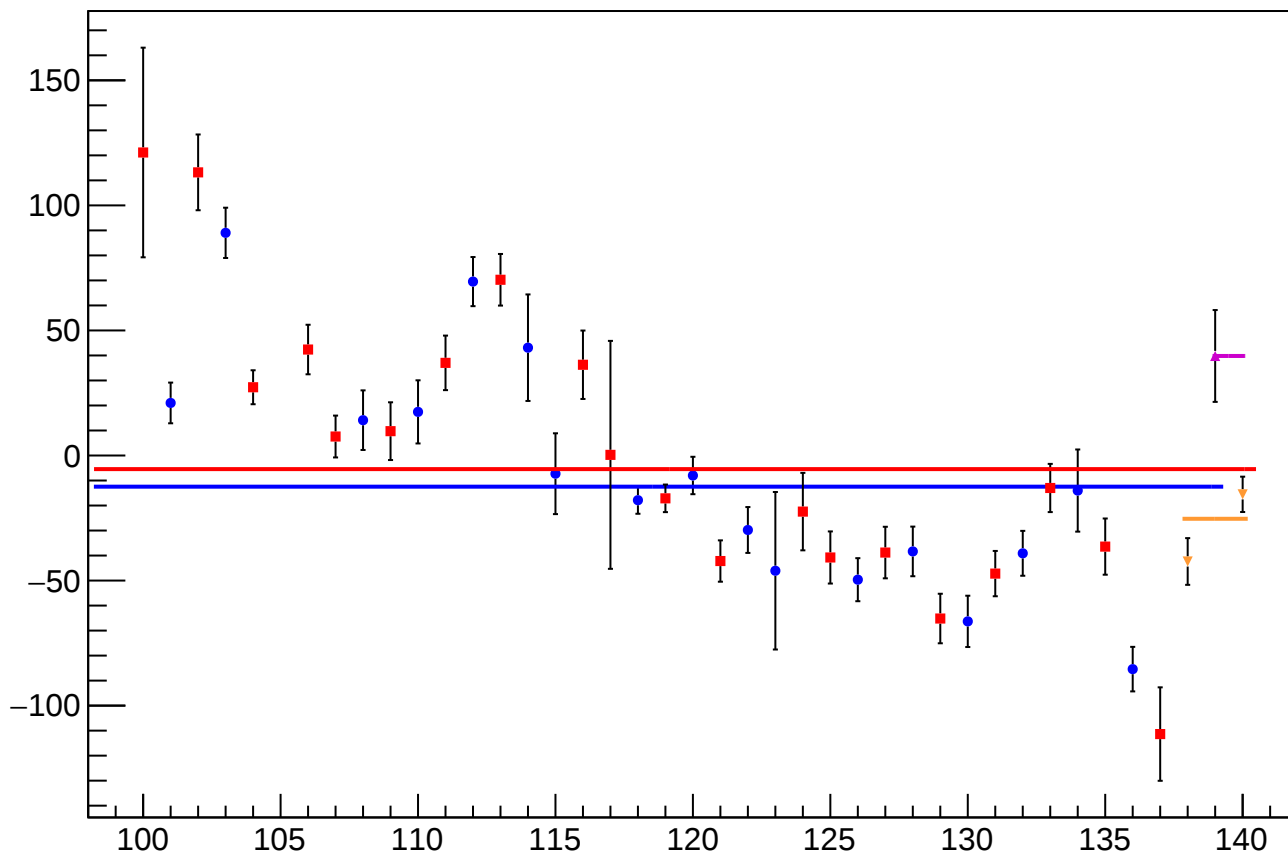
Right Out: -399.124+/-2.127 χ^2/NDF : 0.0/19

Left In: -549.690+/-10.263 χ^2/NDF : 0.0/0

-401.079+/-2.170 χ^2/NDF : 12.1/18

-405.324+/-2.083 χ^2/NDF : 206.4/20

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: -25.300 ± 5.635 χ^2/NDF : 5.3/1

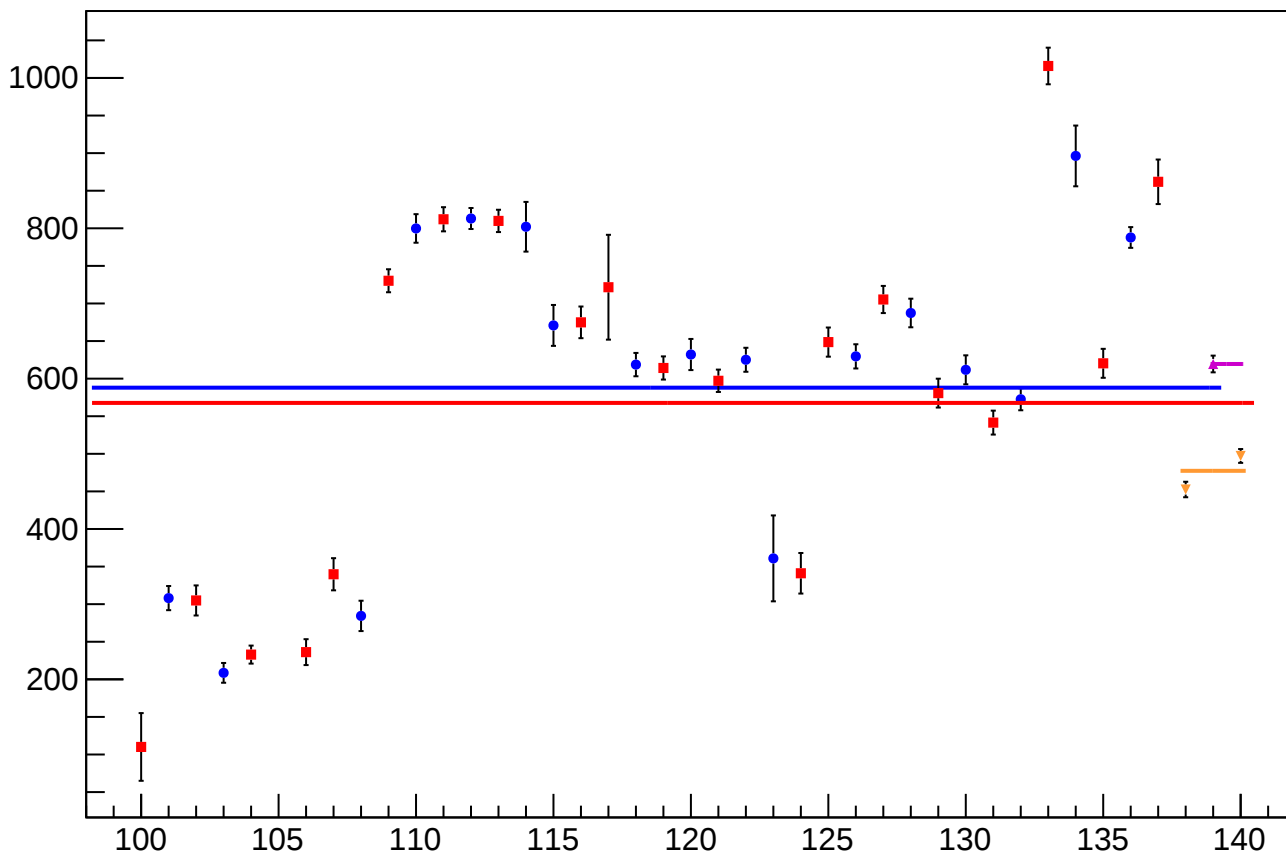
Right Out: -5.439 ± 2.256 χ^2/NDF : 345.0/19

Left In: 39.798 ± 18.358 χ^2/NDF : 0.0/0

-14.358 ± 2.168 χ^2/NDF : 350.8/18

-4.766 ± 2.239 χ^2/NDF : 351.0/20

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994+/-4.353 χ^2/NDF : 2129.6/16

Left Out: 477.371+/-6.865 χ^2/NDF :10.4/1

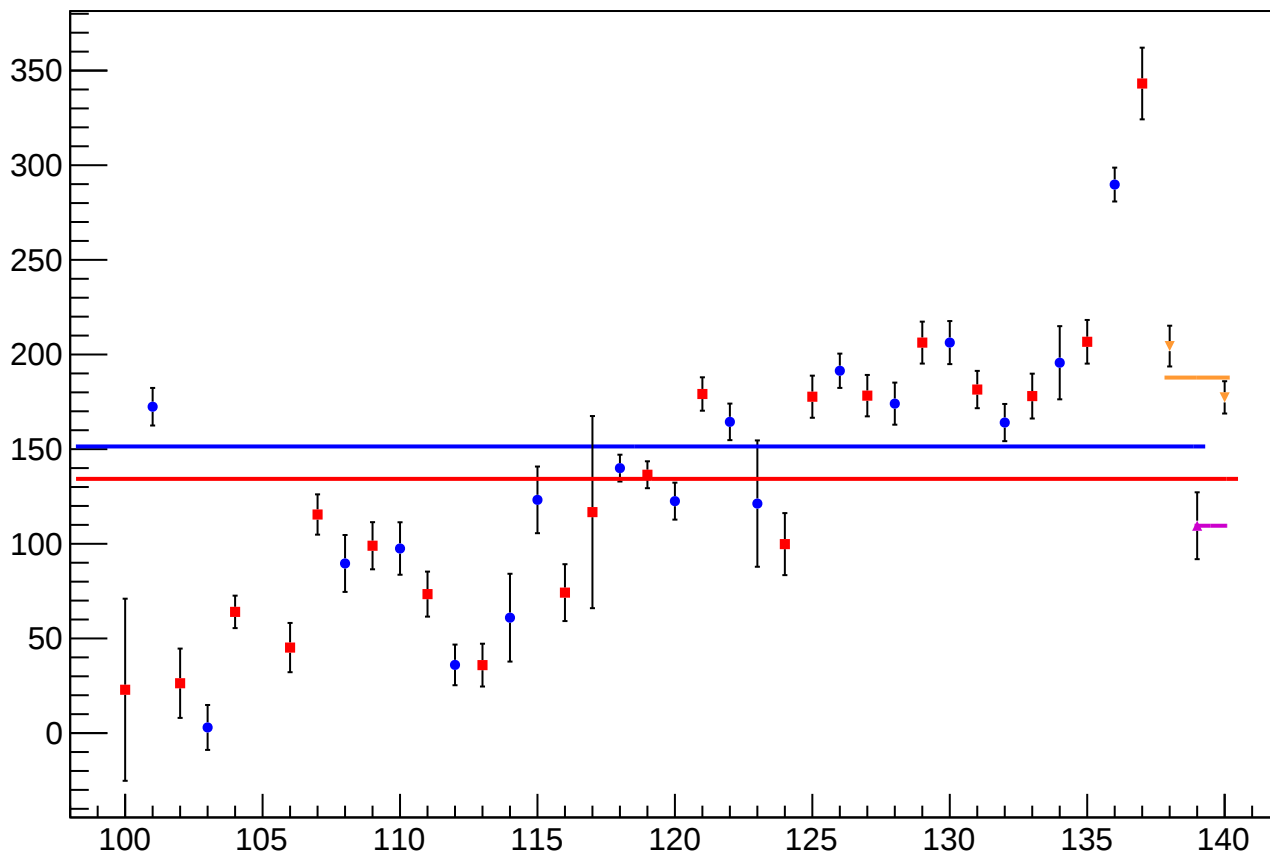
Right Out: 567.720+/-4.129 χ^2/NDF : 2788.1/19

Left In: 619.505+/-11.124 χ^2/NDF :0.0/0

556.275+/-3.676 χ^2/NDF : 2325.3/18

573.991+/-3.871 χ^2/NDF : 2807.1/20

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 187.813 $\pm$ 6.689 χ^2 /NDF: 3.9/1

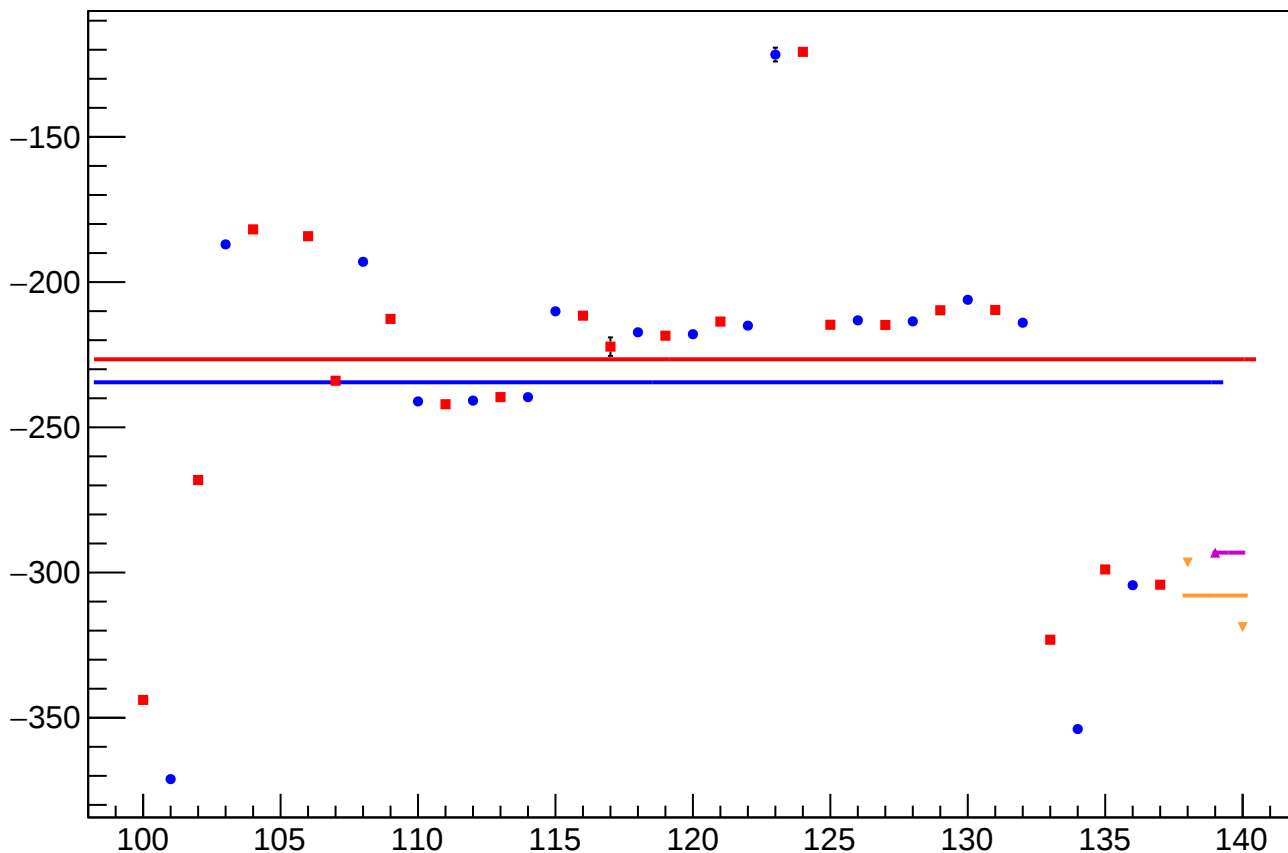
Right Out: 134.299 $\pm$ 2.612 χ^2 /NDF: 585.0/19

Left In: 109.543 $\pm$ 17.662 χ^2 /NDF: 0.0/0

156.550 $\pm$ 2.511 χ^2 /NDF: 662.6/18

133.769 $\pm$ 2.584 χ^2 /NDF: 586.9/20

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -307.912 ± 0.287 $\chi^2/\text{NDF}: 1494.8/1$

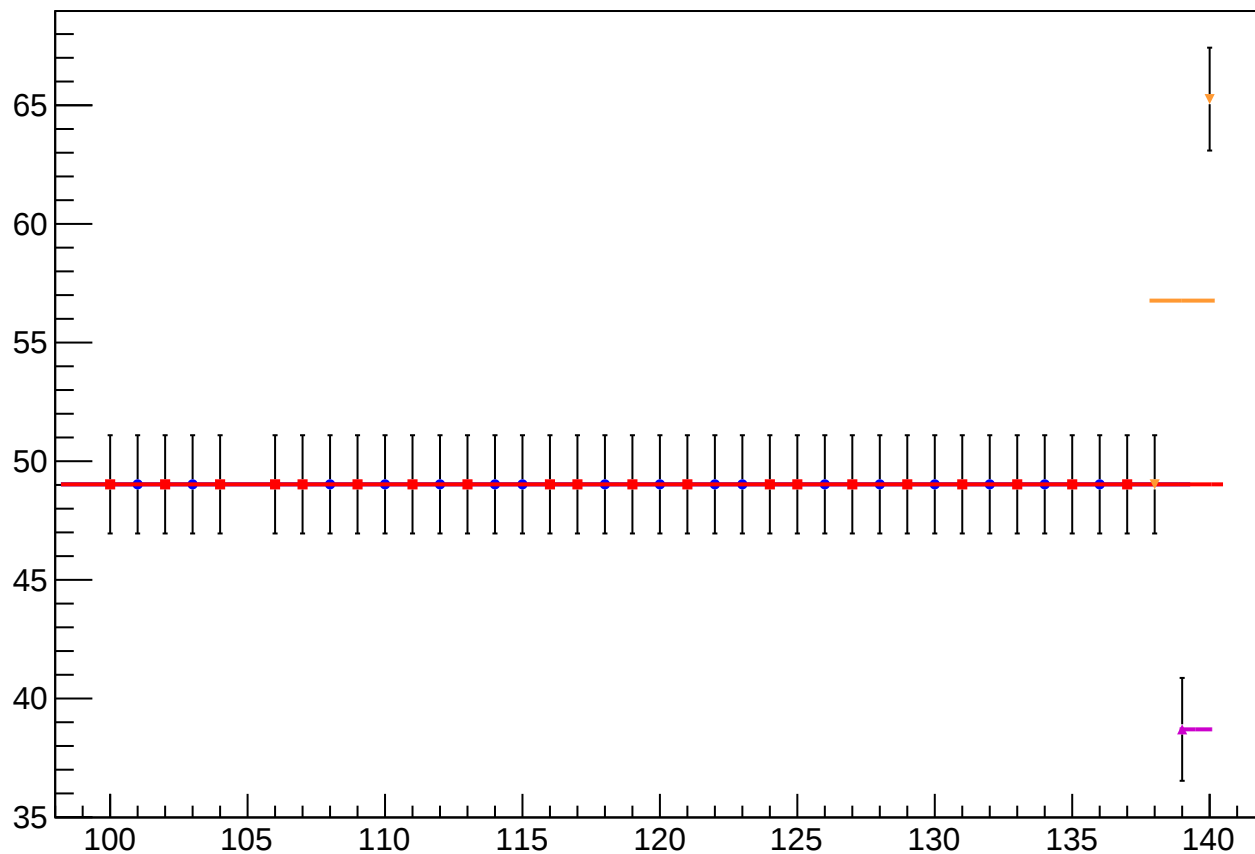
Right Out: -226.572 ± 0.141 $\chi^2/\text{NDF}: 98970.7/19$

Left In: -293.141 ± 0.390 $\chi^2/\text{NDF}: 0.0/0$

-250.054 ± 0.132 $\chi^2/\text{NDF}: 197950.2/18$

-234.287 ± 0.133 $\chi^2/\text{NDF}: 124704.4/20$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: 49.025+/-0.502 χ^2/NDF : 0.0/16

Left Out: 56.768+/-1.497 χ^2/NDF : 29.3/1

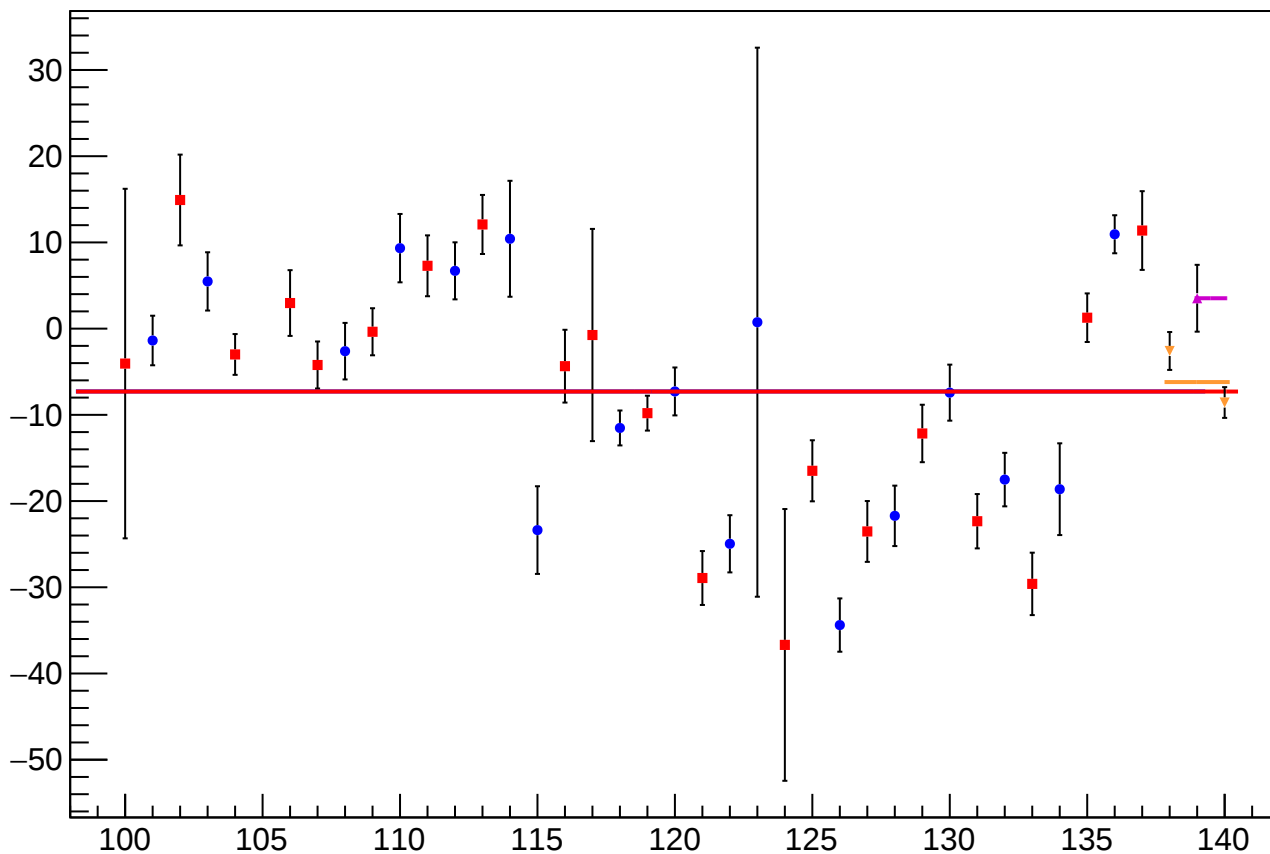
Right Out: 49.025+/-0.463 χ^2/NDF : 0.0/19

Left In: 38.700+/-2.168 χ^2/NDF : 0.0/0

49.808+/-0.476 χ^2/NDF : 53.4/18

48.575+/-0.453 χ^2/NDF : 21.7/20

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -6.196 ± 1.385 χ^2/NDF : 4.5/1

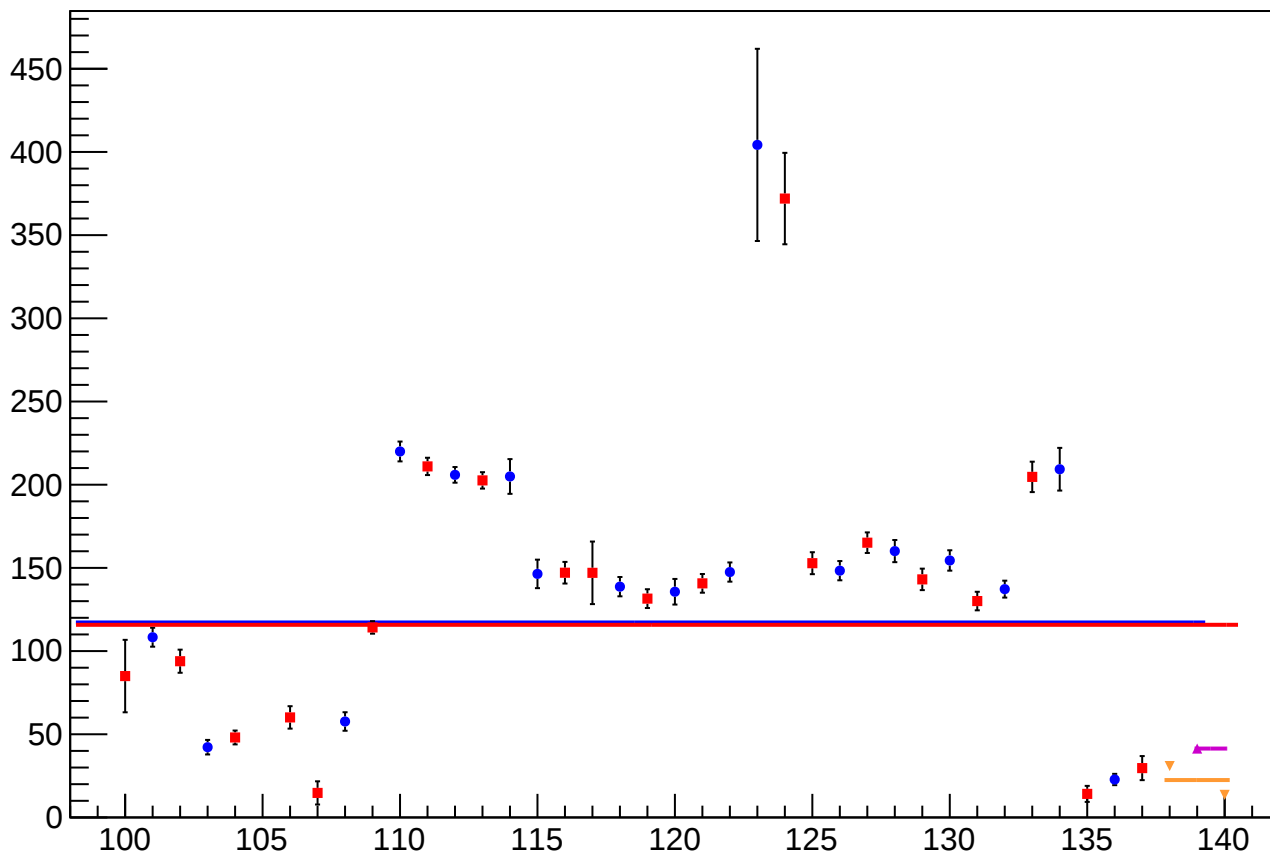
Right Out: -7.298 ± 0.759 χ^2/NDF : 255.6/19

Left In: 3.524 ± 3.876 χ^2/NDF : 0.0/0

-7.018 ± 0.685 χ^2/NDF : 288.1/18

-6.898 ± 0.745 χ^2/NDF : 263.1/20

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 22.482+/-1.610 χ^2/NDF : 28.9/1

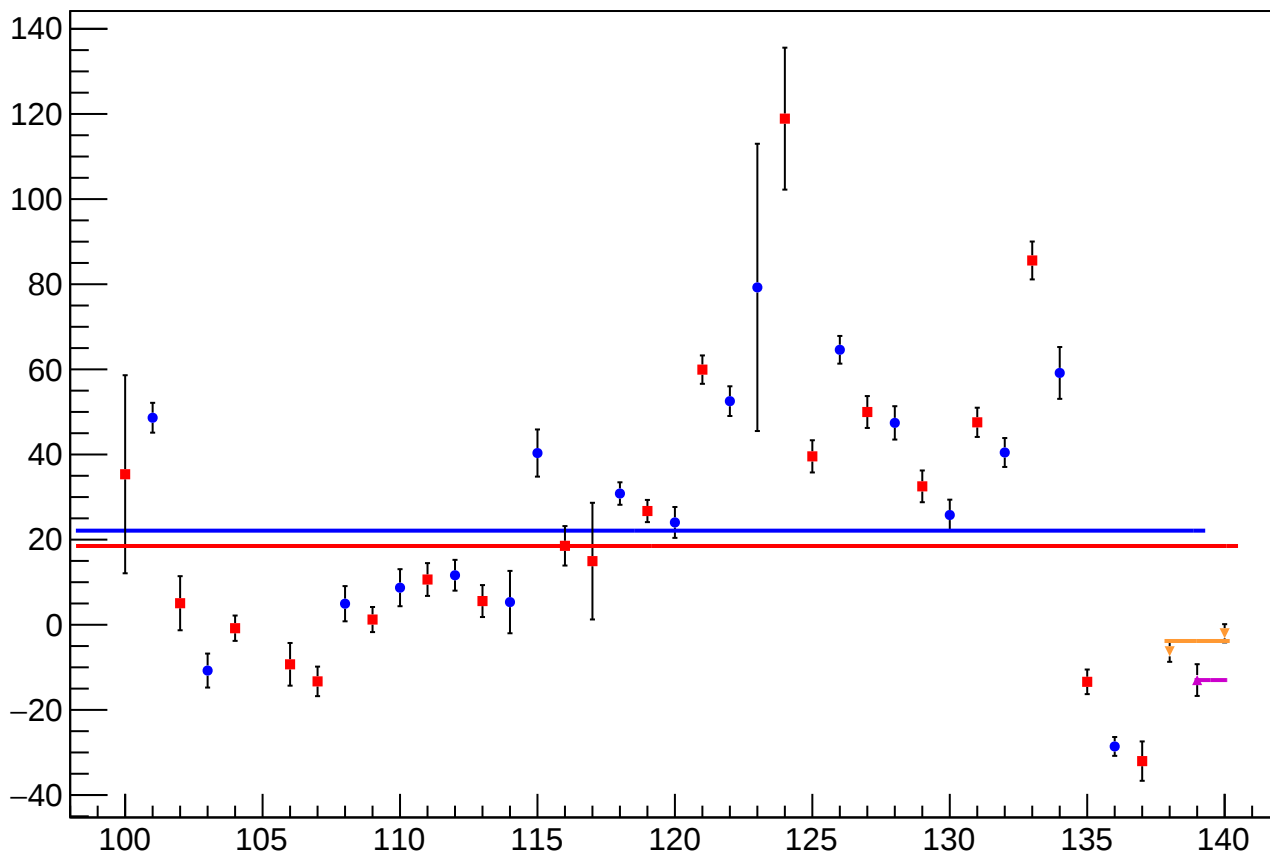
Right Out: 115.795+/-1.357 χ^2/NDF : 2140.4/19

Left In: 41.407+/-2.350 χ^2/NDF : 0.0/0

75.860+/-1.063 χ^2/NDF : 4140.9/18

97.180+/-1.175 χ^2/NDF : 2891.8/20

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -3.810 $\pm$ 1.622 χ^2 /NDF: 1.7/1

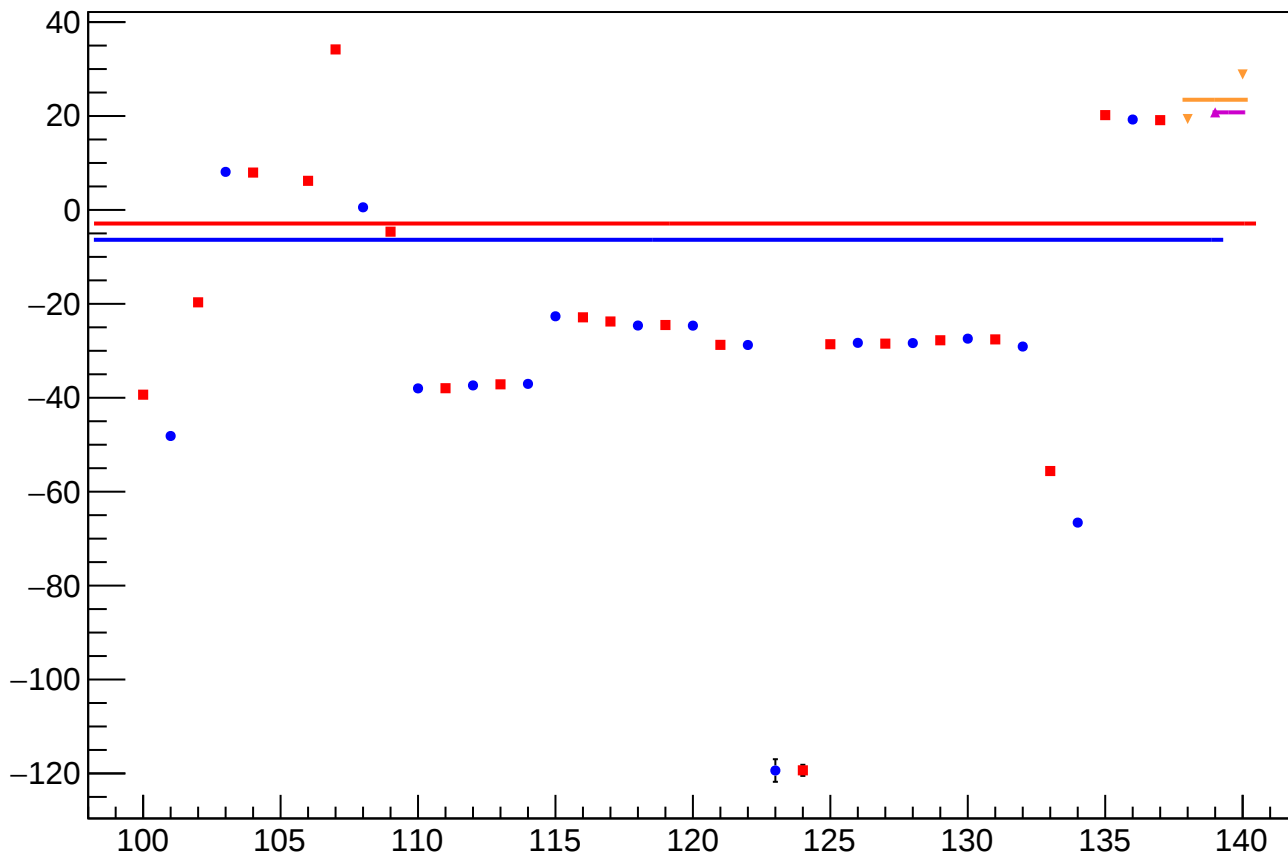
Right Out: 18.506 $\pm$ 0.869 χ^2 /NDF: 1068.6/19

Left In: -12.991 $\pm$ 3.730 χ^2 /NDF: 0.0/0

16.025 $\pm$ 0.786 χ^2 /NDF: 1267.5/18

16.883 $\pm$ 0.847 χ^2 /NDF: 1136.3/20

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360+/-0.046 χ^2/NDF : 264750.9/16

Left Out: 23.463+/-0.066 χ^2/NDF : 5093.8/1

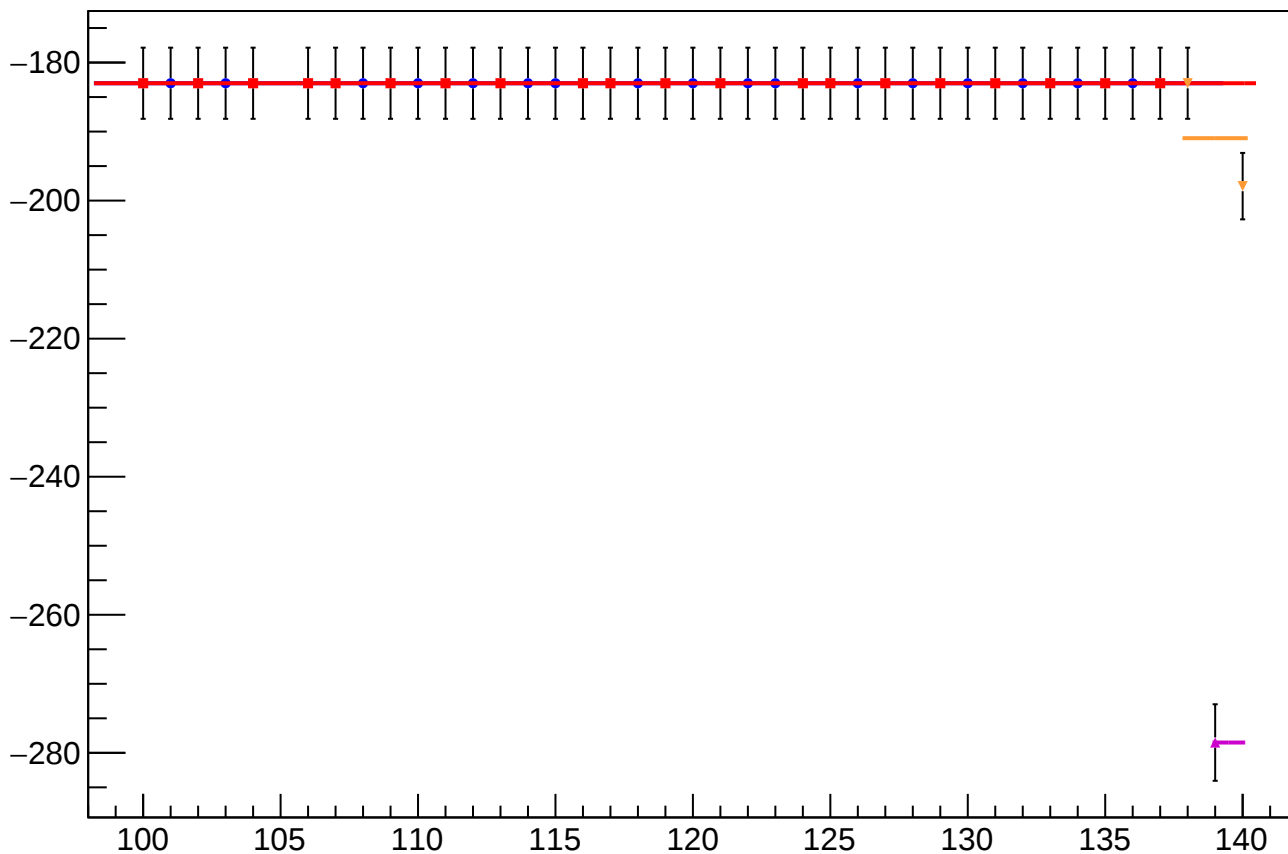
Right Out: -2.896+/-0.046 χ^2/NDF : 266162.6/19

Left In: 20.776+/-0.082 χ^2/NDF : 0.0/0

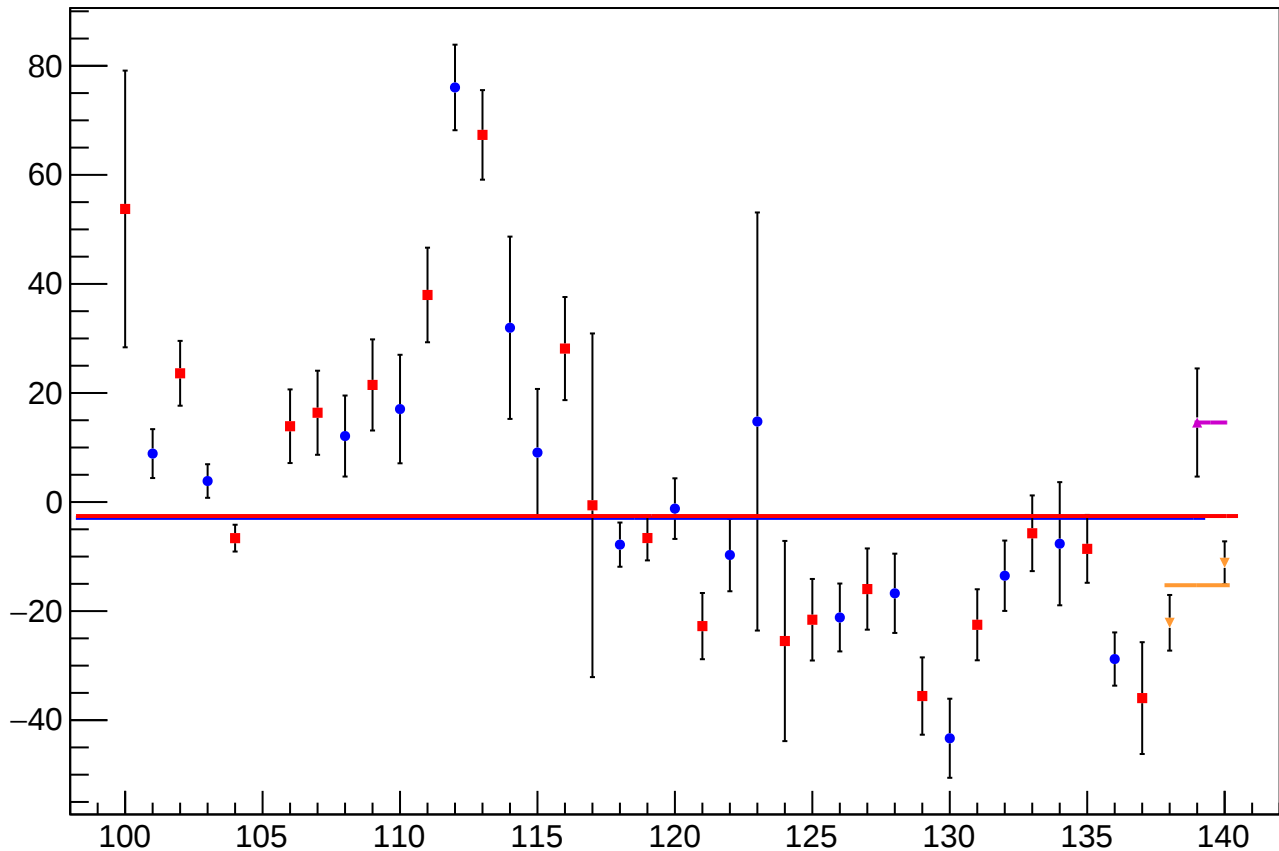
3.498+/-0.038 χ^2/NDF : 406901.7/18

2.681+/-0.040 χ^2/NDF : 329428.7/20

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901+/-1.467 χ^2 /NDF: 203.6/16

Left Out: -15.254+/-3.119 χ^2 /NDF: 2.9/1

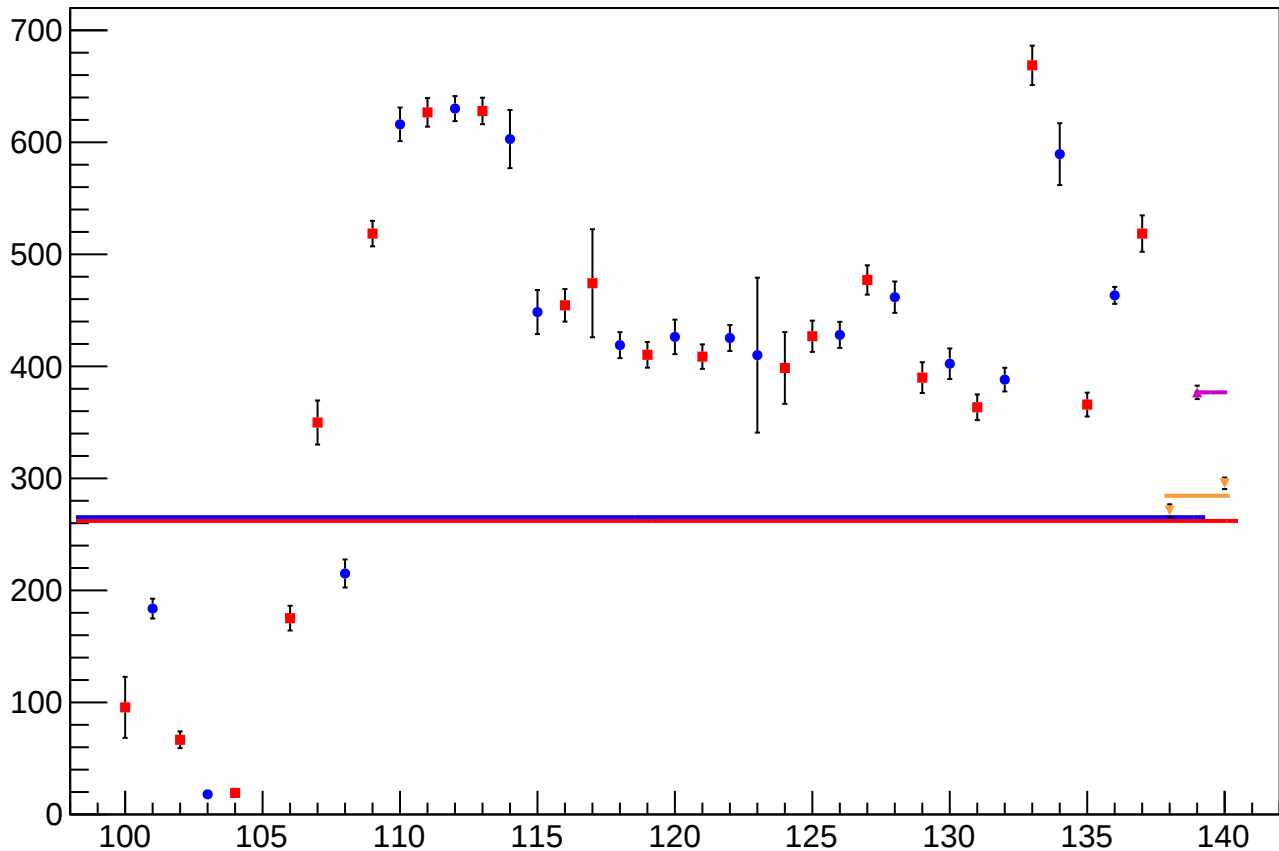
Right Out: -2.566+/-1.395 χ^2 /NDF: 218.2/19

Left In: 14.586+/-9.918 χ^2 /NDF: 0.0/0

-5.139+/-1.328 χ^2 /NDF: 219.3/18

-2.234+/-1.381 χ^2 /NDF: 221.1/20

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369+/-2.488 χ^2/NDF : 7633.8/16

Left Out: 284.473+/-3.777 χ^2/NDF :10.3/1

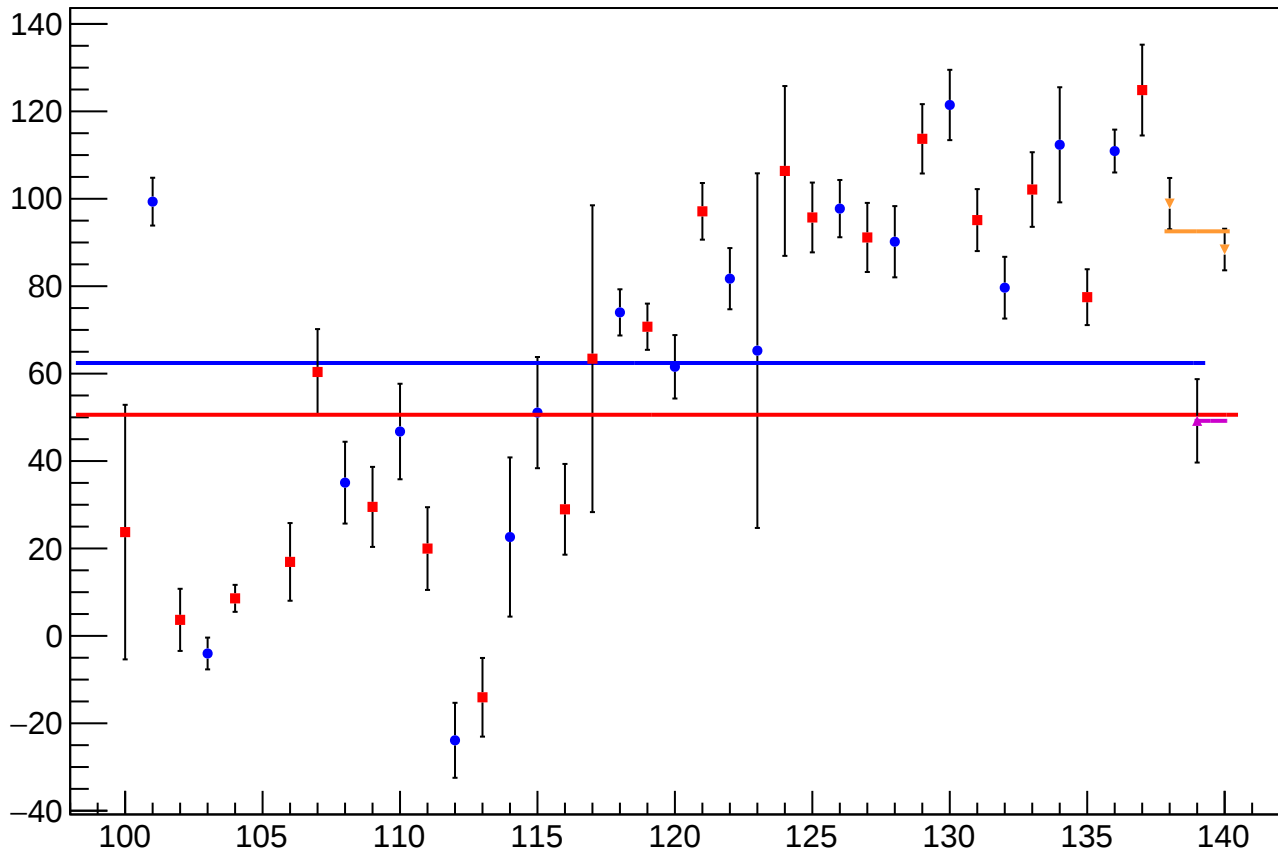
Right Out: 262.016+/-2.455 χ^2/NDF : 8223.7/19

Left In: 376.806+/-6.008 χ^2/NDF :0.0/0

271.150+/-2.078 χ^2/NDF : 7661.9/18

278.435+/-2.272 χ^2/NDF : 8536.5/20

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 92.554+/-3.695 χ^2/NDF : 1.9/1

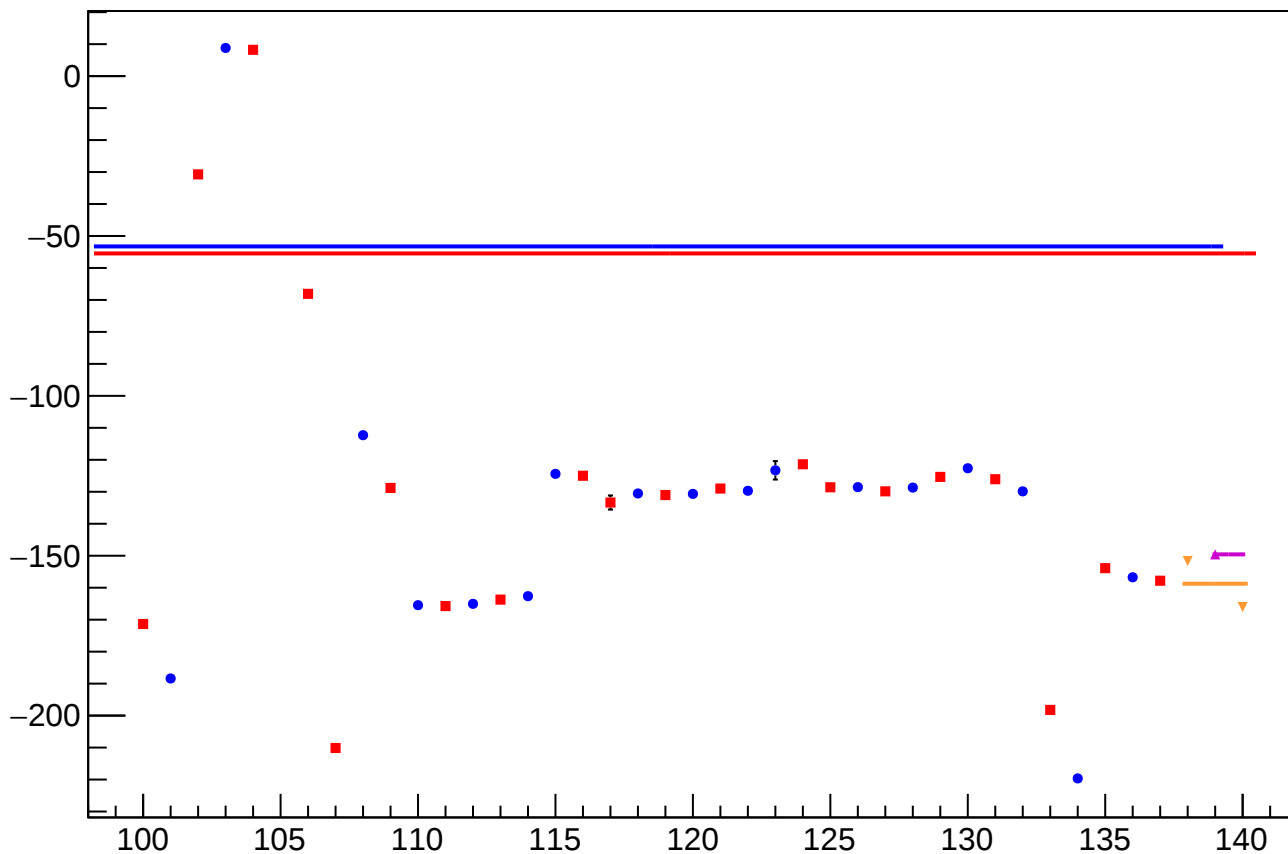
Right Out: 50.588+/-1.640 χ^2/NDF : 657.5/19

Left In: 49.198+/-9.542 χ^2/NDF : 0.0/0

67.664+/-1.540 χ^2/NDF : 778.6/18

50.549+/-1.616 χ^2/NDF : 657.5/20

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -158.754 $\pm$ 0.158 χ^2 /NDF: 2086.4/1

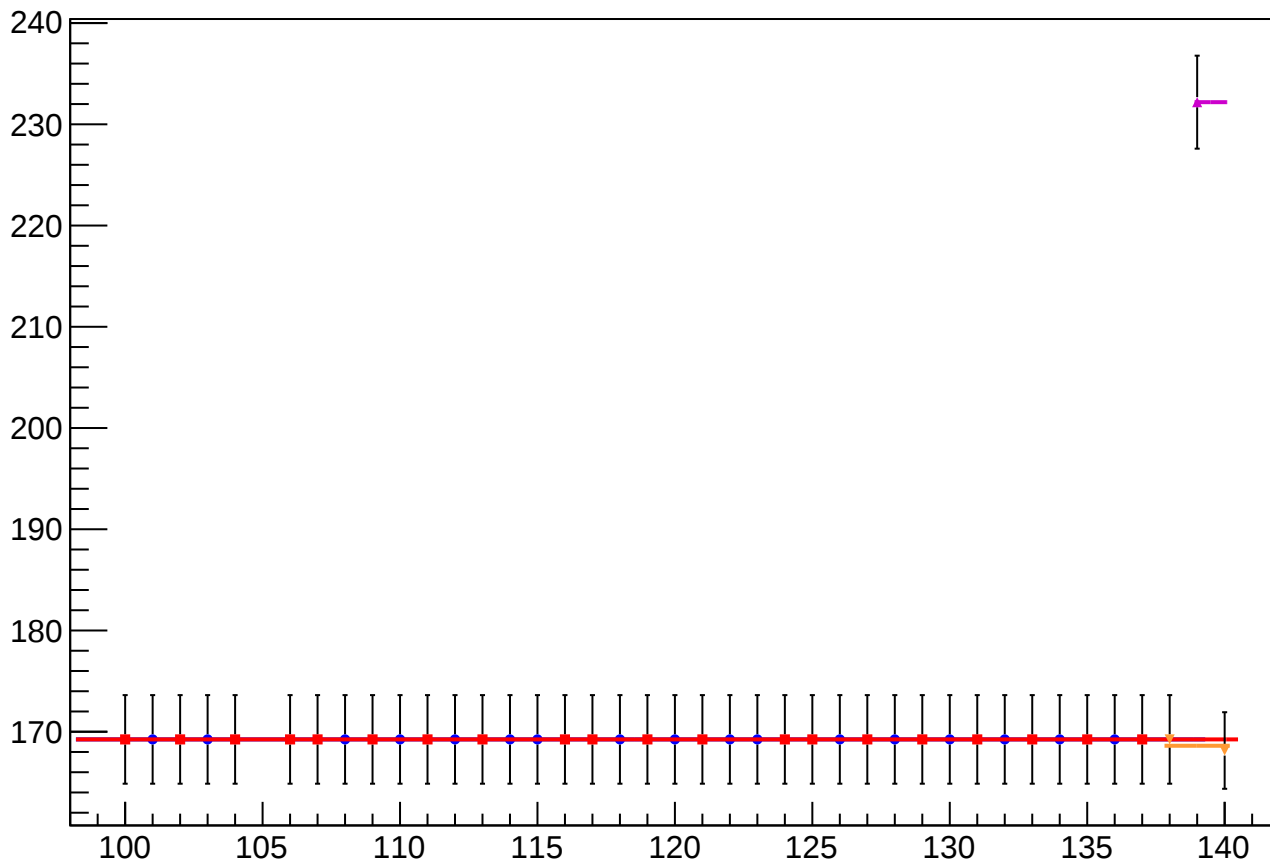
Right Out: -55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

Left In: -149.577 $\pm$ 0.211 χ^2 /NDF: 0.0/0

-70.816 $\pm$ 0.064 χ^2 /NDF: 1601047.4/18

-65.262 $\pm$ 0.068 χ^2 /NDF: 1146766.3/20

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 169.242 $\pm$ 1.061 χ^2 /NDF: 0.0/16

Left Out: 168.614 $\pm$ 2.862 χ^2 /NDF: 0.0/1

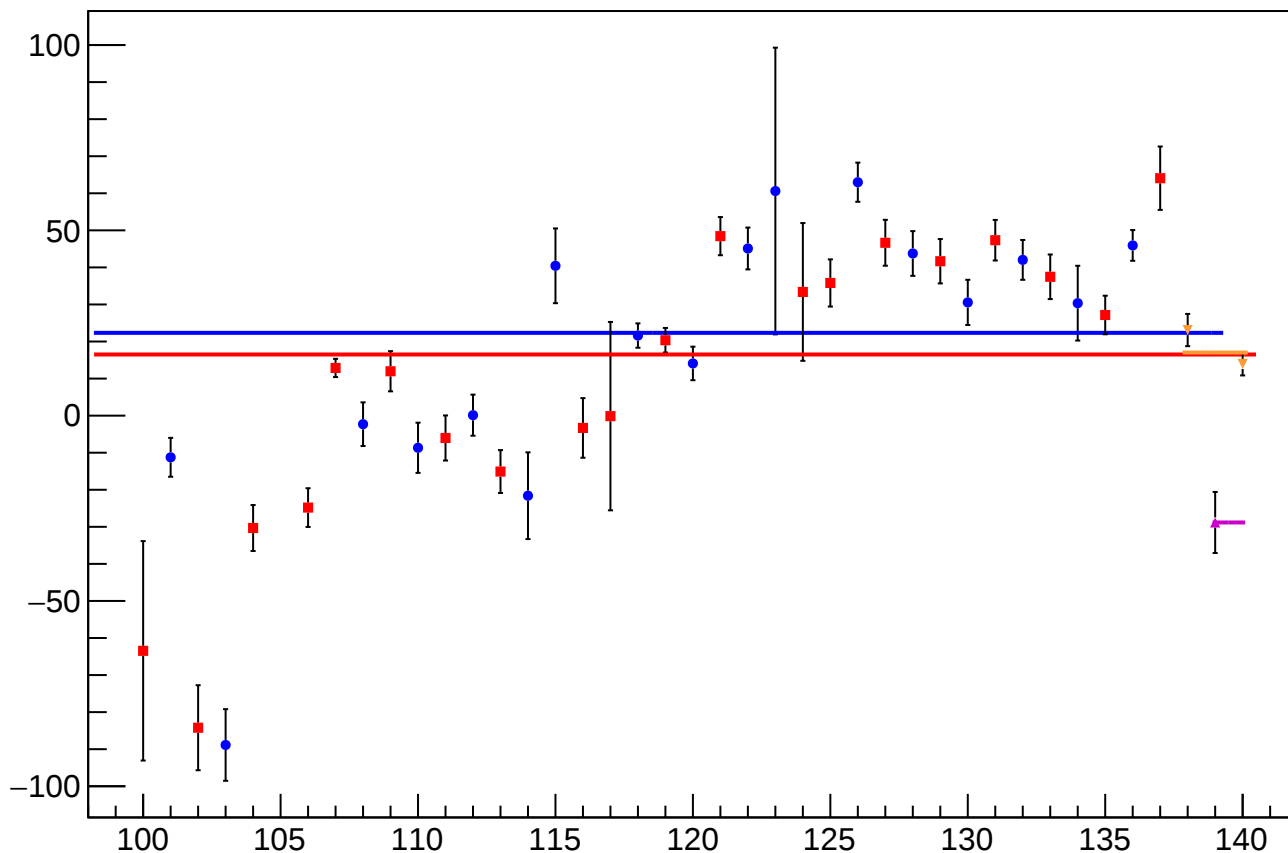
Right Out: 169.242 $\pm$ 0.979 χ^2 /NDF: 0.0/19

Left In: 232.187 $\pm$ 4.593 χ^2 /NDF: 0.0/0

169.166 $\pm$ 0.995 χ^2 /NDF: 0.1/18

171.975 $\pm$ 0.957 χ^2 /NDF: 179.7/20

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 $\pm$ 1.395 χ^2/NDF : 385.8/16

Left Out: 17.029 $\pm$ 2.524 χ^2/NDF : 2.9/1

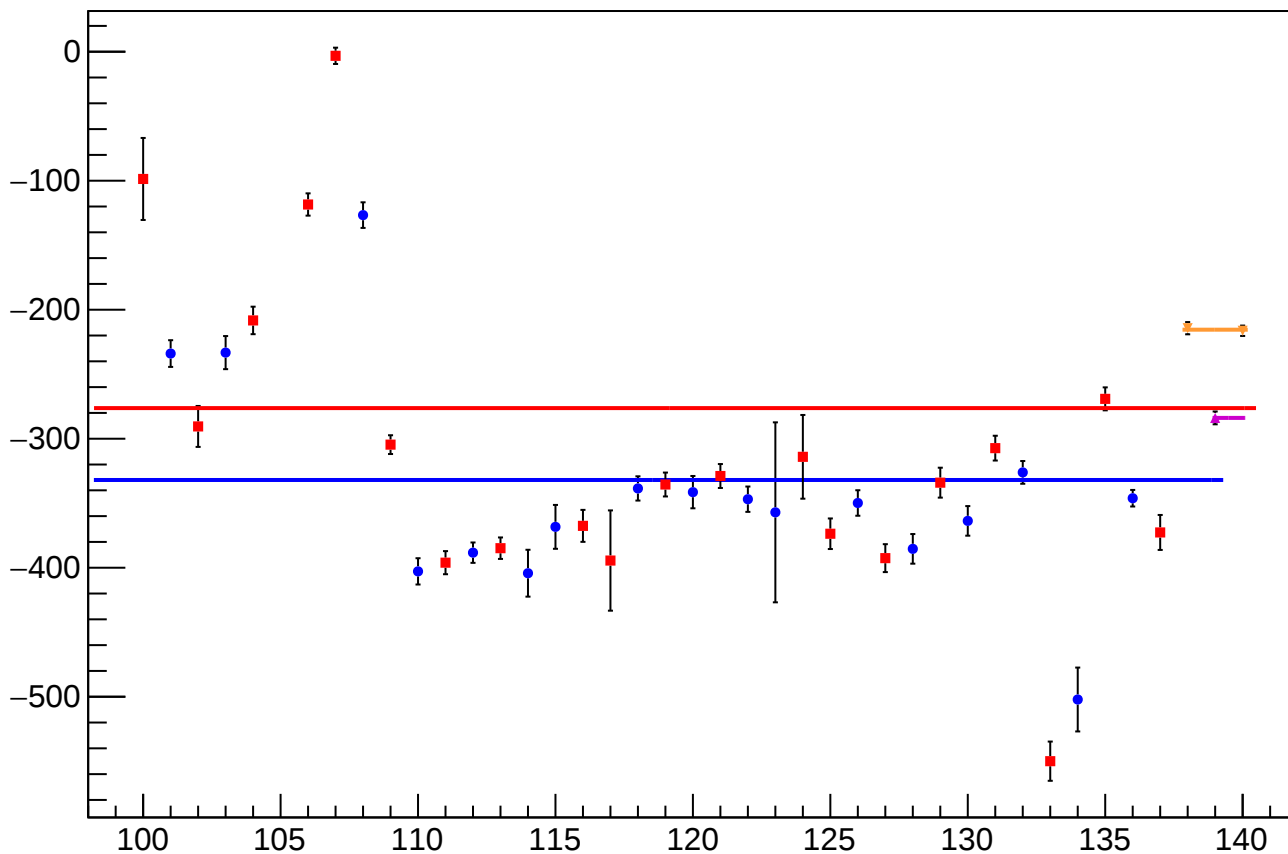
Right Out: 16.498 $\pm$ 1.226 χ^2/NDF : 427.0/19

Left In: -28.825 $\pm$ 8.241 χ^2/NDF : 0.0/0

21.098 $\pm$ 1.221 χ^2/NDF : 392.2/18

15.517 $\pm$ 1.213 χ^2/NDF : 456.6/20

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -215.479+/-3.070 χ^2/NDF : 0.1/1

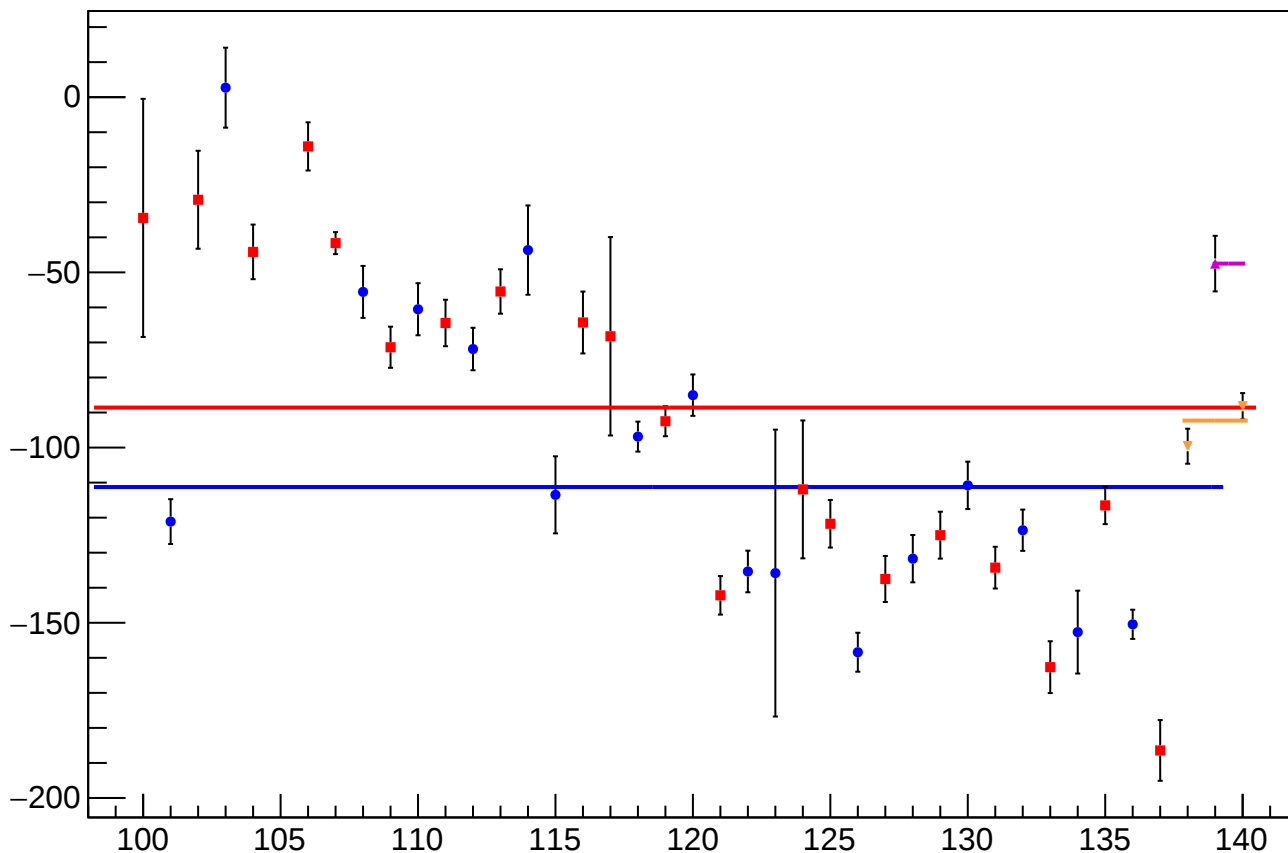
Right Out: -276.265+/-2.320 χ^2/NDF : 3371.5/19

Left In: -283.862+/-4.975 χ^2/NDF : 0.0/0

-283.765+/-1.975 χ^2/NDF : 1629.0/18

-277.622+/-2.103 χ^2/NDF : 3373.4/20

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257+/-1.597 χ^2/NDF : 509.6/16

Left Out: -92.291+/-2.993 χ^2/NDF : 3.3/1

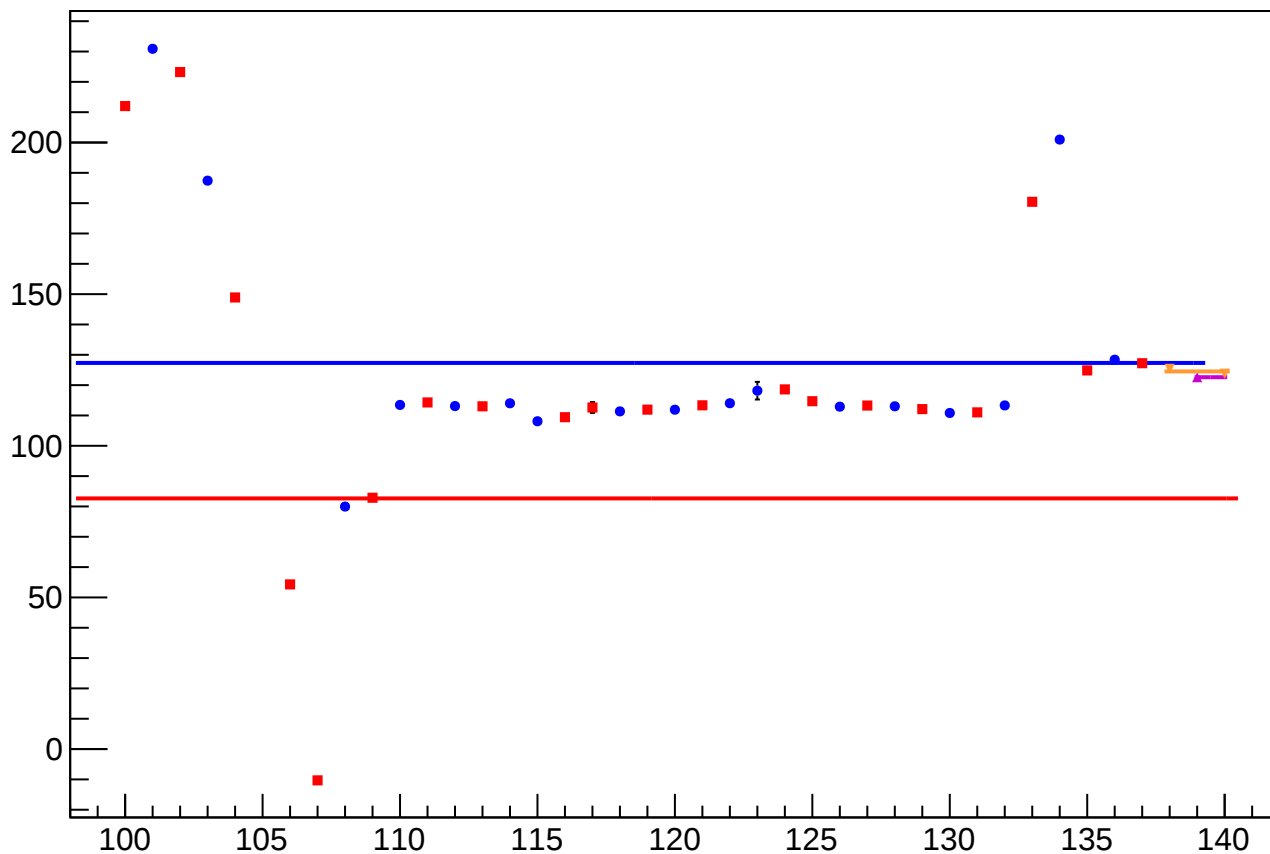
Right Out: -88.581+/-1.431 χ^2/NDF : 971.5/19

Left In: -47.496+/-7.930 χ^2/NDF : 0.0/0

-107.052+/-1.409 χ^2/NDF : 544.2/18

-87.285+/-1.408 χ^2/NDF : 997.5/20

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 $\pm$ 0.089 χ^2/NDF : 187776.4/16

Left Out: 124.521 $\pm$ 0.128 χ^2/NDF : 38.9/1

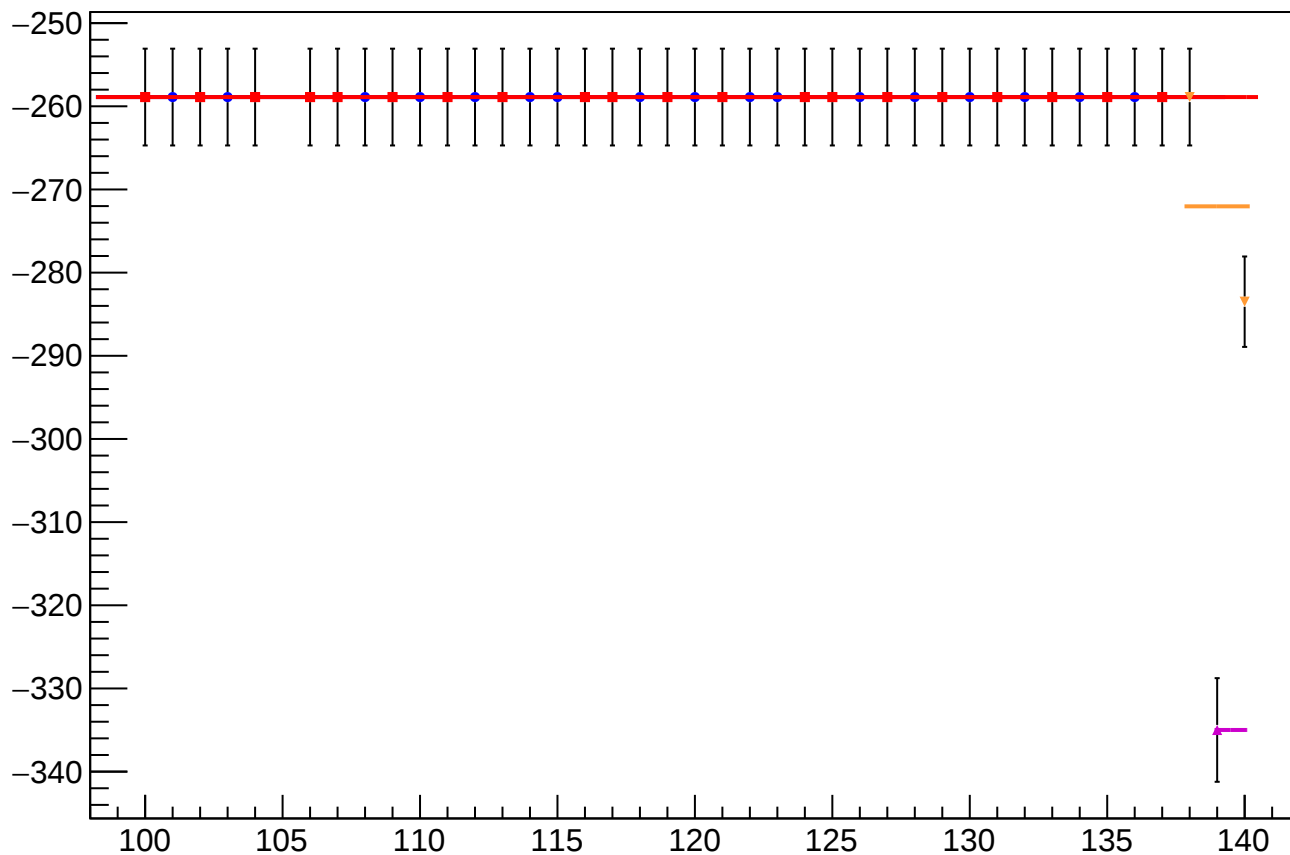
Right Out: 82.649 $\pm$ 0.075 χ^2/NDF : 765307.1/19

Left In: 122.617 $\pm$ 0.175 χ^2/NDF : 0.0/0

126.408 $\pm$ 0.073 χ^2/NDF : 188135.6/18

88.873 $\pm$ 0.069 χ^2/NDF : 809168.9/20

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -258.891 $\pm$ 1.411 χ^2 /NDF: 0.0/16

Left Out: -272.030 $\pm$ 3.973 χ^2 /NDF: 9.5/1

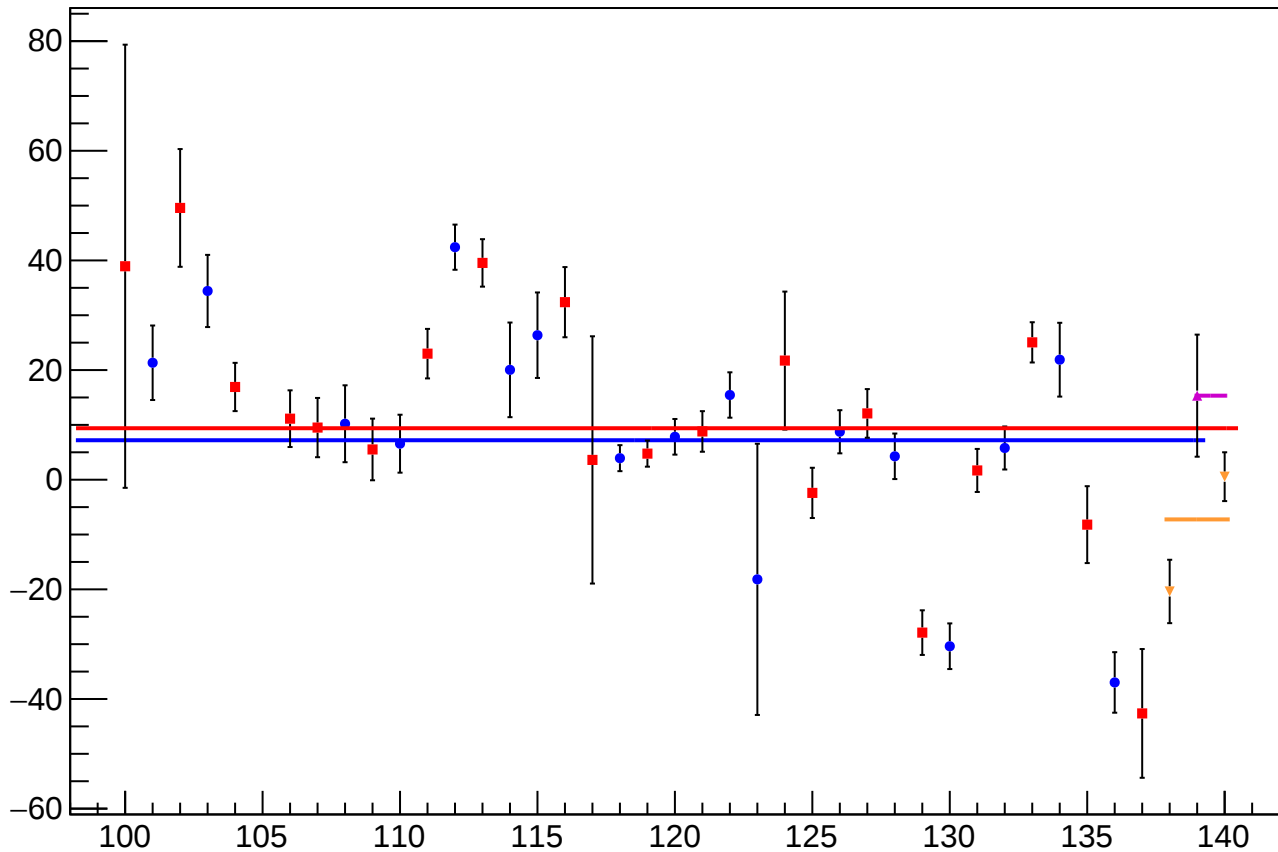
Right Out: -258.891 $\pm$ 1.301 χ^2 /NDF: 0.0/19

Left In: -334.991 $\pm$ 6.232 χ^2 /NDF: 0.0/0

-260.363 $\pm$ 1.330 χ^2 /NDF: 19.3/18

-262.070 $\pm$ 1.274 χ^2 /NDF: 142.9/20

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199+/-1.103 χ^2/NDF : 260.9/16

Left Out: -7.242+/-3.528 χ^2/NDF : 8.2/1

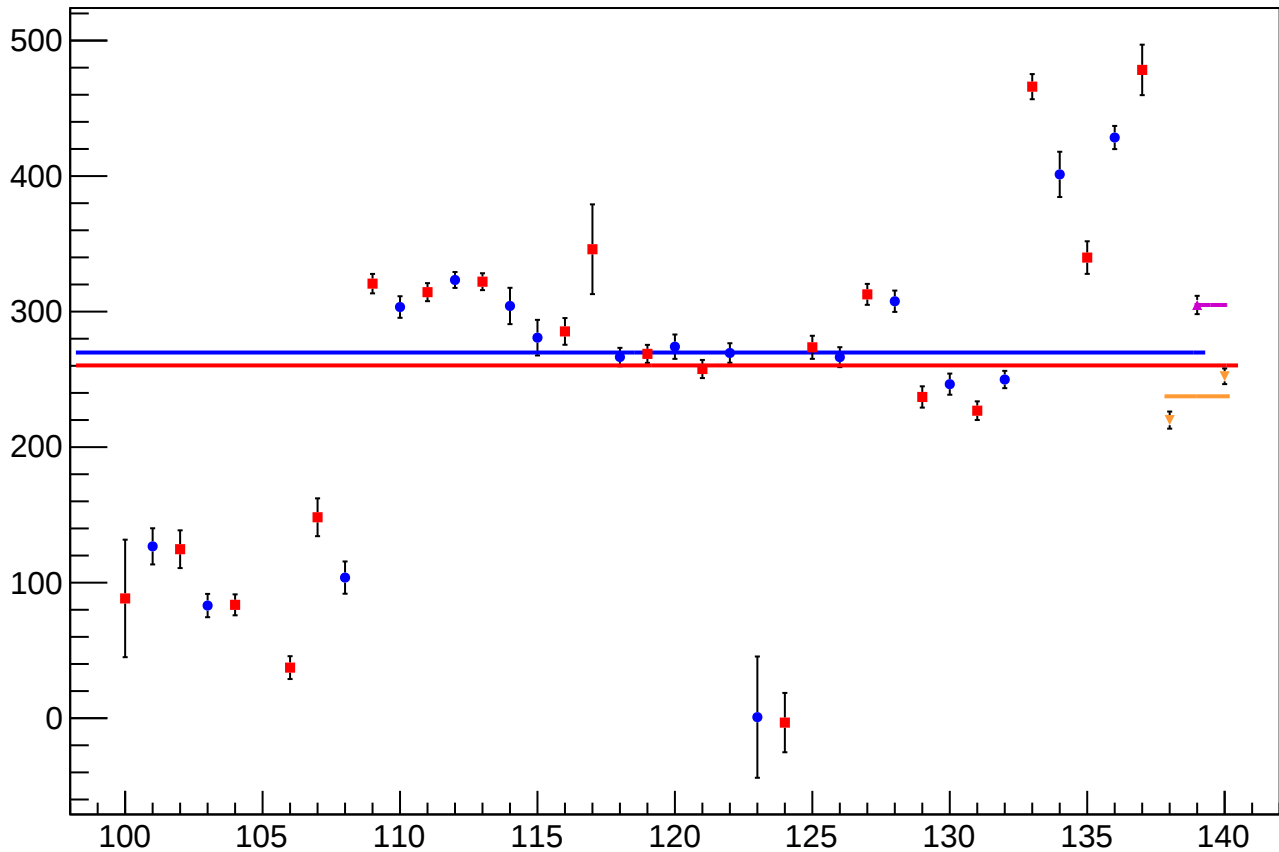
Right Out: 9.390+/-1.070 χ^2/NDF : 232.2/19

Left In: 15.330+/-11.135 χ^2/NDF : 0.0/0

5.913+/-1.053 χ^2/NDF : 284.4/18

9.444+/-1.065 χ^2/NDF : 232.5/20

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 237.498 $\pm$ 4.265 χ^2 /NDF:14.3/1

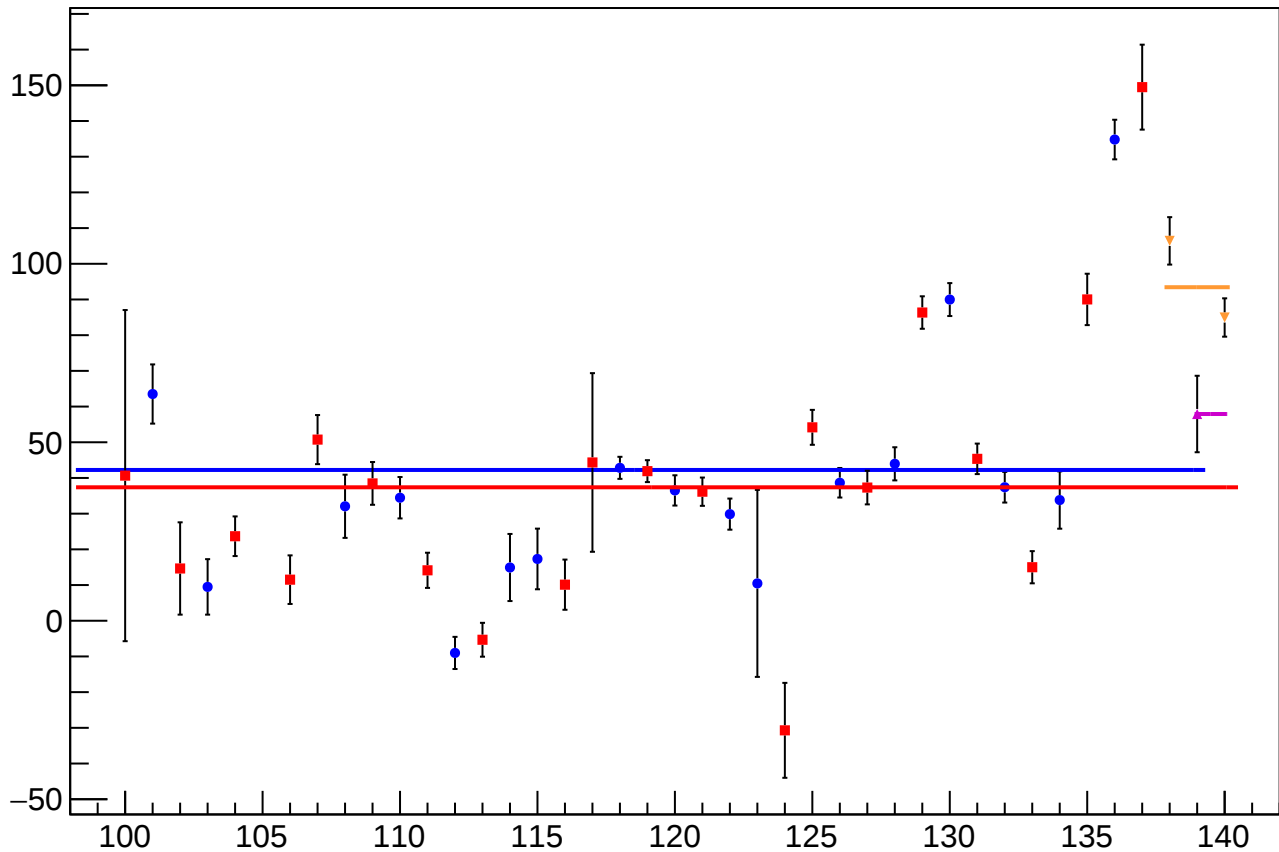
Right Out: 260.286 $\pm$ 1.973 χ^2 /NDF: 2545.4/19

Left In: 304.890 $\pm$ 6.756 χ^2 /NDF:0.0/0

263.554 $\pm$ 1.876 χ^2 /NDF: 1434.7/18

263.793 $\pm$ 1.894 χ^2 /NDF: 2585.5/20

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 93.437 $\pm$ 4.178 χ^2 /NDF:6.3/1

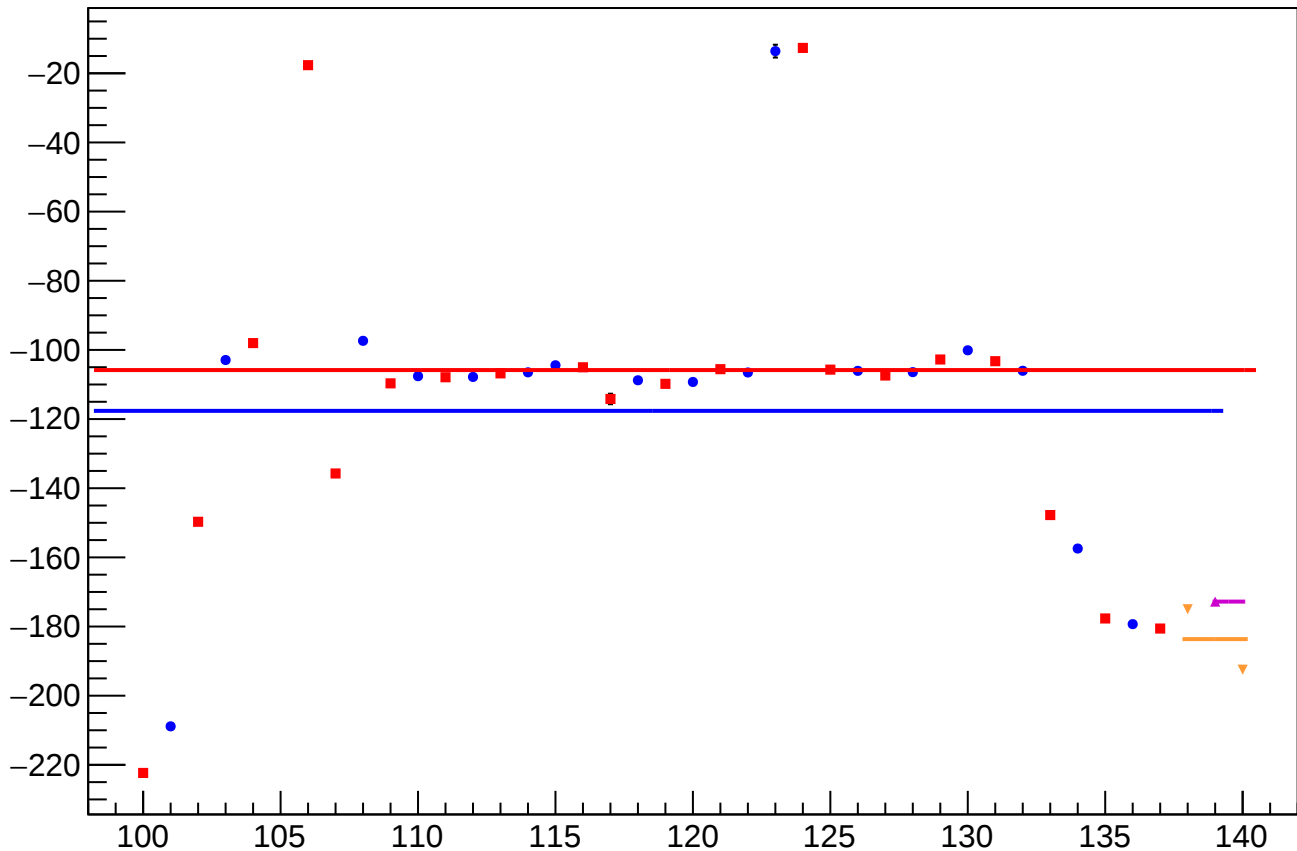
Right Out: 37.384 $\pm$ 1.233 χ^2 /NDF: 472.4/19

Left In: 57.916 $\pm$ 10.712 χ^2 /NDF:0.0/0

46.595 $\pm$ 1.218 χ^2 /NDF: 718.1/18

37.652 $\pm$ 1.225 χ^2 /NDF: 476.0/20

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -183.636+/-0.178 χ^2/NDF : 2410.2/1

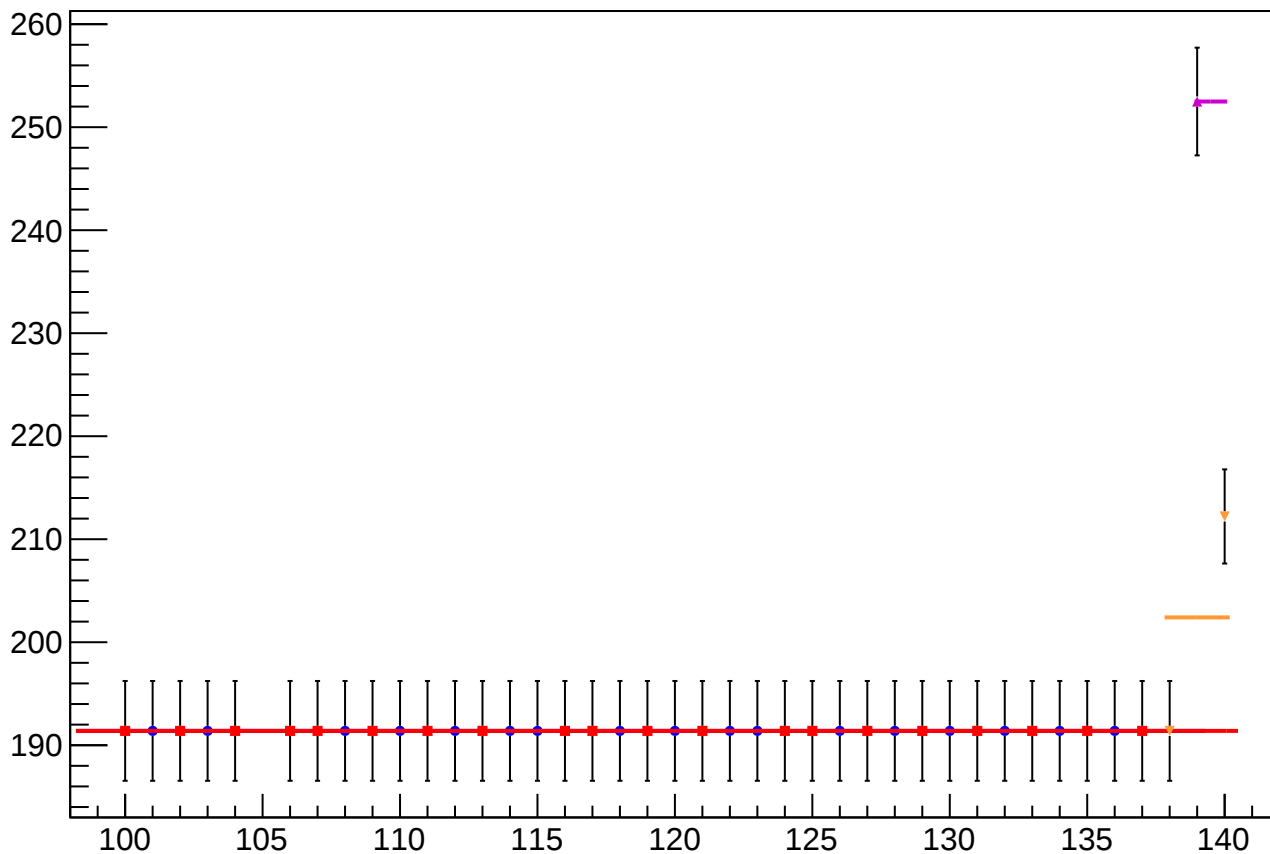
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -172.788+/-0.237 χ^2/NDF : 0.0/0

-128.377+/-0.072 χ^2/NDF : 259380.2/18

-111.610+/-0.070 χ^2/NDF : 396351.4/20

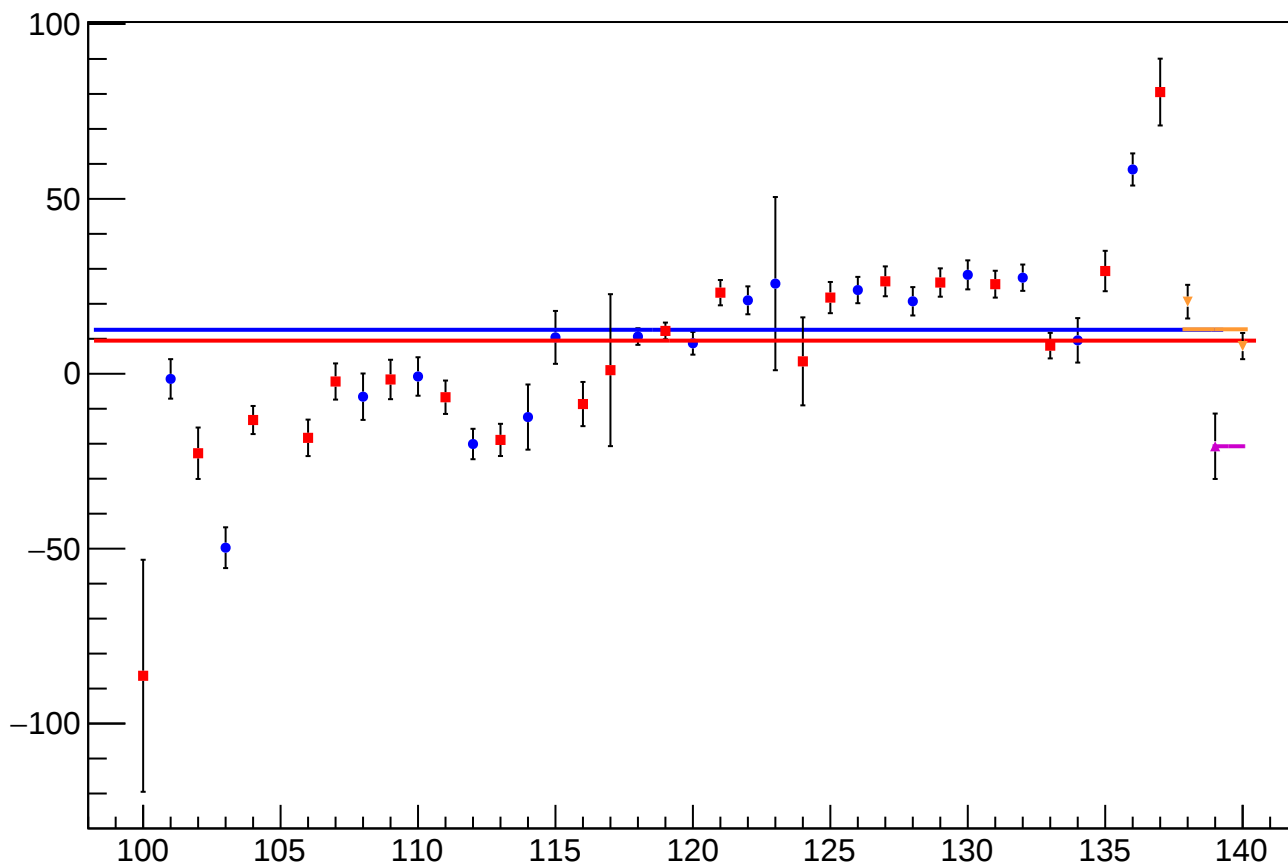
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



192.616 $\pm$ 1.108 χ^2 /NDF: 19.5/18

193.908 $\pm$ 1.061 χ^2 /NDF: 130.9/20

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 12.718 $\pm$ 2.956 χ^2 /NDF: 4.3/1

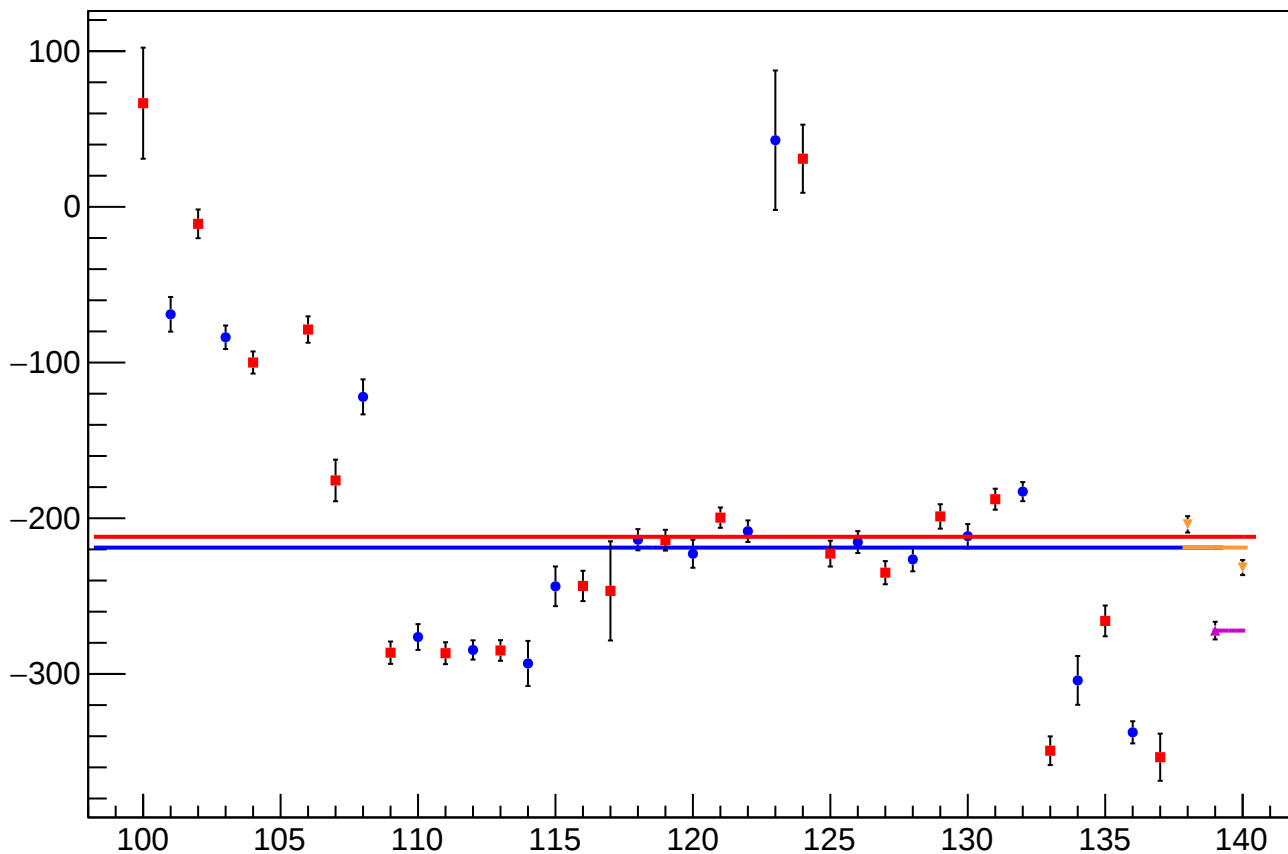
Right Out: 9.474 $\pm$ 1.046 χ^2 /NDF: 296.0/19

Left In: -20.724 $\pm$ 9.350 χ^2 /NDF: 0.0/0

12.591 $\pm$ 1.009 χ^2 /NDF: 352.3/18

9.100 $\pm$ 1.040 χ^2 /NDF: 306.3/20

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -218.834 ± 3.570 χ^2/NDF : 15.0/1

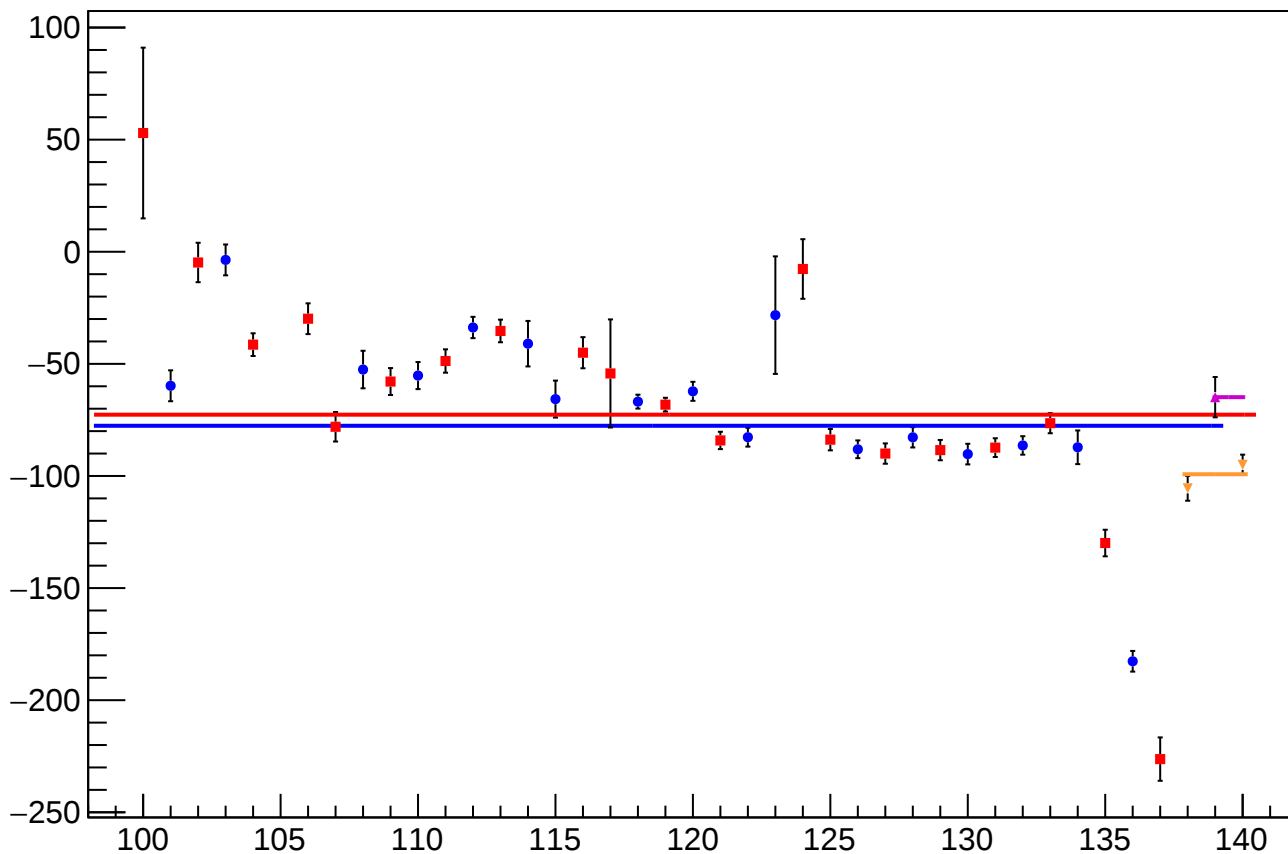
Right Out: -211.907 ± 1.920 χ^2/NDF : 1886.4/19

Left In: -272.159 ± 5.667 χ^2/NDF : 0.0/0

-218.850 ± 1.760 χ^2/NDF : 1161.6/18

-218.112 ± 1.819 χ^2/NDF : 1987.8/20

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 $\pm$ 1.236 χ^2 /NDF: 815.9/16

Left Out: -99.223 $\pm$ 3.499 χ^2 /NDF: 2.2/1

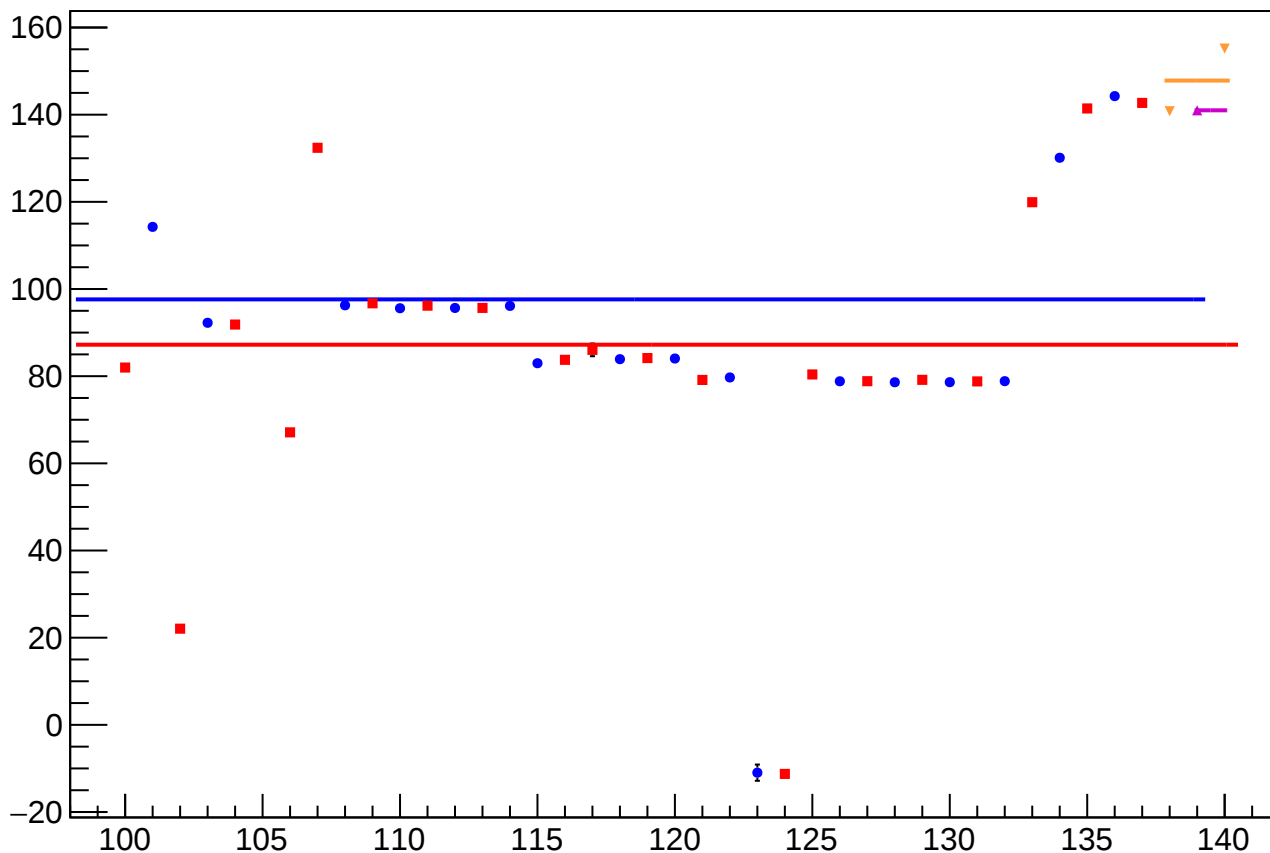
Right Out: -72.664 $\pm$ 1.205 χ^2 /NDF: 672.0/19

Left In: -64.848 $\pm$ 8.995 χ^2 /NDF: 0.0/0

-80.011 $\pm$ 1.166 χ^2 /NDF: 852.0/18

-72.526 $\pm$ 1.194 χ^2 /NDF: 672.8/20

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 147.826 $\pm$ 0.149 χ^2 /NDF: 2328.5/1

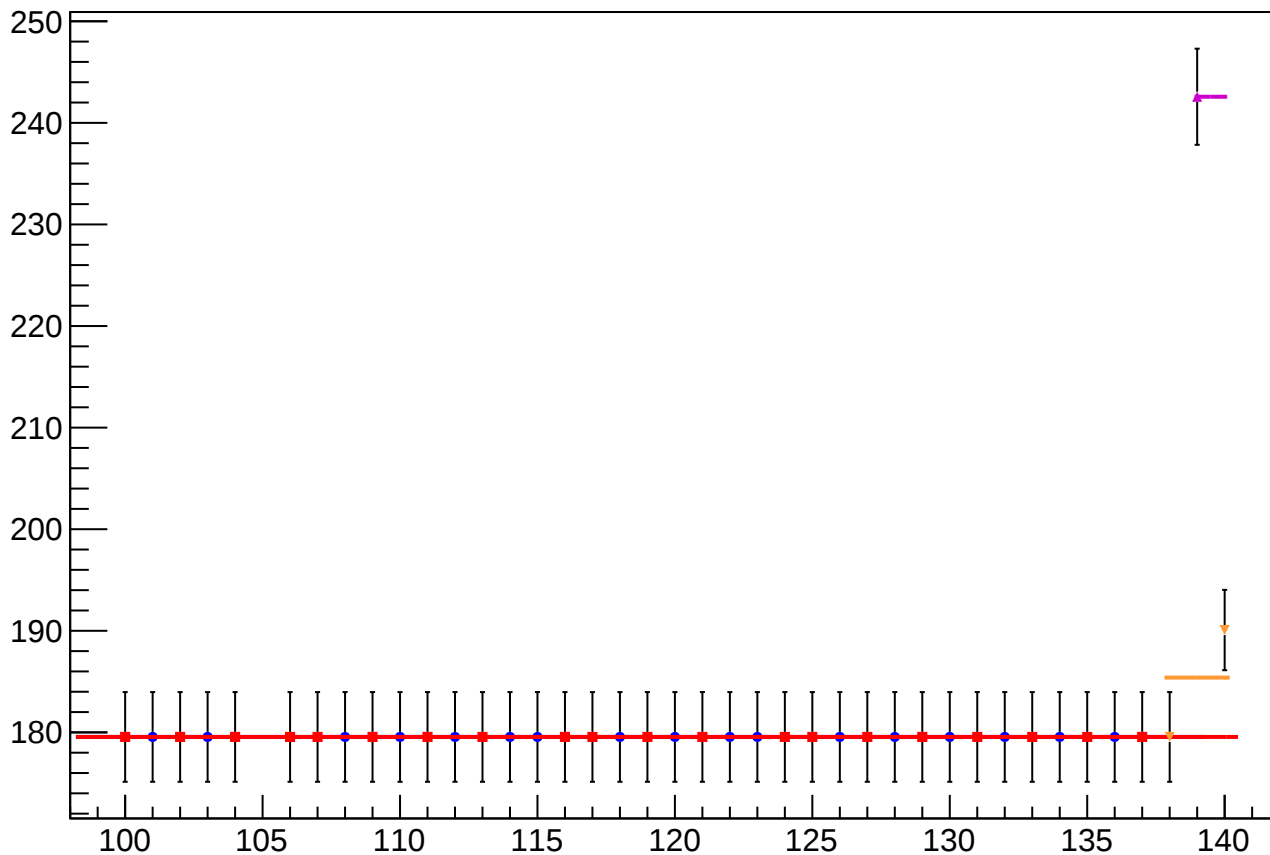
Right Out: 87.224 $\pm$ 0.068 χ^2 /NDF: 220851.2/19

Left In: 141.001 $\pm$ 0.199 χ^2 /NDF: 0.0/0

107.502 $\pm$ 0.066 χ^2 /NDF: 187684.2/18

92.889 $\pm$ 0.065 χ^2 /NDF: 286370.5/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 179.552 $\pm$ 1.071 χ^2 /NDF: 0.0/16

Left Out: 185.393 $\pm$ 2.946 χ^2 /NDF:3.2/1

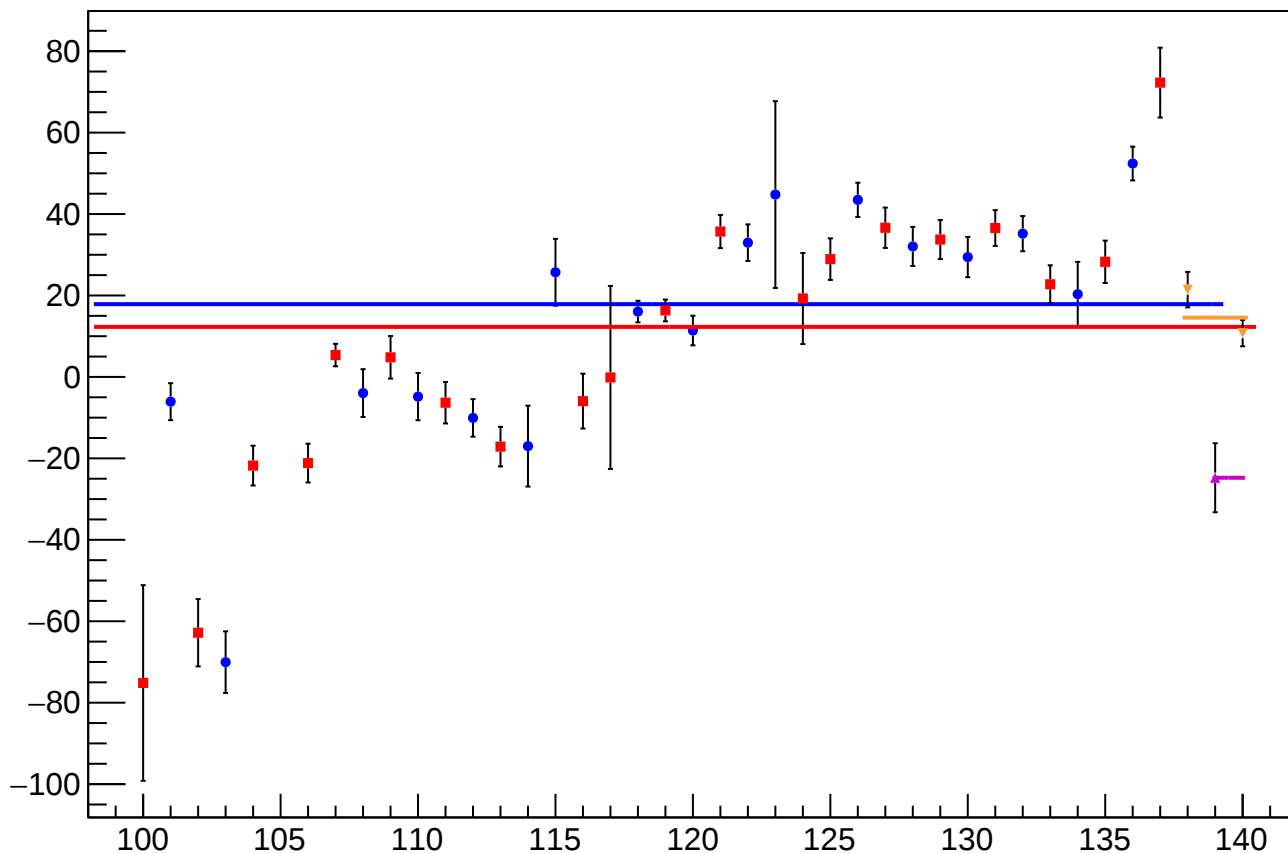
Right Out: 179.552 $\pm$ 0.988 χ^2 /NDF: 0.0/19

Left In: 242.571 $\pm$ 4.732 χ^2 /NDF:0.0/0

180.234 $\pm$ 1.007 χ^2 /NDF: 6.6/18

182.182 $\pm$ 0.967 χ^2 /NDF: 169.9/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 $\pm$ 1.166 χ^2 /NDF: 395.3/16

Left Out: 14.563 $\pm$ 2.598 χ^2 /NDF: 3.9/1

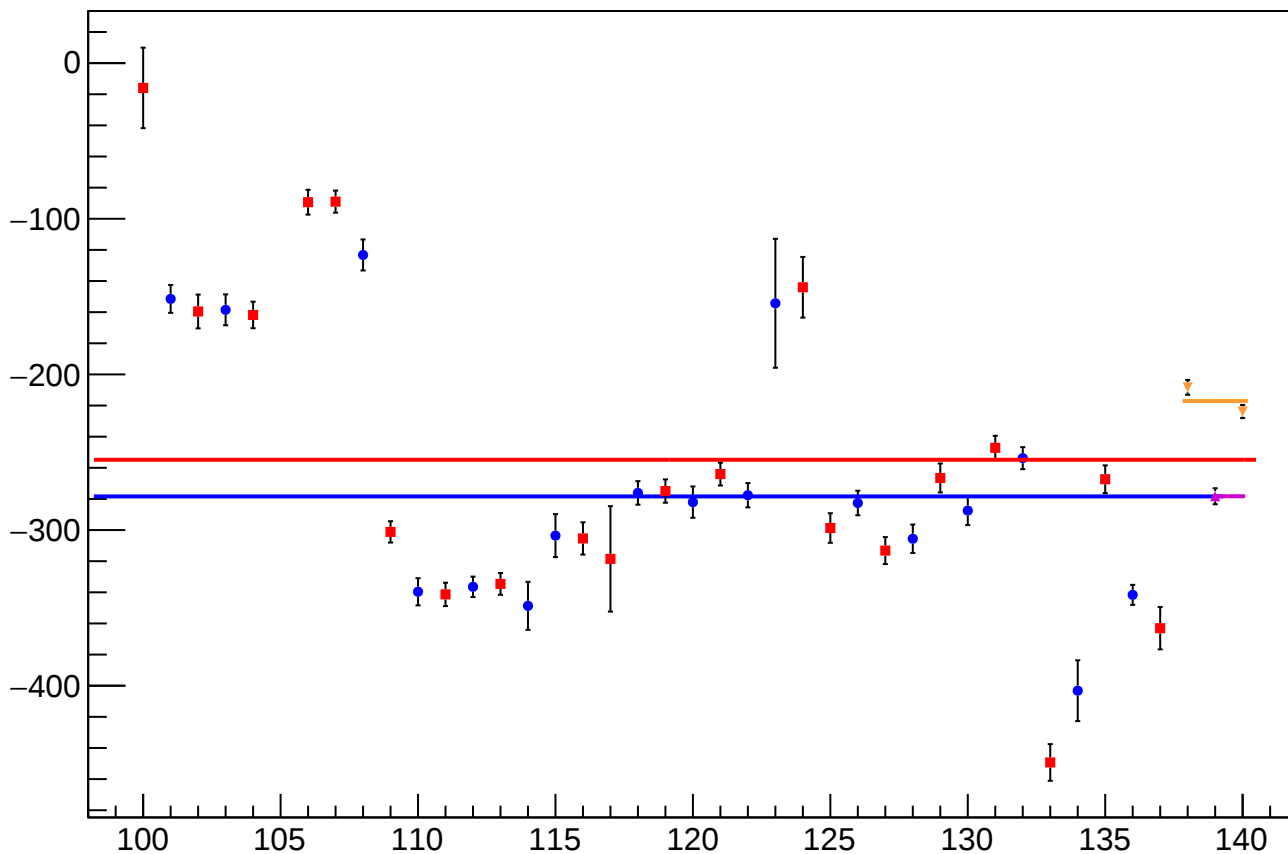
Right Out: 12.288 $\pm$ 1.082 χ^2 /NDF: 444.4/19

Left In: -24.761 $\pm$ 8.475 χ^2 /NDF: 0.0/0

17.318 $\pm$ 1.064 χ^2 /NDF: 400.6/18

11.694 $\pm$ 1.073 χ^2 /NDF: 463.2/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 $\pm$ 2.185 χ^2 /NDF: 910.6/16

Left Out: -217.067 $\pm$ 3.161 χ^2 /NDF: 5.9/1

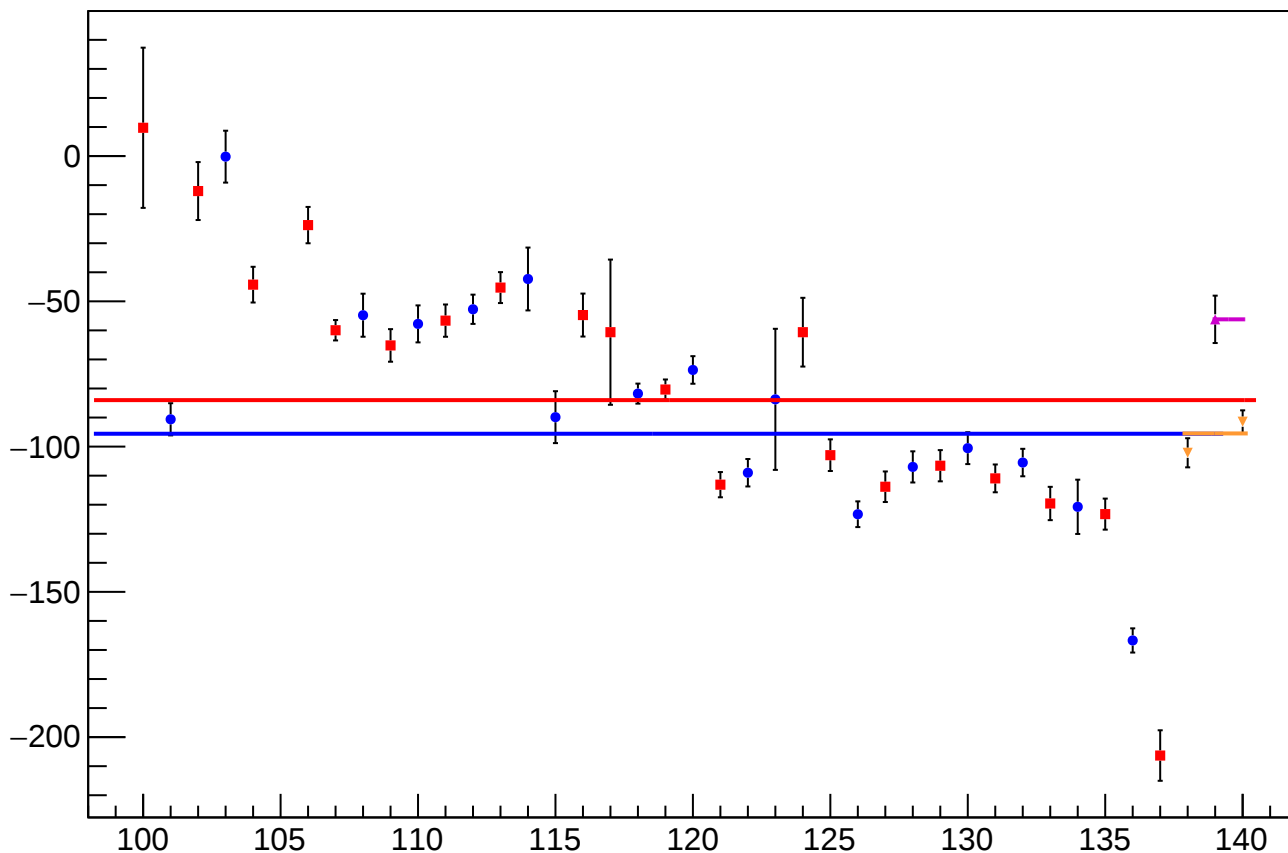
Right Out: -254.830 $\pm$ 2.016 χ^2 /NDF: 2041.0/19

Left In: -278.271 $\pm$ 5.128 χ^2 /NDF: 0.0/0

-258.562 $\pm$ 1.797 χ^2 /NDF: 1171.1/18

-257.969 $\pm$ 1.876 χ^2 /NDF: 2059.1/20

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 ± 1.340 $\chi^2/\text{NDF}: 671.2/16$

Left Out: -95.472 ± 3.082 $\chi^2/\text{NDF}: 2.8/1$

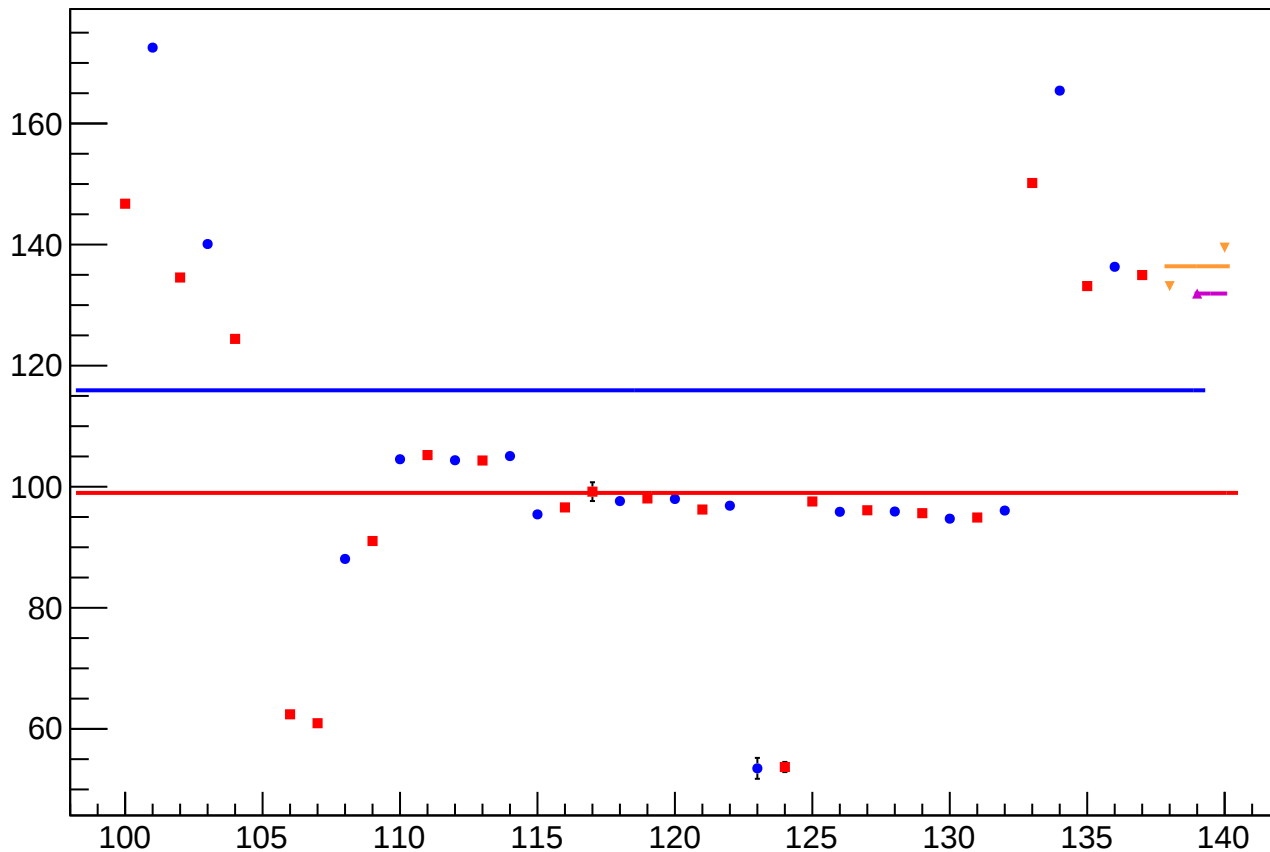
Right Out: -84.003 ± 1.255 $\chi^2/\text{NDF}: 784.1/19$

Left In: -56.198 ± 8.154 $\chi^2/\text{NDF}: 0.0/0$

-95.560 ± 1.229 $\chi^2/\text{NDF}: 674.1/18$

-83.360 ± 1.241 $\chi^2/\text{NDF}: 795.4/20$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927+/-0.078 χ^2/NDF : 105791.4/16

Left Out: 136.414+/-0.132 χ^2/NDF : 576.6/1

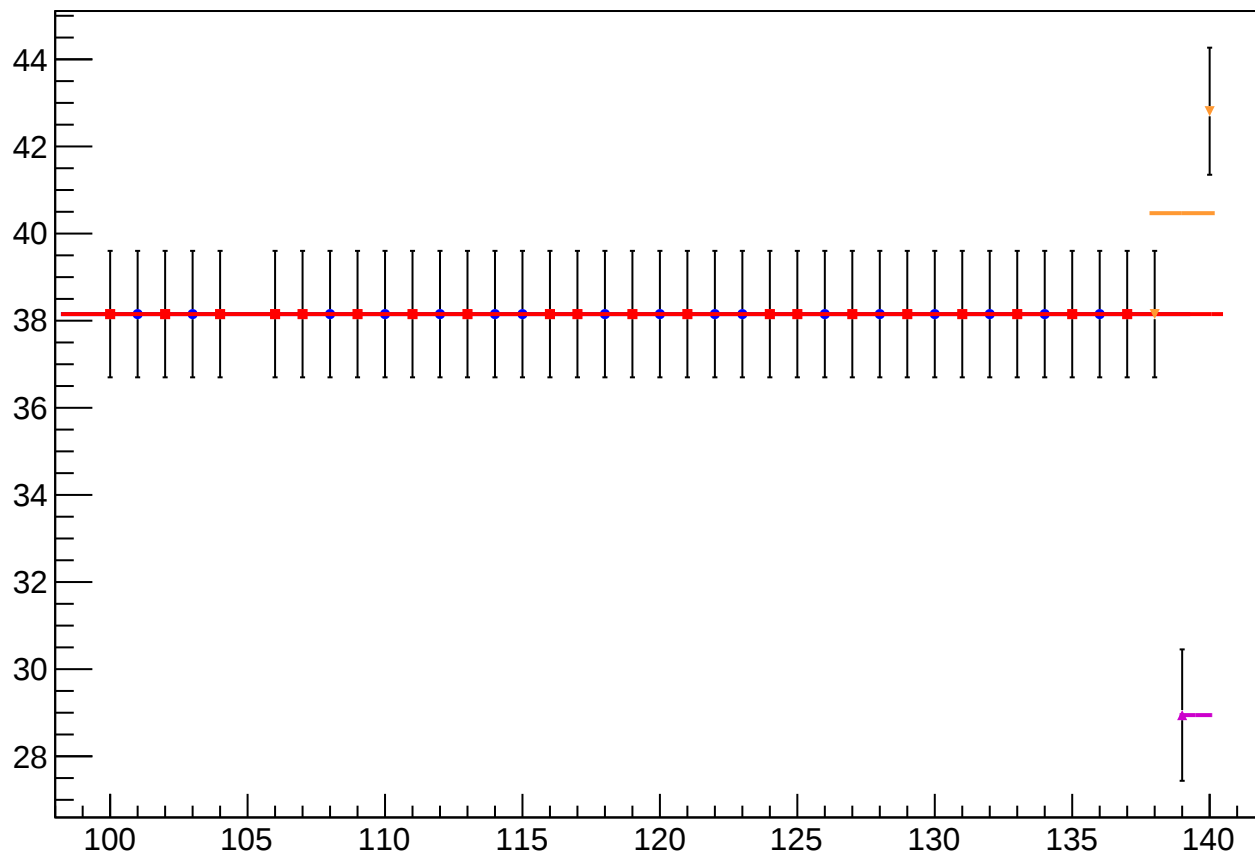
Right Out: 98.982+/-0.068 χ^2/NDF : 172974.2/19

Left In: 131.909+/-0.180 χ^2/NDF : 0.0/0

121.254+/-0.067 χ^2/NDF : 124111.5/18

103.136+/-0.064 χ^2/NDF : 202140.9/20

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 38.151+/-0.352 χ^2/NDF : 0.0/16

Left Out: 40.468+/-1.029 χ^2/NDF : 5.1/1

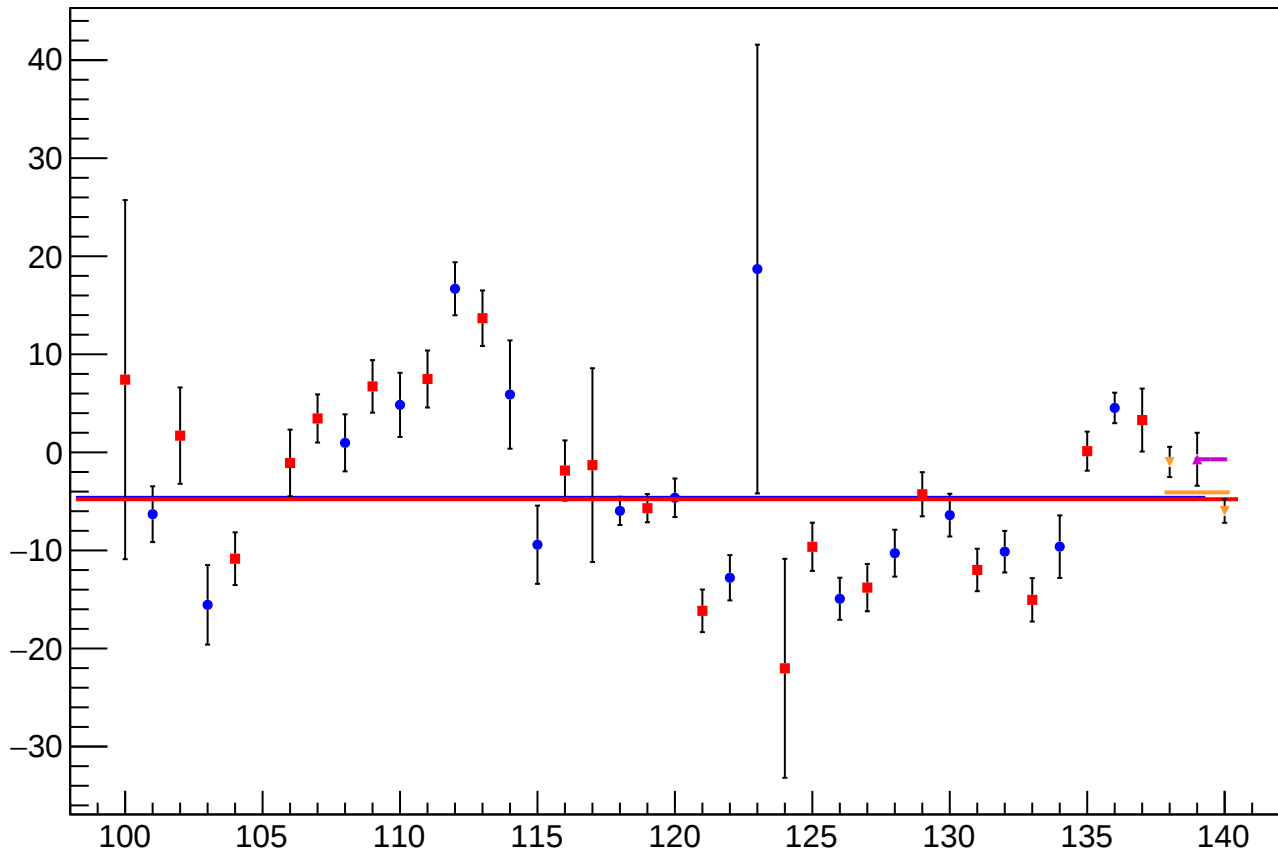
Right Out: 38.151+/-0.325 χ^2/NDF : 0.0/19

Left In: 28.945+/-1.508 χ^2/NDF : 0.0/0

38.394+/-0.333 χ^2/NDF : 9.7/18

37.744+/-0.317 χ^2/NDF : 35.6/20

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637±0.588 χ^2/NDF : 174.4/16

Left Out: -4.082±0.949 χ^2/NDF : 6.5/1

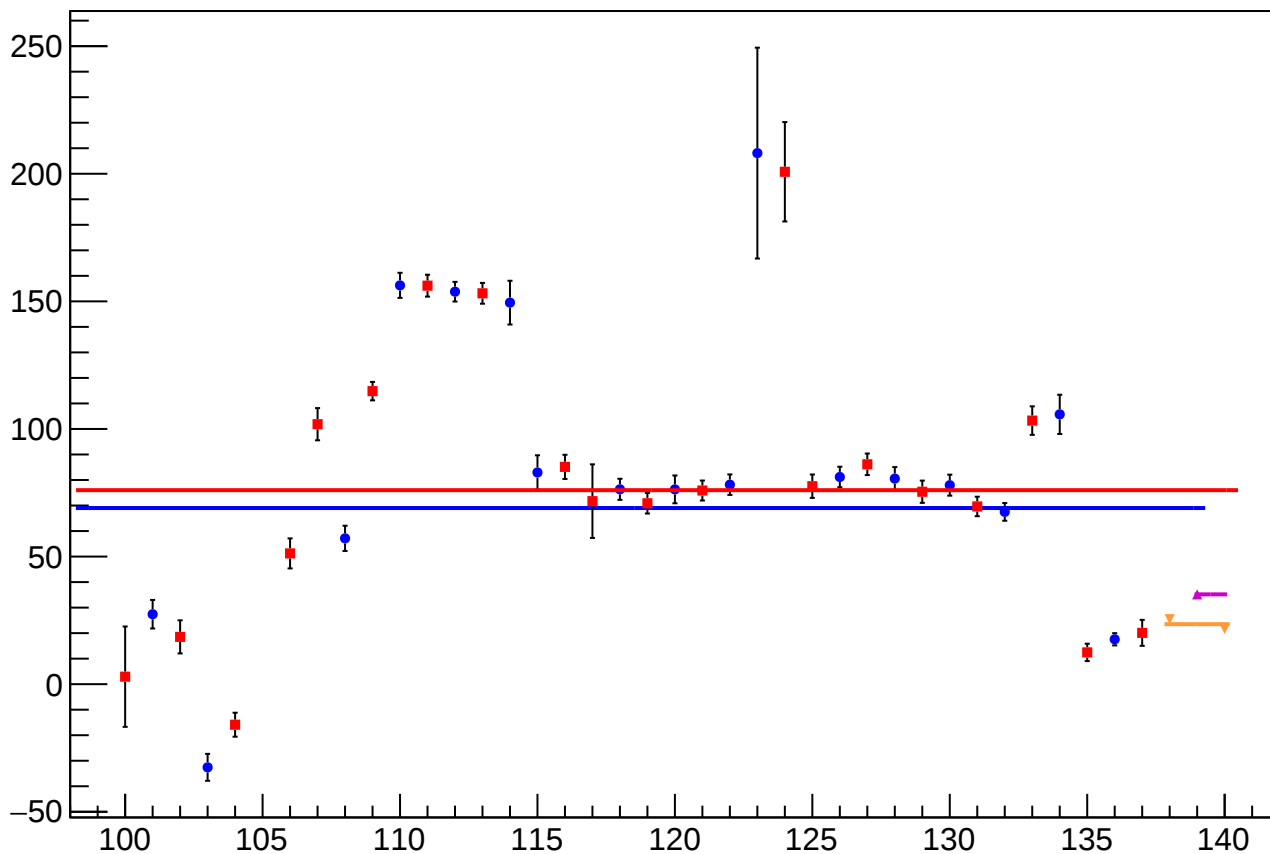
Right Out: -4.779±0.583 χ^2/NDF : 192.7/19

Left In: -0.702±2.702 χ^2/NDF : 0.0/0

-4.483±0.500 χ^2/NDF : 181.2/18

-4.597±0.570 χ^2/NDF : 194.8/20

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019+/-1.083 χ^2 /NDF: 1848.0/16

Left Out: 23.516+/-1.106 χ^2 /NDF: 3.0/1

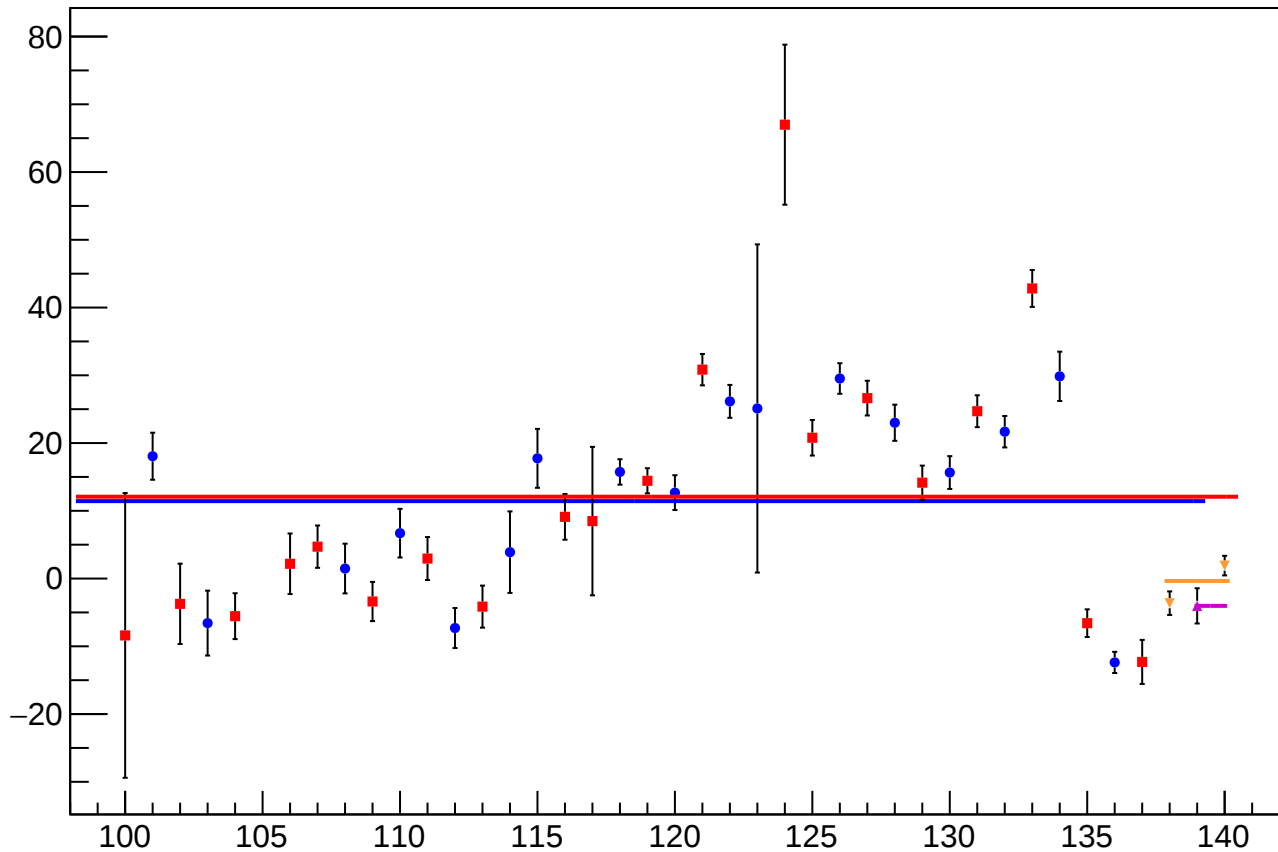
Right Out: 76.017+/-1.067 χ^2 /NDF: 1882.0/19

Left In: 35.190+/-1.634 χ^2 /NDF: 0.0/0

46.737+/-0.774 χ^2 /NDF: 2714.8/18

63.817+/-0.893 χ^2 /NDF: 2319.5/20

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: -0.353 ± 1.111 χ^2/NDF : 6.0/1

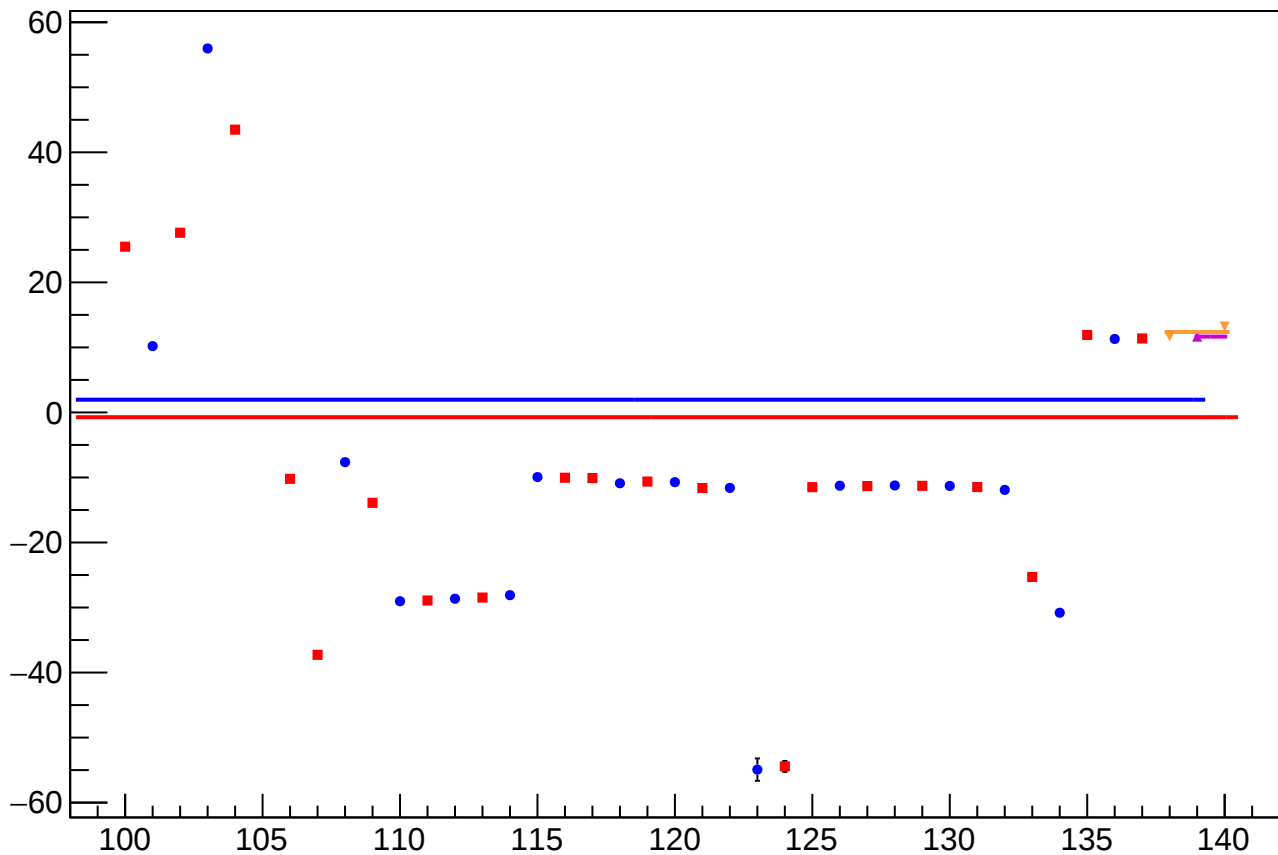
Right Out: 12.082 ± 0.663 χ^2/NDF : 539.2/19

Left In: -4.030 ± 2.600 χ^2/NDF : 0.0/0

8.318 ± 0.571 χ^2/NDF : 565.5/18

11.099 ± 0.642 χ^2/NDF : 575.3/20

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 12.369 $\pm$ 0.045 χ^2 /NDF:285.1/1

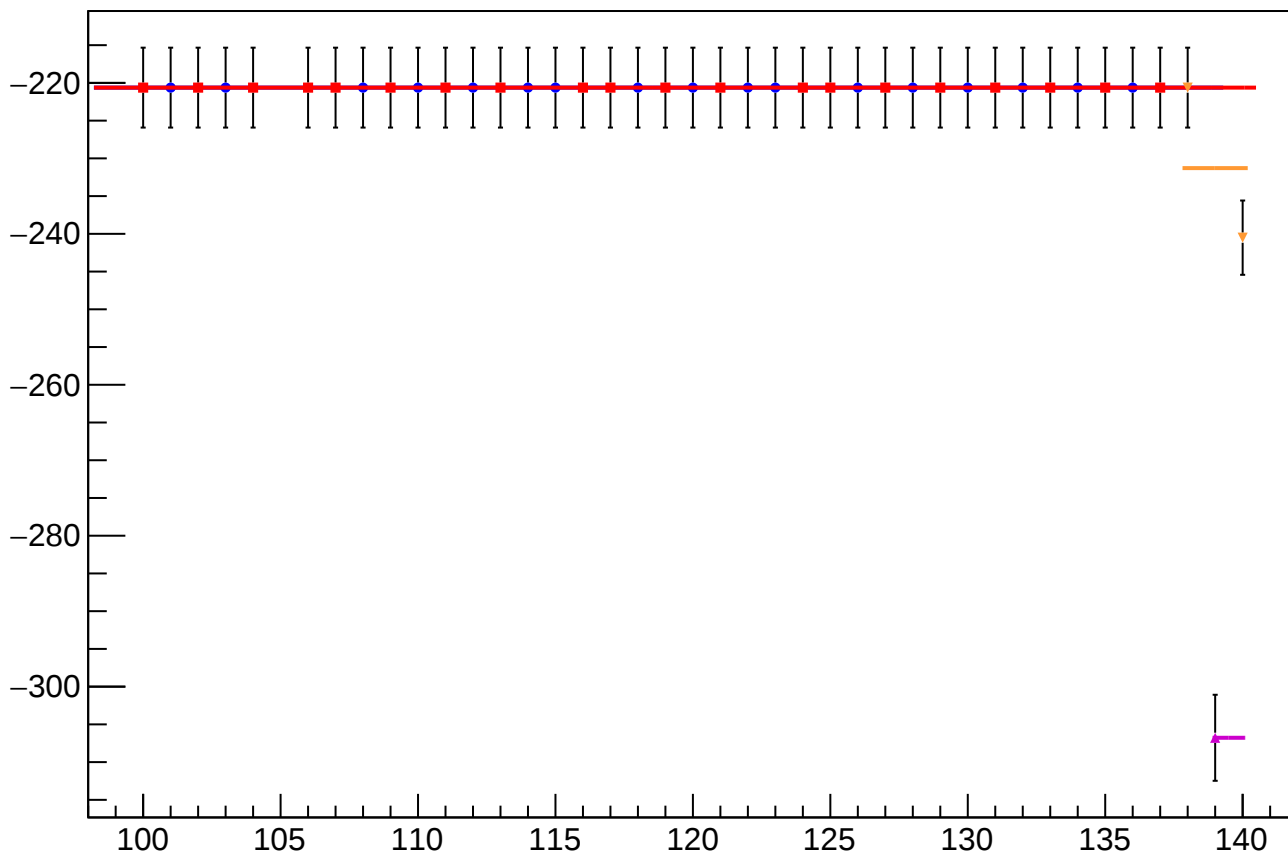
Right Out: -0.733 $\pm$ 0.037 χ^2 /NDF: 361368.4/19

Left In: 11.661 $\pm$ 0.057 χ^2 /NDF:0.0/0

6.137 $\pm$ 0.029 χ^2 /NDF: 390251.9/18

2.912 $\pm$ 0.031 χ^2 /NDF: 394263.5/20

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -220.625+/-1.284 χ^2/NDF : 0.0/16

Left Out: -231.291+/-3.604 χ^2/NDF : 7.6/1

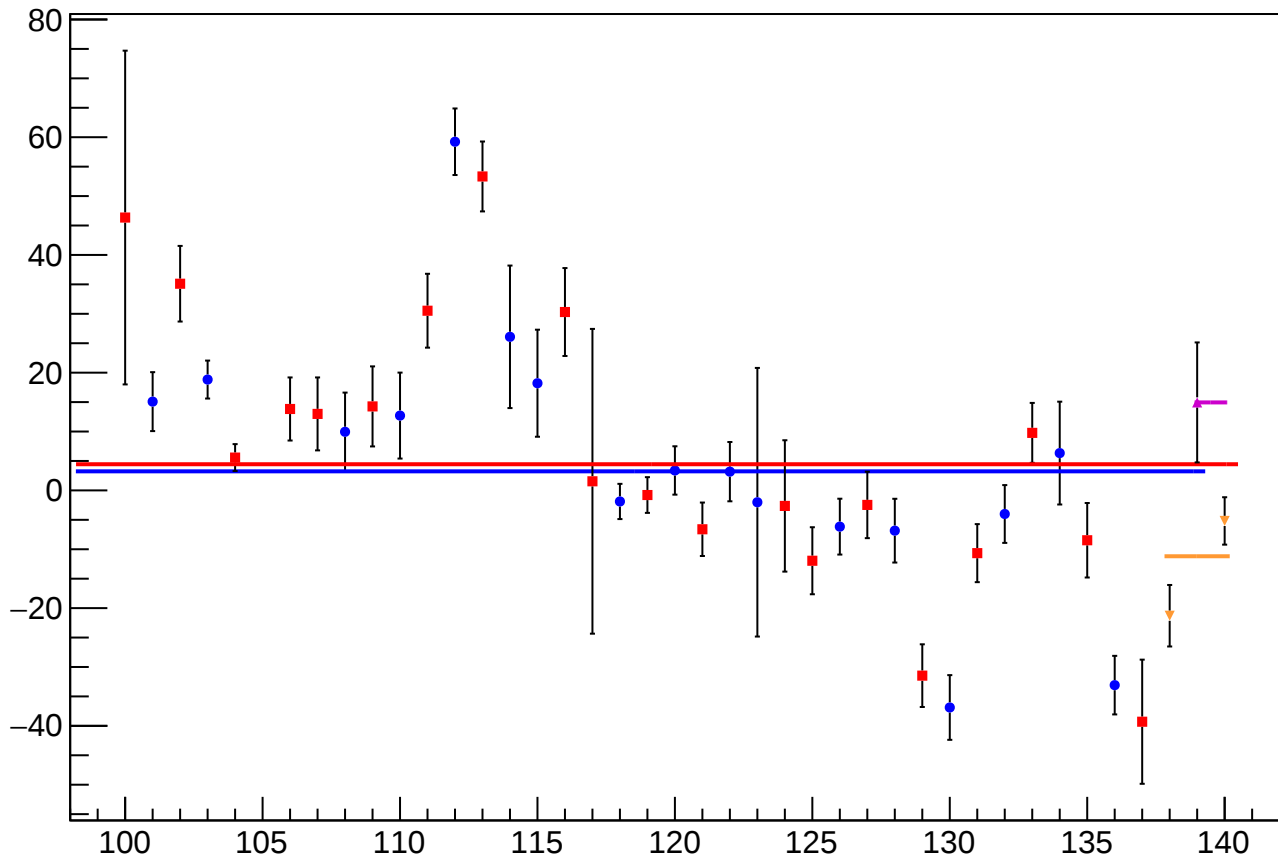
Right Out: -220.625+/-1.184 χ^2/NDF : 0.0/19

Left In: -306.776+/-5.700 χ^2/NDF : 0.0/0

-221.826+/-1.210 χ^2/NDF : 15.3/18

-224.187+/-1.159 χ^2/NDF : 219.0/20

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: -11.190 ± 3.189 χ^2/NDF : 6.0/1

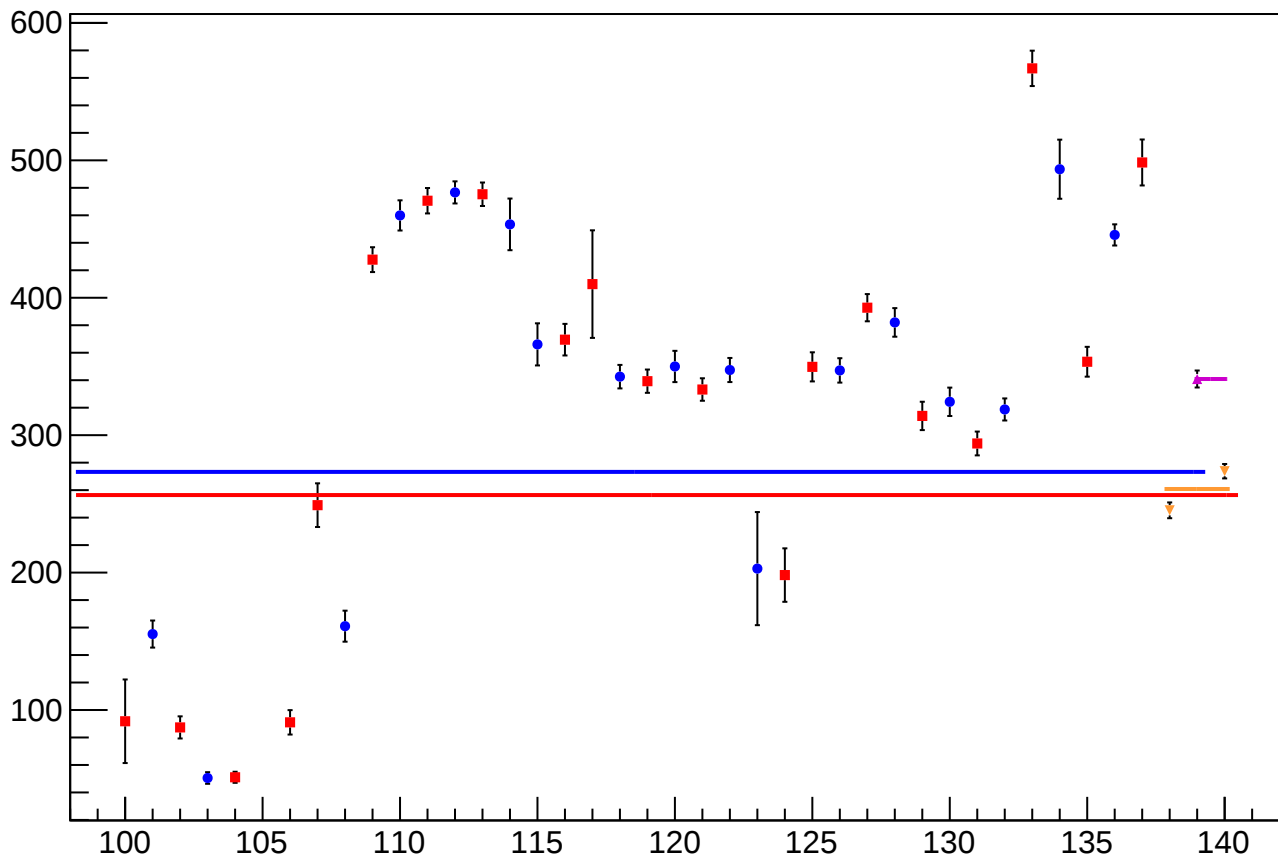
Right Out: 4.444 ± 1.156 χ^2/NDF : 225.8/19

Left In: 14.946 ± 10.190 χ^2/NDF : 0.0/0

1.333 ± 1.159 χ^2/NDF : 279.0/18

4.577 ± 1.149 χ^2/NDF : 226.8/20

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 $\pm$ 2.205 χ^2/NDF : 5101.5/16

Left Out: 260.834 $\pm$ 3.869 χ^2/NDF :13.4/1

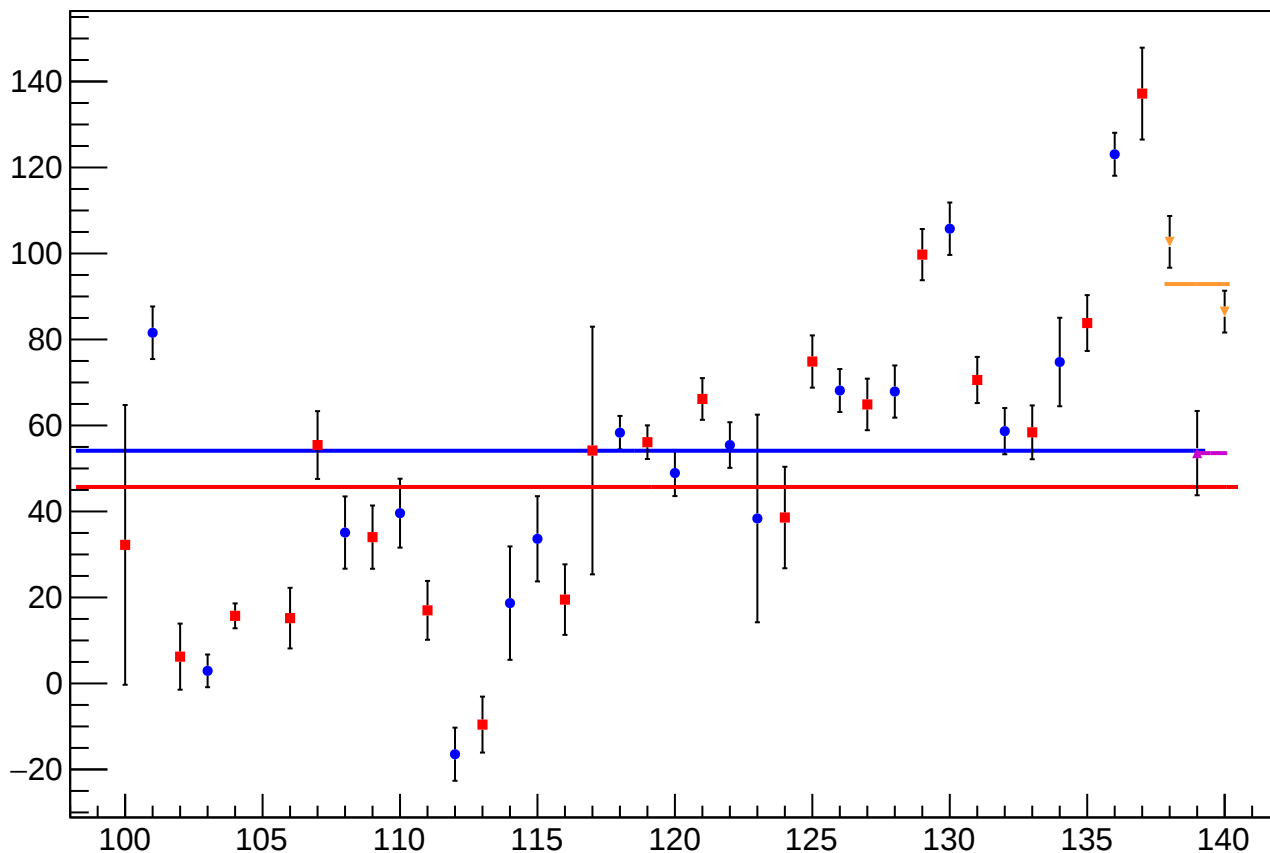
Right Out: 256.418 $\pm$ 2.077 χ^2/NDF : 6453.9/19

Left In: 340.876 $\pm$ 6.179 χ^2/NDF :0.0/0

270.227 $\pm$ 1.916 χ^2/NDF : 5122.7/18

264.991 $\pm$ 1.969 χ^2/NDF : 6621.7/20

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 ± 1.438 χ^2/NDF : 633.9/16

Left Out: 92.888 ± 3.781 χ^2/NDF : 4.4/1

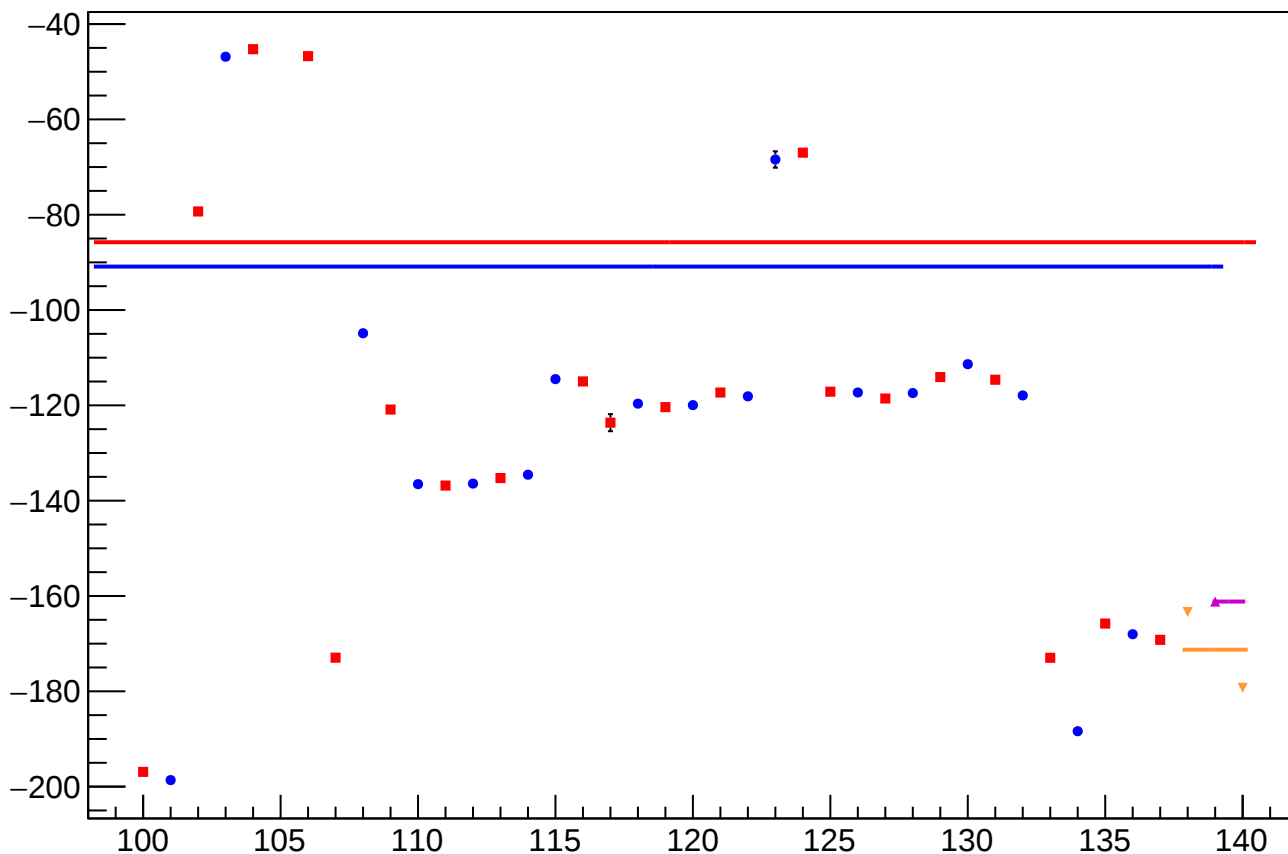
Right Out: 45.694 ± 1.356 χ^2/NDF : 531.1/19

Left In: 53.568 ± 9.802 χ^2/NDF : 0.0/0

59.017 ± 1.344 χ^2/NDF : 730.2/18

45.842 ± 1.343 χ^2/NDF : 531.7/20

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -171.270 ± 0.162 $\chi^2/\text{NDF}: 2418.6/1$

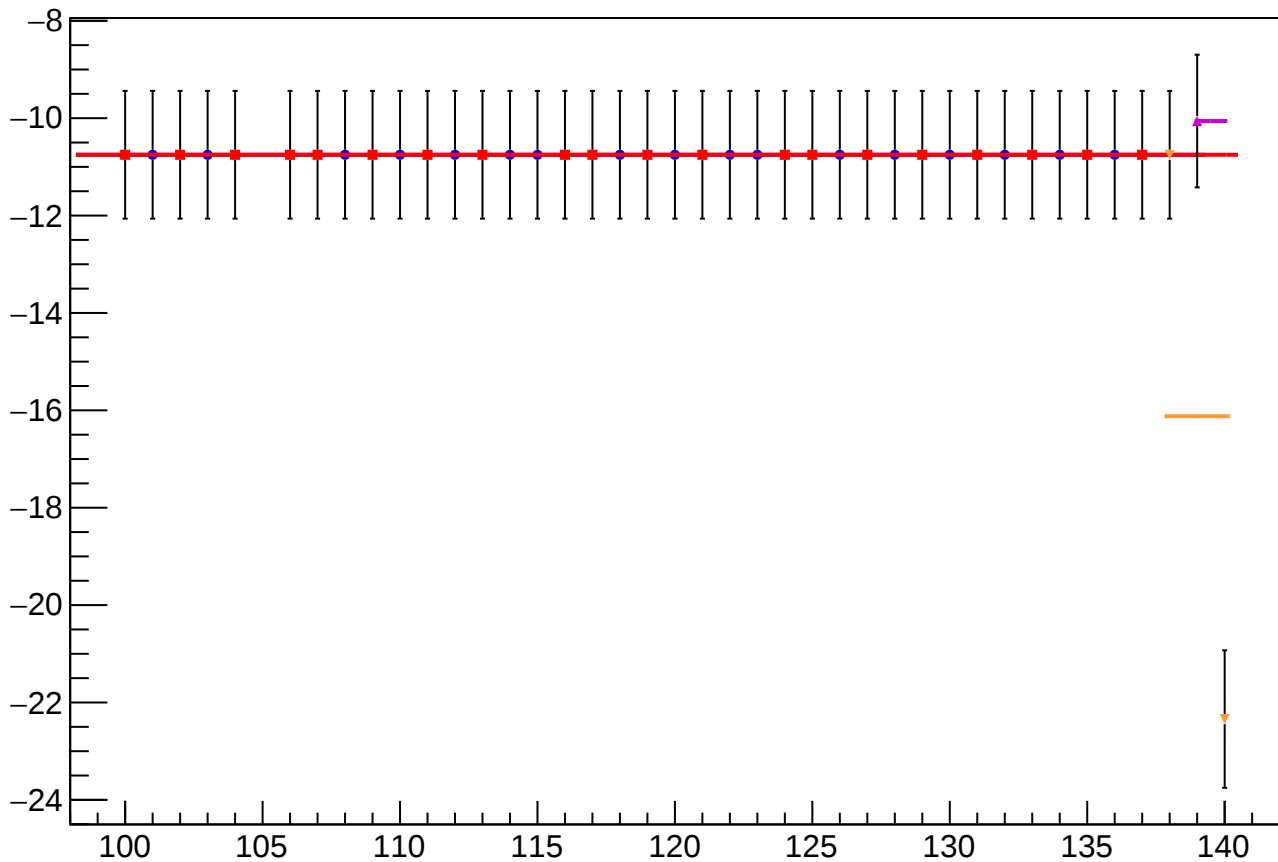
Right Out: -85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

Left In: -161.168 ± 0.217 $\chi^2/\text{NDF}: 0.0/0$

-102.889 ± 0.062 $\chi^2/\text{NDF}: 746112.2/18$

-92.008 ± 0.062 $\chi^2/\text{NDF}: 605843.1/20$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -10.752 ± 0.318 χ^2/NDF : 0.0/16

Left Out: -16.121 ± 0.961 χ^2/NDF : 36.2/1

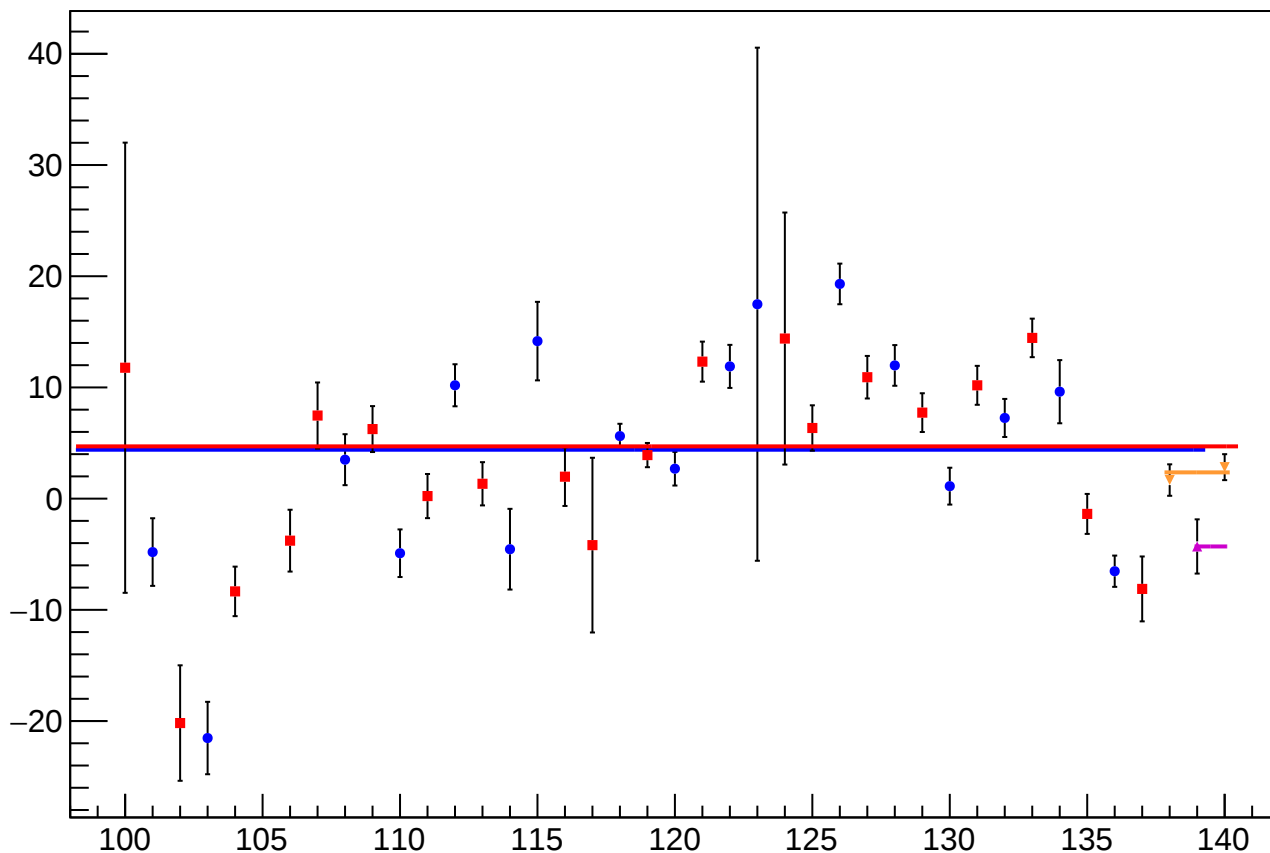
Right Out: -10.752 ± 0.293 χ^2/NDF : 0.0/19

Left In: -10.058 ± 1.362 χ^2/NDF : 0.0/0

-11.282 ± 0.302 χ^2/NDF : 64.3/18

-10.721 ± 0.287 χ^2/NDF : 0.2/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 $\pm$ 0.471 χ^2 /NDF: 286.8/16

Left Out: 2.361 $\pm$ 0.900 χ^2 /NDF: 0.4/1

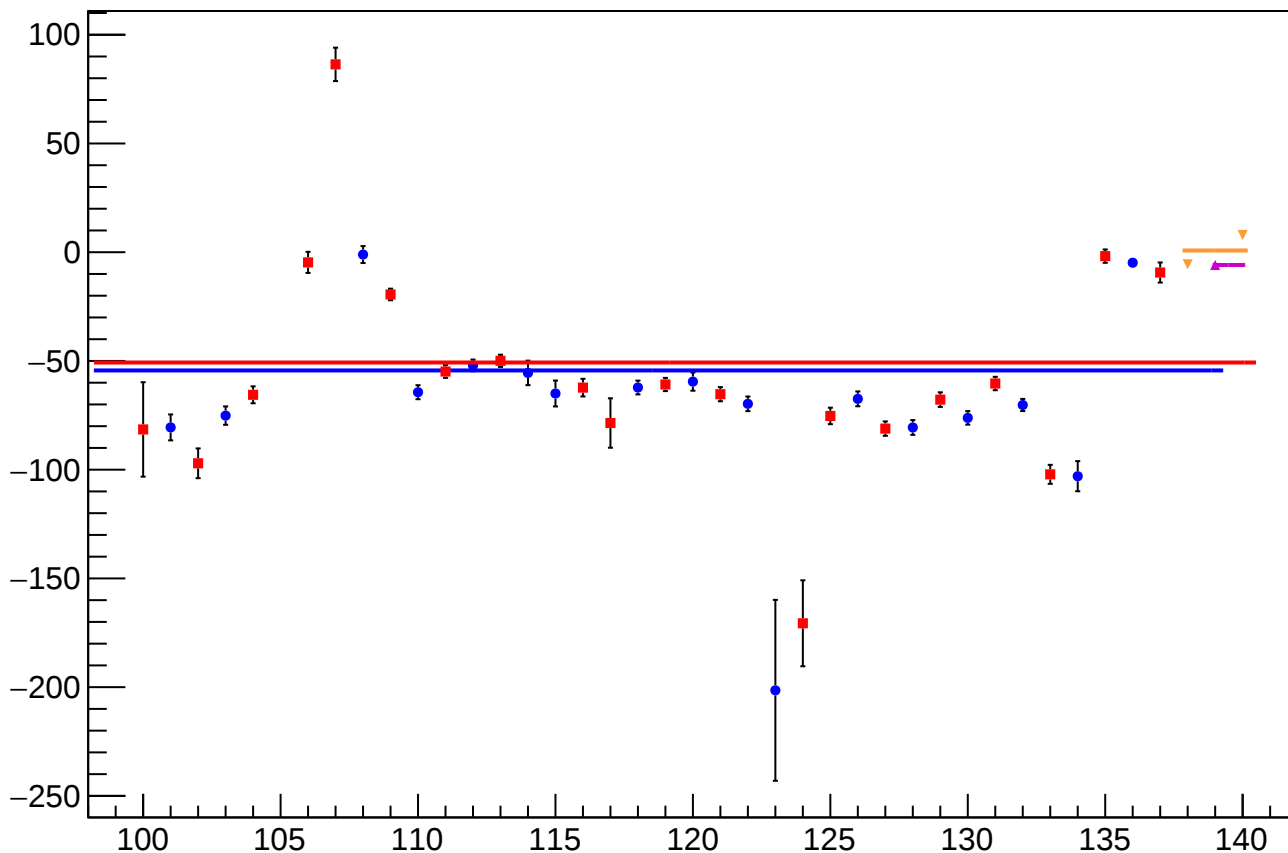
Right Out: 4.700 $\pm$ 0.472 χ^2 /NDF: 184.2/19

Left In: -4.300 $\pm$ 2.439 χ^2 /NDF: 0.0/0

3.961 $\pm$ 0.417 χ^2 /NDF: 291.3/18

4.374 $\pm$ 0.464 χ^2 /NDF: 197.3/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 ± 0.868 $\chi^2/\text{NDF}: 1013.5/16$

Left Out: 0.800 ± 1.034 $\chi^2/\text{NDF}: 42.4/1$

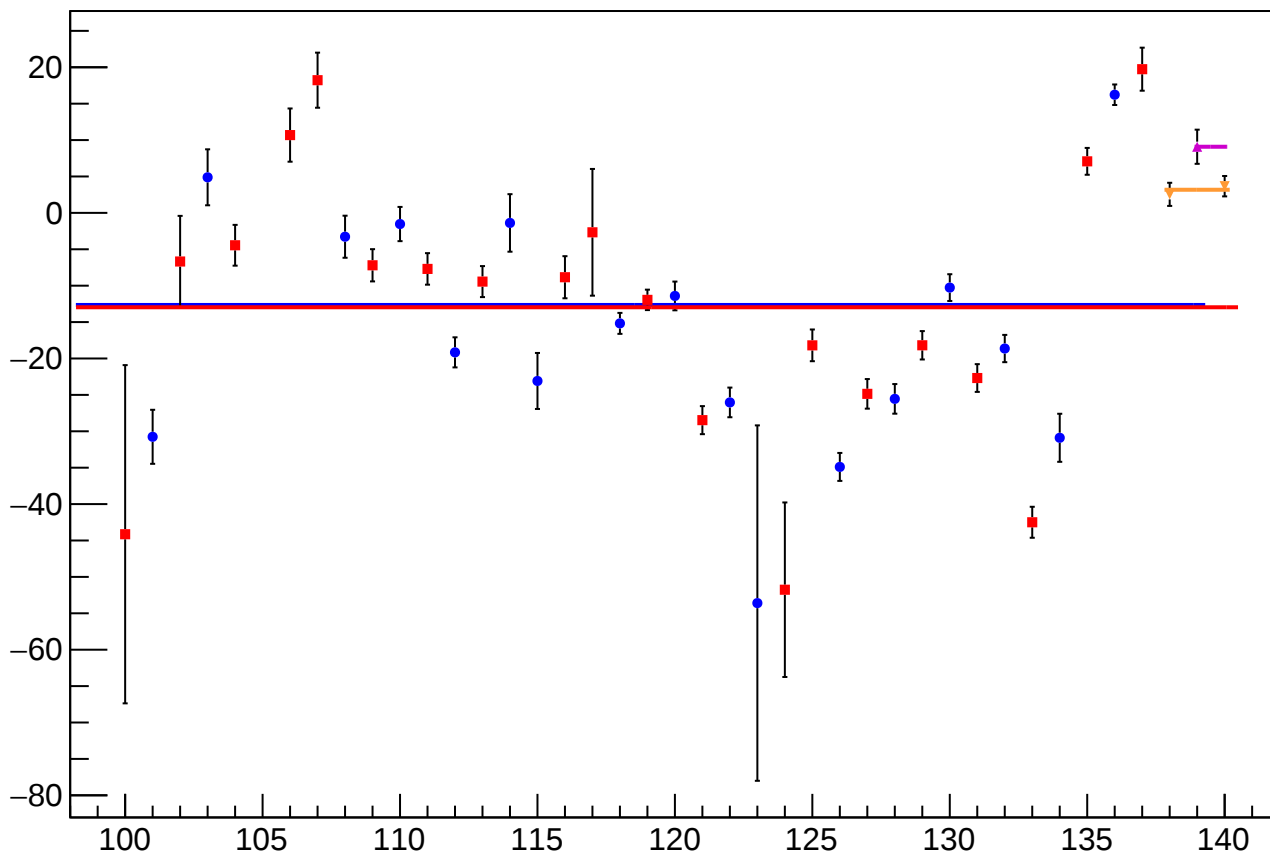
Right Out: -50.712 ± 0.855 $\chi^2/\text{NDF}: 1327.3/19$

Left In: -5.873 ± 1.477 $\chi^2/\text{NDF}: 0.0/0$

-31.542 ± 0.665 $\chi^2/\text{NDF}: 2726.1/18$

-39.451 ± 0.740 $\chi^2/\text{NDF}: 2017.9/20$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 $\pm$ 0.536 χ^2 /NDF: 788.4/16

Left Out: 3.176 $\pm$ 1.050 χ^2 /NDF: 0.3/1

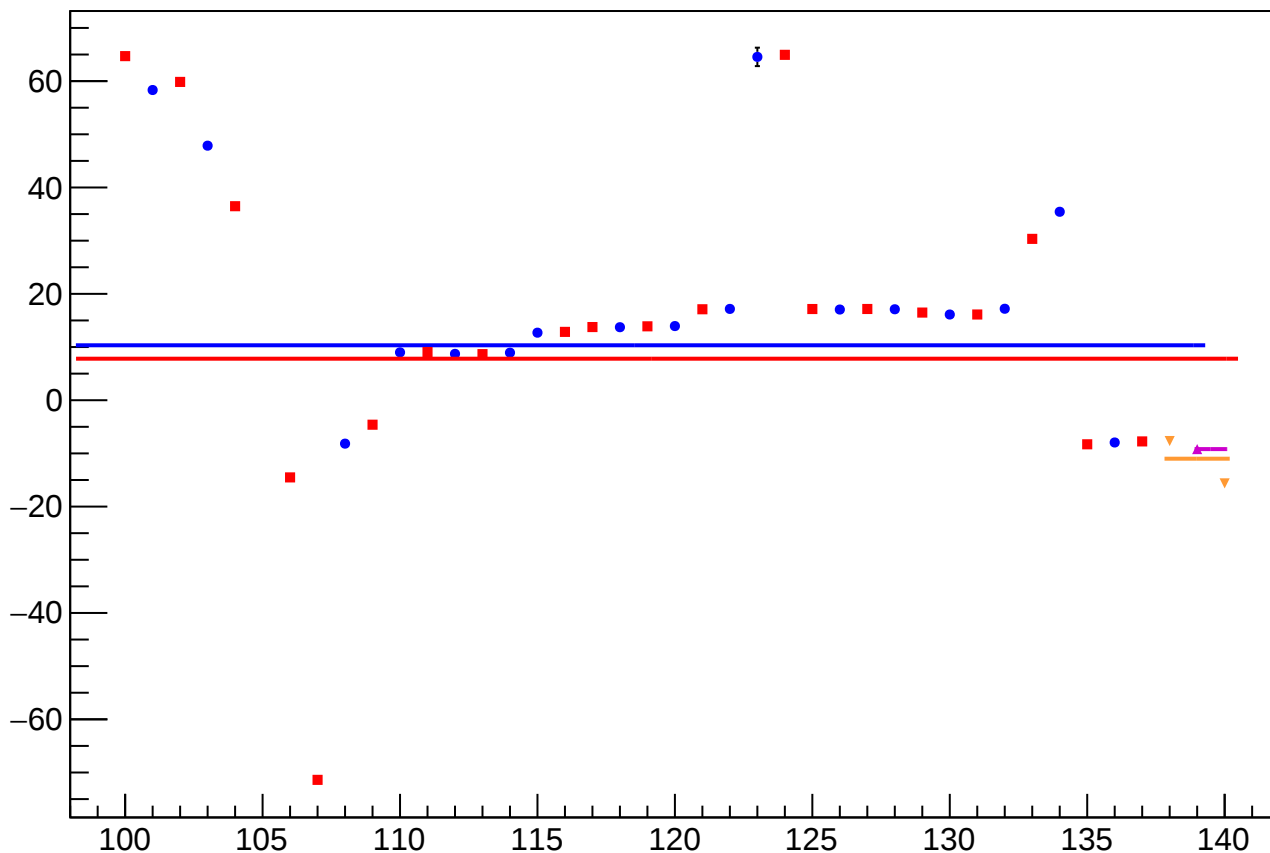
Right Out: -12.965 $\pm$ 0.536 χ^2 /NDF: 722.8/19

Left In: 9.084 $\pm$ 2.346 χ^2 /NDF: 0.0/0

-9.376 $\pm$ 0.478 χ^2 /NDF: 968.7/18

-11.870 $\pm$ 0.523 χ^2 /NDF: 806.8/20

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -10.995+/-0.042 χ^2/NDF : 8669.3/1

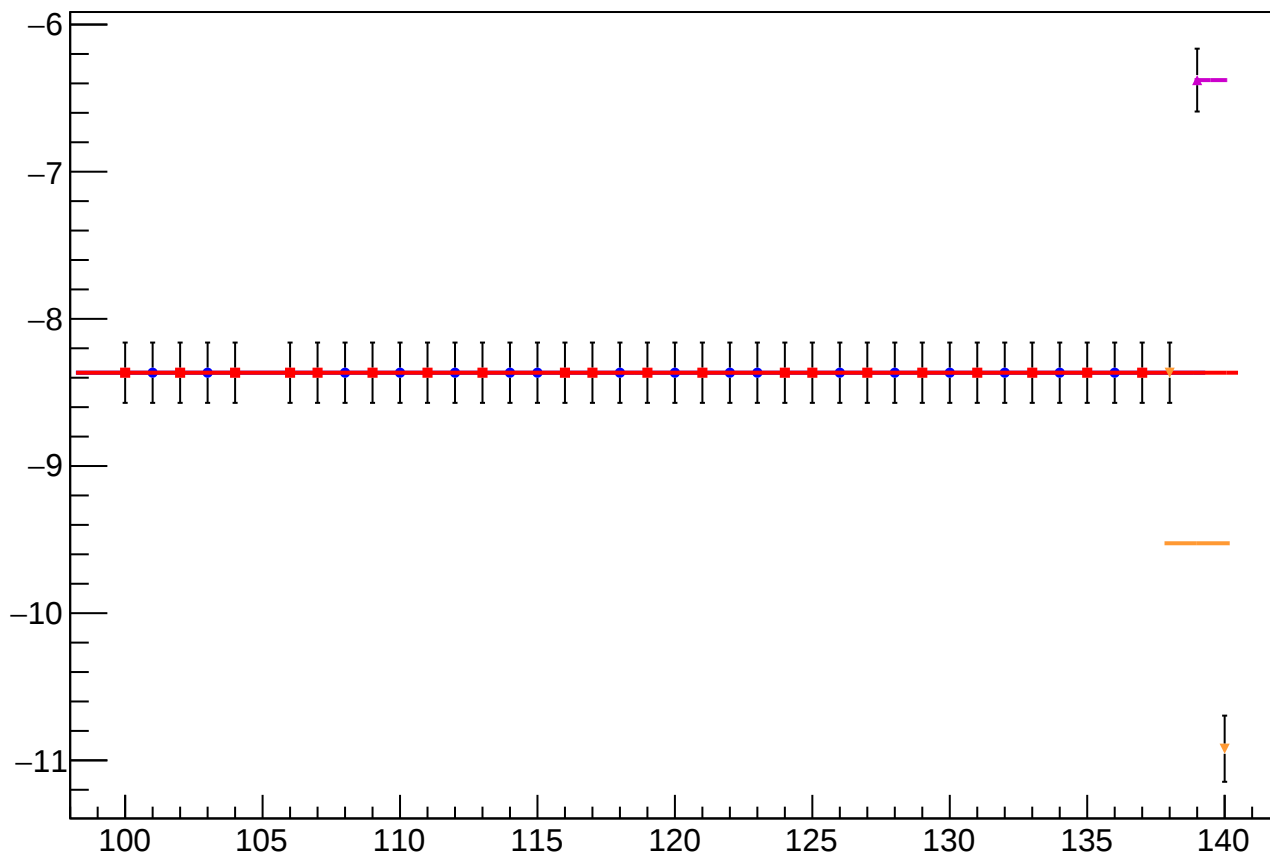
Right Out: 7.808+/-0.031 χ^2/NDF : 544249.7/19

Left In: -9.189+/-0.052 χ^2/NDF : 0.0/0

2.948+/-0.025 χ^2/NDF : 556814.1/18

3.275+/-0.027 χ^2/NDF : 623144.6/20

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -8.366 $\pm$ 0.050 χ^2 /NDF: 0.0/16

Left Out: -9.525 $\pm$ 0.151 χ^2 /NDF: 70.6/1

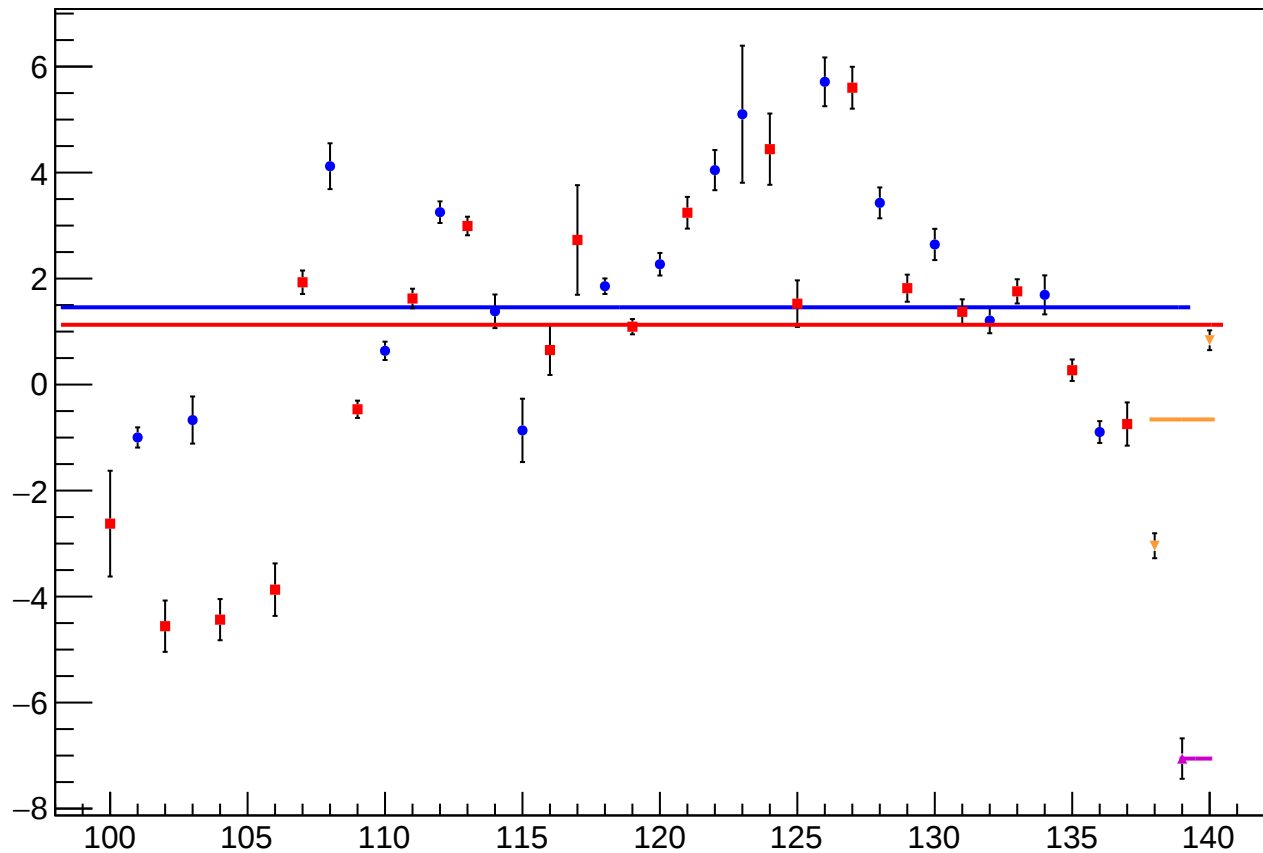
Right Out: -8.366 $\pm$ 0.046 χ^2 /NDF: 0.0/19

Left In: -6.378 $\pm$ 0.214 χ^2 /NDF: 0.0/0

-8.479 $\pm$ 0.047 χ^2 /NDF: 123.5/18

-8.279 $\pm$ 0.045 χ^2 /NDF: 82.9/20

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 +/- 0.062 χ^2/NDF : 698.2/16

Left Out: -0.658 +/- 0.146 χ^2/NDF : 166.7/1

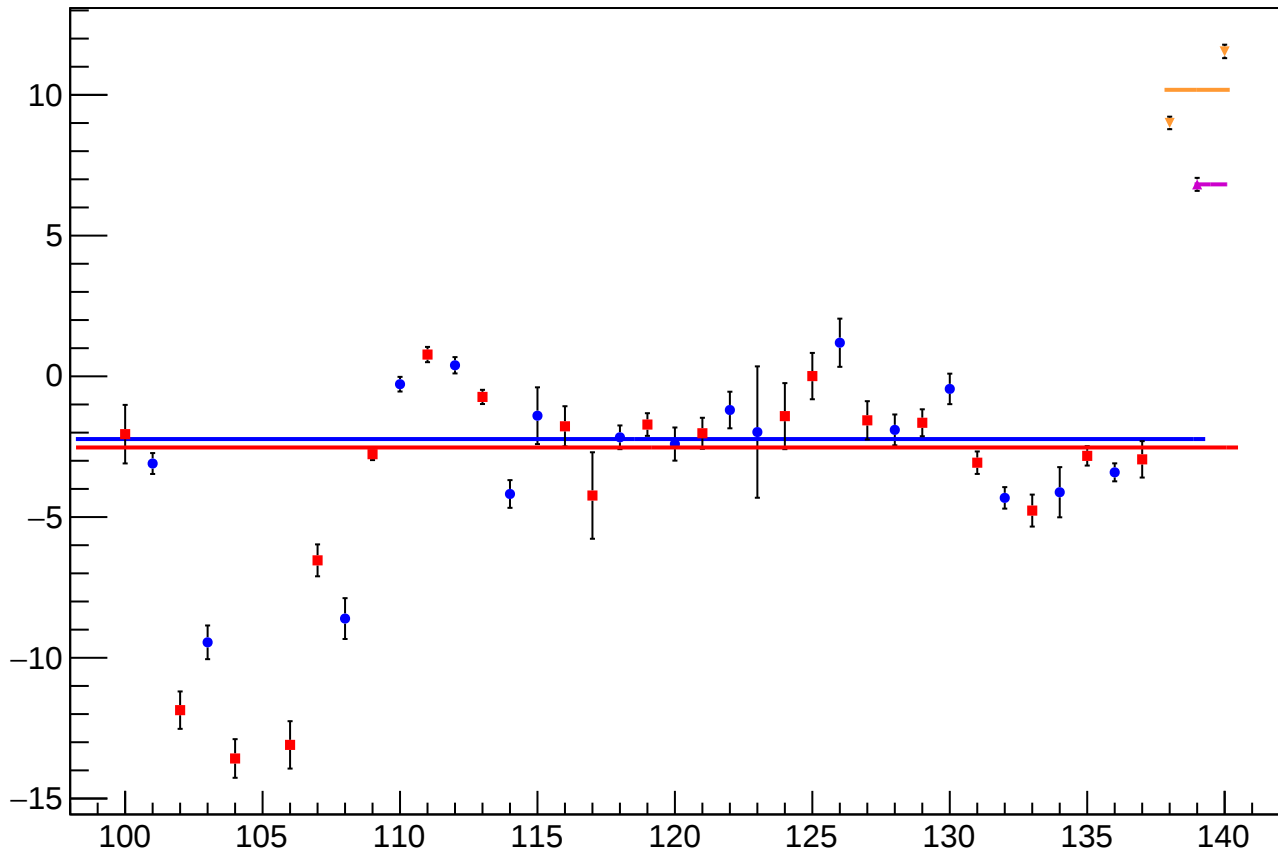
Right Out: 1.128 +/- 0.058 χ^2/NDF : 949.8/19

Left In: -7.057 +/- 0.382 χ^2/NDF : 0.0/0

1.136 +/- 0.057 χ^2/NDF : 1042.6/18

0.943 +/- 0.057 χ^2/NDF : 1399.6/20

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 10.180 ± 0.163 χ^2/NDF : 60.4/1

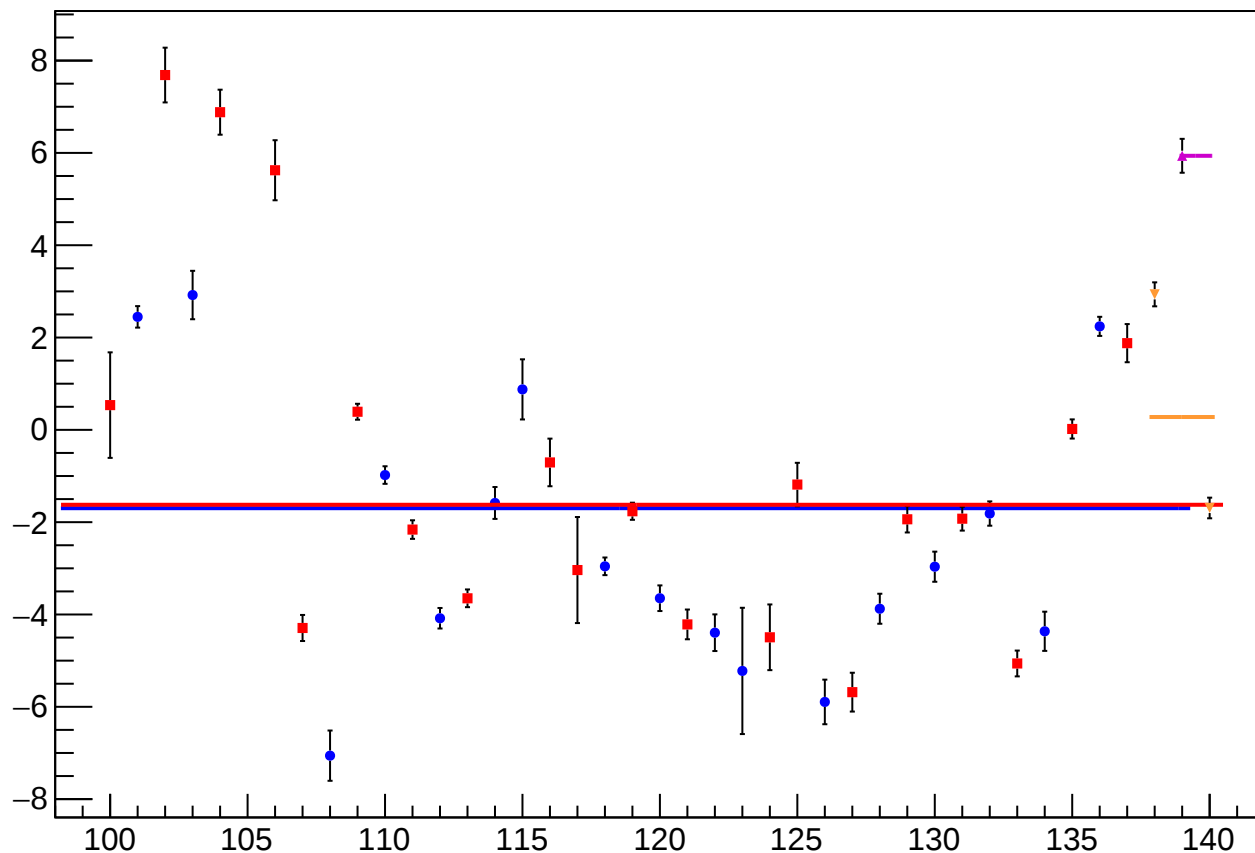
Right Out: -2.527 ± 0.099 χ^2/NDF : 905.2/19

Left In: 6.820 ± 0.231 χ^2/NDF : 0.0/0

1.715 ± 0.092 χ^2/NDF : 4473.2/18

-1.087 ± 0.091 χ^2/NDF : 2285.2/20

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: 0.278 ± 0.169 χ^2/NDF : 182.3/1

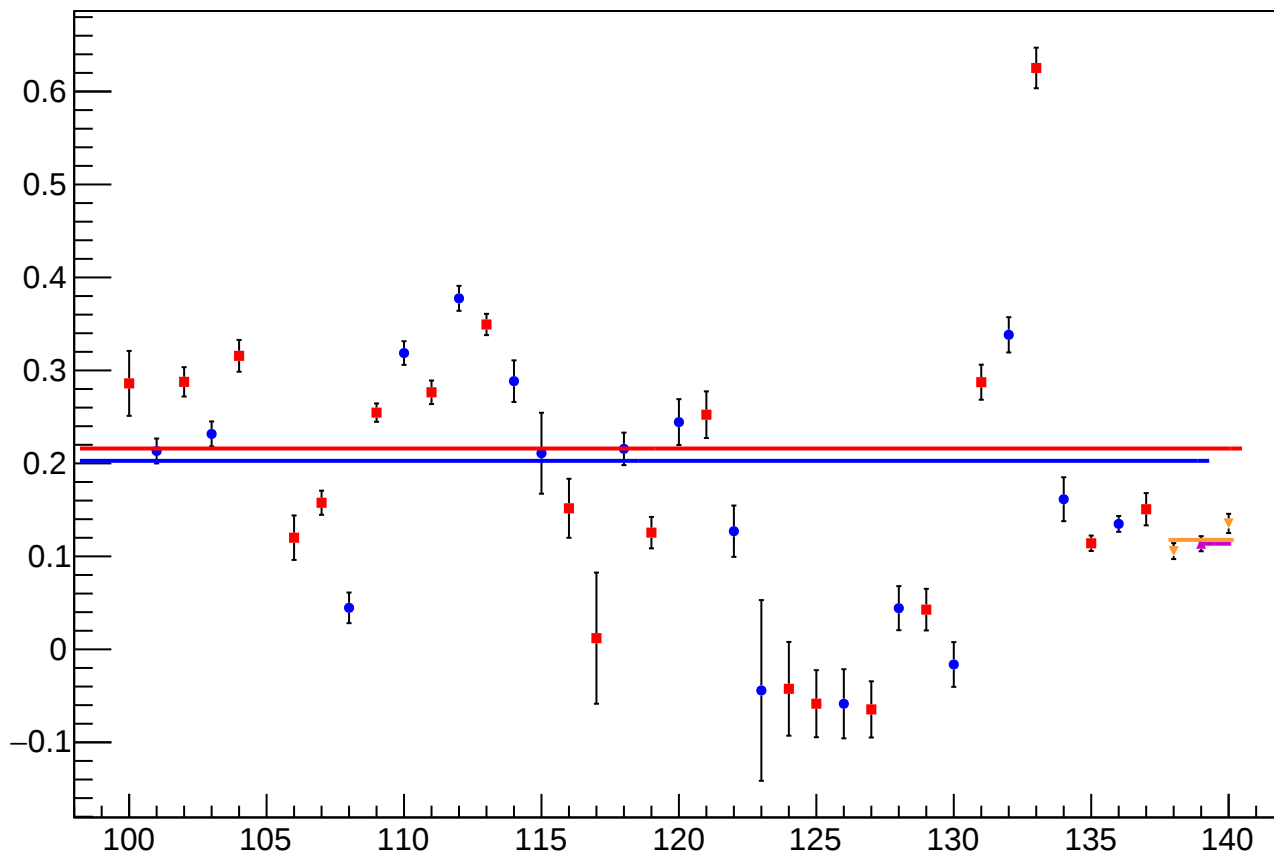
Right Out: -1.623 ± 0.066 χ^2/NDF : 1490.8/19

Left In: 5.937 ± 0.367 χ^2/NDF : 0.0/0

-1.402 ± 0.066 χ^2/NDF : 1617.2/18

-1.389 ± 0.065 χ^2/NDF : 1901.5/20

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.118 ± 0.007 χ^2/NDF : 4.9/1

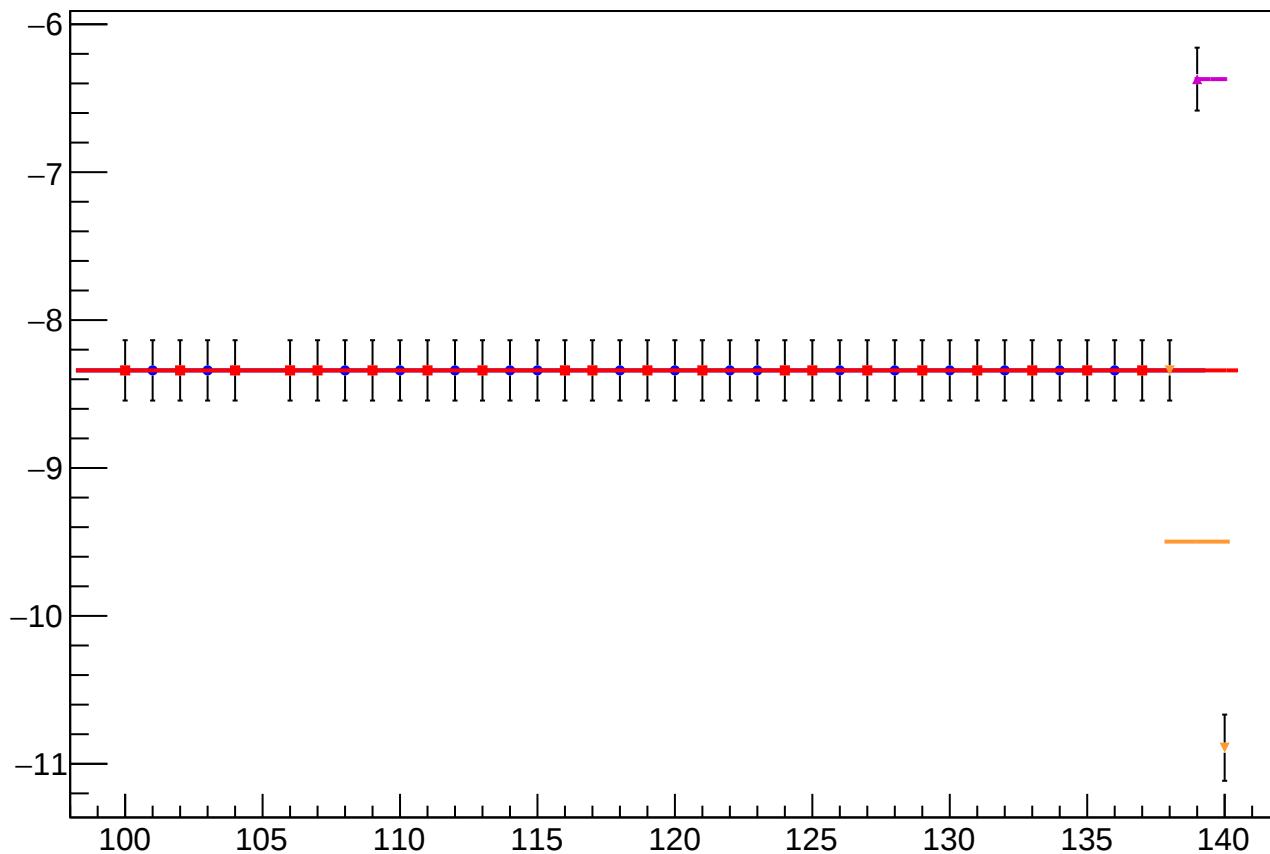
Right Out: 0.216 ± 0.004 χ^2/NDF : 1072.8/19

Left In: 0.114 ± 0.008 χ^2/NDF : 0.0/0

0.179 ± 0.004 χ^2/NDF : 800.7/18

0.198 ± 0.003 χ^2/NDF : 1204.7/20

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -8.340 $\pm$ 0.049 χ^2 /NDF: 0.0/16

Left Out: -9.498 $\pm$ 0.151 χ^2 /NDF: 71.0/1

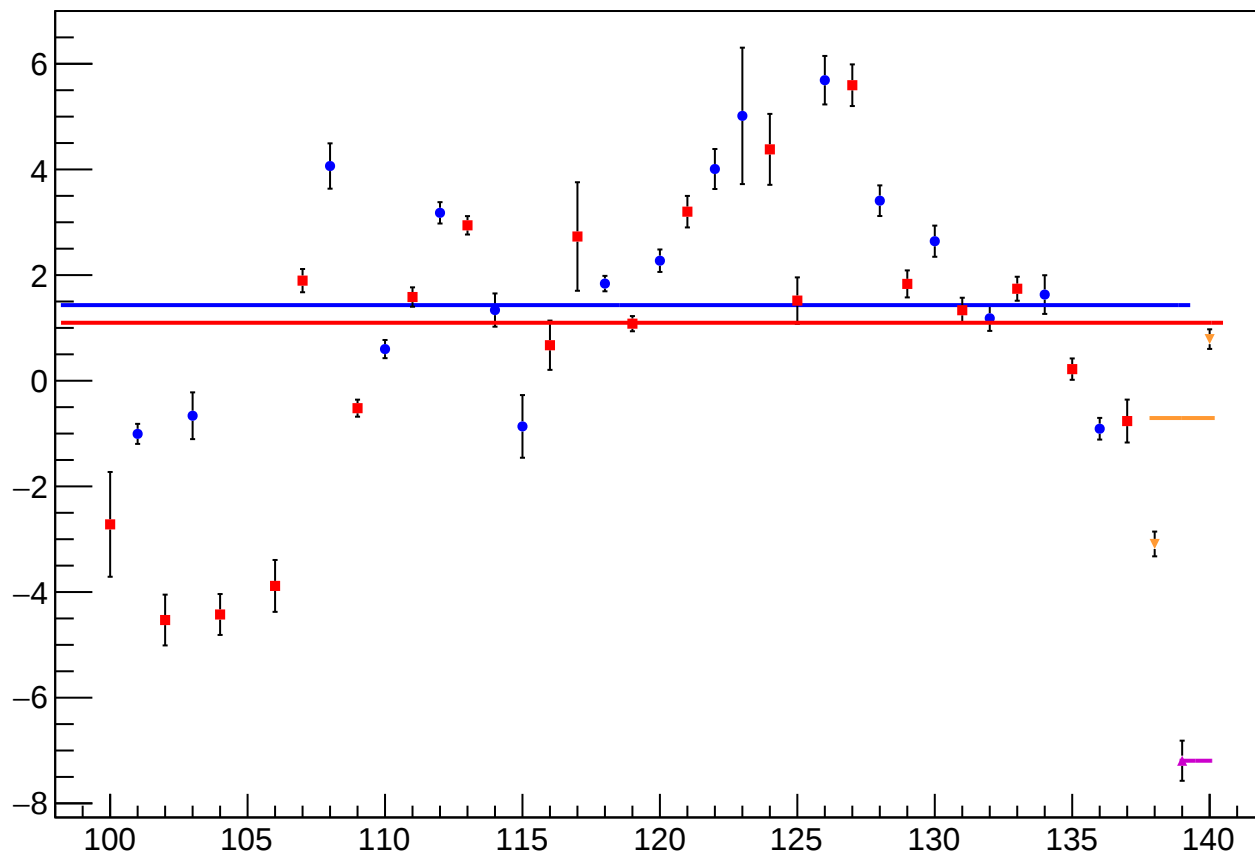
Right Out: -8.340 $\pm$ 0.046 χ^2 /NDF: 0.0/19

Left In: -6.371 $\pm$ 0.213 χ^2 /NDF: 0.0/0

-8.453 $\pm$ 0.047 χ^2 /NDF: 124.2/18

-8.253 $\pm$ 0.045 χ^2 /NDF: 82.0/20

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 $\pm$ 0.062 χ^2 /NDF: 696.6/16

Left Out: -0.706 $\pm$ 0.145 χ^2 /NDF:168.3/1

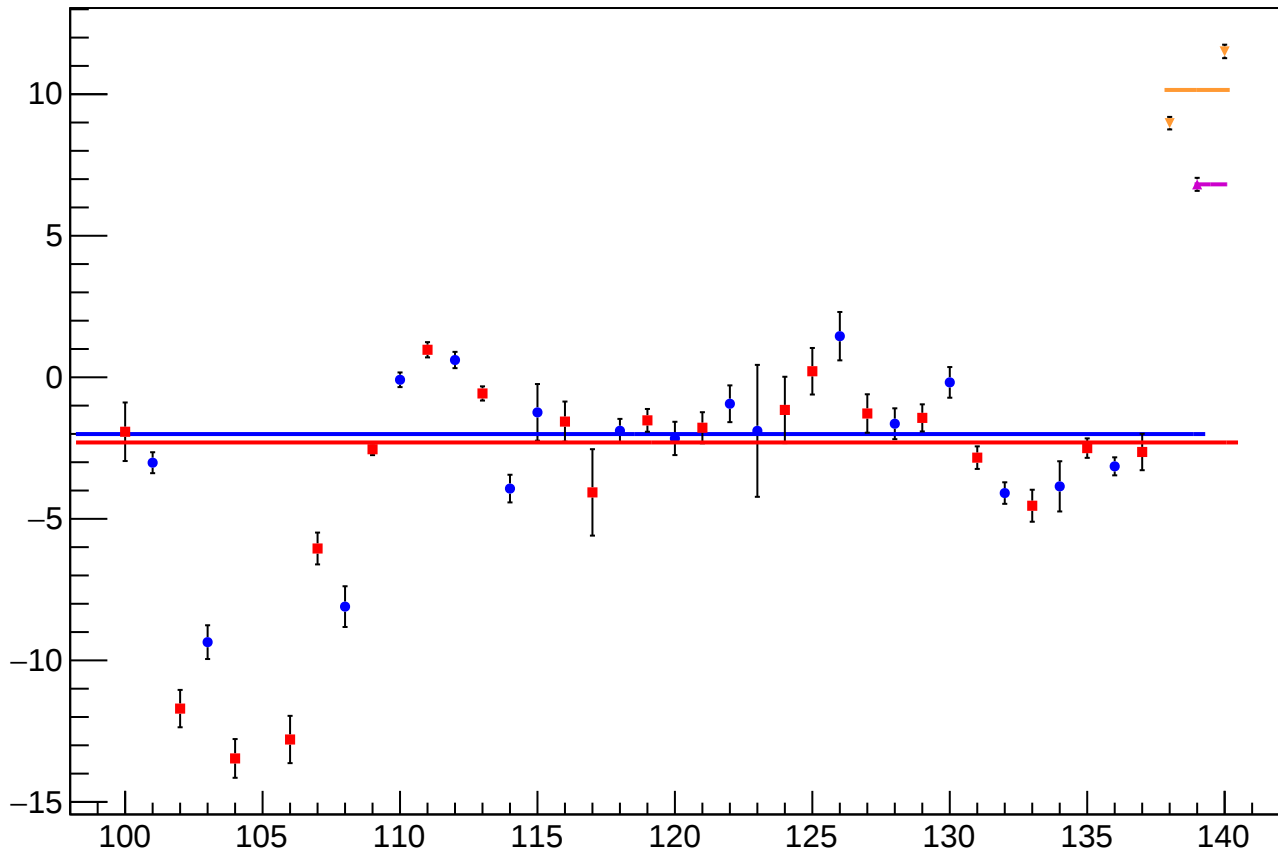
Right Out: 1.098 $\pm$ 0.058 χ^2 /NDF: 955.7/19

Left In: -7.193 $\pm$ 0.380 χ^2 /NDF:0.0/0

1.106 $\pm$ 0.057 χ^2 /NDF: 1047.9/18

0.910 $\pm$ 0.057 χ^2 /NDF: 1421.3/20

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 10.151 ± 0.162 χ^2/NDF : 60.7/1

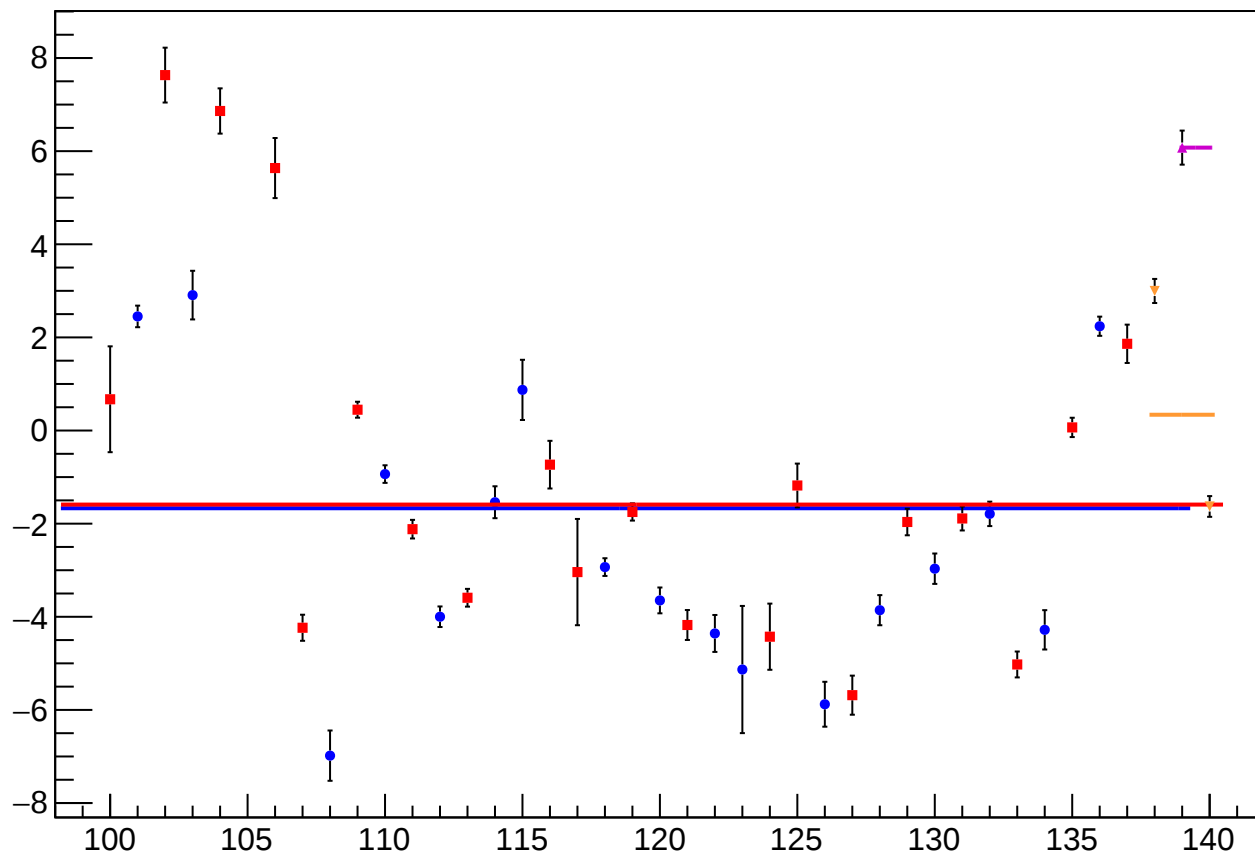
Right Out: -2.302 ± 0.098 χ^2/NDF : 908.6/19

Left In: 6.816 ± 0.230 χ^2/NDF : 0.0/0

1.856 ± 0.091 χ^2/NDF : 4352.1/18

-0.899 ± 0.090 χ^2/NDF : 2233.3/20

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: 0.339 ± 0.169 χ^2/NDF : 183.9/1

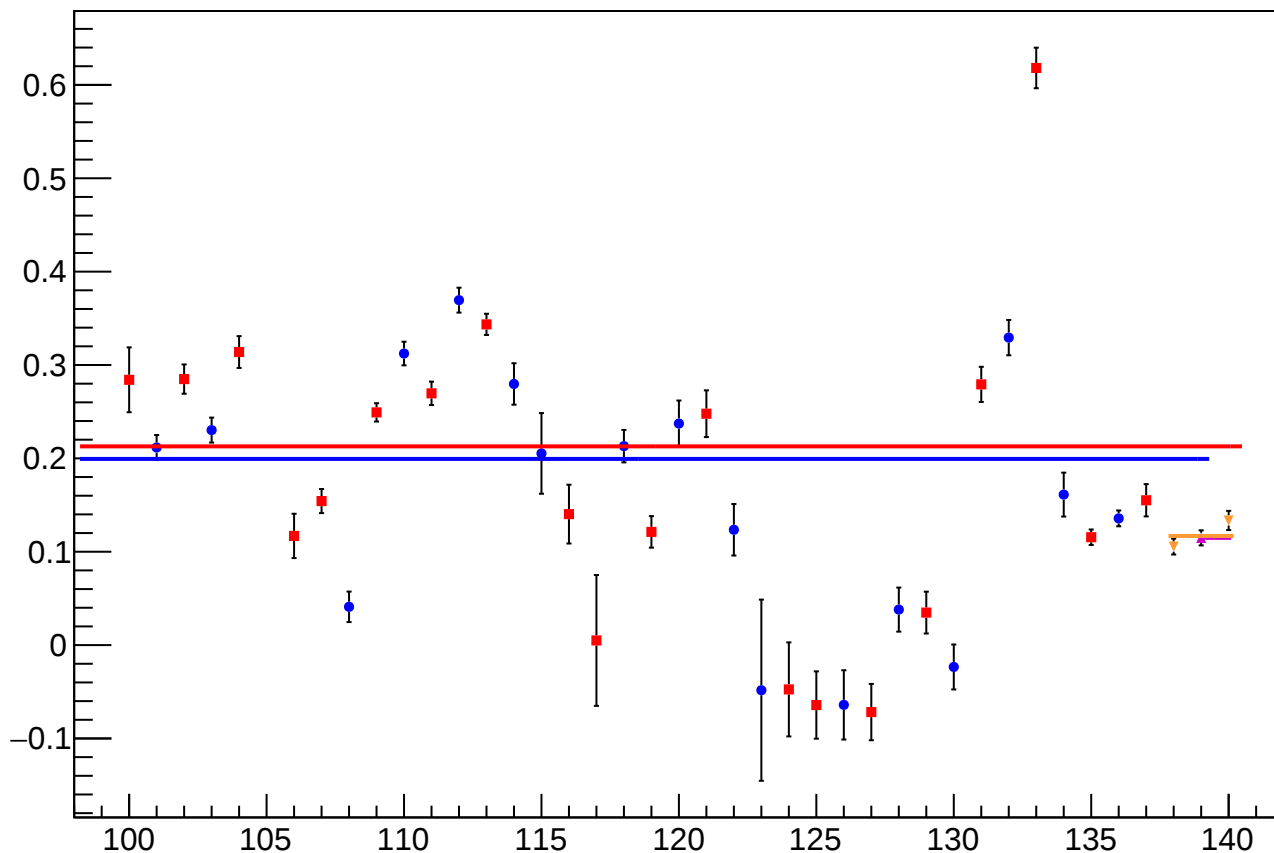
Right Out: -1.590 ± 0.065 χ^2/NDF : 1496.3/19

Left In: 6.076 ± 0.366 χ^2/NDF : 0.0/0

-1.369 ± 0.065 χ^2/NDF : 1619.3/18

-1.353 ± 0.064 χ^2/NDF : 1922.3/20

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 $\pm$ 0.004 χ^2/NDF : 662.1/16

Left Out: 0.117 $\pm$ 0.007 χ^2/NDF : 4.4/1

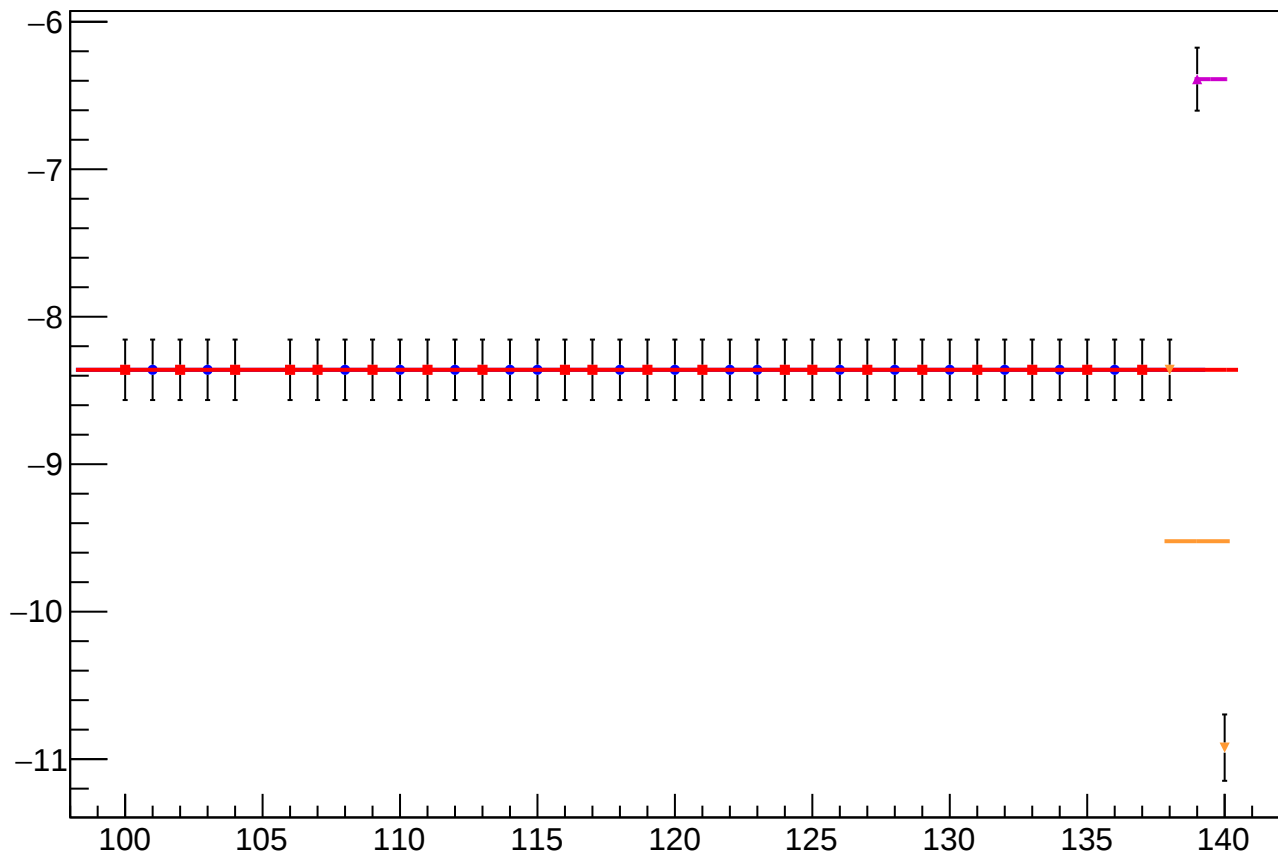
Right Out: 0.213 $\pm$ 0.004 χ^2/NDF : 1057.0/19

Left In: 0.115 $\pm$ 0.008 χ^2/NDF : 0.0/0

0.176 $\pm$ 0.003 χ^2/NDF : 779.9/18

0.196 $\pm$ 0.003 χ^2/NDF : 1178.9/20

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -8.360 $\pm$ 0.050 χ^2 /NDF: 0.0/16

Left Out: -9.522 $\pm$ 0.152 χ^2 /NDF: 70.9/1

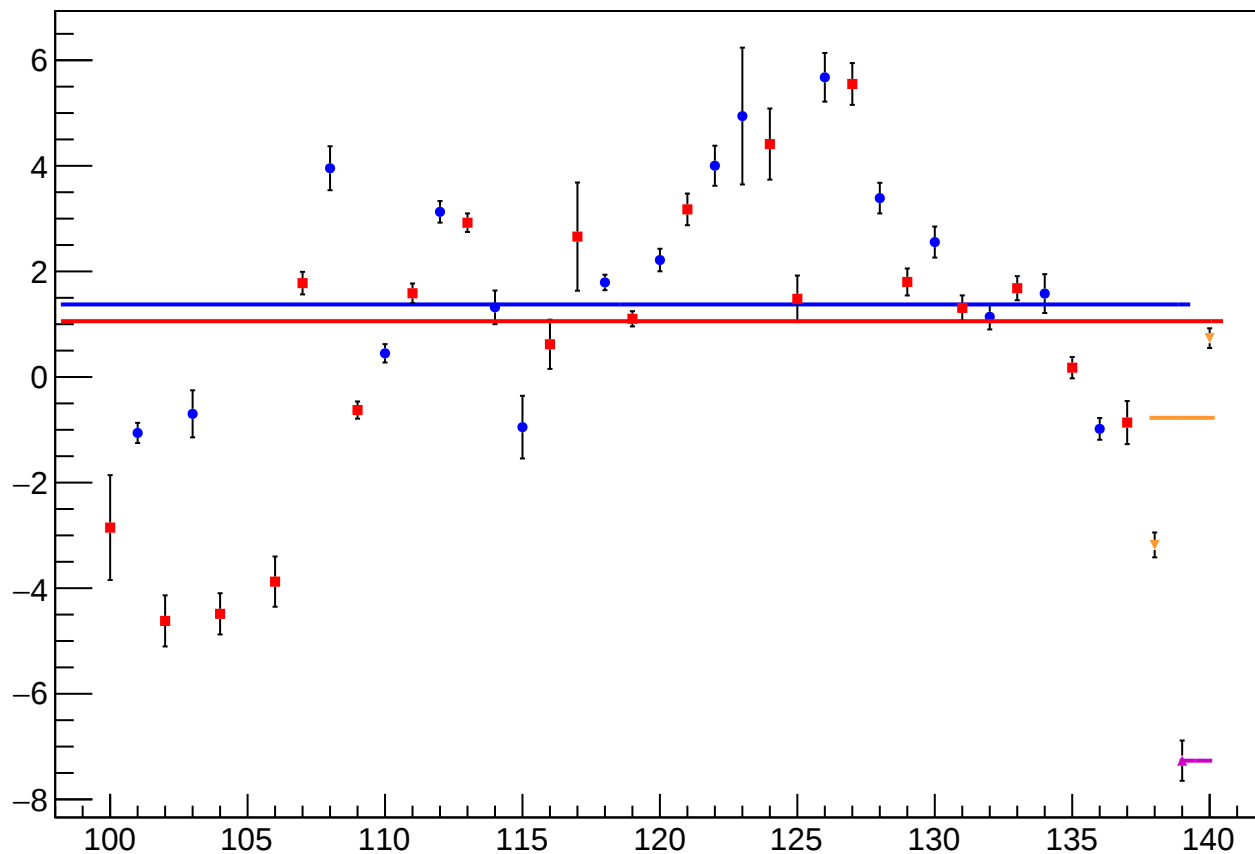
Right Out: -8.360 $\pm$ 0.046 χ^2 /NDF: 0.0/19

Left In: -6.389 $\pm$ 0.214 χ^2 /NDF: 0.0/0

-8.473 $\pm$ 0.047 χ^2 /NDF: 124.0/18

-8.273 $\pm$ 0.045 χ^2 /NDF: 81.4/20

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: -0.773 ± 0.146 χ^2/NDF : 169.9/1

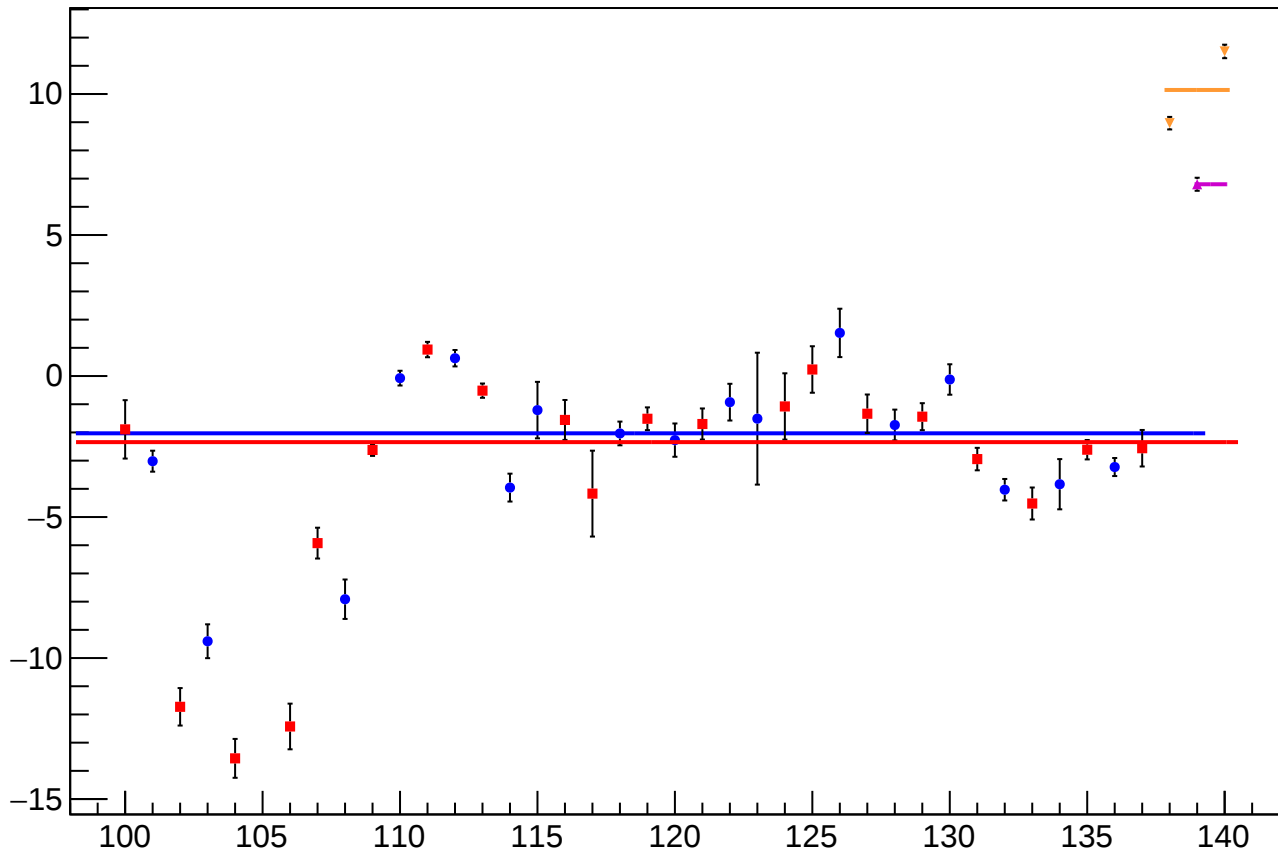
Right Out: 1.058 ± 0.058 χ^2/NDF : 966.5/19

Left In: -7.267 ± 0.382 χ^2/NDF : 0.0/0

1.048 ± 0.057 χ^2/NDF : 1055.3/18

0.870 ± 0.057 χ^2/NDF : 1431.9/20

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 10.144 ± 0.163 χ^2/NDF : 60.5/1

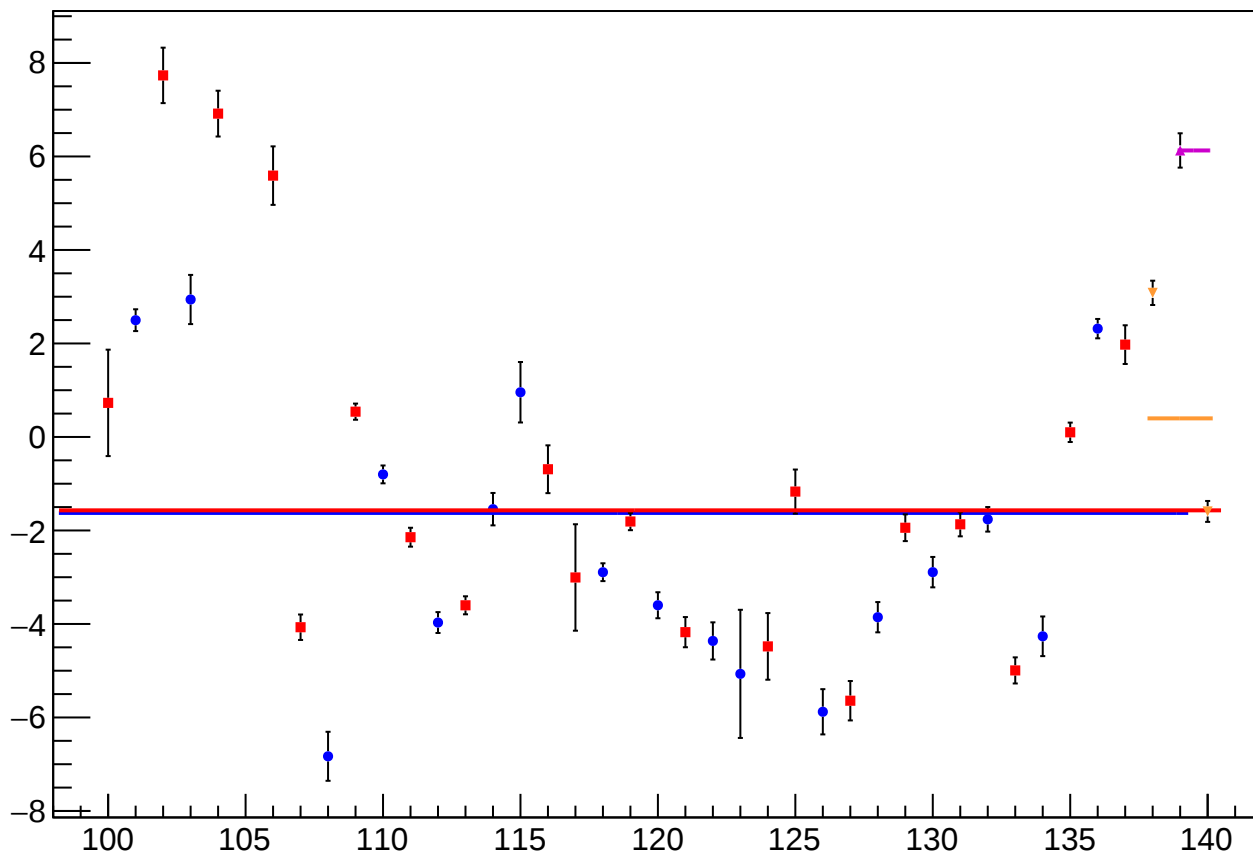
Right Out: -2.344 ± 0.099 χ^2/NDF : 903.4/19

Left In: 6.800 ± 0.231 χ^2/NDF : 0.0/0

1.837 ± 0.092 χ^2/NDF : 4325.0/18

-0.936 ± 0.091 χ^2/NDF : 2223.9/20

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: 0.397 ± 0.170 χ^2/NDF : 185.8/1

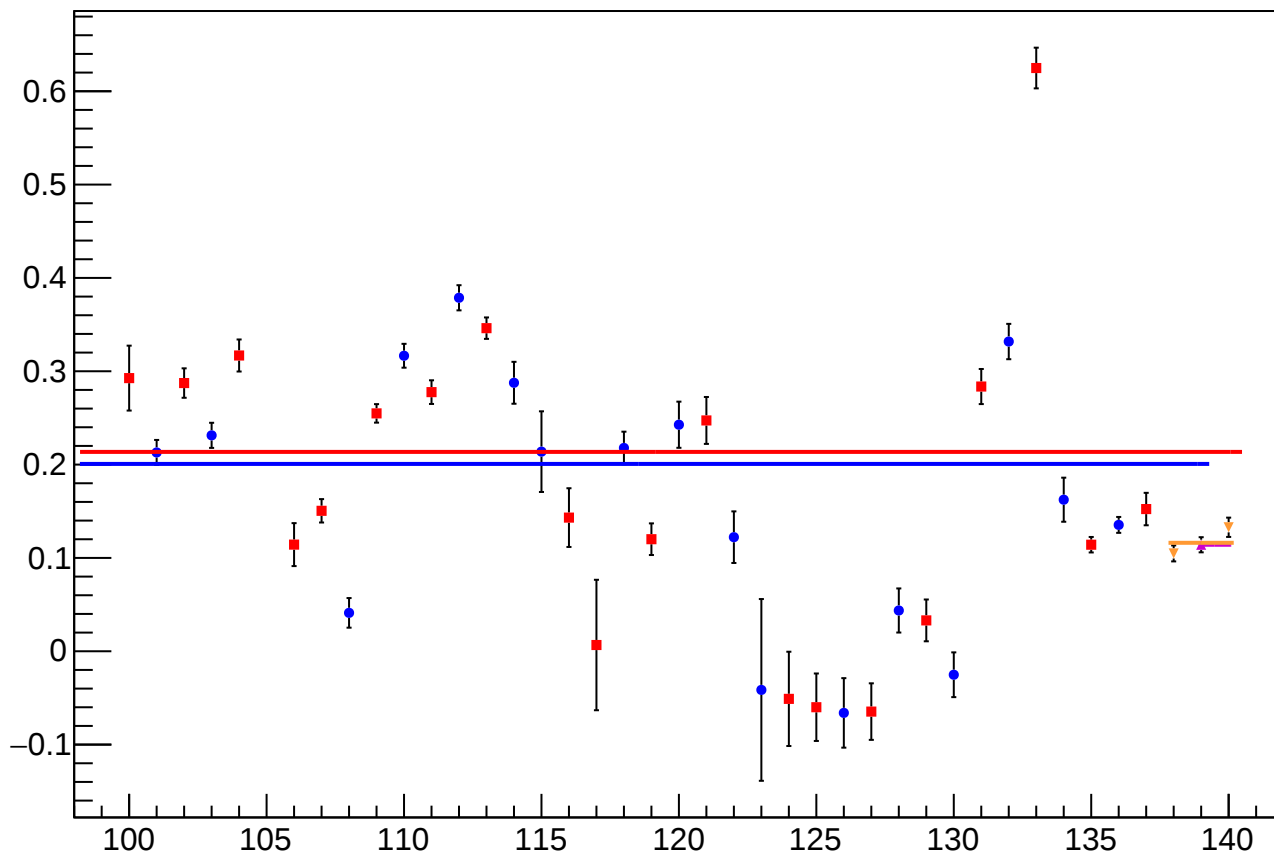
Right Out: -1.570 ± 0.065 χ^2/NDF : 1507.4/19

Left In: 6.128 ± 0.367 χ^2/NDF : 0.0/0

-1.322 ± 0.066 χ^2/NDF : 1627.5/18

-1.332 ± 0.064 χ^2/NDF : 1933.3/20

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16

Left Out: 0.116 $\pm$ 0.007 χ^2 /NDF: 4.4/1

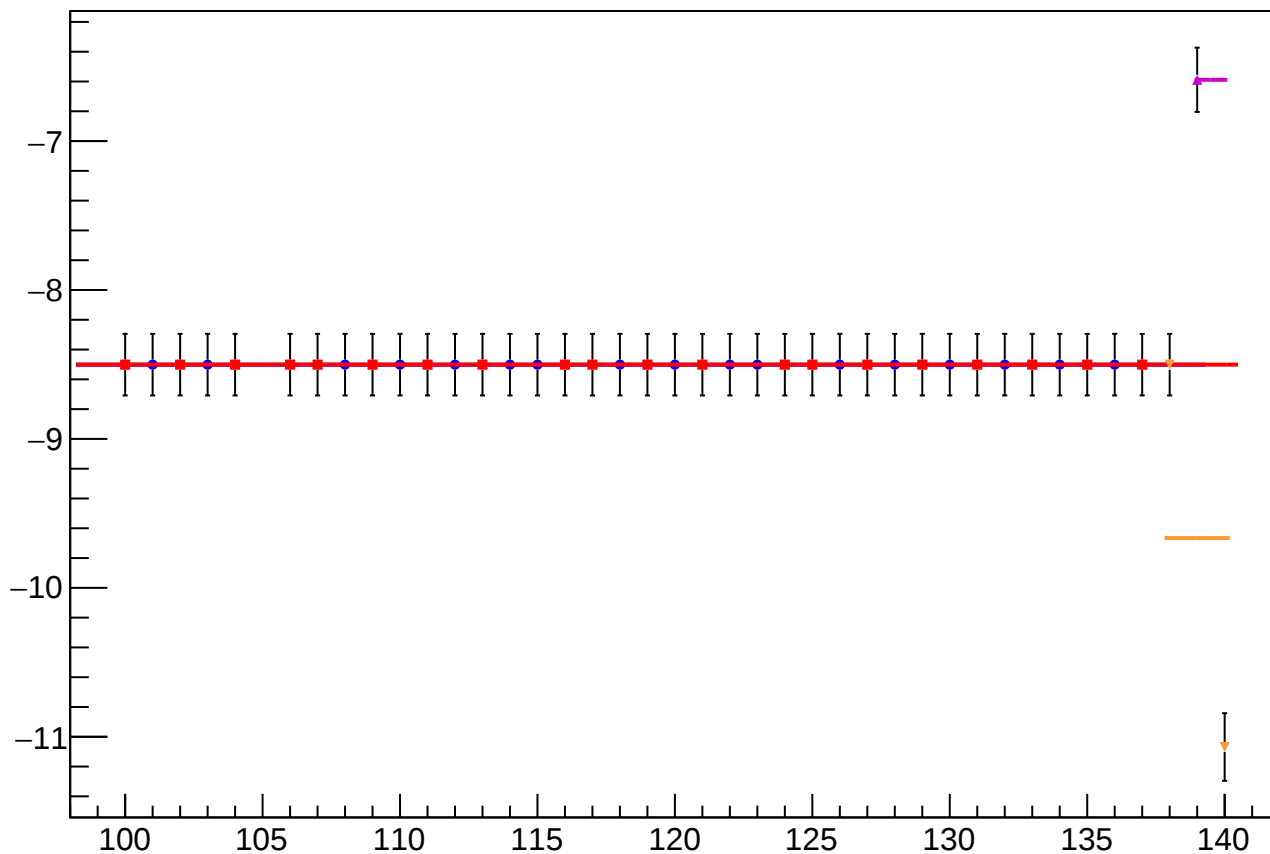
Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1089.2/19

Left In: 0.114 $\pm$ 0.008 χ^2 /NDF: 0.0/0

0.177 $\pm$ 0.004 χ^2 /NDF: 812.8/18

0.197 $\pm$ 0.003 χ^2 /NDF: 1213.9/20

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -8.501 ± 0.050 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -9.666 ± 0.153 $\chi^2/\text{NDF}: 69.9/1$

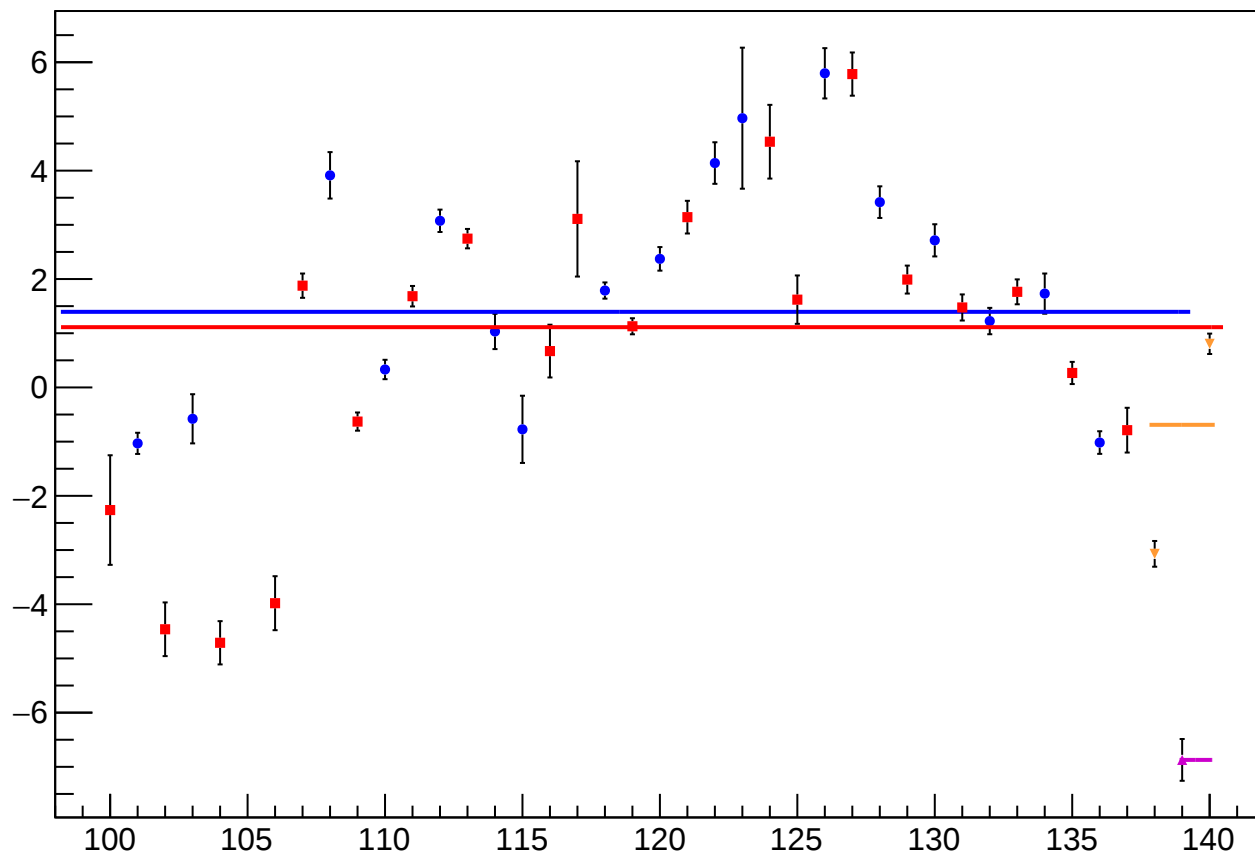
Right Out: -8.501 ± 0.046 $\chi^2/\text{NDF}: 0.0/19$

Left In: -6.589 ± 0.216 $\chi^2/\text{NDF}: 0.0/0$

-8.614 ± 0.048 $\chi^2/\text{NDF}: 122.3/18$

-8.417 ± 0.045 $\chi^2/\text{NDF}: 75.1/20$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 $\pm$ 0.063 χ^2 /NDF: 701.4/16

Left Out: -0.690 $\pm$ 0.147 χ^2 /NDF:163.6/1

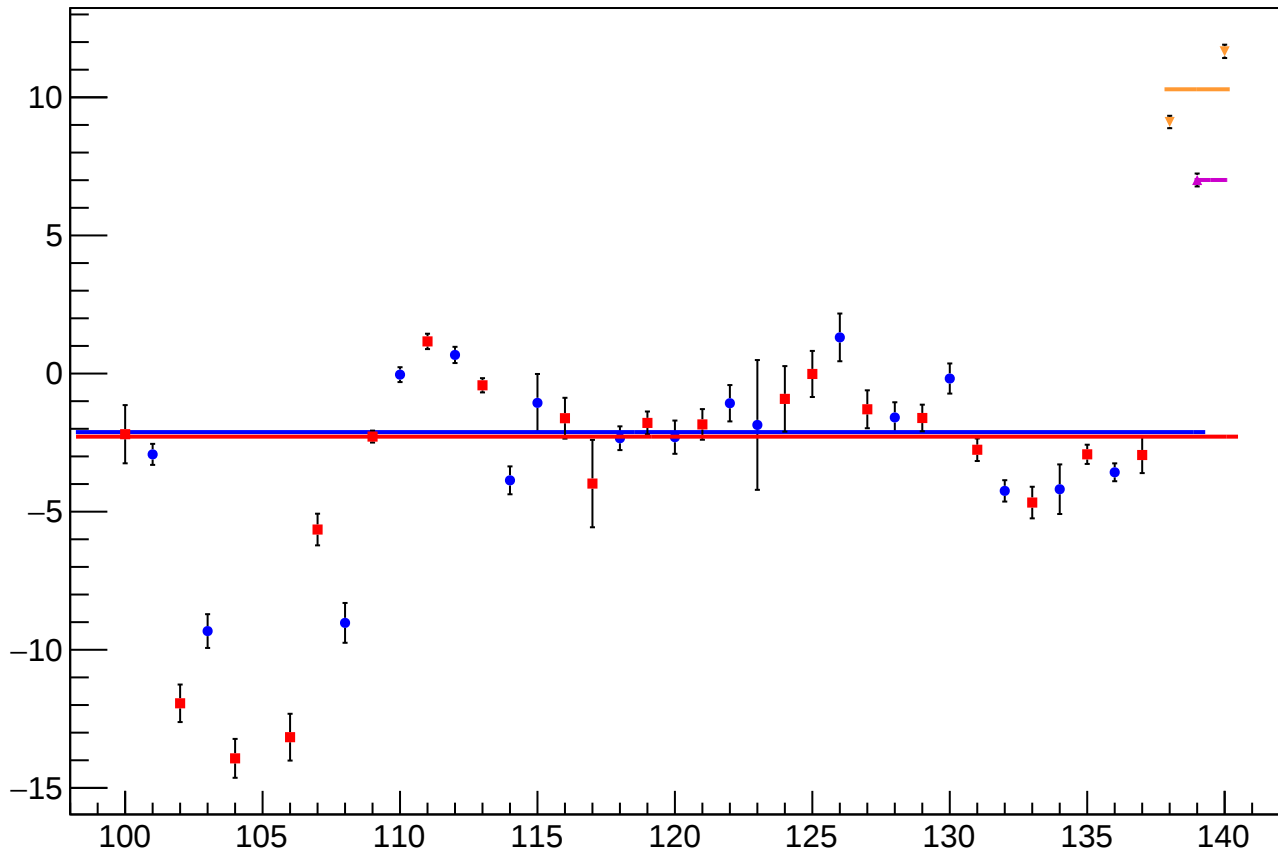
Right Out: 1.112 $\pm$ 0.059 χ^2 /NDF: 940.5/19

Left In: -6.872 $\pm$ 0.386 χ^2 /NDF:0.0/0

1.073 $\pm$ 0.058 χ^2 /NDF: 1033.9/18

0.928 $\pm$ 0.058 χ^2 /NDF: 1359.5/20

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 10.291 ± 0.165 $\chi^2/\text{NDF}: 60.0/1$

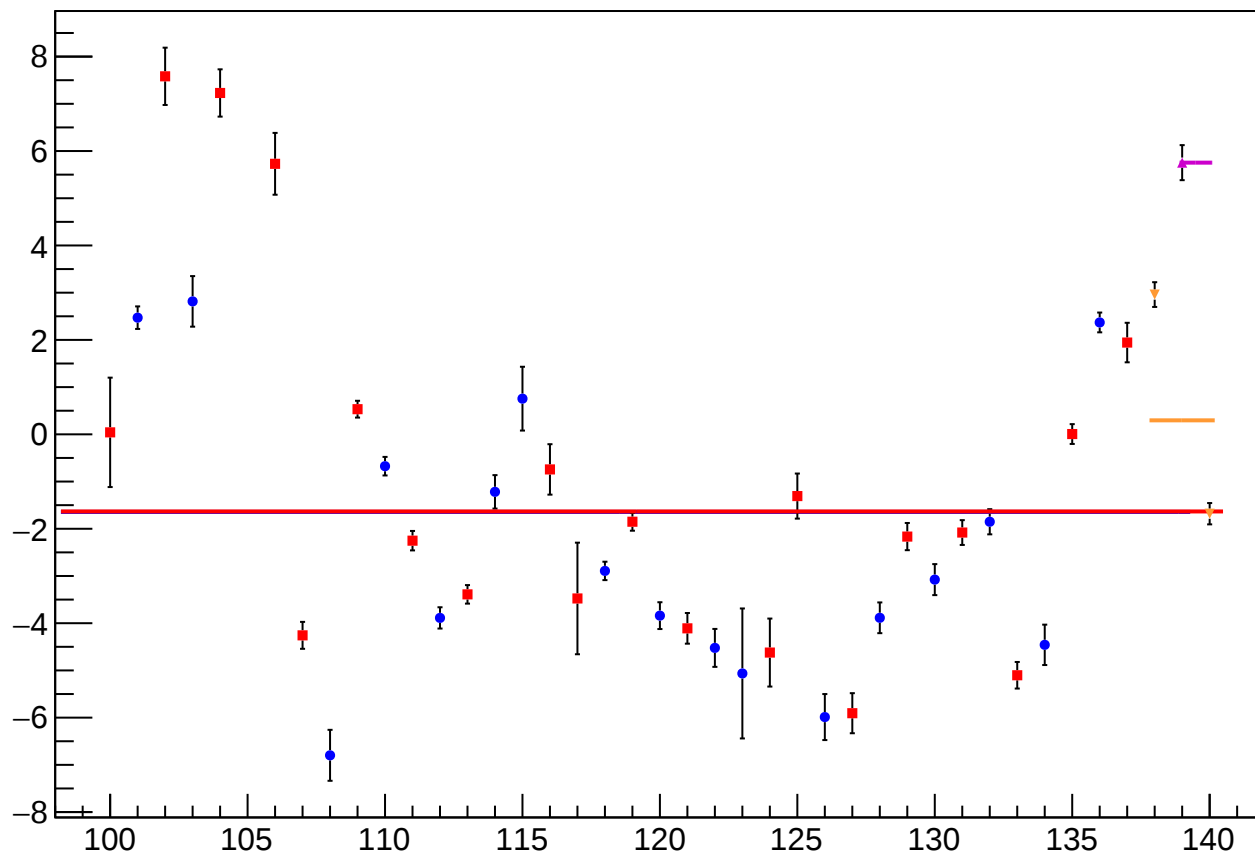
Right Out: -2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

Left In: 7.008 ± 0.234 $\chi^2/\text{NDF}: 0.0/0$

1.872 ± 0.093 $\chi^2/\text{NDF}: 4404.3/18$

-0.828 ± 0.093 $\chi^2/\text{NDF}: 2251.5/20$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: 0.296 ± 0.171 χ^2/NDF : 180.0/1

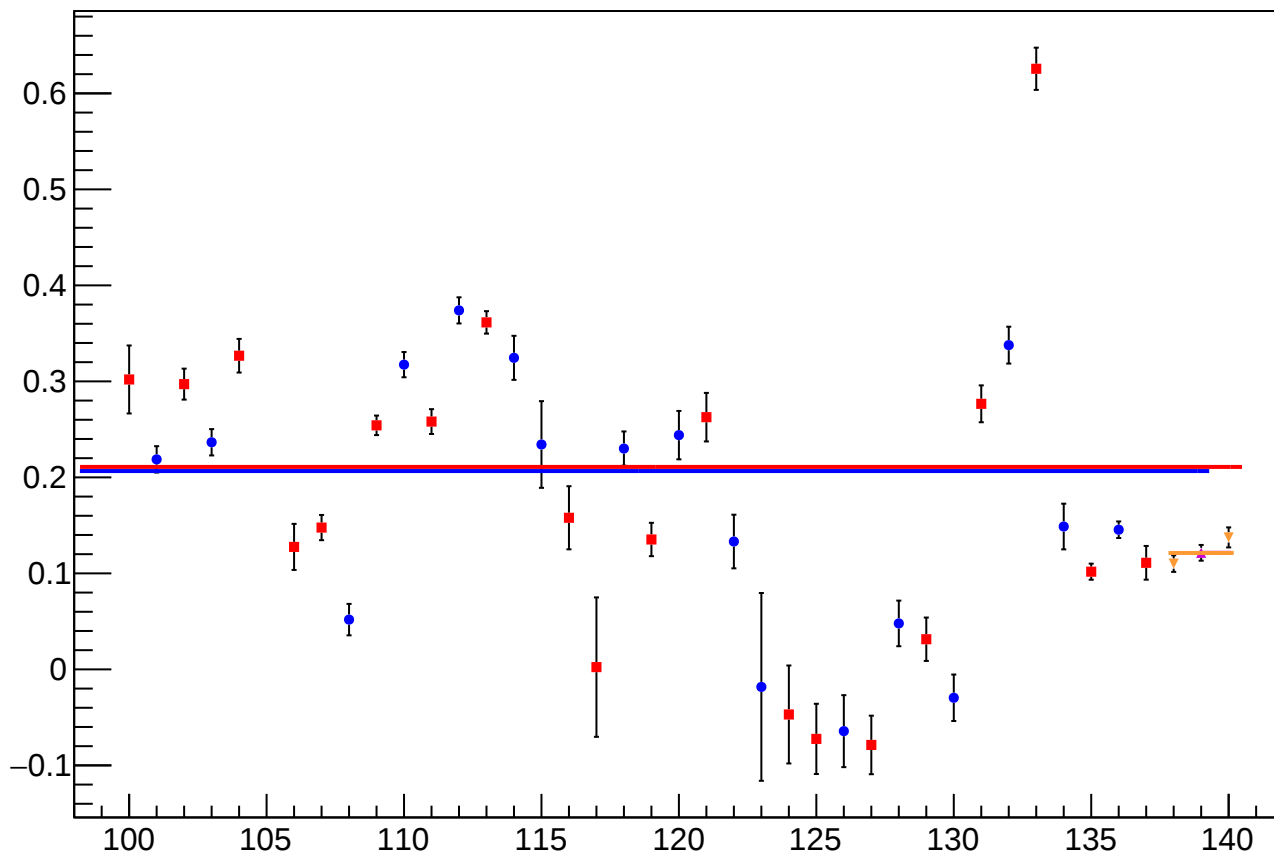
Right Out: -1.633 ± 0.067 χ^2/NDF : 1470.6/19

Left In: 5.754 ± 0.371 χ^2/NDF : 0.0/0

-1.349 ± 0.067 χ^2/NDF : 1599.1/18

-1.401 ± 0.066 χ^2/NDF : 1854.4/20

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.121 ± 0.007 χ^2/NDF : 4.1/1

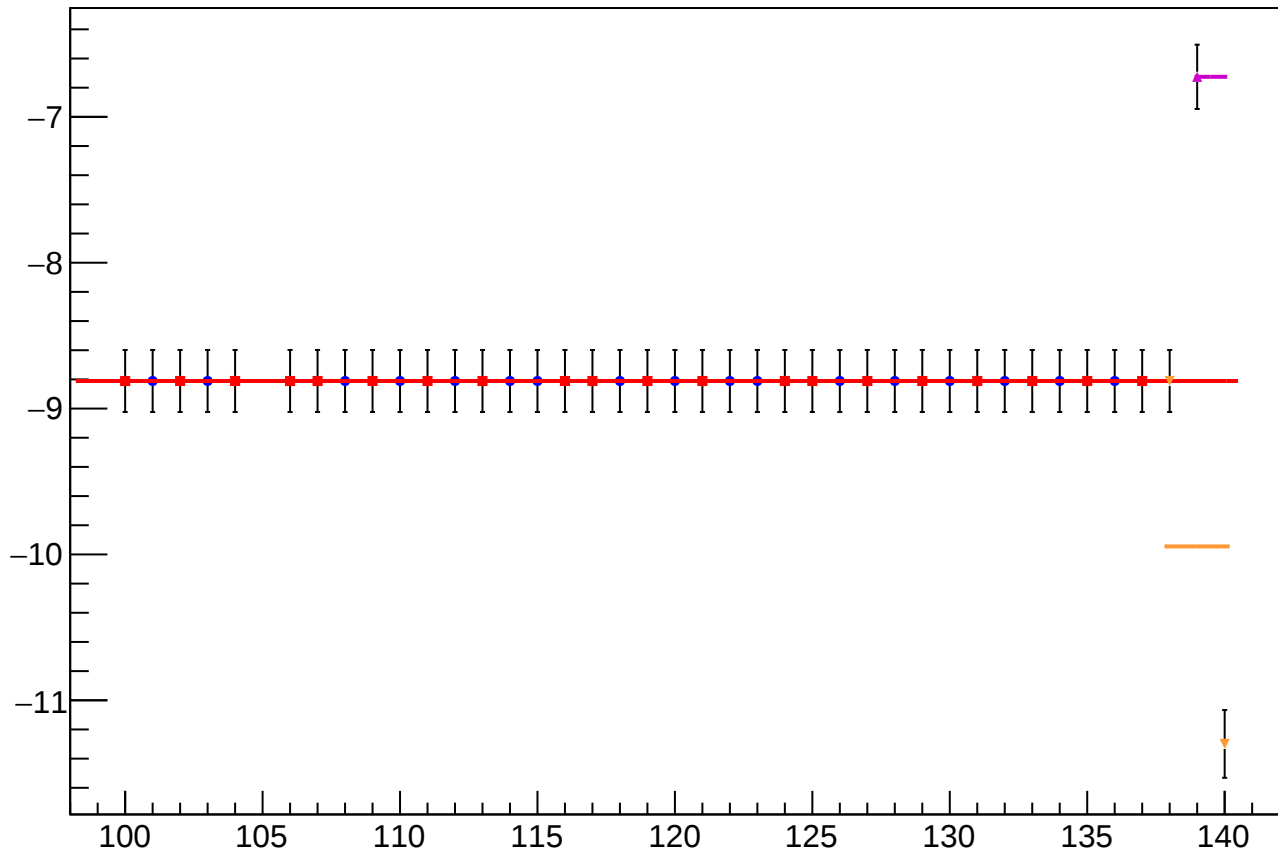
Right Out: 0.211 ± 0.004 χ^2/NDF : 1153.8/19

Left In: 0.121 ± 0.008 χ^2/NDF : 0.0/0

0.182 ± 0.004 χ^2/NDF : 776.5/18

0.195 ± 0.003 χ^2/NDF : 1252.3/20

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -8.811 ± 0.052 $\chi^2/\text{NDF}: 0.0/16$

Left Out: -9.945 ± 0.157 $\chi^2/\text{NDF}: 62.4/1$

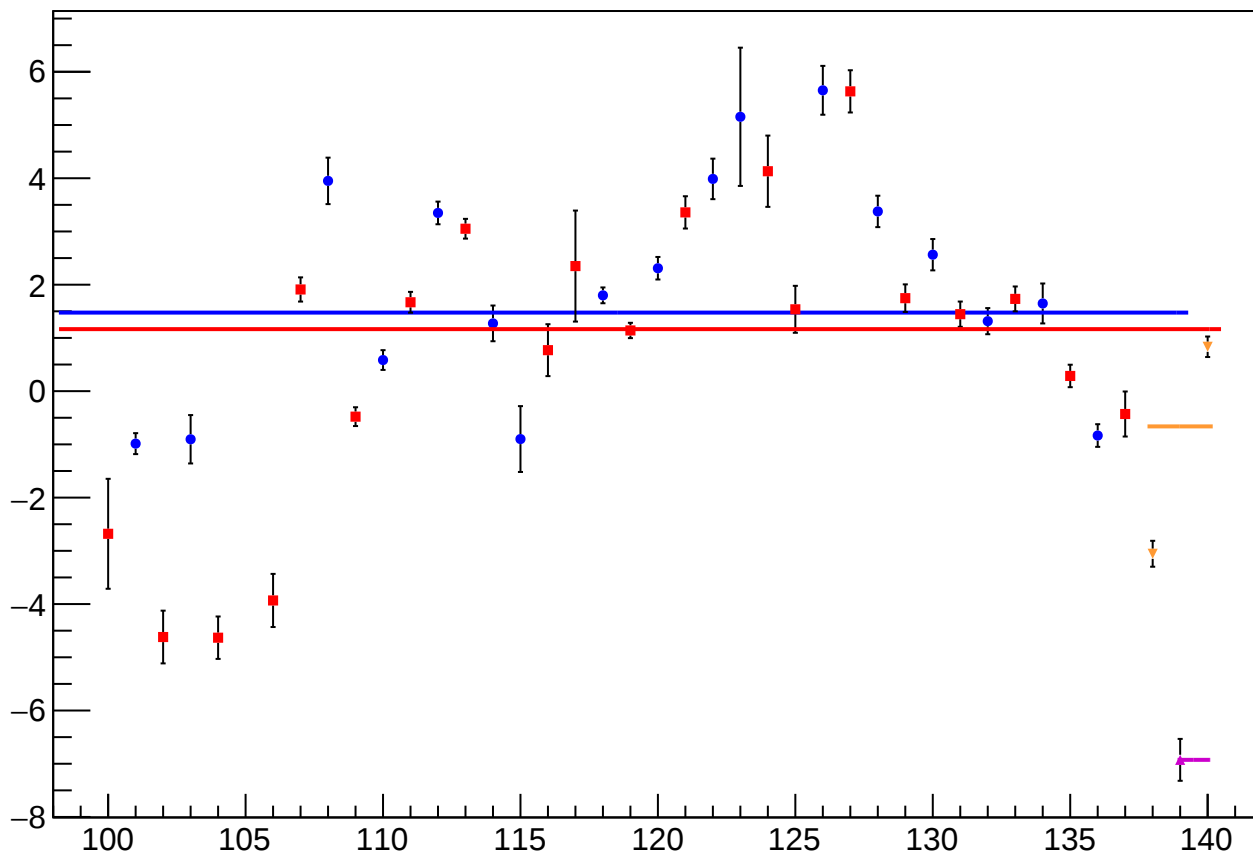
Right Out: -8.811 ± 0.048 $\chi^2/\text{NDF}: 0.0/19$

Left In: -6.725 ± 0.220 $\chi^2/\text{NDF}: 0.0/0$

-8.922 ± 0.049 $\chi^2/\text{NDF}: 109.7/18$

-8.718 ± 0.046 $\chi^2/\text{NDF}: 85.6/20$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: -0.662 ± 0.151 χ^2/NDF : 156.9/1

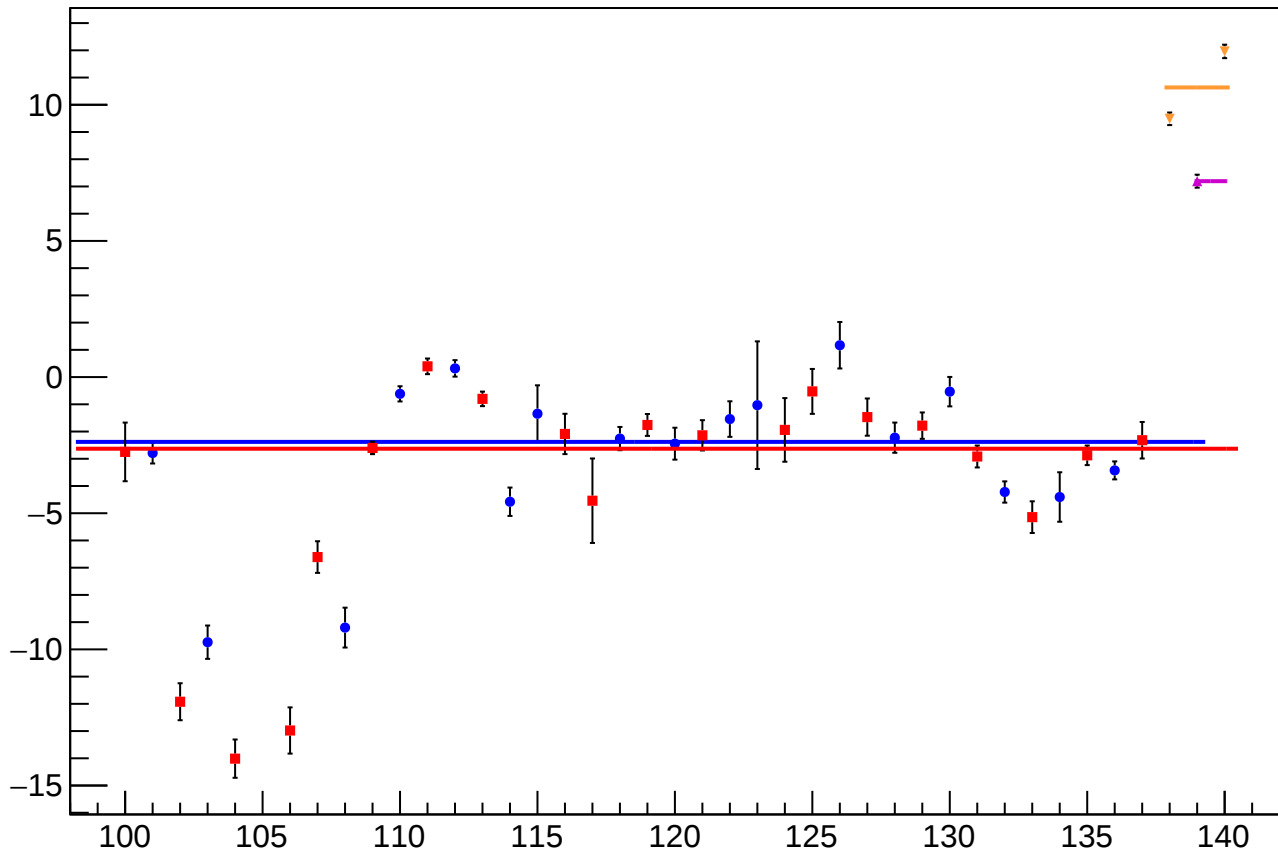
Right Out: 1.165 ± 0.060 χ^2/NDF : 919.2/19

Left In: -6.927 ± 0.394 χ^2/NDF : 0.0/0

1.154 ± 0.059 χ^2/NDF : 986.8/18

0.982 ± 0.059 χ^2/NDF : 1332.4/20

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 10.636 ± 0.169 $\chi^2/\text{NDF}: 53.5/1$

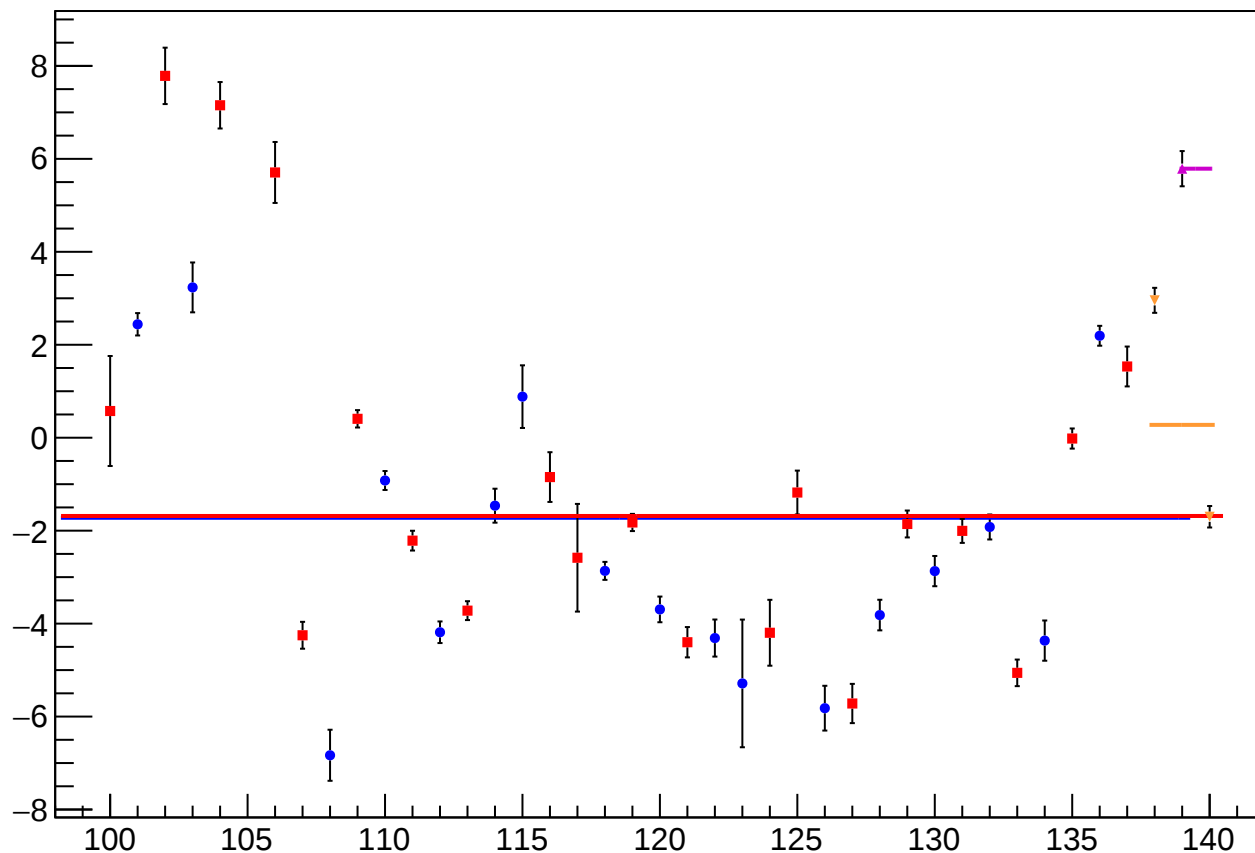
Right Out: -2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

Left In: 7.194 ± 0.239 $\chi^2/\text{NDF}: 0.0/0$

1.747 ± 0.095 $\chi^2/\text{NDF}: 4552.2/18$

-1.090 ± 0.095 $\chi^2/\text{NDF}: 2269.5/20$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722±/0.073 χ^2/NDF : 1247.6/16

Left Out: 0.276±/0.175 χ^2/NDF :172.5/1

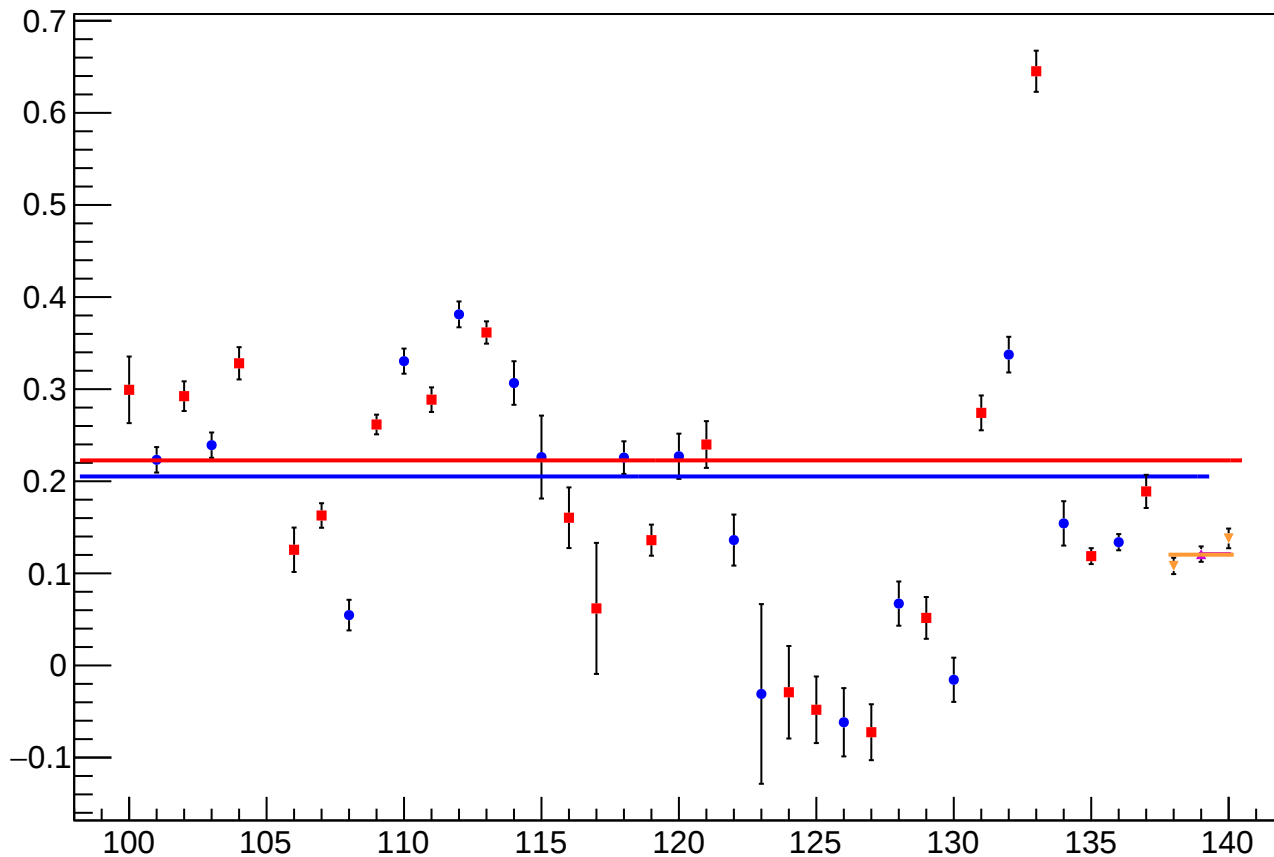
Right Out: -1.684±/0.068 χ^2/NDF : 1431.6/19

Left In: 5.789±/0.379 χ^2/NDF :0.0/0

-1.426±/0.067 χ^2/NDF : 1530.9/18

-1.452±/0.067 χ^2/NDF : 1808.7/20

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.120 ± 0.007 χ^2/NDF : 4.6/1

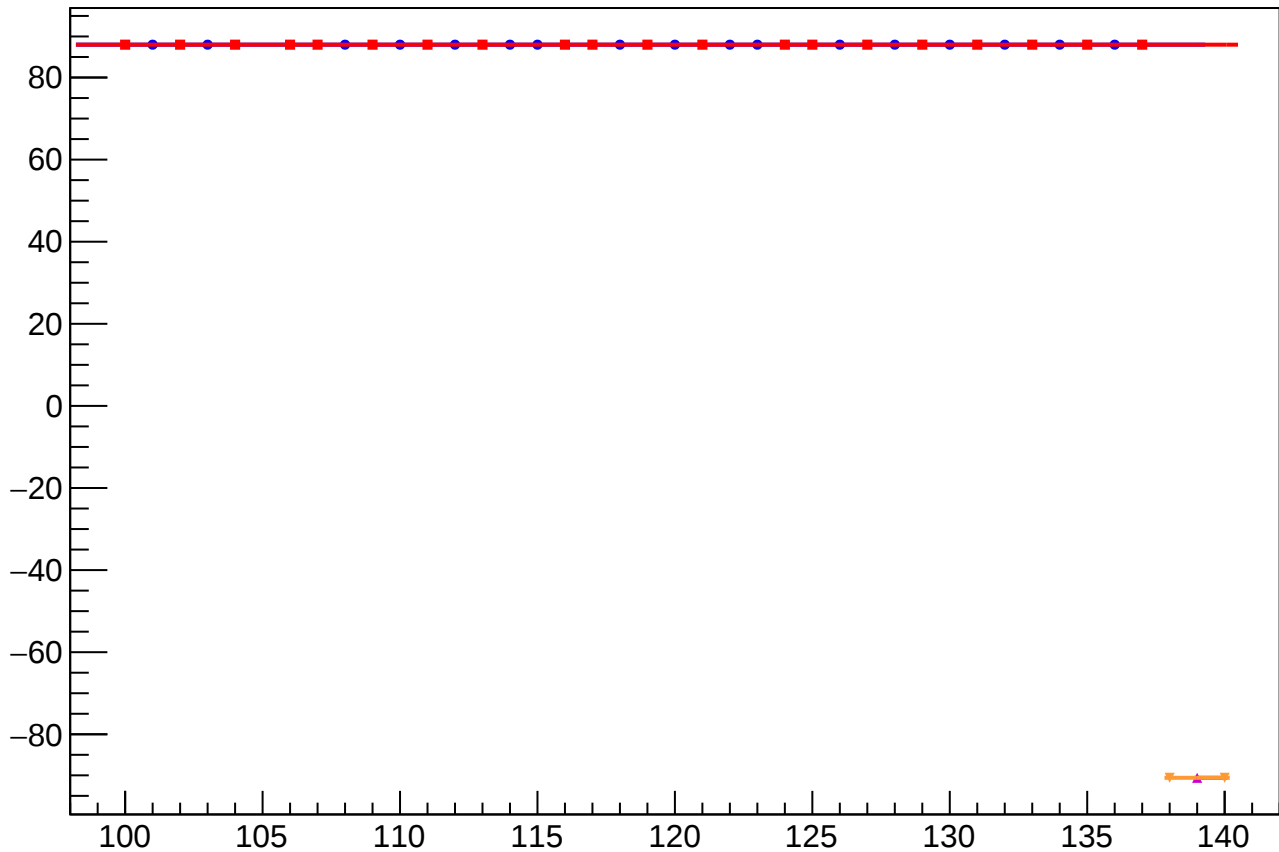
Right Out: 0.223 ± 0.004 χ^2/NDF : 1045.6/19

Left In: 0.121 ± 0.008 χ^2/NDF : 0.0/0

0.181 ± 0.004 χ^2/NDF : 766.4/18

0.205 ± 0.003 χ^2/NDF : 1167.9/20

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 809207.2/16

Left Out: -90.599+/-0.000 χ^2/NDF : 32311.7/1

Right Out: 88.001+/-0.000 χ^2/NDF : 224768.6/19

Left In: -90.599+/-0.000 χ^2/NDF : 0.0/0

54.500+/-0.000 χ^2/NDF : 414636084970691468

71.922+/-0.000 χ^2/NDF : 214795119454987774

312499993

312499994

312499995

312499996

312499997

312499998

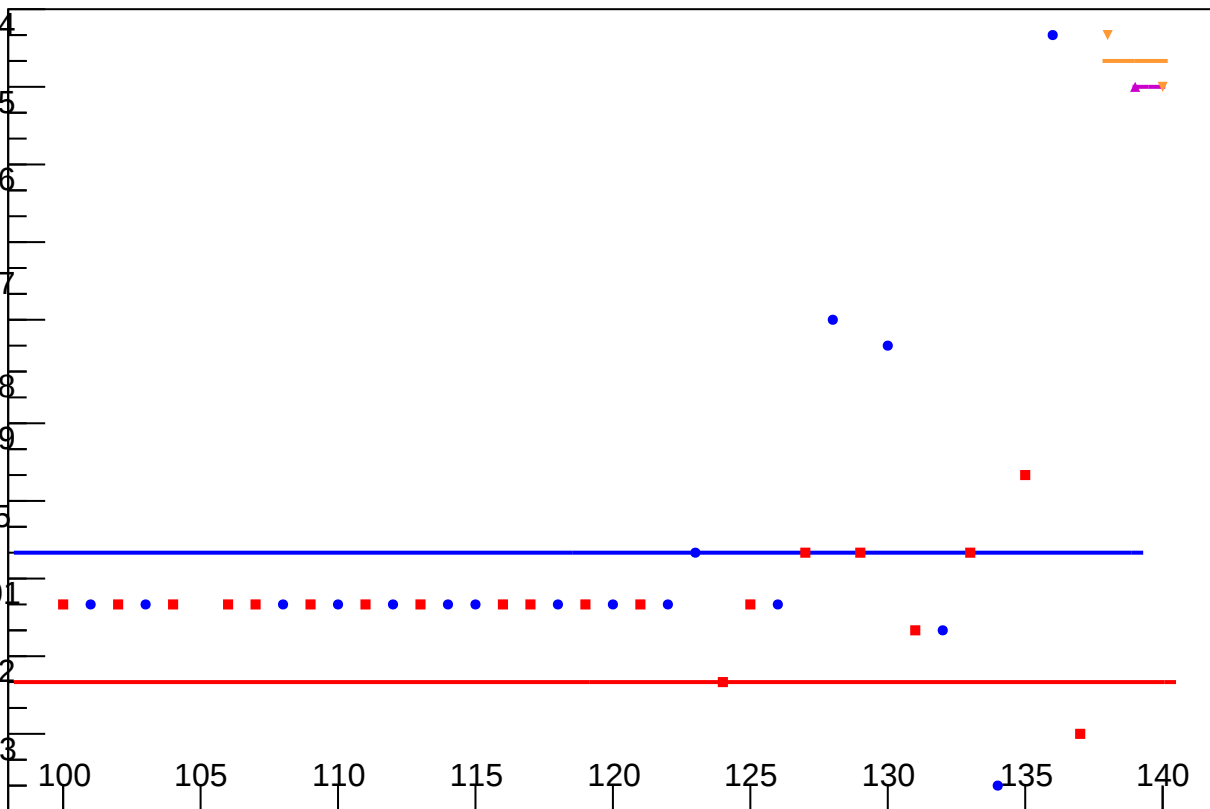
312499999

640703125

312500001

312500002

312500003



Right In: -29.641+/-0.000 χ^2/NDF : 590181.6/16

Left Out: -29.641+/-0.000 χ^2/NDF : 2019.5/1

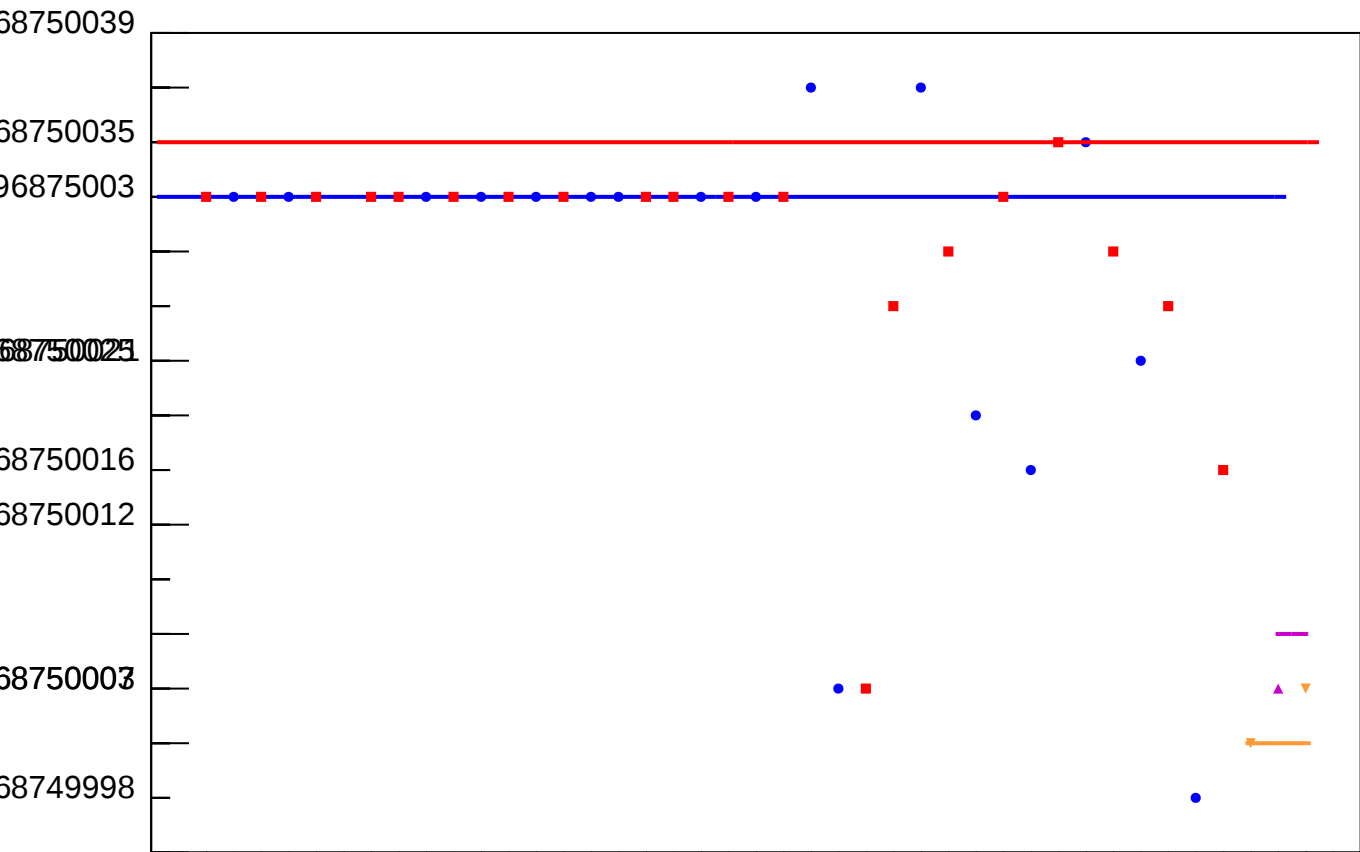
Right Out: -29.641+/-0.000 χ^2/NDF : 138258.9/19

Left In: -29.641+/-0.000 χ^2/NDF : 0.0/0

-29.641+/-0.000 χ^2/NDF : 1034064.1/18

-29.641+/-0.000 χ^2/NDF : 458675.3/20

psub_pl_pos_mean vs Slug



68749994

Right In: 1467.979+/-0.000 χ^2/NDF : 709203977.7/16

Left Out: 1467.979+/-0.000 χ^2/NDF : 4239300.6/1

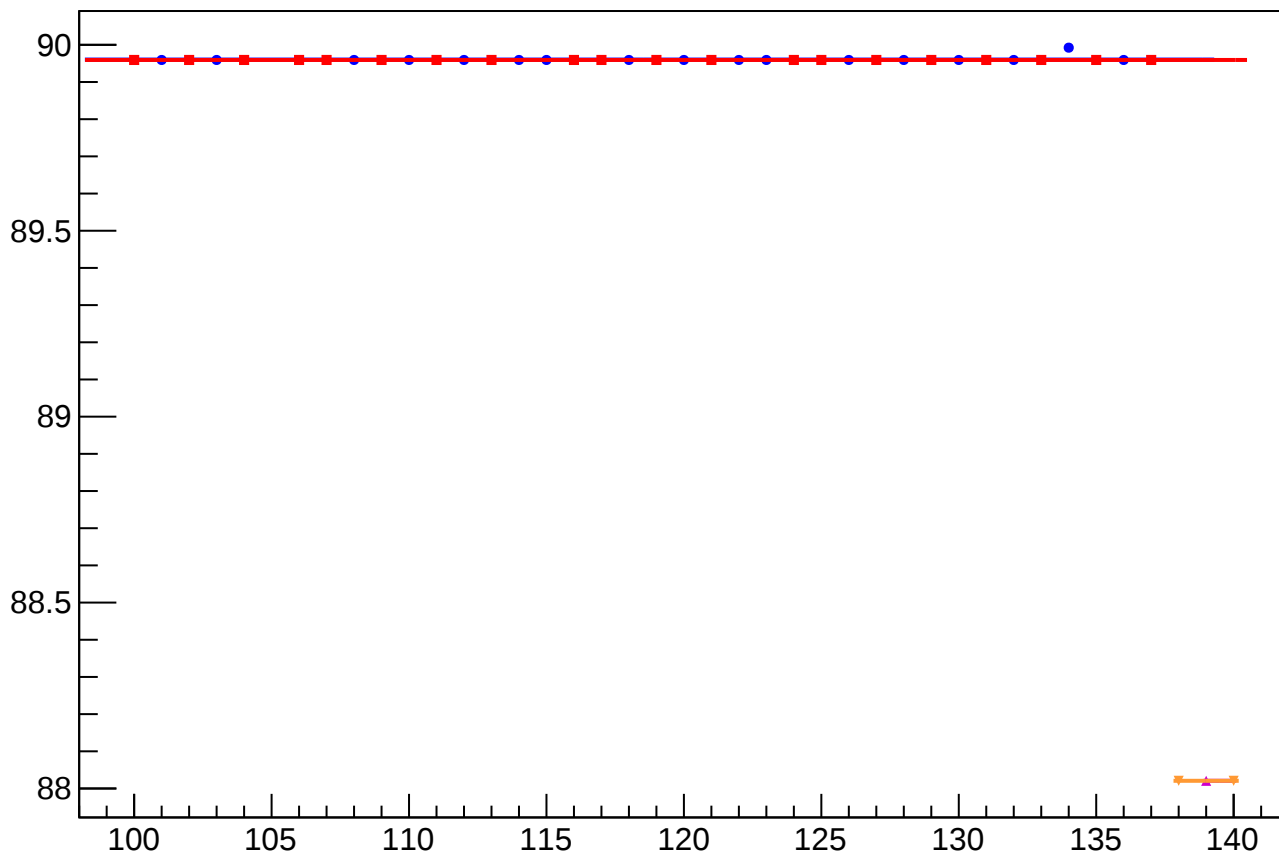
Right Out: 1467.979+/-0.000 χ^2/NDF : 189579456.6/19

Left In: 1467.979+/-0.000 χ^2/NDF : 3825710.3/0

1467.979+/-0.000 χ^2/NDF : 964957883.3/18

1467.979+/-0.000 χ^2/NDF : 813066843.4/20

Phi_FG_mean vs Slug



Right In: 89.960 $\pm$ 0.000 χ^2 /NDF: 22241994025452511954976374784.0/16

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF:16559.8/1

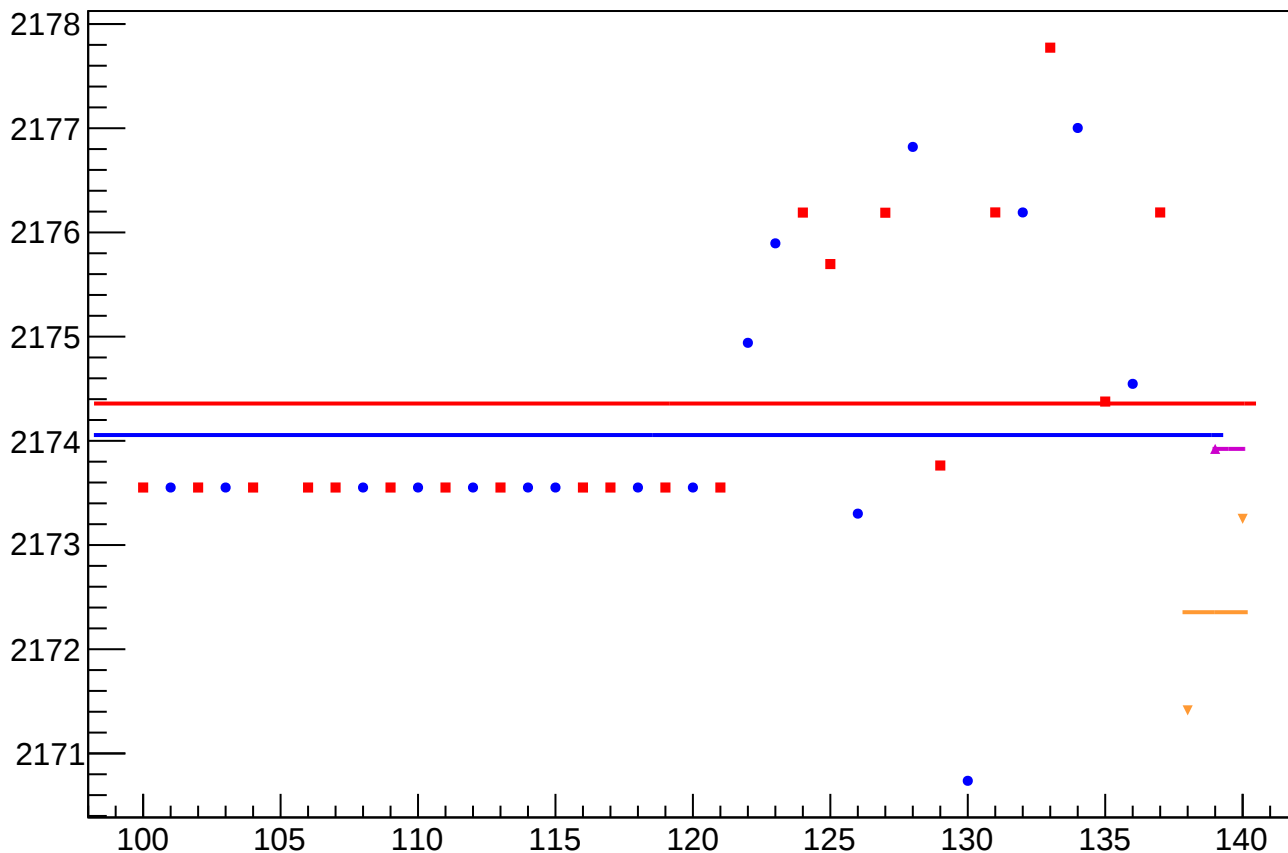
Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 965111.4/19

Left In: 88.021 $\pm$ 0.000 χ^2 /NDF:0.0/0

89.596 $\pm$ 0.000 χ^2 /NDF: 489041997248842532

89.785 $\pm$ 0.000 χ^2 /NDF: 253066766801407650

HALLA_p_mean vs Slug



Right In: 2174.056+/-0.000 χ^2/NDF : 1540627337710283644302236183429120.0/16

Left Out: 2172.355+/-0.000 χ^2/NDF : 135083138950590824879239681015808.0/1

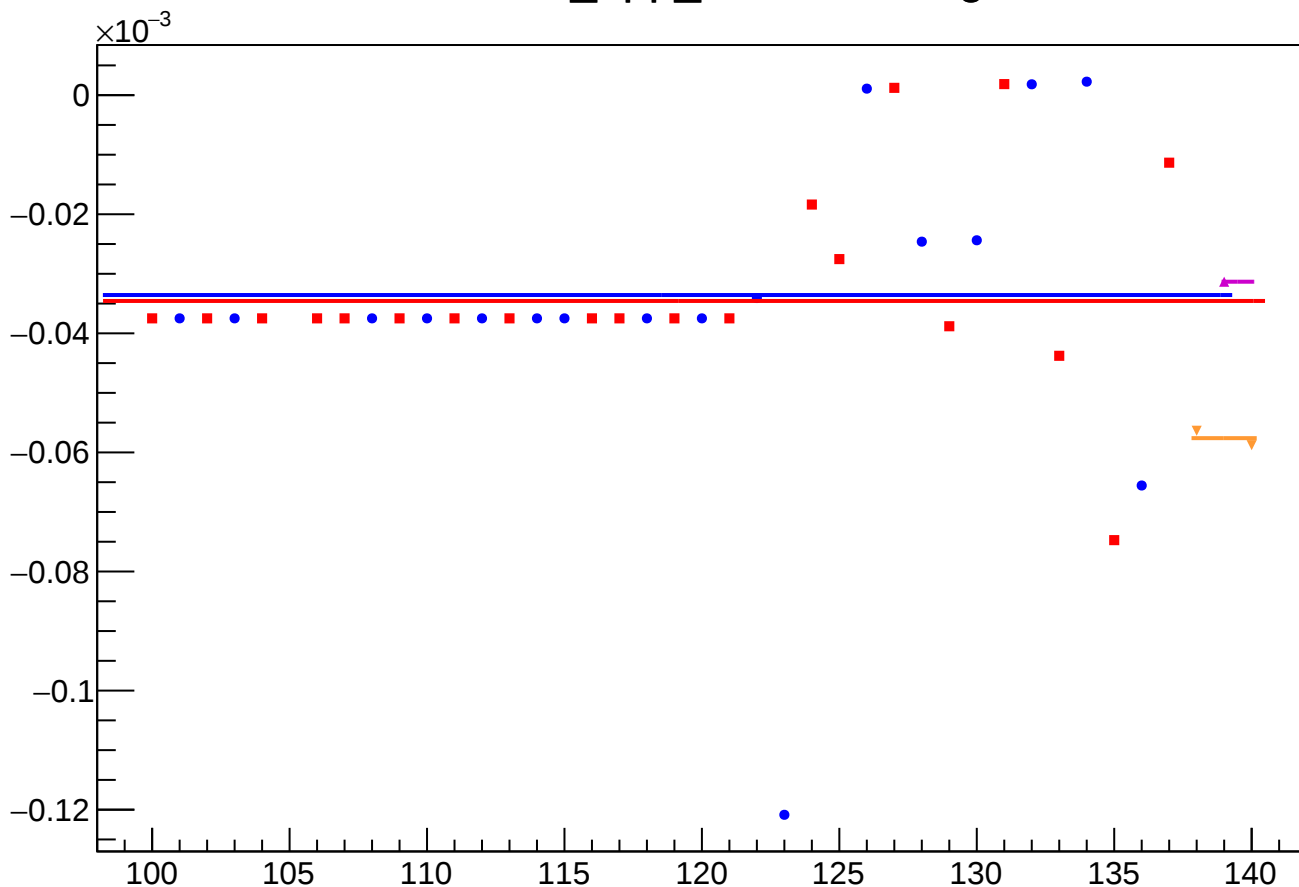
Right Out: 2174.358+/-0.000 χ^2/NDF : 1264231113010335742320671948013568.0/19

Left In: 2173.923+/-0.000 χ^2/NDF : 0.0/0

2173.737+/-0.000 χ^2/NDF : 2051491407324997

2174.319+/-0.000 χ^2/NDF : 1276989946115744

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 261082170040518671597568.0/16

Left Out: -0.000+/-0.000 χ^2/NDF : 234335347211980439552.0/1

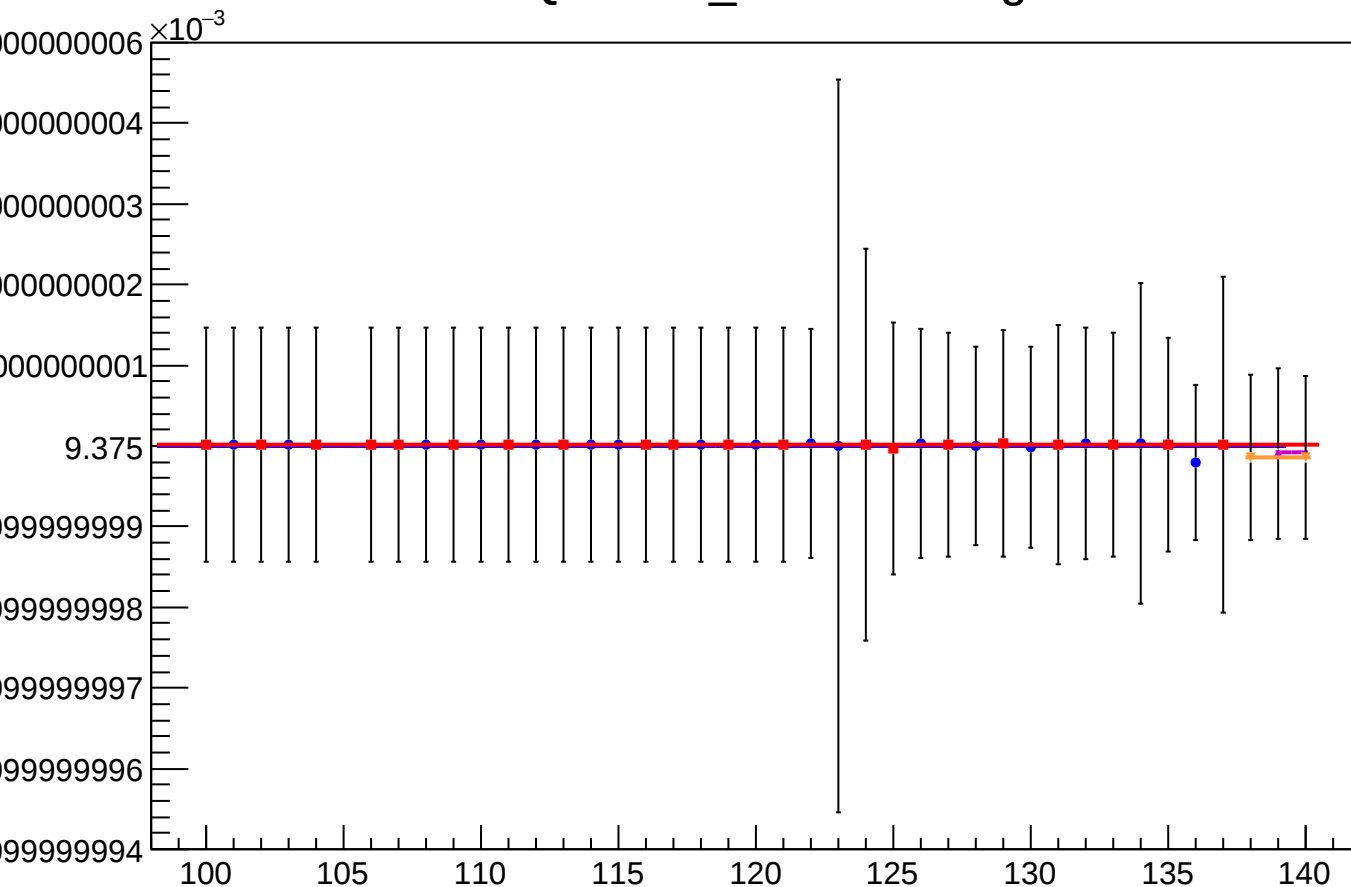
Right Out: -0.000+/-0.000 χ^2/NDF : 205320369613969110859776.0/19

Left In: -0.000+/-0.000 χ^2/NDF : 0.0/0

-0.000+/-0.000 χ^2/NDF : 336424375010817103

-0.000+/-0.000 χ^2/NDF : 206023741816193886

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF :0.0/1

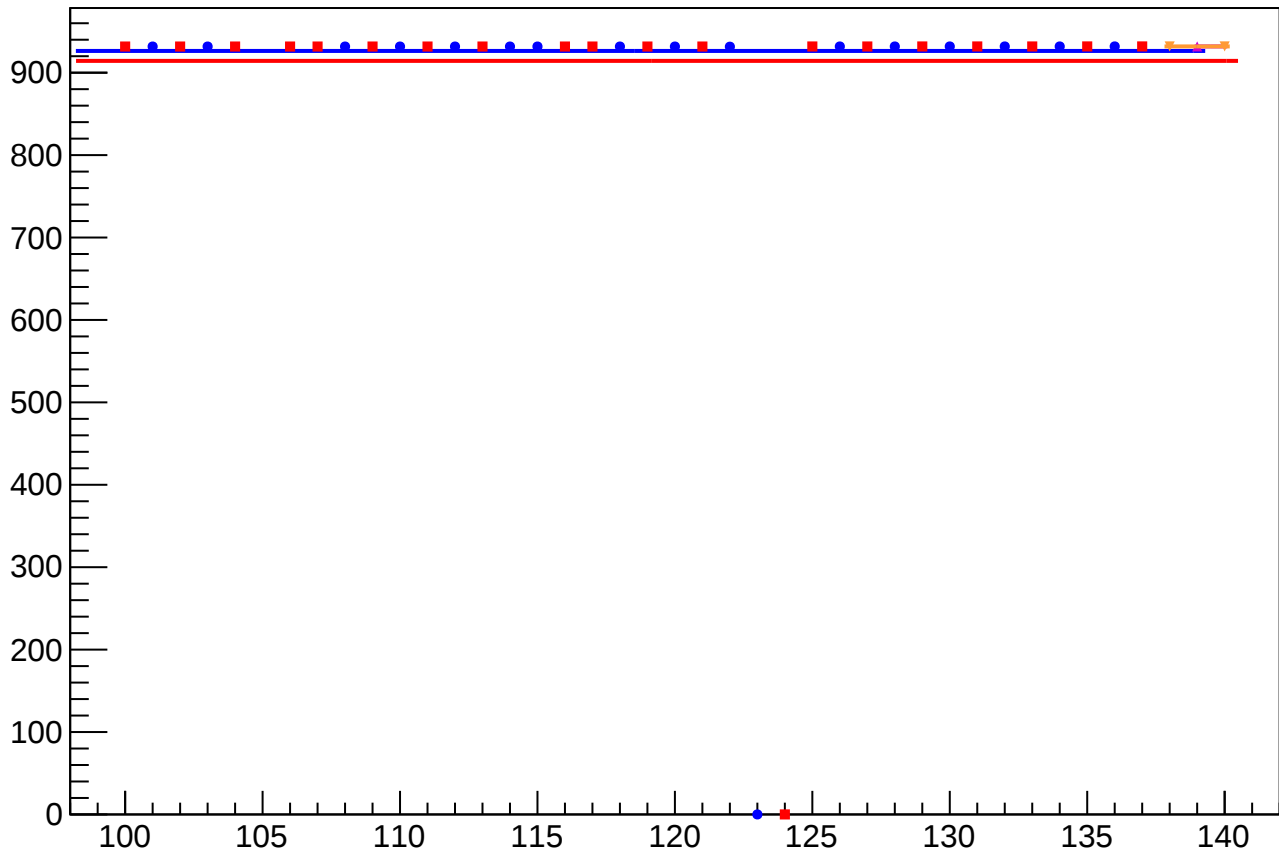
Right Out: 0.009 ± 0.000 χ^2/NDF : 0.0/19

Left In: 0.009+/-0.000 χ^2/NDF :0.0/0

0.009+/-0.000 χ^2/NDF : 0.1/18

0.009+/-0.000 χ^2/NDF : 0.0/20

HacL_Q2_HP3458A_IOUT_mean vs Slug



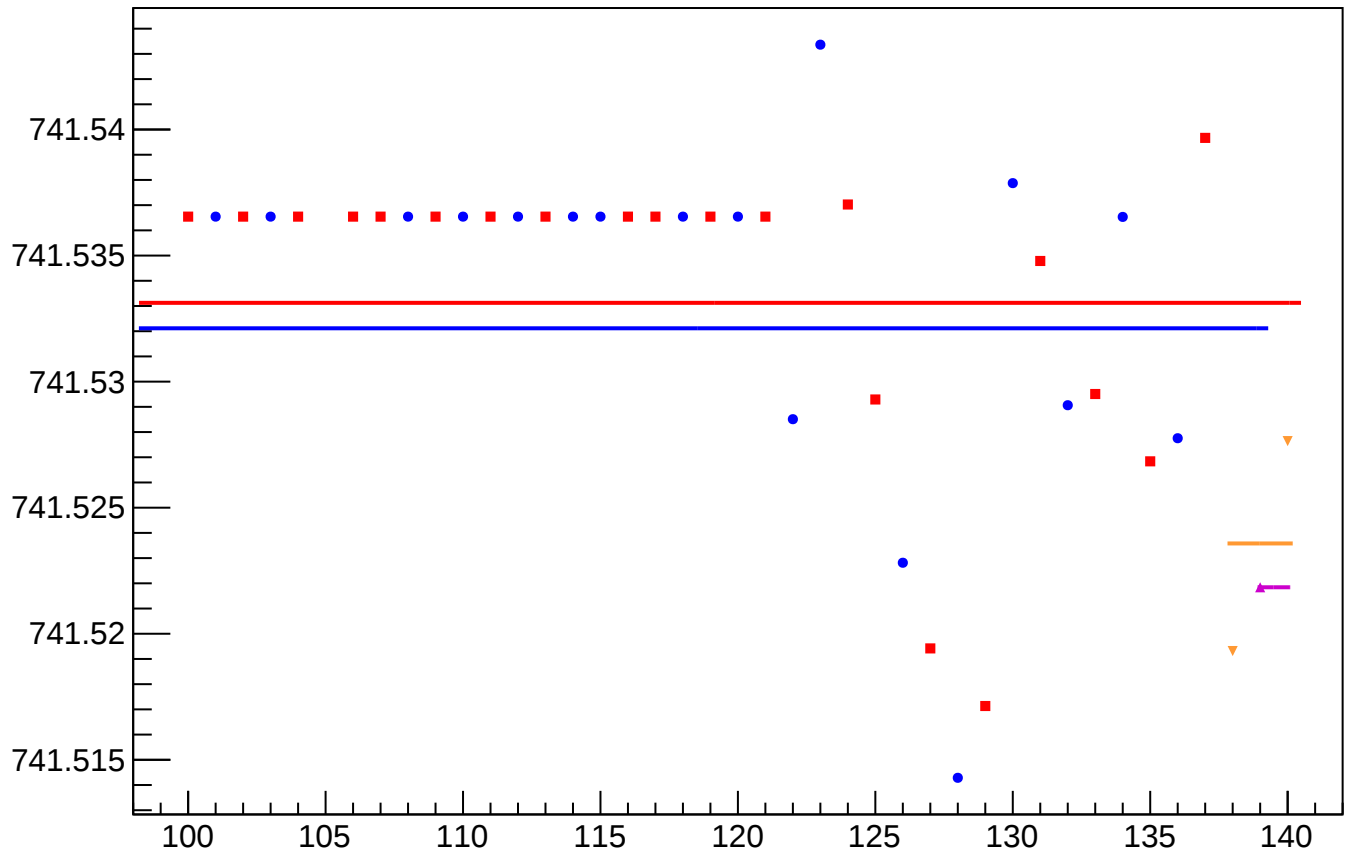
Right In: 926.386+/-0.000 χ^2/NDF : 3452467754227541020877770418970165248.0/16

Left Out: 931.871+/-0.000 χ^2/NDF : 11475057832658989587042926592.0/1

Right Out: 914.329+/-0.000 χ^2/NDF : 11926383090568783667643627436949635072.0/19

Left In: 931.867+/-0.000 χ^2/NDF : 0.0/0

HacL_D1_HP3458A_IOUT_mean vs Slug



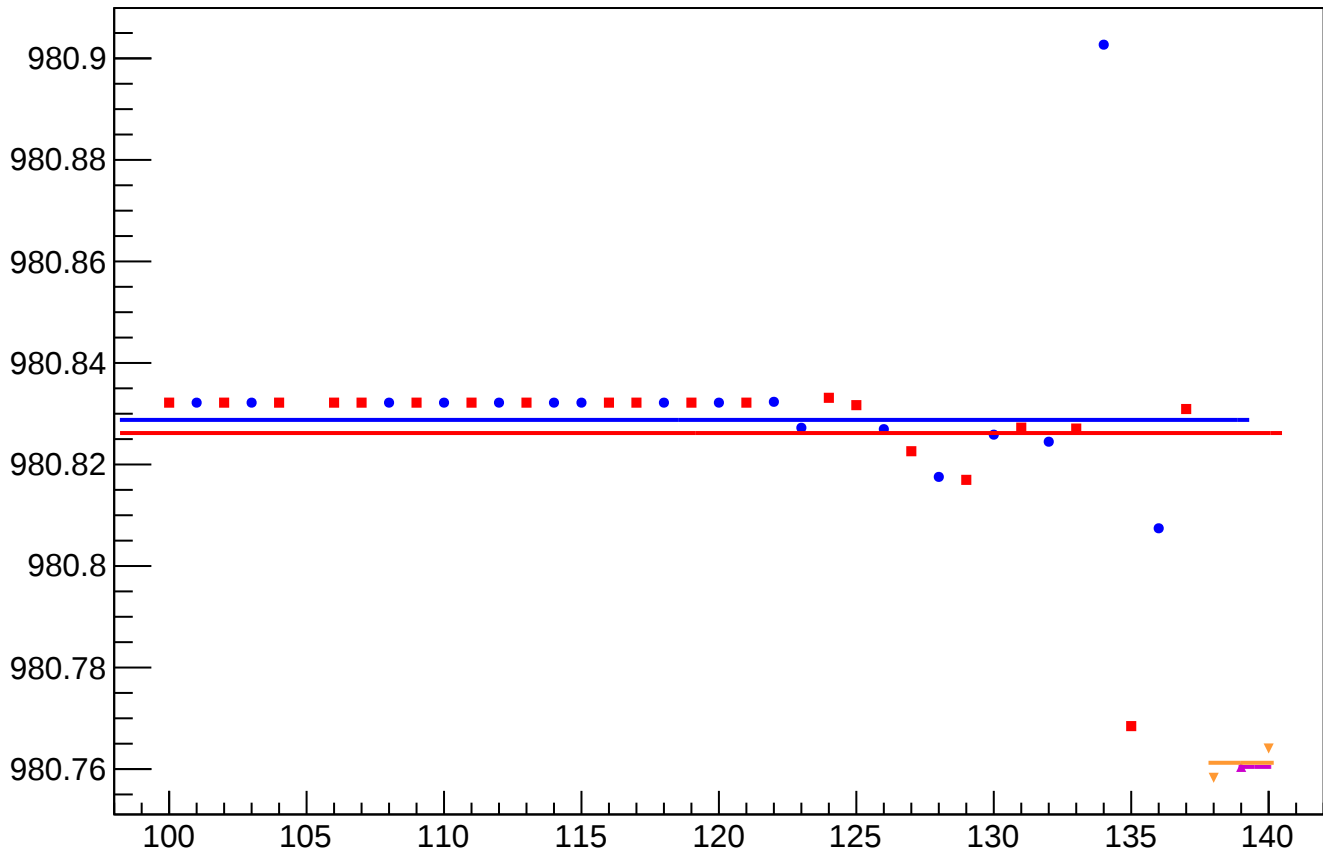
Right In: 741.532+/-0.000 χ^2/NDF : 32849351469491643197637525504.0/16

Left Out: 741.524+/-0.000 χ^2/NDF : 2771856754673576864366198784.0/1

Right Out: 741.533+/-0.000 χ^2/NDF : 28343010063633014145849229312.0/19

Left In: 741.522+/-0.000 χ^2/NDF : 956427.6/0

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.829+/-0.000 χ^2/NDF : 167564898661061940746253238272.0/16

Left Out: 980.761+/-0.000 χ^2/NDF : 1332001499723758344270249984.0/1

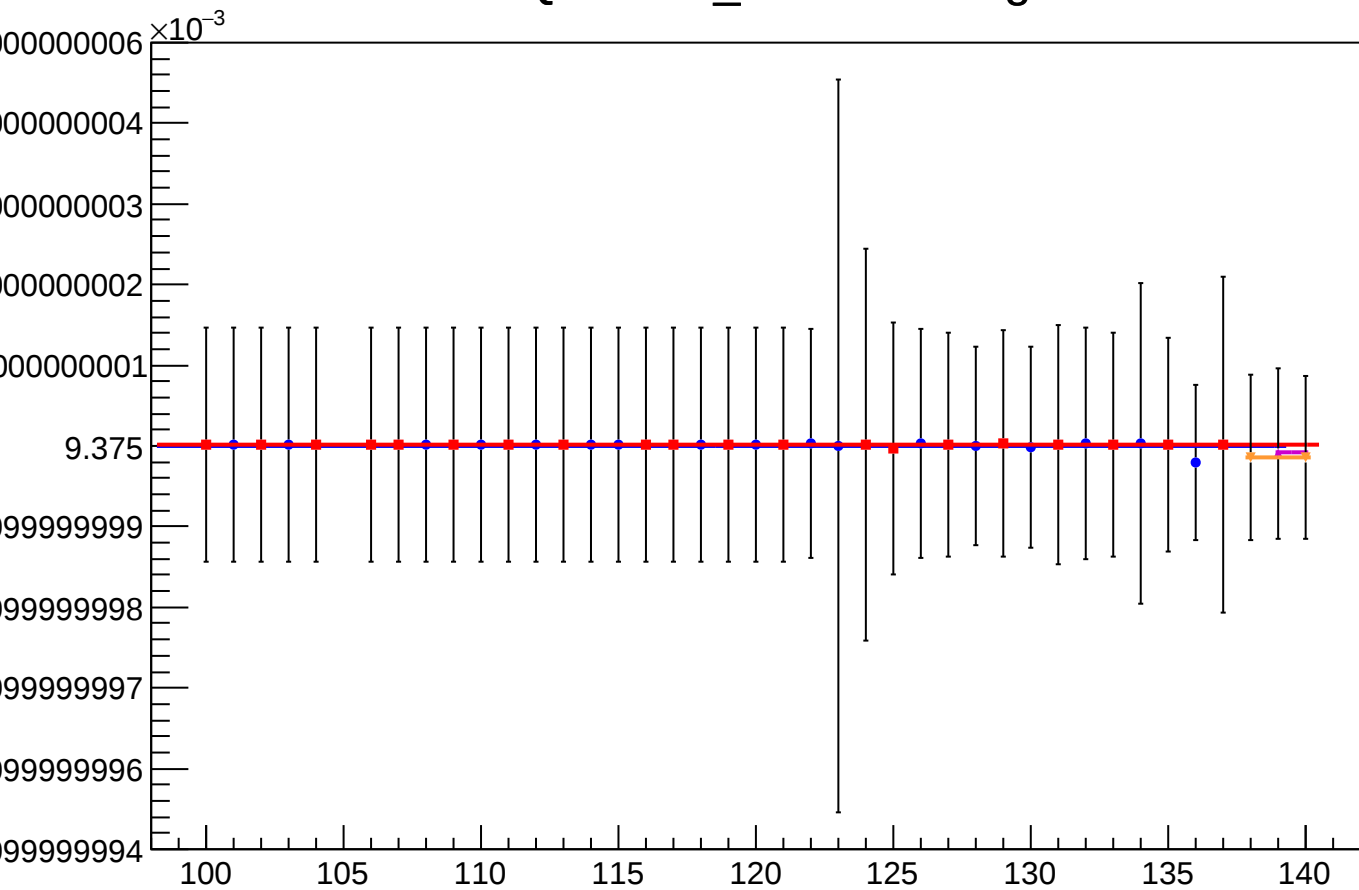
Right Out: 980.826+/-0.000 χ^2/NDF : 179755692387407514348787073024.0/19

Left In: 980.760+/-0.000 χ^2/NDF : 0.0/0

980.816+/-0.000 χ^2/NDF : 7619236410666981

980.820+/-0.000 χ^2/NDF : 4710053285623009

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/1

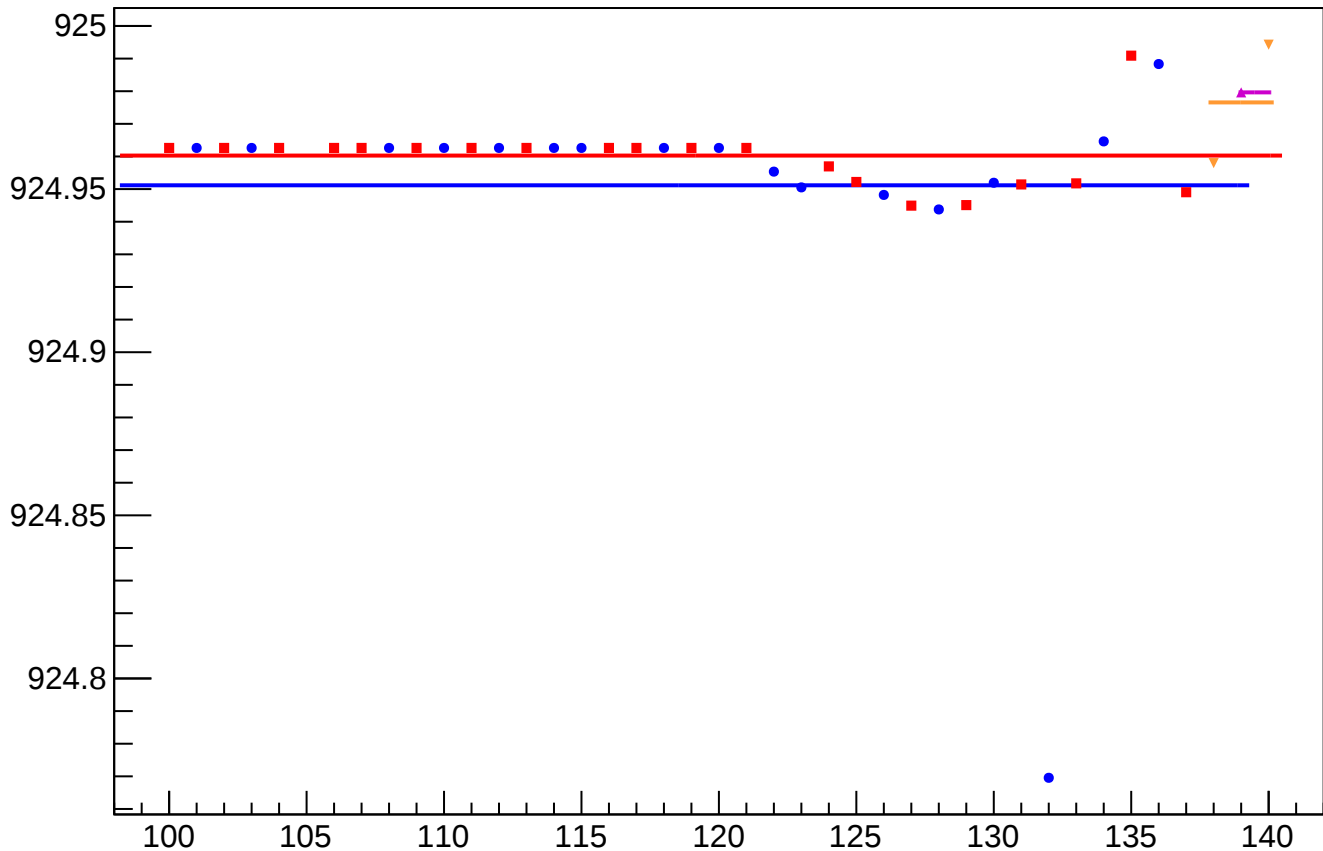
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/0

0.009+/-0.000 χ^2/NDF : 0.1/18

0.009+/-0.000 χ^2/NDF : 0.0/20

HacR_Q2_HP3458A_IOUT_mean vs Slug



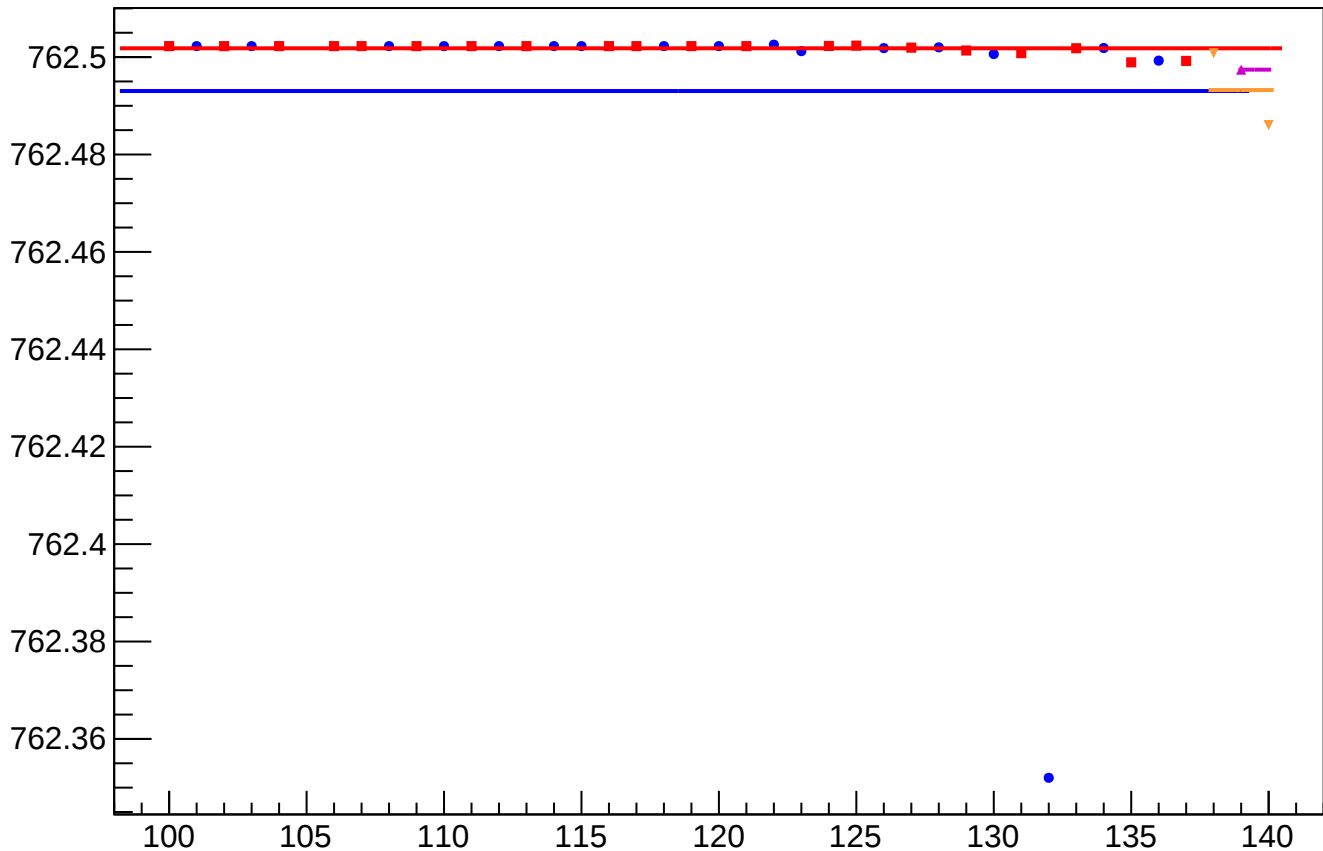
Right In: 924.951+/-0.000 χ^2/NDF : 1494768077098177221899893866496.0/16

Left Out: 924.977+/-0.000 χ^2/NDF : 52693788527014842810773798912.0/1

Right Out: 924.960+/-0.000 χ^2/NDF : 77324010756500300508572942336.0/19

Left In: 924.980+/-0.000 χ^2/NDF : 0.0/0

HacR_D1_HP3458A_IOUT_mean vs Slug



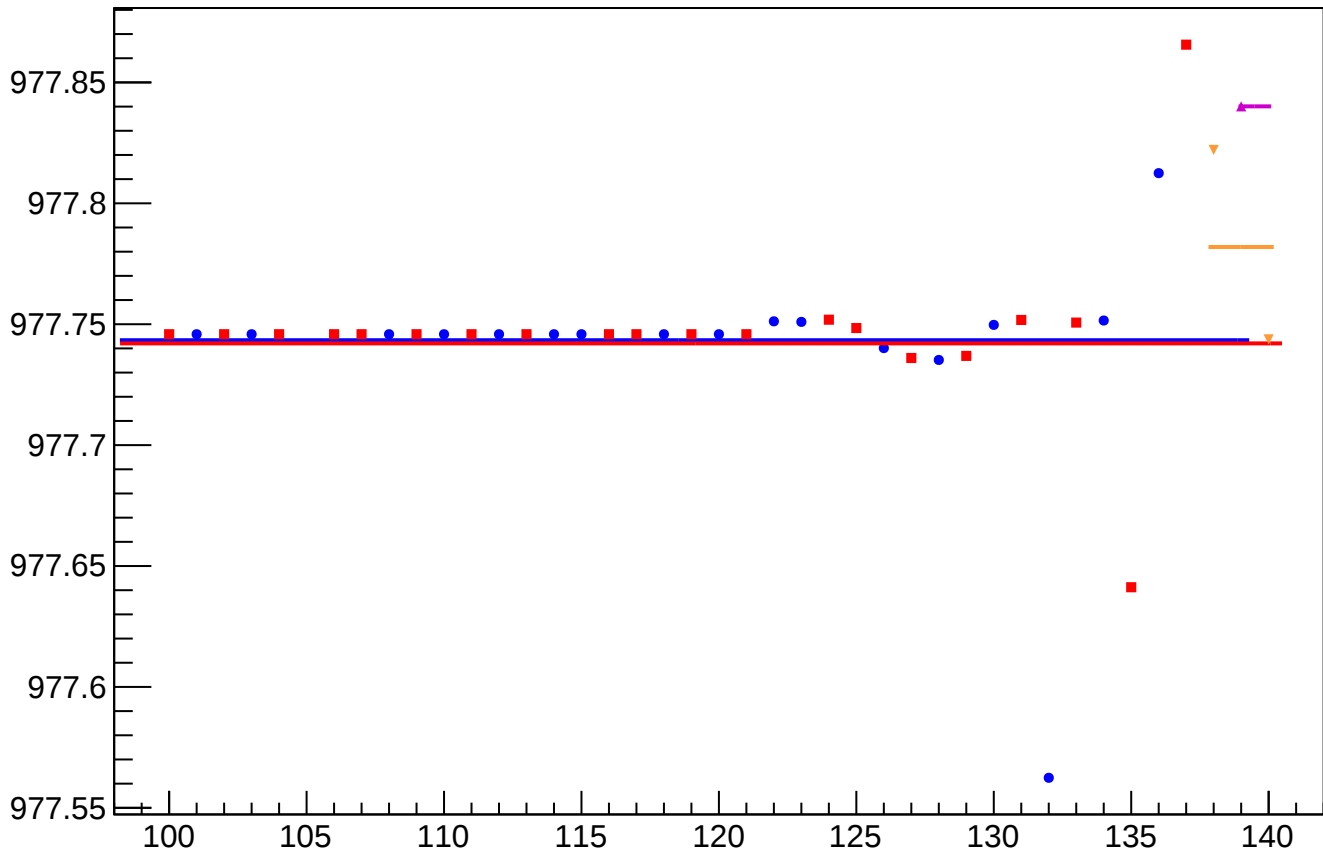
Right In: 762.493+/-0.000 χ^2/NDF : 844860490387532826187107663872.0/16

Left Out: 762.493+/-0.000 χ^2/NDF : 8717777246506982995958693888.0/1

Right Out: 762.502+/-0.000 χ^2/NDF : 671534847335234231068524544.0/19

Left In: 762.497+/-0.000 χ^2/NDF : 956427.6/0

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.743+/-0.000 χ^2/NDF : 1742505979268316185481239855104.0/16

Left Out: 977.782+/-0.000 χ^2/NDF : 245361032288193839251924713472.0/1

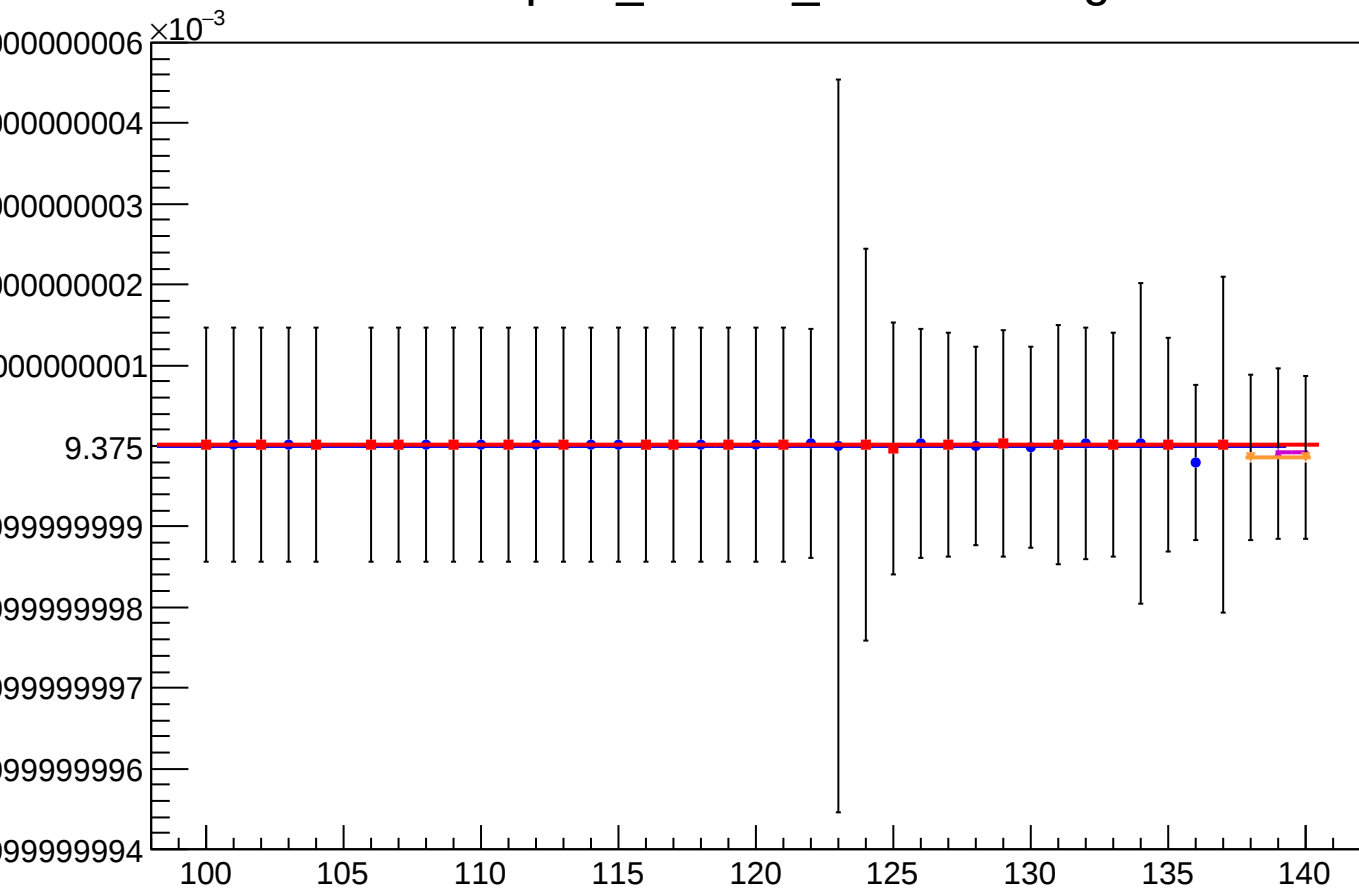
Right Out: 977.742+/-0.000 χ^2/NDF : 786821948031030942922994352128.0/19

Left In: 977.840+/-0.000 χ^2/NDF : 0.0/0

977.751+/-0.000 χ^2/NDF : 21810685556346912

977.751+/-0.000 χ^2/NDF : 14338943232931934

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/1

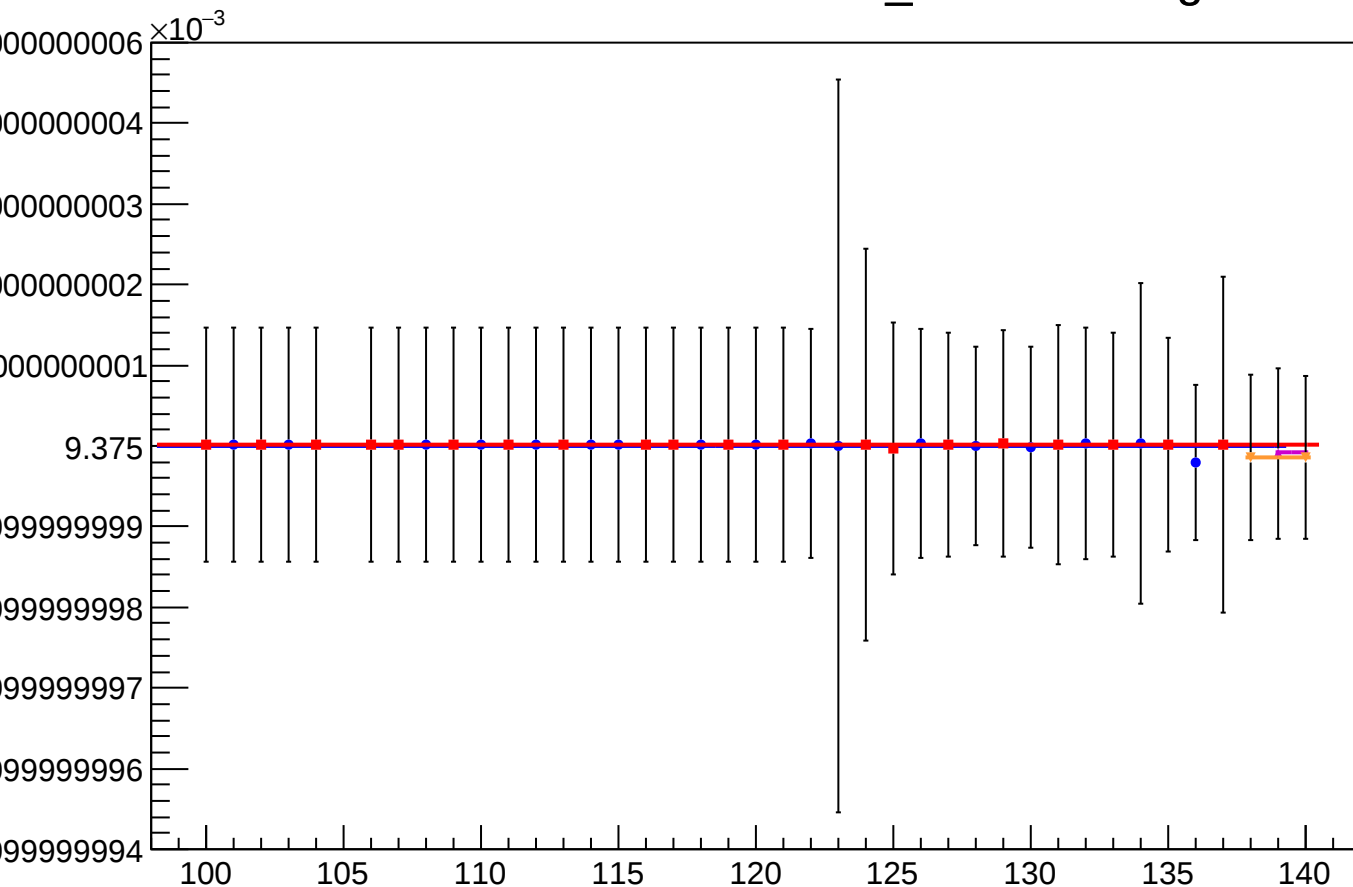
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/20

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/1

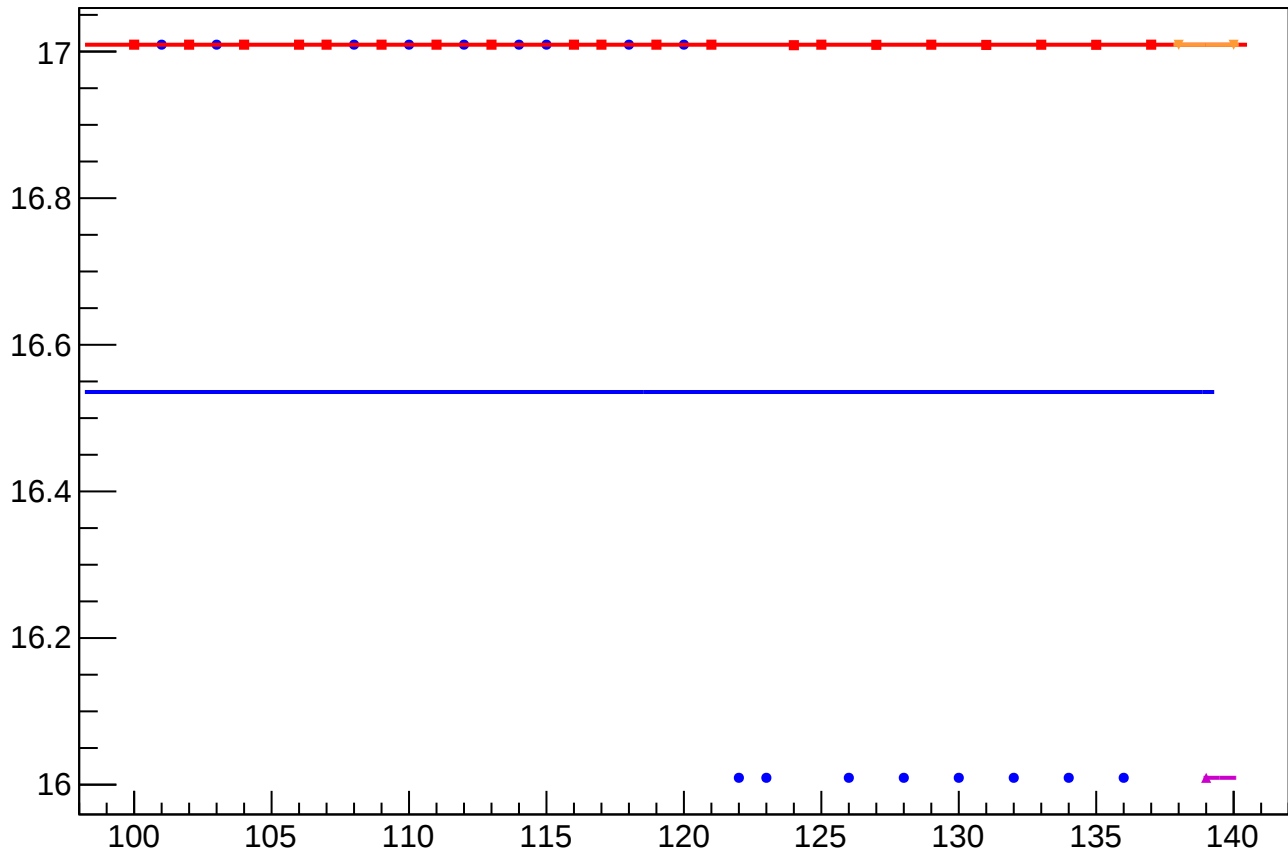
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/19

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/20

IGL1I00DI24_24M_mean vs Slug



Right In: 16.536+/-0.000 χ^2/NDF : 166290854572710847195720592654336.0/16

Left Out: 17.009+/-0.000 χ^2/NDF : 10498080352741527388160.0/1

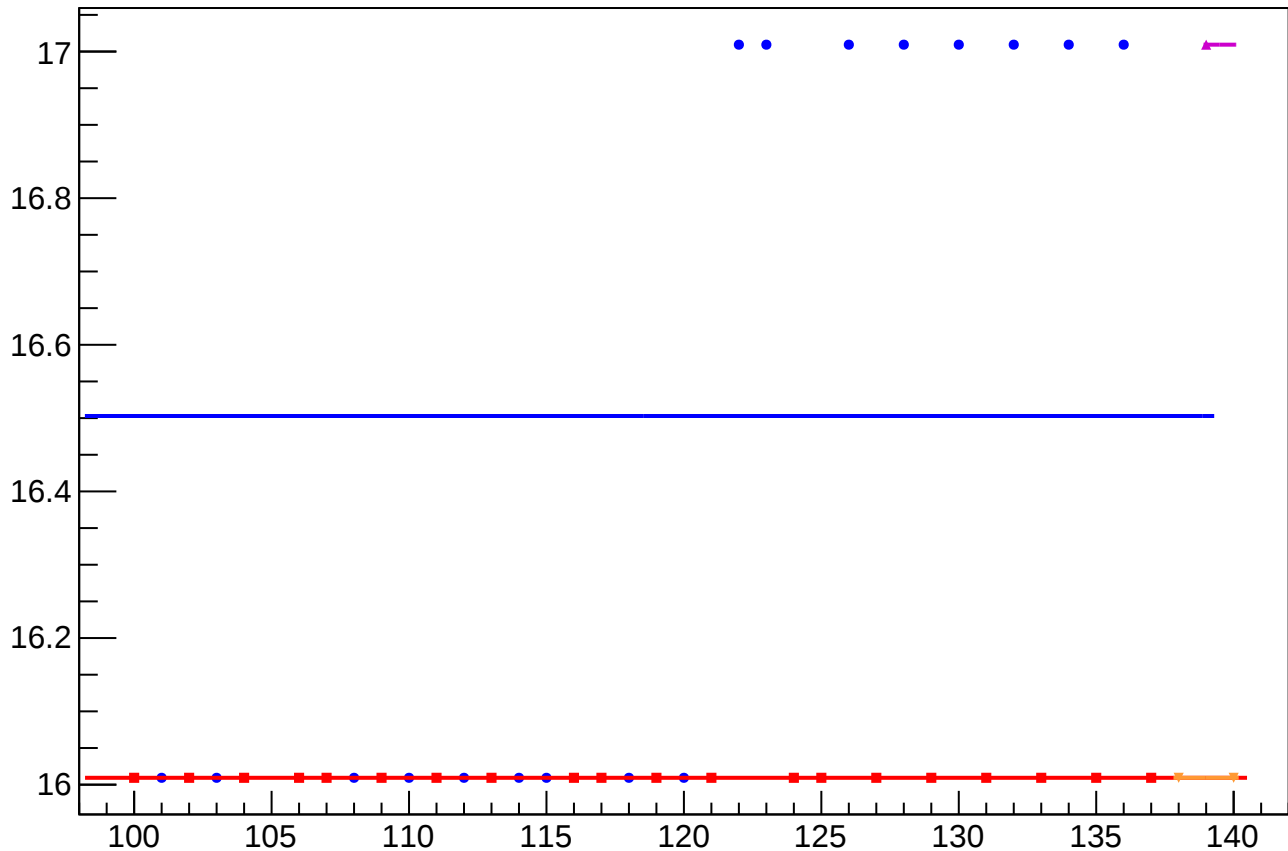
Right Out: 17.009+/-0.000 χ^2/NDF : 11540731635624530264719360.0/19

Left In: 16.009+/-0.000 χ^2/NDF : 0.0/0

16.619+/-0.000 χ^2/NDF : 192701485090997361

16.917+/-0.000 χ^2/NDF : 671900583321245421

IGL1I00OD16_16_mean vs Slug



Right In: 16.503 ± 0.000 χ^2/NDF : 173220779220767859821342581850112.0/16

Left Out: 16.009 ± 0.000 χ^2/NDF : 984.5/1

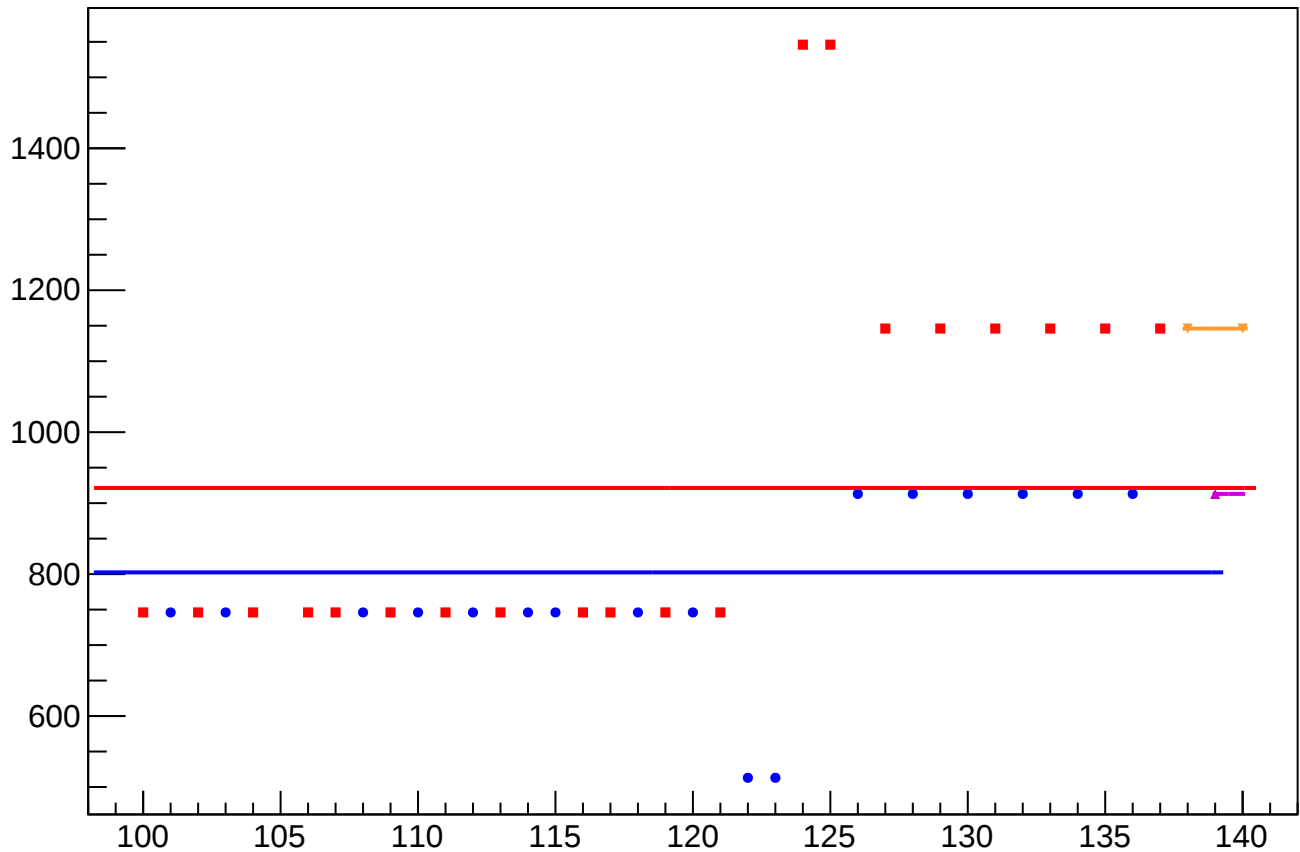
Right Out: 16.009 ± 0.000 χ^2/NDF : 51711.4/19

Left In: 17.009 ± 0.000 χ^2/NDF : 0.0/0

16.410 ± 0.000 χ^2/NDF : 204879249706906381

16.099 ± 0.000 χ^2/NDF : 673381995133761468

RTPAPOSUCNT_mean vs Slug



Right In: 802.433+/-0.000 χ^2/NDF : 8518512859792873312396438277176950784.0/16

Left Out: 1146.014+/-0.000 χ^2/NDF : 10202838200006770467799040.0/1

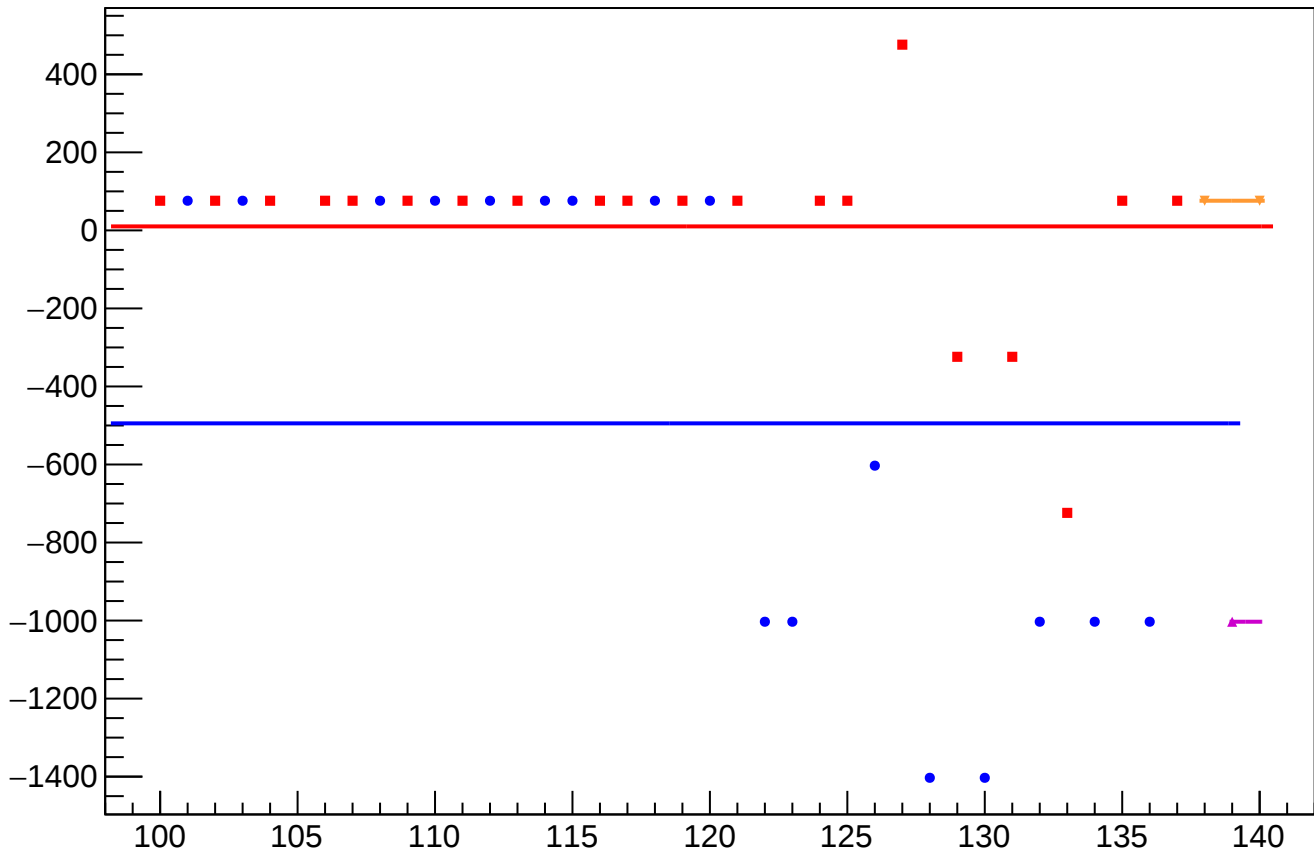
Right Out: 921.400+/-0.000 χ^2/NDF : 44830922812168808267288896825047646208.0/19

Left In: 912.991+/-0.000 χ^2/NDF : 956427.6/0

866.880+/-0.000 χ^2/NDF : 23863315027471472

920.643+/-0.000 χ^2/NDF : 44835684410177700

RTPAPOSVCNT_mean vs Slug



Right In: -494.579+/-0.000 χ^2/NDF : 253199546676747861412476401848126799872.0/16
 Left Out: 76.010+/-0.000 χ^2/NDF : 13487823564373963487313920.0/1
 Right Out: 10.233+/-0.000 χ^2/NDF : 43963419681025124833204803444750155776.0/19
 Left In: -1002.991+/-0.000 χ^2/NDF : 956427.6/0