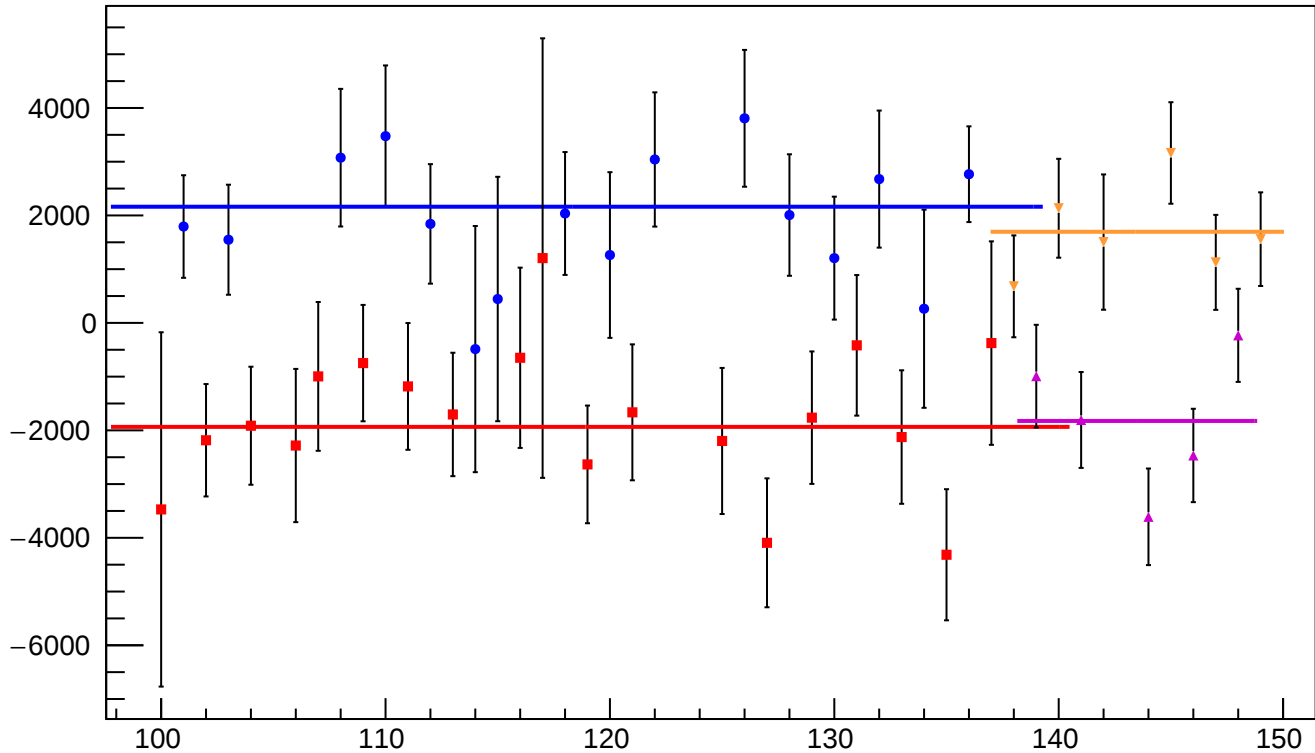


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

1982.547+/-240.908

χ^2/NDF : 14.1/21

Left Out: 1695.960+/-388.023

χ^2/NDF : 4.2/5

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

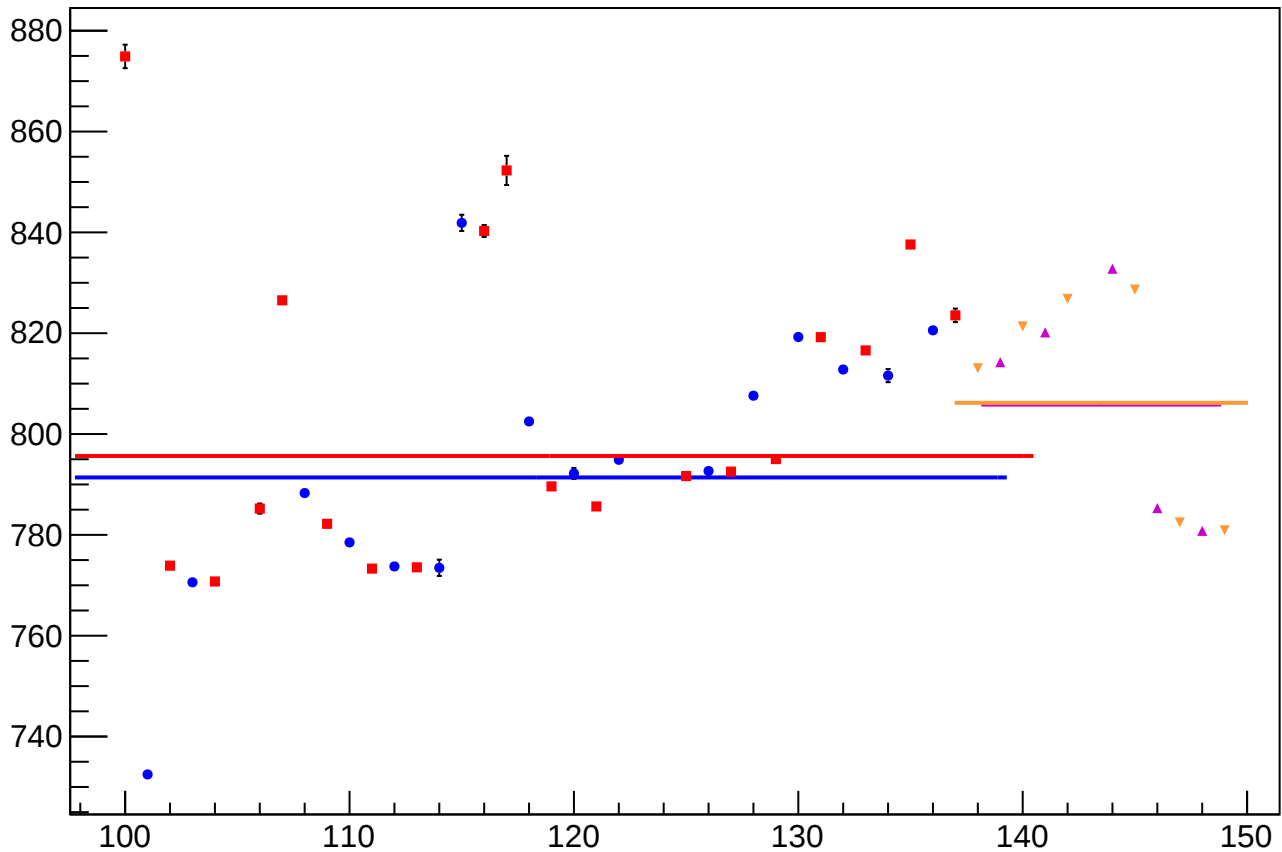
-1895.617+/-239.922

χ^2/NDF : 21.9/23

Left In: -1825.107+/-400.177

χ^2/NDF : 8.6/4

reg_asym_us_avg_rms vs Slug



Right In: 791.390+/-0.217 χ^2/NDF : 15008.3/15

Left Out: 806.193+/-0.274 χ^2/NDF : 5440.6/5

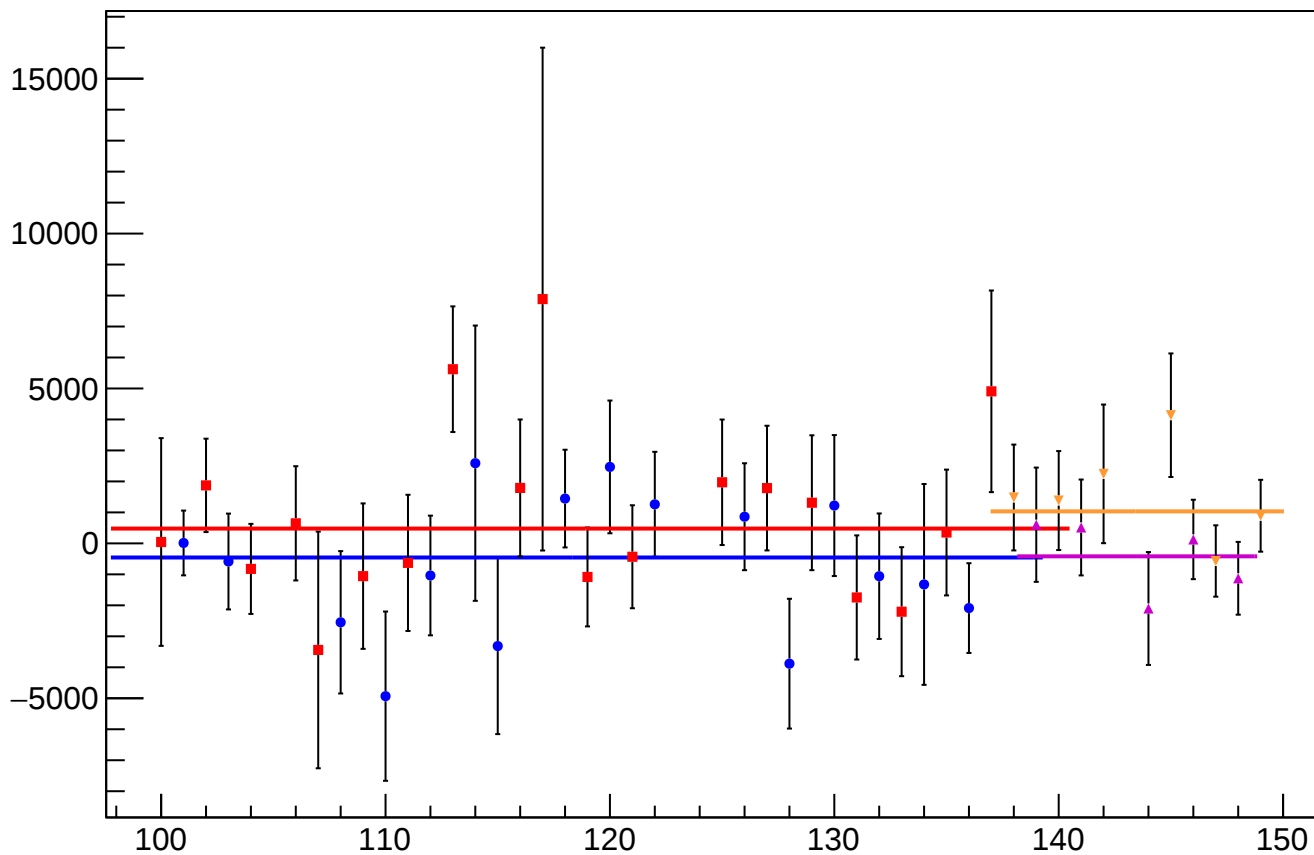
Right Out: 795.650+/-0.212 χ^2/NDF : 11945.4/18

Left In: 805.843+/-0.283 χ^2/NDF : 5254.2/4

797.096+/-0.170 χ^2/NDF : 22237.5/21

799.314+/-0.170 χ^2/NDF : 18030.7/23

asym_us_avg_correction_mean vs Slug



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

Left Out: 1033.336 ± 610.475 χ^2/NDF : 4.8/5

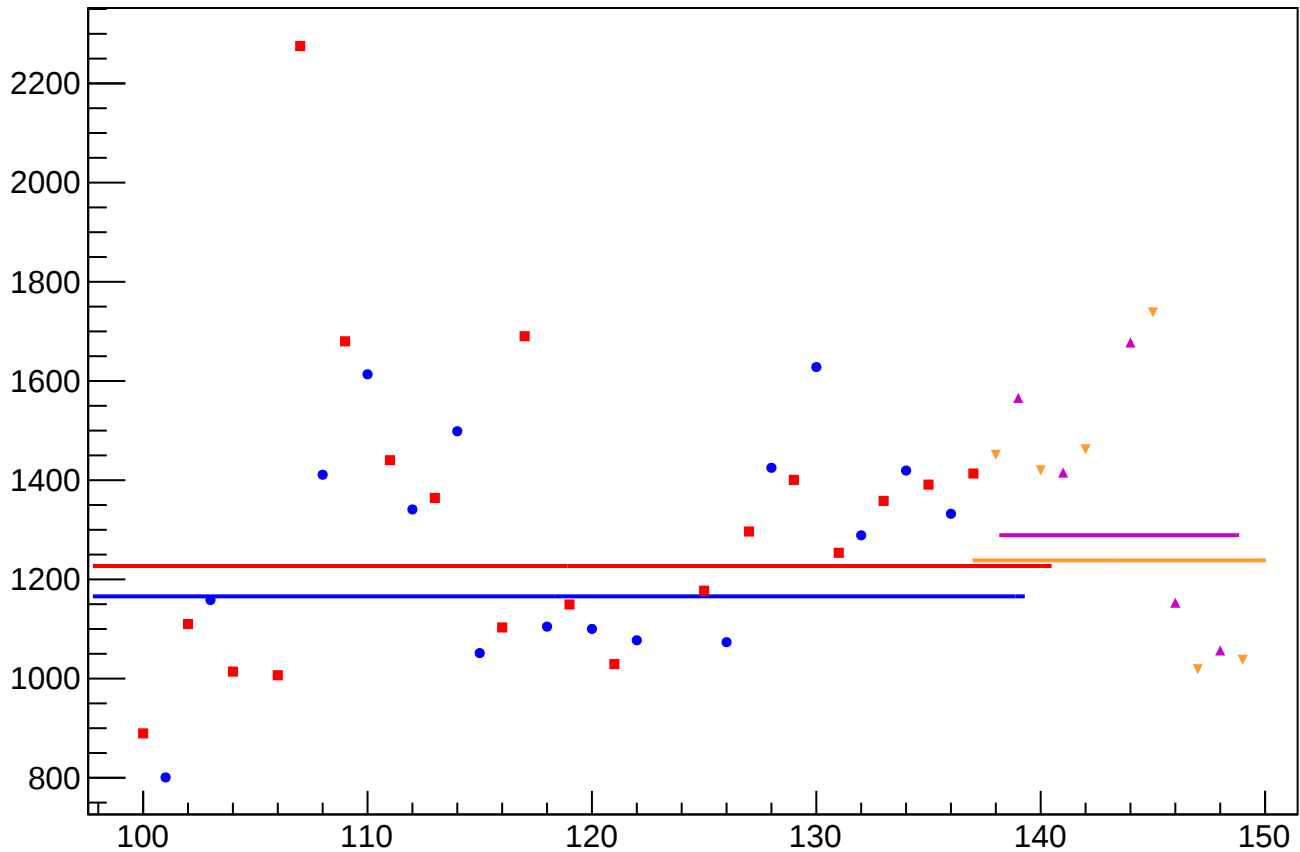
Right Out: 477.782 ± 471.960 χ^2/NDF : 18.2/18

Left In: -418.355 ± 652.808 χ^2/NDF : 2.1/4

89.894 ± 369.525 χ^2/NDF : 23.4/21

170.169 ± 382.473 χ^2/NDF : 21.5/23

asym_us_avg_correction_rms vs Slug



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

Left Out: 1238.362 $\pm$ 0.432 χ^2 /NDF: 335127.6/5

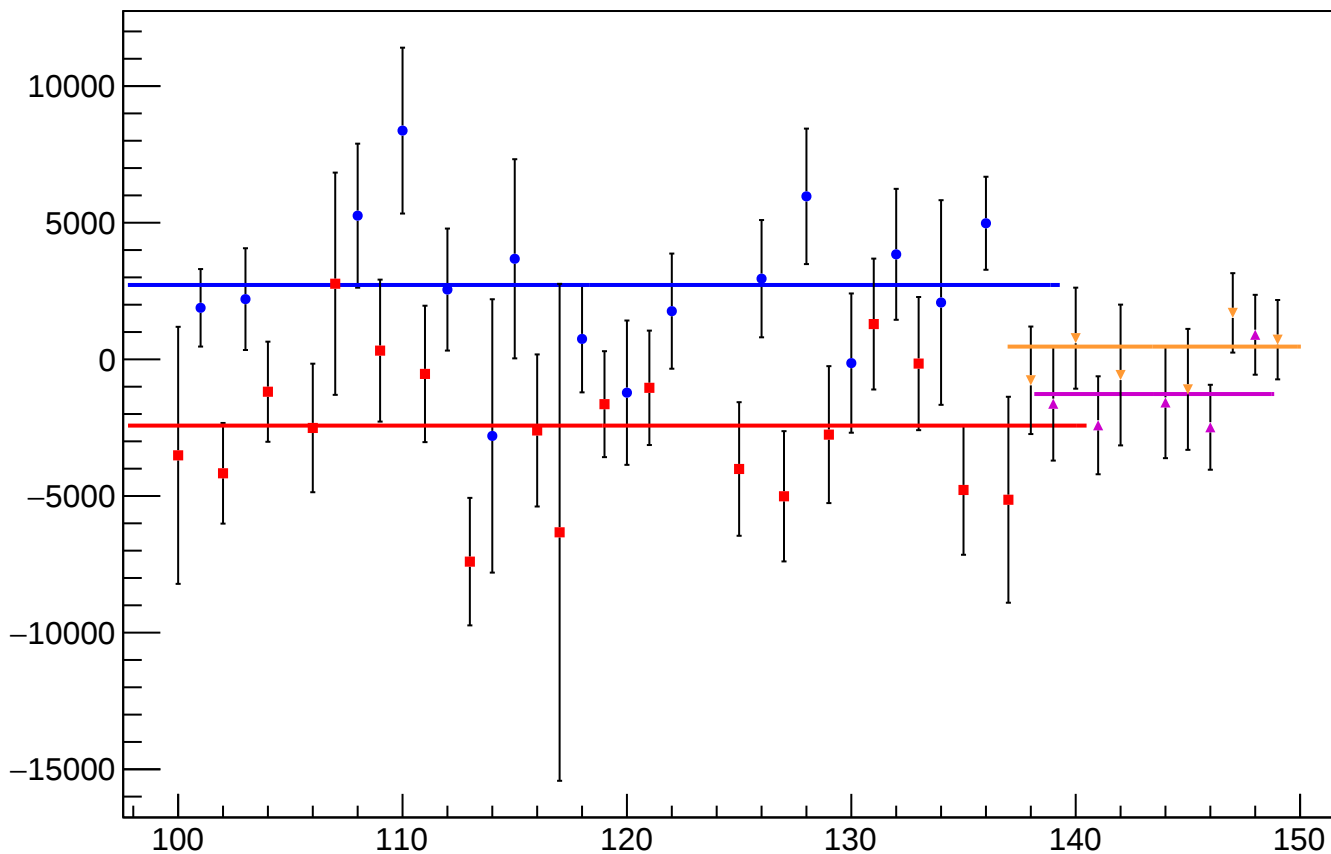
Right Out: 1227.021 $\pm$ 0.334 χ^2 /NDF: 446961.2/18

Left In: 1289.048 $\pm$ 0.462 χ^2 /NDF: 250202.1/4

1192.394 $\pm$ 0.261 χ^2 /NDF: 879826.3/21

1248.312 $\pm$ 0.270 χ^2 /NDF: 709021.3/23

asym_us_avg_mean vs Slug



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

Left Out: 466.828 ± 734.451 χ^2/NDF : 1.8/5

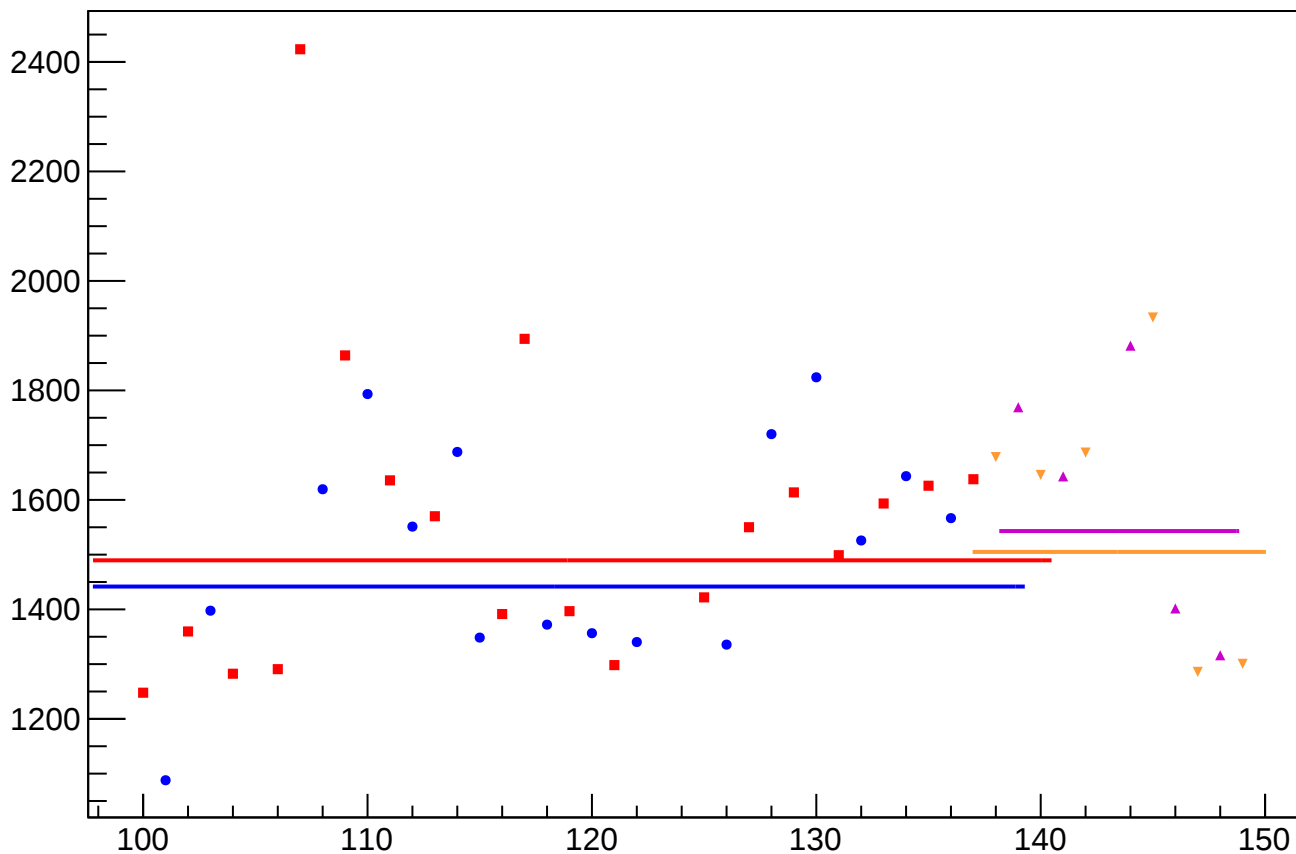
Right Out: -2423.739 ± 567.866 χ^2/NDF : 16.5/18

Left In: -1268.696 ± 775.088 χ^2/NDF : 3.3/4

1879.758 ± 448.892 χ^2/NDF : 22.3/21

-2020.299 ± 458.080 χ^2/NDF : 21.2/23

asym_us_avg_rms vs Slug



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

Left Out: 1504.971+/-0.519 χ^2/NDF :197008.7/5

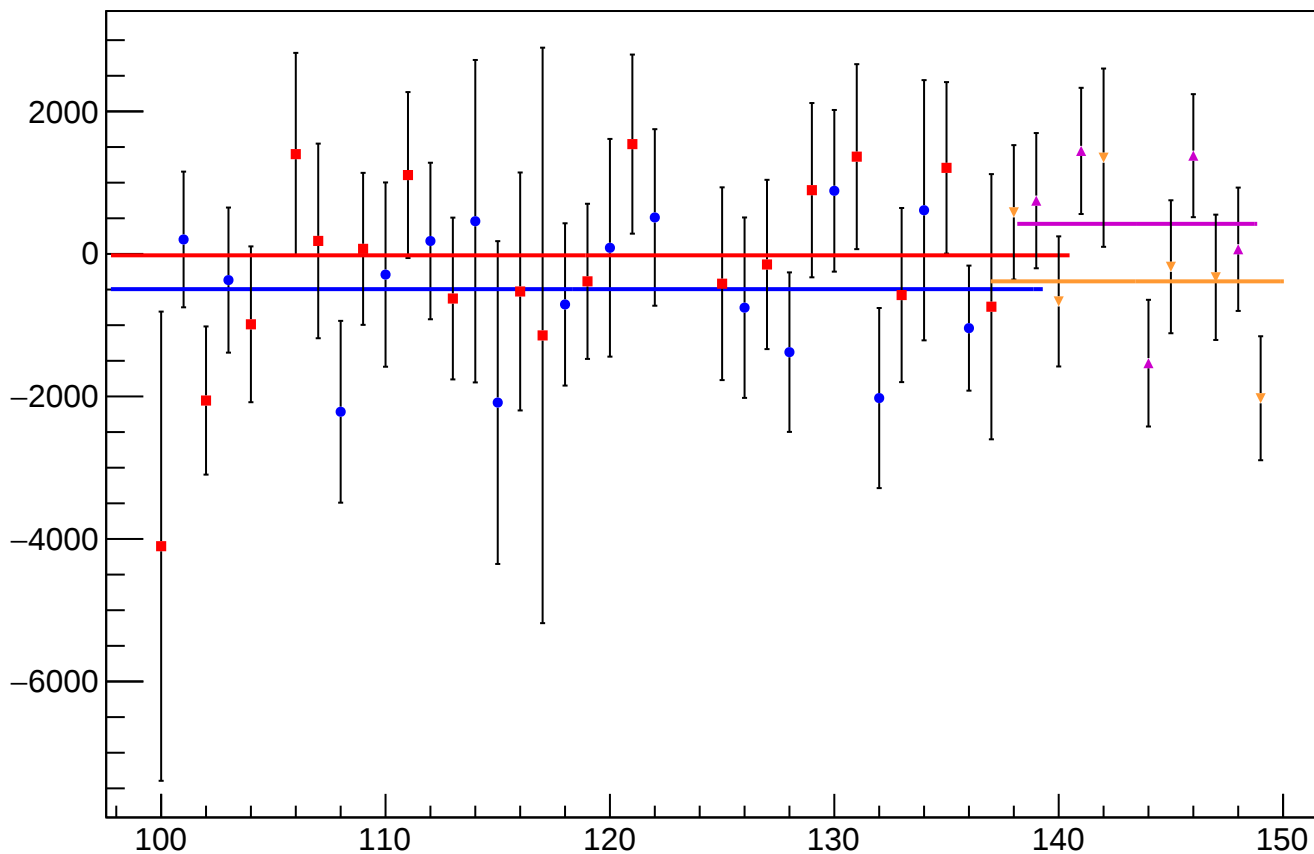
Right Out: 1489.610+/-0.402 χ^2/NDF : 260116.0/18

Left In: 1543.077+/-0.548 χ^2/NDF :149726.5/4

1465.348+/-0.317 χ^2/NDF : 482203.7/21

1508.285+/-0.324 χ^2/NDF : 416035.3/23

reg_asym_us_dd_mean vs Slug



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

Left Out: -384.801 ± 385.585 χ^2/NDF : 6.7/5

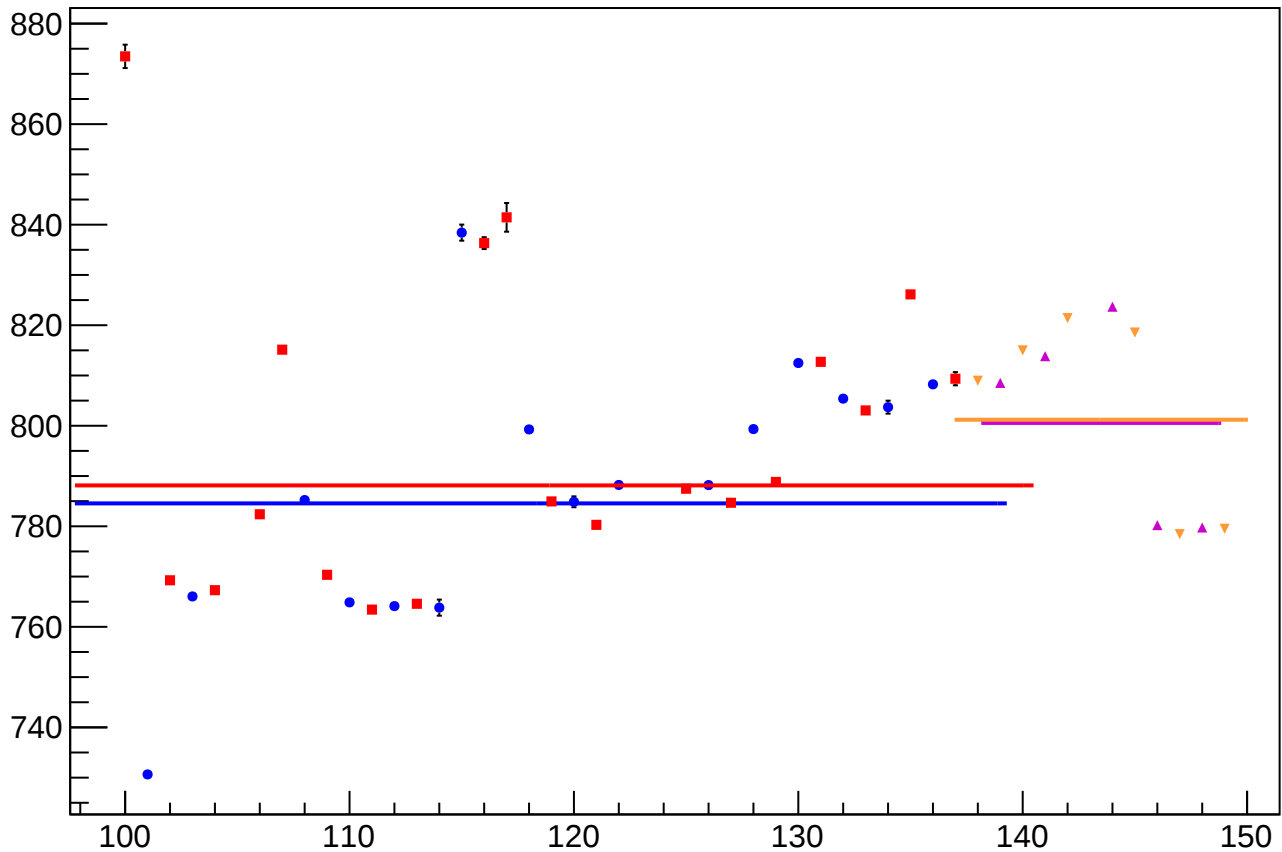
Right Out: -19.622 ± 296.930 χ^2/NDF : 13.4/18

Left In: 422.150 ± 397.514 χ^2/NDF : 7.7/4

-452.170 ± 239.039 χ^2/NDF : 15.4/21

138.592 ± 237.890 χ^2/NDF : 21.9/23

reg_asym_us_dd_rms vs Slug



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

Left Out: 801.200+/-0.273 χ^2/NDF : 4388.6/5

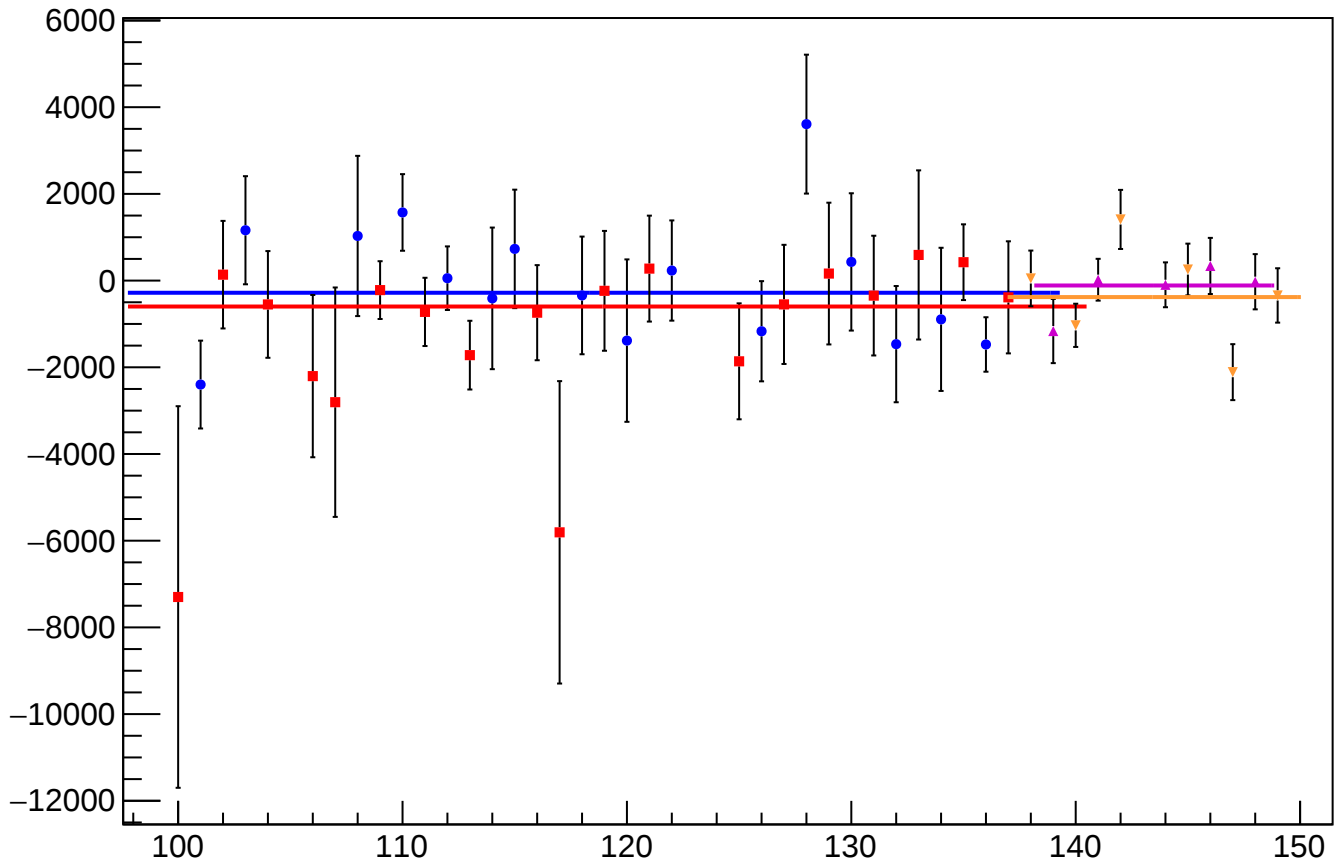
Right Out: 788.134+/-0.210 χ^2/NDF : 11259.7/18

Left In: 800.563+/-0.281 χ^2/NDF : 4207.9/4

790.954+/-0.169 χ^2/NDF : 20360.1/21

792.585+/-0.168 χ^2/NDF : 16722.5/23

asym_us_dd_correction_mean vs Slug



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

Left Out: -380.332 ± 247.300 χ^2/NDF : 17.4/5

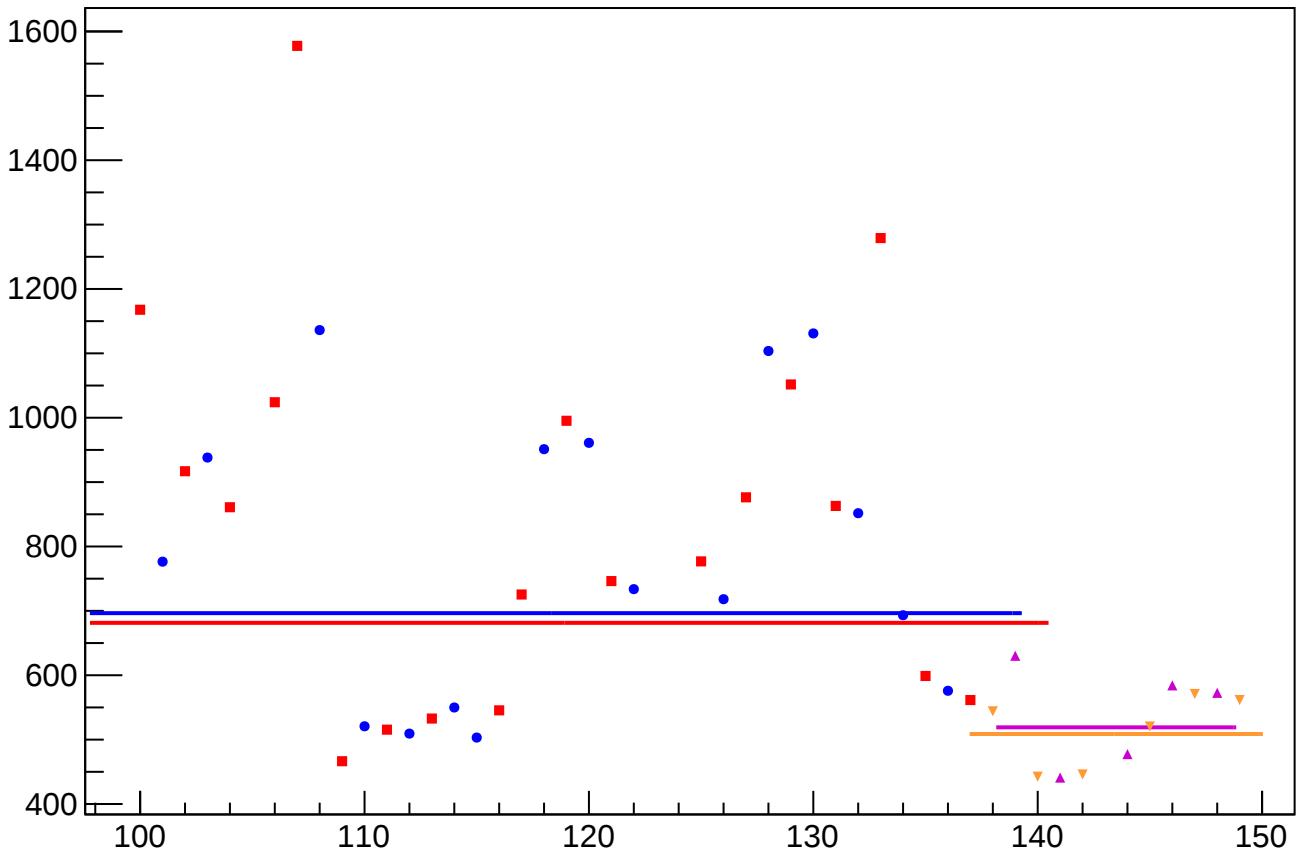
Right Out: -598.108 ± 272.052 χ^2/NDF : 12.2/18

Left In: -112.984 ± 260.750 χ^2/NDF : 2.6/4

-337.077 ± 186.076 χ^2/NDF : 40.6/21

-345.260 ± 188.247 χ^2/NDF : 16.4/23

asym_us_dd_correction_rms vs Slug



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

Left Out: 508.704 ± 0.175 χ^2/NDF : 91880.4/5

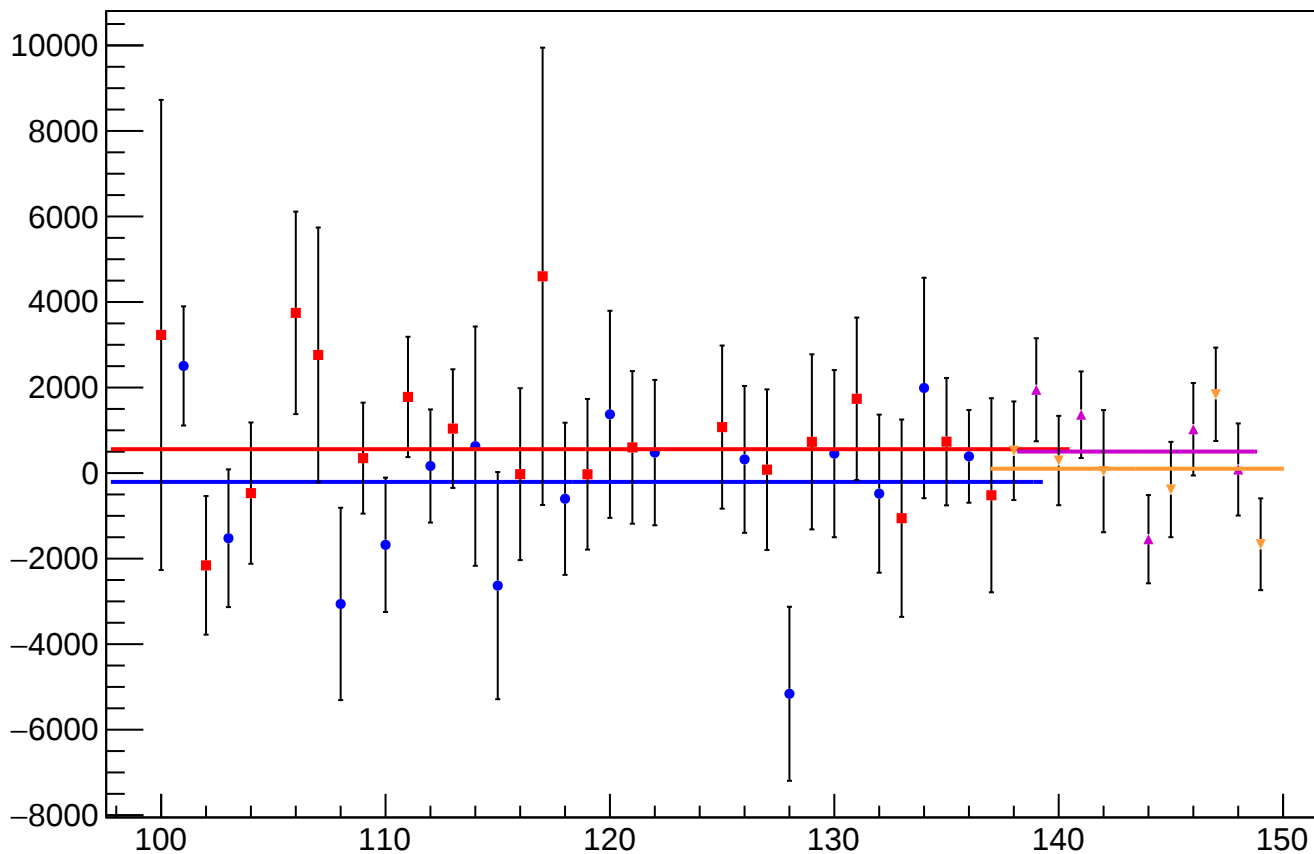
Right Out: 681.396 ± 0.192 χ^2/NDF : 1352876.1/18

Left In: 519.068 ± 0.184 χ^2/NDF : 144796.9/4

590.163 ± 0.132 χ^2/NDF : 1551538.1/21

596.790 ± 0.133 χ^2/NDF : 1868801.1/23

asym_us_dd_mean vs Slug



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

Left Out: 101.750 ± 462.720 χ^2/NDF : 5.6/5

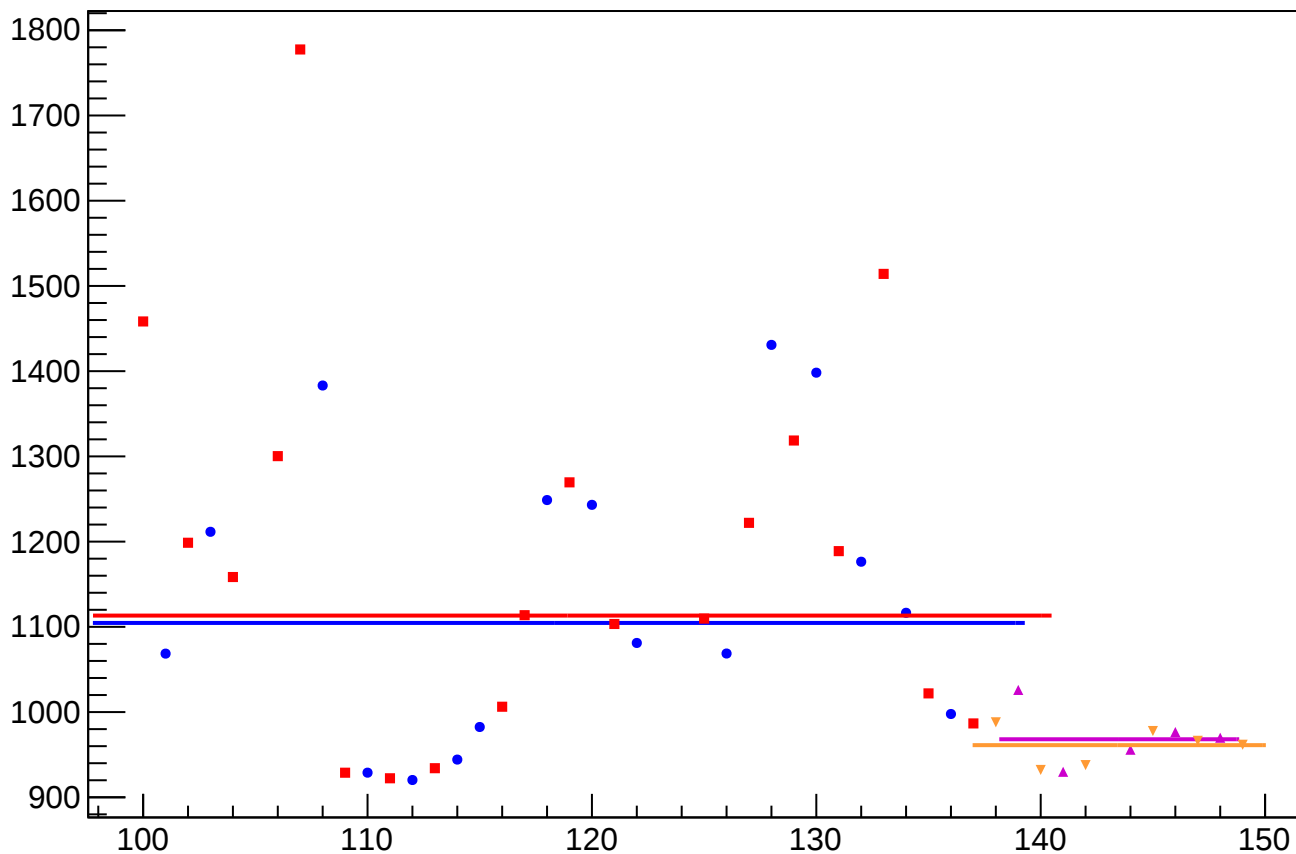
Right Out: 558.638 ± 425.771 χ^2/NDF : 8.7/18

Left In: 503.113 ± 480.926 χ^2/NDF : 6.5/4

-62.256 ± 316.463 χ^2/NDF : 21.6/21

534.241 ± 318.790 χ^2/NDF : 15.2/23

asym_us_dd_rms vs Slug



Right In: 1104.596 $\pm$ 0.307 χ^2 /NDF: 255488.3/15

Left Out: 961.194 $\pm$ 0.327 χ^2 /NDF:3654.7/5

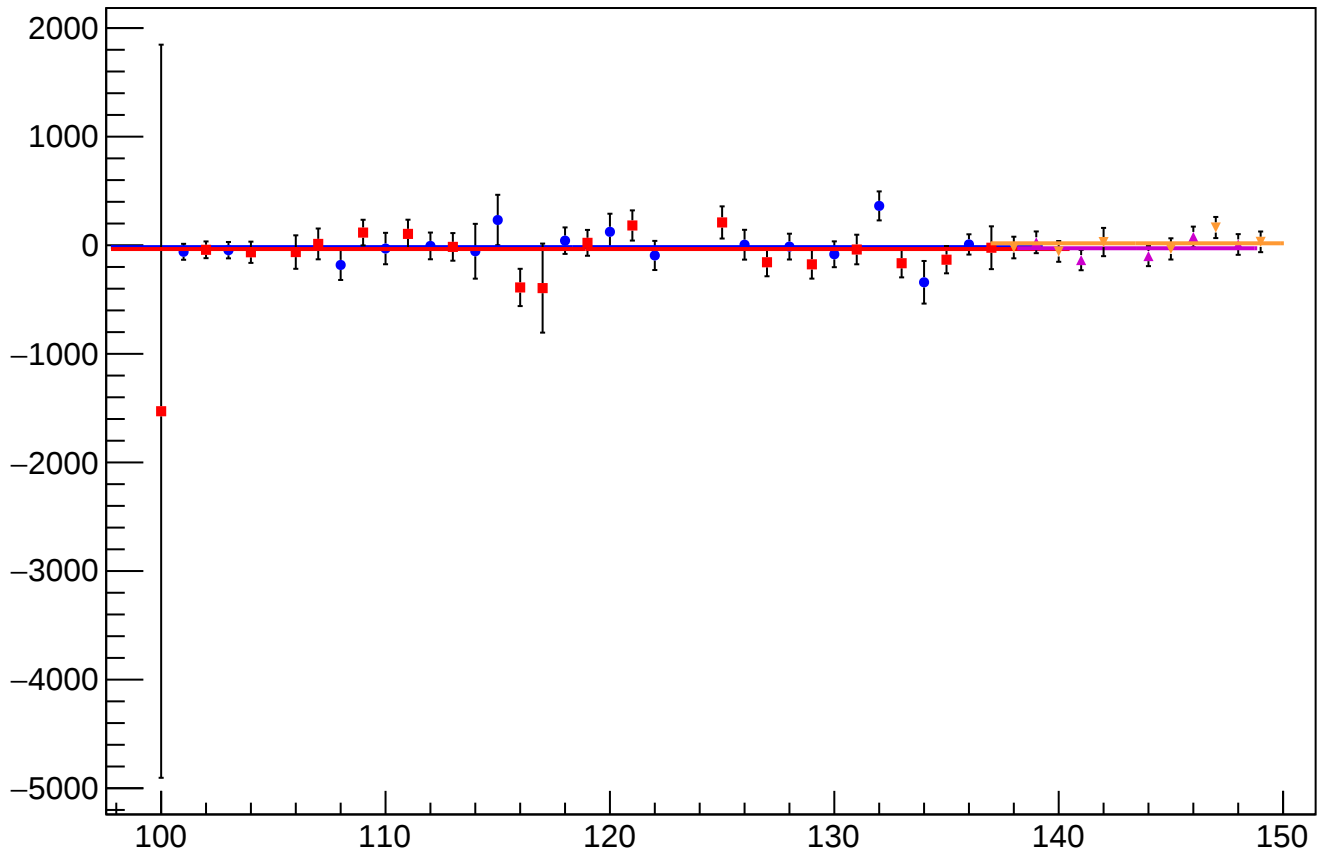
Right Out: 1113.218 $\pm$ 0.301 χ^2 /NDF: 362982.2/18

Left In: 968.102 $\pm$ 0.340 χ^2 /NDF:7878.6/4

1037.520 $\pm$ 0.224 χ^2 /NDF: 361384.6/21

1049.455 $\pm$ 0.225 χ^2 /NDF: 472945.9/23

reg_asym_ds_avg_mean vs Slug



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

-5.027 ± 24.237 χ^2/NDF : 19.4/21

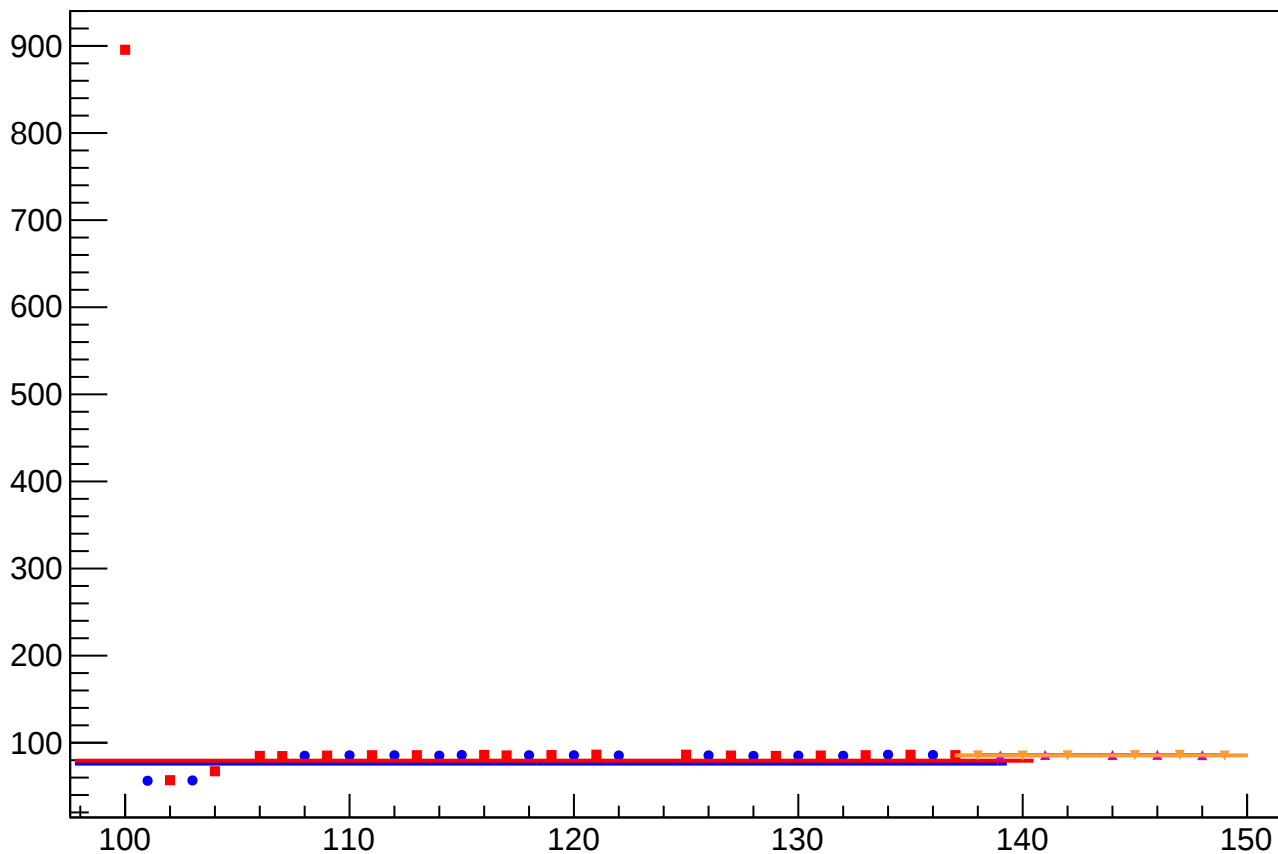
Left Out: 17.974 ± 41.160 χ^2/NDF : 3.3/5

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

-32.462 ± 24.729 χ^2/NDF : 20.9/23

Left In: -27.707 ± 42.622 χ^2/NDF : 3.6/4

reg_asym_ds_avg_rms vs Slug



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

Left Out: 85.546+/-0.029 χ^2/NDF :128.5/5

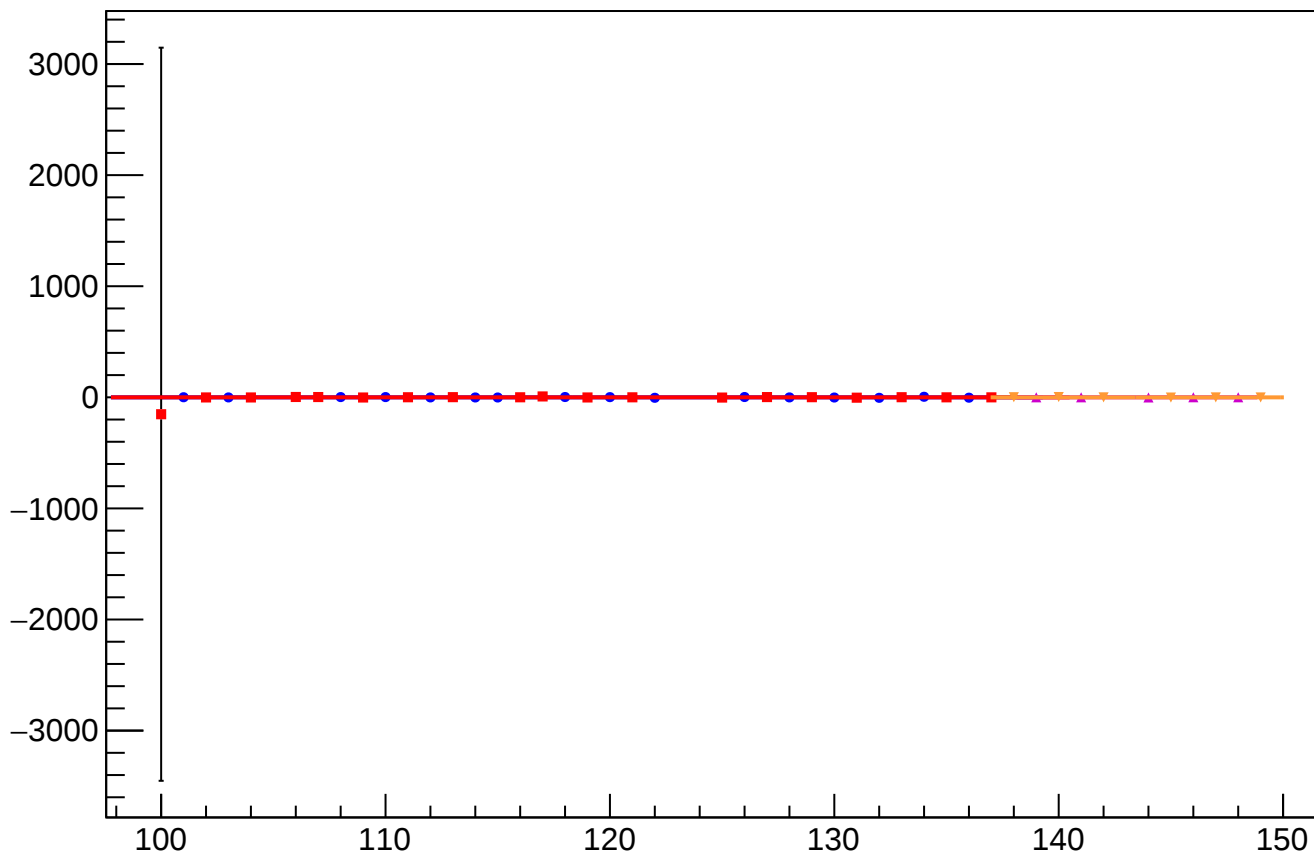
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.856+/-0.030 χ^2/NDF :96.6/4

79.362+/-0.017 χ^2/NDF : 478414.2/21

81.589+/-0.017 χ^2/NDF : 409276.0/23

asym_ds_avg_correction_mean vs Slug



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

Left Out: -0.366+/-0.696 χ^2/NDF : 4.5/5

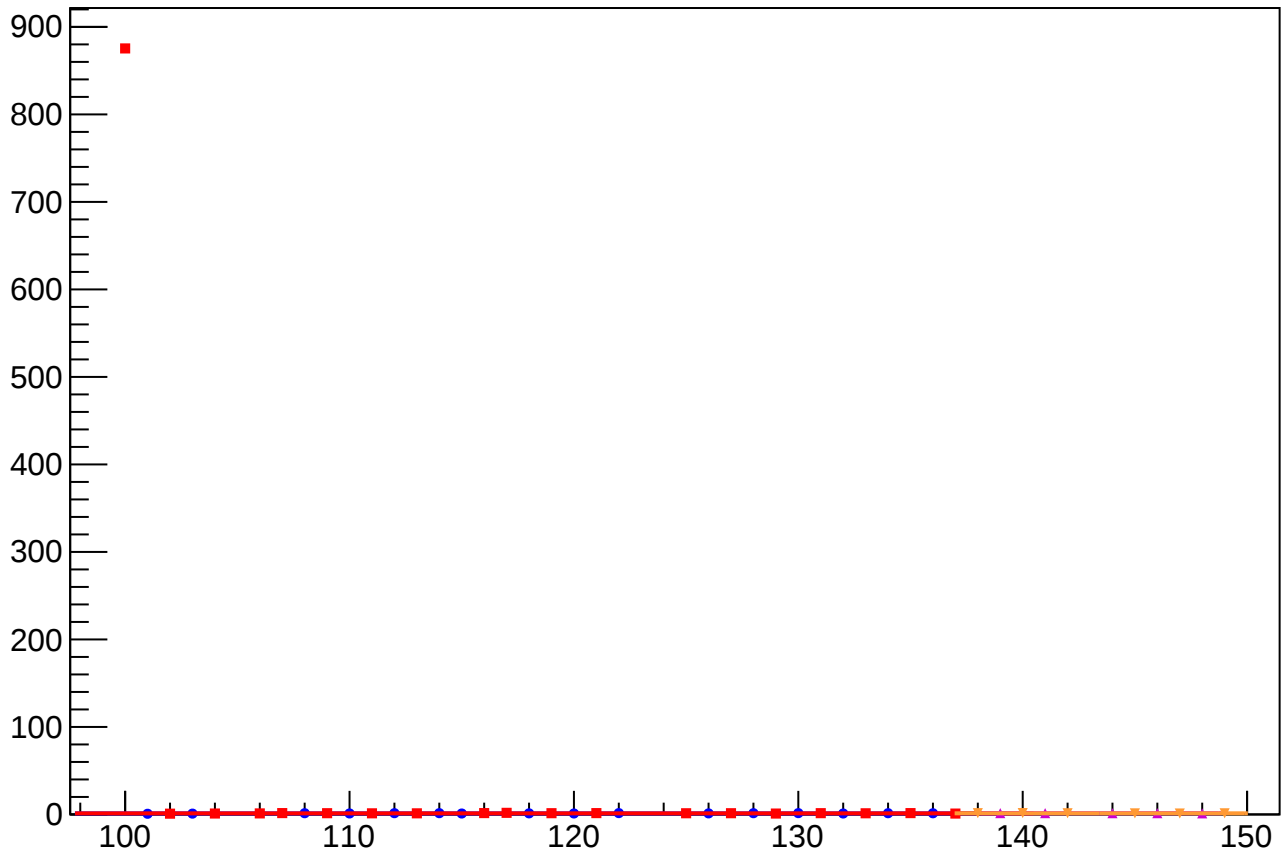
Right Out: -0.051+/-0.520 χ^2/NDF : 9.8/18

Left In: 0.108+/-0.757 χ^2/NDF : 0.7/4

-0.310+/-0.407 χ^2/NDF : 25.6/21

-0.000+/-0.428 χ^2/NDF : 10.5/23

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.308 $\pm$ 0.000 χ^2 /NDF: 105875.3/5

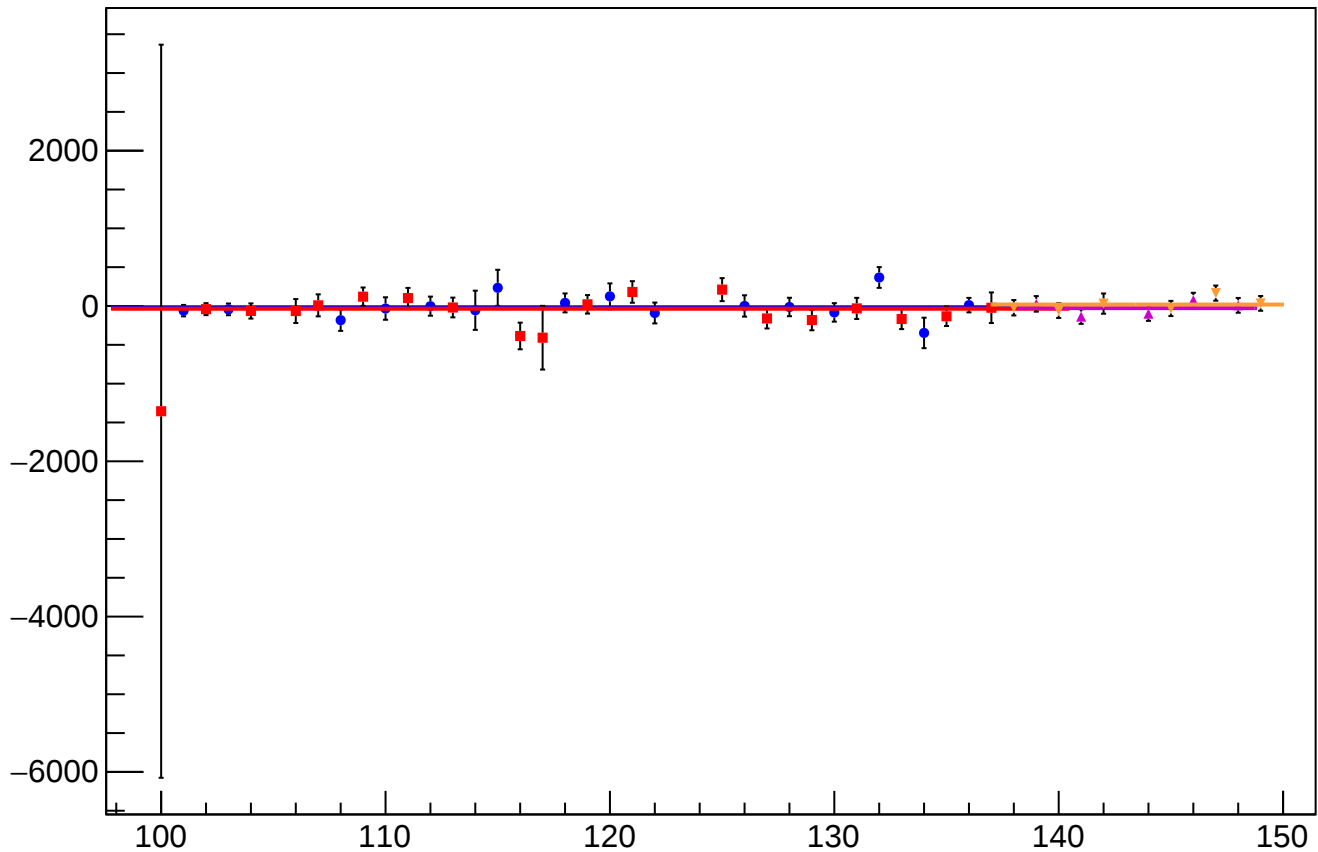
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

Left In: 1.416 $\pm$ 0.001 χ^2 /NDF: 35595.0/4

1.206 $\pm$ 0.000 χ^2 /NDF: 686125.0/21

1.303 $\pm$ 0.000 χ^2 /NDF: 627718.4/23

asym_ds_avg_mean vs Slug



Right In: -16.311 $\pm$ 29.996 χ^2 /NDF: 15.9/15

Left Out: 18.731 $\pm$ 41.170 χ^2 /NDF: 3.4/5

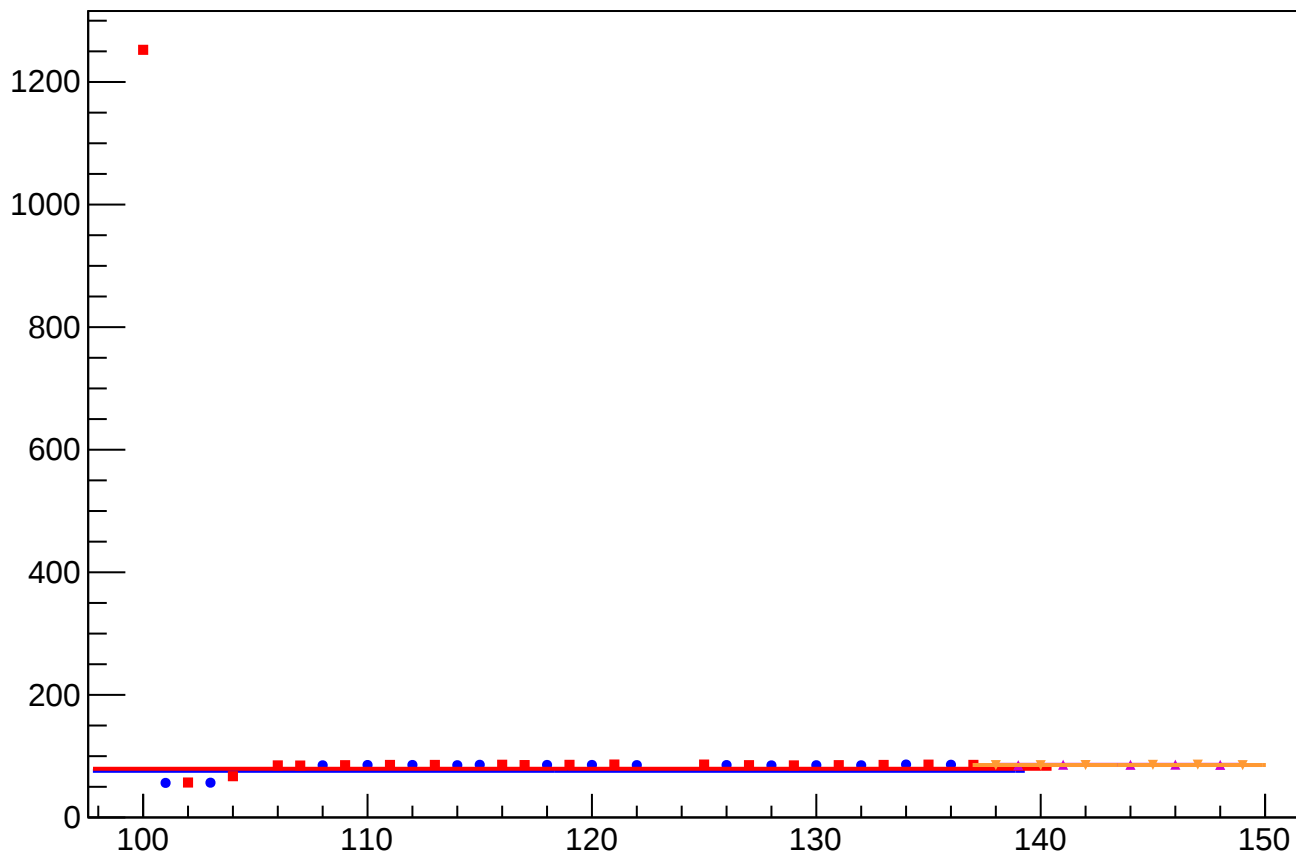
Right Out: -35.172 $\pm$ 30.371 χ^2 /NDF: 17.4/18

Left In: -27.527 $\pm$ 42.633 χ^2 /NDF: 3.5/4

-4.160 $\pm$ 24.244 χ^2 /NDF: 19.7/21

-32.598 $\pm$ 24.736 χ^2 /NDF: 20.9/23

asym_ds_avg_rms vs Slug



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

Left Out: 85.568+/-0.029 χ^2/NDF :128.6/5

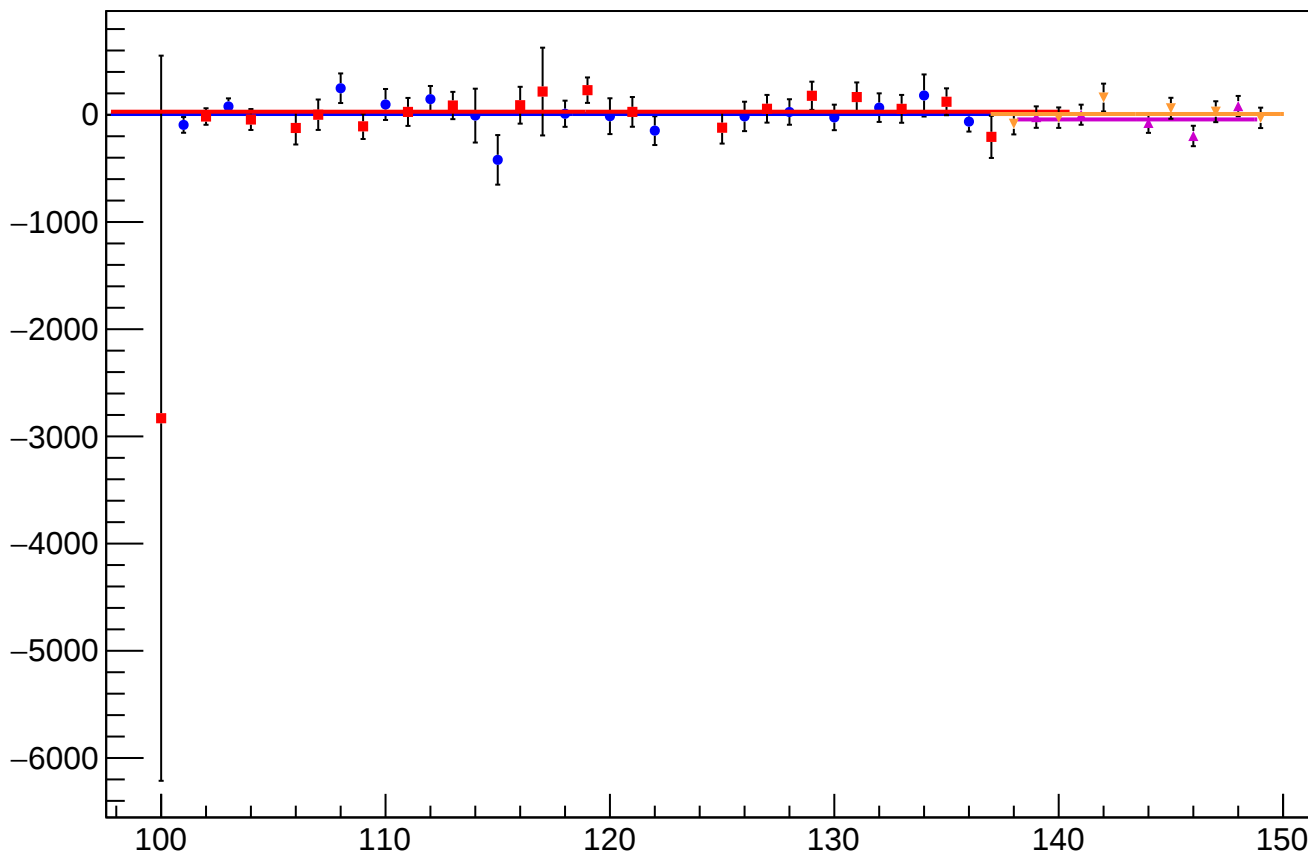
Right Out: 79.426+/-0.021 χ^2/NDF : 385484.8/18

Left In: 85.878+/-0.030 χ^2/NDF :96.9/4

79.382+/-0.017 χ^2/NDF : 478442.3/21

81.598+/-0.017 χ^2/NDF : 415964.7/23

reg_asym_ds_dd_mean vs Slug



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

Left Out: 7.731+/-41.172 χ^2 /NDF:2.8/5

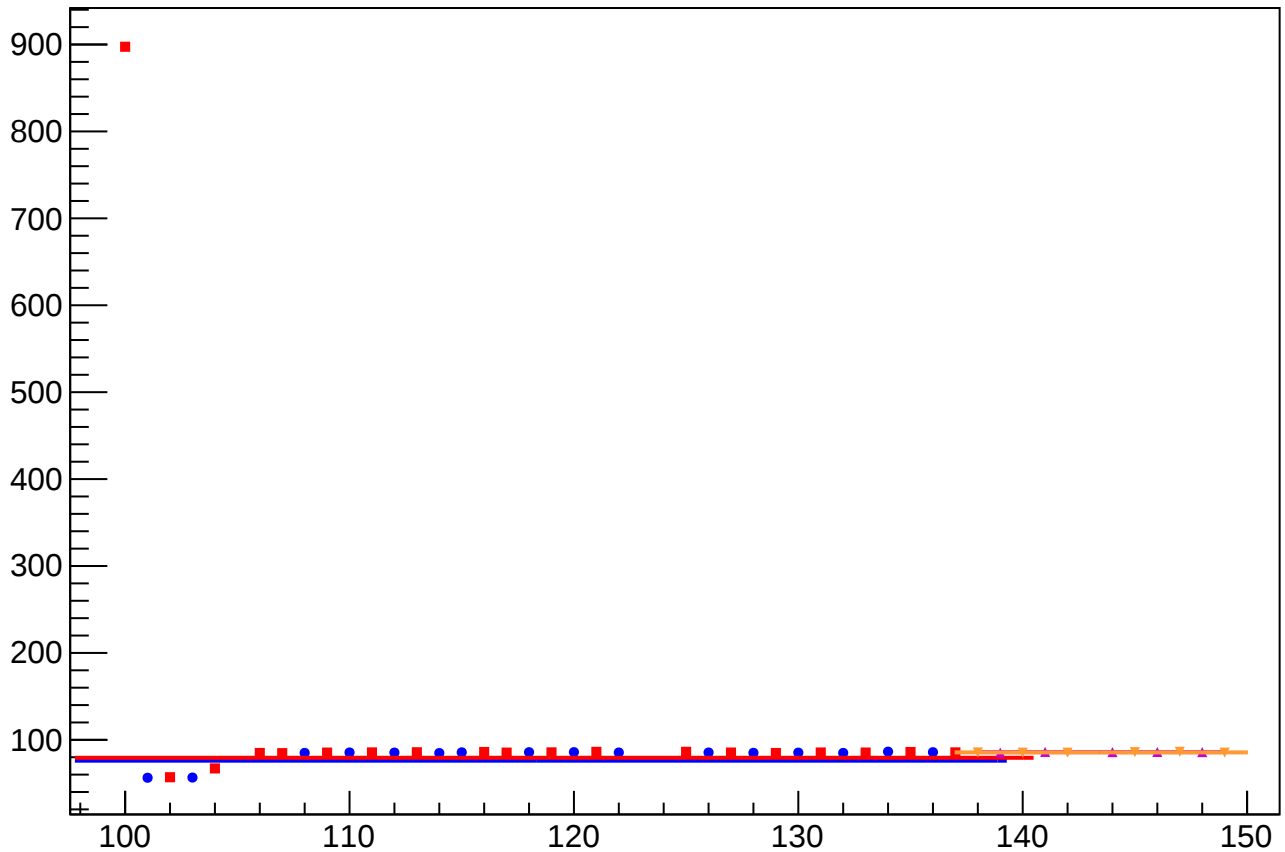
Right Out: 28.958+/-30.344 χ^2 /NDF: 12.7/18

Left In: -43.091+/-42.633 χ^2 /NDF:4.7/4

7.554+/-24.230 χ^2 /NDF: 16.8/21

4.732+/-24.722 χ^2 /NDF: 19.3/23

reg_asym_ds_dd_rms vs Slug



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

Left Out: 85.571 $\pm$ 0.029 χ^2 /NDF: 169.4/5

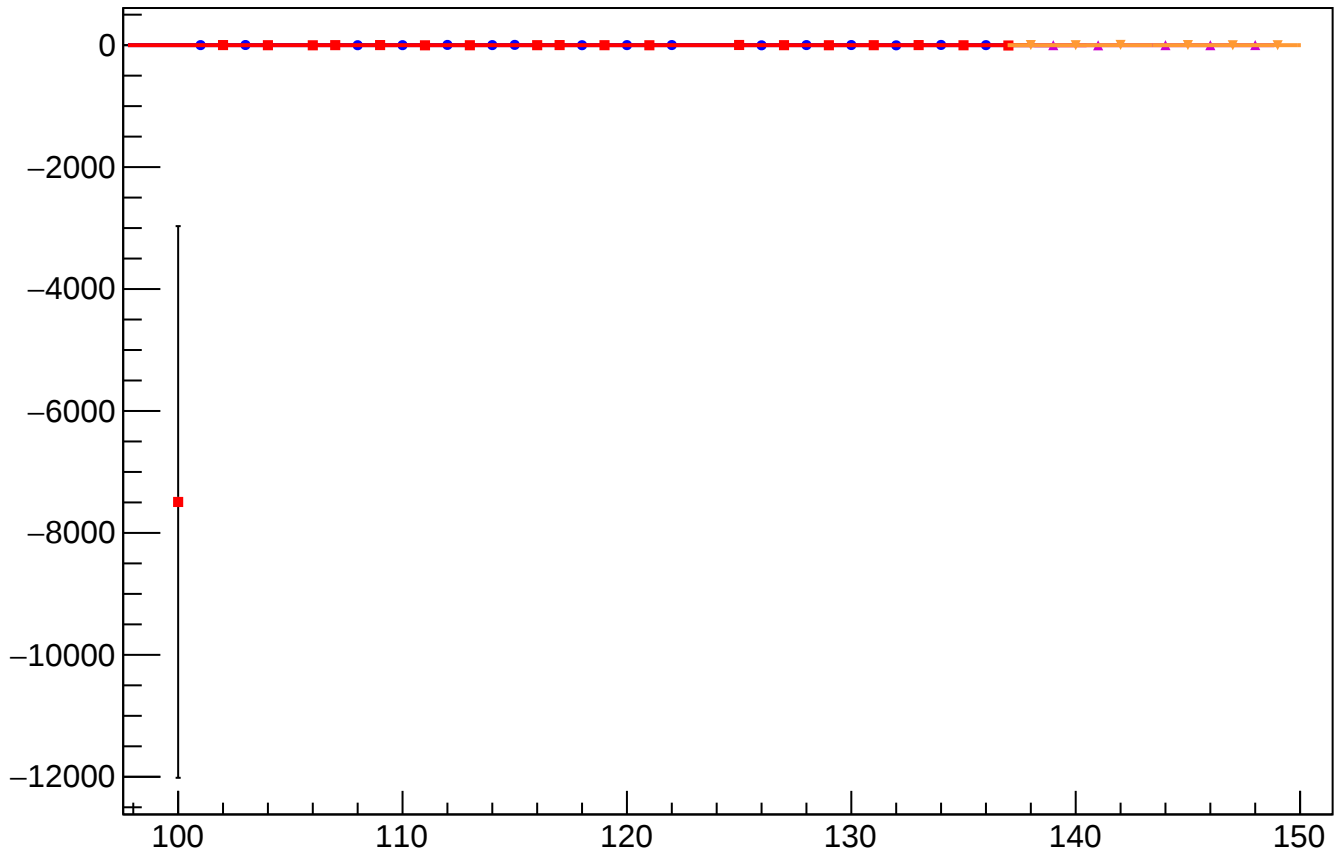
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

Left In: 85.879 $\pm$ 0.030 χ^2 /NDF: 82.6/4

79.336 $\pm$ 0.017 χ^2 /NDF: 479267.8/21

81.562 $\pm$ 0.017 χ^2 /NDF: 409782.1/23

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.306+/-0.694 χ^2/NDF : 6.2/5

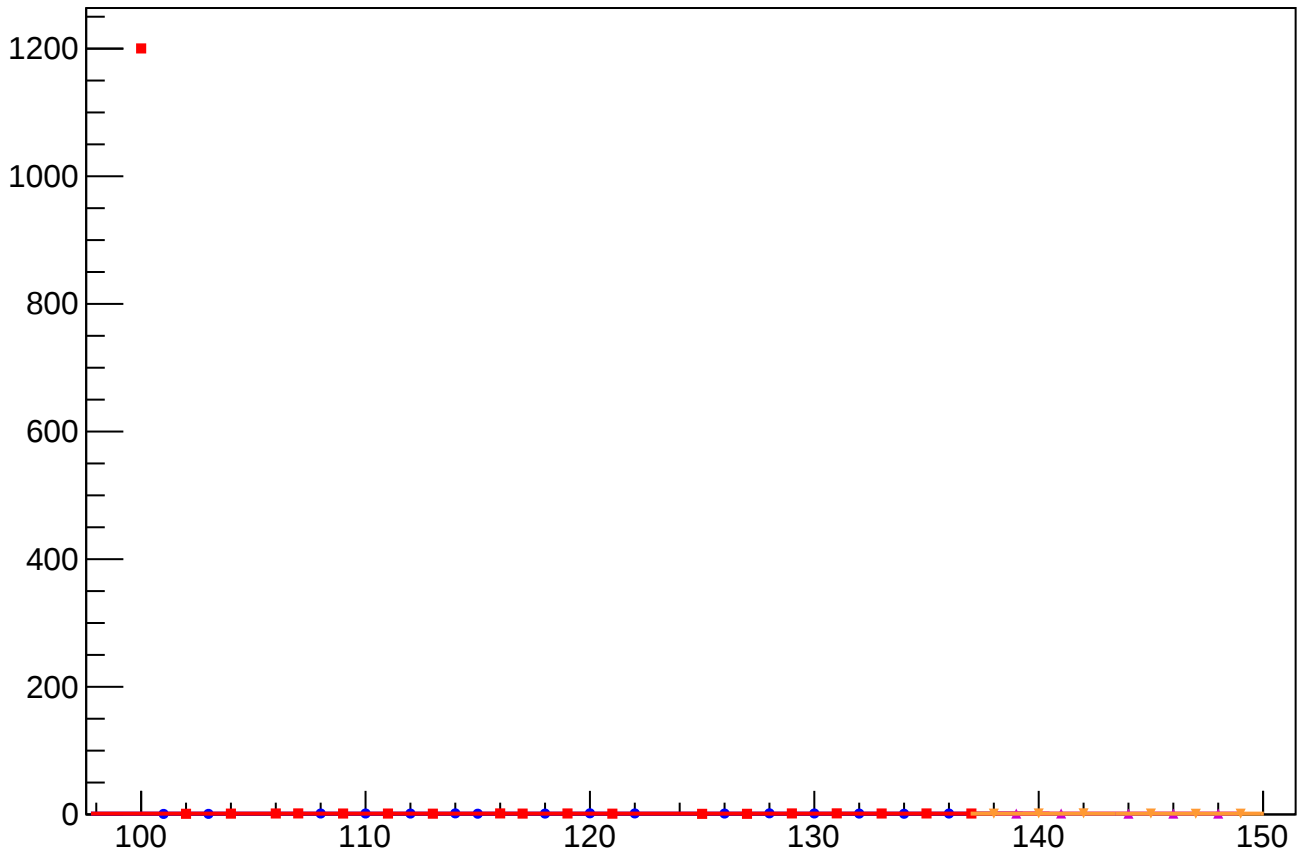
Right Out: -0.304+/-0.547 χ^2/NDF : 12.6/18

Left In: -0.004+/-0.739 χ^2/NDF : 3.0/4

0.460+/-0.422 χ^2/NDF : 20.1/21

-0.198+/-0.439 χ^2/NDF : 15.7/23

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.299 $\pm$ 0.000 χ^2 /NDF:155272.3/5

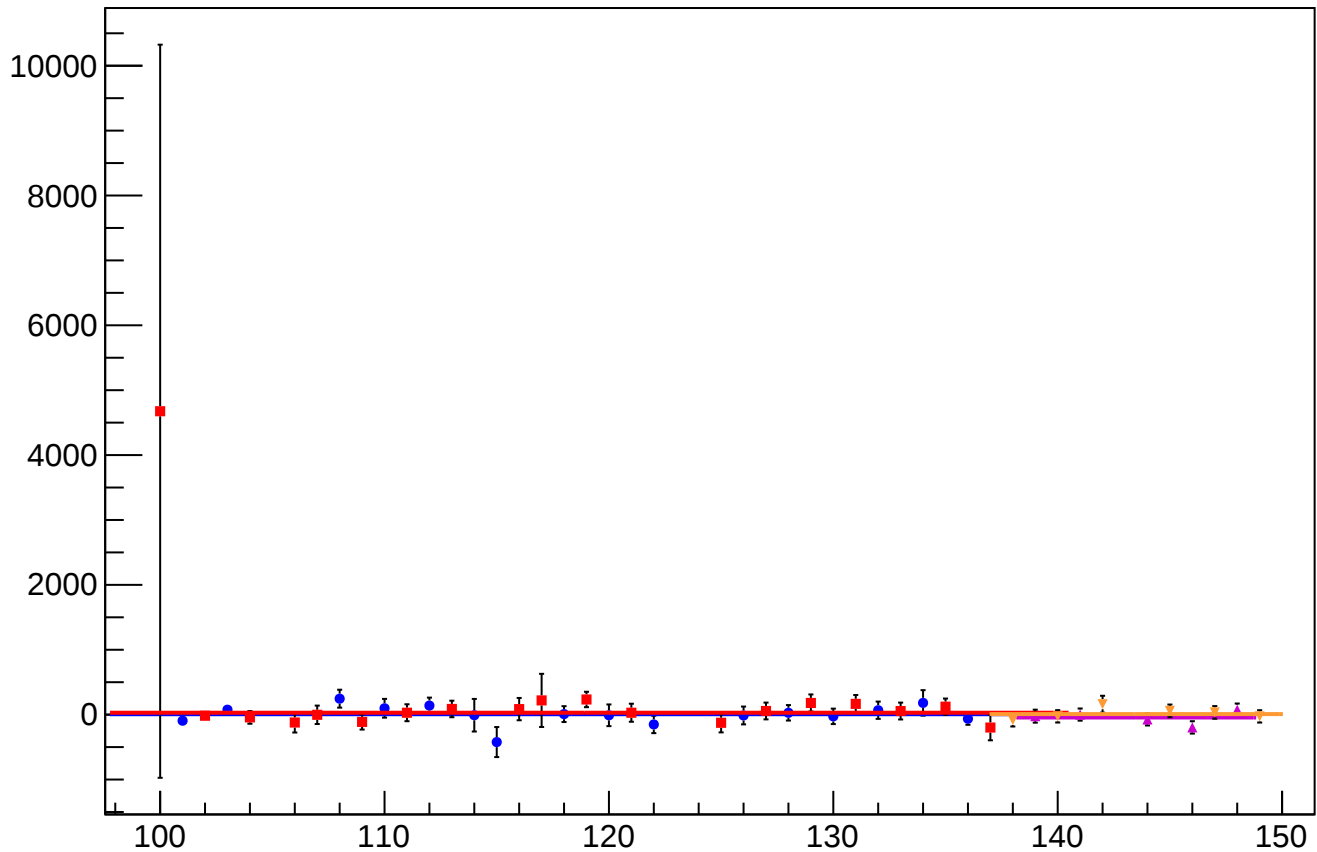
Right Out: 1.318 $\pm$ 0.000 χ^2 /NDF: 521623.7/18

Left In: 1.365 $\pm$ 0.001 χ^2 /NDF:33004.0/4

1.260 $\pm$ 0.000 χ^2 /NDF: 822927.1/21

1.334 $\pm$ 0.000 χ^2 /NDF: 559889.2/23

asym_ds_dd_mean vs Slug



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

Left Out: 8.643+/-41.183 χ^2 /NDF: 2.8/5

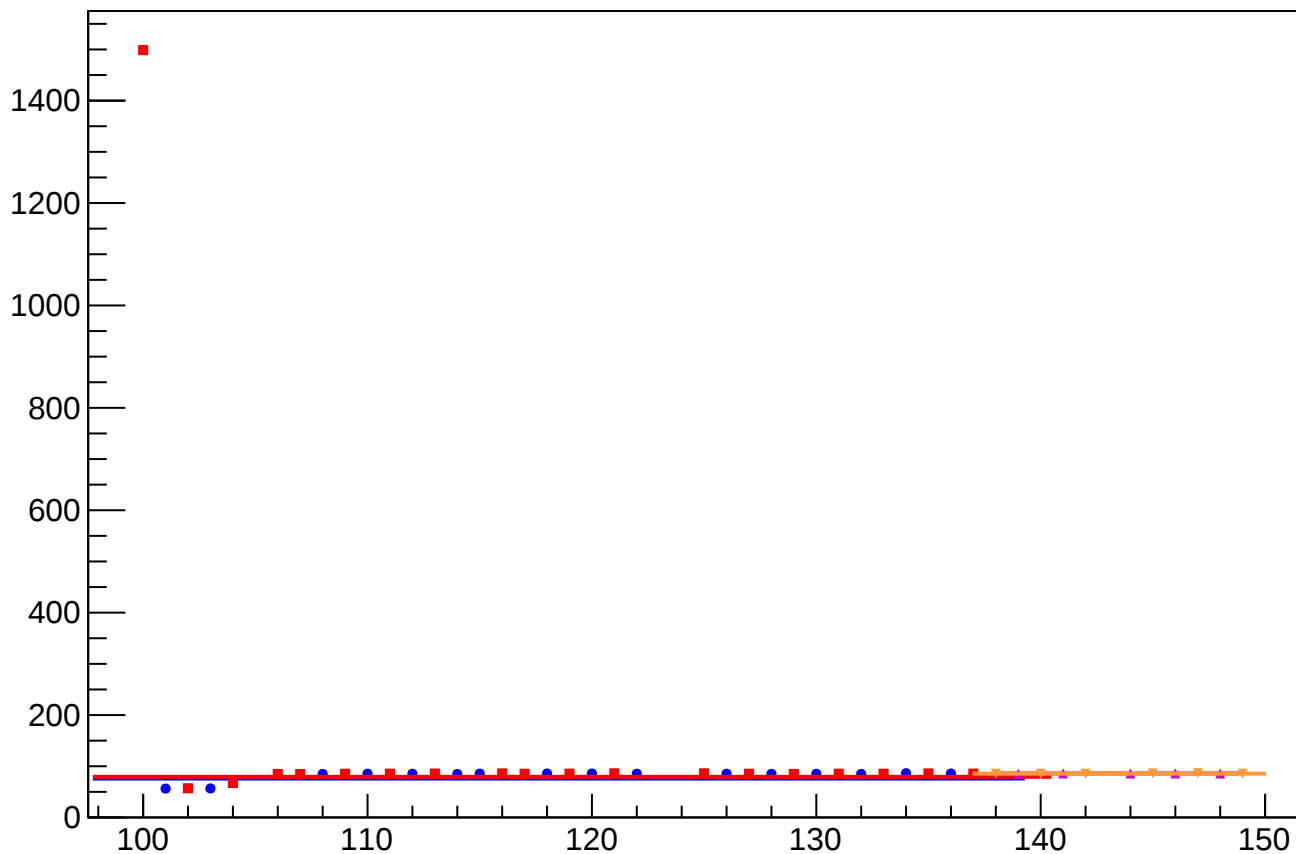
Right Out: 29.600+/-30.353 χ^2 /NDF: 12.9/18

Left In: -43.807+/-42.645 χ^2 /NDF: 4.5/4

7.426+/-24.236 χ^2 /NDF: 16.6/21

4.916+/-24.729 χ^2 /NDF: 19.4/23

asym_ds_dd_rms vs Slug



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

Left Out: 85.594+/-0.029 χ^2/NDF : 168.6/5

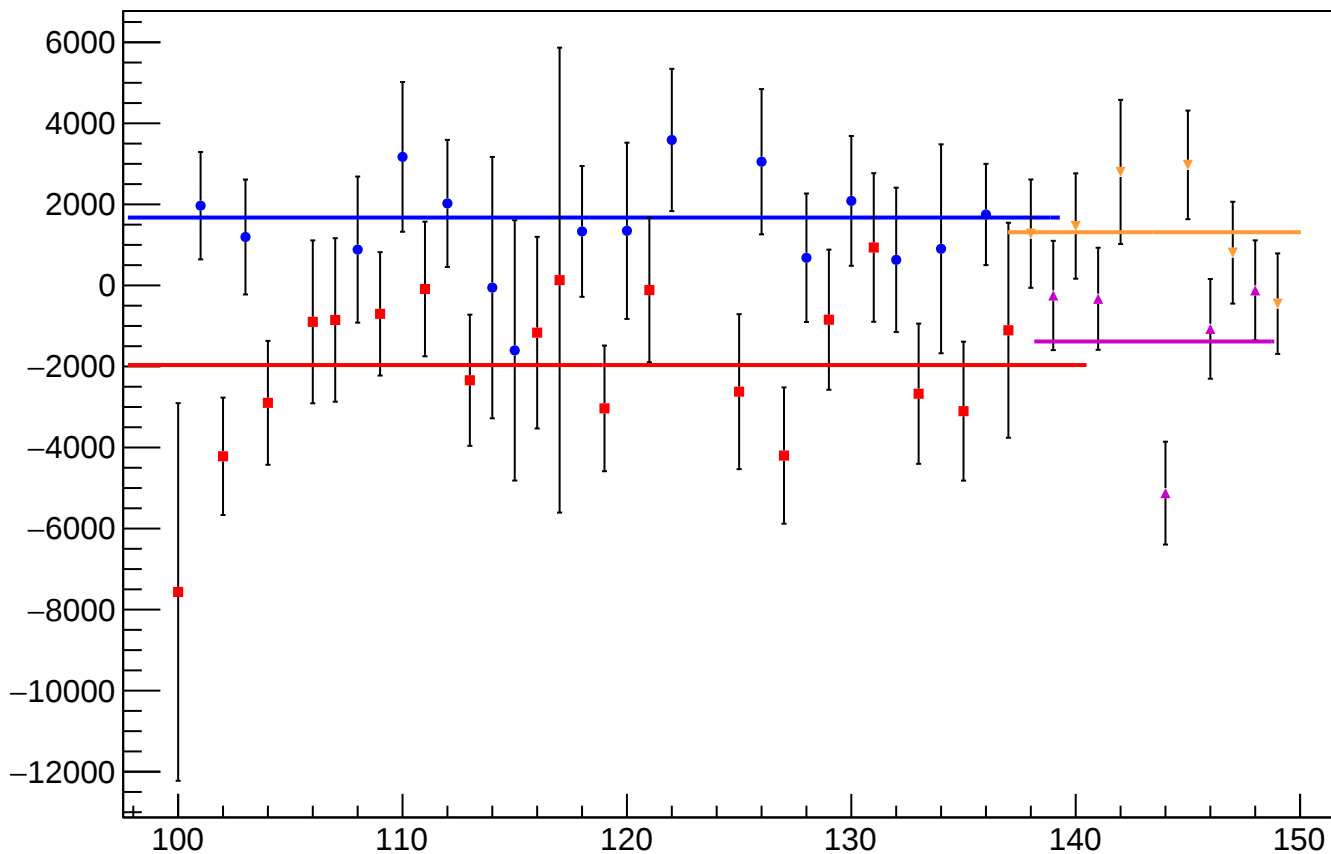
Right Out: 79.371+/-0.021 χ^2/NDF : 388057.0/18

Left In: 85.902+/-0.030 χ^2/NDF : 82.4/4

79.357+/-0.017 χ^2/NDF : 479309.1/21

81.567+/-0.017 χ^2/NDF : 419275.1/23

reg_asym_usl_mean vs Slug



Right In: 1674.993 ± 430.597 $\chi^2/\text{NDF}: 5.1/15$

Left Out: 1312.674 ± 549.876 $\chi^2/\text{NDF}: 4.4/5$

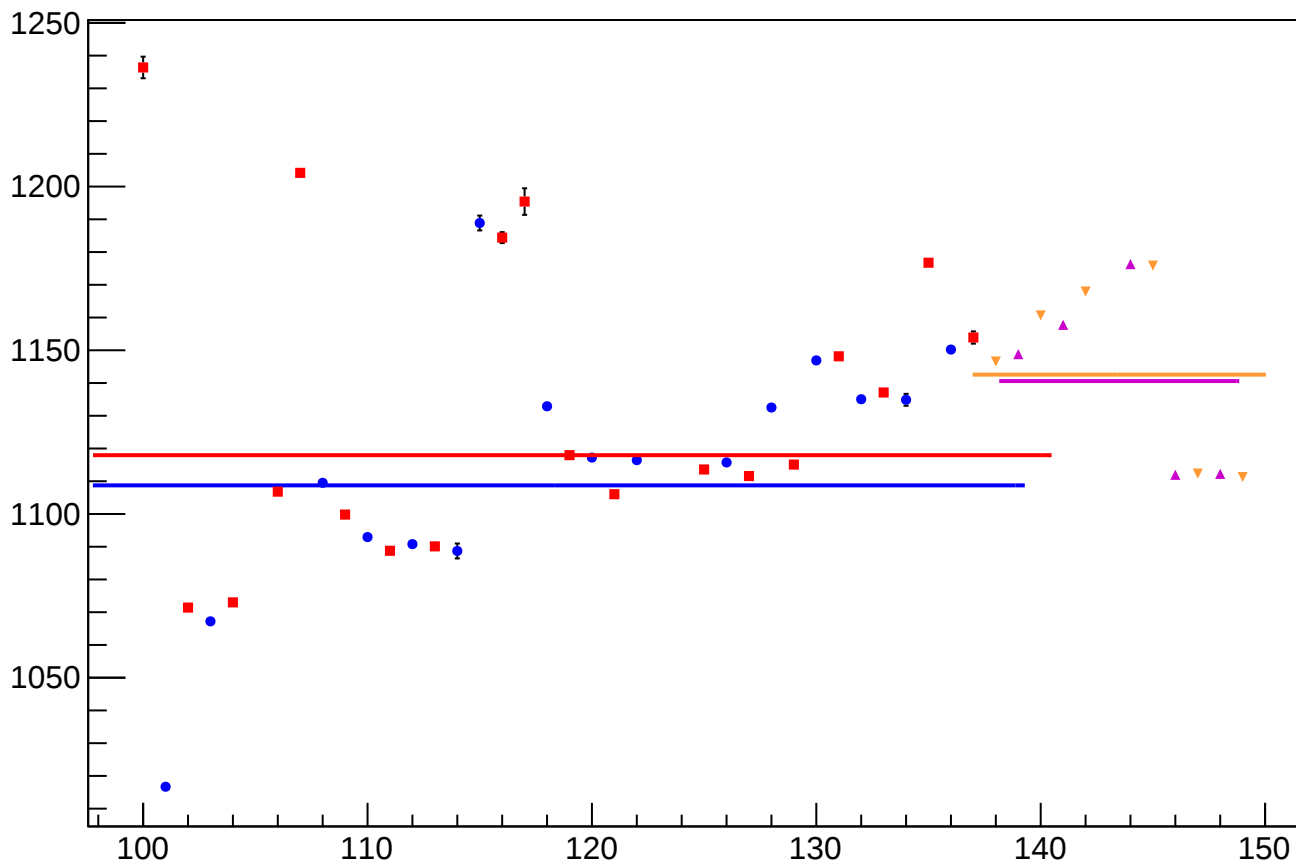
Right Out: -1964.936 ± 421.265 $\chi^2/\text{NDF}: 14.2/18$

Left In: -1383.547 ± 566.366 $\chi^2/\text{NDF}: 11.2/4$

1537.269 ± 339.020 $\chi^2/\text{NDF}: 9.8/21$

-1757.854 ± 338.014 $\chi^2/\text{NDF}: 26.0/23$

reg_asym_usl_rms vs Slug



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

Left Out: 1142.566 ± 0.389 χ^2/NDF : 4475.8/5

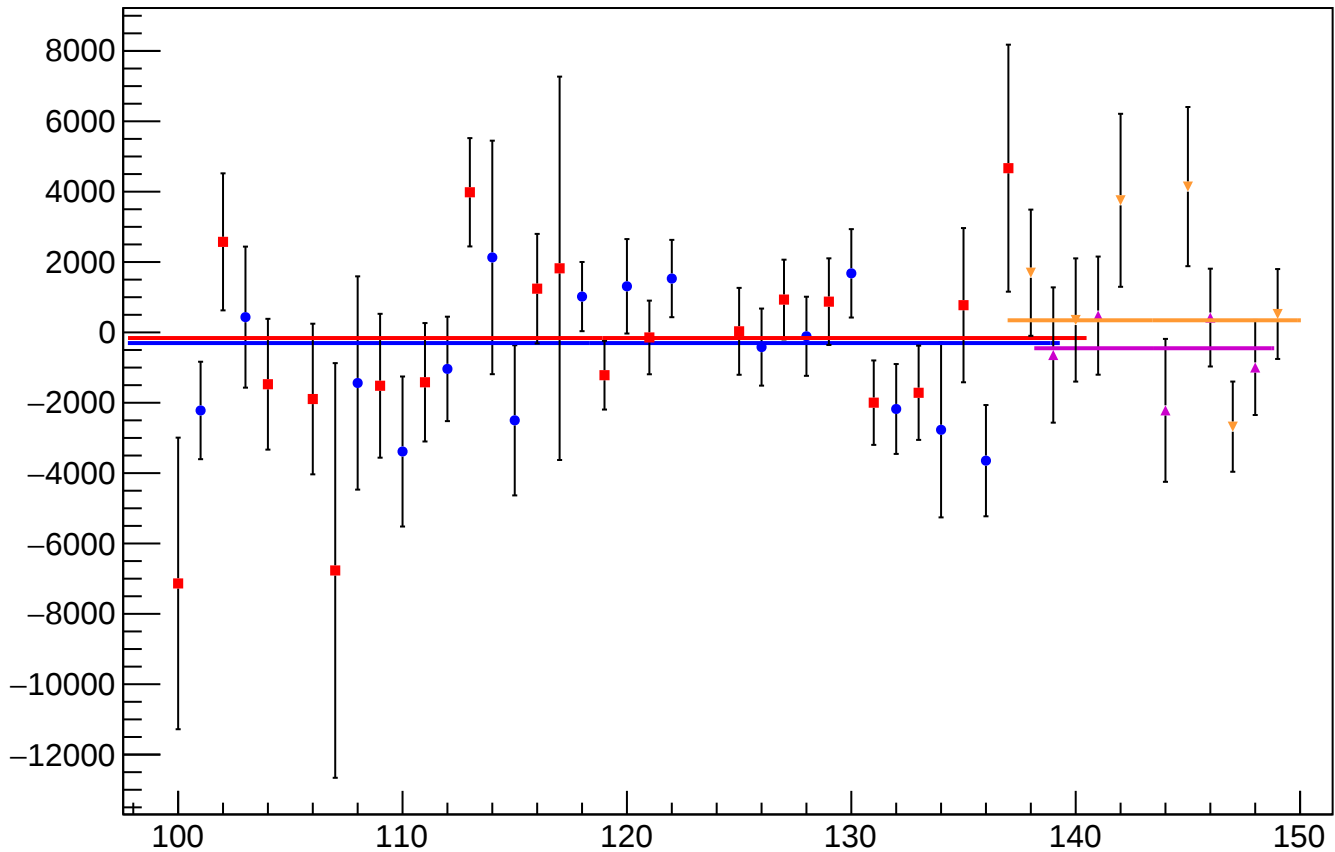
Right Out: 1117.959 ± 0.298 χ^2/NDF : 15881.8/18

Left In: 1140.601 ± 0.400 χ^2/NDF : 4167.3/4

1121.598 ± 0.240 χ^2/NDF : 27248.1/21

1126.024 ± 0.239 χ^2/NDF : 22106.9/23

asym_usl_correction_mean vs Slug



Right In: -303.335 ± 360.068 $\chi^2/\text{NDF}: 22.3/15$

Left Out: 343.986 ± 671.378 $\chi^2/\text{NDF}: 10.9/5$

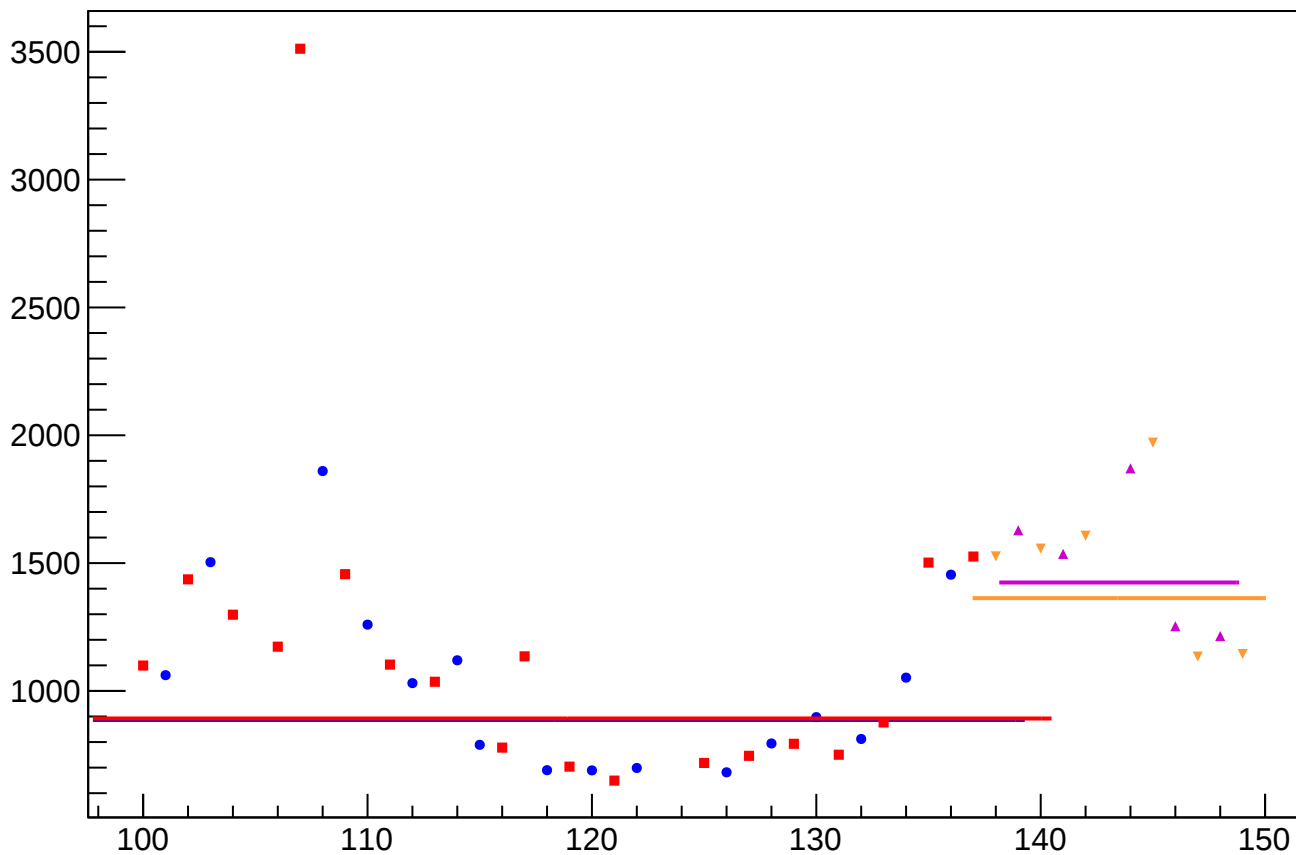
Right Out: -160.376 ± 355.478 $\chi^2/\text{NDF}: 25.0/18$

Left In: -450.412 ± 719.169 $\chi^2/\text{NDF}: 1.6/4$

-158.737 ± 317.314 $\chi^2/\text{NDF}: 33.9/21$

-217.324 ± 318.674 $\chi^2/\text{NDF}: 26.8/23$

asym_usl_correction_rms vs Slug



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

Left Out: 1363.012+/-0.475 χ^2/NDF : 327456.3/5

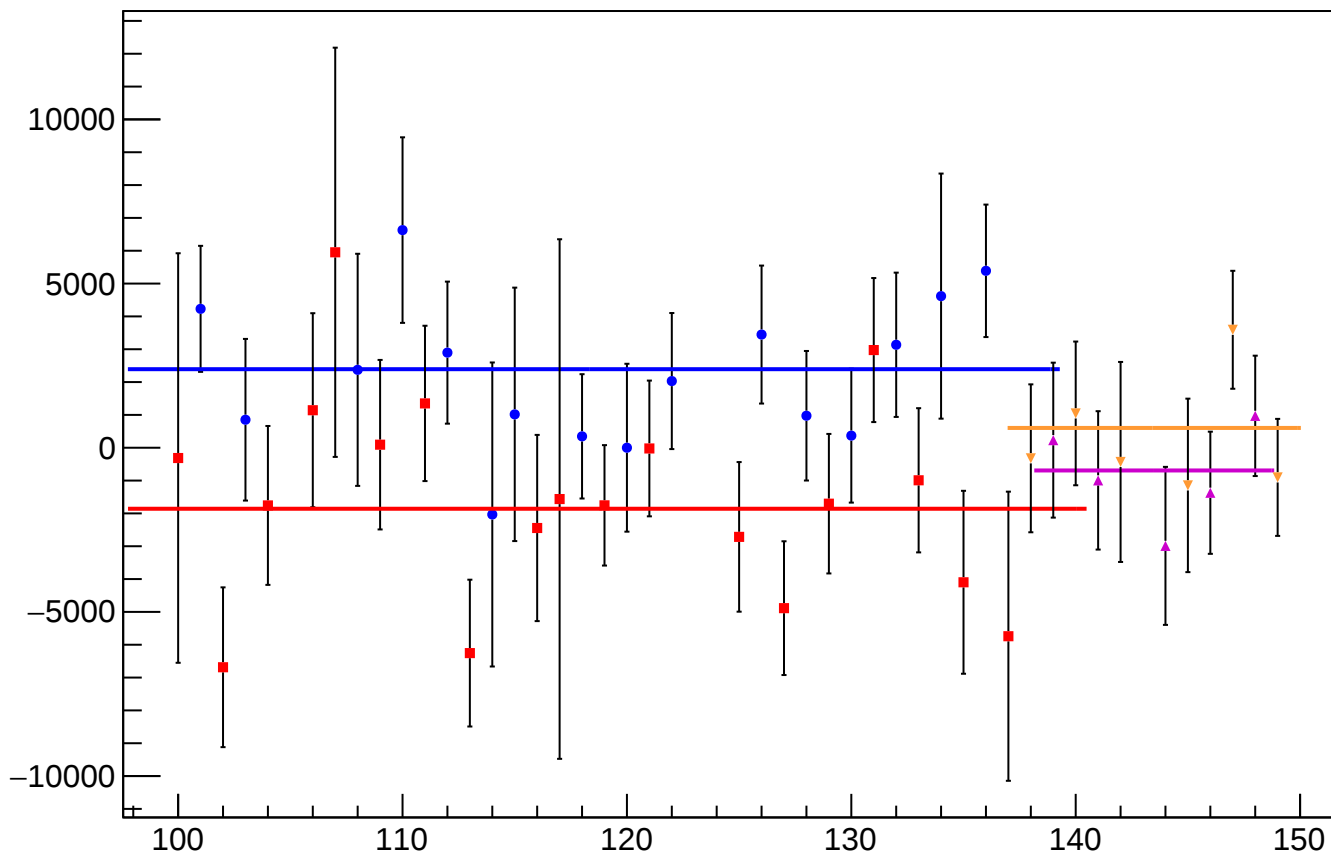
Right Out: 892.236+/-0.251 χ^2/NDF : 1418185.6/18

Left In: 1424.133+/-0.509 χ^2/NDF : 206323.9/4

993.091+/-0.224 χ^2/NDF : 2170134.3/21

996.674+/-0.225 χ^2/NDF : 2503715.5/23

asym_usl_mean vs Slug



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

Left Out: 602.994 ± 883.293 χ^2/NDF : 4.2/5

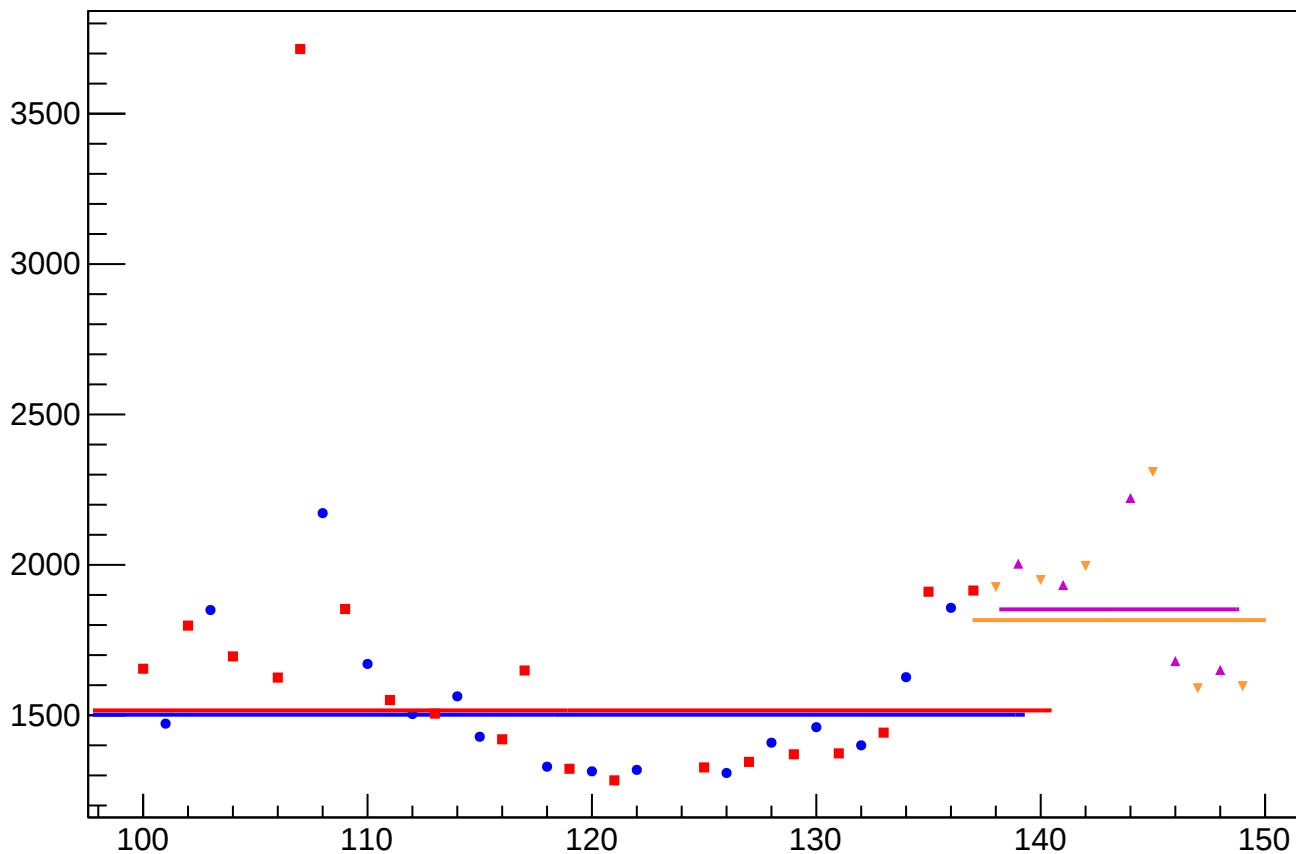
Right Out: -1858.263 ± 581.542 χ^2/NDF : 22.5/18

Left In: -692.226 ± 926.875 χ^2/NDF : 2.0/4

1841.636 ± 490.037 χ^2/NDF : 18.2/21

-1528.899 ± 492.610 χ^2/NDF : 25.7/23

asym_usl_rms vs Slug



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

Left Out: 1816.286+/-0.625 χ^2/NDF : 150747.7/5

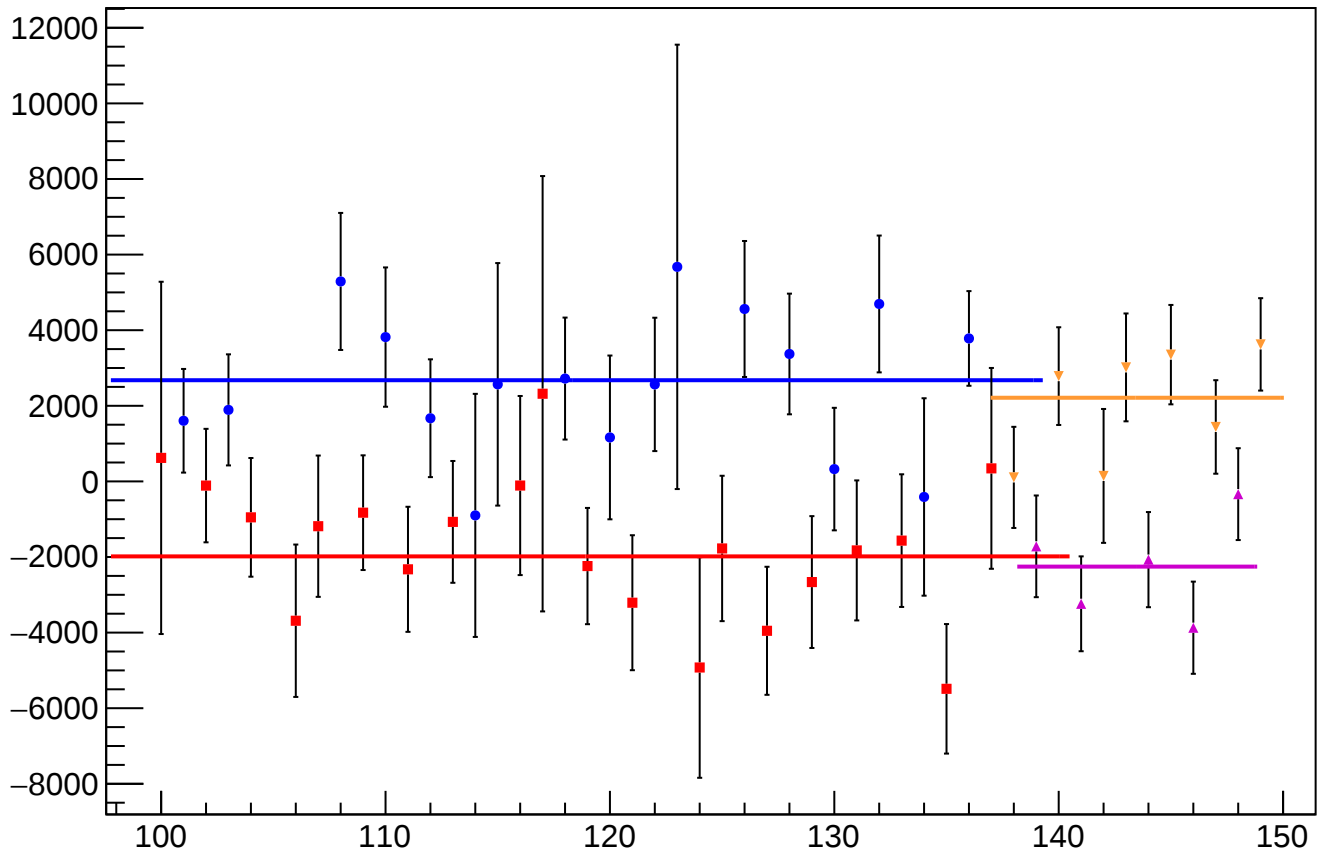
Right Out: 1516.127+/-0.411 χ^2/NDF : 480325.9/18

Left In: 1852.010+/-0.655 χ^2/NDF : 99821.5/4

1598.689+/-0.347 χ^2/NDF : 580639.6/21

1611.002+/-0.348 χ^2/NDF : 768602.3/23

reg_asym_usr_mean vs Slug



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

Left Out: 2213.029 $\pm$ 508.402 χ^2 /NDF: 6.8/6

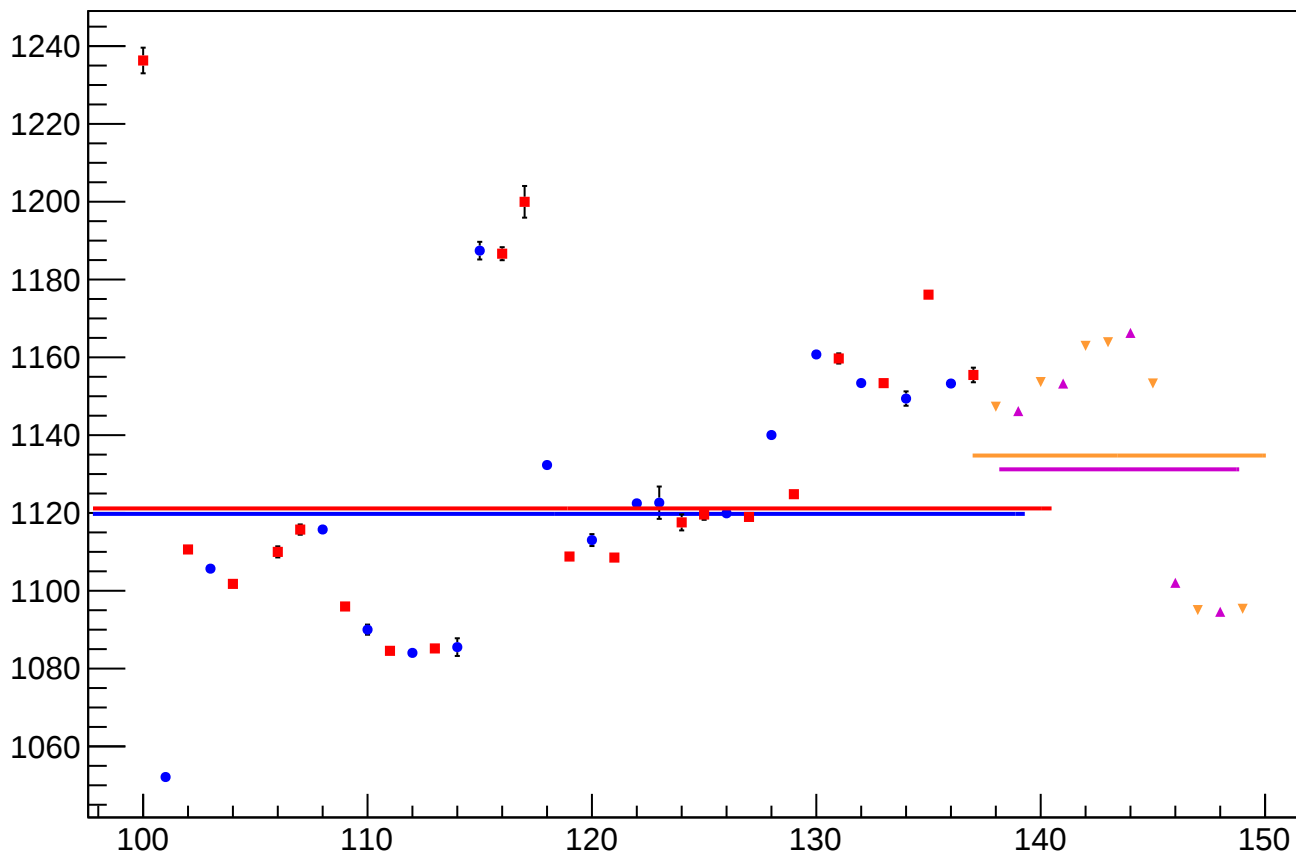
Right Out: -1983.779 $\pm$ 418.059 χ^2 /NDF: 13.4/19

Left In: -2254.199 $\pm$ 561.745 χ^2 /NDF: 5.0/4

2481.452 $\pm$ 329.901 χ^2 /NDF: 19.9/23

-2080.167 $\pm$ 335.376 χ^2 /NDF: 18.6/24

reg_asym_usr_rms vs Slug



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

Left Out: 1134.761 $\pm$ 0.359 χ^2 /NDF: 6480.0/6

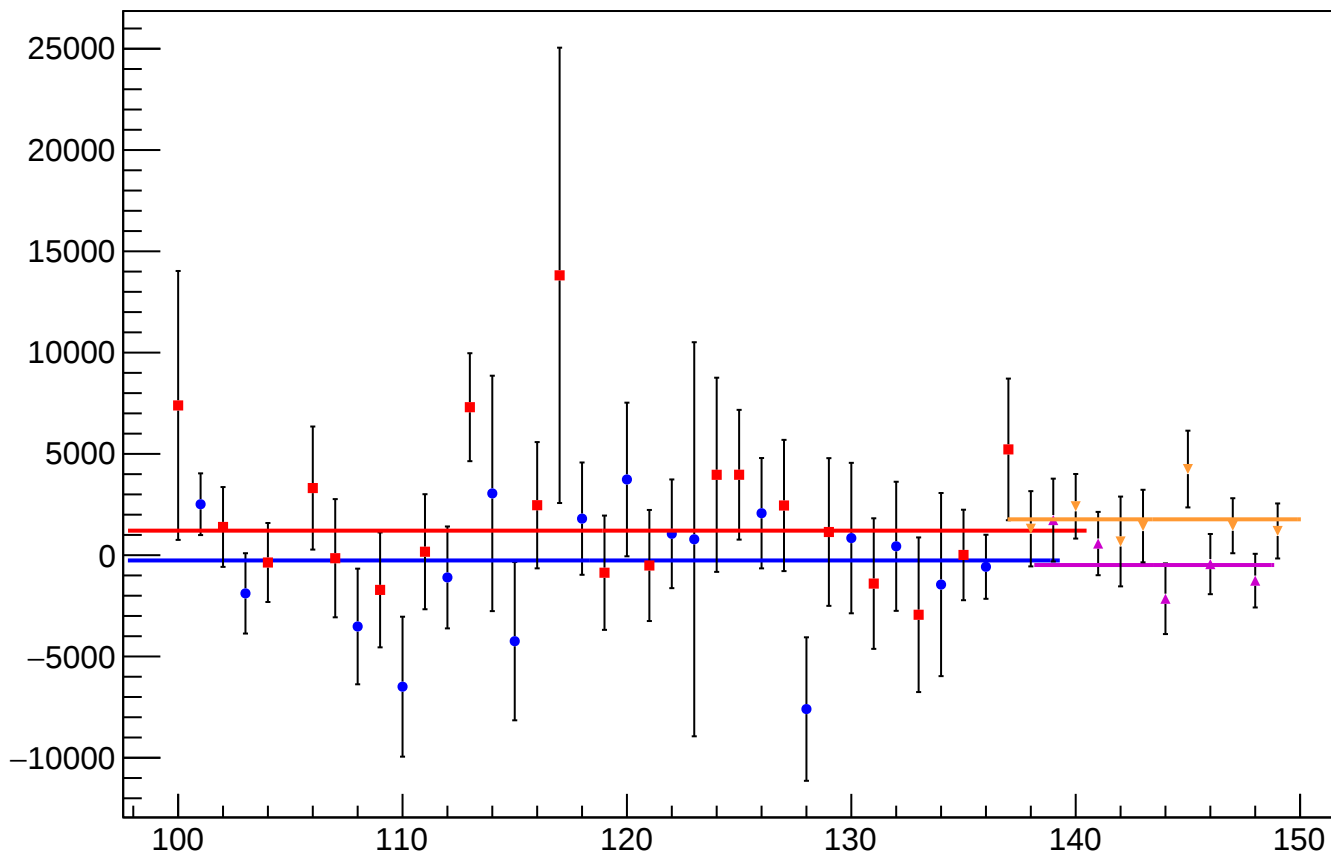
Right Out: 1121.164 $\pm$ 0.296 χ^2 /NDF: 10310.8/19

Left In: 1131.212 $\pm$ 0.397 χ^2 /NDF: 5378.6/4

1126.078 $\pm$ 0.233 χ^2 /NDF: 19364.6/23

1124.745 $\pm$ 0.237 χ^2 /NDF: 16101.2/24

asym_usr_correction_mean vs Slug



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

Left Out: 1770.555 ± 624.685 χ^2/NDF : 2.5/6

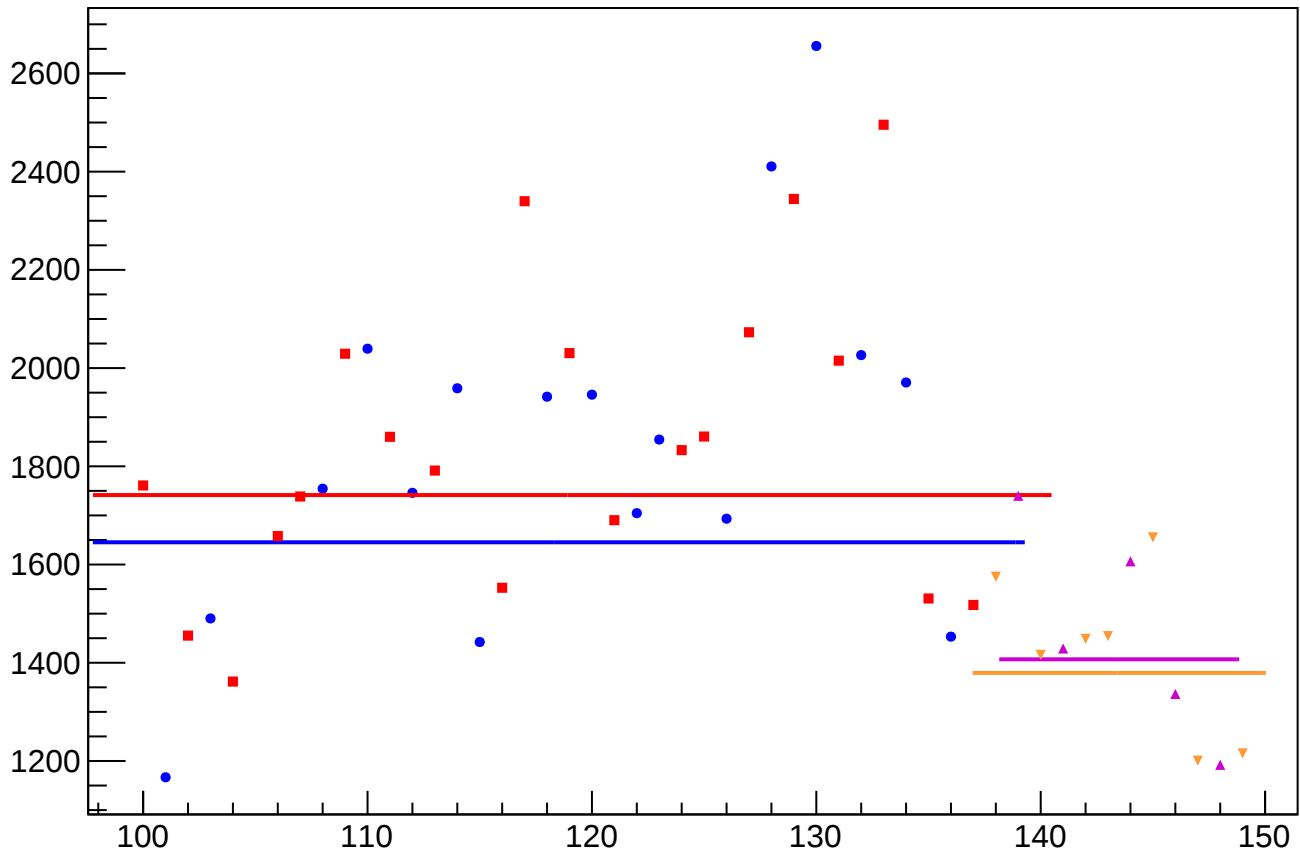
Right Out: 1211.378 ± 661.281 χ^2/NDF : 15.7/19

Left In: -485.639 ± 707.006 χ^2/NDF : 2.9/4

803.864 ± 452.147 χ^2/NDF : 24.7/23

419.517 ± 482.952 χ^2/NDF : 21.6/24

asym_usr_correction_rms vs Slug



Right In: 1645.307 ± 0.463 $\chi^2/\text{NDF}: 600915.2/16$

Left Out: 1379.319 ± 0.442 $\chi^2/\text{NDF}: 134962.7/6$

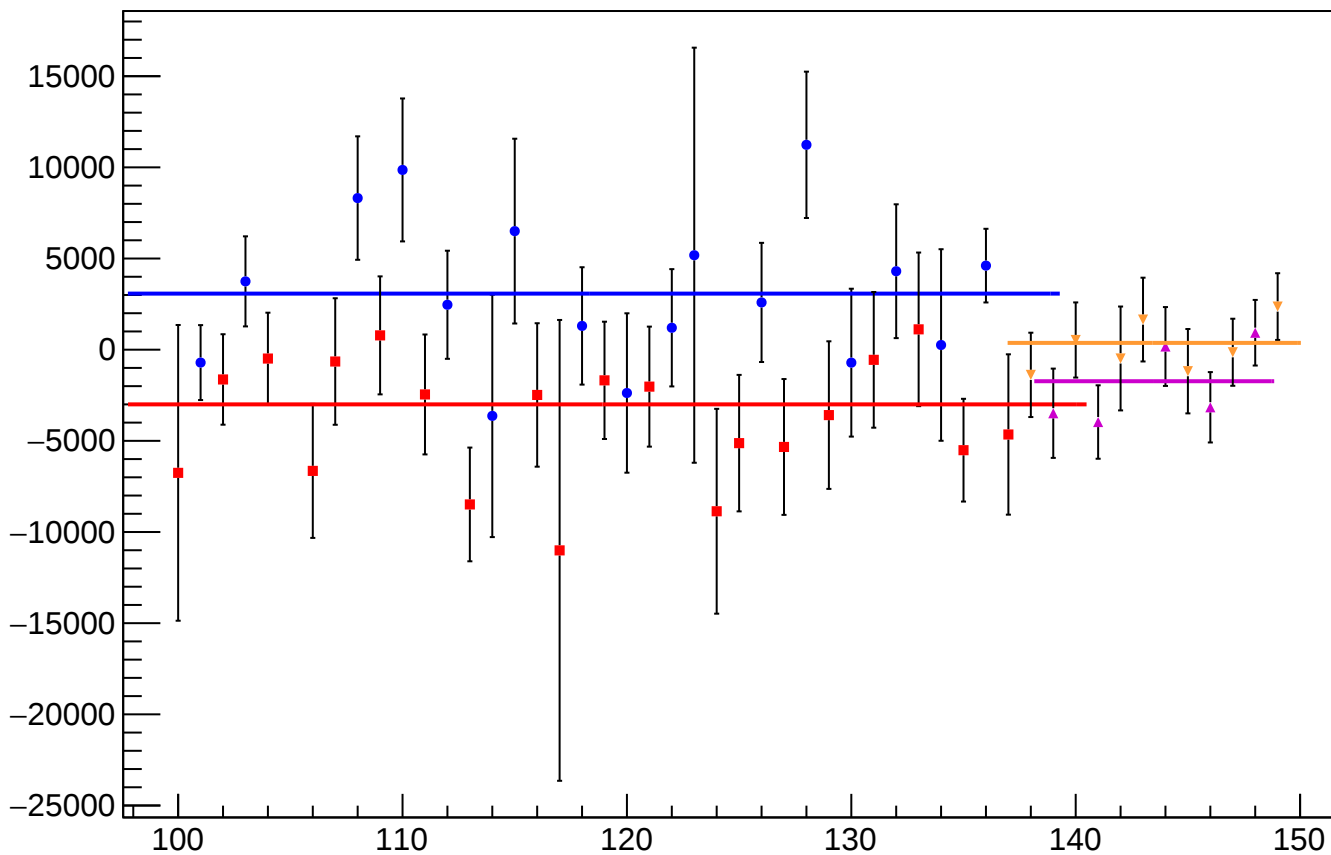
Right Out: 1741.460 ± 0.468 $\chi^2/\text{NDF}: 376702.2/19$

Left In: 1406.993 ± 0.500 $\chi^2/\text{NDF}: 136759.0/4$

1505.959 ± 0.320 $\chi^2/\text{NDF}: 908518.2/23$

1585.392 ± 0.341 $\chi^2/\text{NDF}: 752202.6/24$

asym_usr_mean vs Slug



Right In: 3075.401+/-802.249 χ^2/NDF : 18.6/16

Left Out: 372.515+/-812.062 χ^2/NDF : 2.7/6

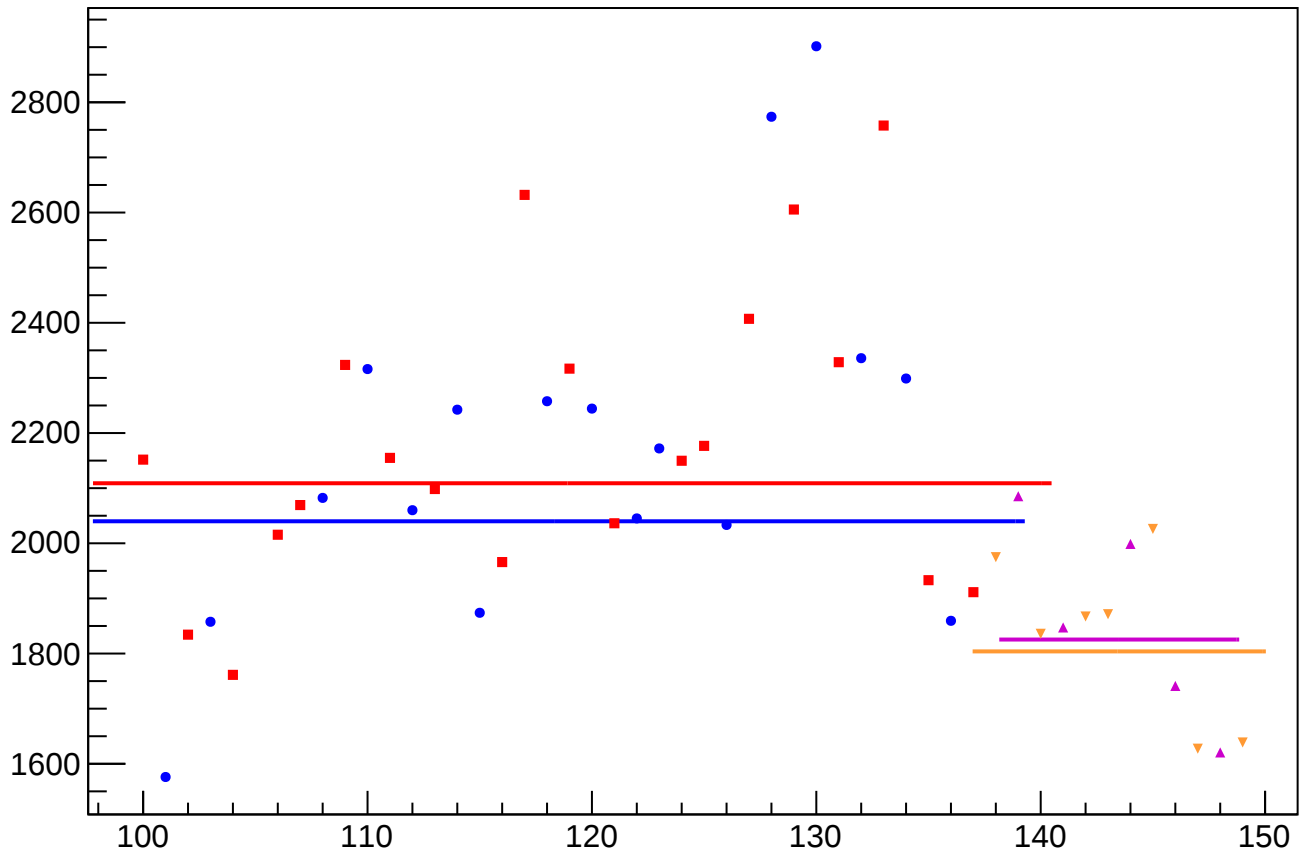
Right Out: -2999.277+/-794.066 χ^2/NDF : 12.3/19

Left In: -1729.572+/-911.140 χ^2/NDF : 5.3/4

1740.388+/-570.714 χ^2/NDF : 26.9/23

-2451.189+/-598.630 χ^2/NDF : 18.6/24

asym_usr_rms vs Slug



Right In: 2039.942 $\pm$ 0.567 χ^2 /NDF: 331984.0/16

Left Out: 1803.892 $\pm$ 0.574 χ^2 /NDF: 67296.2/6

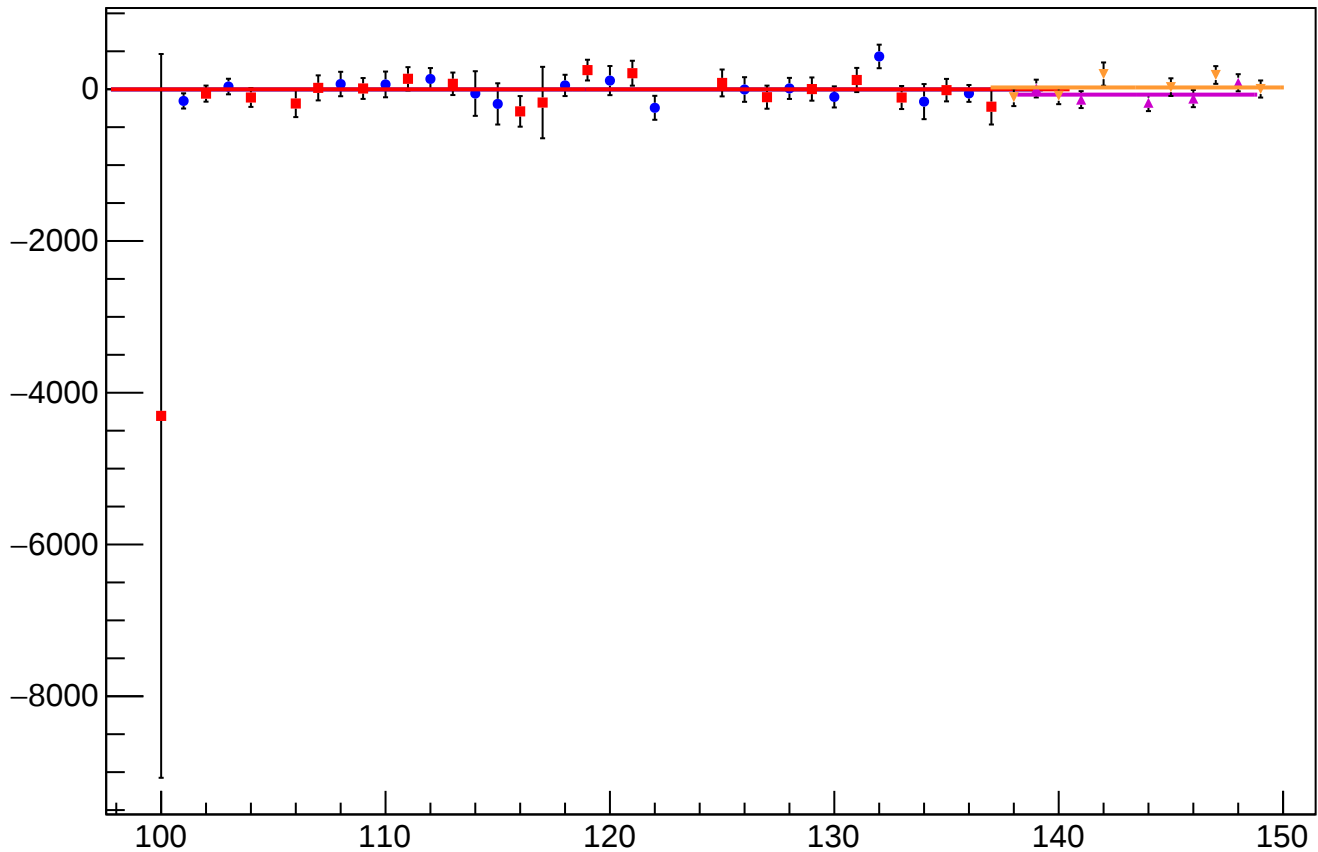
Right Out: 2108.906 $\pm$ 0.561 χ^2 /NDF: 198889.3/19

Left In: 1825.399 $\pm$ 0.644 χ^2 /NDF: 65370.2/4

1923.352 $\pm$ 0.404 χ^2 /NDF: 484802.2/23

1986.526 $\pm$ 0.423 χ^2 /NDF: 374309.8/24

reg_asym_dsl_mean vs Slug



Right In: -3.283 ± 36.714 $\chi^2/\text{NDF}: 16.1/15$

Left Out: 23.330 ± 48.679 $\chi^2/\text{NDF}: 5.5/5$

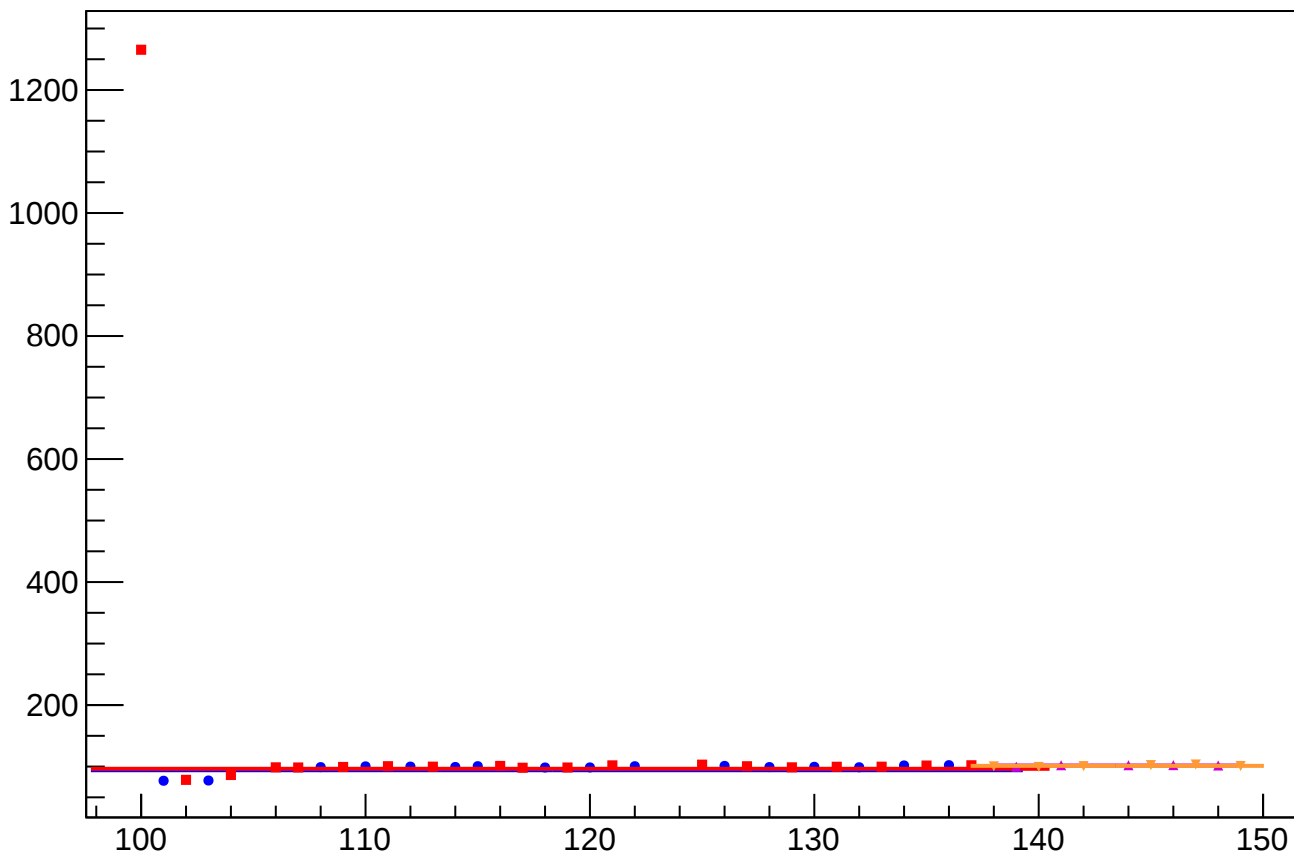
Right Out: -1.545 ± 36.588 $\chi^2/\text{NDF}: 14.1/18$

Left In: -71.324 ± 50.500 $\chi^2/\text{NDF}: 3.9/4$

6.367 ± 29.312 $\chi^2/\text{NDF}: 21.8/21$

-25.565 ± 29.629 $\chi^2/\text{NDF}: 19.2/23$

reg_asym_dsl_rms vs Slug



Right In: 94.068 $\pm$ 0.026 χ^2 /NDF: 152285.6/15

Left Out: 101.165 $\pm$ 0.034 χ^2 /NDF: 1549.5/5

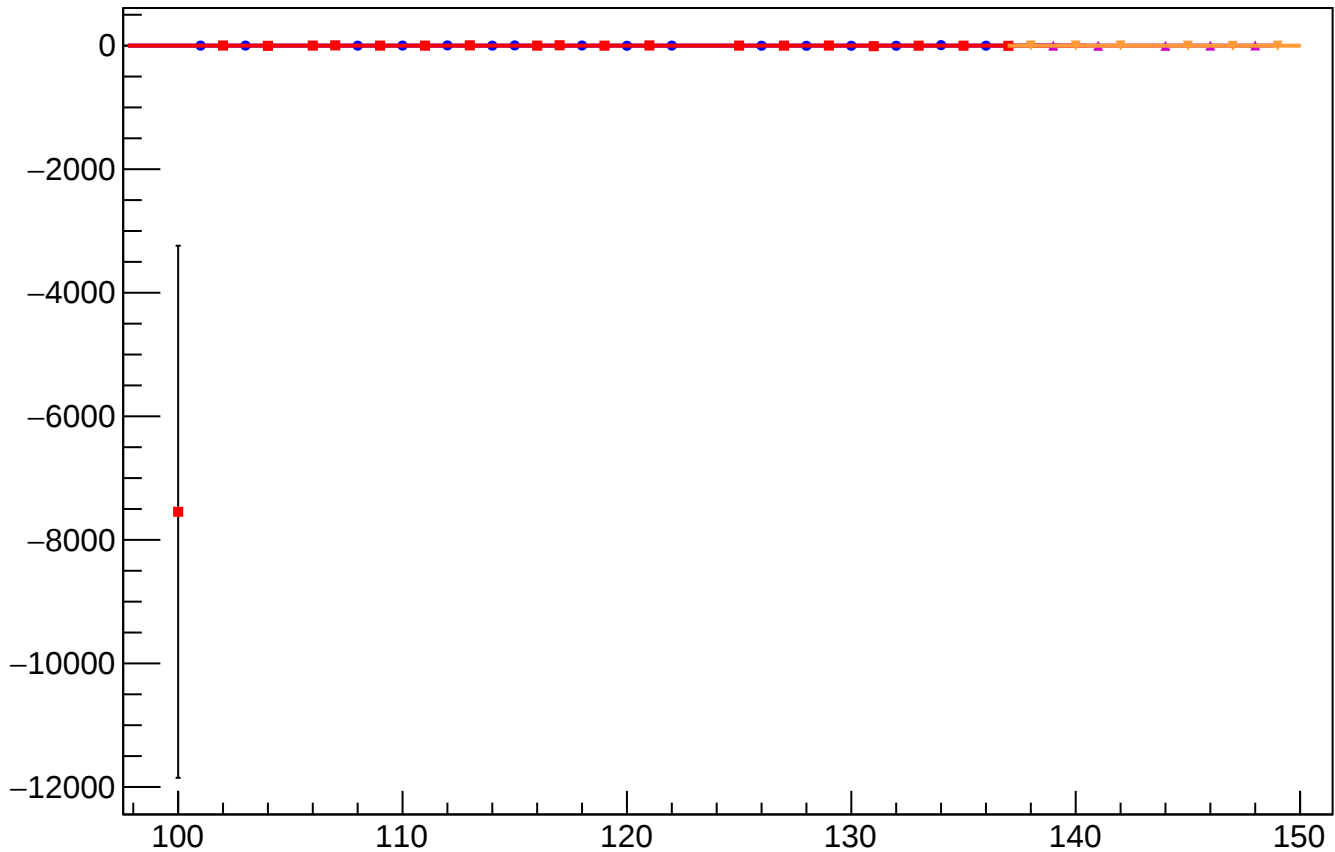
Right Out: 96.383 $\pm$ 0.026 χ^2 /NDF: 209255.3/18

Left In: 101.722 $\pm$ 0.036 χ^2 /NDF: 673.3/4

96.642 $\pm$ 0.021 χ^2 /NDF: 180932.4/21

98.221 $\pm$ 0.021 χ^2 /NDF: 224592.2/23

asym_dsl_correction_mean vs Slug



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

Left Out: -0.682+/-0.848 χ^2/NDF : 6.2/5

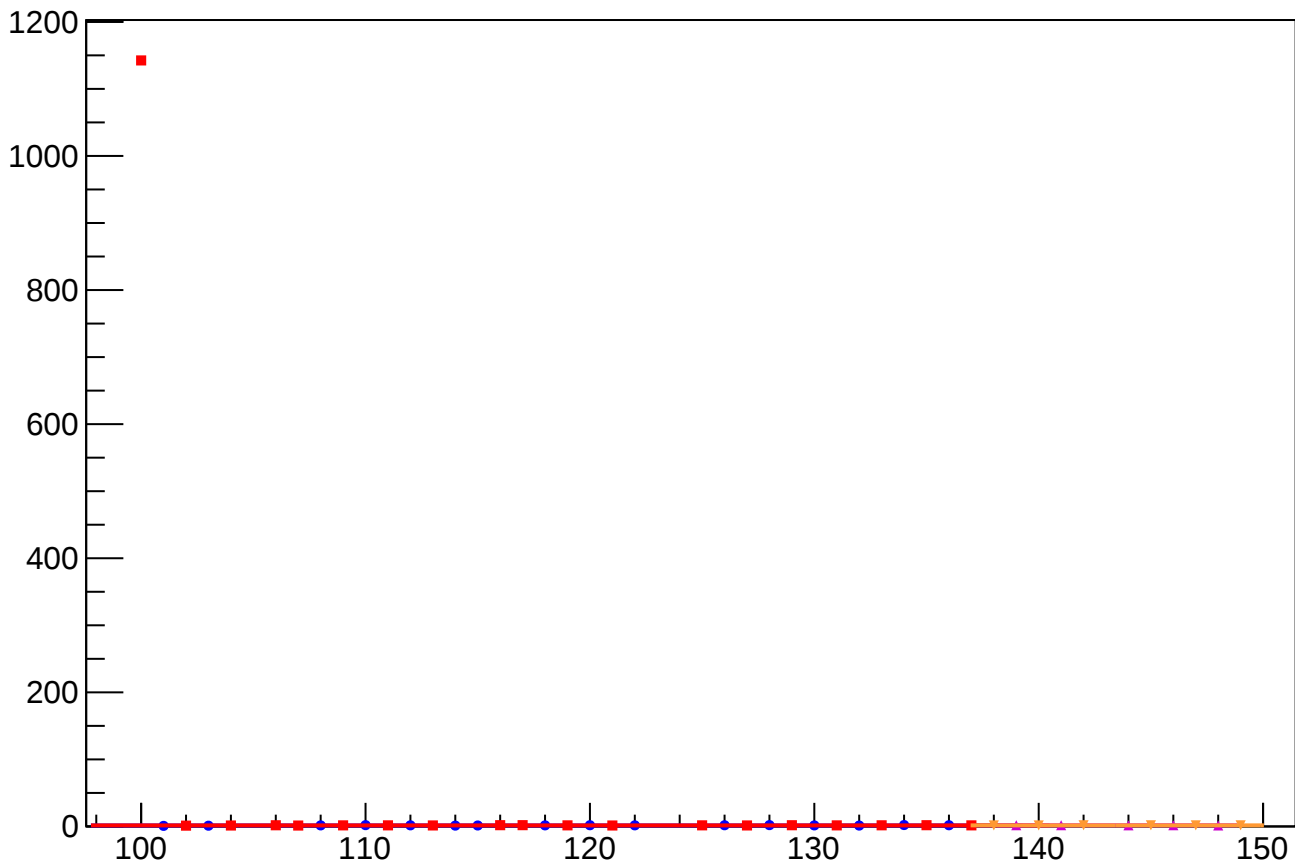
Right Out: 0.336+/-0.641 χ^2/NDF : 23.1/18

Left In: 0.747+/-0.922 χ^2/NDF : 5.6/4

0.044+/-0.498 χ^2/NDF : 17.1/21

0.470+/-0.526 χ^2/NDF : 28.9/23

asym_dsl_correction_rms vs Slug



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

Left Out: 1.627+/-0.001 χ^2/NDF : 18527.9/5

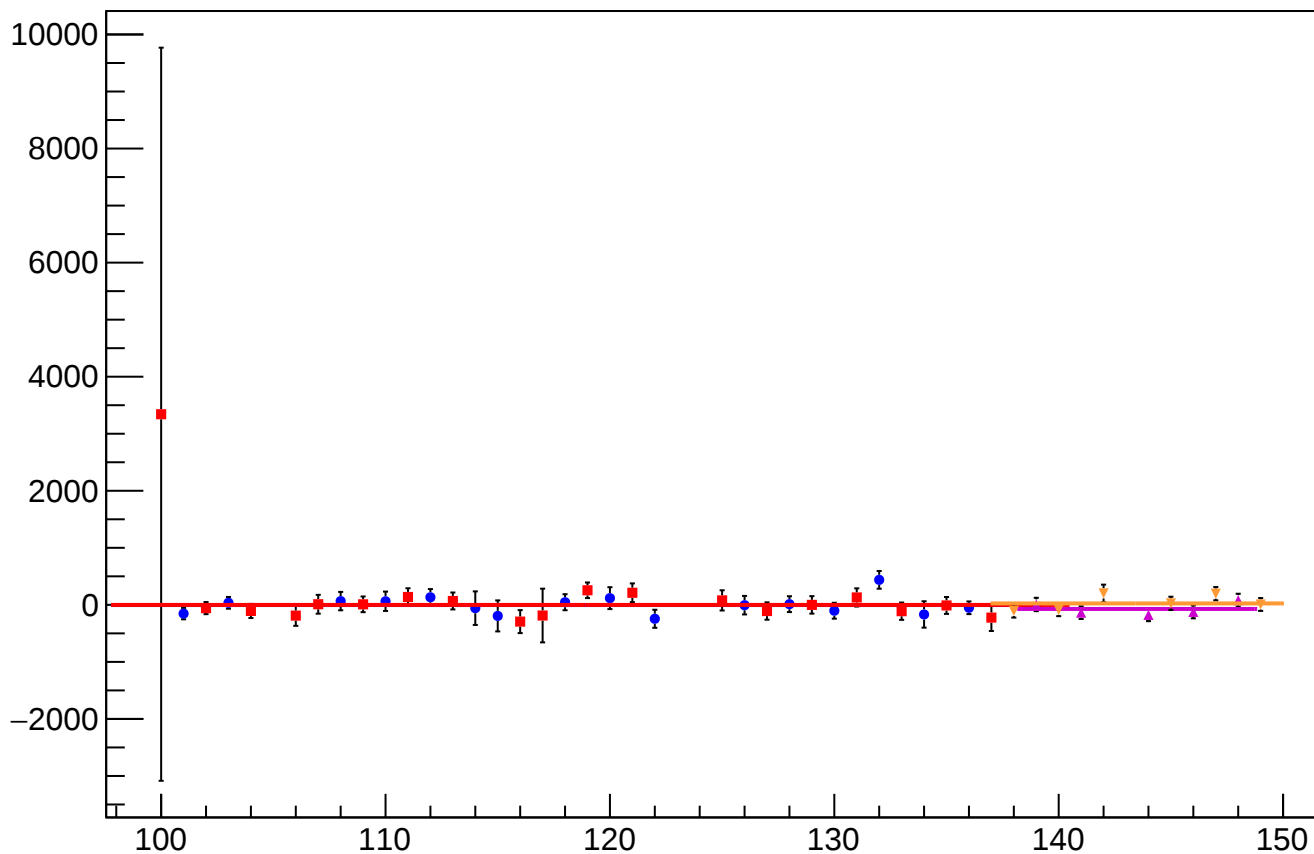
Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

Left In: 1.729+/-0.001 χ^2/NDF : 51923.6/4

1.491+/-0.000 χ^2/NDF : 827974.4/21

1.613+/-0.000 χ^2/NDF : 417180.3/23

asym_dsl_mean vs Slug



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

Left Out: 24.975 ± 48.691 χ^2/NDF : 5.8/5

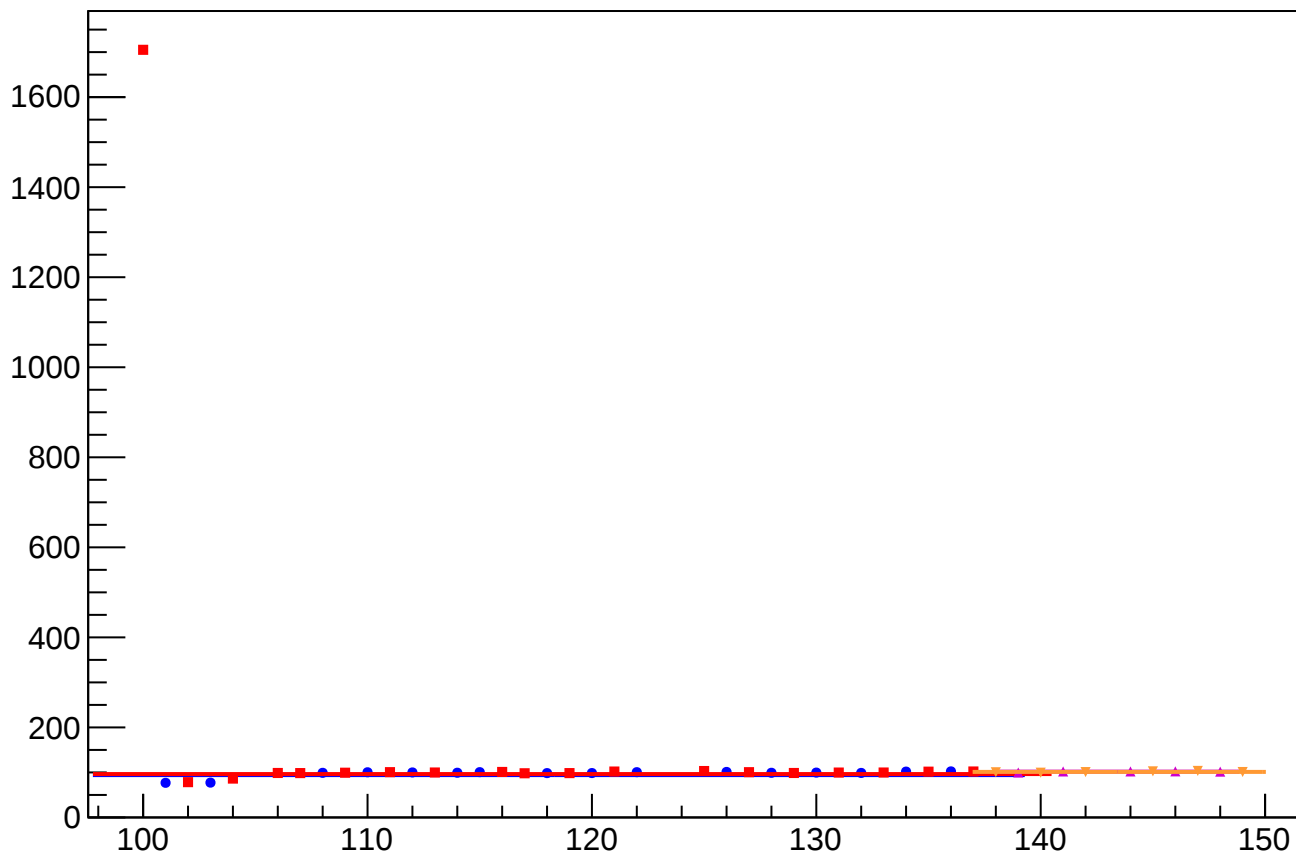
Right Out: -1.300 ± 36.598 χ^2/NDF : 13.7/18

Left In: -71.896 ± 50.513 χ^2/NDF : 3.7/4

7.080 ± 29.319 χ^2/NDF : 22.3/21

-25.601 ± 29.637 χ^2/NDF : 18.7/23

asym_dsl_rms vs Slug



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

Left Out: 101.192+/-0.034 χ^2/NDF : 1548.2/5

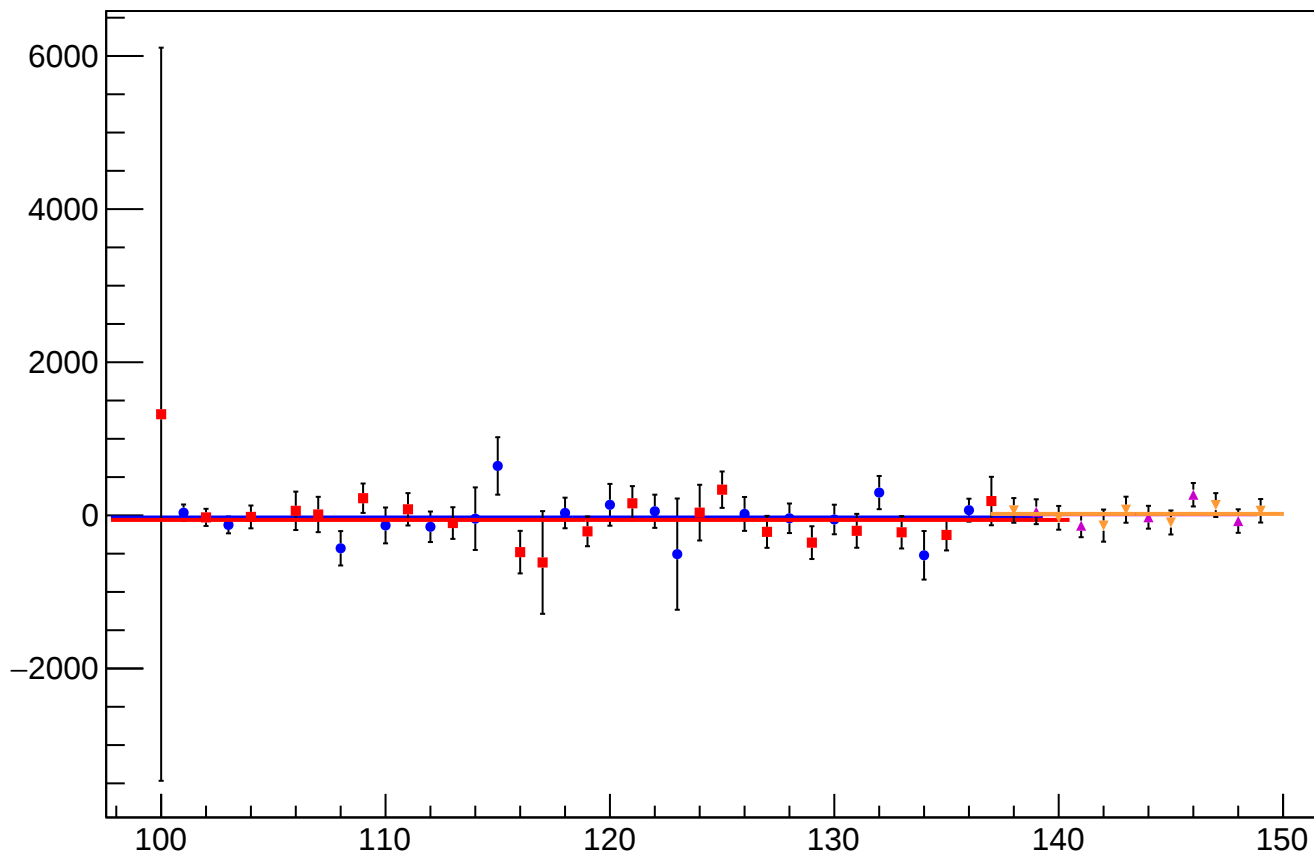
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

Left In: 101.750+/-0.036 χ^2/NDF : 673.1/4

96.667+/-0.021 χ^2/NDF : 180952.6/21

98.236+/-0.021 χ^2/NDF : 229821.0/23

reg_asym_dsr_mean vs Slug



Right In: -27.840 ± 46.777 $\chi^2/\text{NDF}: 14.3/16$

Left Out: 19.129 ± 61.838 $\chi^2/\text{NDF}: 2.0/6$

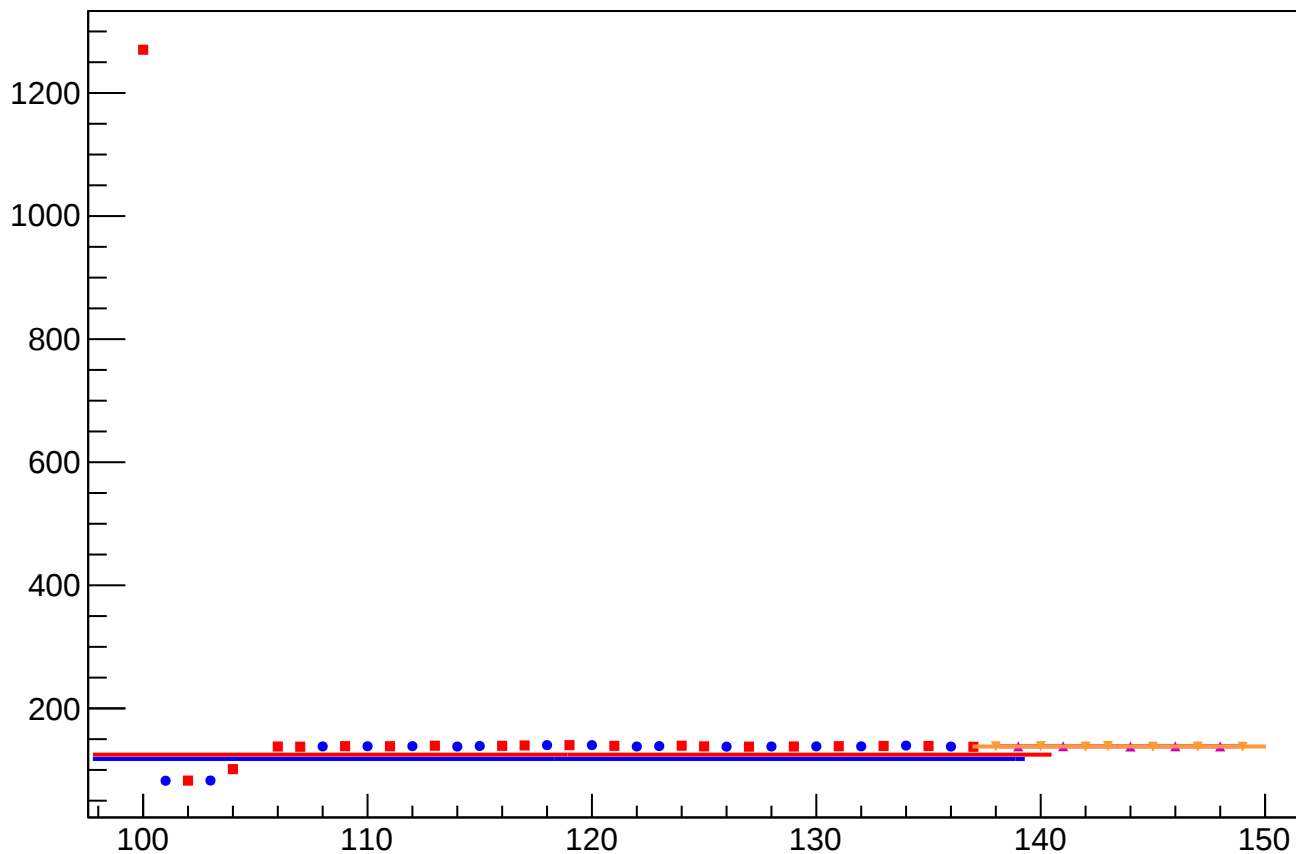
Right Out: -59.211 ± 47.588 $\chi^2/\text{NDF}: 15.6/19$

Left In: 14.833 ± 68.675 $\chi^2/\text{NDF}: 4.2/4$

-10.746 ± 37.306 $\chi^2/\text{NDF}: 16.6/23$

-35.191 ± 39.115 $\chi^2/\text{NDF}: 20.6/24$

reg_asym_dsr_rms vs Slug



Right In: 117.815 ± 0.033 χ^2/NDF : 666581.7/16

Left Out: 138.069 ± 0.044 χ^2/NDF : 92.2/6

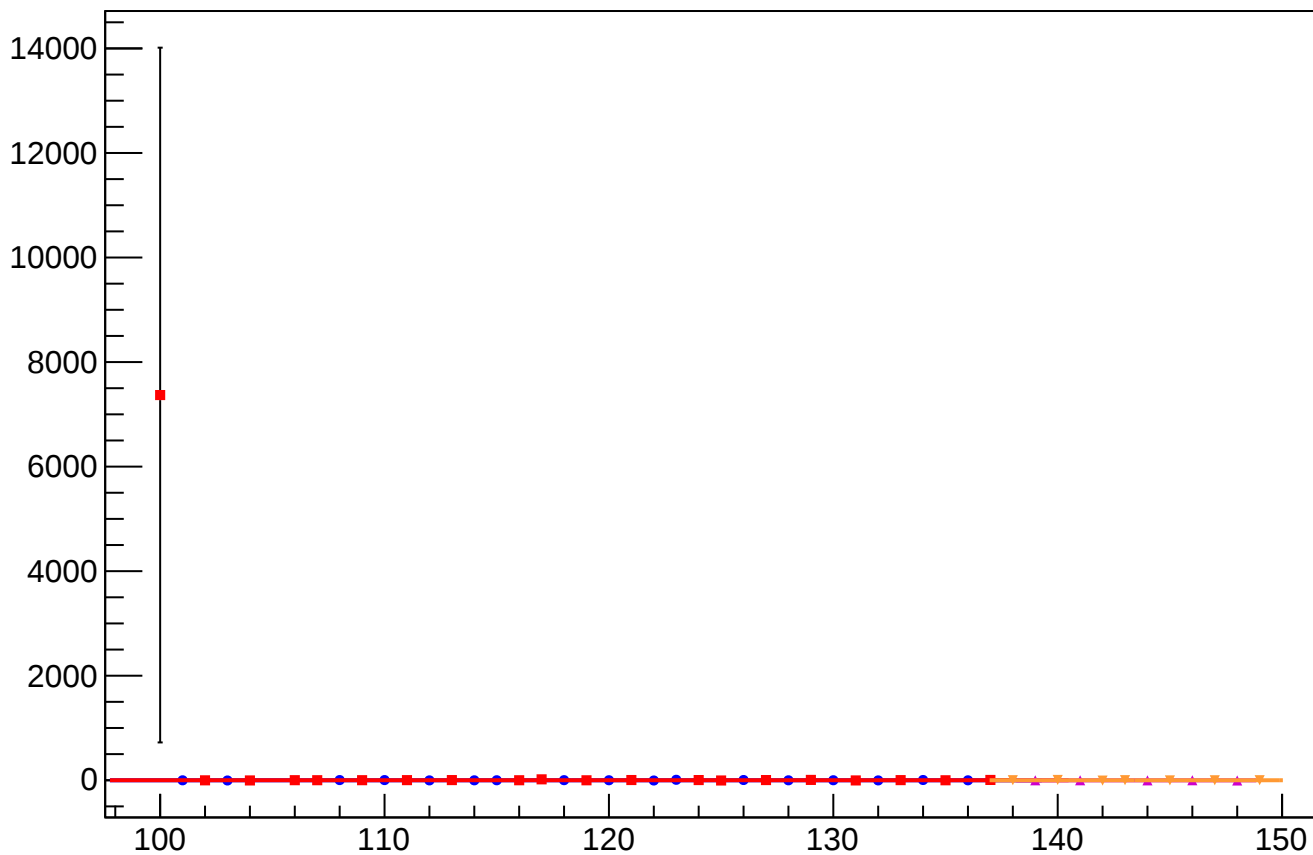
Right Out: 124.839 ± 0.034 χ^2/NDF : 570766.0/19

Left In: 138.332 ± 0.049 χ^2/NDF : 10.1/4

125.186 ± 0.026 χ^2/NDF : 803136.9/23

129.216 ± 0.028 χ^2/NDF : 622937.5/24

asym_dsr_correction_mean vs Slug



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

Left Out: 0.052 ± 1.038 χ^2/NDF : 7.8/6

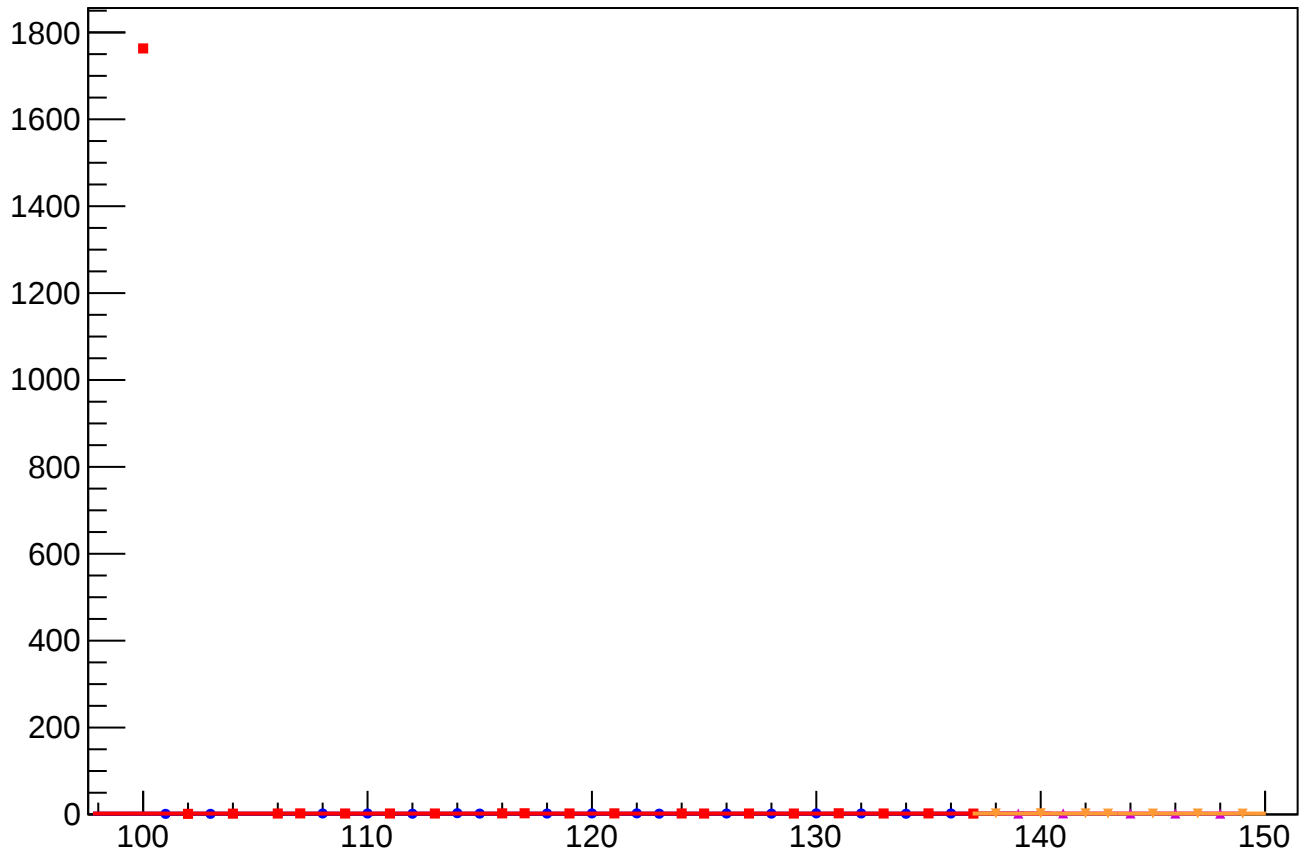
Right Out: 0.719 ± 0.849 χ^2/NDF : 15.3/19

Left In: -1.547 ± 1.180 χ^2/NDF : 2.1/4

-0.413 ± 0.639 χ^2/NDF : 20.8/23

-0.054 ± 0.689 χ^2/NDF : 19.9/24

asym_dsr_correction_rms vs Slug



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

Left Out: 2.105 $\pm$ 0.001 χ^2 /NDF:133680.8/6

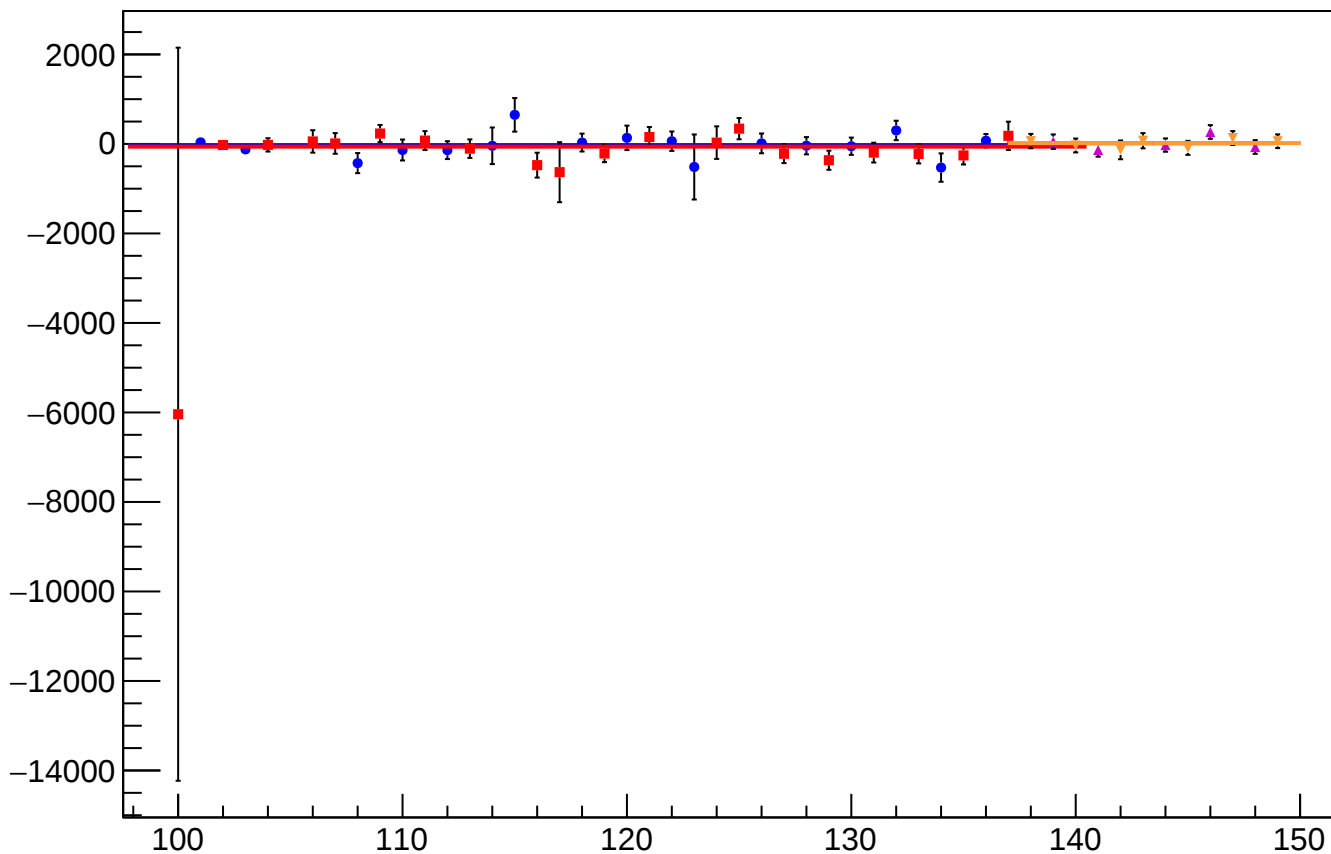
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

Left In: 2.164 $\pm$ 0.001 χ^2 /NDF:53005.9/4

1.958 $\pm$ 0.000 χ^2 /NDF: 690777.3/23

2.101 $\pm$ 0.000 χ^2 /NDF: 592049.9/24

asym_dsr_mean vs Slug



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

Left Out: 18.700 ± 61.855 χ^2/NDF : 1.9/6

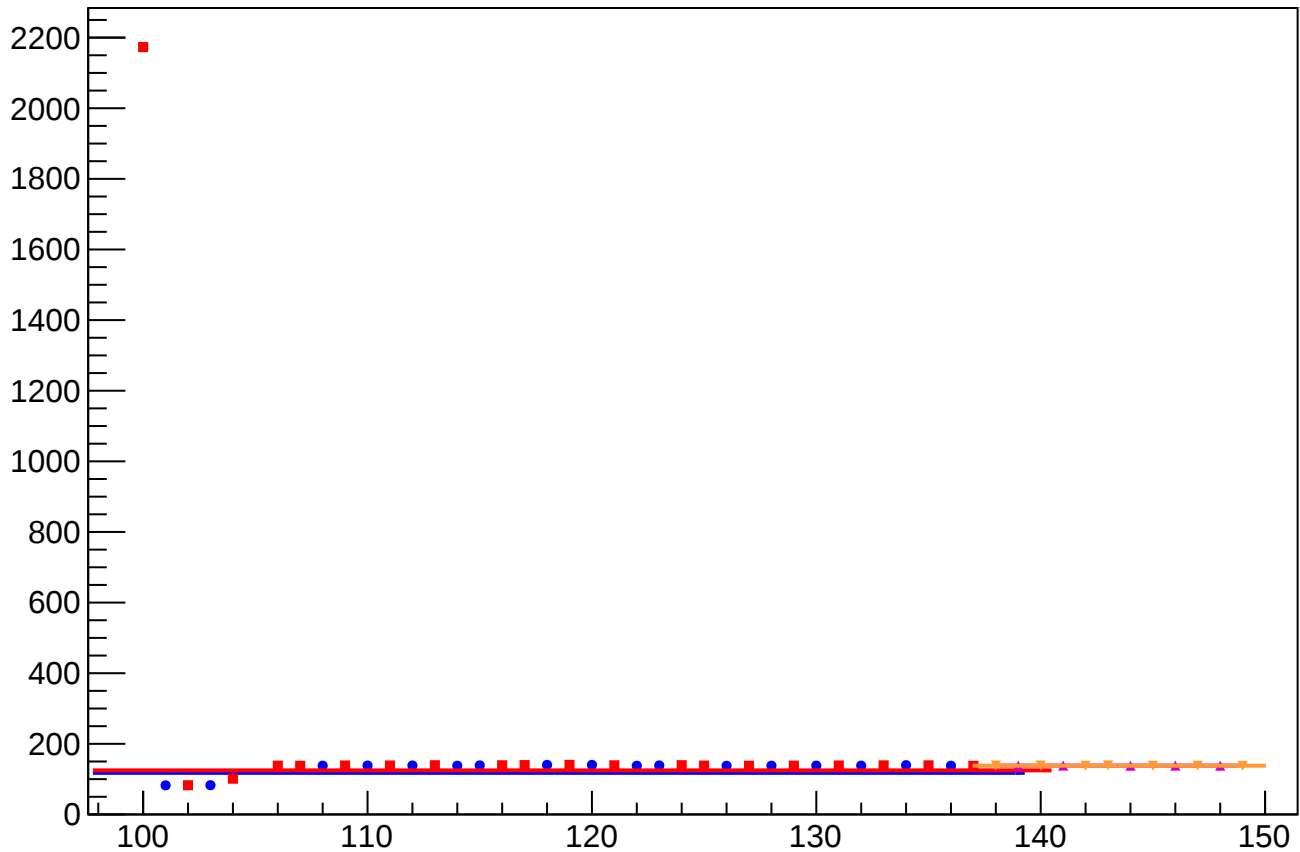
Right Out: -60.159 ± 47.602 χ^2/NDF : 16.2/19

Left In: 15.738 ± 68.693 χ^2/NDF : 4.1/4

-9.896 ± 37.316 χ^2/NDF : 16.6/23

-35.536 ± 39.126 χ^2/NDF : 21.2/24

asym_dsr_rms vs Slug



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

Left Out: 138.105 $\pm$ 0.044 χ^2 /NDF: 92.3/6

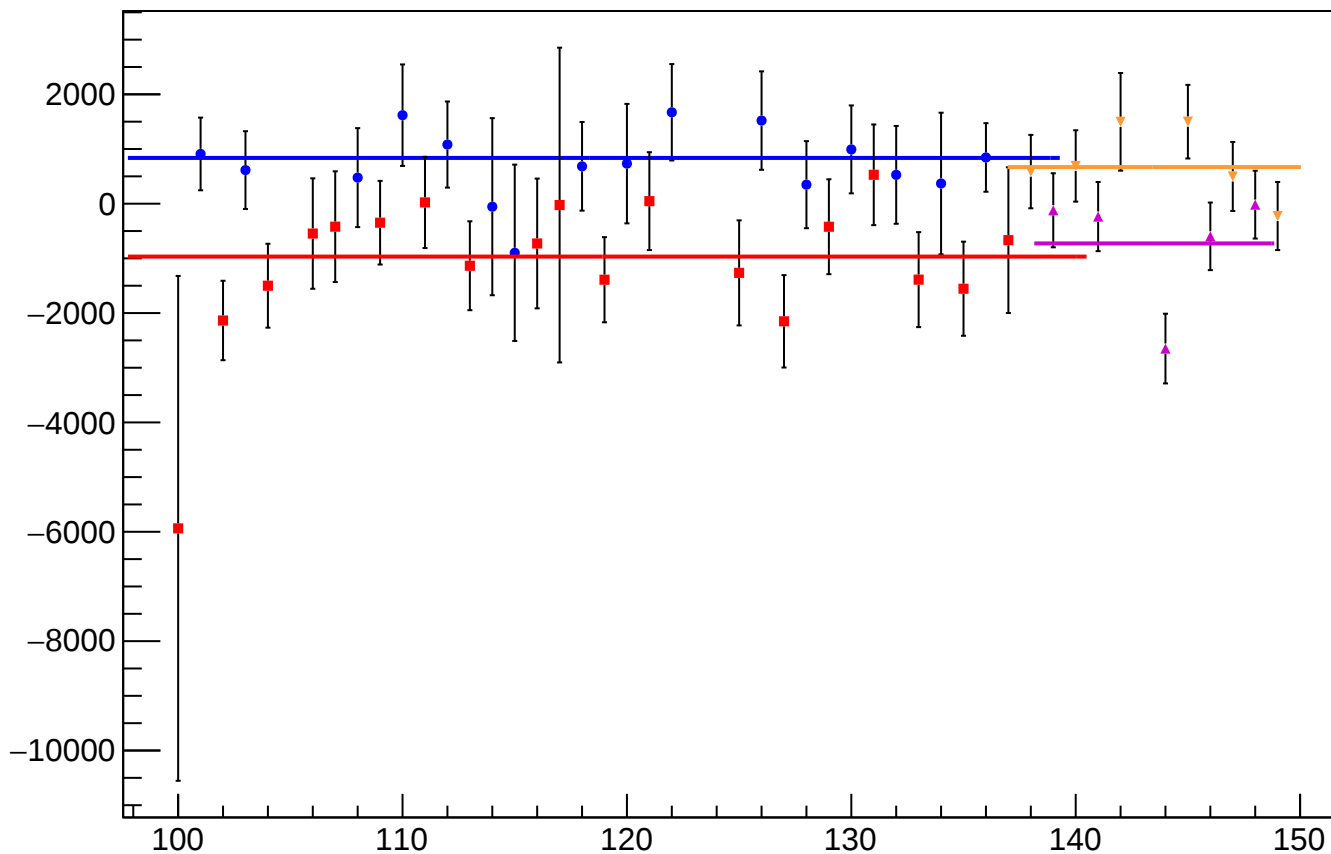
Right Out: 124.828 $\pm$ 0.034 χ^2 /NDF: 581349.7/19

Left In: 138.368 $\pm$ 0.049 χ^2 /NDF: 10.3/4

125.220 $\pm$ 0.026 χ^2 /NDF: 803163.7/23

129.221 $\pm$ 0.028 χ^2 /NDF: 633855.9/24

reg_asym_left_avg_mean vs Slug



Right In: 837.048 ± 216.181 $\chi^2/\text{NDF}: 4.7/15$

Left Out: 669.522 ± 276.126 $\chi^2/\text{NDF}: 4.5/5$

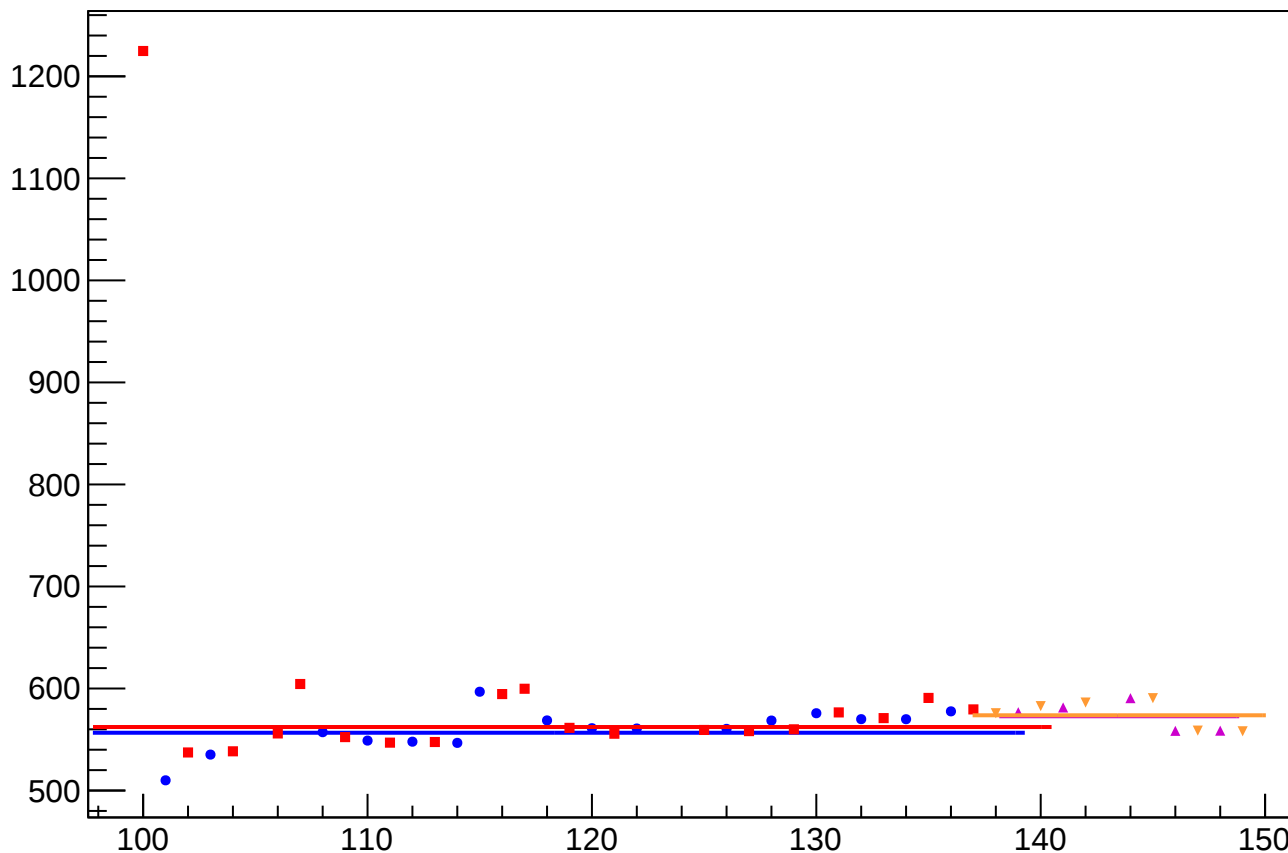
Right Out: -967.277 ± 212.168 $\chi^2/\text{NDF}: 14.4/18$

Left In: -726.462 ± 284.418 $\chi^2/\text{NDF}: 11.9/4$

773.385 ± 170.219 $\chi^2/\text{NDF}: 9.5/21$

-881.180 ± 170.062 $\chi^2/\text{NDF}: 26.7/23$

reg_asym_left_avg_rms vs Slug



Right In: 556.637 $\pm$ 0.153 χ^2 /NDF: 18391.7/15

Left Out: 573.753 $\pm$ 0.195 χ^2 /NDF: 4432.3/5

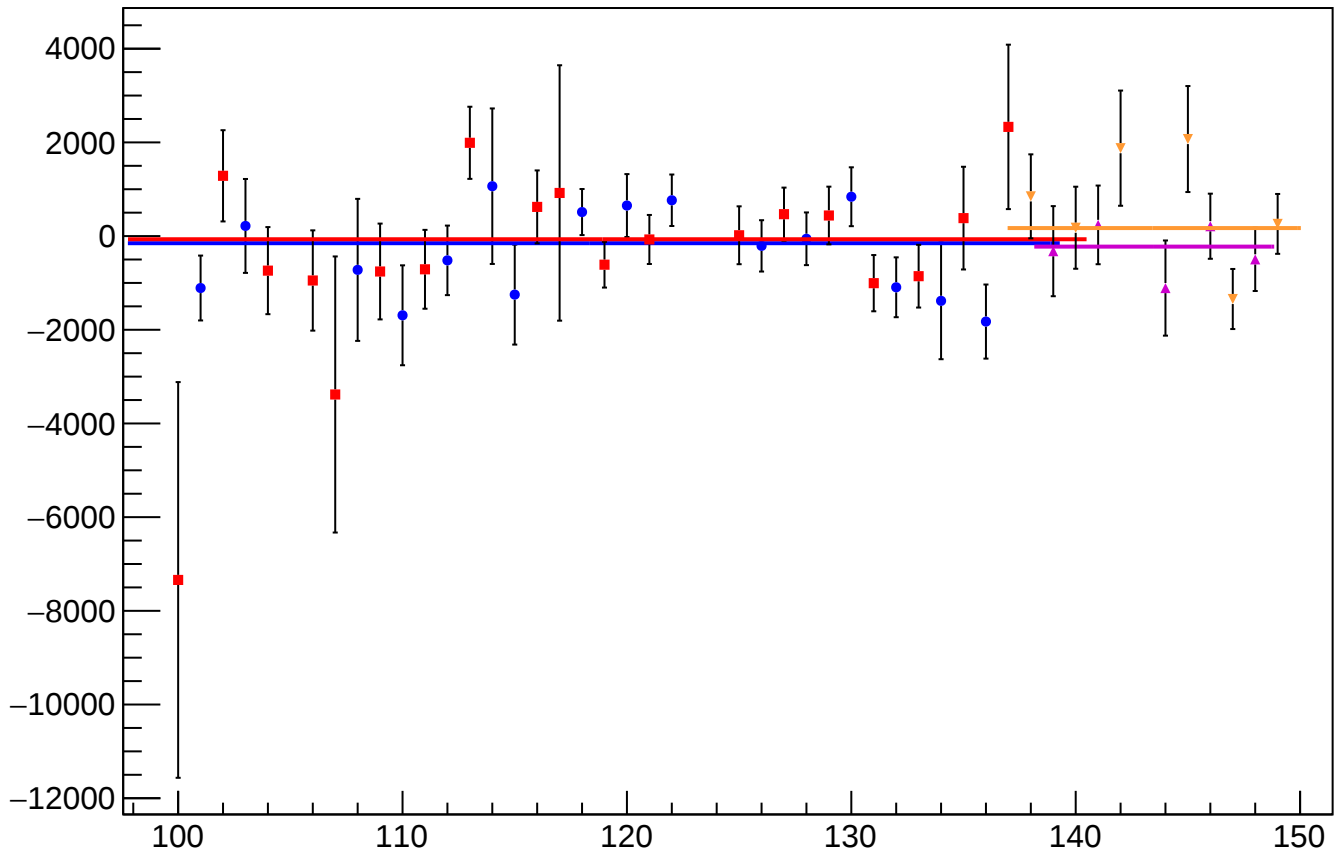
Right Out: 562.253 $\pm$ 0.150 χ^2 /NDF: 55916.7/18

Left In: 572.790 $\pm$ 0.201 χ^2 /NDF: 4095.8/4

563.142 $\pm$ 0.120 χ^2 /NDF: 27588.3/21

566.020 $\pm$ 0.120 χ^2 /NDF: 61776.2/23

asym_left_avg_correction_mean vs Slug



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

Left Out: 171.043 ± 335.770 χ^2/NDF : 10.9/5

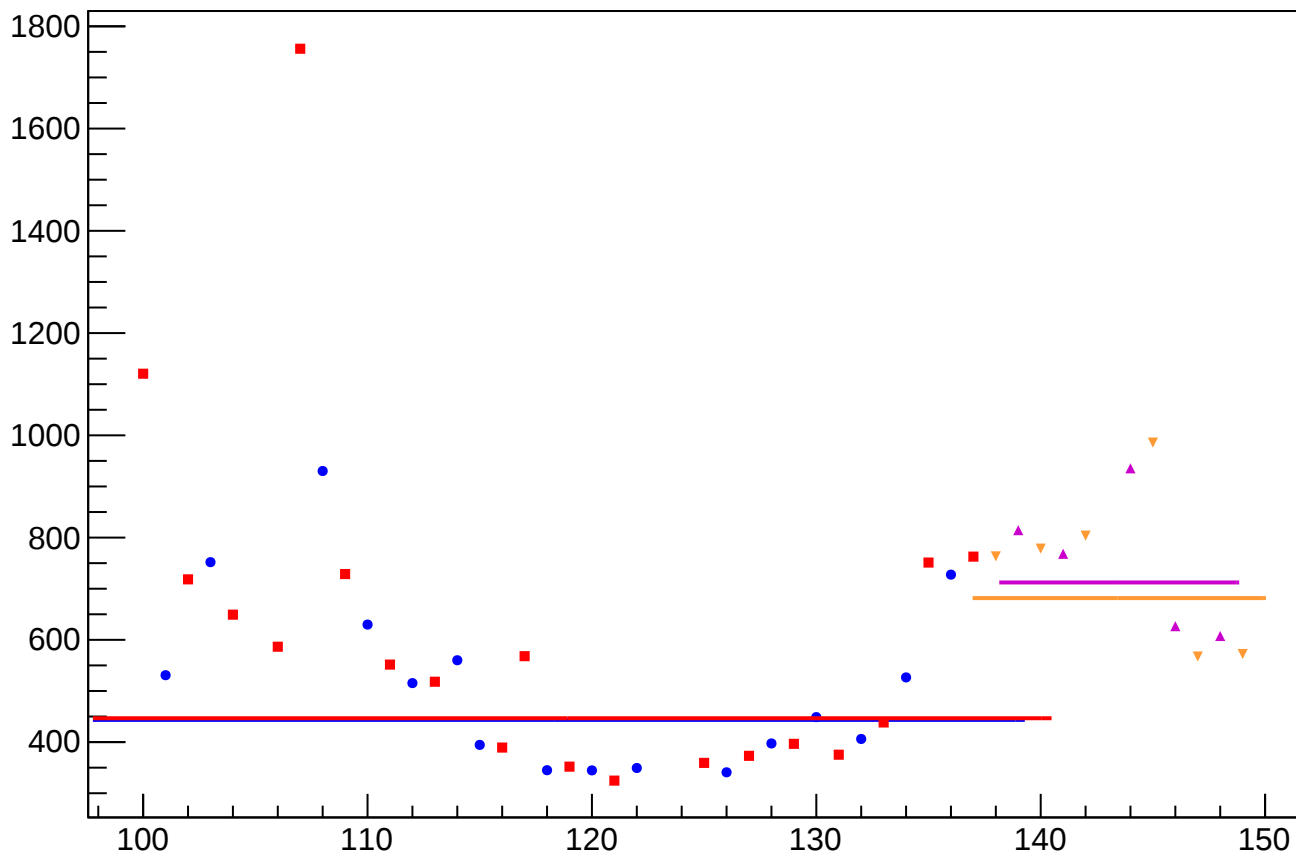
Right Out: -67.516 ± 178.283 χ^2/NDF : 25.1/18

Left In: -224.830 ± 359.678 χ^2/NDF : 1.6/4

-79.742 ± 158.696 χ^2/NDF : 33.9/21

-98.544 ± 159.737 χ^2/NDF : 26.9/23

asym_left_avg_correction_rms vs Slug



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

Left Out: 681.674+/-0.237 χ^2/NDF : 327343.7/5

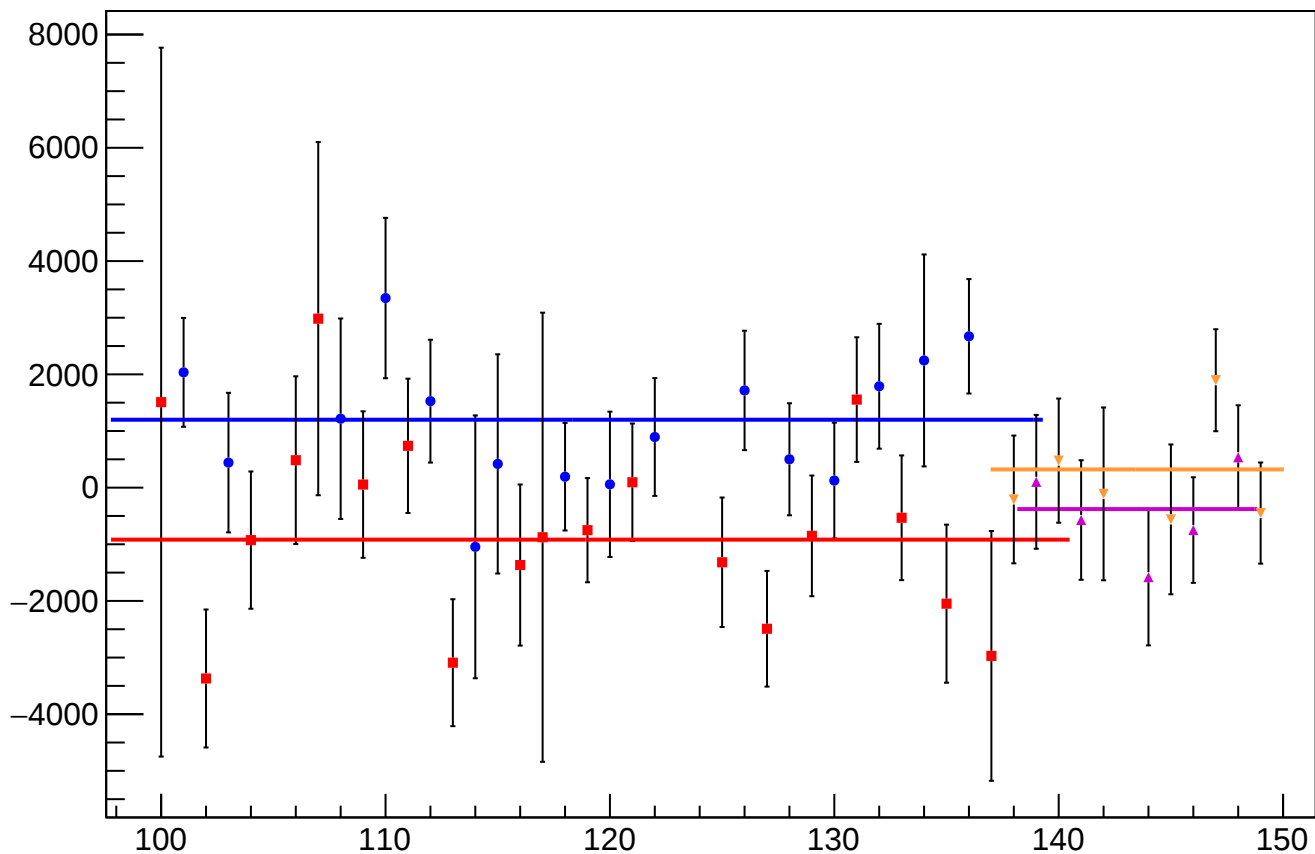
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 712.250+/-0.254 χ^2/NDF : 206386.0/4

496.665+/-0.112 χ^2/NDF : 2170133.7/21

499.050+/-0.113 χ^2/NDF : 2545716.3/23

asym_left_avg_mean vs Slug



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

Left Out: 321.568 ± 442.498 χ^2/NDF : 4.6/5

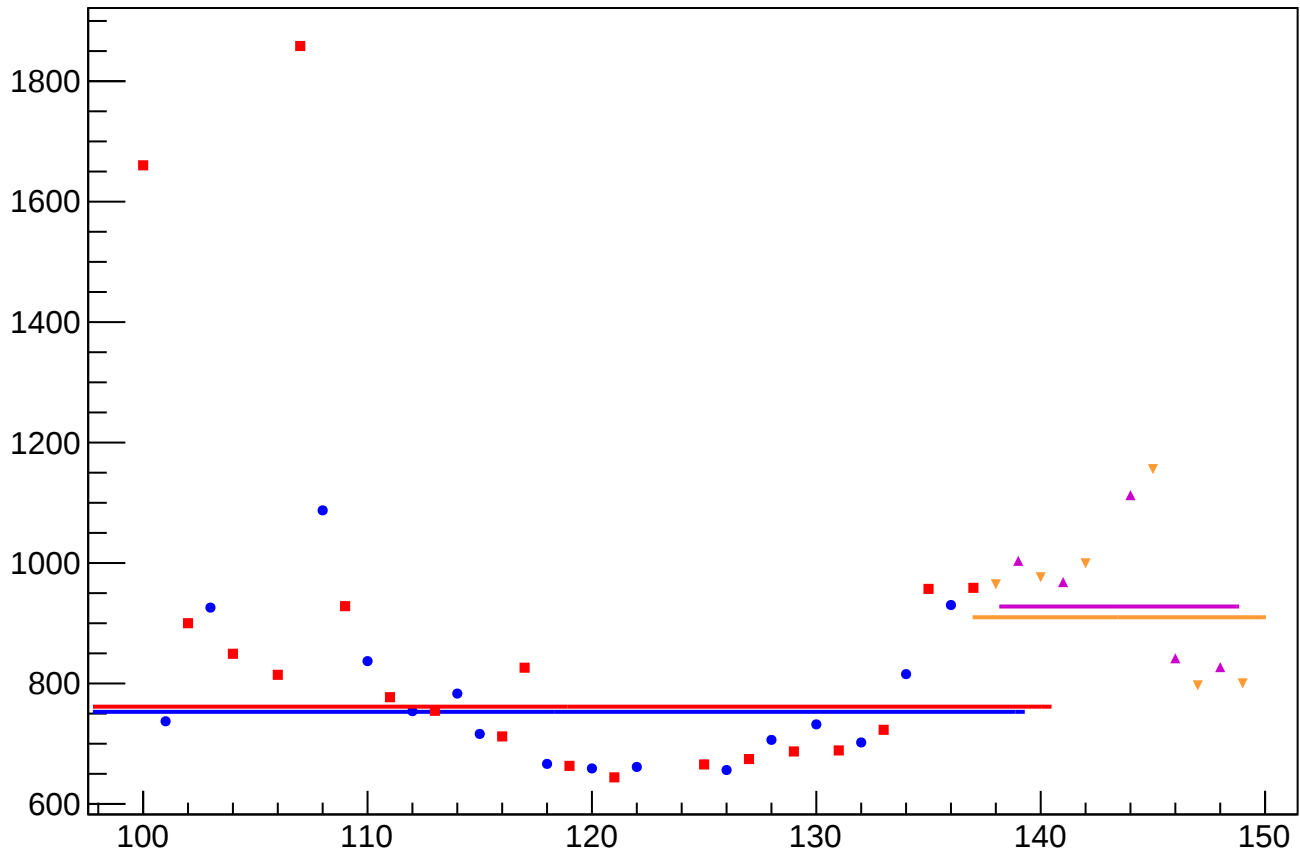
Right Out: -918.180 ± 292.495 χ^2/NDF : 23.2/18

Left In: -378.472 ± 464.313 χ^2/NDF : 2.3/4

928.692 ± 245.594 χ^2/NDF : 18.5/21

-764.850 ± 247.483 χ^2/NDF : 26.5/23

asym_left_avg_rms vs Slug



Right In: 752.937 $\pm$ 0.209 χ^2 /NDF: 252526.4/15

Left Out: 909.949 $\pm$ 0.313 χ^2 /NDF: 149895.4/5

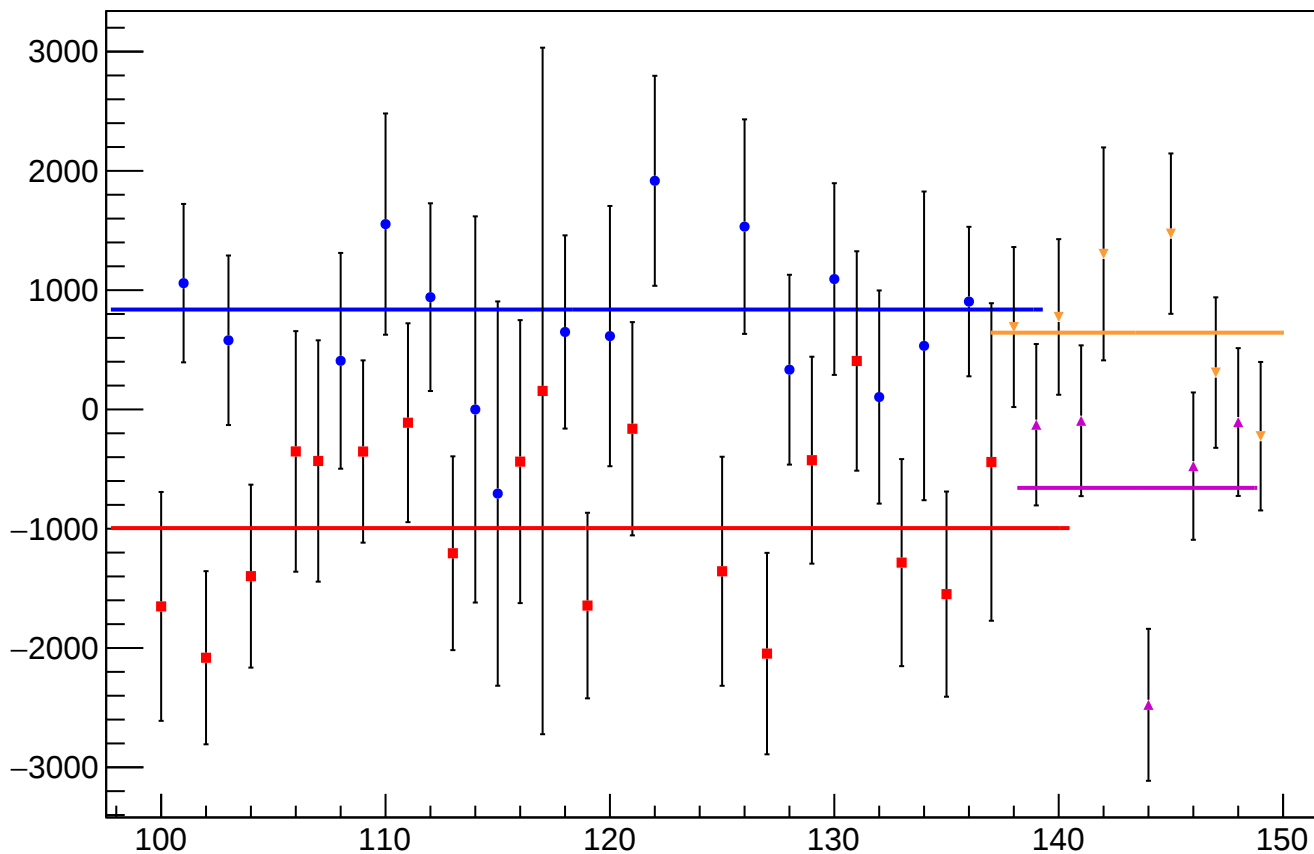
Right Out: 761.514 $\pm$ 0.207 χ^2 /NDF: 517672.2/18

Left In: 927.796 $\pm$ 0.328 χ^2 /NDF: 99274.5/4

801.304 $\pm$ 0.174 χ^2 /NDF: 576661.2/21

808.755 $\pm$ 0.175 χ^2 /NDF: 800580.0/23

reg_asym_left_dd_mean vs Slug



Right In: 837.557 ± 216.015 $\chi^2/\text{NDF}: 5.7/15$

Left Out: 643.629 ± 275.909 $\chi^2/\text{NDF}: 4.3/5$

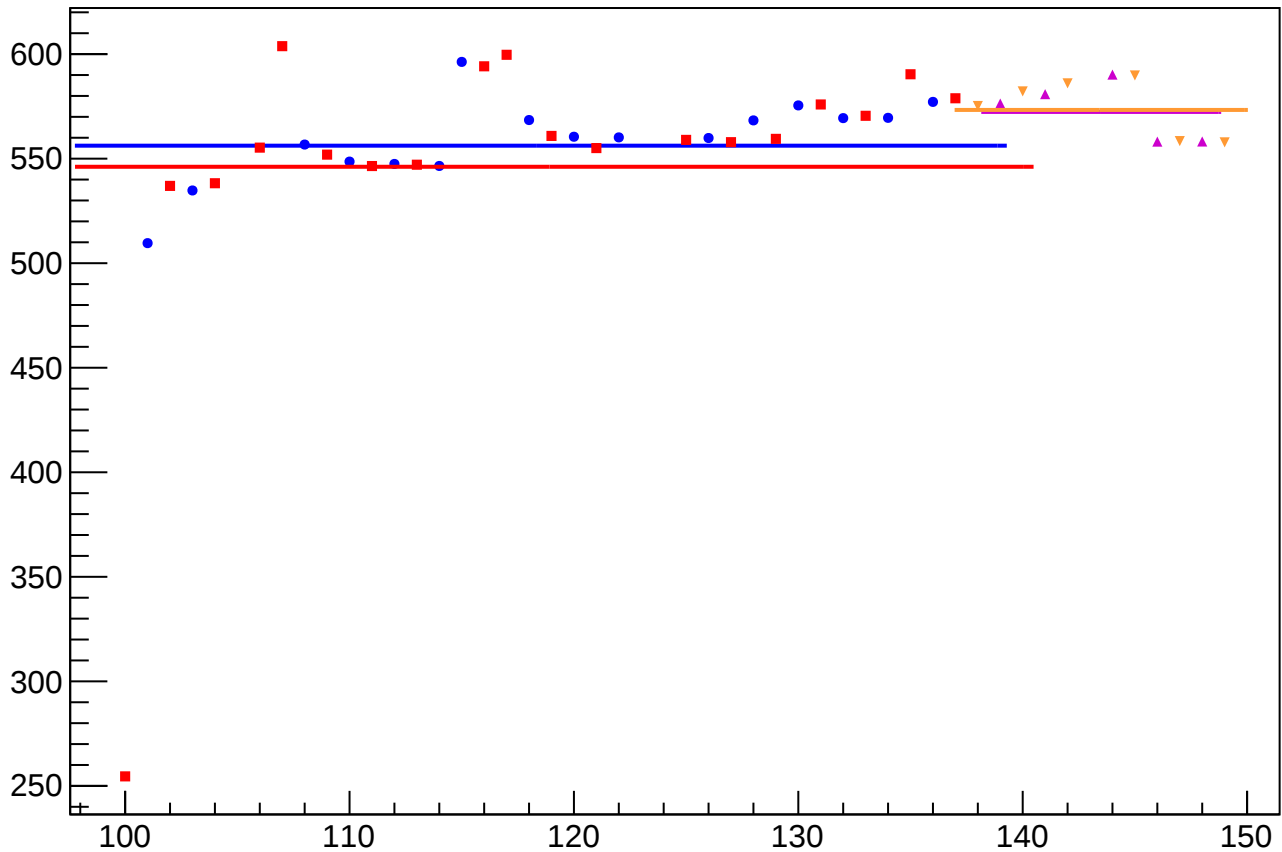
Right Out: -994.626 ± 207.208 $\chi^2/\text{NDF}: 12.7/18$

Left In: -657.513 ± 284.201 $\chi^2/\text{NDF}: 10.4/4$

763.860 ± 170.087 $\chi^2/\text{NDF}: 10.4/21$

-877.622 ± 167.432 $\chi^2/\text{NDF}: 24.0/23$

reg_asym_left_dd_rms vs Slug



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

Left Out: 573.306 $\pm$ 0.195 χ^2 /NDF: 4352.7/5

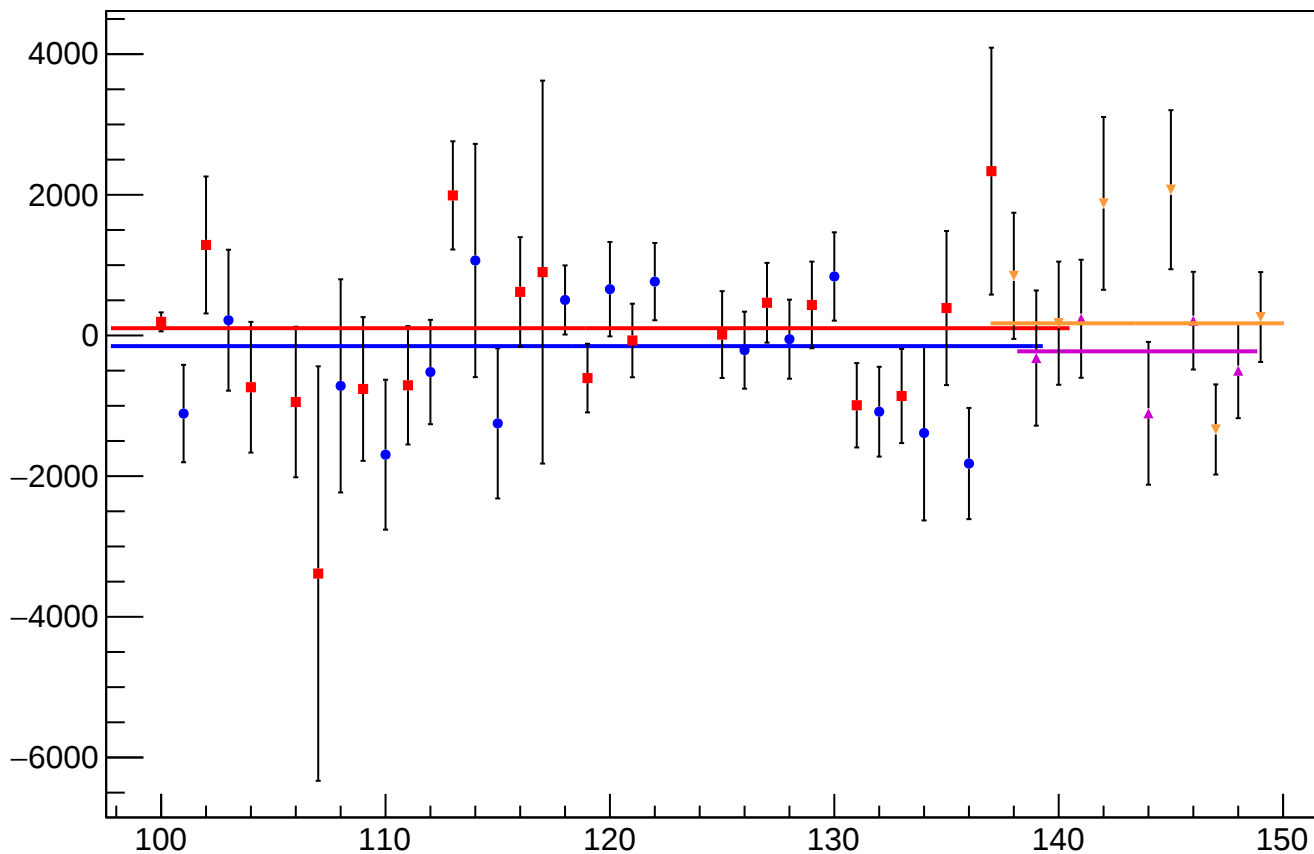
Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

Left In: 572.354 $\pm$ 0.201 χ^2 /NDF: 4102.6/4

562.707 $\pm$ 0.120 χ^2 /NDF: 27530.3/21

555.227 $\pm$ 0.118 χ^2 /NDF: 223562.5/23

asym_left_dd_correction_mean vs Slug



Right In: -151.459 ± 179.991 $\chi^2/\text{NDF}: 22.3/15$

Left Out: 172.944 ± 335.608 $\chi^2/\text{NDF}: 10.9/5$

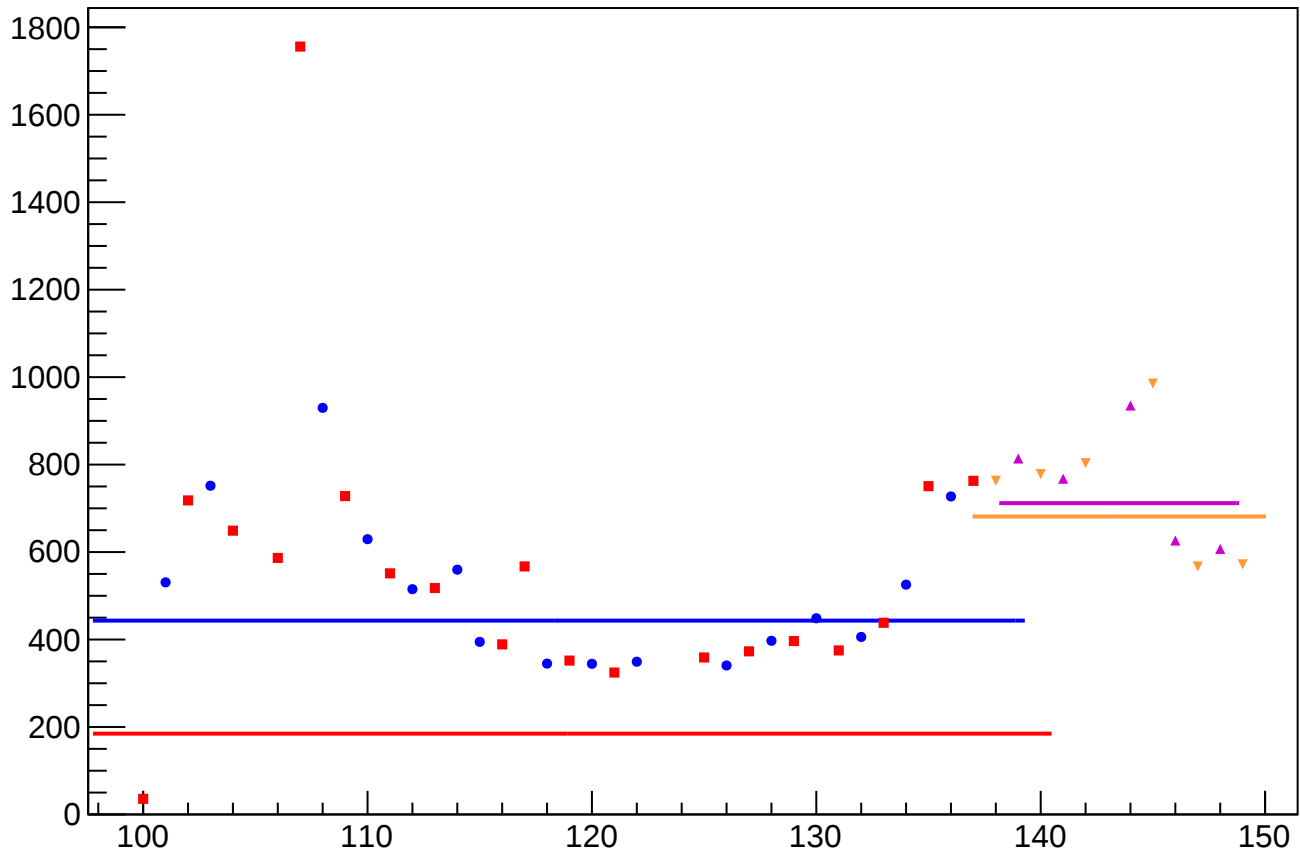
Right Out: 103.328 ± 107.623 $\chi^2/\text{NDF}: 23.3/18$

Left In: -225.582 ± 359.492 $\chi^2/\text{NDF}: 1.6/4$

-78.994 ± 158.619 $\chi^2/\text{NDF}: 33.9/21$

76.274 ± 103.102 $\chi^2/\text{NDF}: 25.7/23$

asym_left_dd_correction_rms vs Slug



Right In: 443.240+/-0.127 χ^2/NDF : 1060784.8/15

Left Out: 681.337+/-0.237 χ^2/NDF :327568.5/5

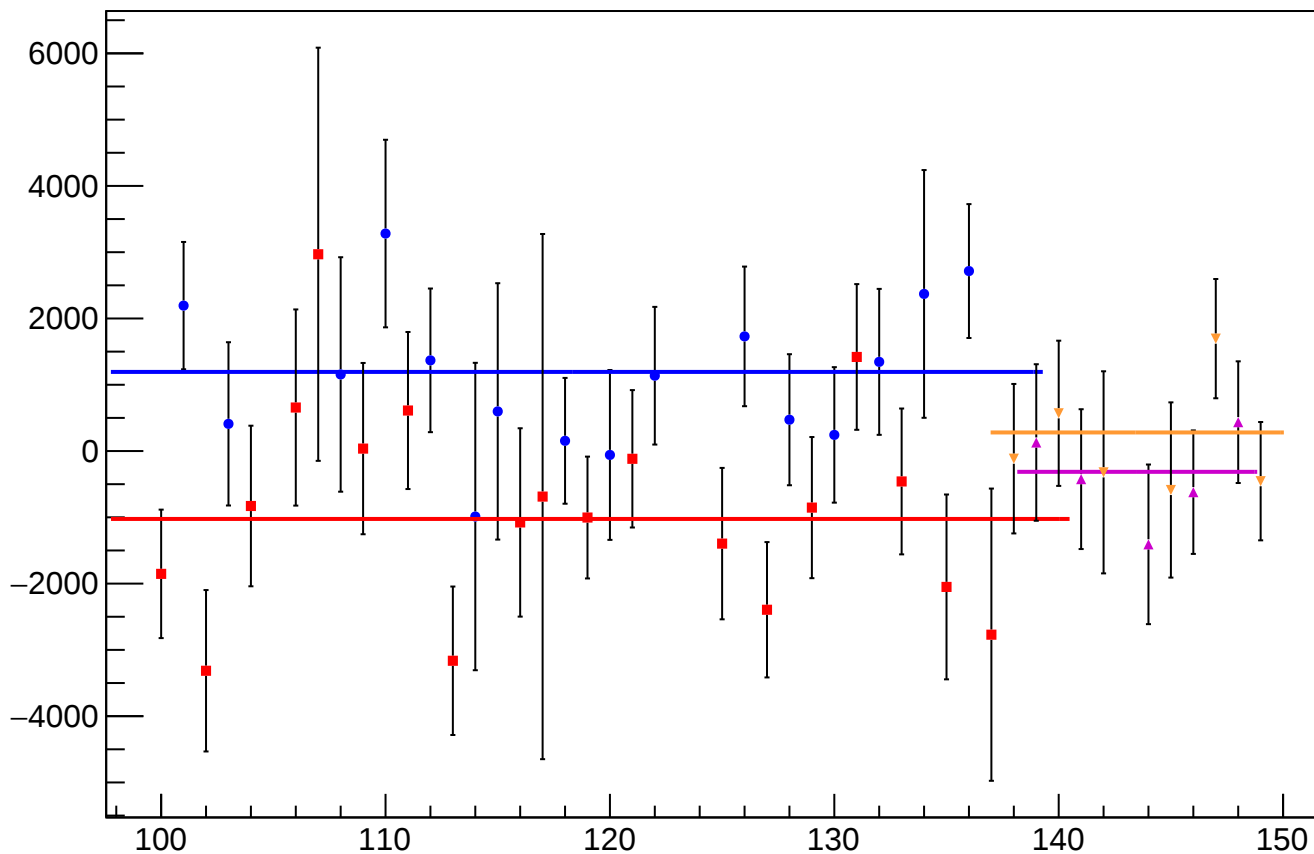
496.426+/-0.112 χ^2/NDF : 2170129.3/21

Right Out: 184.814+/-0.076 χ^2/NDF : 8119311.6/18

228.167+/-0.073 χ^2/NDF : 12271156.5/23

Left In: 711.884+/-0.254 χ^2/NDF :206261.6/4

asym_left_dd_mean vs Slug



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

Left Out: 280.431 $\pm$ 442.251 χ^2 /NDF: 3.9/5

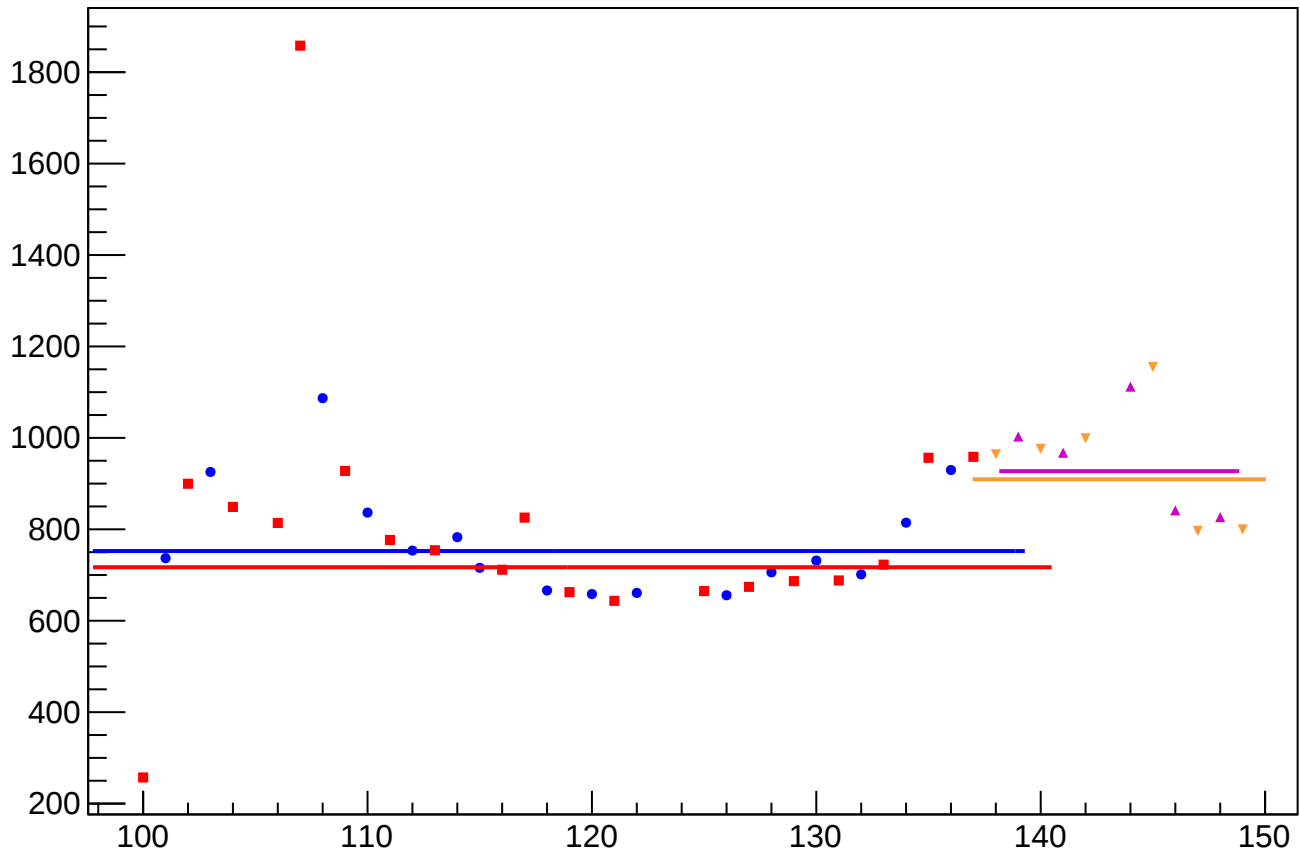
Right Out: -1024.435 $\pm$ 280.119 χ^2 /NDF: 22.5/18

Left In: -313.681 $\pm$ 464.025 χ^2 /NDF: 1.8/4

912.518 $\pm$ 245.439 χ^2 /NDF: 18.1/21

-834.601 $\pm$ 239.811 χ^2 /NDF: 26.0/23

asym_left_dd_rms vs Slug



Right In: 752.429+/-0.209 χ^2/NDF : 252705.1/15

Left Out: 909.444+/-0.313 χ^2/NDF : 149836.2/5

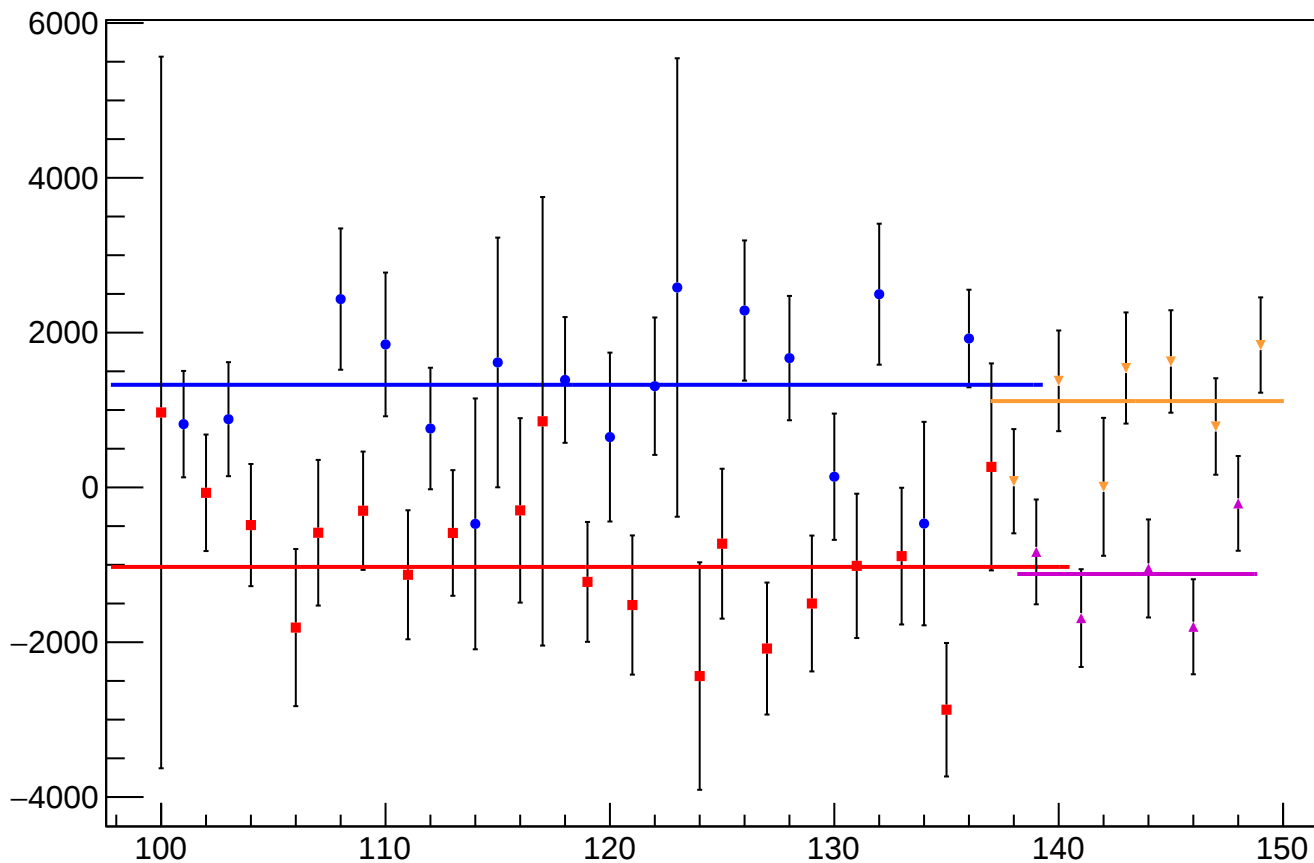
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

Left In: 927.221+/-0.328 χ^2/NDF : 99236.7/4

800.789+/-0.174 χ^2/NDF : 576995.8/21

773.197+/-0.170 χ^2/NDF : 1368338.1/23

reg_asym_right_avg_mean vs Slug



Right In: 1325.776 ± 218.106 χ^2/NDF : 12.9/16

Left Out: 1115.590 ± 255.960 χ^2/NDF : 6.7/6

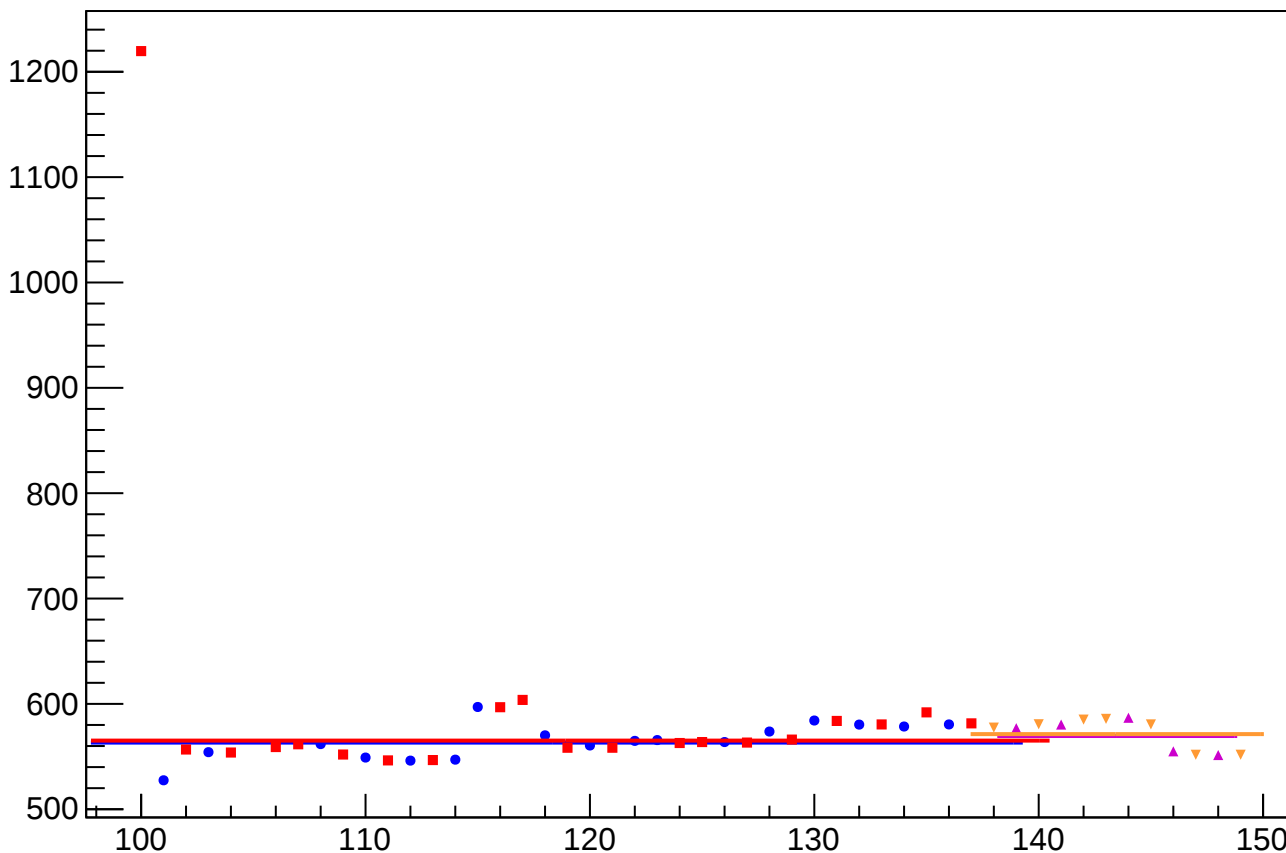
Right Out: -1026.996 ± 211.021 χ^2/NDF : 13.8/19

Left In: -1118.516 ± 282.806 χ^2/NDF : 4.5/4

1237.360 ± 166.010 χ^2/NDF : 20.0/23

-1059.728 ± 169.127 χ^2/NDF : 18.4/24

reg_asym_right_avg_rms vs Slug



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

Left Out: 571.314+/-0.181 χ^2/NDF : 6257.4/6

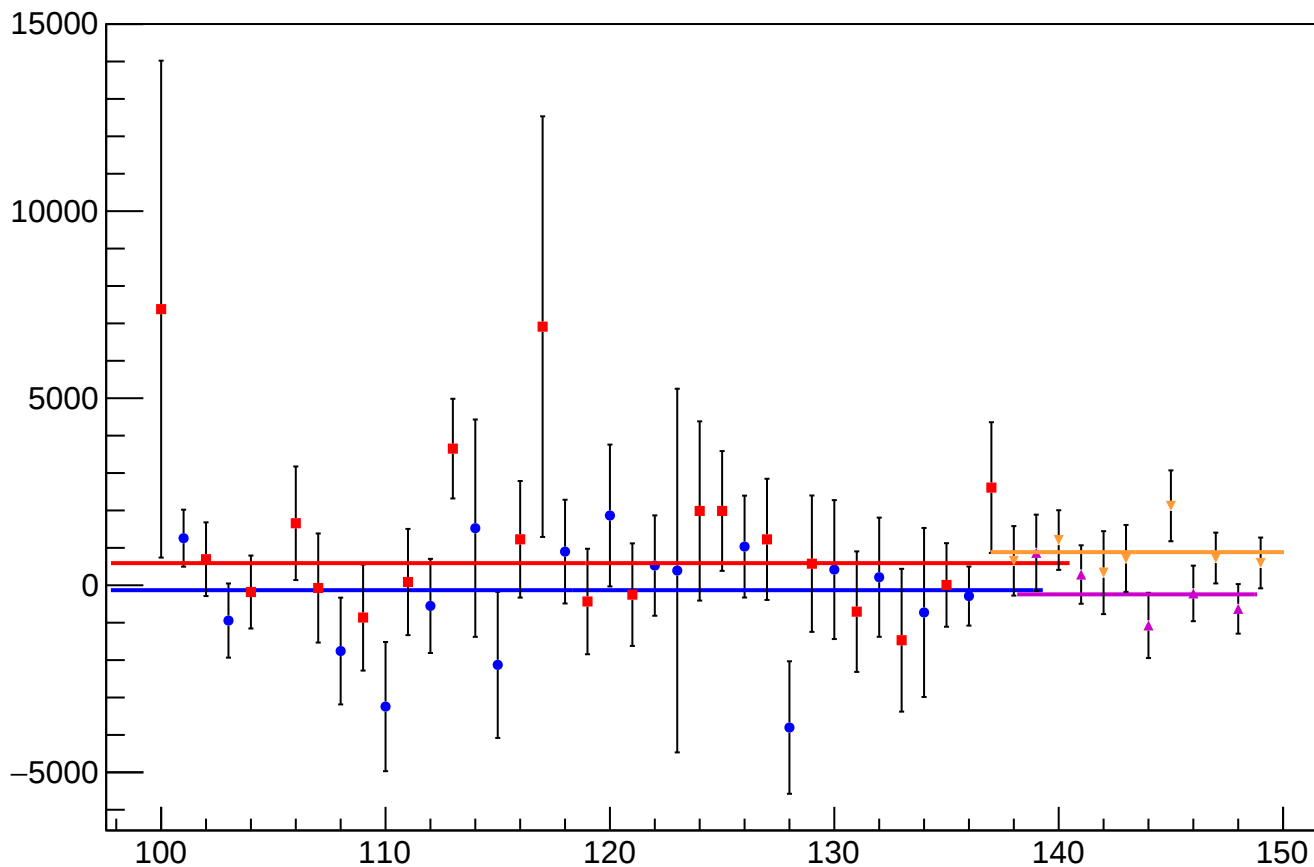
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

Left In: 569.507+/-0.200 χ^2/NDF : 5196.6/4

566.651+/-0.117 χ^2/NDF : 19923.4/23

566.708+/-0.120 χ^2/NDF : 55154.7/24

asym_right_avg_correction_mean vs Slug



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

Left Out: 885.391+/-312.293 χ^2/NDF : 2.5/6

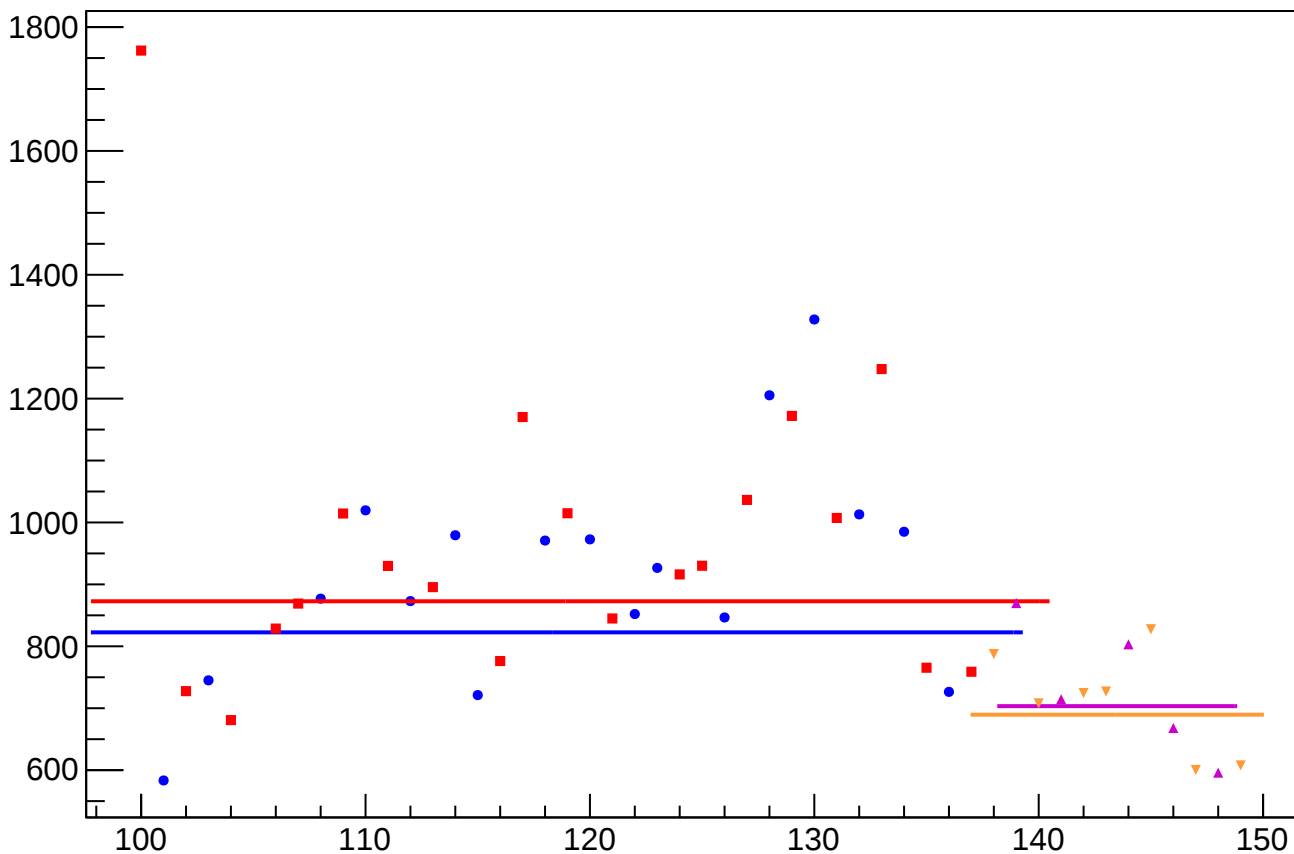
Right Out: 591.948+/-331.825 χ^2/NDF : 15.9/19

Left In: -242.701+/-353.436 χ^2/NDF : 2.9/4

401.429+/-226.038 χ^2/NDF : 24.7/23

200.920+/-241.915 χ^2/NDF : 21.7/24

asym_right_avg_correction_rms vs Slug



Right In: 822.527+/-0.232 χ^2/NDF : 600956.1/16

Left Out: 689.555+/-0.221 χ^2/NDF :134927.3/6

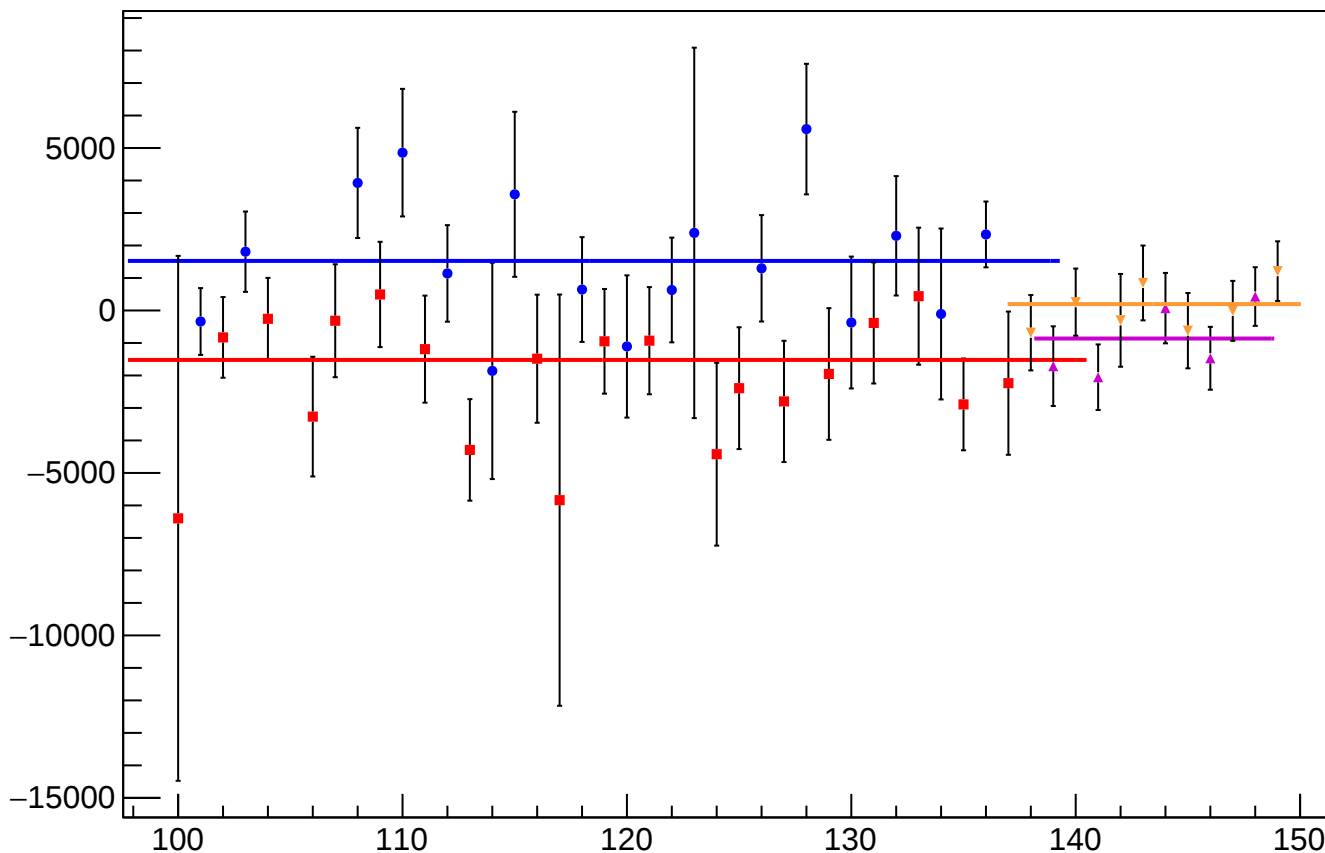
Right Out: 872.719+/-0.235 χ^2/NDF : 412481.2/19

Left In: 703.360+/-0.250 χ^2/NDF :136814.9/4

752.864+/-0.160 χ^2/NDF : 908519.7/23

793.376+/-0.171 χ^2/NDF : 793377.1/24

asym_right_avg_mean vs Slug



Right In: 1525.470 ± 401.784 χ^2/NDF : 18.2/16

Left Out: 196.144 ± 407.137 χ^2/NDF : 2.8/6

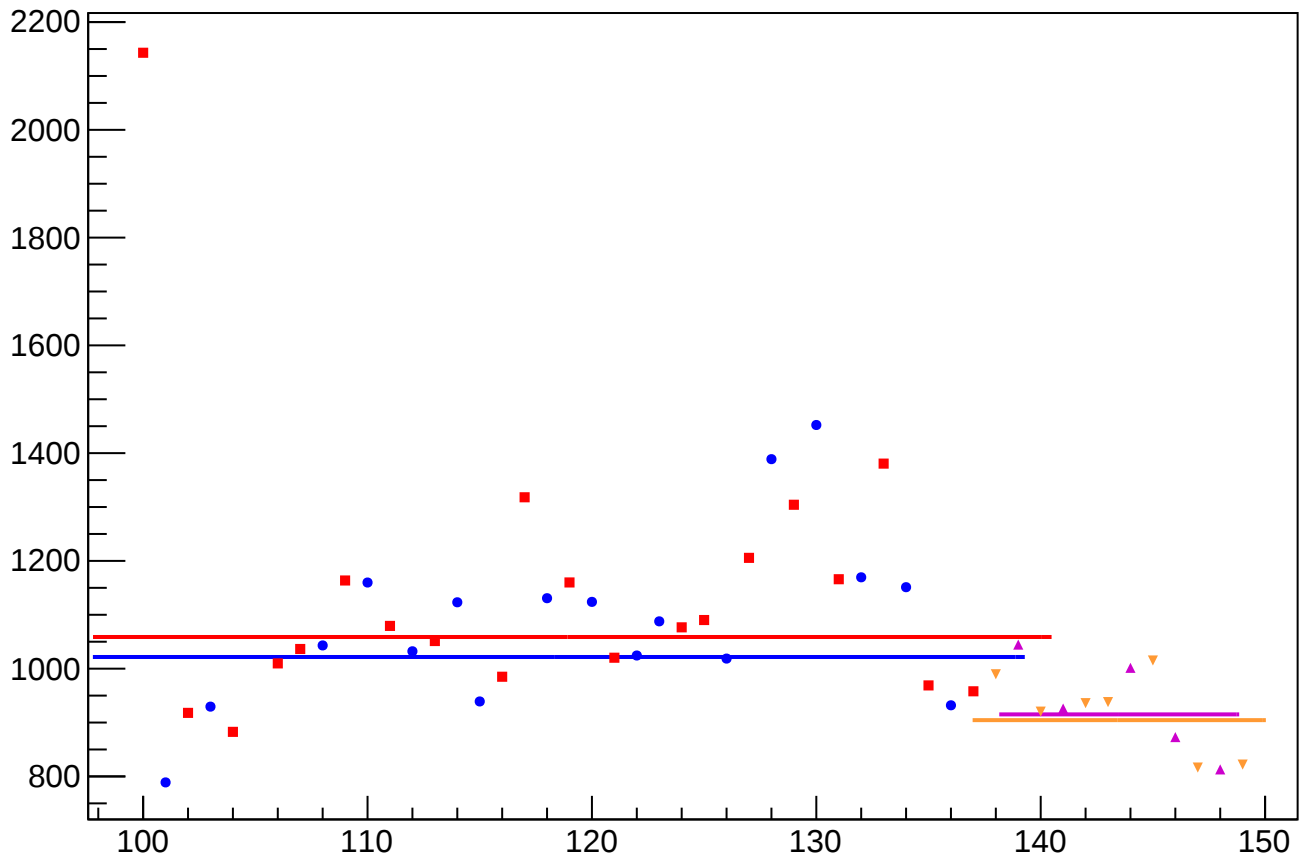
Right Out: -1521.641 ± 399.157 χ^2/NDF : 12.6/19

Left In: -863.504 ± 456.763 χ^2/NDF : 5.1/4

869.604 ± 285.978 χ^2/NDF : 26.4/23

-1236.668 ± 300.563 χ^2/NDF : 18.8/24

asym_right_avg_rms vs Slug



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

Left Out: 904.455+/-0.288 χ^2/NDF :66505.5/6

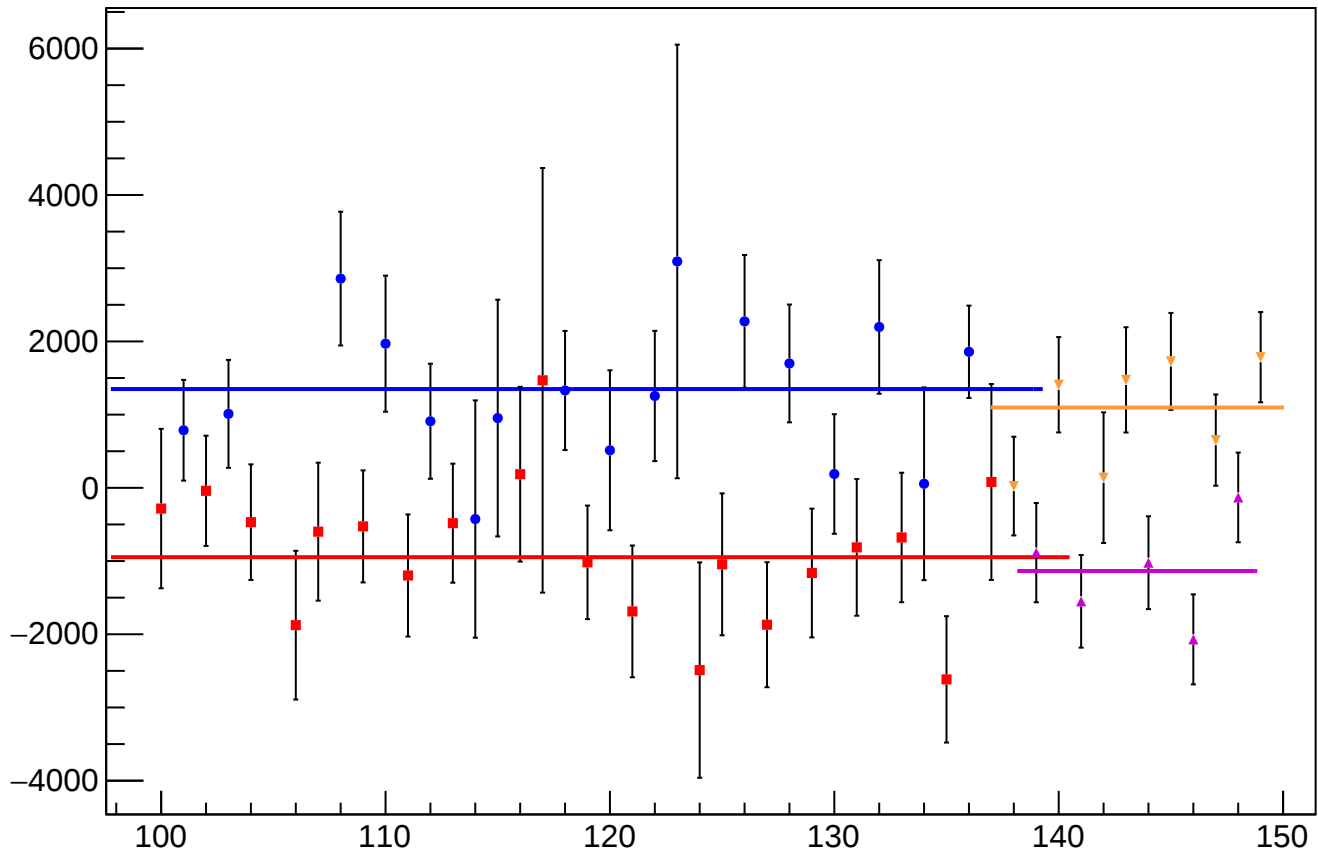
963.836+/-0.202 χ^2/NDF : 482430.6/23

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

996.588+/-0.213 χ^2/NDF : 411101.6/24

Left In: 915.145+/-0.323 χ^2/NDF :64643.8/4

reg_asym_right_dd_mean vs Slug



Right In: 1349.156 $\pm$ 218.361 χ^2 /NDF: 12.3/16

Left Out: 1097.232 $\pm$ 256.201 χ^2 /NDF: 6.8/6

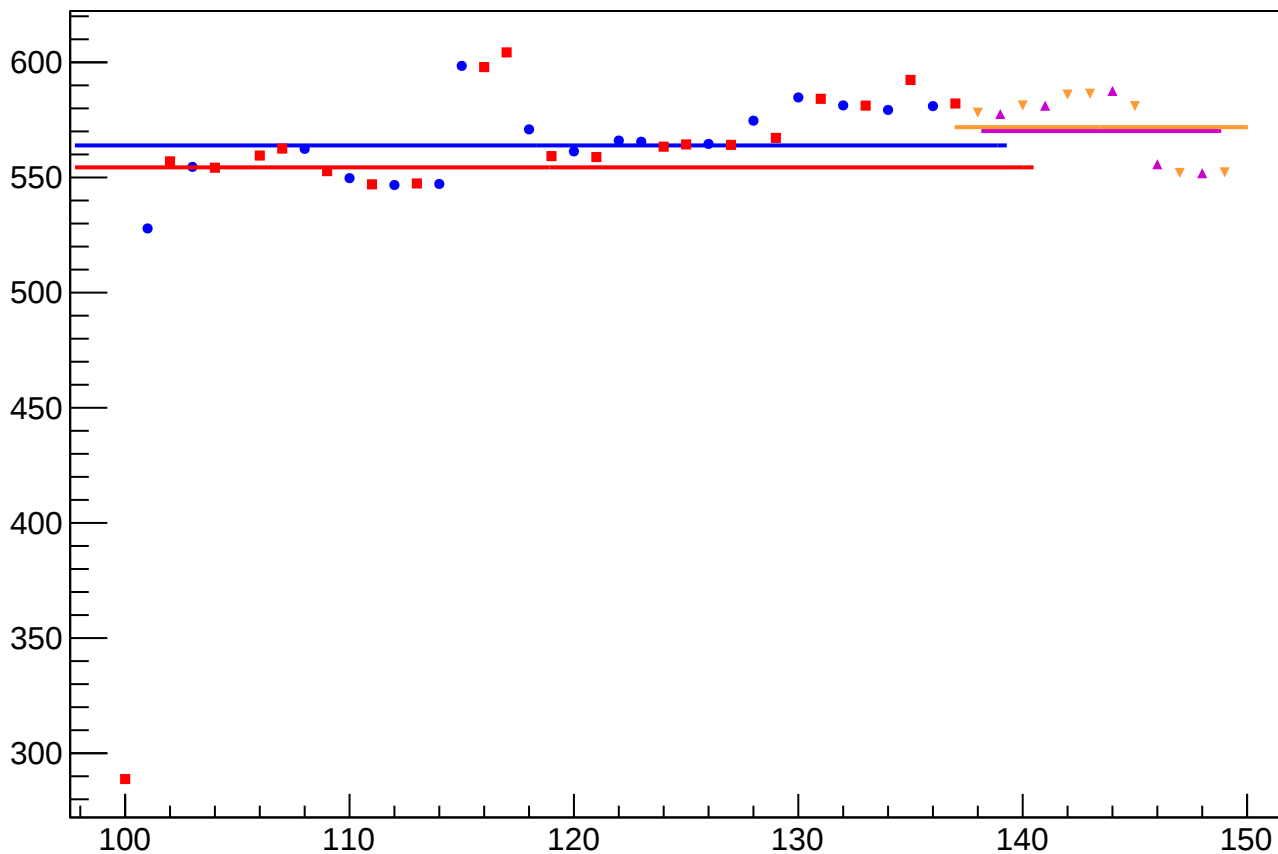
Right Out: -947.051 $\pm$ 207.609 χ^2 /NDF: 12.9/19

Left In: -1135.836 $\pm$ 283.135 χ^2 /NDF: 5.6/4

1243.154 $\pm$ 166.189 χ^2 /NDF: 19.7/23

-1013.061 $\pm$ 167.423 χ^2 /NDF: 18.8/24

reg_asym_right_dd_rms vs Slug



Right In: 563.922 ± 0.154 $\chi^2/\text{NDF}: 12663.1/16$

Left Out: 571.848 ± 0.181 $\chi^2/\text{NDF}: 6347.0/6$

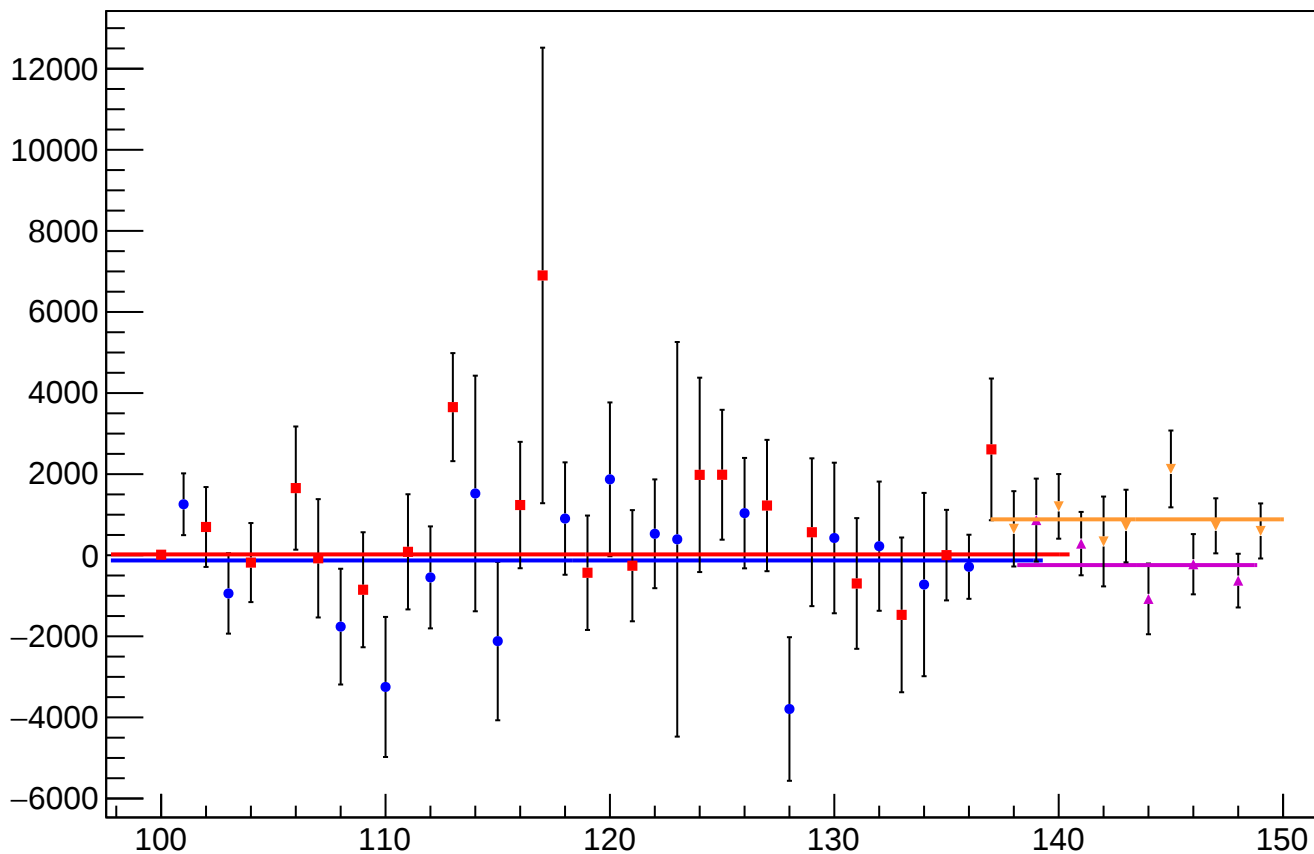
Right Out: 554.402 ± 0.147 $\chi^2/\text{NDF}: 132560.6/19$

Left In: 570.168 ± 0.200 $\chi^2/\text{NDF}: 5240.4/4$

567.257 ± 0.118 $\chi^2/\text{NDF}: 20118.9/23$

559.914 ± 0.118 $\chi^2/\text{NDF}: 141833.9/24$

asym_right_dd_correction_mean vs Slug



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

Left Out: 885.157+/-312.392 χ^2/NDF : 2.5/6

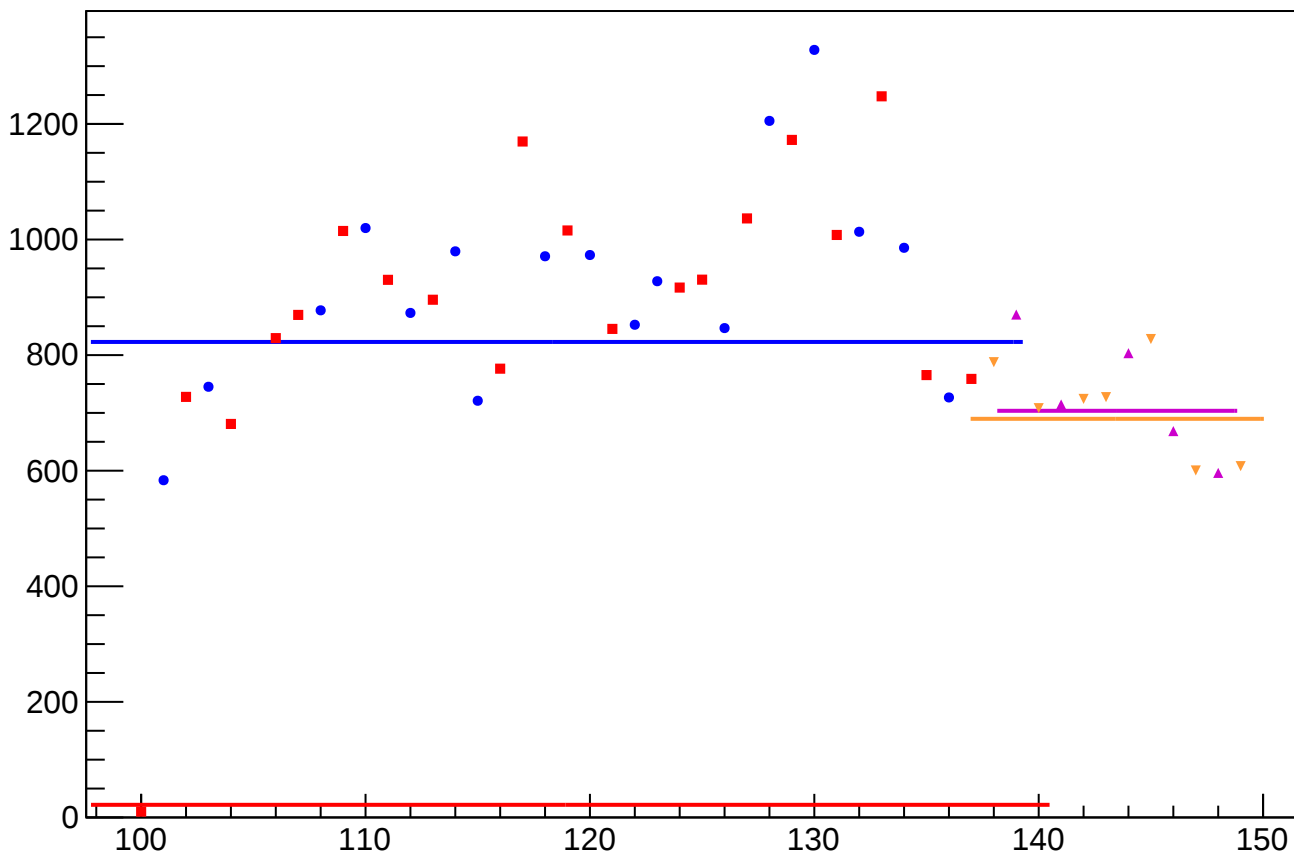
Right Out: 20.715+/-38.953 χ^2/NDF : 17.6/19

Left In: -242.938+/-353.571 χ^2/NDF : 2.9/4

402.430+/-226.109 χ^2/NDF : 24.7/23

17.553+/-38.719 χ^2/NDF : 21.0/24

asym_right_dd_correction_rms vs Slug



Right In: 822.780+/-0.232 χ^2/NDF : 600873.9/16

Left Out: 689.764+/-0.221 χ^2/NDF :134998.2/6

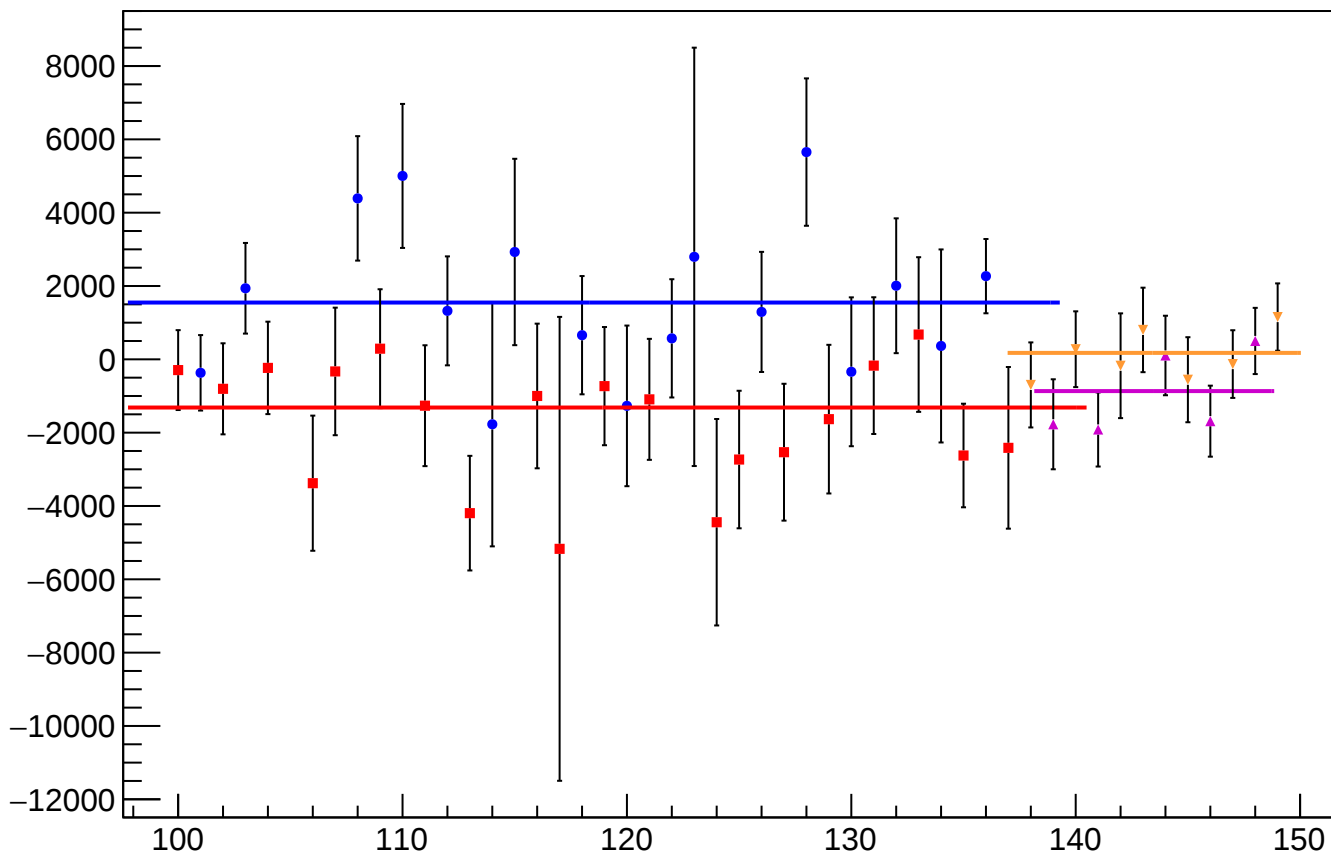
Right Out: 21.867+/-0.028 χ^2/NDF : 13607091.0/19

Left In: 703.633+/-0.250 χ^2/NDF :136702.5/4

753.095+/-0.160 χ^2/NDF : 908515.7/23

30.043+/-0.027 χ^2/NDF : 21090764.8/24

asym_right_dd_mean vs Slug



Right In: 1548.873 $\pm$ 402.008 χ^2 /NDF: 19.0/16

Left Out: 175.852 $\pm$ 407.370 χ^2 /NDF: 2.6/6

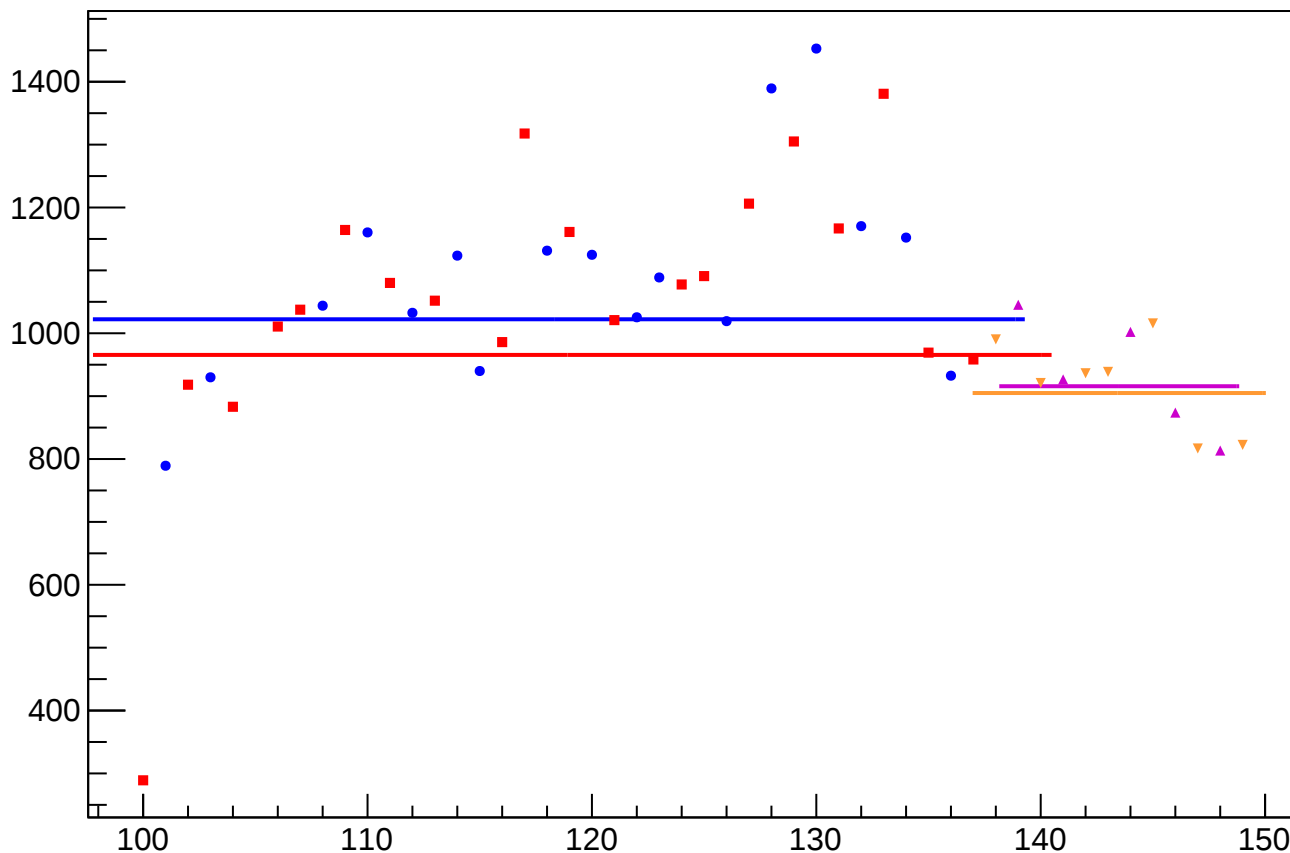
Right Out: -1314.562 $\pm$ 375.381 χ^2 /NDF: 12.9/19

Left In: -866.254 $\pm$ 457.075 χ^2 /NDF: 5.4/4

871.457 $\pm$ 286.140 χ^2 /NDF: 27.3/23

-1133.984 $\pm$ 290.089 χ^2 /NDF: 18.9/24

asym_right_dd_rms vs Slug



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

Left Out: 904.966+/-0.288 χ^2/NDF : 66603.5/6

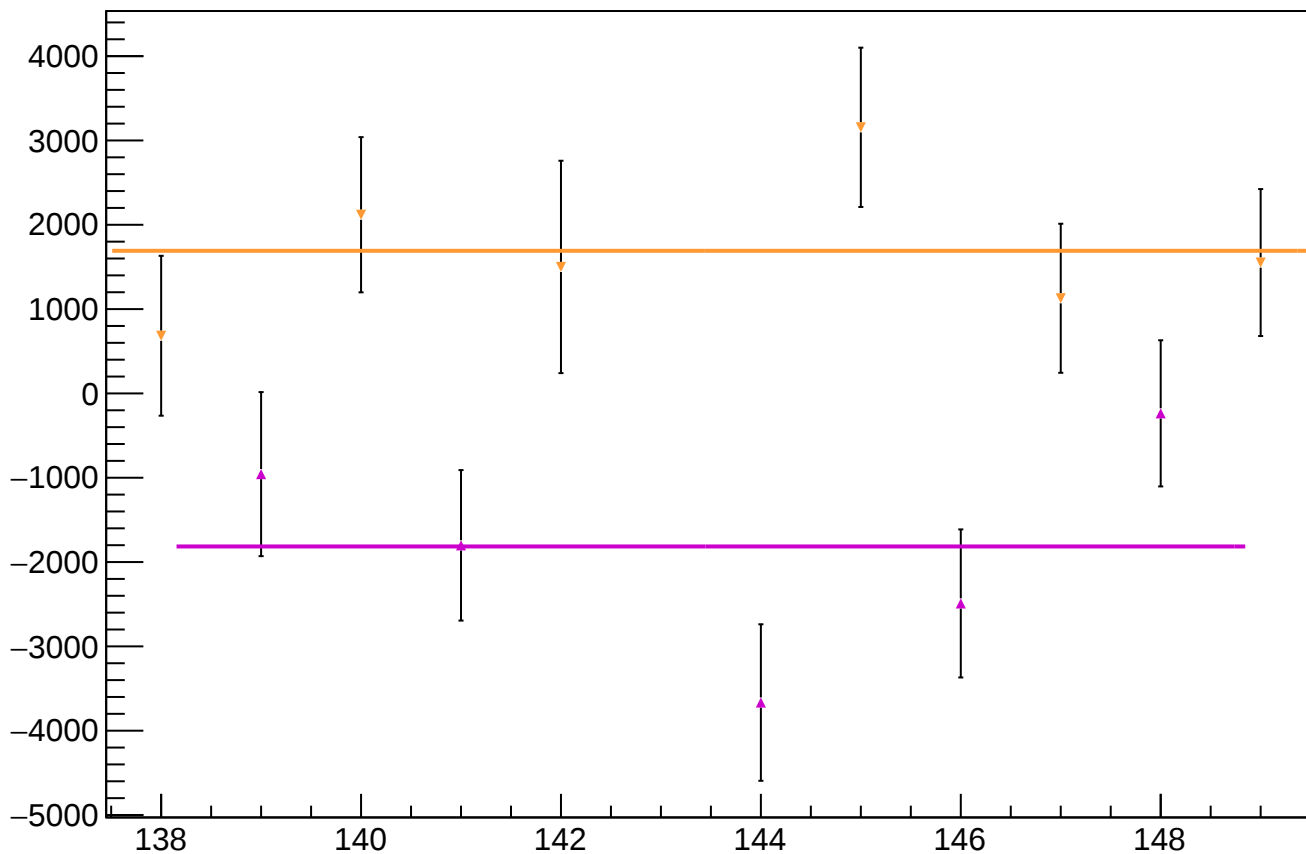
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

Left In: 915.772+/-0.323 χ^2/NDF : 64627.8/4

964.381+/-0.202 χ^2/NDF : 482444.3/23

945.514+/-0.205 χ^2/NDF : 1152304.5/24

cor_asym_us_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1691.497+/-388.046 χ^2/NDF : 4.2/5

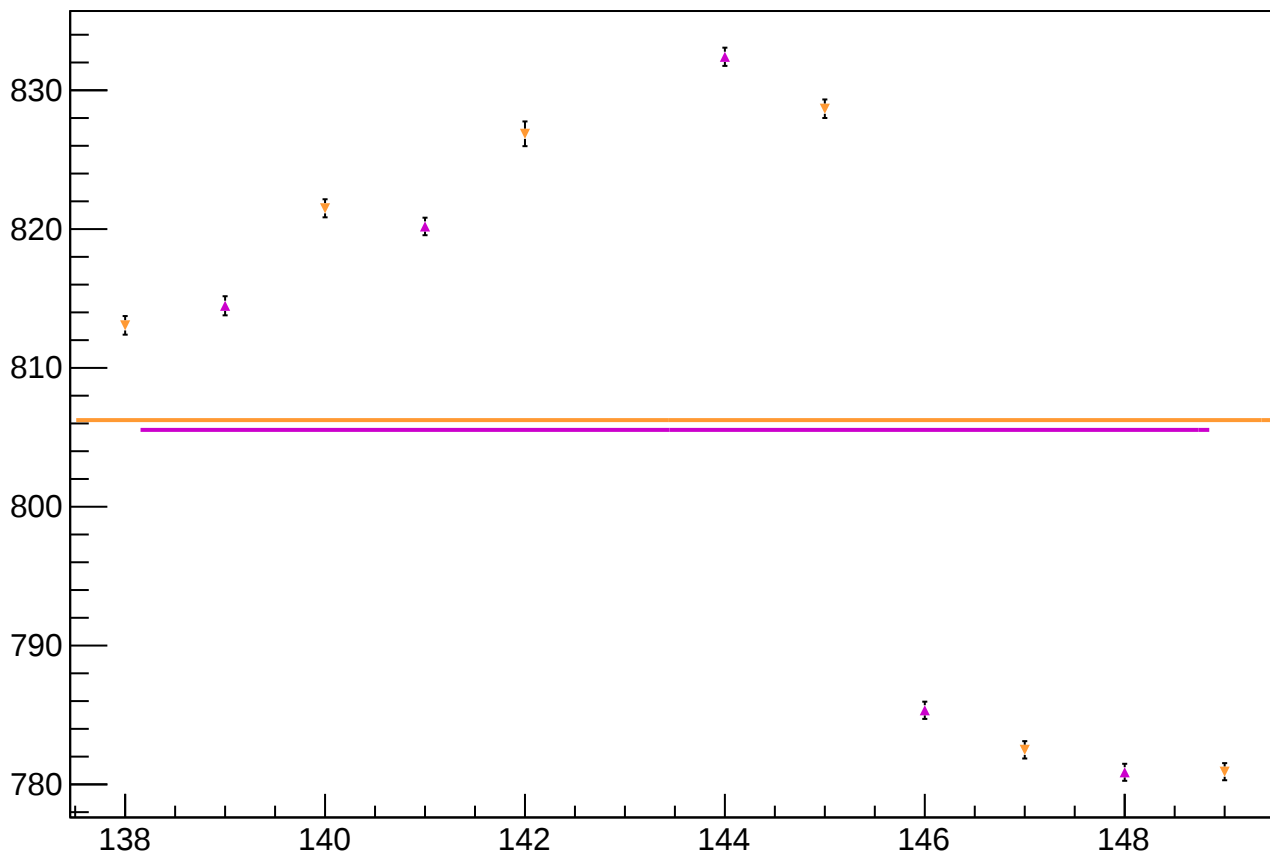
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1815.003+/-404.840 χ^2/NDF : 8.7/4

1691.497+/-388.046 χ^2/NDF : 4.2/5

-1815.003+/-404.840 χ^2/NDF : 8.7/4

cor_asym_us_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 806.240+/-0.274 χ^2/NDF : 5450.4/5

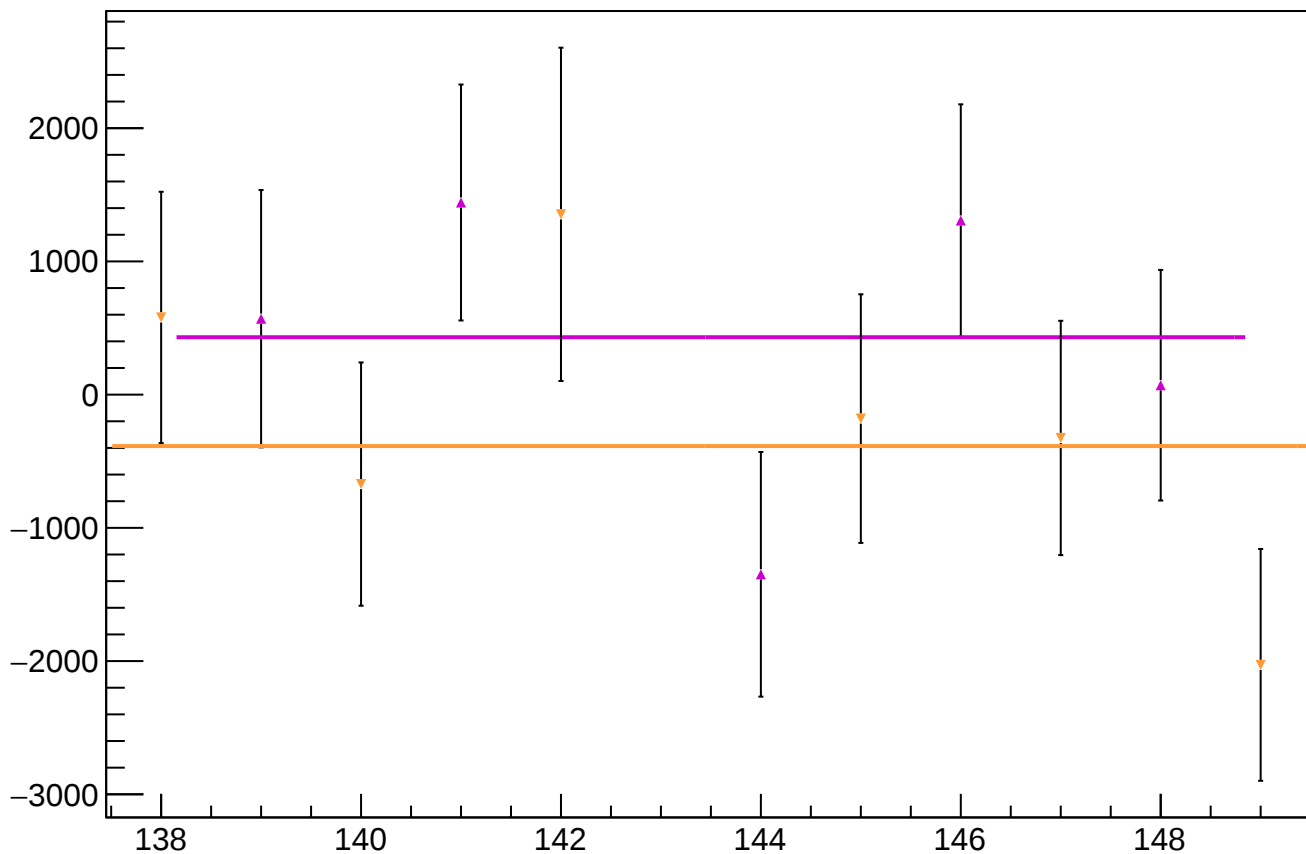
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 805.535+/-0.286 χ^2/NDF : 5063.4/4

806.240+/-0.274 χ^2/NDF : 5450.4/5

805.535+/-0.286 χ^2/NDF : 5063.4/4

cor_asym_us_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -386.199+/-385.592 χ^2/NDF : 6.7/5

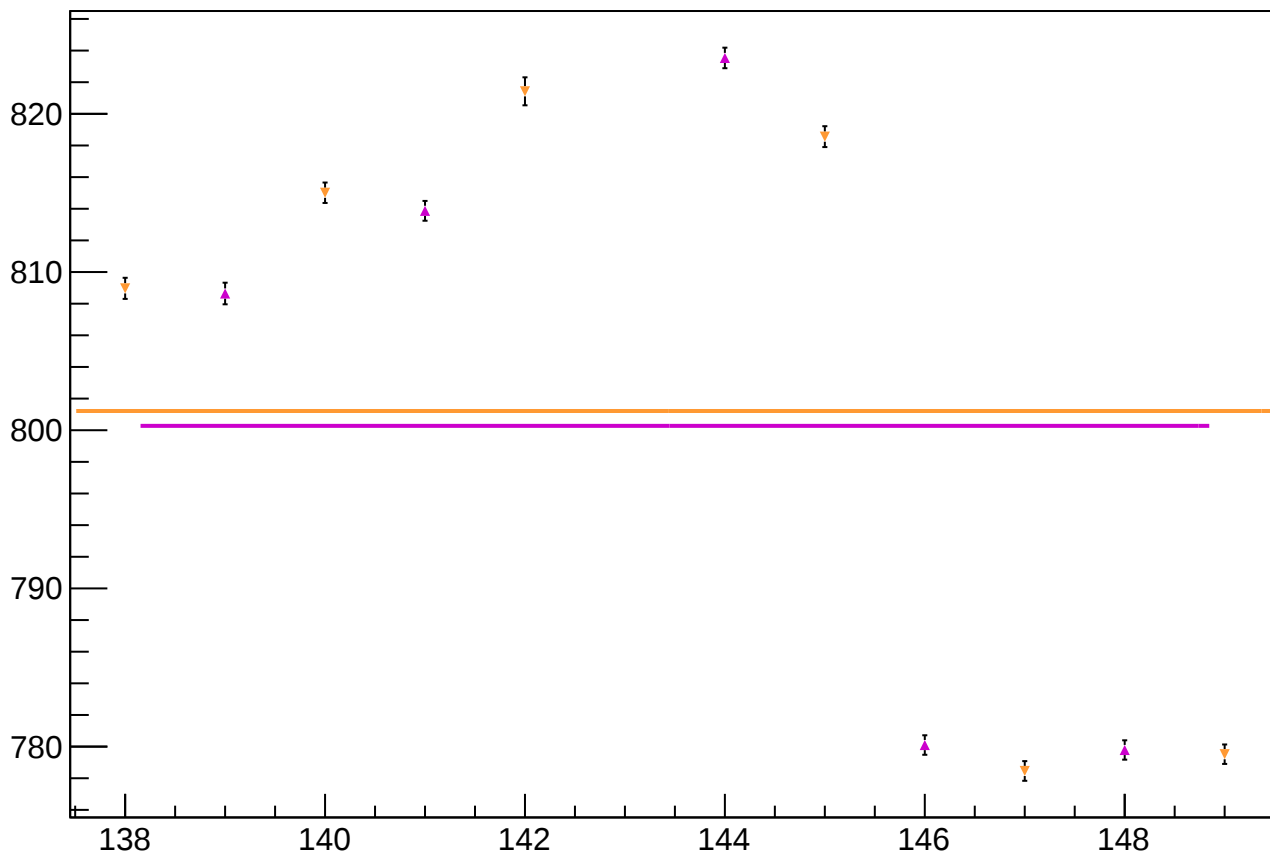
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 430.799+/-402.156 χ^2/NDF : 6.3/4

-386.199+/-385.592 χ^2/NDF : 6.7/5

430.799+/-402.156 χ^2/NDF : 6.3/4

cor_asym_us_dd_rms vs Slug



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

Left Out: 801.216 $\pm$ 0.273 χ^2 /NDF:4388.0/5

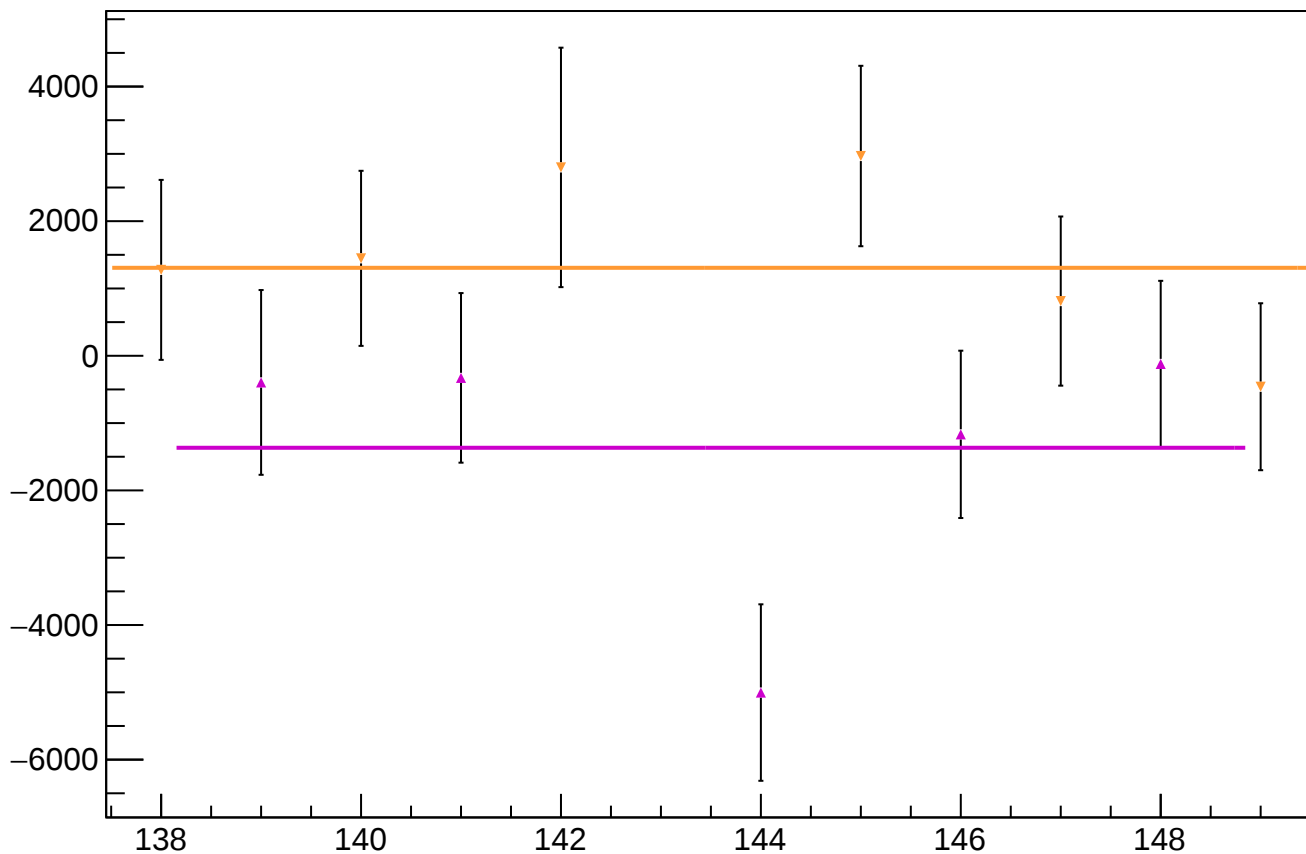
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 800.276 $\pm$ 0.284 χ^2 /NDF:4095.9/4

801.216 $\pm$ 0.273 χ^2 /NDF: 4388.0/5

800.276 $\pm$ 0.284 χ^2 /NDF: 4095.9/4

cor_asym_usl_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1307.104+/-549.900 χ^2/NDF : 4.4/5

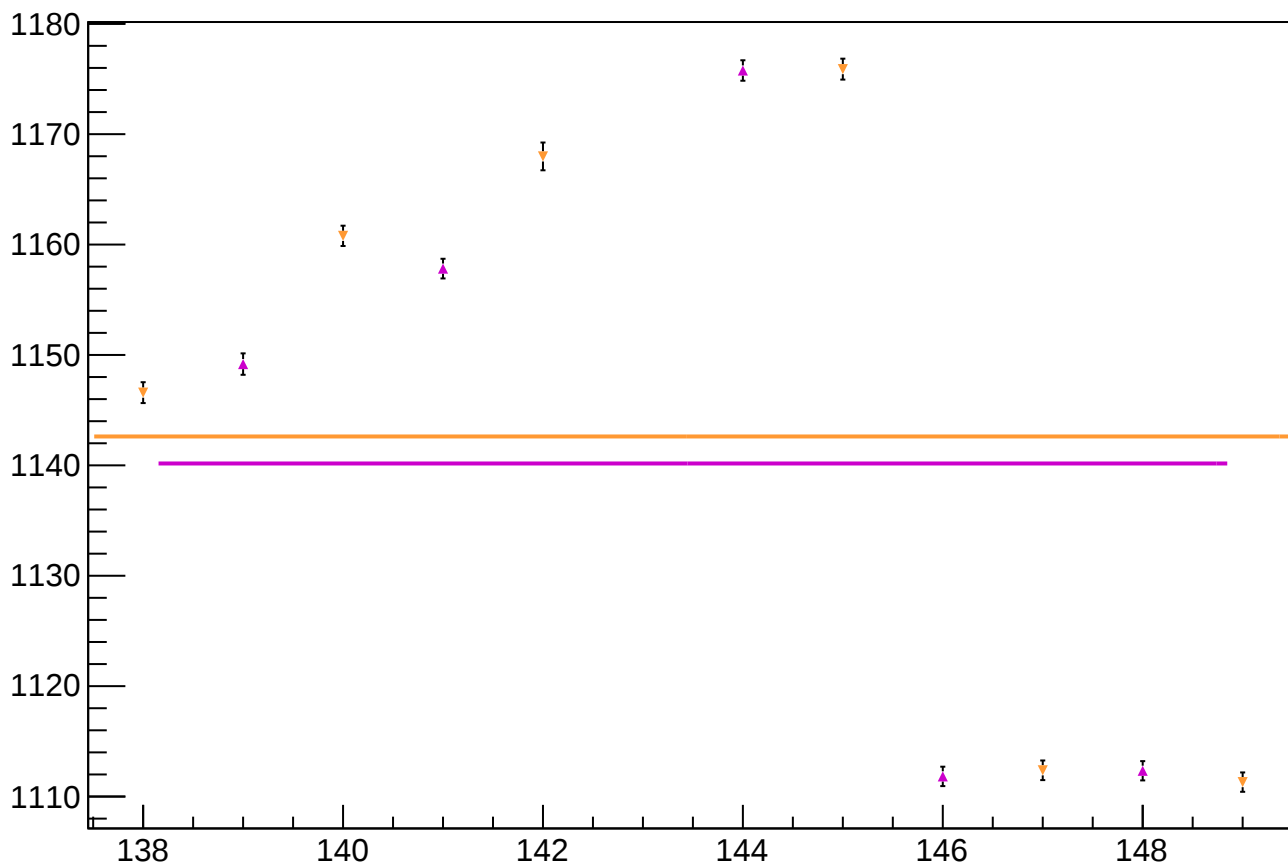
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1366.581+/-572.967 χ^2/NDF : 9.9/4

1307.104+/-549.900 χ^2/NDF : 4.4/5

-1366.581+/-572.967 χ^2/NDF : 9.9/4

cor_asym_usl_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1142.616+/-0.389 χ^2/NDF : 4480.6/5

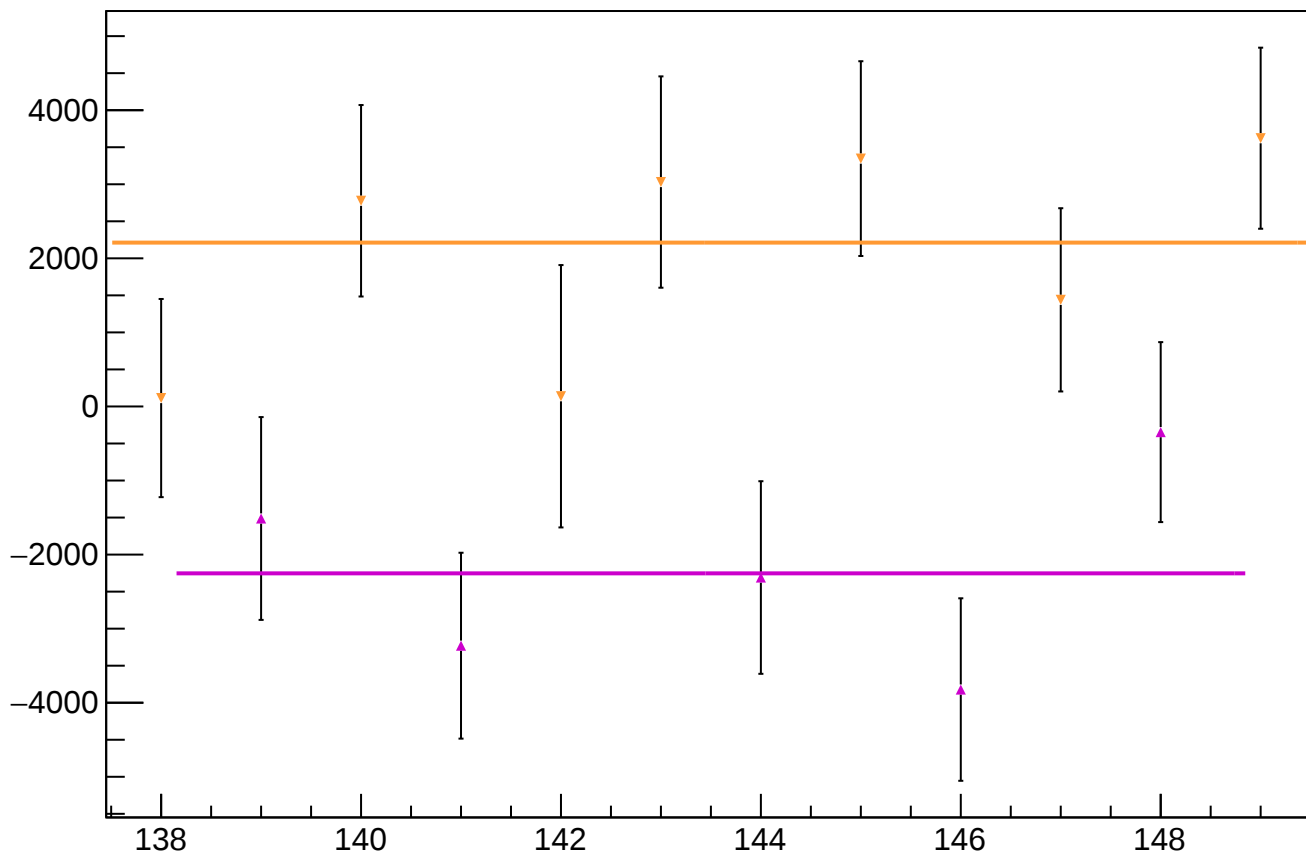
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1140.170+/-0.405 χ^2/NDF : 4009.9/4

1142.616+/-0.389 χ^2/NDF : 4480.6/5

1140.170+/-0.405 χ^2/NDF : 4009.9/4

cor_asym_usr_mean vs Slug



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

Left Out: 2212.381 $\pm$ 508.421 χ^2 /NDF: 6.8/6

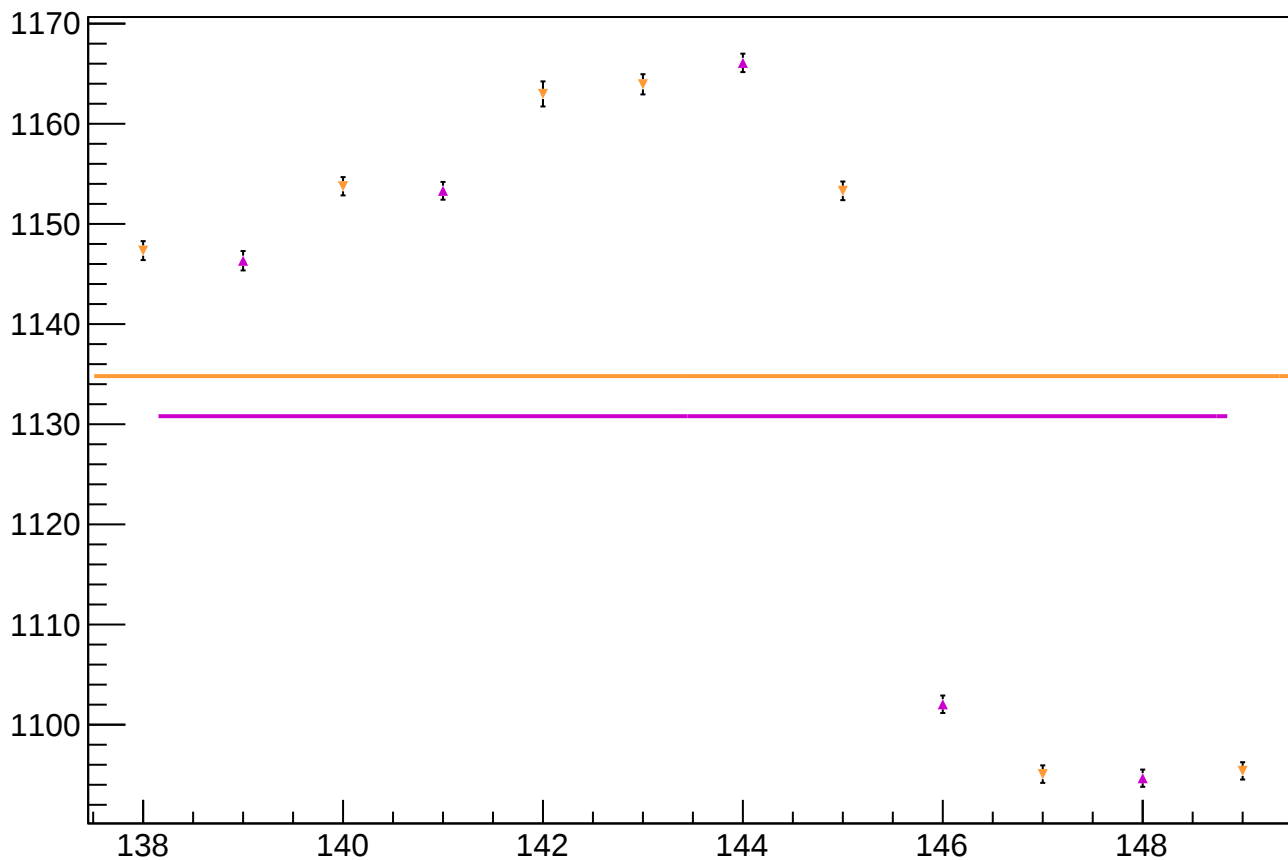
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -2253.242 $\pm$ 568.303 χ^2 /NDF: 5.0/4

2212.381 $\pm$ 508.421 χ^2 /NDF: 6.8/6

-2253.242 $\pm$ 568.303 χ^2 /NDF: 5.0/4

cor_asym_usr_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1134.804+/-0.360 χ^2/NDF : 6485.4/6

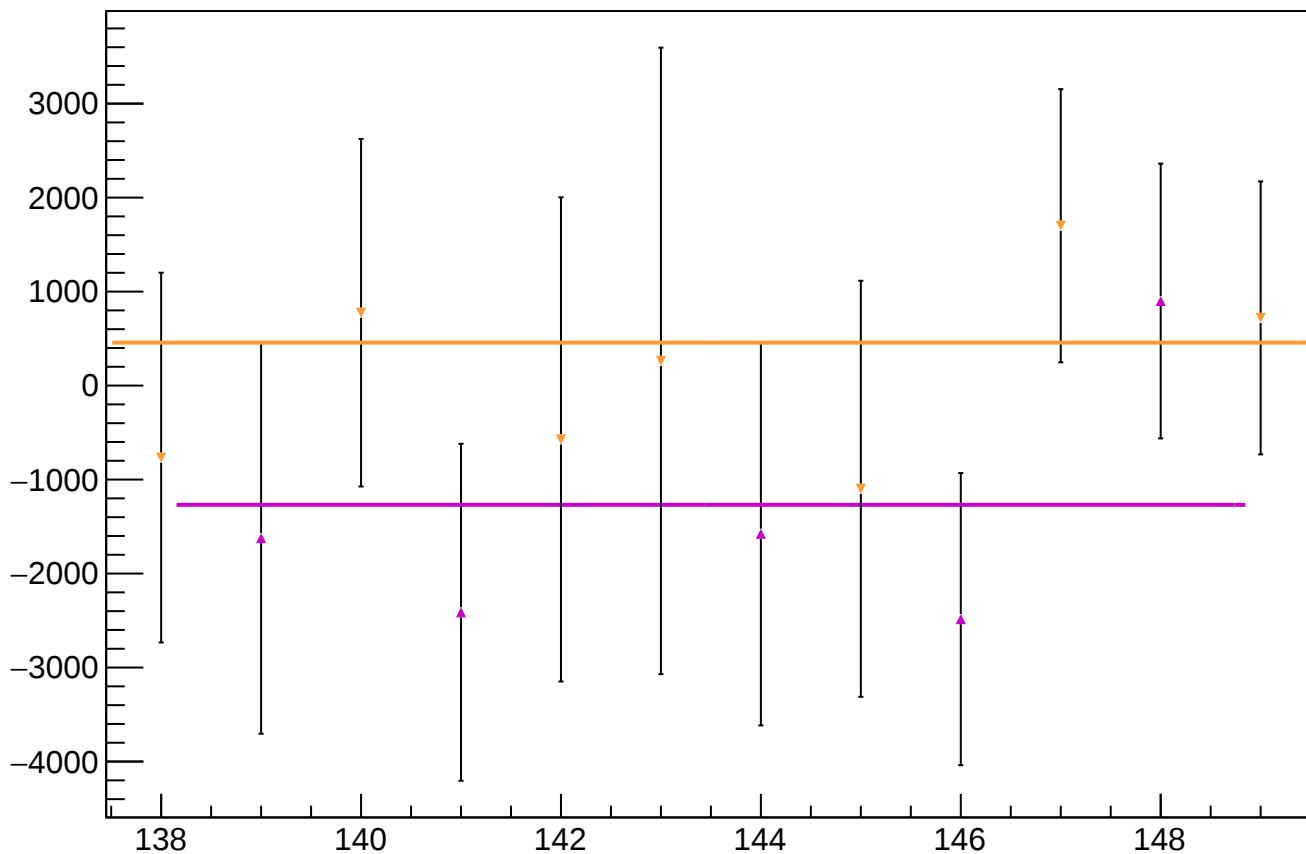
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1130.803+/-0.402 χ^2/NDF : 5233.1/4

1134.804+/-0.360 χ^2/NDF : 6485.4/6

1130.803+/-0.402 χ^2/NDF : 5233.1/4

asym_us_agg_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 457.374+/-717.239 χ^2/NDF : 1.8/6

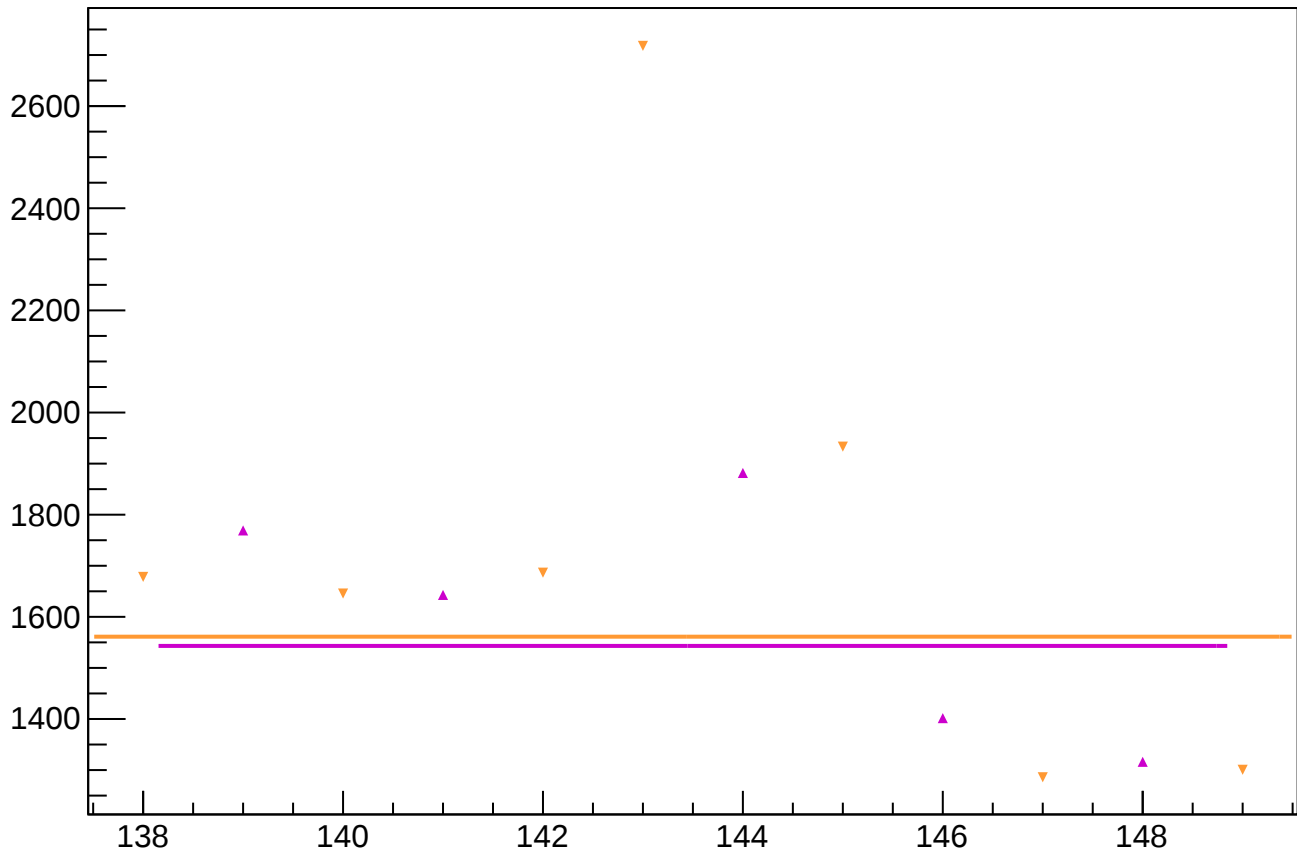
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1268.696+/-775.088 χ^2/NDF : 3.3/4

457.374+/-717.239 χ^2/NDF : 1.8/6

-1268.696+/-775.088 χ^2/NDF : 3.3/4

asym_us_agg_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1561.157+/-0.507 χ^2/NDF : 449688.1/6

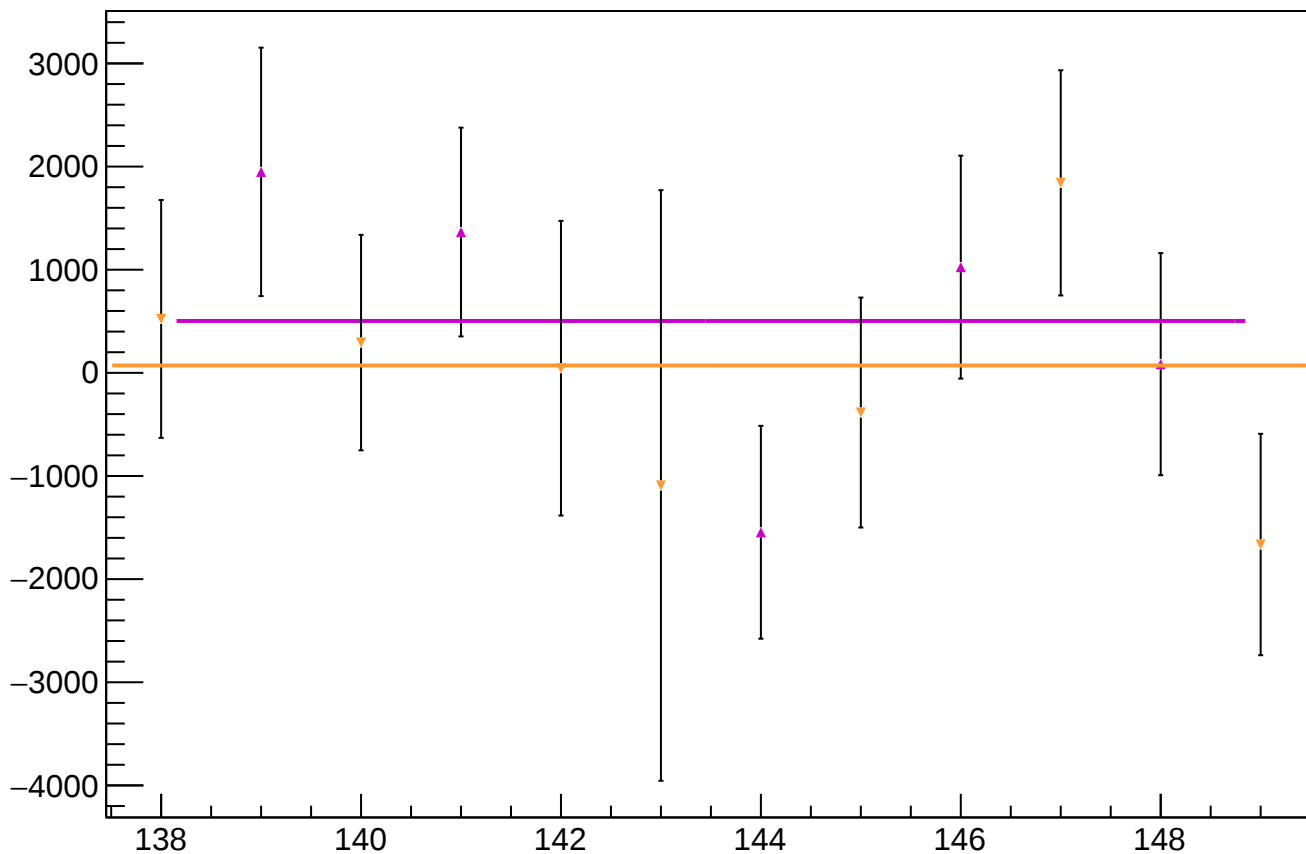
1561.157+/-0.507 χ^2/NDF : 449688.1/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

1543.077+/-0.548 χ^2/NDF : 149726.5/4

Left In: 1543.077+/-0.548 χ^2/NDF : 149726.5/4

asym_us_agg_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 71.364+/-456.793 χ^2/NDF : 5.8/6

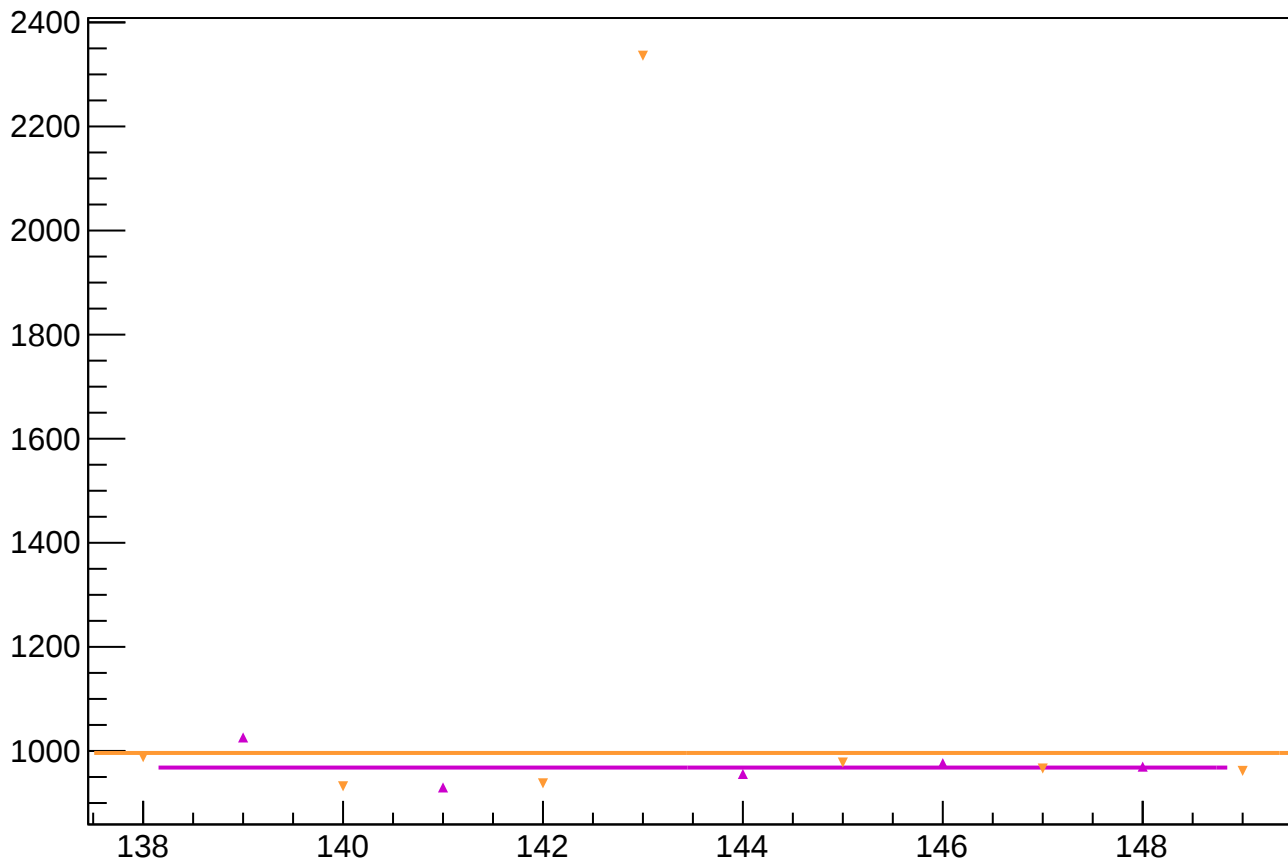
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 503.113+/-480.926 χ^2/NDF : 6.5/4

71.364+/-456.793 χ^2/NDF : 5.8/6

503.113+/-480.926 χ^2/NDF : 6.5/4

asym_us_agg_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 996.183+/-0.323 χ^2/NDF : 452962.9/6

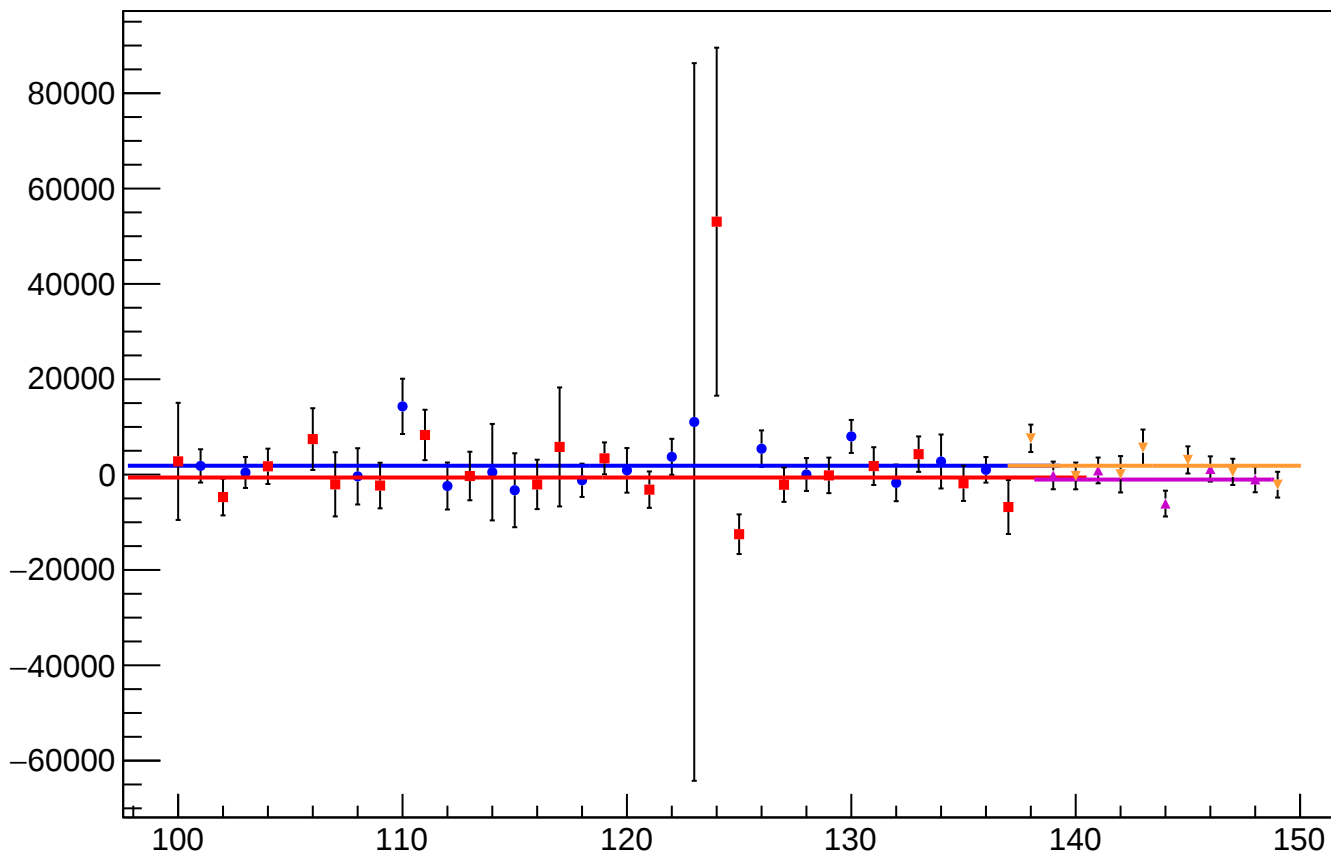
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 968.102+/-0.340 χ^2/NDF : 7878.6/4

996.183+/-0.323 χ^2/NDF : 452962.9/6

968.102+/-0.340 χ^2/NDF : 7878.6/4

reg_asym_atl1_mean vs Slug



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

Left Out: 1857.913+/-1134.115 χ^2/NDF : 8.3/6

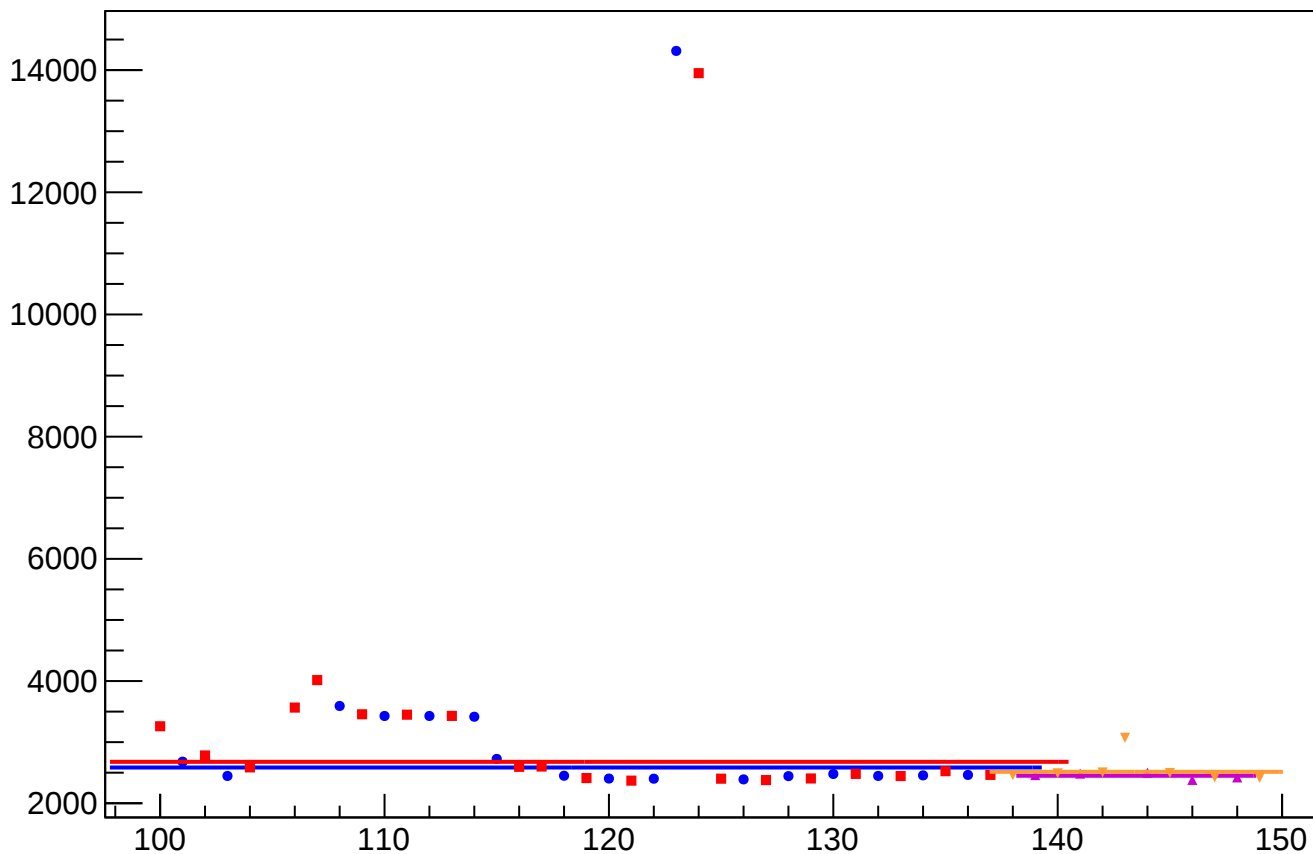
Right Out: -611.041+/-1020.345 χ^2/NDF : 22.3/19

Left In: -1039.598+/-1220.716 χ^2/NDF : 4.8/4

1858.944+/-755.685 χ^2/NDF : 20.9/23

-787.307+/-782.878 χ^2/NDF : 27.2/24

reg_asym_atl1_rms vs Slug



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

Left Out: 2514.409+/-0.802 χ^2/NDF : 48597.7/6

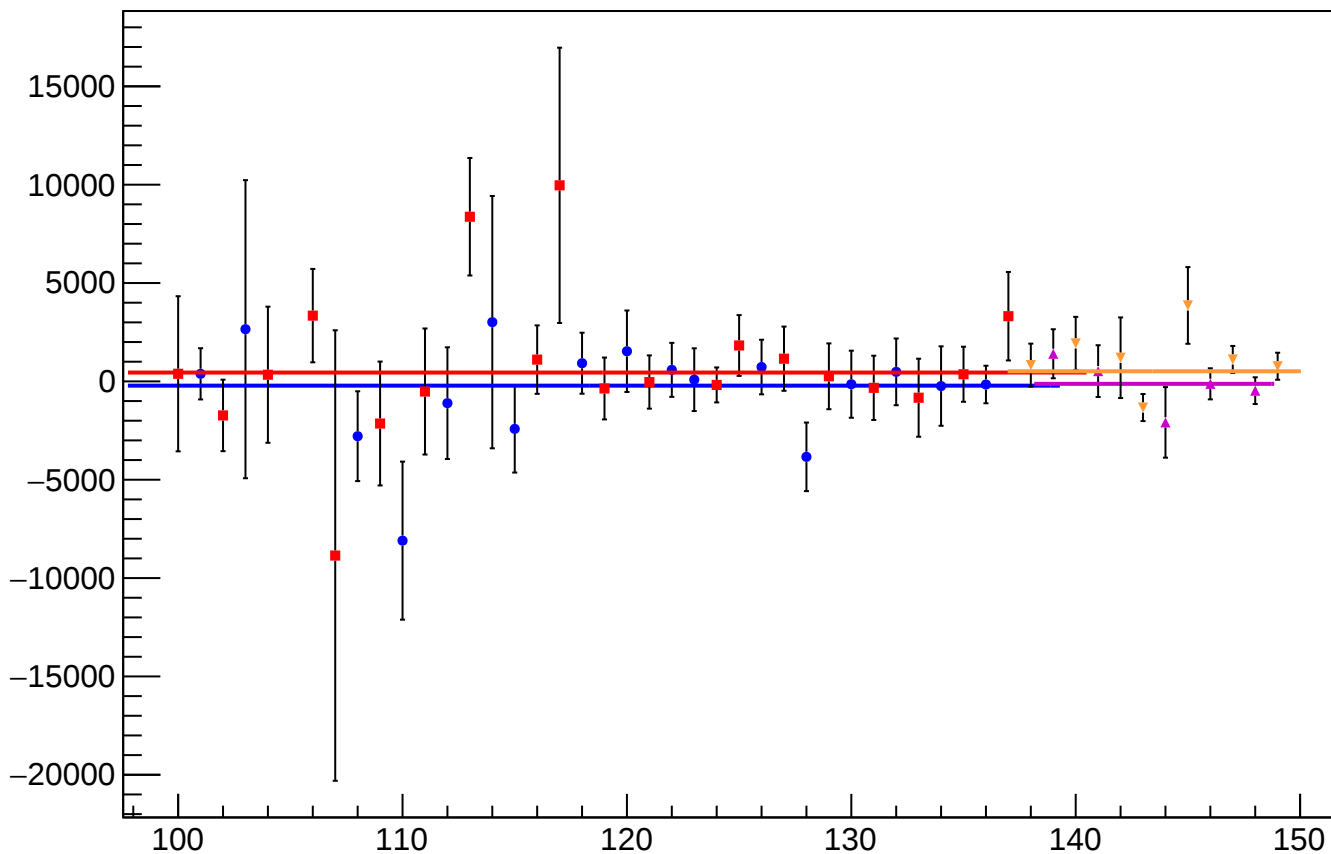
Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

Left In: 2449.719+/-0.863 χ^2/NDF : 2580.8/4

2553.558+/-0.534 χ^2/NDF : 308594.3/23

2583.938+/-0.554 χ^2/NDF : 575825.1/24

asym_atl1_correction_mean vs Slug



Right In: -217.017 ± 420.077 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 513.984 ± 348.277 $\chi^2/\text{NDF}: 12.3/6$

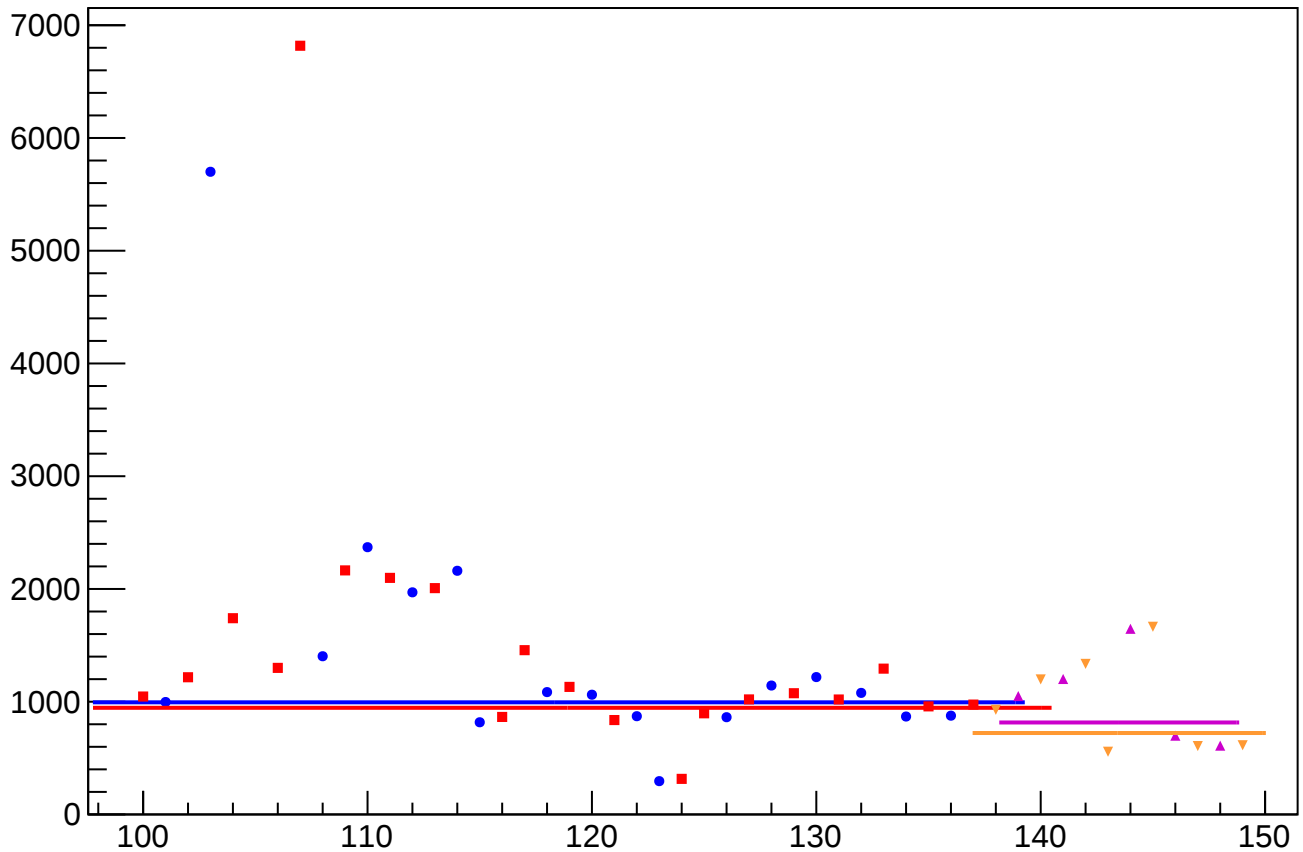
Right Out: 449.702 ± 408.279 $\chi^2/\text{NDF}: 17.5/19$

Left In: -125.037 ± 434.506 $\chi^2/\text{NDF}: 3.2/4$

216.202 ± 268.114 $\chi^2/\text{NDF}: 27.5/23$

180.200 ± 297.537 $\chi^2/\text{NDF}: 21.7/24$

asym_atl1_correction_rms vs Slug



Right In: 994.541 $\pm$ 0.297 χ^2 /NDF: 1904549.2/16

Left Out: 722.389 $\pm$ 0.246 χ^2 /NDF:1189235.1/6

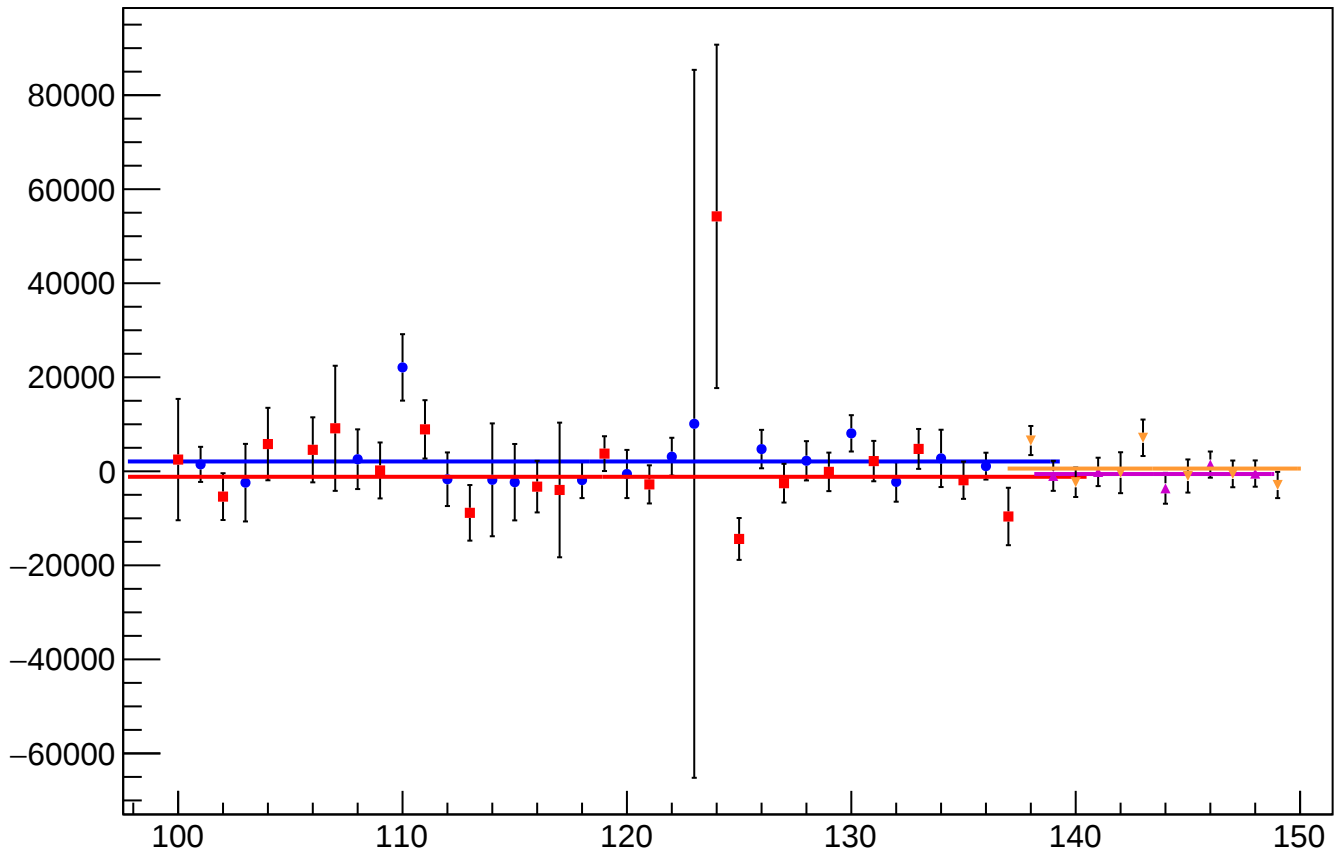
Right Out: 946.032 $\pm$ 0.289 χ^2 /NDF: 2676710.2/19

Left In: 815.788 $\pm$ 0.307 χ^2 /NDF:898411.7/4

833.253 $\pm$ 0.190 χ^2 /NDF: 3591275.0/23

884.959 $\pm$ 0.210 χ^2 /NDF: 3670559.5/24

asym_atl1_mean vs Slug



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

Left Out: 582.122+/-1232.522 χ^2/NDF : 9.4/6

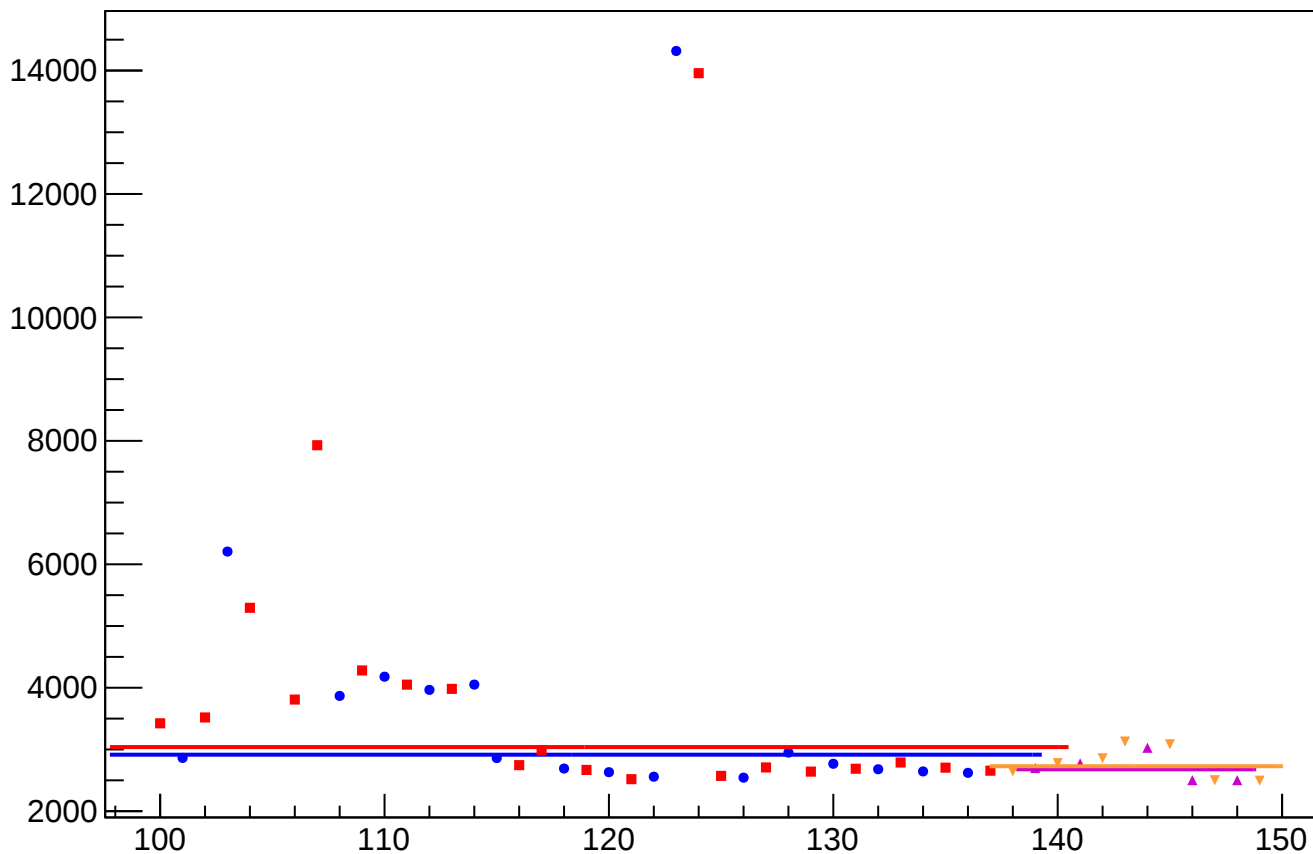
1383.597+/-844.883 χ^2/NDF : 24.8/23

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

-909.356+/-886.291 χ^2/NDF : 26.7/24

Left In: -579.617+/-1338.161 χ^2/NDF : 1.4/4

asym_atl1_rms vs Slug



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

Left Out: 2728.252+/-0.872 χ^2 /NDF: 72119.6/6

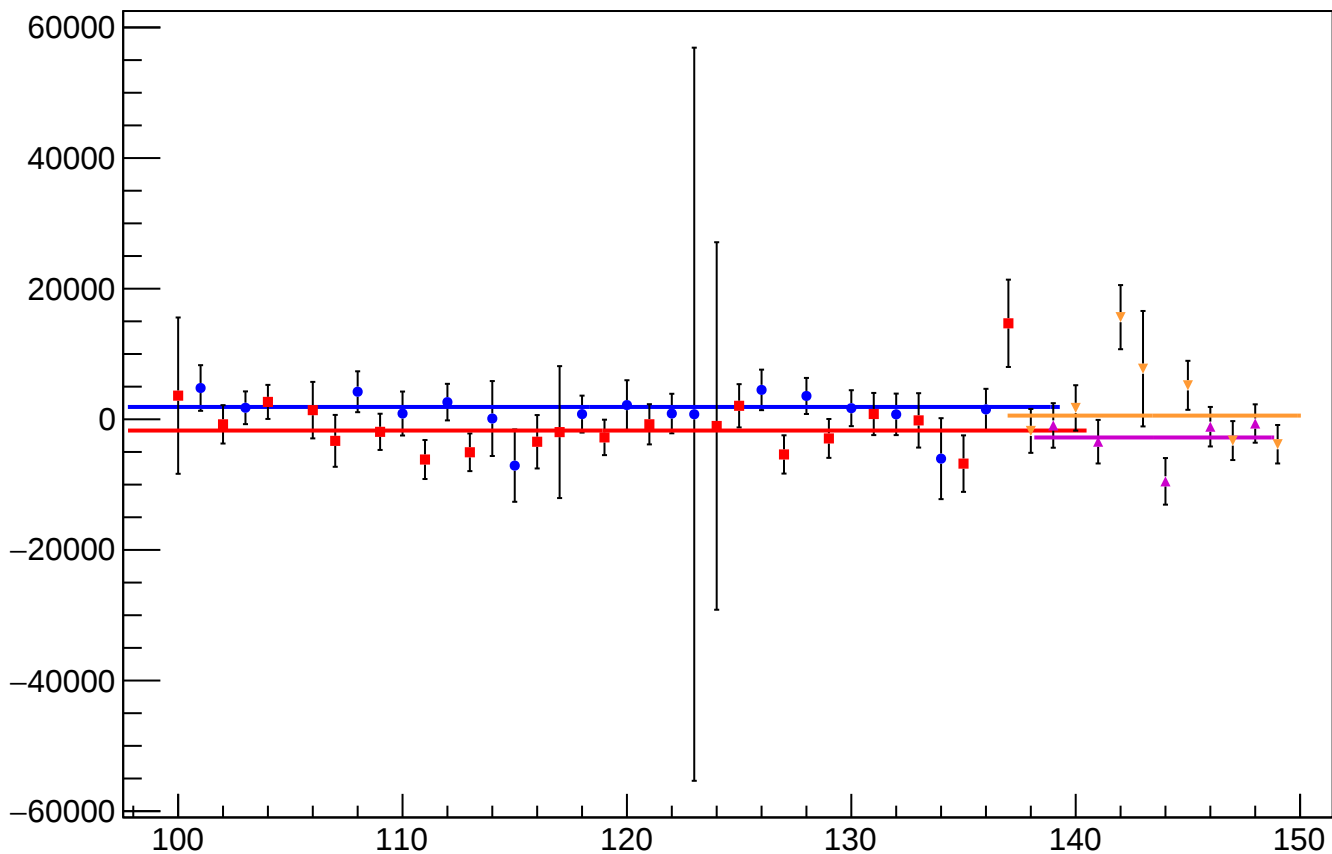
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

Left In: 2678.358+/-0.946 χ^2 /NDF: 40627.8/4

2827.354+/-0.597 χ^2 /NDF: 735647.9/23

2880.665+/-0.627 χ^2 /NDF: 1133475.9/24

reg_asym_atl2_mean vs Slug



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

Left Out: 566.833+/-1380.799 χ^2/NDF : 16.1/6

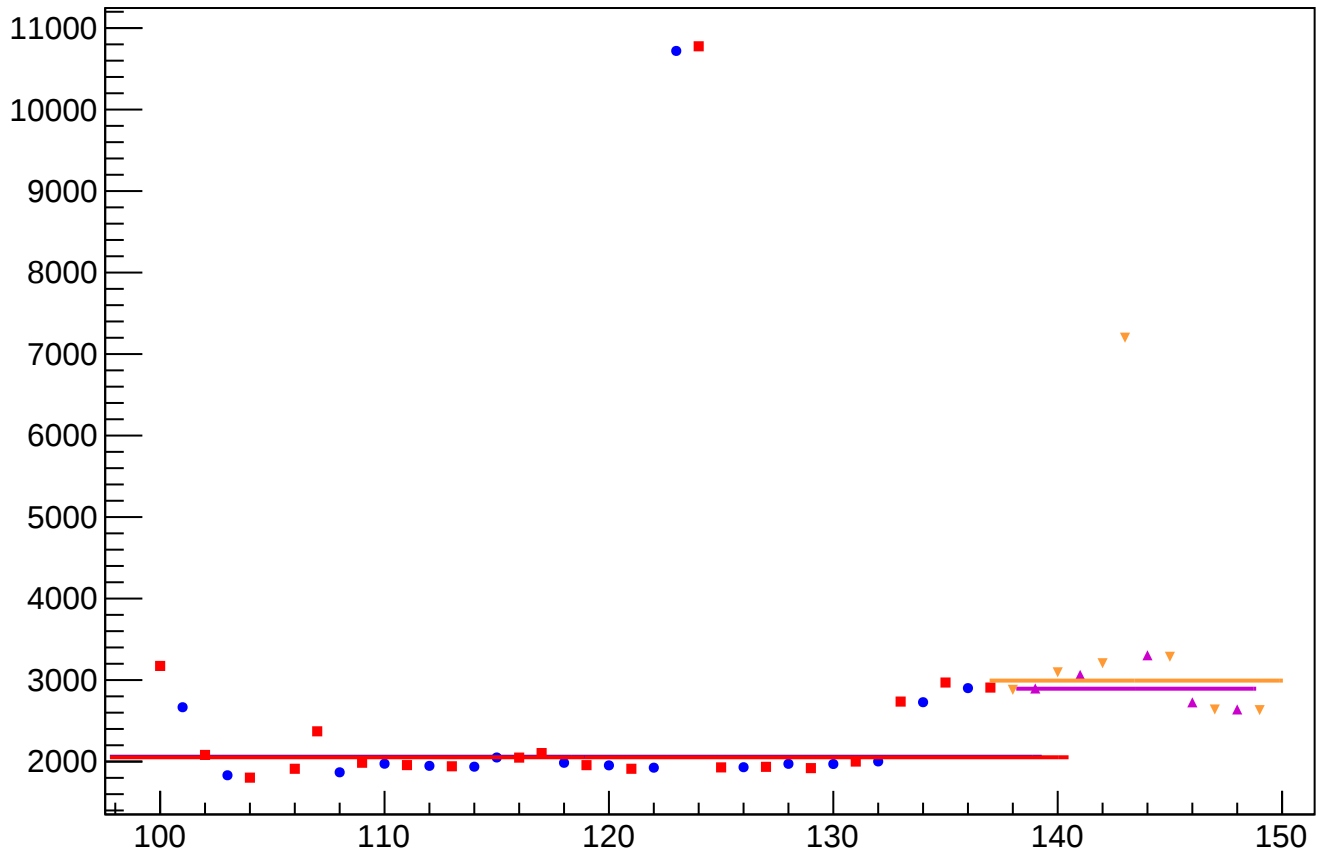
Right Out: -1720.591+/-787.704 χ^2/NDF : 19.0/19

Left In: -2782.783+/-1444.178 χ^2/NDF : 4.7/4

1550.312+/-699.578 χ^2/NDF : 24.0/23

-1964.137+/-691.528 χ^2/NDF : 24.1/24

reg_asym_atl2_rms vs Slug



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

Left Out: 2993.523+/-0.976 χ^2/NDF : 531775.7/6

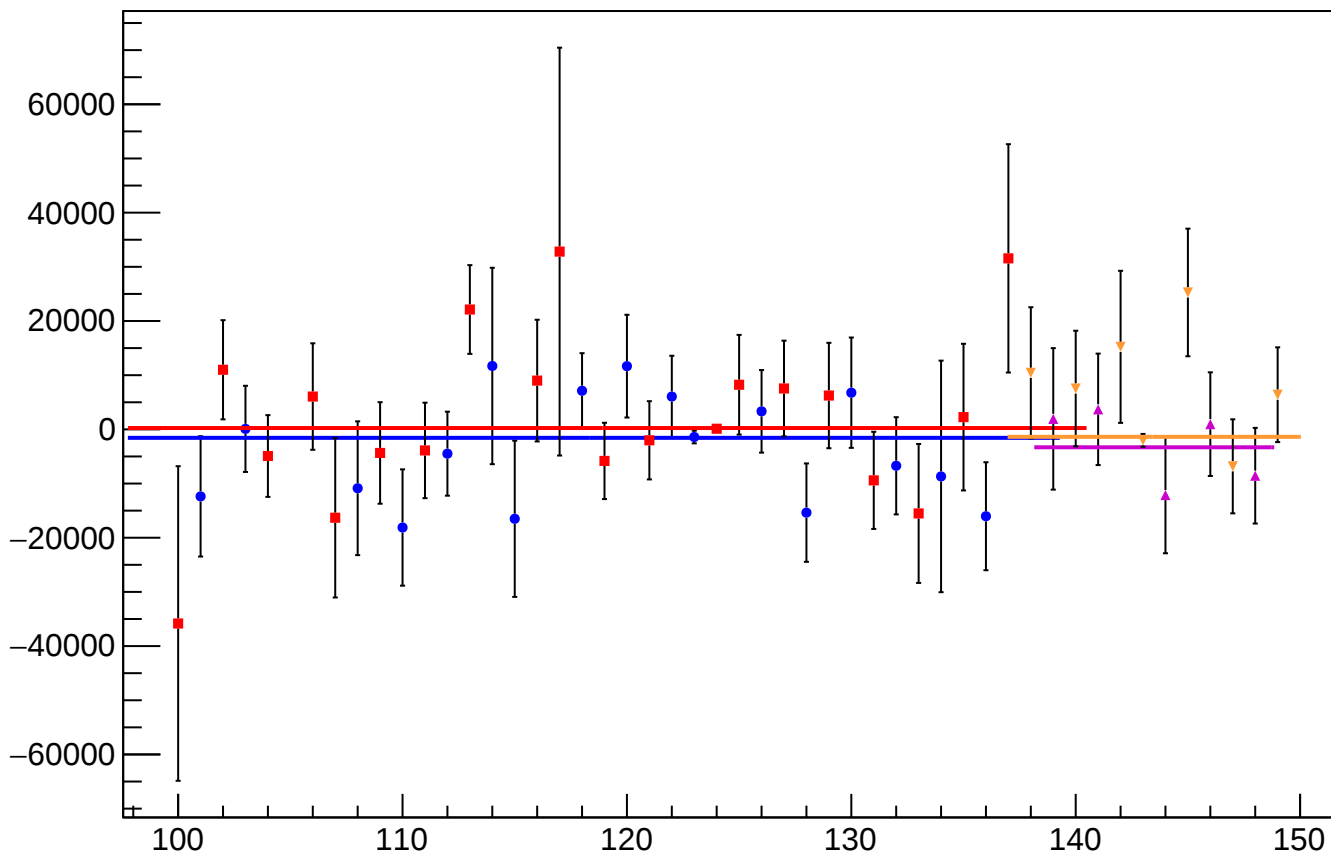
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

Left In: 2894.072+/-1.021 χ^2/NDF : 52731.6/4

2298.857+/-0.495 χ^2/NDF : 1531346.0/23

2245.518+/-0.489 χ^2/NDF : 1019449.8/24

asym_atl2_correction_mean vs Slug



Right In: -1563.218 ± 1053.946 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -1375.648 ± 1140.181 $\chi^2/\text{NDF}: 9.7/6$

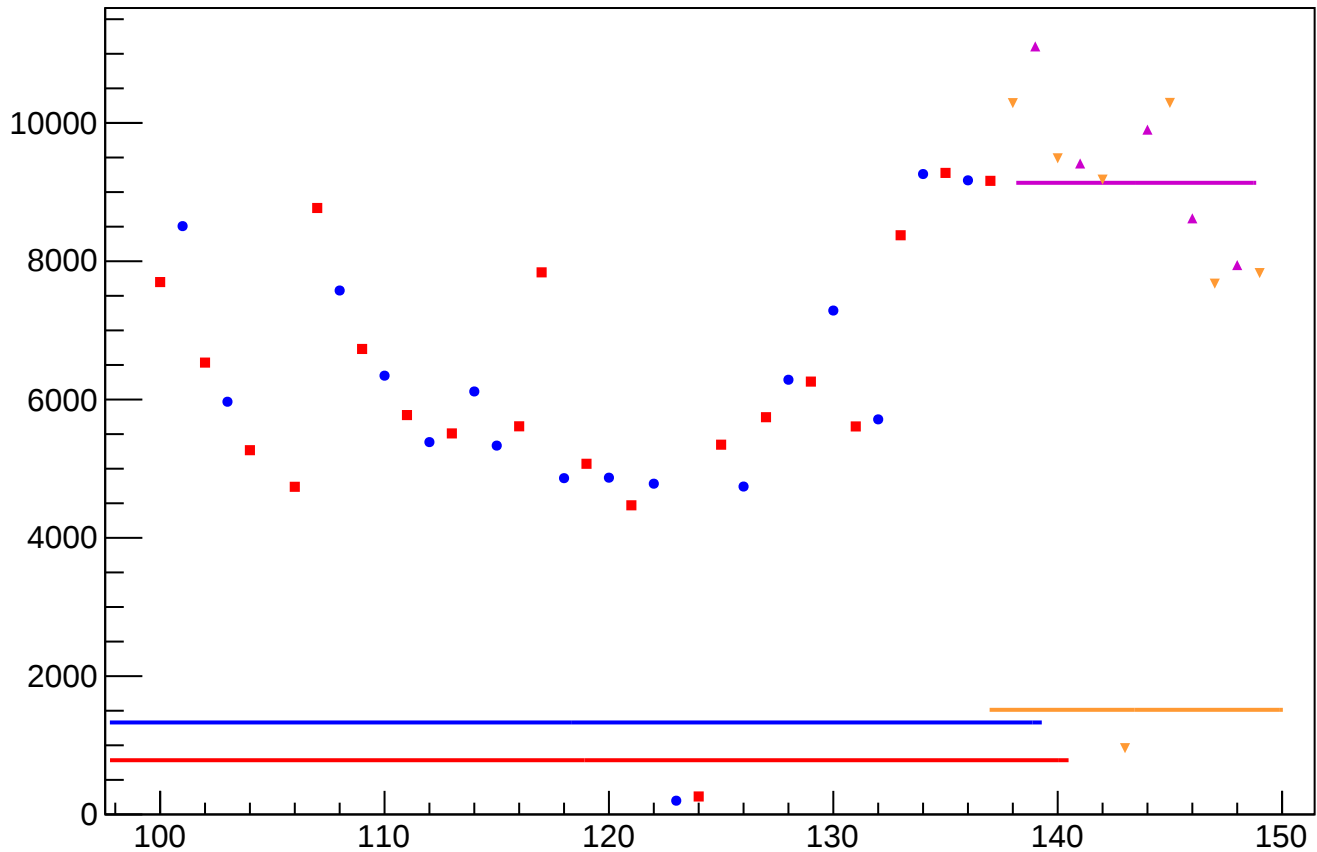
Right Out: 247.306 ± 695.049 $\chi^2/\text{NDF}: 21.6/19$

Left In: -3307.880 ± 4577.078 $\chi^2/\text{NDF}: 1.9/4$

-1476.794 ± 773.945 $\chi^2/\text{NDF}: 25.9/23$

167.172 ± 687.171 $\chi^2/\text{NDF}: 24.0/24$

asym_atl2_correction_rms vs Slug



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

Left Out: 1513.140+/-0.806 χ^2 /NDF: 6366273.1/6

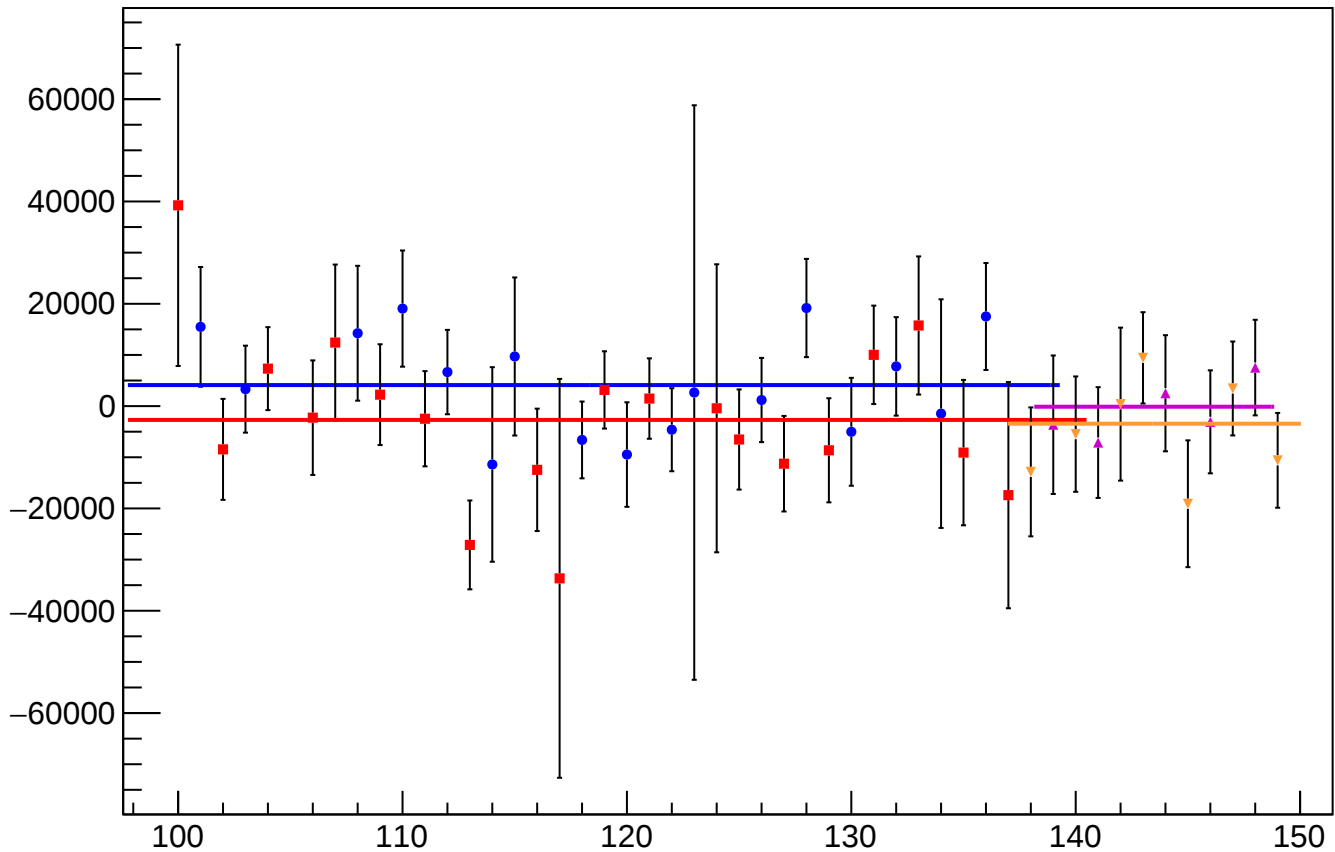
Right Out: 784.254+/-0.491 χ^2 /NDF: 11510186.9/19

Left In: 9134.211+/-3.236 χ^2 /NDF: 99446.1/4

1414.518+/-0.547 χ^2 /NDF: 16440851.1/23

972.462+/-0.486 χ^2 /NDF: 18115732.6/24

asym_atl2_mean vs Slug



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

Left Out: -3438.348 ± 4041.377 χ^2/NDF : 5.5/6

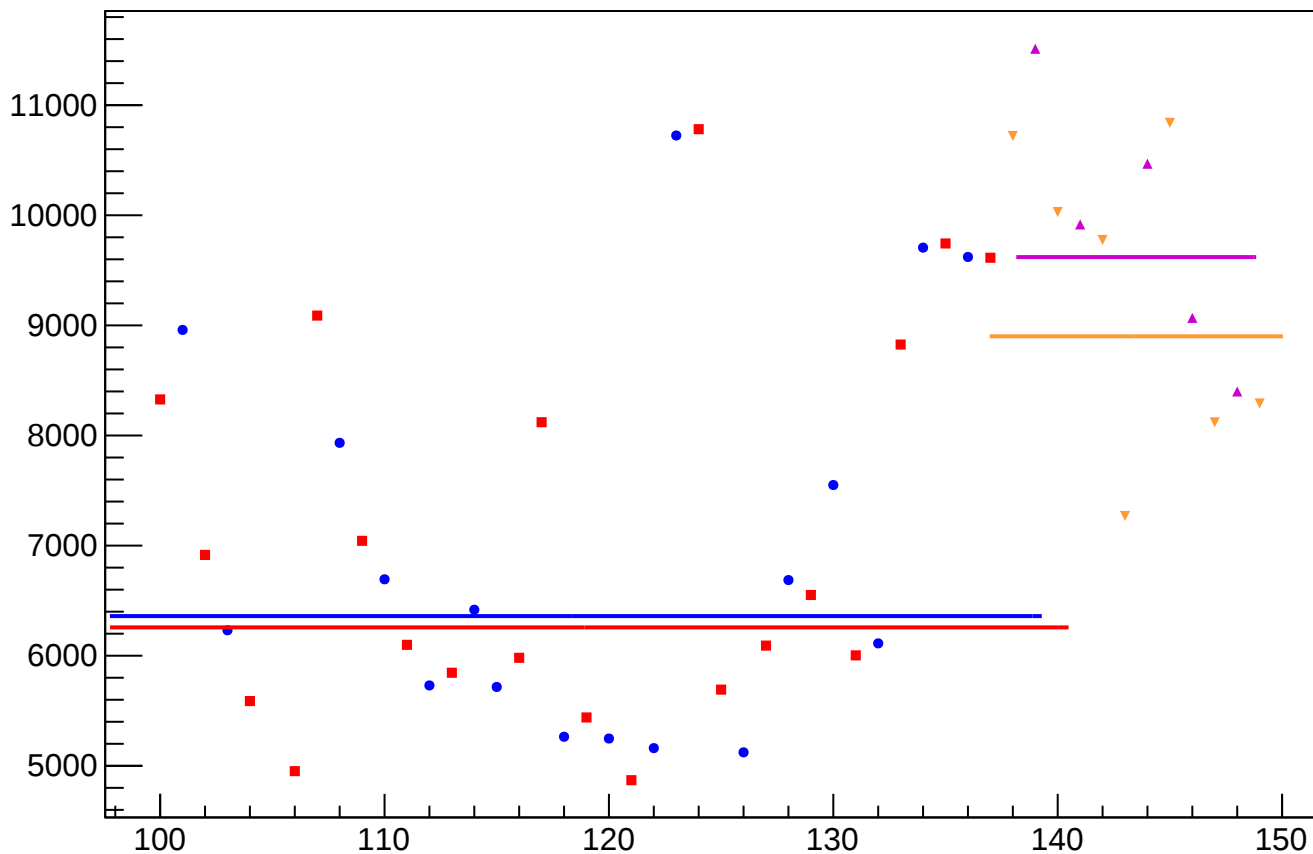
Right Out: -2697.106 ± 2415.828 χ^2/NDF : 20.6/19

Left In: -117.954 ± 4817.458 χ^2/NDF : 1.3/4

1980.598 ± 2147.152 χ^2/NDF : 22.3/23

-2178.843 ± 2159.508 χ^2/NDF : 22.1/24

asym_atl2_rms vs Slug



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

Left Out: 8900.634+/-2.858 χ^2/NDF : 207508.8/6

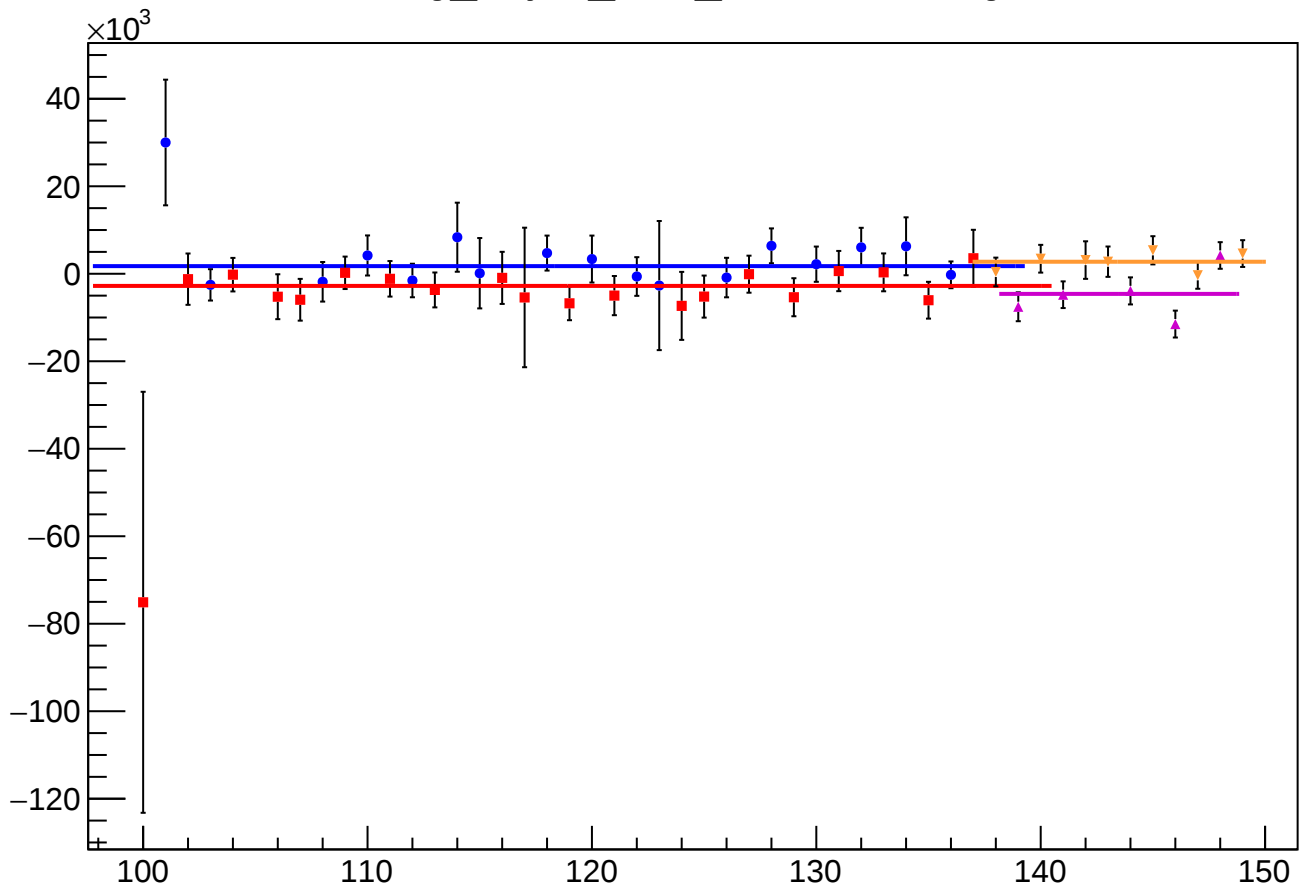
Right Out: 6257.232+/-1.708 χ^2/NDF : 537553.3/19

Left In: 9620.285+/-3.406 χ^2/NDF : 91921.3/4

7077.092+/-1.518 χ^2/NDF : 1355317.4/23

6932.966+/-1.527 χ^2/NDF : 1408312.6/24

reg_asym_atr1_mean vs Slug



Right In: 1746.001 $\pm$ 1128.522 χ^2 /NDF: 12.2/16

Left Out: 2749.668 $\pm$ 1252.441 χ^2 /NDF: 2.6/6

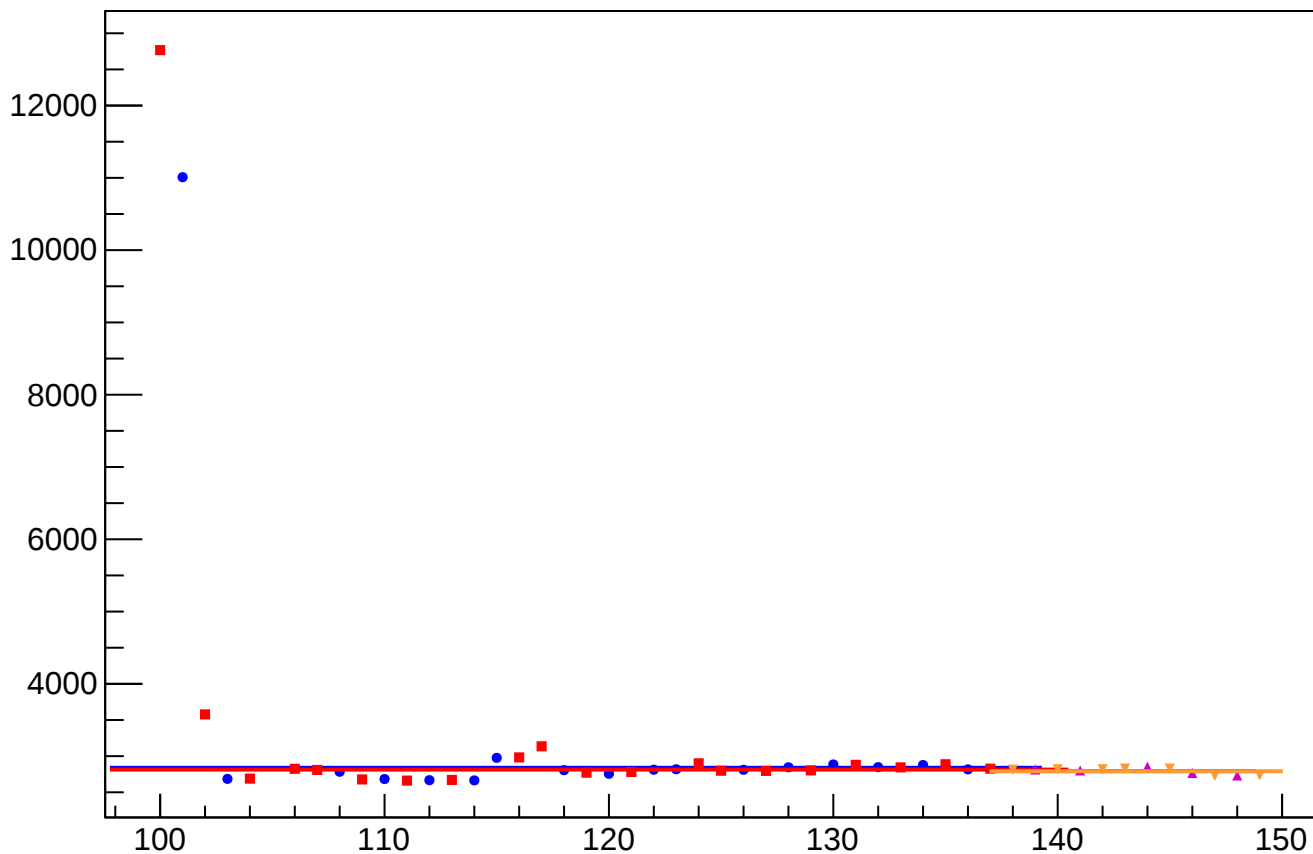
Right Out: -2775.793 $\pm$ 1069.534 χ^2 /NDF: 9.7/19

Left In: -4601.706 $\pm$ 1389.890 χ^2 /NDF: 14.2/4

2195.739 $\pm$ 838.383 χ^2 /NDF: 15.2/23

-3454.880 $\pm$ 847.624 χ^2 /NDF: 25.0/24

reg_asym_atr1_rms vs Slug



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

Left Out: 2791.250+/-0.886 χ^2/NDF : 2357.1/6

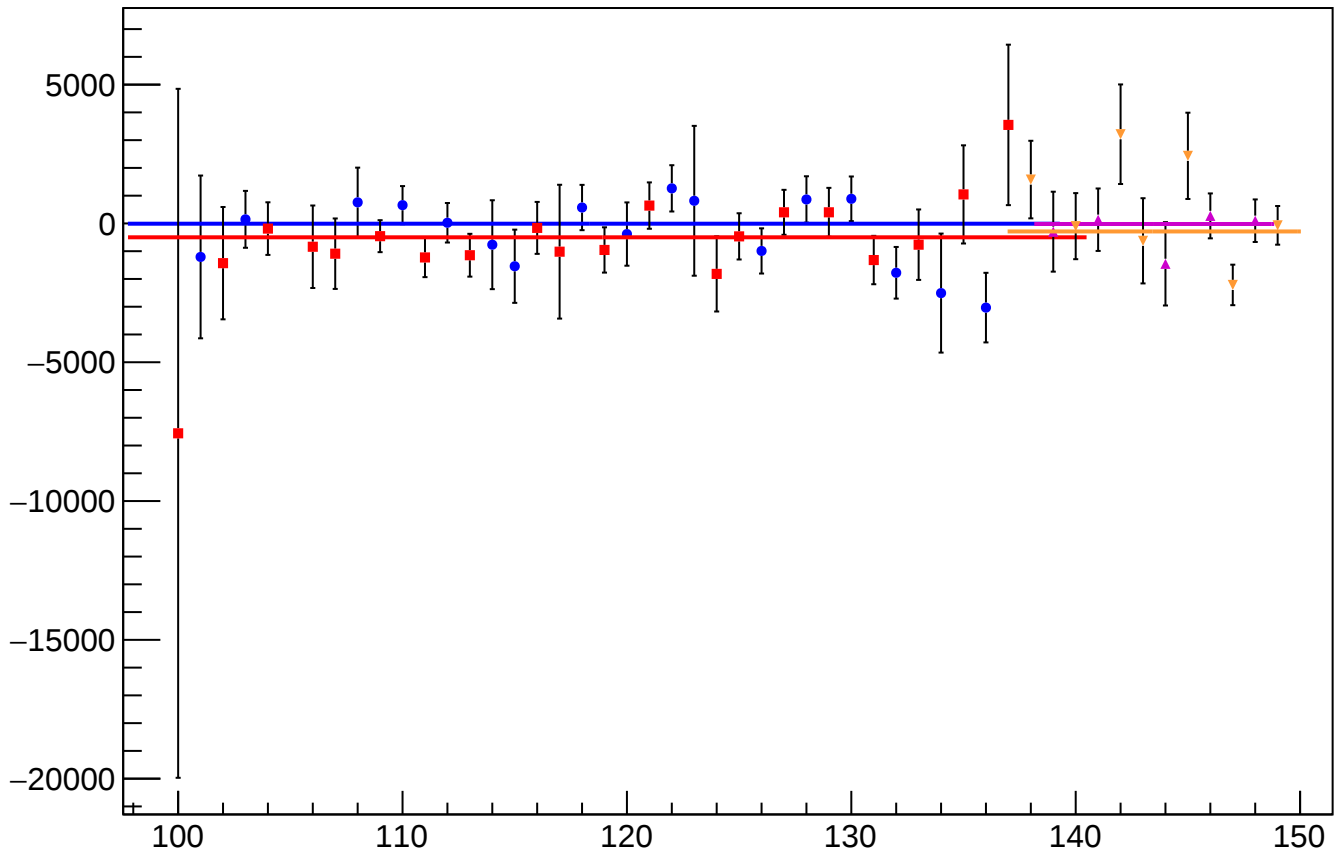
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

Left In: 2793.171+/-0.983 χ^2/NDF : 1834.6/4

2817.459+/-0.593 χ^2/NDF : 664153.2/23

2806.305+/-0.599 χ^2/NDF : 136002.6/24

asym_atr1_correction_mean vs Slug



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

Left Out: -288.780 ± 398.209 χ^2/NDF : 15.8/6

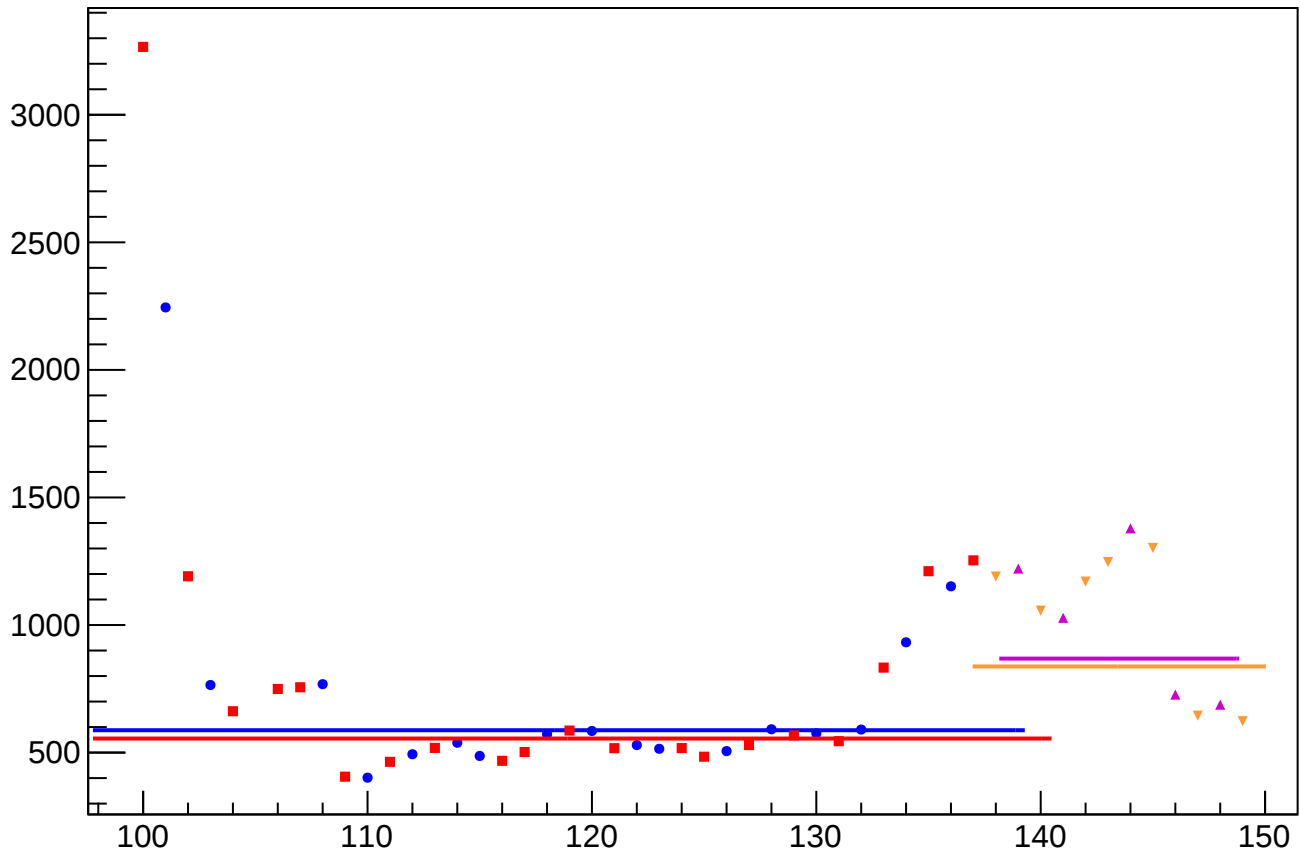
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

Left In: -20.131 ± 449.599 χ^2/NDF : 1.1/4

-84.931 ± 206.605 χ^2/NDF : 36.9/23

-406.616 ± 198.015 χ^2/NDF : 14.0/24

asym_atr1_correction_rms vs Slug



Right In: 587.596+/-0.171 χ^2/NDF : 1425769.6/16

Left Out: 837.615+/-0.282 χ^2/NDF : 914038.1/6

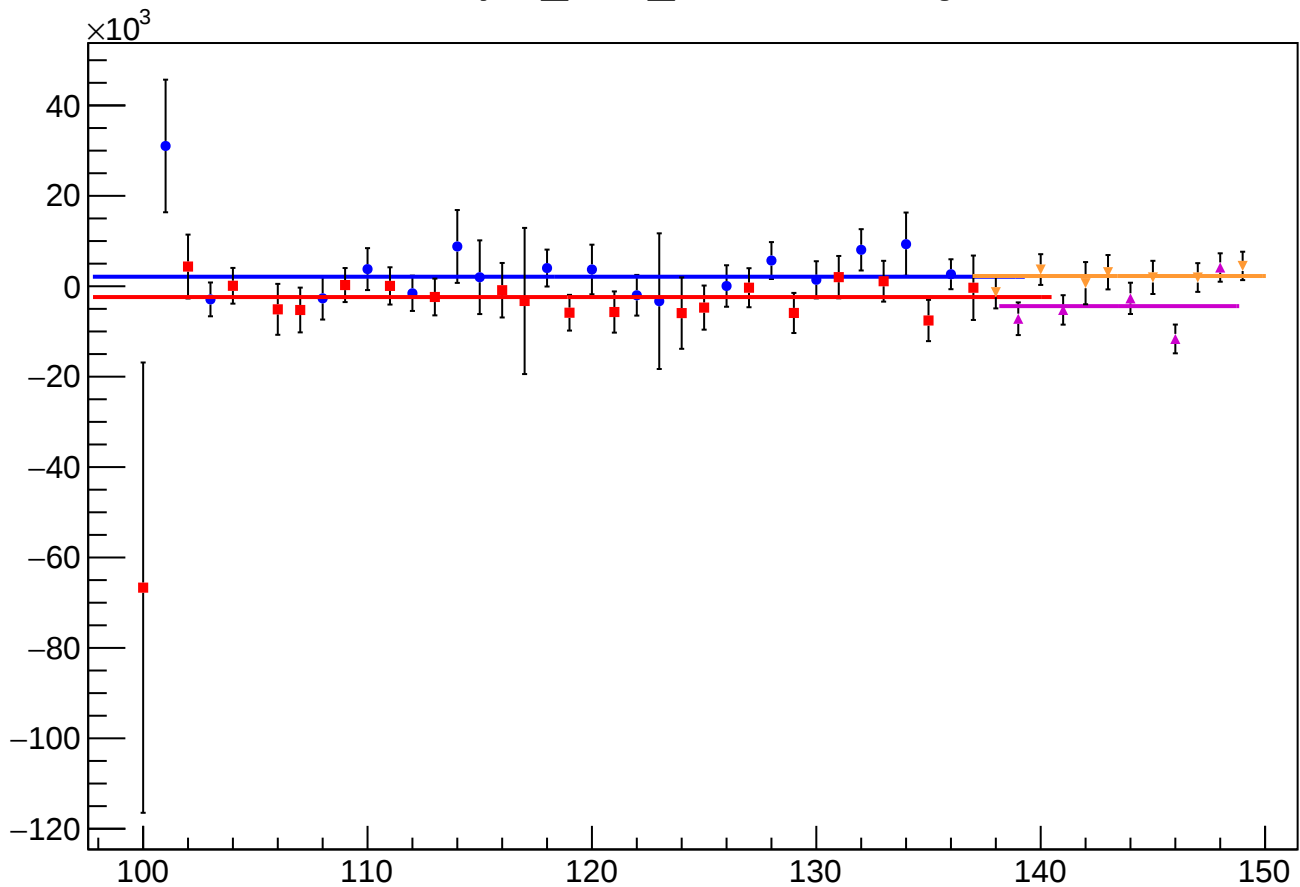
Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

Left In: 868.344+/-0.318 χ^2/NDF : 563883.3/4

654.899+/-0.146 χ^2/NDF : 2915984.8/23

615.851+/-0.140 χ^2/NDF : 2454187.6/24

asym_atr1_mean vs Slug



Right In: 2108.498+/-1164.336 χ^2/NDF : 13.5/16

Left Out: 2265.599+/-1343.016 χ^2/NDF : 1.9/6

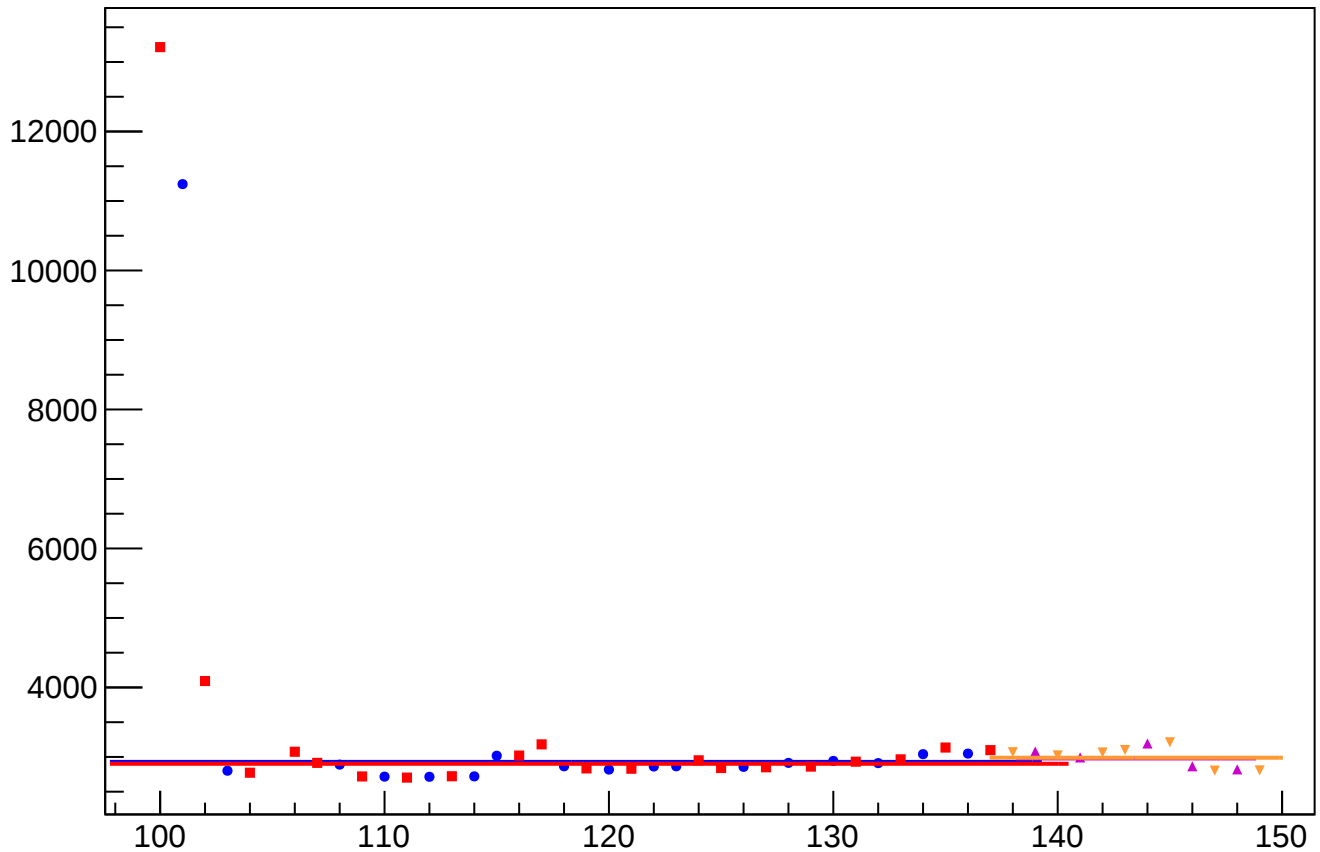
Right Out: -2389.947+/-1107.639 χ^2/NDF : 9.9/19

Left In: -4395.223+/-1483.518 χ^2/NDF : 13.5/4

2175.910+/-879.750 χ^2/NDF : 15.4/23

-3107.690+/-887.545 χ^2/NDF : 24.6/24

asym_atr1_rms vs Slug



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

Left Out: 2988.765+/-0.950 χ^2/NDF :24326.7/6

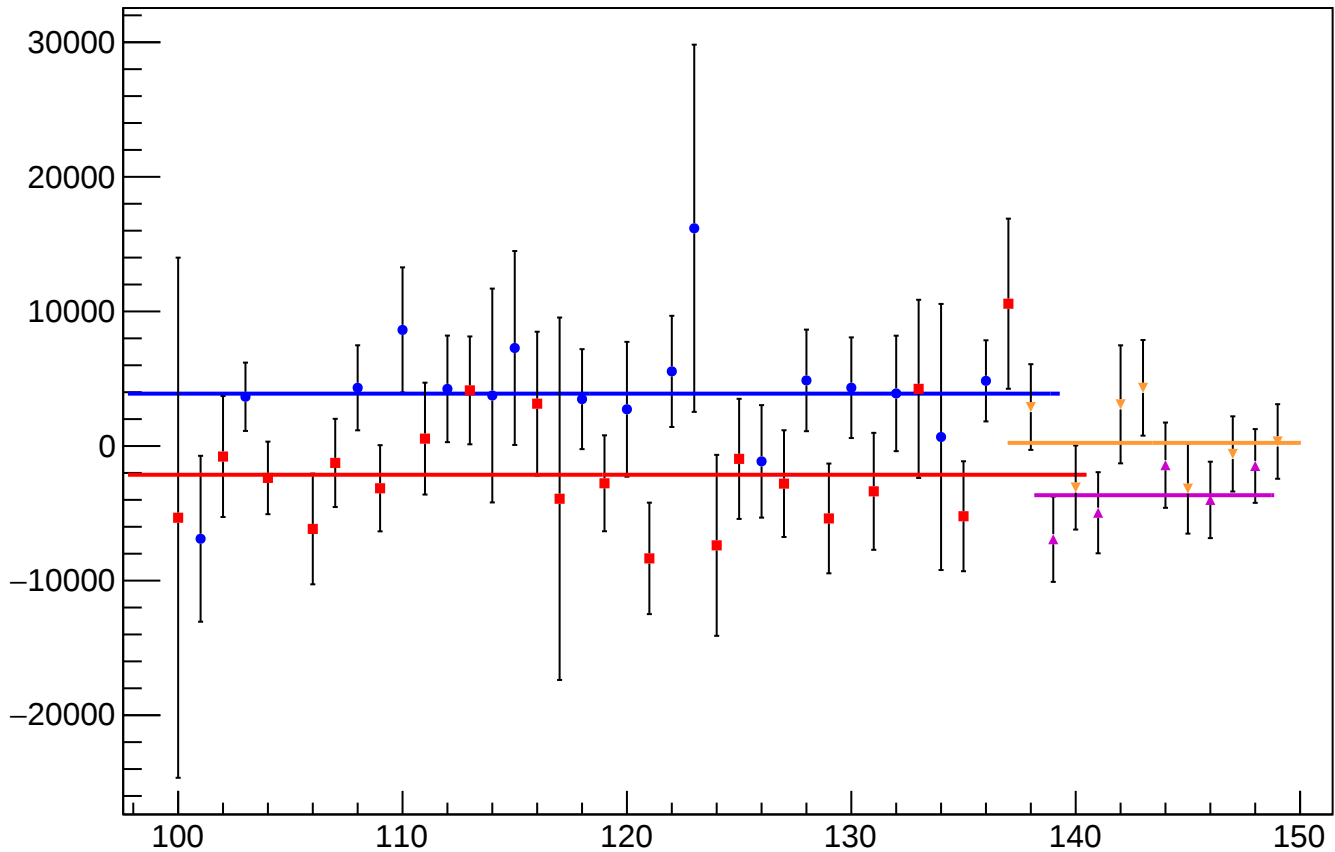
2954.474+/-0.622 χ^2/NDF : 688973.4/23

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

2929.221+/-0.628 χ^2/NDF : 190605.7/24

Left In: 2978.427+/-1.049 χ^2/NDF :16858.0/4

reg_asym_atr2_mean vs Slug



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

Left Out: 234.004 ± 1212.500 χ^2/NDF : 4.7/6

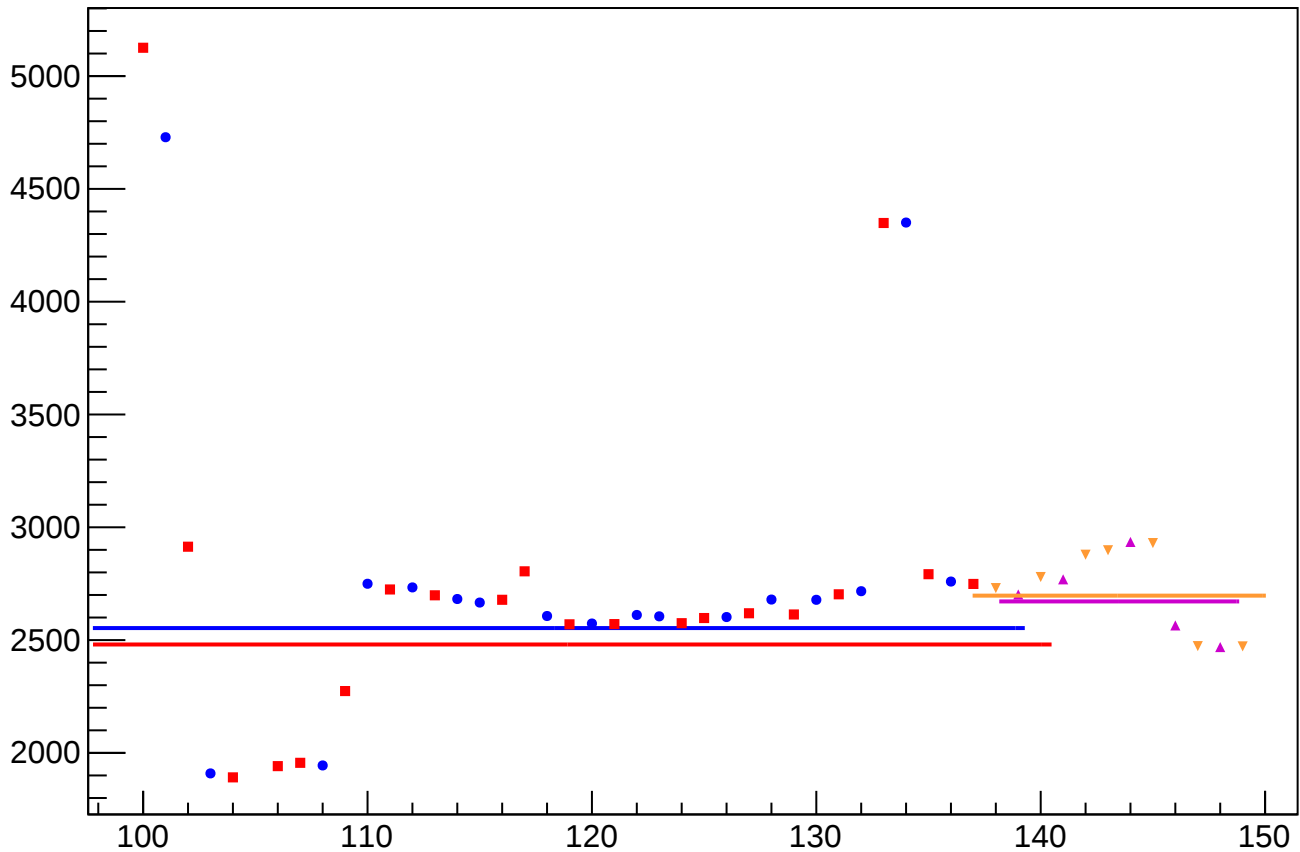
Right Out: -2133.736 ± 955.999 χ^2/NDF : 14.4/19

Left In: -3654.320 ± 1328.731 χ^2/NDF : 2.4/4

2390.839 ± 776.813 χ^2/NDF : 17.2/23

-2652.391 ± 776.017 χ^2/NDF : 17.6/24

reg_asym_atr2_rms vs Slug



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

Left Out: 2697.038+/-0.857 χ^2/NDF : 47186.1/6

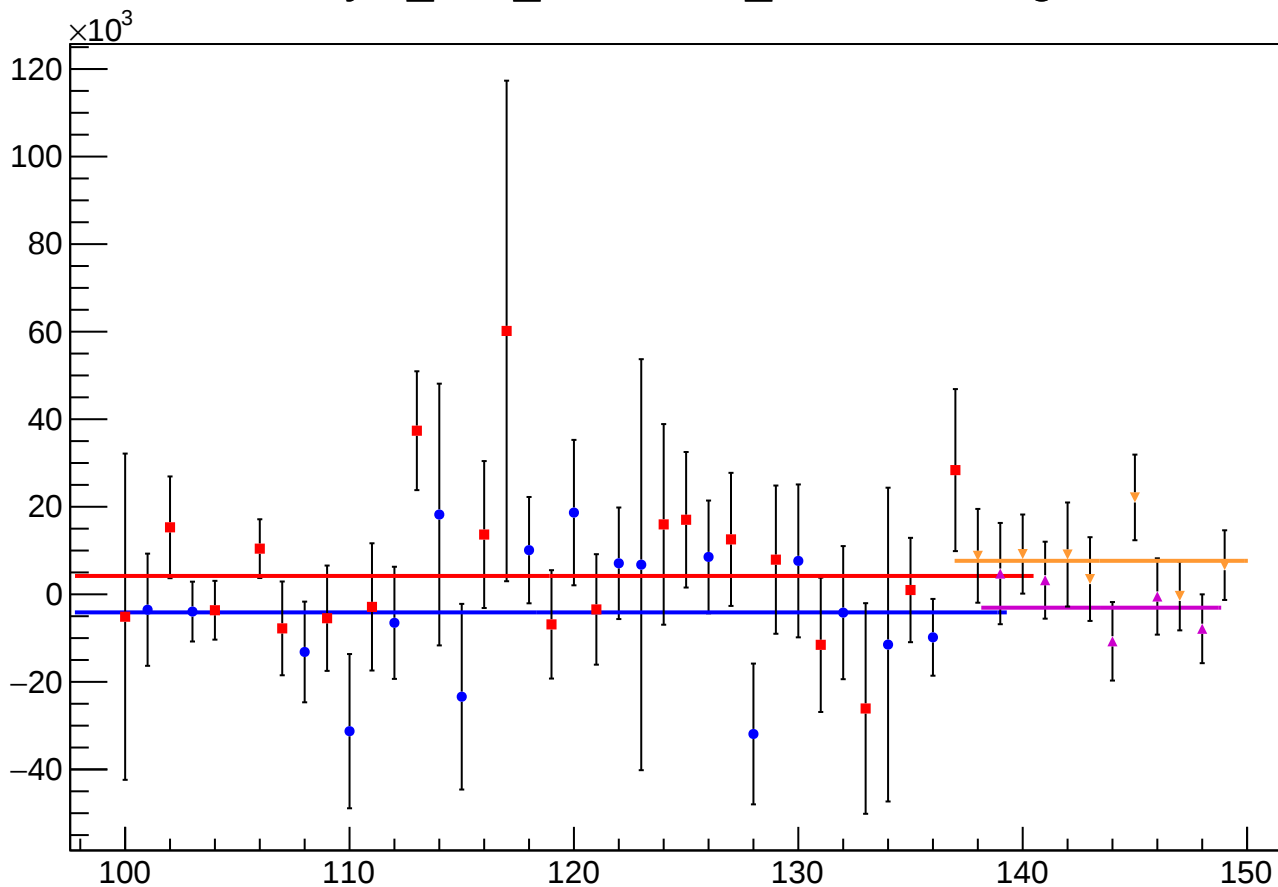
2612.287+/-0.549 χ^2/NDF : 608987.6/23

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

2545.605+/-0.549 χ^2/NDF : 507727.2/24

Left In: 2671.368+/-0.940 χ^2/NDF : 29866.5/4

asym_atr2_correction_mean vs Slug



Right In: -4126.319 ± 3227.044 χ^2/NDF : 13.4/16

Left Out: 7652.953 ± 3505.904 χ^2/NDF : 3.5/6

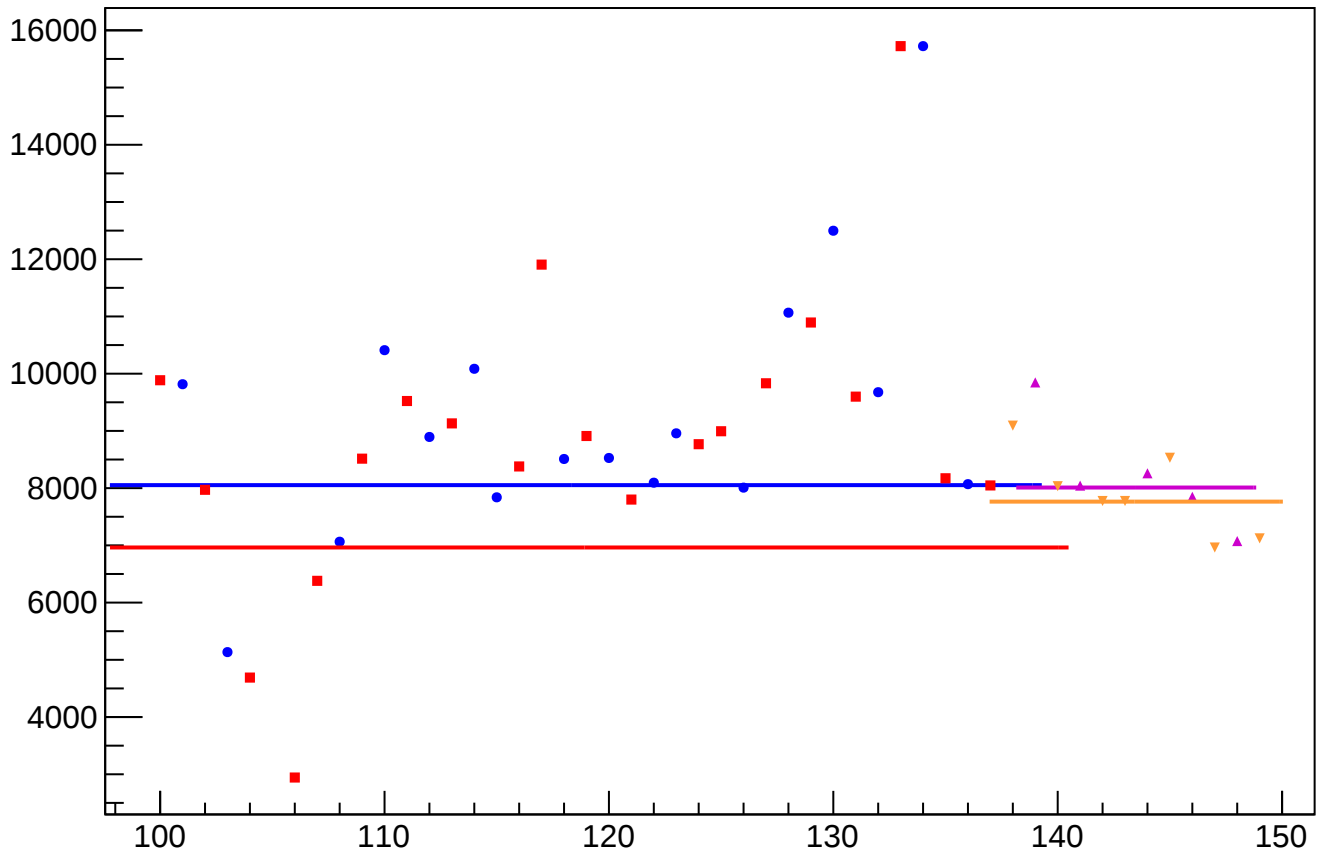
Right Out: 4197.870 ± 2830.850 χ^2/NDF : 19.5/19

Left In: -3055.345 ± 4010.071 χ^2/NDF : 2.2/4

1276.286 ± 2374.338 χ^2/NDF : 23.0/23

1785.475 ± 2312.656 χ^2/NDF : 23.8/24

asym_atr2_correction_rms vs Slug



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

Left Out: 7764.368+/-2.479 χ^2/NDF : 78583.3/6

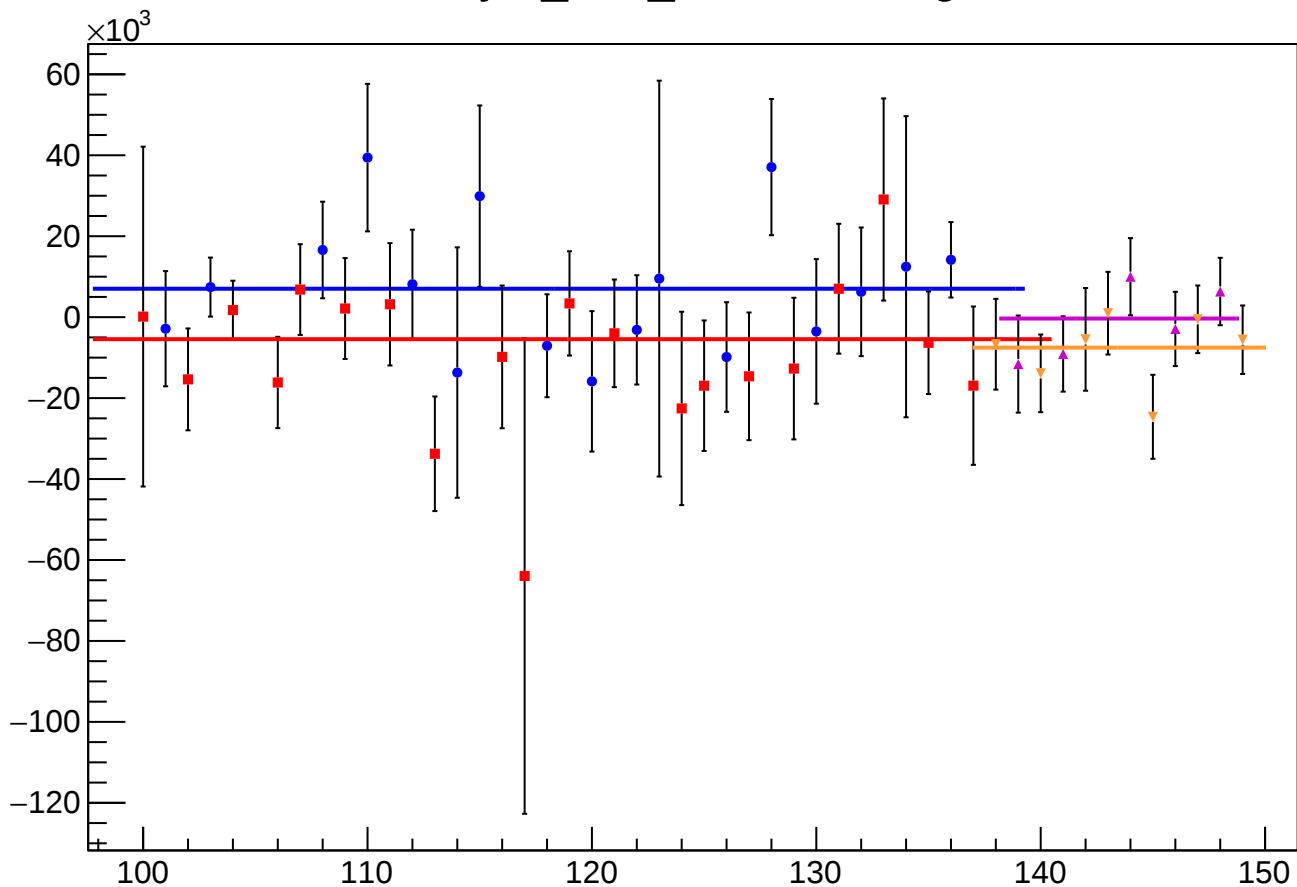
7920.375+/-1.679 χ^2/NDF : 876623.0/23

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

7311.477+/-1.635 χ^2/NDF : 1963656.9/24

Left In: 8010.566+/-2.836 χ^2/NDF : 81017.5/4

asym_atr2_mean vs Slug



Right In: 7025.400 $\pm$ 3409.490 χ^2 /NDF: 15.0/16

Left Out: -7521.467 $\pm$ 3722.046 χ^2 /NDF: 4.6/6

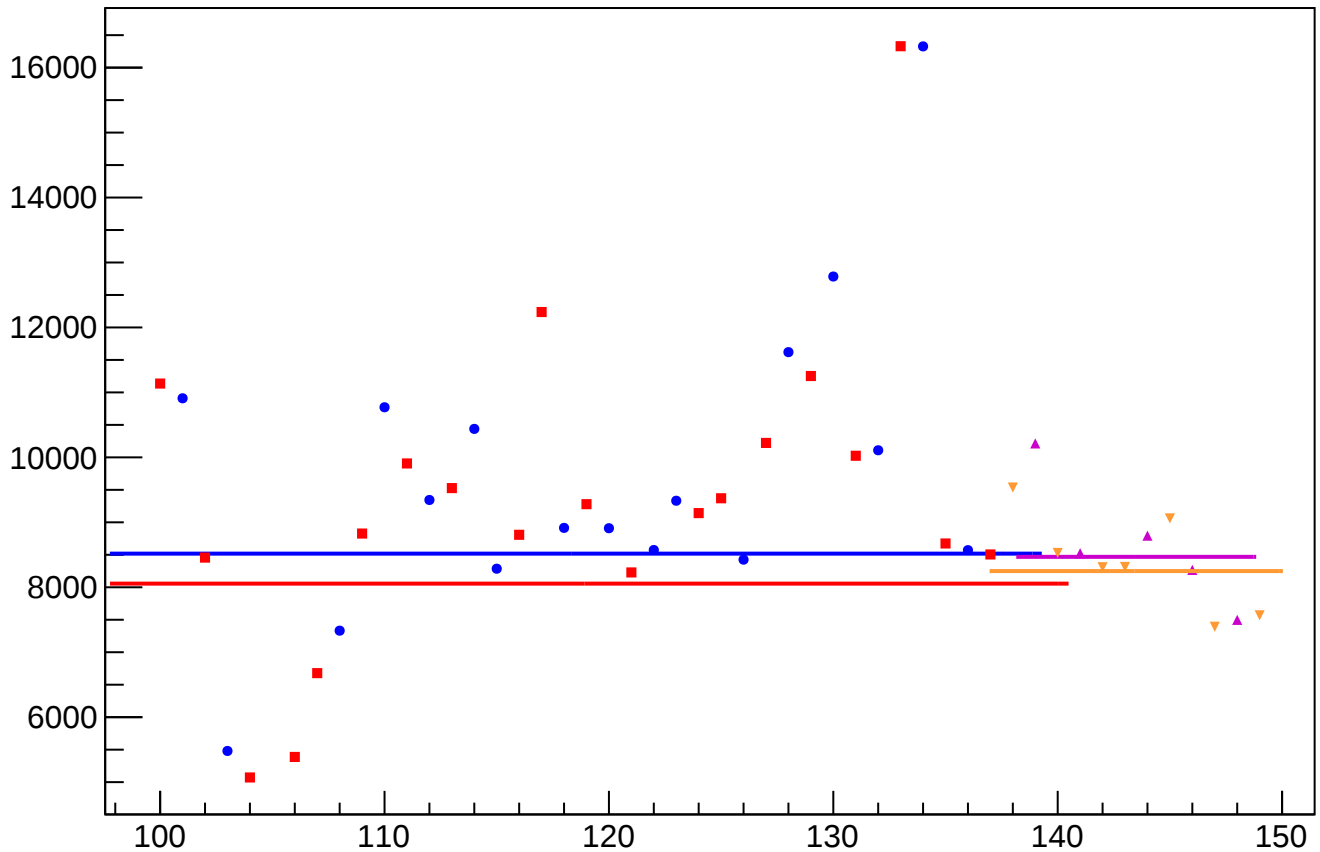
Right Out: -5441.890 $\pm$ 3163.600 χ^2 /NDF: 14.3/19

Left In: -337.483 $\pm$ 4234.341 χ^2 /NDF: 3.7/4

388.295 $\pm$ 2514.122 χ^2 /NDF: 28.0/23

-3613.314 $\pm$ 2534.368 χ^2 /NDF: 18.9/24

asym_atr2_rms vs Slug



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

Left Out: 8249.272 ± 2.632 χ^2/NDF : 74352.2/6

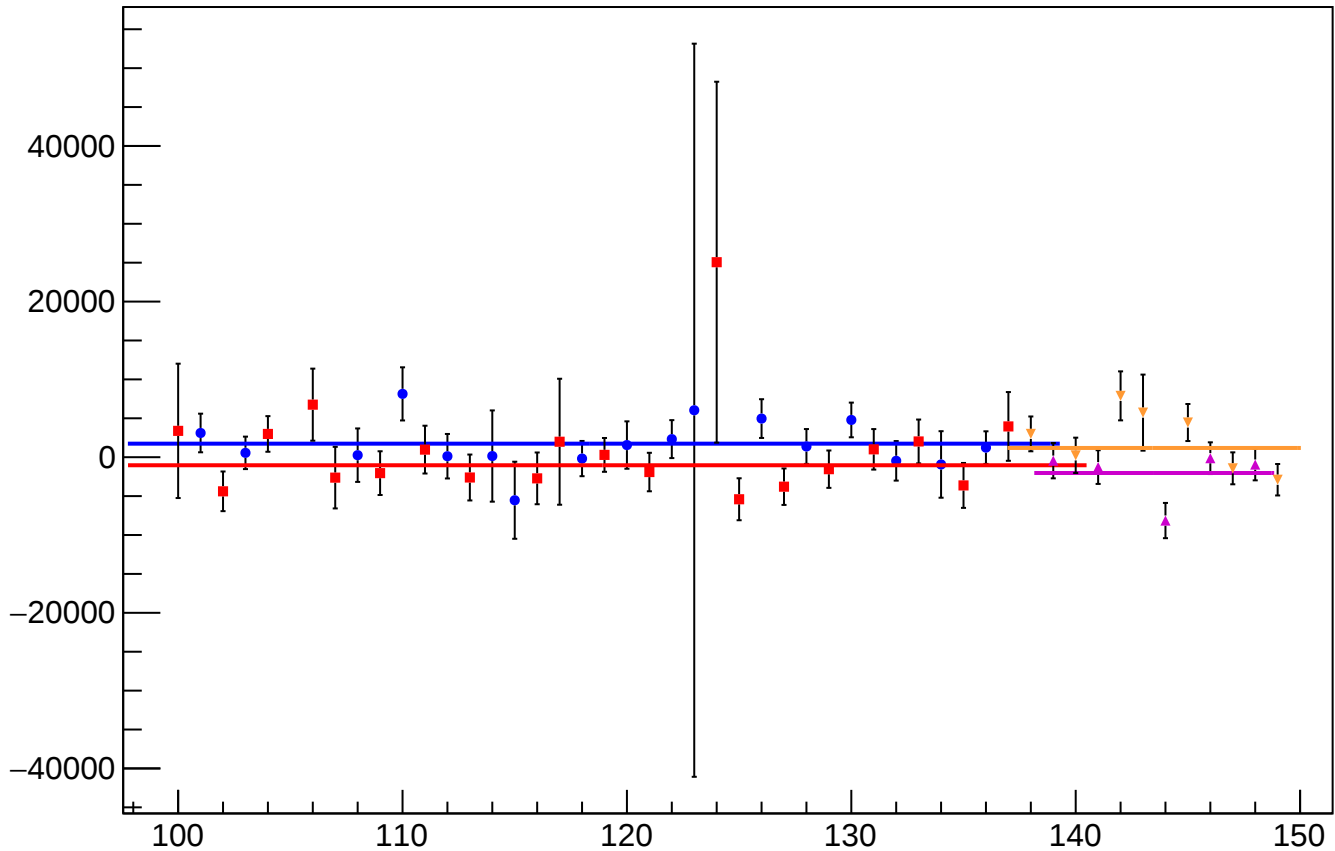
Right Out: 8056.153 ± 2.237 χ^2/NDF : 962282.6/19

Left In: 8468.363 ± 2.994 χ^2/NDF : 72868.3/4

8395.329 ± 1.778 χ^2/NDF : 843297.6/23

8203.814 ± 1.792 χ^2/NDF : 1047315.1/24

reg_asym_atl_avg_mean vs Slug



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

Left Out: 1187.231+/-914.789 χ^2/NDF : 13.8/6

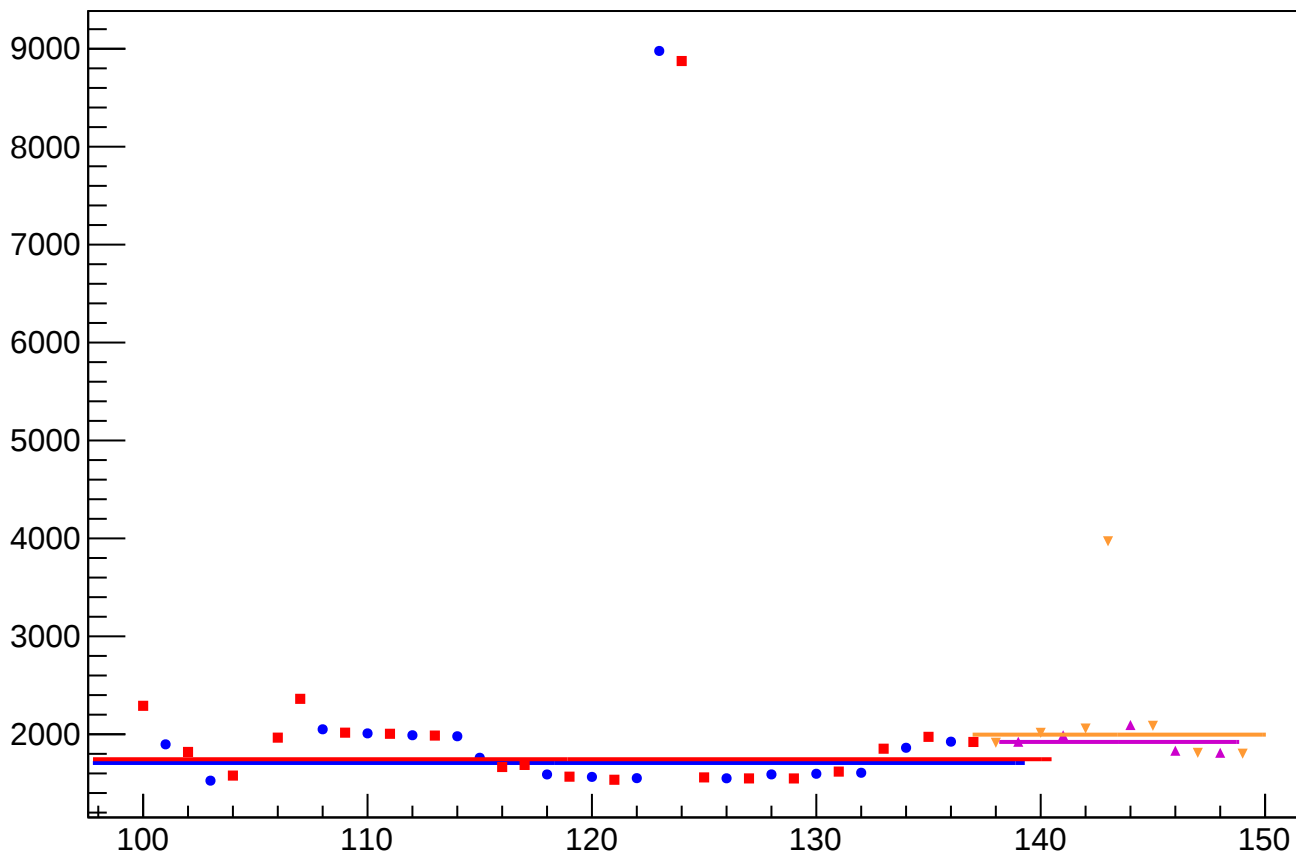
Right Out: -1034.828+/-668.692 χ^2/NDF : 19.0/19

Left In: -2029.280+/-959.281 χ^2/NDF : 9.0/4

1546.625+/-540.737 χ^2/NDF : 26.5/23

-1360.028+/-548.566 χ^2/NDF : 28.8/24

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1996.189+/-0.647 χ^2/NDF : 367813.5/6

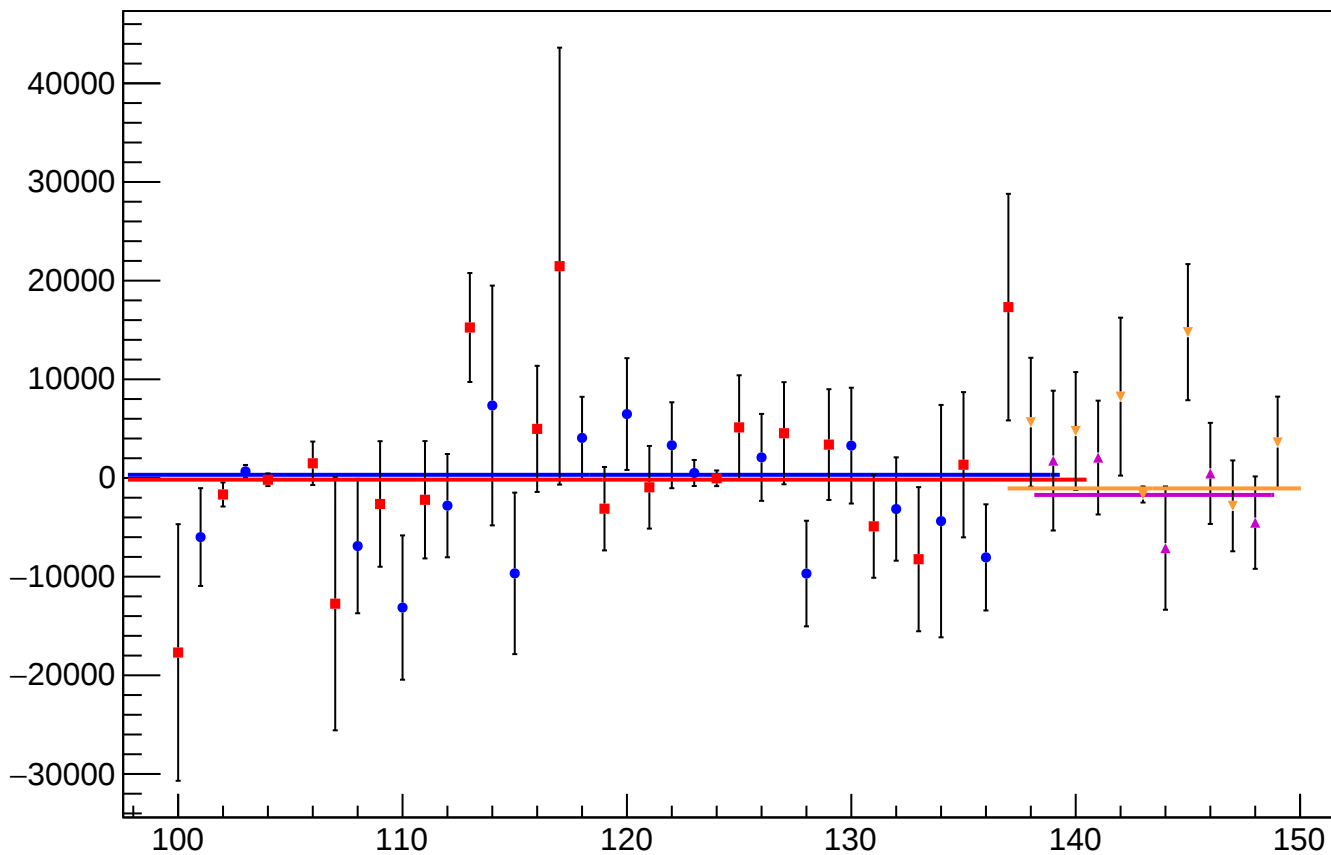
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

Left In: 1921.671+/-0.678 χ^2/NDF : 23413.2/4

1807.957+/-0.382 χ^2/NDF : 695523.6/23

1802.455+/-0.387 χ^2/NDF : 469095.9/24

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1057.919+/-769.654 χ^2/NDF :10.3/6

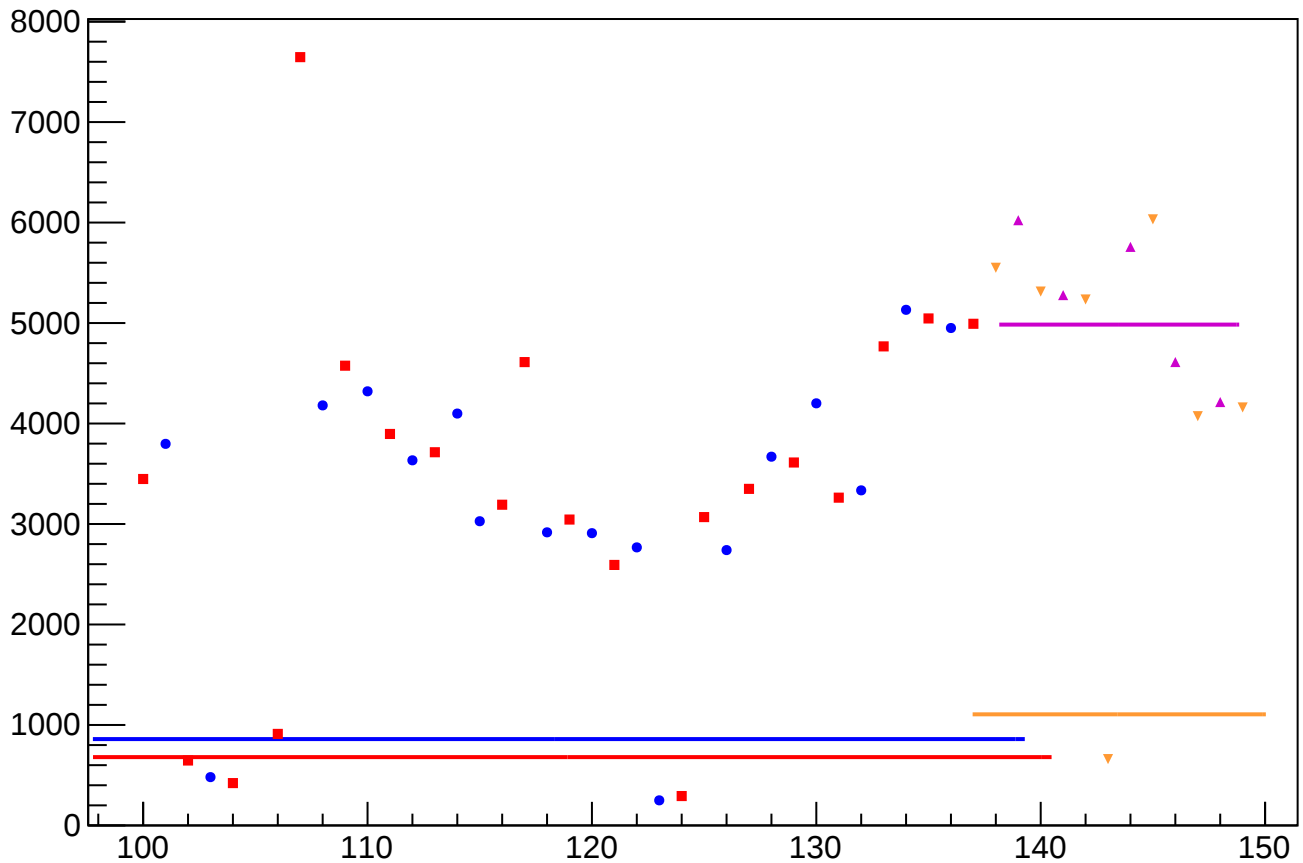
Right Out: -168.343+/-433.469 χ^2/NDF : 21.7/19

Left In: -1717.682+/-2505.465 χ^2/NDF :2.0/4

-134.374+/-442.260 χ^2/NDF : 30.5/23

-213.371+/-427.123 χ^2/NDF : 24.0/24

asym_atl_avg_correction_rms vs Slug



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

Left Out: 1105.881+/-0.544 χ^2/NDF : 5760756.1/6

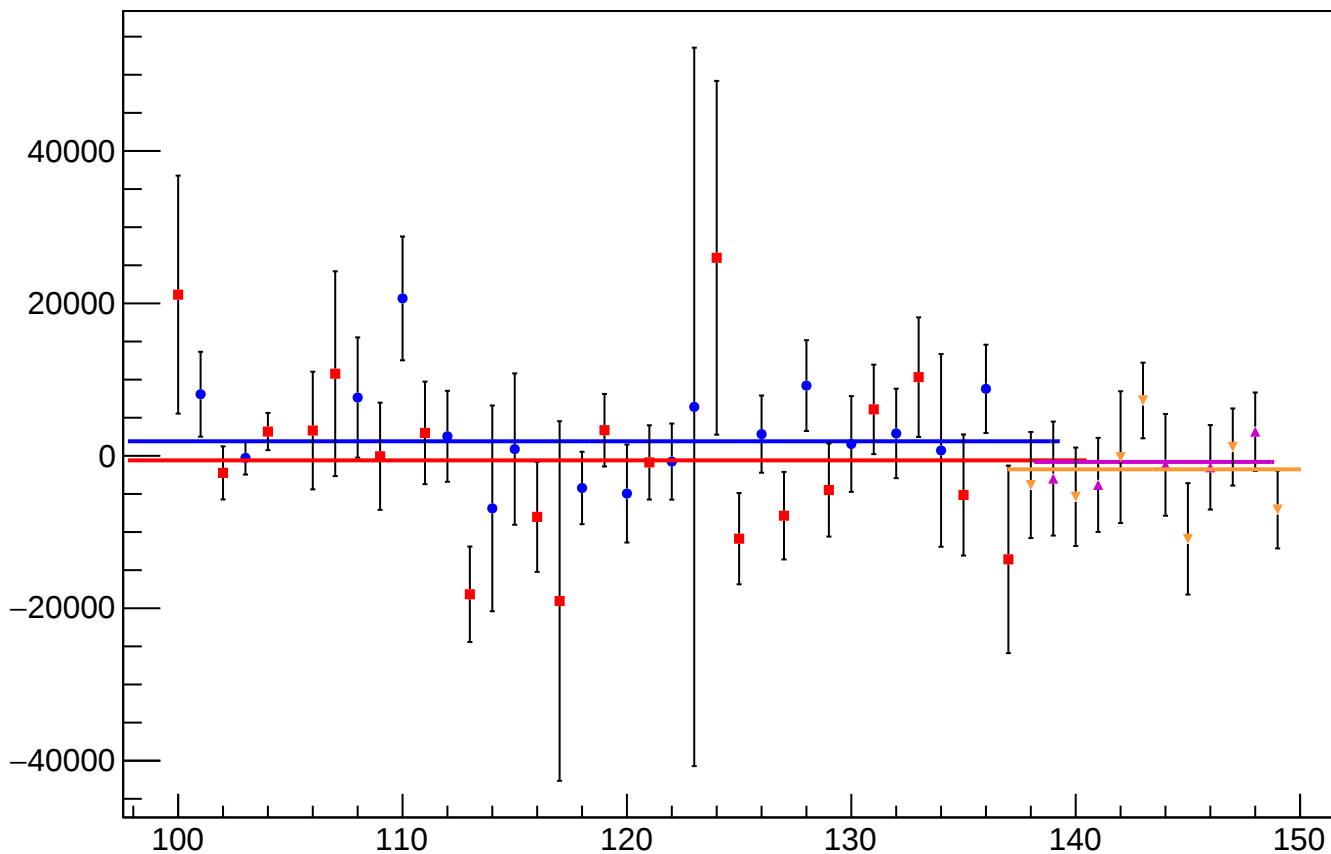
Right Out: 680.110+/-0.307 χ^2/NDF : 8447884.2/19

Left In: 4984.440+/-1.772 χ^2/NDF : 143598.6/4

940.891+/-0.313 χ^2/NDF : 14041236.1/23

805.204+/-0.302 χ^2/NDF : 14322816.5/24

asym_atl_avg_mean vs Slug



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

Left Out: -1767.845+/-2265.319 χ^2/NDF : 6.7/6

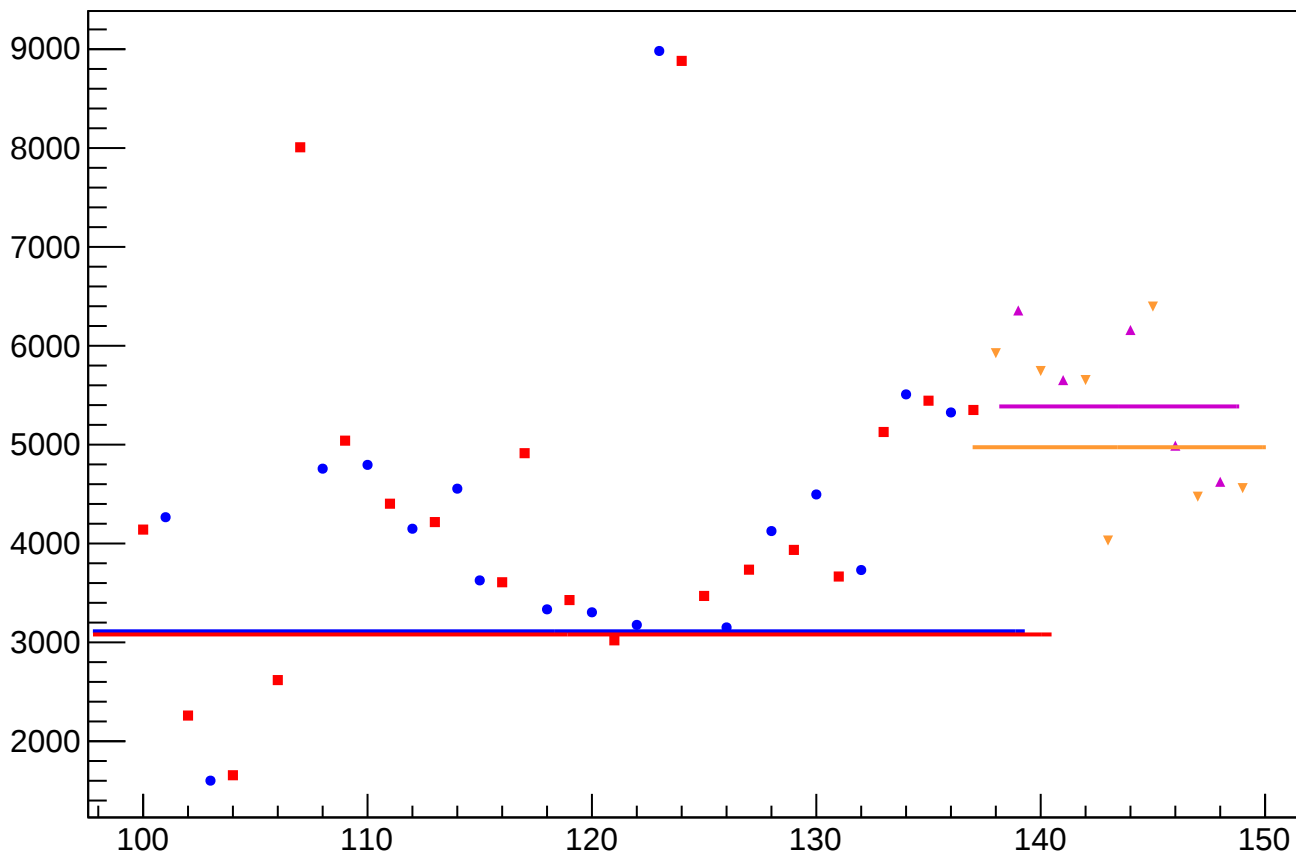
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

Left In: -799.624+/-2703.164 χ^2/NDF : 0.9/4

987.586+/-1134.176 χ^2/NDF : 23.3/23

-632.159+/-1159.744 χ^2/NDF : 27.9/24

asym_atl_avg_rms vs Slug



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

Left Out: 4973.821+/-1.602 χ^2/NDF : 259025.0/6

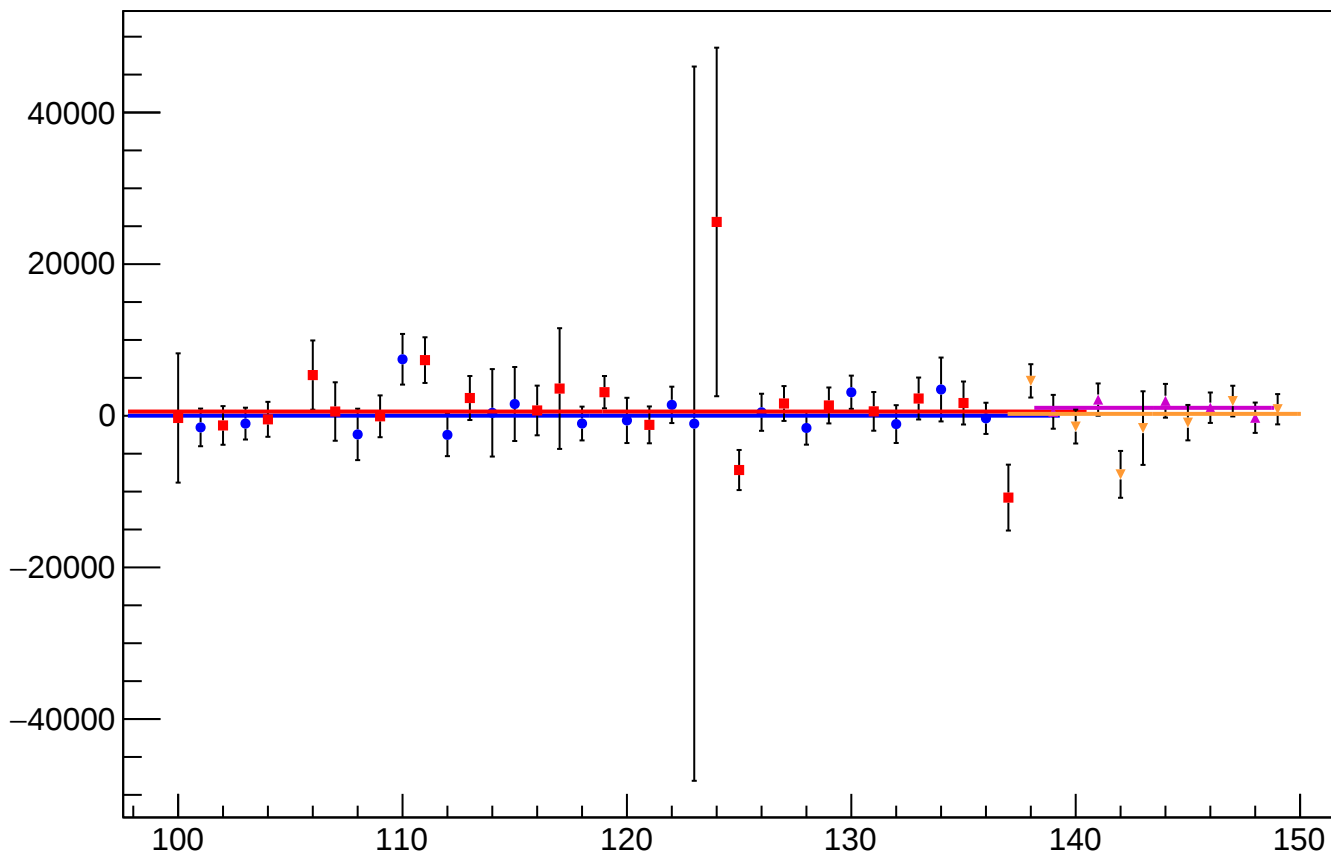
Right Out: 3080.063+/-0.895 χ^2/NDF : 2017746.3/19

Left In: 5386.471+/-1.911 χ^2/NDF : 118348.1/4

3578.568+/-0.802 χ^2/NDF : 3151102.0/23

3494.624+/-0.810 χ^2/NDF : 3330377.5/24

reg_asym_atl_dd_mean vs Slug



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

Left Out: 251.462+/-900.553 χ^2/NDF : 12.3/6

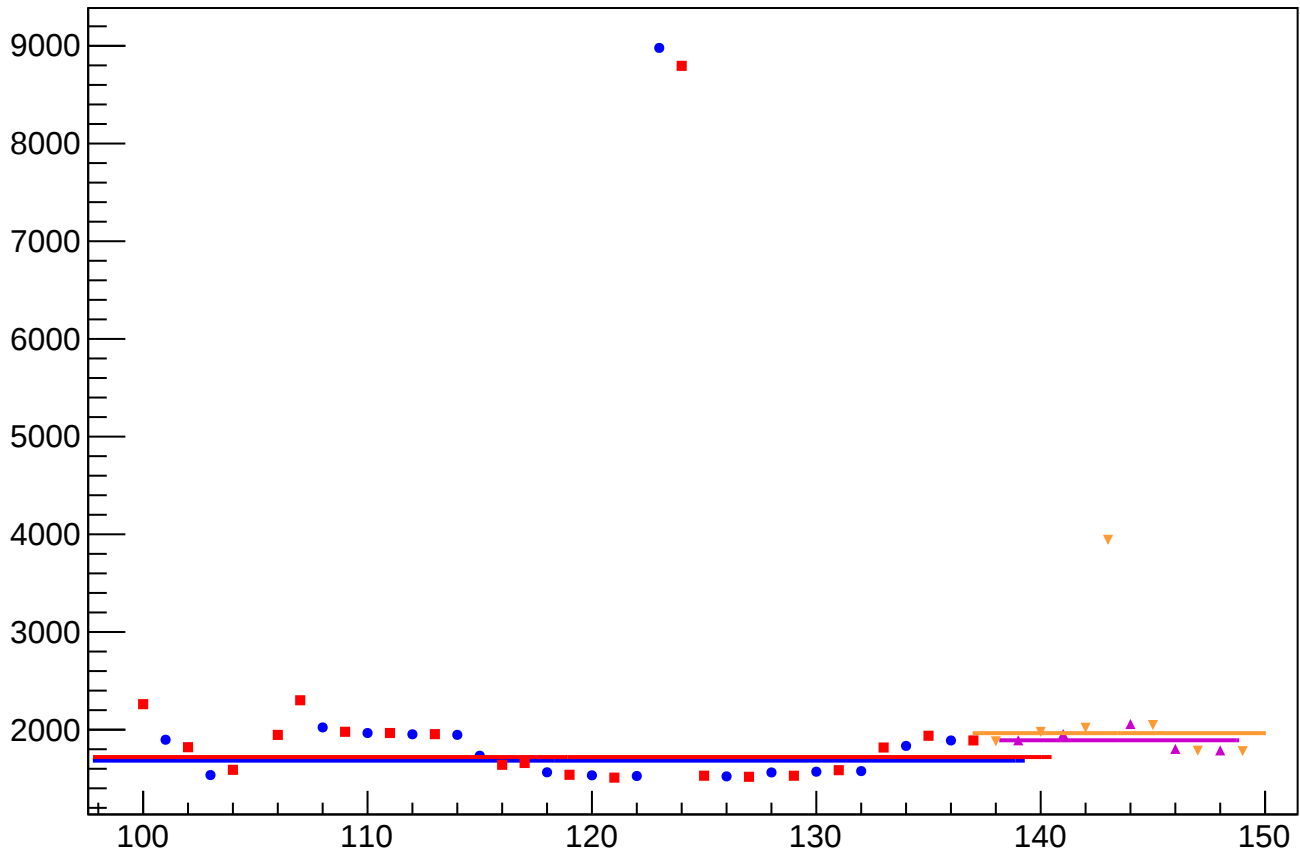
Right Out: 558.377+/-658.875 χ^2/NDF : 26.8/19

Left In: 1047.943+/-944.202 χ^2/NDF : 0.9/4

97.233+/-532.919 χ^2/NDF : 23.5/23

718.699+/-540.326 χ^2/NDF : 27.9/24

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1964.645+/-0.637 χ^2/NDF : 371165.0/6

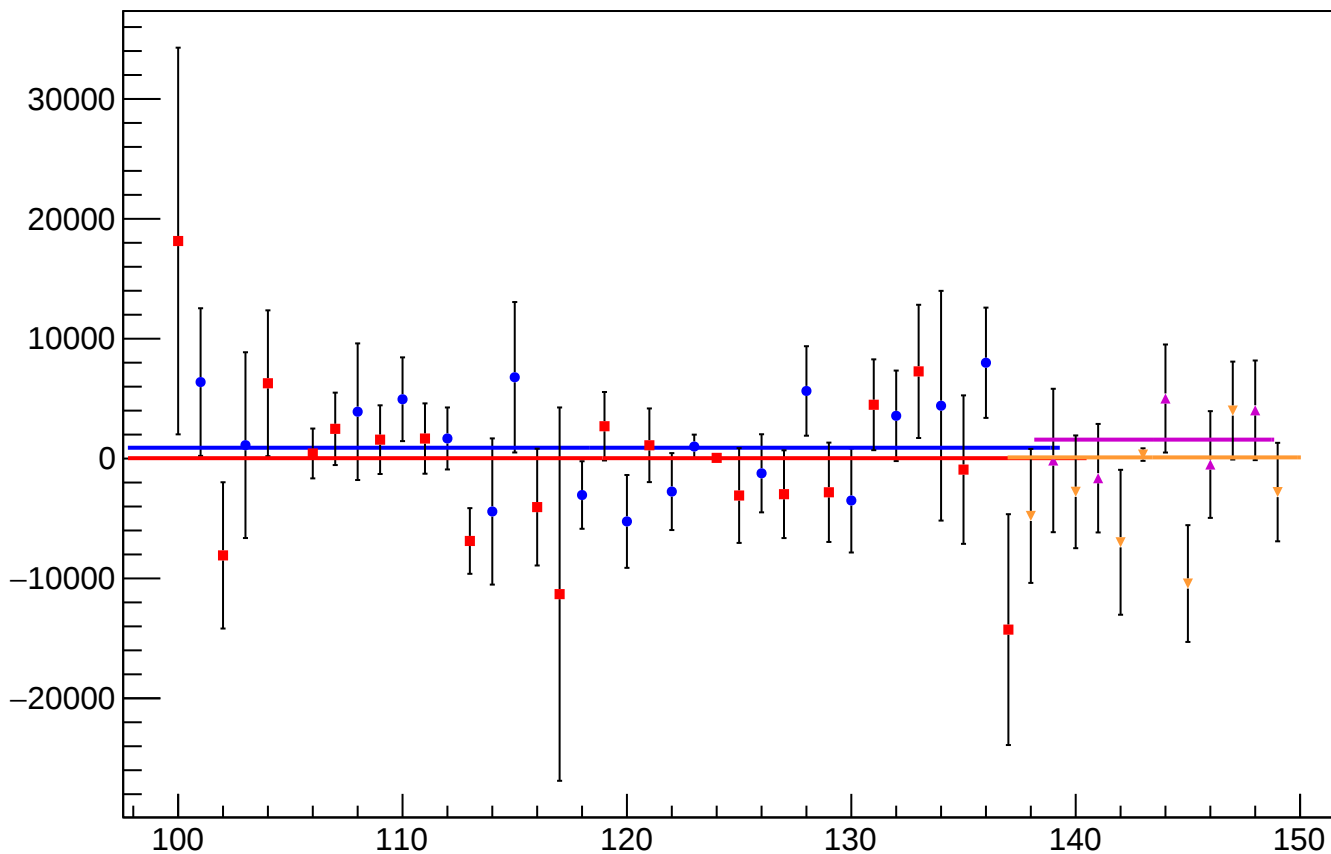
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

Left In: 1891.630+/-0.668 χ^2/NDF : 22193.1/4

1781.797+/-0.377 χ^2/NDF : 693941.3/23

1775.855+/-0.381 χ^2/NDF : 462997.0/24

asym_atl_dd_correction_mean vs Slug



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

Left Out: 97.825+/-504.486 χ^2/NDF : 8.8/6

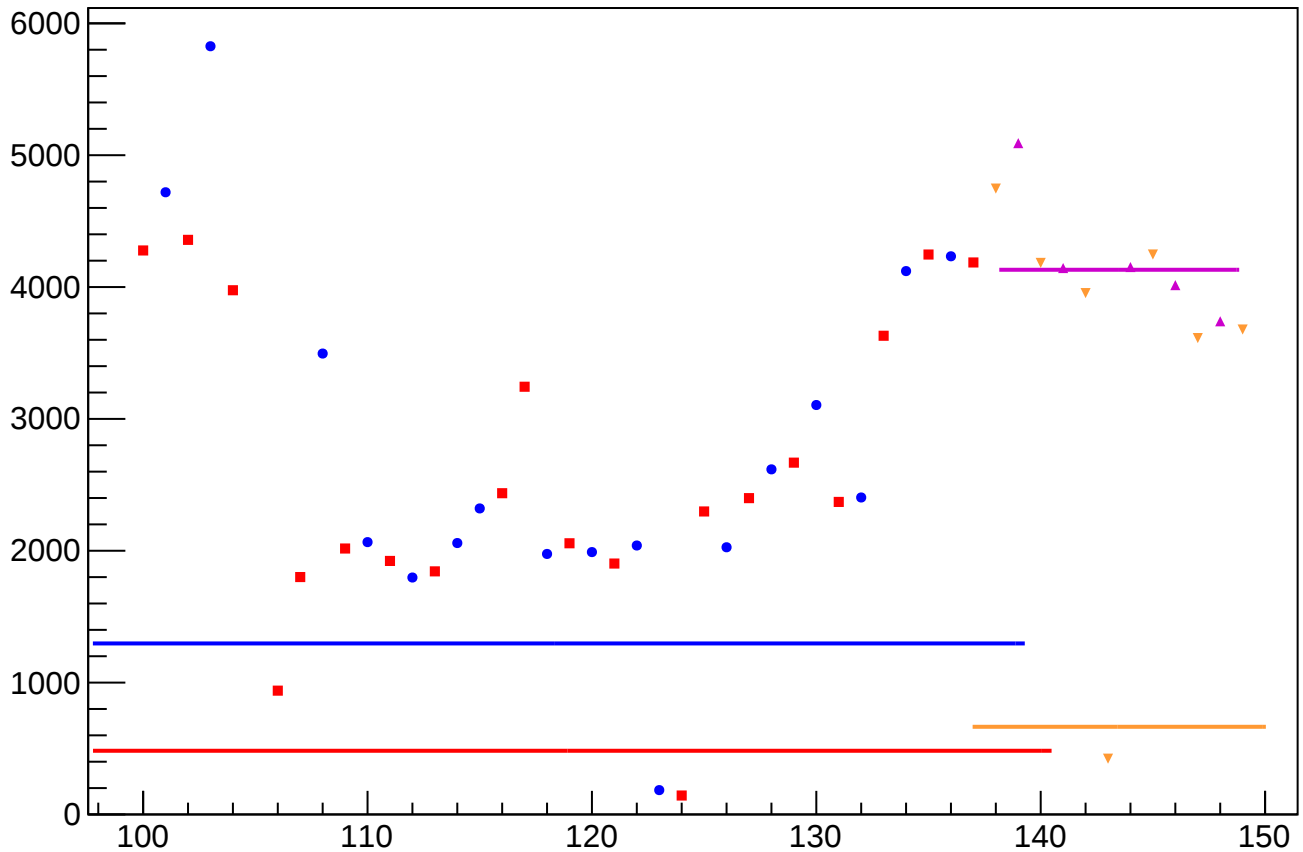
Right Out: 32.177+/-357.083 χ^2/NDF : 21.0/19

Left In: 1580.118+/-2065.854 χ^2/NDF : 1.7/4

370.325+/-410.376 χ^2/NDF : 25.7/23

77.083+/-351.865 χ^2/NDF : 23.3/24

asym_atl_dd_correction_rms vs Slug



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

Left Out: 664.909+/-0.357 χ^2/NDF : 6405920.2/6

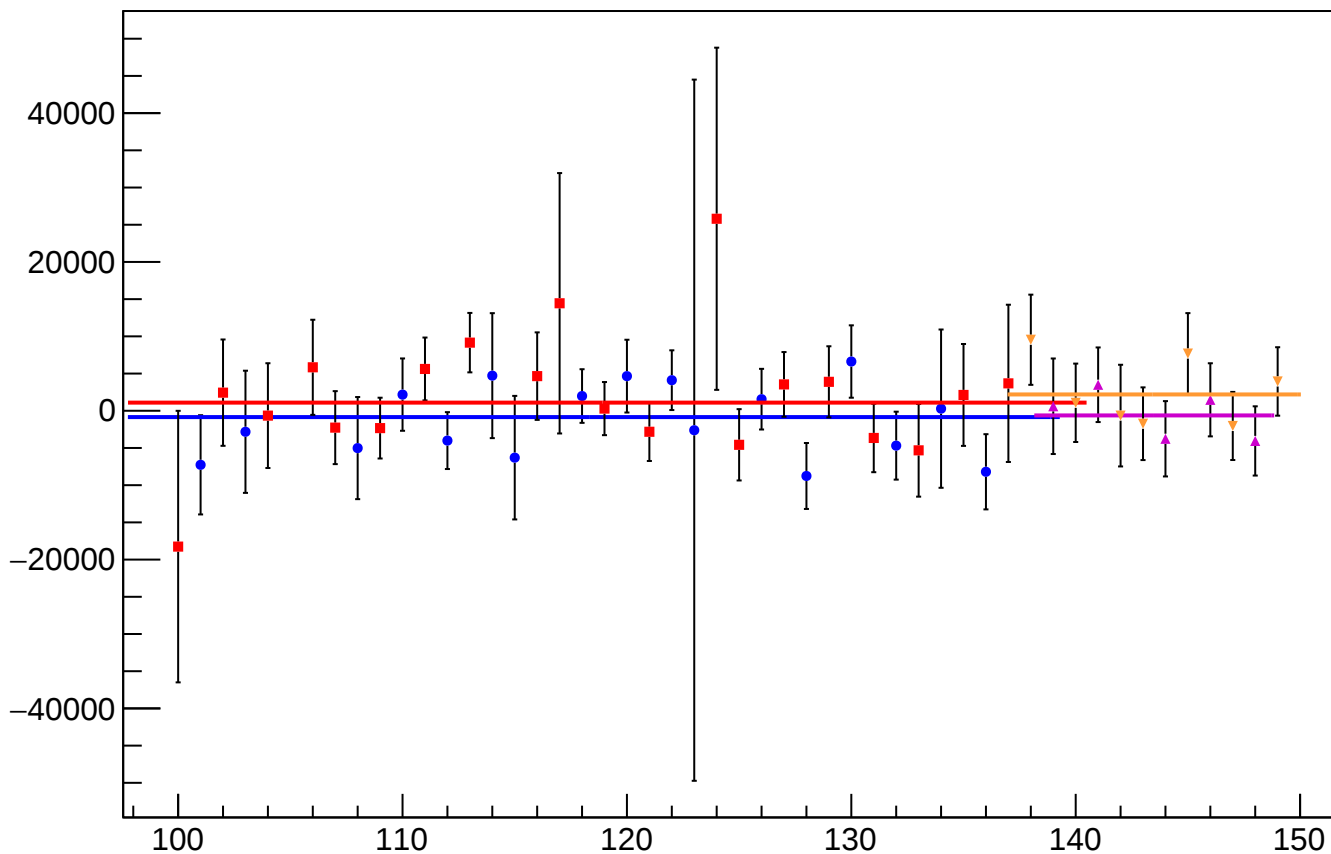
878.741+/-0.290 χ^2/NDF : 13977687.1/23

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

588.861+/-0.249 χ^2/NDF : 16333468.9/24

Left In: 4131.085+/-1.461 χ^2/NDF : 70650.0/4

asym_atl_dd_mean vs Slug



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

Left Out: 2193.970+/-1978.406 χ^2/NDF : 4.4/6

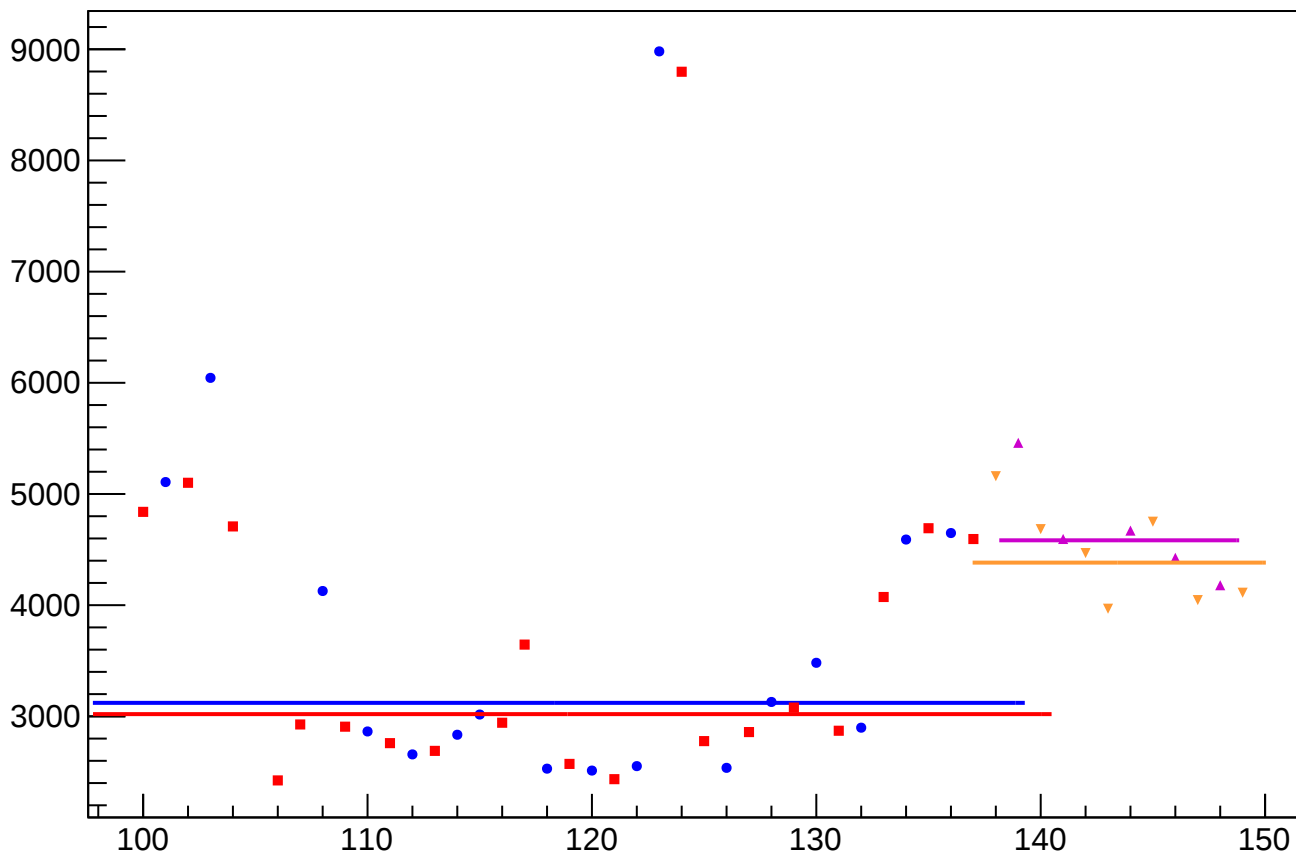
Right Out: 1095.033+/-1187.966 χ^2/NDF : 15.6/19

Left In: -625.916+/-2289.884 χ^2/NDF : 1.8/4

29.850+/-1063.382 χ^2/NDF : 21.5/23

730.078+/-1054.506 χ^2/NDF : 17.9/24

asym_atl_dd_rms vs Slug



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

Left Out: 4382.818+/-1.399 χ^2/NDF : 81105.6/6

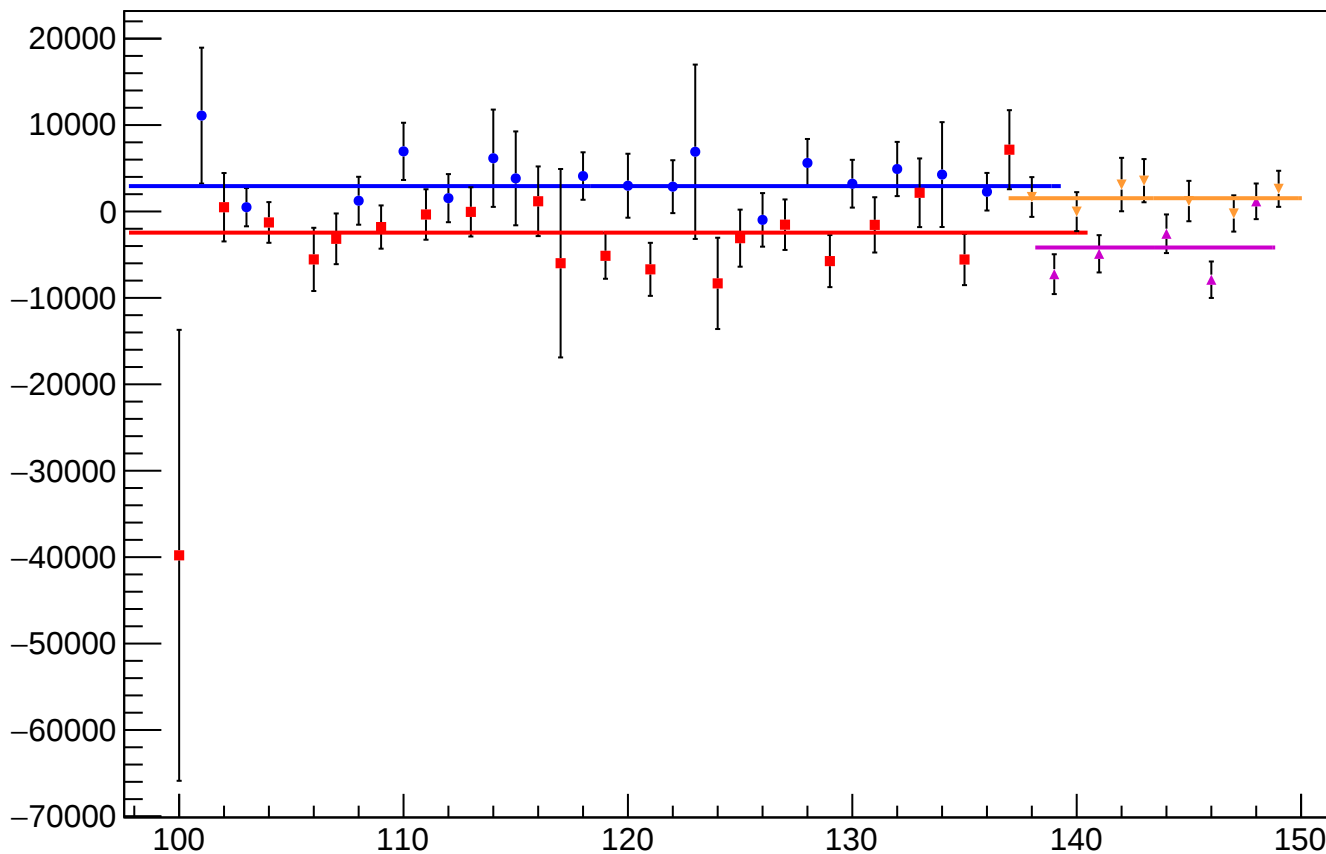
Right Out: 3020.039+/-0.830 χ^2/NDF : 794563.8/19

Left In: 4583.346+/-1.619 χ^2/NDF : 55053.9/4

3485.833+/-0.752 χ^2/NDF : 1604959.6/23

3345.097+/-0.738 χ^2/NDF : 1587956.2/24

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1534.896+/-880.454 χ^2/NDF : 2.4/6

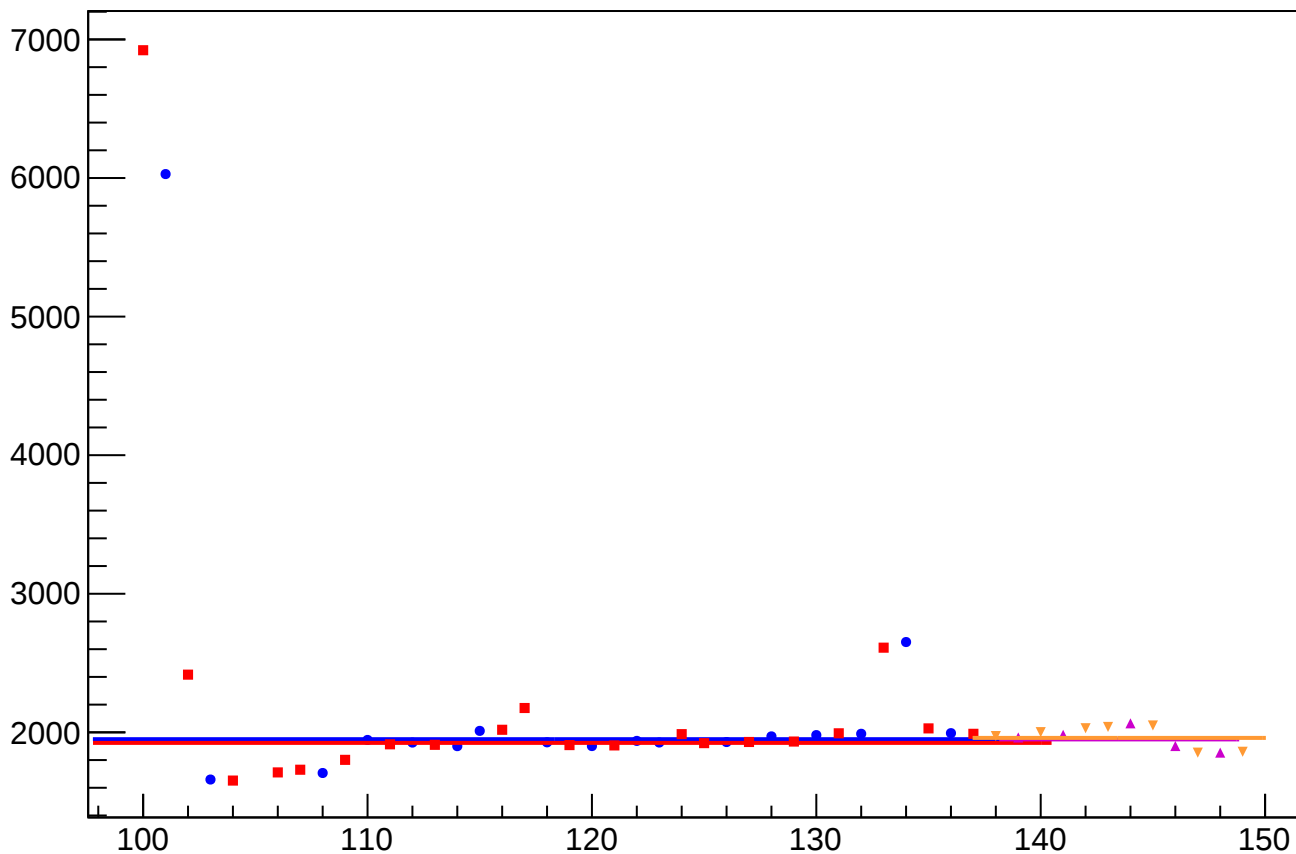
Right Out: -2449.072+/-738.715 χ^2/NDF : 18.3/19

Left In: -4169.331+/-969.793 χ^2/NDF : 12.2/4

2323.917+/-581.892 χ^2/NDF : 12.0/23

-3080.714+/-587.648 χ^2/NDF : 32.5/24

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1959.838+/-0.623 χ^2/NDF : 16446.3/6

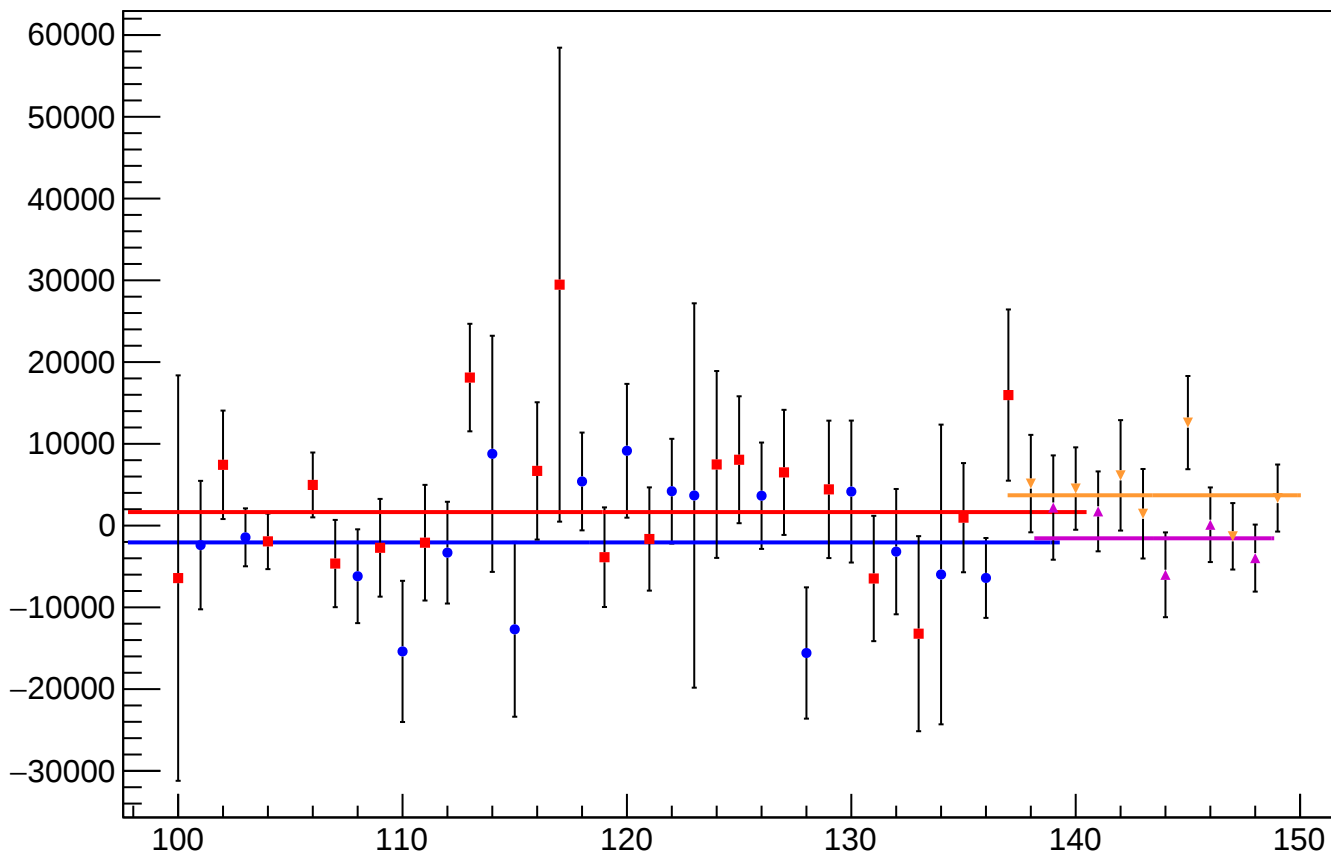
Right Out: 1923.907+/-0.521 χ^2/NDF : 218470.6/19

Left In: 1948.905+/-0.686 χ^2/NDF : 11234.0/4

1954.643+/-0.411 χ^2/NDF : 633902.1/23

1933.059+/-0.415 χ^2/NDF : 230546.9/24

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 $\pm$ 1661.079 χ^2 /NDF: 14.0/16

Left Out: 3708.521 $\pm$ 1911.821 χ^2 /NDF:4.3/6

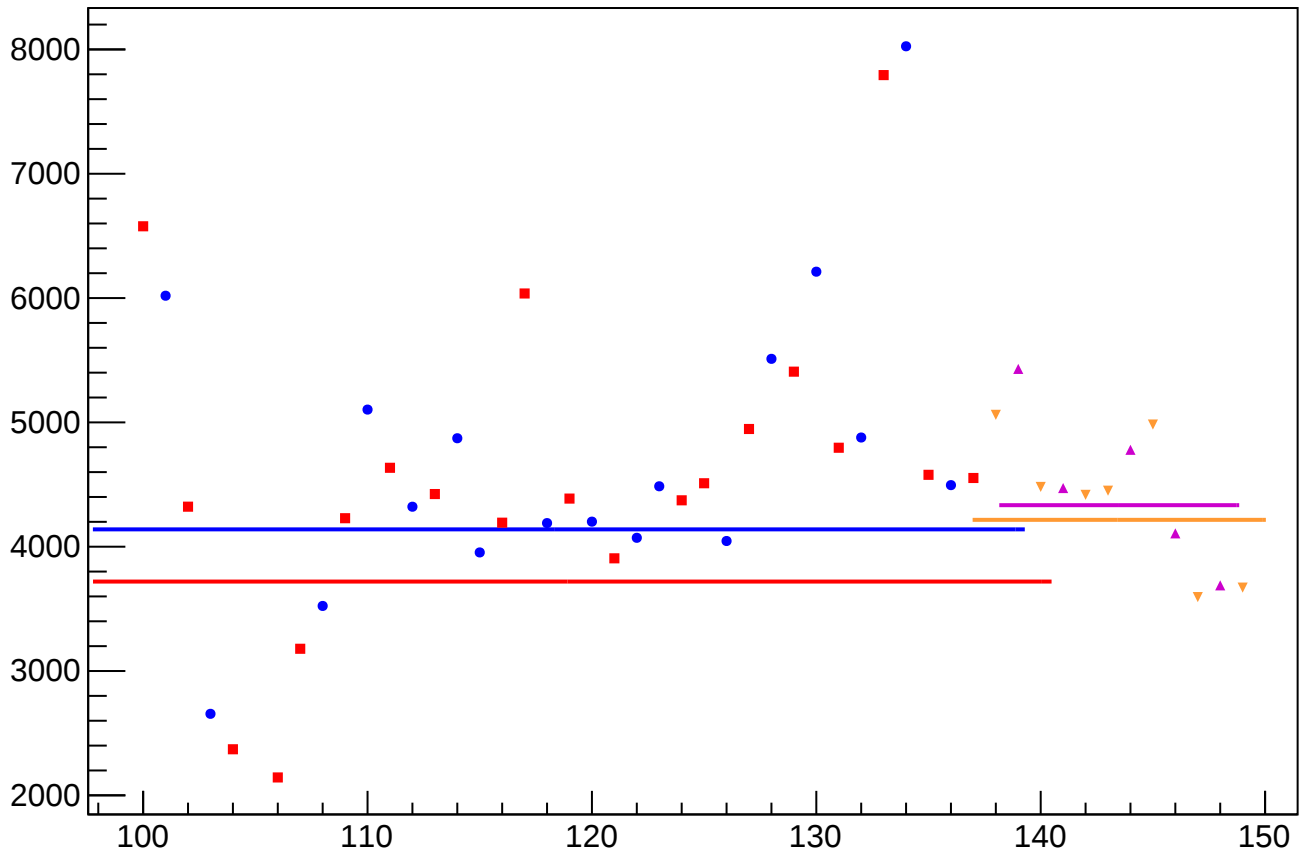
Right Out: 1652.978 $\pm$ 1475.490 χ^2 /NDF: 19.5/19

Left In: -1554.654 $\pm$ 2176.408 χ^2 /NDF:2.0/4

423.196 $\pm$ 1253.905 χ^2 /NDF: 23.5/23

642.938 $\pm$ 1221.286 χ^2 /NDF: 23.0/24

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4216.052+/-1.352 χ^2/NDF : 169408.8/6

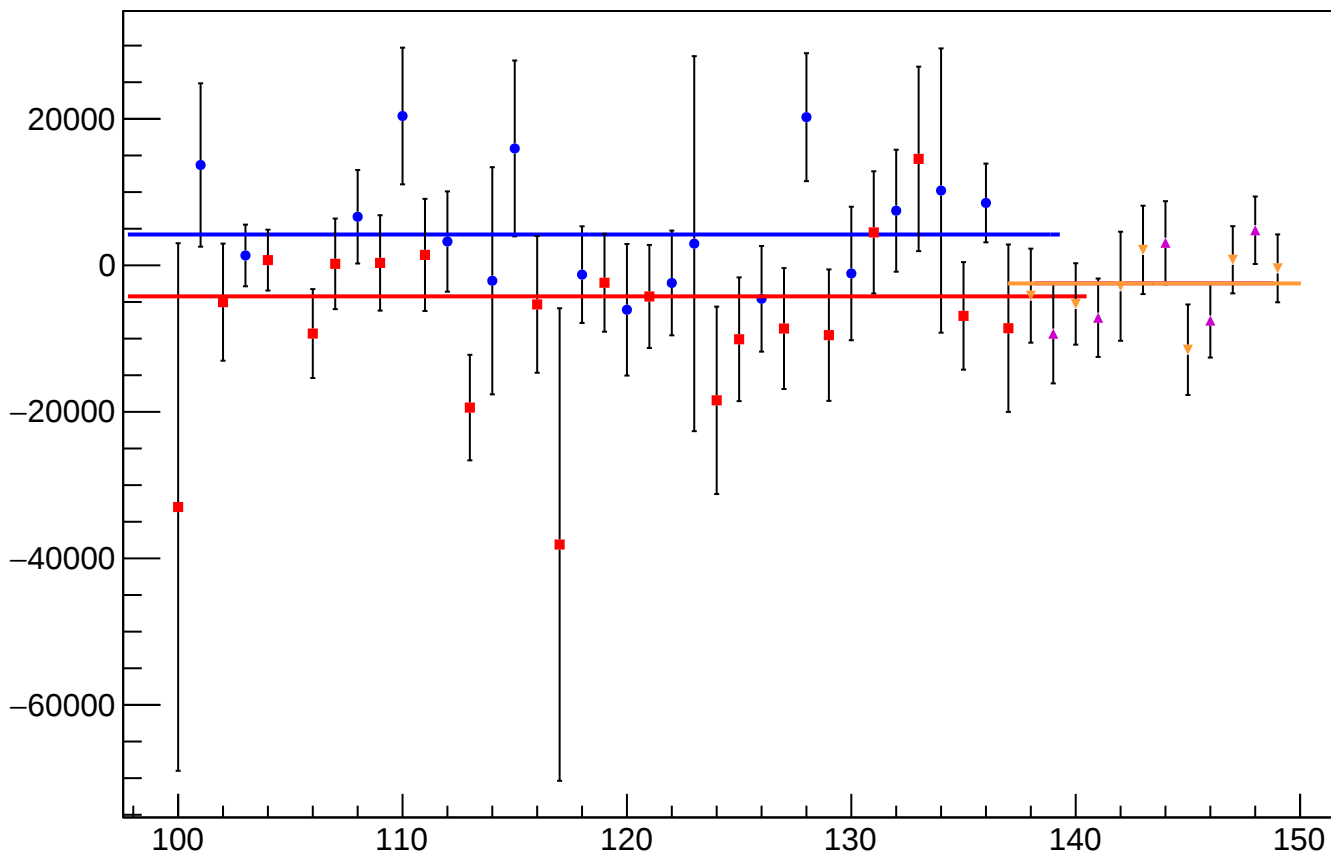
4172.369+/-0.887 χ^2/NDF : 984791.9/23

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

3913.033+/-0.864 χ^2/NDF : 1527709.7/24

Left In: 4334.012+/-1.539 χ^2/NDF : 129843.7/4

asym_atr_avg_mean vs Slug



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

Left Out: -2468.411+/-2119.950 χ^2/NDF : 3.7/6

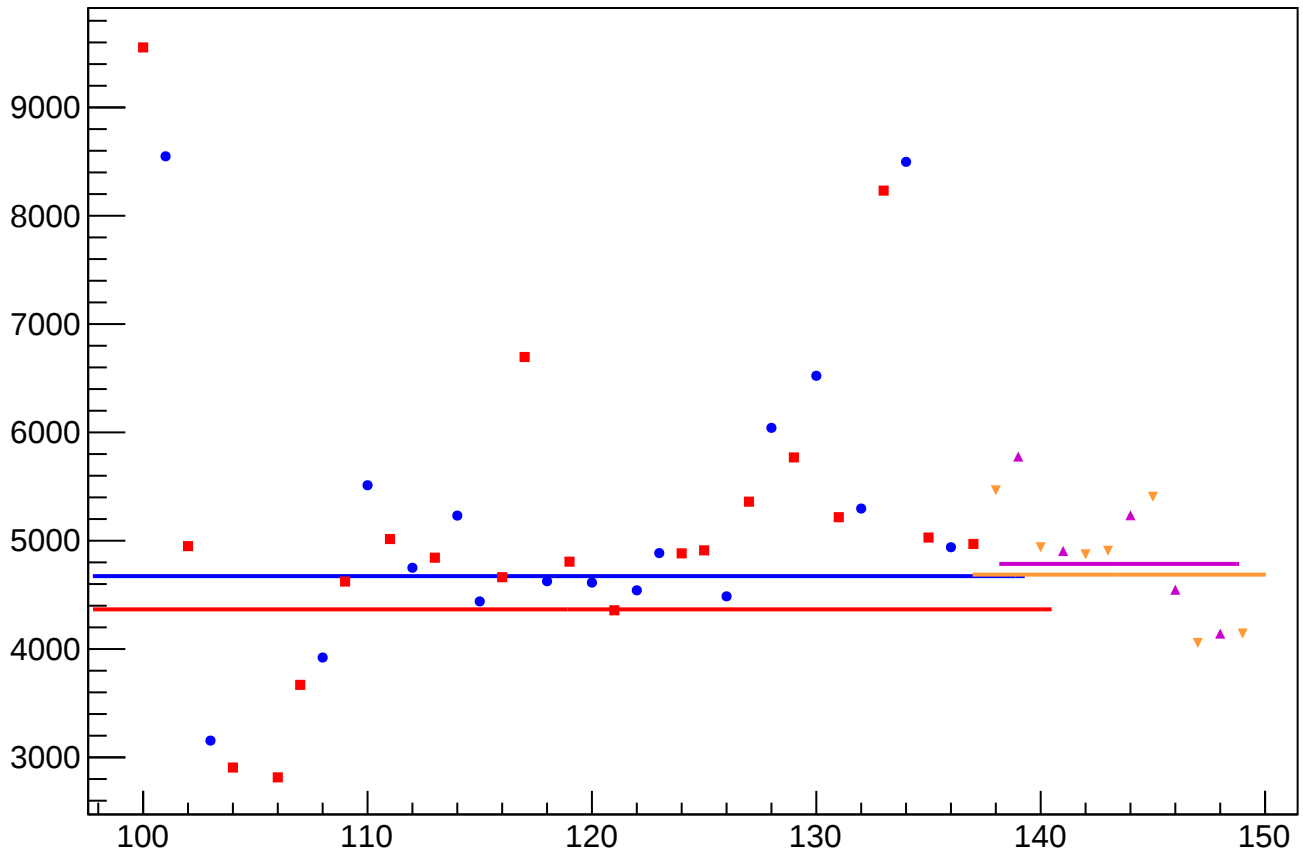
Right Out: -4230.596+/-1722.878 χ^2/NDF : 15.9/19

Left In: -2445.820+/-2397.313 χ^2/NDF : 6.2/4

1286.273+/-1402.925 χ^2/NDF : 23.7/23

-3622.734+/-1399.056 χ^2/NDF : 22.5/24

asym_atr_avg_rms vs Slug



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

Left Out: 4686.986+/-1.499 χ^2/NDF :129885.1/6

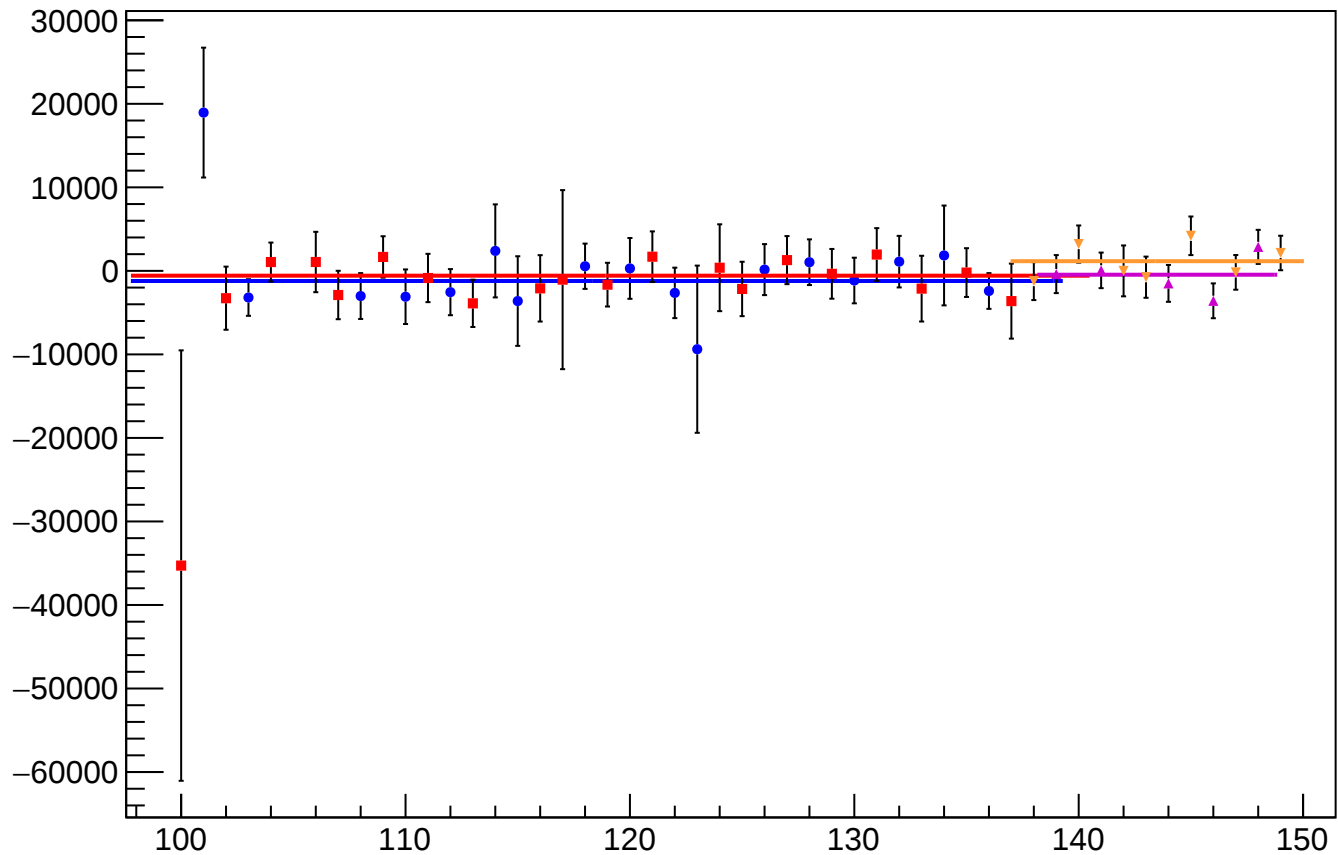
Right Out: 4366.422+/-1.211 χ^2/NDF : 842654.3/19

Left In: 4785.889+/-1.695 χ^2/NDF :99677.5/4

4679.151+/-0.992 χ^2/NDF : 907254.9/23

4508.199+/-0.986 χ^2/NDF : 982867.4/24

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176 ± 765.294 $\chi^2/\text{NDF}: 12.7/16$

Left Out: 1159.937 ± 869.623 $\chi^2/\text{NDF}: 5.1/6$

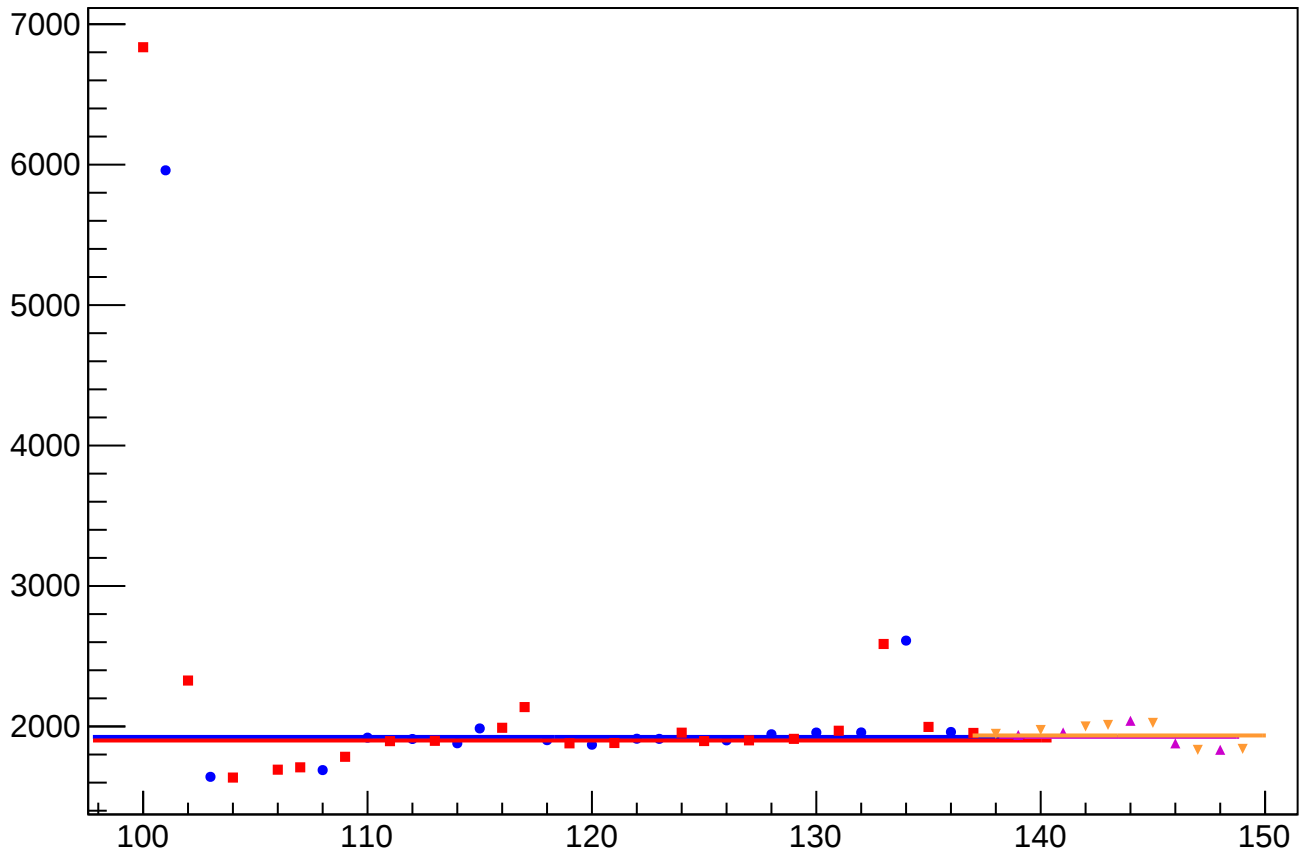
Right Out: -575.663 ± 728.976 $\chi^2/\text{NDF}: 8.7/19$

Left In: -461.212 ± 958.434 $\chi^2/\text{NDF}: 5.2/4$

-176.313 ± 574.508 $\chi^2/\text{NDF}: 21.9/23$

-533.718 ± 580.218 $\chi^2/\text{NDF}: 13.9/24$

reg_asym_atr_dd_rms vs Slug



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

Left Out: 1935.761+/-0.615 χ^2/NDF : 15575.4/6

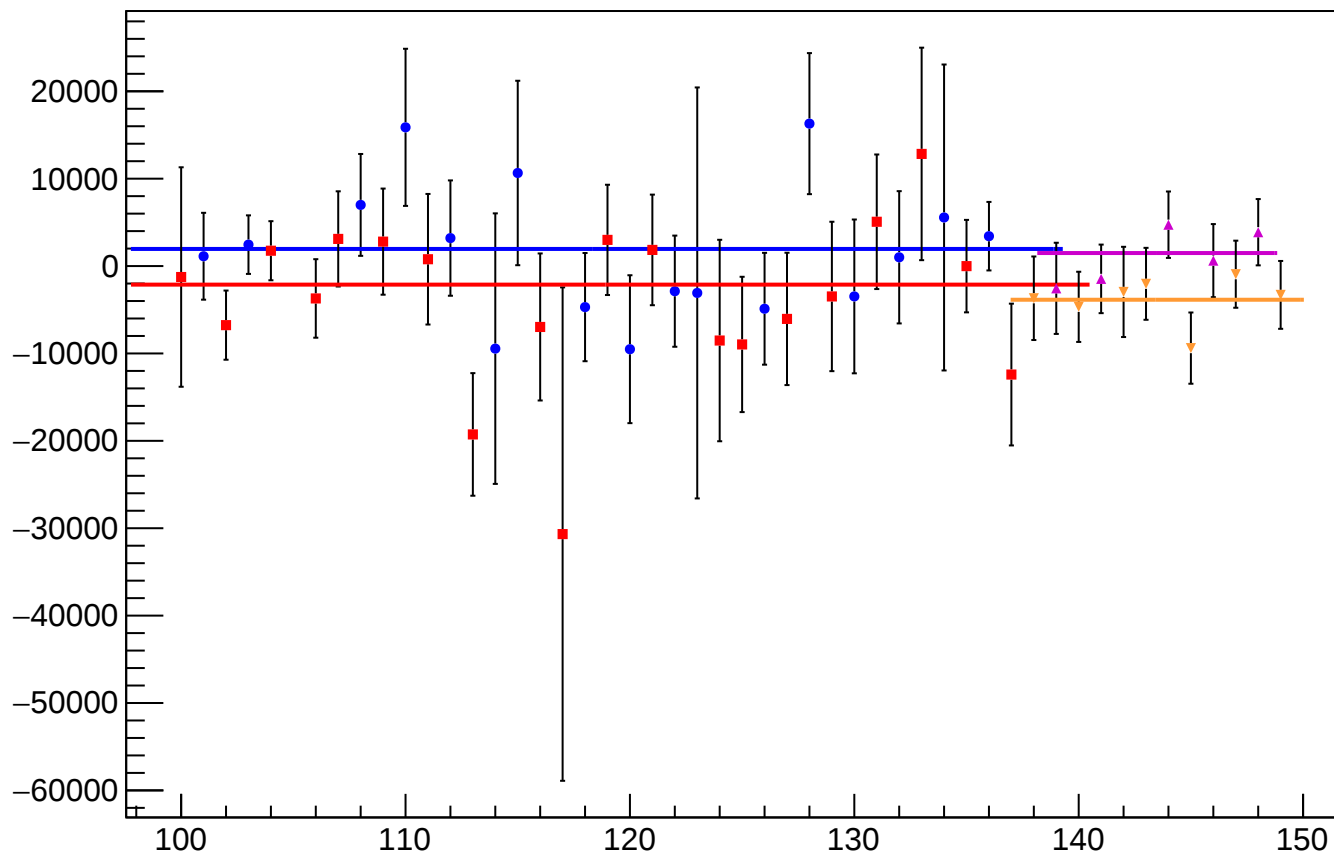
Right Out: 1899.955+/-0.514 χ^2/NDF : 211865.1/19

Left In: 1926.145+/-0.678 χ^2/NDF : 10930.8/4

1929.877+/-0.406 χ^2/NDF : 631601.4/23

1909.526+/-0.410 χ^2/NDF : 223743.6/24

asym_atr_dd_correction_mean vs Slug



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

Left Out: -3853.888 $\pm$ 1587.643 χ^2 /NDF: 2.7/6

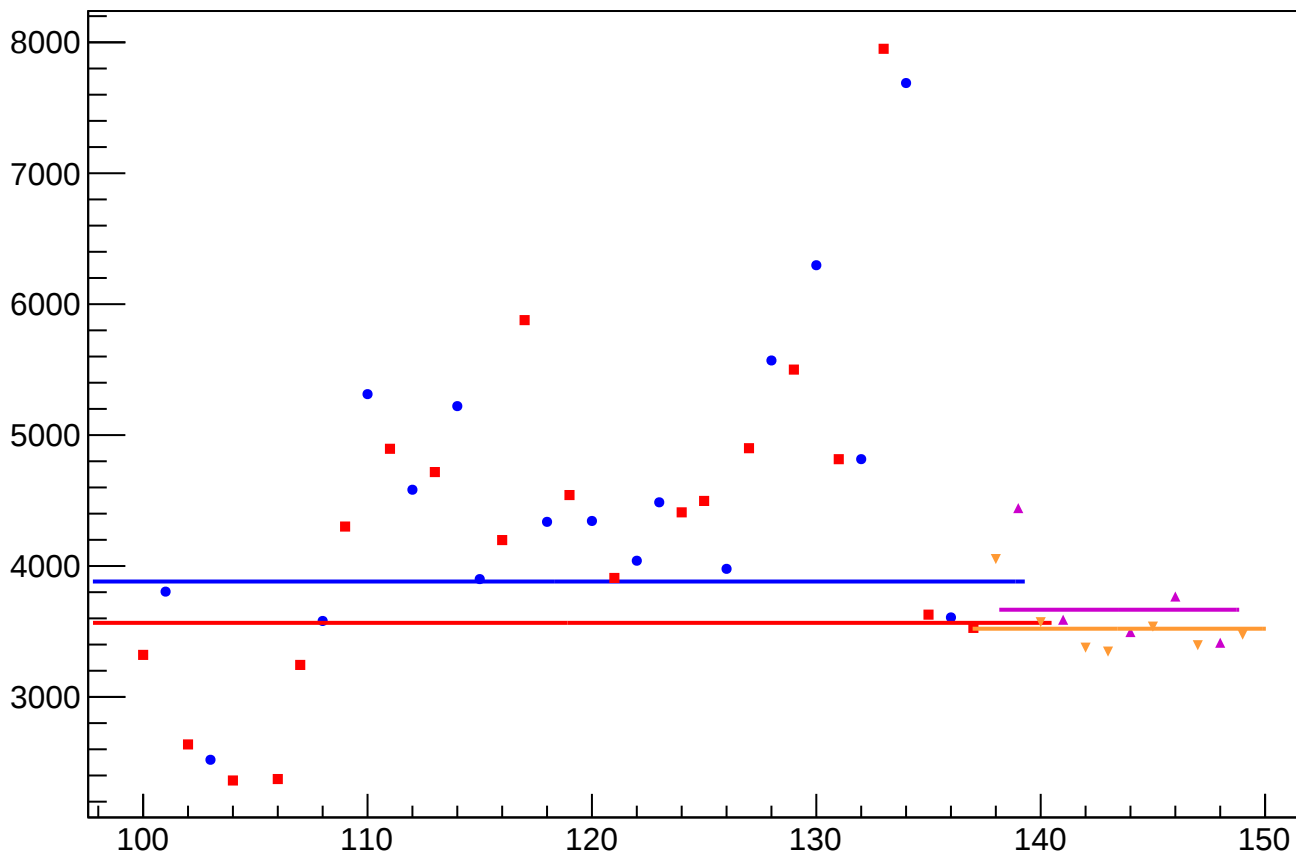
Right Out: -2124.415 $\pm$ 1411.872 χ^2 /NDF: 18.5/19

Left In: 1490.358 $\pm$ 1832.905 χ^2 /NDF: 2.3/4

-890.477 $\pm$ 1111.583 χ^2 /NDF: 22.5/23

-778.304 $\pm$ 1118.510 χ^2 /NDF: 23.2/24

asym_atr_dd_correction_rms vs Slug



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

Left Out: 3521.057 ± 1.123 χ^2/NDF : 32733.9/6

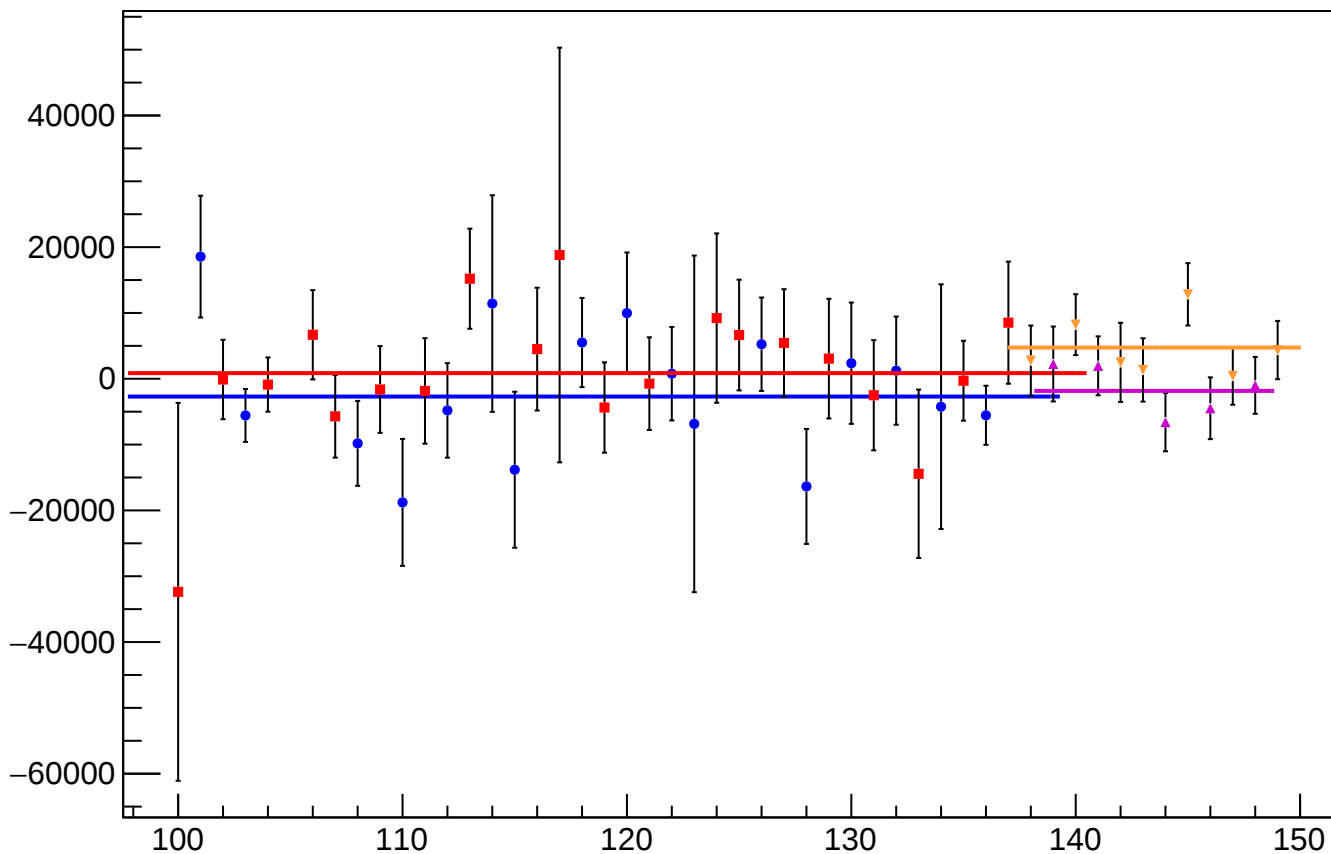
Right Out: 3565.851 ± 0.998 χ^2/NDF : 1254973.6/19

Left In: 3666.076 ± 1.296 χ^2/NDF : 59068.2/4

3704.848 ± 0.786 χ^2/NDF : 902775.6/23

3603.174 ± 0.791 χ^2/NDF : 1317795.0/24

asym_atr_dd_mean vs Slug



Right In: -2700.702 ± 1809.055 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 4743.644 ± 1823.709 $\chi^2/\text{NDF}: 5.2/6$

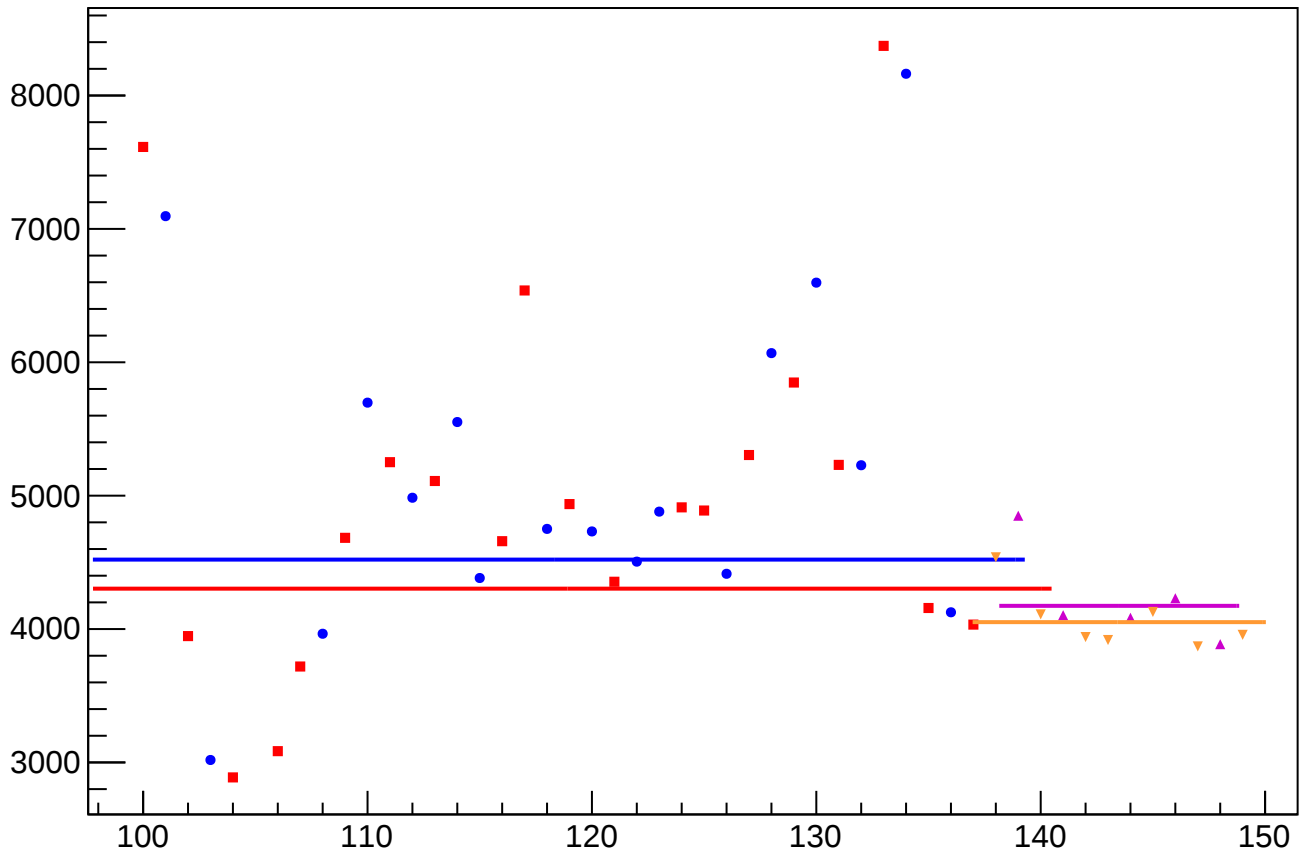
Right Out: 857.617 ± 1687.925 $\chi^2/\text{NDF}: 11.9/19$

Left In: -1842.436 ± 2082.333 $\chi^2/\text{NDF}: 2.7/4$

991.444 ± 1284.345 $\chi^2/\text{NDF}: 33.4/23$

-213.013 ± 1311.245 $\chi^2/\text{NDF}: 15.6/24$

asym_atr_dd_rms vs Slug



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

Left Out: 4051.838+/-1.290 χ^2/NDF : 24089.6/6

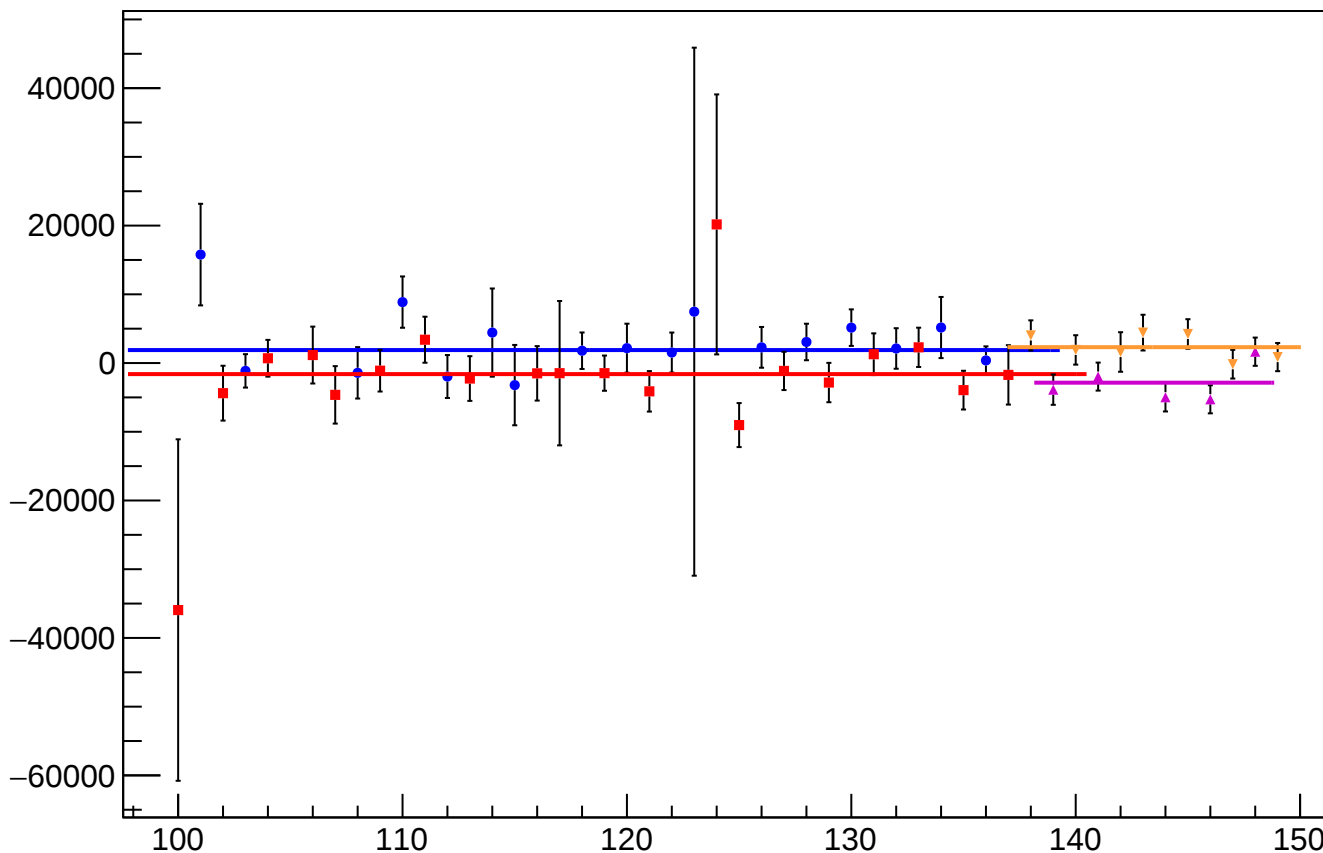
Right Out: 4302.892+/-1.187 χ^2/NDF : 781886.1/19

Left In: 4174.034+/-1.472 χ^2/NDF : 38603.4/4

4288.152+/-0.908 χ^2/NDF : 861602.5/23

4252.139+/-0.924 χ^2/NDF : 825131.6/24

reg_asym_at1_avg_mean vs Slug



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

Left Out: 2310.986+/-851.691 χ^2/NDF : 4.1/6

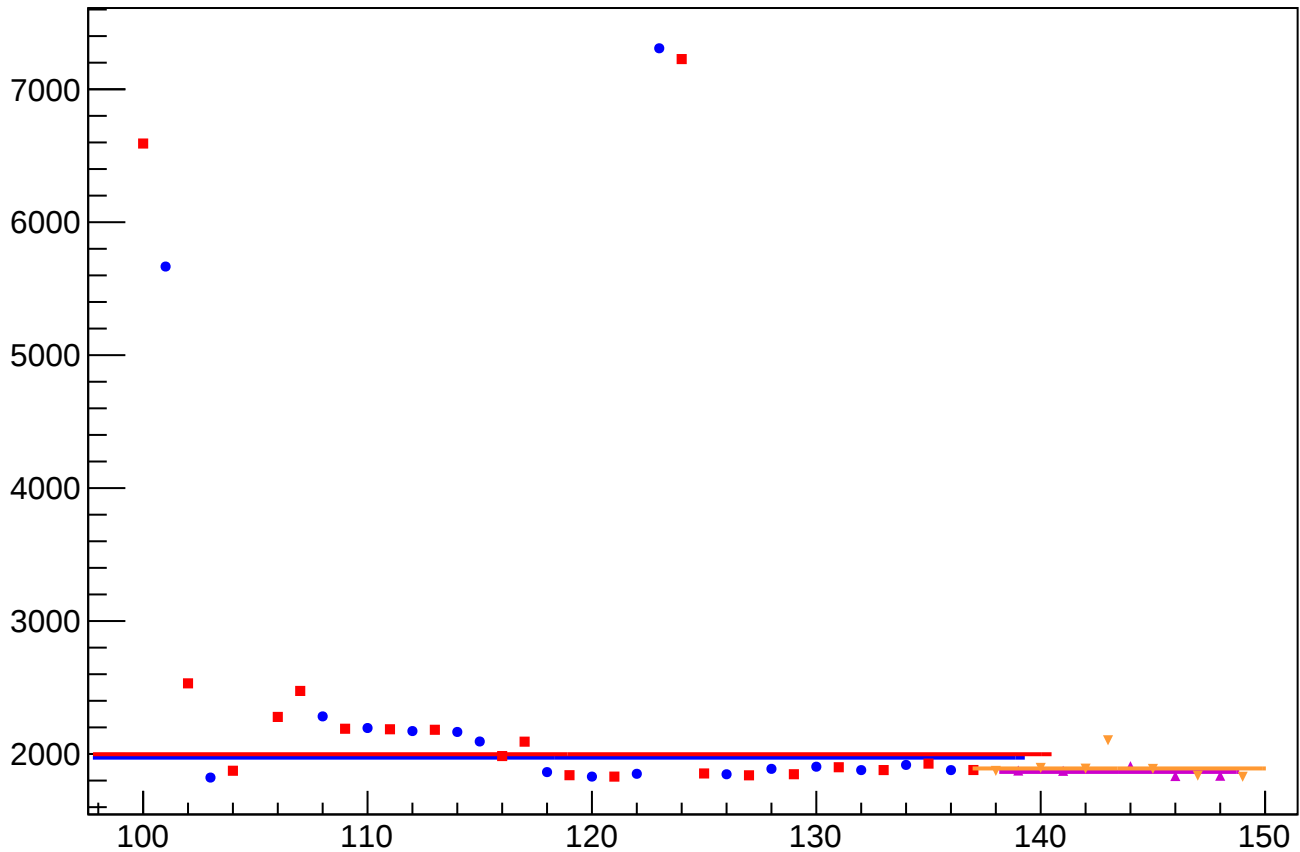
Right Out: -1609.604+/-763.815 χ^2/NDF : 17.5/19

Left In: -2857.969+/-930.051 χ^2/NDF : 7.7/4

2081.926+/-576.751 χ^2/NDF : 18.9/23

-2112.440+/-590.268 χ^2/NDF : 26.2/24

reg_asym_at1_avg_rms vs Slug



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

Left Out: 1891.175+/-0.602 χ^2/NDF :16636.7/6

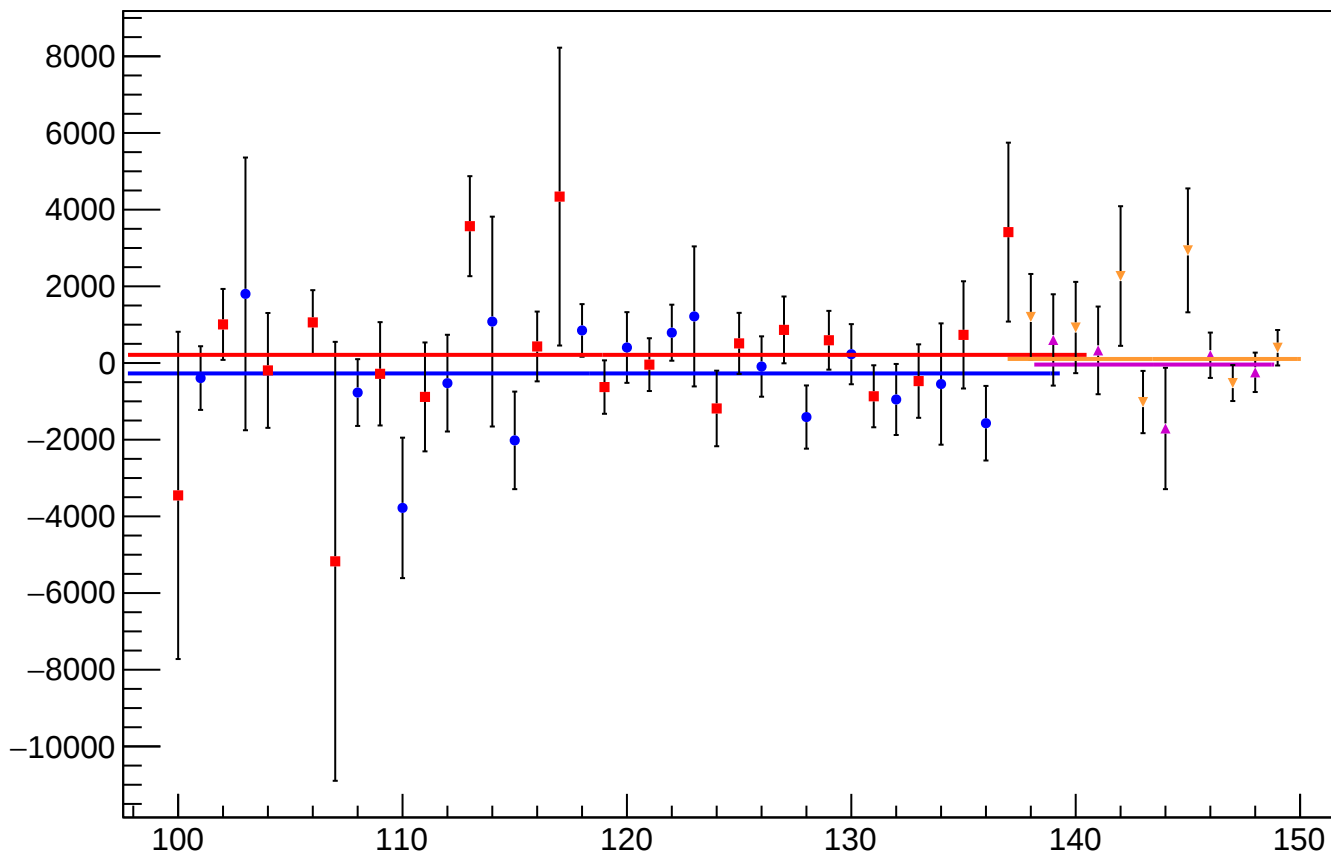
Right Out: 1998.150+/-0.540 χ^2/NDF : 355735.1/19

Left In: 1865.109+/-0.658 χ^2/NDF :1803.1/4

1935.198+/-0.408 χ^2/NDF : 627375.3/23

1944.562+/-0.417 χ^2/NDF : 381978.6/24

asym_at1_avg_correction_mean vs Slug



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

Left Out: 105.716+/-278.277 χ^2/NDF : 10.0/6

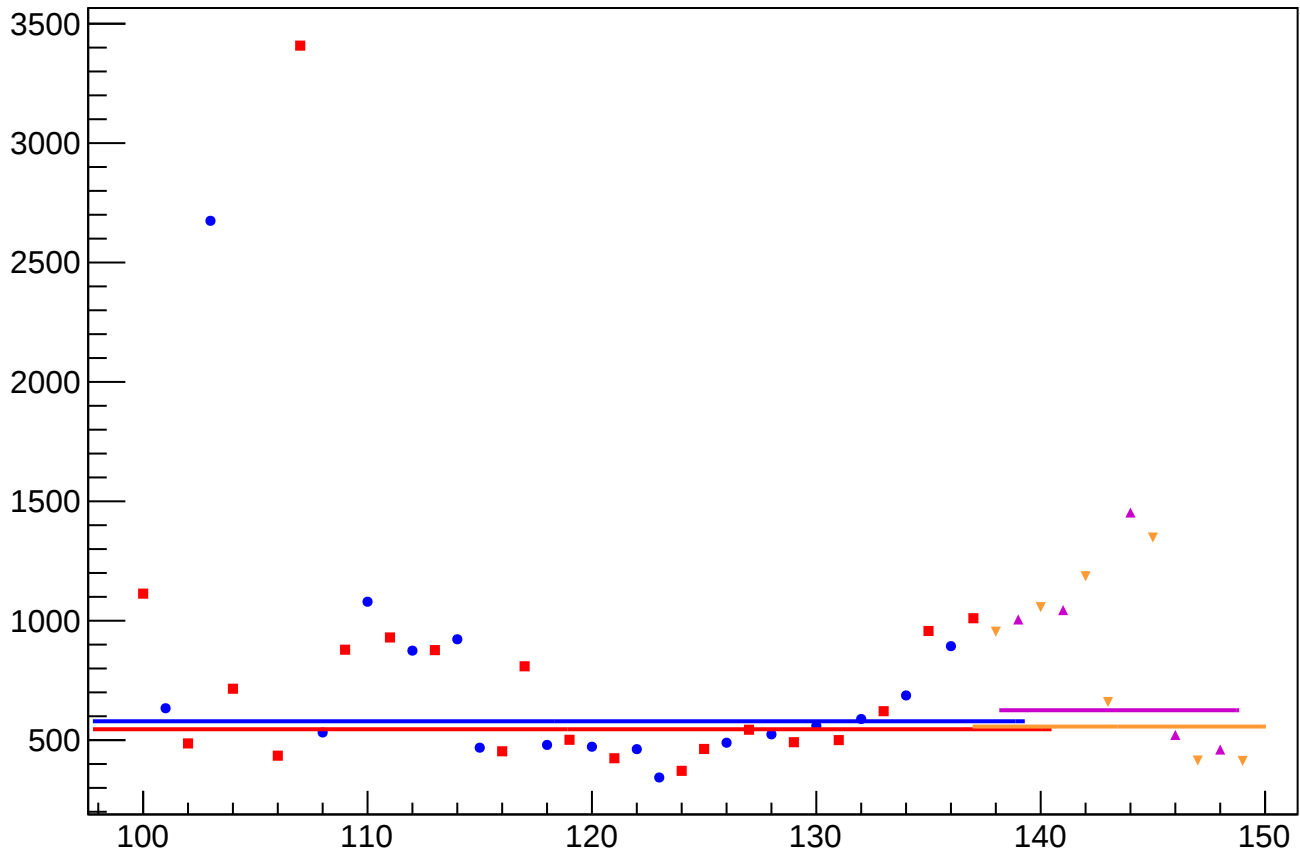
Right Out: 212.774+/-228.638 χ^2/NDF : 20.9/19

Left In: -40.511+/-342.673 χ^2/NDF : 1.8/4

-110.592+/-181.837 χ^2/NDF : 28.3/23

134.751+/-190.190 χ^2/NDF : 23.1/24

asym_at1_avg_correction_rms vs Slug



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

Left Out: 556.786+/-0.197 χ^2/NDF : 1731773.3/6

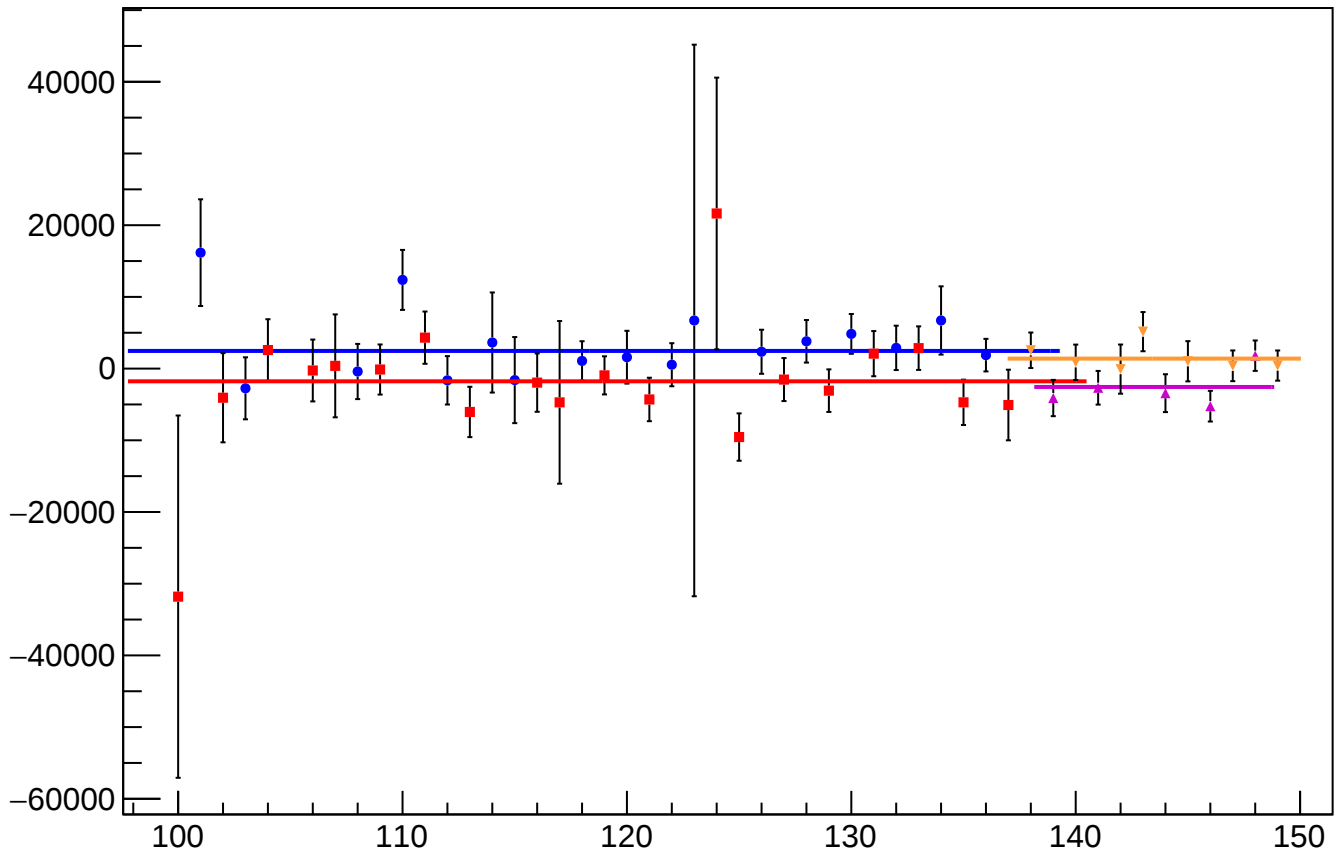
Right Out: 545.590+/-0.162 χ^2/NDF : 1467038.8/19

Left In: 625.139+/-0.242 χ^2/NDF : 1286383.2/4

569.521+/-0.129 χ^2/NDF : 3161231.6/23

570.095+/-0.134 χ^2/NDF : 2828000.4/24

asym_at1_avg_mean vs Slug



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

Left Out: 1392.028+/-946.269 χ^2/NDF : 2.8/6

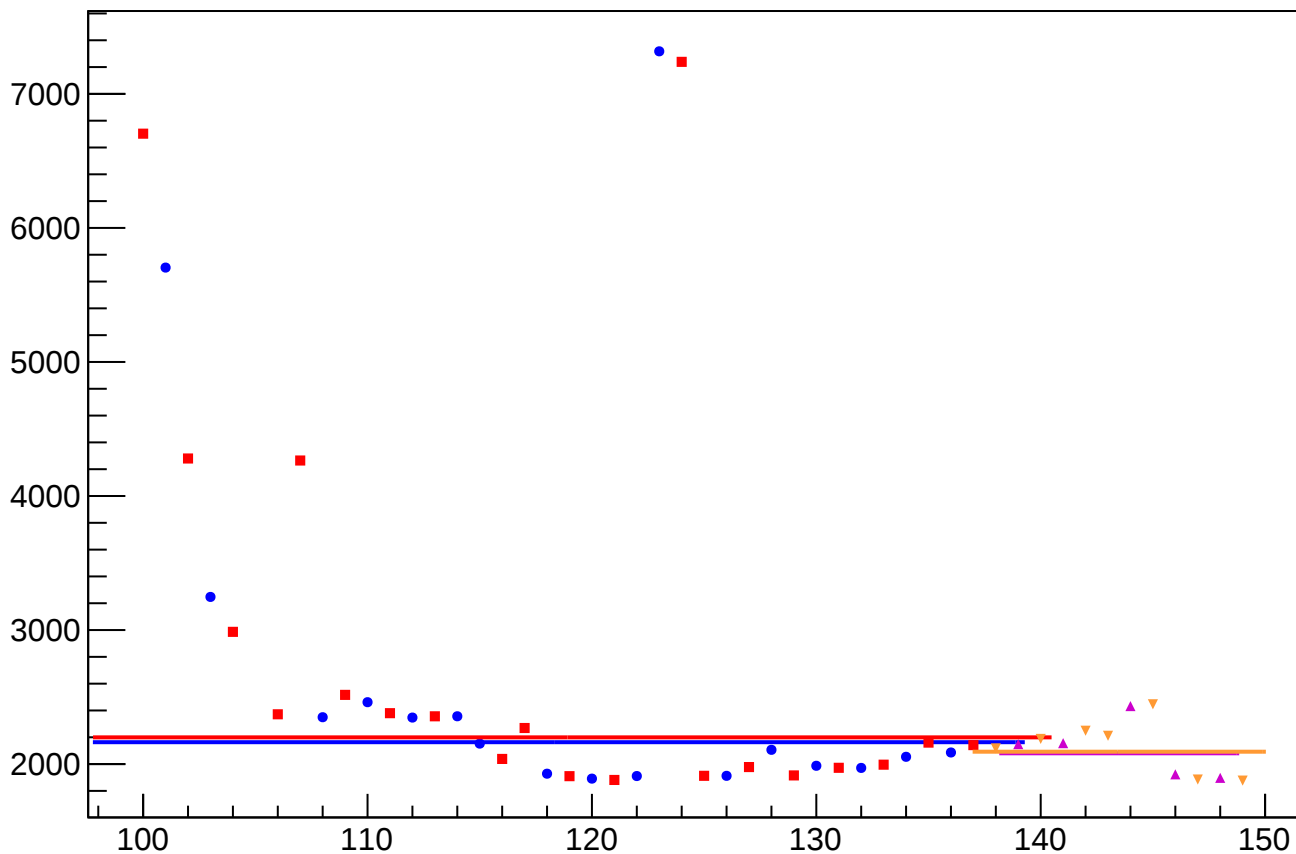
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

Left In: -2561.975+/-1041.732 χ^2/NDF : 6.3/4

1977.166+/-637.723 χ^2/NDF : 19.0/23

-2088.969+/-658.997 χ^2/NDF : 27.2/24

asym_at1_avg_rms vs Slug



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

Left Out: 2092.373+/-0.669 χ^2/NDF : 82676.5/6

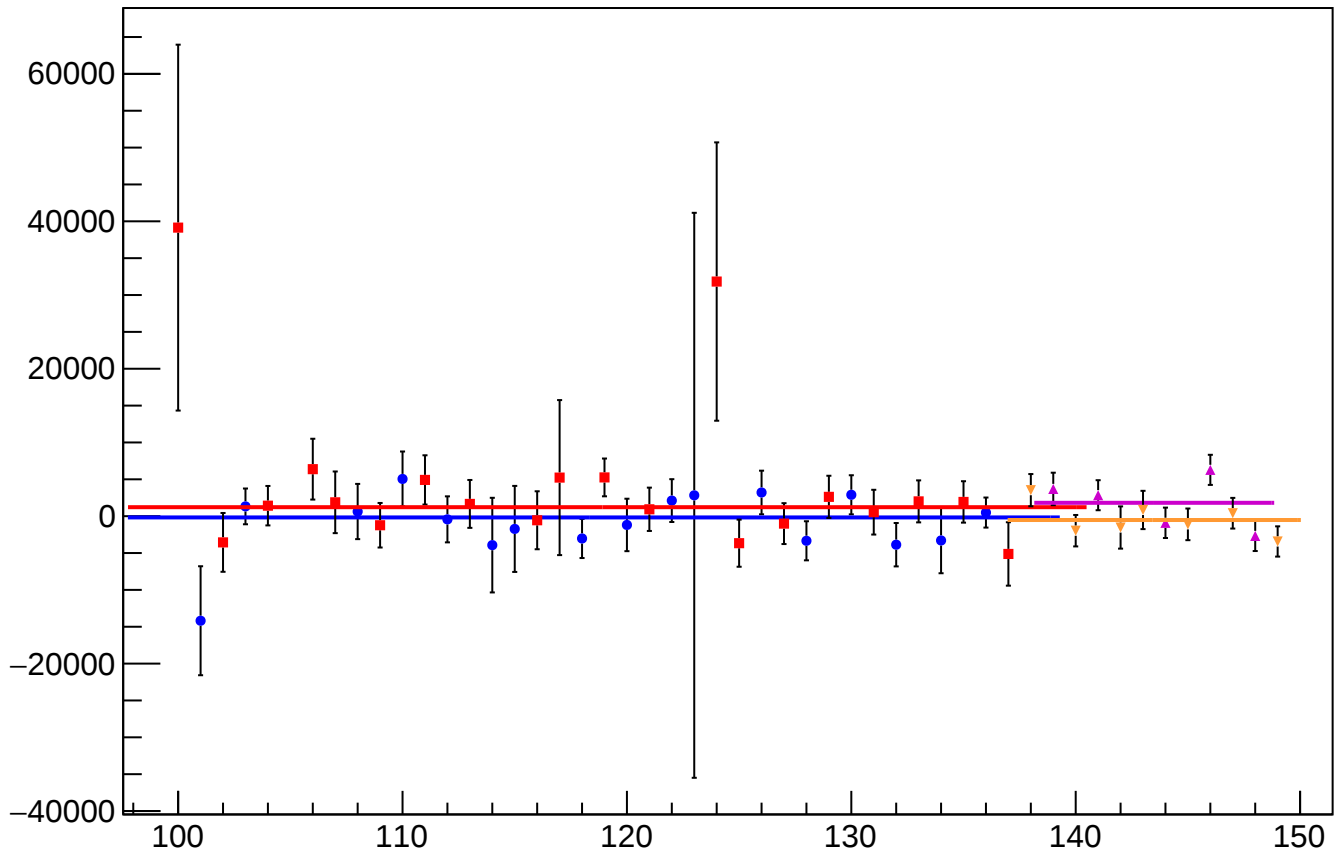
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

Left In: 2080.489+/-0.737 χ^2/NDF : 64771.6/4

2131.087+/-0.451 χ^2/NDF : 798394.4/23

2151.813+/-0.466 χ^2/NDF : 883775.3/24

reg_asym_at1_dd_mean vs Slug



Right In: -170.351+/-782.384 χ^2/NDF : 14.5/16

Left Out: -520.810+/-849.920 χ^2/NDF : 6.6/6

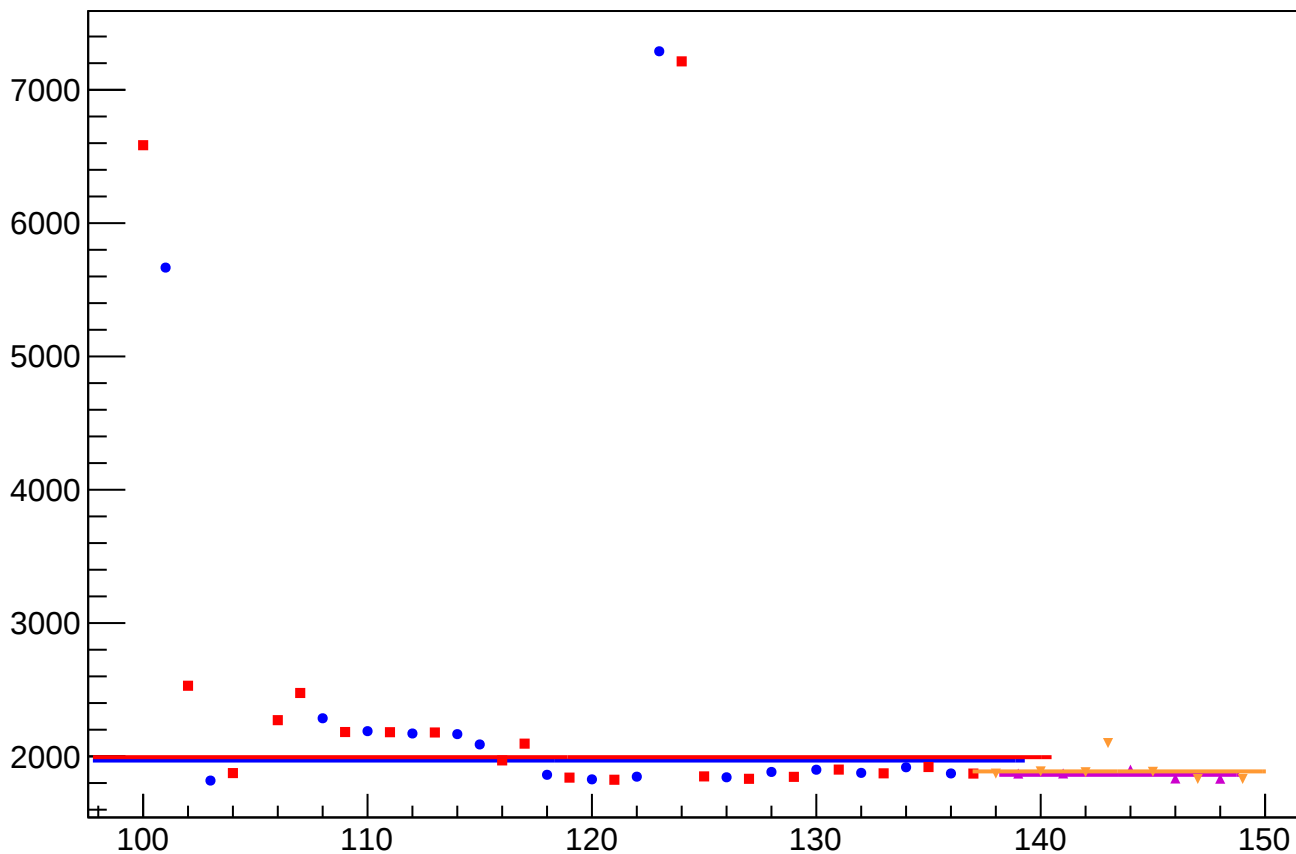
Right Out: 1218.753+/-762.243 χ^2/NDF : 18.3/19

Left In: 1813.349+/-928.344 χ^2/NDF : 12.3/4

-331.105+/-575.626 χ^2/NDF : 21.2/23

1458.190+/-589.106 χ^2/NDF : 30.9/24

reg_asym_at1_dd_rms vs Slug



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

Left Out: 1887.217+/-0.601 χ^2/NDF :16554.6/6

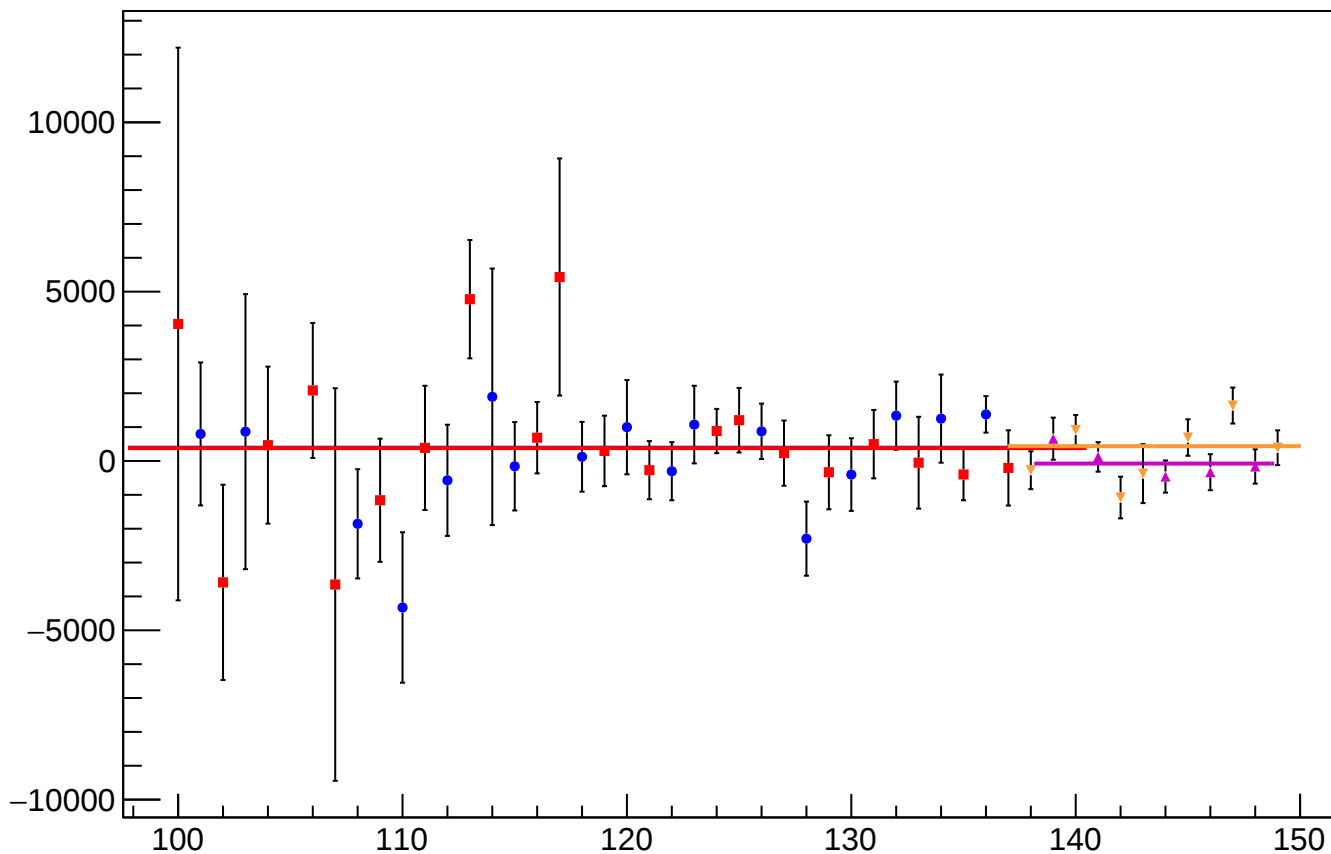
Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

Left In: 1861.720+/-0.656 χ^2/NDF :1560.5/4

1931.287+/-0.407 χ^2/NDF : 629461.5/23

1940.707+/-0.417 χ^2/NDF : 382159.7/24

asym_at1_dd_correction_mean vs Slug



Right In: 390.923 $\pm$ 270.128 χ^2 /NDF: 20.0/16

Left Out: 437.775 $\pm$ 208.607 χ^2 /NDF:15.0/6

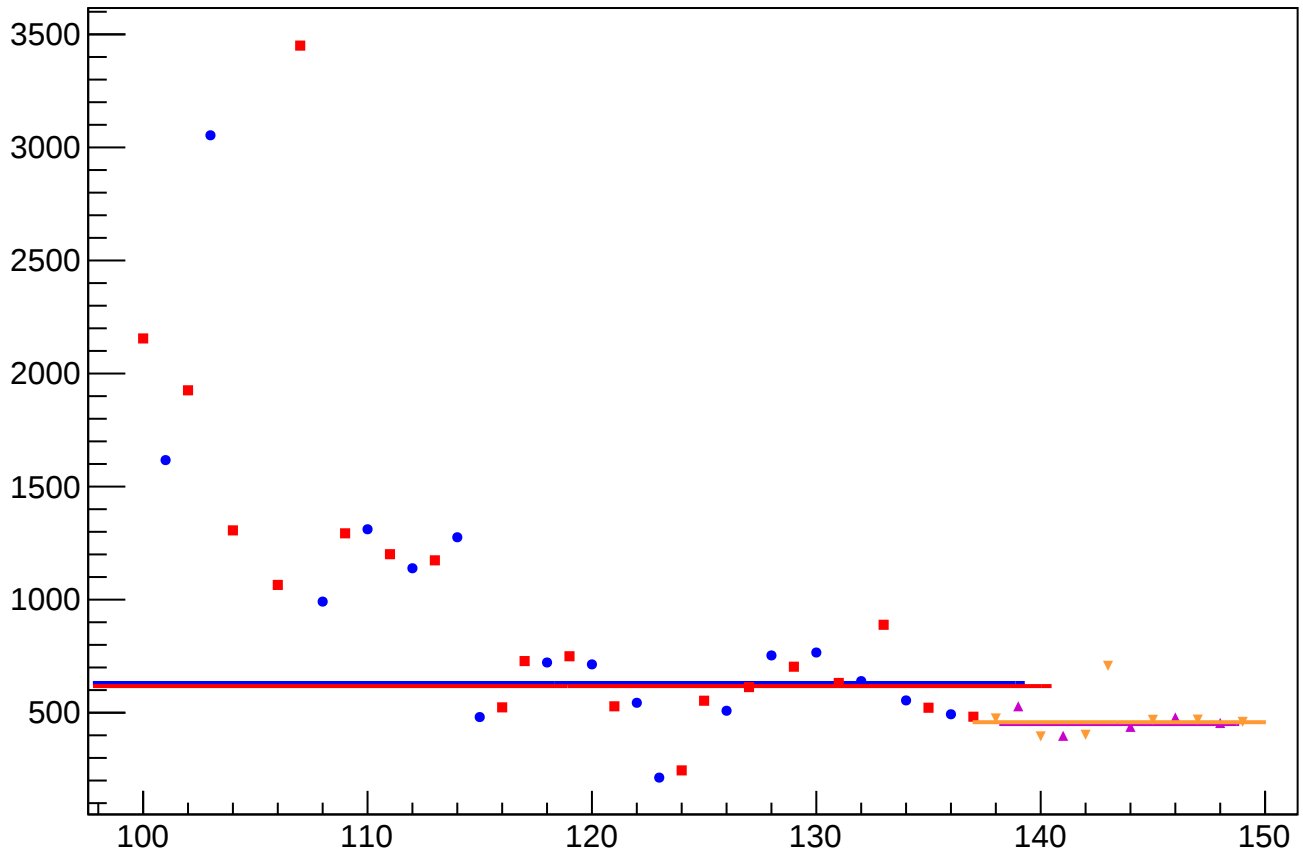
Right Out: 379.833 $\pm$ 265.331 χ^2 /NDF: 16.3/19

Left In: -76.100 $\pm$ 225.207 χ^2 /NDF:2.5/4

420.272 $\pm$ 165.105 χ^2 /NDF: 35.1/23

114.820 $\pm$ 171.698 χ^2 /NDF: 20.6/24

asym_at1_dd_correction_rms vs Slug



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

Left Out: 458.013+/-0.148 χ^2/NDF : 223601.9/6

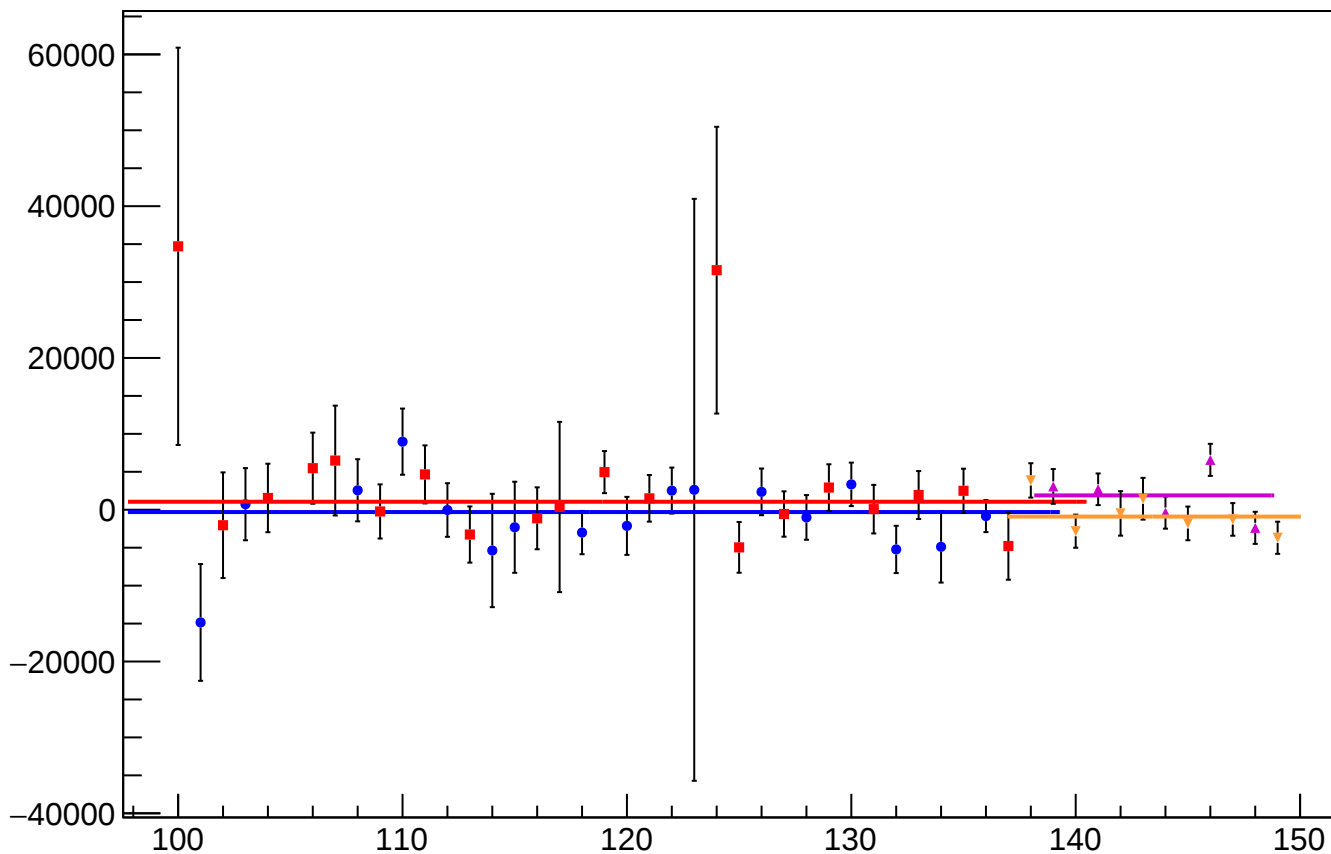
522.798+/-0.117 χ^2/NDF : 3000634.1/23

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

520.041+/-0.121 χ^2/NDF : 3338101.9/24

Left In: 449.704+/-0.159 χ^2/NDF : 68052.4/4

asym_at1_dd_mean vs Slug



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

Left Out: -901.265+/-878.364 χ^2/NDF : 7.9/6

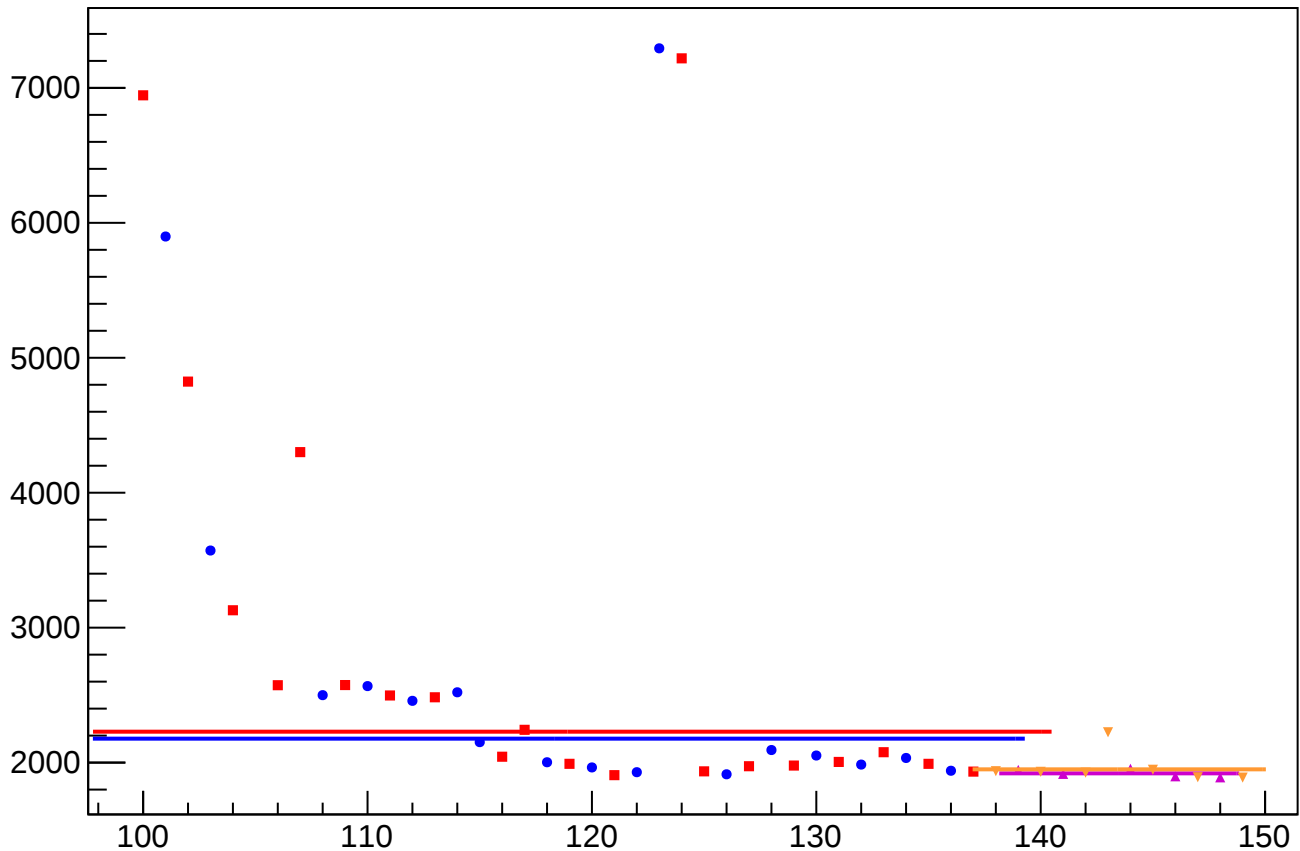
Right Out: 1052.718+/-864.863 χ^2/NDF : 16.6/19

Left In: 1888.956+/-957.449 χ^2/NDF : 10.5/4

-601.297+/-618.807 χ^2/NDF : 25.3/23

1428.460+/-641.794 χ^2/NDF : 27.6/24

asym_at1_dd_rms vs Slug



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

Left Out: 1950.035+/-0.621 χ^2 /NDF:23467.0/6

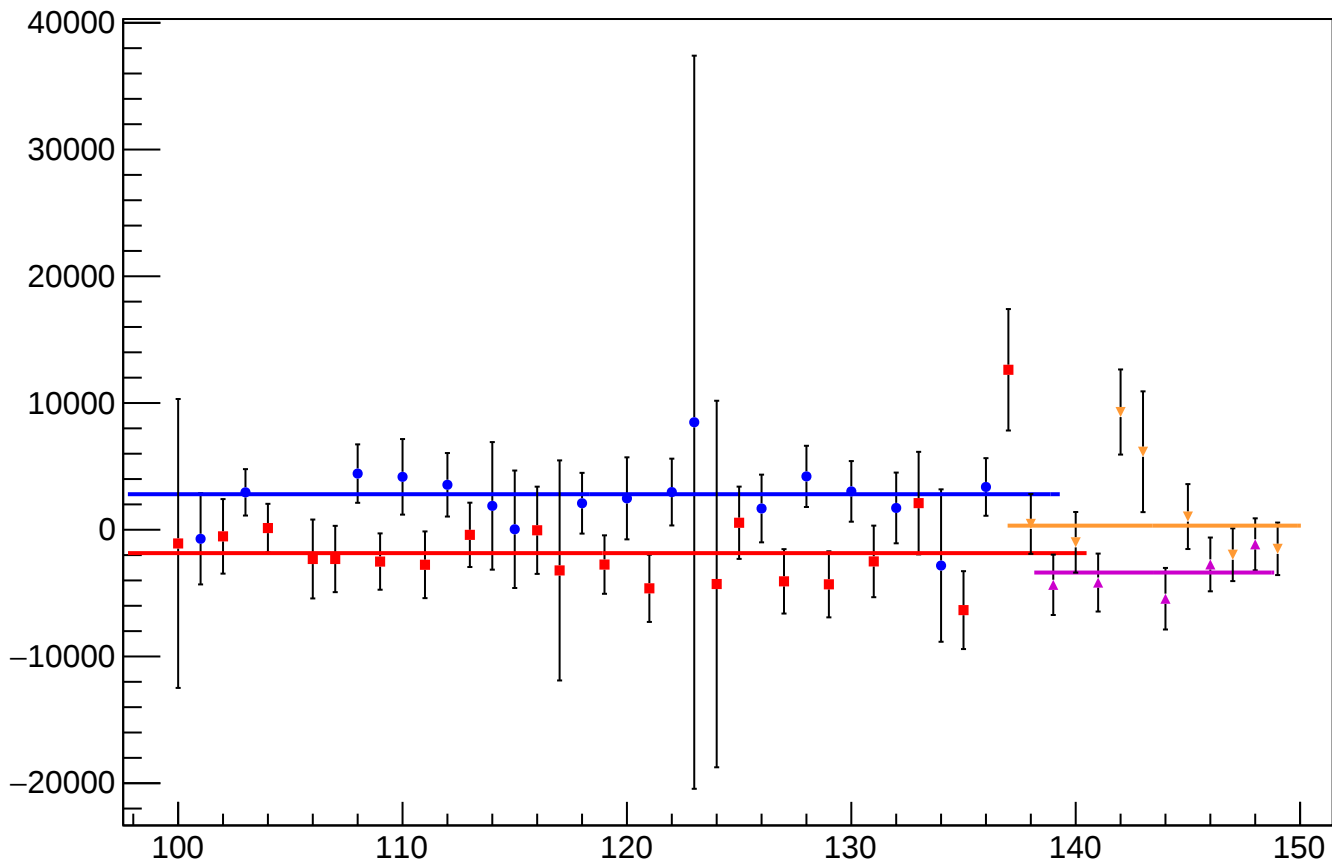
2064.578+/-0.438 χ^2 /NDF: 893828.0/23

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

2090.373+/-0.454 χ^2 /NDF: 1011707.9/24

Left In: 1920.357+/-0.677 χ^2 /NDF:1376.1/4

reg_asym_at2_avg_mean vs Slug



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

Left Out: 323.950+/-952.351 χ^2/NDF : 11.0/6

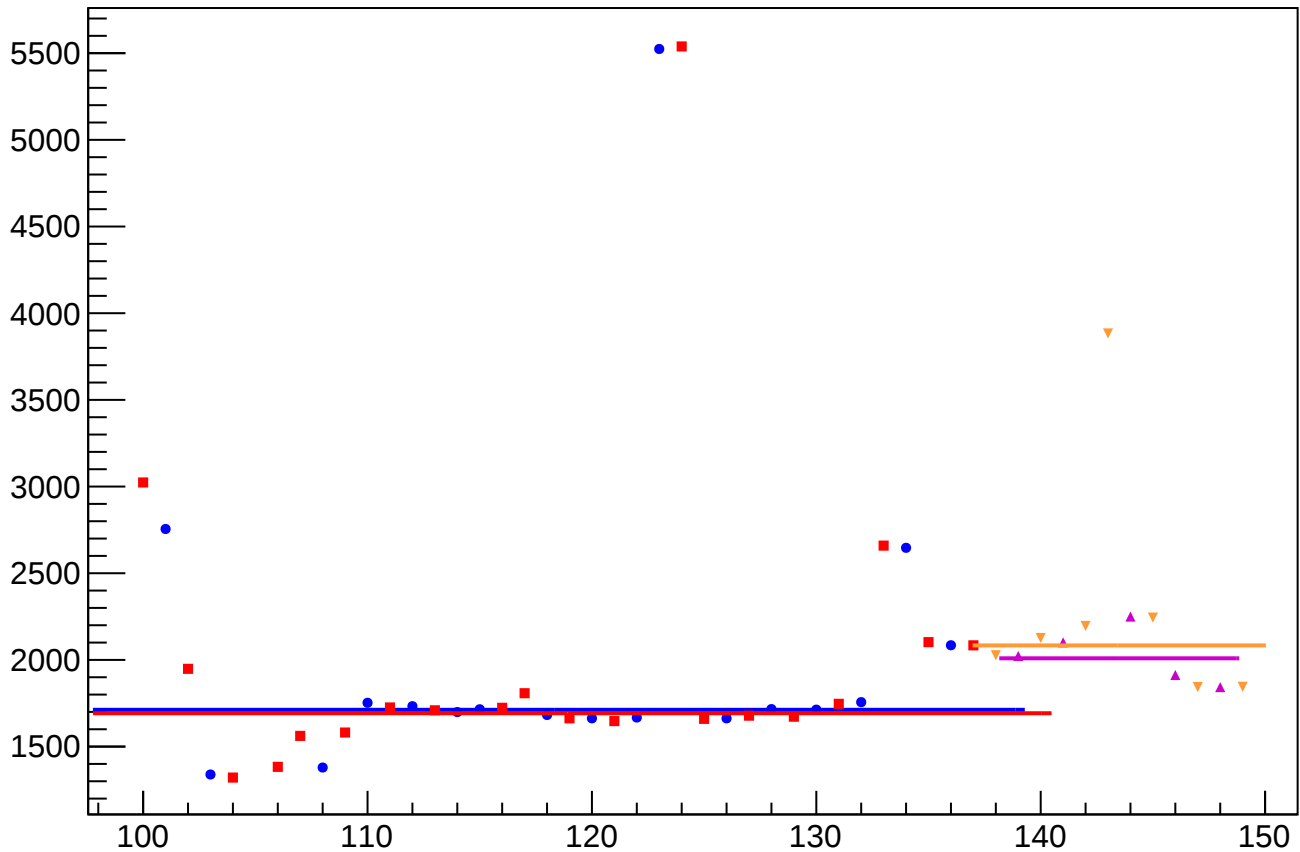
Right Out: -1844.945+/-653.448 χ^2/NDF : 18.1/19

Left In: -3377.284+/-1001.455 χ^2/NDF : 2.3/4

1968.868+/-552.624 χ^2/NDF : 19.4/23

-2302.528+/-547.254 χ^2/NDF : 22.0/24

reg_asym_at2_avg_rms vs Slug



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

Left Out: 2083.593+/-0.673 χ^2 /NDF:350293.3/6

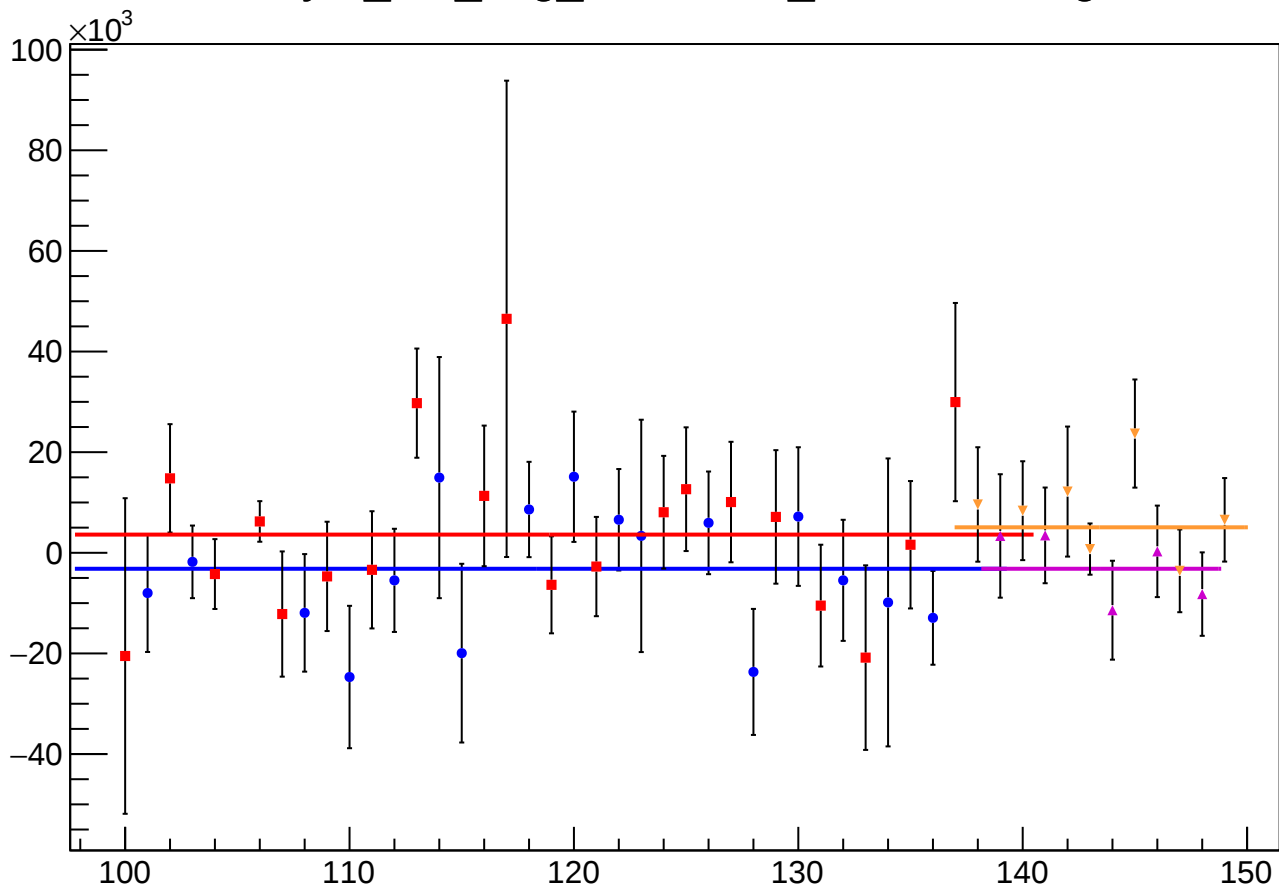
Right Out: 1692.404+/-0.462 χ^2 /NDF: 455277.5/19

Left In: 2009.225+/-0.708 χ^2 /NDF:40203.6/4

1837.224+/-0.391 χ^2 /NDF: 984566.5/23

1787.011+/-0.387 χ^2 /NDF: 635876.2/24

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 χ^2/NDF : 14.4/16

Left Out: 5066.198 ± 3152.682 χ^2/NDF : 5.4/6

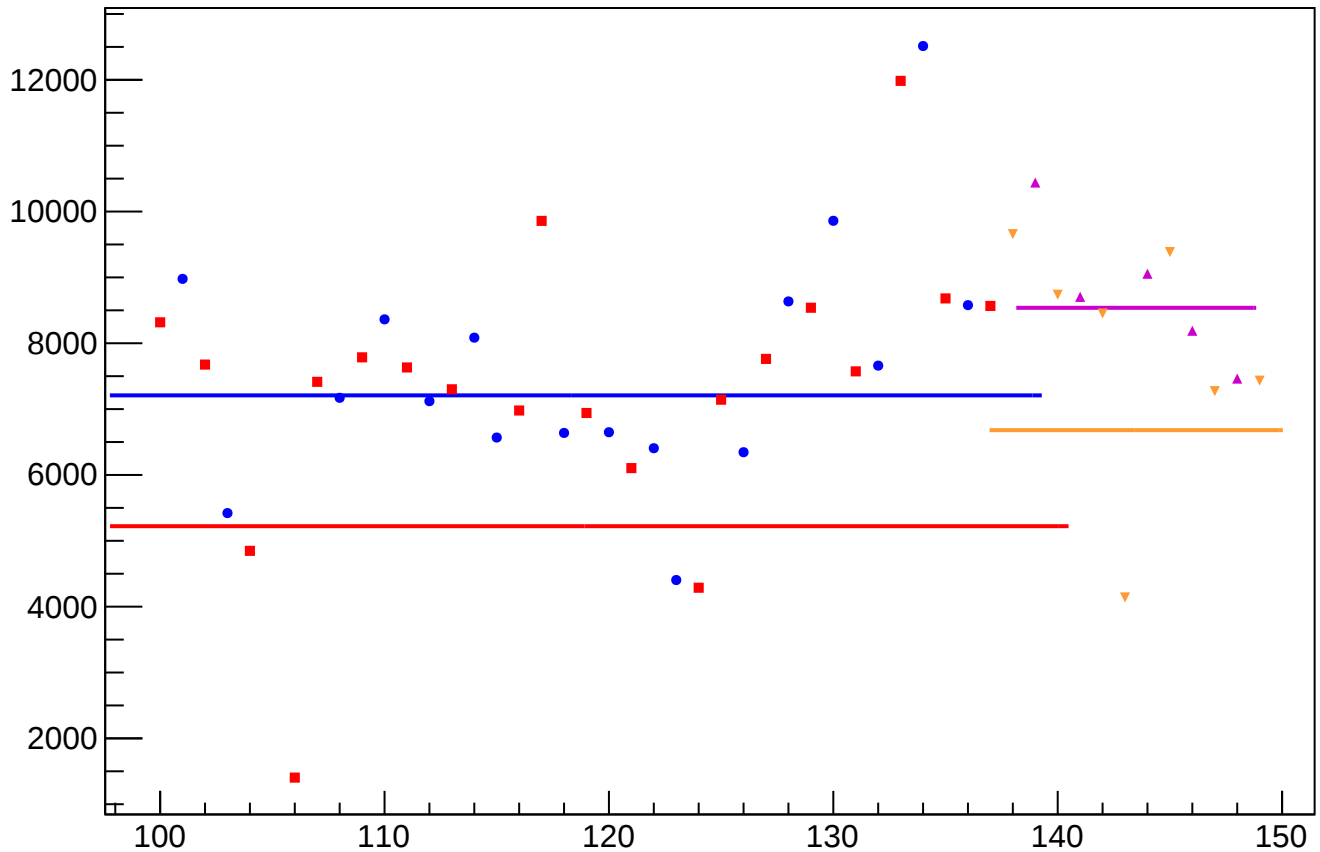
Right Out: 3618.416 ± 2263.938 χ^2/NDF : 20.3/19

Left In: -3170.875 ± 4276.429 χ^2/NDF : 2.0/4

534.896 ± 2114.995 χ^2/NDF : 23.6/23

2132.167 ± 2000.852 χ^2/NDF : 24.3/24

asym_at2_avg_correction_rms vs Slug



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

Left Out: 6680.238 ± 2.229 χ^2/NDF : 913573.9/6

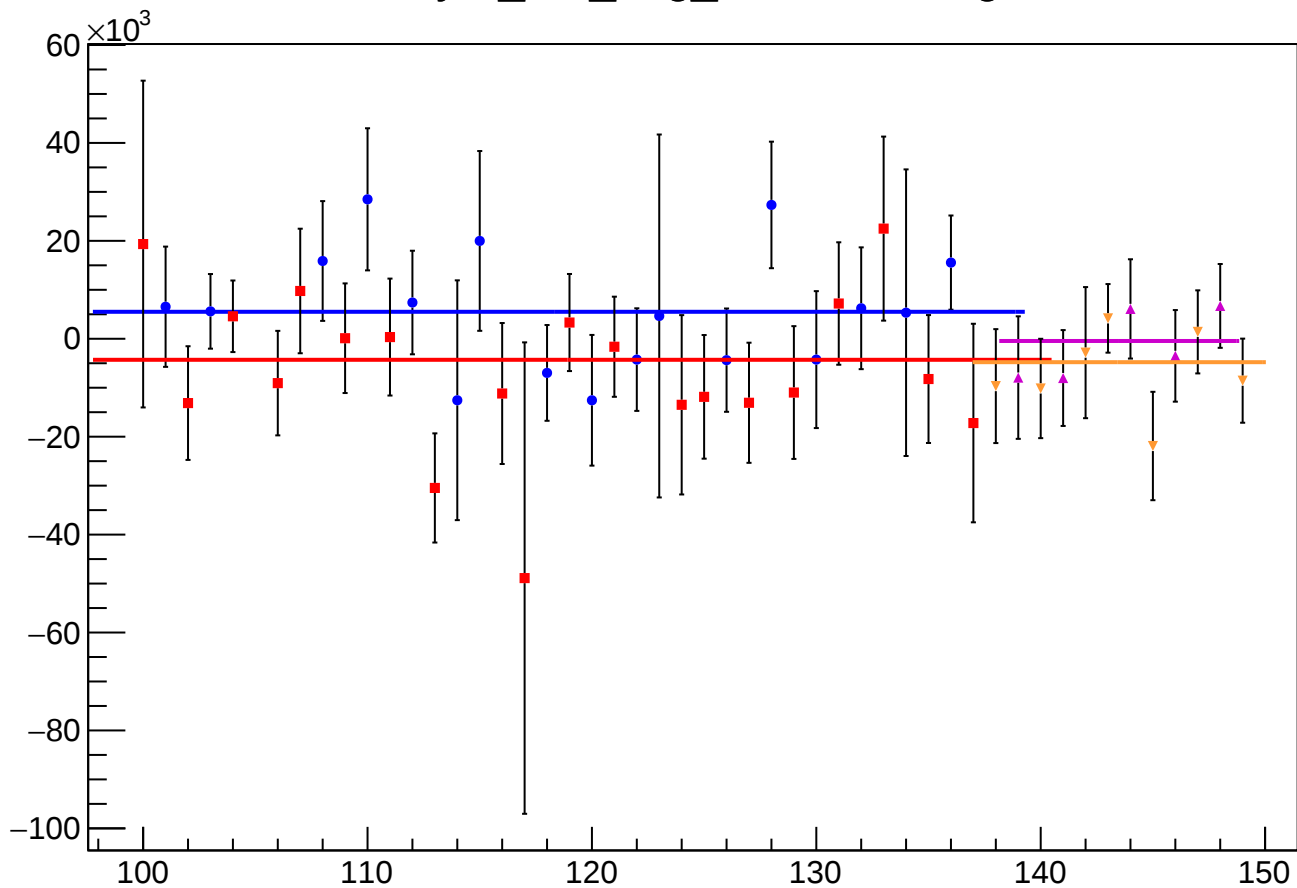
Right Out: 5221.816 ± 1.601 χ^2/NDF : 3216100.5/19

Left In: 8538.236 ± 3.024 χ^2/NDF : 90763.4/4

6970.794 ± 1.496 χ^2/NDF : 1413764.9/23

5947.816 ± 1.415 χ^2/NDF : 4246386.3/24

asym_at2_avg_mean vs Slug



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

Left Out: -4782.534 $\pm$ 3565.375 χ^2 /NDF: 5.2/6

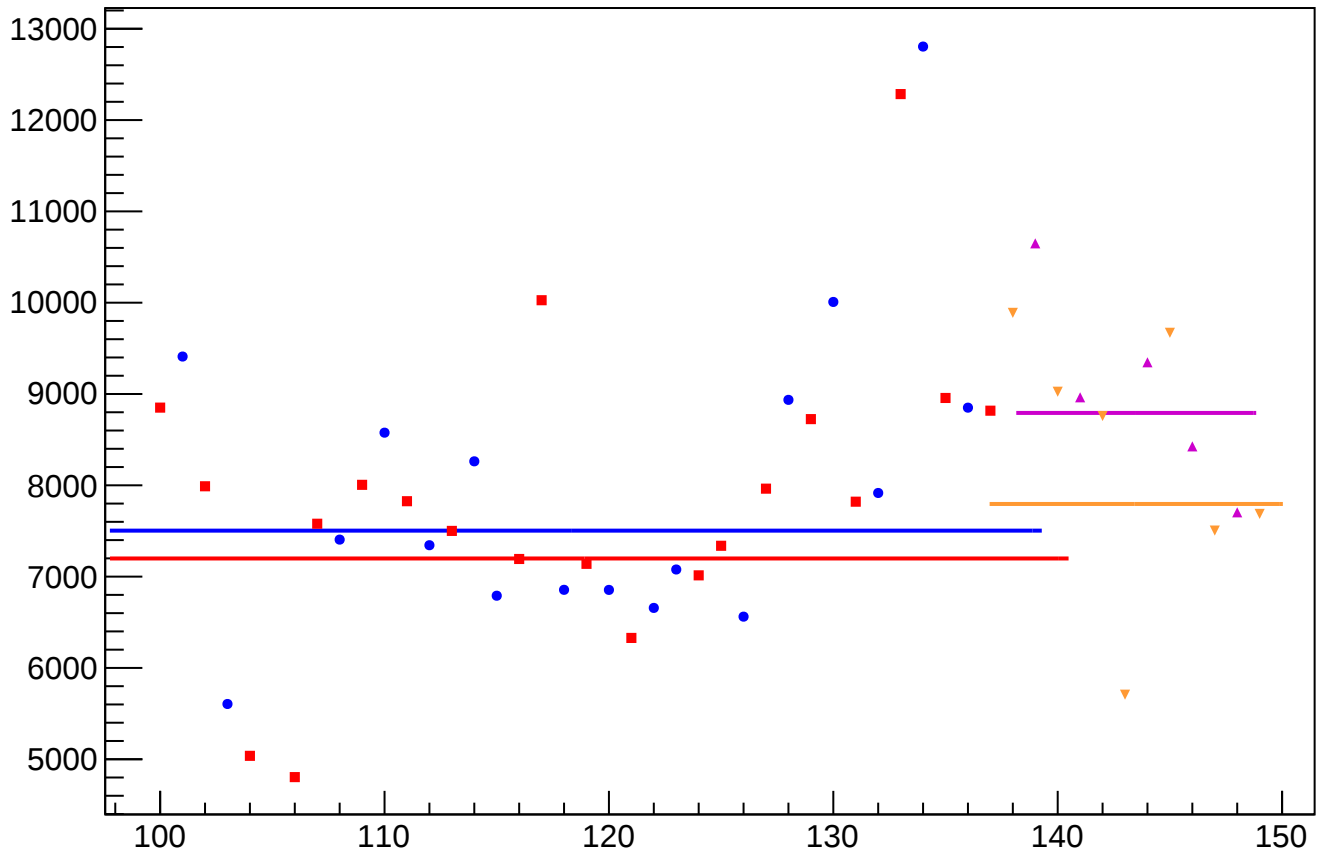
Right Out: -4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

Left In: -452.646 $\pm$ 4401.389 χ^2 /NDF: 2.2/4

1291.580 $\pm$ 2282.447 χ^2 /NDF: 24.2/23

-3196.727 $\pm$ 2353.761 χ^2 /NDF: 19.0/24

asym_at2_avg_rms vs Slug



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

Left Out: 7795.672+/-2.521 χ^2/NDF : 342225.1/6

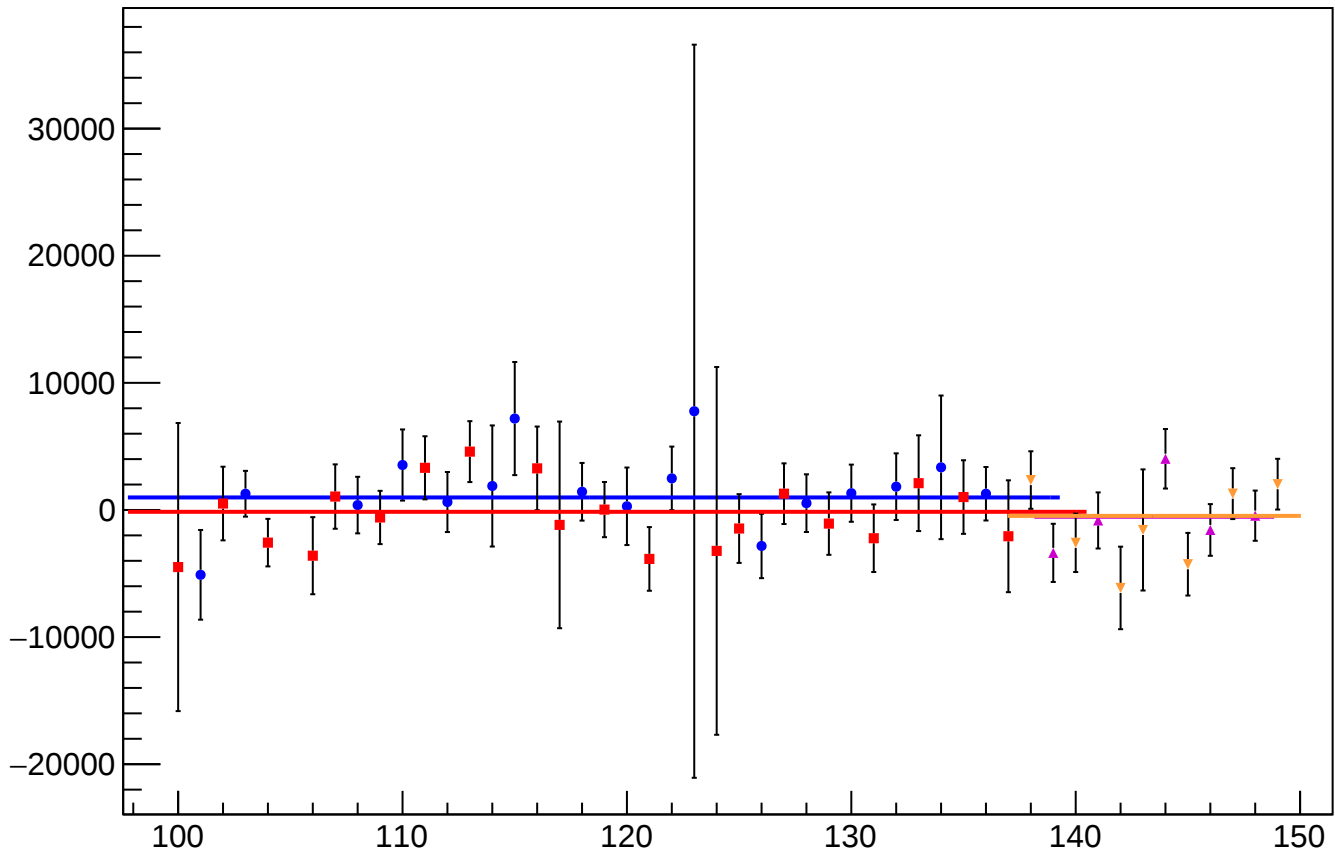
Right Out: 7198.728+/-1.969 χ^2/NDF : 564629.1/19

Left In: 8792.711+/-3.112 χ^2/NDF : 86054.3/4

7623.332+/-1.614 χ^2/NDF : 777456.3/23

7654.502+/-1.664 χ^2/NDF : 837991.2/24

reg_asym_at2_dd_mean vs Slug



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

Left Out: -465.521 ± 917.194 χ^2/NDF : 10.2/6

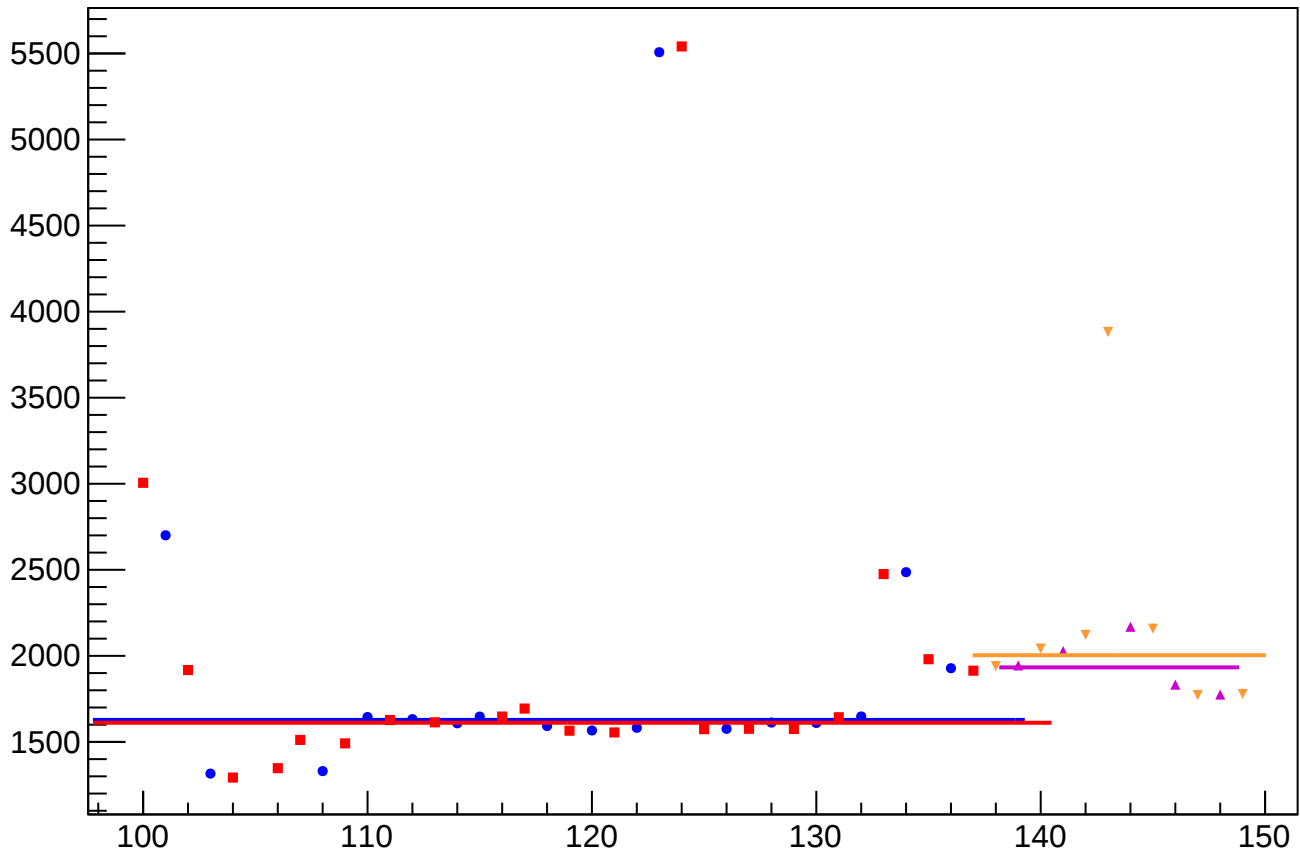
Right Out: -144.683 ± 621.728 χ^2/NDF : 14.7/19

Left In: -533.863 ± 963.595 χ^2/NDF : 5.6/4

505.700 ± 527.399 χ^2/NDF : 20.9/23

-259.077 ± 522.423 χ^2/NDF : 20.4/24

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836+/-0.456 χ^2/NDF : 407106.6/16

Left Out: 2003.747+/-0.649 χ^2/NDF : 375839.9/6

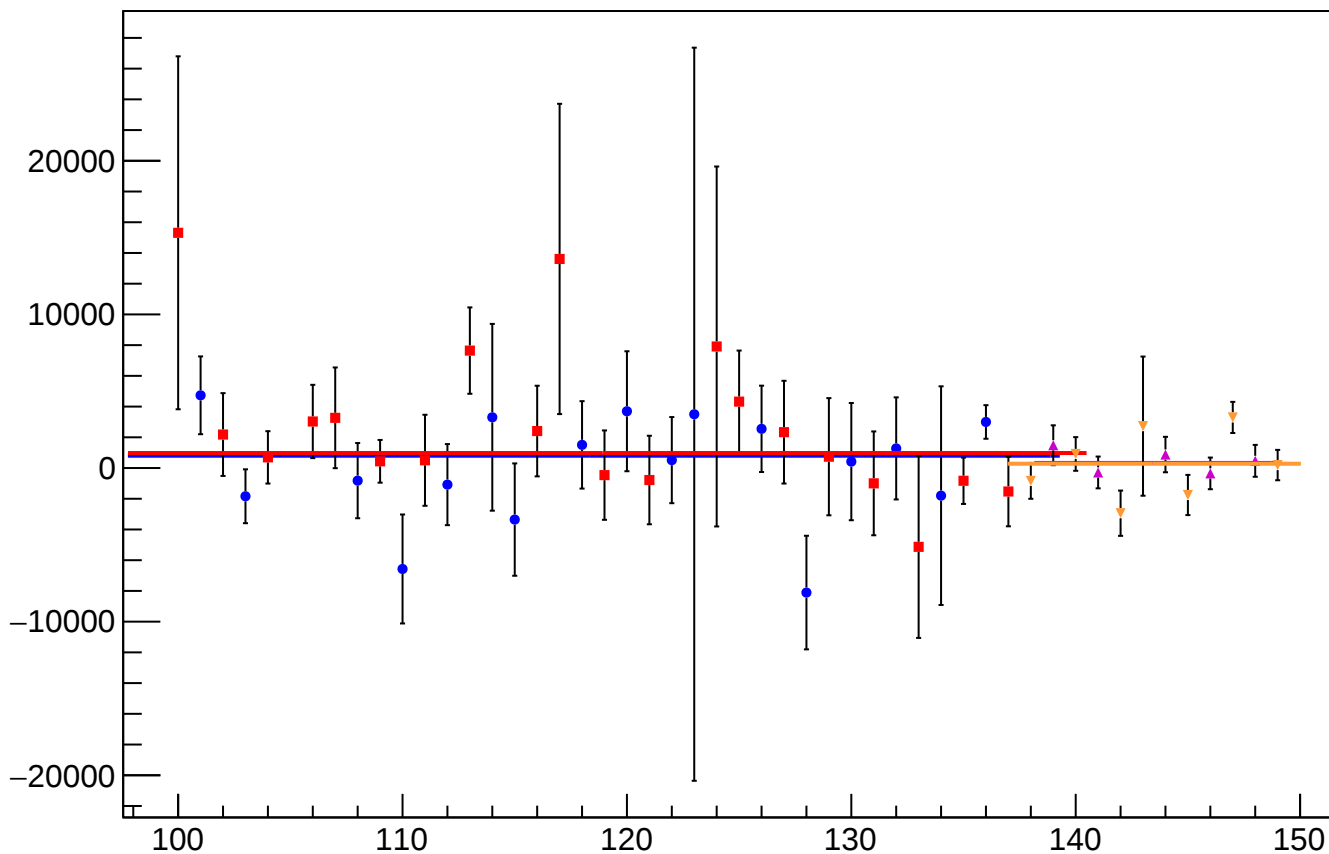
Right Out: 1611.433+/-0.440 χ^2/NDF : 434167.6/19

Left In: 1933.144+/-0.681 χ^2/NDF : 41708.5/4

1752.128+/-0.373 χ^2/NDF : 1007819.3/23

1705.996+/-0.369 χ^2/NDF : 633279.8/24

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 280.560 $\pm$ 463.376 χ^2 /NDF:17.6/6

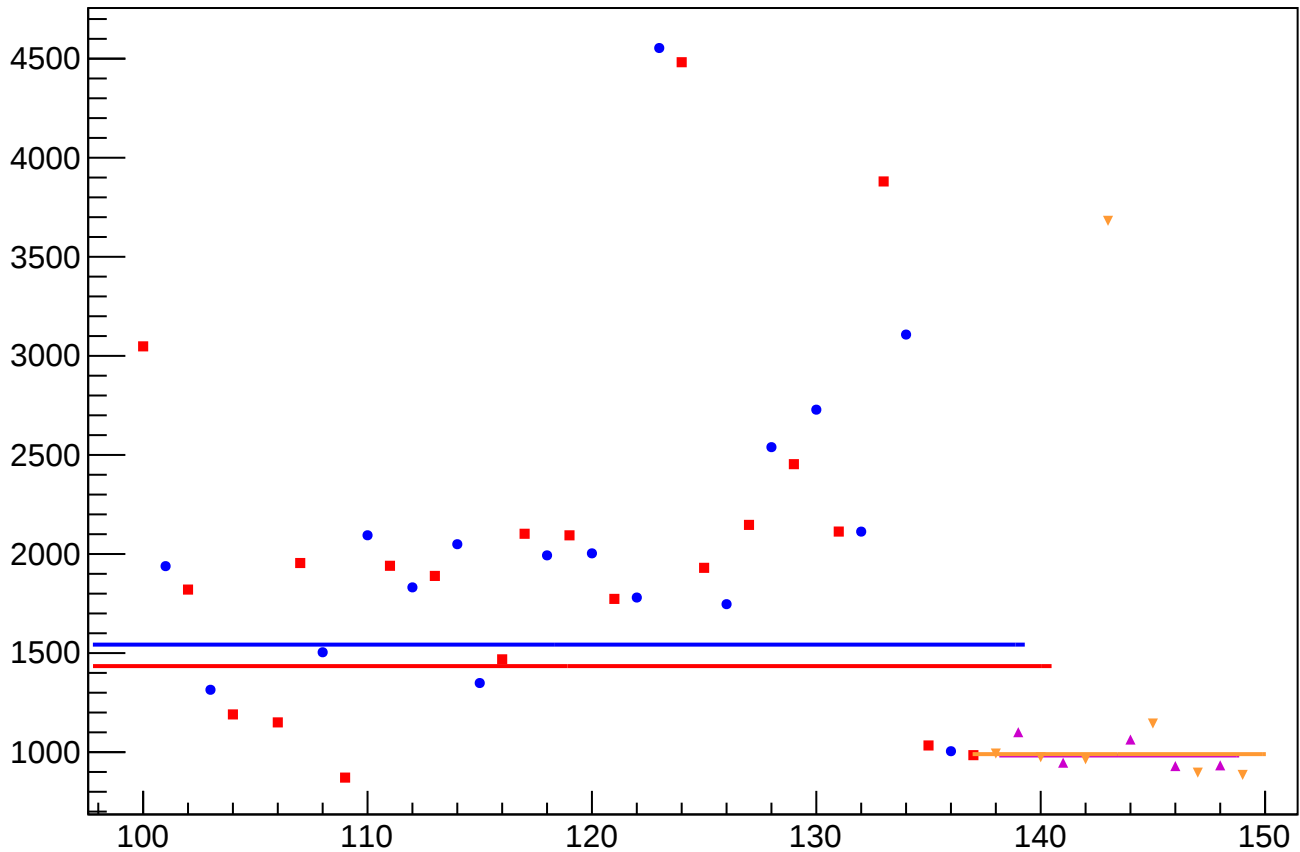
Right Out: 976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

Left In: 331.704 $\pm$ 490.922 χ^2 /NDF:1.8/4

463.355 $\pm$ 373.627 χ^2 /NDF: 40.5/23

596.260 $\pm$ 377.036 χ^2 /NDF: 19.4/24

asym_at2_dd_correction_rms vs Slug



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

Left Out: 990.035+/-0.328 χ^2/NDF : 774780.3/6

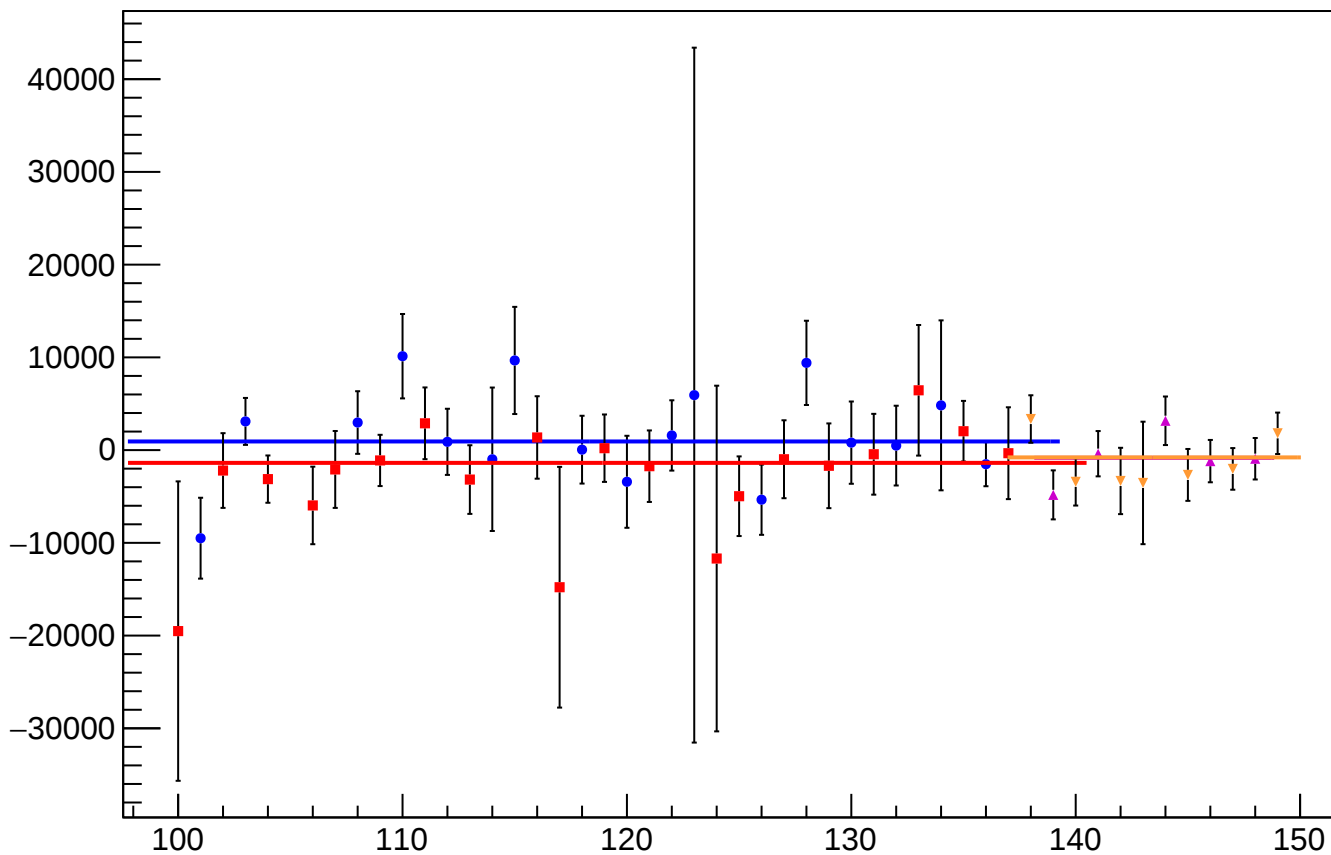
1183.389+/-0.264 χ^2/NDF : 3058094.4/23

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

1168.193+/-0.267 χ^2/NDF : 2563874.7/24

Left In: 983.163+/-0.347 χ^2/NDF : 38585.5/4

asym_at2_dd_mean vs Slug



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

Left Out: -785.613 $\pm$ 1035.063 χ^2 /NDF: 6.5/6

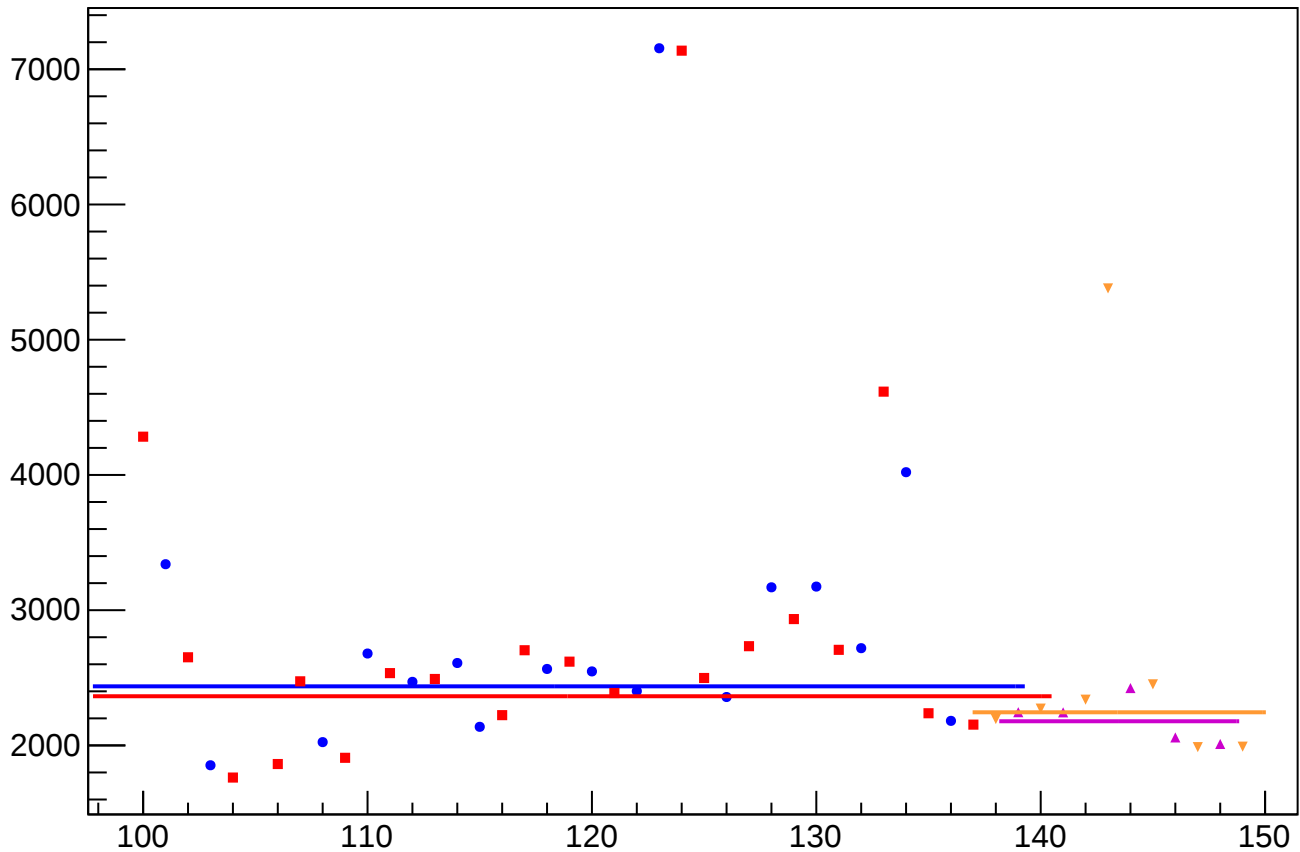
Right Out: -1375.966 $\pm$ 923.072 χ^2 /NDF: 9.6/19

Left In: -834.178 $\pm$ 1085.685 χ^2 /NDF: 4.7/4

131.124 $\pm$ 706.977 χ^2 /NDF: 29.5/23

-1148.646 $\pm$ 703.248 χ^2 /NDF: 14.4/24

asym_at2_dd_rms vs Slug



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

Left Out: 2244.978+/-0.732 χ^2/NDF : 516153.9/6

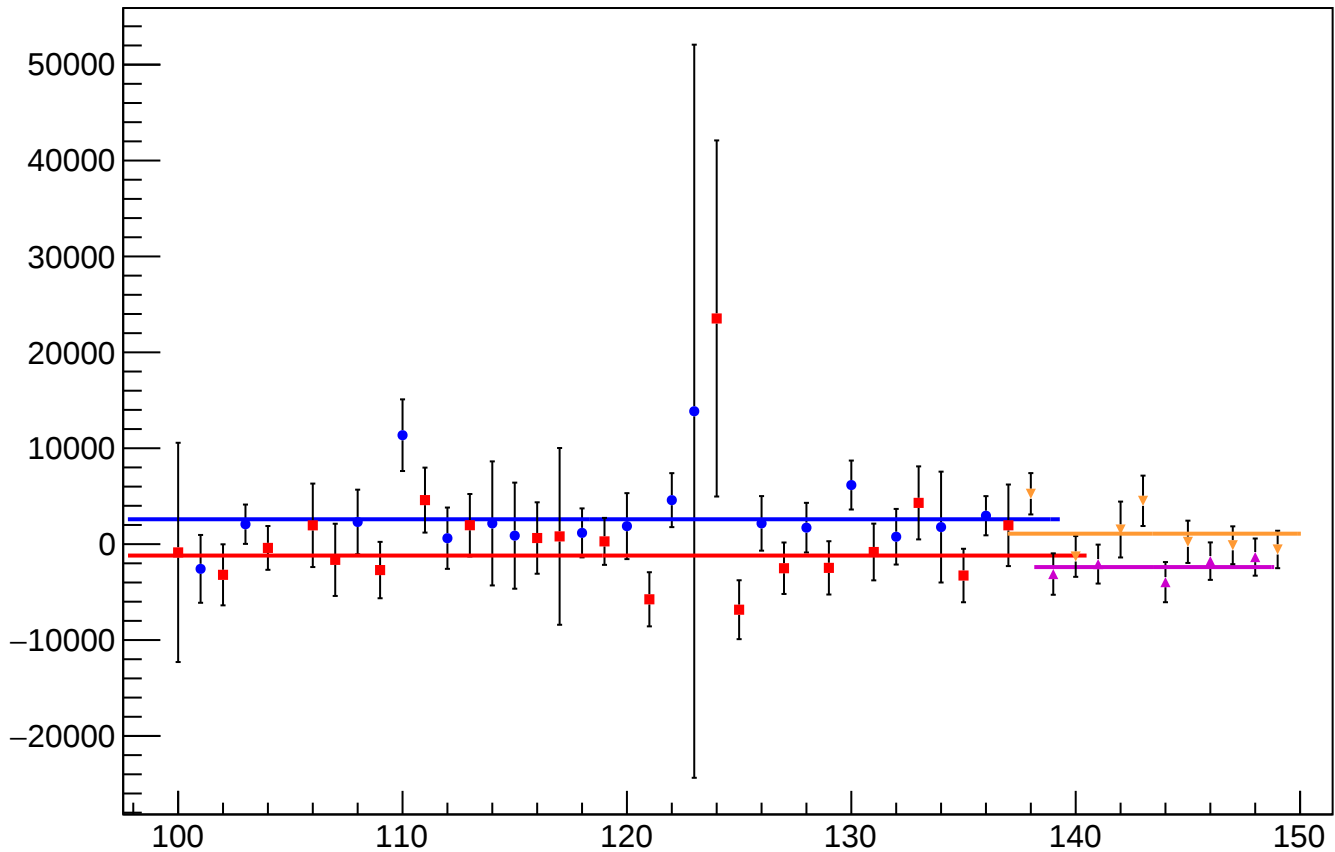
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2178.626+/-0.768 χ^2/NDF : 37080.9/4

2347.339+/-0.500 χ^2/NDF : 1021849.5/23

2285.995+/-0.497 χ^2/NDF : 728009.9/24

reg_asym_atl1r2_avg_mean vs Slug



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

Left Out: 1091.923+/-837.664 χ^2/NDF : 7.9/6

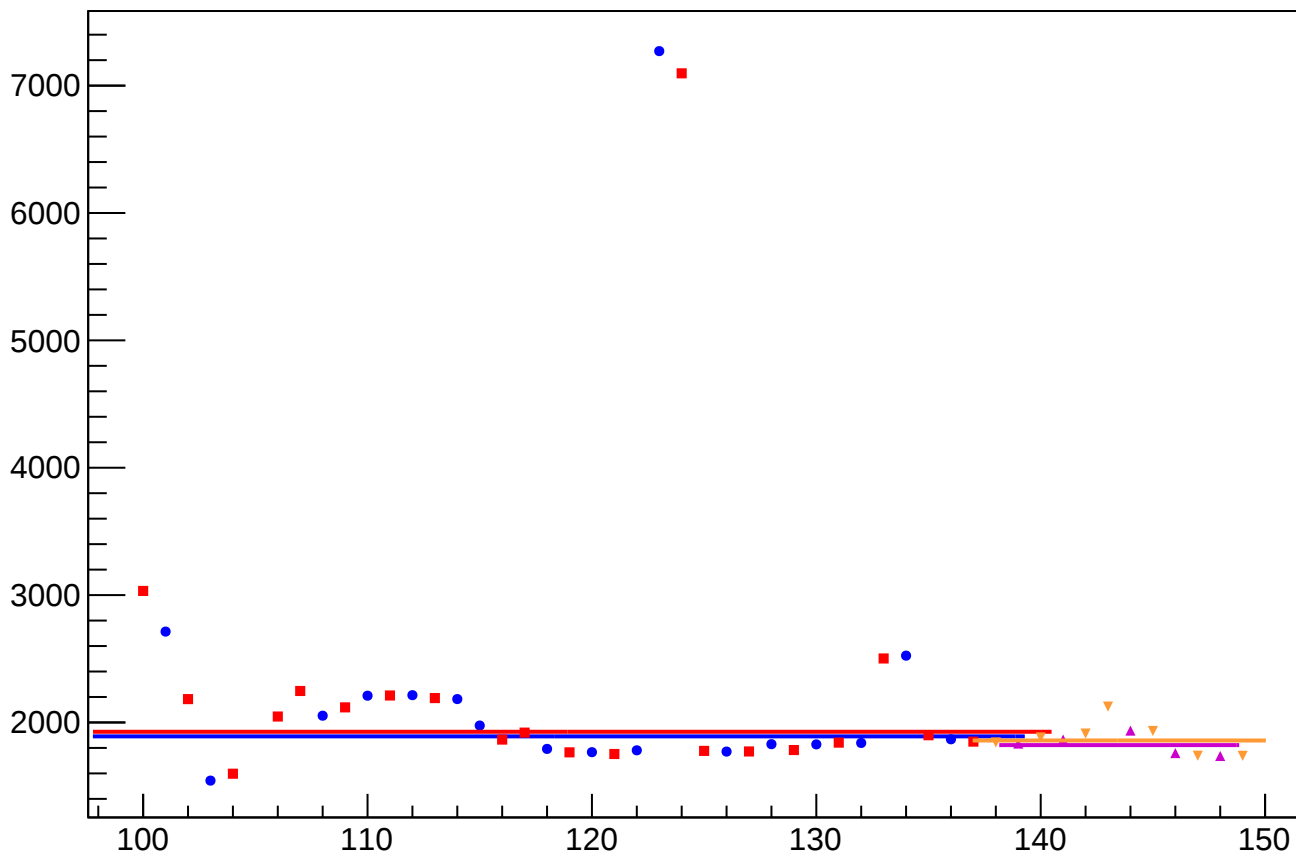
Right Out: -1189.680+/-737.247 χ^2/NDF : 17.3/19

Left In: -2390.241+/-907.798 χ^2/NDF : 1.1/4

1932.980+/-555.849 χ^2/NDF : 21.4/23

-1666.816+/-572.292 χ^2/NDF : 19.4/24

reg_asym_atl1r2_avg_rms vs Slug



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

Left Out: 1858.443+/-0.592 χ^2/NDF : 38807.6/6

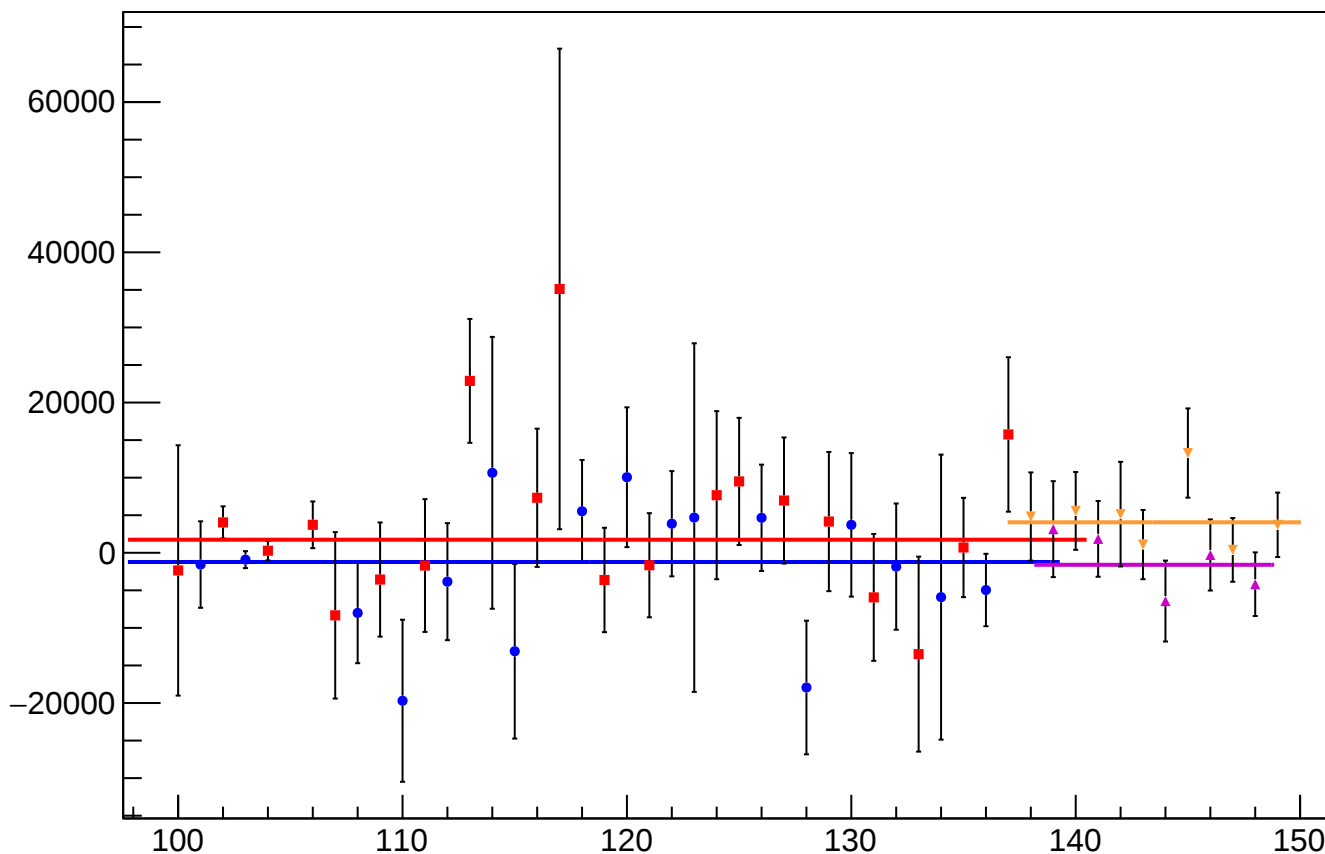
Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

Left In: 1822.189+/-0.642 χ^2/NDF : 12833.2/4

1876.508+/-0.393 χ^2/NDF : 329414.6/23

1885.367+/-0.404 χ^2/NDF : 391144.9/24

asym_atl1r2_avg_correction_mean vs Slug



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

Left Out: 4059.531 ± 1916.653 χ^2/NDF : 3.7/6

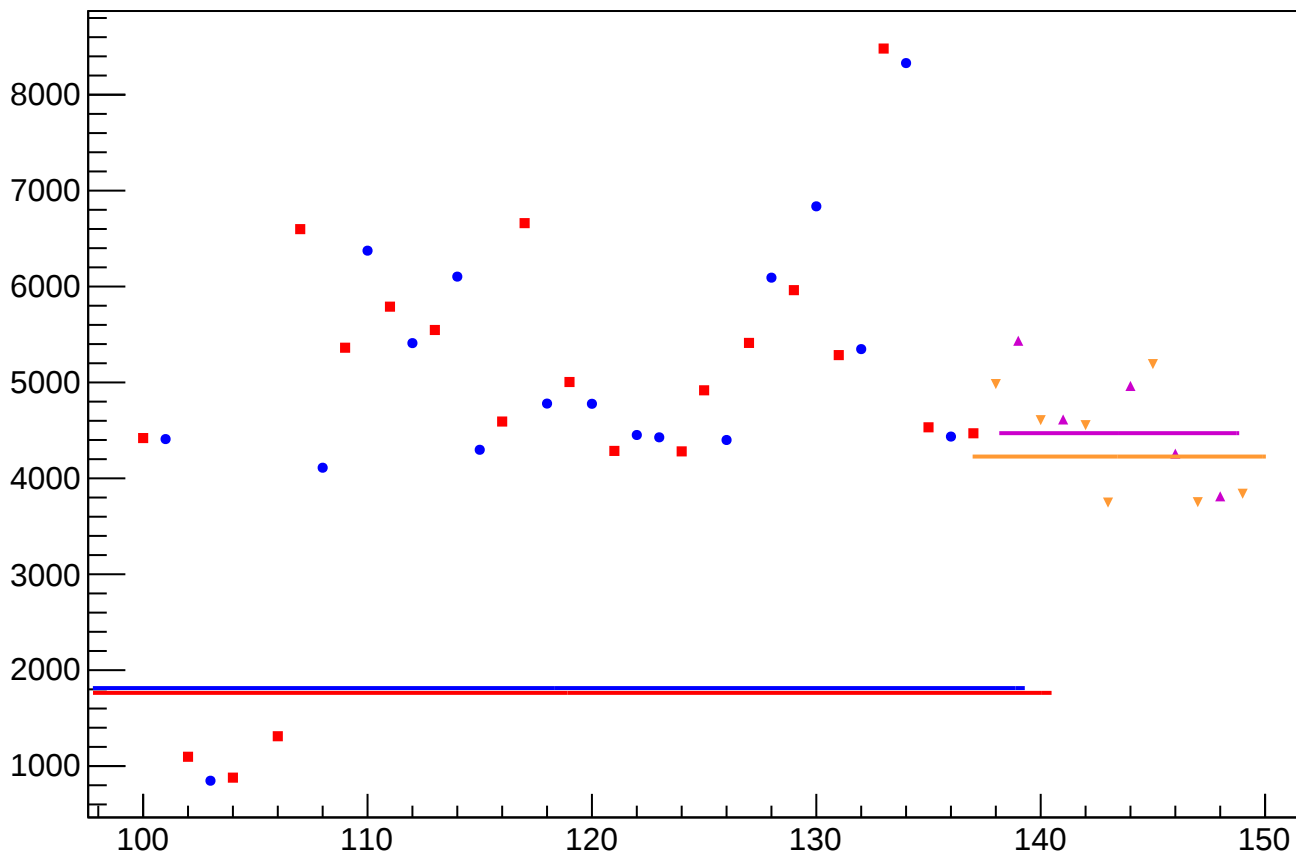
Right Out: 1740.671 ± 941.173 χ^2/NDF : 18.9/19

Left In: -1598.416 ± 2243.713 χ^2/NDF : 2.3/4

-123.123 ± 875.800 χ^2/NDF : 23.5/23

1241.050 ± 867.908 χ^2/NDF : 23.1/24

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4227.259+/-1.355 χ^2/NDF :164135.8/6

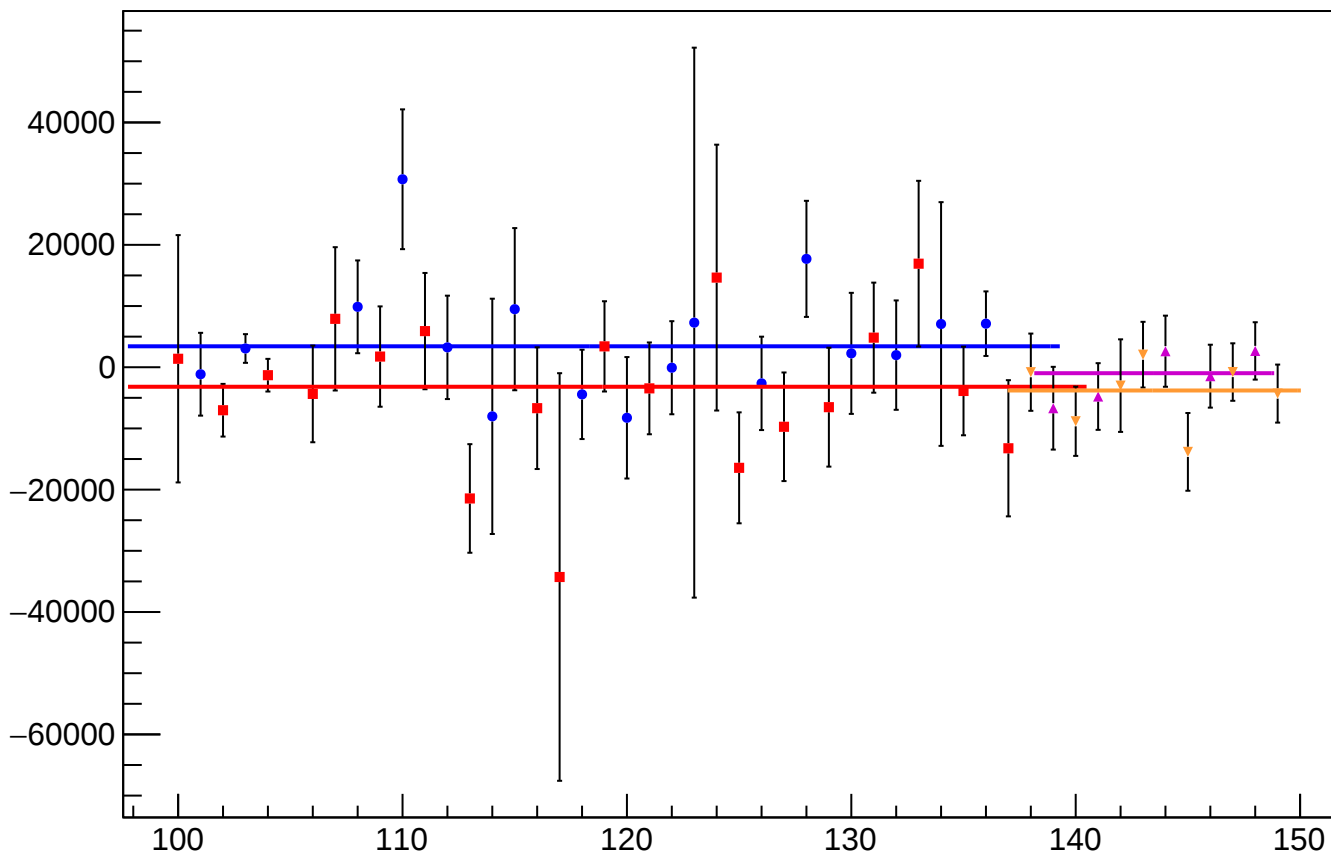
Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

Left In: 4471.112+/-1.587 χ^2/NDF :116227.0/4

2317.243+/-0.619 χ^2/NDF : 9123490.0/23

2168.531+/-0.614 χ^2/NDF : 8953165.8/24

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264 $\pm$ 1606.678 χ^2 /NDF: 13.7/16

Left Out: -3799.446 $\pm$ 2116.877 χ^2 /NDF: 5.1/6

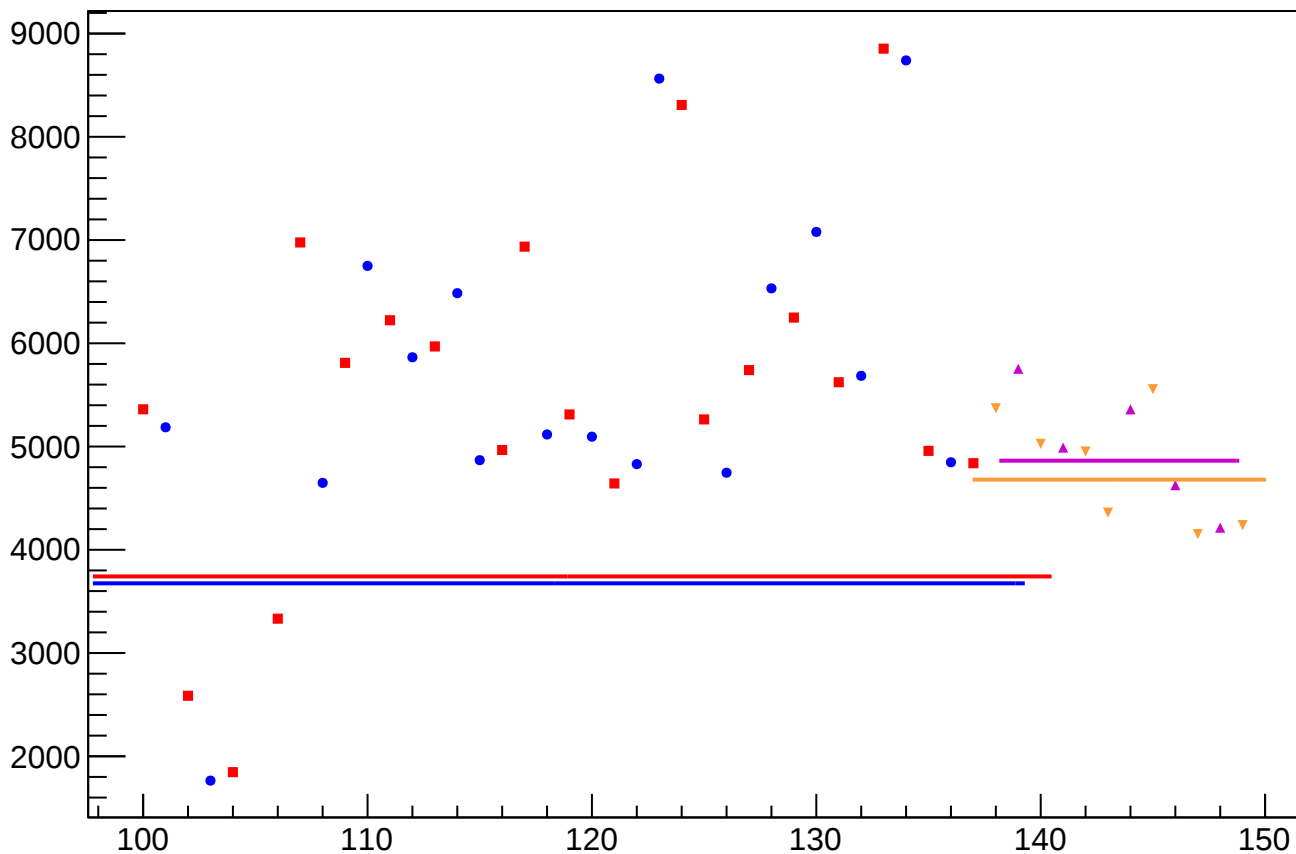
Right Out: -3190.143 $\pm$ 1604.066 χ^2 /NDF: 16.9/19

Left In: -973.829 $\pm$ 2435.978 χ^2 /NDF: 2.2/4

782.053 $\pm$ 1279.802 χ^2 /NDF: 26.2/23

-2519.798 $\pm$ 1339.698 χ^2 /NDF: 19.6/24

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003 ± 1.136 $\chi^2/\text{NDF}: 2775085.7/16$

Left Out: 4679.604 ± 1.497 $\chi^2/\text{NDF}: 121749.7/6$

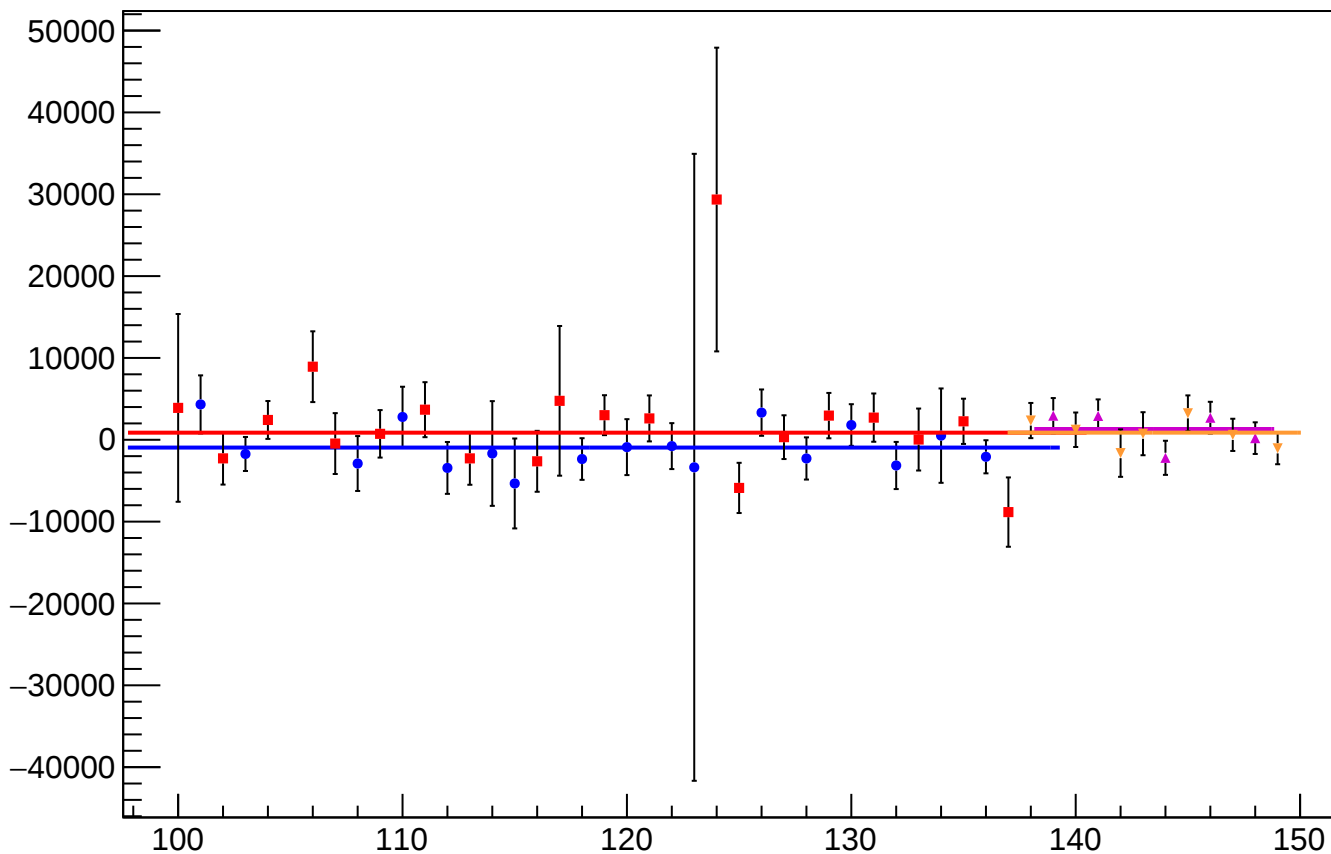
Right Out: 3742.124 ± 1.127 $\chi^2/\text{NDF}: 2712365.3/19$

Left In: 4862.853 ± 1.722 $\chi^2/\text{NDF}: 92962.4/4$

4042.191 ± 0.905 $\chi^2/\text{NDF}: 3182630.0/23$

4077.964 ± 0.943 $\chi^2/\text{NDF}: 3101805.8/24$

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 871.876+/-834.162 χ^2/NDF : 3.4/6

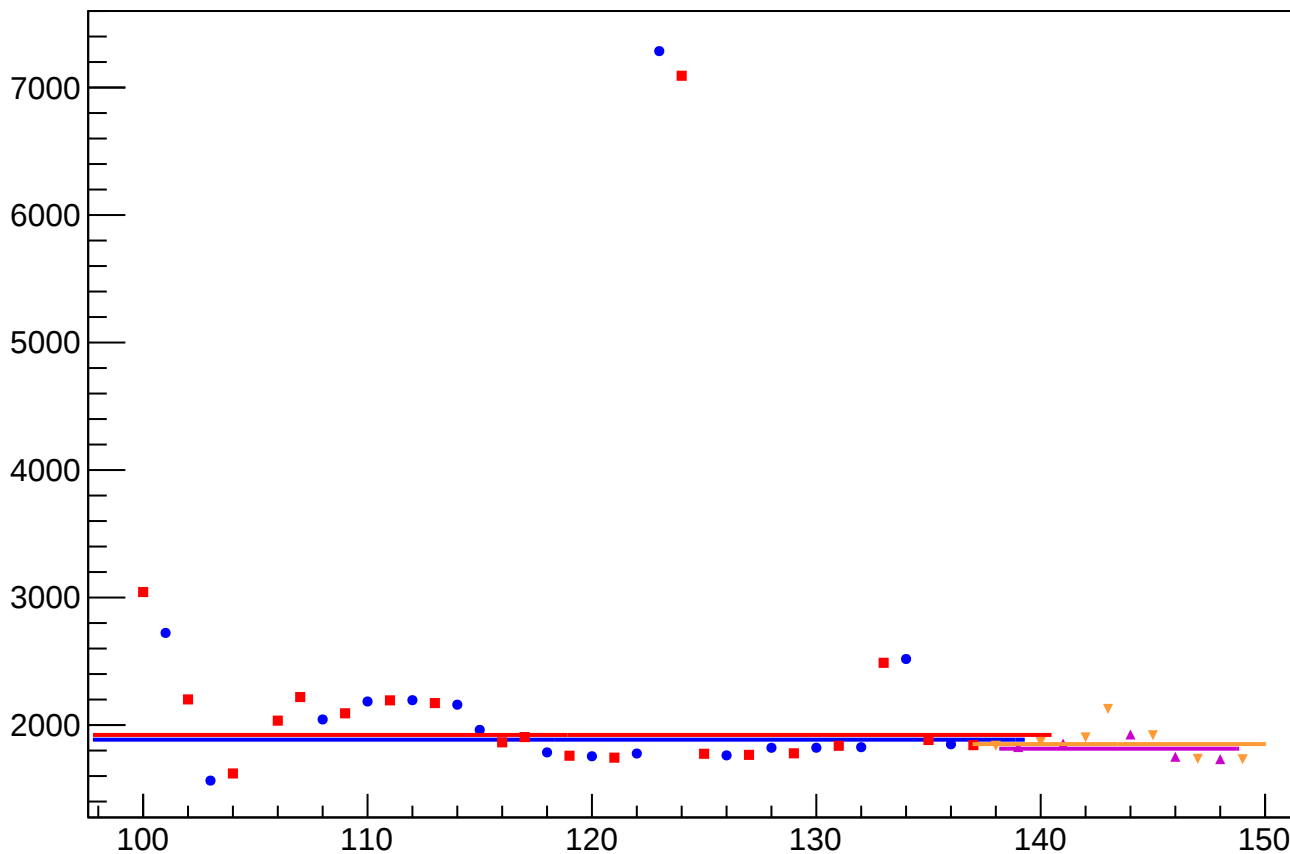
Right Out: 868.810+/-735.140 χ^2/NDF : 22.7/19

Left In: 1316.905+/-903.972 χ^2/NDF : 4.9/4

-147.612+/-553.849 χ^2/NDF : 16.0/23

1047.187+/-570.348 χ^2/NDF : 27.7/24

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1850.634+/-0.590 χ^2/NDF : 39262.3/6

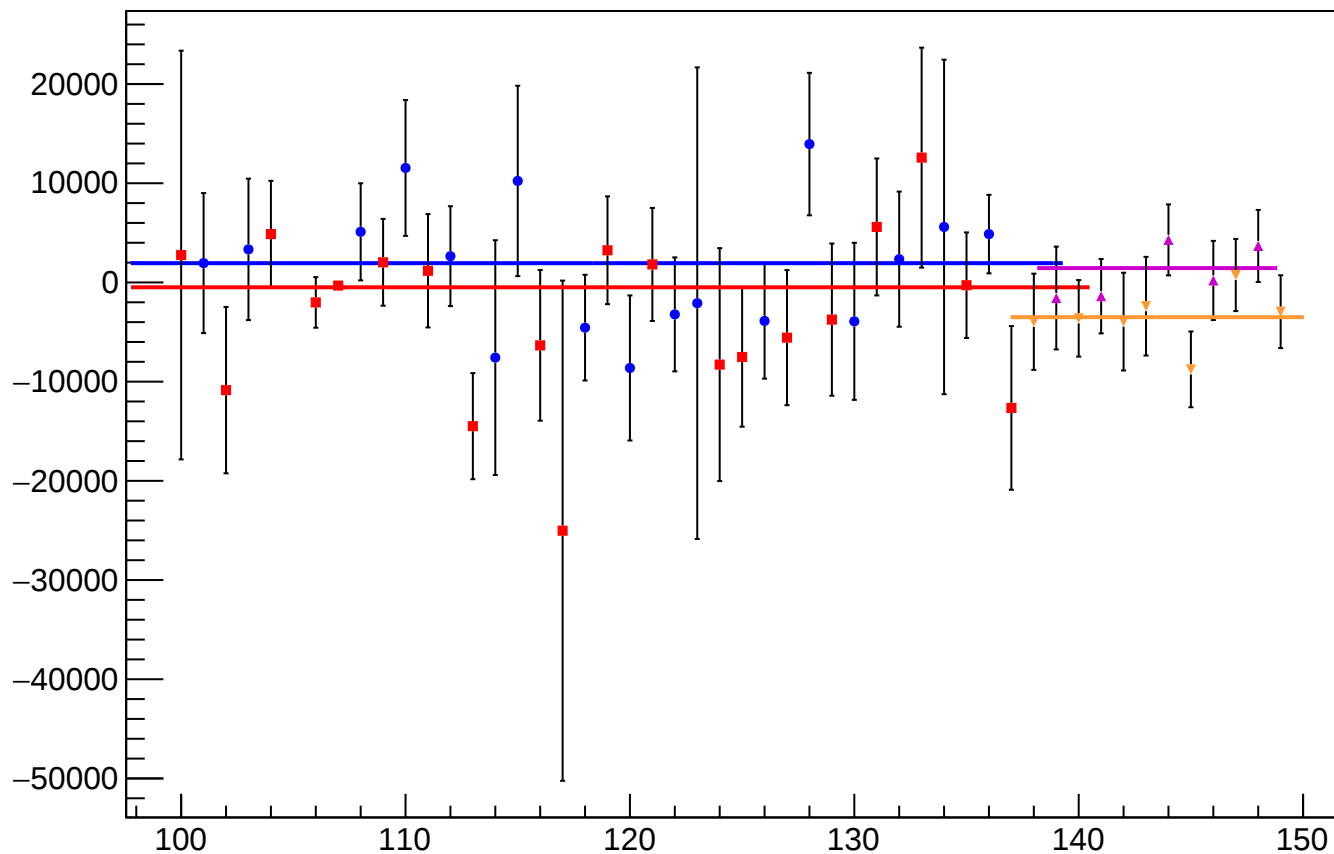
Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

Left In: 1814.593+/-0.639 χ^2/NDF : 12296.2/4

1870.051+/-0.392 χ^2/NDF : 321629.4/23

1879.582+/-0.403 χ^2/NDF : 380967.5/24

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -3500.685+/-1562.234 χ^2/NDF : 3.4/6

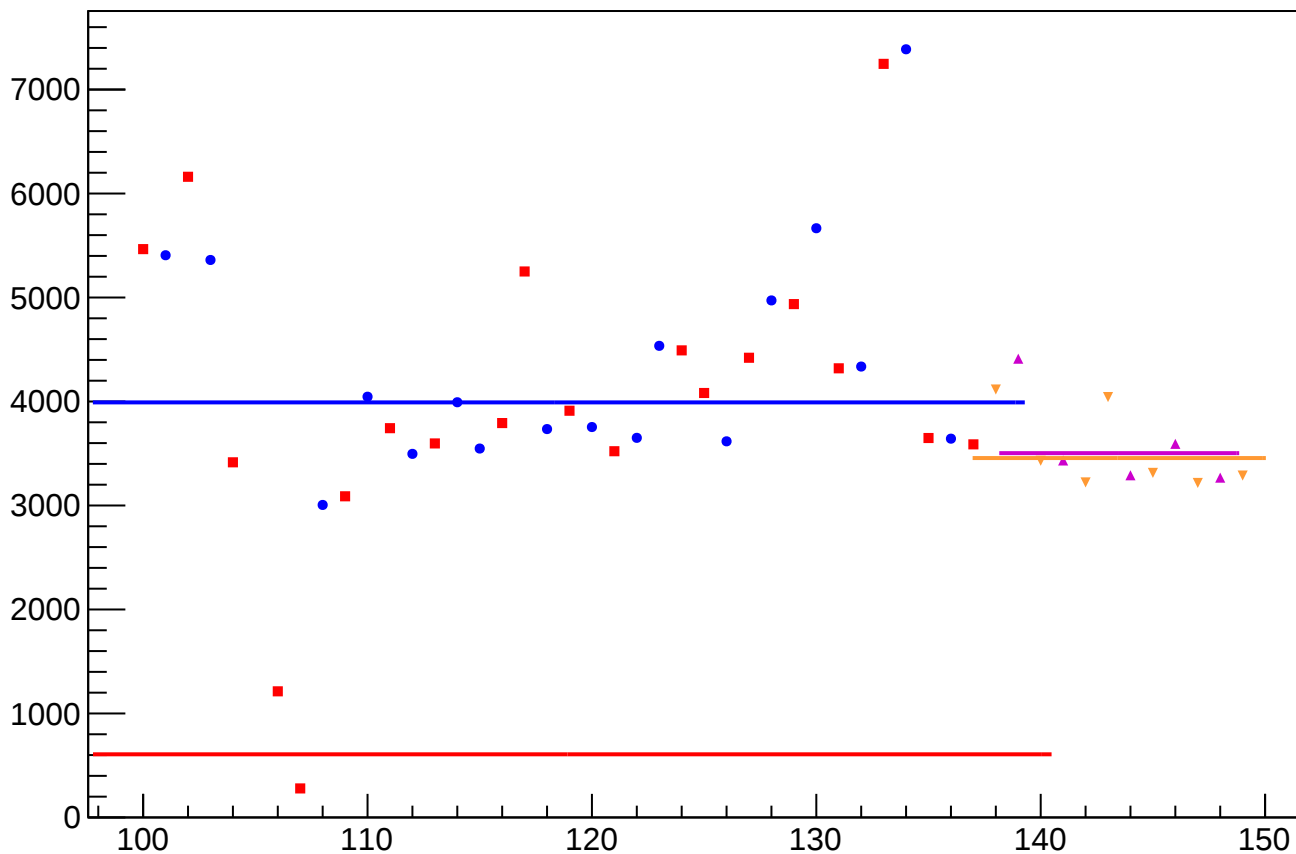
Right Out: -486.774+/-453.611 χ^2/NDF : 19.0/19

Left In: 1446.343+/-1753.591 χ^2/NDF : 2.0/4

-811.358+/-1111.262 χ^2/NDF : 22.5/23

-365.536+/-439.156 χ^2/NDF : 22.2/24

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3456.151+/-1.105 χ^2/NDF : 85046.8/6

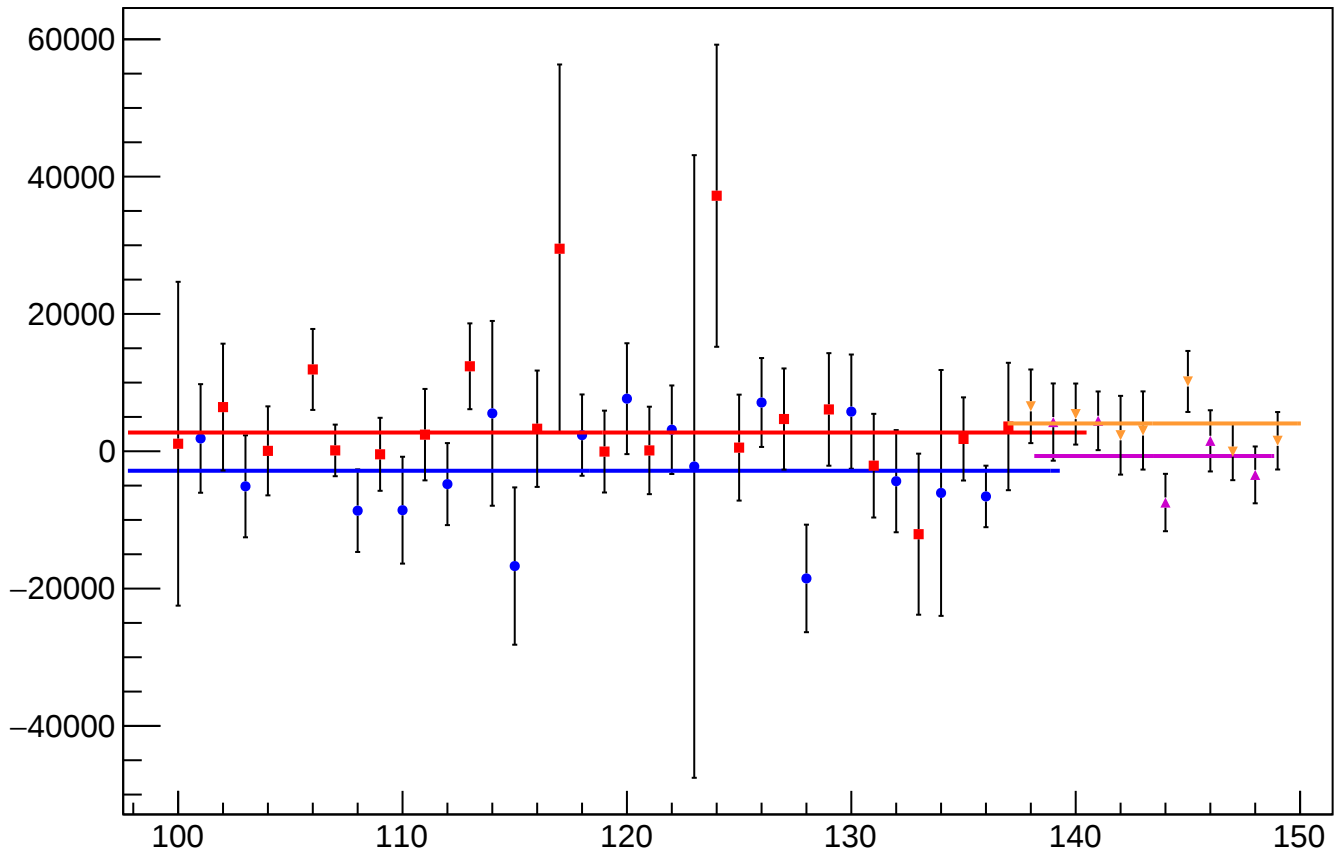
Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

Left In: 3503.340+/-1.240 χ^2/NDF : 78676.7/4

3720.578+/-0.786 χ^2/NDF : 711817.4/23

788.868+/-0.311 χ^2/NDF : 15506084.3/24

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 $\pm$ 1786.019 χ^2 /NDF: 15.4/16

Left Out: 4049.695 $\pm$ 1789.260 χ^2 /NDF: 3.7/6

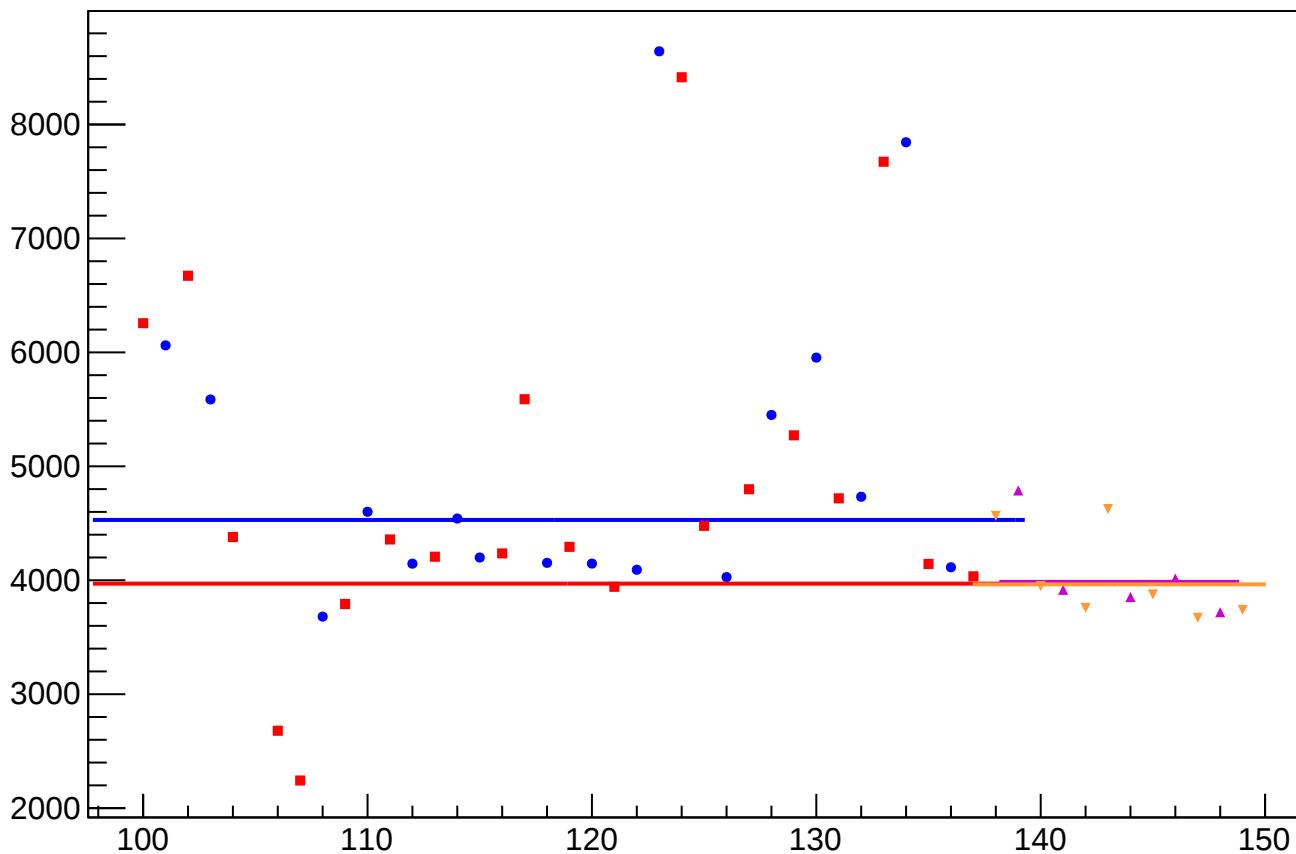
Right Out: 2729.311 $\pm$ 1572.398 χ^2 /NDF: 12.2/19

Left In: -691.877 $\pm$ 1990.502 χ^2 /NDF: 5.5/4

598.803 $\pm$ 1264.051 χ^2 /NDF: 26.5/23

1414.737 $\pm$ 1233.862 χ^2 /NDF: 19.5/24

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 ± 1.263 χ^2/NDF : 389326.2/16

Left Out: 3963.910 ± 1.265 χ^2/NDF : 71223.3/6

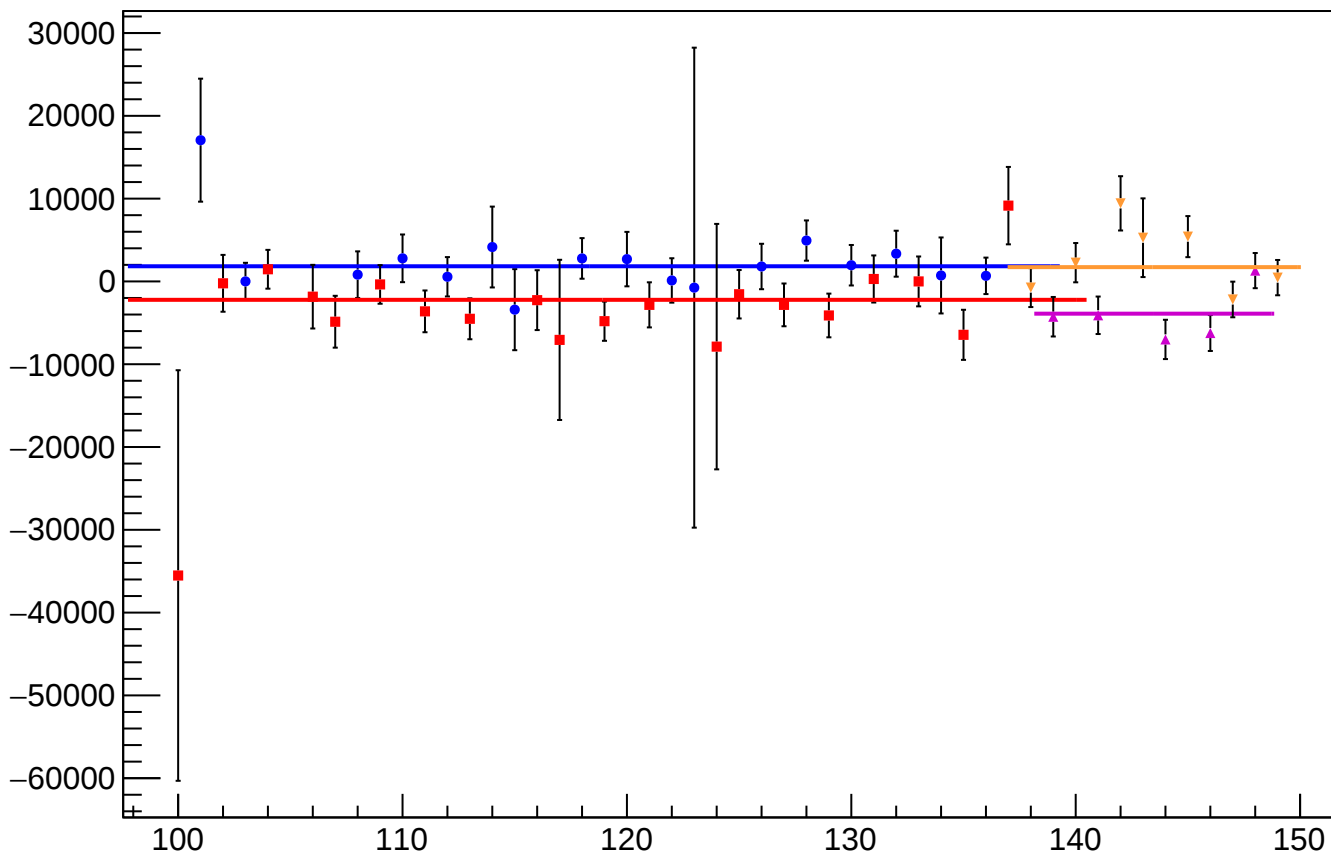
Right Out: 3970.336 ± 1.105 χ^2/NDF : 1147711.9/19

Left In: 3985.443 ± 1.407 χ^2/NDF : 51601.1/4

4247.199 ± 0.894 χ^2/NDF : 560637.8/23

3976.095 ± 0.869 χ^2/NDF : 1199384.3/24

reg_asym_atr12_avg_mean vs Slug



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1725.343+/-955.983 χ^2/NDF : 13.1/6

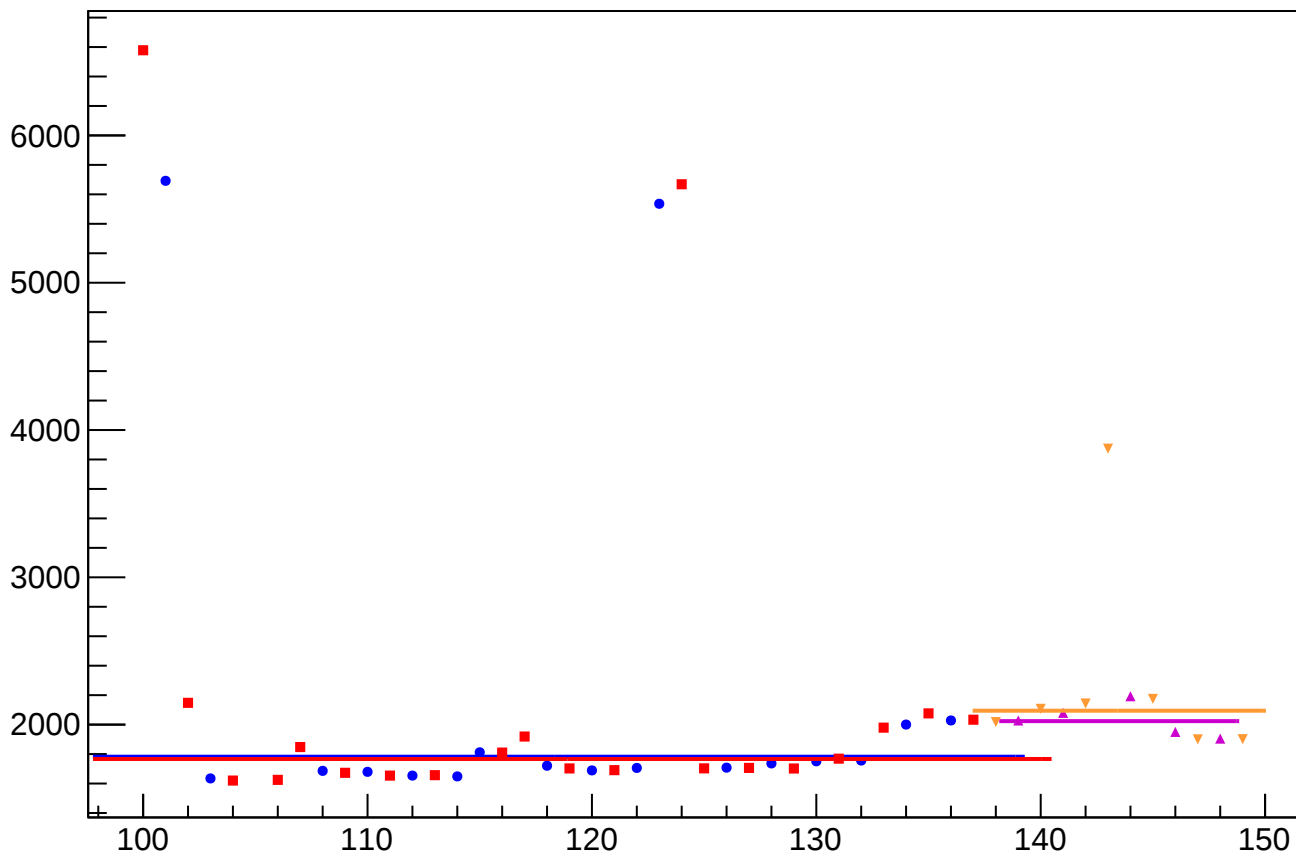
Right Out: -2222.274+/-682.500 χ^2/NDF : 18.6/19

Left In: -3895.431+/-1008.827 χ^2/NDF : 8.9/4

1792.770+/-570.684 χ^2/NDF : 22.8/23

-2747.618+/-565.288 χ^2/NDF : 29.4/24

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2094.492+/-0.676 χ^2/NDF : 317738.9/6

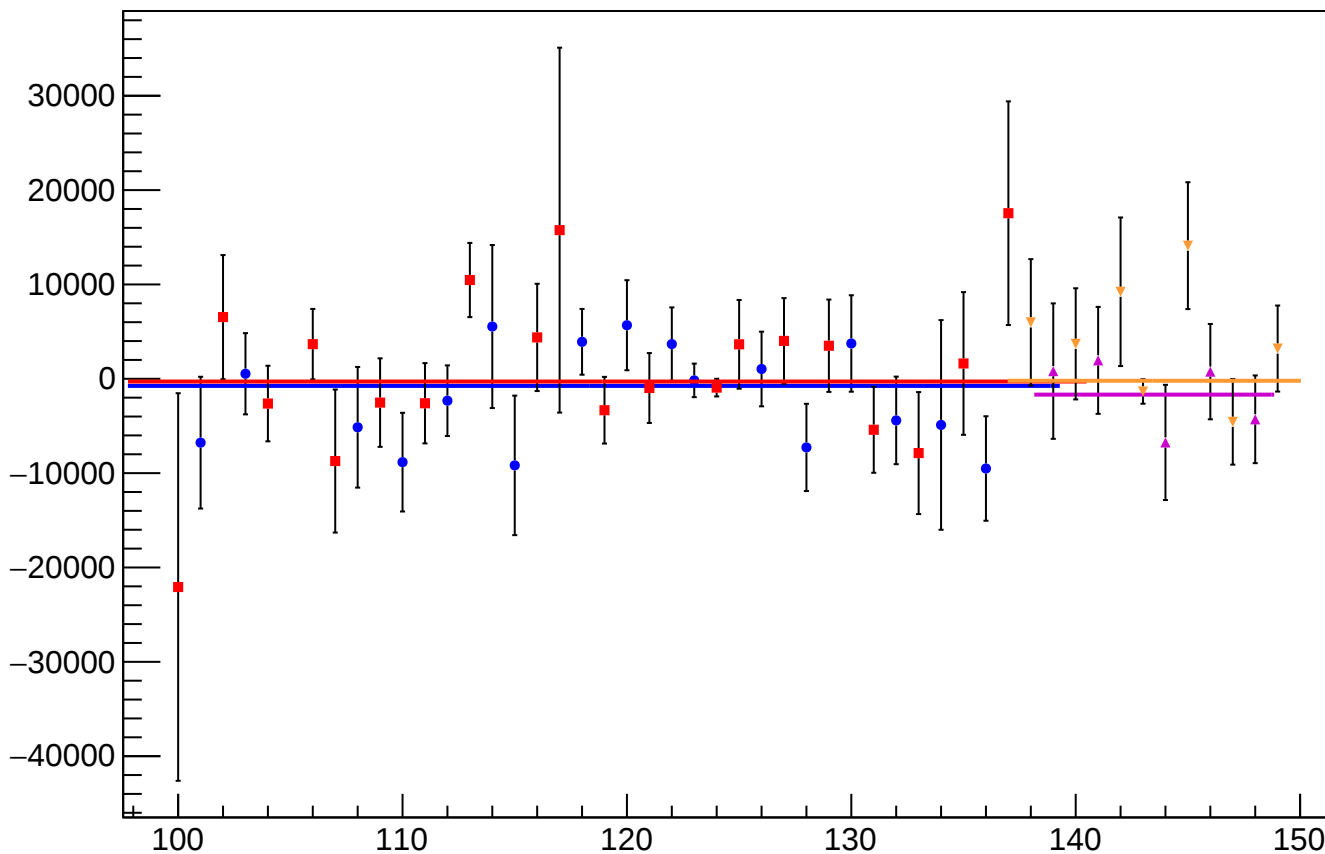
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 2023.632+/-0.713 χ^2/NDF : 19881.9/4

1893.448+/-0.404 χ^2/NDF : 1100353.8/23

1846.631+/-0.398 χ^2/NDF : 416542.6/24

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 χ^2/NDF : 16.9/16

Left Out: -209.849 ± 1133.260 χ^2/NDF : 9.5/6

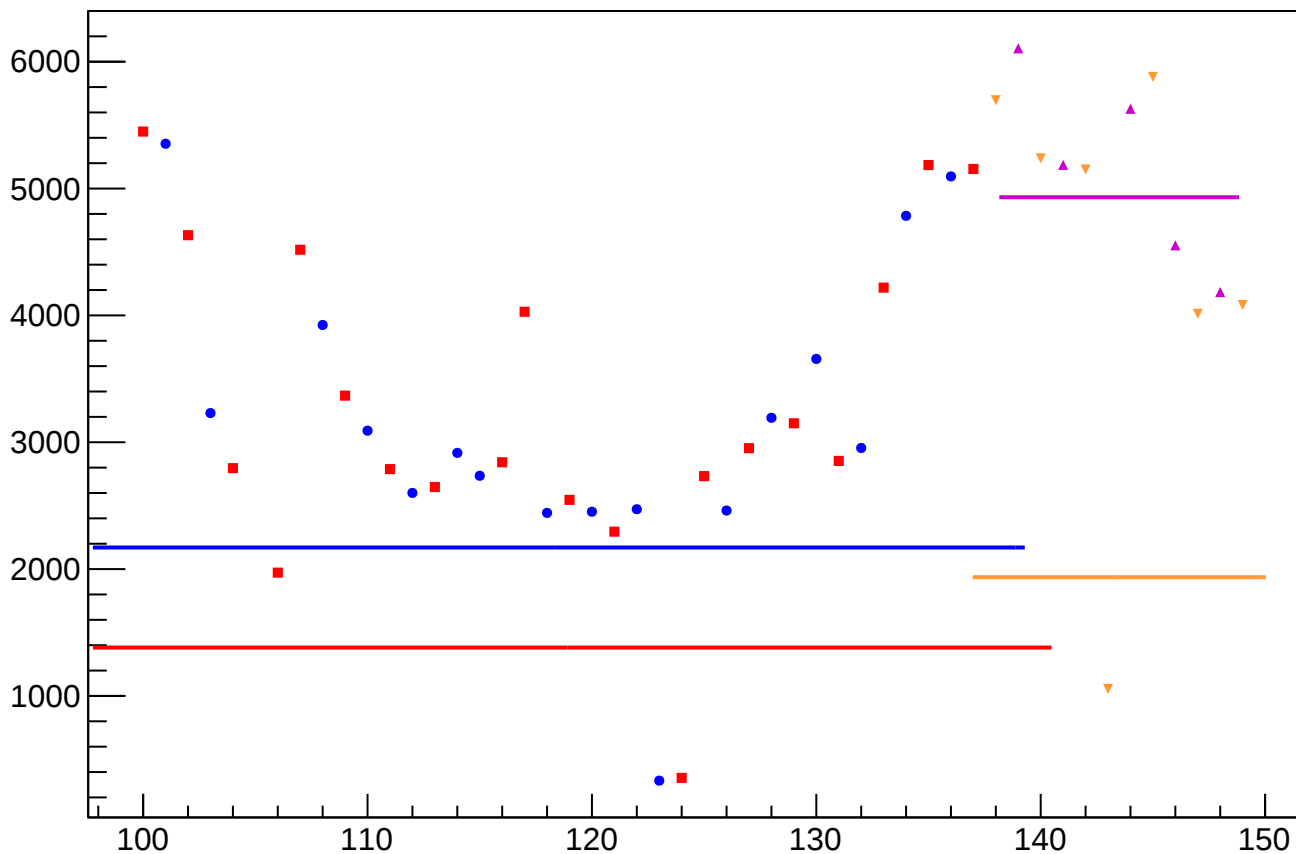
Right Out: -288.847 ± 724.622 χ^2/NDF : 22.7/19

Left In: -1678.079 ± 2478.781 χ^2/NDF : 1.8/4

-513.189 ± 753.390 χ^2/NDF : 26.6/23

-398.220 ± 695.513 χ^2/NDF : 24.7/24

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 1936.298+/-0.801 χ^2/NDF : 4060178.5/6

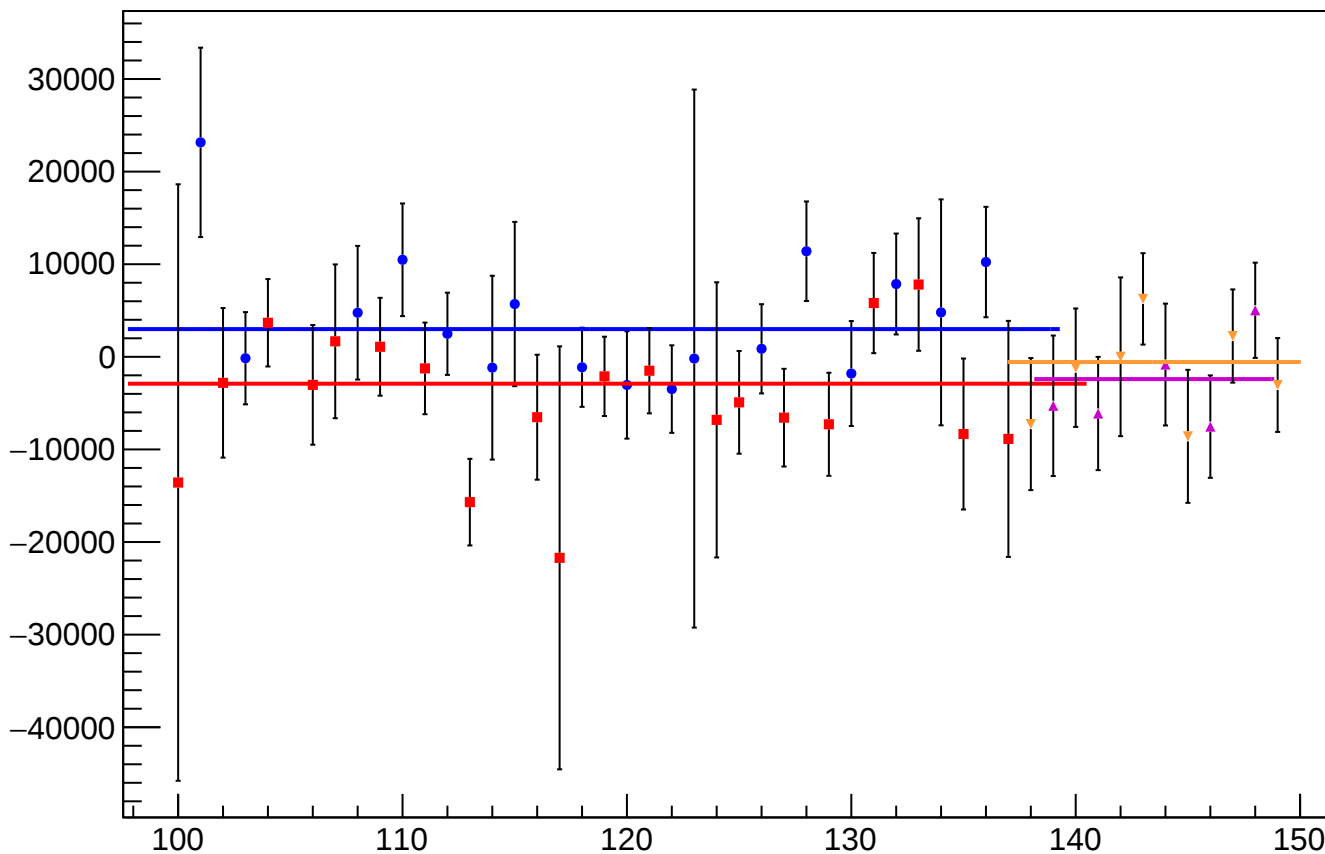
Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

Left In: 4931.706+/-1.753 χ^2/NDF : 146561.3/4

2066.849+/-0.533 χ^2/NDF : 8081466.1/23

1660.947+/-0.492 χ^2/NDF : 10811135.8/24

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 ± 1447.211 $\chi^2/\text{NDF}: 15.7/16$

Left Out: -563.640 ± 2255.315 $\chi^2/\text{NDF}: 4.6/6$

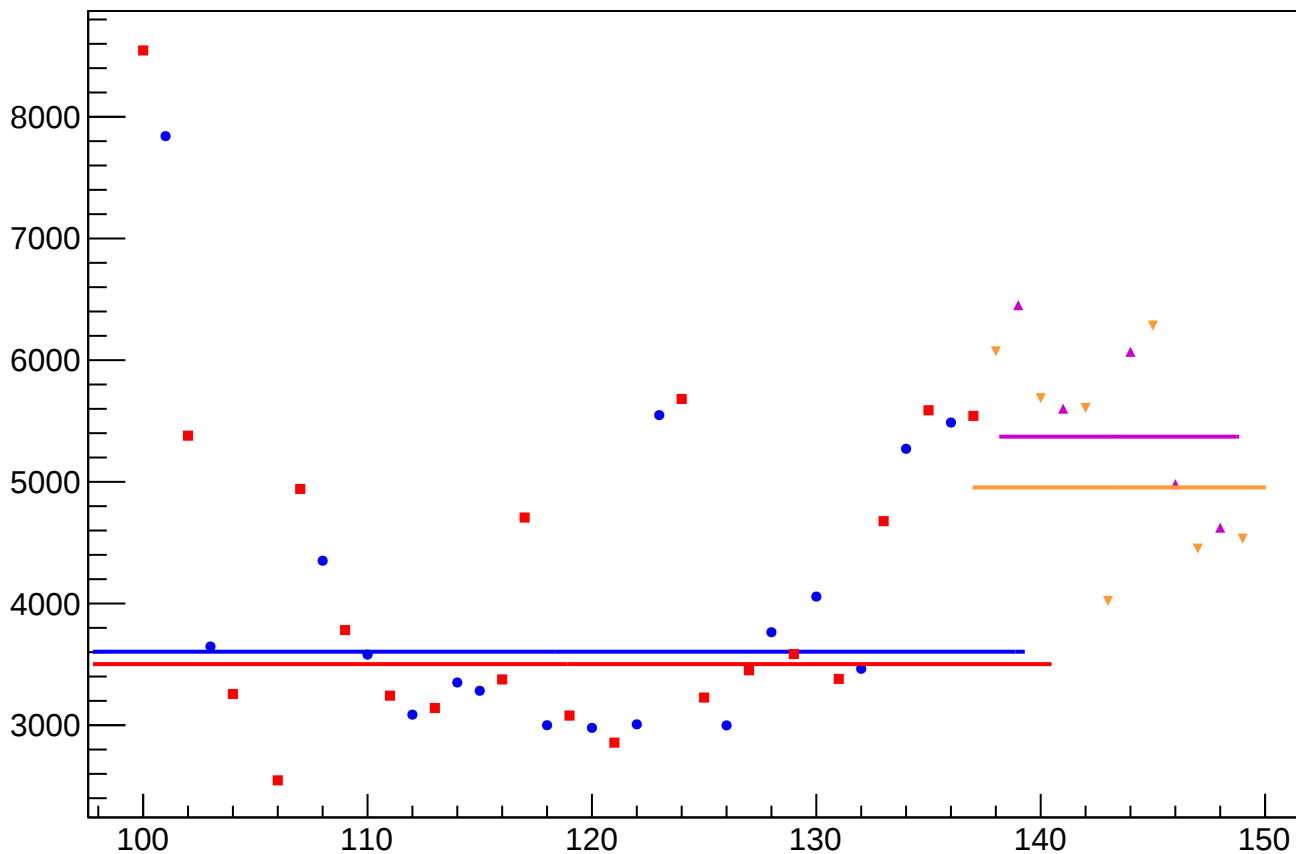
Right Out: -2901.985 ± 1376.603 $\chi^2/\text{NDF}: 18.4/19$

Left In: -2405.248 ± 2694.400 $\chi^2/\text{NDF}: 3.5/4$

1955.510 ± 1218.009 $\chi^2/\text{NDF}: 22.1/23$

-2799.161 ± 1225.873 $\chi^2/\text{NDF}: 22.0/24$

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 4954.247+/-1.595 χ^2/NDF : 261000.4/6

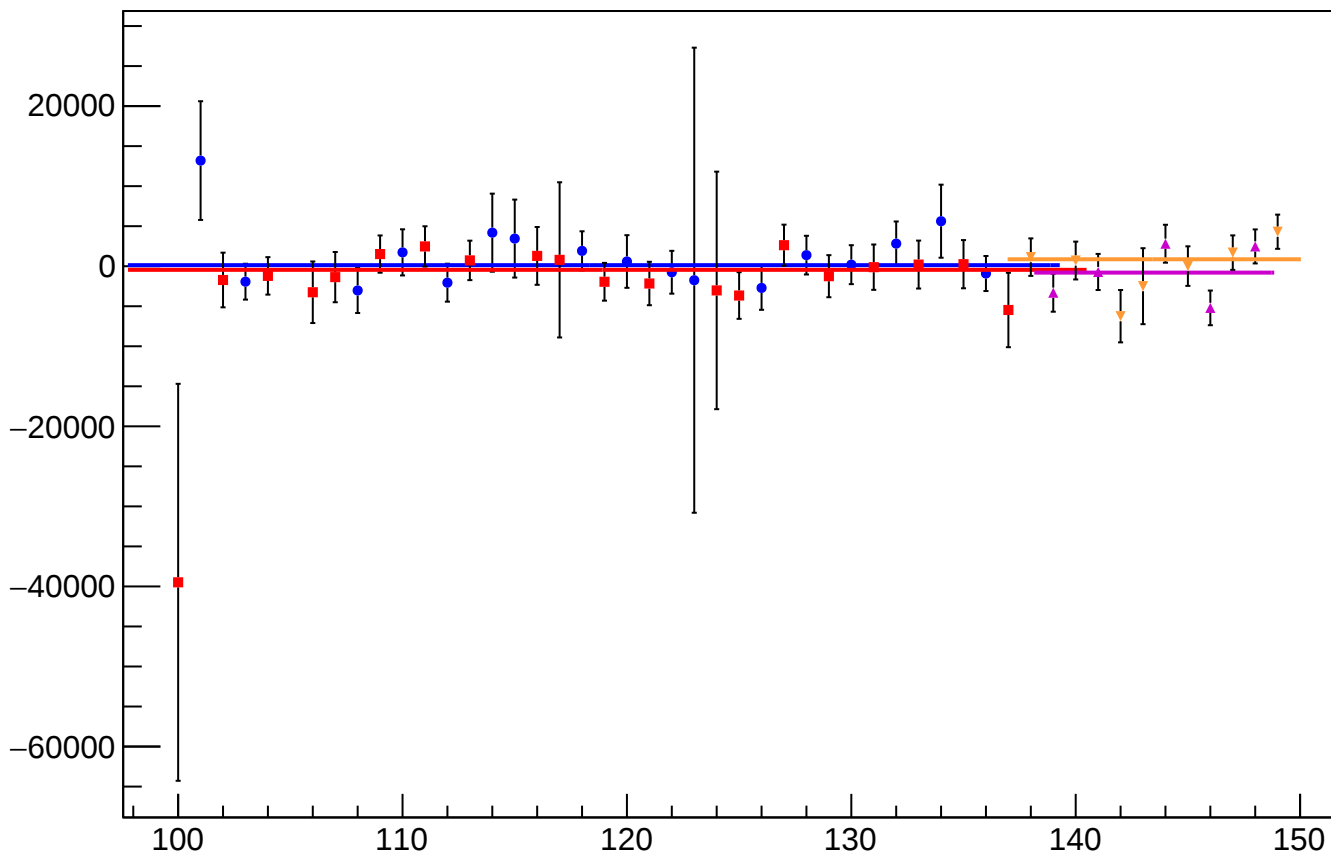
Right Out: 3501.857+/-0.960 χ^2/NDF : 667483.1/19

Left In: 5371.457+/-1.905 χ^2/NDF : 118161.8/4

3997.769+/-0.861 χ^2/NDF : 1553514.4/23

3880.372+/-0.857 χ^2/NDF : 1553637.2/24

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 ± 709.207 χ^2/NDF : 12.2/16

Left Out: 866.701 ± 954.222 χ^2/NDF : 8.1/6

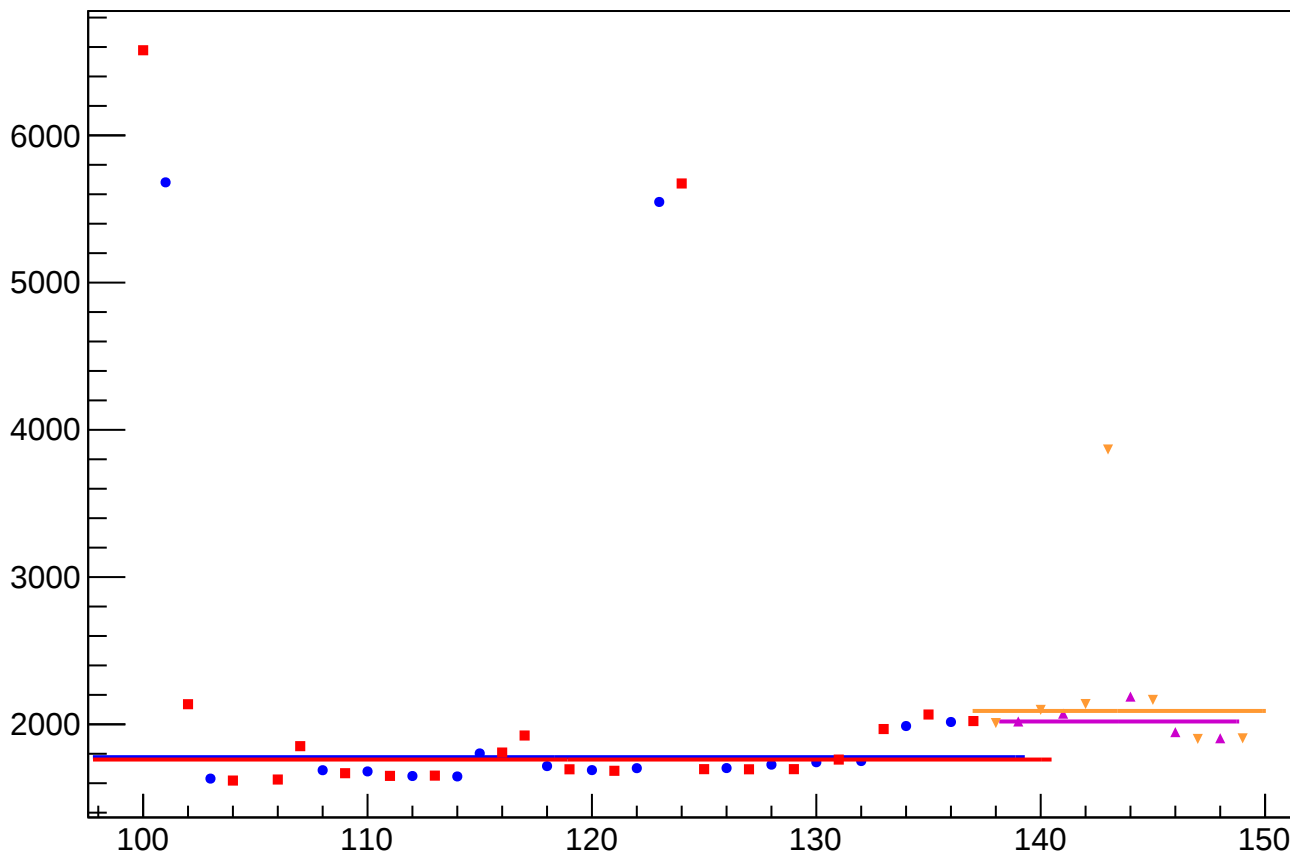
Right Out: -452.872 ± 680.160 χ^2/NDF : 10.7/19

Left In: -799.710 ± 1006.554 χ^2/NDF : 10.0/4

392.731 ± 569.210 χ^2/NDF : 20.7/23

-561.598 ± 563.559 χ^2/NDF : 20.8/24

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2090.865+/-0.675 χ^2/NDF : 315620.7/6

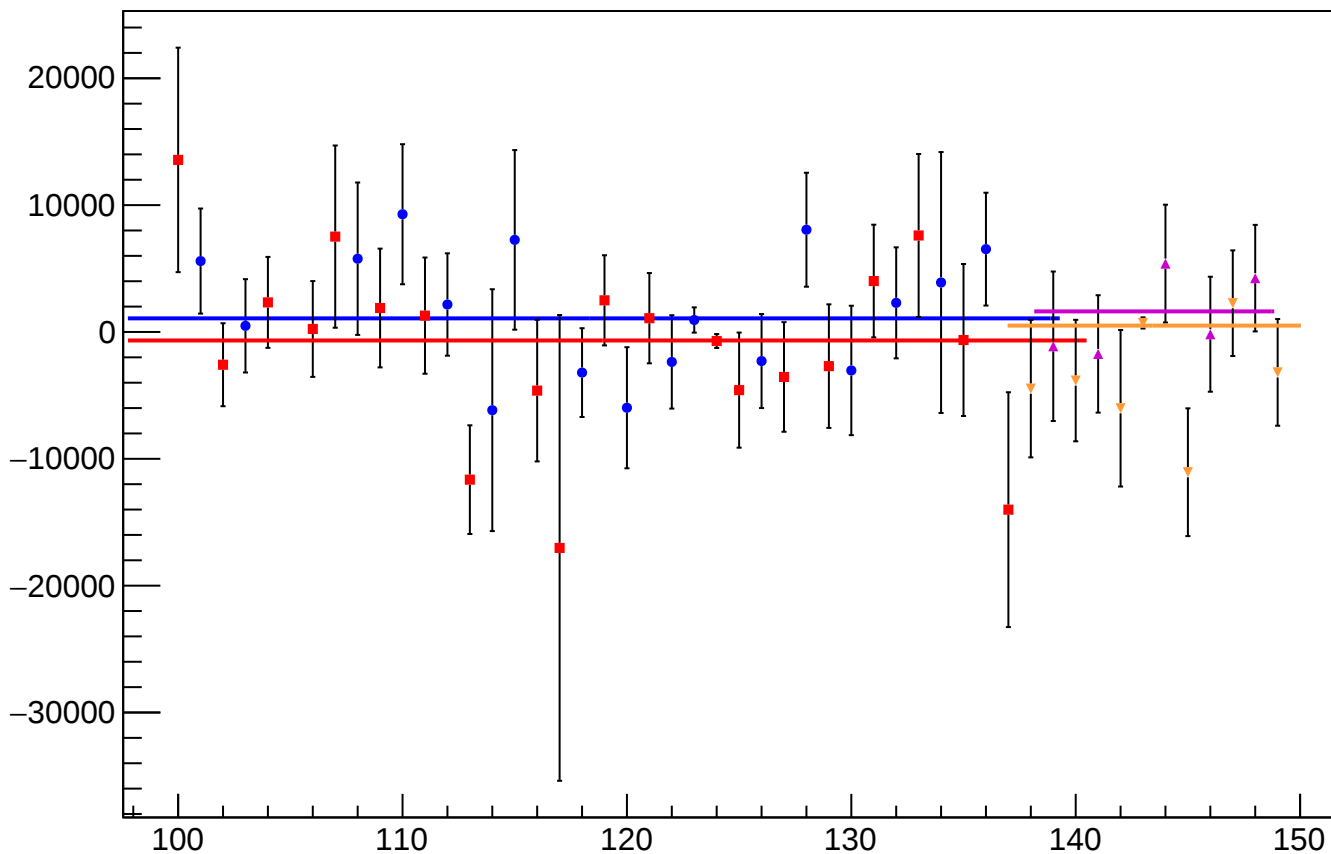
Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

Left In: 2019.234+/-0.712 χ^2/NDF : 19263.0/4

1888.605+/-0.402 χ^2/NDF : 1098690.1/23

1841.050+/-0.397 χ^2/NDF : 416894.0/24

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 501.840+/-428.406 χ^2/NDF : 9.2/6

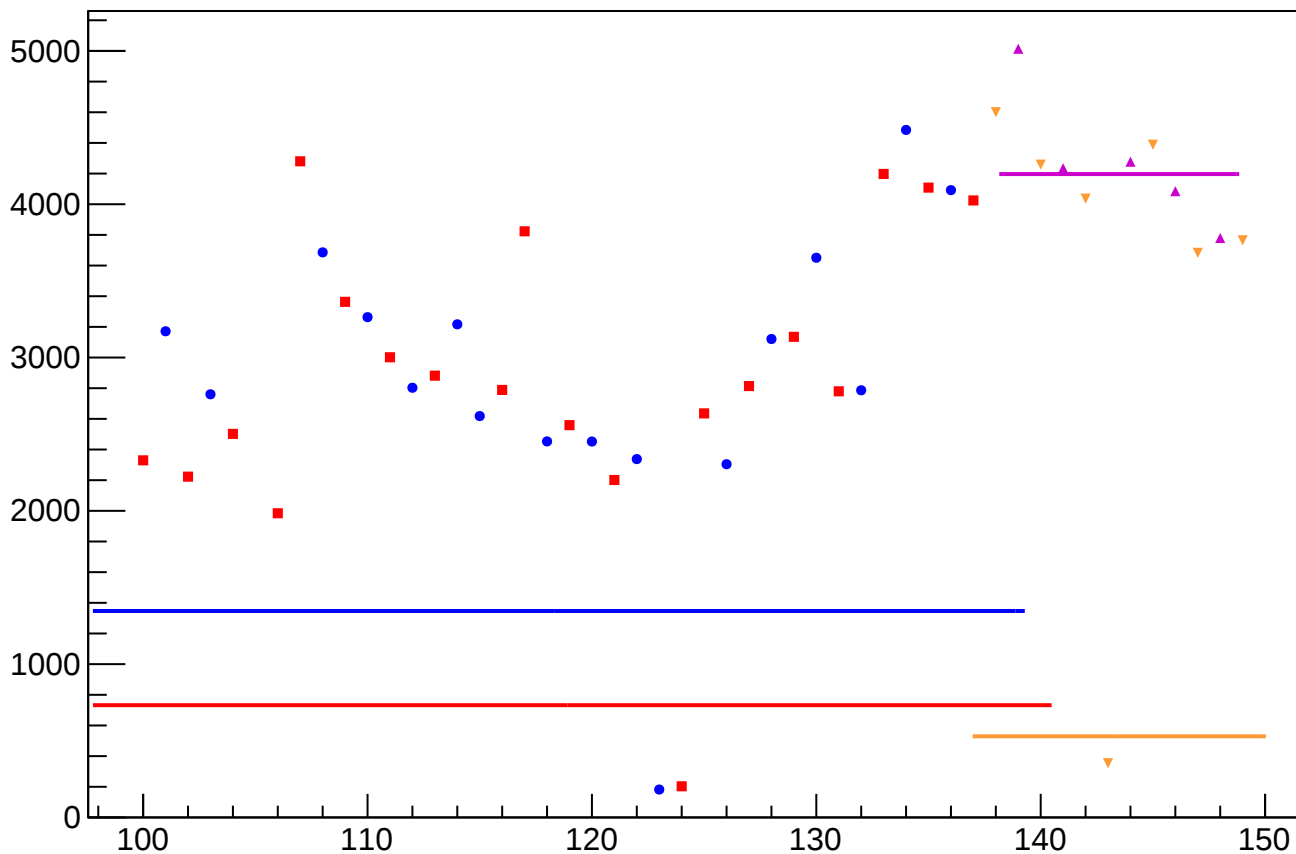
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: 1621.635+/-2097.818 χ^2/NDF : 1.9/4

641.512+/-372.273 χ^2/NDF : 25.2/23

-552.718+/-475.181 χ^2/NDF : 23.7/24

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 529.297 $\pm$ 0.303 χ^2 /NDF:6812226.6/6

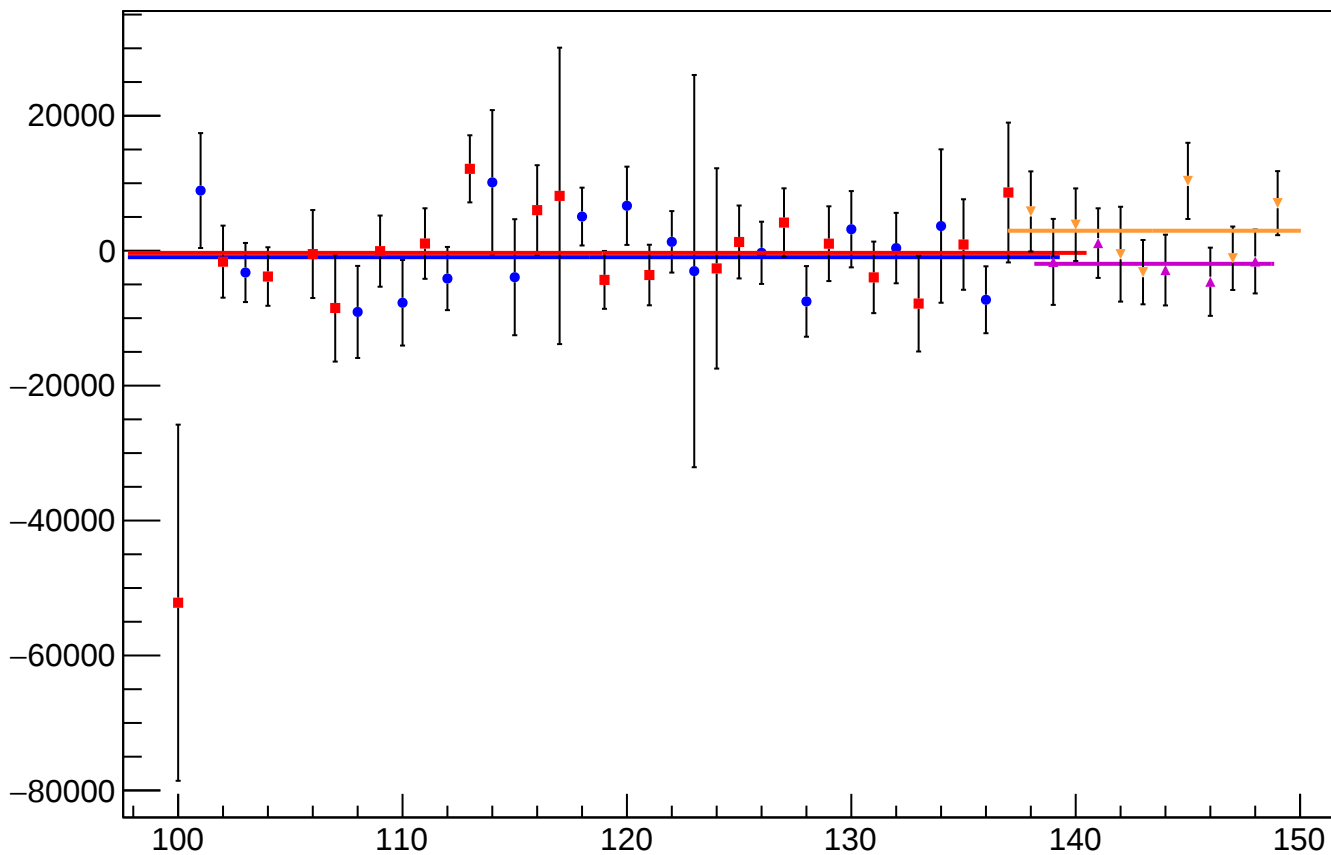
Right Out: 732.303 $\pm$ 0.345 χ^2 /NDF: 9559853.6/19

Left In: 4196.755 $\pm$ 1.483 χ^2 /NDF:60151.9/4

729.501 $\pm$ 0.263 χ^2 /NDF: 15434950.7/23

910.056 $\pm$ 0.336 χ^2 /NDF: 14794748.2/24

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 2958.980+/-2007.604 χ^2/NDF : 5.4/6

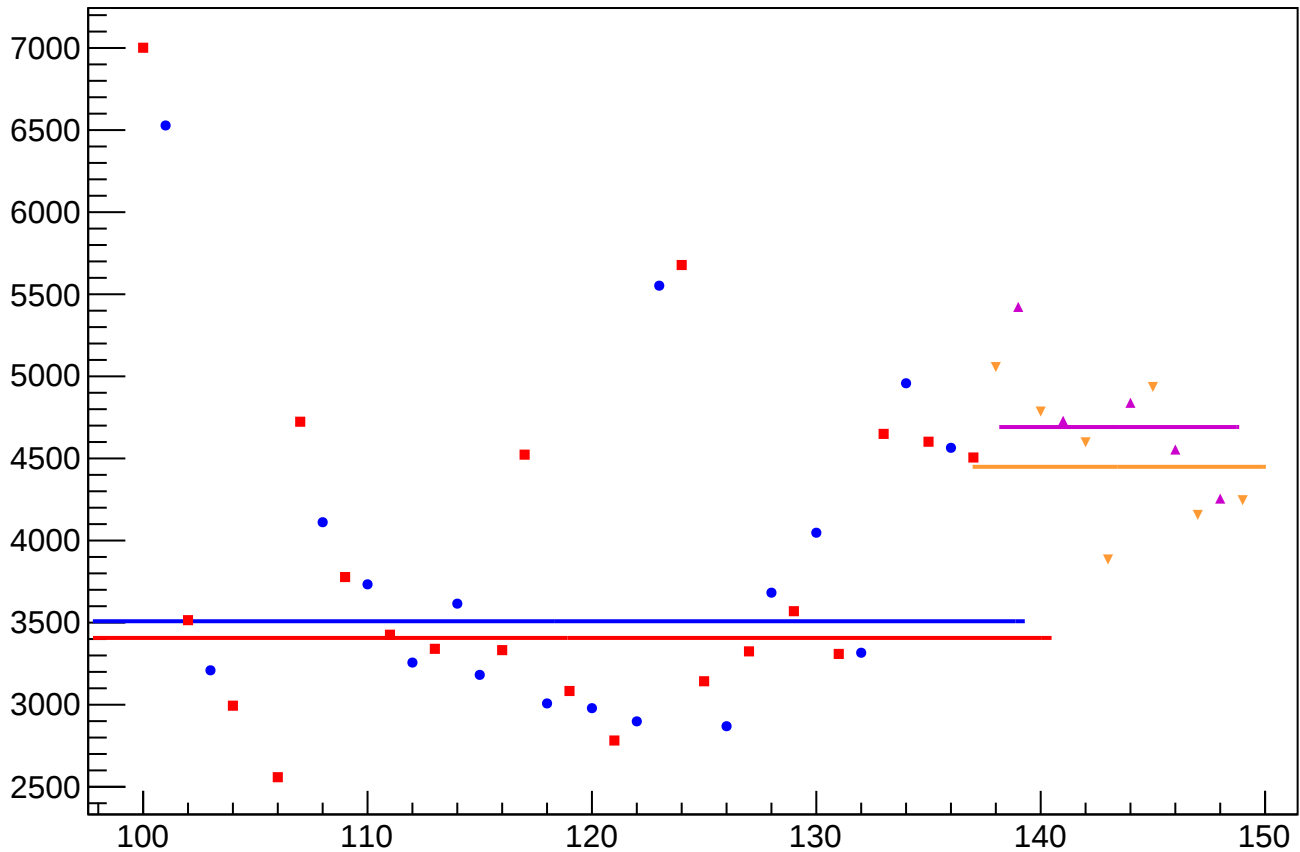
Right Out: -323.694+/-1327.331 χ^2/NDF : 17.8/19

Left In: -1943.891+/-2342.228 χ^2/NDF : 0.7/4

314.044+/-1145.935 χ^2/NDF : 21.7/23

-717.532+/-1154.793 χ^2/NDF : 18.8/24

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4449.091+/-1.420 χ^2/NDF : 83964.3/6

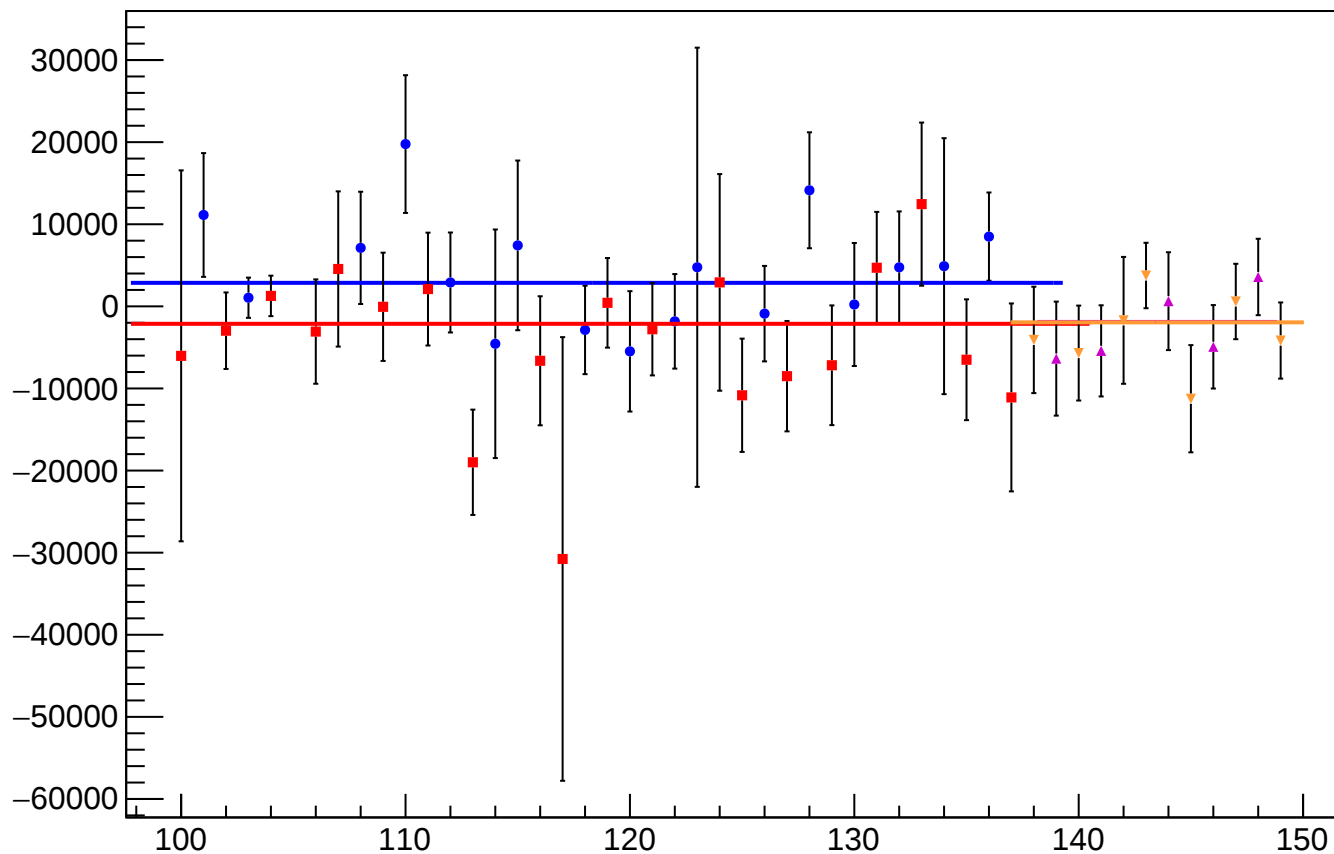
3814.940+/-0.810 χ^2/NDF : 942150.5/23

Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

3712.999+/-0.809 χ^2/NDF : 938316.7/24

Left In: 4691.322+/-1.656 χ^2/NDF : 46465.7/4

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -1948.189+/-1996.780 χ^2/NDF : 5.1/6

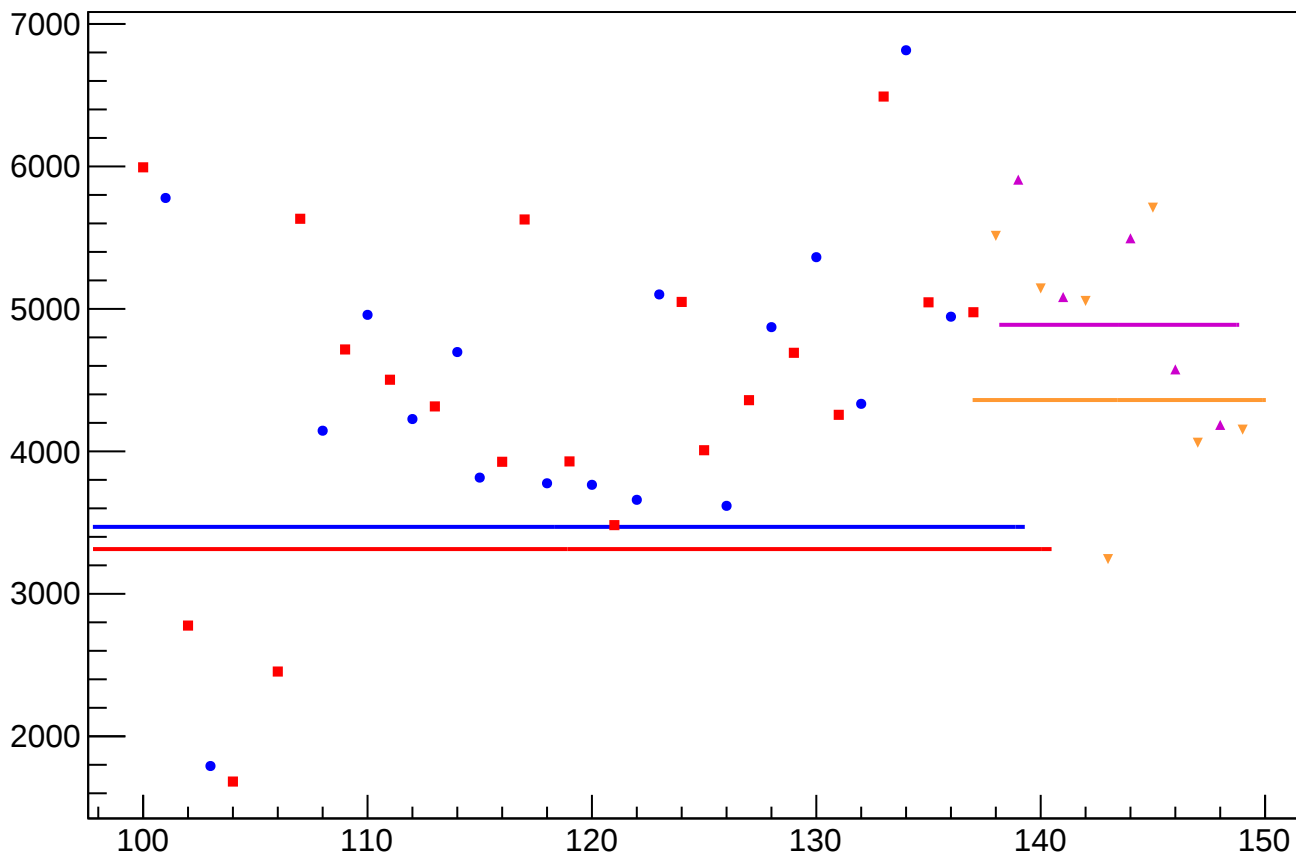
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -1898.107+/-2452.458 χ^2/NDF : 2.7/4

1199.065+/-1174.690 χ^2/NDF : 23.0/23

-2071.288+/-1202.521 χ^2/NDF : 21.6/24

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 ± 1.027 χ^2/NDF : 1760860.6/16

Left Out: 4360.320 ± 1.412 χ^2/NDF : 371279.5/6

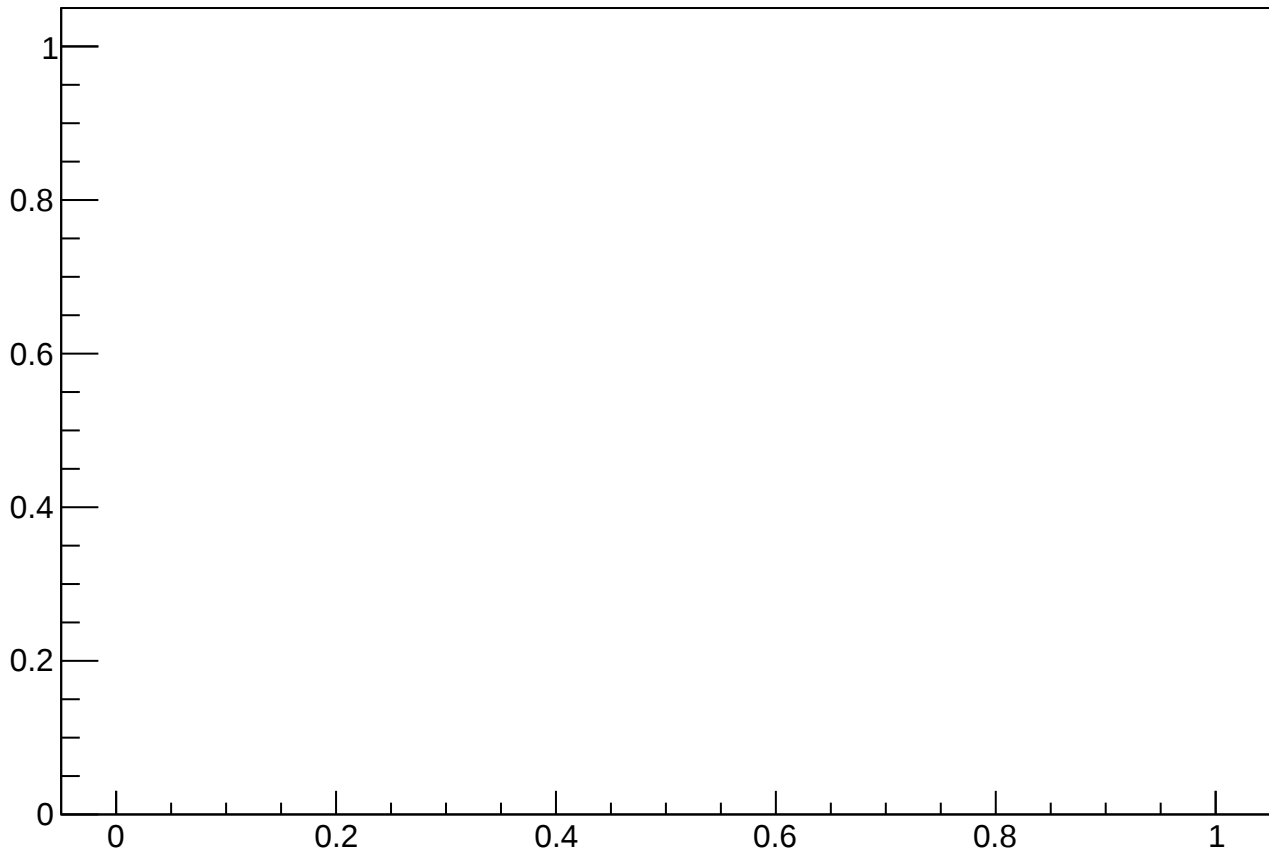
Right Out: 3314.183 ± 0.967 χ^2/NDF : 1925484.9/19

Left In: 4888.329 ± 1.734 χ^2/NDF : 119484.3/4

3778.147 ± 0.831 χ^2/NDF : 2392124.9/23

3687.411 ± 0.844 χ^2/NDF : 2673584.8/24

asym_atl_avg_atr_avg_avg_correction_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

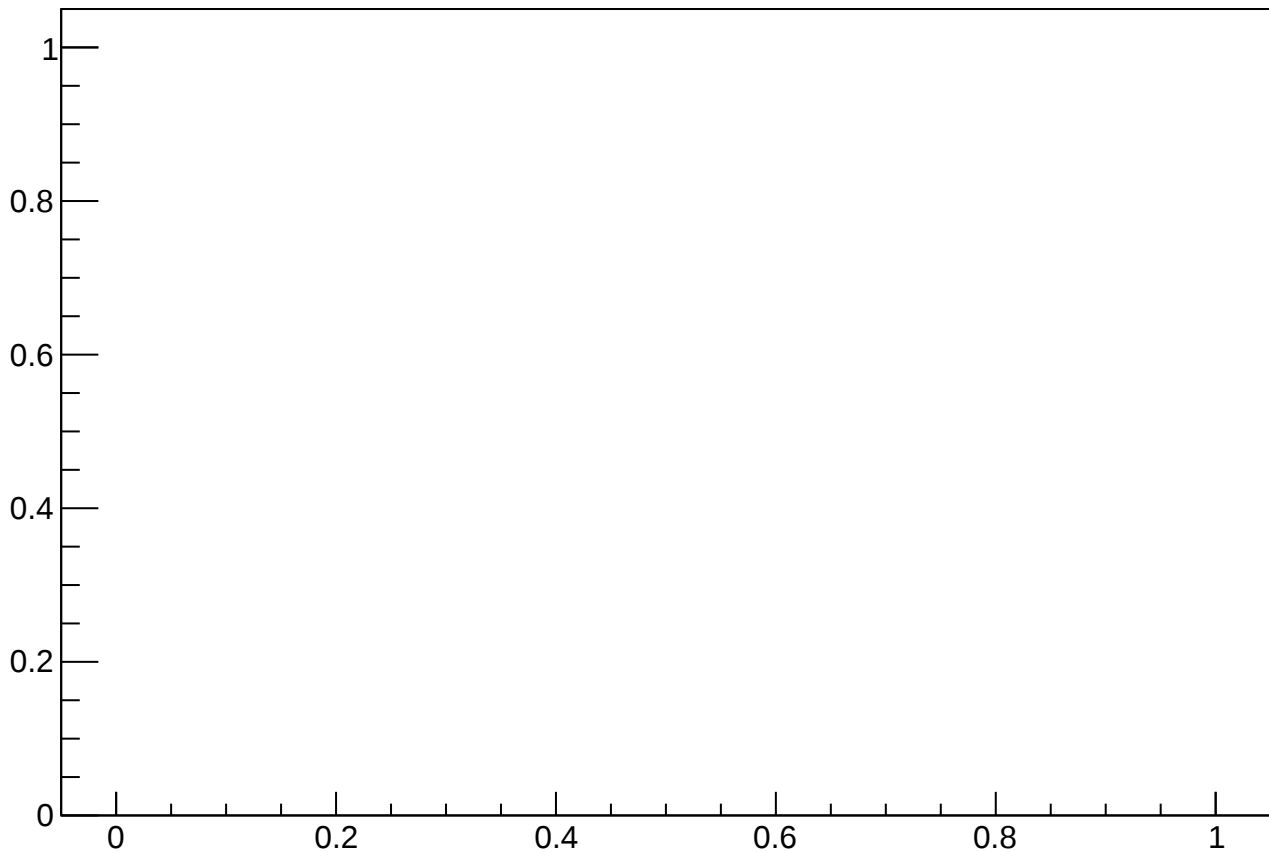
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

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

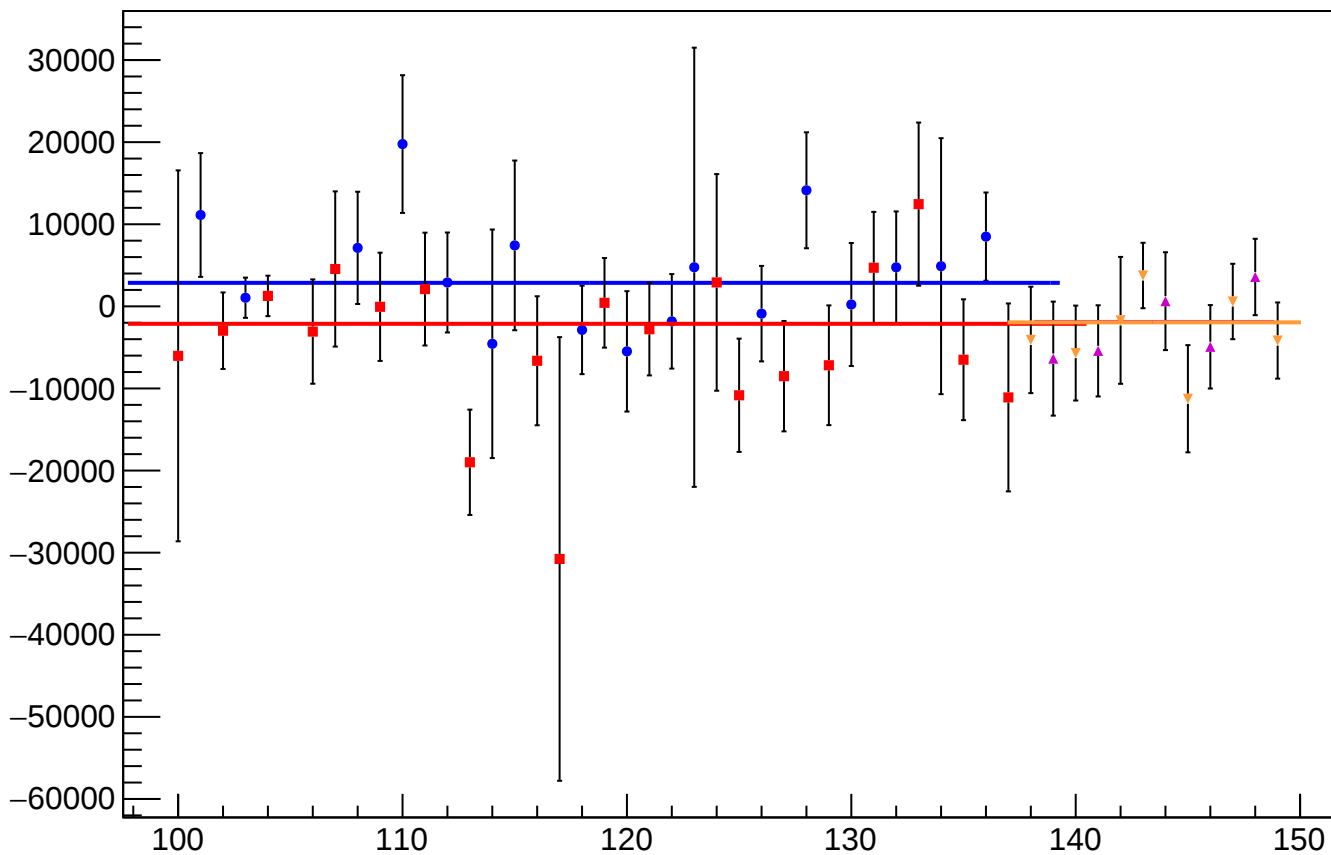
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: -1948.189 $\pm$ 1996.780 χ^2 /NDF: 5.1/6

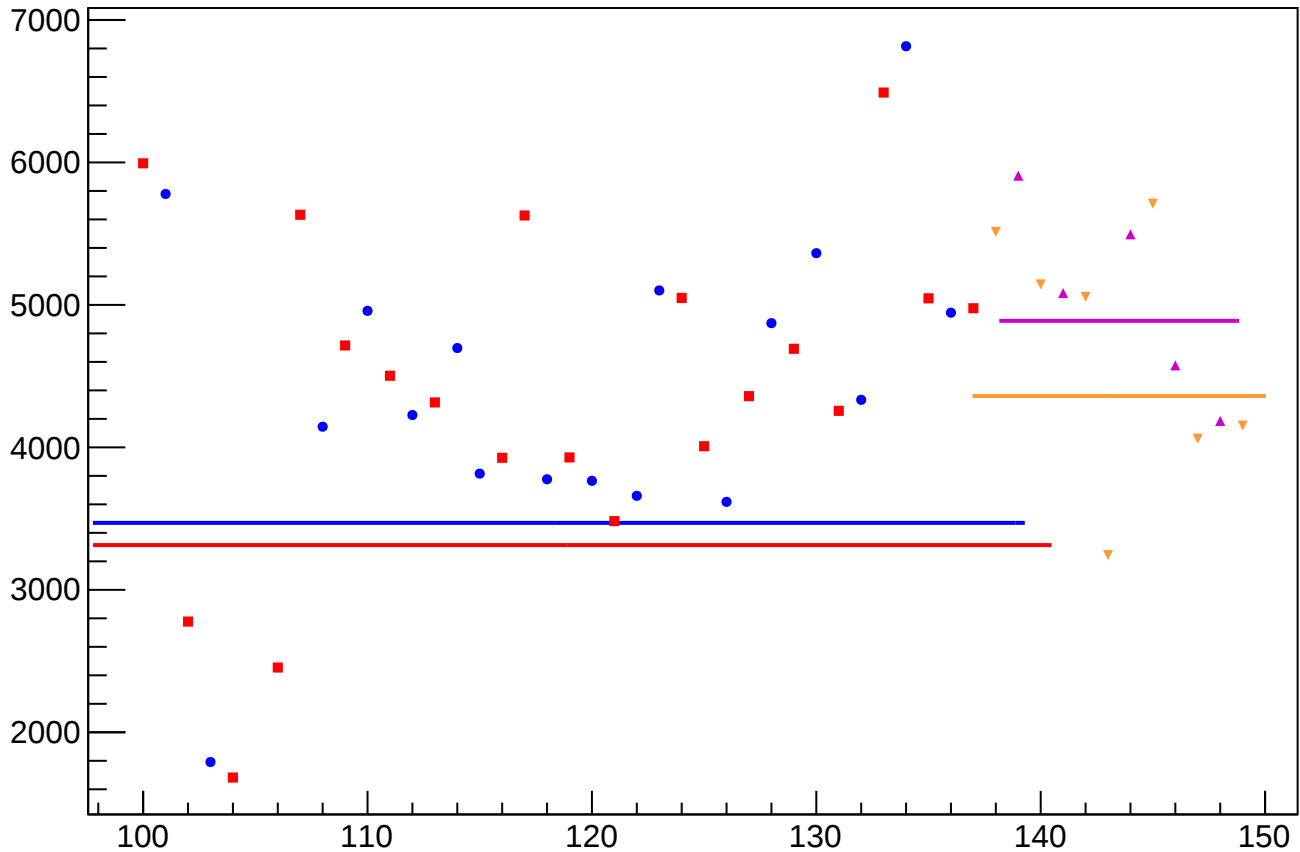
Right Out: -2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

Left In: -1898.107 $\pm$ 2452.458 χ^2 /NDF: 2.7/4

1199.065 $\pm$ 1174.690 χ^2 /NDF: 23.0/23

-2071.288 $\pm$ 1202.521 χ^2 /NDF: 21.6/24

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4360.320 $\pm$ 1.412 χ^2 /NDF: 371279.5/6

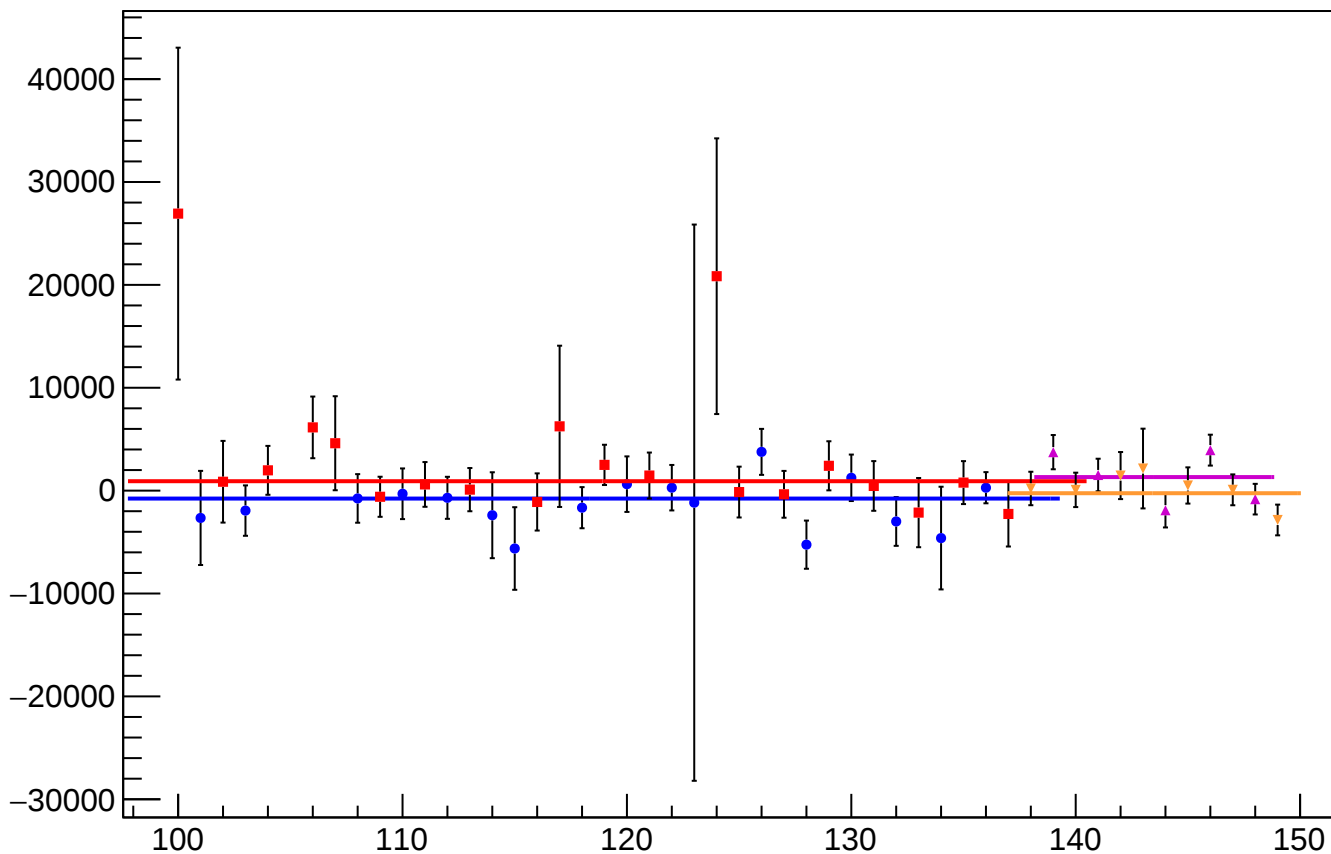
Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

Left In: 4888.329 $\pm$ 1.734 χ^2 /NDF: 119484.3/4

3778.147 $\pm$ 0.831 χ^2 /NDF: 2392124.9/23

3687.411 $\pm$ 0.844 χ^2 /NDF: 2673584.8/24

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -251.213+/-672.837 χ^2/NDF : 4.3/6

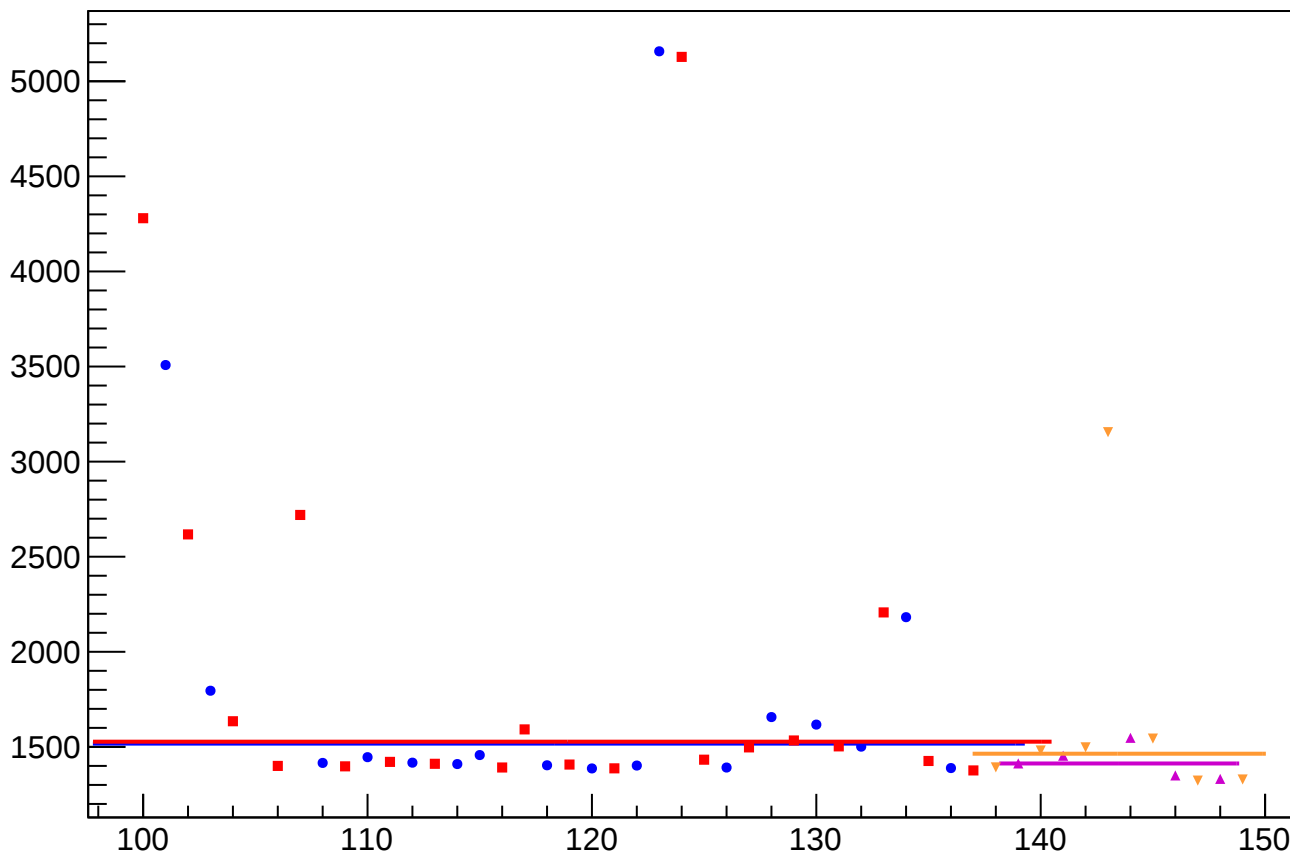
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 1317.502+/-704.969 χ^2/NDF : 11.0/4

-539.265+/-449.337 χ^2/NDF : 17.9/23

1082.422+/-453.956 χ^2/NDF : 25.1/24

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1464.114+/-0.476 χ^2/NDF : 423476.5/6

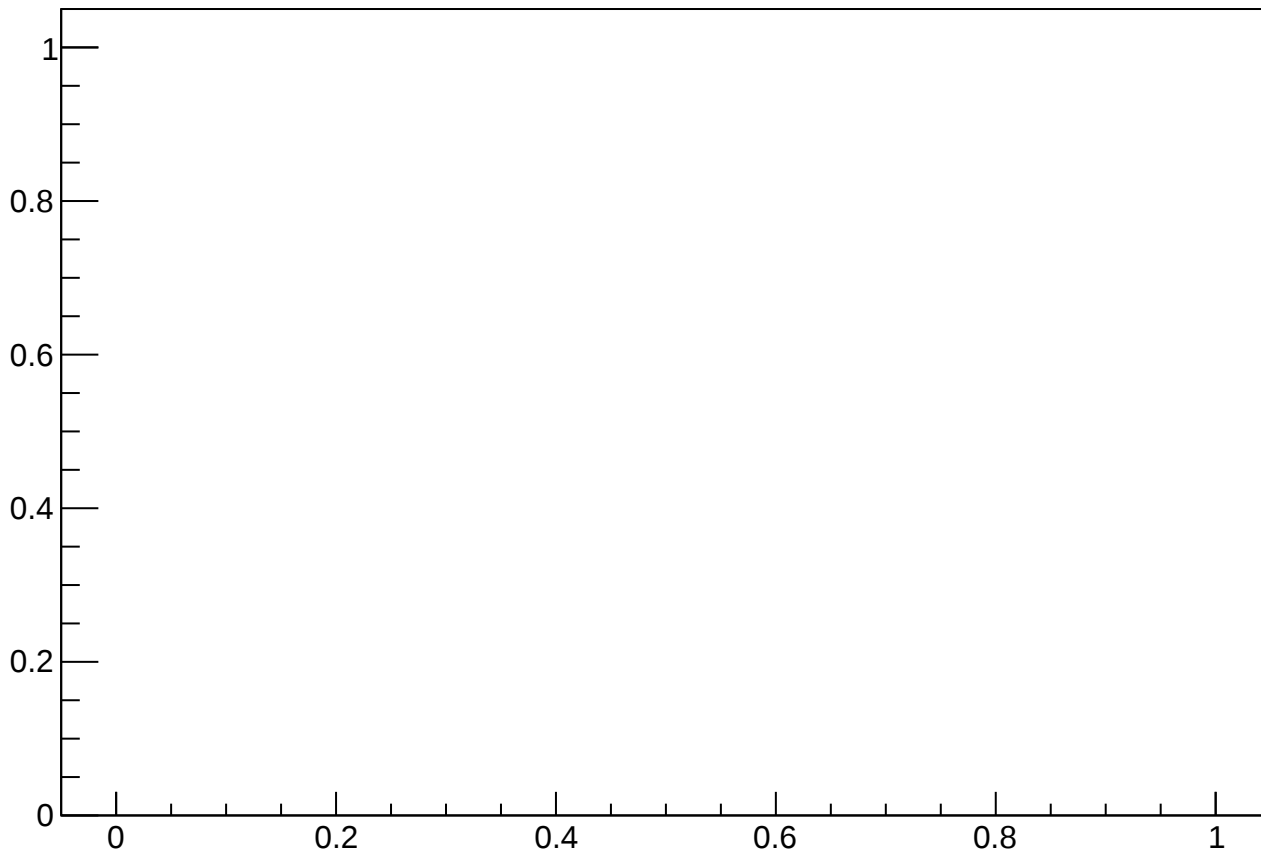
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1412.778+/-0.498 χ^2/NDF : 23734.0/4

1493.599+/-0.318 χ^2/NDF : 967071.5/23

1479.858+/-0.321 χ^2/NDF : 686491.4/24

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

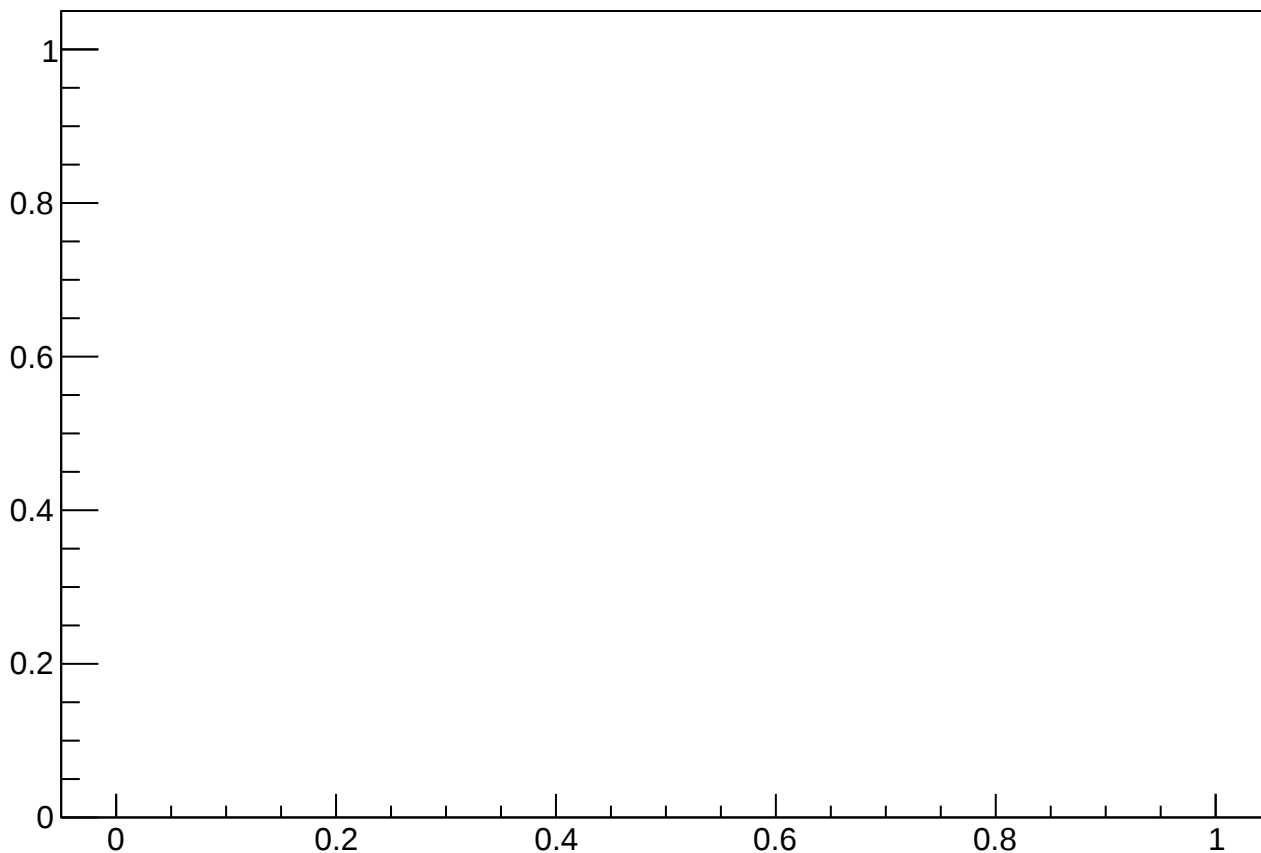
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

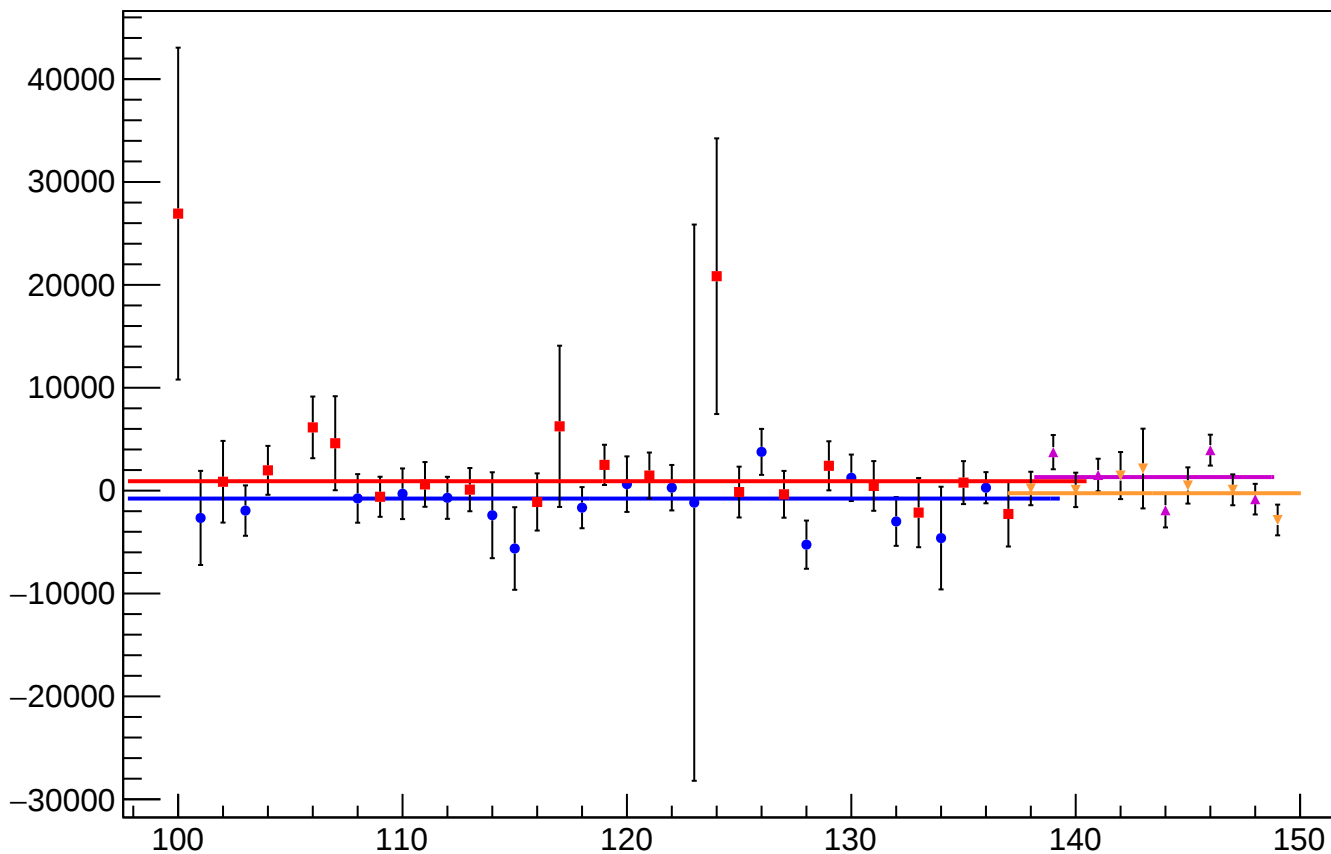
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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: -251.213+/-672.837 χ^2/NDF : 4.3/6

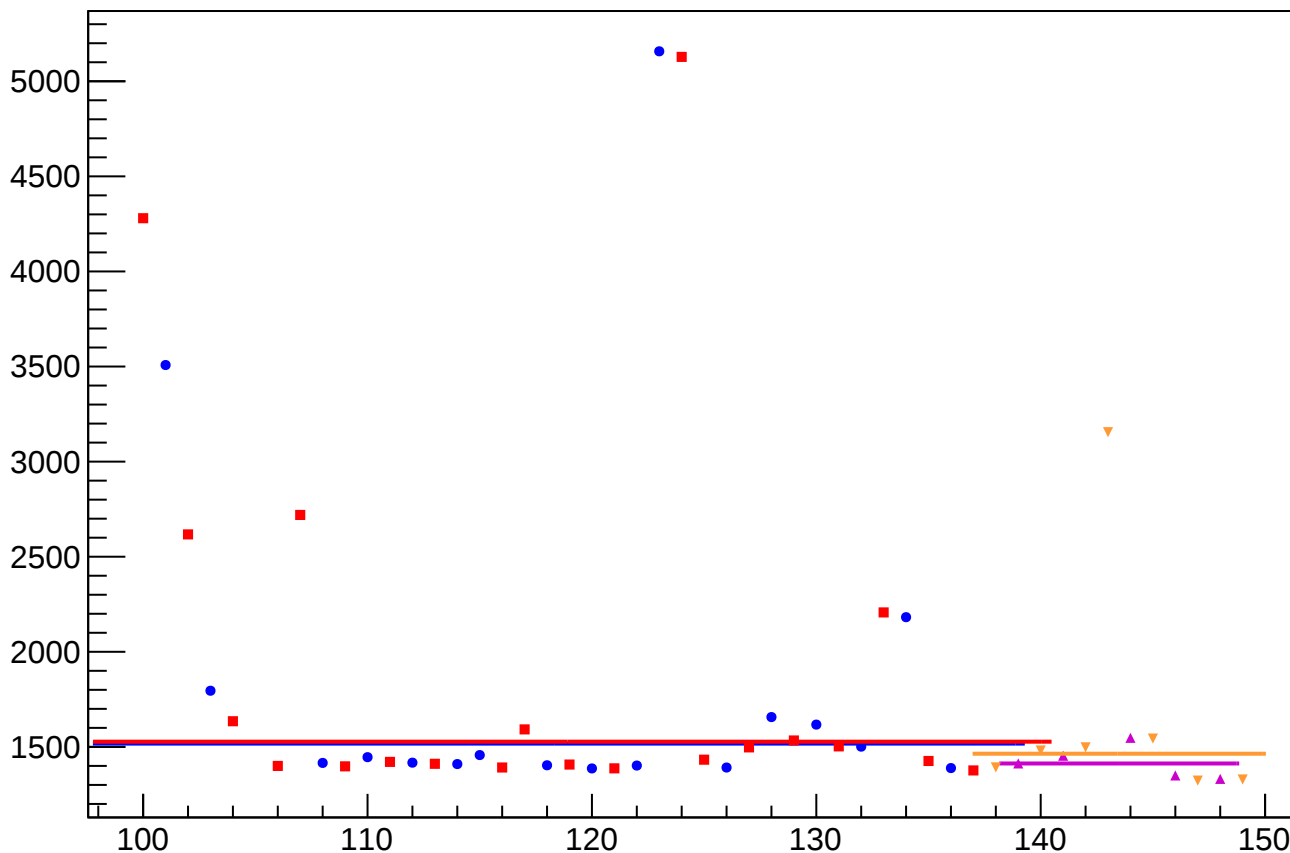
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 1317.502+/-704.969 χ^2/NDF : 11.0/4

-539.265+/-449.337 χ^2/NDF : 17.9/23

1082.422+/-453.956 χ^2/NDF : 25.1/24

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1464.114+/-0.476 χ^2/NDF : 423476.5/6

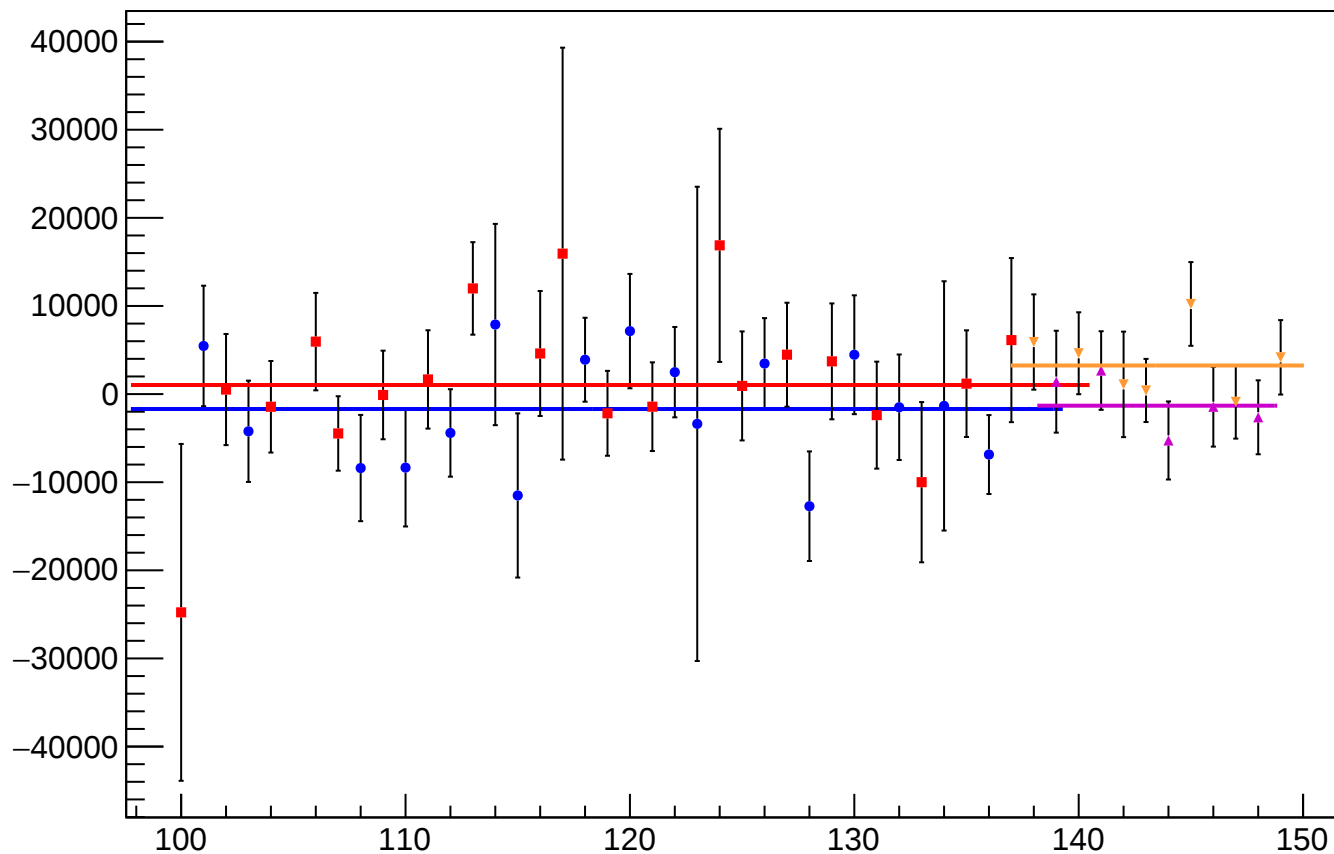
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1412.778+/-0.498 χ^2/NDF : 23734.0/4

1493.599+/-0.318 χ^2/NDF : 967071.5/23

1479.858+/-0.321 χ^2/NDF : 686491.4/24

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604±/-1512.935 χ^2 /NDF: 15.8/16

Left Out: 3244.712±/-1704.851 χ^2 /NDF:4.3/6

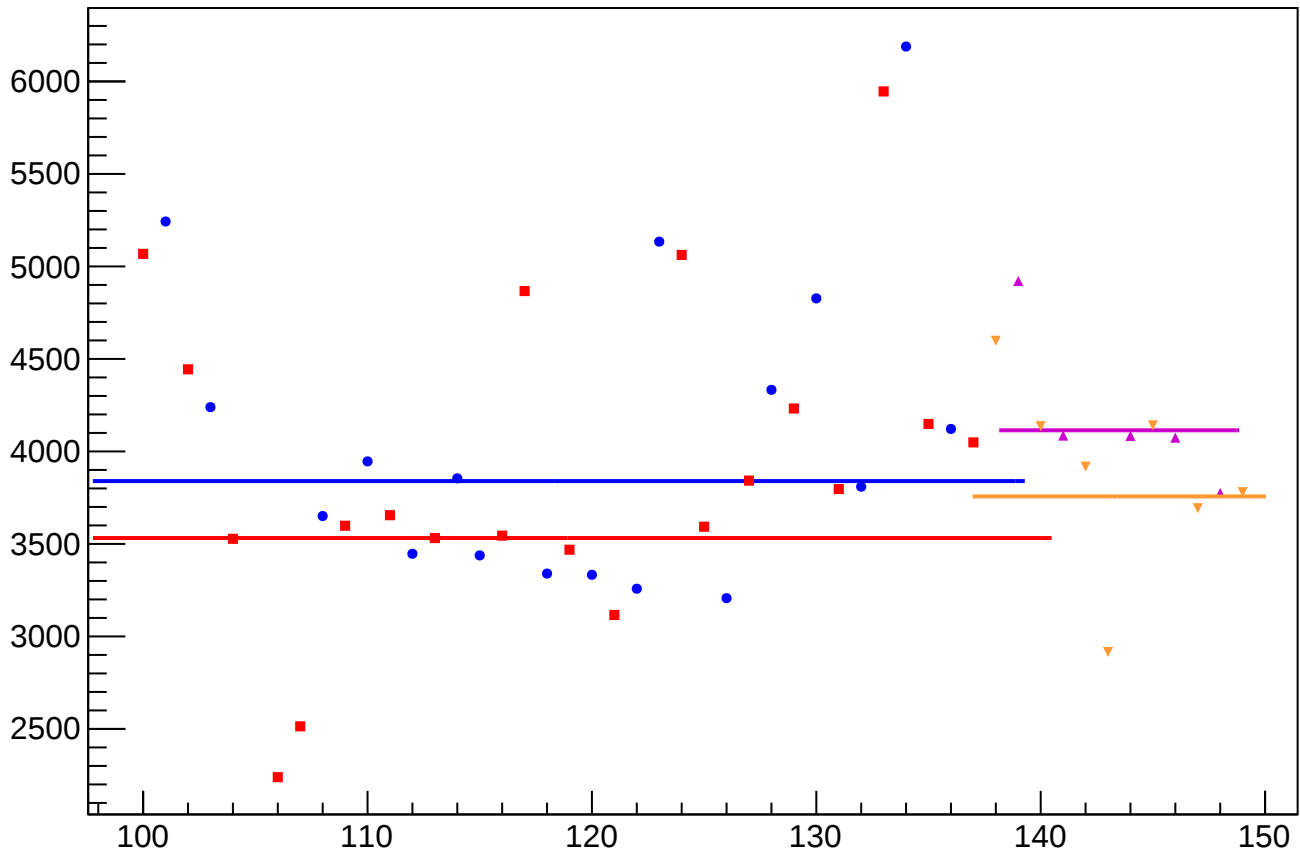
Right Out: 1029.768±/-1376.481 χ^2 /NDF: 14.3/19

Left In: -1316.576±/-2054.695 χ^2 /NDF:1.9/4

482.626±/-1131.601 χ^2 /NDF: 24.8/23

302.941±/-1143.582 χ^2 /NDF: 17.2/24

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3756.753+/-1.206 χ^2/NDF : 186953.7/6

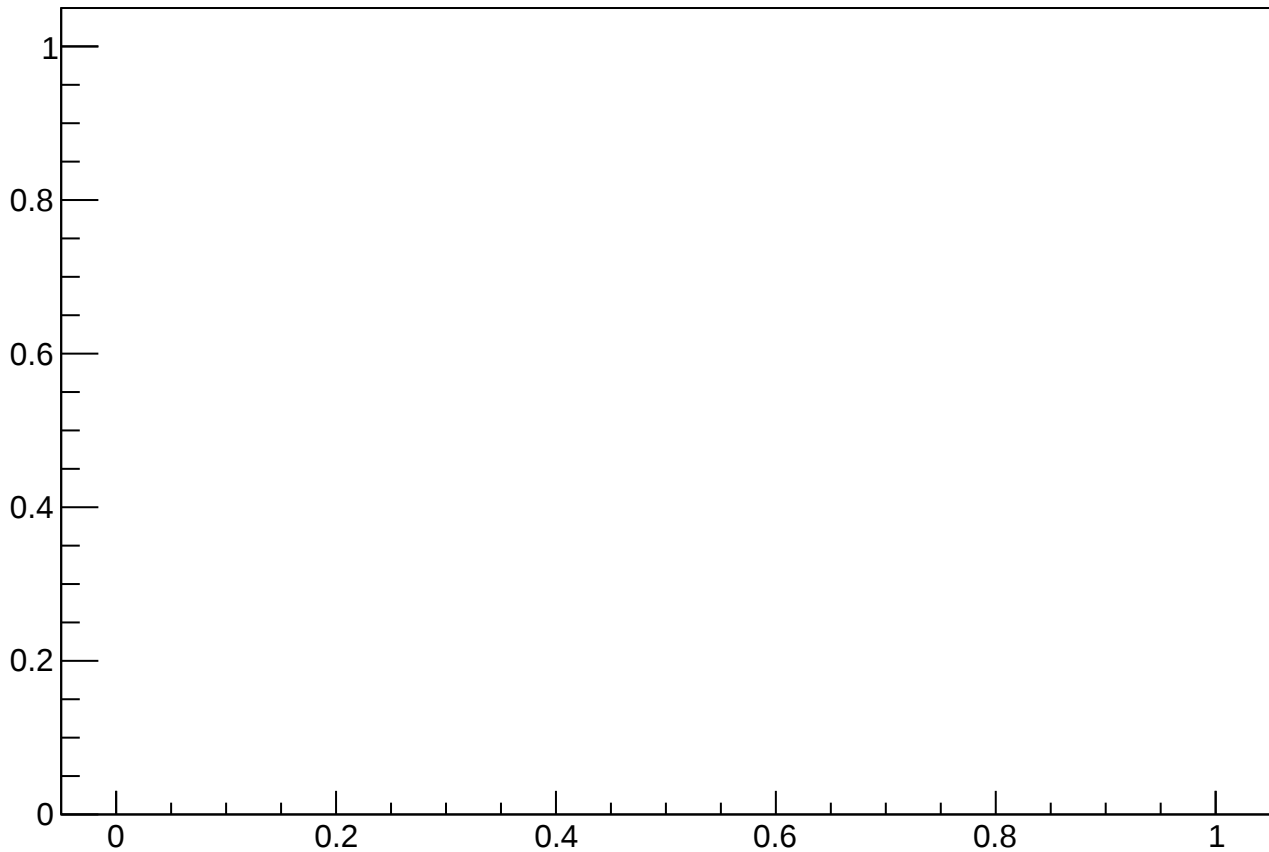
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4114.215+/-1.453 χ^2/NDF : 52360.5/4

3803.186+/-0.800 χ^2/NDF : 515564.7/23

3710.013+/-0.804 χ^2/NDF : 725200.0/24

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

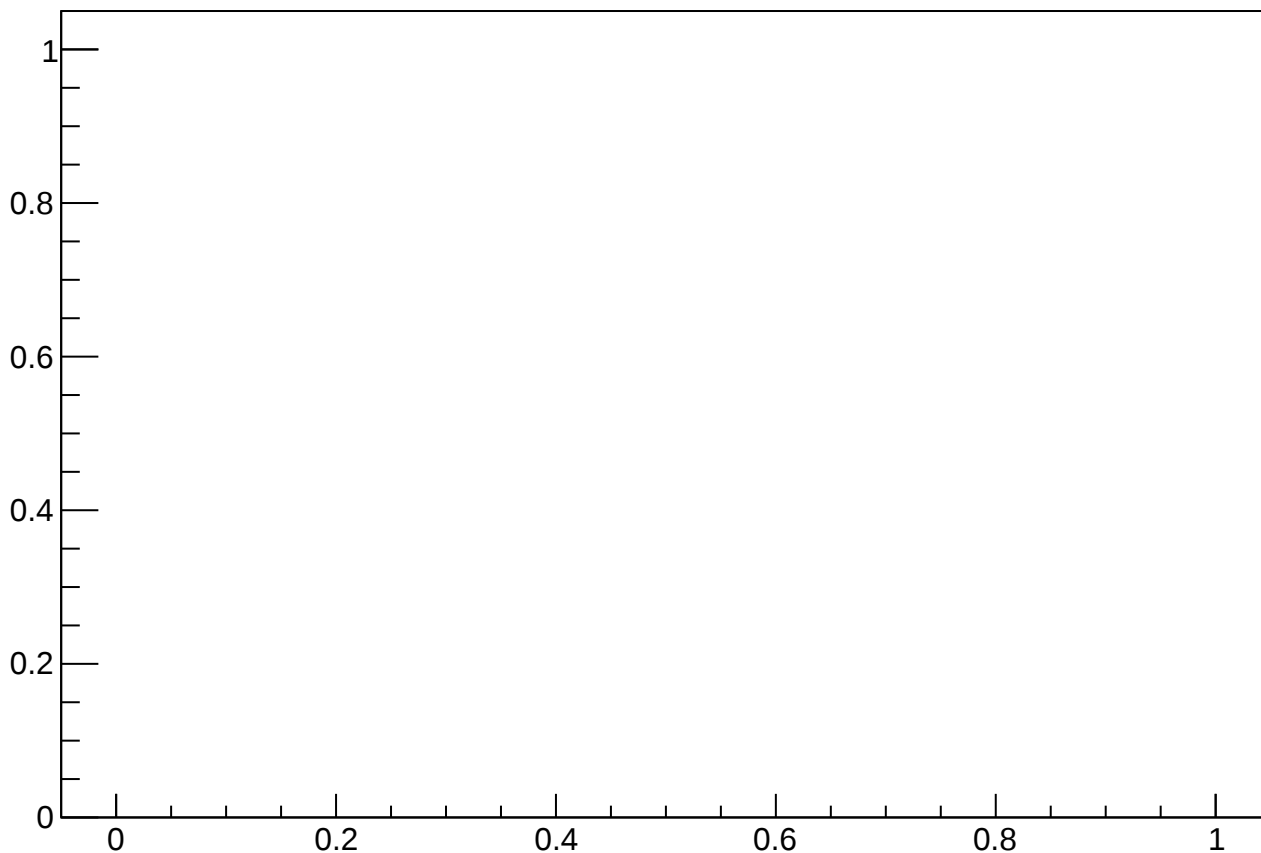
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

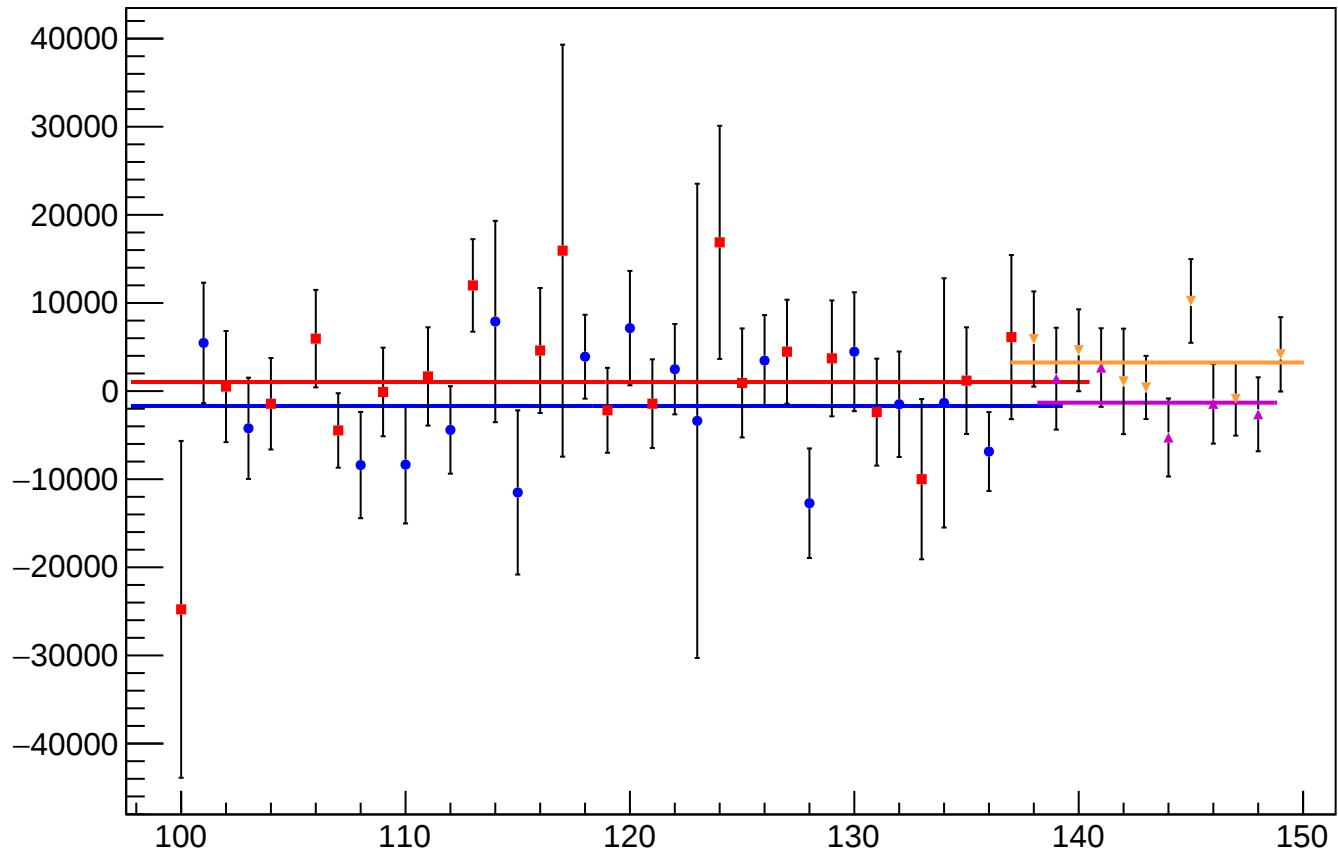
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 3244.712 $\pm$ 1704.851 χ^2 /NDF:4.3/6

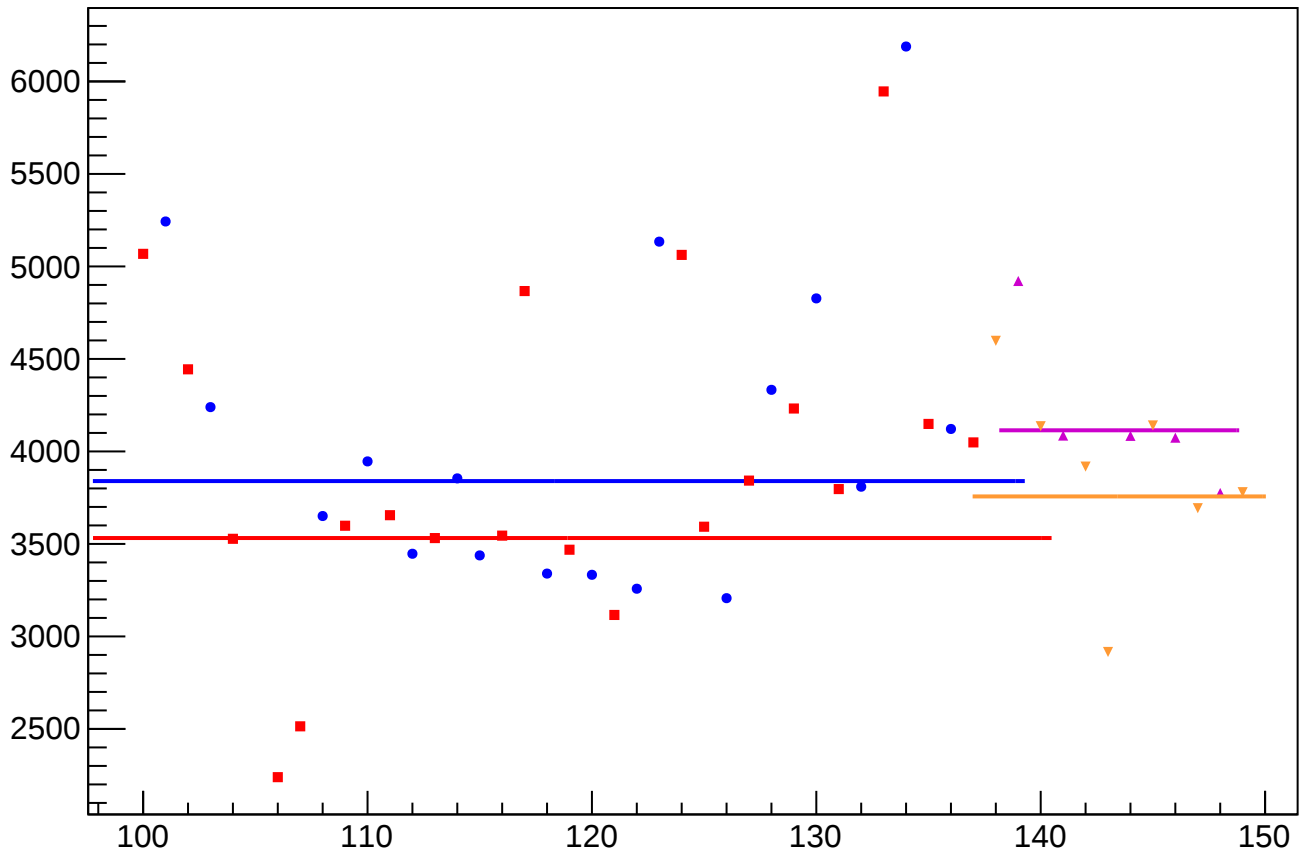
Right Out: 1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

Left In: -1316.576 $\pm$ 2054.695 χ^2 /NDF:1.9/4

482.626 $\pm$ 1131.601 χ^2 /NDF: 24.8/23

302.941 $\pm$ 1143.582 χ^2 /NDF: 17.2/24

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3756.753+/-1.206 χ^2/NDF : 186953.7/6

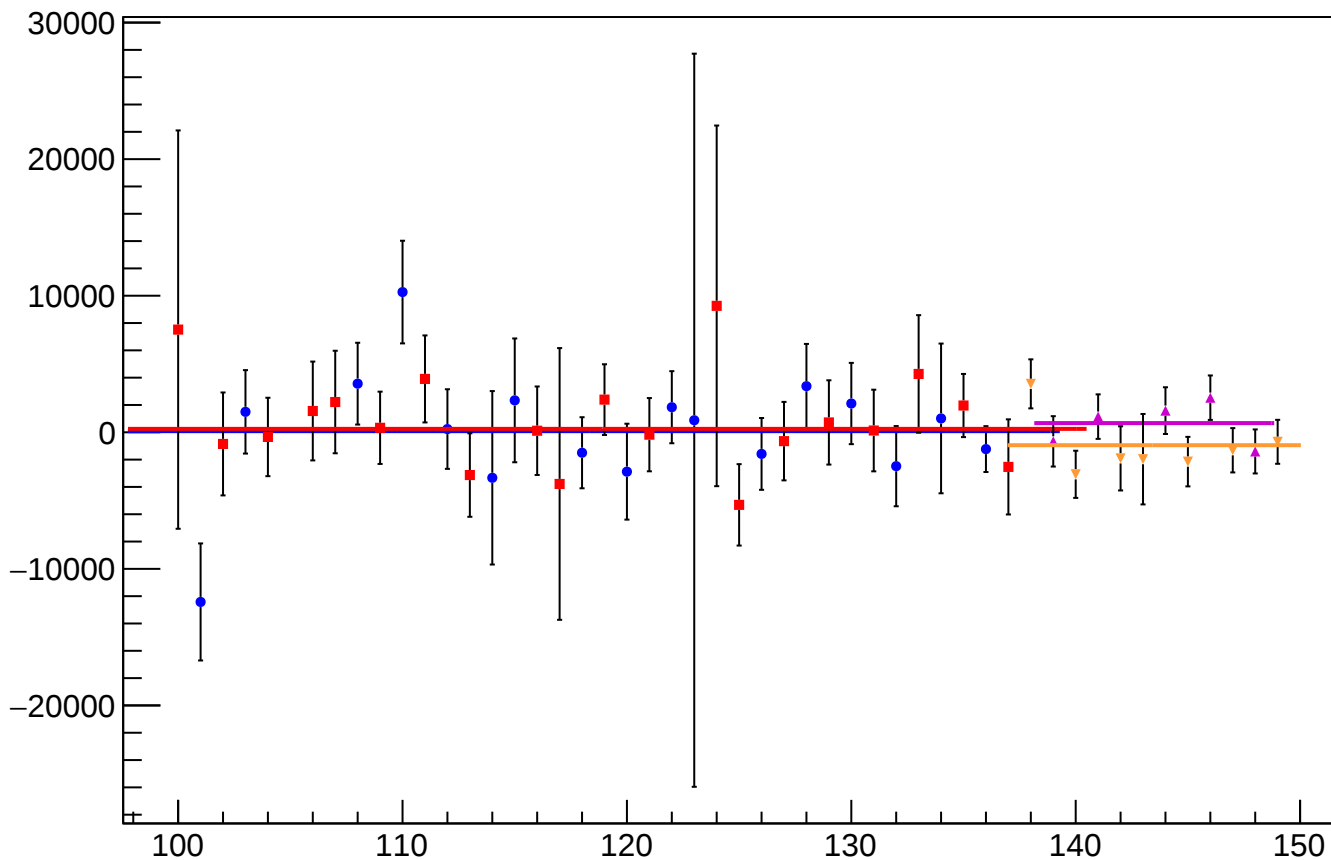
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4114.215+/-1.453 χ^2/NDF : 52360.5/4

3803.186+/-0.800 χ^2/NDF : 515564.7/23

3710.013+/-0.804 χ^2/NDF : 725200.0/24

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -945.251 ± 709.130 $\chi^2/\text{NDF}: 8.6/6$

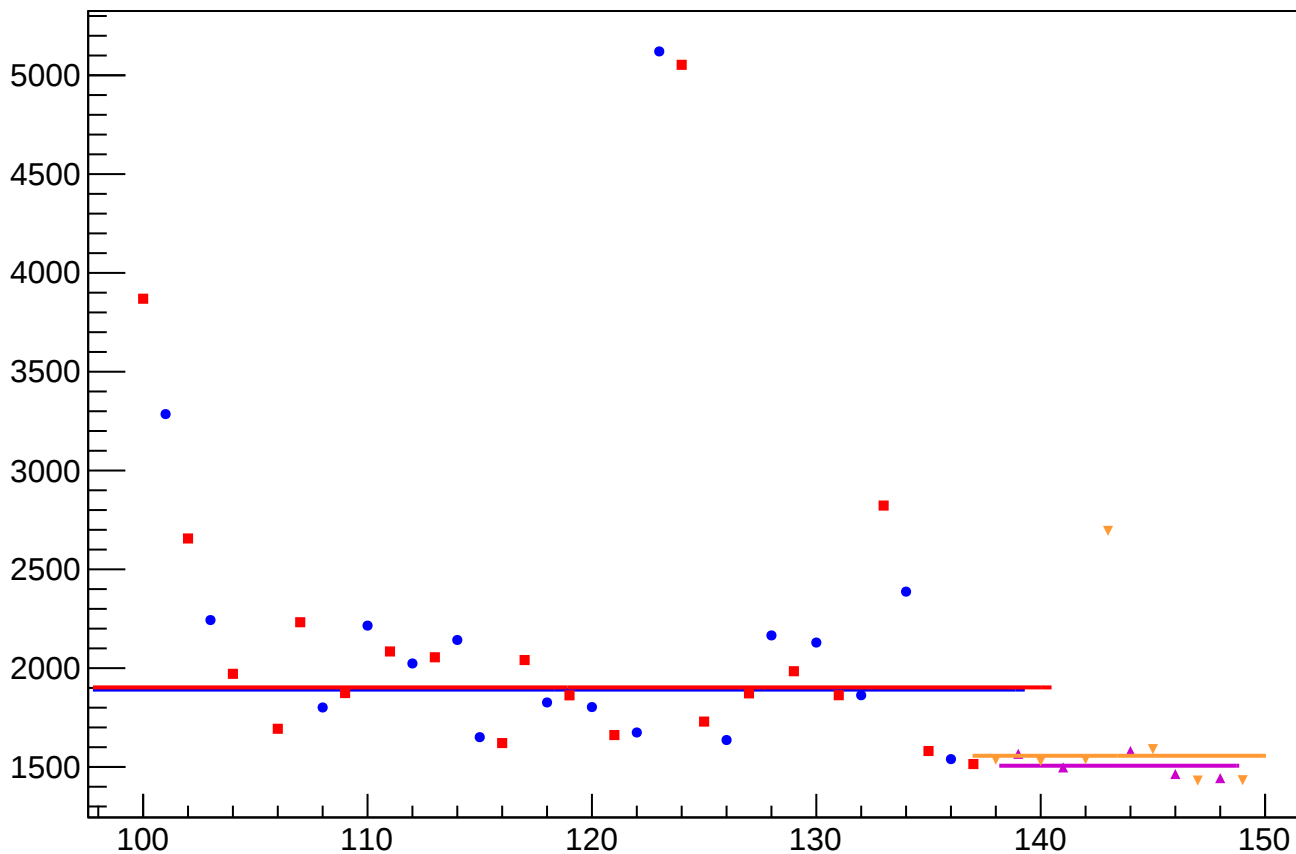
Right Out: 250.743 ± 732.124 $\chi^2/\text{NDF}: 10.3/19$

Left In: 673.589 ± 750.745 $\chi^2/\text{NDF}: 3.9/4$

-459.873 ± 515.452 $\chi^2/\text{NDF}: 32.5/23$

456.857 ± 524.149 $\chi^2/\text{NDF}: 14.4/24$

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 ± 0.531 χ^2/NDF : 464497.5/16

Left Out: 1556.639 ± 0.501 χ^2/NDF : 261603.7/6

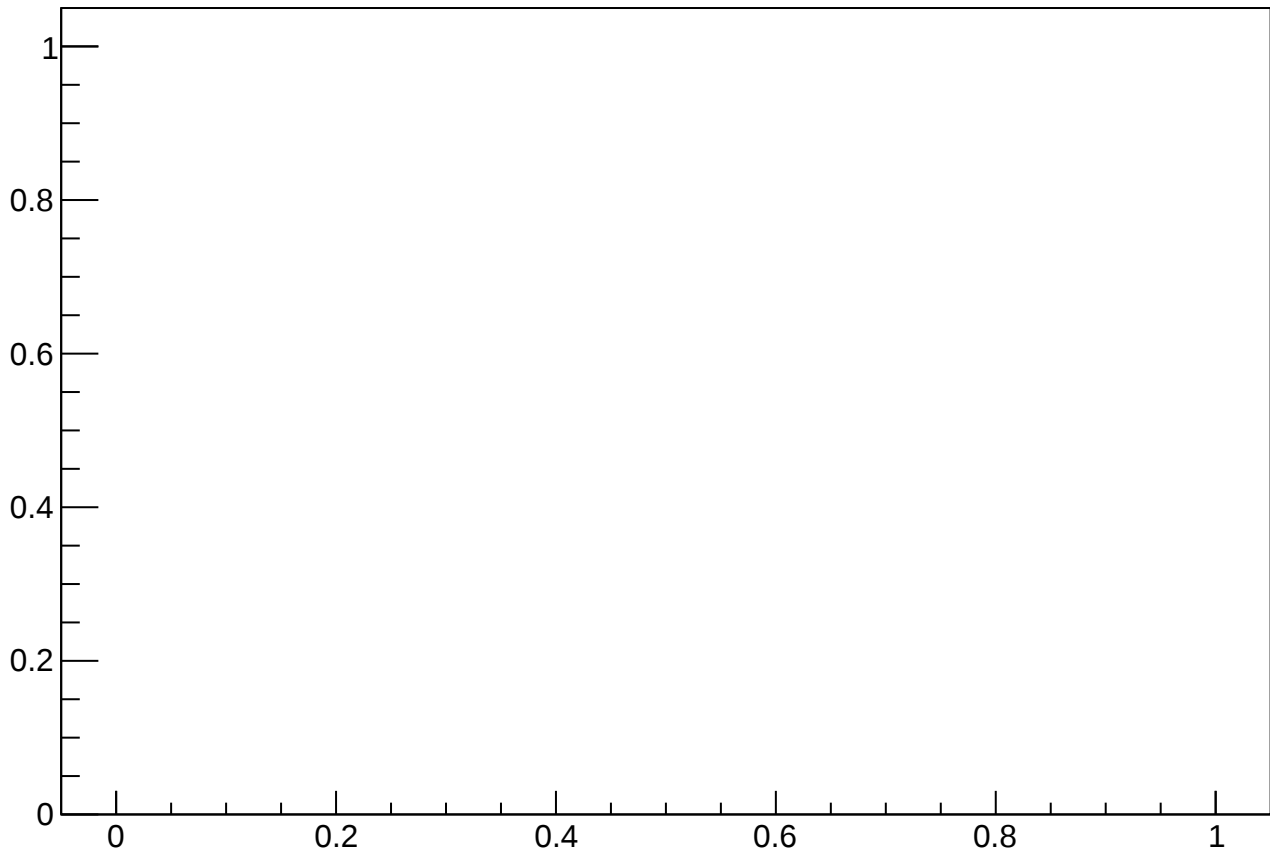
Right Out: 1902.551 ± 0.518 χ^2/NDF : 461077.0/19

Left In: 1506.318 ± 0.531 χ^2/NDF : 10355.9/4

1714.573 ± 0.364 χ^2/NDF : 936434.0/23

1709.412 ± 0.371 χ^2/NDF : 756991.6/24

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

0.000+/-0.000 χ^2/NDF : 0.0/0

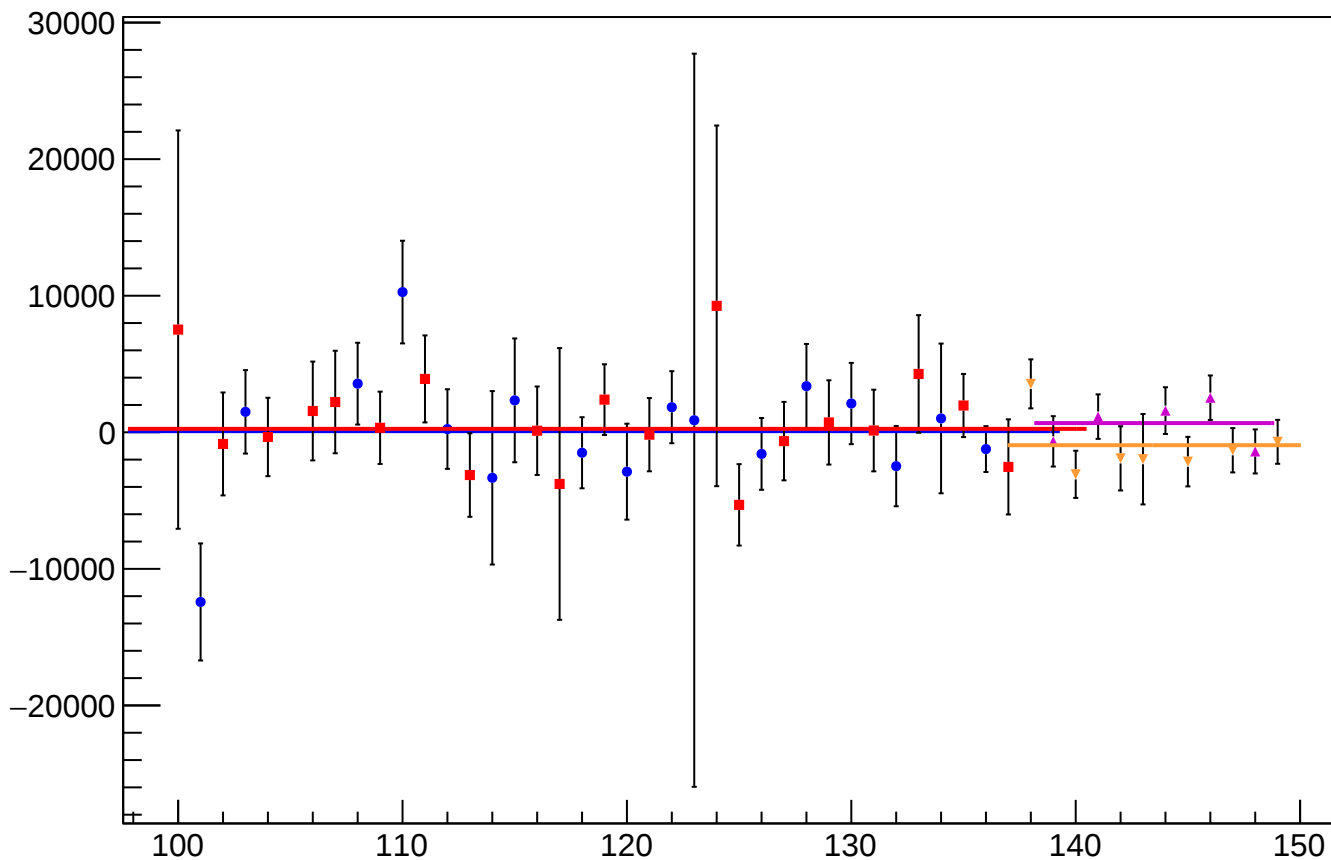
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -945.251 $\pm$ 709.130 χ^2 /NDF: 8.6/6

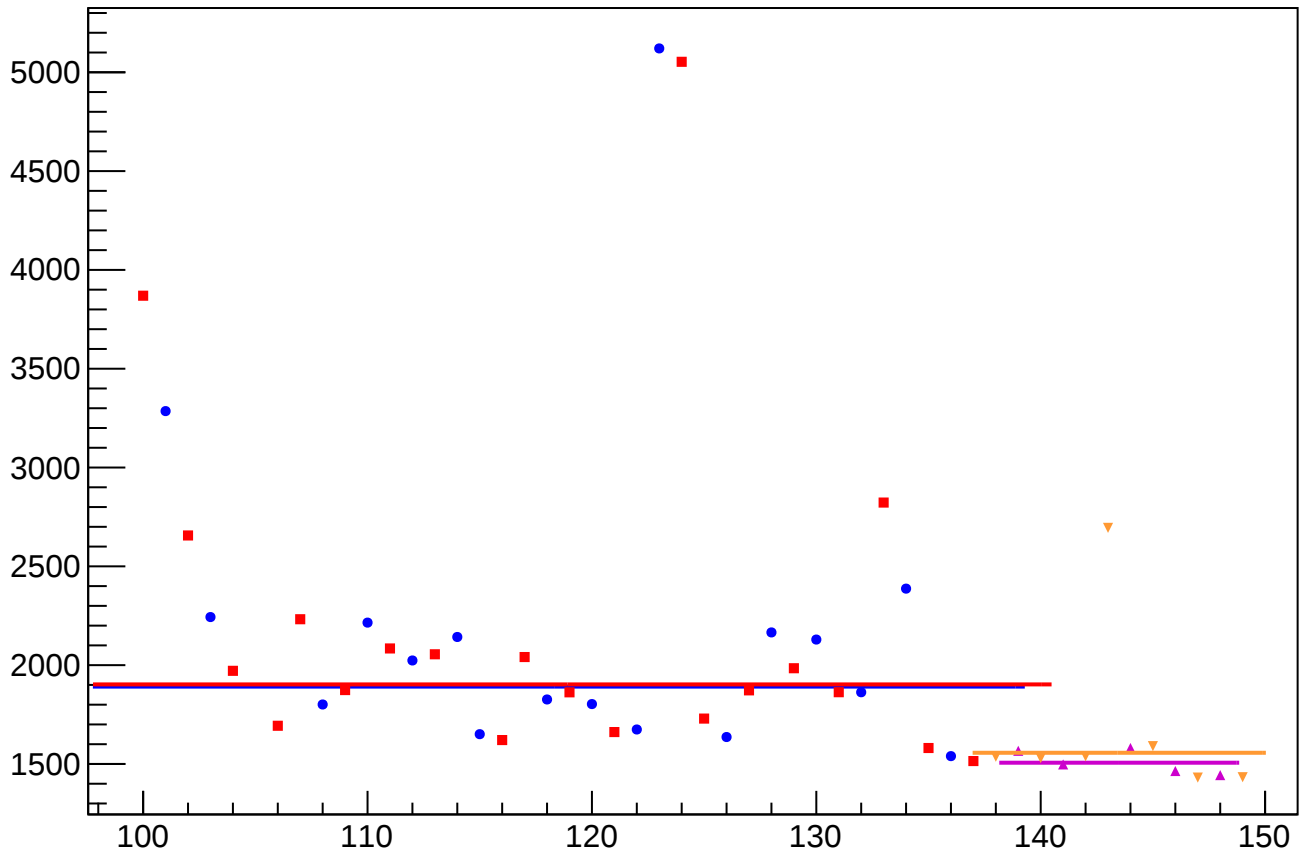
Right Out: 250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

Left In: 673.589 $\pm$ 750.745 χ^2 /NDF: 3.9/4

-459.873 $\pm$ 515.452 χ^2 /NDF: 32.5/23

456.857 $\pm$ 524.149 χ^2 /NDF: 14.4/24

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1556.639+/-0.501 χ^2/NDF : 261603.7/6

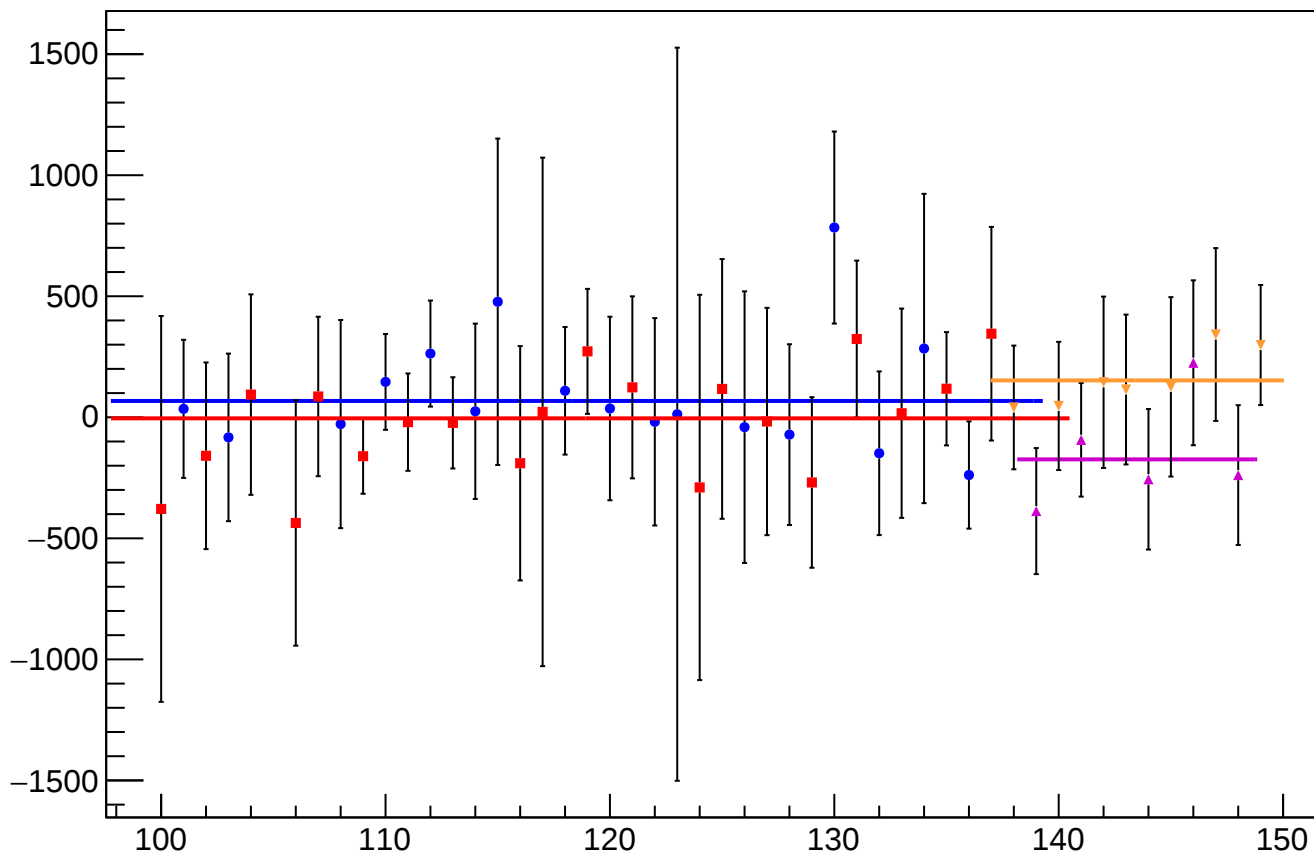
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1506.318+/-0.531 χ^2/NDF : 10355.9/4

1714.573+/-0.364 χ^2/NDF : 936434.0/23

1709.412+/-0.371 χ^2/NDF : 756991.6/24

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 152.371 $\pm$ 112.231 χ^2 /NDF: 1.0/6

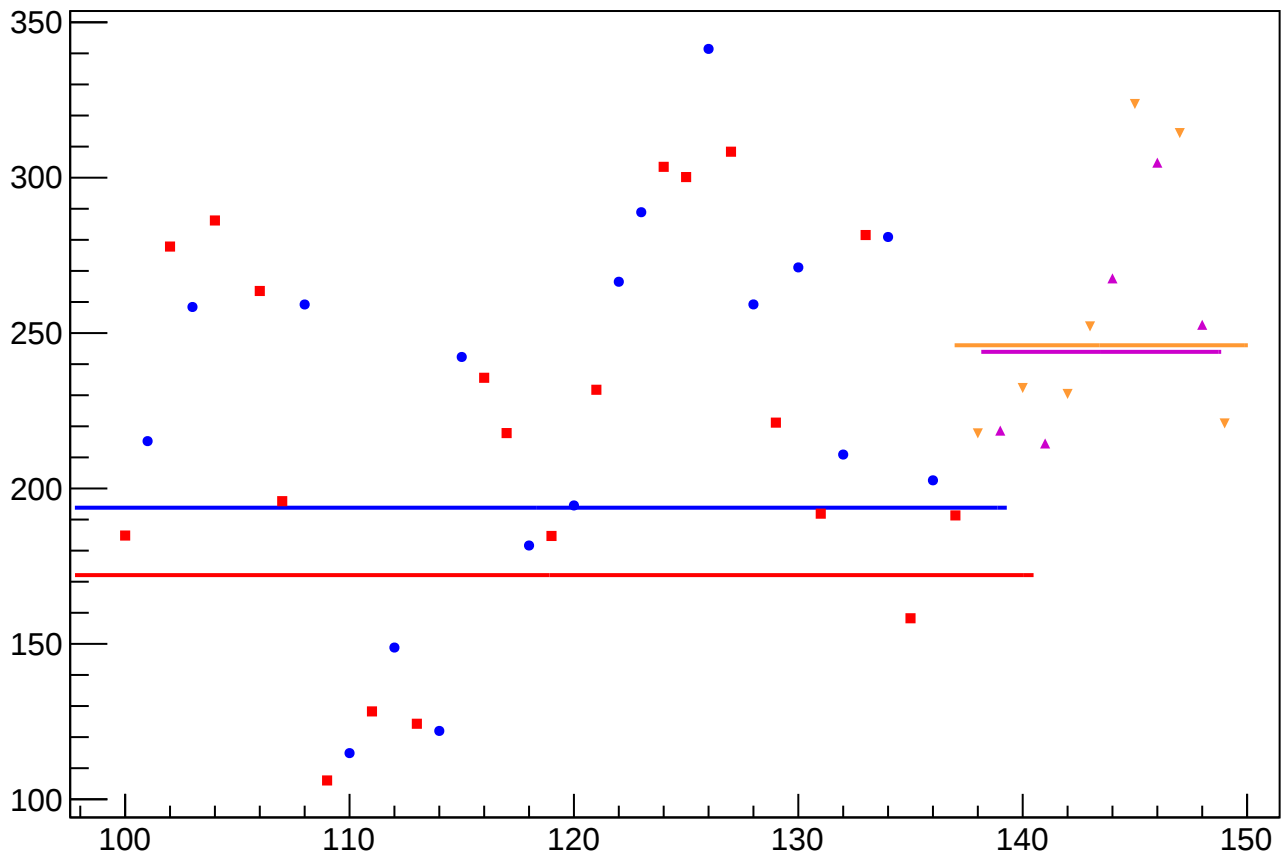
Right Out: -4.305 $\pm$ 69.854 χ^2 /NDF: 6.4/19

Left In: -173.777 $\pm$ 123.628 χ^2 /NDF: 2.3/4

95.936 $\pm$ 64.932 χ^2 /NDF: 8.9/23

-45.317 $\pm$ 60.817 χ^2 /NDF: 10.1/24

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: 246.079+/-0.079 χ^2/NDF : 216194.2/6

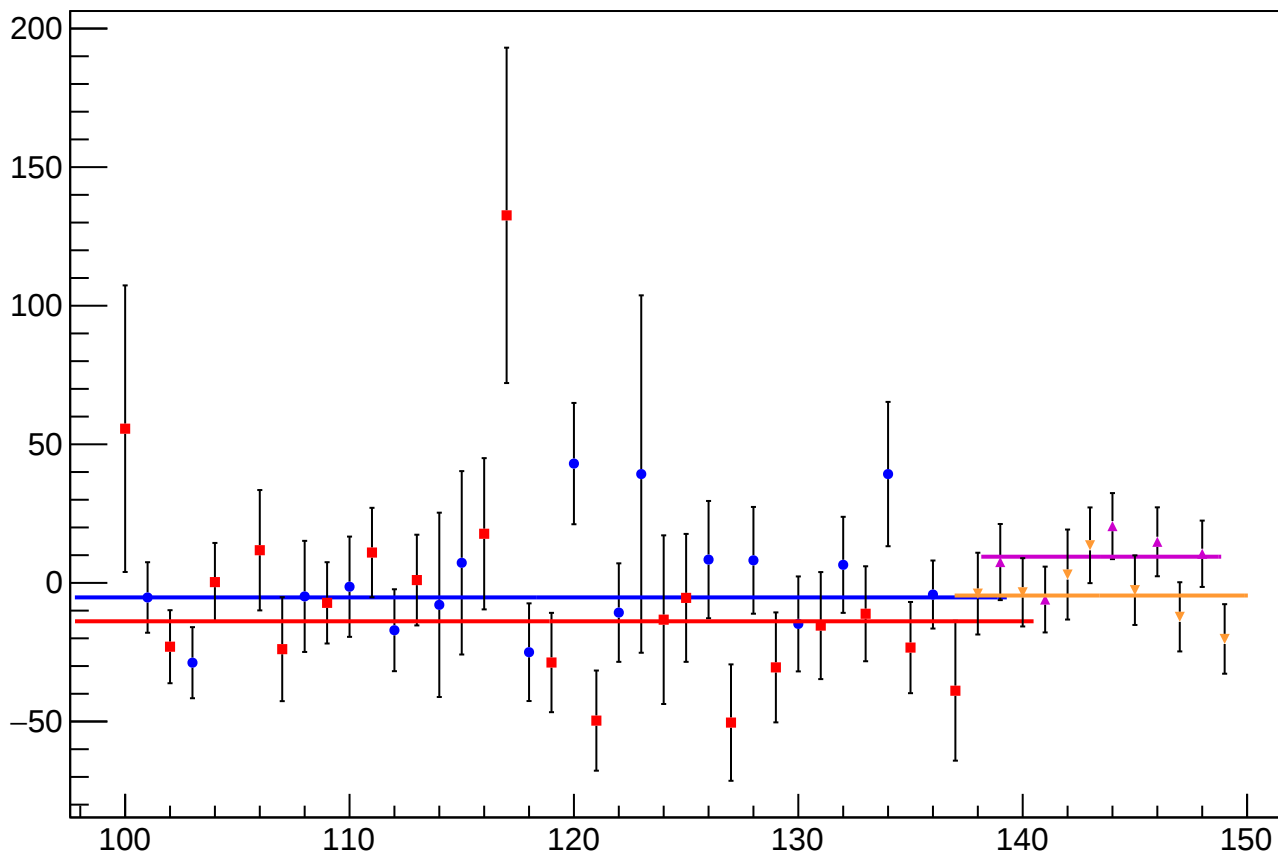
Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

Left In: 243.962+/-0.087 χ^2/NDF : 129547.6/4

211.309+/-0.046 χ^2/NDF : 1515063.9/23

189.508+/-0.043 χ^2/NDF : 2222326.2/24

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: -4.554 ± 5.034 χ^2/NDF : 4.0/6

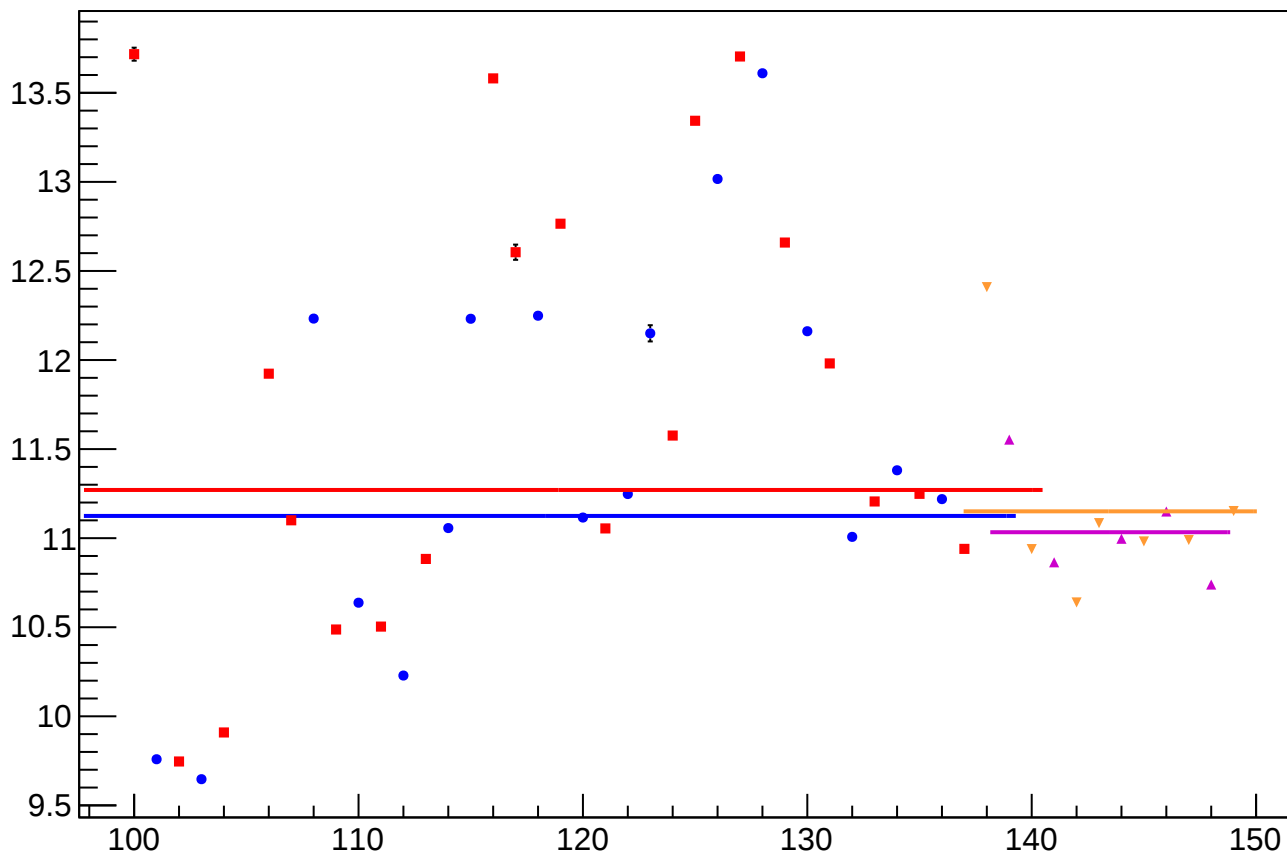
Right Out: -13.851 ± 4.255 χ^2/NDF : 25.4/19

Left In: 9.452 ± 5.514 χ^2/NDF : 2.8/4

-4.941 ± 3.294 χ^2/NDF : 19.5/23

-5.155 ± 3.368 χ^2/NDF : 39.4/24

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: 11.151 $\pm$ 0.004 χ^2 /NDF: 17881.6/6

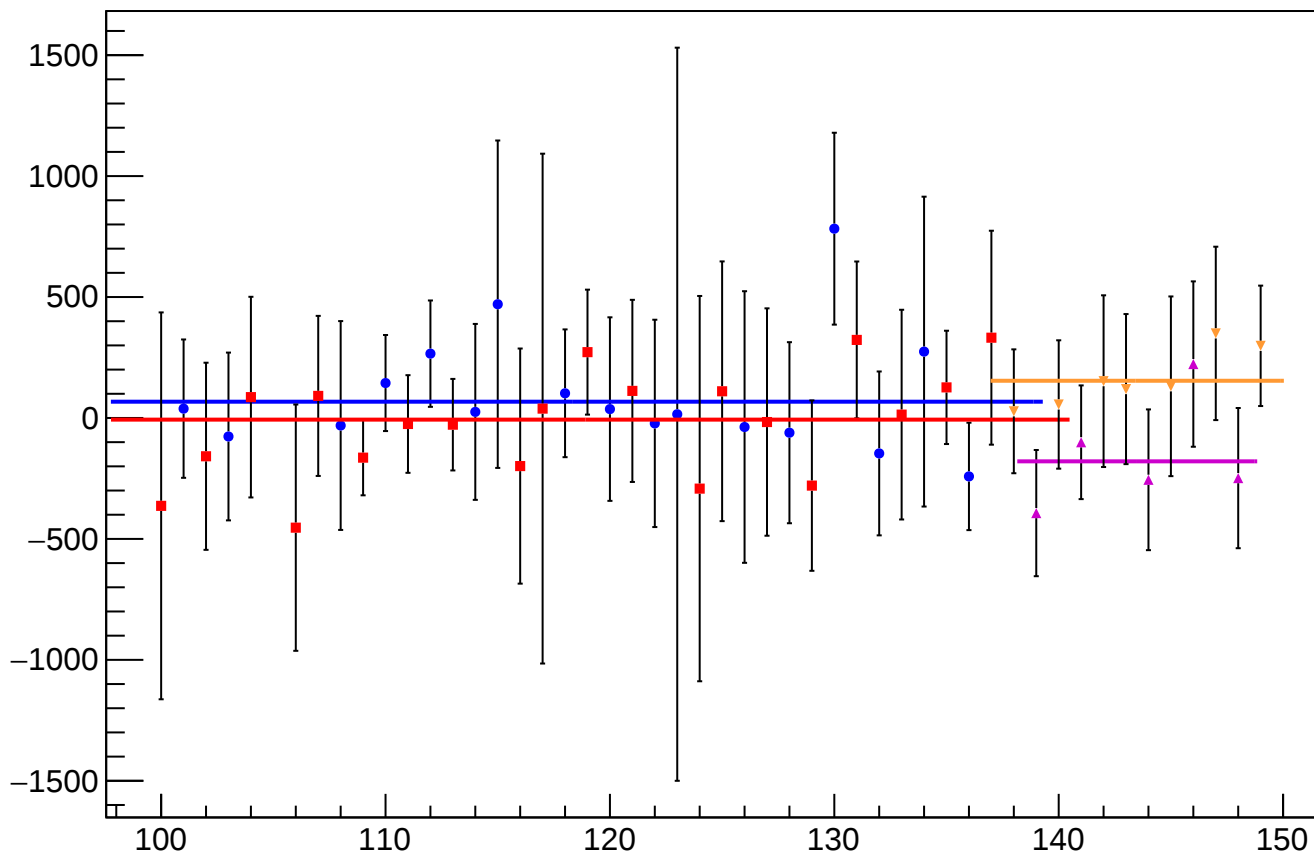
Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

Left In: 11.033 $\pm$ 0.004 χ^2 /NDF: 4671.2/4

11.136 $\pm$ 0.002 χ^2 /NDF: 150431.7/23

11.182 $\pm$ 0.002 χ^2 /NDF: 155702.0/24

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: 153.848+/-112.541 χ^2/NDF : 1.0/6

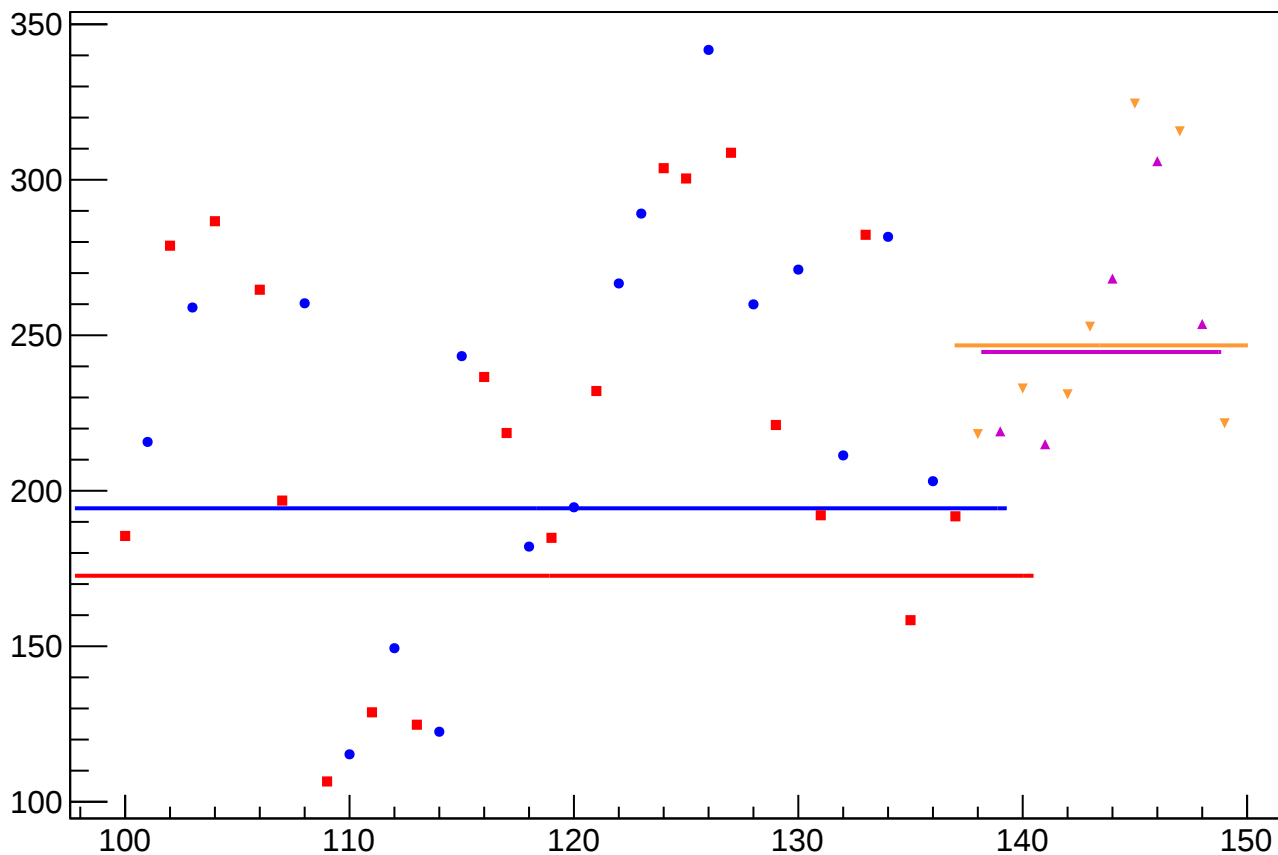
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -179.289+/-123.972 χ^2/NDF : 2.3/4

96.268+/-65.105 χ^2/NDF : 8.9/23

-48.578+/-60.992 χ^2/NDF : 10.2/24

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 246.753 $\pm$ 0.080 χ^2 /NDF:216593.6/6

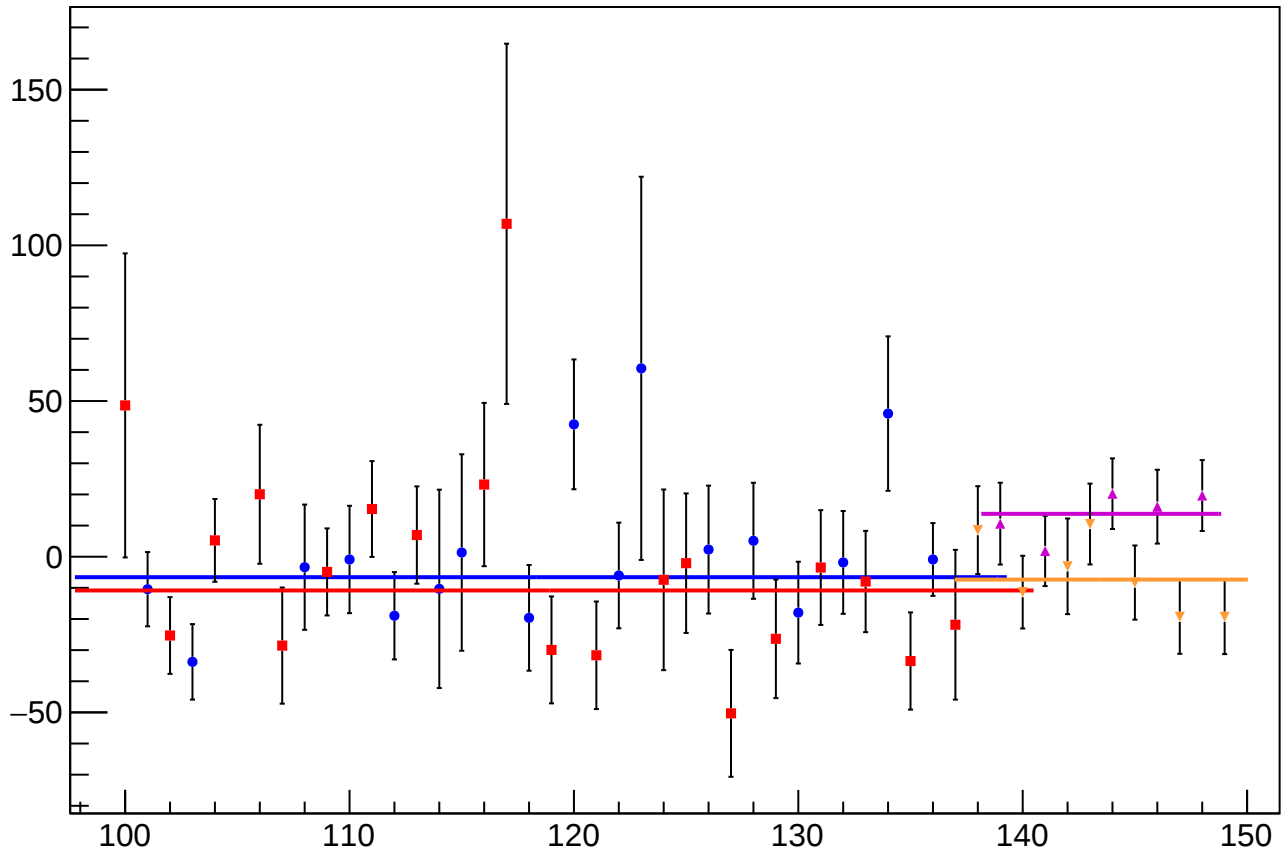
Right Out: 172.675 $\pm$ 0.050 χ^2 /NDF: 1573459.1/19

Left In: 244.623 $\pm$ 0.088 χ^2 /NDF:130490.8/4

211.898 $\pm$ 0.046 χ^2 /NDF: 1510175.2/23

190.090 $\pm$ 0.043 χ^2 /NDF: 2214530.7/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575+/-4.157 χ^2/NDF : 19.3/16

-6.906+/-3.139 χ^2/NDF : 24.7/23

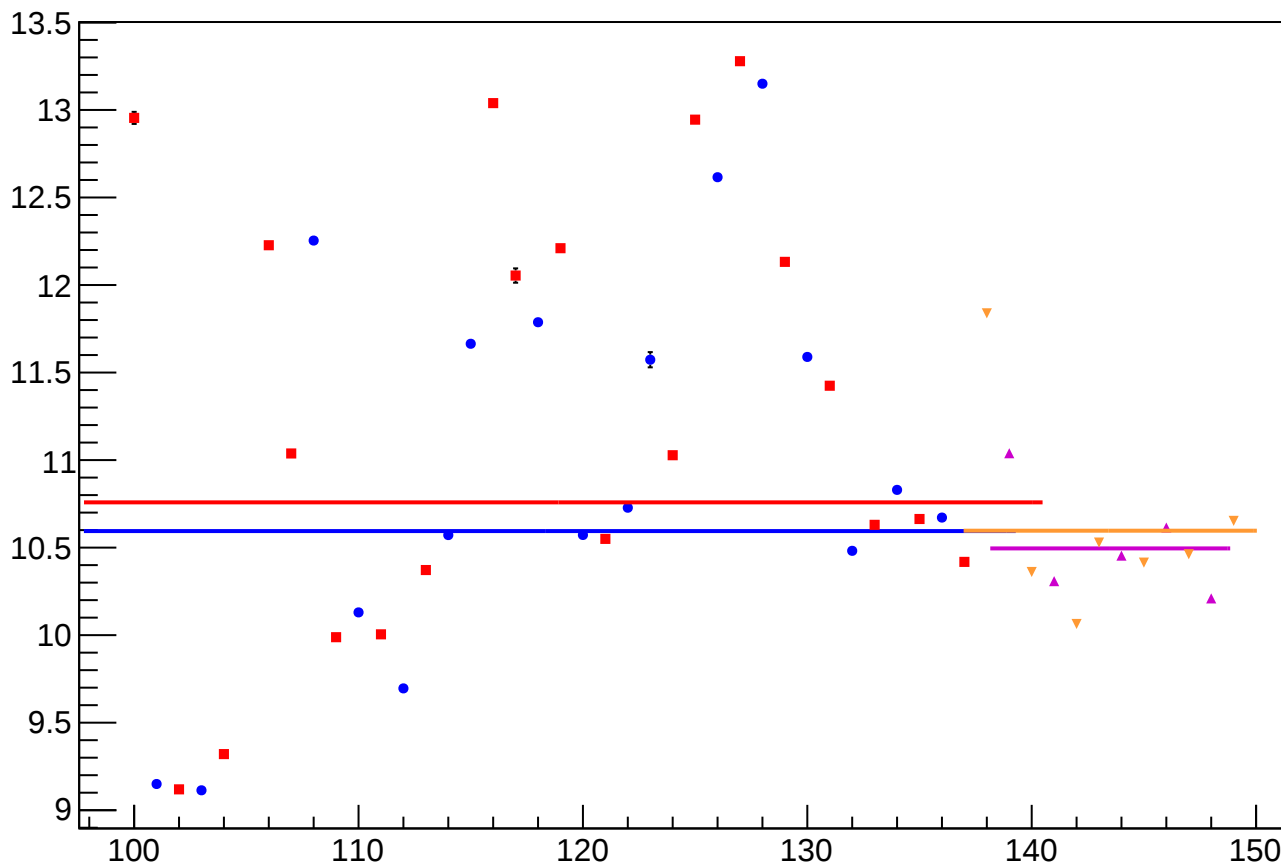
Left Out: -7.346+/-4.790 χ^2/NDF : 5.4/6

Right Out: -10.838+/-4.070 χ^2/NDF : 27.1/19

-1.603+/-3.217 χ^2/NDF : 42.6/24

Left In: 13.770+/-5.251 χ^2/NDF : 1.8/4

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: 10.597 $\pm$ 0.003 χ^2 /NDF:19526.2/6

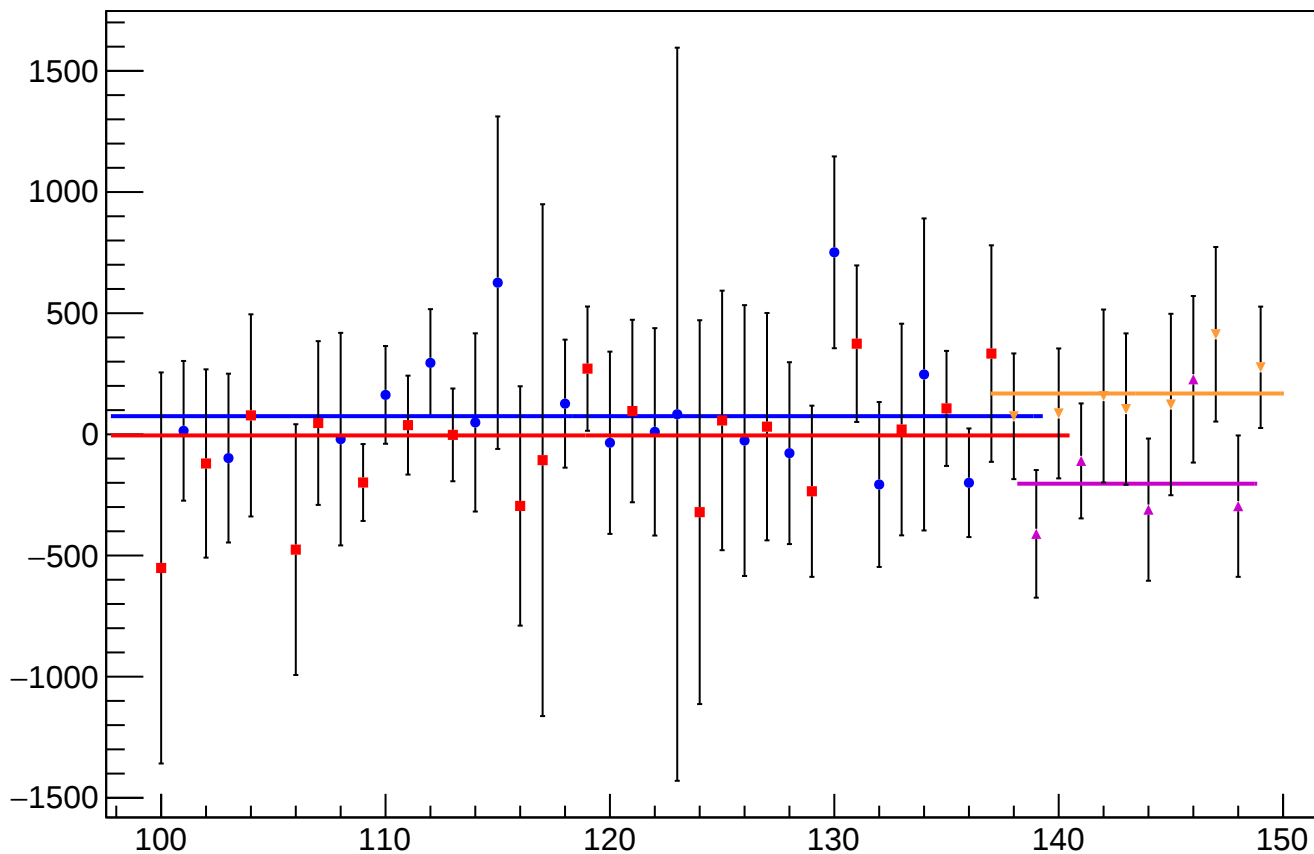
10.595 $\pm$ 0.002 χ^2 /NDF: 179585.5/23

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

10.660 $\pm$ 0.002 χ^2 /NDF: 186775.5/24

Left In: 10.495 $\pm$ 0.004 χ^2 /NDF:5458.8/4

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 168.601 $\pm$ 113.480 χ^2 /NDF:0.9/6

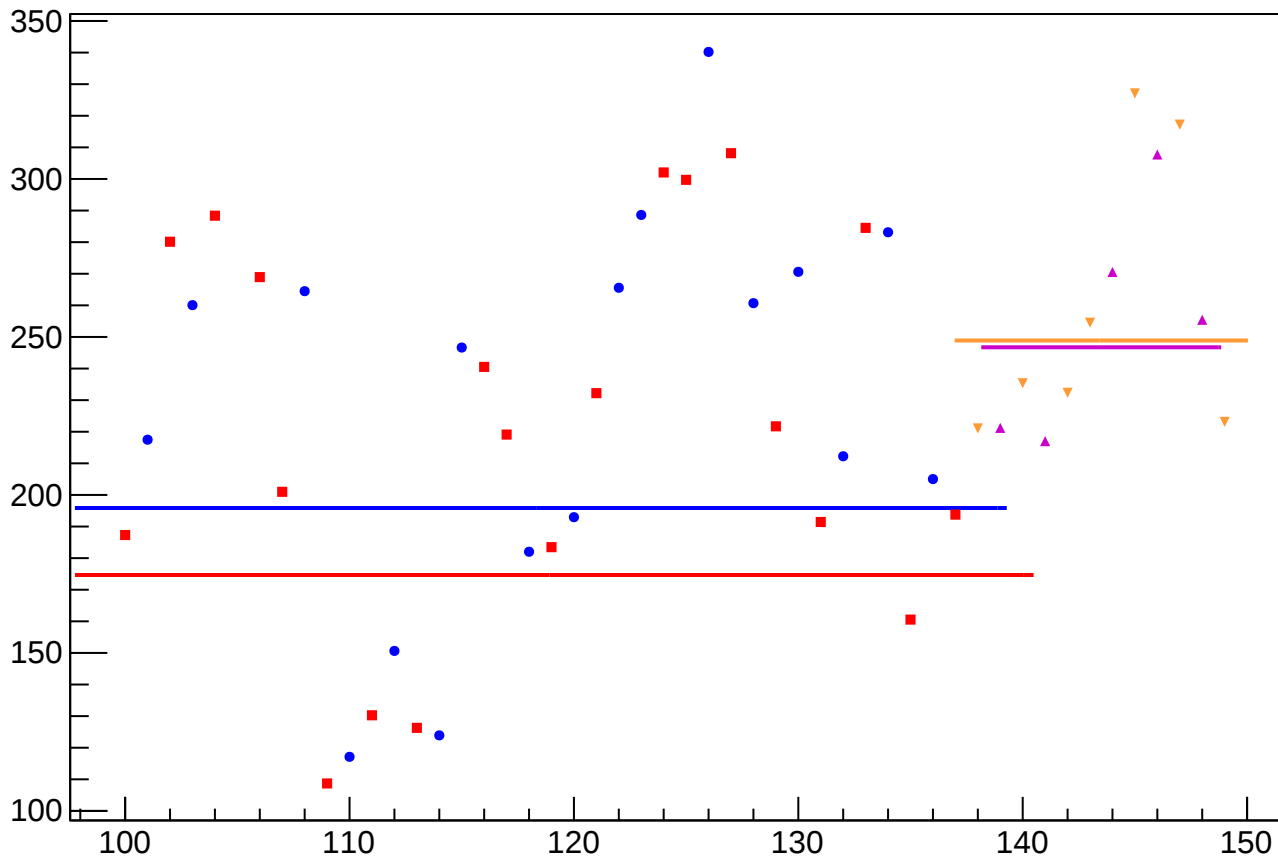
Right Out: -4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

Left In: -203.619 $\pm$ 124.996 χ^2 /NDF:2.6/4

106.314 $\pm$ 65.577 χ^2 /NDF: 9.1/23

-52.756 $\pm$ 61.554 χ^2 /NDF: 11.8/24

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: 248.879 $\pm$ 0.080 χ^2 /NDF: 213400.8/6

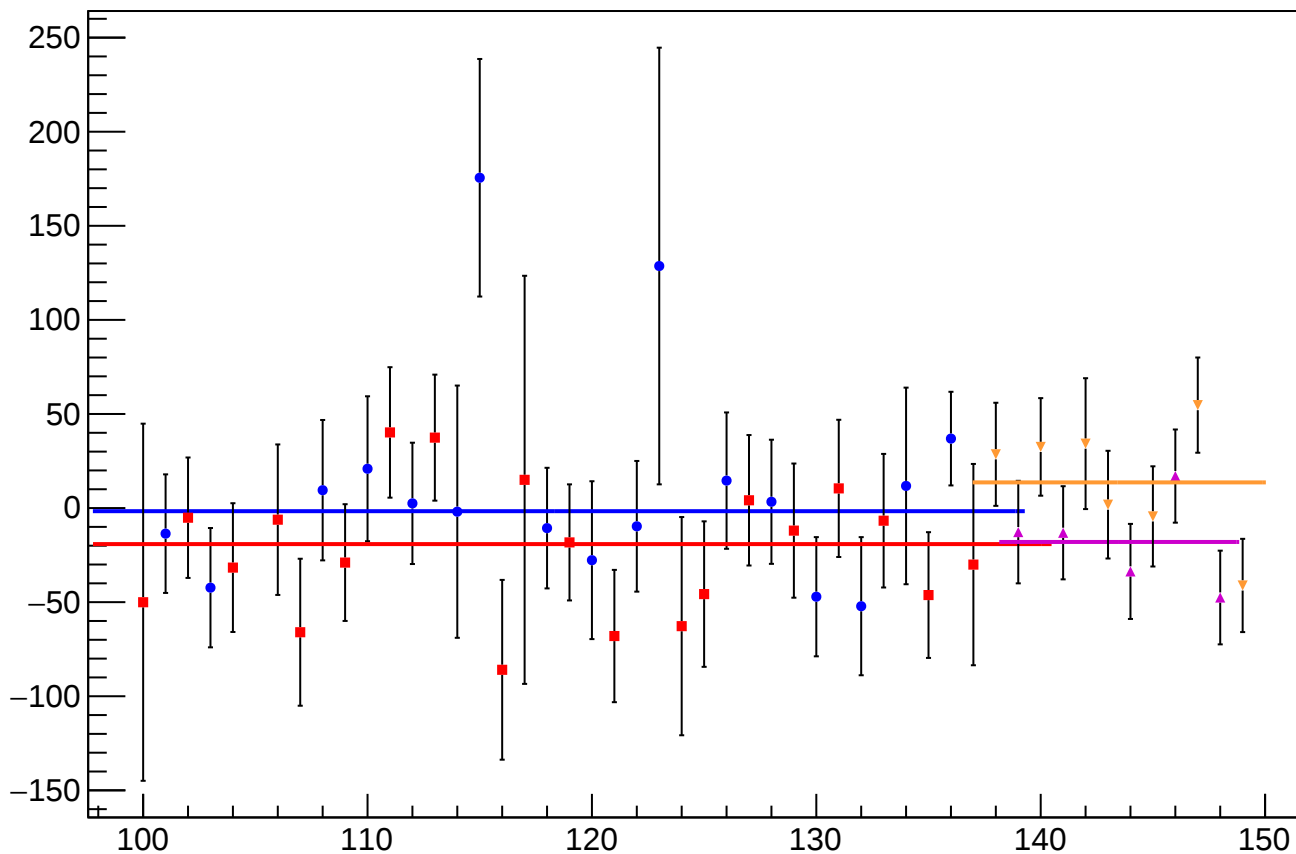
Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

Left In: 246.729 $\pm$ 0.088 χ^2 /NDF: 128103.6/4

213.571 $\pm$ 0.046 χ^2 /NDF: 1483335.2/23

192.141 $\pm$ 0.044 χ^2 /NDF: 2164003.6/24

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: 13.640 ± 10.276 χ^2/NDF : 9.3/6

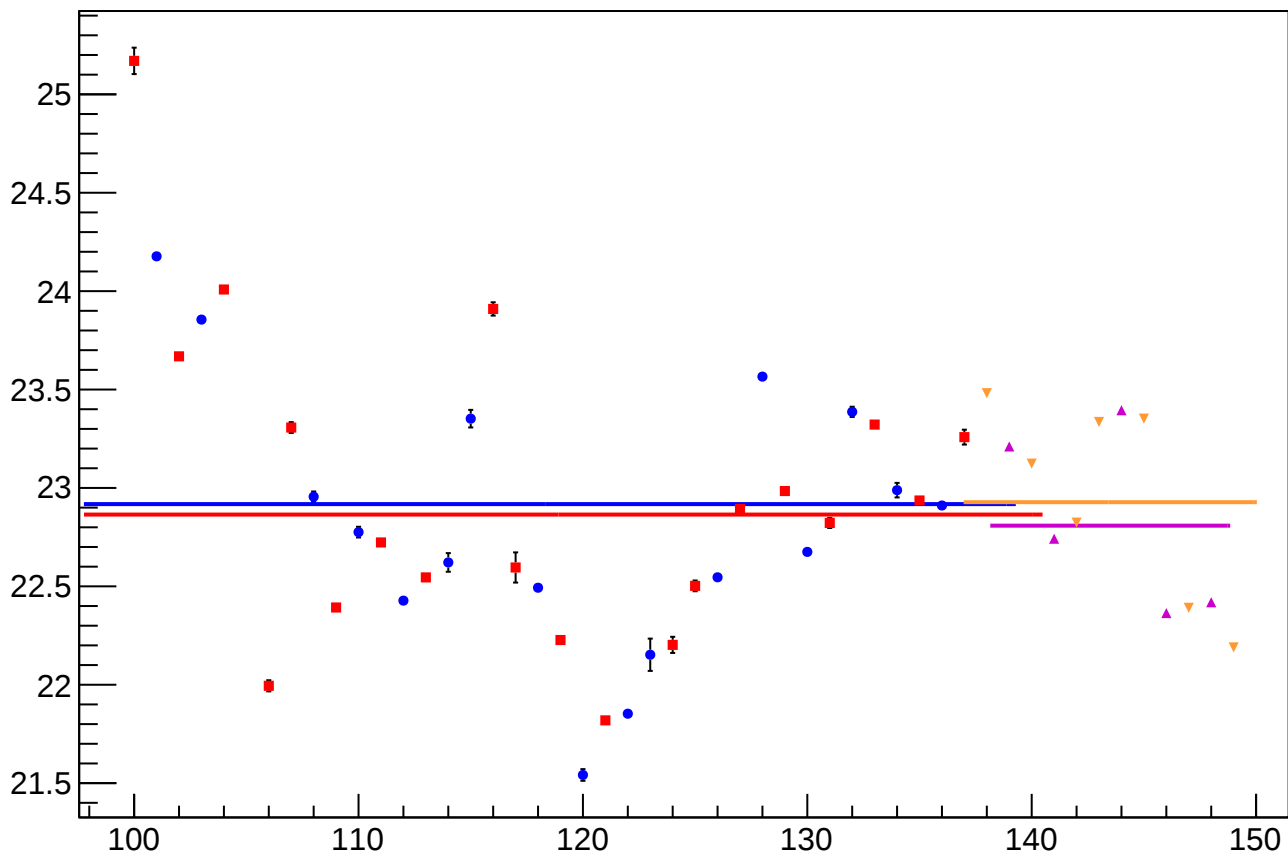
Right Out: -19.145 ± 8.529 χ^2/NDF : 14.9/19

Left In: -18.012 ± 11.329 χ^2/NDF : 3.9/4

4.885 ± 6.719 χ^2/NDF : 29.1/23

-18.735 ± 6.814 χ^2/NDF : 18.7/24

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 ± 0.006 $\chi^2/\text{NDF}: 11472.2/16$

Left Out: 22.928 ± 0.007 $\chi^2/\text{NDF}: 4538.1/6$

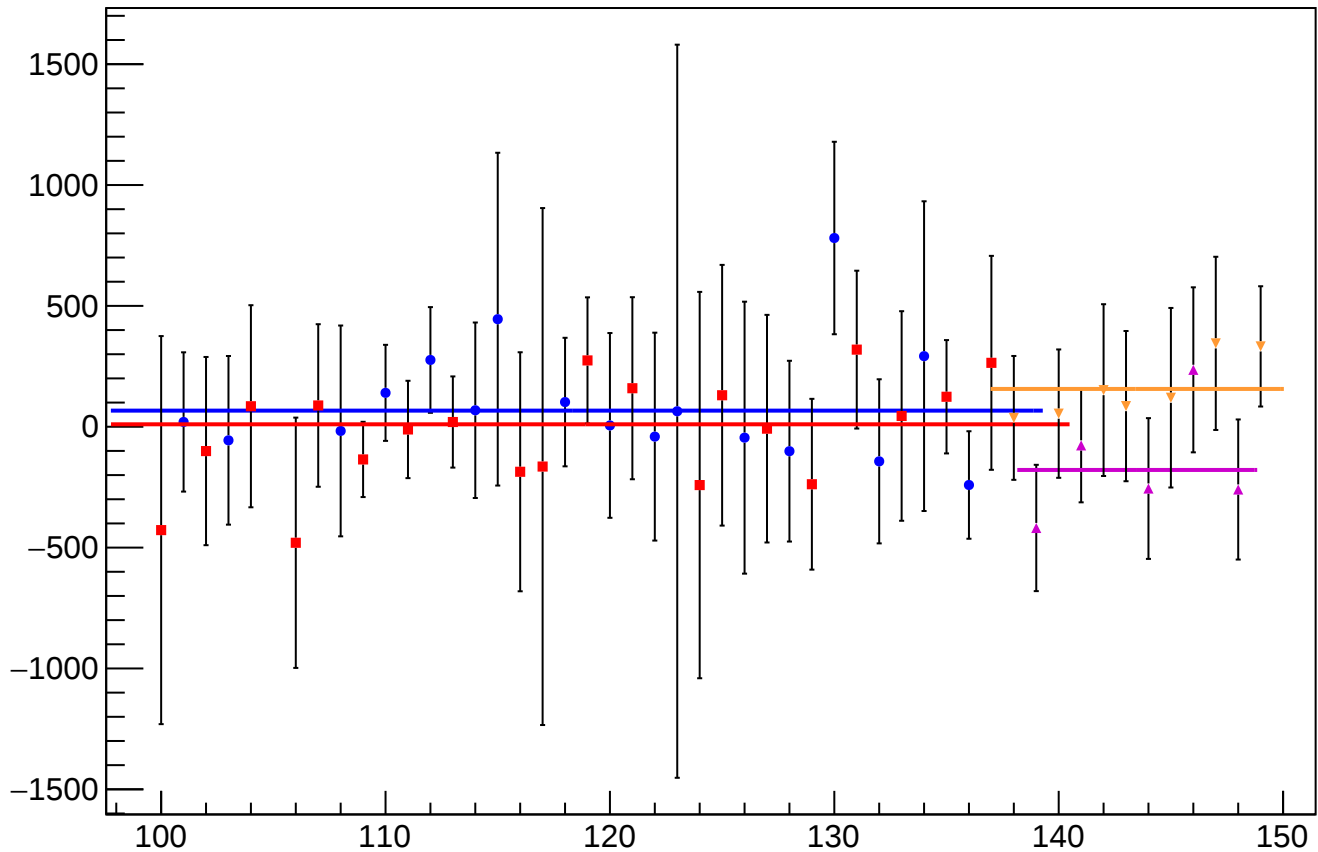
Right Out: 22.865 ± 0.006 $\chi^2/\text{NDF}: 11064.9/19$

Left In: 22.808 ± 0.008 $\chi^2/\text{NDF}: 2661.2/4$

22.922 ± 0.005 $\chi^2/\text{NDF}: 16011.4/23$

22.844 ± 0.005 $\chi^2/\text{NDF}: 13757.7/24$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 156.427 $\pm$ 112.590 χ^2 /NDF: 1.2/6

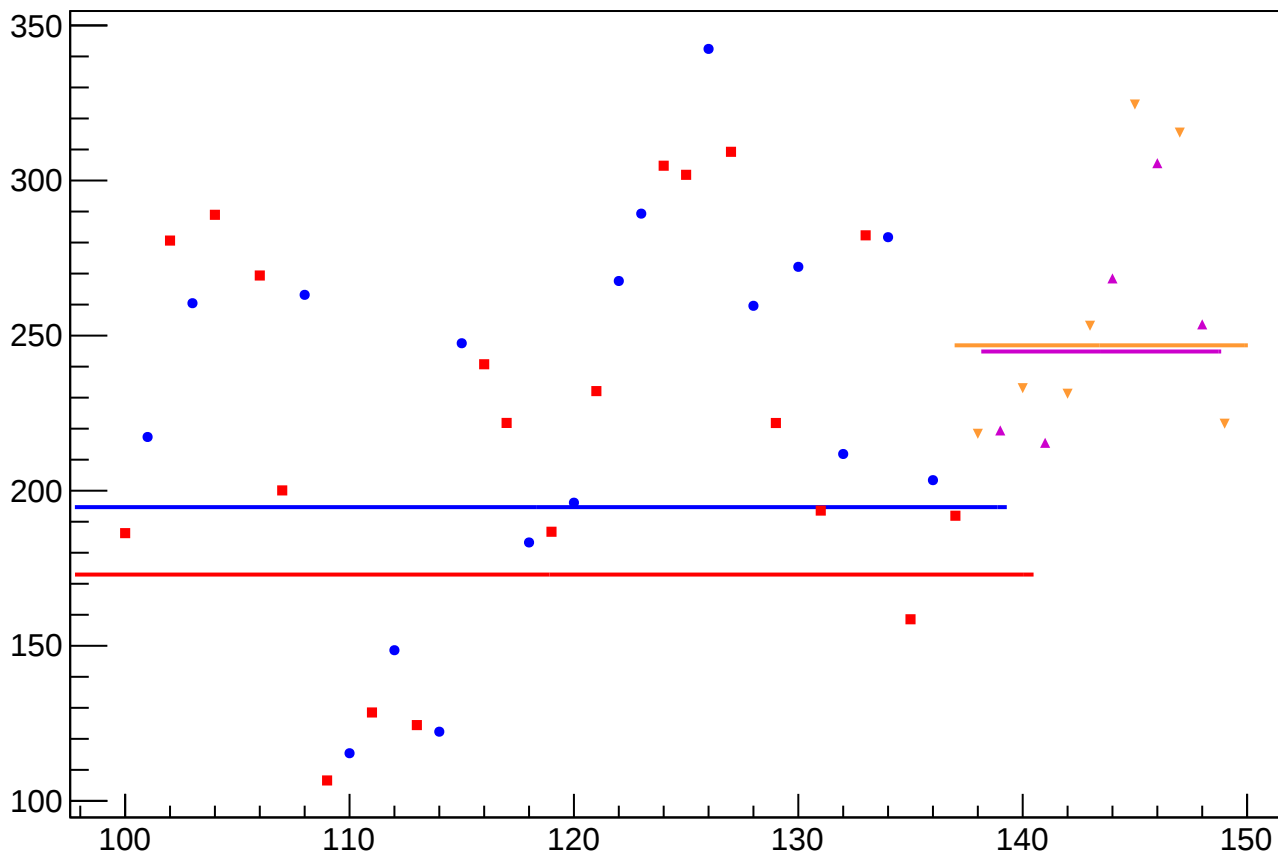
Right Out: 10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

Left In: -178.757 $\pm$ 124.077 χ^2 /NDF: 2.6/4

96.801 $\pm$ 65.211 χ^2 /NDF: 9.2/23

-35.719 $\pm$ 61.121 χ^2 /NDF: 10.1/24

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: 246.868 ± 0.080 χ^2/NDF : 216155.2/6

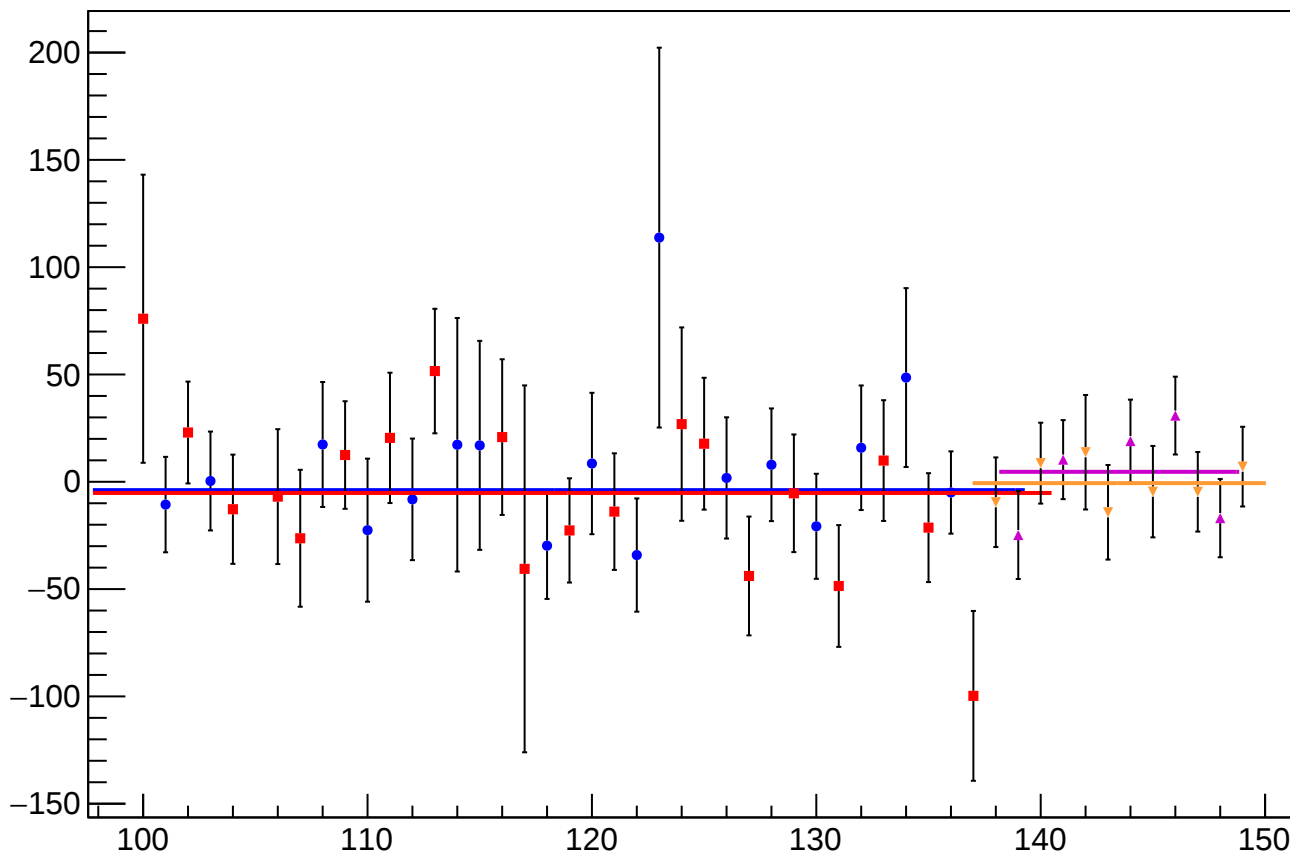
Right Out: 172.965 ± 0.050 χ^2/NDF : 1601142.0/19

Left In: 244.875 ± 0.088 χ^2/NDF : 128391.9/4

212.202 ± 0.046 χ^2/NDF : 1521330.7/23

190.415 ± 0.043 χ^2/NDF : 2238292.3/24

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 $\chi^2/\text{NDF}: 8.4/16$

Left Out: -0.632 ± 7.765 $\chi^2/\text{NDF}: 1.4/6$

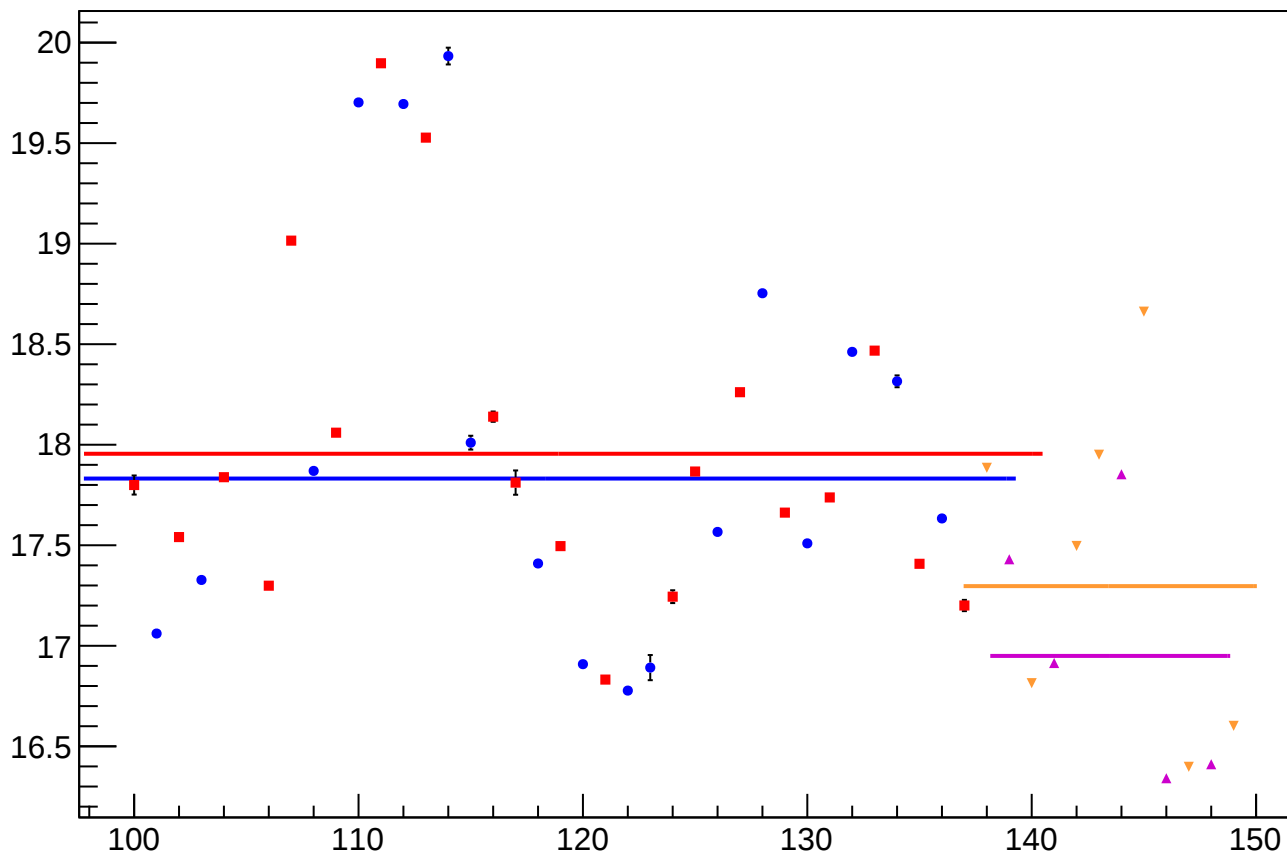
Right Out: -5.204 ± 6.706 $\chi^2/\text{NDF}: 21.5/19$

Left In: 4.640 ± 8.432 $\chi^2/\text{NDF}: 6.2/4$

-2.451 ± 5.164 $\chi^2/\text{NDF}: 9.8/23$

-1.390 ± 5.249 $\chi^2/\text{NDF}: 28.5/24$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 ± 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.297 ± 0.005 χ^2/NDF : 20488.9/6

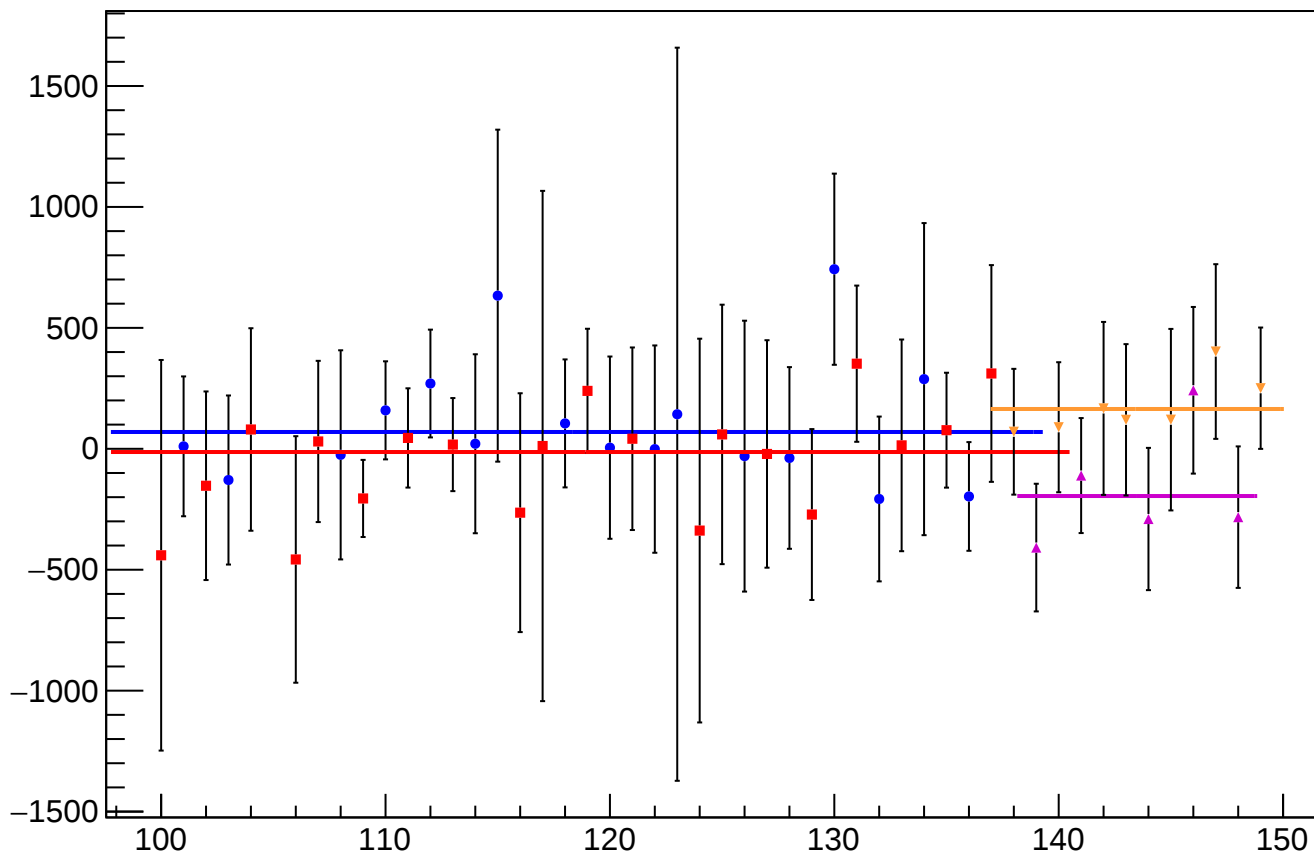
Right Out: 17.955 ± 0.005 χ^2/NDF : 25454.6/19

Left In: 16.950 ± 0.006 χ^2/NDF : 9490.3/4

17.595 ± 0.004 χ^2/NDF : 56647.6/23

17.566 ± 0.004 χ^2/NDF : 52364.0/24

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: 164.612+/-113.719 χ^2/NDF : 0.8/6

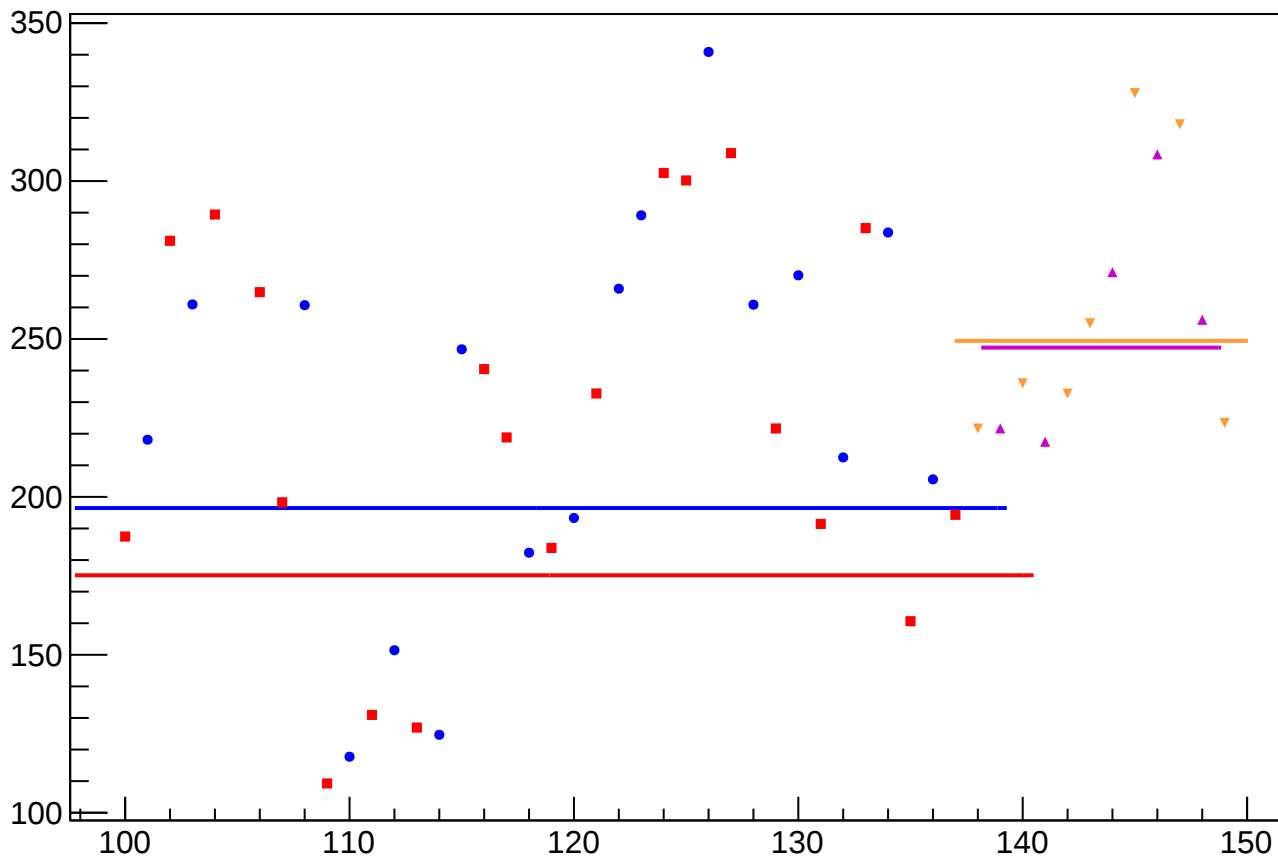
Right Out: -13.298+/-70.881 χ^2/NDF : 6.7/19

Left In: -195.249+/-125.272 χ^2/NDF : 2.6/4

101.284+/-65.731 χ^2/NDF : 8.6/23

-57.422+/-61.690 χ^2/NDF : 10.9/24

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: 249.400 $\pm$ 0.080 χ^2 /NDF: 213700.0/6

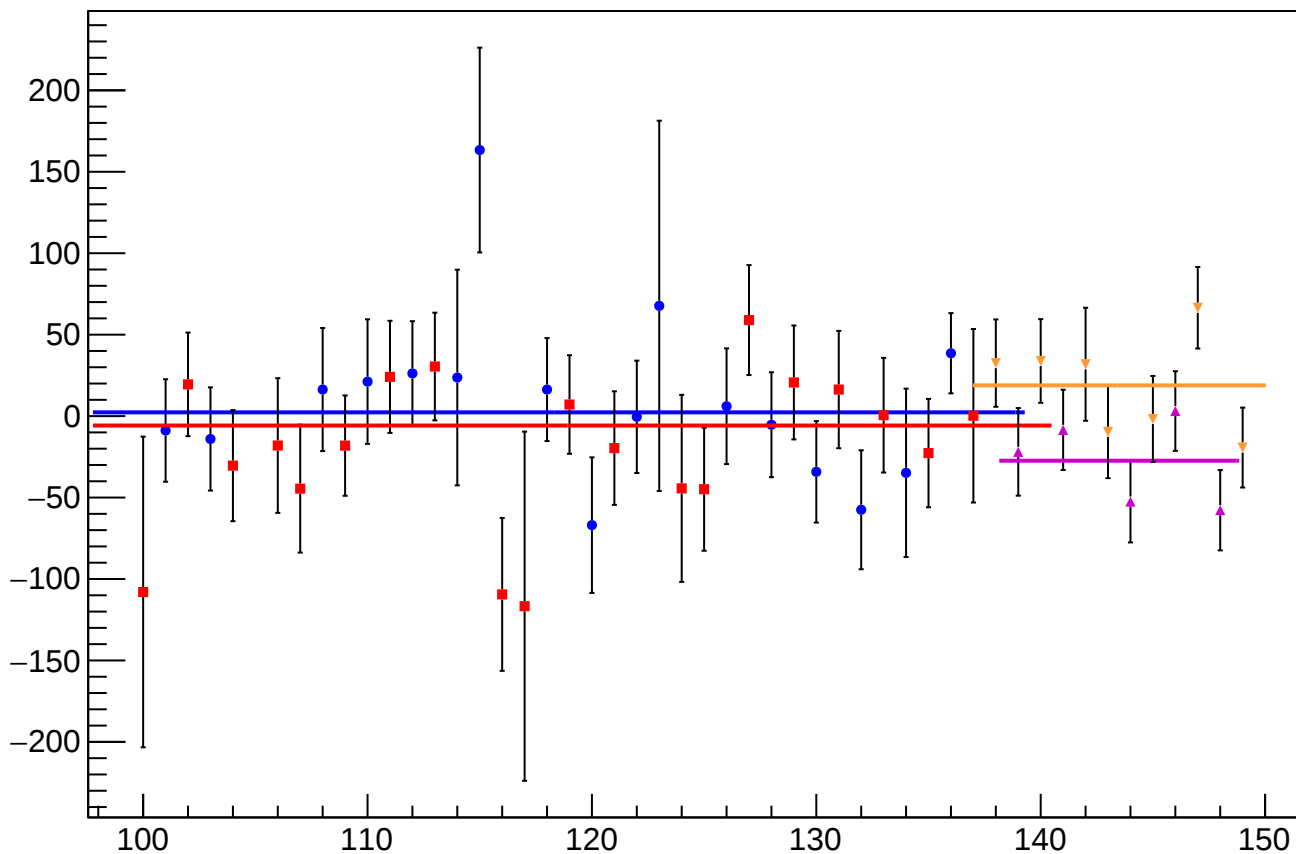
Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

Left In: 247.273 $\pm$ 0.089 χ^2 /NDF: 128336.9/4

214.154 $\pm$ 0.046 χ^2 /NDF: 1466499.9/23

192.662 $\pm$ 0.044 χ^2 /NDF: 2144641.1/24

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 χ^2/NDF : 18.1/16

Left Out: 18.869 ± 10.168 χ^2/NDF : 8.4/6

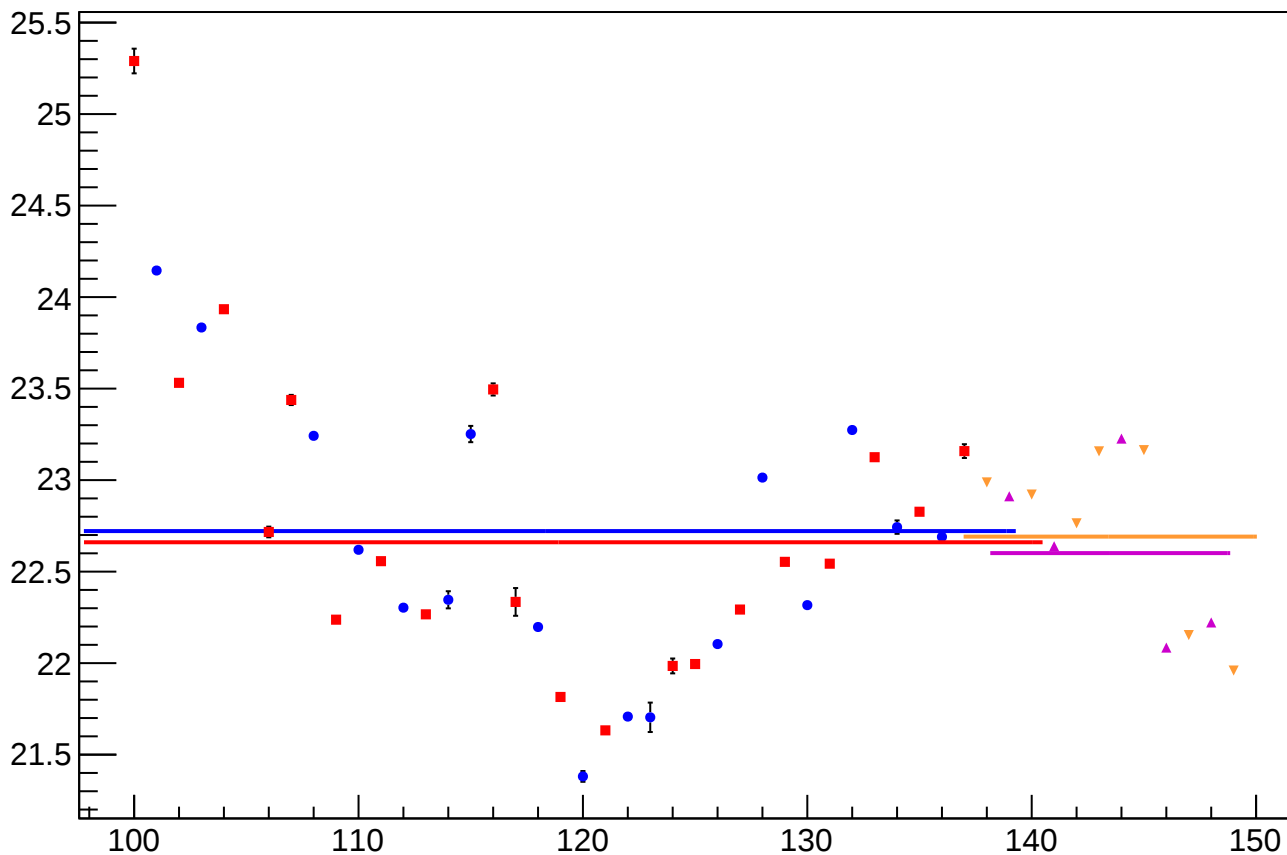
Right Out: -5.783 ± 8.453 χ^2/NDF : 18.2/19

Left In: -27.383 ± 11.226 χ^2/NDF : 4.7/4

9.404 ± 6.656 χ^2/NDF : 28.0/23

-13.599 ± 6.753 χ^2/NDF : 25.3/24

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722+/-0.006 χ^2/NDF : 13580.6/16

Left Out: 22.691+/-0.007 χ^2/NDF : 4297.1/6

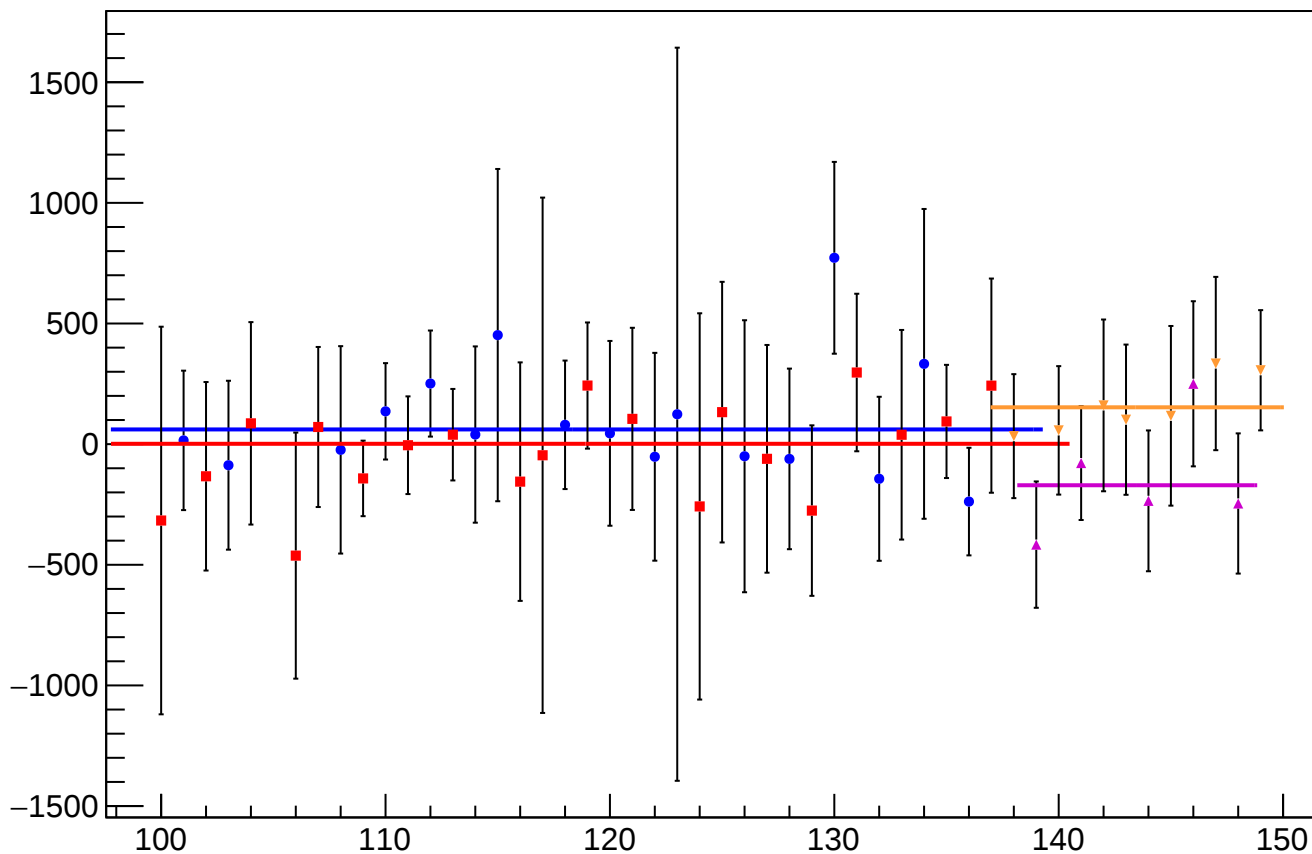
Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

Left In: 22.601+/-0.008 χ^2/NDF : 2879.3/4

22.709+/-0.005 χ^2/NDF : 17887.8/23

22.639+/-0.005 χ^2/NDF : 15889.0/24

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: 152.668 $\pm$ 112.829 χ^2 /NDF:1.0/6

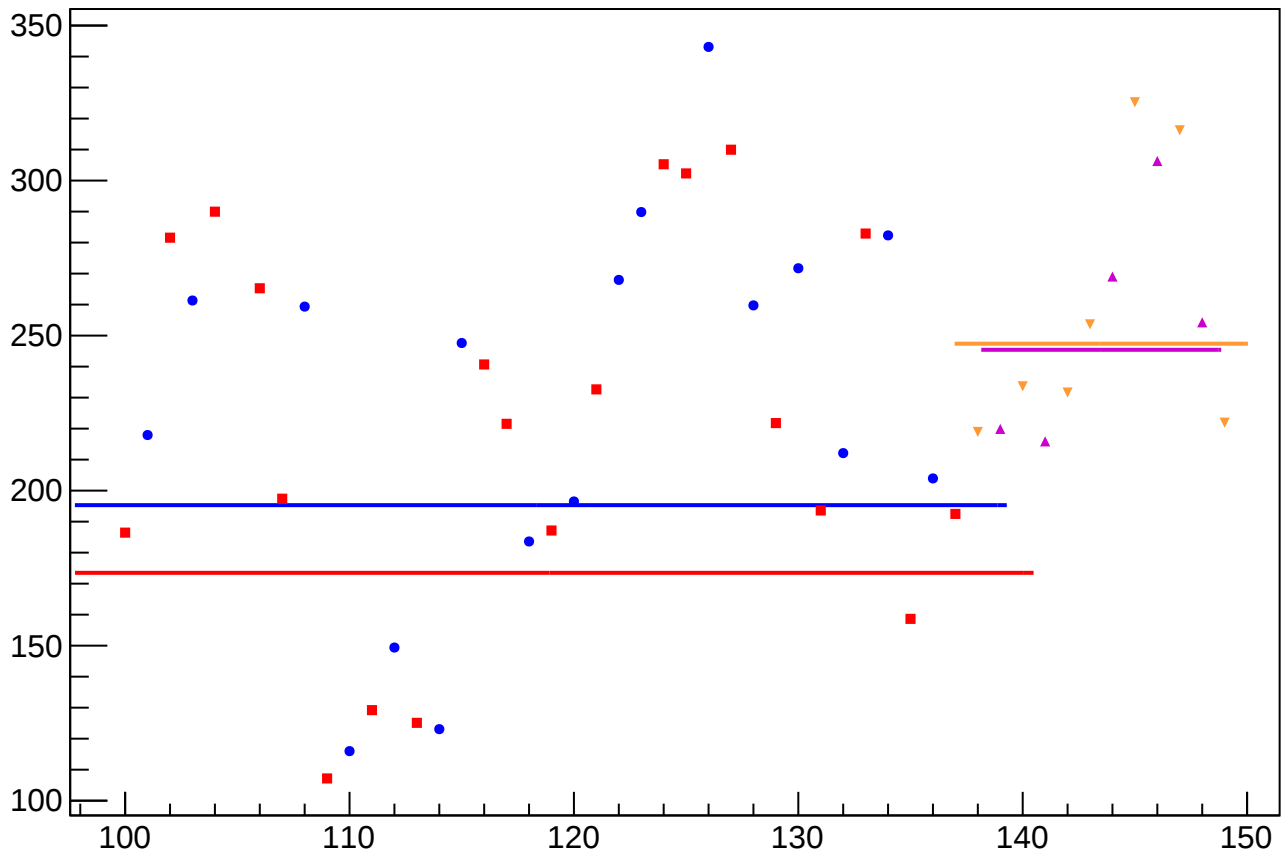
Right Out: 1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

Left In: -170.380 $\pm$ 124.354 χ^2 /NDF:2.7/4

91.741 $\pm$ 65.367 χ^2 /NDF: 8.7/23

-40.259 $\pm$ 61.261 χ^2 /NDF: 9.3/24

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 247.390+/-0.080 χ^2/NDF :216435.7/6

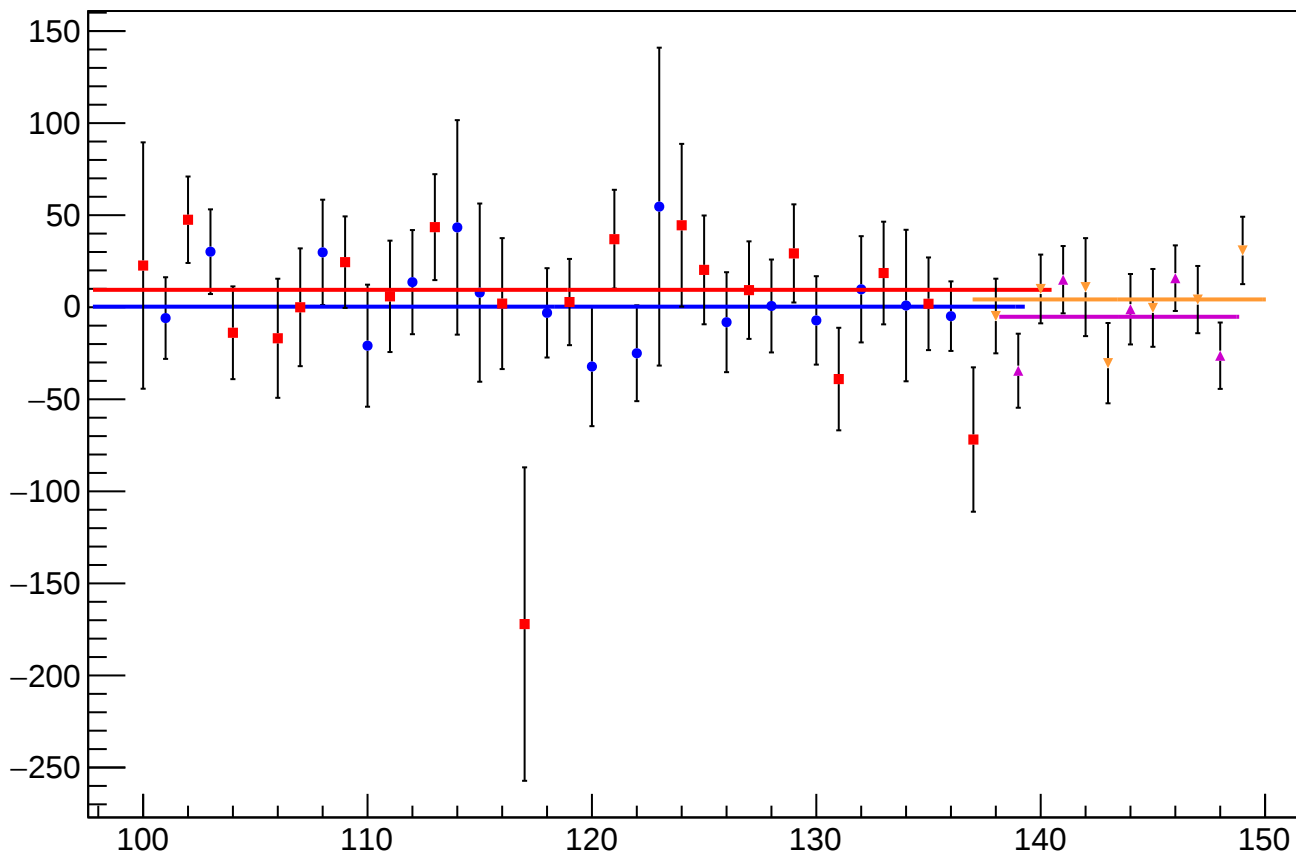
Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

Left In: 245.421+/-0.088 χ^2/NDF :128617.8/4

212.794+/-0.046 χ^2/NDF : 1503675.7/23

190.950+/-0.043 χ^2/NDF : 2217781.0/24

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 4.234 ± 7.661 $\chi^2/\text{NDF}: 5.0/6$

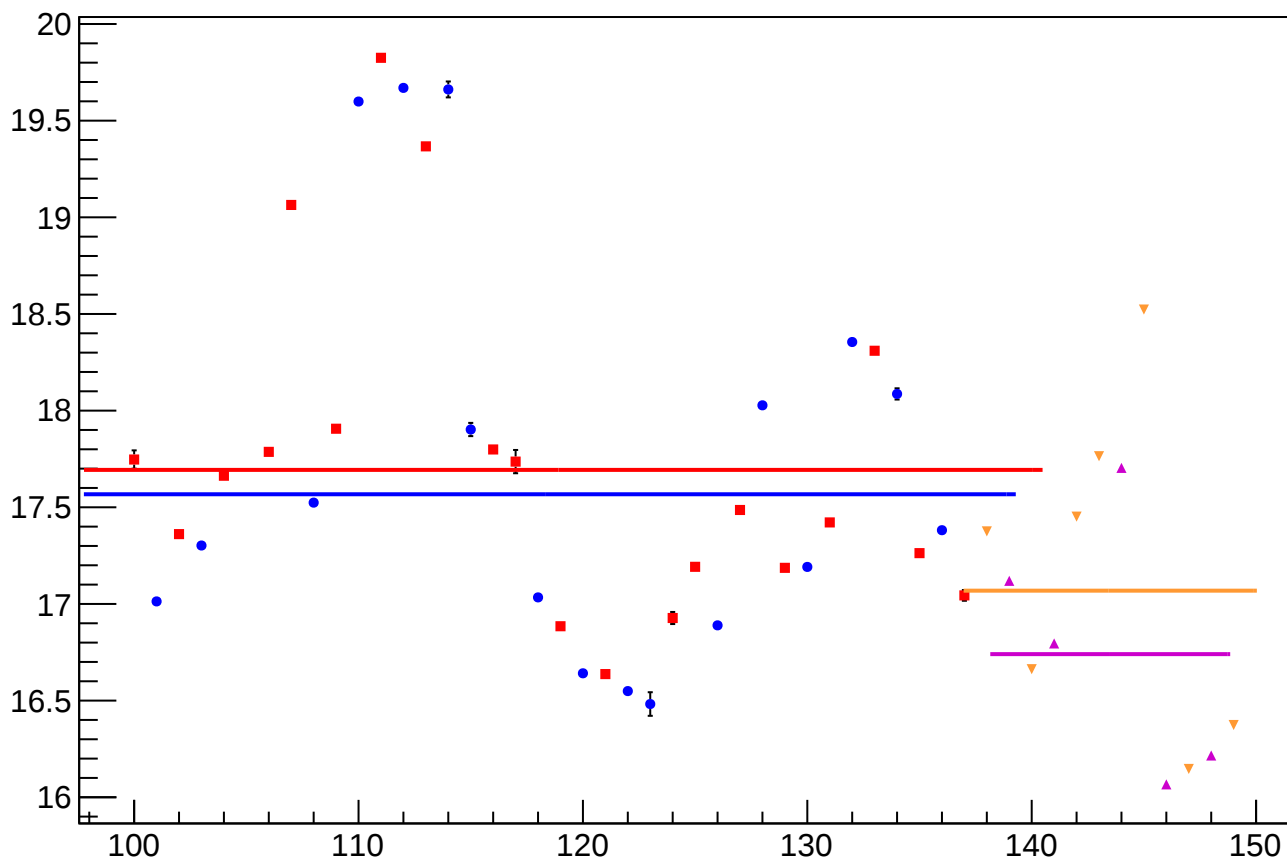
Right Out: 9.452 ± 6.608 $\chi^2/\text{NDF}: 20.6/19$

Left In: -5.185 ± 8.326 $\chi^2/\text{NDF}: 6.1/4$

2.040 ± 5.091 $\chi^2/\text{NDF}: 12.0/23$

3.796 ± 5.176 $\chi^2/\text{NDF}: 28.7/24$

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: 17.069 ± 0.005 χ^2/NDF : 21307.6/6

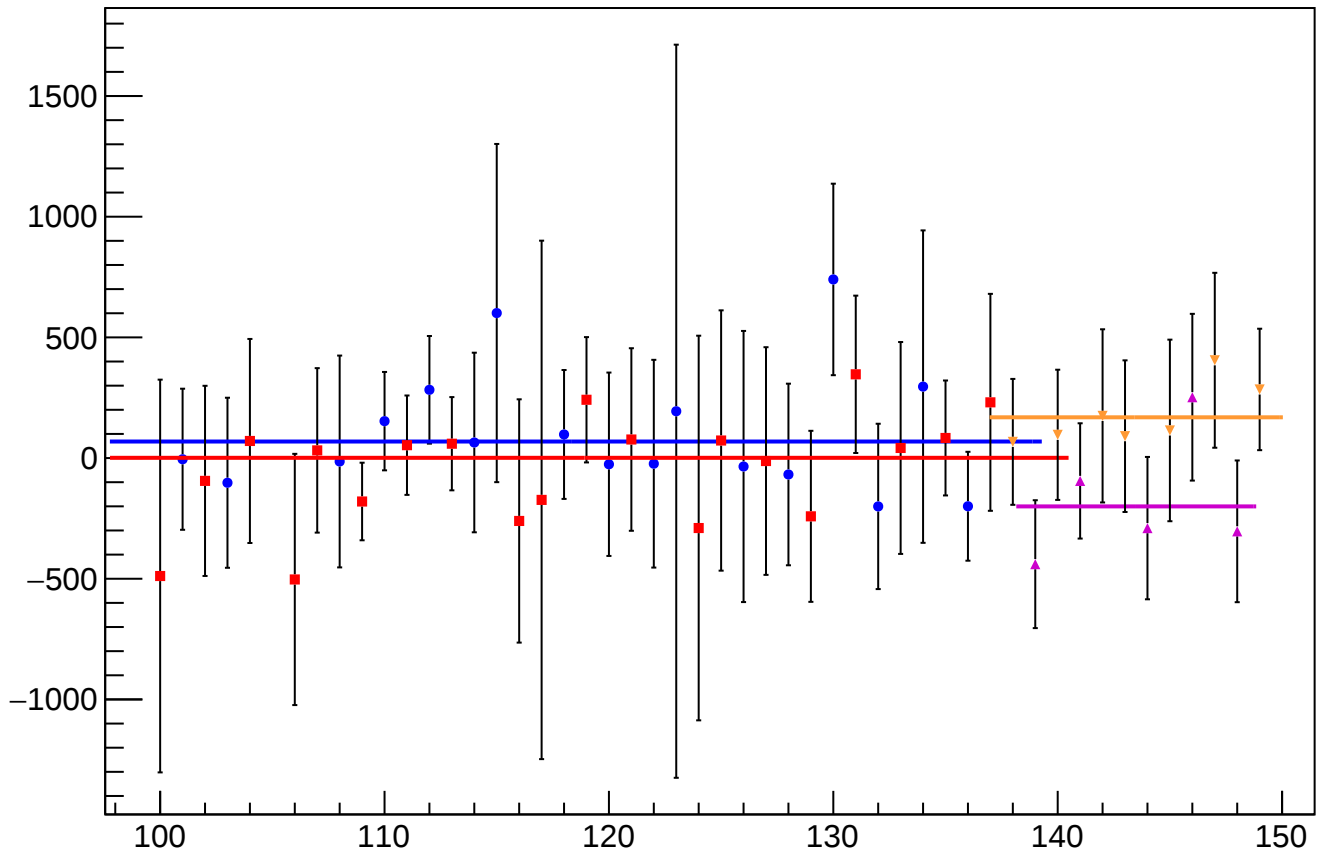
Right Out: 17.693 ± 0.005 χ^2/NDF : 30767.6/19

Left In: 16.740 ± 0.006 χ^2/NDF : 10353.6/4

17.347 ± 0.004 χ^2/NDF : 59184.7/23

17.325 ± 0.004 χ^2/NDF : 57198.3/24

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553 ± 81.018 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 168.876 ± 114.081 $\chi^2/\text{NDF}: 0.9/6$

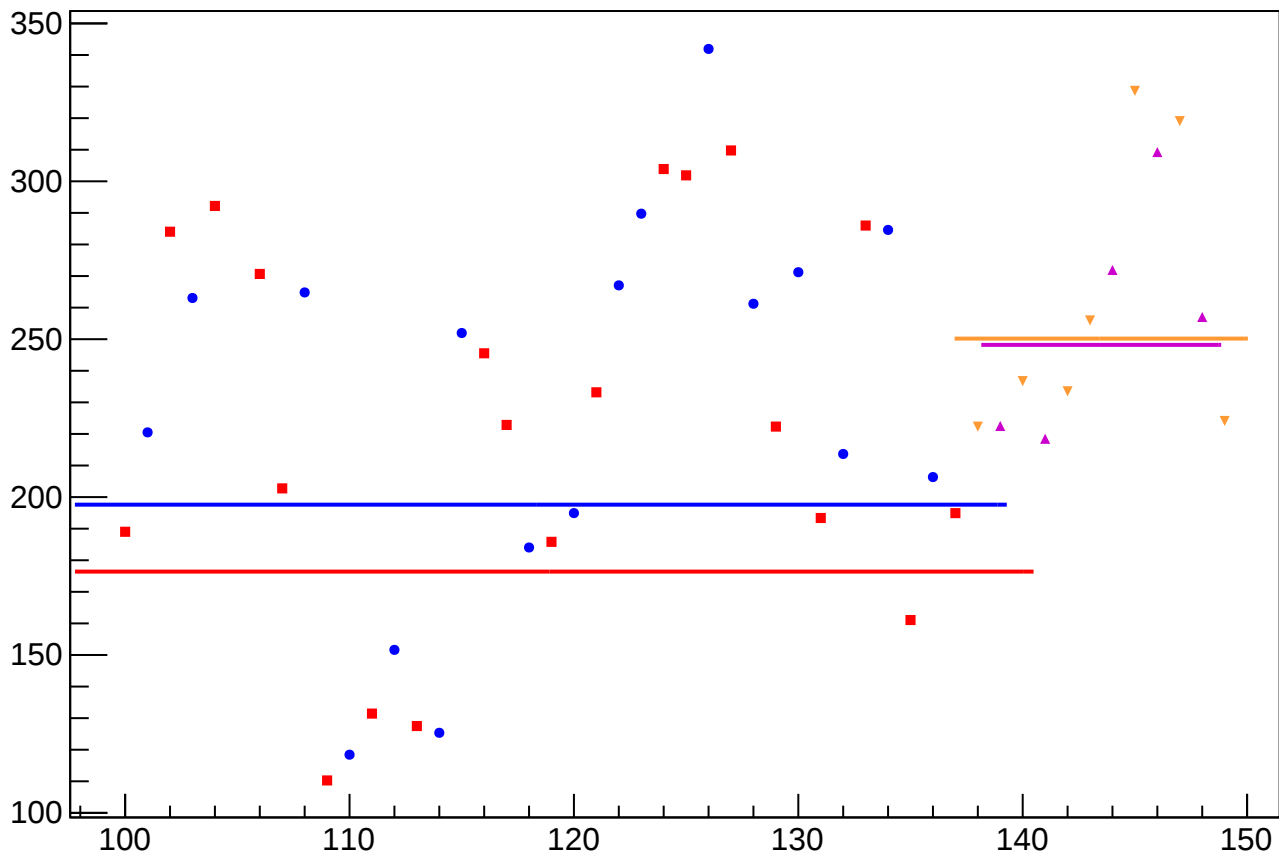
Right Out: 1.057 ± 71.380 $\chi^2/\text{NDF}: 6.1/19$

Left In: -200.270 ± 125.728 $\chi^2/\text{NDF}: 2.9/4$

102.188 ± 66.055 $\chi^2/\text{NDF}: 8.8/23$

-48.017 ± 62.074 $\chi^2/\text{NDF}: 11.0/24$

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: 250.195 $\pm$ 0.081 χ^2 /NDF:213610.8/6

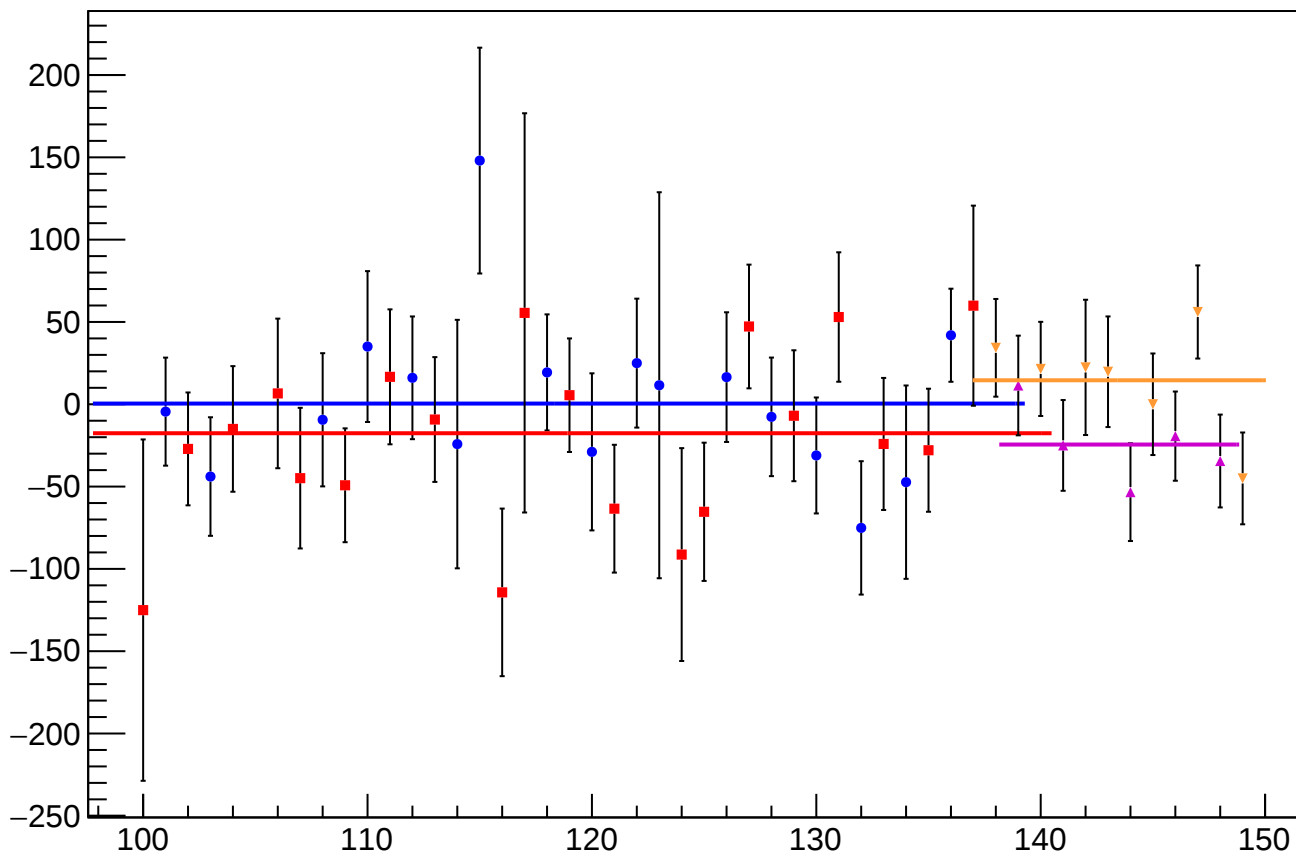
Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

Left In: 248.204 $\pm$ 0.089 χ^2 /NDF:127044.5/4

215.236 $\pm$ 0.047 χ^2 /NDF: 1464979.3/23

193.908 $\pm$ 0.044 χ^2 /NDF: 2143846.3/24

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 14.568 ± 11.607 $\chi^2/\text{NDF}: 7.5/6$

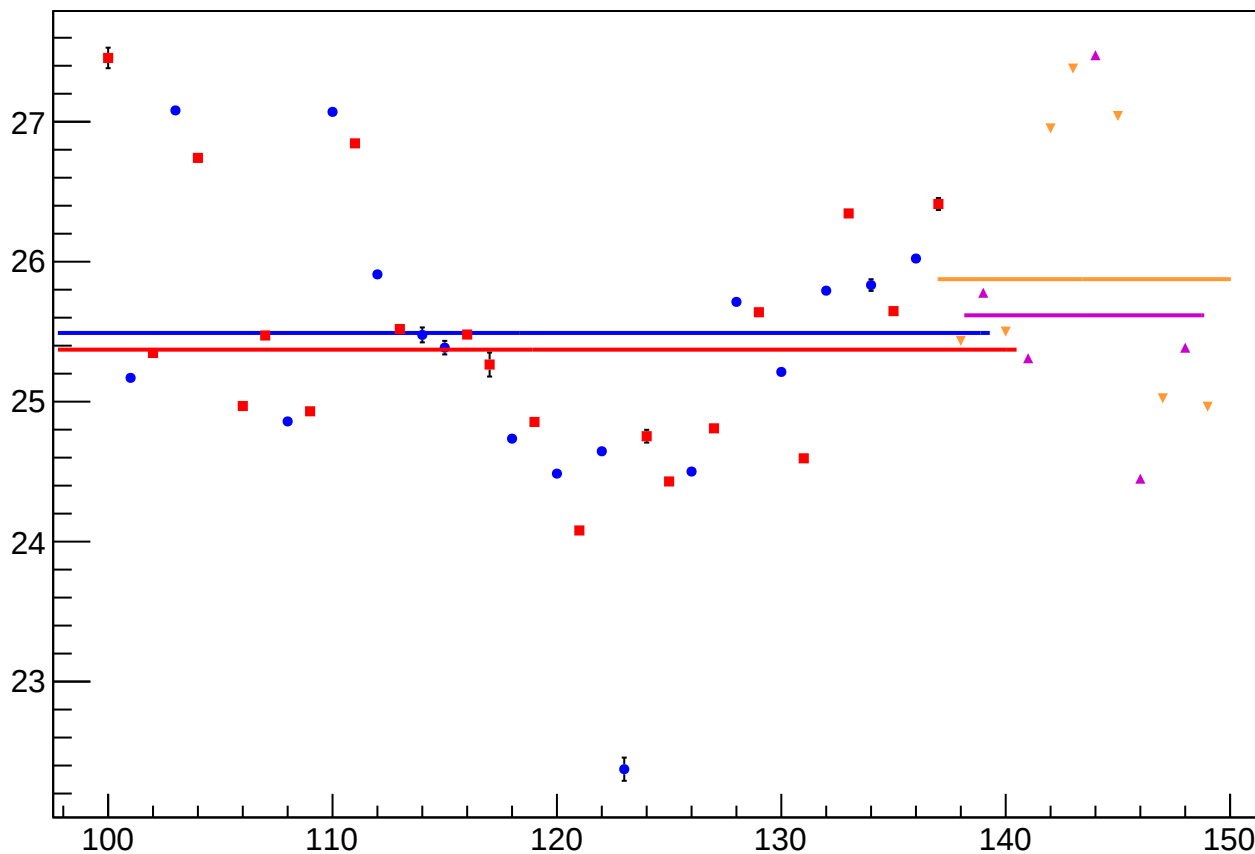
Right Out: -17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

Left In: -24.466 ± 12.741 $\chi^2/\text{NDF}: 2.5/4$

6.371 ± 7.525 $\chi^2/\text{NDF}: 23.8/23$

-20.040 ± 7.600 $\chi^2/\text{NDF}: 22.5/24$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491+/-0.007 χ^2/NDF : 13713.0/16

Left Out: 25.875+/-0.008 χ^2/NDF :12971.8/6

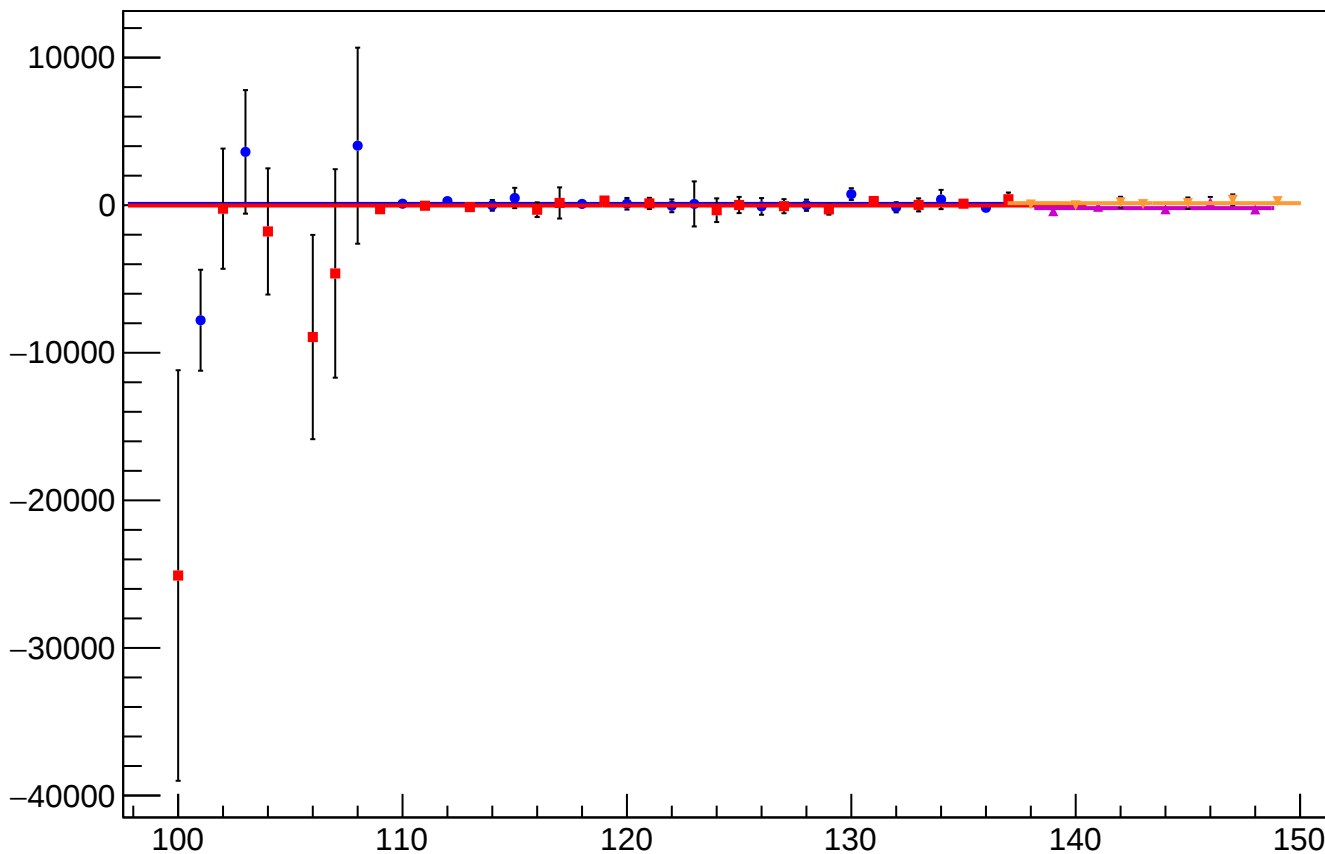
Right Out: 25.372+/-0.007 χ^2/NDF : 13552.0/19

Left In: 25.617+/-0.009 χ^2/NDF :11984.4/4

25.652+/-0.005 χ^2/NDF : 27955.7/23

25.459+/-0.005 χ^2/NDF : 26014.1/24

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 135.992+/-115.550 χ^2/NDF : 1.2/6

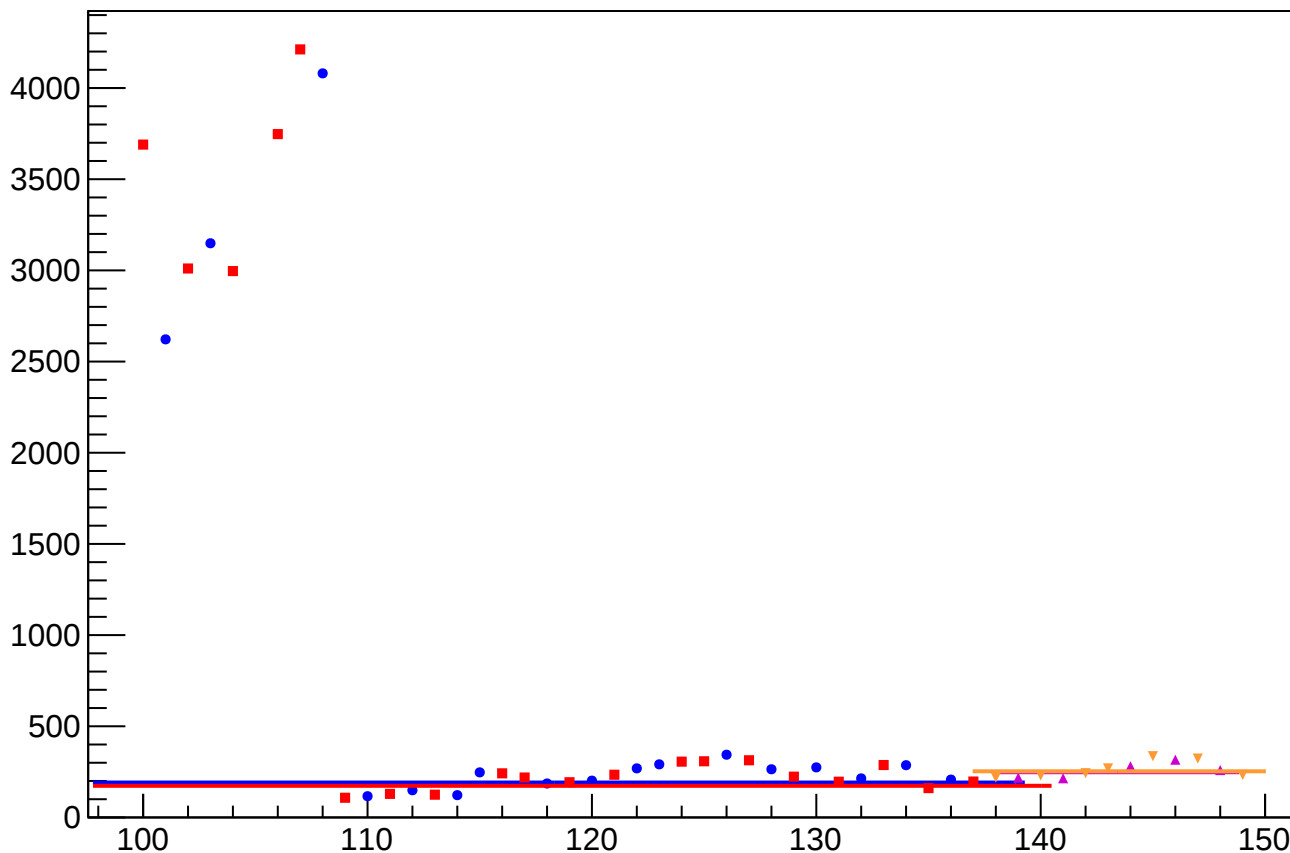
Right Out: -22.332+/-80.711 χ^2/NDF : 11.9/19

Left In: -197.611+/-125.985 χ^2/NDF : 2.2/4

104.815+/-70.222 χ^2/NDF : 13.8/23

-73.337+/-67.961 χ^2/NDF : 15.5/24

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: 253.105+/-0.082 χ^2/NDF : 235164.0/6

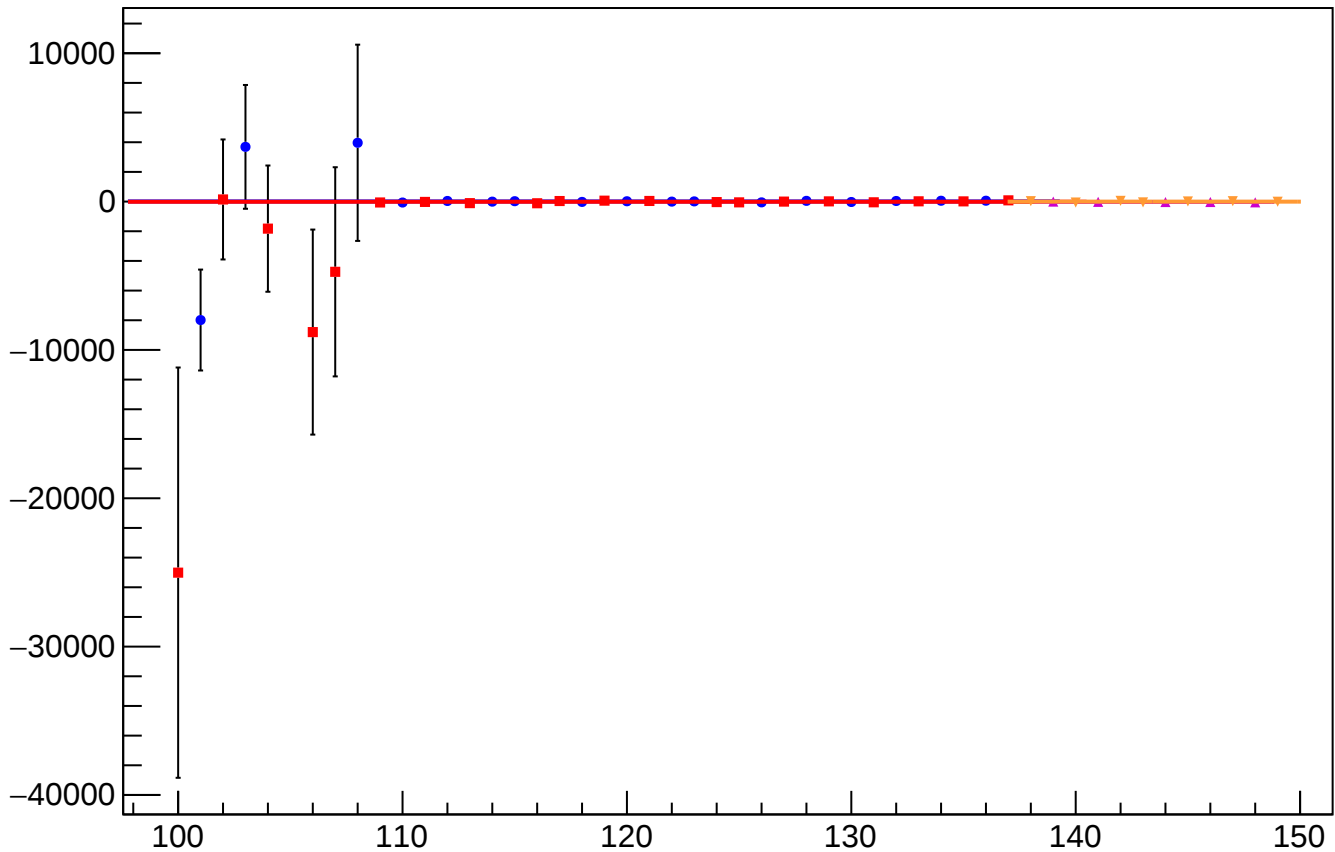
Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

Left In: 248.024+/-0.089 χ^2/NDF : 168066.9/4

214.238+/-0.050 χ^2/NDF : 4167109.5/23

195.232+/-0.048 χ^2/NDF : 4874536.1/24

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: -4.674+/-13.601 χ^2/NDF : 7.9/6

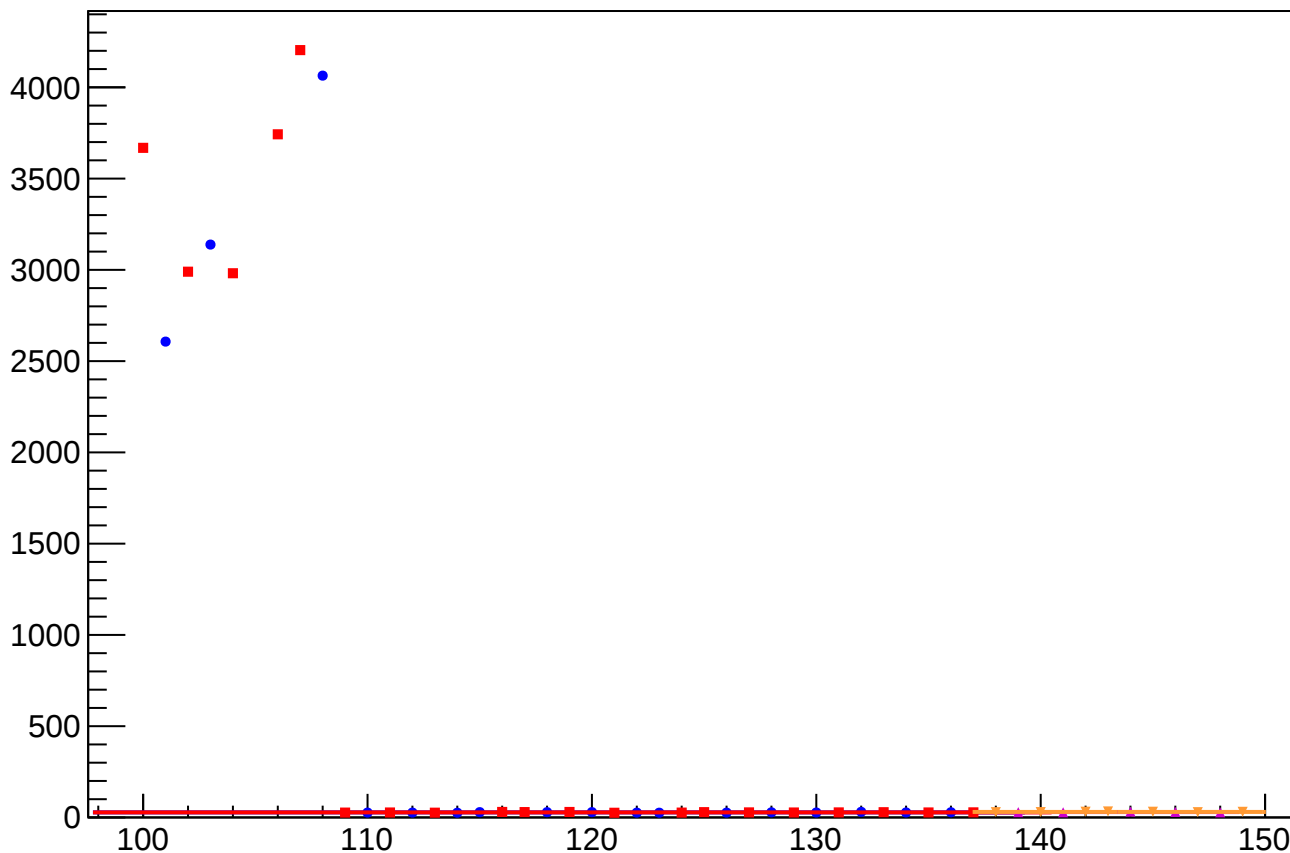
Right Out: -12.296+/-12.186 χ^2/NDF : 24.9/19

Left In: -26.426+/-14.702 χ^2/NDF : 1.3/4

3.566+/-9.115 χ^2/NDF : 26.9/23

-18.051+/-9.382 χ^2/NDF : 26.8/24

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: 30.249+/-0.010 χ^2/NDF : 20021.6/6

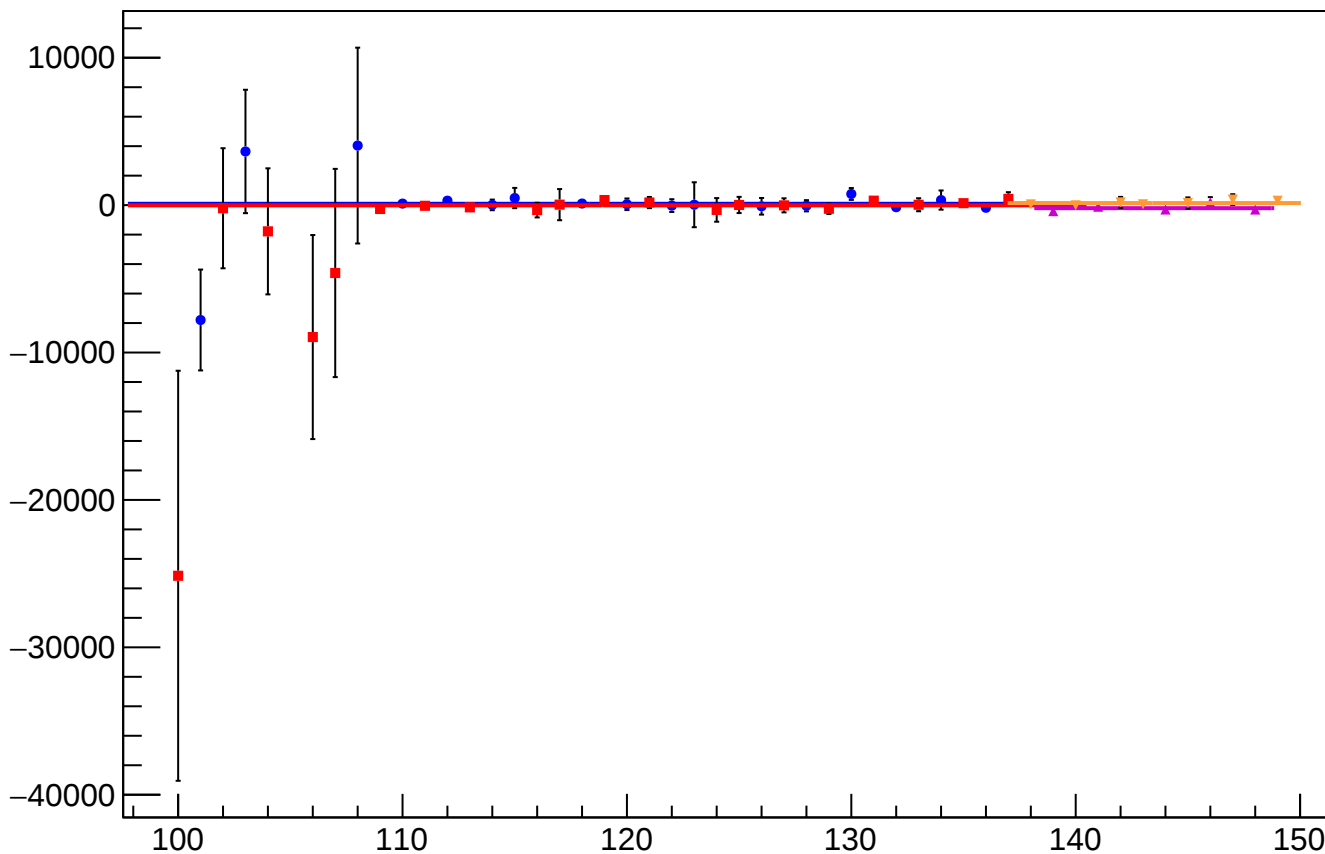
Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

Left In: 29.521+/-0.010 χ^2/NDF : 21532.0/4

28.930+/-0.006 χ^2/NDF : 3081821.9/23

28.446+/-0.007 χ^2/NDF : 3516707.3/24

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: 139.965+/-115.307 χ^2/NDF : 1.3/6

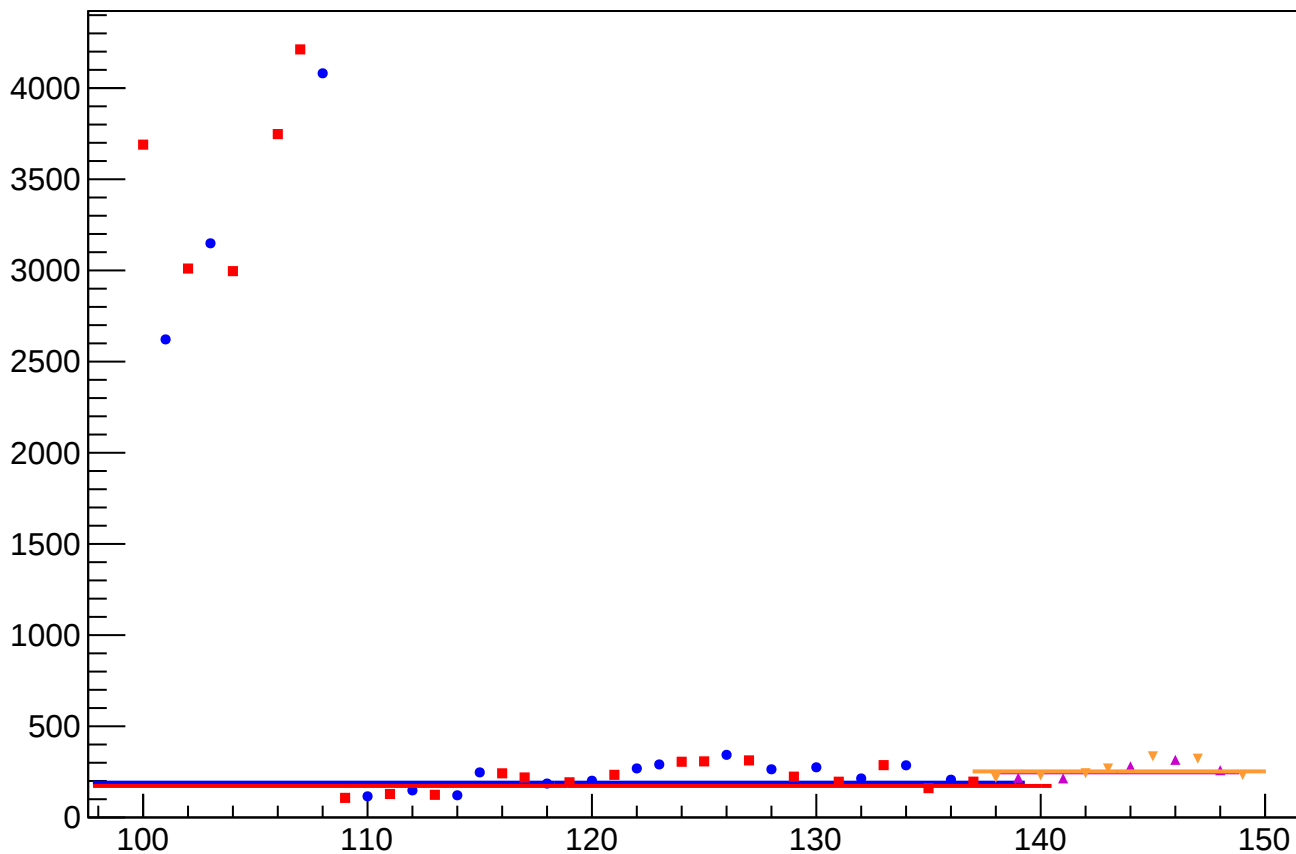
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -205.700+/-125.710 χ^2/NDF : 2.2/4

108.918+/-70.030 χ^2/NDF : 14.2/23

-69.046+/-67.763 χ^2/NDF : 16.6/24

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: 252.572+/-0.082 χ^2/NDF : 235214.2/6

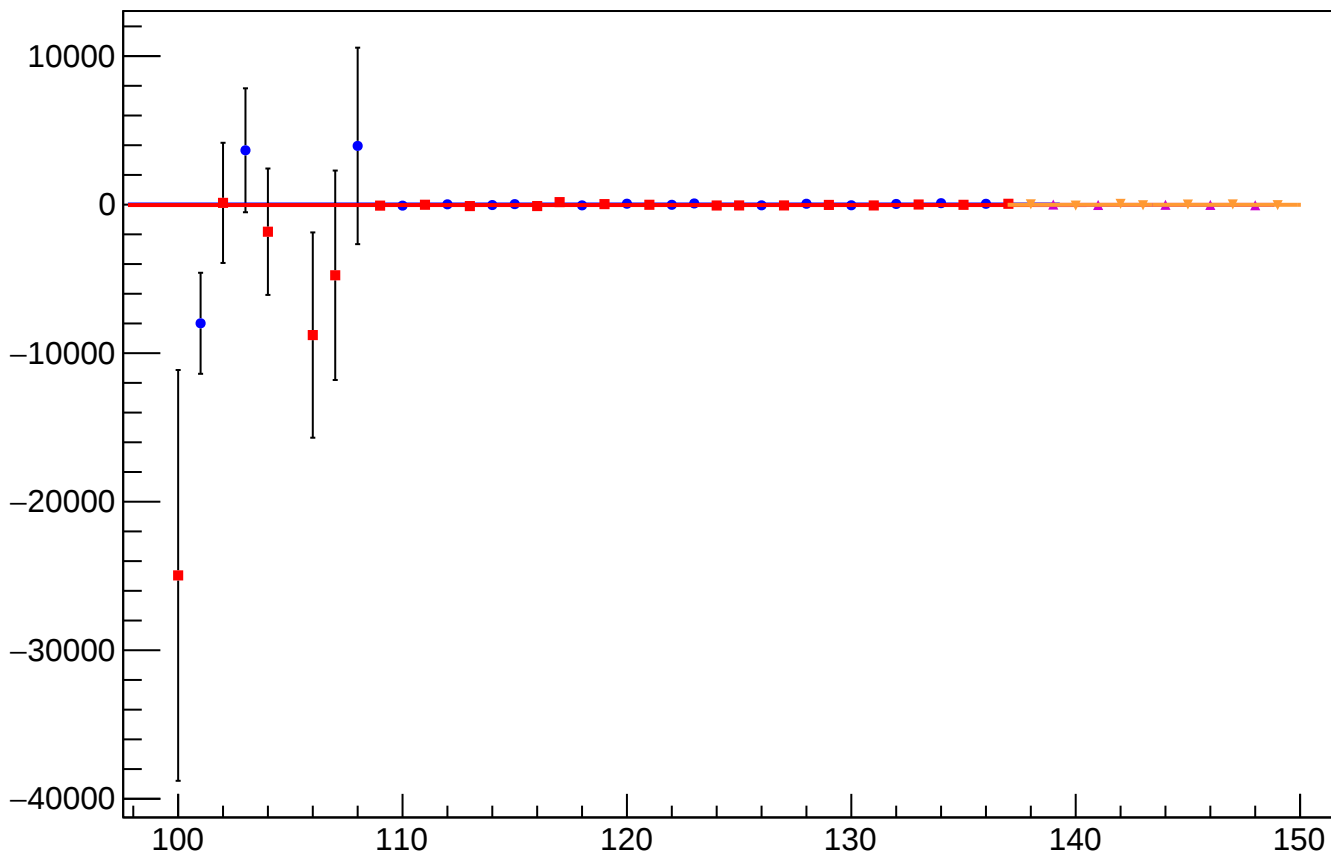
Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

Left In: 247.483+/-0.089 χ^2/NDF : 167888.4/4

213.565+/-0.050 χ^2/NDF : 4182876.1/23

194.572+/-0.048 χ^2/NDF : 4889837.6/24

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -11.008 $\pm$ 13.698 χ^2 /NDF: 7.1/6

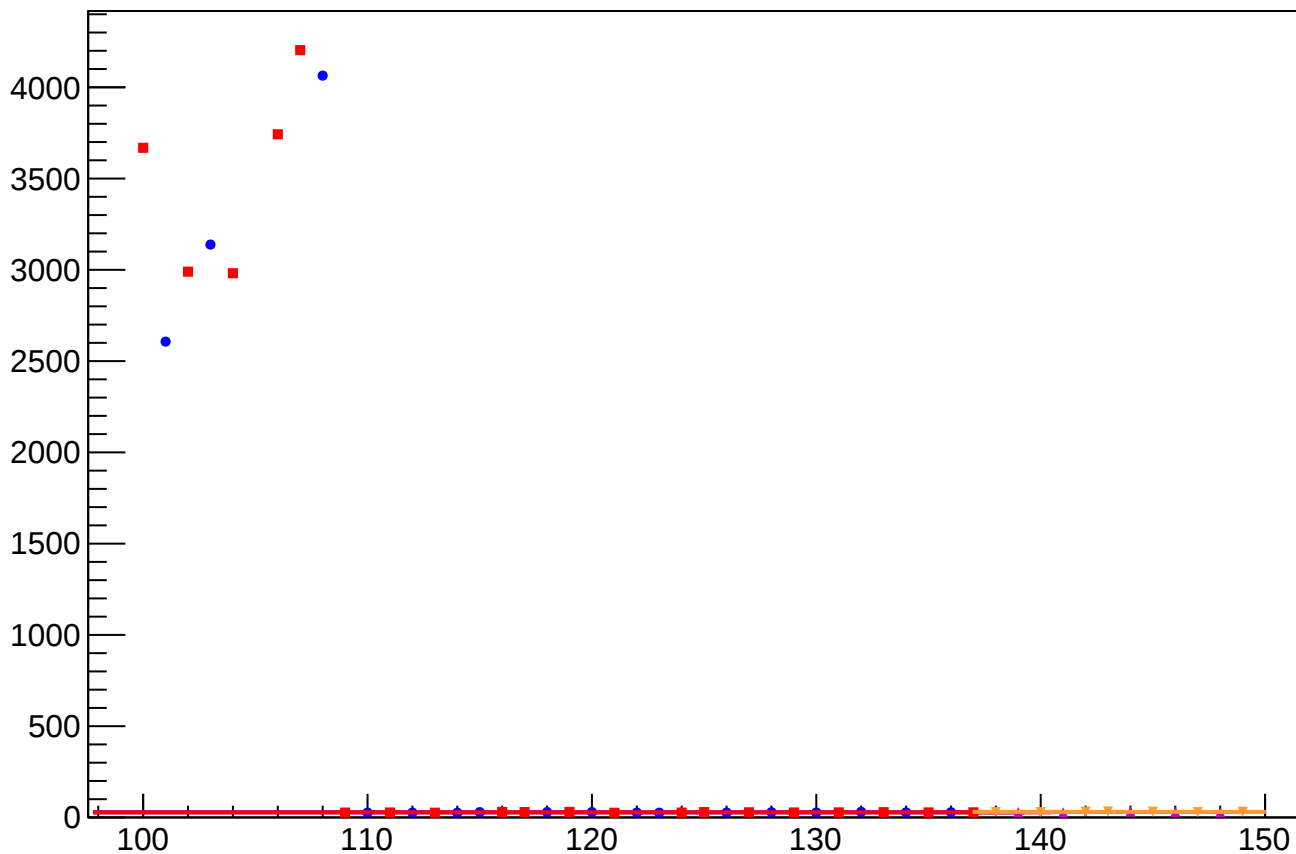
Right Out: -27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

Left In: -18.151 $\pm$ 14.796 χ^2 /NDF: 1.1/4

-0.206 $\pm$ 9.180 χ^2 /NDF: 31.4/23

-23.920 $\pm$ 9.453 χ^2 /NDF: 20.1/24

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 30.463+/-0.010 χ^2/NDF :19927.1/6

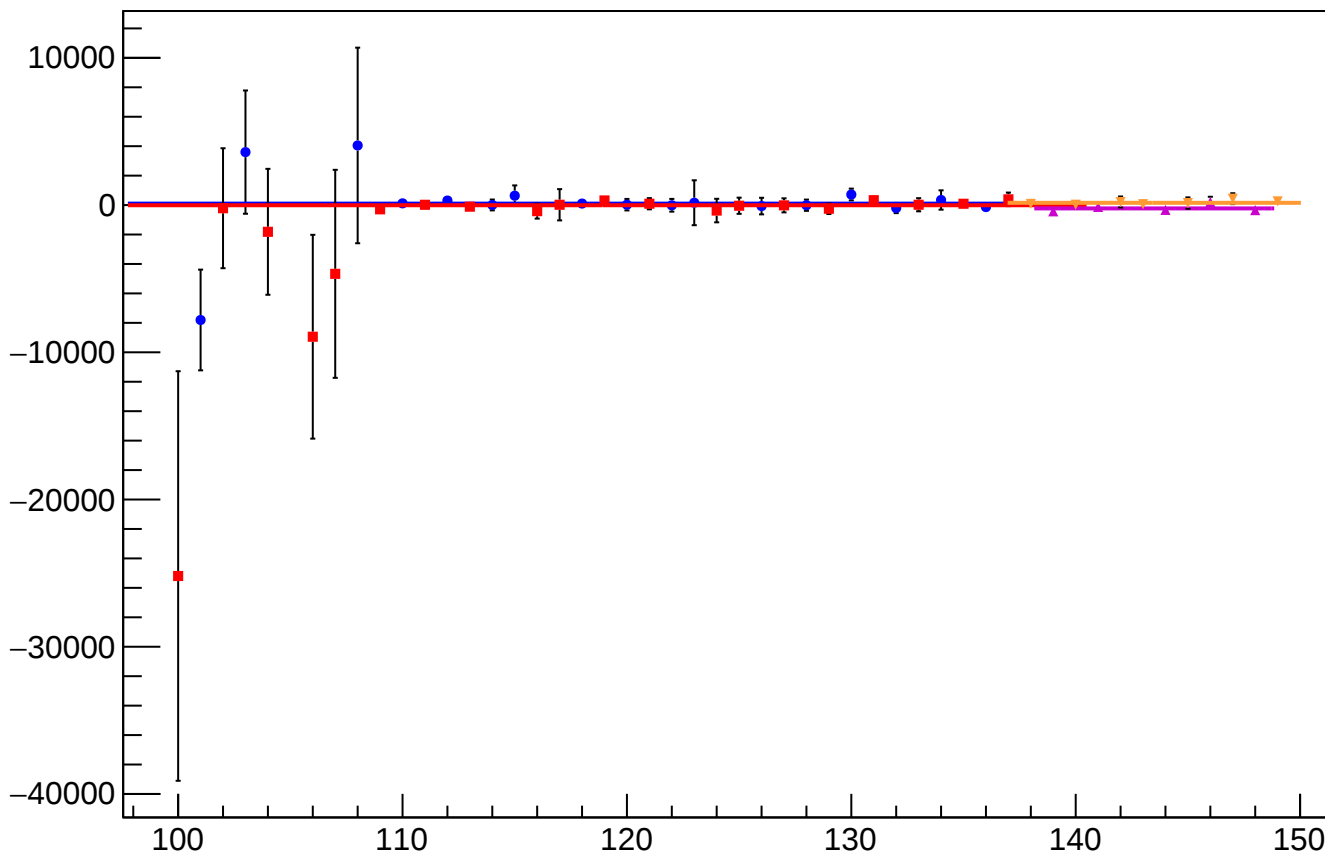
29.130+/-0.006 χ^2/NDF : 3082183.1/23

Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

28.655+/-0.007 χ^2/NDF : 3519853.3/24

Left In: 29.706+/-0.010 χ^2/NDF :22844.1/4

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 152.976+/-116.797 χ^2/NDF : 1.1/6

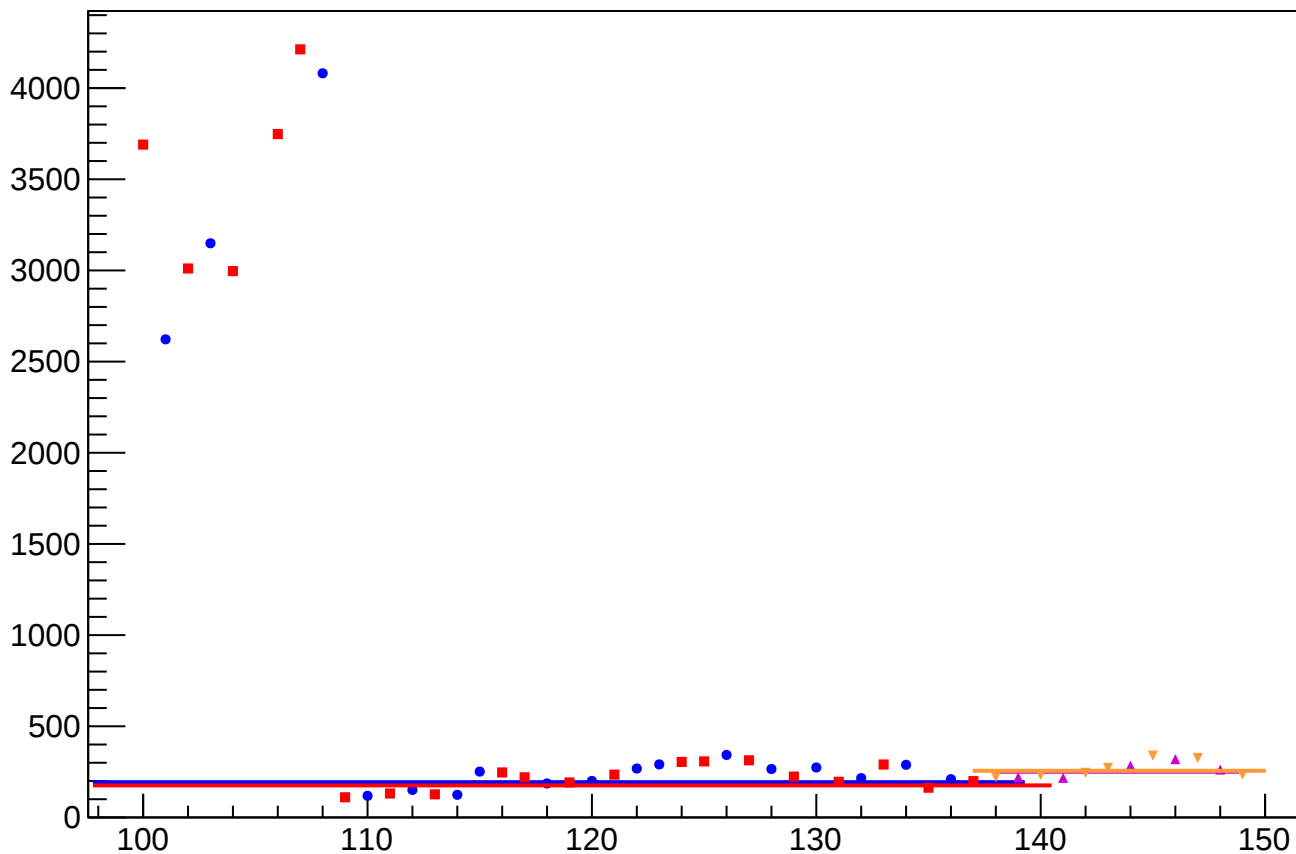
Right Out: -11.533+/-81.530 χ^2/NDF : 12.3/19

Left In: -226.564+/-127.338 χ^2/NDF : 2.5/4

118.343+/-70.892 χ^2/NDF : 13.8/23

-74.053+/-68.662 χ^2/NDF : 16.8/24

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516 $\pm$ 0.063 χ^2 /NDF: 3536947.8/16

216.503 $\pm$ 0.050 χ^2 /NDF: 4128695.5/23

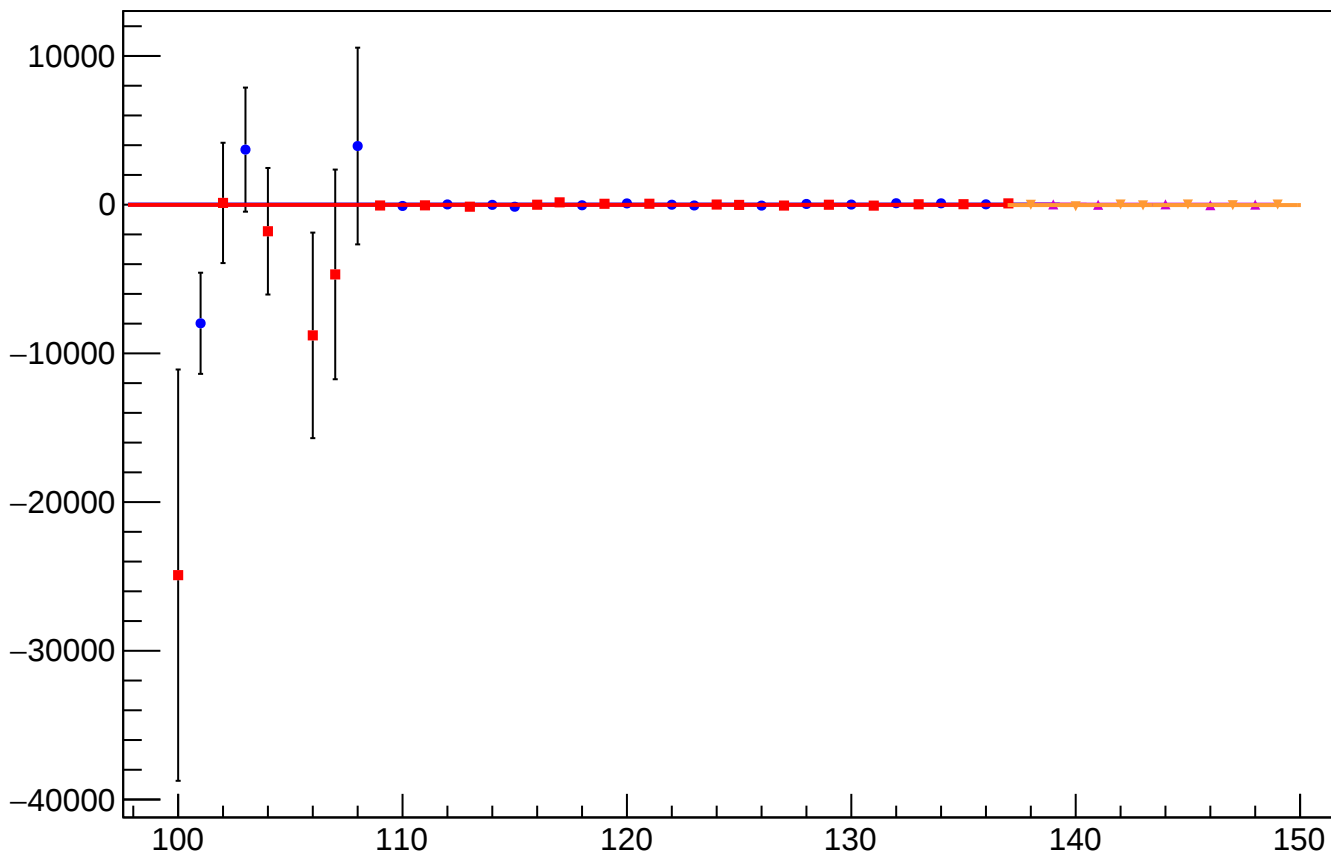
Left Out: 255.911 $\pm$ 0.083 χ^2 /NDF: 231258.1/6

Right Out: 175.774 $\pm$ 0.058 χ^2 /NDF: 4169115.6/19

197.577 $\pm$ 0.049 χ^2 /NDF: 4827129.1/24

Left In: 250.762 $\pm$ 0.090 χ^2 /NDF: 166092.6/4

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: -26.516 $\pm$ 16.120 χ^2 /NDF:6.6/6

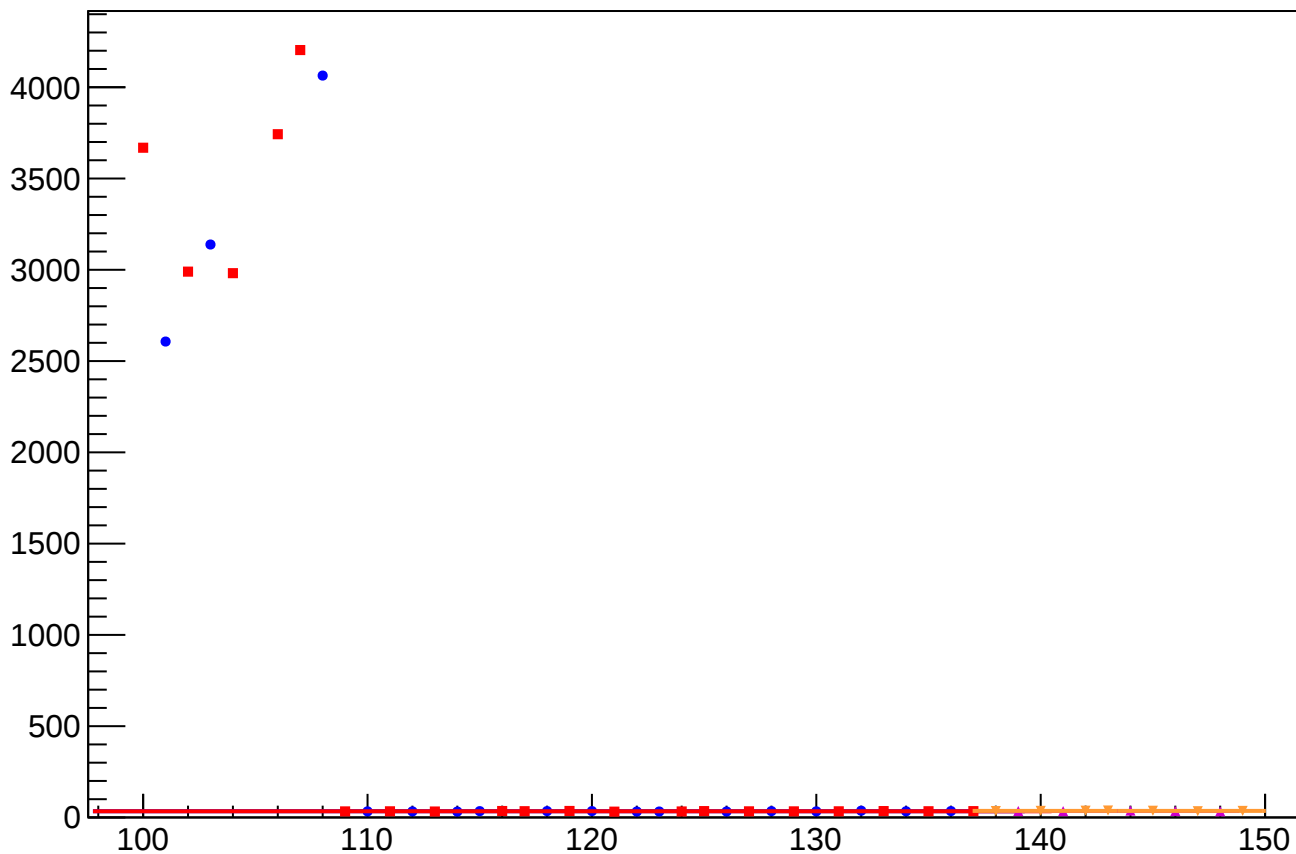
Right Out: -10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

Left In: 0.765 $\pm$ 17.550 χ^2 /NDF:1.3/4

-9.378 $\pm$ 11.002 χ^2 /NDF: 29.1/23

-5.944 $\pm$ 11.354 χ^2 /NDF: 24.6/24

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168+/-0.011 χ^2 /NDF: 3006512.8/16

Left Out: 35.913+/-0.011 χ^2 /NDF:10824.9/6

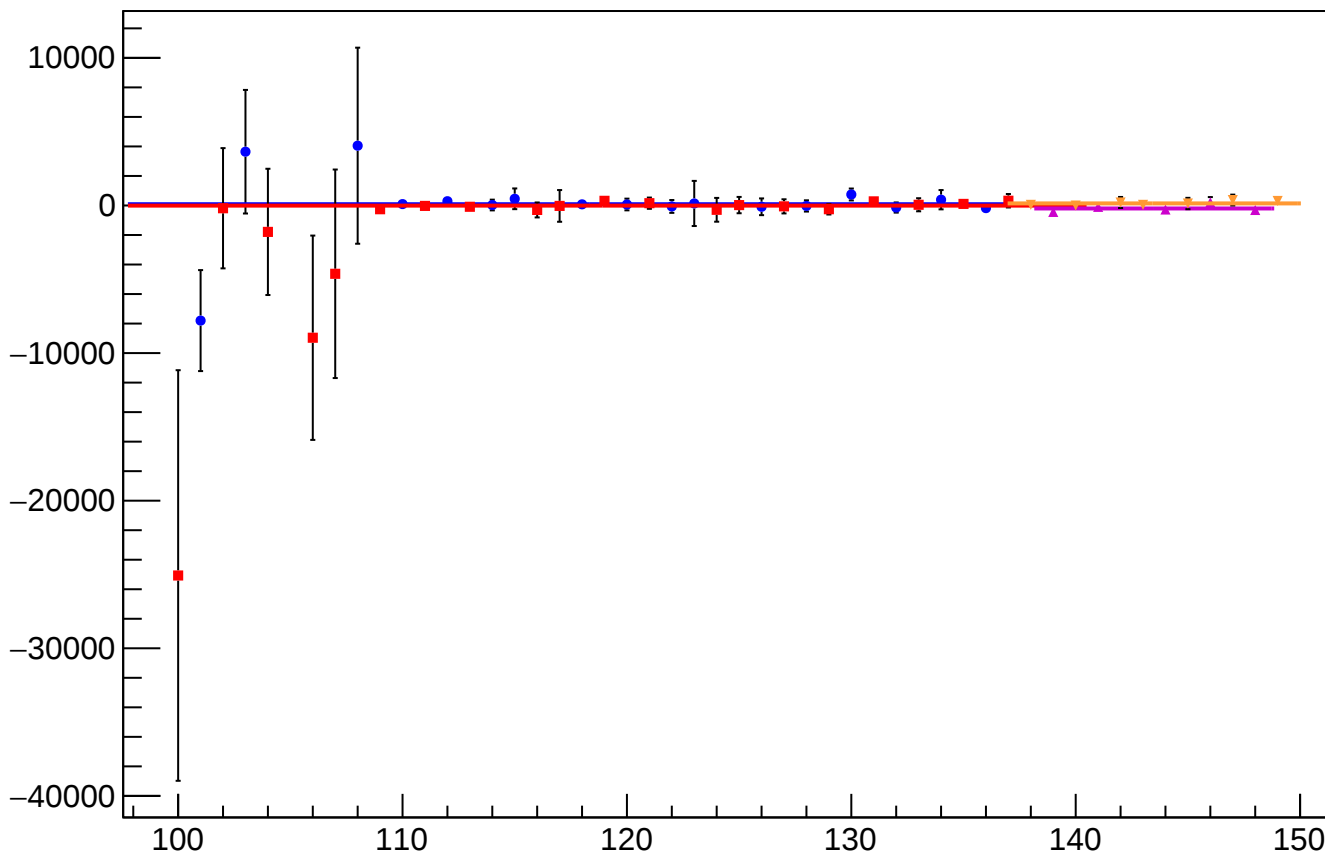
Right Out: 33.916+/-0.011 χ^2 /NDF: 3451921.6/19

Left In: 35.293+/-0.012 χ^2 /NDF:9676.2/4

34.980+/-0.008 χ^2 /NDF: 3029858.2/23

34.492+/-0.008 χ^2 /NDF: 3468757.2/24

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: 140.298+/-115.886 χ^2/NDF : 1.3/6

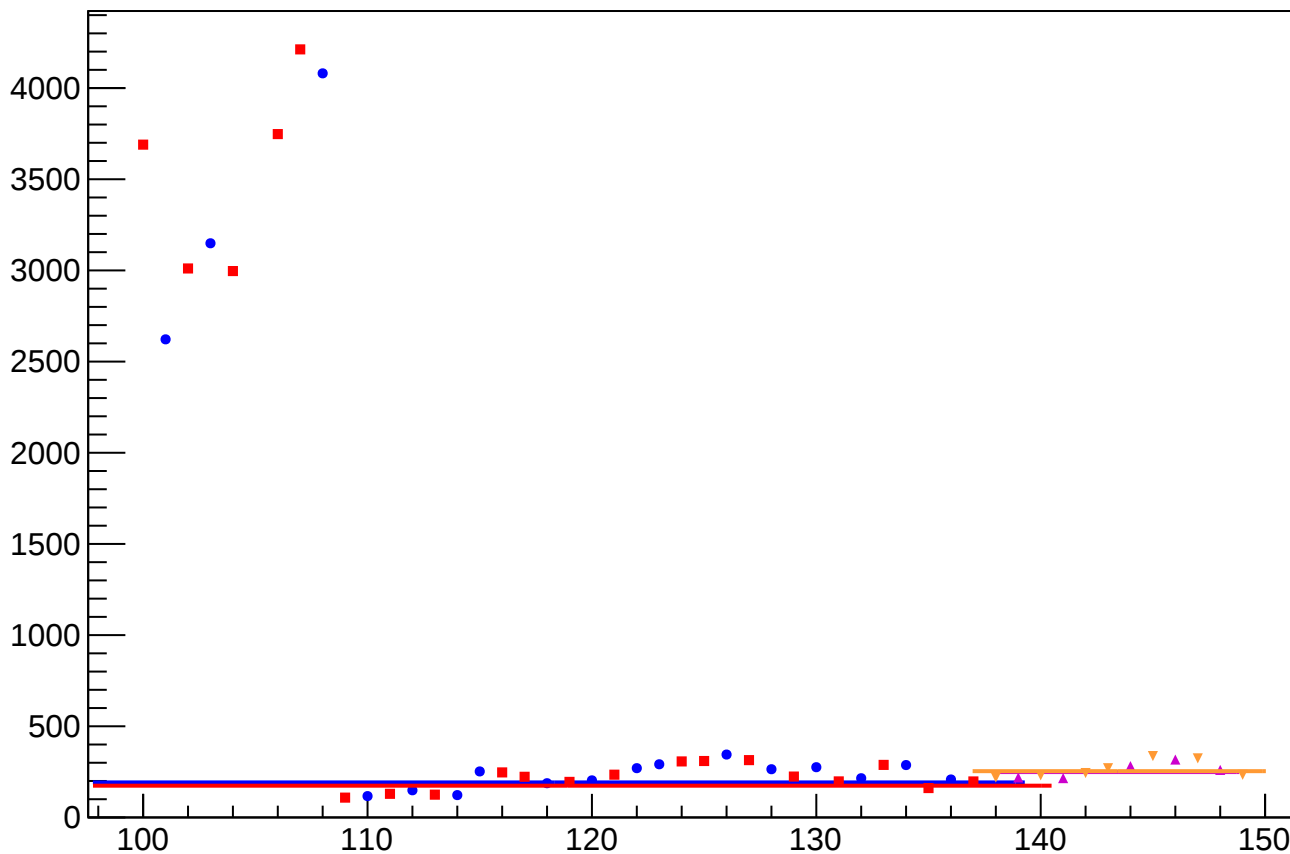
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -202.727+/-126.420 χ^2/NDF : 2.6/4

105.129+/-70.459 χ^2/NDF : 14.0/23

-65.183+/-68.217 χ^2/NDF : 15.3/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 253.841+/-0.082 χ^2/NDF : 235367.5/6

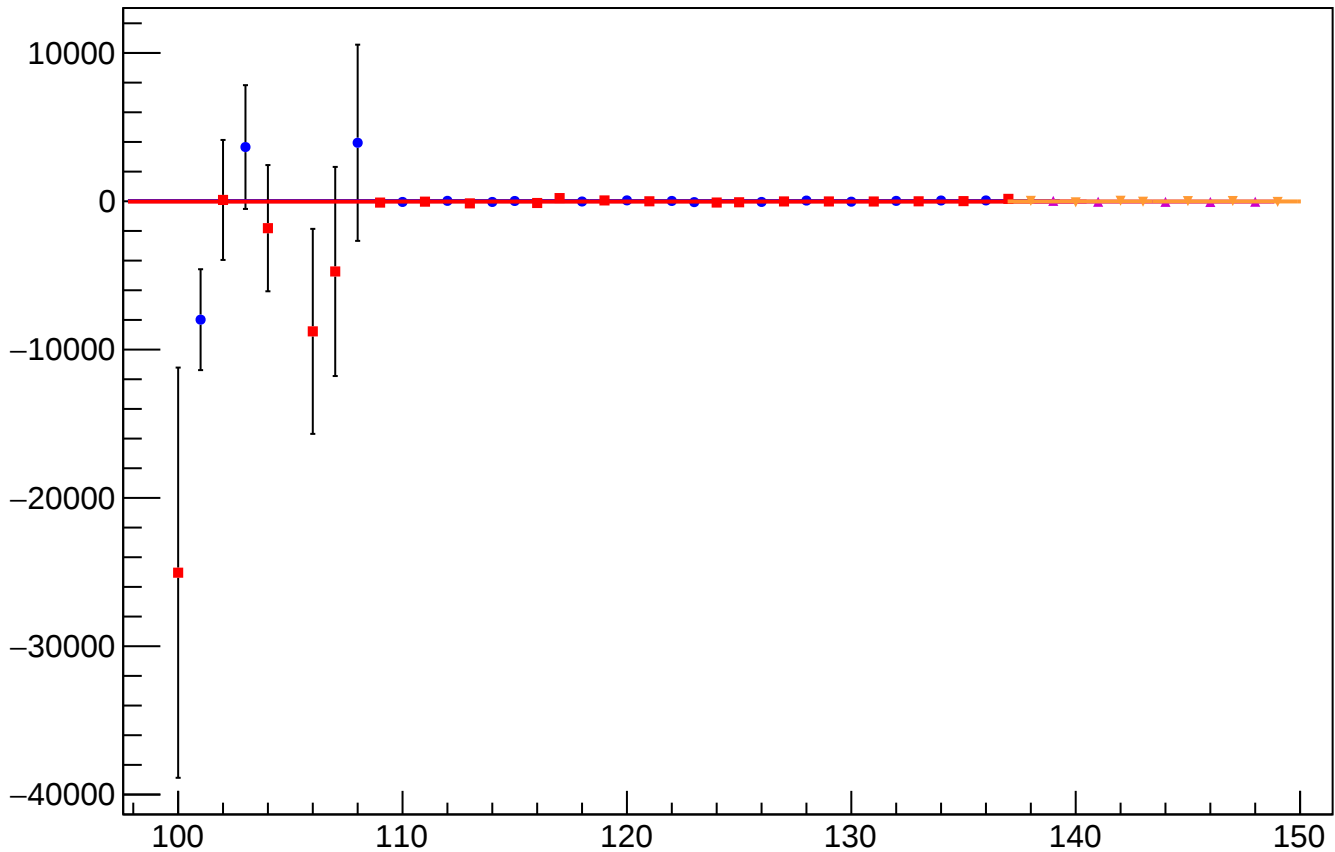
Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

Left In: 248.908+/-0.089 χ^2/NDF : 166736.0/4

214.972+/-0.050 χ^2/NDF : 4166931.3/23

195.981+/-0.048 χ^2/NDF : 4877054.0/24

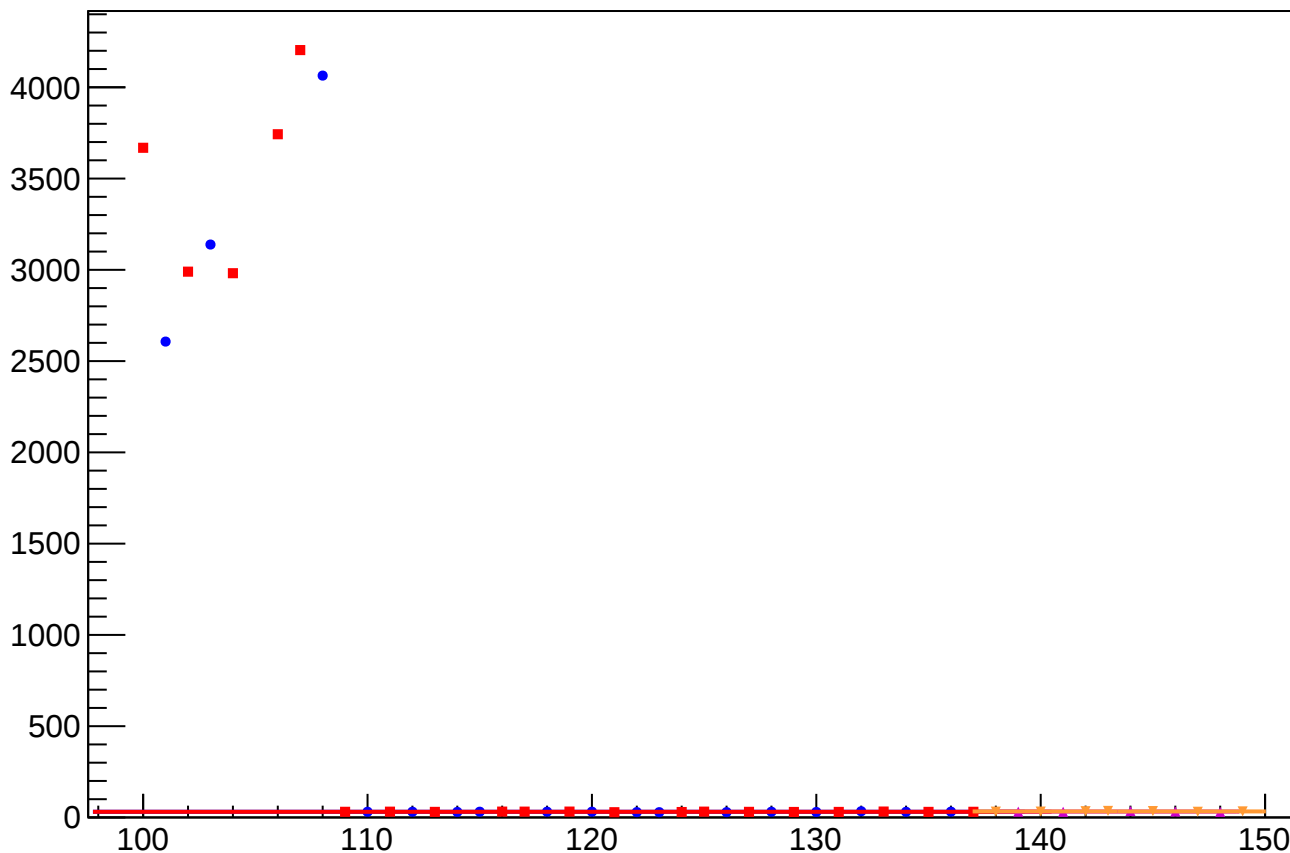
asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16
 Left Out: -11.105+/-14.851 χ^2/NDF : 6.5/6
 Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19
 Left In: -24.222+/-16.049 χ^2/NDF : 2.5/4

1.763+/-10.079 χ^2/NDF : 22.5/23
 -22.196+/-10.378 χ^2/NDF : 32.9/24

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: 33.042+/-0.011 χ^2/NDF : 22774.4/6

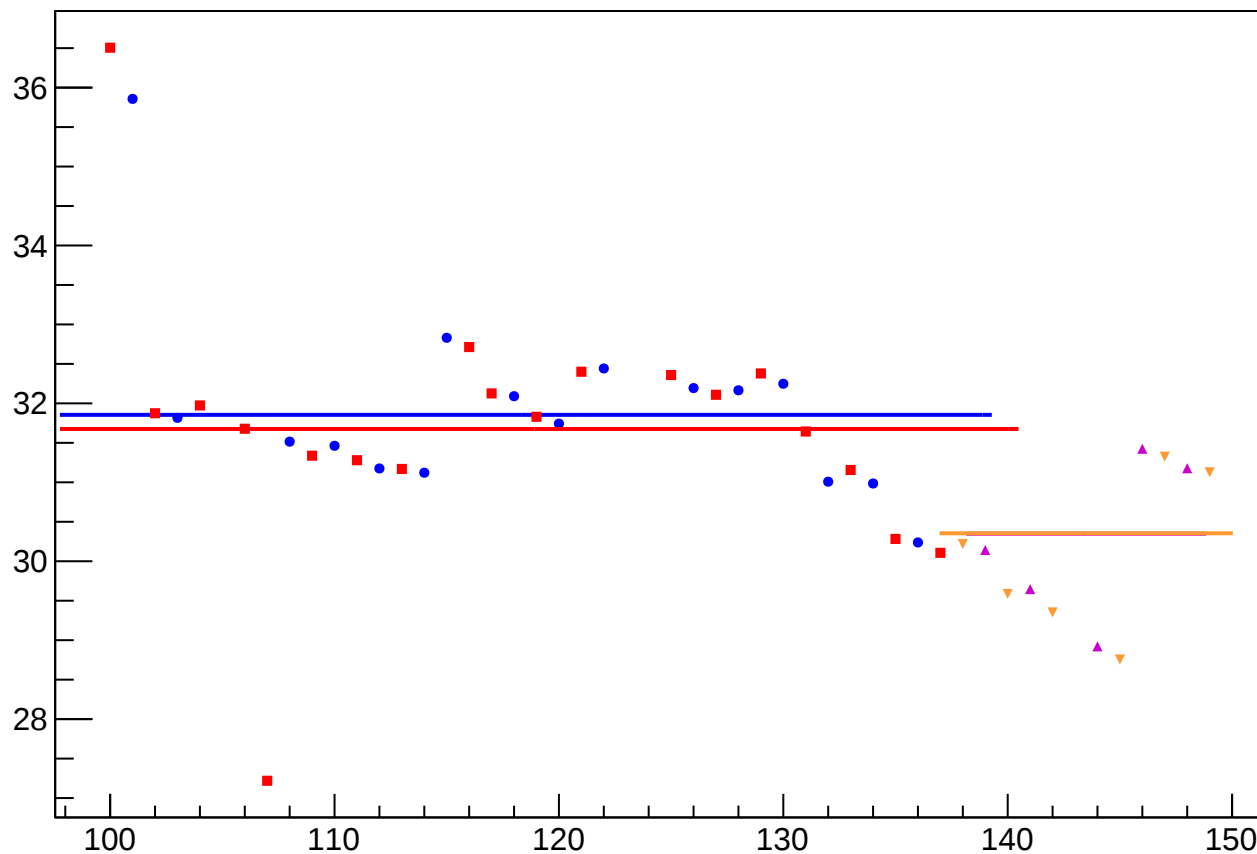
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 32.246+/-0.011 χ^2/NDF : 18747.3/4

32.023+/-0.007 χ^2/NDF : 3054745.0/23

31.503+/-0.007 χ^2/NDF : 3485098.7/24

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.354+/-0.000 χ^2/NDF : 529946411.5/5

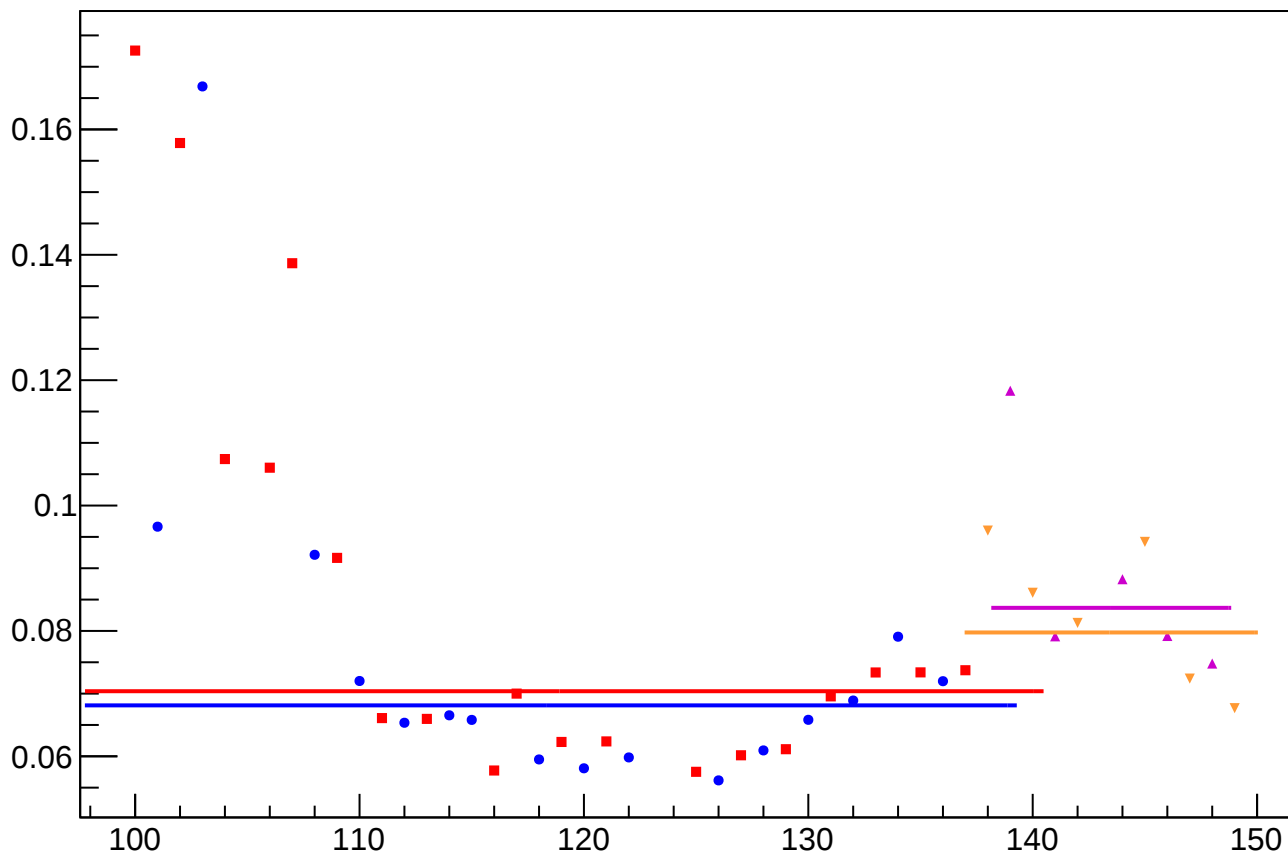
Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

Left In: 30.349+/-0.000 χ^2/NDF : 481122512.2/4

31.372+/-0.000 χ^2/NDF : 3001826254.8/21

31.283+/-0.000 χ^2/NDF : 2027508634.0/23

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.080 $\pm$ 0.000 χ^2 /NDF: 140204.5/5

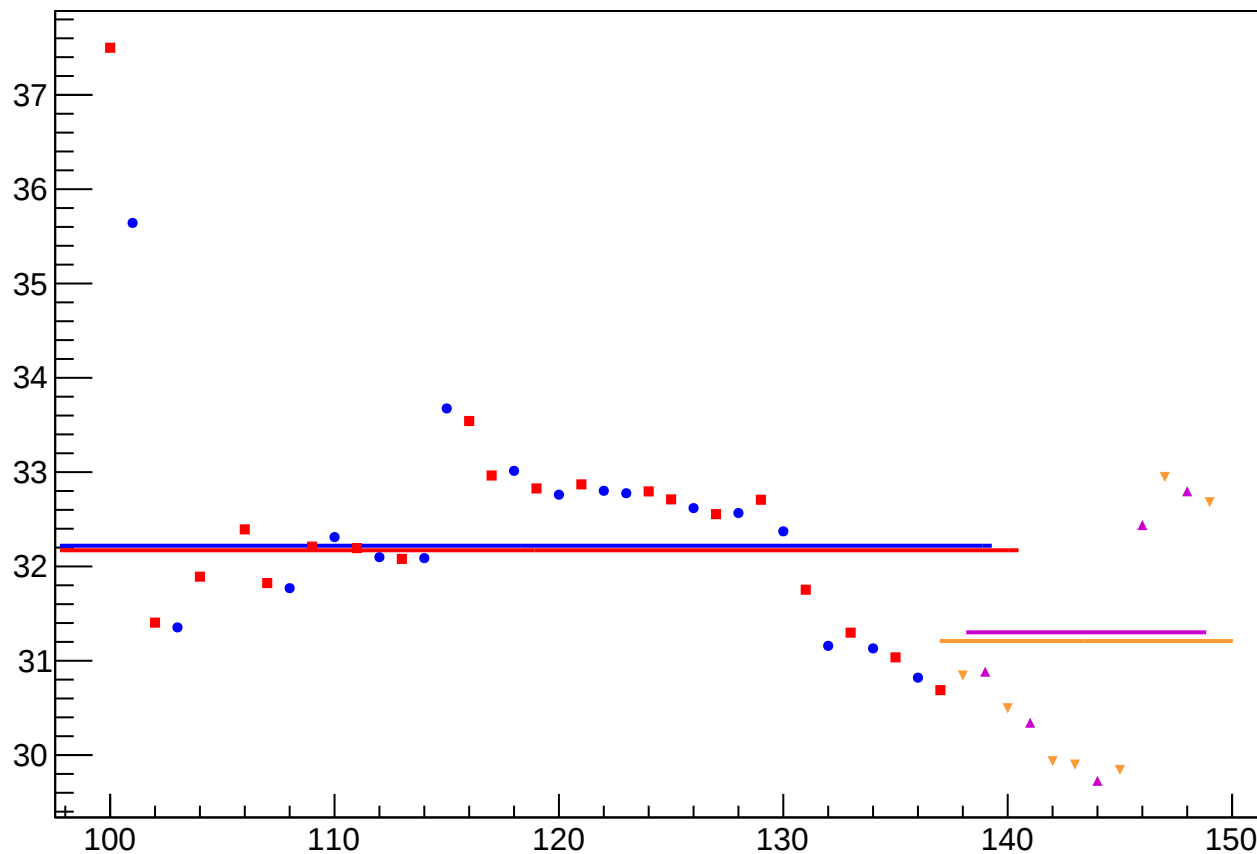
Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841322.7/18

Left In: 0.084 $\pm$ 0.000 χ^2 /NDF: 152934.4/4

0.072 $\pm$ 0.000 χ^2 /NDF: 878286.6/21

0.074 $\pm$ 0.000 χ^2 /NDF: 1120179.1/23

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.209+/-0.000 χ^2/NDF : 1277370832.3/6

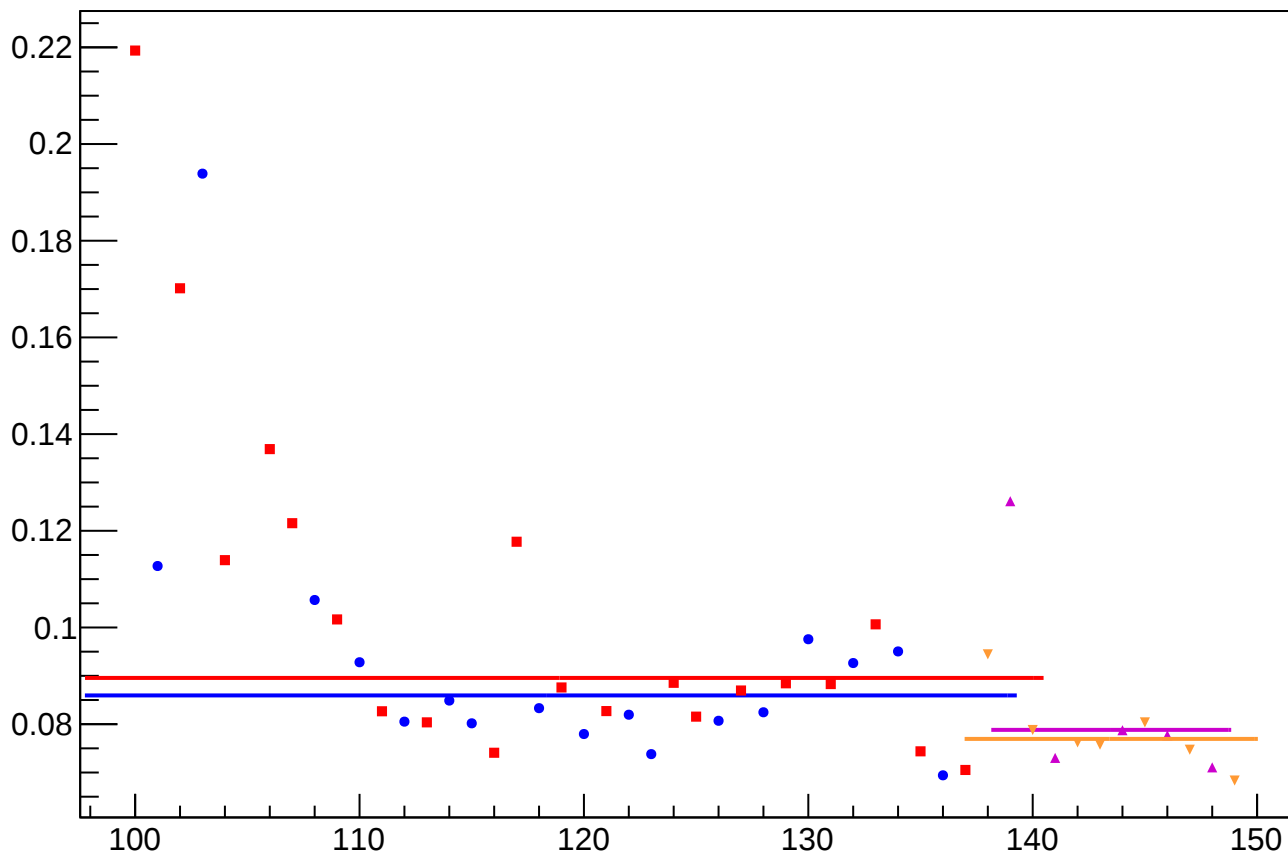
Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

Left In: 31.301+/-0.000 χ^2/NDF : 936594224.2/4

31.729+/-0.000 χ^2/NDF : 2680268228.5/23

31.798+/-0.000 χ^2/NDF : 1631292072.0/24

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 74311.8/6

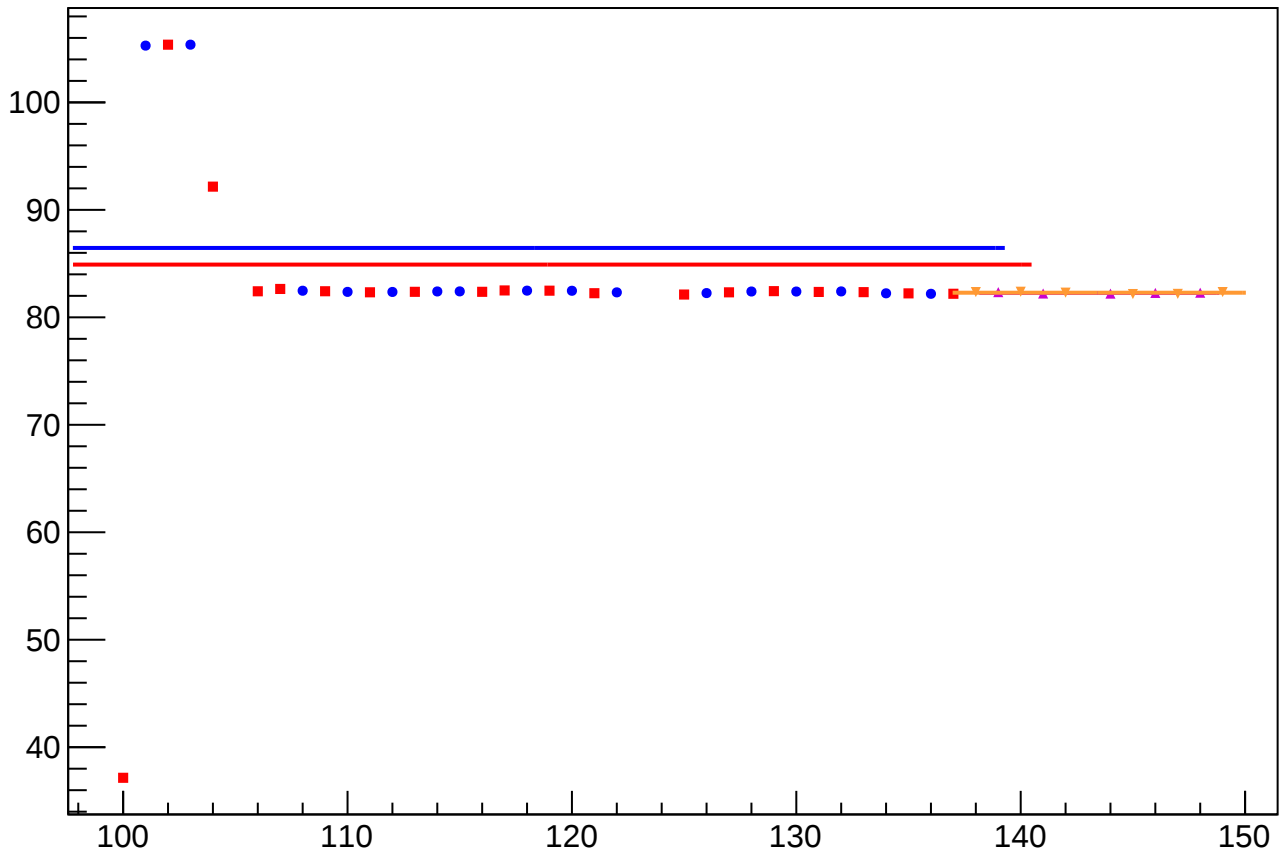
Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 544516.7/19

Left In: 0.079 $\pm$ 0.000 χ^2 /NDF: 225612.5/4

0.082 $\pm$ 0.000 χ^2 /NDF: 689240.7/23

0.085 $\pm$ 0.000 χ^2 /NDF: 846550.4/24

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.291+/-0.000 χ^2/NDF : 16696013.0/5

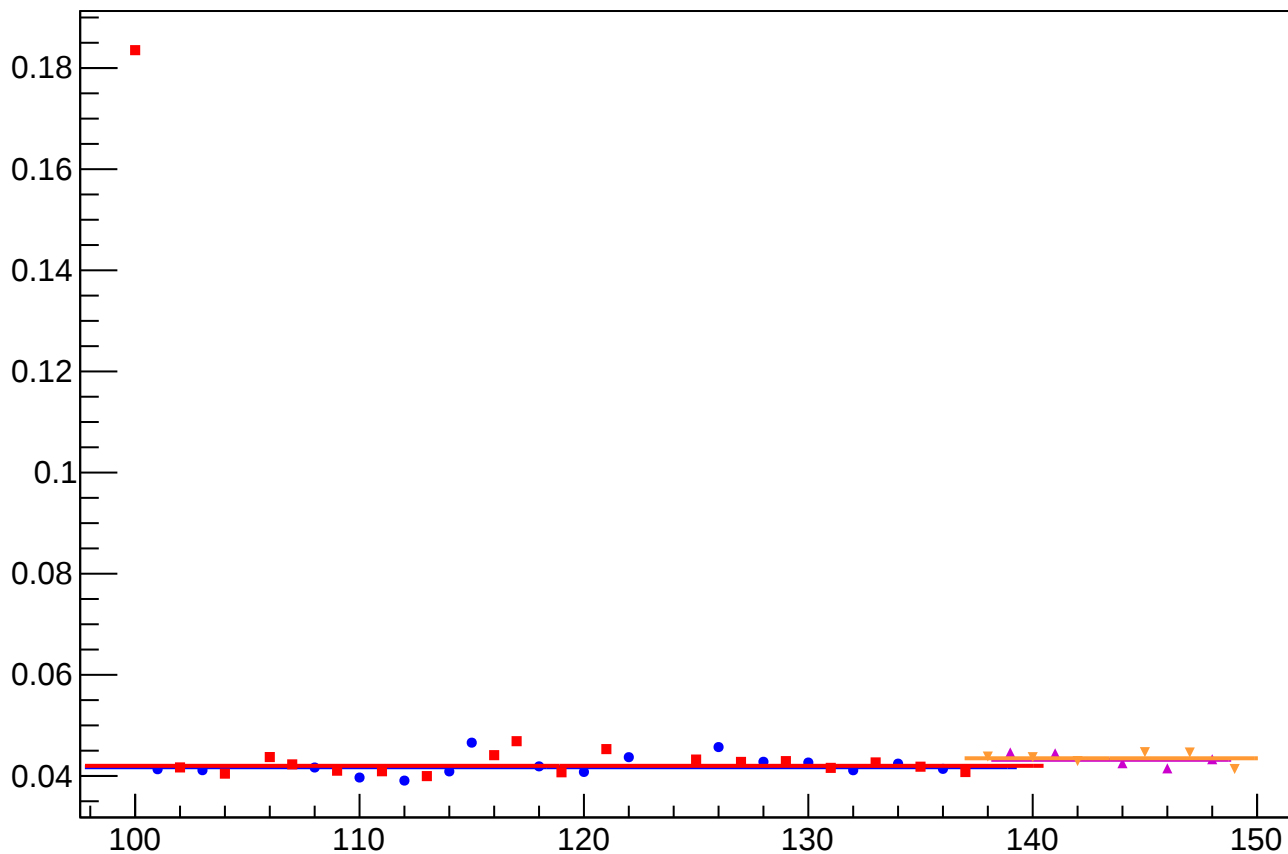
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.264+/-0.000 χ^2/NDF : 5154552.8/4

84.898+/-0.000 χ^2/NDF : 315904366959.3/21

83.973+/-0.000 χ^2/NDF : 182011435331.2/23

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.043+/-0.000 χ^2/NDF : 6588.9/5

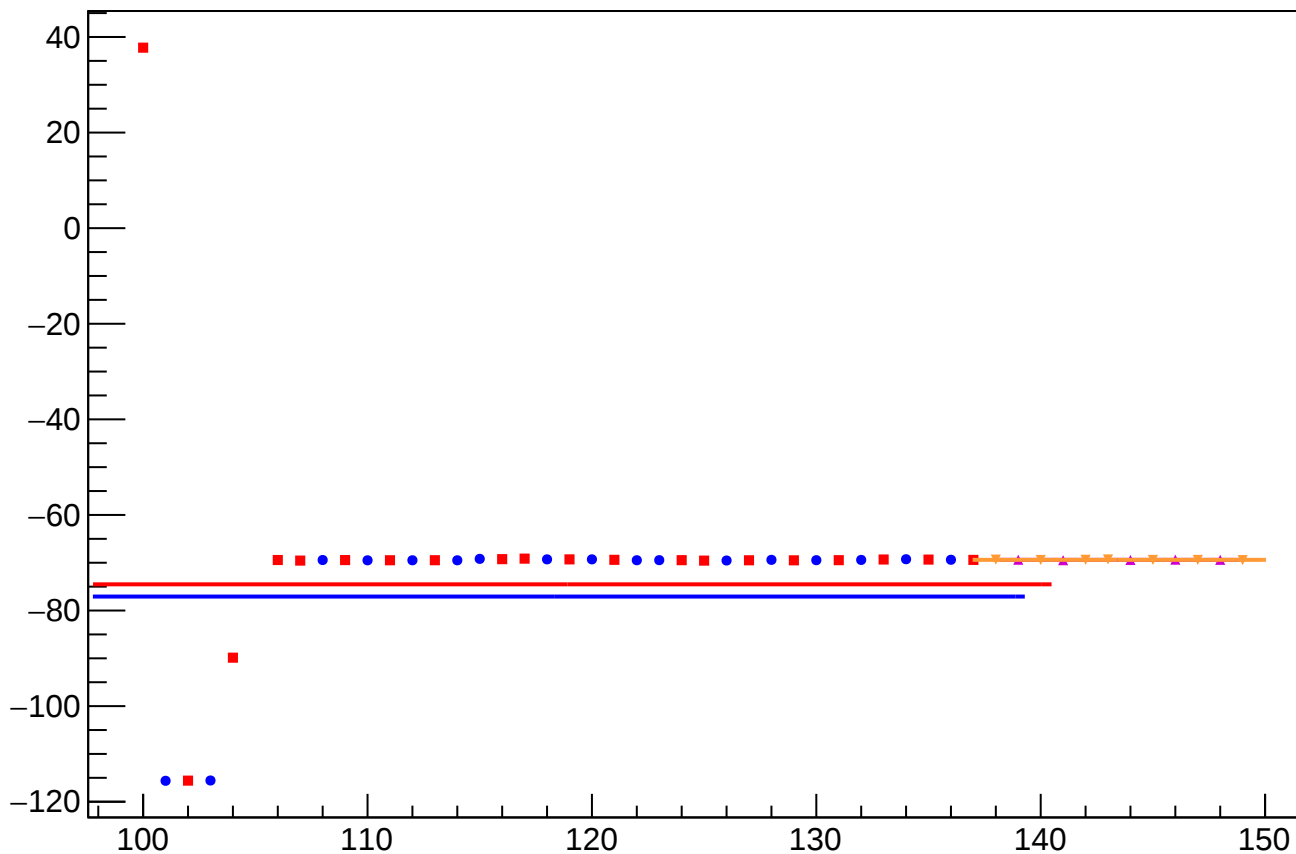
Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

Left In: 0.043+/-0.000 χ^2/NDF : 6035.4/4

0.042+/-0.000 χ^2/NDF : 34298.4/21

0.042+/-0.000 χ^2/NDF : 107763.6/23

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.395+/-0.000 χ^2/NDF : 2898701.5/6

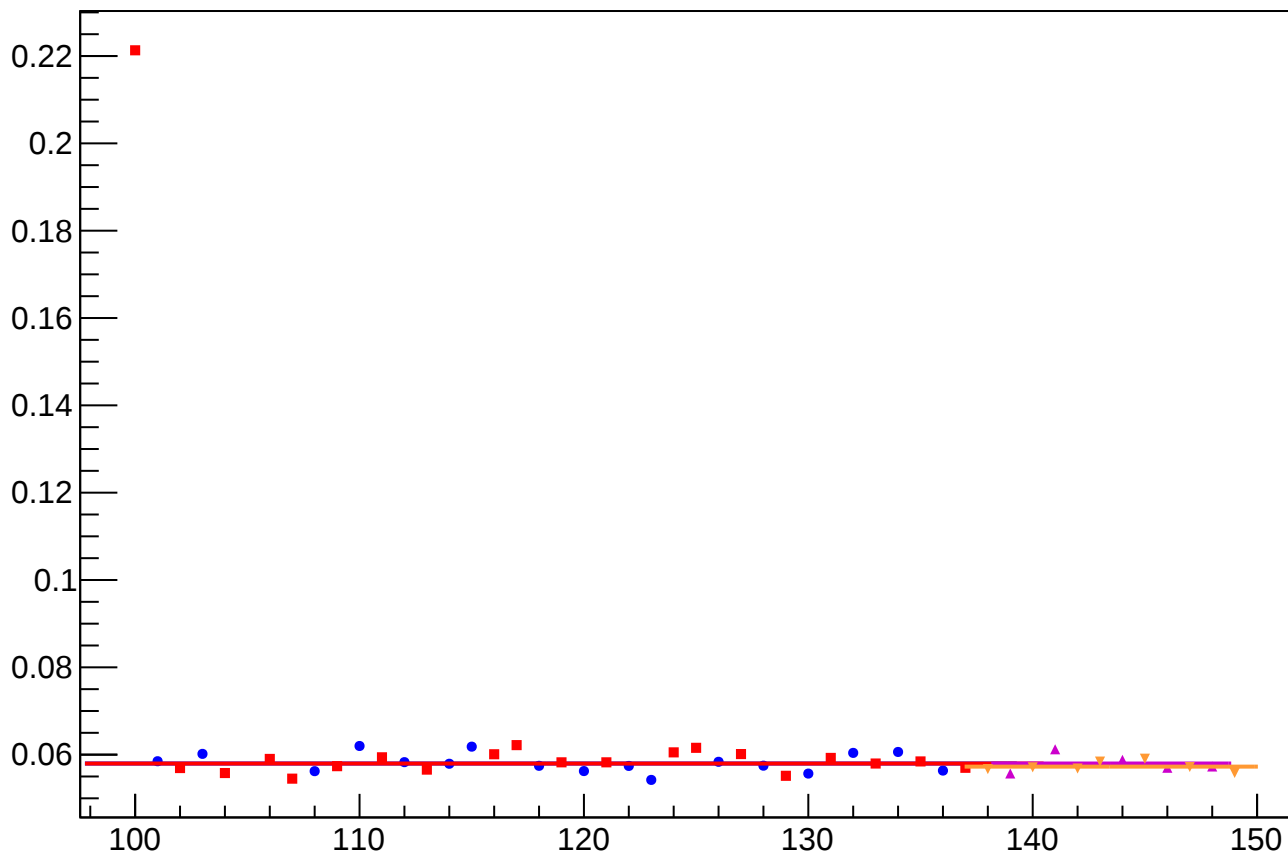
Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

Left In: -69.399+/-0.000 χ^2/NDF : 1904161.6/4

-73.744+/-0.000 χ^2/NDF : 614365333272.8/23

-72.665+/-0.000 χ^2/NDF : 391684035101.5/24

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 : 3145.4/6

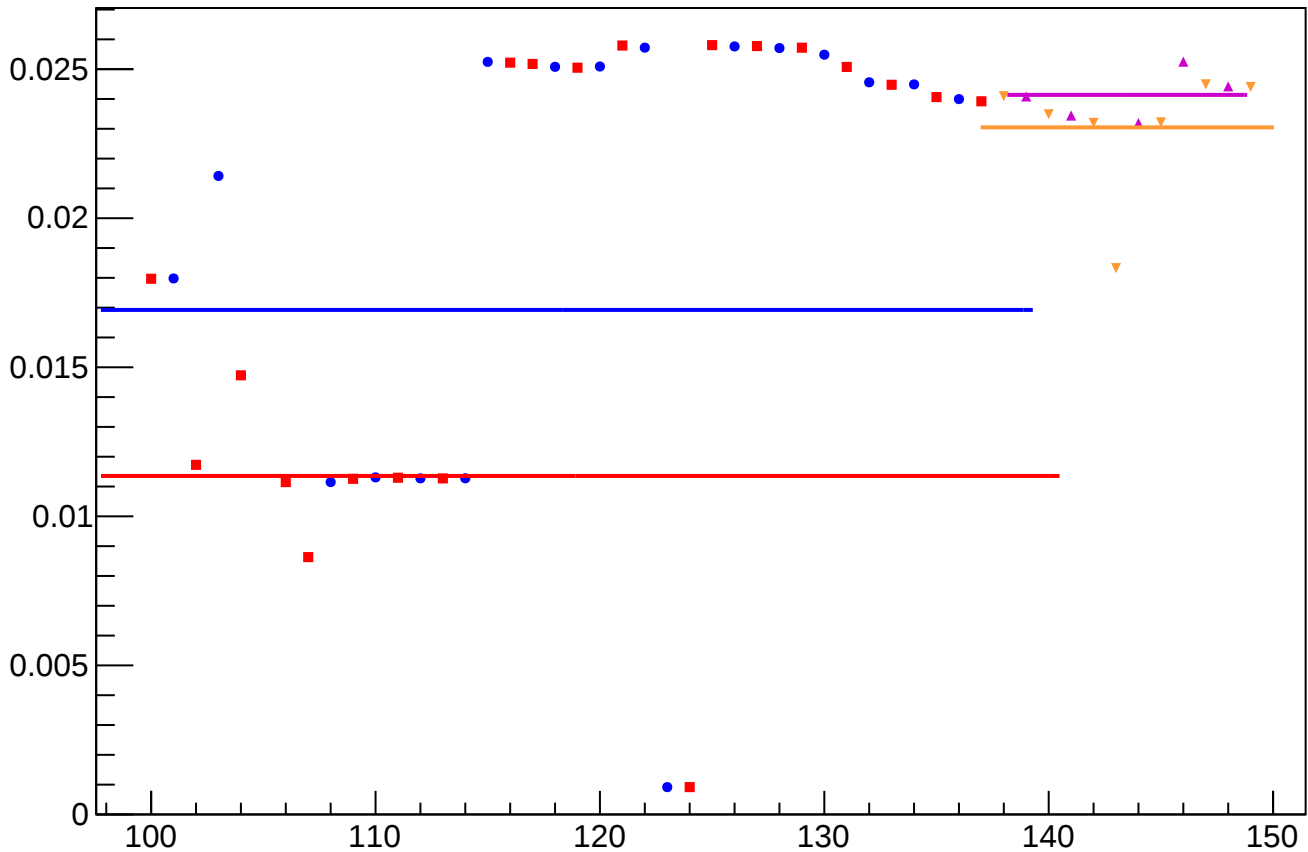
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.058+/-0.000 χ^2/NDF : 7991.5/4

0.058+/-0.000 χ^2/NDF : 16262.3/23

0.058+/-0.000 χ^2/NDF : 94852.3/24

yield_atl1_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.023+/-0.000 χ^2/NDF : 4106219798.5/6

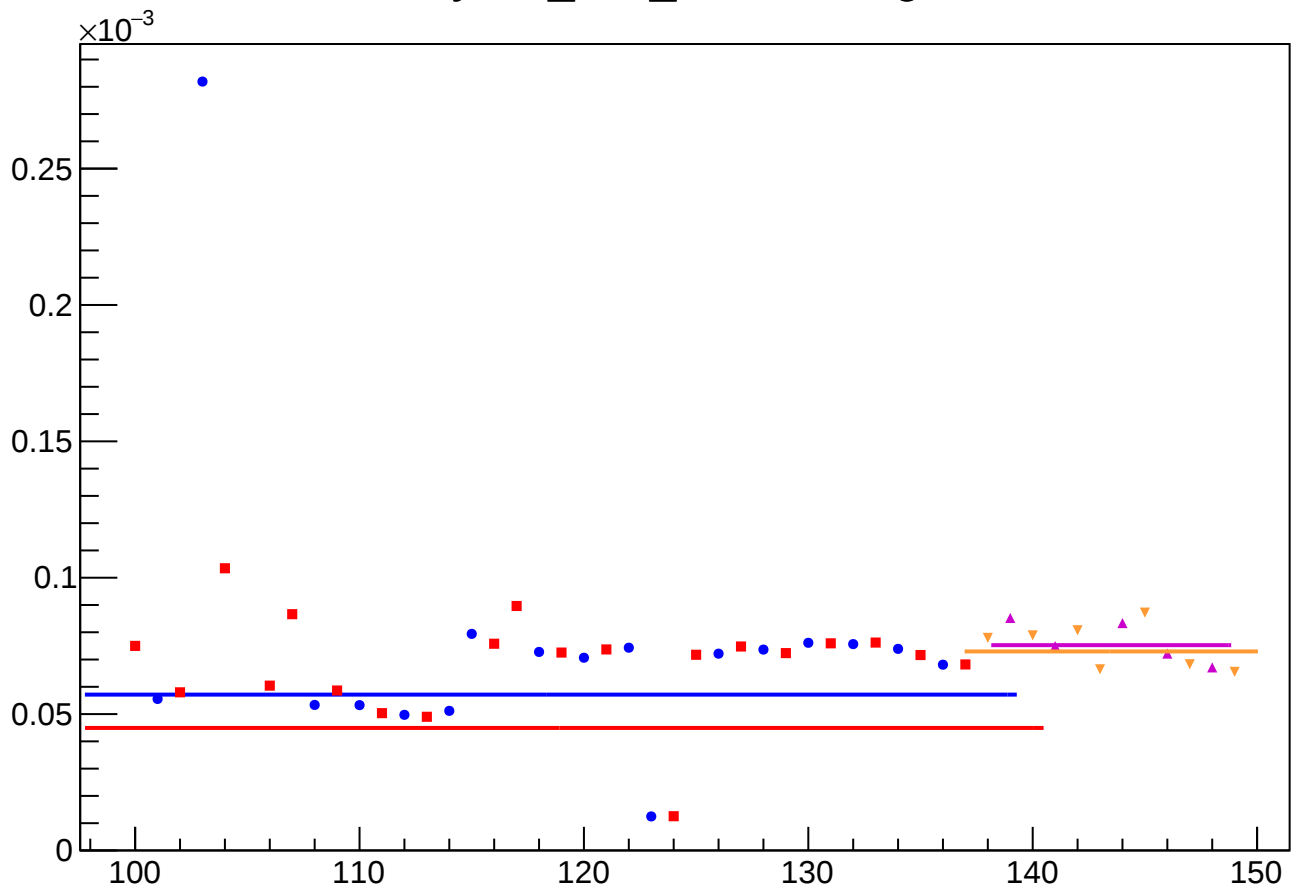
0.019+/-0.000 χ^2/NDF : 152371917498.4/23

Right Out: 0.011+/-0.000 χ^2/NDF : 235754579473.9/19

0.014+/-0.000 χ^2/NDF : 323467403928.2/24

Left In: 0.024+/-0.000 χ^2/NDF : 379054024.4/4

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 :101325.3/6

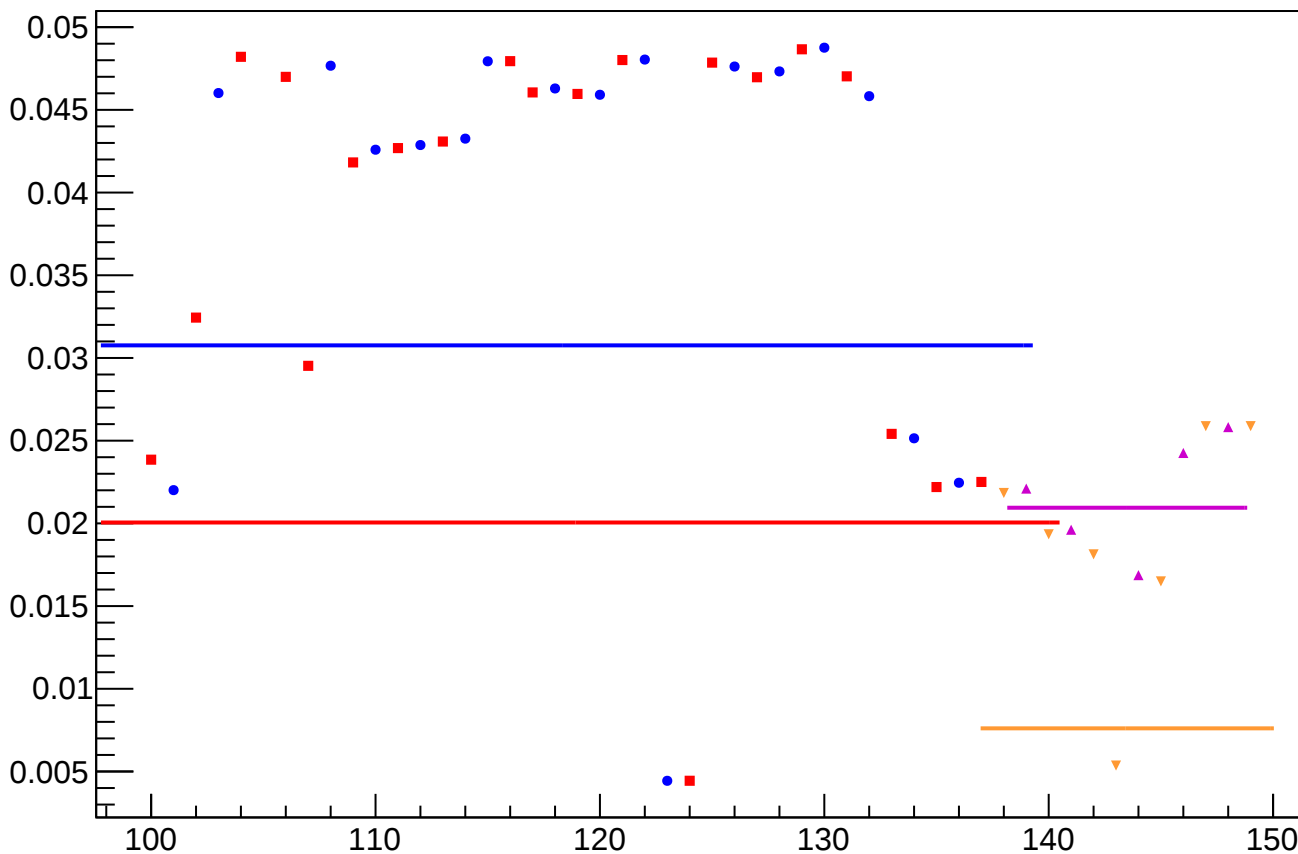
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF :61337.0/4

0.000+/-0.000 χ^2/NDF : 2393441.4/23

0.000+/-0.000 χ^2/NDF : 4659231.0/24

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.008+/-0.000 χ^2/NDF :13297991341.8/6

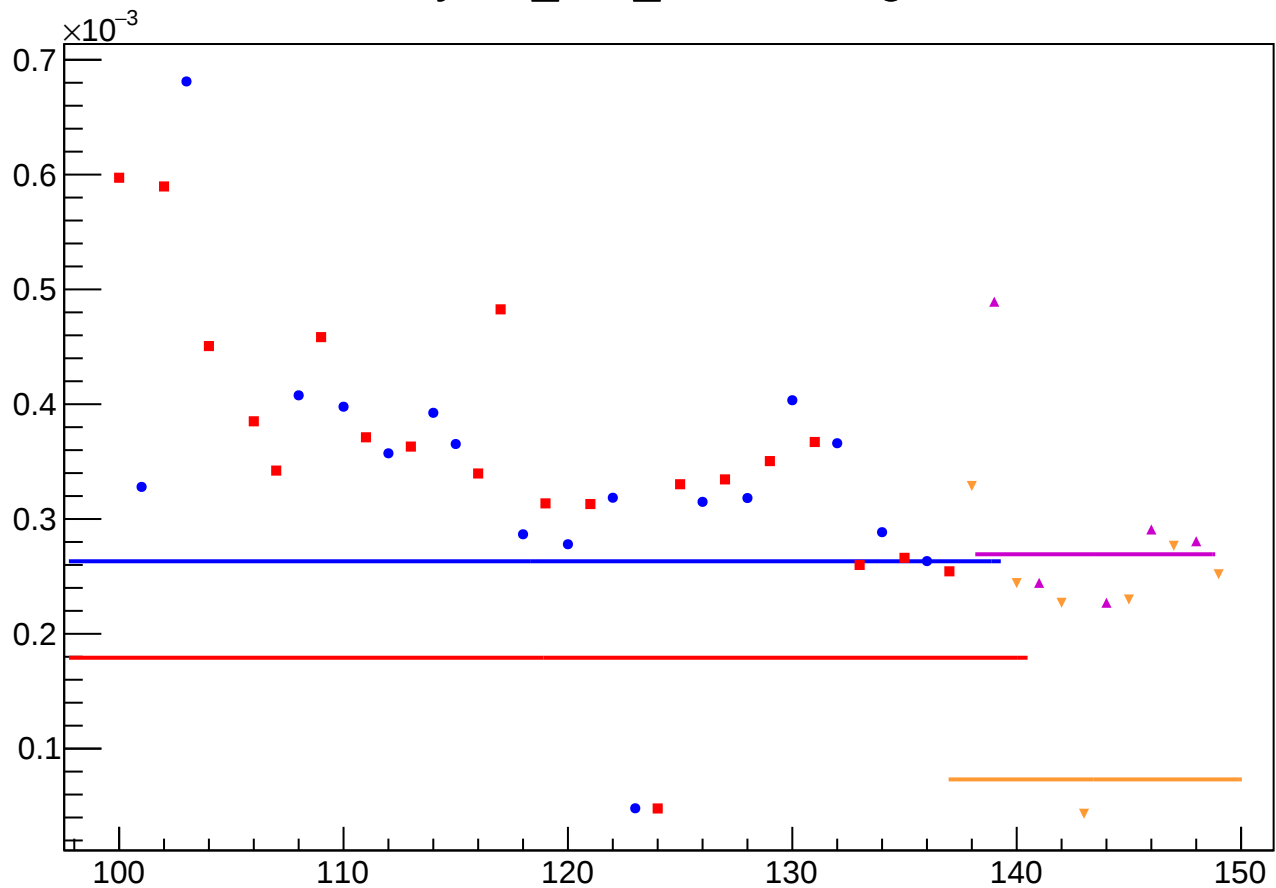
Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

Left In: 0.021+/-0.000 χ^2/NDF :592189003.0/4

0.011+/-0.000 χ^2/NDF : 66790364949.0/23

0.020+/-0.000 χ^2/NDF : 40753135702.7/24

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 :4509900.0/6

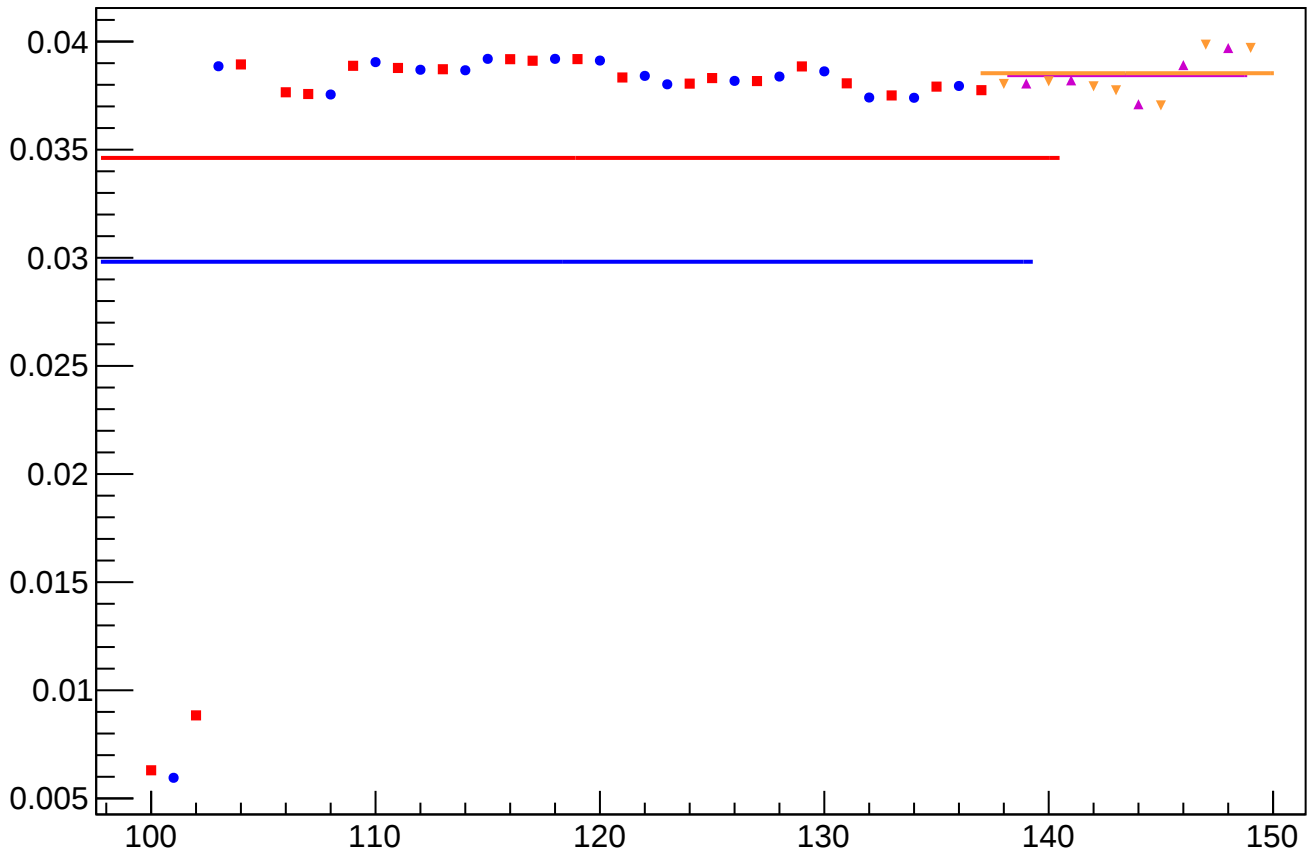
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF :363040.5/4

0.000+/-0.000 χ^2/NDF : 11263501.2/23

0.000+/-0.000 χ^2/NDF : 6292934.8/24

yield_atr1_mean vs Slug



Right In: 0.030 ± 0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039 ± 0.000 χ^2/NDF : 255429054.5/6

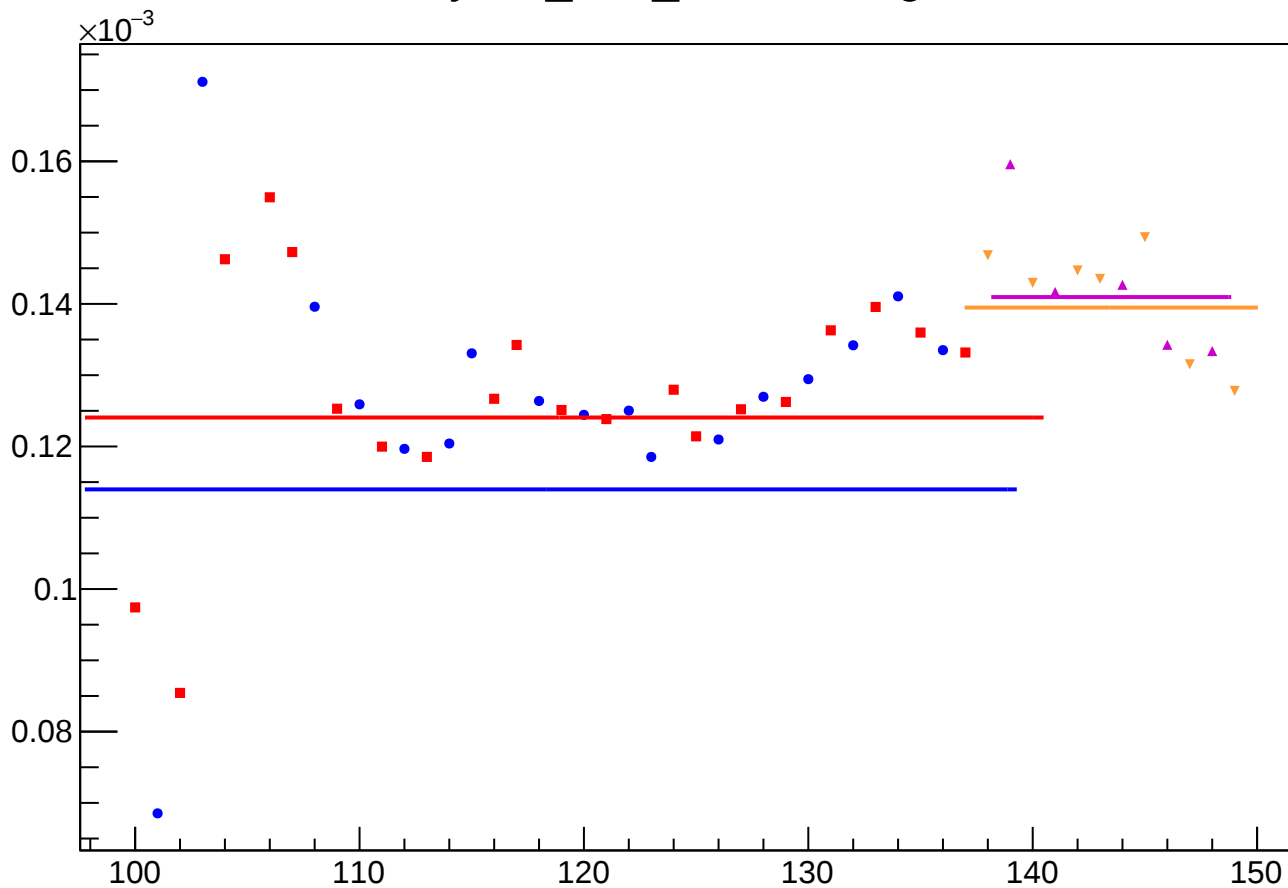
0.033 ± 0.000 χ^2/NDF : 109656556993.4/23

Right Out: 0.035 ± 0.000 χ^2/NDF : 43717644957.2/19

0.036 ± 0.000 χ^2/NDF : 45851528299.8/24

Left In: 0.038 ± 0.000 χ^2/NDF : 158020765.6/4

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 31669.9/6

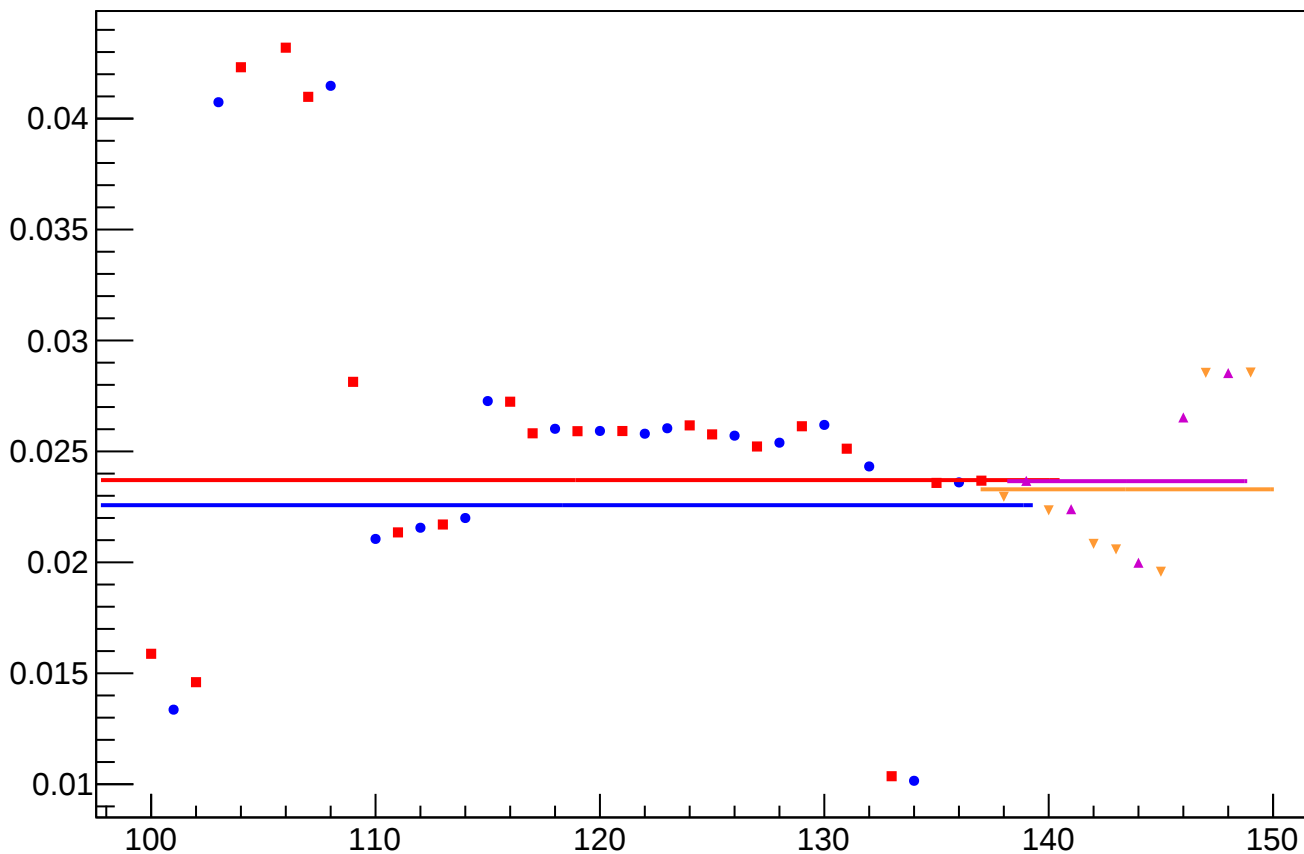
Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 28661.2/4

0.000+/-0.000 χ^2/NDF : 1035916.4/23

0.000+/-0.000 χ^2/NDF : 351325.9/24

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 : 931003875.8/6

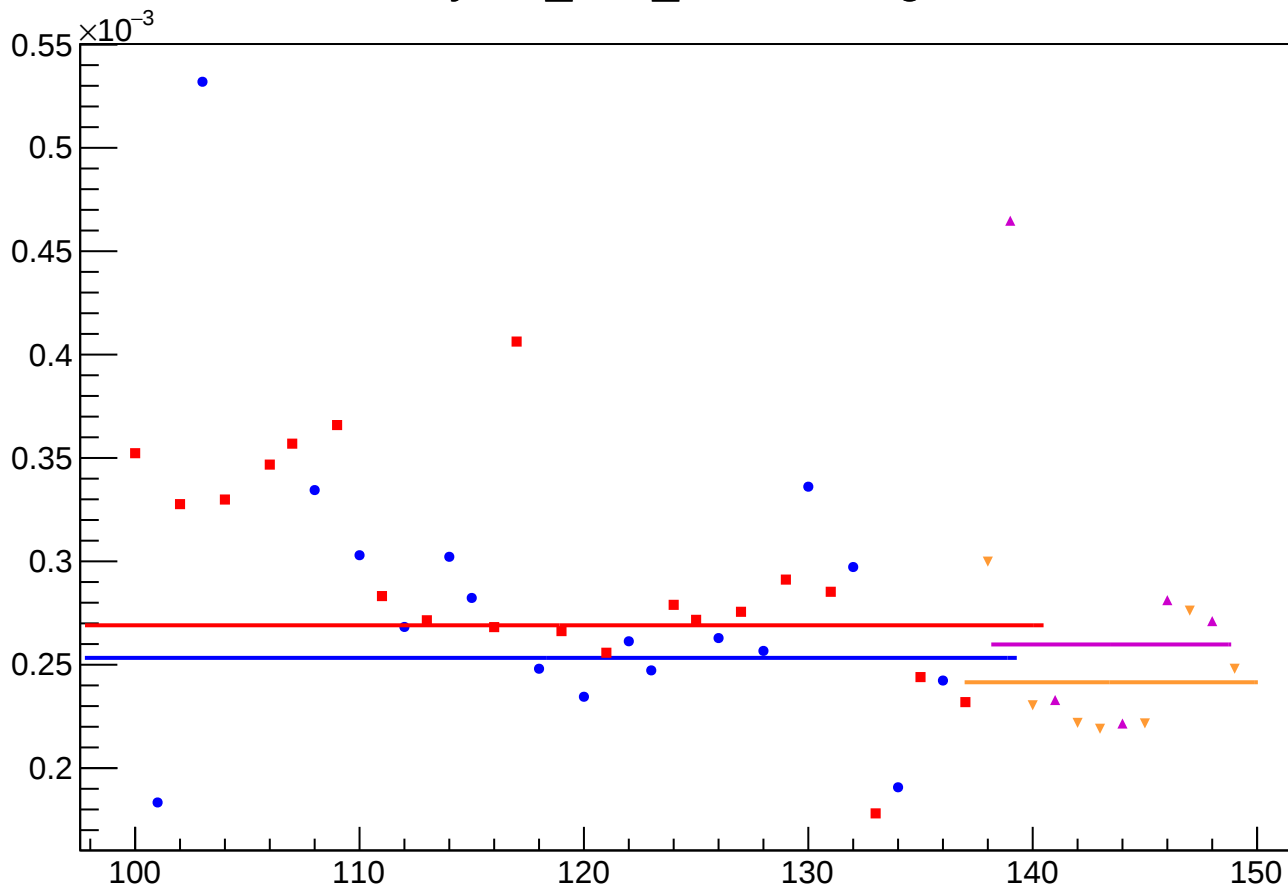
0.023+/-0.000 χ^2/NDF : 5199493897.8/23

Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

0.024+/-0.000 χ^2/NDF : 6206986790.6/24

Left In: 0.024+/-0.000 χ^2/NDF : 554405871.3/4

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 :102662.1/6

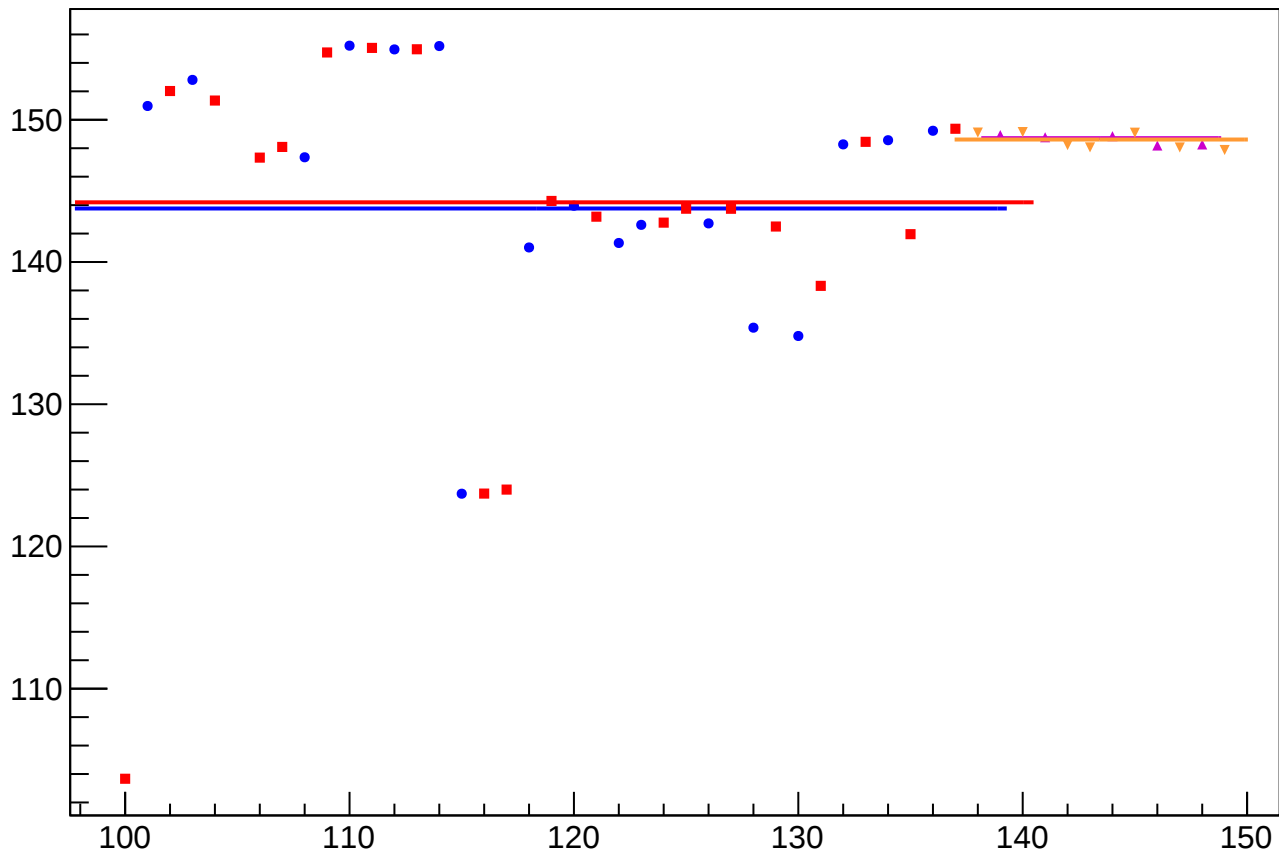
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF :350463.2/4

0.000+/-0.000 χ^2/NDF : 743097.2/23

0.000+/-0.000 χ^2/NDF : 793761.7/24

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.612 $\pm$ 0.000 χ^2 /NDF: 12072638.0/6

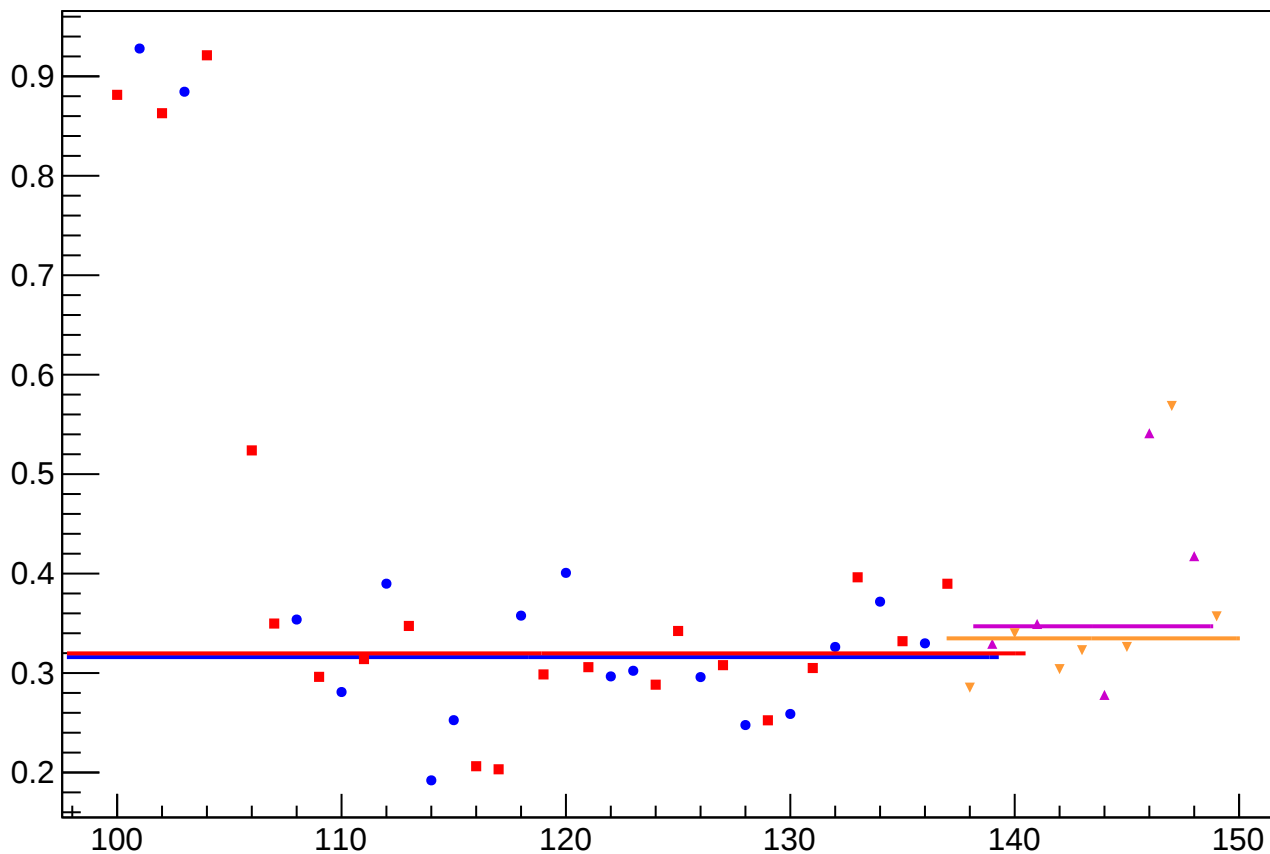
145.825 $\pm$ 0.000 χ^2 /NDF: 4102965908.2/23

Right Out: 144.197 $\pm$ 0.000 χ^2 /NDF: 4523139755.0/19

145.771 $\pm$ 0.000 χ^2 /NDF: 4933654872.6/24

Left In: 148.710 $\pm$ 0.000 χ^2 /NDF: 2101644.0/4

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 ± 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.335 ± 0.000 χ^2/NDF : 309269.4/6

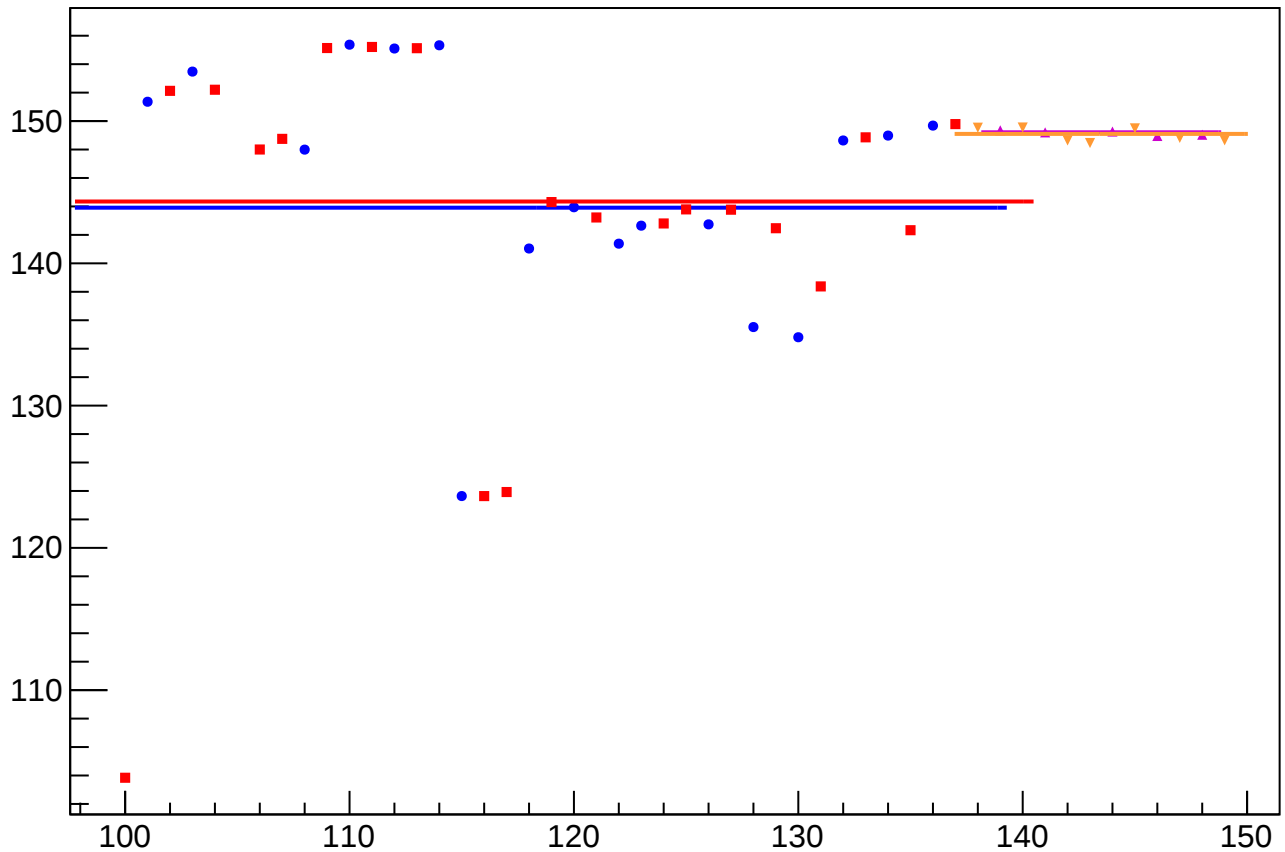
Right Out: 0.320 ± 0.000 χ^2/NDF : 1241752.3/19

Left In: 0.347 ± 0.000 χ^2/NDF : 354683.9/4

0.324 ± 0.000 χ^2/NDF : 1591978.7/23

0.329 ± 0.000 χ^2/NDF : 1626216.6/24

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 ± 0.000 χ^2/NDF : 3587769790.2/16

Left Out: 149.098 ± 0.000 χ^2/NDF : 8798142.8/6

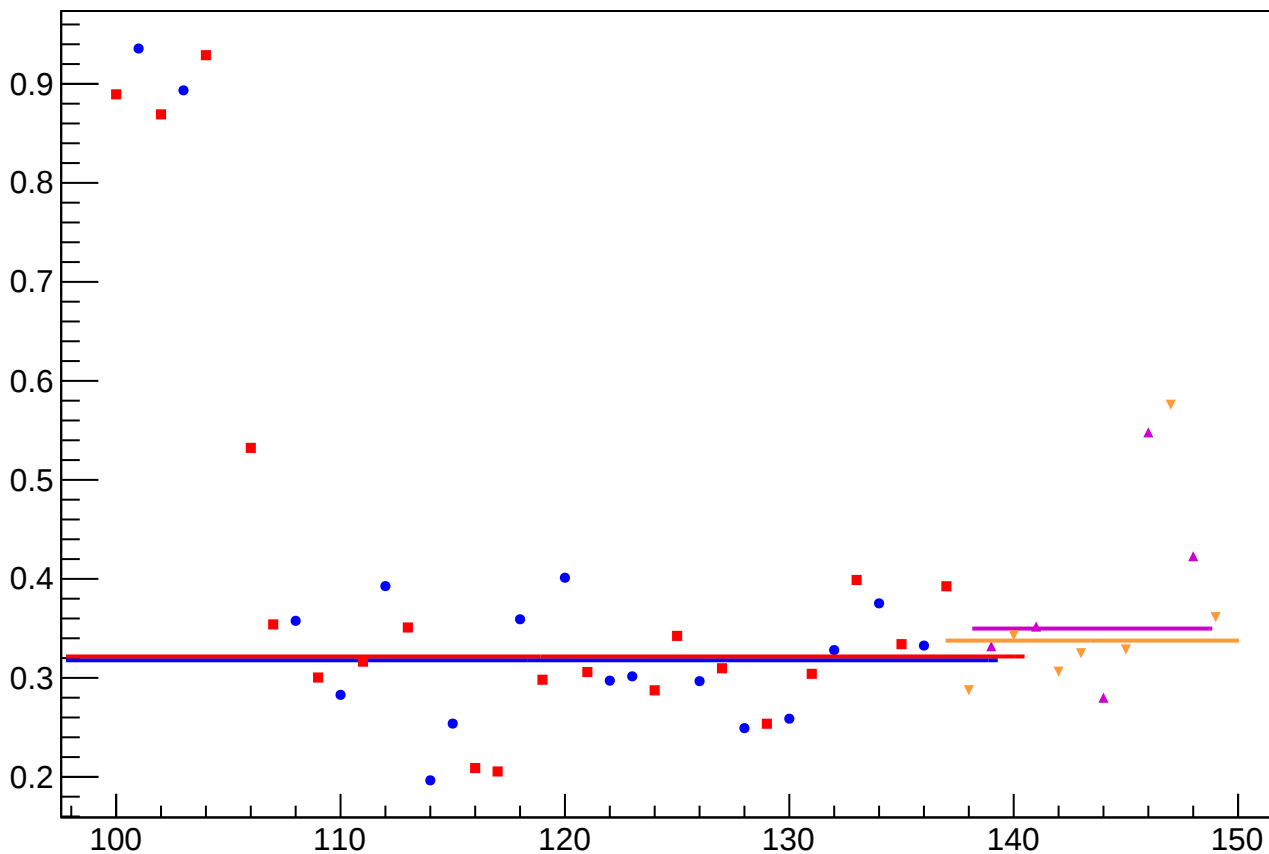
Right Out: 144.347 ± 0.000 χ^2/NDF : 4550581147.9/19

Left In: 149.212 ± 0.000 χ^2/NDF : 453081.7/4

146.110 ± 0.000 χ^2/NDF : 4223494257.1/23

146.038 ± 0.000 χ^2/NDF : 5018586962.1/24

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.338 ± 0.000 χ^2/NDF : 313826.1/6

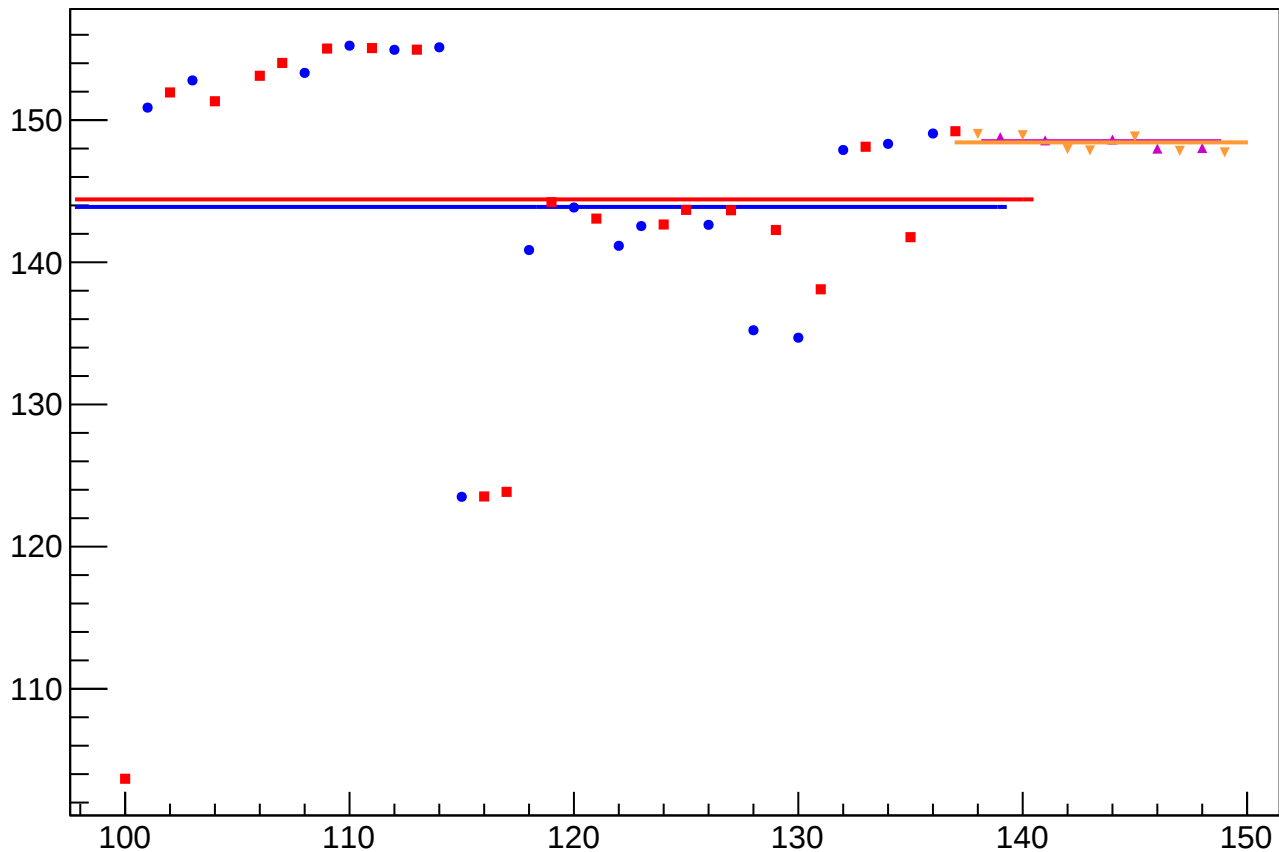
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244304.0/19

Left In: 0.350 ± 0.000 χ^2/NDF : 361142.8/4

0.326 ± 0.000 χ^2/NDF : 1600512.3/23

0.331 ± 0.000 χ^2/NDF : 1636818.7/24

yield_bcm_an_us_mean vs Slug



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16

Left Out: 148.432 $\pm$ 0.000 χ^2 /NDF:12649064.2/6

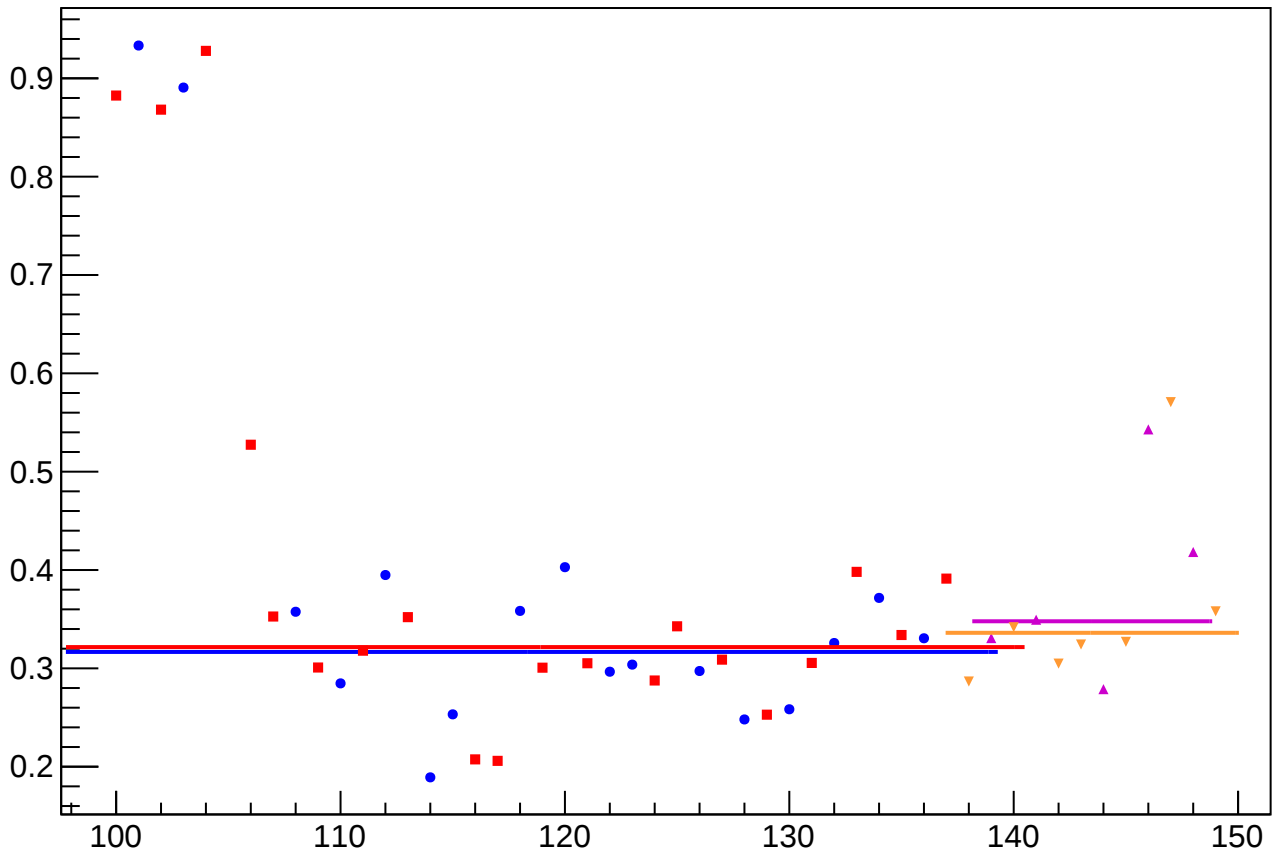
145.822 $\pm$ 0.000 χ^2 /NDF: 4249230216.9/23

Right Out: 144.423 $\pm$ 0.000 χ^2 /NDF: 4819194675.6/19

145.858 $\pm$ 0.000 χ^2 /NDF: 5155574738.8/24

Left In: 148.519 $\pm$ 0.000 χ^2 /NDF:2390747.4/4

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.336 ± 0.000 χ^2/NDF : 308918.5/6

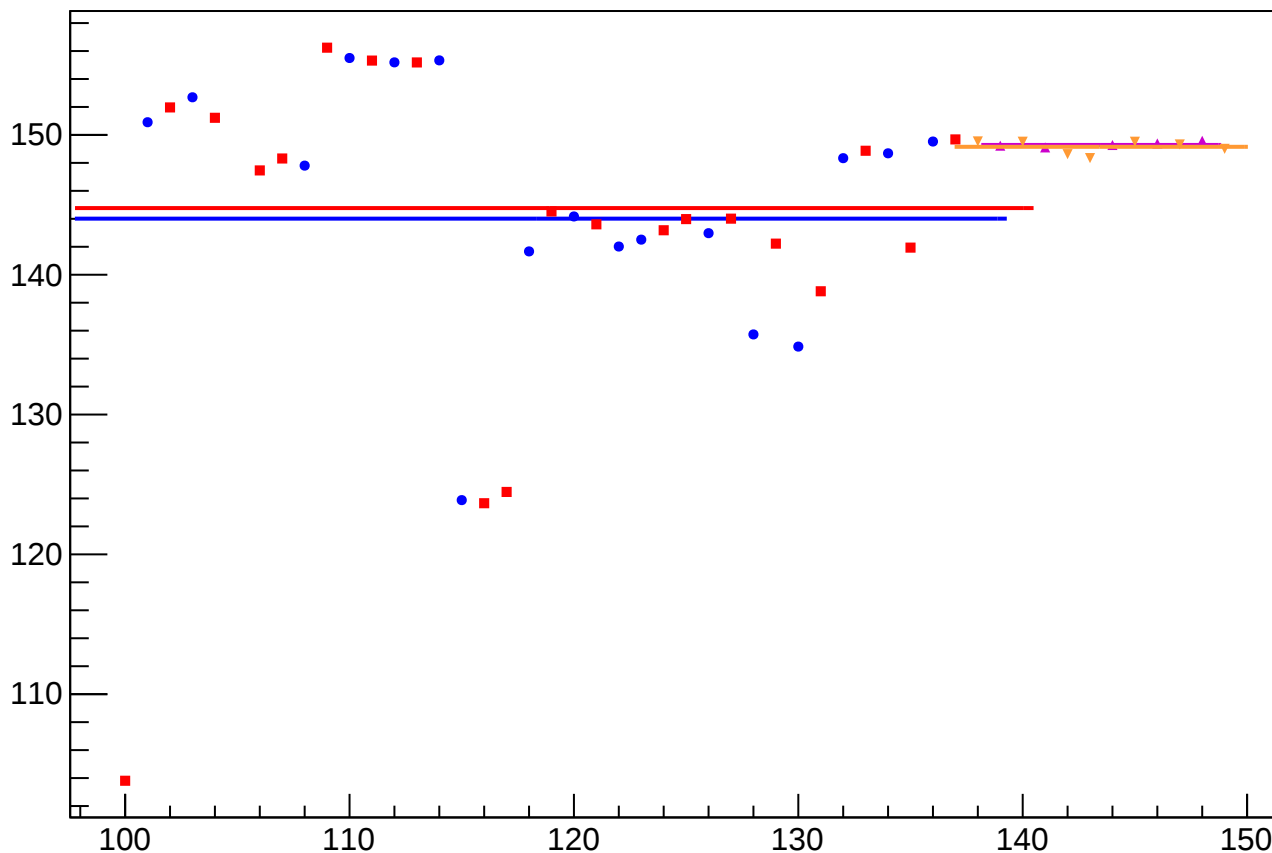
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244671.1/19

Left In: 0.348 ± 0.000 χ^2/NDF : 354431.6/4

0.325 ± 0.000 χ^2/NDF : 1607045.1/23

0.331 ± 0.000 χ^2/NDF : 1626536.9/24

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 ± 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 149.150 ± 0.000 χ^2/NDF : 7438925.1/6

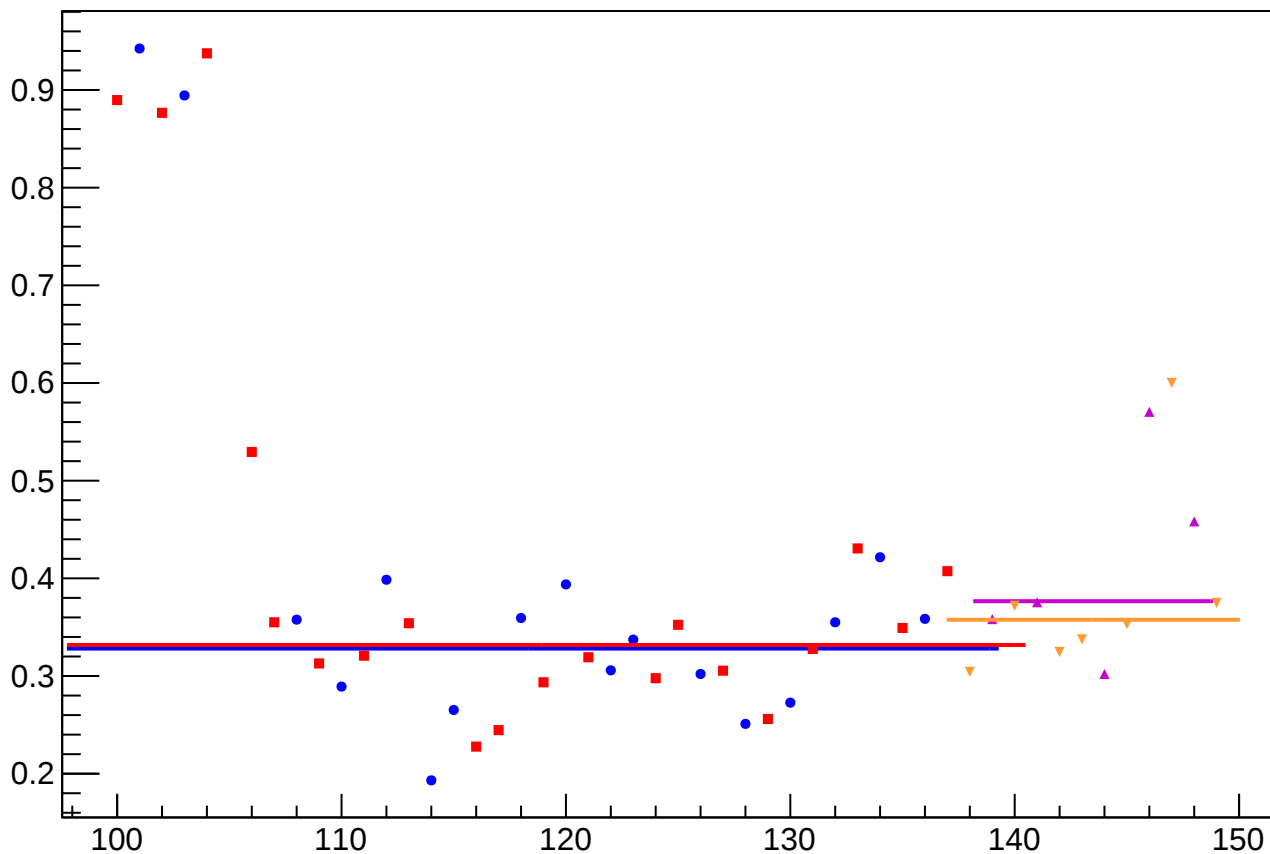
Right Out: 144.767 ± 0.000 χ^2/NDF : 4097482970.1/19

Left In: 149.283 ± 0.000 χ^2/NDF : 535880.6/4

146.122 ± 0.000 χ^2/NDF : 3805509876.5/23

146.250 ± 0.000 χ^2/NDF : 4455474425.7/24

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.358 ± 0.000 χ^2/NDF : 300401.7/6

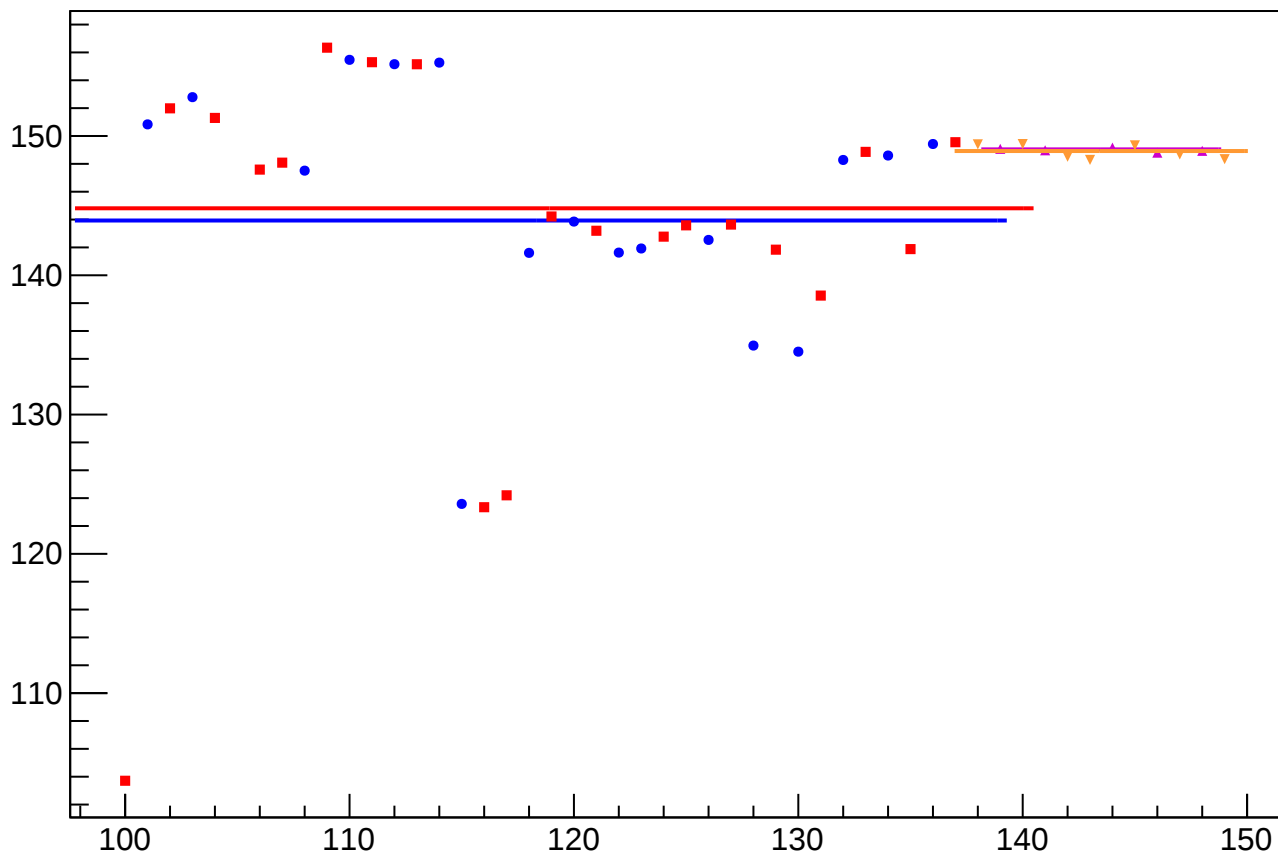
Right Out: 0.332 ± 0.000 χ^2/NDF : 1194167.8/19

Left In: 0.377 ± 0.000 χ^2/NDF : 334686.8/4

0.340 ± 0.000 χ^2/NDF : 1602916.7/23

0.347 ± 0.000 χ^2/NDF : 1599277.4/24

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 148.921 $\pm$ 0.000 χ^2 /NDF: 8929637.6/6

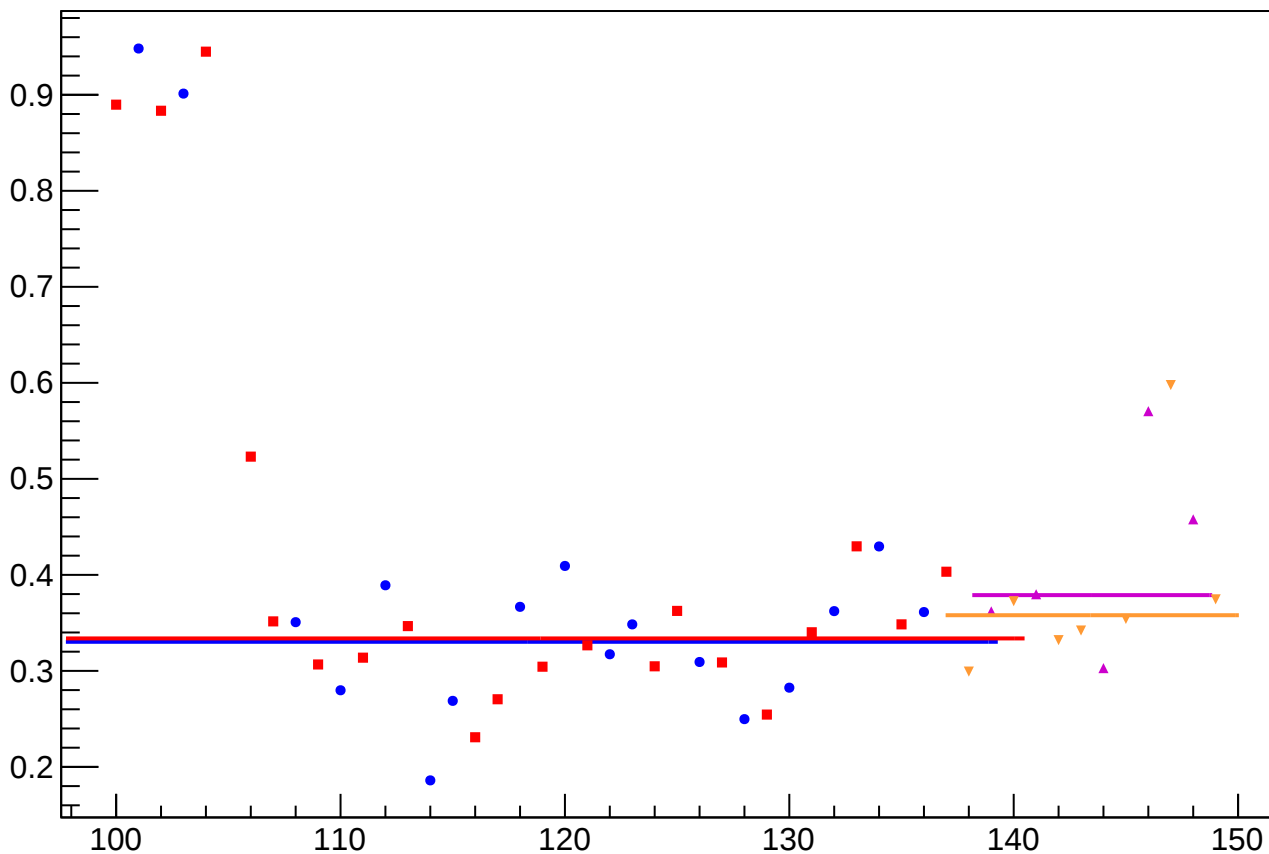
Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

Left In: 149.040 $\pm$ 0.000 χ^2 /NDF: 351305.8/4

145.994 $\pm$ 0.000 χ^2 /NDF: 3910882893.6/23

146.195 $\pm$ 0.000 χ^2 /NDF: 4447369527.6/24

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.358 ± 0.000 χ^2/NDF : 301314.7/6

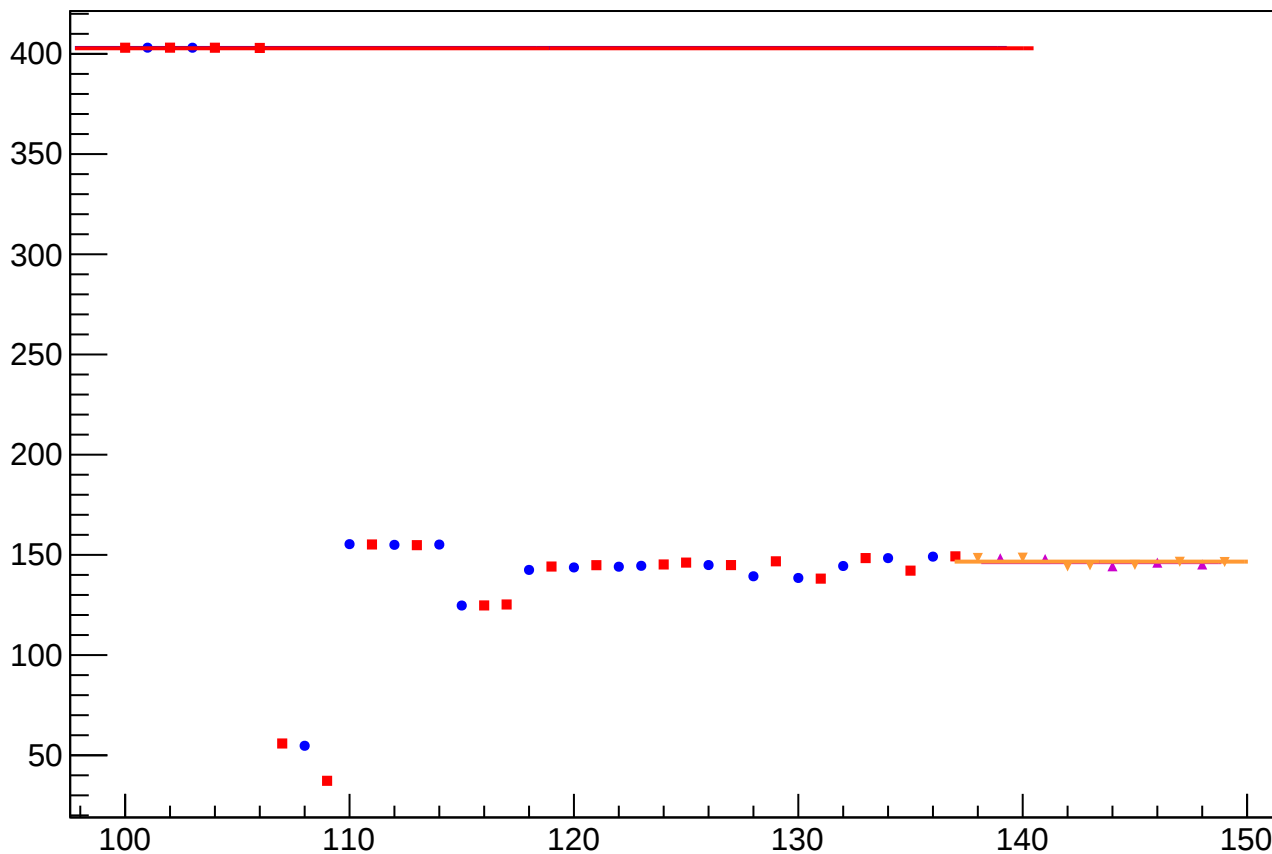
Right Out: 0.334 ± 0.000 χ^2/NDF : 1177889.1/19

Left In: 0.379 ± 0.000 χ^2/NDF : 328754.3/4

0.342 ± 0.000 χ^2/NDF : 1617197.4/23

0.349 ± 0.000 χ^2/NDF : 1576891.6/24

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.636+/-0.000 χ^2/NDF : 21627060.1/6

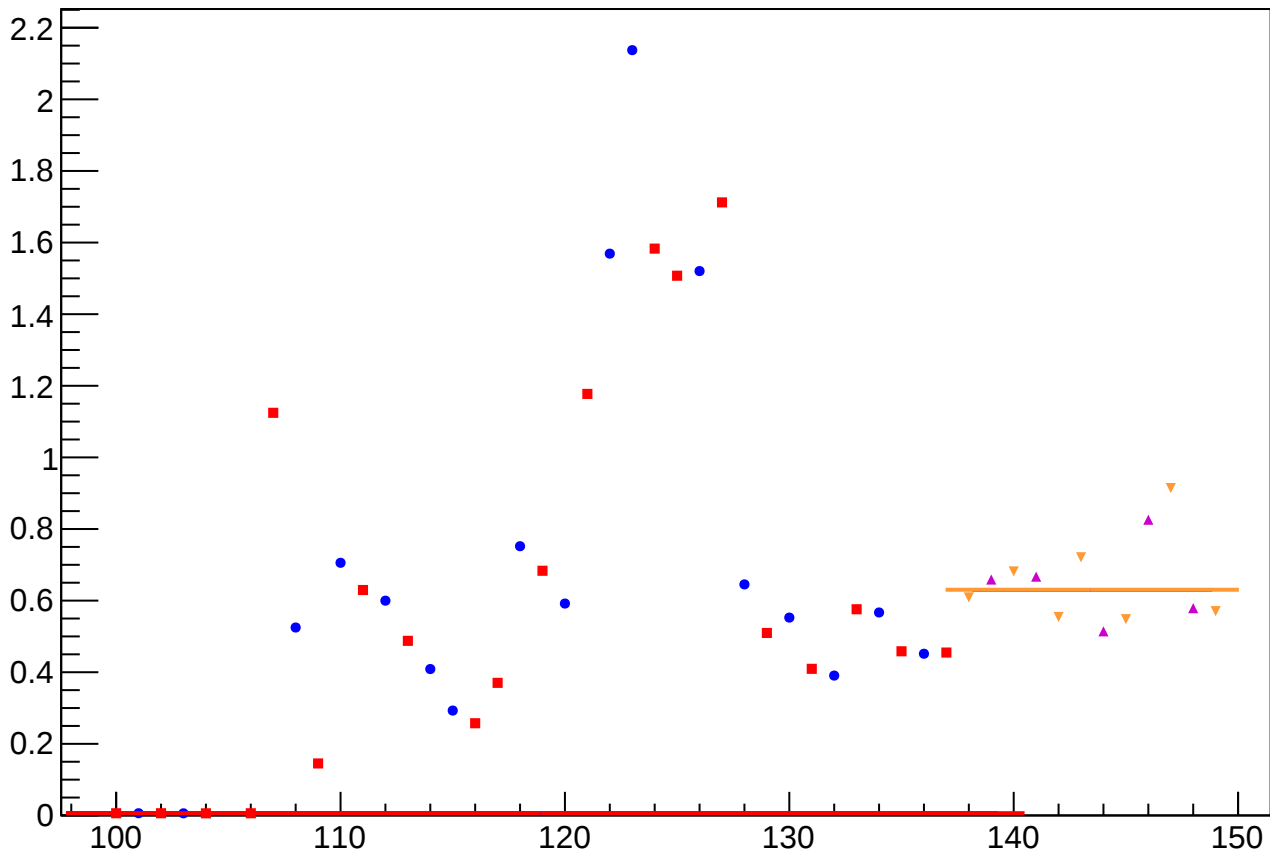
Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

Left In: 146.374+/-0.000 χ^2/NDF : 17771370.0/4

402.891+/-0.000 χ^2/NDF : 1623447786400.6/23

402.748+/-0.000 χ^2/NDF : 3559944038438.9/24

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.630+/-0.000 χ^2/NDF :157923.0/6

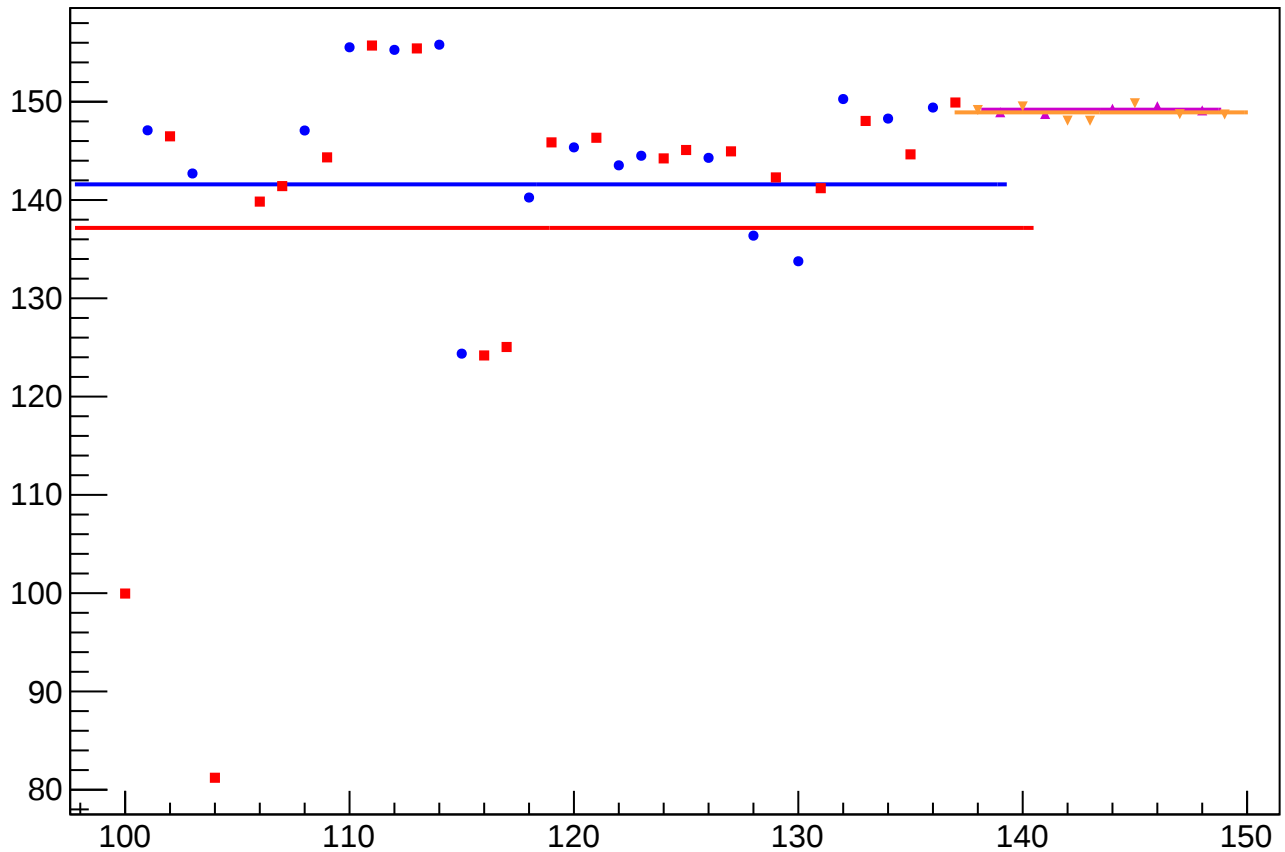
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.630+/-0.000 χ^2/NDF :119246.1/4

0.006+/-0.000 χ^2/NDF : 15508557.2/23

0.006+/-0.000 χ^2/NDF : 14566995.7/24

yield_cav4cQ_mean vs Slug



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.917 ± 0.000 χ^2/NDF : 6722882.3/6

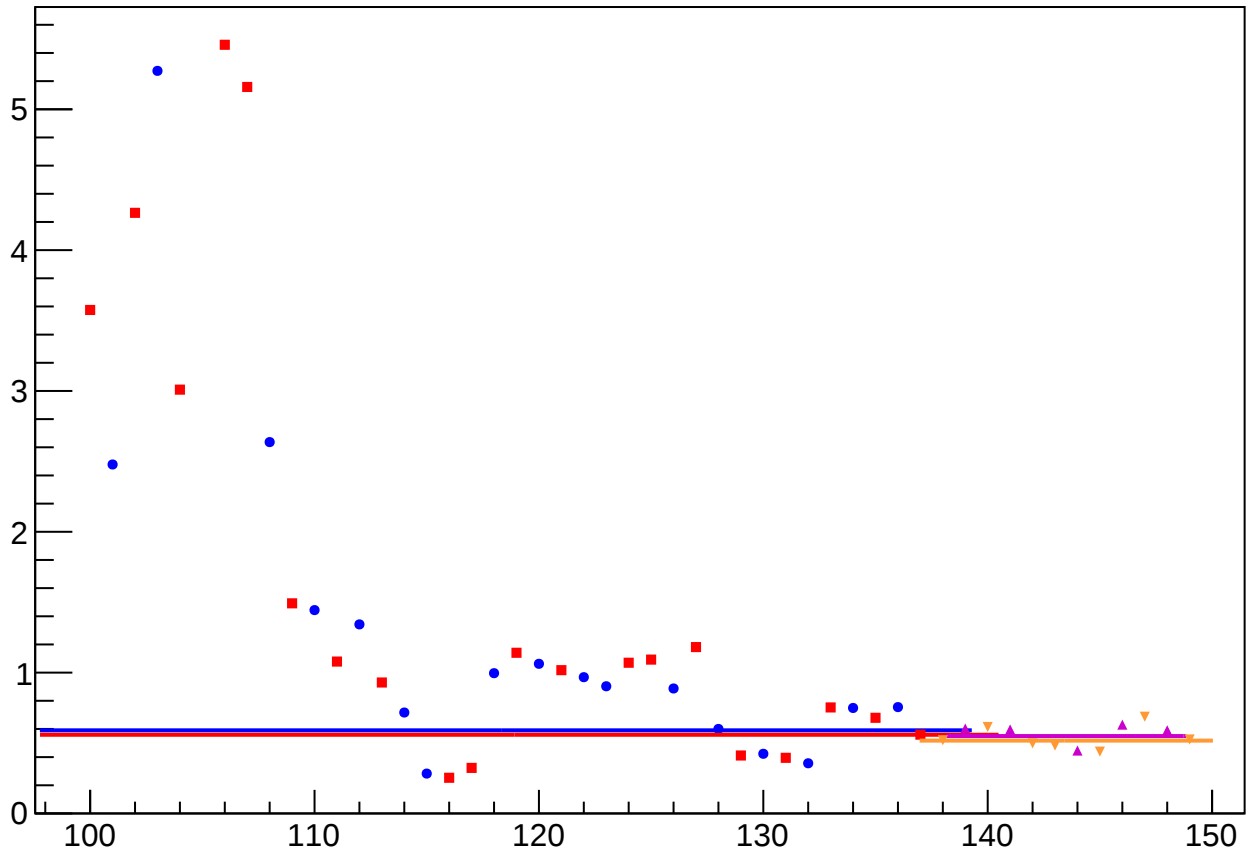
Right Out: 137.162 ± 0.000 χ^2/NDF : 1366089515.6/19

Left In: 149.191 ± 0.000 χ^2/NDF : 635720.6/4

145.916 ± 0.000 χ^2/NDF : 1306438919.6/23

143.007 ± 0.000 χ^2/NDF : 2136759386.6/24

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.517 ± 0.000 χ^2/NDF : 162676.3/6

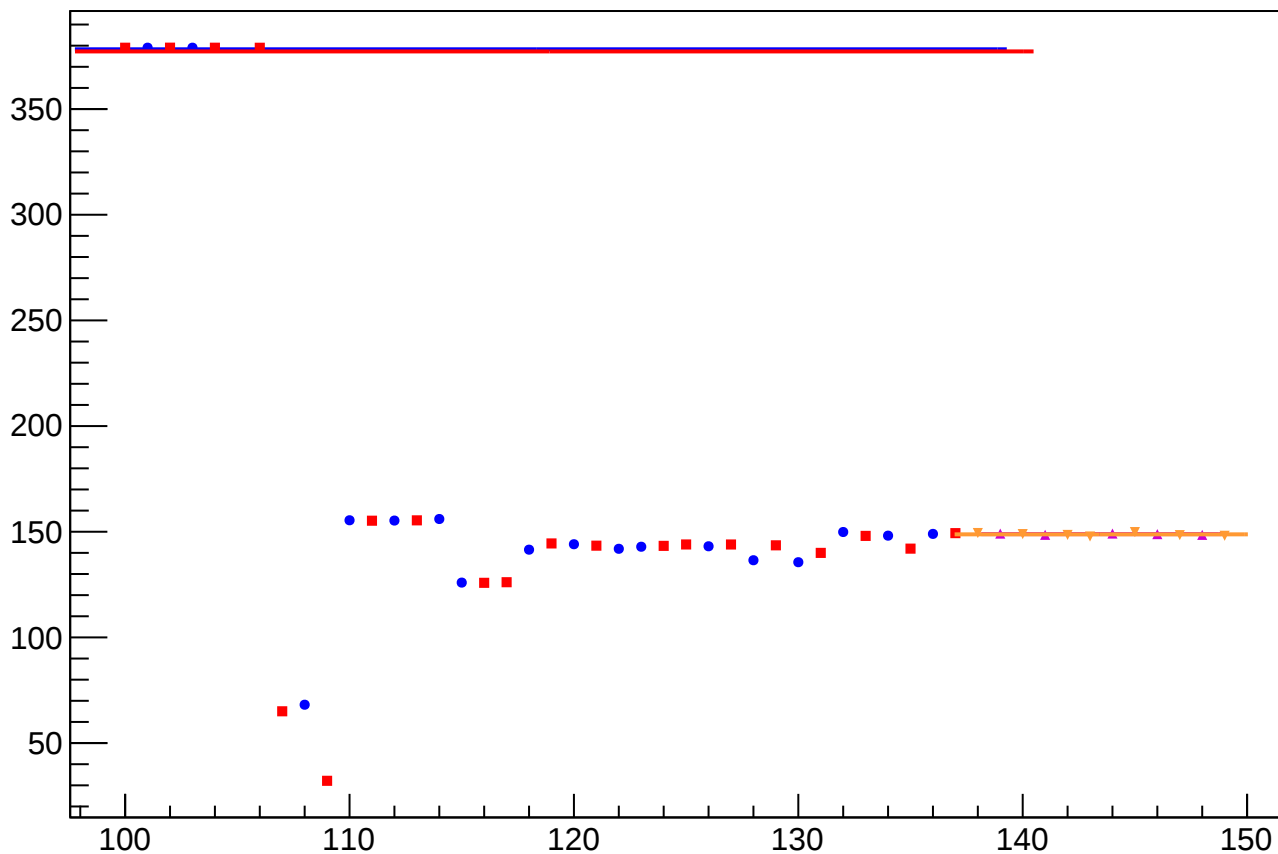
Right Out: 0.559 ± 0.000 χ^2/NDF : 4721291.1/19

Left In: 0.550 ± 0.000 χ^2/NDF : 123800.8/4

0.547 ± 0.000 χ^2/NDF : 3718197.9/23

0.554 ± 0.000 χ^2/NDF : 4845973.8/24

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.768+/-0.000 χ^2/NDF : 16211298.6/6

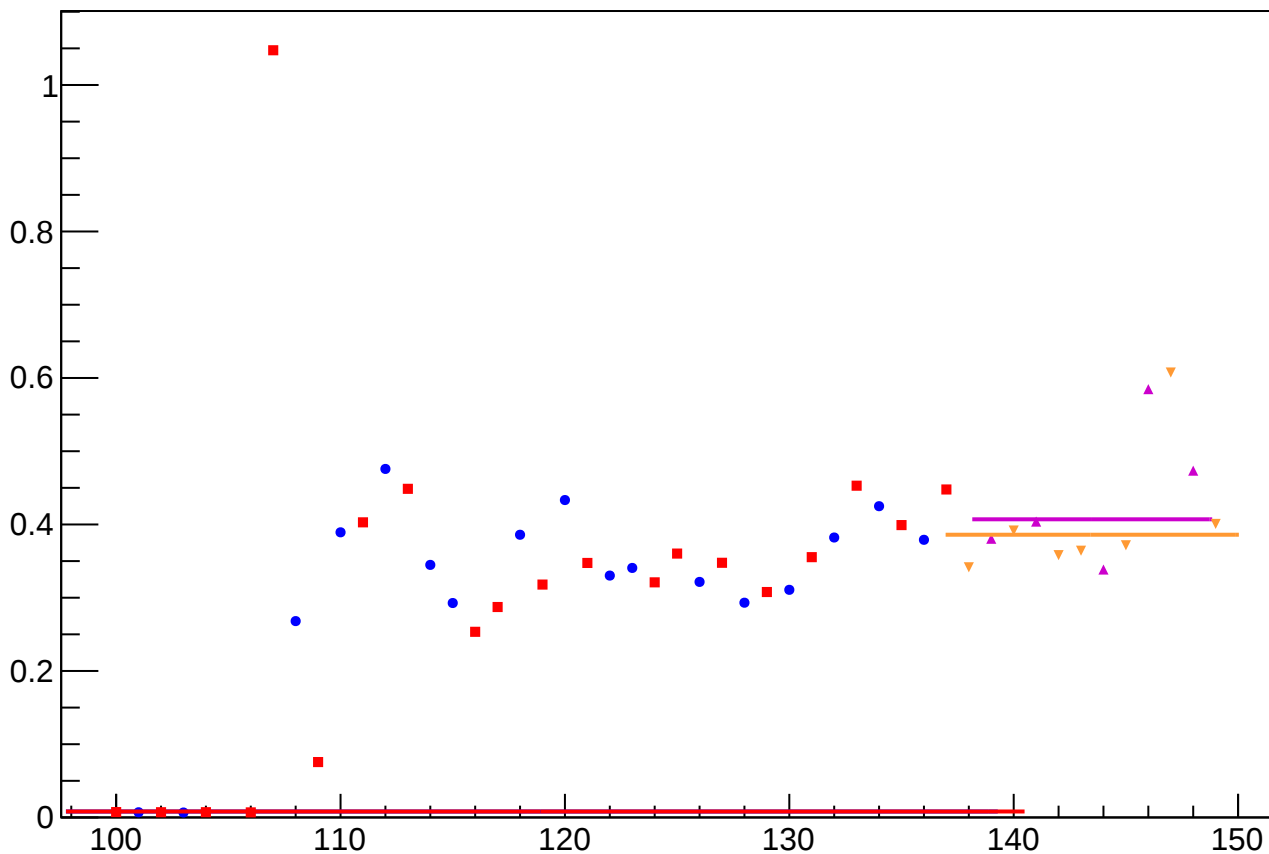
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.889+/-0.000 χ^2/NDF : 1781211.8/4

377.742+/-0.000 χ^2/NDF : 4160451015502.9/23

376.936+/-0.000 χ^2/NDF : 9505430923782.5/24

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.386 $\pm$ 0.000 χ^2/NDF : 234582.4/6

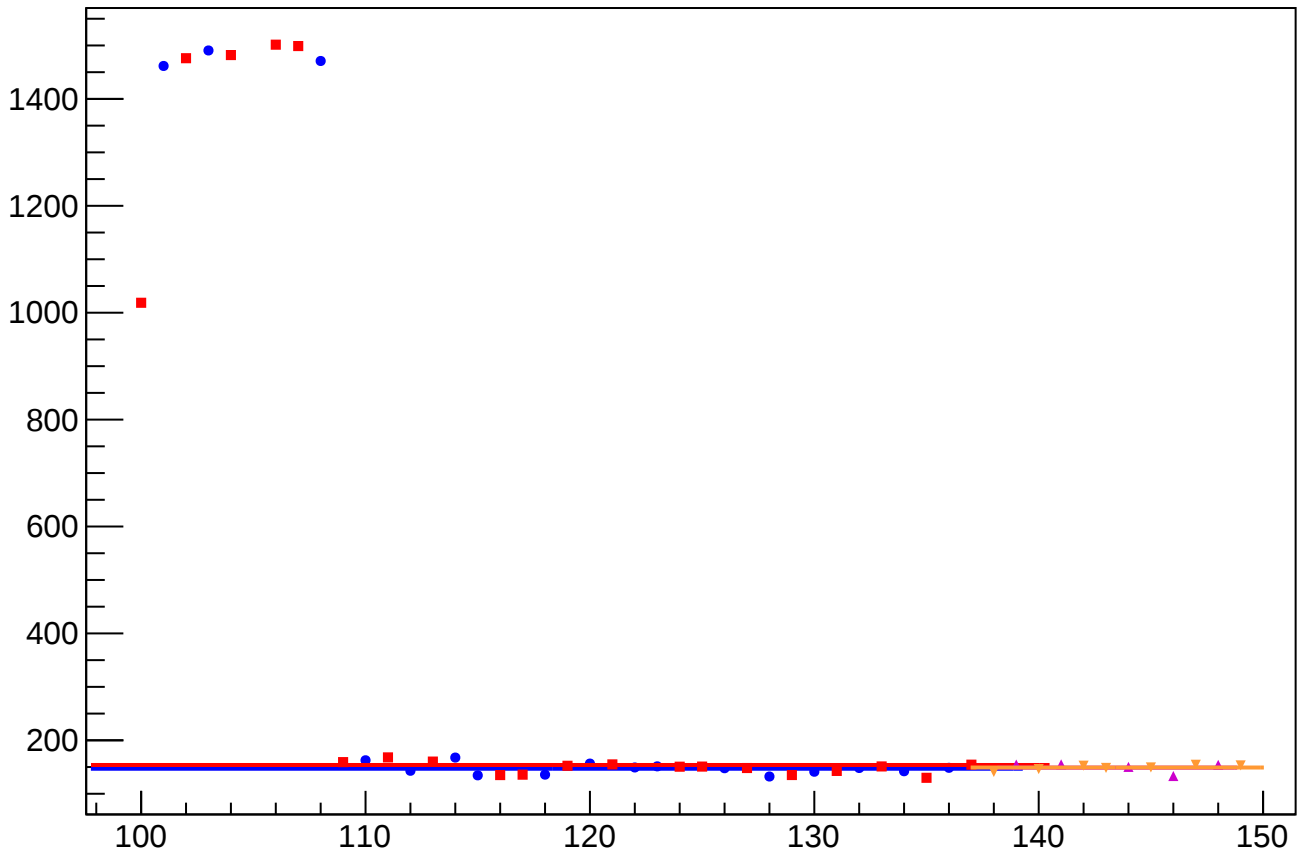
Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9589375.6/19

Left In: 0.407 $\pm$ 0.000 χ^2/NDF : 253940.6/4

0.009 $\pm$ 0.000 χ^2/NDF : 18997946.0/23

0.009 $\pm$ 0.000 χ^2/NDF : 17116673.5/24

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 149.096+/-0.000 χ^2/NDF : 96353205.2/6

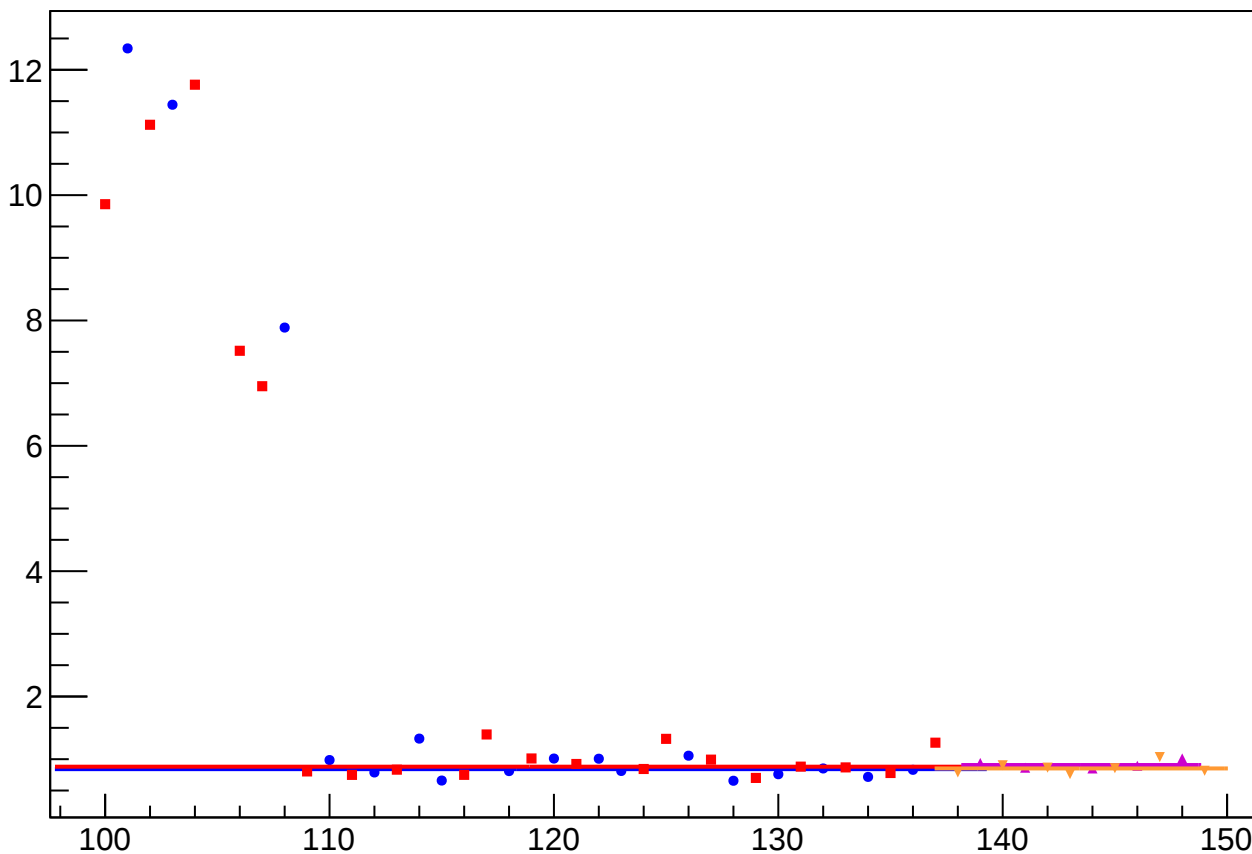
147.929+/-0.000 χ^2/NDF : 24470577457.1/23

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

151.721+/-0.000 χ^2/NDF : 34084341268.2/24

Left In: 148.840+/-0.001 χ^2/NDF : 284179566.5/4

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.852 ± 0.000 χ^2/NDF : 67543.7/6

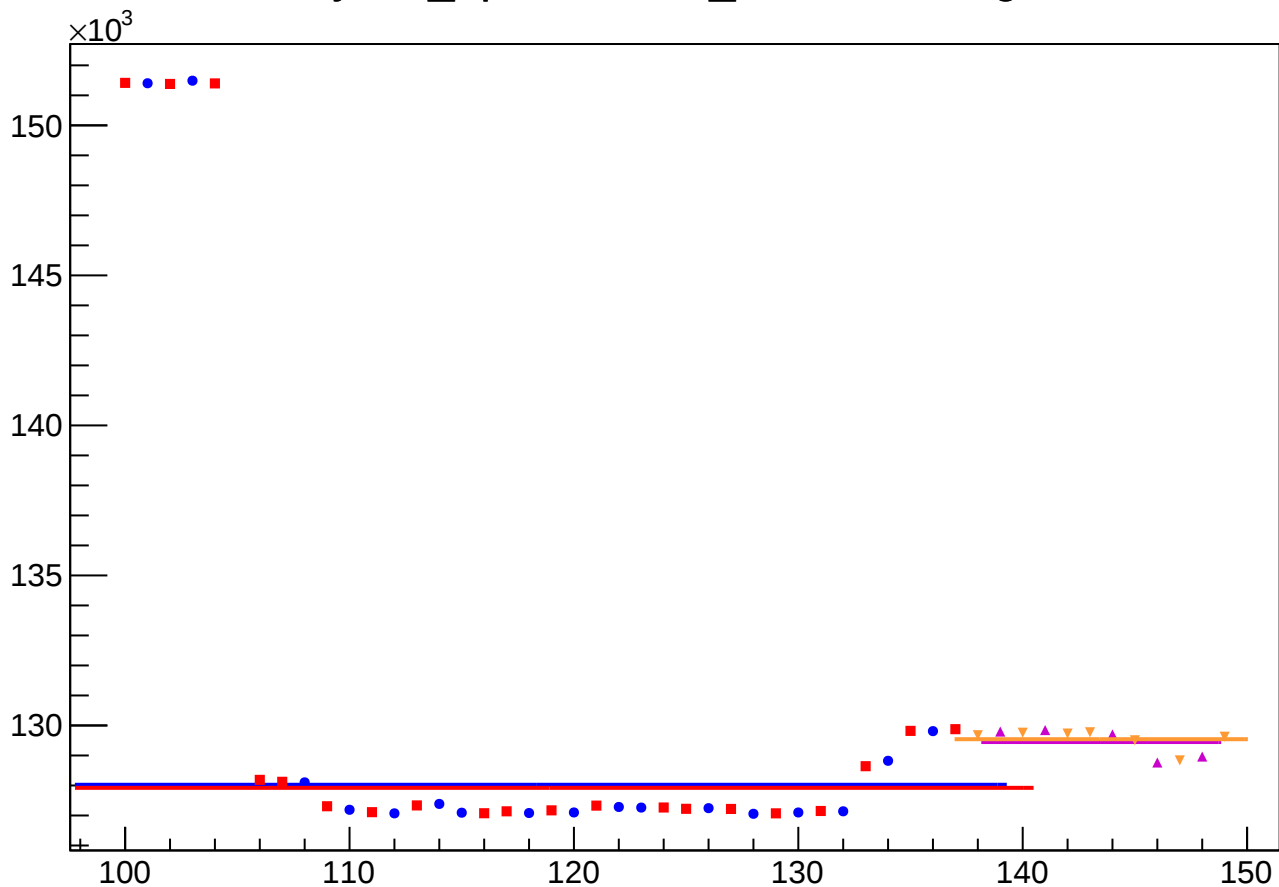
Right Out: 0.880 ± 0.000 χ^2/NDF : 2825356.7/19

Left In: 0.907 ± 0.000 χ^2/NDF : 25632.3/4

0.847 ± 0.000 χ^2/NDF : 2730585.2/23

0.891 ± 0.000 χ^2/NDF : 2854158.0/24

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129542.069 $\pm$ 0.076 χ^2 /NDF: 18677495.1/6

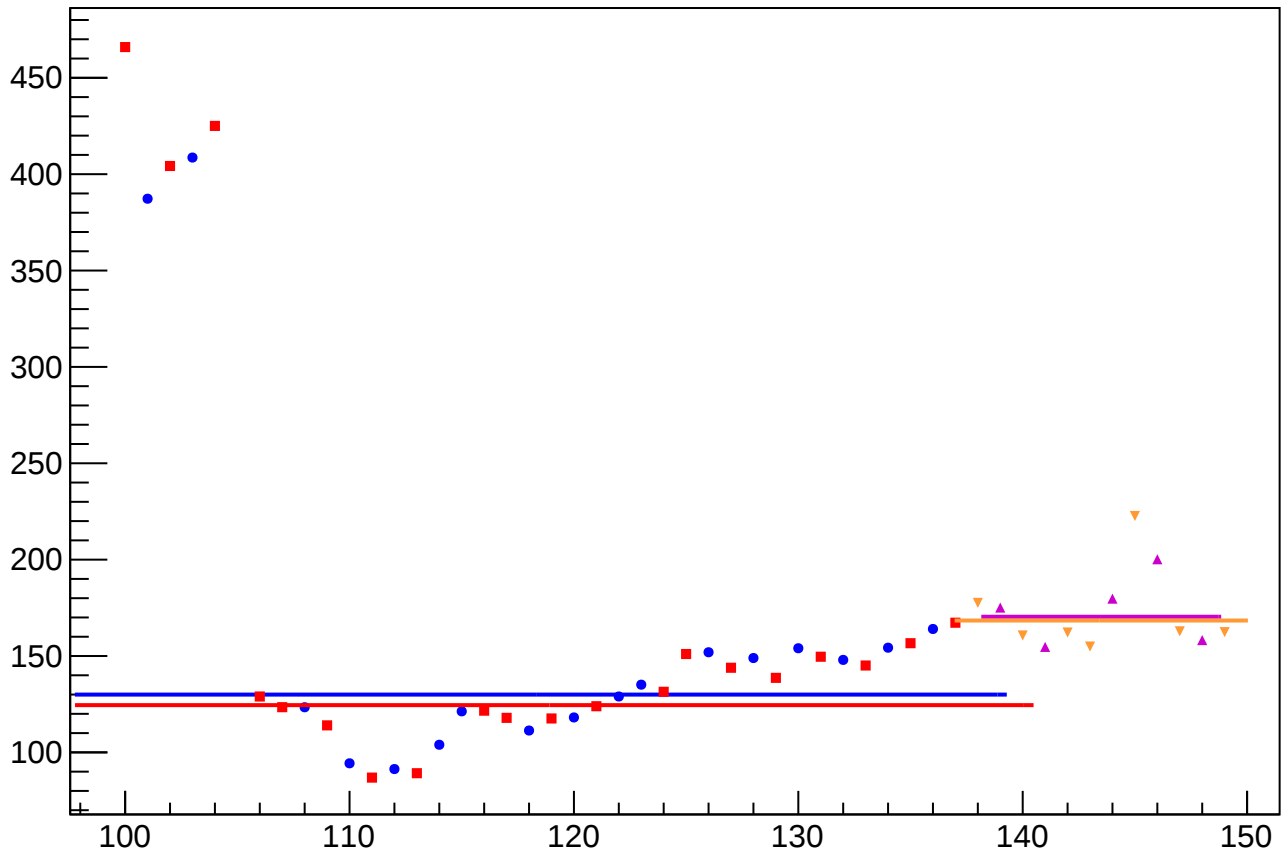
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129448.029 $\pm$ 0.086 χ^2 /NDF: 26686820.0/4

128535.325 $\pm$ 0.044 χ^2 /NDF: 4596506790.3/23

128311.280 $\pm$ 0.043 χ^2 /NDF: 4032147701.3/24

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 168.411 $\pm$ 0.054 χ^2 /NDF:113466.4/6

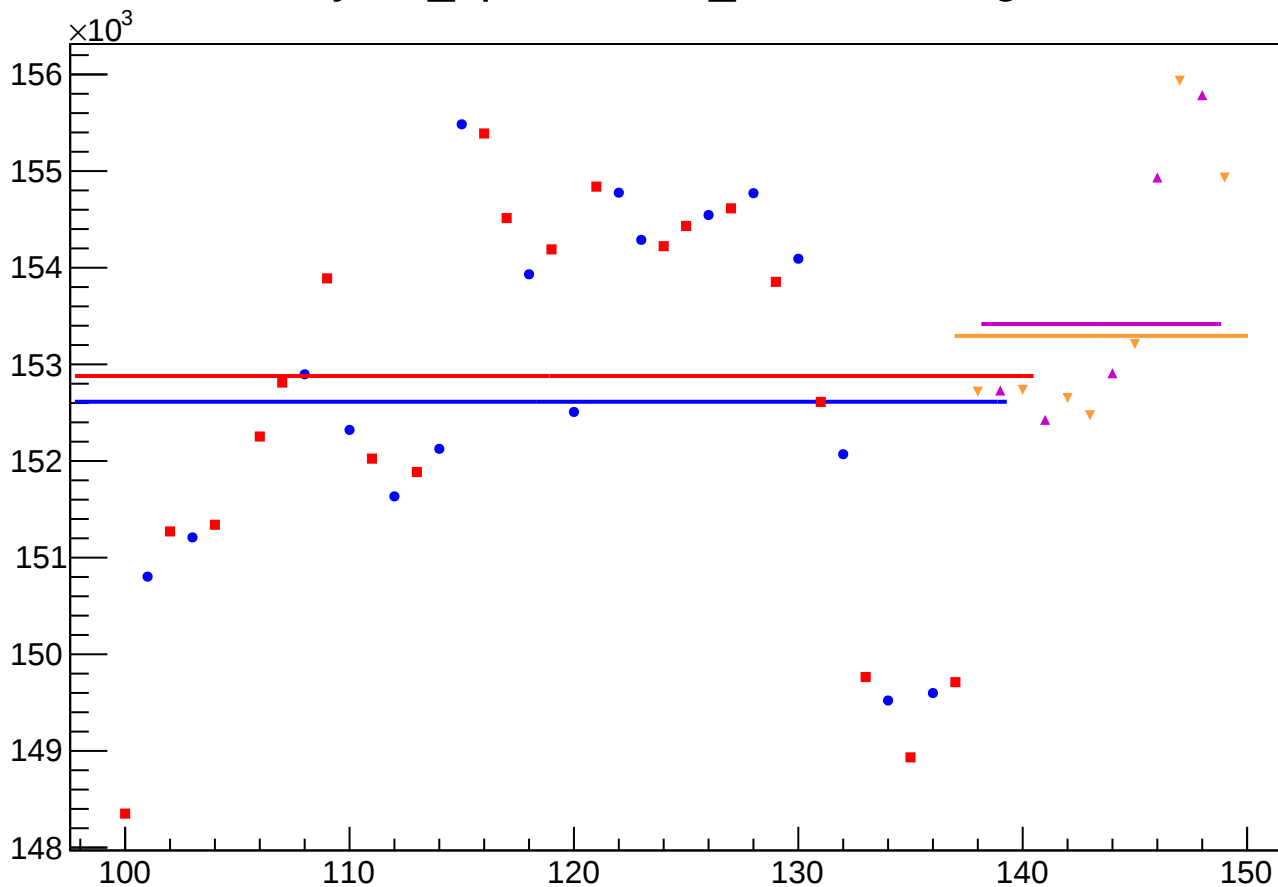
Right Out: 124.514 $\pm$ 0.035 χ^2 /NDF: 1531546.7/19

Left In: 170.374 $\pm$ 0.061 χ^2 /NDF:66846.7/4

142.932 $\pm$ 0.031 χ^2 /NDF: 1933703.2/23

136.228 $\pm$ 0.031 χ^2 /NDF: 2025155.0/24

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153294.725 $\pm$ 0.086 χ^2 /NDF: 163551164.7/6

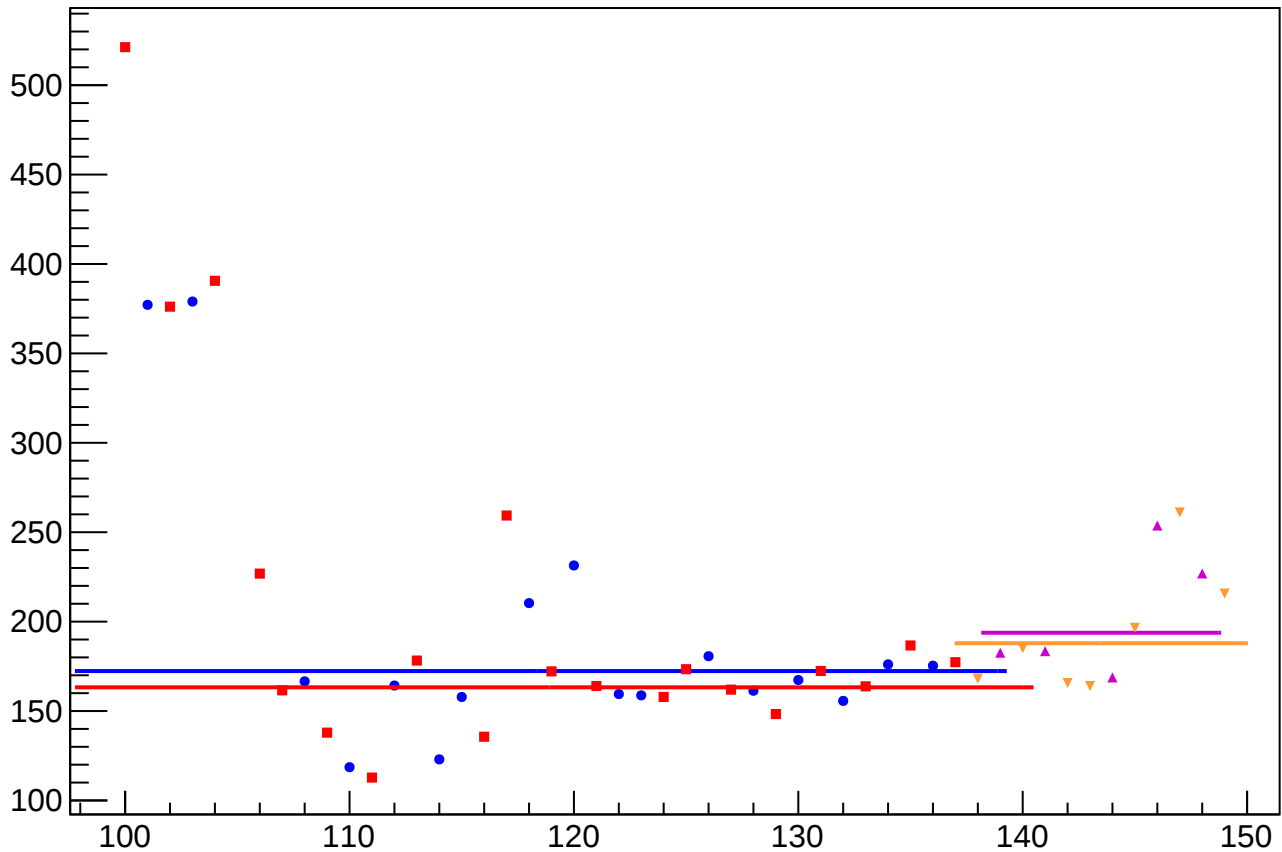
Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

Left In: 153417.878 $\pm$ 0.098 χ^2 /NDF: 155690990.3/4

152894.647 $\pm$ 0.055 χ^2 /NDF: 823650532.1/23

153047.125 $\pm$ 0.055 χ^2 /NDF: 894252206.6/24

yield_bpm0i07WS_rms vs Slug



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 187.915+/-0.061 χ^2/NDF : 214321.9/6

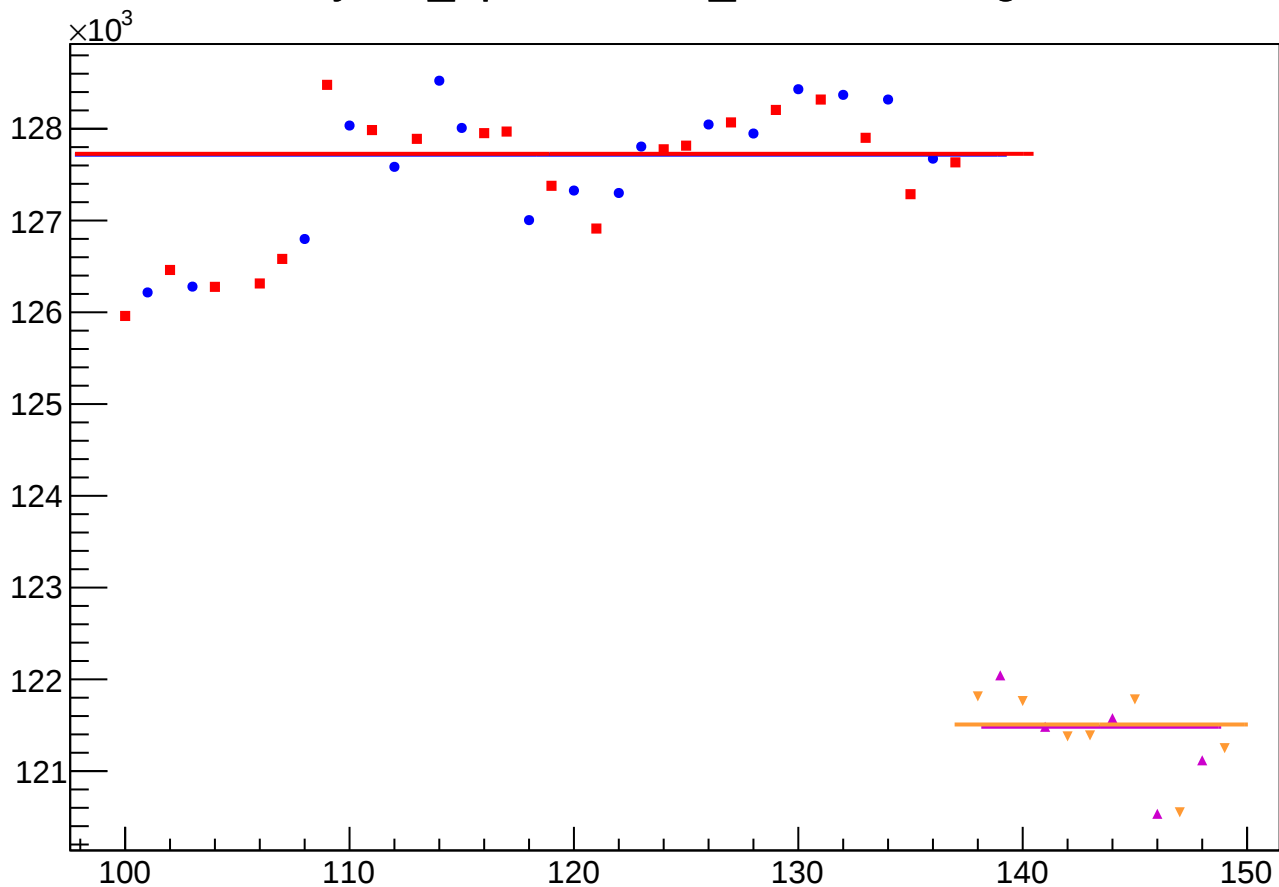
Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

Left In: 193.787+/-0.070 χ^2/NDF : 168934.7/4

178.780+/-0.039 χ^2/NDF : 1174549.4/23

172.775+/-0.039 χ^2/NDF : 1345047.6/24

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 ± 0.058 $\chi^2/\text{NDF}: 95177660.2/16$

Left Out: 121508.022 ± 0.073 $\chi^2/\text{NDF}: 20478388.3/6$

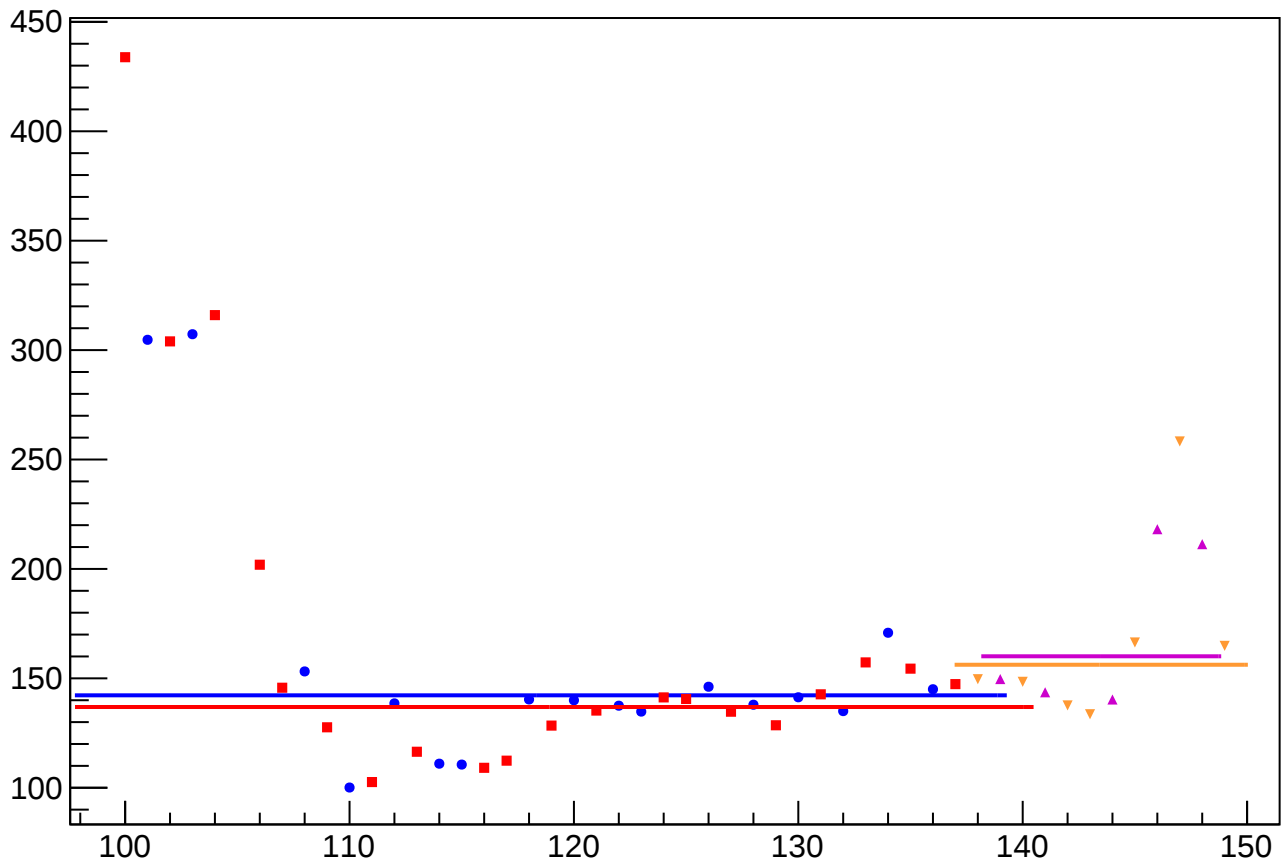
Right Out: 127726.969 ± 0.054 $\chi^2/\text{NDF}: 112752557.5/19$

Left In: 121483.562 ± 0.082 $\chi^2/\text{NDF}: 27349465.8/4$

125281.189 ± 0.045 $\chi^2/\text{NDF}: 4569934215.0/23$

125828.917 ± 0.045 $\chi^2/\text{NDF}: 4166819007.1/24$

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 ± 0.041 χ^2/NDF : 836415.1/16

Left Out: 156.210 ± 0.051 χ^2/NDF : 308850.0/6

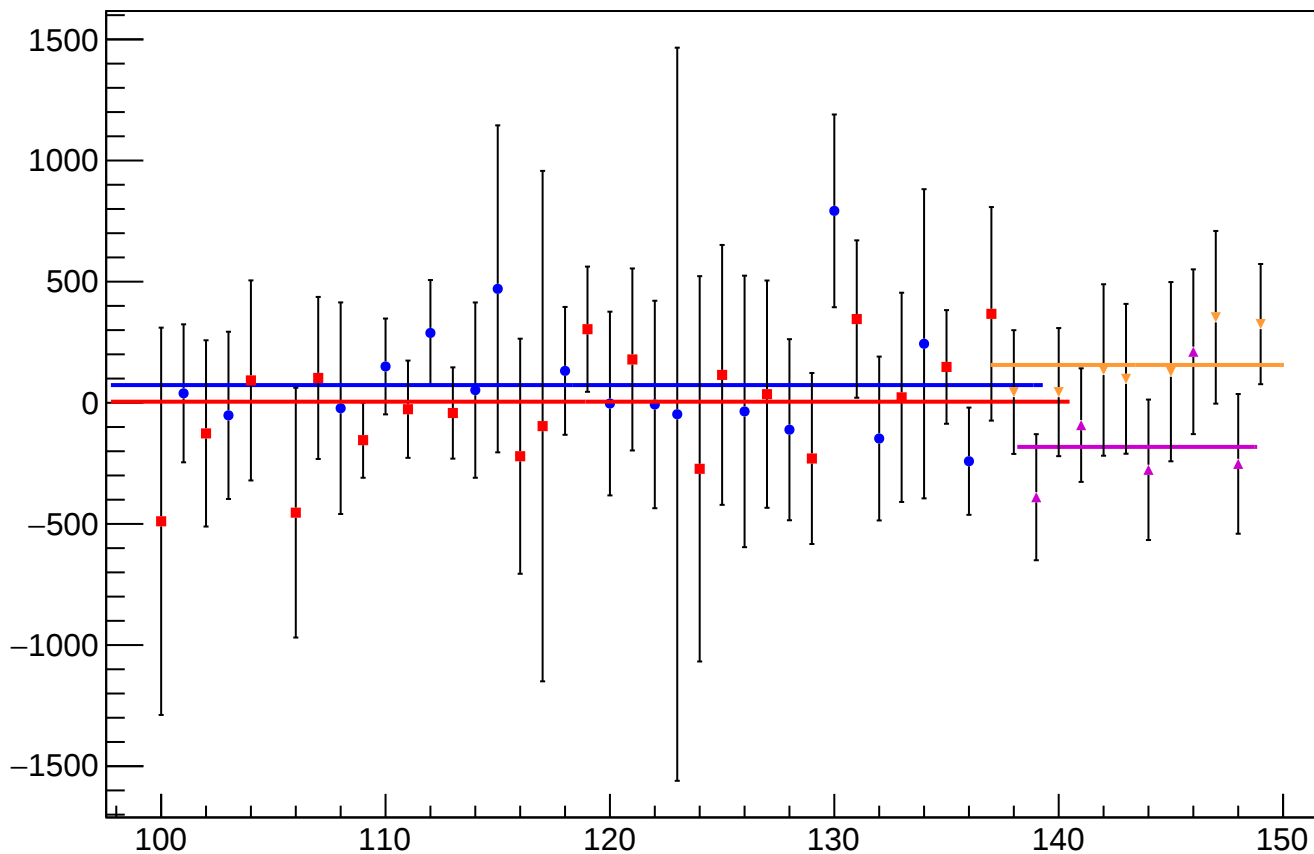
Right Out: 136.904 ± 0.038 χ^2/NDF : 961858.5/19

Left In: 160.079 ± 0.058 χ^2/NDF : 262922.5/4

147.722 ± 0.032 χ^2/NDF : 1190352.2/23

143.949 ± 0.032 χ^2/NDF : 1335748.4/24

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 156.233+/-112.144 χ^2/NDF : 1.2/6

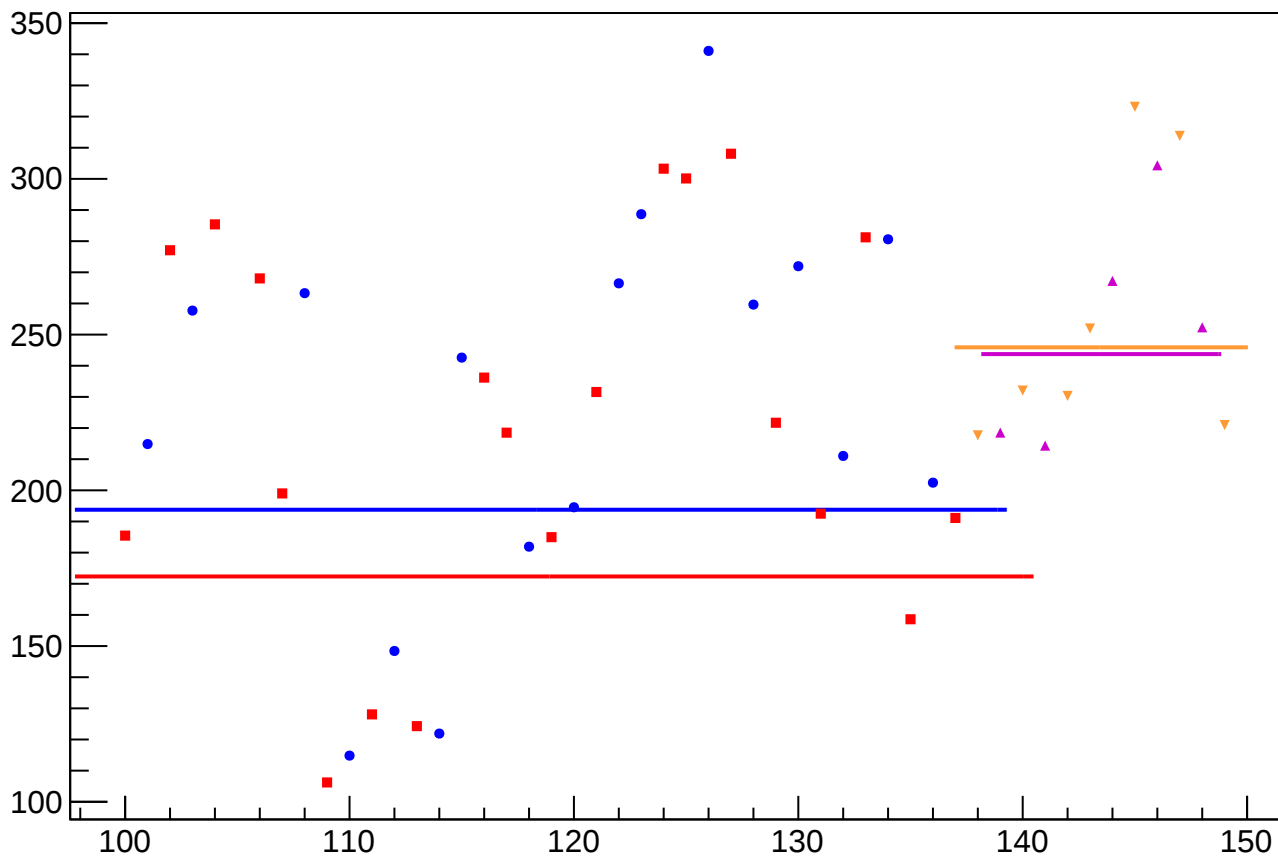
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -182.066+/-123.508 χ^2/NDF : 2.3/4

100.960+/-64.913 χ^2/NDF : 9.4/23

-40.748+/-60.862 χ^2/NDF : 11.1/24

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 245.915 $\pm$ 0.079 χ^2 /NDF:214693.1/6

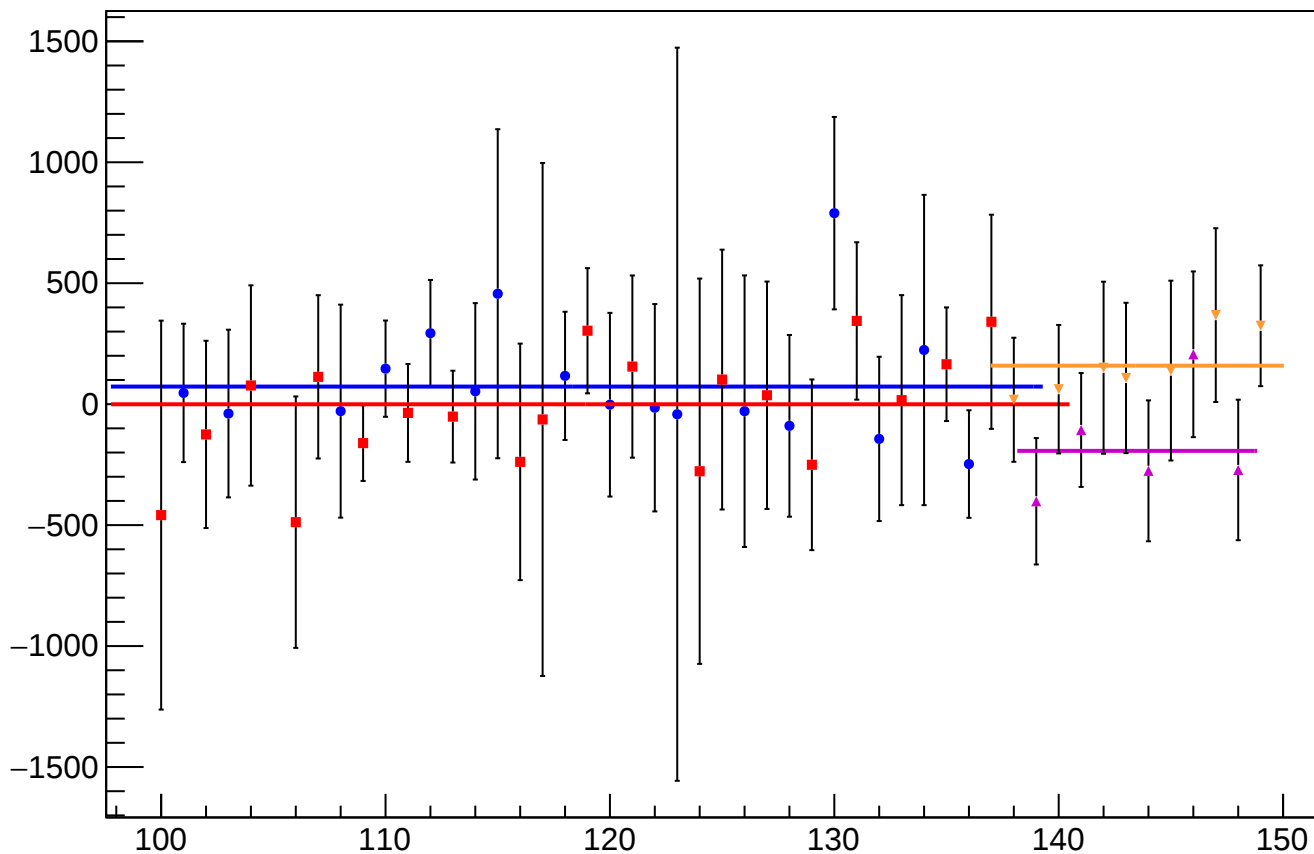
211.243 $\pm$ 0.046 χ^2 /NDF: 1519286.8/23

Right Out: 172.346 $\pm$ 0.049 χ^2 /NDF: 1583893.0/19

189.684 $\pm$ 0.043 χ^2 /NDF: 2218672.3/24

Left In: 243.745 $\pm$ 0.087 χ^2 /NDF:128708.3/4

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 159.194+/-112.742 χ^2/NDF : 1.2/6

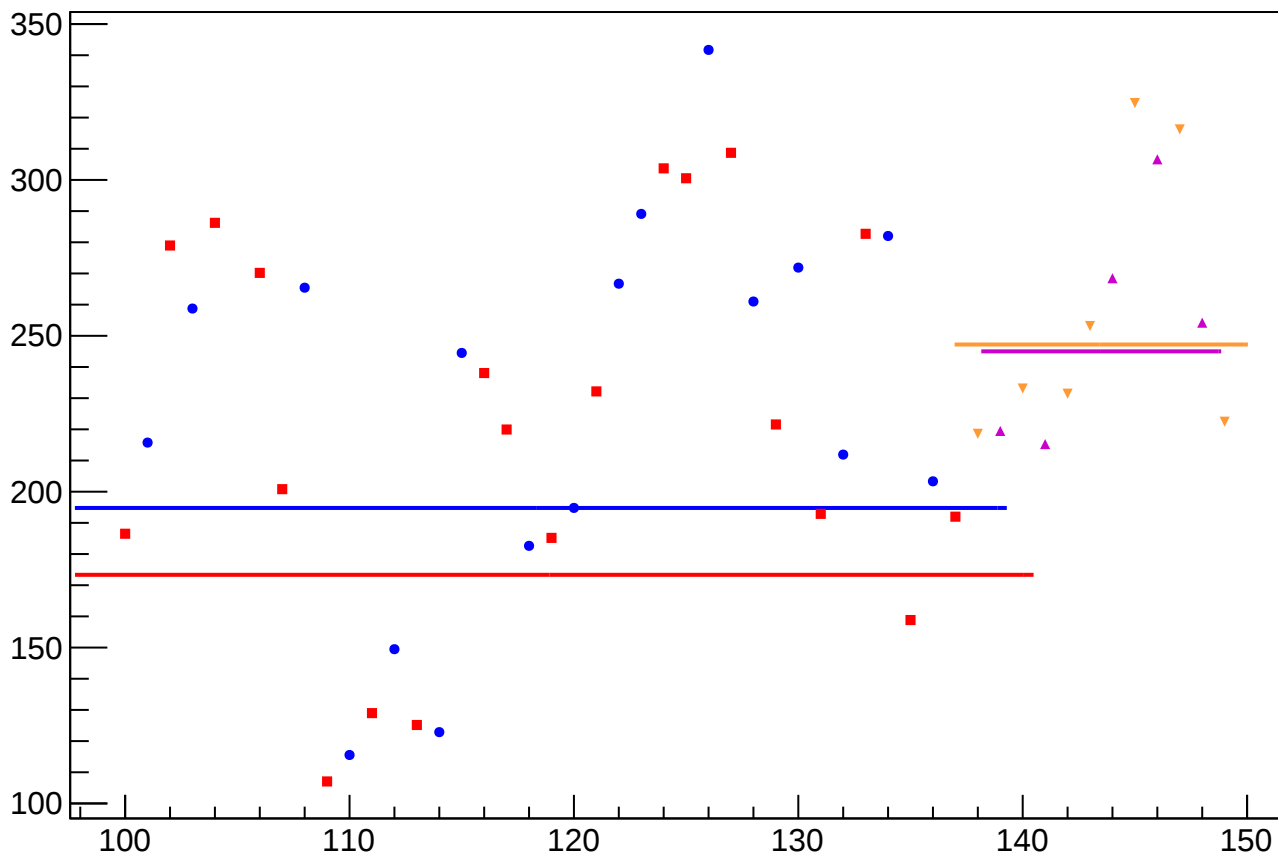
Right Out: -0.459+/-70.312 χ^2/NDF : 7.3/19

Left In: -193.091+/-124.170 χ^2/NDF : 2.3/4

101.645+/-65.239 χ^2/NDF : 9.4/23

-47.228+/-61.183 χ^2/NDF : 11.4/24

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782+/-0.057 χ^2/NDF : 1008292.8/16

Left Out: 247.210+/-0.080 χ^2/NDF :215649.8/6

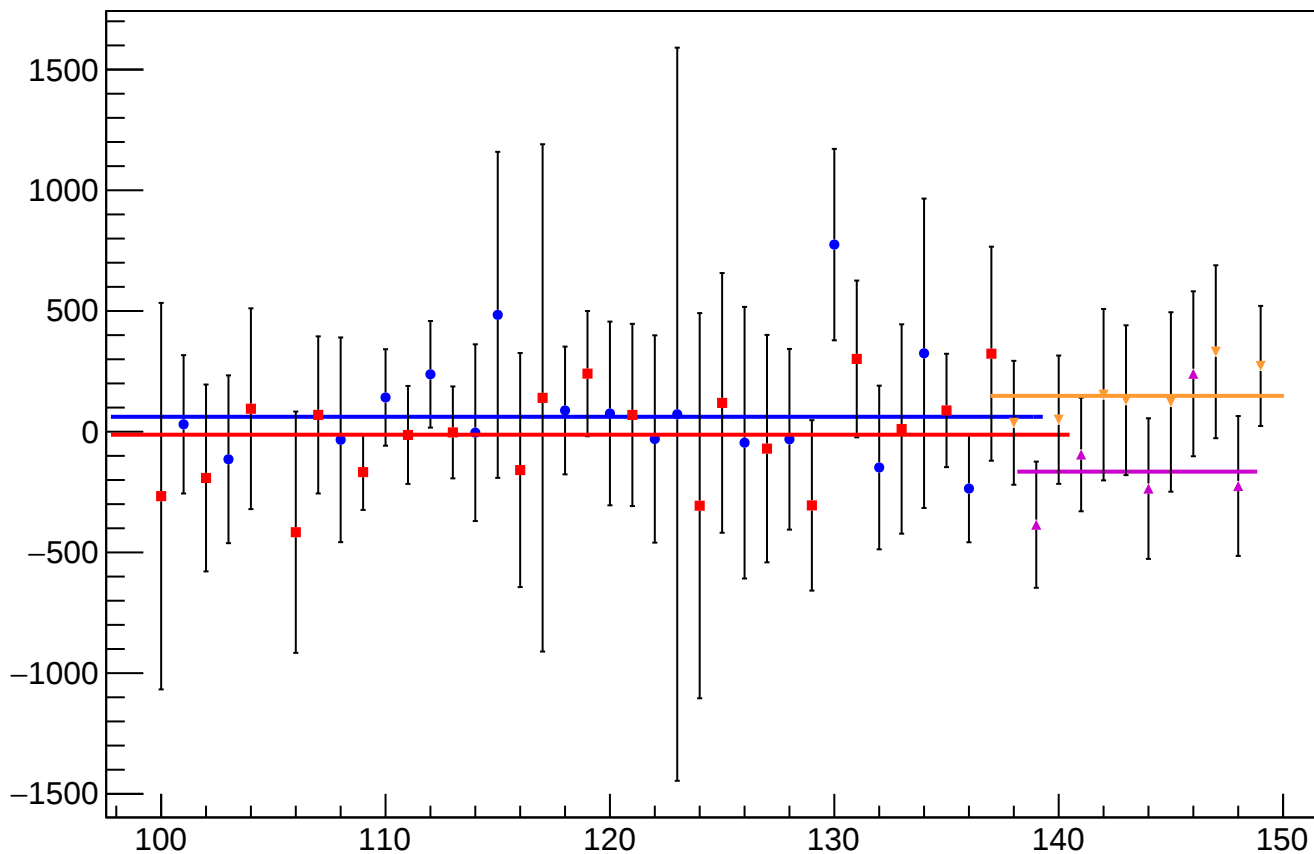
Right Out: 173.337+/-0.050 χ^2/NDF : 1571436.7/19

Left In: 245.014+/-0.088 χ^2/NDF :130684.1/4

212.337+/-0.046 χ^2/NDF : 1511621.8/23

190.740+/-0.043 χ^2/NDF : 2206748.6/24

asym_bcm_an_us_mean vs Slug



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 148.554+/-112.605 χ^2/NDF : 0.8/6

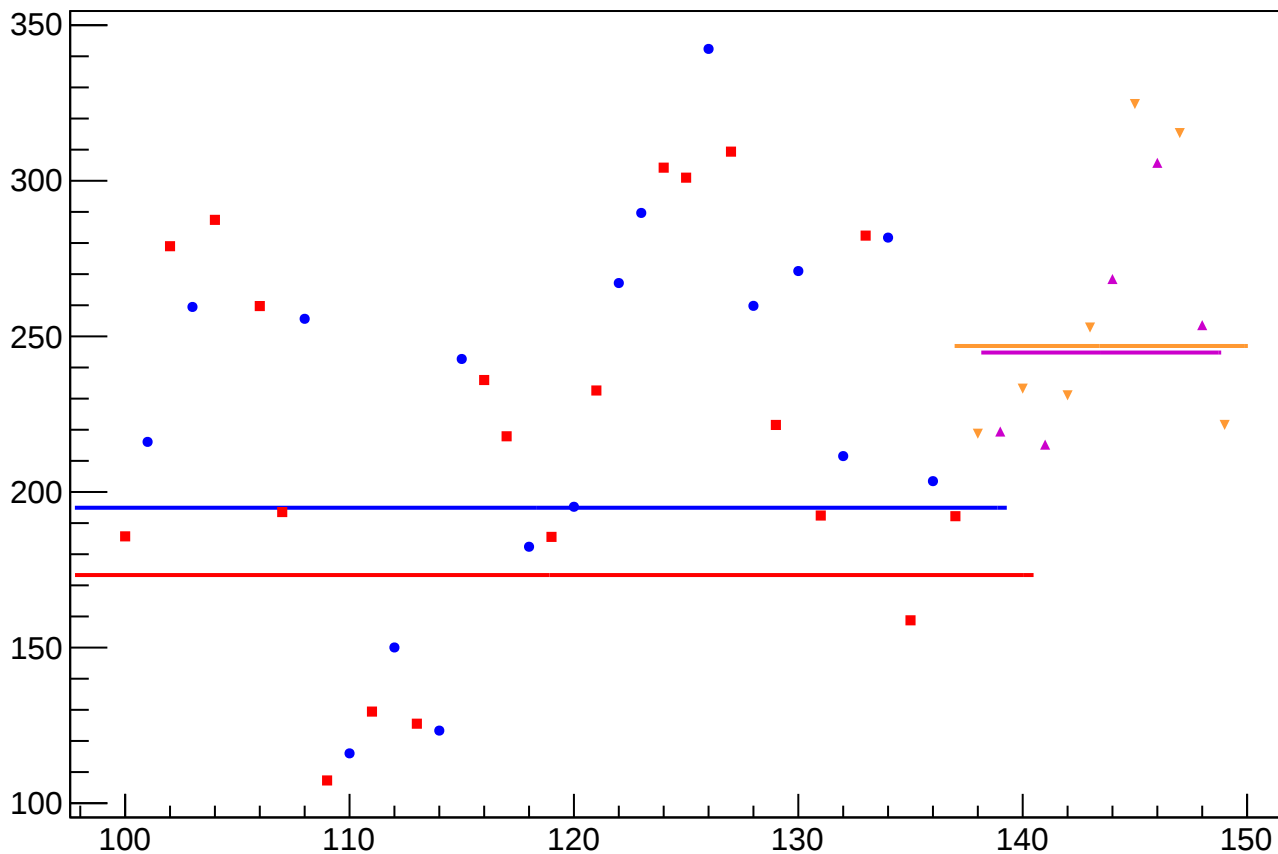
Right Out: -12.417+/-70.233 χ^2/NDF : 5.8/19

Left In: -165.337+/-124.048 χ^2/NDF : 2.3/4

90.903+/-65.209 χ^2/NDF : 8.5/23

-49.537+/-61.117 χ^2/NDF : 9.2/24

asym_bcm_an_us_rms vs Slug



Right In: 194.939 ± 0.057 χ^2/NDF : 986629.1/16

Left Out: 246.915 ± 0.080 χ^2/NDF : 215487.5/6

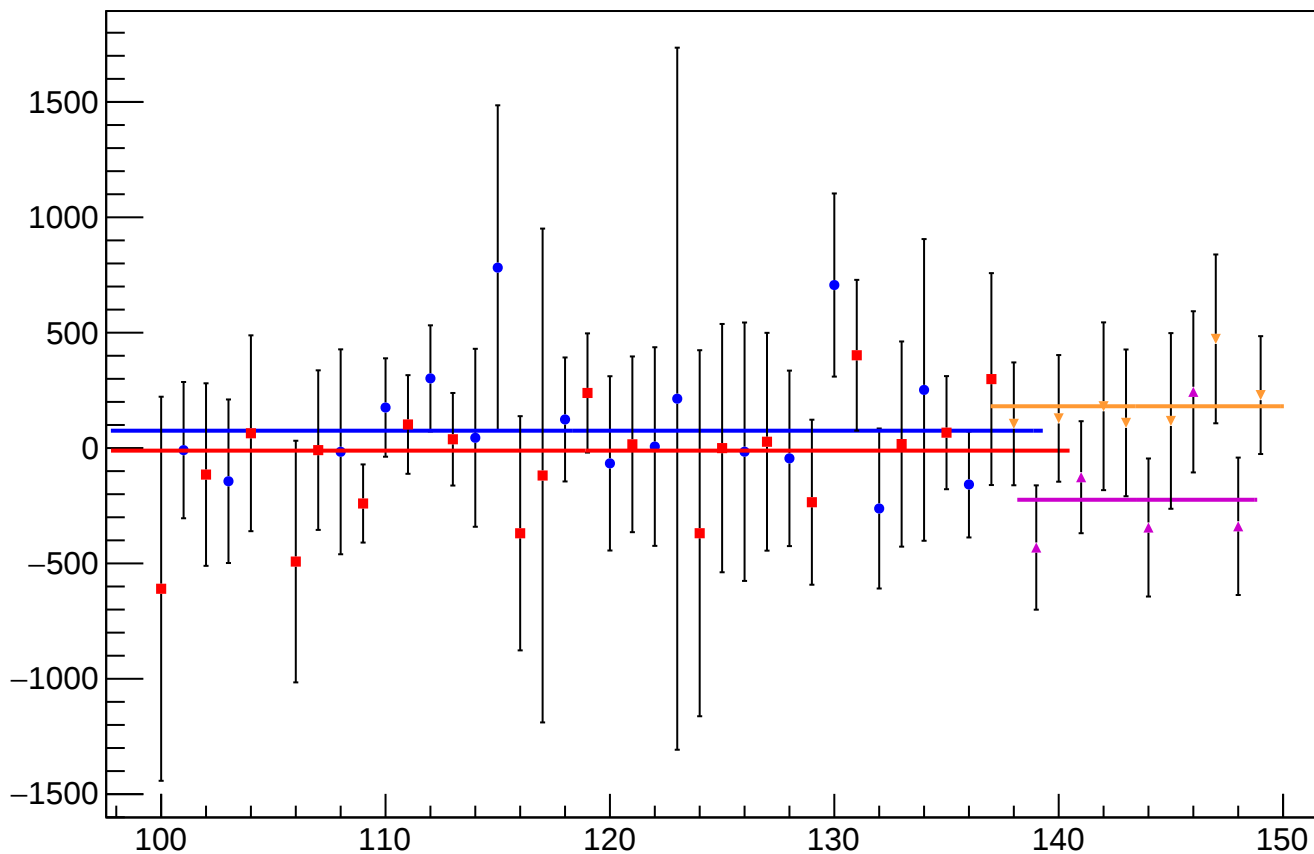
Right Out: 173.309 ± 0.050 χ^2/NDF : 1548342.3/19

Left In: 244.807 ± 0.088 χ^2/NDF : 129226.0/4

212.369 ± 0.046 χ^2/NDF : 1485329.9/23

190.665 ± 0.043 χ^2/NDF : 2180703.8/24

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2/NDF : 7.6/16

Left Out: 181.129 $\pm$ 115.821 χ^2/NDF : 0.9/6

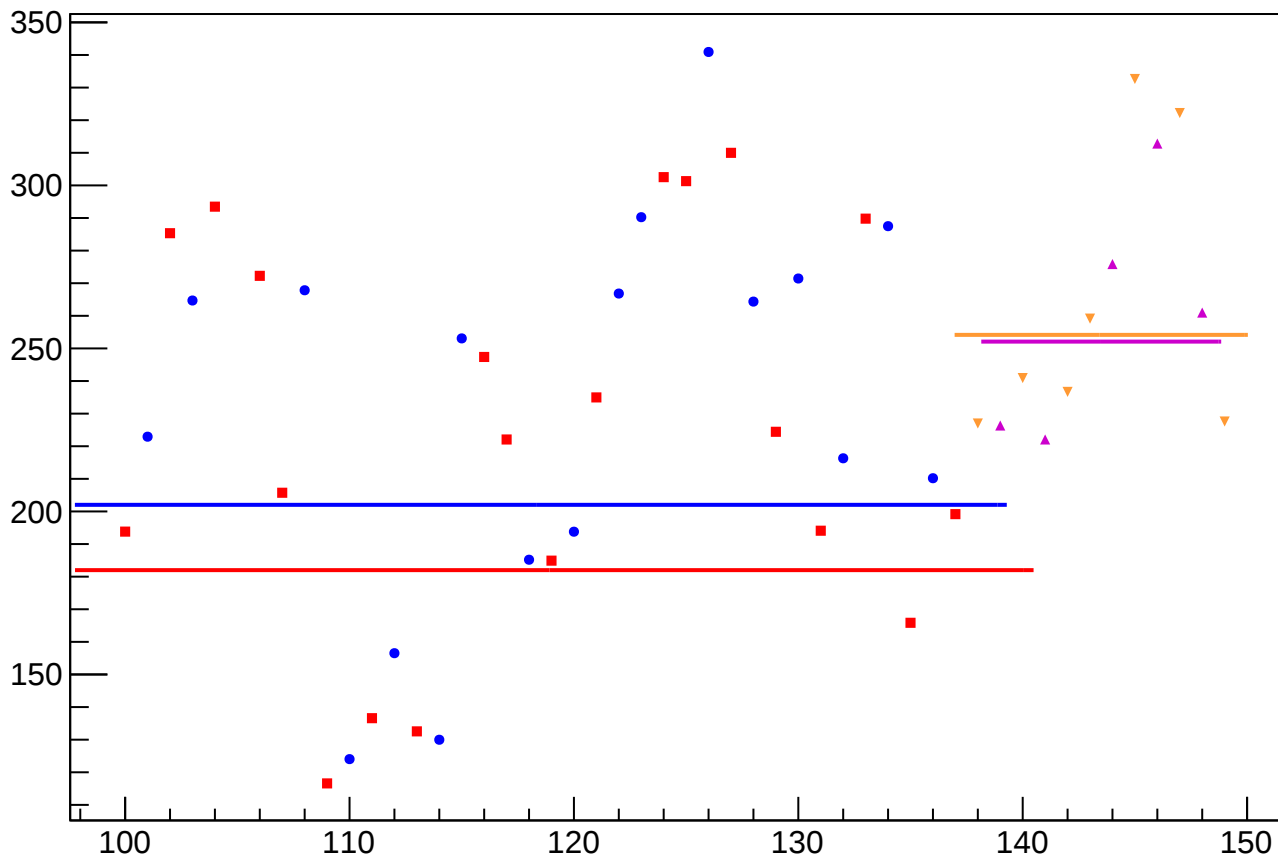
Right Out: -11.180 $\pm$ 73.166 χ^2/NDF : 7.8/19

Left In: -224.109 $\pm$ 127.621 χ^2/NDF : 2.9/4

110.862 $\pm$ 67.198 χ^2/NDF : 9.1/23

-63.853 $\pm$ 63.474 χ^2/NDF : 12.8/24

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 ± 0.058 χ^2/NDF : 881608.7/16

Left Out: 254.157 ± 0.082 χ^2/NDF : 206461.3/6

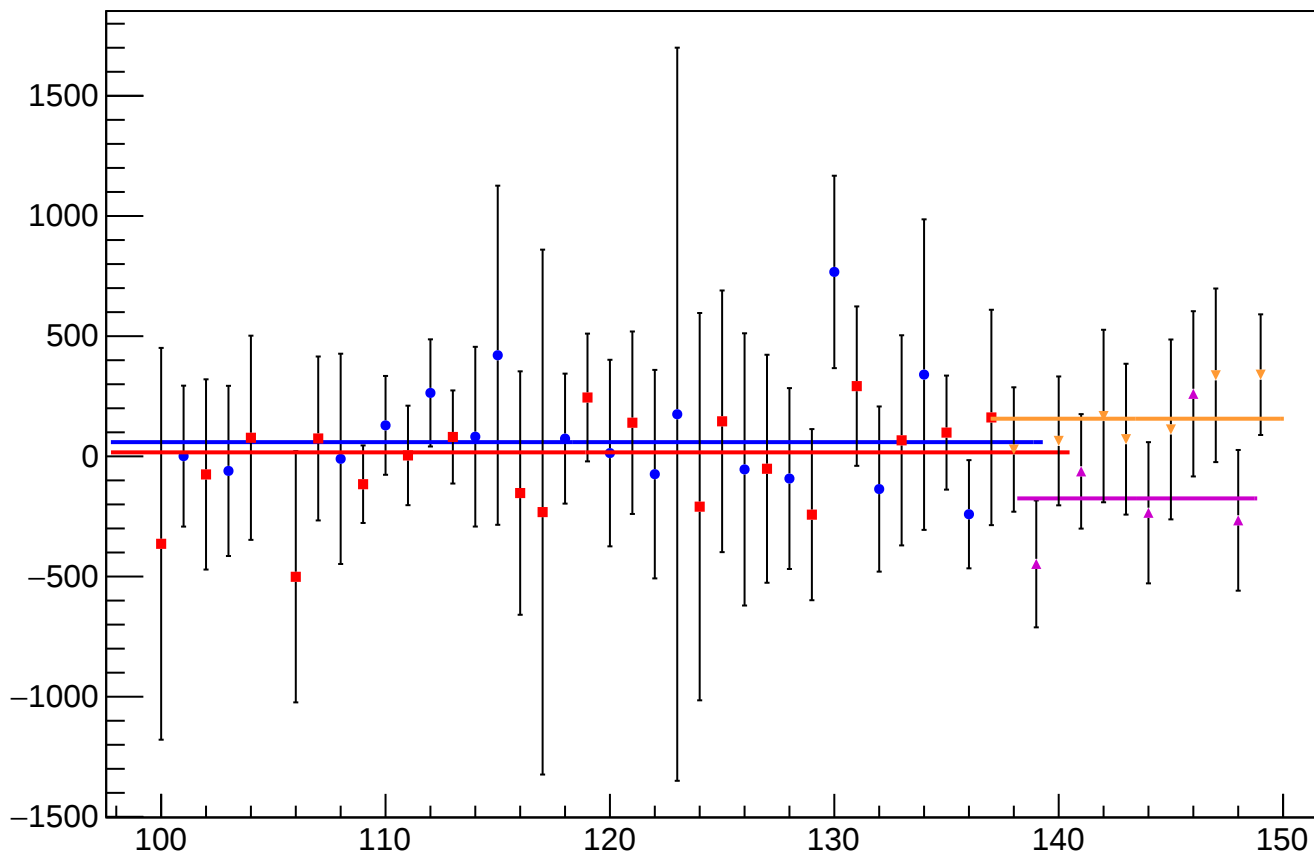
Right Out: 182.000 ± 0.052 χ^2/NDF : 1380354.3/19

Left In: 252.090 ± 0.090 χ^2/NDF : 123733.5/4

219.576 ± 0.048 χ^2/NDF : 1356822.5/23

199.338 ± 0.045 χ^2/NDF : 1958121.0/24

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 156.631+/-113.634 χ^2/NDF : 1.2/6

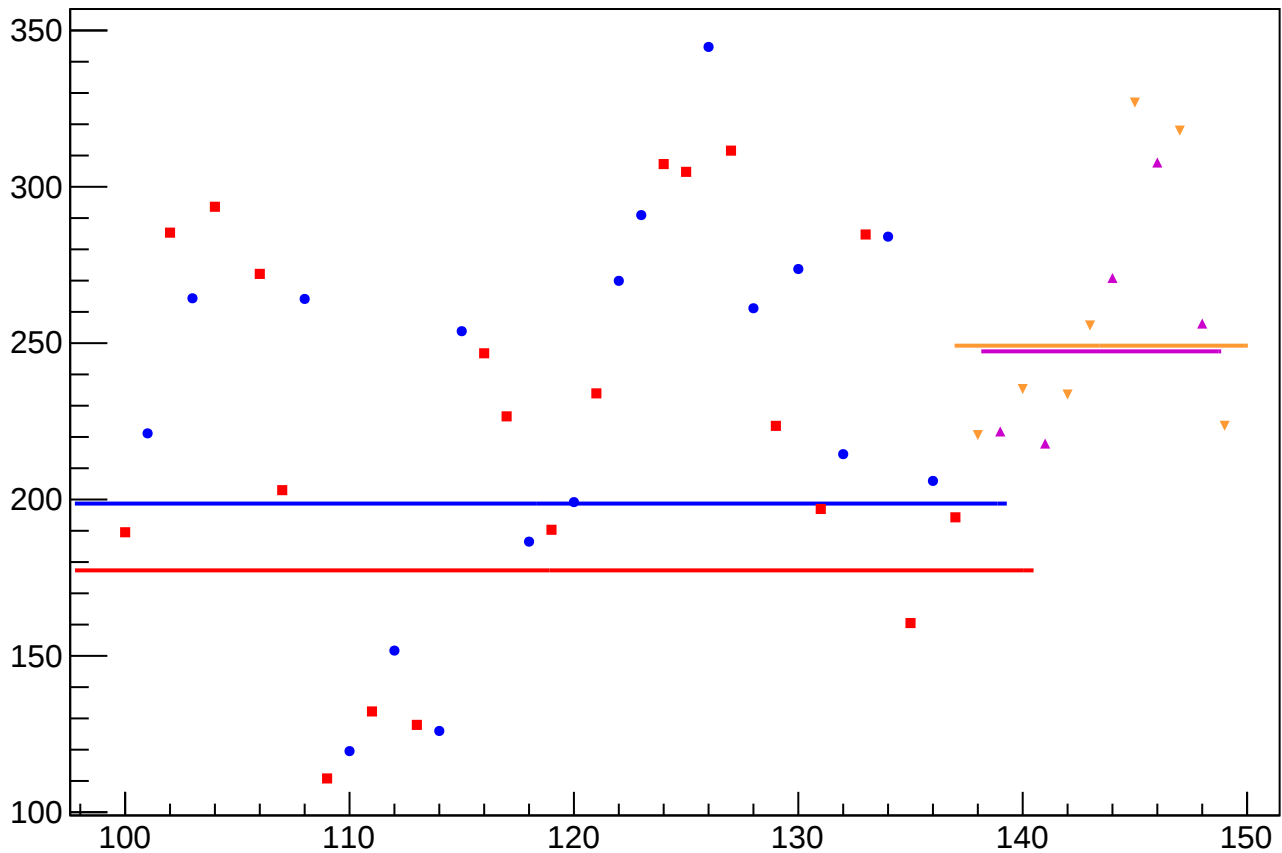
Right Out: 16.650+/-71.745 χ^2/NDF : 4.7/19

Left In: -174.941+/-125.303 χ^2/NDF : 3.0/4

92.233+/-66.183 χ^2/NDF : 8.9/23

-30.653+/-62.261 χ^2/NDF : 9.5/24

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 ± 0.058 $\chi^2/\text{NDF}: 963394.4/16$

Left Out: 249.200 ± 0.080 $\chi^2/\text{NDF}: 214103.8/6$

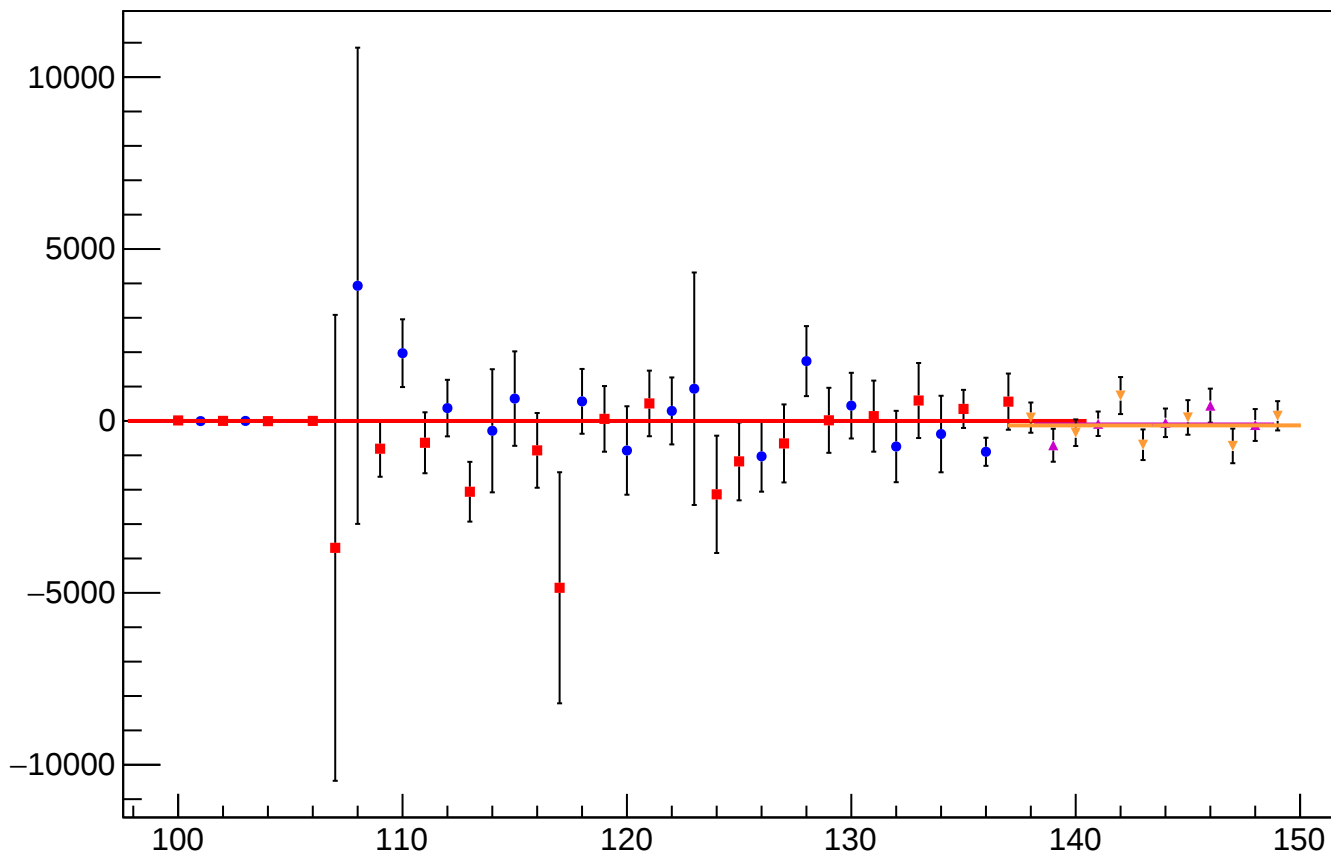
Right Out: 177.338 ± 0.051 $\chi^2/\text{NDF}: 1528976.8/19$

Left In: 247.378 ± 0.089 $\chi^2/\text{NDF}: 125783.3/4$

215.833 ± 0.047 $\chi^2/\text{NDF}: 1438473.1/23$

194.631 ± 0.044 $\chi^2/\text{NDF}: 2125358.2/24$

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -129.365 ± 172.082 χ^2/NDF : 6.8/6

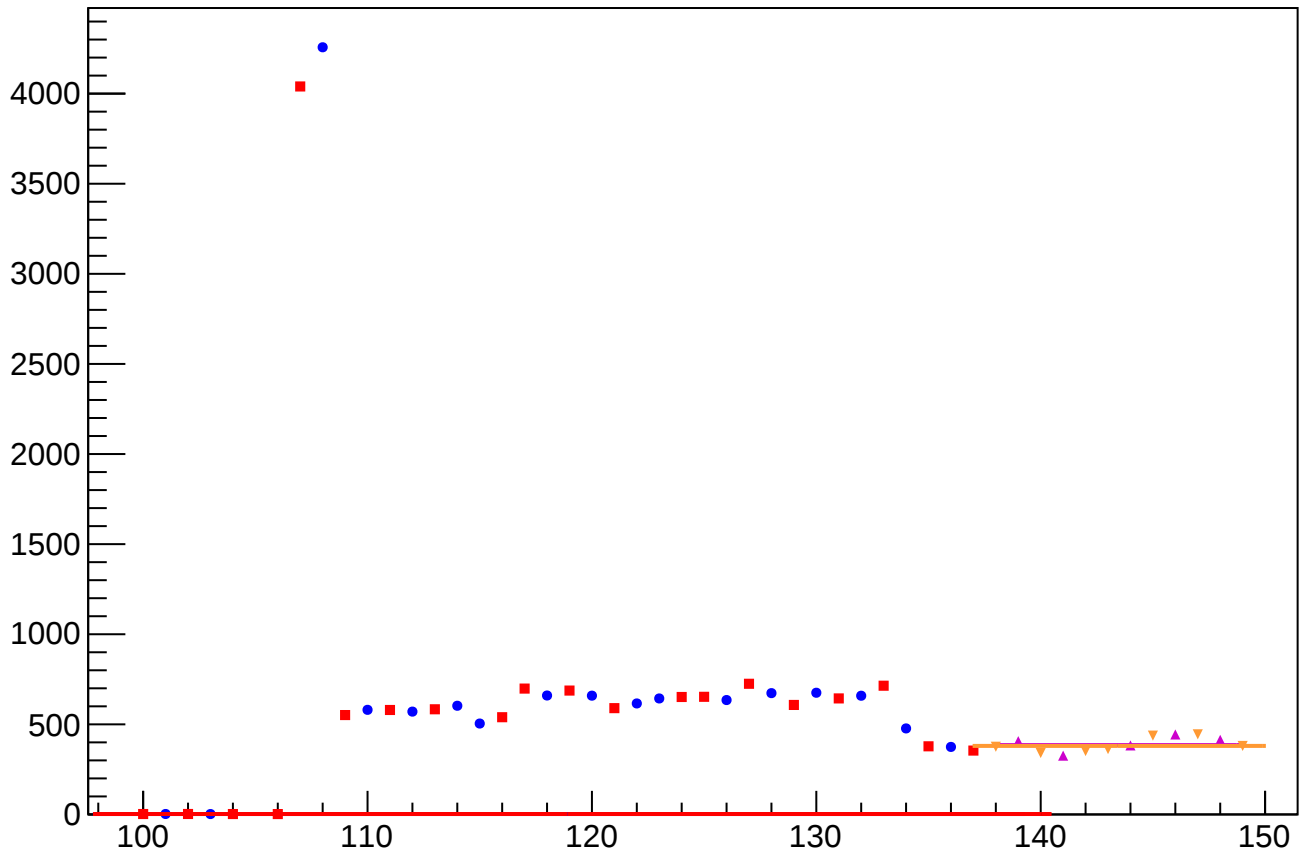
Right Out: -0.733 ± 2.111 χ^2/NDF : 20.5/19

Left In: -102.721 ± 193.245 χ^2/NDF : 2.8/4

-1.551 ± 2.251 χ^2/NDF : 24.0/23

-0.746 ± 2.111 χ^2/NDF : 23.6/24

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 380.427+/-0.122 χ^2/NDF : 88220.7/6

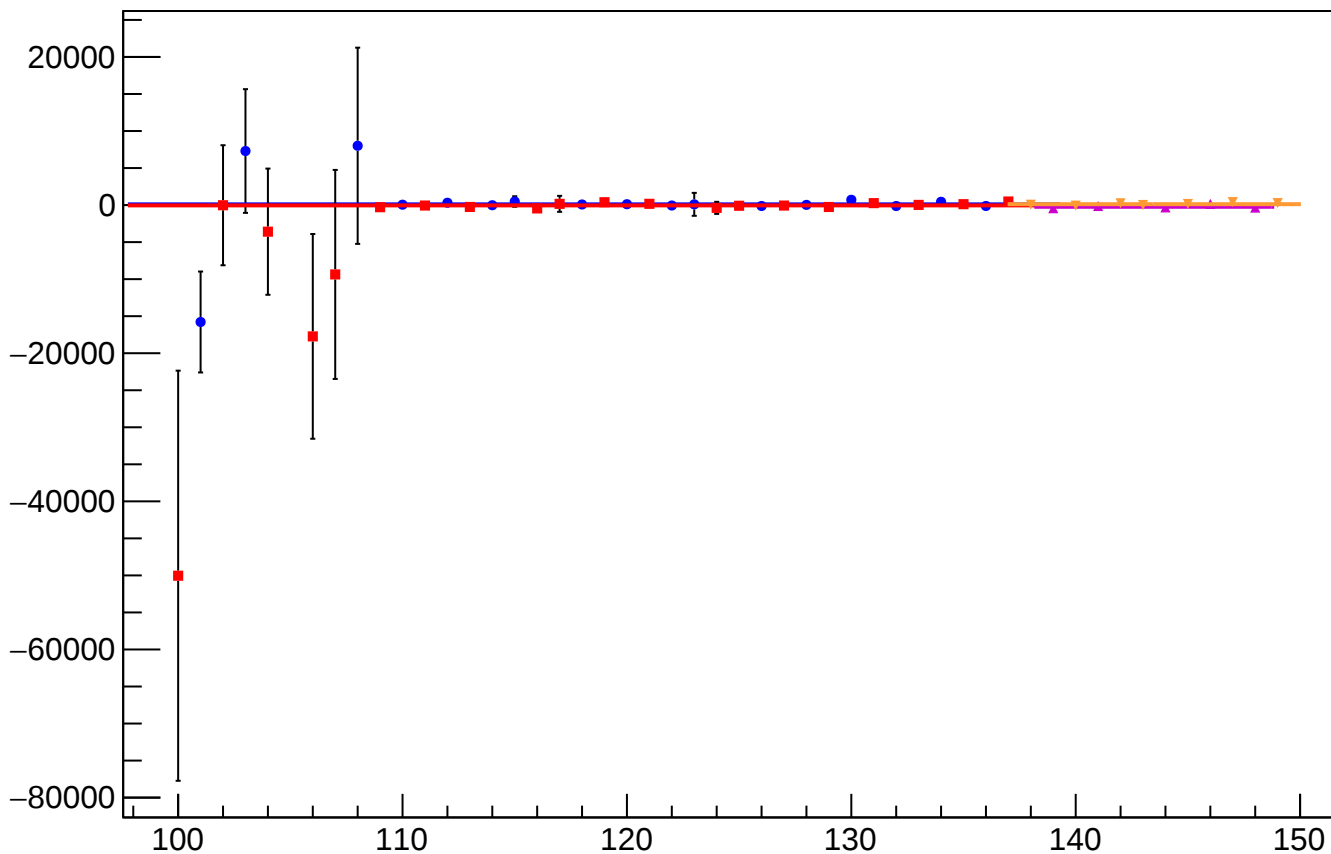
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 384.874+/-0.137 χ^2/NDF : 94720.8/4

2.521+/-0.002 χ^2/NDF : 20441834.0/23

2.483+/-0.001 χ^2/NDF : 19152930.1/24

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 120.799+/-119.588 χ^2/NDF : 1.6/6

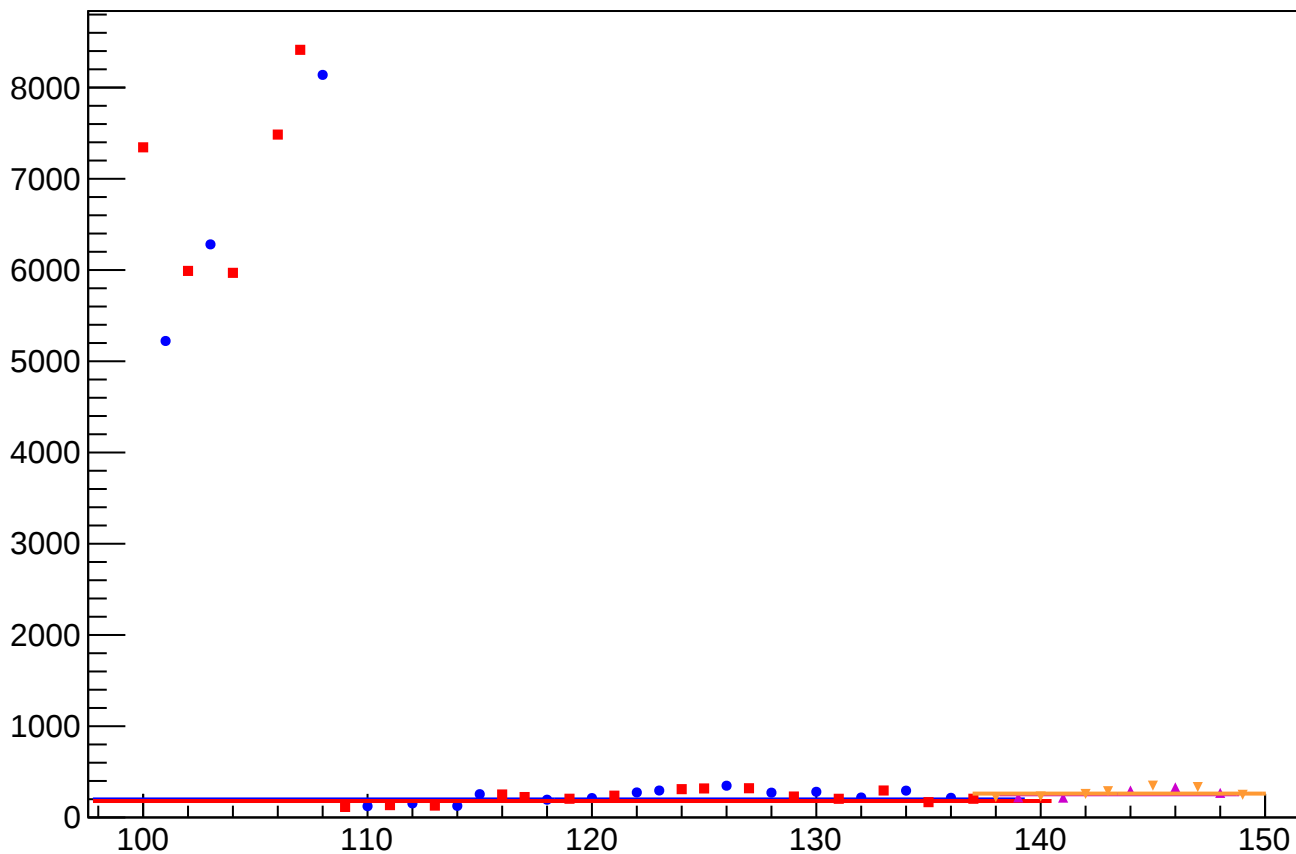
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -227.653+/-129.310 χ^2/NDF : 2.1/4

104.776+/-72.773 χ^2/NDF : 13.7/23

-96.892+/-70.611 χ^2/NDF : 17.6/24

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 261.520+/-0.085 χ^2/NDF : 260112.4/6

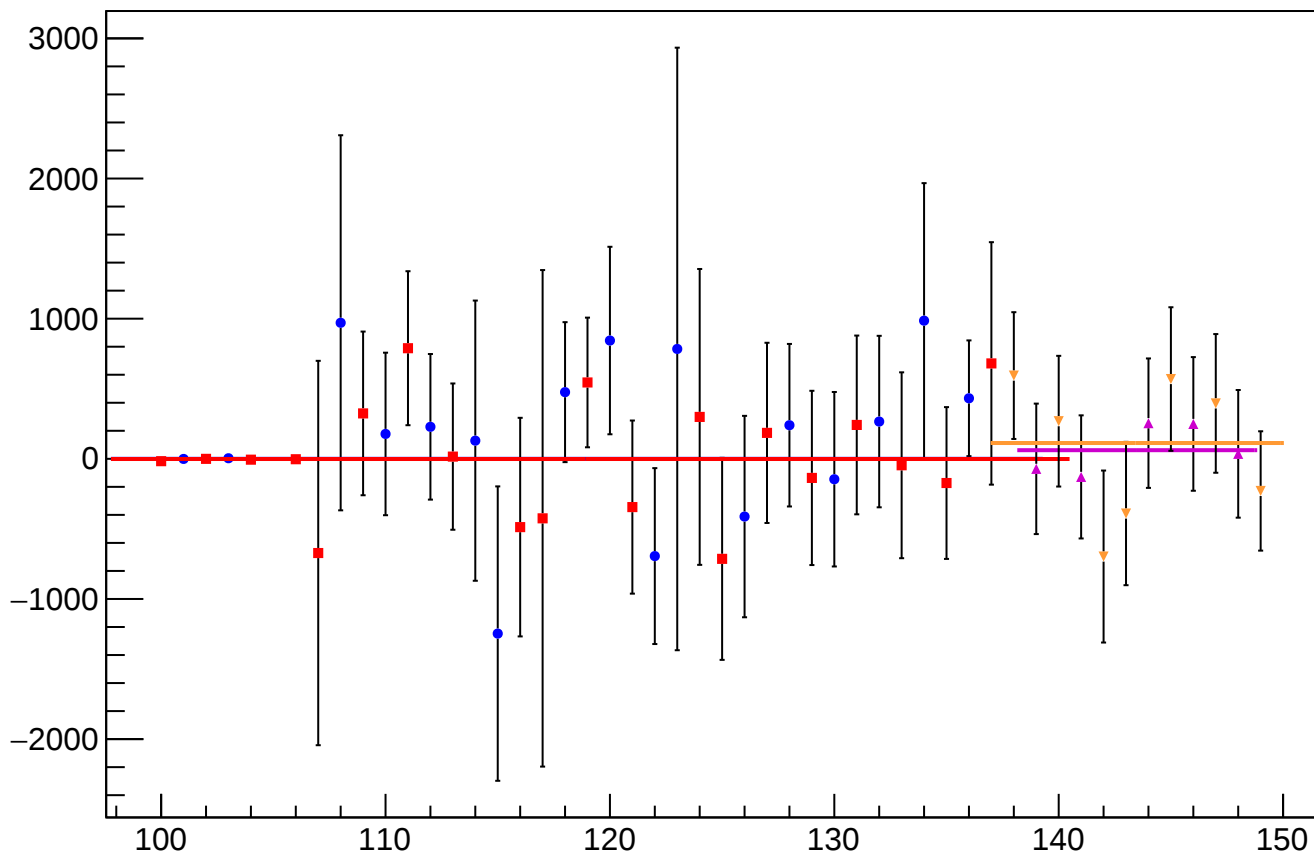
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 253.942+/-0.091 χ^2/NDF : 204584.9/4

221.158+/-0.051 χ^2/NDF : 4317756.9/23

202.224+/-0.050 χ^2/NDF : 4985116.8/24

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 $\chi^2/\text{NDF}: 9.8/16$

Left Out: 112.784 ± 184.493 $\chi^2/\text{NDF}: 5.7/6$

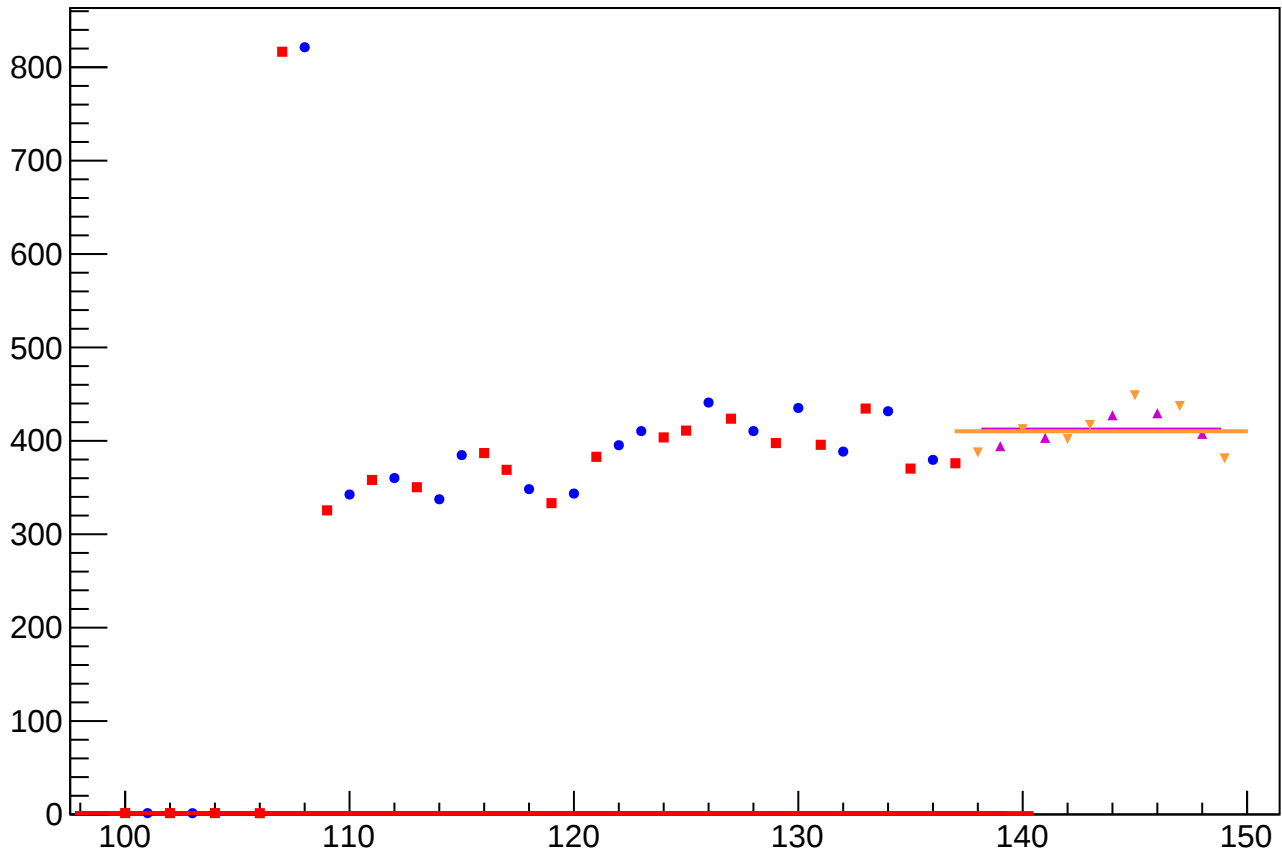
Right Out: -1.324 ± 1.623 $\chi^2/\text{NDF}: 9.6/19$

Left In: 61.600 ± 205.387 $\chi^2/\text{NDF}: 0.6/4$

-0.129 ± 1.737 $\chi^2/\text{NDF}: 15.9/23$

-1.320 ± 1.623 $\chi^2/\text{NDF}: 10.3/24$

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 410.262+/-0.130 χ^2/NDF : 32361.3/6

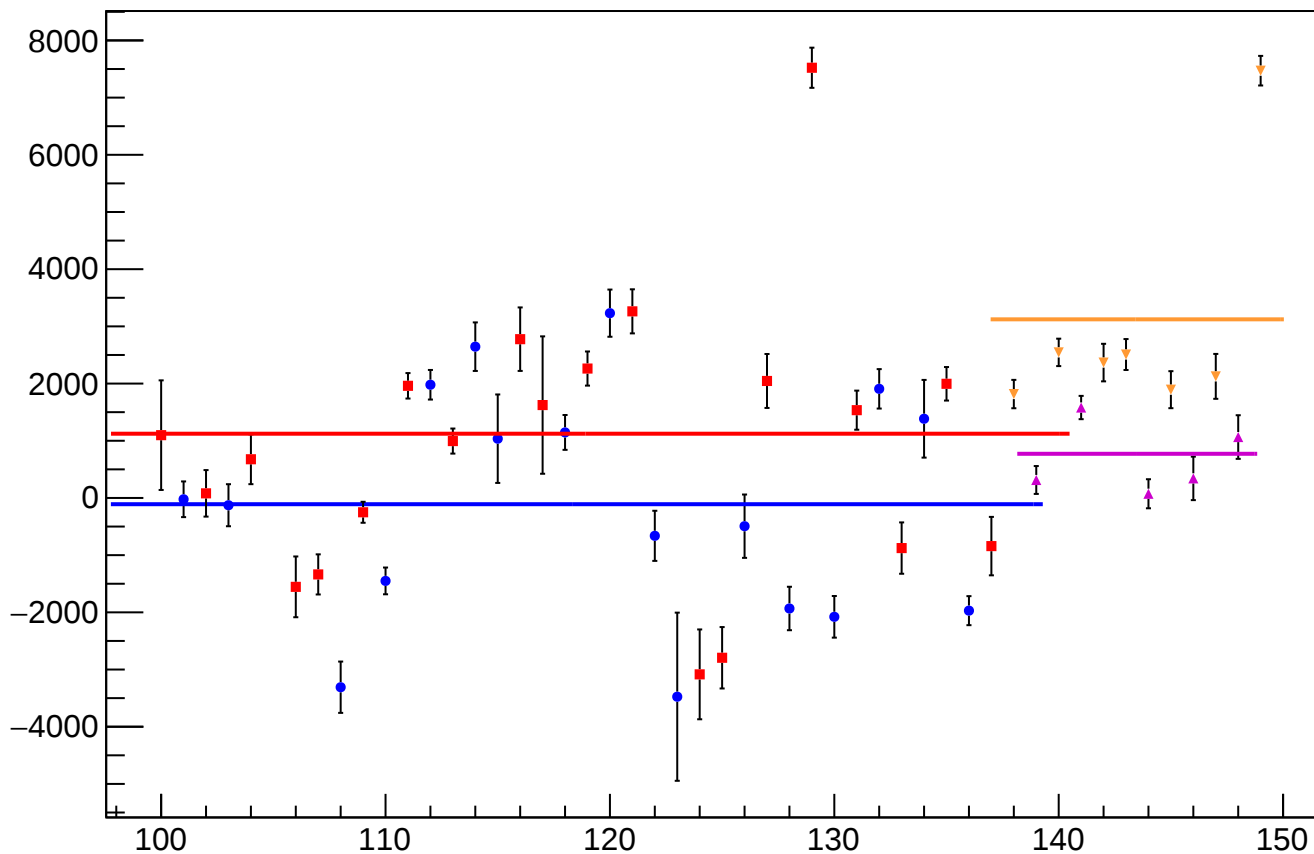
Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

Left In: 412.024+/-0.145 χ^2/NDF : 8831.3/4

1.488+/-0.001 χ^2/NDF : 20667393.2/23

1.477+/-0.001 χ^2/NDF : 18960173.0/24

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 3123.159 ± 106.846 $\chi^2/\text{NDF}: 347.3/6$

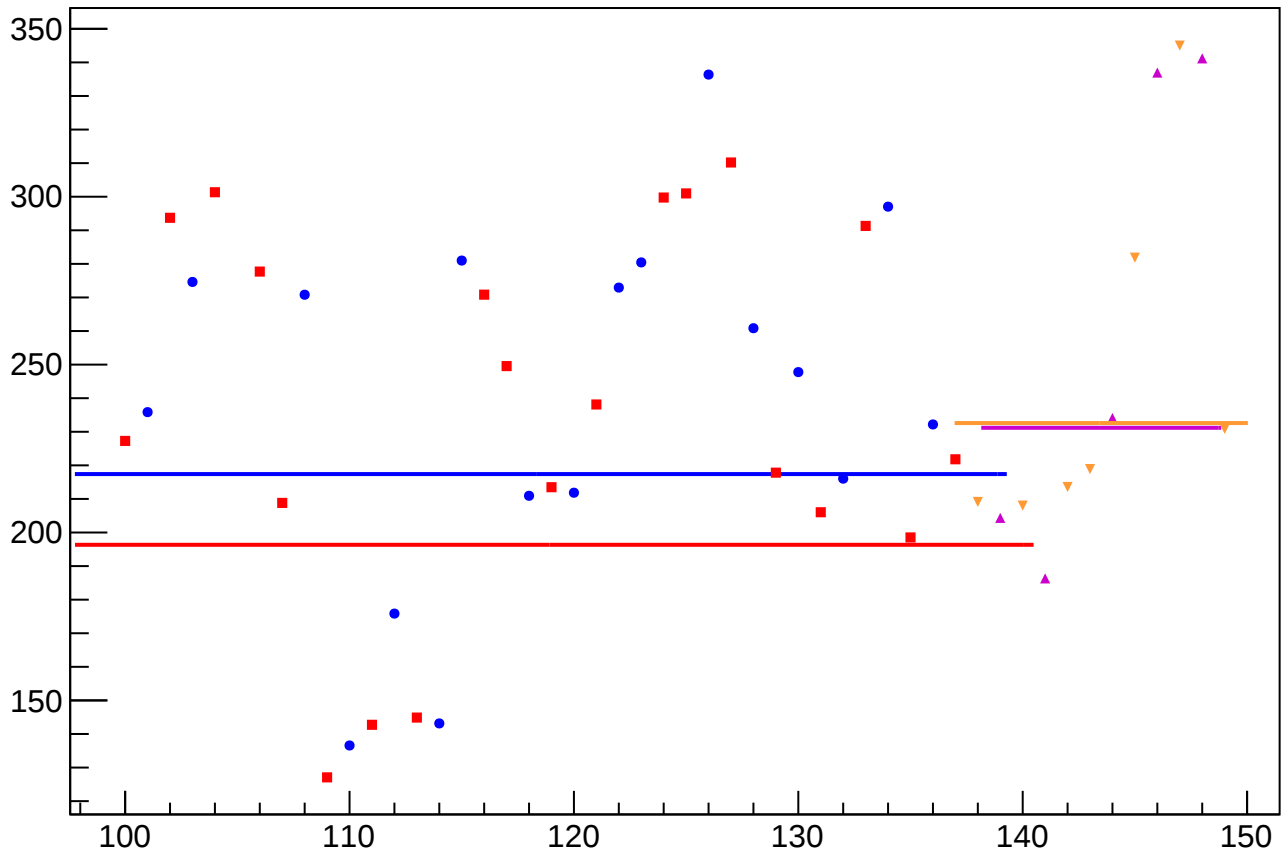
Right Out: 1123.337 ± 78.230 $\chi^2/\text{NDF}: 670.2/19$

Left In: 772.223 ± 119.328 $\chi^2/\text{NDF}: 28.7/4$

1196.531 ± 67.909 $\chi^2/\text{NDF}: 1321.2/23$

1017.793 ± 65.424 $\chi^2/\text{NDF}: 705.0/24$

asym_bcm0l02_rms vs Slug



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 232.598+/-0.076 χ^2/NDF : 261291.2/6

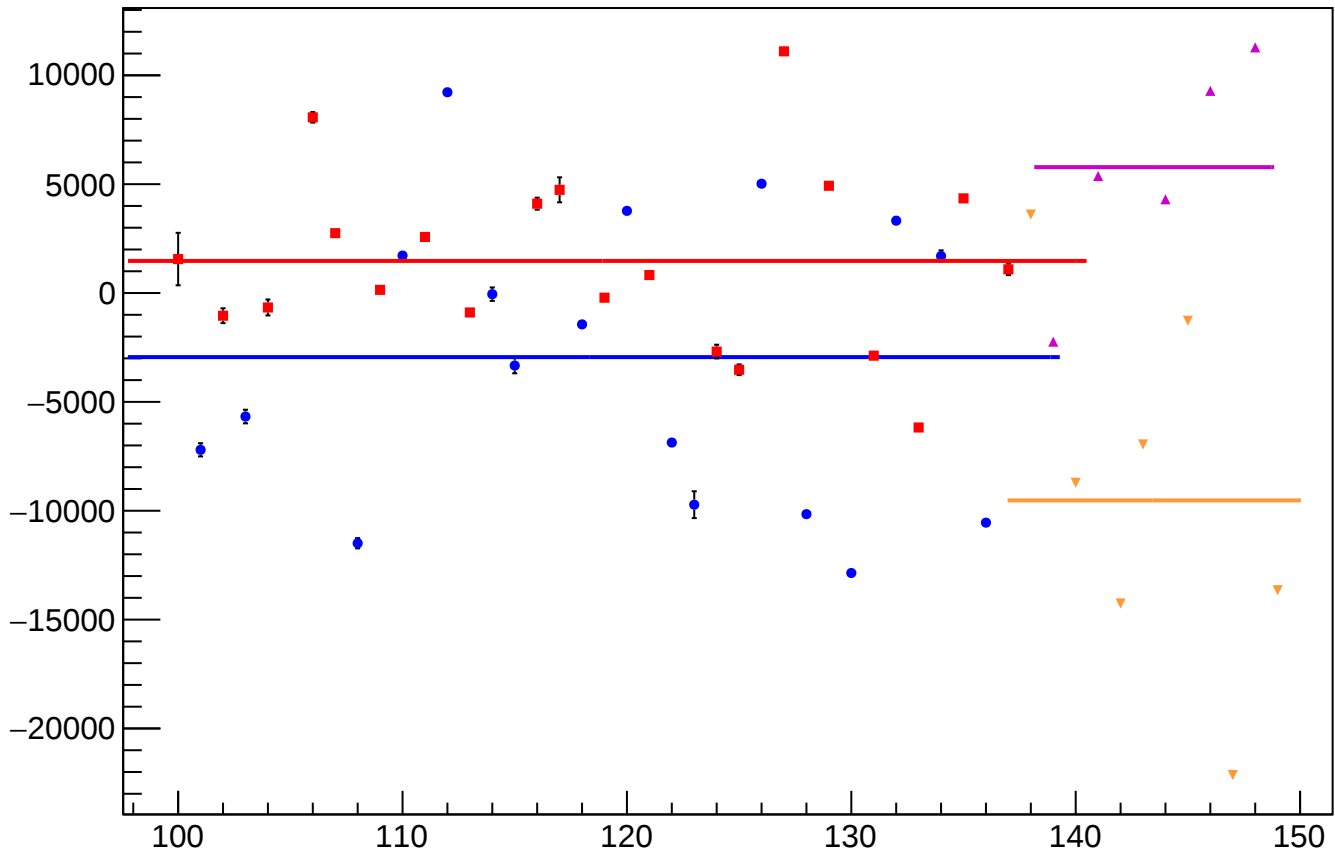
Right Out: 196.339+/-0.055 χ^2/NDF : 1194805.7/19

Left In: 231.189+/-0.084 χ^2/NDF : 442659.9/4

223.541+/-0.048 χ^2/NDF : 938035.6/23

206.815+/-0.046 χ^2/NDF : 1756779.9/24

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -9524.401+/-53.073 χ^2/NDF :23165.1/6

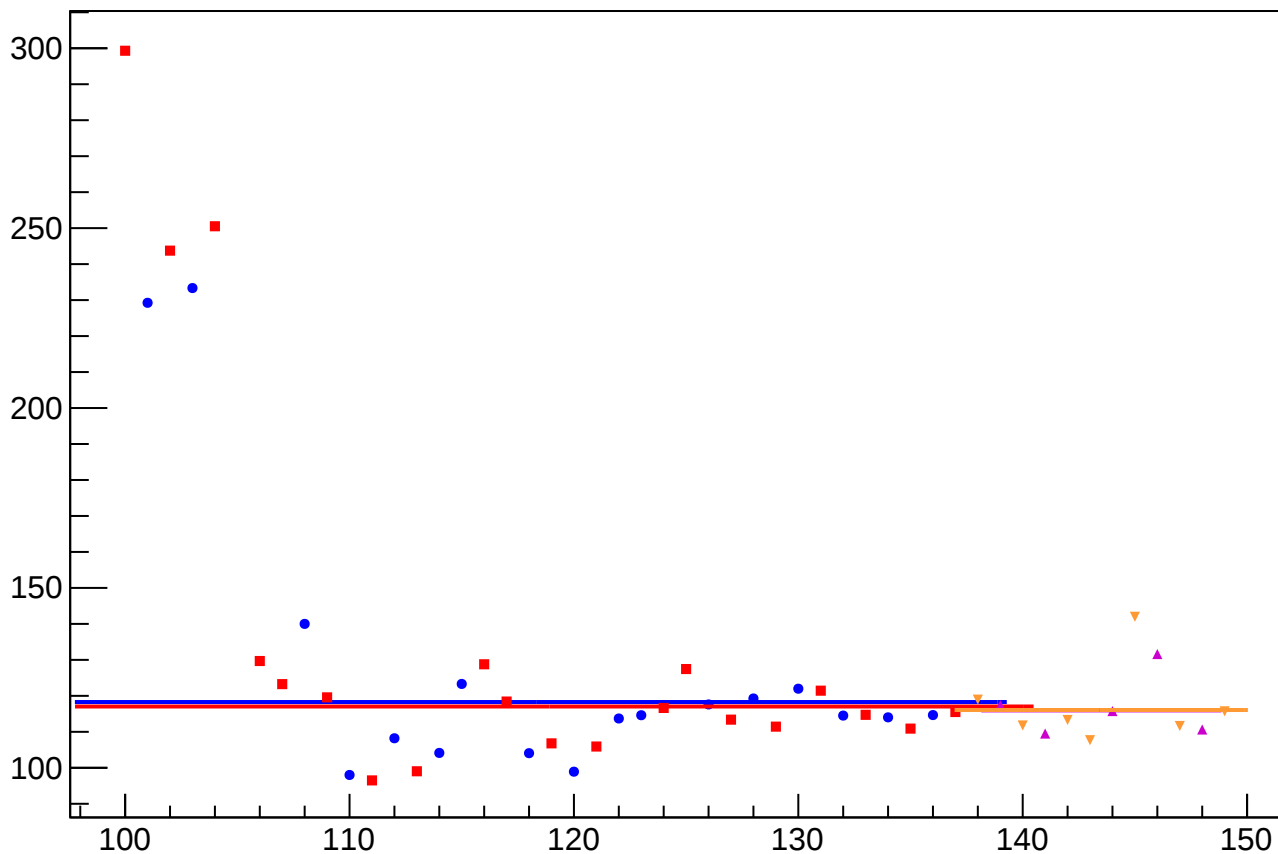
Right Out: 1474.497+/-46.252 χ^2/NDF : 8028.6/19

Left In: 5782.460+/-58.650 χ^2/NDF :5853.1/4

-5945.590+/-35.848 χ^2/NDF : 52436.6/23

3126.377+/-36.318 χ^2/NDF : 17208.2/24

asym_bpm2i01WS_rms vs Slug



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 116.066 $\pm$ 0.038 χ^2 /NDF: 63496.1/6

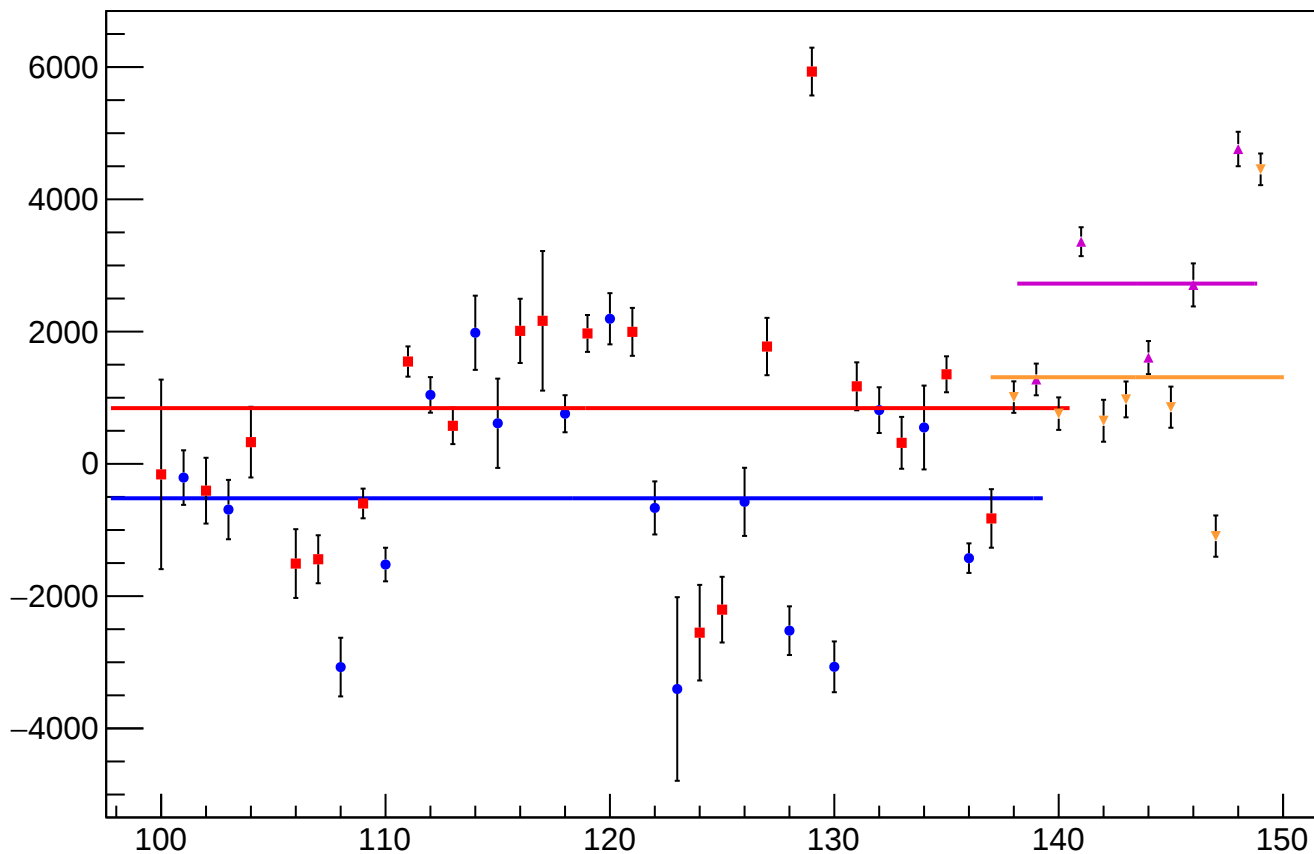
Right Out: 117.040 $\pm$ 0.033 χ^2 /NDF: 690873.1/19

Left In: 115.949 $\pm$ 0.041 χ^2 /NDF: 32083.5/4

117.273 $\pm$ 0.025 χ^2 /NDF: 702316.6/23

116.622 $\pm$ 0.026 χ^2 /NDF: 723383.6/24

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 1310.206 ± 102.150 $\chi^2/\text{NDF}: 246.4/6$

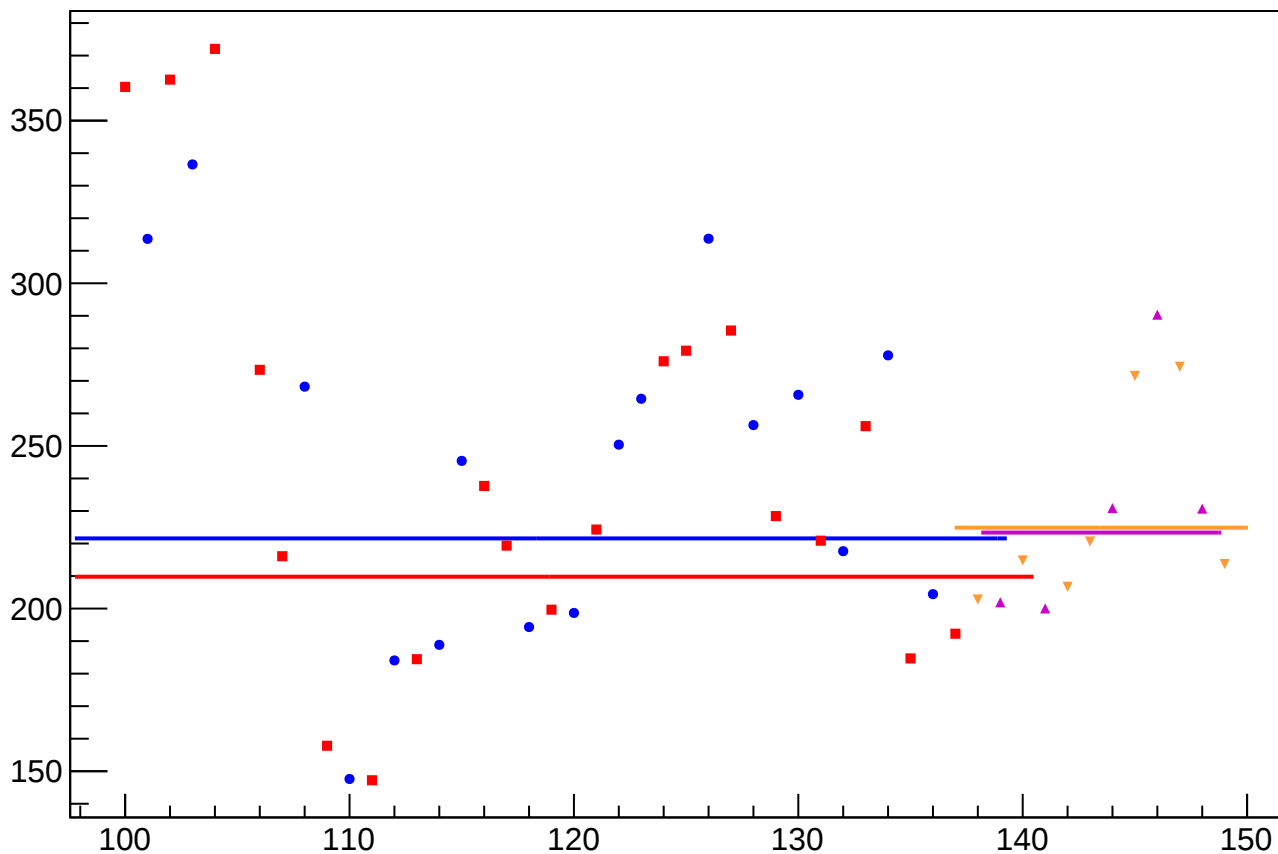
Right Out: 842.858 ± 82.024 $\chi^2/\text{NDF}: 436.3/19$

Left In: 2725.716 ± 112.870 $\chi^2/\text{NDF}: 126.0/4$

272.066 ± 67.206 $\chi^2/\text{NDF}: 716.6/23$

1493.570 ± 66.354 $\chi^2/\text{NDF}: 744.4/24$

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 ± 0.063 χ^2/NDF : 644941.4/16

Left Out: 224.873 ± 0.072 χ^2/NDF : 127286.3/6

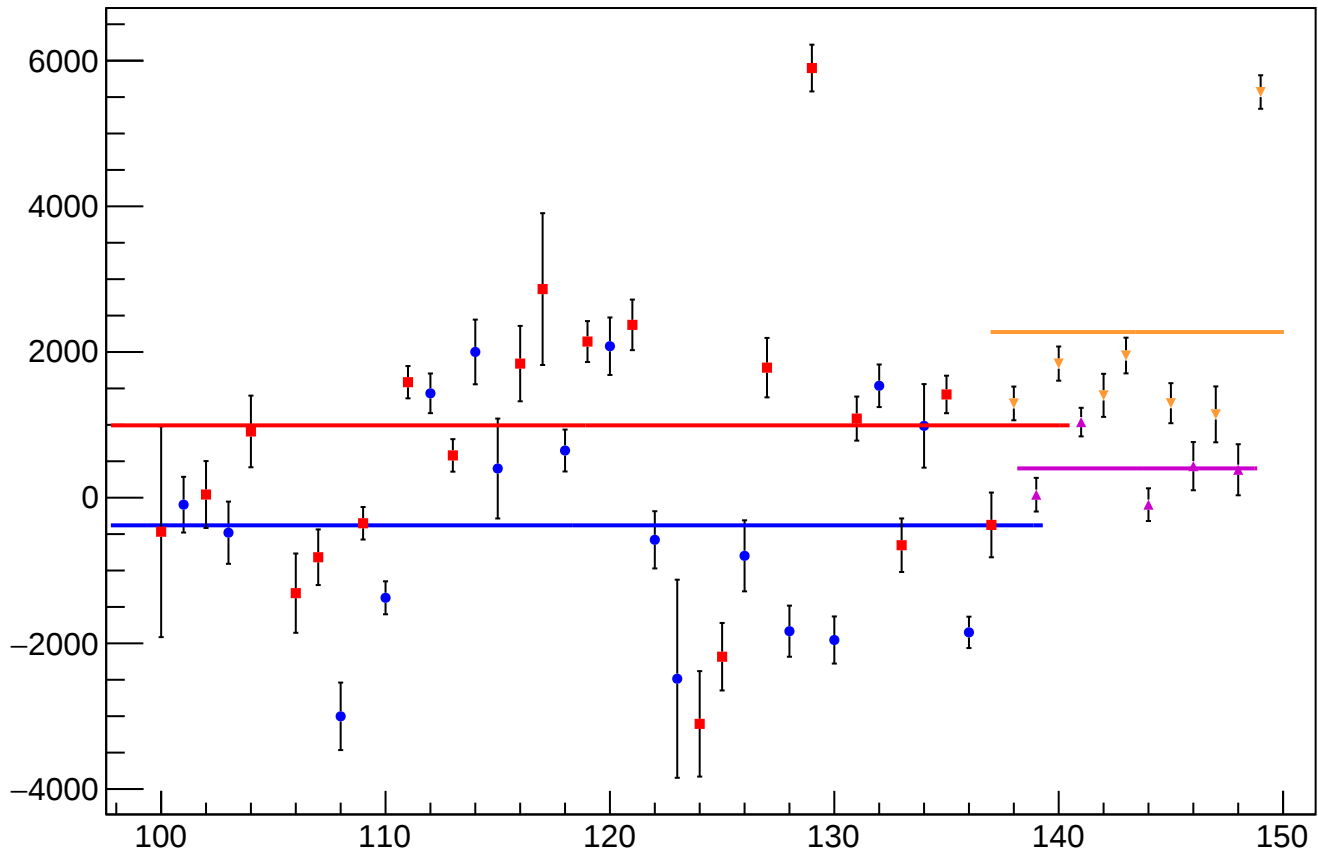
Right Out: 209.794 ± 0.058 χ^2/NDF : 884087.4/19

Left In: 223.364 ± 0.080 χ^2/NDF : 126913.4/4

222.999 ± 0.048 χ^2/NDF : 773413.5/23

214.484 ± 0.047 χ^2/NDF : 1029919.0/24

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 2274.188 ± 98.129 χ^2/NDF : 257.7/6

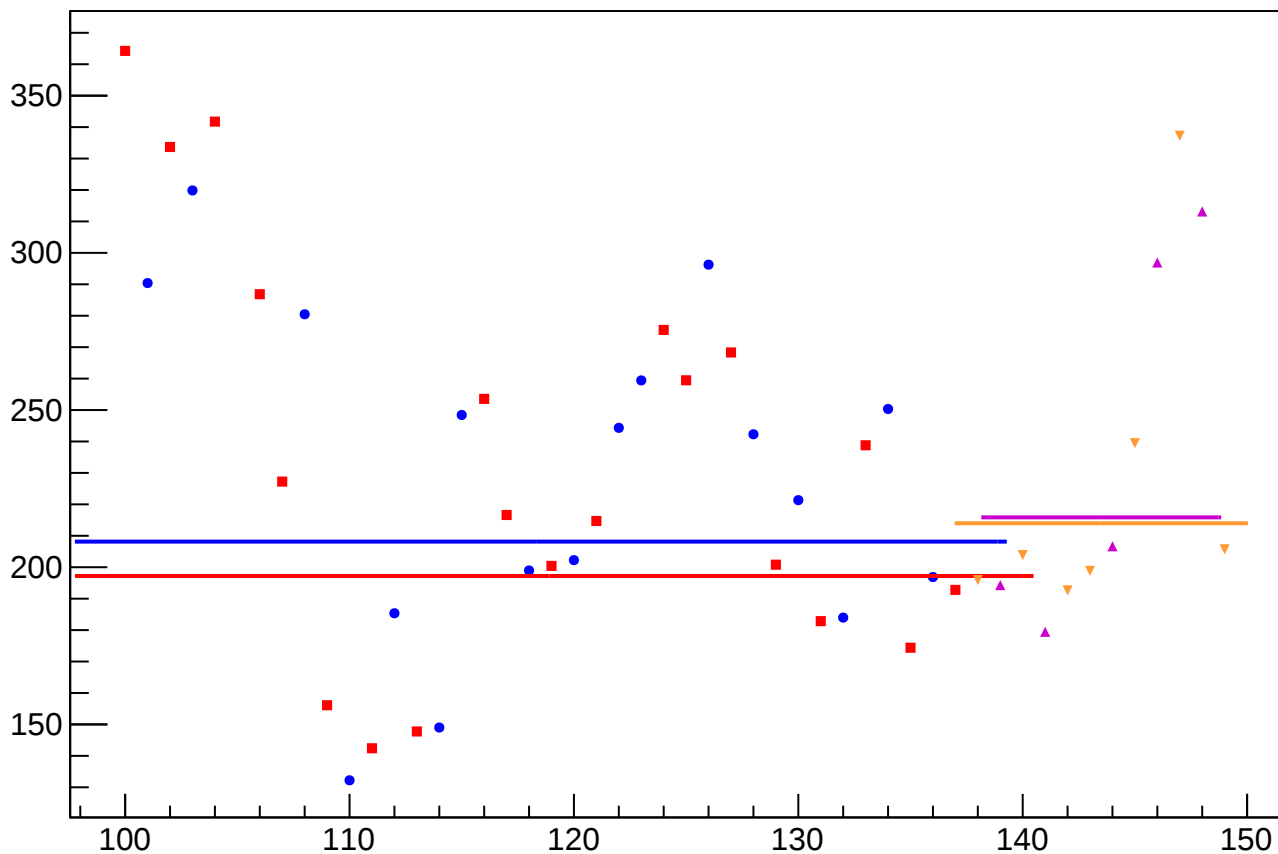
Right Out: 992.944 ± 77.509 χ^2/NDF : 479.5/19

Left In: 402.080 ± 110.545 χ^2/NDF : 17.9/4

746.623 ± 63.927 χ^2/NDF : 995.9/23

798.204 ± 63.464 χ^2/NDF : 516.5/24

asym_bpm0l01WS_rms vs Slug



Right In: 208.151 ± 0.060 χ^2/NDF : 699084.2/16

Left Out: 213.987 ± 0.069 χ^2/NDF : 260134.9/6

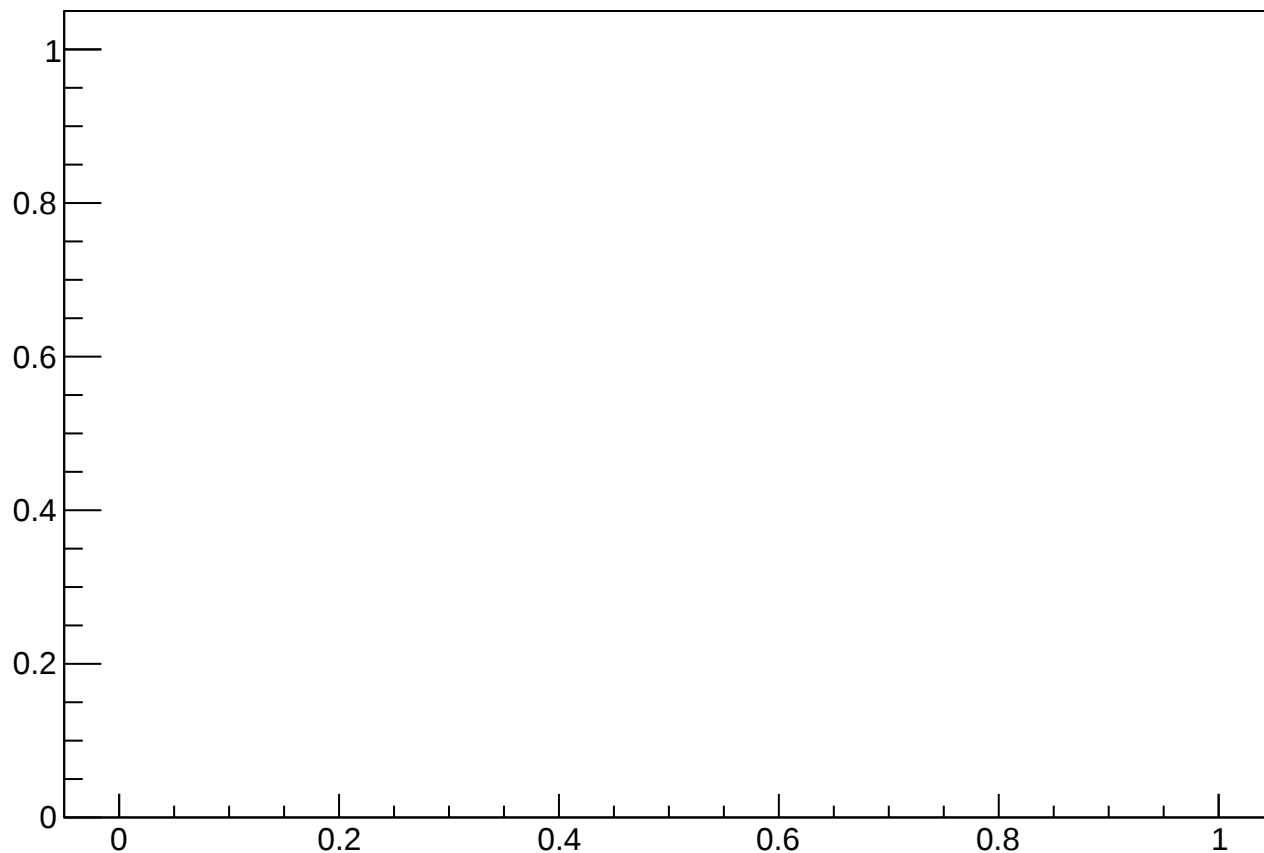
Right Out: 197.210 ± 0.055 χ^2/NDF : 927165.0/19

Left In: 215.862 ± 0.078 χ^2/NDF : 363769.0/4

210.627 ± 0.045 χ^2/NDF : 963290.5/23

203.358 ± 0.045 χ^2/NDF : 1329102.7/24

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

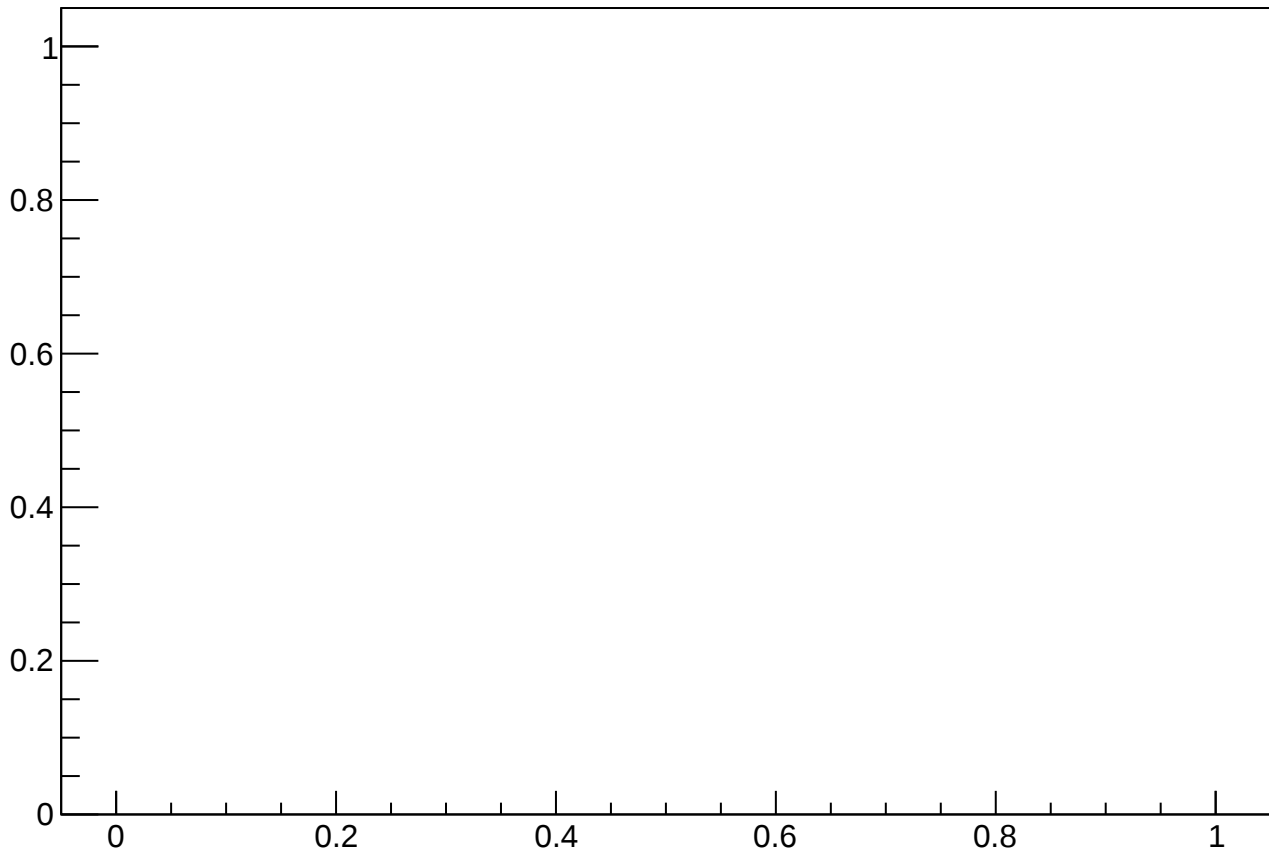
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

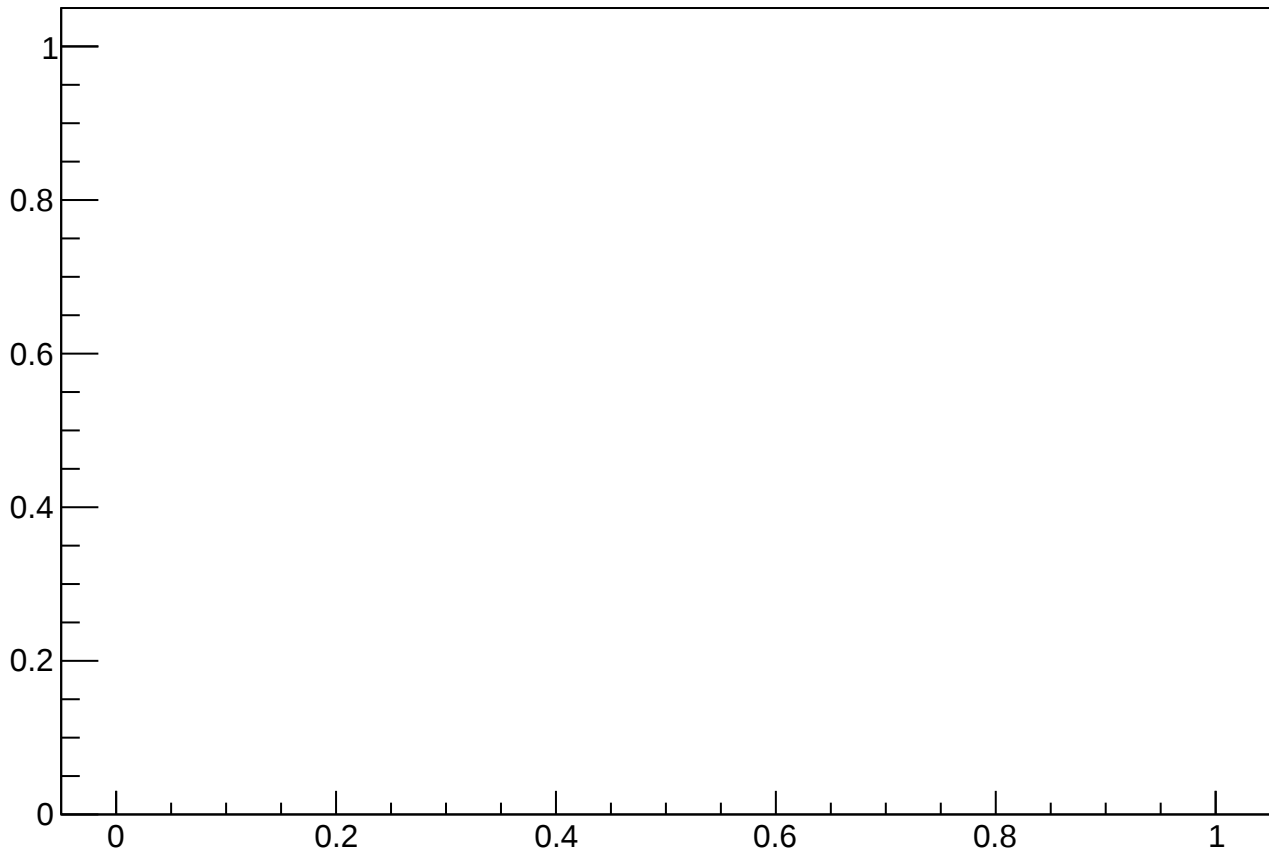
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

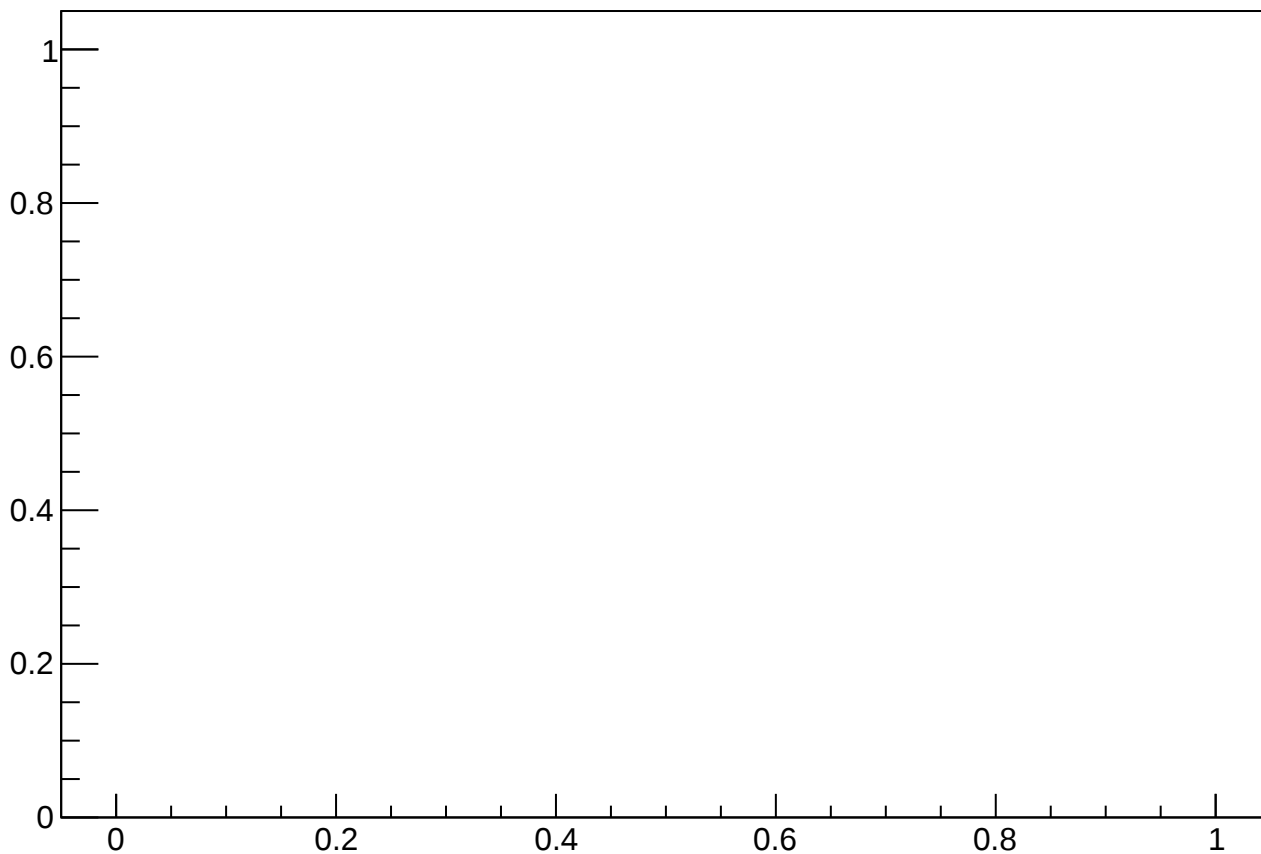
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

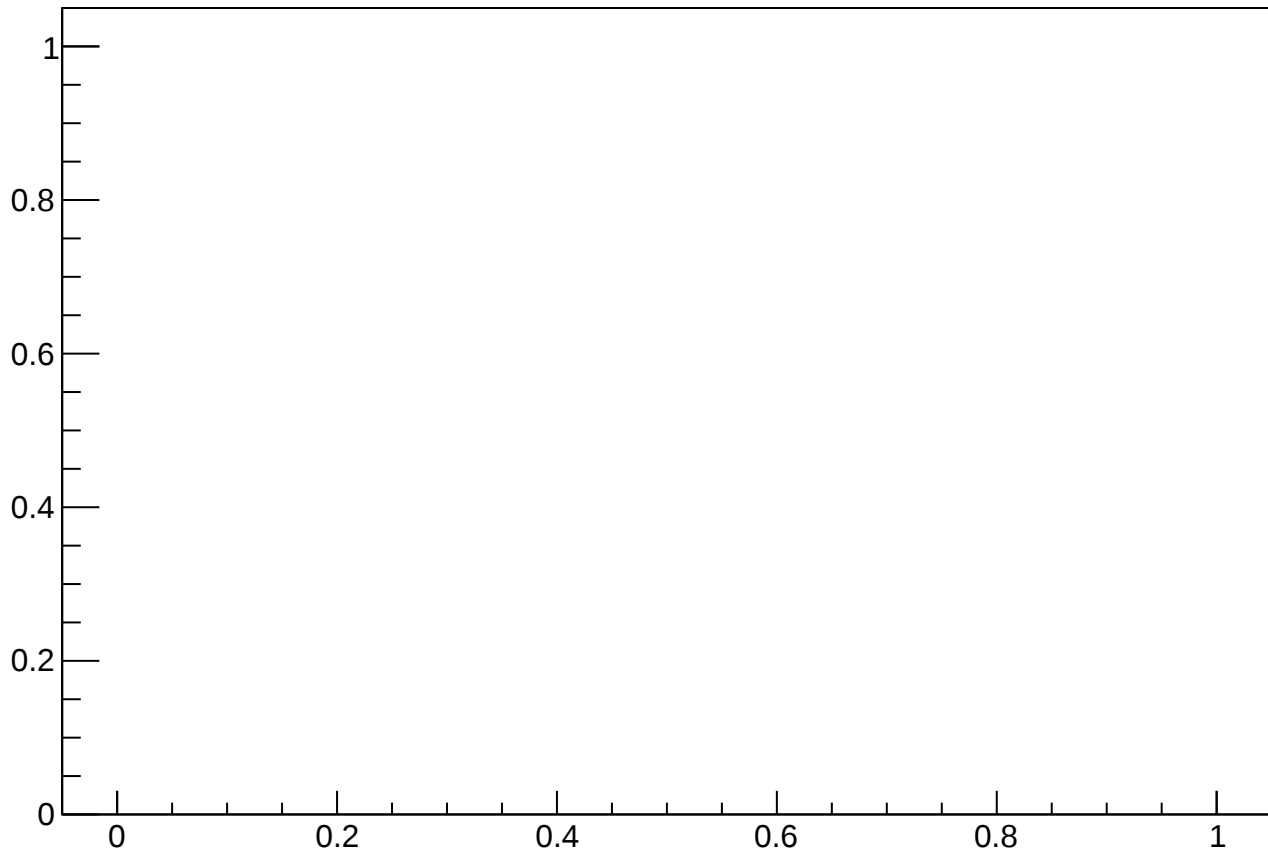
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

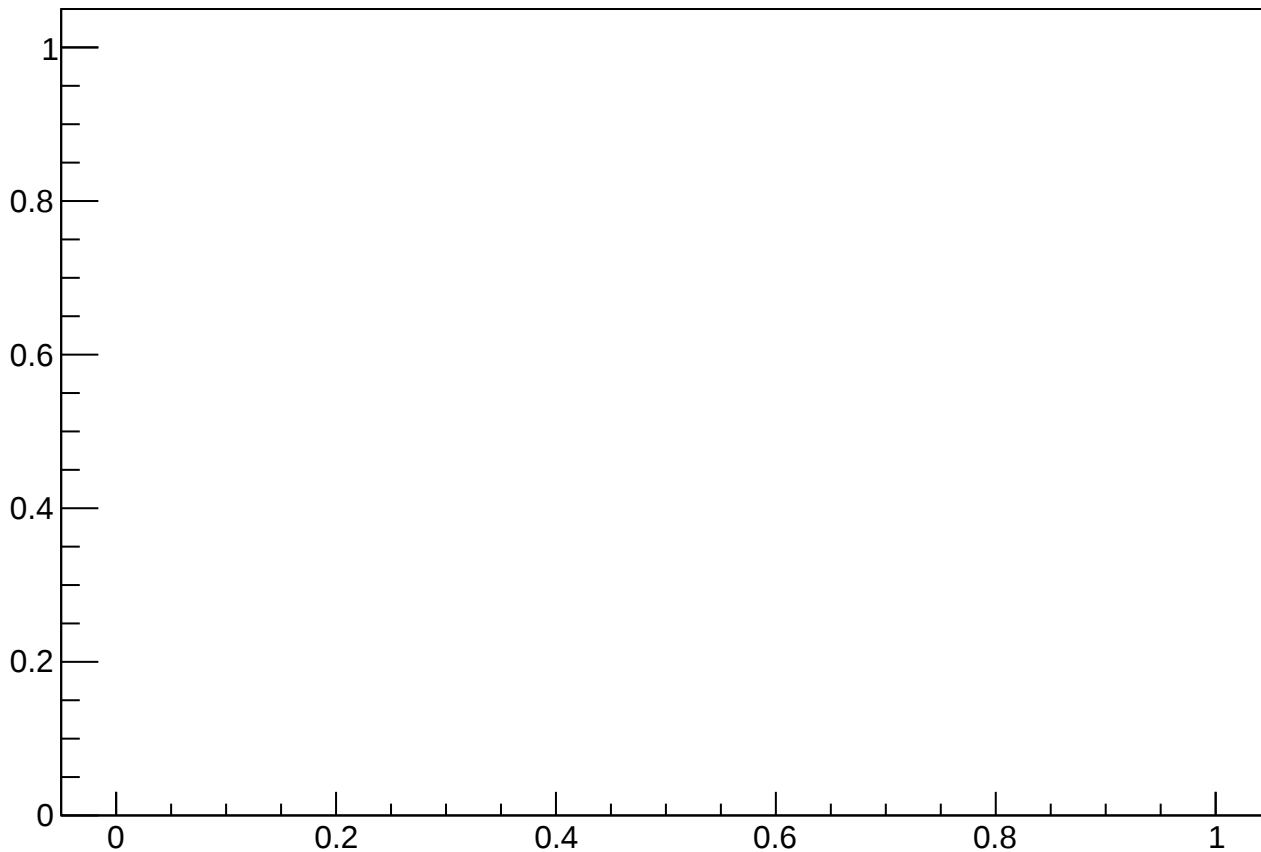
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

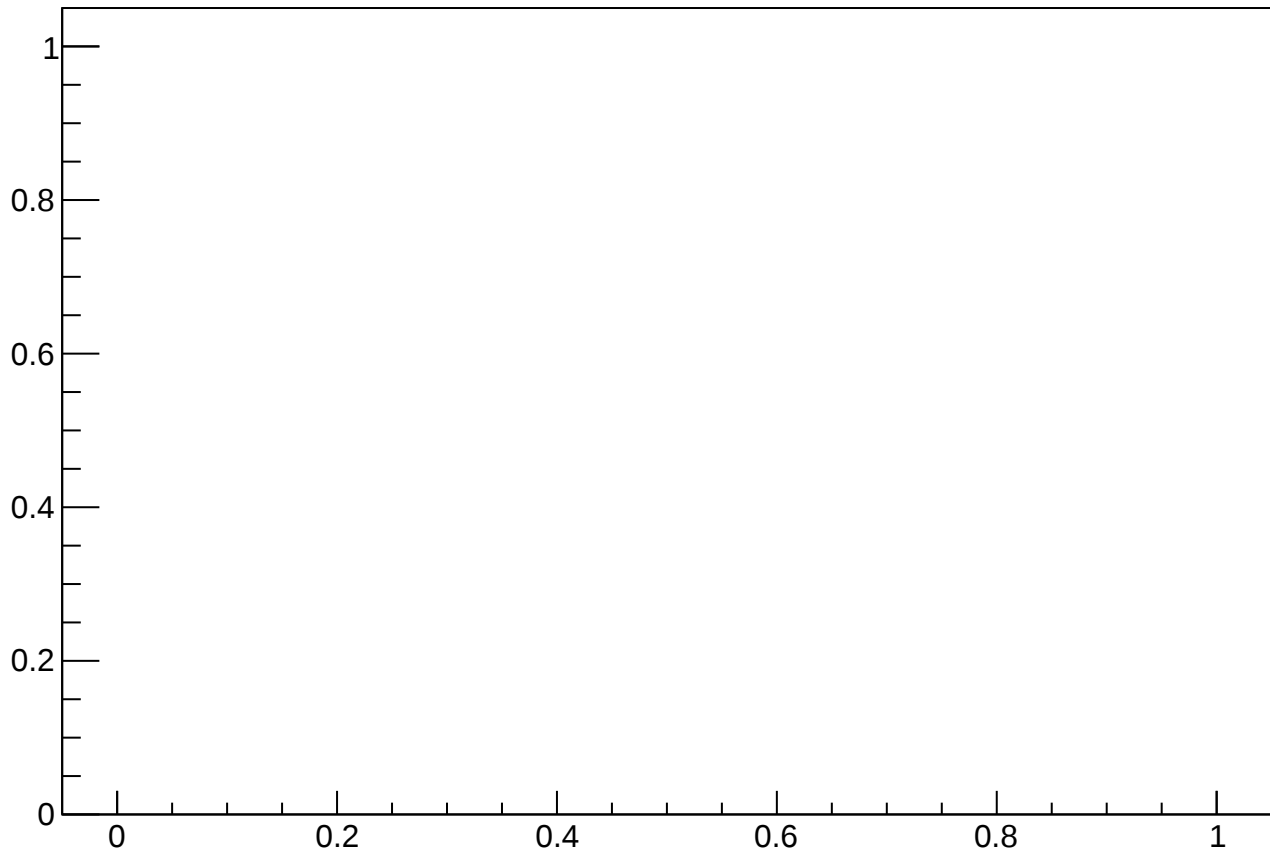
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

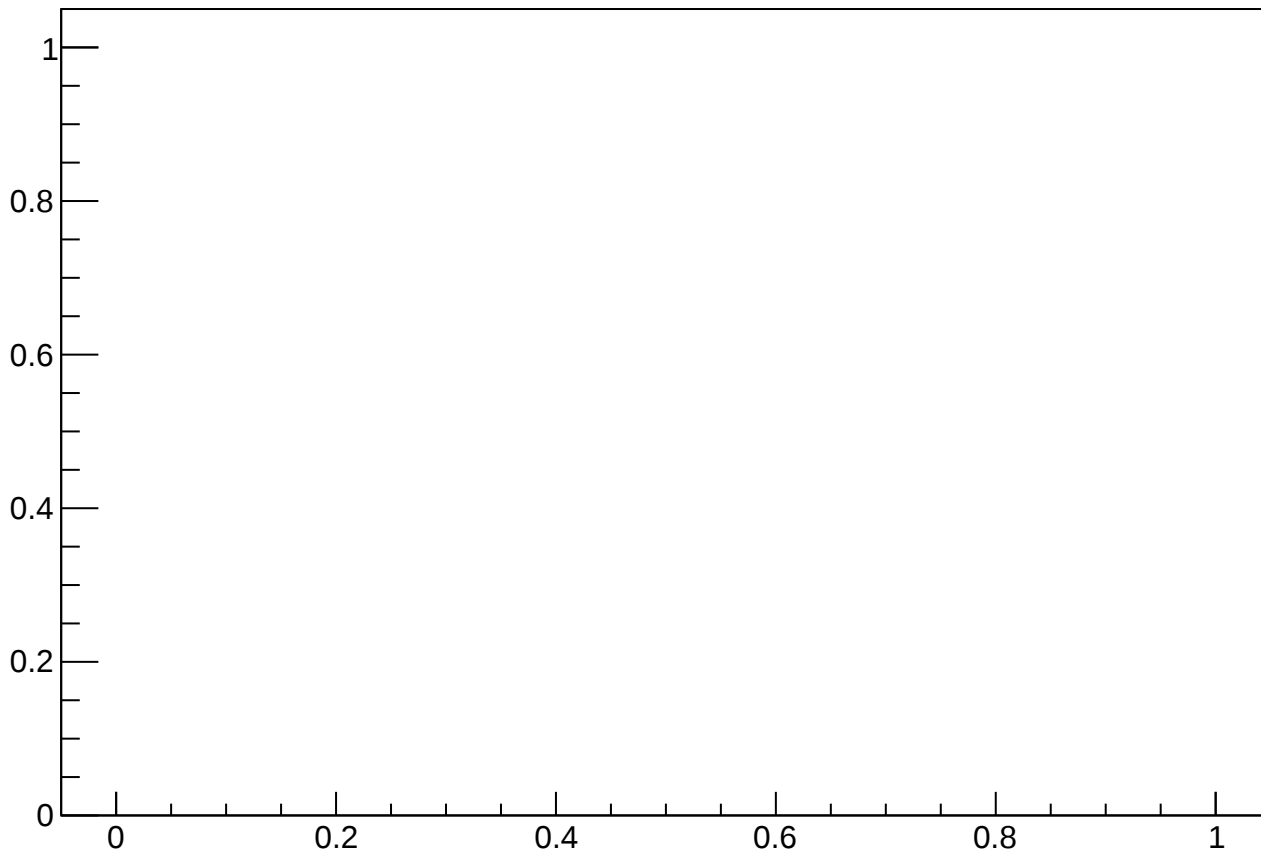
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

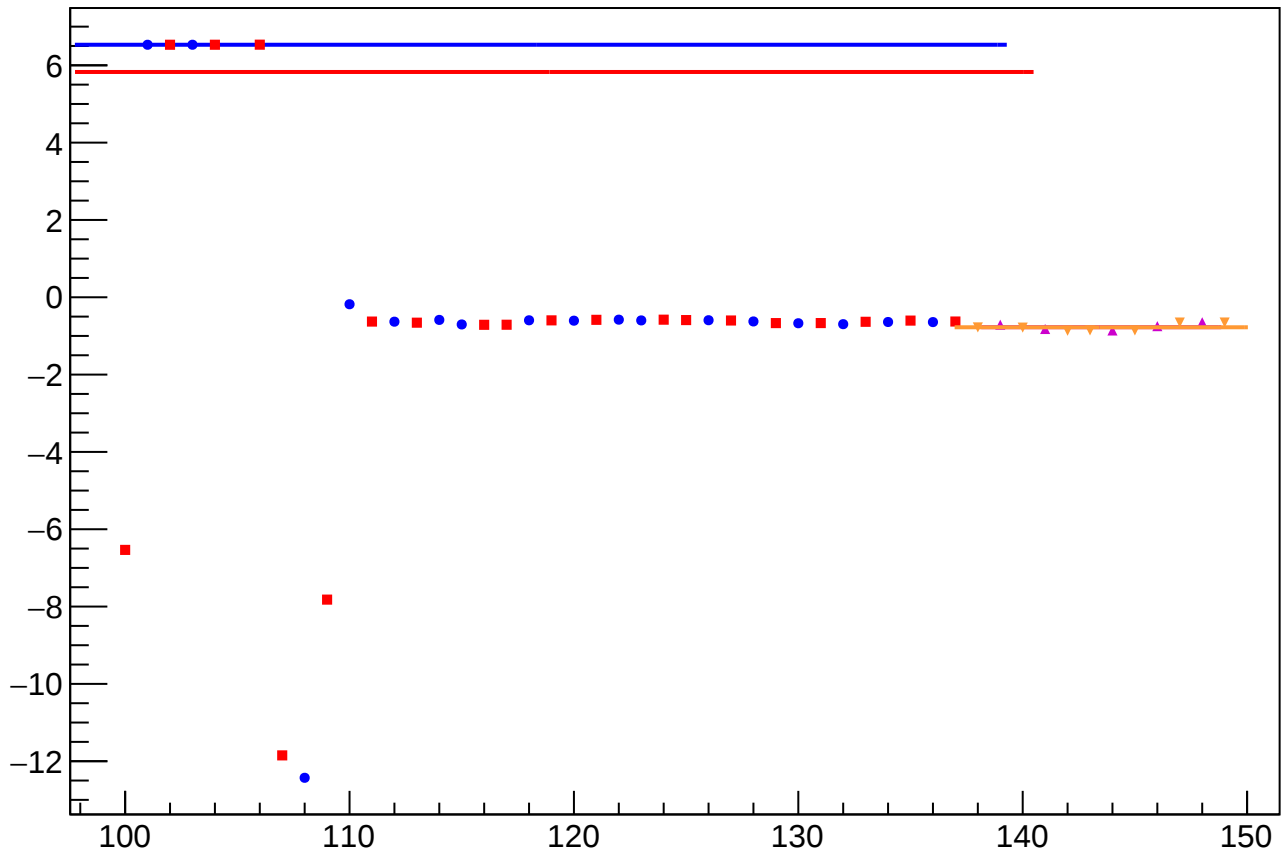
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.776 $\pm$ 0.000 χ^2 /NDF: 41157637.9/6

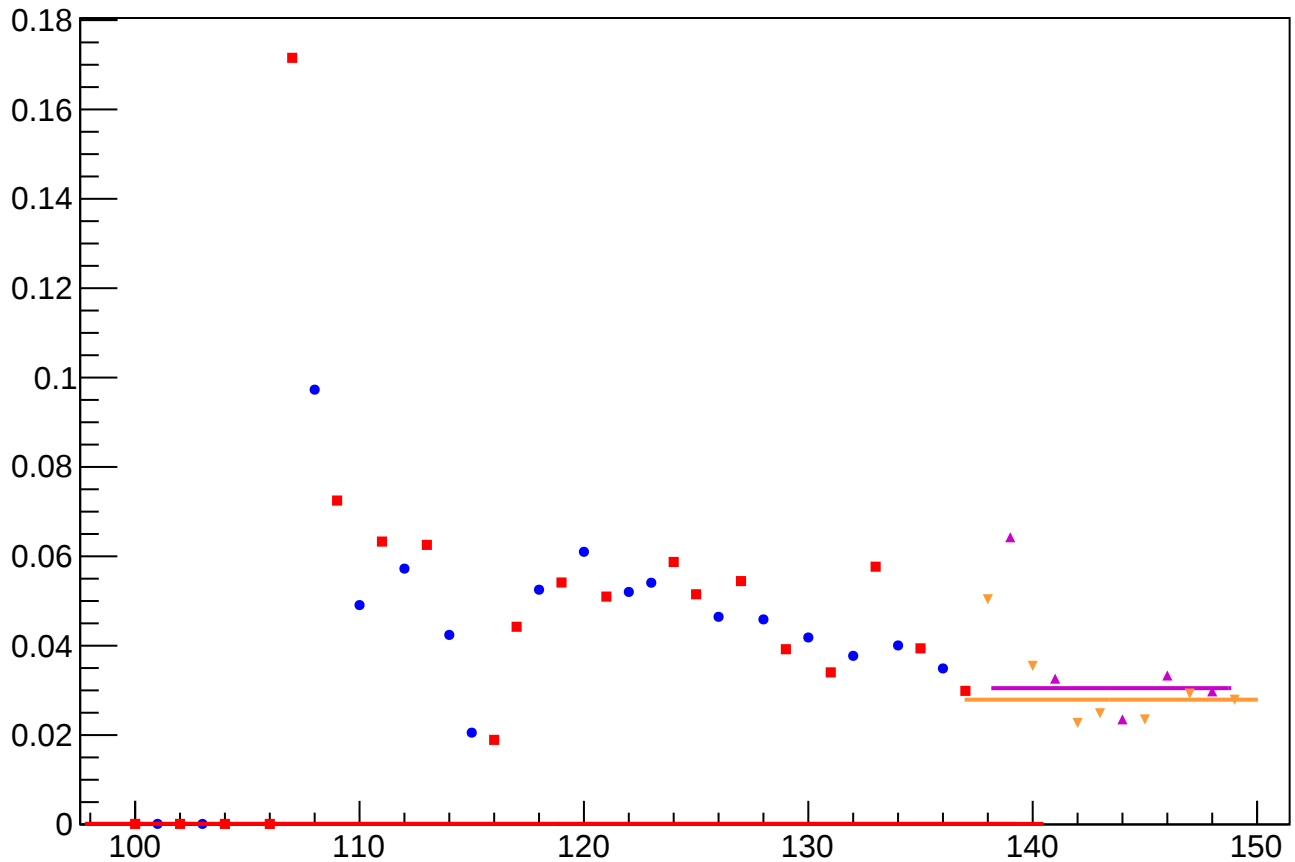
6.531 $\pm$ 0.000 χ^2 /NDF: 373697039938.5/23

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755964092355063.0/19

5.827 $\pm$ 0.000 χ^2 /NDF: 756102451708600.6/24

Left In: -0.773 $\pm$ 0.000 χ^2 /NDF: 22746175.4/4

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.028+/-0.000 χ^2/NDF : 376527.7/6

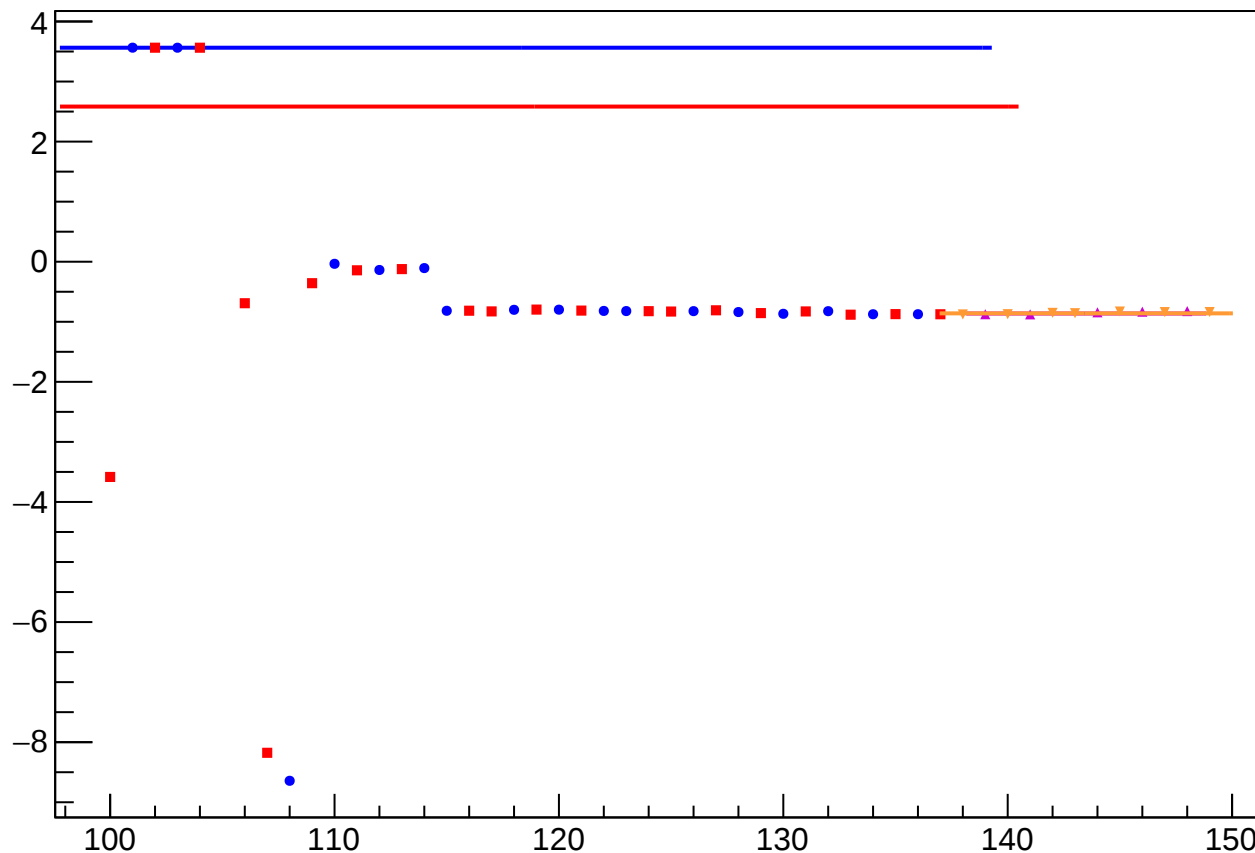
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.031+/-0.000 χ^2/NDF : 511670.5/4

0.000+/-0.000 χ^2/NDF : 16397155.8/23

0.000+/-0.000 χ^2/NDF : 15801318.5/24

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.860+/-0.000 χ^2/NDF : 15061873.5/6

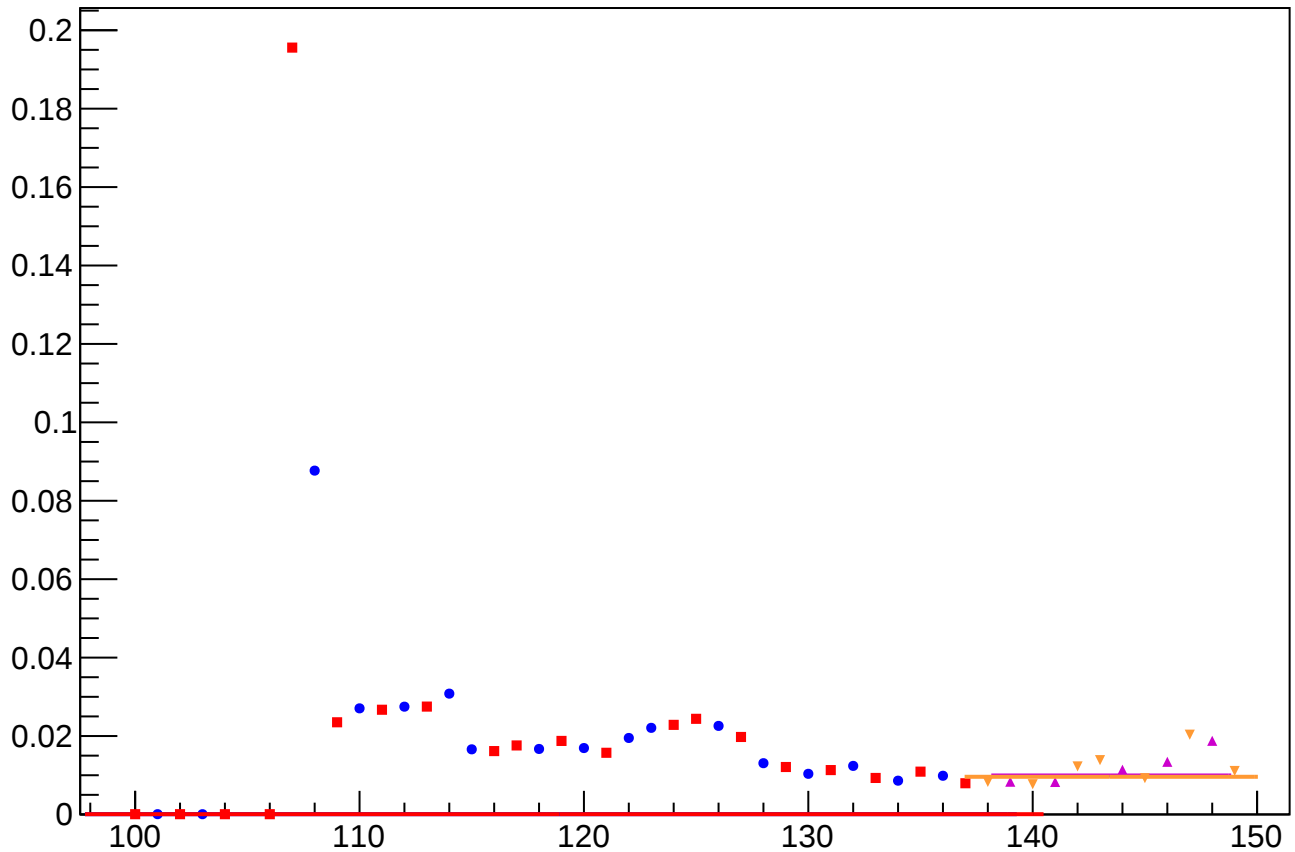
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.863+/-0.000 χ^2/NDF : 11715495.9/4

3.563+/-0.000 χ^2/NDF : 1270383985111.4/23

2.583+/-0.000 χ^2/NDF : 1253880326636468.8/23

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 637407.5/6

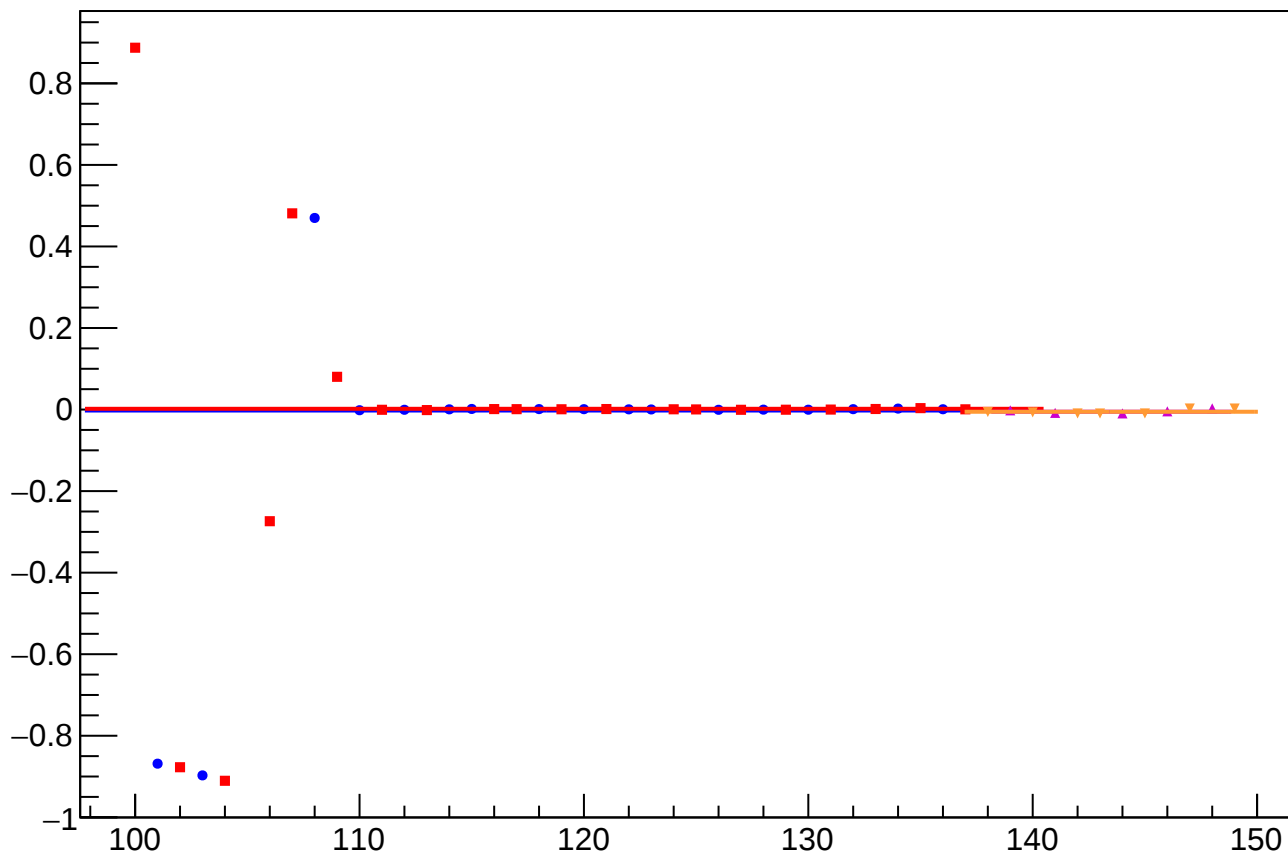
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.010+/-0.000 χ^2/NDF : 515860.3/4

0.000+/-0.000 χ^2/NDF : 17697908.4/23

0.000+/-0.000 χ^2/NDF : 16635562.0/24

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.005+/-0.000 χ^2/NDF : 47458202.3/6

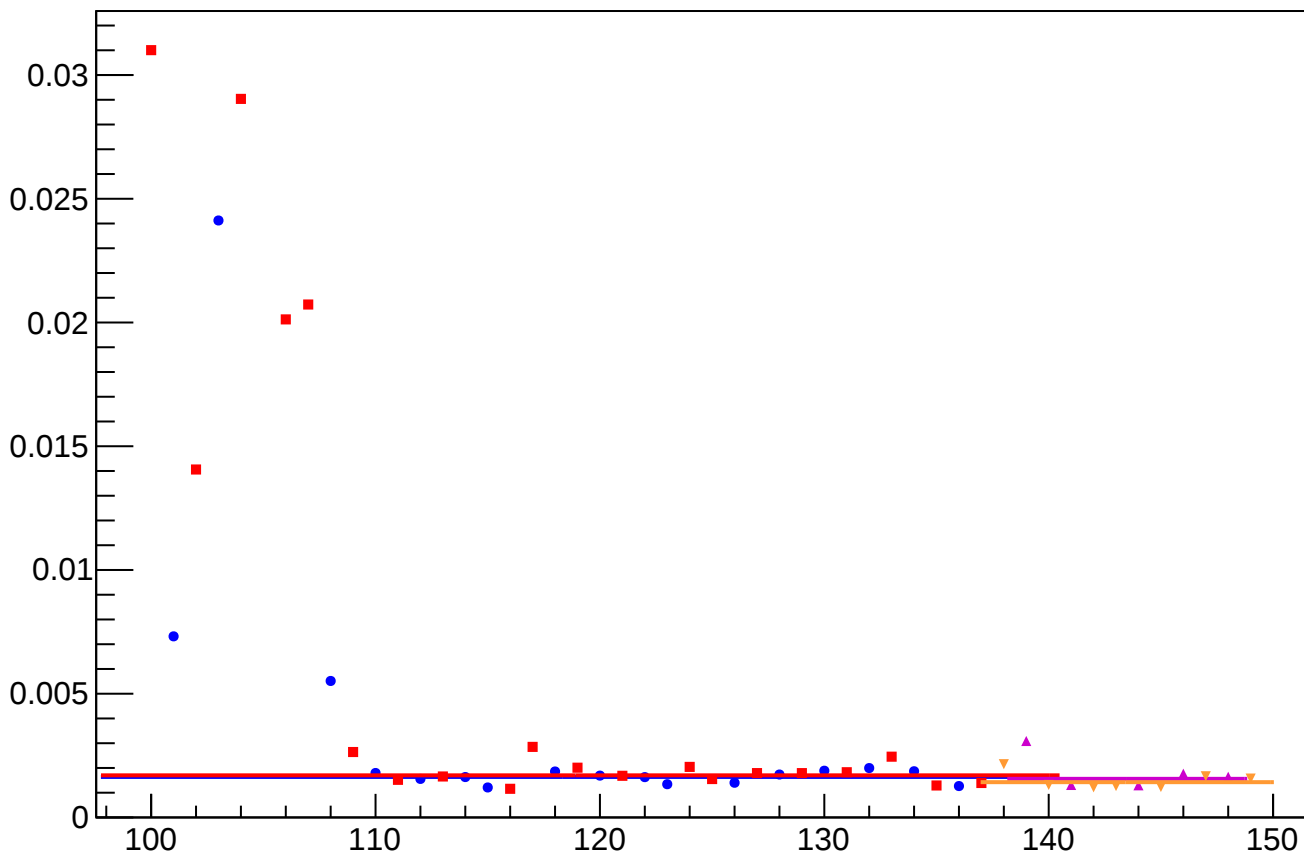
Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

Left In: -0.005+/-0.000 χ^2/NDF : 26670316.3/4

-0.004+/-0.000 χ^2/NDF : 9850222748.7/23

-0.001+/-0.000 χ^2/NDF : 3103342808.6/24

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:239297.3/6

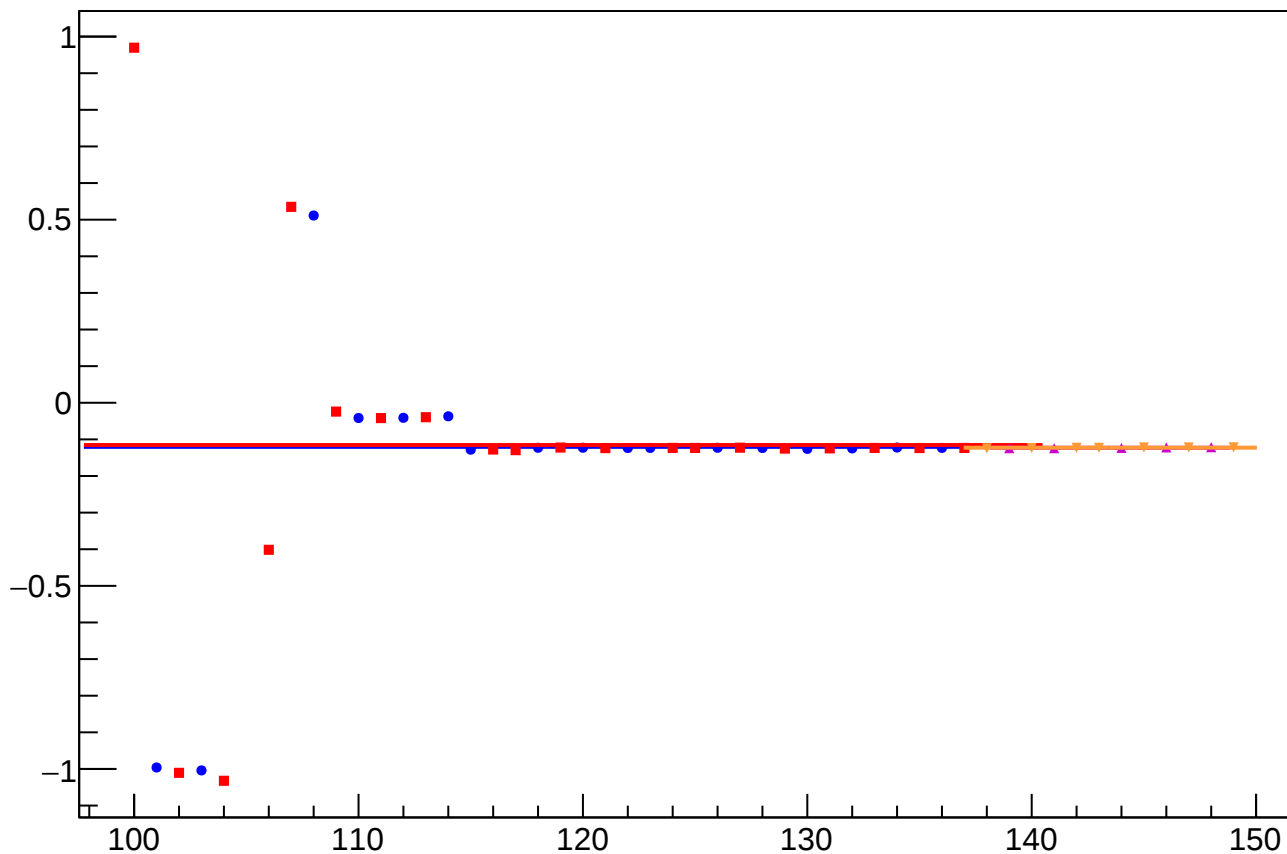
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3037006.7/19

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:465961.7/4

0.002 $\pm$ 0.000 χ^2 /NDF: 2232839.4/23

0.002 $\pm$ 0.000 χ^2 /NDF: 3530487.3/24

yield_cav4cY_mean vs Slug



Right In: -0.120 ± 0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.123 ± 0.000 χ^2/NDF : 2750361.0/6

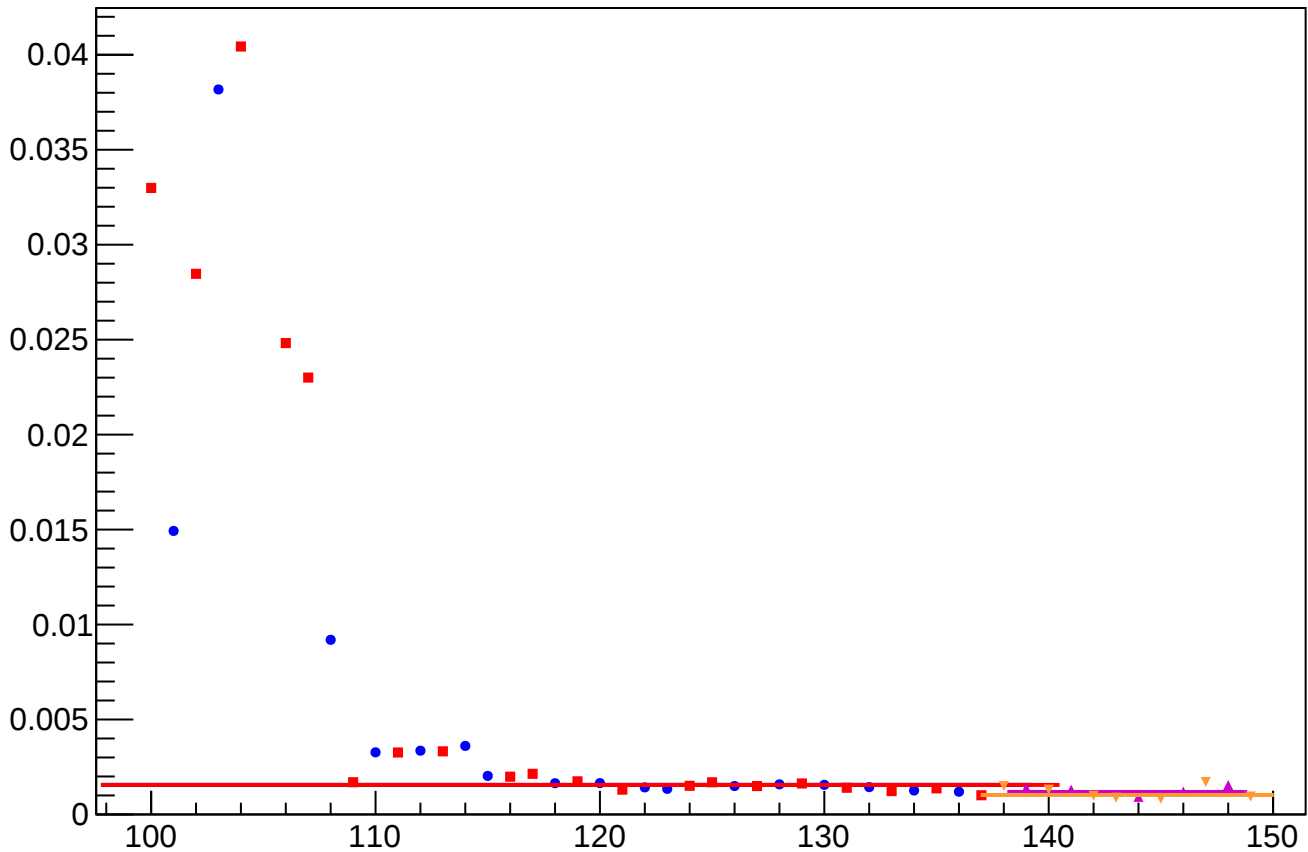
Right Out: -0.115 ± 0.000 χ^2/NDF : 2458475073.1/19

Left In: -0.123 ± 0.000 χ^2/NDF : 2336332.7/4

-0.122 ± 0.000 χ^2/NDF : 3941836314.1/23

-0.120 ± 0.000 χ^2/NDF : 2521694269.8/24

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 :558617.8/6

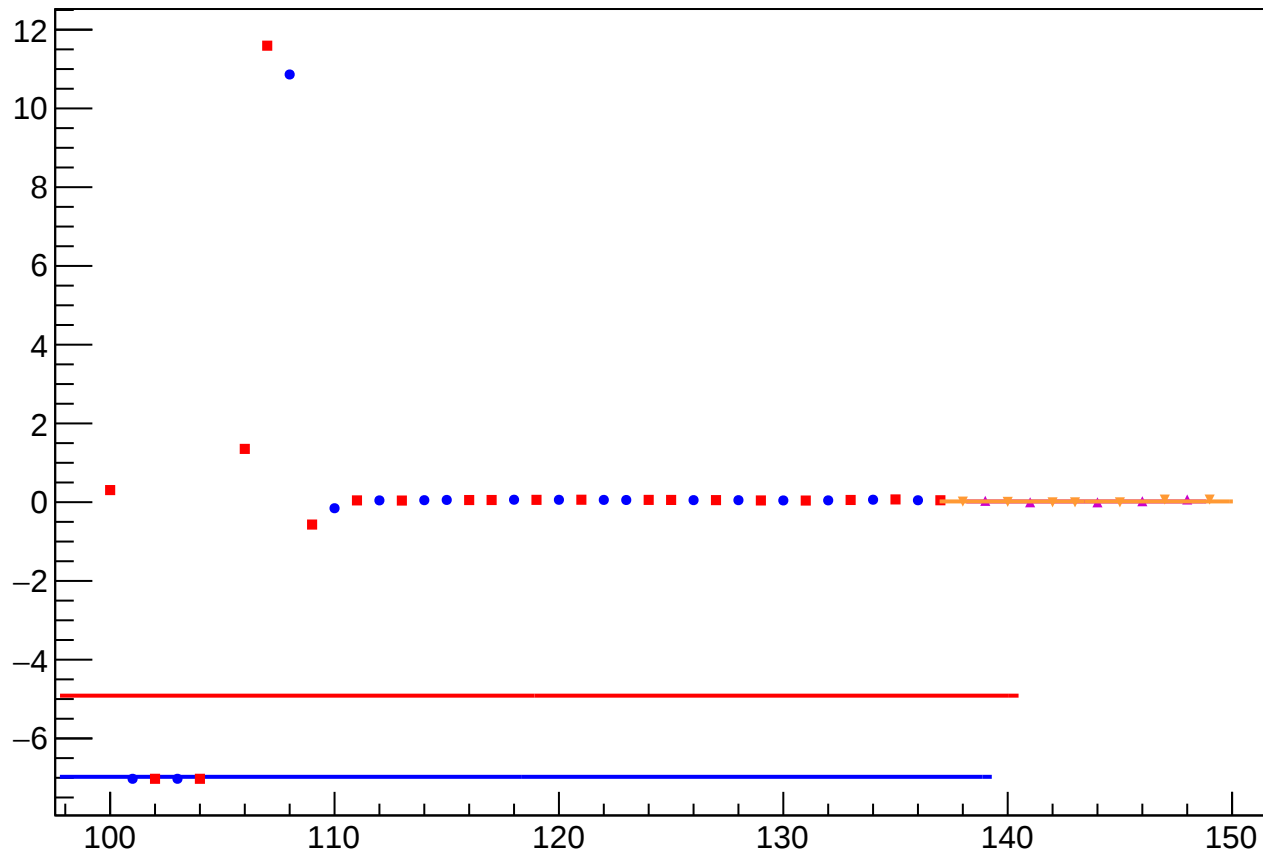
0.001+/-0.000 χ^2/NDF : 4186122.9/23

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

0.001+/-0.000 χ^2/NDF : 4093522.4/24

Left In: 0.001+/-0.000 χ^2/NDF :250254.9/4

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.019+/-0.000 χ^2/NDF : 47093069.6/6

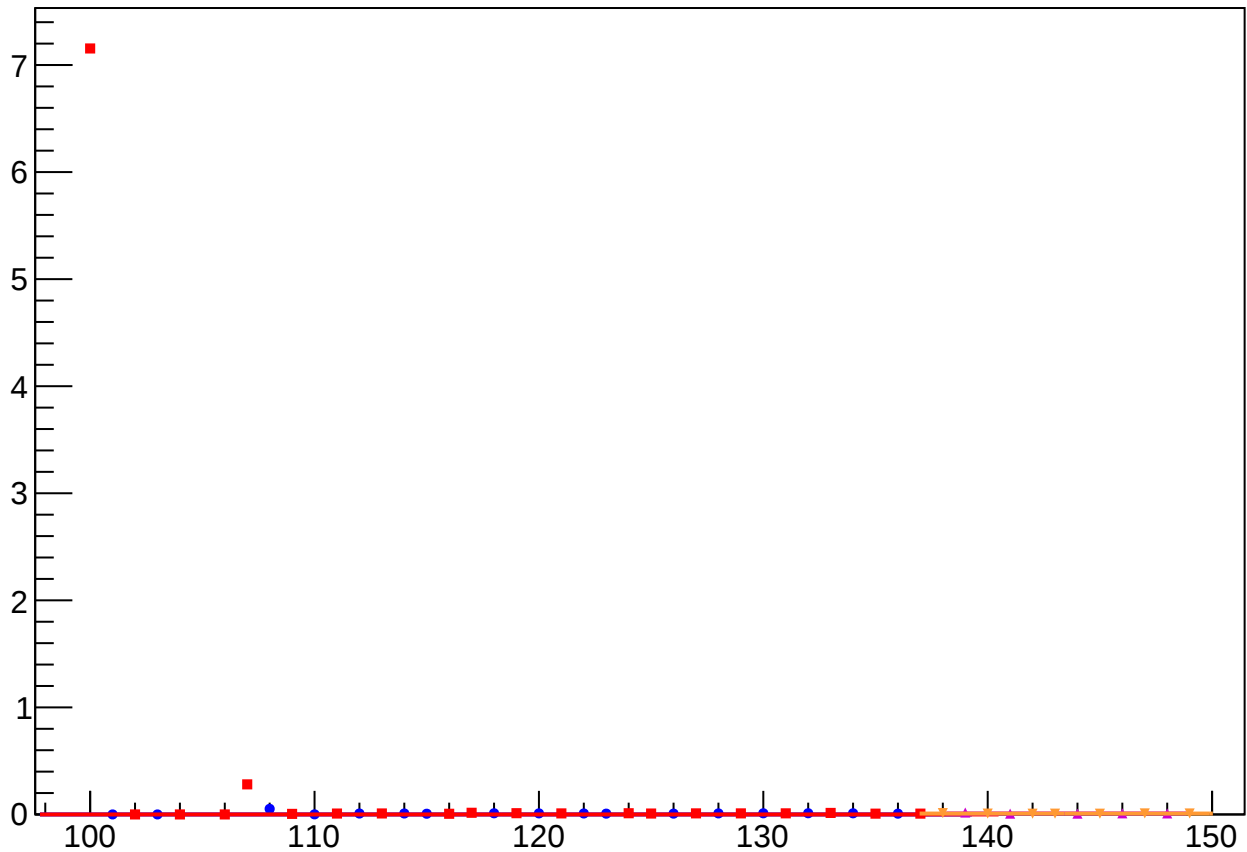
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.018+/-0.000 χ^2/NDF : 27935591.4/4

-6.961+/-0.000 χ^2/NDF : 11254065004543.1/23

-4.907+/-0.000 χ^2/NDF : 366241526309320.6/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.008+/-0.000 χ^2/NDF :242372.9/6

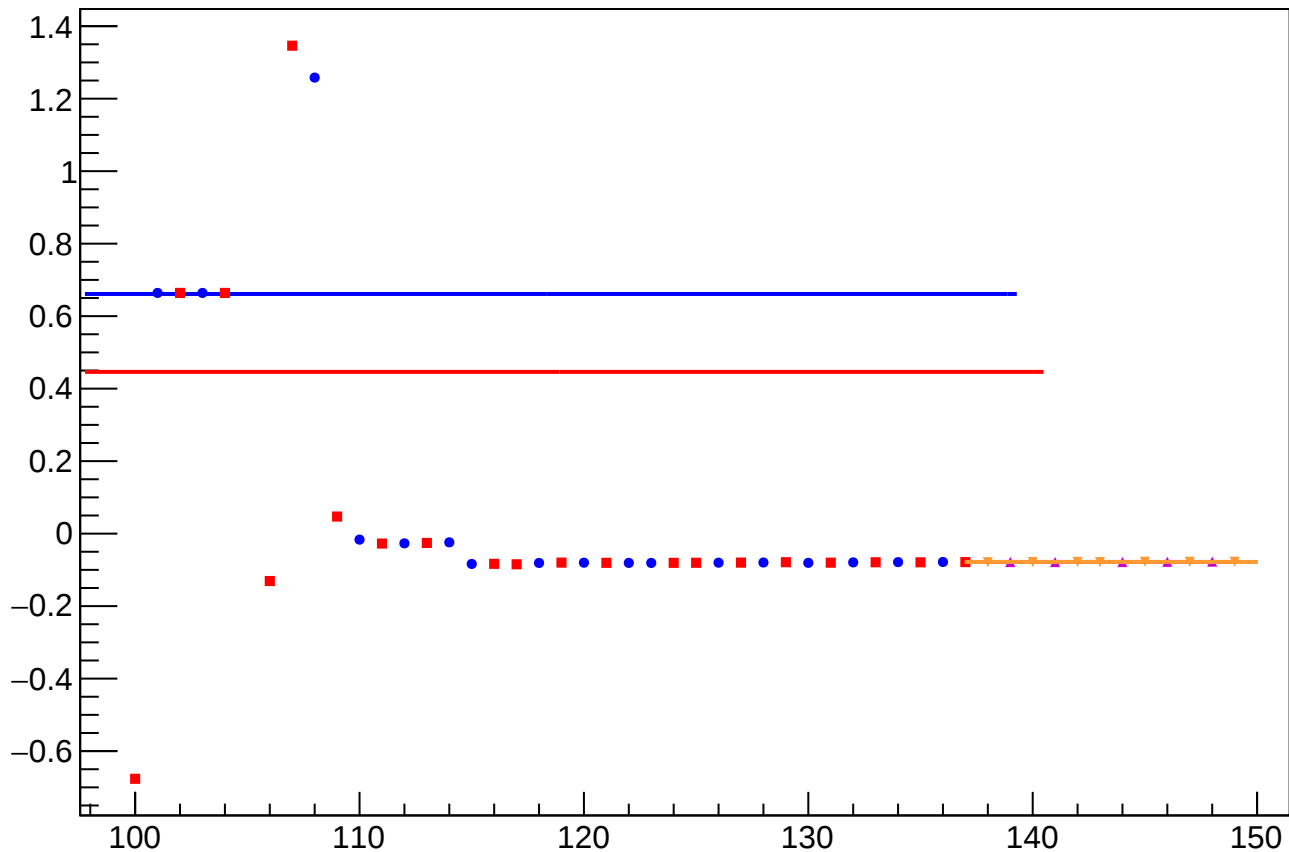
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.009+/-0.000 χ^2/NDF :464936.3/4

0.000+/-0.000 χ^2/NDF : 15430233.8/23

0.000+/-0.000 χ^2/NDF : 15083747.8/24

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.078+/-0.000 χ^2/NDF : 3266571.1/6

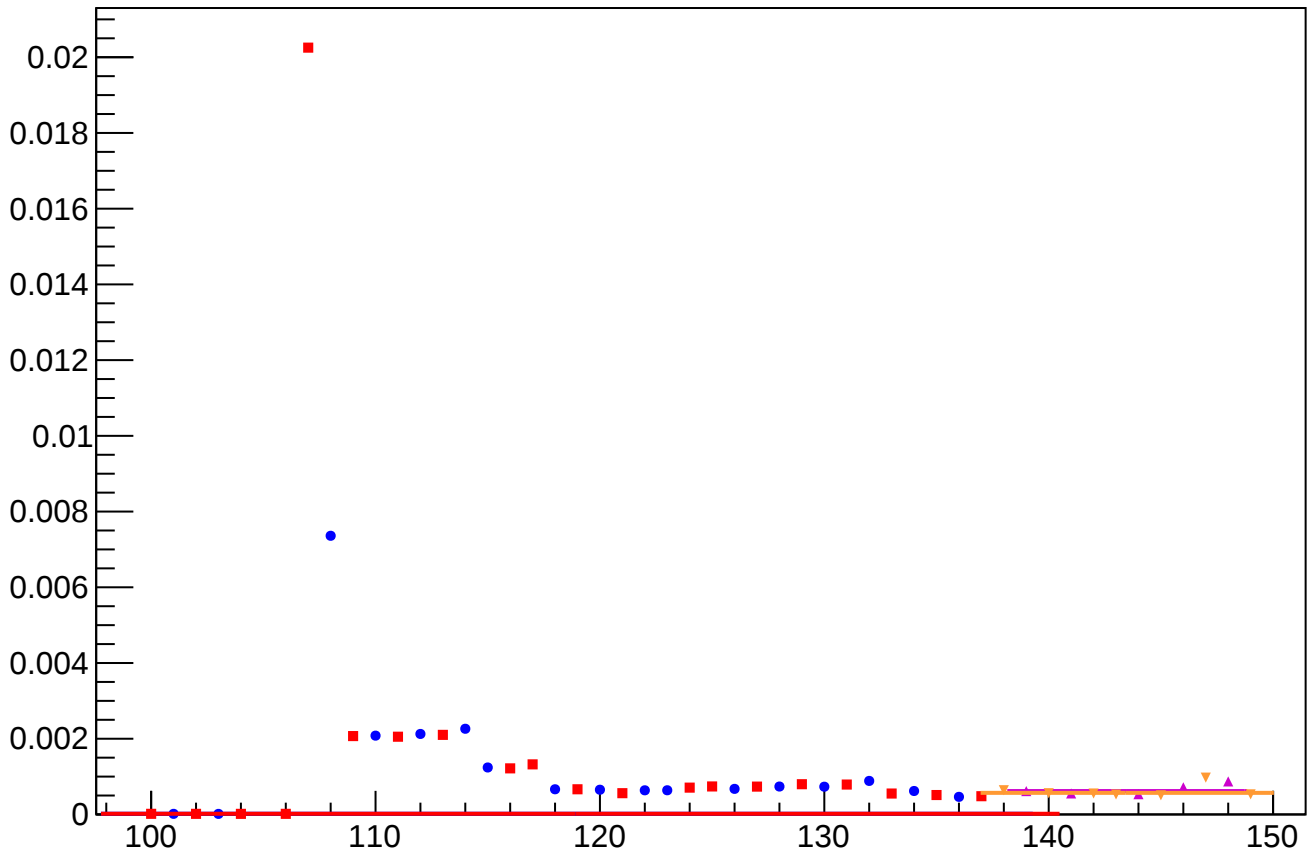
Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

Left In: -0.078+/-0.000 χ^2/NDF : 1448107.0/4

0.657+/-0.000 χ^2/NDF : 13269813038246.6/23

0.444+/-0.000 χ^2/NDF : 408103801608894.1/24

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 : 314636.8/6

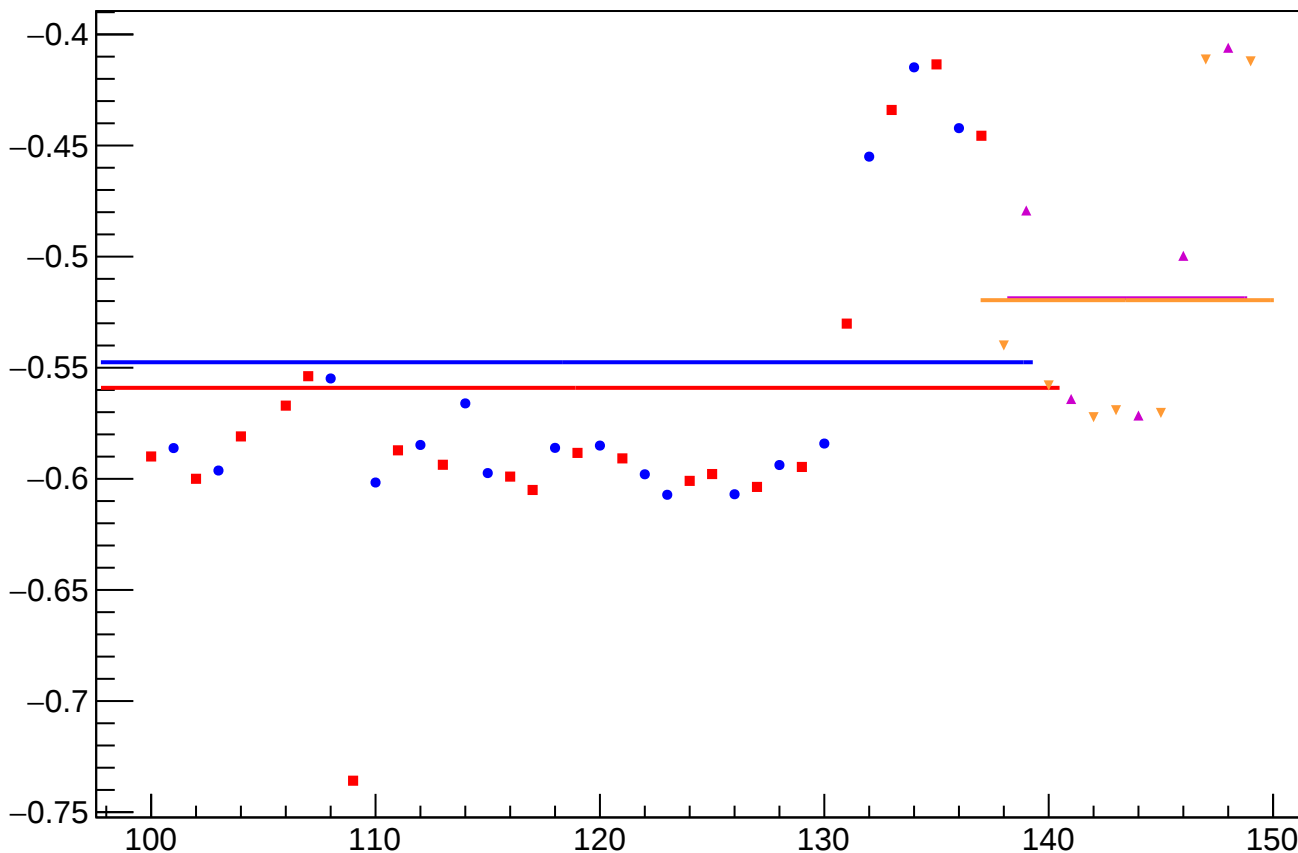
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF : 218963.9/4

0.000+/-0.000 χ^2/NDF : 18737281.2/23

0.000+/-0.000 χ^2/NDF : 16774807.3/24

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.520 ± 0.000 χ^2/NDF : 50820627.5/6

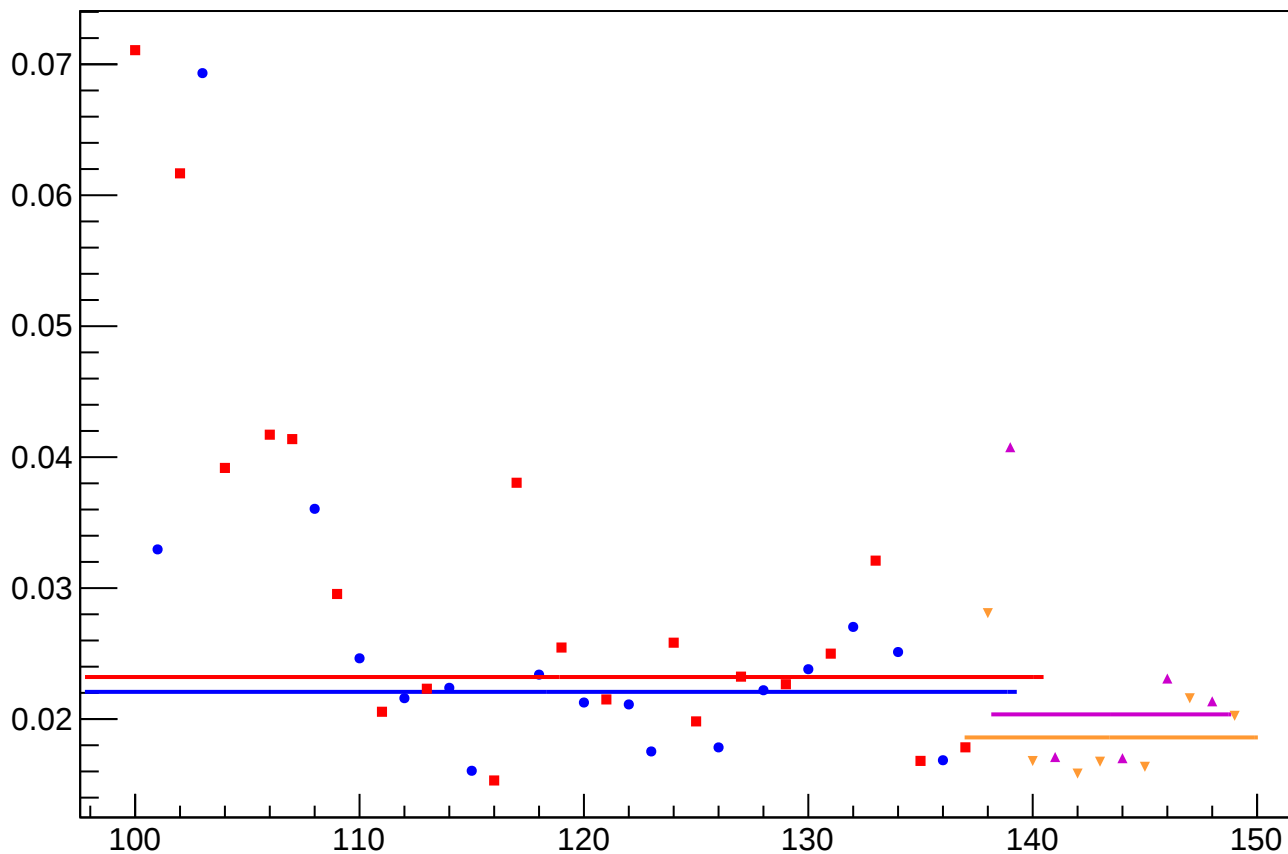
Right Out: -0.559 ± 0.000 χ^2/NDF : 65389755.0/19

Left In: -0.519 ± 0.000 χ^2/NDF : 29501186.0/4

-0.534 ± 0.000 χ^2/NDF : 103419000.0/23

-0.542 ± 0.000 χ^2/NDF : 101684427.6/24

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 229469.3/6

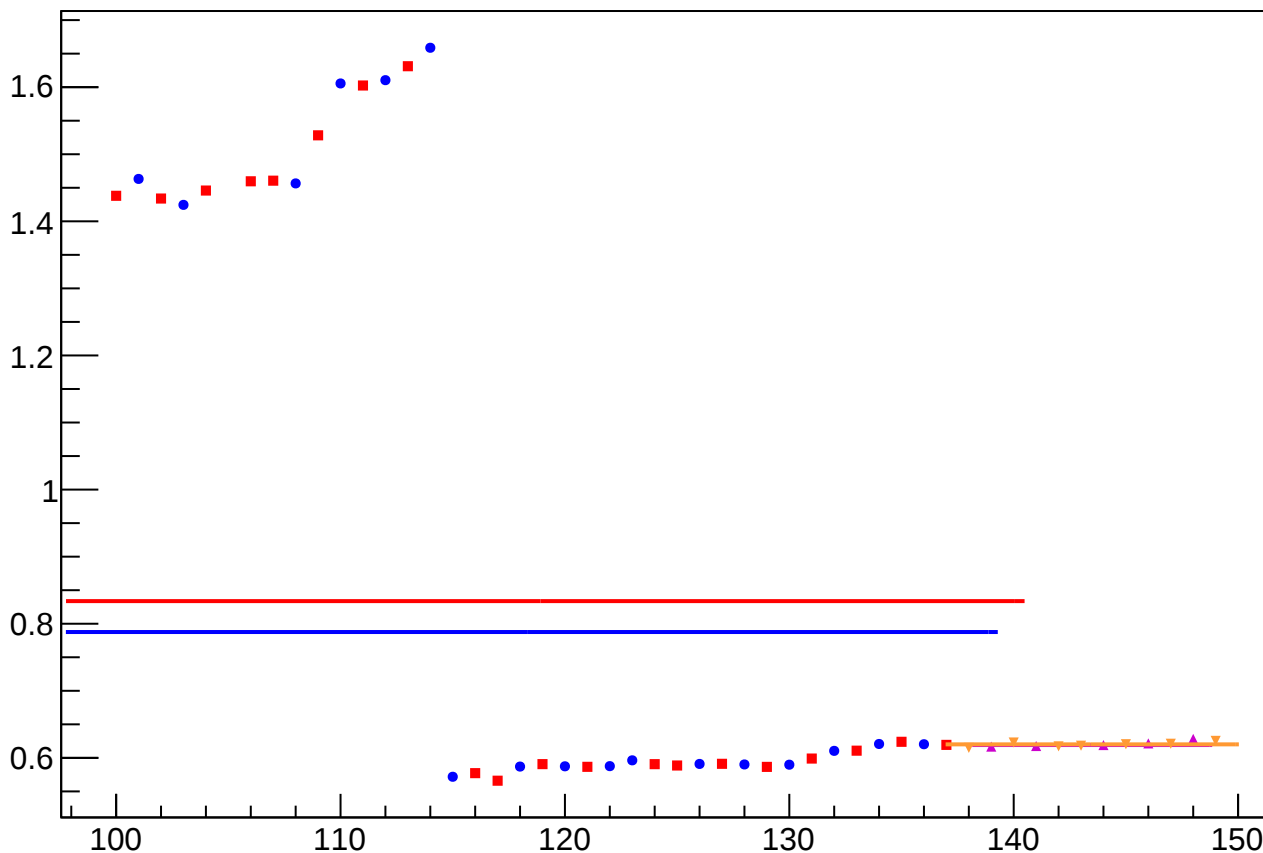
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1169013.8/19

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 472475.8/4

0.020 $\pm$ 0.000 χ^2 /NDF: 1310039.3/23

0.022 $\pm$ 0.000 χ^2 /NDF: 1709580.9/24

yield_bpm4aY_mean vs Slug



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.620+/-0.000 χ^2/NDF : 356617.5/6

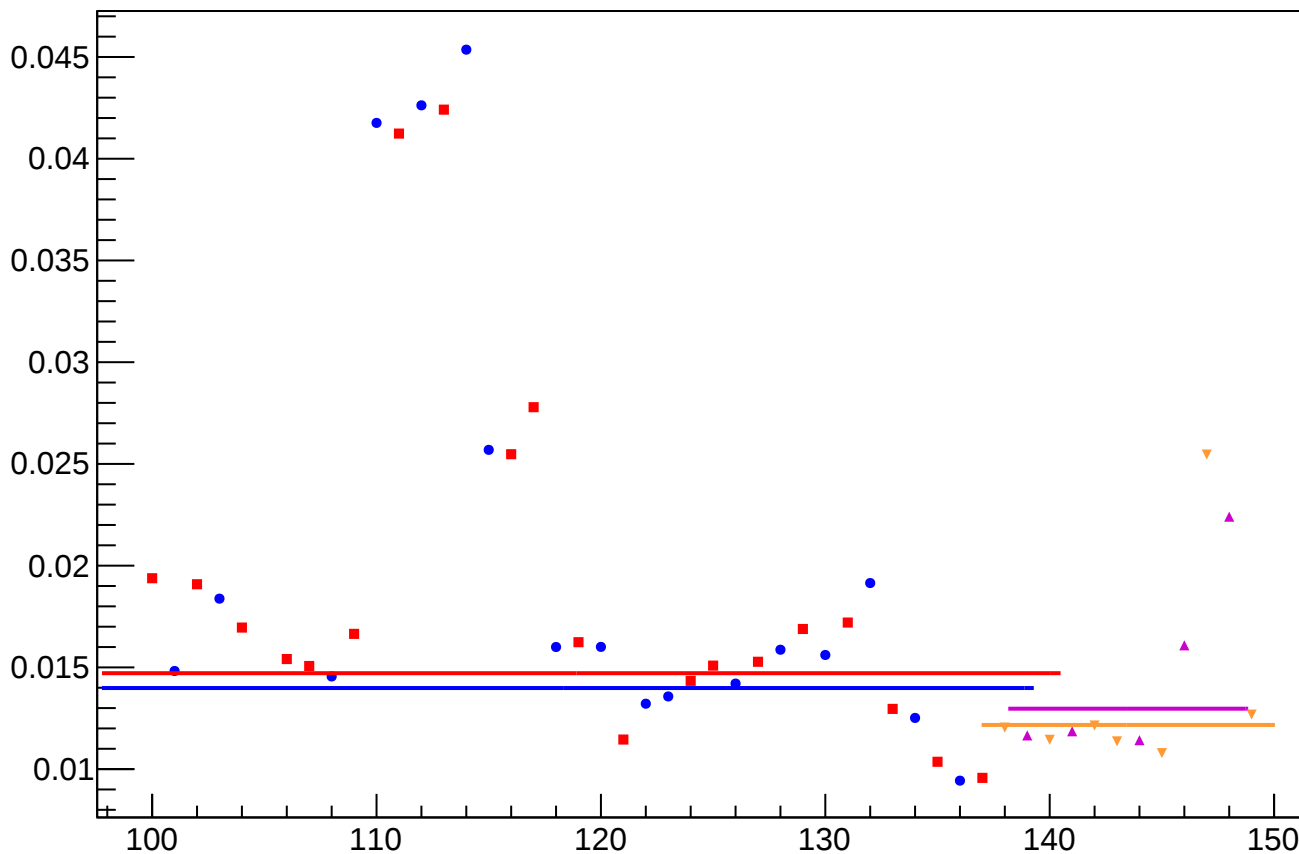
Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

Left In: 0.619+/-0.000 χ^2/NDF : 185326.4/4

0.701+/-0.000 χ^2/NDF : 3998911430.6/23

0.740+/-0.000 χ^2/NDF : 4718045346.2/24

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:444520.3/6

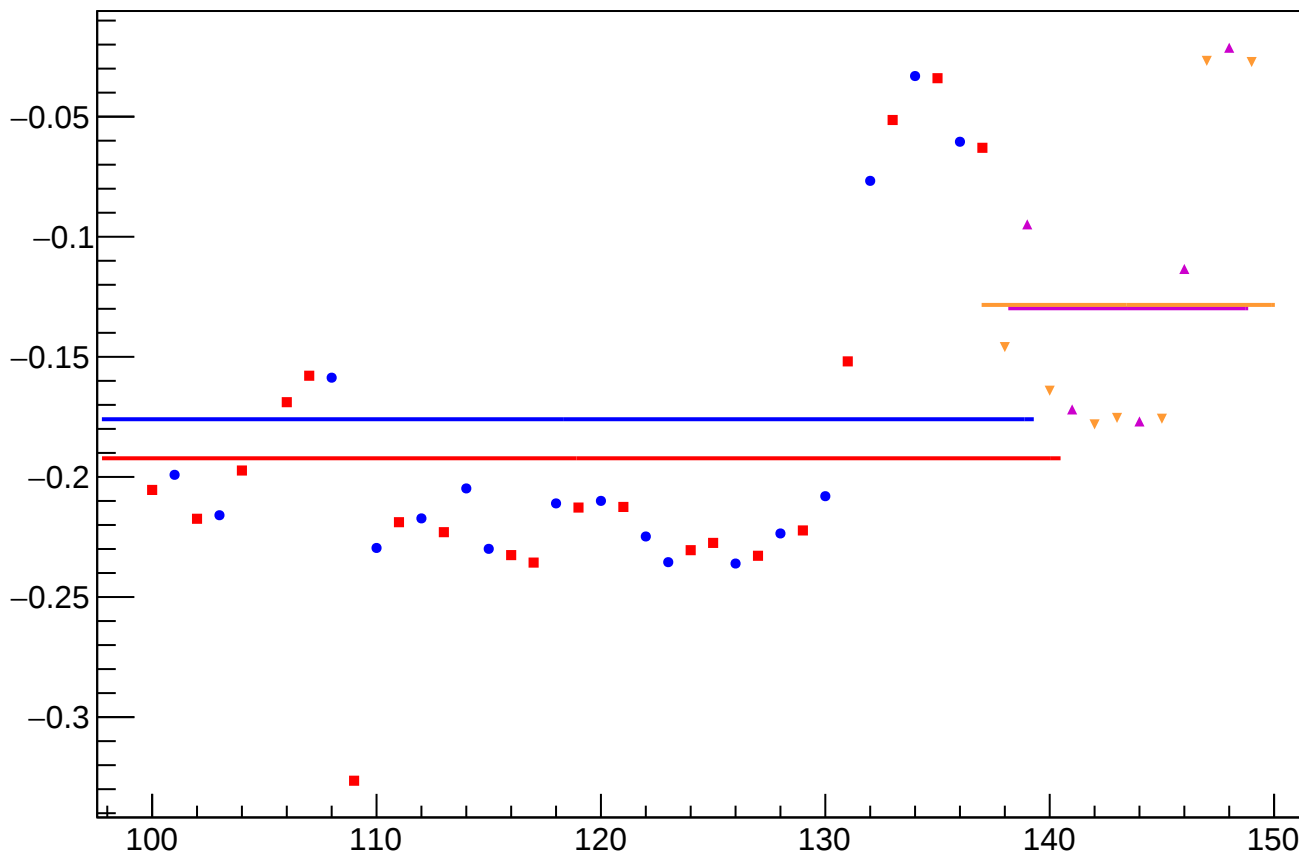
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:386568.9/4

0.013 $\pm$ 0.000 χ^2 /NDF: 1940901.2/23

0.014 $\pm$ 0.000 χ^2 /NDF: 1736368.9/24

yield_bpm4eX_mean vs Slug



Right In: -0.176 ± 0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.128 ± 0.000 χ^2/NDF : 49372563.7/6

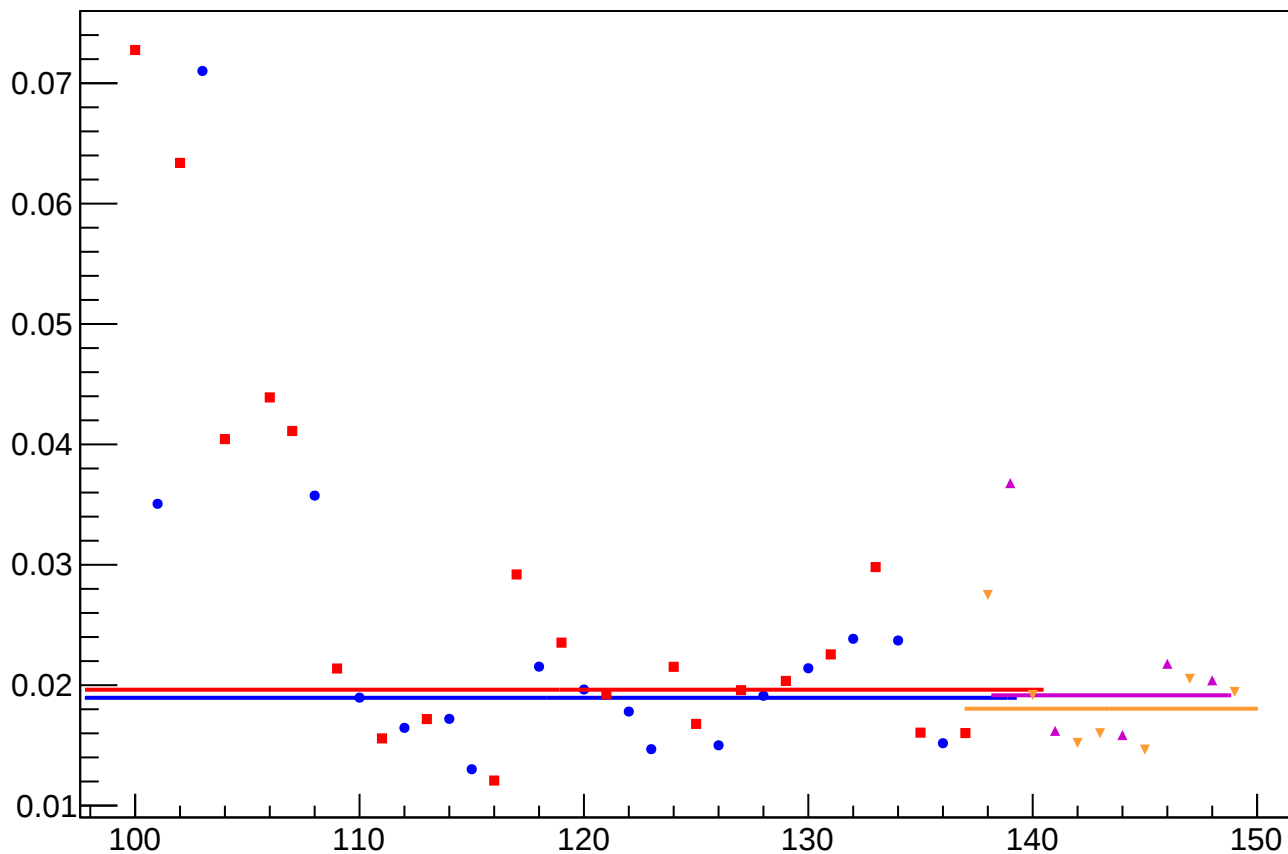
Right Out: -0.192 ± 0.000 χ^2/NDF : 83343025.0/19

Left In: -0.130 ± 0.000 χ^2/NDF : 29217585.7/4

-0.154 ± 0.000 χ^2/NDF : 133579779.2/23

-0.169 ± 0.000 χ^2/NDF : 132545752.8/24

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.018+/-0.000 χ^2/NDF : 268693.3/6

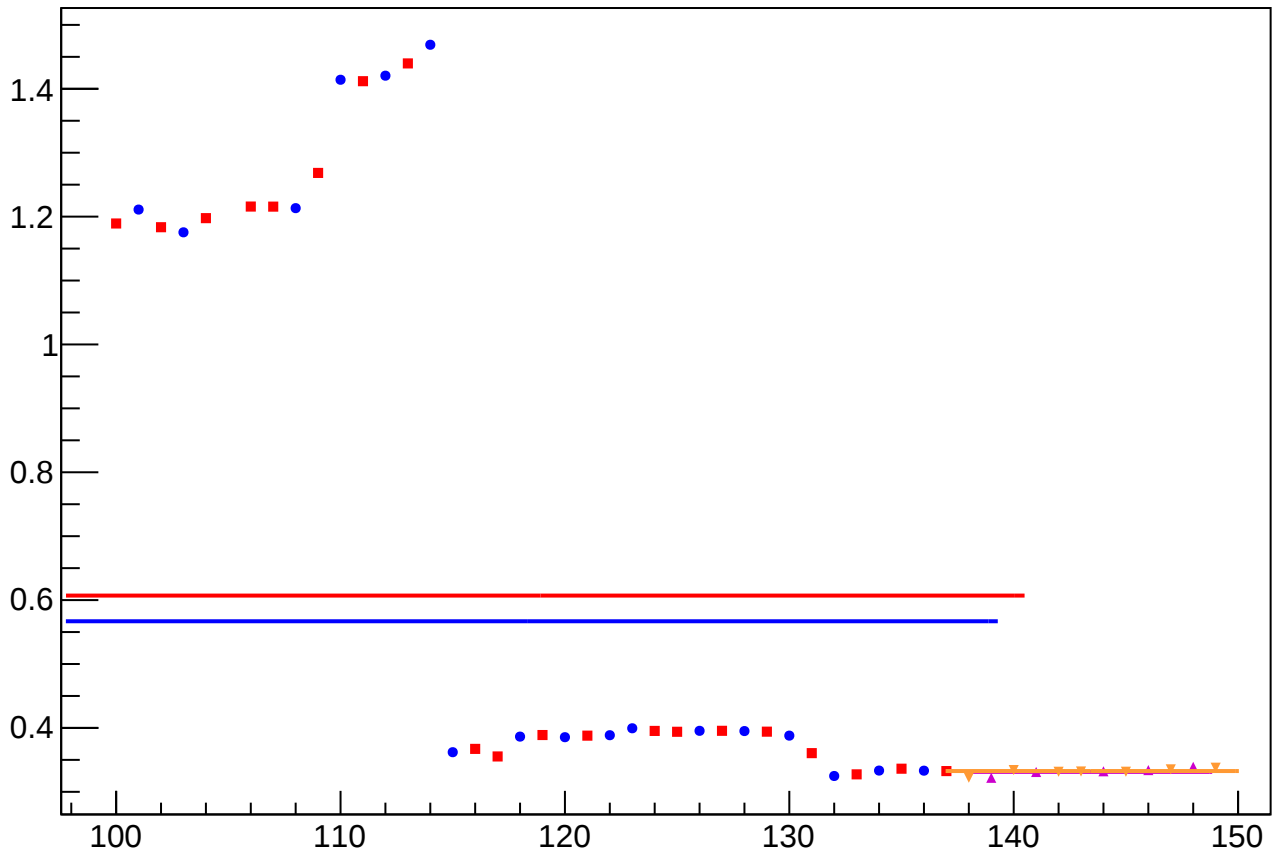
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.019+/-0.000 χ^2/NDF : 448097.4/4

0.019+/-0.000 χ^2/NDF : 1482161.3/23

0.019+/-0.000 χ^2/NDF : 1914293.5/24

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF:678133.1/6

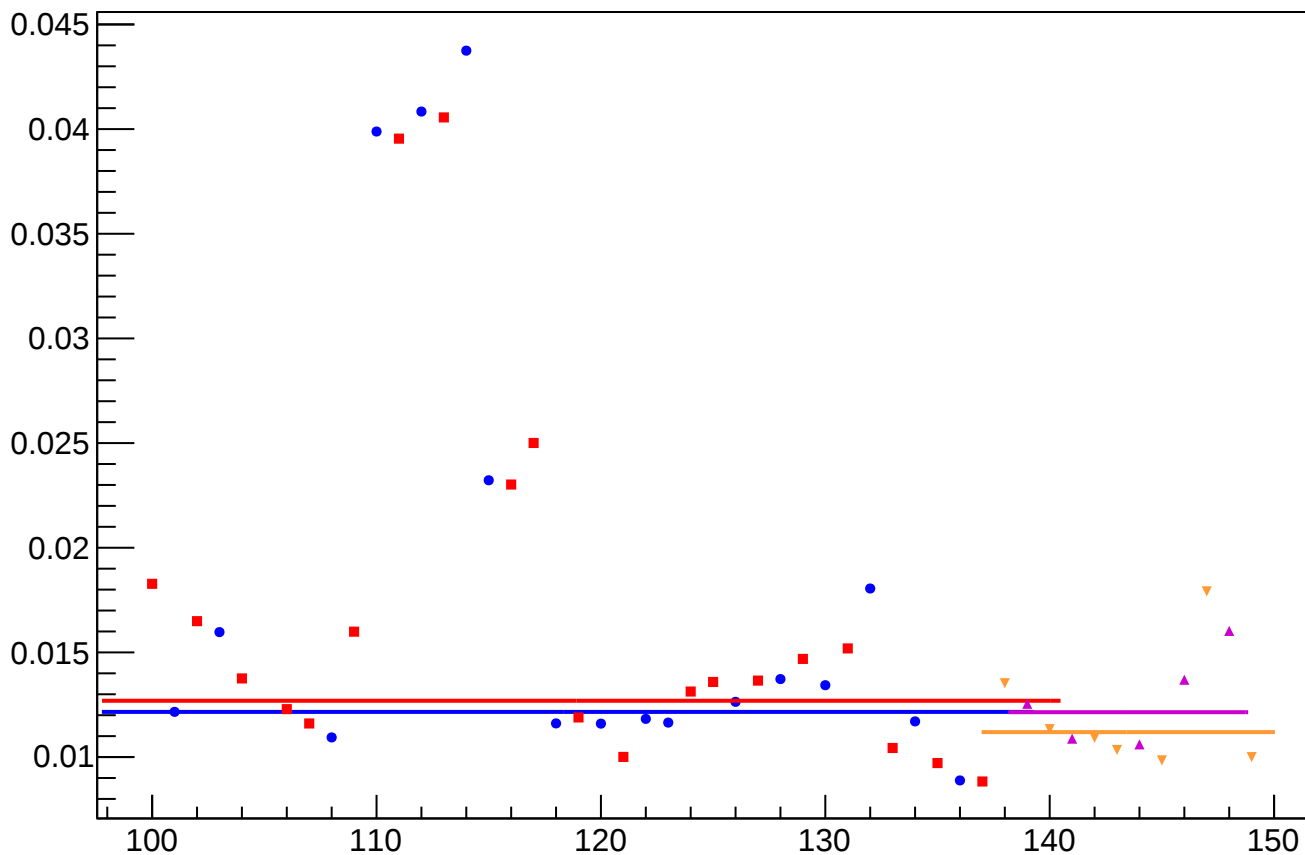
0.452 $\pm$ 0.000 χ^2 /NDF: 6042178737.8/23

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

0.494 $\pm$ 0.000 χ^2 /NDF: 6654161138.9/24

Left In: 0.331 $\pm$ 0.000 χ^2 /NDF:609117.3/4

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 312625.1/6

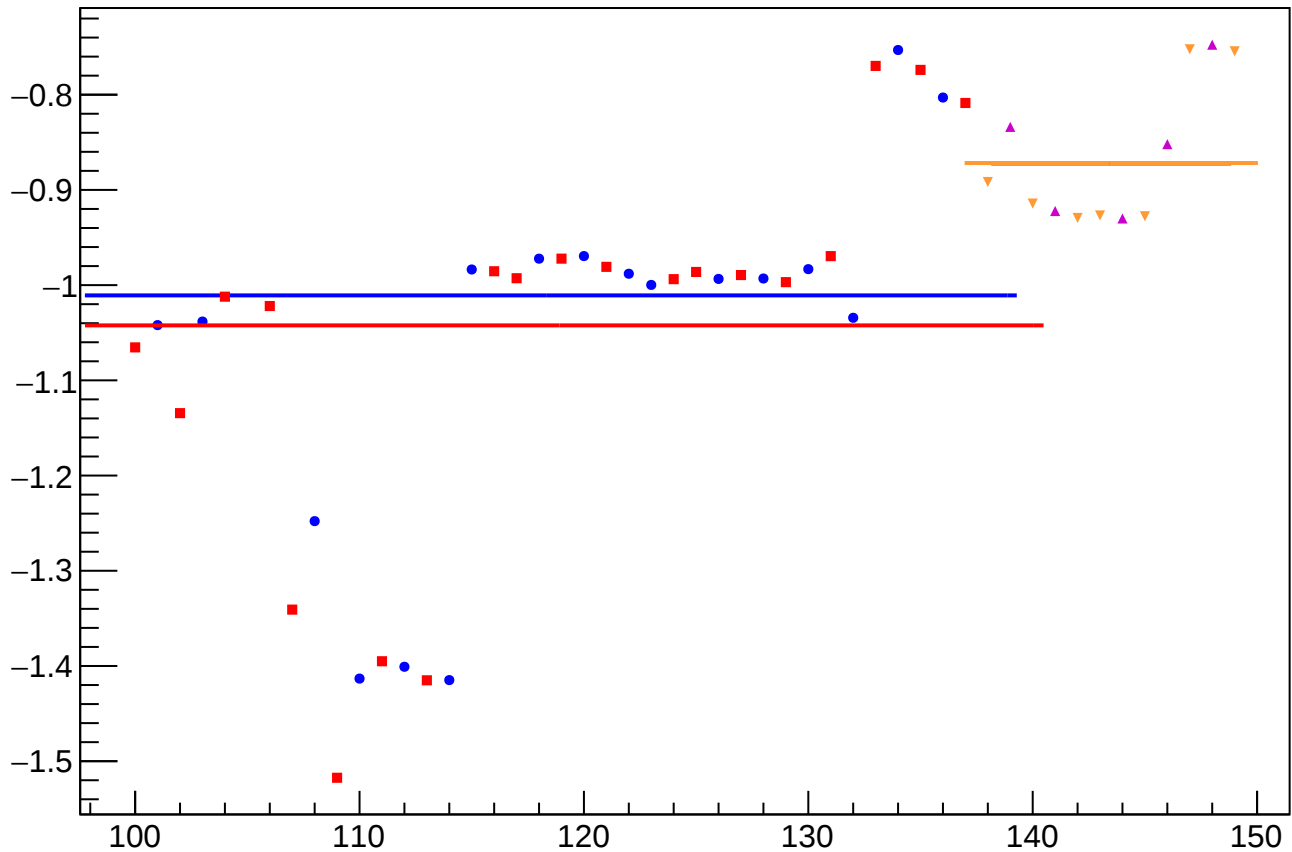
Right Out: 0.013+/-0.000 χ^2/NDF : 1285911.2/19

Left In: 0.012+/-0.000 χ^2/NDF : 166363.2/4

0.012+/-0.000 χ^2/NDF : 1655341.7/23

0.012+/-0.000 χ^2/NDF : 1461271.4/24

yield_bpm4acX_mean vs Slug



Right In: -1.011 $\pm$ 0.000 χ^2 /NDF: 387140230.3/16

Left Out: -0.872 $\pm$ 0.000 χ^2 /NDF: 64383089.3/6

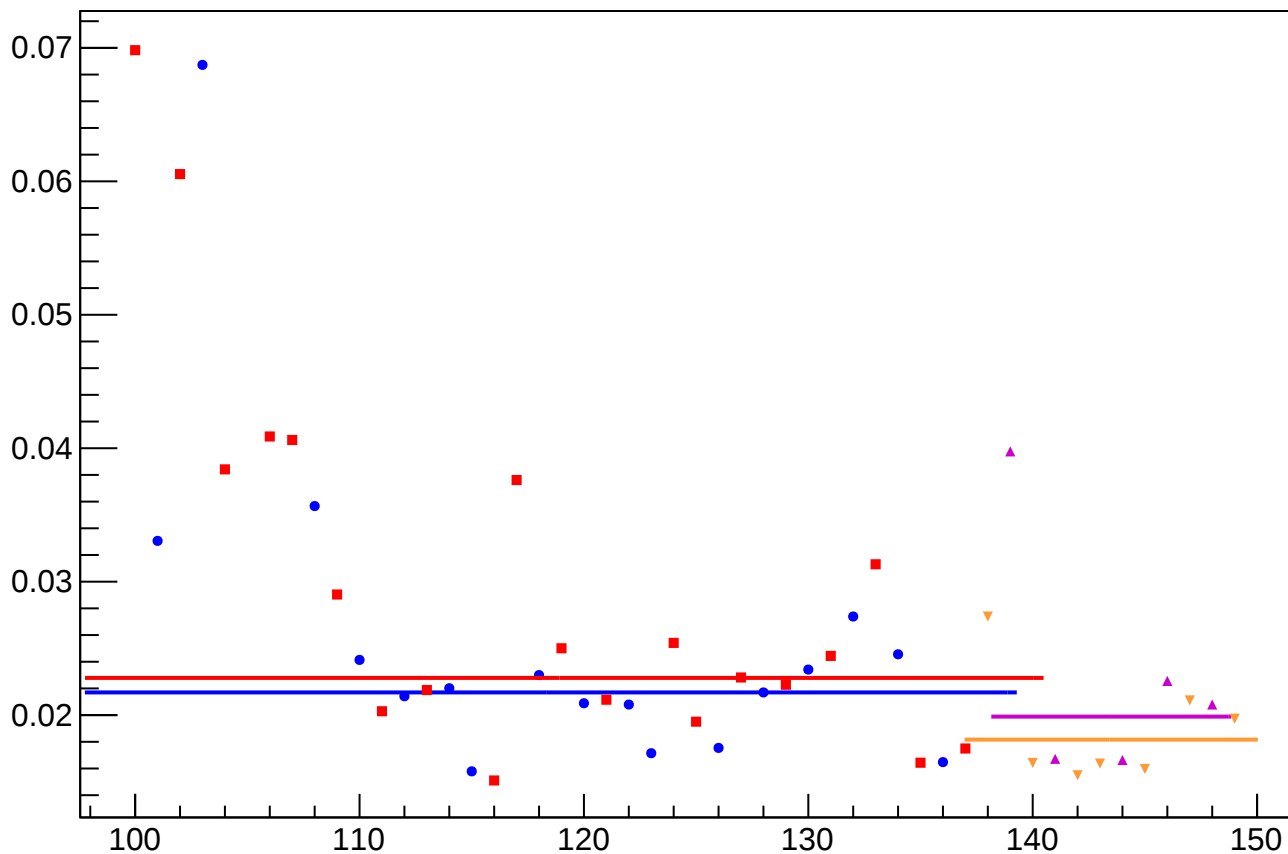
Right Out: -1.042 $\pm$ 0.000 χ^2 /NDF: 529028760.6/19

Left In: -0.872 $\pm$ 0.000 χ^2 /NDF: 37538698.9/4

-0.940 $\pm$ 0.000 χ^2 /NDF: 556042320.9/23

-0.970 $\pm$ 0.000 χ^2 /NDF: 692667570.7/24

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 979293.5/16$

Left Out: 0.018 ± 0.000 $\chi^2/\text{NDF}: 227902.5/6$

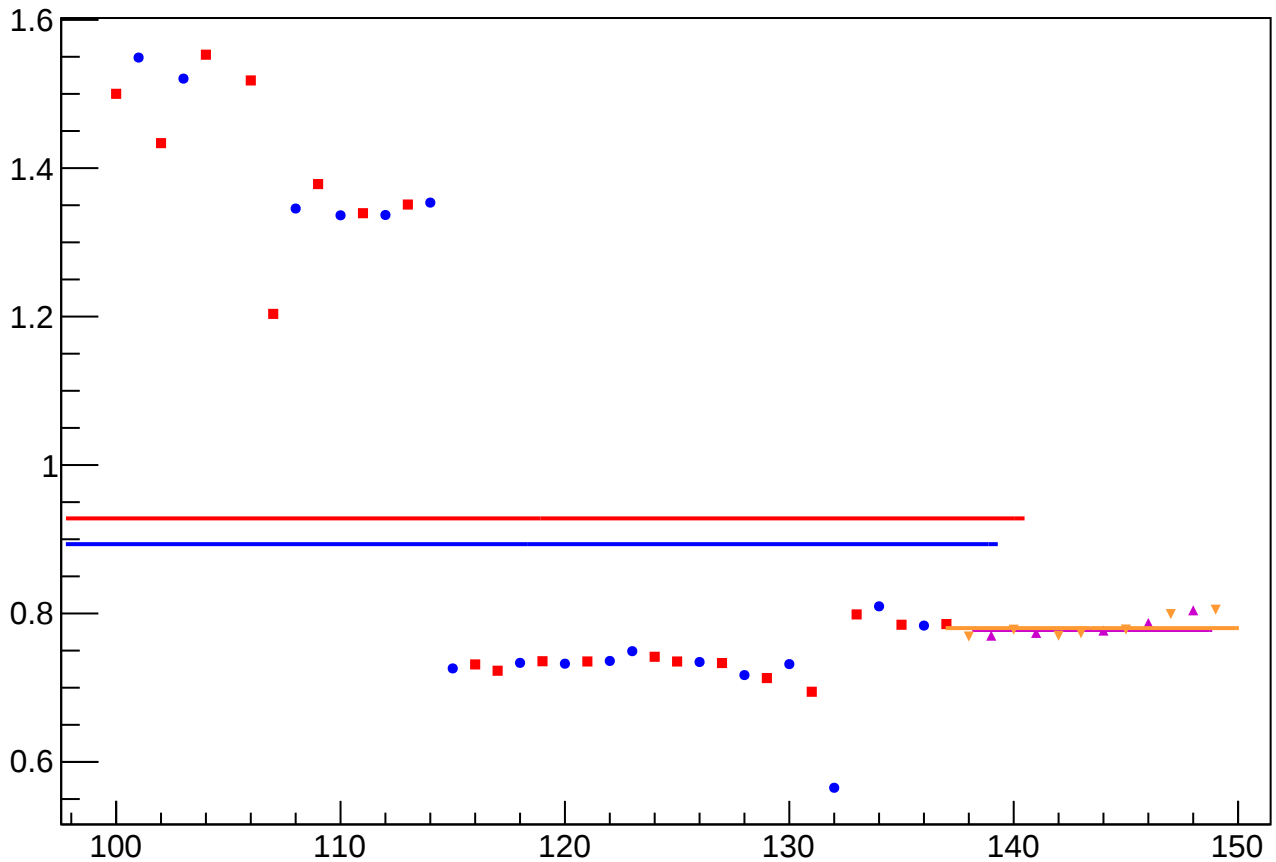
Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1164870.4/19$

Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 469981.3/4$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1342457.0/23$

0.022 ± 0.000 $\chi^2/\text{NDF}: 1708210.3/24$

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.780+/-0.000 χ^2/NDF : 4623947.6/6

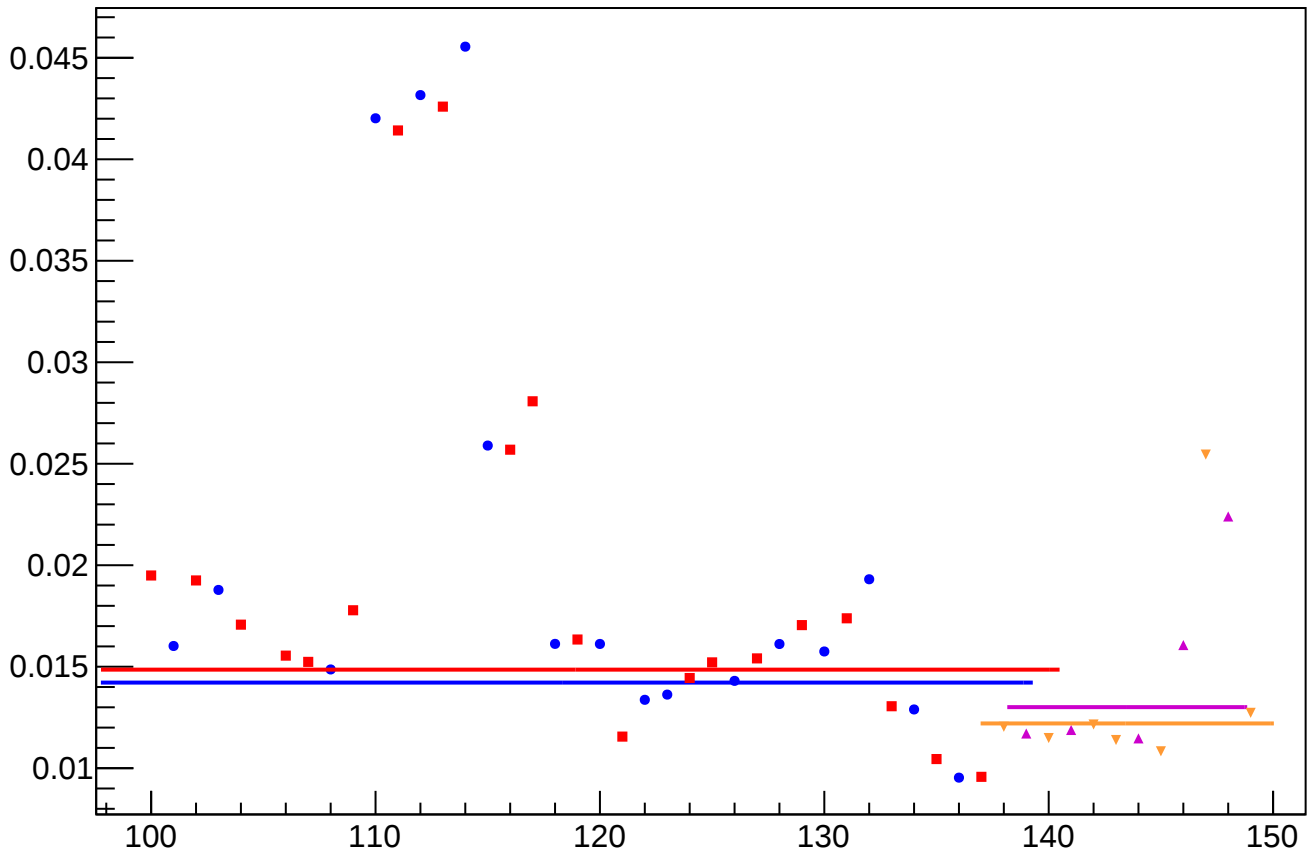
0.834+/-0.000 χ^2/NDF : 2598598920.4/23

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.862+/-0.000 χ^2/NDF : 2711696697.0/24

Left In: 0.778+/-0.000 χ^2/NDF : 1714231.9/4

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 441253.8/6

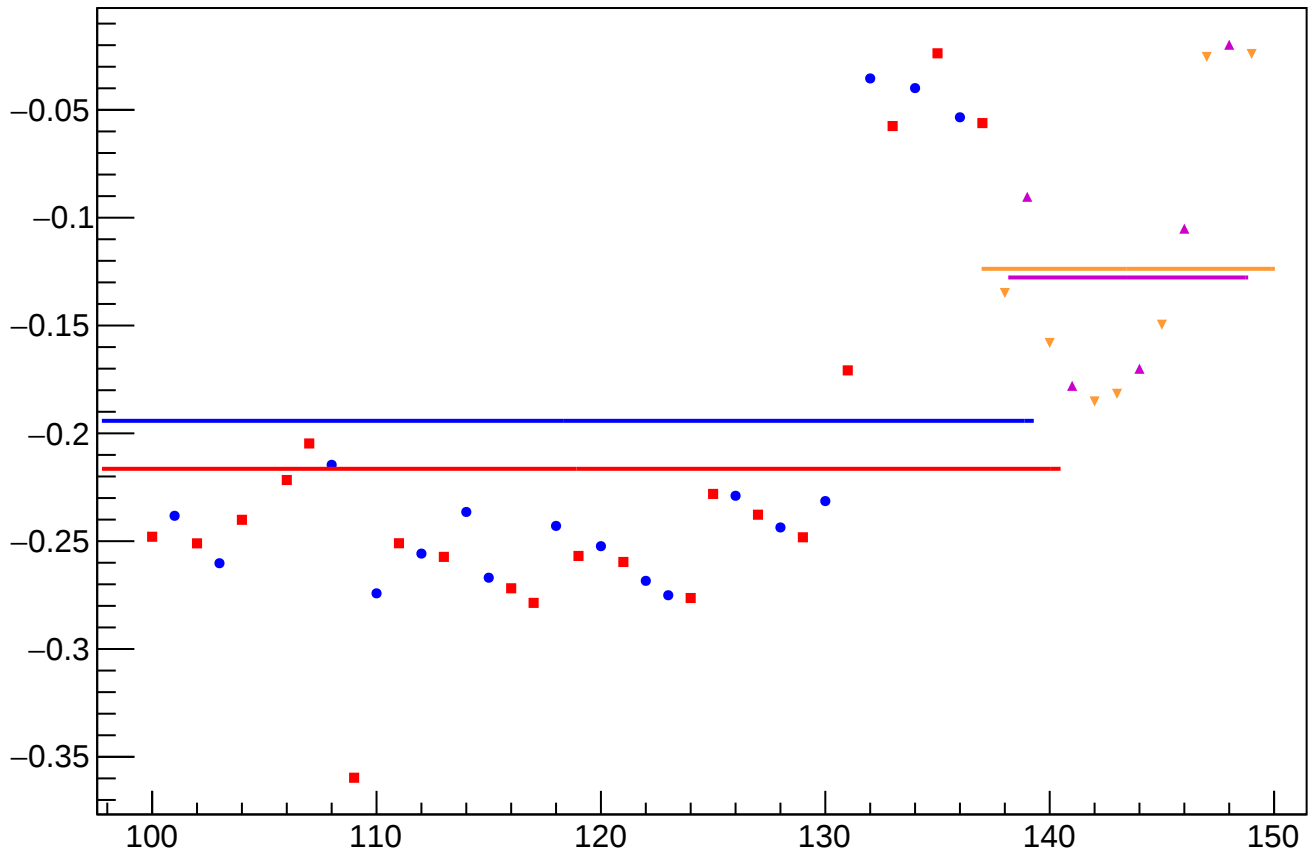
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1286513.9/19

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 381651.6/4

0.013 $\pm$ 0.000 χ^2 /NDF: 1968632.2/23

0.014 $\pm$ 0.000 χ^2 /NDF: 1750414.8/24

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.124+/-0.000 χ^2/NDF : 46806846.2/6

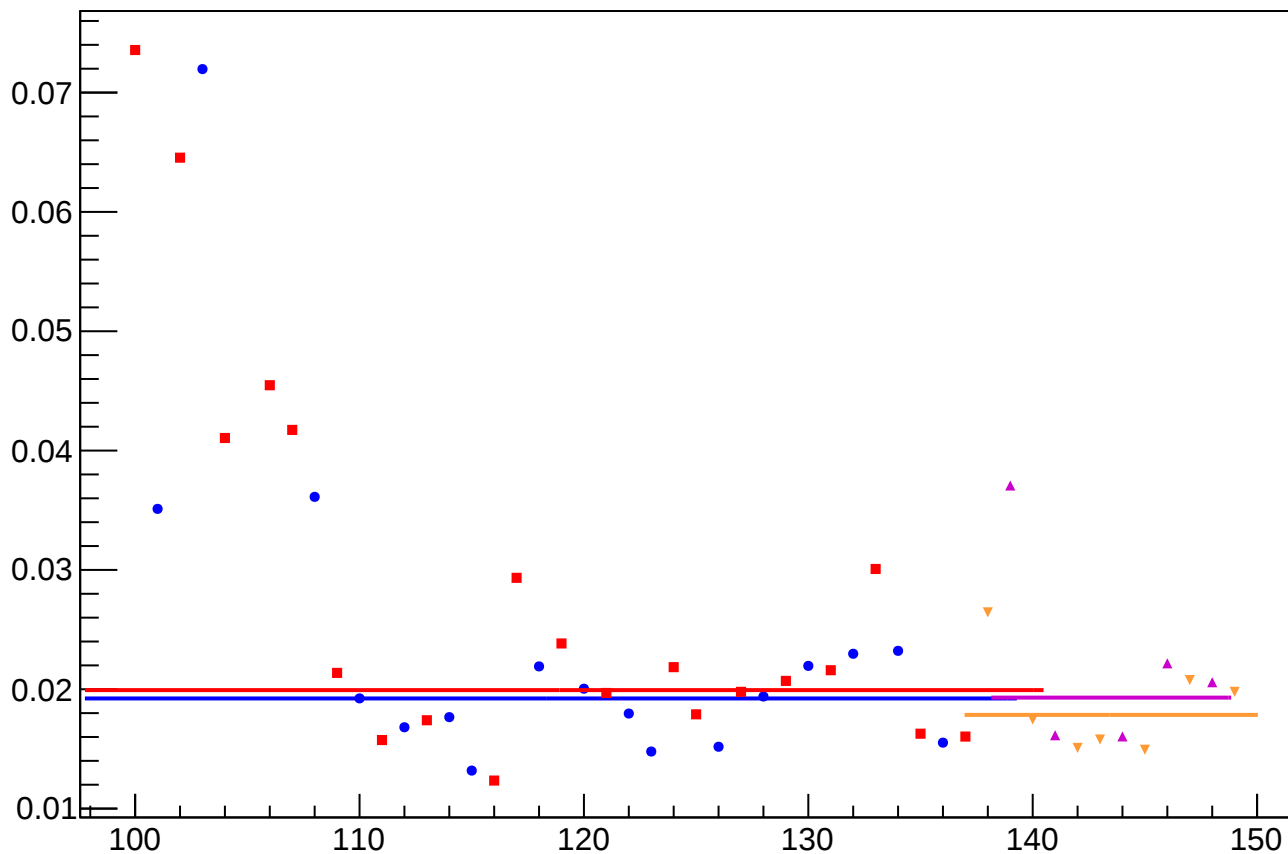
Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

Left In: -0.128+/-0.000 χ^2/NDF : 29612334.5/4

-0.162+/-0.000 χ^2/NDF : 185918256.9/23

-0.183+/-0.000 χ^2/NDF : 180287318.3/24

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.018+/-0.000 χ^2/NDF : 243215.7/6

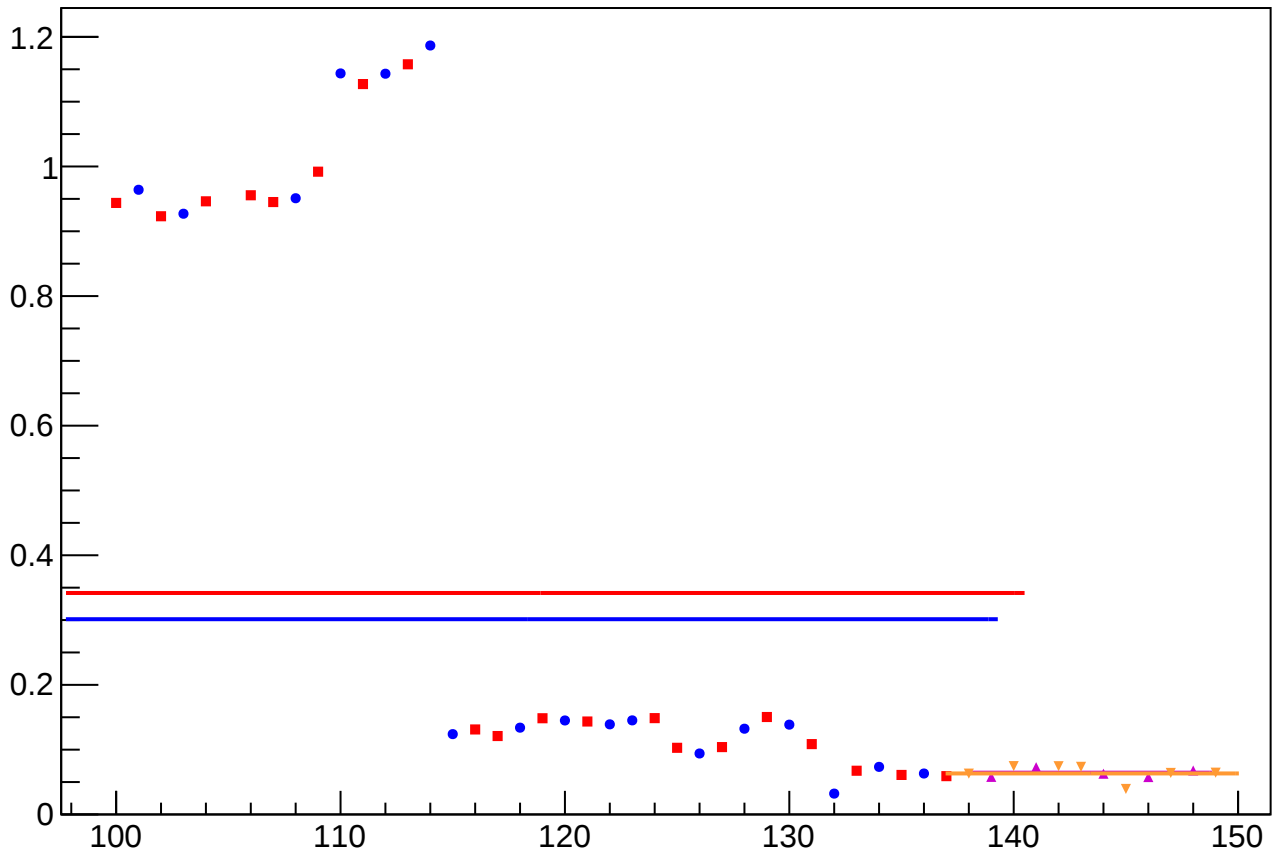
Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

Left In: 0.019+/-0.000 χ^2/NDF : 454341.3/4

0.019+/-0.000 χ^2/NDF : 1441191.3/23

0.020+/-0.000 χ^2/NDF : 1911035.0/24

yield_bpm4ecY_mean vs Slug



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5154791073.8/16

Left Out: 0.063 $\pm$ 0.000 χ^2 /NDF: 6313994.3/6

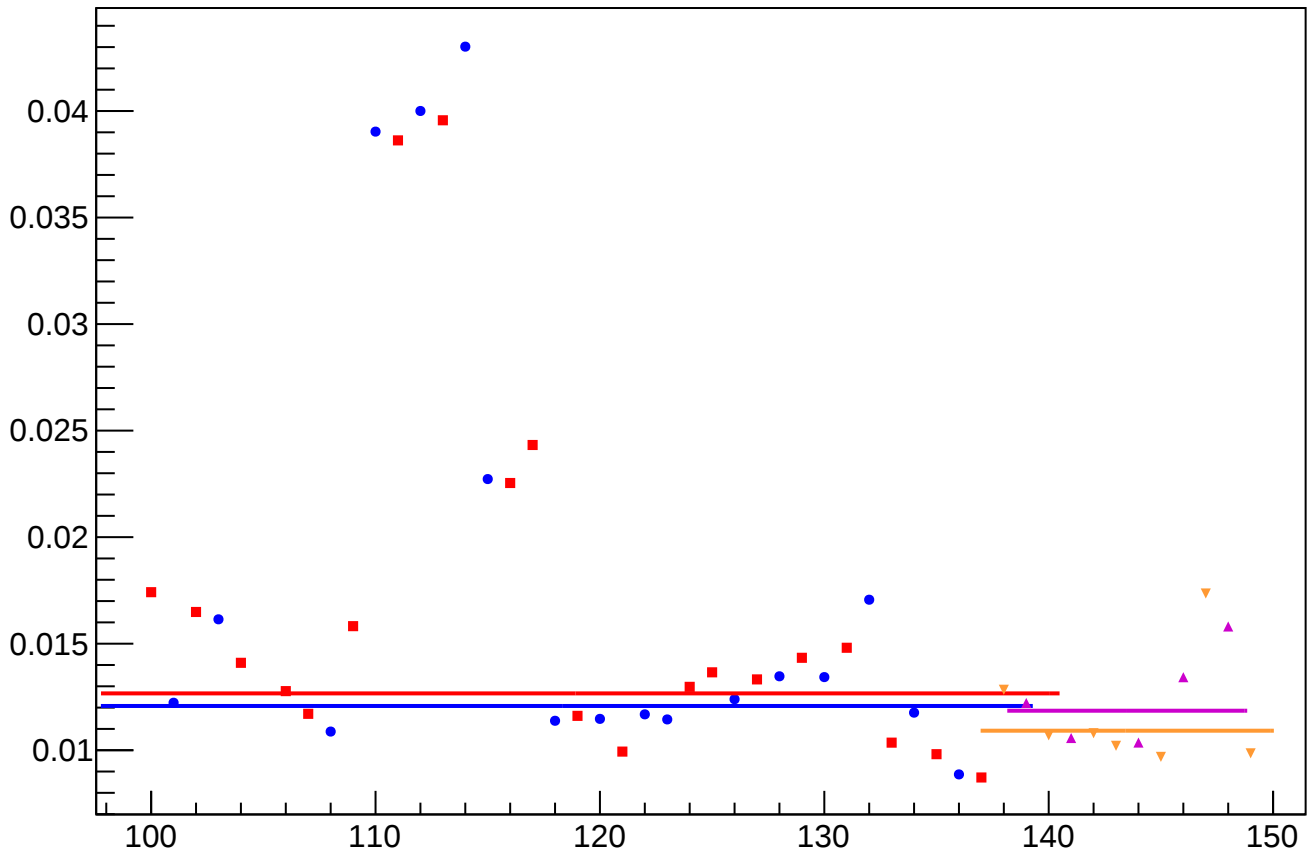
0.182 $\pm$ 0.000 χ^2 /NDF: 6253114037.3/23

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5445885893.4/19

0.225 $\pm$ 0.000 χ^2 /NDF: 6637774402.9/24

Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 952602.1/4

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:286568.8/6

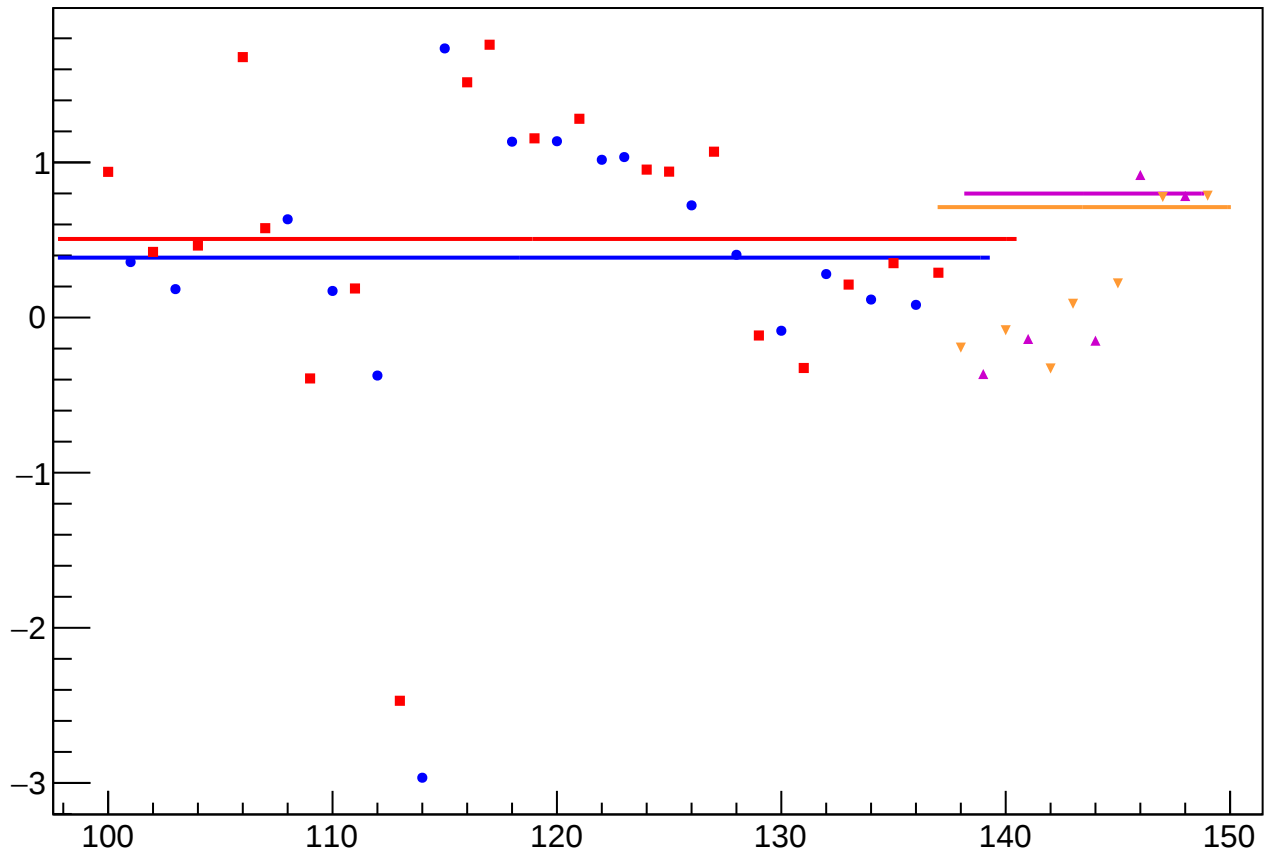
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:175339.2/4

0.011 $\pm$ 0.000 χ^2 /NDF: 1618812.4/23

0.012 $\pm$ 0.000 χ^2 /NDF: 1449586.6/24

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 0.712+/-0.000 χ^2/NDF :302622215.9/6

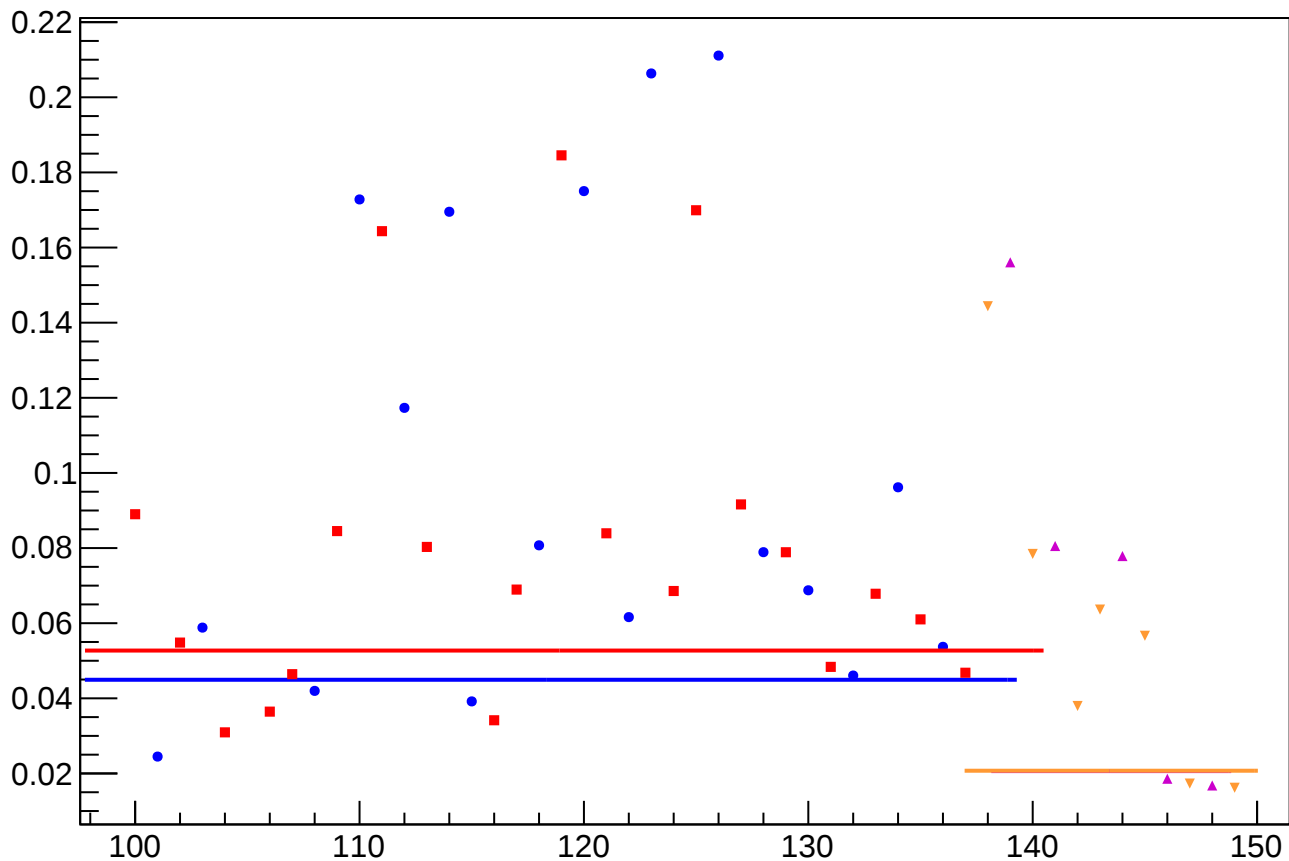
Right Out: 0.507+/-0.000 χ^2/NDF : 995373603.6/19

Left In: 0.799+/-0.000 χ^2/NDF :205652230.7/4

0.633+/-0.000 χ^2/NDF : 689705857.8/23

0.726+/-0.000 χ^2/NDF : 1296866313.0/24

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.021+/-0.000 χ^2/NDF :2471379.2/6

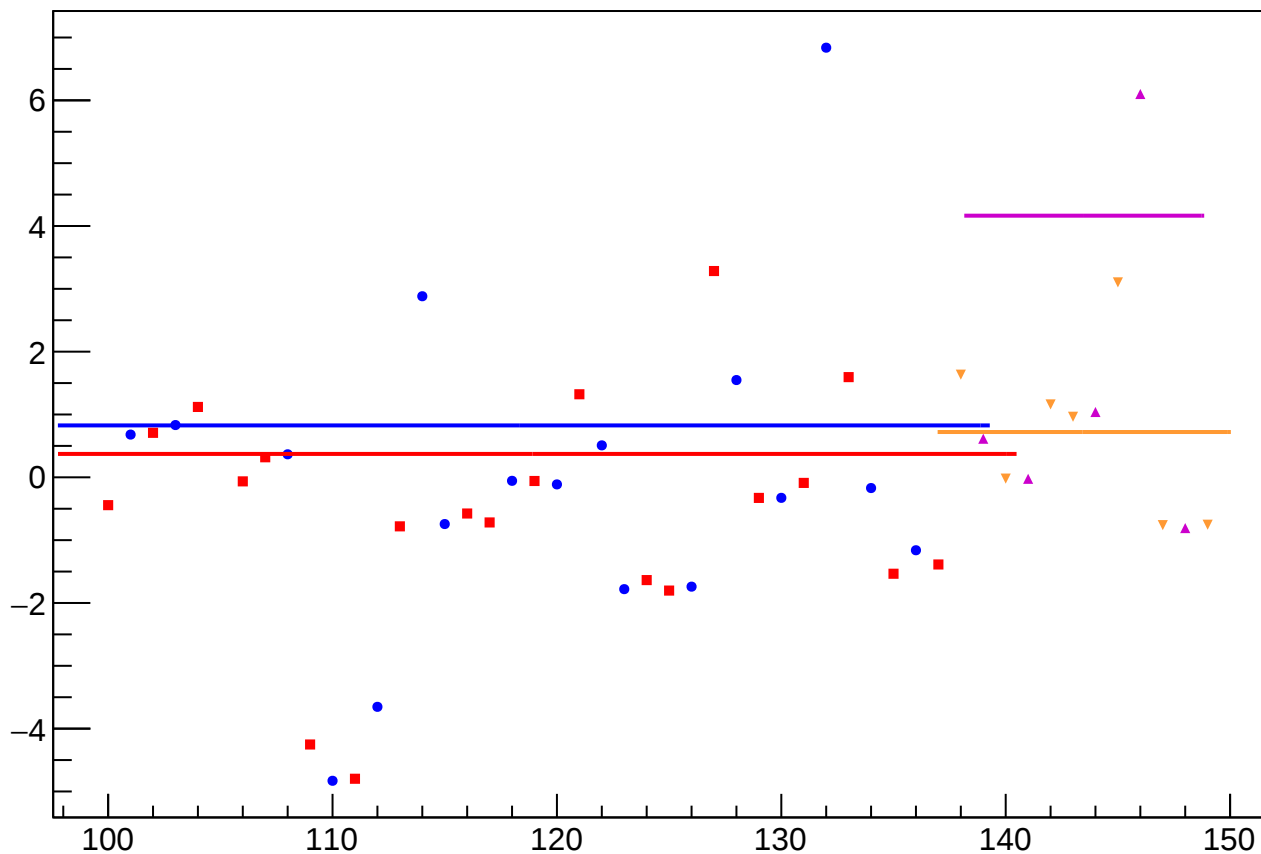
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.021+/-0.000 χ^2/NDF :2146284.4/4

0.027+/-0.000 χ^2/NDF : 6815234.0/23

0.029+/-0.000 χ^2/NDF : 6646837.5/24

yield_bpm1Y_mean vs Slug



Right In: 0.826 ± 0.000 $\chi^2/\text{NDF}: 10945455664.9/16$

Left Out: 0.721 ± 0.000 $\chi^2/\text{NDF}: 25386831042.6/6$

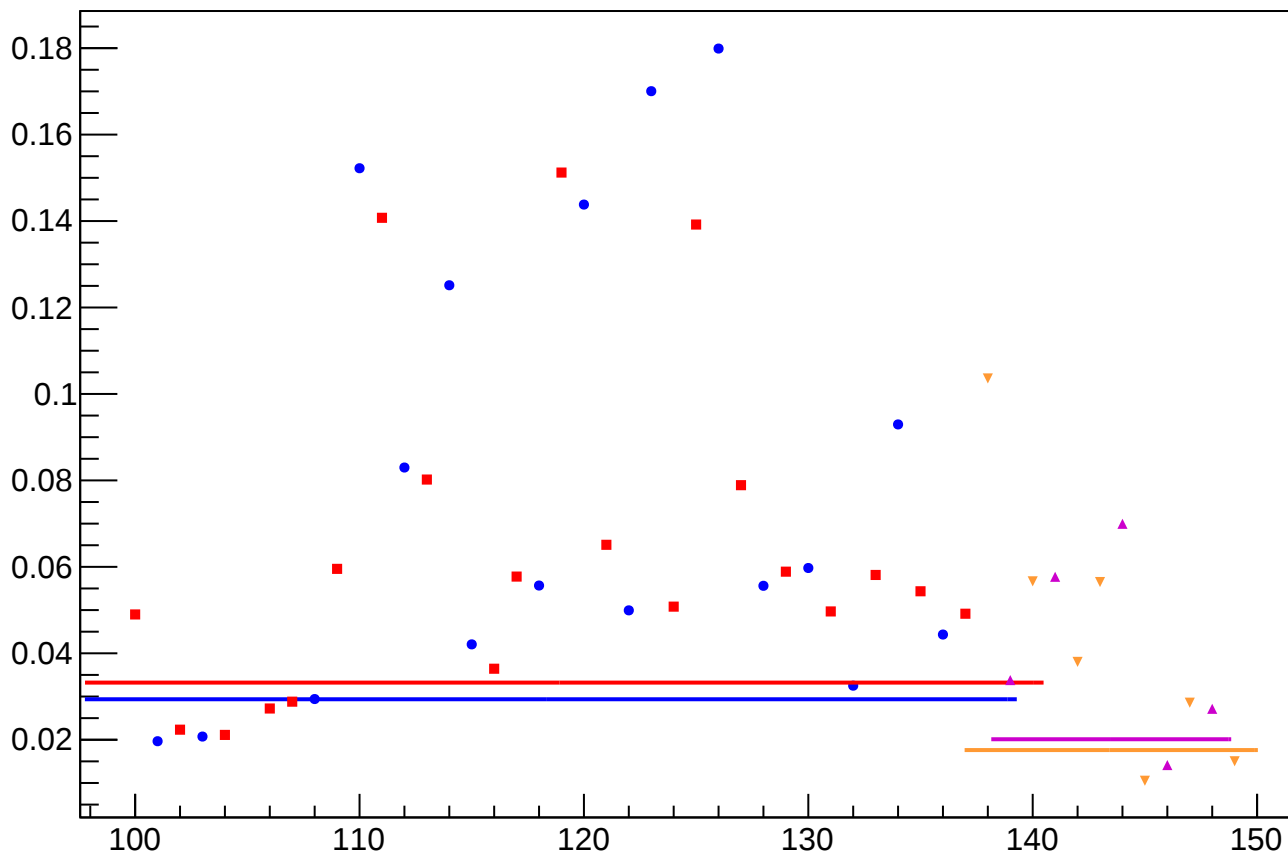
Right Out: 0.372 ± 0.000 $\chi^2/\text{NDF}: 4960201861.0/19$

Left In: 4.164 ± 0.000 $\chi^2/\text{NDF}: 44224955479.1/4$

0.757 ± 0.000 $\chi^2/\text{NDF}: 36360919958.0/23$

2.587 ± 0.000 $\chi^2/\text{NDF}: 78613951094.7/24$

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.018+/-0.000 χ^2/NDF :2330990.5/6

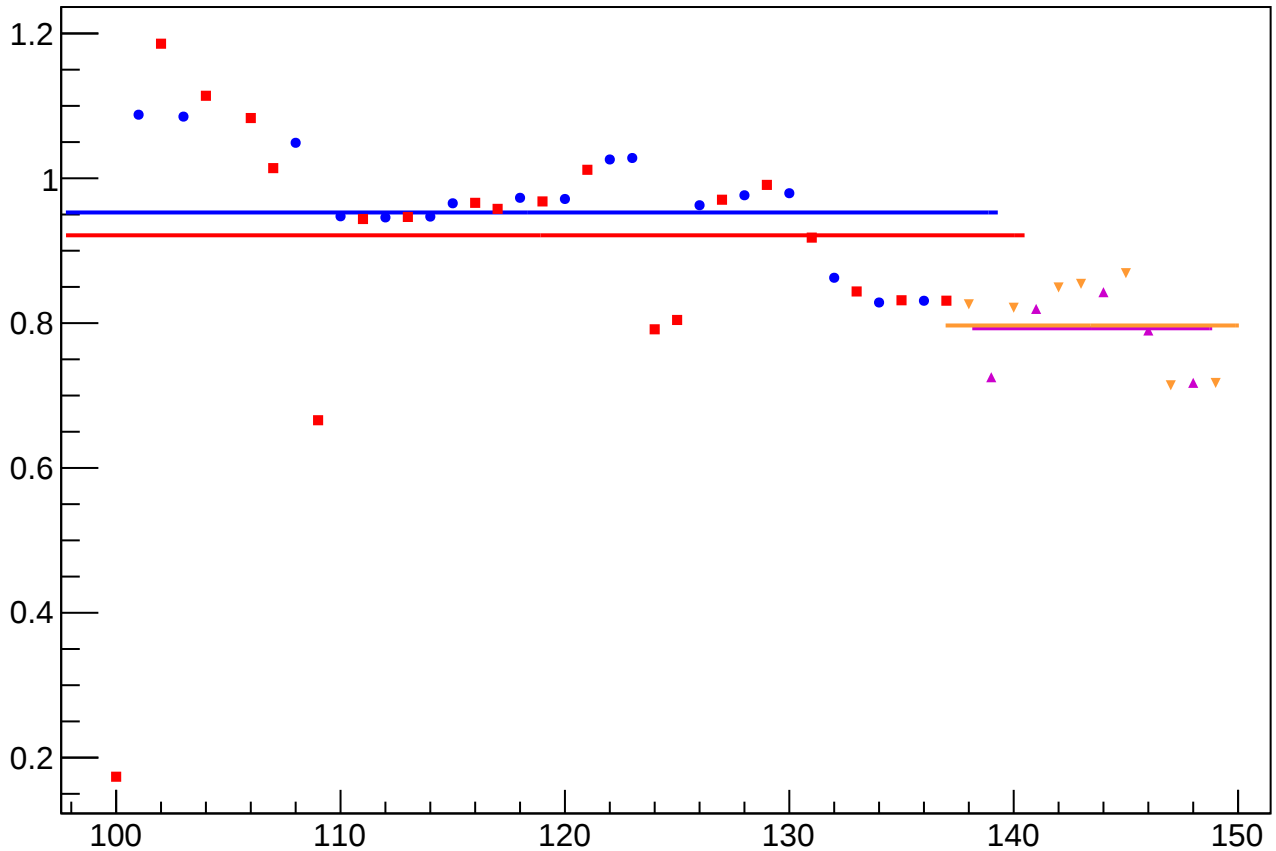
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.020+/-0.000 χ^2/NDF :1373781.6/4

0.022+/-0.000 χ^2/NDF : 6035877.8/23

0.026+/-0.000 χ^2/NDF : 5189211.0/24

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.797 $\pm$ 0.000 χ^2 /NDF:117234131.6/6

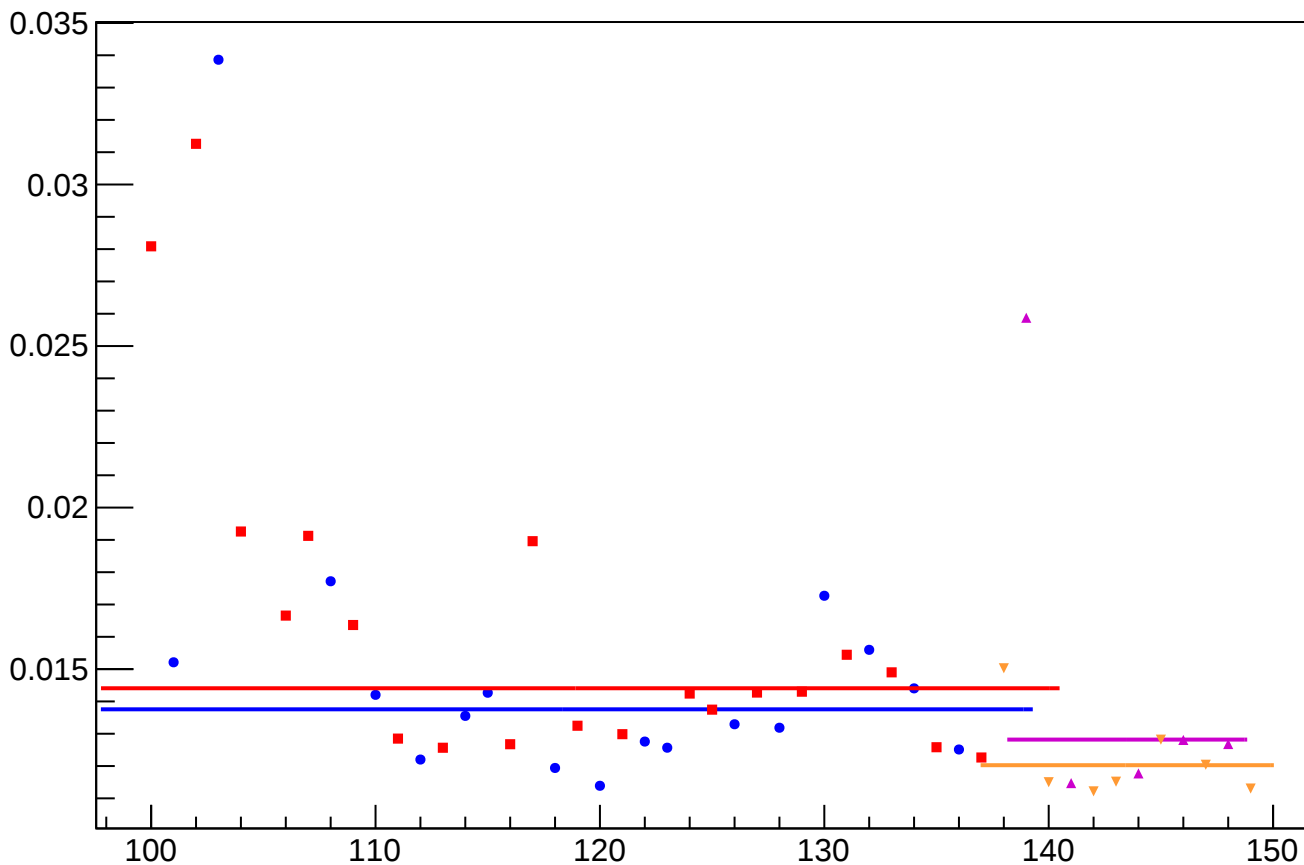
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374306248.8/19

Left In: 0.793 $\pm$ 0.000 χ^2 /NDF:47578951.7/4

0.877 $\pm$ 0.000 χ^2 /NDF: 653509694.4/23

0.868 $\pm$ 0.000 χ^2 /NDF: 622958960.1/24

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.012+/-0.000 χ^2/NDF :66361.7/6

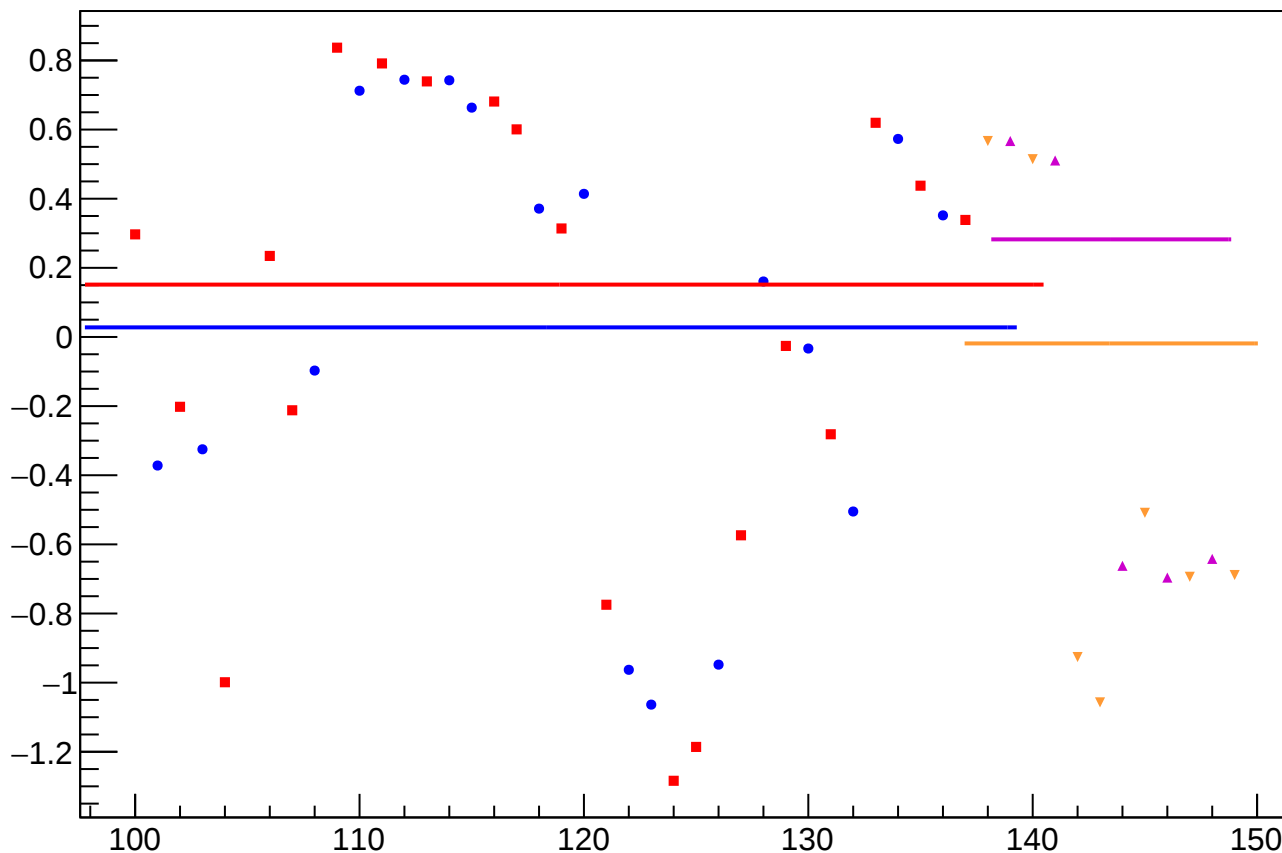
Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

Left In: 0.013+/-0.000 χ^2/NDF :387953.3/4

0.013+/-0.000 χ^2/NDF : 693406.4/23

0.014+/-0.000 χ^2/NDF : 958137.7/24

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: -0.019+/-0.000 χ^2/NDF : 16504402315.7/6

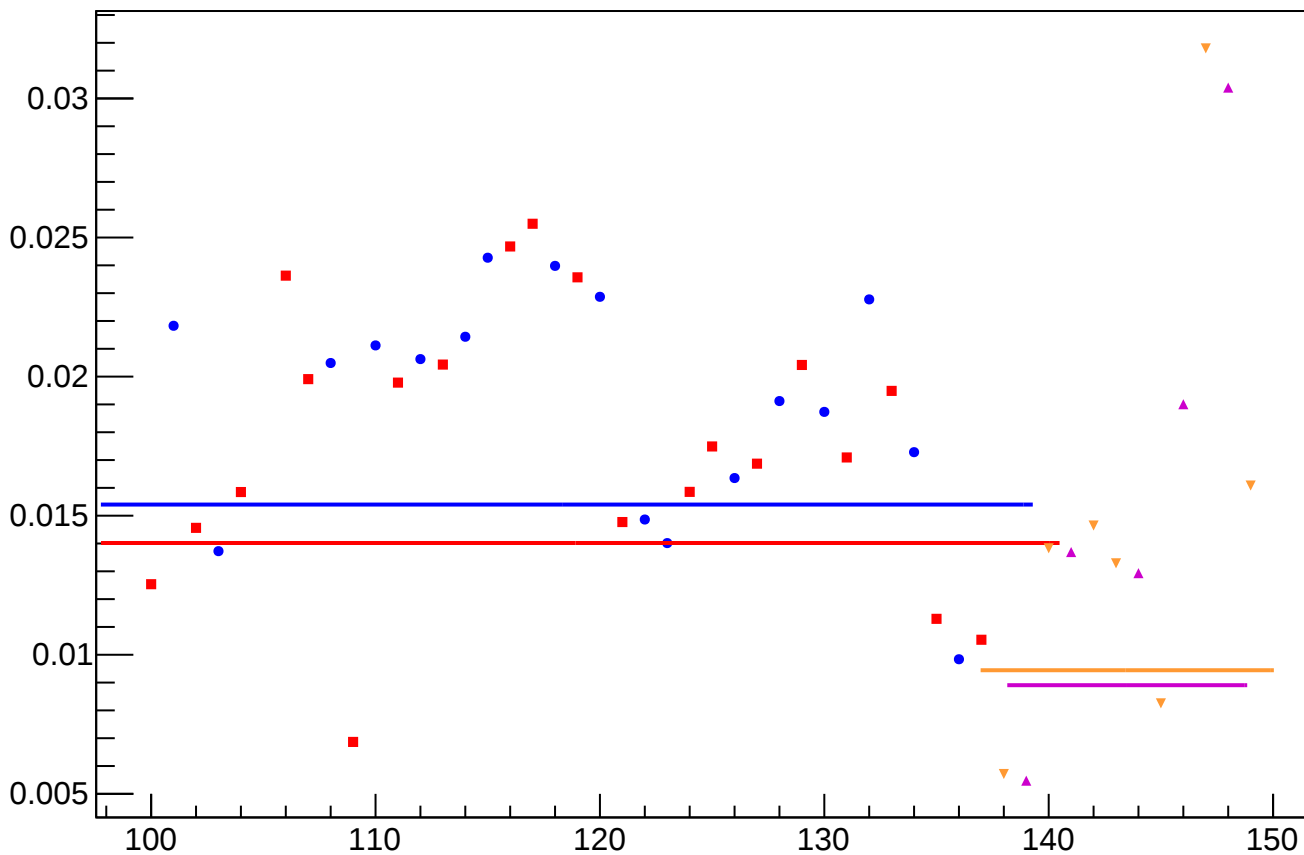
Right Out: 0.152+/-0.000 χ^2/NDF : 12665480117.0/19

Left In: 0.282+/-0.000 χ^2/NDF : 9055840978.6/4

-0.001+/-0.000 χ^2/NDF : 22813452946.9/23

0.223+/-0.000 χ^2/NDF : 21989013947.2/24

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1895576.1/6

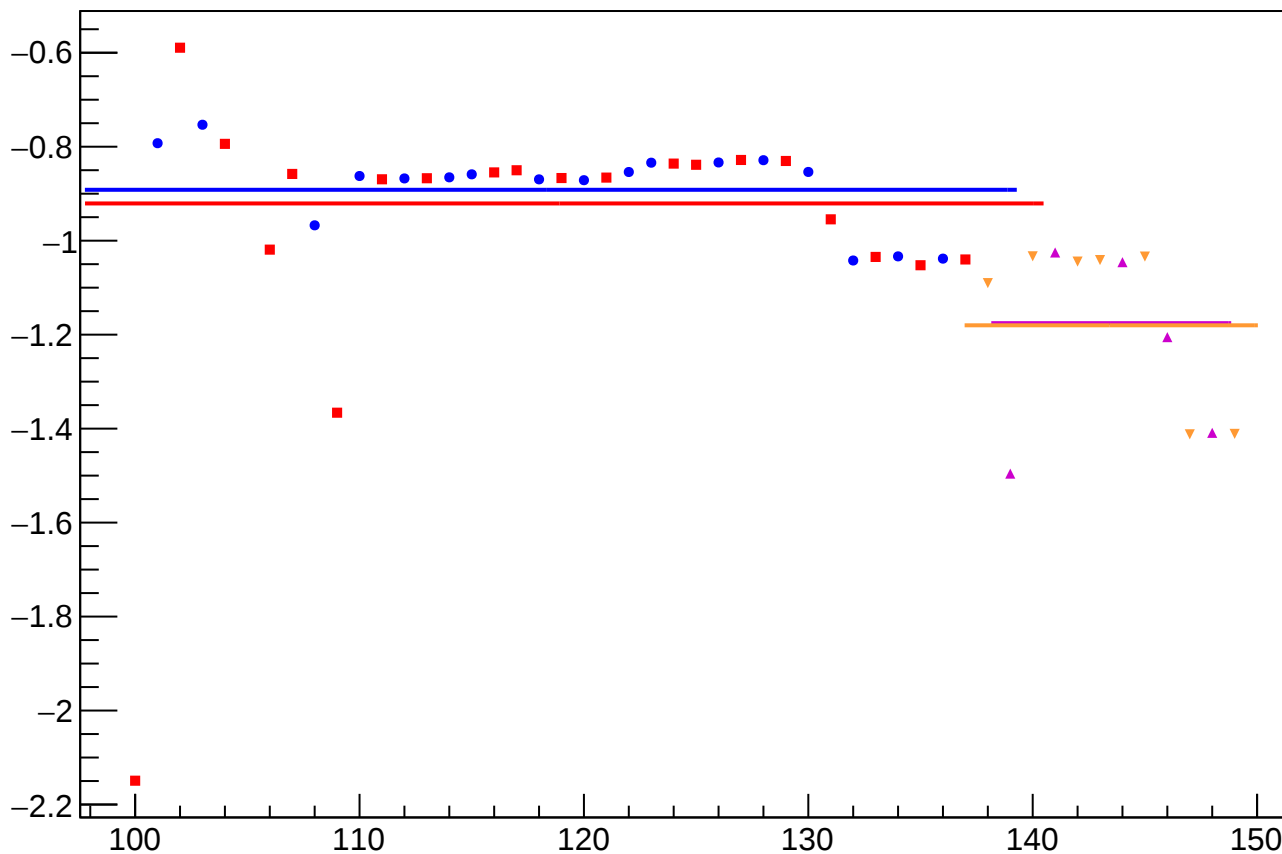
Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

Left In: 0.009+/-0.000 χ^2/NDF : 2043491.4/4

0.012+/-0.000 χ^2/NDF : 4092277.2/23

0.011+/-0.000 χ^2/NDF : 4437605.5/24

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.180 ± 0.000 χ^2/NDF : 140062267.8/6

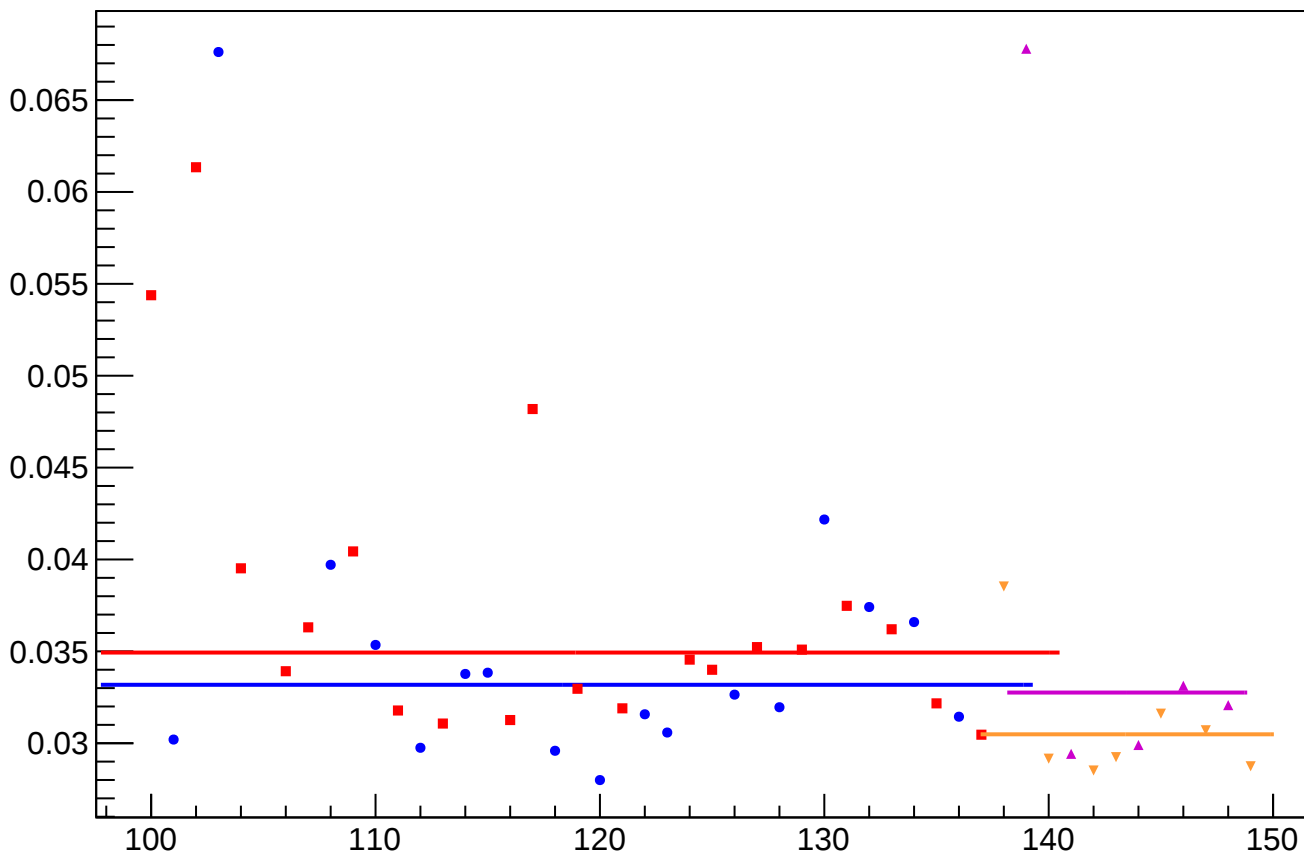
Right Out: -0.921 ± 0.000 χ^2/NDF : 131248005.3/19

Left In: -1.176 ± 0.000 χ^2/NDF : 86603970.8/4

-1.024 ± 0.000 χ^2/NDF : 380646183.6/23

-1.019 ± 0.000 χ^2/NDF : 344503750.9/24

yield_bpm12X_rms vs Slug



Right In: 0.033 ± 0.000 $\chi^2/\text{NDF}: 400106.0/16$

Left Out: 0.030 ± 0.000 $\chi^2/\text{NDF}: 66811.9/6$

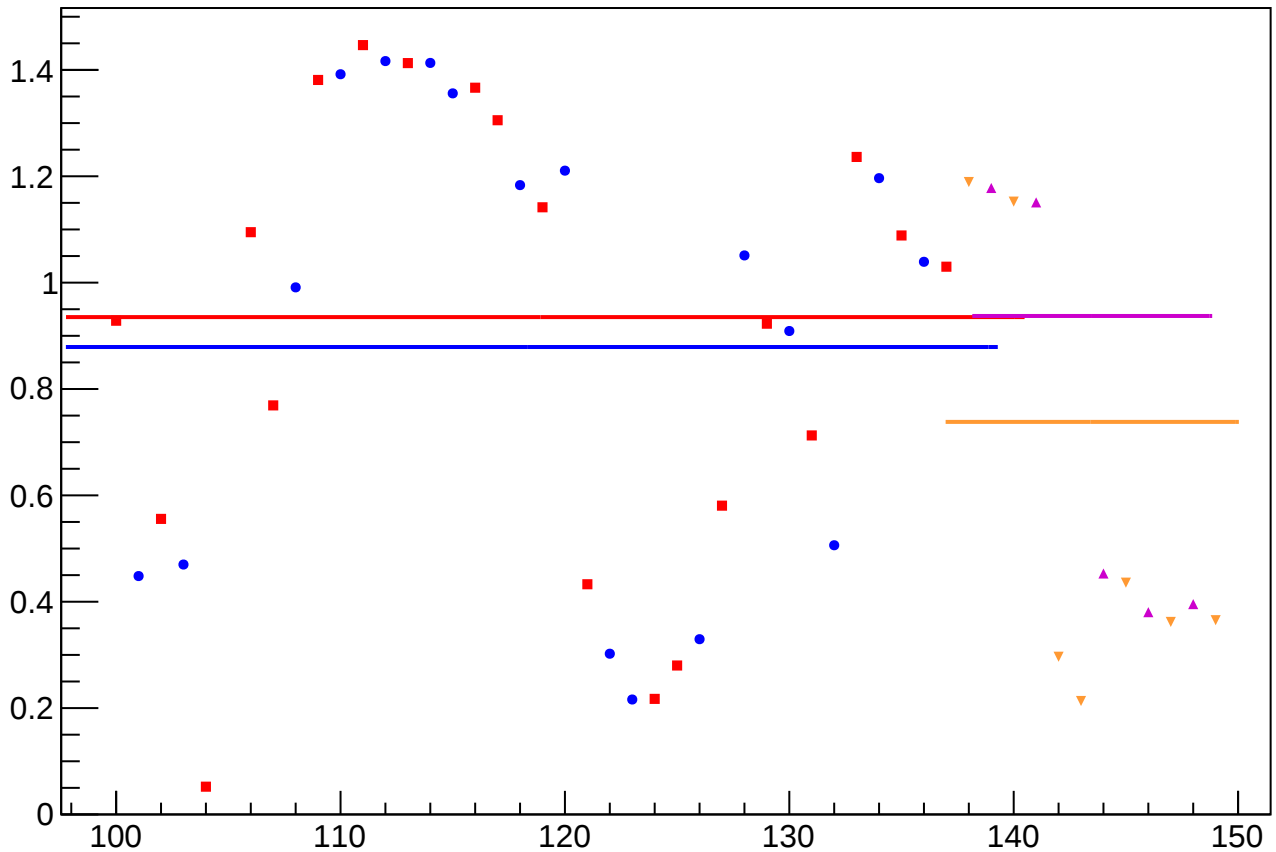
Right Out: 0.035 ± 0.000 $\chi^2/\text{NDF}: 281256.5/19$

Left In: 0.033 ± 0.000 $\chi^2/\text{NDF}: 406118.0/4$

0.032 ± 0.000 $\chi^2/\text{NDF}: 501964.6/23$

0.034 ± 0.000 $\chi^2/\text{NDF}: 705863.6/24$

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.738+/-0.000 χ^2/NDF : 11903714947.3/6

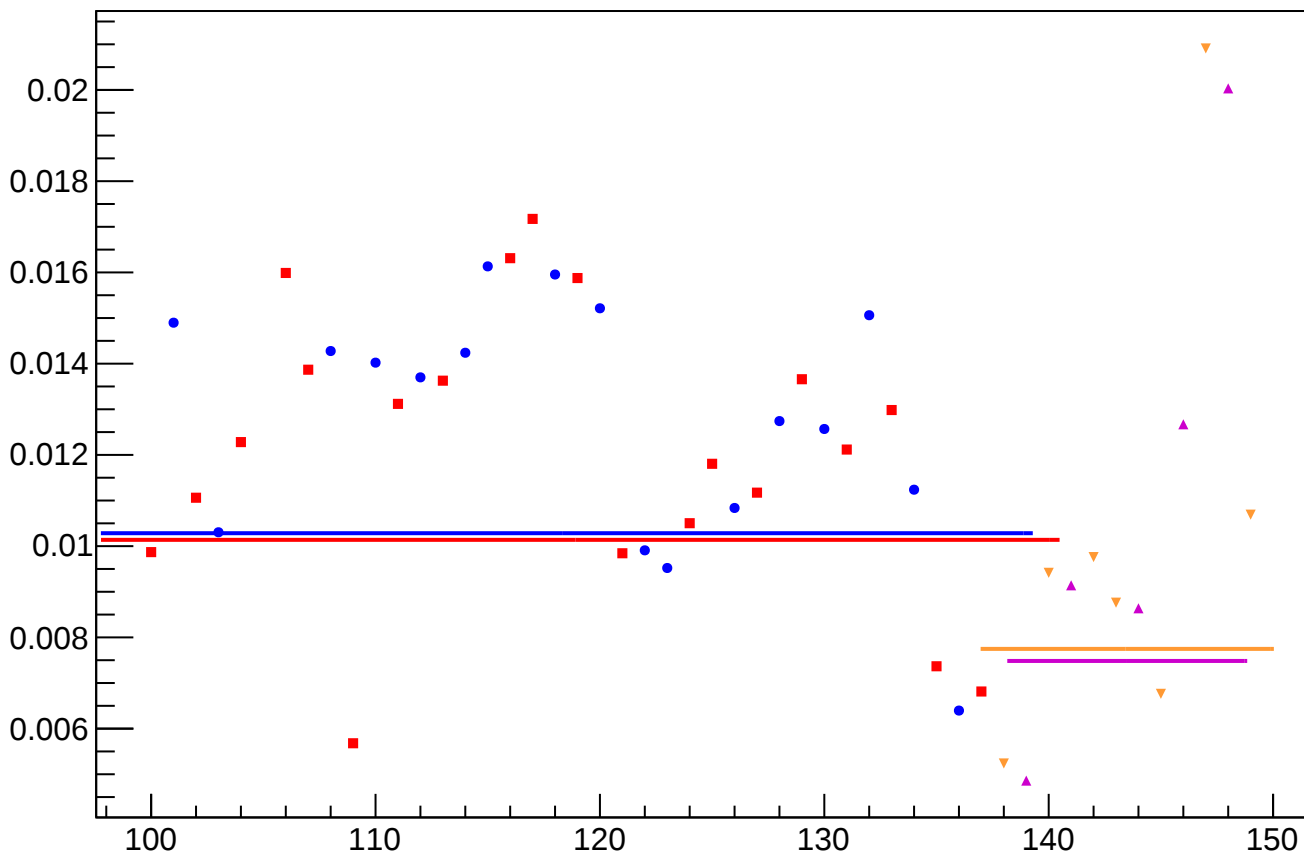
Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

Left In: 0.937+/-0.000 χ^2/NDF : 6646911245.1/4

0.799+/-0.000 χ^2/NDF : 18864061936.1/23

0.936+/-0.000 χ^2/NDF : 16491996887.1/24

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1144587.6/6

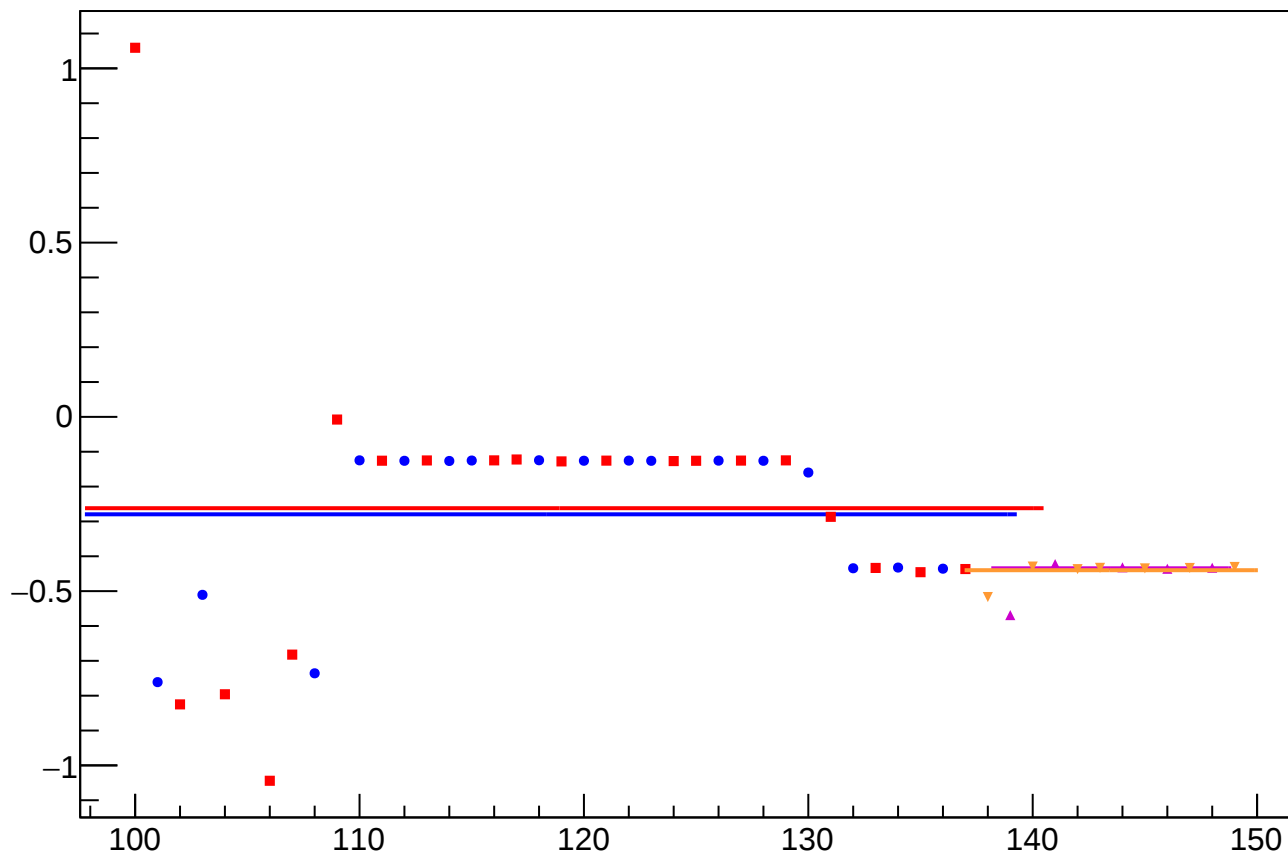
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189529.0/19

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1312395.5/4

0.009 $\pm$ 0.000 χ^2 /NDF: 2733927.7/23

0.009 $\pm$ 0.000 χ^2 /NDF: 2898719.3/24

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.440 ± 0.000 χ^2/NDF : 23687055.2/6

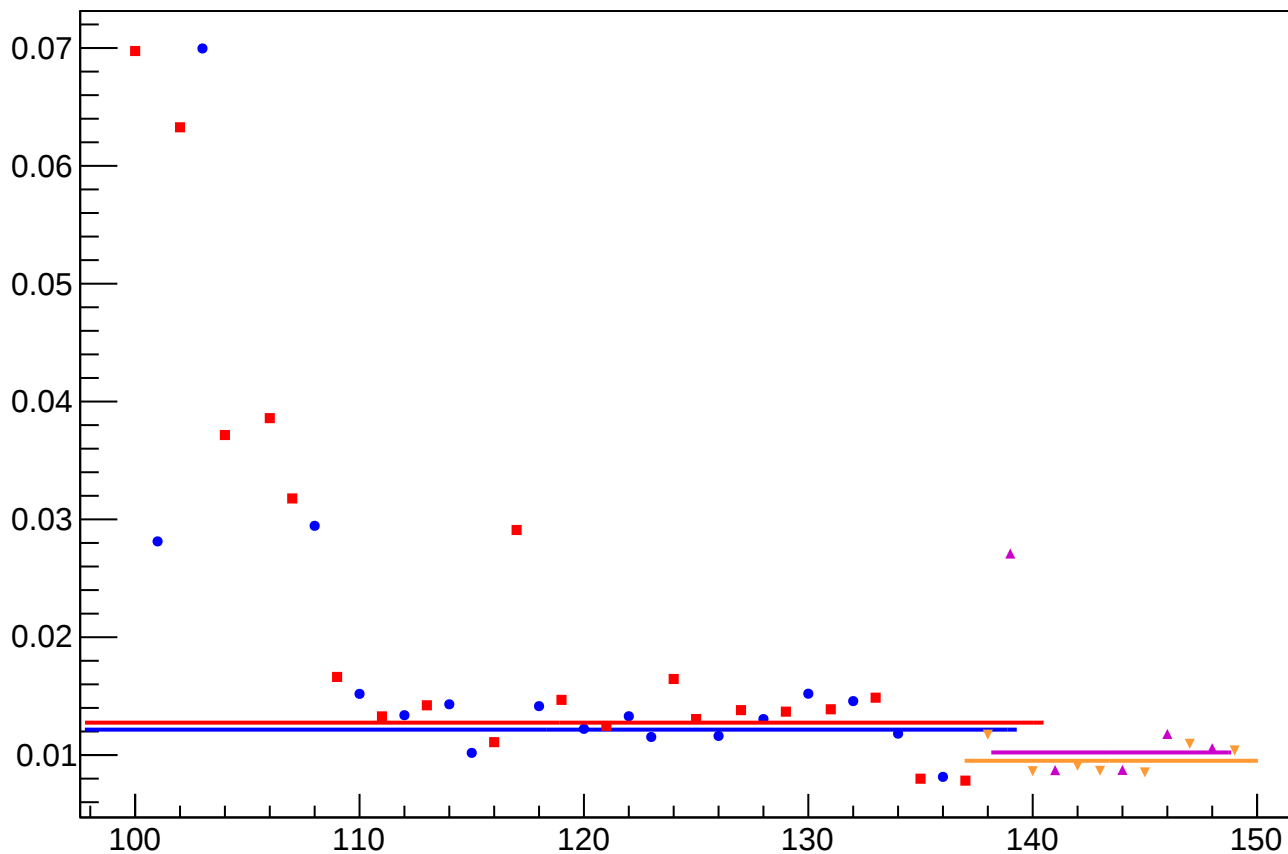
Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.434 ± 0.000 χ^2/NDF : 18741519.8/4

-0.371 ± 0.000 χ^2/NDF : 1417210152.3/23

-0.347 ± 0.000 χ^2/NDF : 1462445661.0/24

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 107723.5/6

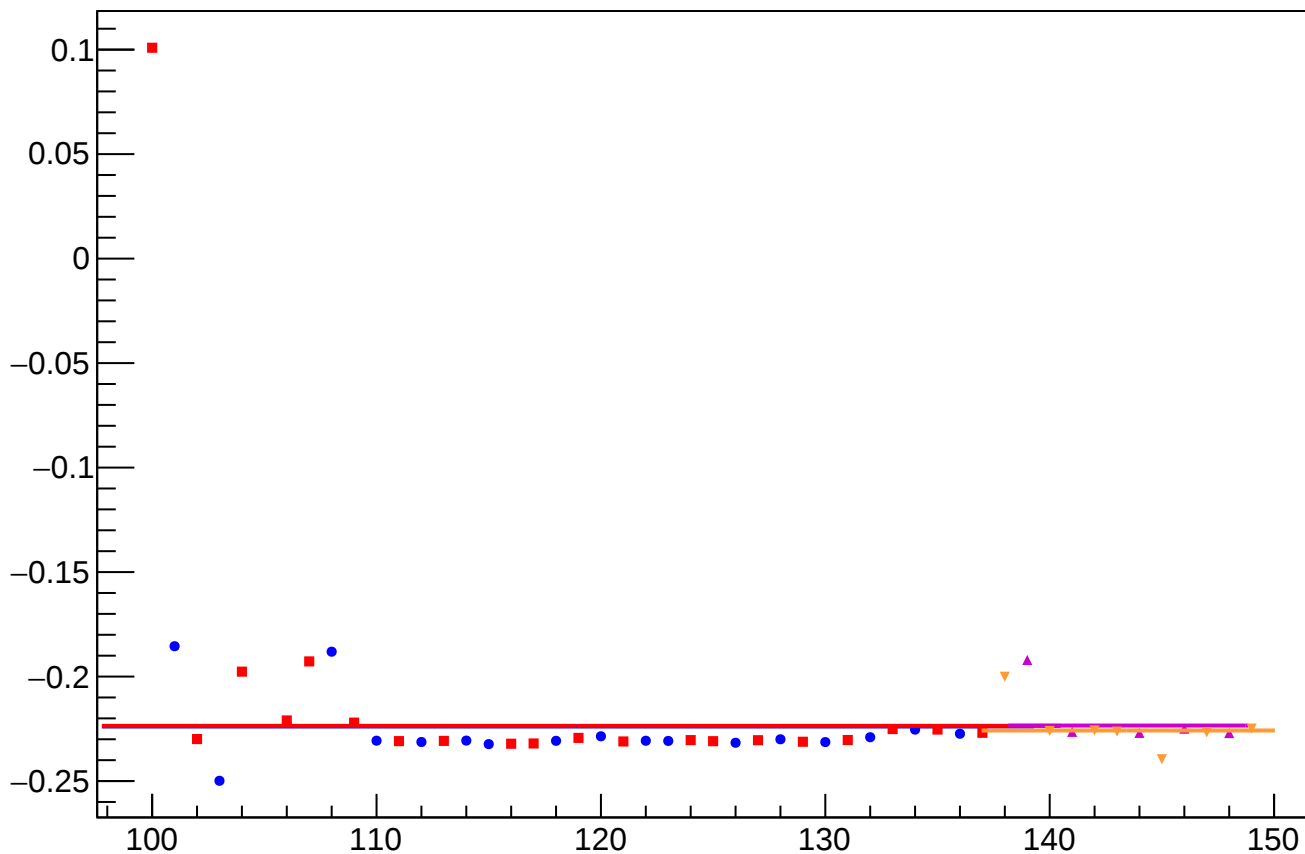
Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

Left In: 0.010+/-0.000 χ^2/NDF : 651430.5/4

0.011+/-0.000 χ^2/NDF : 2082645.0/23

0.012+/-0.000 χ^2/NDF : 2831161.8/24

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20512481.1/6

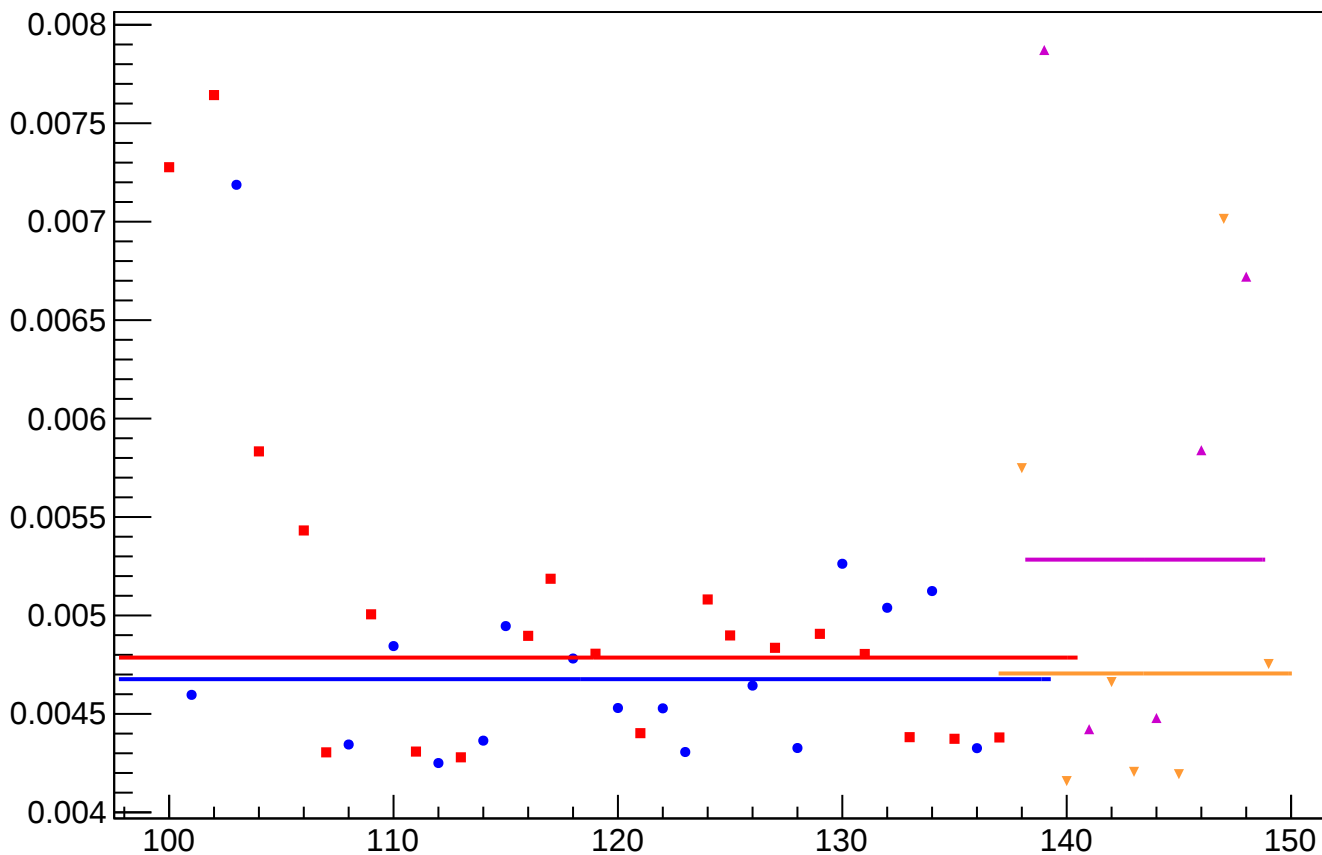
Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

Left In: -0.223+/-0.000 χ^2/NDF : 12031507.9/4

-0.225+/-0.000 χ^2/NDF : 95537765.3/23

-0.224+/-0.000 χ^2/NDF : 180263060.8/24

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 : 271602.9/6

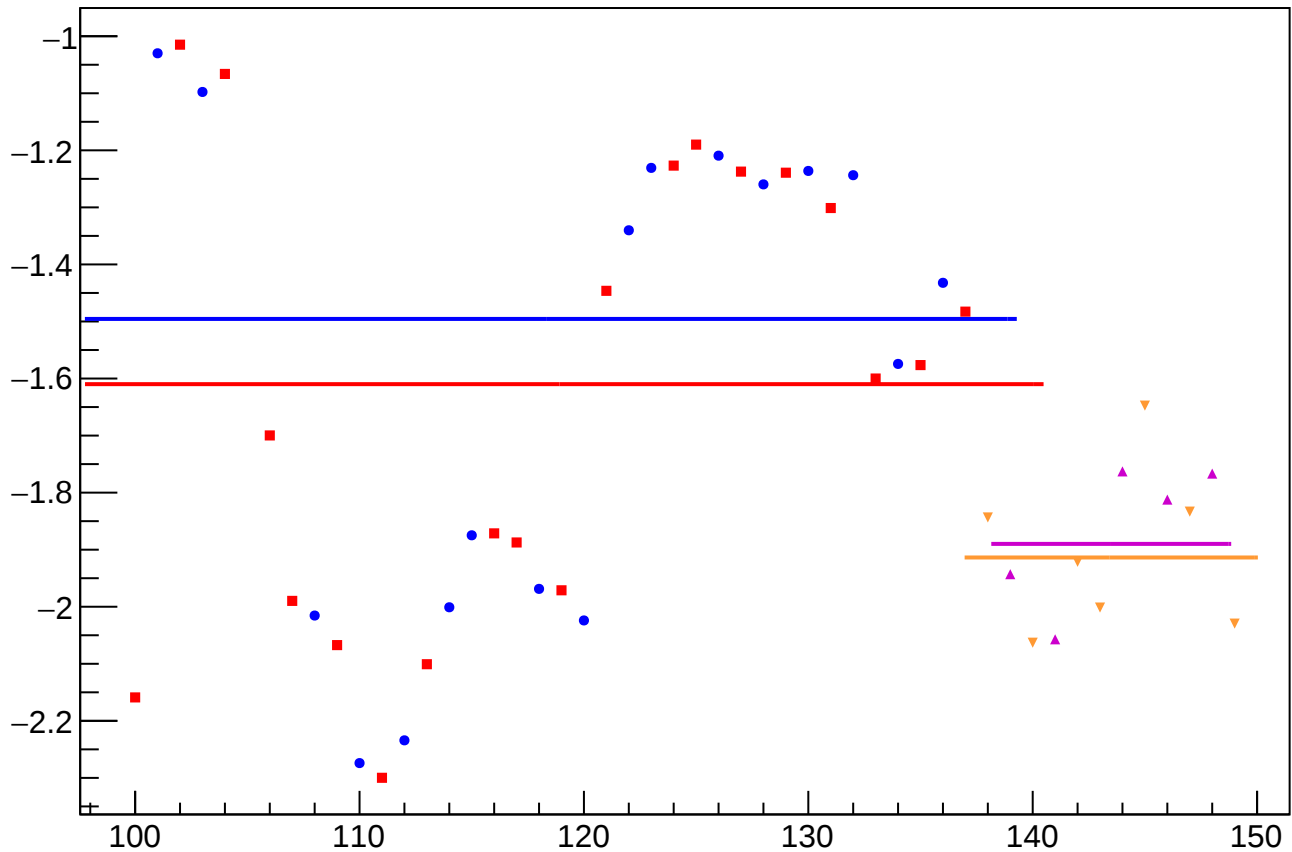
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 340266.8/4

0.005+/-0.000 χ^2/NDF : 452576.8/23

0.005+/-0.000 χ^2/NDF : 632374.2/24

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.914+/-0.000 χ^2/NDF : 2661346323.0/6

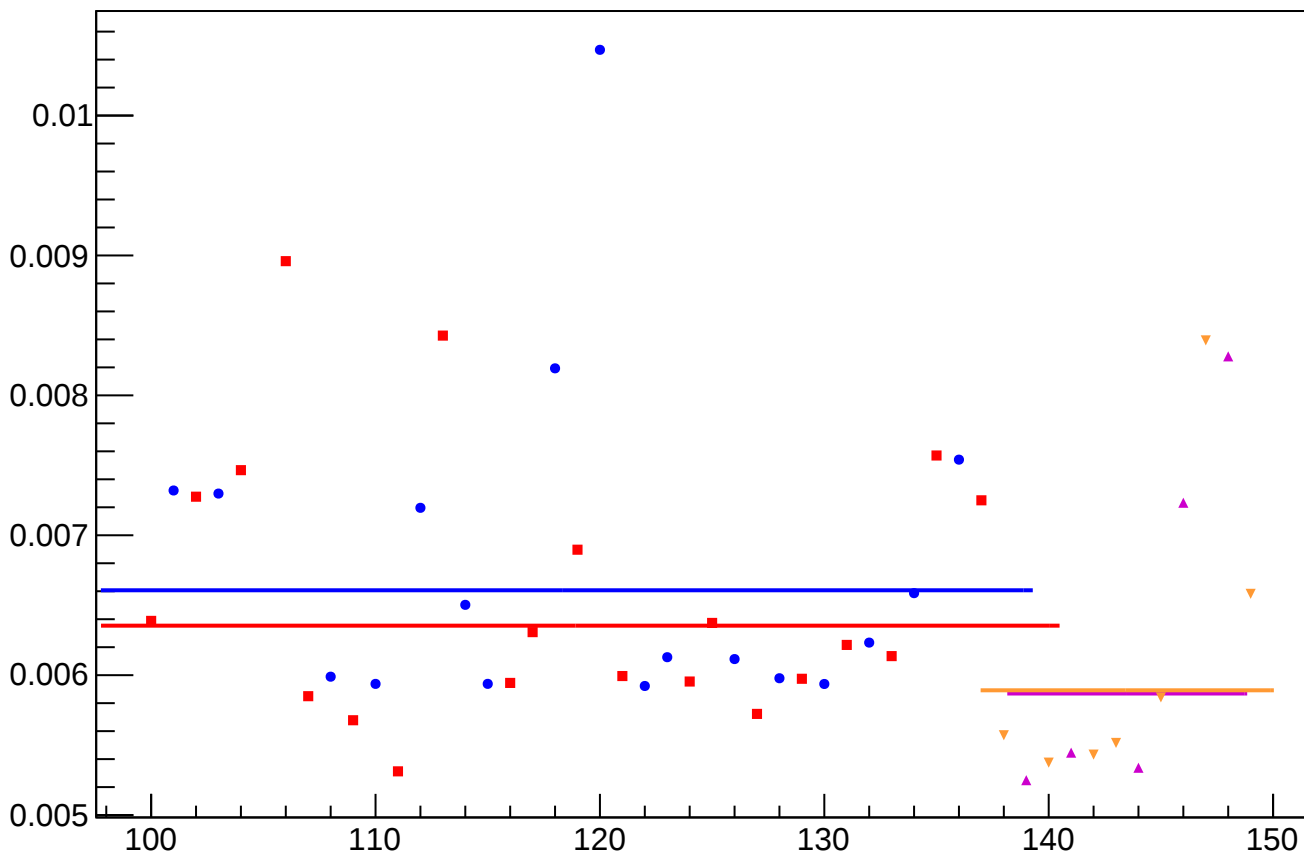
Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

Left In: -1.890+/-0.000 χ^2/NDF : 1555659275.7/4

-1.700+/-0.000 χ^2/NDF : 37064945127.7/23

-1.720+/-0.000 χ^2/NDF : 34544372438.1/24

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :171527.4/6

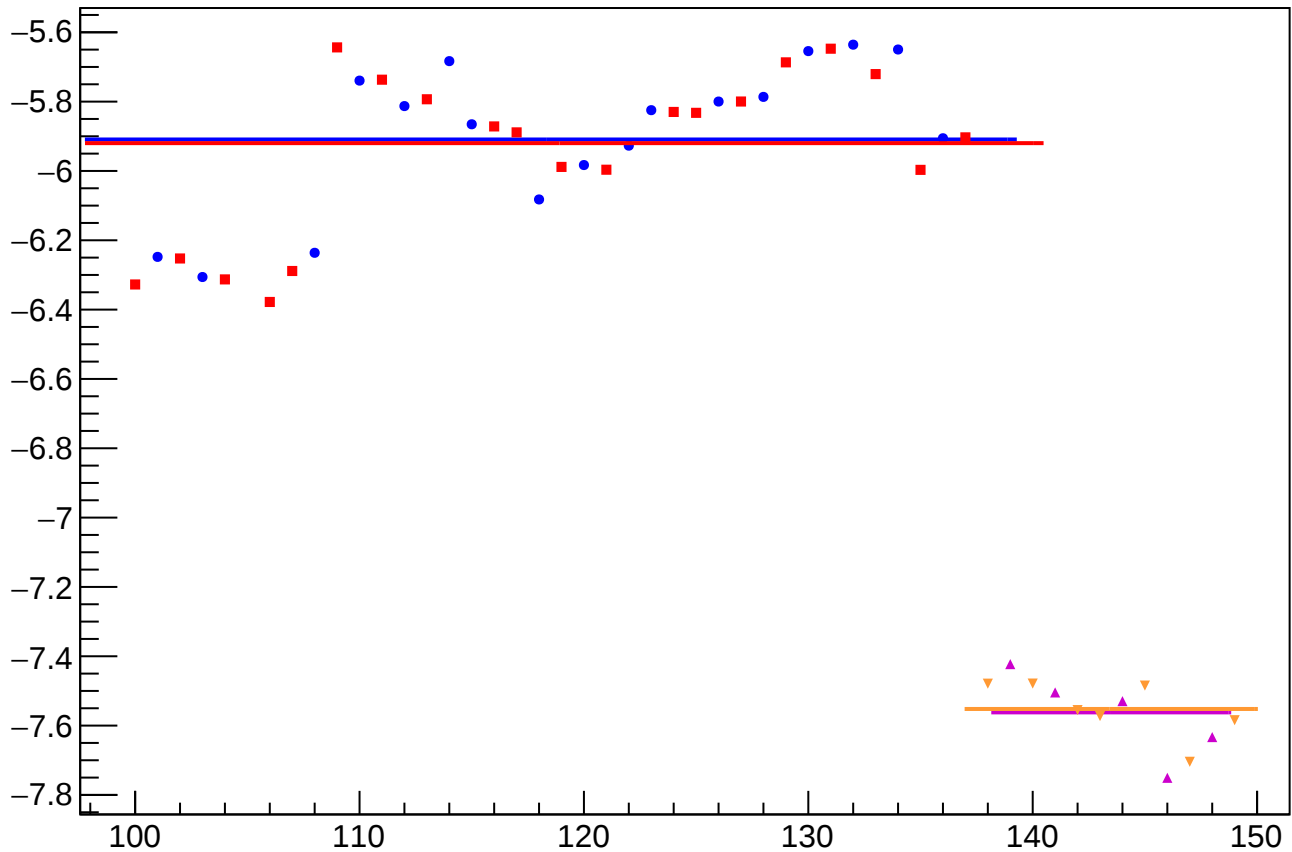
Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

Left In: 0.006+/-0.000 χ^2/NDF :216076.4/4

0.006+/-0.000 χ^2/NDF : 442410.6/23

0.006+/-0.000 χ^2/NDF : 473683.2/24

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2 /NDF: 11125163629.1/16

Left Out: -7.552+/-0.000 χ^2 /NDF:360555184.1/6

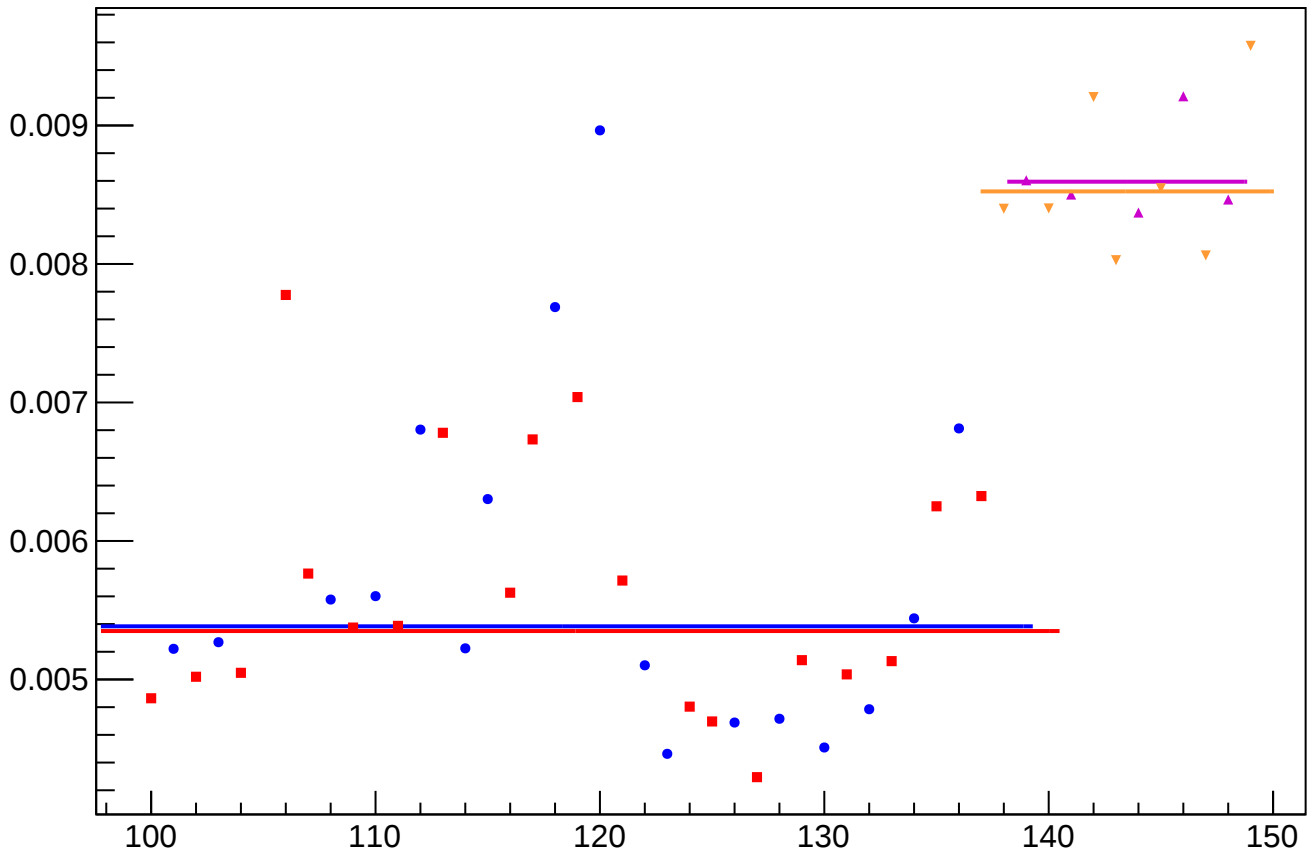
-6.264+/-0.000 χ^2 /NDF: 129470864650.3/23

Right Out: -5.920+/-0.000 χ^2 /NDF: 12786104538.4/19

-6.200+/-0.000 χ^2 /NDF: 116228912048.8/24

Left In: -7.562+/-0.000 χ^2 /NDF:510486800.1/4

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 29043.6/6

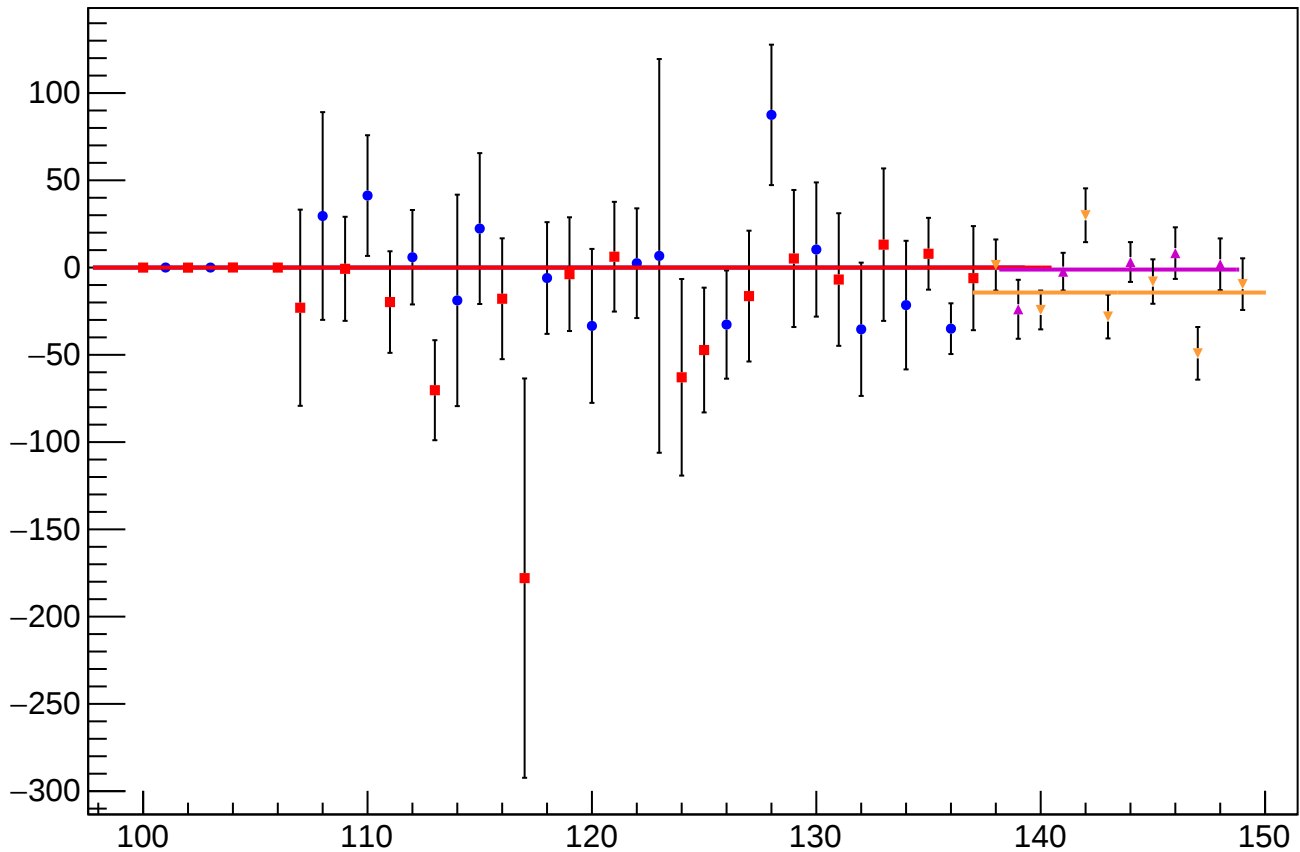
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.009+/-0.000 χ^2/NDF : 7120.6/4

0.006+/-0.000 χ^2/NDF : 1238868.4/23

0.006+/-0.000 χ^2/NDF : 1058750.7/24

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 15.8/16

Left Out: -14.313+/-5.102 χ^2/NDF : 17.1/6

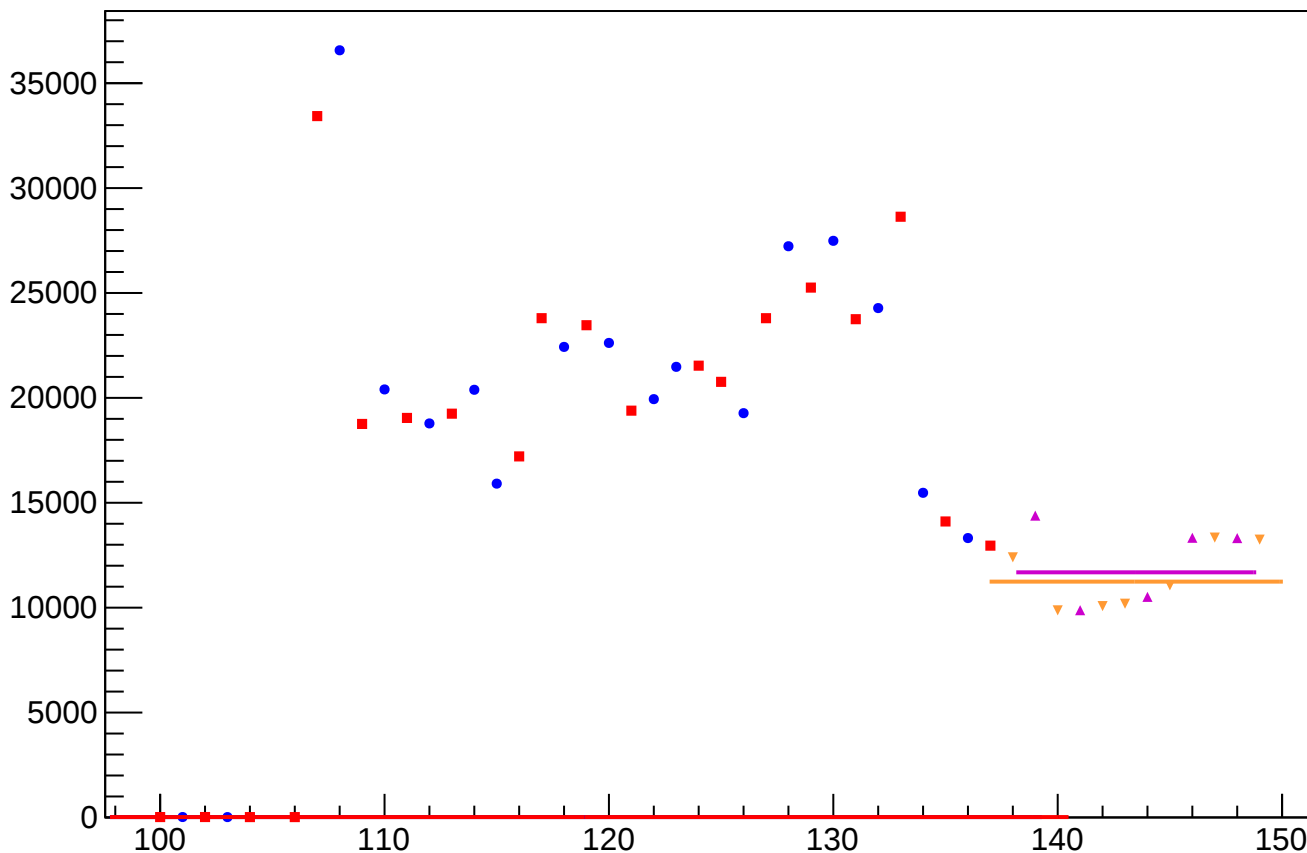
Right Out: 0.003+/-0.016 χ^2/NDF : 17.7/19

Left In: -1.140+/-5.884 χ^2/NDF : 2.4/4

0.013+/-0.017 χ^2/NDF : 40.7/23

0.003+/-0.016 χ^2/NDF : 20.2/24

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 11241.316+/-3.607 χ^2/NDF :143998.3/6

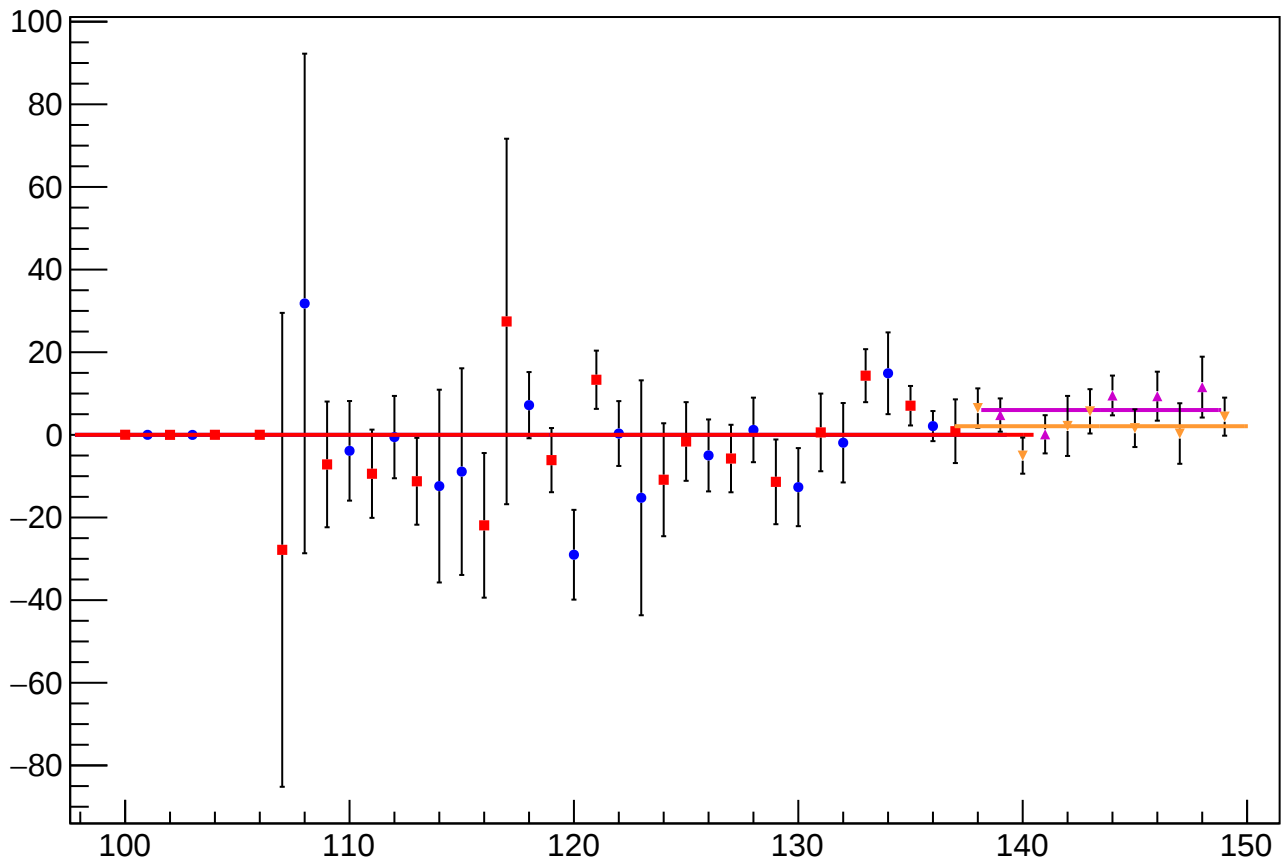
Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

Left In: 11684.528+/-4.161 χ^2/NDF :177132.8/4

18.770+/-0.012 χ^2/NDF : 20663875.1/23

18.399+/-0.011 χ^2/NDF : 19229123.4/24

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 2.093 $\pm$ 1.947 χ^2 /NDF: 4.3/6

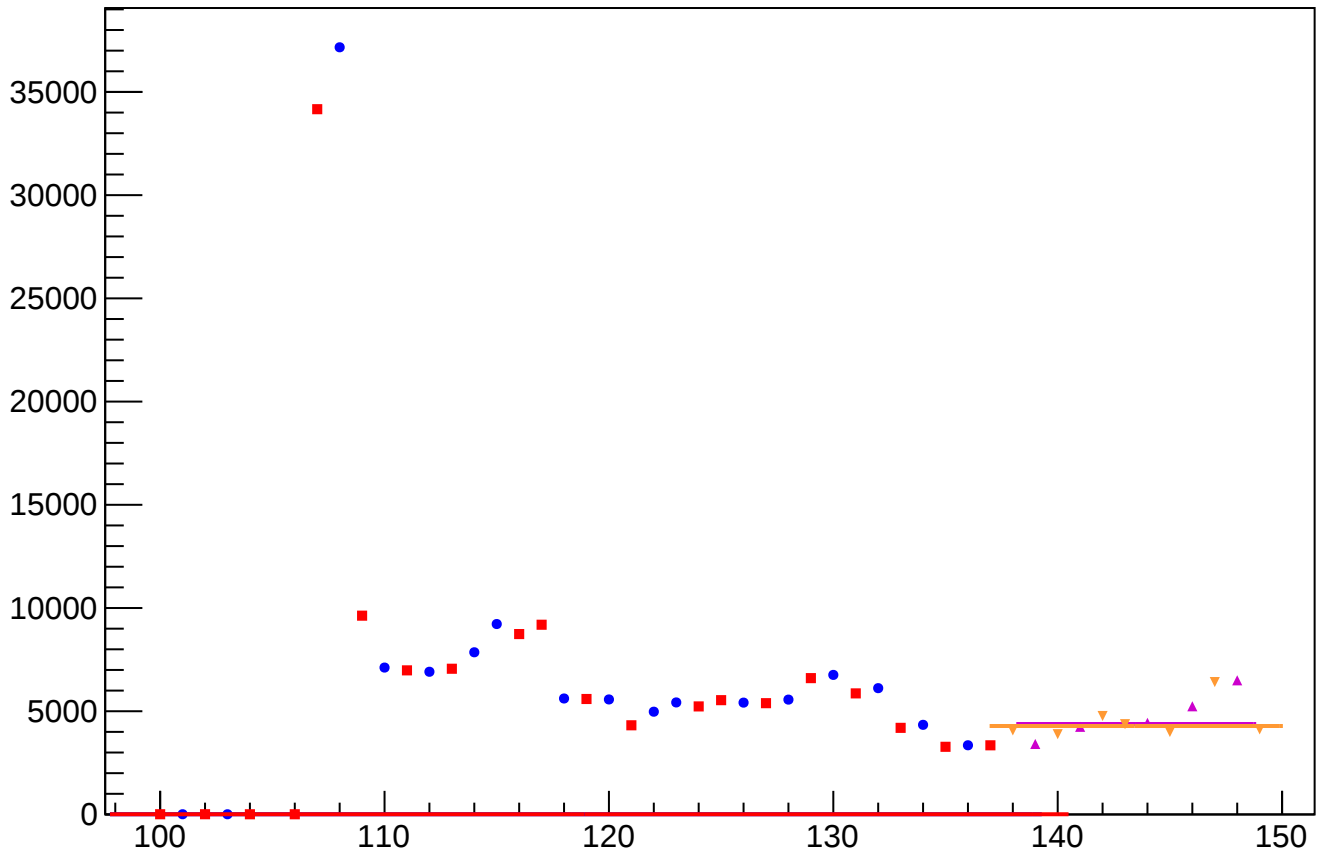
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/19

Left In: 6.010 $\pm$ 2.244 χ^2 /NDF: 3.1/4

0.001 $\pm$ 0.009 χ^2 /NDF: 20.3/23

0.014 $\pm$ 0.009 χ^2 /NDF: 29.1/24

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4284.719+/-1.377 χ^2/NDF : 209228.6/6

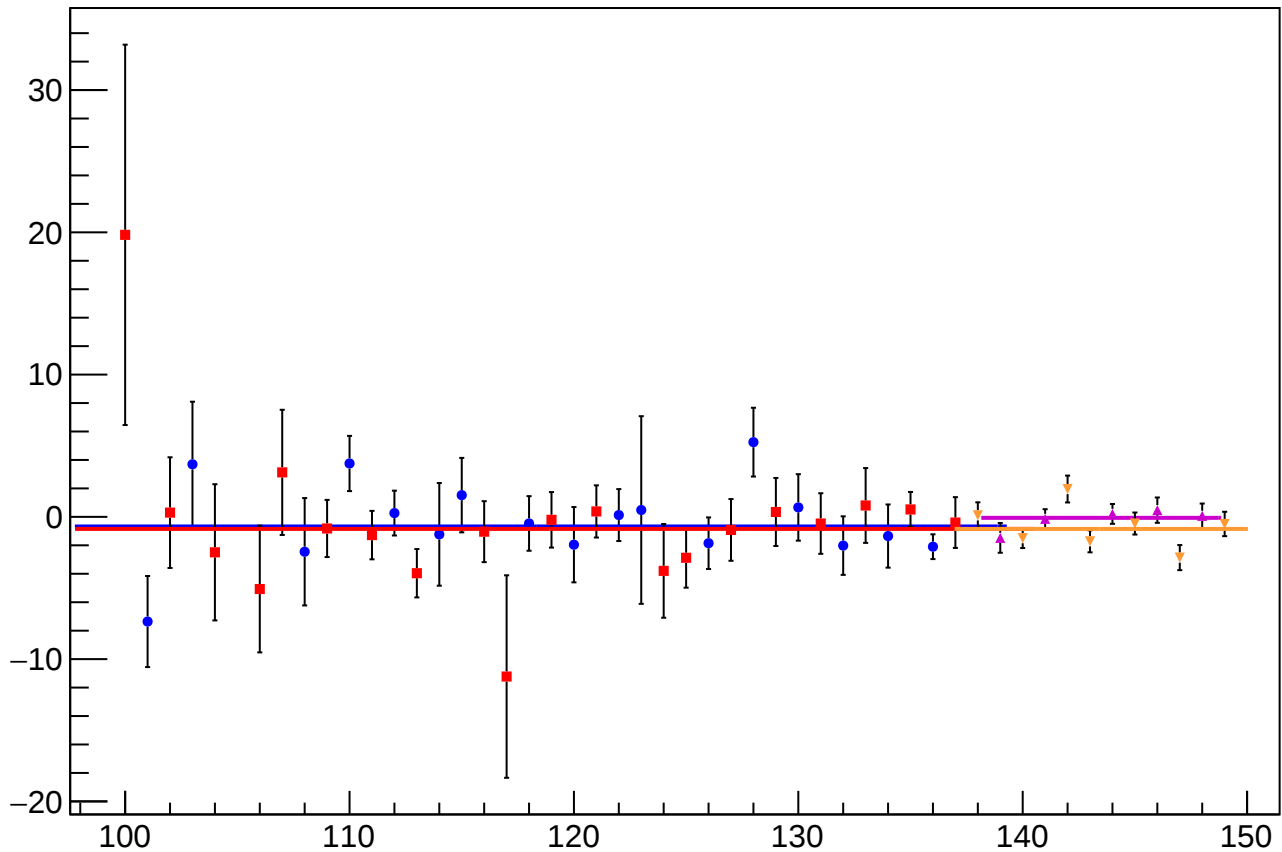
Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

Left In: 4381.161+/-1.587 χ^2/NDF : 324392.4/4

10.033+/-0.007 χ^2/NDF : 20825575.5/23

9.920+/-0.006 χ^2/NDF : 19149938.0/24

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.847 ± 0.310 χ^2/NDF : 17.7/6

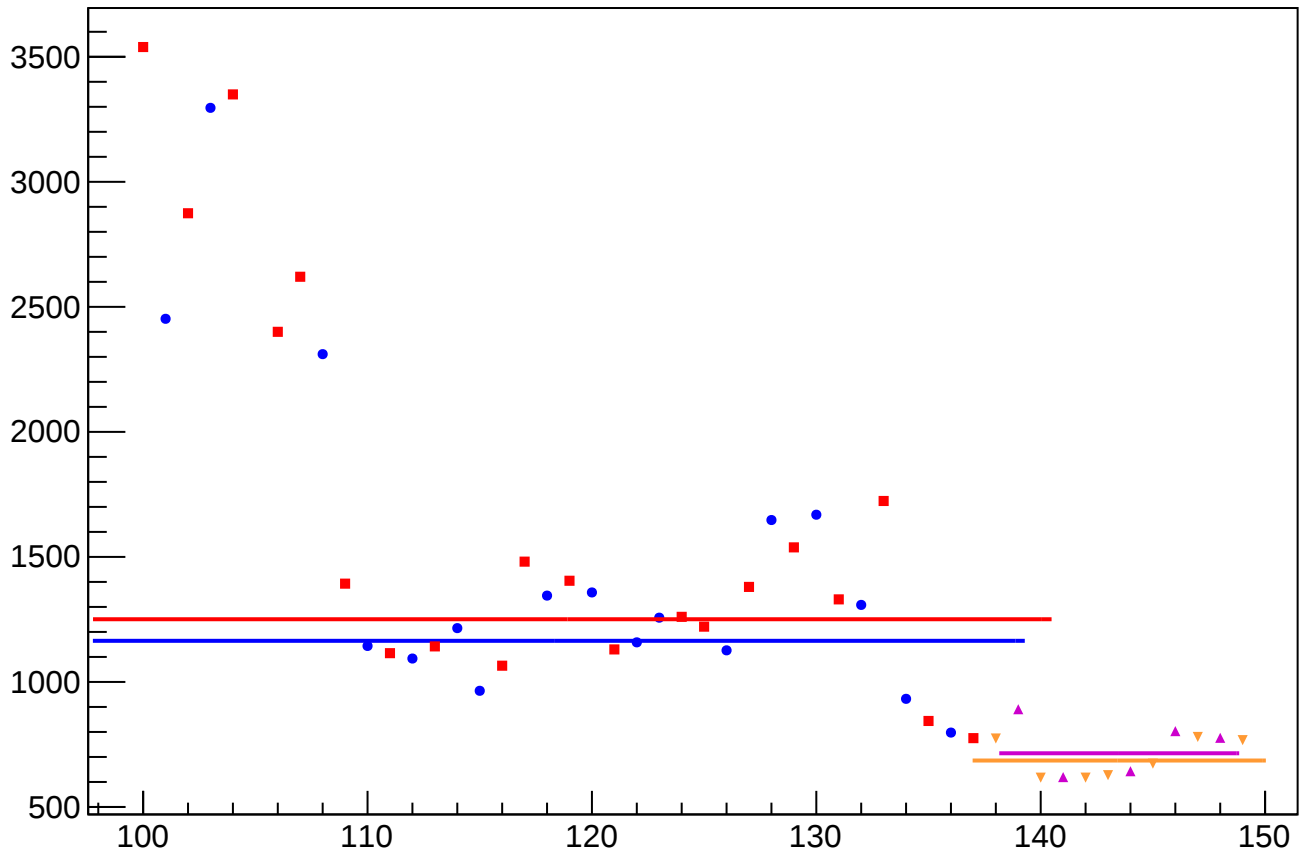
Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

Left In: -0.069 ± 0.359 χ^2/NDF : 2.4/4

-0.798 ± 0.261 χ^2/NDF : 40.1/23

-0.333 ± 0.292 χ^2/NDF : 18.1/24

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 685.758 $\pm$ 0.219 χ^2 /NDF: 101580.5/6

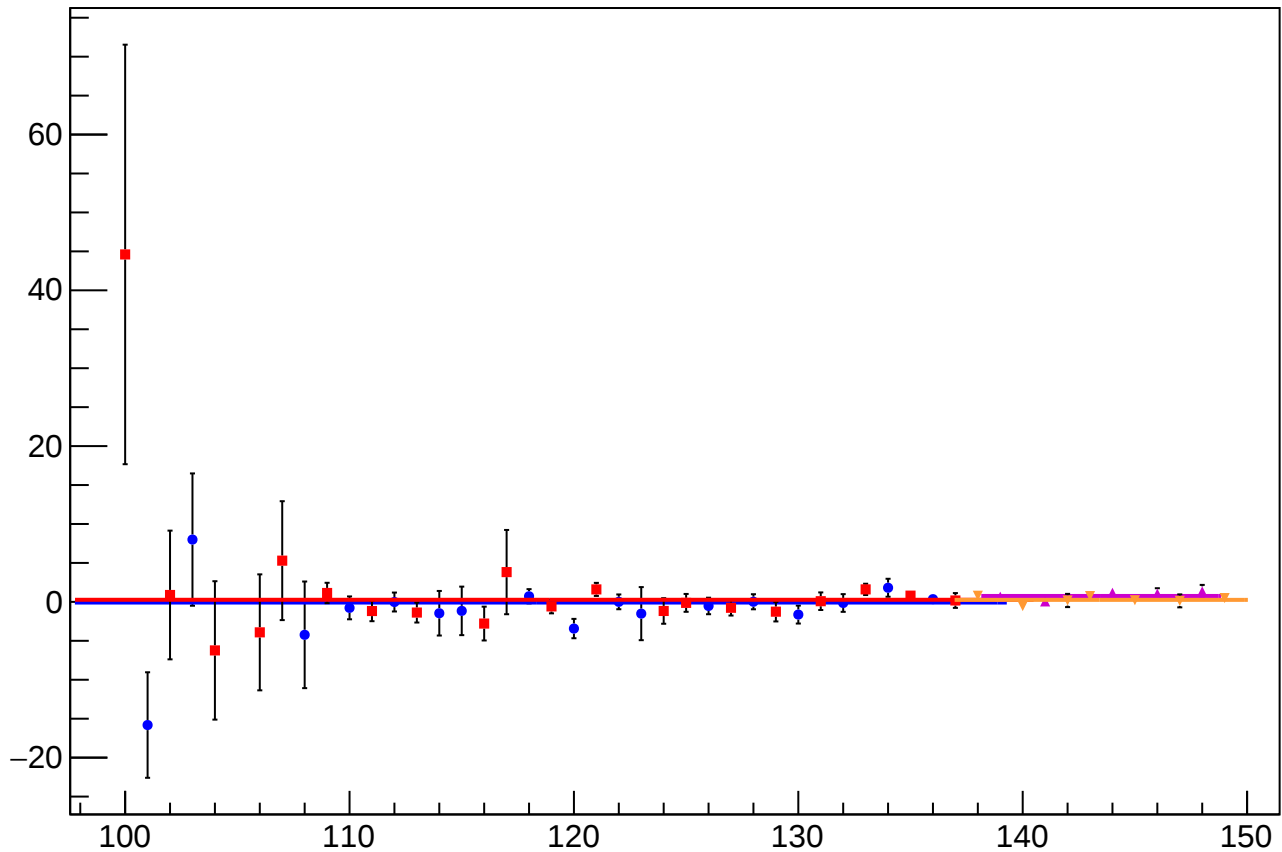
825.144 $\pm$ 0.185 χ^2 /NDF: 3071780.1/23

Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

897.139 $\pm$ 0.206 χ^2 /NDF: 3315643.5/24

Left In: 714.764 $\pm$ 0.254 χ^2 /NDF: 147557.8/4

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.256 ± 0.229 χ^2/NDF : 4.1/6

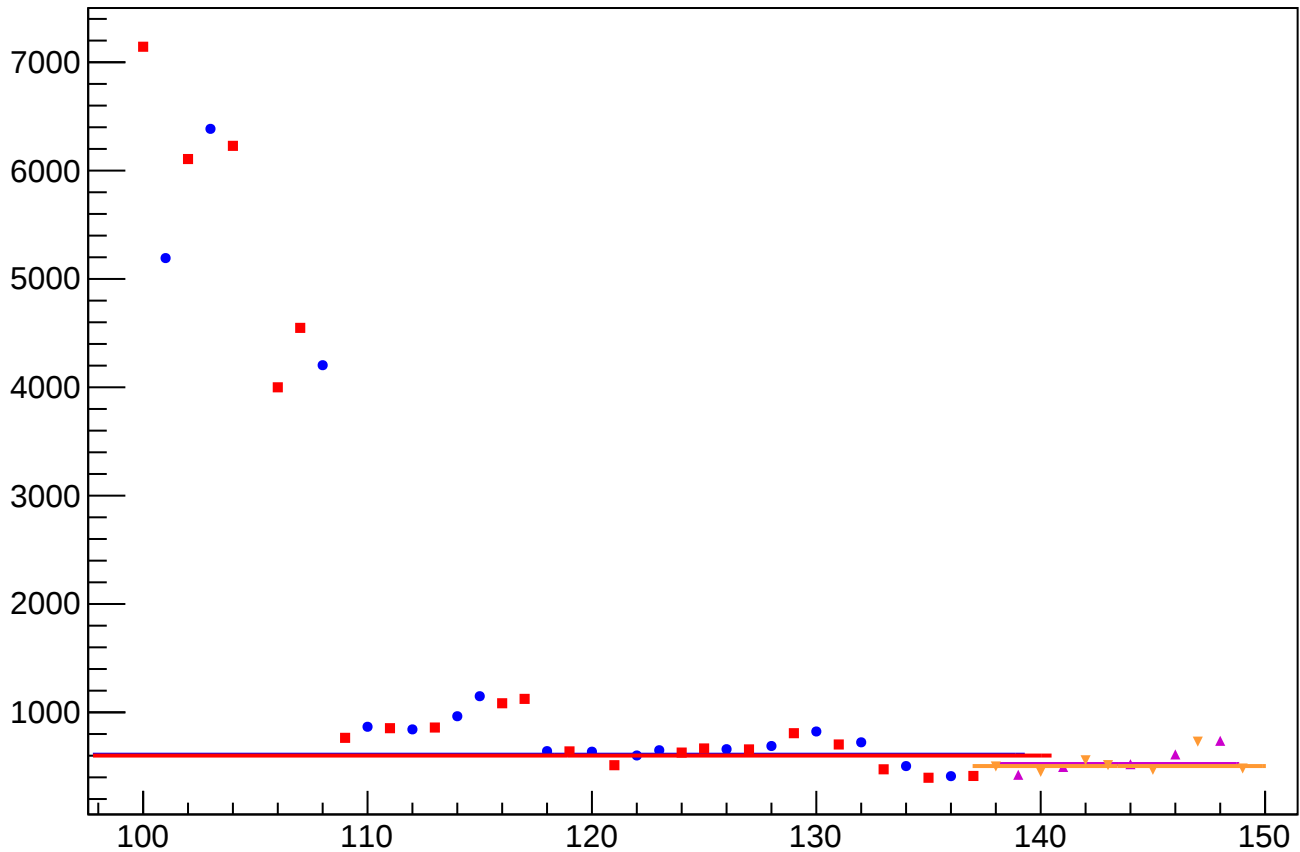
Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

Left In: 0.758 ± 0.266 χ^2/NDF : 2.9/4

0.114 ± 0.175 χ^2/NDF : 26.1/23

0.510 ± 0.188 χ^2/NDF : 25.5/24

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 504.267+/-0.162 χ^2/NDF : 189248.4/6

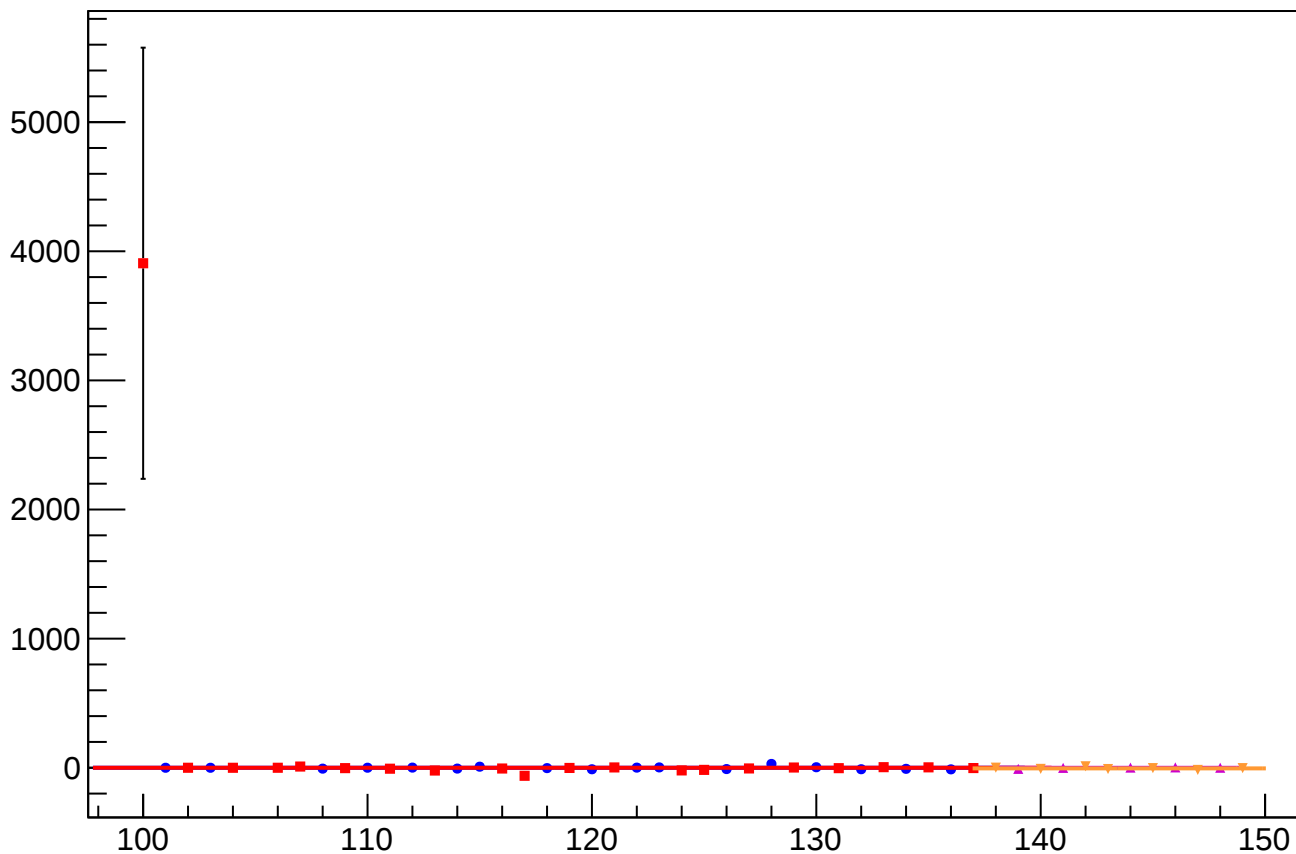
548.007+/-0.123 χ^2/NDF : 3503604.5/23

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

562.480+/-0.133 χ^2/NDF : 3901787.2/24

Left In: 523.084+/-0.188 χ^2/NDF : 248804.5/4

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2/NDF : 15.3/16

Left Out: -4.874+/-1.798 χ^2/NDF : 17.8/6

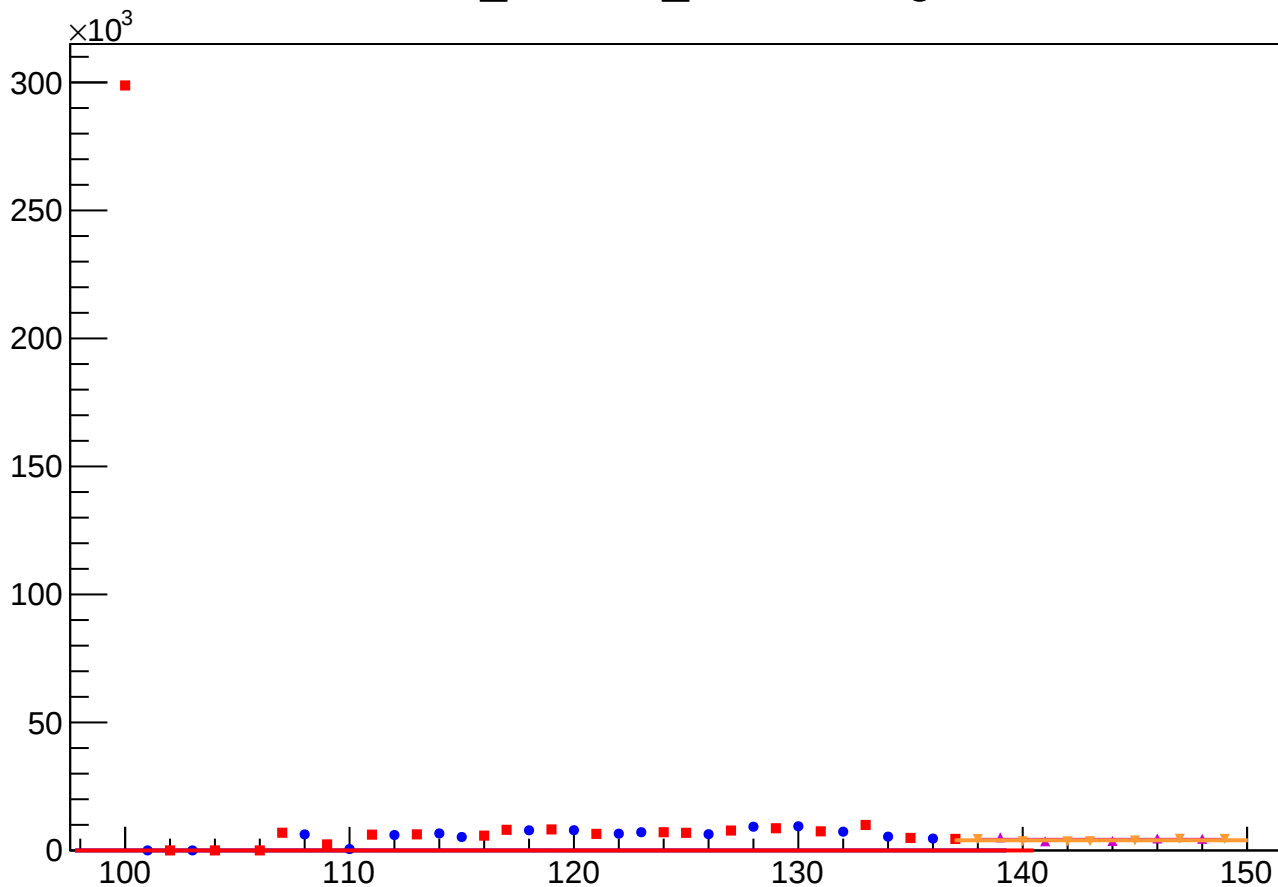
Right Out: -0.027+/-0.020 χ^2/NDF : 19.8/19

Left In: -0.395+/-2.084 χ^2/NDF : 2.4/4

-0.022+/-0.021 χ^2/NDF : 40.3/23

-0.027+/-0.020 χ^2/NDF : 22.3/24

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 3971.293 $\pm$ 1.271 χ^2 /NDF:109938.0/6

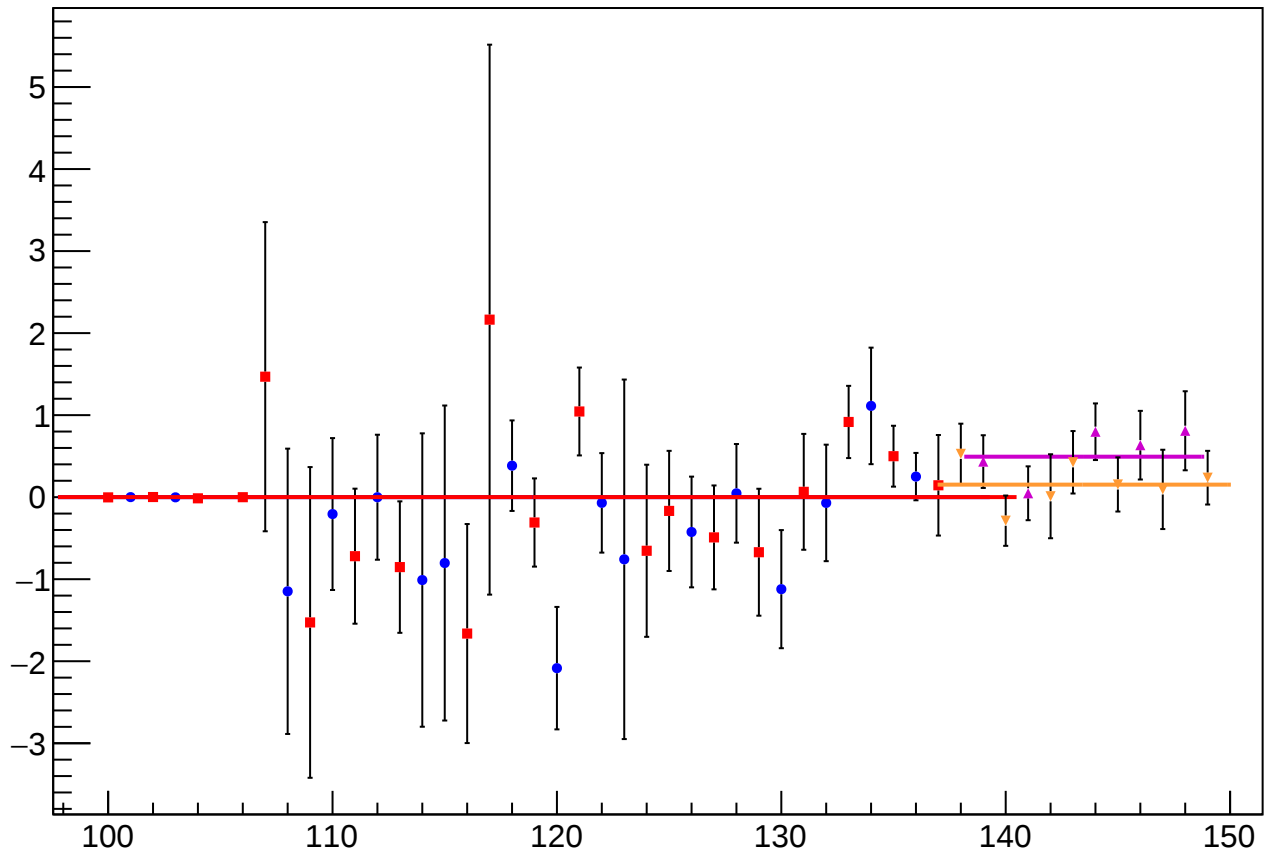
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 4147.309 $\pm$ 1.474 χ^2 /NDF:152274.1/4

17.866 $\pm$ 0.015 χ^2 /NDF: 20138166.7/23

17.642 $\pm$ 0.014 χ^2 /NDF: 18903006.2/24

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/16

Left Out: 0.153 $\pm$ 0.139 χ^2 /NDF: 3.8/6

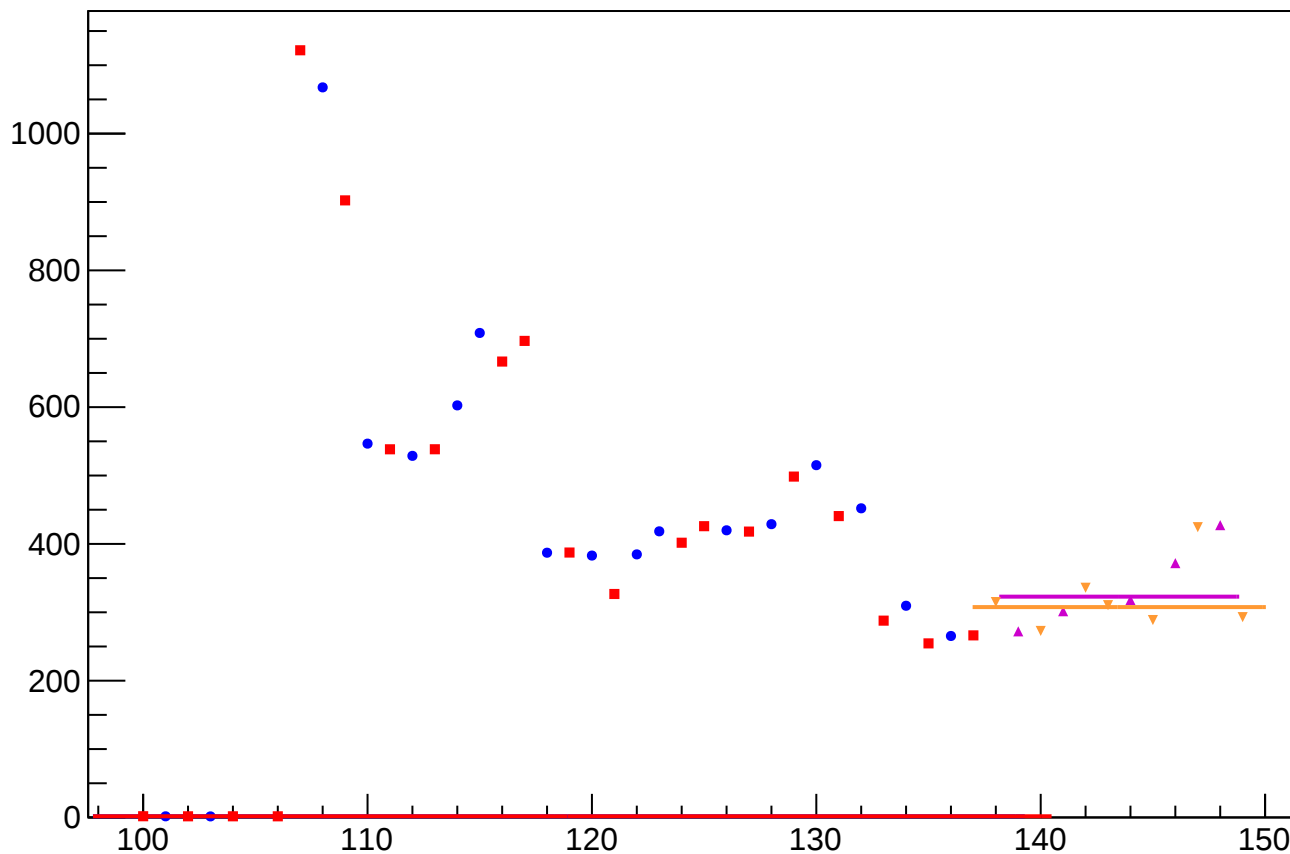
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 18.2/19

Left In: 0.493 $\pm$ 0.164 χ^2 /NDF: 3.2/4

0.000 $\pm$ 0.002 χ^2 /NDF: 20.6/23

0.001 $\pm$ 0.002 χ^2 /NDF: 30.5/24

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 307.614+/-0.099 χ^2/NDF :160322.3/6

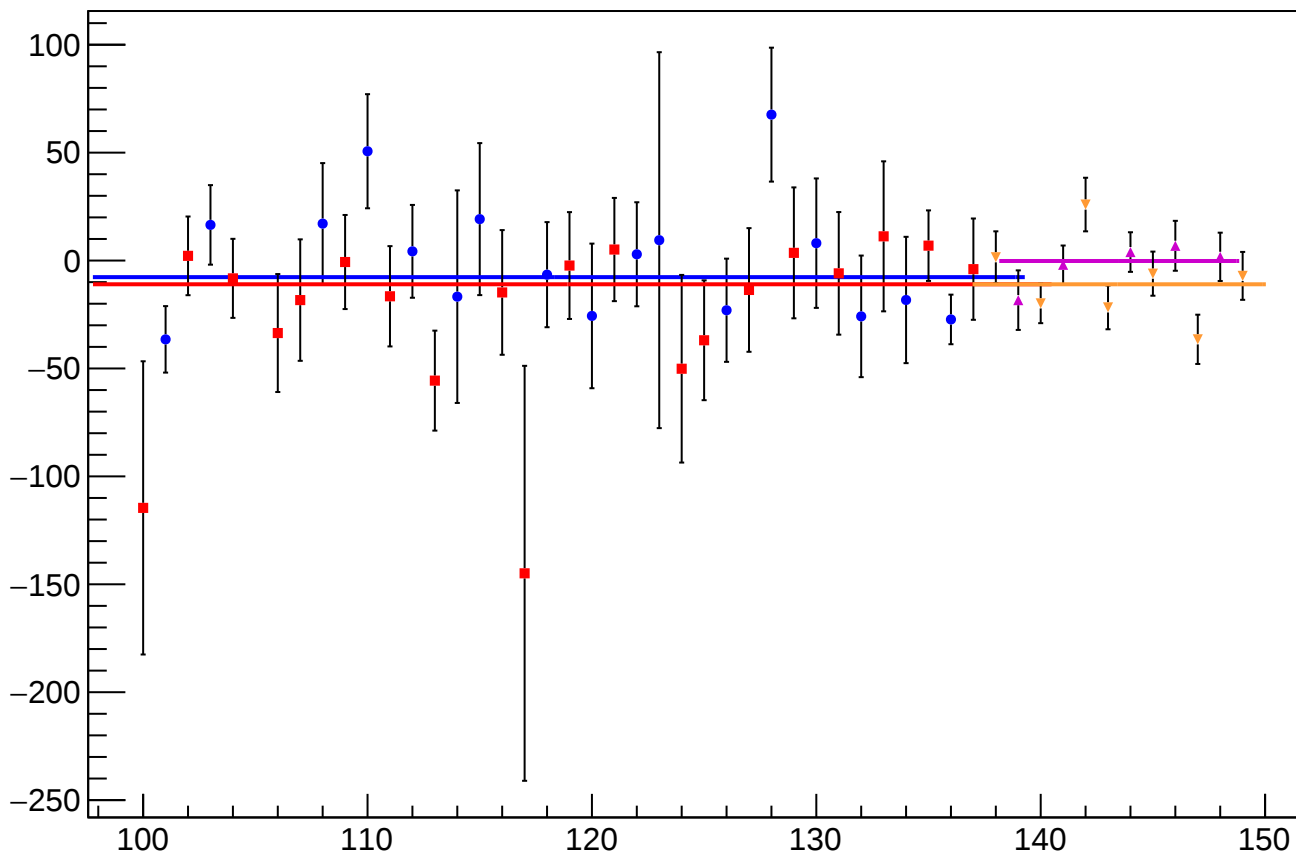
Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

Left In: 322.890+/-0.116 χ^2/NDF :180292.7/4

1.763+/-0.001 χ^2/NDF : 20714981.6/23

1.774+/-0.001 χ^2/NDF : 18711232.8/24

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -10.995 ± 4.069 χ^2/NDF : 17.3/6

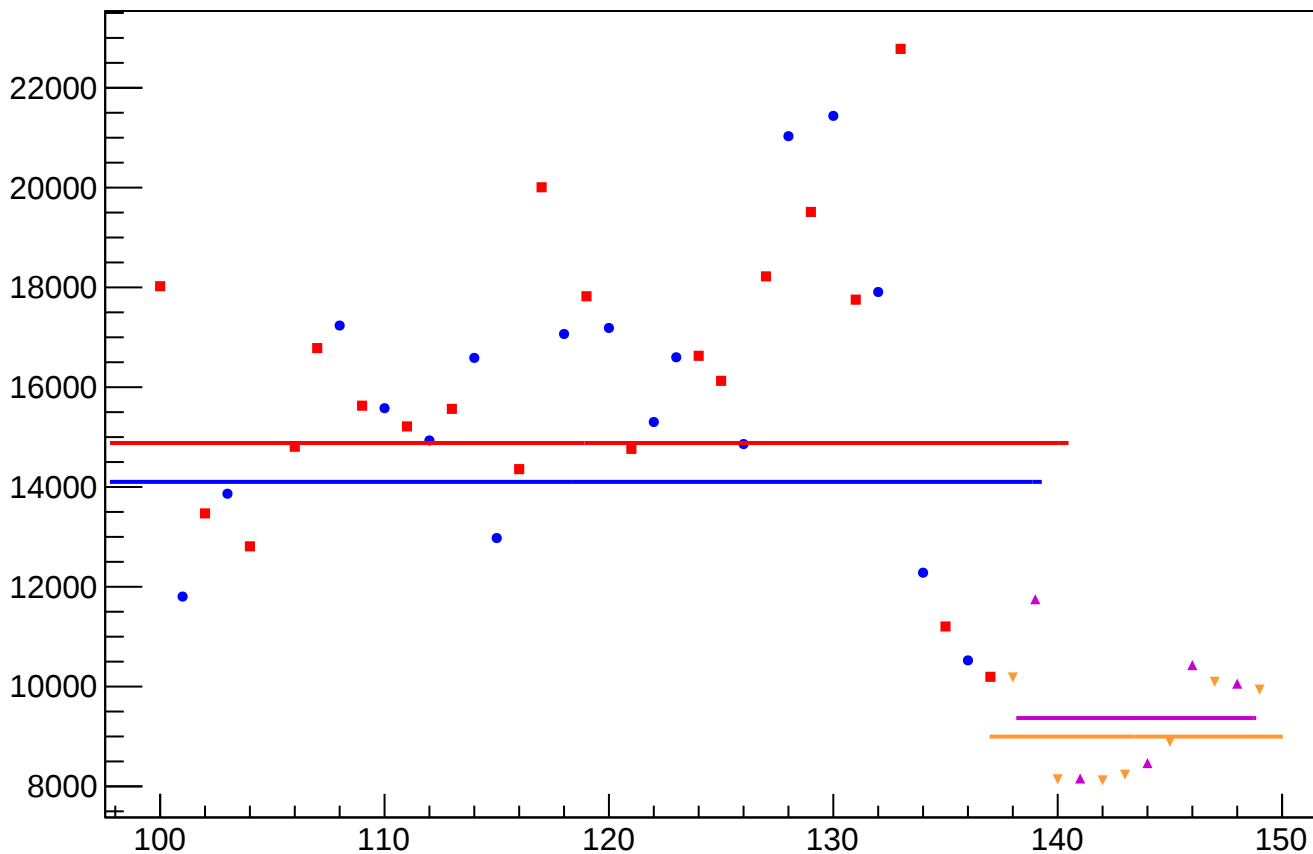
Right Out: -10.992 ± 5.672 χ^2/NDF : 13.8/19

Left In: -0.205 ± 4.706 χ^2/NDF : 2.4/4

-9.858 ± 3.298 χ^2/NDF : 39.9/23

-4.602 ± 3.622 χ^2/NDF : 18.3/24

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 8997.598+/-2.878 χ^2/NDF : 91290.6/6

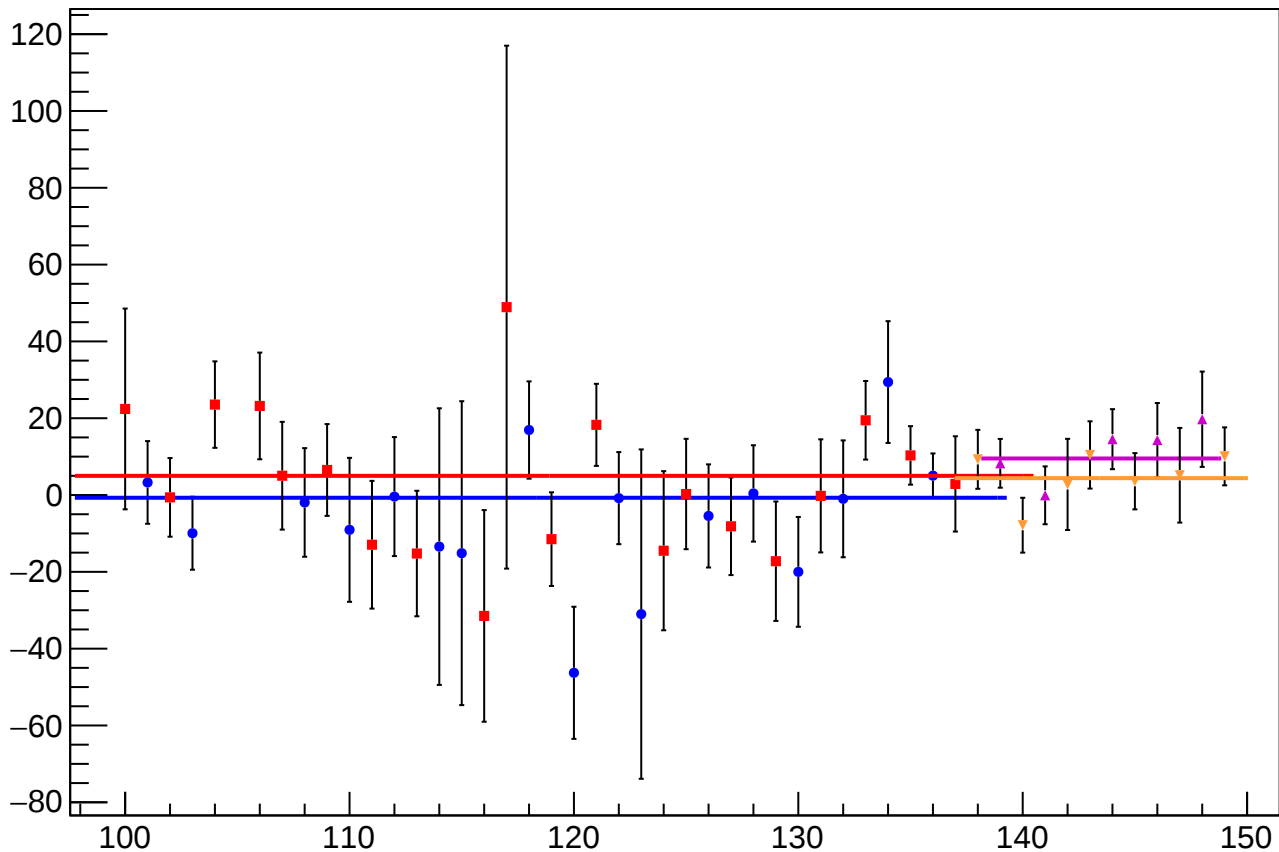
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 9369.648+/-3.327 χ^2/NDF : 140203.5/4

10750.568+/-2.332 χ^2/NDF : 1770989.6/23

11616.780+/-2.561 χ^2/NDF : 1735026.4/24

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 $\chi^2/\text{NDF}: 17.6/16$

1.772 ± 2.210 $\chi^2/\text{NDF}: 23.3/23$

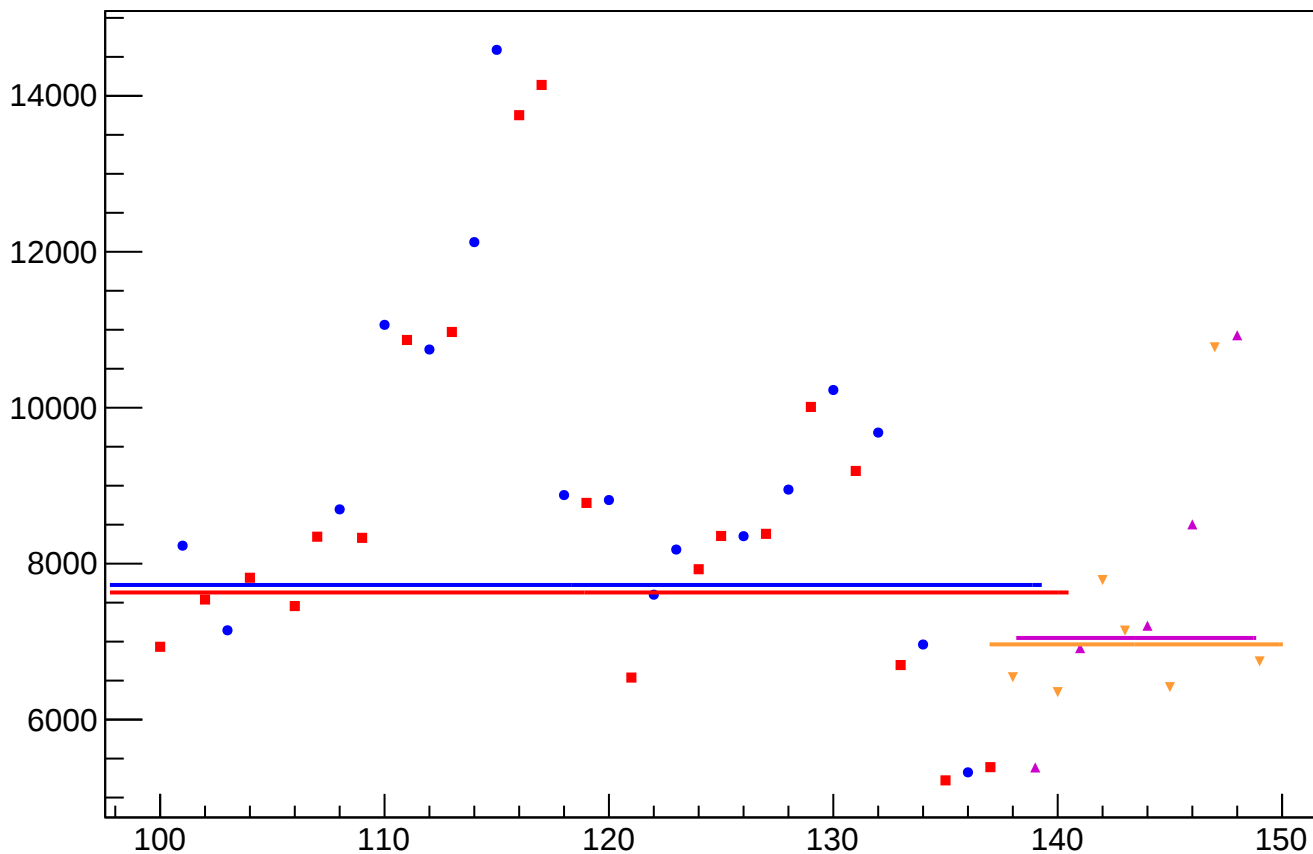
Left Out: 4.394 ± 3.170 $\chi^2/\text{NDF}: 4.4/6$

6.789 ± 2.282 $\chi^2/\text{NDF}: 24.1/24$

Right Out: 5.000 ± 2.937 $\chi^2/\text{NDF}: 20.2/19$

Left In: 9.518 ± 3.627 $\chi^2/\text{NDF}: 3.0/4$

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 6964.603 $\pm$ 2.242 χ^2 /NDF: 235226.1/6

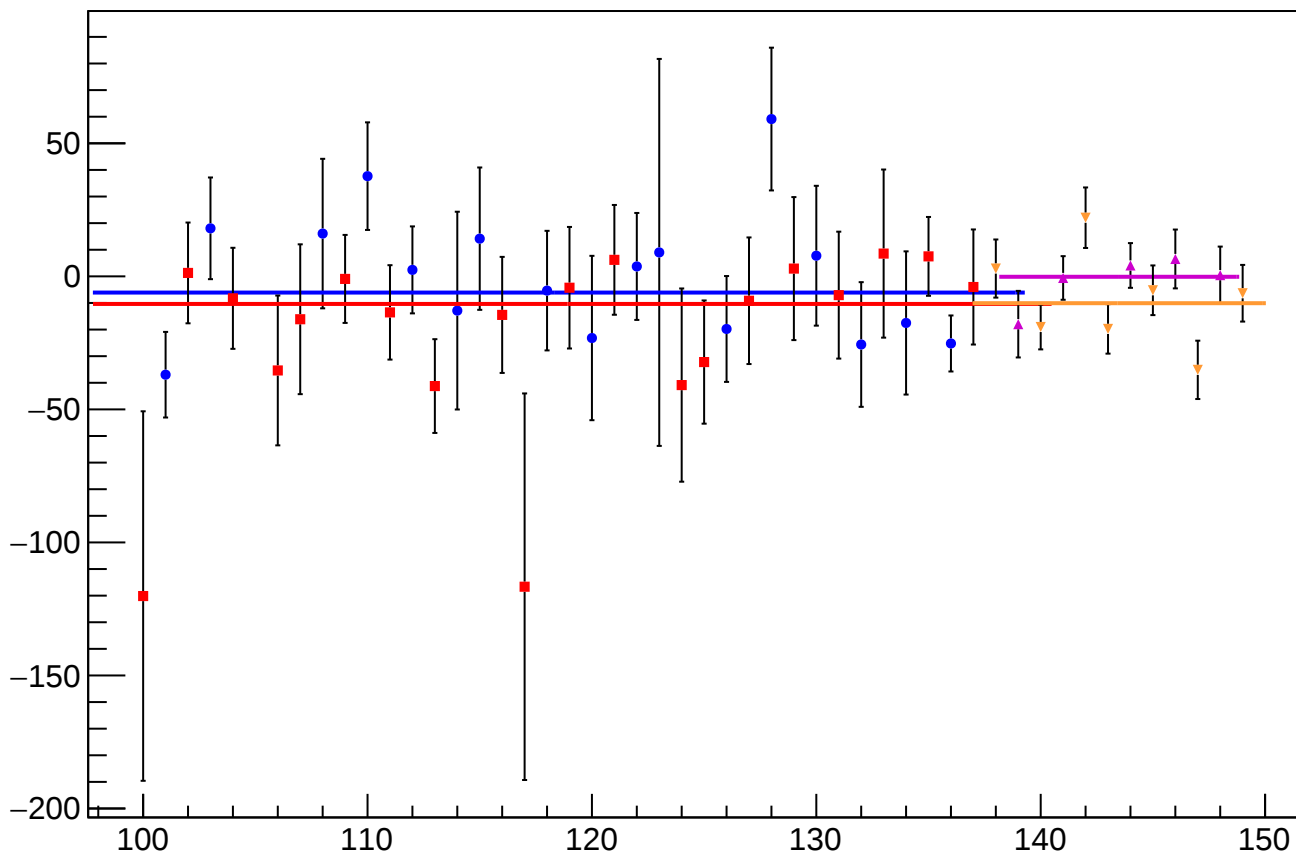
Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

Left In: 7047.203 $\pm$ 2.565 χ^2 /NDF: 379359.1/4

7356.231 $\pm$ 1.563 χ^2 /NDF: 1037138.1/23

7399.443 $\pm$ 1.614 χ^2 /NDF: 1104026.6/24

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -10.088 ± 3.769 $\chi^2/\text{NDF}: 17.2/6$

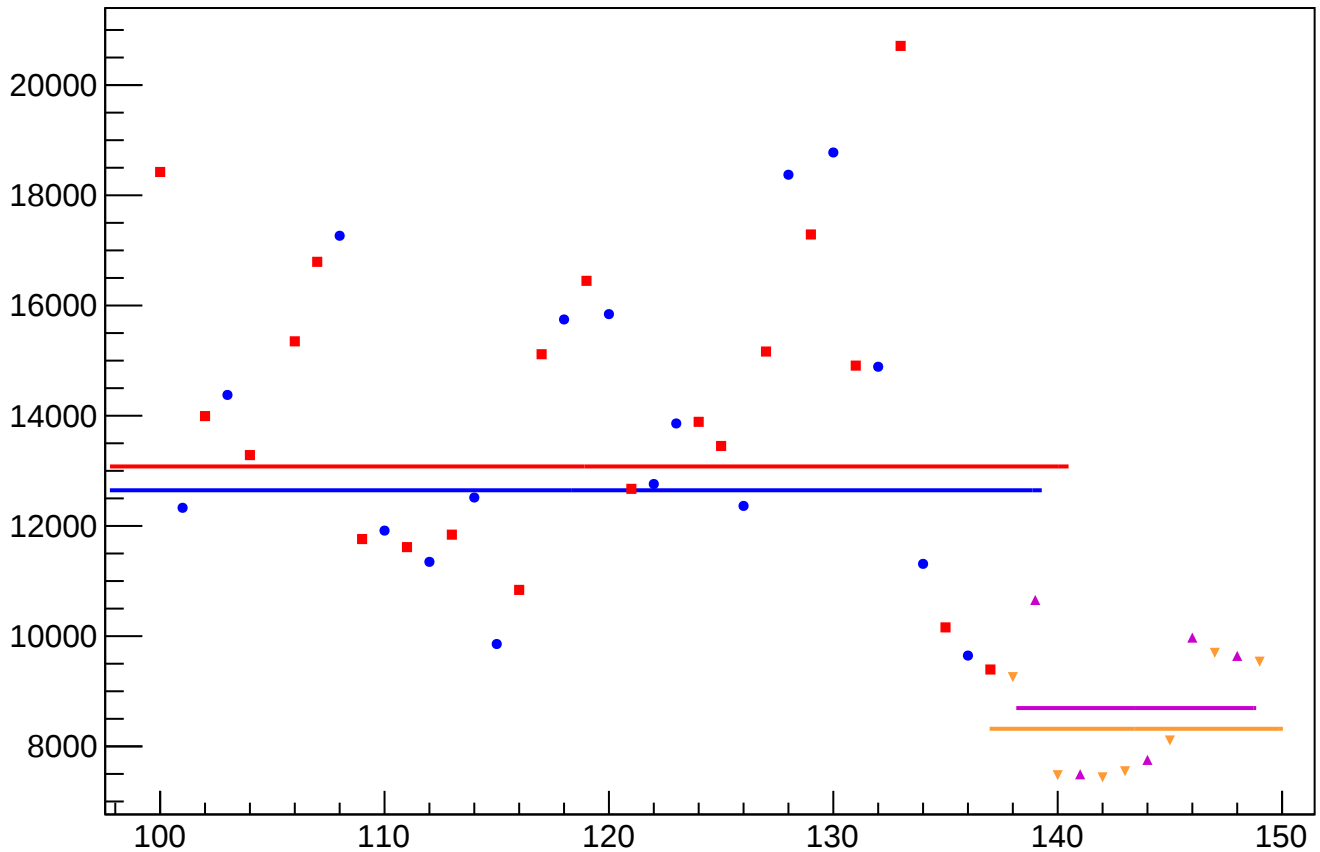
Right Out: -10.369 ± 4.992 $\chi^2/\text{NDF}: 13.8/19$

Left In: -0.158 ± 4.372 $\chi^2/\text{NDF}: 2.7/4$

-8.653 ± 3.017 $\chi^2/\text{NDF}: 40.5/23$

-4.591 ± 3.289 $\chi^2/\text{NDF}: 18.8/24$

diff_bpm4eX_rms vs Slug



Right In: 12647.257 ± 3.559 χ^2/NDF : 554320.4/16

Left Out: 8319.173 ± 2.665 χ^2/NDF : 119308.5/6

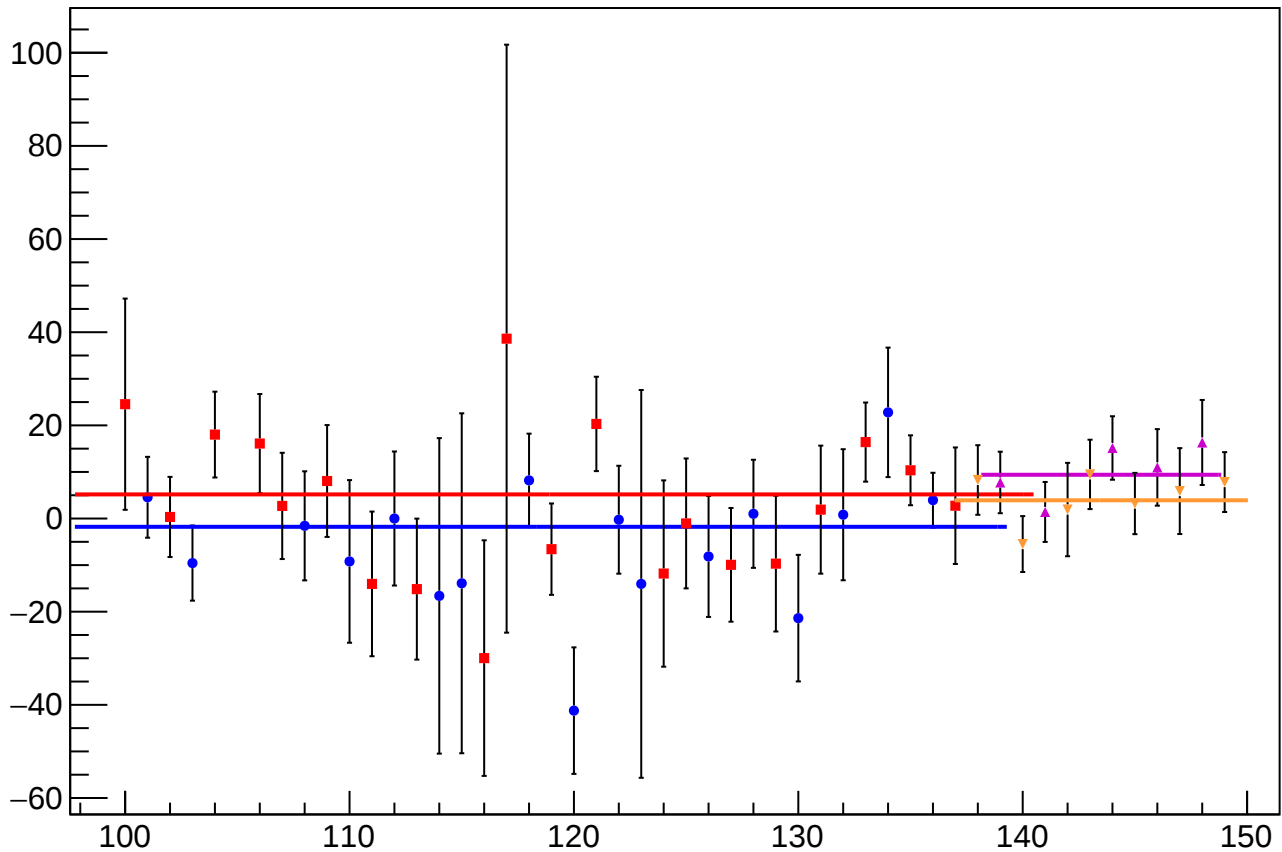
Right Out: 13079.592 ± 3.530 χ^2/NDF : 497851.1/19

Left In: 8695.421 ± 3.092 χ^2/NDF : 159543.8/4

9873.956 ± 2.133 χ^2/NDF : 1621063.5/23

10598.653 ± 2.326 χ^2/NDF : 1530441.7/24

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 3.912 ± 2.744 $\chi^2/\text{NDF}: 3.8/6$

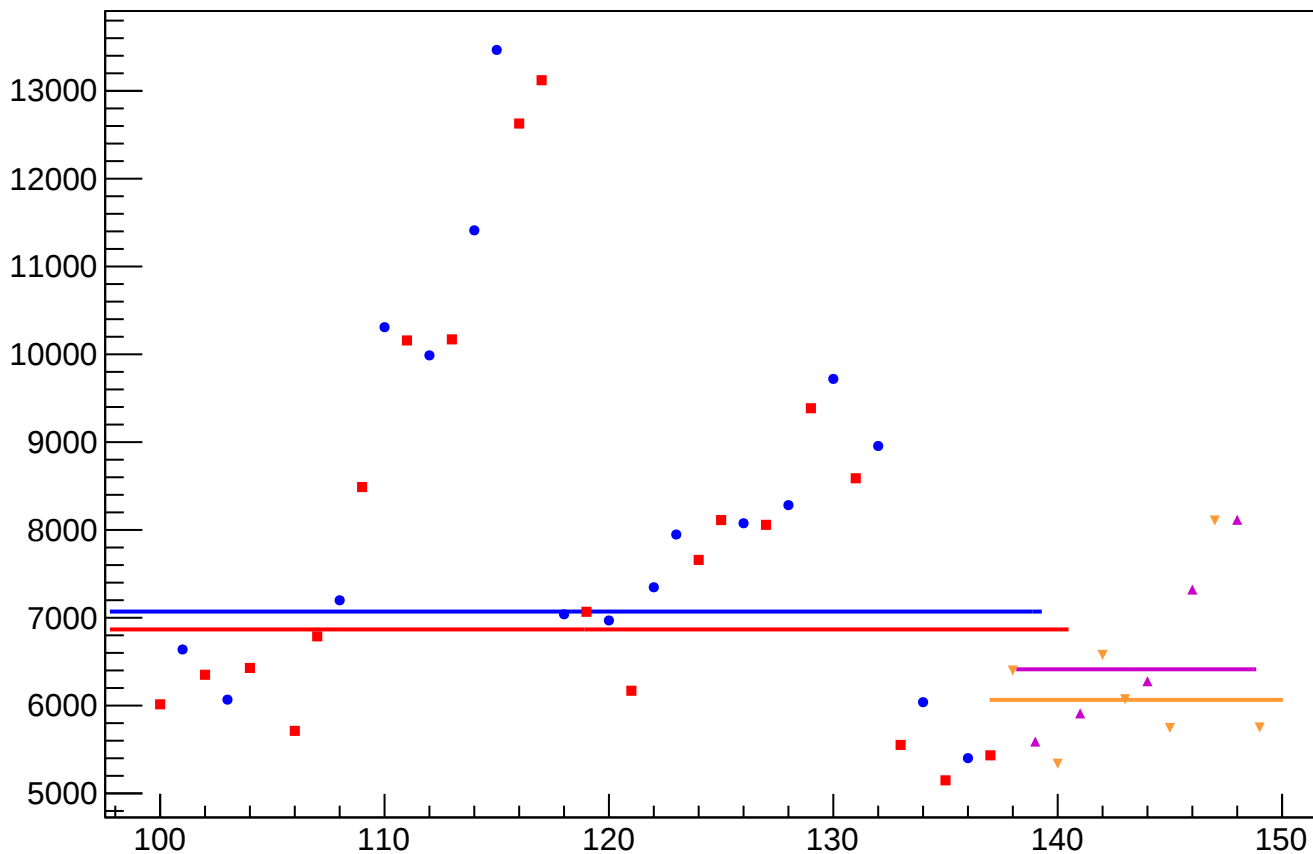
Right Out: 5.181 ± 2.640 $\chi^2/\text{NDF}: 19.2/19$

Left In: 9.394 ± 3.237 $\chi^2/\text{NDF}: 2.9/4$

1.131 ± 1.962 $\chi^2/\text{NDF}: 23.9/23$

6.863 ± 2.046 $\chi^2/\text{NDF}: 23.1/24$

diff_bpm4eY_rms vs Slug



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 6065.103+/-1.941 χ^2/NDF :146206.1/6

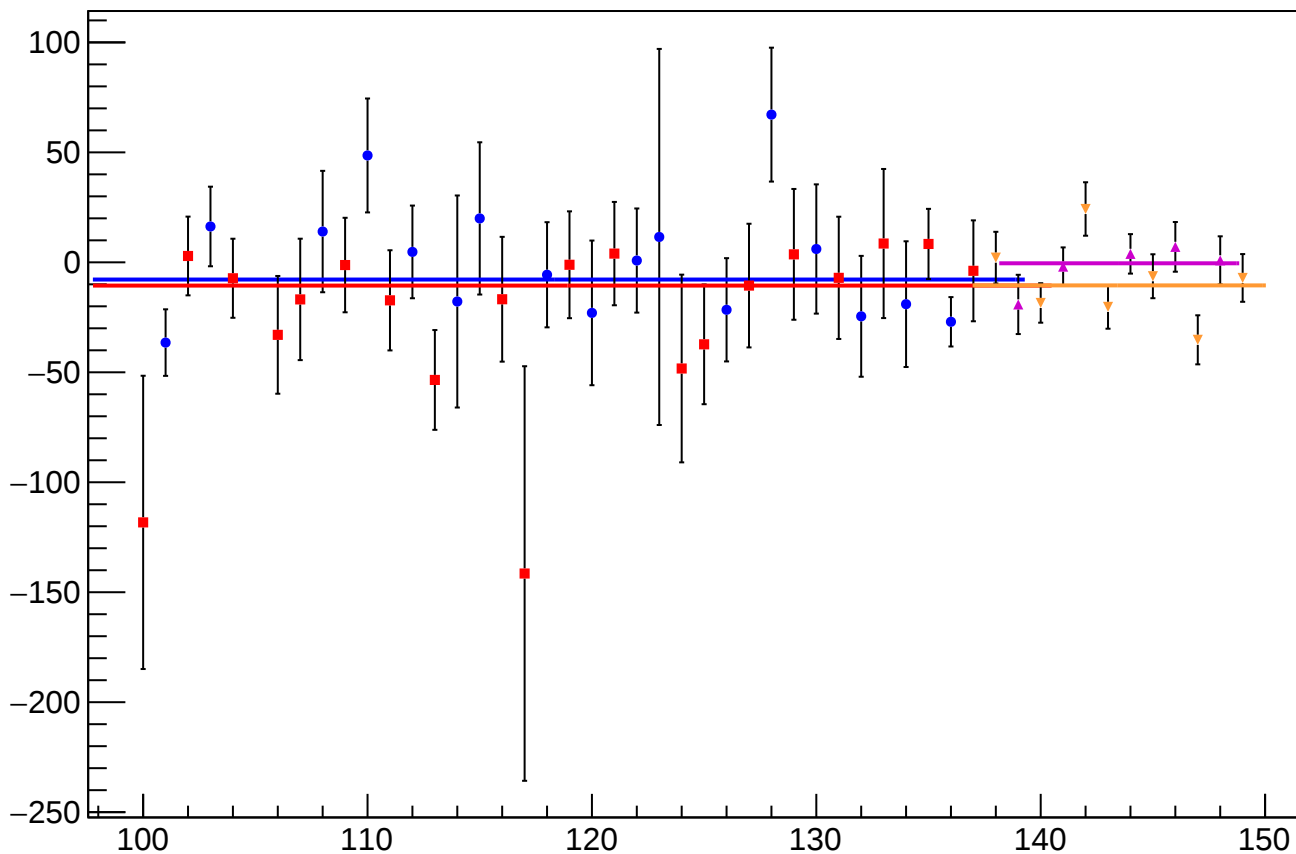
6556.742+/-1.387 χ^2/NDF : 879170.6/23

Right Out: 6867.094+/-1.866 χ^2/NDF : 701892.5/19

6685.823+/-1.447 χ^2/NDF : 863530.5/24

Left In: 6413.129+/-2.289 χ^2/NDF :138016.2/4

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -10.490 ± 3.980 χ^2/NDF : 16.3/6

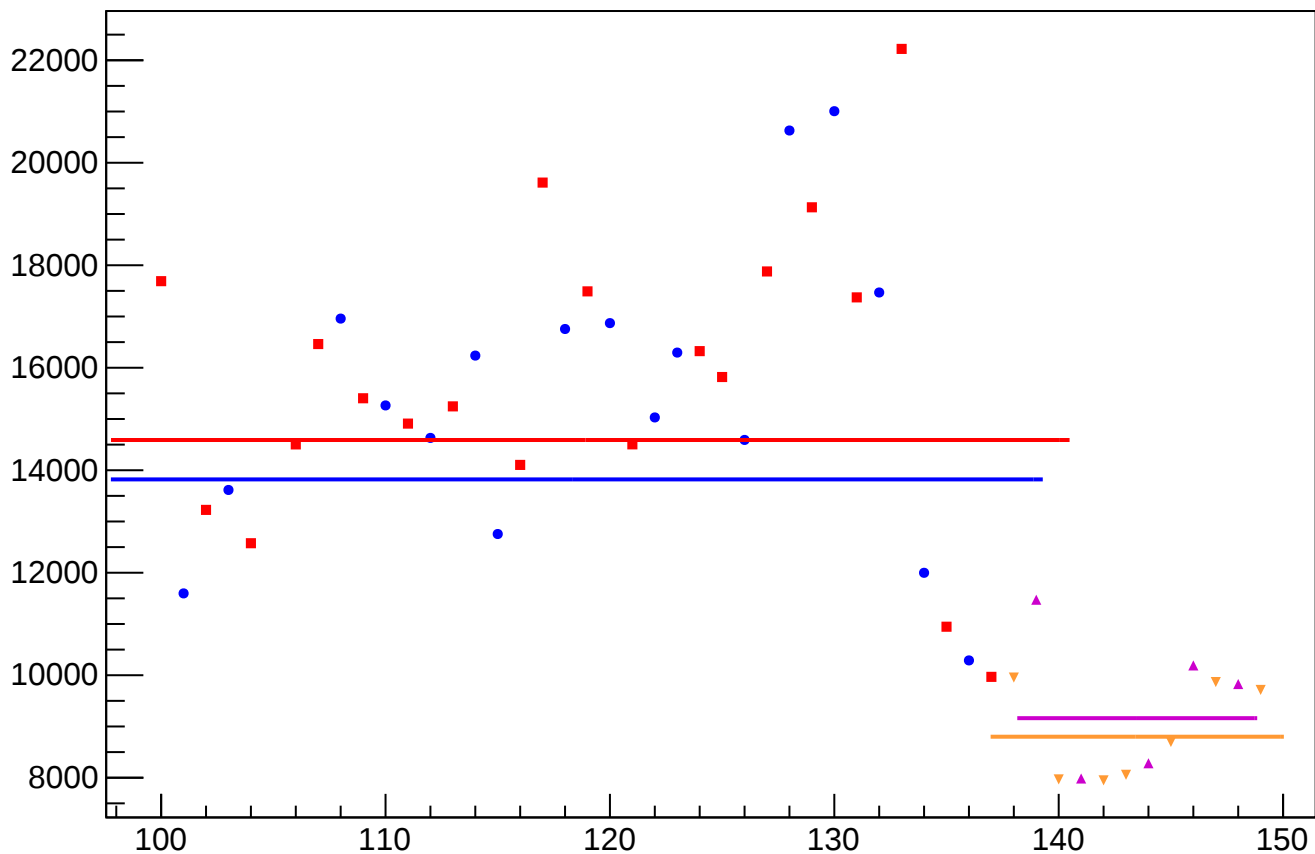
Right Out: -10.574 ± 5.561 χ^2/NDF : 14.1/19

Left In: -0.437 ± 4.601 χ^2/NDF : 2.6/4

-9.577 ± 3.227 χ^2/NDF : 38.7/23

-4.556 ± 3.545 χ^2/NDF : 18.7/24

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8800.380+/-2.814 χ^2/NDF : 90226.2/6

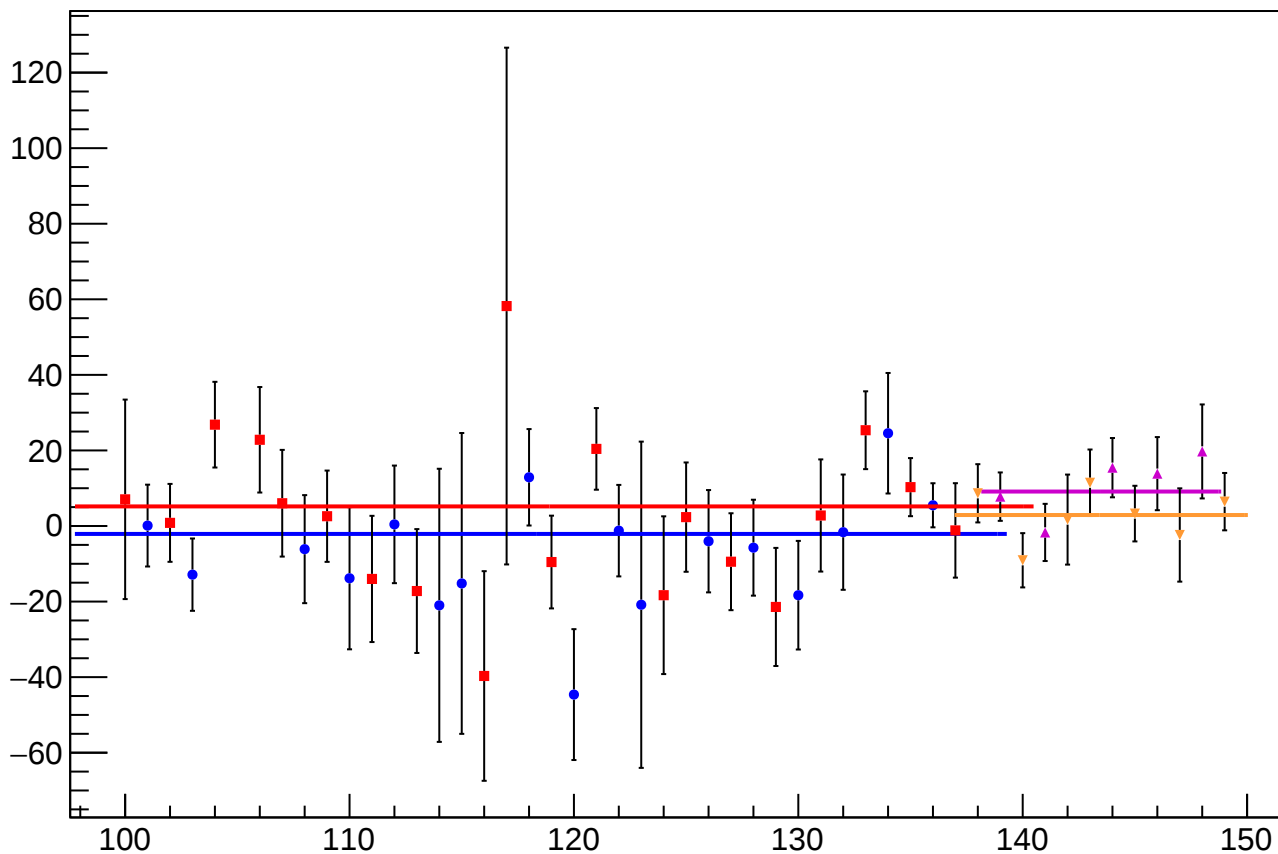
Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

Left In: 9162.133+/-3.253 χ^2/NDF : 138469.0/4

10519.309+/-2.282 χ^2/NDF : 1782721.9/23

11367.450+/-2.507 χ^2/NDF : 1747681.2/24

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 2.905 ± 3.185 $\chi^2/\text{NDF}: 4.7/6$

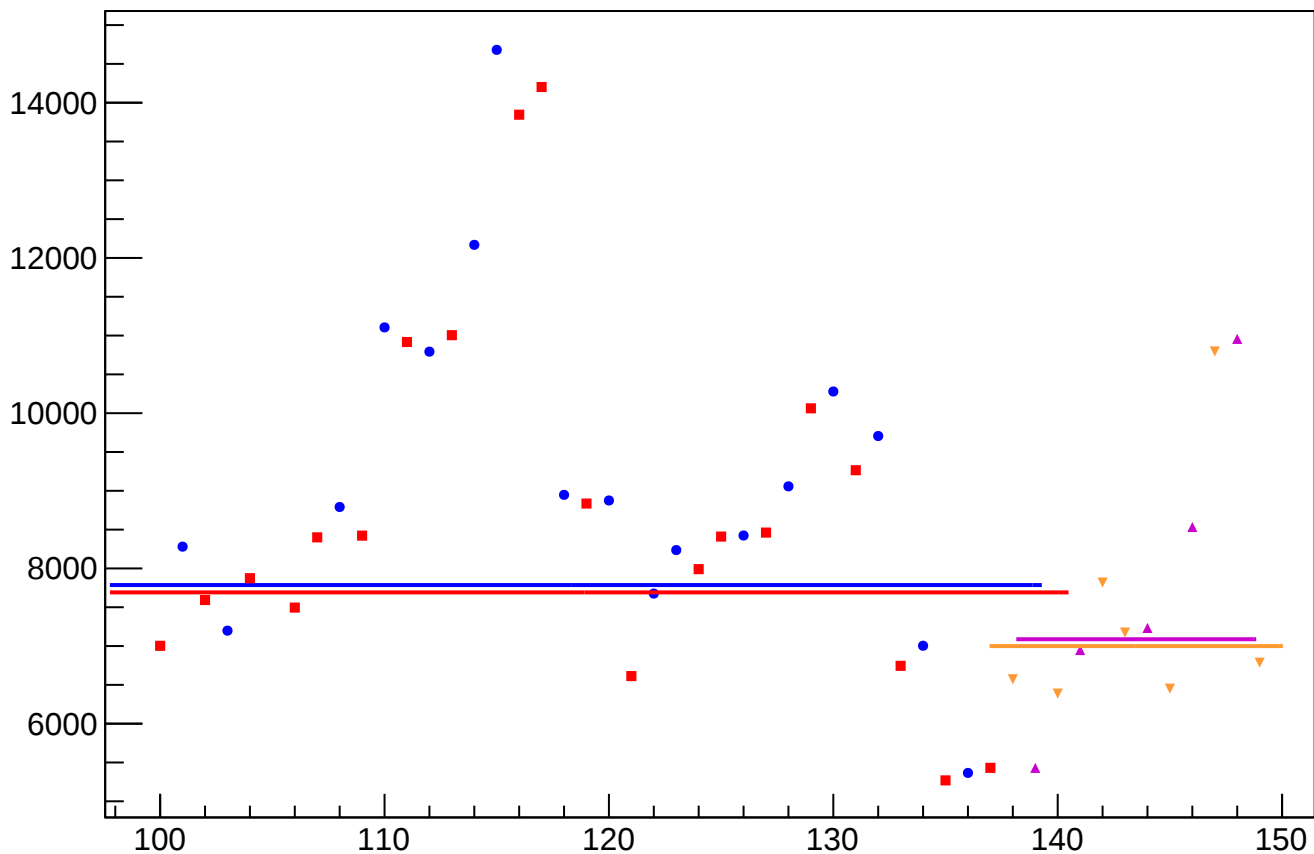
Right Out: 5.184 ± 2.959 $\chi^2/\text{NDF}: 25.4/19$

Left In: 9.119 ± 3.646 $\chi^2/\text{NDF}: 3.7/4$

0.341 ± 2.224 $\chi^2/\text{NDF}: 21.6/23$

6.747 ± 2.298 $\chi^2/\text{NDF}: 29.8/24$

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 6999.655+/-2.252 χ^2/NDF : 232646.0/6

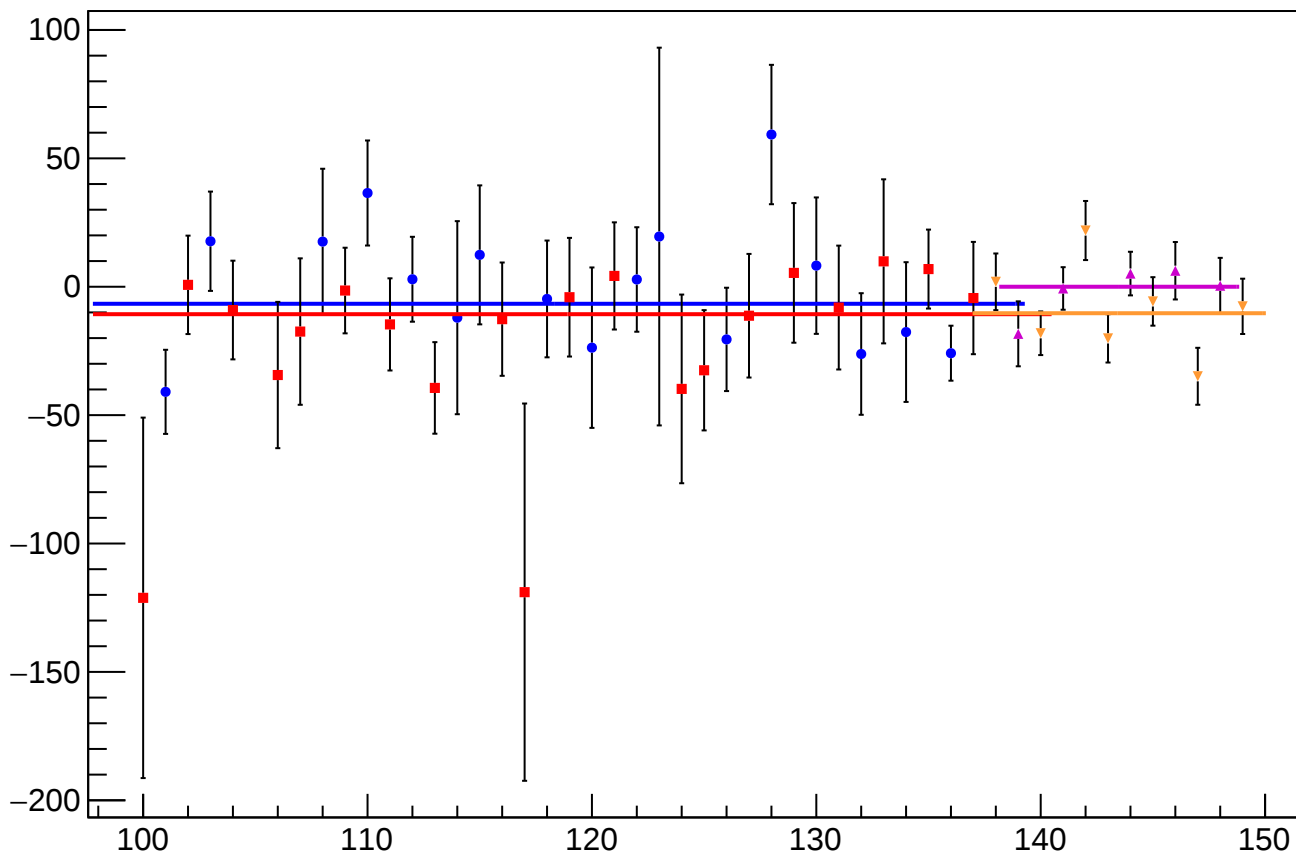
Right Out: 7691.398+/-2.093 χ^2/NDF : 686898.9/19

Left In: 7087.785+/-2.578 χ^2/NDF : 373465.4/4

7402.659+/-1.573 χ^2/NDF : 1033204.2/23

7451.663+/-1.625 χ^2/NDF : 1093409.3/24

diff_bpm4ecX_mean vs Slug



Right In: -6.634+/-5.101 χ^2/NDF : 23.4/16

Left Out: -10.311+/-3.809 χ^2/NDF : 16.2/6

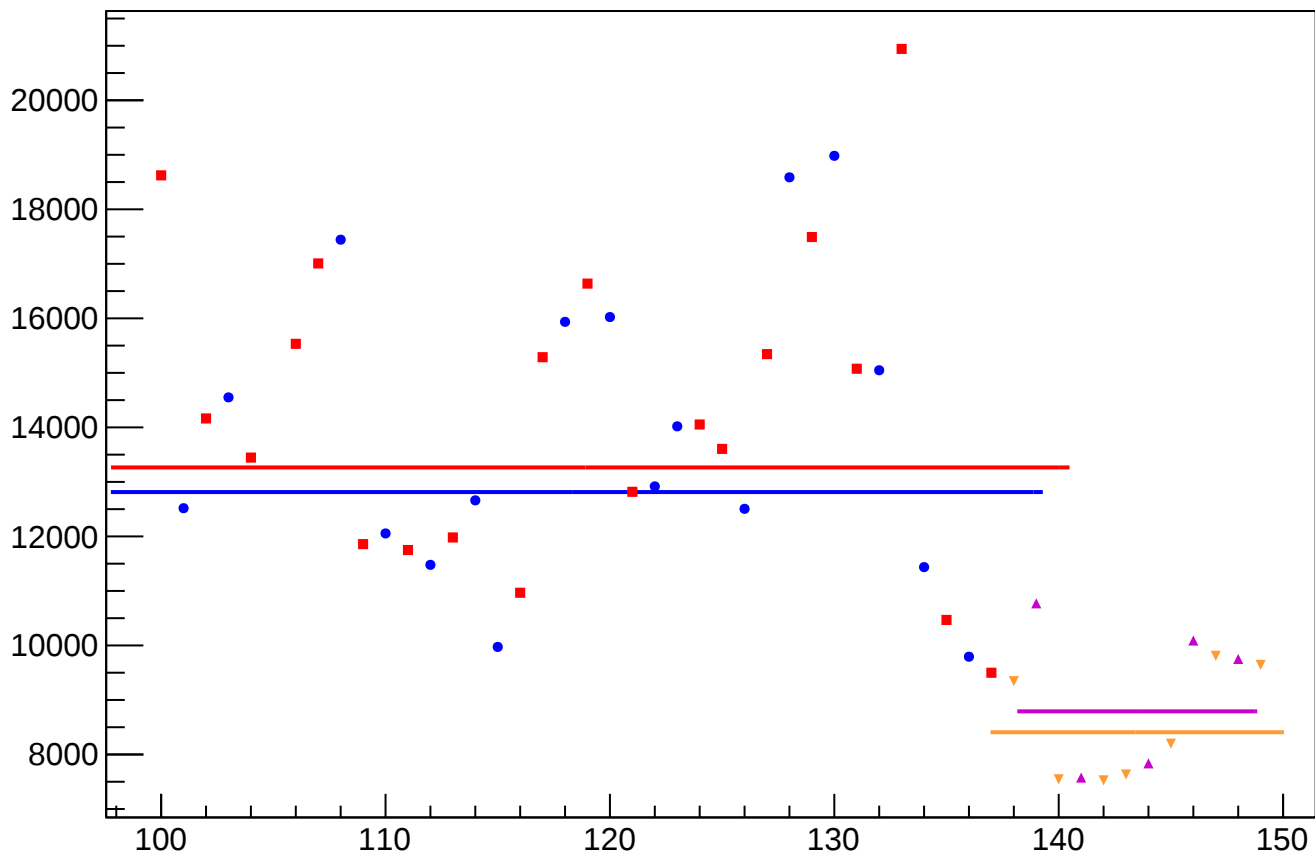
Right Out: -10.688+/-5.063 χ^2/NDF : 13.0/19

Left In: 0.001+/-4.420 χ^2/NDF : 2.8/4

-8.995+/-3.052 χ^2/NDF : 39.9/23

-4.623+/-3.330 χ^2/NDF : 18.3/24

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8408.315+/-2.694 χ^2/NDF :119689.1/6

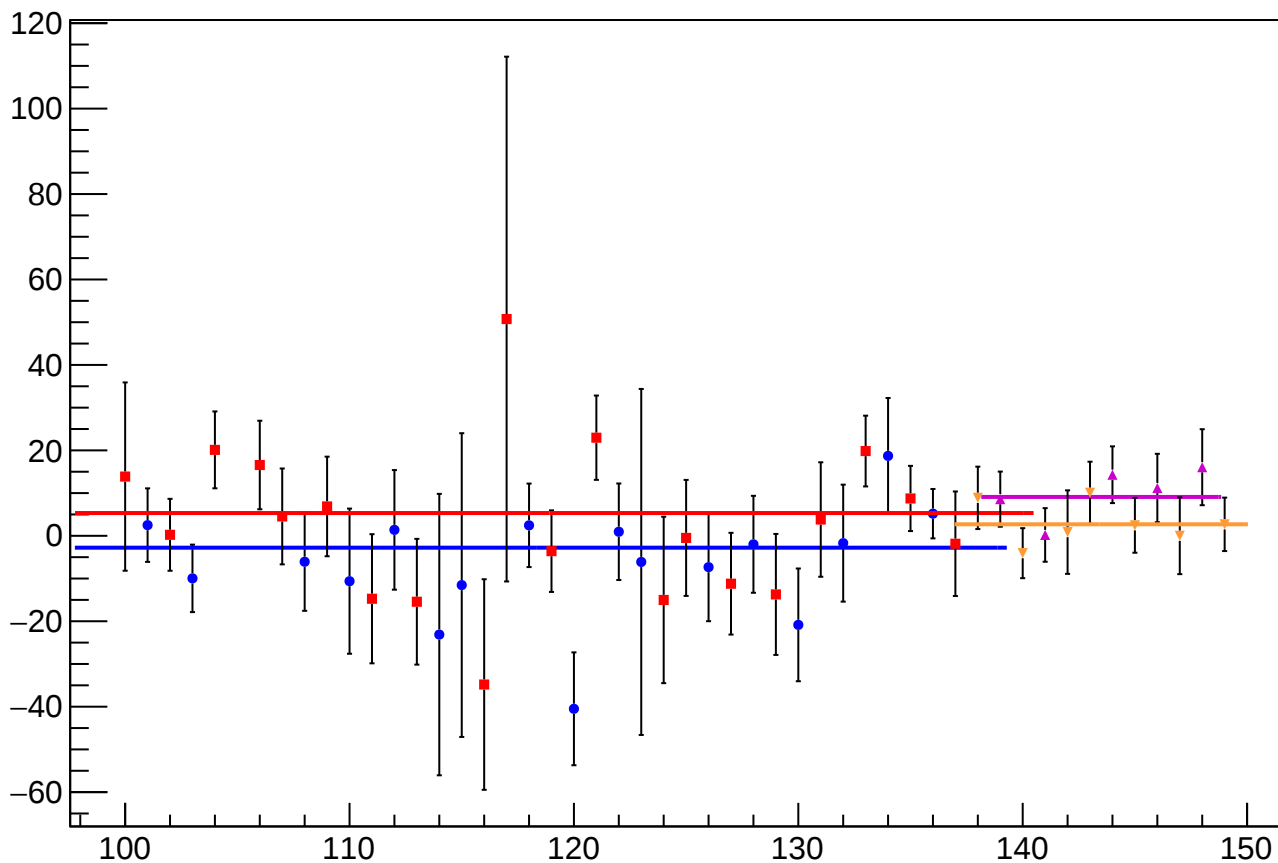
Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

Left In: 8791.366+/-3.126 χ^2/NDF :160019.1/4

9985.490+/-2.158 χ^2/NDF : 1625374.9/23

10726.642+/-2.355 χ^2/NDF : 1532016.4/24

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 2.697 ± 2.676 $\chi^2/\text{NDF}: 3.2/6$

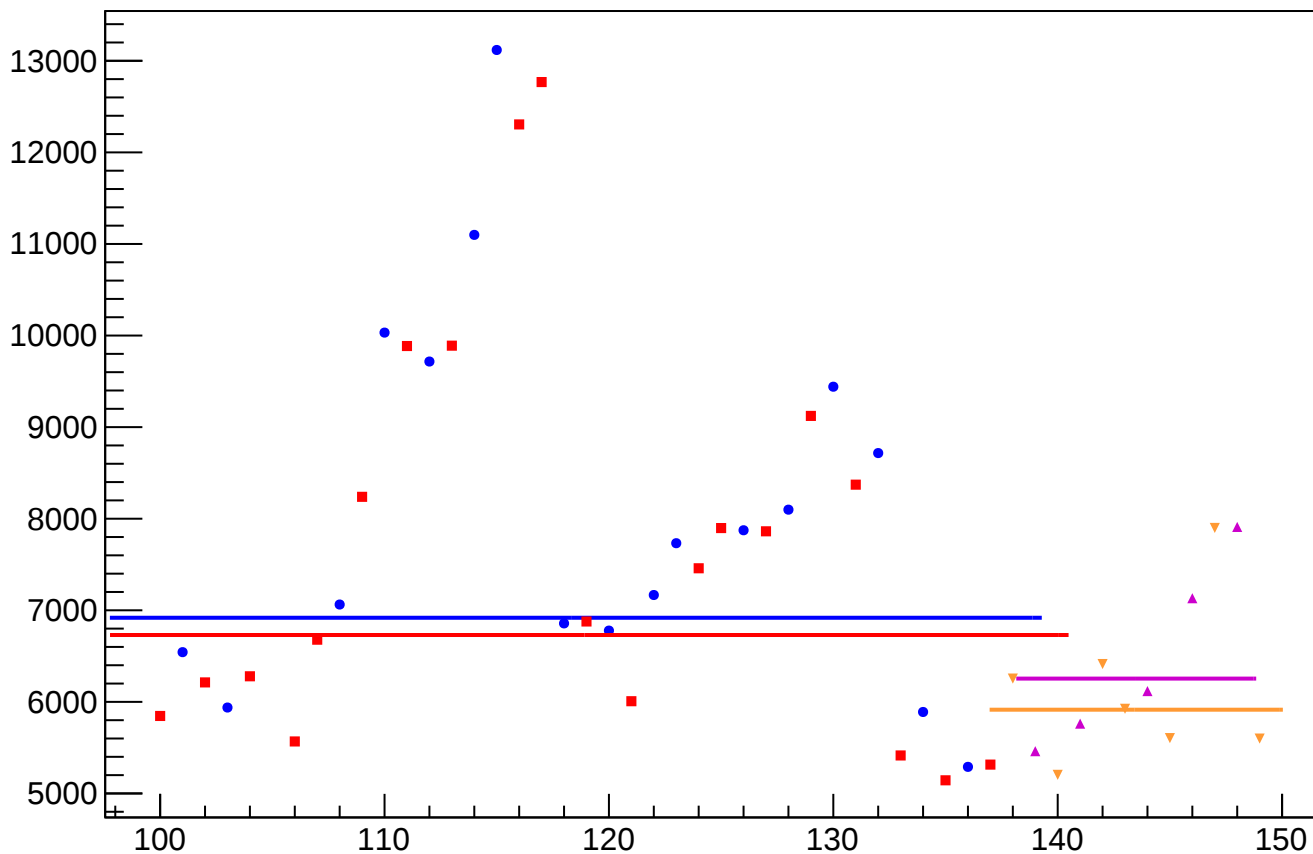
Right Out: 5.332 ± 2.587 $\chi^2/\text{NDF}: 24.1/19$

Left In: 9.099 ± 3.157 $\chi^2/\text{NDF}: 3.3/4$

0.031 ± 1.917 $\chi^2/\text{NDF}: 22.3/23$

6.846 ± 2.001 $\chi^2/\text{NDF}: 28.2/24$

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 5914.553+/-1.892 χ^2/NDF : 146453.8/6

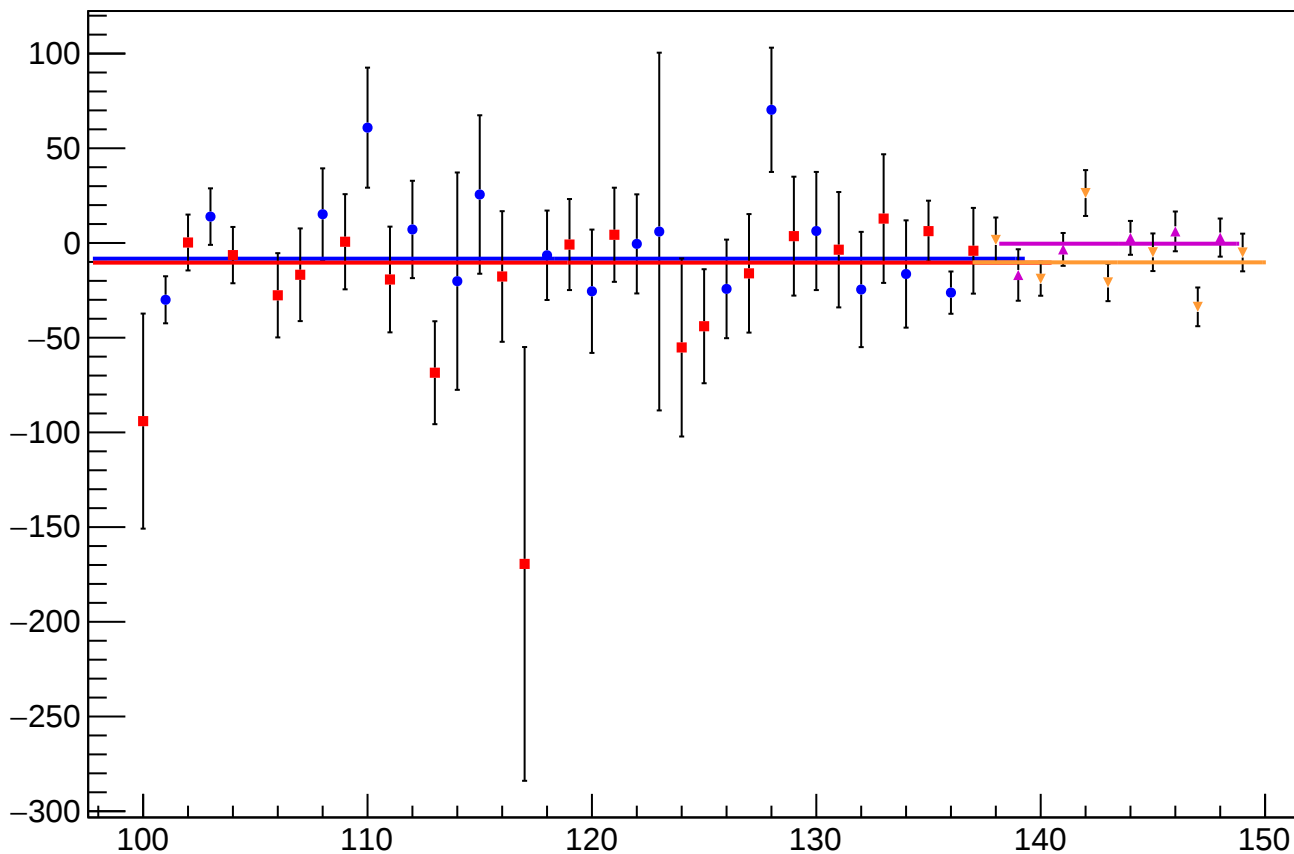
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 6254.196+/-2.232 χ^2/NDF : 136676.6/4

6403.450+/-1.356 χ^2/NDF : 871487.0/23

6538.908+/-1.415 χ^2/NDF : 837061.3/24

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -10.229 ± 3.878 $\chi^2/\text{NDF}: 18.1/6$

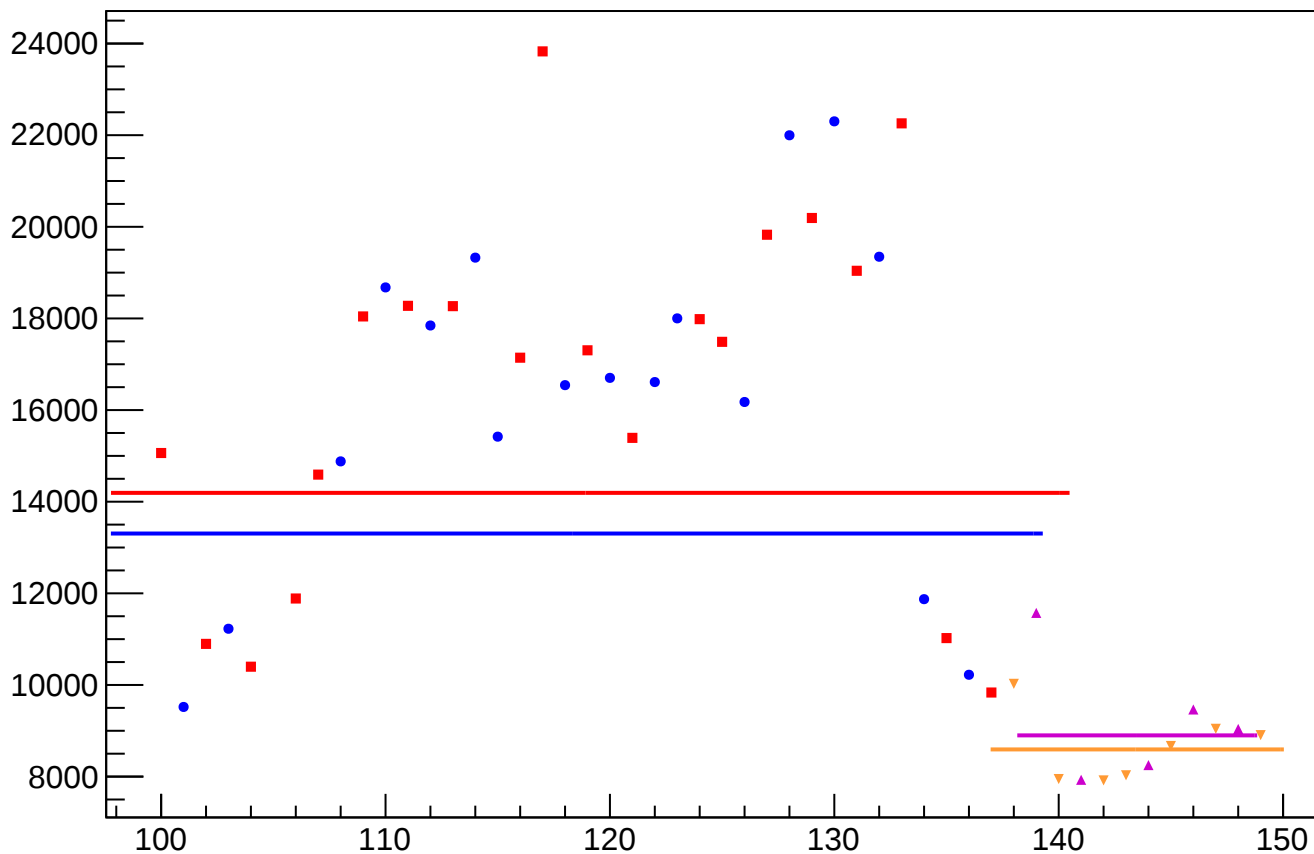
Right Out: -10.376 ± 5.507 $\chi^2/\text{NDF}: 14.8/19$

Left In: -0.381 ± 4.464 $\chi^2/\text{NDF}: 2.2/4$

-9.570 ± 3.152 $\chi^2/\text{NDF}: 39.9/23$

-4.345 ± 3.468 $\chi^2/\text{NDF}: 19.0/24$

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8593.077+/-2.742 χ^2/NDF : 58426.4/6

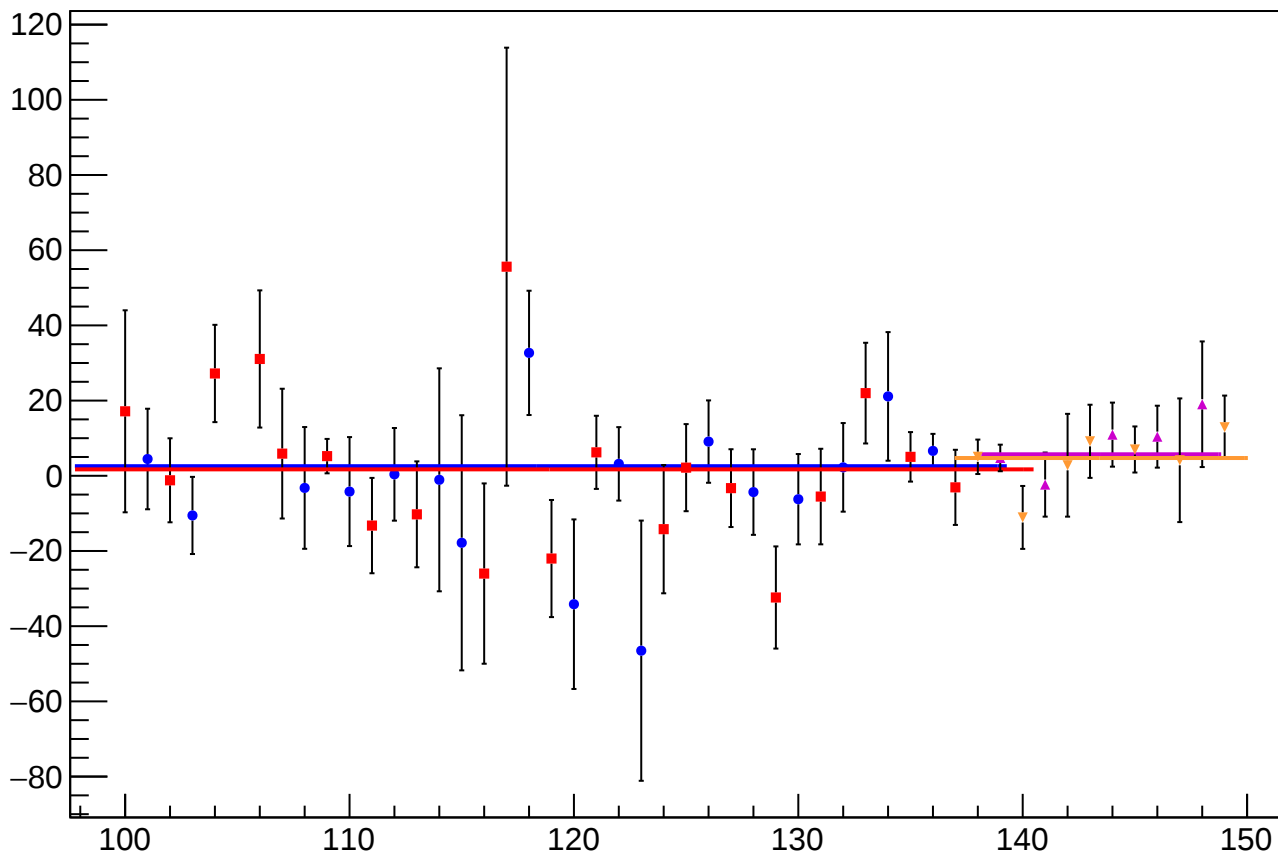
Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

Left In: 8899.673+/-3.157 χ^2/NDF : 119118.5/4

10192.717+/-2.229 χ^2/NDF : 2104789.8/23

10998.932+/-2.452 χ^2/NDF : 2179042.2/24

diff_bpm1Y_mean vs Slug



Right In: 2.551 $\pm$ 2.757 χ^2 /NDF: 13.6/16

Left Out: 4.725 $\pm$ 2.860 χ^2 /NDF: 4.9/6

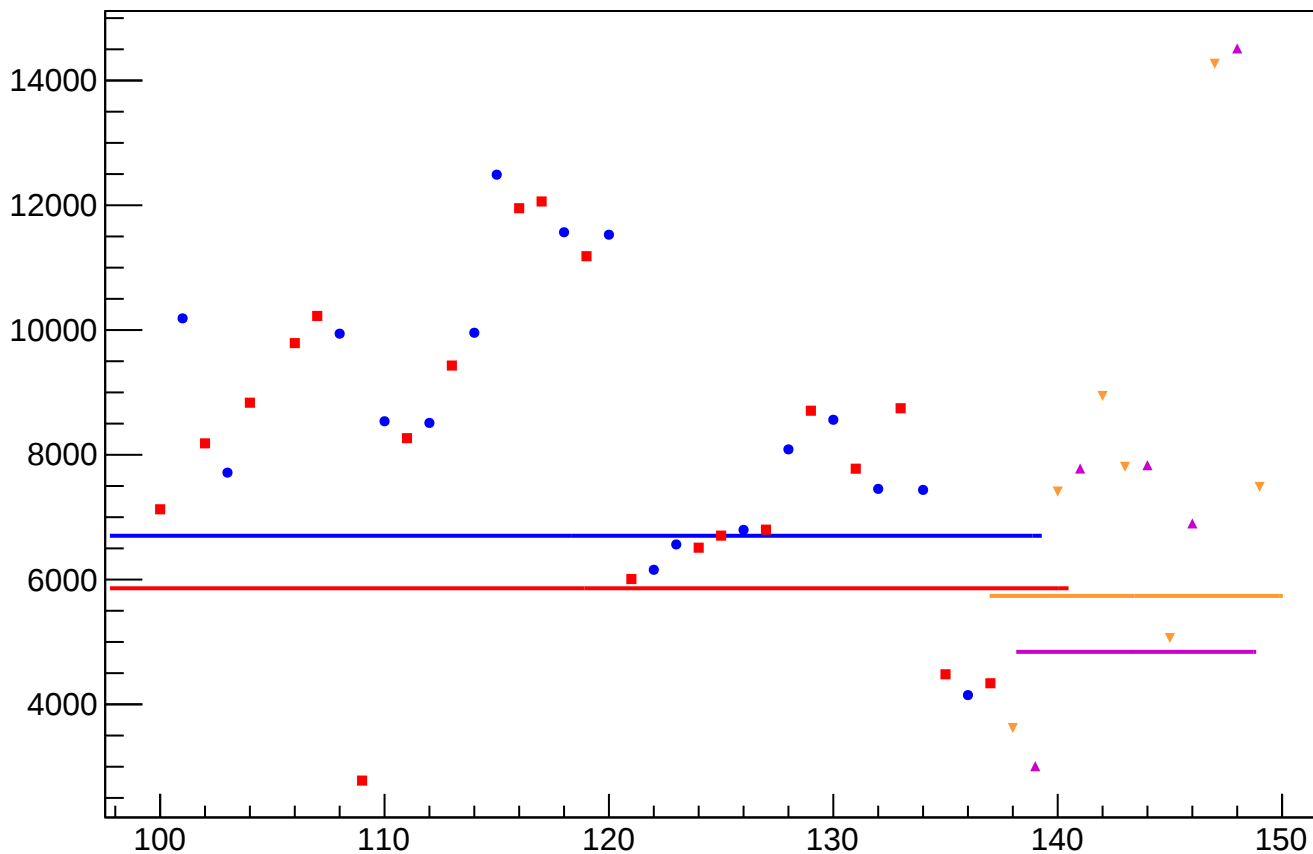
Right Out: 1.708 $\pm$ 2.440 χ^2 /NDF: 24.9/19

Left In: 5.717 $\pm$ 2.818 χ^2 /NDF: 2.3/4

3.598 $\pm$ 1.985 χ^2 /NDF: 18.8/23

3.426 $\pm$ 1.845 χ^2 /NDF: 28.3/24

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5737.924+/-2.022 χ^2/NDF :1356379.4/6

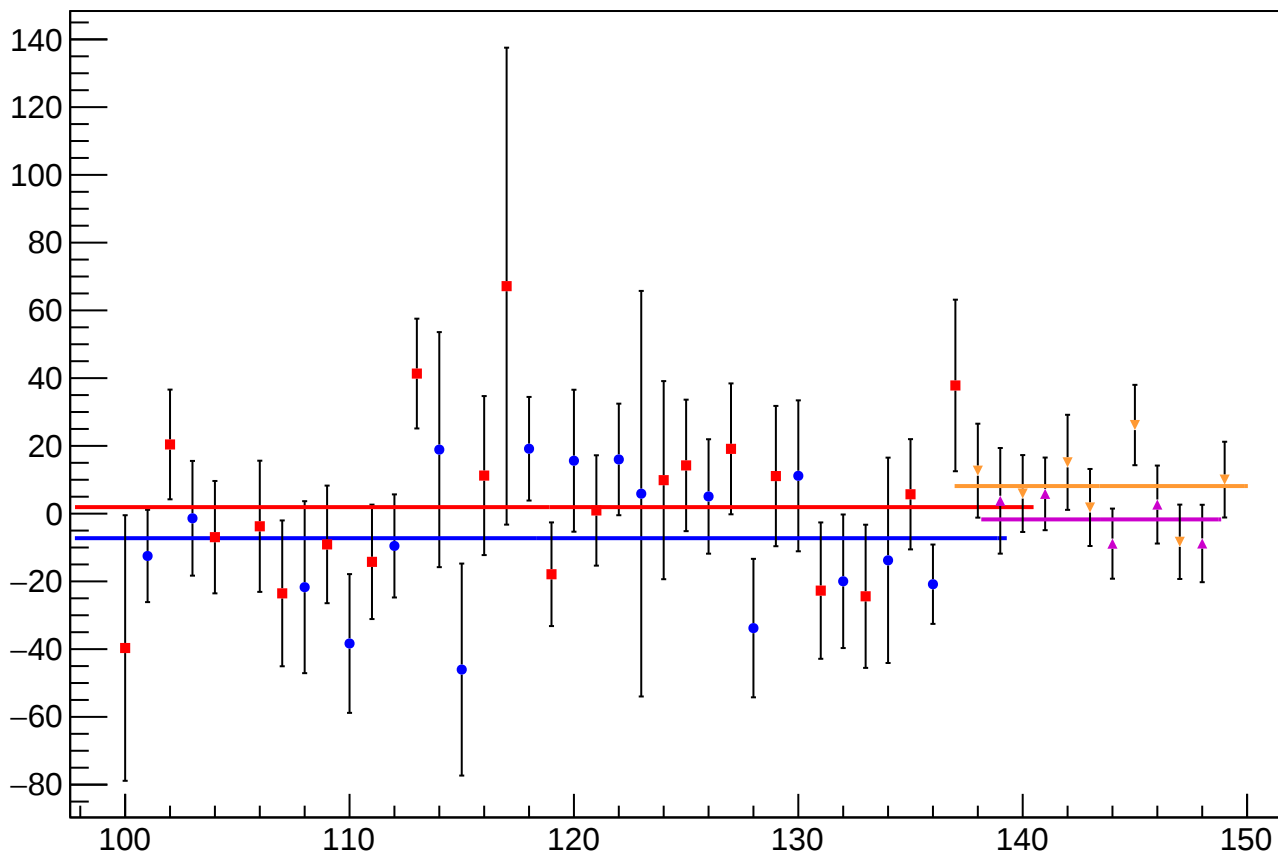
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 4841.449+/-1.993 χ^2/NDF :1817376.5/4

6237.780+/-1.403 χ^2/NDF : 2864204.3/23

5423.828+/-1.304 χ^2/NDF : 4268008.5/24

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 8.139 ± 4.509 χ^2/NDF : 5.3/6

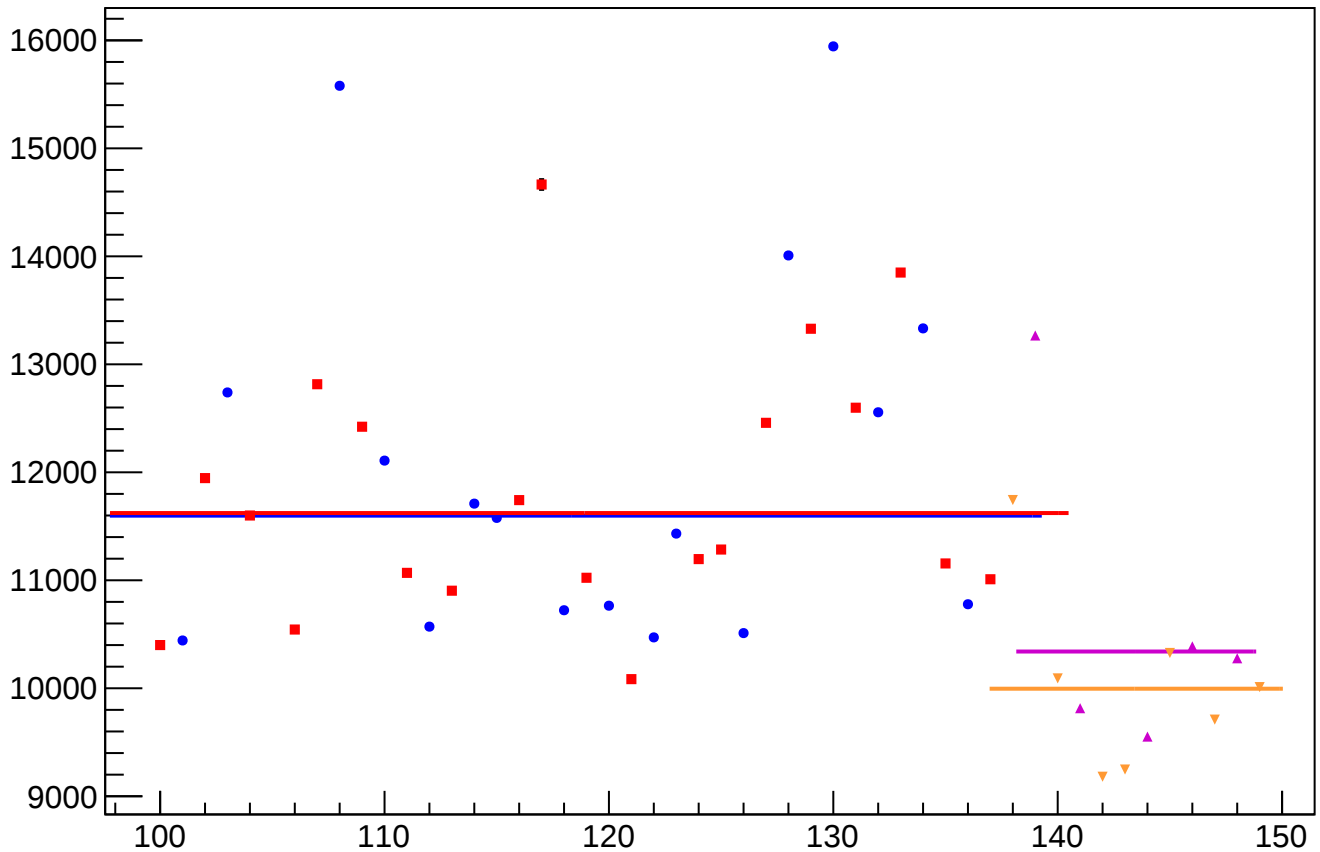
Right Out: 1.922 ± 4.365 χ^2/NDF : 20.7/19

Left In: -1.703 ± 5.174 χ^2/NDF : 1.6/4

0.511 ± 3.202 χ^2/NDF : 27.0/23

0.415 ± 3.336 χ^2/NDF : 22.6/24

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 χ^2/NDF : 235423.8/16

Left Out: 9995.956 ± 3.188 χ^2/NDF : 50241.7/6

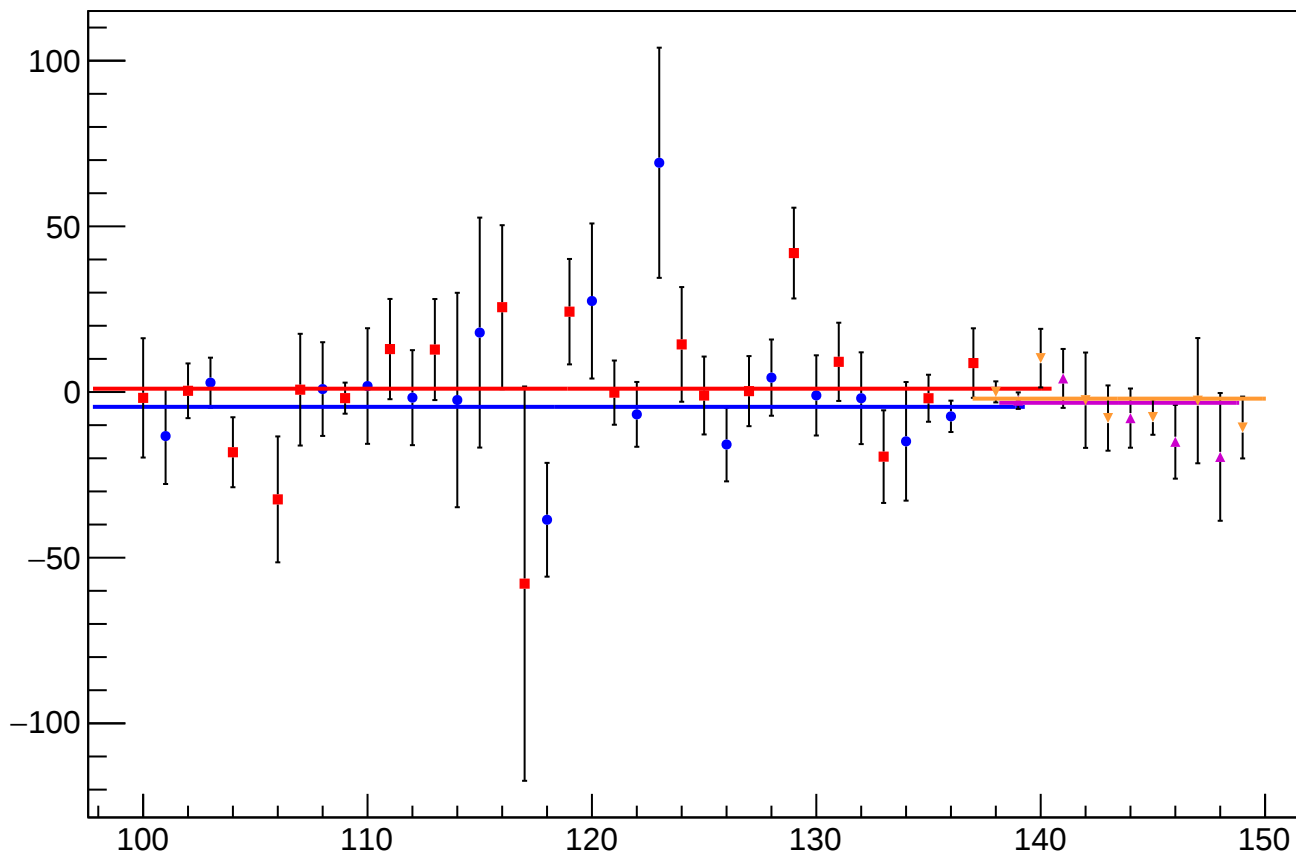
Right Out: 11622.681 ± 3.086 χ^2/NDF : 98197.0/19

Left In: 10340.337 ± 3.659 χ^2/NDF : 86927.0/4

10790.667 ± 2.264 χ^2/NDF : 410959.0/23

11089.548 ± 2.359 χ^2/NDF : 256900.2/24

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 $\chi^2/\text{NDF}: 14.8/16$

Left Out: -1.997 ± 2.383 $\chi^2/\text{NDF}: 4.6/6$

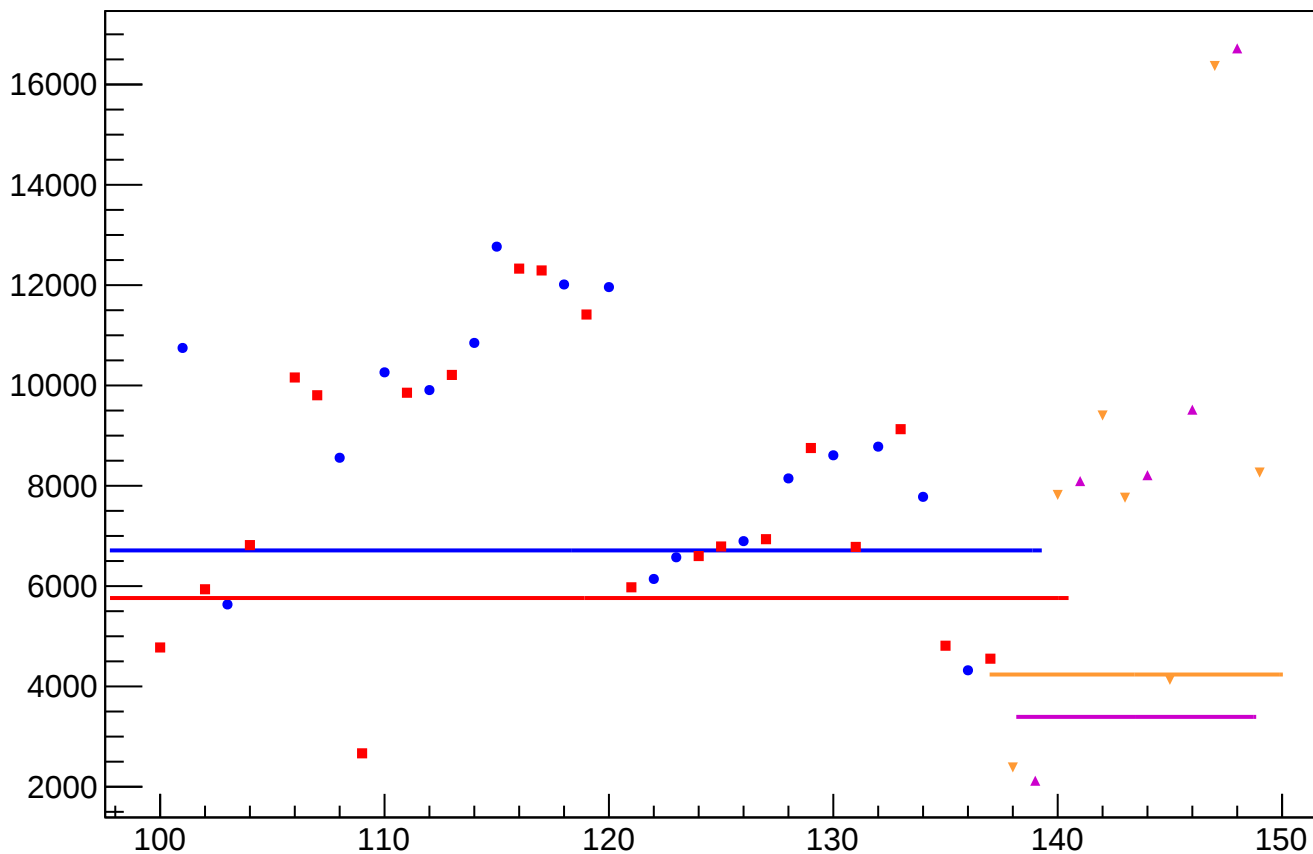
Right Out: 1.007 ± 2.427 $\chi^2/\text{NDF}: 25.0/19$

Left In: -3.251 ± 2.253 $\chi^2/\text{NDF}: 2.9/4$

-3.046 ± 1.810 $\chi^2/\text{NDF}: 19.9/23$

-1.280 ± 1.651 $\chi^2/\text{NDF}: 29.5/24$

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 4237.746+/-1.685 χ^2/NDF : 2718637.1/6

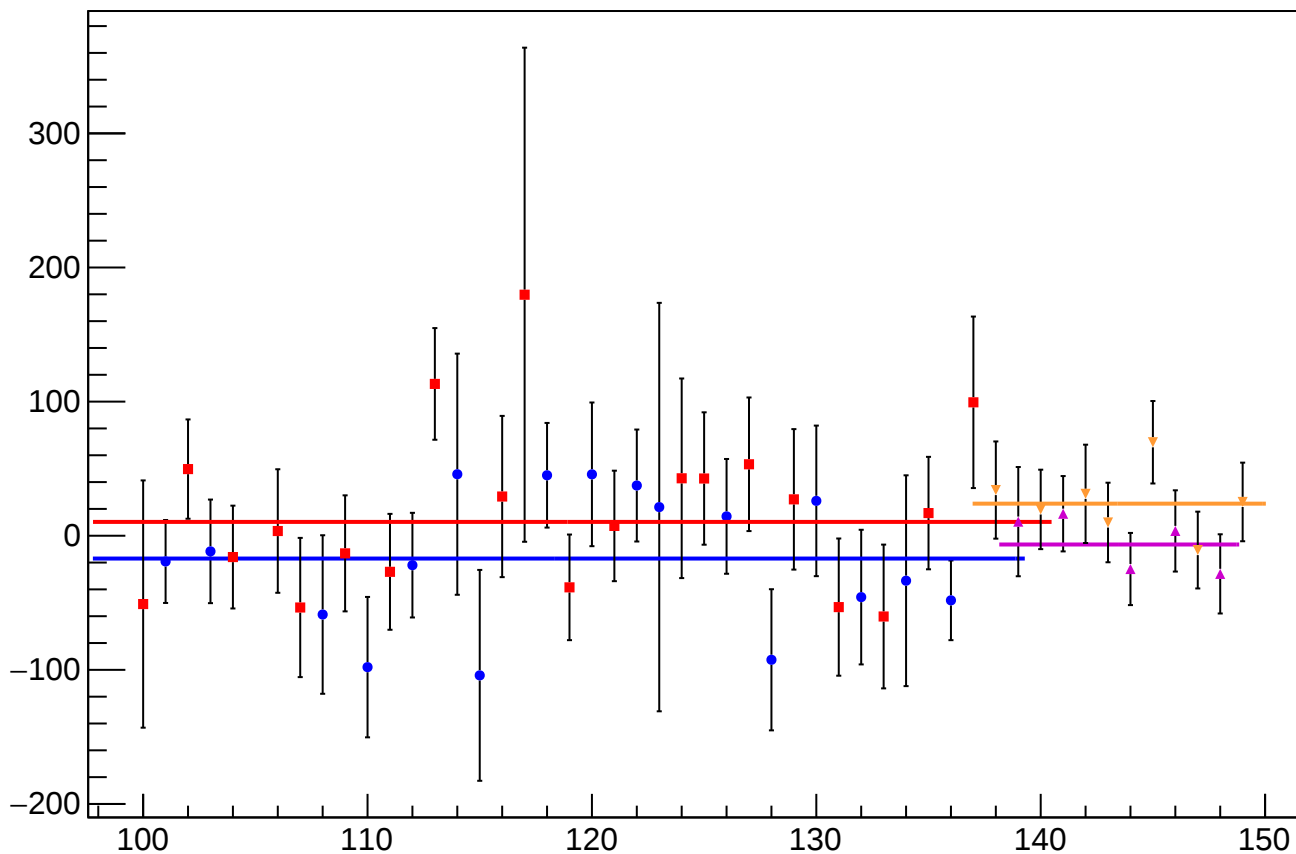
Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

Left In: 3393.205+/-1.593 χ^2/NDF : 3223643.6/4

5284.682+/-1.280 χ^2/NDF : 5077957.8/23

4489.603+/-1.167 χ^2/NDF : 6436797.1/24

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 $\chi^2/\text{NDF}: 15.0/16$

Left Out: 23.923 ± 11.765 $\chi^2/\text{NDF}: 4.0/6$

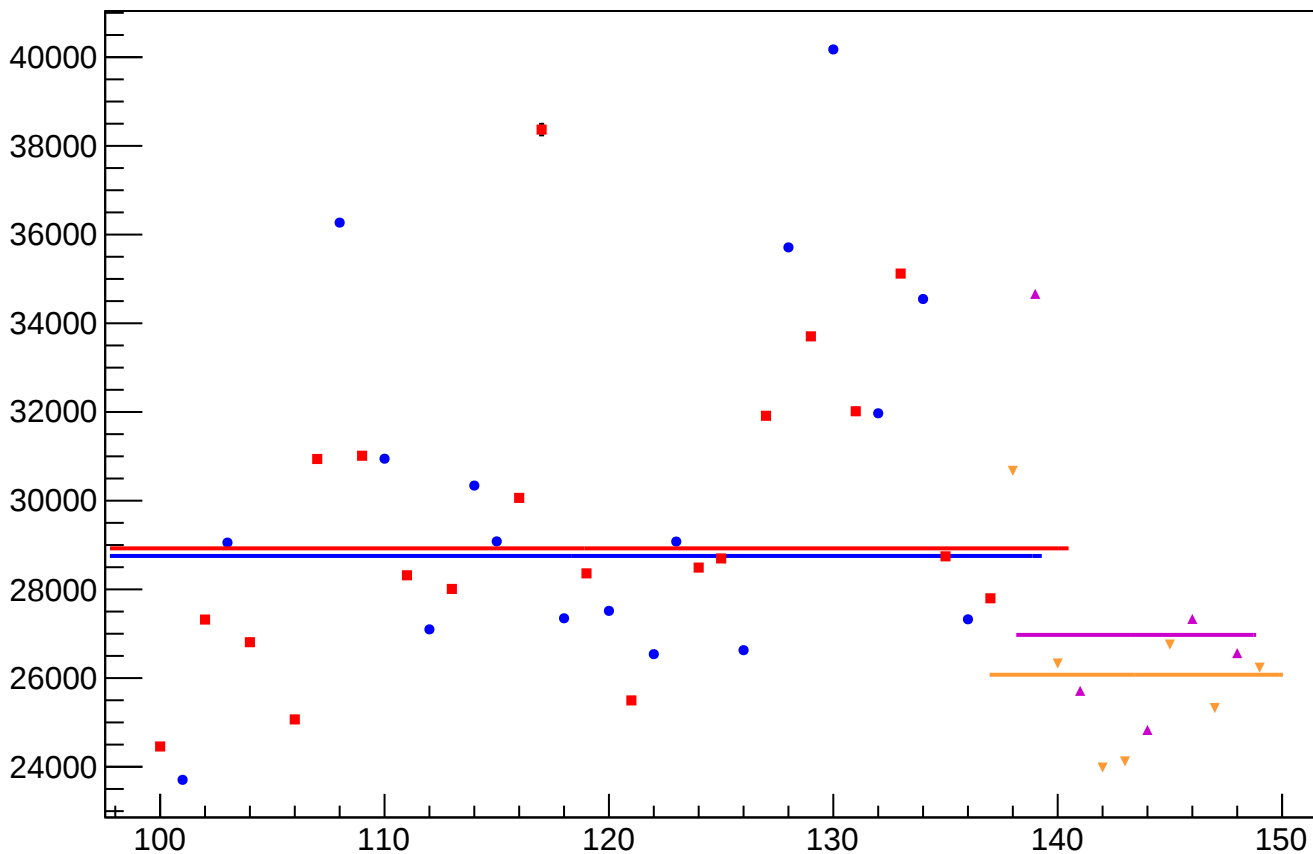
Right Out: 10.311 ± 10.872 $\chi^2/\text{NDF}: 19.9/19$

Left In: -6.534 ± 13.499 $\chi^2/\text{NDF}: 2.0/4$

2.608 ± 8.145 $\chi^2/\text{NDF}: 25.3/23$

3.684 ± 8.467 $\chi^2/\text{NDF}: 22.8/24$

diff_bpm12X_rms vs Slug



Right In: 28753.787 $\pm$ 7.981 χ^2 /NDF: 249215.1/16

Left Out: 26075.190 $\pm$ 8.319 χ^2 /NDF: 49948.4/6

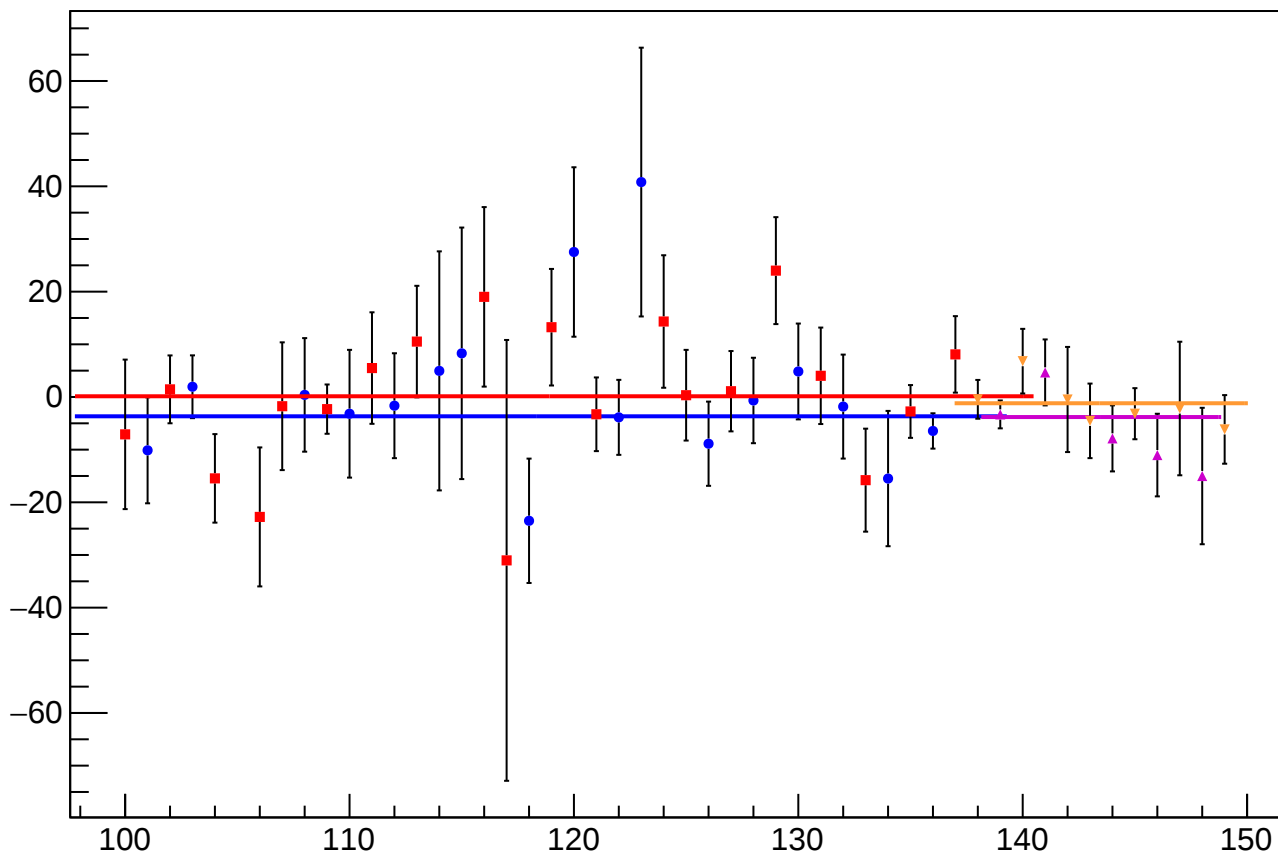
Right Out: 28925.160 $\pm$ 7.687 χ^2 /NDF: 116514.7/19

Left In: 26973.897 $\pm$ 9.545 χ^2 /NDF: 88695.7/4

27470.012 $\pm$ 5.759 χ^2 /NDF: 353147.1/23

28157.473 $\pm$ 5.987 χ^2 /NDF: 230557.9/24

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.191 ± 2.222 χ^2/NDF : 2.7/6

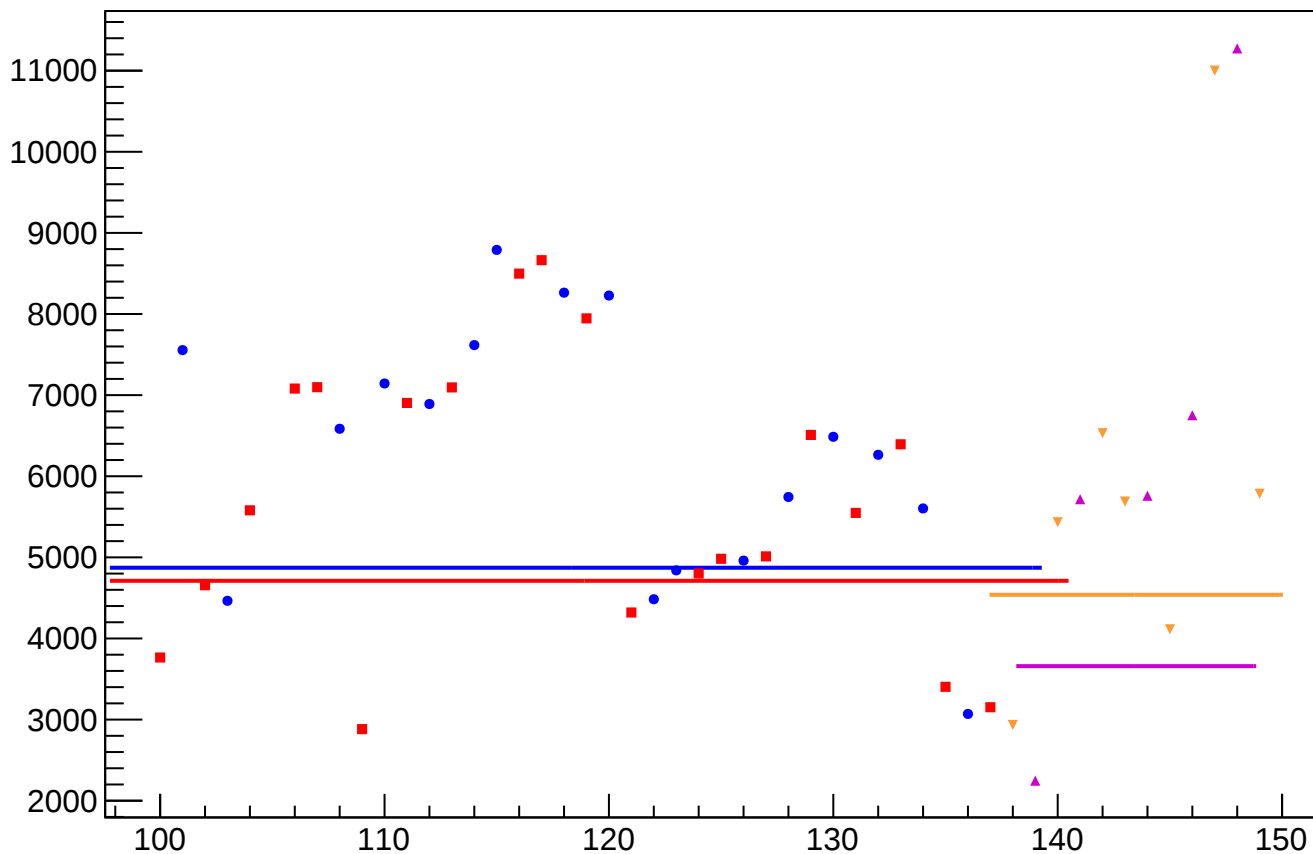
Right Out: 0.135 ± 1.891 χ^2/NDF : 22.9/19

Left In: -3.809 ± 2.152 χ^2/NDF : 3.9/4

-2.553 ± 1.491 χ^2/NDF : 17.9/23

-1.583 ± 1.420 χ^2/NDF : 28.6/24

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4538.478+/-1.571 χ^2/NDF : 1162165.1/6

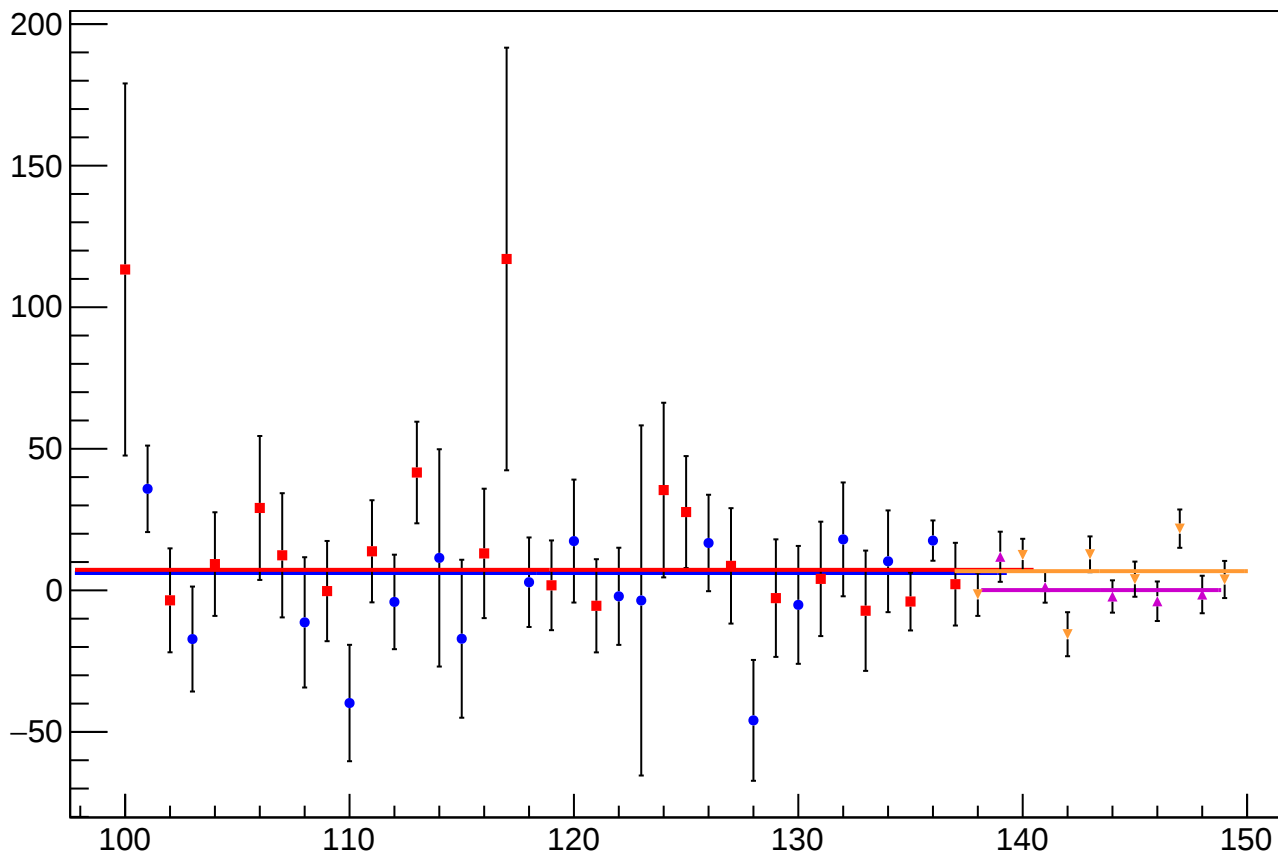
4721.995+/-1.054 χ^2/NDF : 2592215.8/23

Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

4252.720+/-1.004 χ^2/NDF : 3612347.2/24

Left In: 3659.021+/-1.522 χ^2/NDF : 2011973.1/4

diff_bpm16X_mean vs Slug



Right In: 6.133 $\pm$ 4.080 χ^2 /NDF: 22.2/16

Left Out: 6.784 $\pm$ 2.496 χ^2 /NDF: 16.6/6

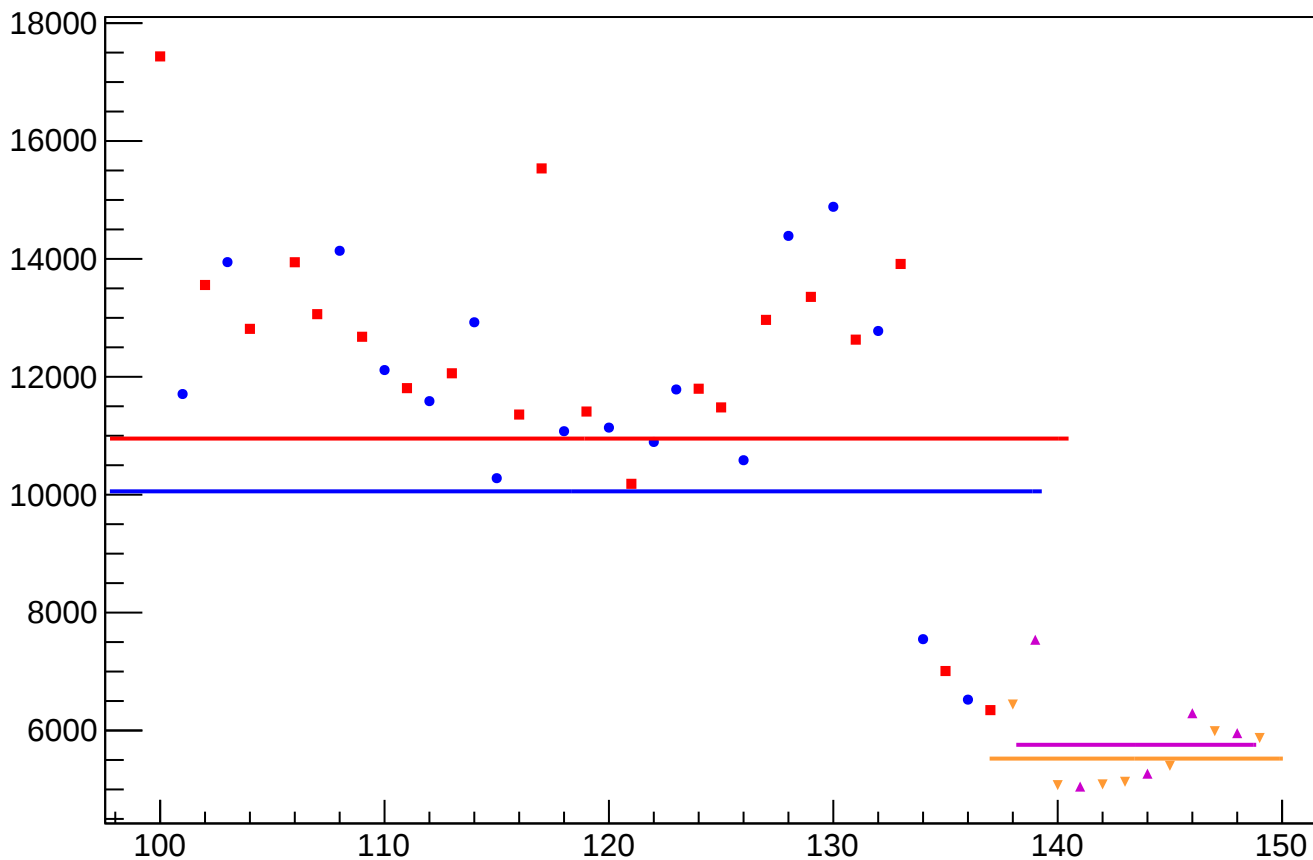
Right Out: 7.243 $\pm$ 4.218 χ^2 /NDF: 14.6/19

Left In: 0.096 $\pm$ 2.892 χ^2 /NDF: 2.3/4

6.607 $\pm$ 2.129 χ^2 /NDF: 38.8/23

2.382 $\pm$ 2.385 χ^2 /NDF: 18.9/24

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5523.367 $\pm$ 1.765 χ^2 /NDF: 71420.3/6

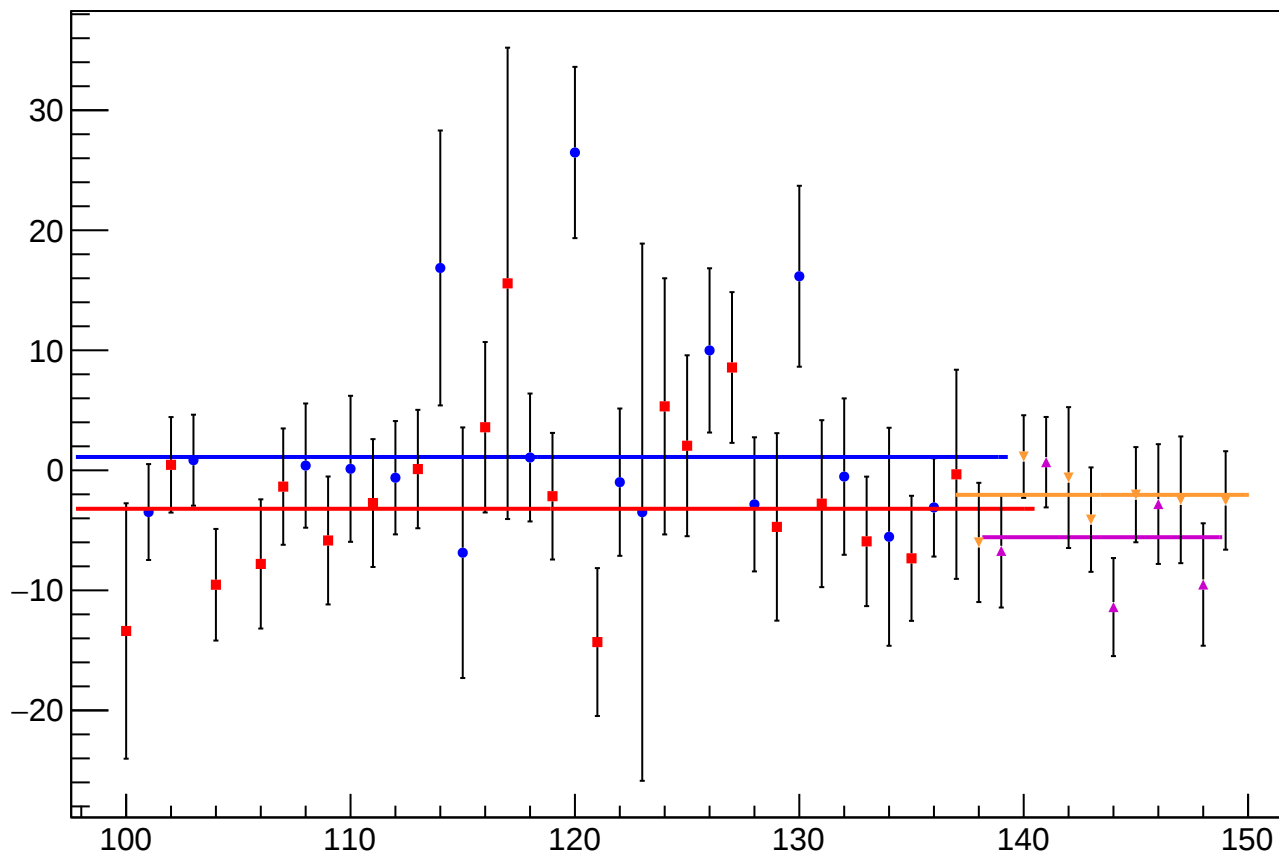
Right Out: 10952.255 $\pm$ 2.982 χ^2 /NDF: 770474.3/19

Left In: 5757.245 $\pm$ 2.045 χ^2 /NDF: 142288.9/4

6758.125 $\pm$ 1.506 χ^2 /NDF: 2871002.2/23

7418.790 $\pm$ 1.687 χ^2 /NDF: 2976600.8/24

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.043 ± 1.653 χ^2/NDF : 1.8/6

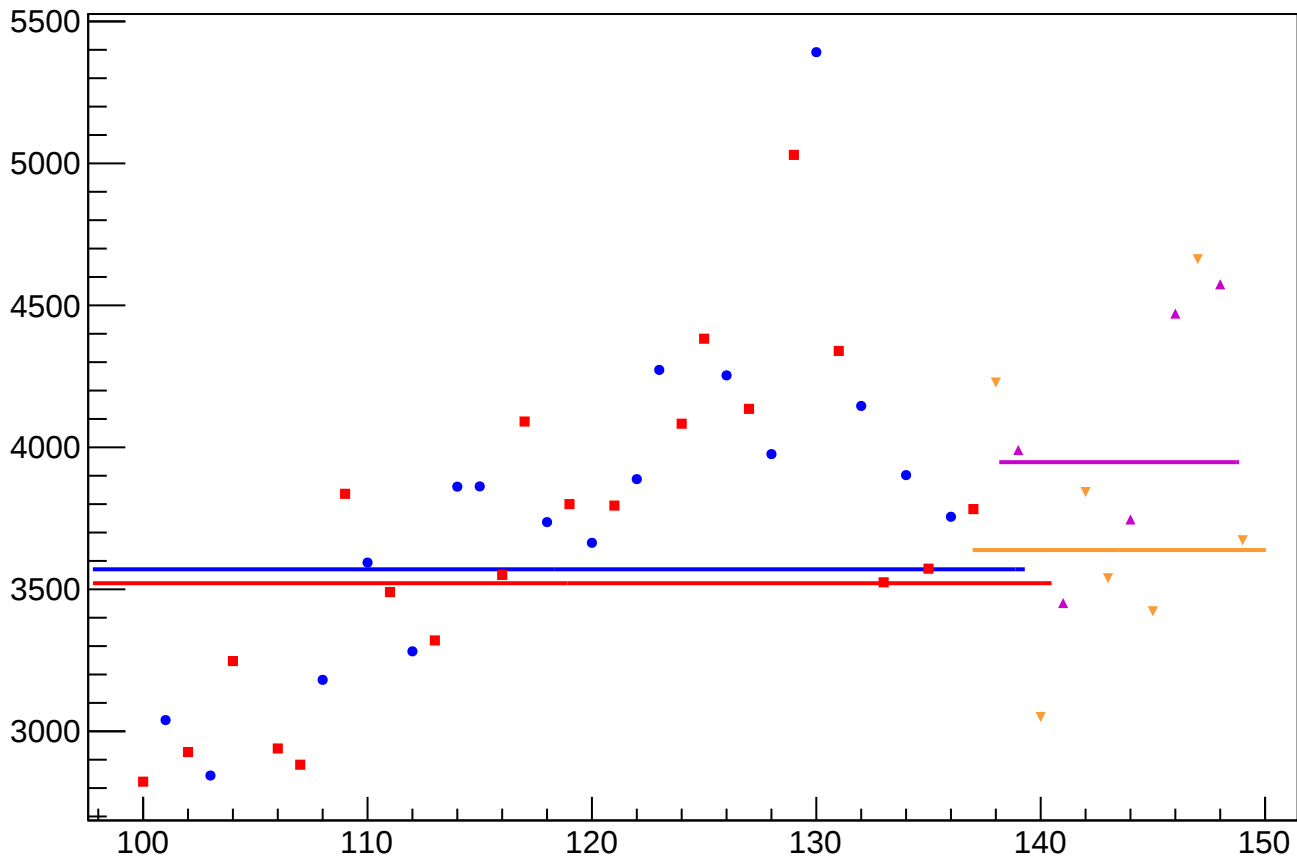
Right Out: -3.204 ± 1.331 χ^2/NDF : 16.0/19

Left In: -5.572 ± 1.985 χ^2/NDF : 5.7/4

-0.209 ± 1.070 χ^2/NDF : 28.5/23

-3.938 ± 1.105 χ^2/NDF : 22.7/24

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 3638.316+/-1.169 χ^2/NDF : 171449.4/6

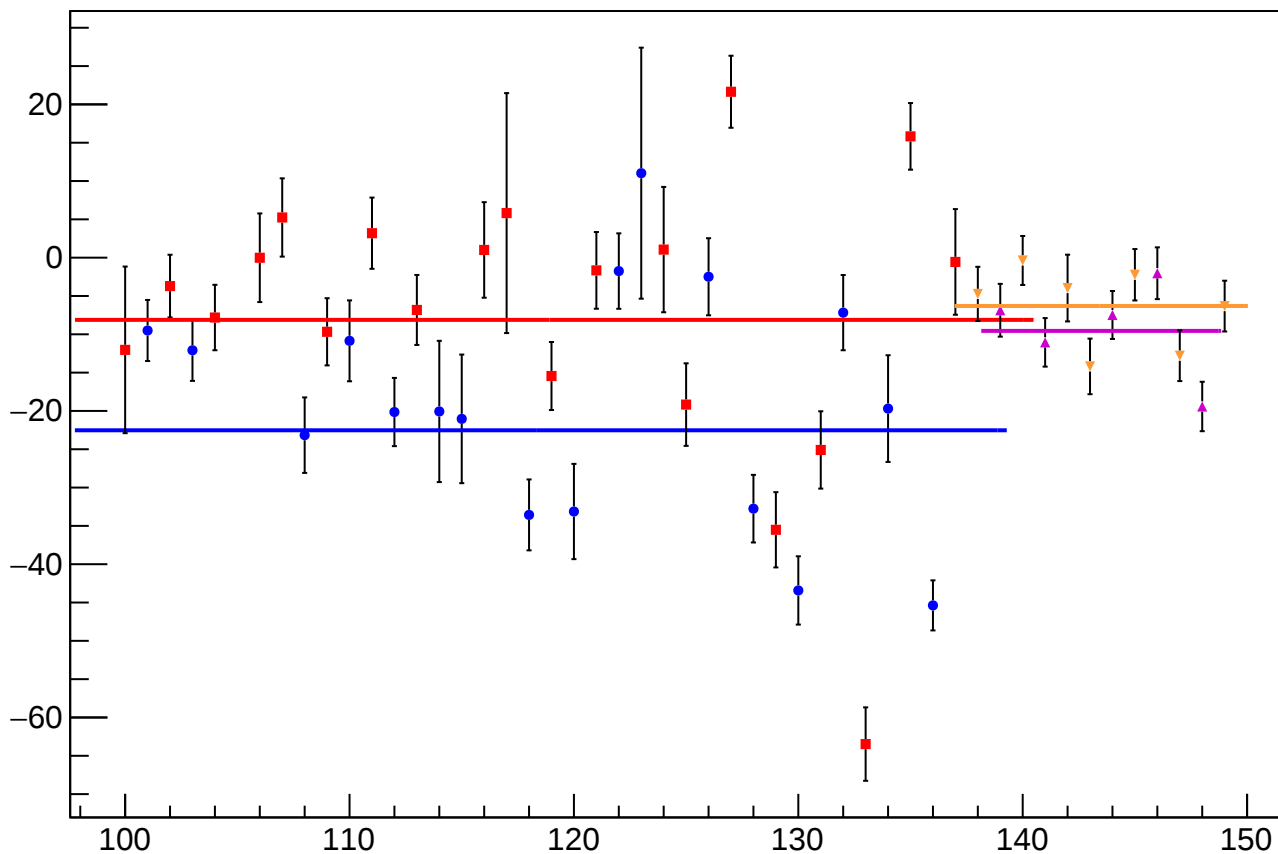
Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

Left In: 3947.760+/-1.403 χ^2/NDF : 91917.2/4

3598.873+/-0.756 χ^2/NDF : 483106.0/23

3653.687+/-0.781 χ^2/NDF : 450646.8/24

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 $\chi^2/\text{NDF}: 155.5/16$

Left Out: -6.302 ± 1.316 $\chi^2/\text{NDF}: 14.0/6$

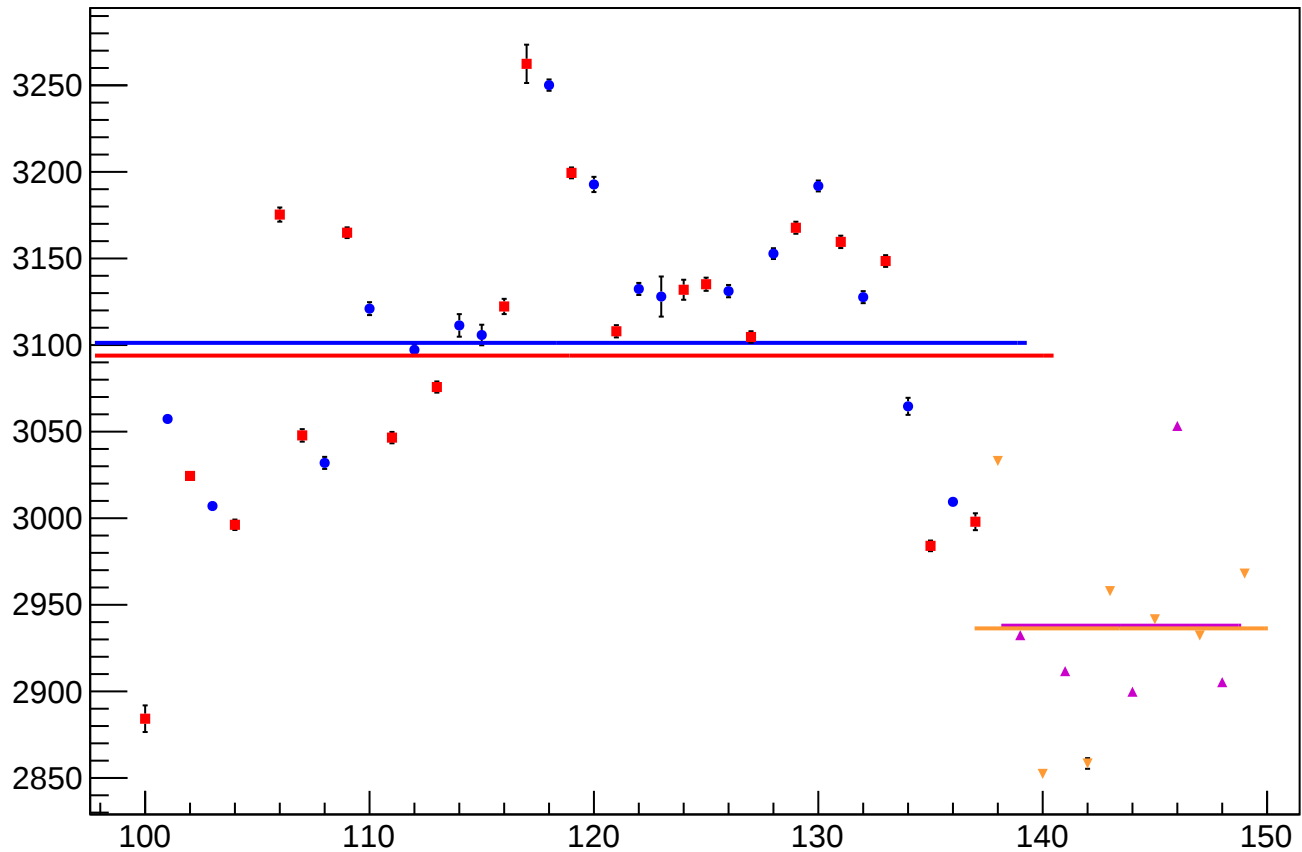
Right Out: -8.116 ± 1.154 $\chi^2/\text{NDF}: 276.6/19$

Left In: -9.555 ± 1.459 $\chi^2/\text{NDF}: 15.6/4$

-15.154 ± 0.887 $\chi^2/\text{NDF}: 252.5/23$

-8.670 ± 0.905 $\chi^2/\text{NDF}: 292.8/24$

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 2936.382+/-0.930 χ^2/NDF : 3779.2/6

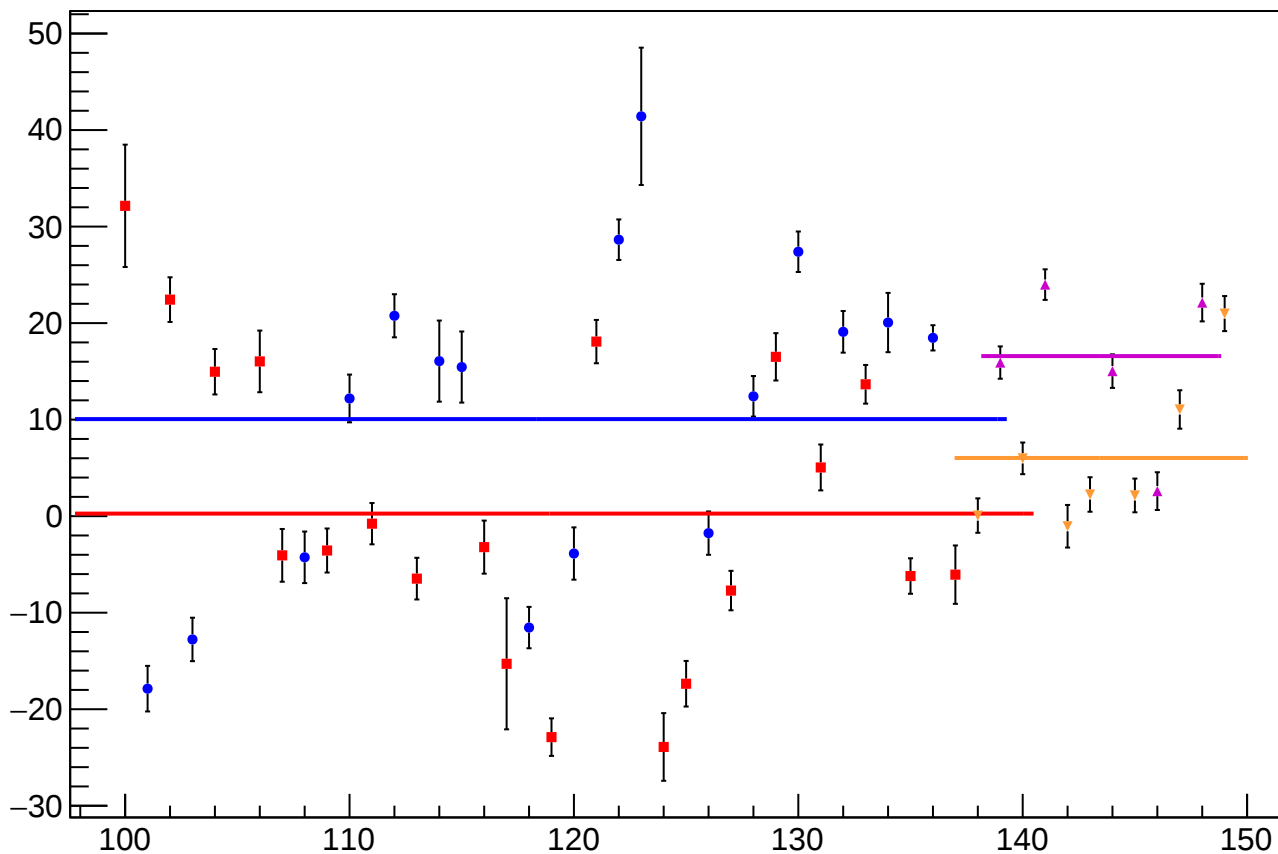
Right Out: 3093.913+/-0.816 χ^2/NDF : 7998.9/19

Left In: 2937.946+/-1.032 χ^2/NDF : 2974.3/4

3026.349+/-0.627 χ^2/NDF : 28155.8/23

3033.905+/-0.640 χ^2/NDF : 25035.5/24

diff_bpm0l01Y_mean vs Slug



Right In: 10.055+/-0.562 χ^2 /NDF: 692.2/16

Left Out: 6.030+/-0.692 χ^2 /NDF:105.1/6

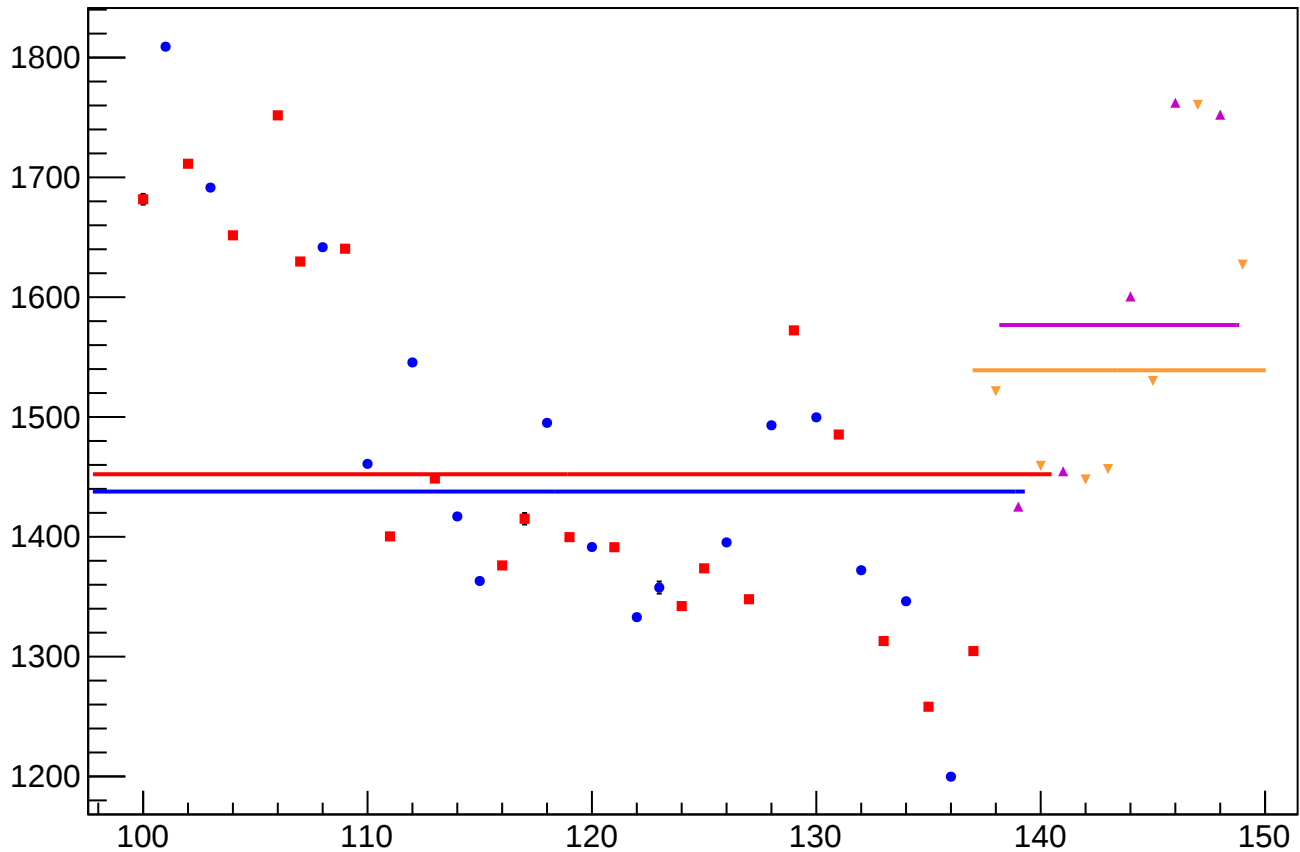
Right Out: 0.266+/-0.545 χ^2 /NDF: 635.1/19

Left In: 16.584+/-0.788 χ^2 /NDF:82.1/4

8.457+/-0.436 χ^2 /NDF: 817.7/23

5.550+/-0.448 χ^2 /NDF: 1007.2/24

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 ± 0.397 χ^2/NDF : 173216.2/16

Left Out: 1538.982 ± 0.489 χ^2/NDF : 42119.7/6

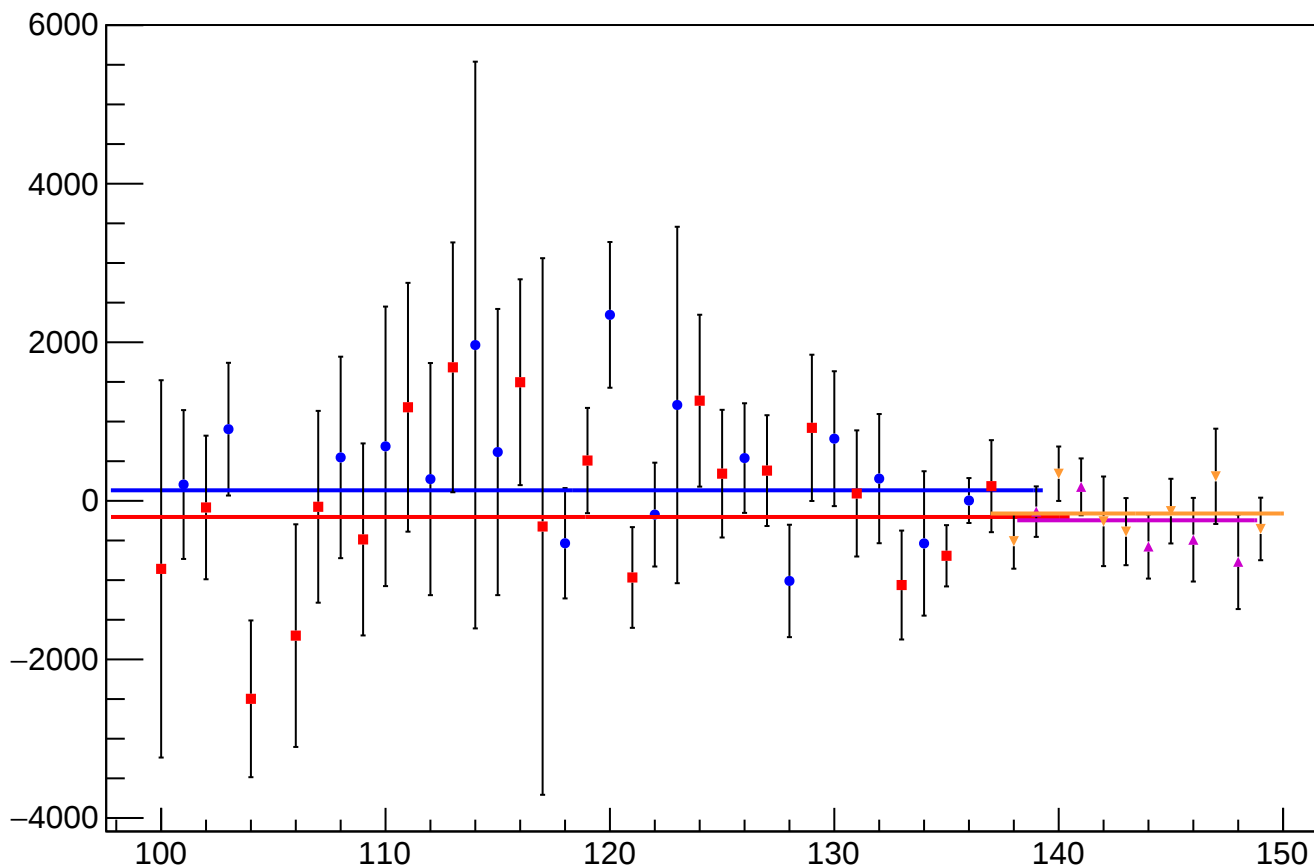
Right Out: 1452.227 ± 0.386 χ^2/NDF : 138666.1/19

Left In: 1576.758 ± 0.557 χ^2/NDF : 62858.9/4

1477.965 ± 0.308 χ^2/NDF : 241123.3/23

1492.552 ± 0.317 χ^2/NDF : 235304.9/24

asym_sam1_mean vs Slug



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -159.651+/-156.714 χ^2/NDF : 4.3/6

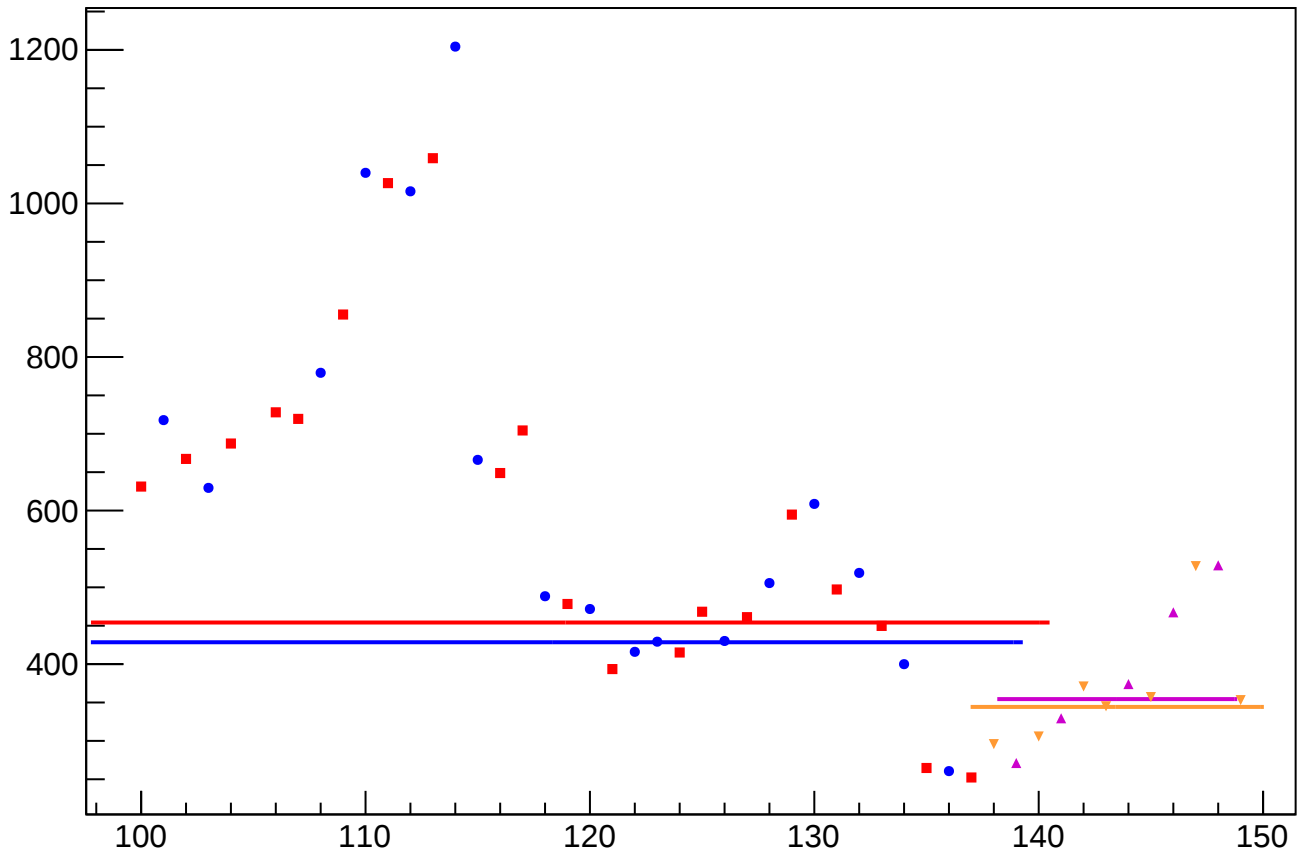
Right Out: -203.418+/-184.080 χ^2/NDF : 21.4/19

Left In: -245.403+/-182.194 χ^2/NDF : 3.1/4

-33.718+/-118.271 χ^2/NDF : 18.7/23

-224.627+/-129.492 χ^2/NDF : 24.6/24

asym_sam1_rms vs Slug



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 344.238+/-0.111 χ^2/NDF : 257792.8/6

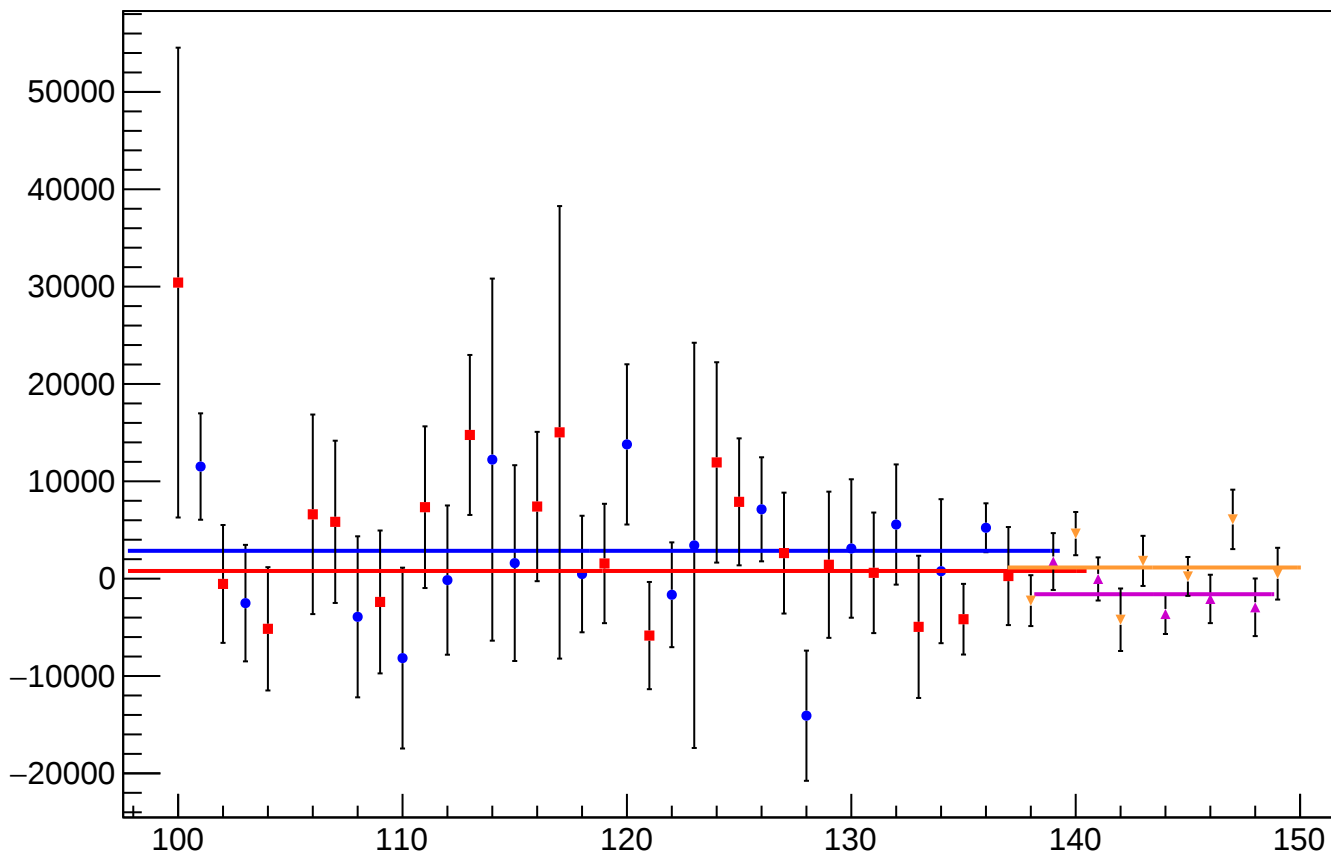
380.490+/-0.084 χ^2/NDF : 2517890.1/23

Right Out: 454.177+/-0.130 χ^2/NDF : 2040775.1/19

403.788+/-0.092 χ^2/NDF : 2750756.3/24

Left In: 354.425+/-0.129 χ^2/NDF : 413304.8/4

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1146.552 $\pm$ 955.053 χ^2 /NDF: 9.9/6

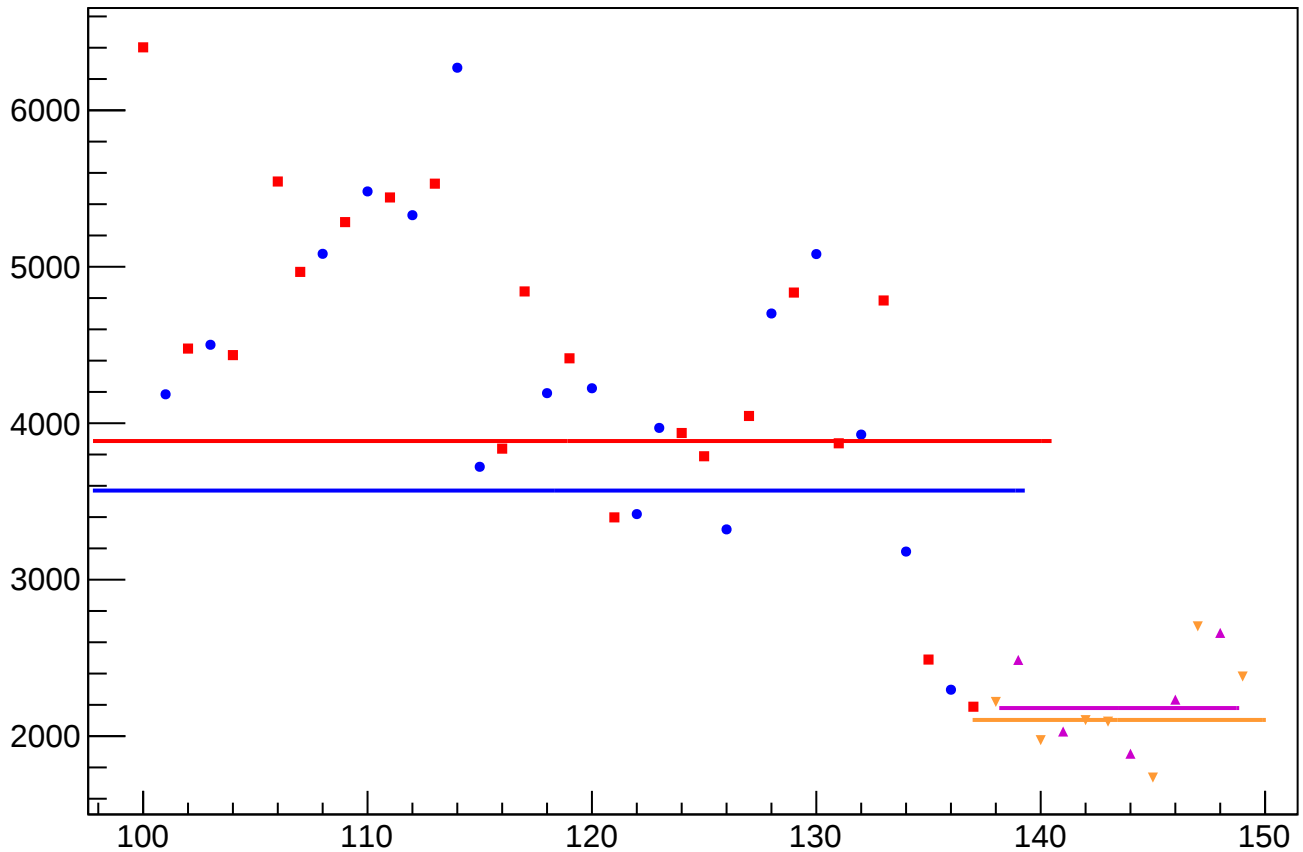
Right Out: 789.608 $\pm$ 1506.053 χ^2 /NDF: 14.4/19

Left In: -1598.103 $\pm$ 1094.935 χ^2 /NDF: 3.0/4

1665.927 $\pm$ 797.235 χ^2 /NDF: 27.5/23

-772.455 $\pm$ 885.619 χ^2 /NDF: 19.1/24

asym_sam2_rms vs Slug



Right In: 3569.631 ± 1.024 χ^2/NDF : 1087935.4/16

Left Out: 2103.572 ± 0.675 χ^2/NDF : 177156.0/6

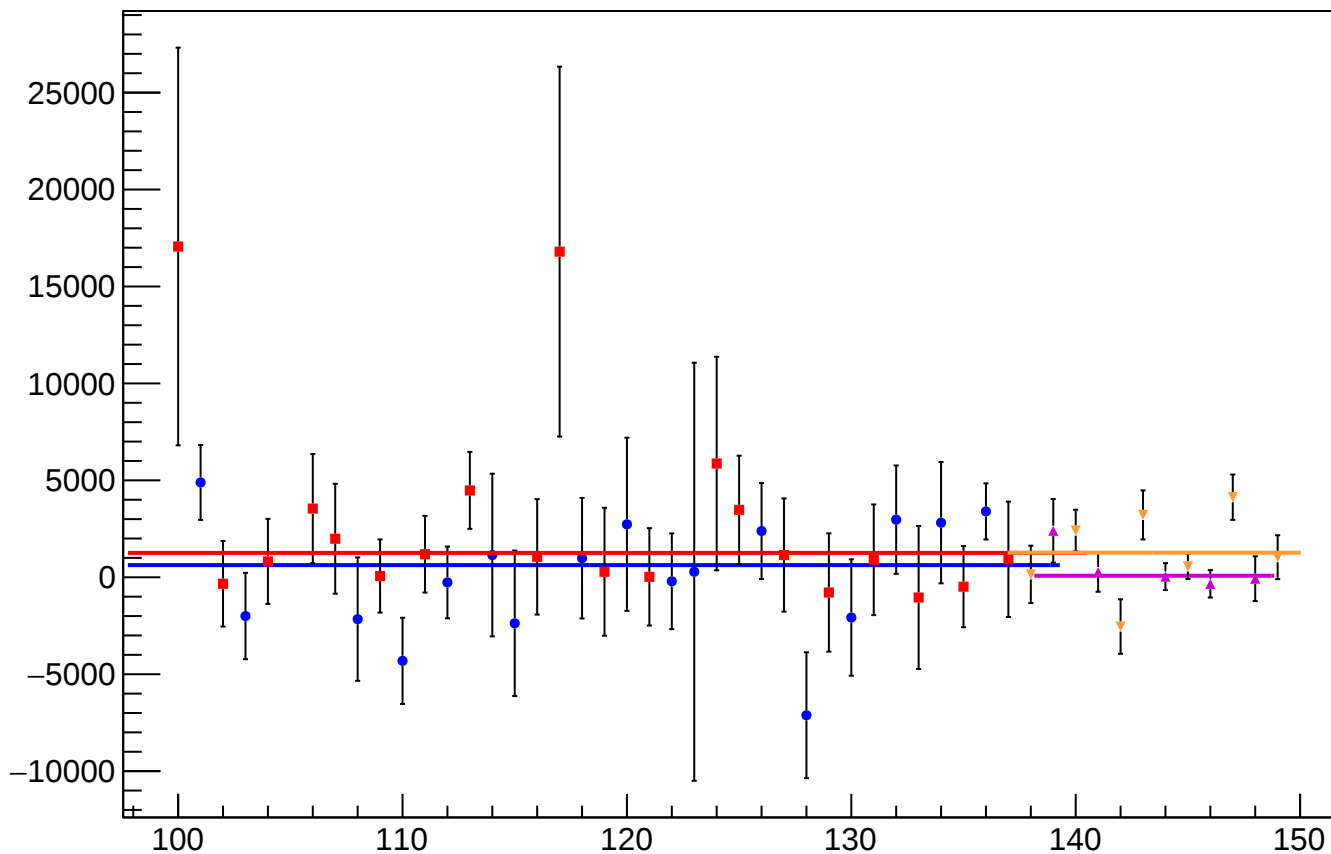
Right Out: 3886.199 ± 1.065 χ^2/NDF : 986485.7/19

Left In: 2179.587 ± 0.774 χ^2/NDF : 125365.7/4

2548.057 ± 0.564 χ^2/NDF : 2693933.4/23

2769.718 ± 0.626 χ^2/NDF : 2791955.1/24

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1270.881 ± 397.324 χ^2/NDF : 18.6/6

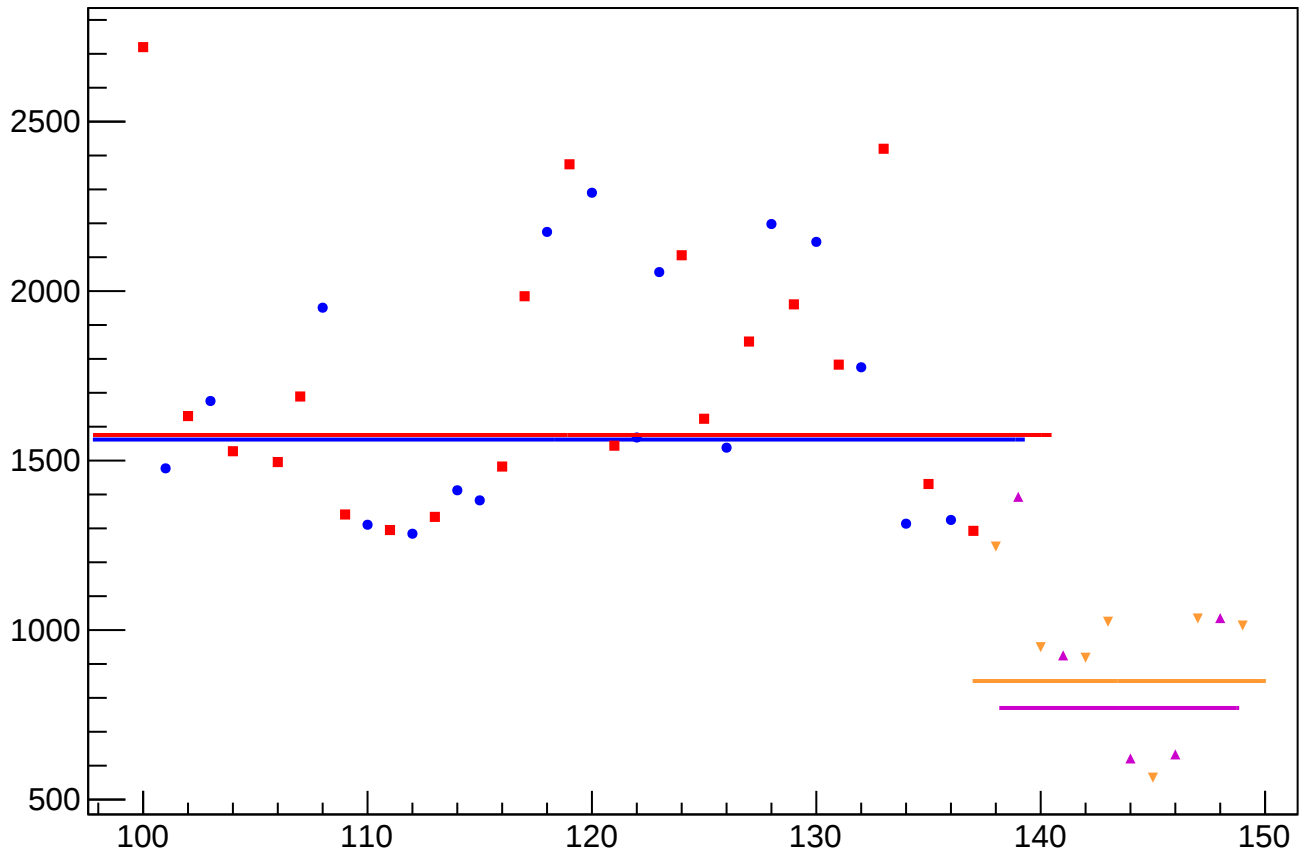
Right Out: 1257.467 ± 601.857 χ^2/NDF : 12.6/19

Left In: 80.605 ± 402.761 χ^2/NDF : 2.4/4

1084.020 ± 334.672 χ^2/NDF : 44.5/23

444.619 ± 334.726 χ^2/NDF : 17.6/24

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 849.743+/-0.281 χ^2/NDF : 680069.6/6

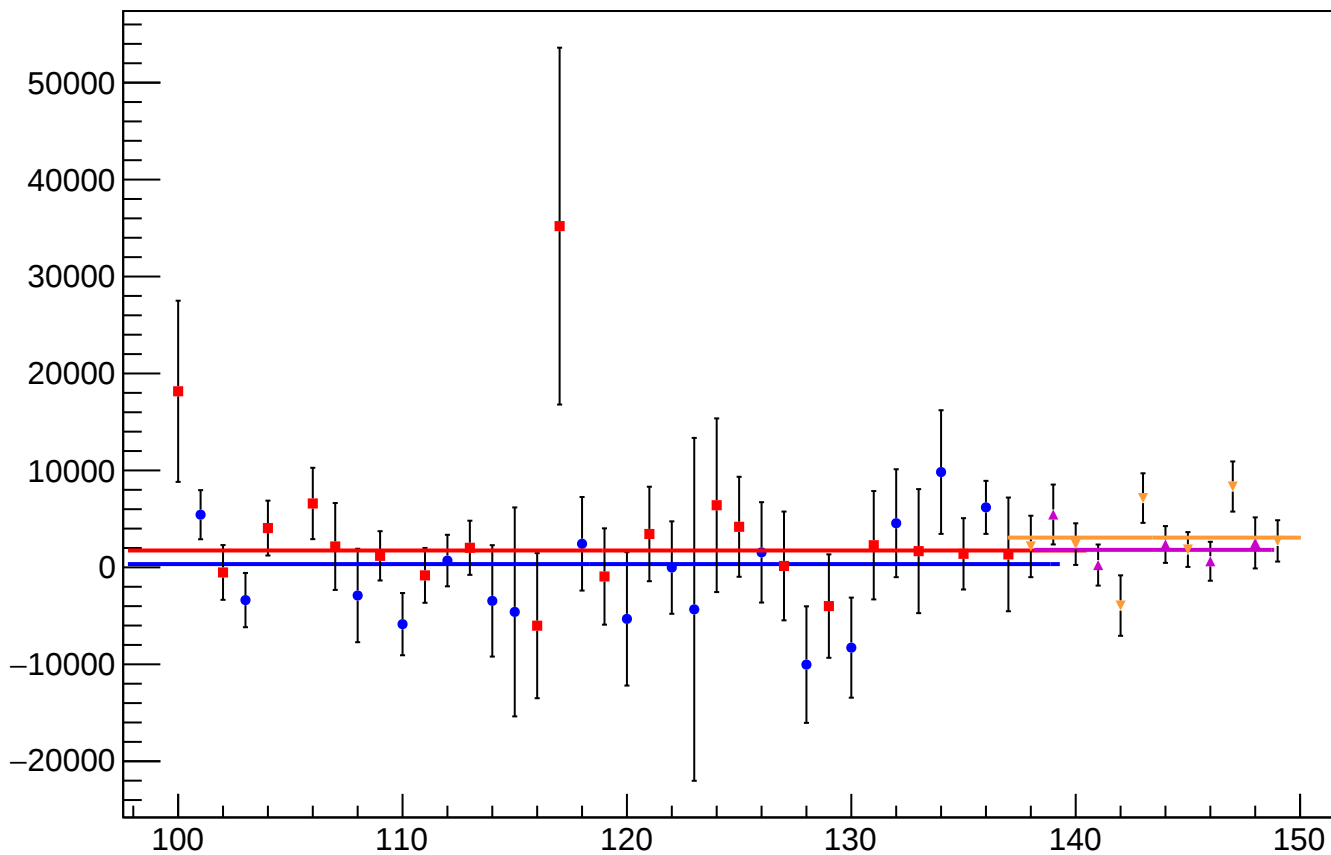
Right Out: 1575.541+/-0.426 χ^2/NDF : 467687.2/19

Left In: 770.203+/-0.285 χ^2/NDF : 607683.4/4

1056.687+/-0.237 χ^2/NDF : 3029792.2/23

1019.302+/-0.237 χ^2/NDF : 3548711.5/24

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 $\chi^2/\text{NDF}: 24.8/16$

Left Out: 3068.500 ± 893.730 $\chi^2/\text{NDF}: 12.4/6$

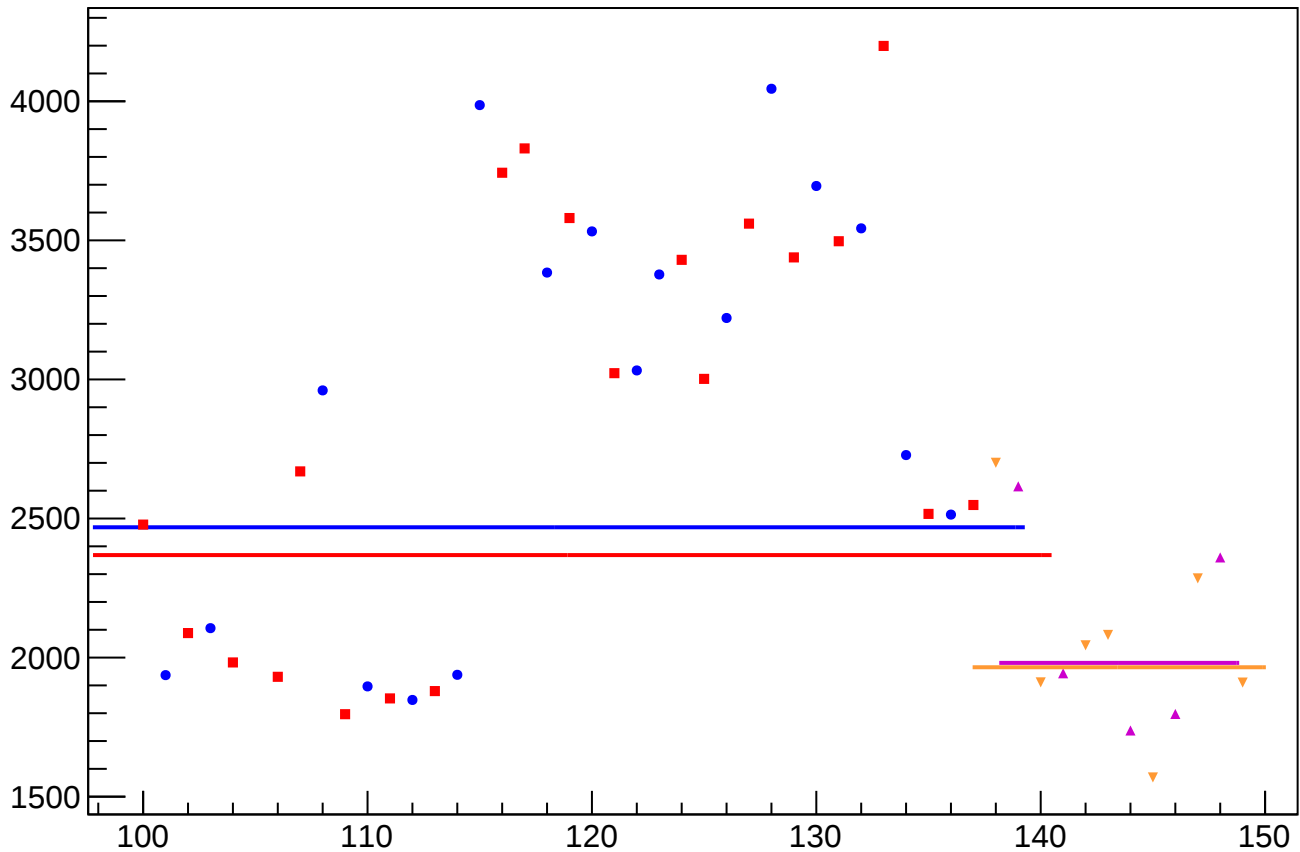
Right Out: 1742.470 ± 923.289 $\chi^2/\text{NDF}: 13.6/19$

Left In: 1806.088 ± 1001.474 $\chi^2/\text{NDF}: 2.4/4$

1850.427 ± 665.143 $\chi^2/\text{NDF}: 41.4/23$

1771.699 ± 678.824 $\chi^2/\text{NDF}: 16.0/24$

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 1965.218+/-0.632 χ^2/NDF : 243468.5/6

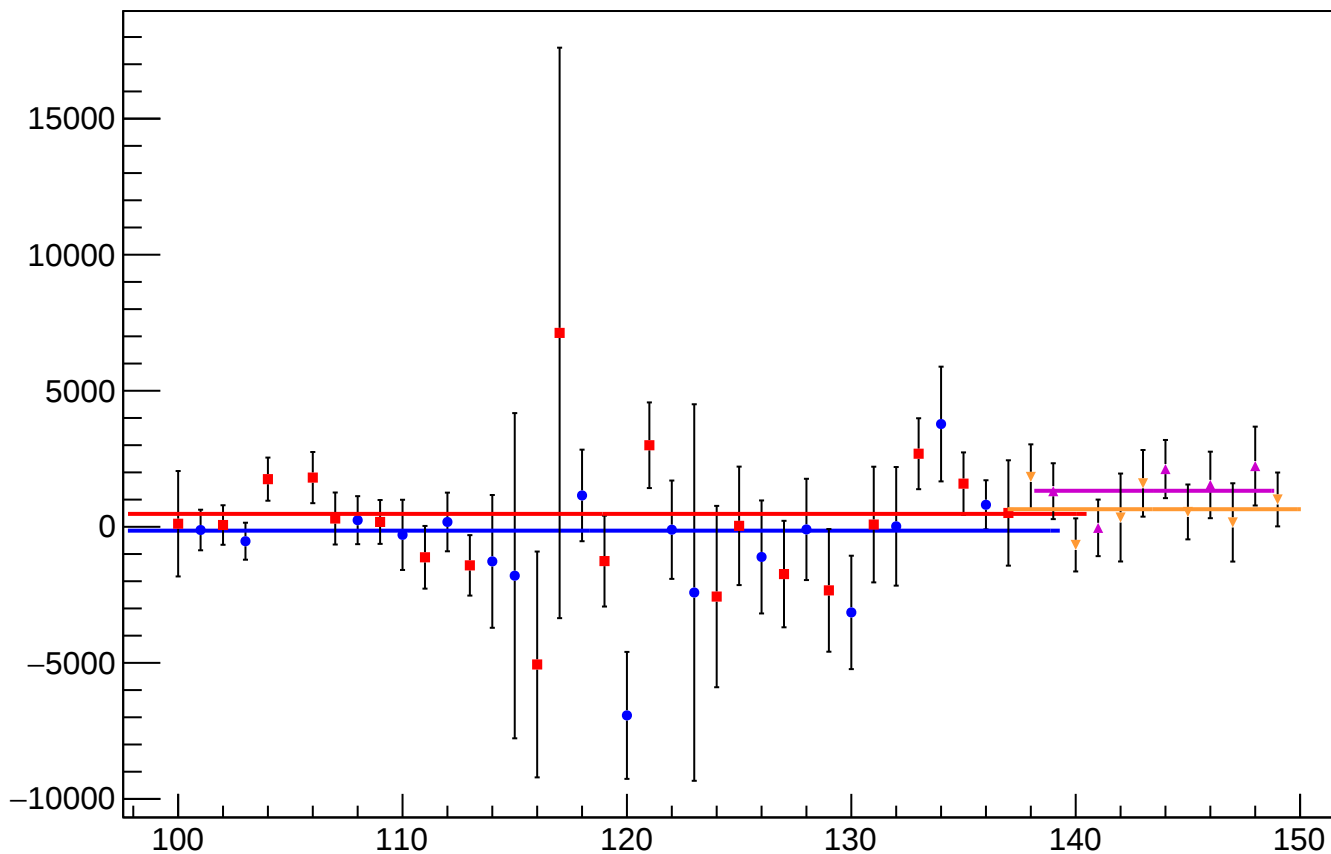
2189.736+/-0.470 χ^2/NDF : 1422546.8/23

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

2190.451+/-0.480 χ^2/NDF : 1375811.3/24

Left In: 1980.944+/-0.708 χ^2/NDF : 176077.9/4

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 647.232+/-434.911 χ^2/NDF : 3.7/6

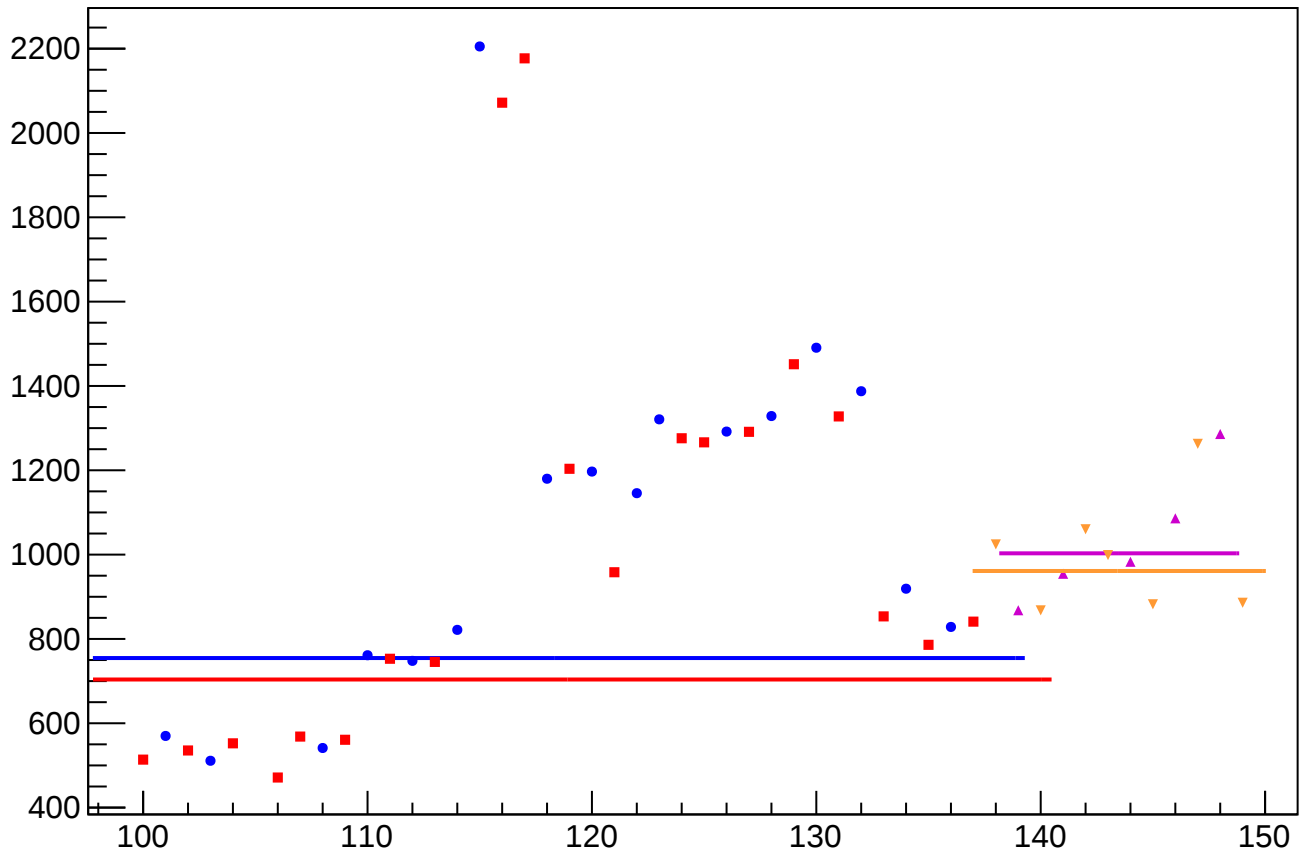
Right Out: 474.987+/-282.789 χ^2/NDF : 23.3/19

Left In: 1324.200+/-506.659 χ^2/NDF : 2.7/4

128.179+/-254.218 χ^2/NDF : 22.8/23

676.701+/-246.930 χ^2/NDF : 28.2/24

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 961.169+/-0.308 χ^2/NDF : 144987.5/6

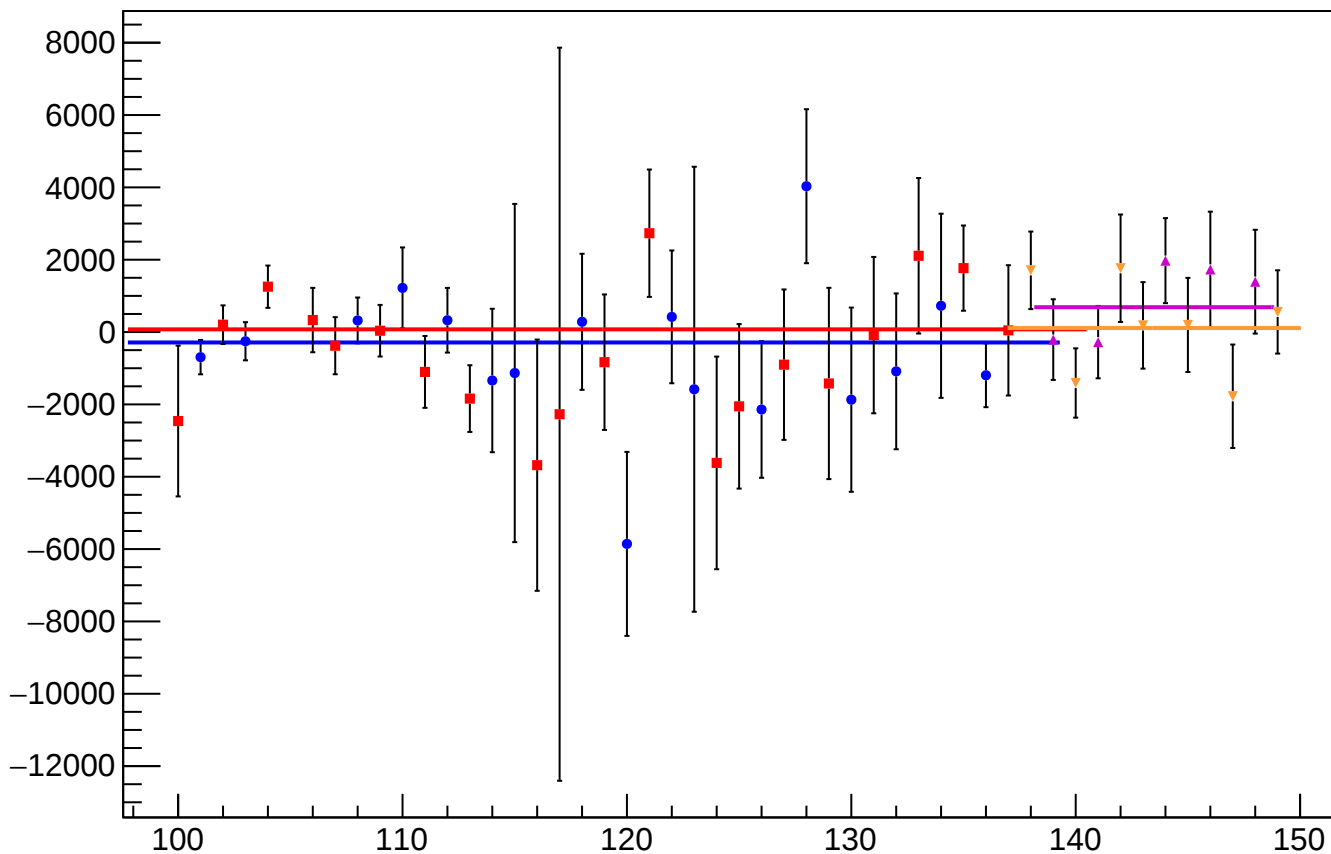
825.235+/-0.180 χ^2/NDF : 2132397.7/23

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

774.875+/-0.175 χ^2/NDF : 2388256.2/24

Left In: 1003.045+/-0.358 χ^2/NDF : 125143.5/4

asym_sam6_mean vs Slug



Right In: -288.037 ± 250.436 $\chi^2/\text{NDF}: 16.2/16$

Left Out: 110.782 ± 449.602 $\chi^2/\text{NDF}: 7.9/6$

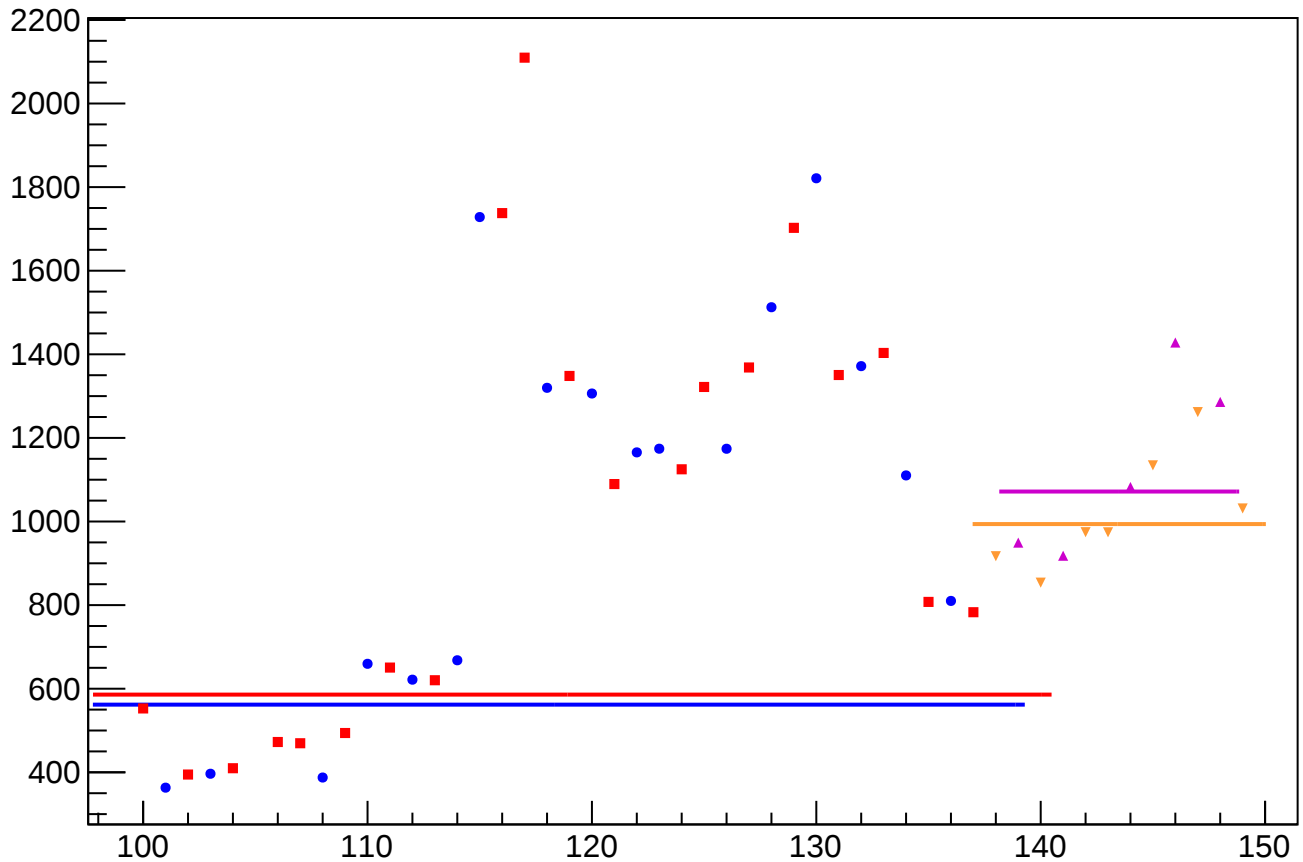
Right Out: 74.735 ± 246.011 $\chi^2/\text{NDF}: 21.4/19$

Left In: 686.824 ± 541.915 $\chi^2/\text{NDF}: 3.4/4$

-193.598 ± 218.784 $\chi^2/\text{NDF}: 24.6/23$

179.323 ± 224.009 $\chi^2/\text{NDF}: 25.9/24$

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 993.874+/-0.318 χ^2/NDF : 149594.1/6

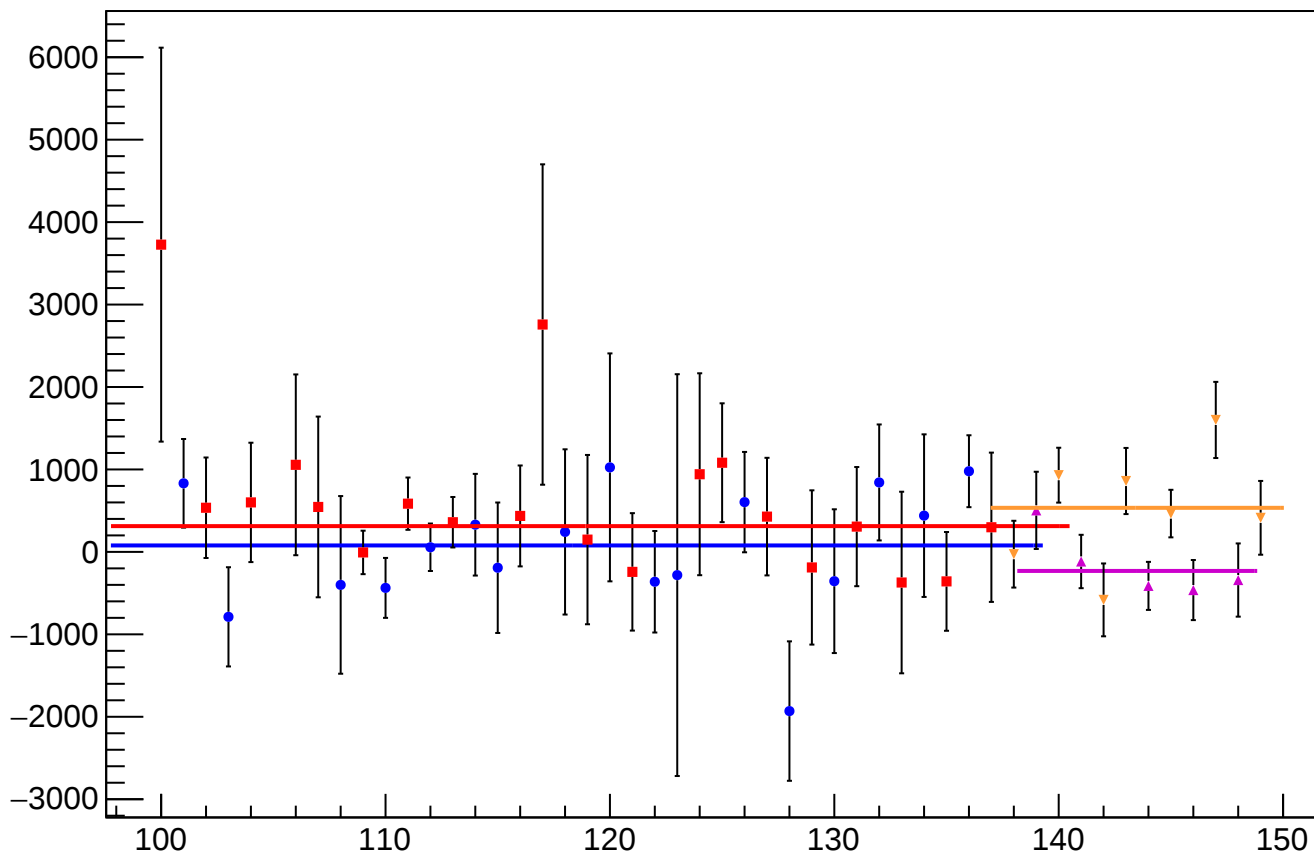
664.185+/-0.155 χ^2/NDF : 4775342.4/23

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

668.902+/-0.158 χ^2/NDF : 4417963.1/24

Left In: 1071.702+/-0.383 χ^2/NDF : 215597.9/4

asym_sam7_mean vs Slug



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 534.510+/-144.076 χ^2/NDF : 15.8/6

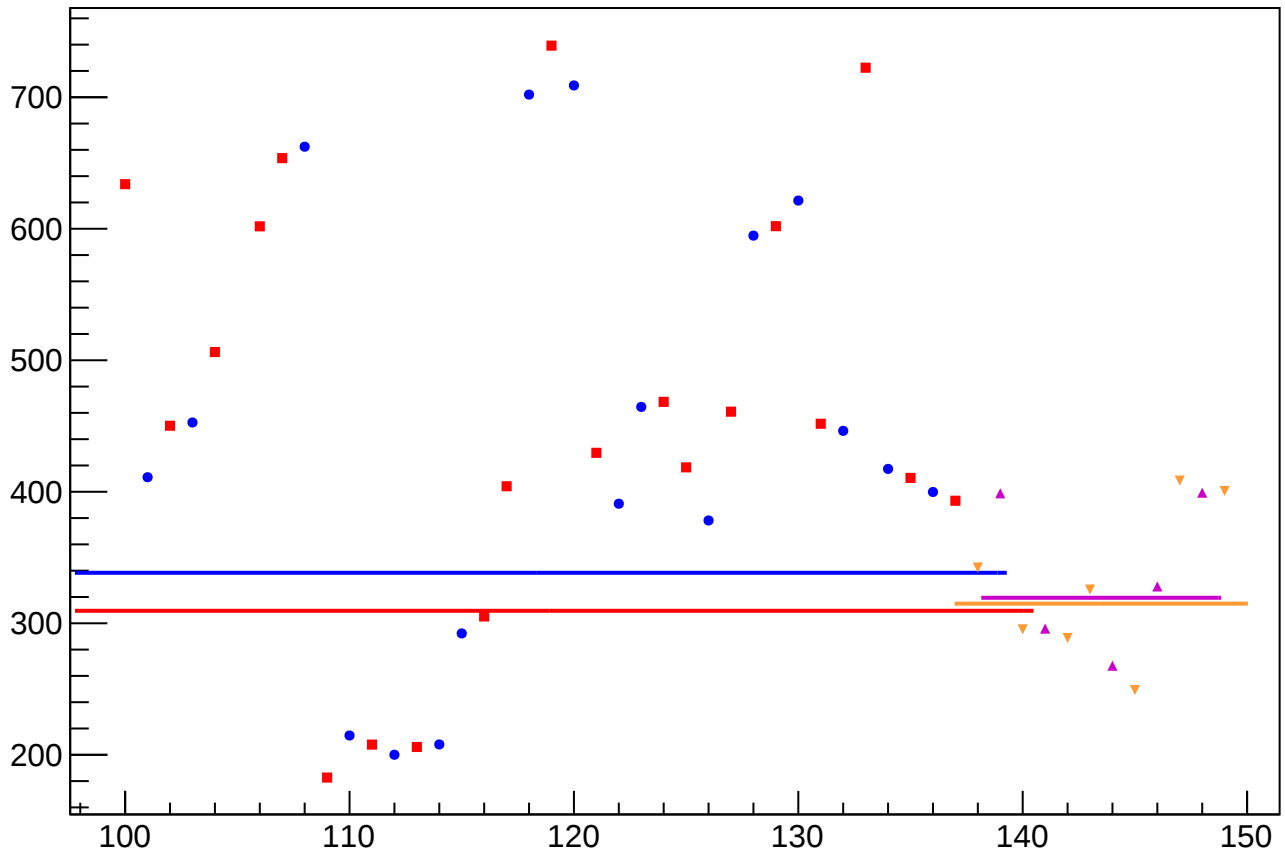
Right Out: 312.536+/-129.362 χ^2/NDF : 10.7/19

Left In: -231.005+/-161.200 χ^2/NDF : 3.4/4

304.428+/-101.448 χ^2/NDF : 40.7/23

99.616+/-100.892 χ^2/NDF : 21.0/24

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 314.935 $\pm$ 0.102 χ^2 /NDF:283742.4/6

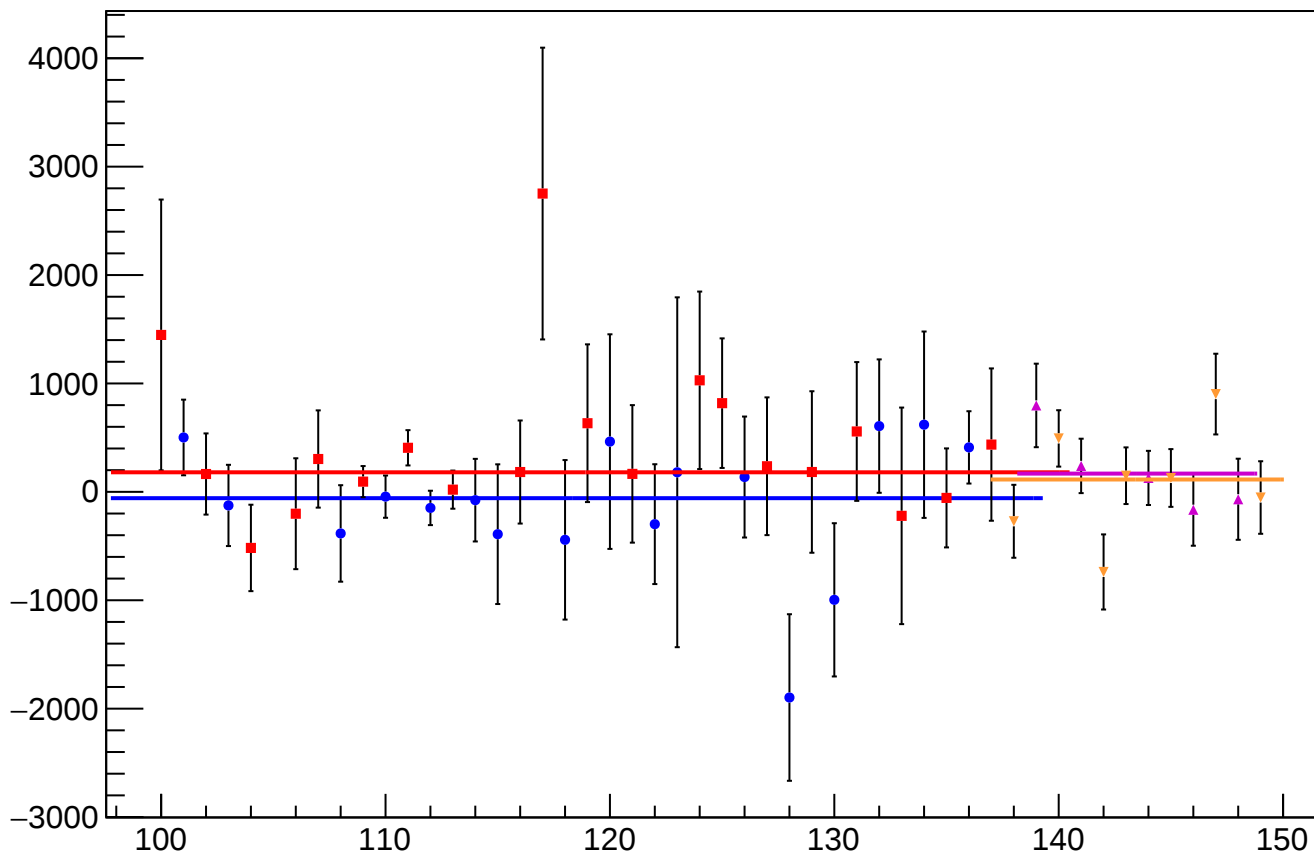
Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

Left In: 319.396 $\pm$ 0.114 χ^2 /NDF:196864.1/4

326.770 $\pm$ 0.072 χ^2 /NDF: 2319796.1/23

313.378 $\pm$ 0.071 χ^2 /NDF: 2939683.1/24

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 113.951 ± 114.089 χ^2/NDF : 14.2/6

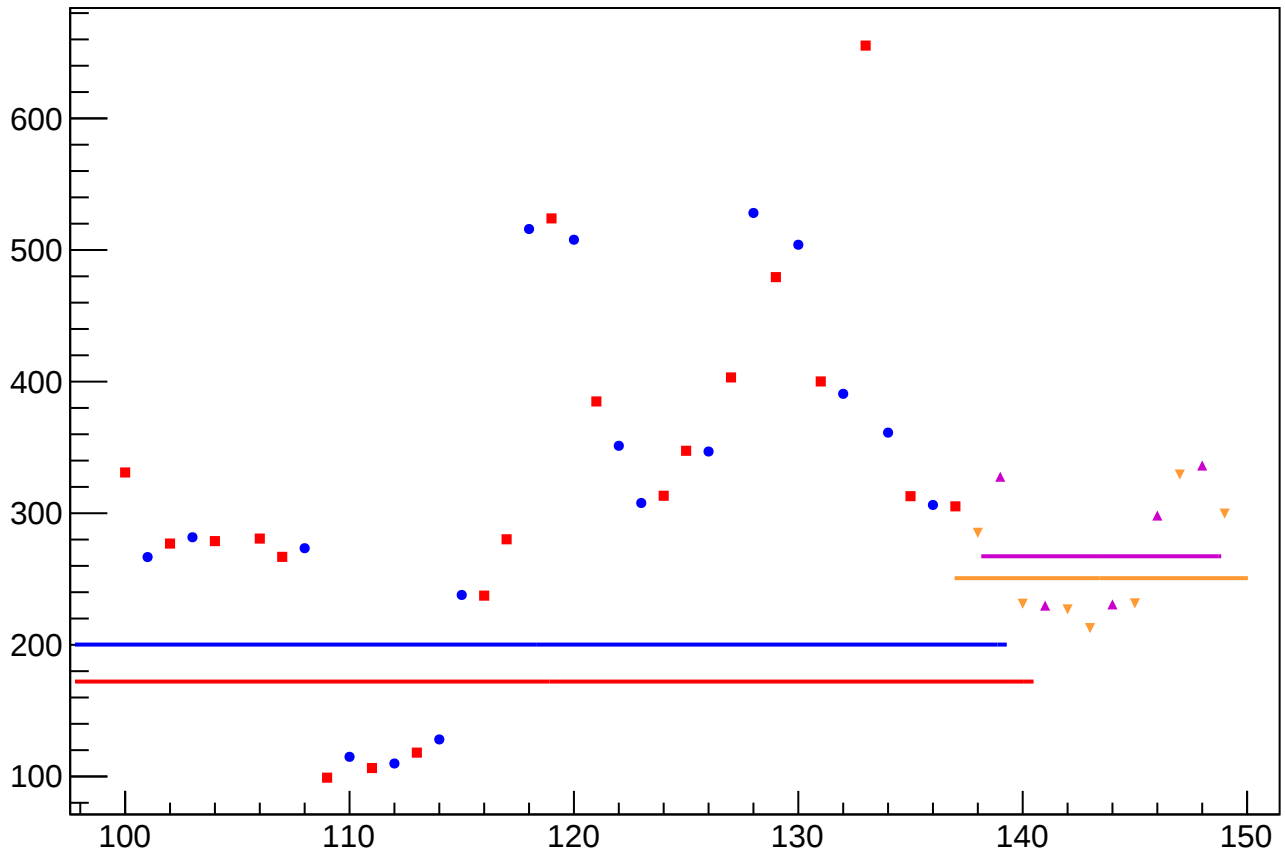
Right Out: 180.354 ± 76.795 χ^2/NDF : 15.0/19

Left In: 168.438 ± 135.010 χ^2/NDF : 4.2/4

8.212 ± 70.894 χ^2/NDF : 31.5/23

177.441 ± 66.752 χ^2/NDF : 19.2/24

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 250.675+/-0.081 χ^2/NDF :226326.8/6

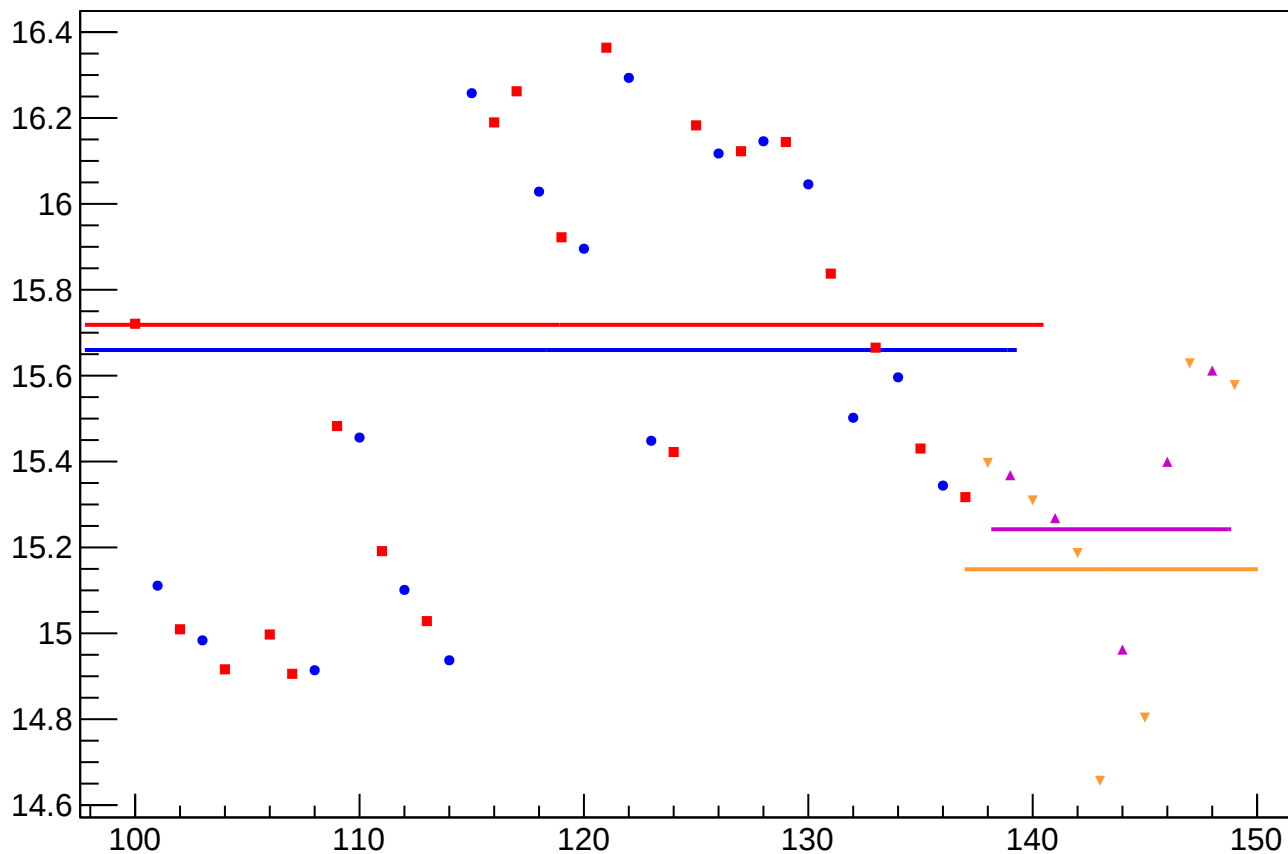
219.695+/-0.050 χ^2/NDF : 3853752.8/23

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

195.379+/-0.047 χ^2/NDF : 5080103.3/24

Left In: 267.300+/-0.095 χ^2/NDF :222061.1/4

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.149 $\pm$ 0.000 χ^2 /NDF: 5173758339.3/6

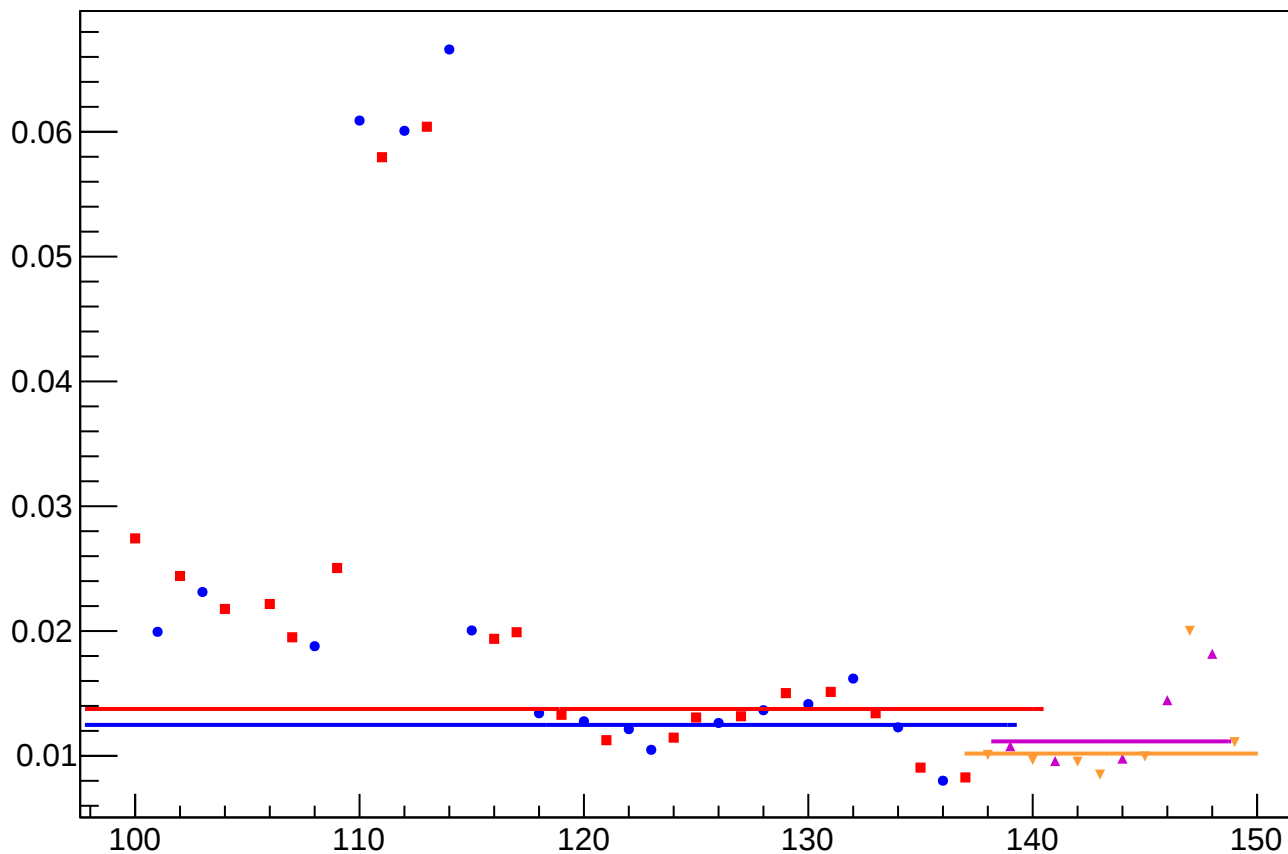
Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

Left In: 15.242 $\pm$ 0.000 χ^2 /NDF: 1173427488.4/4

15.371 $\pm$ 0.000 χ^2 /NDF: 15839734300.3/23

15.480 $\pm$ 0.000 χ^2 /NDF: 9952540844.6/24

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:429163.3/6

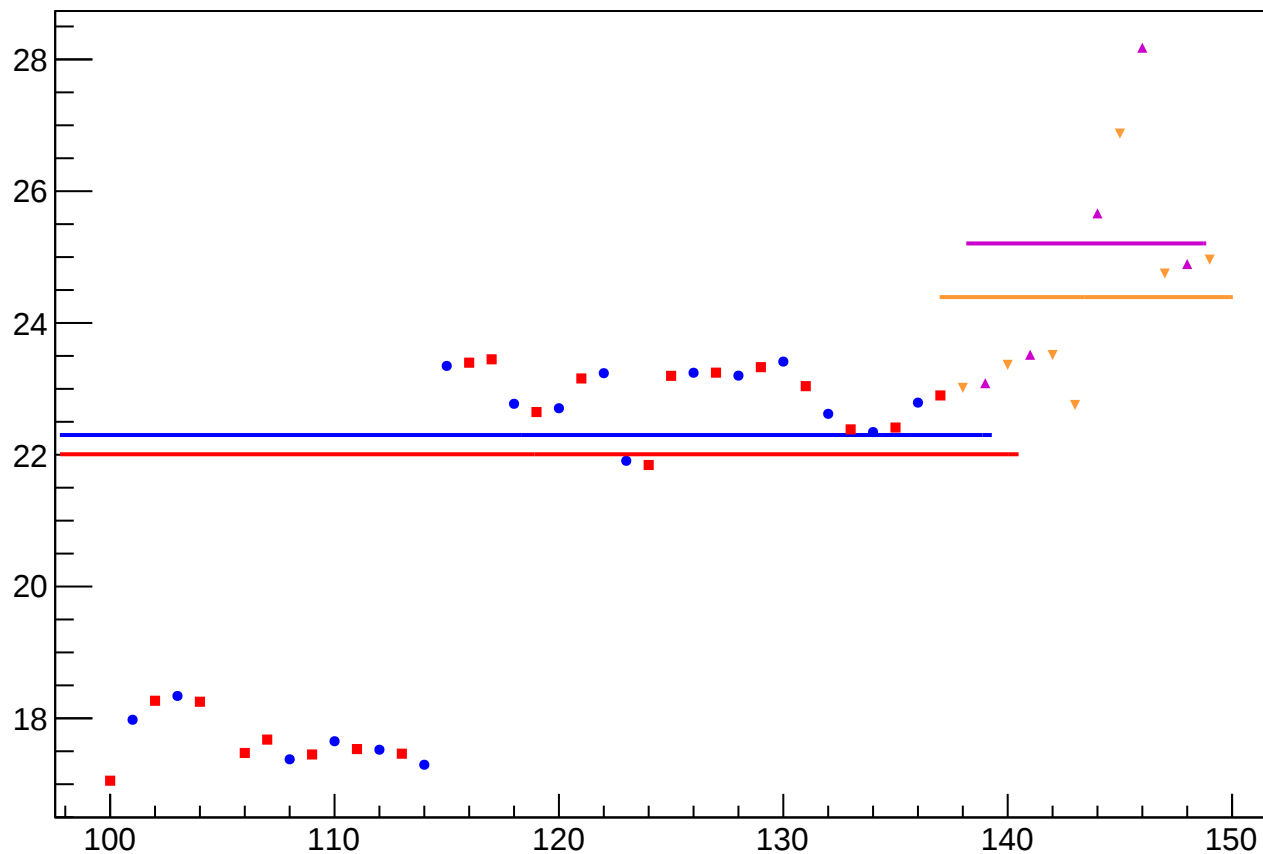
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:380596.6/4

0.011 $\pm$ 0.000 χ^2 /NDF: 2779824.3/23

0.012 $\pm$ 0.000 χ^2 /NDF: 2661258.2/24

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.393+/-0.000 χ^2/NDF : 807159535.1/6

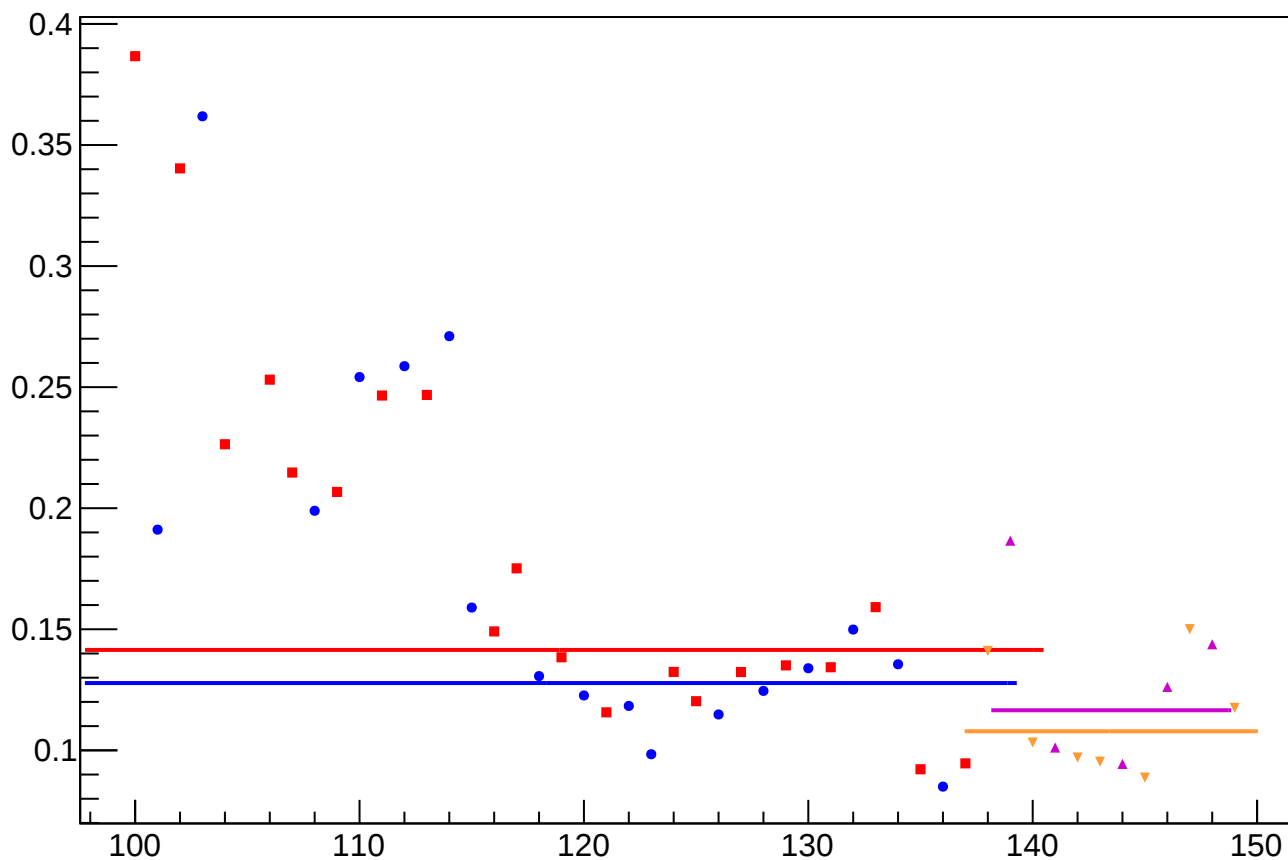
Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

Left In: 25.207+/-0.000 χ^2/NDF : 687538947.5/4

23.404+/-0.000 χ^2/NDF : 2461515123.4/23

23.514+/-0.000 χ^2/NDF : 3091866614.0/24

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.108+/-0.000 χ^2/NDF :278894.5/6

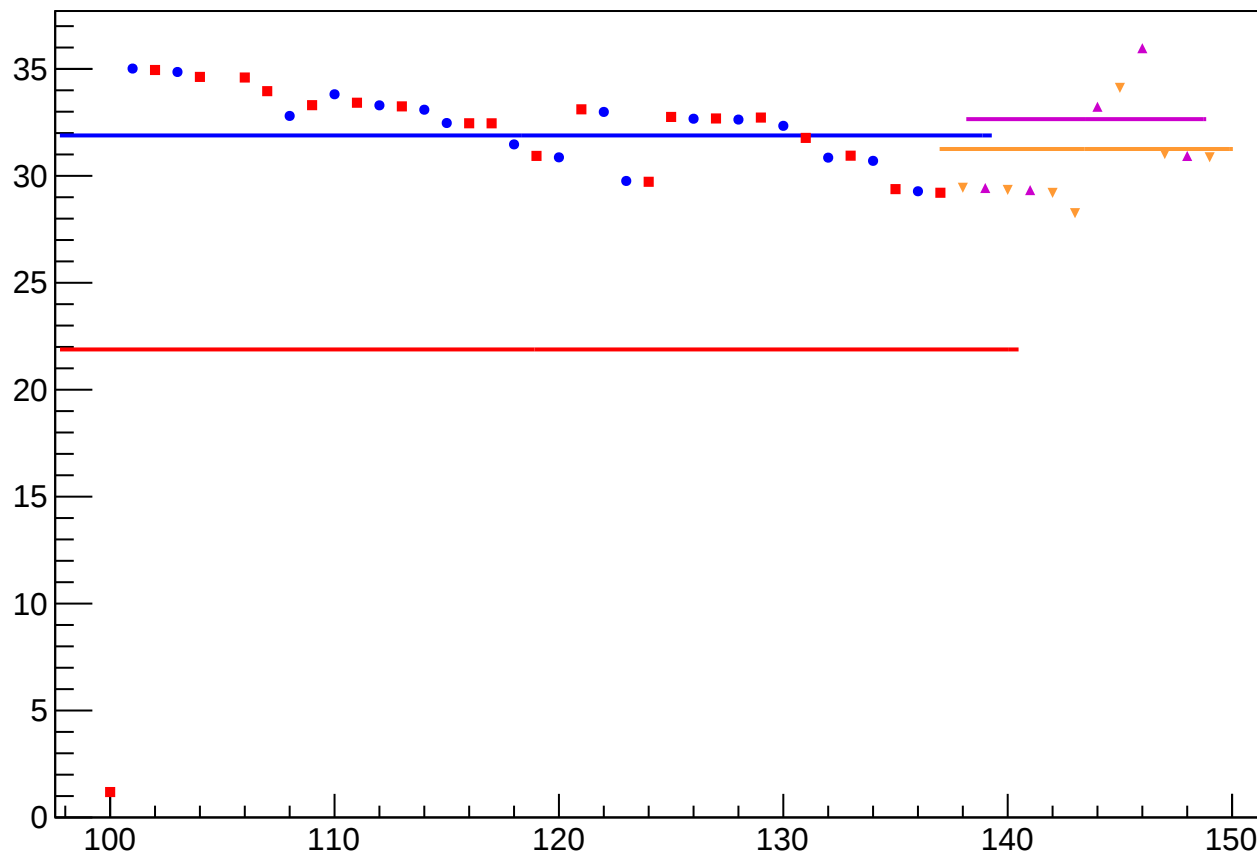
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.117+/-0.000 χ^2/NDF :374076.3/4

0.117+/-0.000 χ^2/NDF : 1900709.6/23

0.130+/-0.000 χ^2/NDF : 1988262.0/24

yield_sam3_mean vs Slug



Right In: 31.889 ± 0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.256 ± 0.000 χ^2/NDF : 4143358234.1/6

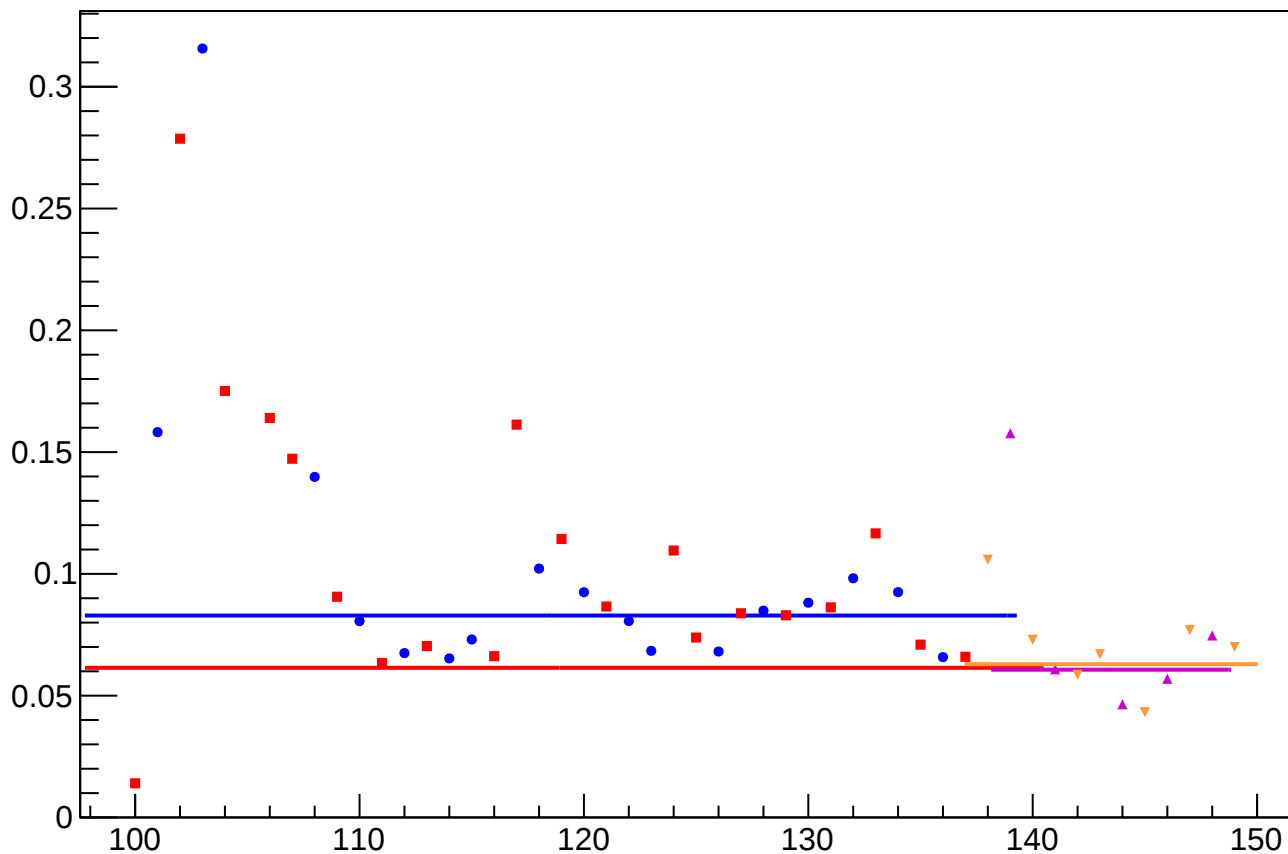
Right Out: 21.883 ± 0.000 χ^2/NDF : 230247118310.5/19

Left In: 32.652 ± 0.000 χ^2/NDF : 4424008045.8/4

31.543 ± 0.000 χ^2/NDF : 6230327091.8/23

26.309 ± 0.000 χ^2/NDF : 285480449484.4/24

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.063+/-0.000 χ^2/NDF : 490735.3/6

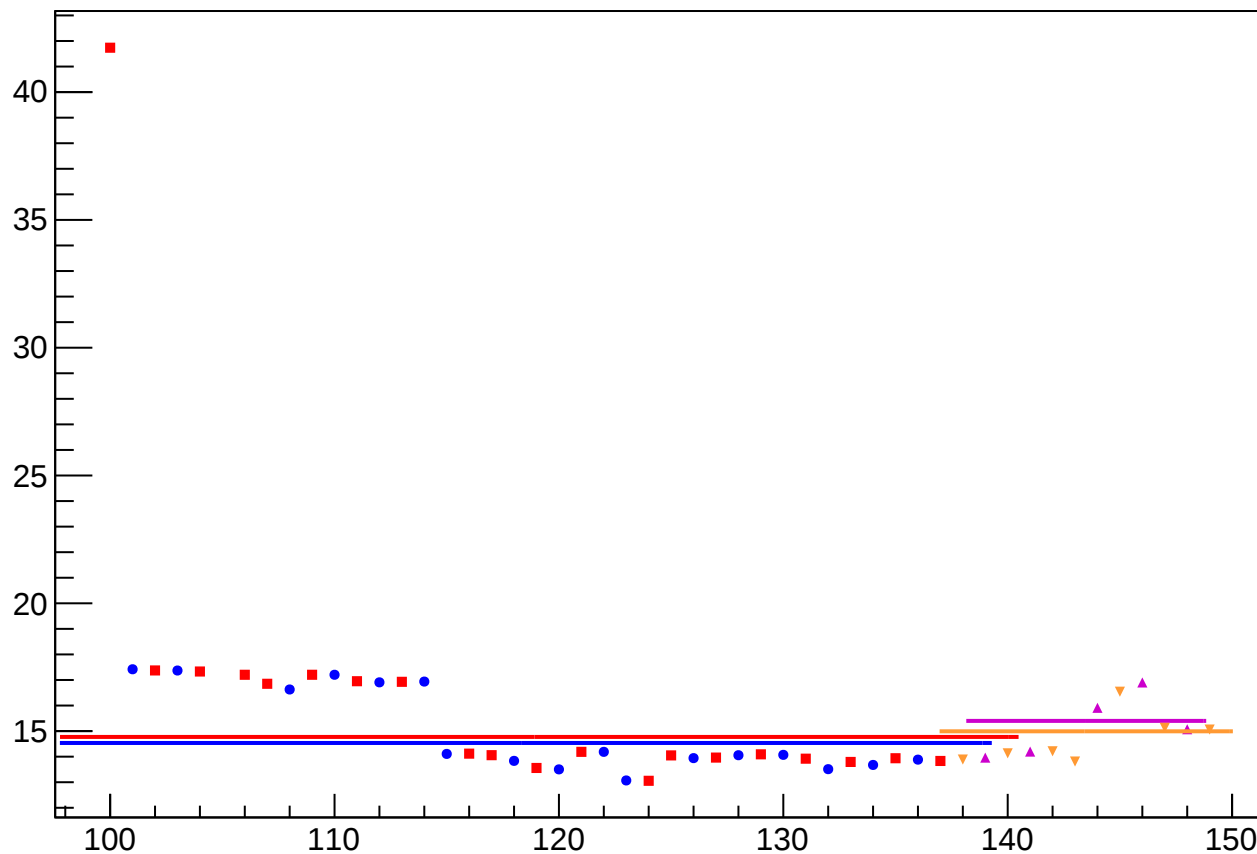
Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

Left In: 0.061+/-0.000 χ^2/NDF : 700079.3/4

0.072+/-0.000 χ^2/NDF : 1967067.1/23

0.061+/-0.000 χ^2/NDF : 4336267.4/24

yield_sam4_mean vs Slug



Right In: 14.536 ± 0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.992 ± 0.000 χ^2/NDF : 942934712.0/6

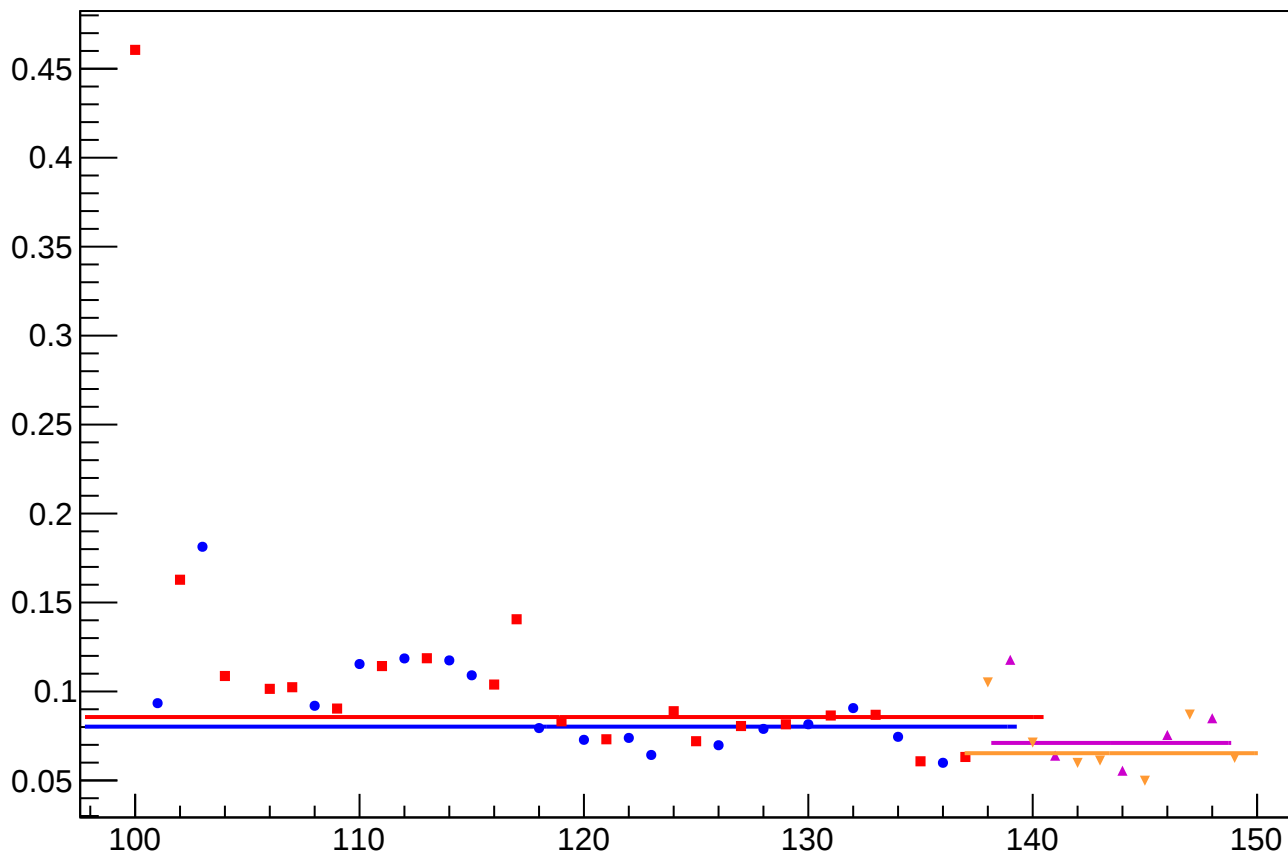
Right Out: 14.772 ± 0.000 χ^2/NDF : 1887789052.4/19

Left In: 15.399 ± 0.000 χ^2/NDF : 658304064.7/4

14.768 ± 0.000 χ^2/NDF : 2504339392.9/23

15.047 ± 0.000 χ^2/NDF : 2685270036.8/24

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.065+/-0.000 χ^2/NDF : 403492.0/6

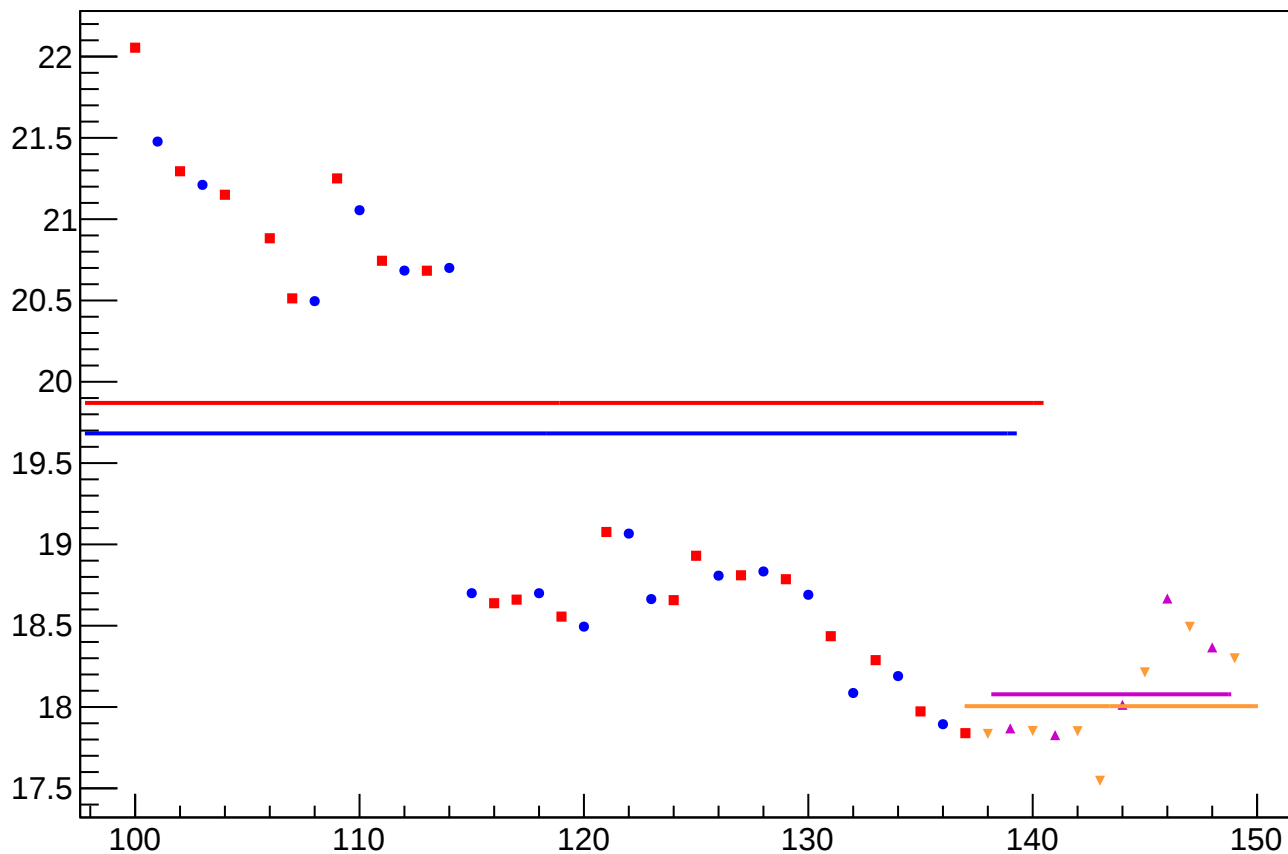
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.071+/-0.000 χ^2/NDF : 382543.3/4

0.073+/-0.000 χ^2/NDF : 1376879.6/23

0.079+/-0.000 χ^2/NDF : 1282469.3/24

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.005+/-0.000 χ^2/NDF : 369066726.4/6

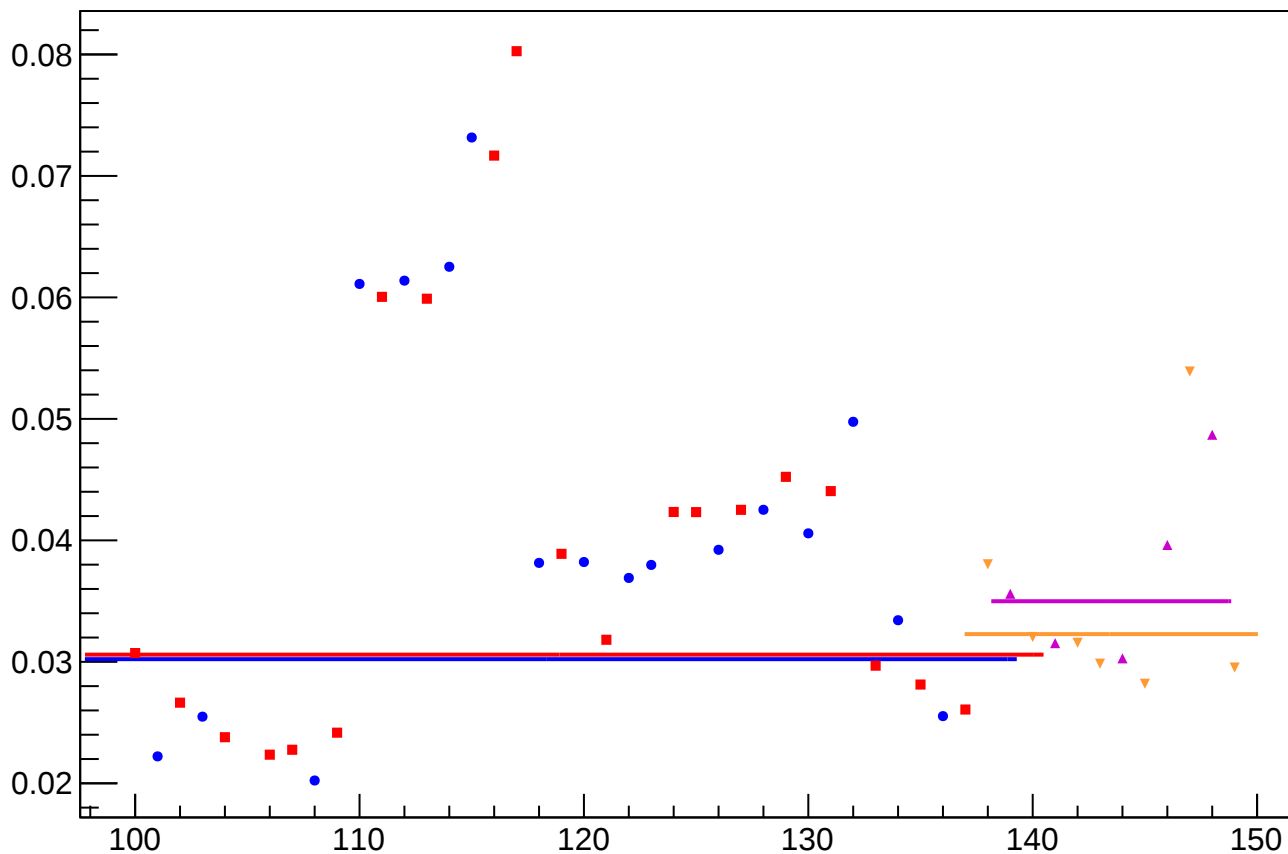
Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

Left In: 18.078+/-0.000 χ^2/NDF : 271449096.8/4

18.982+/-0.000 χ^2/NDF : 19827068236.3/23

19.288+/-0.000 χ^2/NDF : 18206286422.5/24

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032+/-0.000 χ^2/NDF : 326173.1/6

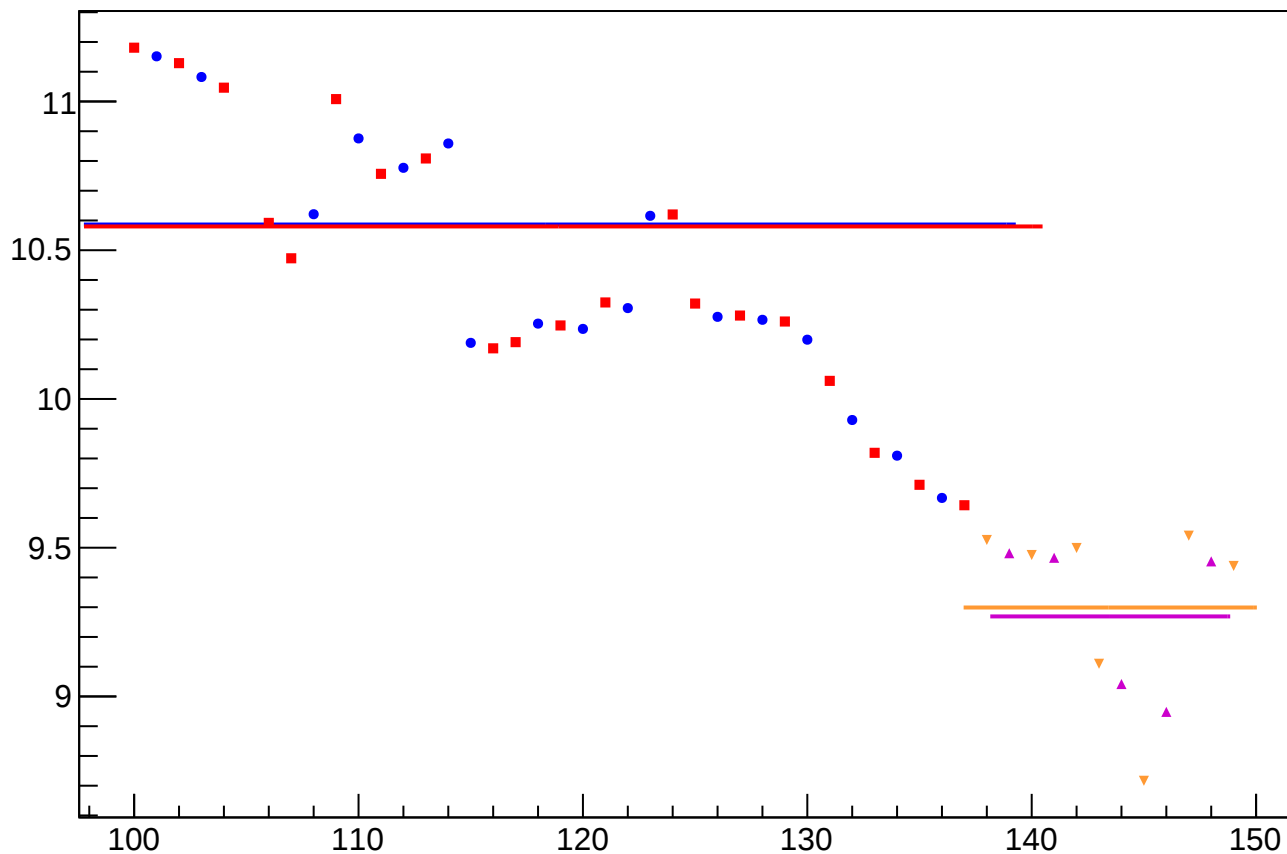
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.035+/-0.000 χ^2/NDF : 200045.4/4

0.031+/-0.000 χ^2/NDF : 1672394.2/23

0.032+/-0.000 χ^2/NDF : 1498767.3/24

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.299 $\pm$ 0.000 χ^2 /NDF: 985108960.3/6

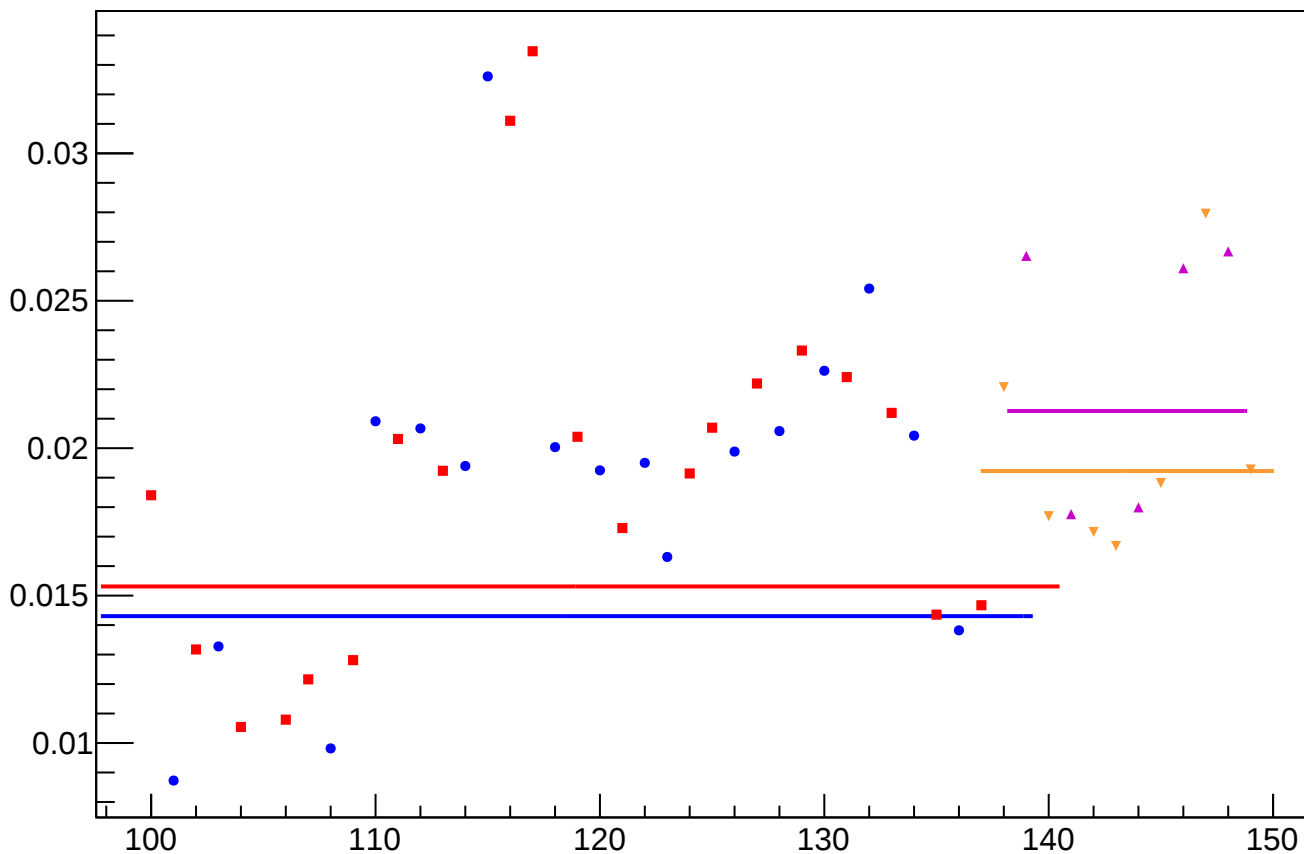
Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

Left In: 9.269 $\pm$ 0.000 χ^2 /NDF: 409623505.8/4

10.184 $\pm$ 0.000 χ^2 /NDF: 21904453212.1/23

10.266 $\pm$ 0.000 χ^2 /NDF: 16578209140.5/24

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 : 217555.1/6

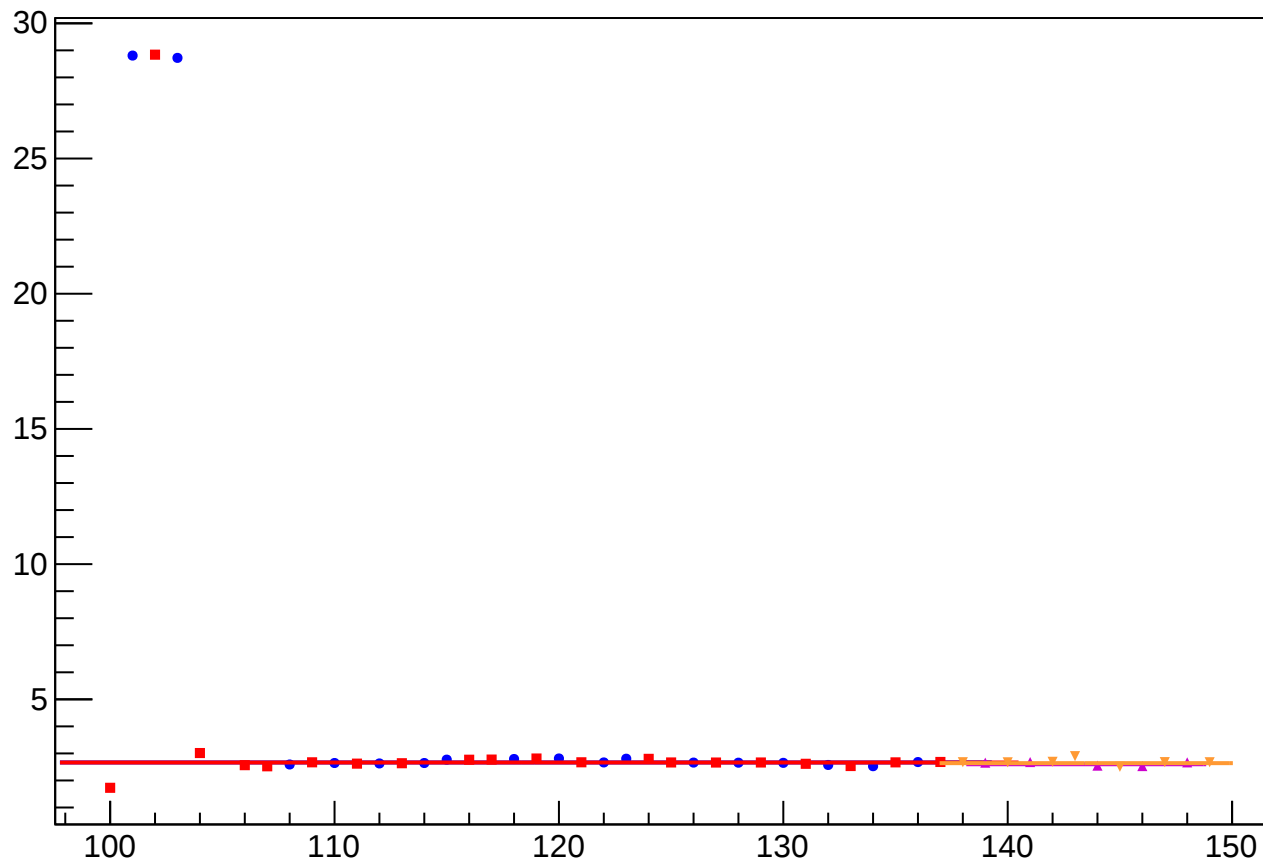
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.021+/-0.000 χ^2/NDF : 278865.2/4

0.016+/-0.000 χ^2/NDF : 2020326.8/23

0.017+/-0.000 χ^2/NDF : 1719130.6/24

yield_sam7_mean vs Slug



Right In: 2.666 ± 0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.640 ± 0.000 χ^2/NDF : 11292474849.7/6

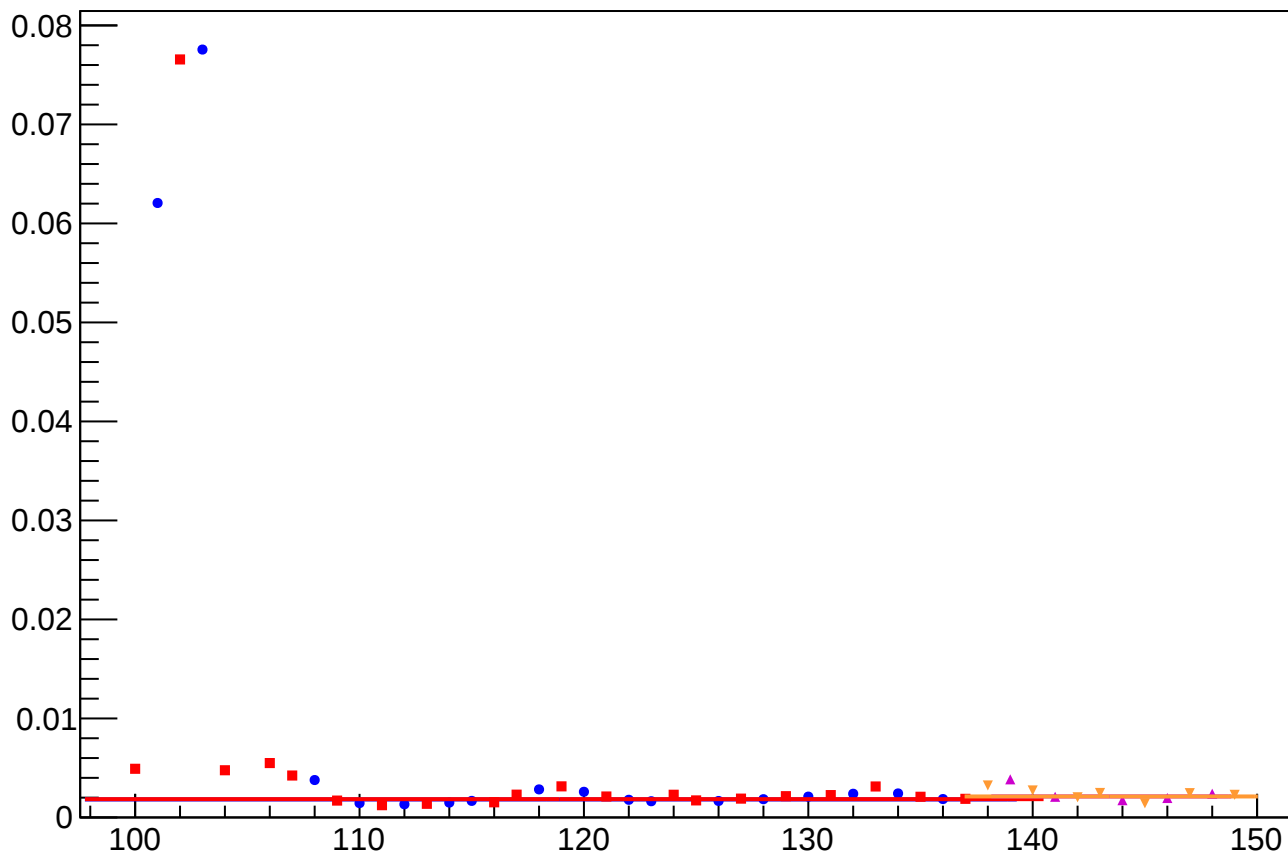
Right Out: 2.664 ± 0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.600 ± 0.000 χ^2/NDF : 3052540995.6/4

2.656 ± 0.000 χ^2/NDF : 174795406185.9/23

2.643 ± 0.000 χ^2/NDF : 75468331374.0/24

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :525937.9/6

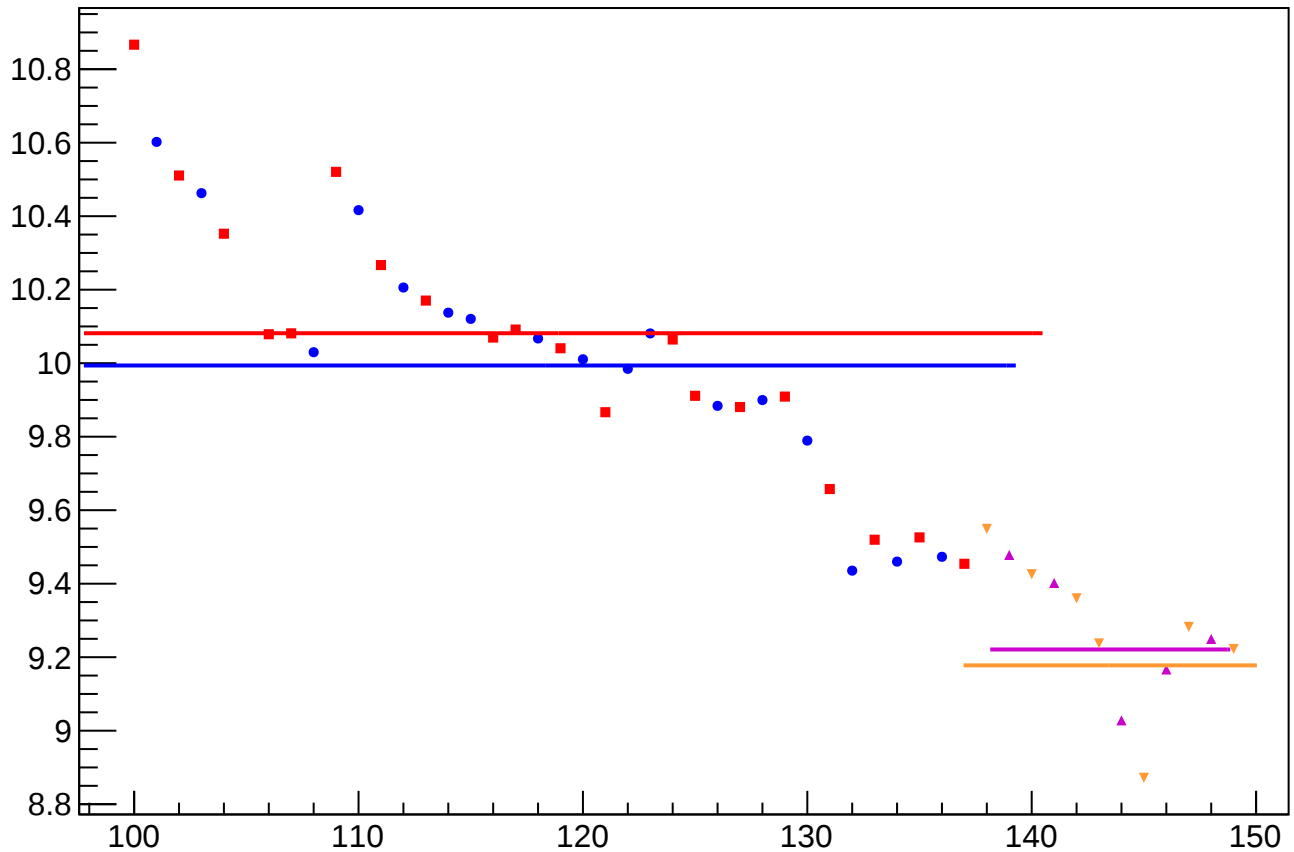
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.002+/-0.000 χ^2/NDF :370349.2/4

0.002+/-0.000 χ^2/NDF : 3281514.0/23

0.002+/-0.000 χ^2/NDF : 2774492.7/24

yield_sam8_mean vs Slug



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.178+/-0.000 χ^2/NDF : 4569758587.9/6

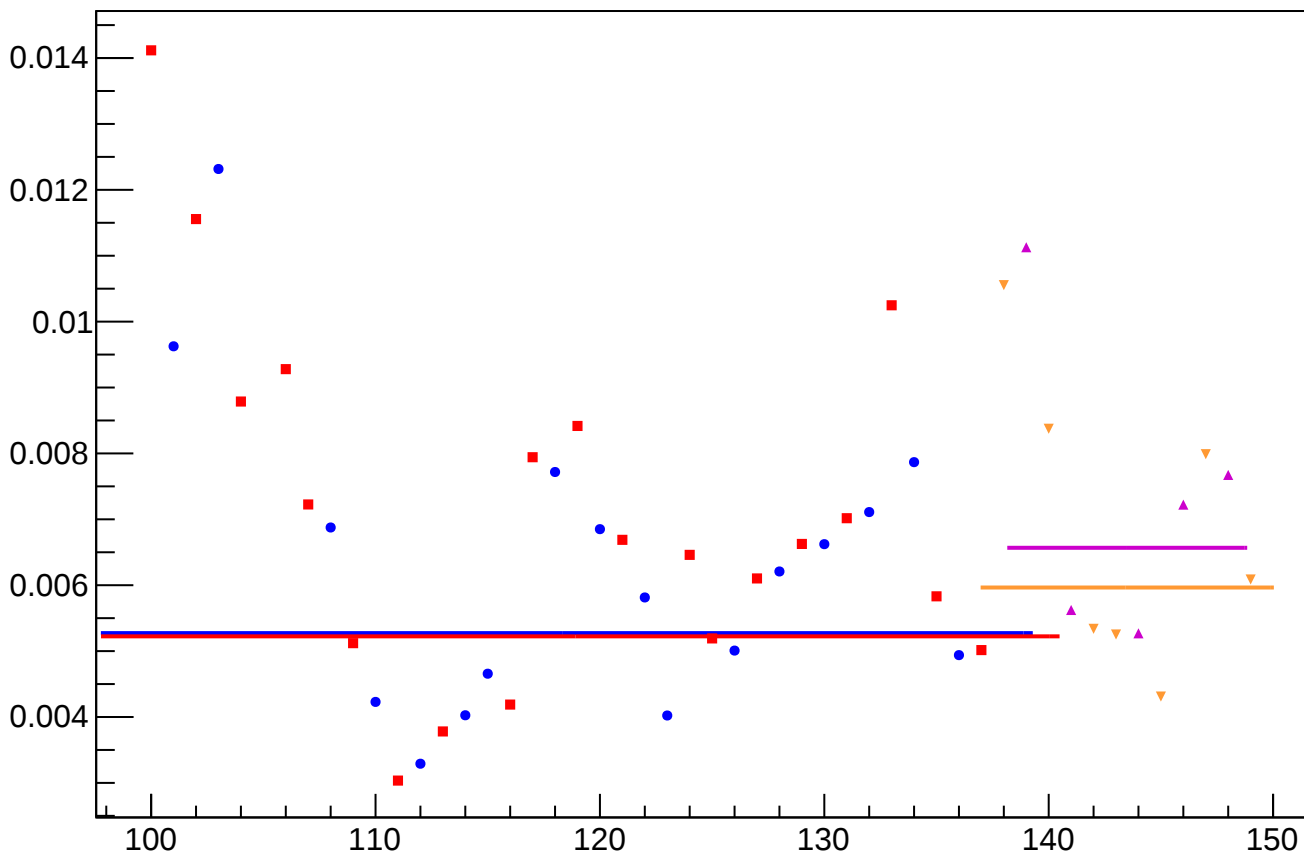
9.700+/-0.000 χ^2/NDF : 66651304693.7/23

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

9.849+/-0.000 χ^2/NDF : 56000211385.5/24

Left In: 9.221+/-0.000 χ^2/NDF : 1858699973.2/4

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 598680.1/6

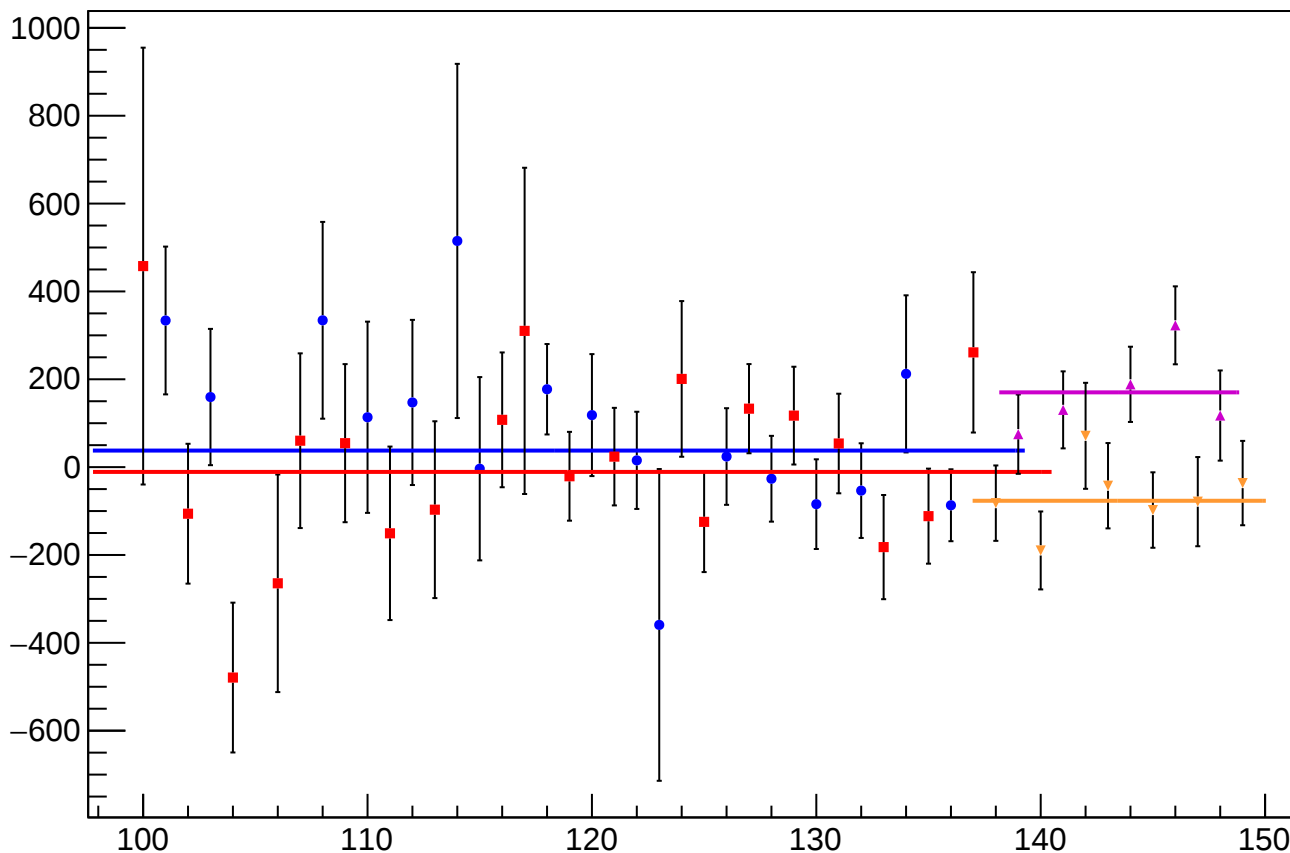
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.007+/-0.000 χ^2/NDF : 378328.2/4

0.006+/-0.000 χ^2/NDF : 1906503.0/23

0.006+/-0.000 χ^2/NDF : 2234340.4/24

reg_asym_sam1_mean vs Slug



Right In: 37.694+/-32.253 χ^2/NDF : 16.7/16

Left Out: -76.592+/-35.841 χ^2/NDF : 3.5/6

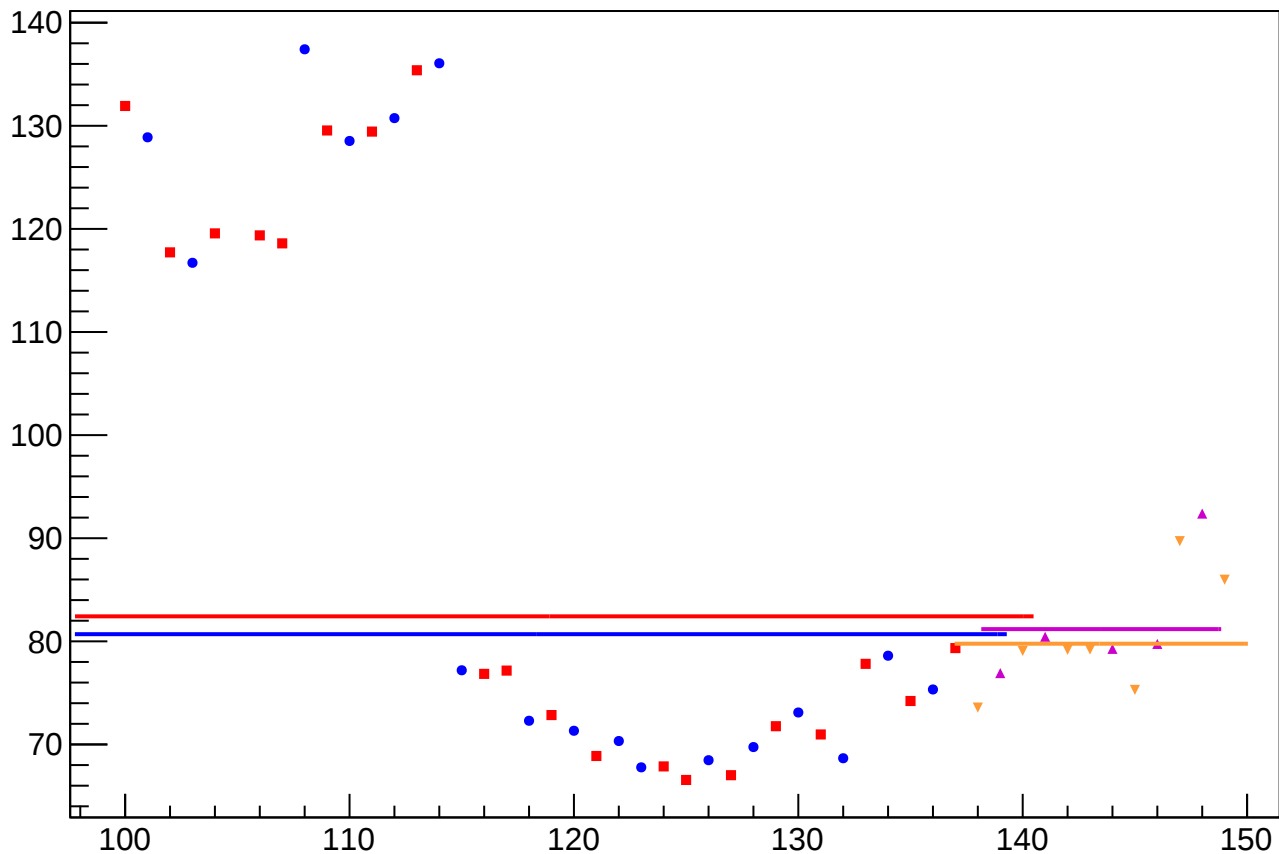
Right Out: -10.884+/-31.947 χ^2/NDF : 23.5/19

Left In: 170.217+/-40.456 χ^2/NDF : 4.6/4

-13.444+/-23.975 χ^2/NDF : 25.8/23

58.675+/-25.072 χ^2/NDF : 40.4/24

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.770 $\pm$ 0.025 χ^2 /NDF: 43647.6/6

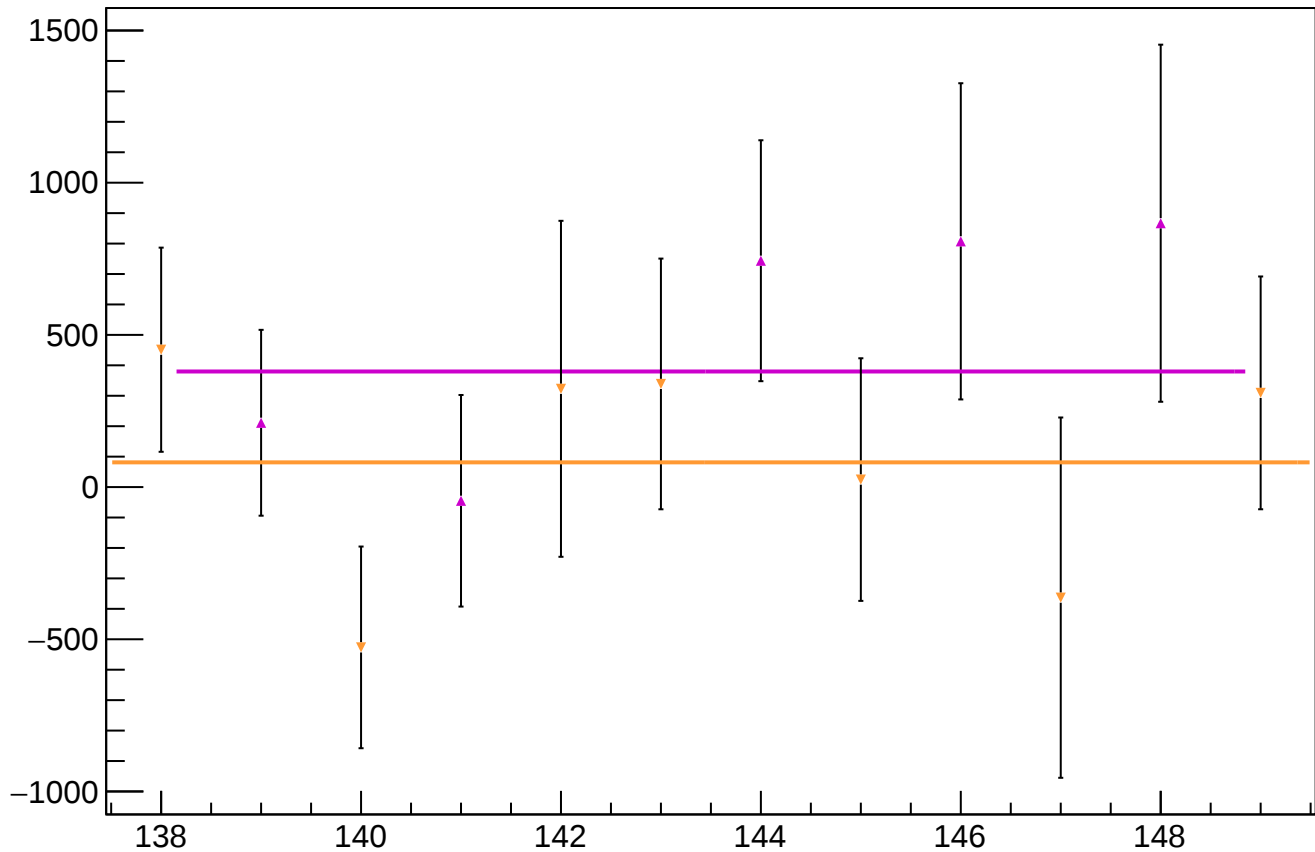
Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

Left In: 81.186 $\pm$ 0.029 χ^2 /NDF: 29959.4/4

80.281 $\pm$ 0.017 χ^2 /NDF: 858409.1/23

81.949 $\pm$ 0.018 χ^2 /NDF: 946395.5/24

asym_sam1_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 81.218+/-152.196 χ^2/NDF : 6.1/6

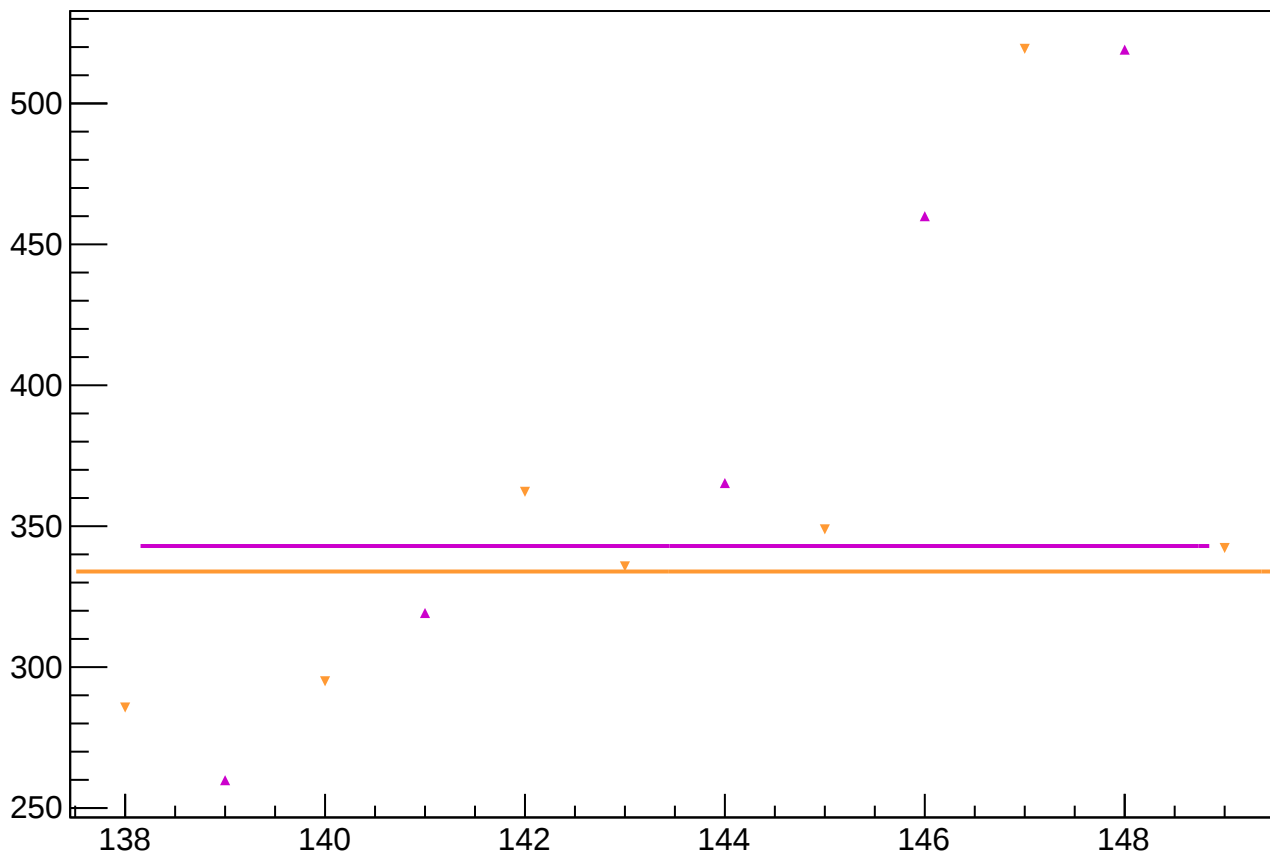
81.218+/-152.196 χ^2/NDF : 6.1/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

379.759+/-176.763 χ^2/NDF : 4.0/4

Left In: 379.759+/-176.763 χ^2/NDF : 4.0/4

asym_sam1_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 333.925+/-0.108 χ^2/NDF : 274467.4/6

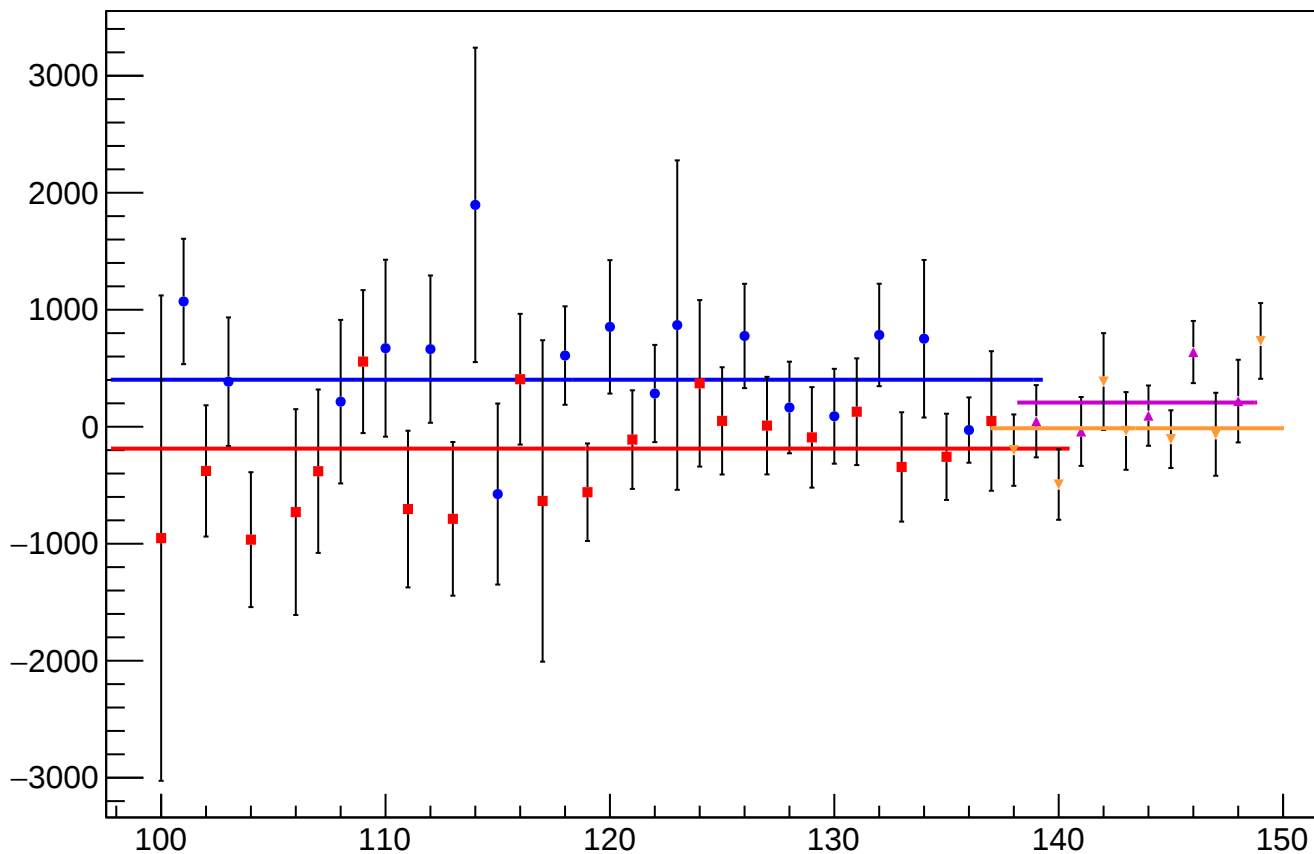
333.925+/-0.108 χ^2/NDF : 274467.4/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

342.973+/-0.125 χ^2/NDF : 445695.3/4

Left In: 342.973+/-0.125 χ^2/NDF : 445695.3/4

reg_asym_sam2_mean vs Slug



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -12.865+/-119.025 χ^2/NDF : 9.3/6

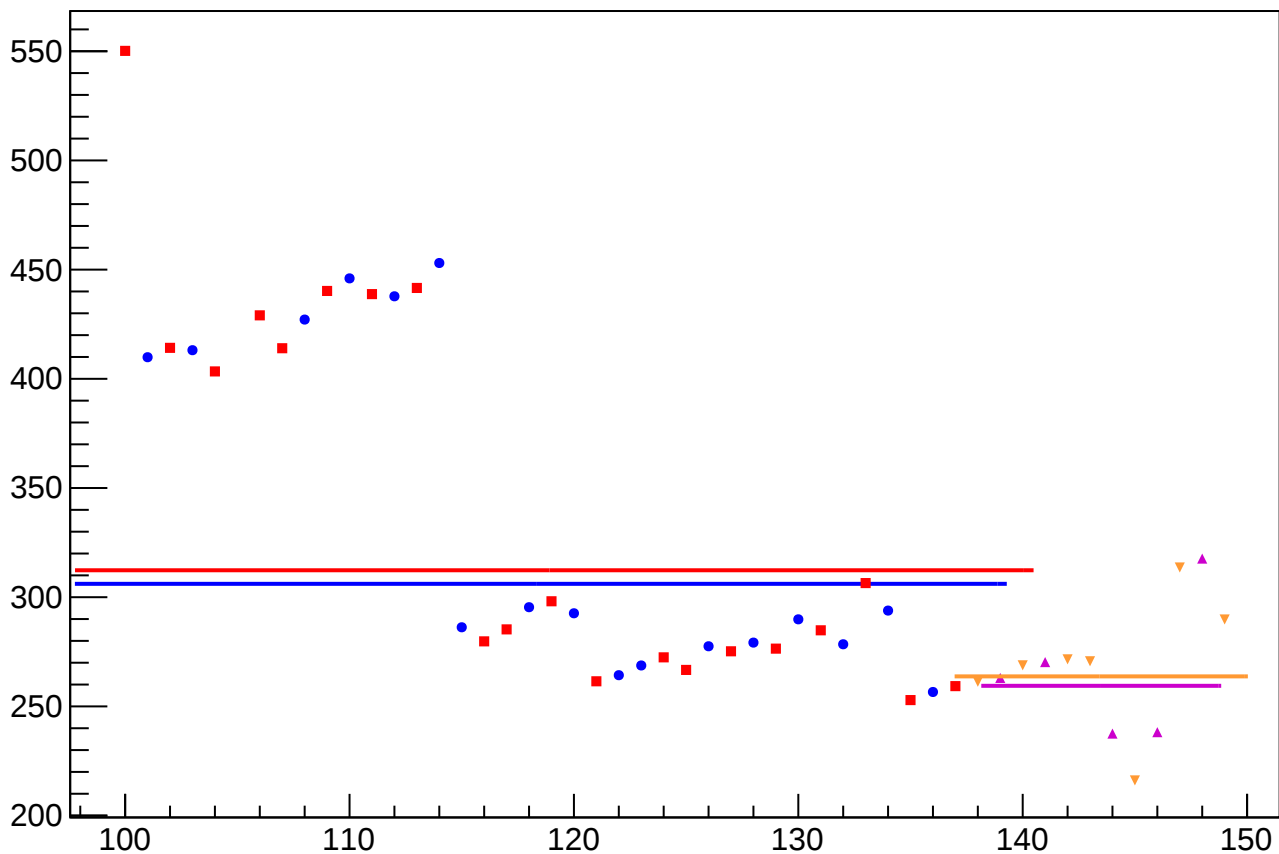
Right Out: -186.914+/-119.879 χ^2/NDF : 9.4/19

Left In: 206.826+/-129.906 χ^2/NDF : 3.8/4

191.010+/-84.869 χ^2/NDF : 26.2/23

-5.825+/-88.099 χ^2/NDF : 18.2/24

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 263.743+/-0.084 χ^2/NDF :129374.6/6

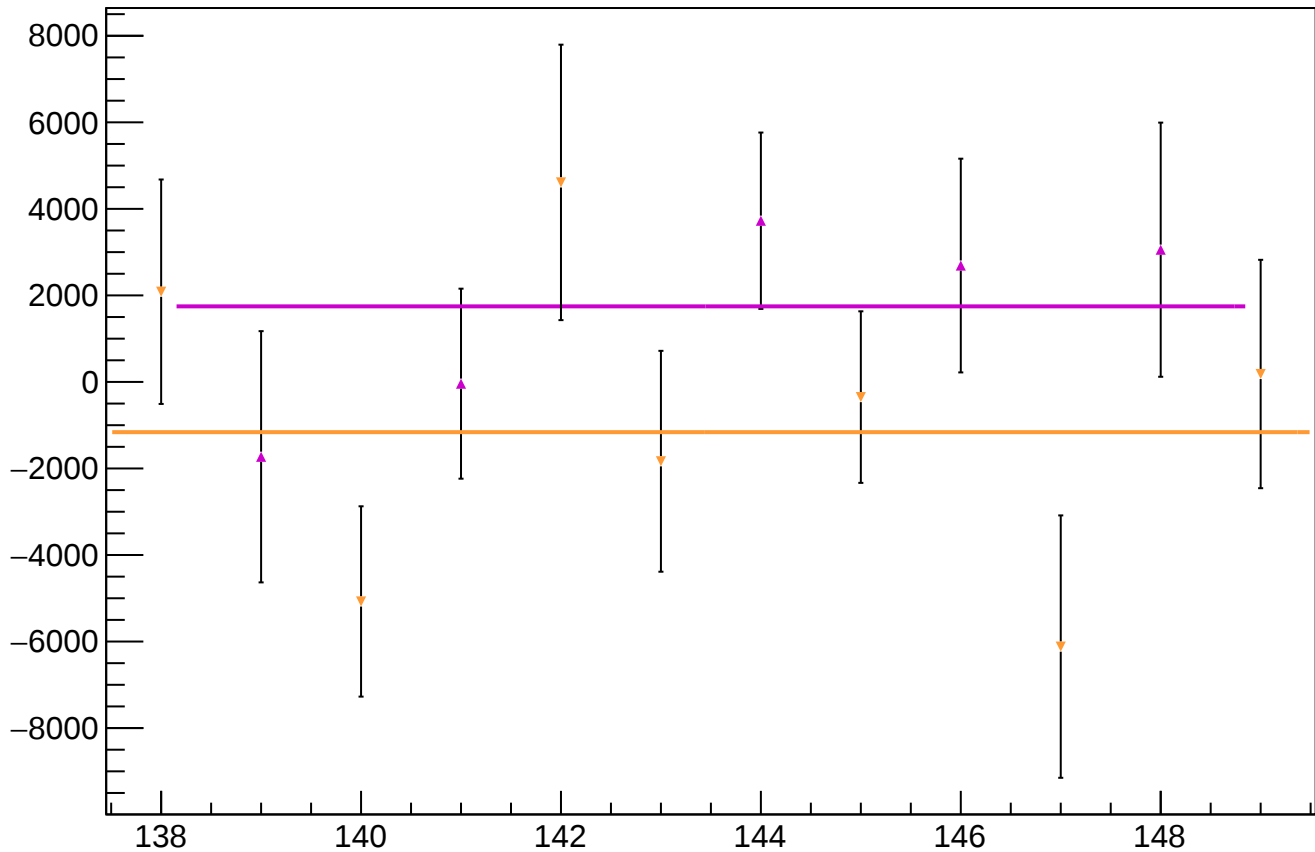
Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

Left In: 259.427+/-0.092 χ^2/NDF :84556.1/4

284.576+/-0.060 χ^2/NDF : 762453.0/23

288.001+/-0.062 χ^2/NDF : 890280.0/24

asym_sam2_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1160.884+/-947.348 χ^2/NDF : 11.2/6

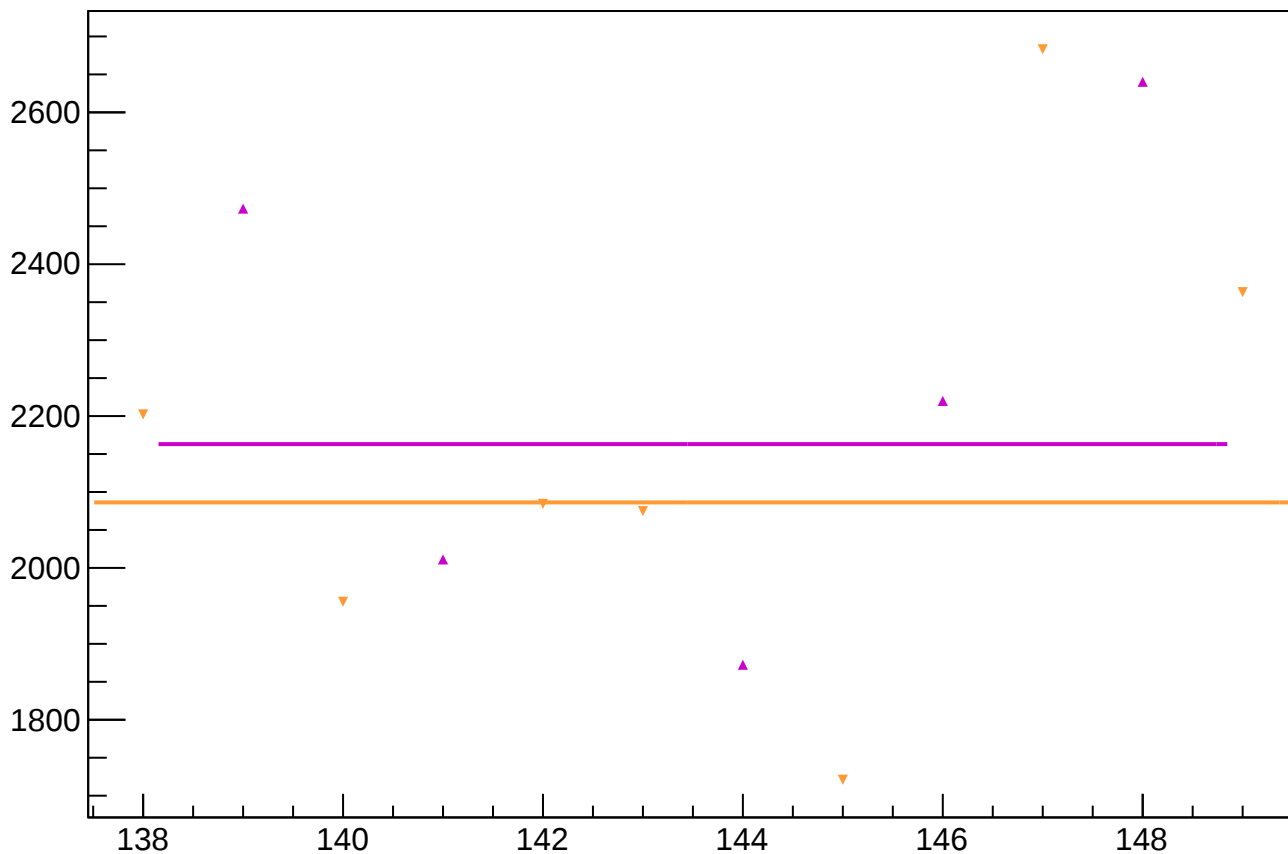
-1160.884+/-947.348 χ^2/NDF : 11.2/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

1746.526+/-1086.788 χ^2/NDF : 3.4/4

Left In: 1746.526+/-1086.788 χ^2/NDF : 3.4/4

asym_sam2_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 2086.260+/-0.670 χ^2/NDF : 178488.1/6

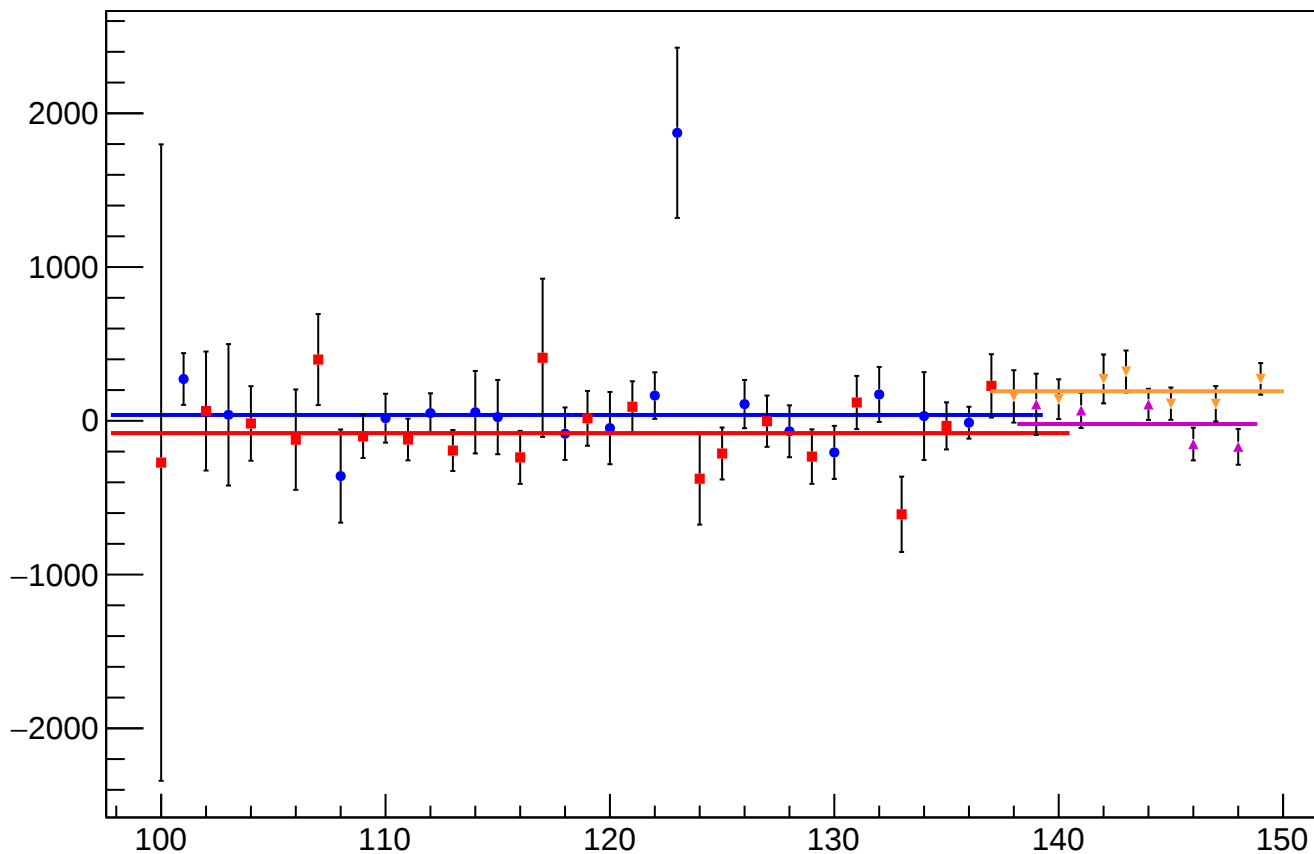
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2163.051+/-0.768 χ^2/NDF : 126929.0/4

2086.260+/-0.670 χ^2/NDF : 178488.1/6

2163.051+/-0.768 χ^2/NDF : 126929.0/4

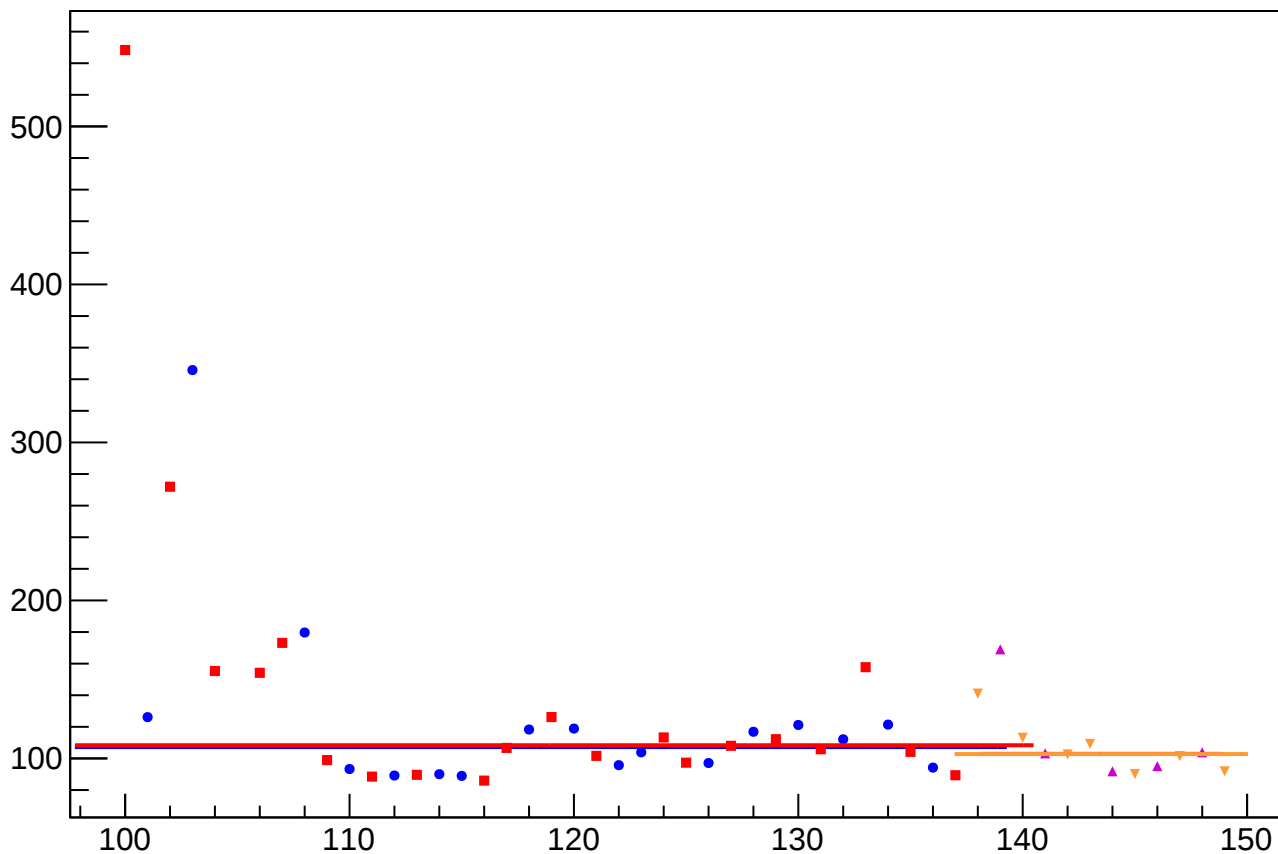
reg_asym_sam3_mean vs Slug



108.987+/-32.013 $\chi^2/\text{NDF}: 28.2/23$

-56.078+/-33.260 $\chi^2/\text{NDF}: 24.1/24$

reg_asym_sam3_rms vs Slug



Right In: 107.189 ± 0.031 χ^2/NDF : 843115.1/16

Left Out: 102.772 ± 0.033 χ^2/NDF : 169815.3/6

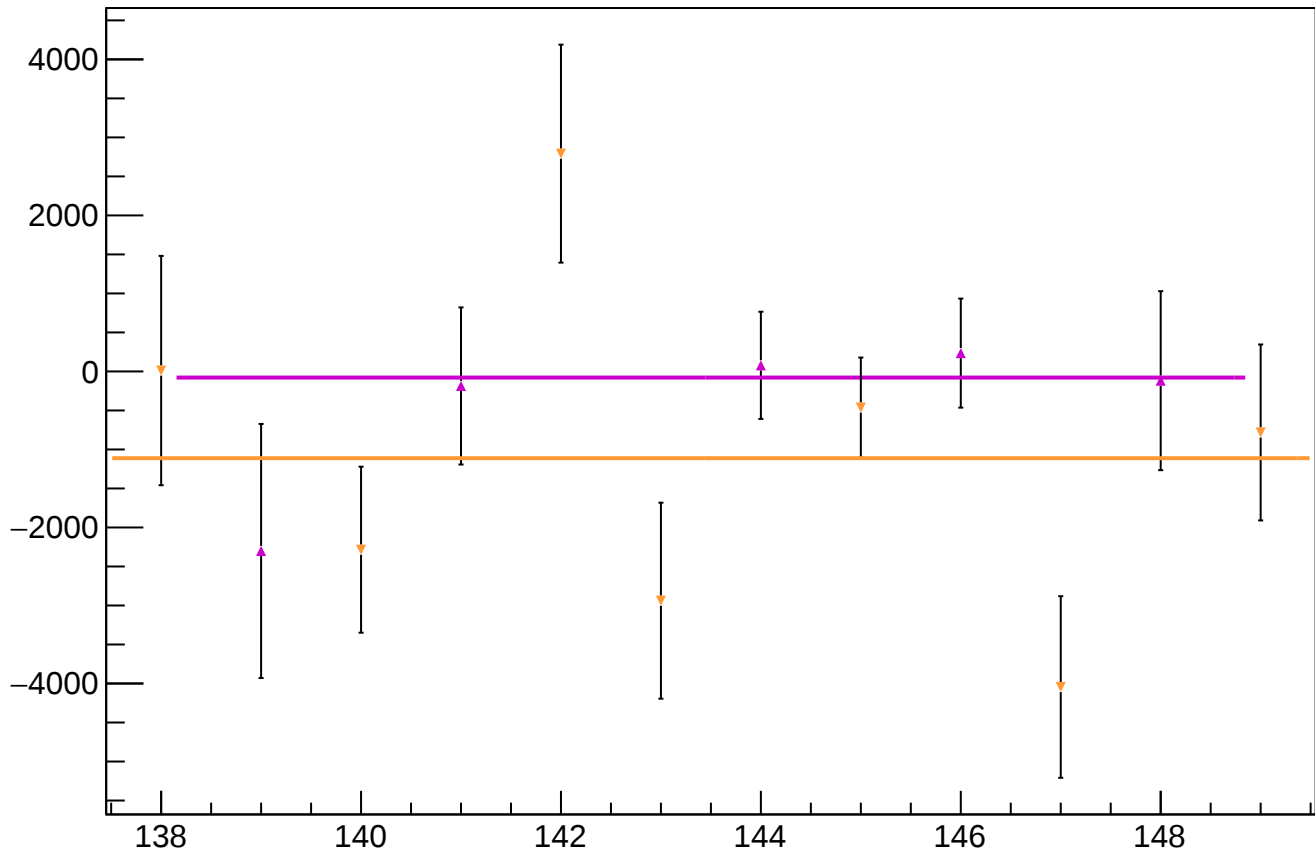
Right Out: 108.347 ± 0.030 χ^2/NDF : 917309.2/19

Left In: 102.892 ± 0.037 χ^2/NDF : 255121.0/4

105.159 ± 0.023 χ^2/NDF : 1022385.4/23

106.164 ± 0.024 χ^2/NDF : 1185343.0/24

asym_sam3_correction_mean vs Slug



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

Left Out: -1111.802 $\pm$ 393.770 χ^2 /NDF:19.2/6

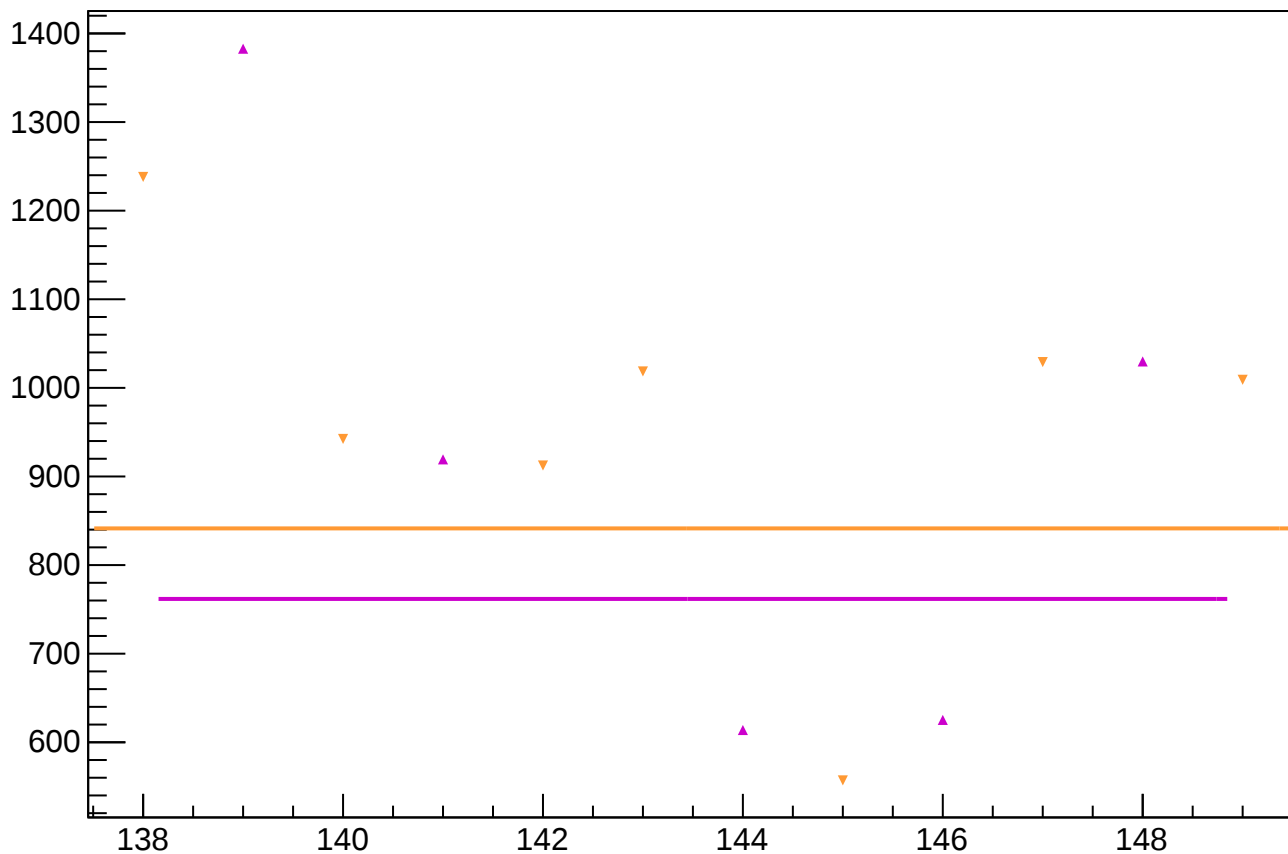
-1111.802 $\pm$ 393.770 χ^2 /NDF: 19.2/6

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

-78.493 $\pm$ 398.692 χ^2 /NDF: 2.1/4

Left In: -78.493 $\pm$ 398.692 χ^2 /NDF:2.1/4

asym_sam3_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 841.393+/-0.278 χ^2/NDF : 698410.1/6

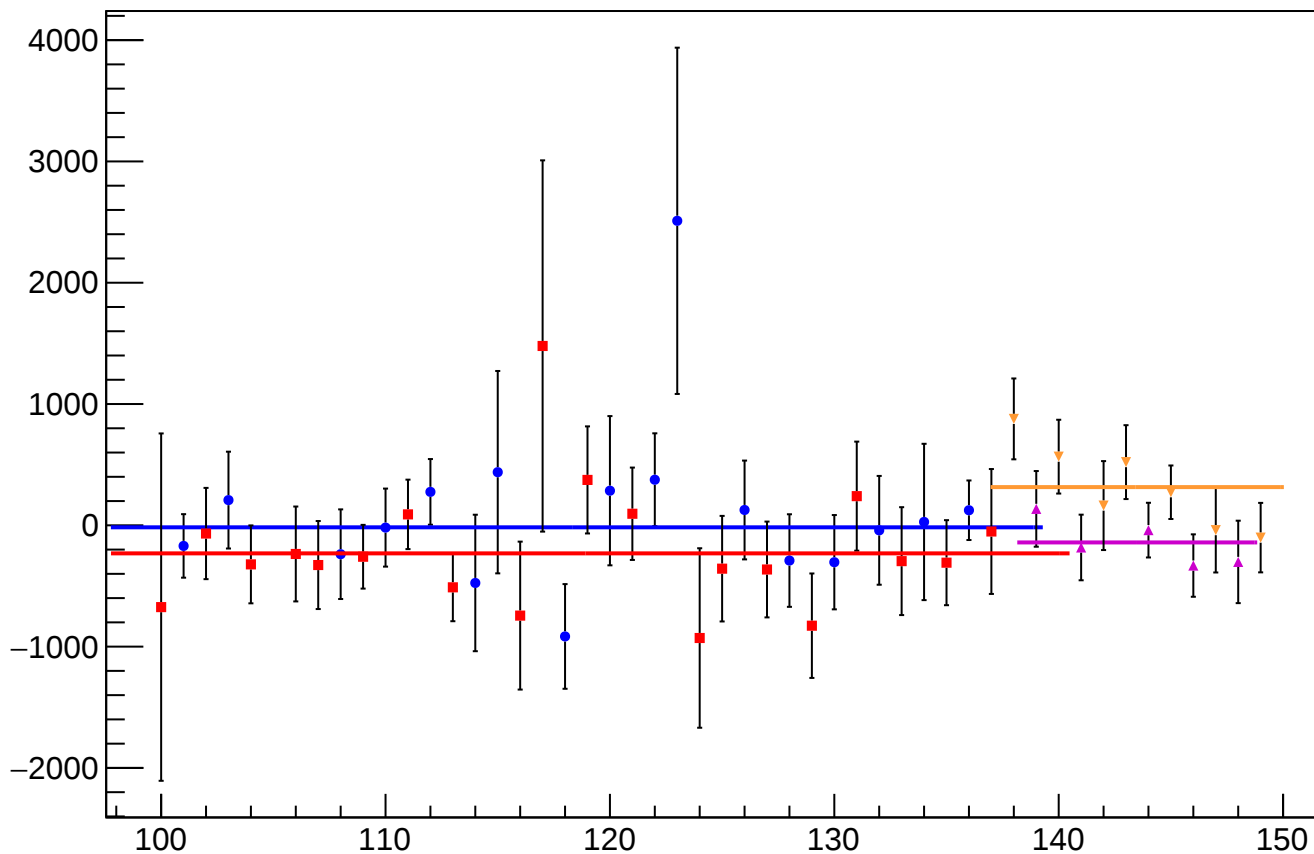
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 761.794+/-0.282 χ^2/NDF : 618120.4/4

841.393+/-0.278 χ^2/NDF : 698410.1/6

761.794+/-0.282 χ^2/NDF : 618120.4/4

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 315.117 ± 112.526 $\chi^2/\text{NDF}: 7.3/6$

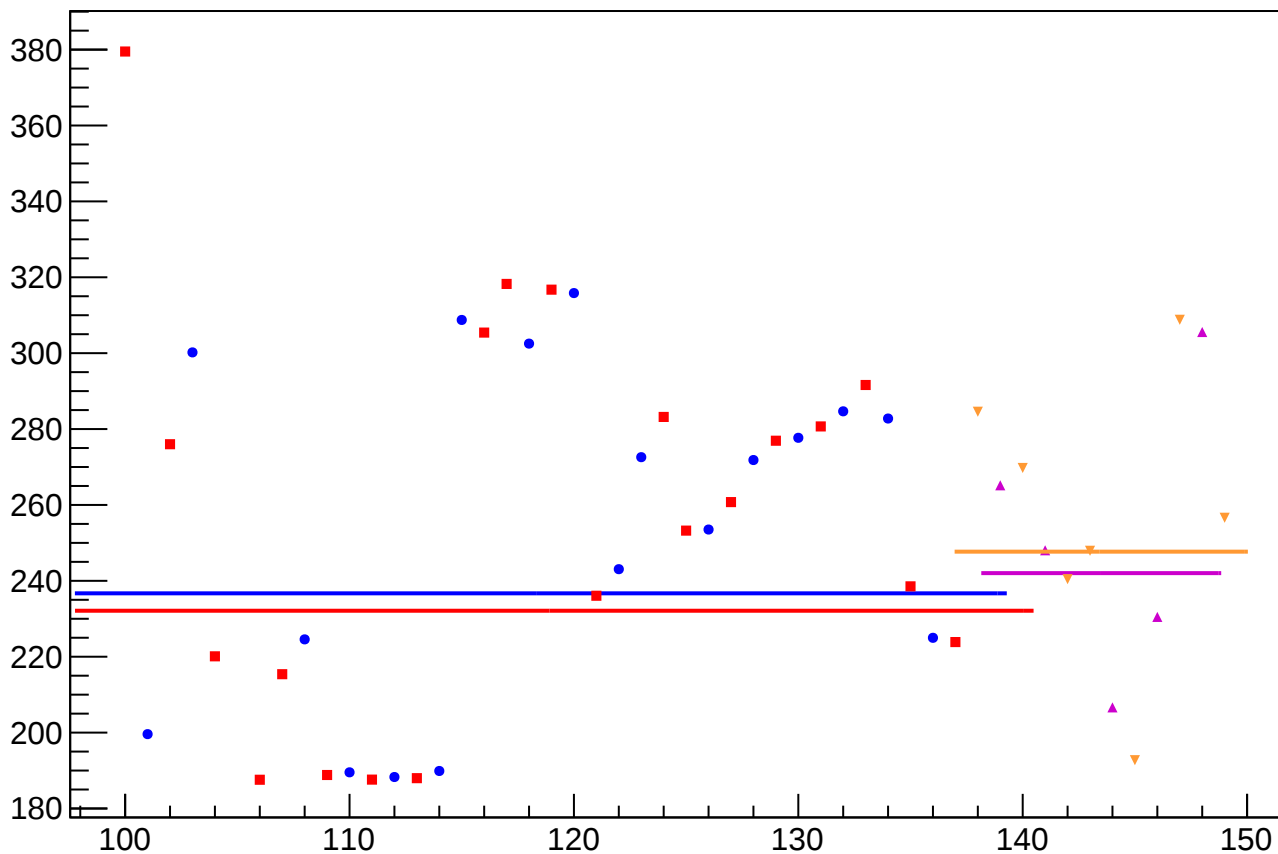
Right Out: -231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

Left In: -141.043 ± 121.829 $\chi^2/\text{NDF}: 1.8/4$

118.598 ± 71.816 $\chi^2/\text{NDF}: 25.9/23$

-199.931 ± 71.754 $\chi^2/\text{NDF}: 13.7/24$

reg_asym_sam4_rms vs Slug



Right In: 236.706 ± 0.066 χ^2/NDF : 390344.9/16

Left Out: 247.689 ± 0.080 χ^2/NDF : 223169.9/6

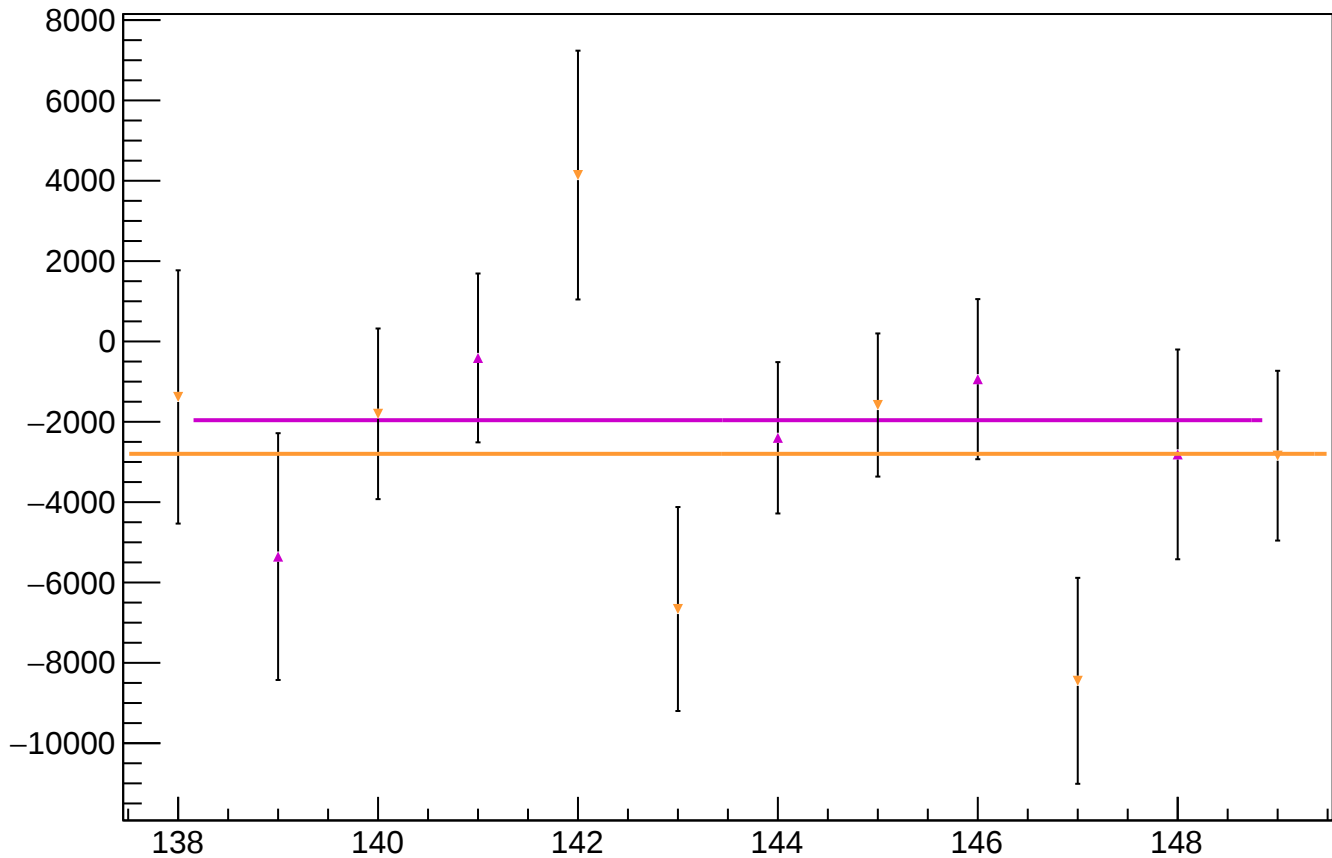
Right Out: 232.119 ± 0.063 χ^2/NDF : 449633.1/19

Left In: 242.030 ± 0.086 χ^2/NDF : 135199.0/4

241.180 ± 0.051 χ^2/NDF : 624806.9/23

235.557 ± 0.051 χ^2/NDF : 593477.4/24

asym_sam4_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2797.133+/-886.306 χ^2/NDF : 13.1/6

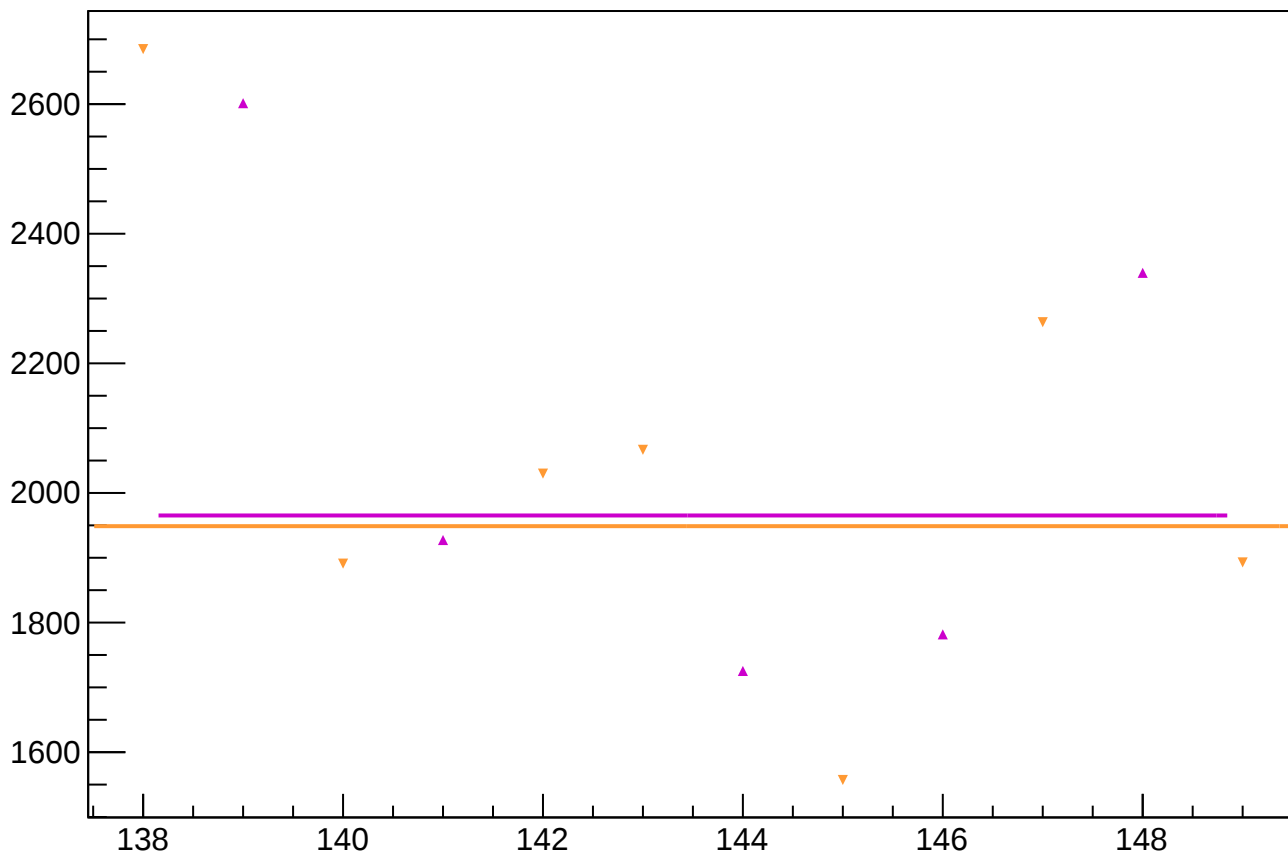
-2797.133+/-886.306 χ^2/NDF : 13.1/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1960.043+/-993.669 χ^2/NDF : 2.2/4

Left In: -1960.043+/-993.669 χ^2/NDF : 2.2/4

asym_sam4_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1948.749+/-0.627 χ^2/NDF : 244420.7/6

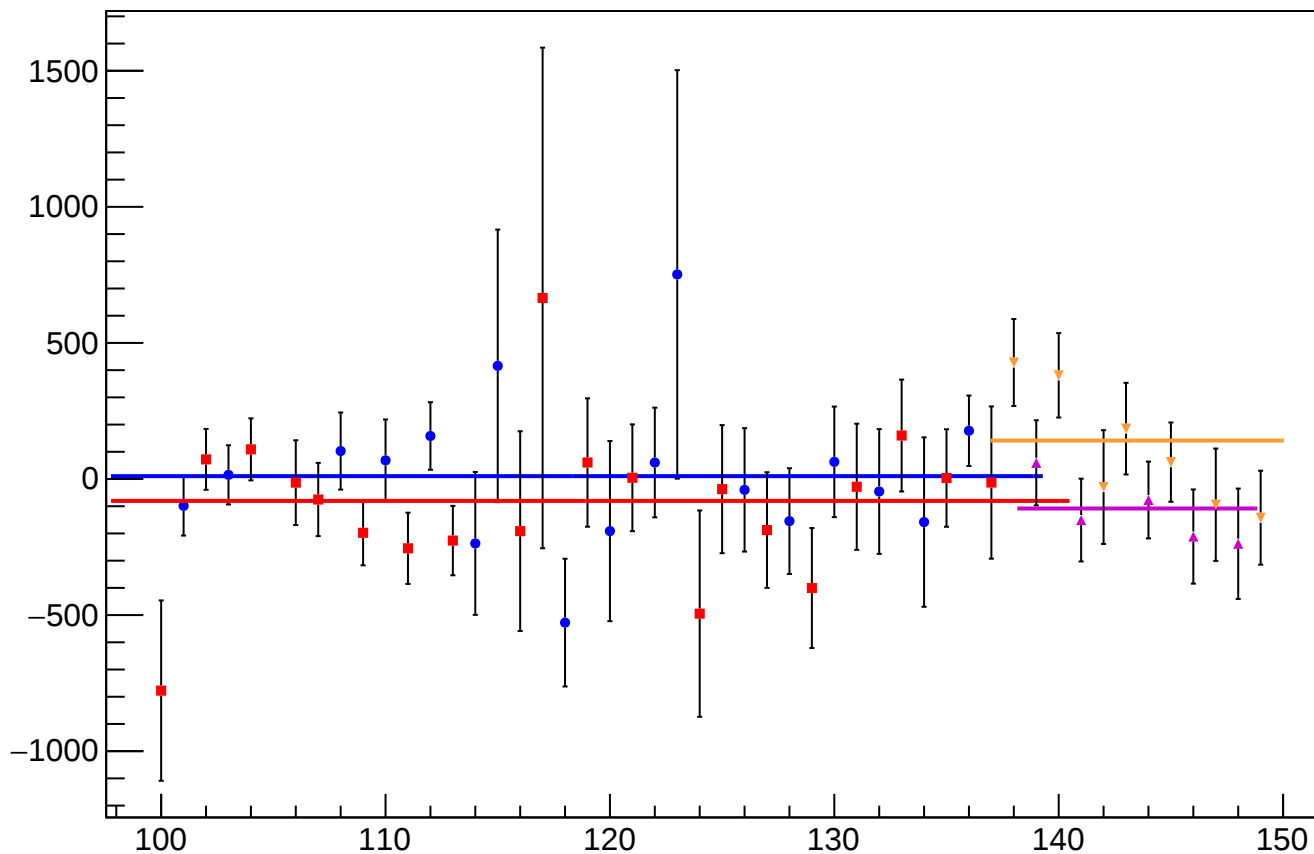
1948.749+/-0.627 χ^2/NDF : 244420.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

1965.257+/-0.703 χ^2/NDF : 176979.0/4

Left In: 1965.257+/-0.703 χ^2/NDF : 176979.0/4

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 $\chi^2/\text{NDF}: 14.1/16$

Left Out: 141.445 ± 64.156 $\chi^2/\text{NDF}: 10.6/6$

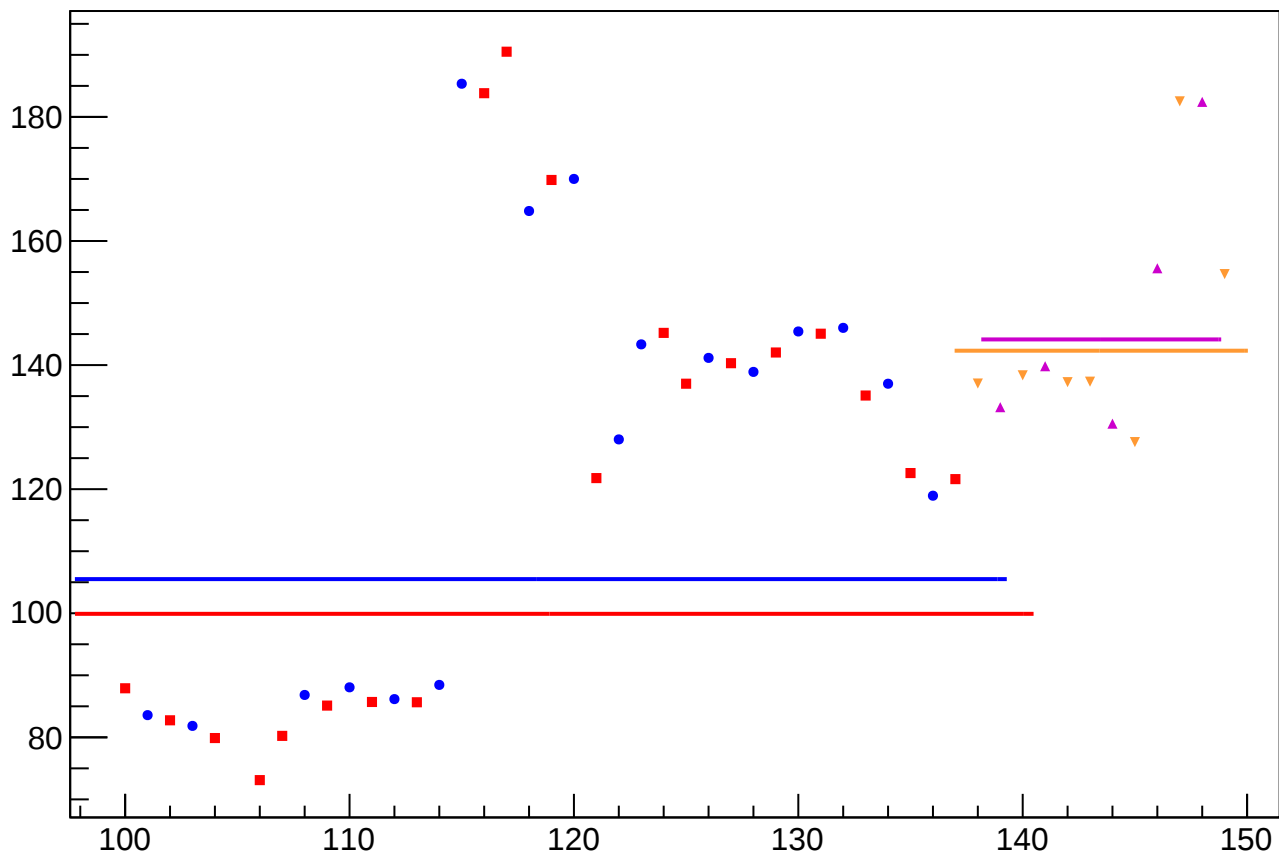
Right Out: -80.462 ± 38.950 $\chi^2/\text{NDF}: 19.9/19$

Left In: -108.364 ± 72.173 $\chi^2/\text{NDF}: 2.0/4$

50.190 ± 35.312 $\chi^2/\text{NDF}: 27.6/23$

-86.755 ± 34.277 $\chi^2/\text{NDF}: 22.0/24$

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 142.319+/-0.045 χ^2/NDF :112946.3/6

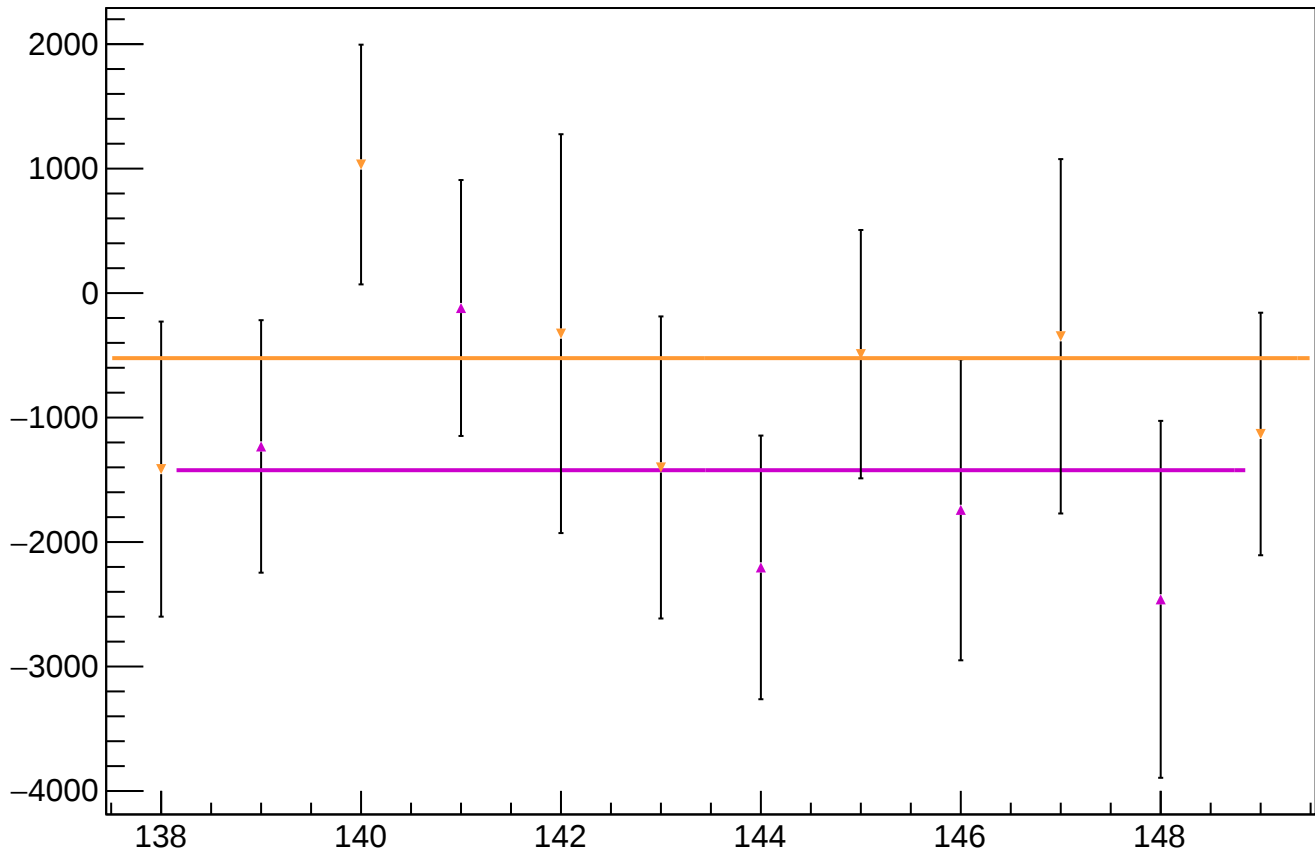
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 144.136+/-0.051 χ^2/NDF :109973.5/4

116.656+/-0.025 χ^2/NDF : 1441057.0/23

109.883+/-0.024 χ^2/NDF : 1711201.4/24

asym_sam5_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -522.657+/-429.882 χ^2/NDF : 4.1/6

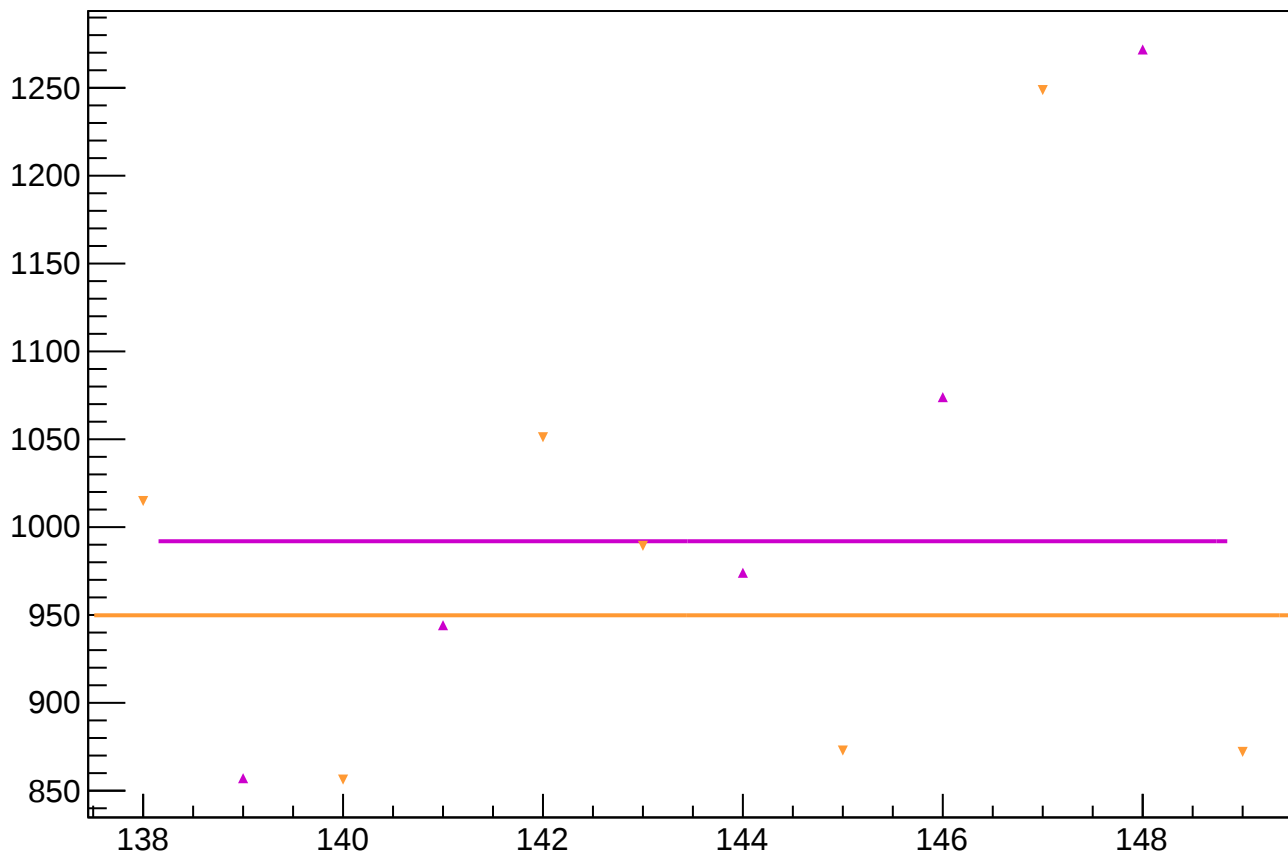
-522.657+/-429.882 χ^2/NDF : 4.1/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1422.863+/-501.214 χ^2/NDF : 2.8/4

Left In: -1422.863+/-501.214 χ^2/NDF : 2.8/4

asym_sam5_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 949.825+/-0.304 χ^2/NDF : 147827.7/6

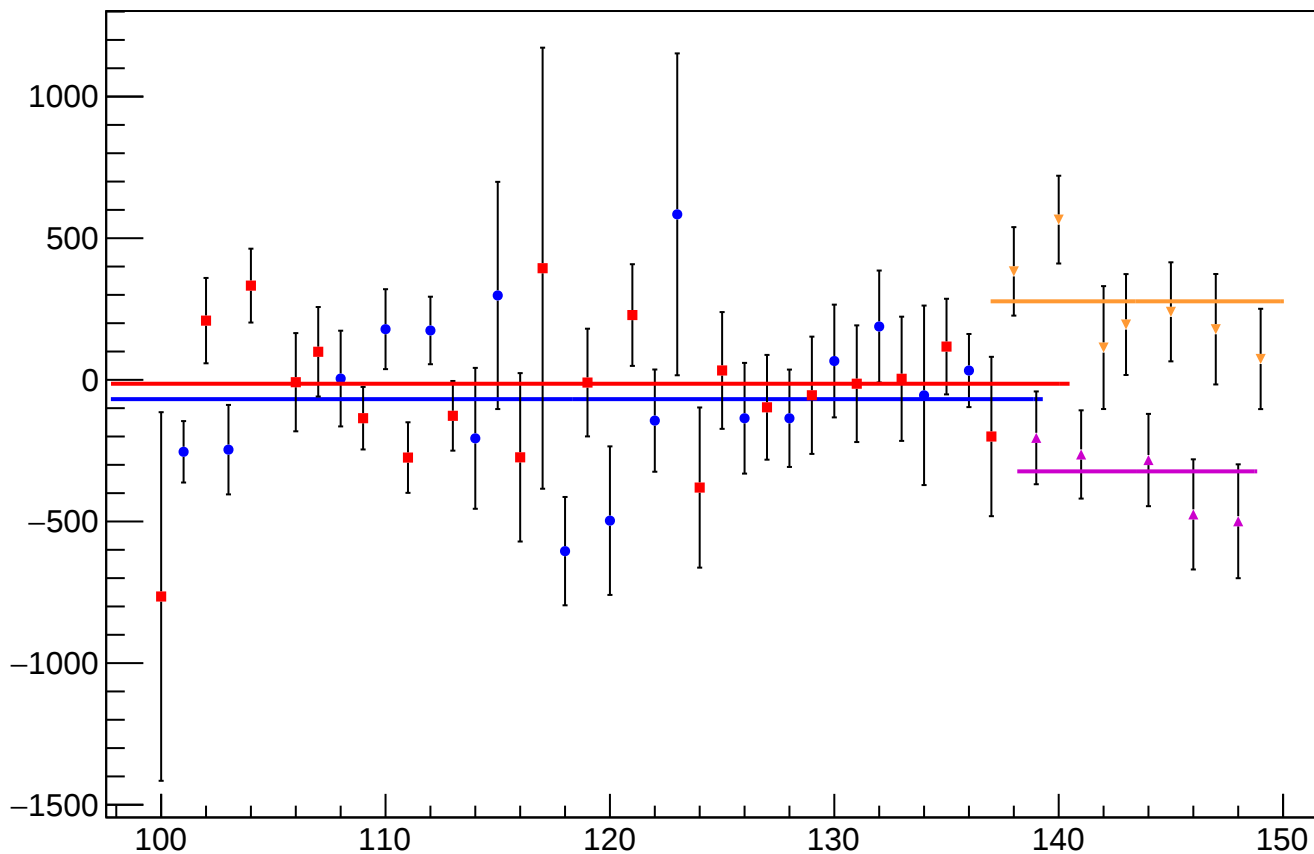
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 991.967+/-0.354 χ^2/NDF : 125670.1/4

949.825+/-0.304 χ^2/NDF : 147827.7/6

991.967+/-0.354 χ^2/NDF : 125670.1/4

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 277.215 ± 66.469 χ^2/NDF : 6.3/6

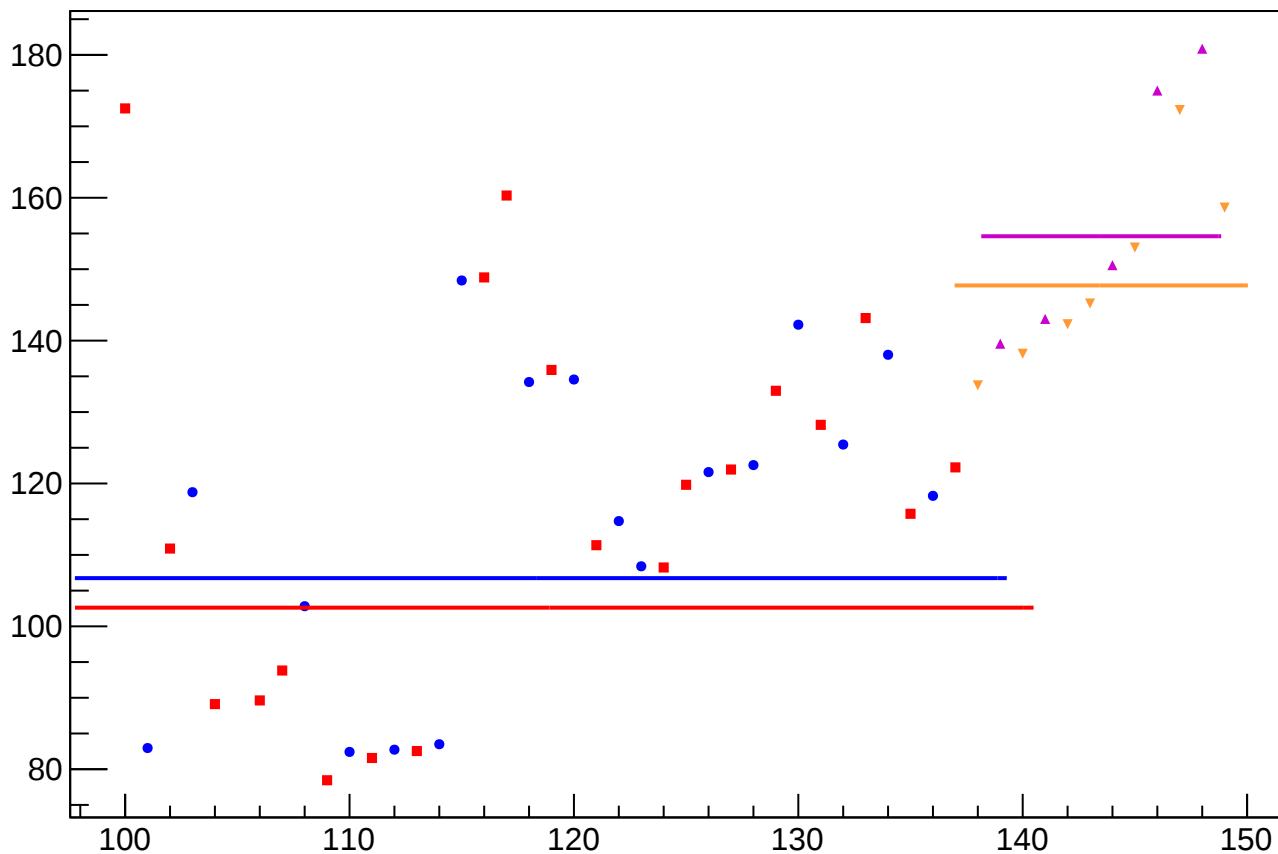
Right Out: -13.752 ± 39.416 χ^2/NDF : 23.4/19

Left In: -323.088 ± 77.304 χ^2/NDF : 2.1/4

31.314 ± 35.666 χ^2/NDF : 53.4/23

-77.579 ± 35.115 χ^2/NDF : 38.2/24

reg_asym_sam6_rms vs Slug



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 147.726+/-0.047 χ^2/NDF : 66460.3/6

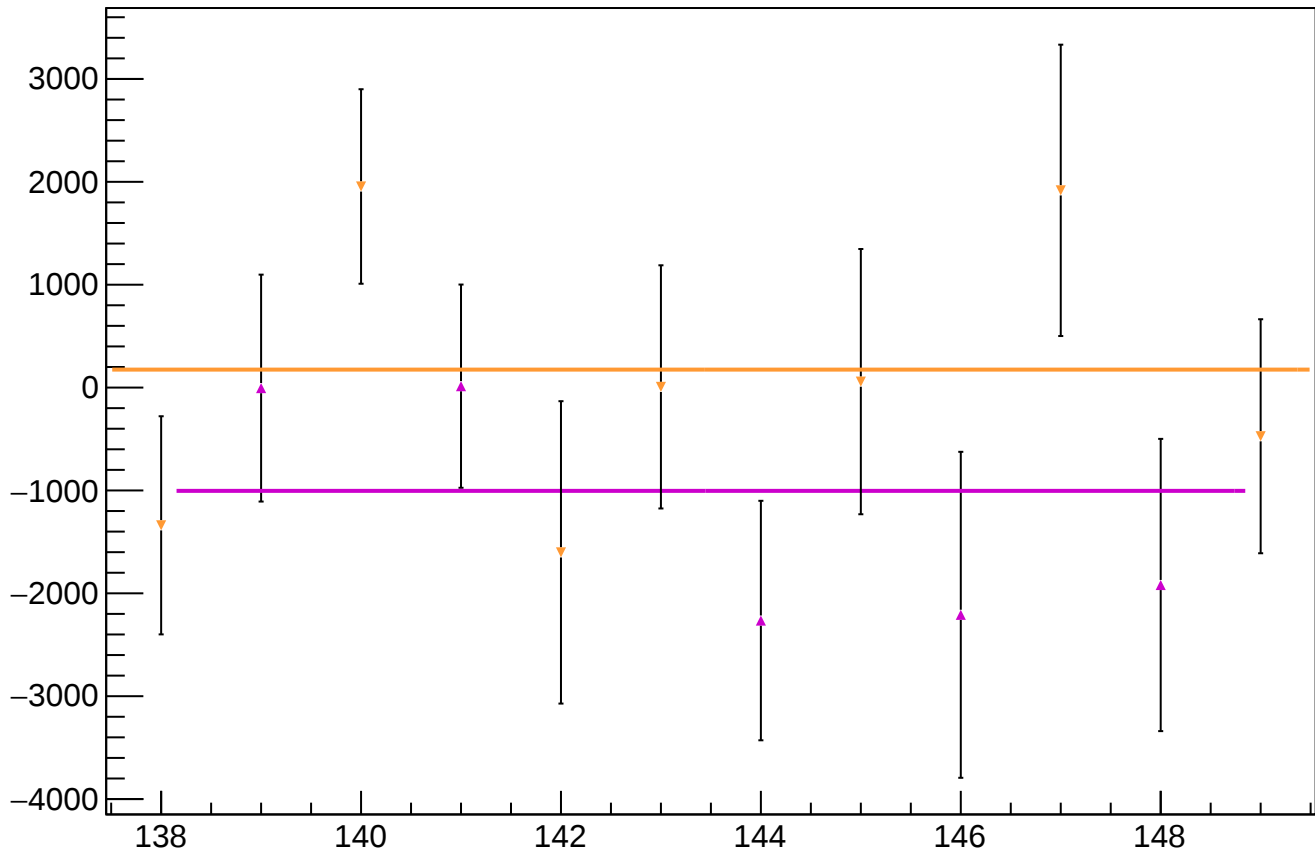
Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

Left In: 154.612+/-0.055 χ^2/NDF : 85277.8/4

118.547+/-0.025 χ^2/NDF : 1109459.0/23

113.344+/-0.025 χ^2/NDF : 1403783.7/24

asym_sam6_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 174.692+/-444.533 χ^2/NDF : 8.9/6

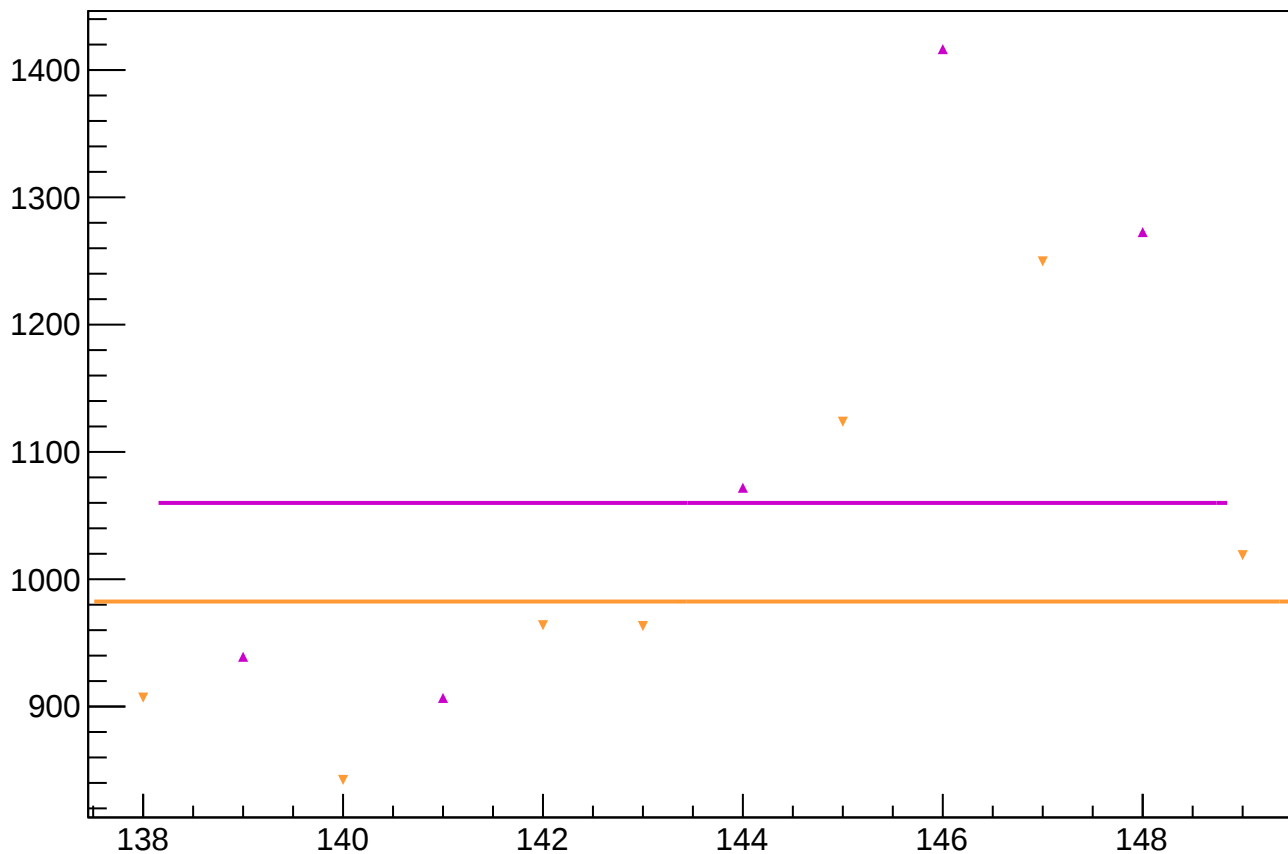
174.692+/-444.533 χ^2/NDF : 8.9/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1003.992+/-536.136 χ^2/NDF : 4.0/4

Left In: -1003.992+/-536.136 χ^2/NDF : 4.0/4

asym_sam6_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 982.487+/-0.314 χ^2/NDF : 152189.5/6

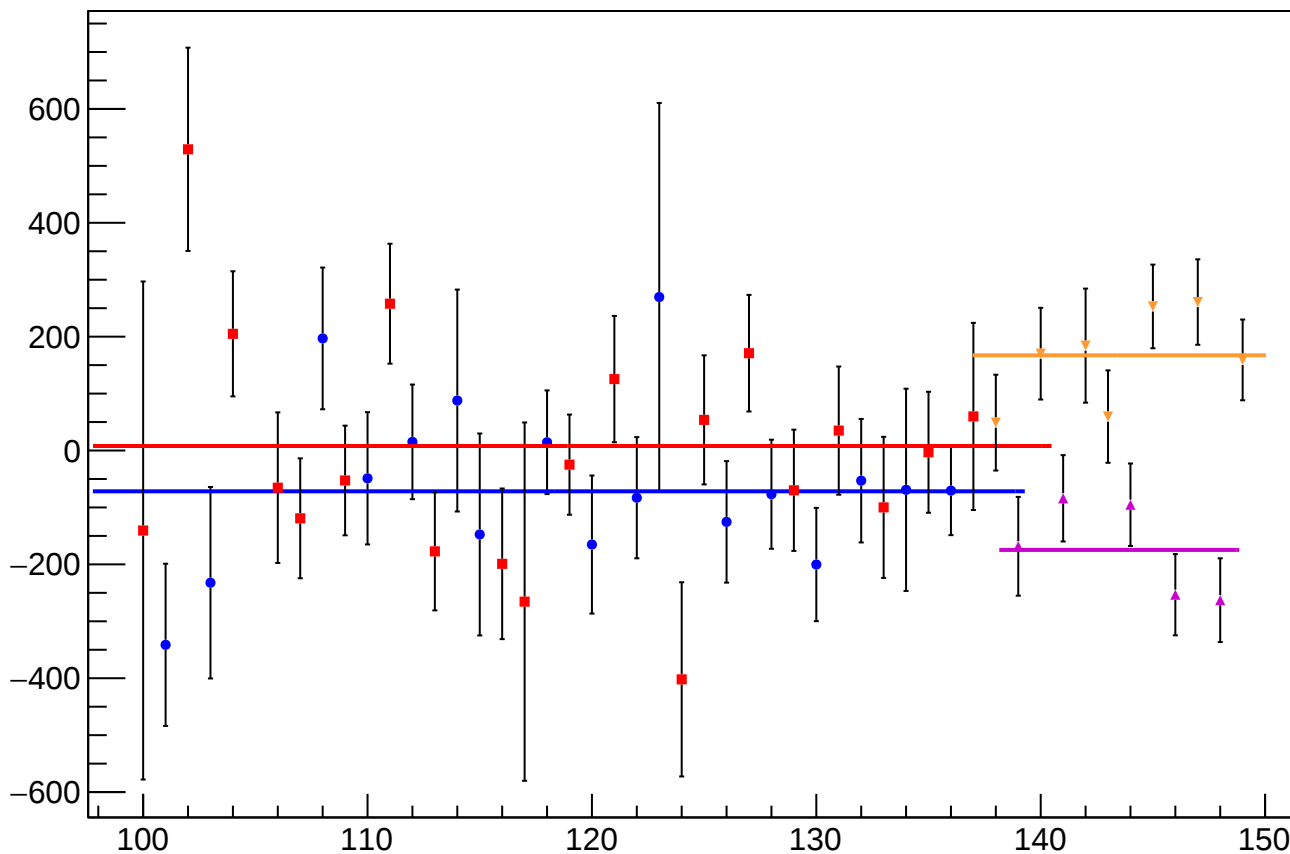
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1059.954+/-0.379 χ^2/NDF : 218423.6/4

982.487+/-0.314 χ^2/NDF : 152189.5/6

1059.954+/-0.379 χ^2/NDF : 218423.6/4

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 167.247 ± 30.038 $\chi^2/\text{NDF}: 6.7/6$

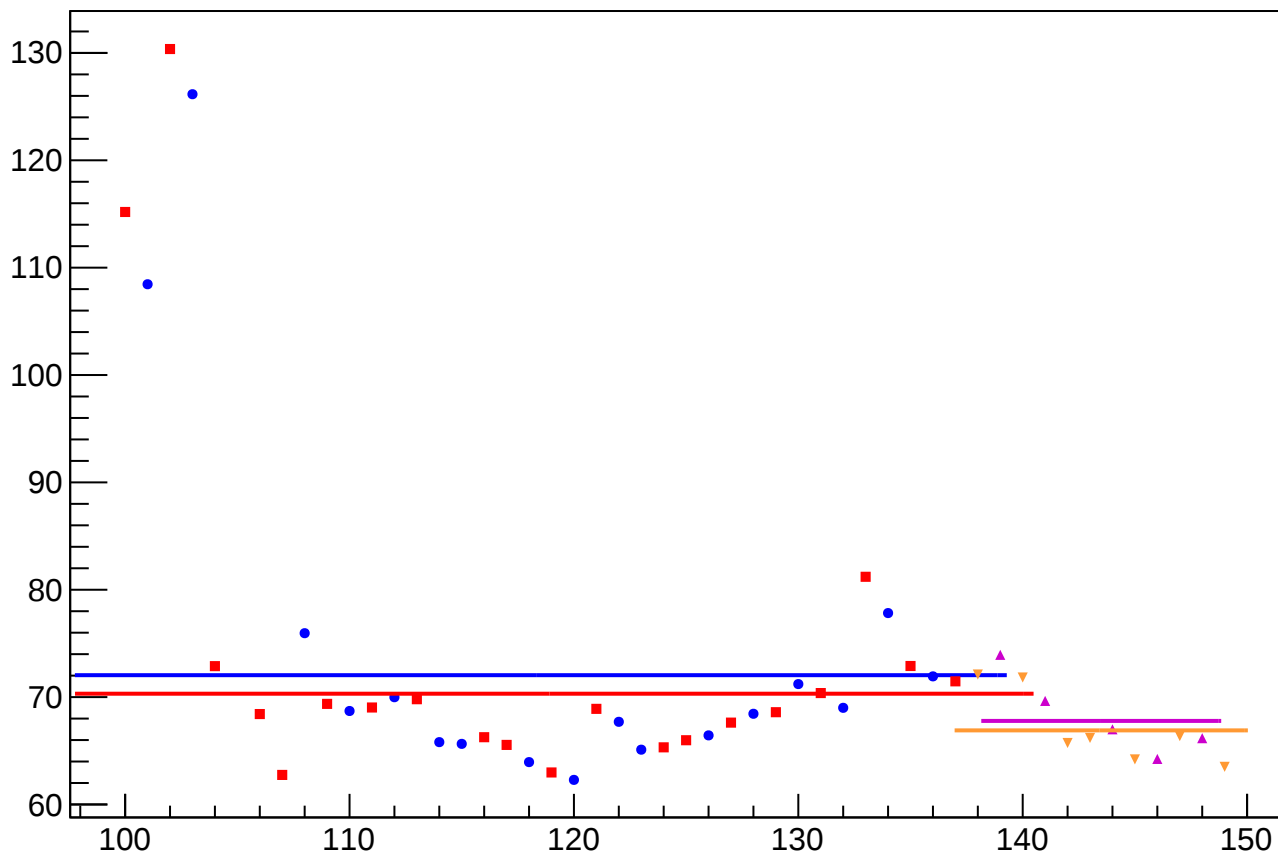
Right Out: 7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

Left In: -174.626 ± 33.738 $\chi^2/\text{NDF}: 5.3/4$

40.923 ± 20.620 $\chi^2/\text{NDF}: 55.4/23$

-62.435 ± 20.946 $\chi^2/\text{NDF}: 60.5/24$

reg_asym_sam7_rms vs Slug



Right In: 72.042 ± 0.020 χ^2/NDF : 391971.7/16

Left Out: 66.900 ± 0.021 χ^2/NDF : 22946.8/6

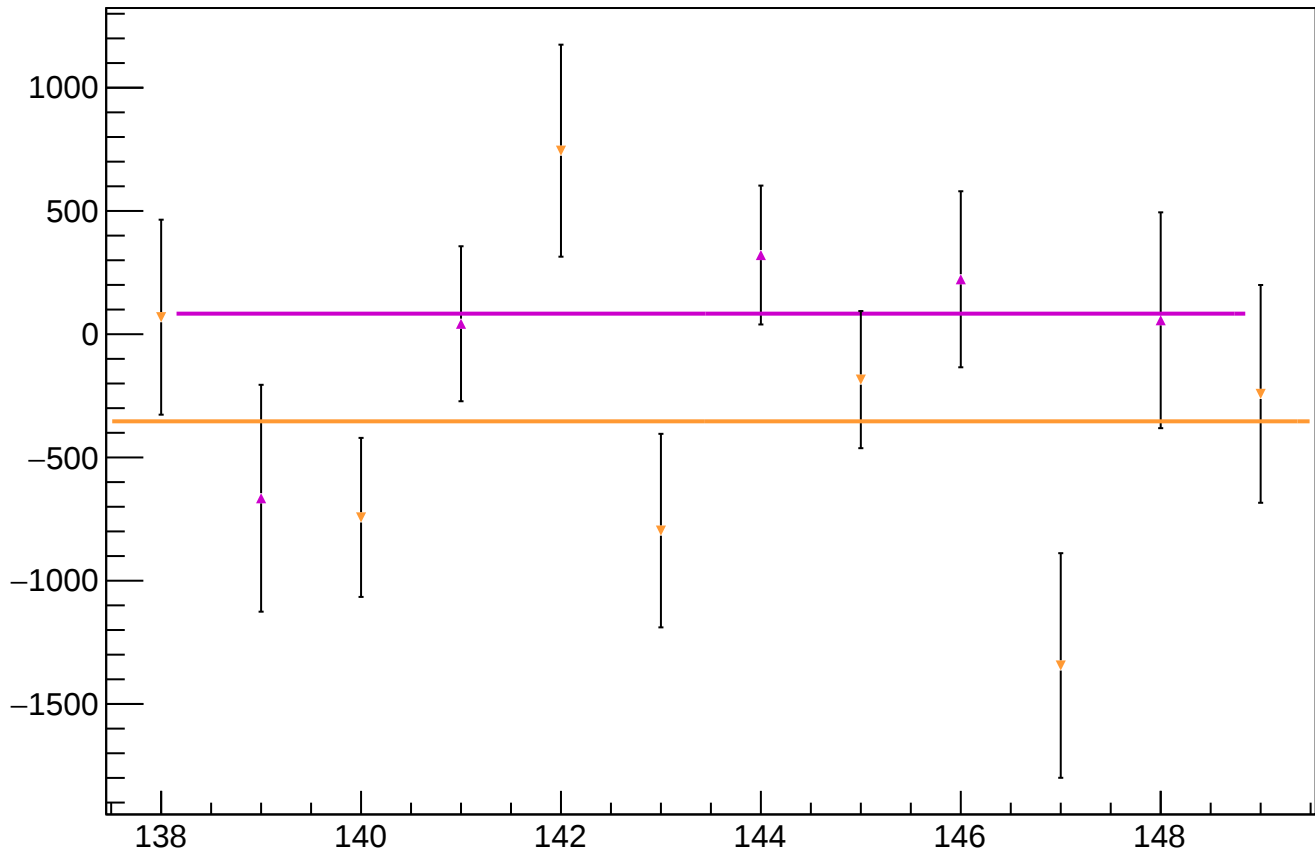
Right Out: 70.316 ± 0.019 χ^2/NDF : 299468.0/19

Left In: 67.782 ± 0.024 χ^2/NDF : 17379.3/4

69.619 ± 0.015 χ^2/NDF : 445906.8/23

69.340 ± 0.015 χ^2/NDF : 323781.4/24

asym_sam7_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -353.415+/-140.353 χ^2/NDF : 15.6/6

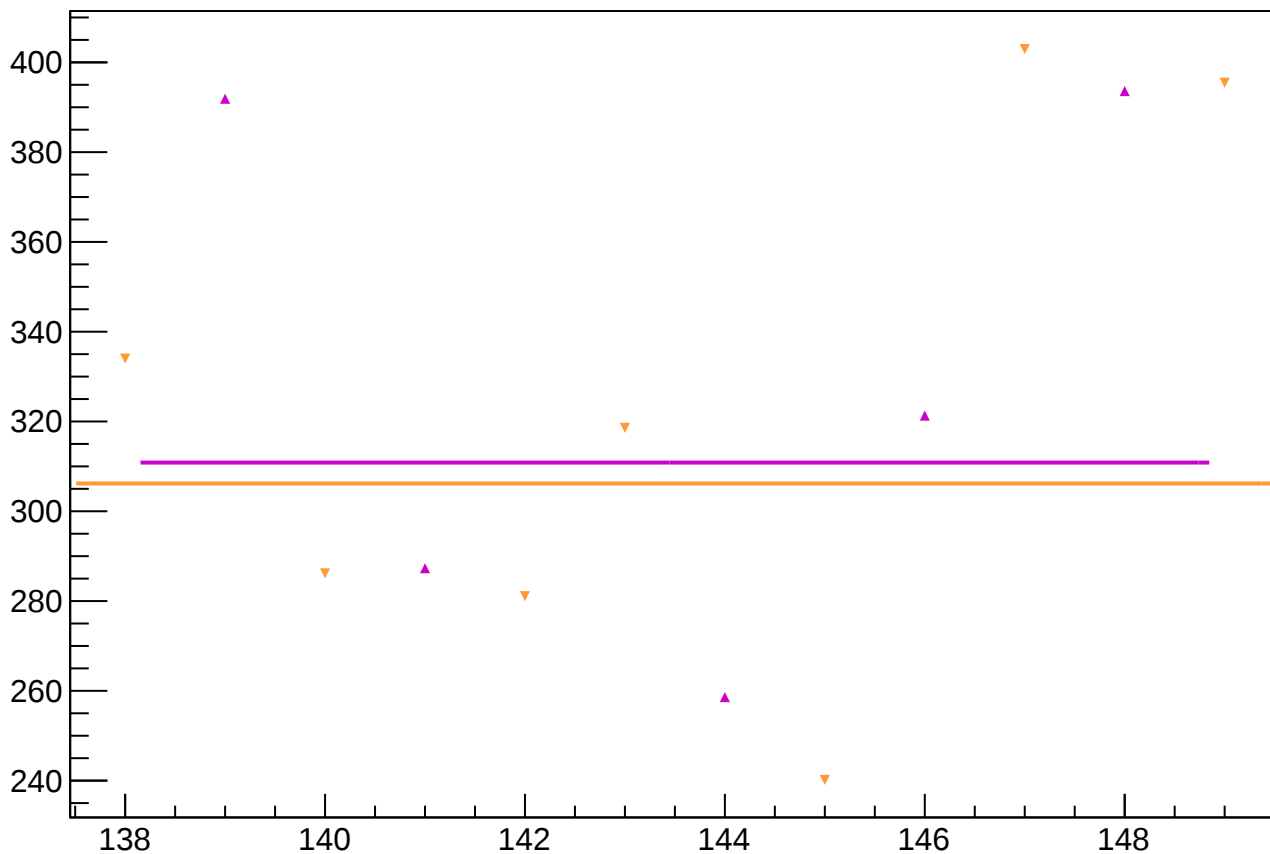
-353.415+/-140.353 χ^2/NDF : 15.6/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

83.395+/-157.129 χ^2/NDF : 3.5/4

Left In: 83.395+/-157.129 χ^2/NDF : 3.5/4

asym_sam7_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 306.195+/-0.099 χ^2/NDF : 310988.8/6

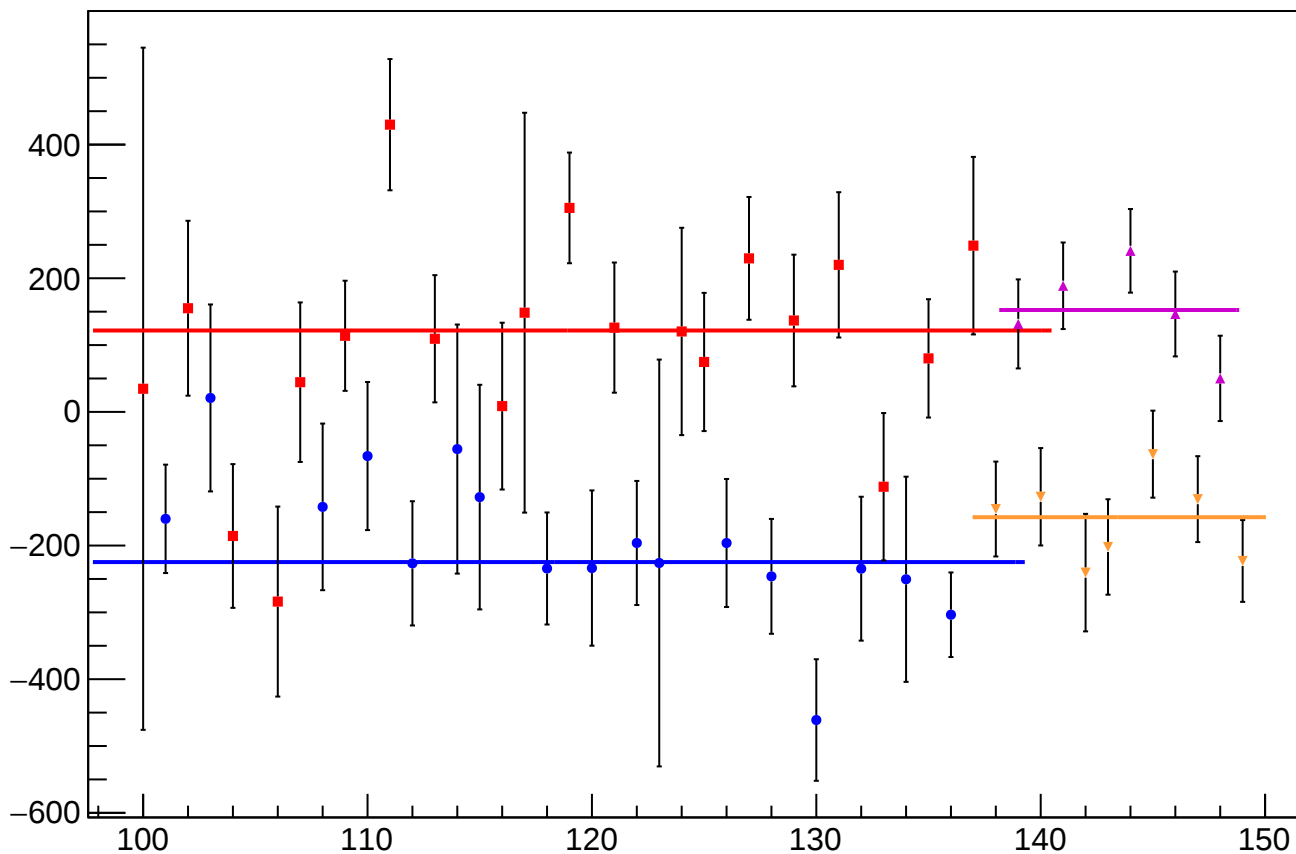
306.195+/-0.099 χ^2/NDF : 310988.8/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

310.853+/-0.111 χ^2/NDF : 215229.8/4

Left In: 310.853+/-0.111 χ^2/NDF : 215229.8/4

reg_asym_sam8_mean vs Slug



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -157.551 $\pm$ 26.199 χ^2 /NDF: 4.9/6

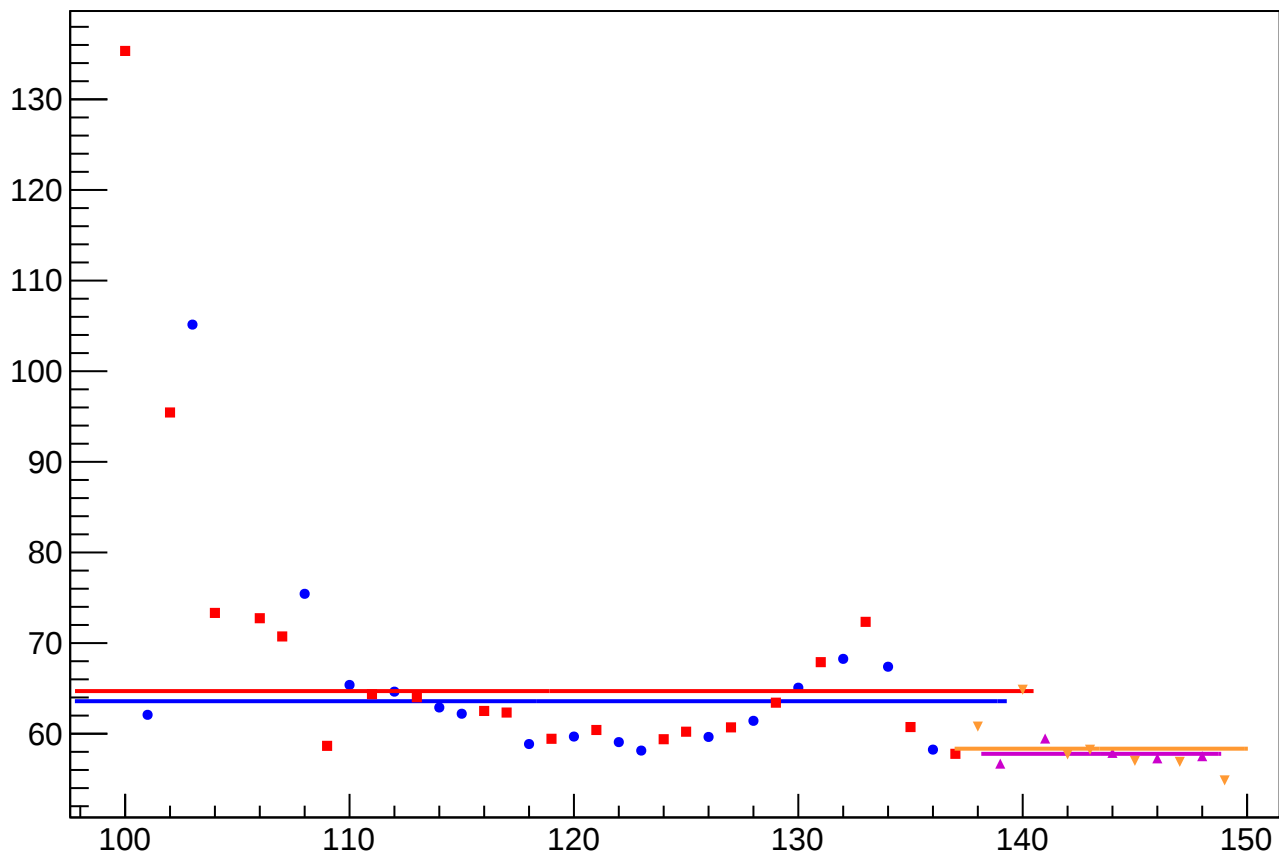
Right Out: 121.814 $\pm$ 24.516 χ^2 /NDF: 40.5/19

Left In: 152.484 $\pm$ 28.718 χ^2 /NDF: 5.0/4

-192.871 $\pm$ 18.041 χ^2 /NDF: 24.3/23

134.743 $\pm$ 18.646 χ^2 /NDF: 46.1/24

reg_asym_sam8_rms vs Slug



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 58.349 $\pm$ 0.019 χ^2 /NDF: 26811.6/6

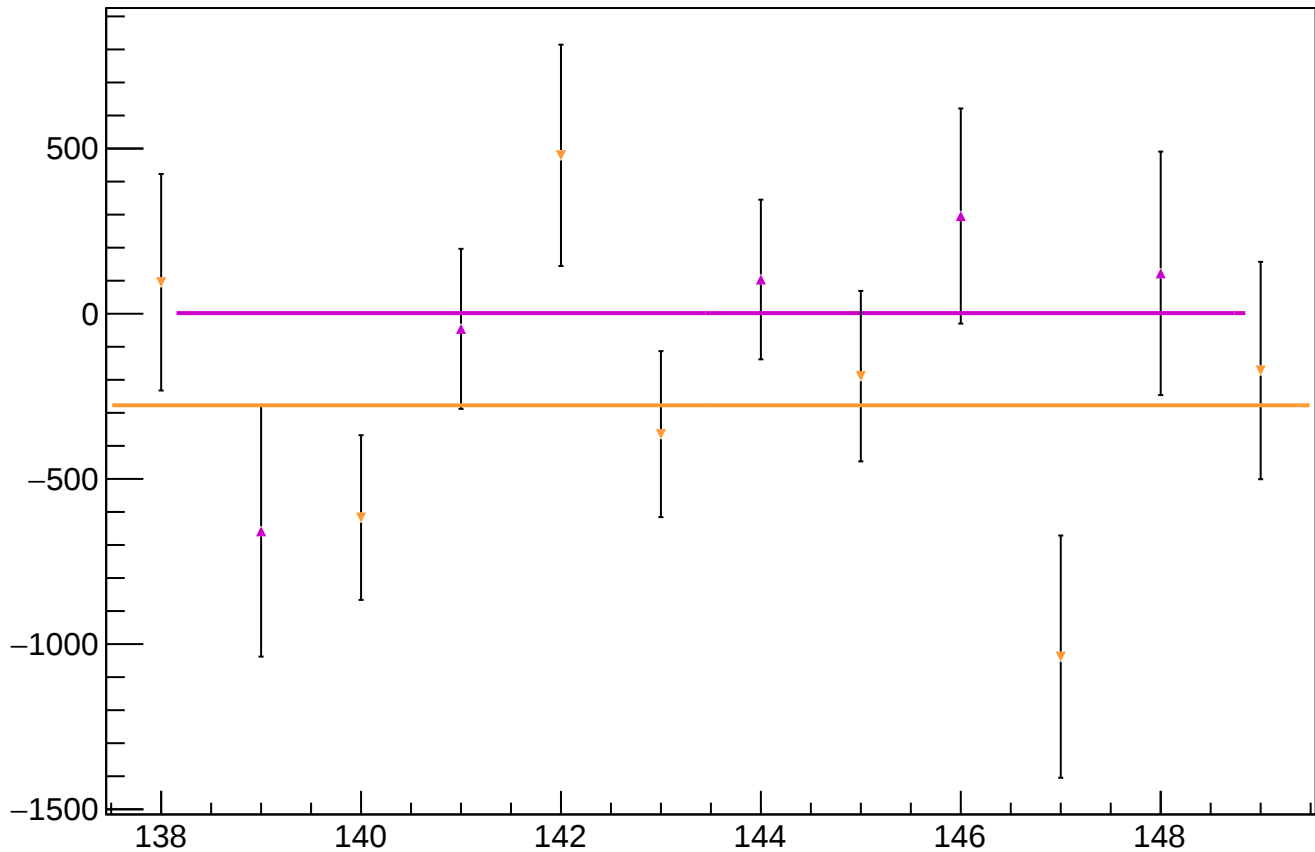
Right Out: 64.704 $\pm$ 0.017 χ^2 /NDF: 227632.6/19

Left In: 57.781 $\pm$ 0.020 χ^2 /NDF: 2045.7/4

61.104 $\pm$ 0.013 χ^2 /NDF: 303488.0/23

61.786 $\pm$ 0.013 χ^2 /NDF: 296908.7/24

asym_sam8_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -277.130+/-110.527 χ^2/NDF : 12.9/6

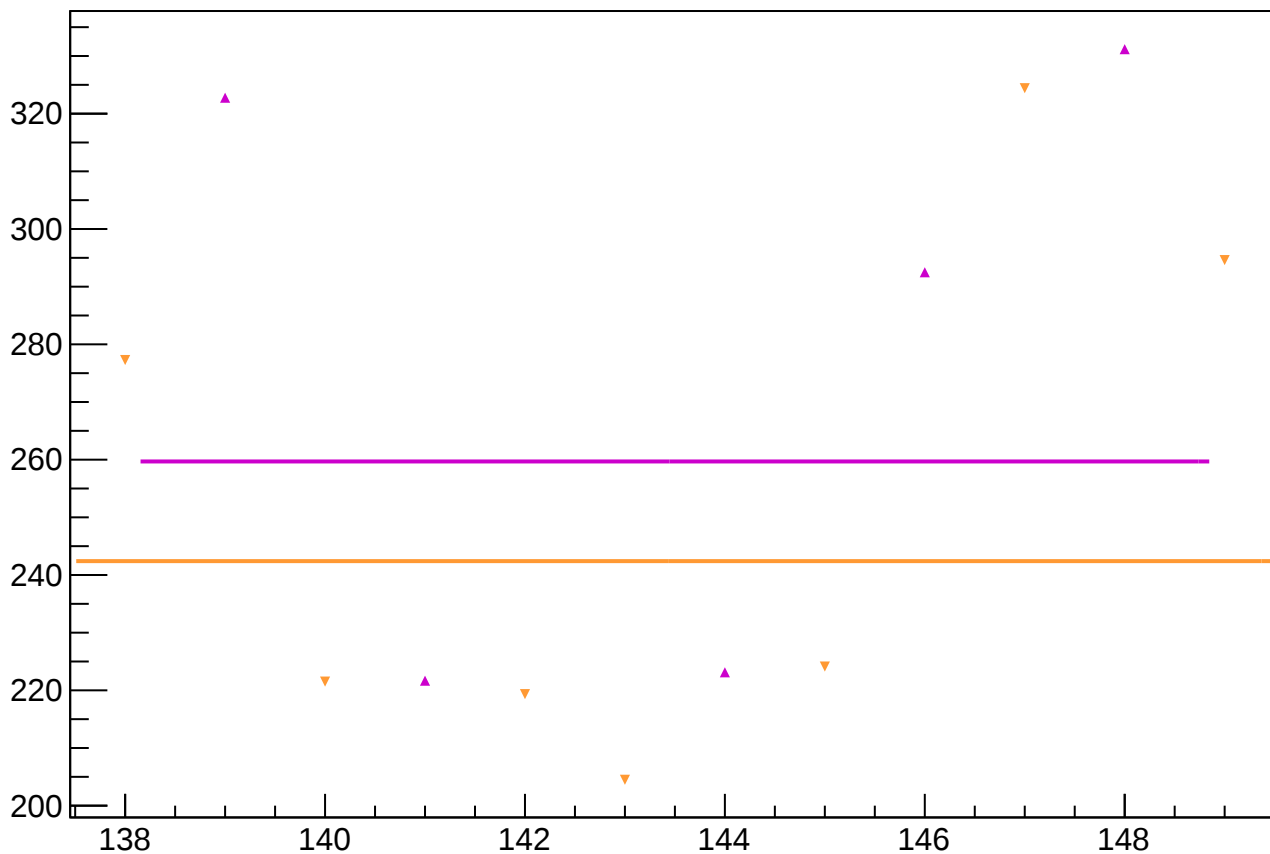
-277.130+/-110.527 χ^2/NDF : 12.9/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.921+/-131.399 χ^2/NDF : 4.2/4

Left In: 1.921+/-131.399 χ^2/NDF : 4.2/4

asym_sam8_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 242.407+/-0.078 χ^2/NDF : 252178.6/6

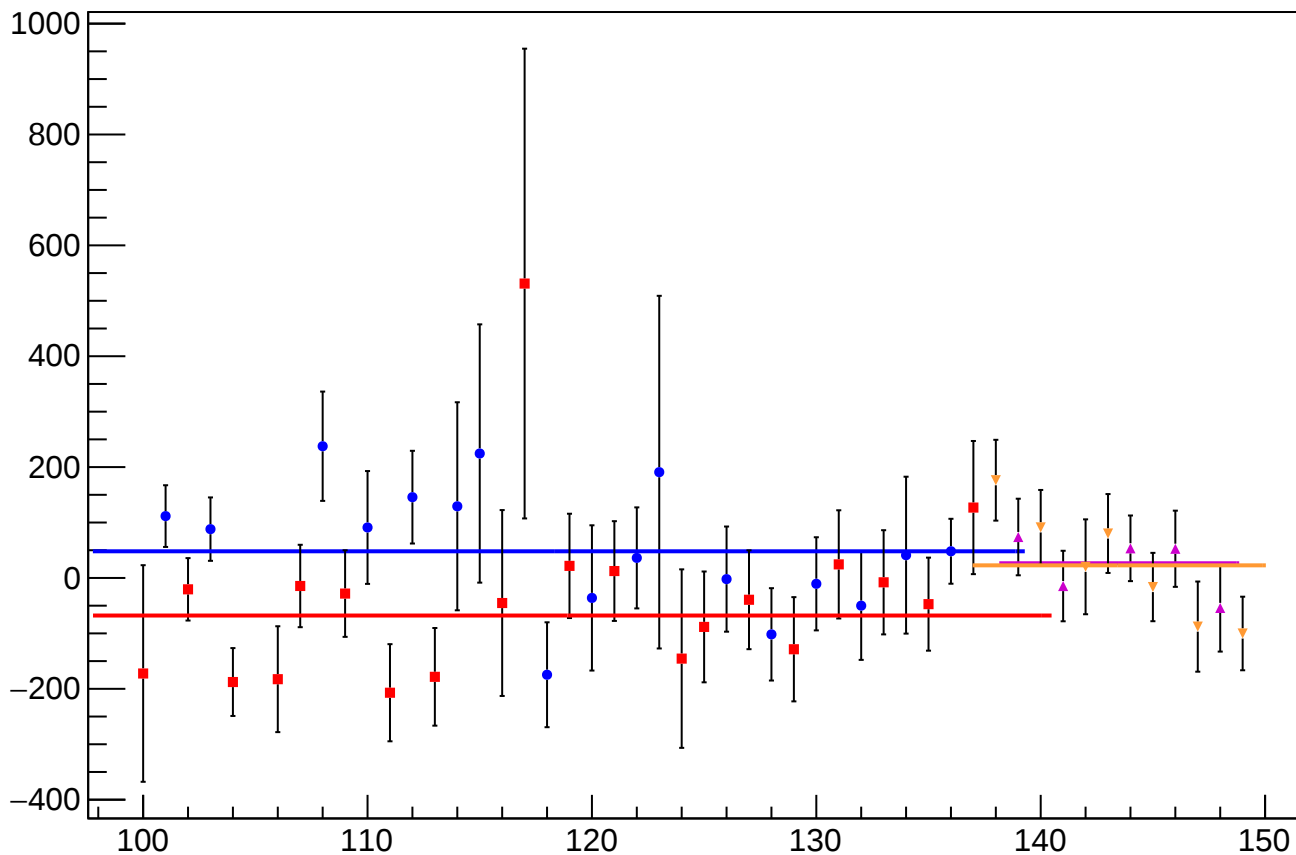
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 259.690+/-0.093 χ^2/NDF : 245928.3/4

242.407+/-0.078 χ^2/NDF : 252178.6/6

259.690+/-0.093 χ^2/NDF : 245928.3/4

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 +/- 21.510 χ^2/NDF : 19.0/16

Left Out: 22.756 +/- 26.891 χ^2/NDF : 11.8/6

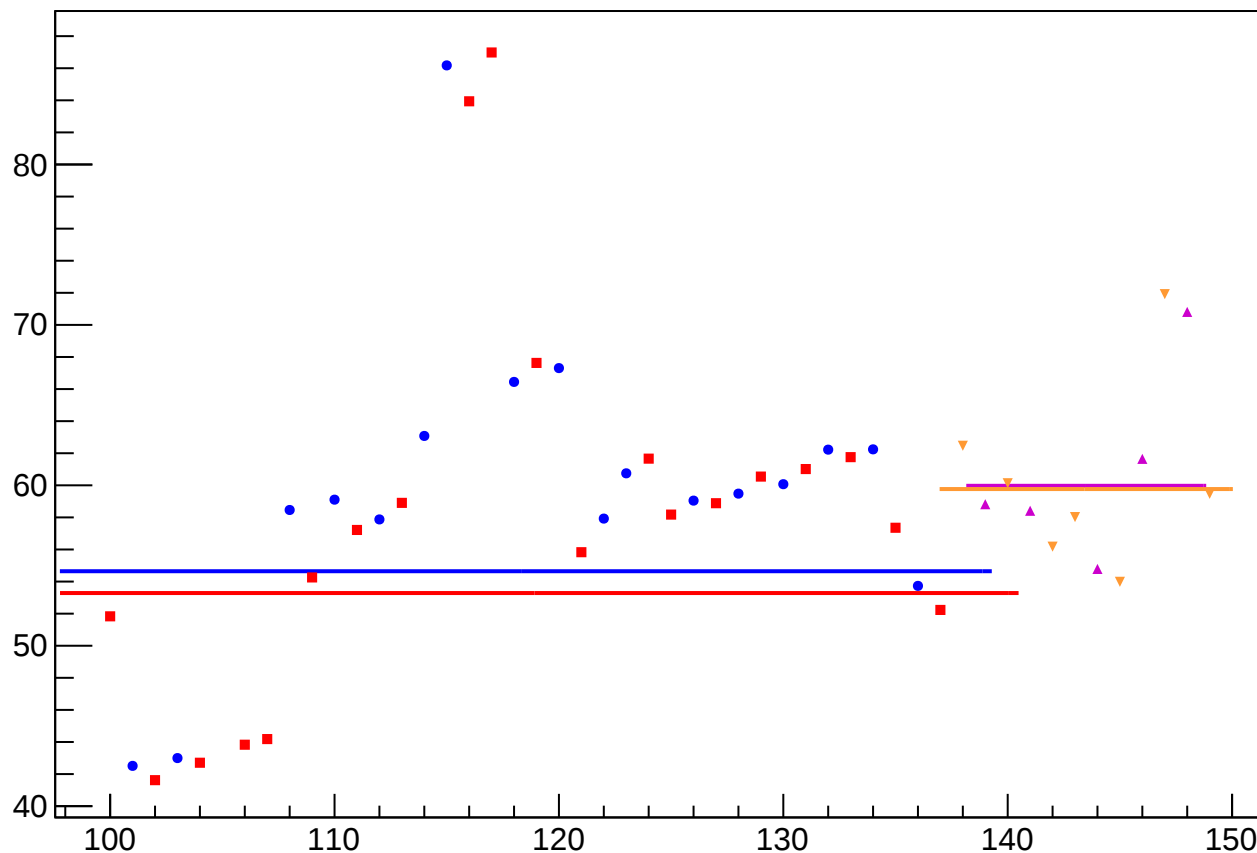
Right Out: -67.767 +/- 20.383 χ^2/NDF : 19.7/19

Left In: 26.523 +/- 29.946 χ^2/NDF : 2.3/4

38.217 +/- 16.797 χ^2/NDF : 31.3/23

-37.913 +/- 16.850 χ^2/NDF : 28.7/24

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 59.767+/-0.019 χ^2/NDF : 69792.7/6

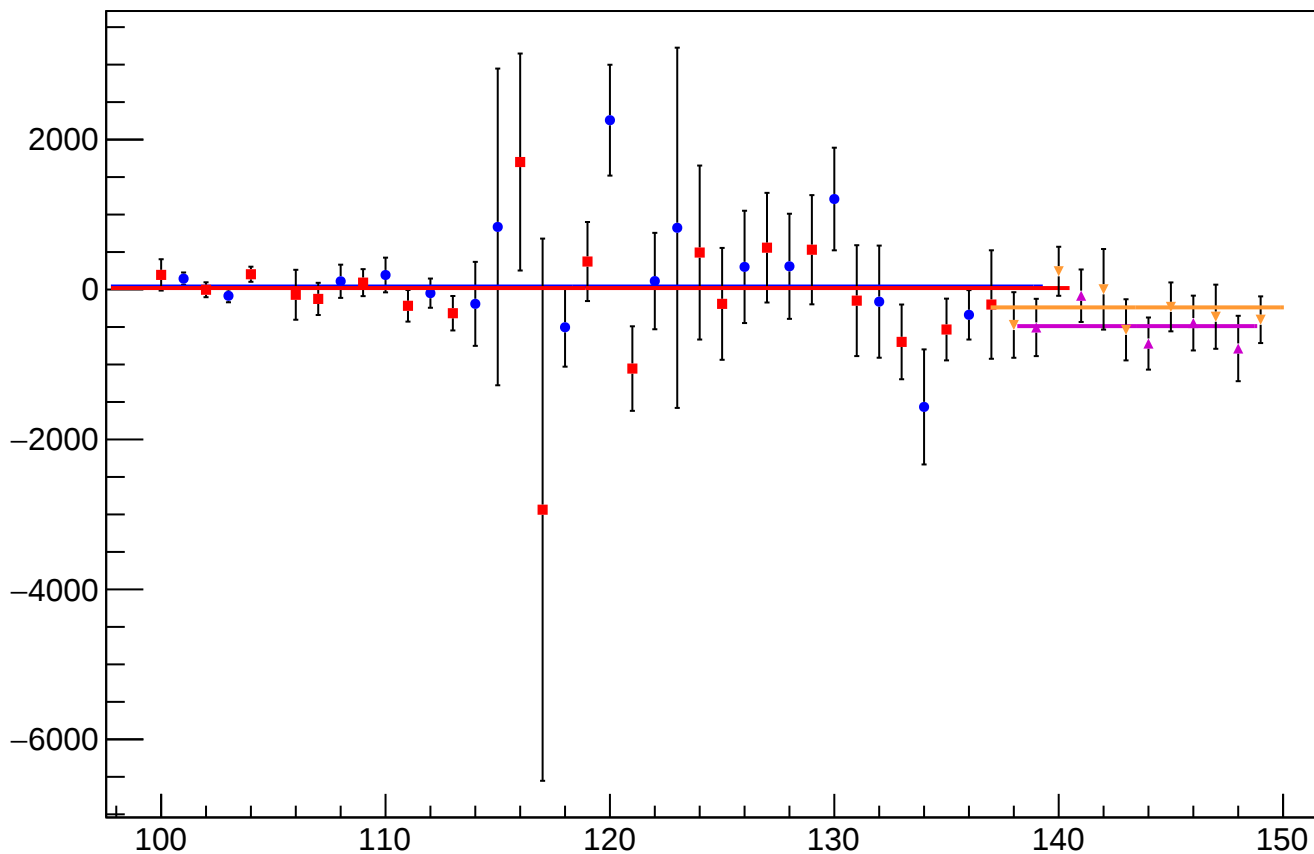
Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

Left In: 59.970+/-0.021 χ^2/NDF : 56157.7/4

56.644+/-0.012 χ^2/NDF : 433349.5/23

55.401+/-0.012 χ^2/NDF : 523233.3/24

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -238.235+/-142.517 χ^2/NDF : 3.6/6

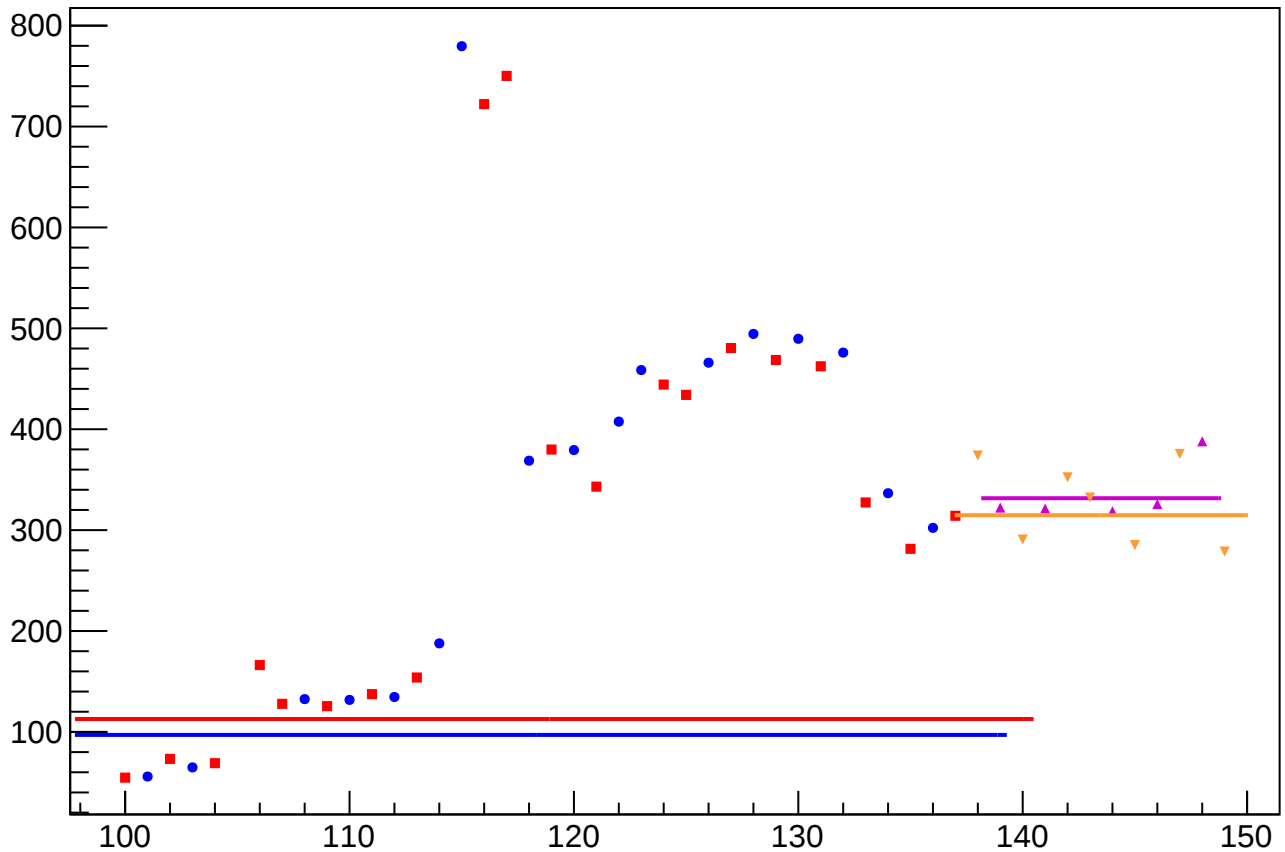
Right Out: 19.590+/-53.268 χ^2/NDF : 19.6/19

Left In: -488.105+/-166.617 χ^2/NDF : 2.3/4

8.001+/-48.470 χ^2/NDF : 30.8/23

-27.490+/-50.738 χ^2/NDF : 30.3/24

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2 /NDF: 5819709.2/16

Left Out: 314.774+/-0.101 χ^2 /NDF:144654.6/6

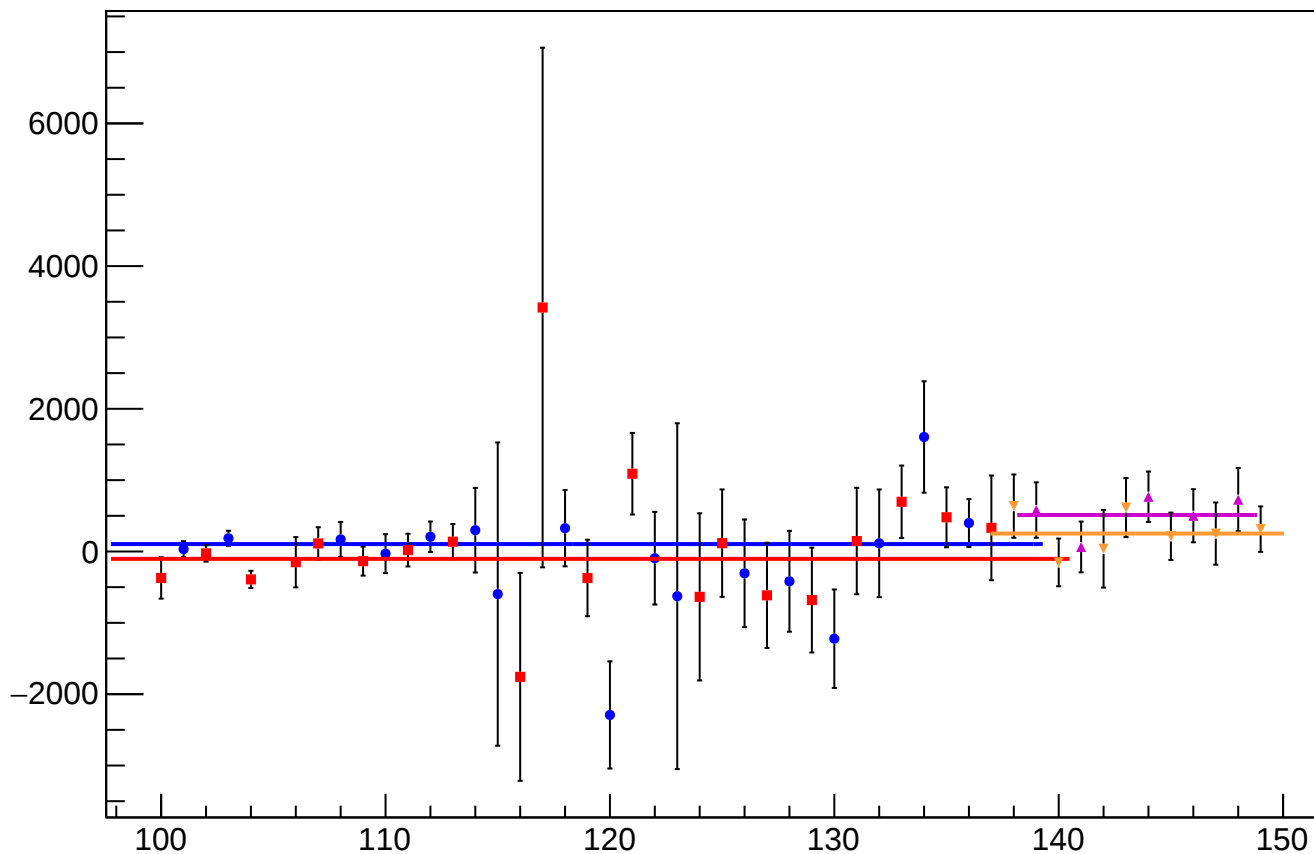
122.224+/-0.034 χ^2 /NDF: 10092631.6/23

Right Out: 112.792+/-0.038 χ^2 /NDF: 5098459.2/19

133.085+/-0.036 χ^2 /NDF: 8268196.2/24

Left In: 331.629+/-0.118 χ^2 /NDF:39570.9/4

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 251.339 $\pm$ 145.170 χ^2 /NDF: 3.2/6

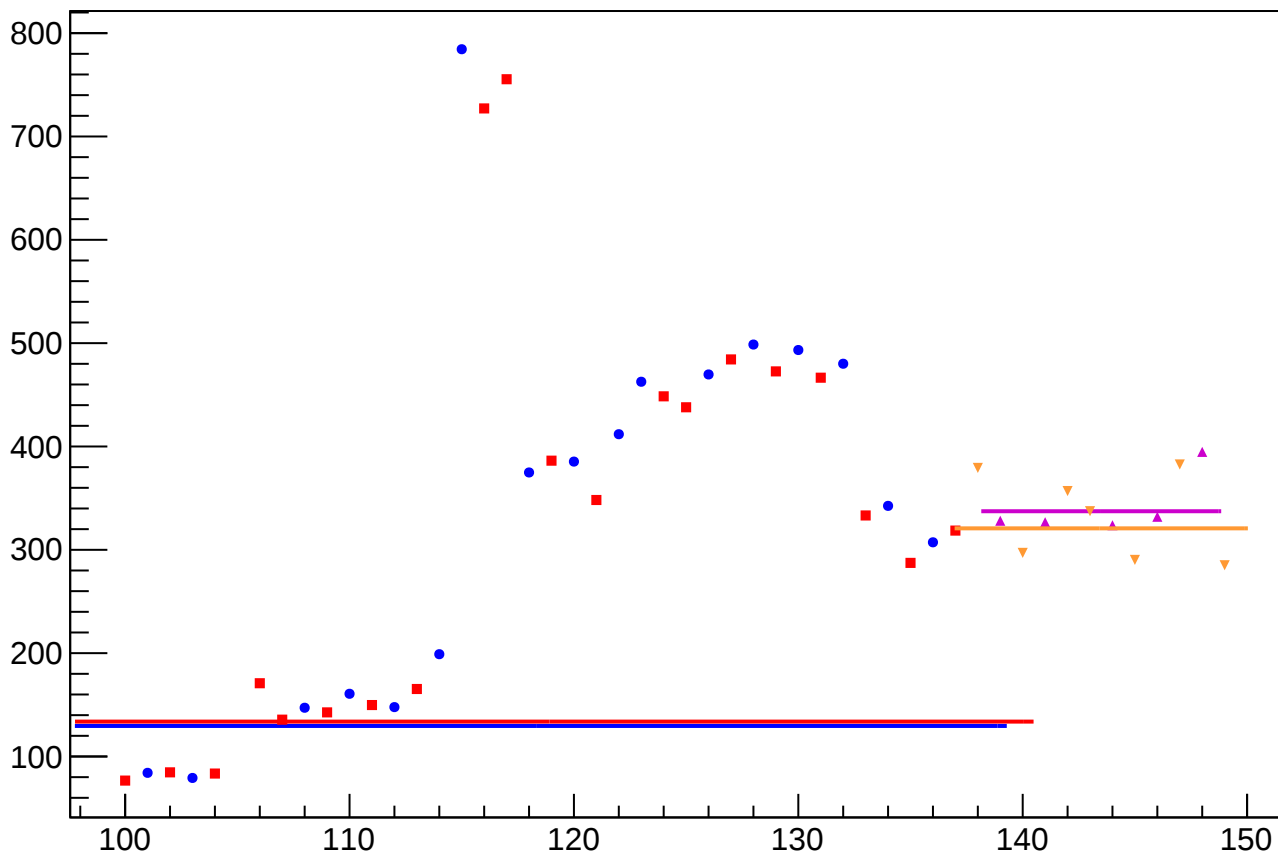
Right Out: -103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

Left In: 511.258 $\pm$ 169.420 χ^2 /NDF: 2.4/4

127.449 $\pm$ 57.913 χ^2 /NDF: 25.4/23

-32.956 $\pm$ 57.267 χ^2 /NDF: 36.3/24

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 320.777+/-0.103 χ^2/NDF :139233.1/6

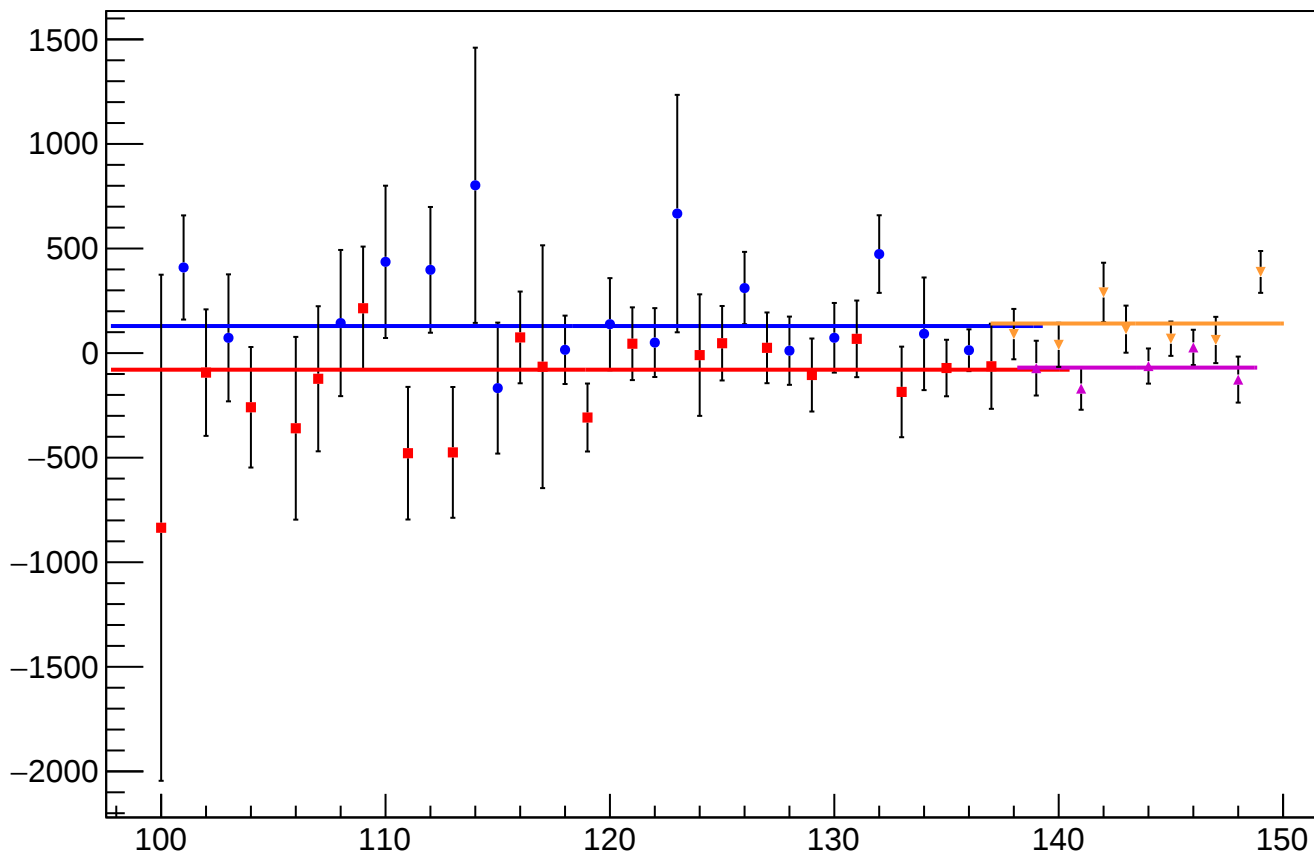
Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

Left In: 337.340+/-0.120 χ^2/NDF :39826.3/4

159.985+/-0.041 χ^2/NDF : 7829683.7/23

157.026+/-0.040 χ^2/NDF : 7022083.6/24

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 141.393 $\pm$ 40.247 χ^2 /NDF: 9.6/6

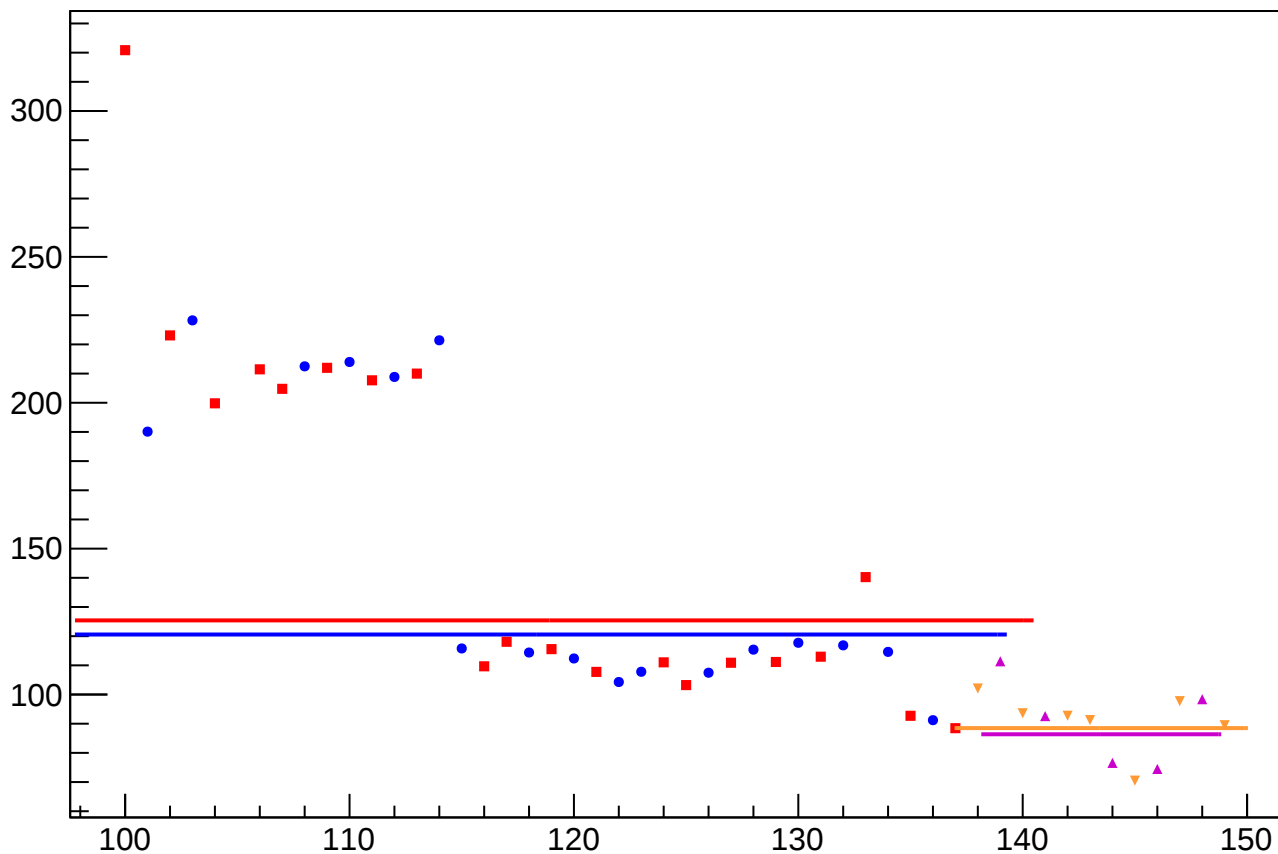
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -69.431 $\pm$ 43.820 χ^2 /NDF: 2.6/4

136.575 $\pm$ 31.132 χ^2 /NDF: 22.6/23

-73.781 $\pm$ 32.869 χ^2 /NDF: 12.8/24

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.490 $\pm$ 0.028 χ^2 /NDF:143397.6/6

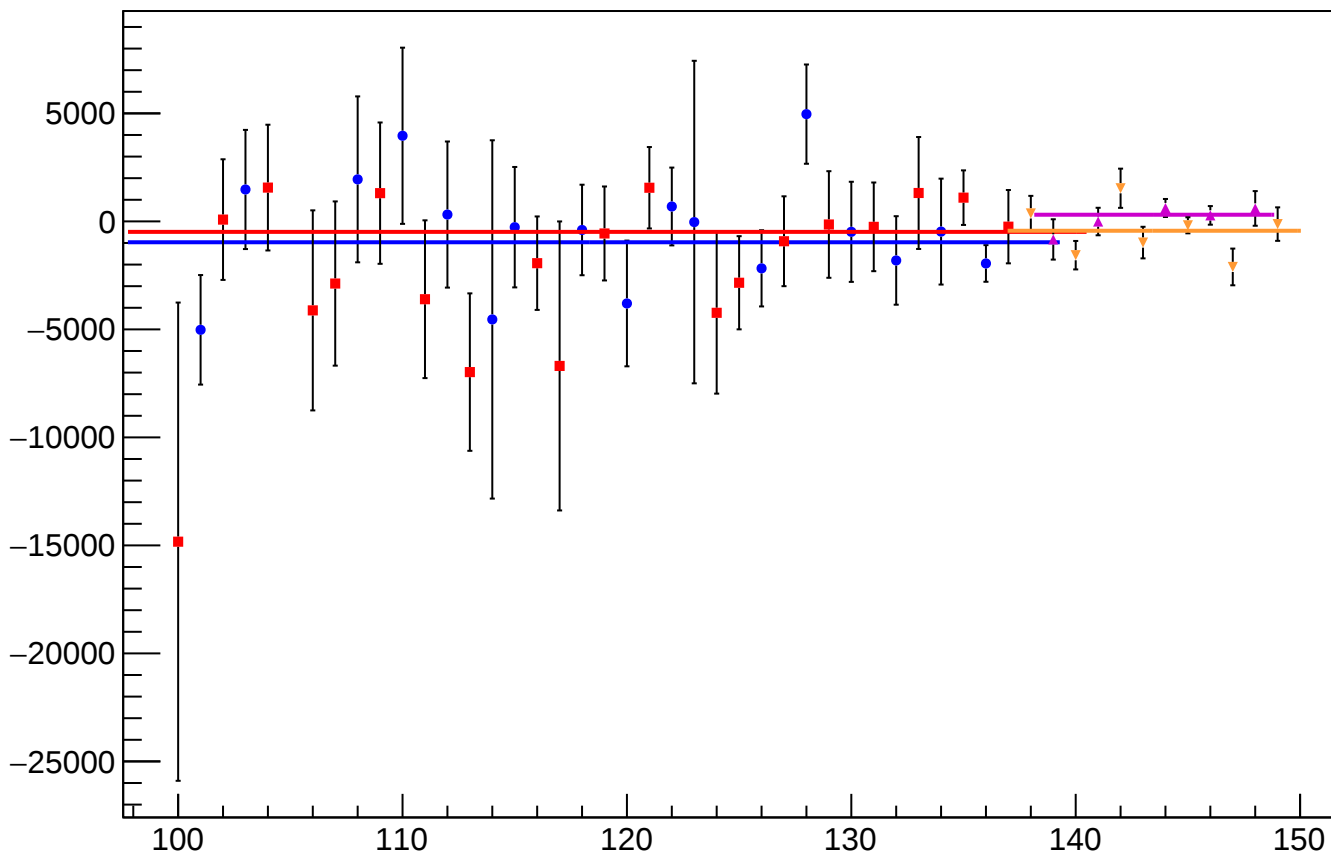
Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

Left In: 86.374 $\pm$ 0.031 χ^2 /NDF:171399.7/4

101.374 $\pm$ 0.022 χ^2 /NDF: 1765699.9/23

103.444 $\pm$ 0.023 χ^2 /NDF: 2199392.6/24

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -434.058 ± 241.014 χ^2/NDF : 13.7/6

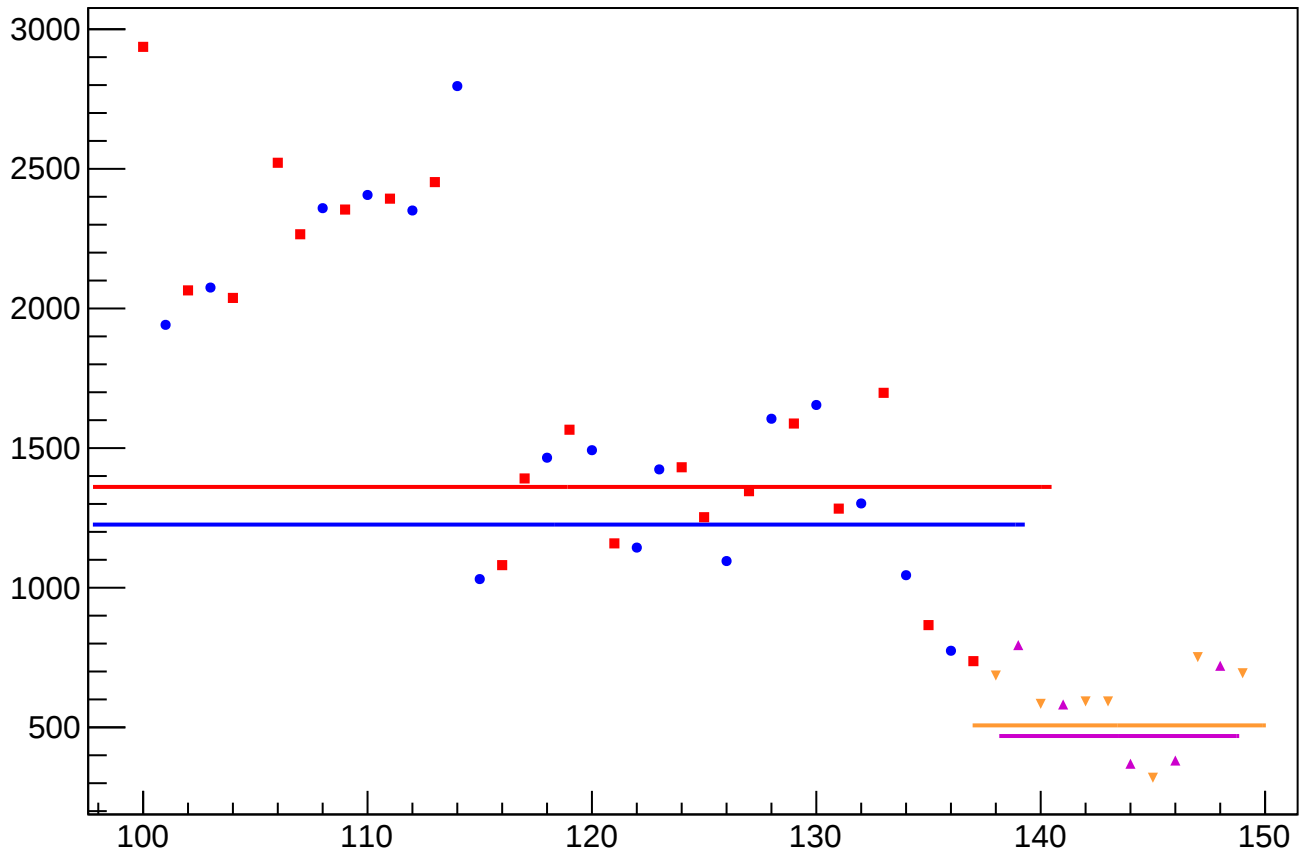
Right Out: -485.654 ± 543.567 χ^2/NDF : 14.3/19

Left In: 307.857 ± 247.633 χ^2/NDF : 2.4/4

-530.550 ± 218.088 χ^2/NDF : 31.0/23

171.474 ± 225.350 χ^2/NDF : 18.5/24

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135 $\pm$ 0.362 χ^2/NDF : 1756323.1/16

Left Out: 507.022 $\pm$ 0.170 χ^2/NDF : 960925.3/6

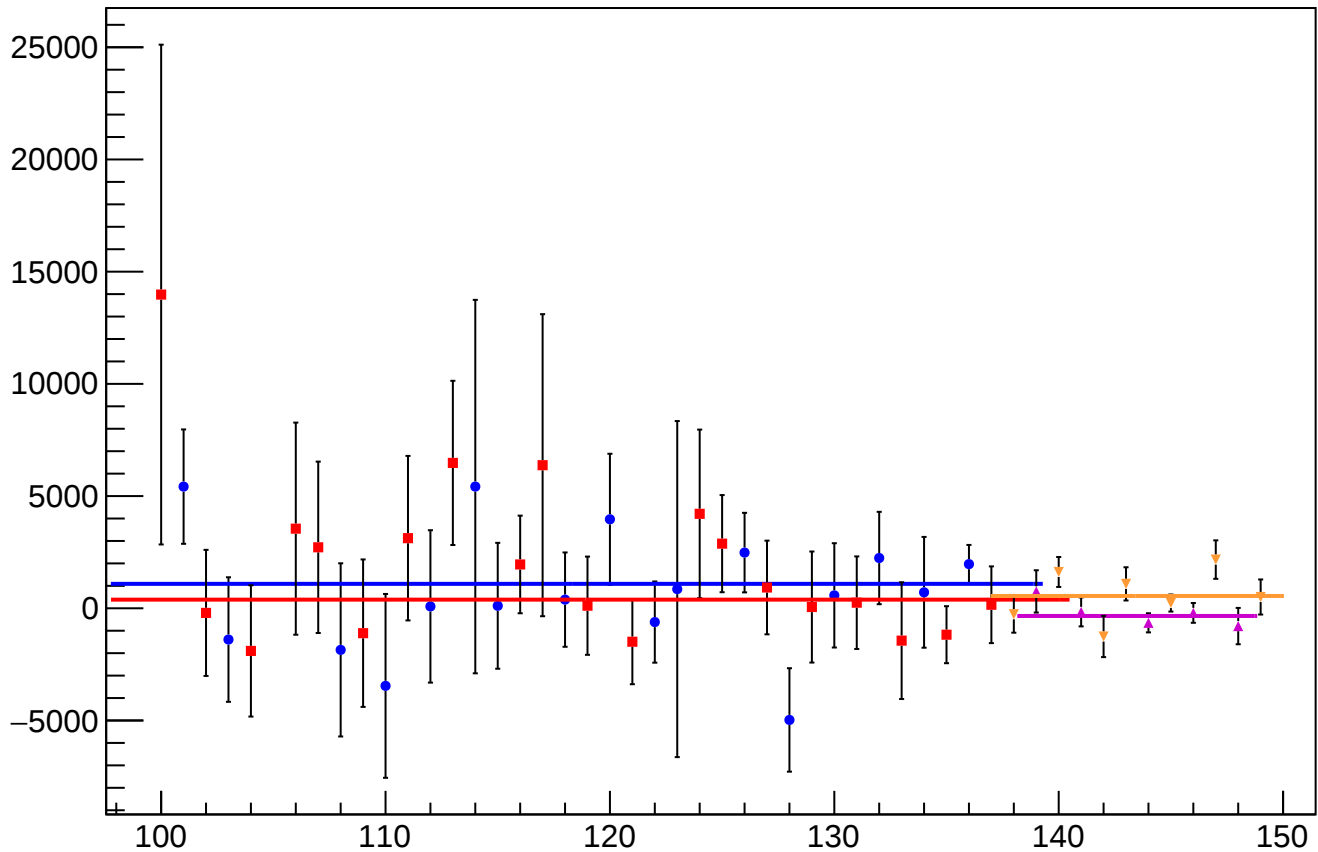
Right Out: 1360.972 $\pm$ 0.384 χ^2/NDF : 1749116.2/19

Left In: 468.957 $\pm$ 0.175 χ^2/NDF : 699306.1/4

637.322 $\pm$ 0.154 χ^2/NDF : 5943419.9/23

622.270 $\pm$ 0.159 χ^2/NDF : 6908725.3/24

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 ± 515.272 χ^2/NDF : 16.9/16

Left Out: 548.917 ± 245.207 χ^2/NDF : 12.2/6

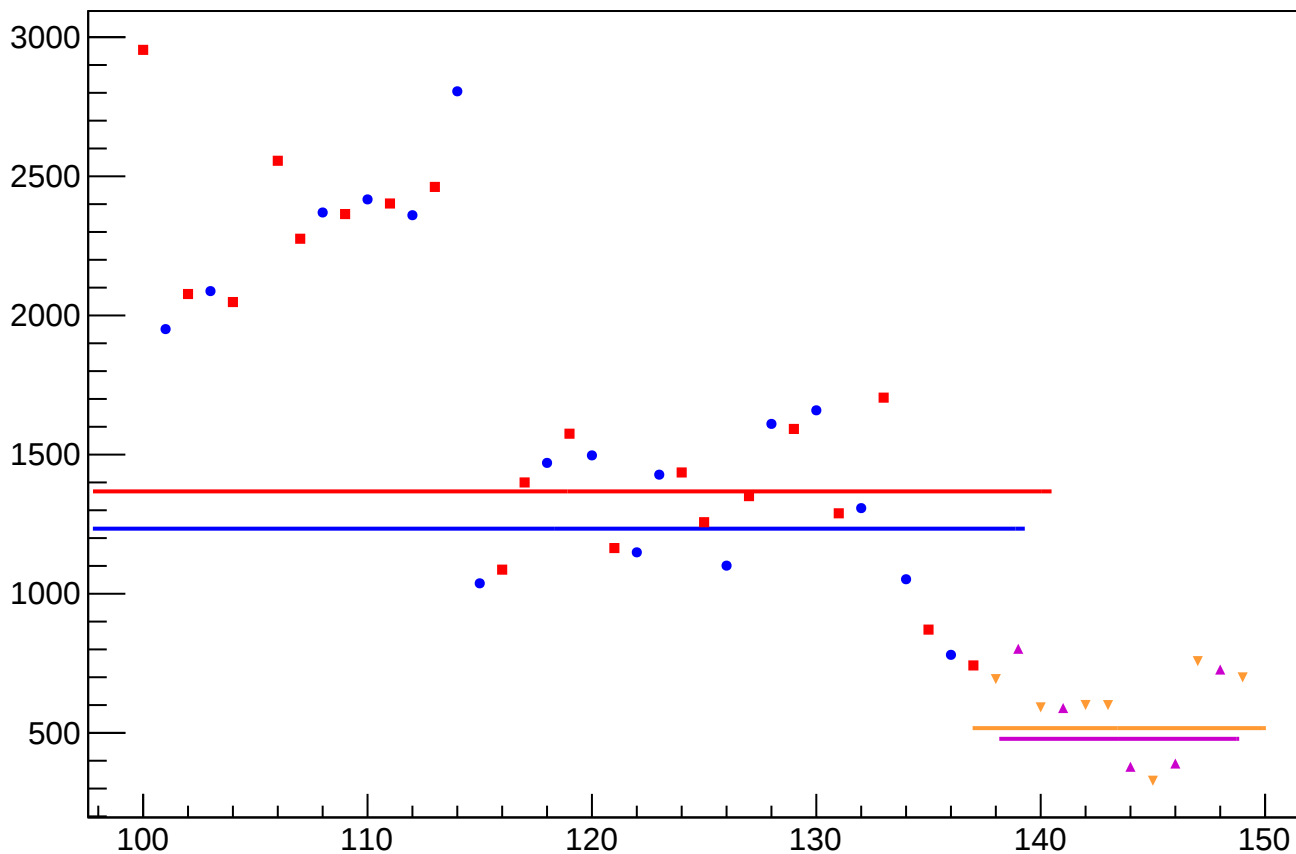
Right Out: 385.391 ± 546.382 χ^2/NDF : 13.3/19

Left In: -342.405 ± 252.296 χ^2/NDF : 2.3/4

648.653 ± 221.415 χ^2/NDF : 30.0/23

-214.497 ± 229.055 χ^2/NDF : 17.1/24

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 517.161+/-0.173 χ^2/NDF : 917212.4/6

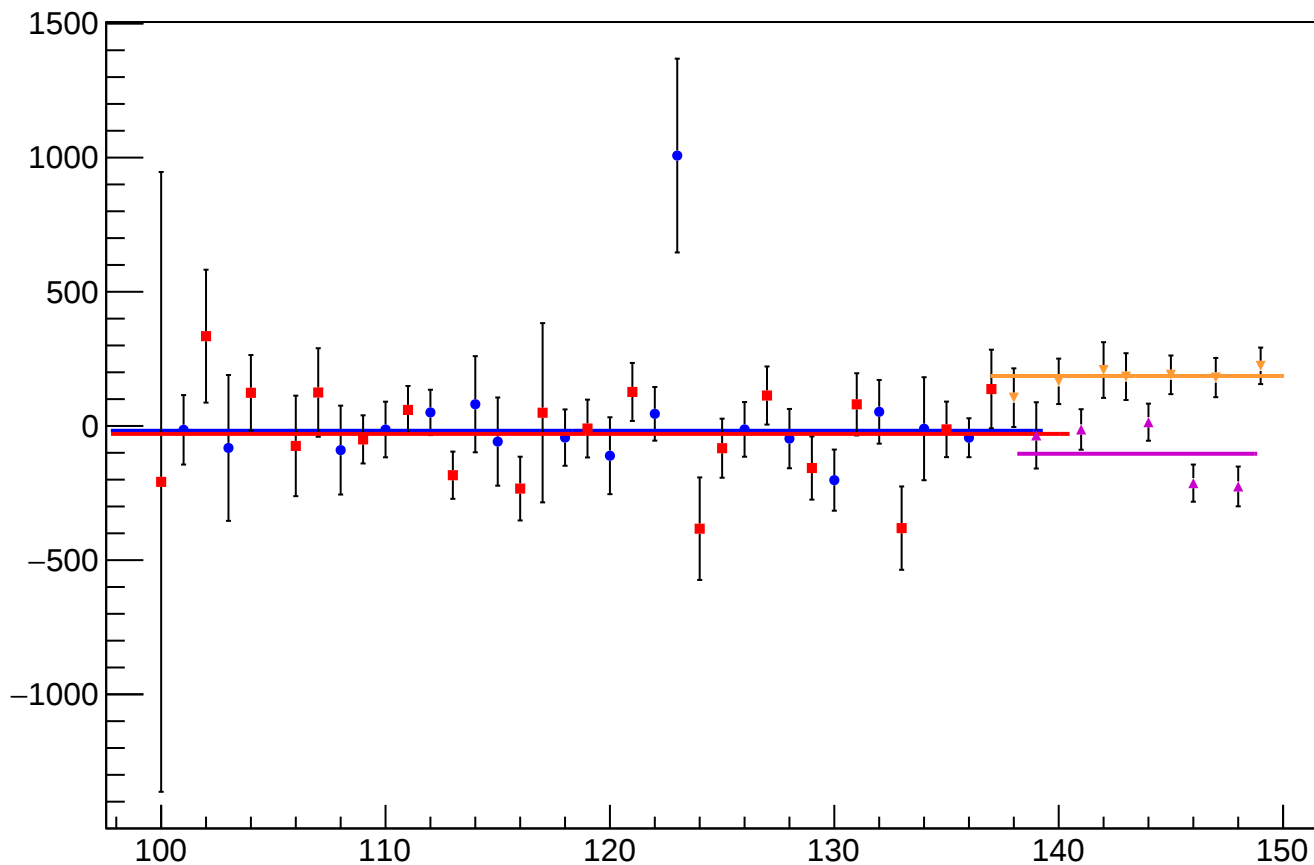
Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

Left In: 478.718+/-0.178 χ^2/NDF : 675627.1/4

649.497+/-0.157 χ^2/NDF : 5816119.0/23

634.975+/-0.162 χ^2/NDF : 6785466.3/24

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 186.344 ± 30.957 $\chi^2/\text{NDF}: 1.0/6$

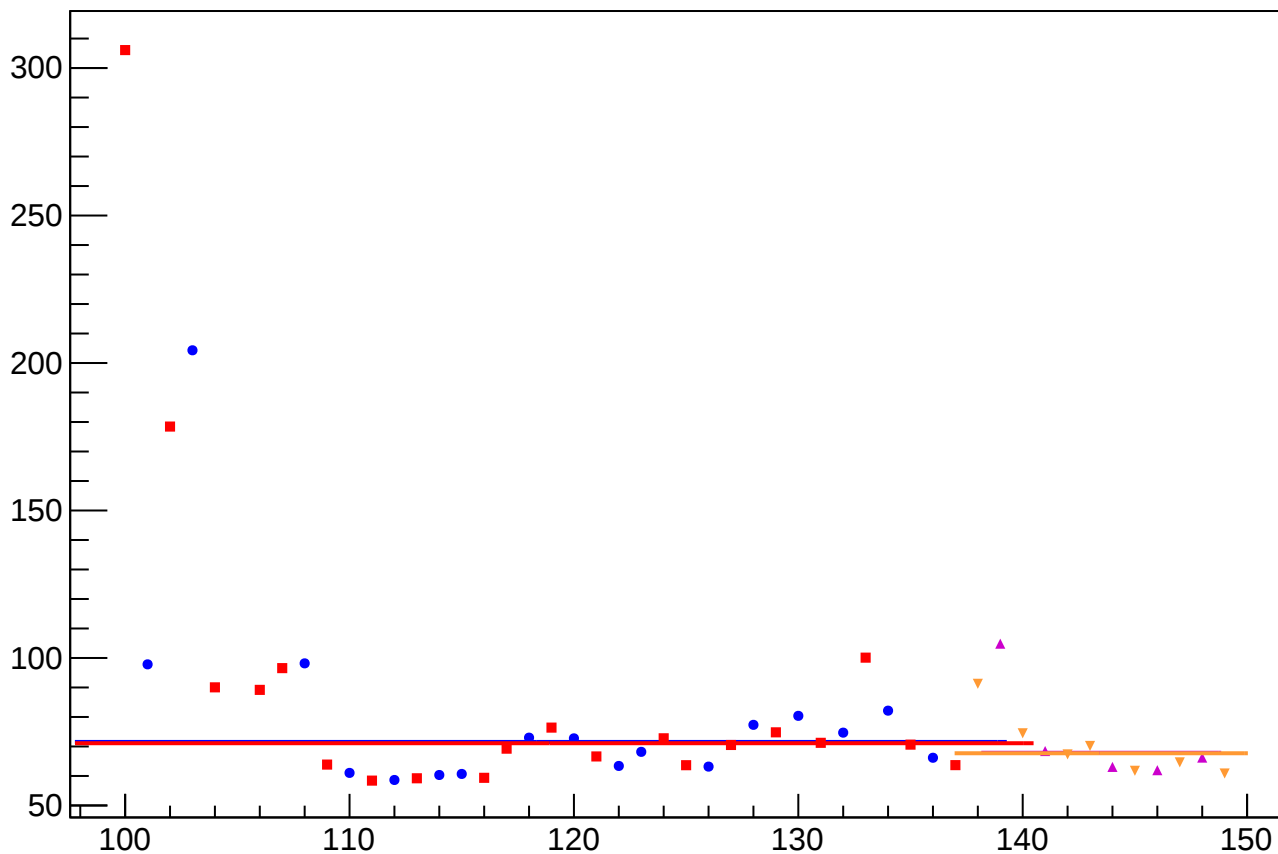
Right Out: -29.517 ± 27.879 $\chi^2/\text{NDF}: 27.5/19$

Left In: -103.553 ± 34.480 $\chi^2/\text{NDF}: 9.8/4$

76.991 ± 21.105 $\chi^2/\text{NDF}: 37.7/23$

-58.785 ± 21.679 $\chi^2/\text{NDF}: 40.1/24$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 ± 0.020 χ^2/NDF : 758961.6/16

Left Out: 67.700 ± 0.022 χ^2/NDF : 144777.8/6

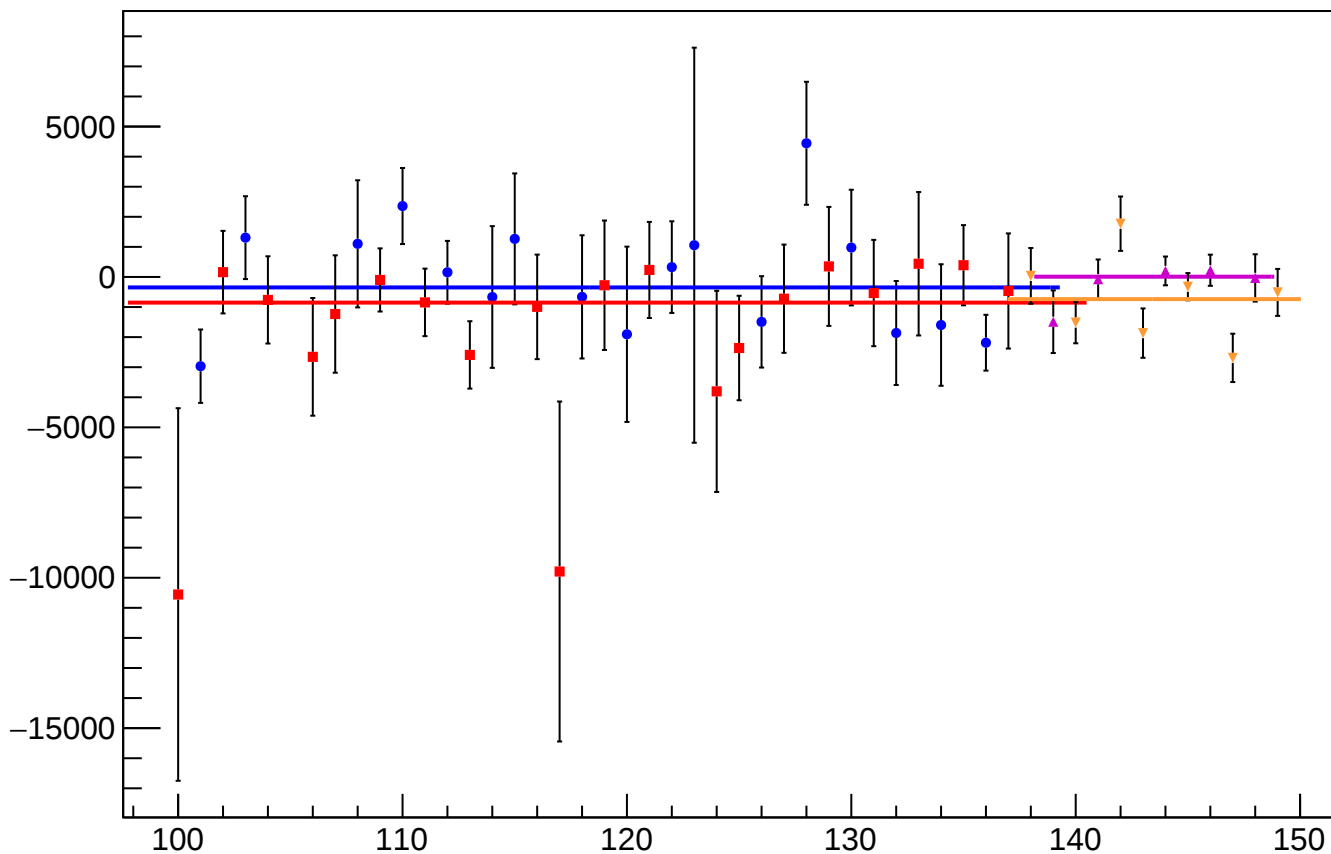
Right Out: 71.102 ± 0.020 χ^2/NDF : 765220.8/19

Left In: 67.861 ± 0.024 χ^2/NDF : 204685.3/4

69.753 ± 0.015 χ^2/NDF : 920177.9/23

69.821 ± 0.015 χ^2/NDF : 980589.4/24

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -736.728 ± 266.830 χ^2/NDF : 18.4/6

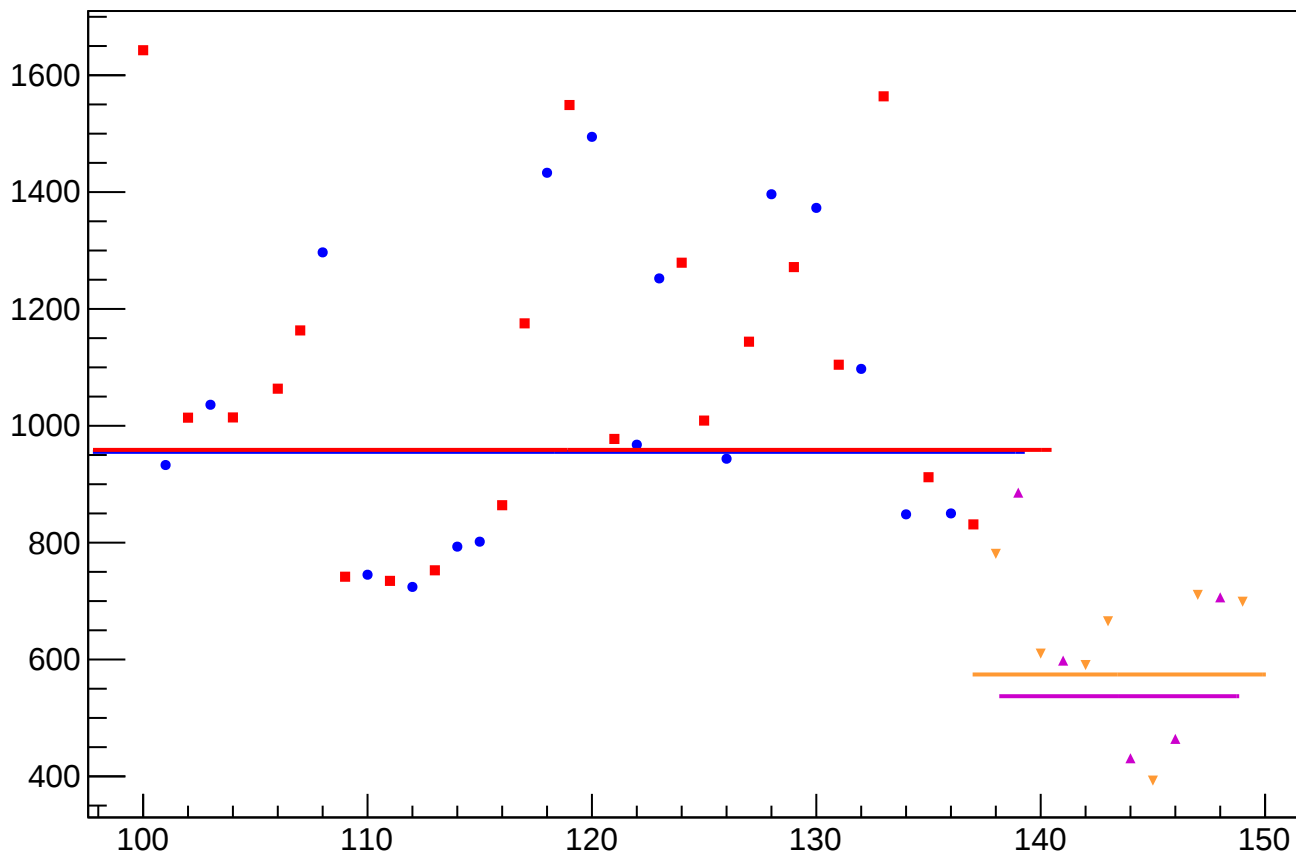
Right Out: -852.433 ± 369.018 χ^2/NDF : 13.0/19

Left In: 8.906 ± 277.665 χ^2/NDF : 2.4/4

-609.234 ± 218.748 χ^2/NDF : 43.2/23

-302.468 ± 221.872 χ^2/NDF : 18.9/24

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425 +/- 0.270 χ^2/NDF : 646512.4/16

Left Out: 574.383 +/- 0.189 χ^2/NDF : 559915.5/6

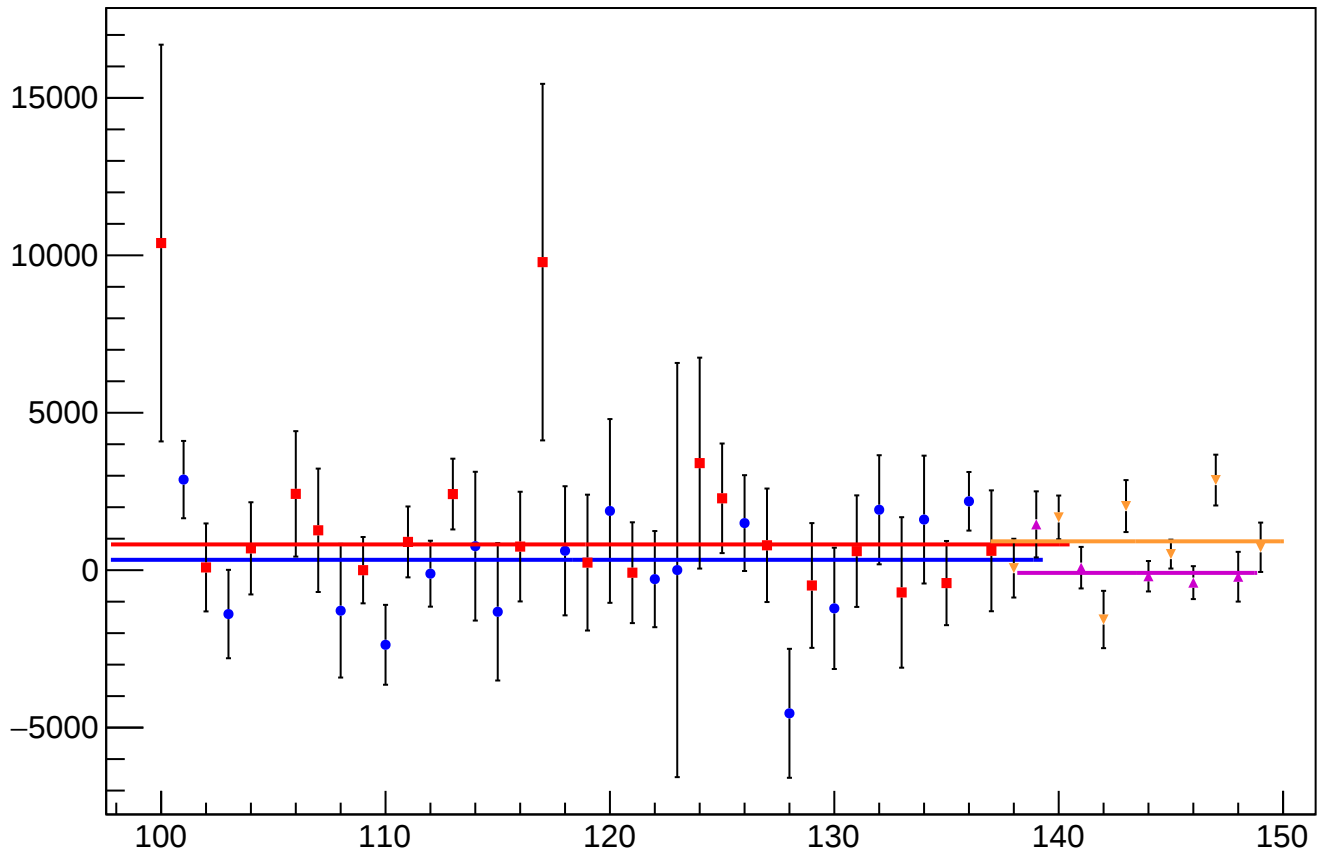
Right Out: 958.776 +/- 0.261 χ^2/NDF : 696031.2/19

Left In: 537.192 +/- 0.196 χ^2/NDF : 472023.1/4

699.337 +/- 0.155 χ^2/NDF : 2543887.0/23

689.595 +/- 0.157 χ^2/NDF : 2834778.3/24

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 $\chi^2/\text{NDF}: 24.3/16$

Left Out: 916.396 ± 269.071 $\chi^2/\text{NDF}: 18.0/6$

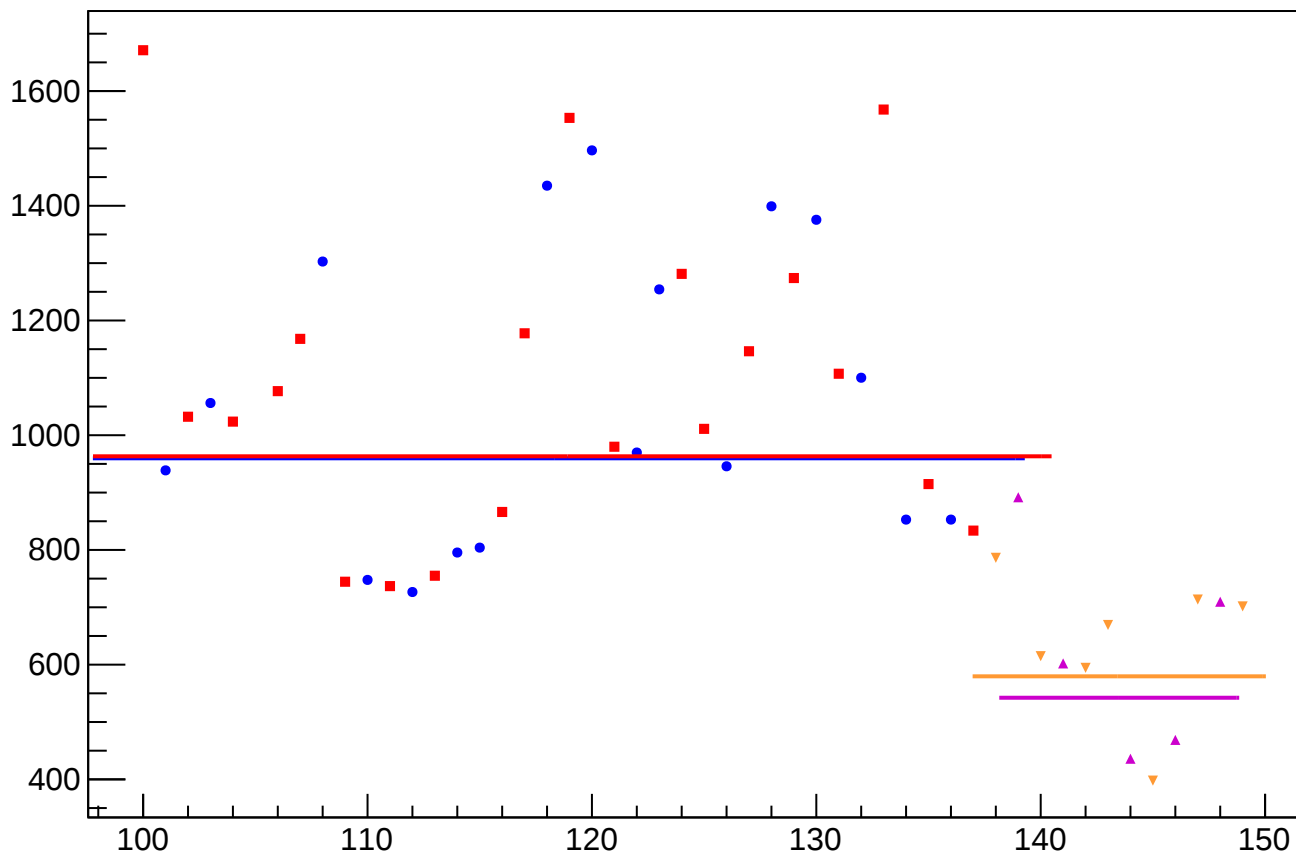
Right Out: 818.253 ± 370.875 $\chi^2/\text{NDF}: 11.8/19$

Left In: -85.972 ± 280.145 $\chi^2/\text{NDF}: 2.6/4$

722.834 ± 220.307 $\chi^2/\text{NDF}: 43.8/23$

242.524 ± 223.539 $\chi^2/\text{NDF}: 18.3/24$

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 579.644+/-0.190 χ^2/NDF : 544649.4/6

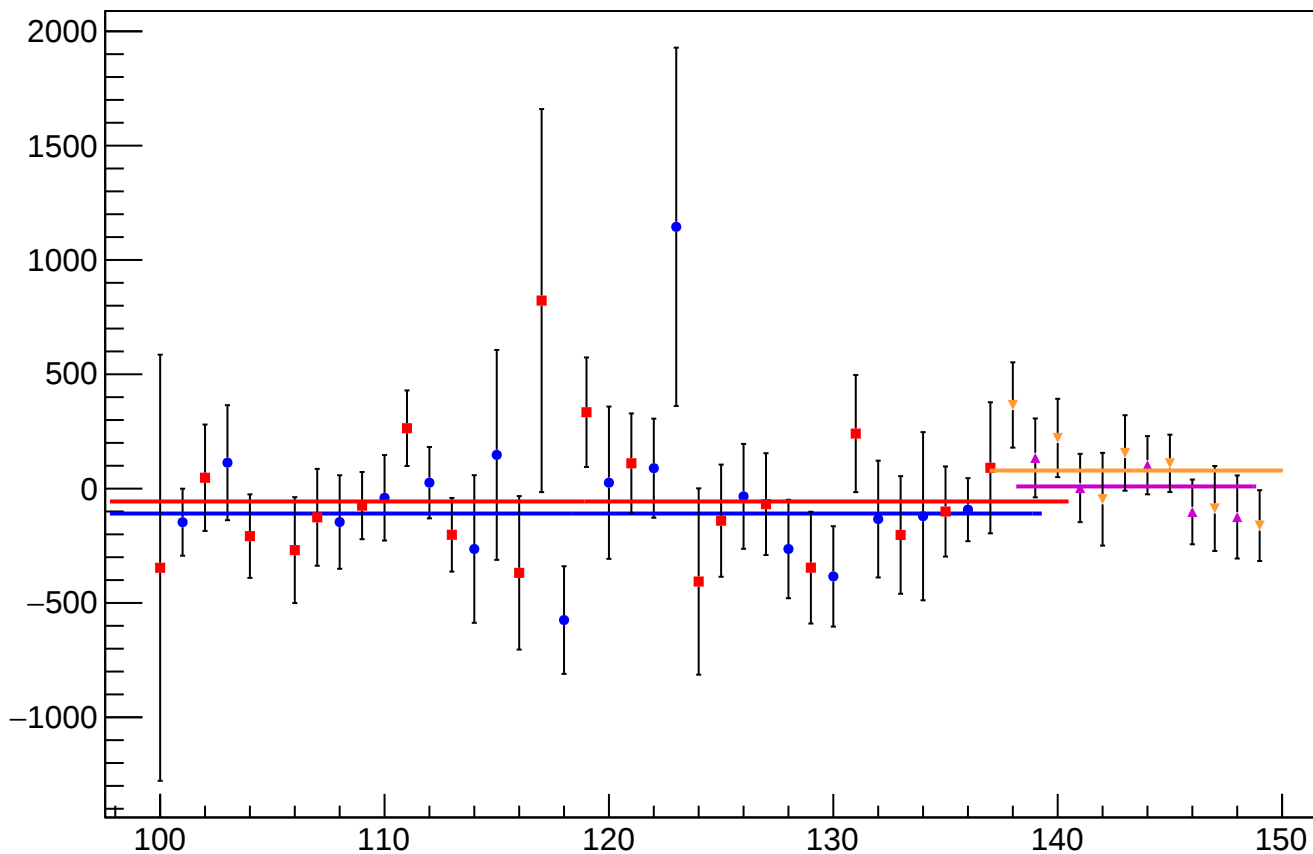
Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

Left In: 542.314+/-0.198 χ^2/NDF : 464407.3/4

704.941+/-0.156 χ^2/NDF : 2507087.9/23

695.231+/-0.158 χ^2/NDF : 2803348.9/24

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 79.153 ± 62.250 χ^2/NDF : 6.9/6

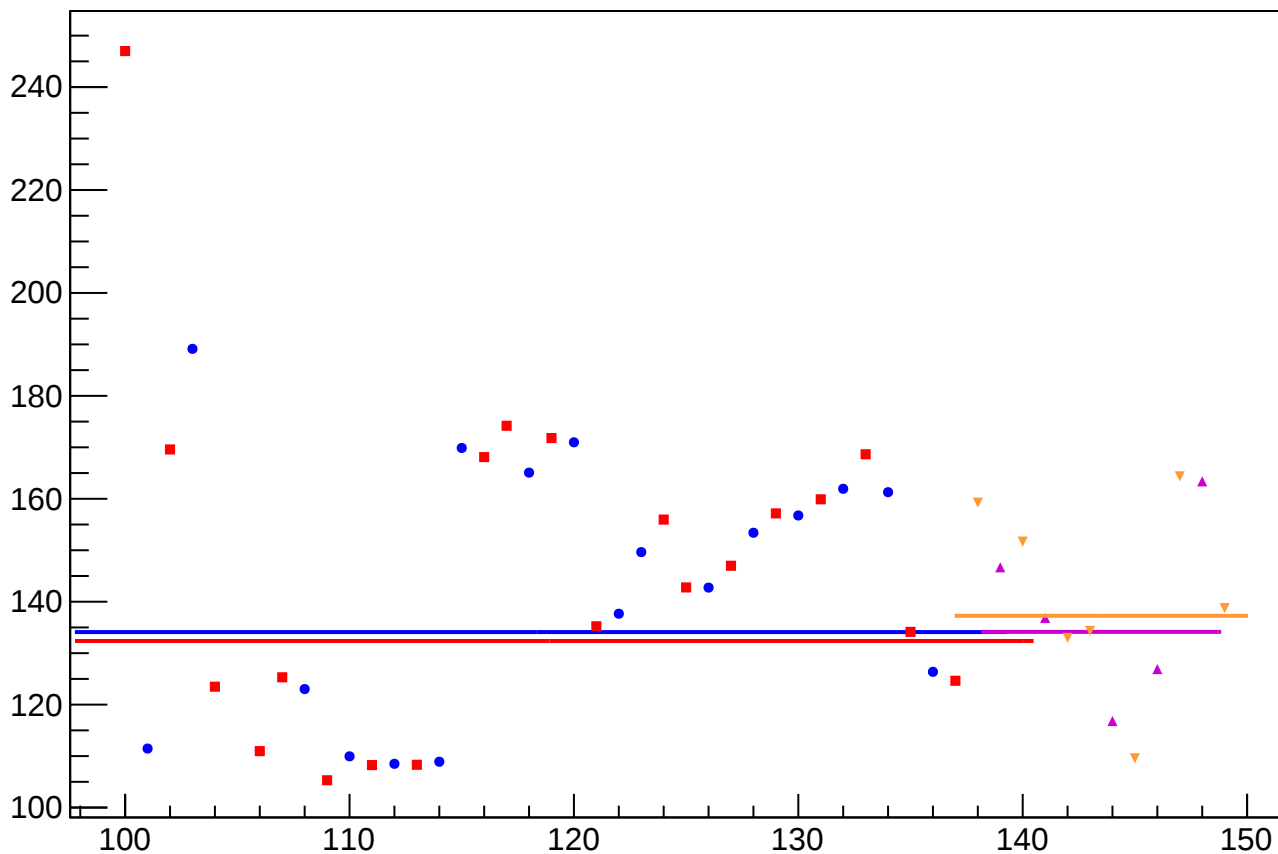
Right Out: -56.241 ± 50.729 χ^2/NDF : 16.0/19

Left In: 9.529 ± 67.377 χ^2/NDF : 2.2/4

-30.049 ± 40.321 χ^2/NDF : 24.2/23

-32.446 ± 40.526 χ^2/NDF : 18.8/24

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 ± 0.037 χ^2/NDF : 402581.2/16

Left Out: 137.259 ± 0.044 χ^2/NDF : 183608.9/6

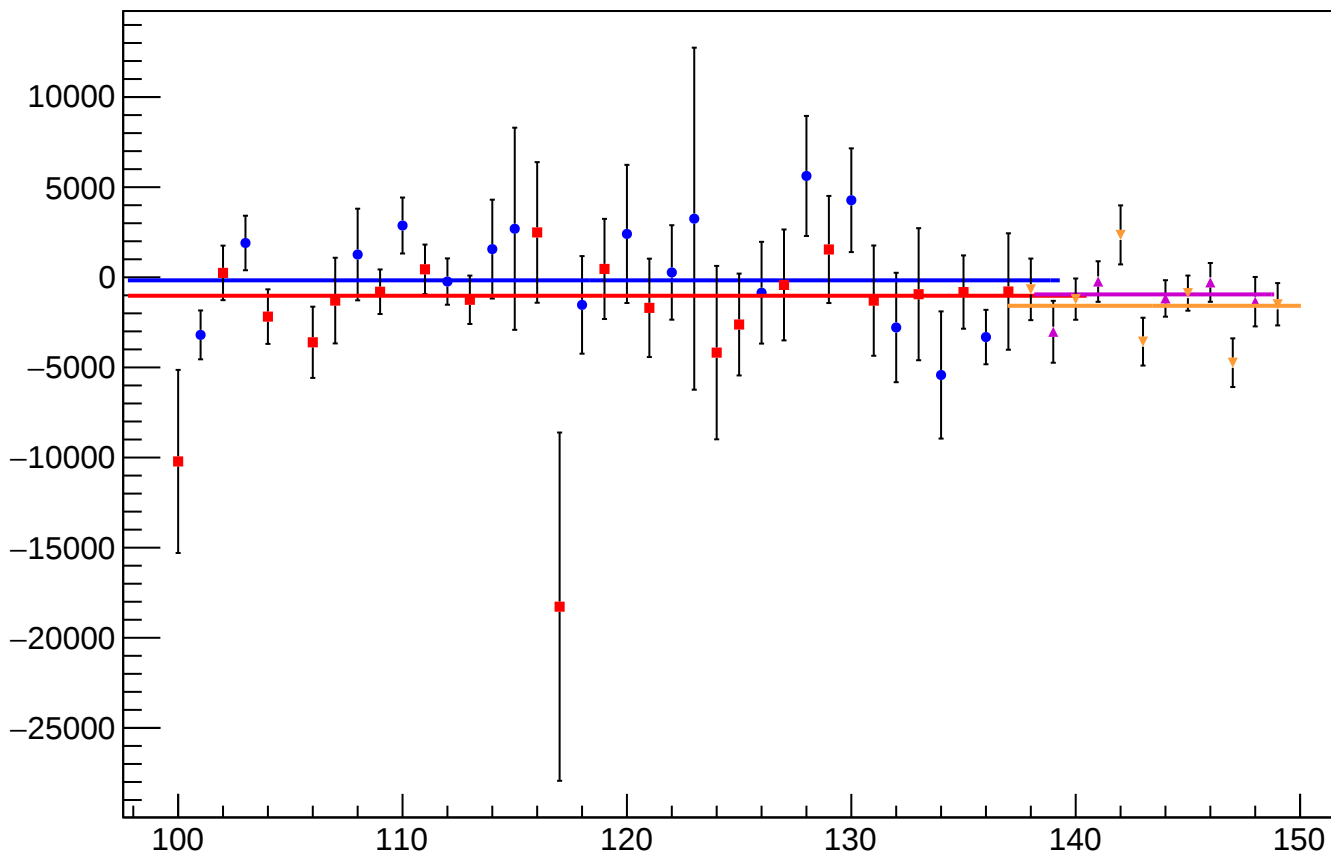
Right Out: 132.373 ± 0.036 χ^2/NDF : 446741.9/19

Left In: 134.138 ± 0.048 χ^2/NDF : 105271.2/4

135.427 ± 0.029 χ^2/NDF : 589174.2/23

133.011 ± 0.029 χ^2/NDF : 552888.8/24

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 $\pm$ 523.672 χ^2 /NDF: 25.3/16

Left Out: -1580.025 $\pm$ 478.158 χ^2 /NDF:14.4/6

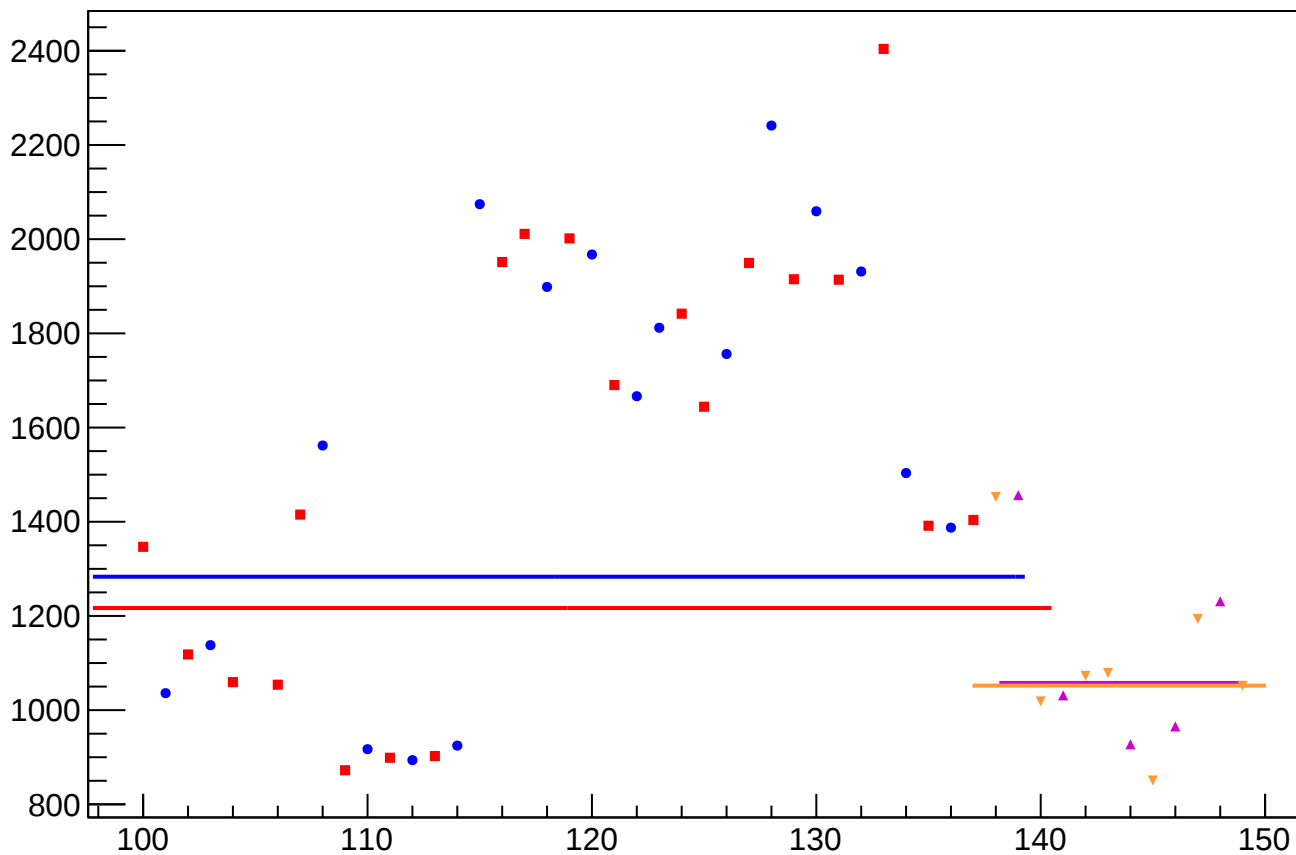
Right Out: -1023.271 $\pm$ 480.373 χ^2 /NDF: 13.4/19

Left In: -948.343 $\pm$ 534.477 χ^2 /NDF:2.4/4

-938.138 $\pm$ 353.105 χ^2 /NDF: 43.7/23

-989.790 $\pm$ 357.277 χ^2 /NDF: 15.8/24

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1052.073 $\pm$ 0.338 χ^2 /NDF:220180.4/6

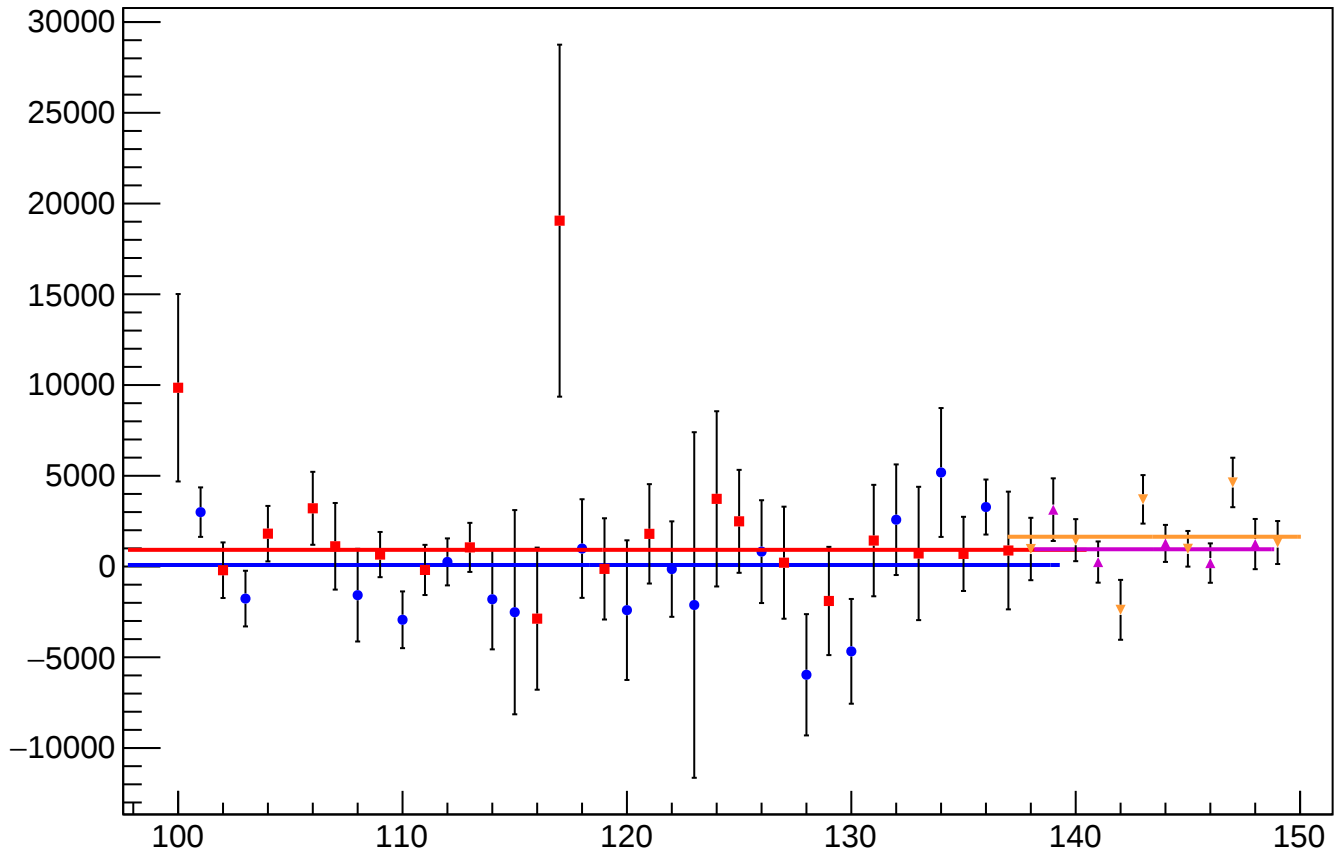
Right Out: 1216.852 $\pm$ 0.340 χ^2 /NDF: 1374416.0/19

Left In: 1057.757 $\pm$ 0.378 χ^2 /NDF:188836.9/4

1157.212 $\pm$ 0.250 χ^2 /NDF: 1602287.9/23

1145.762 $\pm$ 0.253 χ^2 /NDF: 1661277.6/24

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 1641.466 ± 482.369 χ^2/NDF : 13.9/6

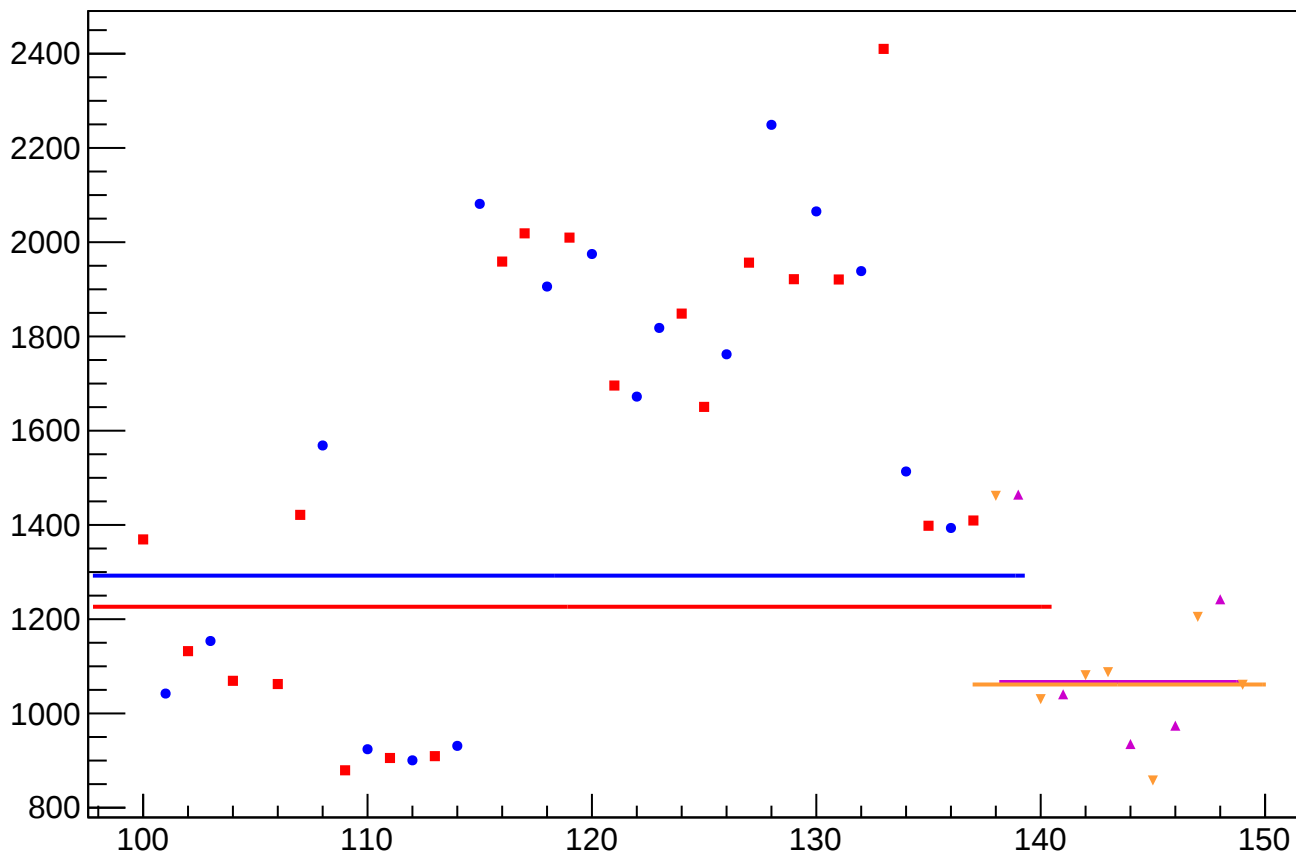
Right Out: 919.892 ± 484.043 χ^2/NDF : 12.2/19

Left In: 951.361 ± 538.918 χ^2/NDF : 2.6/4

932.077 ± 355.846 χ^2/NDF : 43.3/23

933.943 ± 360.113 χ^2/NDF : 14.8/24

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1061.436+/-0.341 χ^2/NDF :219031.1/6

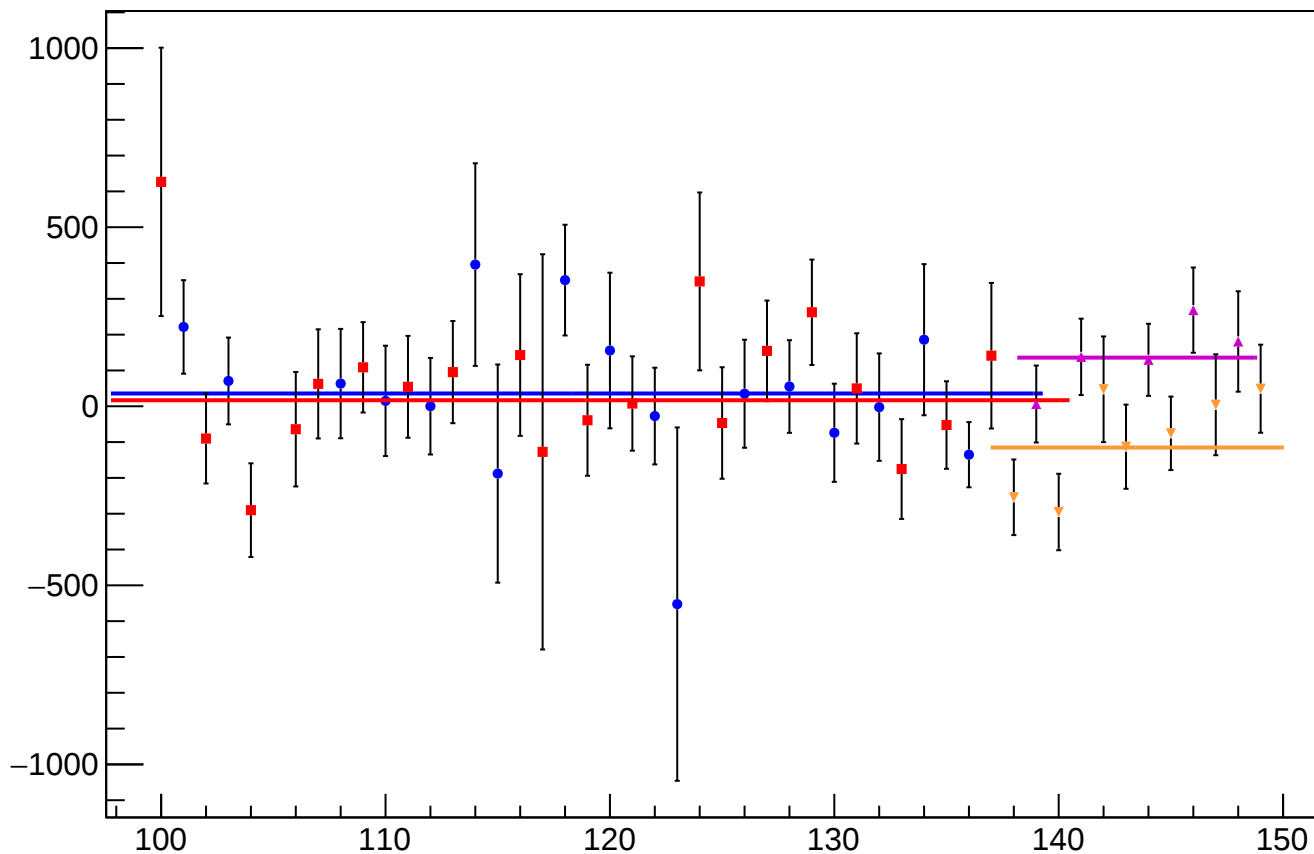
Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

Left In: 1066.706+/-0.381 χ^2/NDF :187268.8/4

1166.719+/-0.252 χ^2/NDF : 1584643.5/23

1155.100+/-0.255 χ^2/NDF : 1643614.8/24

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 +/- 36.350 χ^2/NDF : 15.3/16

Left Out: -115.172 +/- 44.402 χ^2/NDF : 8.4/6

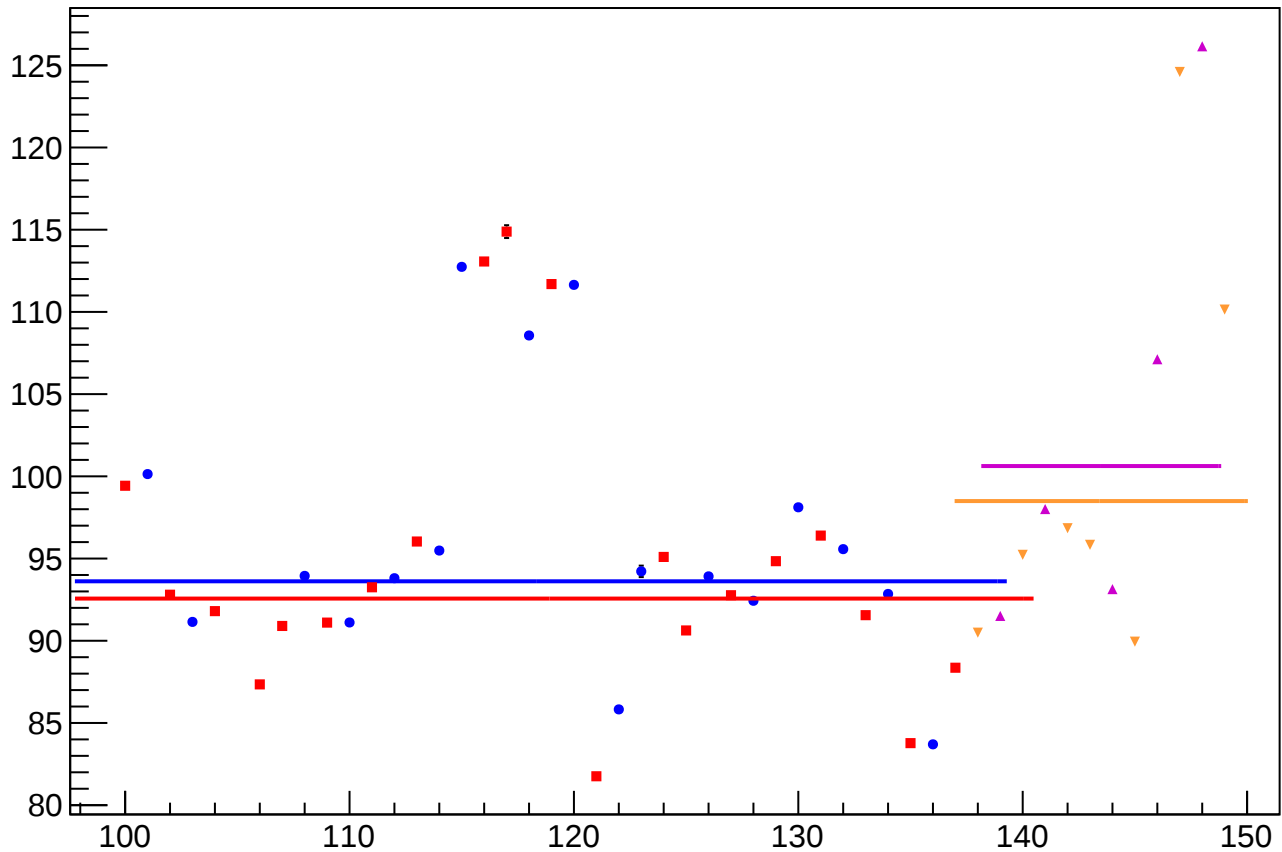
Right Out: 16.849 +/- 34.623 χ^2/NDF : 19.0/19

Left In: 135.854 +/- 50.338 χ^2/NDF : 2.8/4

-24.854 +/- 28.127 χ^2/NDF : 30.6/23

55.067 +/- 28.526 χ^2/NDF : 25.6/24

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2 /NDF: 79928.5/16

Left Out: 98.496+/-0.031 χ^2 /NDF: 115079.9/6

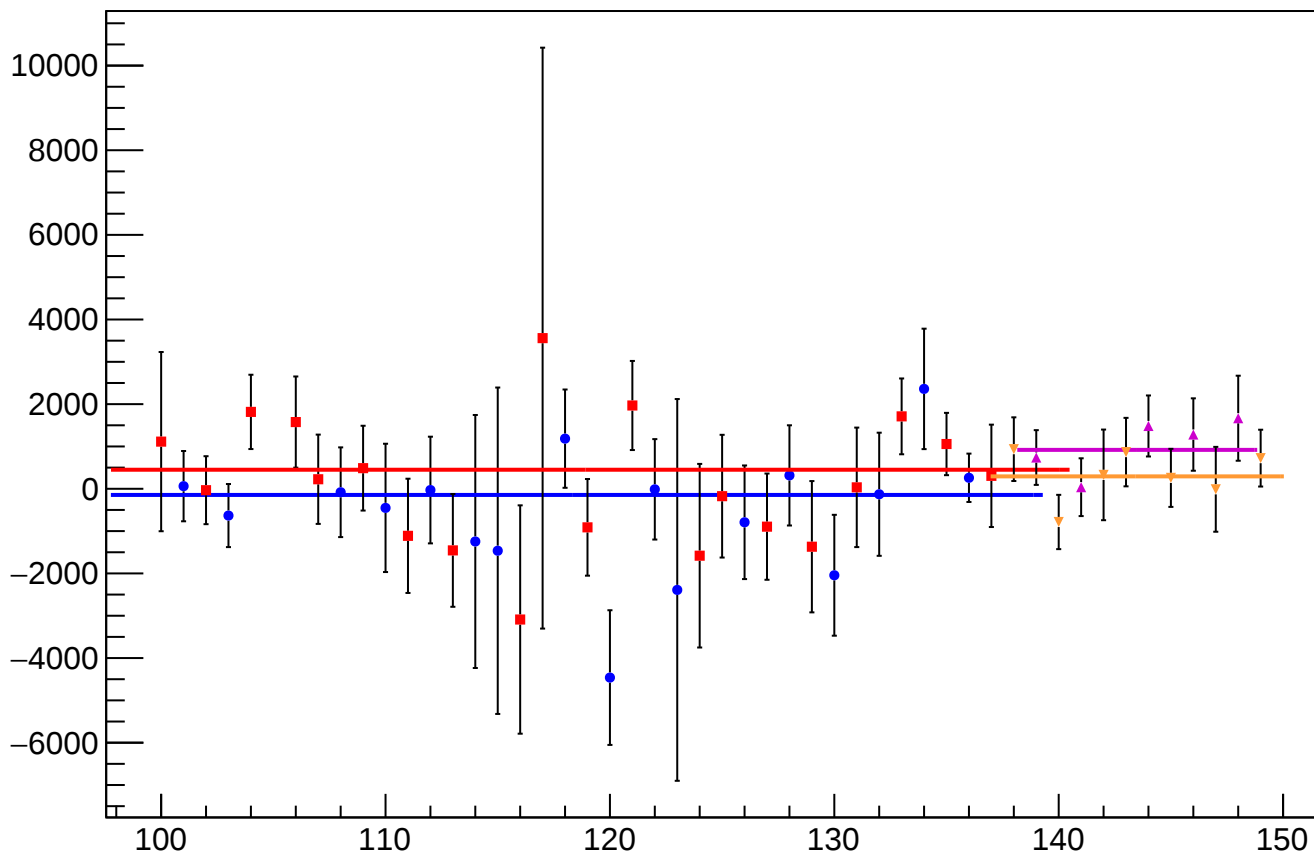
Right Out: 92.565+/-0.024 χ^2 /NDF: 81875.5/19

Left In: 100.625+/-0.036 χ^2 /NDF: 98966.3/4

95.574+/-0.020 χ^2 /NDF: 209471.0/23

95.154+/-0.020 χ^2 /NDF: 215651.2/24

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 293.147 ± 289.445 χ^2/NDF : 4.6/6

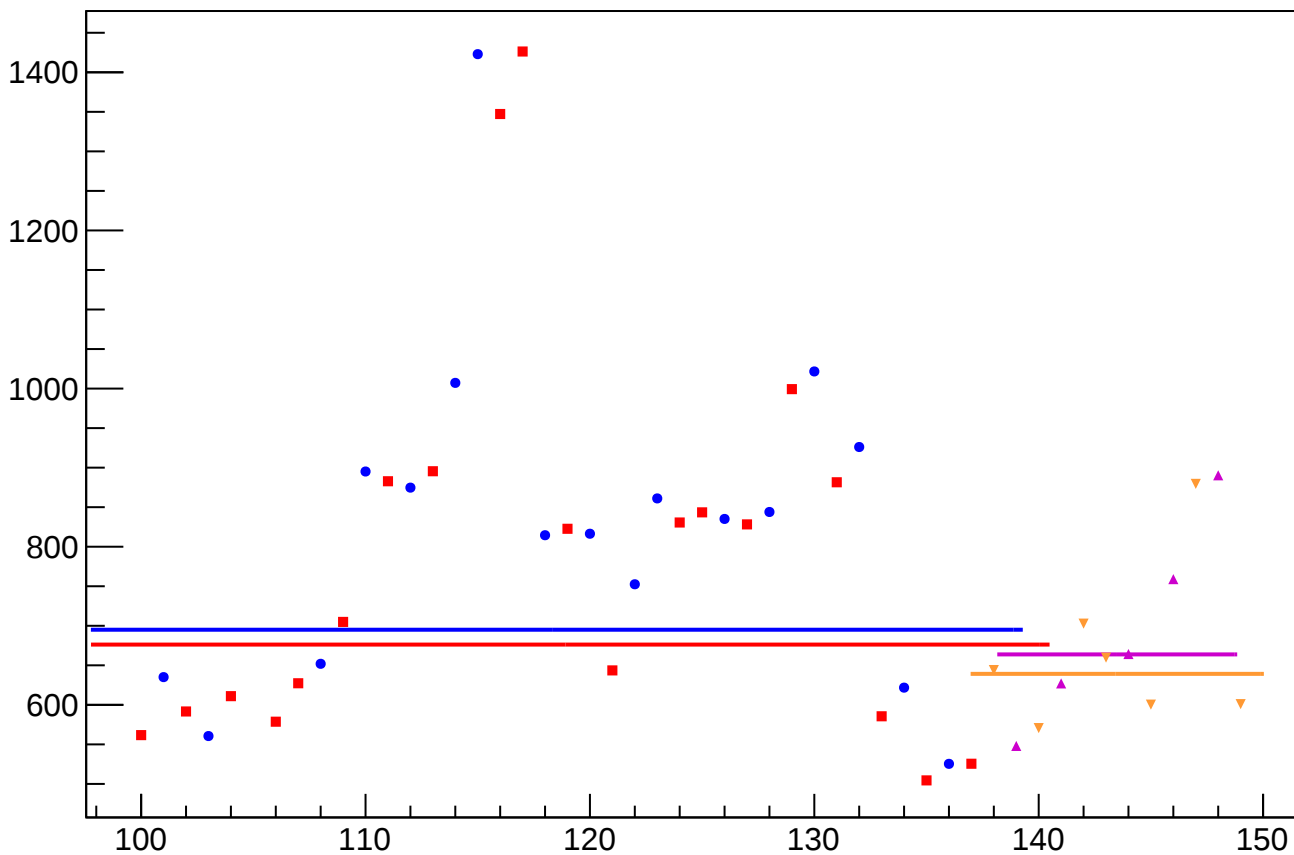
Right Out: 450.047 ± 260.089 χ^2/NDF : 19.2/19

Left In: 919.301 ± 336.777 χ^2/NDF : 3.1/4

63.917 ± 199.984 χ^2/NDF : 21.2/23

625.361 ± 205.848 χ^2/NDF : 23.5/24

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 ± 0.196 χ^2/NDF : 677713.0/16

Left Out: 639.198 ± 0.205 χ^2/NDF : 159091.6/6

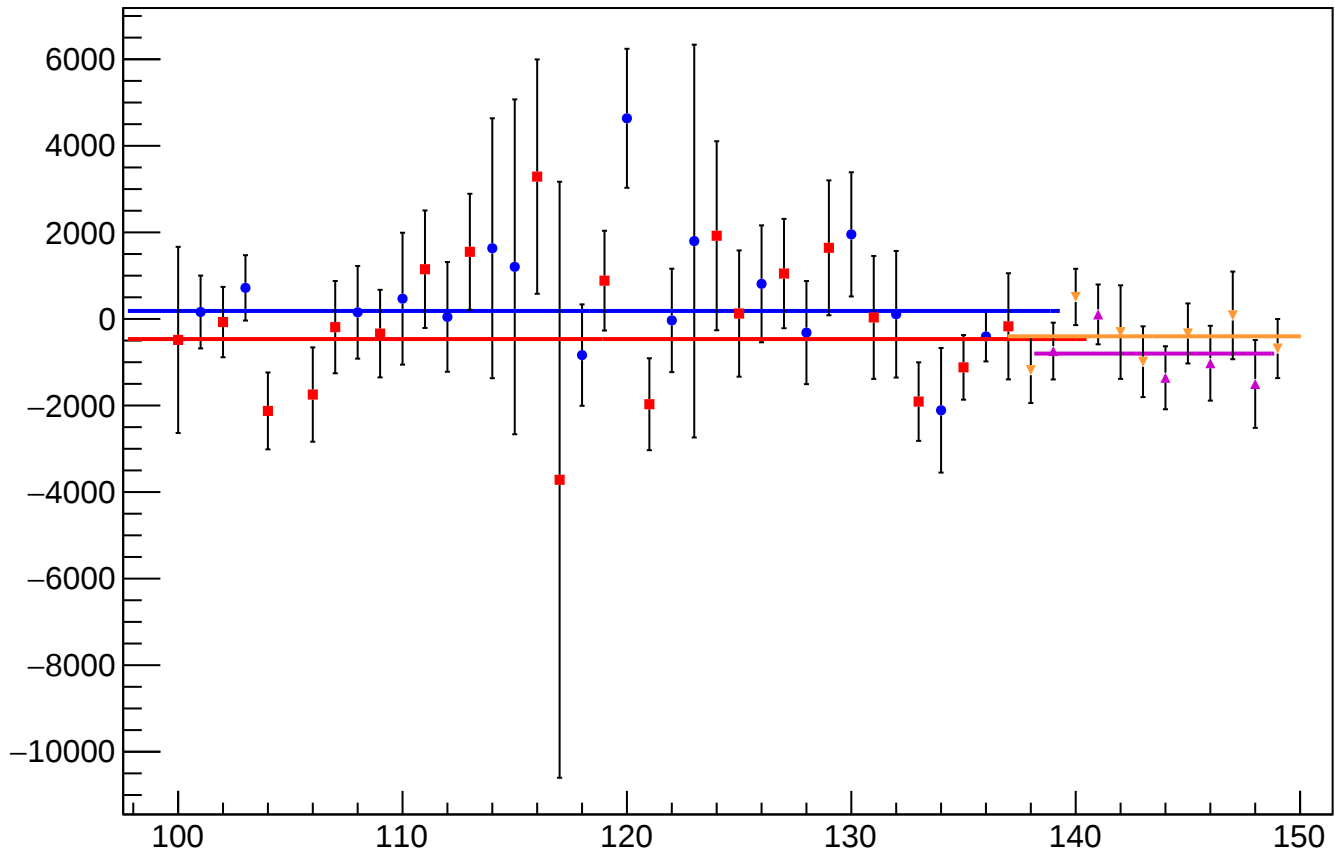
Right Out: 676.229 ± 0.184 χ^2/NDF : 700313.6/19

Left In: 663.807 ± 0.238 χ^2/NDF : 196281.9/4

668.369 ± 0.141 χ^2/NDF : 875674.5/23

671.588 ± 0.146 χ^2/NDF : 898300.2/24

asym_sam_15_dd_mean vs Slug



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -401.194 $\pm$ 293.024 χ^2 /NDF: 3.9/6

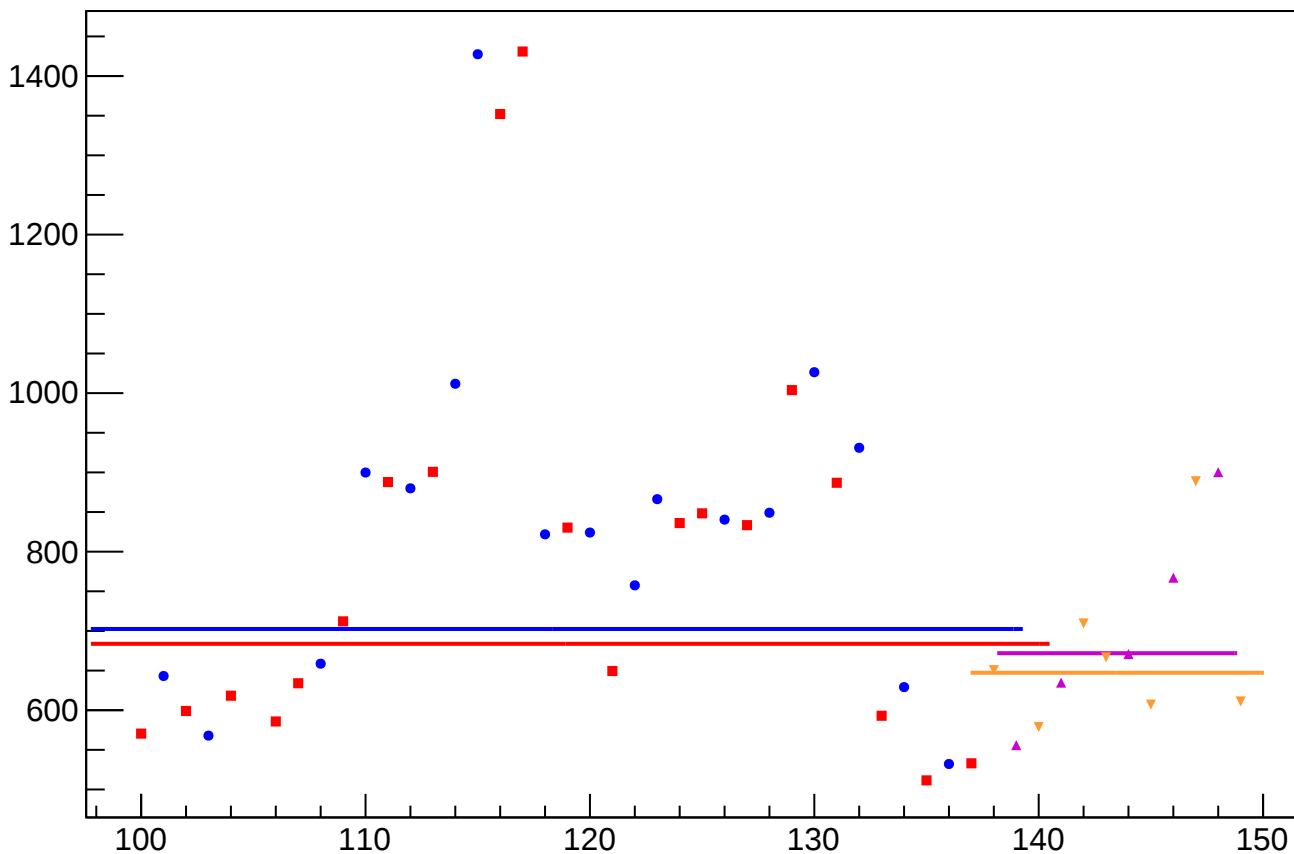
Right Out: -464.916 $\pm$ 262.768 χ^2 /NDF: 22.5/19

Left In: -800.638 $\pm$ 340.751 χ^2 /NDF: 2.9/4

-94.395 $\pm$ 202.207 χ^2 /NDF: 21.0/23

-590.110 $\pm$ 208.084 χ^2 /NDF: 26.0/24

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 647.267+/-0.207 χ^2/NDF : 156088.6/6

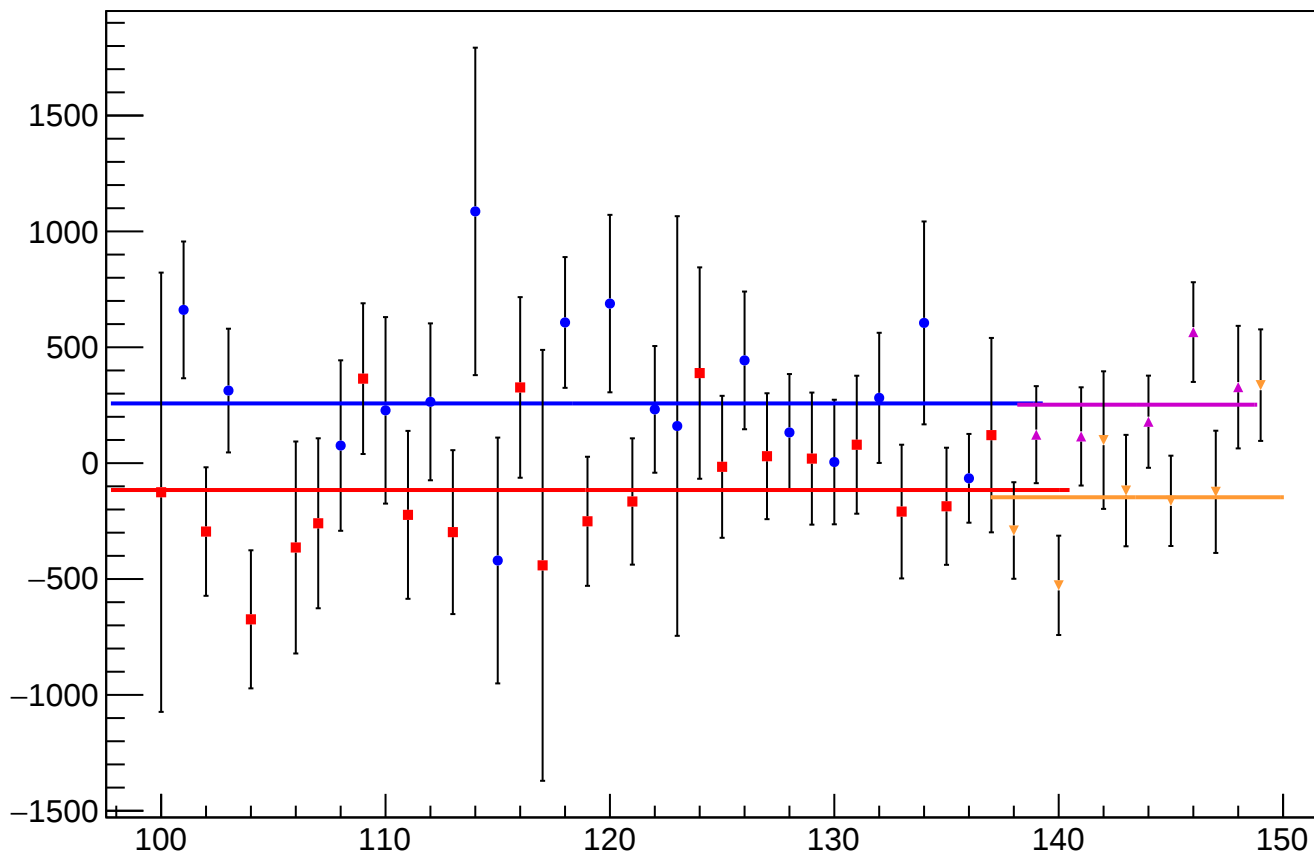
Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

Left In: 671.928+/-0.241 χ^2/NDF : 193759.0/4

676.182+/-0.143 χ^2/NDF : 853793.2/23

679.342+/-0.147 χ^2/NDF : 878374.3/24

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -147.159 $\pm$ 87.224 χ^2 /NDF: 8.4/6

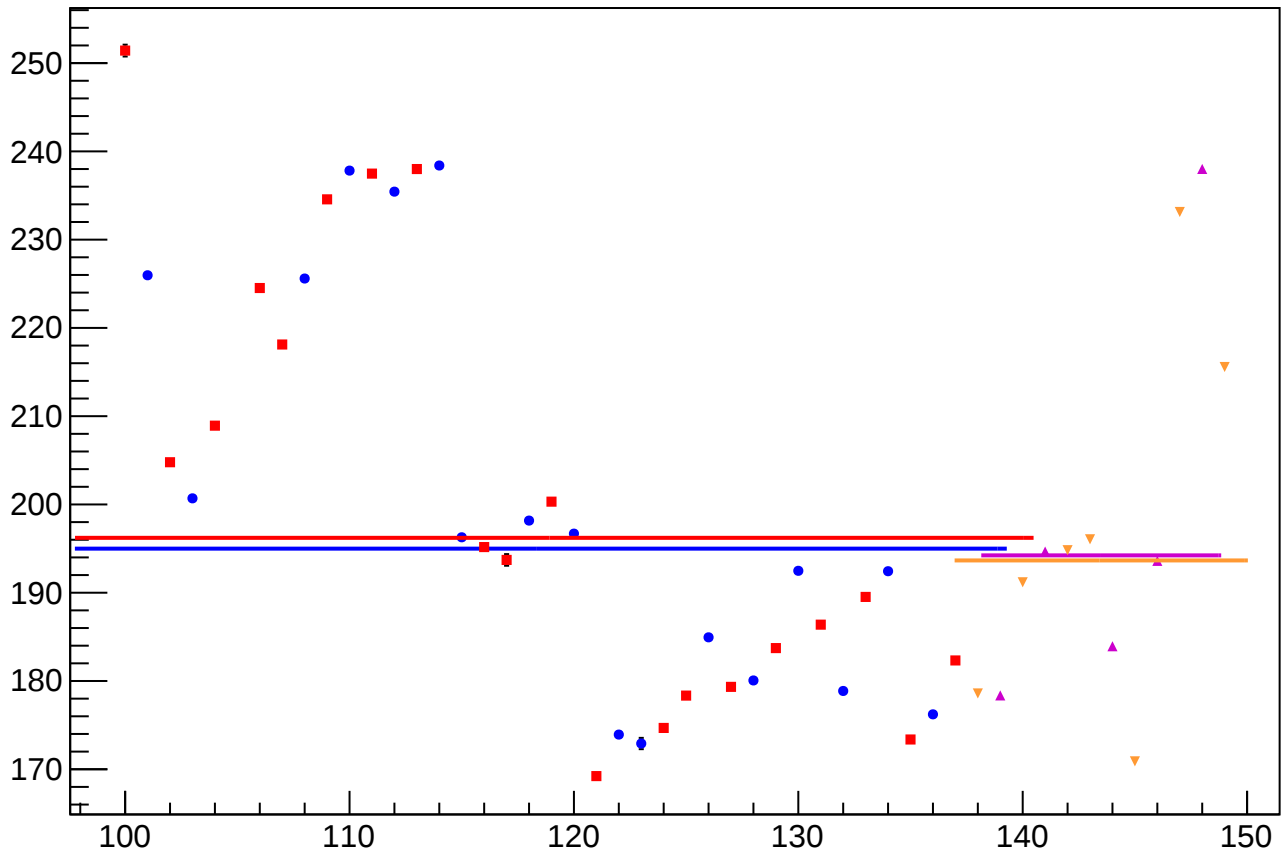
Right Out: -115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

Left In: 252.239 $\pm$ 97.005 χ^2 /NDF: 3.1/4

83.172 $\pm$ 57.271 χ^2 /NDF: 33.6/23

19.455 $\pm$ 58.823 χ^2 /NDF: 23.6/24

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 193.658 $\pm$ 0.062 χ^2 /NDF: 99647.9/6

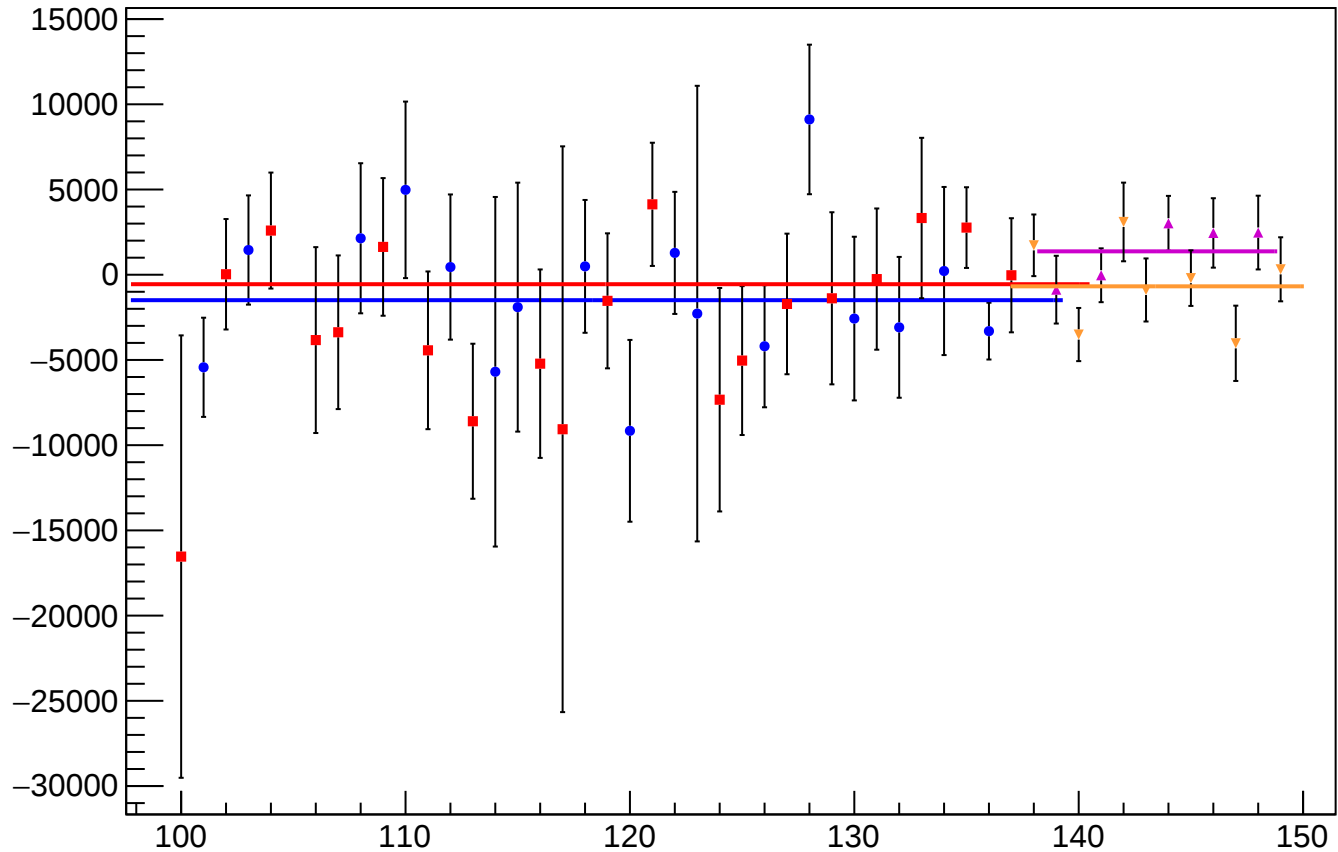
Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

Left In: 194.232 $\pm$ 0.069 χ^2 /NDF: 71700.8/4

194.418 $\pm$ 0.040 χ^2 /NDF: 244186.1/23

195.488 $\pm$ 0.042 χ^2 /NDF: 245737.8/24

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -680.695 ± 696.563 χ^2/NDF : 10.4/6

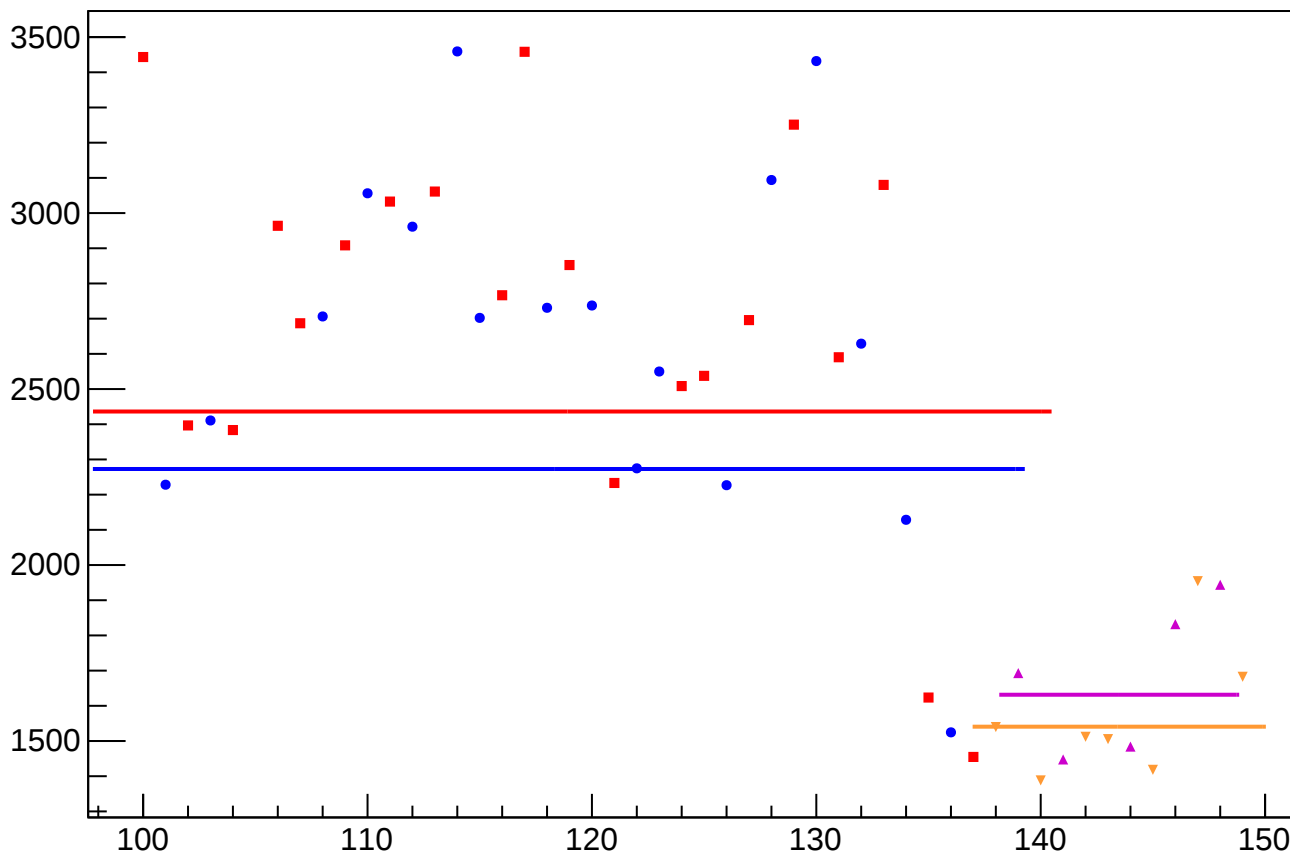
Right Out: -555.744 ± 933.239 χ^2/NDF : 14.9/19

Left In: 1371.985 ± 817.771 χ^2/NDF : 3.7/4

-980.558 ± 553.308 χ^2/NDF : 27.1/23

534.691 ± 615.048 χ^2/NDF : 21.0/24

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1540.721+/-0.493 χ^2/NDF : 112915.1/6

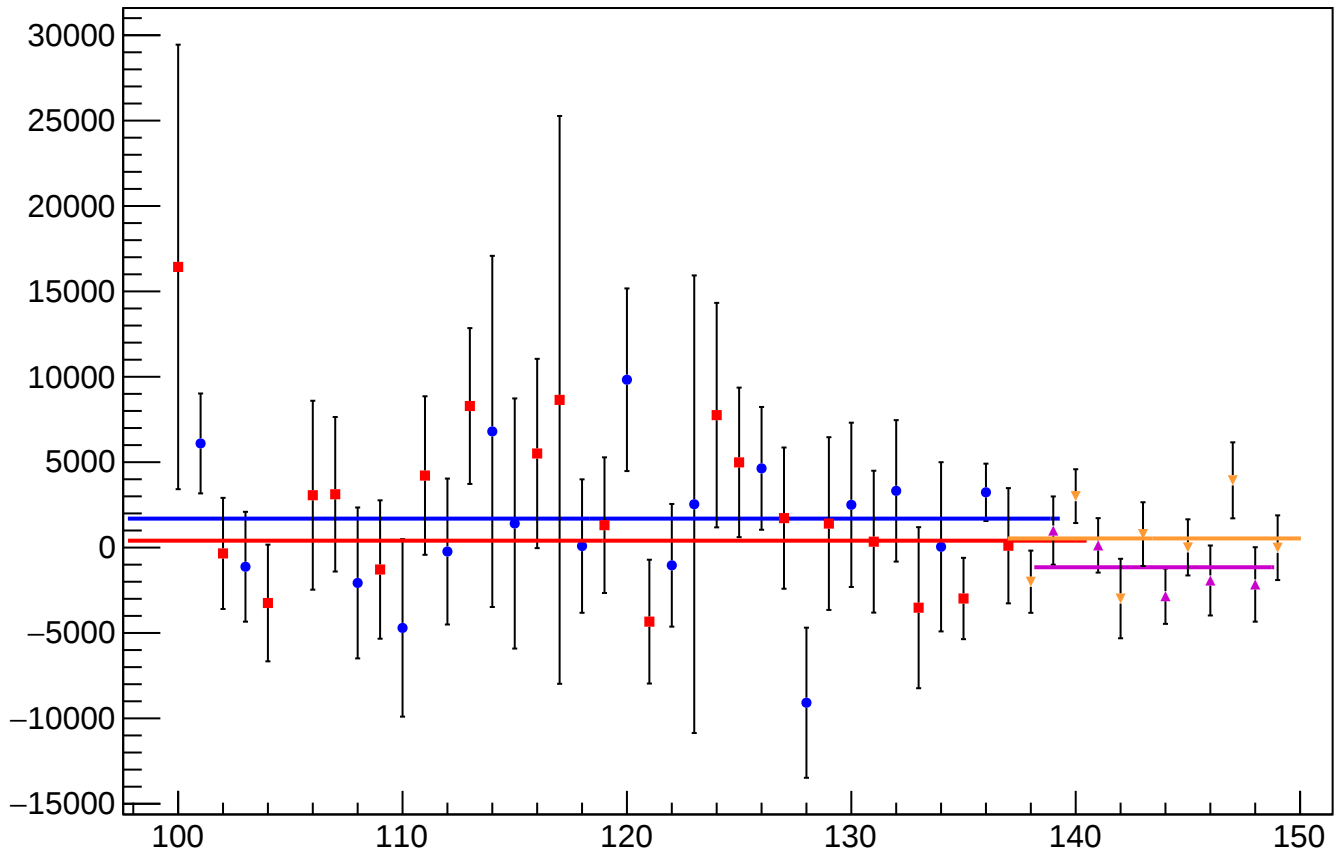
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1631.477+/-0.578 χ^2/NDF : 106907.6/4

1810.906+/-0.391 χ^2/NDF : 1733982.4/23

1980.998+/-0.435 χ^2/NDF : 1636464.2/24

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 ± 914.855 χ^2/NDF : 16.6/16

Left Out: 534.772 ± 702.228 χ^2/NDF : 9.2/6

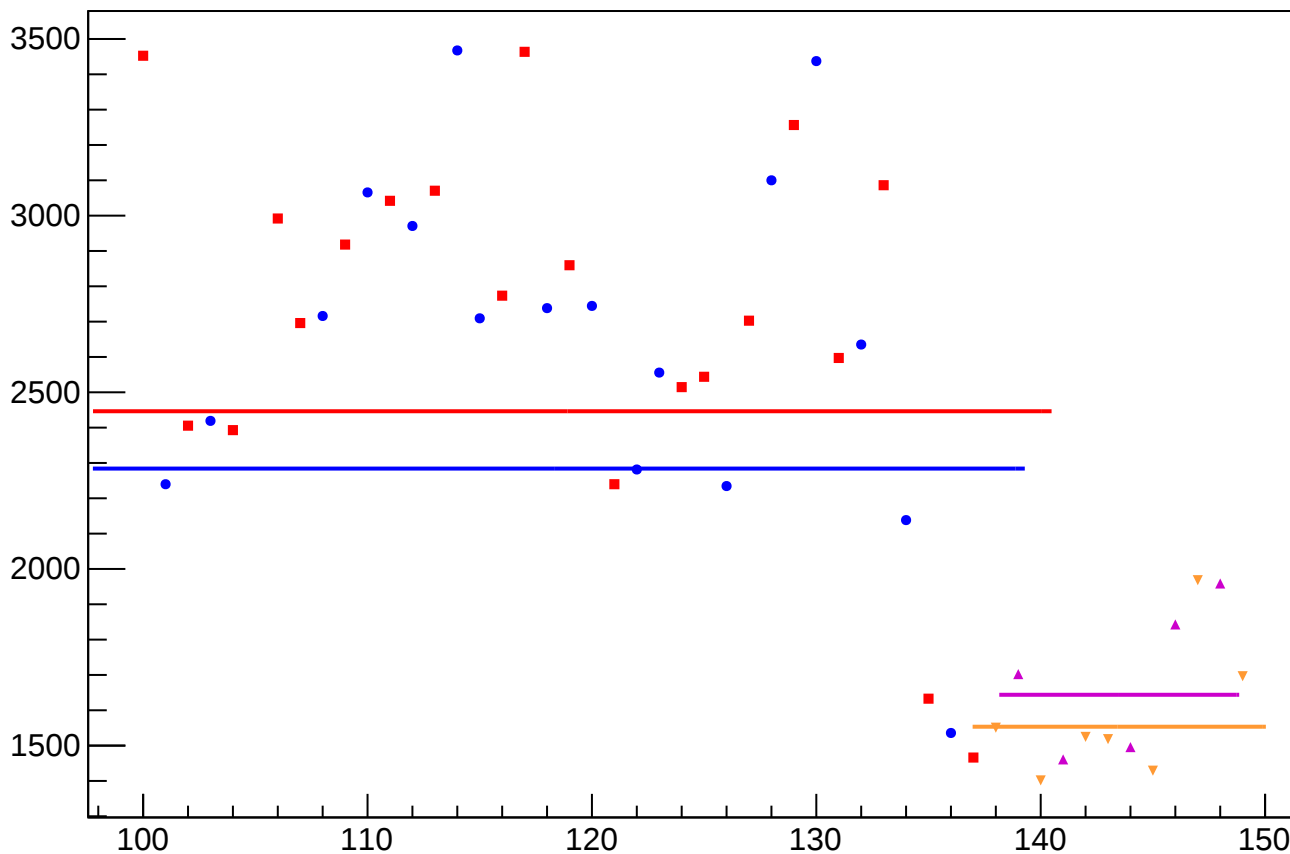
Right Out: 403.904 ± 937.036 χ^2/NDF : 15.2/19

Left In: -1151.229 ± 823.848 χ^2/NDF : 3.2/4

965.277 ± 557.046 χ^2/NDF : 26.9/23

-473.213 ± 618.717 χ^2/NDF : 20.0/24

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1553.469+/-0.497 χ^2/NDF : 111964.8/6

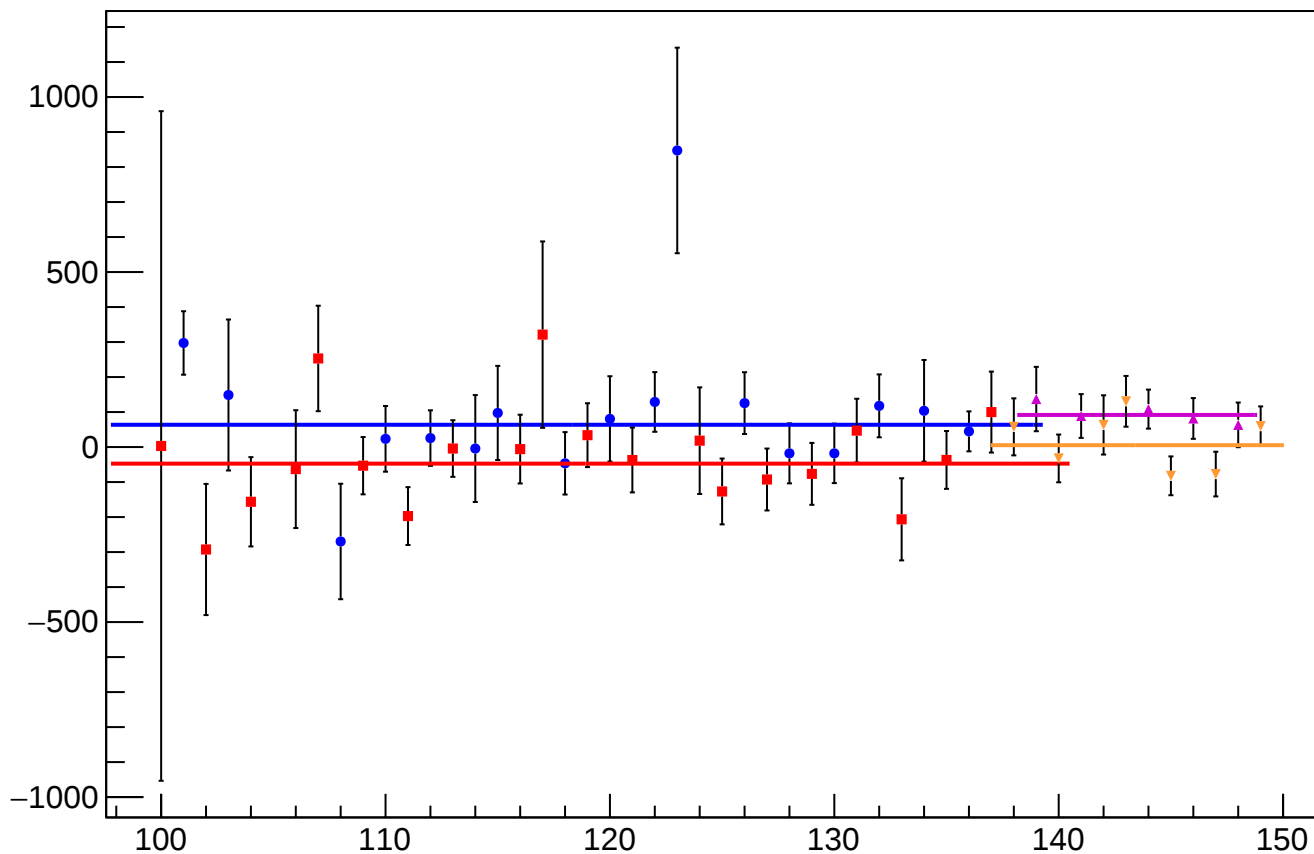
Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

Left In: 1643.861+/-0.583 χ^2/NDF : 105393.3/4

1824.349+/-0.394 χ^2/NDF : 1708654.9/23

1993.742+/-0.437 χ^2/NDF : 1613184.1/24

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: 5.343 ± 25.152 χ^2/NDF : 9.3/6

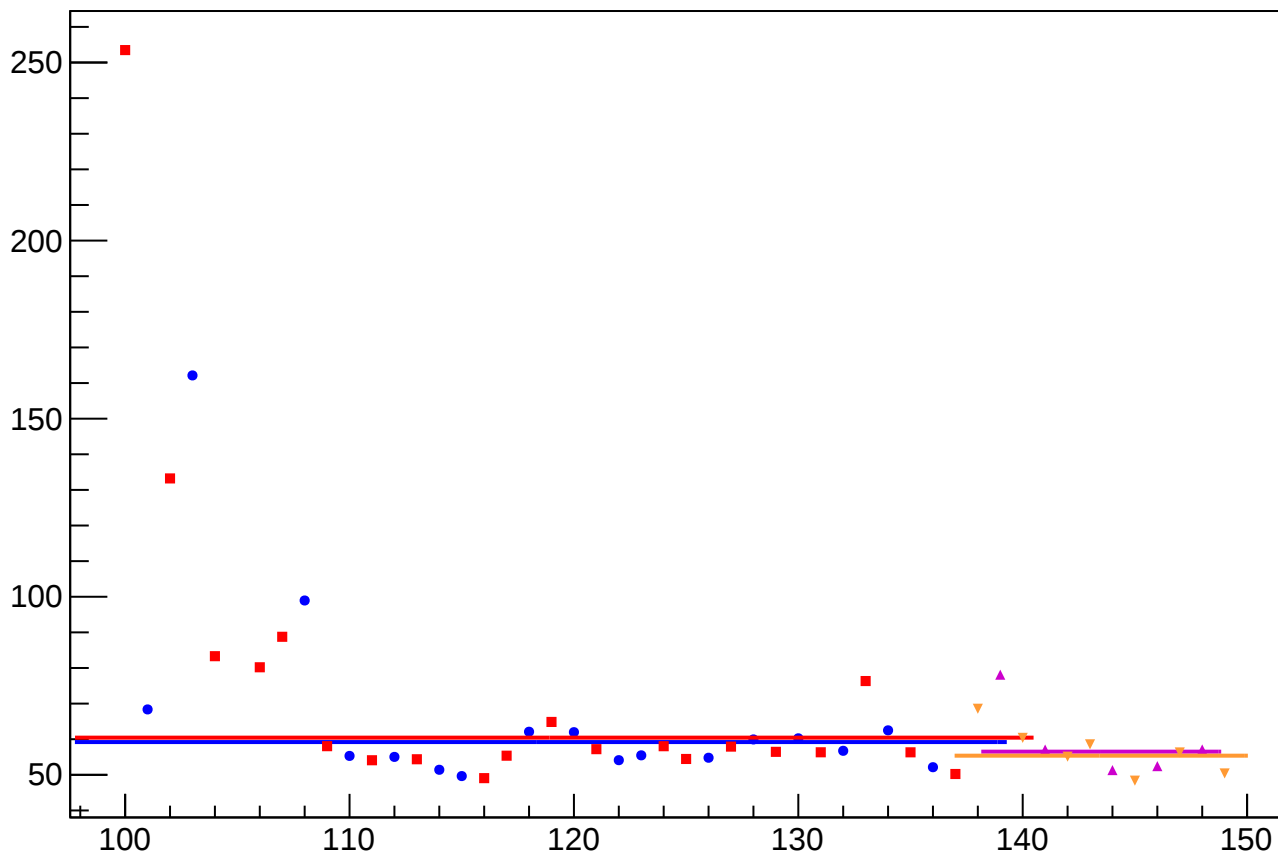
Right Out: -47.367 ± 23.568 χ^2/NDF : 18.7/19

Left In: 91.750 ± 28.436 χ^2/NDF : 0.6/4

36.184 ± 17.265 χ^2/NDF : 35.8/23

9.283 ± 18.146 χ^2/NDF : 33.5/24

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 55.380 $\pm$ 0.018 χ^2 /NDF: 115012.1/6

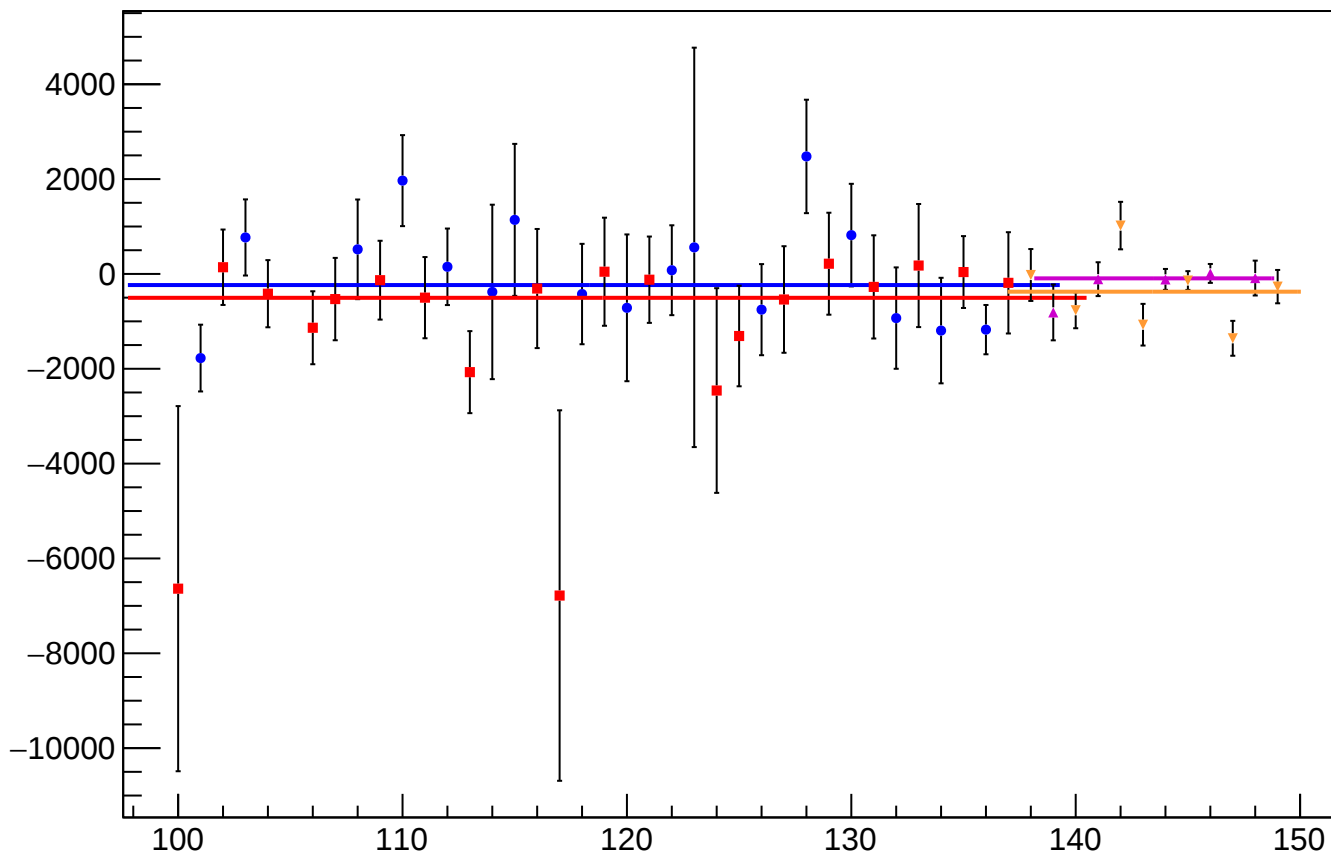
Right Out: 60.443 $\pm$ 0.017 χ^2 /NDF: 680790.3/19

Left In: 56.507 $\pm$ 0.020 χ^2 /NDF: 137899.5/4

57.400 $\pm$ 0.012 χ^2 /NDF: 804885.3/23

58.840 $\pm$ 0.013 χ^2 /NDF: 841404.3/24

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -374.428 ± 128.601 χ^2/NDF : 20.4/6

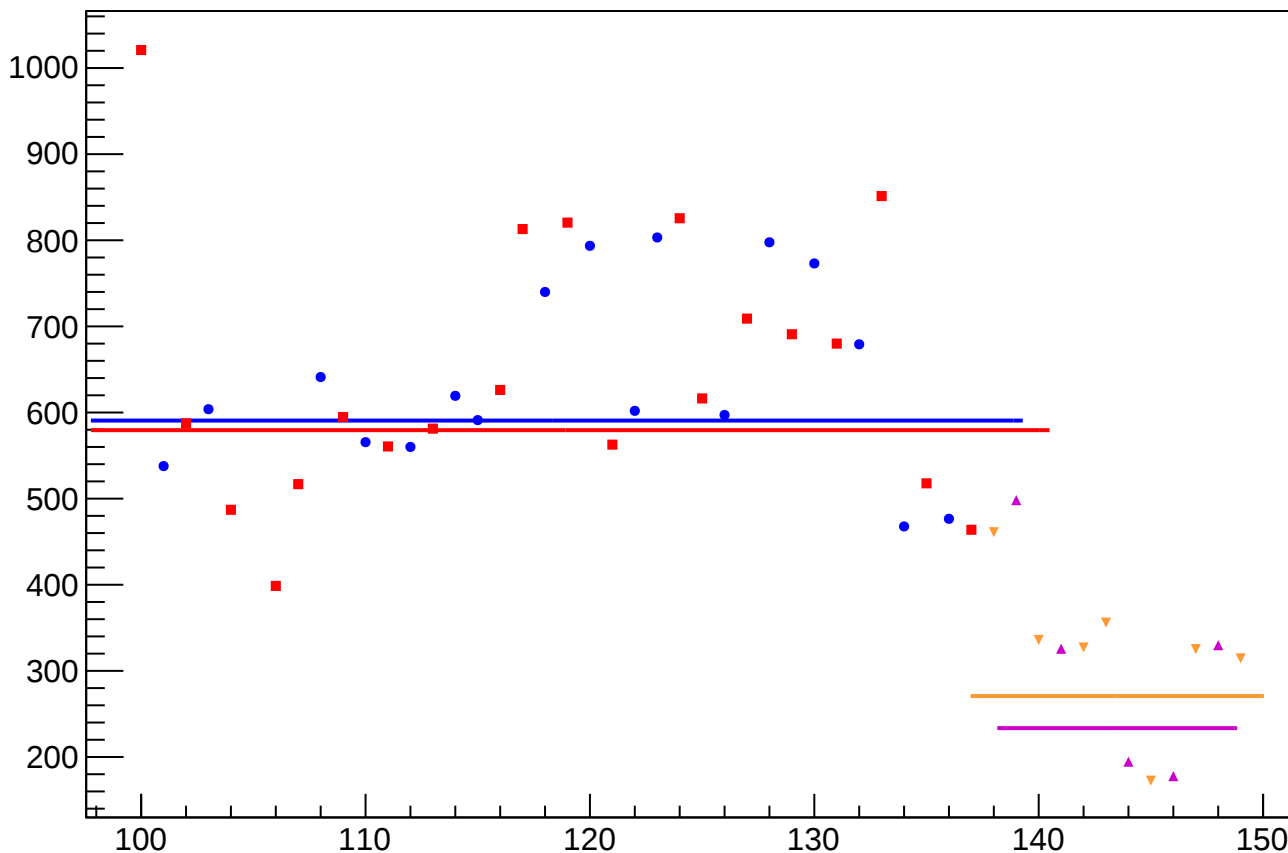
Right Out: -503.638 ± 221.955 χ^2/NDF : 13.2/19

Left In: -93.457 ± 125.193 χ^2/NDF : 1.8/4

-341.941 ± 112.689 χ^2/NDF : 44.8/23

-192.459 ± 109.043 χ^2/NDF : 17.5/24

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 270.789+/-0.091 χ^2/NDF : 968941.5/6

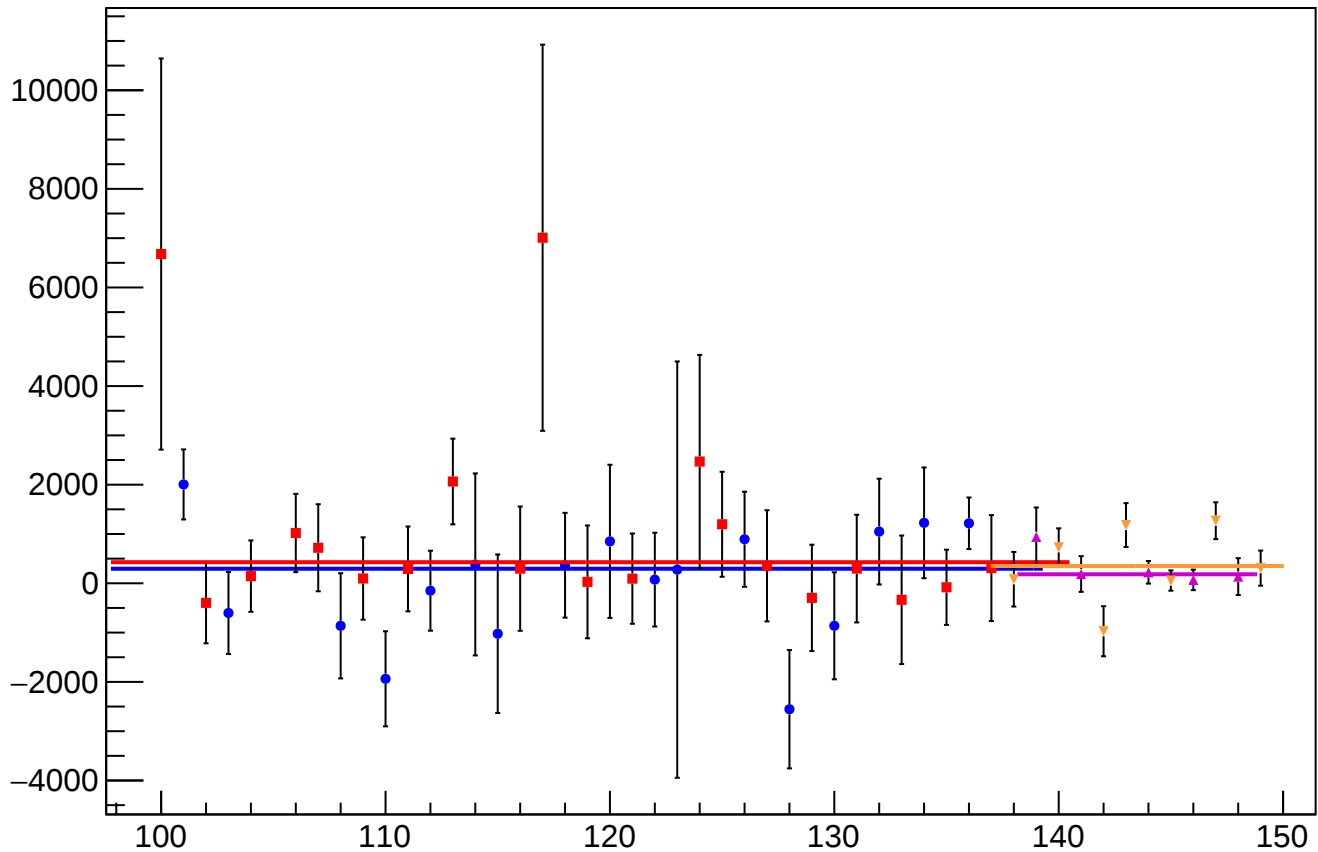
Right Out: 579.509+/-0.157 χ^2/NDF : 501132.1/19

Left In: 233.521+/-0.089 χ^2/NDF : 893935.2/4

345.048+/-0.080 χ^2/NDF : 4193554.7/23

317.029+/-0.077 χ^2/NDF : 5081942.2/24

asym_sam_37_dd_mean vs Slug



Right In: 295.401+/-235.860 χ^2/NDF : 26.1/16

Left Out: 350.676+/-131.761 χ^2/NDF : 19.6/6

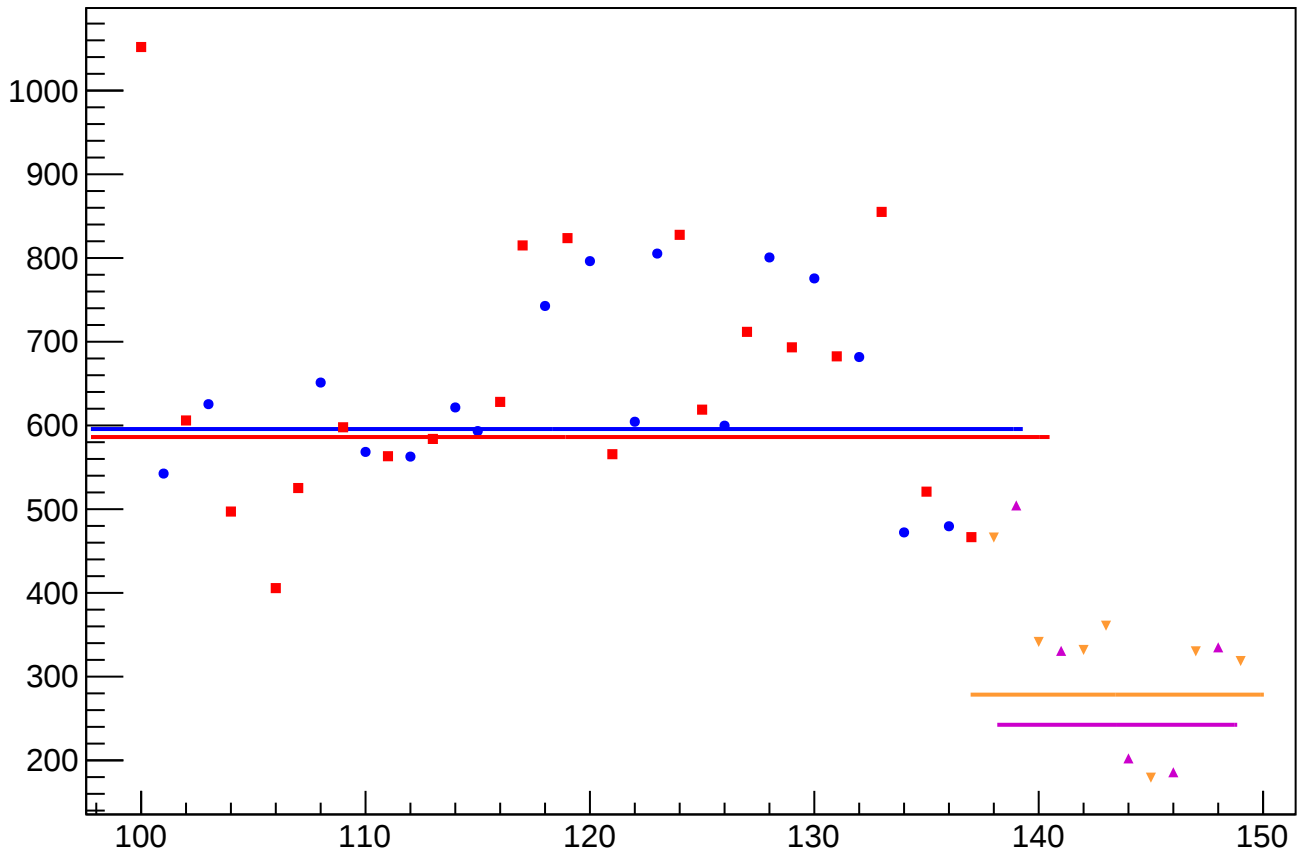
Right Out: 427.853+/-224.485 χ^2/NDF : 13.8/19

Left In: 182.544+/-129.351 χ^2/NDF : 2.0/4

337.529+/-115.029 χ^2/NDF : 45.7/23

243.690+/-112.077 χ^2/NDF : 16.7/24

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 278.495 $\pm$ 0.093 χ^2 /NDF:902385.9/6

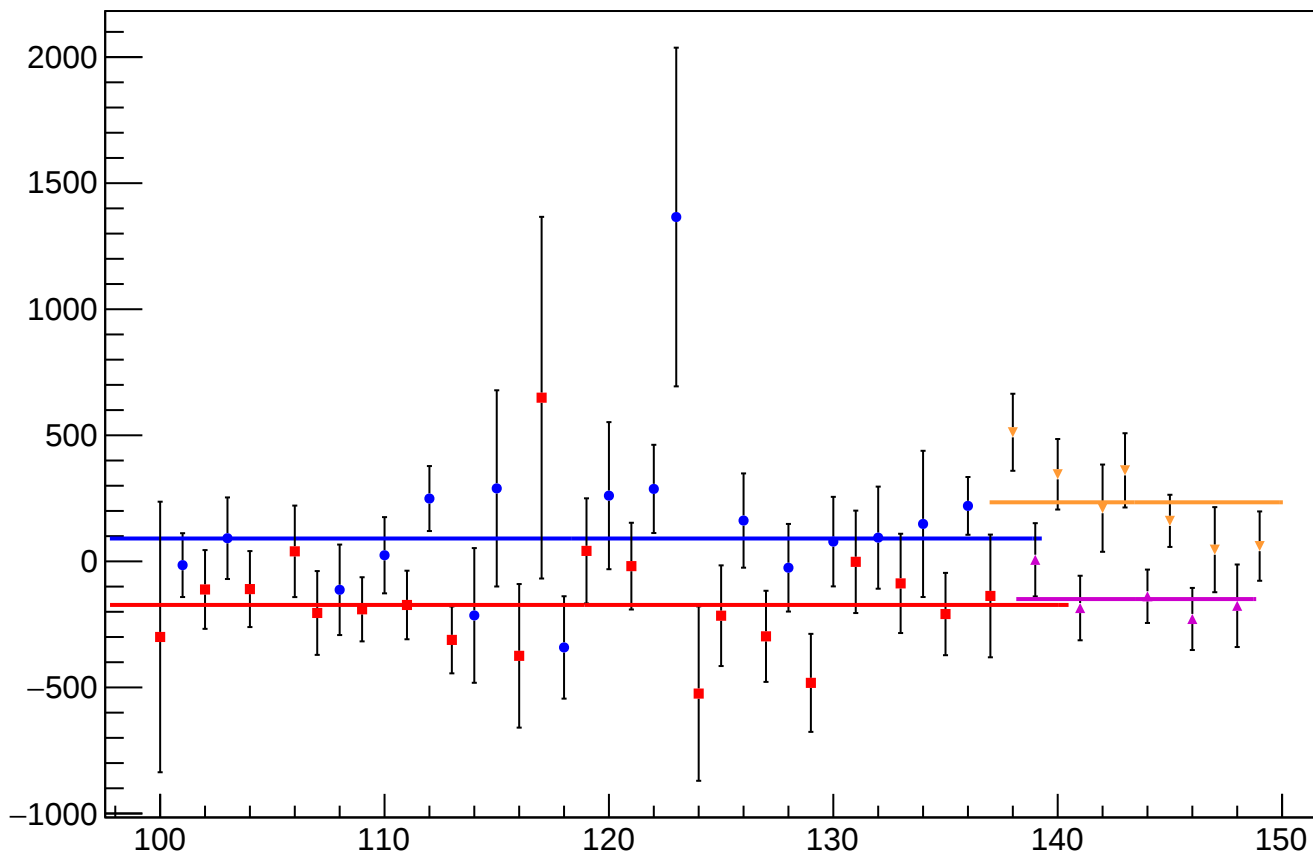
Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

Left In: 242.483 $\pm$ 0.091 χ^2 /NDF:838000.7/4

353.950 $\pm$ 0.081 χ^2 /NDF: 4010052.4/23

328.153 $\pm$ 0.079 χ^2 /NDF: 4838847.5/24

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 234.252 ± 53.080 χ^2/NDF : 8.0/6

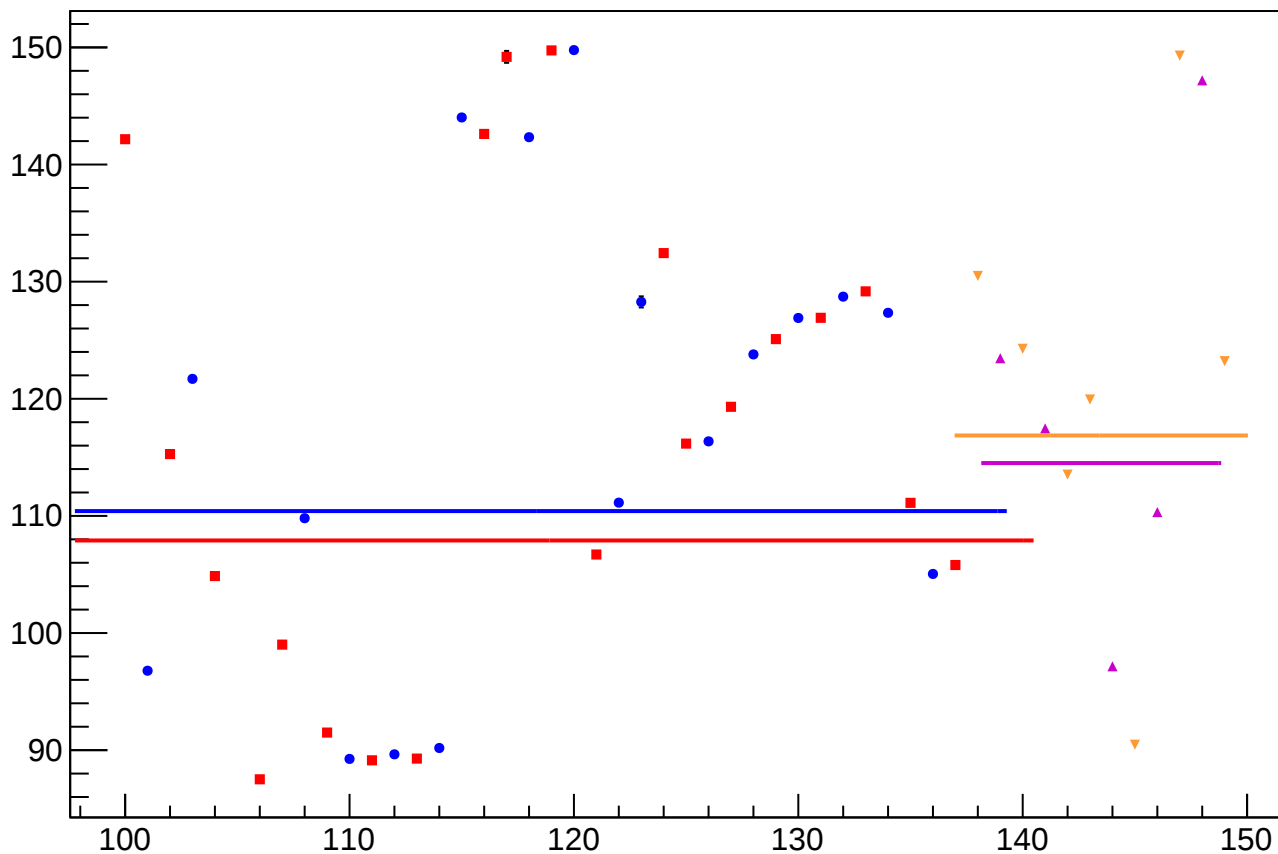
Right Out: -172.786 ± 41.033 χ^2/NDF : 11.6/19

Left In: -149.501 ± 57.643 χ^2/NDF : 1.7/4

148.084 ± 33.558 χ^2/NDF : 29.3/23

-164.955 ± 33.429 χ^2/NDF : 13.4/24

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 ± 0.031 χ^2/NDF : 296425.4/16

Left Out: 116.867 ± 0.038 χ^2/NDF : 231546.5/6

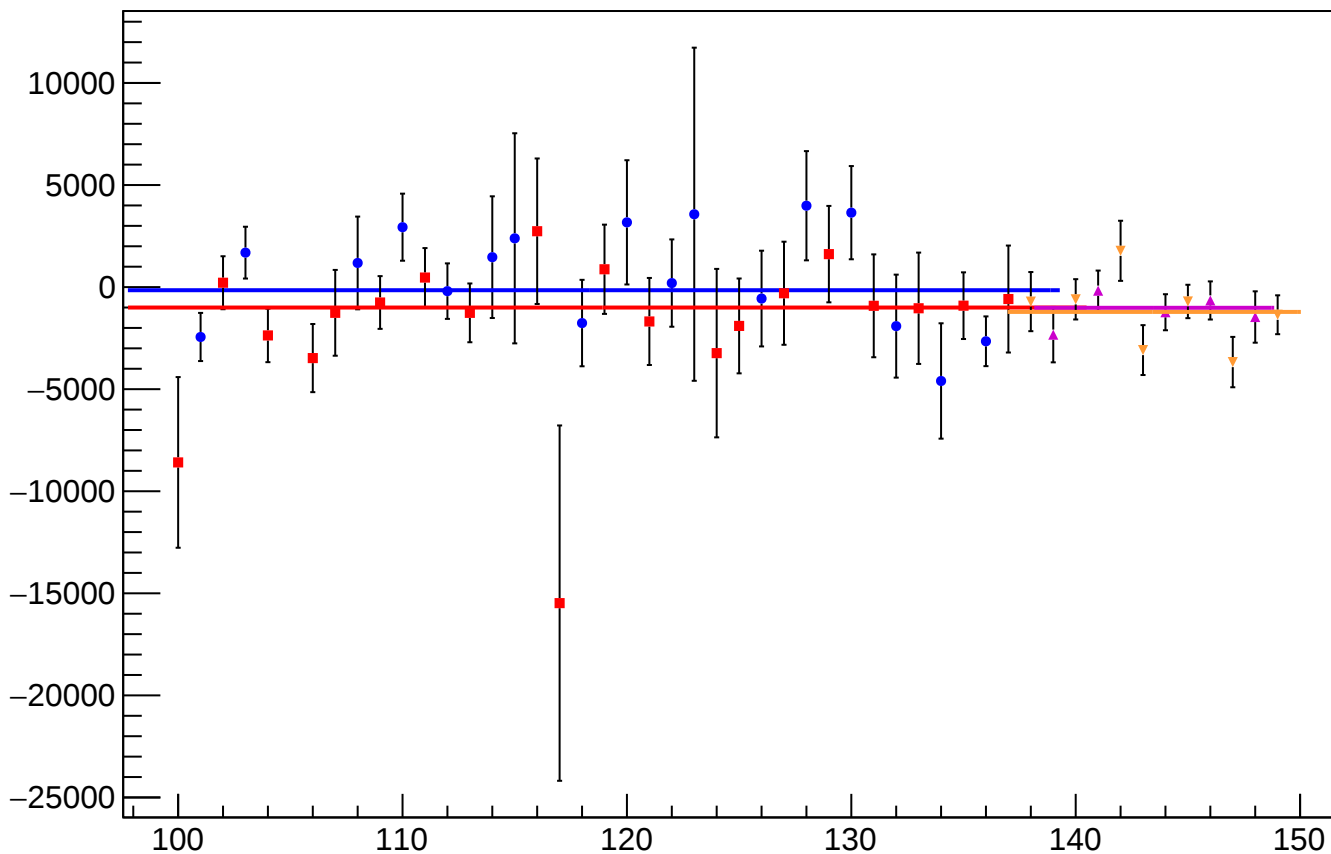
Right Out: 107.903 ± 0.029 χ^2/NDF : 351091.4/19

Left In: 114.514 ± 0.041 χ^2/NDF : 144433.2/4

112.992 ± 0.024 χ^2/NDF : 545731.8/23

110.127 ± 0.024 χ^2/NDF : 512981.1/24

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1215.298 ± 412.068 χ^2/NDF : 11.4/6

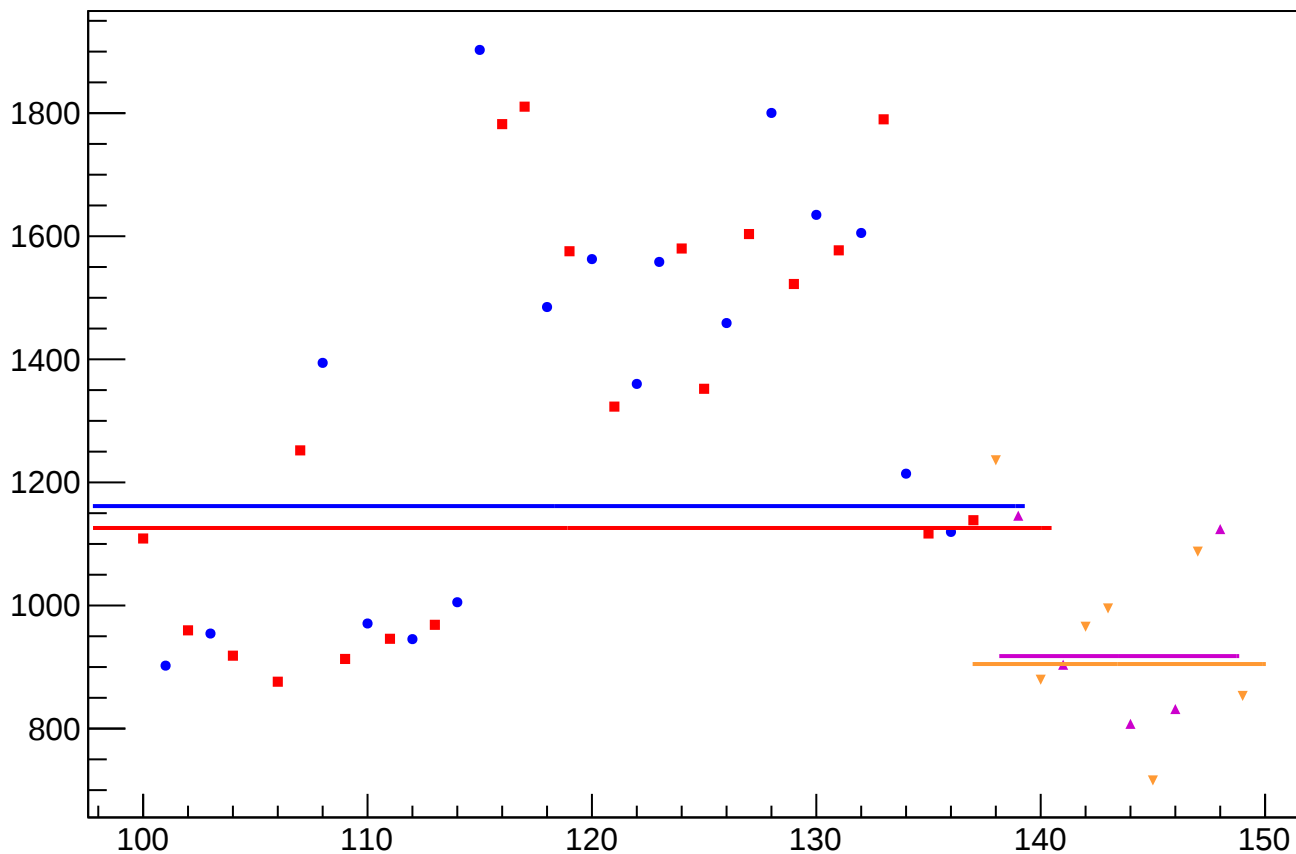
Right Out: -1000.907 ± 434.569 χ^2/NDF : 15.1/19

Left In: -1013.999 ± 464.449 χ^2/NDF : 2.0/4

-747.485 ± 308.328 χ^2/NDF : 39.0/23

-1007.019 ± 317.324 χ^2/NDF : 17.1/24

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 904.901+/-0.291 χ^2/NDF : 276857.8/6

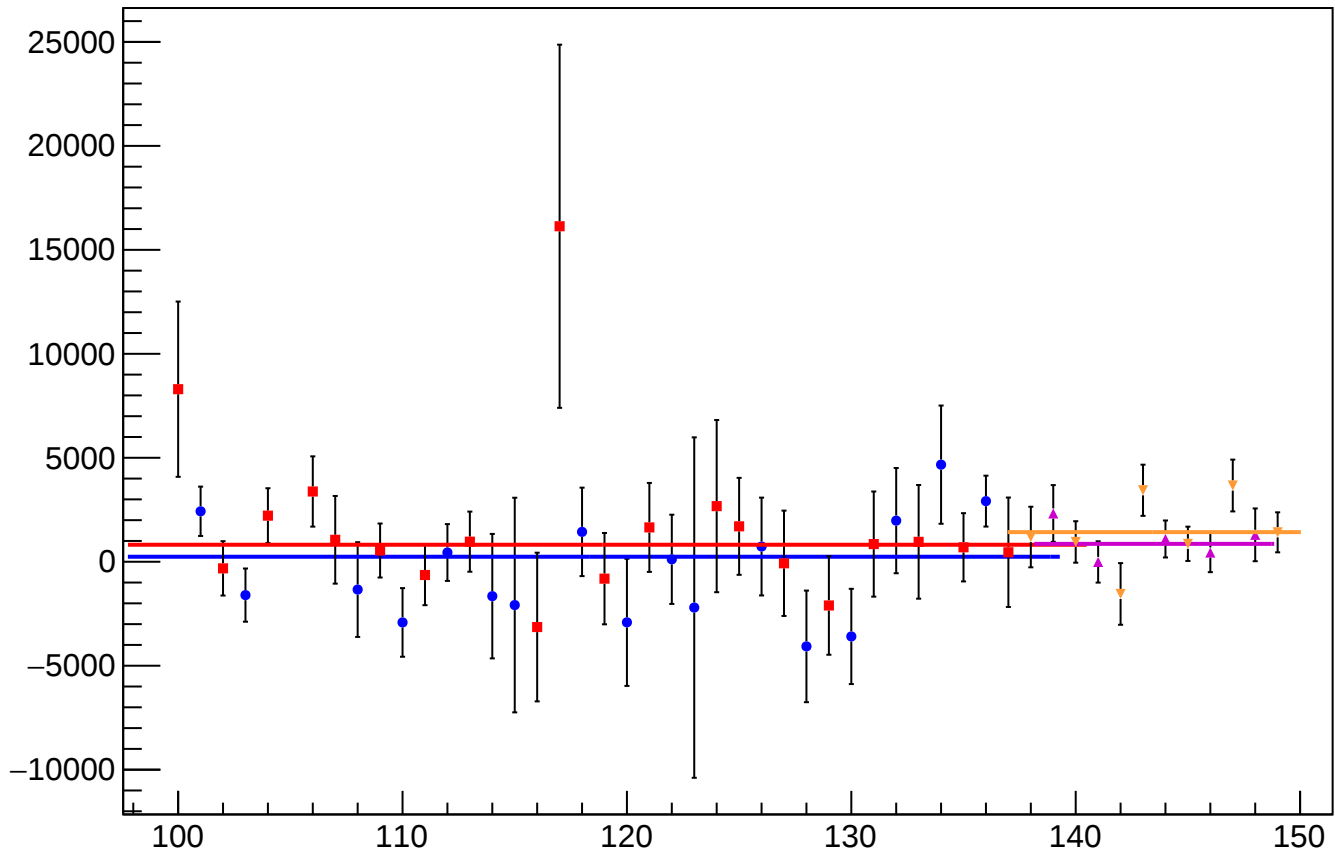
Right Out: 1125.946+/-0.307 χ^2/NDF : 780195.3/19

Left In: 917.806+/-0.328 χ^2/NDF : 158838.7/4

1017.852+/-0.218 χ^2/NDF : 1314181.0/23

1028.786+/-0.224 χ^2/NDF : 1153201.9/24

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1424.490 $\pm$ 415.633 χ^2 /NDF:10.7/6

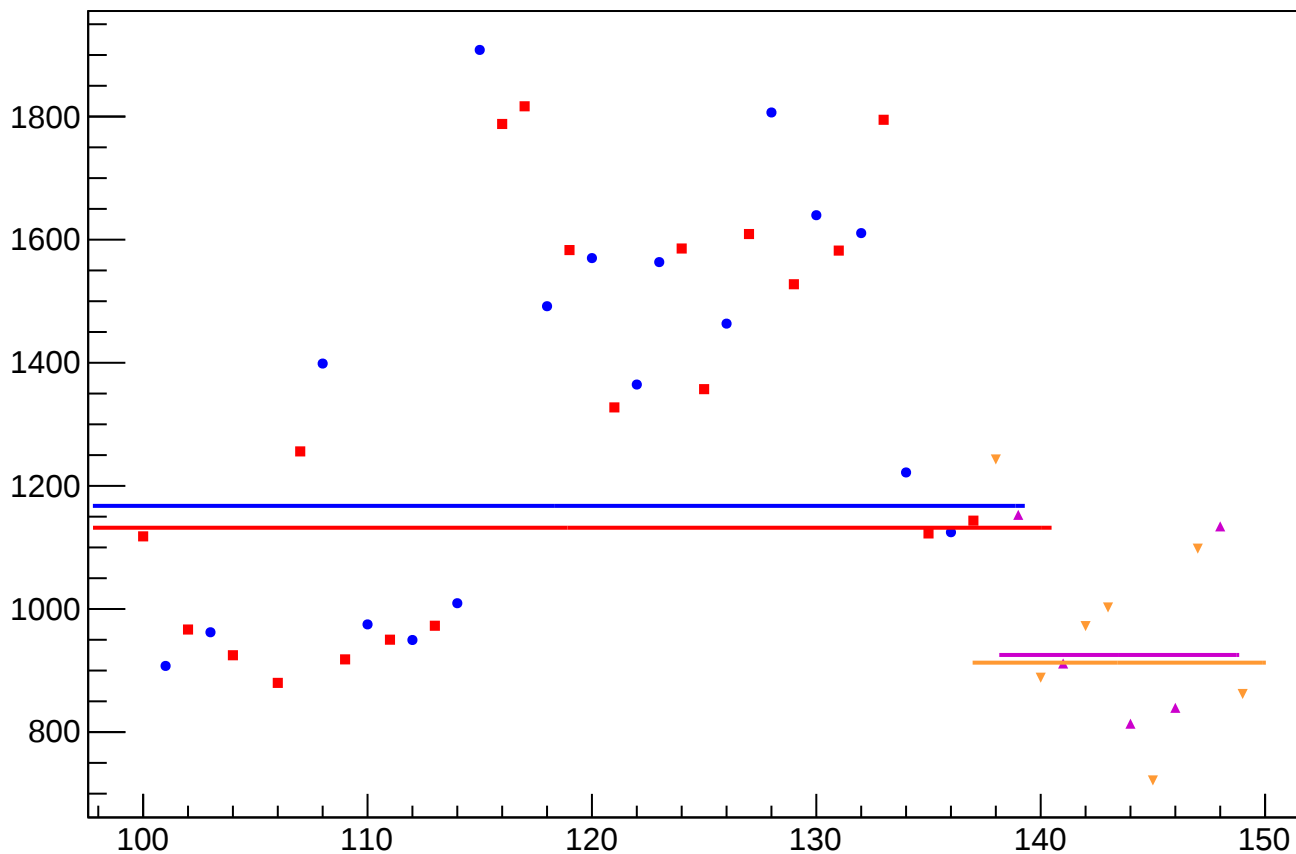
Right Out: 817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

Left In: 860.217 $\pm$ 468.191 χ^2 /NDF:2.3/4

901.316 $\pm$ 310.486 χ^2 /NDF: 39.1/23

837.457 $\pm$ 319.440 χ^2 /NDF: 17.7/24

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 912.828+/-0.294 χ^2/NDF : 275319.1/6

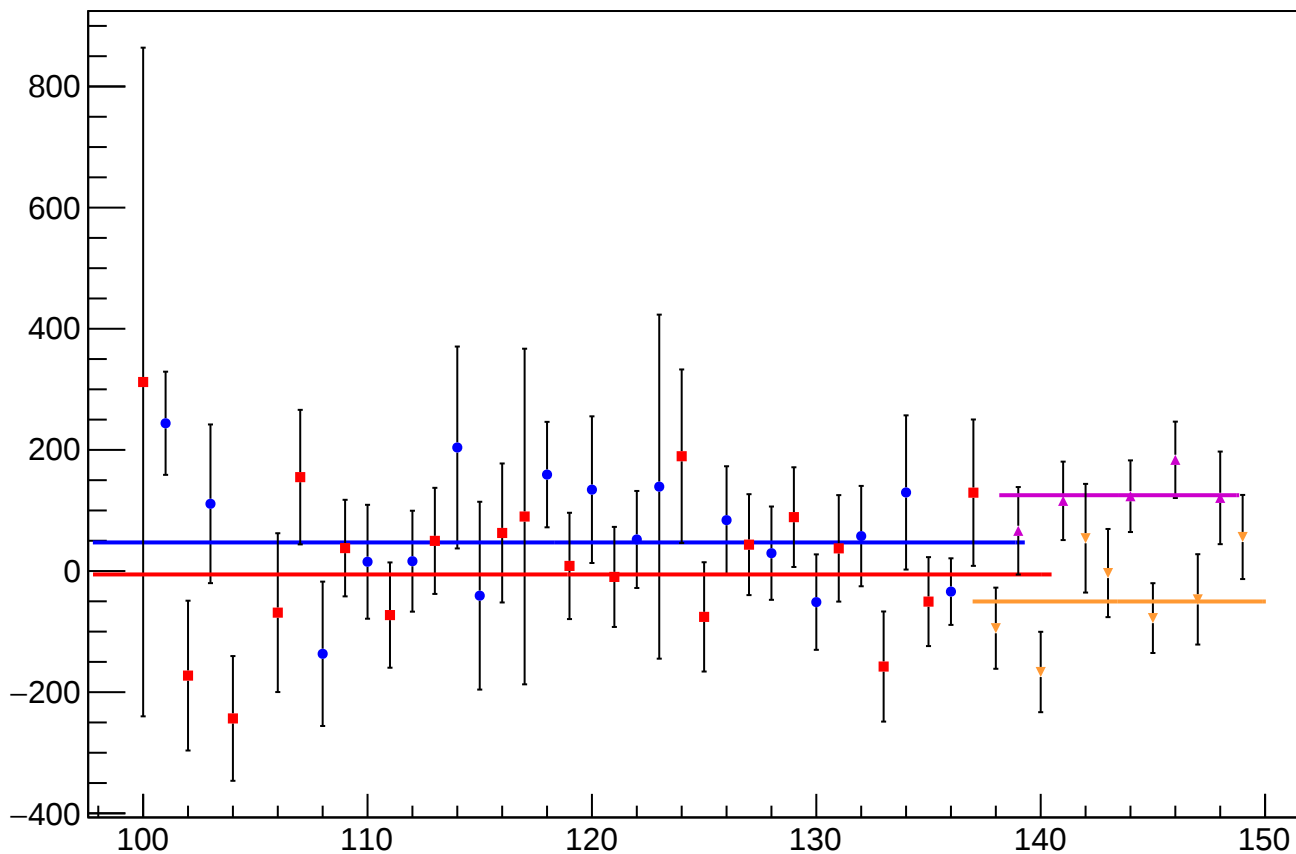
Right Out: 1132.019+/-0.309 χ^2/NDF : 773827.8/19

Left In: 925.336+/-0.331 χ^2/NDF : 158340.7/4

1025.400+/-0.220 χ^2/NDF : 1297767.6/23

1035.805+/-0.226 χ^2/NDF : 1140488.5/24

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -50.262 $\pm$ 26.251 χ^2 /NDF: 7.9/6

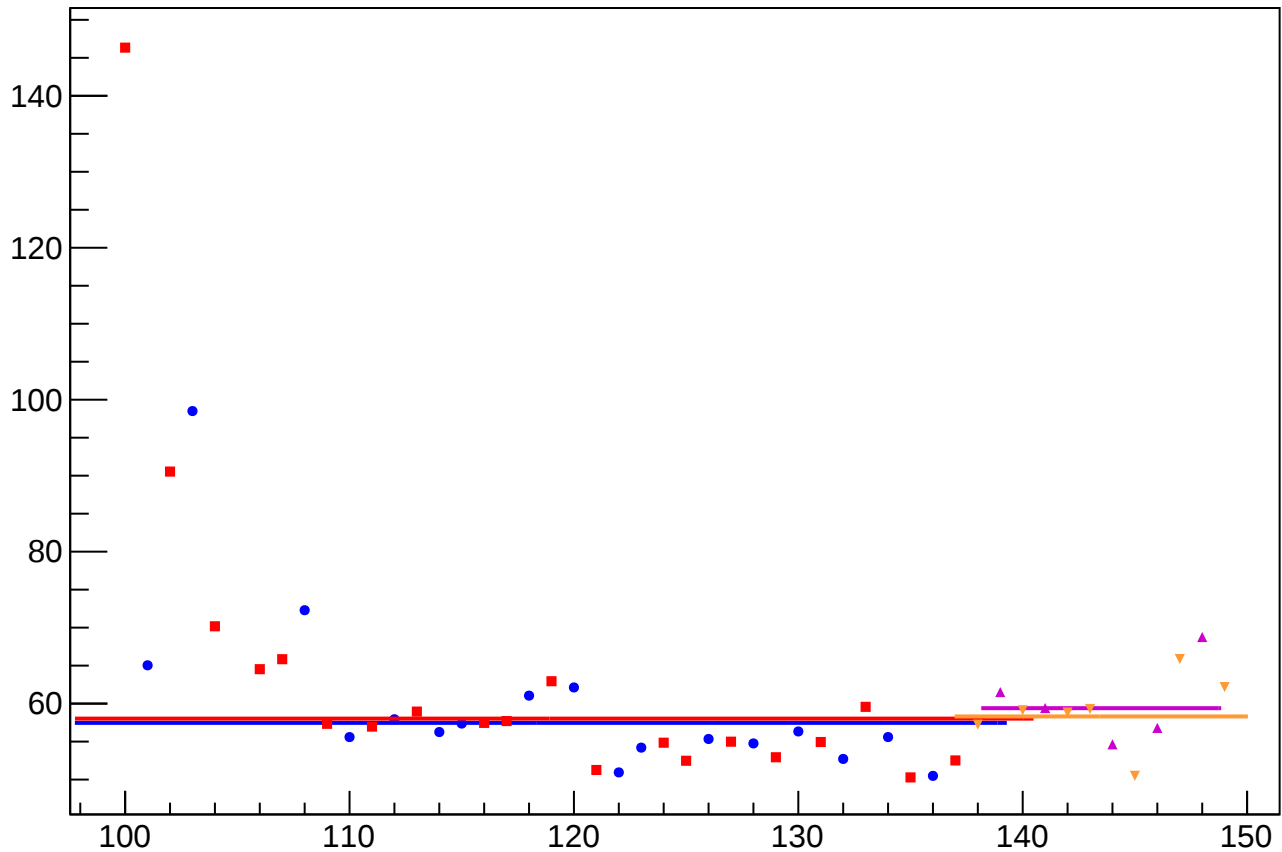
Right Out: -5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

Left In: 125.189 $\pm$ 29.634 χ^2 /NDF: 1.5/4

5.800 $\pm$ 17.112 χ^2 /NDF: 31.9/23

41.004 $\pm$ 17.694 χ^2 /NDF: 34.5/24

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 58.310+/-0.019 χ^2/NDF : 64741.6/6

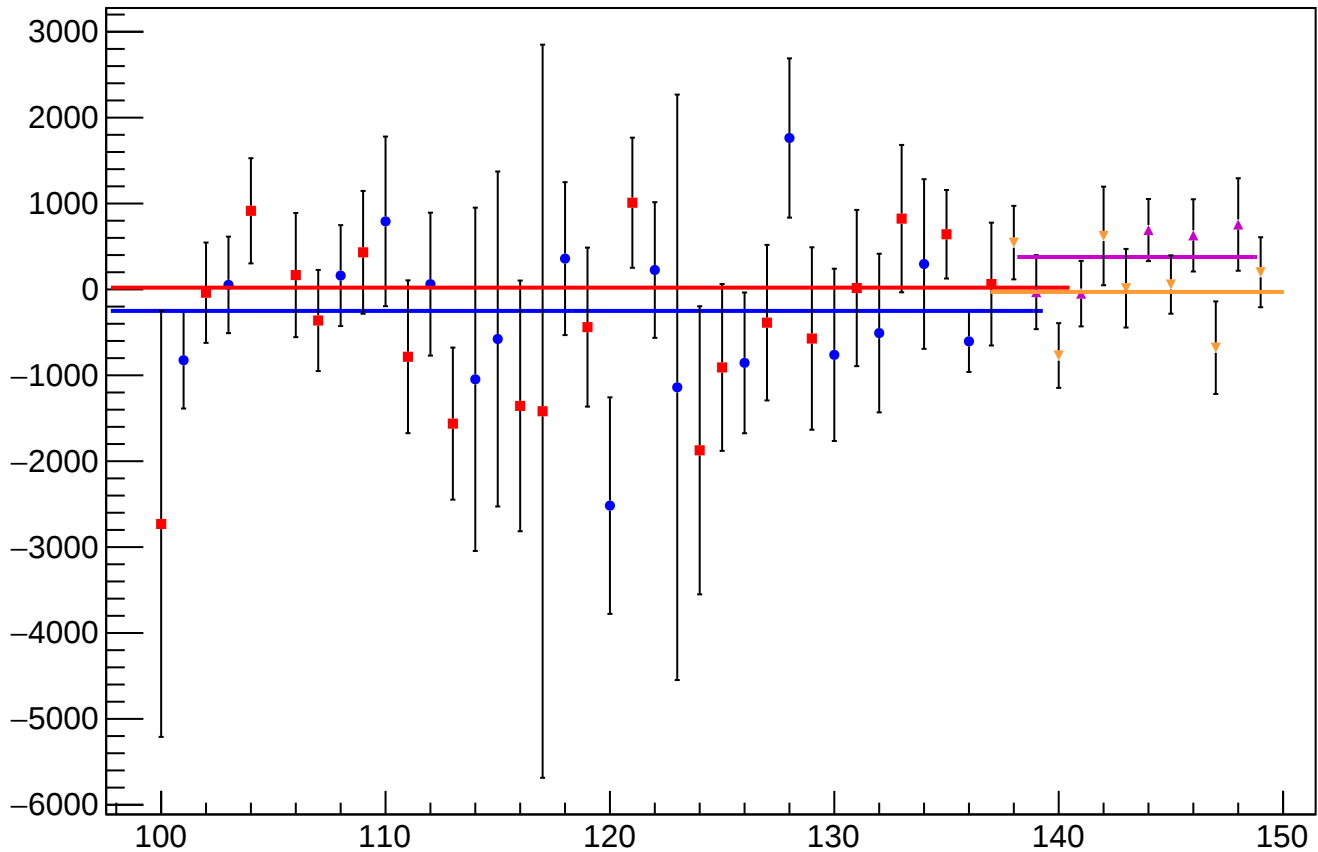
Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

Left In: 59.398+/-0.021 χ^2/NDF : 48076.6/4

57.824+/-0.012 χ^2/NDF : 373089.5/23

58.514+/-0.013 χ^2/NDF : 351629.7/24

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2/NDF : 14.3/16

Left Out: -29.265 $\pm$ 161.285 χ^2/NDF : 8.8/6

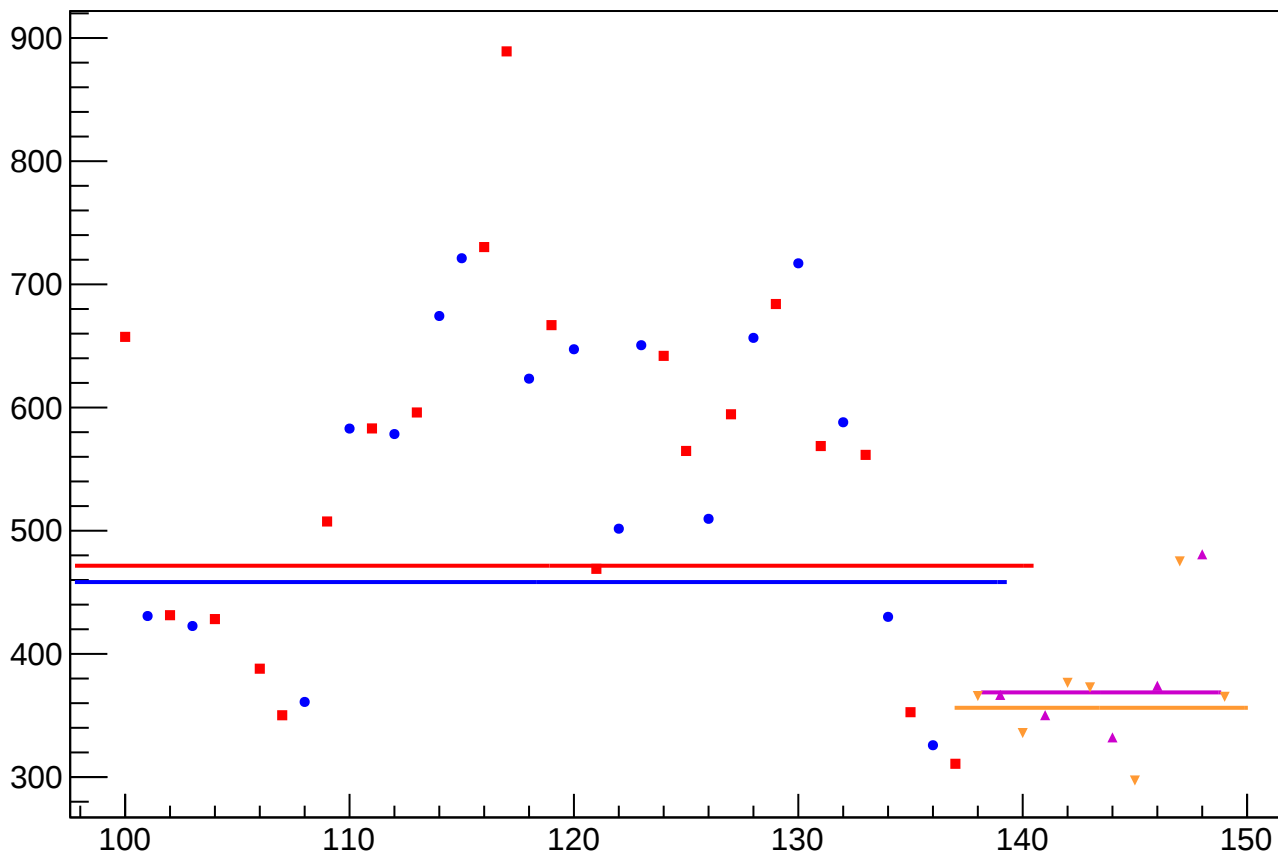
Right Out: 20.701 $\pm$ 181.669 χ^2/NDF : 16.2/19

Left In: 377.259 $\pm$ 185.631 χ^2/NDF : 3.8/4

-125.180 $\pm$ 121.313 χ^2/NDF : 23.9/23

195.135 $\pm$ 129.838 χ^2/NDF : 21.8/24

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 356.249+/-0.114 χ^2/NDF : 170611.4/6

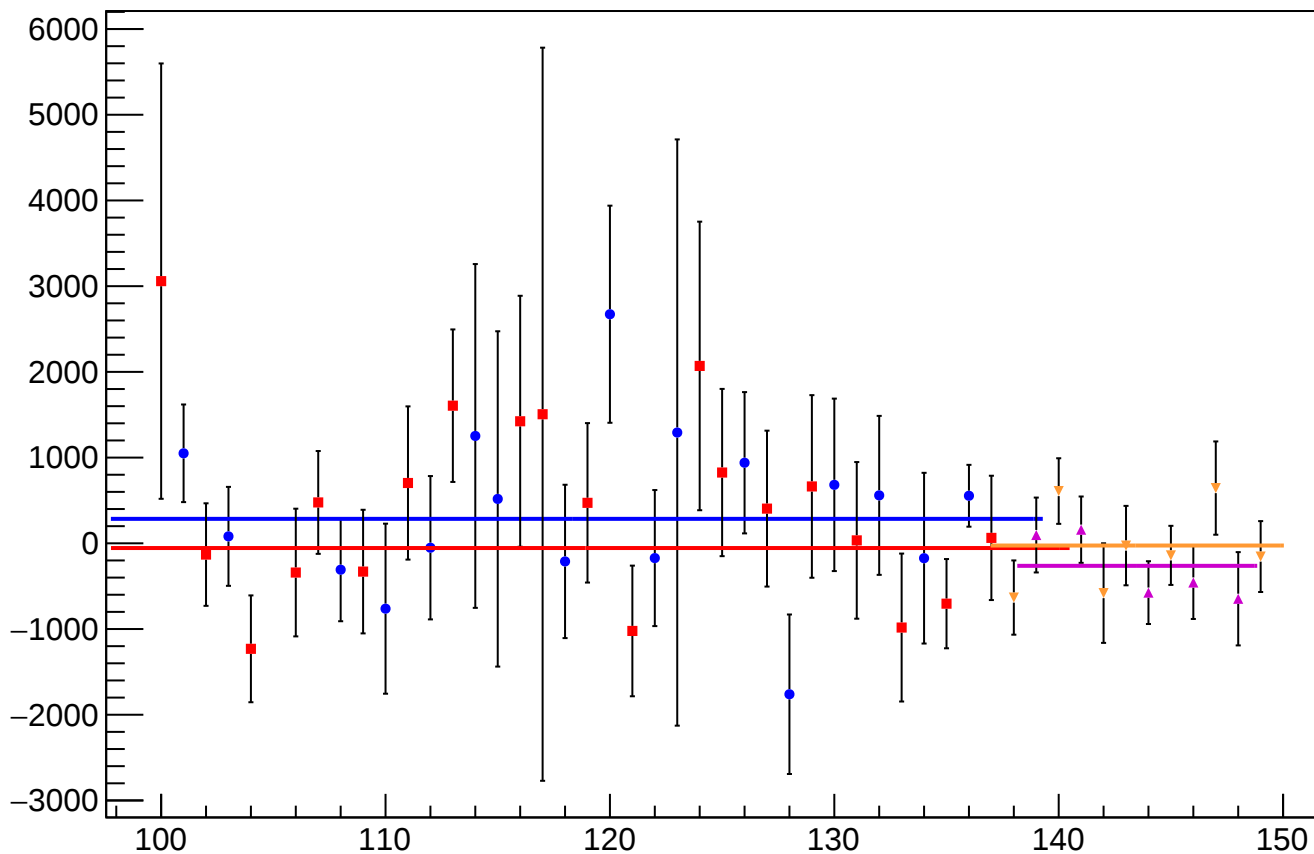
Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

Left In: 368.743+/-0.131 χ^2/NDF : 112211.0/4

400.575+/-0.086 χ^2/NDF : 1395691.0/23

421.273+/-0.092 χ^2/NDF : 1223577.2/24

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: -25.840 ± 163.474 χ^2/NDF : 7.4/6

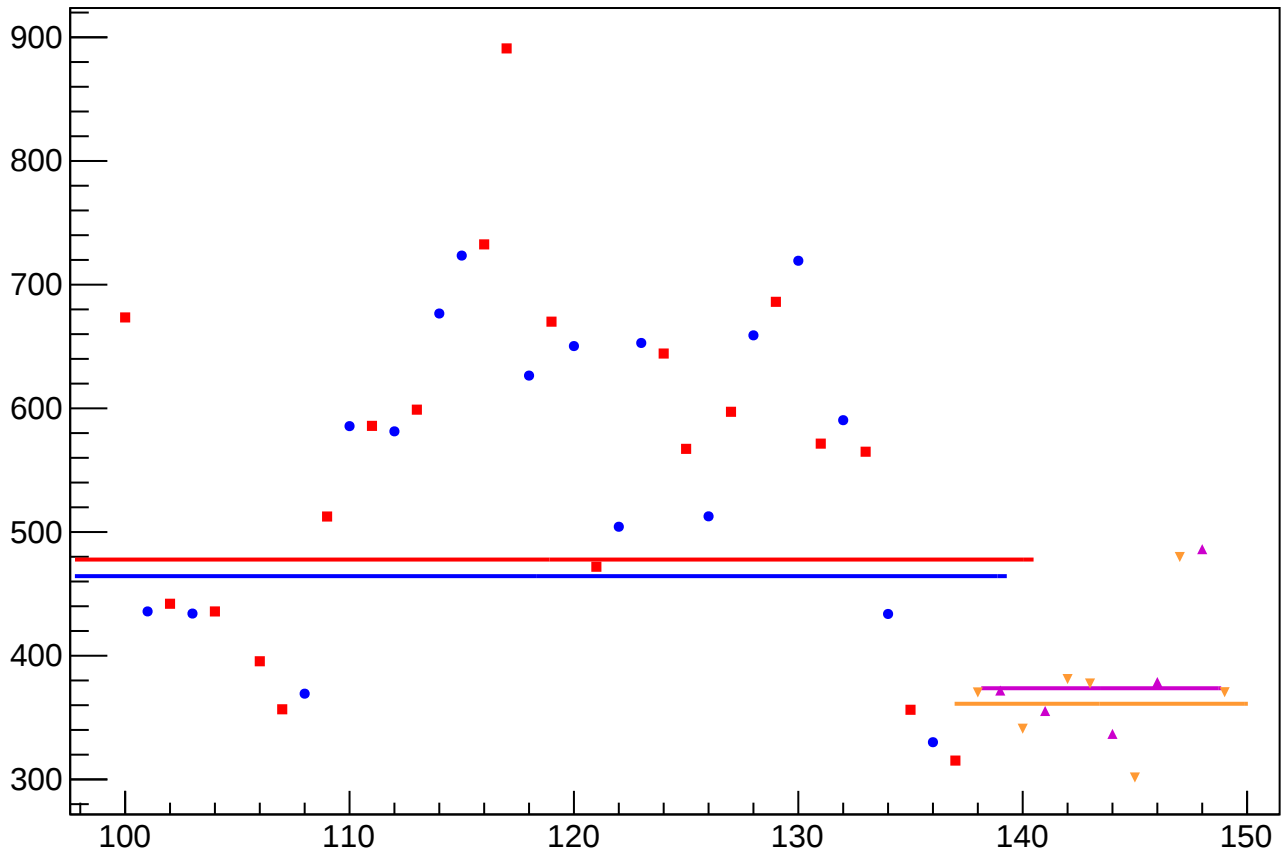
Right Out: -55.109 ± 183.903 χ^2/NDF : 19.3/19

Left In: -262.760 ± 188.080 χ^2/NDF : 3.3/4

109.564 ± 122.865 χ^2/NDF : 24.1/23

-156.604 ± 131.491 χ^2/NDF : 23.2/24

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 361.162+/-0.116 χ^2/NDF : 167206.2/6

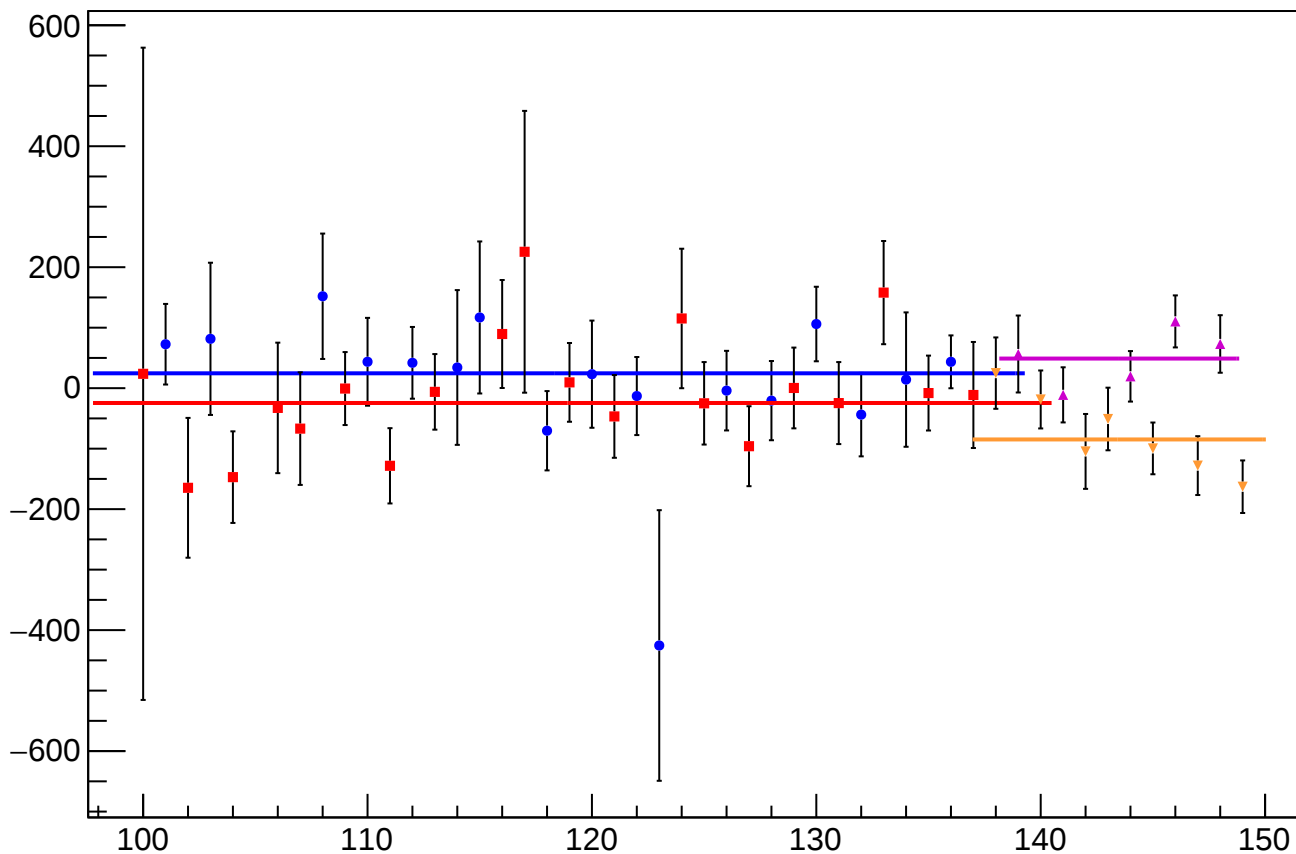
Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

Left In: 373.712+/-0.133 χ^2/NDF : 110521.1/4

406.057+/-0.087 χ^2/NDF : 1359779.3/23

426.901+/-0.093 χ^2/NDF : 1191441.7/24

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 χ^2/NDF : 13.0/16

Left Out: -84.776 ± 18.711 χ^2/NDF : 10.0/6

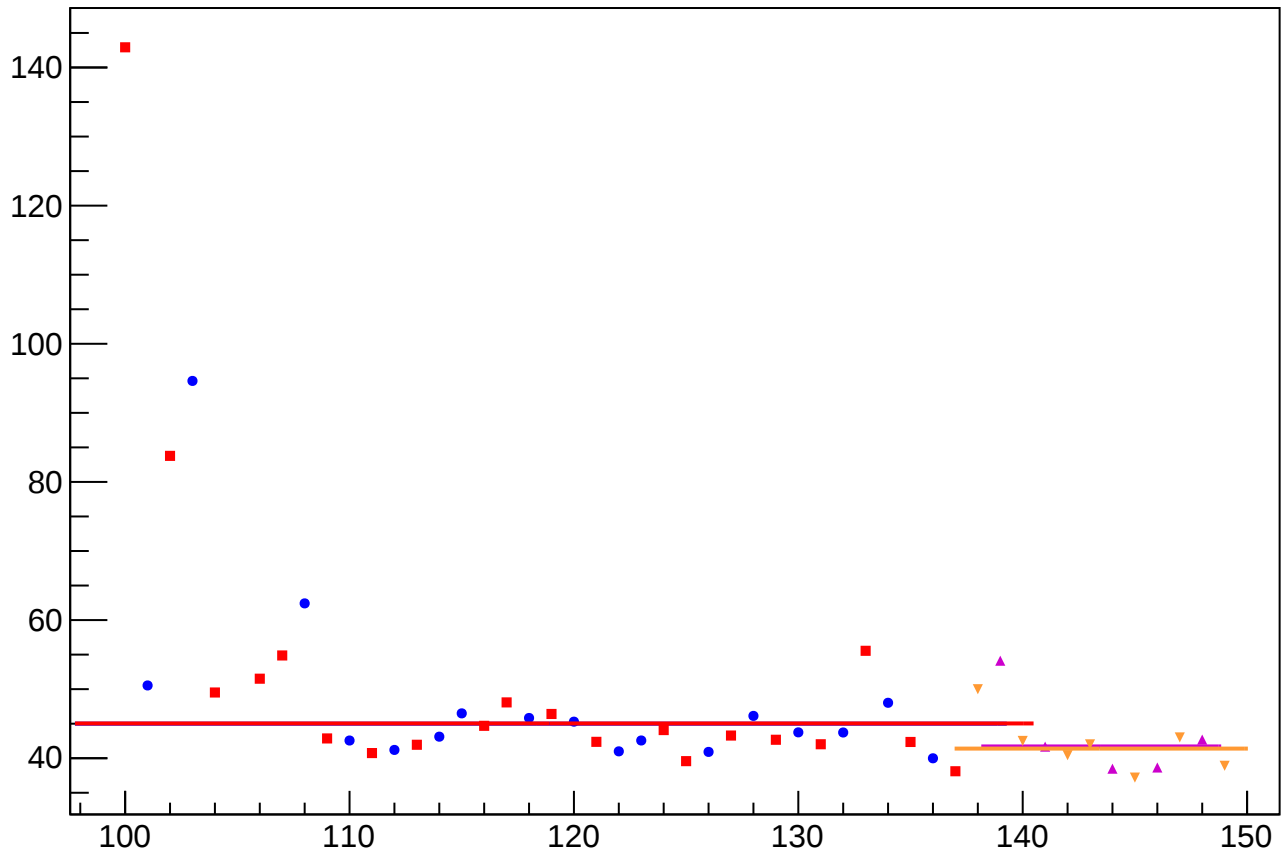
Right Out: -24.491 ± 17.338 χ^2/NDF : 18.0/19

Left In: 48.951 ± 20.920 χ^2/NDF : 4.5/4

-27.488 ± 12.911 χ^2/NDF : 40.9/23

5.414 ± 13.349 χ^2/NDF : 29.8/24

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.395 $\pm$ 0.013 χ^2 /NDF: 72310.8/6

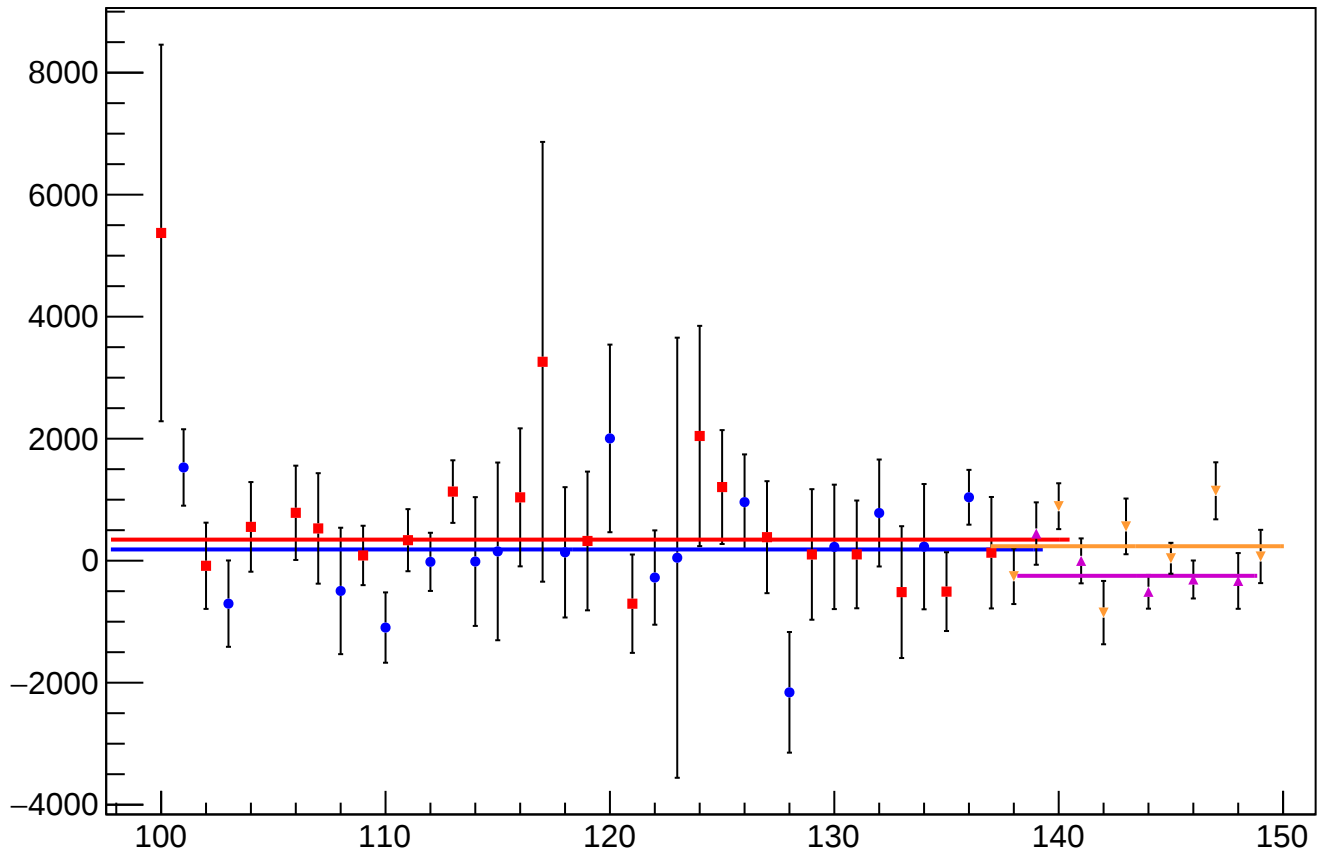
Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

Left In: 41.705 $\pm$ 0.015 χ^2 /NDF: 98959.2/4

43.284 $\pm$ 0.009 χ^2 /NDF: 549578.8/23

43.678 $\pm$ 0.009 χ^2 /NDF: 544847.4/24

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 236.987 ± 147.734 χ^2/NDF : 13.6/6

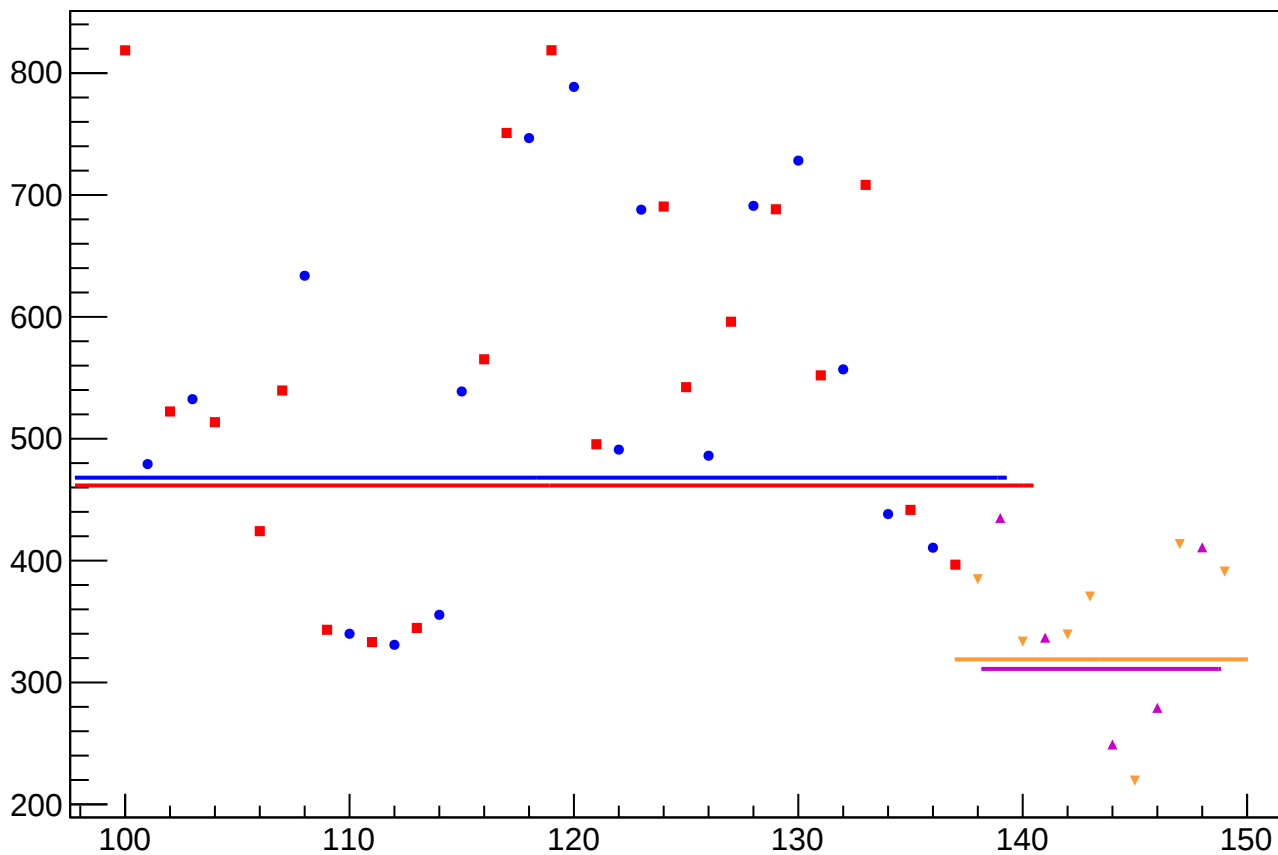
Right Out: 345.548 ± 179.160 χ^2/NDF : 13.1/19

Left In: -247.911 ± 159.324 χ^2/NDF : 3.2/4

216.903 ± 116.291 χ^2/NDF : 37.9/23

14.160 ± 119.057 χ^2/NDF : 22.5/24

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 319.002+/-0.104 χ^2/NDF : 517989.9/6

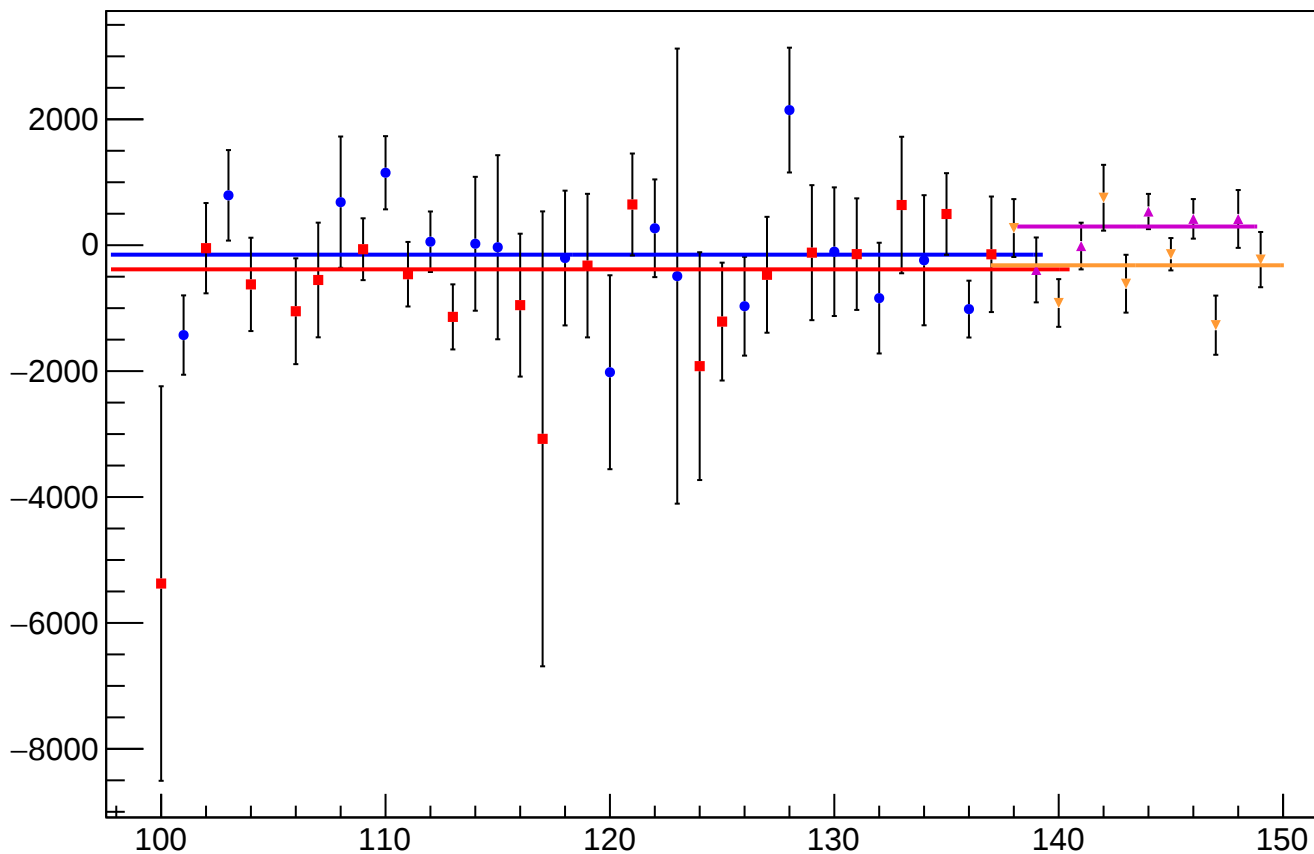
Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

Left In: 311.134+/-0.113 χ^2/NDF : 344197.2/4

375.703+/-0.082 χ^2/NDF : 2172865.4/23

377.604+/-0.084 χ^2/NDF : 2100442.1/24

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -319.038+/-149.125 χ^2/NDF : 13.4/6

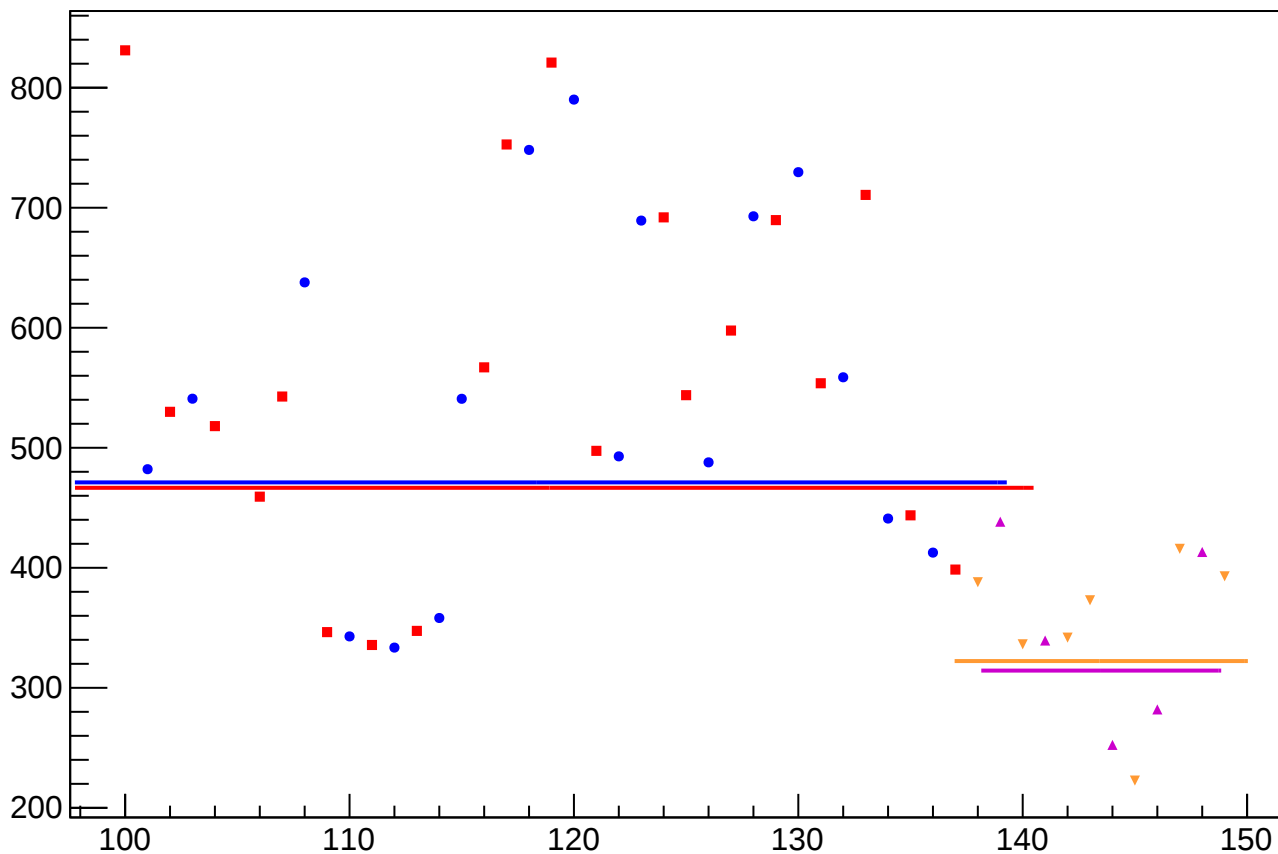
Right Out: -383.331+/-181.030 χ^2/NDF : 13.0/19

Left In: 296.765+/-160.863 χ^2/NDF : 3.4/4

-254.604+/-117.244 χ^2/NDF : 38.1/23

-3.306+/-120.248 χ^2/NDF : 24.3/24

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 322.294+/-0.105 χ^2/NDF : 502113.9/6

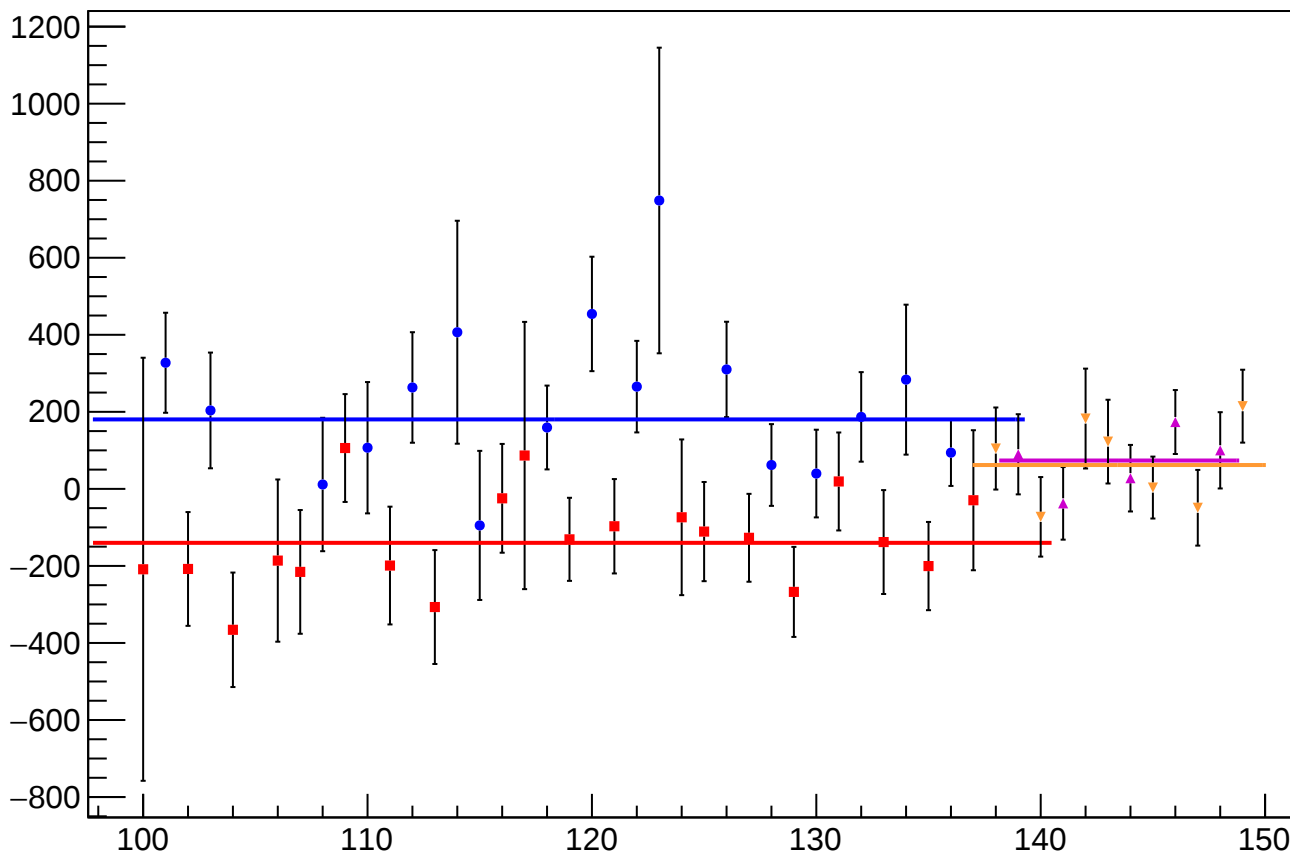
Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

Left In: 314.358+/-0.114 χ^2/NDF : 336508.9/4

379.140+/-0.083 χ^2/NDF : 2134993.2/23

381.554+/-0.085 χ^2/NDF : 2080559.7/24

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2/NDF : 16.6/16

Left Out: 61.913 $\pm$ 37.900 χ^2/NDF : 7.4/6

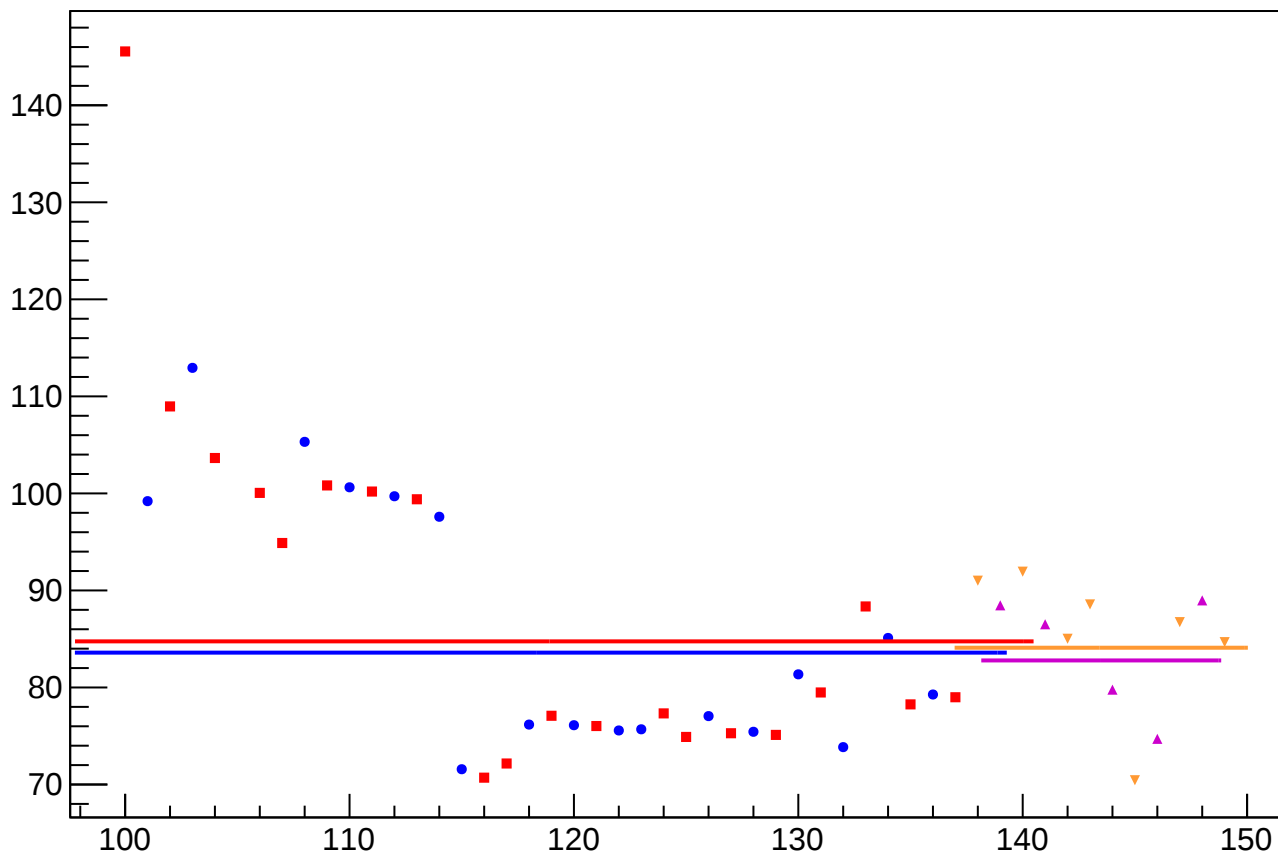
Right Out: -140.070 $\pm$ 32.198 χ^2/NDF : 12.1/19

Left In: 73.654 $\pm$ 41.304 χ^2/NDF : 3.2/4

129.671 $\pm$ 24.788 χ^2/NDF : 29.6/23

-59.286 $\pm$ 25.394 χ^2/NDF : 32.0/24

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 84.097+/-0.027 χ^2/NDF : 82675.2/6

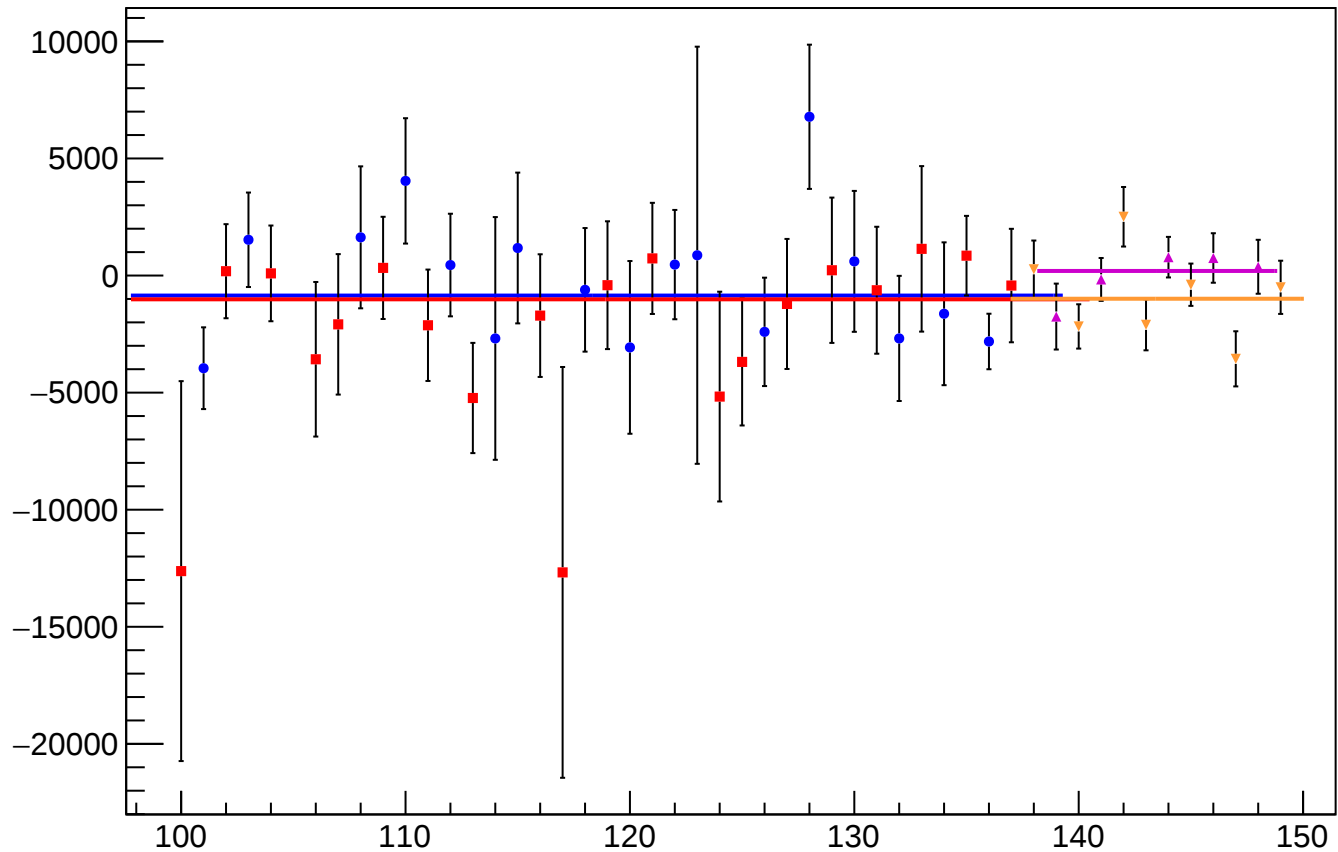
Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

Left In: 82.787+/-0.029 χ^2/NDF : 38272.3/4

83.807+/-0.018 χ^2/NDF : 338801.2/23

84.009+/-0.018 χ^2/NDF : 334350.1/24

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 $\chi^2/\text{NDF}: 20.3/16$

Left Out: -990.463 ± 409.512 $\chi^2/\text{NDF}: 16.6/6$

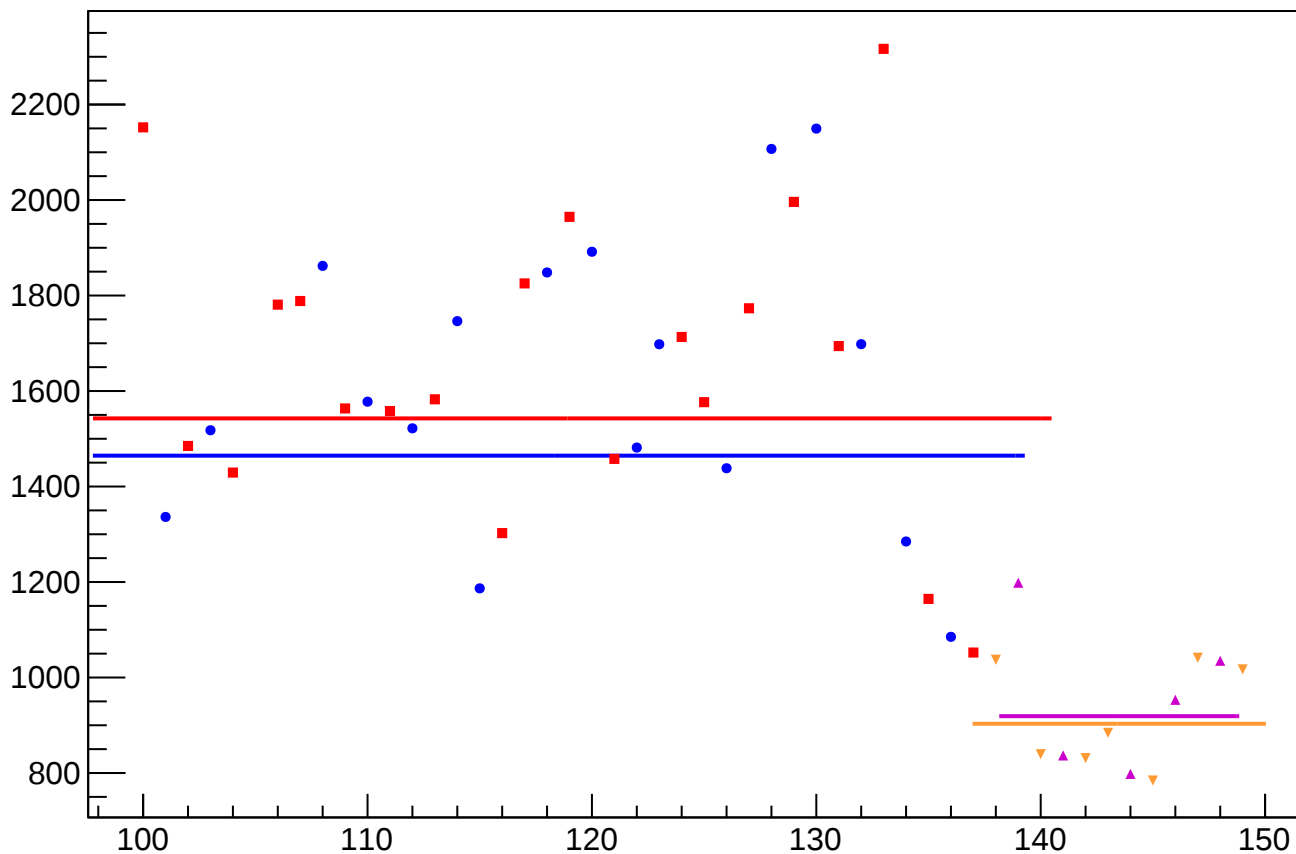
Right Out: -1015.523 ± 587.747 $\chi^2/\text{NDF}: 13.3/19$

Left In: 195.855 ± 462.292 $\chi^2/\text{NDF}: 2.8/4$

-945.840 ± 335.159 $\chi^2/\text{NDF}: 36.9/23$

-267.139 ± 363.361 $\chi^2/\text{NDF}: 18.8/24$

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 903.102 $\pm$ 0.290 χ^2 /NDF:122227.0/6

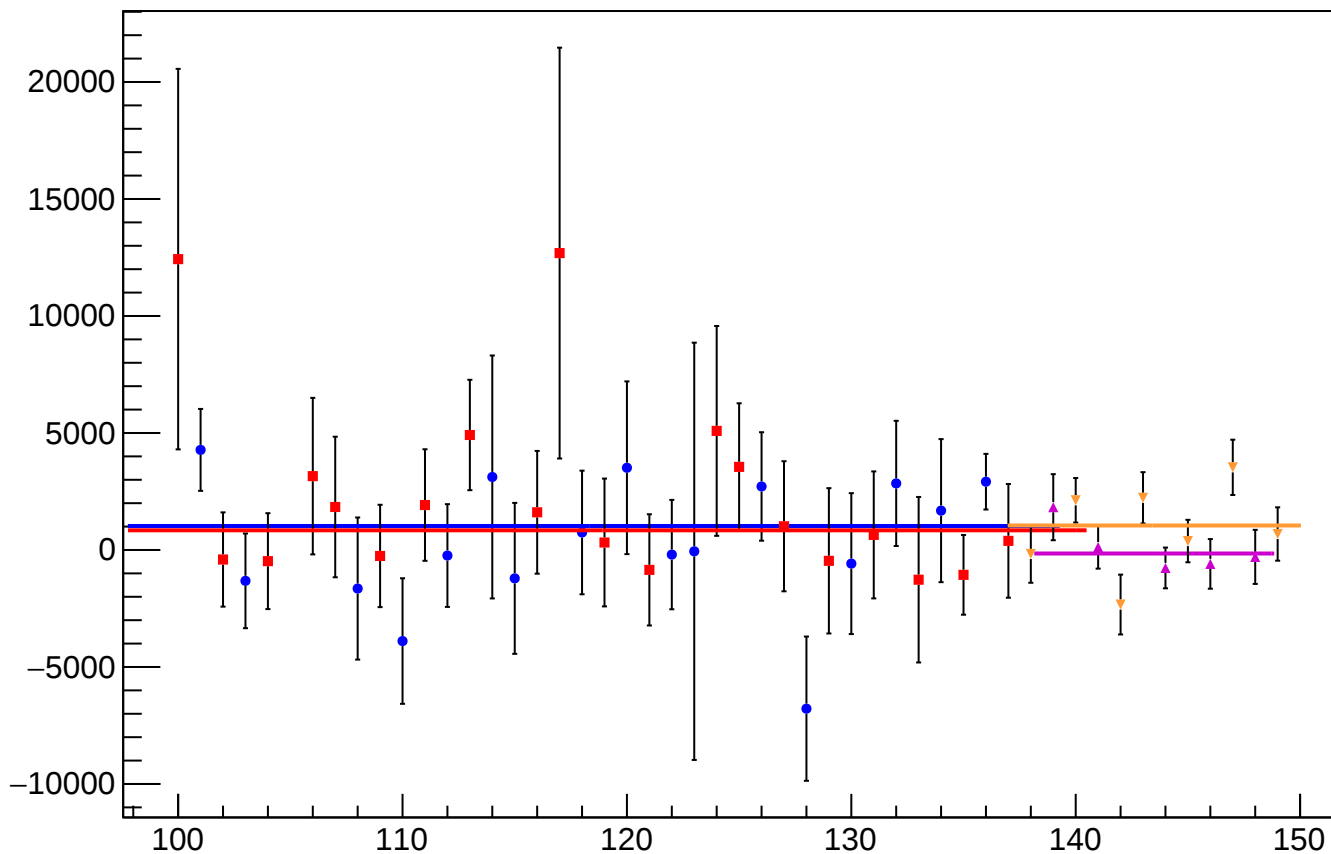
Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

Left In: 919.091 $\pm$ 0.327 χ^2 /NDF:156354.3/4

1088.501 $\pm$ 0.237 χ^2 /NDF: 1924688.1/23

1157.423 $\pm$ 0.257 χ^2 /NDF: 2002958.4/24

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 ± 584.500 χ^2/NDF : 20.9/16

Left Out: 1046.655 ± 411.407 χ^2/NDF : 15.5/6

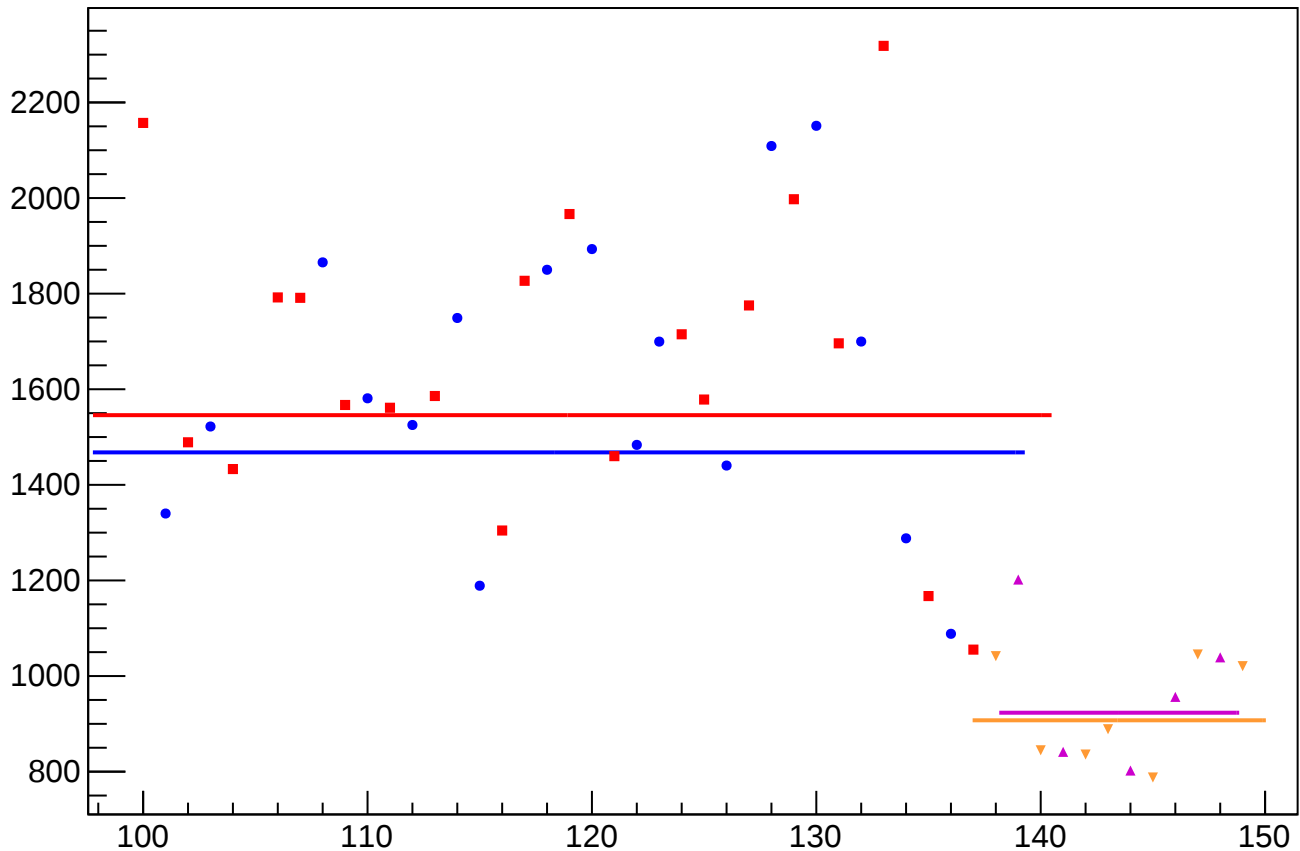
Right Out: 840.586 ± 589.057 χ^2/NDF : 13.0/19

Left In: -150.343 ± 464.321 χ^2/NDF : 2.7/4

1039.656 ± 336.426 χ^2/NDF : 36.4/23

229.403 ± 364.655 χ^2/NDF : 17.5/24

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 907.411+/-0.291 χ^2/NDF : 120954.9/6

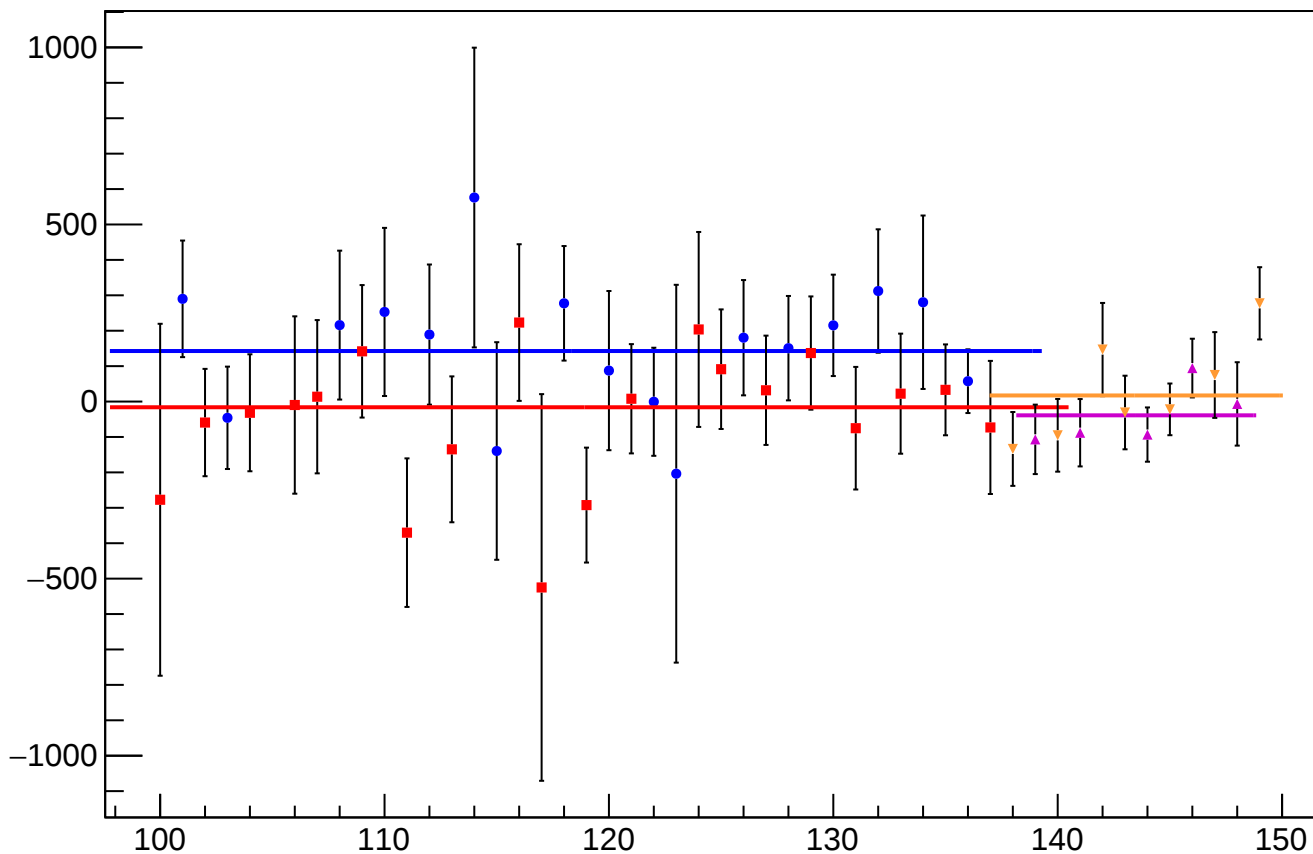
Right Out: 1545.785+/-0.417 χ^2/NDF : 453865.6/19

Left In: 923.284+/-0.328 χ^2/NDF : 154364.3/4

1093.098+/-0.238 χ^2/NDF : 1908232.8/23

1161.840+/-0.258 χ^2/NDF : 1985829.8/24

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: 17.229 $\pm$ 38.090 χ^2 /NDF:11.5/6

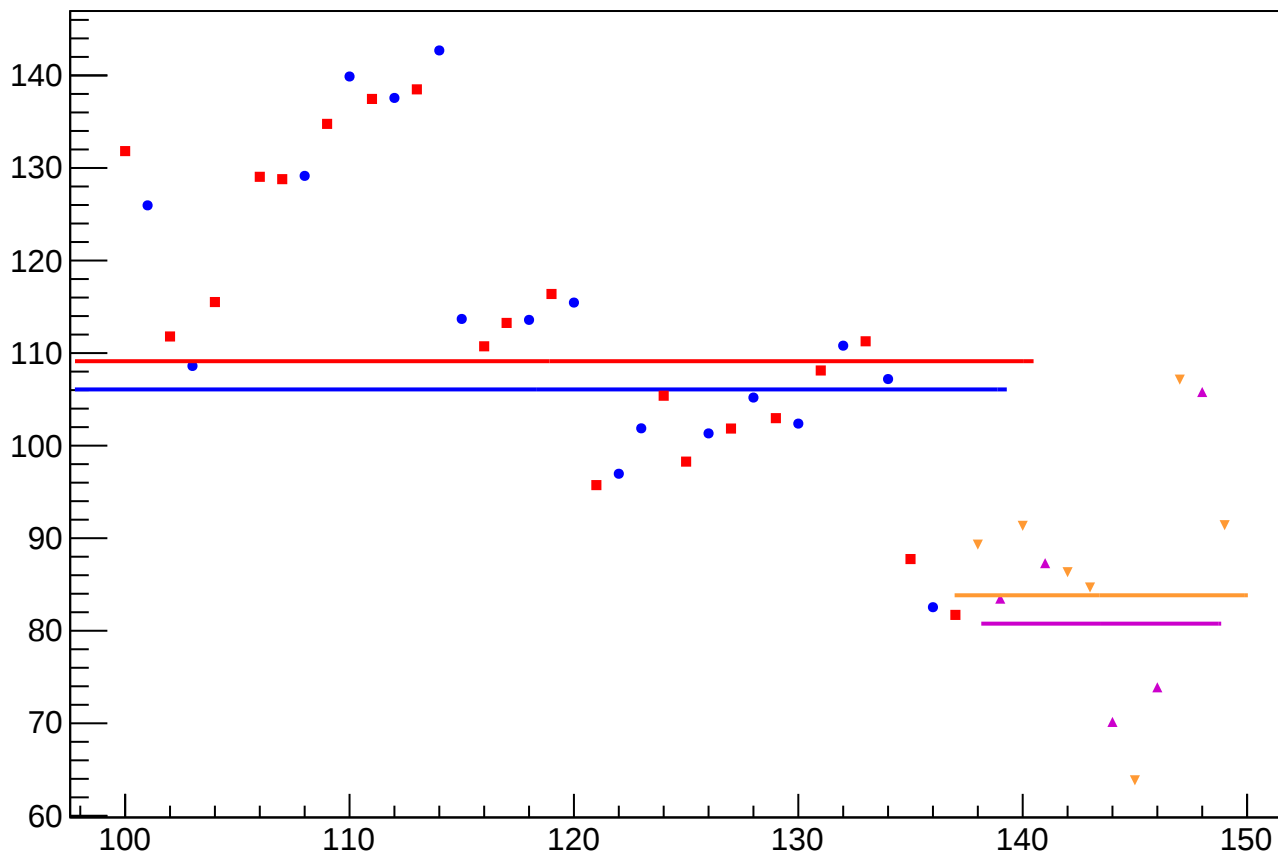
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -38.898 $\pm$ 40.738 χ^2 /NDF:3.9/4

74.404 $\pm$ 28.101 χ^2 /NDF: 25.8/23

-27.650 $\pm$ 28.995 χ^2 /NDF: 15.8/24

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 83.833 $\pm$ 0.027 χ^2 /NDF:252182.1/6

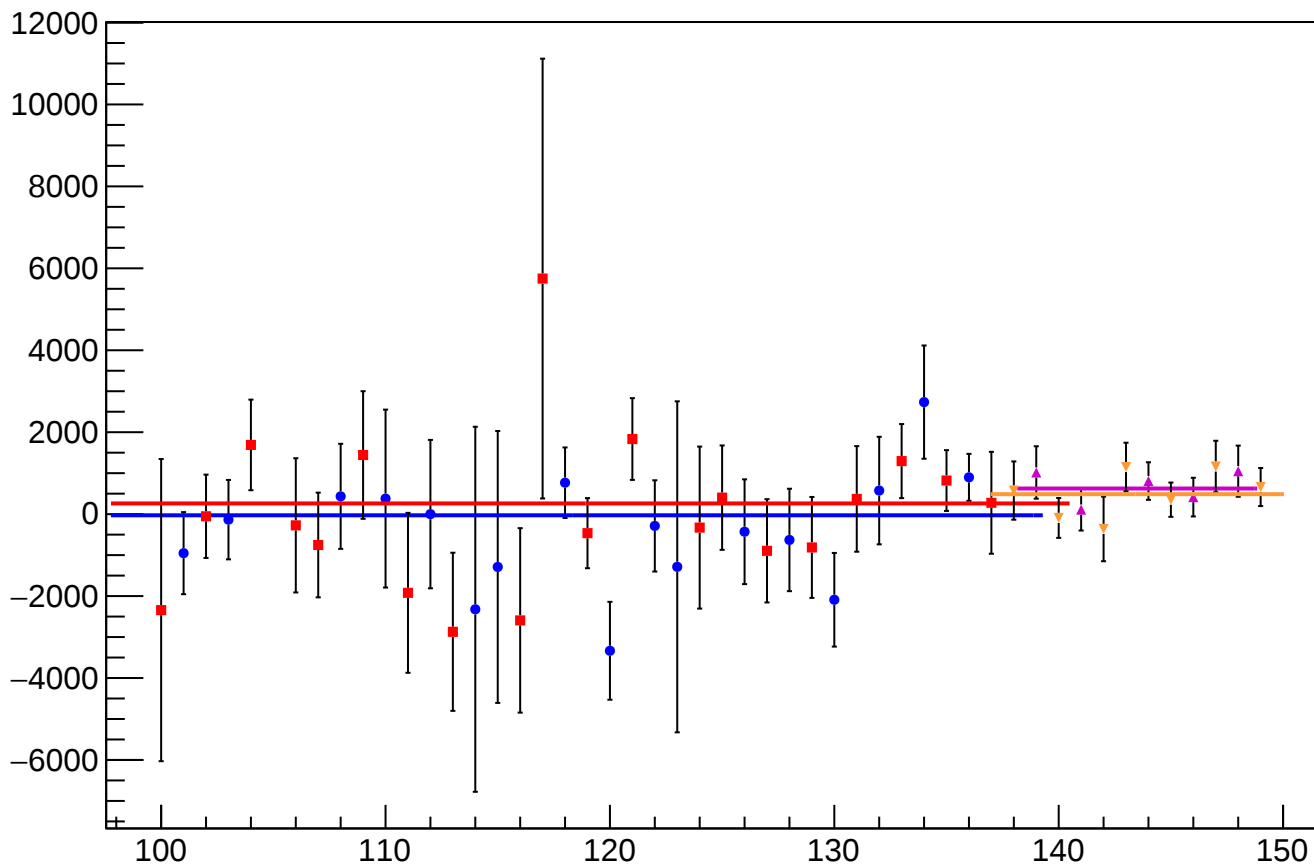
Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

Left In: 80.767 $\pm$ 0.029 χ^2 /NDF:153507.7/4

93.969 $\pm$ 0.020 χ^2 /NDF: 880855.1/23

94.759 $\pm$ 0.021 χ^2 /NDF: 917173.6/24

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 $\pm$ 283.741 χ^2/NDF : 20.5/16

Left Out: 487.500 $\pm$ 206.169 χ^2/NDF : 5.2/6

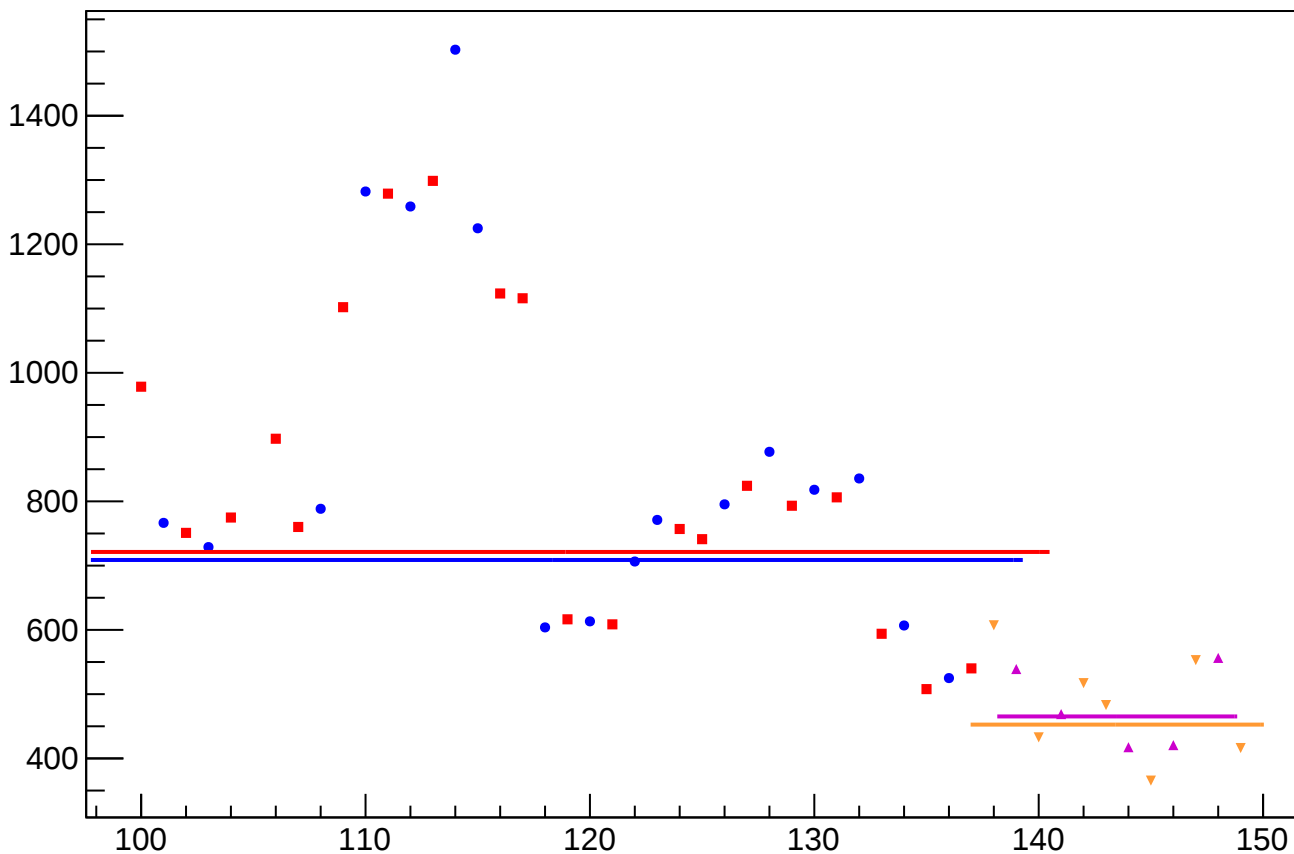
Right Out: 261.265 $\pm$ 279.073 χ^2/NDF : 16.9/19

Left In: 625.334 $\pm$ 235.084 χ^2/NDF : 2.2/4

309.389 $\pm$ 166.789 χ^2/NDF : 27.9/23

474.221 $\pm$ 179.795 χ^2/NDF : 20.1/24

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 452.621+/-0.146 χ^2/NDF : 266437.3/6

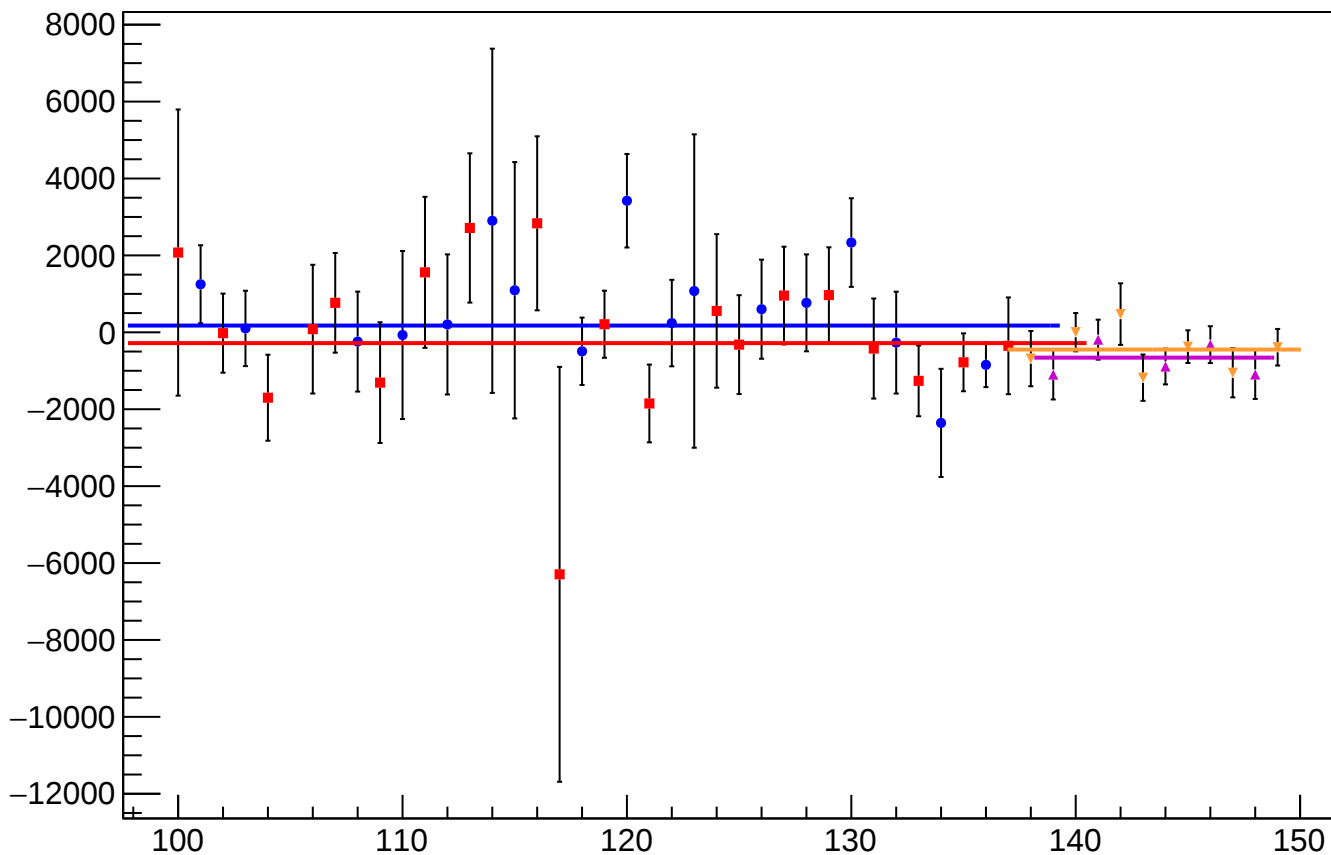
Right Out: 721.271+/-0.197 χ^2/NDF : 910781.0/19

Left In: 465.323+/-0.166 χ^2/NDF : 109019.9/4

541.134+/-0.118 χ^2/NDF : 2126833.0/23

571.558+/-0.127 χ^2/NDF : 2003822.8/24

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -448.117 $\pm$ 209.934 χ^2 /NDF: 4.7/6

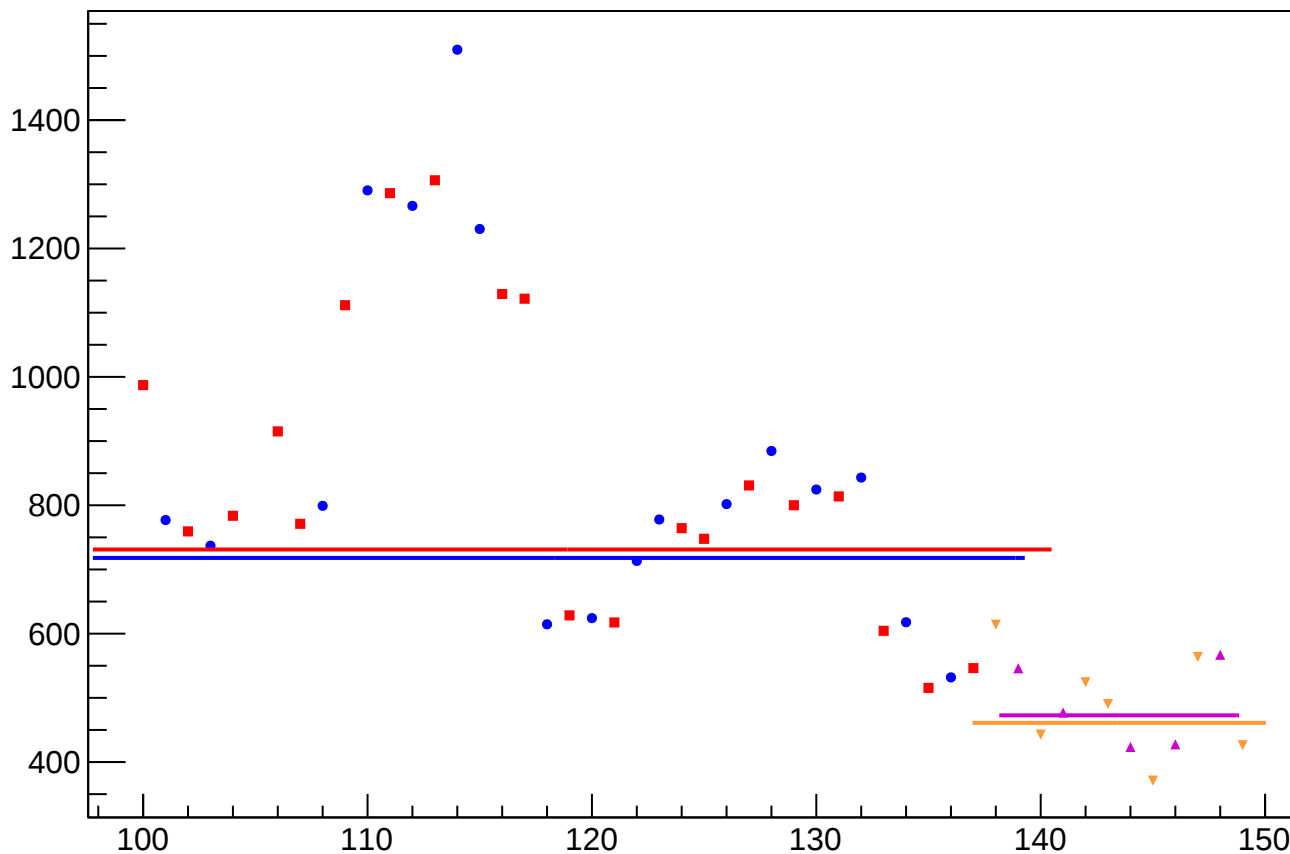
Right Out: -281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

Left In: -658.450 $\pm$ 238.799 χ^2 /NDF: 2.5/4

-230.842 $\pm$ 169.486 χ^2 /NDF: 27.5/23

-501.338 $\pm$ 182.422 χ^2 /NDF: 19.6/24

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 461.049+/-0.148 χ^2/NDF : 262306.5/6

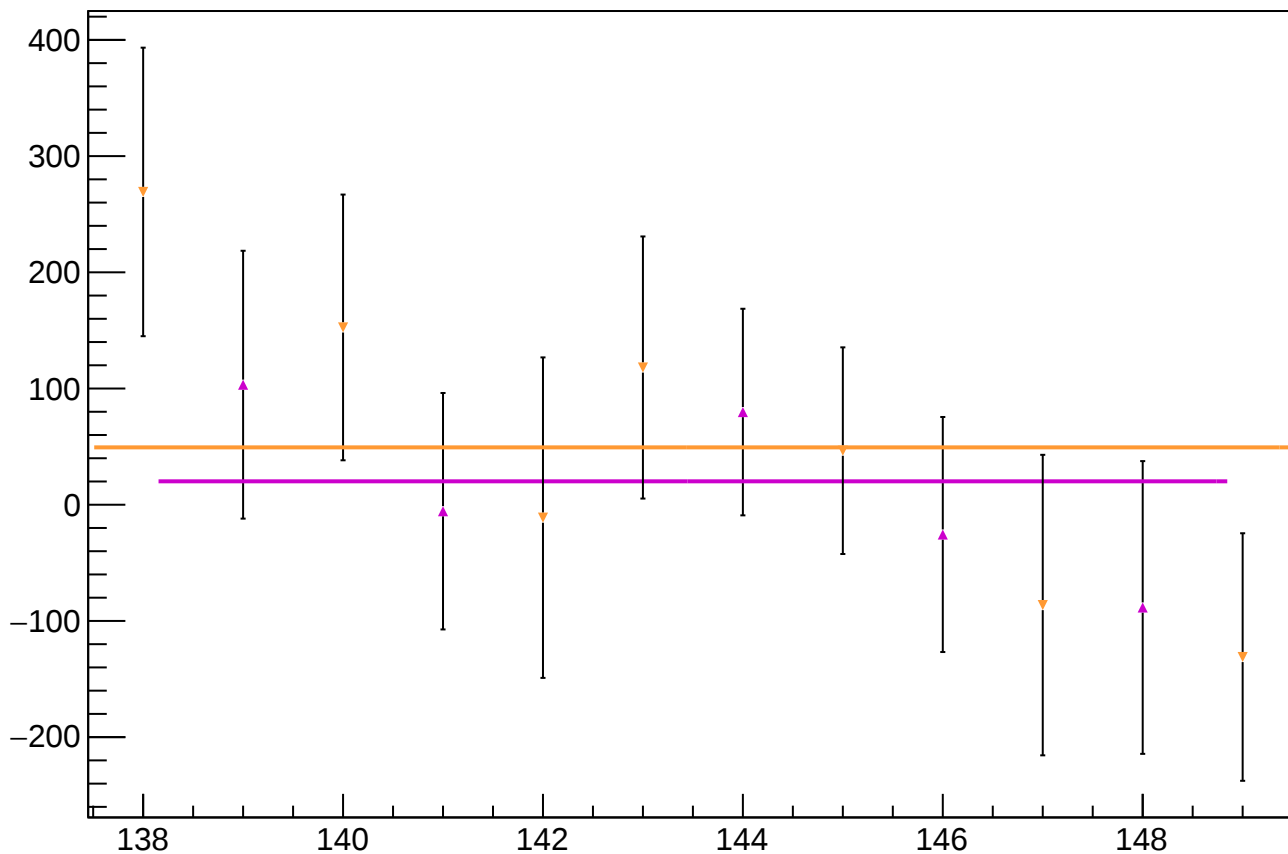
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 472.774+/-0.169 χ^2/NDF : 109985.8/4

550.513+/-0.120 χ^2/NDF : 2083977.9/23

580.356+/-0.129 χ^2/NDF : 1977113.9/24

reg_asym_sam_1548_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 49.358+/-42.755 χ^2/NDF : 8.5/6

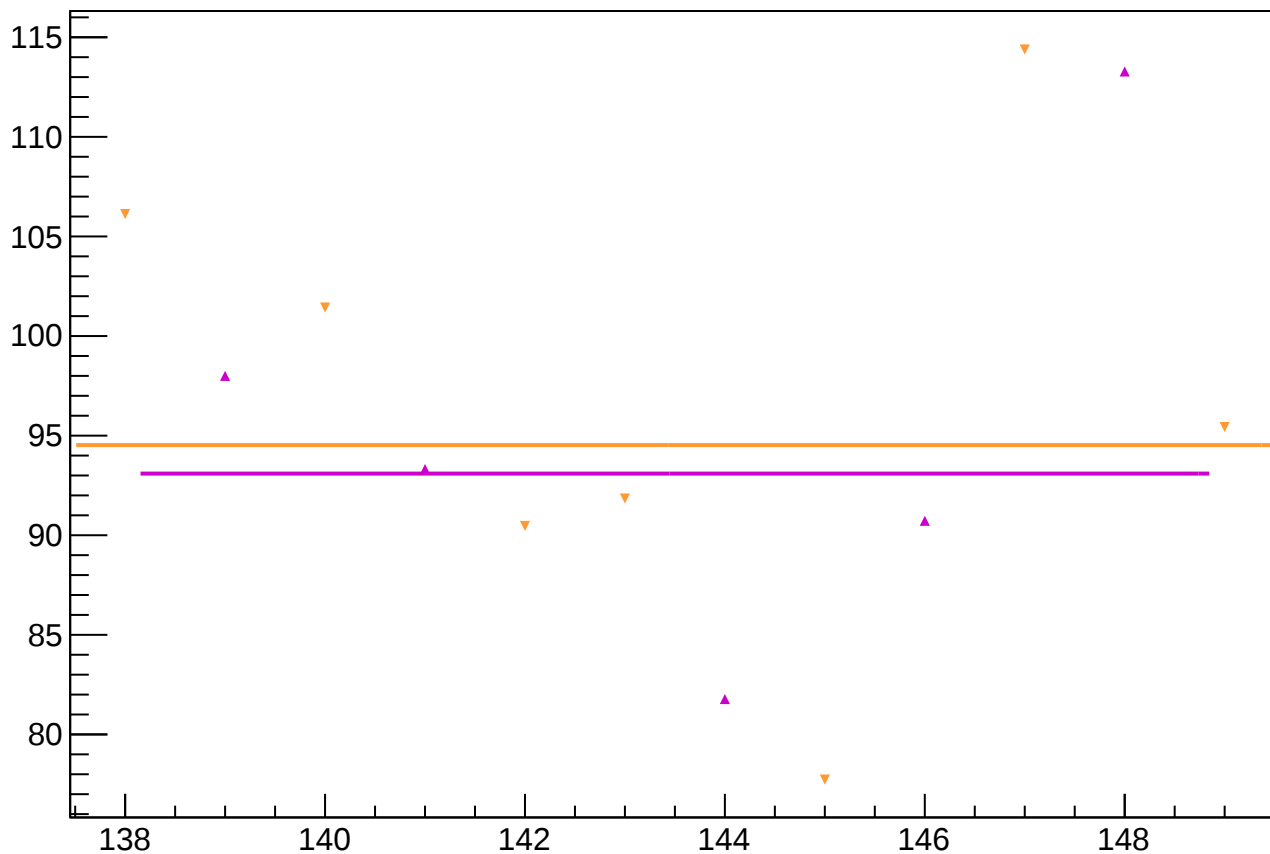
49.358+/-42.755 χ^2/NDF : 8.5/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

20.146+/-46.661 χ^2/NDF : 2.0/4

Left In: 20.146+/-46.661 χ^2/NDF : 2.0/4

reg_asym_sam_1548_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 94.527+/-0.030 χ^2/NDF : 146265.2/6

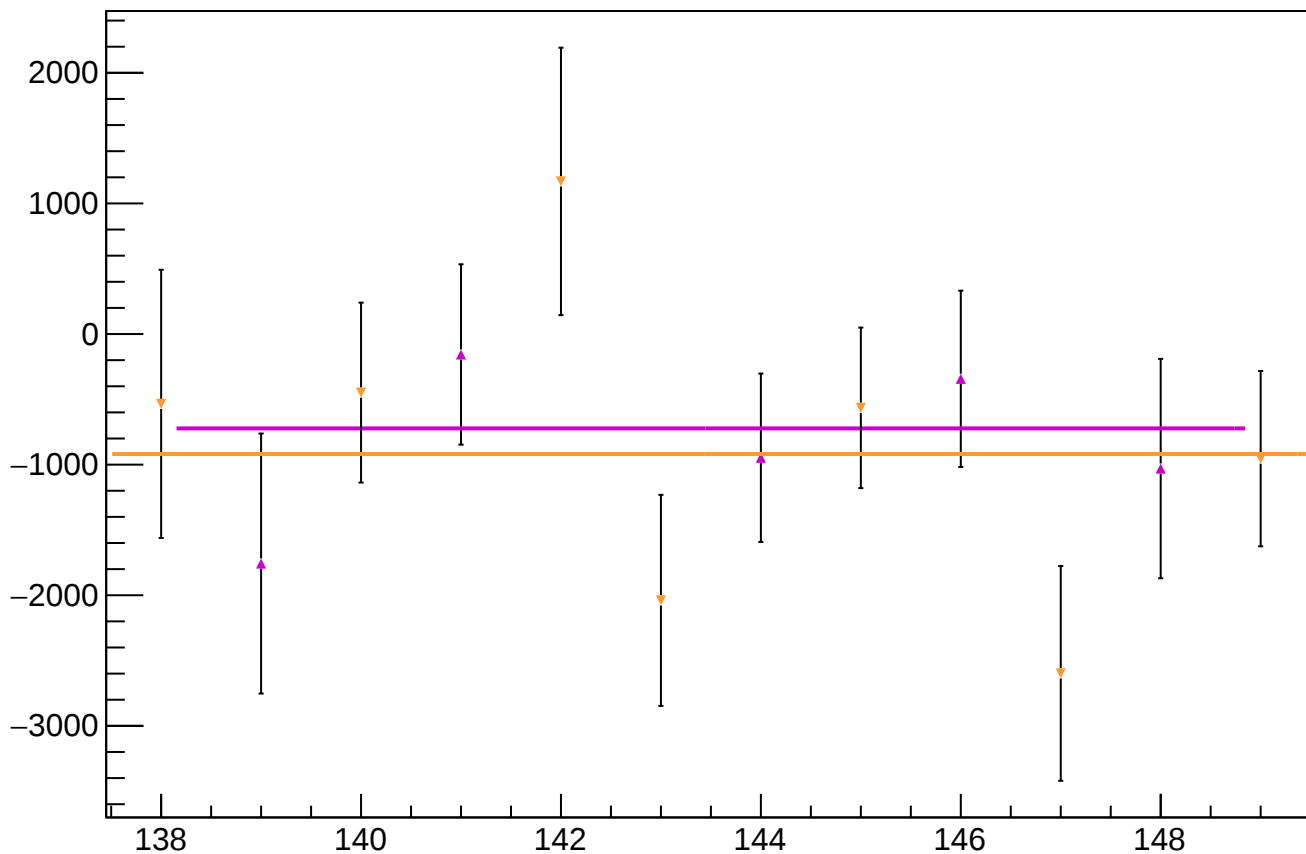
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 93.095+/-0.033 χ^2/NDF : 88529.8/4

94.527+/-0.030 χ^2/NDF : 146265.2/6

93.095+/-0.033 χ^2/NDF : 88529.8/4

asym_sam_1548_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -918.461+/-290.057 χ^2/NDF : 11.2/6

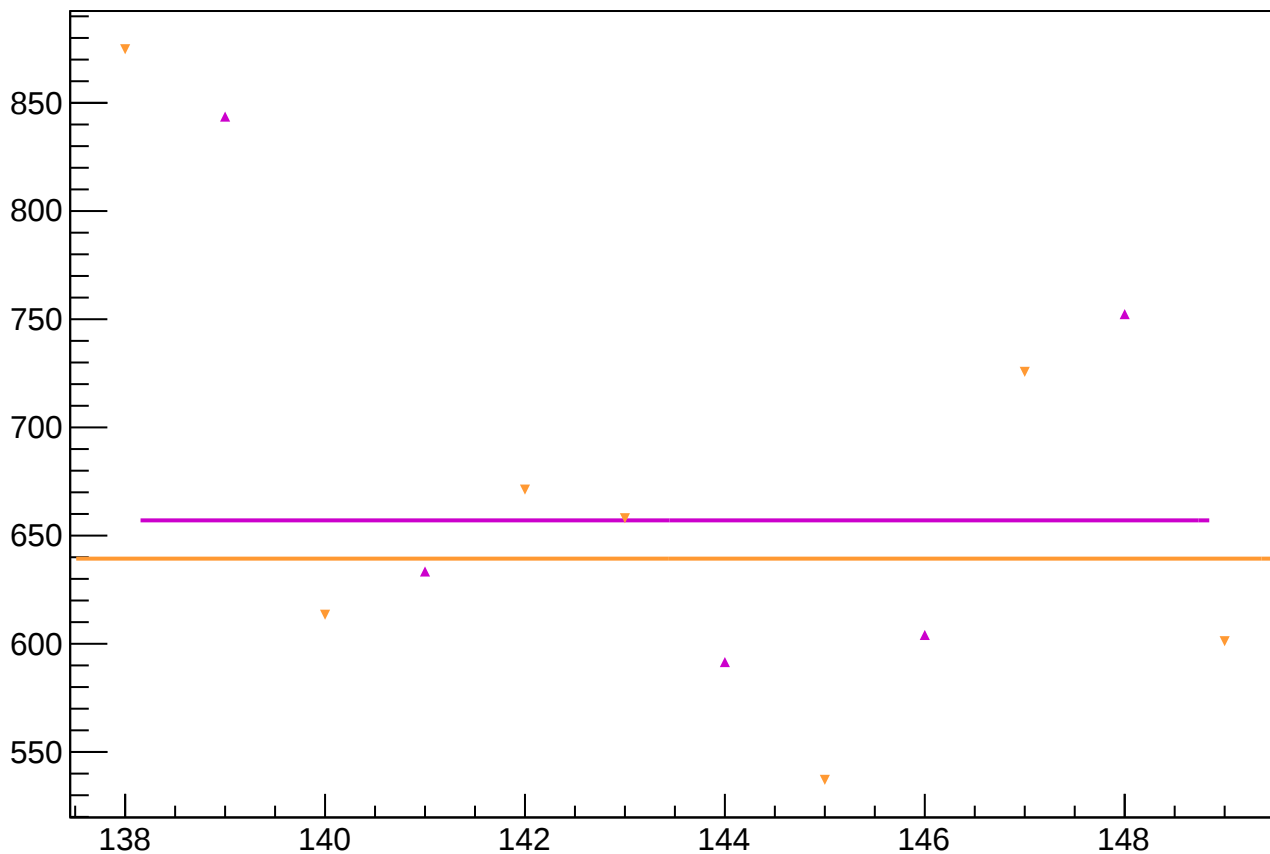
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -722.584+/-331.004 χ^2/NDF : 2.3/4

-918.461+/-290.057 χ^2/NDF : 11.2/6

-722.584+/-331.004 χ^2/NDF : 2.3/4

asym_sam_1548_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 639.354+/-0.205 χ^2/NDF : 194826.1/6

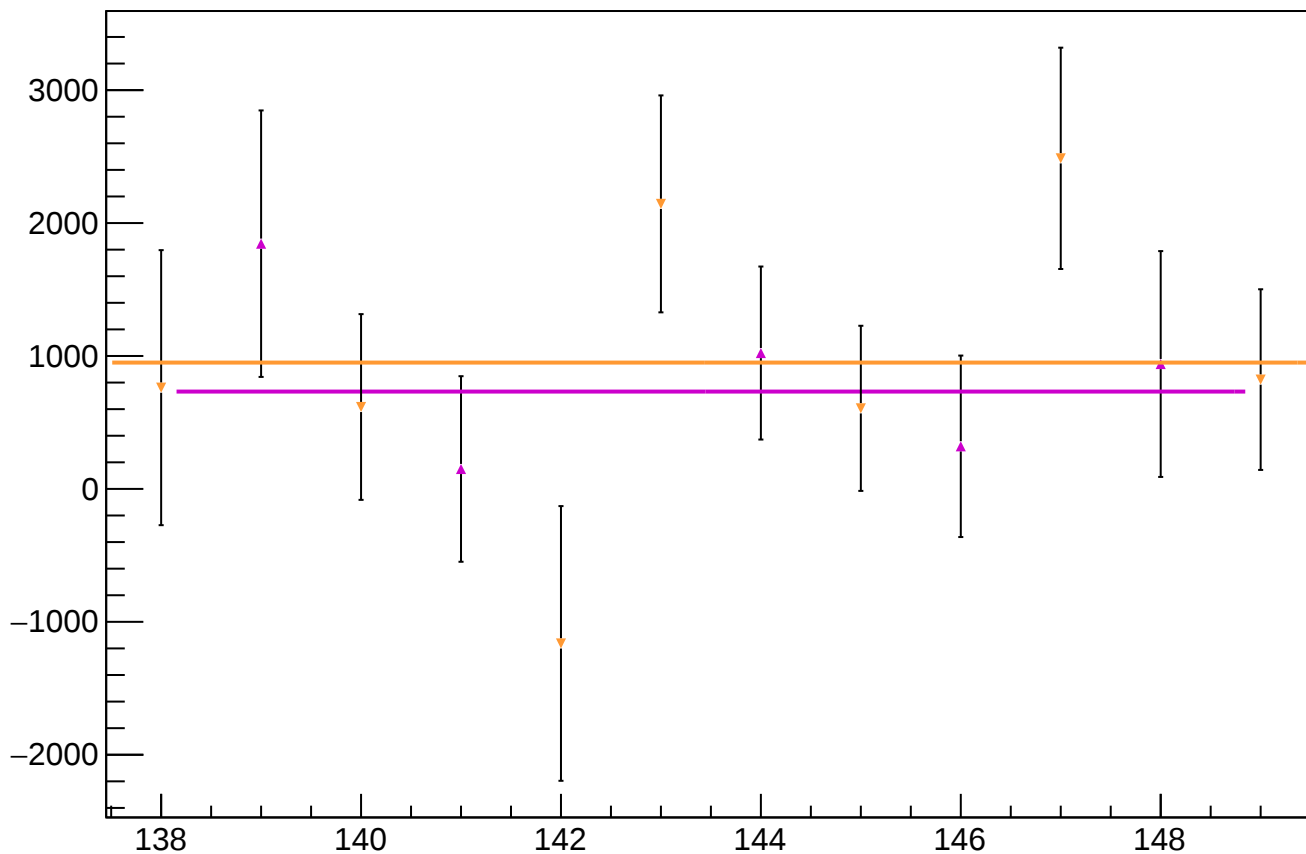
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 657.039+/-0.234 χ^2/NDF : 131357.1/4

639.354+/-0.205 χ^2/NDF : 194826.1/6

657.039+/-0.234 χ^2/NDF : 131357.1/4

asym_sam_1548_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 950.409+/-293.339 χ^2/NDF : 10.3/6

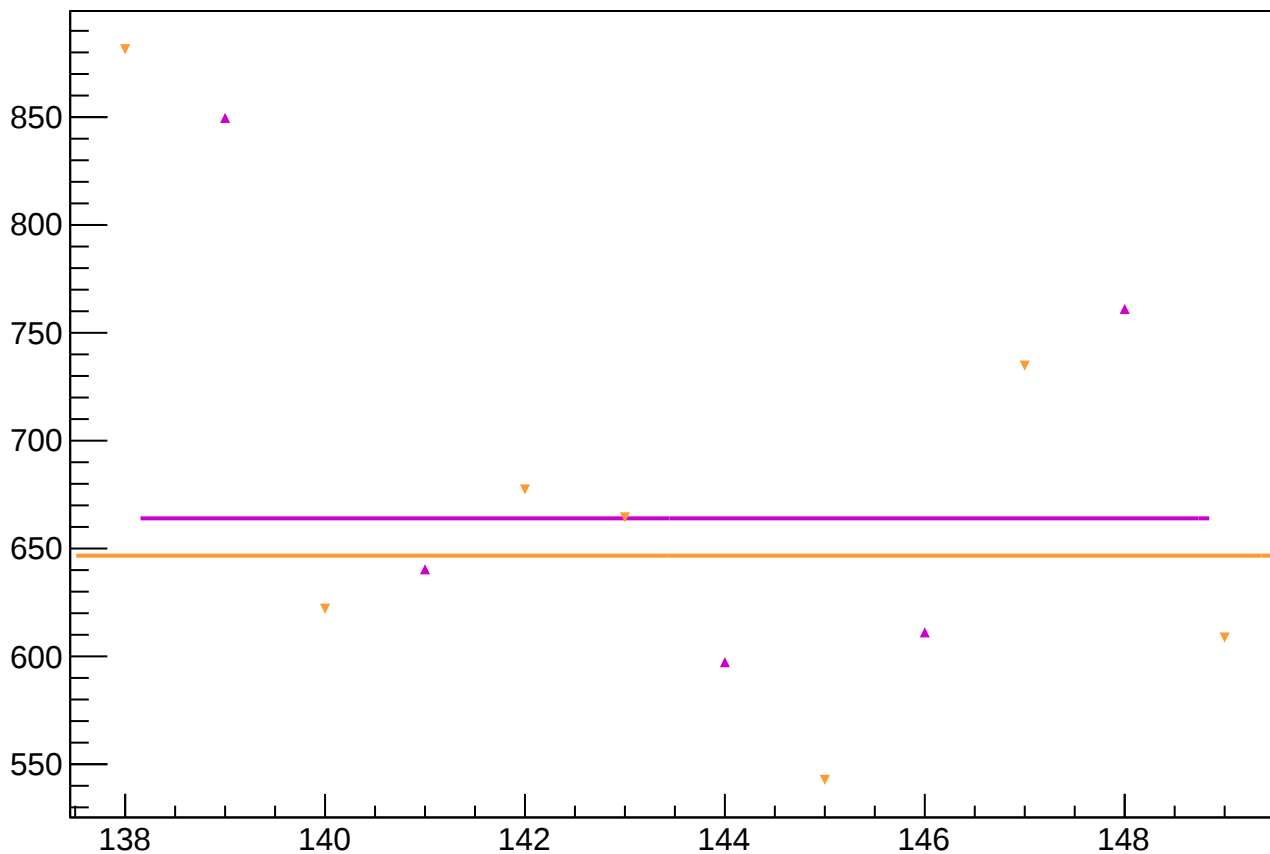
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 732.287+/-334.442 χ^2/NDF : 2.5/4

950.409+/-293.339 χ^2/NDF : 10.3/6

732.287+/-334.442 χ^2/NDF : 2.5/4

asym_sam_1548_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 646.683+/-0.207 χ^2/NDF : 192825.5/6

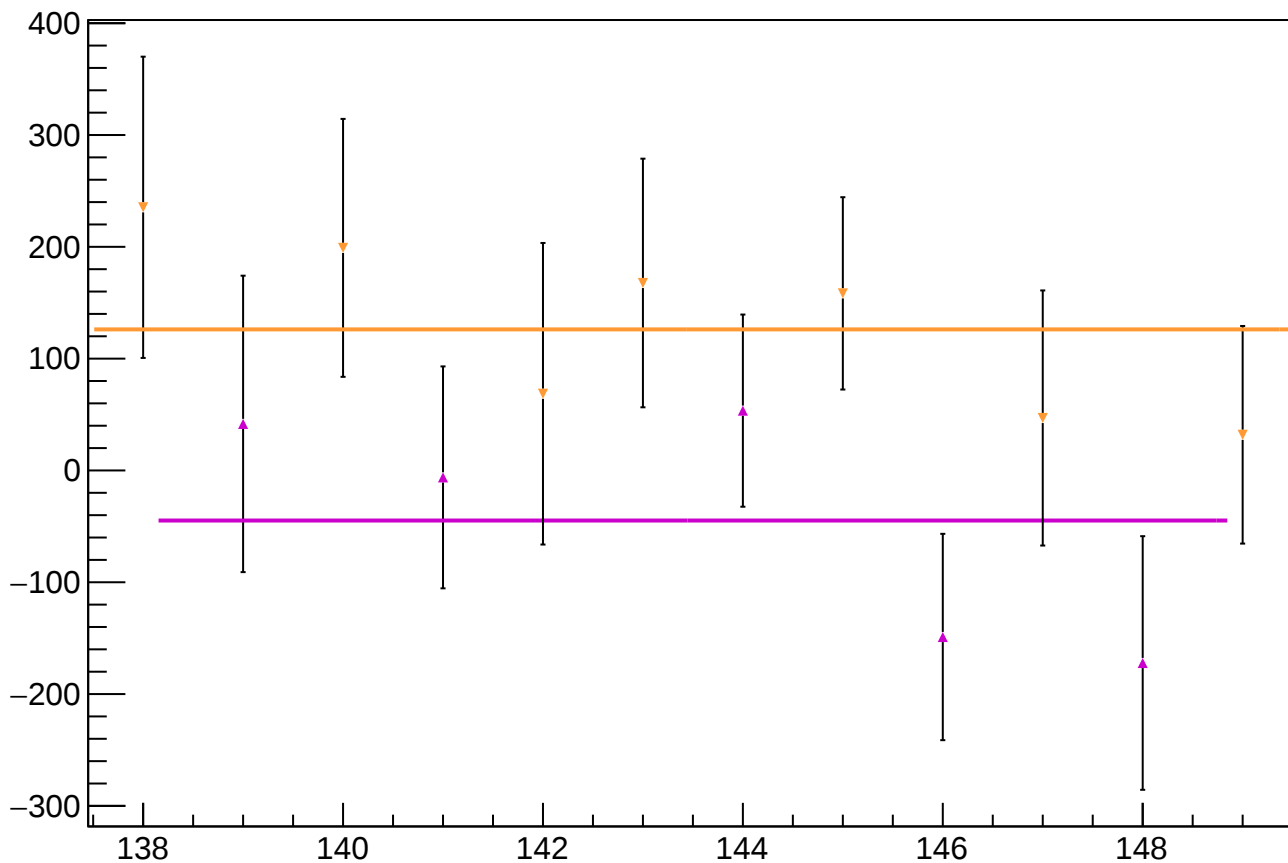
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 663.986+/-0.236 χ^2/NDF : 130004.6/4

646.683+/-0.207 χ^2/NDF : 192825.5/6

663.986+/-0.236 χ^2/NDF : 130004.6/4

reg_asym_sam_3748_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 126.159+/-41.388 χ^2/NDF : 2.9/6

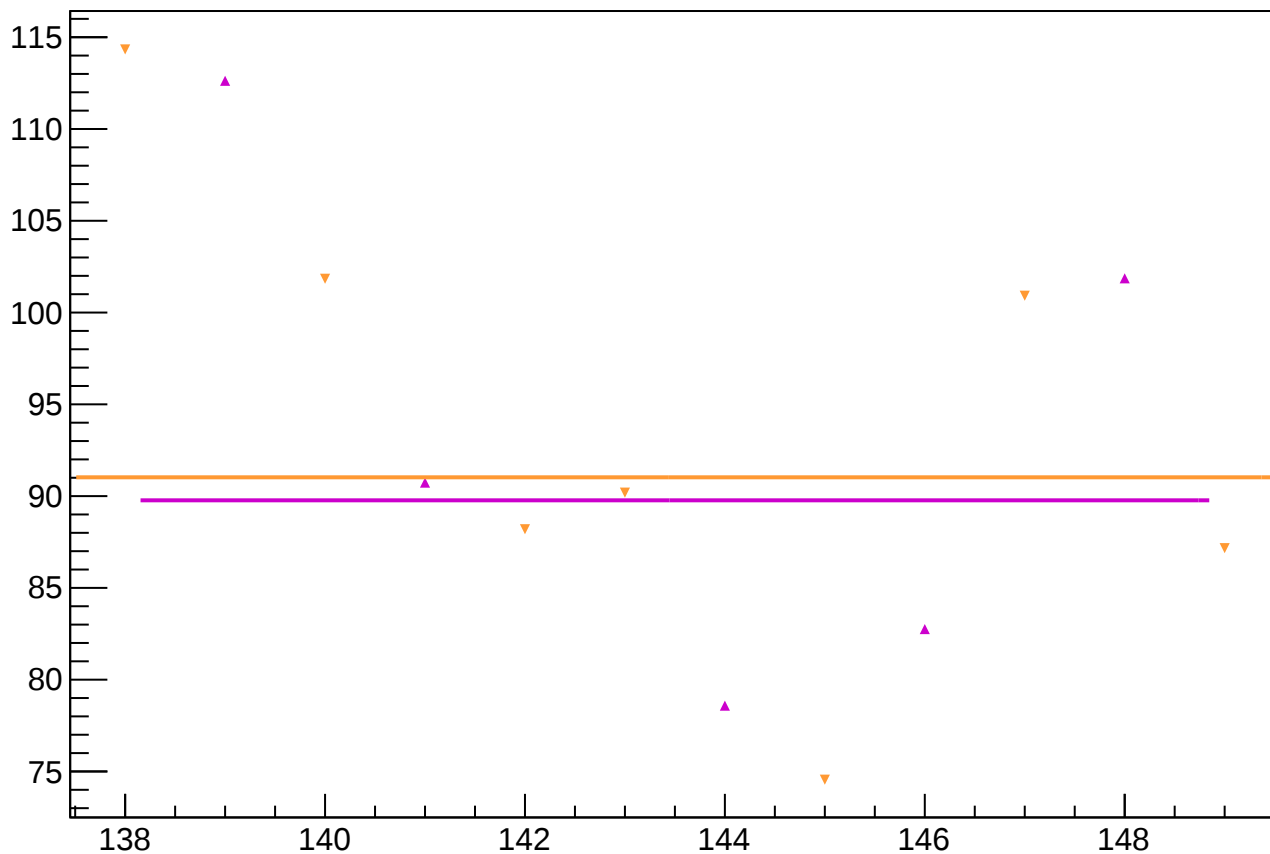
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -44.786+/-45.218 χ^2/NDF : 4.4/4

126.159+/-41.388 χ^2/NDF : 2.9/6

-44.786+/-45.218 χ^2/NDF : 4.4/4

reg_asym_sam_3748_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 91.024+/-0.029 χ^2/NDF :170020.0/6

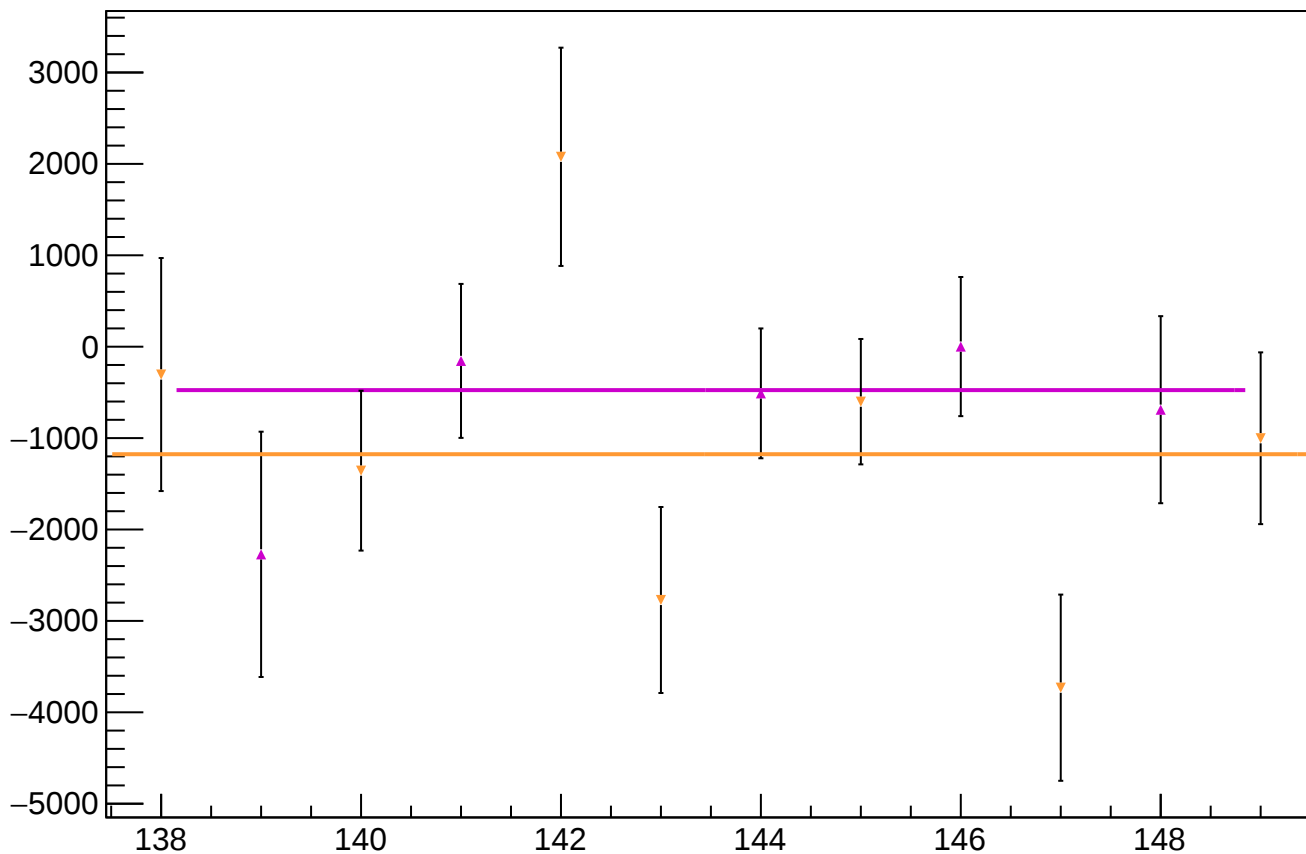
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 89.771+/-0.032 χ^2/NDF :127840.0/4

91.024+/-0.029 χ^2/NDF : 170020.0/6

89.771+/-0.032 χ^2/NDF : 127840.0/4

asym_sam_3748_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1176.302+/-357.786 χ^2/NDF : 17.4/6

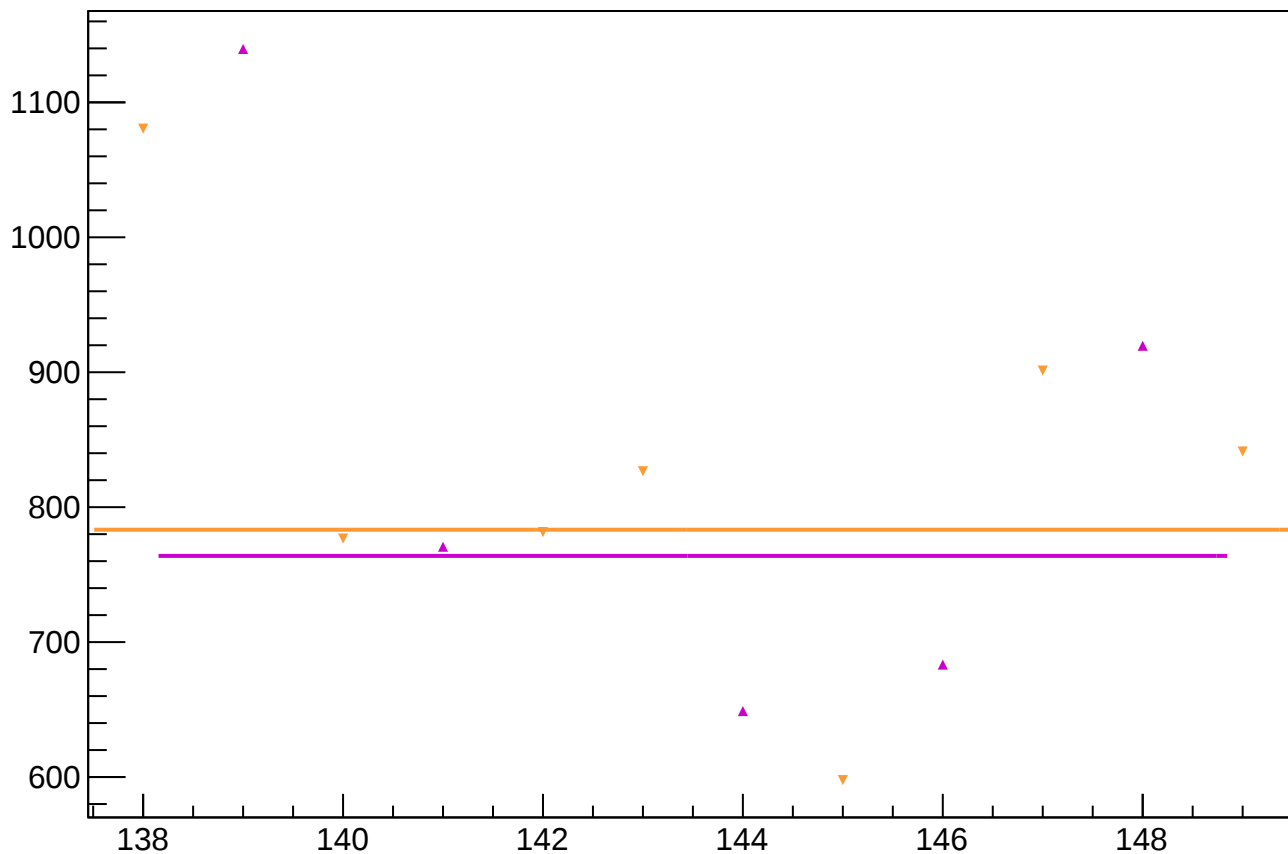
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -475.002+/-388.409 χ^2/NDF : 2.4/4

-1176.302+/-357.786 χ^2/NDF : 17.4/6

-475.002+/-388.409 χ^2/NDF : 2.4/4

asym_sam_3748_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 783.283+/-0.253 χ^2/NDF : 293279.6/6

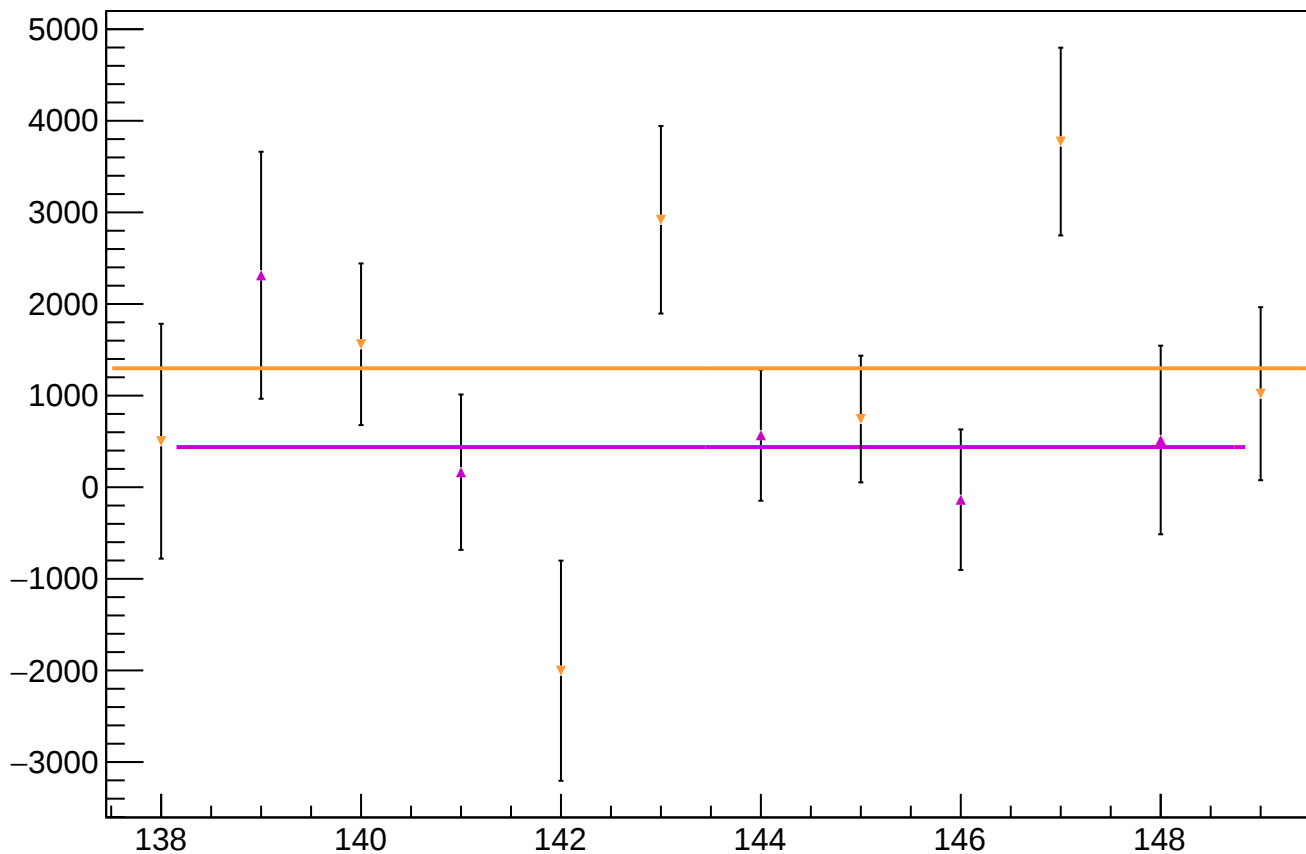
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 763.897+/-0.275 χ^2/NDF : 278055.2/4

783.283+/-0.253 χ^2/NDF : 293279.6/6

763.897+/-0.275 χ^2/NDF : 278055.2/4

asym_sam_3748_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1298.160+/-360.295 χ^2/NDF : 17.1/6

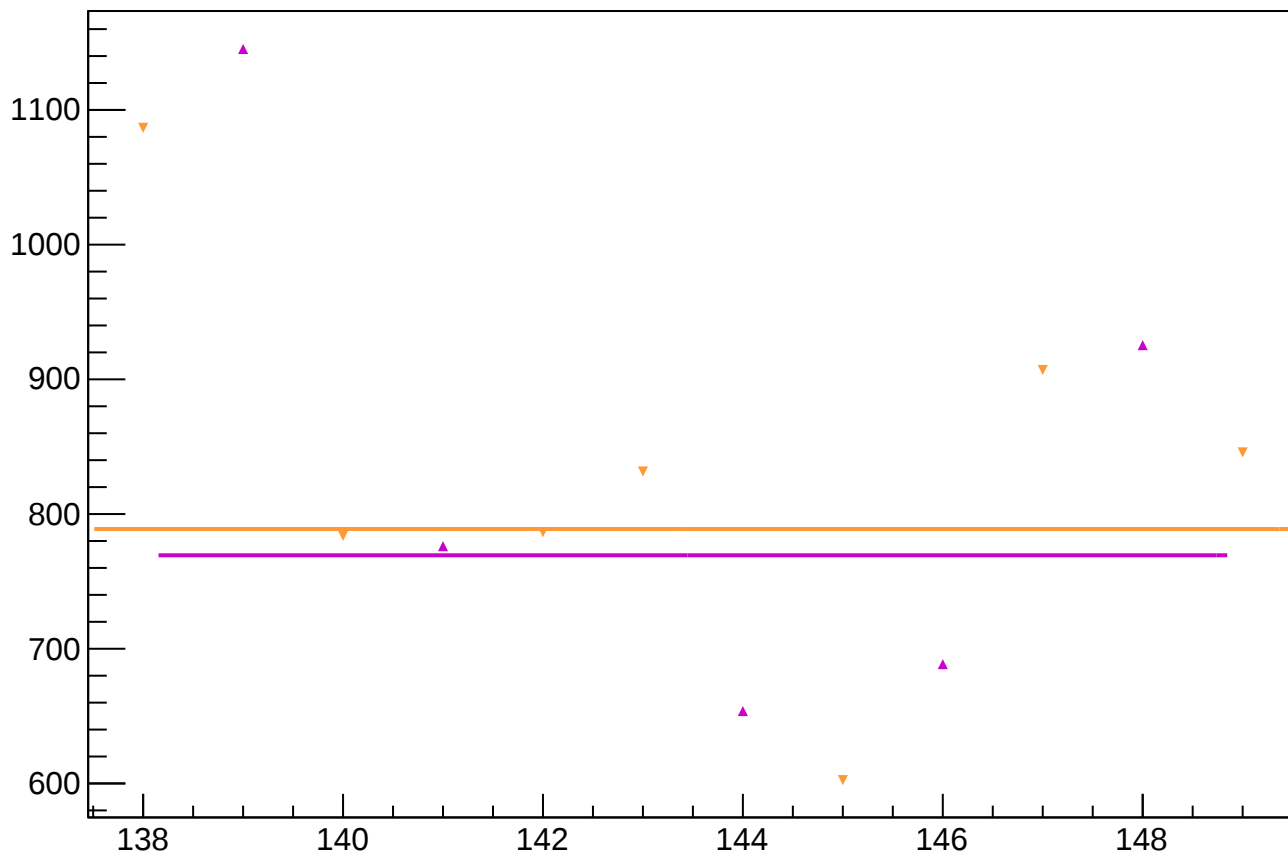
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 438.277+/-391.136 χ^2/NDF : 2.6/4

1298.160+/-360.295 χ^2/NDF : 17.1/6

438.277+/-391.136 χ^2/NDF : 2.6/4

asym_sam_3748_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 788.885+/-0.255 χ^2/NDF : 290628.6/6

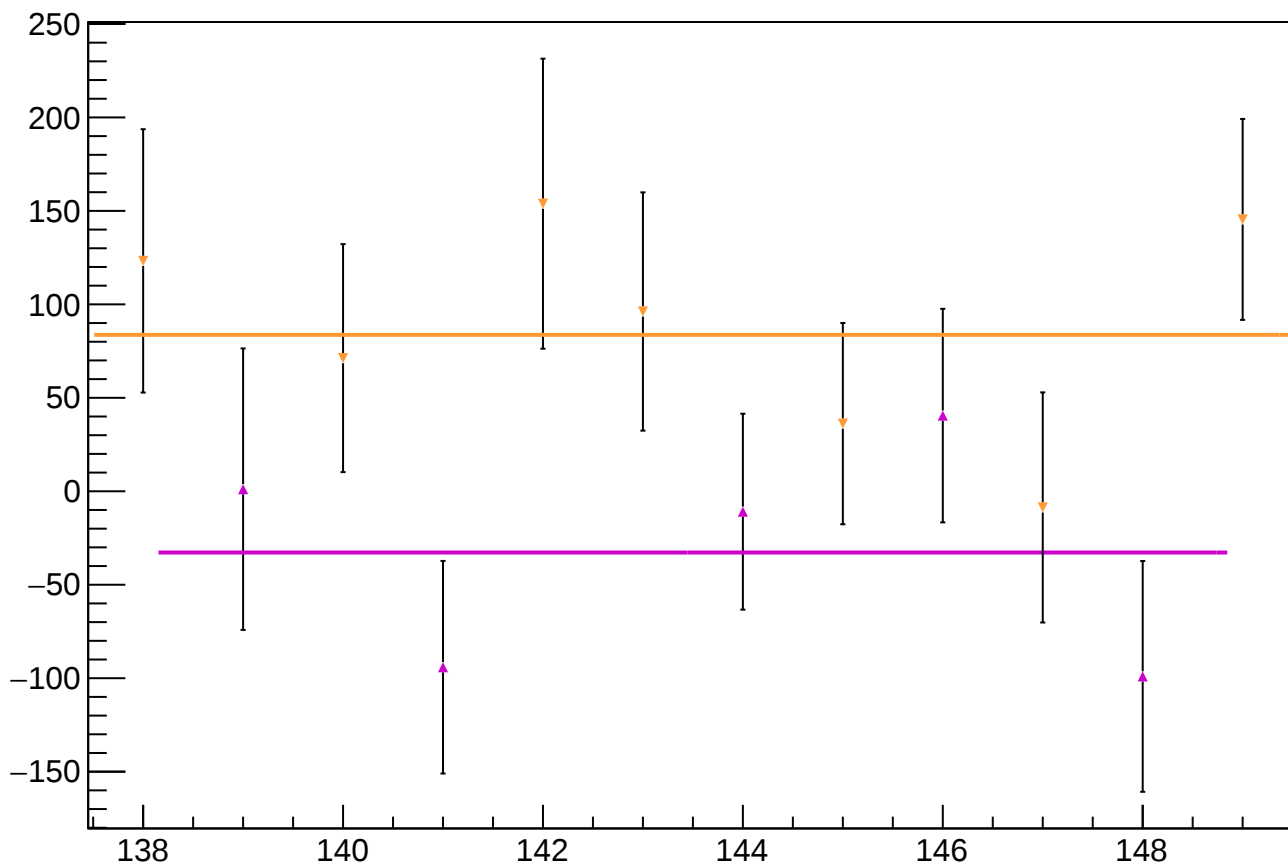
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 769.393+/-0.277 χ^2/NDF : 275866.4/4

788.885+/-0.255 χ^2/NDF : 290628.6/6

769.393+/-0.277 χ^2/NDF : 275866.4/4

reg_asym_sam_1526_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 83.683+/-23.327 χ^2/NDF : 5.6/6

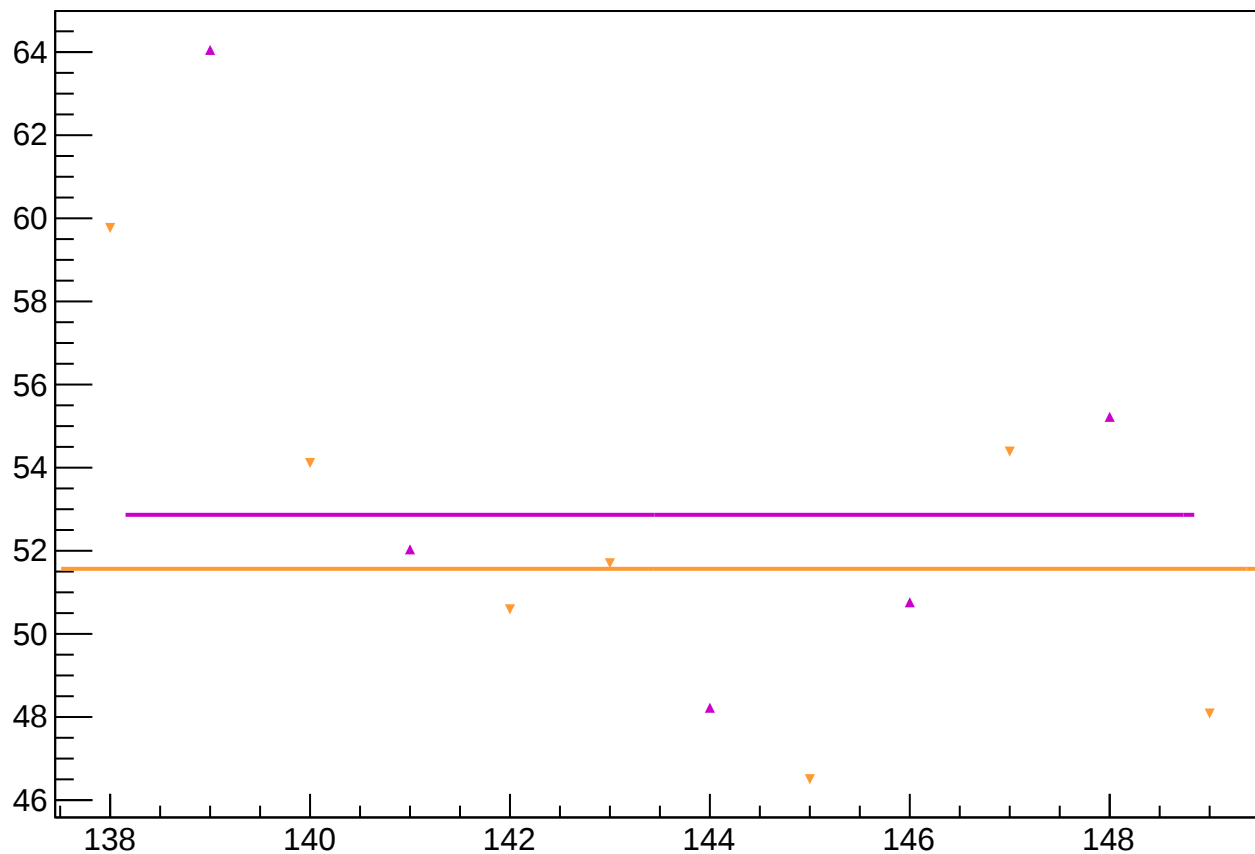
83.683+/-23.327 χ^2/NDF : 5.6/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-32.751+/-26.548 χ^2/NDF : 4.3/4

Left In: -32.751+/-26.548 χ^2/NDF : 4.3/4

reg_asym_sam_1526_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 51.566+/-0.016 χ^2/NDF : 61201.9/6

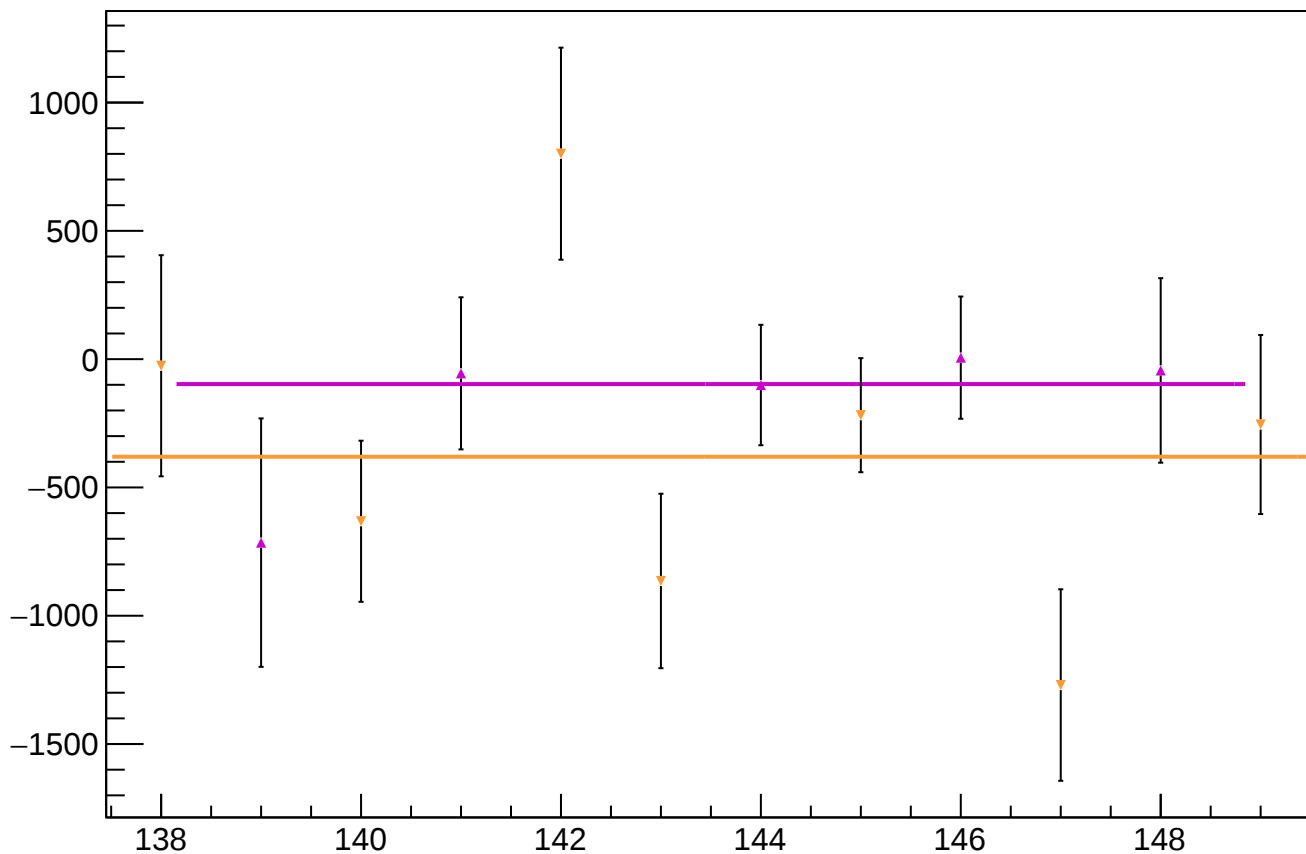
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 52.865+/-0.019 χ^2/NDF : 65908.6/4

51.566+/-0.016 χ^2/NDF : 61201.9/6

52.865+/-0.019 χ^2/NDF : 65908.6/4

asym_sam_1526_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -380.269+/-123.399 χ^2/NDF : 17.9/6

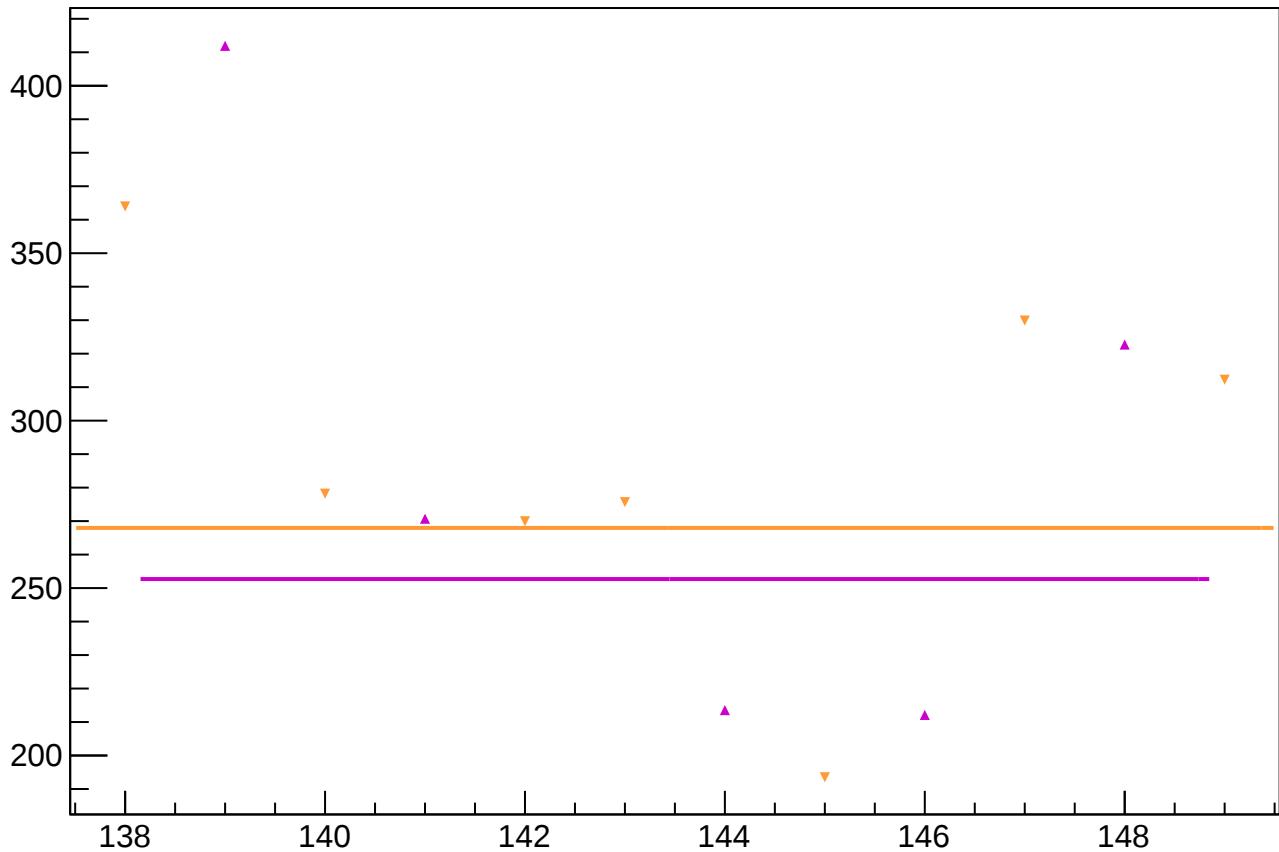
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -97.173+/-129.983 χ^2/NDF : 1.9/4

-380.269+/-123.399 χ^2/NDF : 17.9/6

-97.173+/-129.983 χ^2/NDF : 1.9/4

asym_sam_1526_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 267.967+/-0.087 χ^2/NDF : 414083.7/6

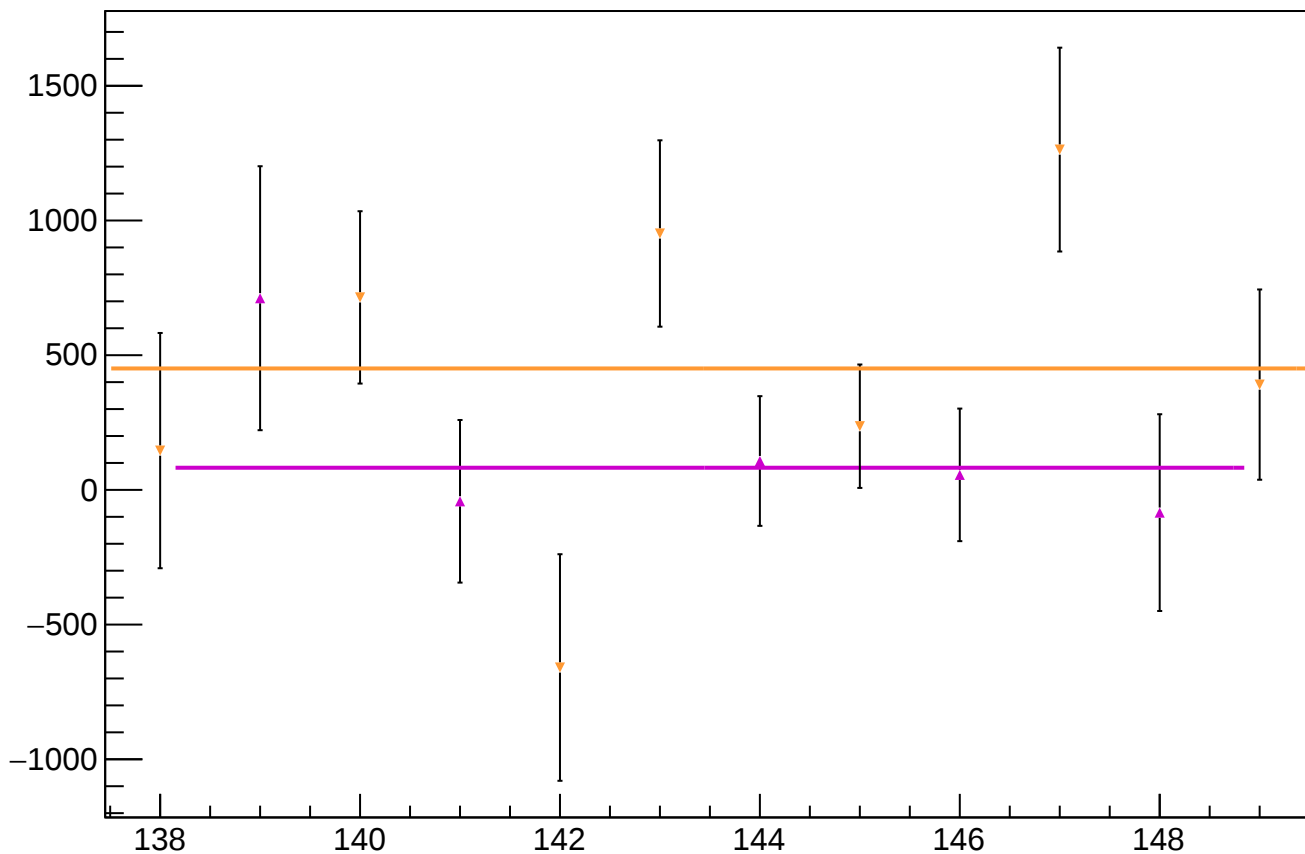
267.967+/-0.087 χ^2/NDF : 414083.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

252.698+/-0.092 χ^2/NDF : 413346.9/4

Left In: 252.698+/-0.092 χ^2/NDF : 413346.9/4

asym_sam_1526_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 450.766+/-125.901 χ^2/NDF :15.7/6

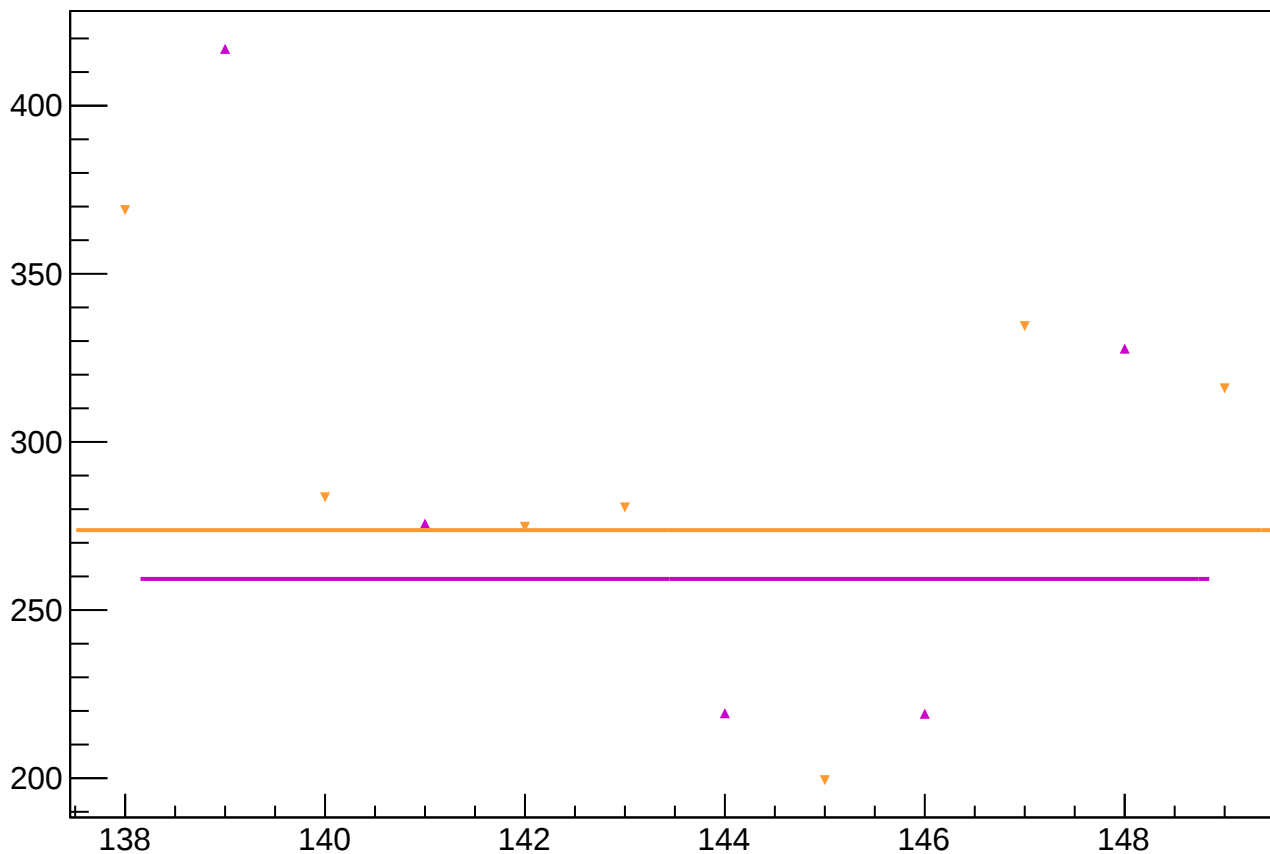
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 82.211+/-133.139 χ^2/NDF :2.1/4

450.766+/-125.901 χ^2/NDF : 15.7/6

82.211+/-133.139 χ^2/NDF : 2.1/4

asym_sam_1526_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 273.780+/-0.089 χ^2/NDF : 388361.5/6

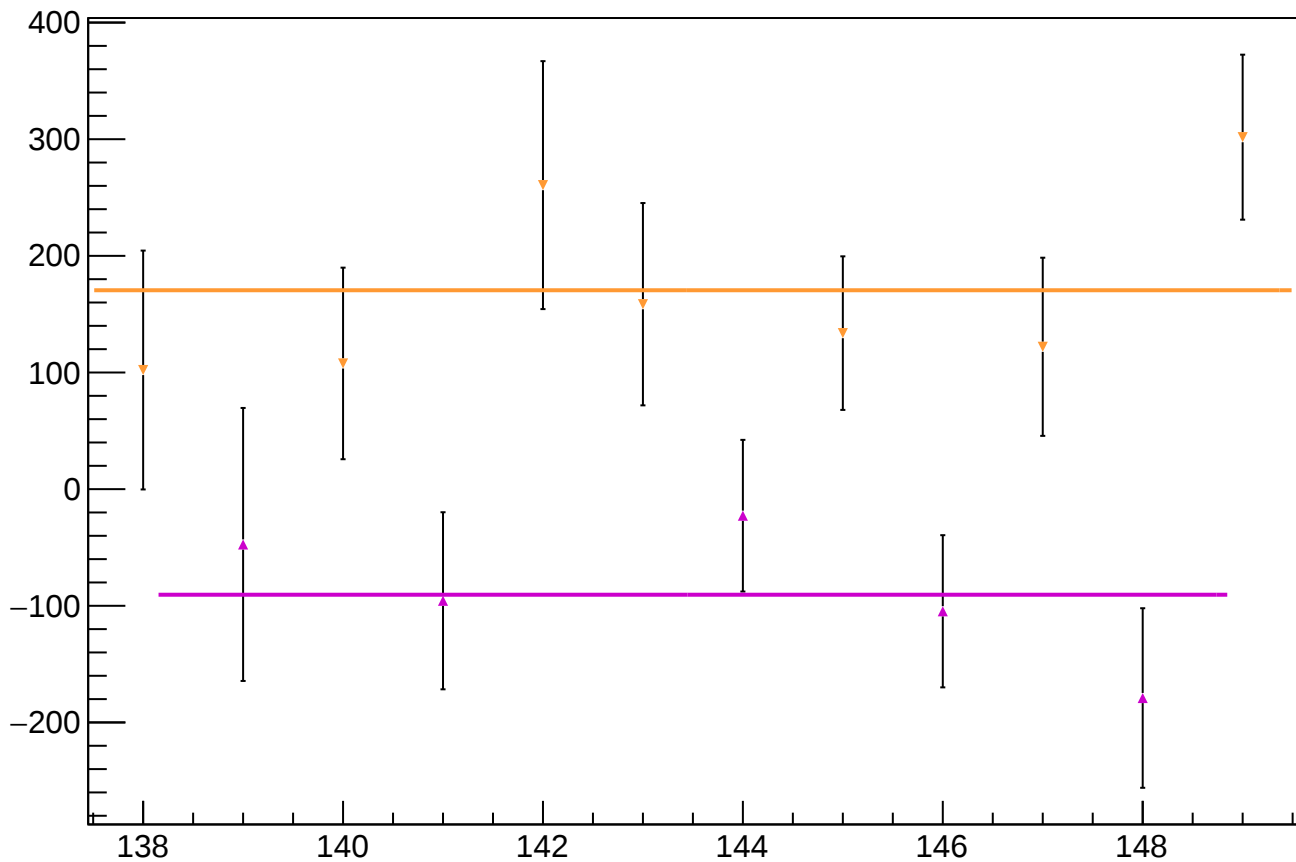
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 259.266+/-0.094 χ^2/NDF : 391516.7/4

273.780+/-0.089 χ^2/NDF : 388361.5/6

259.266+/-0.094 χ^2/NDF : 391516.7/4

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 170.512 $\pm$ 30.608 χ^2/NDF : 5.9/6

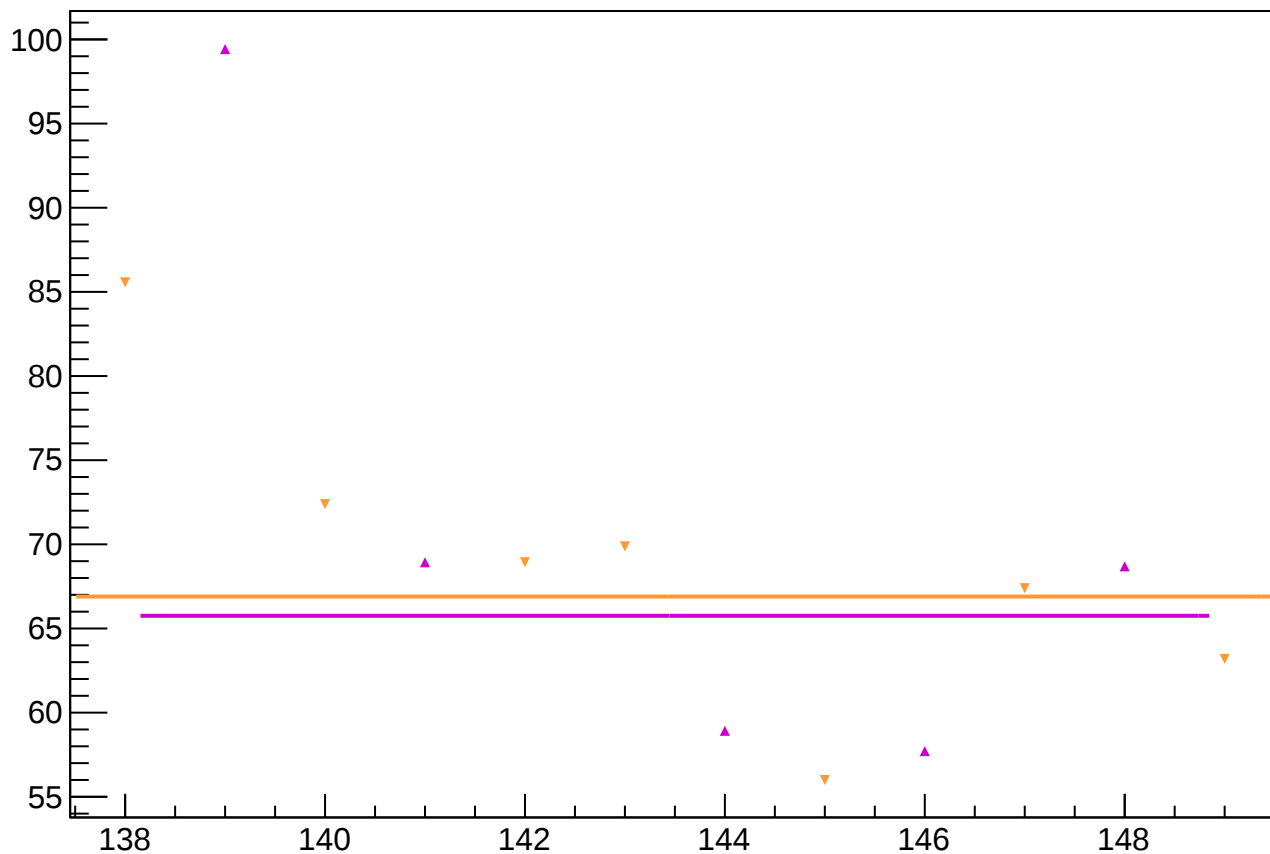
170.512 $\pm$ 30.608 χ^2/NDF : 5.9/6

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

-90.513 $\pm$ 33.576 χ^2/NDF : 2.6/4

Left In: -90.513 $\pm$ 33.576 χ^2/NDF : 2.6/4

reg_asym_sam_3726_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 66.899+/-0.022 χ^2/NDF :138958.2/6

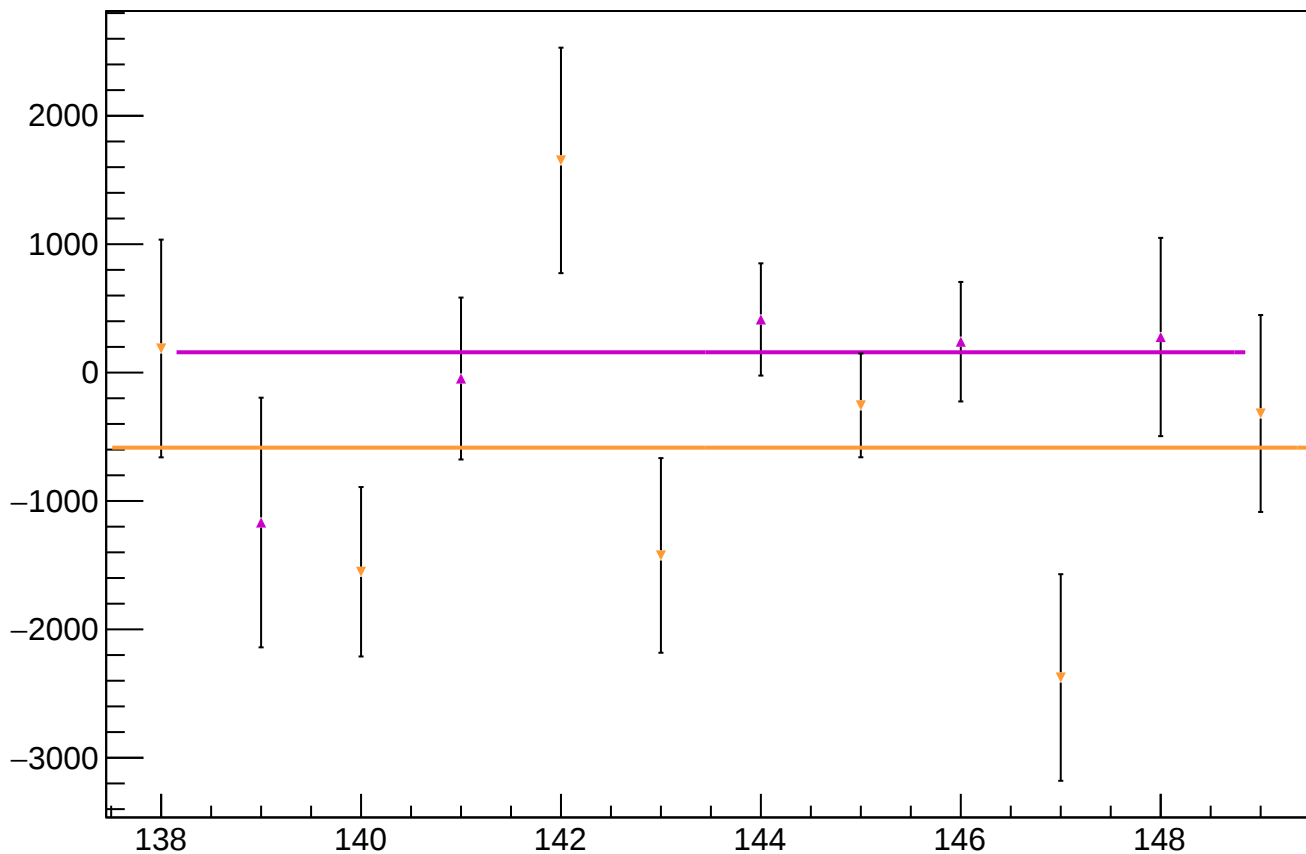
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 65.756+/-0.024 χ^2/NDF :224514.8/4

66.899+/-0.022 χ^2/NDF : 138958.2/6

65.756+/-0.024 χ^2/NDF : 224514.8/4

asym_sam_3726_avg_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -584.800+/-249.287 χ^2/NDF : 16.4/6

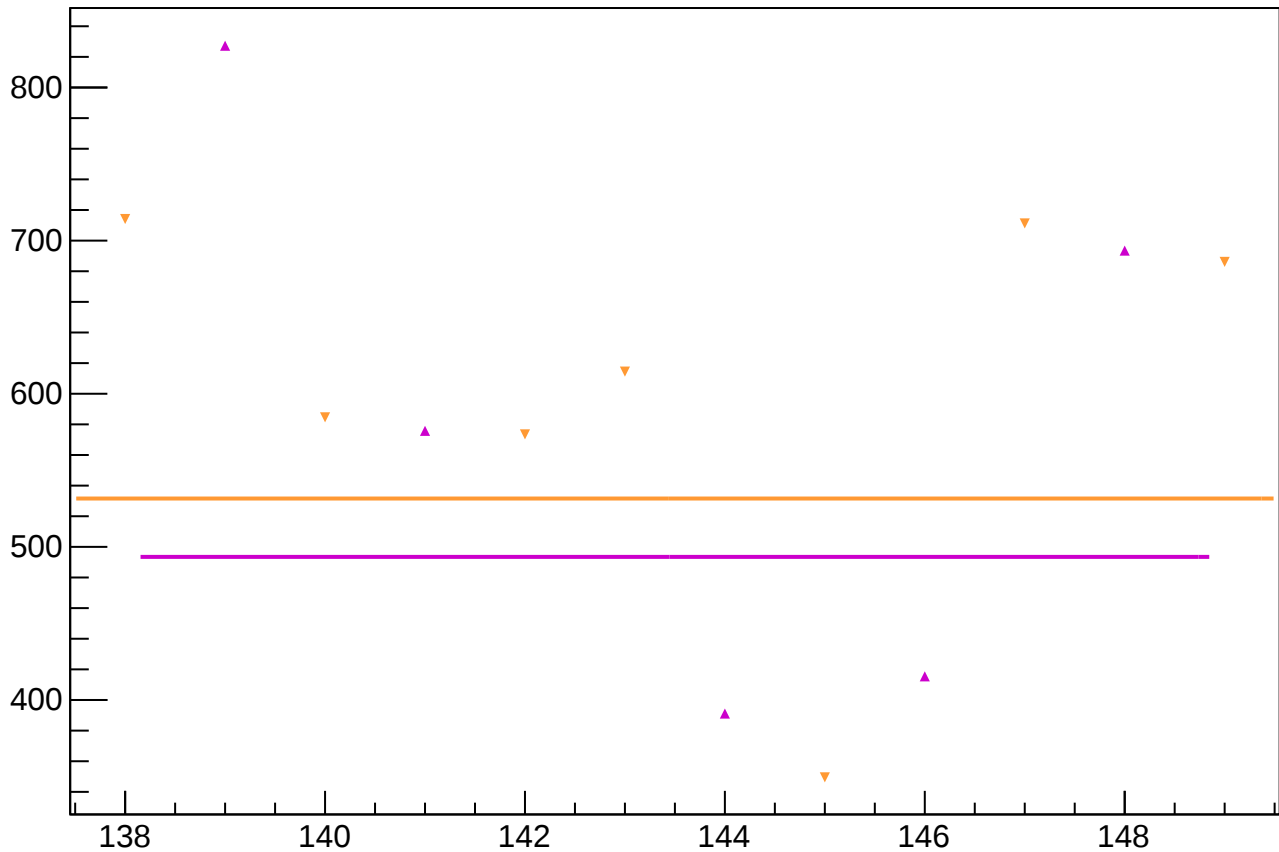
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 158.253+/-257.340 χ^2/NDF : 2.4/4

-584.800+/-249.287 χ^2/NDF : 16.4/6

158.253+/-257.340 χ^2/NDF : 2.4/4

asym_sam_3726_avg_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 531.572+/-0.176 χ^2/NDF : 721006.3/6

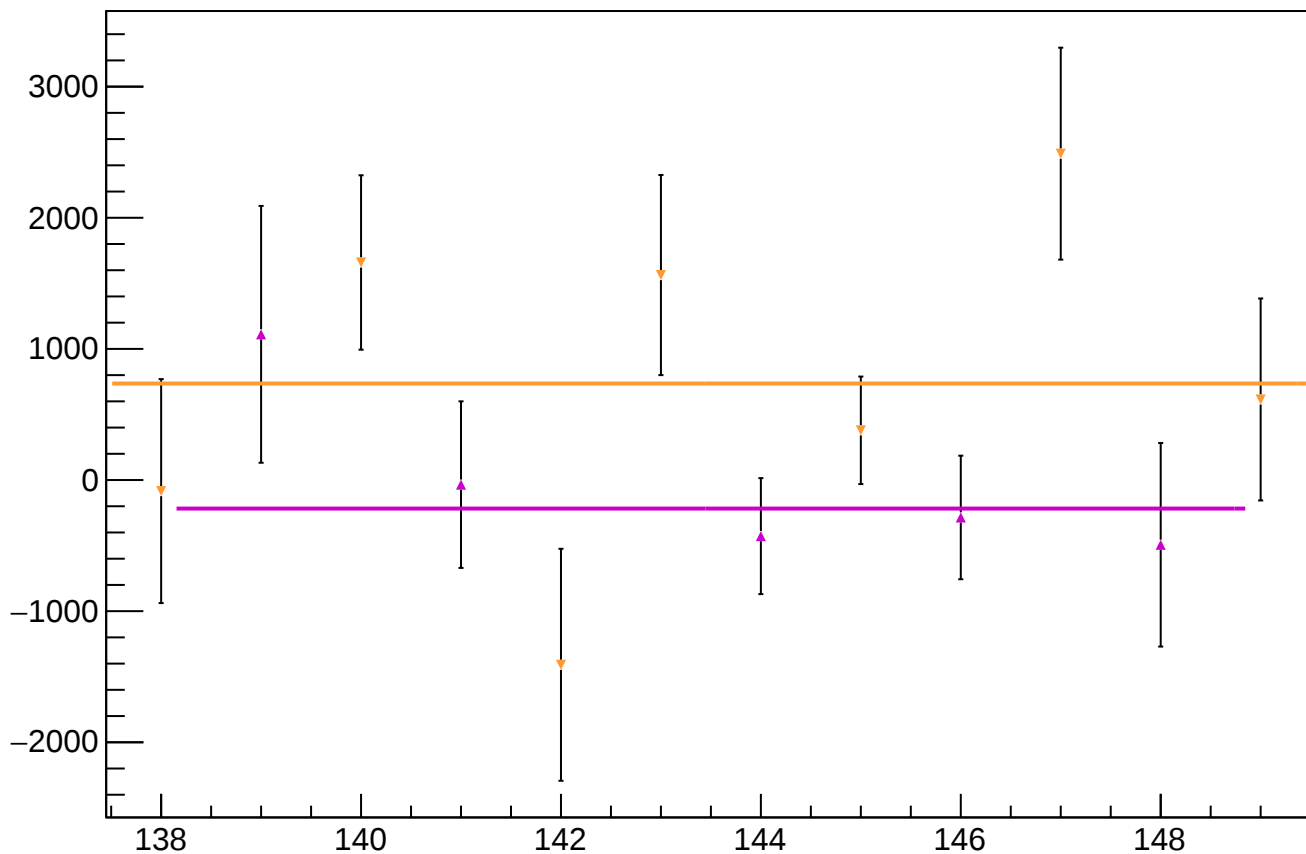
531.572+/-0.176 χ^2/NDF : 721006.3/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

493.459+/-0.182 χ^2/NDF : 569868.9/4

Left In: 493.459+/-0.182 χ^2/NDF : 569868.9/4

asym_sam_3726_avg_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 735.828+/-251.640 χ^2/NDF : 15.4/6

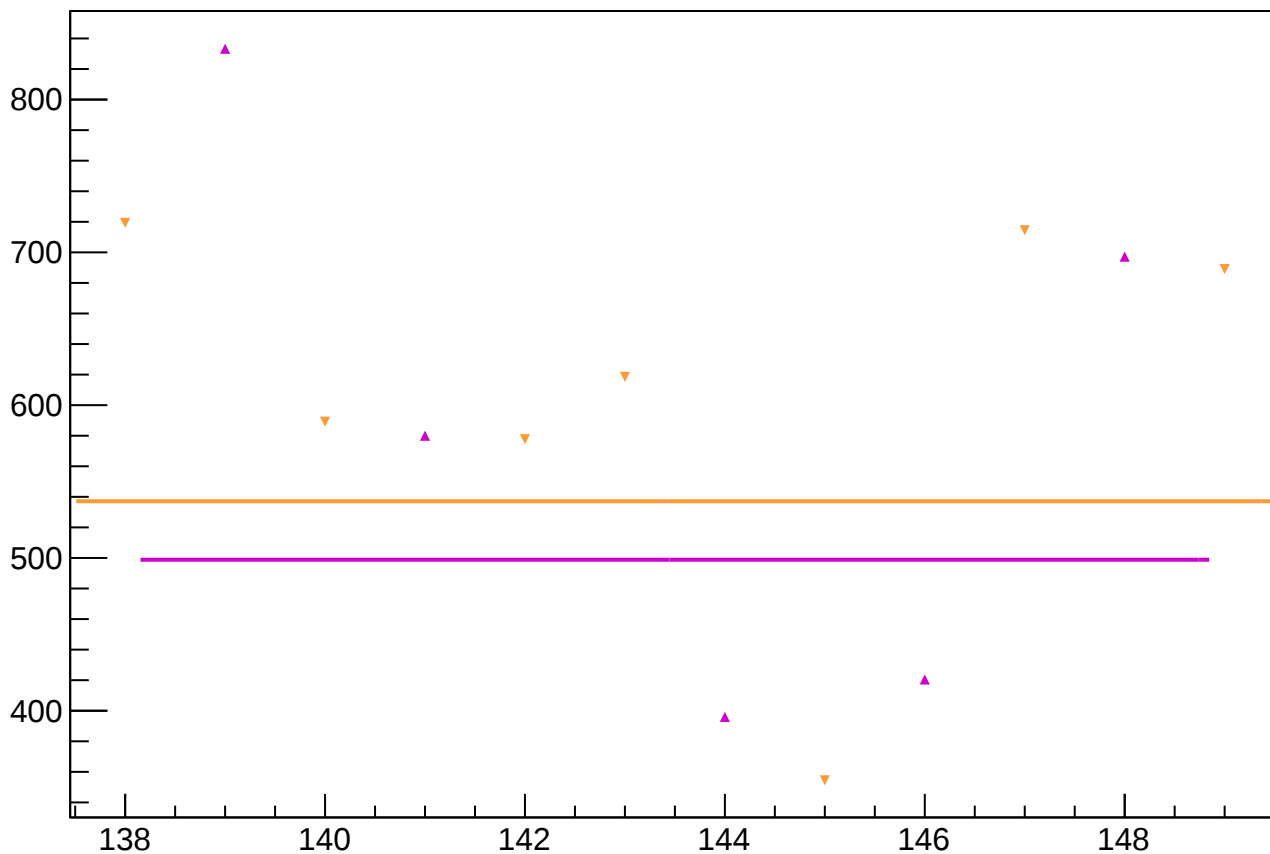
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -217.638+/-259.956 χ^2/NDF : 2.3/4

735.828+/-251.640 χ^2/NDF : 15.4/6

-217.638+/-259.956 χ^2/NDF : 2.3/4

asym_sam_3726_avg_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 537.129+/-0.178 χ^2/NDF : 701343.1/6

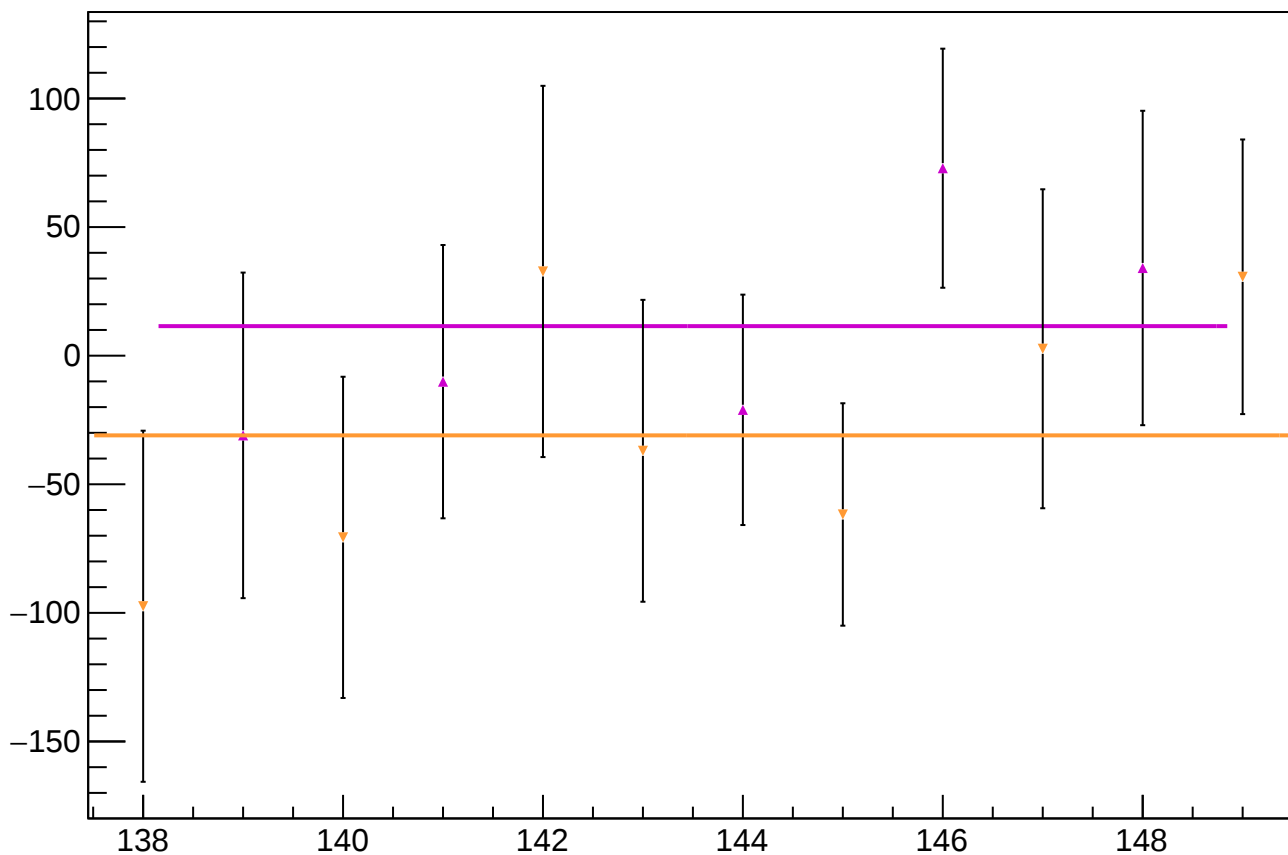
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 498.849+/-0.184 χ^2/NDF : 559965.4/4

537.129+/-0.178 χ^2/NDF : 701343.1/6

498.849+/-0.184 χ^2/NDF : 559965.4/4

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -30.985+/-21.827 χ^2/NDF : 4.3/6

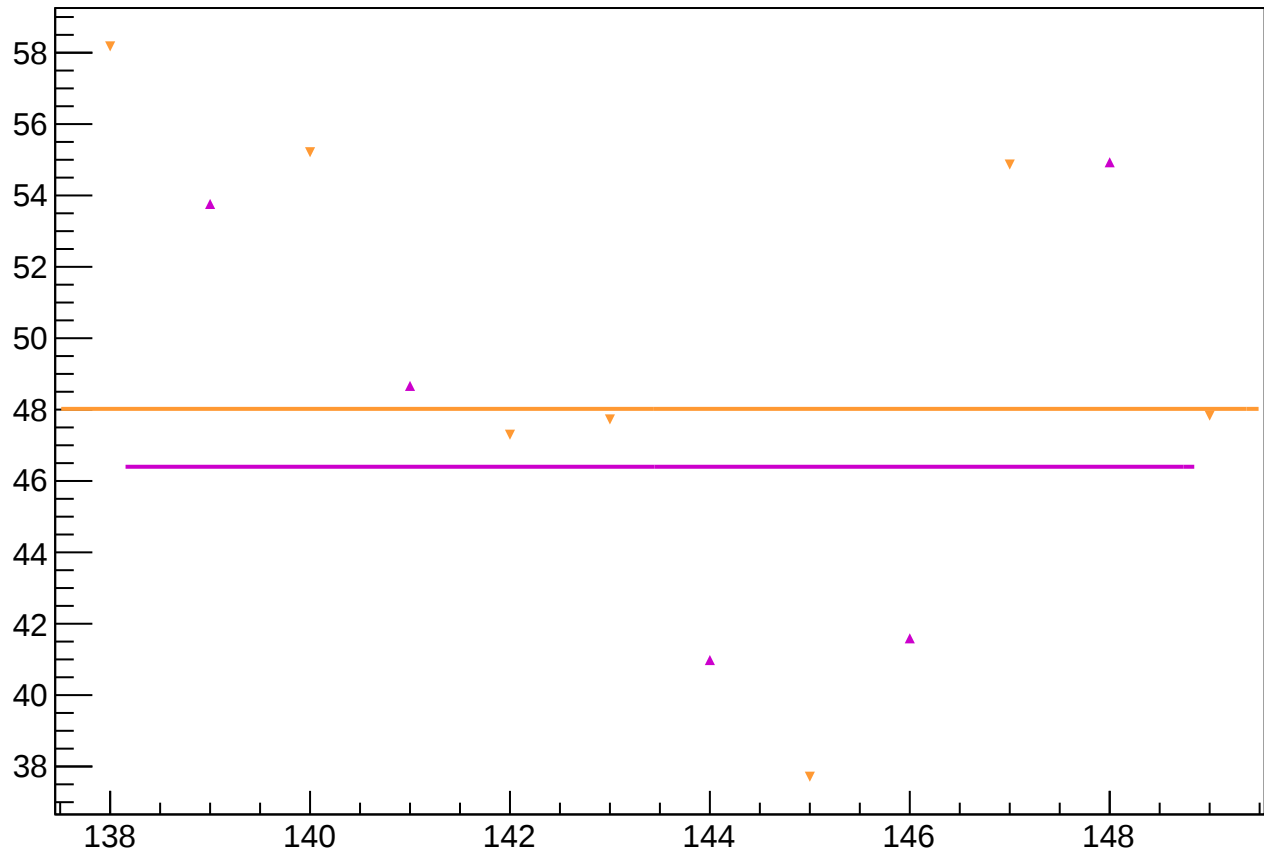
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 11.487+/-23.358 χ^2/NDF : 3.0/4

-30.985+/-21.827 χ^2/NDF : 4.3/6

11.487+/-23.358 χ^2/NDF : 3.0/4

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 48.021+/-0.015 χ^2/NDF : 209081.8/6

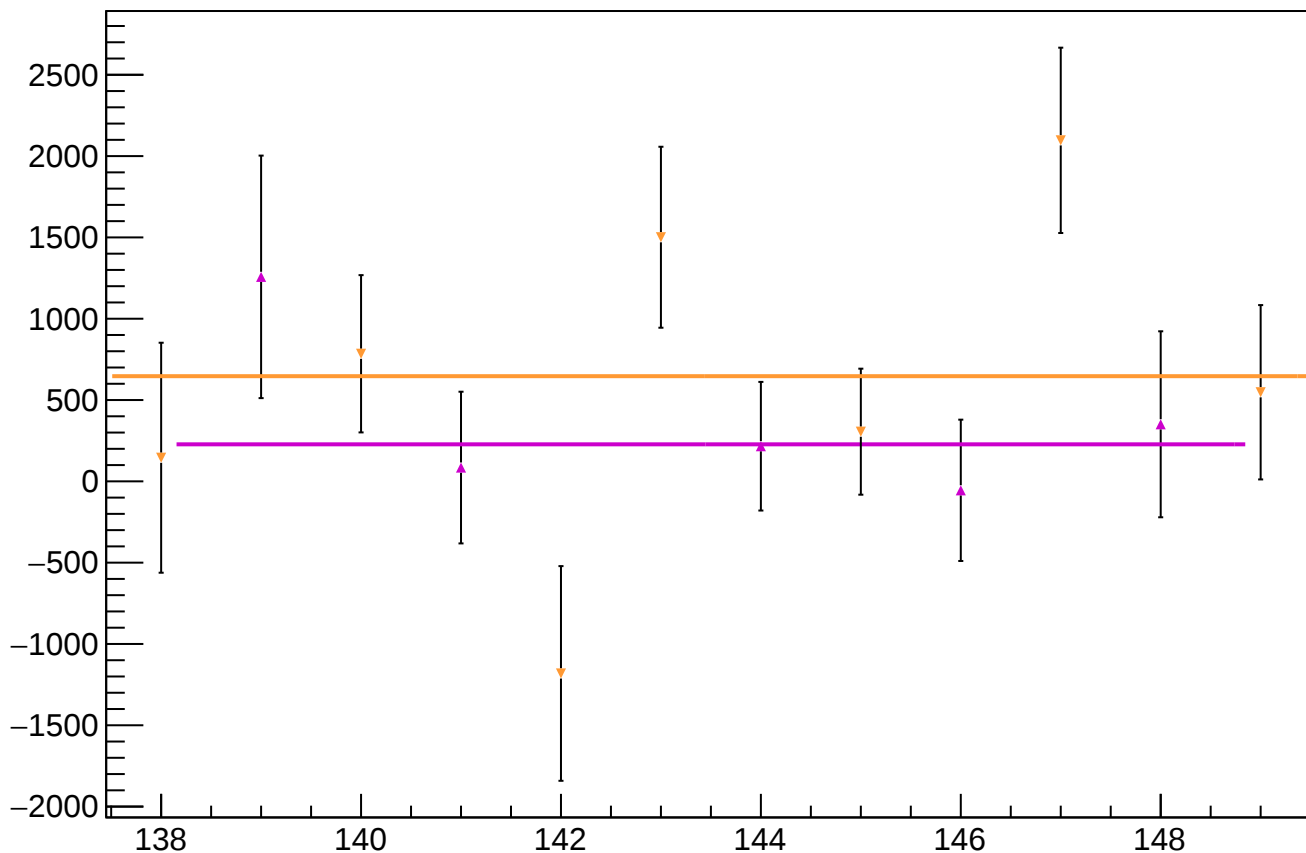
48.021+/-0.015 χ^2/NDF : 209081.8/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

46.398+/-0.017 χ^2/NDF : 120311.9/4

Left In: 46.398+/-0.017 χ^2/NDF : 120311.9/4

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 646.637+/-199.911 χ^2/NDF : 17.9/6

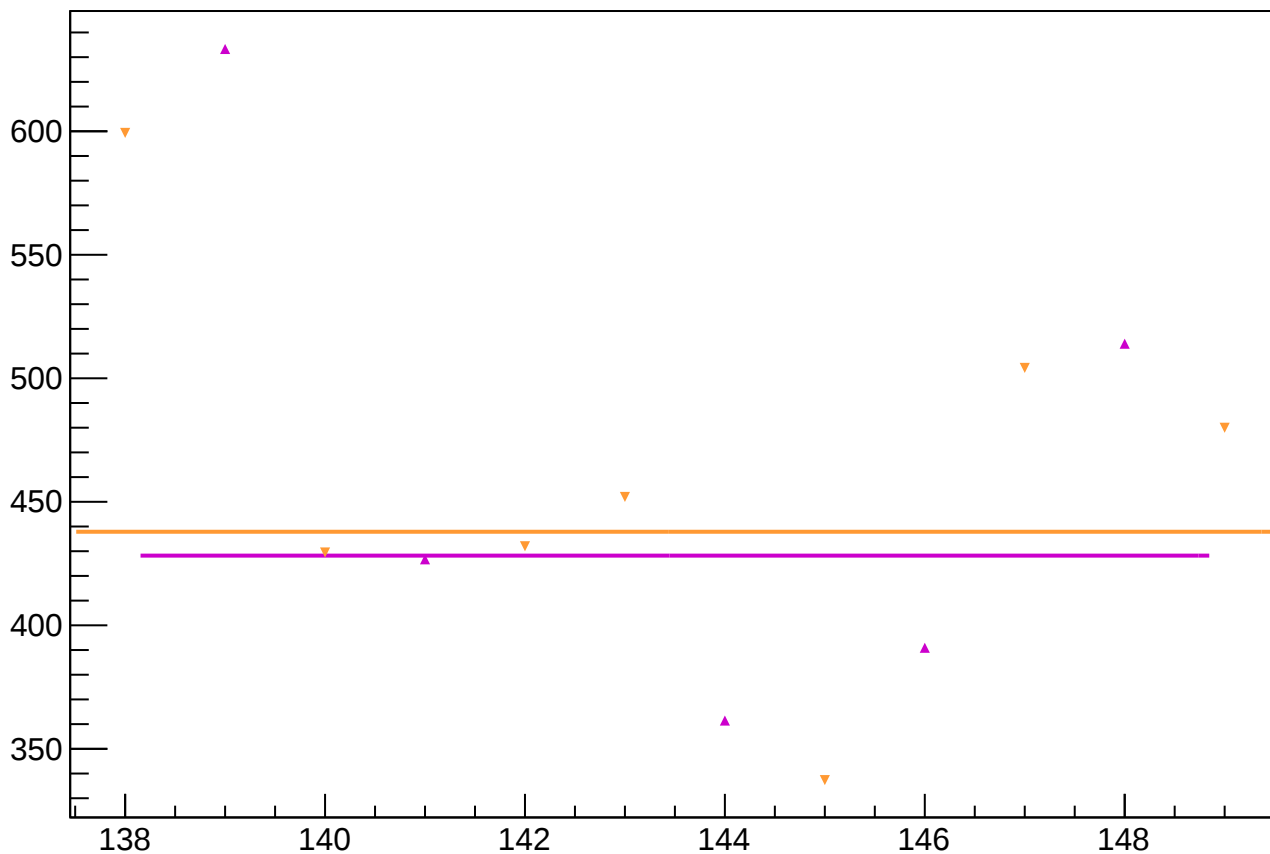
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 227.617+/-217.476 χ^2/NDF : 2.5/4

646.637+/-199.911 χ^2/NDF : 17.9/6

227.617+/-217.476 χ^2/NDF : 2.5/4

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 437.880+/-0.141 χ^2/NDF : 280424.4/6

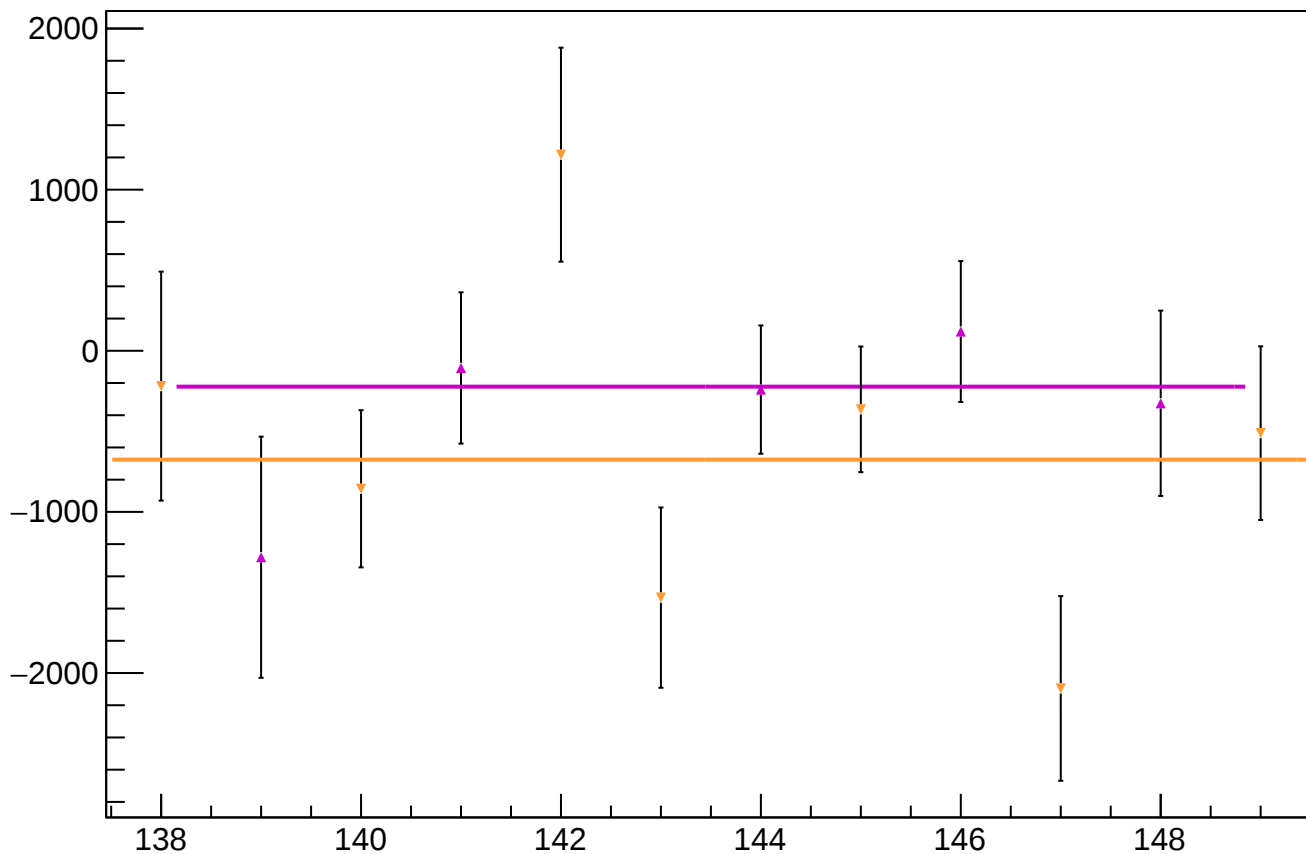
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 428.217+/-0.154 χ^2/NDF : 268087.7/4

437.880+/-0.141 χ^2/NDF : 280424.4/6

428.217+/-0.154 χ^2/NDF : 268087.7/4

asym_sam_15_48_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -675.660+/-201.163 χ^2/NDF : 17.9/6

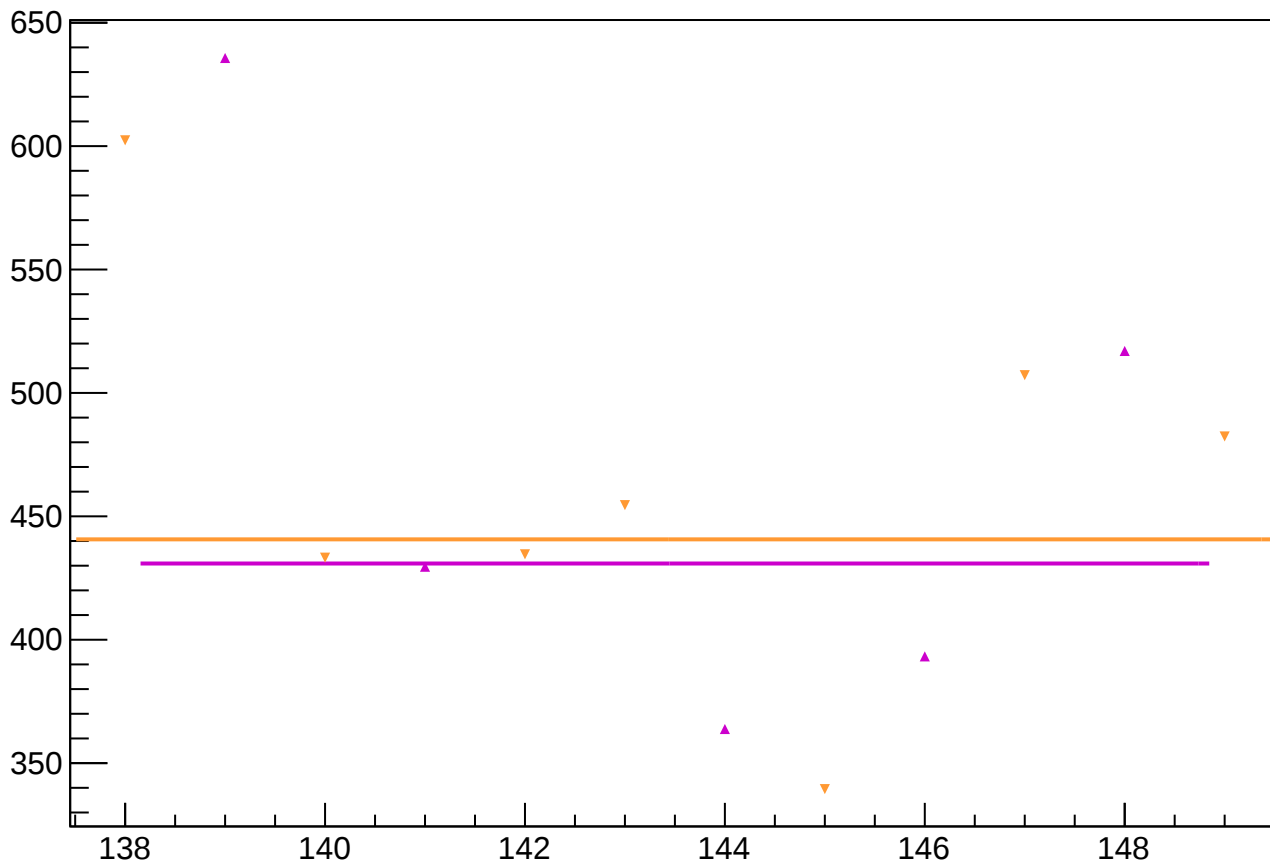
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -222.635+/-218.799 χ^2/NDF : 2.7/4

-675.660+/-201.163 χ^2/NDF : 17.9/6

-222.635+/-218.799 χ^2/NDF : 2.7/4

asym_sam_15_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 440.671+/-0.142 χ^2/NDF : 279030.0/6

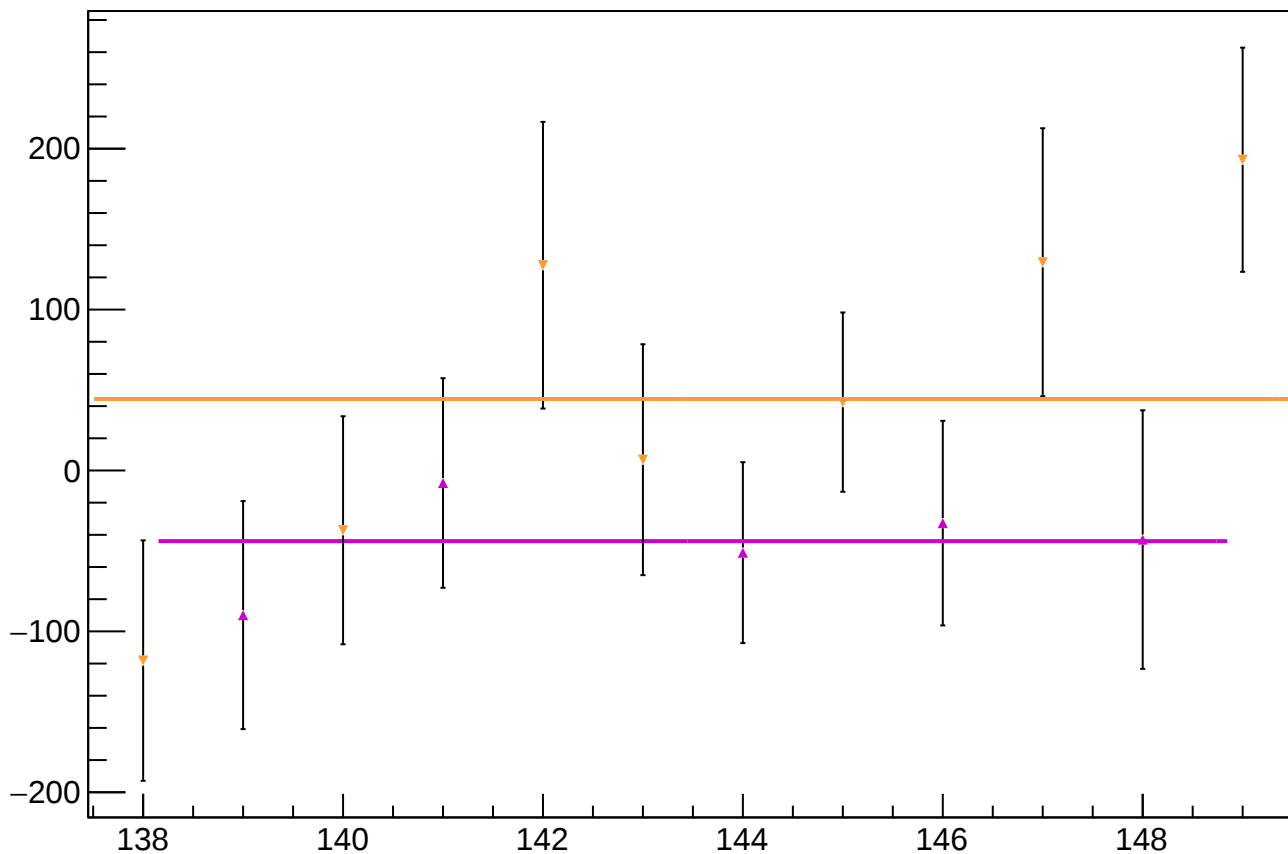
440.671+/-0.142 χ^2/NDF : 279030.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

430.886+/-0.155 χ^2/NDF : 266223.4/4

Left In: 430.886+/-0.155 χ^2/NDF : 266223.4/4

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 44.456+/-27.009 χ^2/NDF : 12.8/6

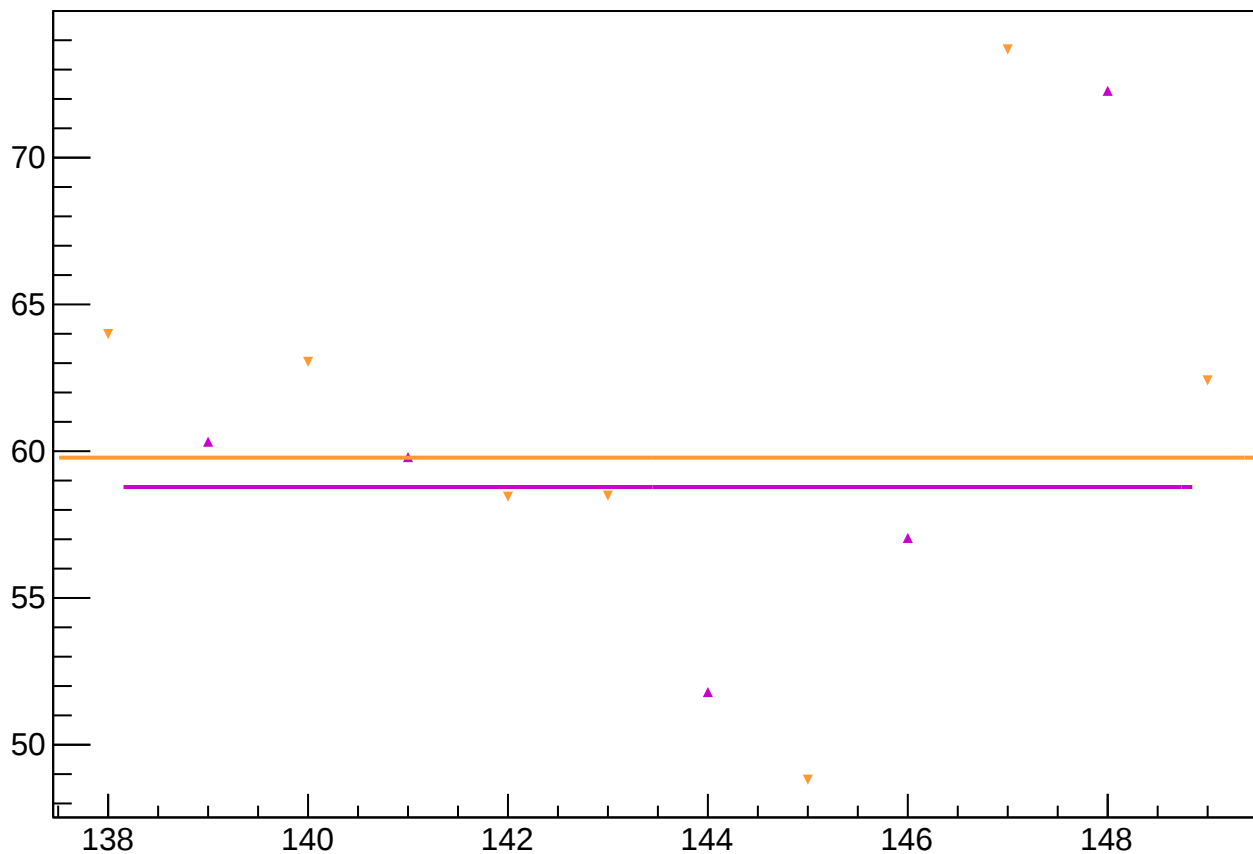
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -43.904+/-29.446 χ^2/NDF : 0.8/4

44.456+/-27.009 χ^2/NDF : 12.8/6

-43.904+/-29.446 χ^2/NDF : 0.8/4

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 59.781+/-0.019 χ^2/NDF : 147790.3/6

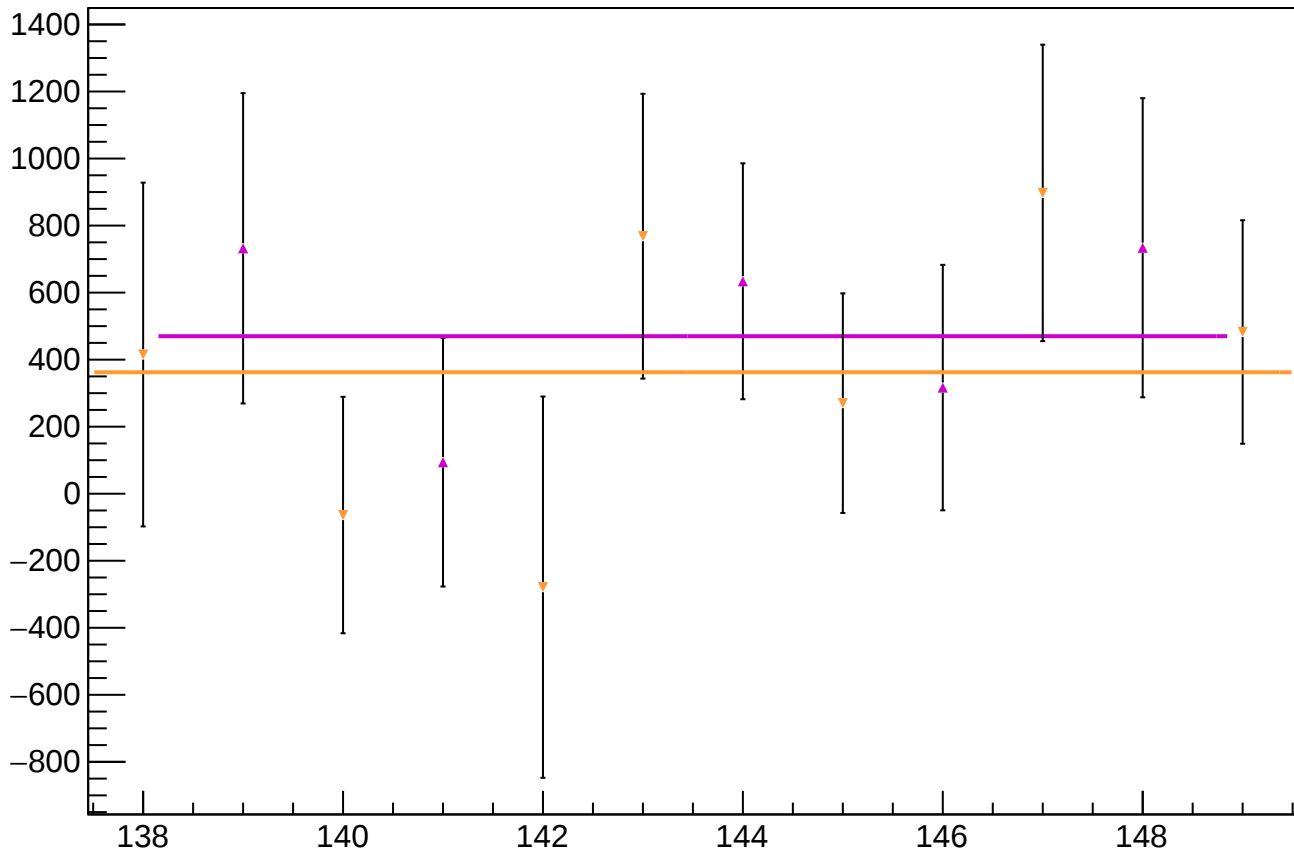
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 58.780+/-0.021 χ^2/NDF : 90203.5/4

59.781+/-0.019 χ^2/NDF : 147790.3/6

58.780+/-0.021 χ^2/NDF : 90203.5/4

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 362.380+/-150.940 χ^2/NDF : 5.3/6

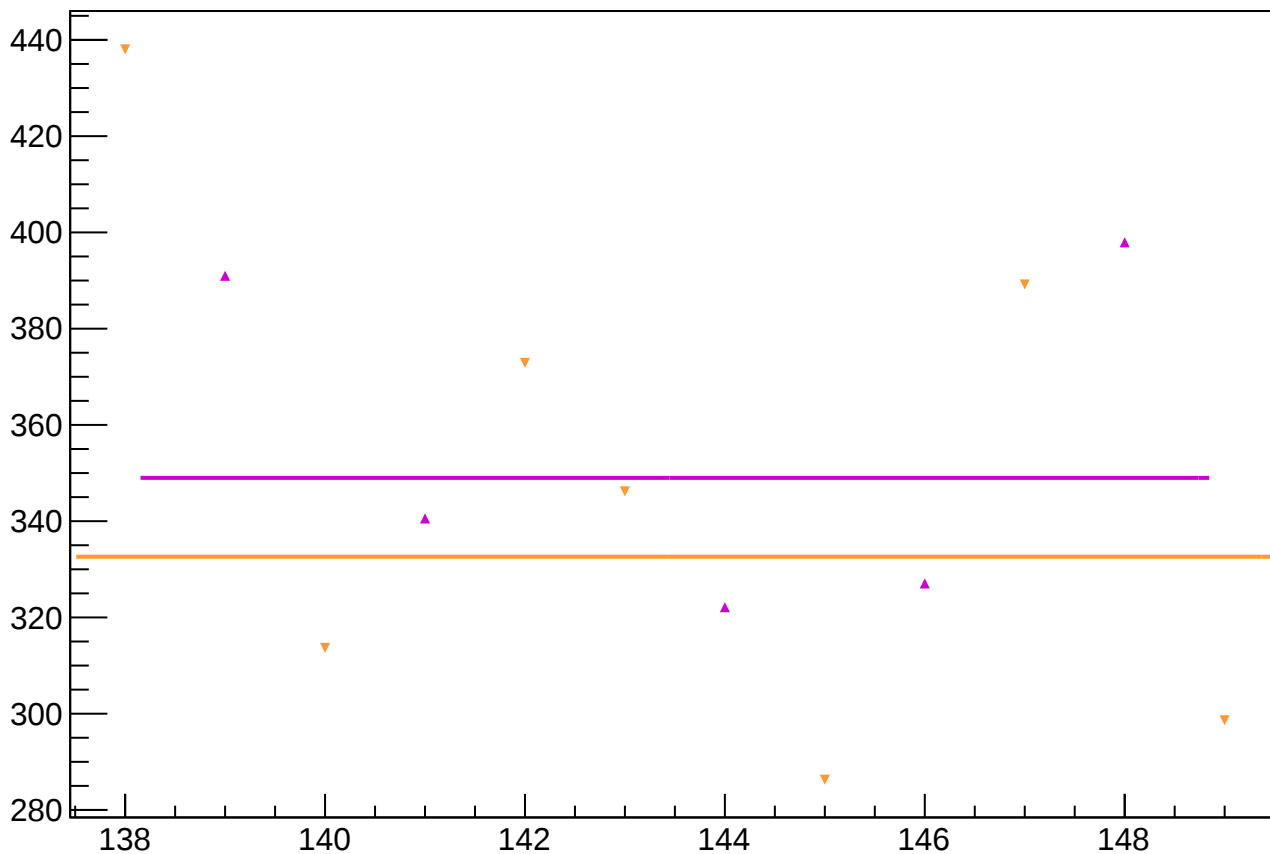
362.380+/-150.940 χ^2/NDF : 5.3/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

469.918+/-175.456 χ^2/NDF : 2.1/4

Left In: 469.918+/-175.456 χ^2/NDF : 2.1/4

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 332.614+/-0.107 χ^2/NDF :195808.6/6

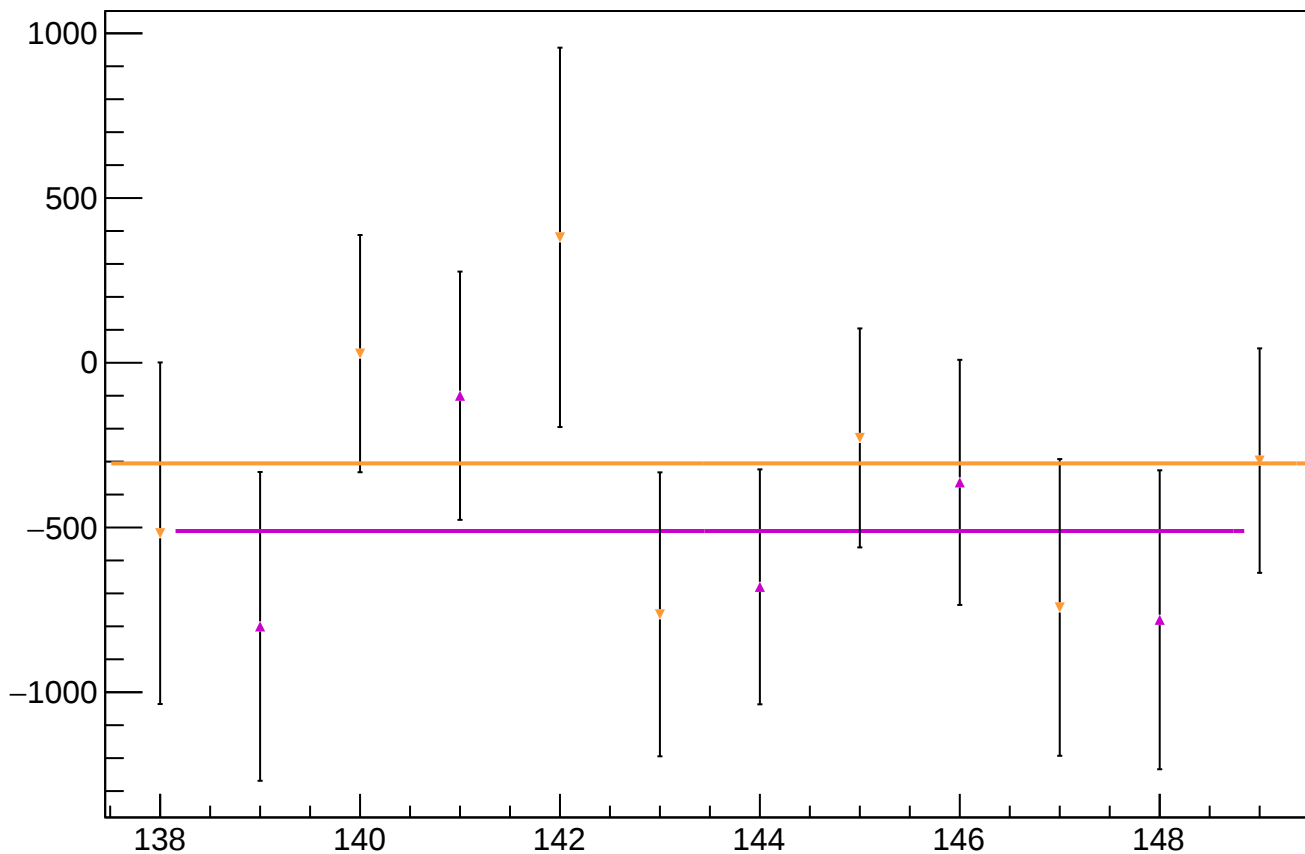
332.614+/-0.107 χ^2/NDF : 195808.6/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

349.003+/-0.124 χ^2/NDF : 60389.5/4

Left In: 349.003+/-0.124 χ^2/NDF :60389.5/4

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -305.356 $\pm$ 153.508 χ^2 /NDF: 4.6/6

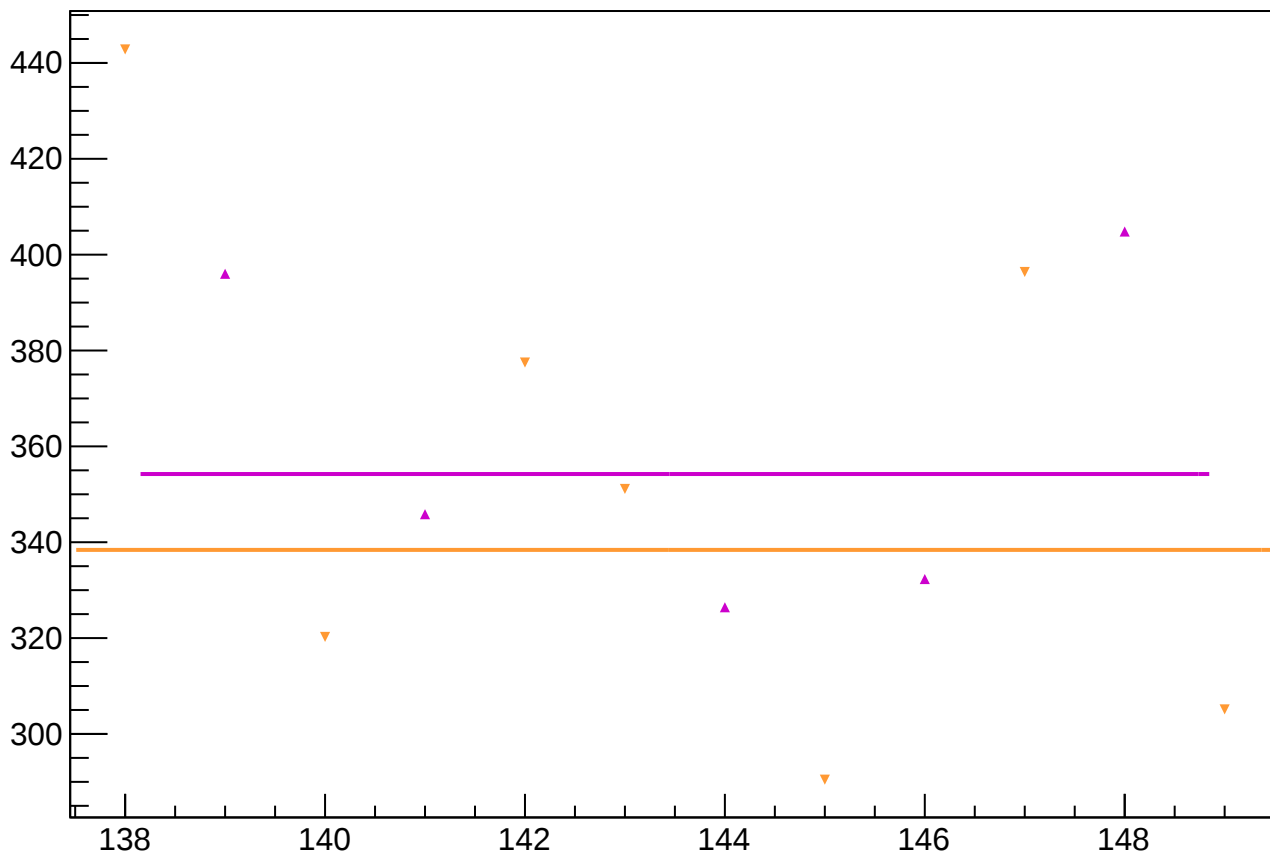
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -510.644 $\pm$ 178.039 χ^2 /NDF: 2.3/4

-305.356 $\pm$ 153.508 χ^2 /NDF: 4.6/6

-510.644 $\pm$ 178.039 χ^2 /NDF: 2.3/4

asym_sam_37_48_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 338.400+/-0.109 χ^2/NDF : 191057.0/6

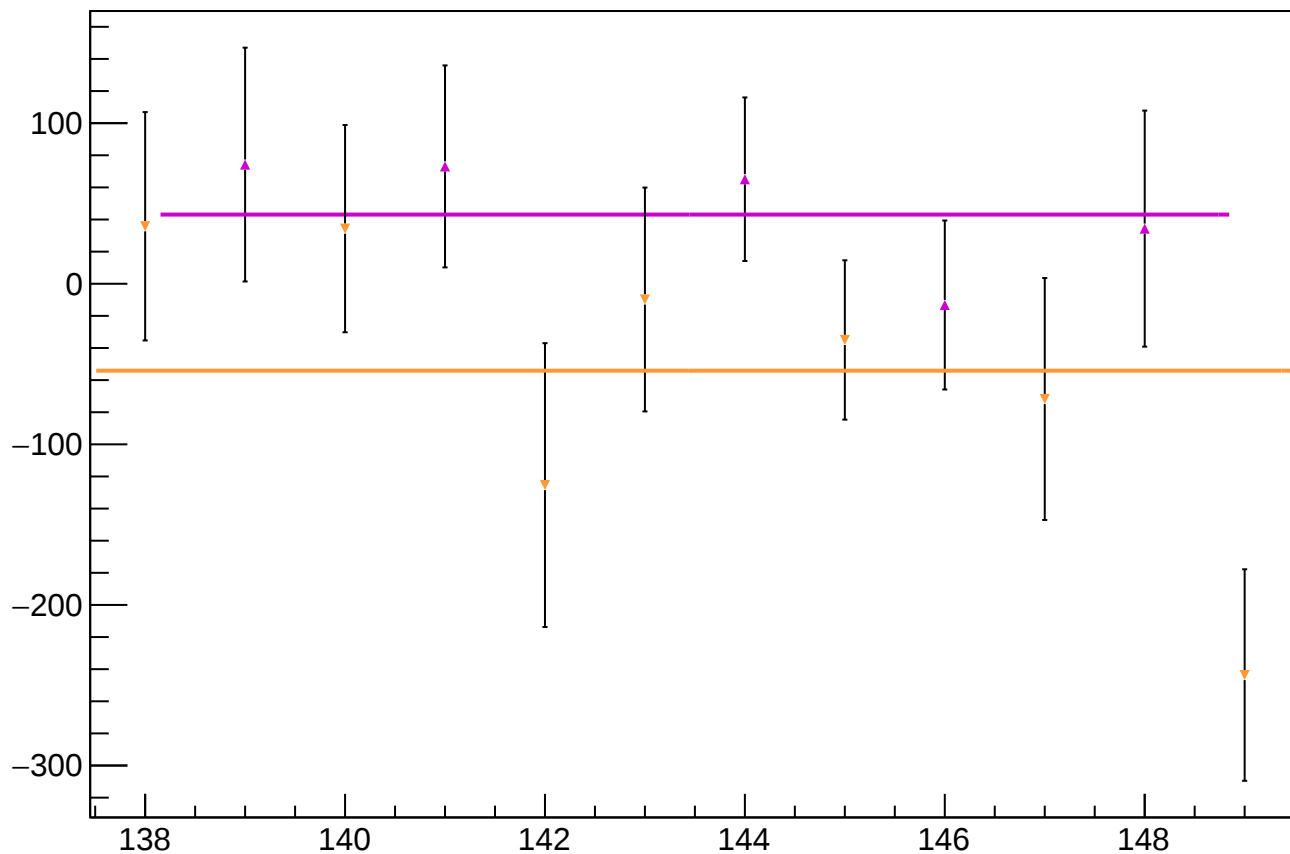
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 354.231+/-0.126 χ^2/NDF : 60854.6/4

338.400+/-0.109 χ^2/NDF : 191057.0/6

354.231+/-0.126 χ^2/NDF : 60854.6/4

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -54.129+/-25.119 χ^2/NDF :13.0/6

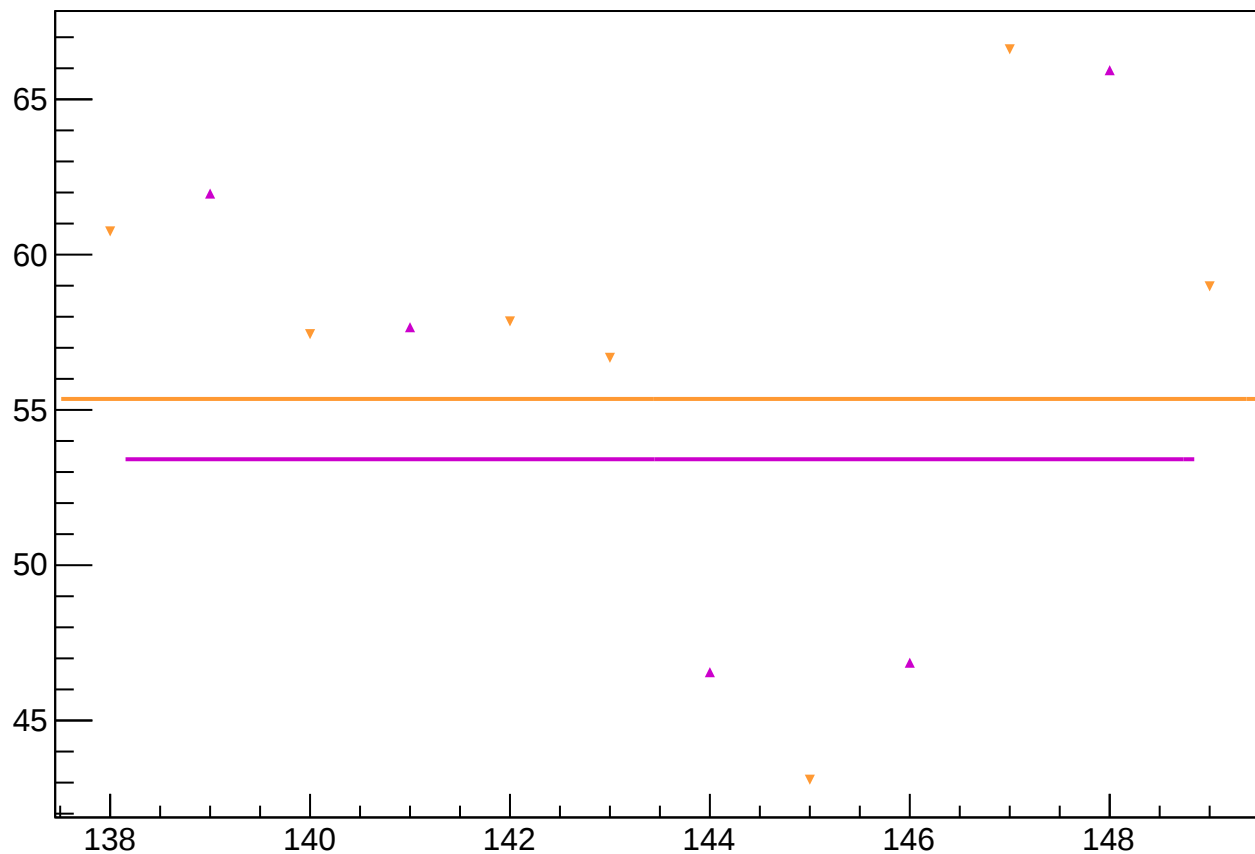
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 43.077+/-26.984 χ^2/NDF :1.8/4

-54.129+/-25.119 χ^2/NDF : 13.0/6

43.077+/-26.984 χ^2/NDF : 1.8/4

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 55.354+/-0.018 χ^2/NDF : 188750.4/6

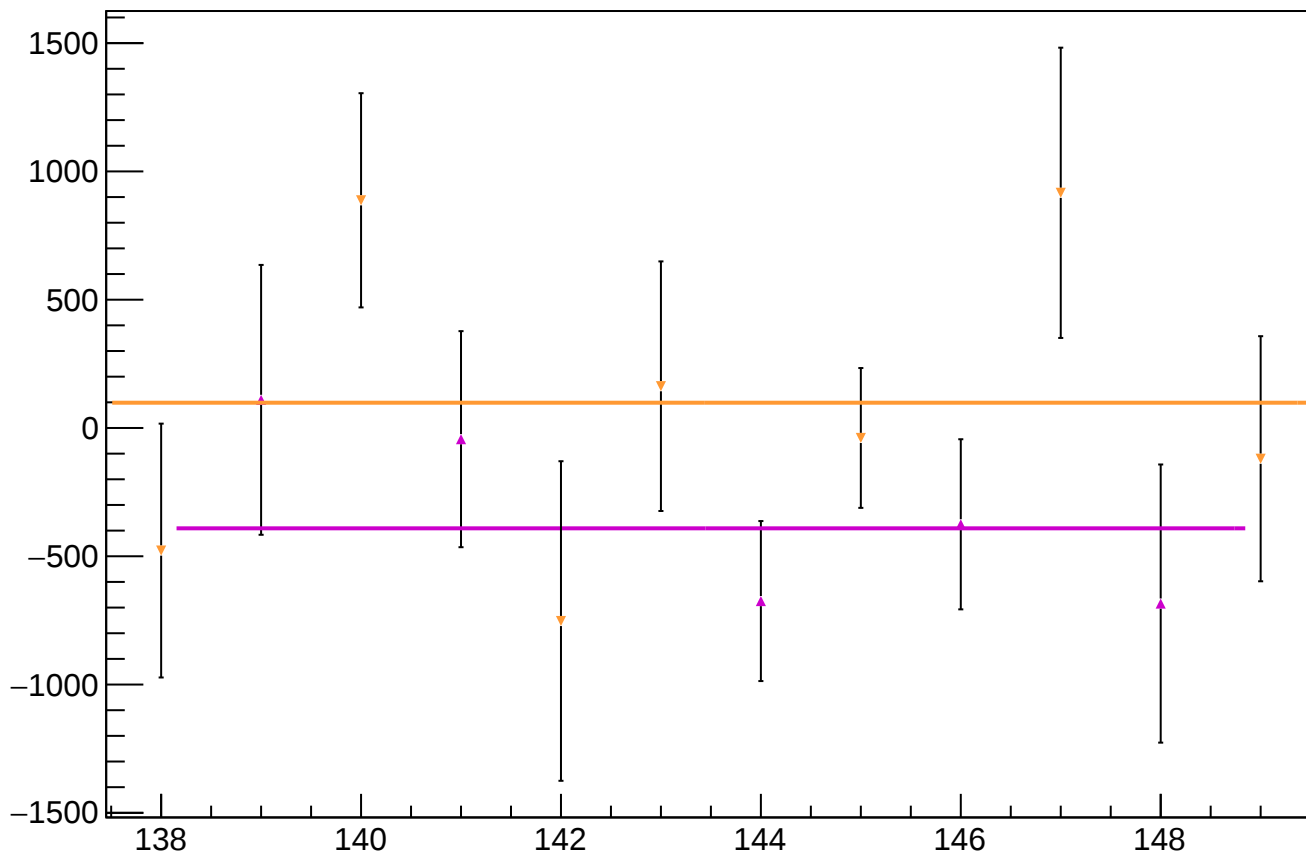
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 53.411+/-0.019 χ^2/NDF : 162107.1/4

55.354+/-0.018 χ^2/NDF : 188750.4/6

53.411+/-0.019 χ^2/NDF : 162107.1/4

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 98.513+/-163.077 χ^2/NDF : 9.4/6

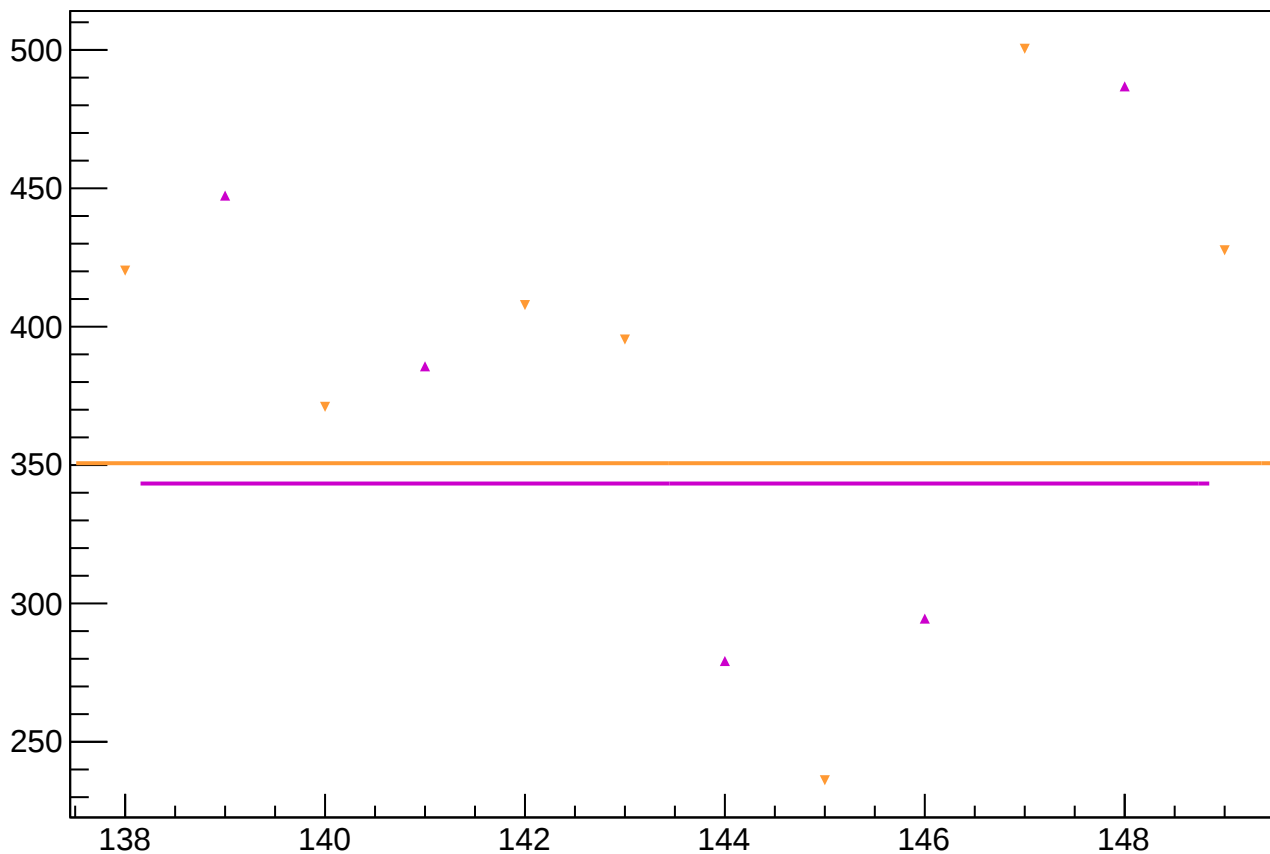
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -391.111+/-176.660 χ^2/NDF : 2.7/4

98.513+/-163.077 χ^2/NDF : 9.4/6

-391.111+/-176.660 χ^2/NDF : 2.7/4

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 350.671+/-0.115 χ^2/NDF : 623548.5/6

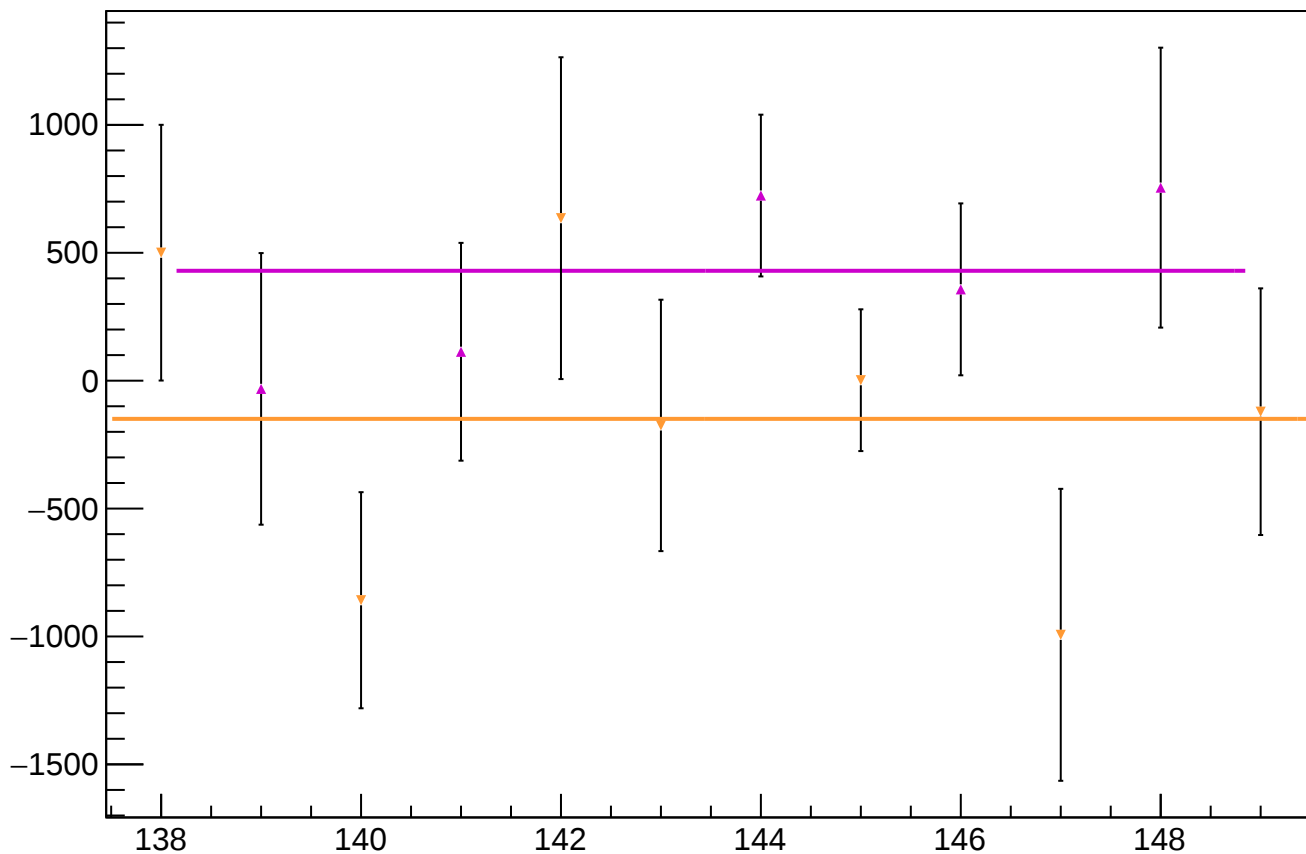
350.671+/-0.115 χ^2/NDF : 623548.5/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

343.328+/-0.125 χ^2/NDF : 366619.4/4

Left In: 343.328+/-0.125 χ^2/NDF : 366619.4/4

asym_sam_15_26_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -149.249+/-165.146 χ^2/NDF : 8.6/6

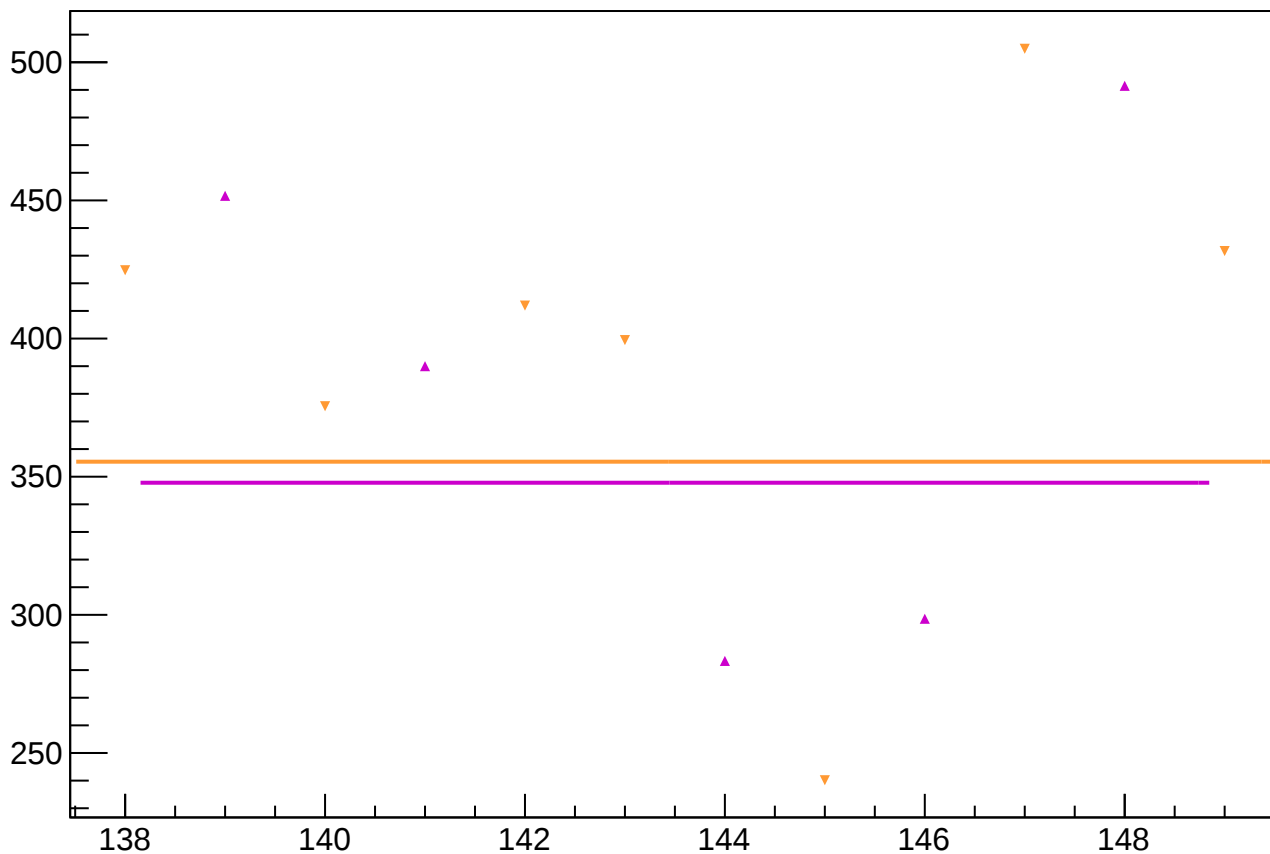
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 429.649+/-178.857 χ^2/NDF : 2.6/4

-149.249+/-165.146 χ^2/NDF : 8.6/6

429.649+/-178.857 χ^2/NDF : 2.6/4

asym_sam_15_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 355.434+/-0.117 χ^2/NDF : 608482.9/6

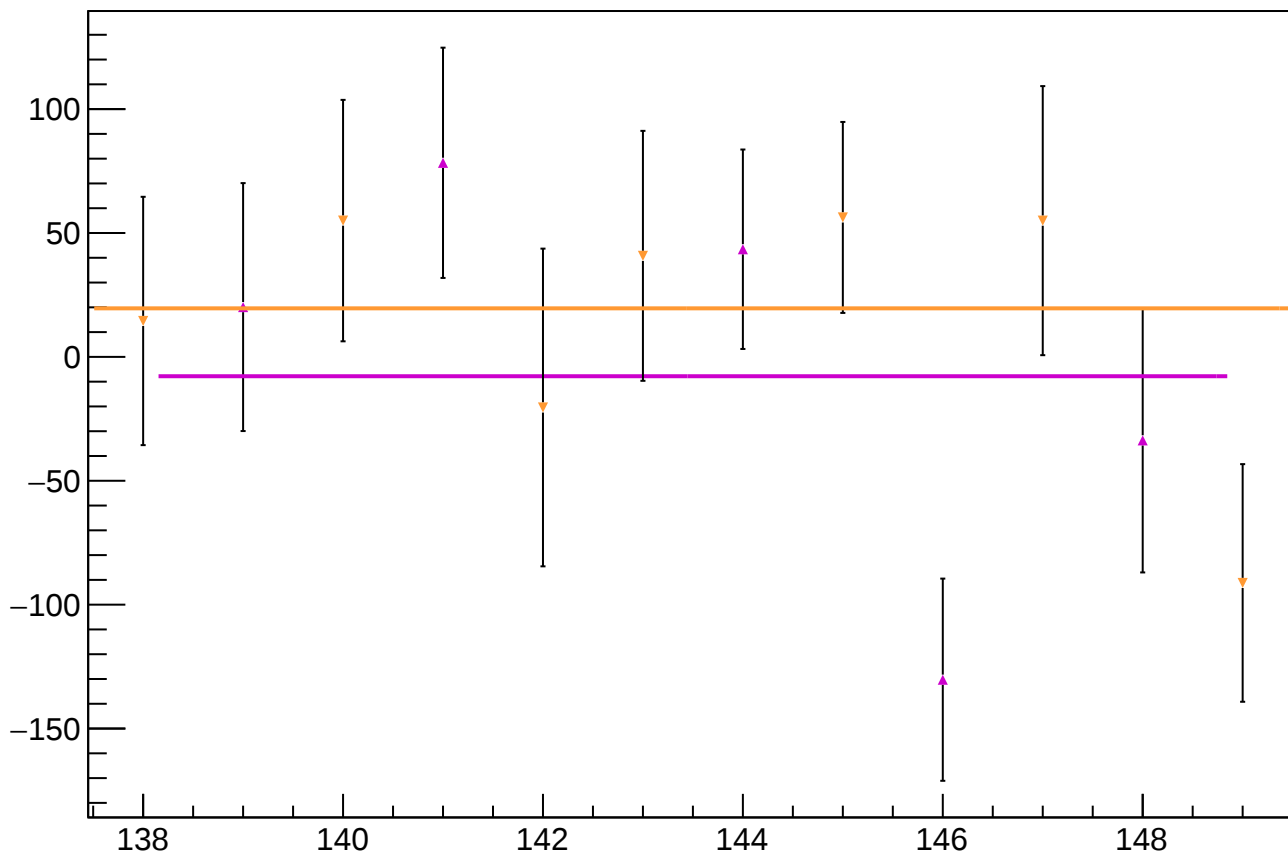
355.434+/-0.117 χ^2/NDF : 608482.9/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

347.817+/-0.126 χ^2/NDF : 360099.1/4

Left In: 347.817+/-0.126 χ^2/NDF : 360099.1/4

reg_asym_sam_37_26_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 19.591+/-18.559 χ^2/NDF : 7.8/6

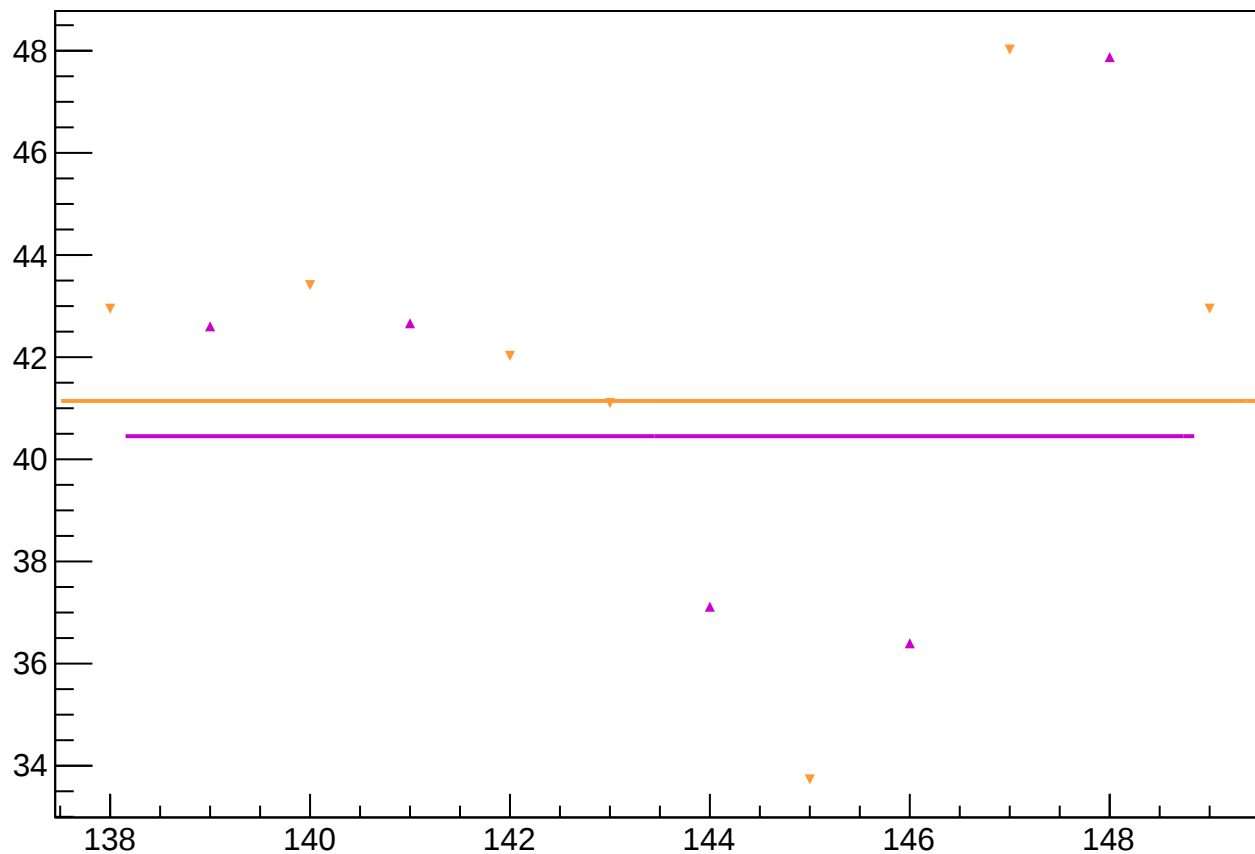
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -7.808+/-20.276 χ^2/NDF : 14.6/4

19.591+/-18.559 χ^2/NDF : 7.8/6

-7.808+/-20.276 χ^2/NDF : 14.6/4

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 41.144+/-0.013 χ^2/NDF : 116195.3/6

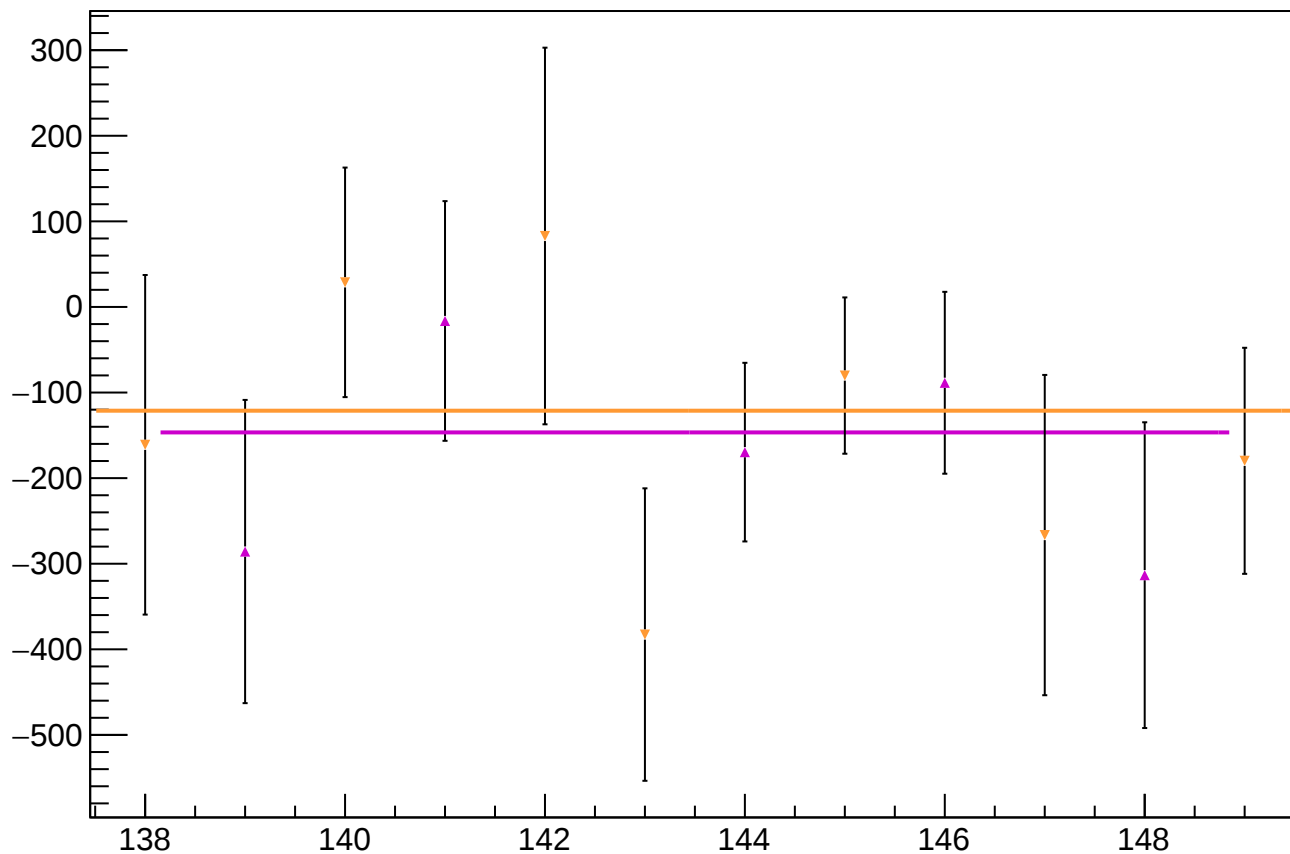
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 40.453+/-0.014 χ^2/NDF : 80526.5/4

41.144+/-0.013 χ^2/NDF : 116195.3/6

40.453+/-0.014 χ^2/NDF : 80526.5/4

asym_sam_37_26_dd_correction_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -121.219+/-54.087 χ^2/NDF : 5.5/6

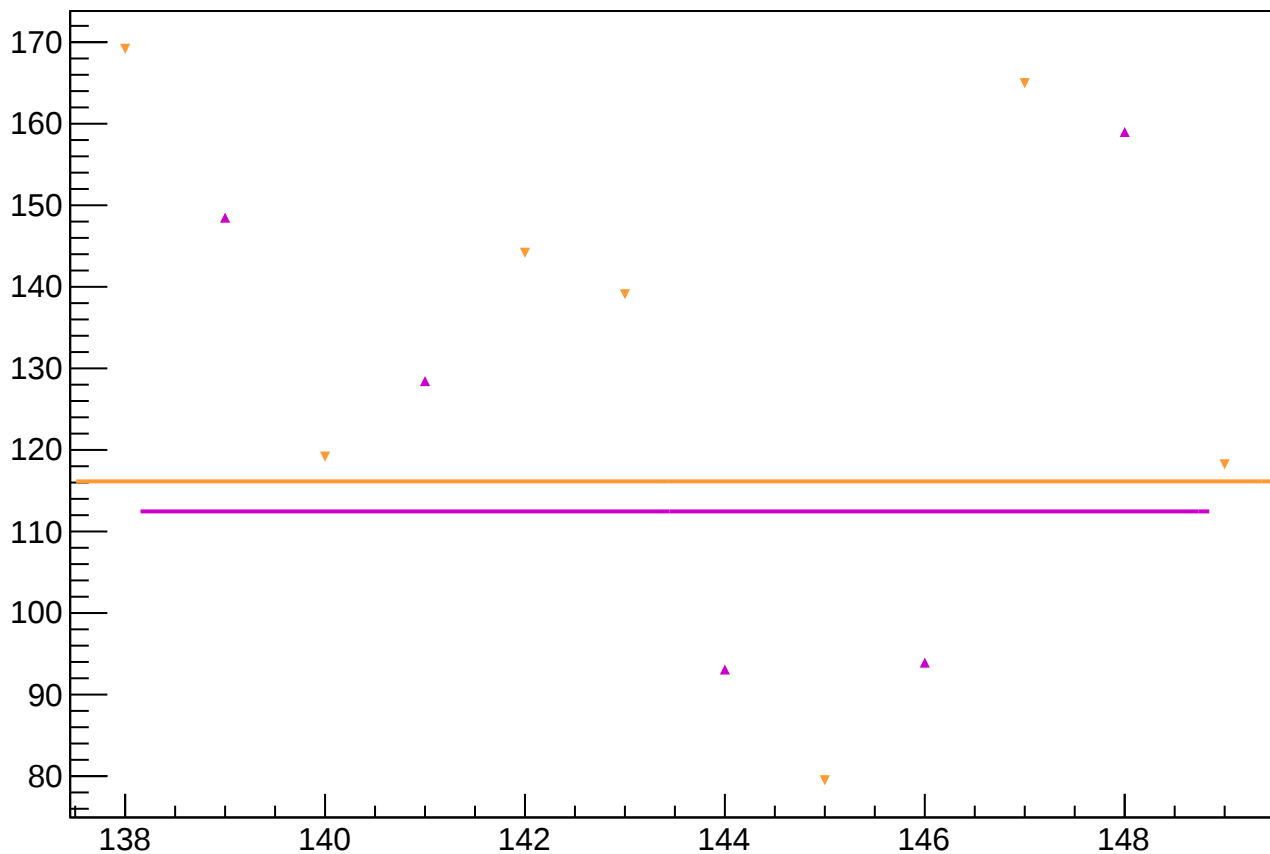
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -146.584+/-58.255 χ^2/NDF : 2.7/4

-121.219+/-54.087 χ^2/NDF : 5.5/6

-146.584+/-58.255 χ^2/NDF : 2.7/4

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 116.141+/-0.038 χ^2/NDF : 671533.7/6

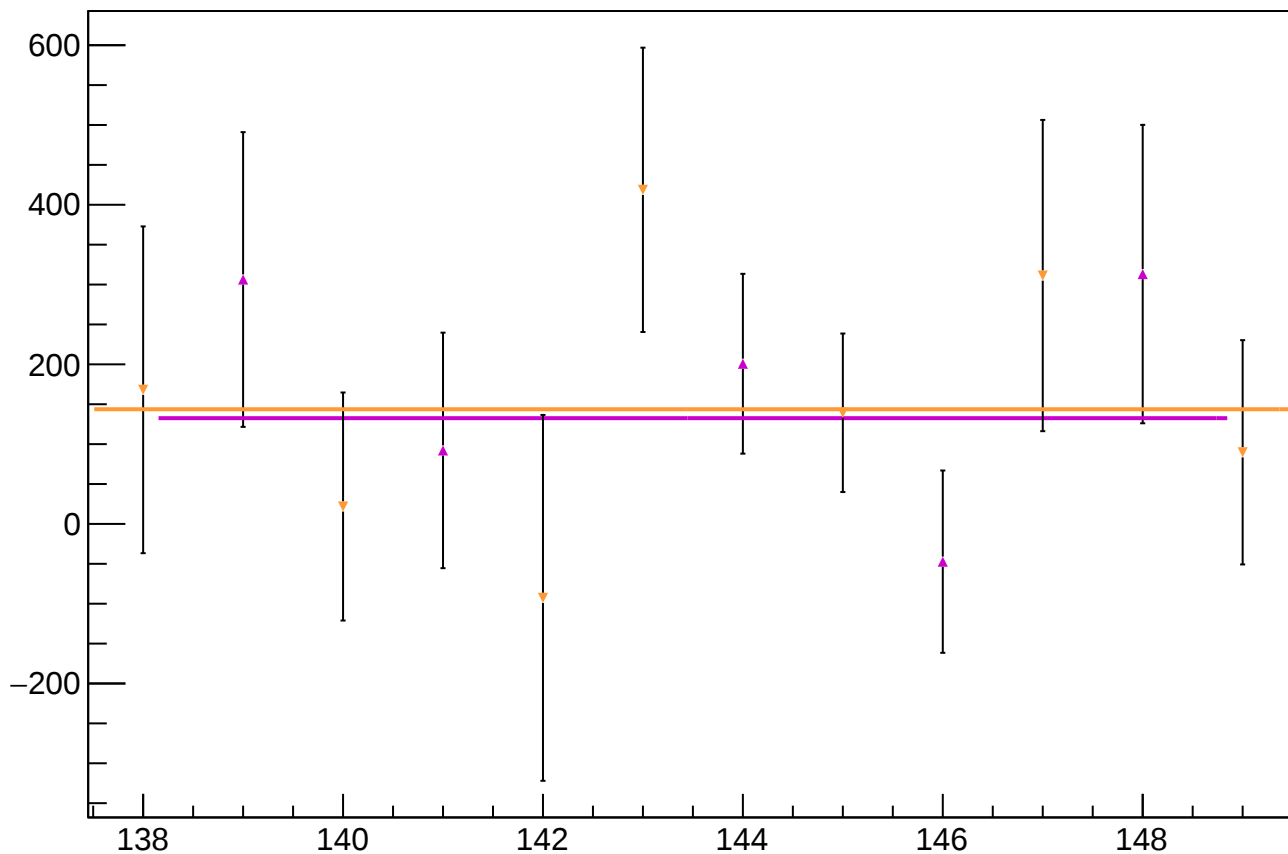
116.141+/-0.038 χ^2/NDF : 671533.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

112.460+/-0.041 χ^2/NDF : 374397.1/4

Left In: 112.460+/-0.041 χ^2/NDF : 374397.1/4

asym_sam_37_26_dd_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 143.716+/-57.581 χ^2/NDF :5.1/6

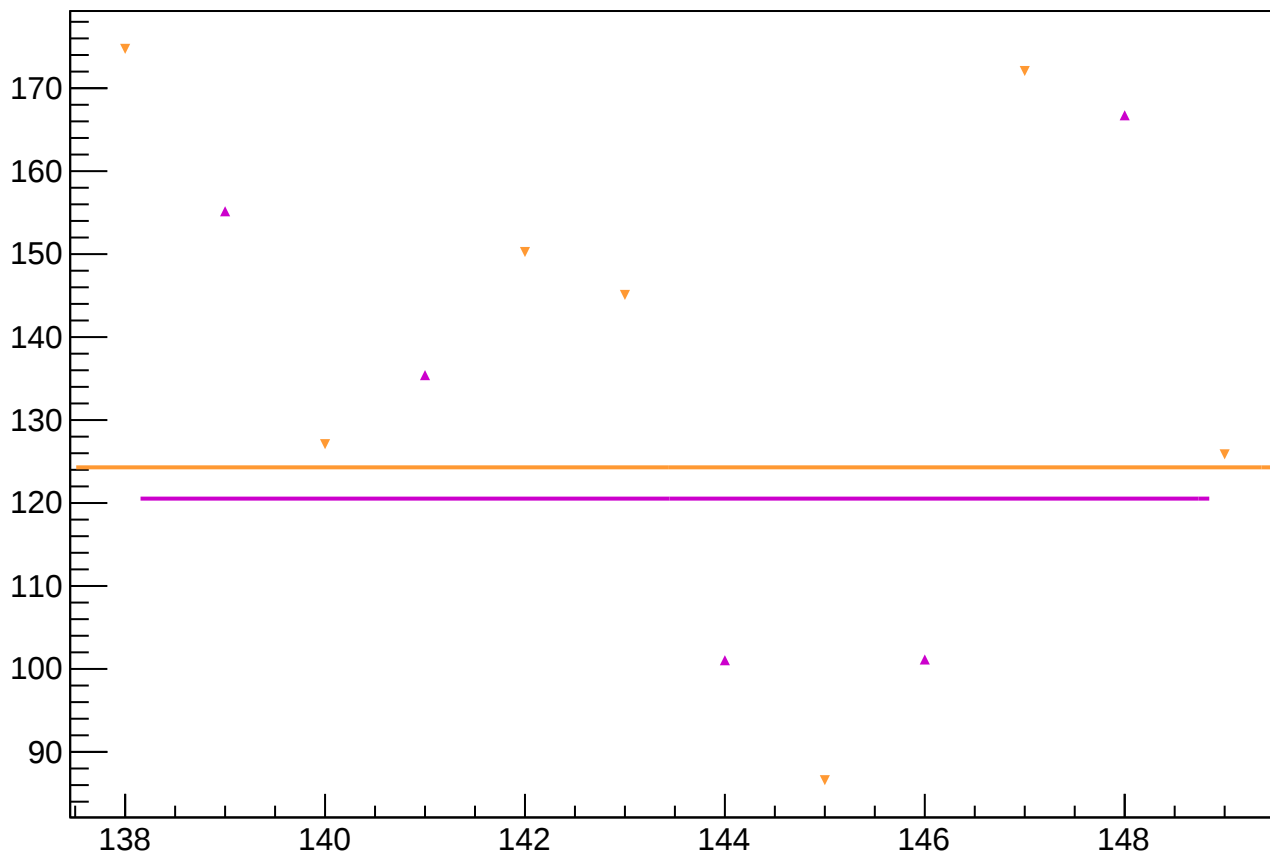
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 132.527+/-62.113 χ^2/NDF :4.7/4

143.716+/-57.581 χ^2/NDF : 5.1/6

132.527+/-62.113 χ^2/NDF : 4.7/4

asym_sam_37_26_dd_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 124.300+/-0.041 χ^2/NDF : 583441.8/6

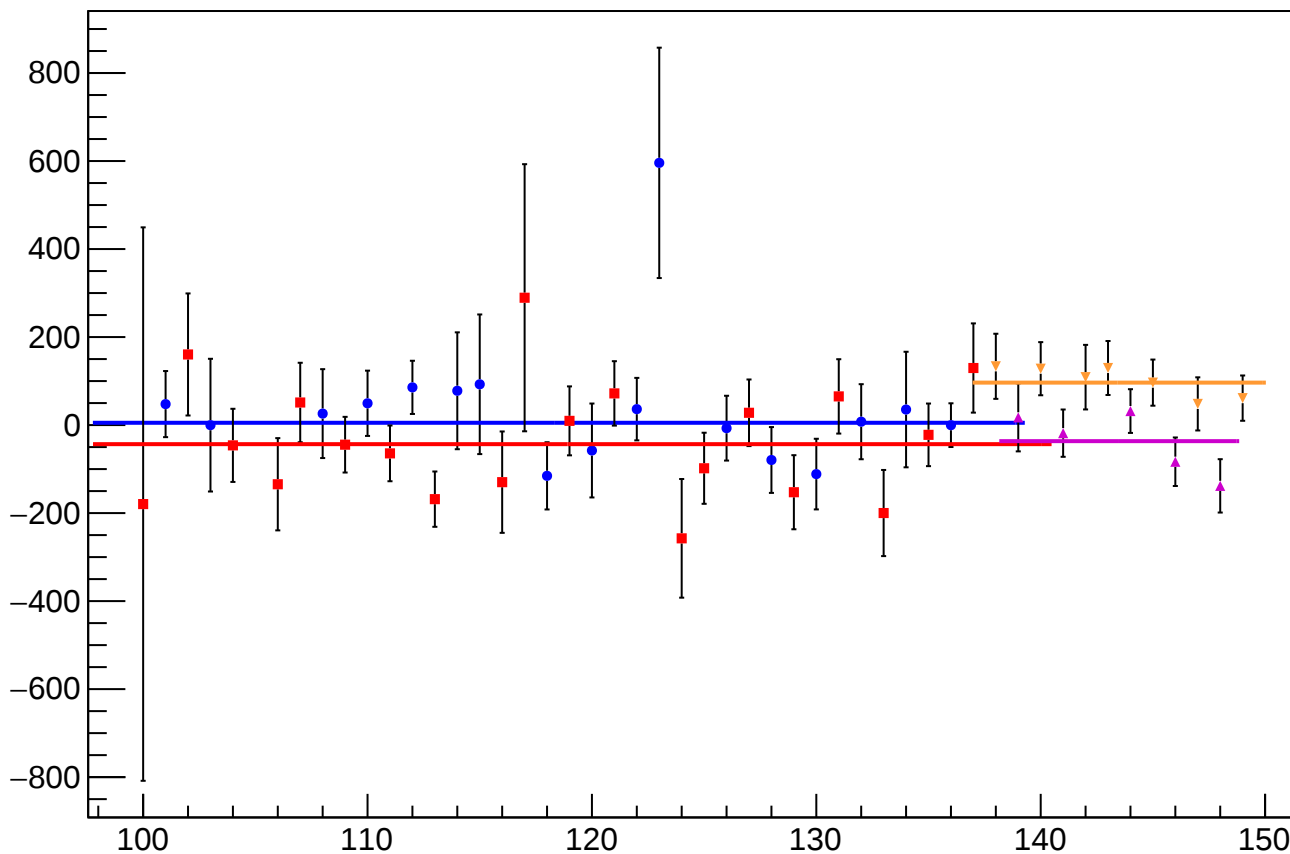
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 120.530+/-0.044 χ^2/NDF : 330143.0/4

124.300+/-0.041 χ^2/NDF : 583441.8/6

120.530+/-0.044 χ^2/NDF : 330143.0/4

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 96.487 $\pm$ 22.792 χ^2 /NDF: 2.0/6

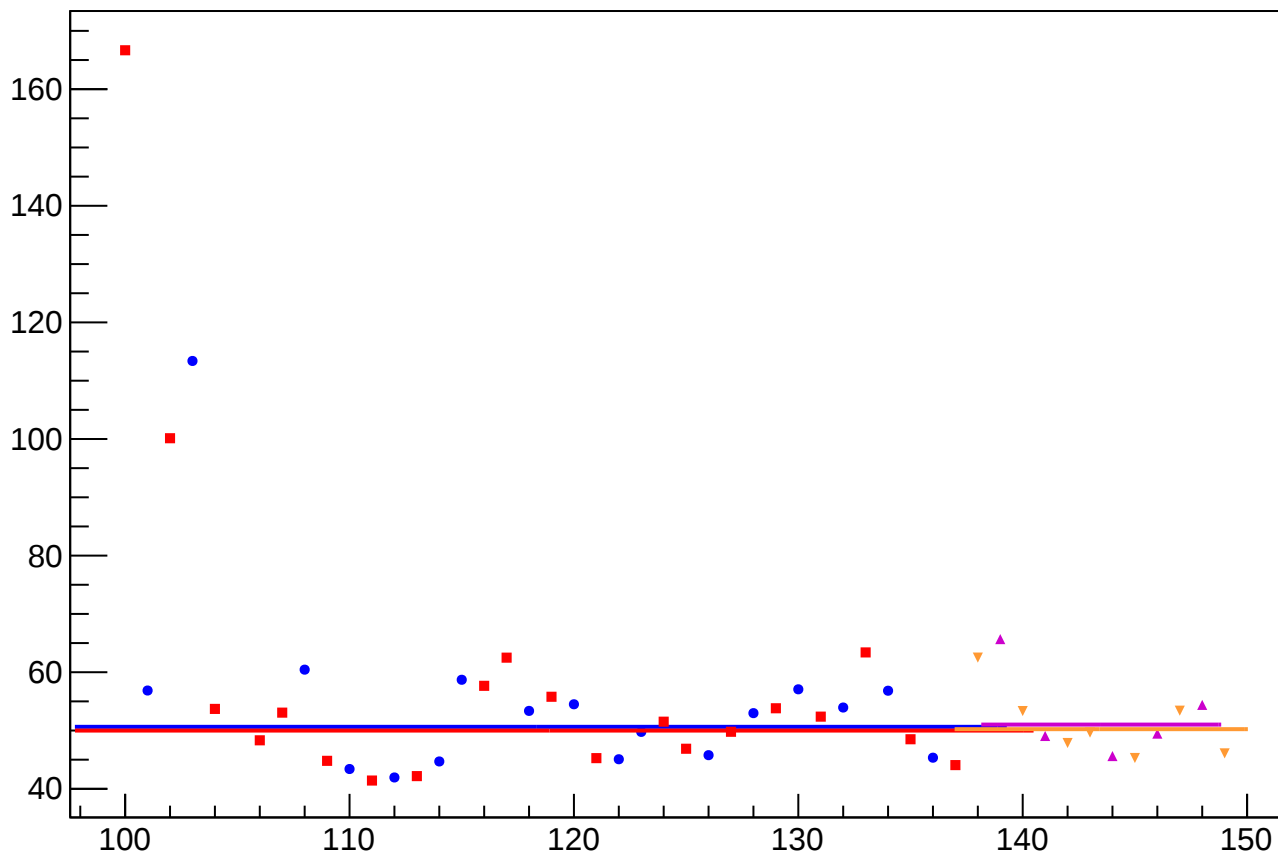
Right Out: -43.354 $\pm$ 19.371 χ^2 /NDF: 25.6/19

Left In: -36.520 $\pm$ 25.650 χ^2 /NDF: 6.0/4

45.260 $\pm$ 15.096 χ^2 /NDF: 25.7/23

-40.872 $\pm$ 15.458 χ^2 /NDF: 31.7/24

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 50.234 $\pm$ 0.016 χ^2 /NDF: 98983.3/6

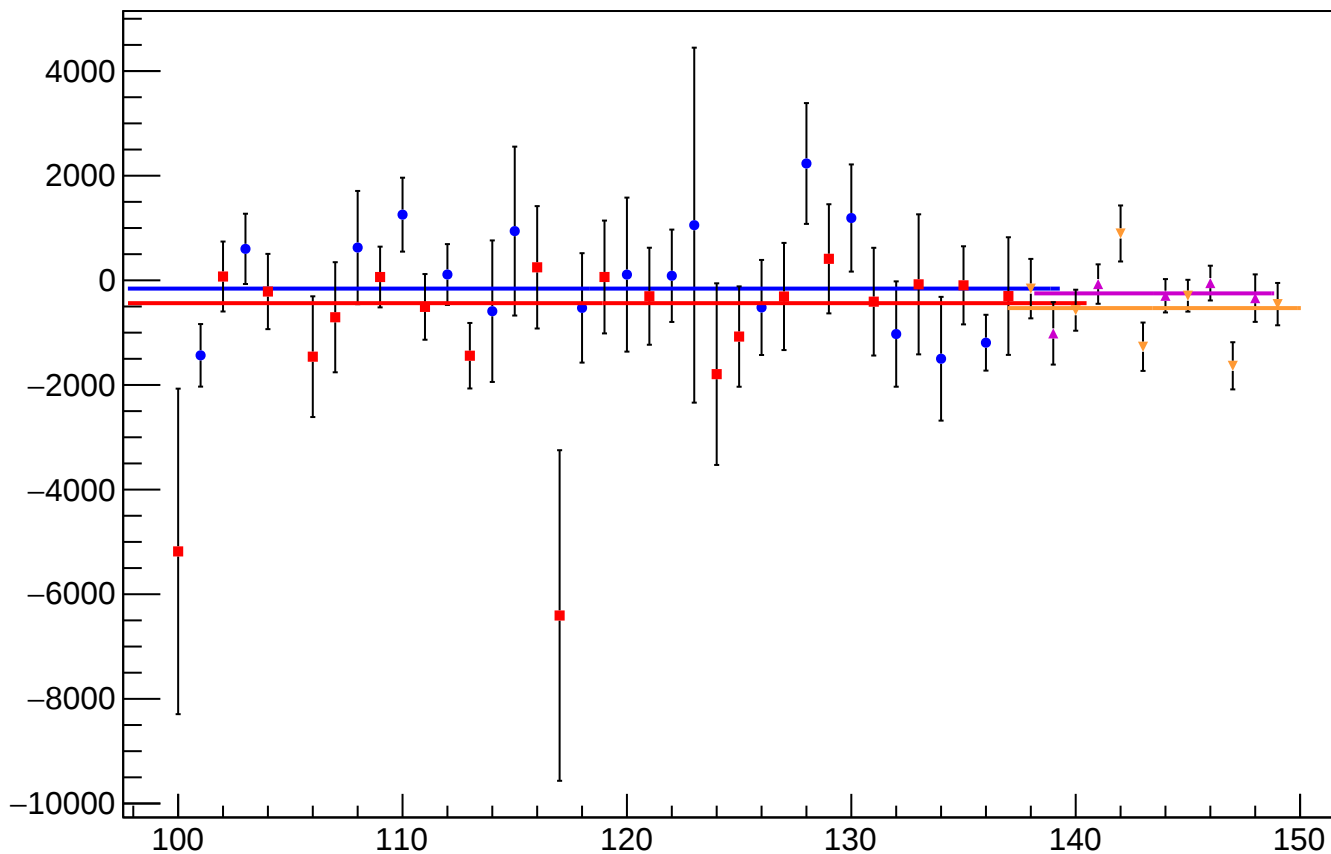
Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

Left In: 51.018 $\pm$ 0.018 χ^2 /NDF: 105961.2/4

50.459 $\pm$ 0.011 χ^2 /NDF: 619017.9/23

50.366 $\pm$ 0.011 χ^2 /NDF: 611887.8/24

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -530.607+/-158.827 χ^2/NDF : 16.7/6

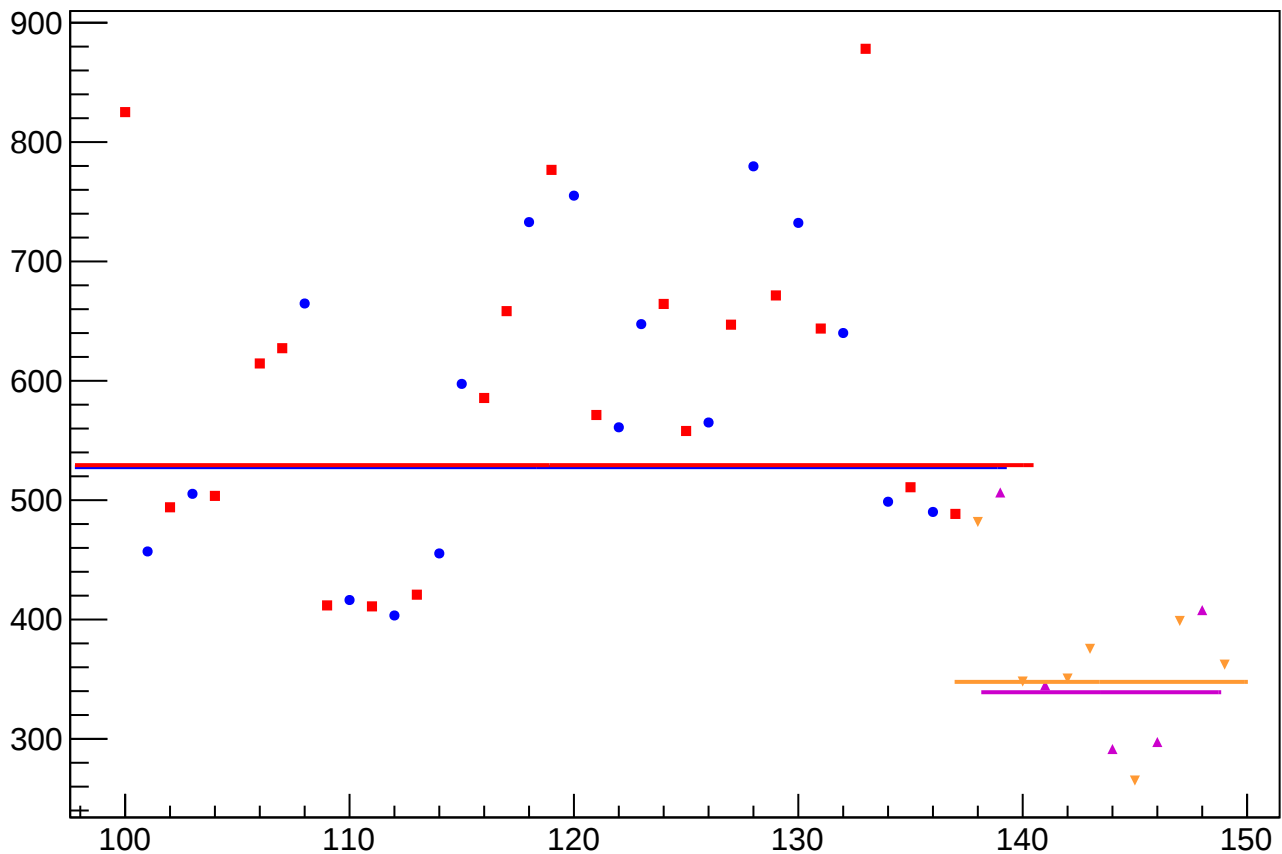
Right Out: -436.410+/-203.212 χ^2/NDF : 13.4/19

Left In: -249.437+/-172.526 χ^2/NDF : 2.3/4

-395.174+/-126.716 χ^2/NDF : 42.2/23

-327.755+/-131.520 χ^2/NDF : 16.1/24

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 347.777+/-0.112 χ^2/NDF : 294523.0/6

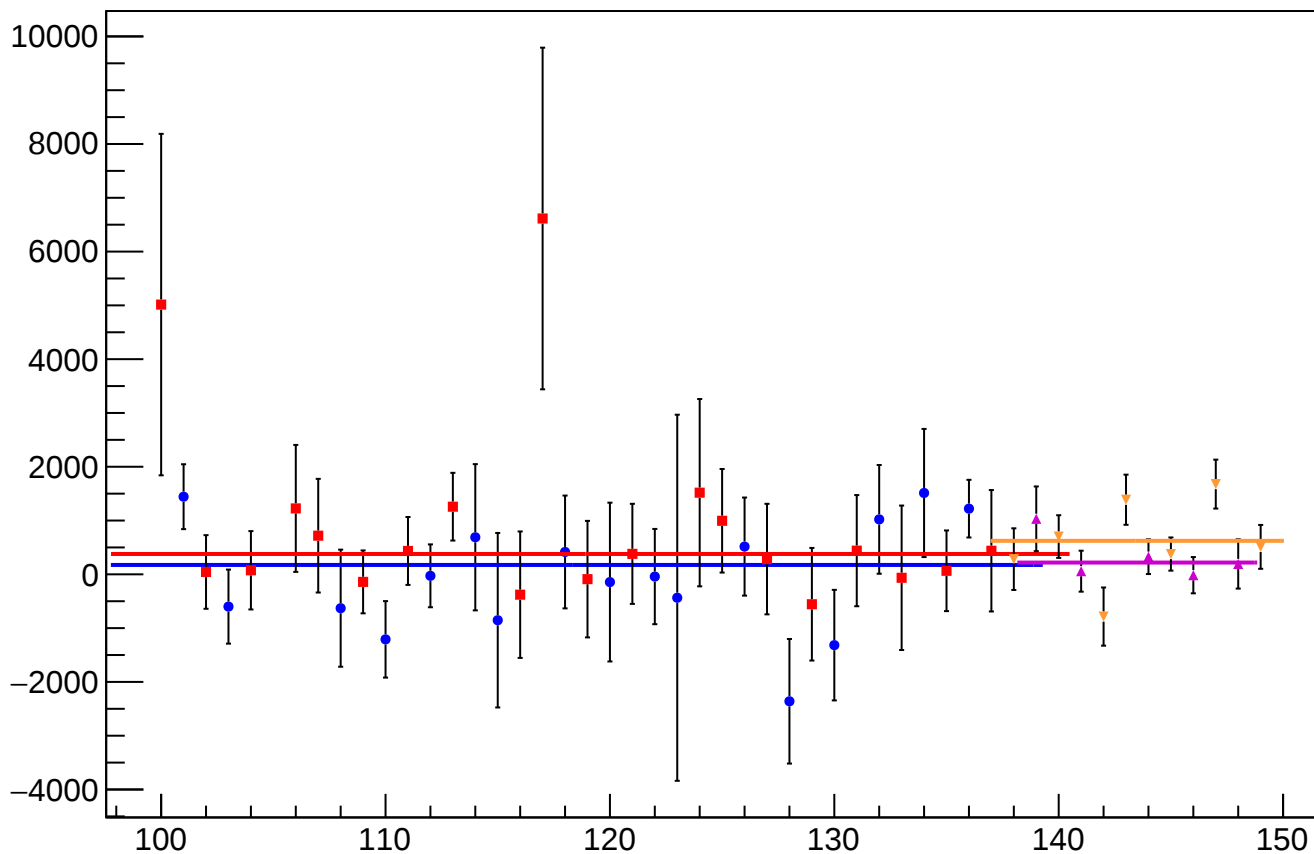
Right Out: 529.342+/-0.144 χ^2/NDF : 626714.3/19

Left In: 339.090+/-0.122 χ^2/NDF : 279918.5/4

413.161+/-0.090 χ^2/NDF : 1784459.5/23

418.781+/-0.093 χ^2/NDF : 1925377.1/24

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 622.942 $\pm$ 160.589 χ^2 /NDF:16.0/6

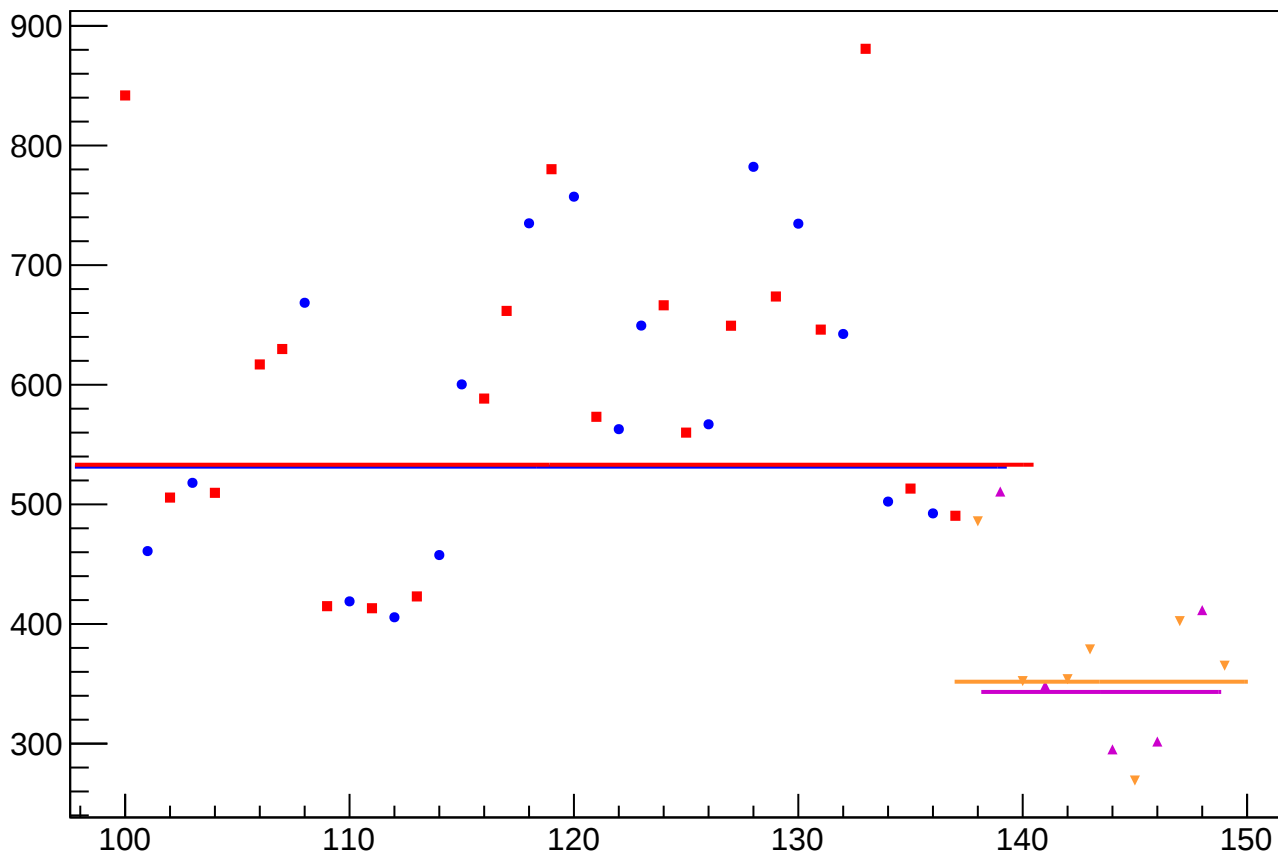
Right Out: 378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

Left In: 218.913 $\pm$ 174.547 χ^2 /NDF:2.6/4

459.150 $\pm$ 127.935 χ^2 /NDF: 42.5/23

286.114 $\pm$ 132.838 χ^2 /NDF: 15.3/24

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 351.767+/-0.114 χ^2/NDF : 286472.4/6

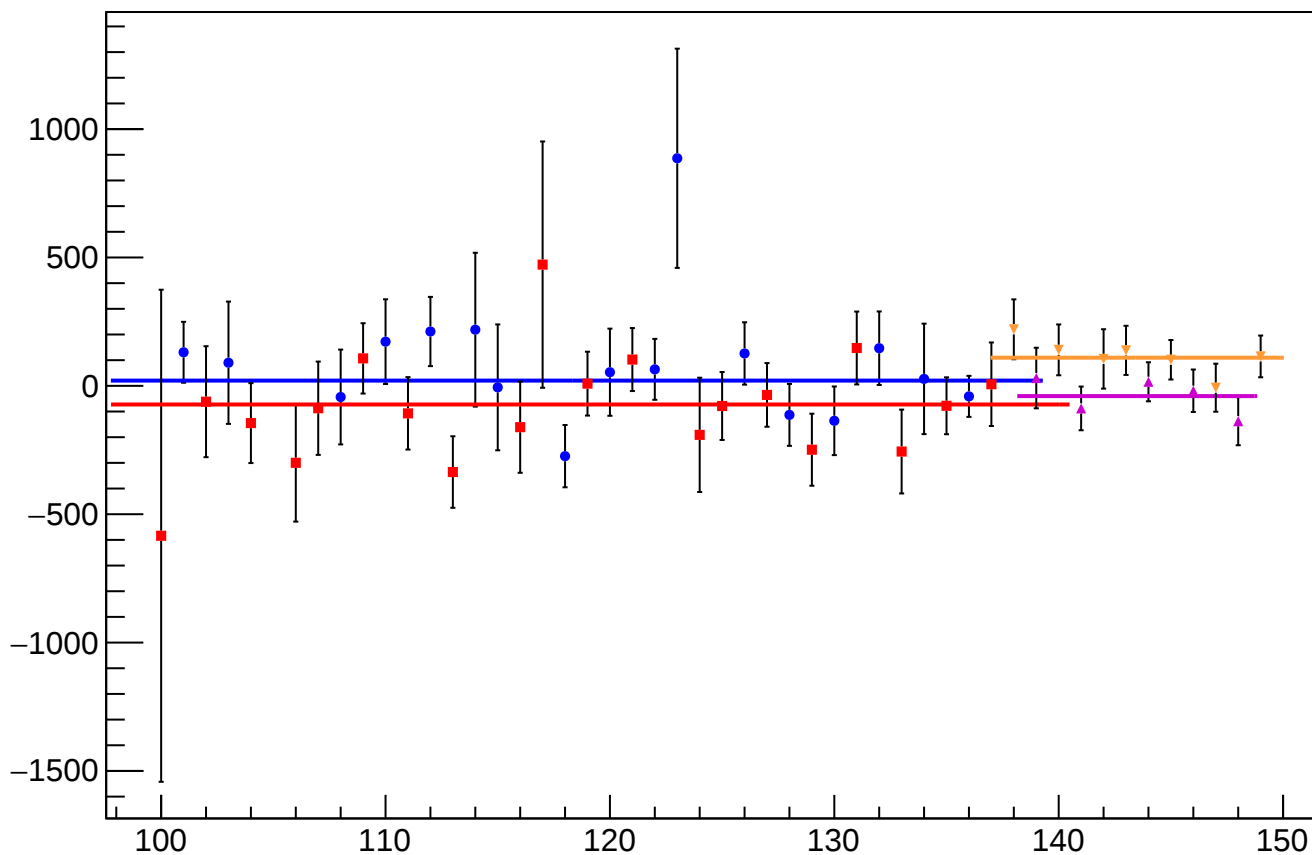
Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

Left In: 343.210+/-0.123 χ^2/NDF : 274572.4/4

417.449+/-0.090 χ^2/NDF : 1752371.1/23

423.141+/-0.094 χ^2/NDF : 1890297.7/24

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 109.684+/-35.484 χ^2/NDF : 2.7/6

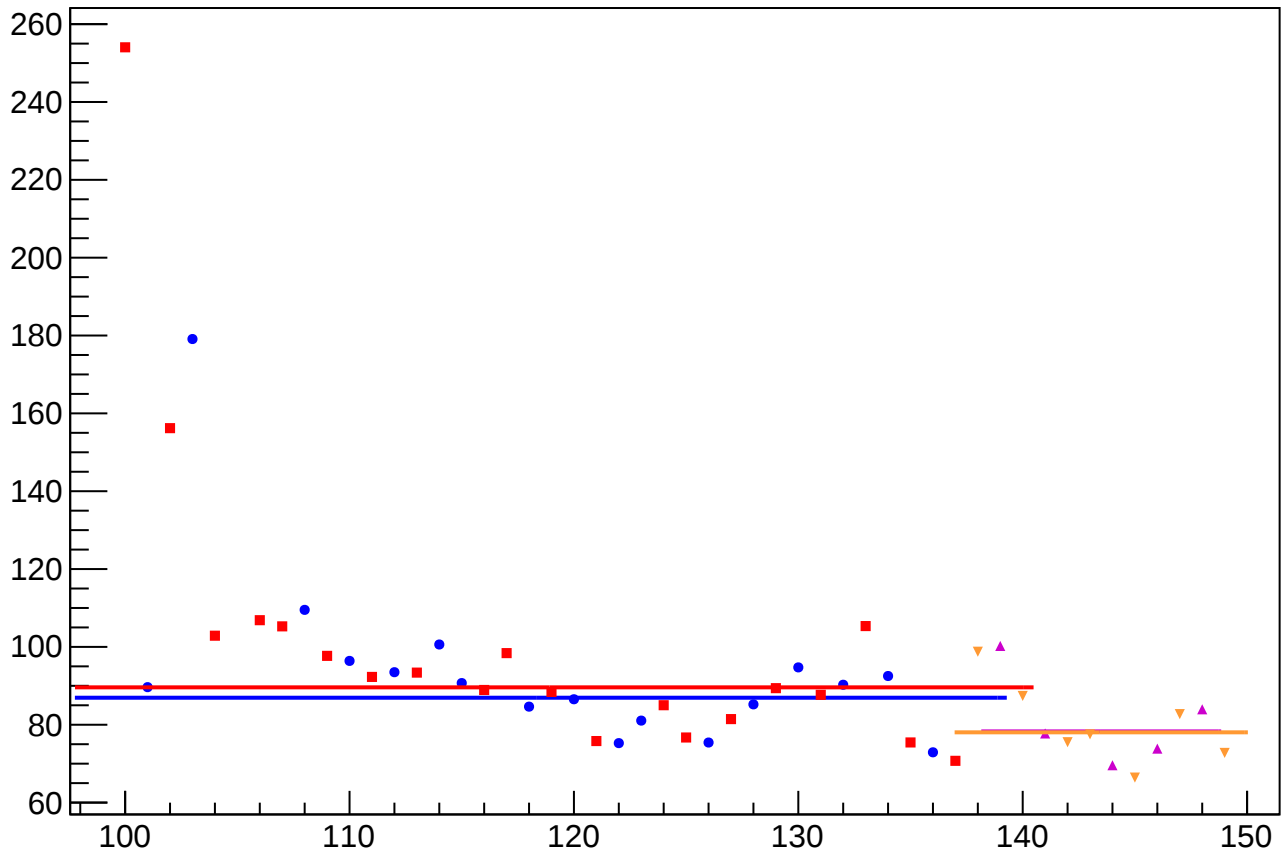
Right Out: -72.603+/-34.608 χ^2/NDF : 16.7/19

Left In: -39.919+/-39.426 χ^2/NDF : 2.4/4

63.916+/-24.766 χ^2/NDF : 25.2/23

-58.379+/-26.009 χ^2/NDF : 19.4/24

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 78.050+/-0.025 χ^2/NDF : 141084.6/6

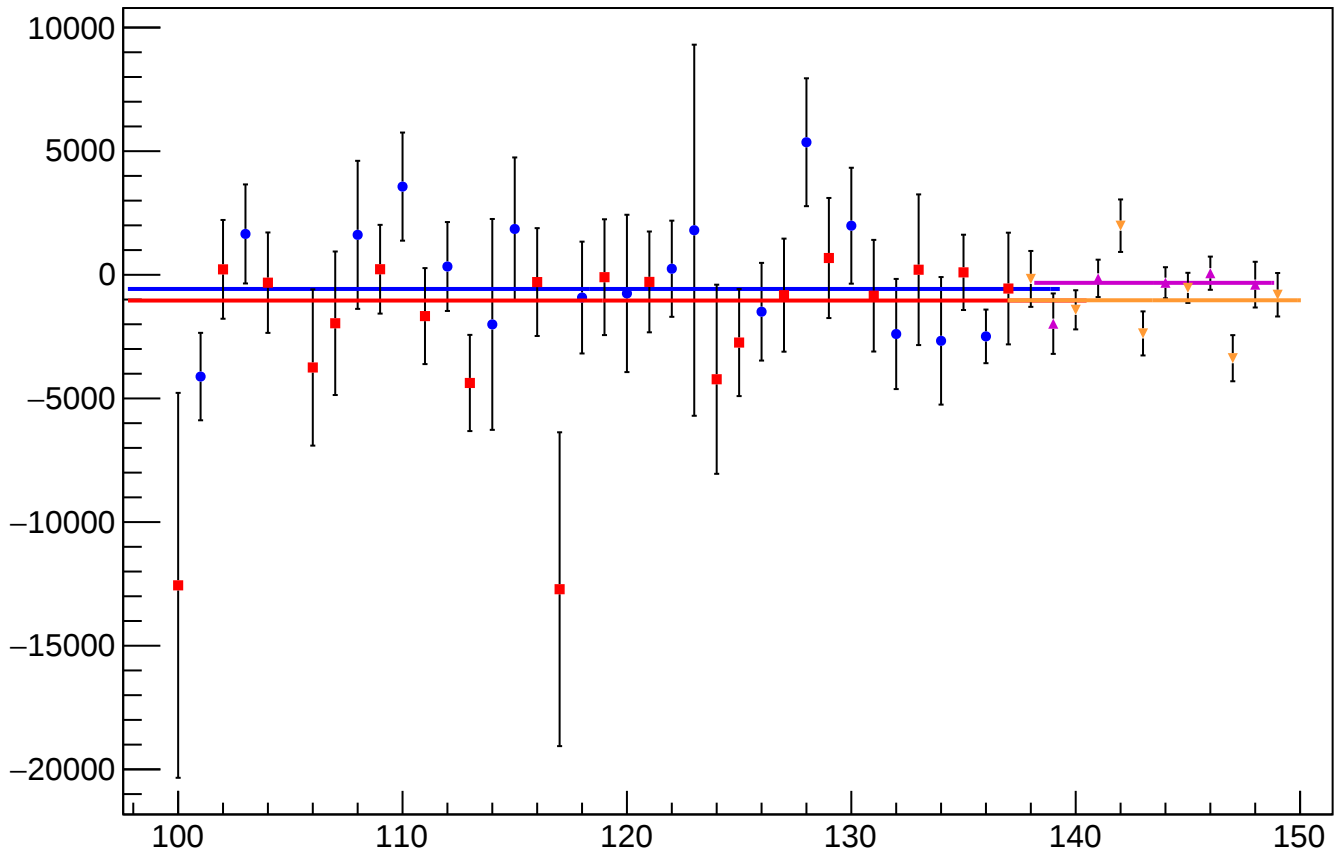
Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

Left In: 78.291+/-0.028 χ^2/NDF : 108595.6/4

82.611+/-0.018 χ^2/NDF : 661312.4/23

84.682+/-0.018 χ^2/NDF : 633557.3/24

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1029.609 ± 321.595 χ^2/NDF : 18.2/6

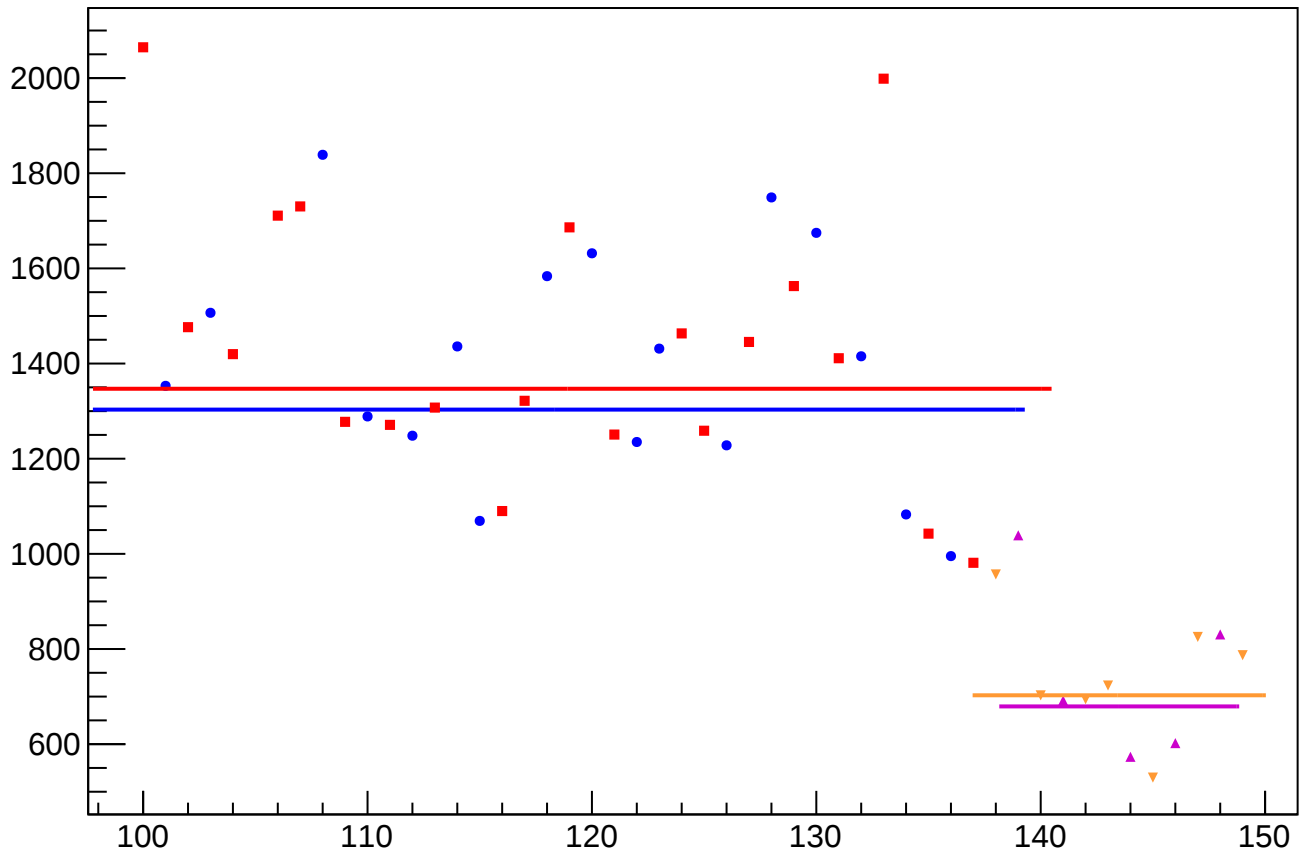
Right Out: -1040.618 ± 512.937 χ^2/NDF : 13.5/19

Left In: -324.741 ± 346.242 χ^2/NDF : 2.2/4

-902.045 ± 273.078 χ^2/NDF : 40.7/23

-548.826 ± 286.980 χ^2/NDF : 17.1/24

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 702.717+/-0.227 χ^2/NDF : 316823.9/6

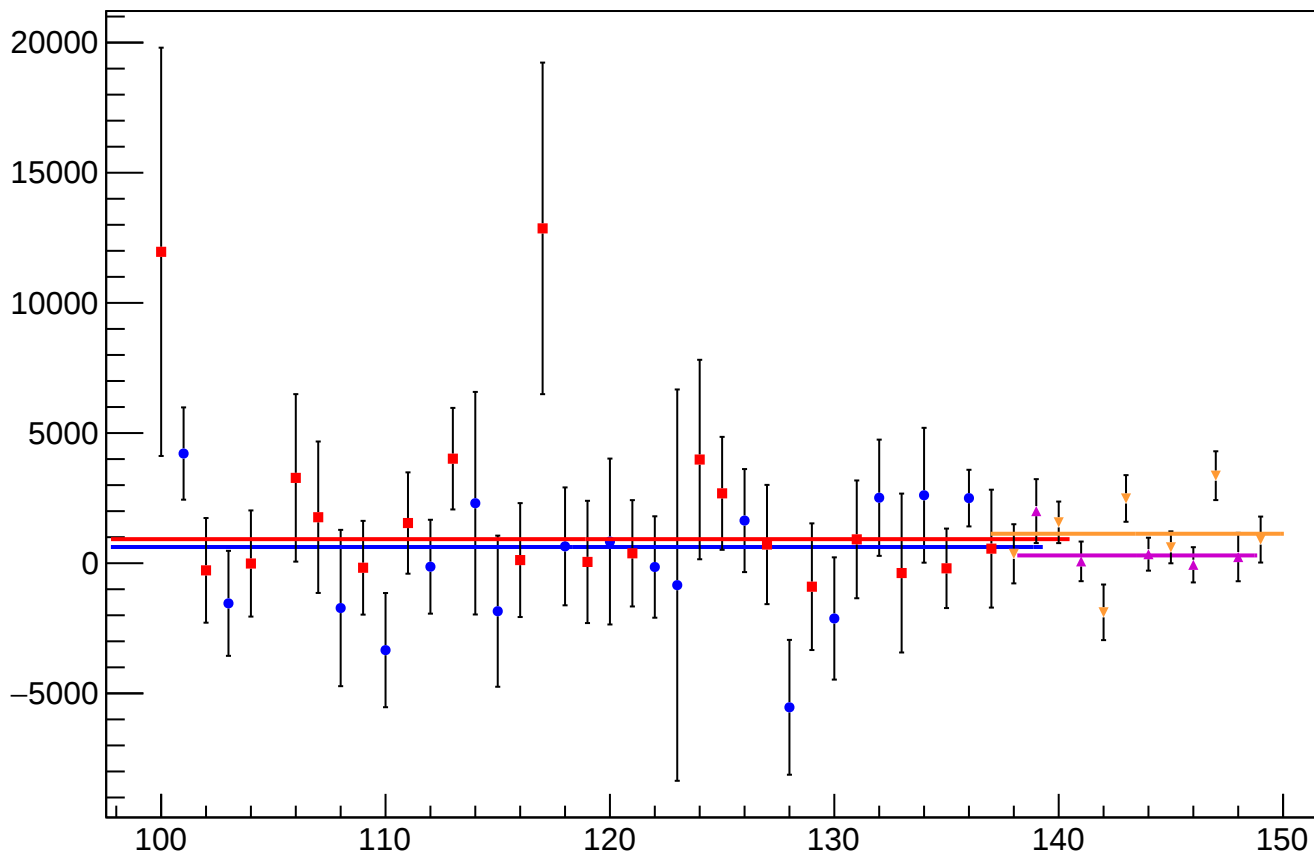
870.234+/-0.193 χ^2/NDF : 2714019.1/23

Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

888.330+/-0.203 χ^2/NDF : 3059410.9/24

Left In: 679.331+/-0.245 χ^2/NDF : 310619.5/4

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 $\chi^2/\text{NDF}: 22.0/16$

Left Out: 1131.773 ± 323.710 $\chi^2/\text{NDF}: 17.5/6$

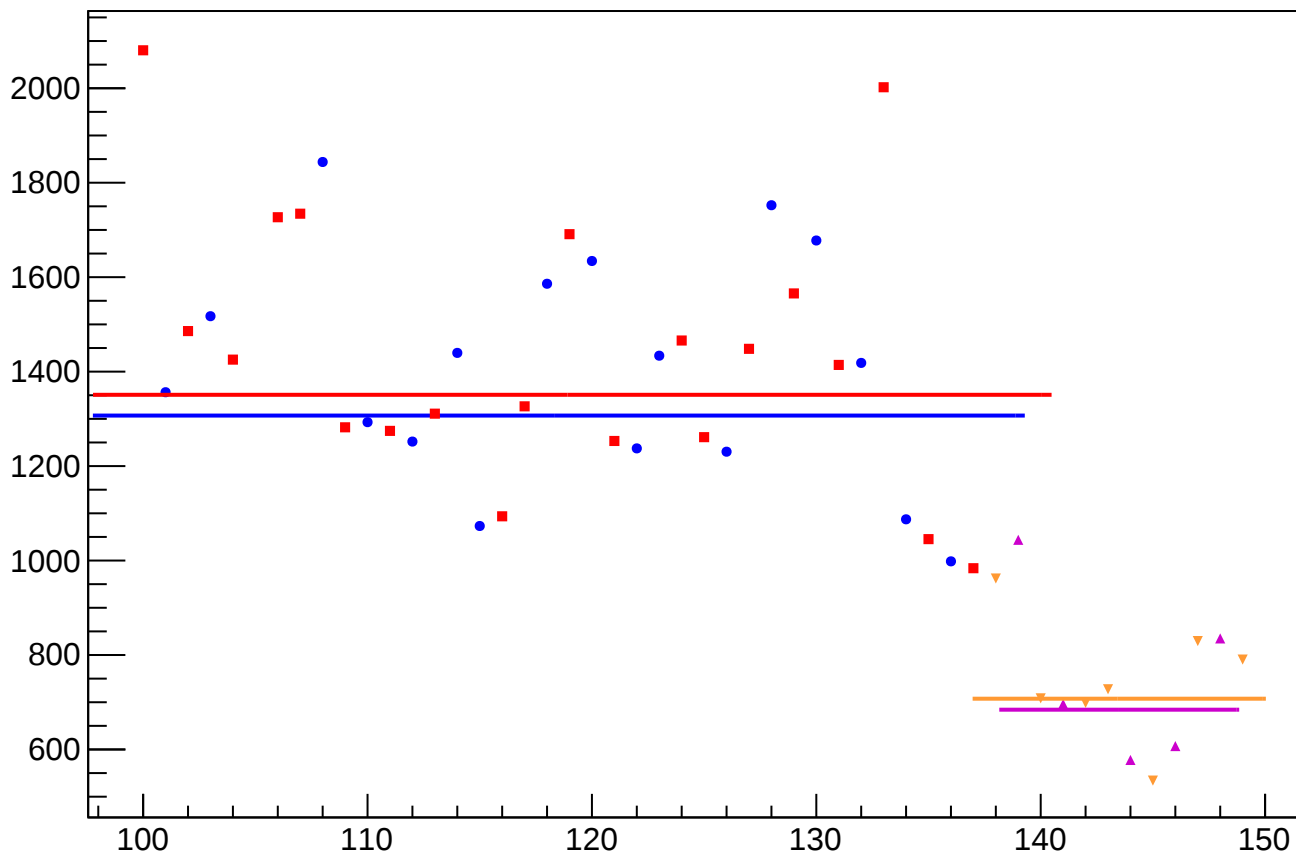
Right Out: 924.488 ± 514.636 $\chi^2/\text{NDF}: 12.6/19$

Left In: 298.703 ± 348.647 $\chi^2/\text{NDF}: 2.3/4$

988.916 ± 274.589 $\chi^2/\text{NDF}: 40.1/23$

495.562 ± 288.646 $\chi^2/\text{NDF}: 15.9/24$

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 707.486 ± 0.229 $\chi^2/\text{NDF}: 312683.7/6$

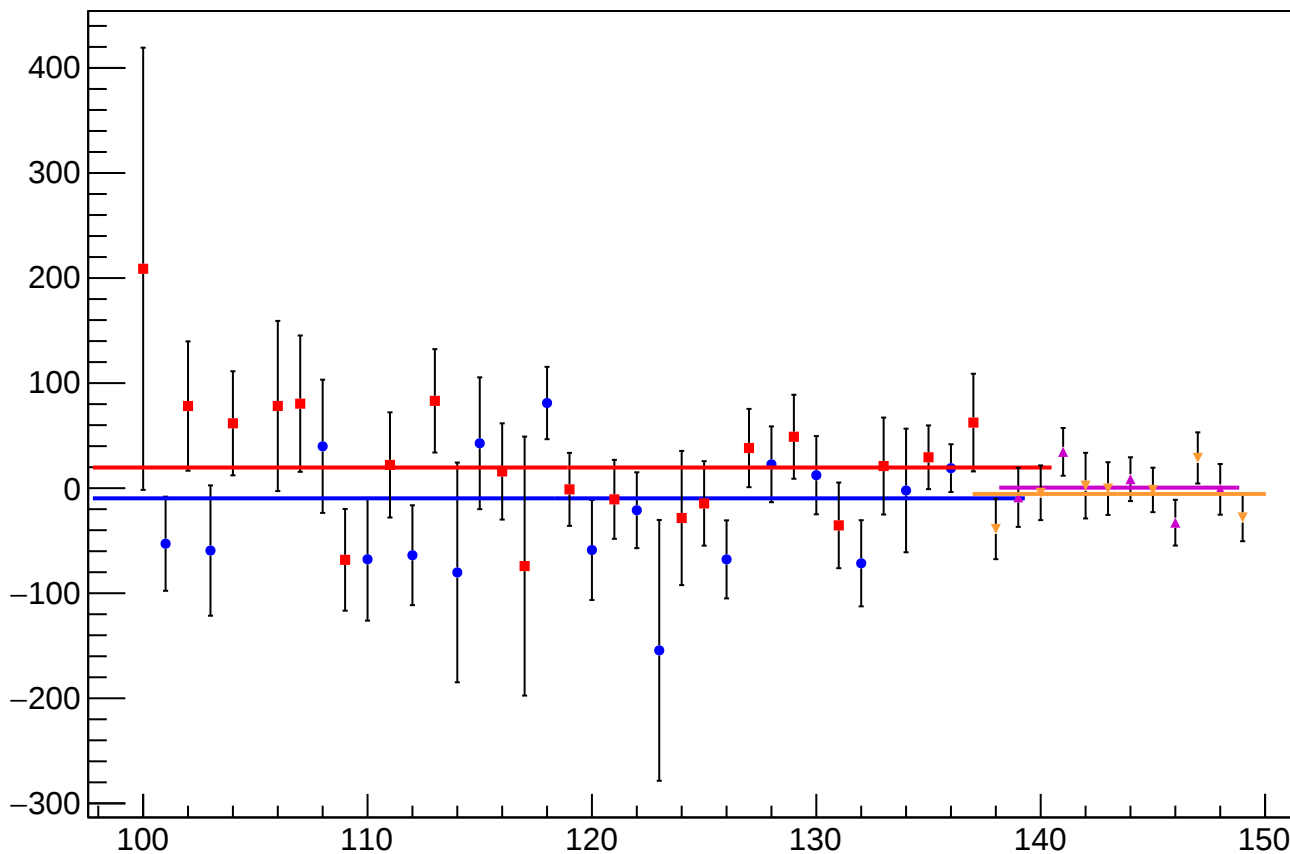
Right Out: 1350.936 ± 0.364 $\chi^2/\text{NDF}: 421834.2/19$

Left In: 684.217 ± 0.247 $\chi^2/\text{NDF}: 307351.0/4$

875.622 ± 0.194 $\chi^2/\text{NDF}: 2687692.1/23$

893.953 ± 0.204 $\chi^2/\text{NDF}: 3029947.6/24$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -5.477 ± 9.460 χ^2/NDF : 4.4/6

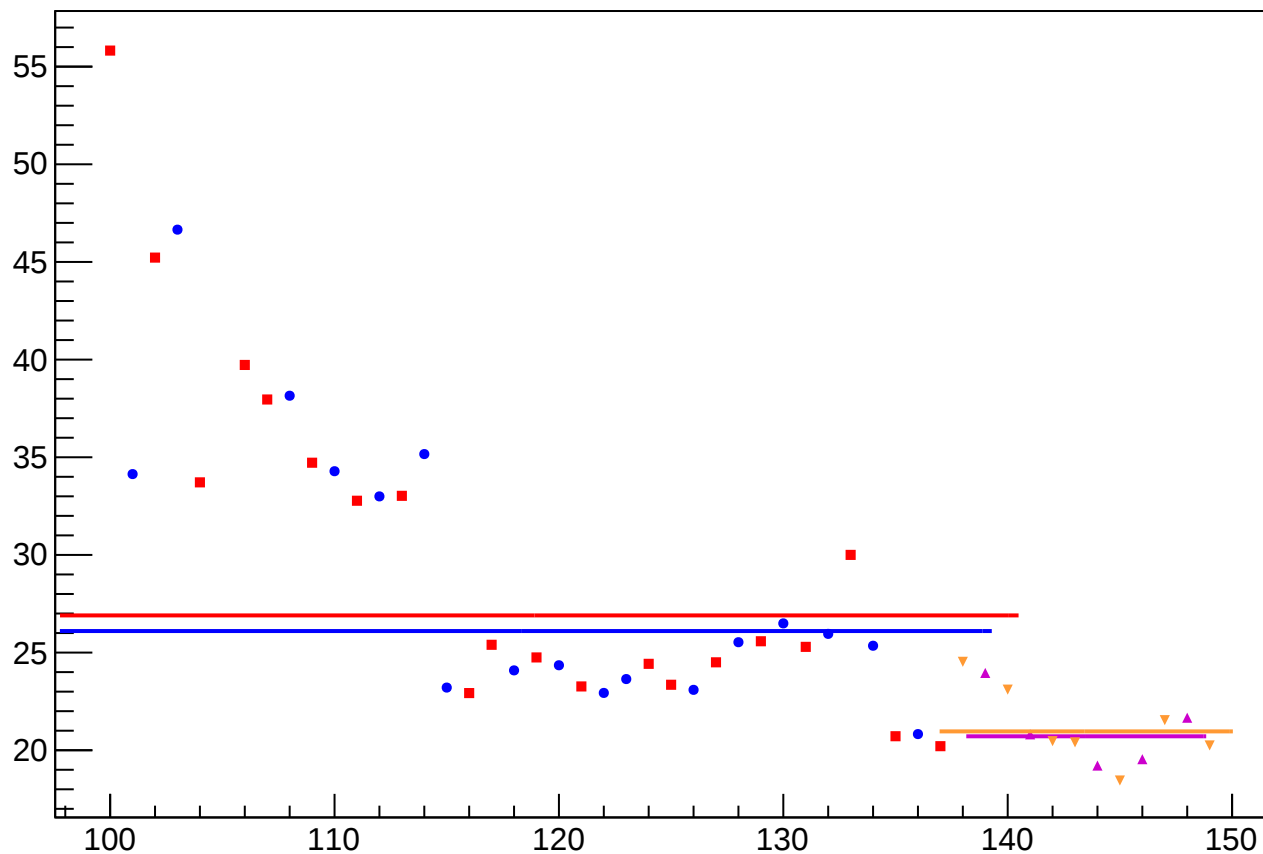
Right Out: 19.662 ± 10.406 χ^2/NDF : 15.2/19

Left In: 0.506 ± 10.357 χ^2/NDF : 4.9/4

-7.373 ± 7.000 χ^2/NDF : 27.1/23

10.038 ± 7.341 χ^2/NDF : 21.8/24

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.965 $\pm$ 0.007 χ^2 /NDF: 77060.3/6

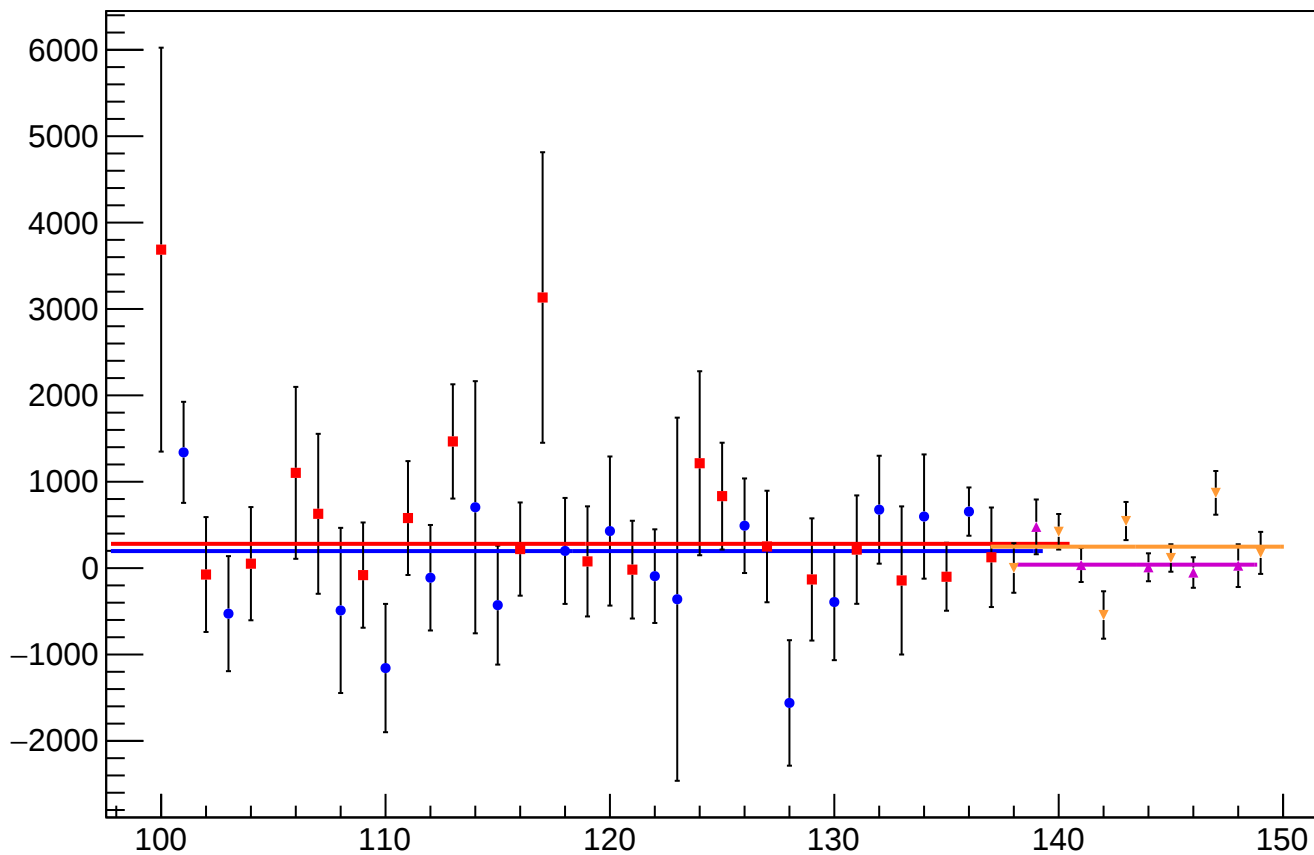
Right Out: 26.903 $\pm$ 0.007 χ^2 /NDF: 679269.9/19

Left In: 20.714 $\pm$ 0.007 χ^2 /NDF: 45757.1/4

23.289 $\pm$ 0.005 χ^2 /NDF: 947969.7/23

23.794 $\pm$ 0.005 χ^2 /NDF: 1080439.9/24

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 248.392 ± 84.021 χ^2/NDF : 18.4/6

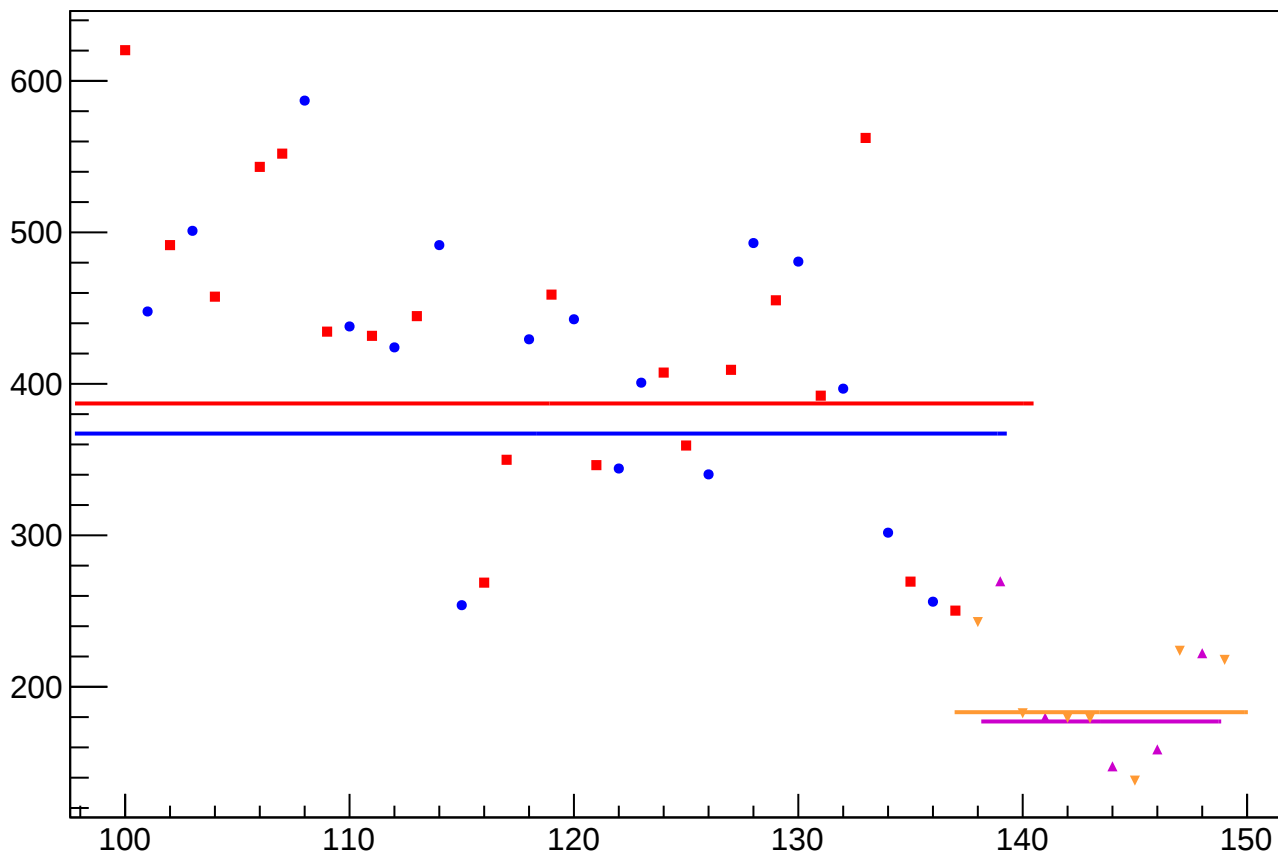
Right Out: 281.185 ± 149.275 χ^2/NDF : 13.6/19

Left In: 40.025 ± 90.363 χ^2/NDF : 2.2/4

235.931 ± 73.054 χ^2/NDF : 39.4/23

104.698 ± 77.303 χ^2/NDF : 17.7/24

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 183.240 $\pm$ 0.059 χ^2 /NDF: 340333.1/6

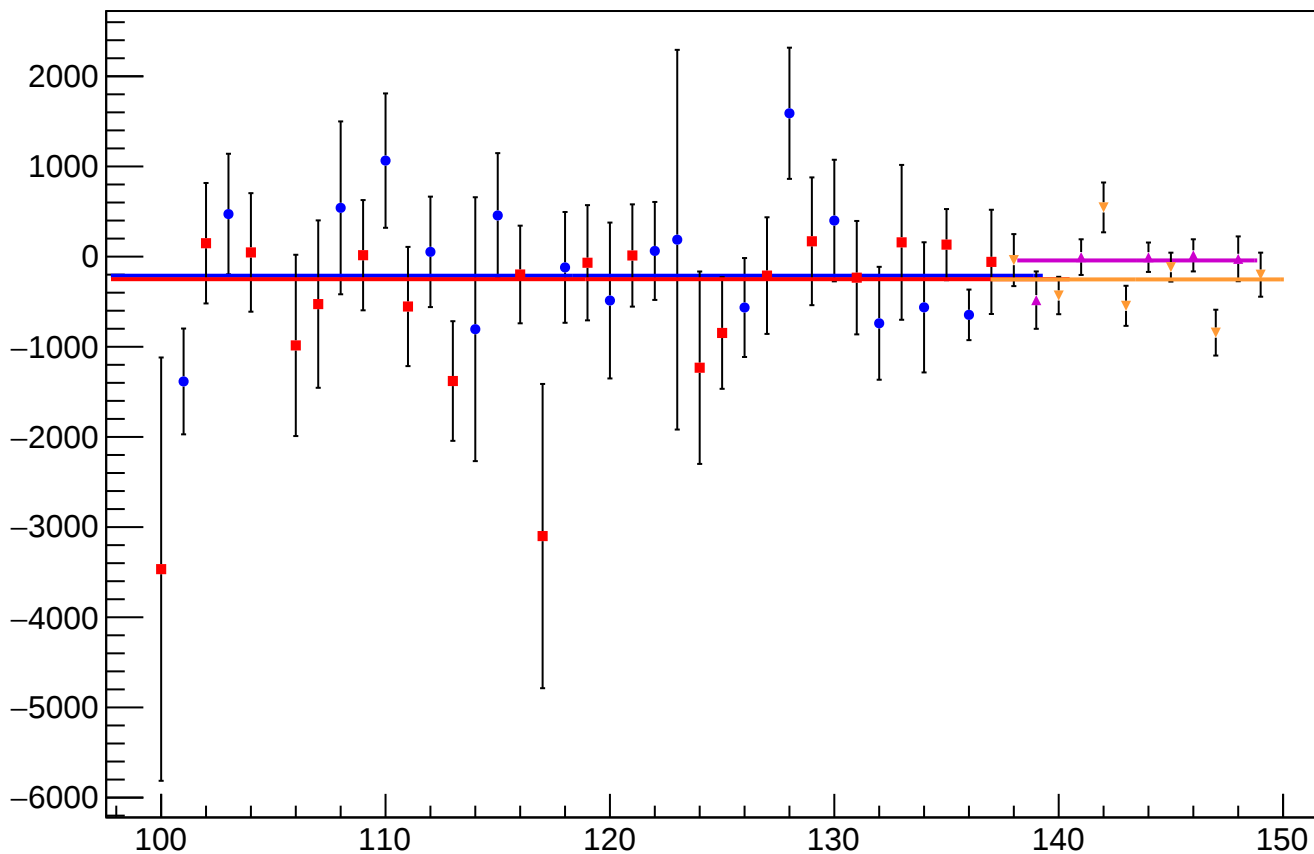
Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

Left In: 177.111 $\pm$ 0.064 χ^2 /NDF: 326131.8/4

228.127 $\pm$ 0.052 χ^2 /NDF: 3506580.7/23

233.411 $\pm$ 0.055 χ^2 /NDF: 3996630.6/24

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -252.840+/-84.606 χ^2/NDF : 17.5/6

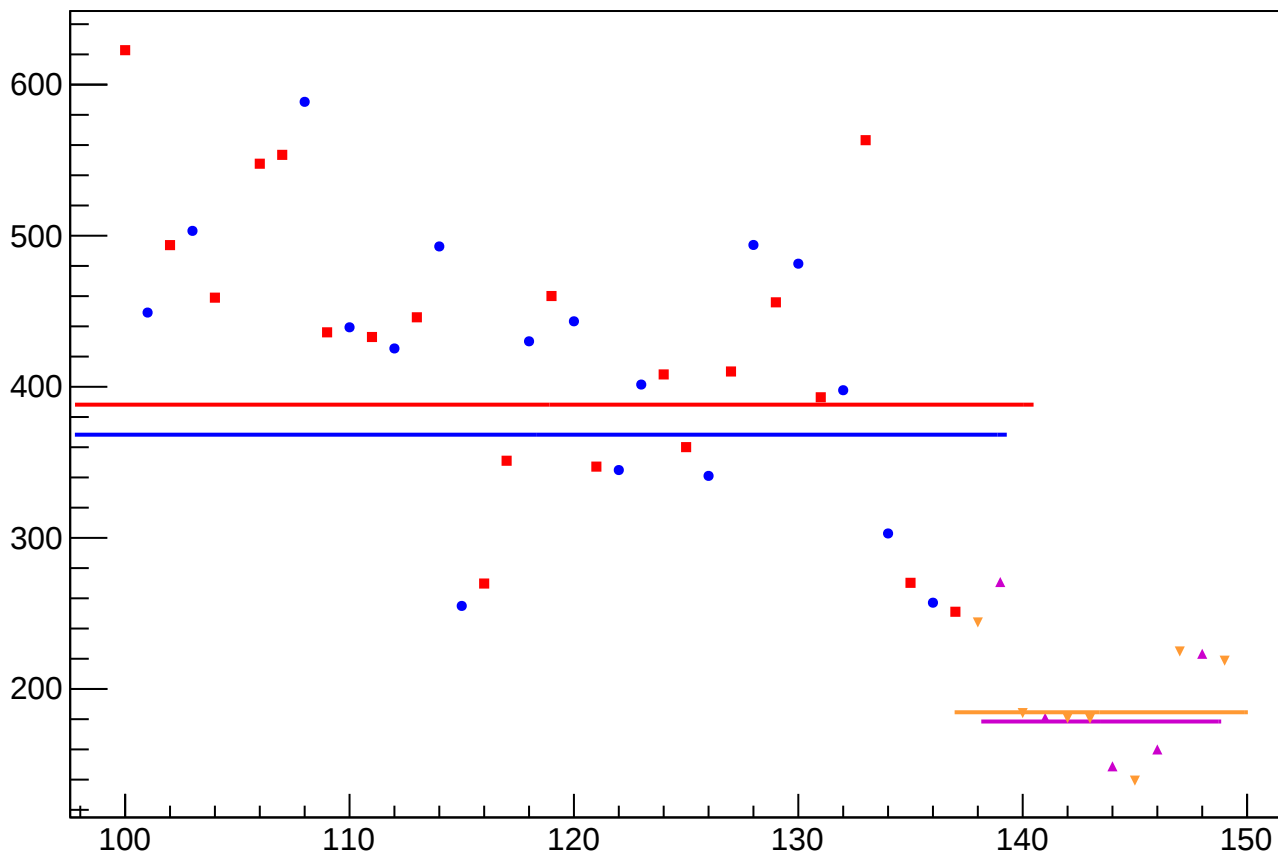
Right Out: -250.443+/-149.724 χ^2/NDF : 12.9/19

Left In: -42.383+/-91.017 χ^2/NDF : 2.1/4

-242.779+/-73.489 χ^2/NDF : 38.6/23

-98.523+/-77.774 χ^2/NDF : 16.4/24

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302+/-0.105 χ^2/NDF : 824619.2/16

Left Out: 184.584+/-0.060 χ^2/NDF : 334455.9/6

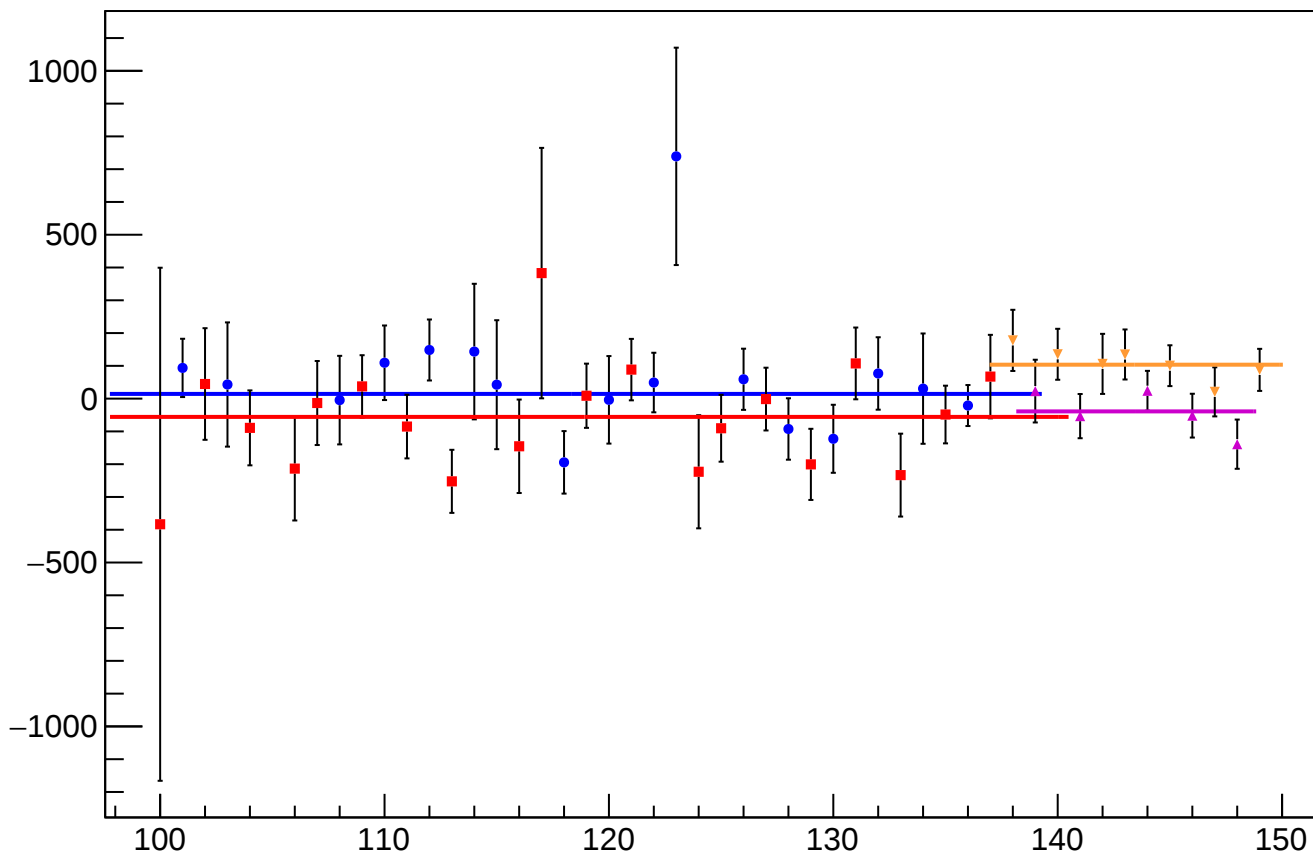
Right Out: 388.178+/-0.106 χ^2/NDF : 775692.7/19

Left In: 178.462+/-0.064 χ^2/NDF : 321324.8/4

229.689+/-0.052 χ^2/NDF : 3474389.4/23

235.049+/-0.055 χ^2/NDF : 3962094.6/24

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 103.539+/-28.279 χ^2/NDF : 2.3/6

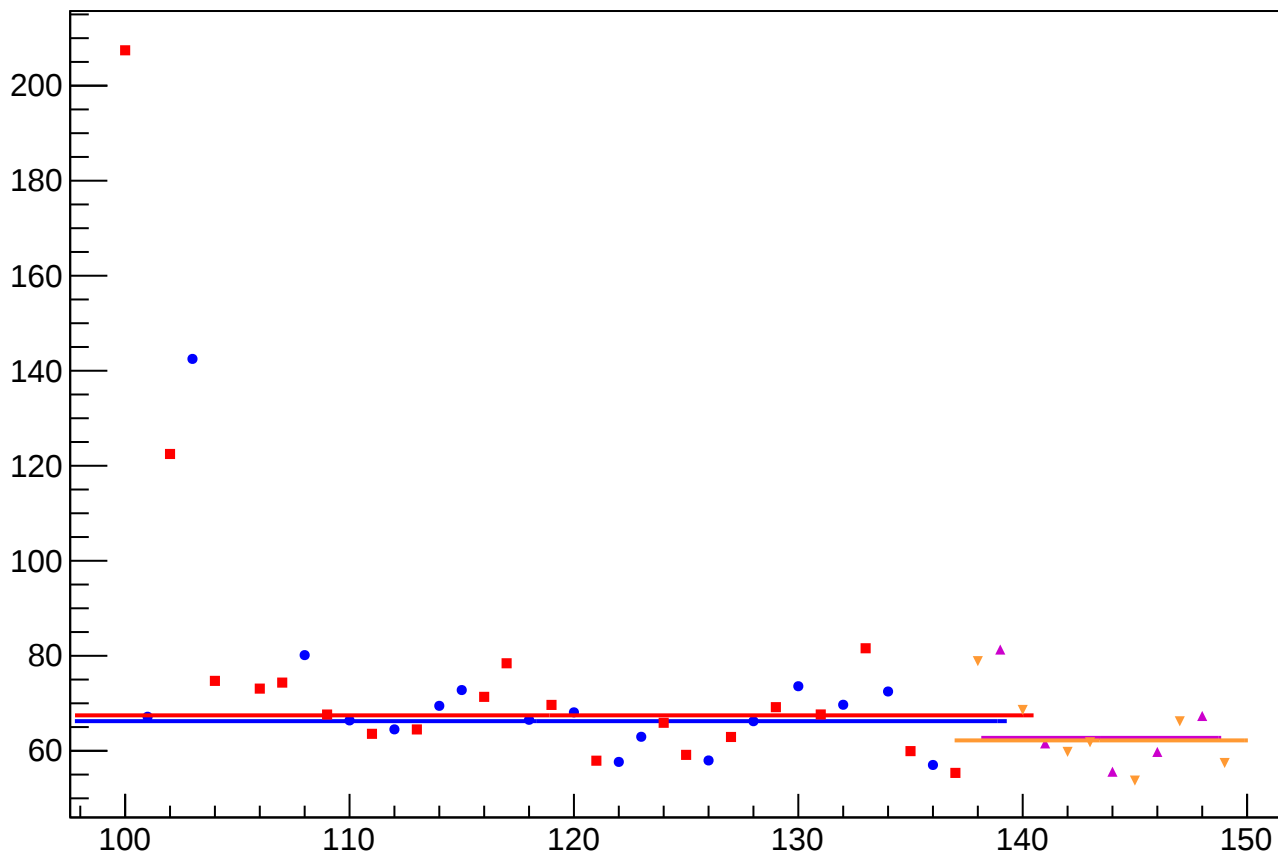
Right Out: -55.744+/-26.060 χ^2/NDF : 19.7/19

Left In: -38.949+/-31.597 χ^2/NDF : 3.4/4

55.790+/-19.272 χ^2/NDF : 25.3/23

-48.944+/-20.104 χ^2/NDF : 23.3/24

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 62.195+/-0.020 χ^2/NDF :132605.7/6

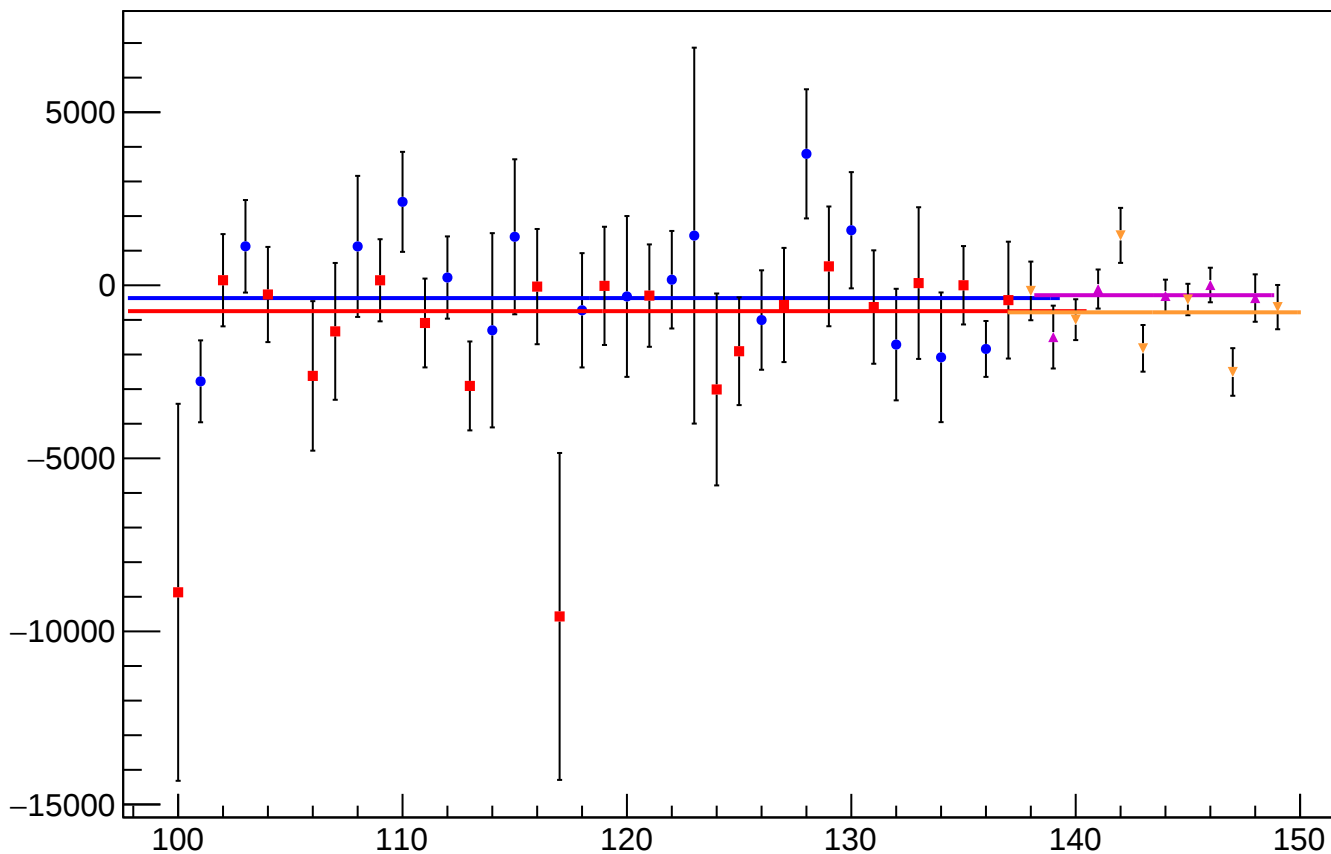
Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

Left In: 62.725+/-0.022 χ^2/NDF :115034.9/4

64.365+/-0.014 χ^2/NDF : 595545.0/23

65.547+/-0.014 χ^2/NDF : 537096.7/24

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -780.711+/-239.309 χ^2/NDF : 17.9/6

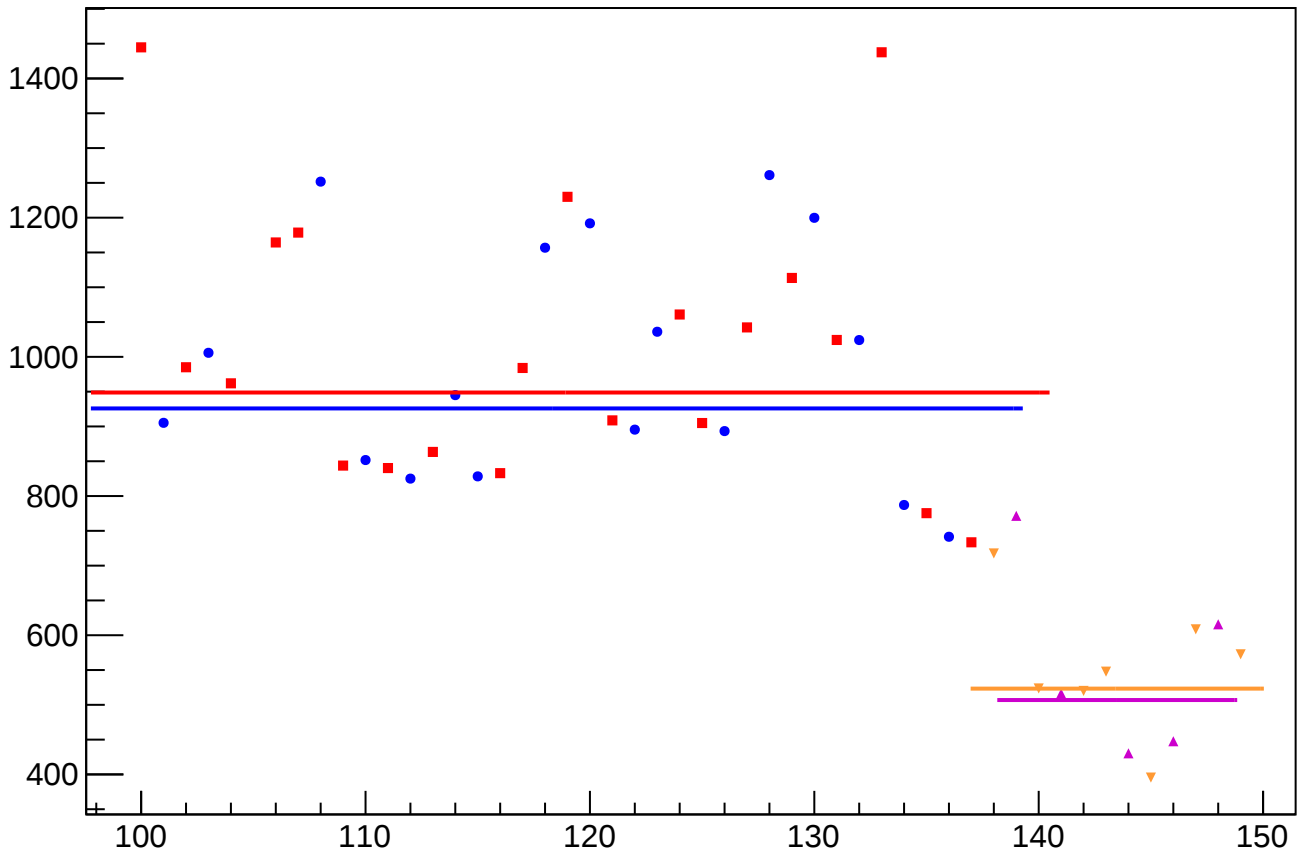
Right Out: -747.208+/-360.830 χ^2/NDF : 13.4/19

Left In: -286.386+/-258.209 χ^2/NDF : 2.2/4

-657.777+/-200.365 χ^2/NDF : 41.0/23

-442.448+/-209.983 χ^2/NDF : 16.8/24

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 523.290 $\pm$ 0.169 χ^2 /NDF:308903.7/6

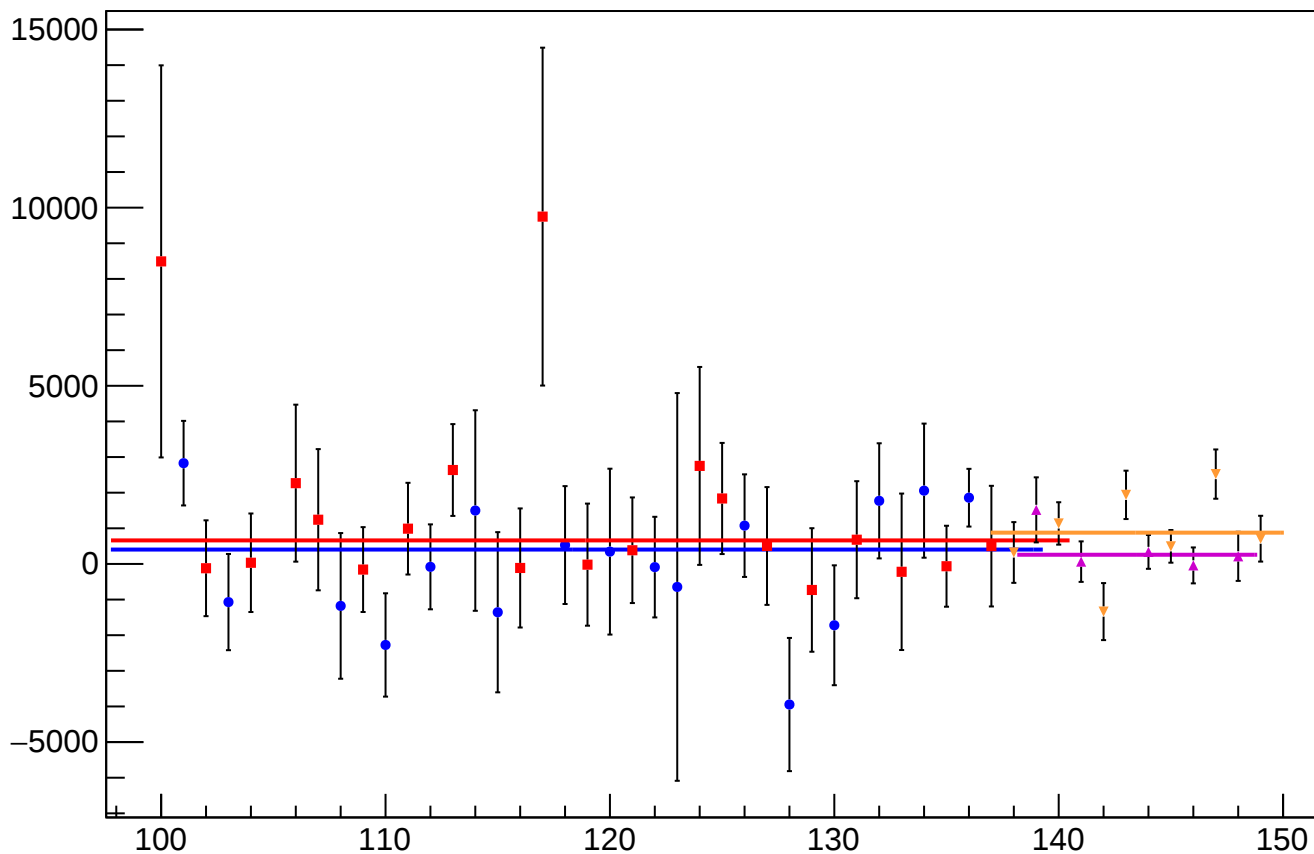
Right Out: 948.760 $\pm$ 0.255 χ^2 /NDF: 382044.0/19

Left In: 506.880 $\pm$ 0.183 χ^2 /NDF:301934.3/4

643.662 $\pm$ 0.142 χ^2 /NDF: 2392386.6/23

656.527 $\pm$ 0.148 χ^2 /NDF: 2667595.1/24

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 ± 367.686 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 878.158 ± 241.113 $\chi^2/\text{NDF}: 17.1/6$

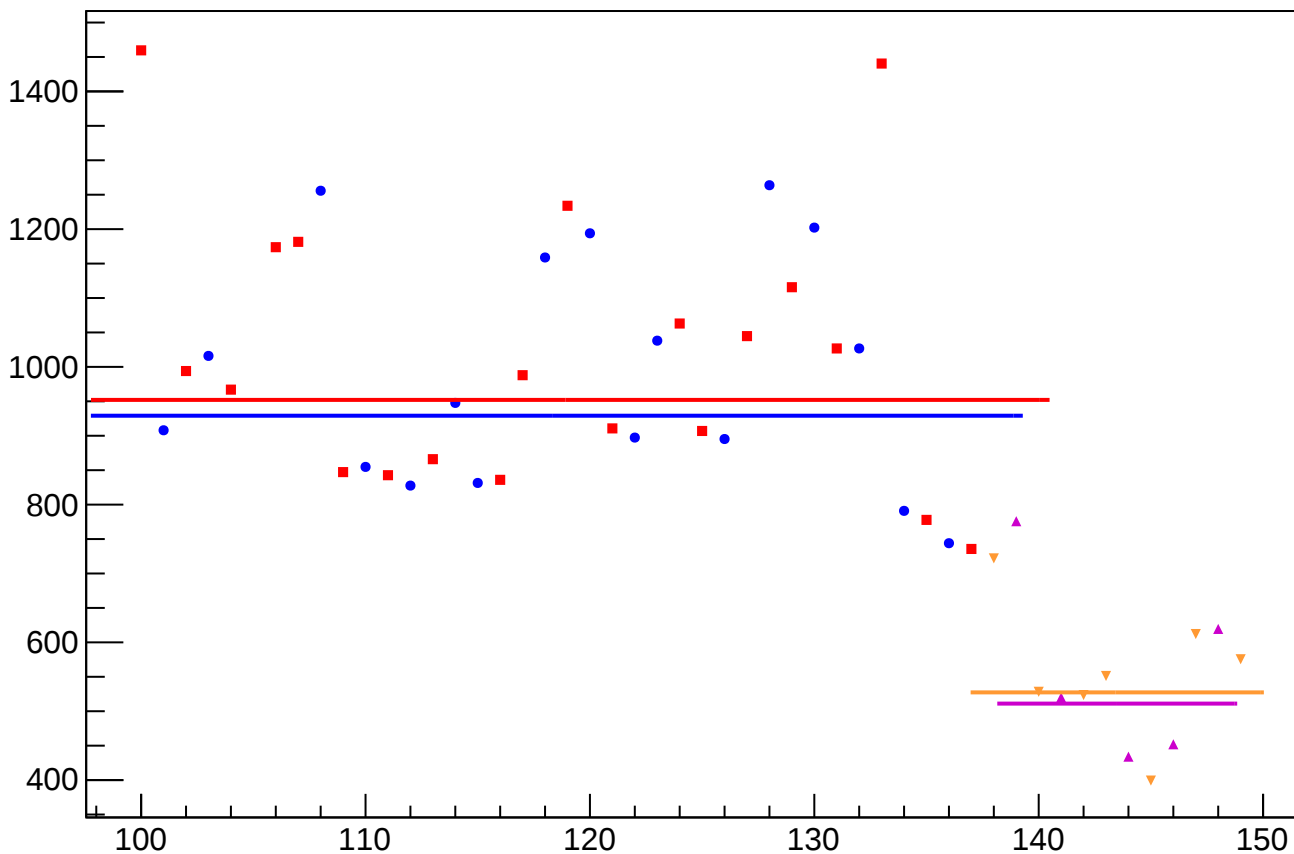
Right Out: 660.630 ± 362.265 $\chi^2/\text{NDF}: 12.5/19$

Left In: 257.858 ± 260.270 $\chi^2/\text{NDF}: 2.4/4$

735.452 ± 201.627 $\chi^2/\text{NDF}: 40.7/23$

394.980 ± 211.373 $\chi^2/\text{NDF}: 15.7/24$

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096 ± 0.260 χ^2/NDF : 390292.1/16

Left Out: 527.357 ± 0.170 χ^2/NDF : 304003.8/6

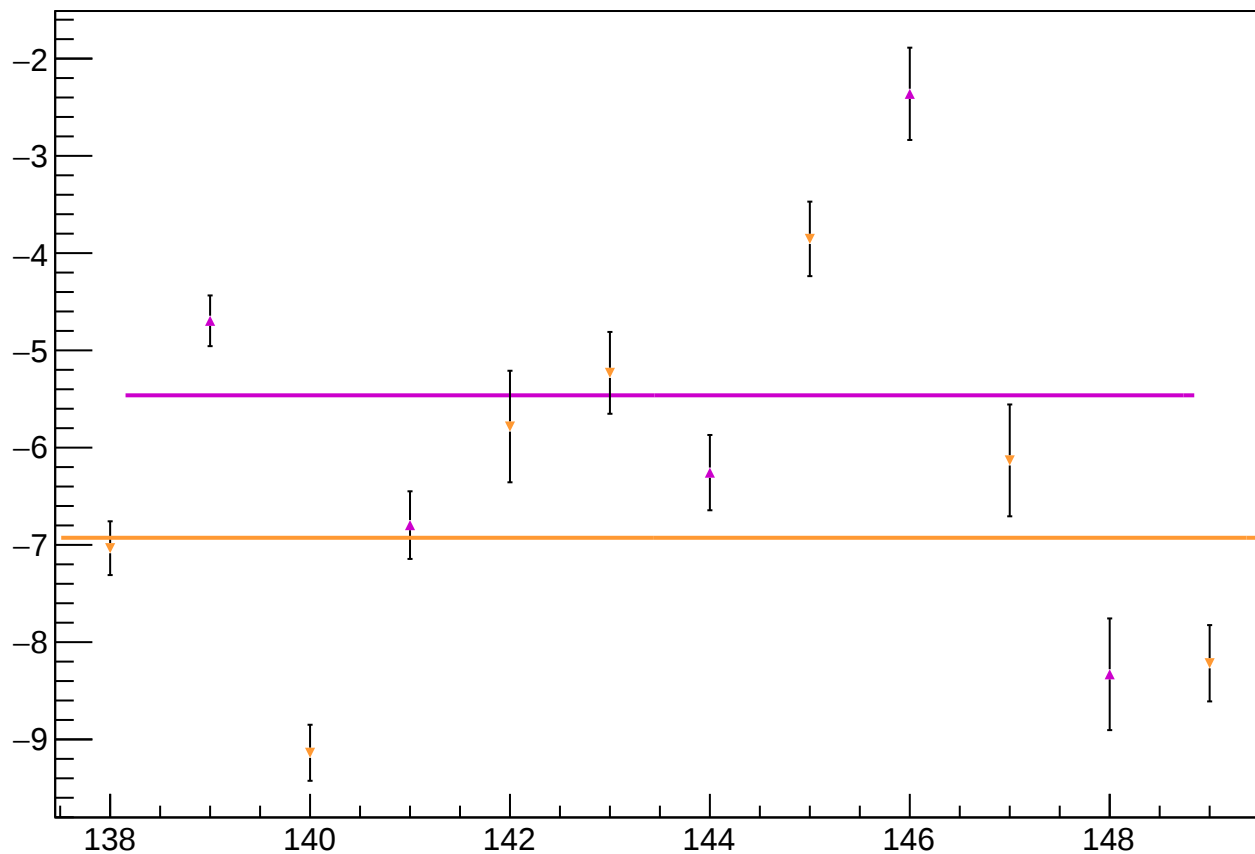
Right Out: 952.057 ± 0.256 χ^2/NDF : 382334.5/19

Left In: 511.064 ± 0.184 χ^2/NDF : 298326.6/4

648.163 ± 0.143 χ^2/NDF : 2363941.4/23

661.198 ± 0.149 χ^2/NDF : 2635413.9/24

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -6.927+/-0.141 χ^2/NDF : 156.3/6

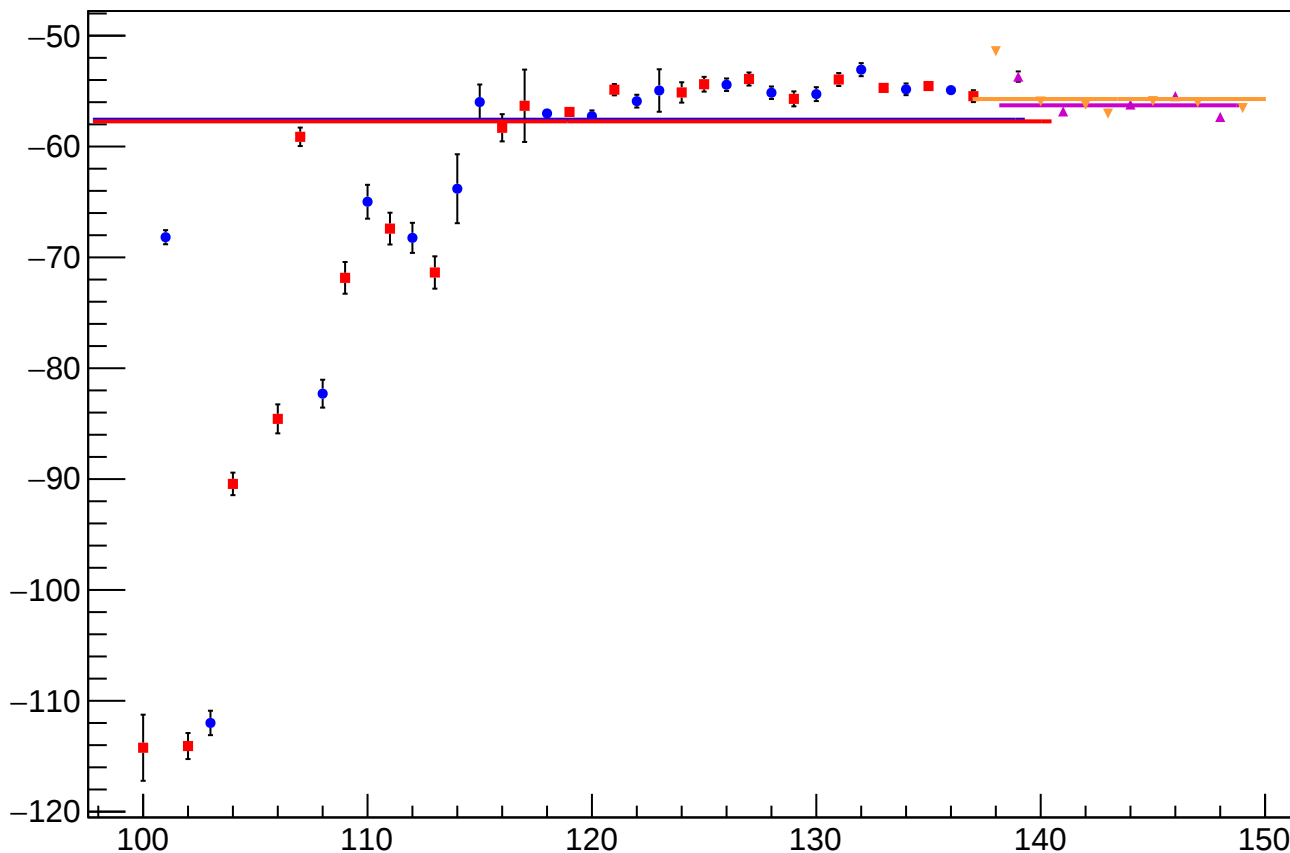
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.462+/-0.164 χ^2/NDF : 95.2/4

-6.927+/-0.141 χ^2/NDF : 156.3/6

-5.462+/-0.164 χ^2/NDF : 95.2/4

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.715 ± 0.109 χ^2/NDF : 213.8/6

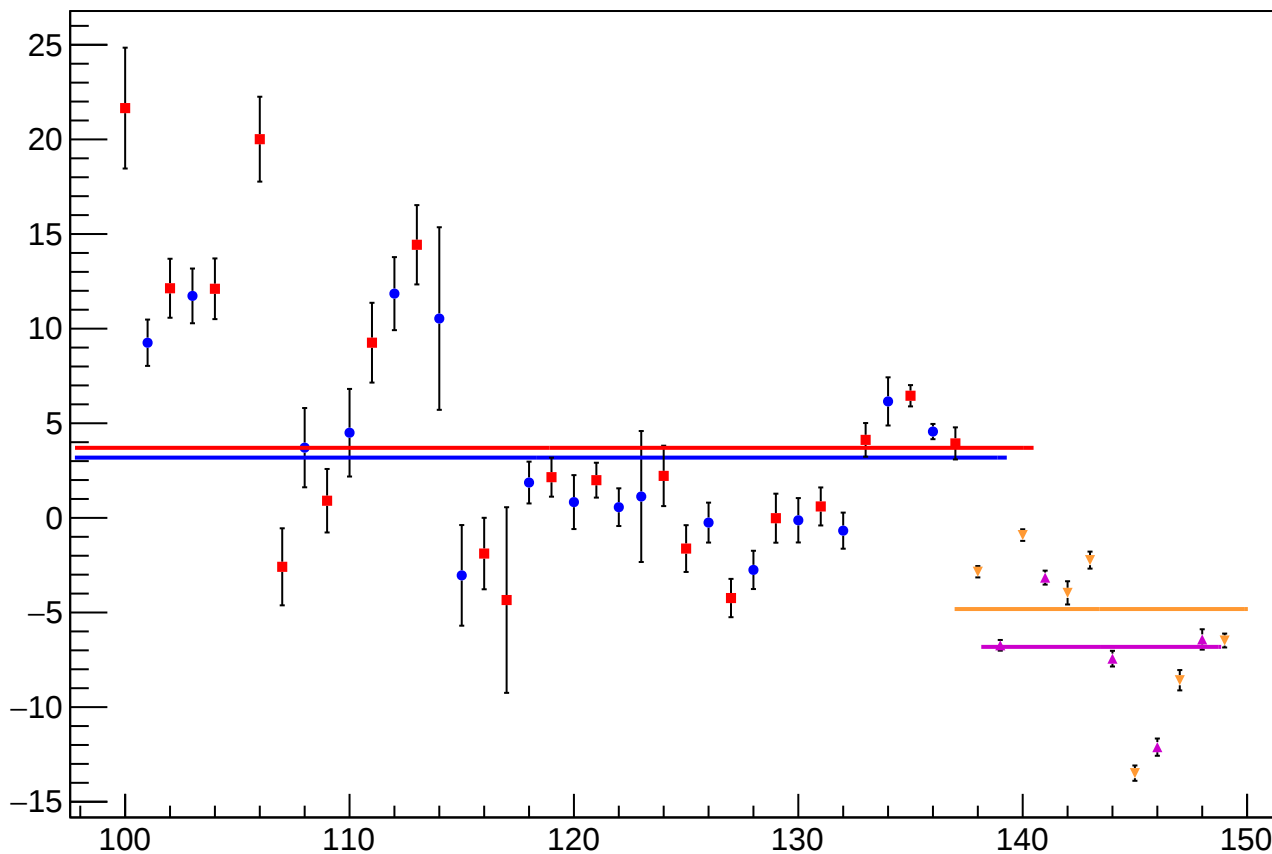
Right Out: -57.730 ± 0.143 χ^2/NDF : 4698.7/19

Left In: -56.284 ± 0.134 χ^2/NDF : 56.5/4

-56.401 ± 0.087 χ^2/NDF : 3776.9/23

-56.958 ± 0.098 χ^2/NDF : 4809.9/24

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 $\pm$ 0.259 χ^2/NDF : 185.8/16

Left Out: -4.817 $\pm$ 0.147 χ^2/NDF : 769.7/6

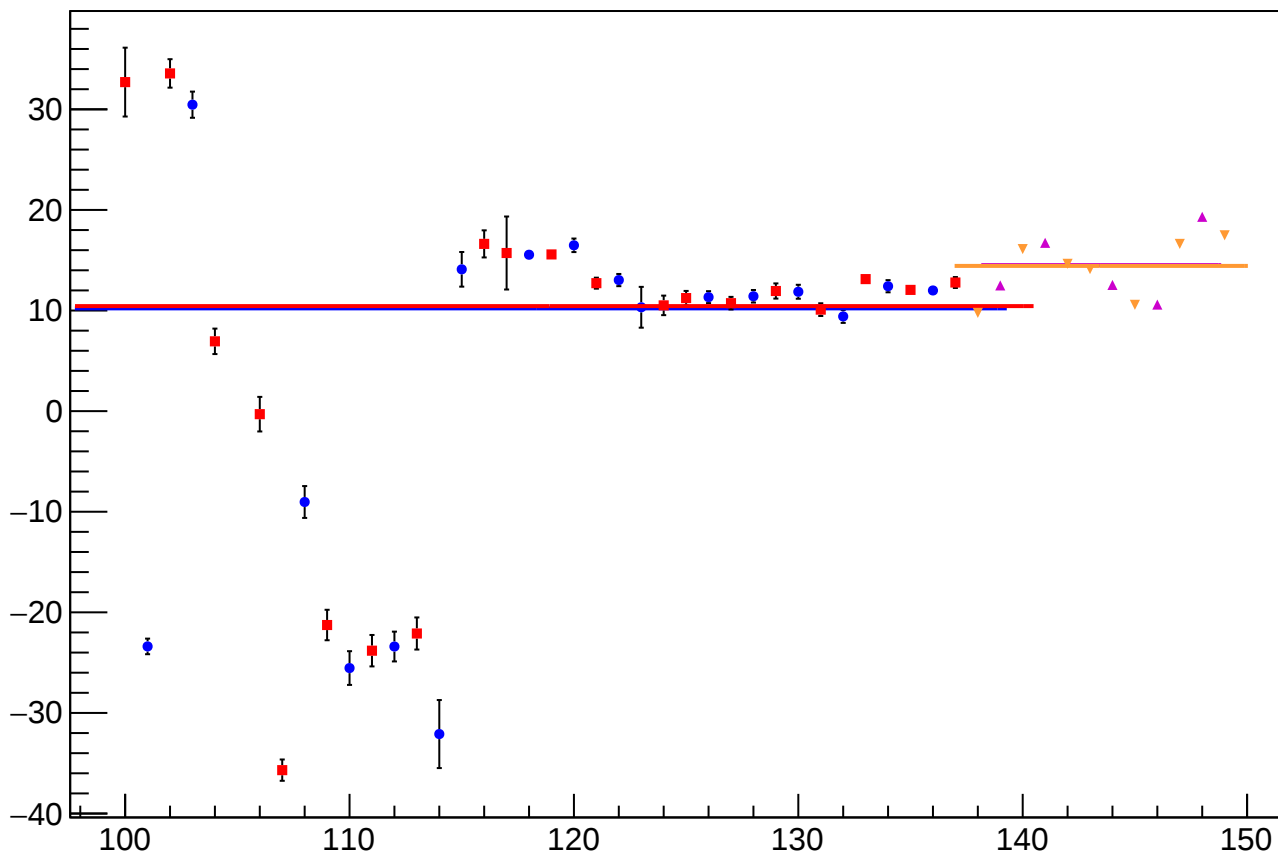
Right Out: 3.702 $\pm$ 0.267 χ^2/NDF : 326.8/19

Left In: -6.816 $\pm$ 0.172 χ^2/NDF : 236.0/4

-2.869 $\pm$ 0.128 χ^2/NDF : 1677.7/23

-3.742 $\pm$ 0.144 χ^2/NDF : 1660.1/24

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 ± 0.158 χ^2/NDF : 3692.6/16

Left Out: 14.437 ± 0.131 χ^2/NDF : 453.3/6

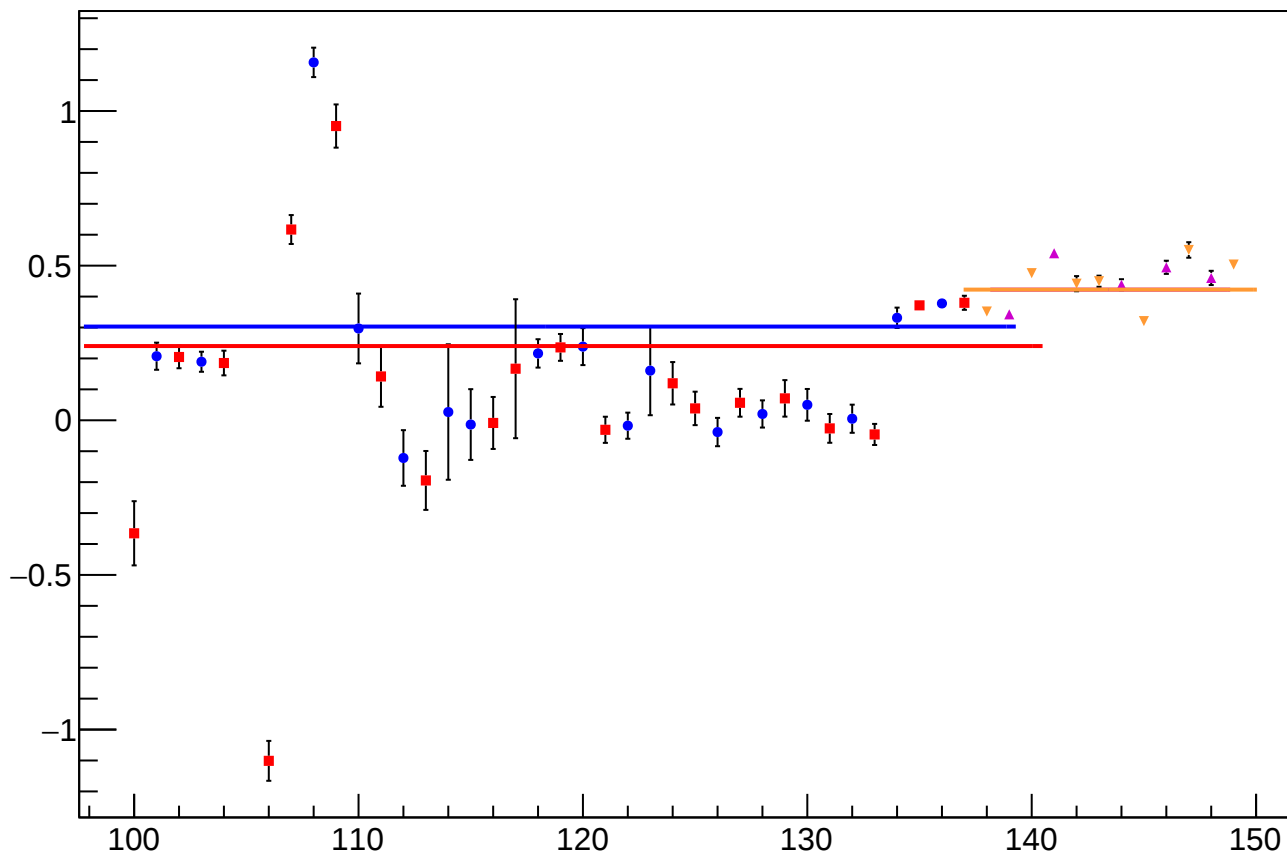
Right Out: 10.440 ± 0.160 χ^2/NDF : 3829.1/19

Left In: 14.519 ± 0.161 χ^2/NDF : 366.0/4

12.721 ± 0.101 χ^2/NDF : 4569.2/23

12.468 ± 0.113 χ^2/NDF : 4518.7/24

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.423 $\pm$ 0.006 χ^2 /NDF:150.1/6

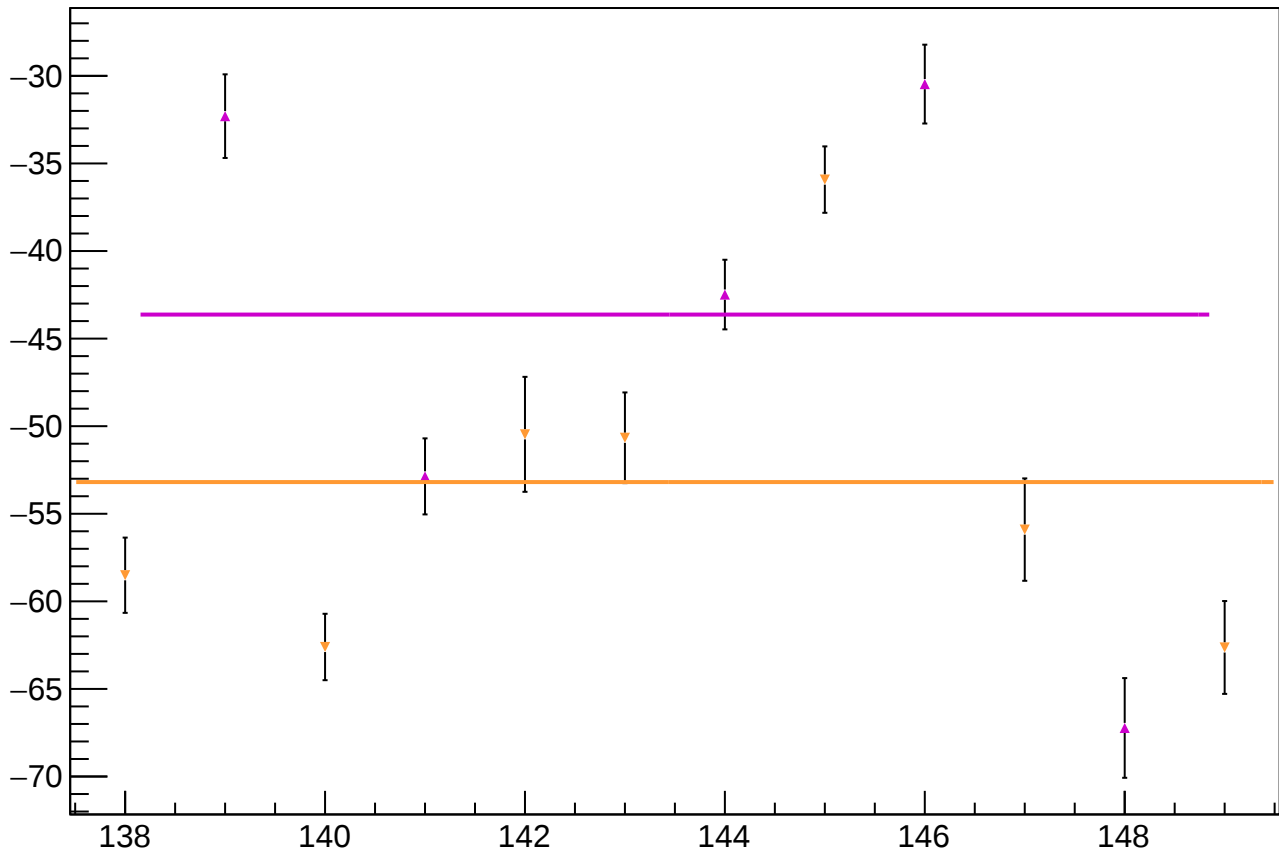
Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.5/19

Left In: 0.422 $\pm$ 0.007 χ^2 /NDF:142.5/4

0.381 $\pm$ 0.005 χ^2 /NDF: 933.8/23

0.352 $\pm$ 0.005 χ^2 /NDF: 1407.9/24

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -53.190+/-0.886 χ^2/NDF : 129.0/6

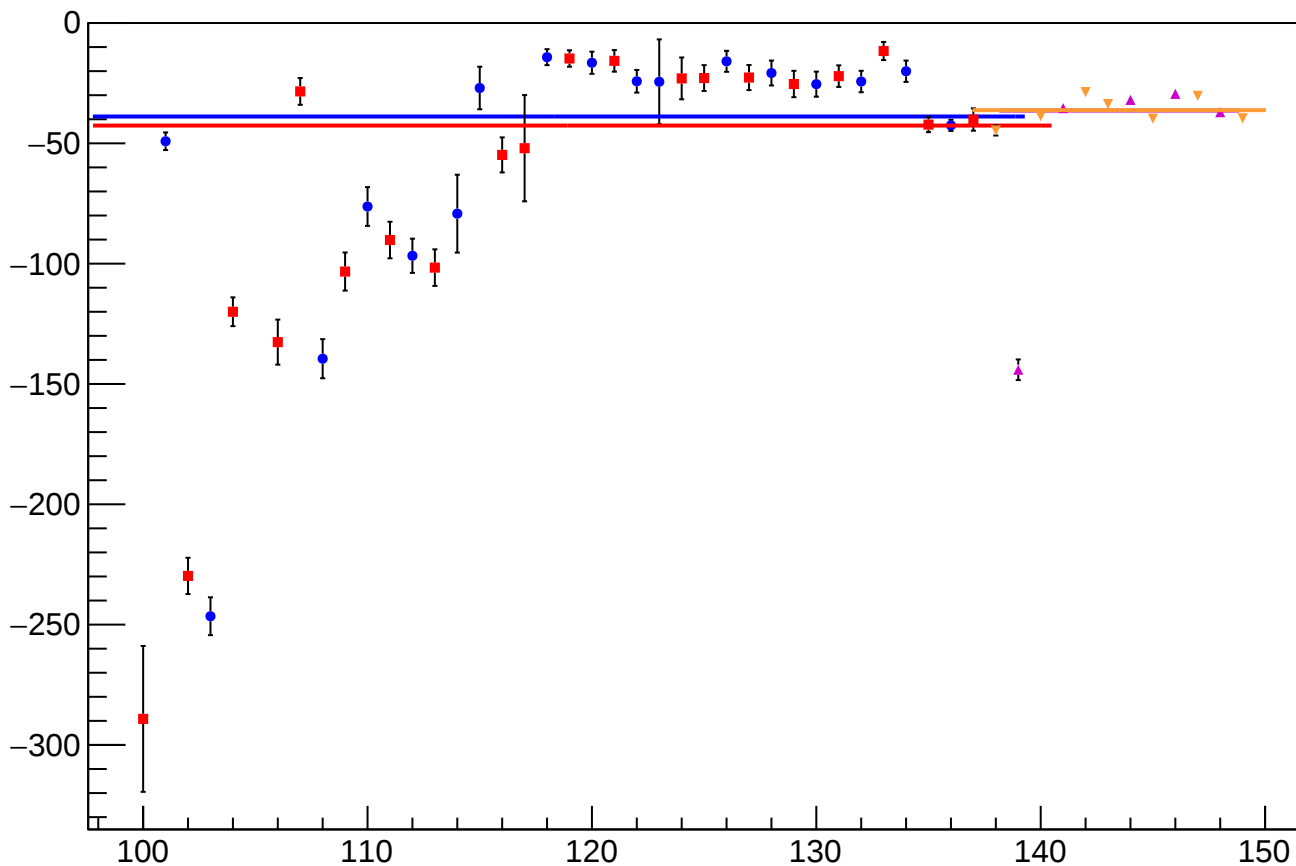
-53.190+/-0.886 χ^2/NDF : 129.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-43.628+/-1.020 χ^2/NDF : 143.9/4

Left In: -43.628+/-1.020 χ^2/NDF : 143.9/4

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -36.213 ± 0.634 χ^2/NDF : 61.4/6

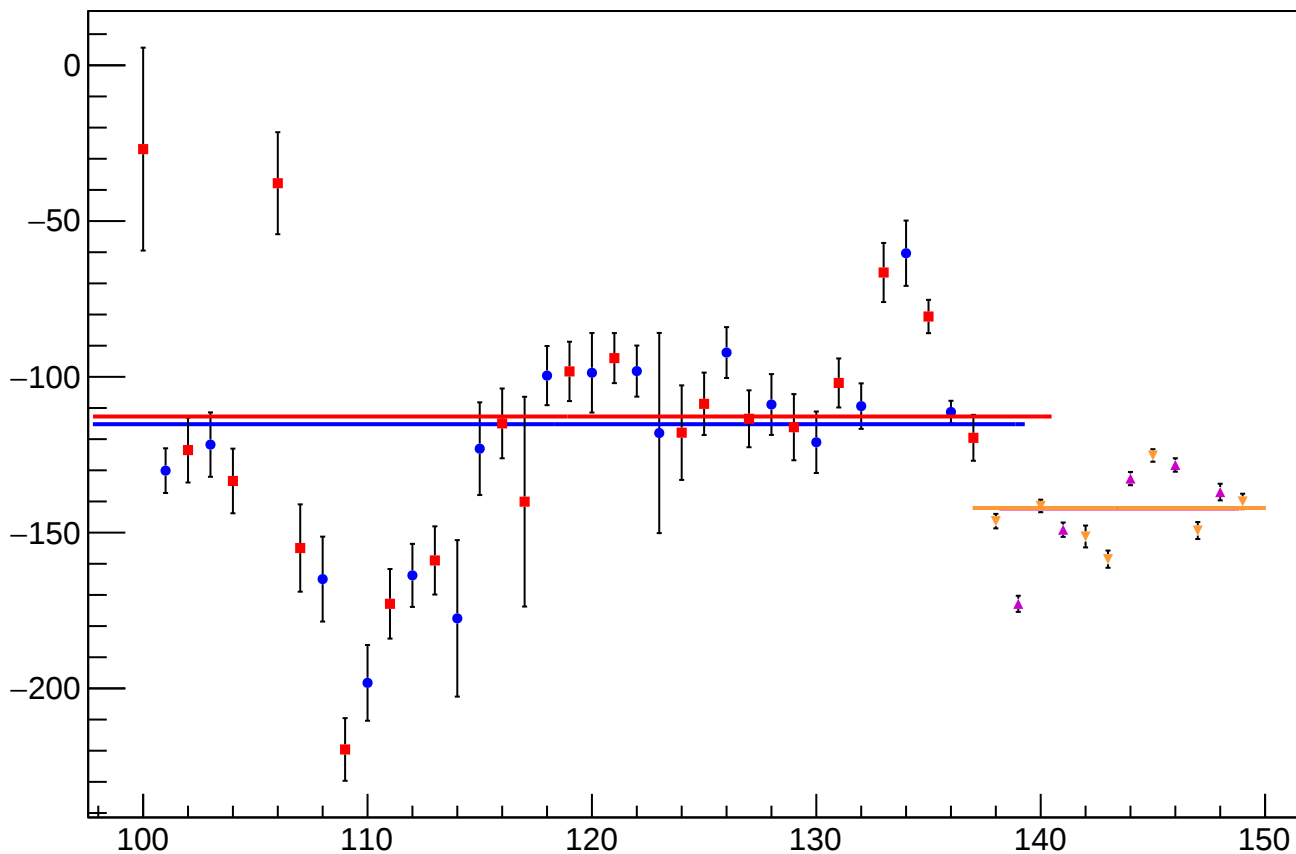
Right Out: -42.614 ± 1.208 χ^2/NDF : 1345.9/19

Left In: -36.379 ± 0.706 χ^2/NDF : 668.5/4

-36.828 ± 0.555 χ^2/NDF : 1187.3/23

-37.966 ± 0.610 χ^2/NDF : 2034.2/24

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 $\pm$ 2.081 χ^2/NDF : 140.8/16

Left Out: -142.093 $\pm$ 0.919 χ^2/NDF : 123.1/6

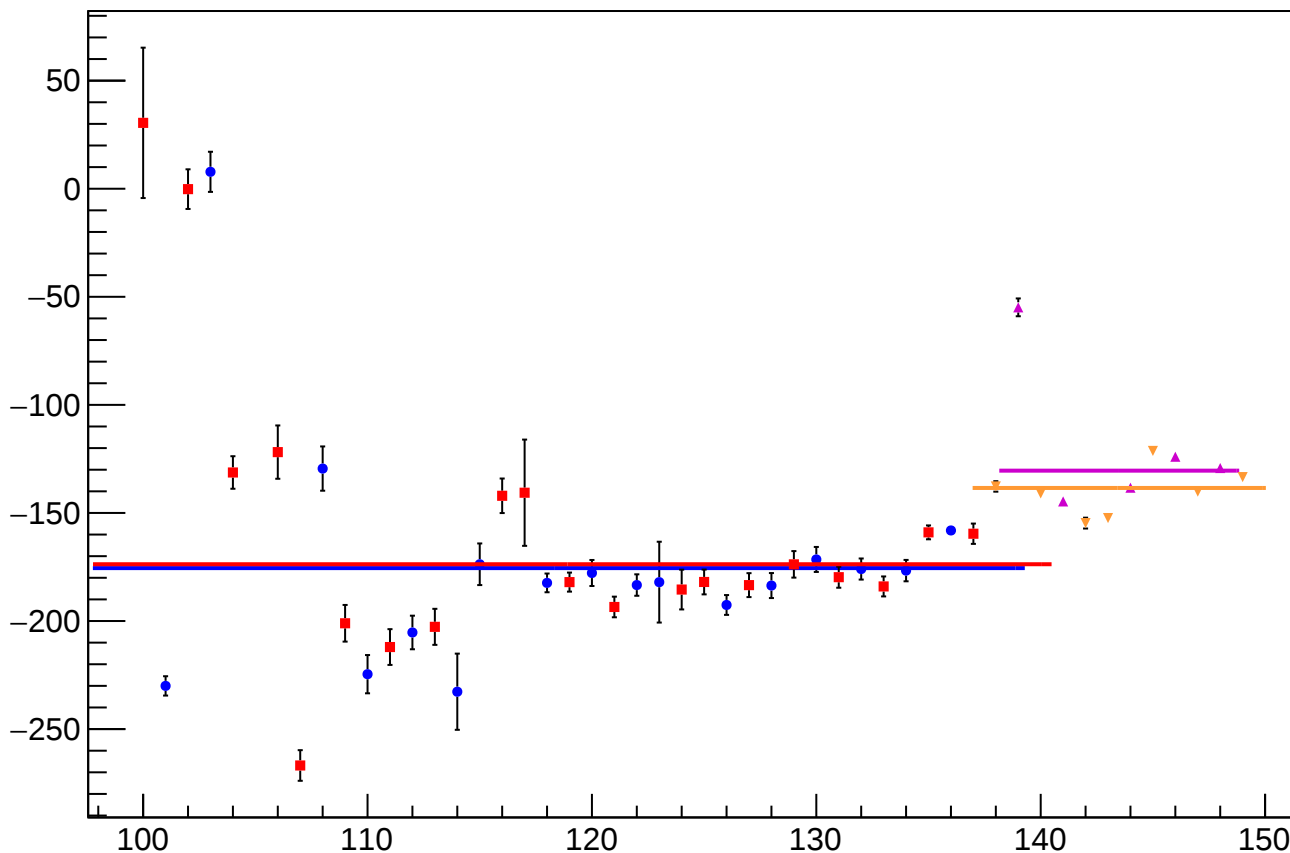
Right Out: -112.729 $\pm$ 2.205 χ^2/NDF : 273.1/19

Left In: -142.250 $\pm$ 1.047 χ^2/NDF : 214.8/4

-137.708 $\pm$ 0.841 χ^2/NDF : 403.6/23

-136.821 $\pm$ 0.945 χ^2/NDF : 634.2/24

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -138.440 ± 0.775 χ^2/NDF : 187.4/6

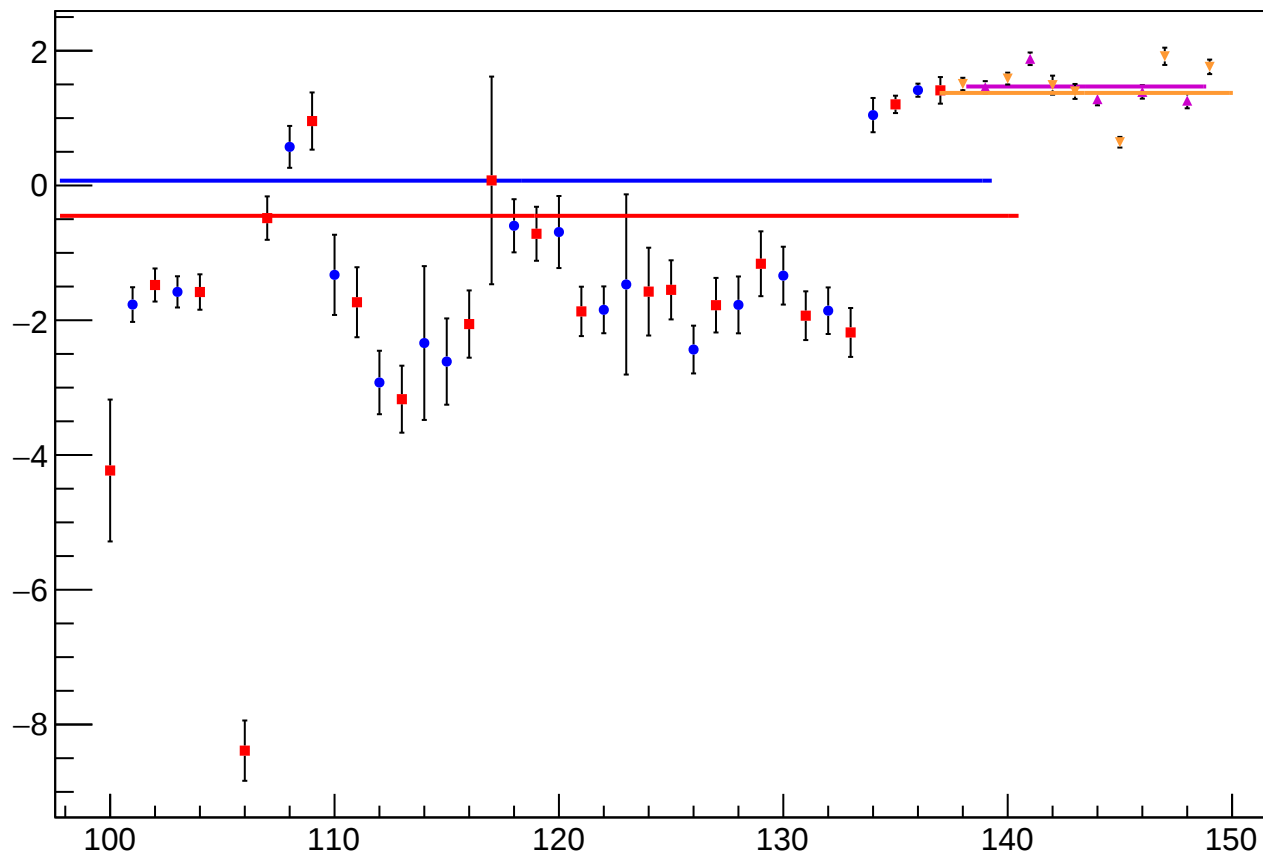
Right Out: -173.729 ± 1.354 χ^2/NDF : 739.7/19

Left In: -130.433 ± 0.878 χ^2/NDF : 430.8/4

-148.418 ± 0.662 χ^2/NDF : 1495.9/23

-143.253 ± 0.737 χ^2/NDF : 1889.8/24

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.374 ± 0.038 χ^2/NDF : 125.2/6

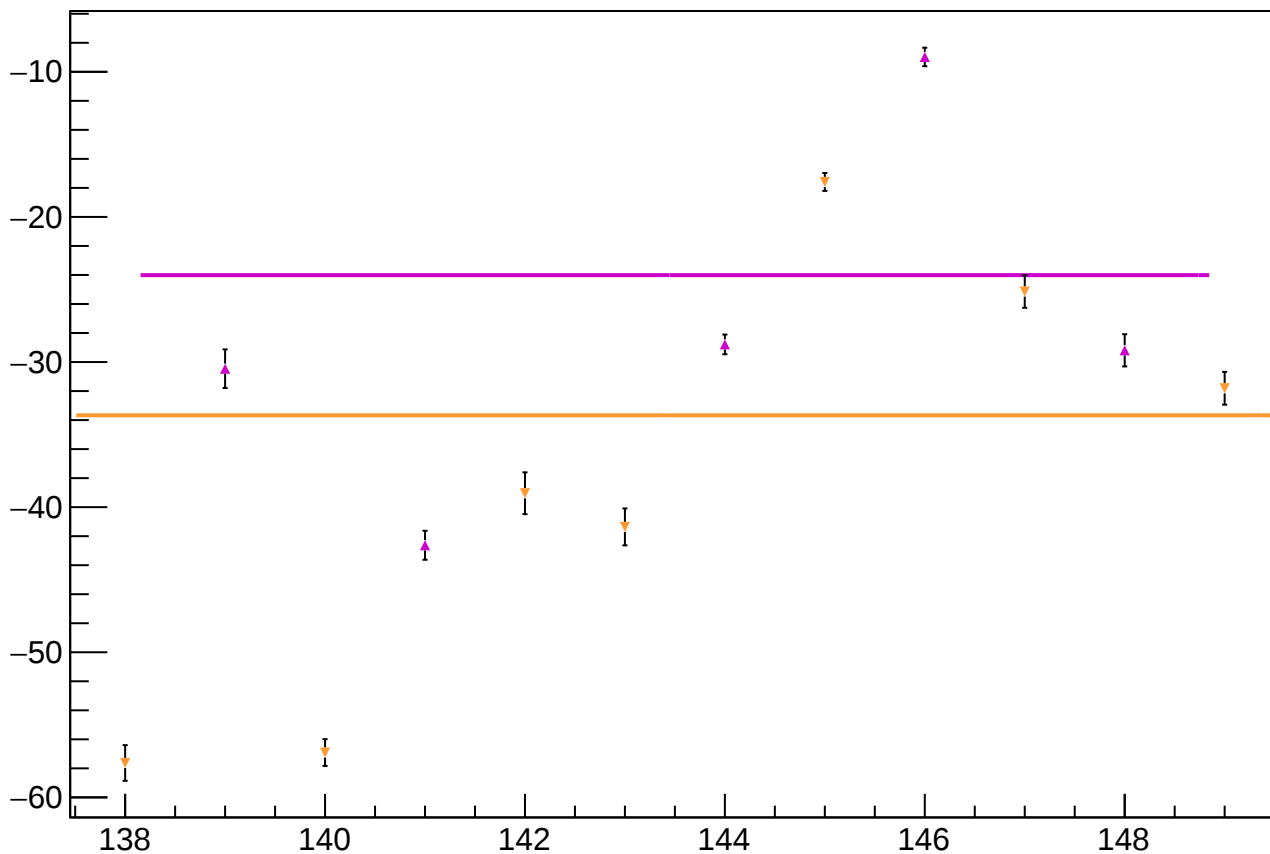
Right Out: -0.450 ± 0.071 χ^2/NDF : 751.4/19

Left In: 1.469 ± 0.043 χ^2/NDF : 27.6/4

1.055 ± 0.033 χ^2/NDF : 934.5/23

0.948 ± 0.037 χ^2/NDF : 1307.7/24

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -33.669+/-0.374 χ^2/NDF : 1804.2/6

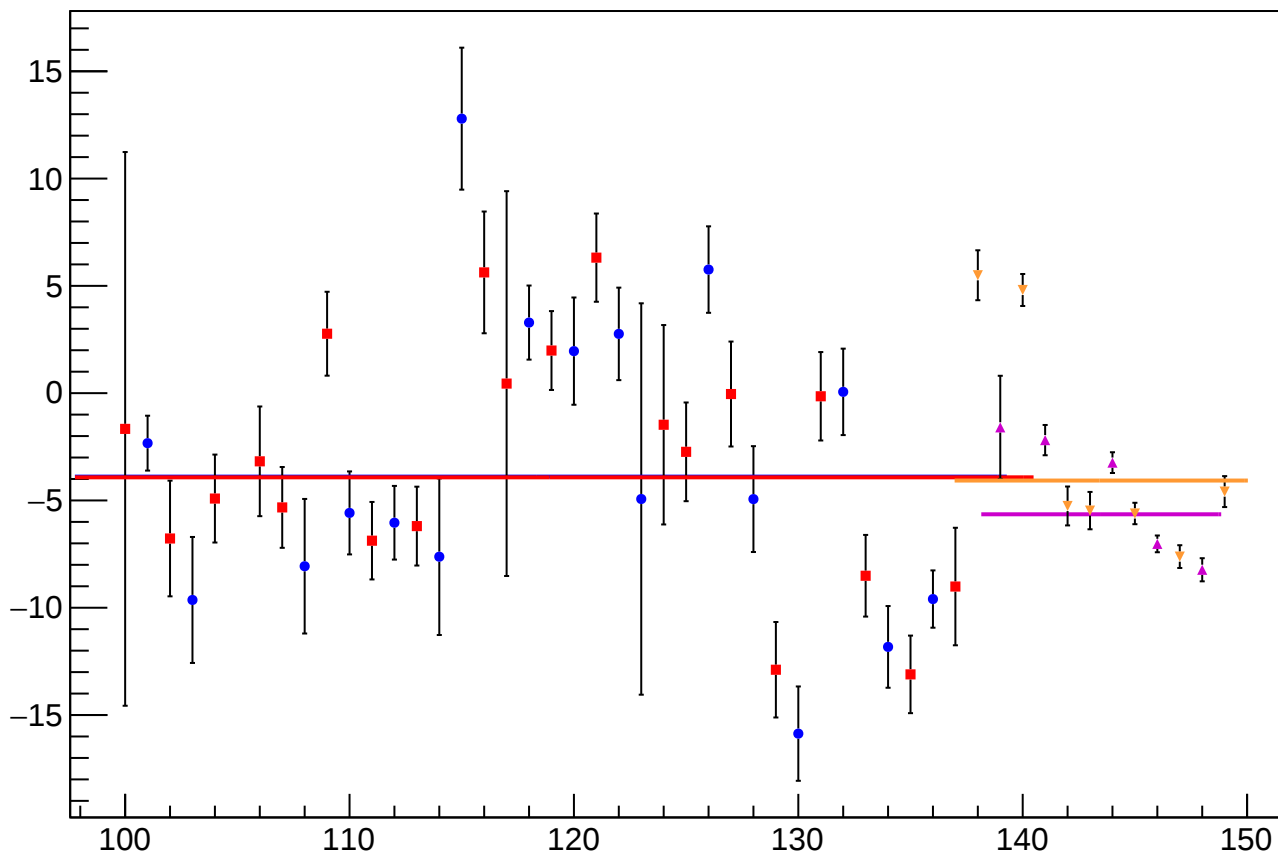
-33.669+/-0.374 χ^2/NDF : 1804.2/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-24.012+/-0.378 χ^2/NDF : 996.9/4

Left In: -24.012+/-0.378 χ^2/NDF : 996.9/4

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -4.072 ± 0.262 $\chi^2/\text{NDF}: 268.4/6$

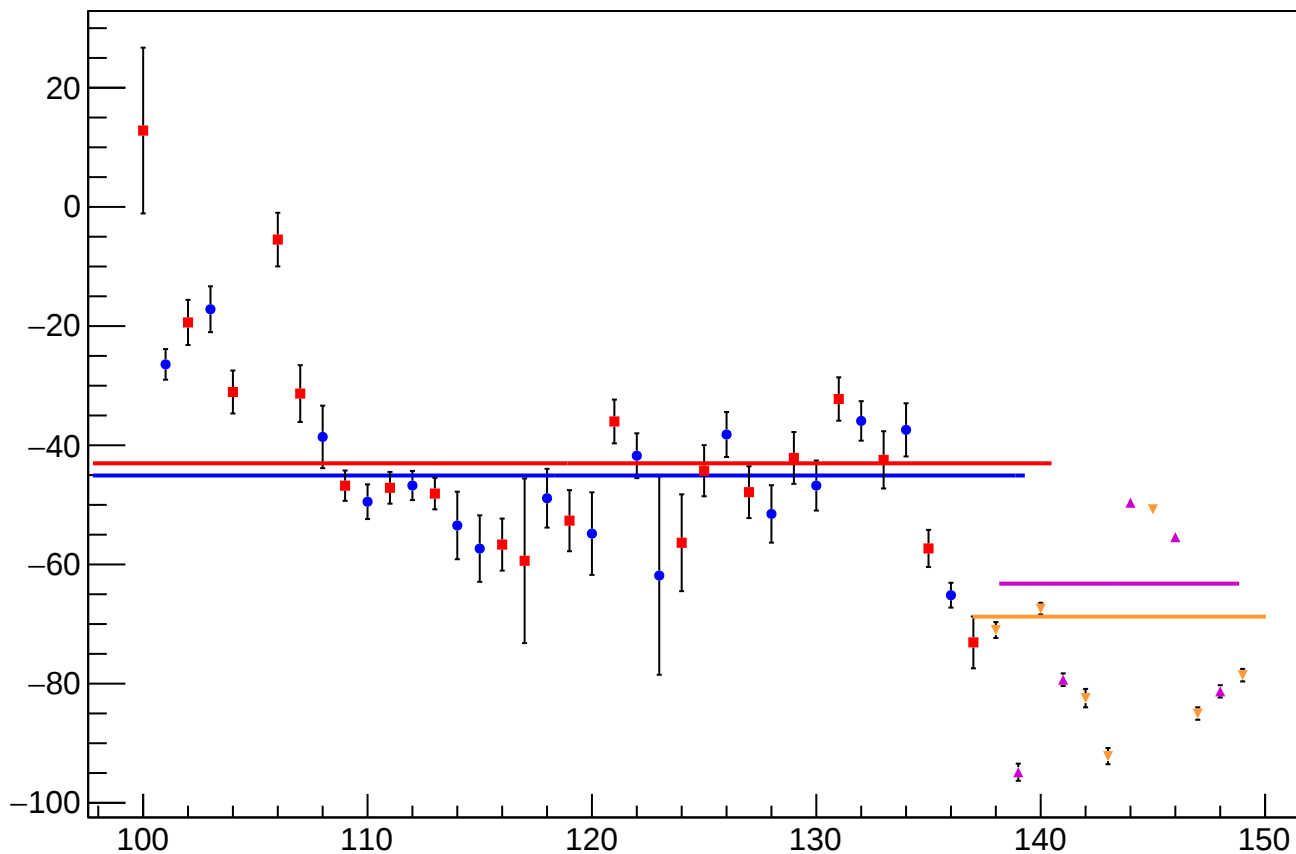
Right Out: -3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

Left In: -5.645 ± 0.247 $\chi^2/\text{NDF}: 87.1/4$

-4.033 ± 0.232 $\chi^2/\text{NDF}: 429.0/23$

-5.315 ± 0.222 $\chi^2/\text{NDF}: 218.9/24$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF}: 229.7/16$

Left Out: -68.761 ± 0.386 $\chi^2/\text{NDF}: 1462.4/6$

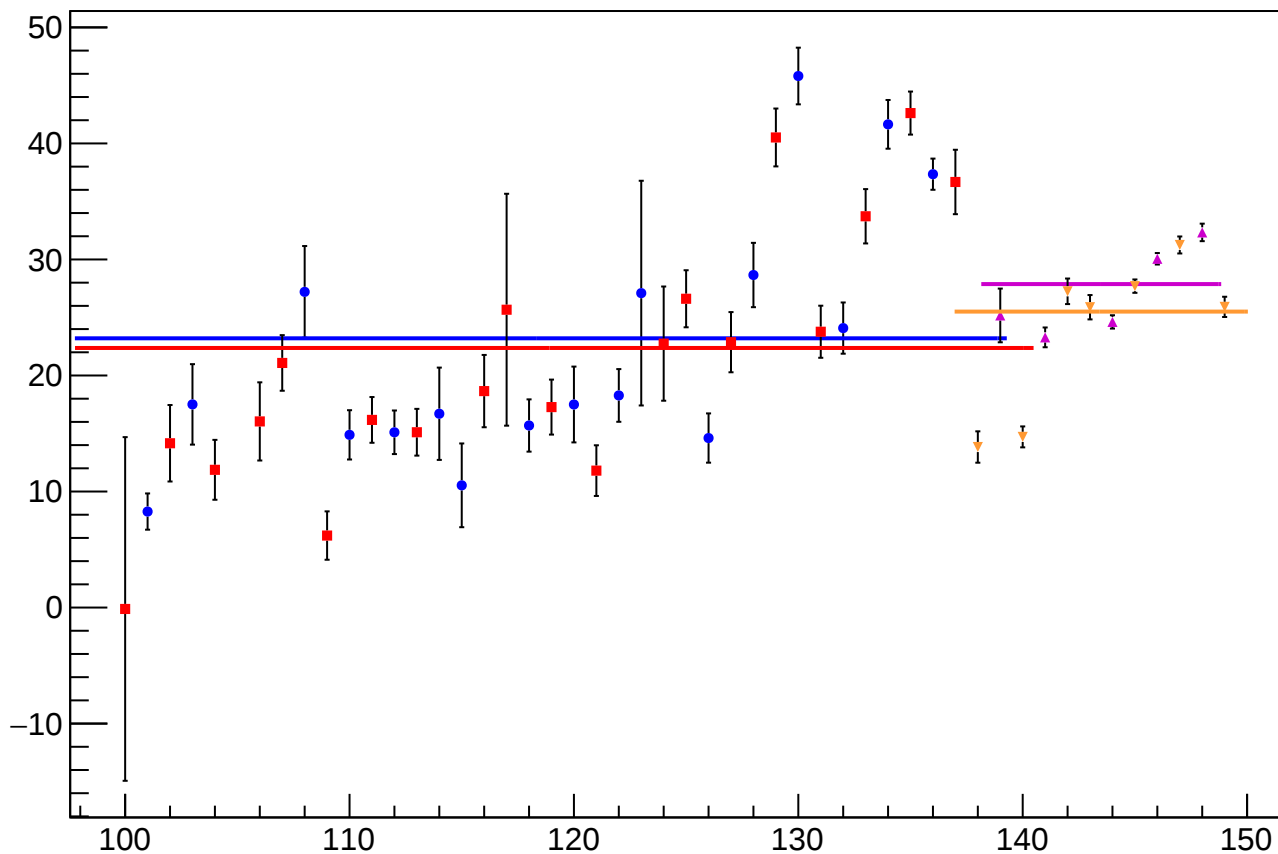
Right Out: -43.025 ± 0.876 $\chi^2/\text{NDF}: 249.7/19$

Left In: -63.217 ± 0.382 $\chi^2/\text{NDF}: 1526.2/4$

-64.957 ± 0.354 $\chi^2/\text{NDF}: 2295.9/23$

-59.987 ± 0.350 $\chi^2/\text{NDF}: 2222.1/24$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205+/-0.559 χ^2/NDF : 457.3/16

Left Out: 25.507+/-0.321 χ^2/NDF :296.5/6

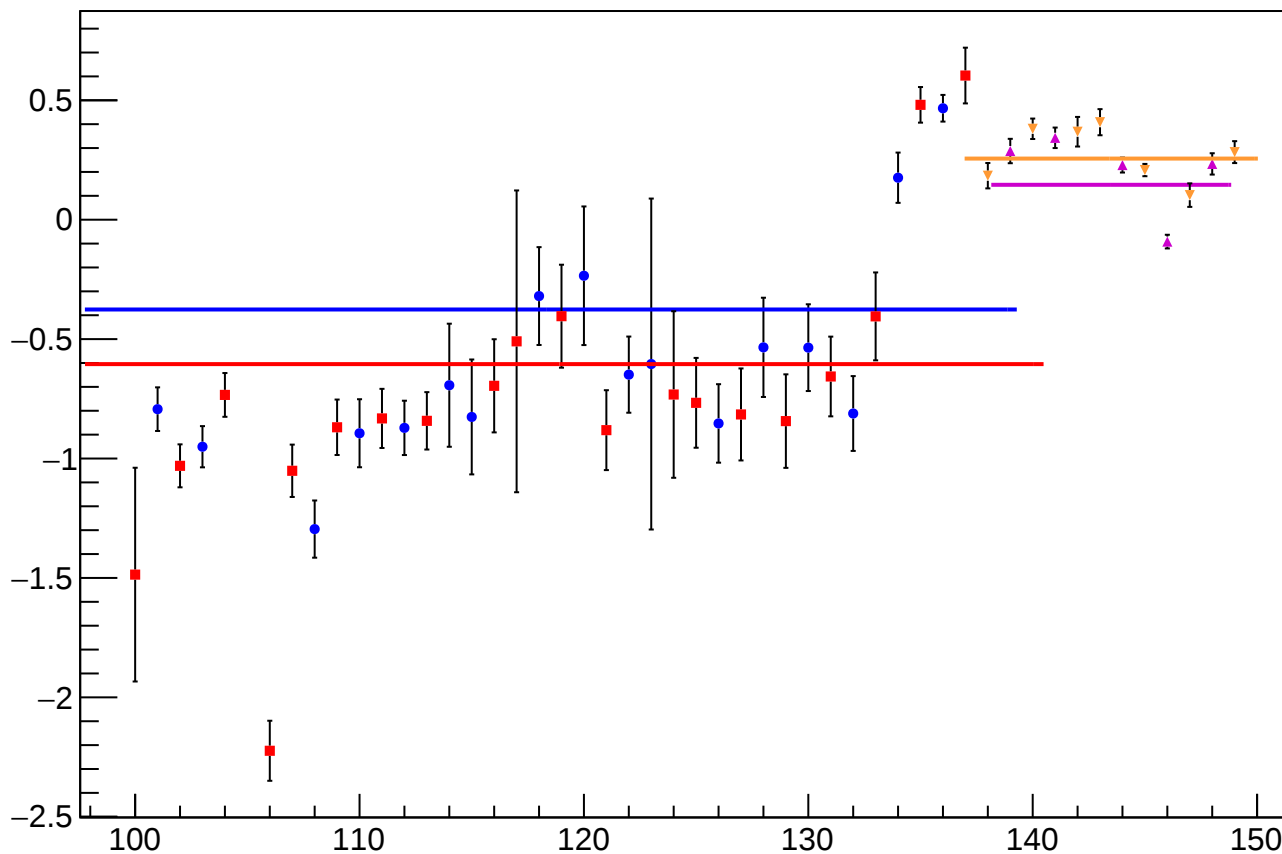
Right Out: 22.372+/-0.572 χ^2/NDF : 367.0/19

Left In: 27.878+/-0.309 χ^2/NDF :116.9/4

24.935+/-0.278 χ^2/NDF : 766.6/23

26.630+/-0.272 χ^2/NDF : 555.7/24

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.256 ± 0.016 $\chi^2/\text{NDF}: 34.9/6$

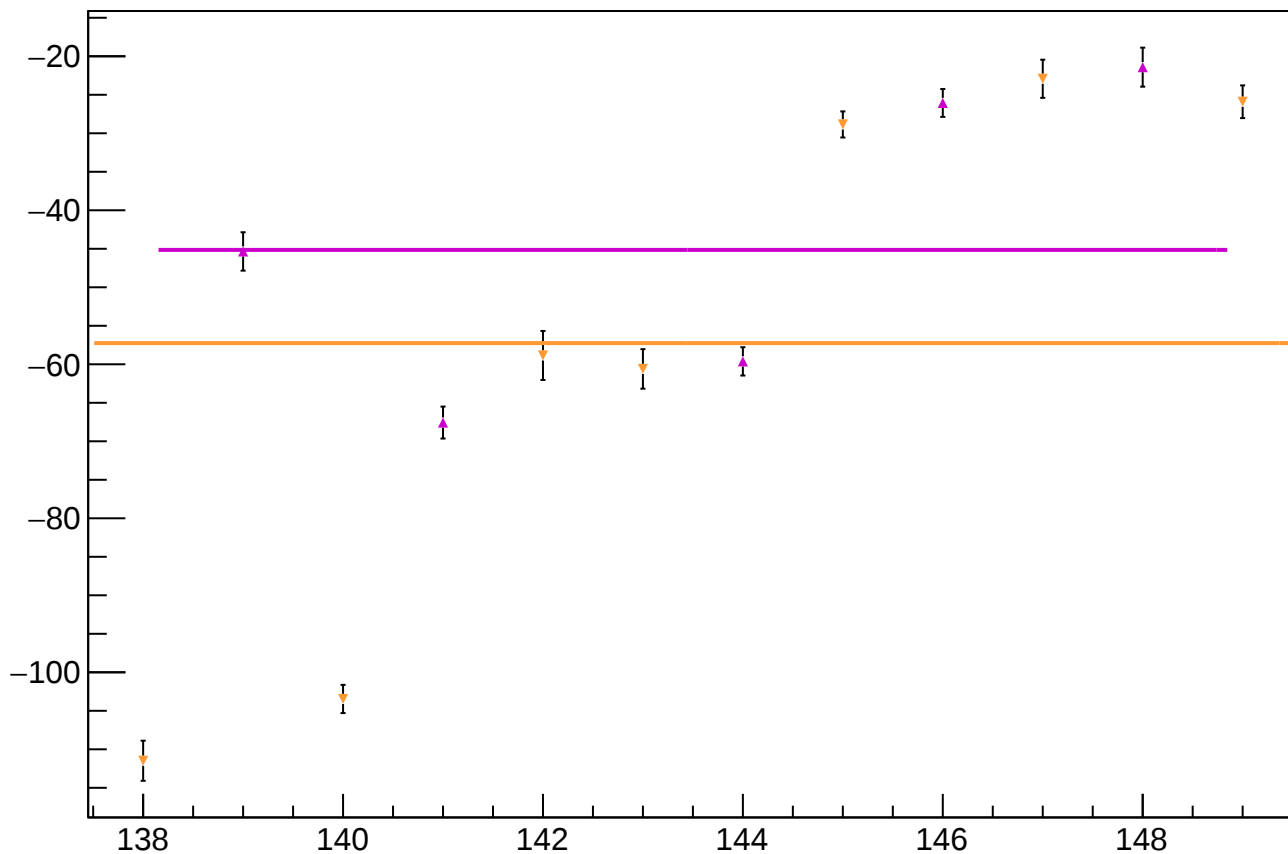
Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

Left In: 0.146 ± 0.017 $\chi^2/\text{NDF}: 108.4/4$

0.116 ± 0.014 $\chi^2/\text{NDF}: 815.1/23$

-0.027 ± 0.014 $\chi^2/\text{NDF}: 1135.6/24$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -57.250 ± 0.837 χ^2/NDF : 1761.9/6

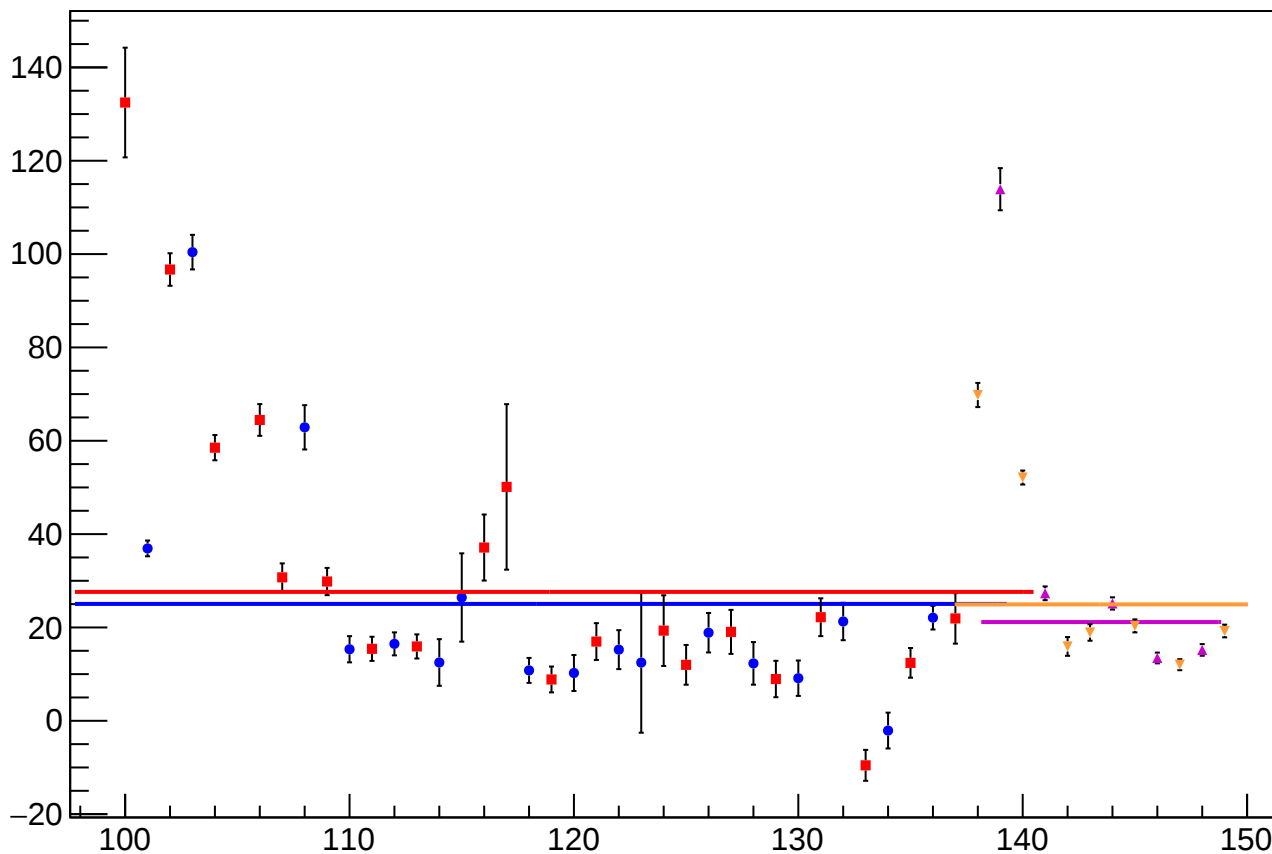
Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -45.145 ± 0.932 χ^2/NDF : 377.8/4

-57.250 ± 0.837 χ^2/NDF : 1761.9/6

-45.145 ± 0.932 χ^2/NDF : 377.8/4

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 24.939 $\pm$ 0.585 χ^2 /NDF: 806.9/6

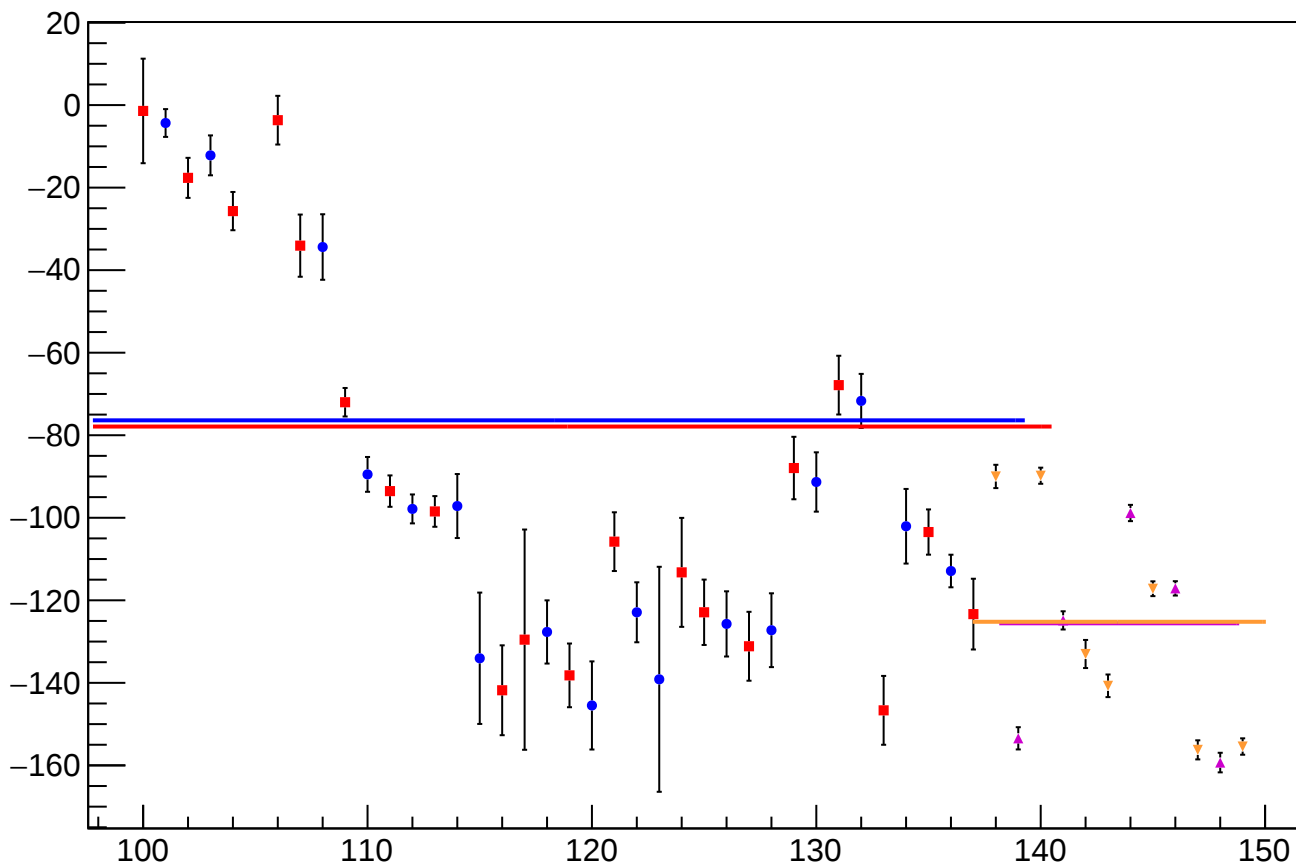
Right Out: 27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

Left In: 21.157 $\pm$ 0.634 χ^2 /NDF: 515.9/4

24.976 $\pm$ 0.473 χ^2 /NDF: 1493.3/23

23.618 $\pm$ 0.499 χ^2 /NDF: 1569.8/24

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 $\pm$ 1.416 χ^2 /NDF: 1031.9/16

Left Out: -125.203 $\pm$ 0.858 χ^2 /NDF: 953.1/6

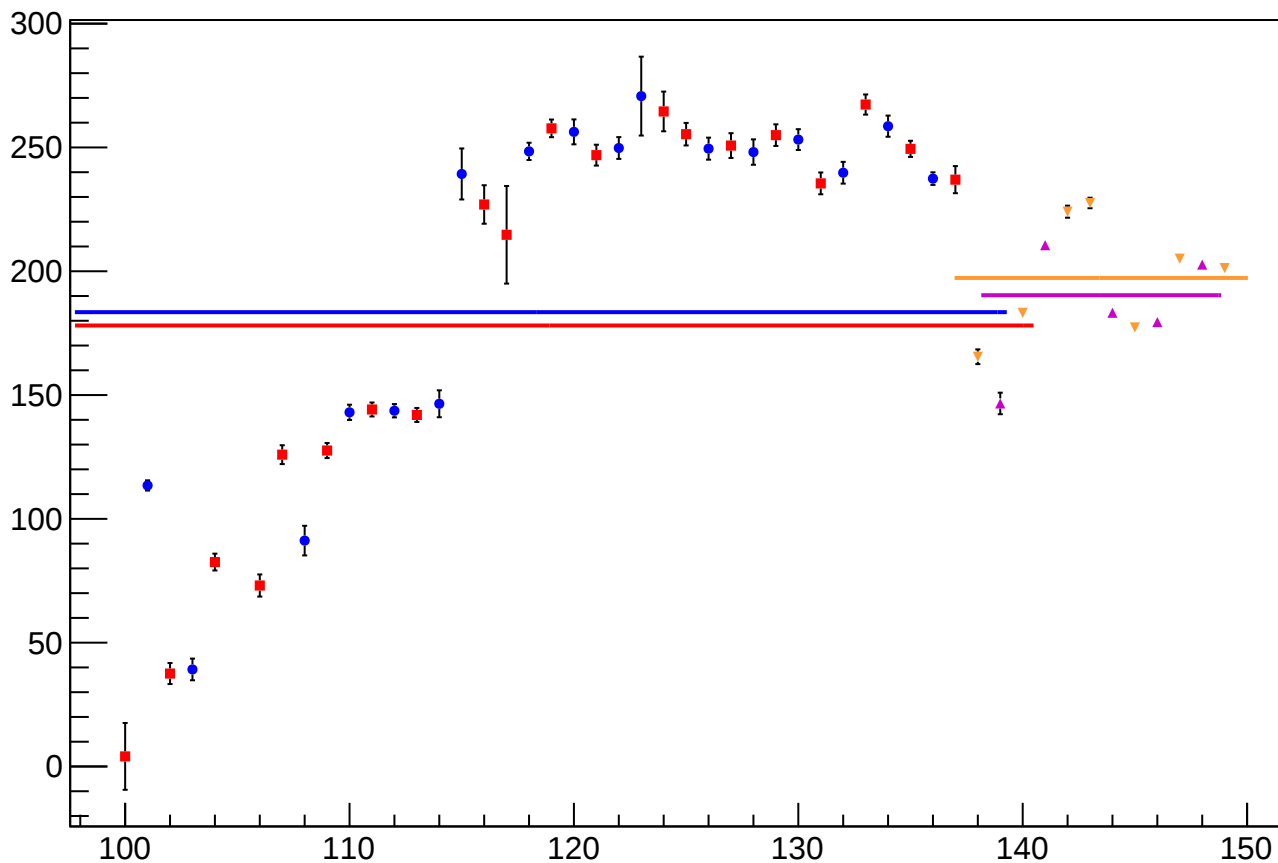
Right Out: -77.894 $\pm$ 1.351 χ^2 /NDF: 876.4/19

Left In: -125.574 $\pm$ 0.950 χ^2 /NDF: 517.0/4

-112.102 $\pm$ 0.734 χ^2 /NDF: 2854.1/23

-109.807 $\pm$ 0.777 χ^2 /NDF: 2226.9/24

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 197.296 $\pm$ 0.717 χ^2 /NDF: 683.2/6

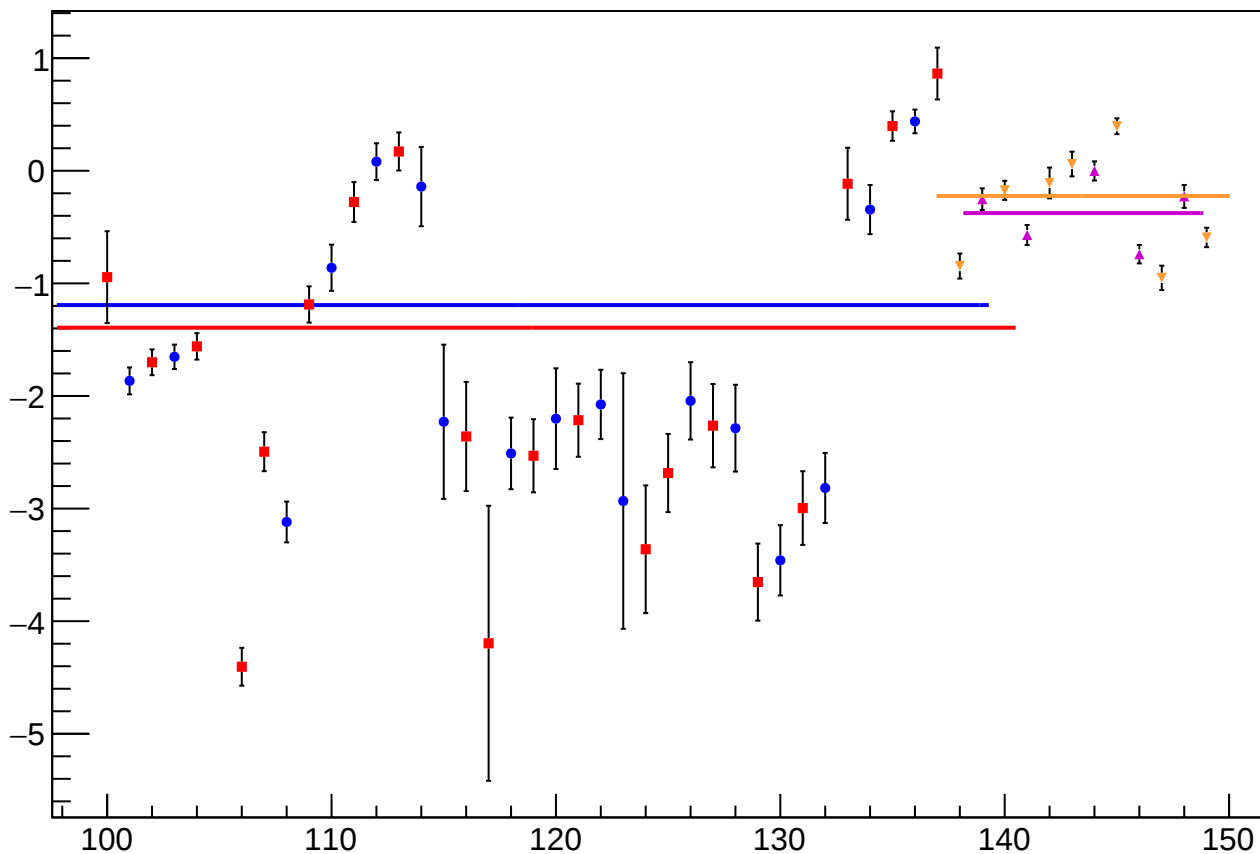
Right Out: 178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

Left In: 190.324 $\pm$ 0.790 χ^2 /NDF: 359.4/4

192.064 $\pm$ 0.565 χ^2 /NDF: 6155.2/23

185.155 $\pm$ 0.600 χ^2 /NDF: 6810.0/24

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.224 ± 0.036 χ^2/NDF : 179.8/6

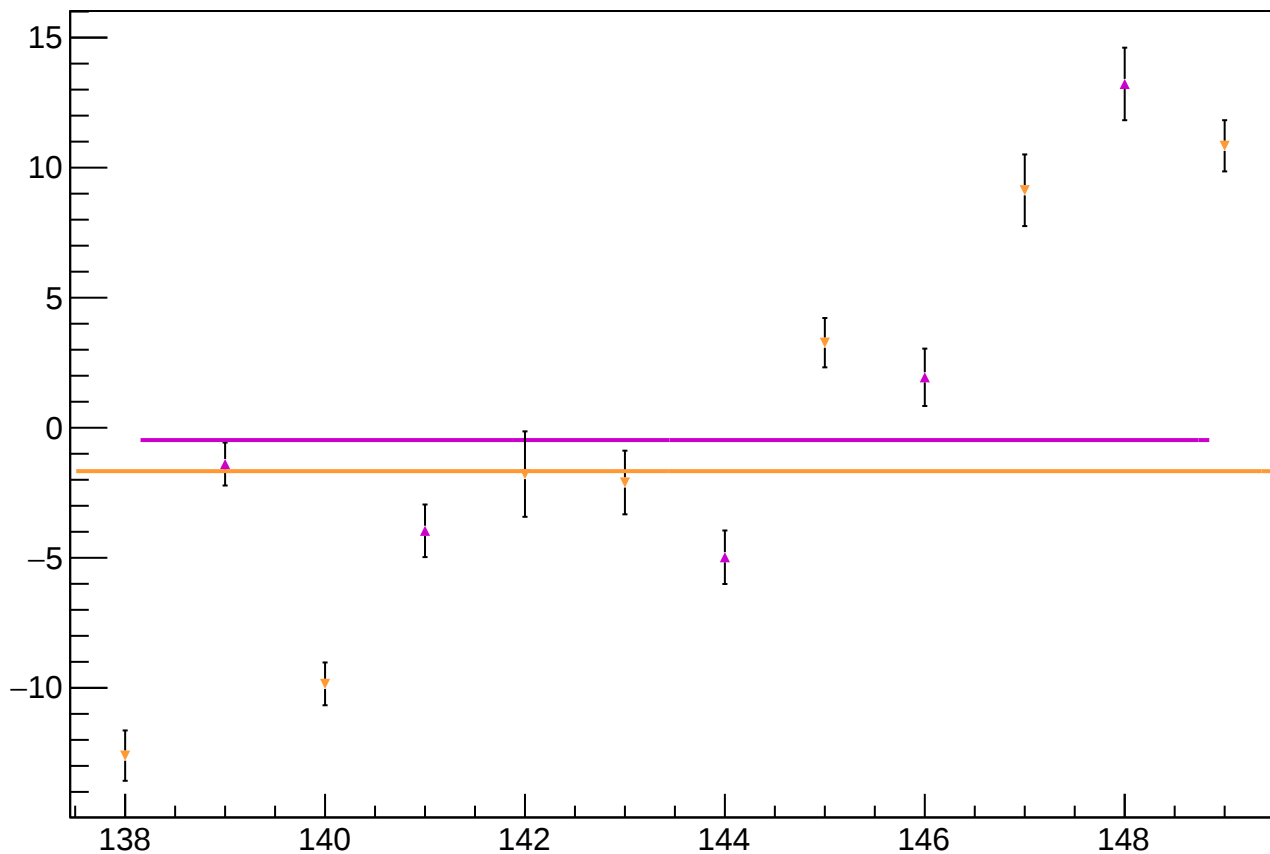
Right Out: -1.393 ± 0.046 χ^2/NDF : 925.8/19

Left In: -0.376 ± 0.040 χ^2/NDF : 48.1/4

-0.569 ± 0.029 χ^2/NDF : 1062.1/23

-0.818 ± 0.030 χ^2/NDF : 1253.3/24

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1.668+/-0.400 χ^2/NDF : 476.7/6

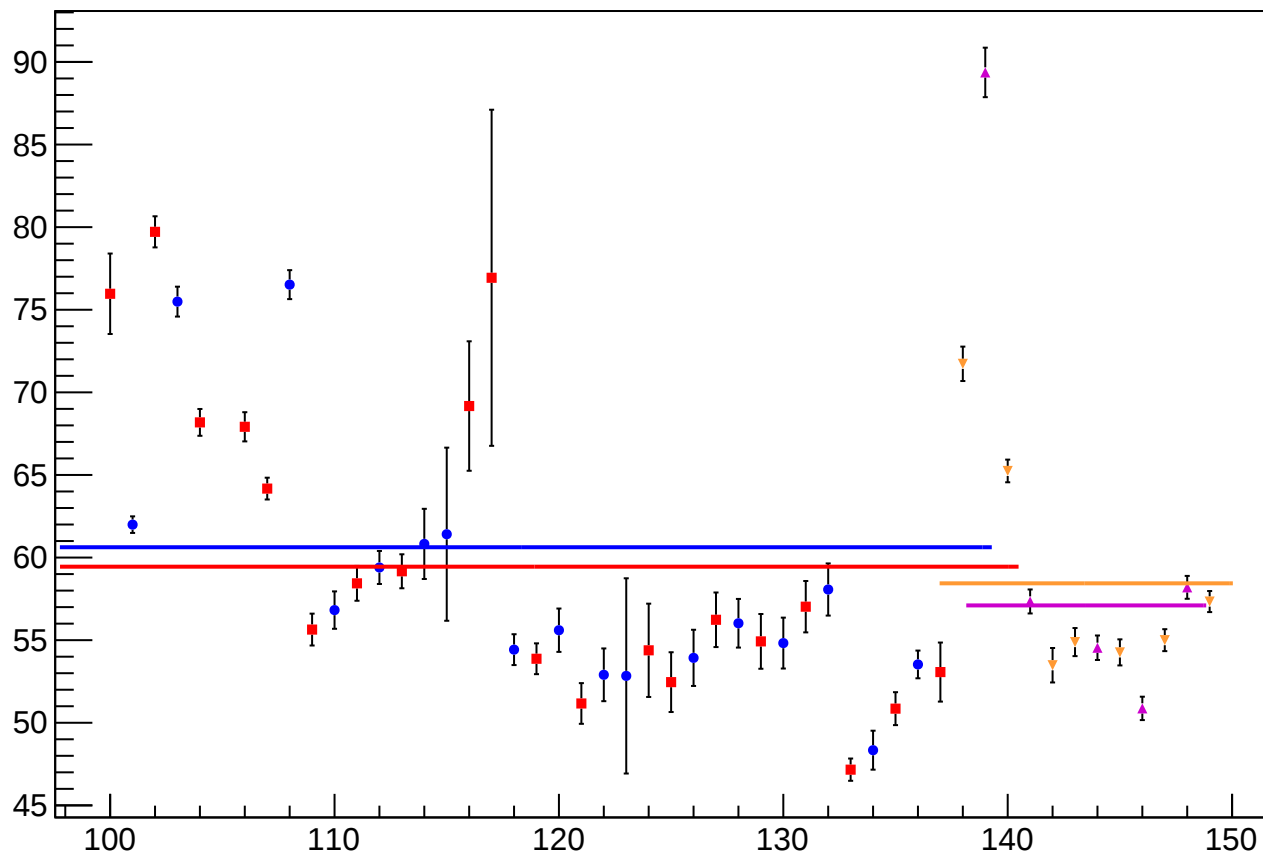
-1.668+/-0.400 χ^2/NDF : 476.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-0.473+/-0.460 χ^2/NDF : 133.5/4

Left In: -0.473+/-0.460 χ^2/NDF : 133.5/4

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 ± 0.263 $\chi^2/\text{NDF}: 924.6/16$

Left Out: 58.440 ± 0.293 $\chi^2/\text{NDF}: 359.0/6$

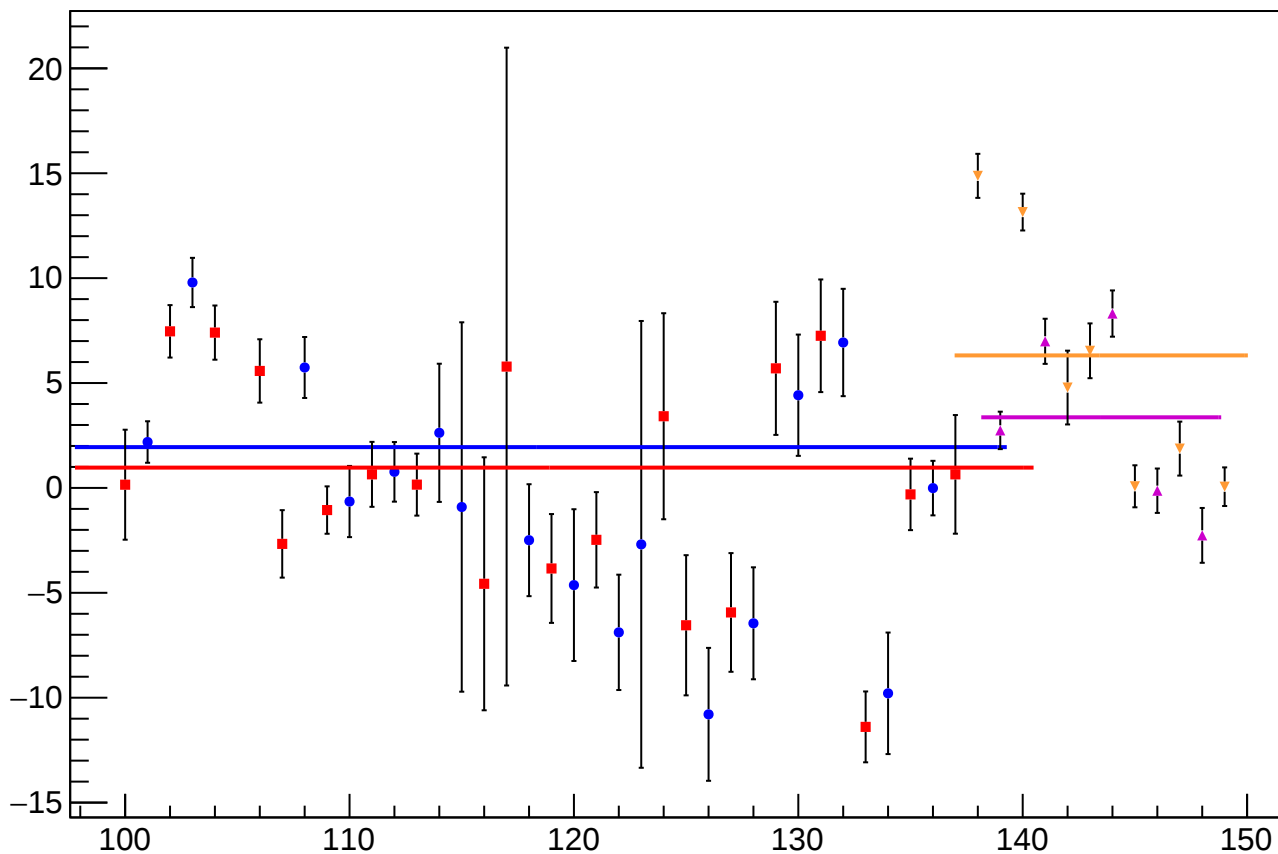
Right Out: 59.448 ± 0.248 $\chi^2/\text{NDF}: 1326.3/19$

Left In: 57.103 ± 0.348 $\chi^2/\text{NDF}: 555.8/4$

59.648 ± 0.196 $\chi^2/\text{NDF}: 1314.4/23$

58.660 ± 0.202 $\chi^2/\text{NDF}: 1912.2/24$

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 6.316 ± 0.412 χ^2/NDF : 224.9/6

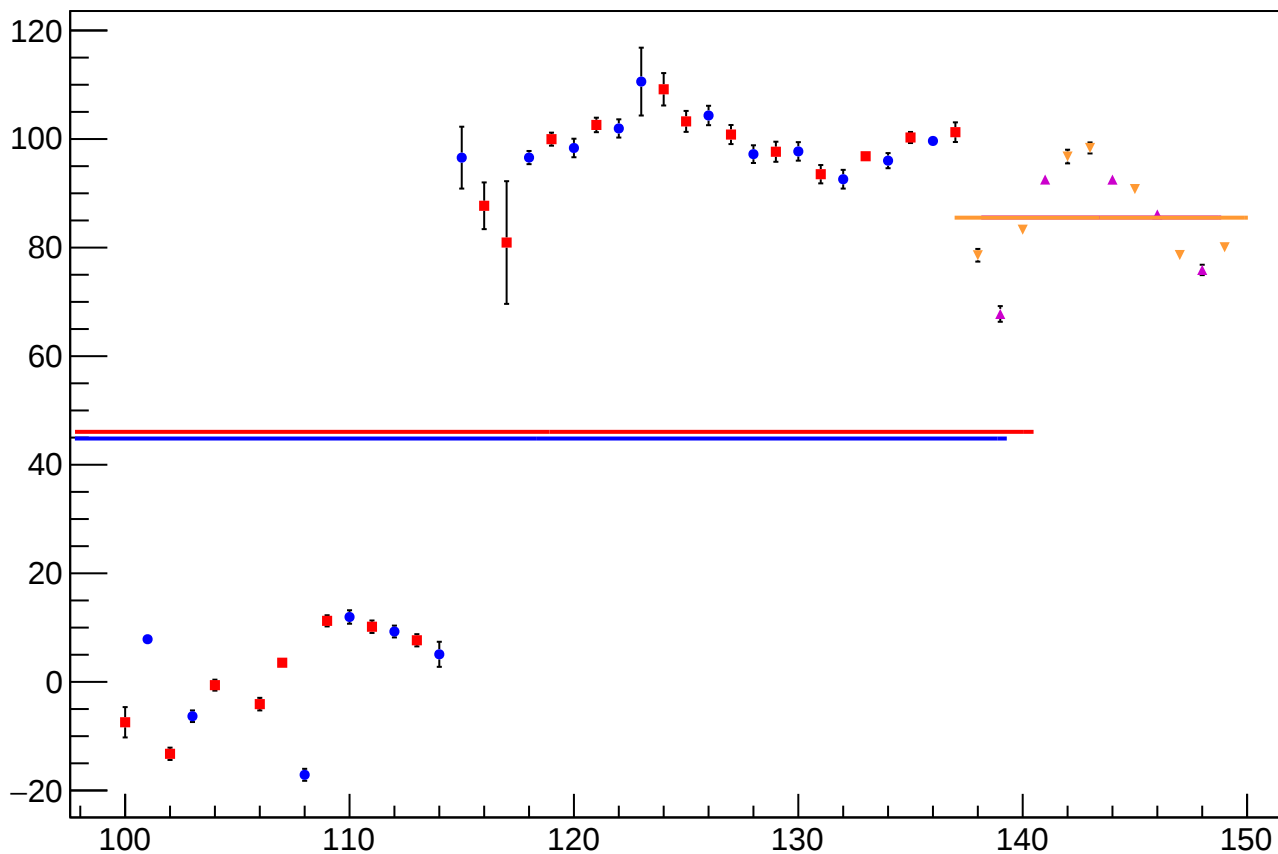
Right Out: 0.968 ± 0.424 χ^2/NDF : 149.6/19

Left In: 3.366 ± 0.476 χ^2/NDF : 61.4/4

4.366 ± 0.306 χ^2/NDF : 395.8/23

2.031 ± 0.317 χ^2/NDF : 225.2/24

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 ± 0.305 χ^2/NDF : 24763.1/16

Left Out: 85.515 ± 0.355 χ^2/NDF : 423.9/6

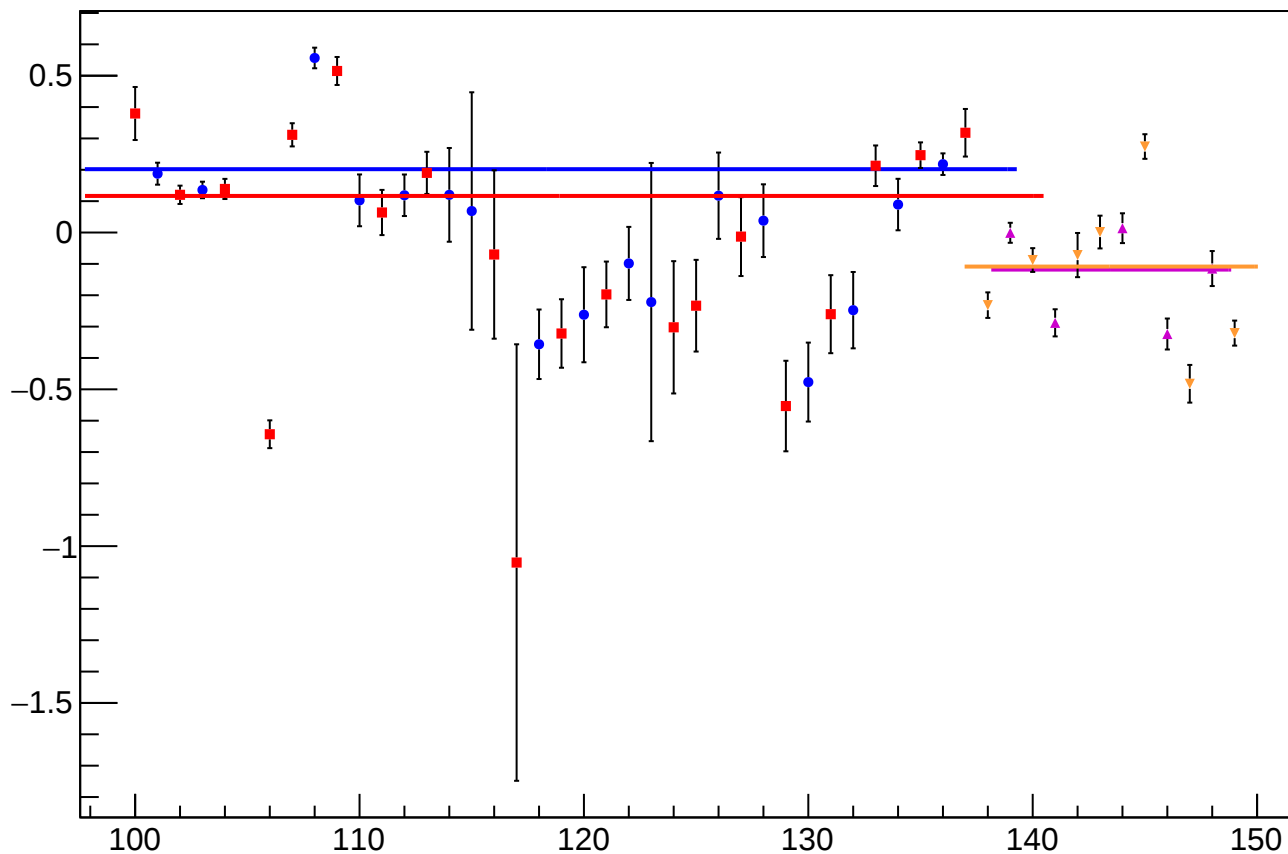
Right Out: 46.062 ± 0.289 χ^2/NDF : 28272.9/19

Left In: 85.545 ± 0.426 χ^2/NDF : 382.3/4

62.091 ± 0.231 χ^2/NDF : 32753.6/23

58.531 ± 0.239 χ^2/NDF : 34534.1/24

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.109 ± 0.017 χ^2/NDF : 176.2/6

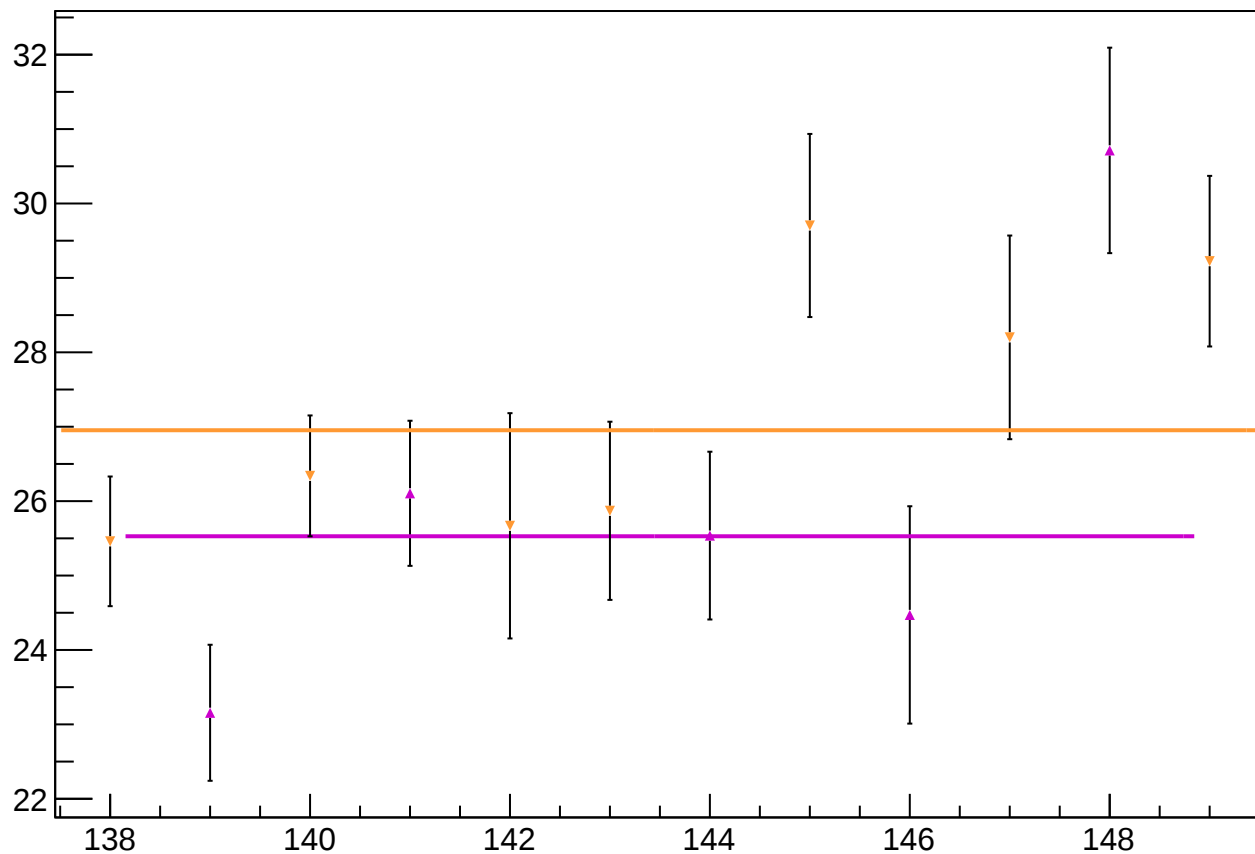
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.118 ± 0.019 χ^2/NDF : 54.0/4

0.077 ± 0.011 χ^2/NDF : 589.0/23

0.043 ± 0.011 χ^2/NDF : 658.3/24

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 26.953 $\pm$ 0.411 χ^2/NDF :14.8/6

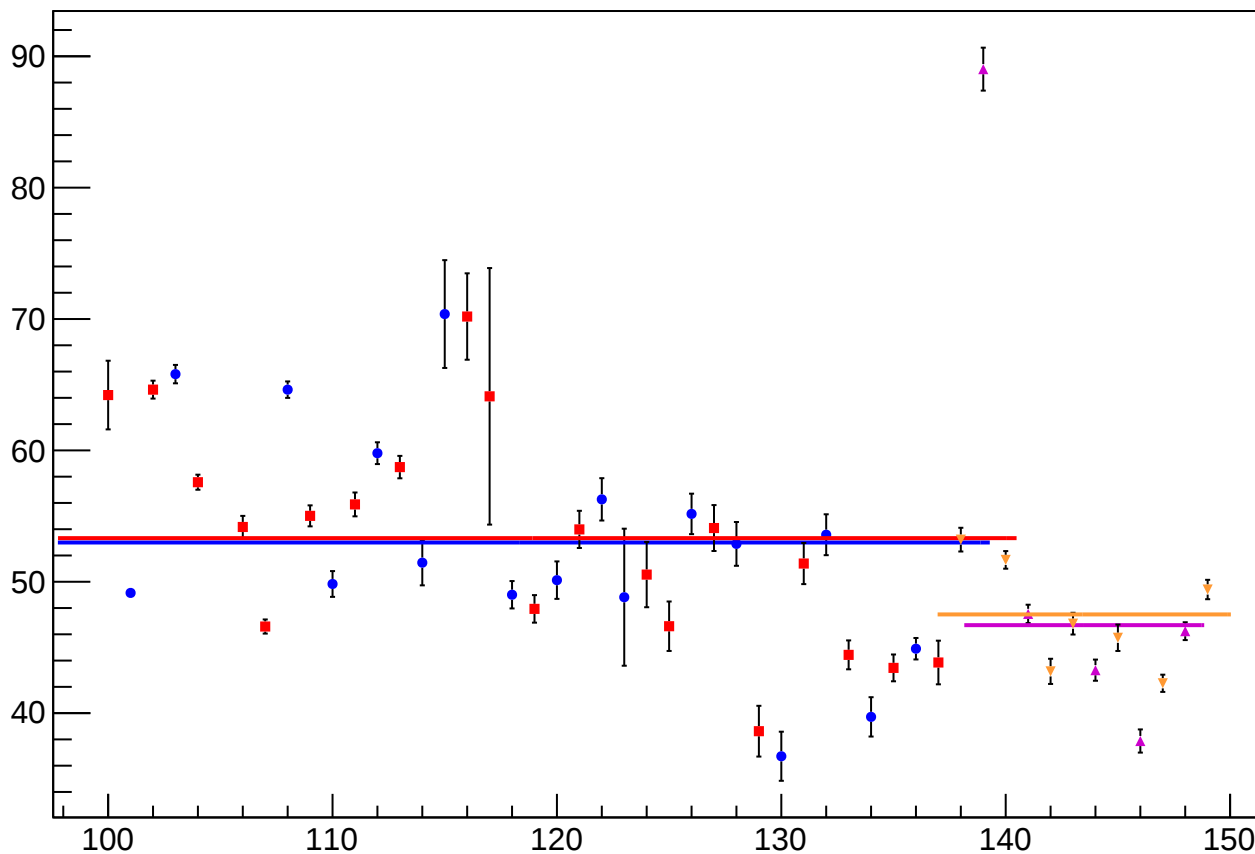
Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 25.528 $\pm$ 0.498 χ^2/NDF :21.7/4

26.953 $\pm$ 0.411 χ^2/NDF : 14.8/6

25.528 $\pm$ 0.498 χ^2/NDF : 21.7/4

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 47.514 $\pm$ 0.299 χ^2 /NDF: 173.0/6

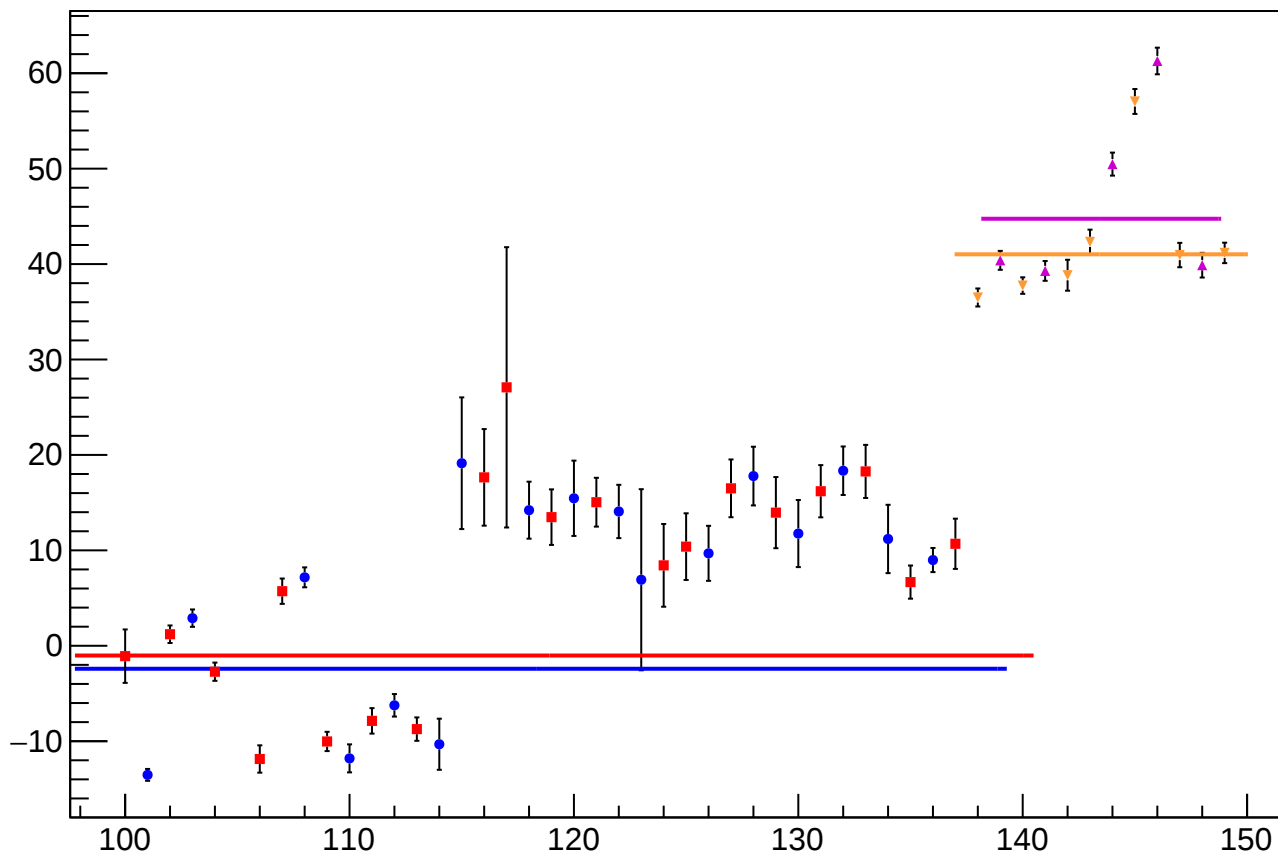
Right Out: 53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

Left In: 46.697 $\pm$ 0.367 χ^2 /NDF: 790.4/4

51.173 $\pm$ 0.172 χ^2 /NDF: 1594.6/23

51.491 $\pm$ 0.193 χ^2 /NDF: 1903.0/24

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 $\chi^2/\text{NDF}: 834.6/16$

Left Out: 41.024 ± 0.426 $\chi^2/\text{NDF}: 190.8/6$

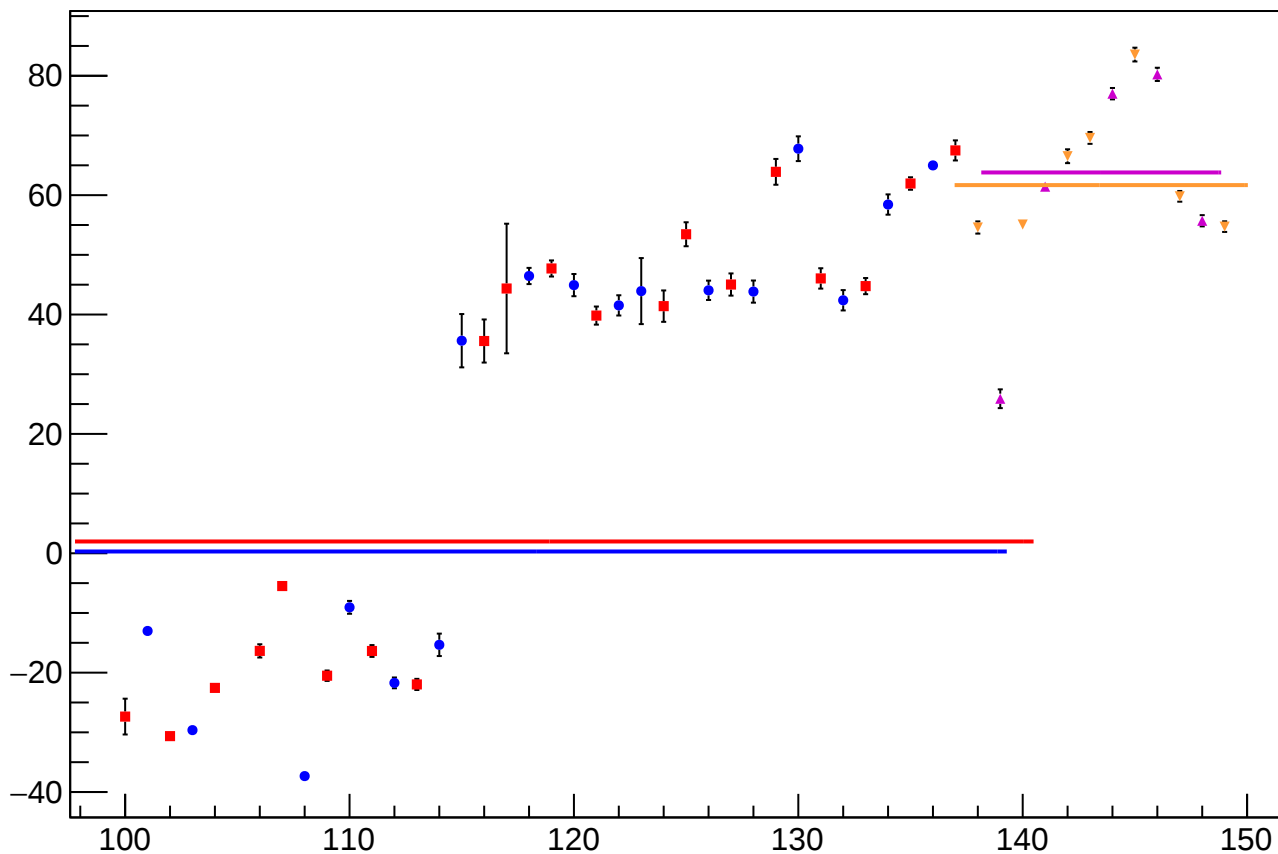
Right Out: -1.021 ± 0.377 $\chi^2/\text{NDF}: 511.2/19$

Left In: 44.749 ± 0.517 $\chi^2/\text{NDF}: 224.2/4$

15.956 ± 0.277 $\chi^2/\text{NDF}: 7034.9/23$

14.882 ± 0.304 $\chi^2/\text{NDF}: 5858.5/24$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 61.685 ± 0.365 χ^2/NDF : 619.2/6

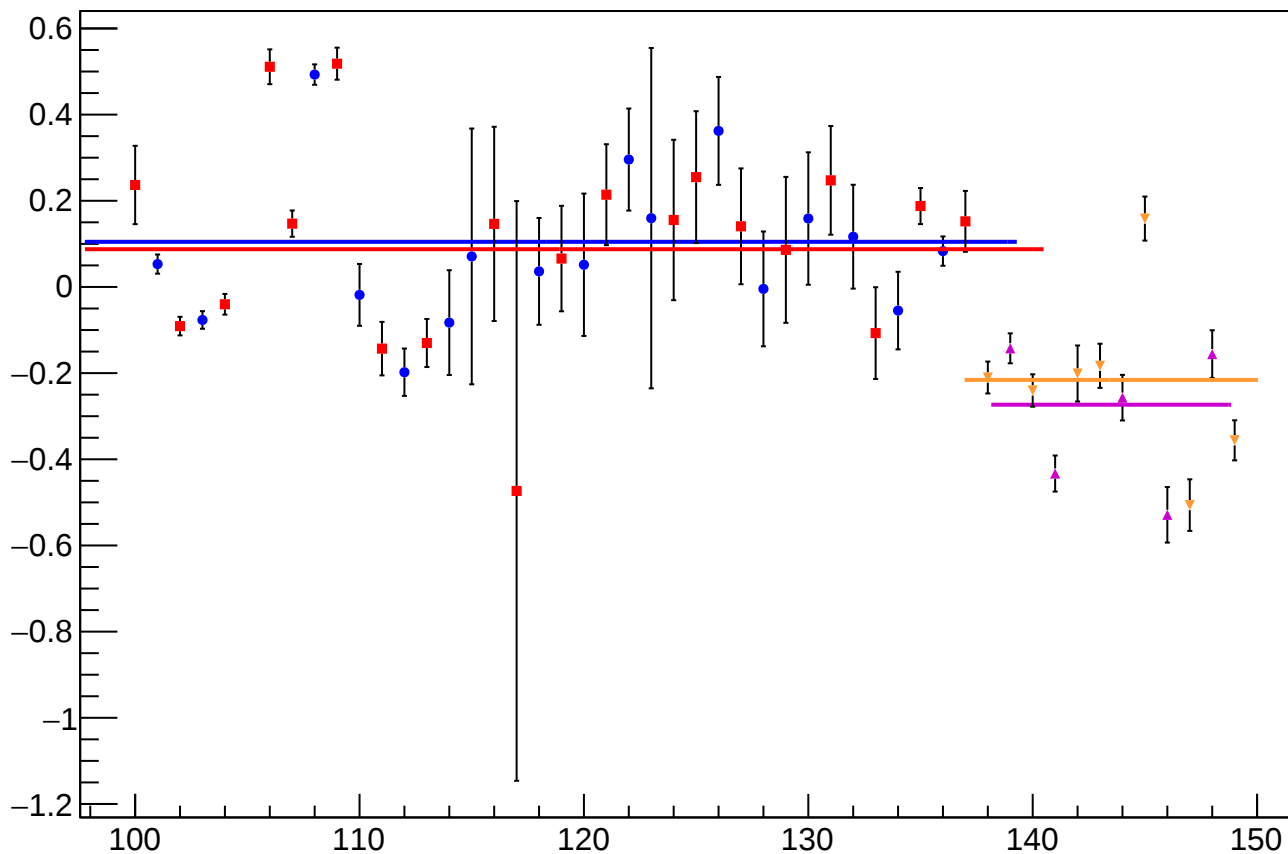
Right Out: 1.978 ± 0.267 χ^2/NDF : 15465.9/19

Left In: 63.803 ± 0.453 χ^2/NDF : 1073.5/4

19.606 ± 0.205 χ^2/NDF : 38237.7/23

17.854 ± 0.230 χ^2/NDF : 30354.1/24

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 $\pm$ 0.011 χ^2 /NDF: 400.8/16

Left Out: -0.216 $\pm$ 0.018 χ^2 /NDF: 87.2/6

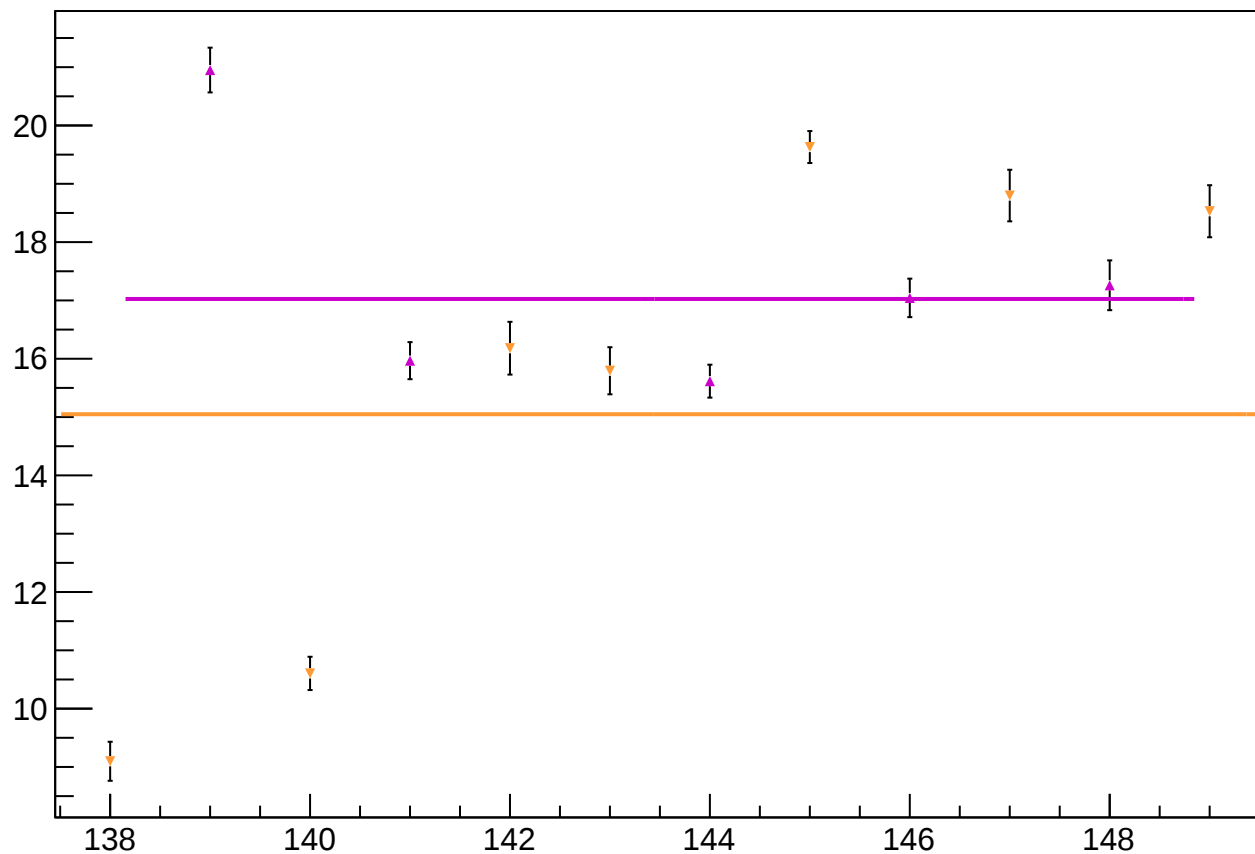
Right Out: 0.088 $\pm$ 0.011 χ^2 /NDF: 391.6/19

Left In: -0.273 $\pm$ 0.021 χ^2 /NDF: 49.1/4

0.015 $\pm$ 0.009 χ^2 /NDF: 723.4/23

0.008 $\pm$ 0.010 χ^2 /NDF: 676.9/24

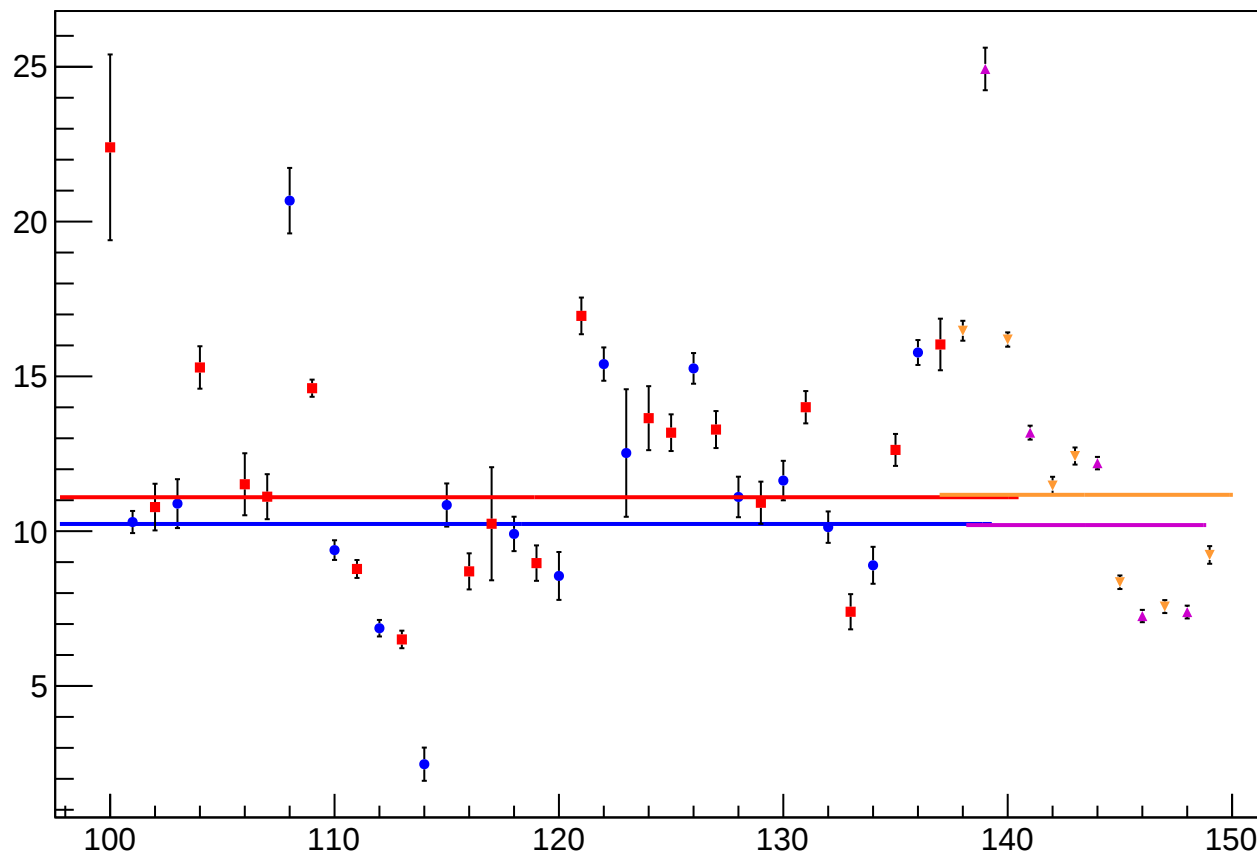
reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 15.049+/-0.134 χ^2/NDF :980.8/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 17.025+/-0.151 χ^2/NDF :141.0/4

15.049+/-0.134 χ^2/NDF : 980.8/6
 17.025+/-0.151 χ^2/NDF : 141.0/4

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232+/-0.119 χ^2/NDF : 876.7/16

Left Out: 11.174+/-0.096 χ^2/NDF :1271.9/6

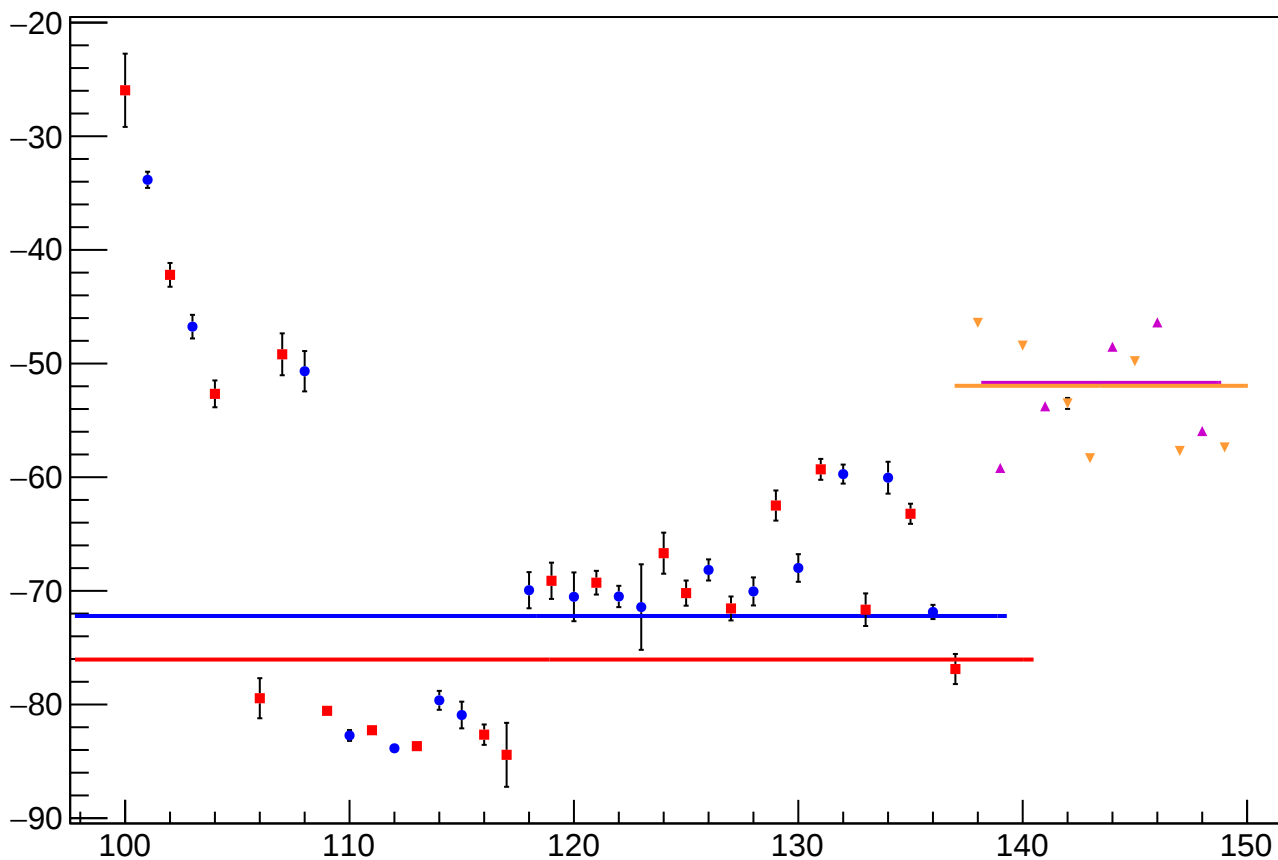
Right Out: 11.096+/-0.116 χ^2/NDF : 818.0/19

Left In: 10.197+/-0.103 χ^2/NDF :1134.9/4

10.807+/-0.075 χ^2/NDF : 2186.6/23

10.591+/-0.077 χ^2/NDF : 1986.7/24

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -51.957+/-0.139 χ^2/NDF : 1013.9/6

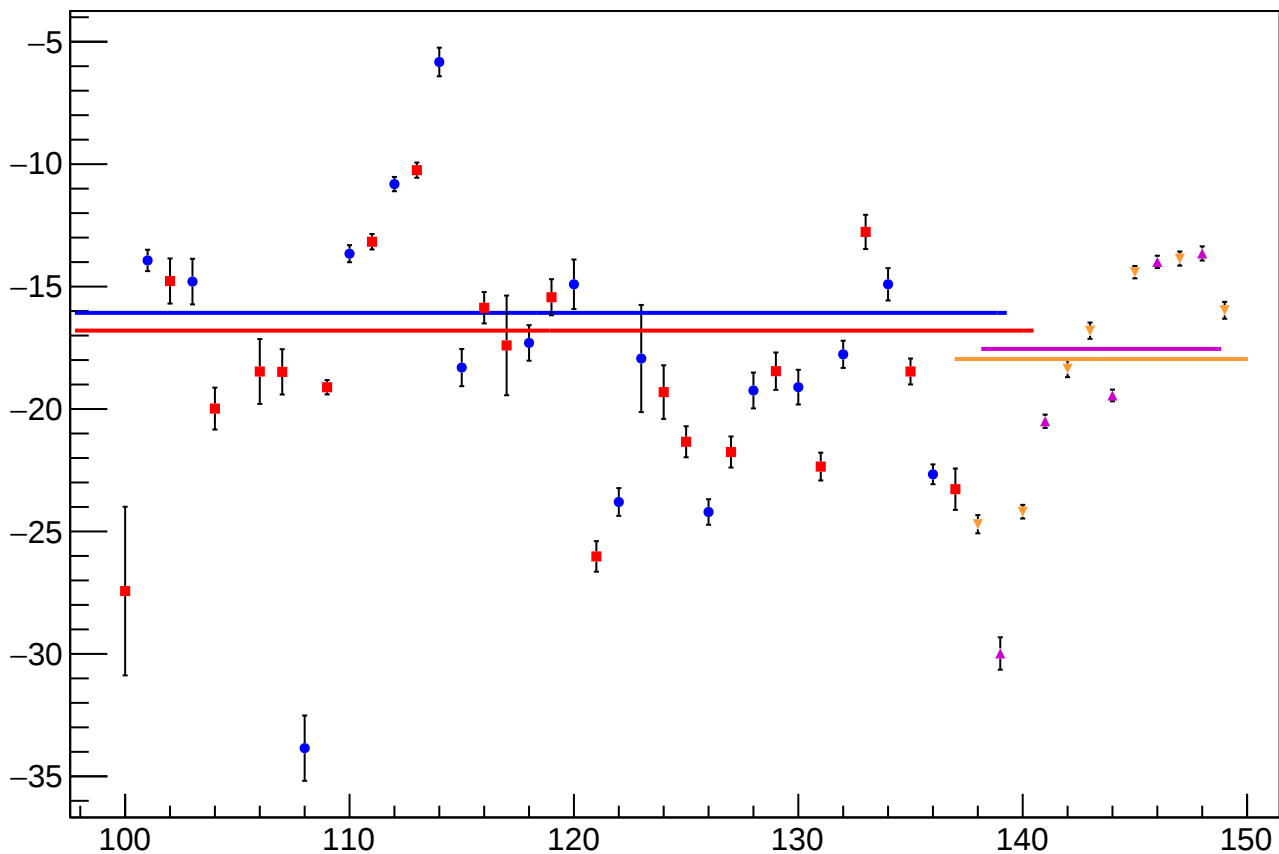
Right Out: -76.044+/-0.181 χ^2/NDF : 3472.2/19

Left In: -51.700+/-0.155 χ^2/NDF : 866.6/4

-58.676+/-0.114 χ^2/NDF : 13573.0/23

-62.015+/-0.118 χ^2/NDF : 14808.0/24

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -17.957 ± 0.117 $\chi^2/\text{NDF}: 1268.5/6$

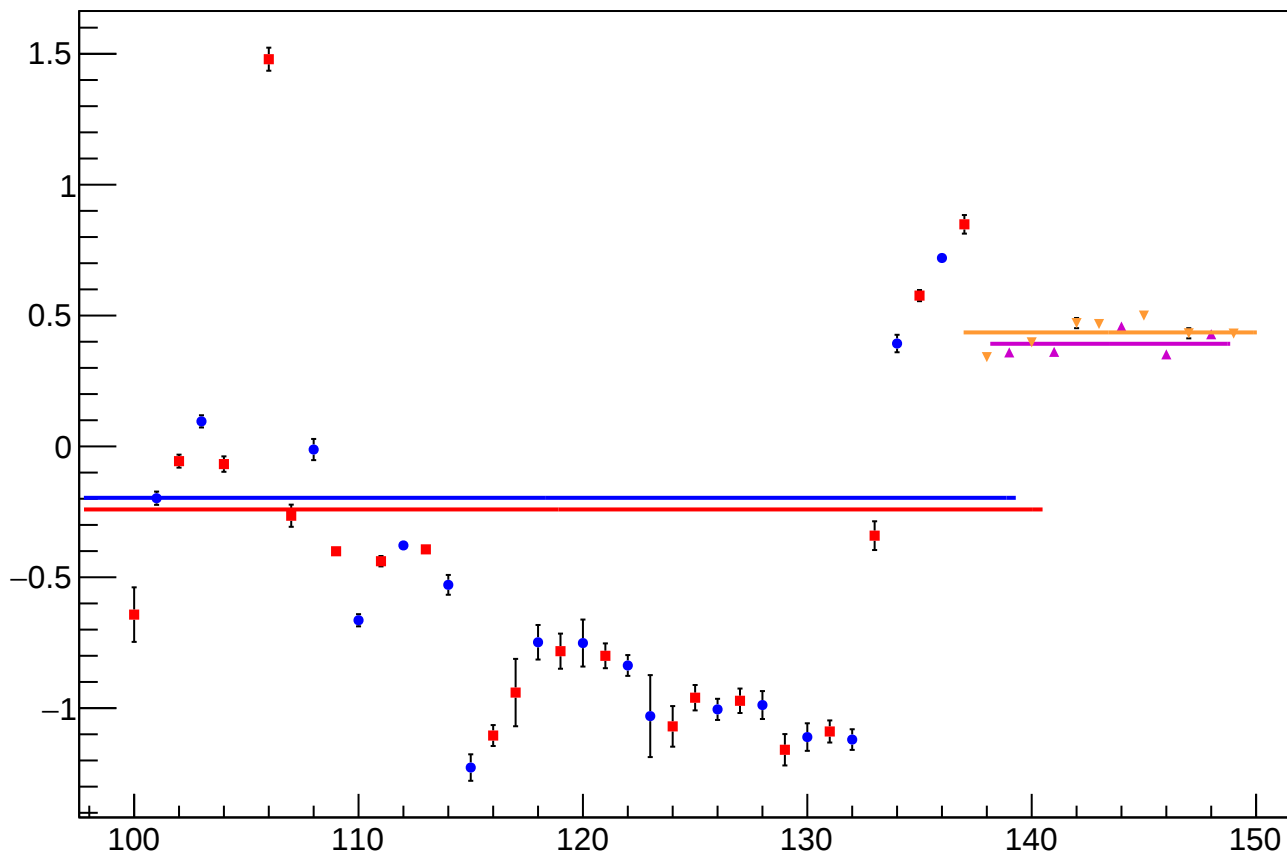
Right Out: -16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

Left In: -17.546 ± 0.128 $\chi^2/\text{NDF}: 912.2/4$

-17.133 ± 0.088 $\chi^2/\text{NDF}: 3022.8/23$

-17.170 ± 0.091 $\chi^2/\text{NDF}: 2145.4/24$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 $\chi^2/\text{NDF}: 6323.5/16$

Left Out: 0.436 ± 0.006 $\chi^2/\text{NDF}: 89.3/6$

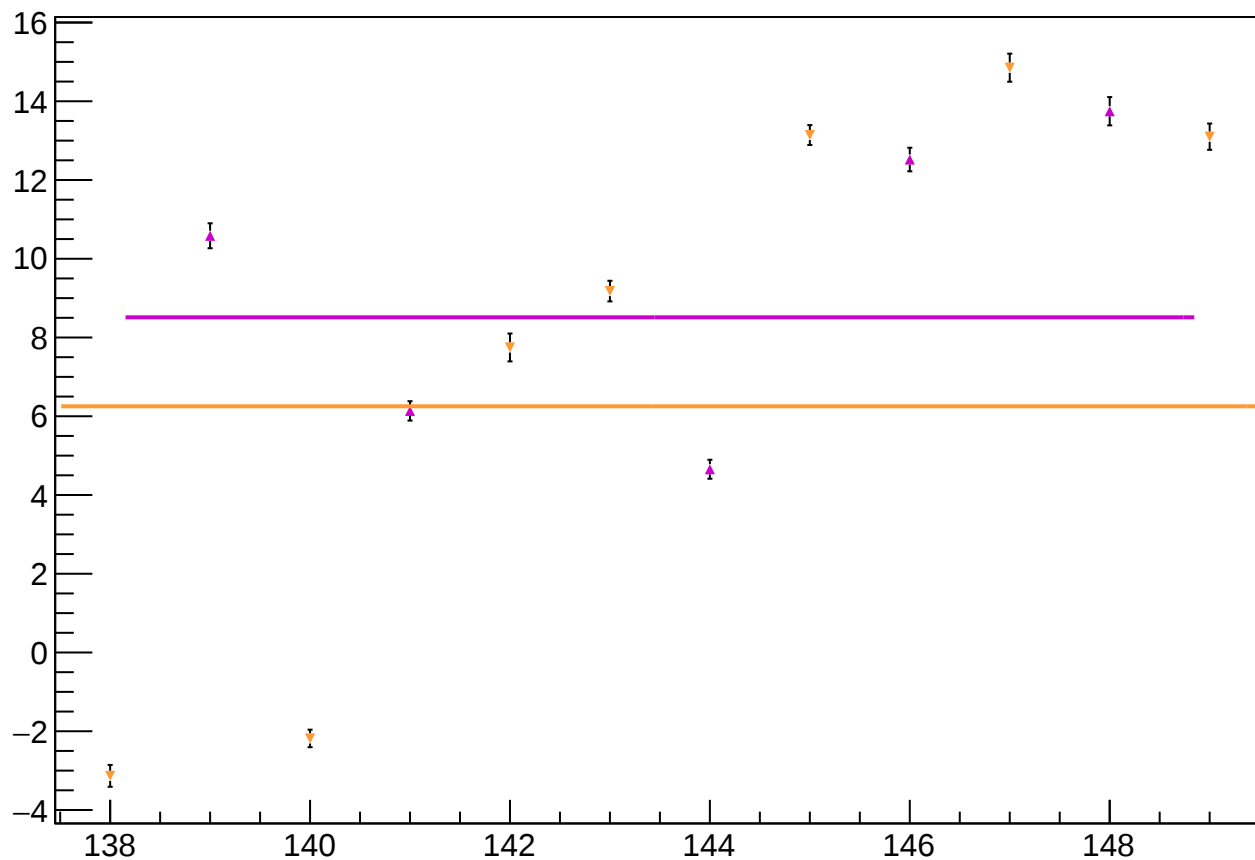
Right Out: -0.241 ± 0.007 $\chi^2/\text{NDF}: 6218.3/19$

Left In: 0.392 ± 0.006 $\chi^2/\text{NDF}: 47.4/4$

0.201 ± 0.005 $\chi^2/\text{NDF}: 10825.1/23$

0.108 ± 0.005 $\chi^2/\text{NDF}: 10559.5/24$

reg_asym_sam8_diff_bpm1X_slope vs Slug

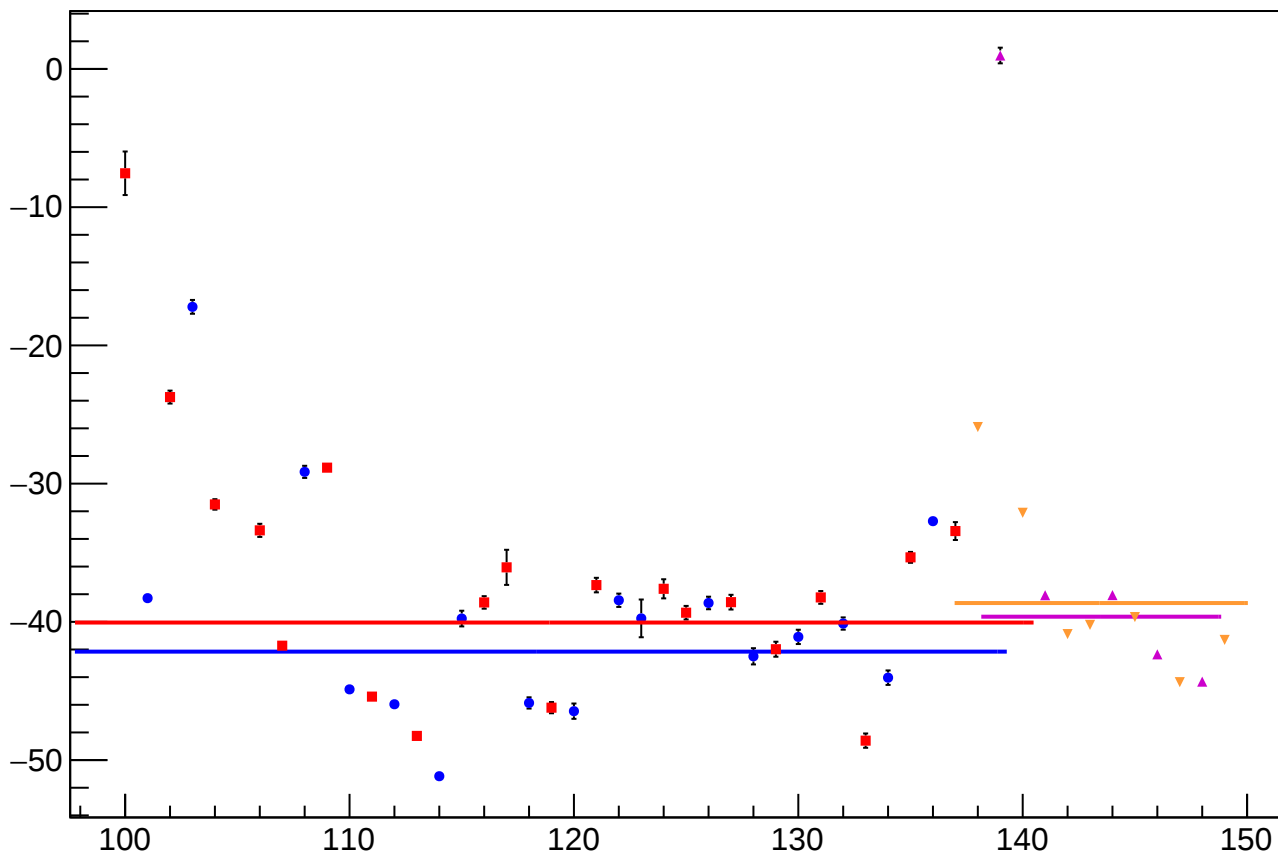


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 6.253+/-0.106 χ^2/NDF : 4469.3/6
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 8.513+/-0.126 χ^2/NDF : 782.7/4

6.253+/-0.106 χ^2/NDF : 4469.3/6

8.513+/-0.126 χ^2/NDF : 782.7/4

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.638 ± 0.075 χ^2/NDF : 5033.2/6

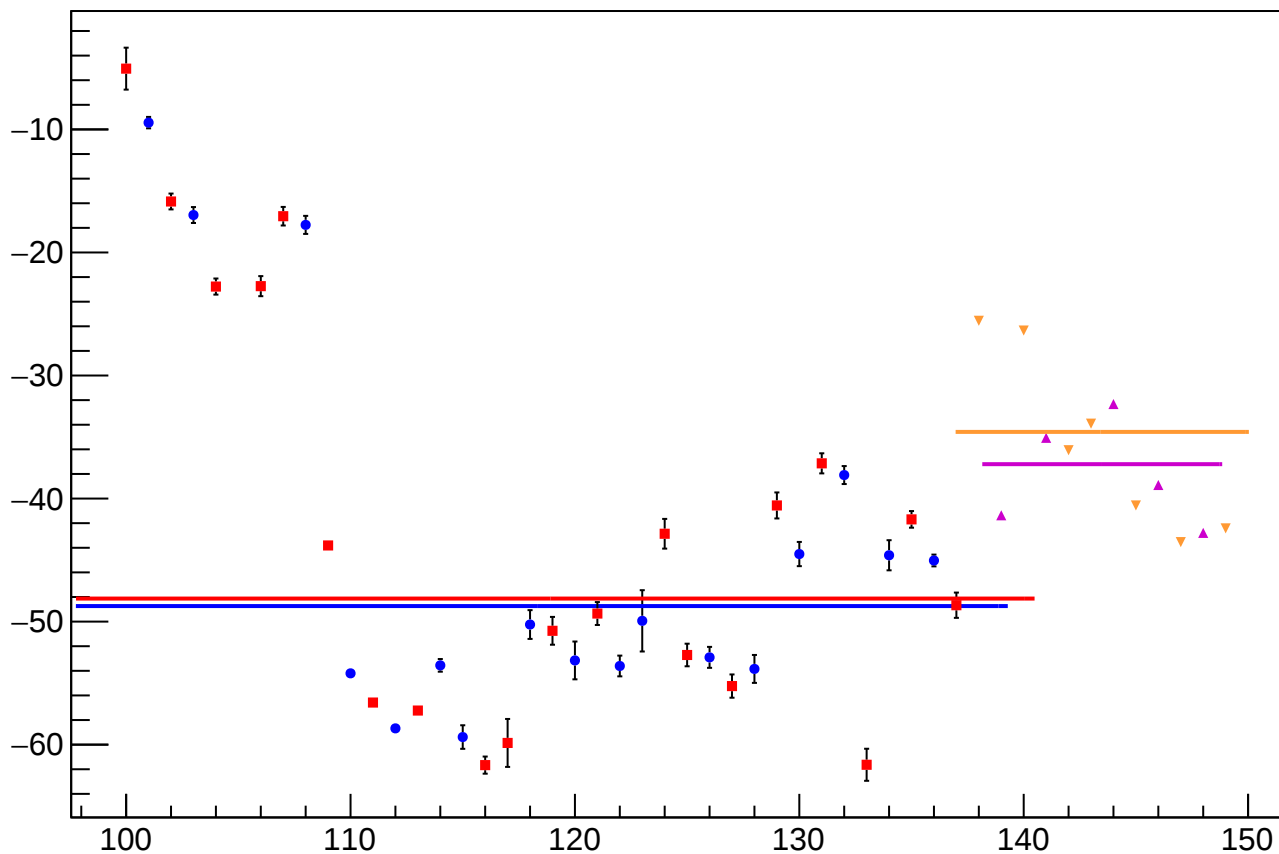
Right Out: -40.049 ± 0.073 χ^2/NDF : 11332.1/19

Left In: -39.626 ± 0.087 χ^2/NDF : 6219.1/4

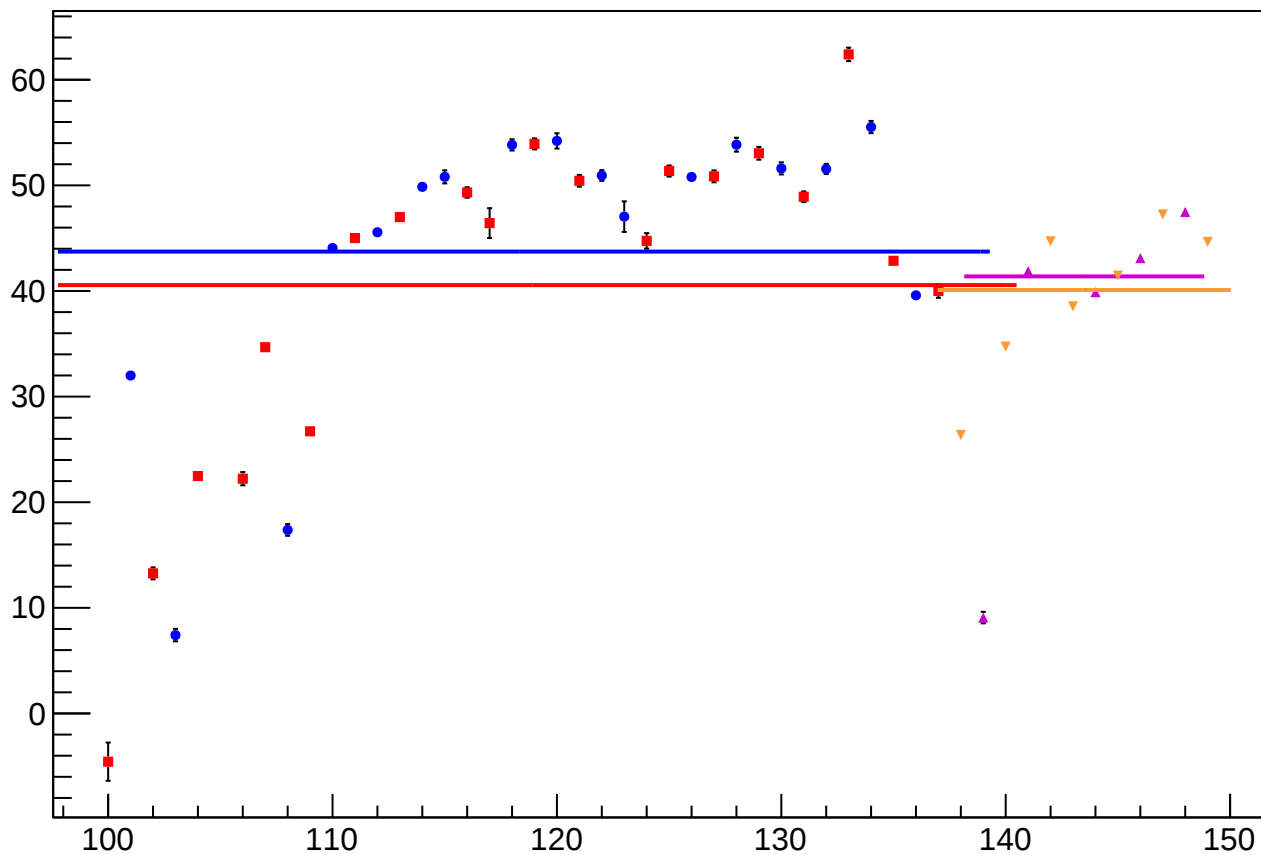
-40.337 ± 0.054 χ^2/NDF : 12639.7/23

-39.876 ± 0.056 χ^2/NDF : 17565.1/24

reg_asym_sam8_diff_bpm4eX_slope vs Slug



reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.093 $\pm$ 0.092 χ^2/NDF : 4177.1/6

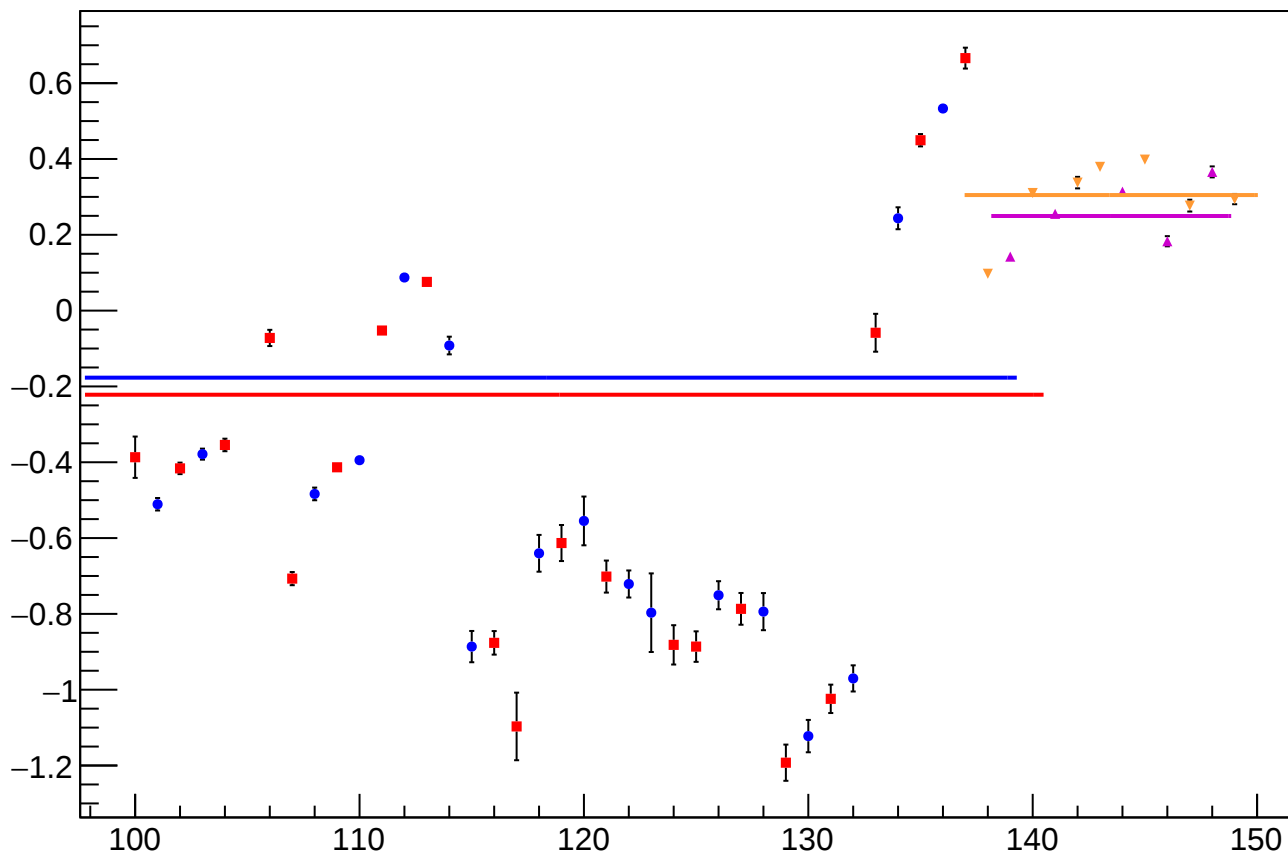
Right Out: 40.556 $\pm$ 0.080 χ^2/NDF : 17618.6/19

Left In: 41.380 $\pm$ 0.109 χ^2/NDF : 4245.7/4

42.021 $\pm$ 0.063 χ^2/NDF : 15569.5/23

40.847 $\pm$ 0.064 χ^2/NDF : 21901.6/24

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177±0.005 χ^2/NDF : 7364.7/16

Left Out: 0.305±0.005 χ^2/NDF : 433.6/6

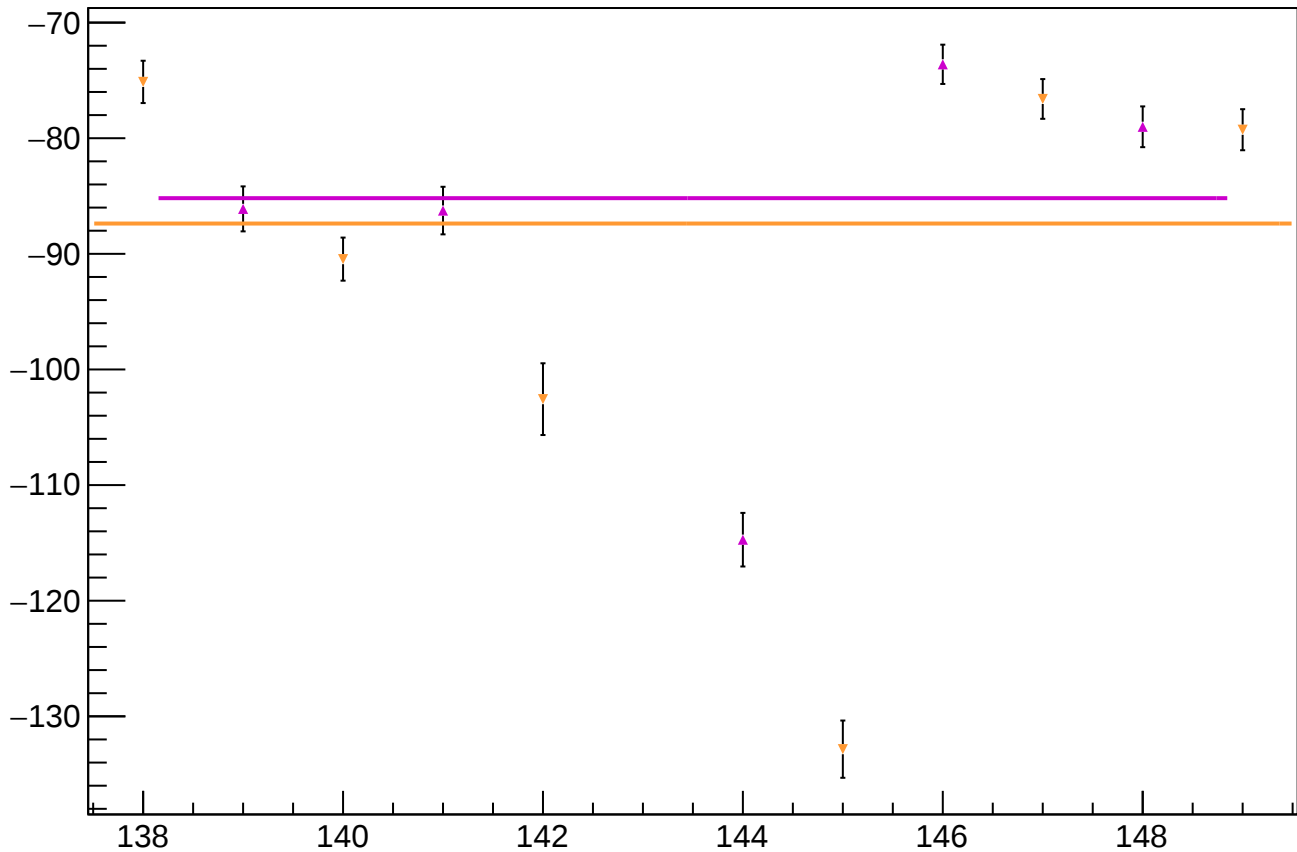
Right Out: -0.222±0.004 χ^2/NDF : 7527.0/19

Left In: 0.250±0.005 χ^2/NDF : 201.6/4

0.076±0.003 χ^2/NDF : 13001.2/23

-0.040±0.003 χ^2/NDF : 12376.4/24

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -87.379+/-0.814 χ^2/NDF : 468.9/5

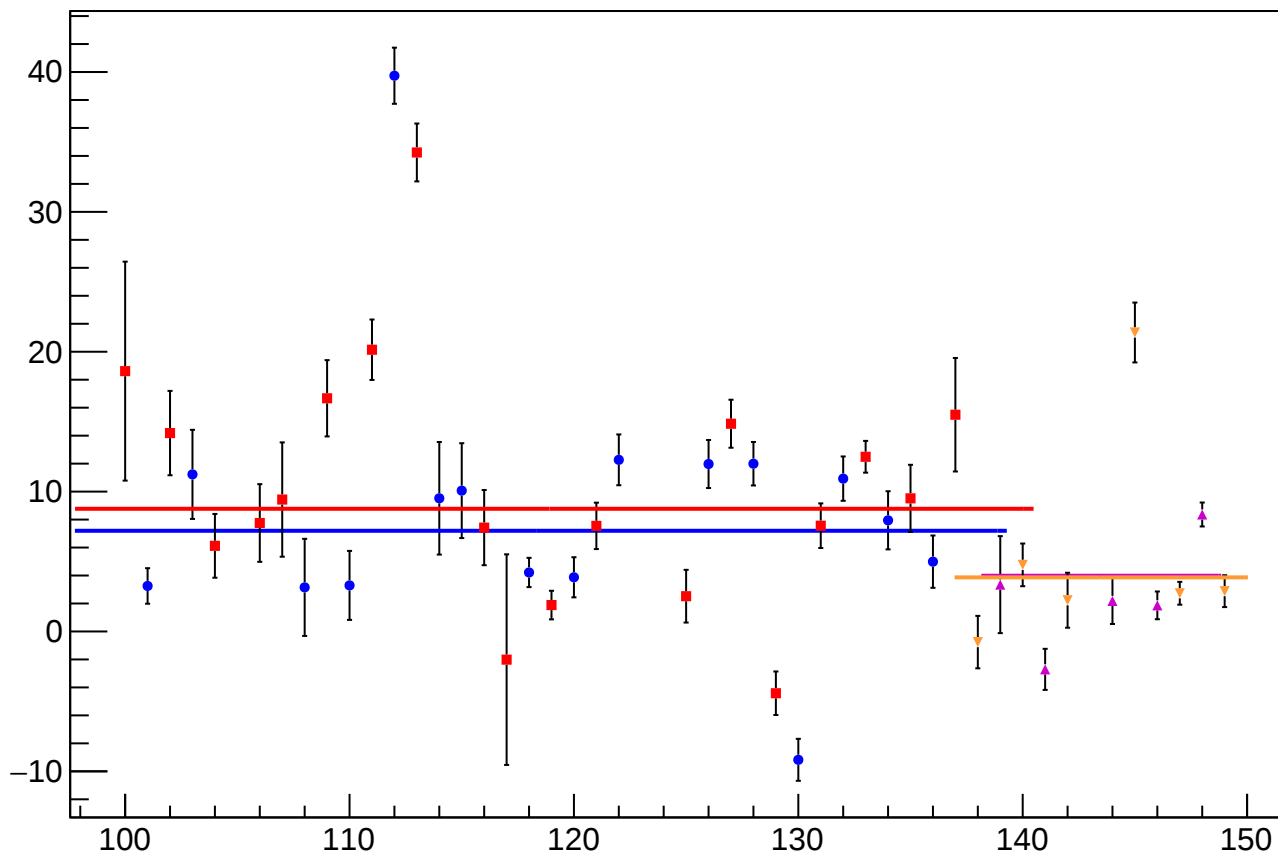
-87.379+/-0.814 χ^2/NDF : 468.9/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-85.185+/-0.859 χ^2/NDF : 221.6/4

Left In: -85.185+/-0.859 χ^2/NDF : 221.6/4

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 3.867 ± 0.537 χ^2/NDF : 76.8/5

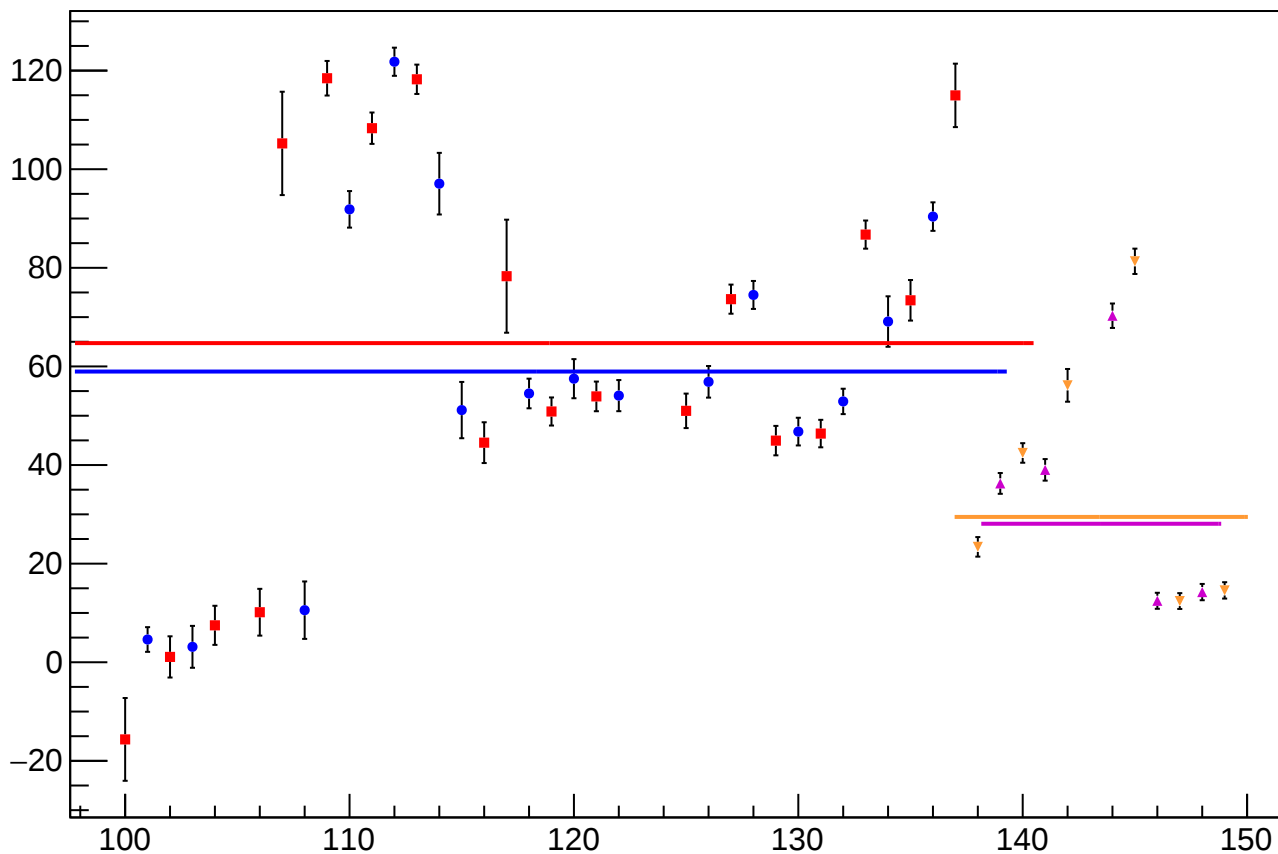
Right Out: 8.772 ± 0.447 χ^2/NDF : 351.7/18

Left In: 3.984 ± 0.551 χ^2/NDF : 52.7/4

5.863 ± 0.340 χ^2/NDF : 543.6/21

6.871 ± 0.347 χ^2/NDF : 450.0/23

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 ± 0.837 χ^2/NDF : 1496.5/15

Left Out: 29.476 ± 0.816 χ^2/NDF : 717.5/5

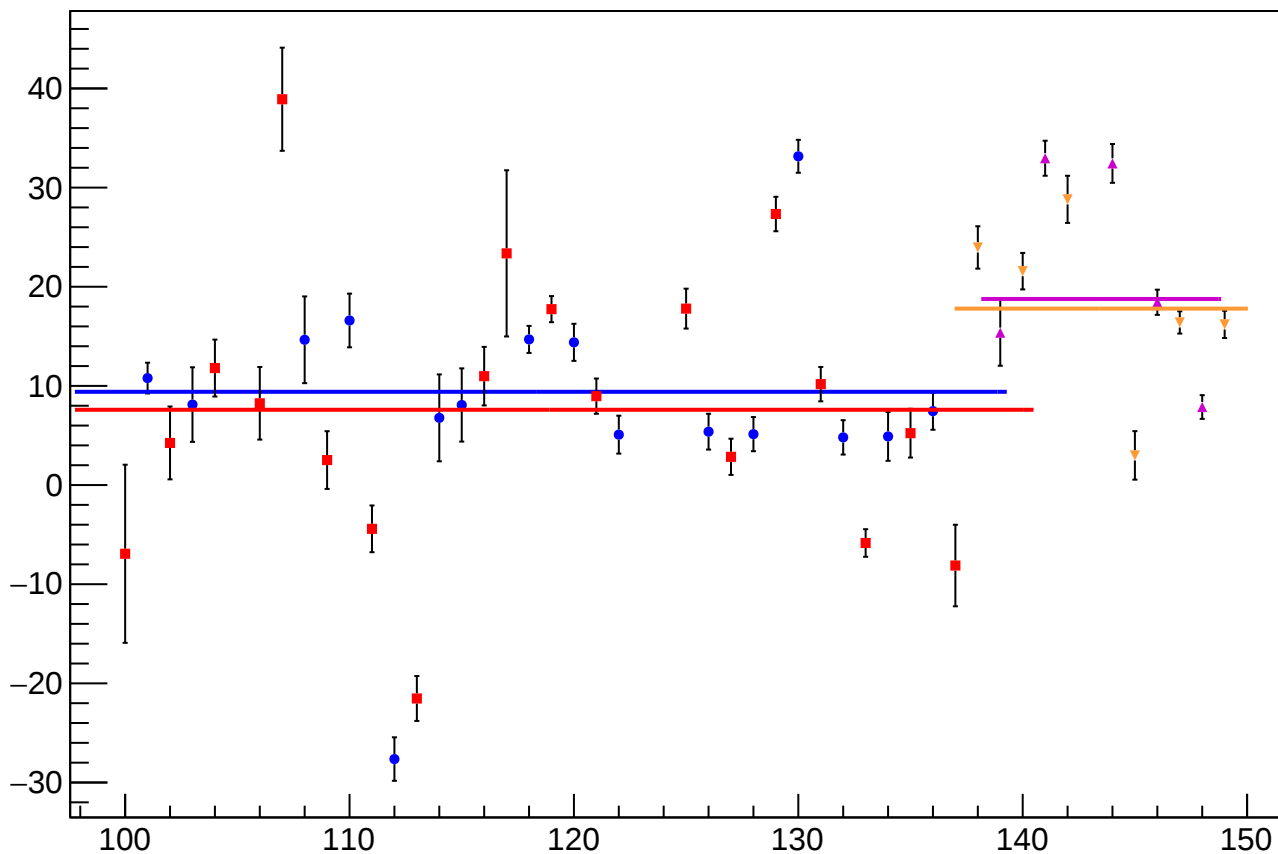
Right Out: 64.728 ± 0.838 χ^2/NDF : 1723.2/18

Left In: 28.090 ± 0.863 χ^2/NDF : 492.7/4

43.848 ± 0.584 χ^2/NDF : 2850.2/21

46.960 ± 0.601 χ^2/NDF : 3143.4/23

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 +/- 0.507 χ^2/NDF : 549.5/15

Left Out: 17.794 +/- 0.677 χ^2/NDF : 73.5/5

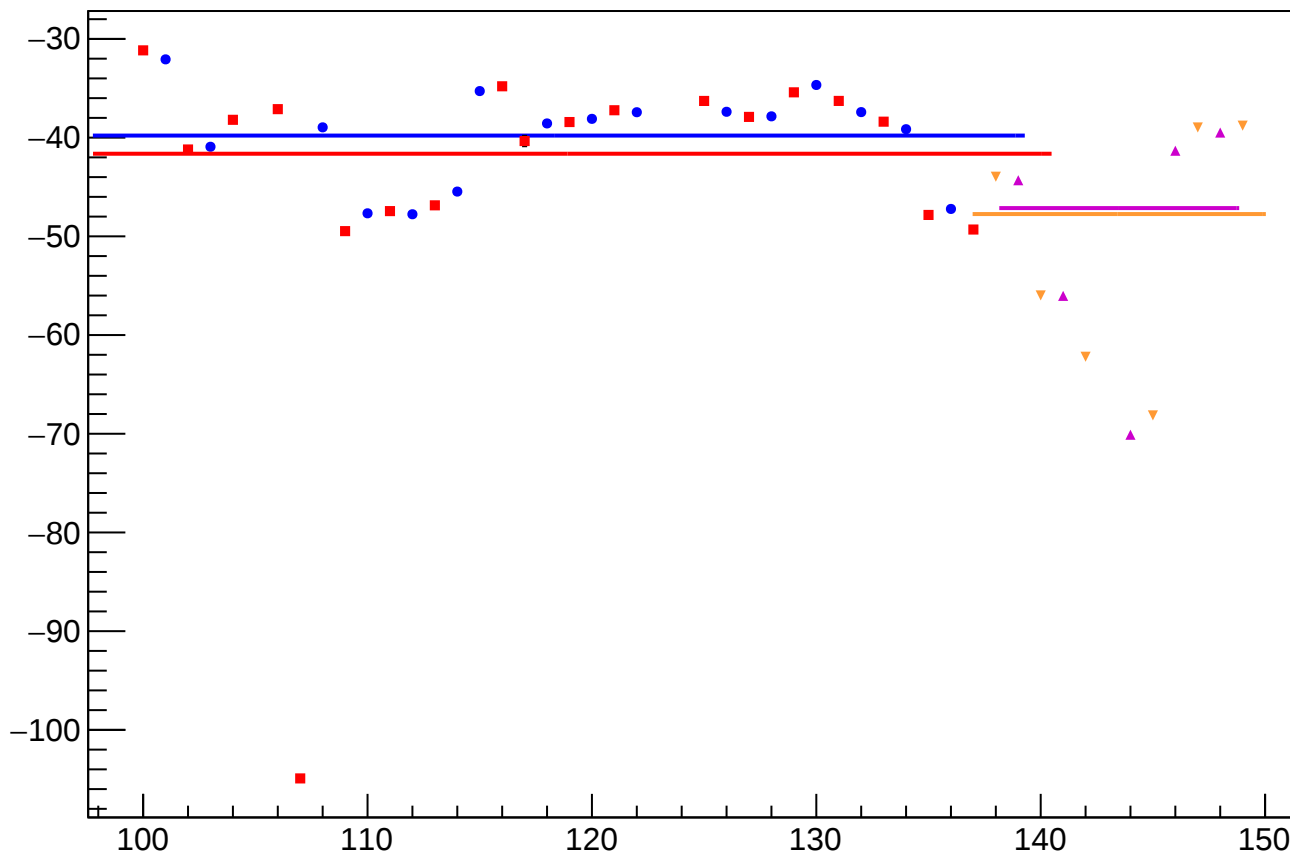
Right Out: 7.593 +/- 0.514 χ^2/NDF : 573.4/18

Left In: 18.768 +/- 0.709 χ^2/NDF : 197.5/4

12.415 +/- 0.406 χ^2/NDF : 721.4/21

11.443 +/- 0.416 χ^2/NDF : 933.8/23

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791+/-0.031 χ^2/NDF : 26138.6/15

Left Out: -47.743+/-0.035 χ^2/NDF : 92281.7/5

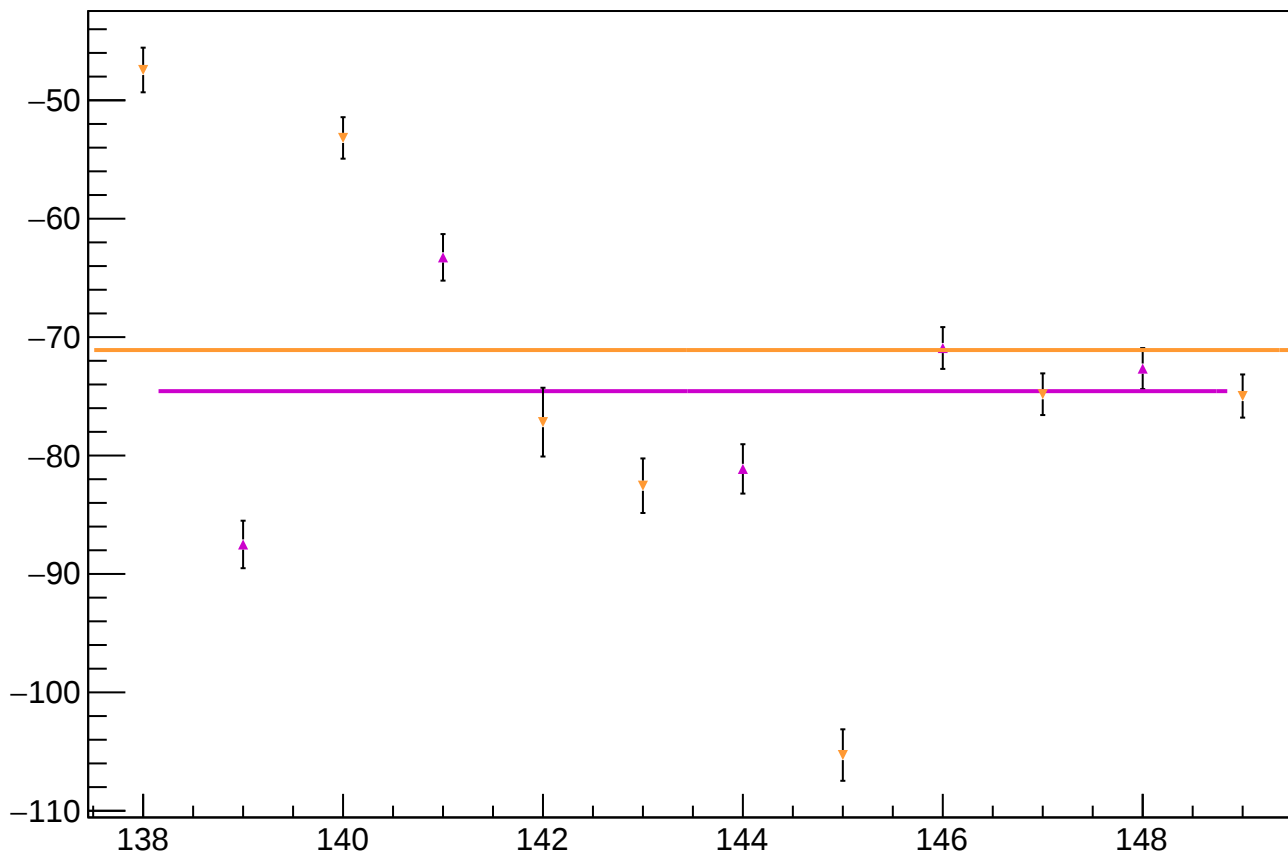
Right Out: -41.631+/-0.031 χ^2/NDF : 94399.1/18

Left In: -47.138+/-0.036 χ^2/NDF : 73828.4/4

-43.319+/-0.023 χ^2/NDF : 147191.9/21

-43.993+/-0.024 χ^2/NDF : 181630.8/23

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -71.092+/-0.756 χ^2/NDF : 547.6/6

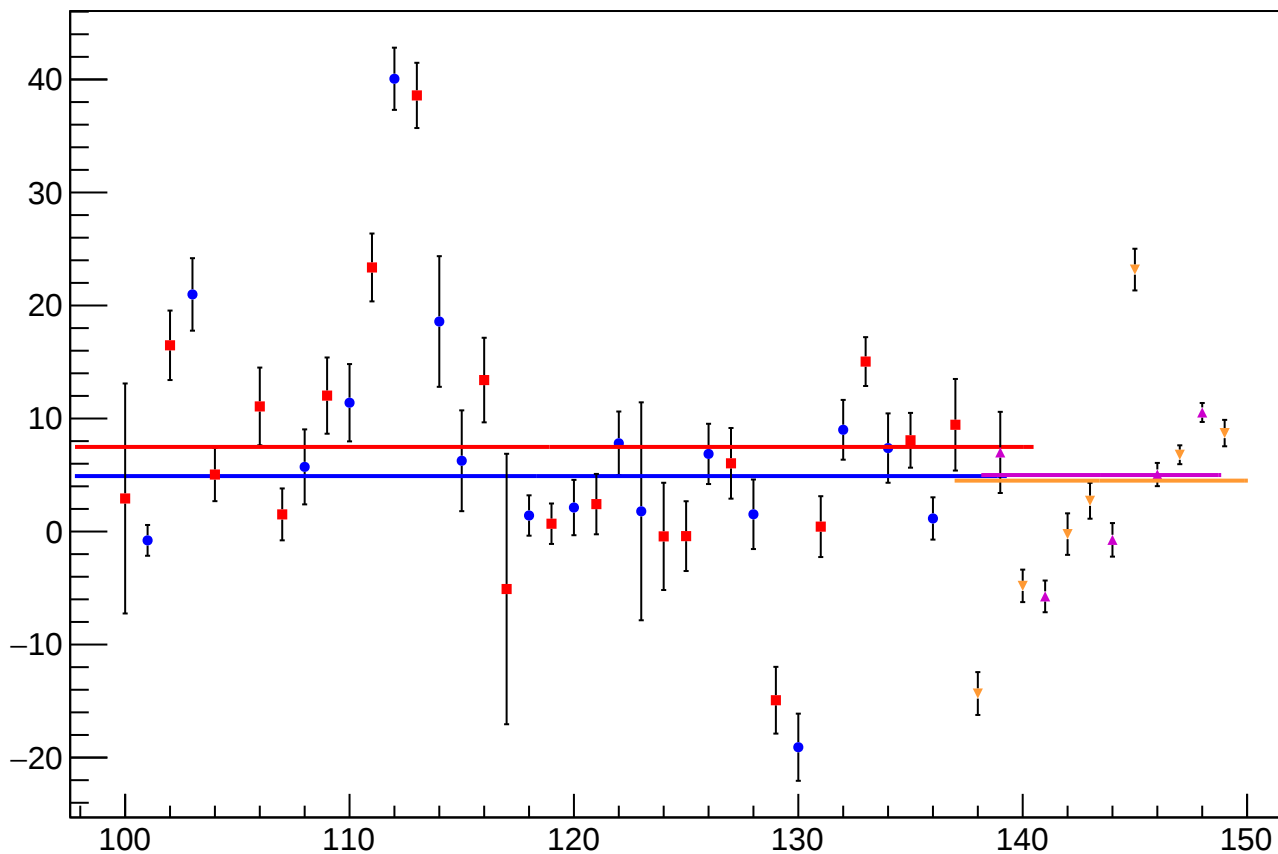
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -74.563+/-0.848 χ^2/NDF : 90.1/4

-71.092+/-0.756 χ^2/NDF : 547.6/6

-74.563+/-0.848 χ^2/NDF : 90.1/4

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 4.504 ± 0.505 χ^2/NDF : 271.5/6

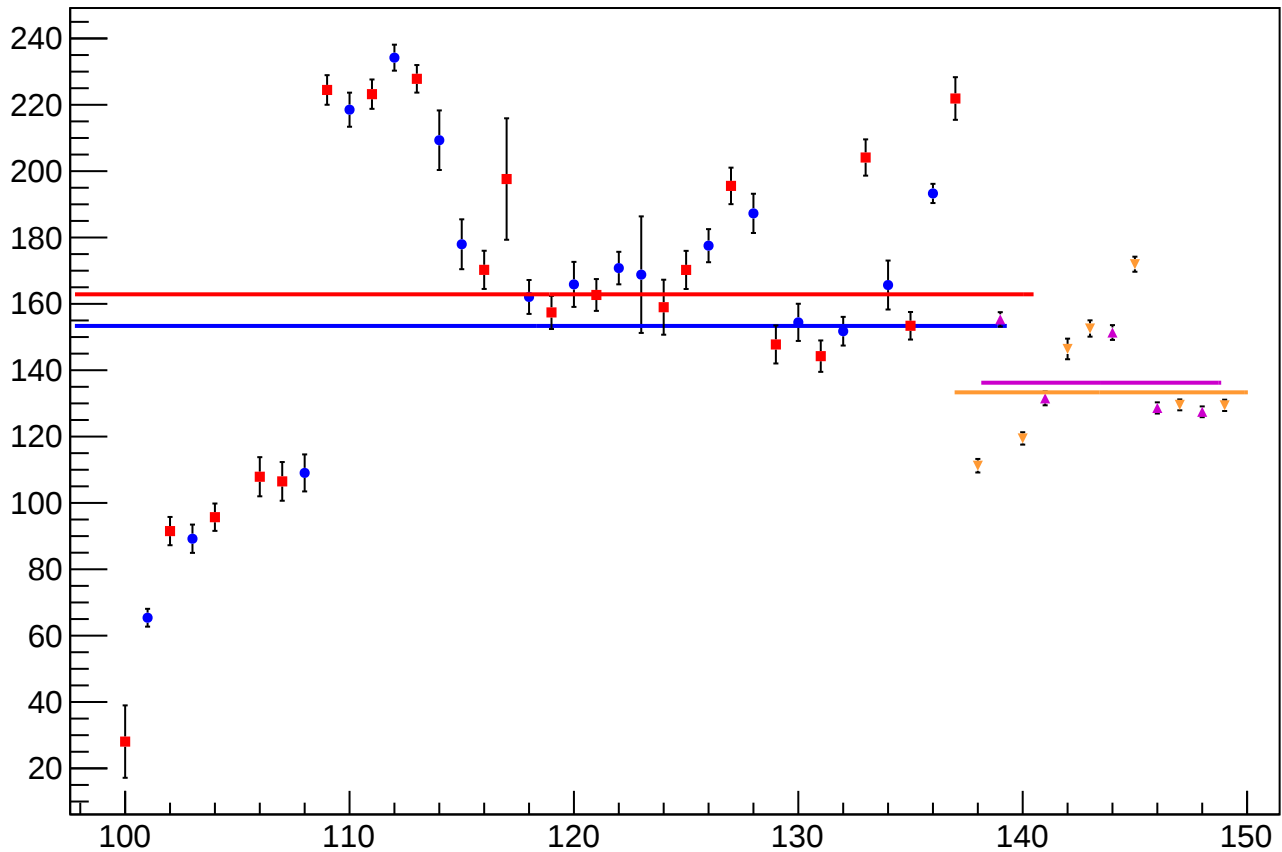
Right Out: 7.486 ± 0.650 χ^2/NDF : 271.7/19

Left In: 4.999 ± 0.542 χ^2/NDF : 117.3/4

4.662 ± 0.394 χ^2/NDF : 567.2/23

6.020 ± 0.416 χ^2/NDF : 397.6/24

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 133.332+/-0.766 χ^2/NDF : 551.6/6

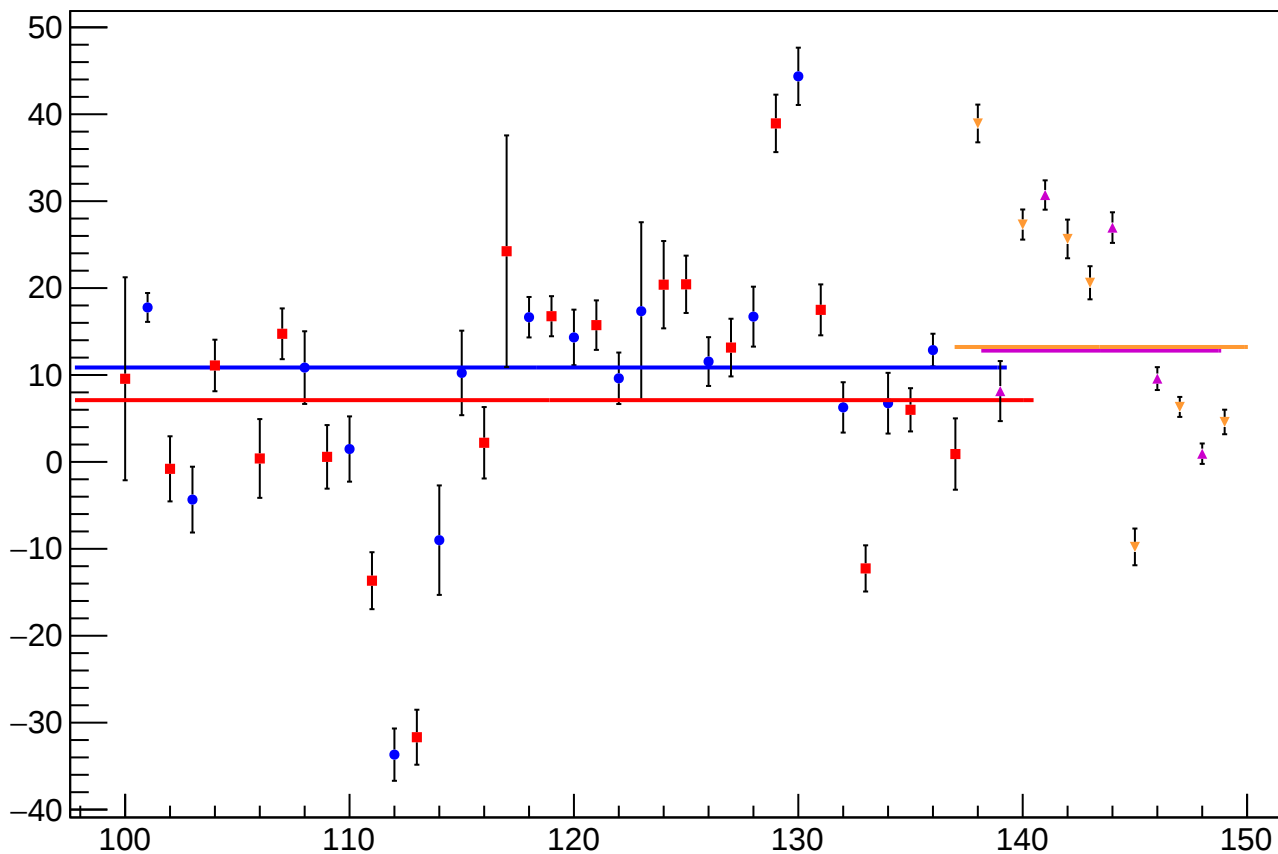
Right Out: 162.878+/-1.174 χ^2/NDF : 1712.4/19

Left In: 136.235+/-0.853 χ^2/NDF : 177.8/4

139.482+/-0.638 χ^2/NDF : 3029.7/23

145.441+/-0.690 χ^2/NDF : 2227.0/24

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 13.223 $\pm$ 0.632 χ^2 /NDF: 444.5/6

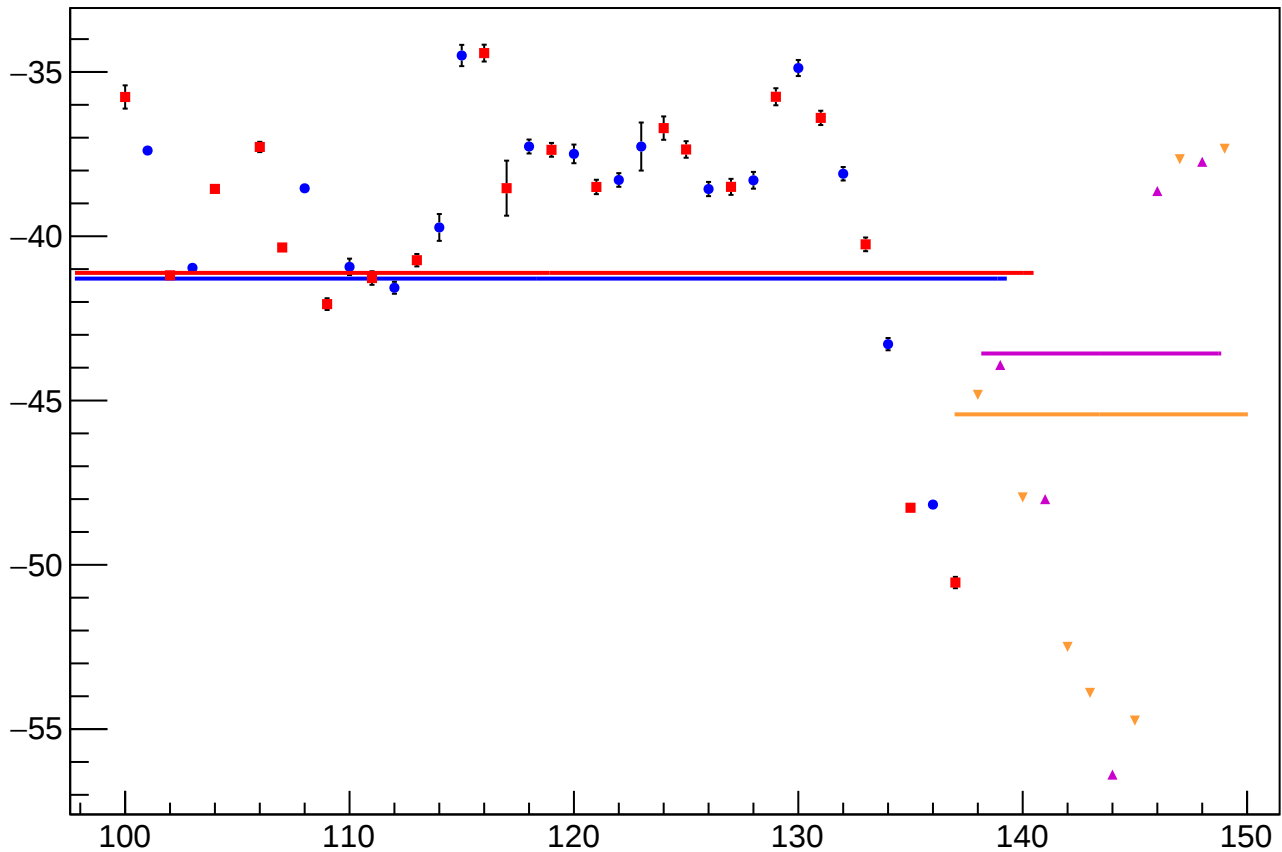
Right Out: 7.106 $\pm$ 0.746 χ^2 /NDF: 426.4/19

Left In: 12.807 $\pm$ 0.697 χ^2 /NDF: 286.9/4

12.195 $\pm$ 0.475 χ^2 /NDF: 838.5/23

10.152 $\pm$ 0.509 χ^2 /NDF: 744.4/24

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289+/-0.039 χ^2/NDF : 12509.1/16

Left Out: -45.420+/-0.033 χ^2/NDF : 44405.5/6

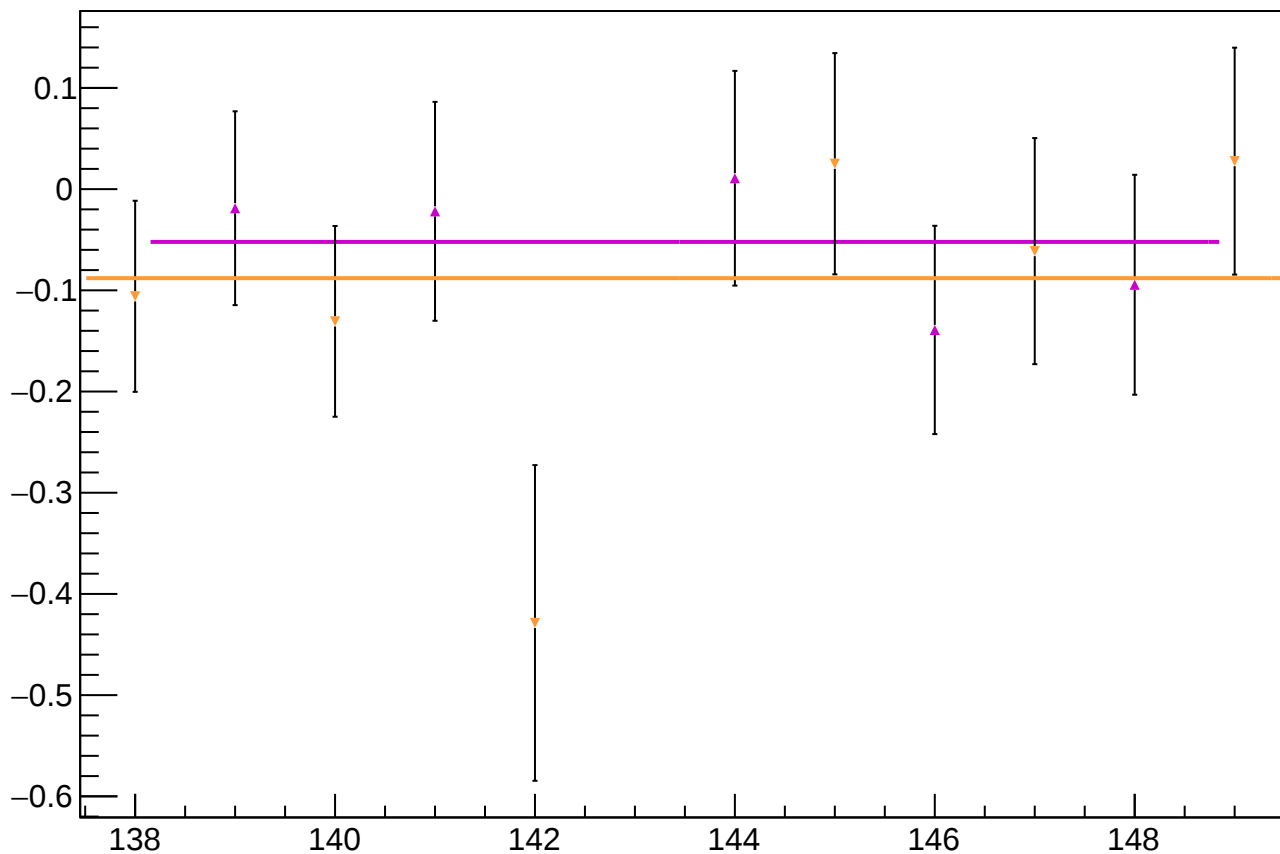
Right Out: -41.115+/-0.039 χ^2/NDF : 12120.1/19

Left In: -43.568+/-0.036 χ^2/NDF : 31123.3/4

-43.705+/-0.025 χ^2/NDF : 63611.6/23

-42.442+/-0.026 χ^2/NDF : 45425.4/24

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.088 $\pm$ 0.044 χ^2 /NDF: 7.2/5

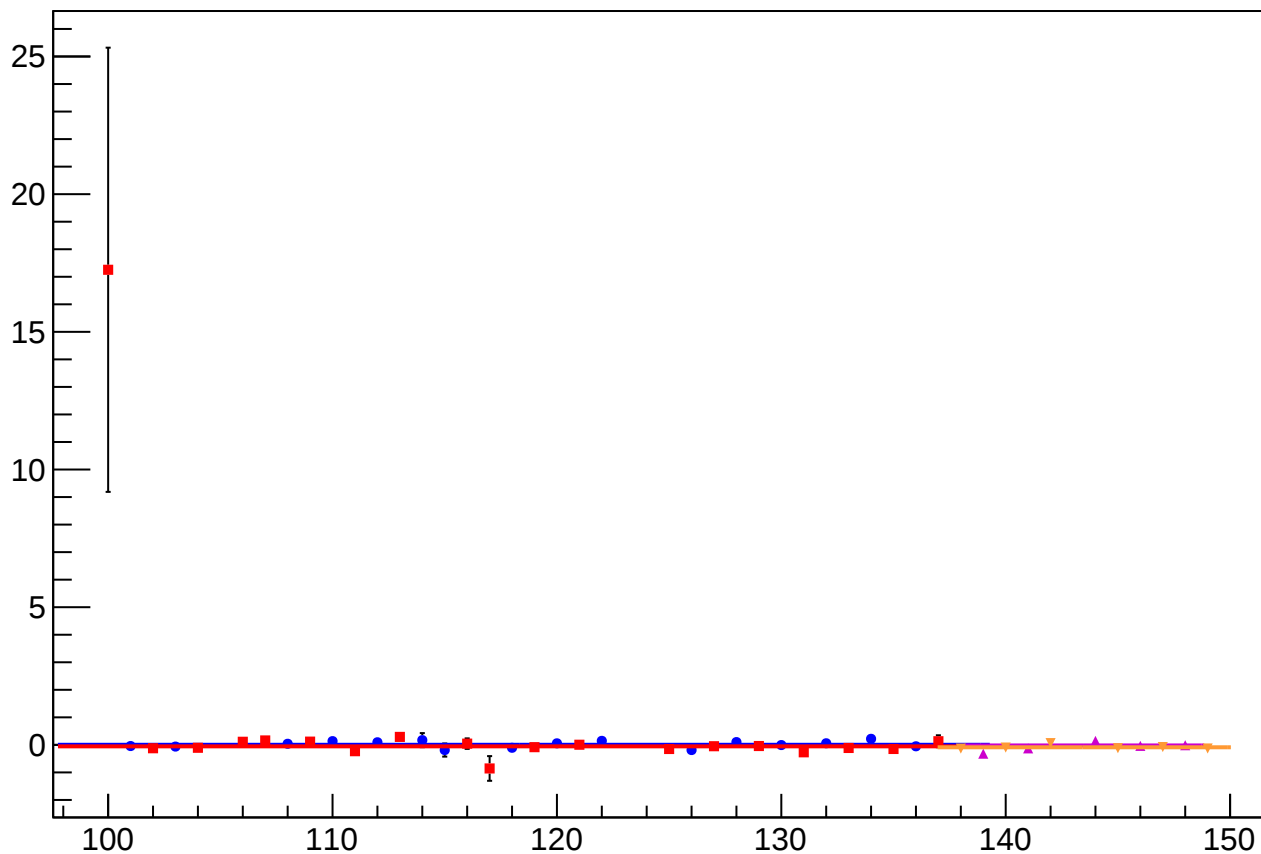
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.052 $\pm$ 0.046 χ^2 /NDF: 1.4/4

-0.088 $\pm$ 0.044 χ^2 /NDF: 7.2/5

-0.052 $\pm$ 0.046 χ^2 /NDF: 1.4/4

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.087+/-0.031 χ^2/NDF : 3.1/5

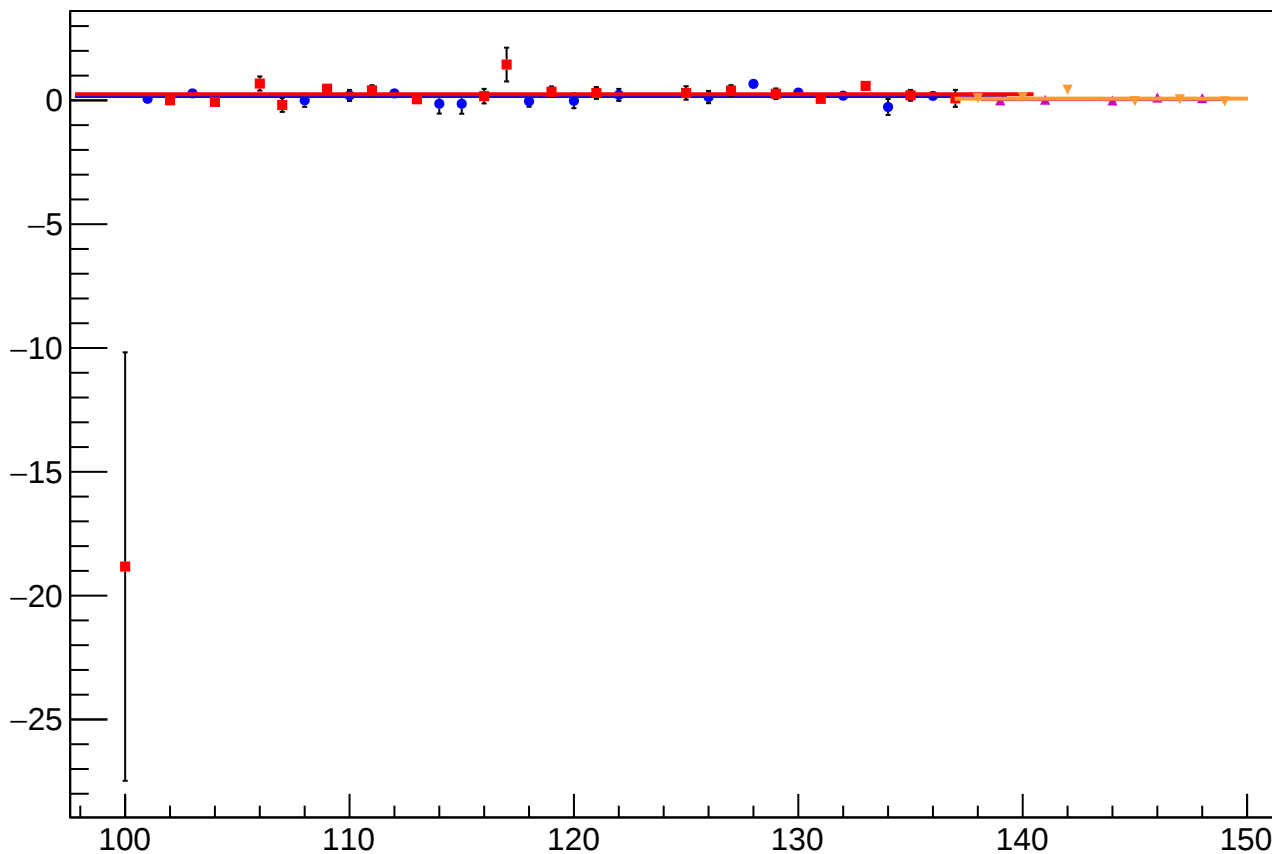
Right Out: -0.053+/-0.029 χ^2/NDF : 28.8/18

Left In: -0.021+/-0.032 χ^2/NDF : 9.7/4

-0.038+/-0.021 χ^2/NDF : 20.1/21

-0.038+/-0.021 χ^2/NDF : 39.1/23

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 ± 0.053 $\chi^2/\text{NDF}: 13.0/15$

Left Out: 0.115 ± 0.034 $\chi^2/\text{NDF}: 22.3/21$

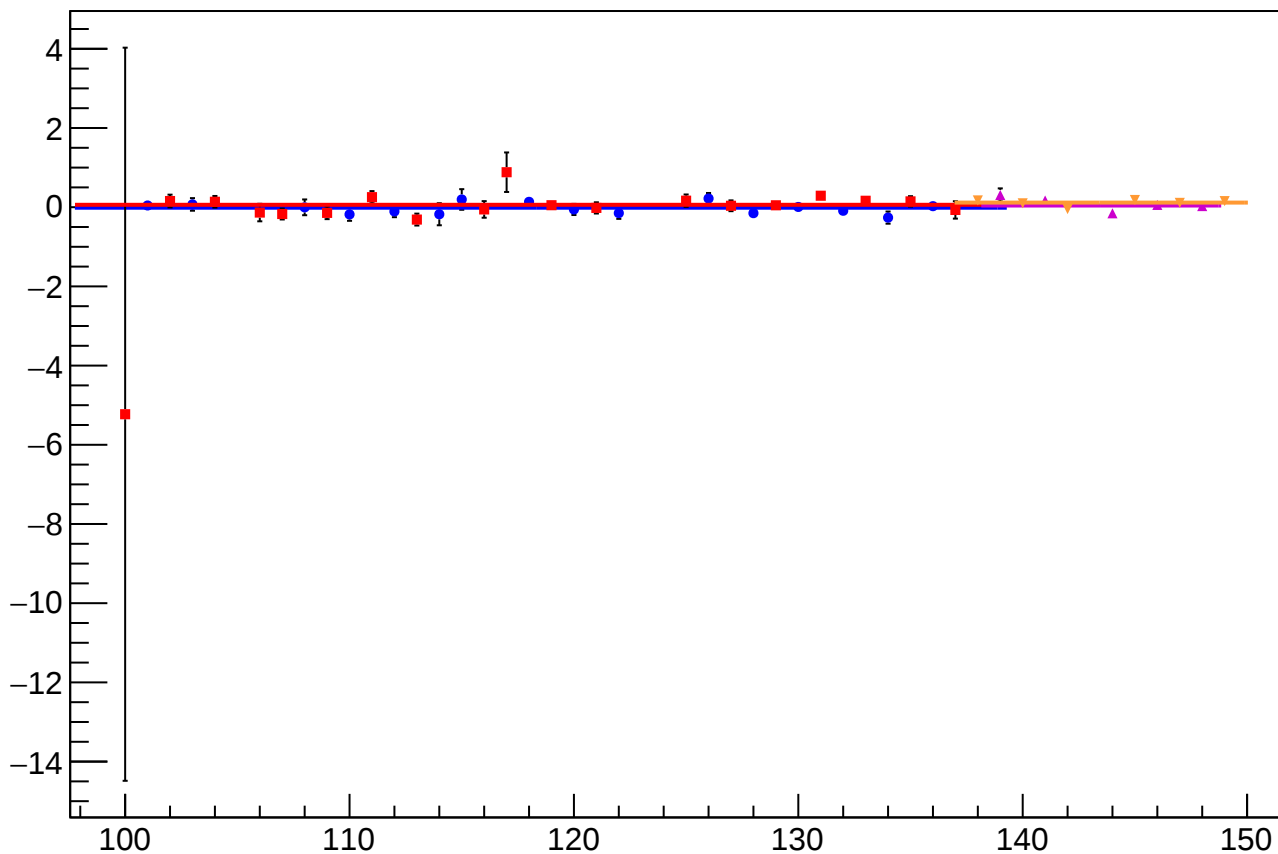
0.115 ± 0.034 $\chi^2/\text{NDF}: 22.3/21$

Right Out: 0.247 ± 0.054 $\chi^2/\text{NDF}: 24.7/18$

0.137 ± 0.036 $\chi^2/\text{NDF}: 33.3/23$

Left In: 0.052 ± 0.047 $\chi^2/\text{NDF}: 1.1/4$

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 $\pm$ 0.033 χ^2/NDF : 13.6/15

Left Out: 0.116 $\pm$ 0.039 χ^2/NDF : 2.7/5

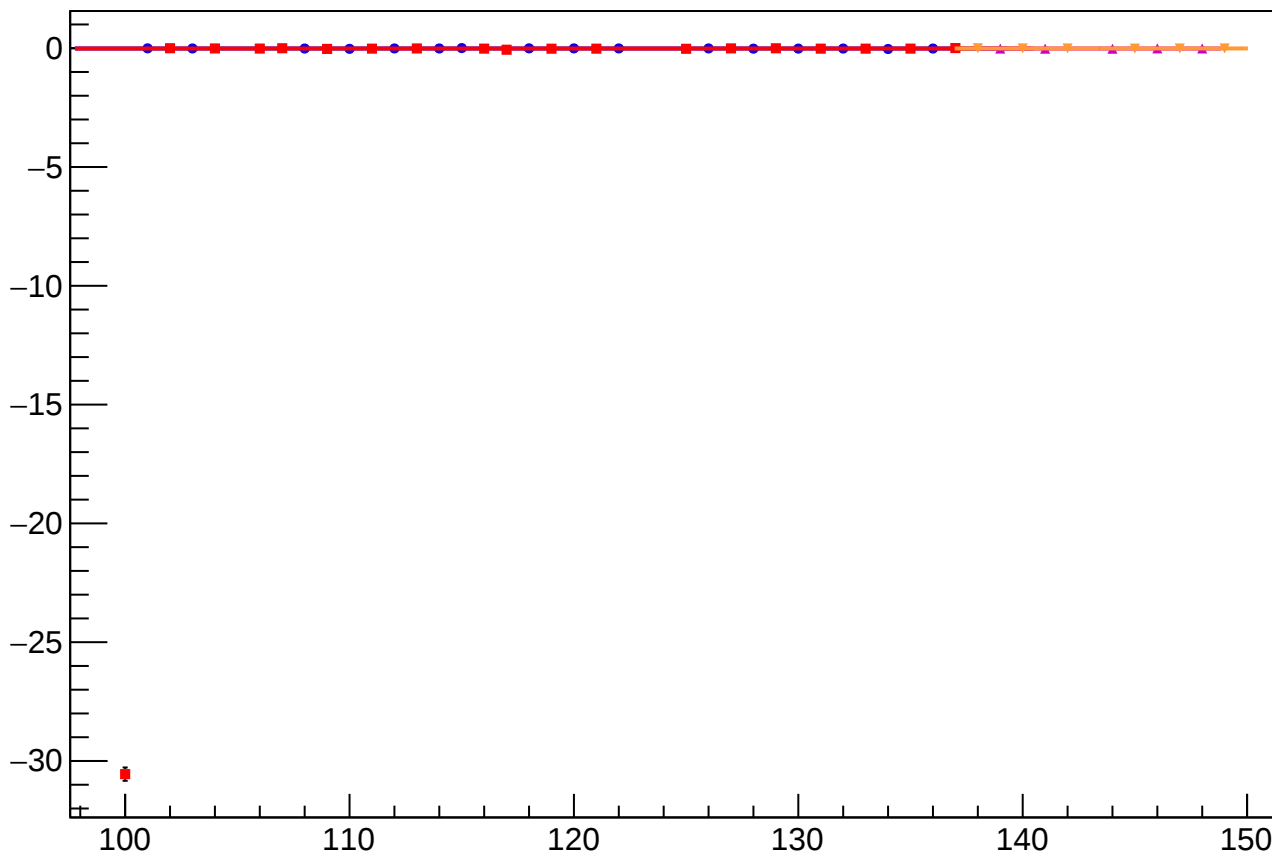
Right Out: 0.061 $\pm$ 0.034 χ^2/NDF : 23.1/18

Left In: 0.042 $\pm$ 0.040 χ^2/NDF : 9.3/4

0.041 $\pm$ 0.025 χ^2/NDF : 22.9/21

0.053 $\pm$ 0.026 χ^2/NDF : 32.5/23

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2/NDF : 12.8/15

Left Out: -0.010 $\pm$ 0.002 χ^2/NDF : 7.1/5

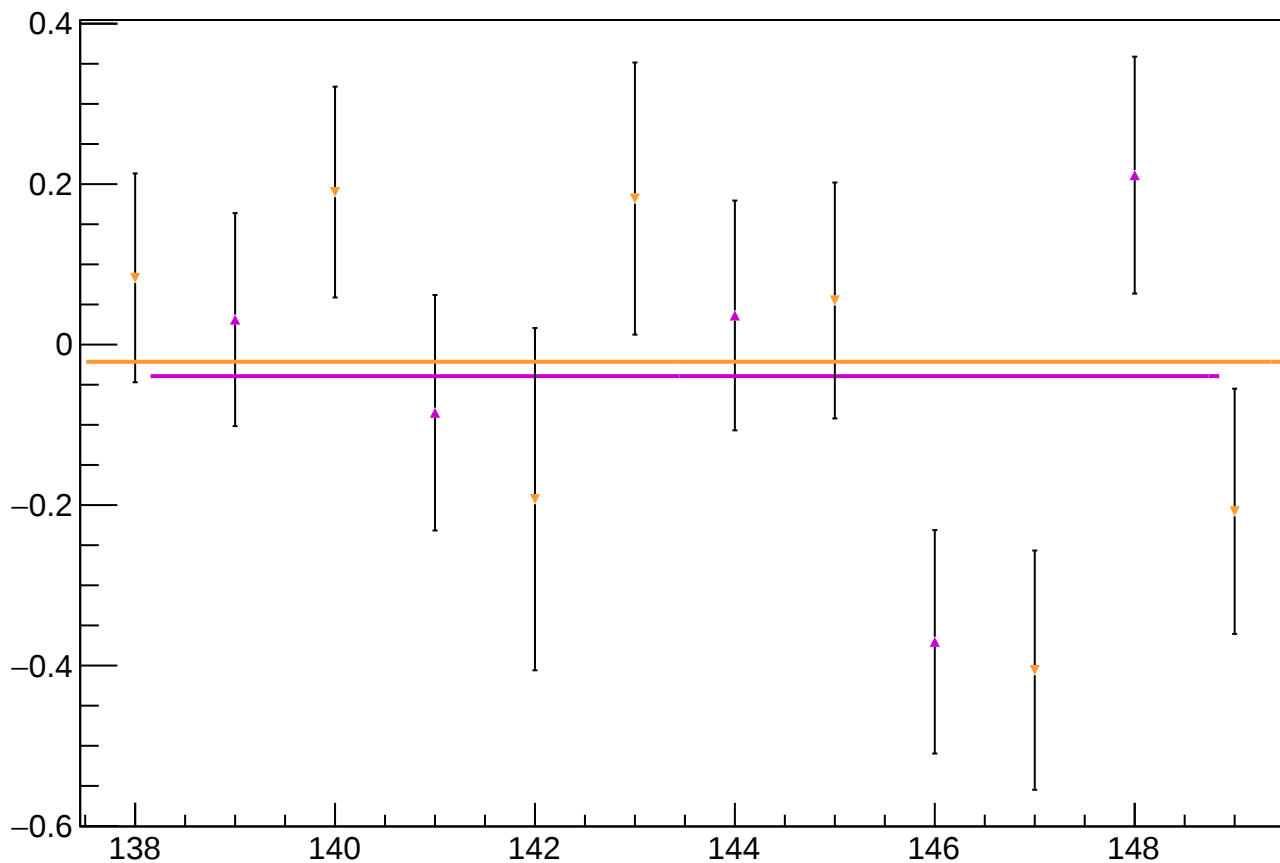
Right Out: -0.012 $\pm$ 0.002 χ^2/NDF : 11894.0/18

Left In: -0.014 $\pm$ 0.002 χ^2/NDF : 5.7/4

-0.011 $\pm$ 0.001 χ^2/NDF : 20.7/21

-0.013 $\pm$ 0.001 χ^2/NDF : 11900.0/23

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.021+/-0.057 χ^2/NDF : 13.7/6

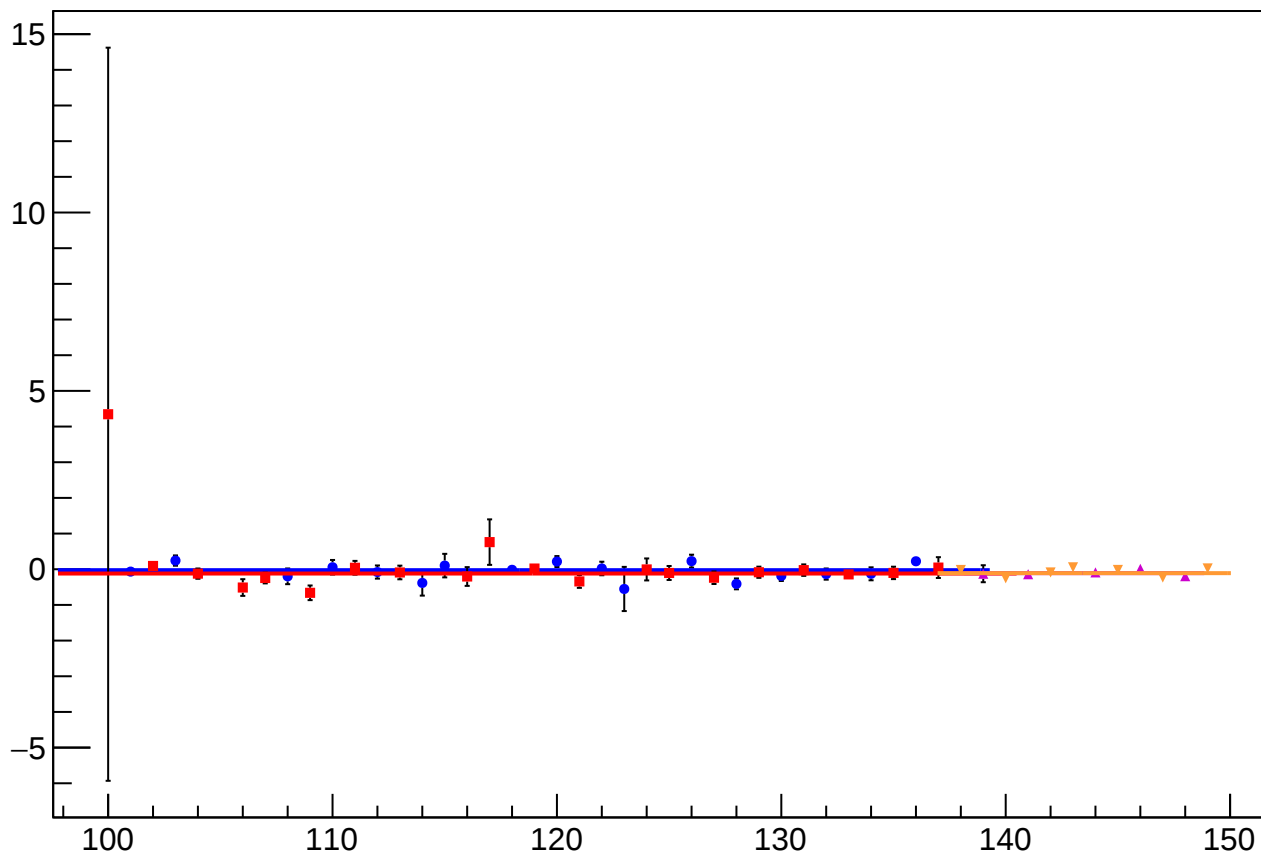
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.039+/-0.063 χ^2/NDF : 9.2/4

-0.021+/-0.057 χ^2/NDF : 13.7/6

-0.039+/-0.063 χ^2/NDF : 9.2/4

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.109 ± 0.040 χ^2/NDF : 9.5/6

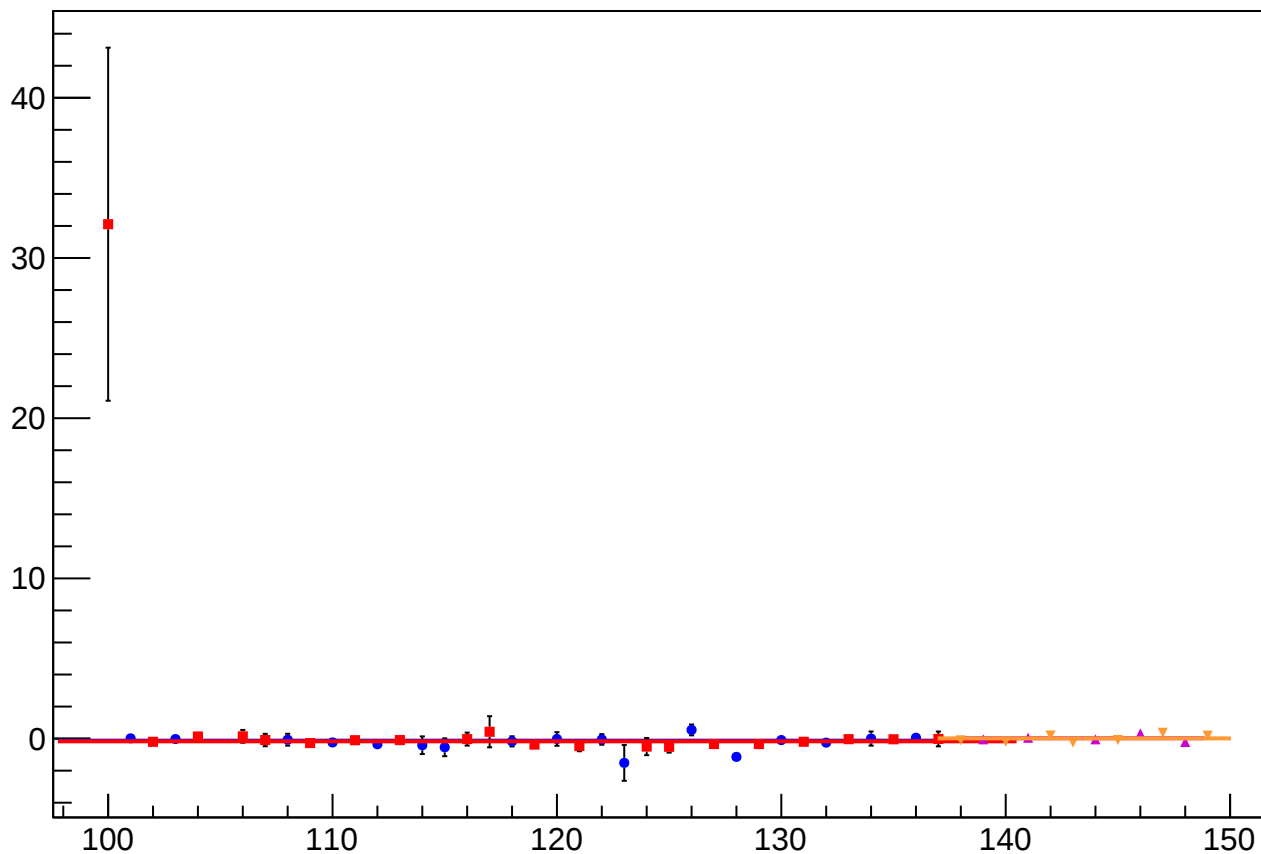
Right Out: -0.120 ± 0.039 χ^2/NDF : 20.2/19

Left In: -0.109 ± 0.043 χ^2/NDF : 3.7/4

-0.064 ± 0.027 χ^2/NDF : 34.6/23

-0.115 ± 0.029 χ^2/NDF : 24.0/24

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 $\pm$ 0.067 χ^2/NDF : 23.1/16

Left Out: 0.016 $\pm$ 0.058 χ^2/NDF :13.9/6

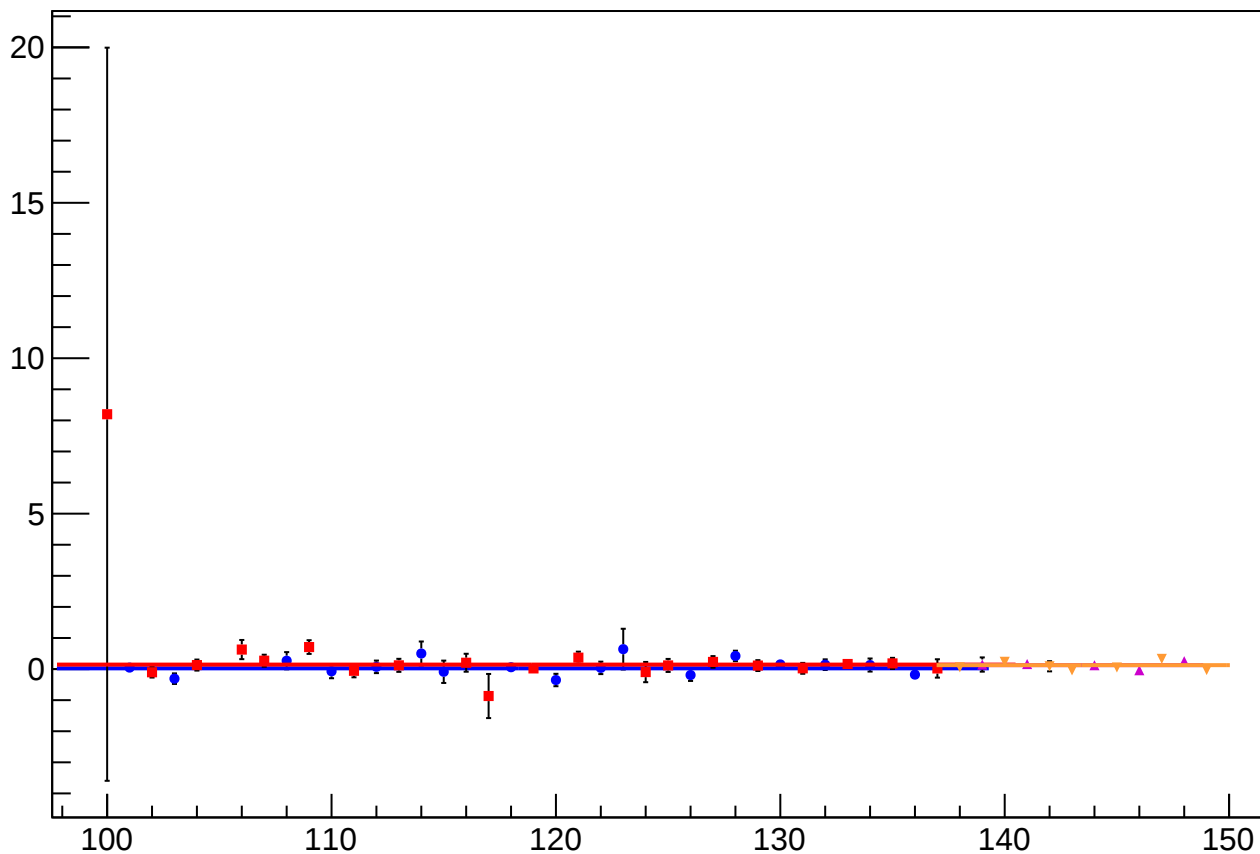
Right Out: -0.169 $\pm$ 0.071 χ^2/NDF : 15.3/19

Left In: 0.024 $\pm$ 0.064 χ^2/NDF :8.3/4

-0.047 $\pm$ 0.044 χ^2/NDF : 39.6/23

-0.063 $\pm$ 0.048 χ^2/NDF : 27.7/24

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 $\pm$ 0.043 χ^2/NDF : 21.3/16

Left Out: 0.126 $\pm$ 0.049 χ^2/NDF : 8.7/6

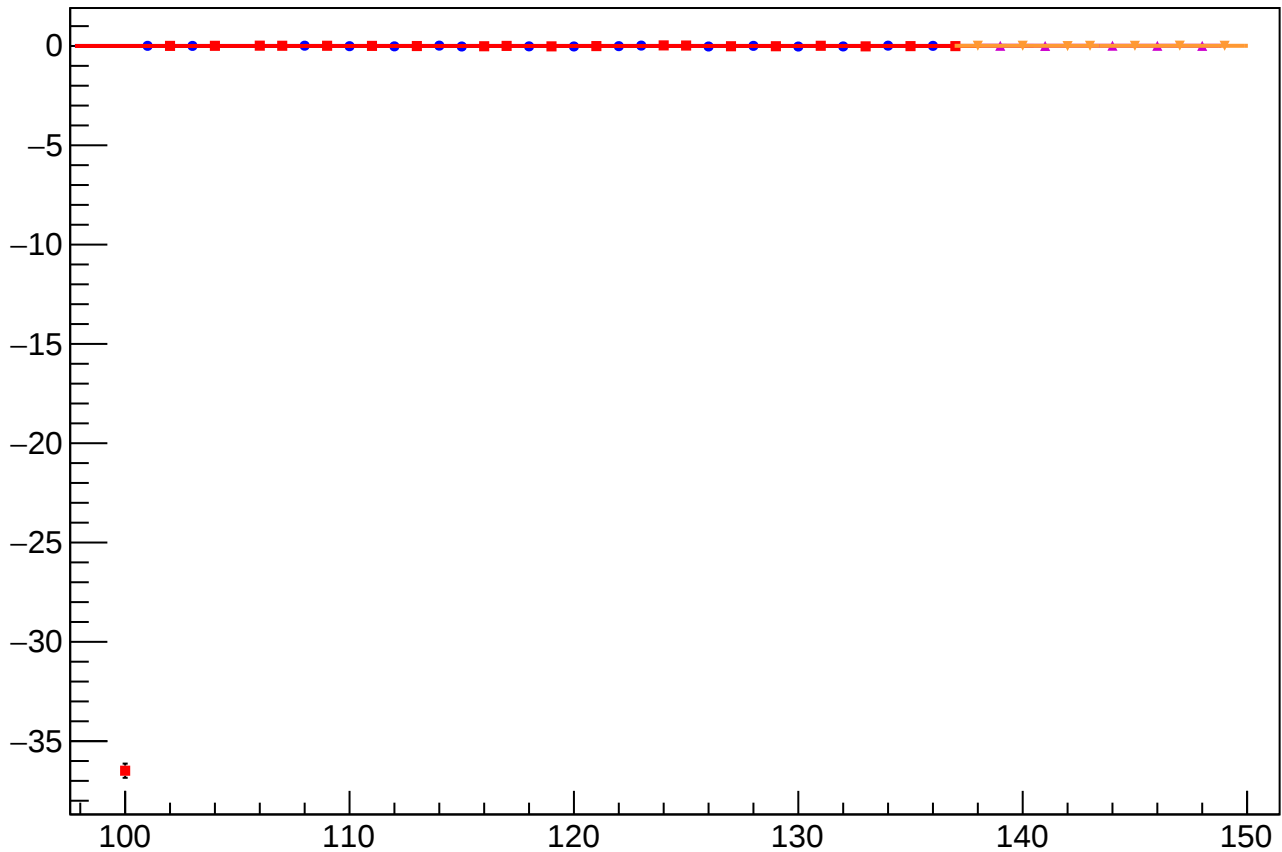
Right Out: 0.144 $\pm$ 0.045 χ^2/NDF : 18.6/19

Left In: 0.127 $\pm$ 0.054 χ^2/NDF : 4.1/4

0.067 $\pm$ 0.032 χ^2/NDF : 32.5/23

0.137 $\pm$ 0.035 χ^2/NDF : 22.8/24

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.010+/-0.002 χ^2/NDF : 4.3/6

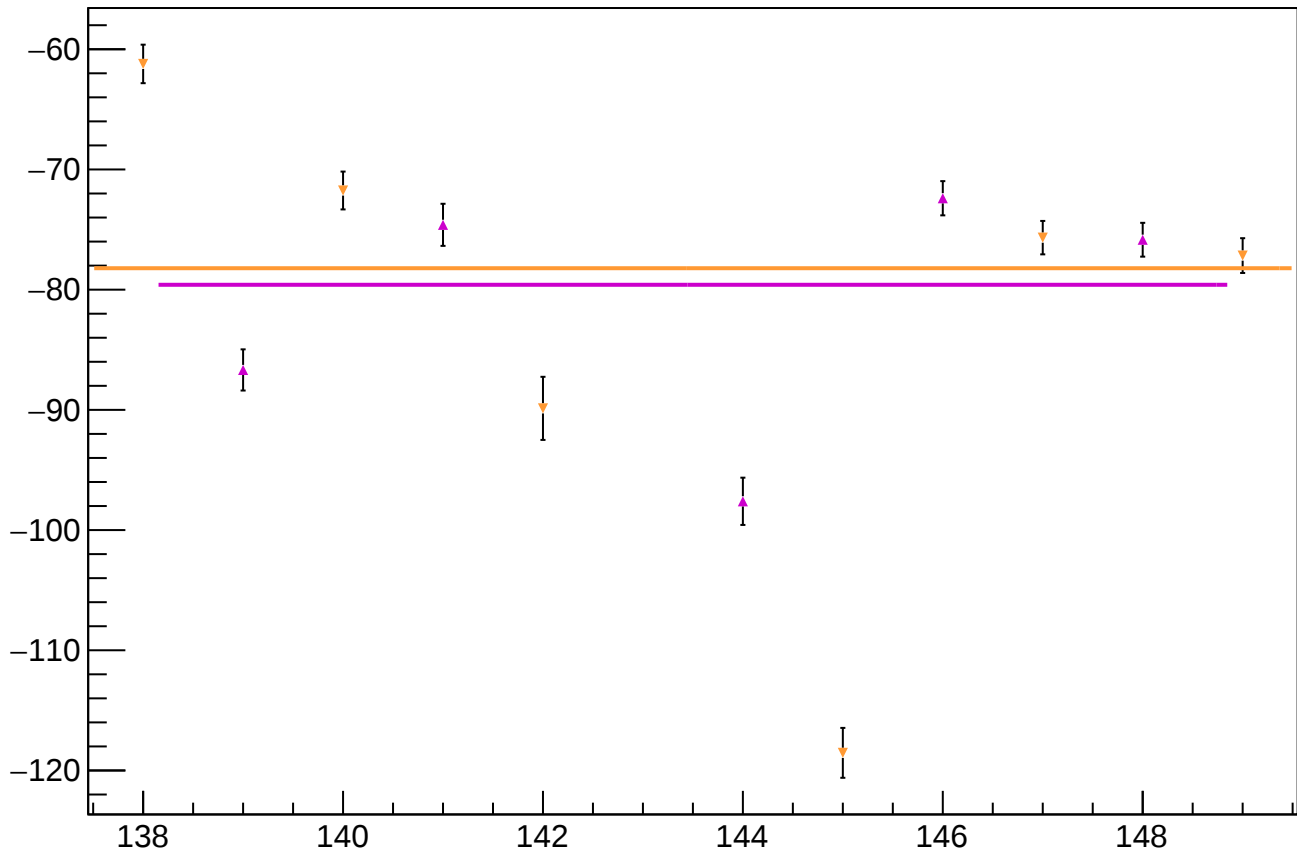
Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/19

Left In: 0.010+/-0.003 χ^2/NDF : 1.9/4

0.005+/-0.002 χ^2/NDF : 41.4/23

0.005+/-0.002 χ^2/NDF : 10457.2/24

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -78.216+/-0.680 χ^2/NDF : 530.4/5

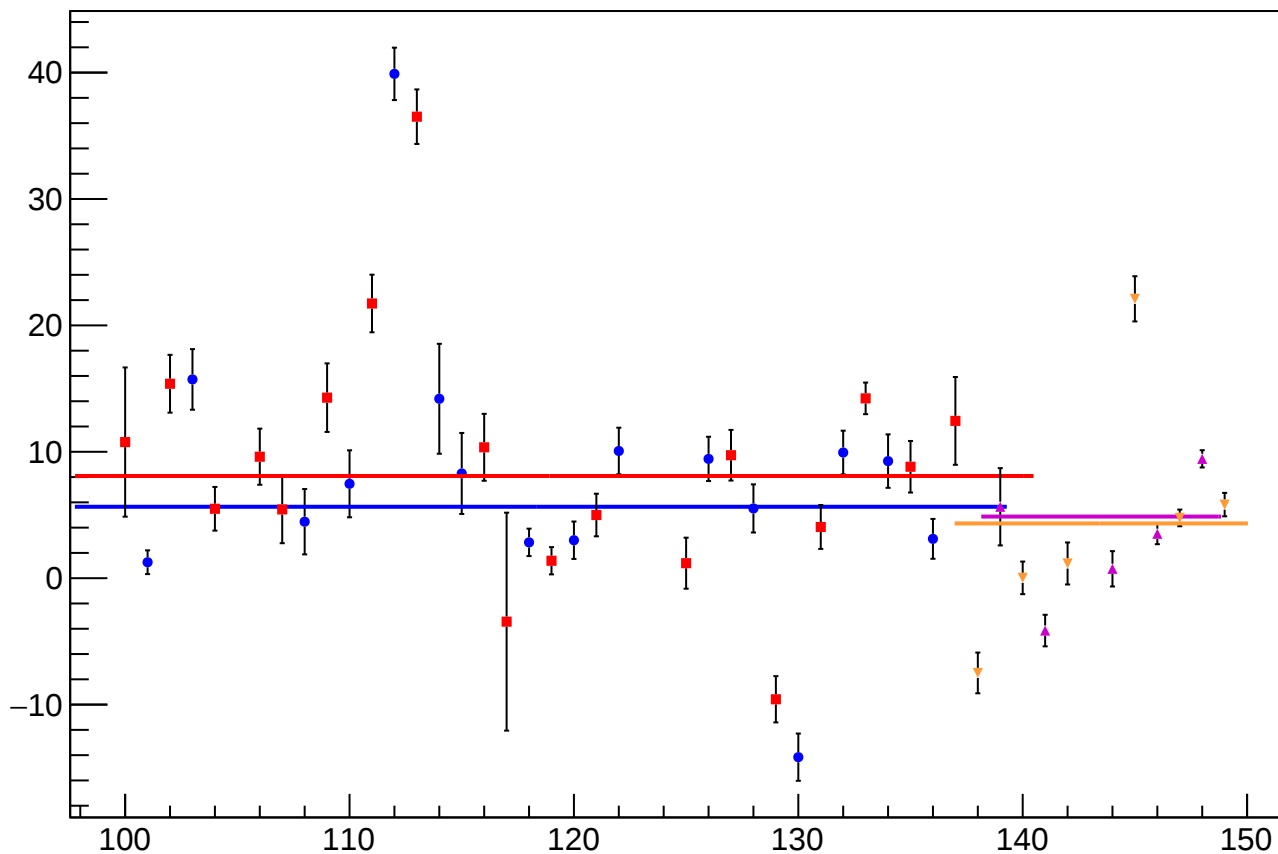
-78.216+/-0.680 χ^2/NDF : 530.4/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-79.594+/-0.721 χ^2/NDF : 141.9/4

Left In: -79.594+/-0.721 χ^2/NDF : 141.9/4

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 $\pm$ 0.429 χ^2 /NDF: 461.9/15

Left Out: 4.332 $\pm$ 0.442 χ^2 /NDF:170.4/5

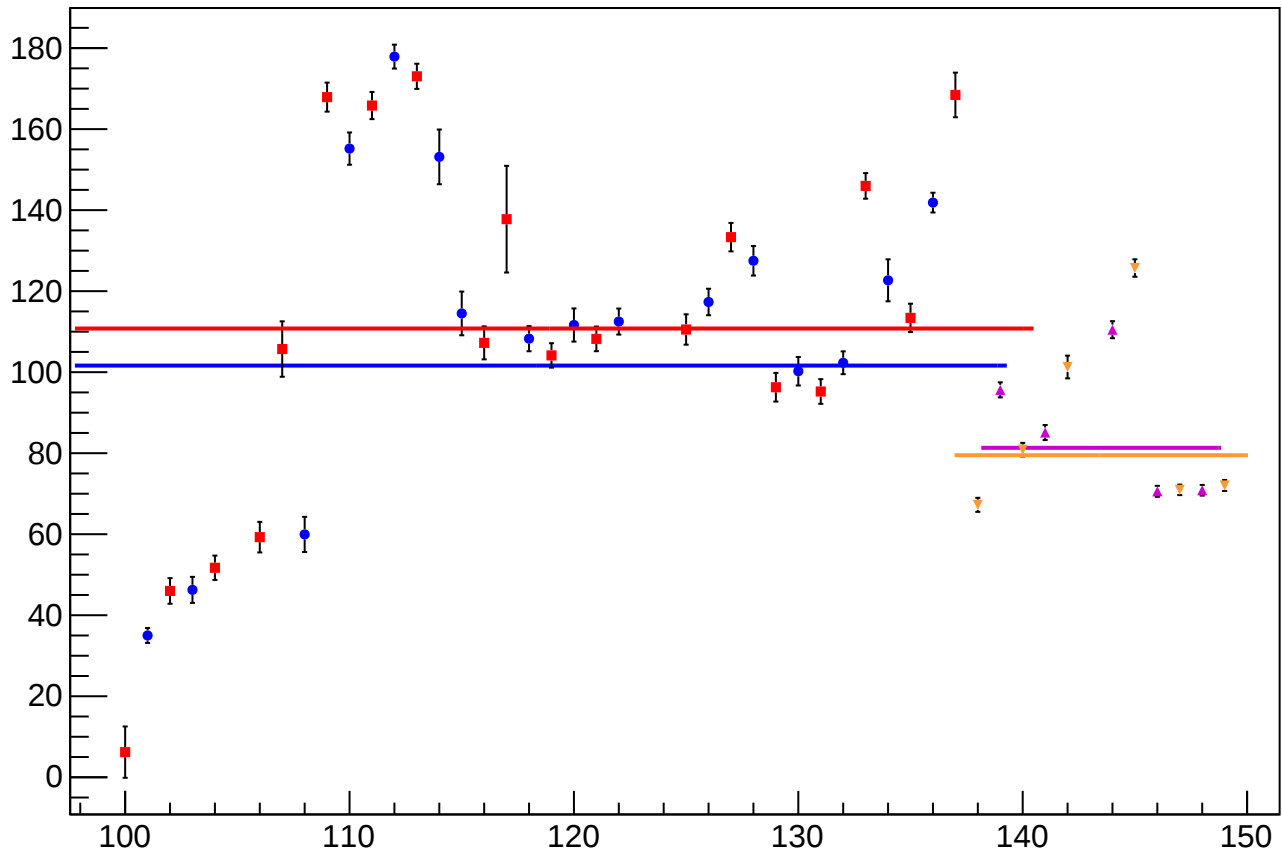
Right Out: 8.087 $\pm$ 0.452 χ^2 /NDF: 409.7/18

Left In: 4.876 $\pm$ 0.453 χ^2 /NDF:108.5/4

5.010 $\pm$ 0.308 χ^2 /NDF: 636.9/21

6.485 $\pm$ 0.320 χ^2 /NDF: 543.4/23

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 ± 0.812 $\chi^2/\text{NDF}: 2980.2/15$

Left Out: 79.497 ± 0.679 $\chi^2/\text{NDF}: 644.4/5$

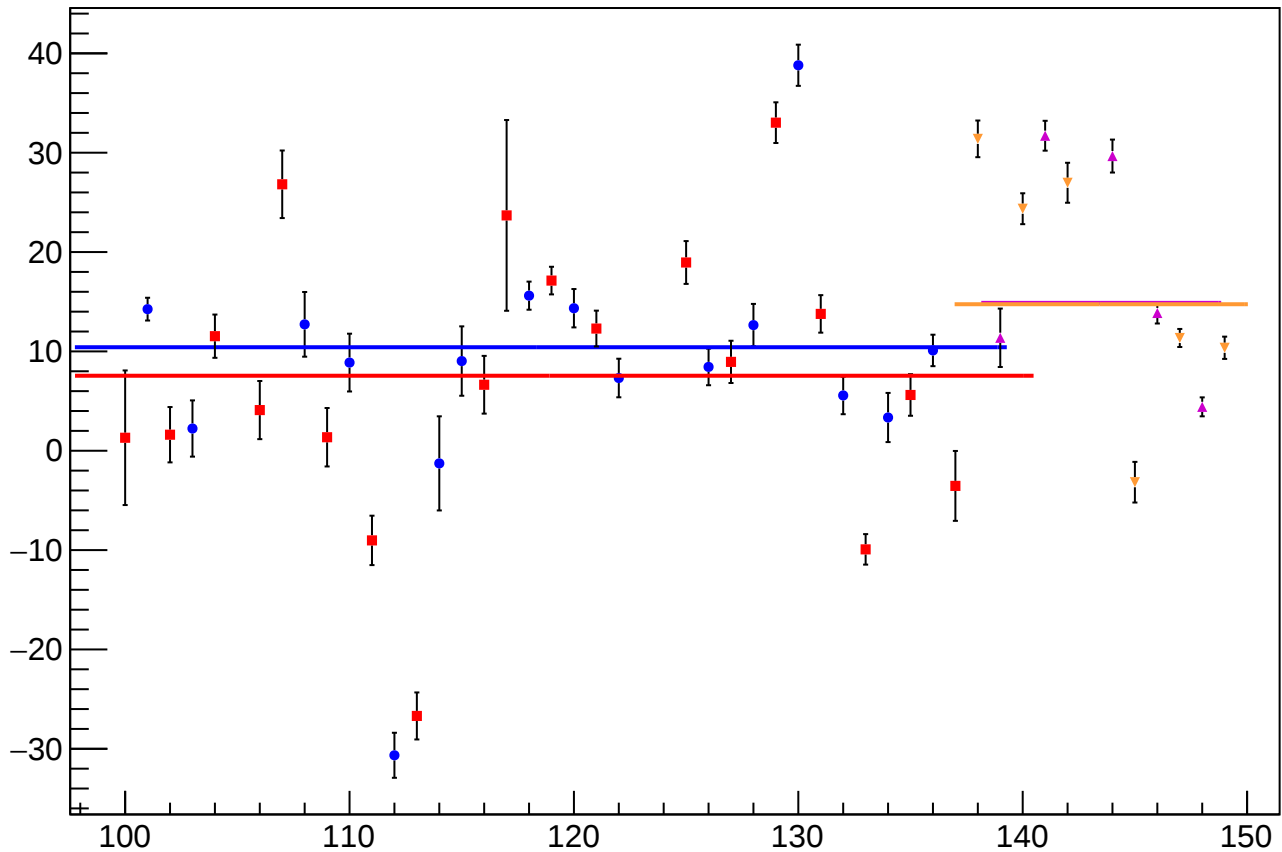
Right Out: 110.778 ± 0.834 $\chi^2/\text{NDF}: 2518.3/18$

Left In: 81.328 ± 0.721 $\chi^2/\text{NDF}: 381.3/4$

88.603 ± 0.521 $\chi^2/\text{NDF}: 4061.8/21$

93.926 ± 0.546 $\chi^2/\text{NDF}: 3612.3/23$

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 14.748 ± 0.559 $\chi^2/\text{NDF}: 262.4/5$

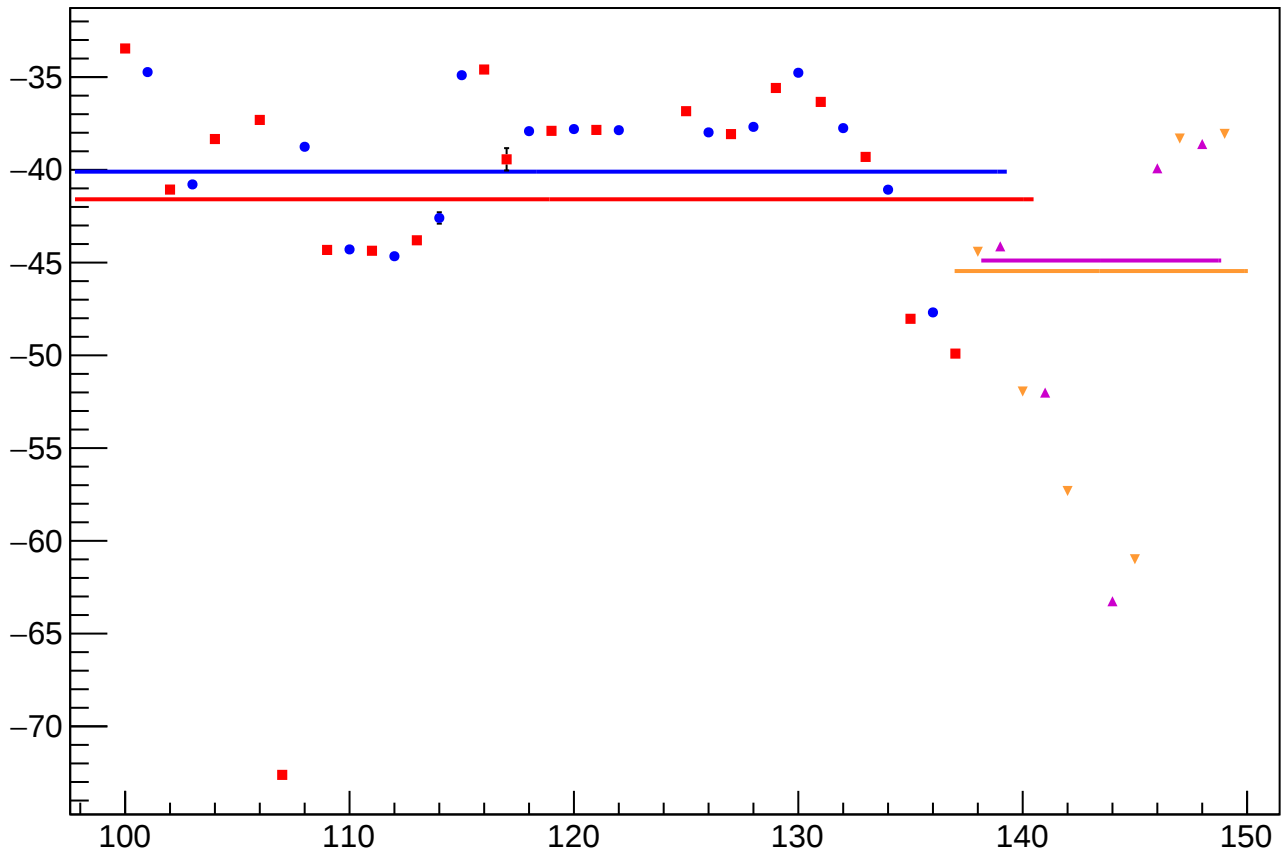
Right Out: 7.550 ± 0.522 $\chi^2/\text{NDF}: 692.3/18$

Left In: 14.885 ± 0.586 $\chi^2/\text{NDF}: 327.5/4$

12.332 ± 0.372 $\chi^2/\text{NDF}: 875.6/21$

10.801 ± 0.390 $\chi^2/\text{NDF}: 1107.1/23$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 $\pm$ 0.028 χ^2 /NDF: 25073.4/15

Left Out: -45.456 $\pm$ 0.029 χ^2 /NDF: 81716.7/5

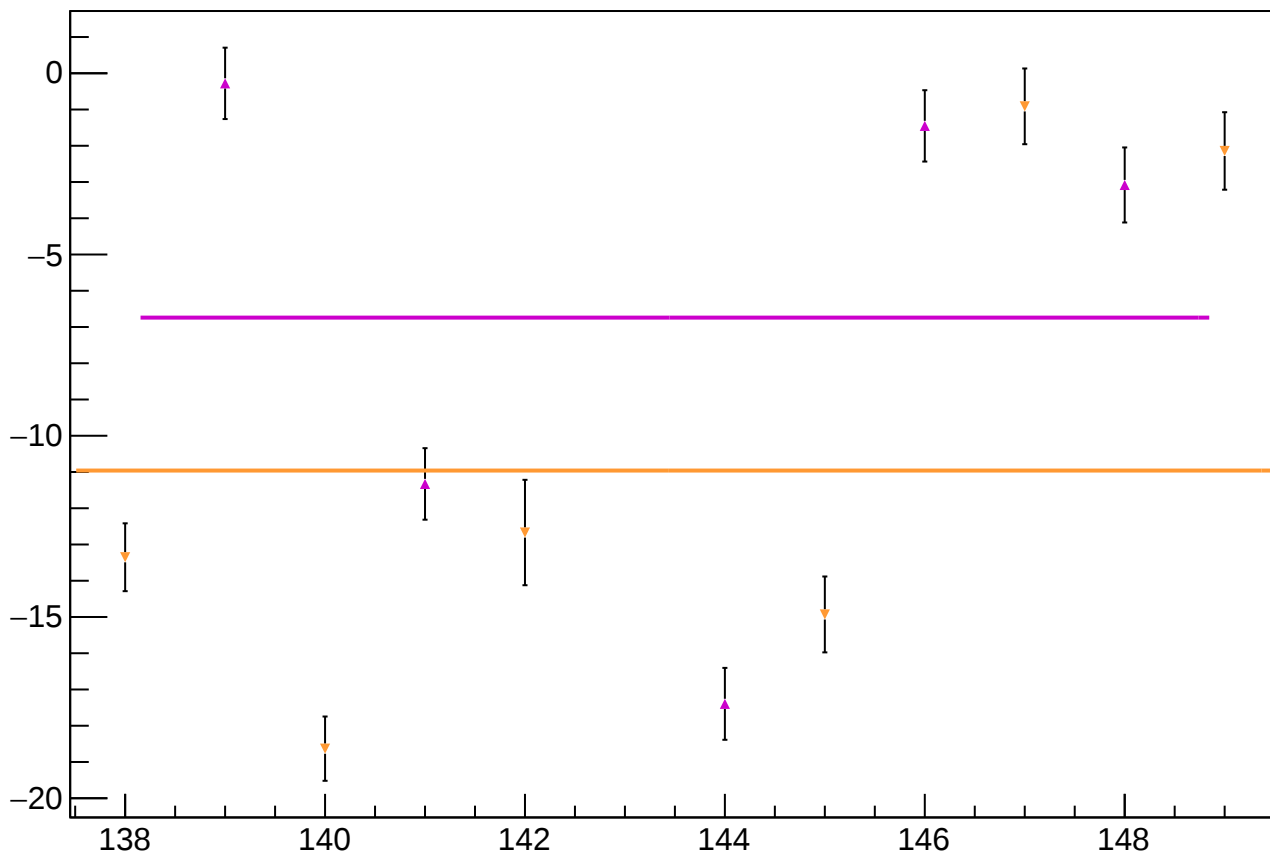
Right Out: -41.588 $\pm$ 0.029 χ^2 /NDF: 61690.5/18

Left In: -44.888 $\pm$ 0.030 χ^2 /NDF: 67419.1/4

-42.693 $\pm$ 0.020 χ^2 /NDF: 124122.7/21

-43.148 $\pm$ 0.021 χ^2 /NDF: 135422.3/23

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -10.960 $\pm$ 0.423 χ^2 /NDF: 257.7/5

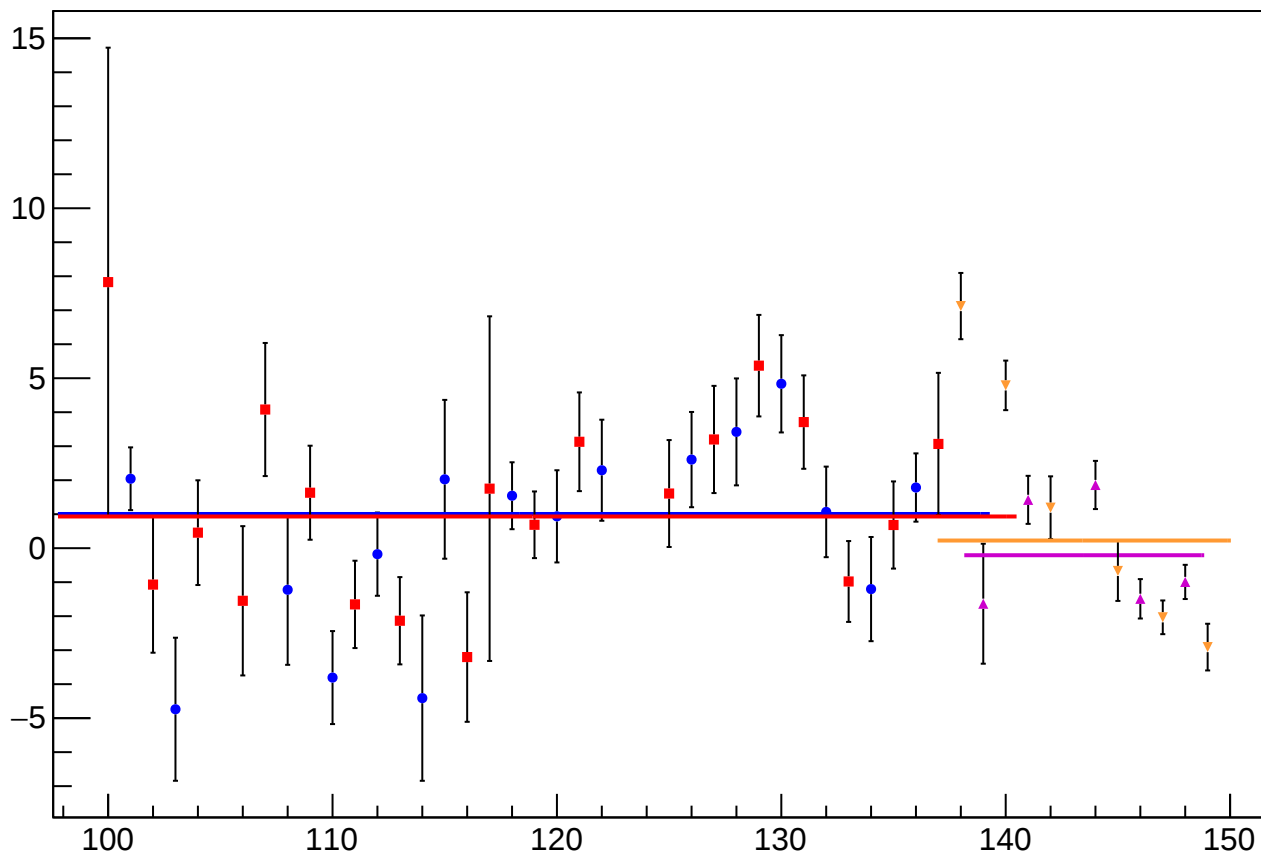
-10.960 $\pm$ 0.423 χ^2 /NDF: 257.7/5

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

-6.741 $\pm$ 0.445 χ^2 /NDF: 221.5/4

Left In: -6.741 $\pm$ 0.445 χ^2 /NDF: 221.5/4

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: 0.226 ± 0.294 χ^2/NDF : 133.0/5

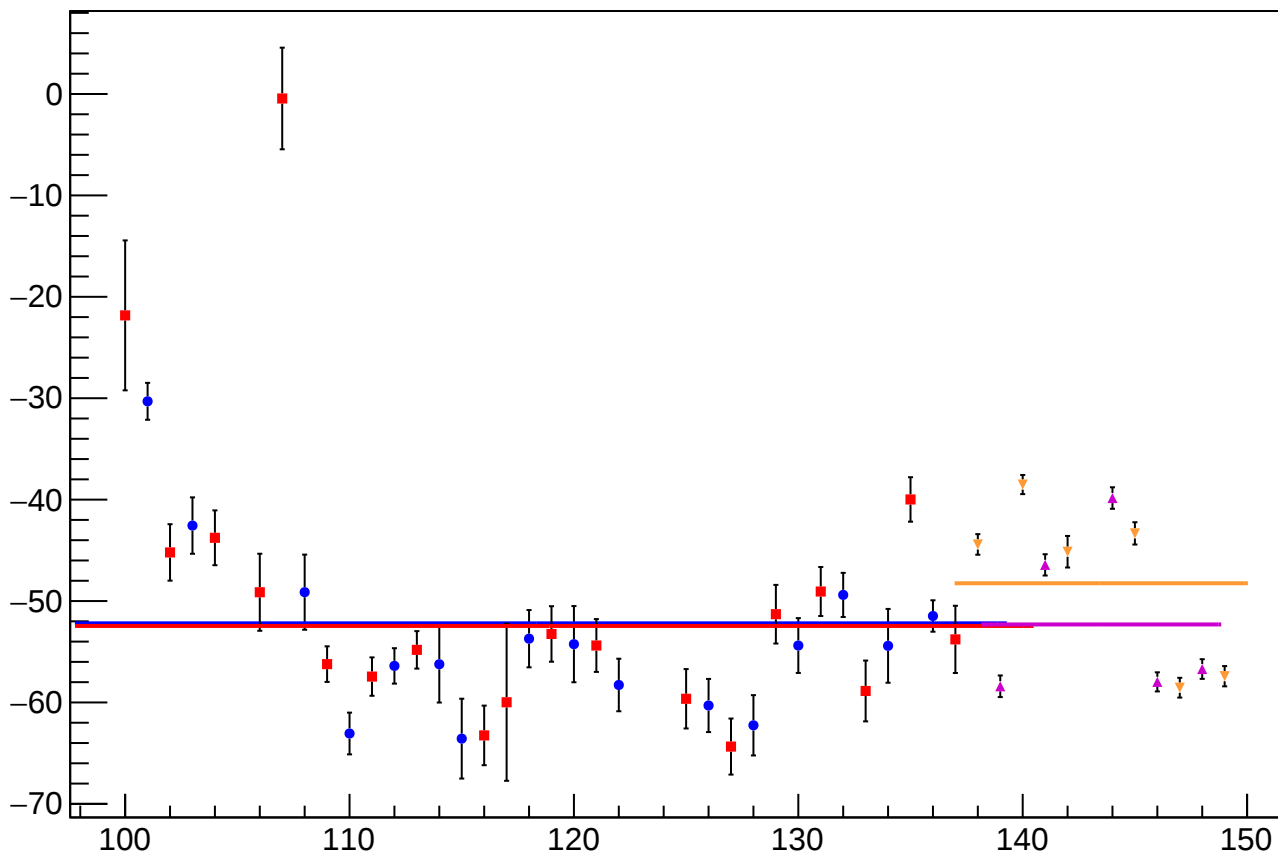
Right Out: 0.933 ± 0.352 χ^2/NDF : 41.9/18

Left In: -0.207 ± 0.298 χ^2/NDF : 21.8/4

0.557 ± 0.223 χ^2/NDF : 178.8/21

0.269 ± 0.228 χ^2/NDF : 69.8/23

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -48.247 ± 0.431 χ^2/NDF : 340.0/5

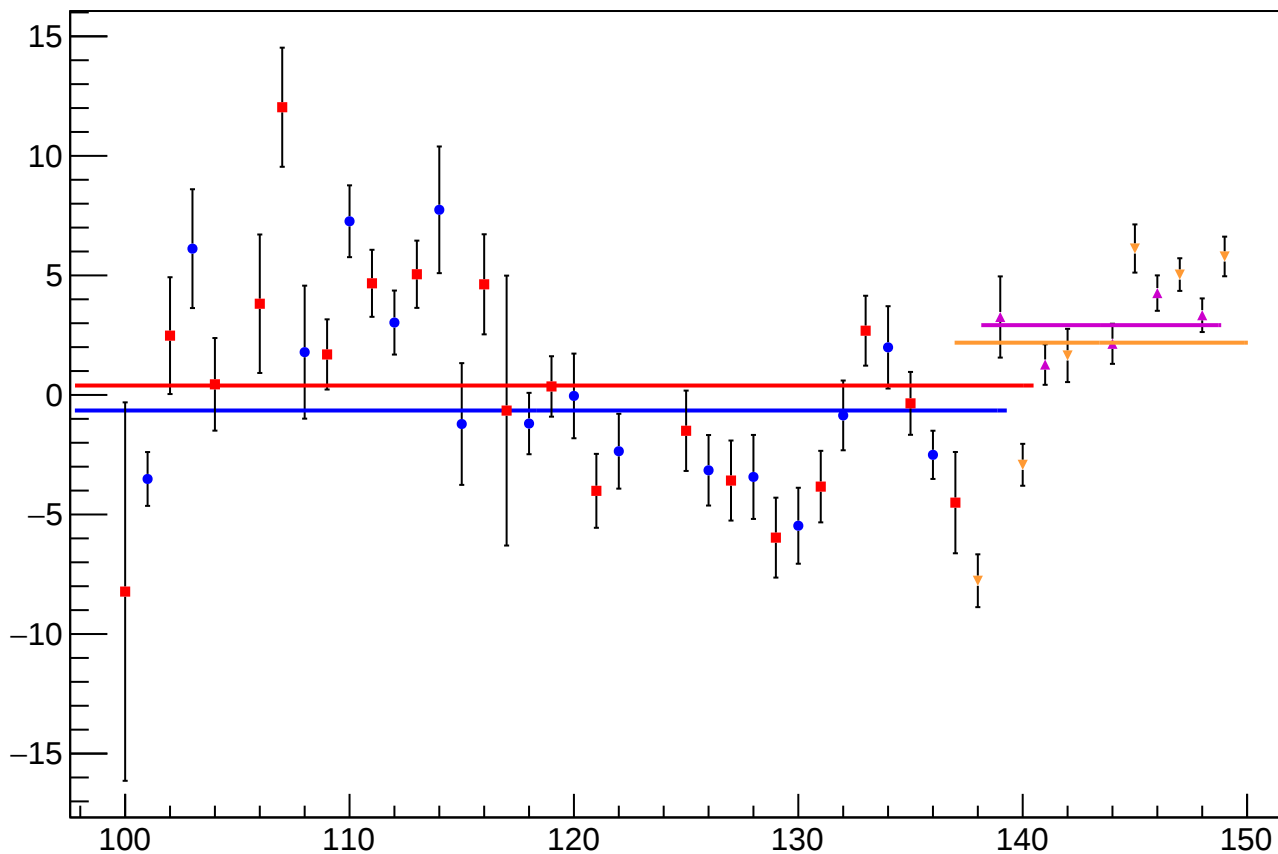
Right Out: -52.455 ± 0.614 χ^2/NDF : 234.8/18

Left In: -52.307 ± 0.453 χ^2/NDF : 258.7/4

-49.550 ± 0.353 χ^2/NDF : 598.4/21

-52.359 ± 0.365 χ^2/NDF : 493.6/23

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.186 ± 0.365 χ^2/NDF : 167.0/5

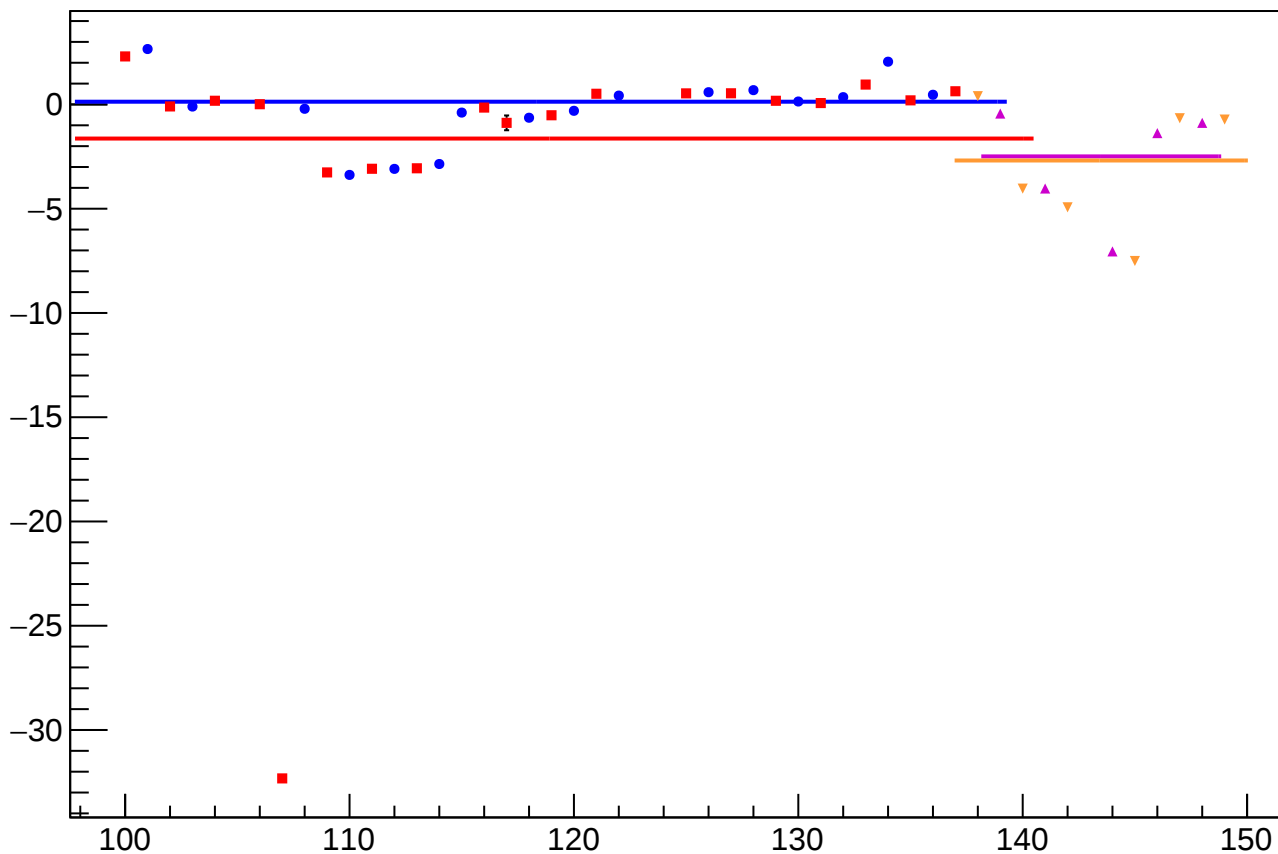
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 2.919 ± 0.378 χ^2/NDF : 8.3/4

0.851 ± 0.265 χ^2/NDF : 277.4/21

1.724 ± 0.274 χ^2/NDF : 125.4/23

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.516 ± 0.014 $\chi^2/\text{NDF}: 40097.2/21$

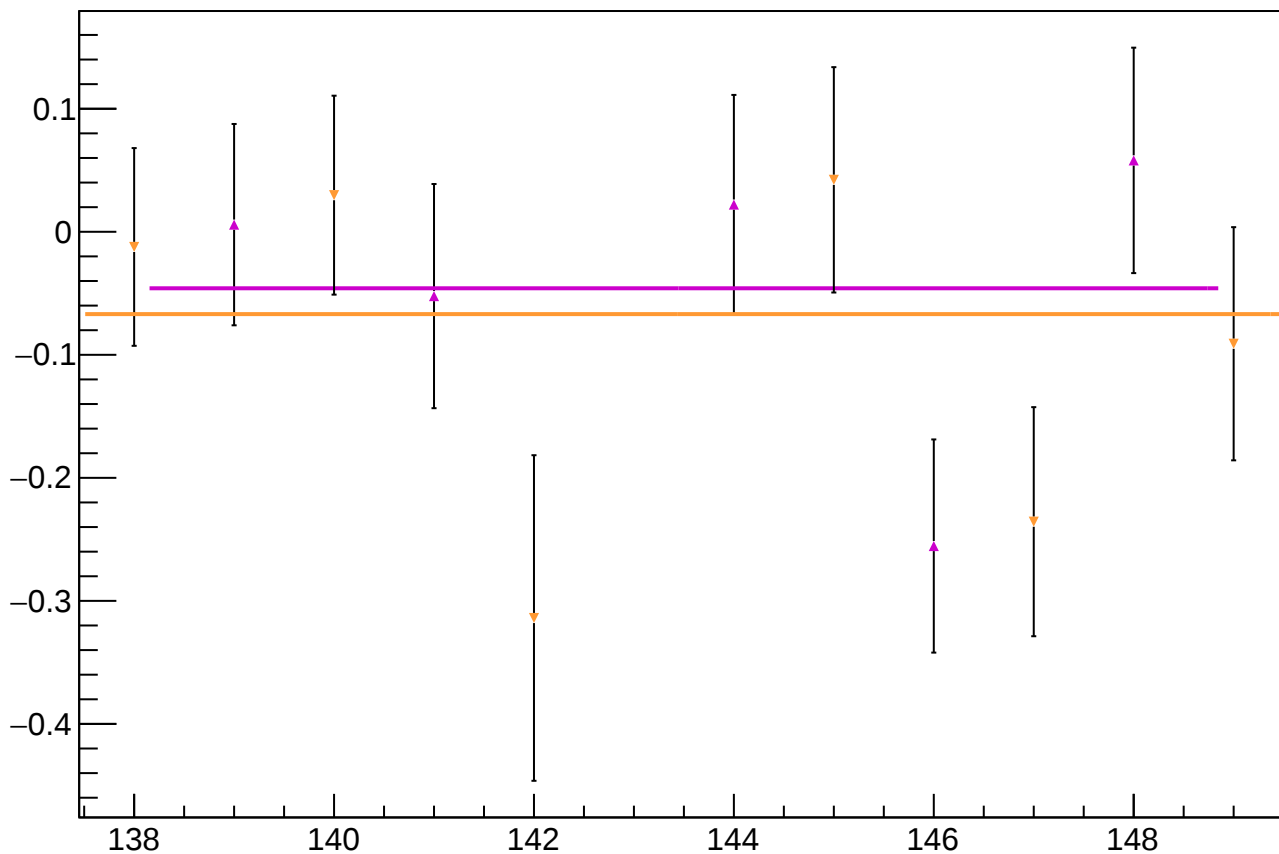
Right Out: -1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

Left In: -2.491 ± 0.019 $\chi^2/\text{NDF}: 16144.6/4$

-1.516 ± 0.014 $\chi^2/\text{NDF}: 40097.2/21$

-2.127 ± 0.014 $\chi^2/\text{NDF}: 94883.2/23$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.067+/-0.038 χ^2/NDF : 10.1/5

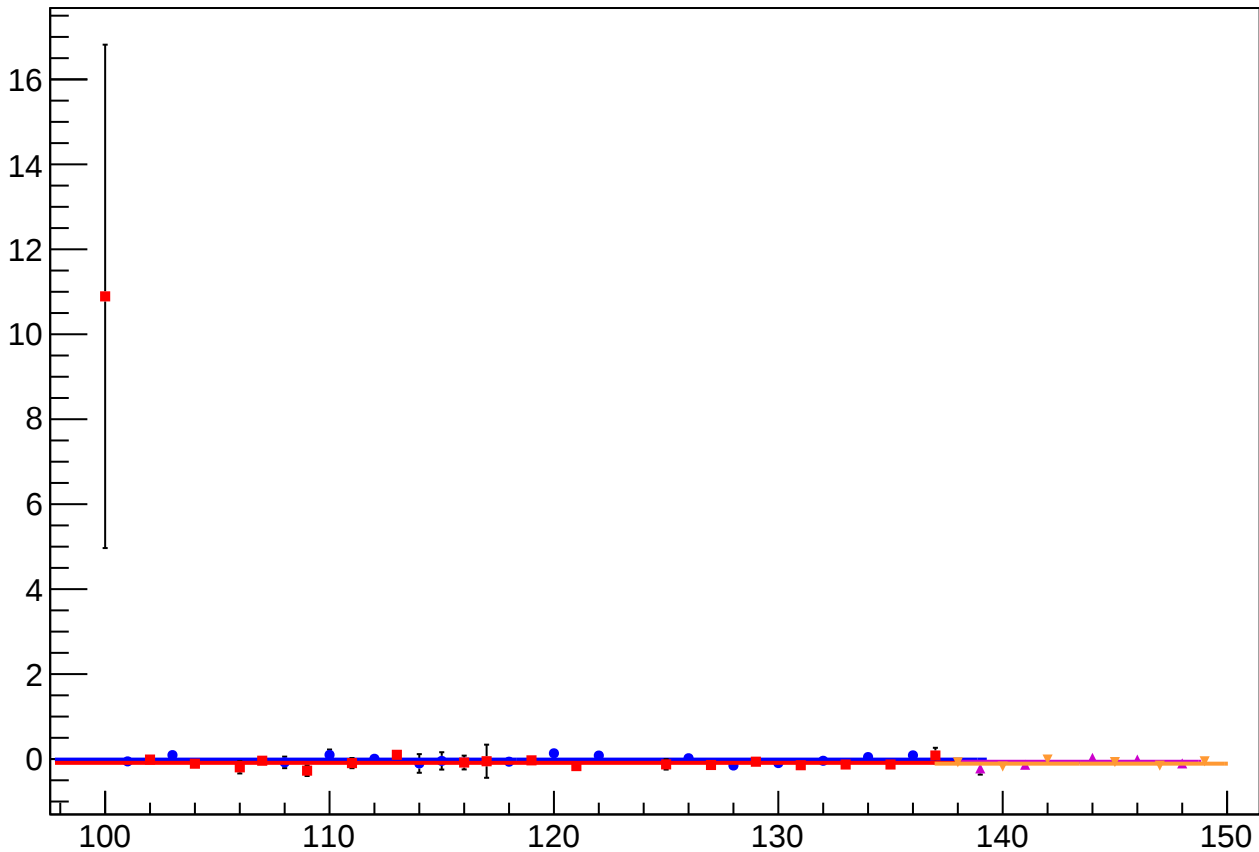
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.046+/-0.039 χ^2/NDF : 8.1/4

-0.067+/-0.038 χ^2/NDF : 10.1/5

-0.046+/-0.039 χ^2/NDF : 8.1/4

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.109 ± 0.026 χ^2/NDF : 4.7/5

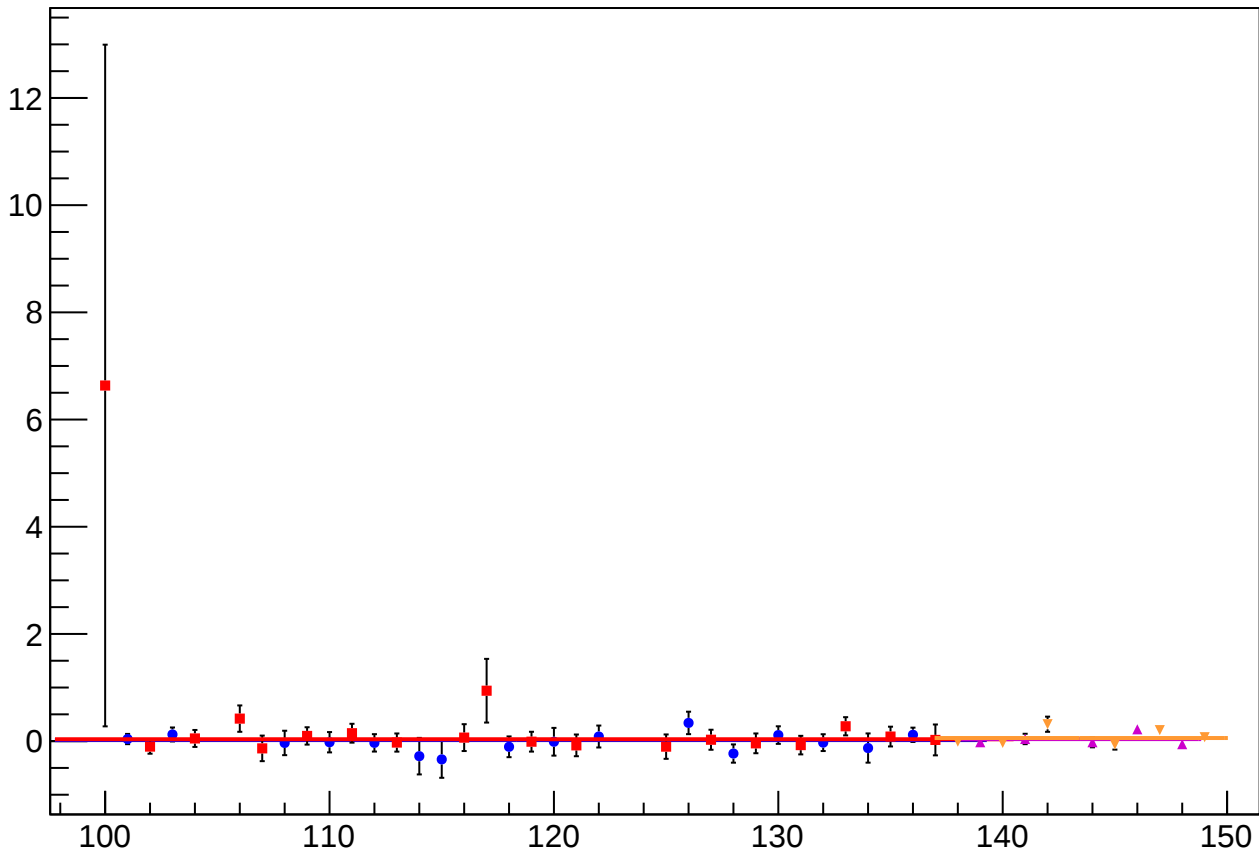
Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/18

Left In: -0.064 ± 0.027 χ^2/NDF : 6.2/4

-0.055 ± 0.018 χ^2/NDF : 23.7/21

-0.077 ± 0.018 χ^2/NDF : 19.6/23

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.058 $\pm$ 0.038 χ^2 /NDF:9.5/5

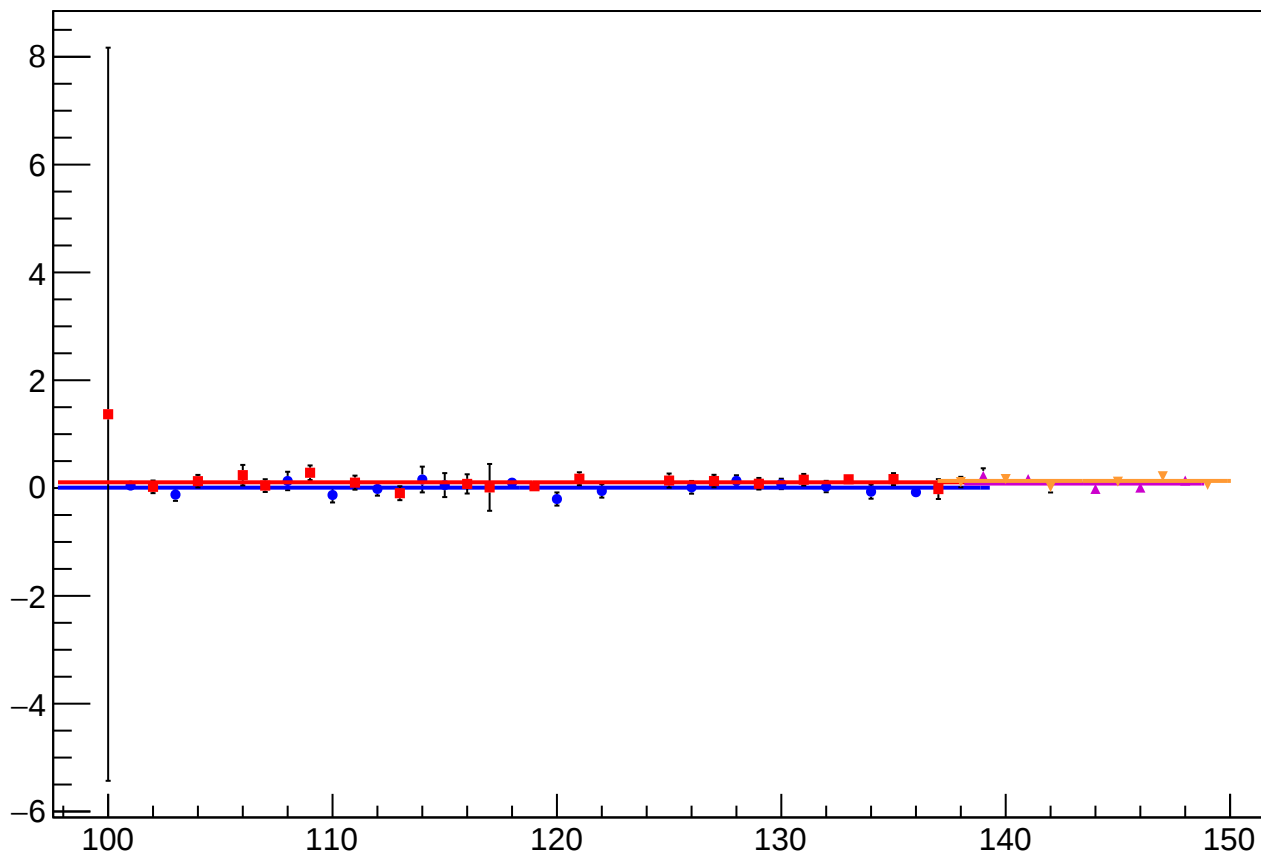
Right Out: 0.035 $\pm$ 0.045 χ^2 /NDF: 11.6/18

Left In: 0.038 $\pm$ 0.040 χ^2 /NDF:6.9/4

0.041 $\pm$ 0.029 χ^2 /NDF: 19.0/21

0.037 $\pm$ 0.030 χ^2 /NDF: 18.5/23

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 +/- 0.027 χ^2/NDF : 11.3/15

Left Out: 0.132 +/- 0.033 χ^2/NDF : 4.5/5

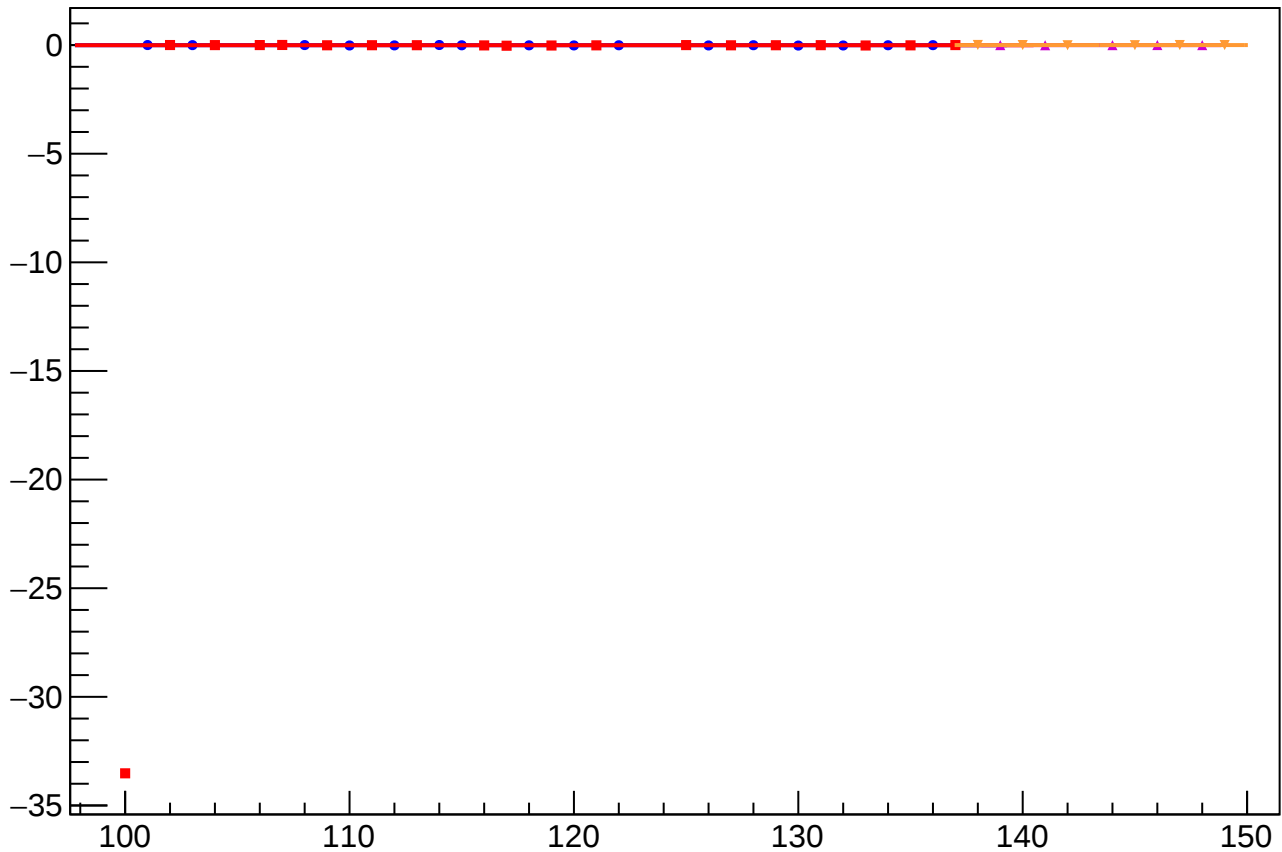
Right Out: 0.106 +/- 0.029 χ^2/NDF : 8.2/18

Left In: 0.084 +/- 0.034 χ^2/NDF : 6.0/4

0.058 +/- 0.021 χ^2/NDF : 24.4/21

0.097 +/- 0.022 χ^2/NDF : 14.4/23

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.000 $\pm$ 0.002 χ^2 /NDF: 6.0/5

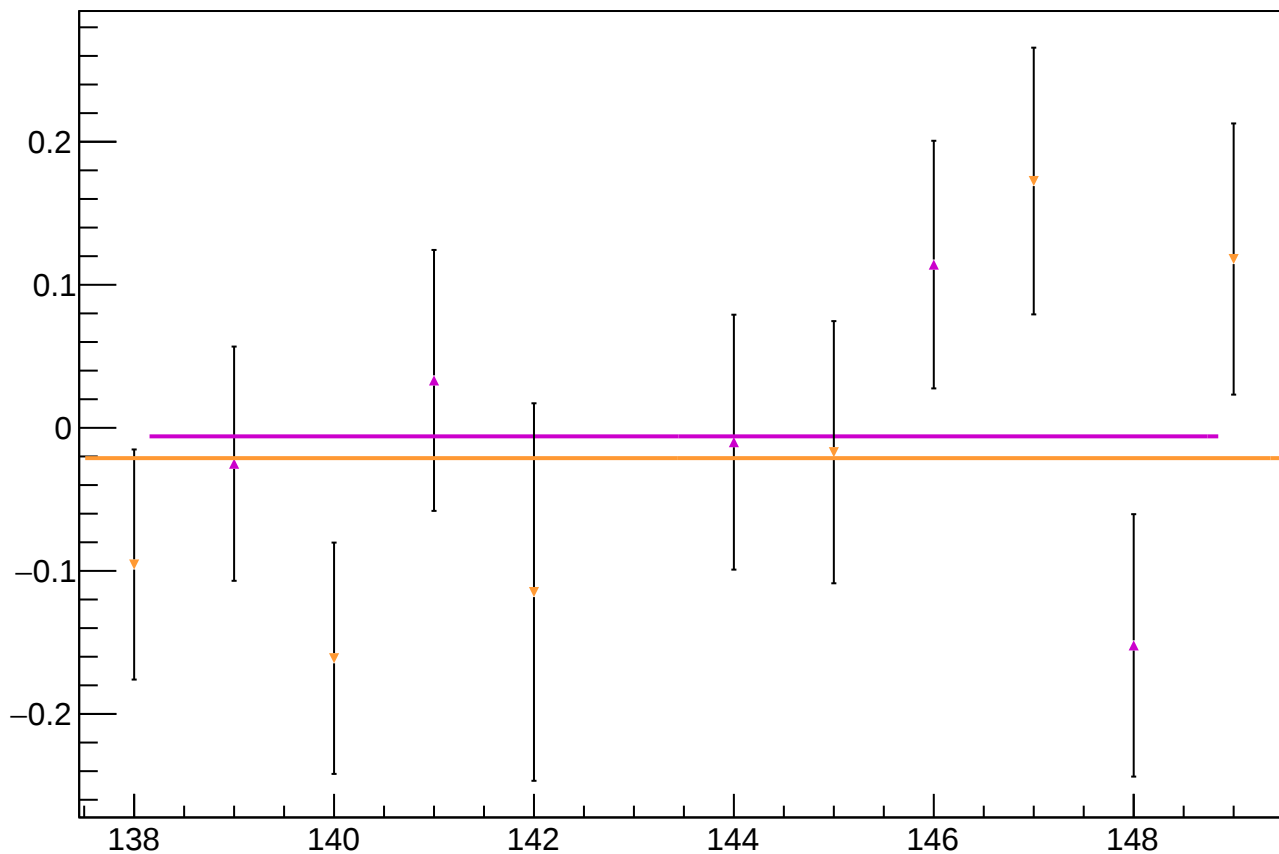
Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26509.5/18

Left In: -0.002 $\pm$ 0.002 χ^2 /NDF: 2.9/4

-0.003 $\pm$ 0.001 χ^2 /NDF: 34.4/21

-0.004 $\pm$ 0.001 χ^2 /NDF: 26515.7/23

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.021+/-0.038 χ^2/NDF : 10.8/5

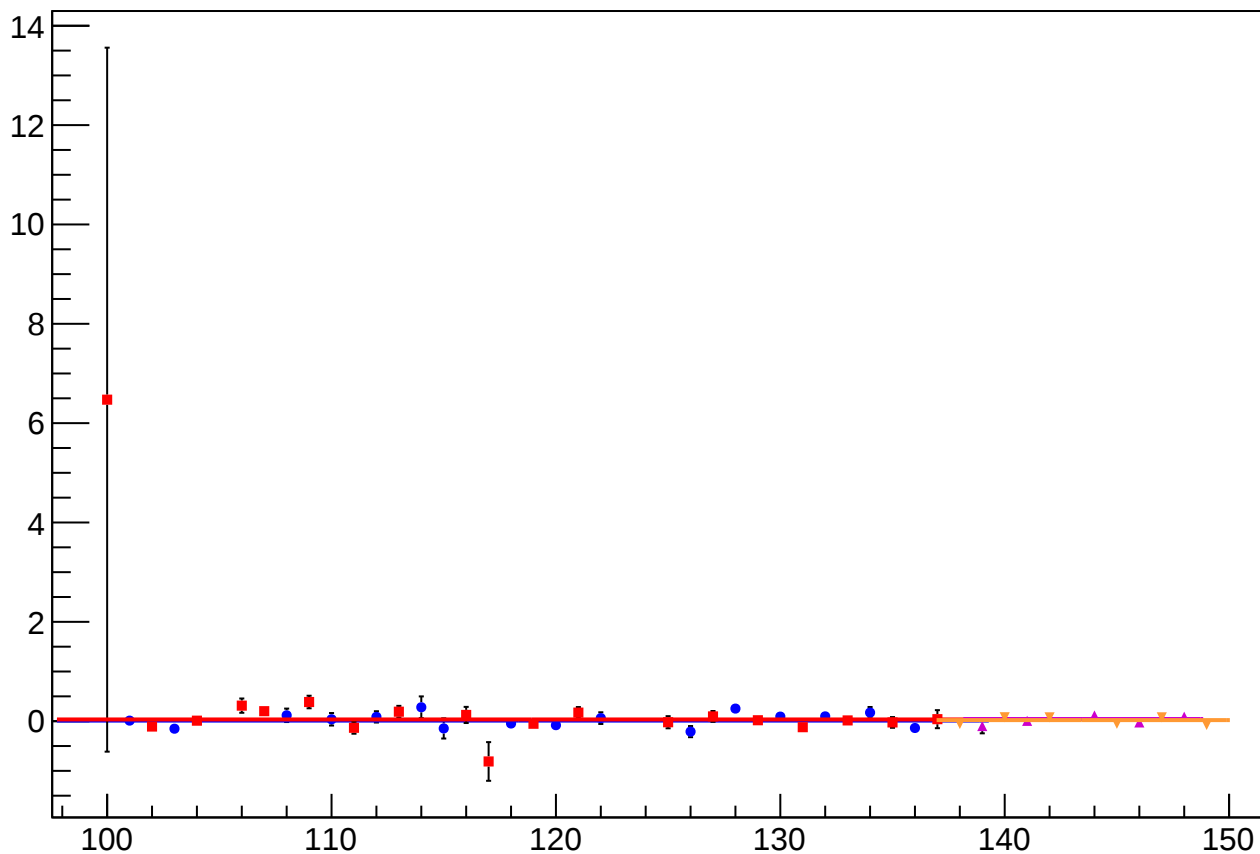
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.006+/-0.039 χ^2/NDF : 4.7/4

-0.021+/-0.038 χ^2/NDF : 10.8/5

-0.006+/-0.039 χ^2/NDF : 4.7/4

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012+/-0.023 χ^2/NDF : 25.0/15

Left Out: 0.022+/-0.026 χ^2/NDF : 7.1/5

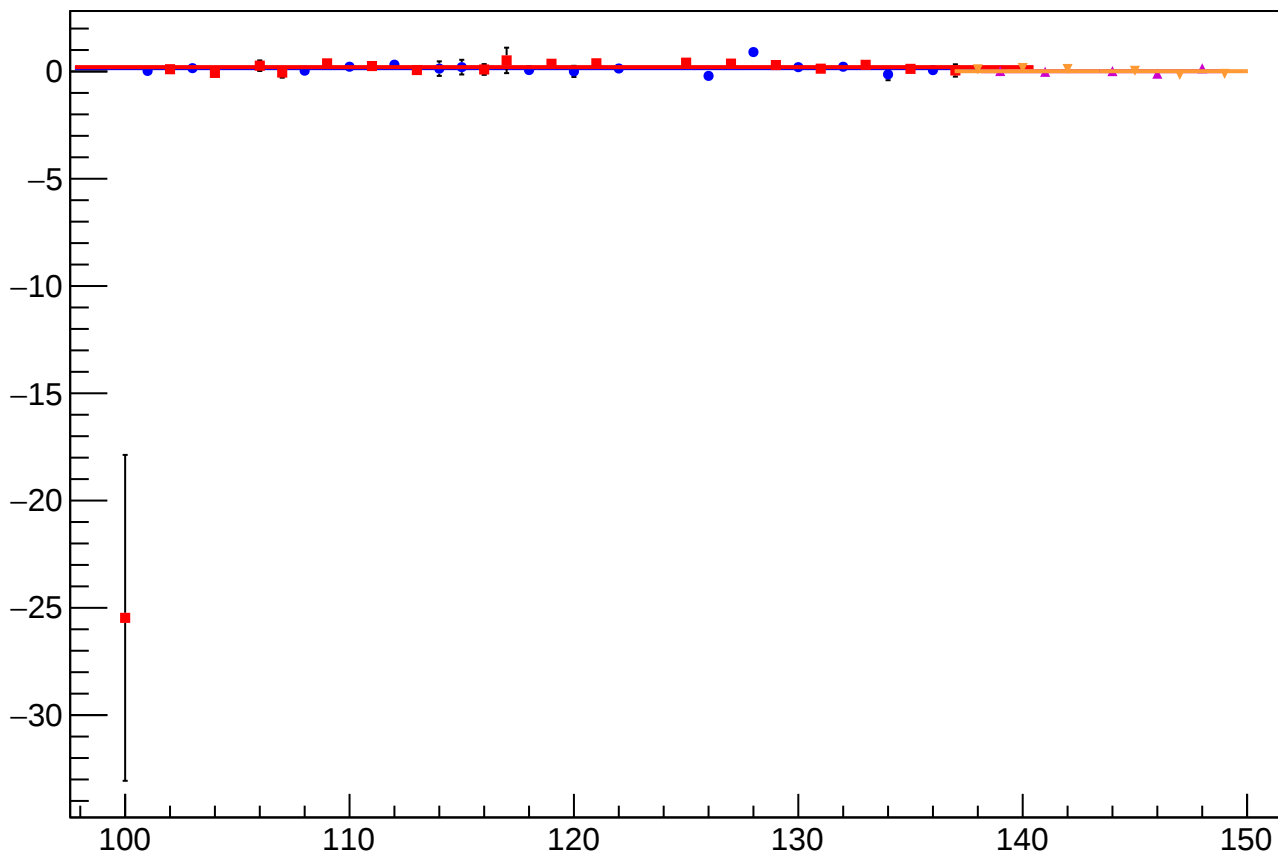
Right Out: 0.035+/-0.025 χ^2/NDF : 33.2/18

Left In: 0.044+/-0.027 χ^2/NDF : 5.4/4

0.016+/-0.018 χ^2/NDF : 32.2/21

0.039+/-0.018 χ^2/NDF : 38.7/23

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.012+/-0.038 χ^2/NDF : 10.5/5

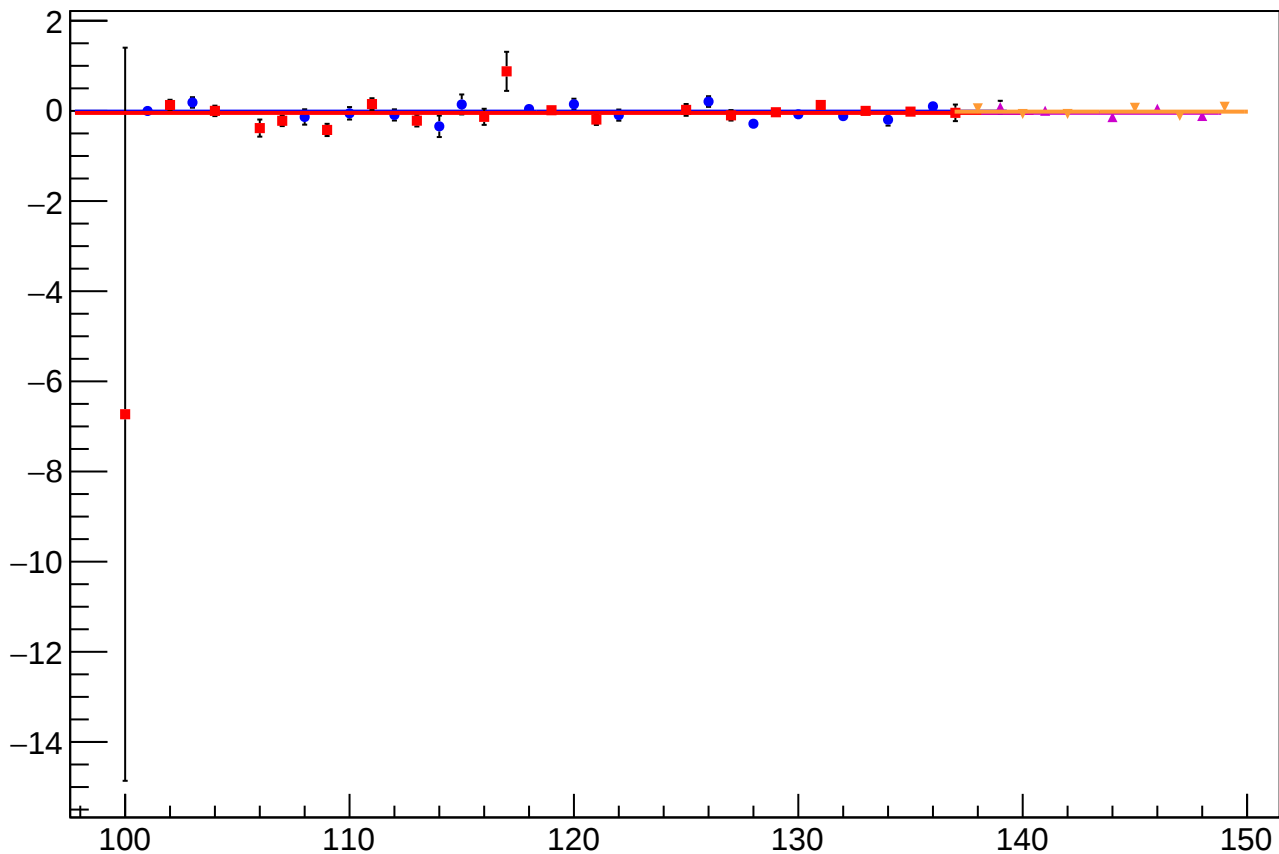
Right Out: 0.203+/-0.045 χ^2/NDF : 22.9/18

Left In: 0.013+/-0.040 χ^2/NDF : 4.5/4

0.075+/-0.029 χ^2/NDF : 44.5/21

0.097+/-0.030 χ^2/NDF : 37.4/23

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: -0.016 ± 0.033 χ^2/NDF : 6.7/5

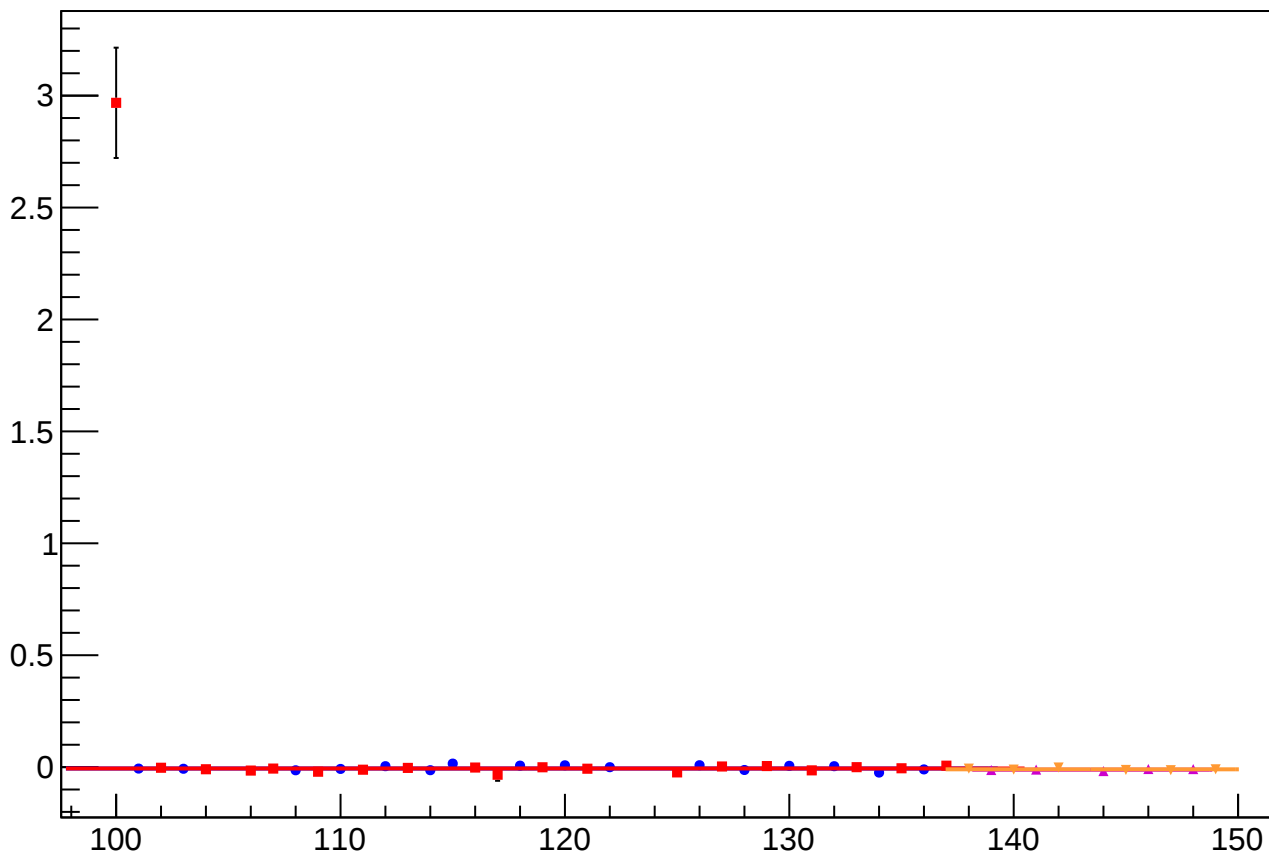
Right Out: -0.044 ± 0.029 χ^2/NDF : 30.5/18

Left In: -0.042 ± 0.034 χ^2/NDF : 5.9/4

-0.016 ± 0.021 χ^2/NDF : 31.0/21

-0.044 ± 0.022 χ^2/NDF : 36.4/23

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.010 ± 0.002 χ^2/NDF : 4.5/5

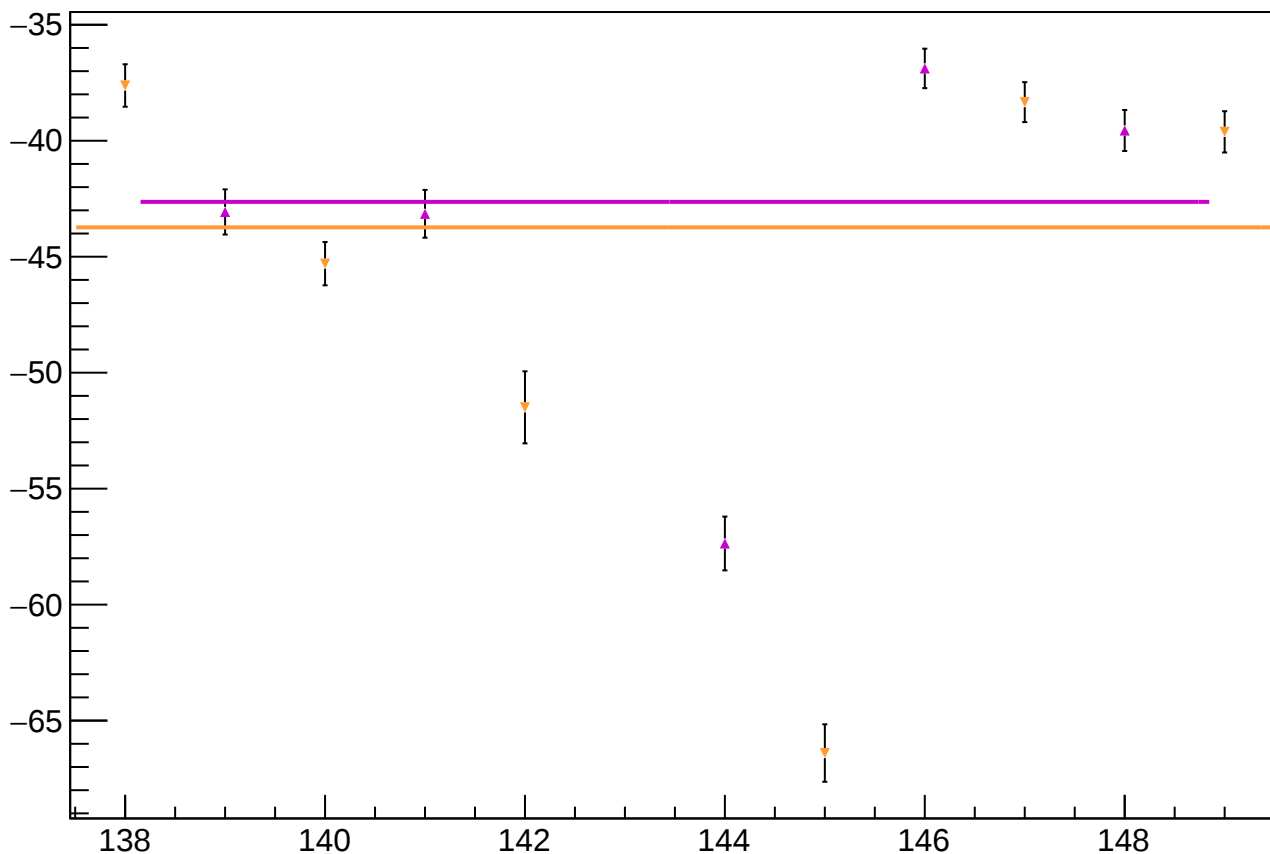
Right Out: -0.006 ± 0.001 χ^2/NDF : 167.0/18

Left In: -0.012 ± 0.002 χ^2/NDF : 3.6/4

-0.008 ± 0.001 χ^2/NDF : 34.6/21

-0.009 ± 0.001 χ^2/NDF : 176.9/23

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -43.735+/-0.408 χ^2/NDF : 467.3/5

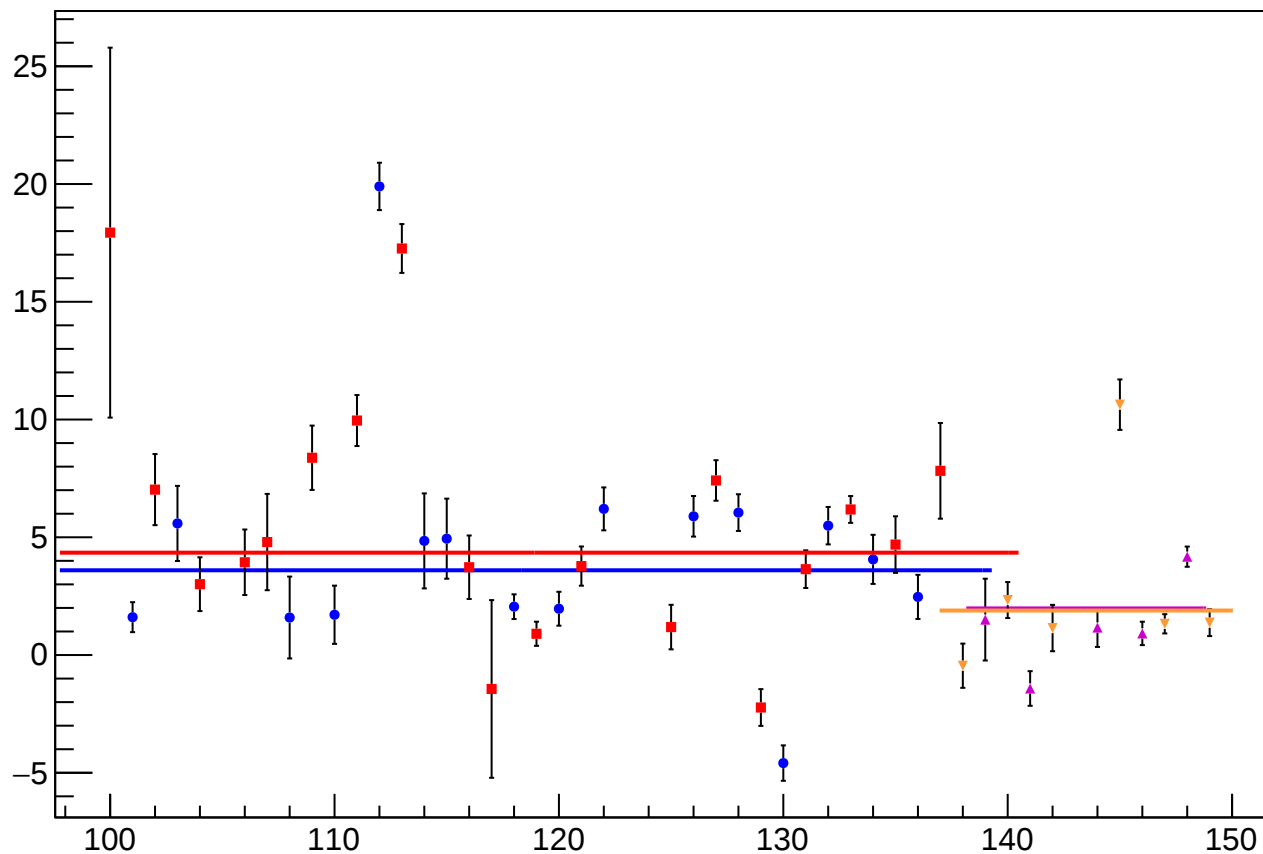
-43.735+/-0.408 χ^2/NDF : 467.3/5

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-42.635+/-0.430 χ^2/NDF : 219.4/4

Left In: -42.635+/-0.430 χ^2/NDF : 219.4/4

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 1.890 ± 0.269 $\chi^2/\text{NDF}: 76.4/5$

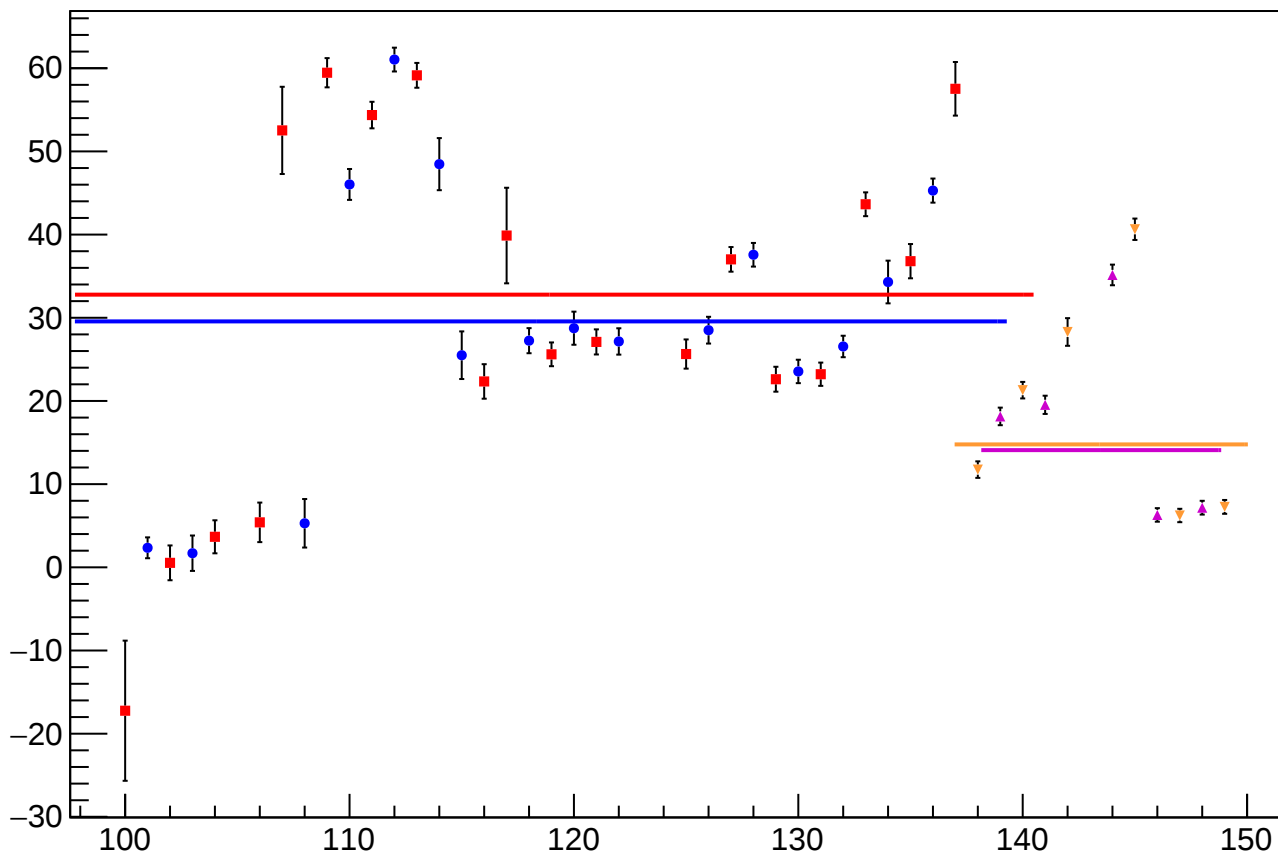
Right Out: 4.347 ± 0.224 $\chi^2/\text{NDF}: 355.4/18$

Left In: 1.979 ± 0.276 $\chi^2/\text{NDF}: 53.2/4$

2.913 ± 0.170 $\chi^2/\text{NDF}: 544.0/21$

3.404 ± 0.174 $\chi^2/\text{NDF}: 453.0/23$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 14.776 $\pm$ 0.409 χ^2 /NDF: 717.1/5

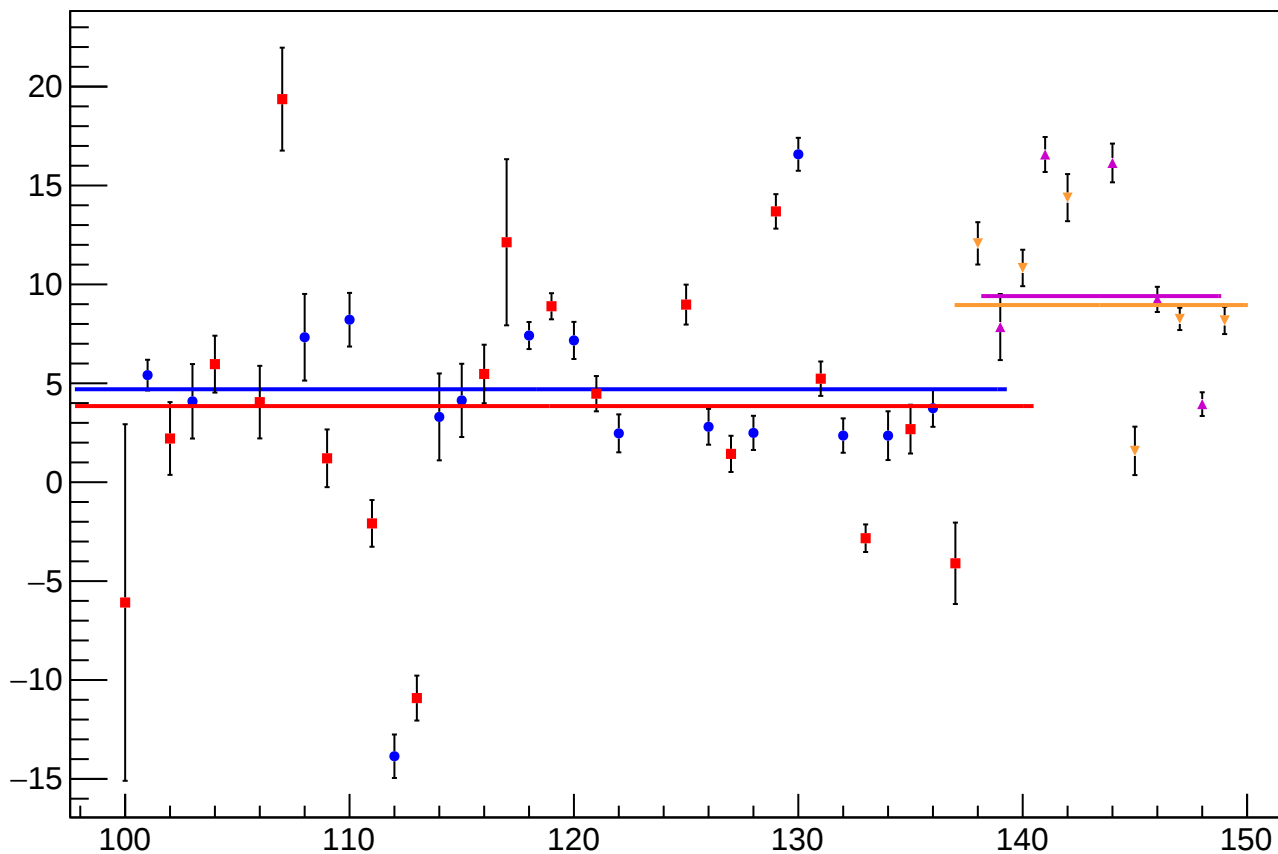
Right Out: 32.780 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

Left In: 14.089 $\pm$ 0.433 χ^2 /NDF: 488.9/4

21.979 $\pm$ 0.293 χ^2 /NDF: 2848.9/21

23.673 $\pm$ 0.302 χ^2 /NDF: 3111.3/23

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 $\pm$ 0.254 χ^2 /NDF: 548.9/15

Left Out: 8.956 $\pm$ 0.339 χ^2 /NDF: 72.5/5

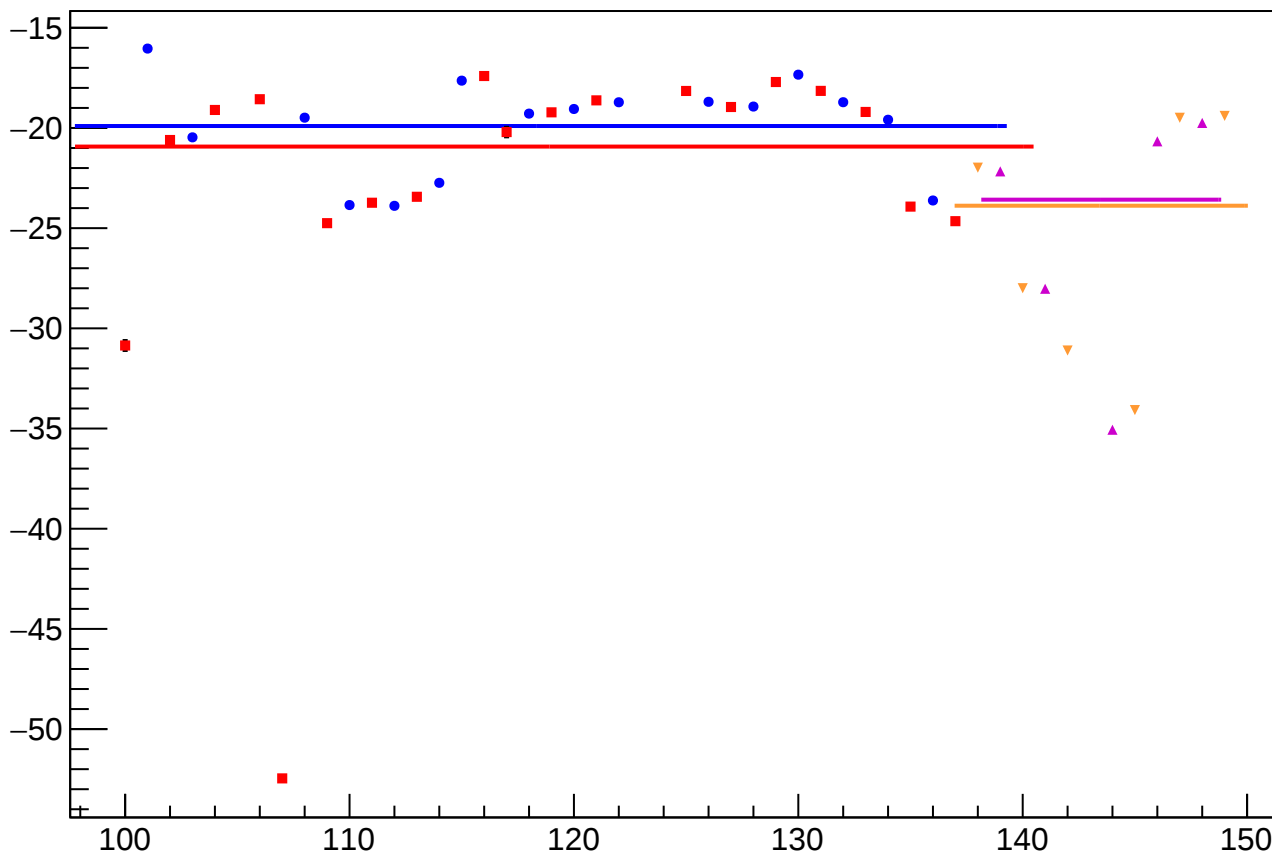
Right Out: 3.848 $\pm$ 0.258 χ^2 /NDF: 571.5/18

Left In: 9.409 $\pm$ 0.355 χ^2 /NDF: 196.6/4

6.227 $\pm$ 0.203 χ^2 /NDF: 722.3/21

5.769 $\pm$ 0.209 χ^2 /NDF: 928.7/23

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 $\pm$ 0.016 χ^2 /NDF: 26054.0/15

Left Out: -23.880 $\pm$ 0.018 χ^2 /NDF: 92013.7/5

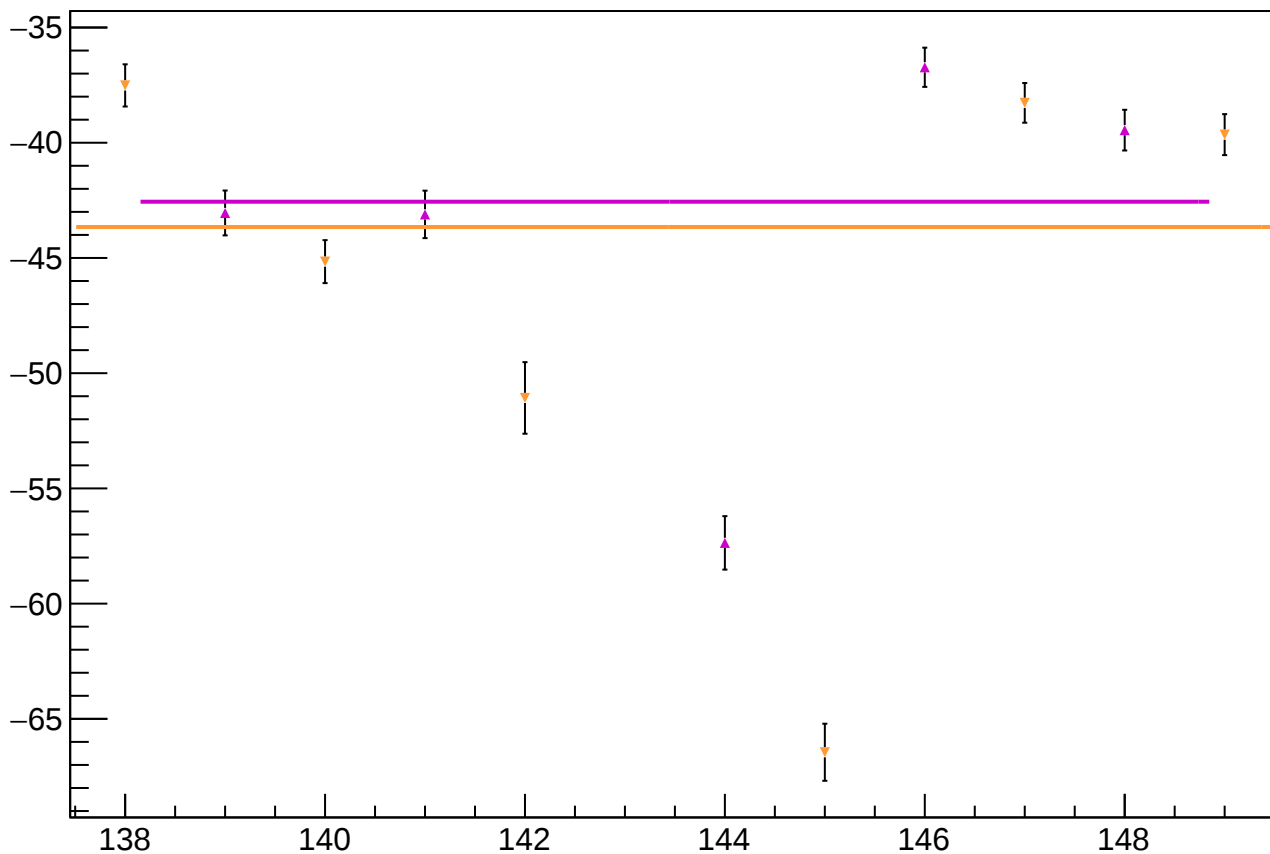
Right Out: -20.928 $\pm$ 0.016 χ^2 /NDF: 94015.9/18

Left In: -23.578 $\pm$ 0.018 χ^2 /NDF: 73658.7/4

-21.668 $\pm$ 0.012 χ^2 /NDF: 146744.3/21

-22.072 $\pm$ 0.012 χ^2 /NDF: 179981.3/23

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -43.656+/-0.407 χ^2/NDF : 468.5/5

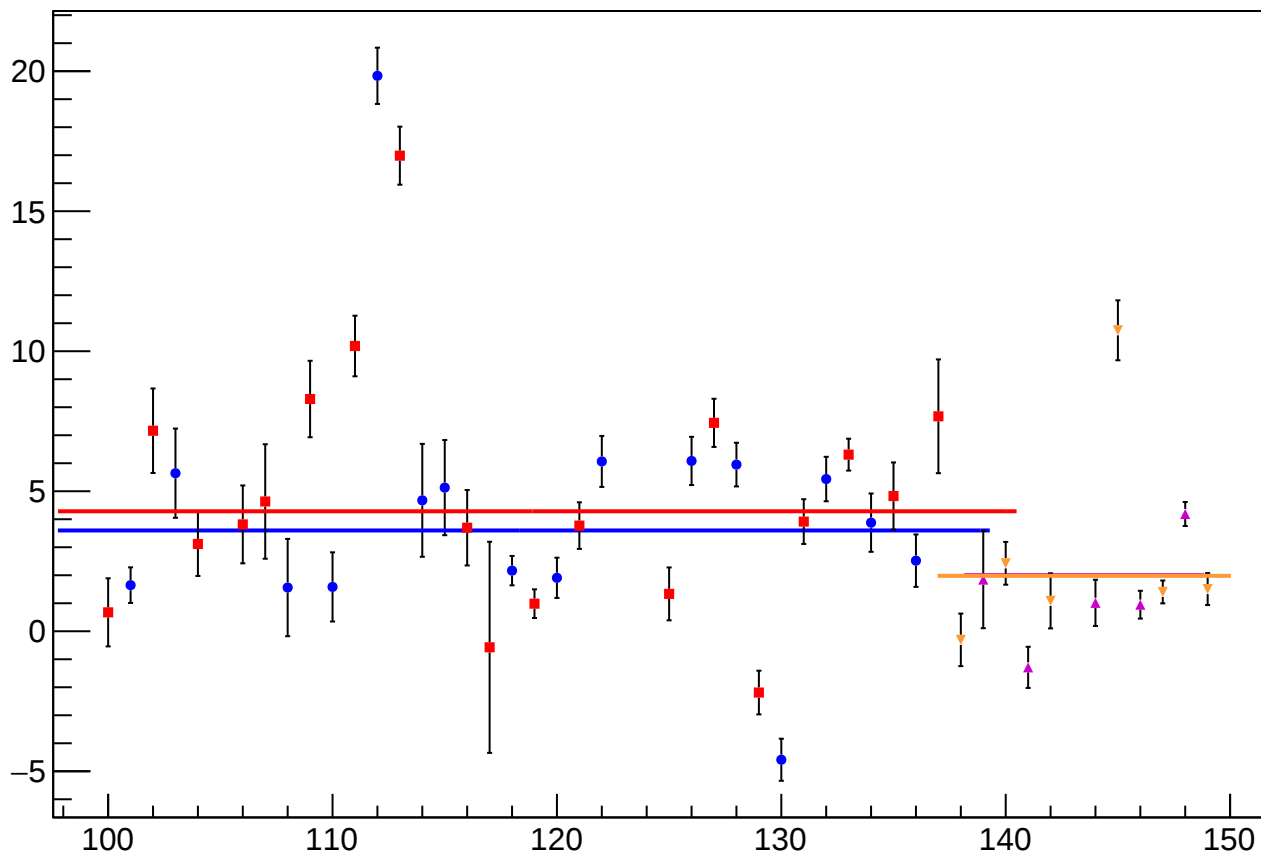
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -42.558+/-0.430 χ^2/NDF : 222.9/4

-43.656+/-0.407 χ^2/NDF : 468.5/5

-42.558+/-0.430 χ^2/NDF : 222.9/4

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 1.979 ± 0.269 $\chi^2/\text{NDF}: 76.8/5$

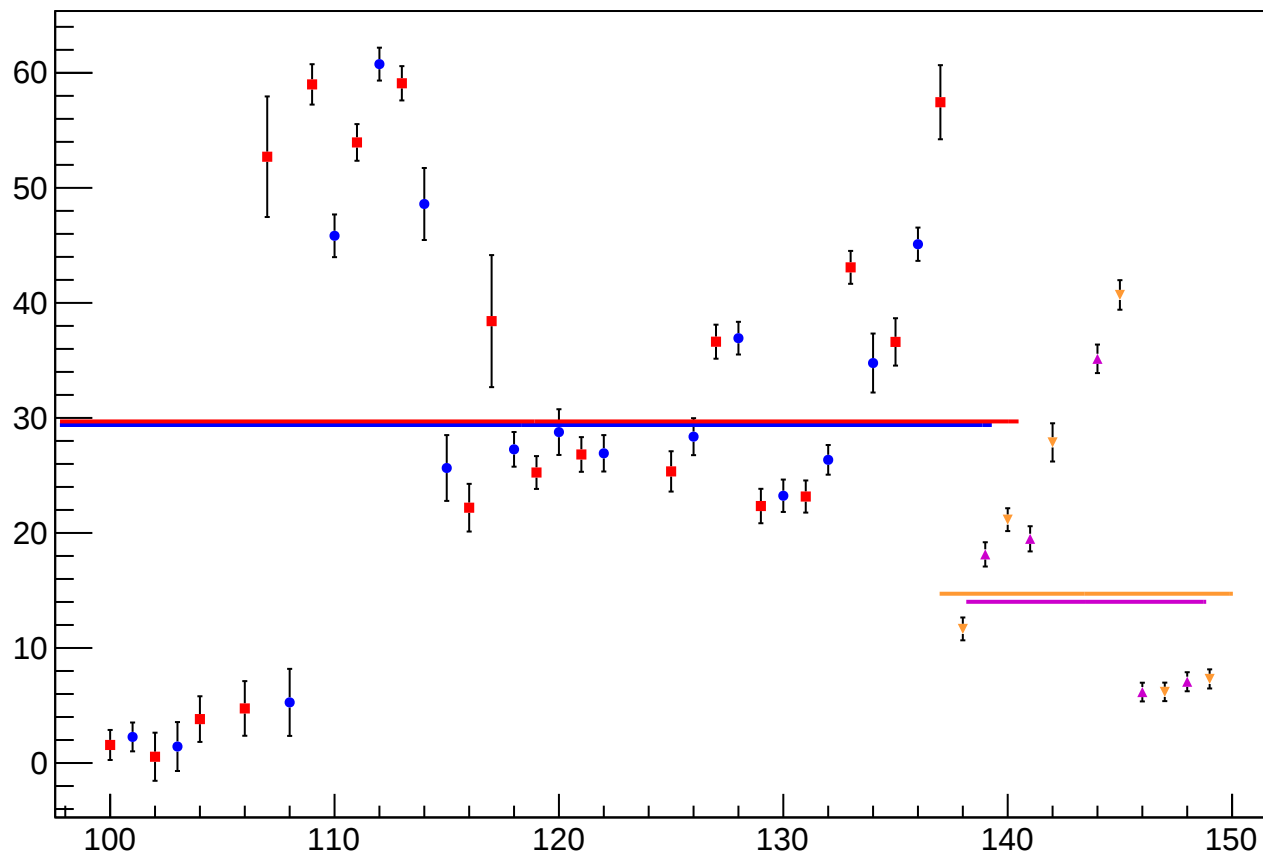
Right Out: 4.284 ± 0.221 $\chi^2/\text{NDF}: 353.8/18$

Left In: 2.004 ± 0.276 $\chi^2/\text{NDF}: 52.0/4$

2.949 ± 0.170 $\chi^2/\text{NDF}: 538.8/21$

3.394 ± 0.172 $\chi^2/\text{NDF}: 447.5/23$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 14.717 $\pm$ 0.409 χ^2 /NDF: 714.5/5

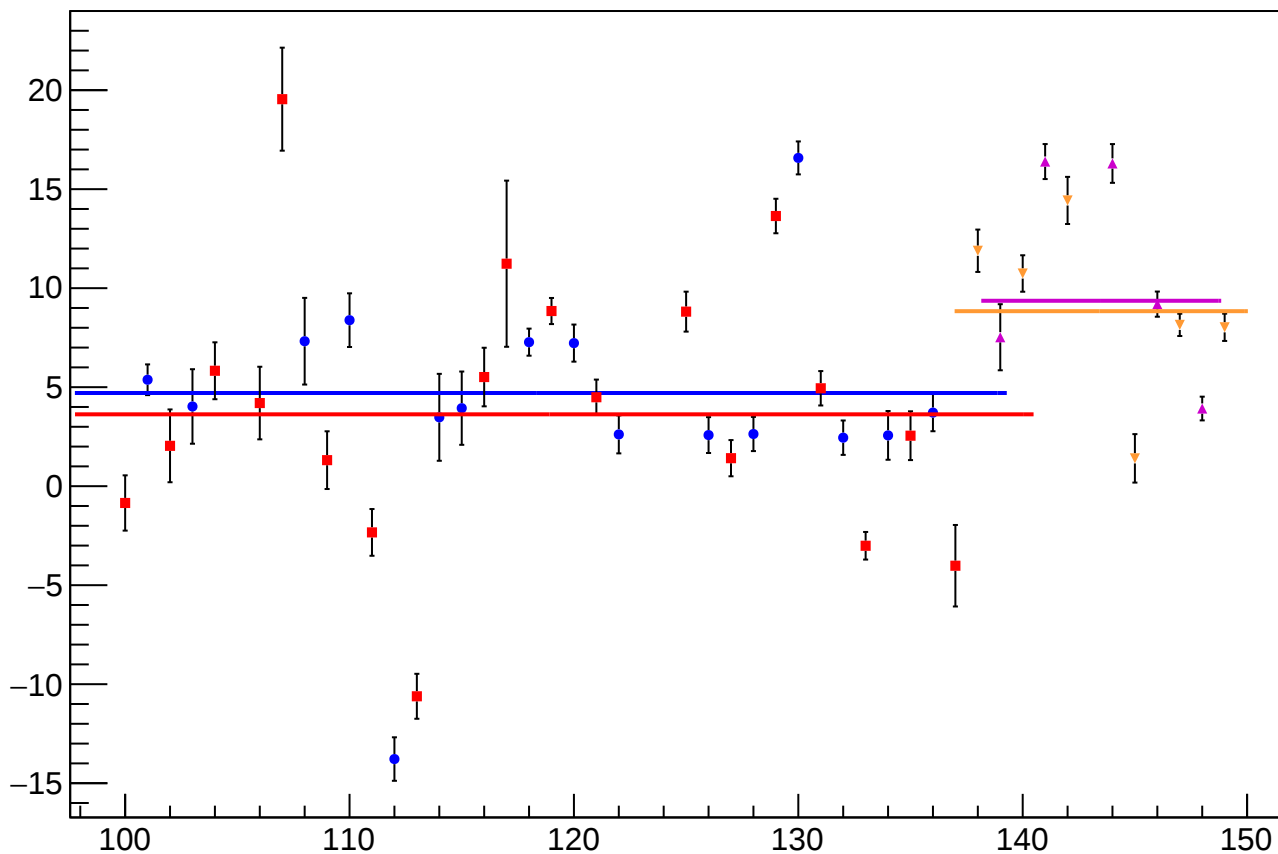
Right Out: 29.695 $\pm$ 0.401 χ^2 /NDF: 2133.3/18

Left In: 14.014 $\pm$ 0.432 χ^2 /NDF: 494.0/4

21.864 $\pm$ 0.293 χ^2 /NDF: 2831.1/21

22.435 $\pm$ 0.294 χ^2 /NDF: 3334.0/23

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 8.838 ± 0.339 χ^2/NDF : 74.3/5

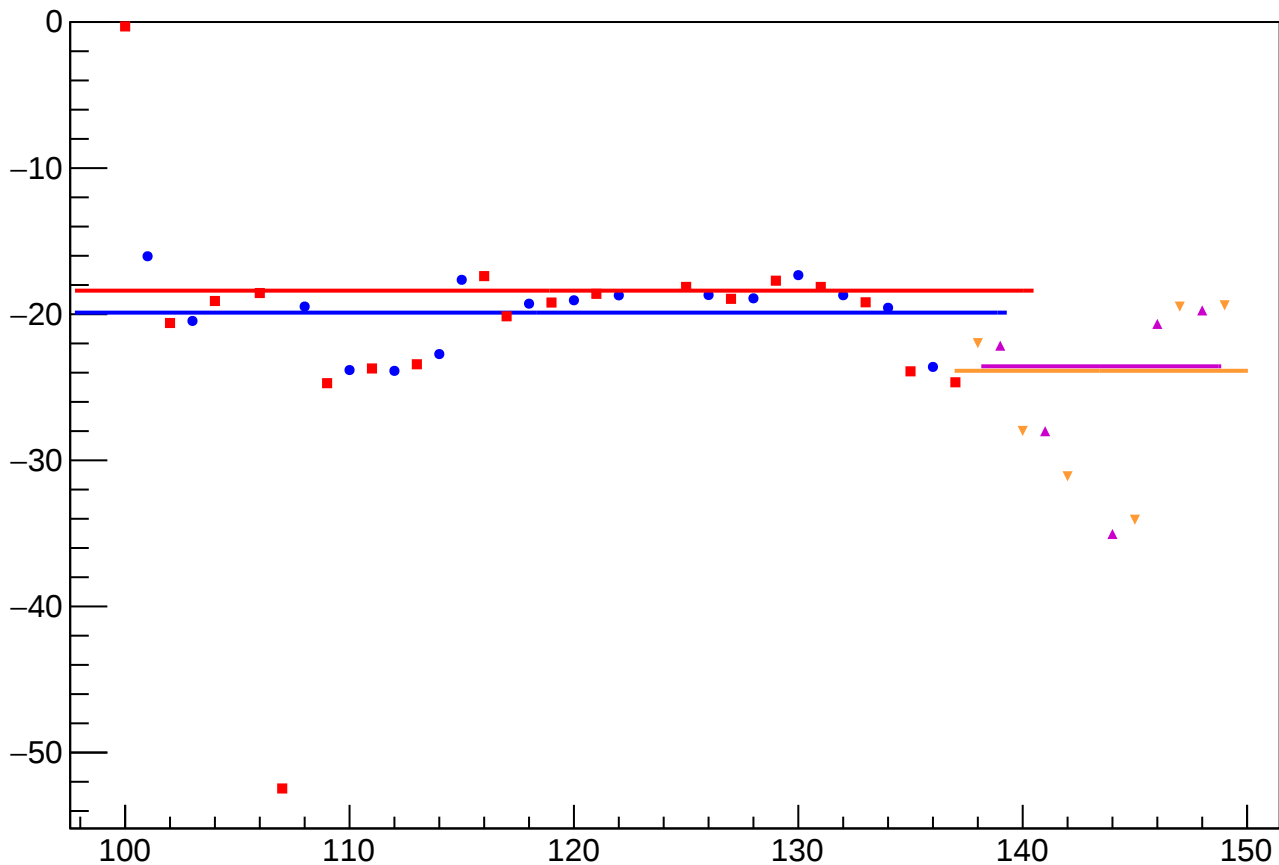
Right Out: 3.629 ± 0.254 χ^2/NDF : 576.7/18

Left In: 9.364 ± 0.355 χ^2/NDF : 197.2/4

6.190 ± 0.203 χ^2/NDF : 714.6/21

5.567 ± 0.206 χ^2/NDF : 946.8/23

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -23.871 ± 0.018 χ^2/NDF : 92070.5/5

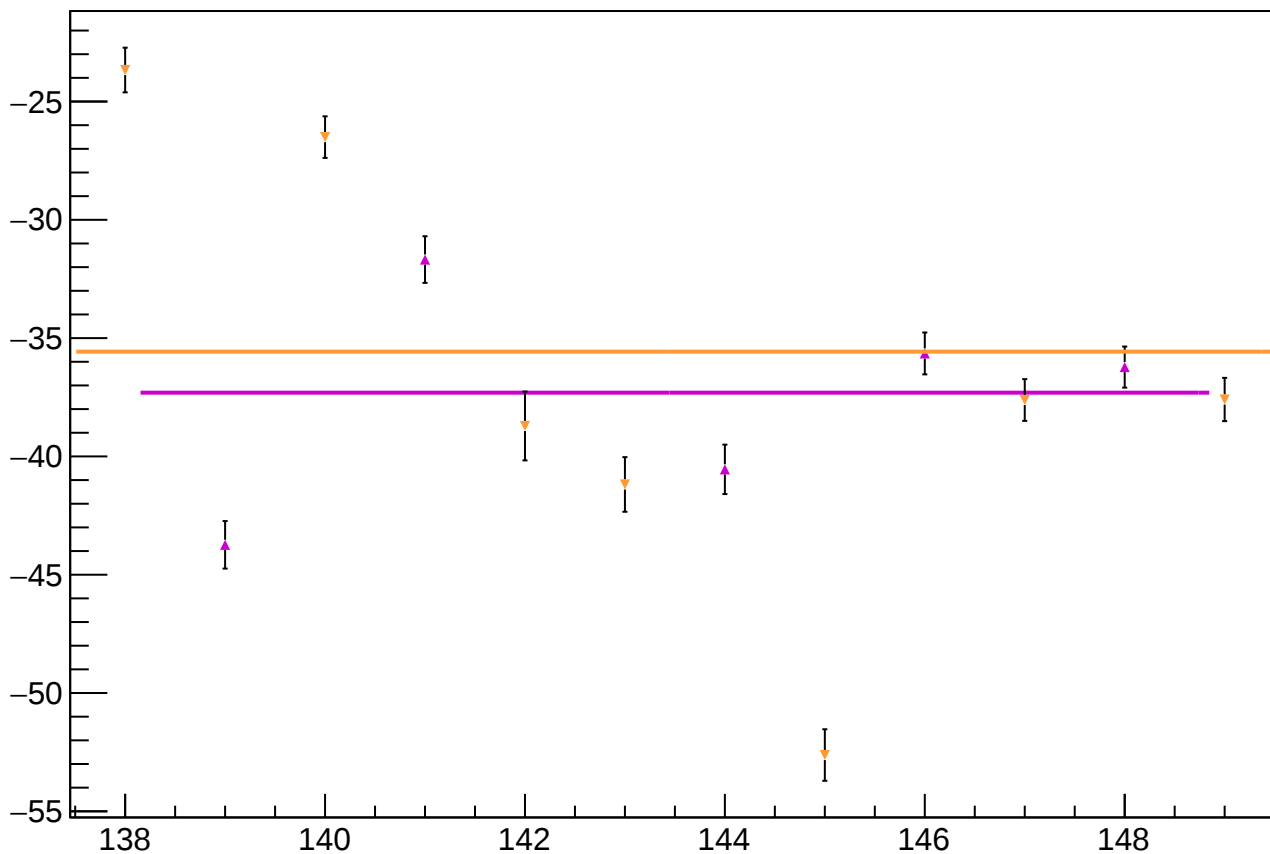
Right Out: -18.386 ± 0.015 χ^2/NDF : 301044.3/18

Left In: -23.566 ± 0.018 χ^2/NDF : 73615.8/4

-21.657 ± 0.012 χ^2/NDF : 146874.5/21

-20.463 ± 0.011 χ^2/NDF : 424284.7/23

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -35.573+/-0.379 χ^2/NDF : 549.0/6

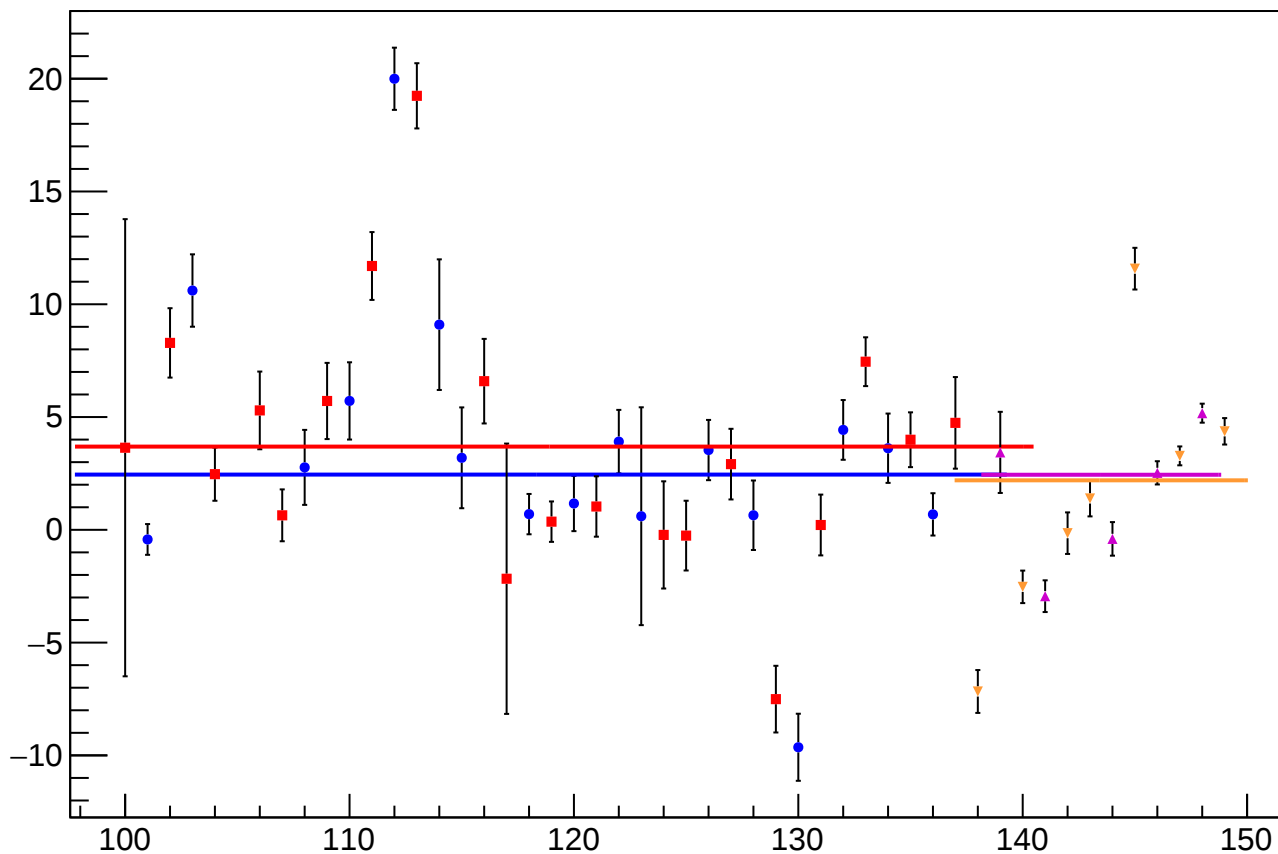
-35.573+/-0.379 χ^2/NDF : 549.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-37.305+/-0.425 χ^2/NDF : 88.3/4

Left In: -37.305+/-0.425 χ^2/NDF : 88.3/4

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 2.194 ± 0.253 χ^2/NDF : 271.0/6

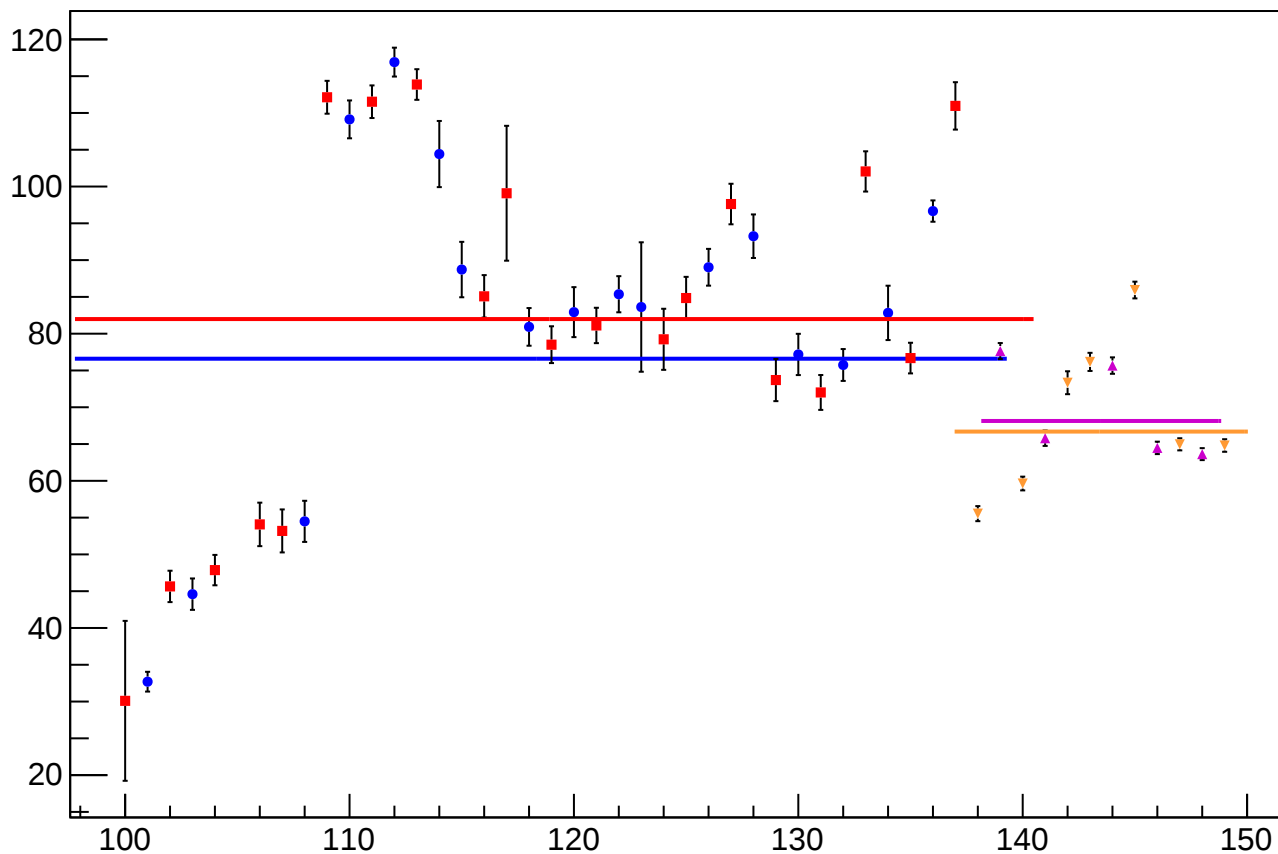
Right Out: 3.690 ± 0.326 χ^2/NDF : 270.4/19

Left In: 2.442 ± 0.272 χ^2/NDF : 115.5/4

2.295 ± 0.197 χ^2/NDF : 566.7/23

2.954 ± 0.209 χ^2/NDF : 394.5/24

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598±/0.576 χ^2/NDF : 2255.1/16

Left Out: 66.694±/0.384 χ^2/NDF :548.3/6

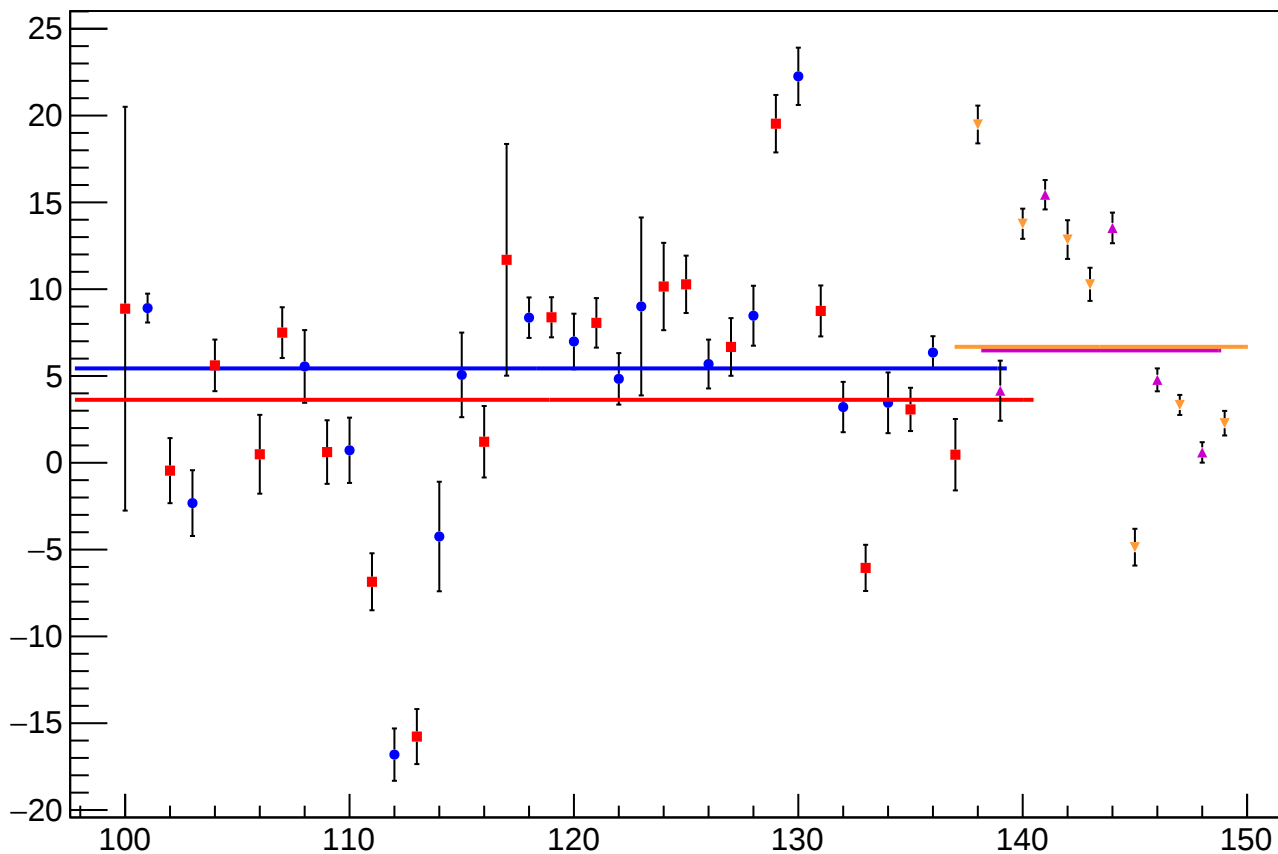
Right Out: 81.987±/0.591 χ^2/NDF : 1574.2/19

Left In: 68.136±/0.428 χ^2/NDF :176.0/4

69.742±/0.320 χ^2/NDF : 3008.1/23

72.901±/0.347 χ^2/NDF : 2110.8/24

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 $\pm$ 0.360 χ^2/NDF : 387.2/16

Left Out: 6.680 $\pm$ 0.317 χ^2/NDF : 441.1/6

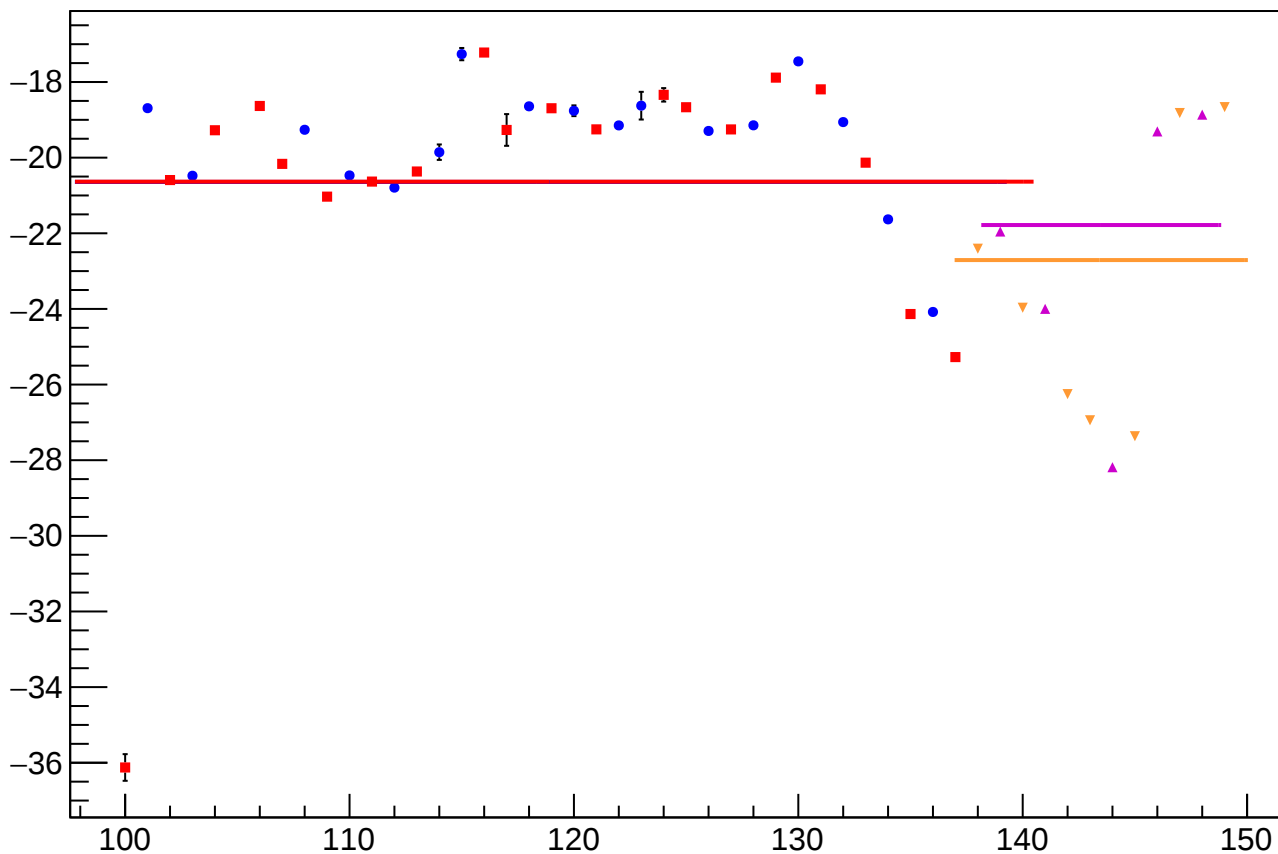
Right Out: 3.628 $\pm$ 0.374 χ^2/NDF : 424.8/19

Left In: 6.473 $\pm$ 0.349 χ^2/NDF : 284.1/4

6.138 $\pm$ 0.238 χ^2/NDF : 835.1/23

5.149 $\pm$ 0.255 χ^2/NDF : 739.8/24

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 $\pm$ 0.019 χ^2 /NDF: 12431.5/16

Left Out: -22.708 $\pm$ 0.016 χ^2 /NDF: 44199.4/6

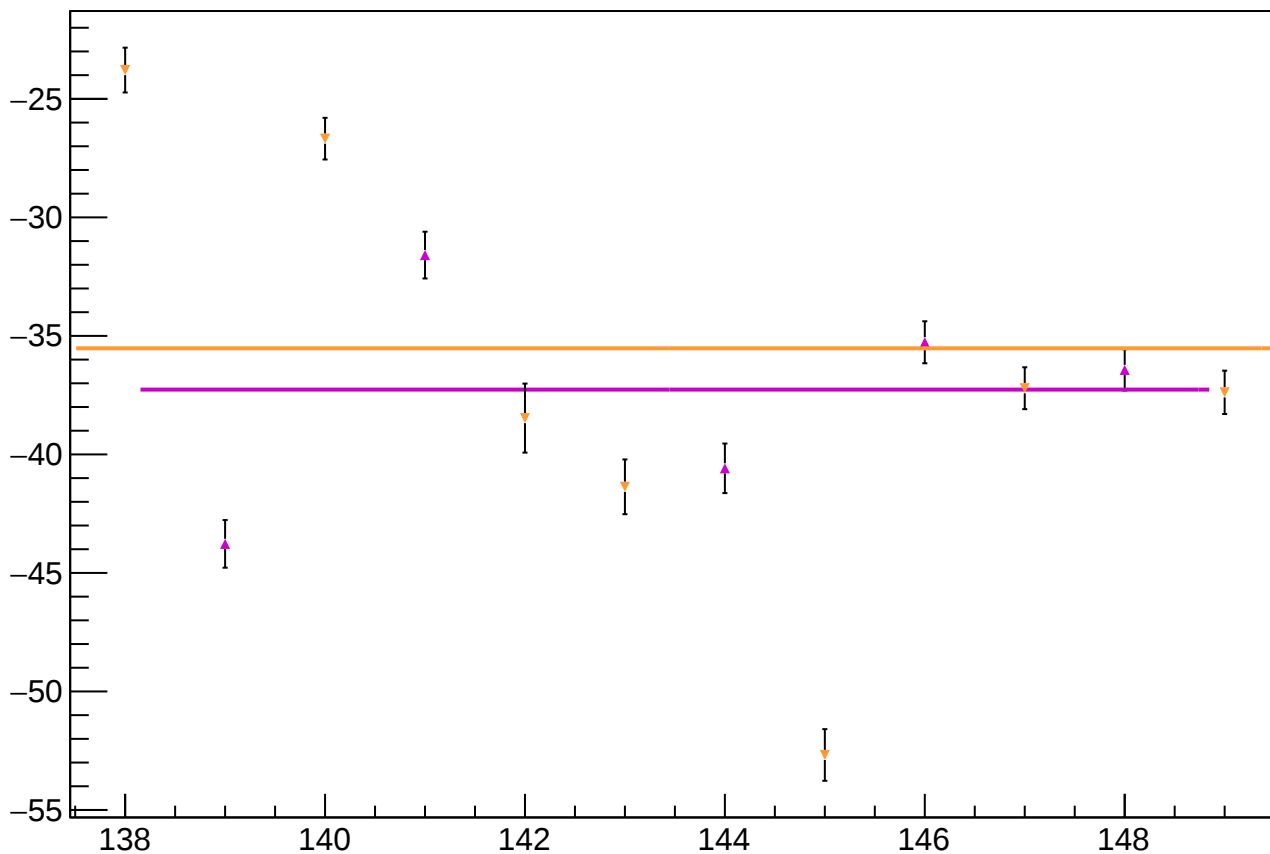
Right Out: -20.635 $\pm$ 0.019 χ^2 /NDF: 13794.0/19

Left In: -21.782 $\pm$ 0.018 χ^2 /NDF: 30961.7/4

-21.849 $\pm$ 0.012 χ^2 /NDF: 63303.5/23

-21.257 $\pm$ 0.013 χ^2 /NDF: 46645.3/24

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -35.524+/-0.379 χ^2/NDF : 540.8/6

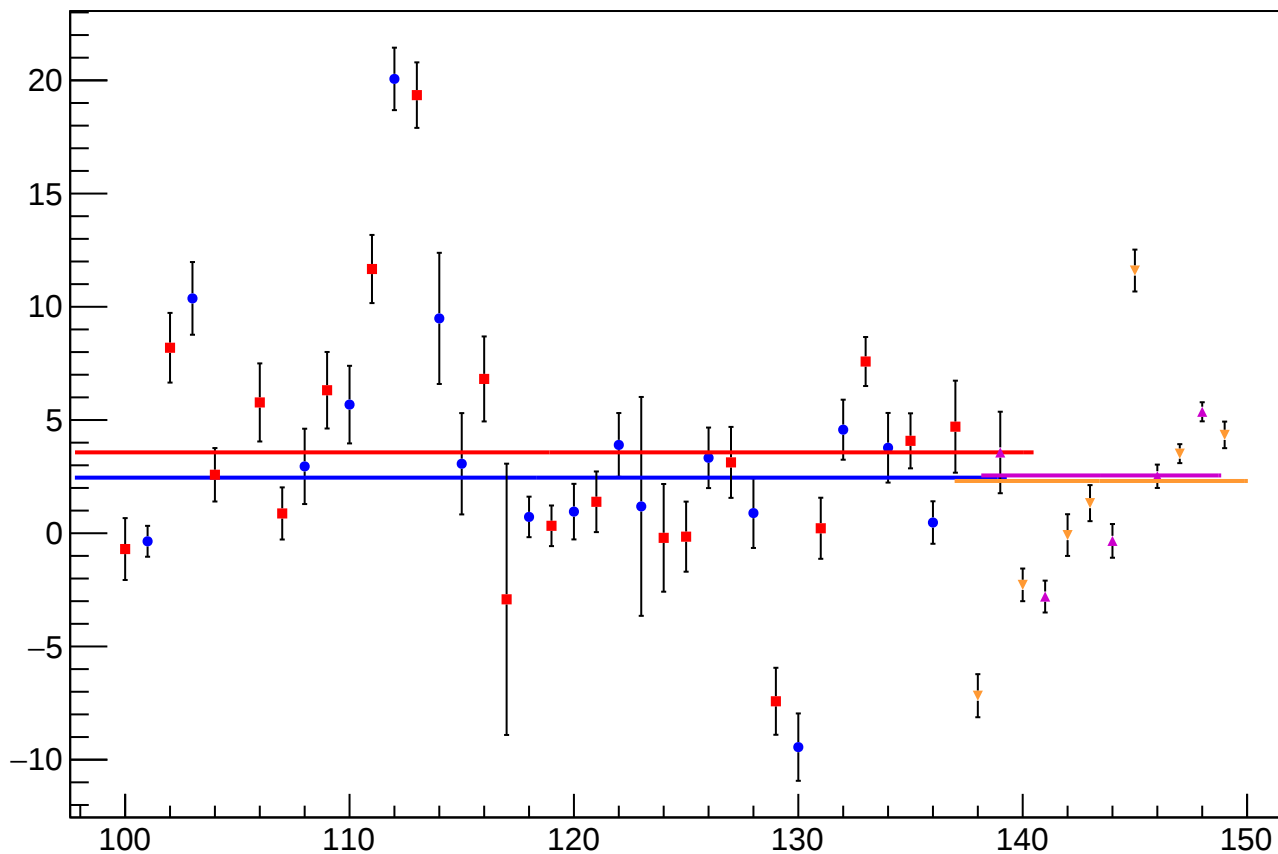
-35.524+/-0.379 χ^2/NDF : 540.8/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-37.265+/-0.425 χ^2/NDF : 91.2/4

Left In: -37.265+/-0.425 χ^2/NDF : 91.2/4

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 2.308 ± 0.253 χ^2/NDF : 269.4/6

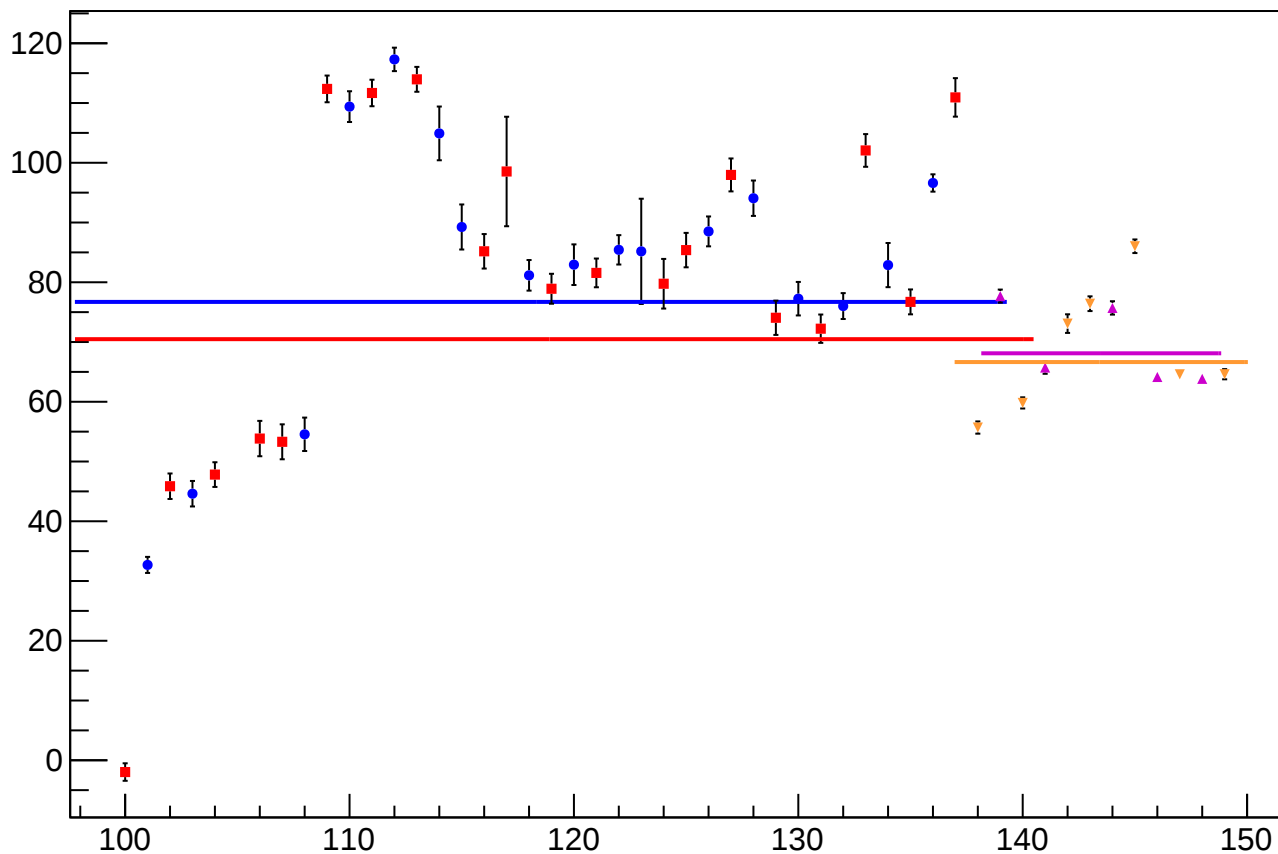
Right Out: 3.571 ± 0.317 χ^2/NDF : 281.0/19

Left In: 2.552 ± 0.272 χ^2/NDF : 117.7/4

2.366 ± 0.197 χ^2/NDF : 563.1/23

2.984 ± 0.206 χ^2/NDF : 404.6/24

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2/NDF : 2266.6/16

Left Out: 66.647 $\pm$ 0.384 χ^2/NDF : 549.5/6

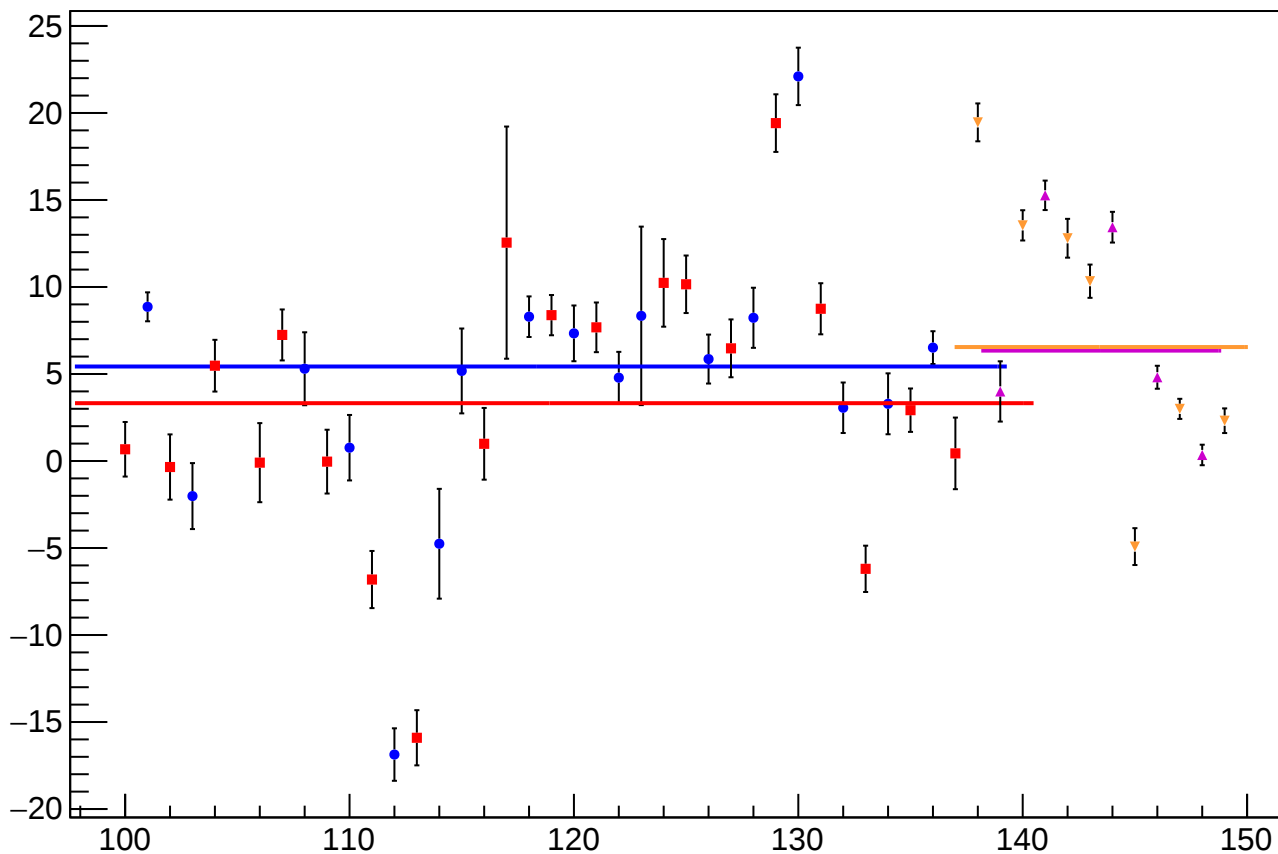
Right Out: 70.477 $\pm$ 0.549 χ^2/NDF : 4400.1/19

Left In: 68.112 $\pm$ 0.428 χ^2/NDF : 178.1/4

69.744 $\pm$ 0.320 χ^2/NDF : 3027.3/23

69.007 $\pm$ 0.338 χ^2/NDF : 4589.7/24

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 $\pm$ 0.361 χ^2 /NDF: 385.9/16

Left Out: 6.548 $\pm$ 0.317 χ^2 /NDF:443.2/6

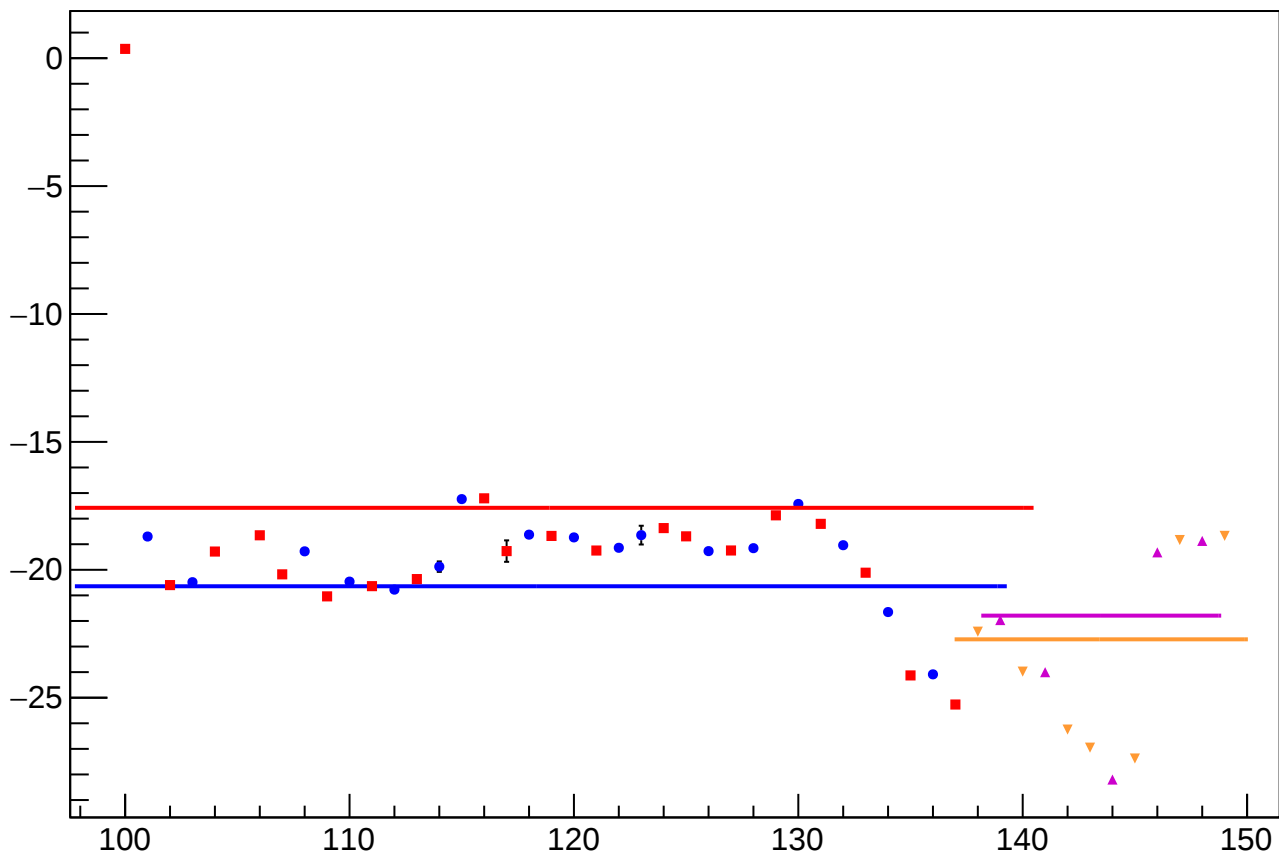
Right Out: 3.323 $\pm$ 0.365 χ^2 /NDF: 428.0/19

Left In: 6.344 $\pm$ 0.350 χ^2 /NDF:286.3/4

6.061 $\pm$ 0.238 χ^2 /NDF: 834.5/23

4.897 $\pm$ 0.252 χ^2 /NDF: 750.1/24

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 $\pm$ 0.019 χ^2 /NDF: 12468.6/16

Left Out: -22.718 $\pm$ 0.016 χ^2 /NDF: 44089.3/6

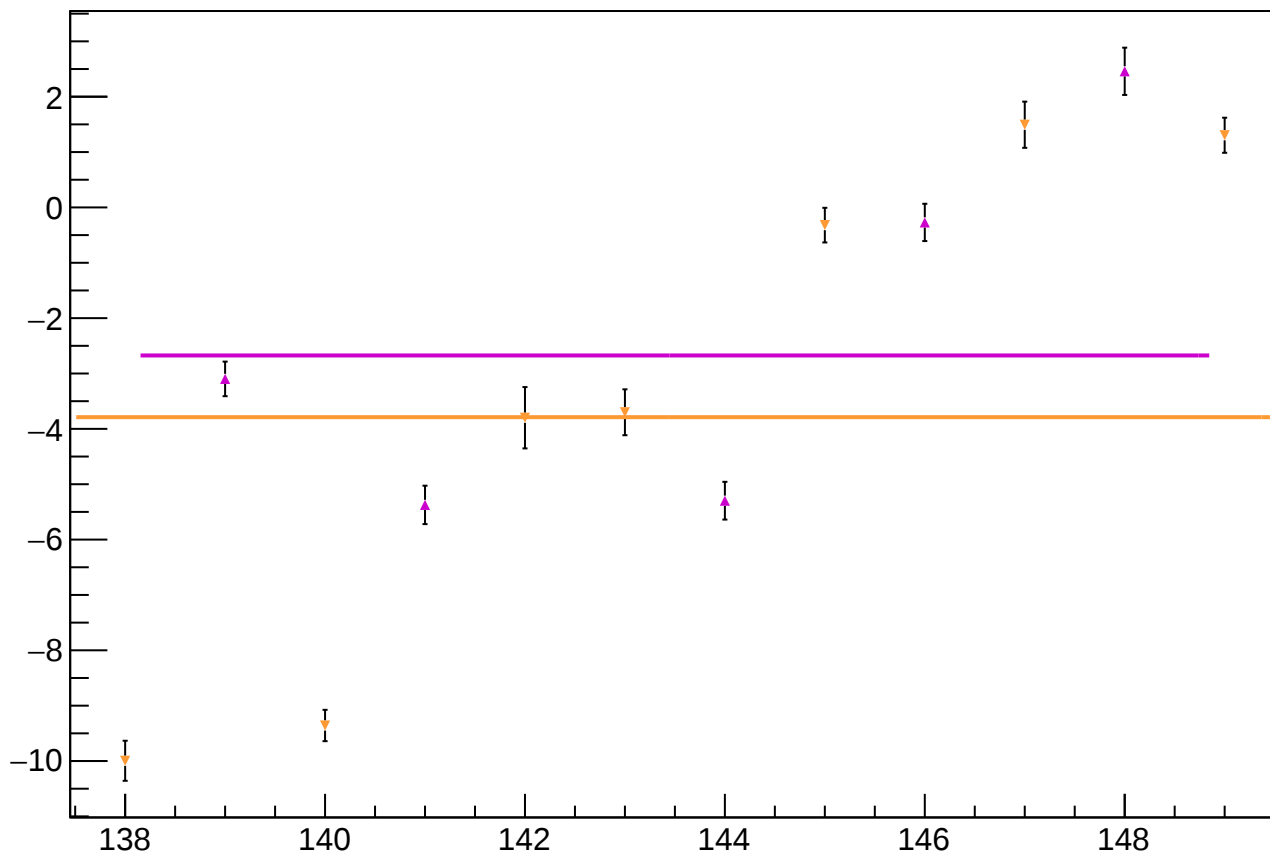
Right Out: -17.577 $\pm$ 0.018 χ^2 /NDF: 178343.3/19

Left In: -21.791 $\pm$ 0.018 χ^2 /NDF: 30936.1/4

-21.855 $\pm$ 0.012 χ^2 /NDF: 63276.6/23

-19.704 $\pm$ 0.013 χ^2 /NDF: 236883.8/24

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -3.789+/-0.135 χ^2/NDF :1223.5/6

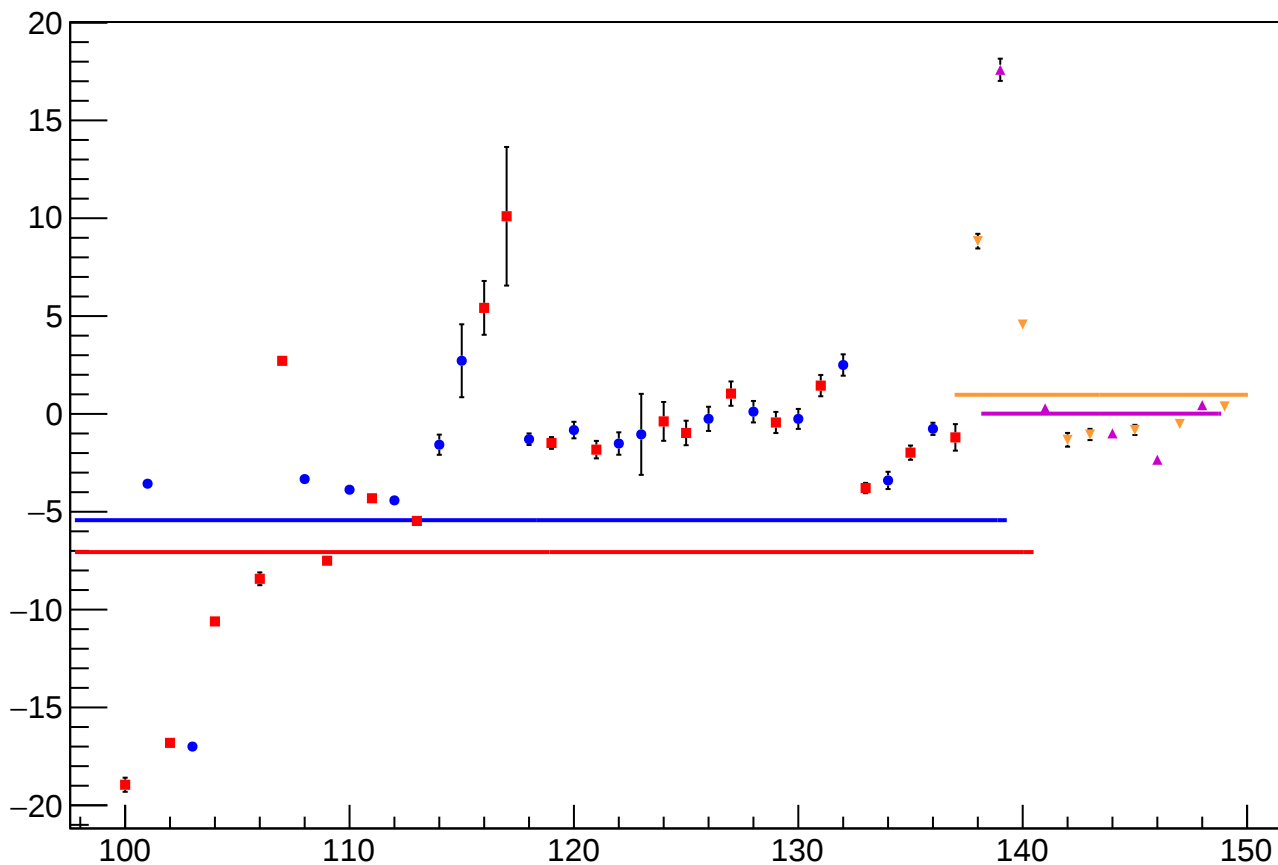
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.674+/-0.155 χ^2/NDF :317.1/4

-3.789+/-0.135 χ^2/NDF : 1223.5/6

-2.674+/-0.155 χ^2/NDF : 317.1/4

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.978 ± 0.096 χ^2/NDF : 877.0/6

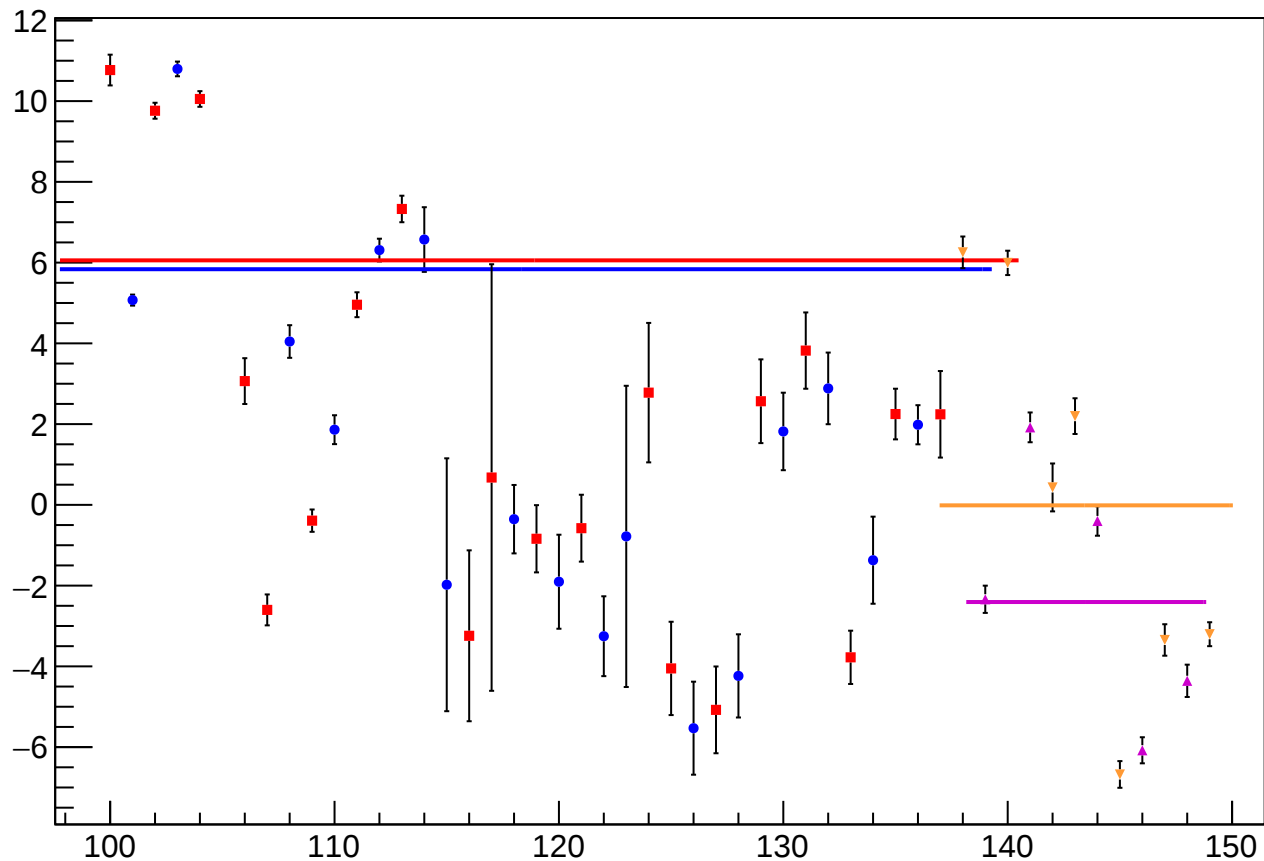
Right Out: -7.061 ± 0.059 χ^2/NDF : 12330.1/19

Left In: 0.013 ± 0.112 χ^2/NDF : 1103.2/4

-3.848 ± 0.048 χ^2/NDF : 13479.6/23

-5.514 ± 0.052 χ^2/NDF : 16575.3/24

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: -0.012 ± 0.138 $\chi^2/\text{NDF}: 1273.1/6$

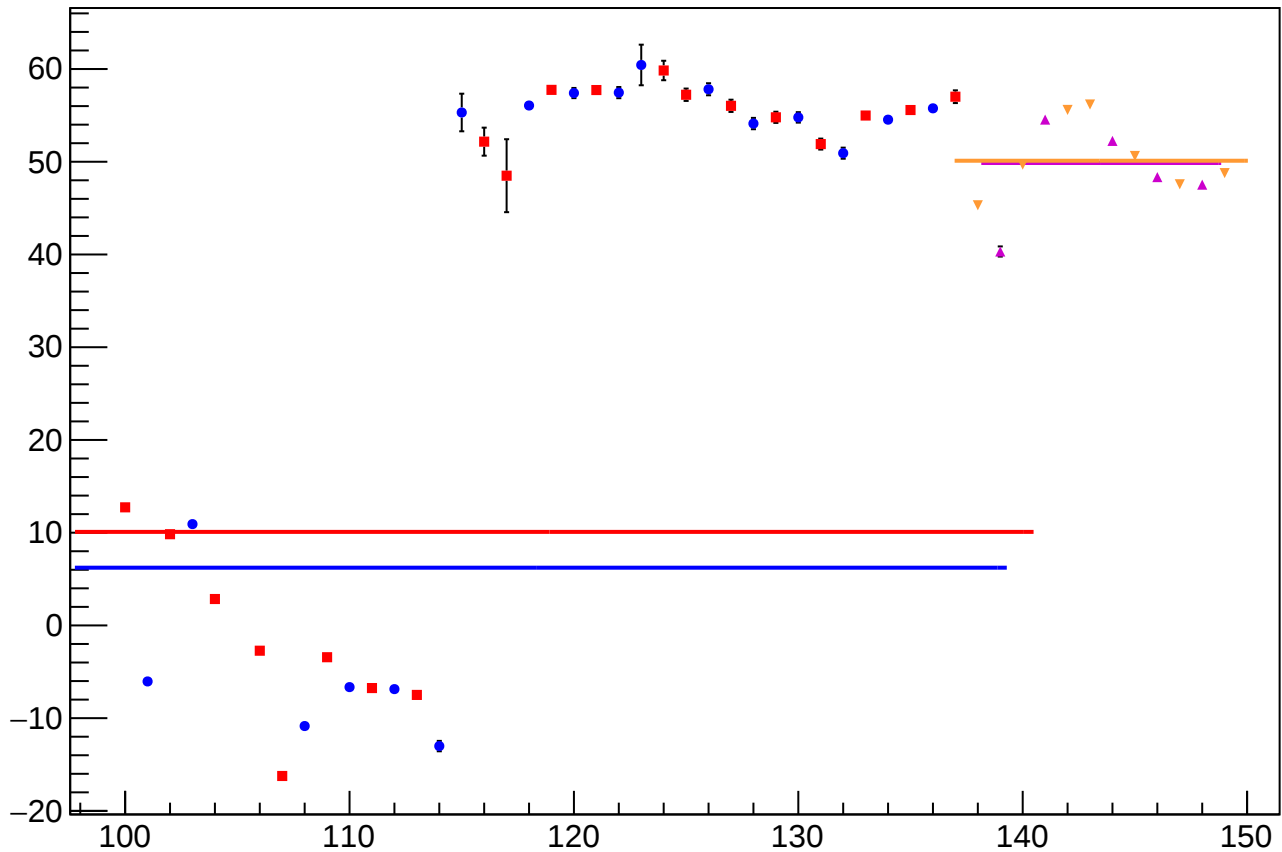
Right Out: 6.056 ± 0.093 $\chi^2/\text{NDF}: 2669.9/19$

Left In: -2.406 ± 0.159 $\chi^2/\text{NDF}: 320.8/4$

4.099 ± 0.075 $\chi^2/\text{NDF}: 3978.1/23$

3.892 ± 0.081 $\chi^2/\text{NDF}: 5093.4/24$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 $\pm$ 0.065 χ^2 /NDF: 120955.1/16

Left Out: 50.110 $\pm$ 0.117 χ^2 /NDF: 725.6/6

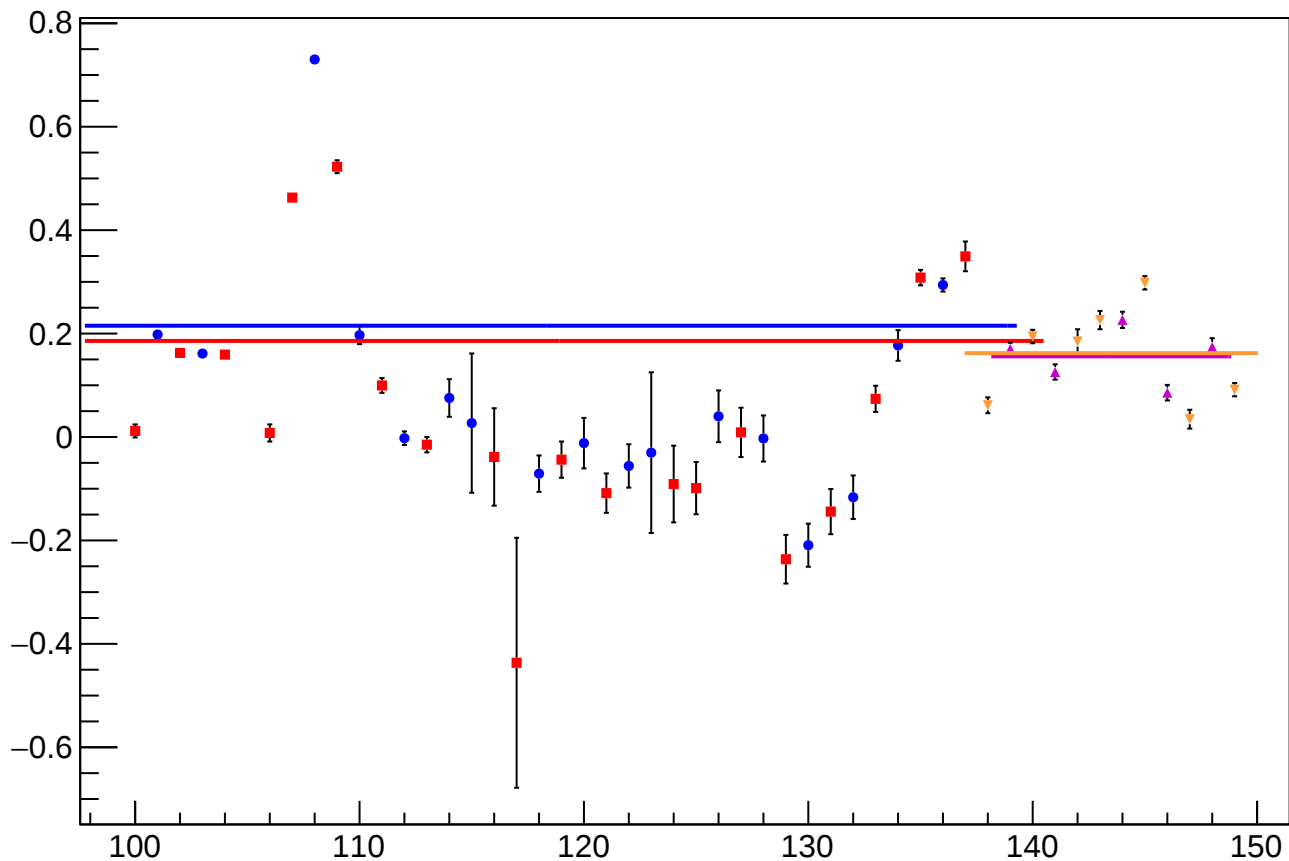
Right Out: 10.087 $\pm$ 0.070 χ^2 /NDF: 122144.7/19

Left In: 49.866 $\pm$ 0.138 χ^2 /NDF: 715.6/4

16.533 $\pm$ 0.057 χ^2 /NDF: 229294.4/23

18.179 $\pm$ 0.062 χ^2 /NDF: 189071.4/24

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.162 $\pm$ 0.006 χ^2 /NDF:252.9/6

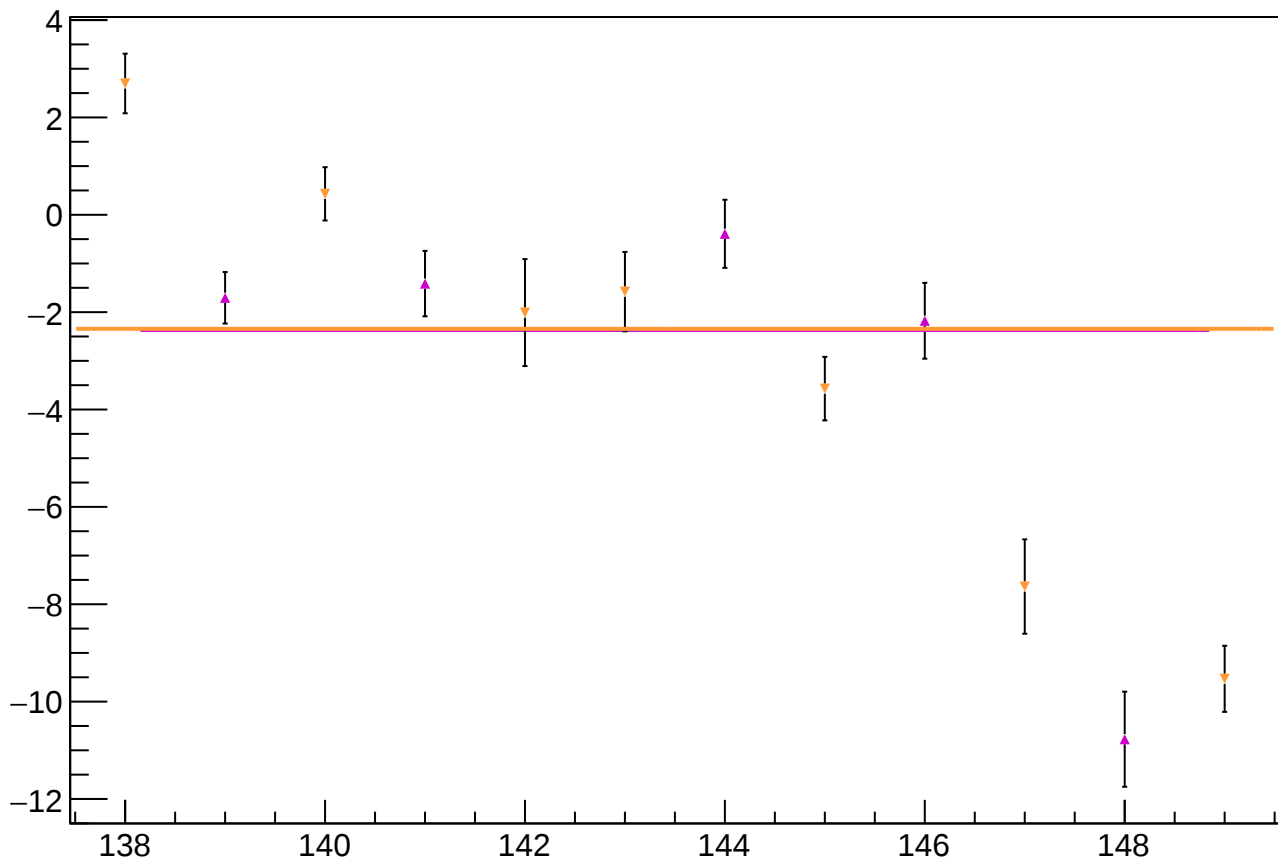
Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

Left In: 0.156 $\pm$ 0.007 χ^2 /NDF:48.6/4

0.205 $\pm$ 0.002 χ^2 /NDF: 4247.6/23

0.182 $\pm$ 0.002 χ^2 /NDF: 2791.2/24

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -2.342+/-0.268 χ^2/NDF : 239.9/6

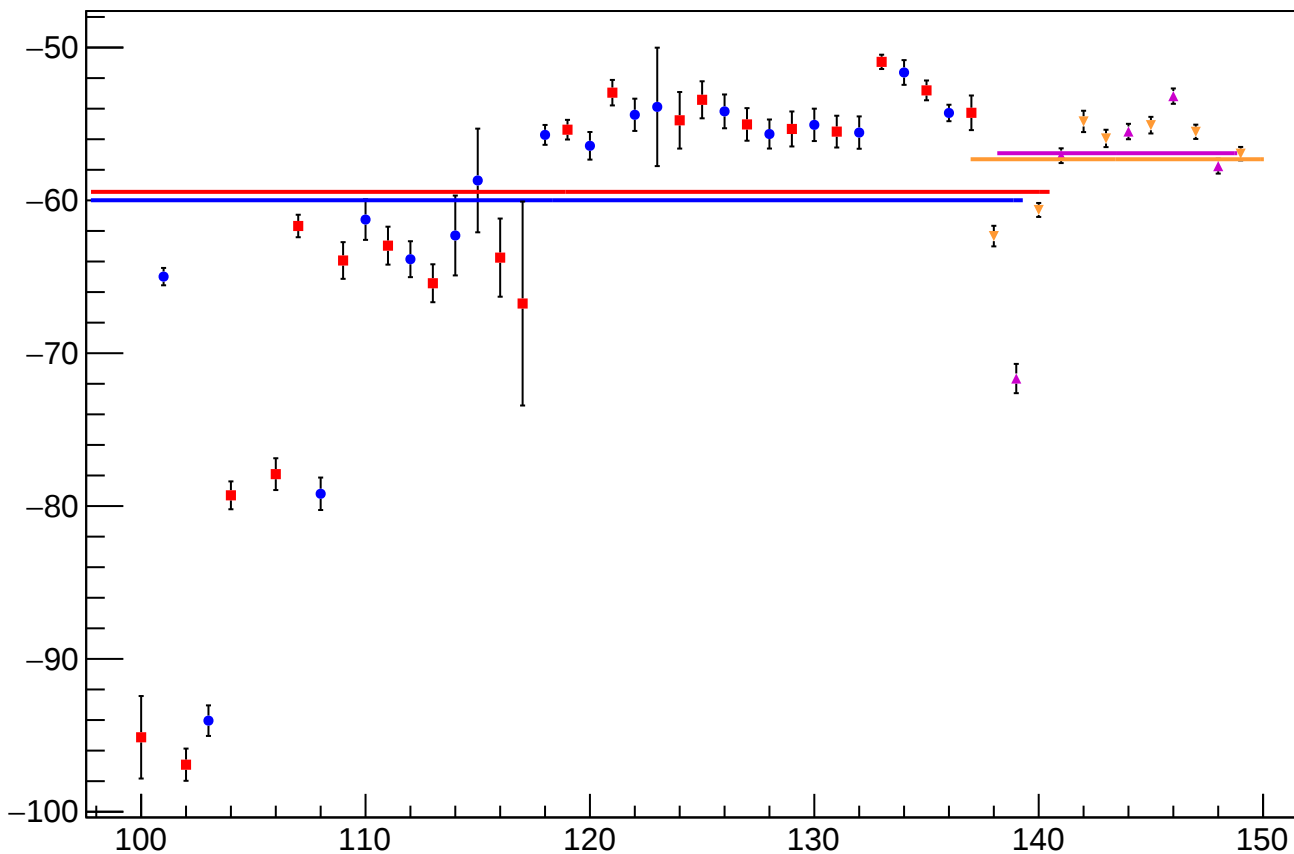
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.364+/-0.308 χ^2/NDF : 85.6/4

-2.342+/-0.268 χ^2/NDF : 239.9/6

-2.364+/-0.308 χ^2/NDF : 85.6/4

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 $\pm$ 0.225 χ^2 /NDF: 1972.9/16

Left Out: -57.309 $\pm$ 0.199 χ^2 /NDF:159.0/6

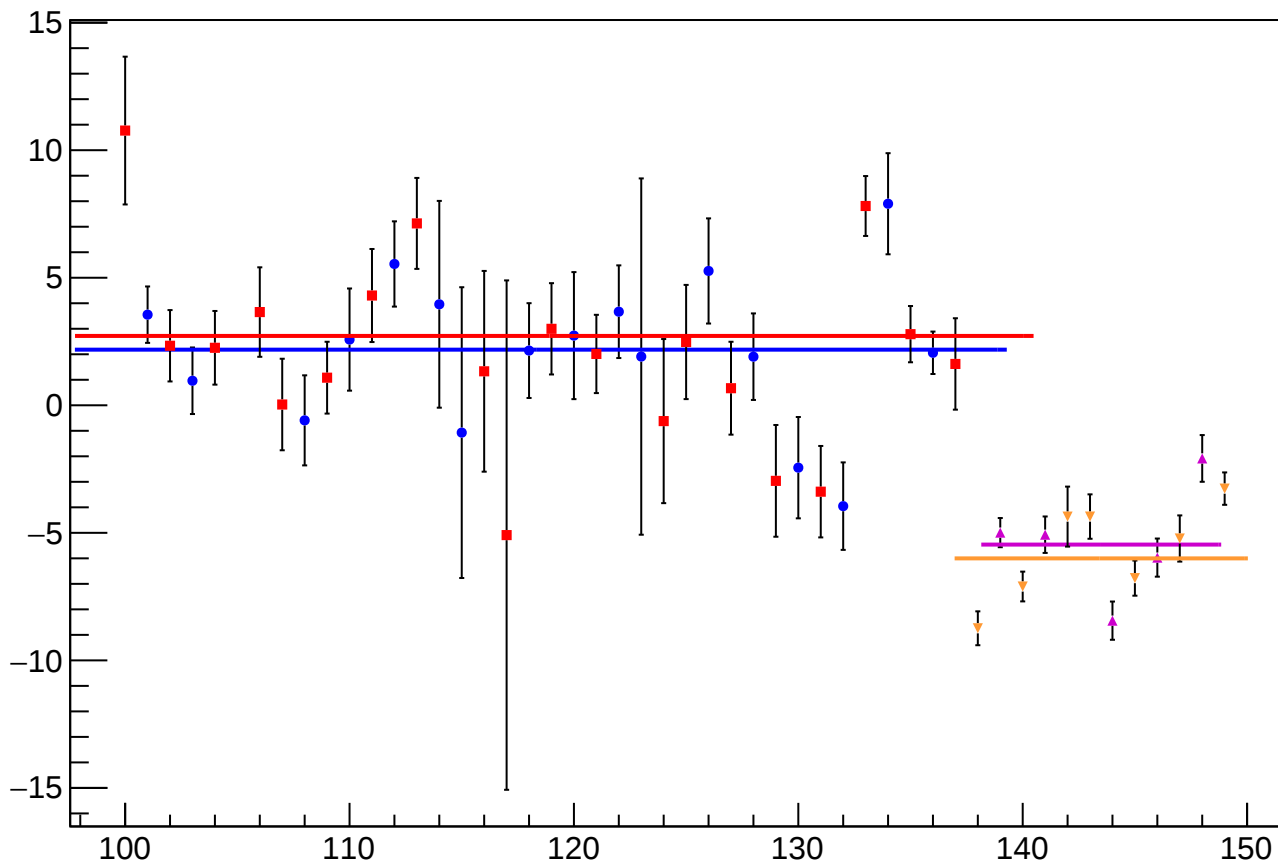
Right Out: -59.442 $\pm$ 0.212 χ^2 /NDF: 2919.1/19

Left In: -56.915 $\pm$ 0.239 χ^2 /NDF:303.4/4

-58.486 $\pm$ 0.149 χ^2 /NDF: 2211.8/23

-58.330 $\pm$ 0.159 χ^2 /NDF: 3285.1/24

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -6.002 ± 0.277 $\chi^2/\text{NDF}: 46.6/6$

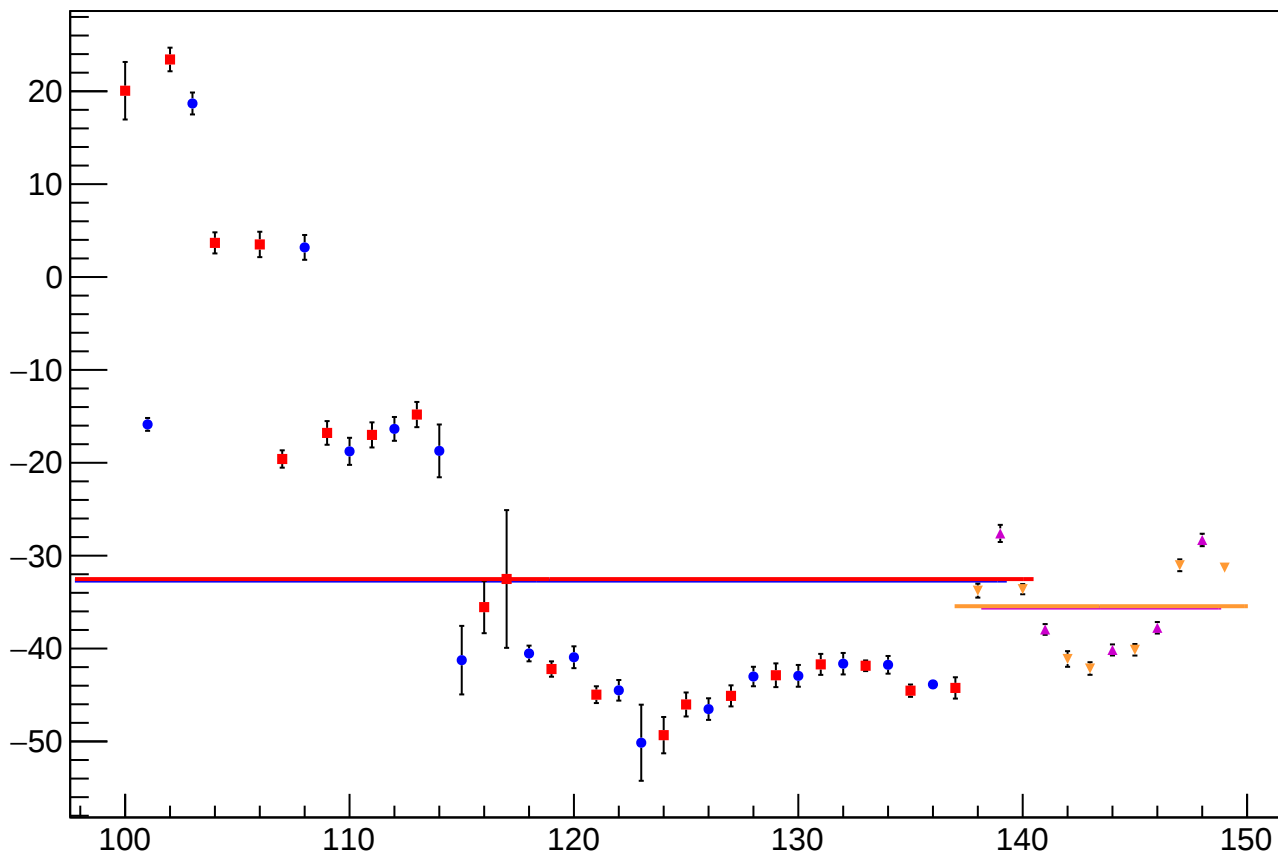
Right Out: 2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

Left In: -5.461 ± 0.320 $\chi^2/\text{NDF}: 30.9/4$

-3.403 ± 0.229 $\chi^2/\text{NDF}: 363.3/23$

-2.148 ± 0.247 $\chi^2/\text{NDF}: 355.3/24$

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: -35.442 ± 0.241 $\chi^2/\text{NDF}: 325.6/6$

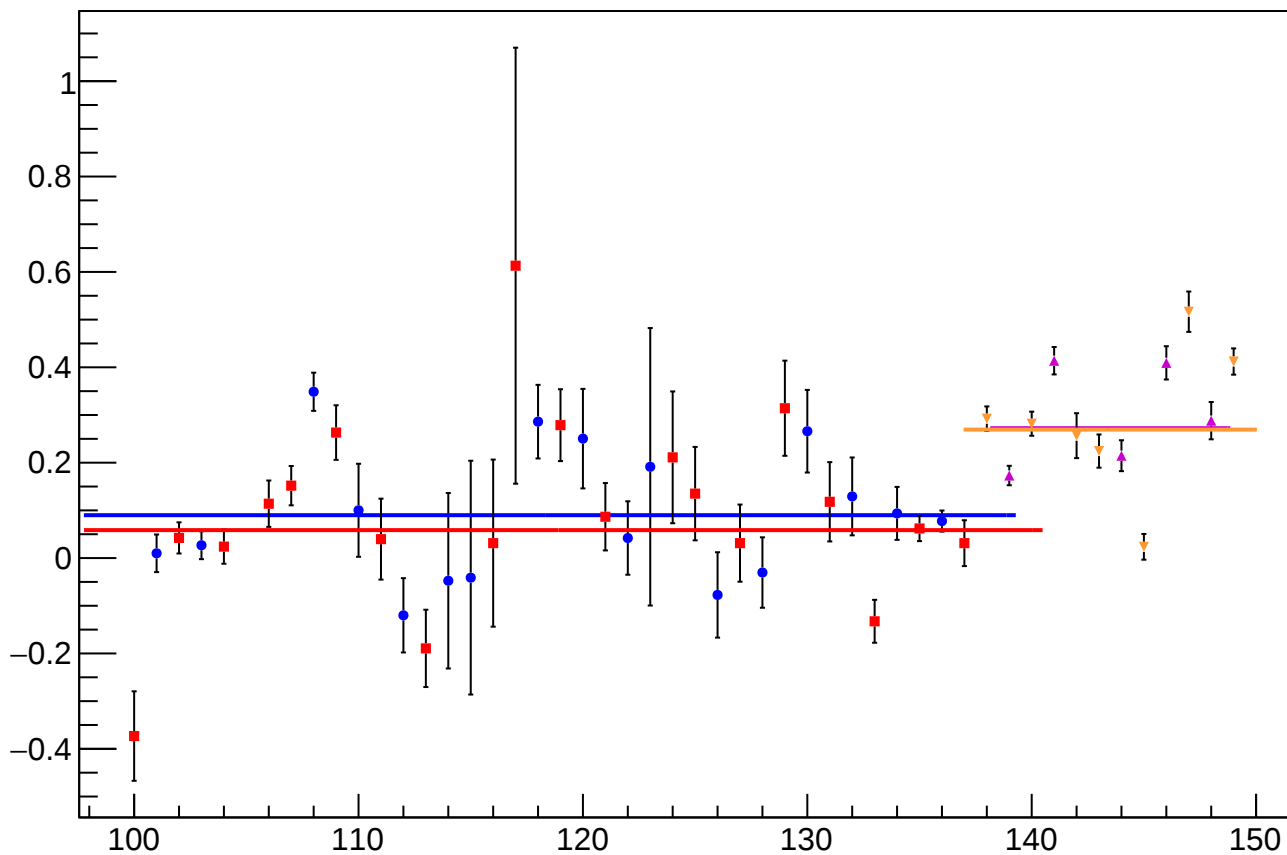
Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

Left In: -35.588 ± 0.291 $\chi^2/\text{NDF}: 280.7/4$

-34.147 ± 0.175 $\chi^2/\text{NDF}: 5034.3/23$

-33.788 ± 0.187 $\chi^2/\text{NDF}: 6391.3/24$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.269 ± 0.011 $\chi^2/\text{NDF}: 146.9/6$

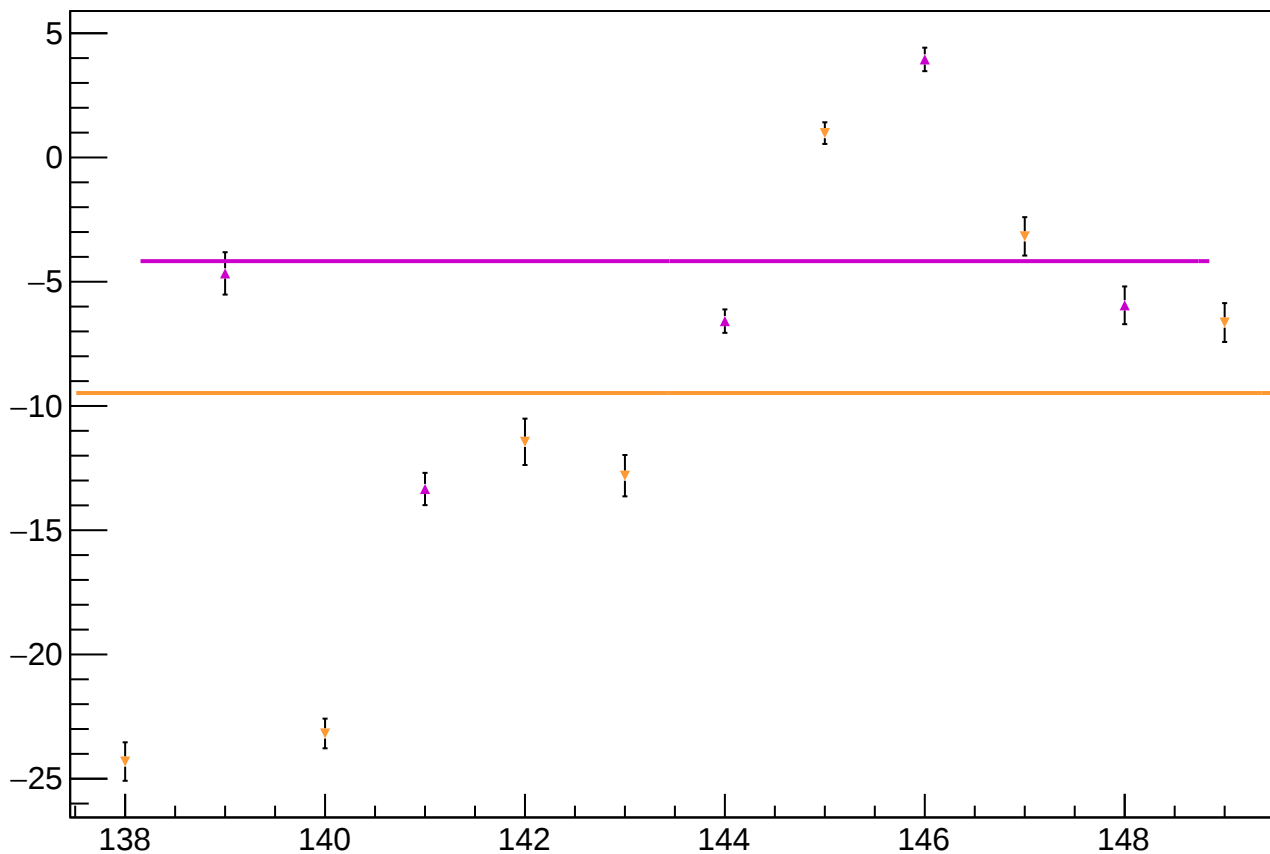
Right Out: 0.059 ± 0.012 $\chi^2/\text{NDF}: 88.6/19$

Left In: 0.272 ± 0.013 $\chi^2/\text{NDF}: 66.7/4$

0.189 ± 0.009 $\chi^2/\text{NDF}: 335.3/23$

0.160 ± 0.009 $\chi^2/\text{NDF}: 301.0/24$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -9.479+/-0.253 χ^2/NDF :1569.3/6

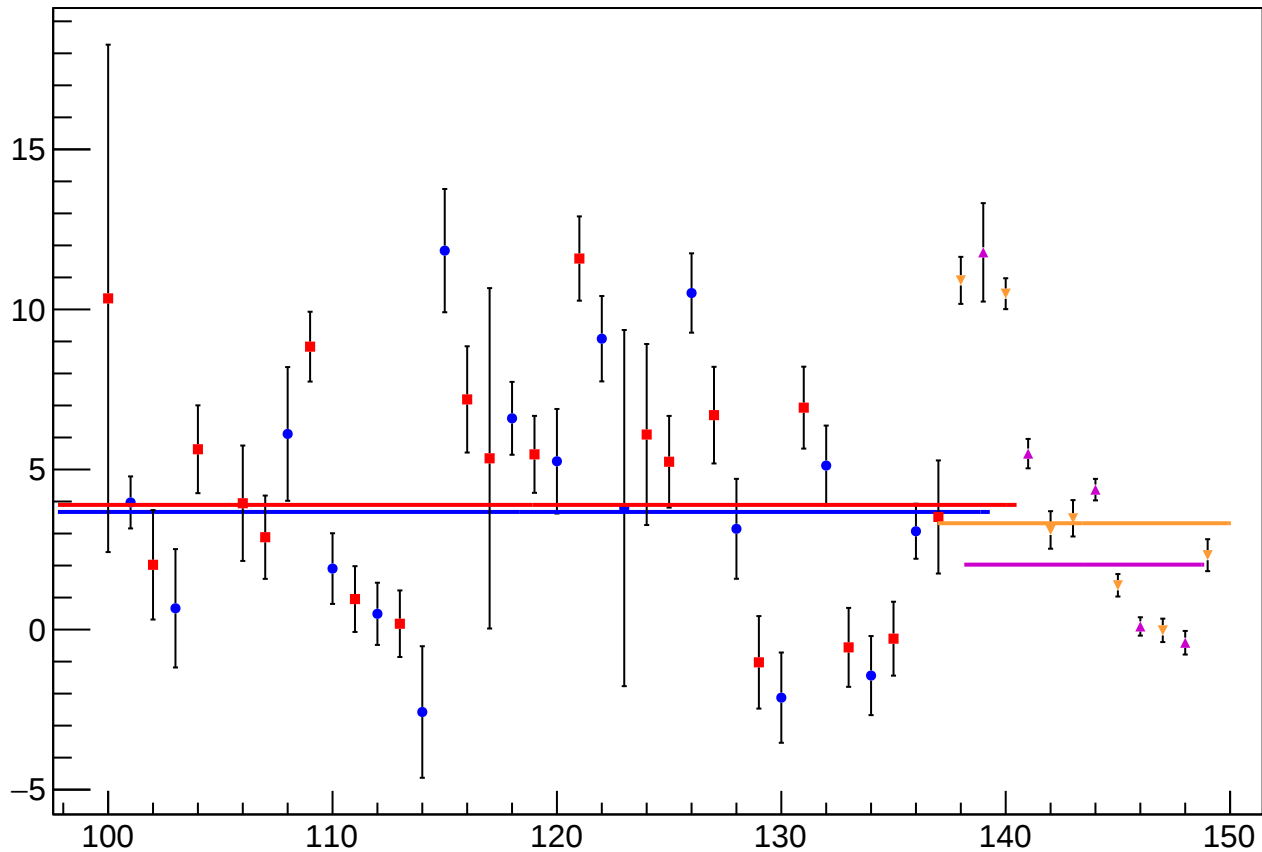
-9.479+/-0.253 χ^2/NDF : 1569.3/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.172+/-0.263 χ^2/NDF :526.6/4

-4.172+/-0.263 χ^2/NDF : 526.6/4

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: 3.321 $\pm$ 0.177 χ^2 /NDF: 445.9/6

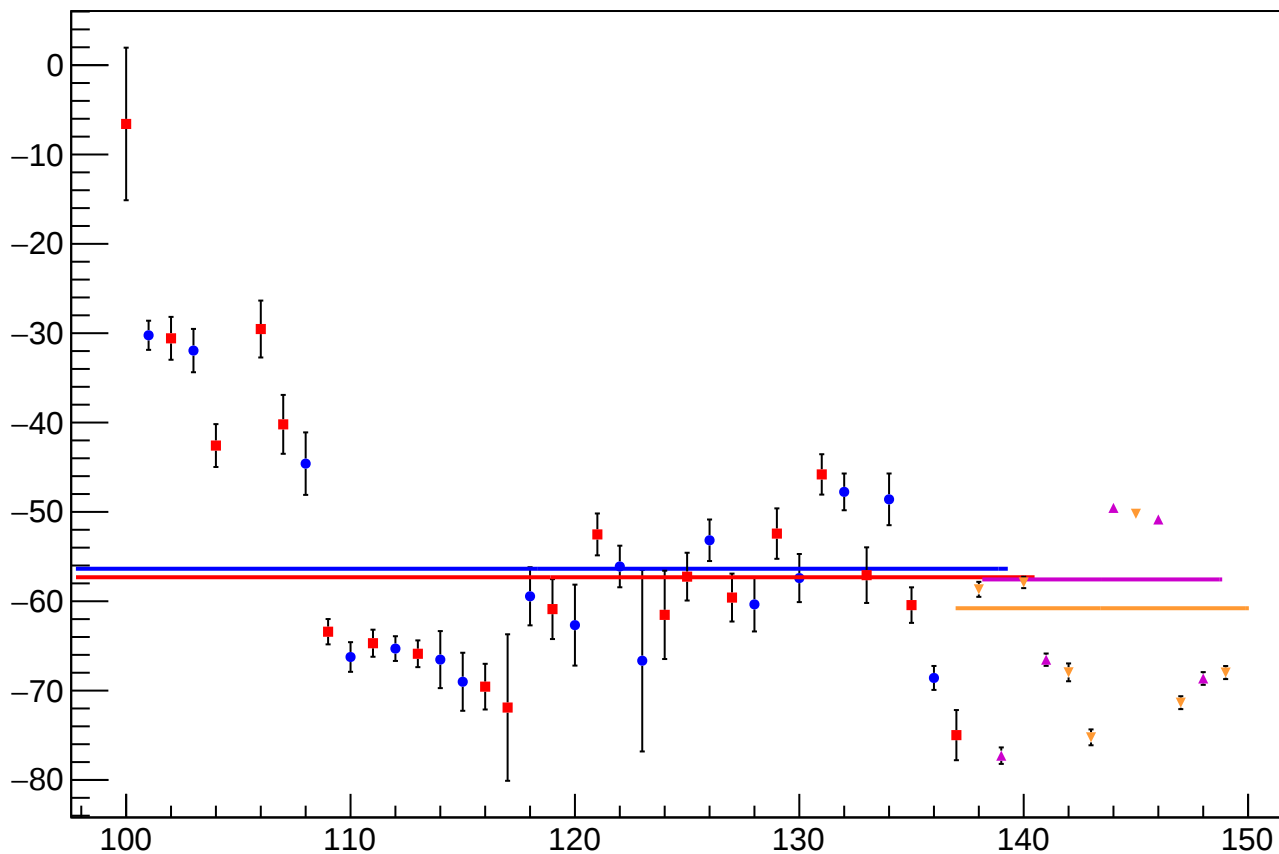
Right Out: 3.895 $\pm$ 0.316 χ^2 /NDF: 133.8/19

Left In: 2.028 $\pm$ 0.173 χ^2 /NDF: 234.9/4

3.408 $\pm$ 0.154 χ^2 /NDF: 582.0/23

2.459 $\pm$ 0.152 χ^2 /NDF: 395.6/24

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 $\chi^2/\text{NDF}: 587.2/16$

Left Out: -60.781 ± 0.262 $\chi^2/\text{NDF}: 1174.8/6$

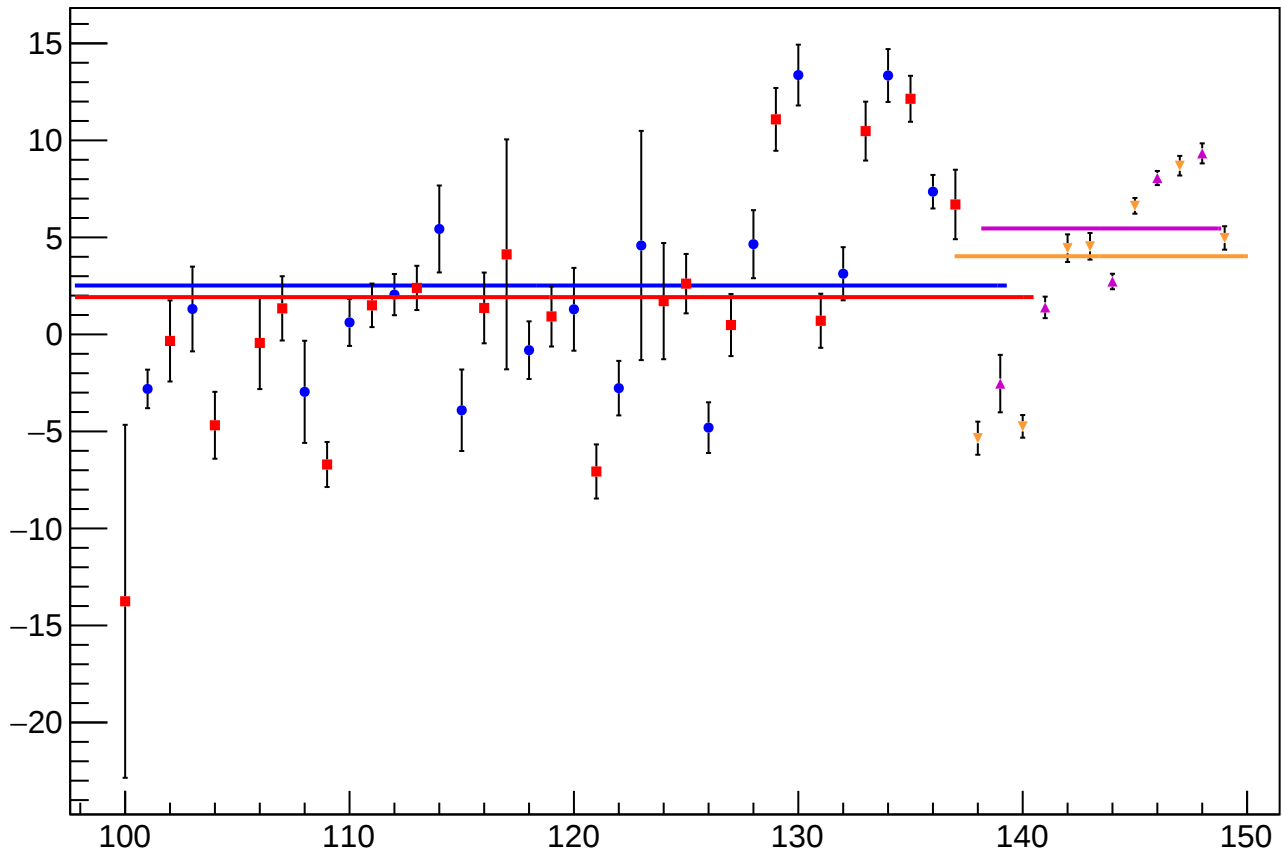
Right Out: -57.314 ± 0.535 $\chi^2/\text{NDF}: 479.2/19$

Left In: -57.558 ± 0.267 $\chi^2/\text{NDF}: 1337.8/4$

-59.949 ± 0.236 $\chi^2/\text{NDF}: 1815.8/23$

-57.509 ± 0.239 $\chi^2/\text{NDF}: 1817.1/24$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 4.029 ± 0.217 χ^2/NDF : 476.0/6

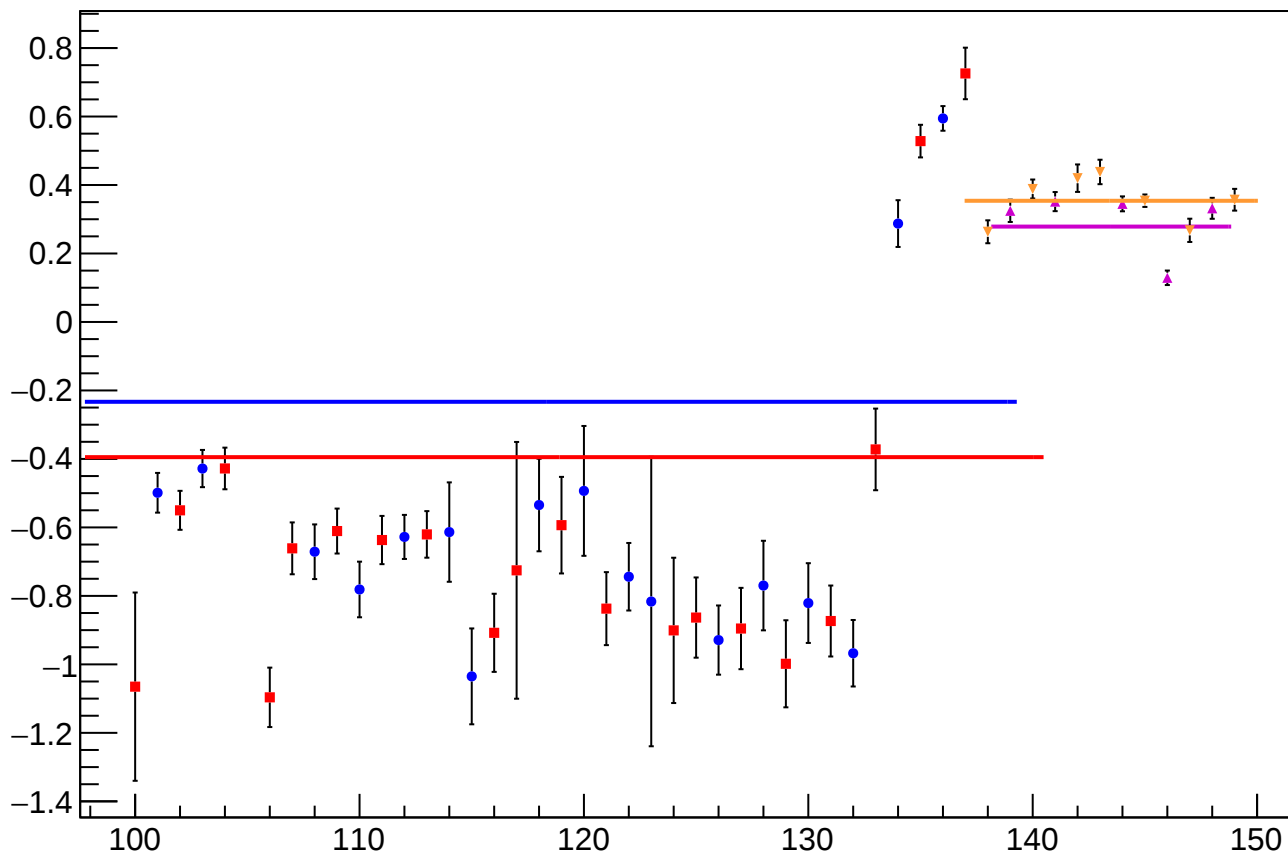
Right Out: 1.922 ± 0.354 χ^2/NDF : 264.7/19

Left In: 5.460 ± 0.217 χ^2/NDF : 236.9/4

3.604 ± 0.184 χ^2/NDF : 731.9/23

4.496 ± 0.185 χ^2/NDF : 574.2/24

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233+/-0.019 χ^2/NDF : 956.8/16

Left Out: 0.354+/-0.011 χ^2/NDF : 23.6/6

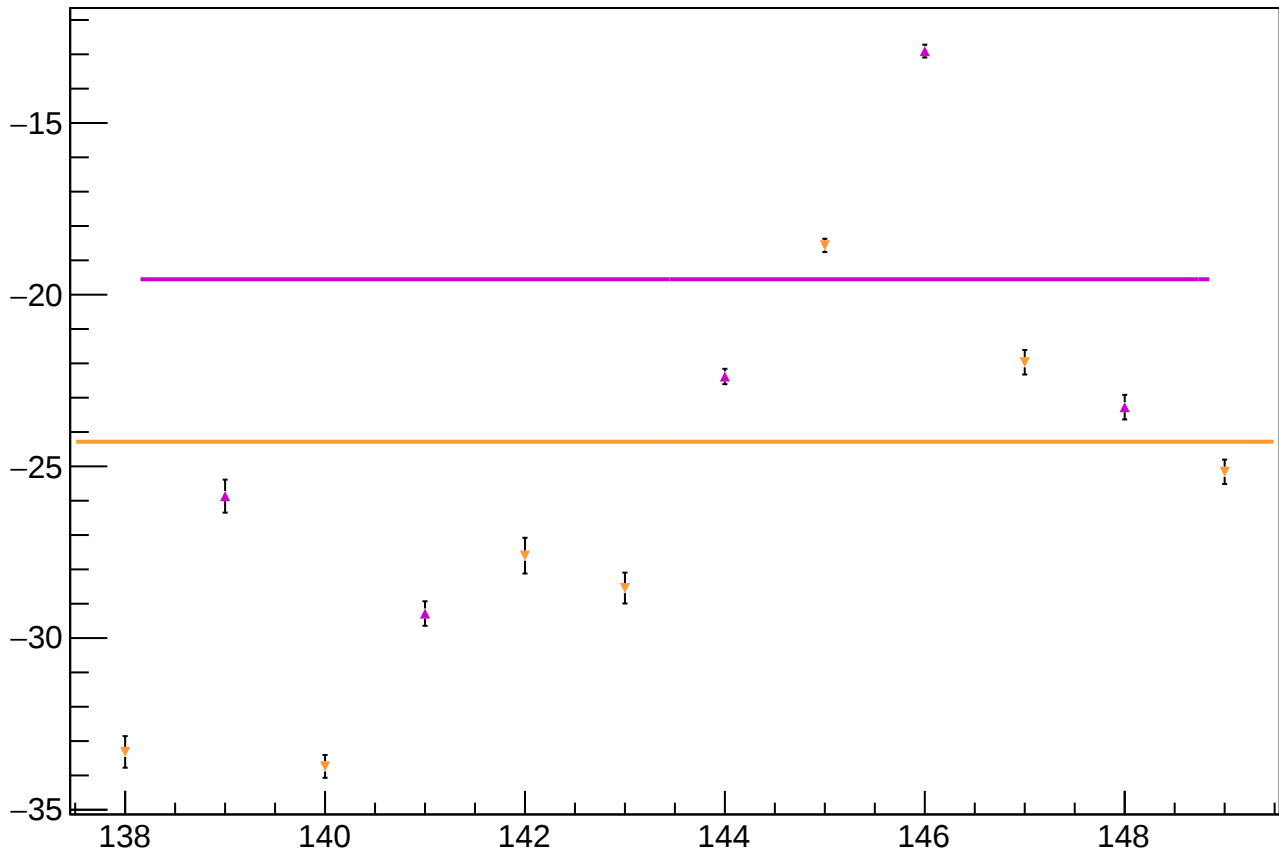
Right Out: -0.395+/-0.019 χ^2/NDF : 845.9/19

Left In: 0.279+/-0.011 χ^2/NDF : 71.1/4

0.208+/-0.009 χ^2/NDF : 1705.5/23

0.099+/-0.010 χ^2/NDF : 1841.0/24

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -24.282+/-0.124 χ^2/NDF : 2236.7/6

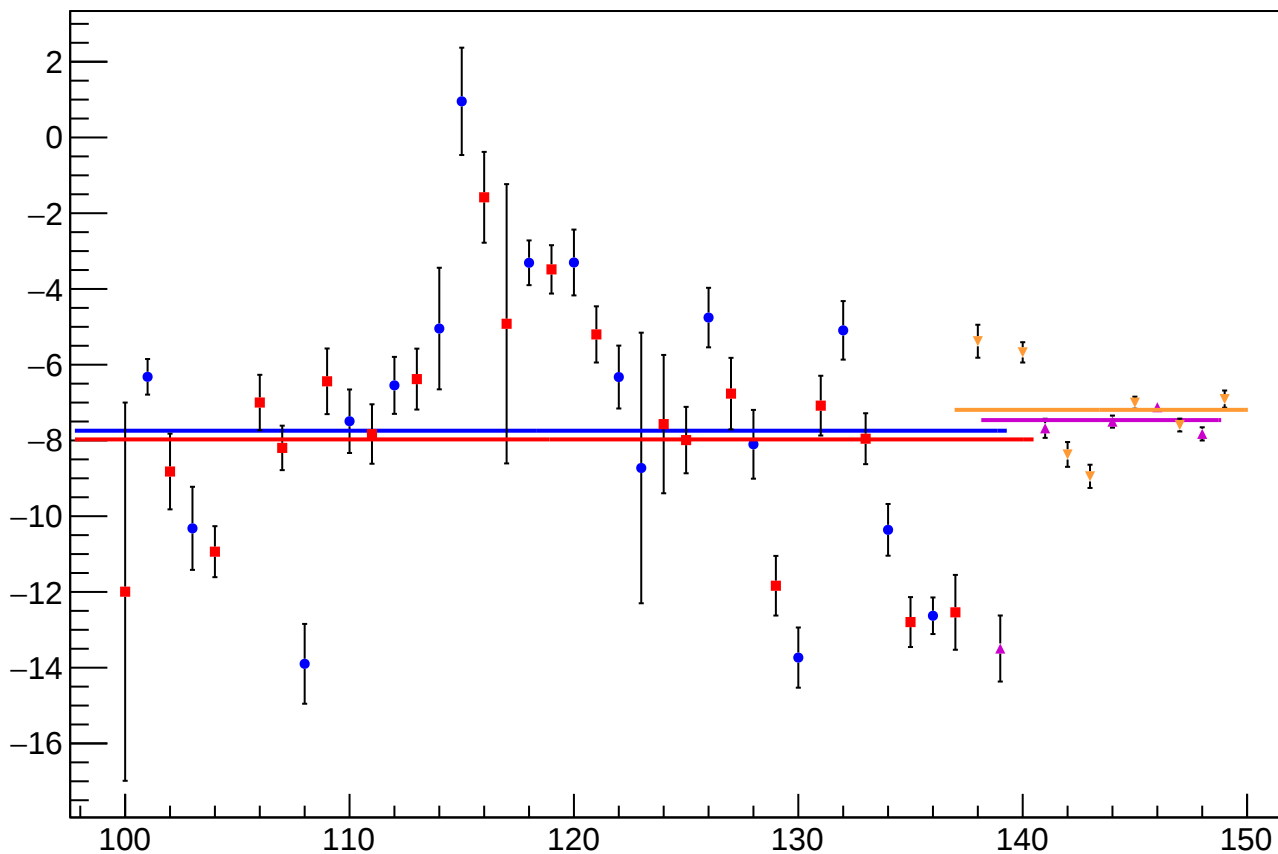
-24.282+/-0.124 χ^2/NDF : 2236.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

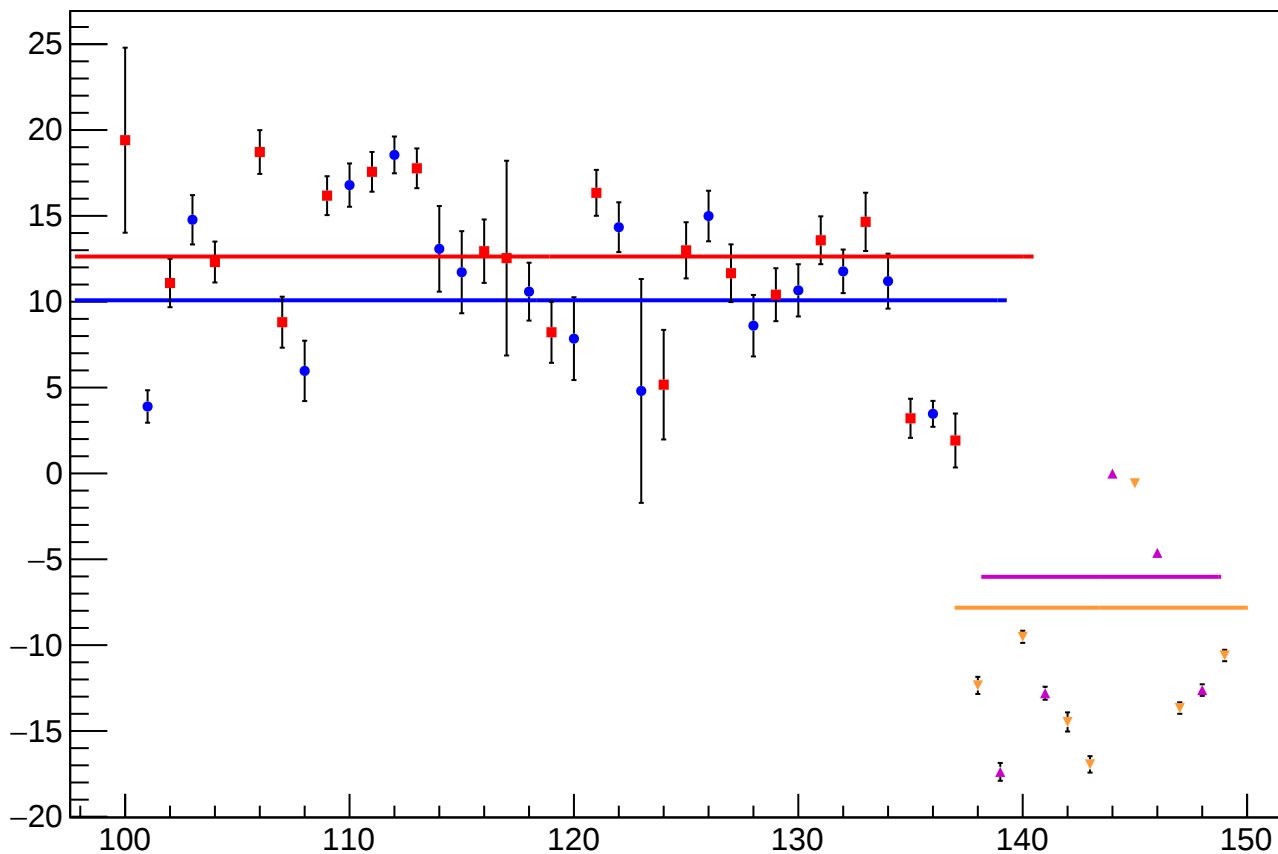
Left In: -19.552+/-0.121 χ^2/NDF : 2441.1/4

-19.552+/-0.121 χ^2/NDF : 2441.1/4

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 $\pm$ 0.338 χ^2/NDF : 252.7/16

Left Out: -7.819 $\pm$ 0.128 χ^2/NDF : 2223.4/6

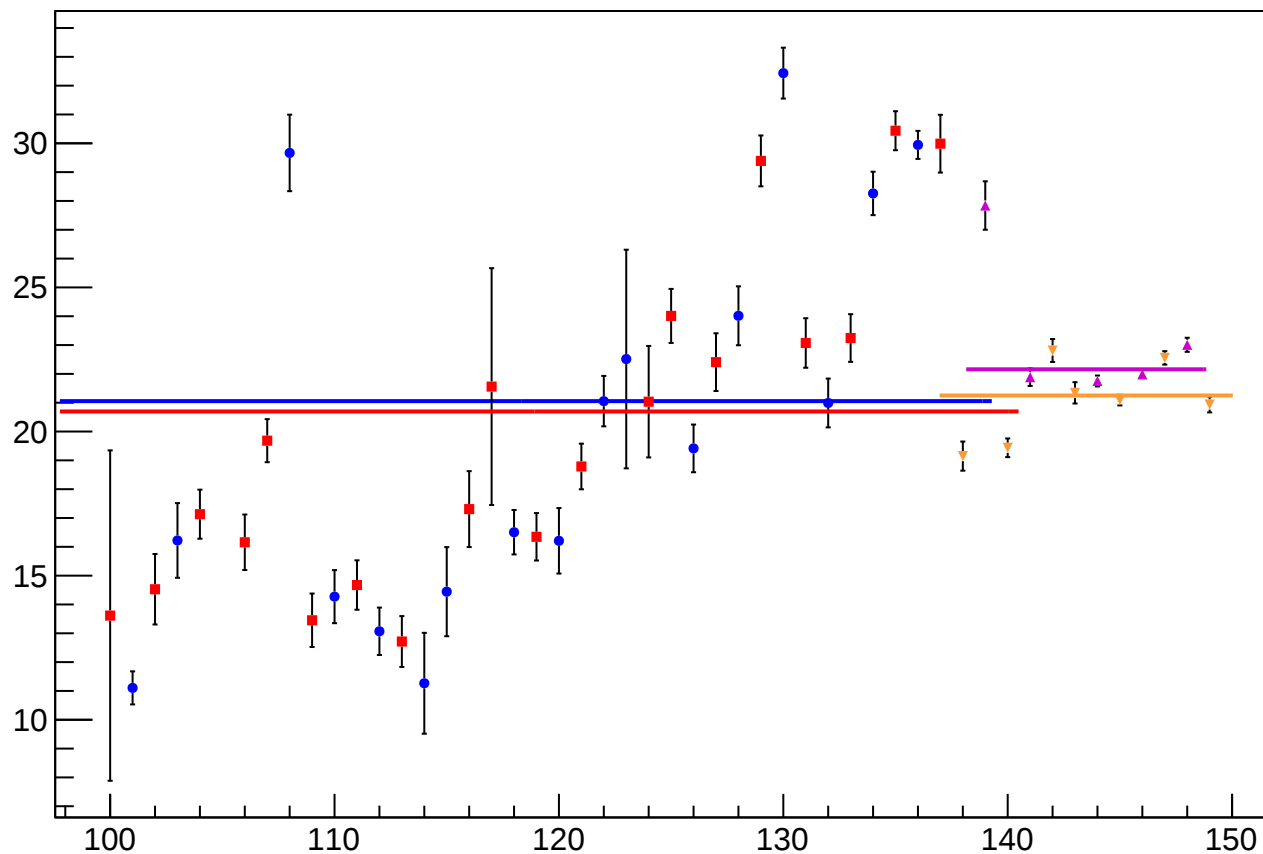
Right Out: 12.631 $\pm$ 0.332 χ^2/NDF : 218.6/19

Left In: -6.021 $\pm$ 0.122 χ^2/NDF : 1869.3/4

-5.578 $\pm$ 0.120 χ^2/NDF : 4931.3/23

-3.817 $\pm$ 0.114 χ^2/NDF : 4869.8/24

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 21.251 $\pm$ 0.106 χ^2 /NDF: 97.2/6

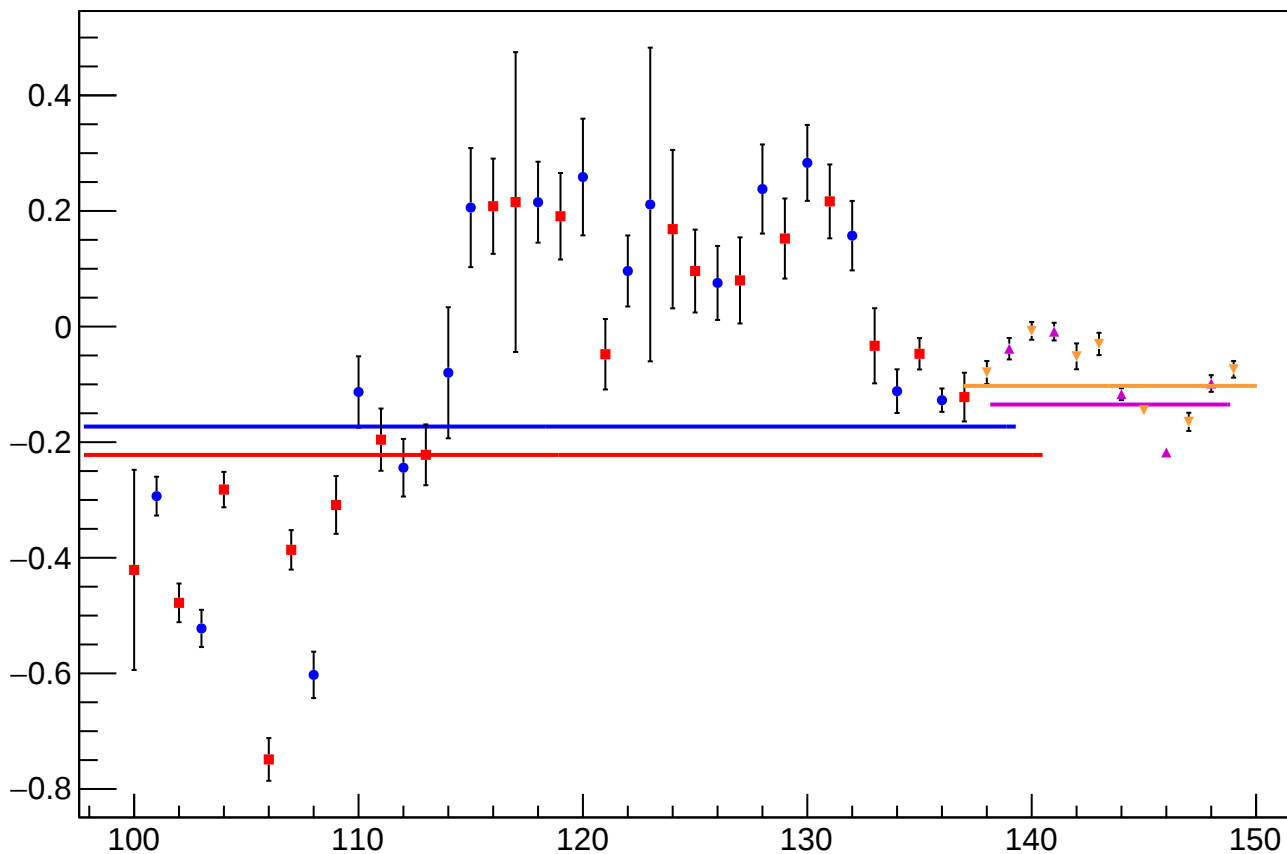
Right Out: 20.696 $\pm$ 0.212 χ^2 /NDF: 724.1/19

Left In: 22.159 $\pm$ 0.098 χ^2 /NDF: 64.7/4

21.211 $\pm$ 0.095 χ^2 /NDF: 1309.6/23

21.900 $\pm$ 0.089 χ^2 /NDF: 827.8/24

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 $\pm$ 0.011 χ^2/NDF : 461.8/16

Left Out: -0.103 $\pm$ 0.005 χ^2/NDF : 105.7/6

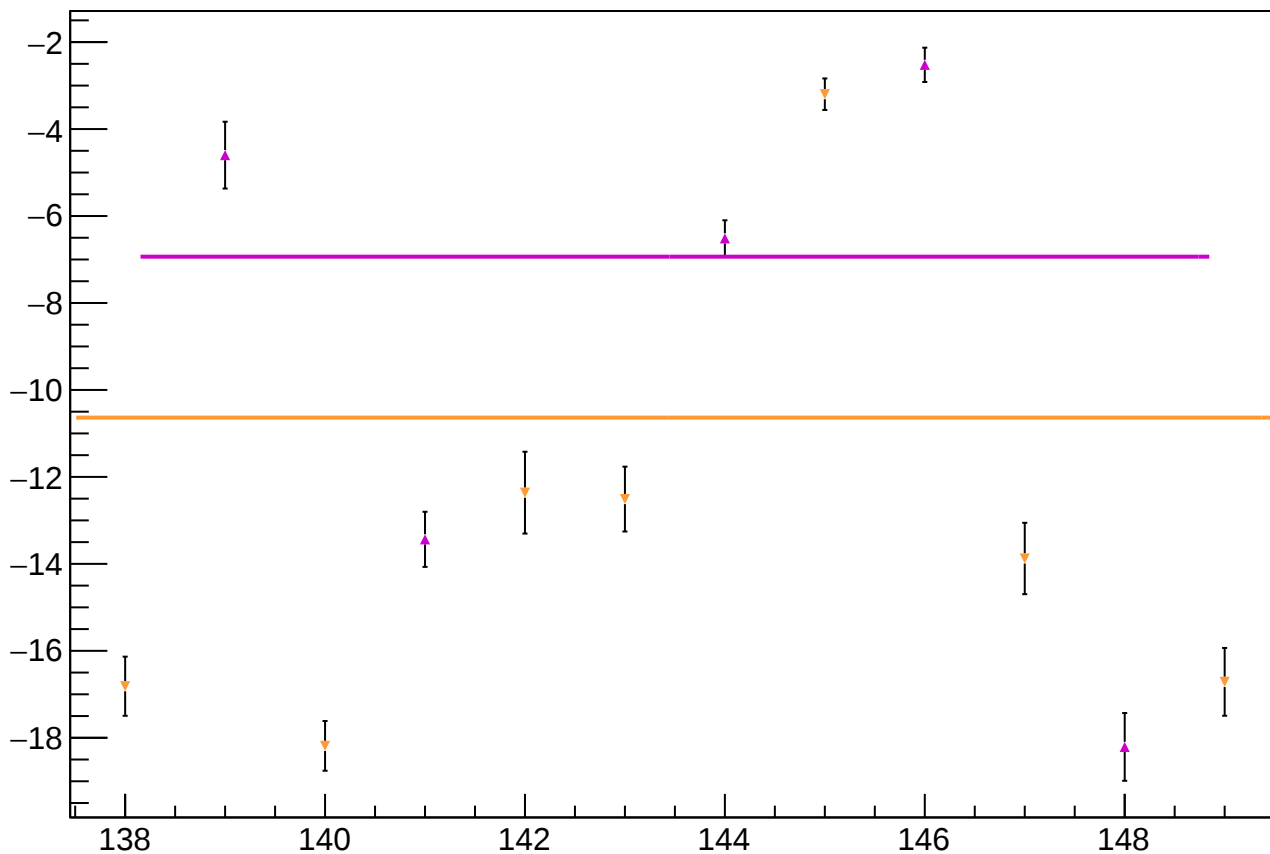
Right Out: -0.222 $\pm$ 0.011 χ^2/NDF : 538.0/19

Left In: -0.135 $\pm$ 0.005 χ^2/NDF : 200.4/4

-0.115 $\pm$ 0.005 χ^2/NDF : 599.8/23

-0.151 $\pm$ 0.005 χ^2/NDF : 789.7/24

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -10.636+/-0.230 χ^2/NDF : 763.3/6

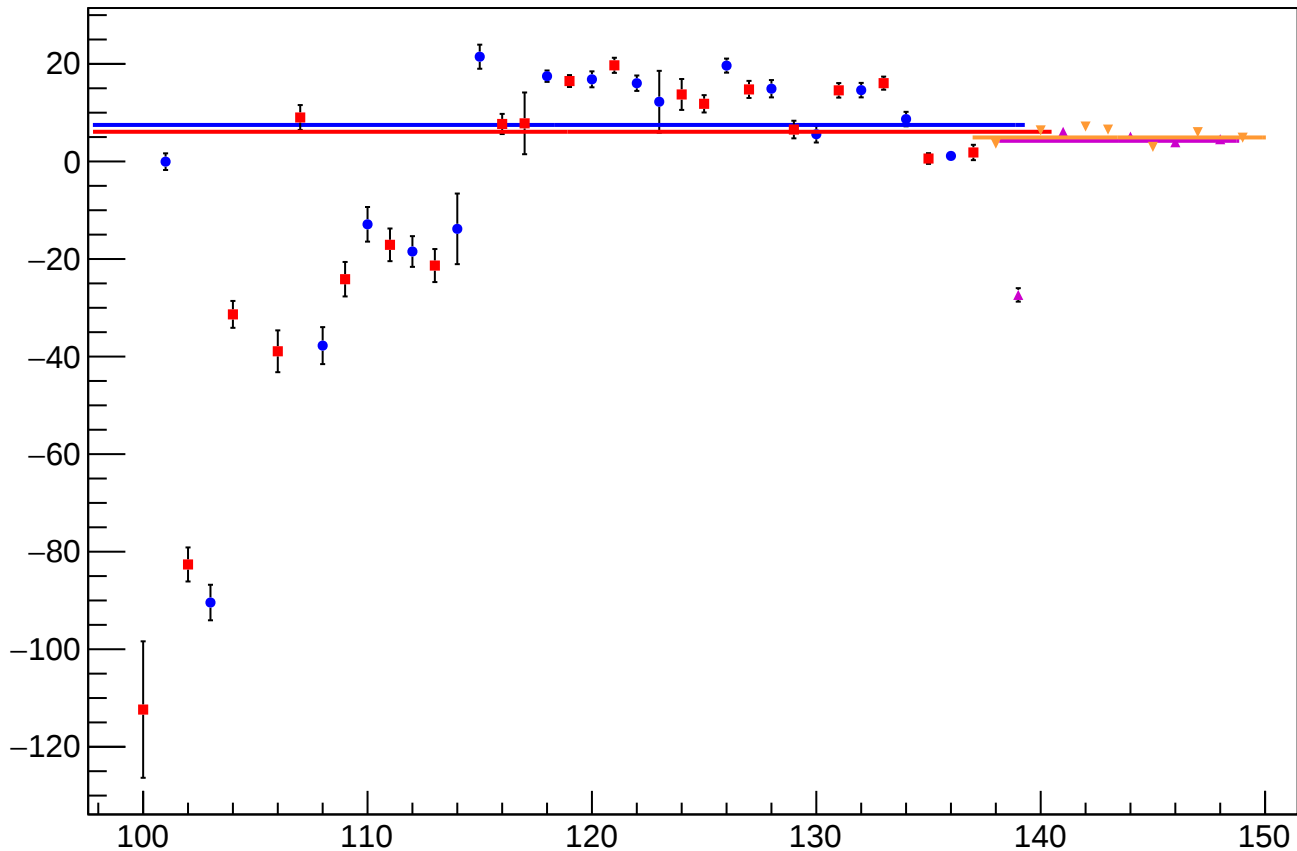
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -6.935+/-0.236 χ^2/NDF : 449.8/4

-10.636+/-0.230 χ^2/NDF : 763.3/6

-6.935+/-0.236 χ^2/NDF : 449.8/4

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488+/-0.407 χ^2/NDF : 1340.5/16

Left Out: 4.921+/-0.166 χ^2/NDF : 90.5/6

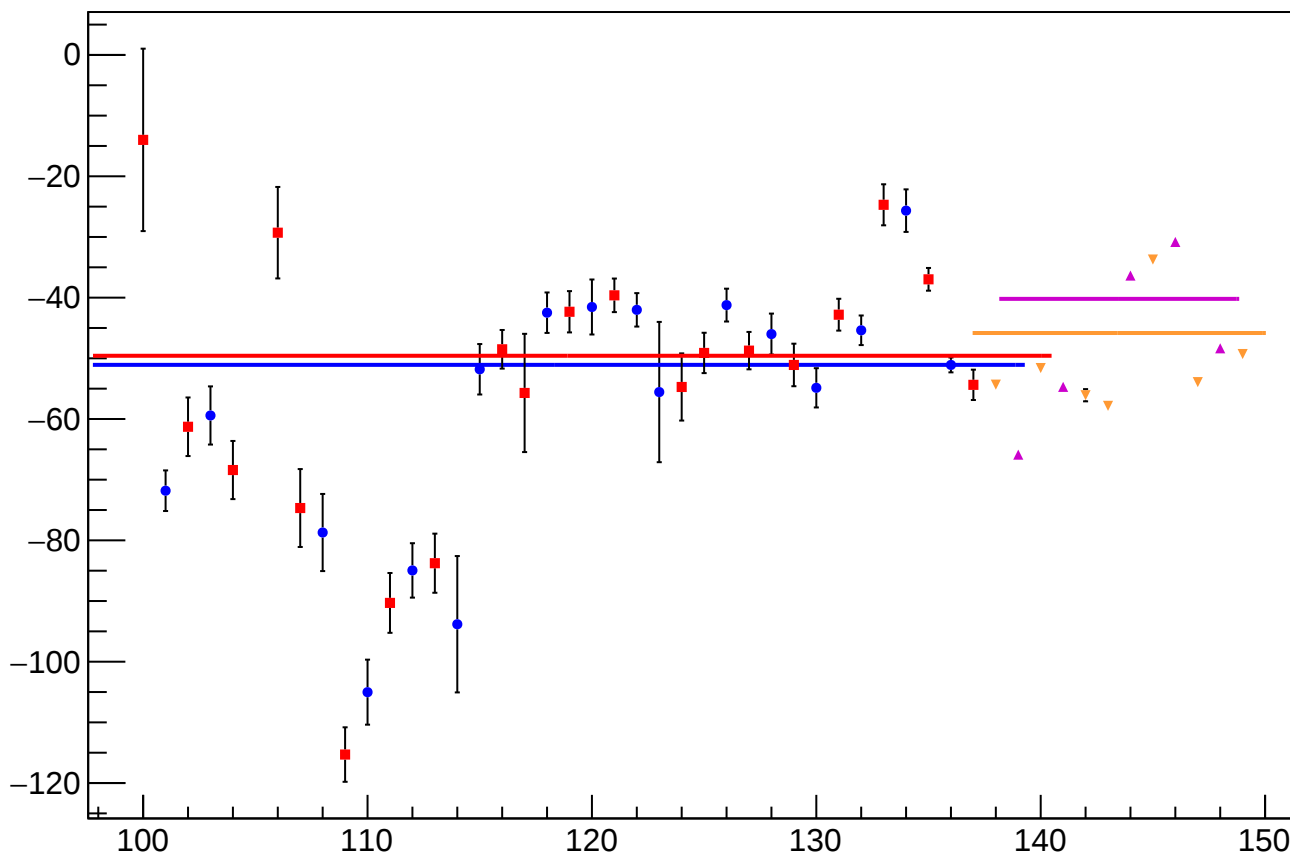
Right Out: 6.086+/-0.433 χ^2/NDF : 1512.2/19

Left In: 4.233+/-0.159 χ^2/NDF : 550.1/4

5.287+/-0.154 χ^2/NDF : 1465.2/23

4.453+/-0.149 χ^2/NDF : 2078.4/24

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -45.827 ± 0.240 χ^2/NDF : 1665.2/6

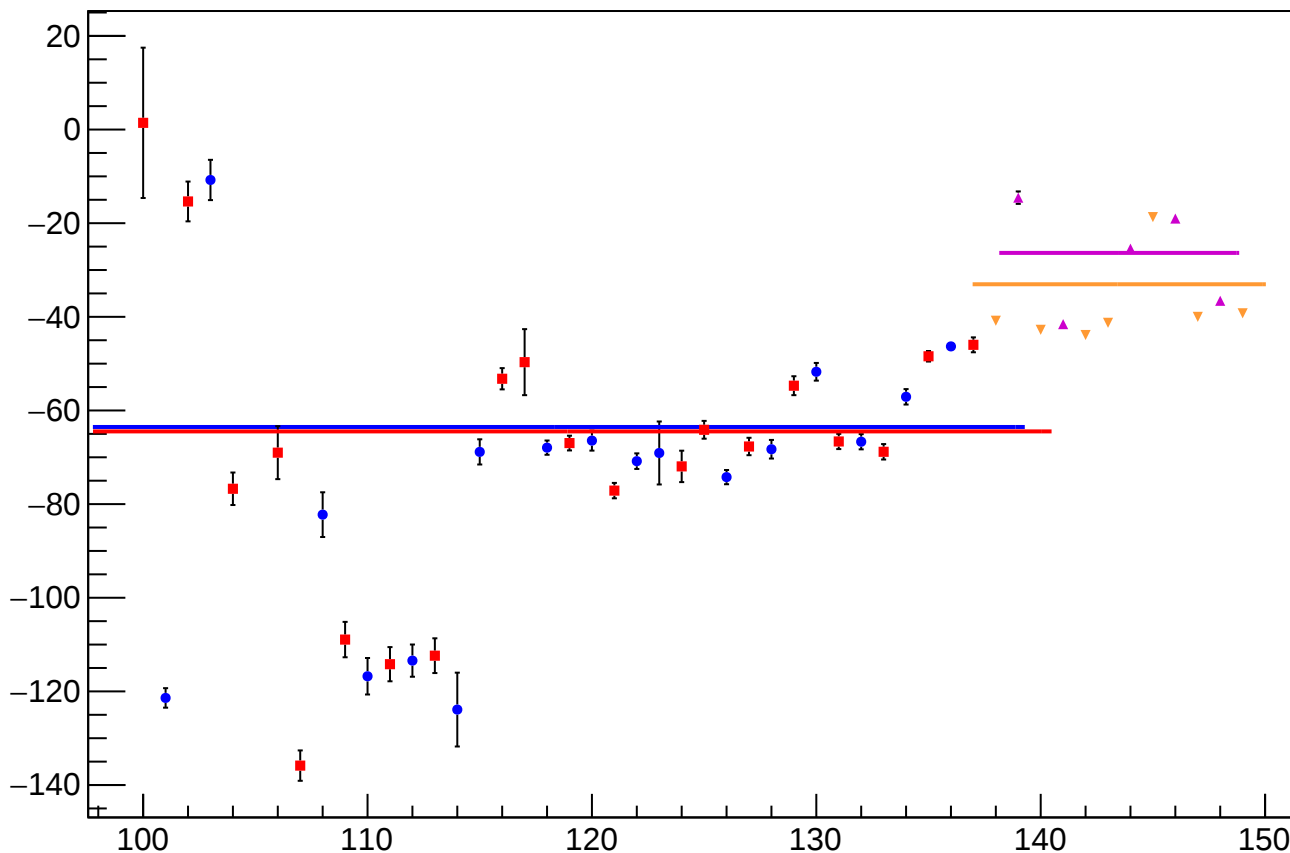
Right Out: -49.579 ± 0.796 χ^2/NDF : 510.0/19

Left In: -40.200 ± 0.239 χ^2/NDF : 2223.4/4

-46.326 ± 0.228 χ^2/NDF : 2040.9/23

-40.978 ± 0.229 χ^2/NDF : 2860.8/24

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 $\pm$ 0.449 χ^2 /NDF: 2010.9/16

Left Out: -33.042 $\pm$ 0.201 χ^2 /NDF: 2932.4/6

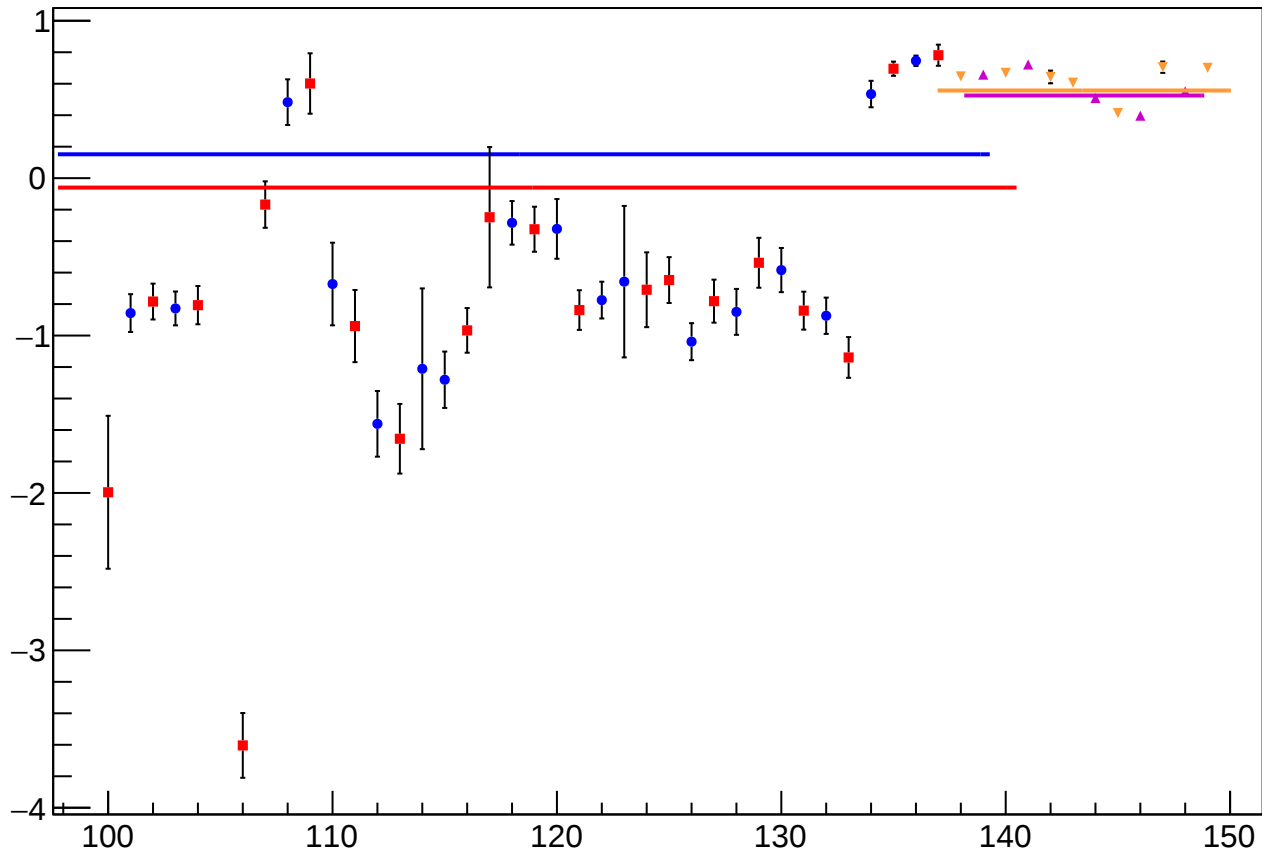
Right Out: -64.470 $\pm$ 0.482 χ^2 /NDF: 1607.5/19

Left In: -26.345 $\pm$ 0.197 χ^2 /NDF: 1788.3/4

-38.144 $\pm$ 0.184 χ^2 /NDF: 8786.7/23

-31.823 $\pm$ 0.183 χ^2 /NDF: 8757.1/24

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.557 ± 0.010 χ^2/NDF : 160.6/6

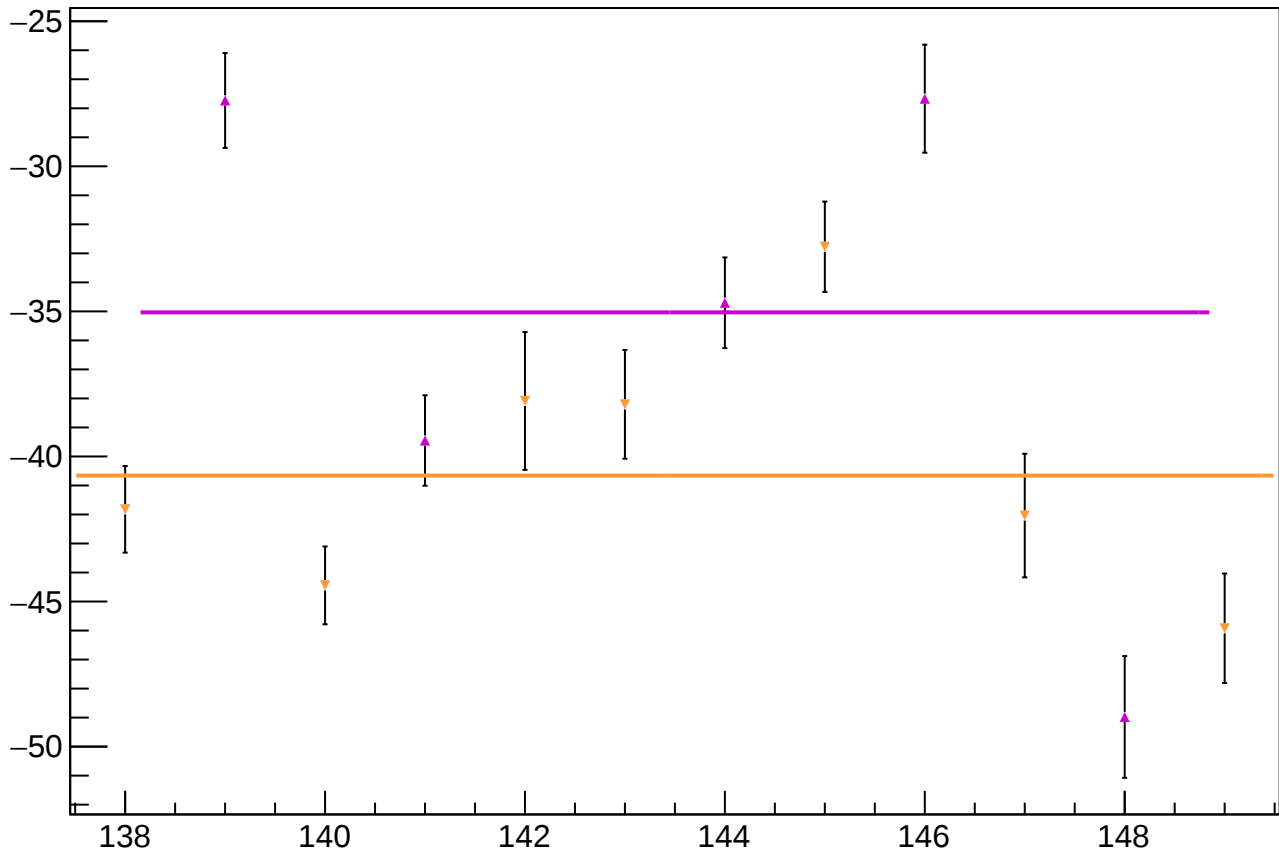
Right Out: -0.060 ± 0.026 χ^2/NDF : 1162.1/19

Left In: 0.525 ± 0.010 χ^2/NDF : 125.5/4

0.498 ± 0.009 χ^2/NDF : 1391.2/23

0.447 ± 0.010 χ^2/NDF : 1717.7/24

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -40.658+/-0.648 χ^2/NDF : 45.3/6

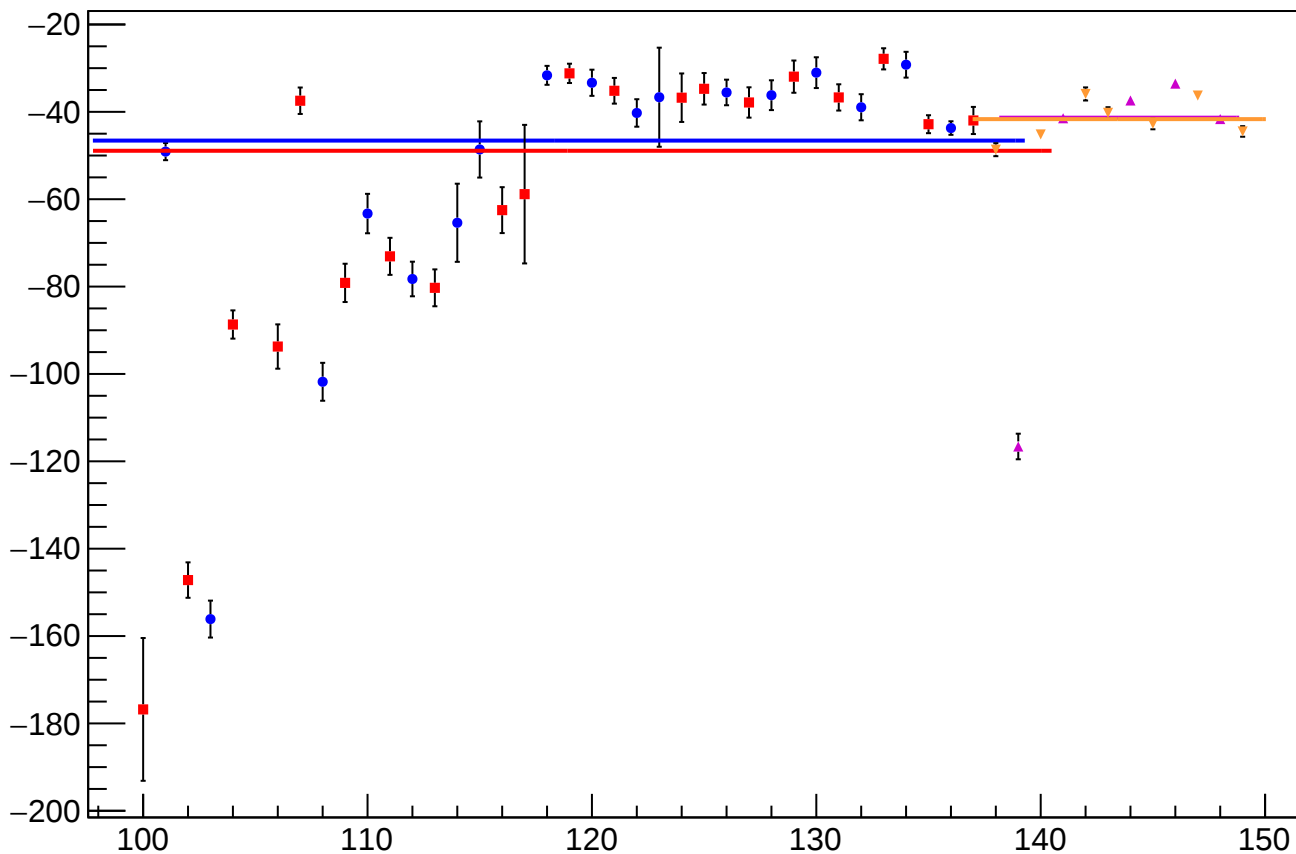
-40.658+/-0.648 χ^2/NDF : 45.3/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-35.033+/-0.765 χ^2/NDF : 87.9/4

Left In: -35.033+/-0.765 χ^2/NDF : 87.9/4

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -41.667 ± 0.466 χ^2/NDF : 82.7/6

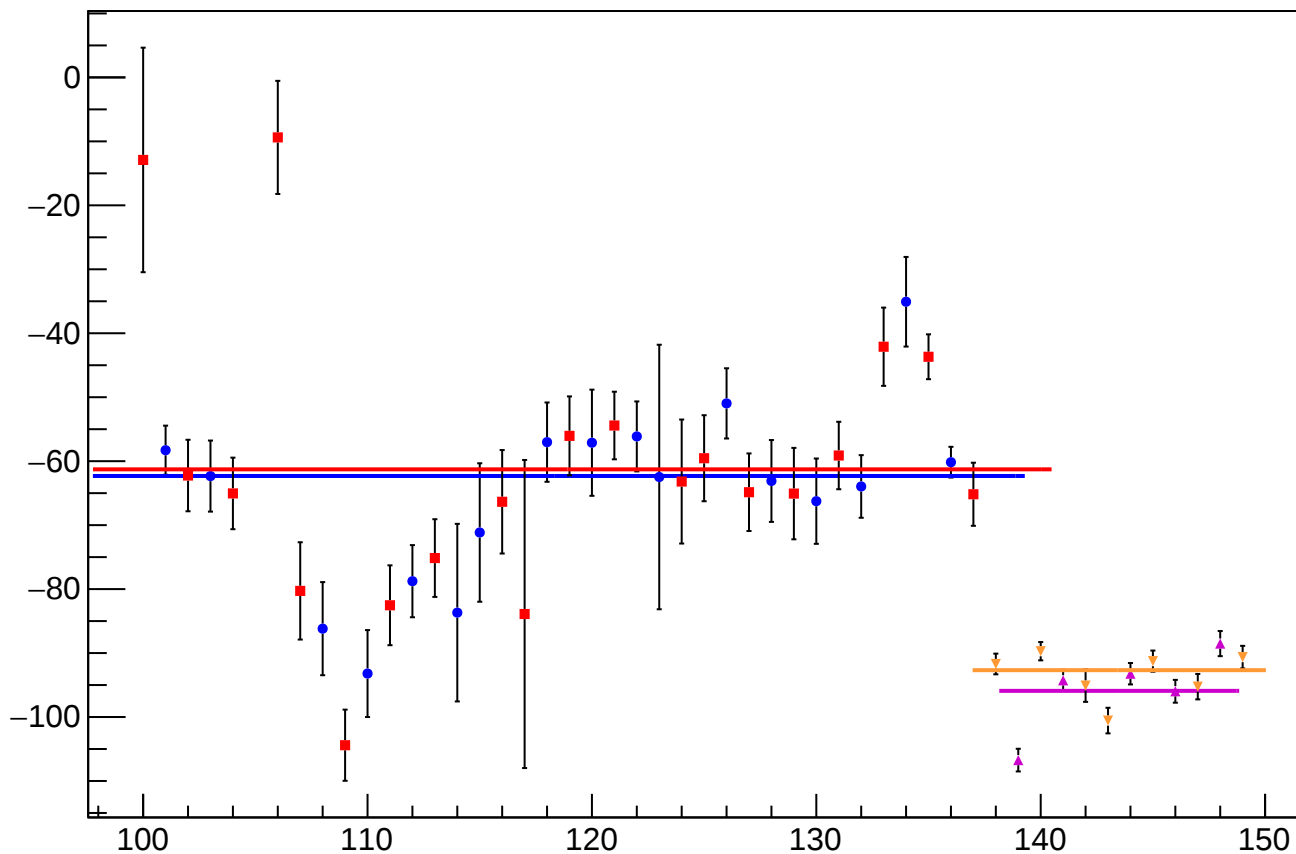
Right Out: -48.911 ± 0.763 χ^2/NDF : 1277.9/19

Left In: -41.335 ± 0.538 χ^2/NDF : 719.2/4

-43.089 ± 0.393 χ^2/NDF : 1191.3/23

-43.856 ± 0.440 χ^2/NDF : 2063.0/24

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 $\pm$ 1.316 χ^2 /NDF: 67.1/16

Left Out: -92.676 $\pm$ 0.672 χ^2 /NDF:24.8/6

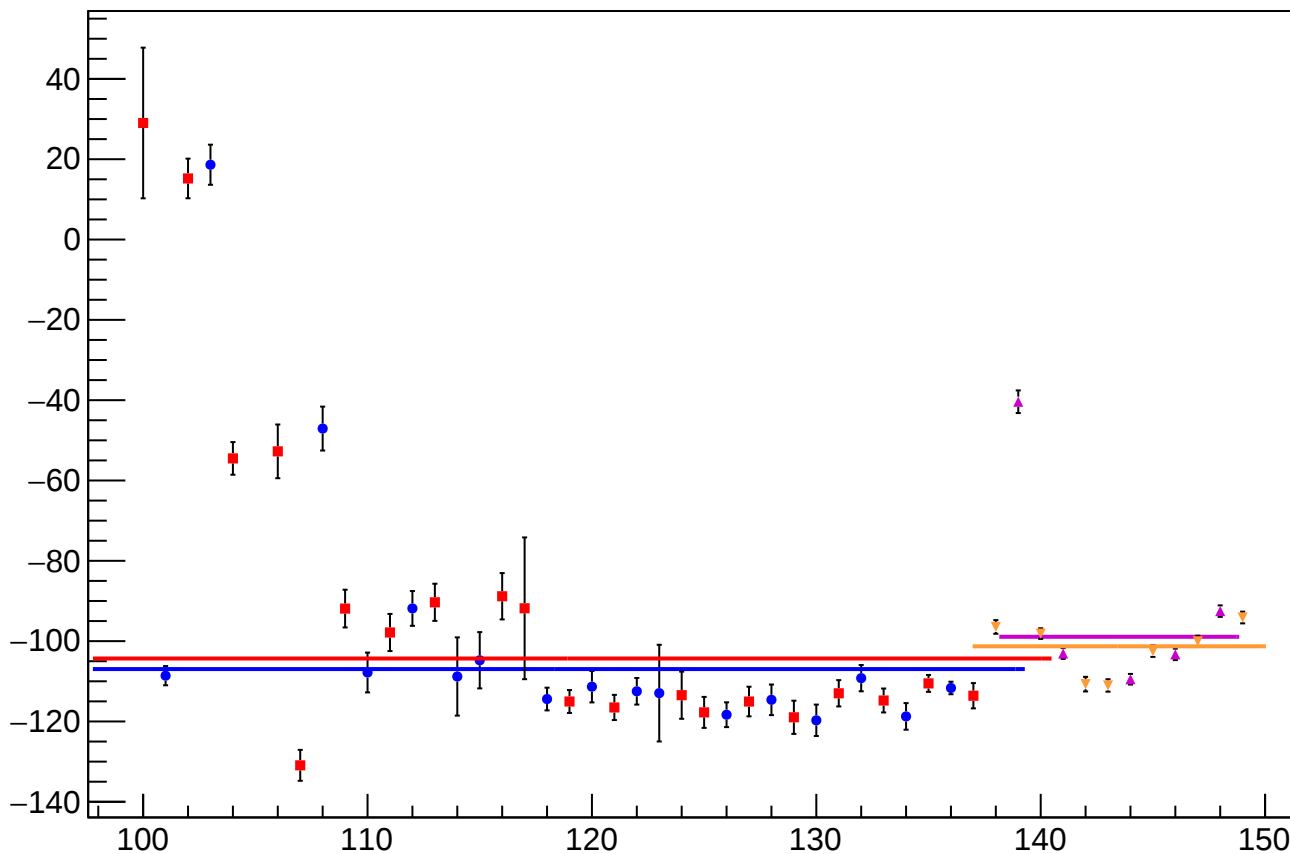
Right Out: -61.277 $\pm$ 1.379 χ^2 /NDF: 165.9/19

Left In: -95.909 $\pm$ 0.787 χ^2 /NDF:55.0/4

-86.396 $\pm$ 0.598 χ^2 /NDF: 514.4/23

-87.390 $\pm$ 0.684 χ^2 /NDF: 696.7/24

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954+/-0.817 χ^2/NDF : 827.2/16

Left Out: -101.293+/-0.569 χ^2/NDF : 105.7/6

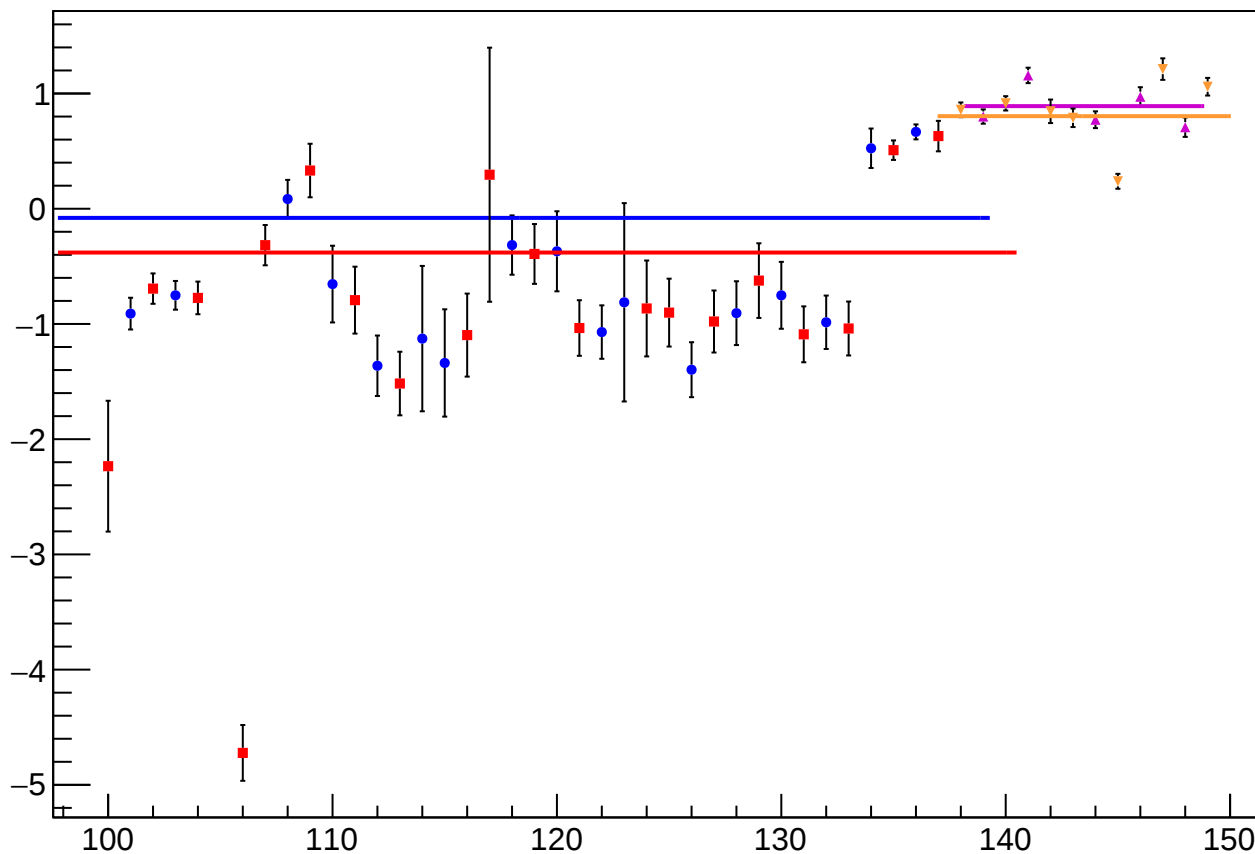
Right Out: -104.326+/-0.860 χ^2/NDF : 1021.5/19

Left In: -98.916+/-0.669 χ^2/NDF : 533.5/4

-103.142+/-0.467 χ^2/NDF : 965.2/23

-100.956+/-0.528 χ^2/NDF : 1579.6/24

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079±0.042 χ^2/NDF : 328.5/16

Left Out: 0.803±0.028 χ^2/NDF :110.5/6

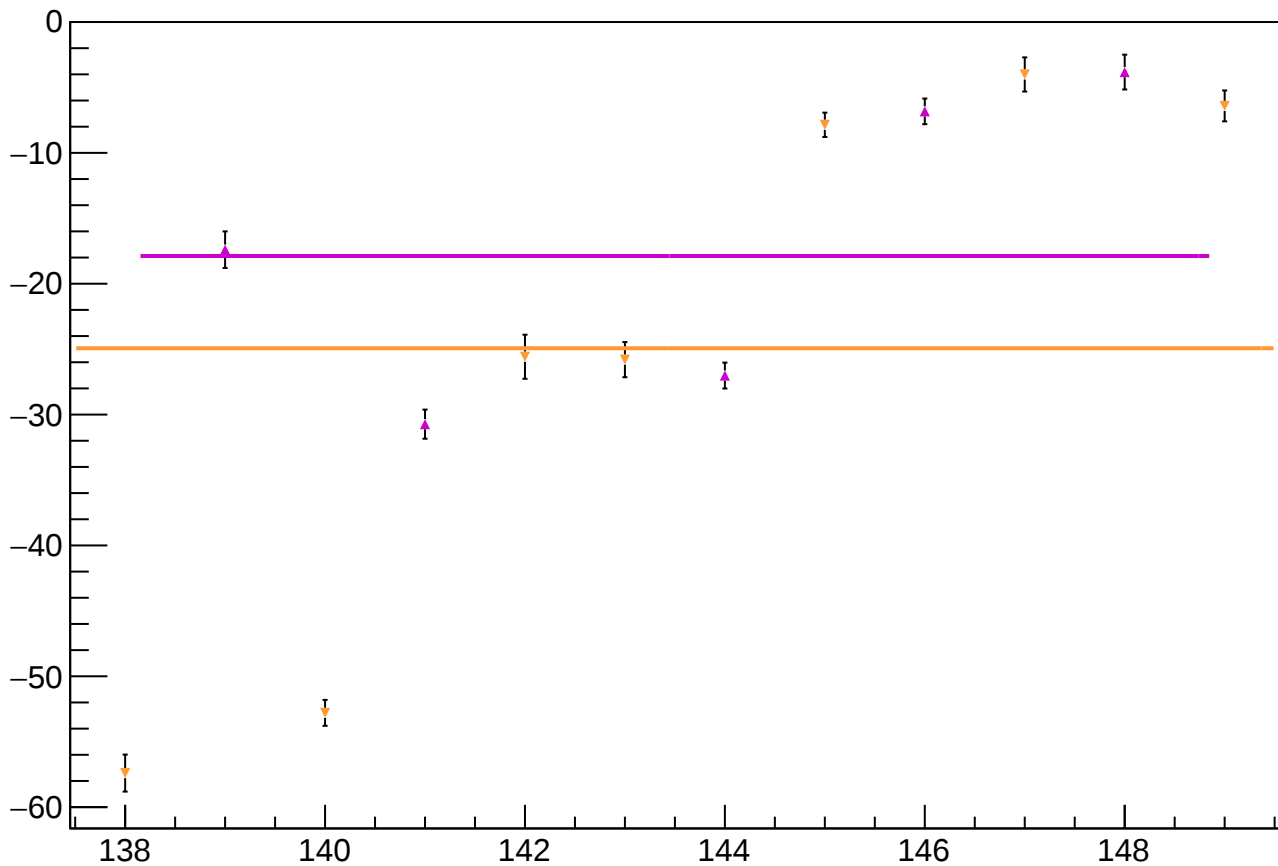
Right Out: -0.380±0.044 χ^2/NDF : 580.9/19

Left In: 0.891±0.032 χ^2/NDF :26.3/4

0.534±0.023 χ^2/NDF : 742.3/23

0.445±0.026 χ^2/NDF : 1149.2/24

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -24.931+/-0.452 χ^2/NDF : 2160.0/6

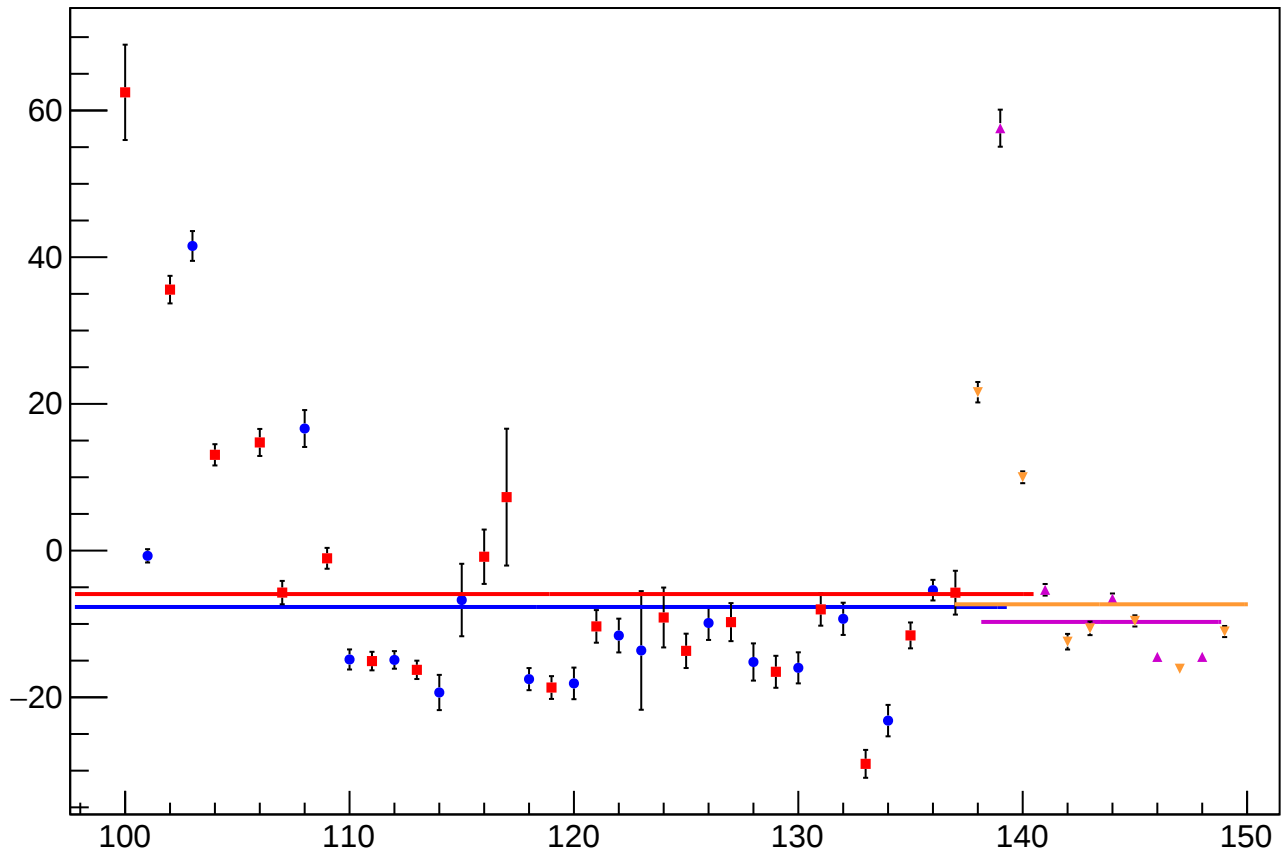
-24.931+/-0.452 χ^2/NDF : 2160.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -17.883+/-0.503 χ^2/NDF : 457.8/4

-17.883+/-0.503 χ^2/NDF : 457.8/4

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -7.319 ± 0.314 χ^2/NDF : 1156.7/6

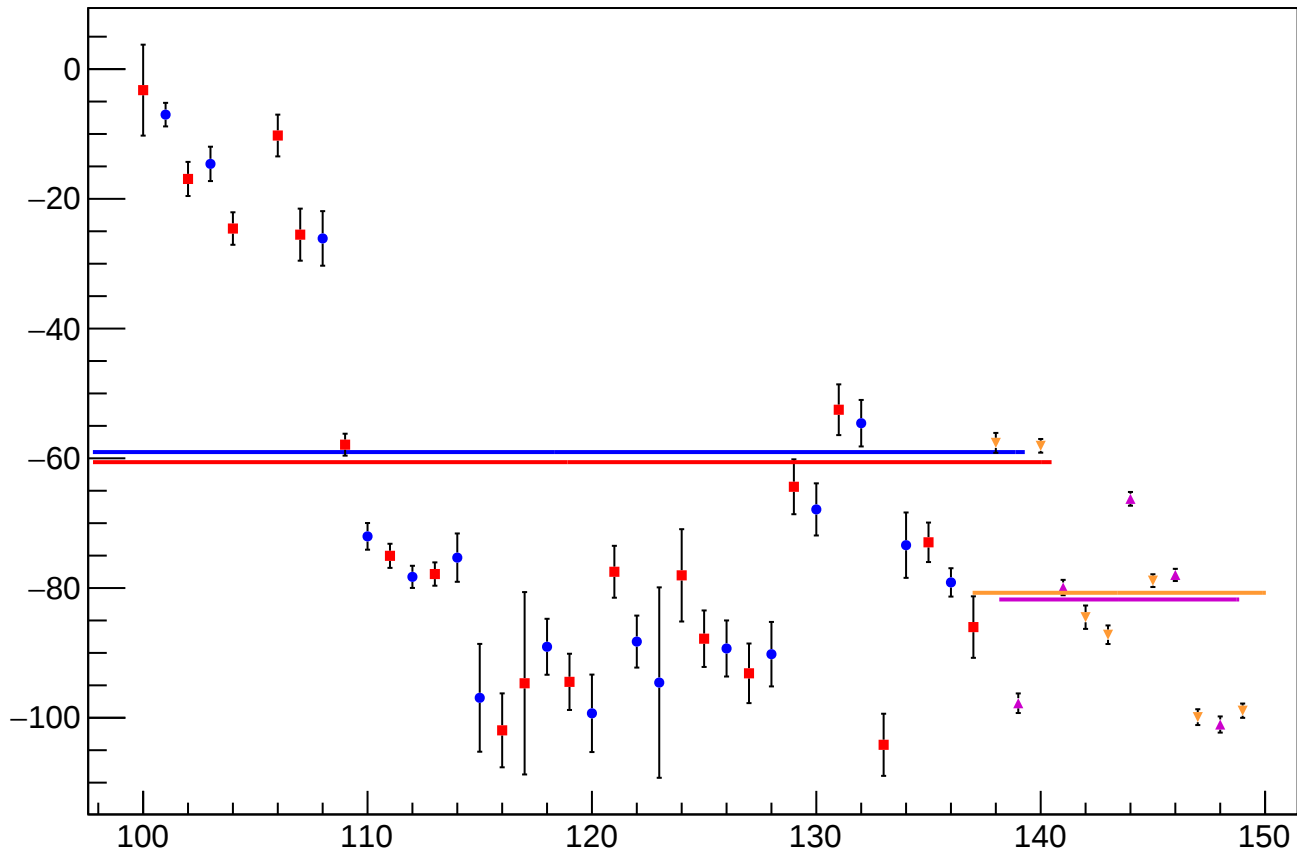
Right Out: -5.925 ± 0.428 χ^2/NDF : 1300.1/19

Left In: -9.724 ± 0.338 χ^2/NDF : 874.2/4

-7.447 ± 0.254 χ^2/NDF : 2133.2/23

-8.268 ± 0.265 χ^2/NDF : 2222.8/24

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -80.732 ± 0.464 χ^2/NDF : 1235.7/6

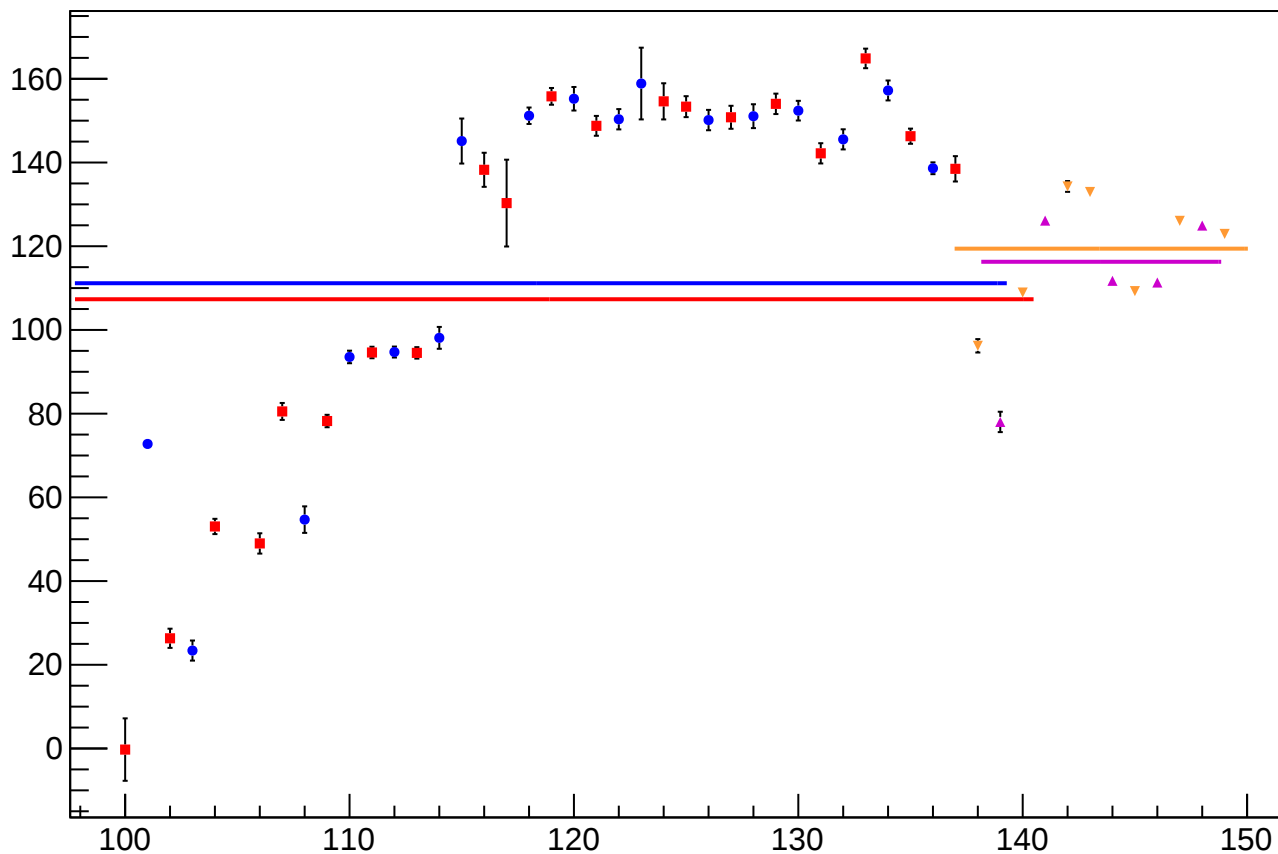
Right Out: -60.593 ± 0.704 χ^2/NDF : 1390.7/19

Left In: -81.765 ± 0.512 χ^2/NDF : 584.1/4

-74.678 ± 0.394 χ^2/NDF : 3555.4/23

-74.436 ± 0.414 χ^2/NDF : 2567.0/24

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: 119.422 $\pm$ 0.386 χ^2 /NDF: 816.4/6

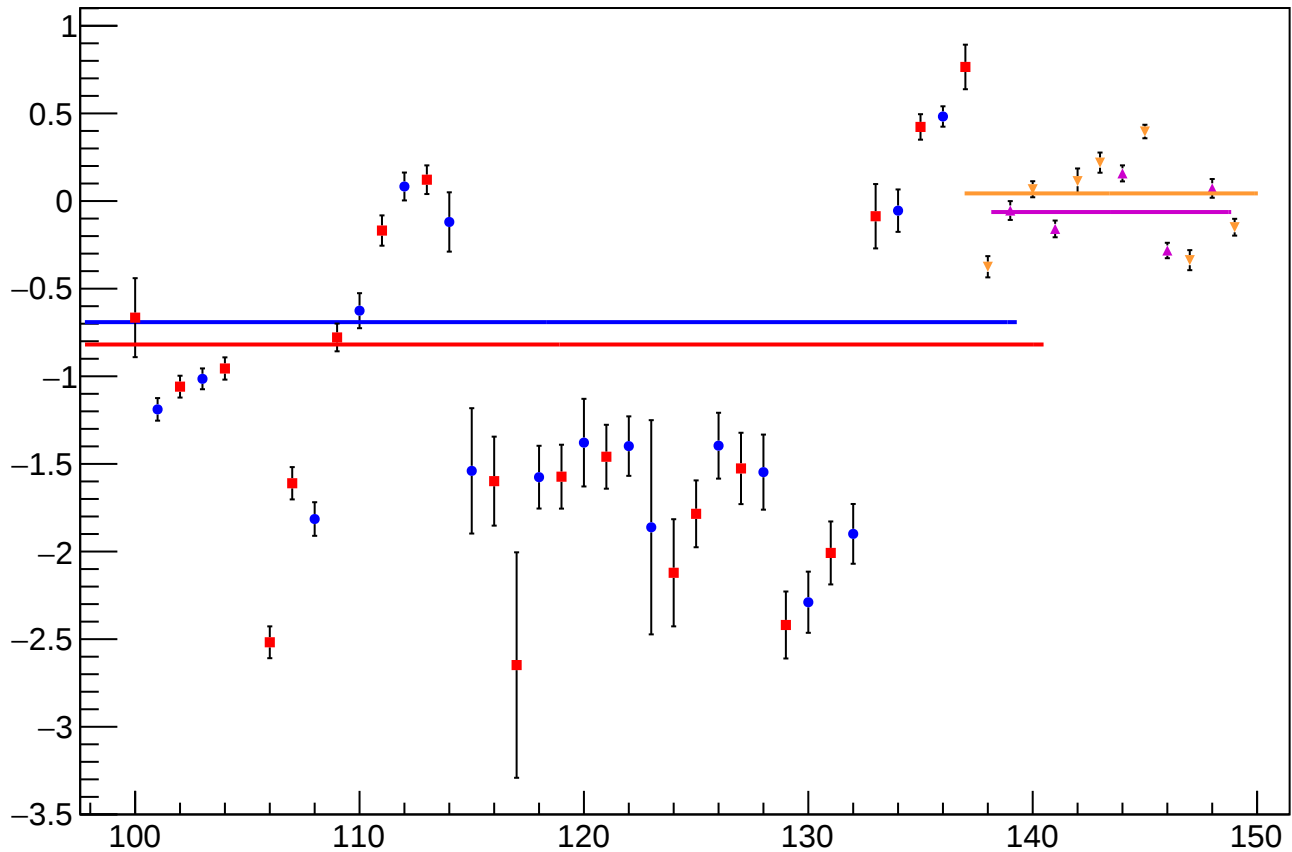
Right Out: 107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

Left In: 116.286 $\pm$ 0.422 χ^2 /NDF: 515.9/4

116.252 $\pm$ 0.303 χ^2 /NDF: 6869.9/23

112.445 $\pm$ 0.319 χ^2 /NDF: 7768.7/24

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 $\chi^2/\text{NDF}: 990.9/16$

Left Out: 0.044 ± 0.019 $\chi^2/\text{NDF}: 202.5/6$

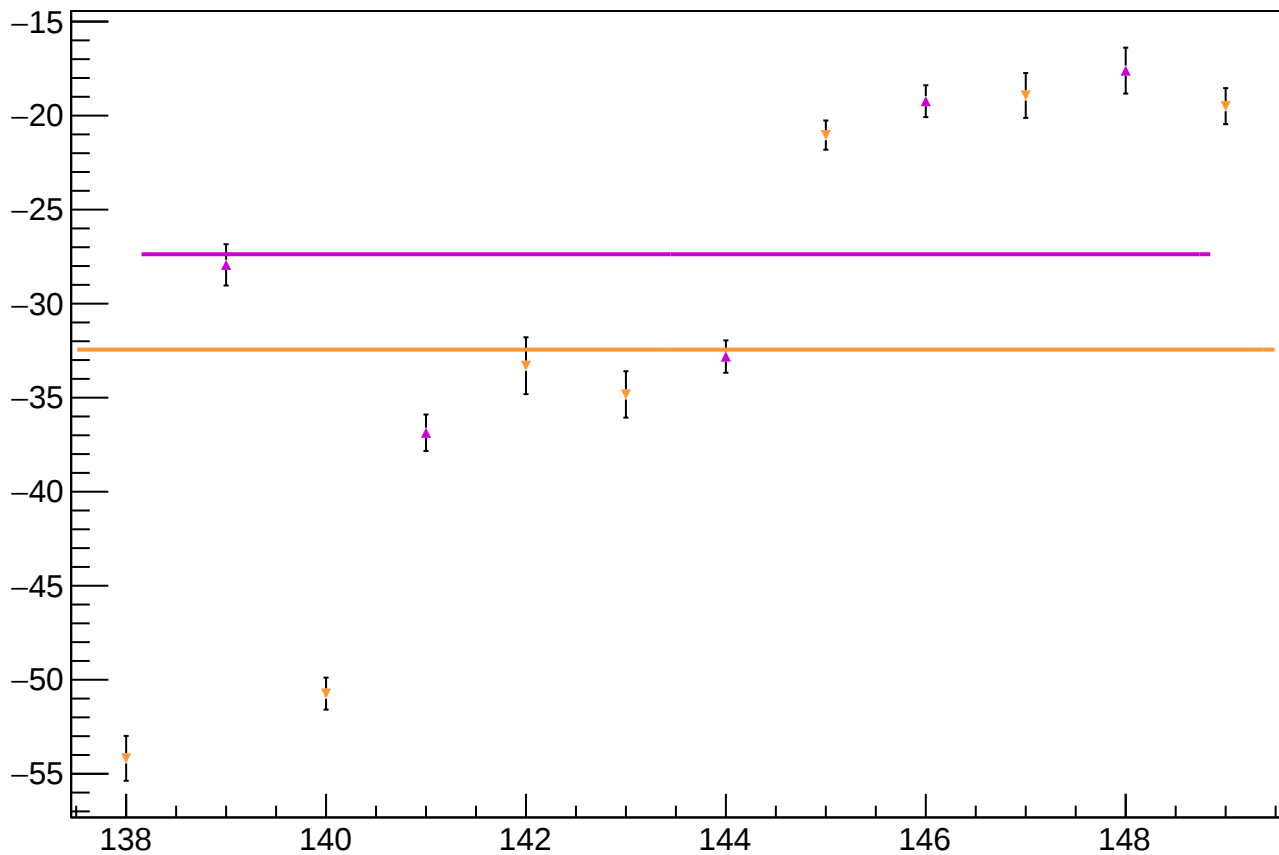
Right Out: -0.819 ± 0.024 $\chi^2/\text{NDF}: 1312.5/19$

Left In: -0.063 ± 0.022 $\chi^2/\text{NDF}: 58.6/4$

-0.222 ± 0.016 $\chi^2/\text{NDF}: 1710.5/23$

-0.397 ± 0.016 $\chi^2/\text{NDF}: 1908.8/24$

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -32.445+/-0.388 χ^2/NDF : 1325.7/6

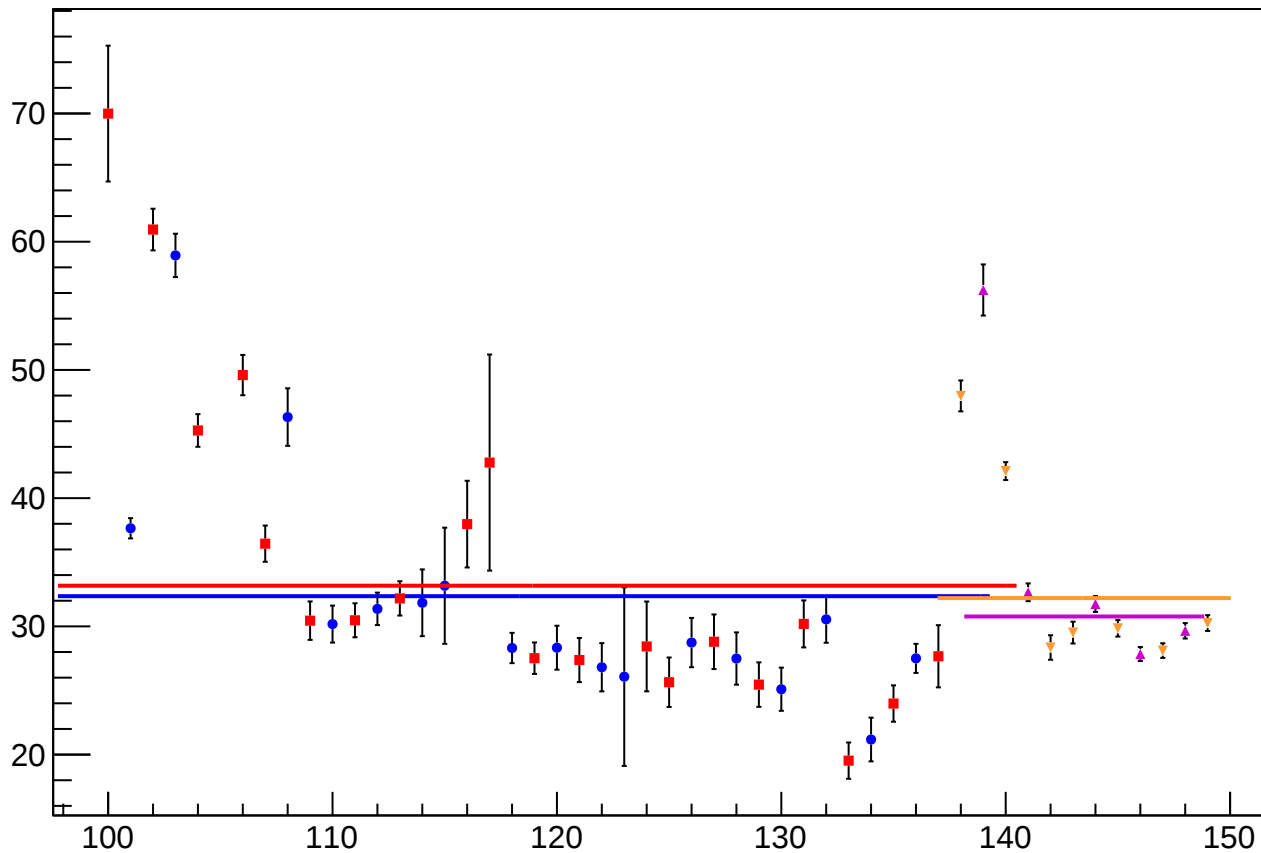
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -27.372+/-0.434 χ^2/NDF : 292.2/4

-32.445+/-0.388 χ^2/NDF : 1325.7/6

-27.372+/-0.434 χ^2/NDF : 292.2/4

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 32.206+/-0.274 χ^2/NDF : 474.0/6

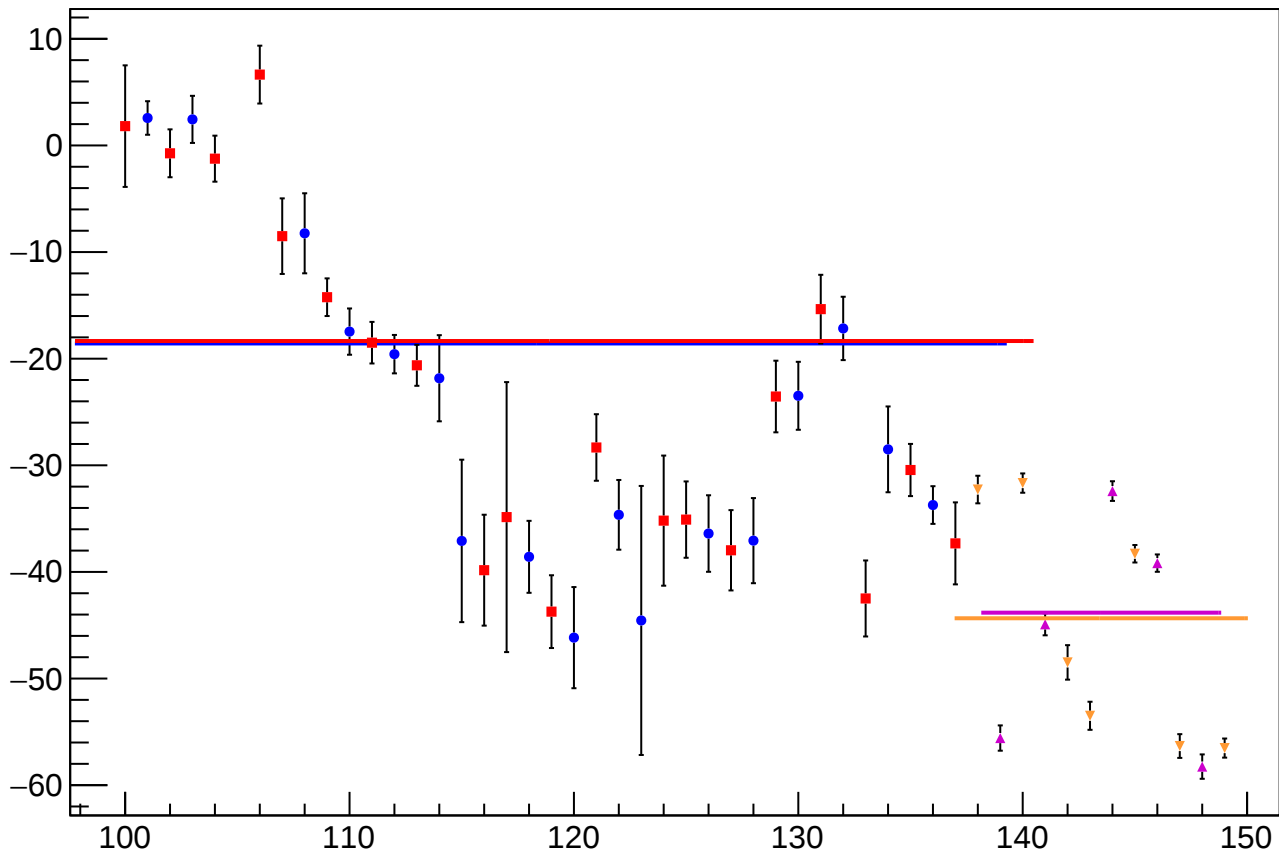
Right Out: 33.172+/-0.378 χ^2/NDF : 773.3/19

Left In: 30.771+/-0.301 χ^2/NDF : 205.2/4

32.258+/-0.221 χ^2/NDF : 924.6/23

31.700+/-0.235 χ^2/NDF : 1003.1/24

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -44.347 ± 0.398 χ^2/NDF : 692.8/6

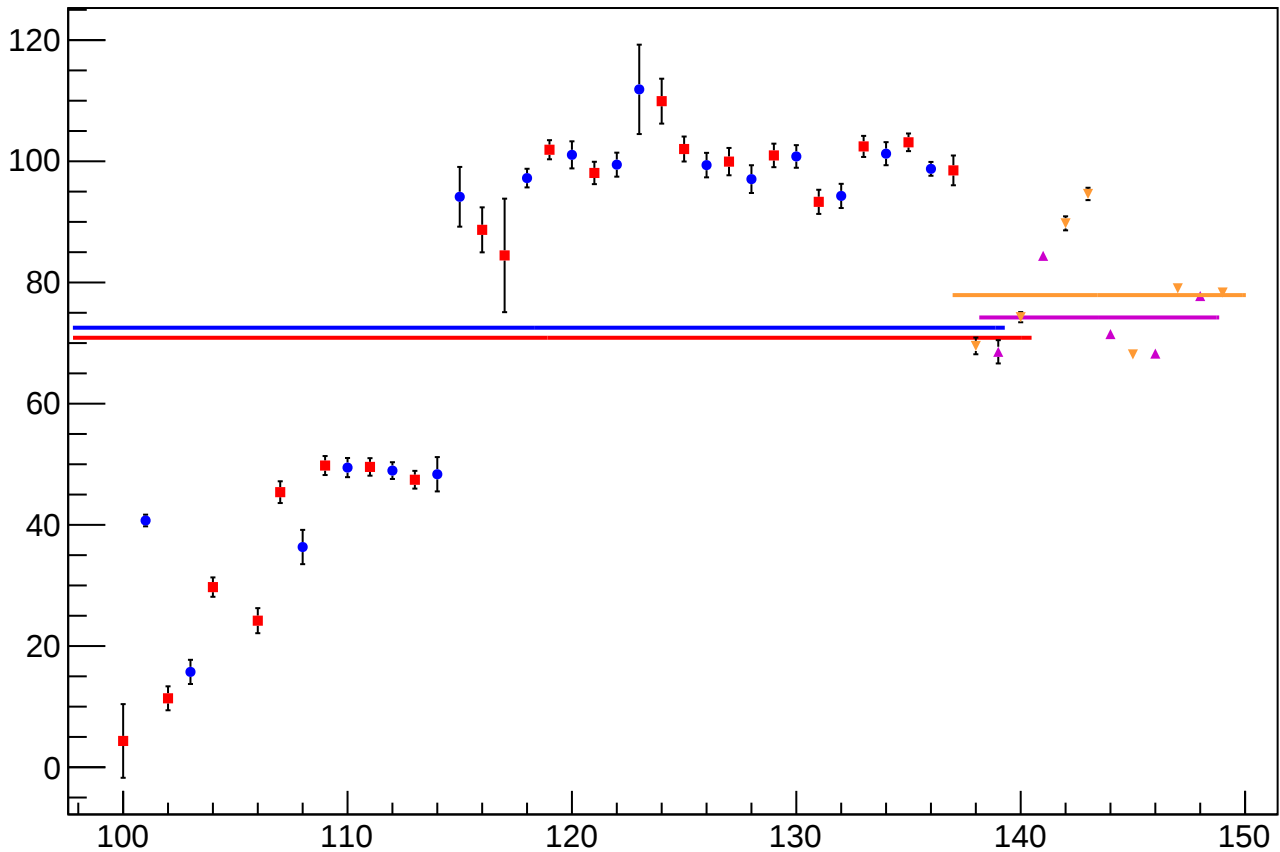
Right Out: -18.343 ± 0.643 χ^2/NDF : 475.1/19

Left In: -43.822 ± 0.443 χ^2/NDF : 444.0/4

-37.589 ± 0.342 χ^2/NDF : 2304.5/23

-35.620 ± 0.365 χ^2/NDF : 1983.8/24

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 77.918+/-0.335 χ^2/NDF : 605.7/6

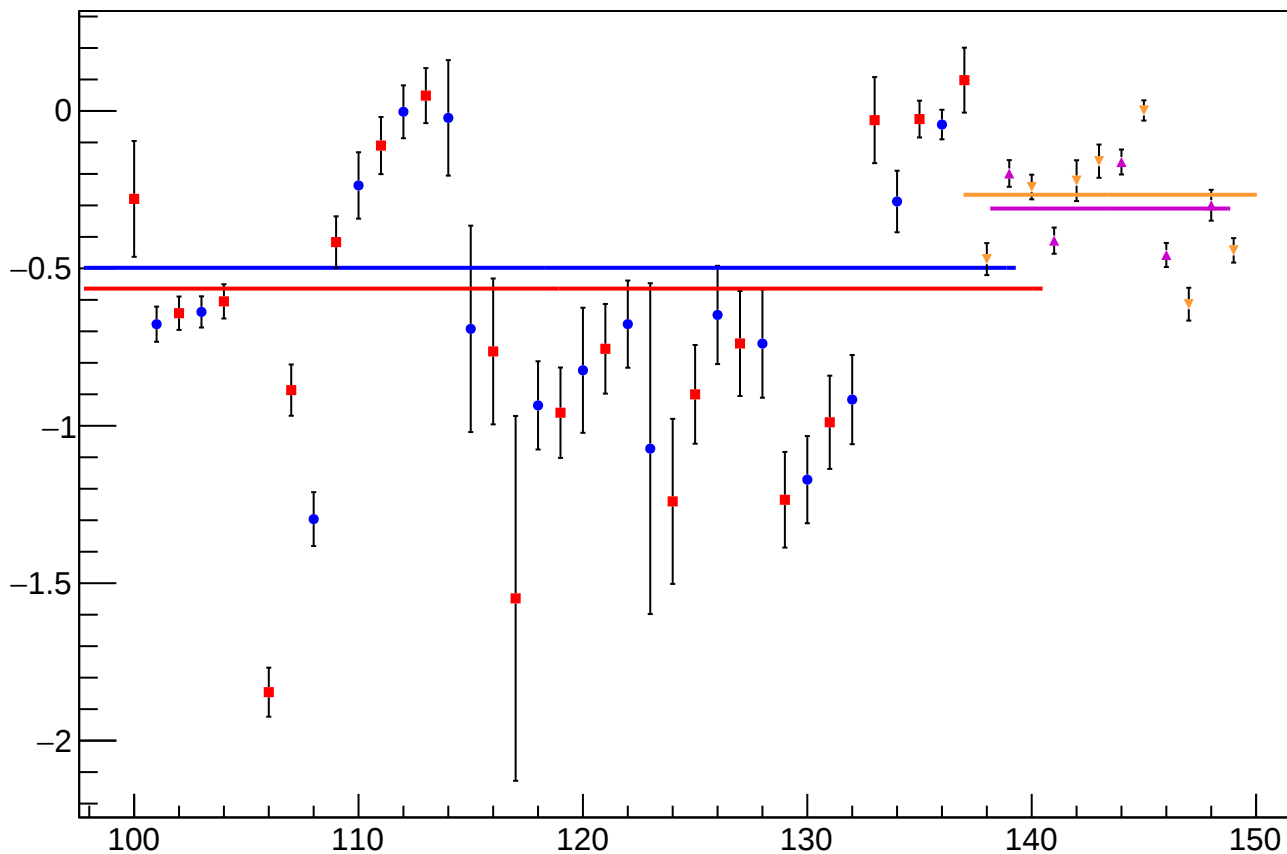
Right Out: 70.878+/-0.433 χ^2/NDF : 5502.3/19

Left In: 74.227+/-0.372 χ^2/NDF : 267.9/4

75.876+/-0.264 χ^2/NDF : 5387.8/23

72.803+/-0.282 χ^2/NDF : 5804.6/24

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 $\chi^2/\text{NDF}: 302.8/16$

Left Out: -0.266 ± 0.017 $\chi^2/\text{NDF}: 155.4/6$

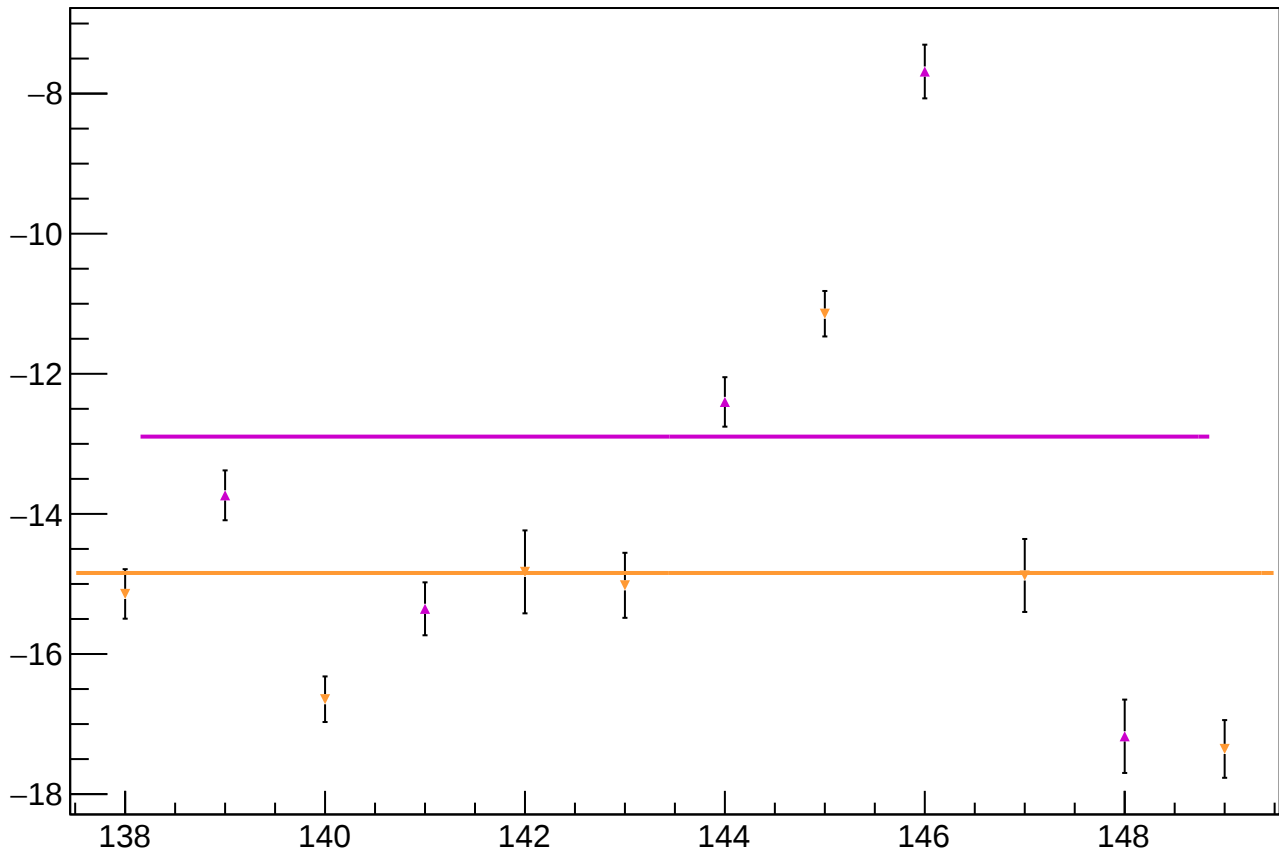
Right Out: -0.564 ± 0.021 $\chi^2/\text{NDF}: 563.6/19$

Left In: -0.310 ± 0.019 $\chi^2/\text{NDF}: 41.7/4$

-0.349 ± 0.013 $\chi^2/\text{NDF}: 527.7/23$

-0.420 ± 0.014 $\chi^2/\text{NDF}: 685.6/24$

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -14.843+/-0.151 χ^2/NDF : 198.7/6

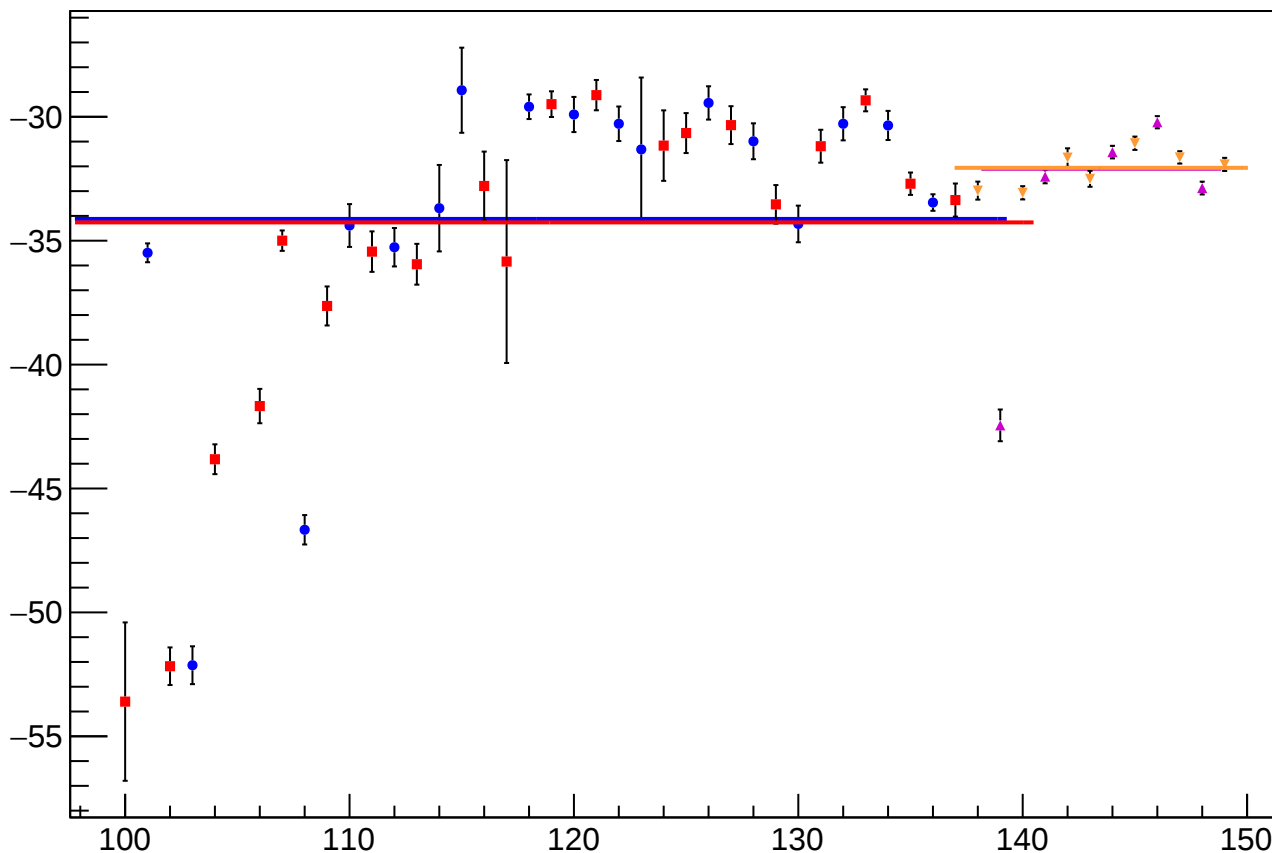
-14.843+/-0.151 χ^2/NDF : 198.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-12.897+/-0.173 χ^2/NDF : 301.5/4

Left In: -12.897+/-0.173 χ^2/NDF : 301.5/4

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122+/-0.152 χ^2/NDF : 1322.4/16

Left Out: -32.059+/-0.110 χ^2/NDF : 40.4/6

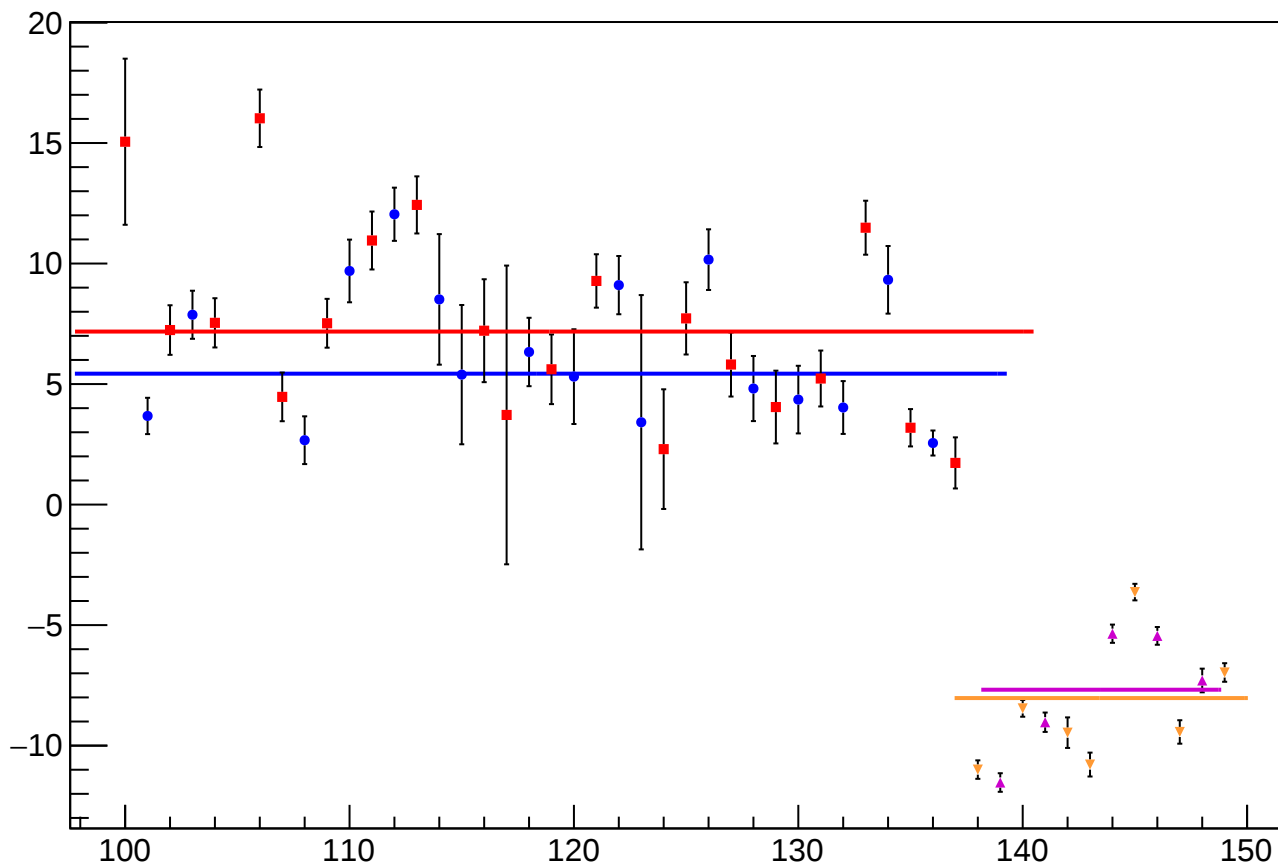
Right Out: -34.262+/-0.151 χ^2/NDF : 1355.1/19

Left In: -32.097+/-0.126 χ^2/NDF : 337.1/4

-32.771+/-0.089 χ^2/NDF : 1483.7/23

-32.987+/-0.097 χ^2/NDF : 1813.7/24

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.027 ± 0.156 χ^2/NDF : 277.8/6

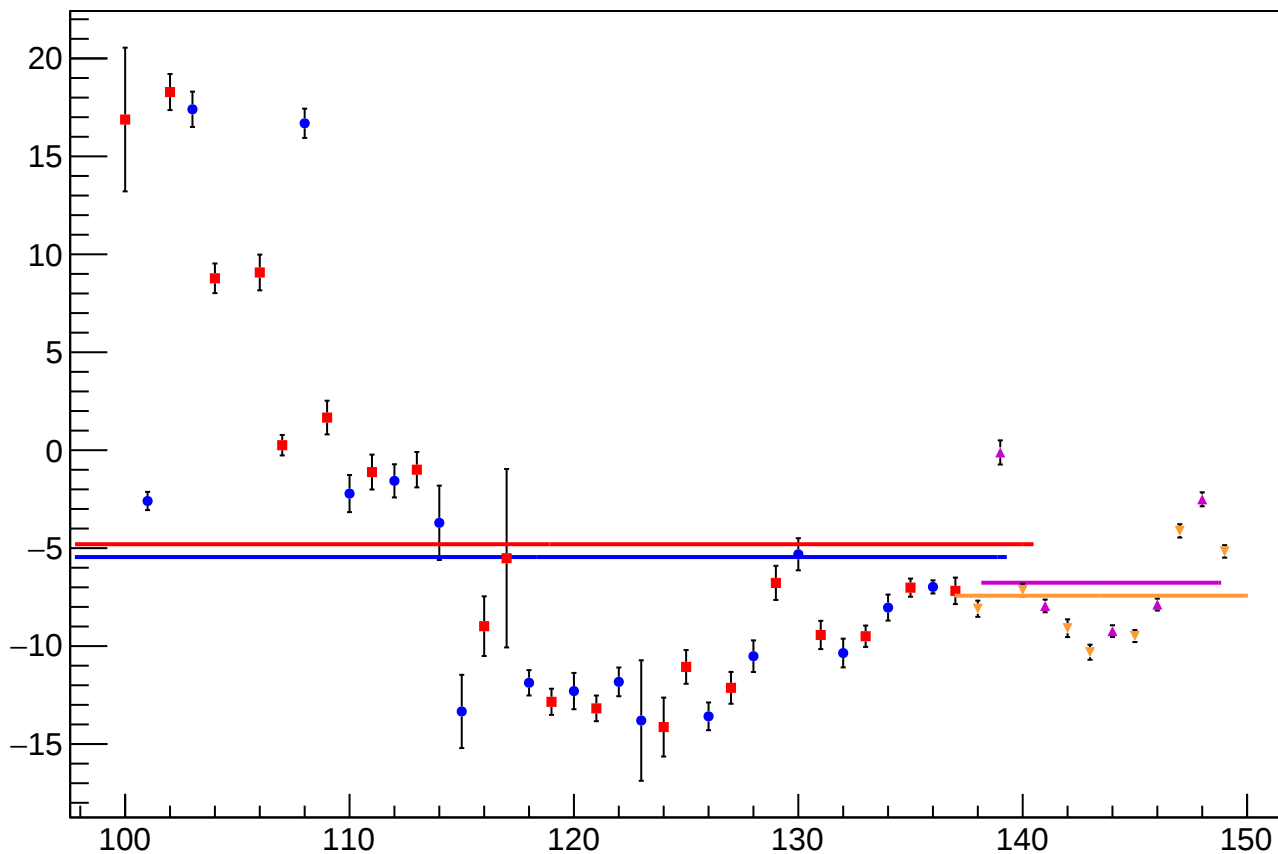
Right Out: 7.178 ± 0.274 χ^2/NDF : 182.4/19

Left In: -7.681 ± 0.178 χ^2/NDF : 186.2/4

-4.670 ± 0.135 χ^2/NDF : 2269.0/23

-3.263 ± 0.149 χ^2/NDF : 2432.6/24

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: -7.427+/-0.134 χ^2/NDF : 261.2/6

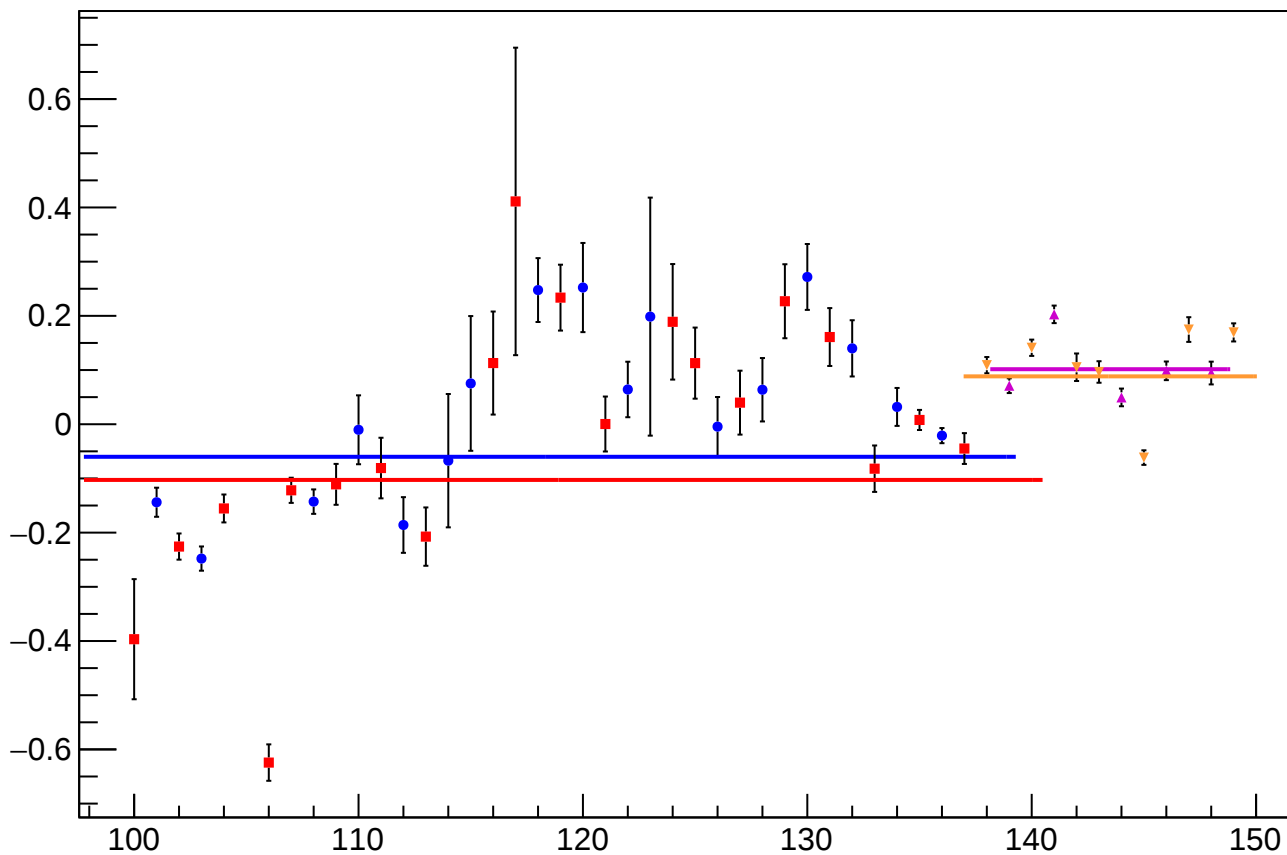
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -6.765+/-0.155 χ^2/NDF : 352.6/4

-6.678+/-0.105 χ^2/NDF : 2440.4/23

-5.891+/-0.115 χ^2/NDF : 2471.9/24

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: 0.088 ± 0.006 χ^2/NDF : 177.0/6

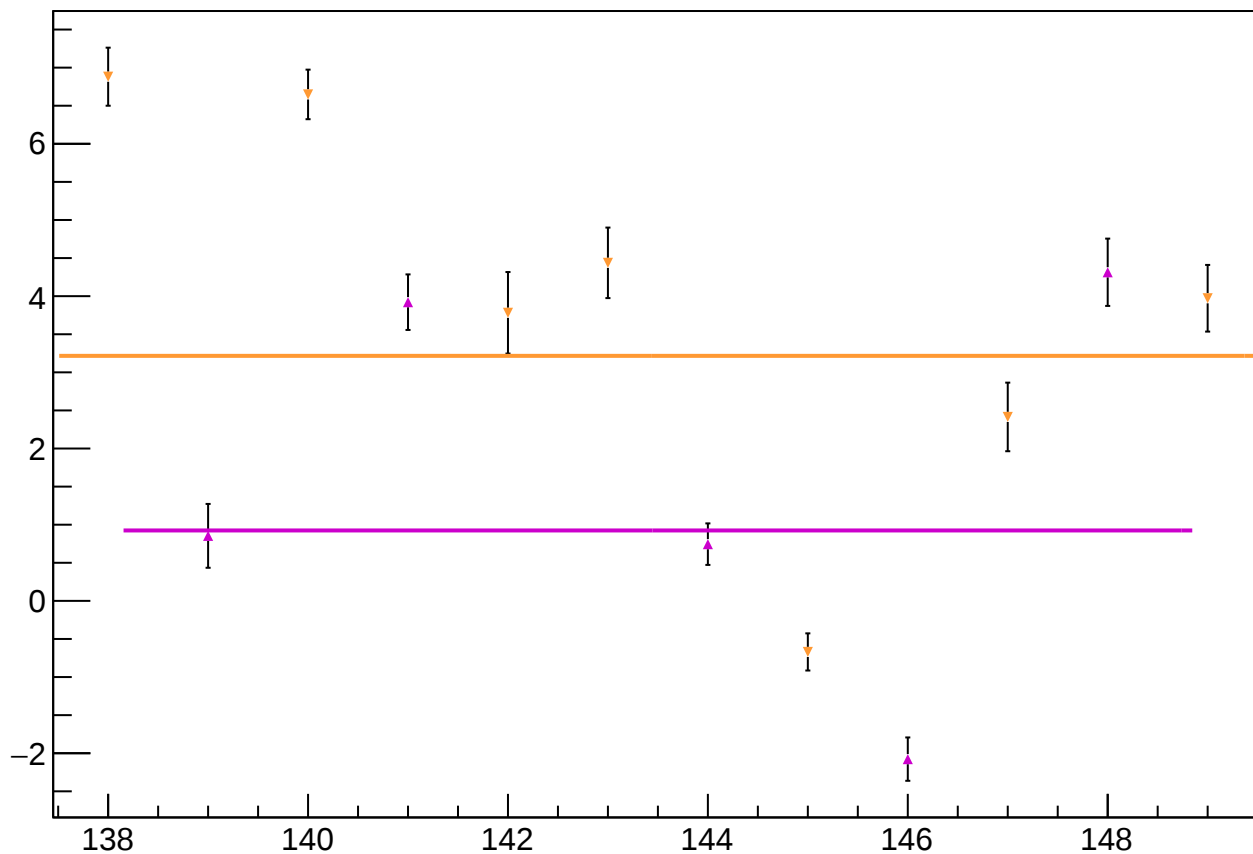
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.102 ± 0.007 χ^2/NDF : 54.4/4

0.033 ± 0.005 χ^2/NDF : 588.6/23

0.014 ± 0.006 χ^2/NDF : 826.4/24

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug

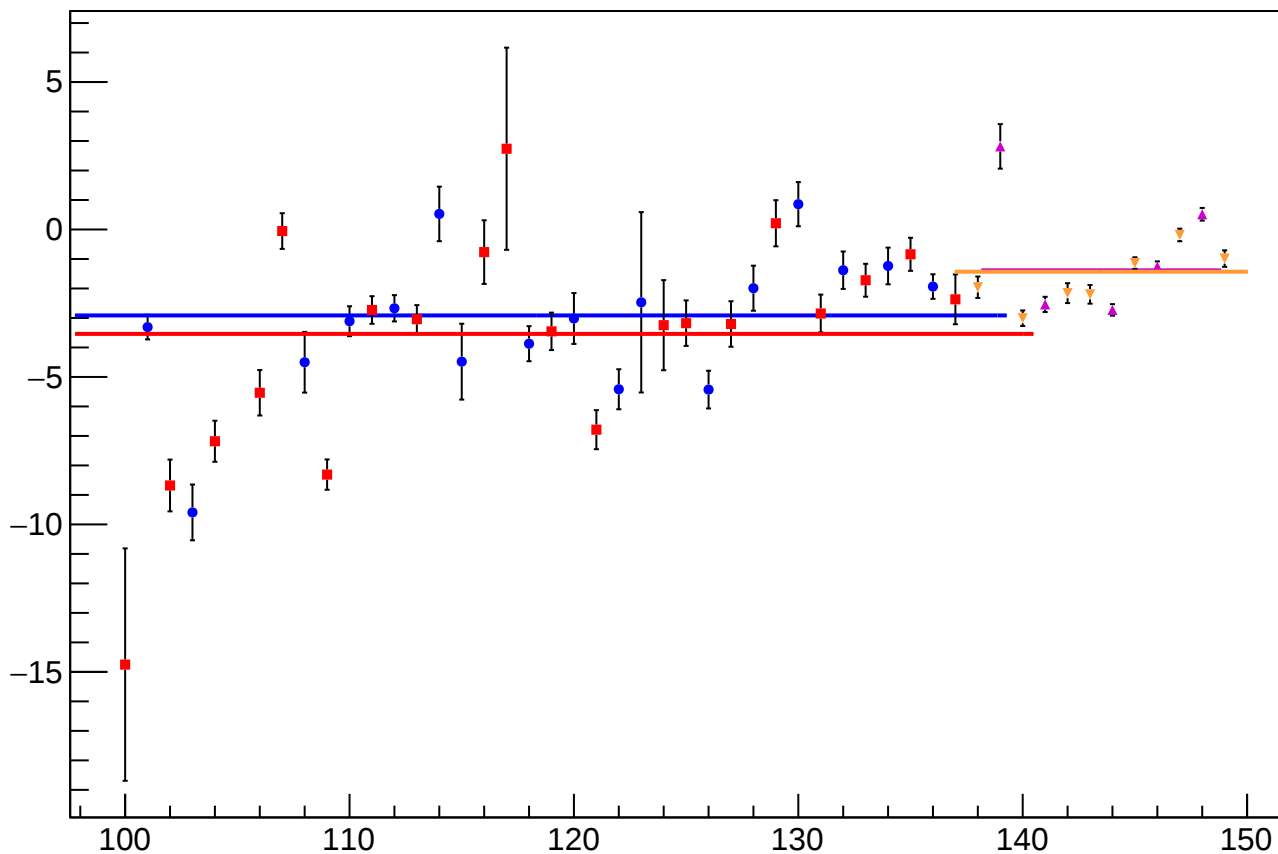


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.216+/-0.139 χ^2/NDF : 472.0/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.924+/-0.150 χ^2/NDF : 238.2/4

3.216+/-0.139 χ^2/NDF : 472.0/6

0.924+/-0.150 χ^2/NDF : 238.2/4

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914+/-0.155 χ^2/NDF : 146.1/16

Left Out: -1.432+/-0.099 χ^2/NDF : 87.1/6

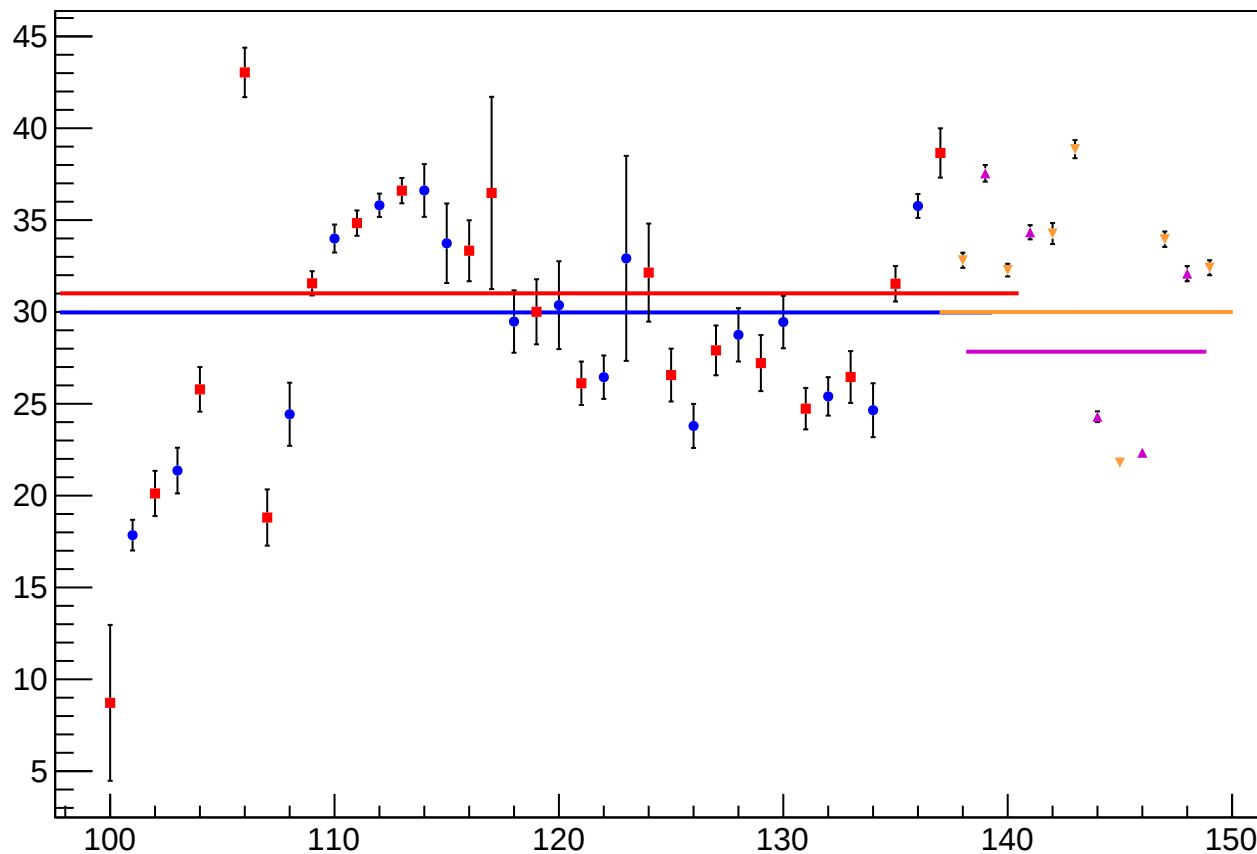
Right Out: -3.540+/-0.154 χ^2/NDF : 294.2/19

Left In: -1.385+/-0.101 χ^2/NDF : 176.8/4

-1.864+/-0.084 χ^2/NDF : 298.0/23

-2.033+/-0.085 χ^2/NDF : 607.2/24

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: 29.998 $\pm$ 0.145 χ^2 /NDF:1588.8/6

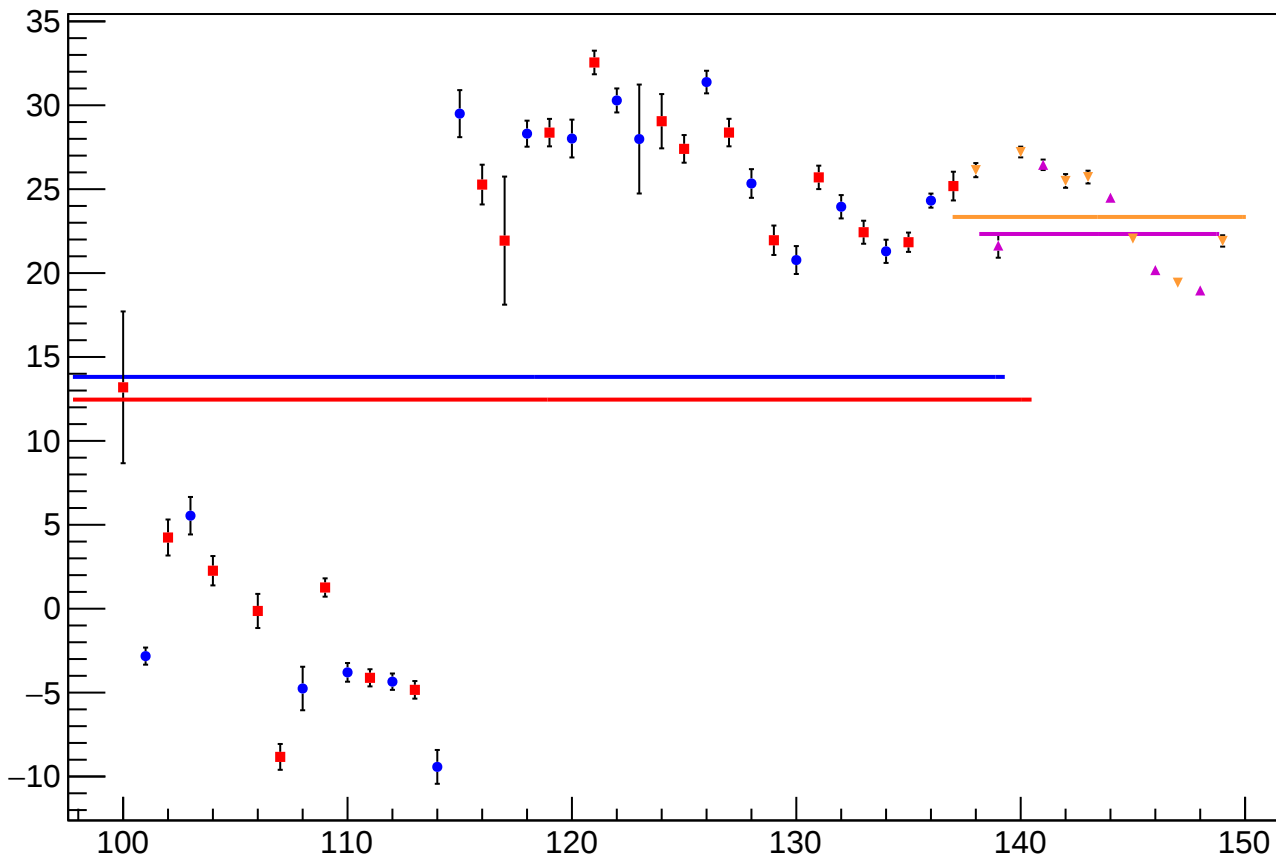
Right Out: 31.013 $\pm$ 0.260 χ^2 /NDF: 480.6/19

Left In: 27.836 $\pm$ 0.153 χ^2 /NDF:1397.2/4

29.992 $\pm$ 0.127 χ^2 /NDF: 2143.1/23

28.658 $\pm$ 0.132 χ^2 /NDF: 1988.6/24

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 23.345 $\pm$ 0.121 χ^2 /NDF: 483.9/6

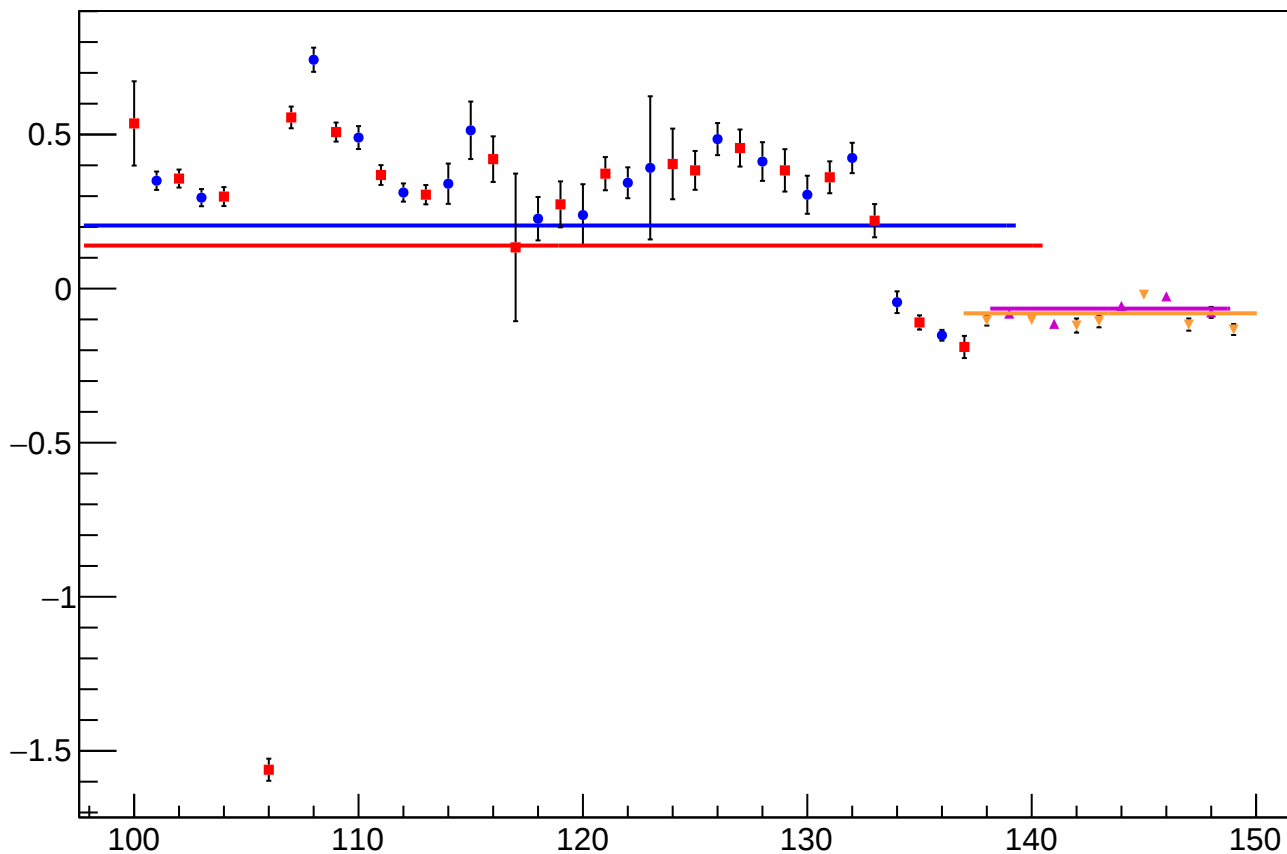
Right Out: 12.460 $\pm$ 0.174 χ^2 /NDF: 6976.5/19

Left In: 22.330 $\pm$ 0.126 χ^2 /NDF: 484.0/4

20.197 $\pm$ 0.099 χ^2 /NDF: 9843.3/23

18.910 $\pm$ 0.102 χ^2 /NDF: 9574.3/24

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: -0.080 ± 0.006 χ^2/NDF : 56.1/6

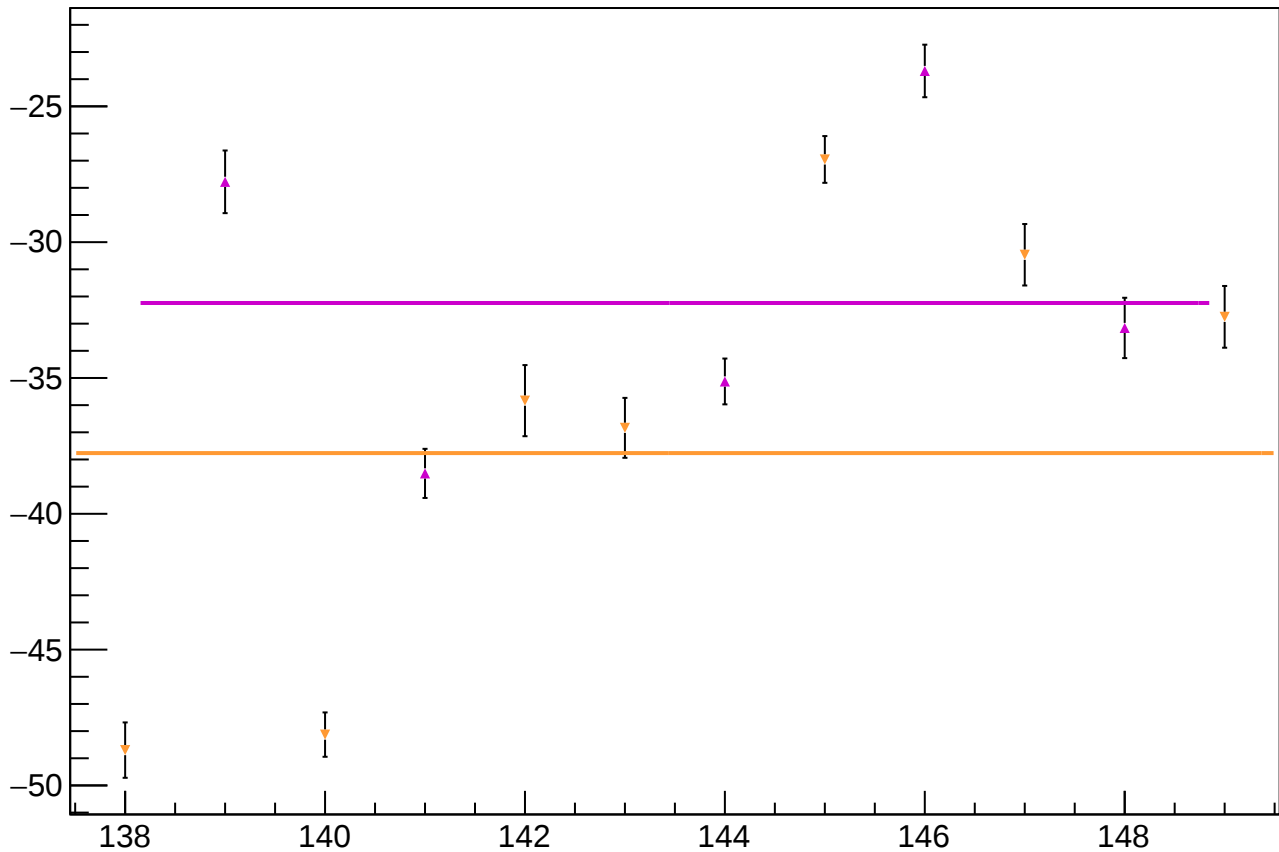
Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/19

Left In: -0.065 ± 0.006 χ^2/NDF : 21.8/4

0.002 ± 0.005 χ^2/NDF : 1557.7/23

0.003 ± 0.005 χ^2/NDF : 3366.0/24

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -37.765+/-0.384 χ^2/NDF : 498.0/6

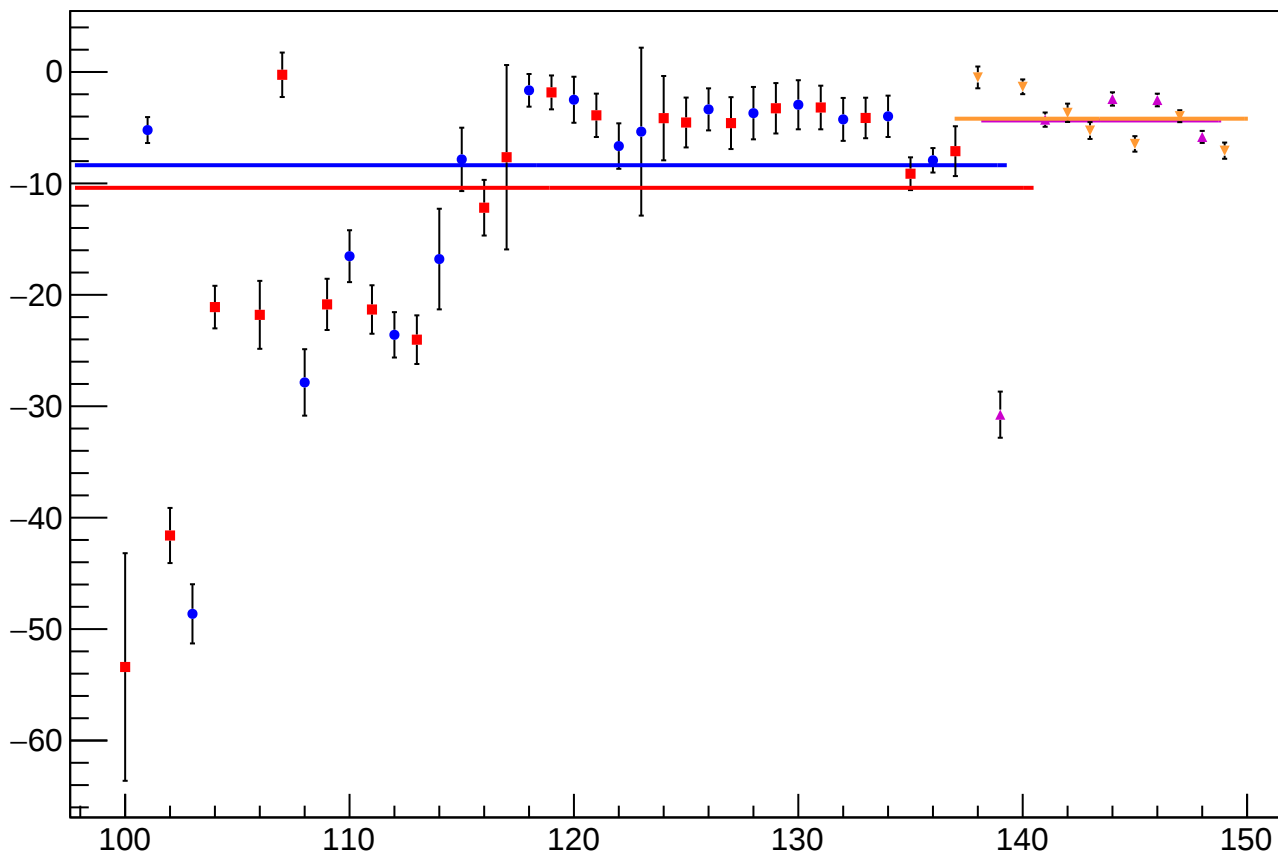
-37.765+/-0.384 χ^2/NDF : 498.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -32.239+/-0.436 χ^2/NDF : 153.5/4

-32.239+/-0.436 χ^2/NDF : 153.5/4

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: -4.192 ± 0.267 χ^2/NDF : 61.8/6

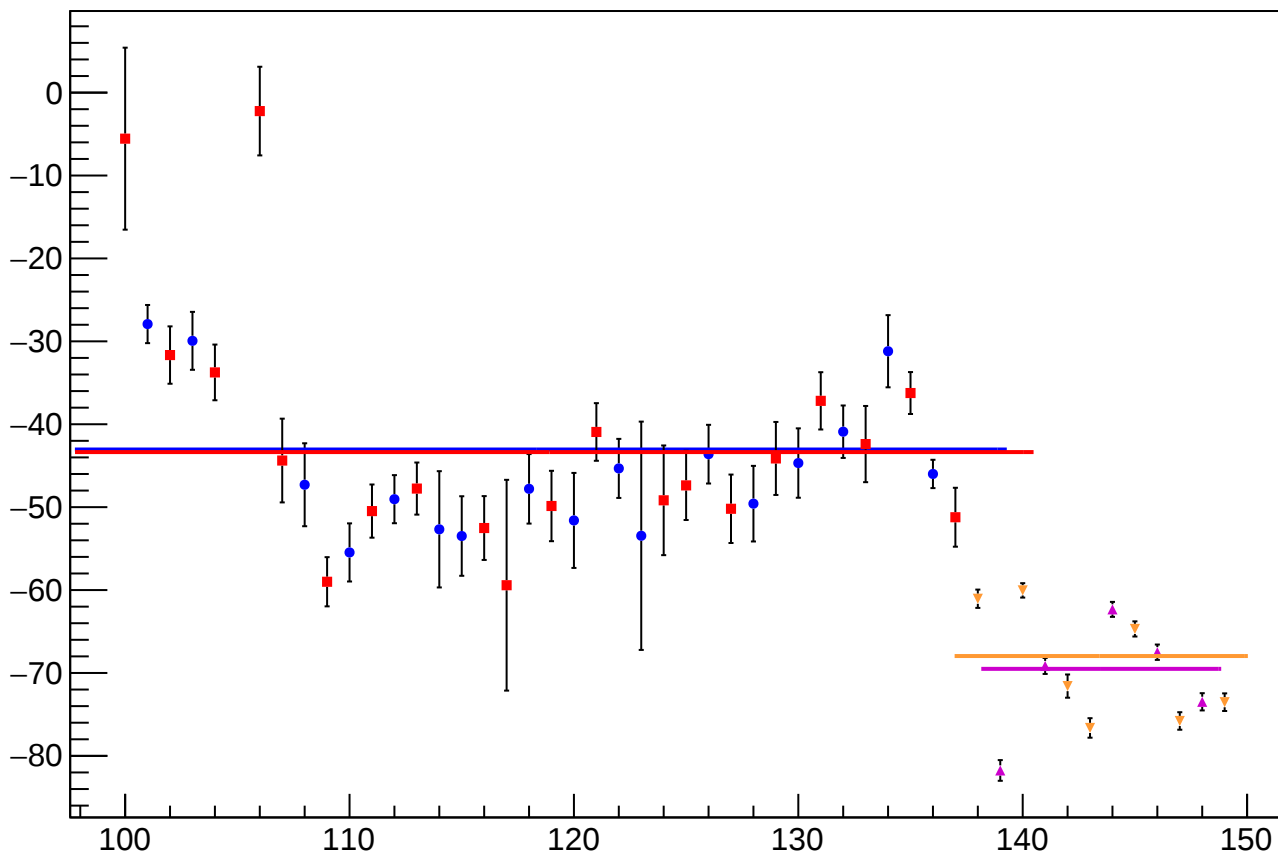
Right Out: -10.396 ± 0.490 χ^2/NDF : 430.4/19

Left In: -4.349 ± 0.289 χ^2/NDF : 190.8/4

-5.225 ± 0.232 χ^2/NDF : 531.0/23

-5.909 ± 0.249 χ^2/NDF : 734.2/24

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -67.958 ± 0.397 $\chi^2/\text{NDF}: 278.3/6$

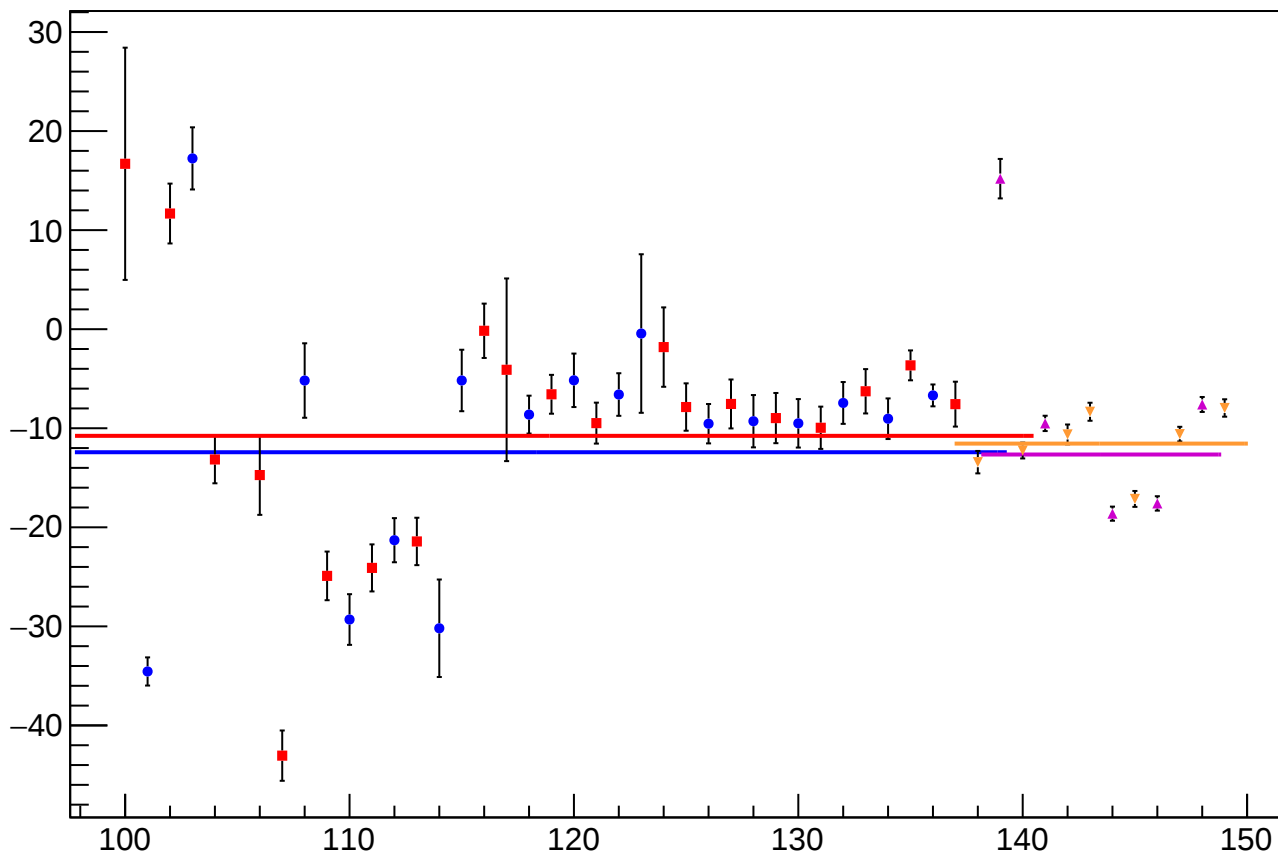
Right Out: -43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

Left In: -69.504 ± 0.445 $\chi^2/\text{NDF}: 178.8/4$

-63.389 ± 0.359 $\chi^2/\text{NDF}: 1100.2/23$

-64.025 ± 0.396 $\chi^2/\text{NDF}: 1056.8/24$

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: -11.550 $\pm$ 0.329 χ^2/NDF : 83.7/6

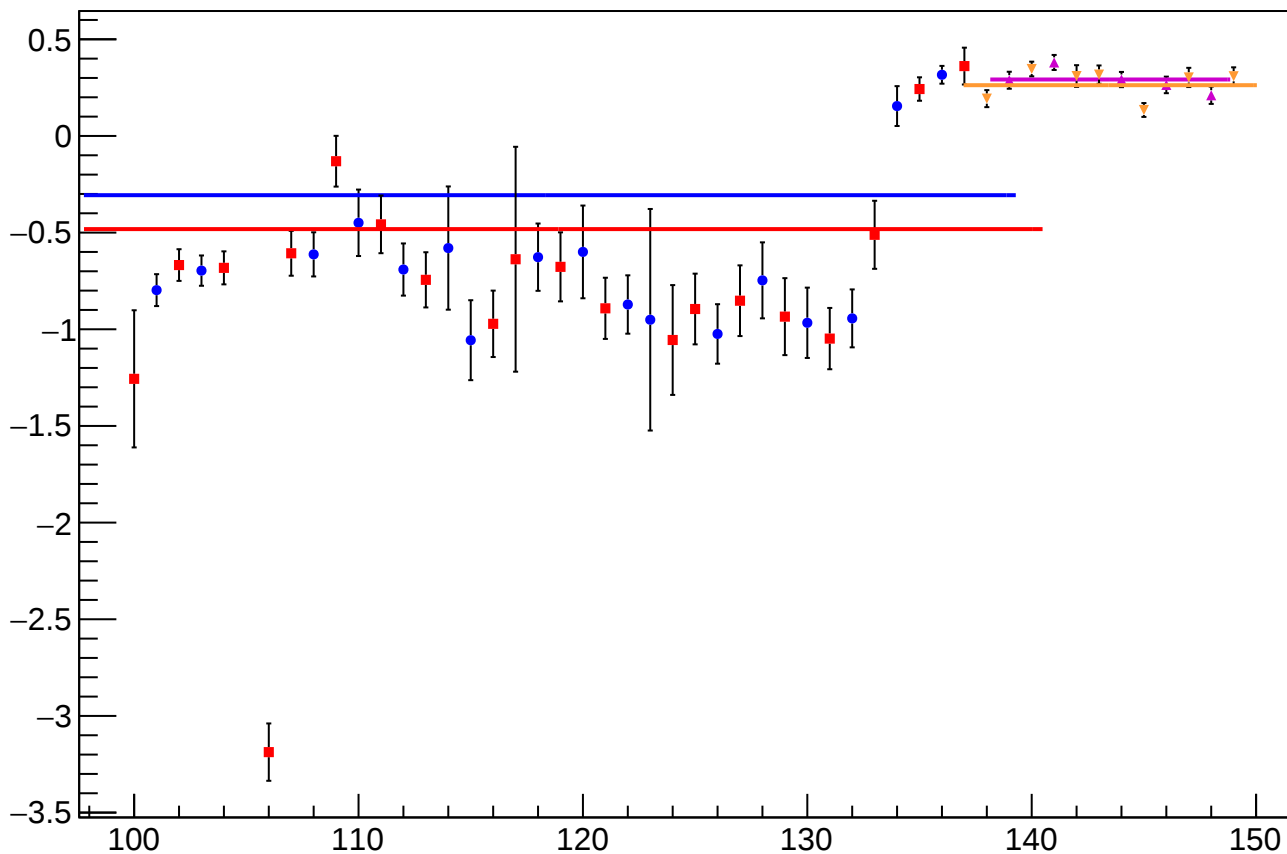
Right Out: -10.766 $\pm$ 0.553 χ^2/NDF : 366.3/19

Left In: -12.651 $\pm$ 0.364 χ^2/NDF : 372.8/4

-11.797 $\pm$ 0.279 χ^2/NDF : 560.0/23

-12.081 $\pm$ 0.304 χ^2/NDF : 747.2/24

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: 0.263 ± 0.017 χ^2/NDF : 23.8/6

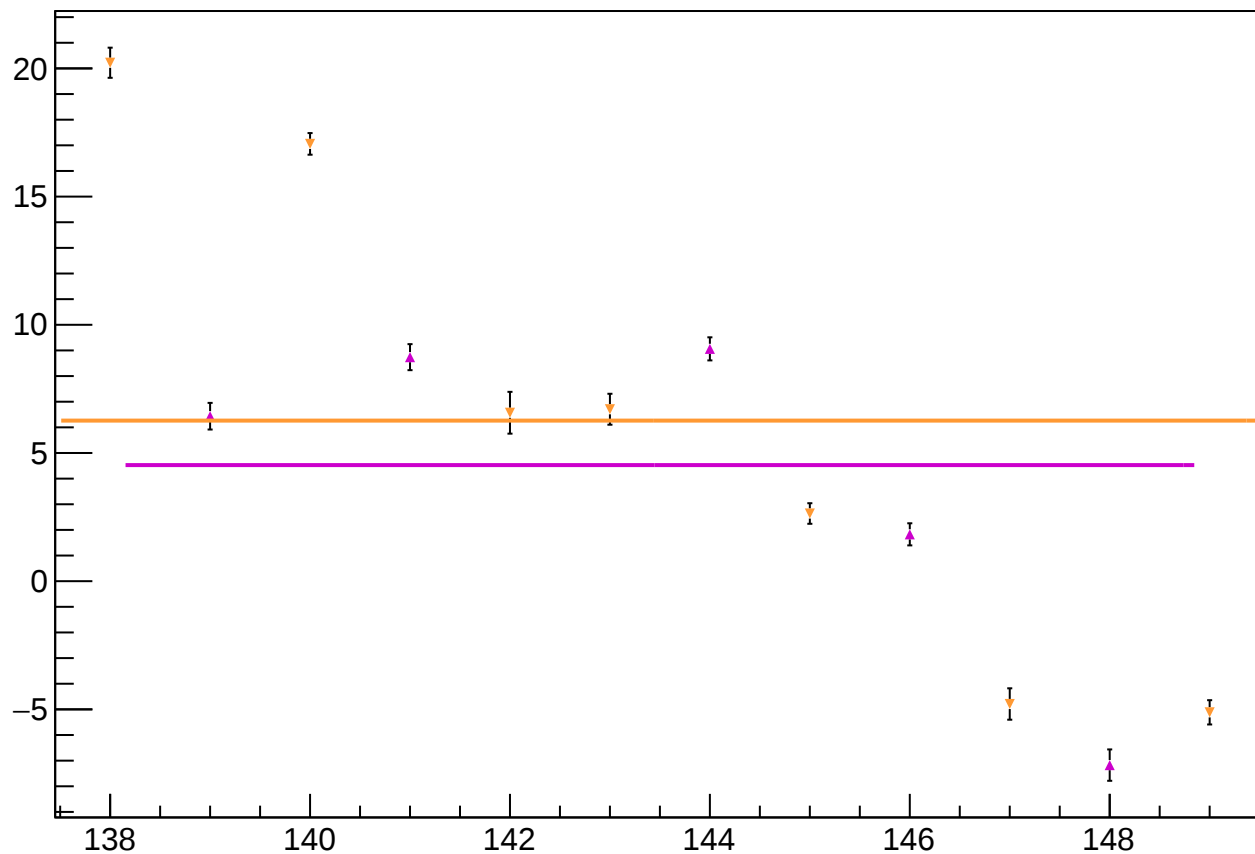
Right Out: -0.482 ± 0.029 χ^2/NDF : 628.3/19

Left In: 0.292 ± 0.019 χ^2/NDF : 8.9/4

0.111 ± 0.014 χ^2/NDF : 708.0/23

0.060 ± 0.016 χ^2/NDF : 1151.6/24

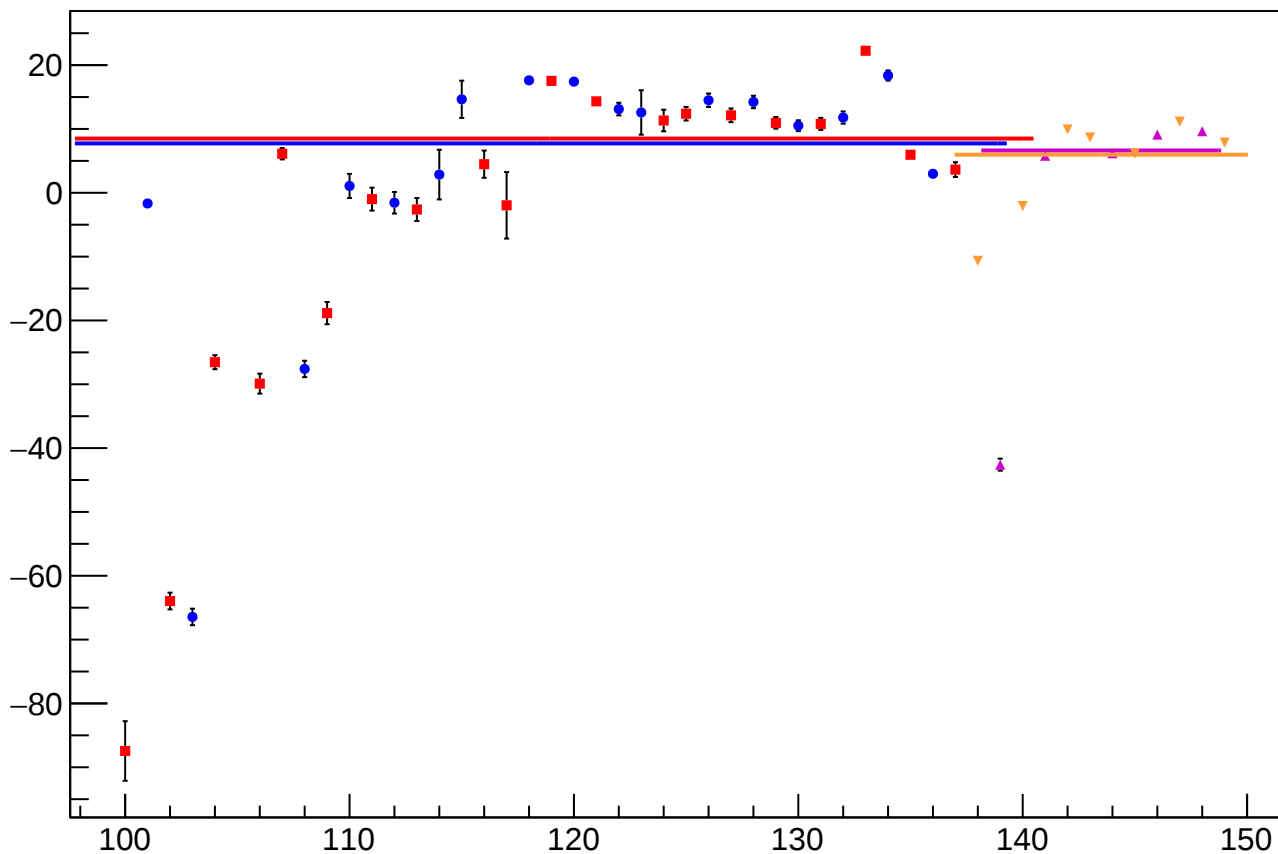
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.263+/-0.196 χ^2/NDF : 2202.7/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.528+/-0.220 χ^2/NDF : 588.5/4

6.263+/-0.196 χ^2/NDF : 2202.7/6
 4.528+/-0.220 χ^2/NDF : 588.5/4

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: 5.969 $\pm$ 0.139 χ^2 /NDF: 1755.0/6

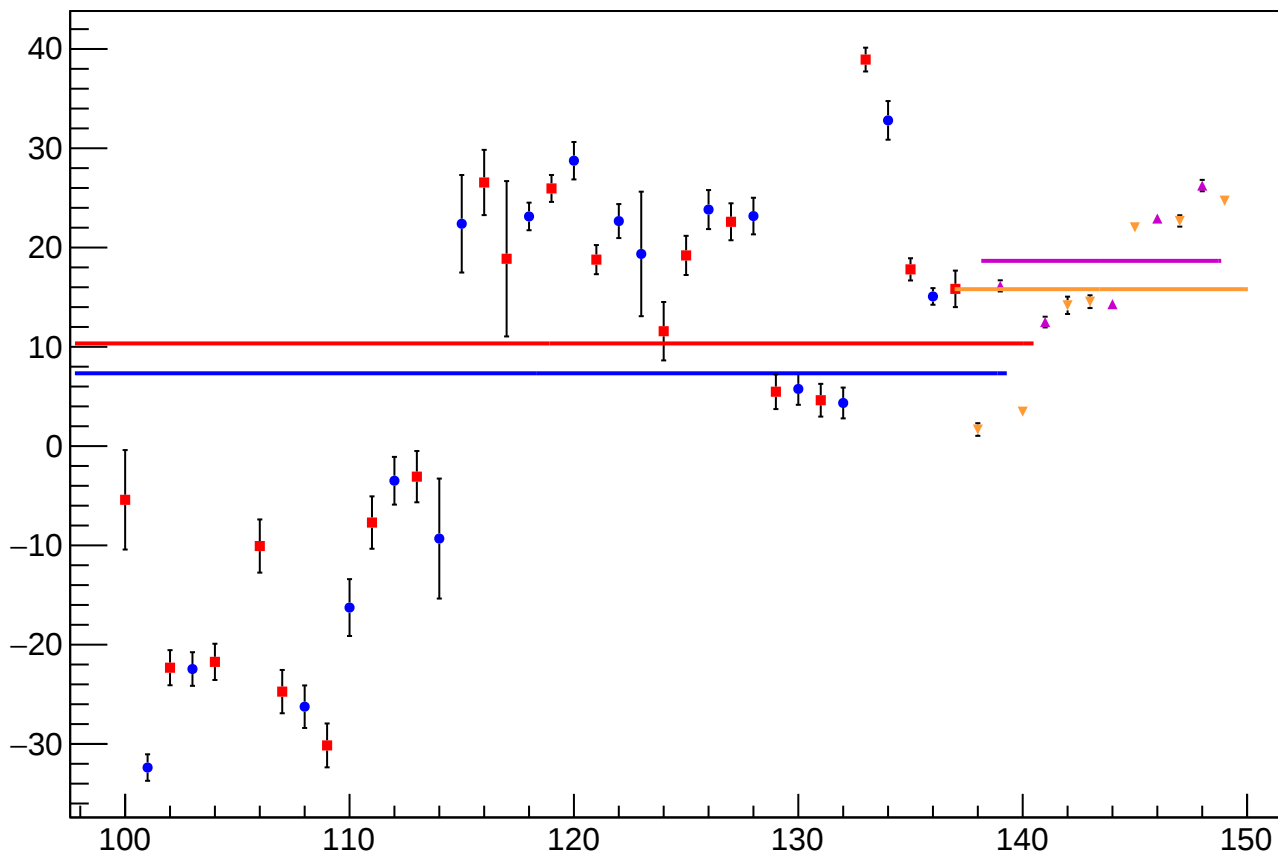
Right Out: 8.496 $\pm$ 0.213 χ^2 /NDF: 6723.5/19

Left In: 6.626 $\pm$ 0.154 χ^2 /NDF: 2901.5/4

6.478 $\pm$ 0.117 χ^2 /NDF: 7102.4/23

7.267 $\pm$ 0.125 χ^2 /NDF: 9675.6/24

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: 15.805+/-0.201 χ^2/NDF : 2016.3/6

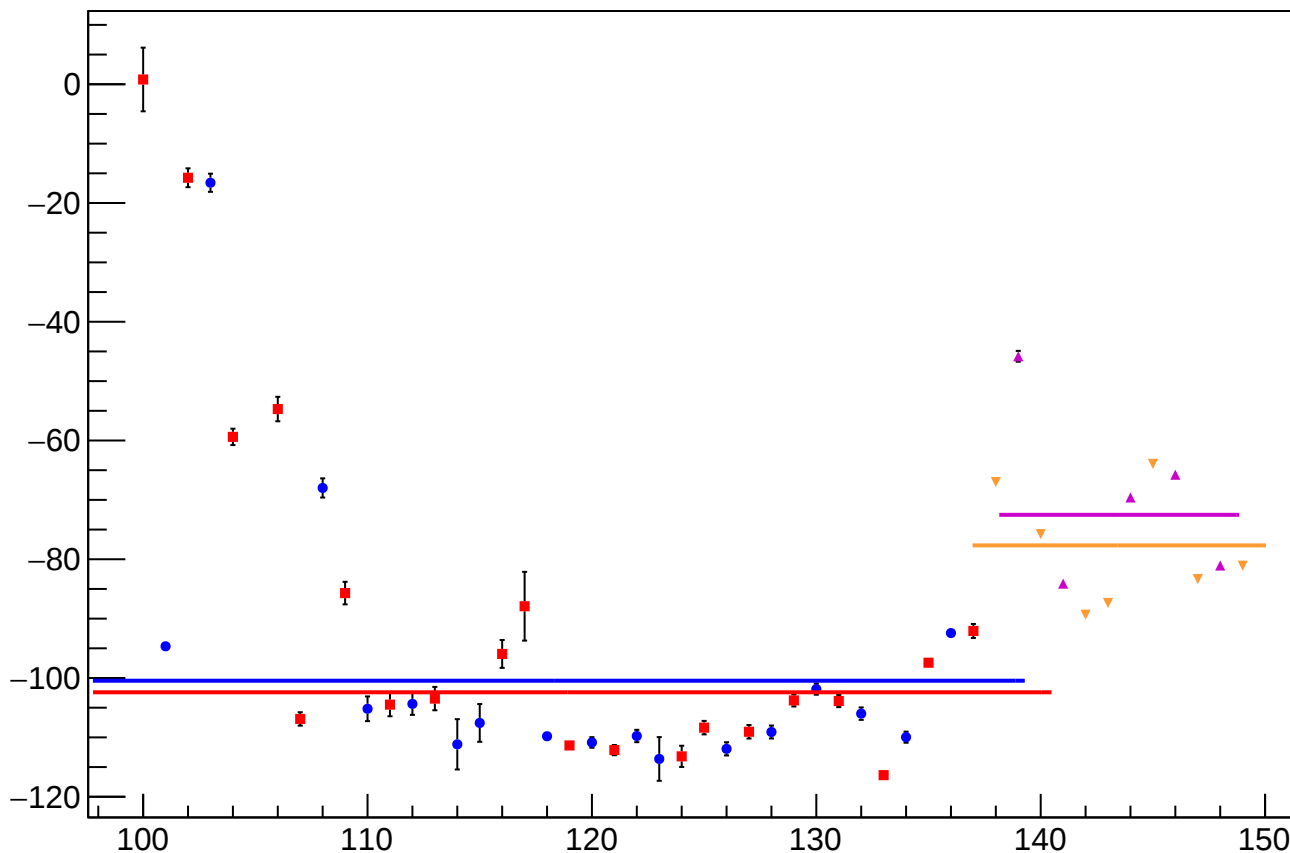
Right Out: 10.342+/-0.416 χ^2/NDF : 2282.7/19

Left In: 18.660+/-0.225 χ^2/NDF : 512.8/4

14.222+/-0.181 χ^2/NDF : 4642.6/23

16.779+/-0.198 χ^2/NDF : 3104.5/24

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: -77.662+/-0.169 χ^2/NDF : 2588.0/6

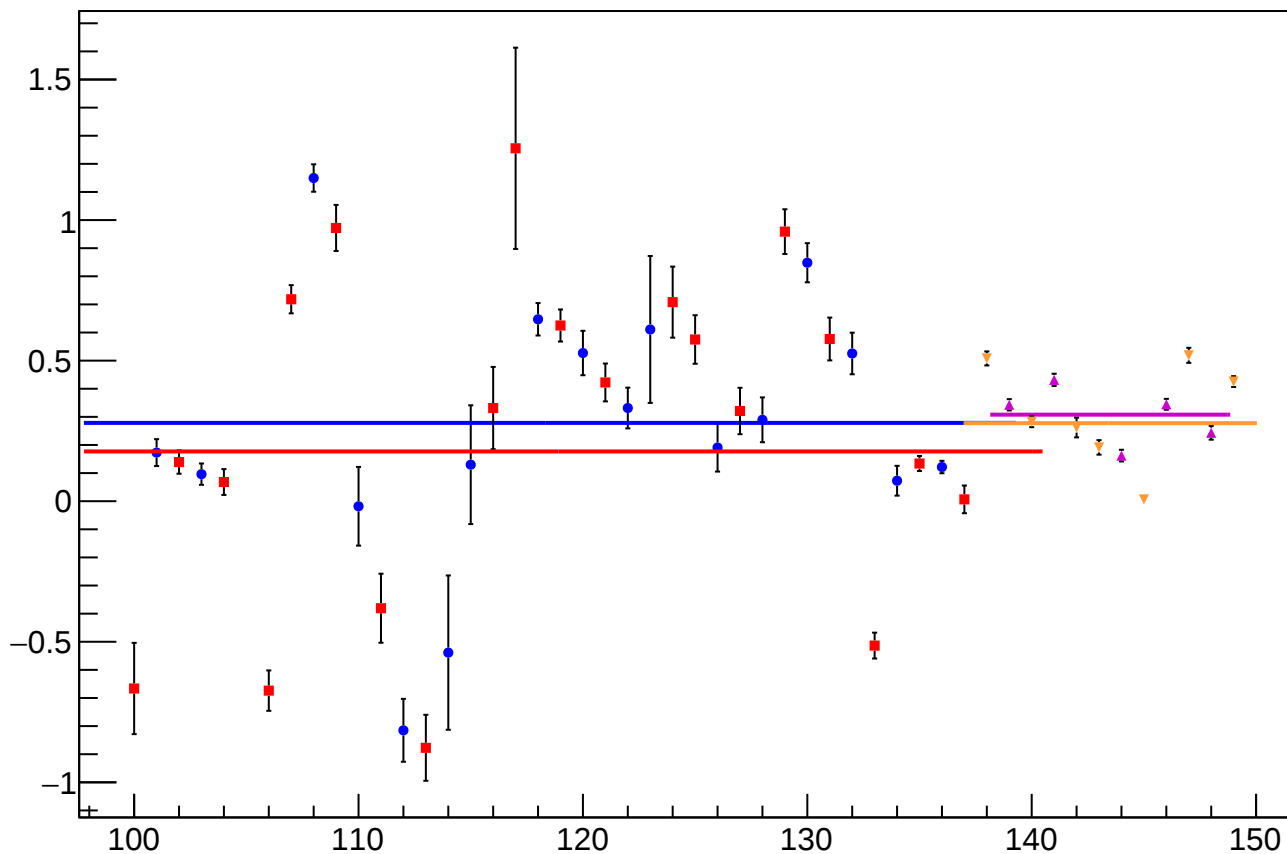
Right Out: -102.405+/-0.246 χ^2/NDF : 6100.6/19

Left In: -72.516+/-0.191 χ^2/NDF : 2428.4/4

-84.804+/-0.140 χ^2/NDF : 12724.0/23

-83.730+/-0.151 χ^2/NDF : 17749.4/24

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.278 ± 0.008 χ^2/NDF : 501.4/6

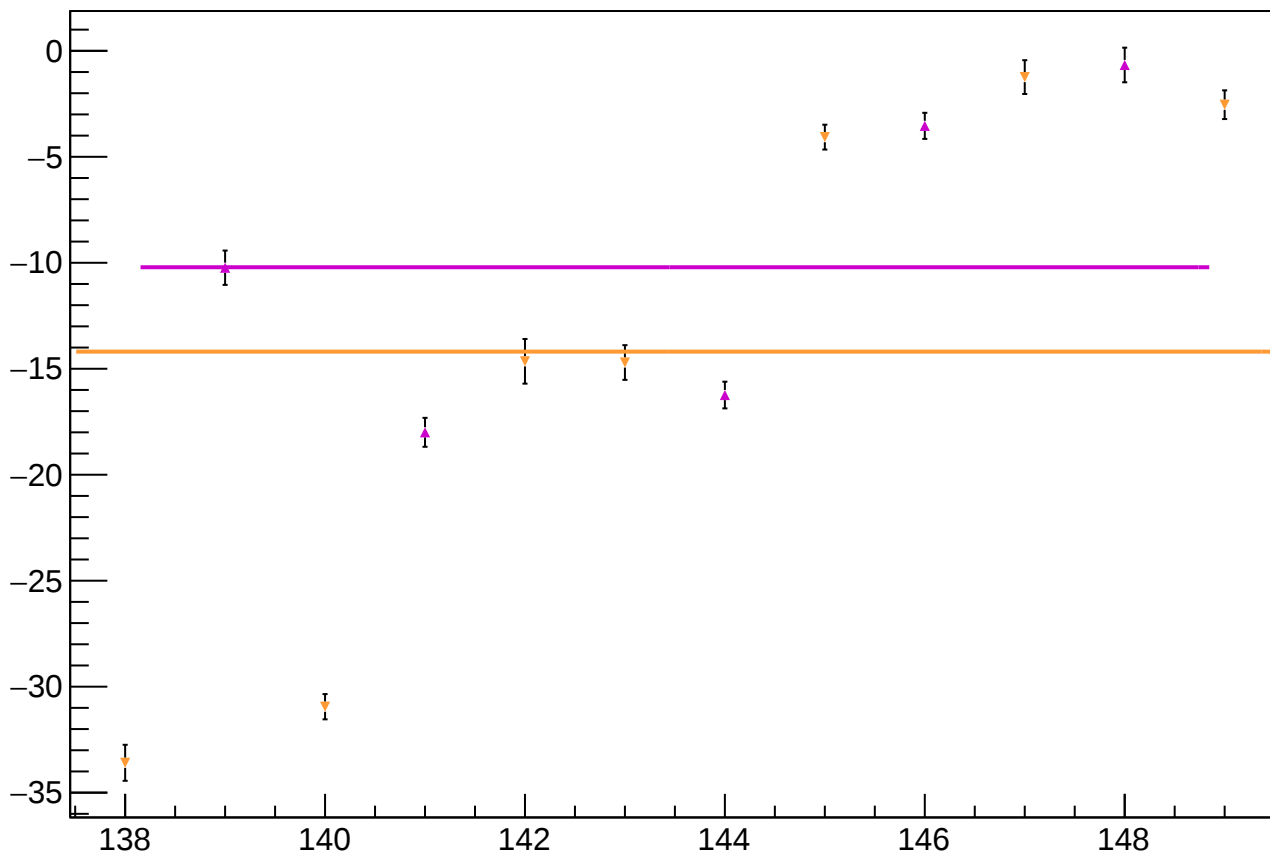
Right Out: 0.177 ± 0.013 χ^2/NDF : 976.8/19

Left In: 0.308 ± 0.009 χ^2/NDF : 95.3/4

0.278 ± 0.007 χ^2/NDF : 1155.3/23

0.265 ± 0.008 χ^2/NDF : 1135.4/24

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -14.192+/-0.275 χ^2/NDF : 2170.3/6

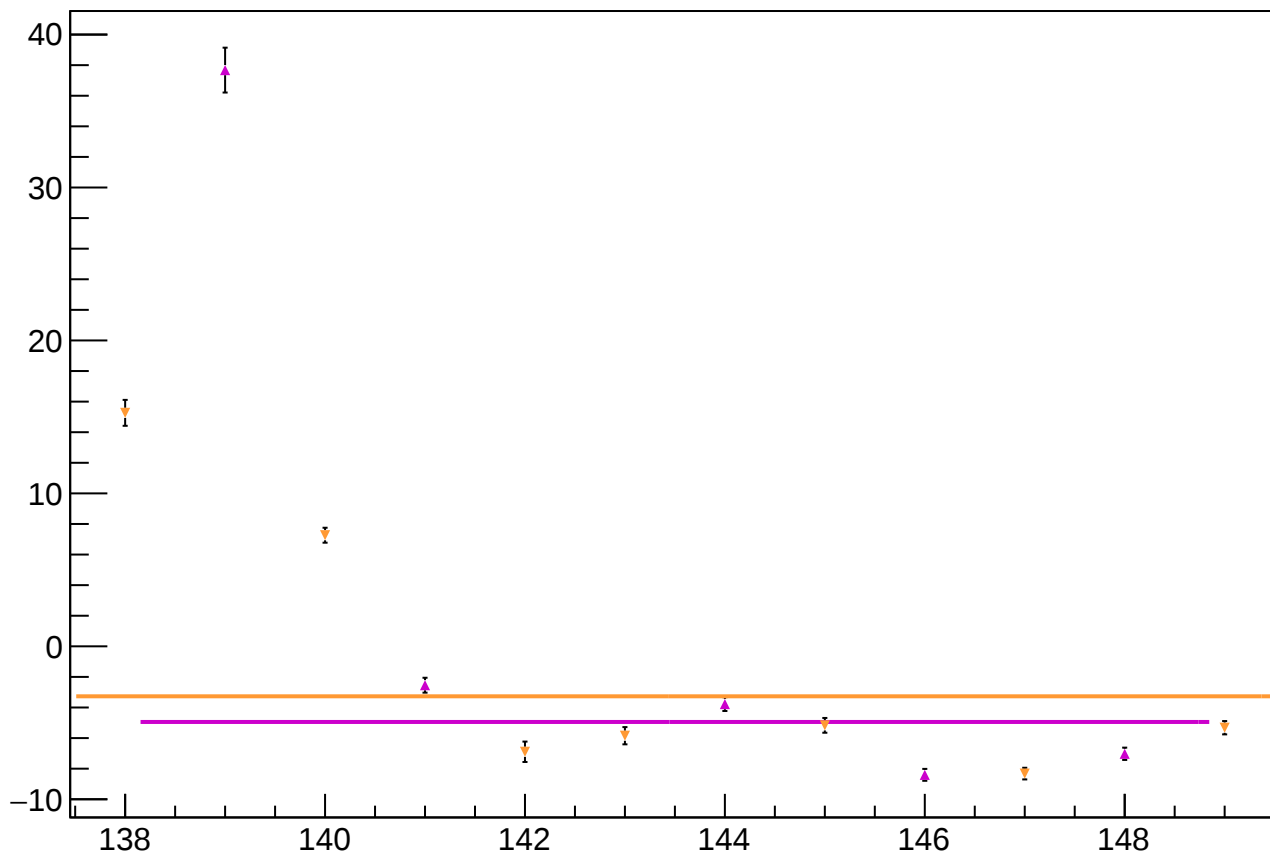
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -10.211+/-0.311 χ^2/NDF : 475.6/4

-14.192+/-0.275 χ^2/NDF : 2170.3/6

-10.211+/-0.311 χ^2/NDF : 475.6/4

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -3.269 $\pm$ 0.191 χ^2 /NDF:1206.8/6

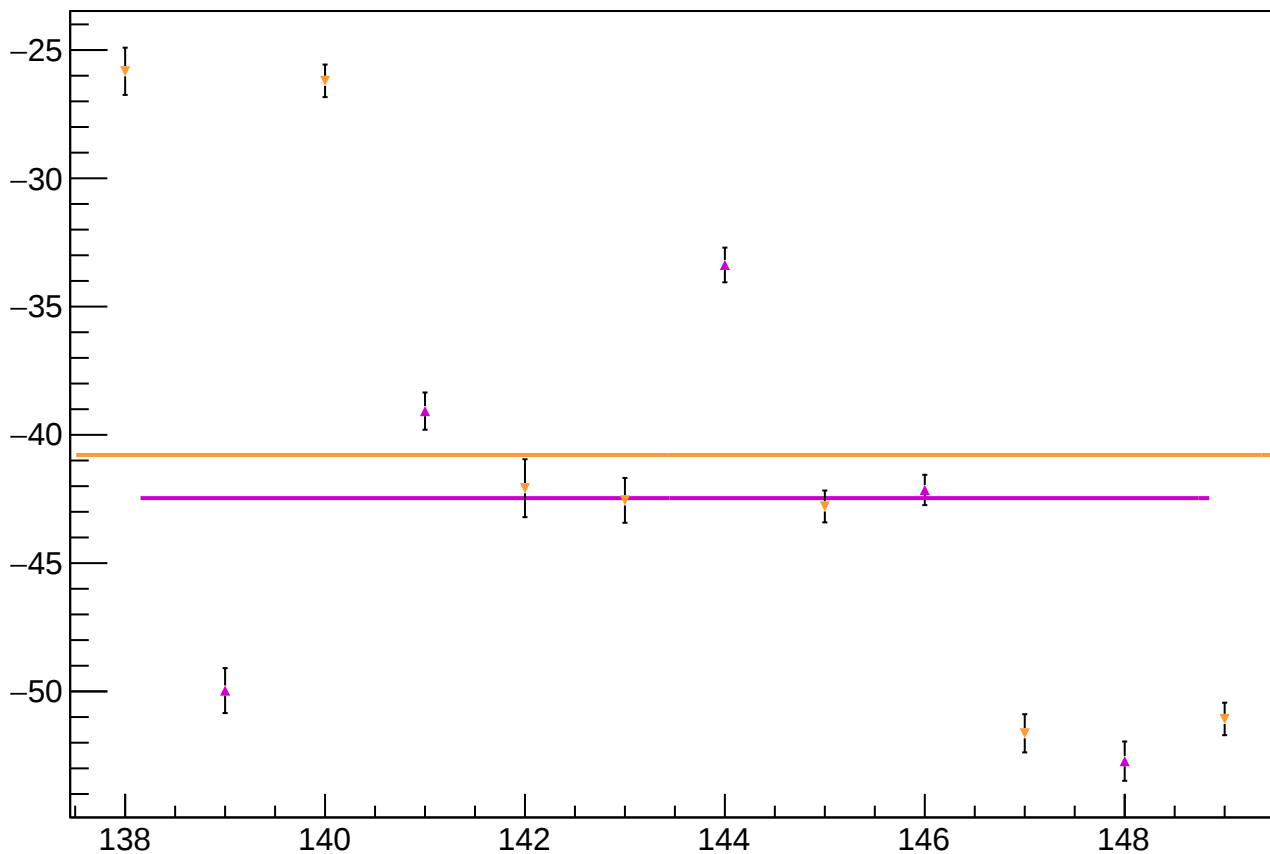
-3.269 $\pm$ 0.191 χ^2 /NDF: 1206.8/6

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

Left In: -4.946 $\pm$ 0.211 χ^2 /NDF:981.3/4

-4.946 $\pm$ 0.211 χ^2 /NDF: 981.3/4

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -40.783+/-0.281 χ^2/NDF :1283.9/6

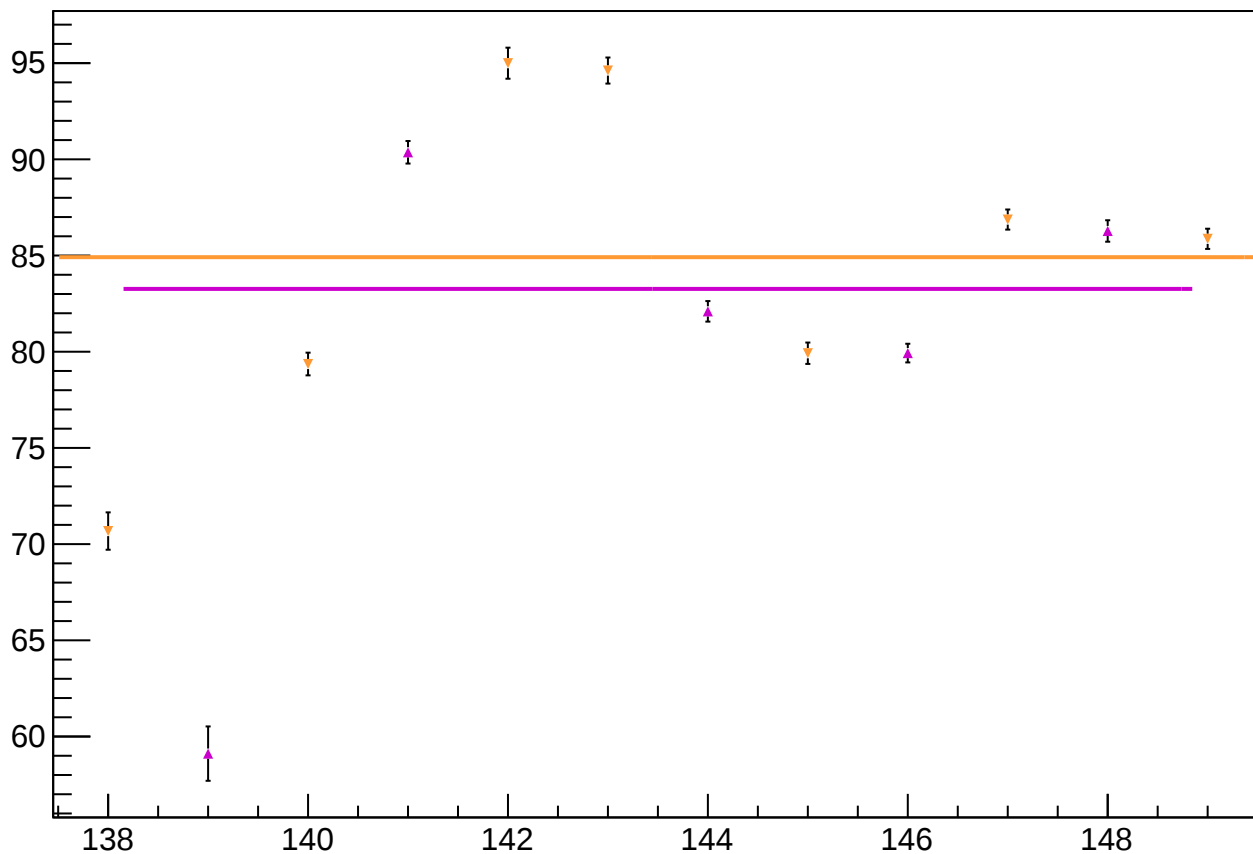
-40.783+/-0.281 χ^2/NDF : 1283.9/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -42.466+/-0.317 χ^2/NDF :455.9/4

-42.466+/-0.317 χ^2/NDF : 455.9/4

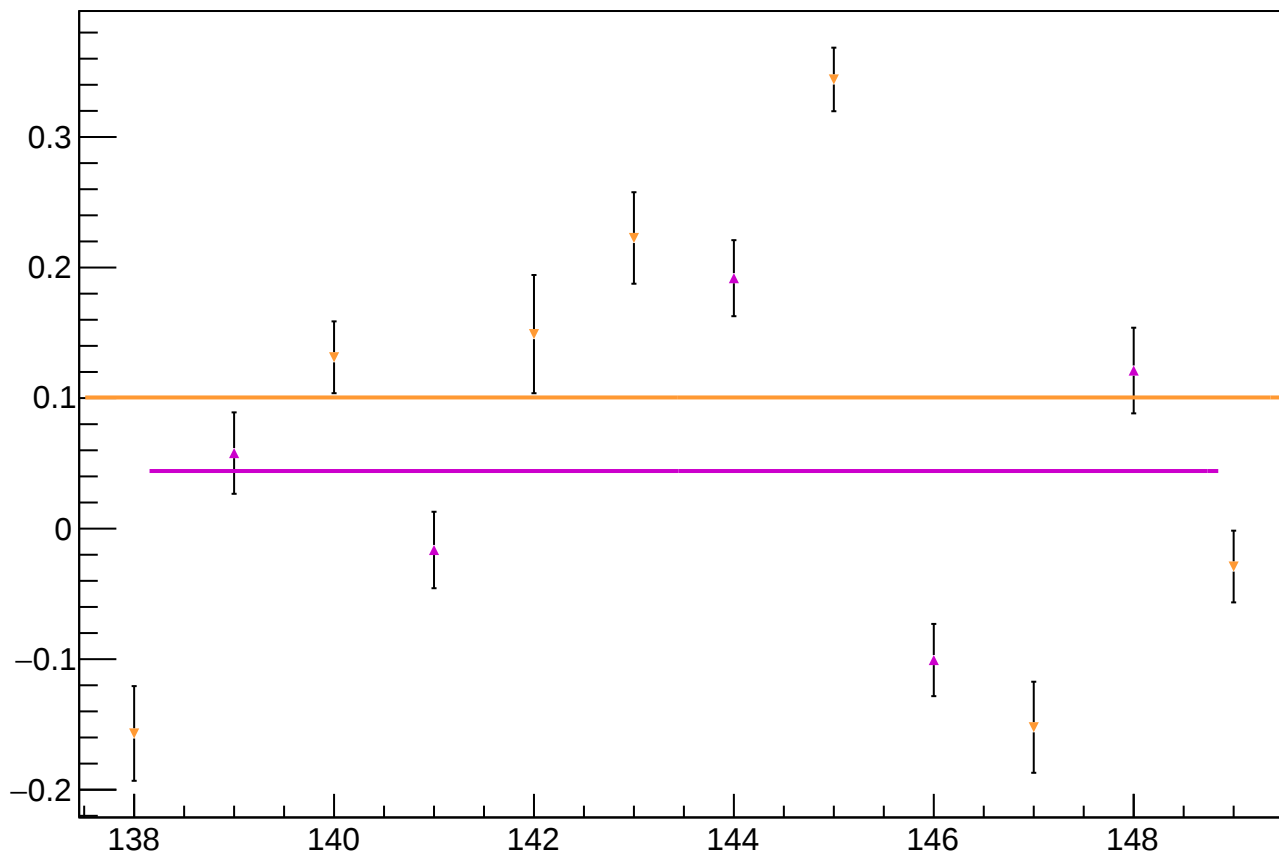
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 84.914+/-0.235 χ^2/NDF : 763.0/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 83.265+/-0.264 χ^2/NDF : 520.6/4

84.914+/-0.235 χ^2/NDF : 763.0/6
 83.265+/-0.264 χ^2/NDF : 520.6/4

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.100+/-0.012 χ^2/NDF : 239.8/6

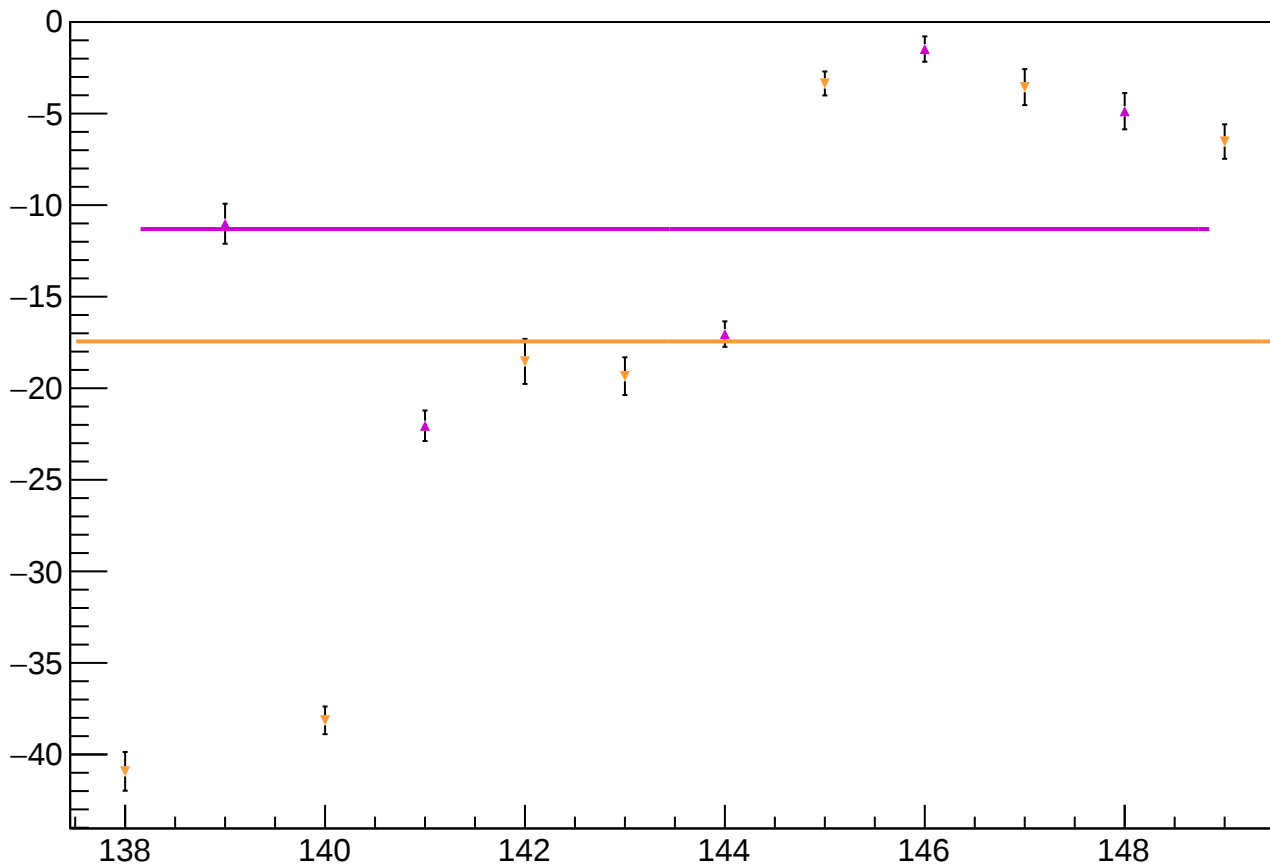
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.044+/-0.013 χ^2/NDF : 63.1/4

0.100+/-0.012 χ^2/NDF : 239.8/6

0.044+/-0.013 χ^2/NDF : 63.1/4

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -17.444+/-0.338 χ^2/NDF : 2040.9/6

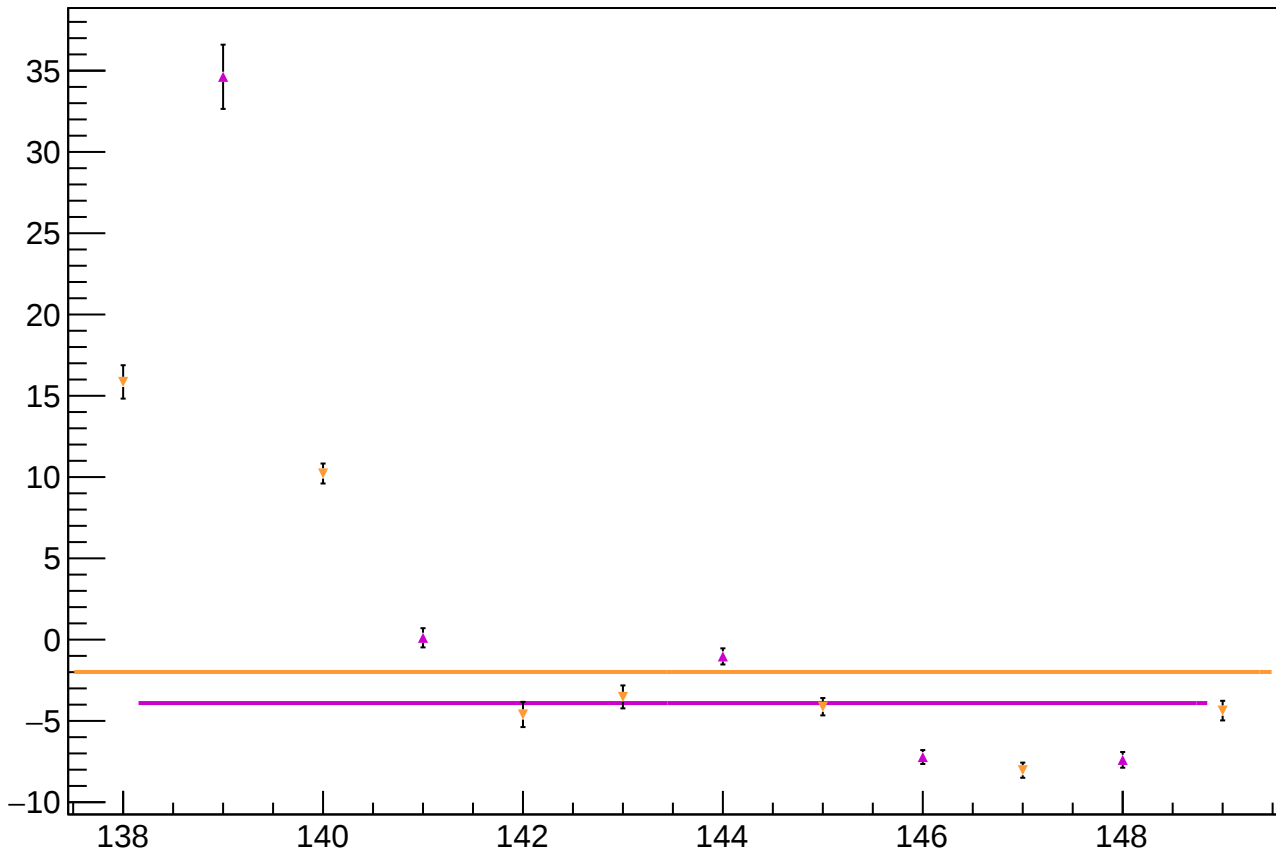
-17.444+/-0.338 χ^2/NDF : 2040.9/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-11.308+/-0.366 χ^2/NDF : 478.3/4

Left In: -11.308+/-0.366 χ^2/NDF : 478.3/4

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1.989+/-0.235 χ^2/NDF : 912.0/6

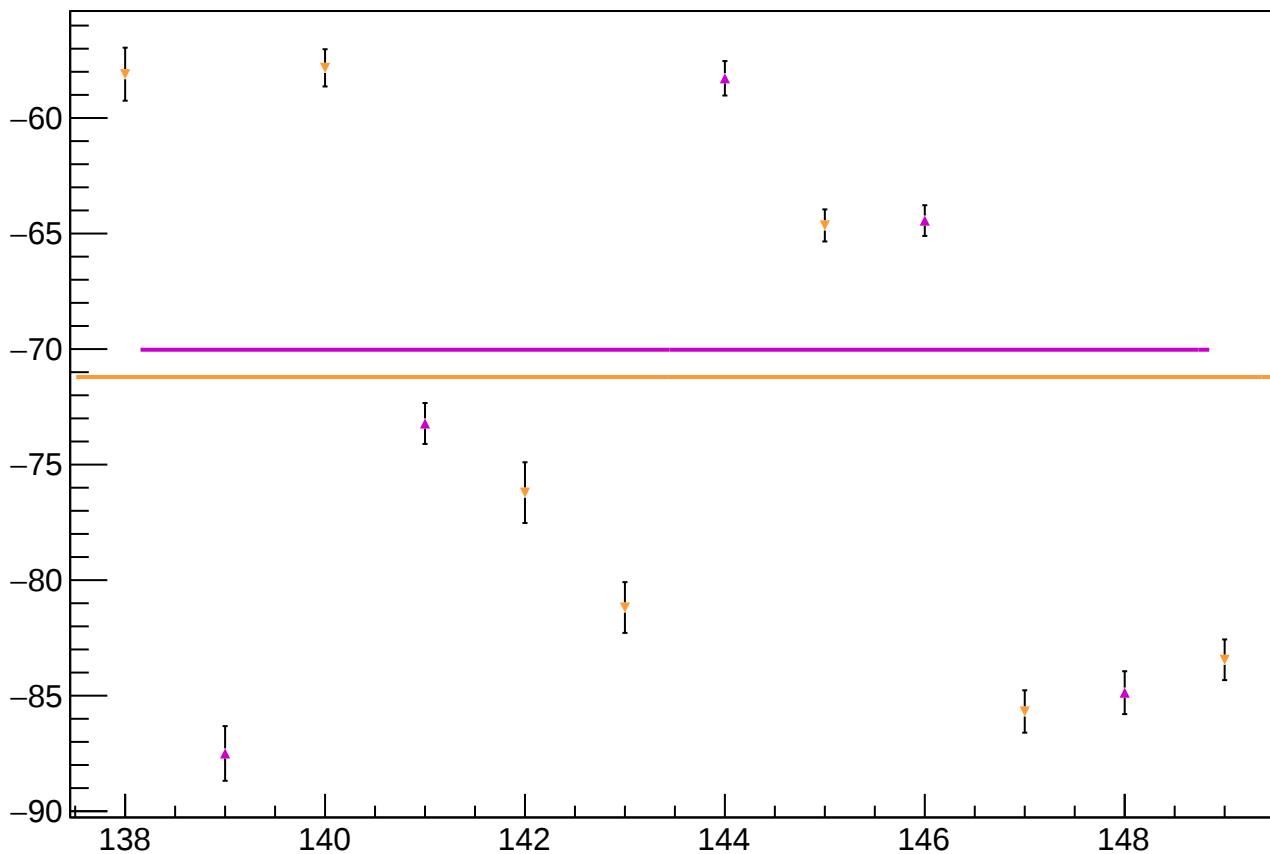
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -3.901+/-0.243 χ^2/NDF : 572.2/4

-1.989+/-0.235 χ^2/NDF : 912.0/6

-3.901+/-0.243 χ^2/NDF : 572.2/4

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -71.208+/-0.348 χ^2/NDF :1034.8/6

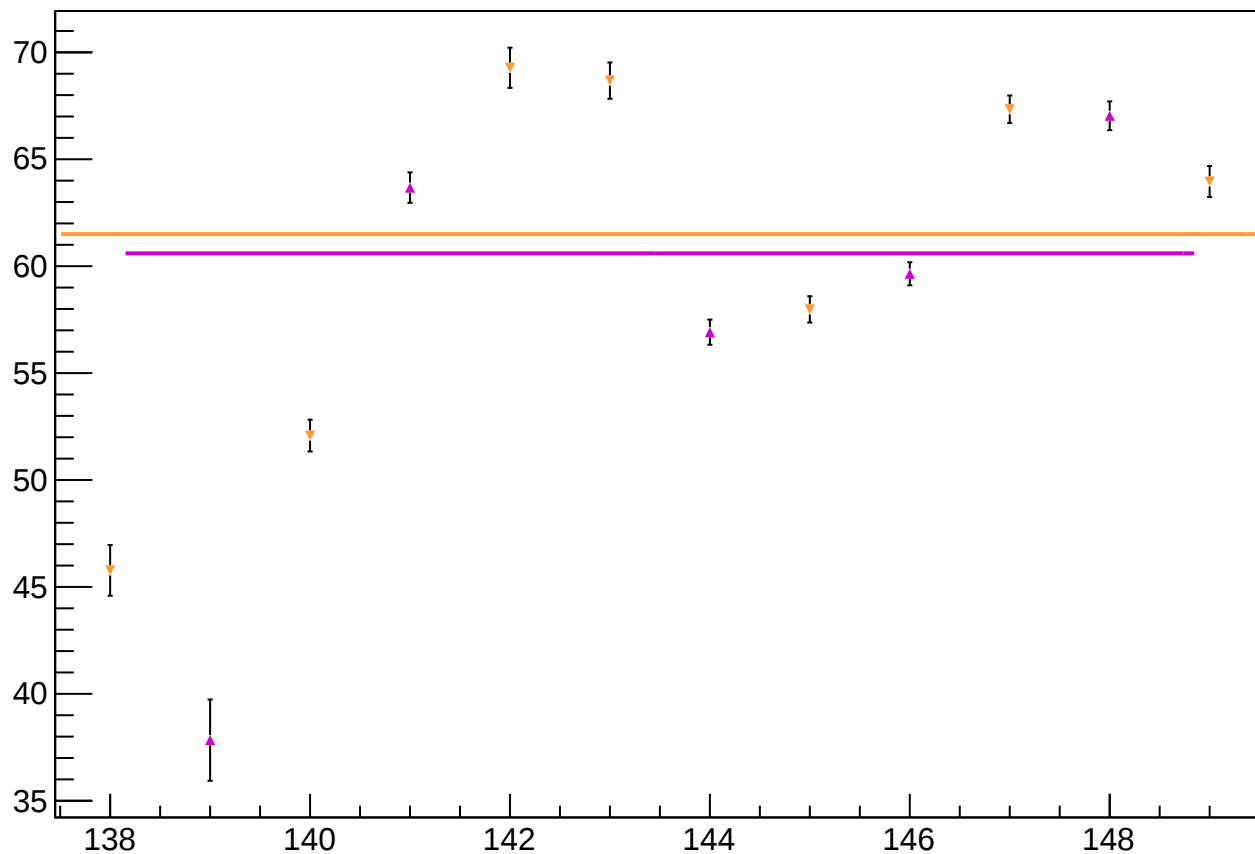
-71.208+/-0.348 χ^2/NDF : 1034.8/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-70.028+/-0.372 χ^2/NDF : 806.4/4

Left In: -70.028+/-0.372 χ^2/NDF :806.4/4

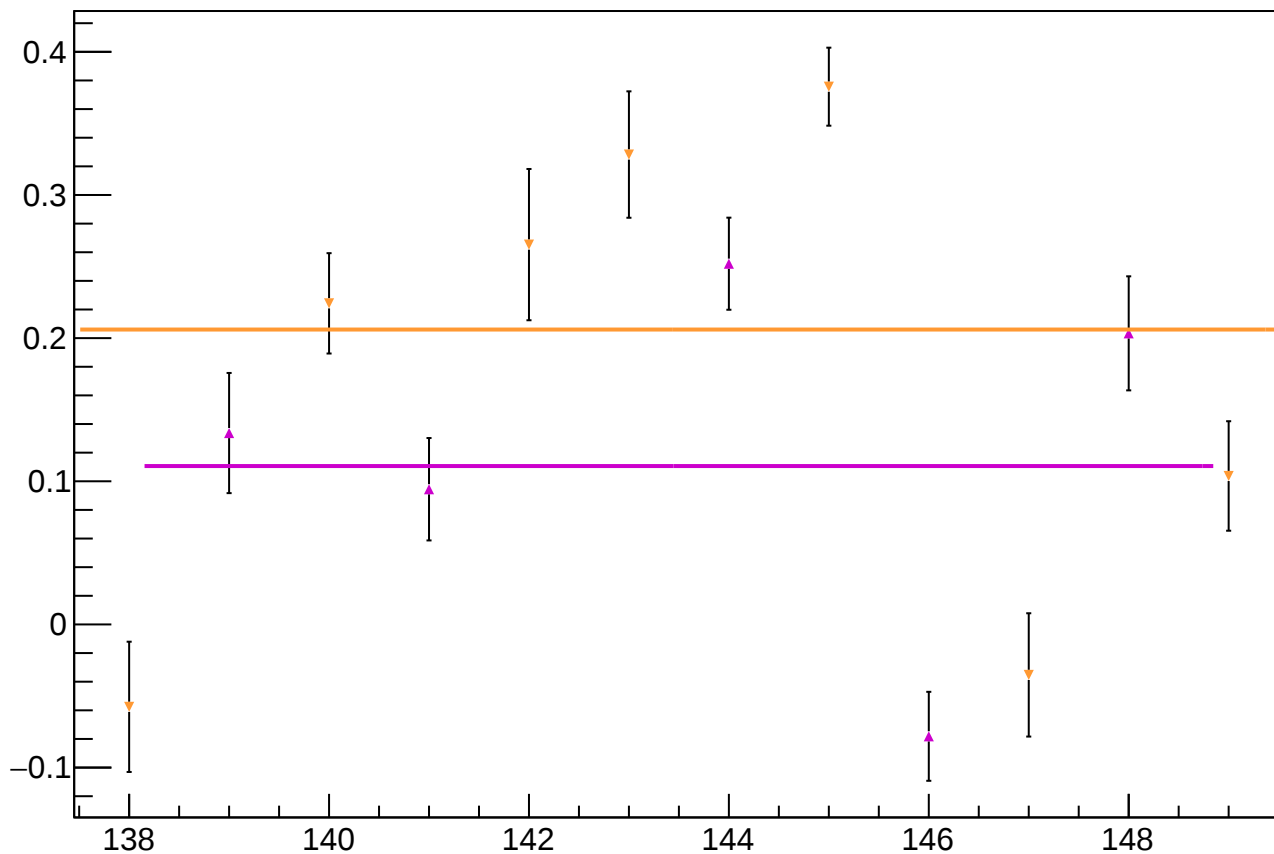
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 61.499+/-0.289 χ^2/NDF : 603.5/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 60.600+/-0.305 χ^2/NDF : 295.4/4

61.499+/-0.289 χ^2/NDF : 603.5/6
 60.600+/-0.305 χ^2/NDF : 295.4/4

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.206+/-0.015 χ^2/NDF :120.0/6

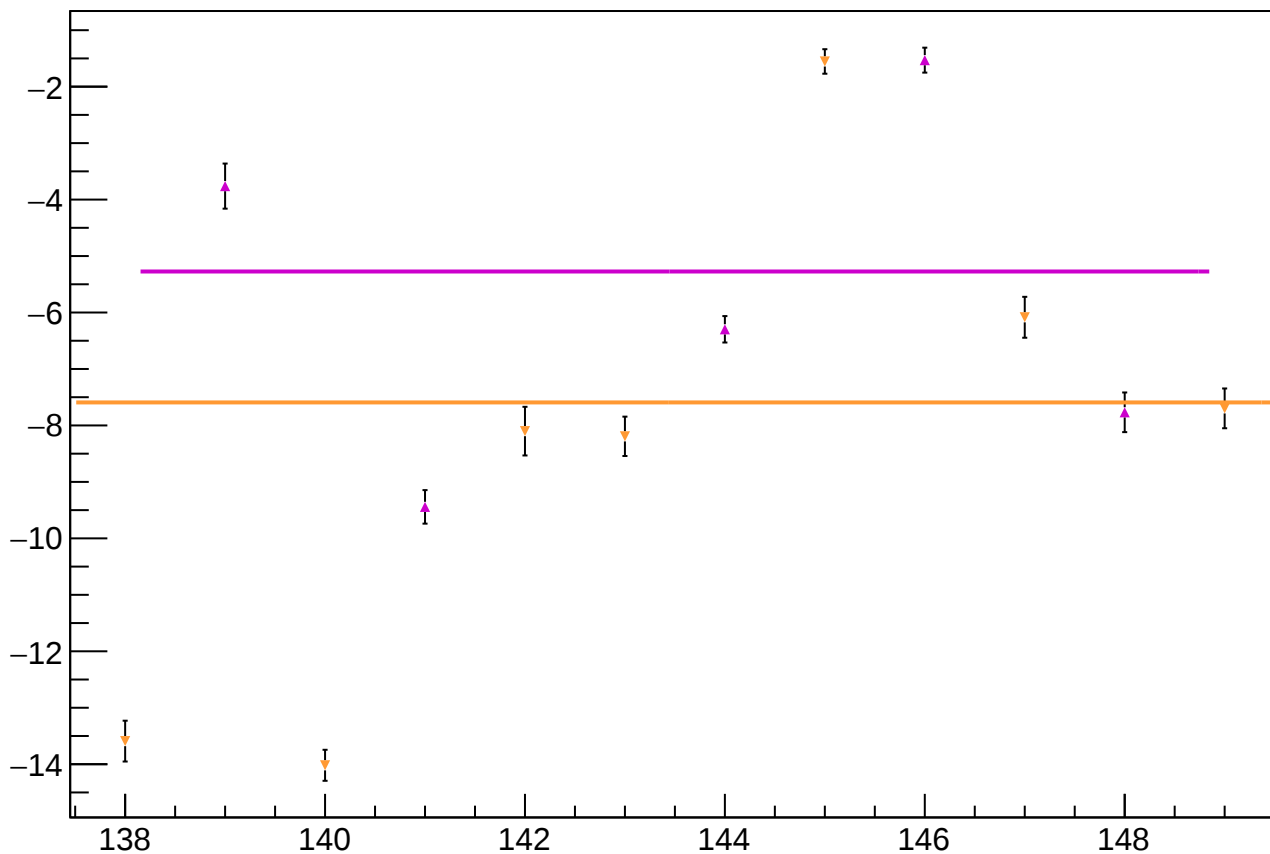
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.111+/-0.016 χ^2/NDF :62.1/4

0.206+/-0.015 χ^2/NDF : 120.0/6

0.111+/-0.016 χ^2/NDF : 62.1/4

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -7.592+/-0.118 χ^2/NDF : 1619.0/6

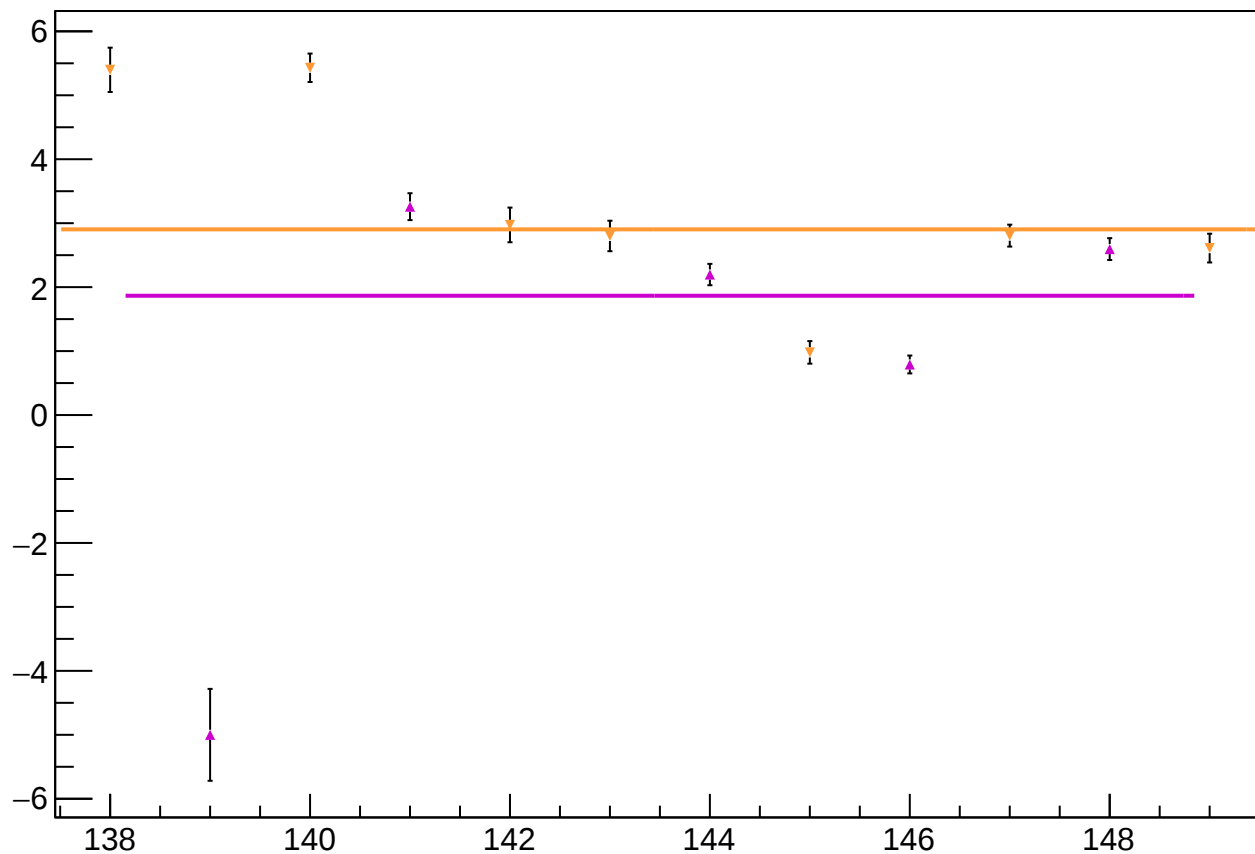
-7.592+/-0.118 χ^2/NDF : 1619.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-5.274+/-0.125 χ^2/NDF : 568.2/4

Left In: -5.274+/-0.125 χ^2/NDF : 568.2/4

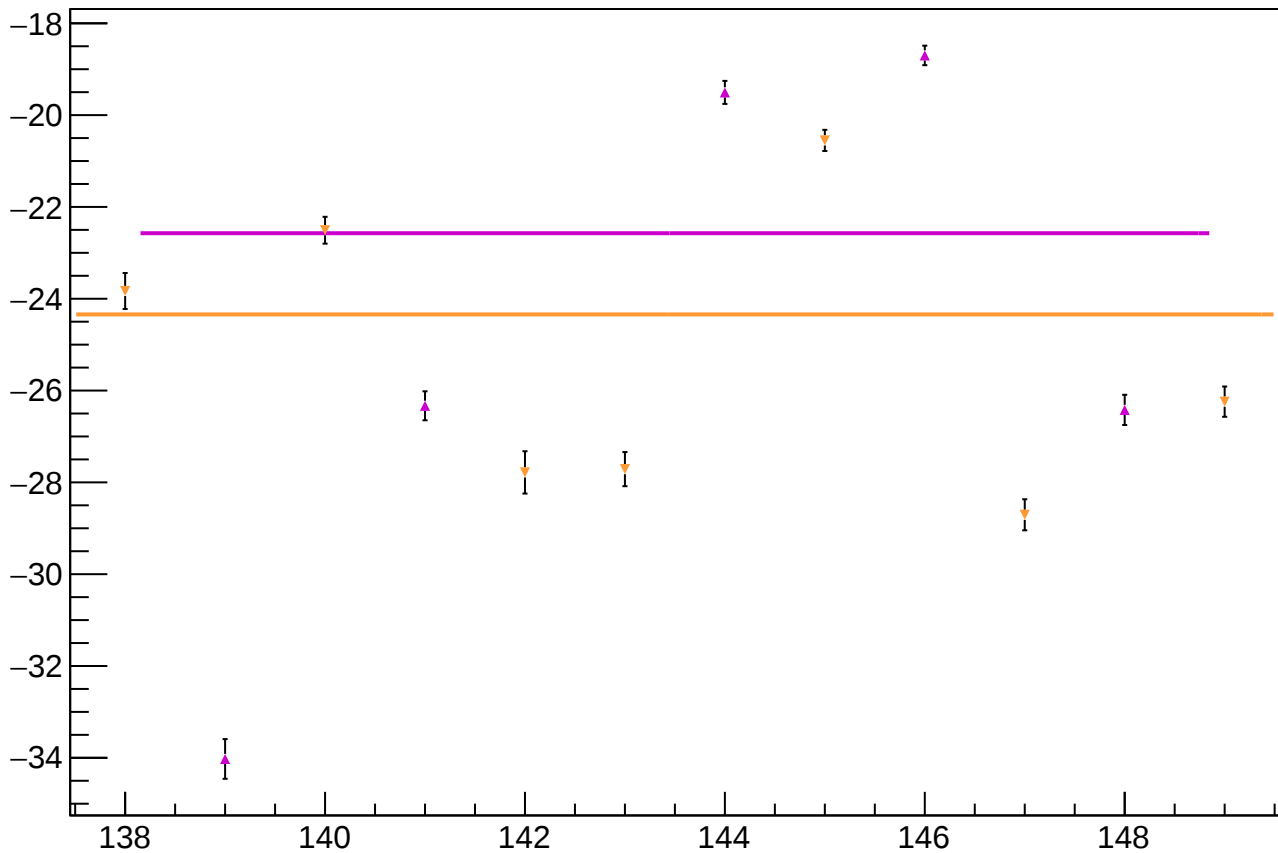
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.904 $\pm$ 0.083 χ^2 /NDF:302.3/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.866 $\pm$ 0.083 χ^2 /NDF:216.7/4

2.904 $\pm$ 0.083 χ^2 /NDF: 302.3/6
 1.866 $\pm$ 0.083 χ^2 /NDF: 216.7/4

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -24.342+/-0.122 χ^2/NDF : 649.4/6

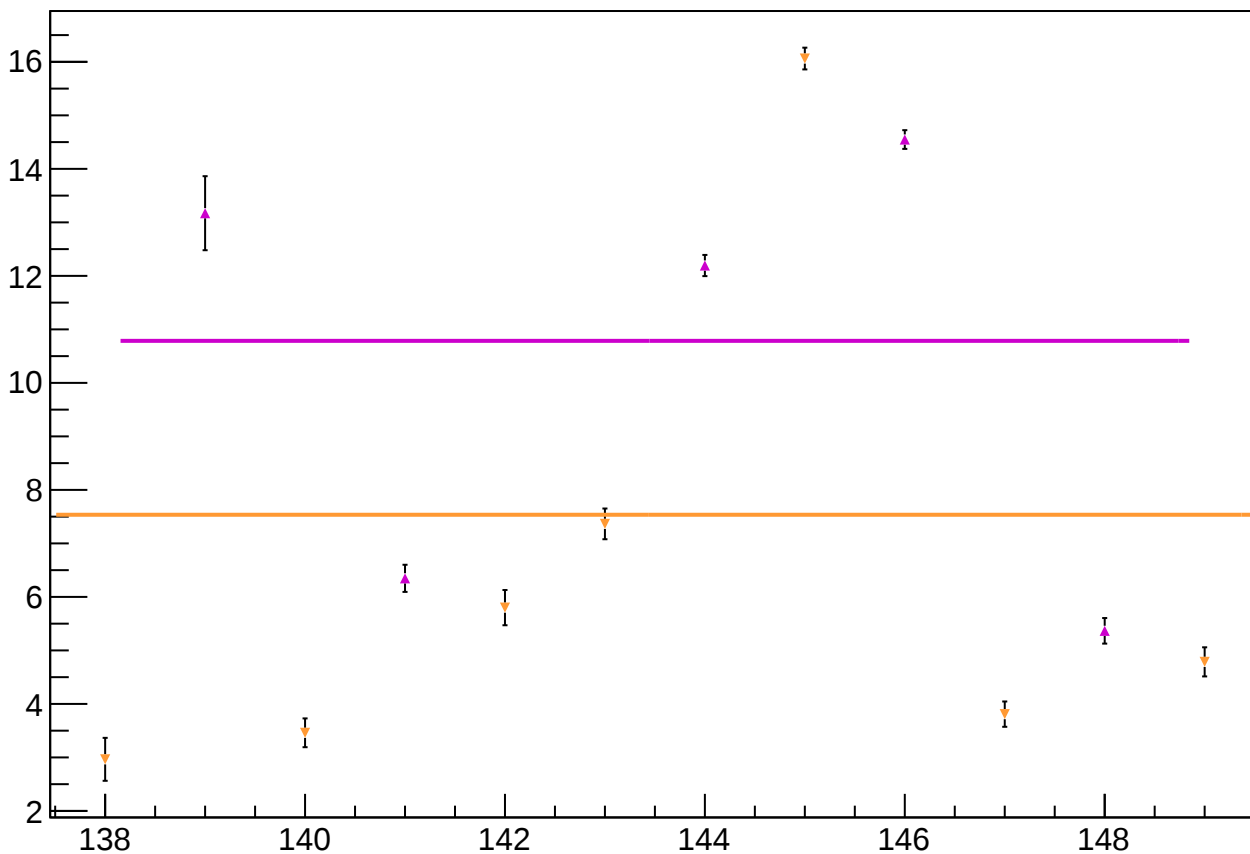
-24.342+/-0.122 χ^2/NDF : 649.4/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-22.573+/-0.126 χ^2/NDF : 1461.7/4

Left In: -22.573+/-0.126 χ^2/NDF : 1461.7/4

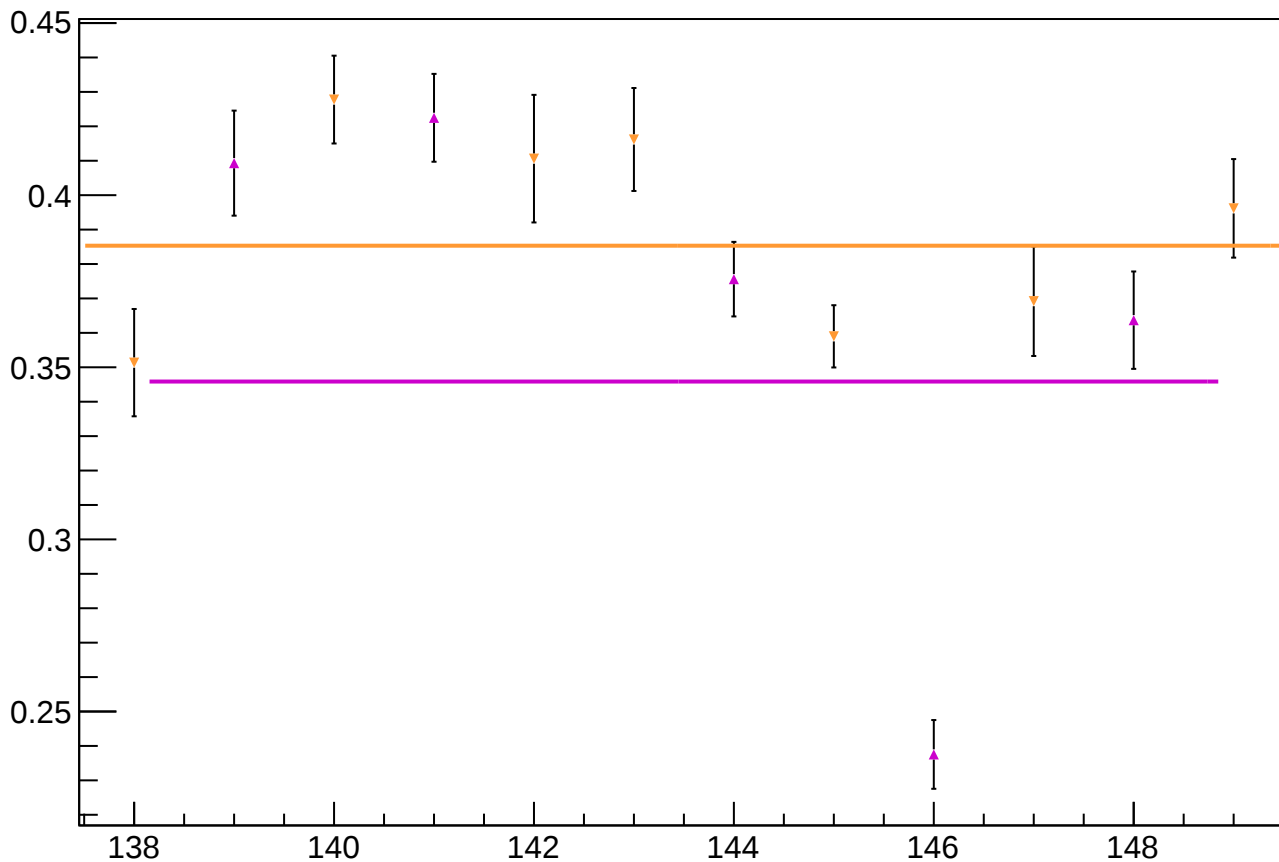
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.535 $\pm$ 0.102 χ^2 /NDF:2498.0/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 10.786 $\pm$ 0.103 χ^2 /NDF:1345.9/4

7.535 $\pm$ 0.102 χ^2 /NDF: 2498.0/6
 10.786 $\pm$ 0.103 χ^2 /NDF: 1345.9/4

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.385 $\pm$ 0.005 χ^2 /NDF:32.0/6

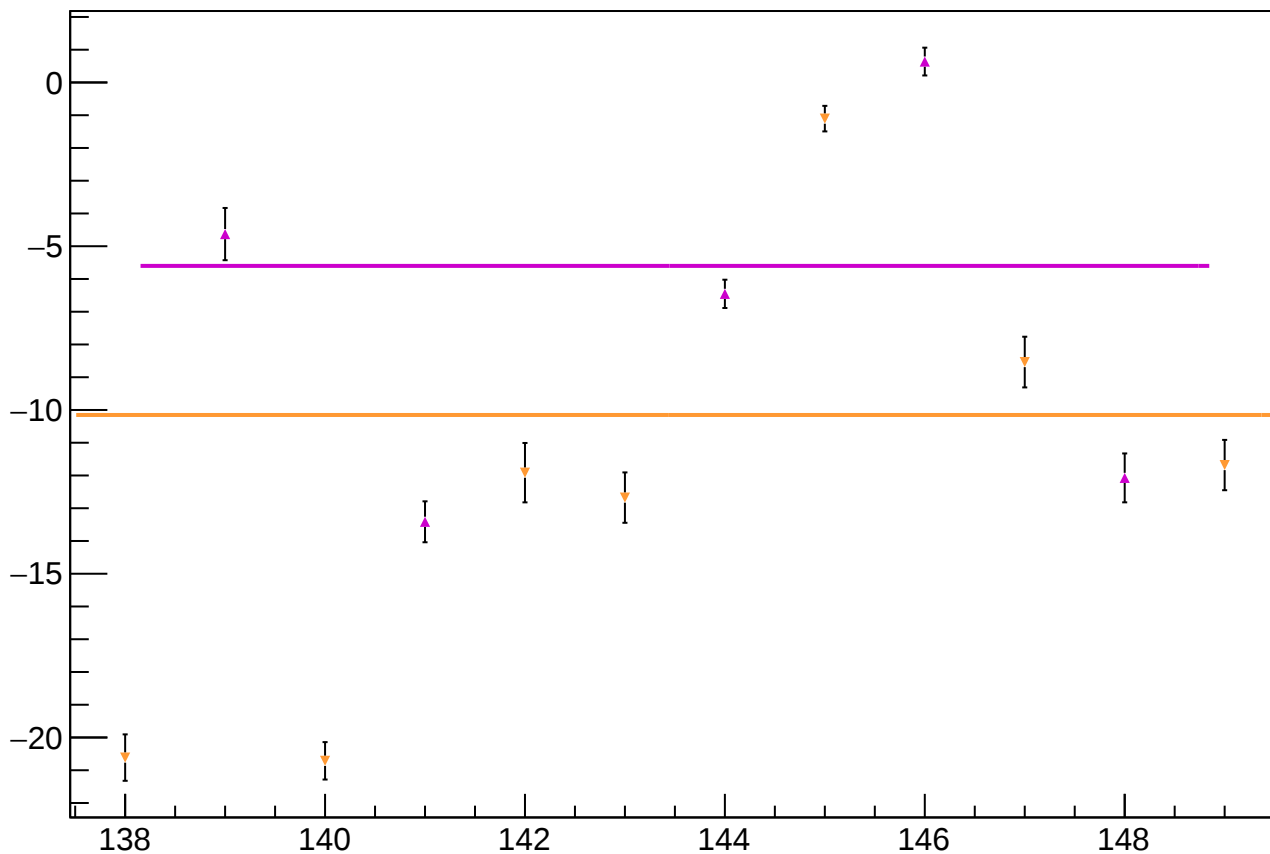
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.346 $\pm$ 0.005 χ^2 /NDF:180.1/4

0.385 $\pm$ 0.005 χ^2 /NDF: 32.0/6

0.346 $\pm$ 0.005 χ^2 /NDF: 180.1/4

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -10.152+/-0.236 χ^2/NDF : 1120.4/6

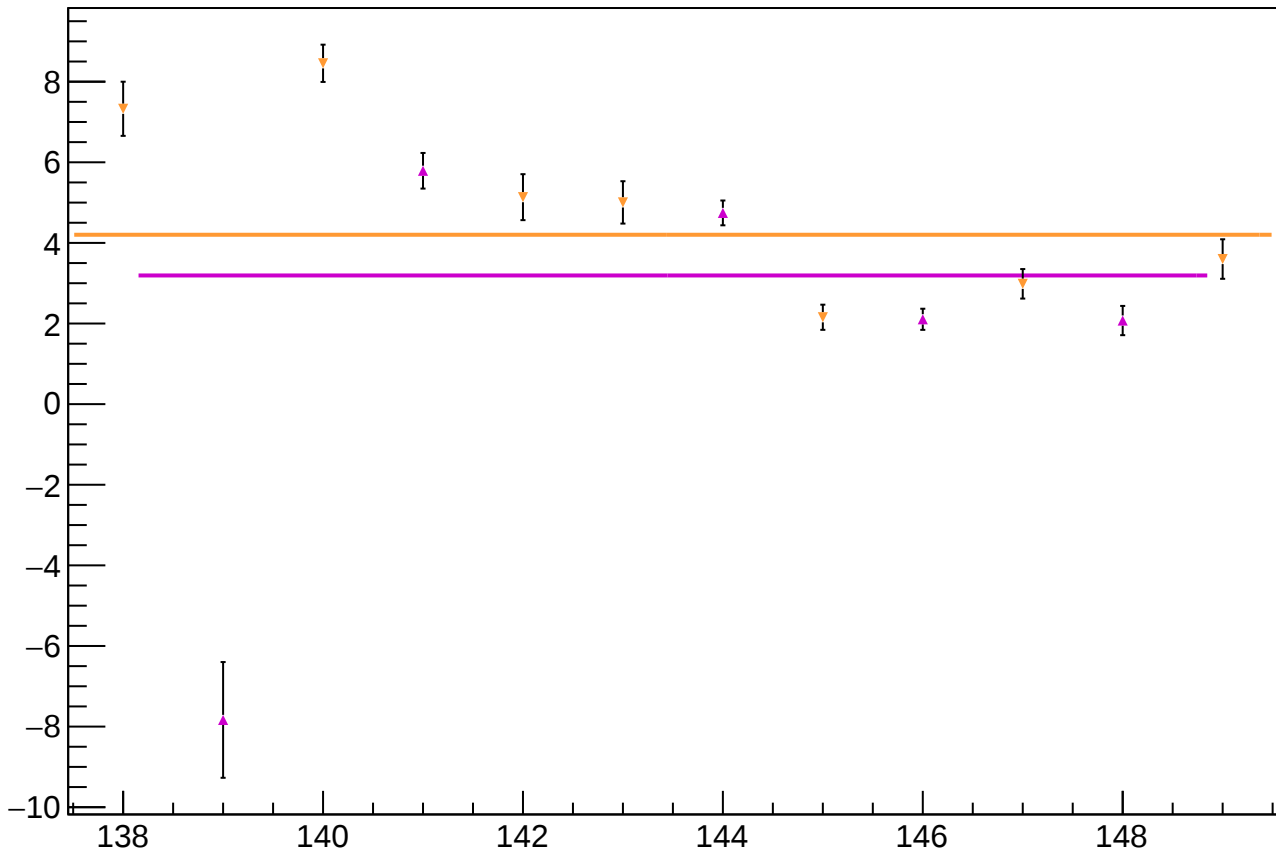
-10.152+/-0.236 χ^2/NDF : 1120.4/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.601+/-0.244 χ^2/NDF : 453.1/4

-5.601+/-0.244 χ^2/NDF : 453.1/4

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 4.202+/-0.168 χ^2/NDF :166.9/6

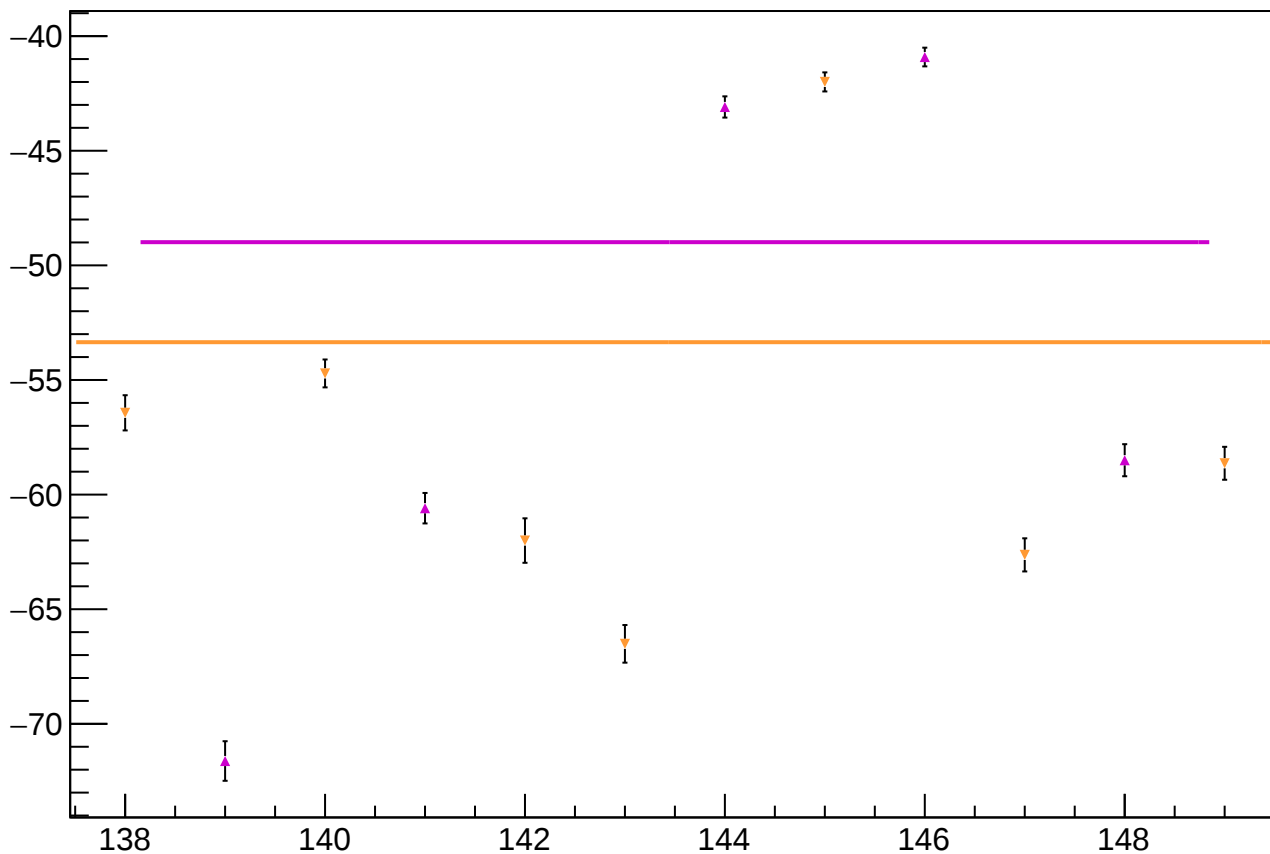
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 3.192+/-0.162 χ^2/NDF :145.7/4

4.202+/-0.168 χ^2/NDF : 166.9/6

3.192+/-0.162 χ^2/NDF : 145.7/4

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -53.351+/-0.246 χ^2/NDF :1321.9/6

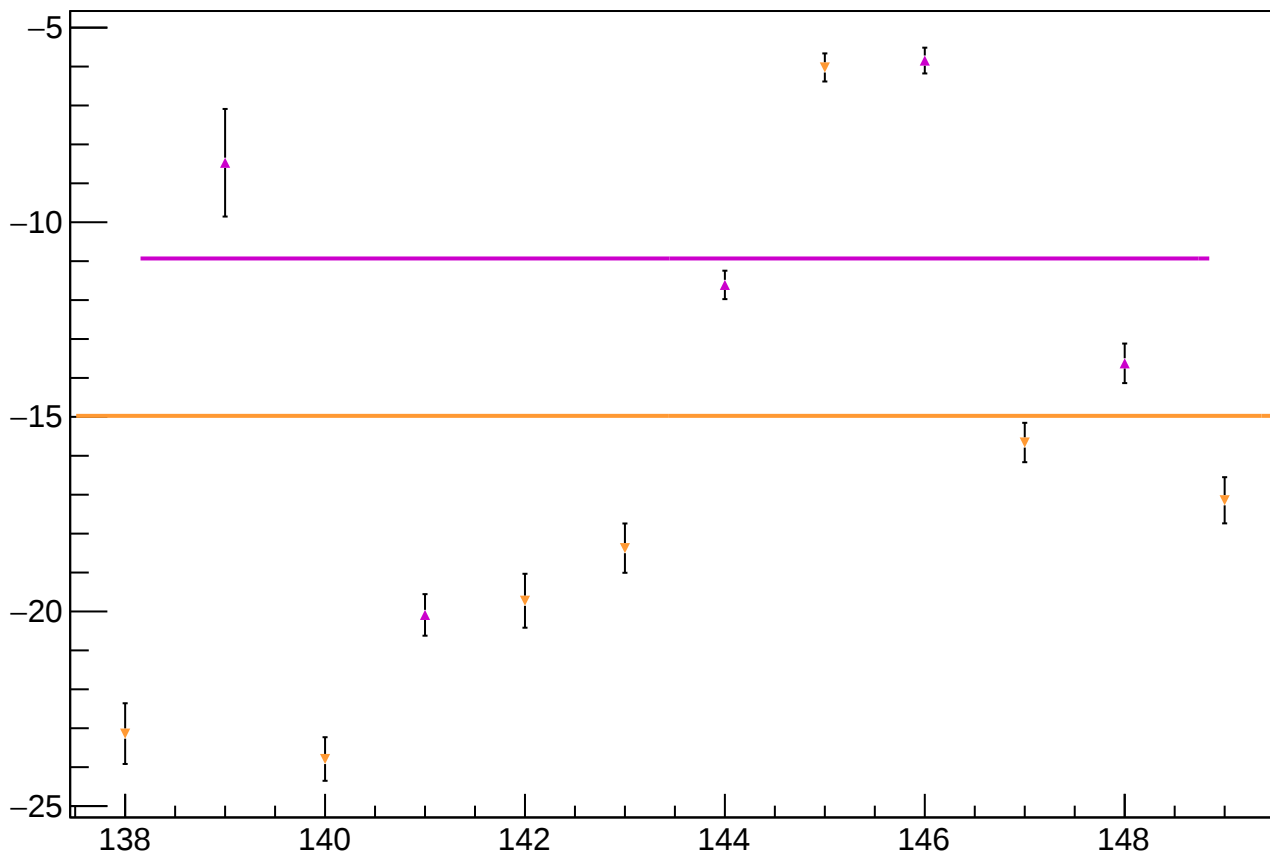
-53.351+/-0.246 χ^2/NDF : 1321.9/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -48.988+/-0.247 χ^2/NDF :1731.4/4

-48.988+/-0.247 χ^2/NDF : 1731.4/4

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -14.974+/-0.205 χ^2/NDF : 1063.8/6

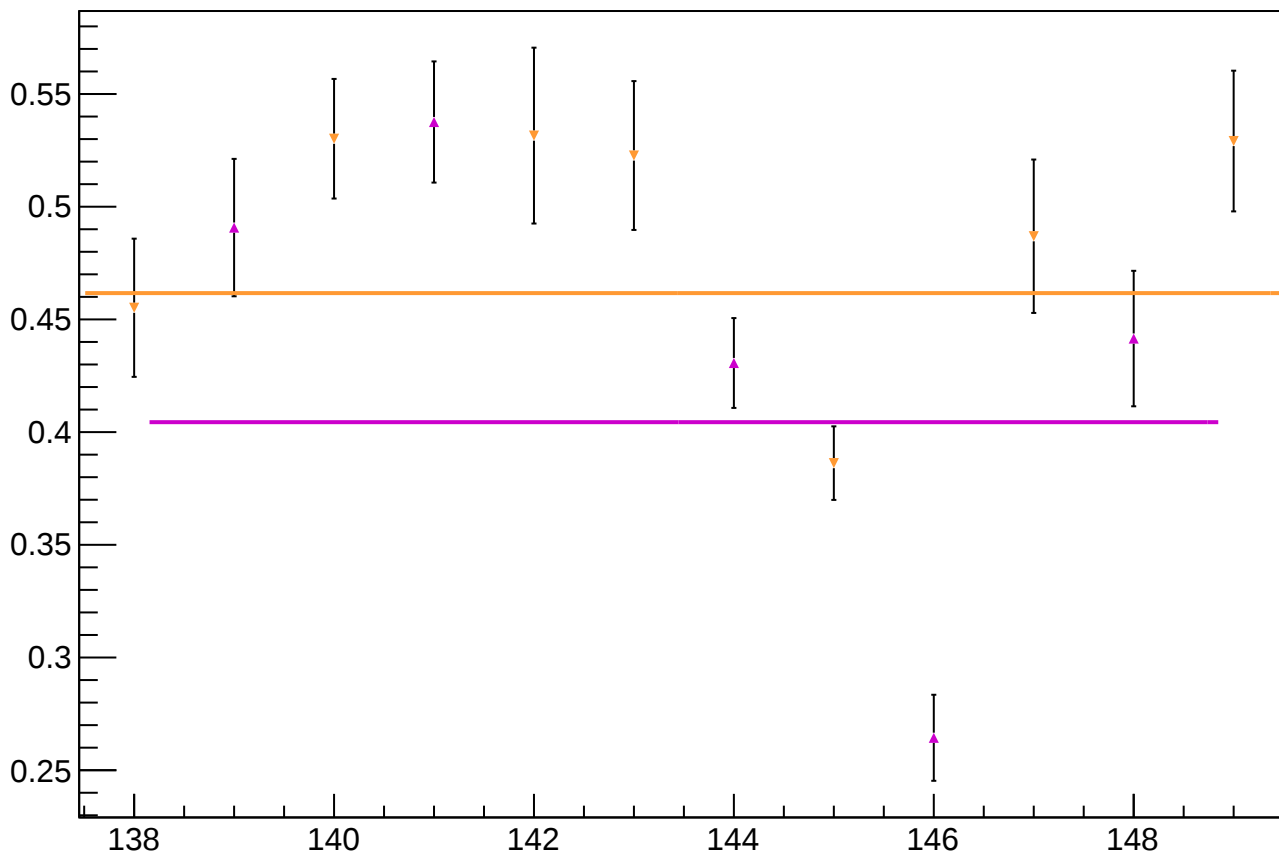
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -10.931+/-0.202 χ^2/NDF : 564.7/4

-14.974+/-0.205 χ^2/NDF : 1063.8/6

-10.931+/-0.202 χ^2/NDF : 564.7/4

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.462 $\pm$ 0.010 χ^2 /NDF:39.9/6

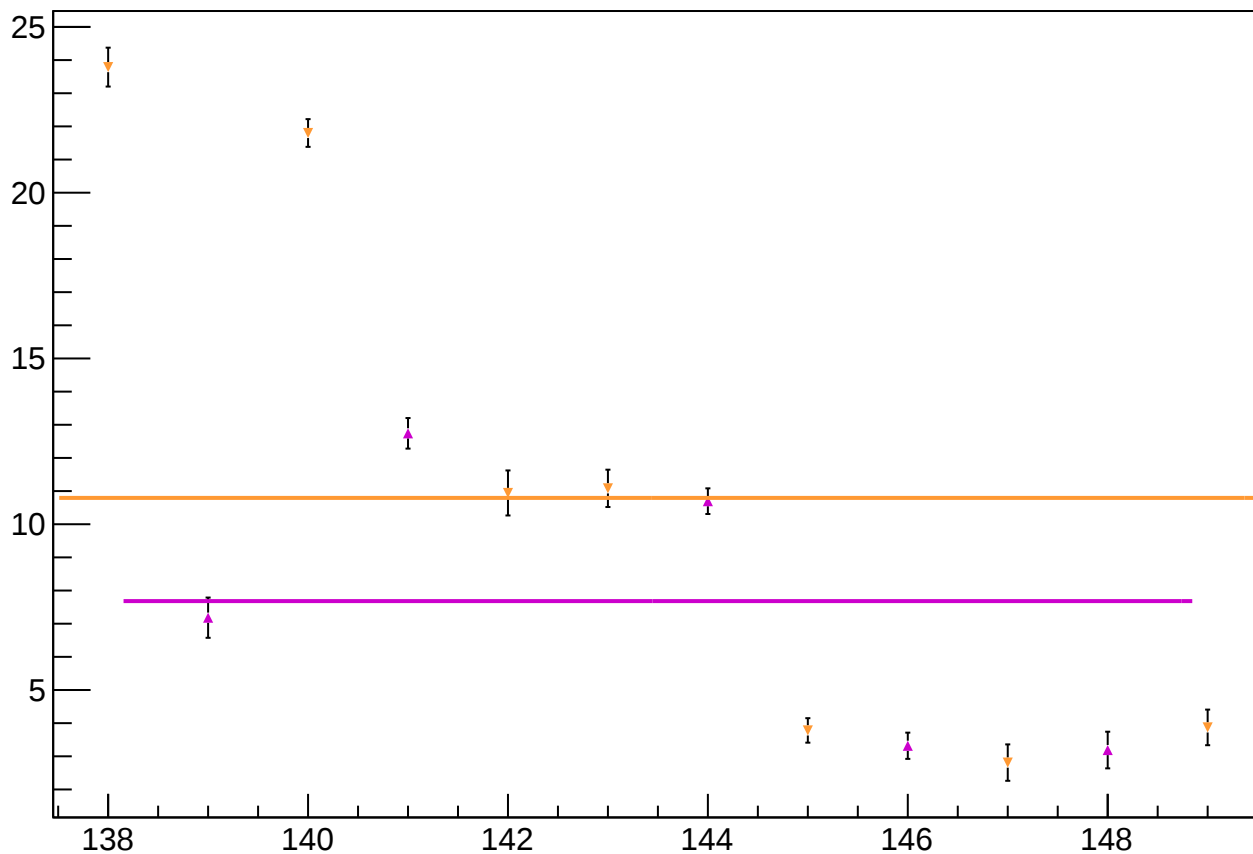
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.404 $\pm$ 0.011 χ^2 /NDF:89.6/4

0.462 $\pm$ 0.010 χ^2 /NDF: 39.9/6

0.404 $\pm$ 0.011 χ^2 /NDF: 89.6/4

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug

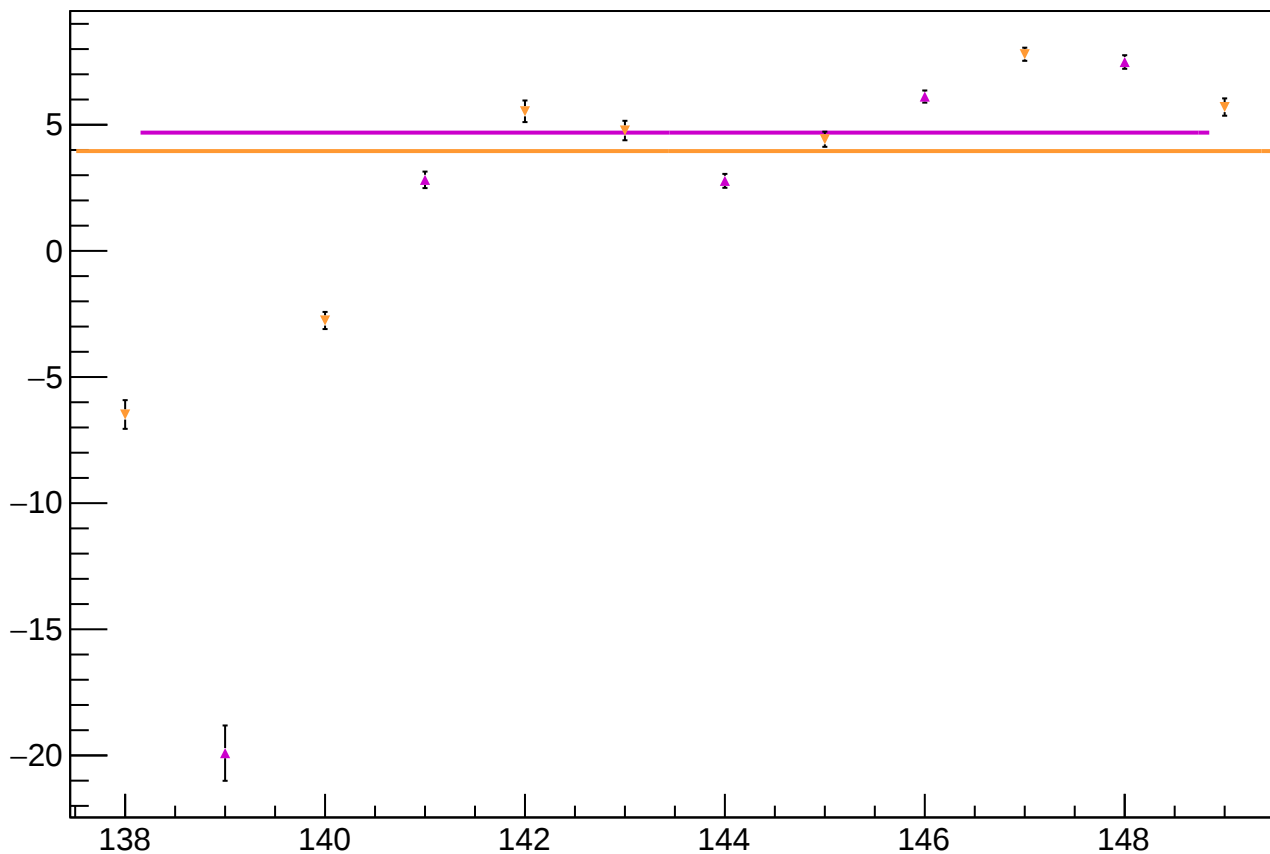


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 10.794+/-0.189 χ^2/NDF :1921.2/6
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 7.682+/-0.205 χ^2/NDF :369.5/4

10.794+/-0.189 χ^2/NDF : 1921.2/6

7.682+/-0.205 χ^2/NDF : 369.5/4

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 3.957+/-0.131 χ^2/NDF : 990.6/6

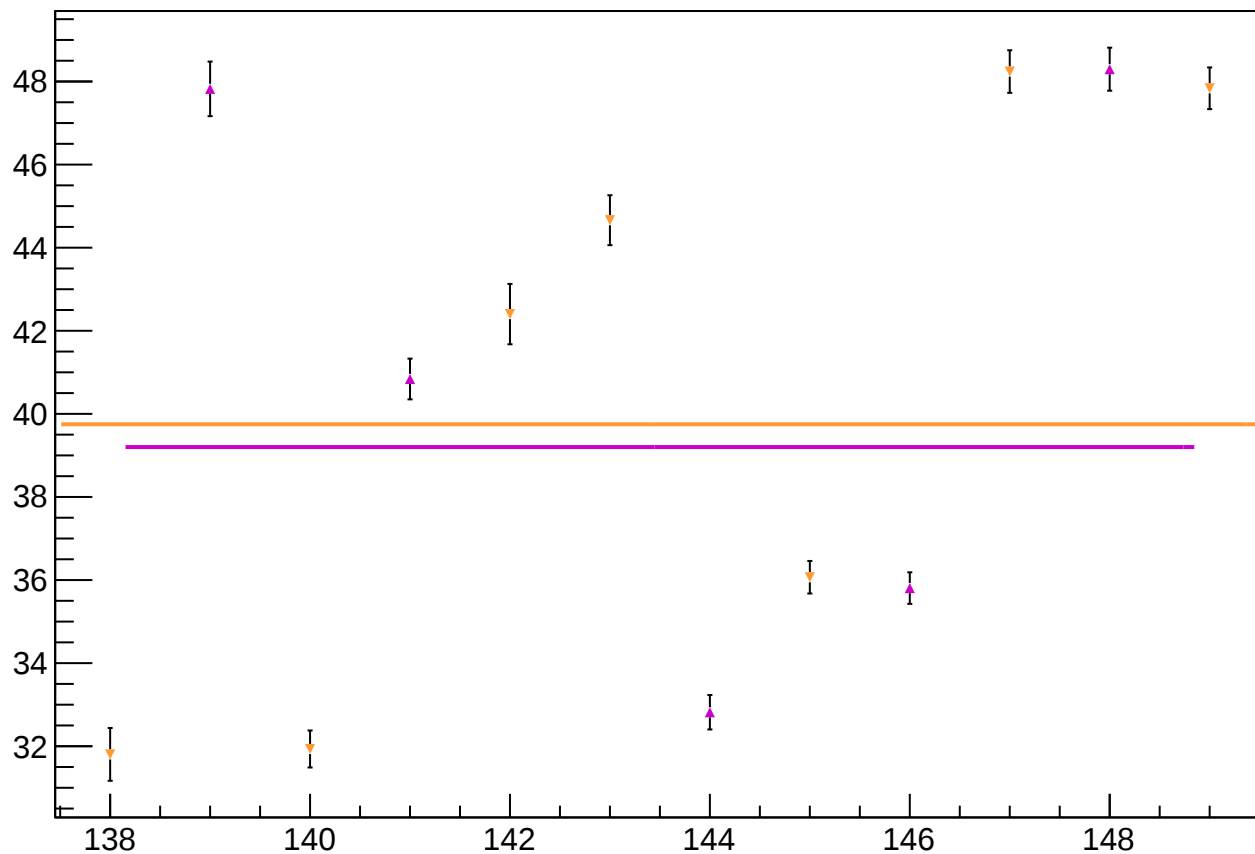
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 4.688+/-0.136 χ^2/NDF : 727.1/4

3.957+/-0.131 χ^2/NDF : 990.6/6

4.688+/-0.136 χ^2/NDF : 727.1/4

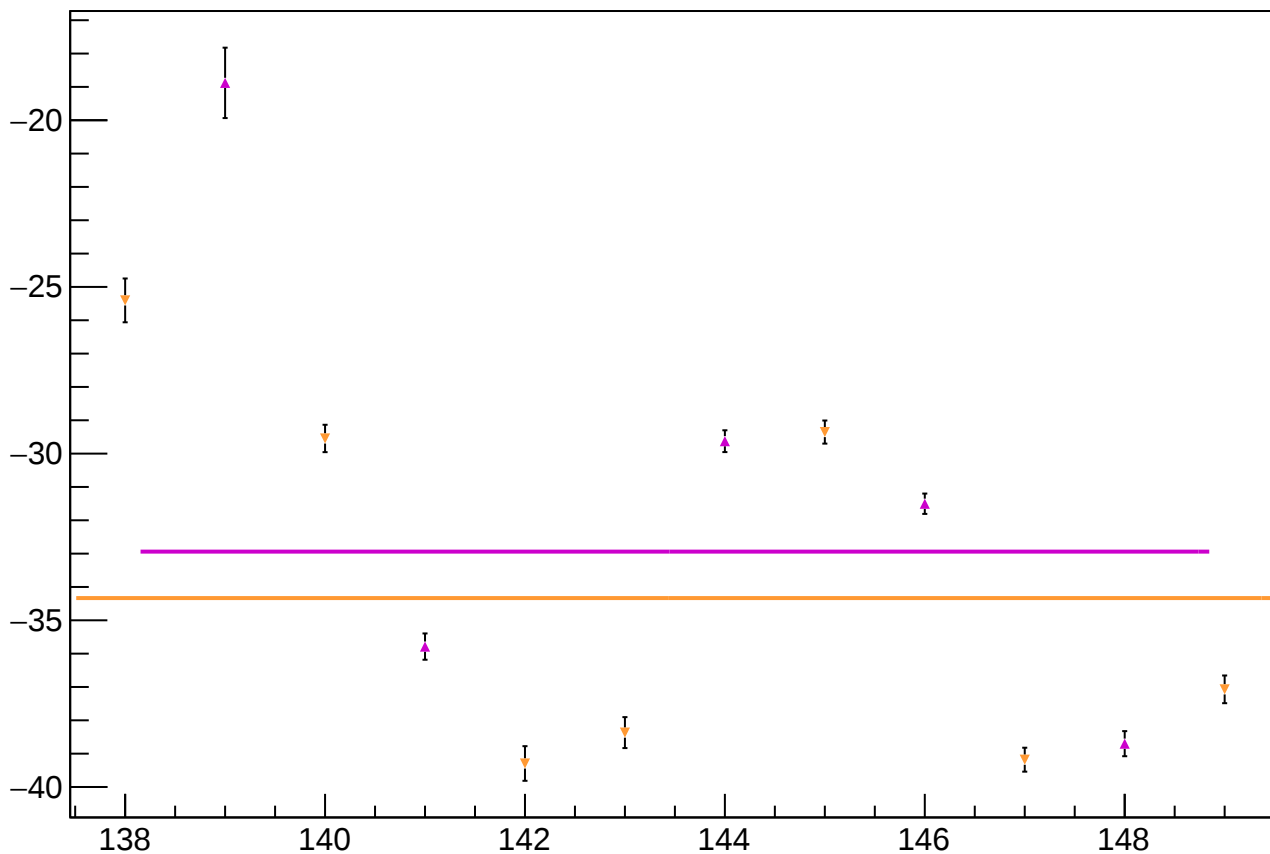
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 39.749 $\pm$ 0.194 χ^2 /NDF:1166.2/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 39.201 $\pm$ 0.209 χ^2 /NDF:808.8/4

39.749 $\pm$ 0.194 χ^2 /NDF: 1166.2/6
 39.201 $\pm$ 0.209 χ^2 /NDF: 808.8/4

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -34.333+/-0.161 χ^2/NDF : 919.8/6

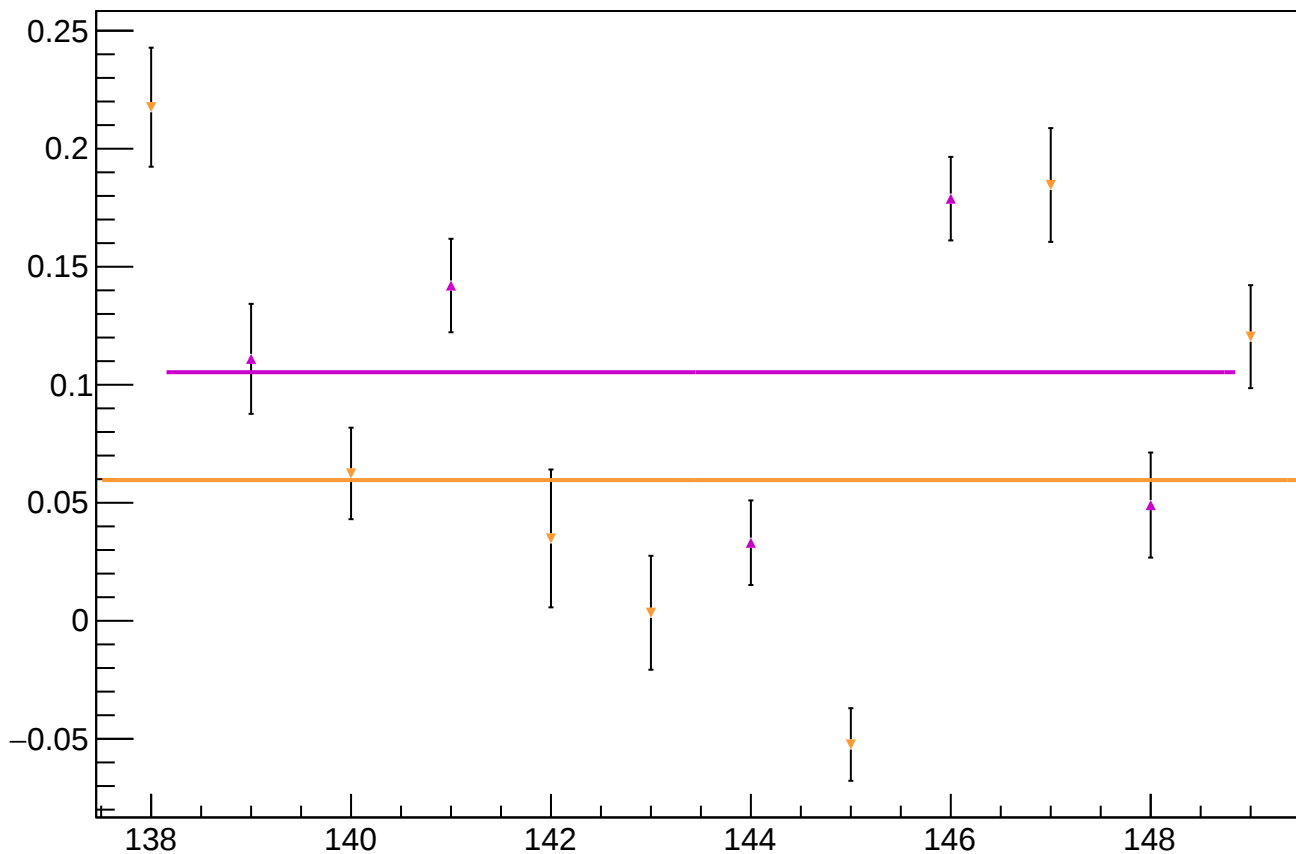
-34.333+/-0.161 χ^2/NDF : 919.8/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-32.940+/-0.170 χ^2/NDF : 588.6/4

Left In: -32.940+/-0.170 χ^2/NDF : 588.6/4

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.060+/-0.008 χ^2/NDF :133.1/6

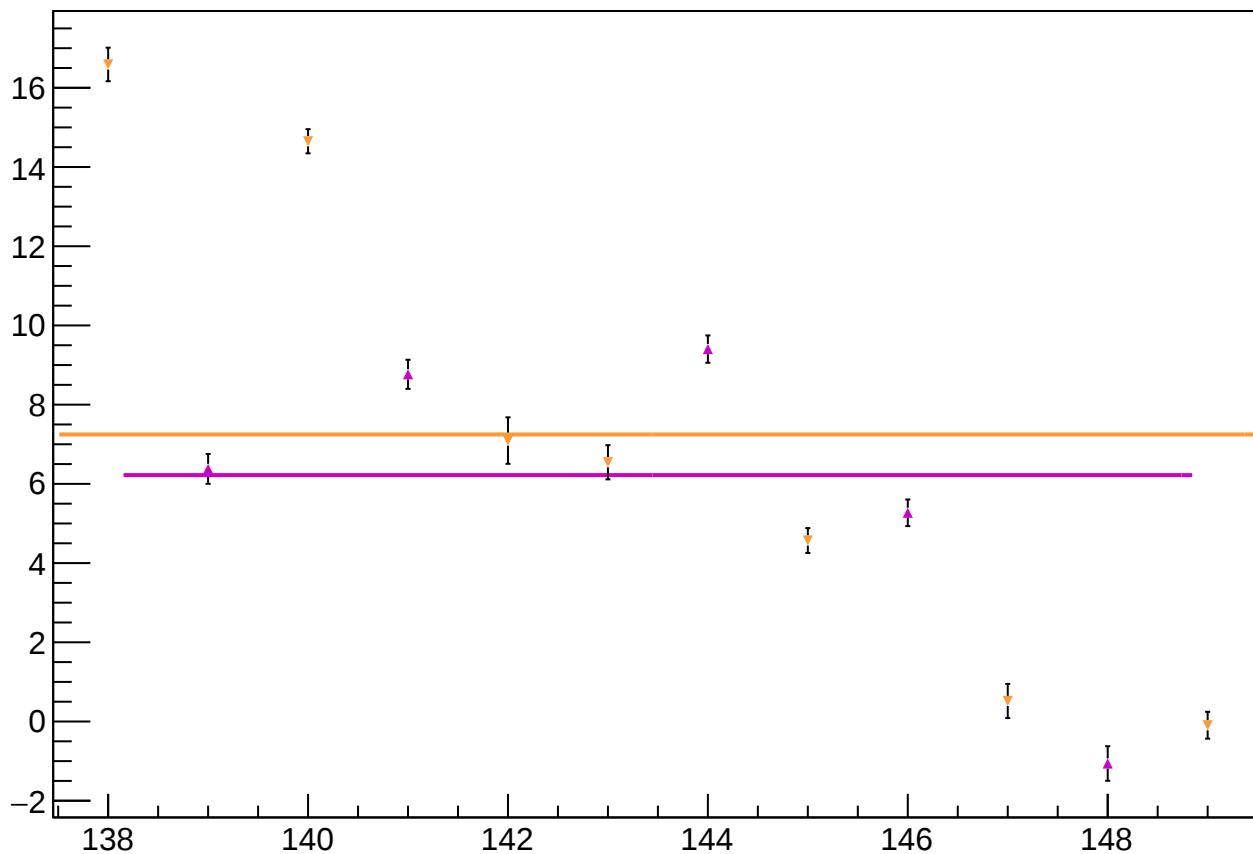
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.105+/-0.009 χ^2/NDF :43.4/4

0.060+/-0.008 χ^2/NDF : 133.1/6

0.105+/-0.009 χ^2/NDF : 43.4/4

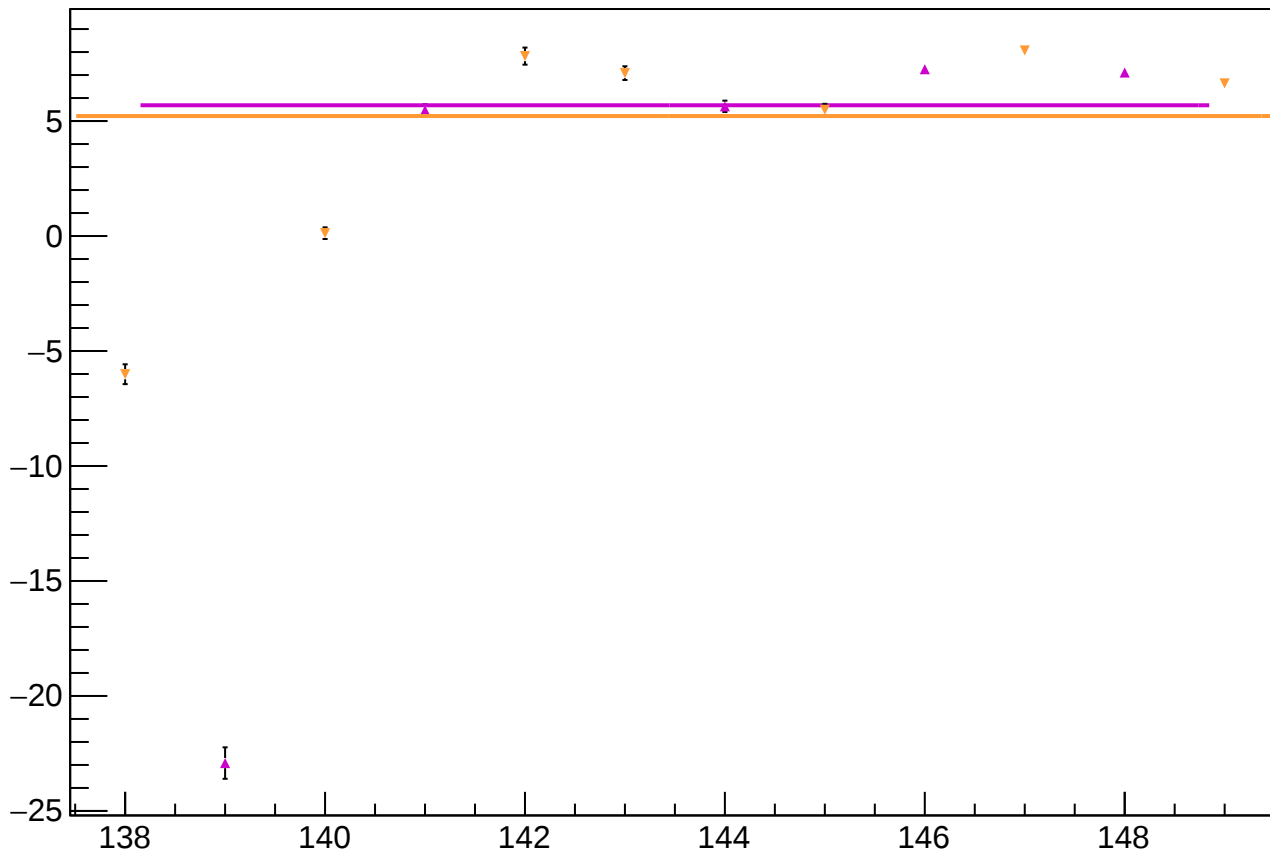
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 7.248+/-0.143 χ^2/NDF :1862.1/6
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 6.222+/-0.164 χ^2/NDF :419.3/4

7.248+/-0.143 χ^2/NDF : 1862.1/6
6.222+/-0.164 χ^2/NDF : 419.3/4

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

5.217 $\pm$ 0.101 χ^2 /NDF: 1404.0/6

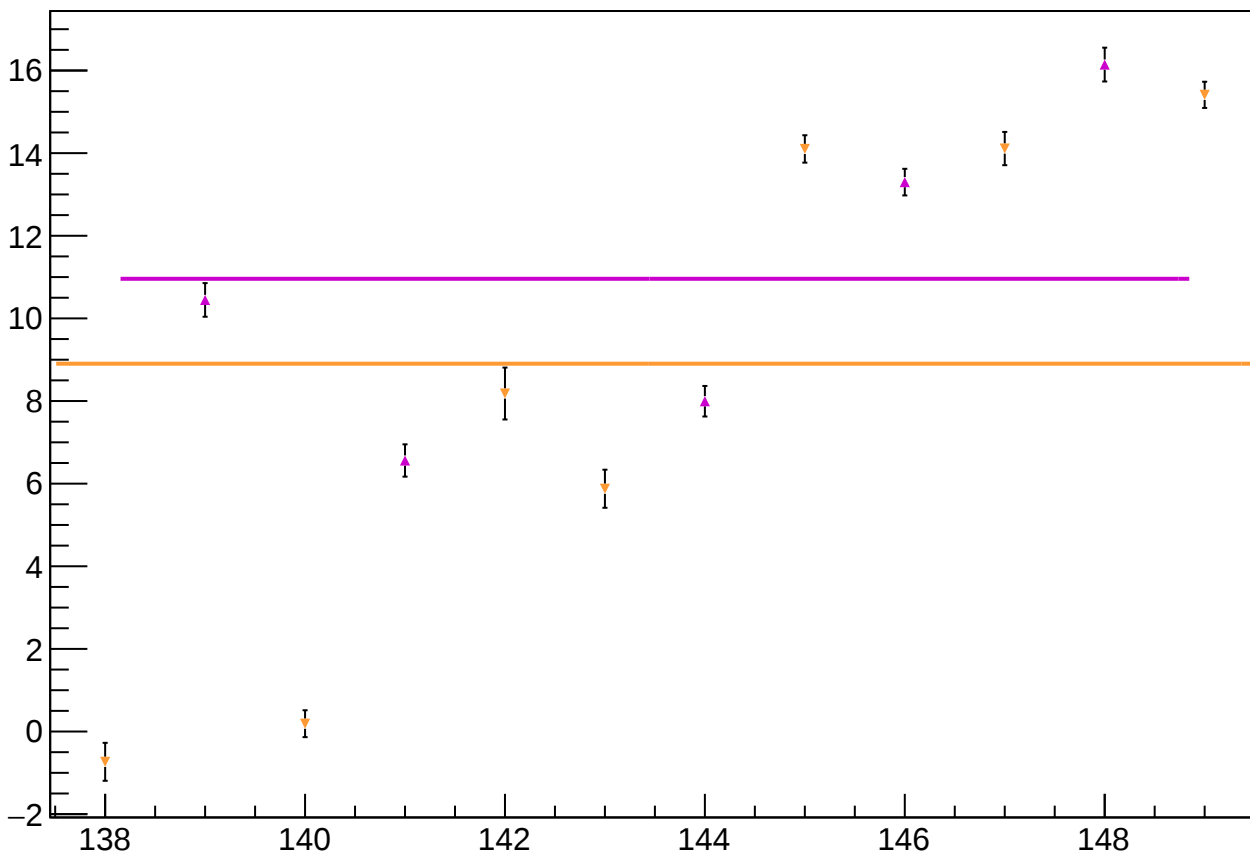
Left Out: 5.217 $\pm$ 0.101 χ^2 /NDF: 1404.0/6

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

5.685 $\pm$ 0.114 χ^2 /NDF: 1845.1/4

Left In: 5.685 $\pm$ 0.114 χ^2 /NDF: 1845.1/4

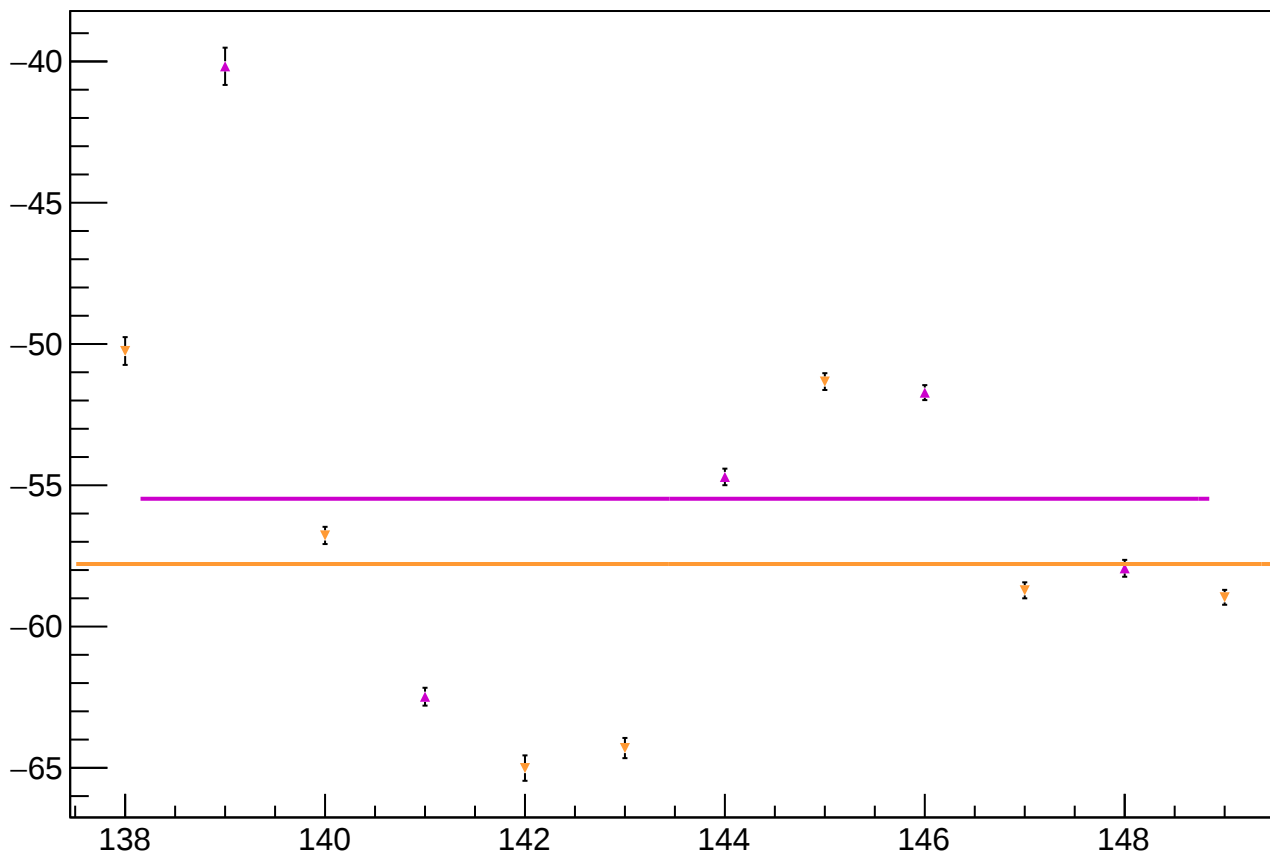
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.903 $\pm$ 0.146 χ^2 /NDF:2036.0/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 10.959 $\pm$ 0.168 χ^2 /NDF:405.6/4

8.903 $\pm$ 0.146 χ^2 /NDF: 2036.0/6
 10.959 $\pm$ 0.168 χ^2 /NDF: 405.6/4

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -57.786+/-0.123 χ^2/NDF :1338.6/6

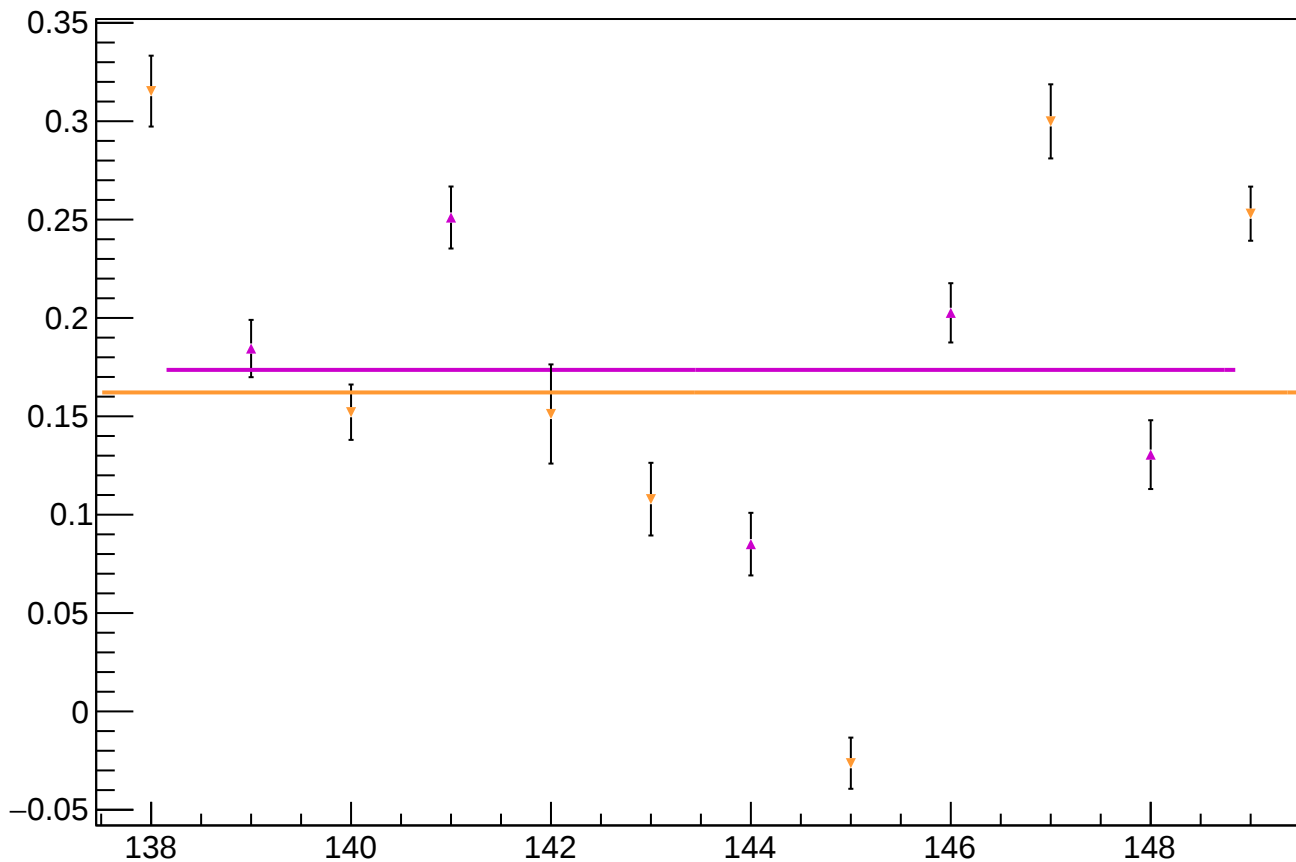
-57.786+/-0.123 χ^2/NDF : 1338.6/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -55.477+/-0.142 χ^2/NDF :1306.3/4

-55.477+/-0.142 χ^2/NDF : 1306.3/4

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



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

Left Out: 0.162 $\pm$ 0.006 χ^2 /NDF: 388.5/6

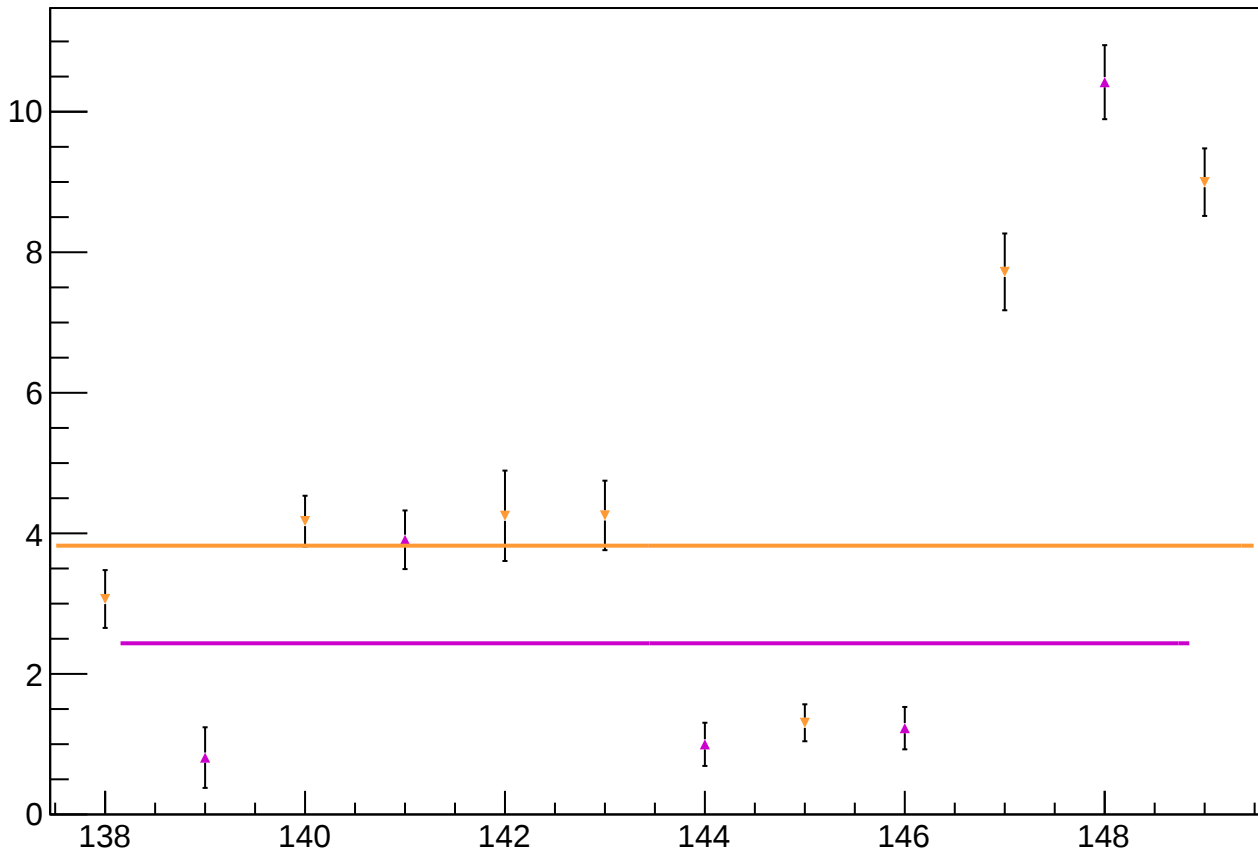
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.174 $\pm$ 0.007 χ^2 /NDF: 65.5/4

0.162 $\pm$ 0.006 χ^2 /NDF: 388.5/6

0.174 $\pm$ 0.007 χ^2 /NDF: 65.5/4

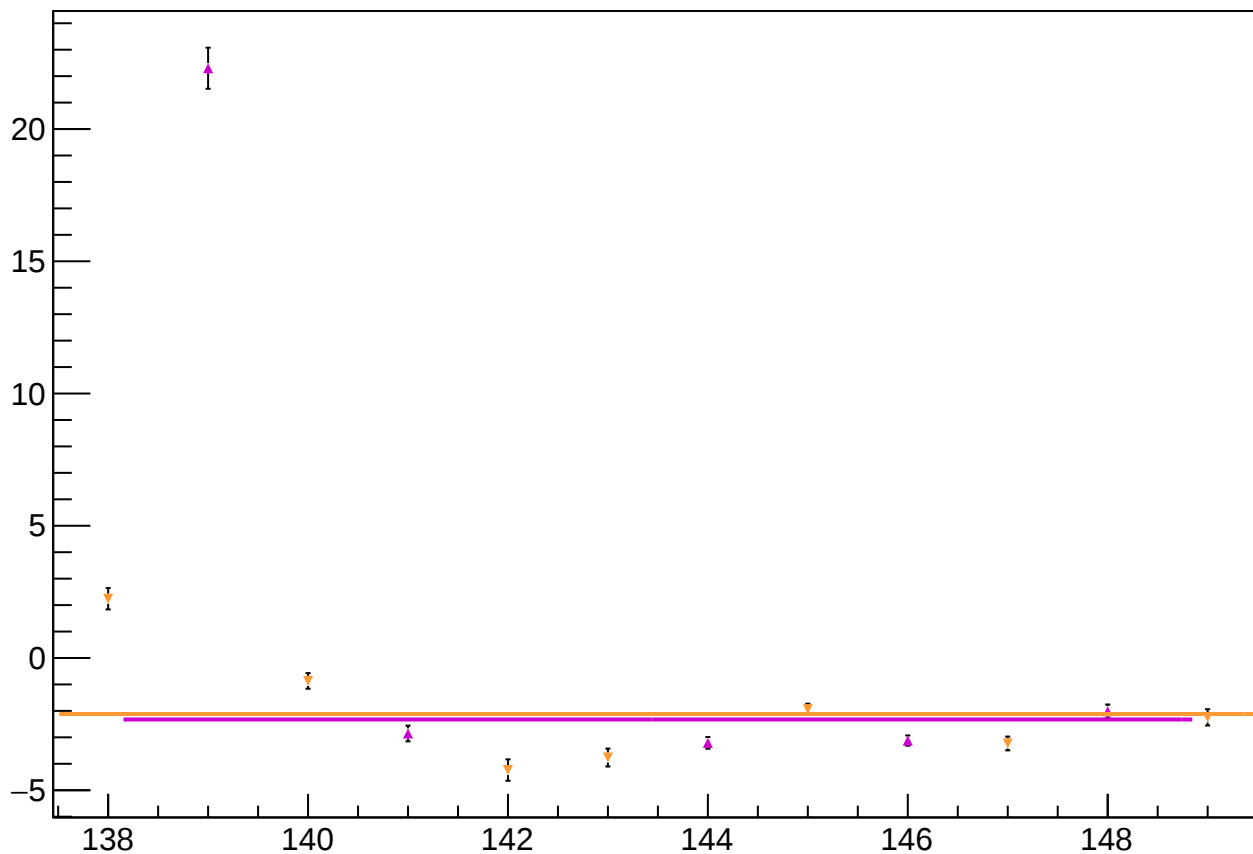
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.825+/-0.154 χ^2/NDF :264.1/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.436+/-0.166 χ^2/NDF :294.4/4

3.825+/-0.154 χ^2/NDF : 264.1/6
 2.436+/-0.166 χ^2/NDF : 294.4/4

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: -2.117+/-0.112 χ^2 /NDF:204.4/6

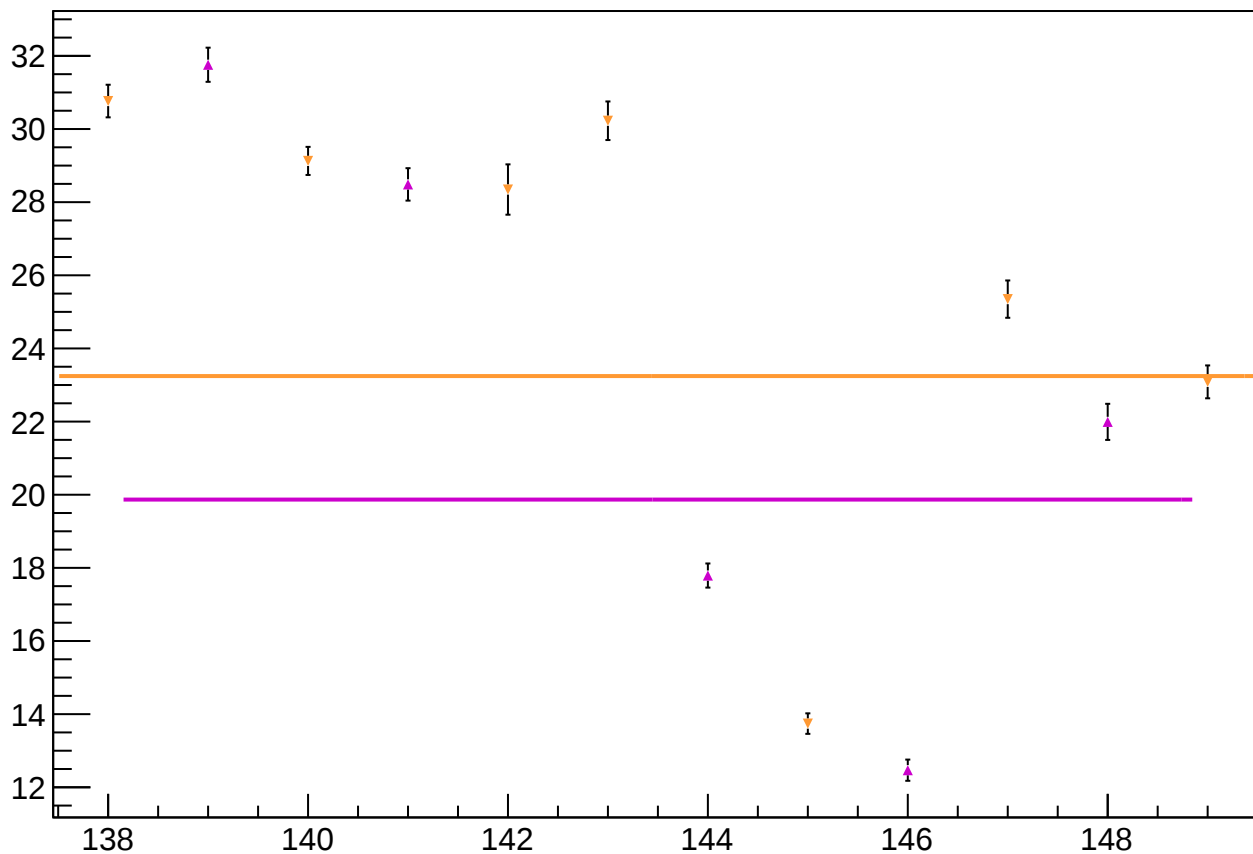
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: -2.325+/-0.115 χ^2 /NDF:1041.6/4

-2.117+/-0.112 χ^2 /NDF: 204.4/6

-2.325+/-0.115 χ^2 /NDF: 1041.6/4

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 23.245+/-0.160 χ^2/NDF :1915.6/6

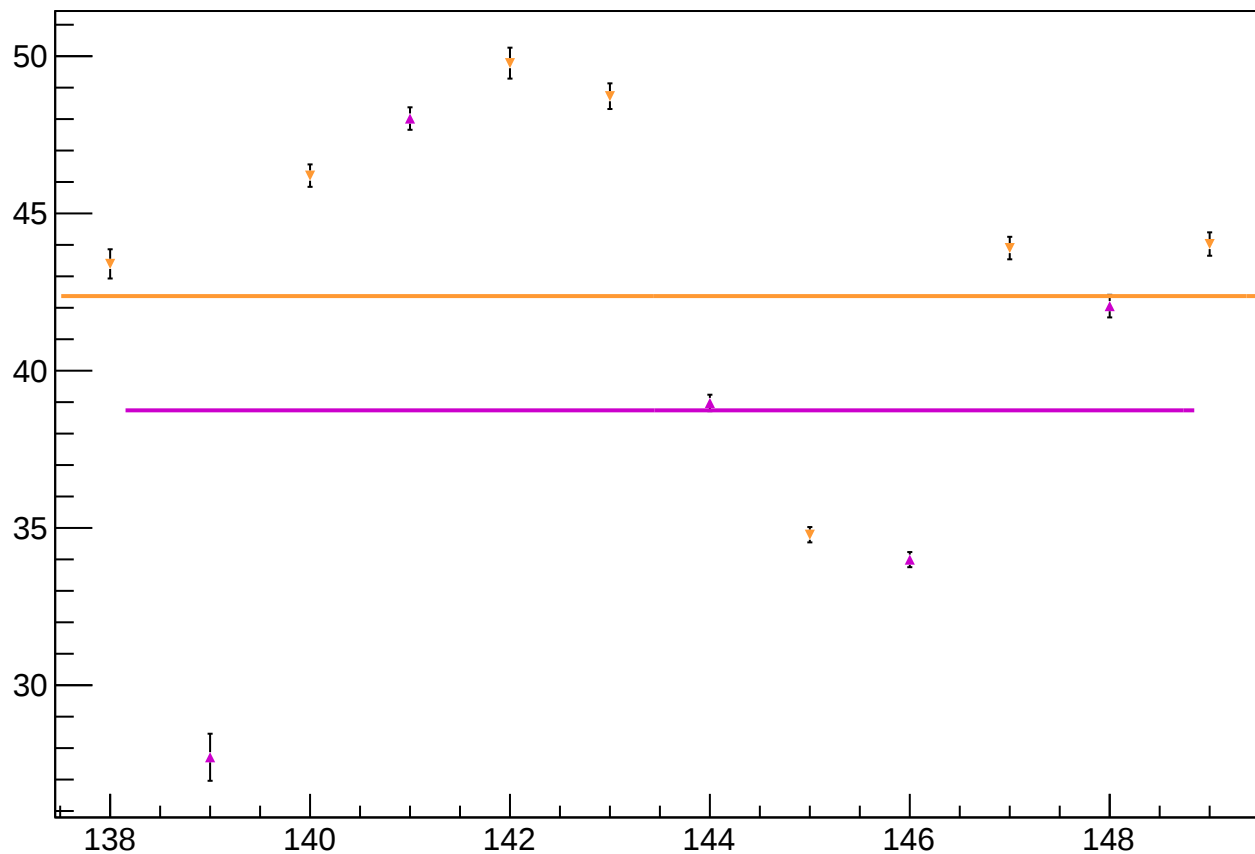
23.245+/-0.160 χ^2/NDF : 1915.6/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 19.867+/-0.169 χ^2/NDF :1735.3/4

19.867+/-0.169 χ^2/NDF : 1735.3/4

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 42.372+/-0.136 χ^2/NDF :1594.6/6

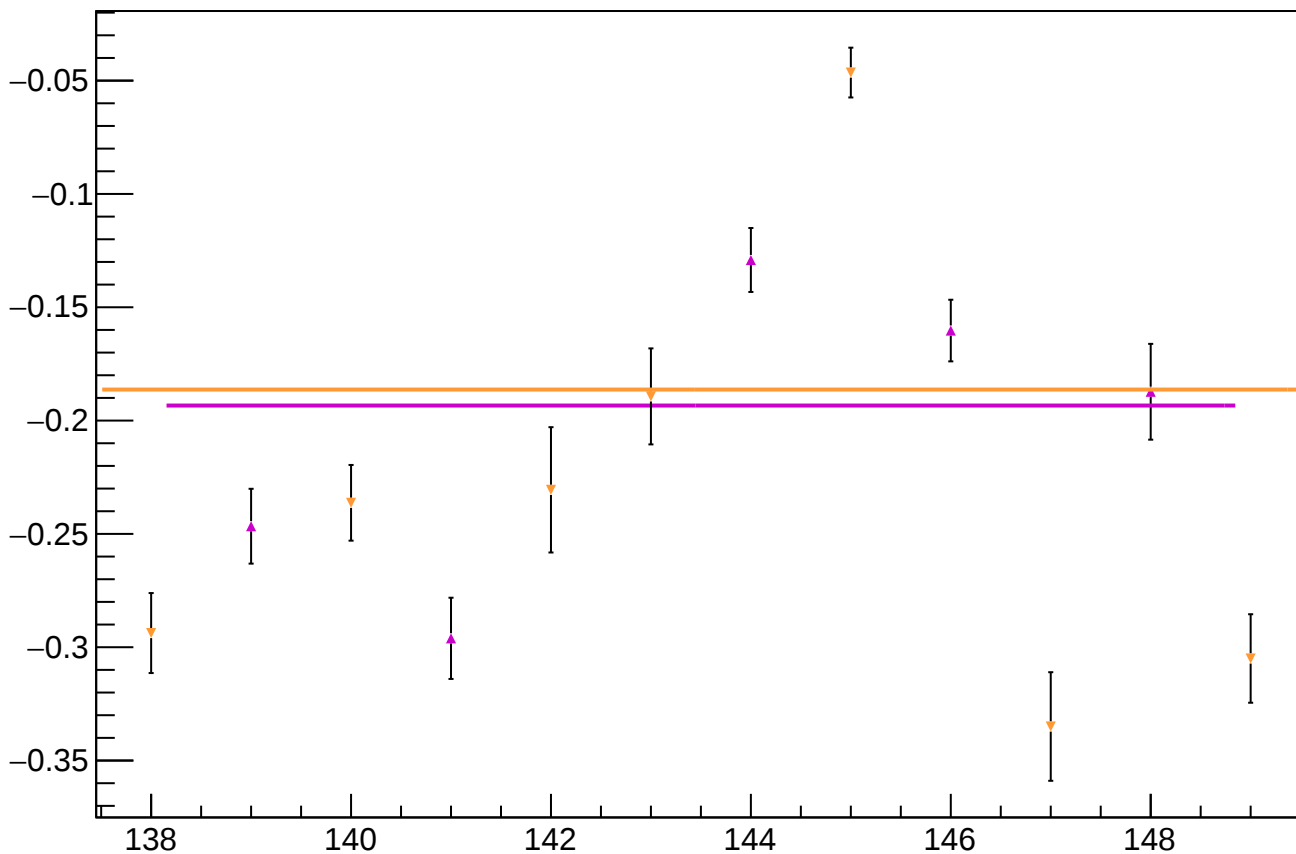
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 38.739+/-0.142 χ^2/NDF :1365.9/4

42.372+/-0.136 χ^2/NDF : 1594.6/6

38.739+/-0.142 χ^2/NDF : 1365.9/4

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.186+/-0.007 χ^2/NDF : 286.2/6

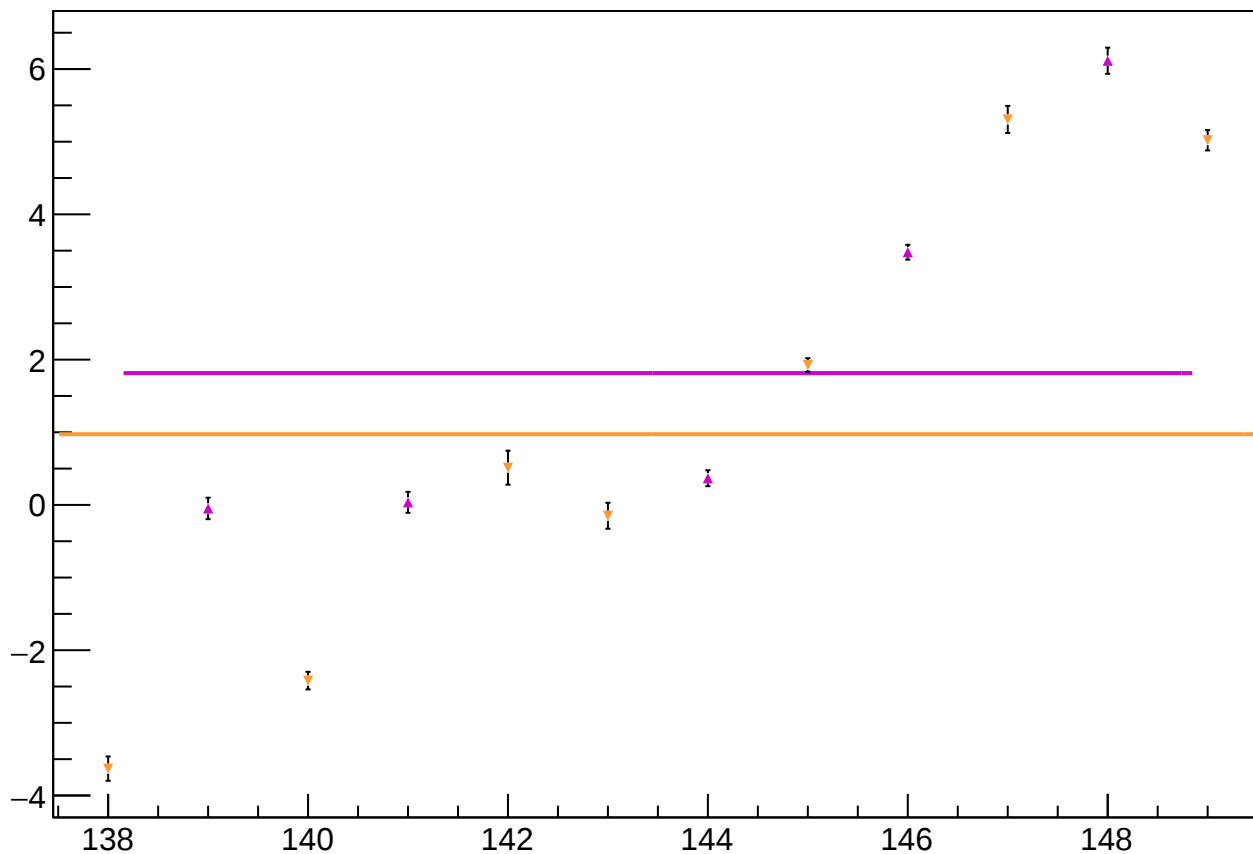
-0.186+/-0.007 χ^2/NDF : 286.2/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.193+/-0.007 χ^2/NDF : 70.0/4

-0.193+/-0.007 χ^2/NDF : 70.0/4

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug

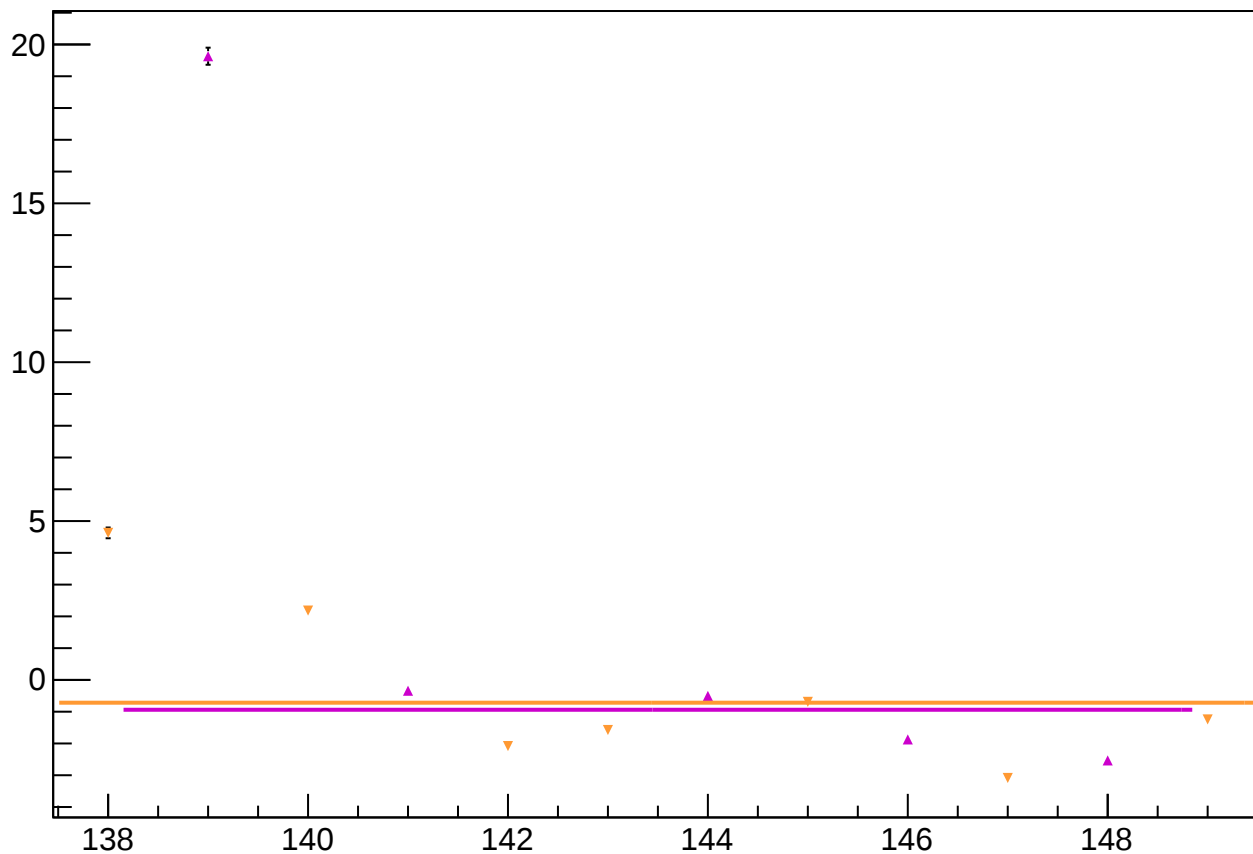


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.974 $\pm$ 0.054 χ^2 /NDF:3060.5/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.814 $\pm$ 0.057 χ^2 /NDF:1321.5/4

0.974 $\pm$ 0.054 χ^2 /NDF: 3060.5/6

1.814 $\pm$ 0.057 χ^2 /NDF: 1321.5/4

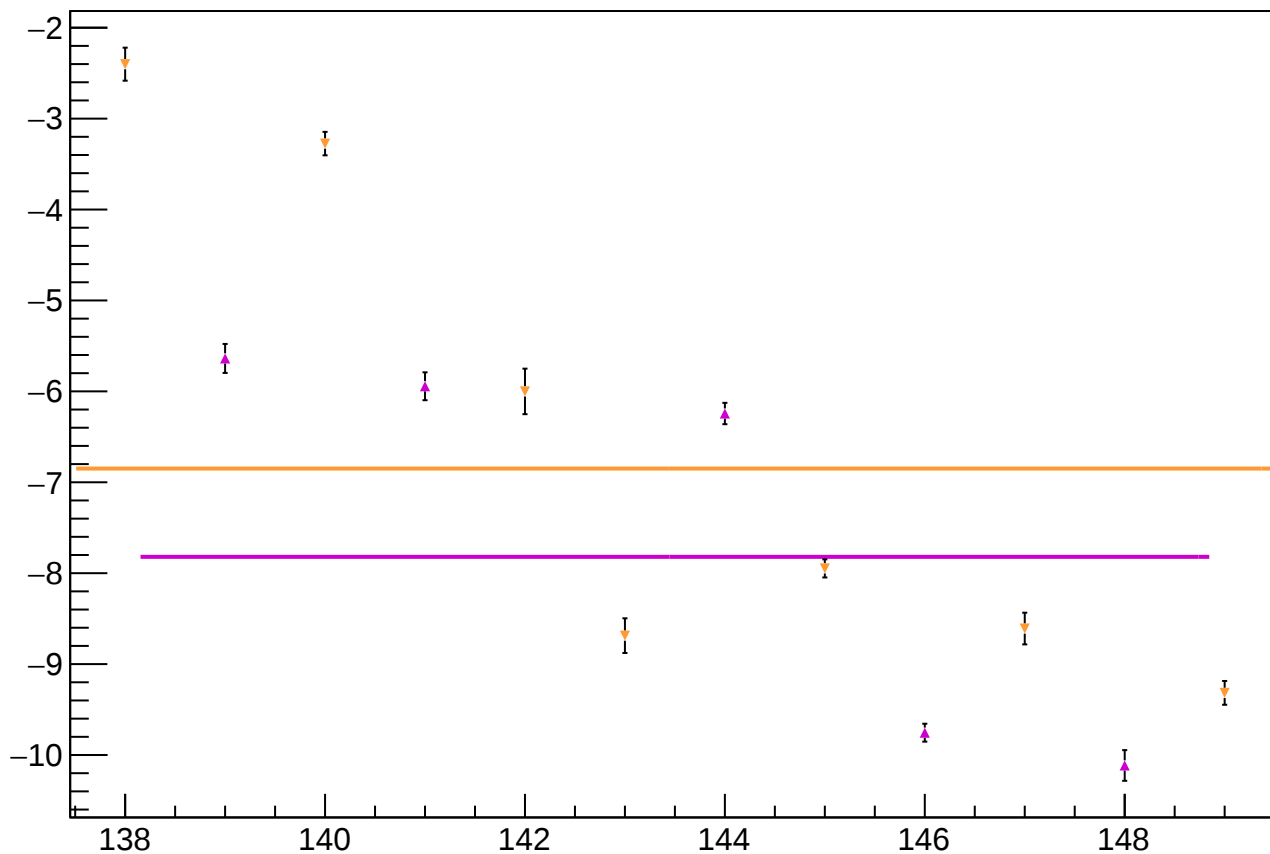
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.717+/-0.039 χ^2/NDF : 2706.3/6
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.939+/-0.040 χ^2/NDF : 6428.3/4

-0.717+/-0.039 χ^2/NDF : 2706.3/6
 -0.939+/-0.040 χ^2/NDF : 6428.3/4

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -6.849+/-0.055 χ^2/NDF : 2050.4/6

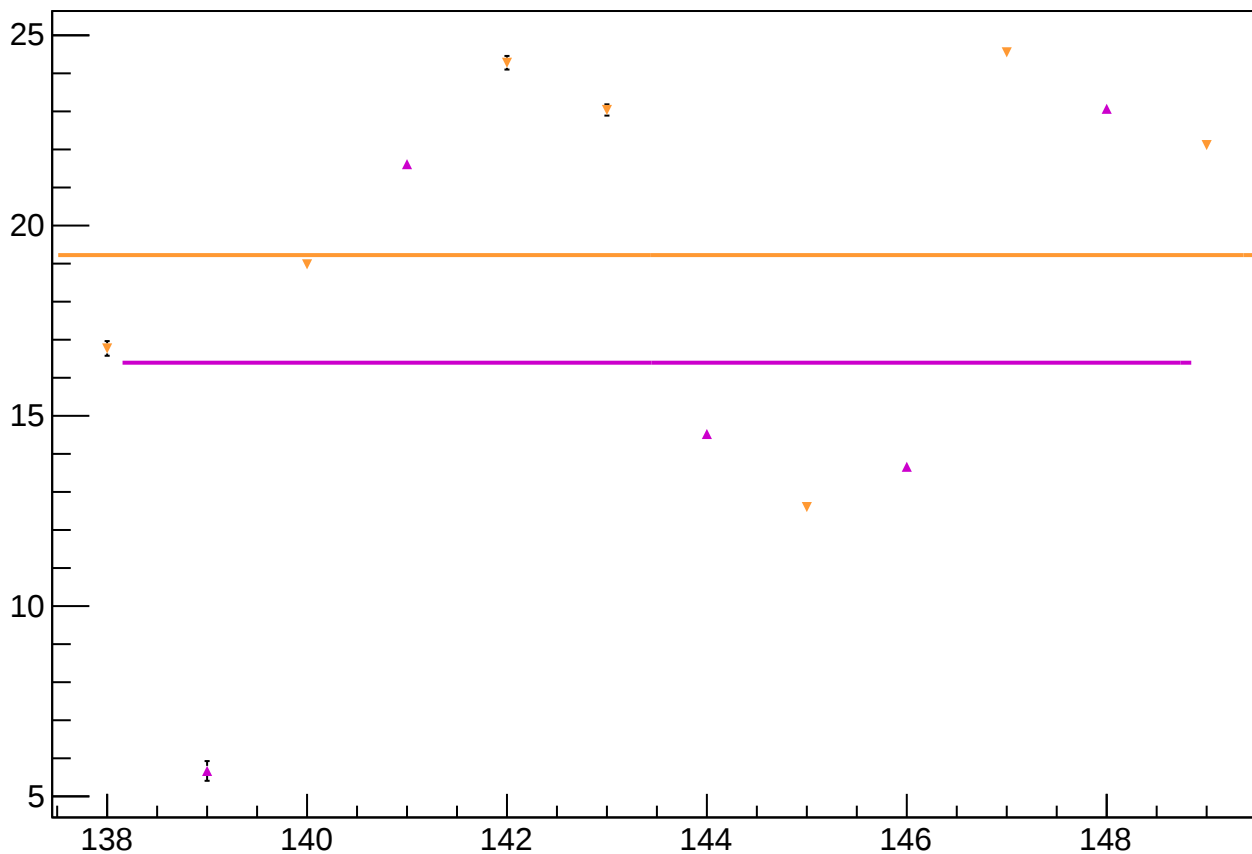
-6.849+/-0.055 χ^2/NDF : 2050.4/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -7.820+/-0.058 χ^2/NDF : 1088.2/4

-7.820+/-0.058 χ^2/NDF : 1088.2/4

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 19.224+/-0.047 χ^2/NDF : 9853.2/6

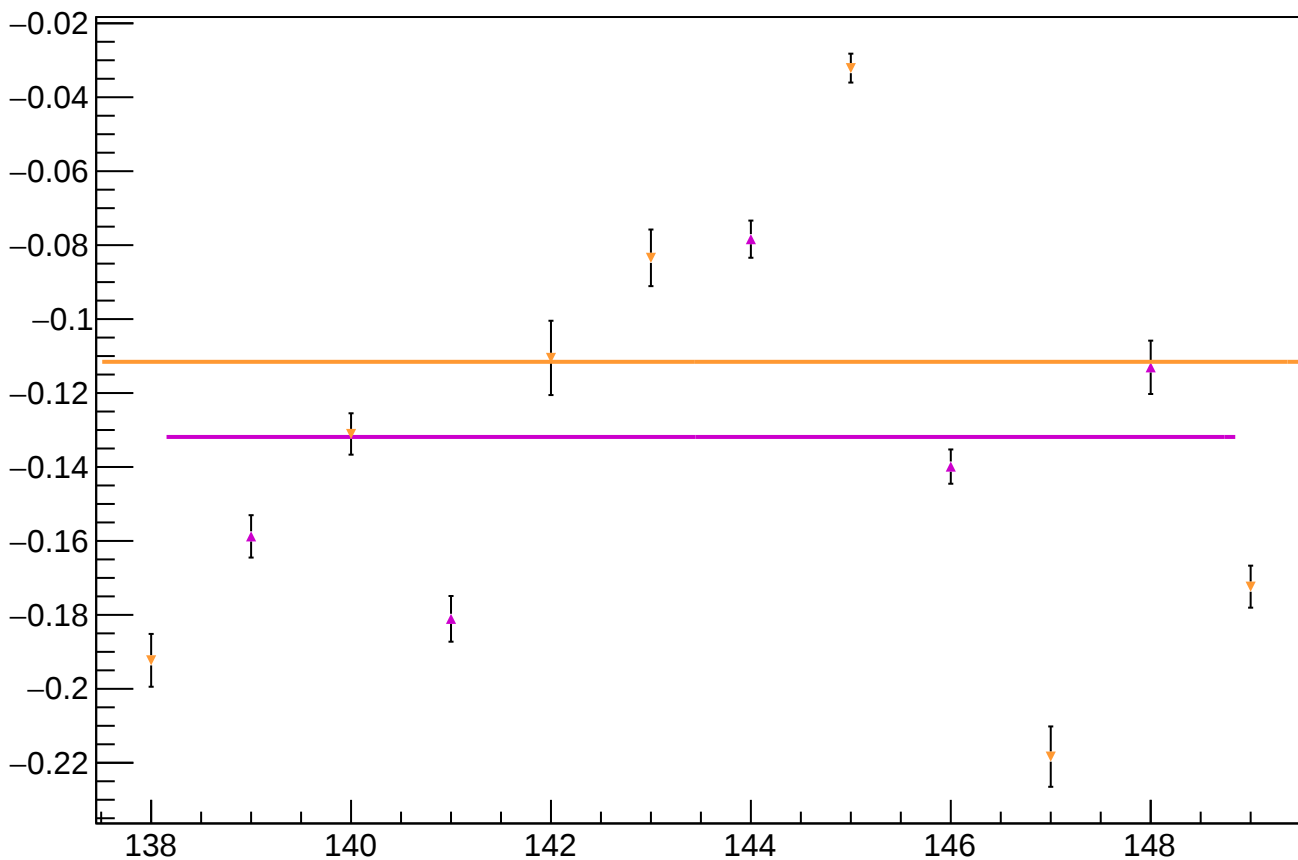
19.224+/-0.047 χ^2/NDF : 9853.2/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 16.396+/-0.049 χ^2/NDF : 7927.2/4

16.396+/-0.049 χ^2/NDF : 7927.2/4

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.112+/-0.002 χ^2/NDF : 852.3/6

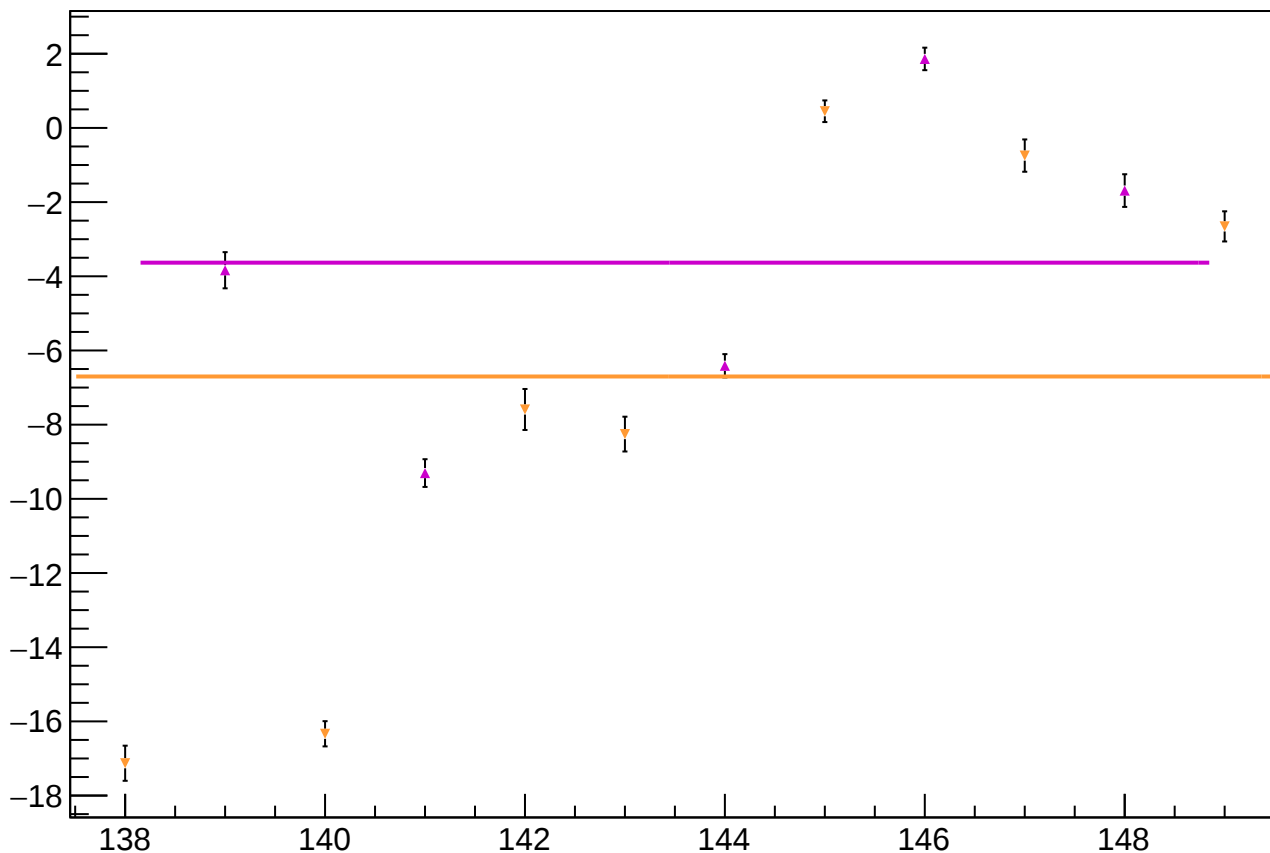
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.132+/-0.002 χ^2/NDF : 208.4/4

-0.112+/-0.002 χ^2/NDF : 852.3/6

-0.132+/-0.002 χ^2/NDF : 208.4/4

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -6.701+/-0.151 χ^2/NDF : 2187.0/6

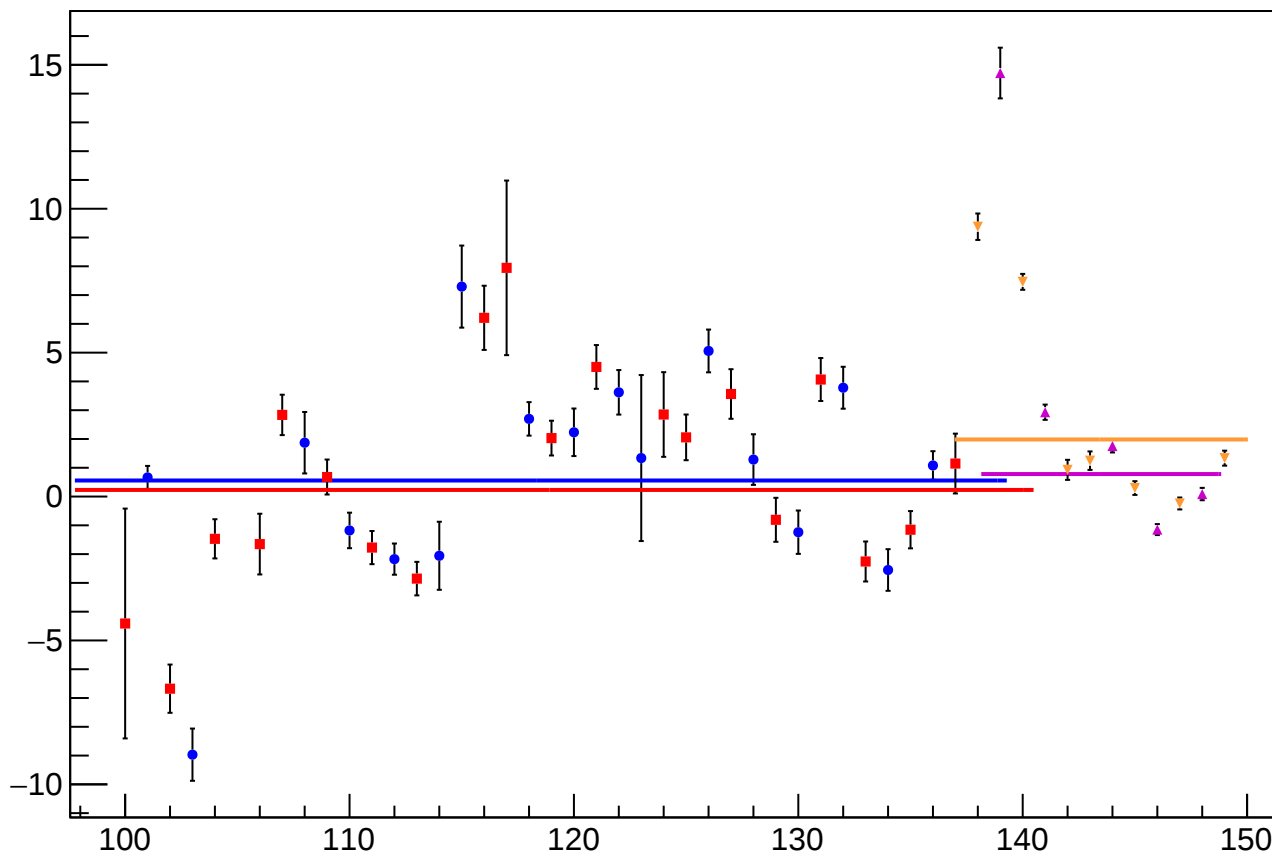
-6.701+/-0.151 χ^2/NDF : 2187.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -3.633+/-0.163 χ^2/NDF : 656.2/4

-3.633+/-0.163 χ^2/NDF : 656.2/4

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.983 ± 0.105 χ^2/NDF : 837.6/6

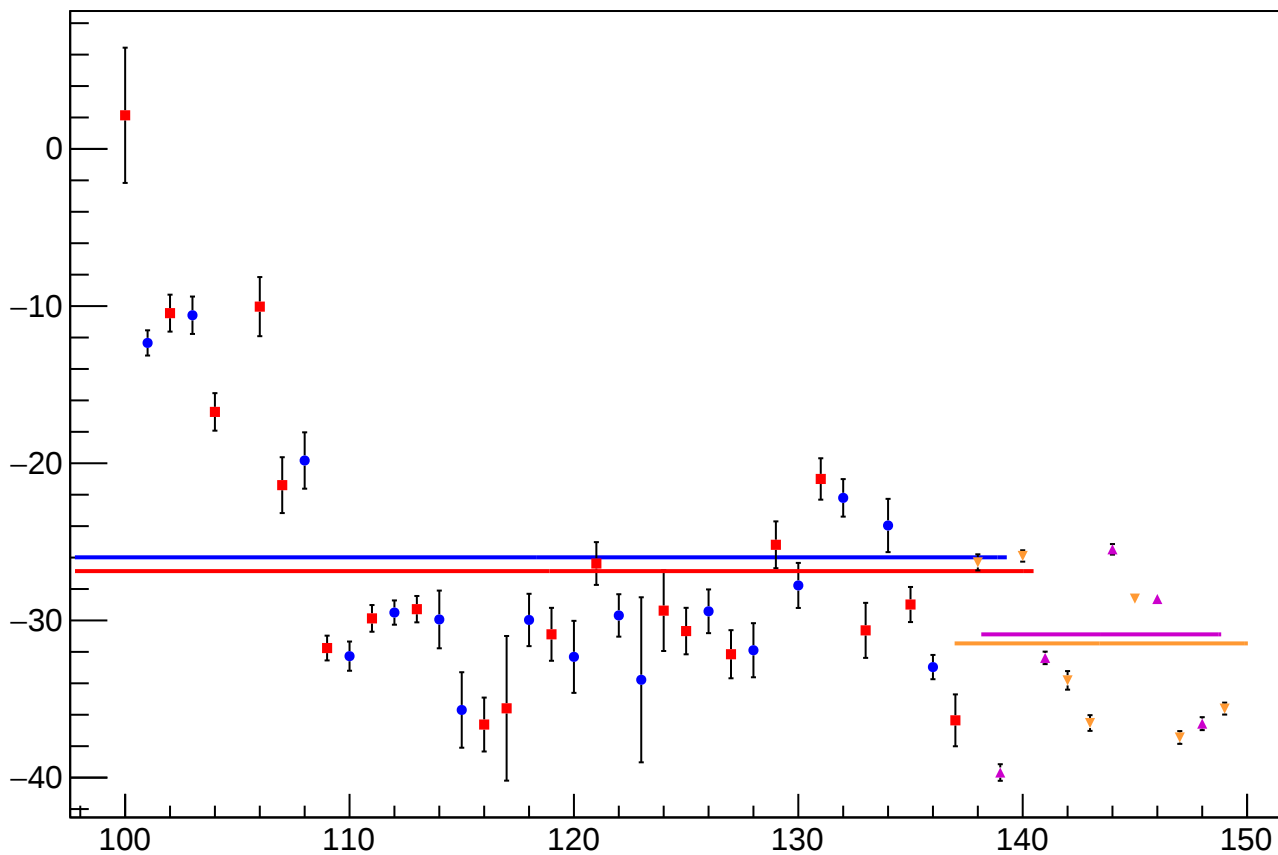
Right Out: 0.230 ± 0.174 χ^2/NDF : 278.5/19

Left In: 0.782 ± 0.109 χ^2/NDF : 447.1/4

1.592 ± 0.089 χ^2/NDF : 1176.5/23

0.627 ± 0.092 χ^2/NDF : 732.9/24

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -31.461 ± 0.155 χ^2/NDF : 875.8/6

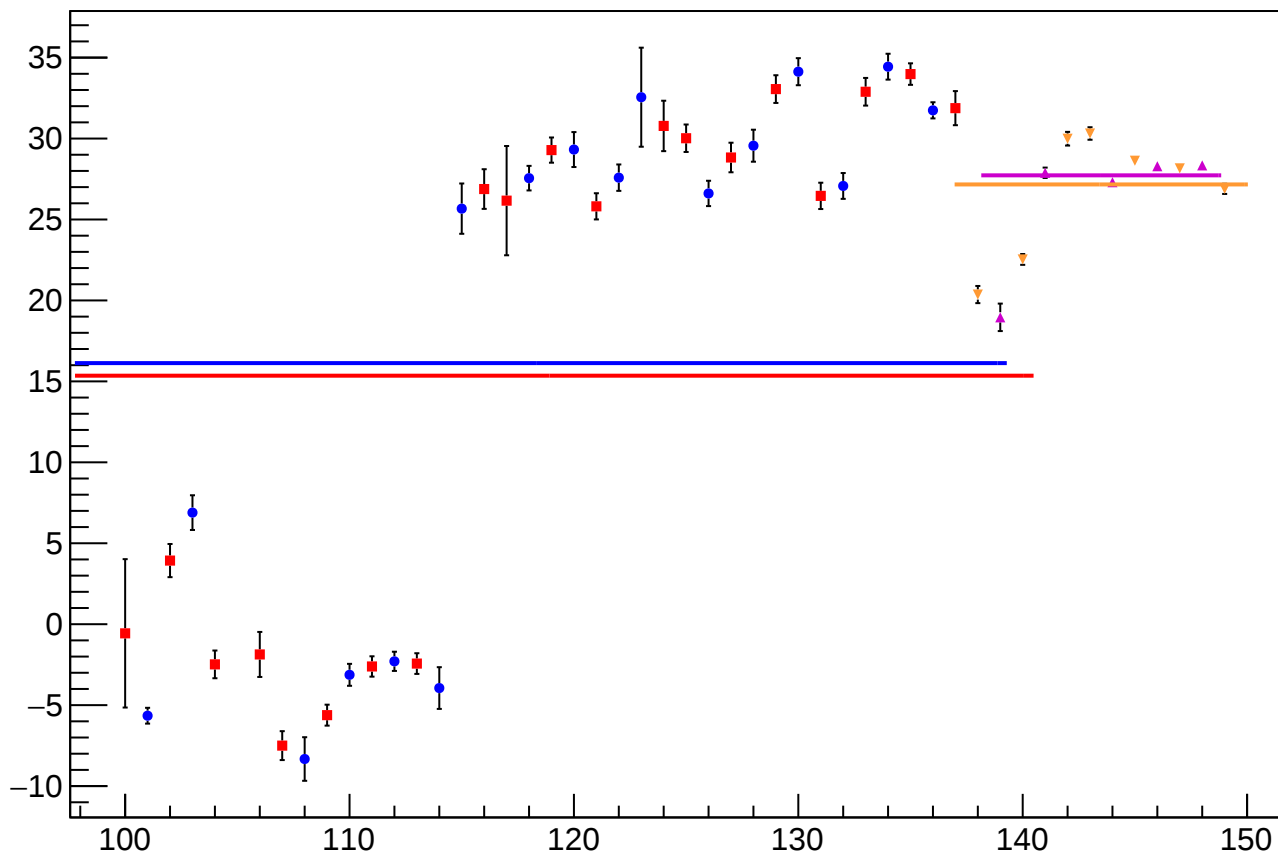
Right Out: -26.861 ± 0.297 χ^2/NDF : 585.2/19

Left In: -30.886 ± 0.166 χ^2/NDF : 799.7/4

-30.311 ± 0.138 χ^2/NDF : 1829.9/23

-29.930 ± 0.145 χ^2/NDF : 1524.9/24

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129+/-0.192 χ^2/NDF : 7572.5/16

Left Out: 27.165+/-0.129 χ^2/NDF : 509.1/6

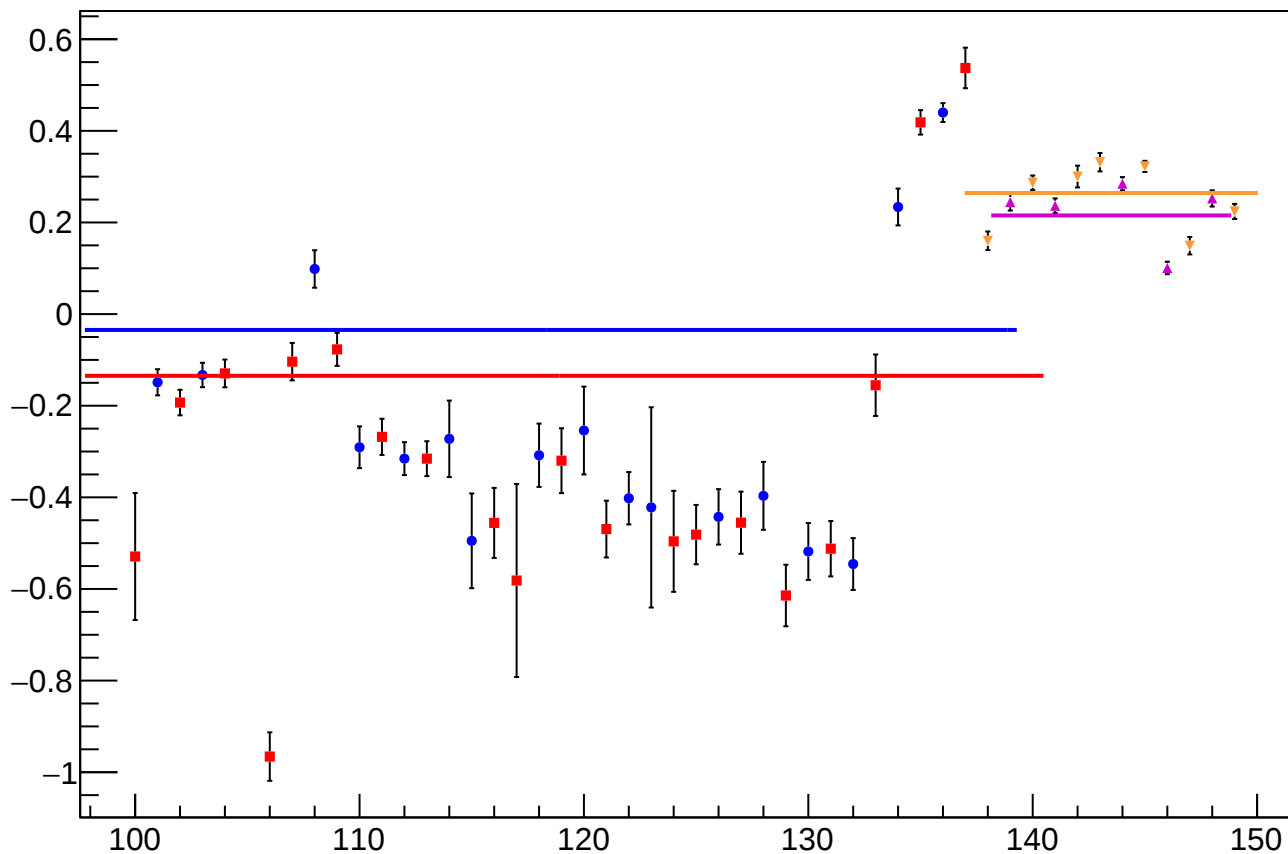
Right Out: 15.352+/-0.197 χ^2/NDF : 7288.4/19

Left In: 27.728+/-0.136 χ^2/NDF : 119.4/4

23.748+/-0.107 χ^2/NDF : 10361.4/23

23.721+/-0.112 χ^2/NDF : 10085.2/24

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035+/-0.010 χ^2/NDF : 1011.6/16

Left Out: 0.264+/-0.006 χ^2/NDF :106.9/6

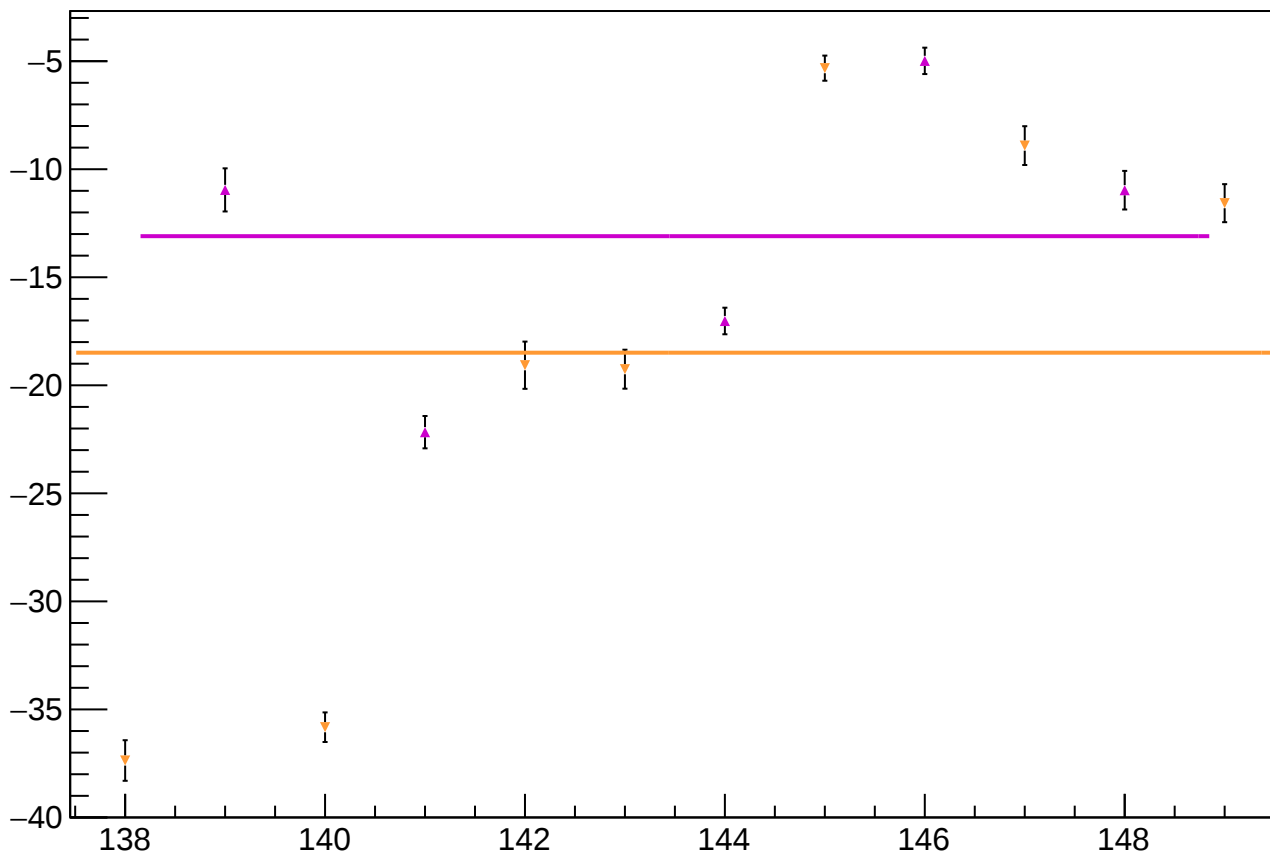
Right Out: -0.135+/-0.010 χ^2/NDF : 1166.4/19

Left In: 0.215+/-0.007 χ^2/NDF :101.7/4

0.180+/-0.005 χ^2/NDF : 1719.5/23

0.104+/-0.006 χ^2/NDF : 2047.1/24

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-18.491 ± 0.304 χ^2/NDF : 1733.9/6

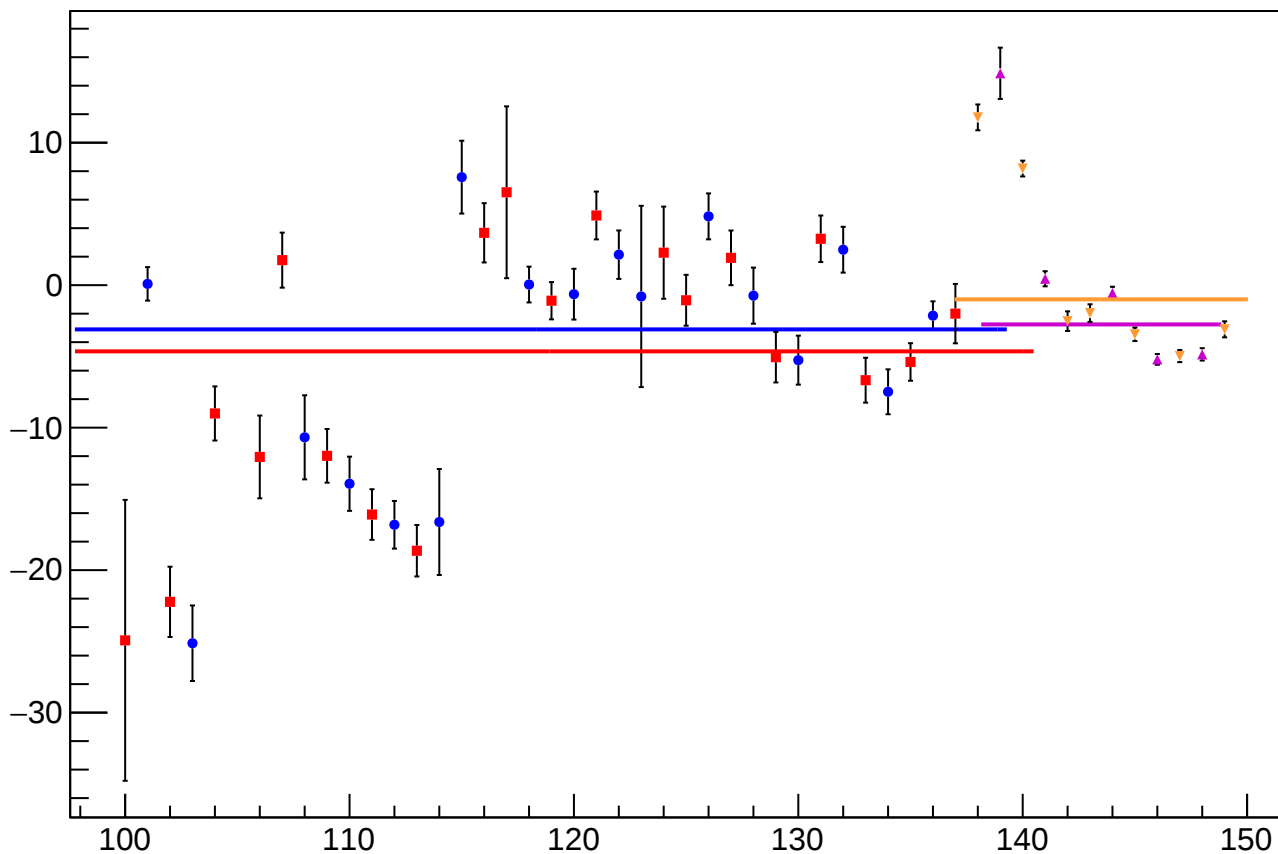
Left Out: -18.491 ± 0.304 χ^2/NDF : 1733.9/6

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

-13.098 ± 0.327 χ^2/NDF : 374.5/4

Left In: -13.098 ± 0.327 χ^2/NDF : 374.5/4

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -0.996 ± 0.212 χ^2/NDF : 607.5/6

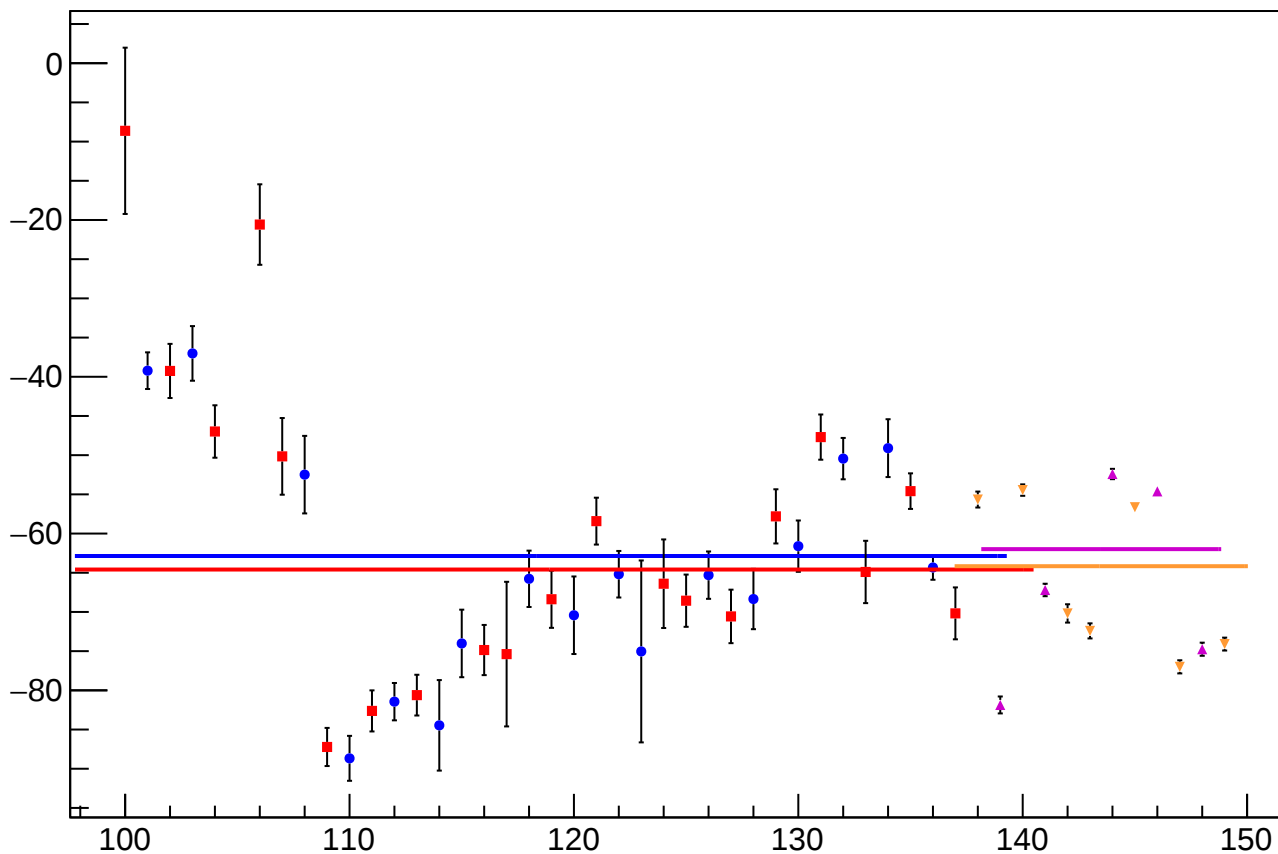
Right Out: -4.645 ± 0.425 χ^2/NDF : 301.1/19

Left In: -2.755 ± 0.216 χ^2/NDF : 223.3/4

-1.438 ± 0.188 χ^2/NDF : 907.4/23

-3.144 ± 0.193 χ^2/NDF : 540.1/24

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -64.164 ± 0.313 χ^2/NDF : 875.9/6

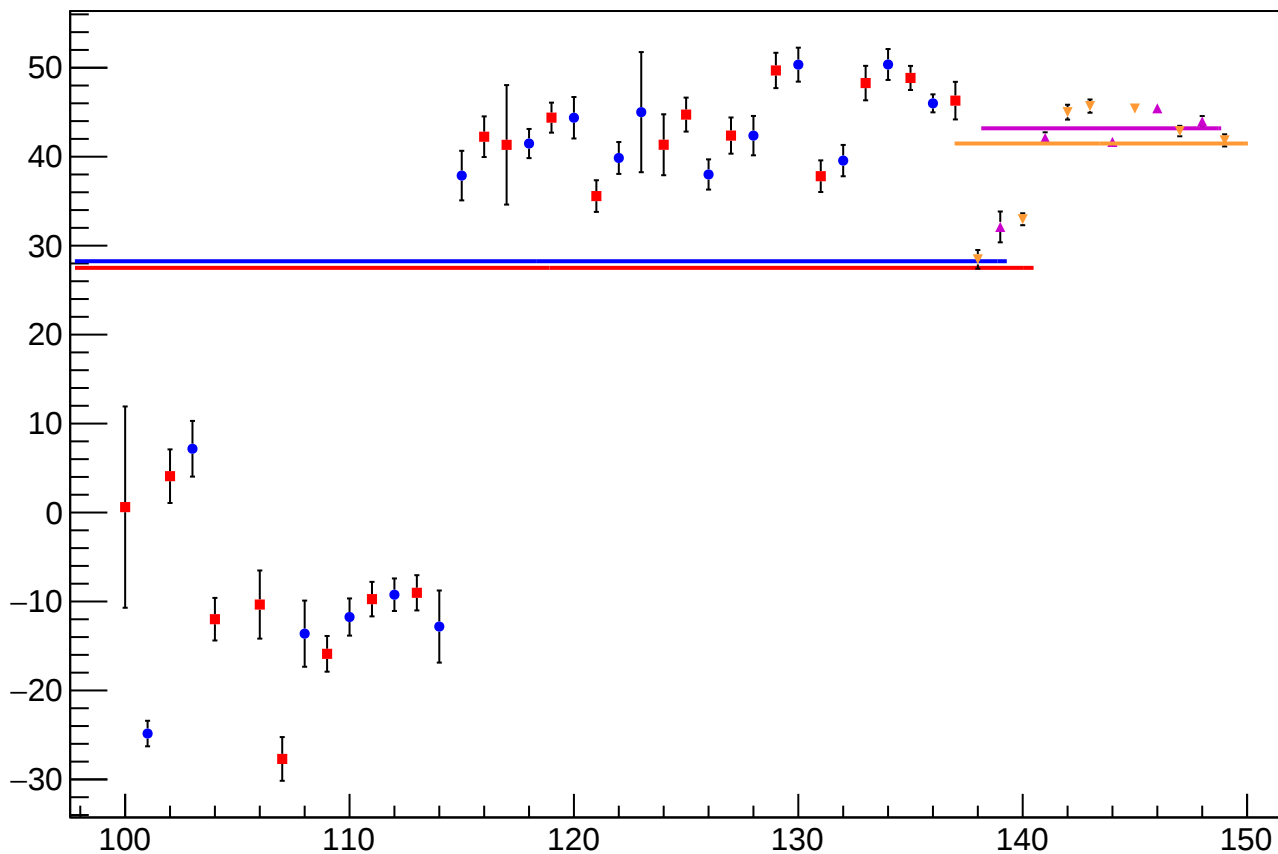
Right Out: -64.588 ± 0.749 χ^2/NDF : 445.6/19

Left In: -61.987 ± 0.332 χ^2/NDF : 983.4/4

-63.966 ± 0.289 χ^2/NDF : 1247.2/23

-62.414 ± 0.304 χ^2/NDF : 1439.1/24

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250+/-0.460 χ^2/NDF : 3319.5/16

Left Out: 41.481+/-0.260 χ^2/NDF : 422.8/6

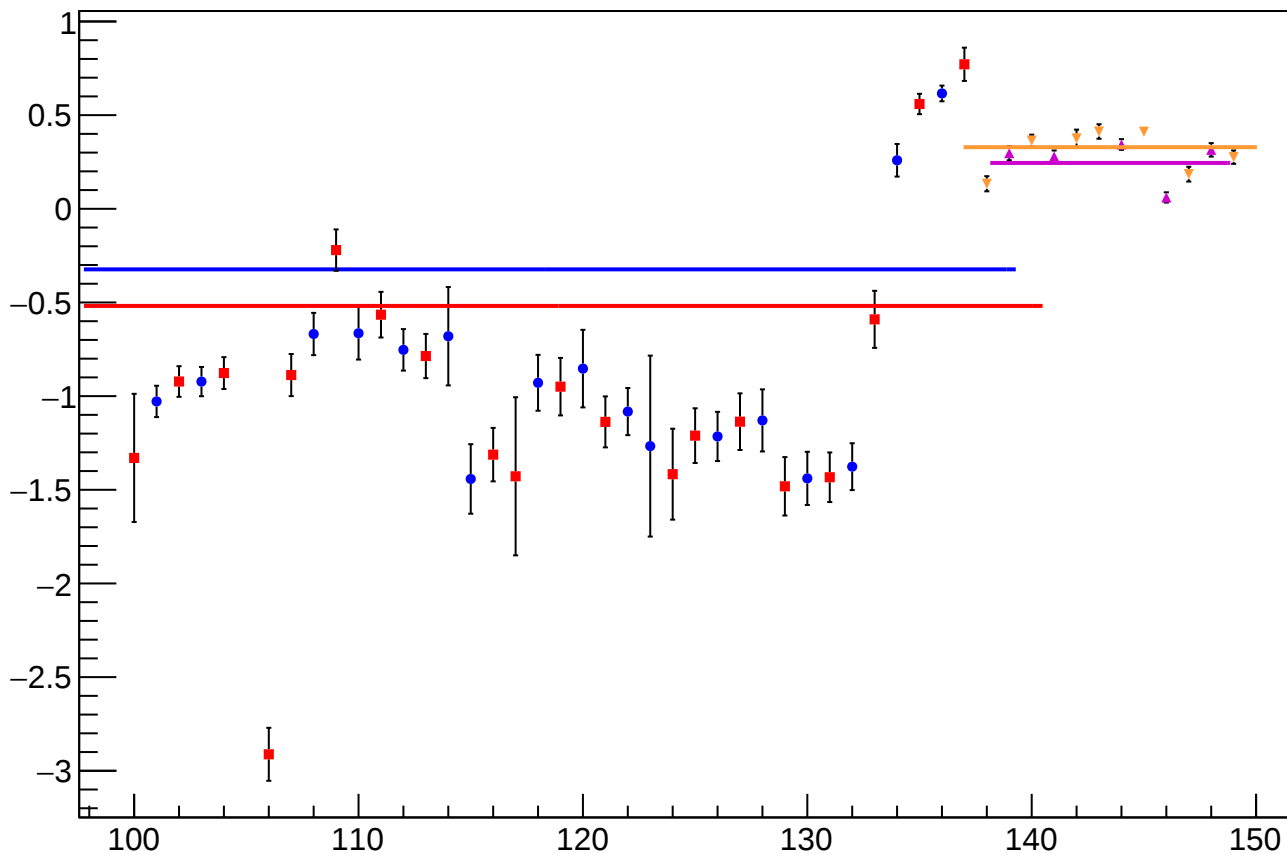
Right Out: 27.505+/-0.478 χ^2/NDF : 3036.7/19

Left In: 43.190+/-0.271 χ^2/NDF : 76.5/4

38.280+/-0.226 χ^2/NDF : 4369.2/23

39.366+/-0.236 χ^2/NDF : 3928.9/24

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.329 ± 0.013 $\chi^2/\text{NDF}: 57.4/6$

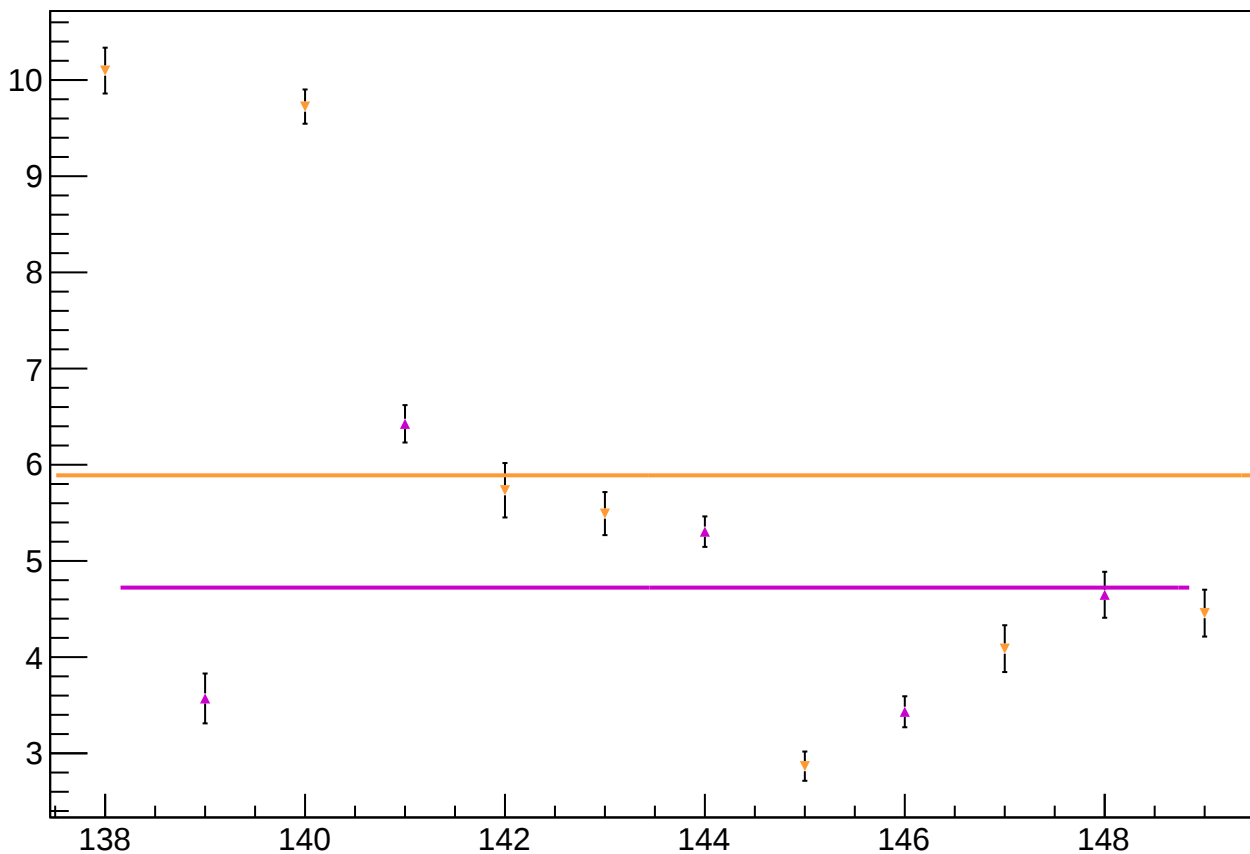
Right Out: -0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

Left In: 0.245 ± 0.014 $\chi^2/\text{NDF}: 63.9/4$

0.189 ± 0.012 $\chi^2/\text{NDF}: 1604.1/23$

0.067 ± 0.012 $\chi^2/\text{NDF}: 1905.6/24$

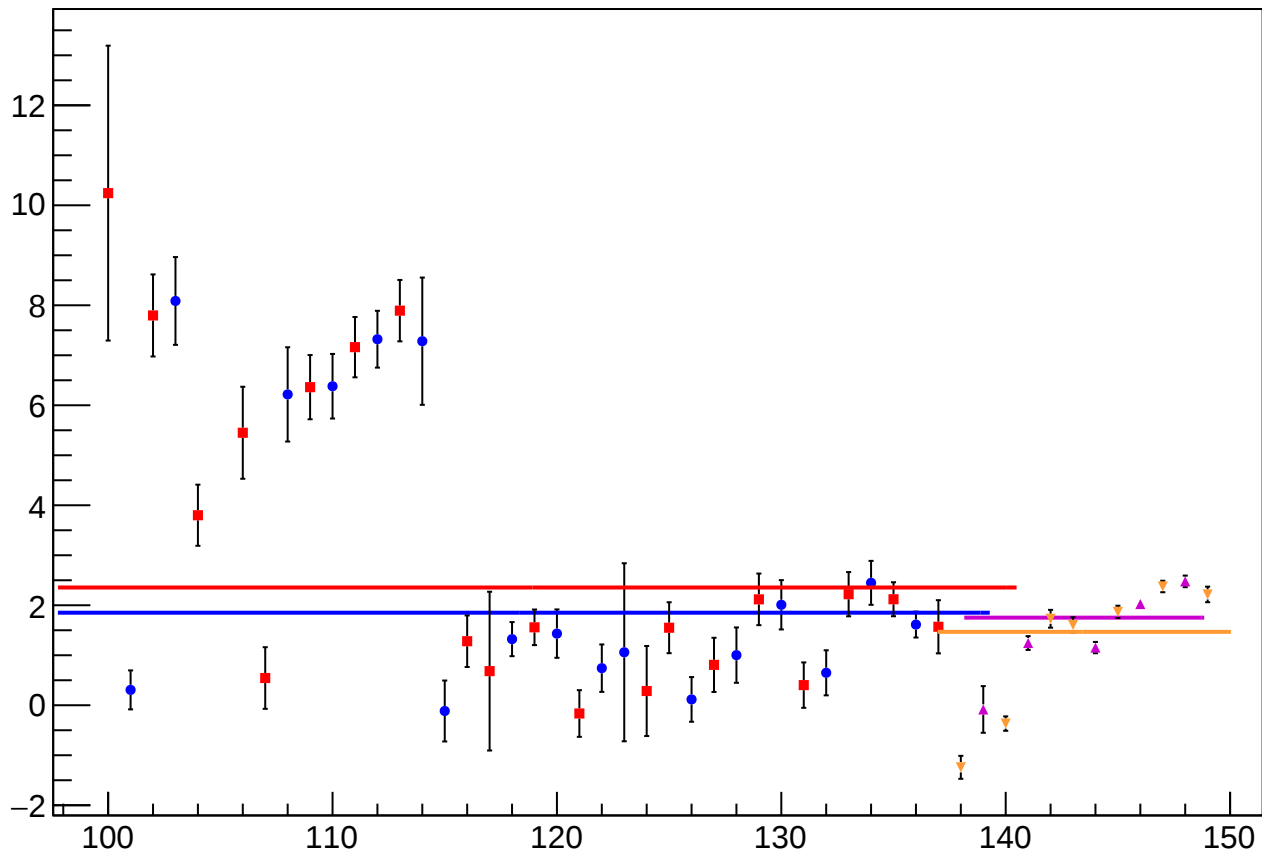
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.890 $\pm$ 0.079 χ^2 /NDF:1263.3/6
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.723 $\pm$ 0.085 χ^2 /NDF:174.2/4

5.890 $\pm$ 0.079 χ^2 /NDF: 1263.3/6
 4.723 $\pm$ 0.085 χ^2 /NDF: 174.2/4

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: 1.469 ± 0.056 χ^2/NDF : 399.6/6

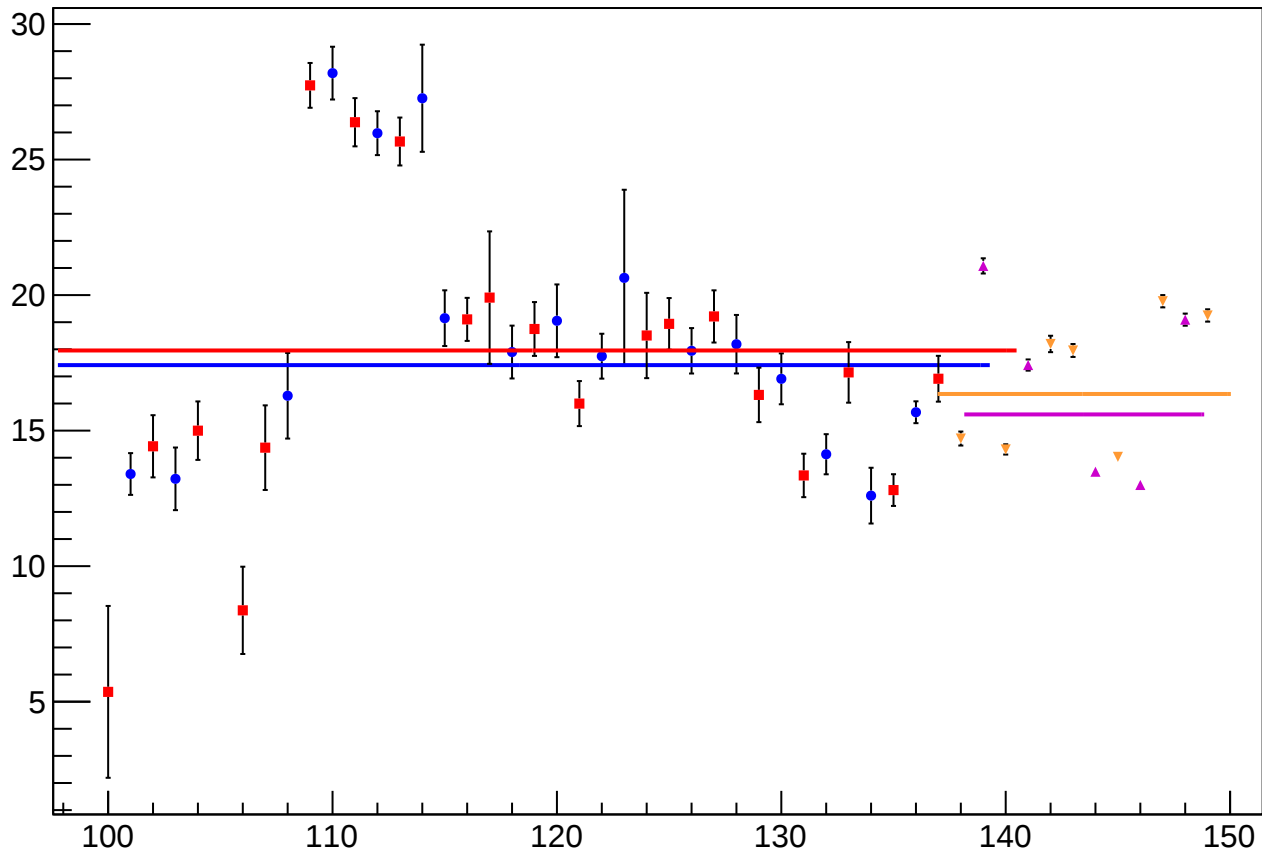
Right Out: 2.355 ± 0.122 χ^2/NDF : 337.4/19

Left In: 1.752 ± 0.056 χ^2/NDF : 103.9/4

1.539 ± 0.050 χ^2/NDF : 702.5/23

1.858 ± 0.051 χ^2/NDF : 461.3/24

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2/NDF : 367.0/16

Left Out: 16.352 $\pm$ 0.082 χ^2/NDF : 833.3/6

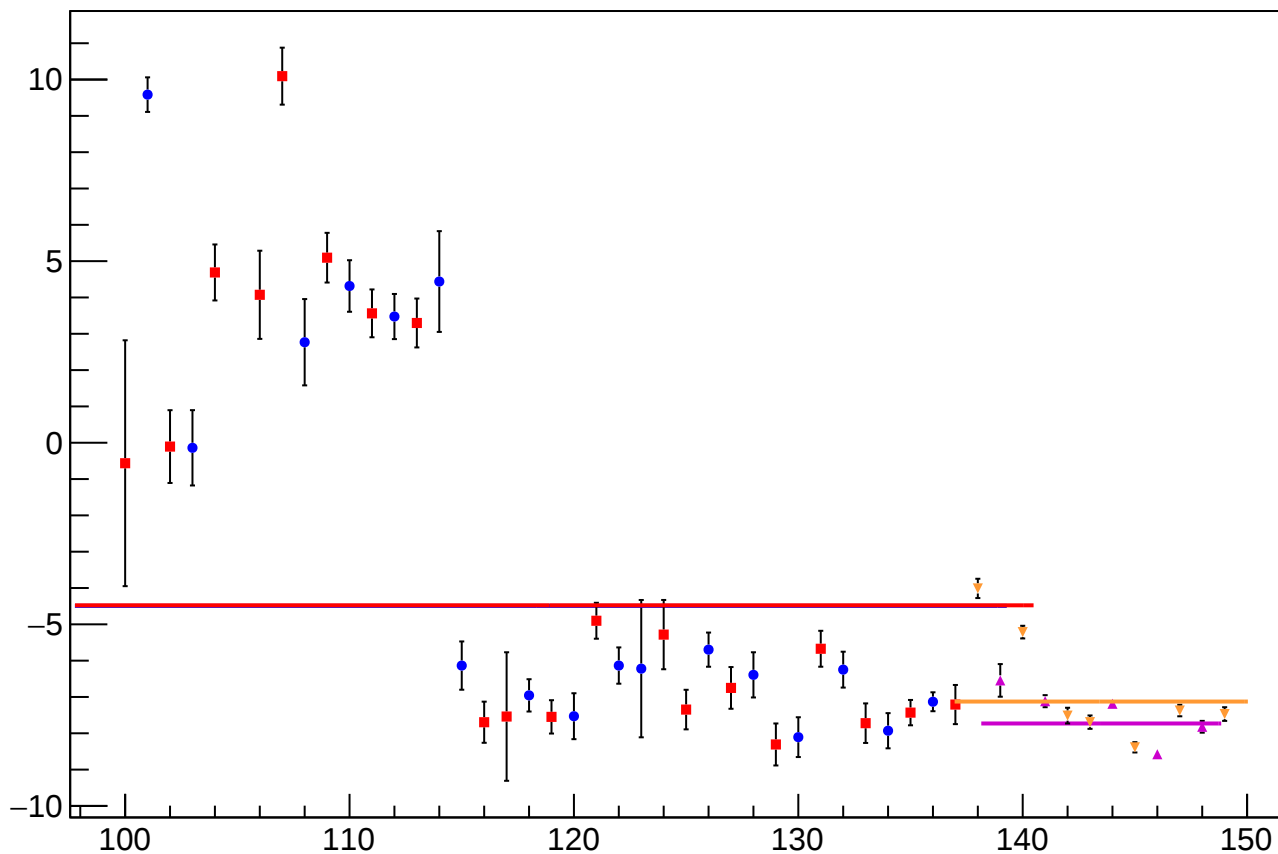
Right Out: 17.957 $\pm$ 0.218 χ^2/NDF : 506.2/19

Left In: 15.597 $\pm$ 0.087 χ^2/NDF : 1140.6/4

16.490 $\pm$ 0.077 χ^2/NDF : 1222.2/23

15.920 $\pm$ 0.081 χ^2/NDF : 1747.7/24

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: -7.126 ± 0.068 χ^2/NDF : 354.8/6

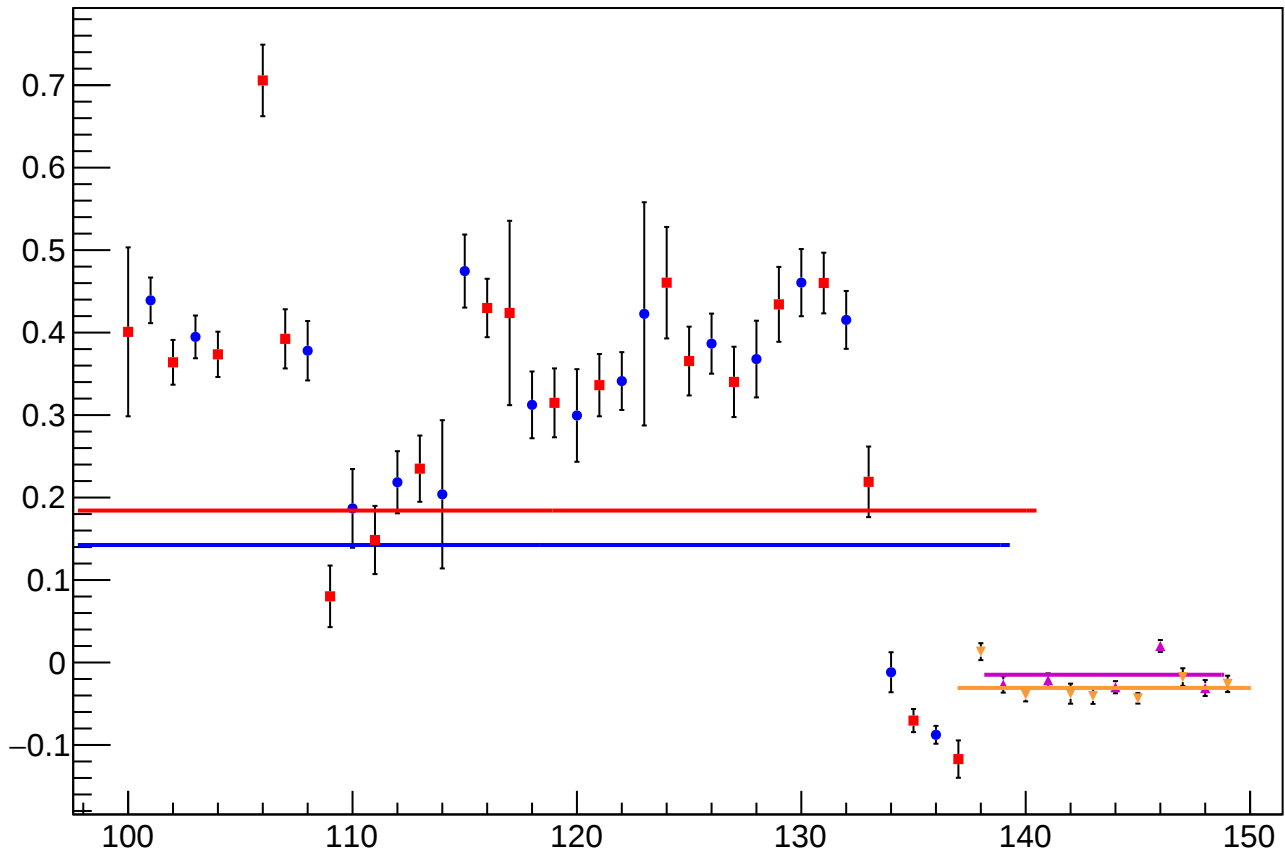
Right Out: -4.476 ± 0.137 χ^2/NDF : 1342.0/19

Left In: -7.730 ± 0.071 χ^2/NDF : 83.8/4

-6.561 ± 0.060 χ^2/NDF : 2260.7/23

-7.041 ± 0.063 χ^2/NDF : 1873.0/24

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: -0.031 ± 0.003 χ^2/NDF : 26.4/6

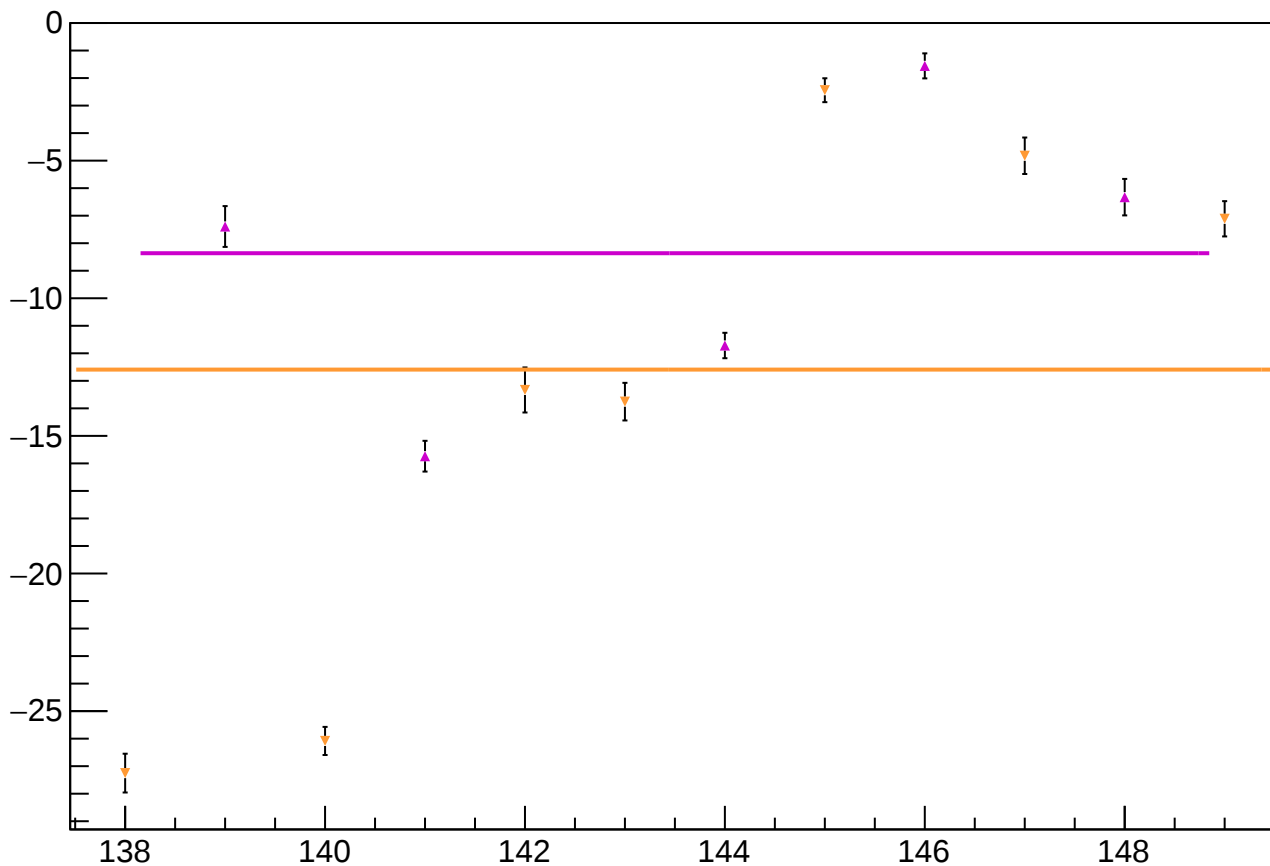
Right Out: 0.184 ± 0.007 χ^2/NDF : 1005.5/19

Left In: -0.015 ± 0.004 χ^2/NDF : 32.4/4

0.002 ± 0.003 χ^2/NDF : 1572.2/23

0.025 ± 0.003 χ^2/NDF : 1617.8/24

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -12.592+/-0.226 χ^2/NDF : 1892.1/6

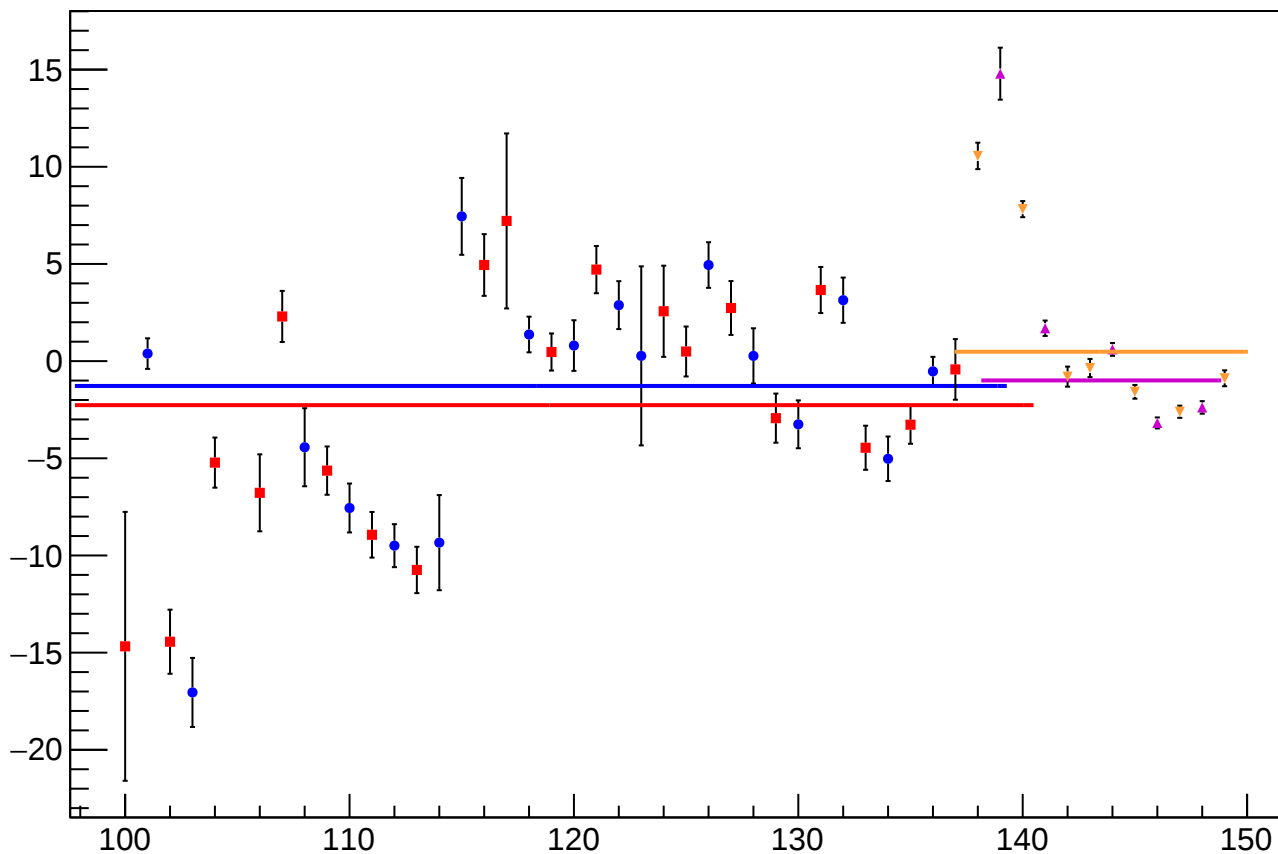
-12.592+/-0.226 χ^2/NDF : 1892.1/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -8.363+/-0.244 χ^2/NDF : 462.5/4

-8.363+/-0.244 χ^2/NDF : 462.5/4

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 $\chi^2/\text{NDF}: 276.5/16$

Left Out: 0.483 ± 0.157 $\chi^2/\text{NDF}: 683.7/6$

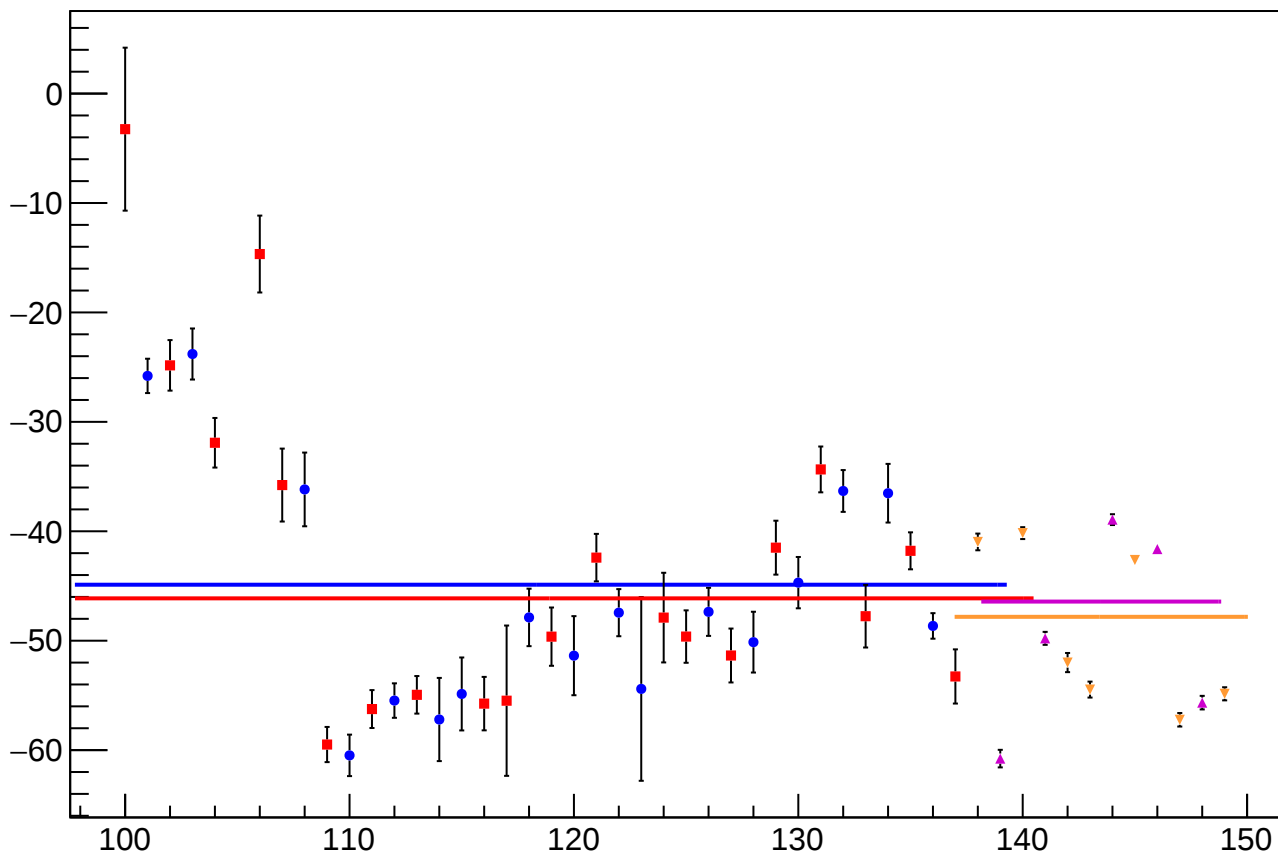
Right Out: -2.266 ± 0.302 $\chi^2/\text{NDF}: 289.8/19$

Left In: -0.994 ± 0.162 $\chi^2/\text{NDF}: 287.0/4$

0.088 ± 0.139 $\chi^2/\text{NDF}: 988.3/23$

-1.278 ± 0.143 $\chi^2/\text{NDF}: 590.6/24$

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -47.818 ± 0.233 χ^2/NDF : 880.7/6

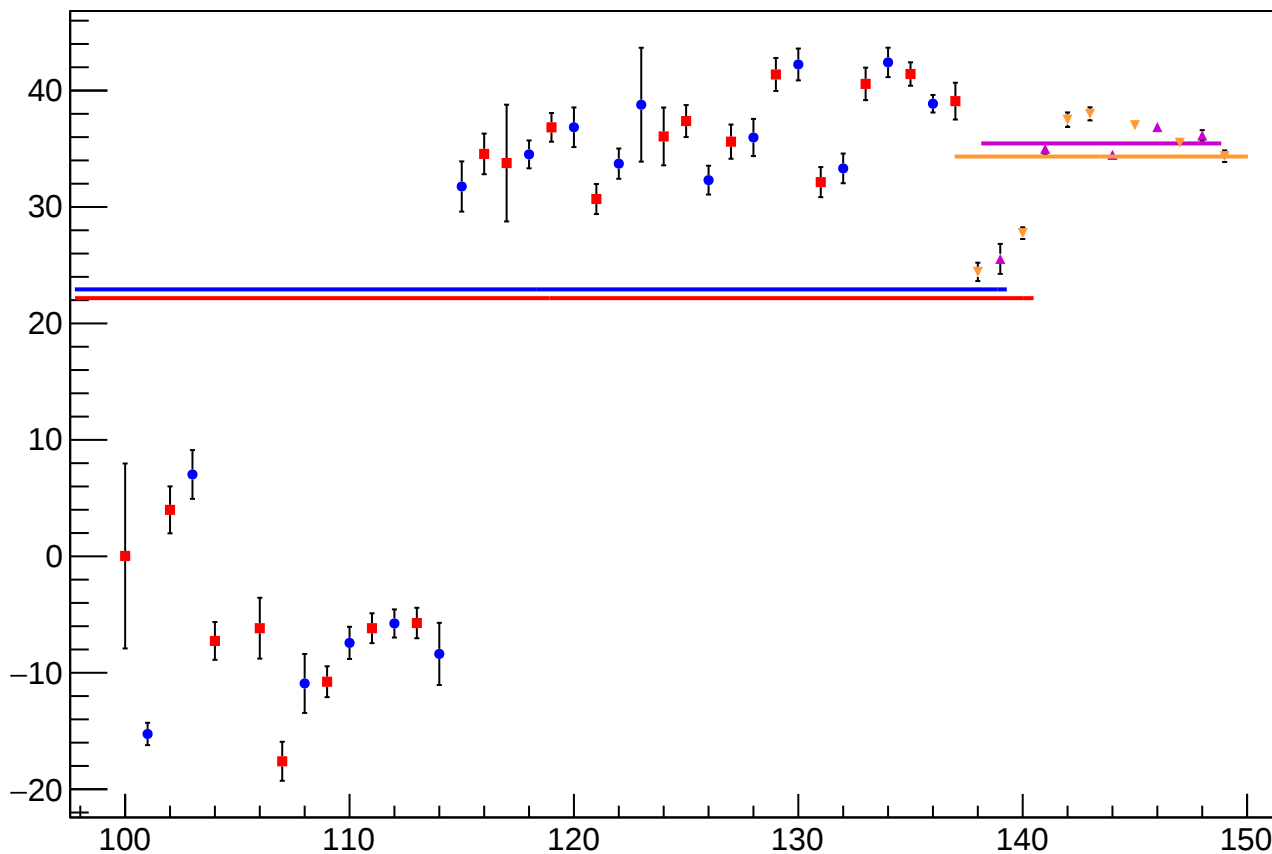
Right Out: -46.130 ± 0.527 χ^2/NDF : 456.1/19

Left In: -46.425 ± 0.248 χ^2/NDF : 923.0/4

-47.333 ± 0.213 χ^2/NDF : 1327.9/23

-46.371 ± 0.224 χ^2/NDF : 1379.4/24

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926+/-0.328 χ^2 /NDF: 4330.2/16

Left Out: 34.334+/-0.193 χ^2 /NDF:449.9/6

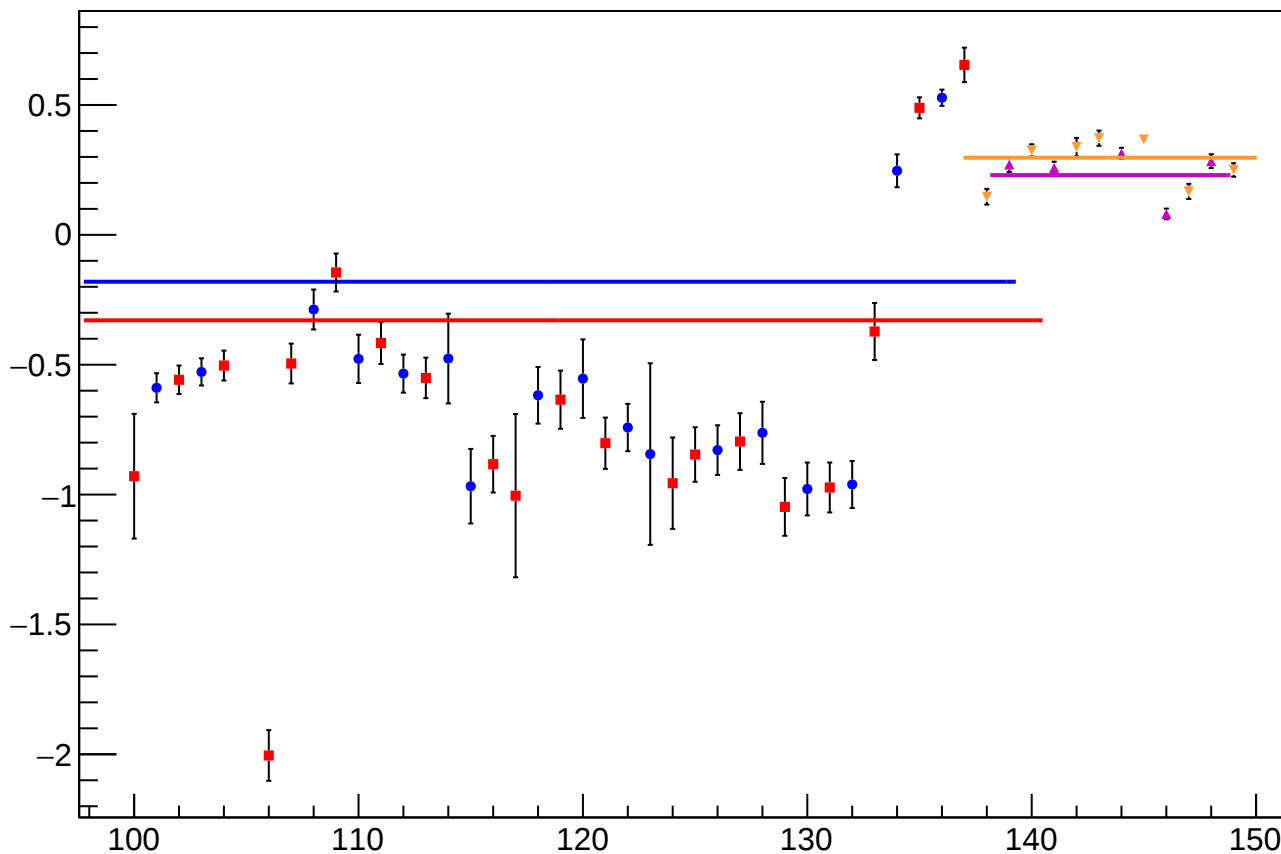
Right Out: 22.170+/-0.339 χ^2 /NDF: 4038.8/19

Left In: 35.460+/-0.203 χ^2 /NDF:84.5/4

31.392+/-0.167 χ^2 /NDF: 5677.4/23

31.966+/-0.174 χ^2 /NDF: 5254.9/24

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.297 ± 0.010 χ^2/NDF : 72.2/6

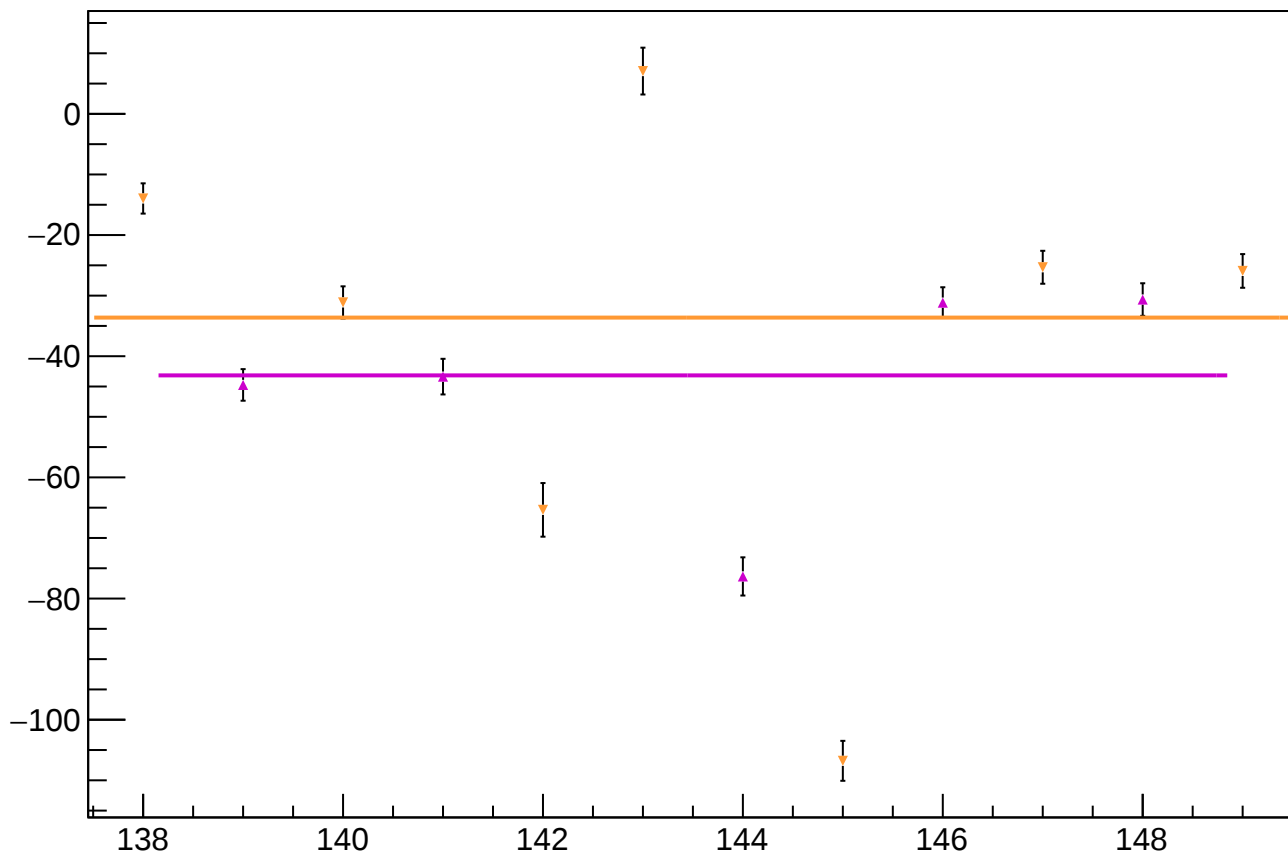
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.230 ± 0.011 χ^2/NDF : 76.3/4

0.187 ± 0.009 χ^2/NDF : 1623.5/23

0.089 ± 0.009 χ^2/NDF : 1964.3/24

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -33.625+/-1.134 χ^2/NDF : 734.7/6

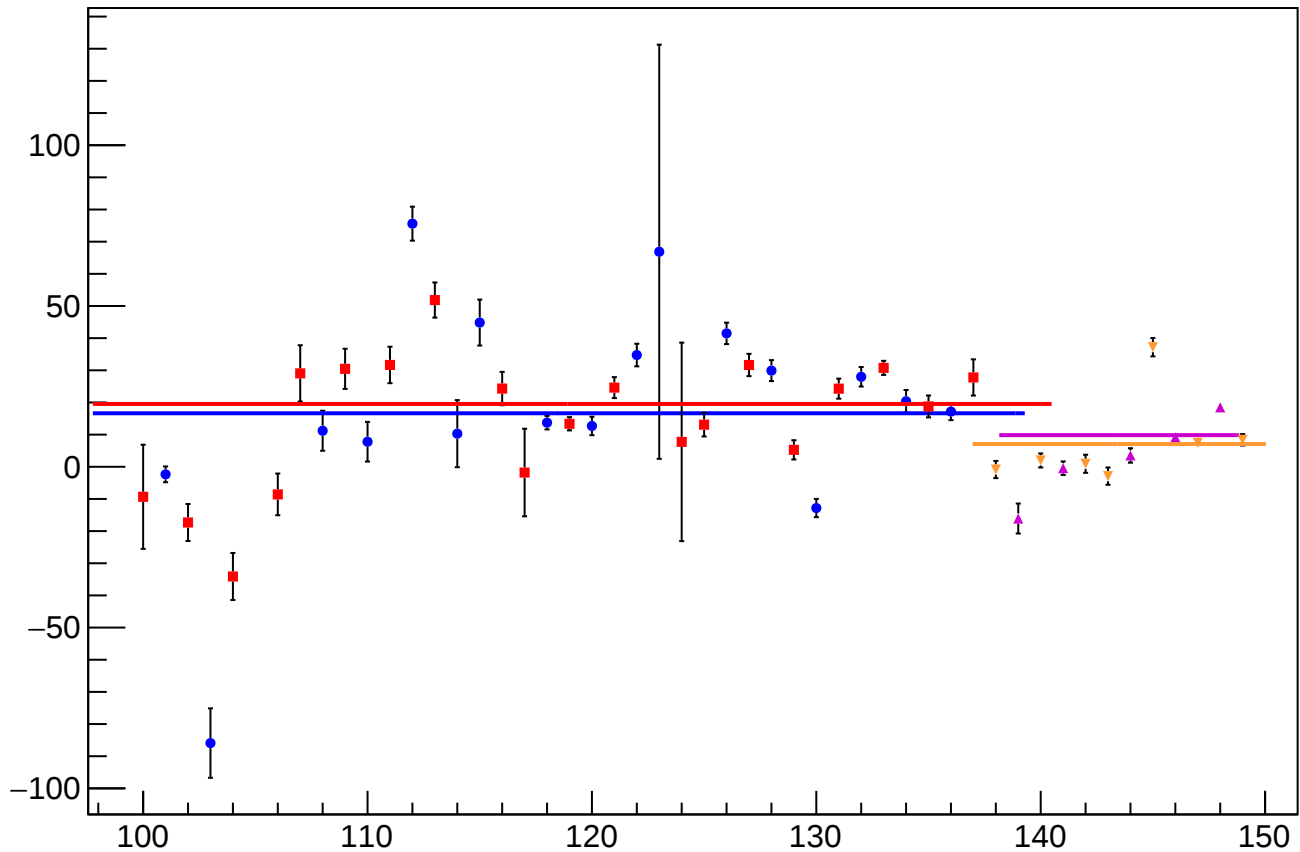
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -43.165+/-1.234 χ^2/NDF : 155.2/4

-33.625+/-1.134 χ^2/NDF : 734.7/6

-43.165+/-1.234 χ^2/NDF : 155.2/4

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 7.066 ± 0.779 χ^2/NDF : 144.5/6

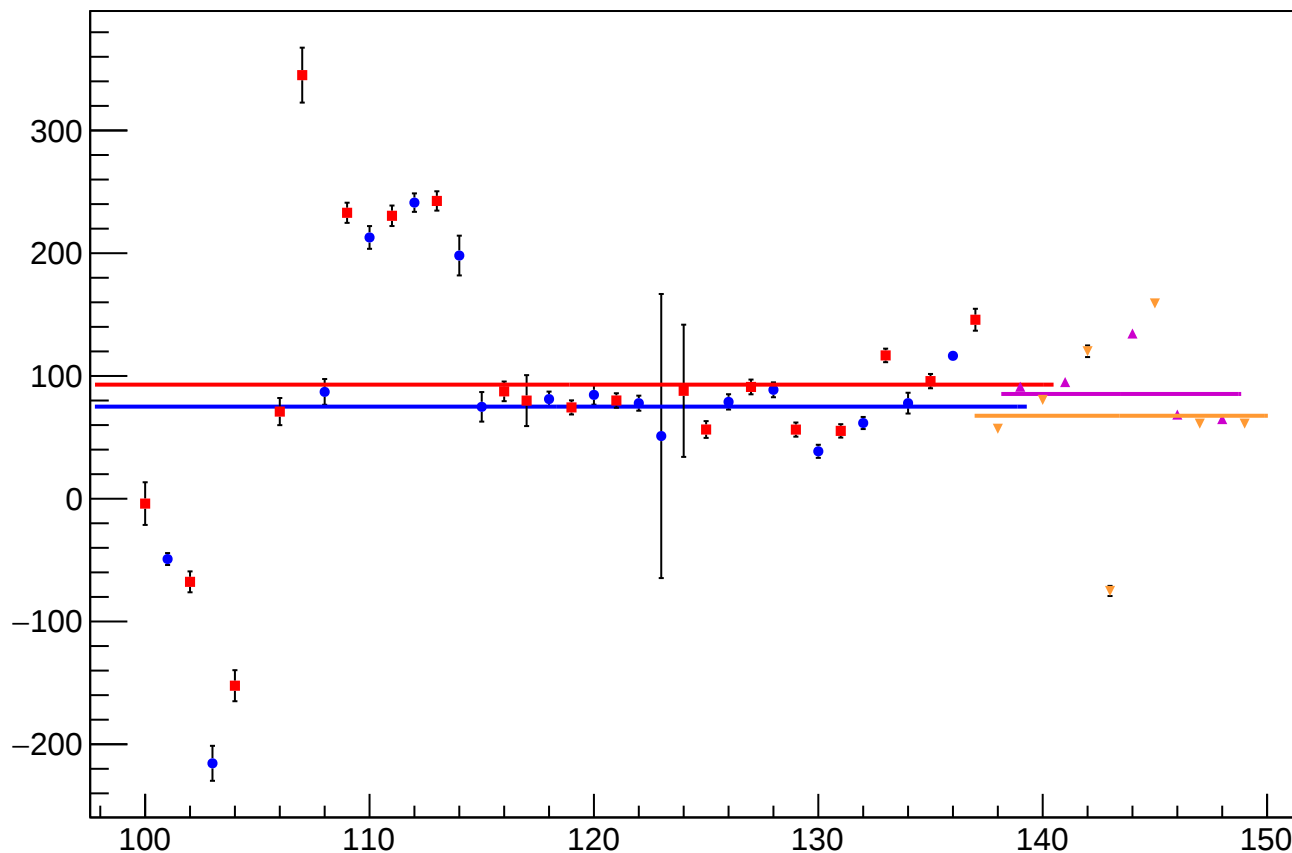
Right Out: 19.540 ± 0.894 χ^2/NDF : 244.1/19

Left In: 9.843 ± 0.814 χ^2/NDF : 106.6/4

11.387 ± 0.577 χ^2/NDF : 731.6/23

14.234 ± 0.602 χ^2/NDF : 415.0/24

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 67.592 $\pm$ 1.152 χ^2 /NDF: 2082.4/6

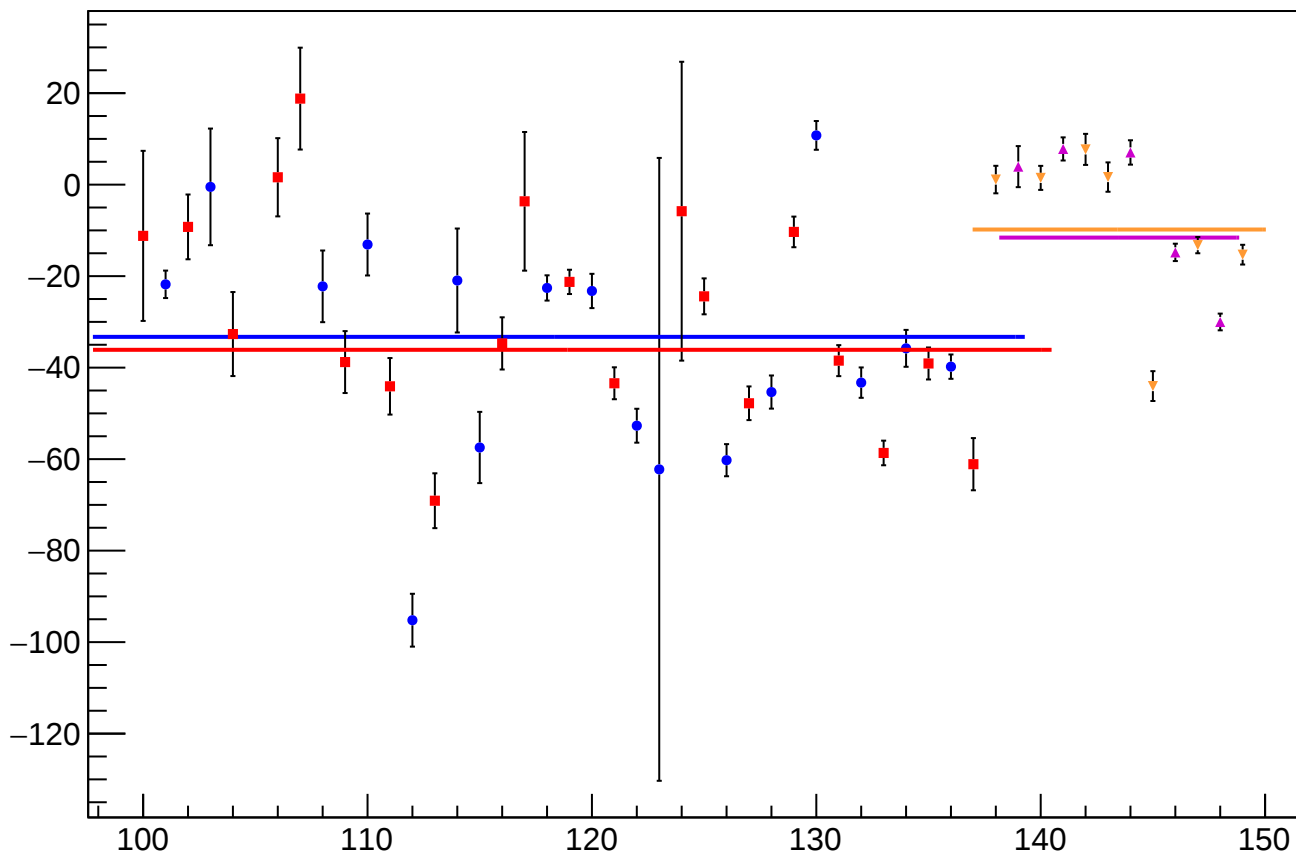
Right Out: 92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

Left In: 85.346 $\pm$ 1.248 χ^2 /NDF: 341.1/4

70.037 $\pm$ 0.944 χ^2 /NDF: 4095.8/23

87.993 $\pm$ 1.007 χ^2 /NDF: 2358.0/24

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -9.809 ± 0.969 $\chi^2/\text{NDF}: 191.4/6$

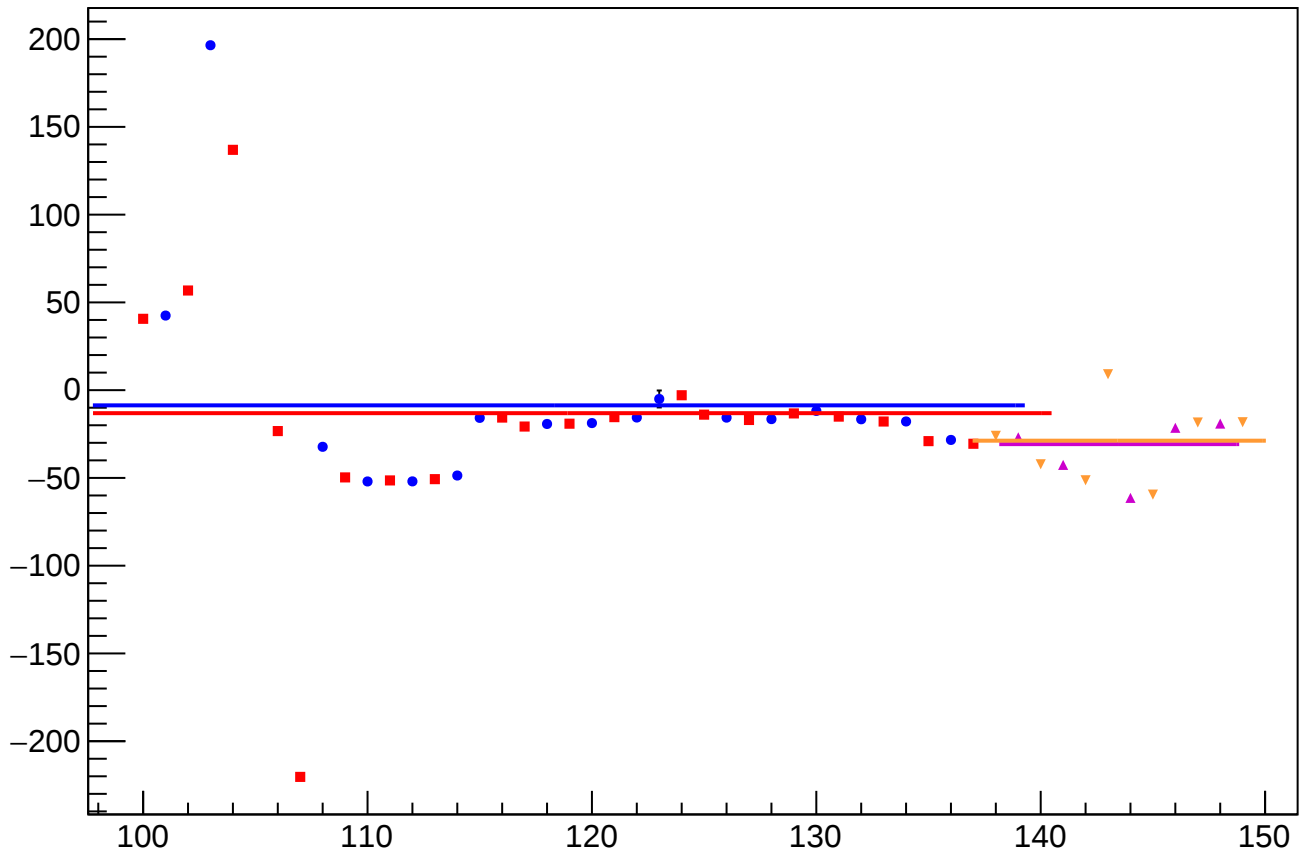
Right Out: -36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

Left In: -11.575 ± 1.040 $\chi^2/\text{NDF}: 224.3/4$

-21.386 ± 0.690 $\chi^2/\text{NDF}: 970.0/23$

-24.060 ± 0.729 $\chi^2/\text{NDF}: 809.5/24$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -28.787 ± 0.049 χ^2/NDF : 147219.0/6

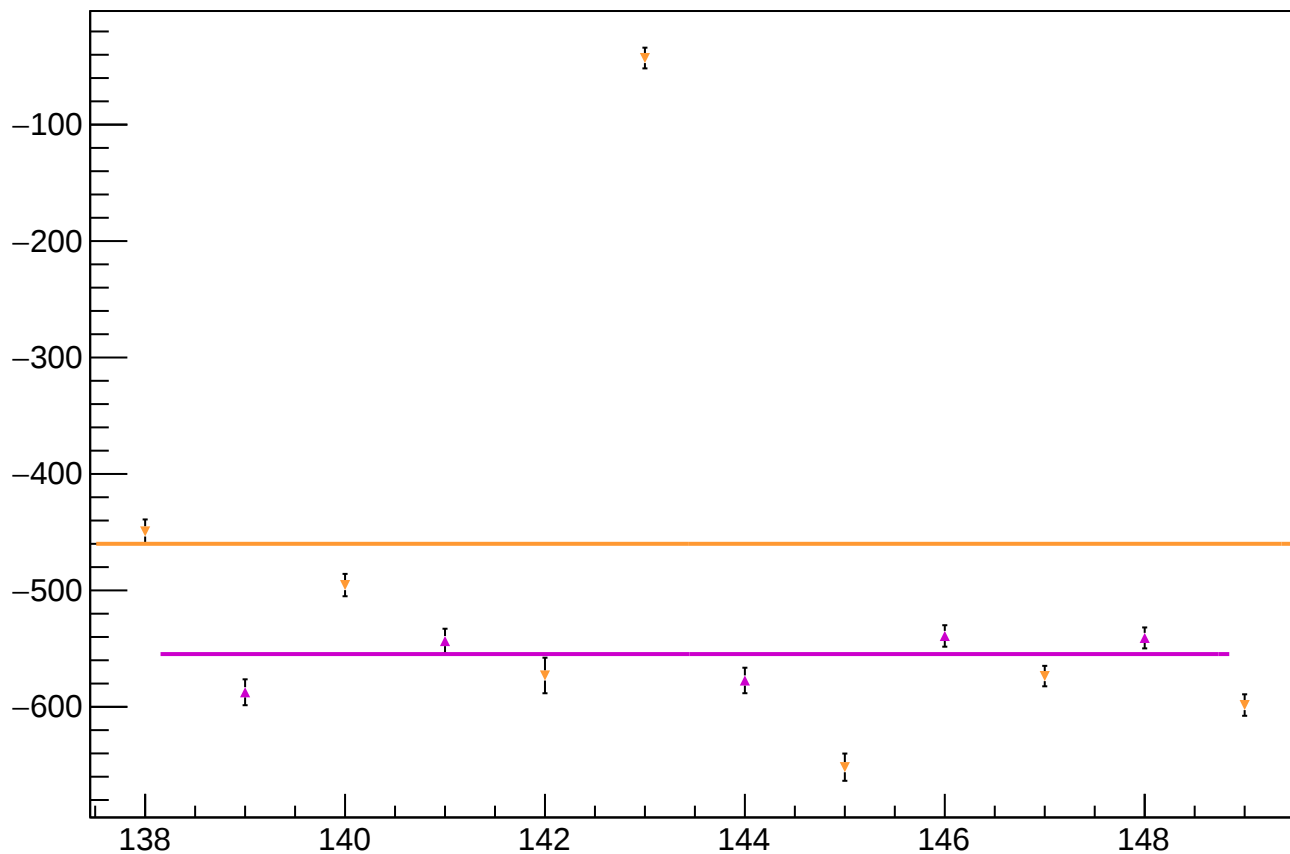
Right Out: -13.109 ± 0.062 χ^2/NDF : 558383.6/19

Left In: -30.747 ± 0.052 χ^2/NDF : 72061.4/4

-20.673 ± 0.038 χ^2/NDF : 792253.5/23

-23.499 ± 0.040 χ^2/NDF : 678587.5/24

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -459.984+/-3.801 χ^2/NDF : 2928.1/6

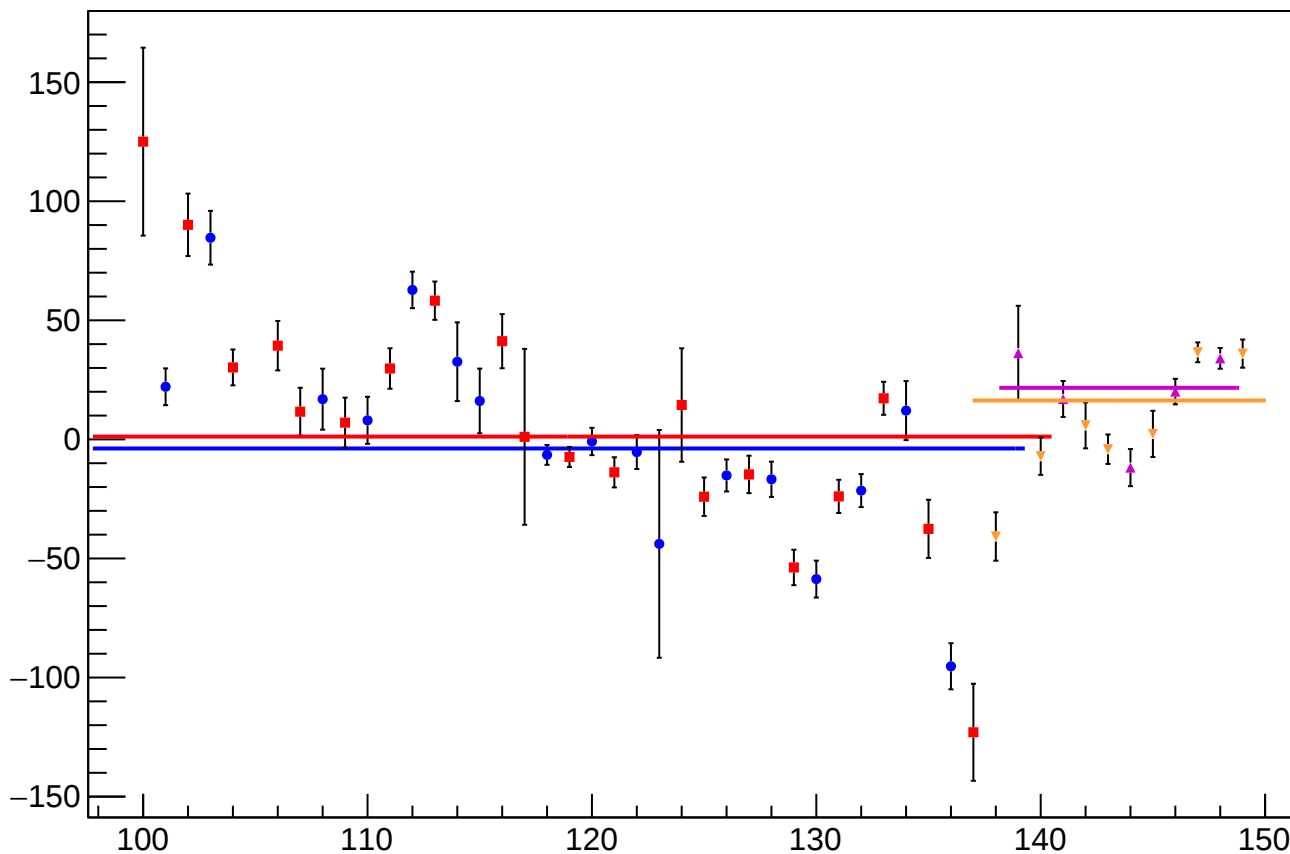
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -554.679+/-4.495 χ^2/NDF : 19.3/4

-459.984+/-3.801 χ^2/NDF : 2928.1/6

-554.679+/-4.495 χ^2/NDF : 19.3/4

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 16.356 ± 2.502 χ^2/NDF : 89.4/6

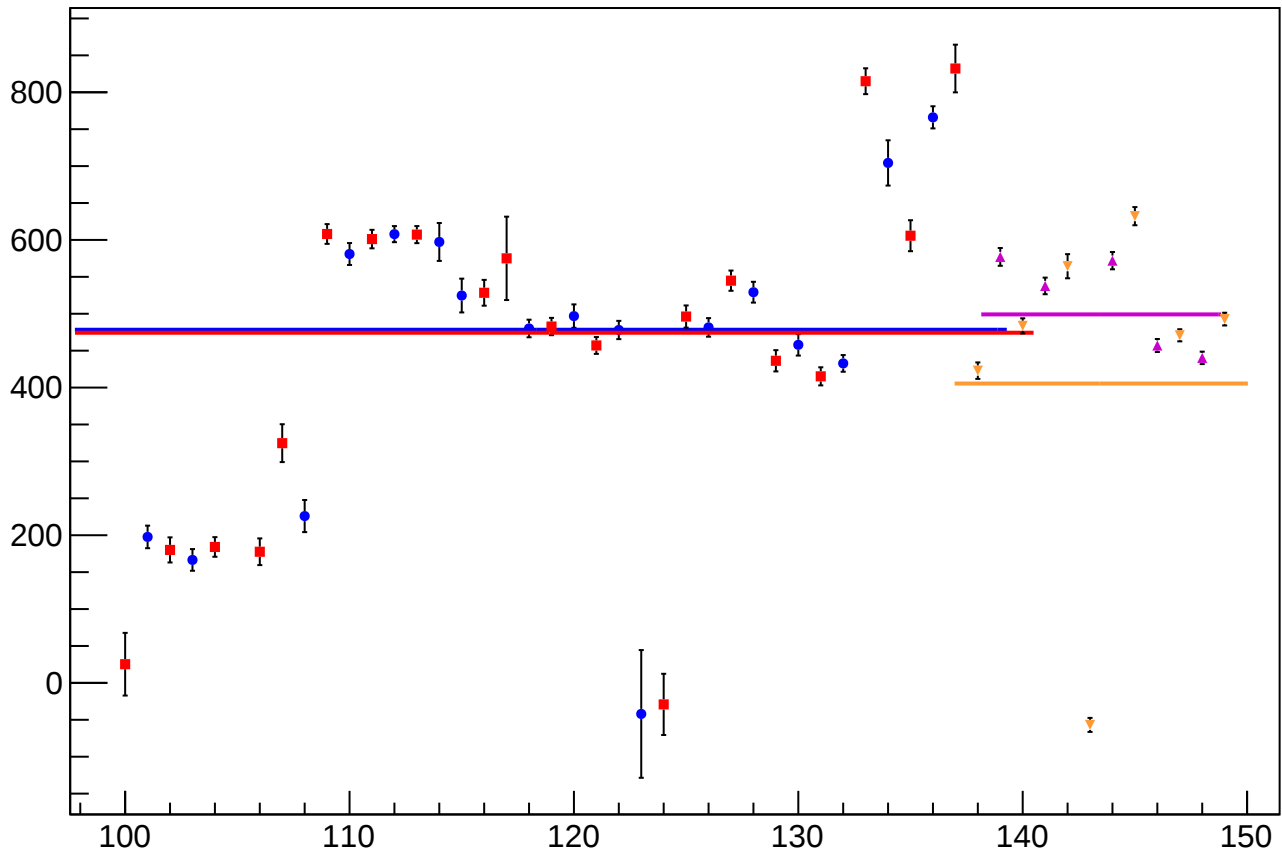
Right Out: 1.175 ± 1.911 χ^2/NDF : 303.9/19

Left In: 21.658 ± 2.838 χ^2/NDF : 27.5/4

3.675 ± 1.525 χ^2/NDF : 444.5/23

7.567 ± 1.585 χ^2/NDF : 367.3/24

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 ± 3.662 χ^2/NDF : 1628.8/16

Left Out: 405.471 ± 3.854 χ^2/NDF : 3029.8/6

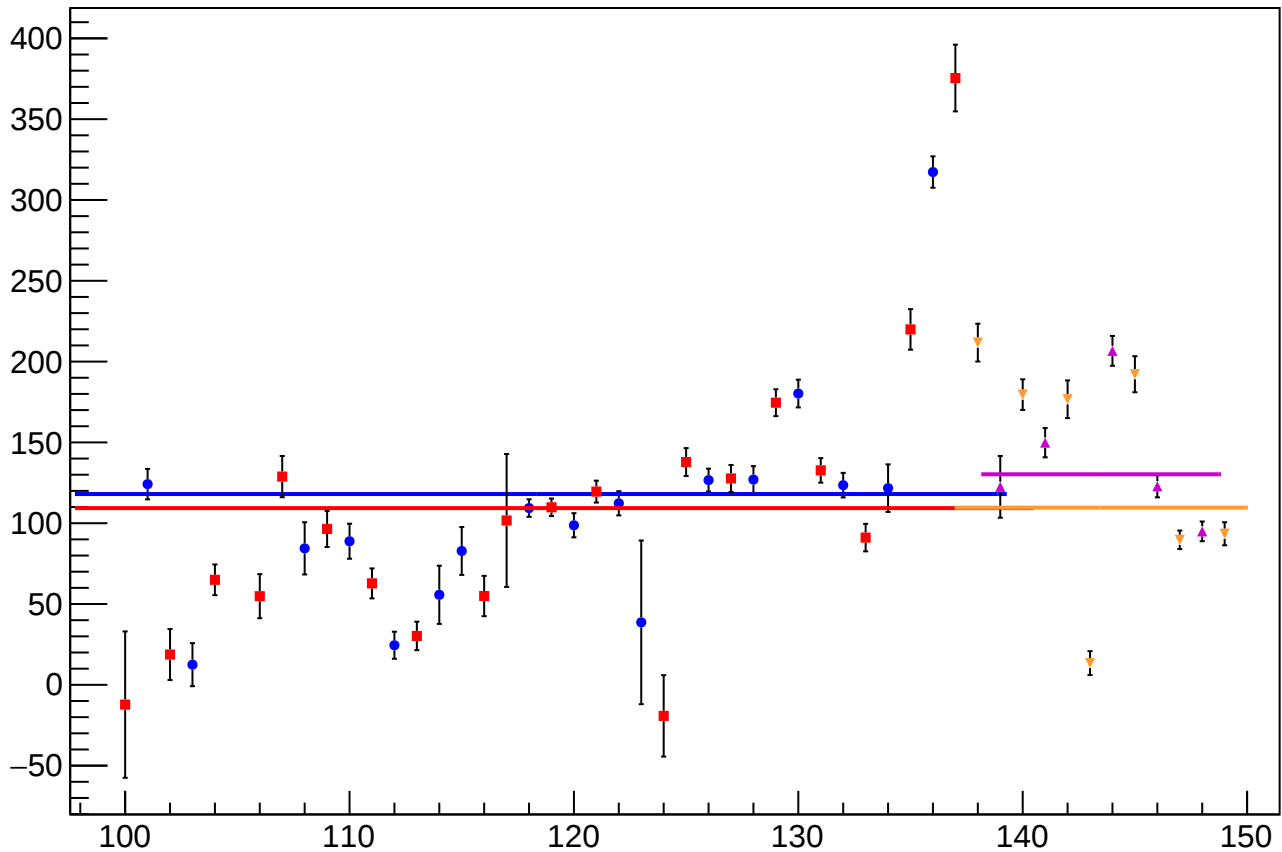
Right Out: 474.296 ± 3.524 χ^2/NDF : 2288.2/19

Left In: 499.120 ± 4.515 χ^2/NDF : 163.9/4

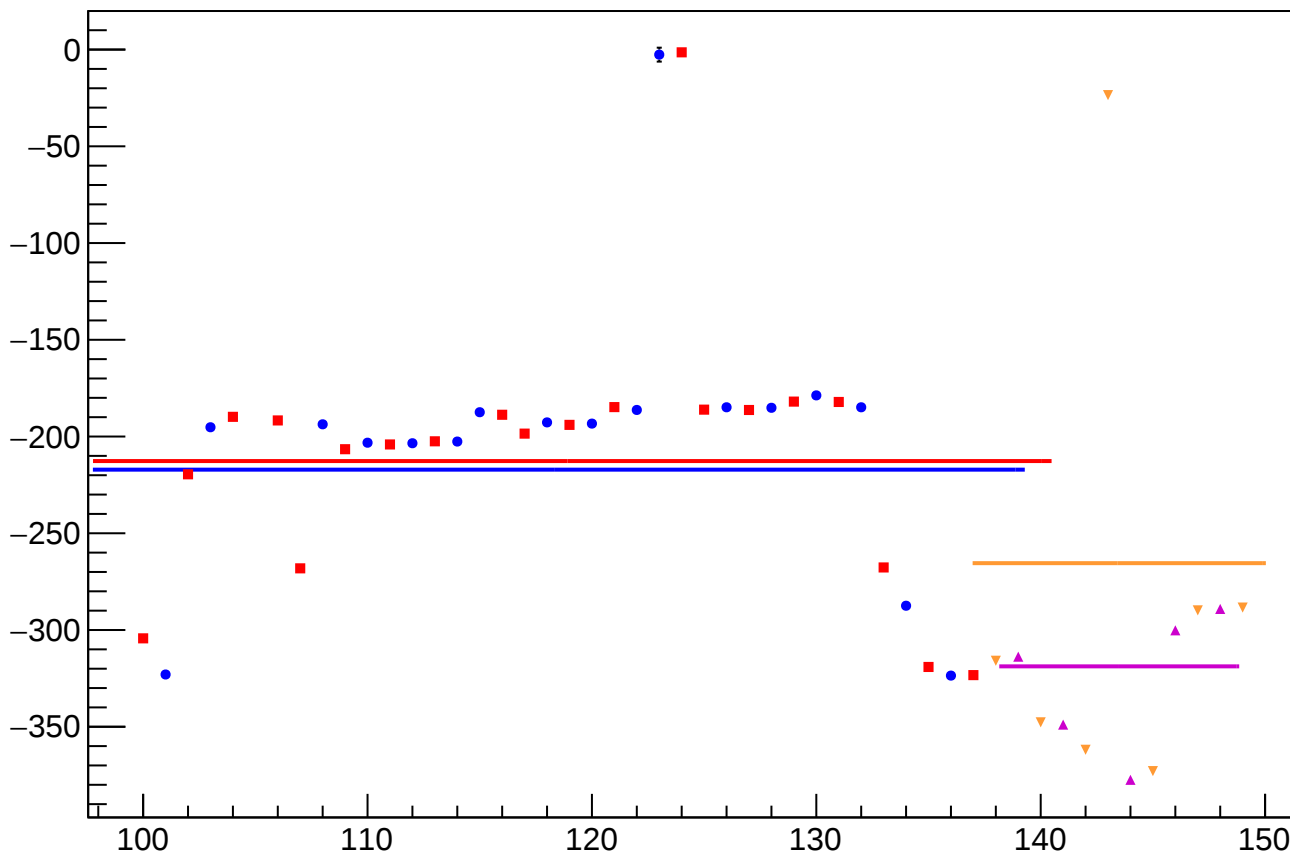
443.763 ± 2.655 χ^2/NDF : 4846.5/23

483.694 ± 2.778 χ^2/NDF : 2470.8/24

reg_asym_atl2_diff_bpm4eY_slope vs Slug



reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 $\pm$ 0.137 χ^2/NDF : 146559.7/16

Left Out: -265.451 $\pm$ 0.164 χ^2/NDF : 530082.0/6

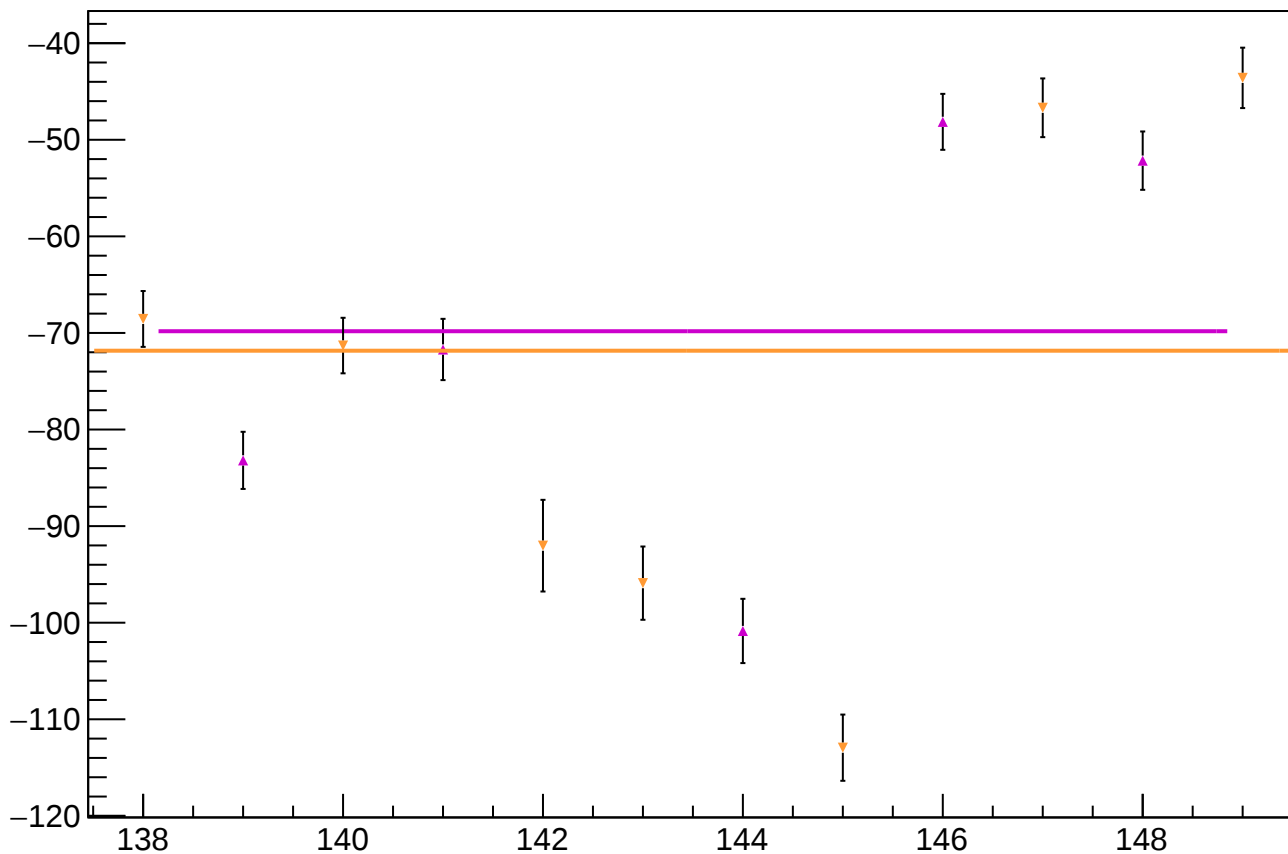
Right Out: -212.679 $\pm$ 0.130 χ^2/NDF : 115596.4/19

Left In: -318.784 $\pm$ 0.189 χ^2/NDF : 26451.9/4

-236.972 $\pm$ 0.105 χ^2/NDF : 728078.6/23

-246.717 $\pm$ 0.107 χ^2/NDF : 355711.0/24

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -71.839+/-1.240 χ^2/NDF : 353.4/6

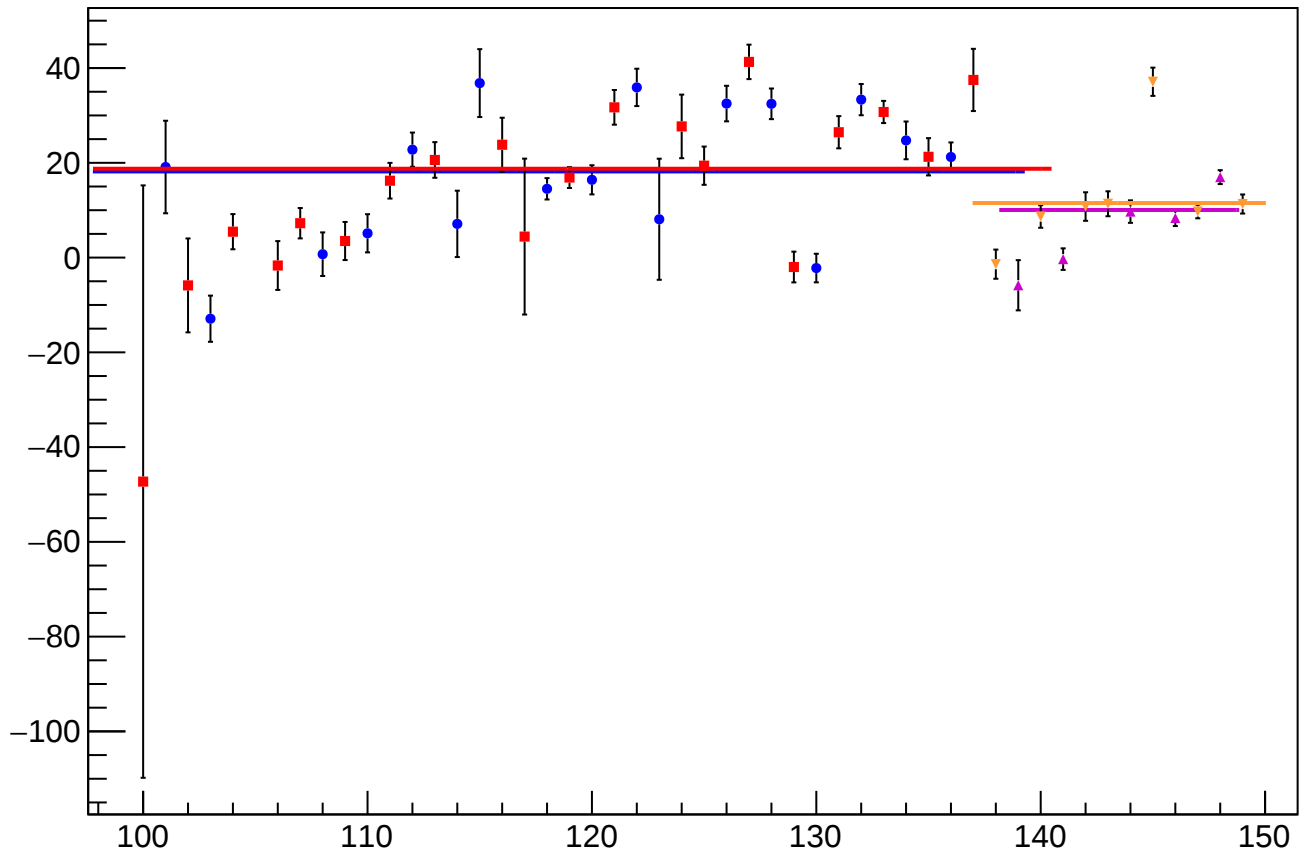
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -69.822+/-1.370 χ^2/NDF : 198.0/4

-71.839+/-1.240 χ^2/NDF : 353.4/6

-69.822+/-1.370 χ^2/NDF : 198.0/4

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 11.516 $\pm$ 0.852 χ^2 /NDF: 94.3/6

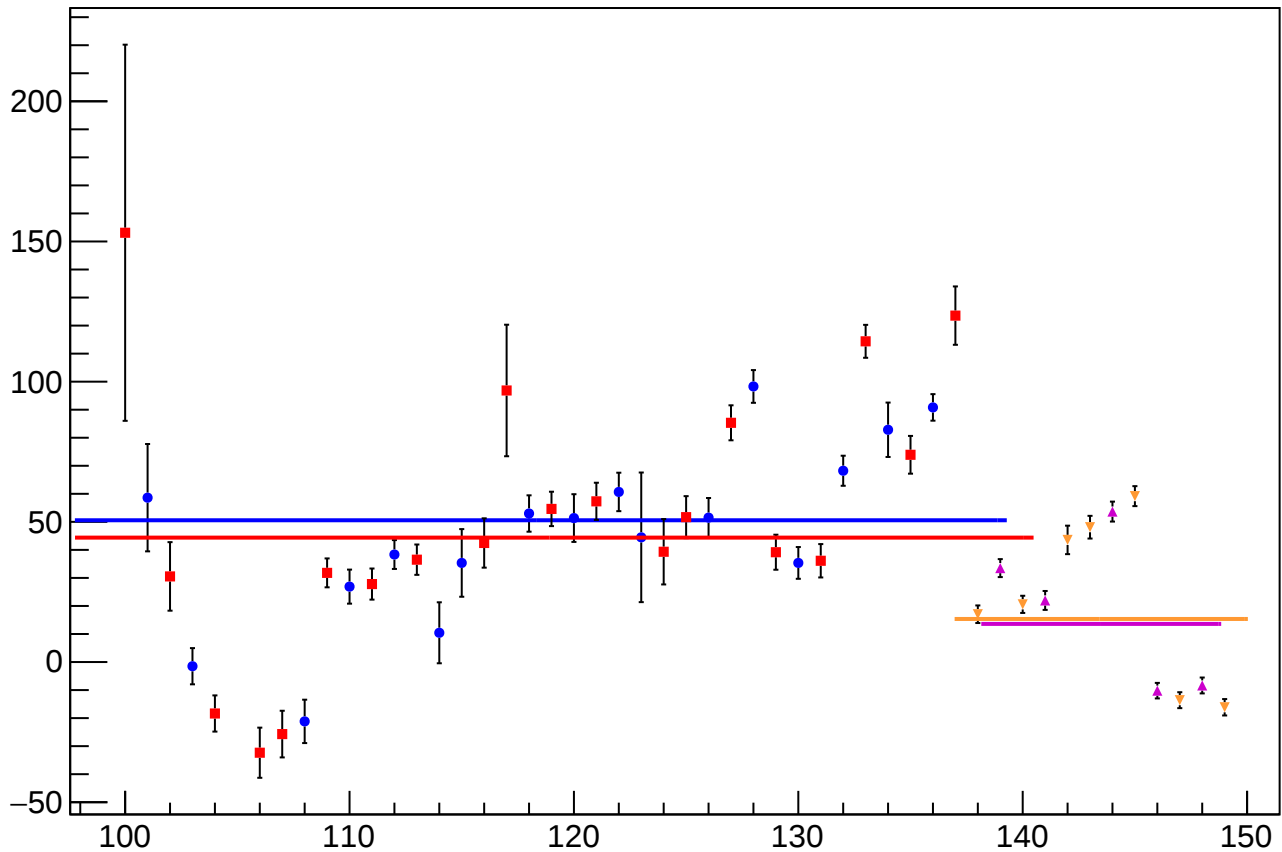
Right Out: 18.752 $\pm$ 0.862 χ^2 /NDF: 199.5/19

Left In: 10.050 $\pm$ 0.908 χ^2 /NDF: 53.1/4

14.608 $\pm$ 0.624 χ^2 /NDF: 327.6/23

14.630 $\pm$ 0.625 χ^2 /NDF: 300.9/24

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 ± 1.678 χ^2/NDF : 357.9/16

Left Out: 15.361 ± 1.262 χ^2/NDF : 470.8/6

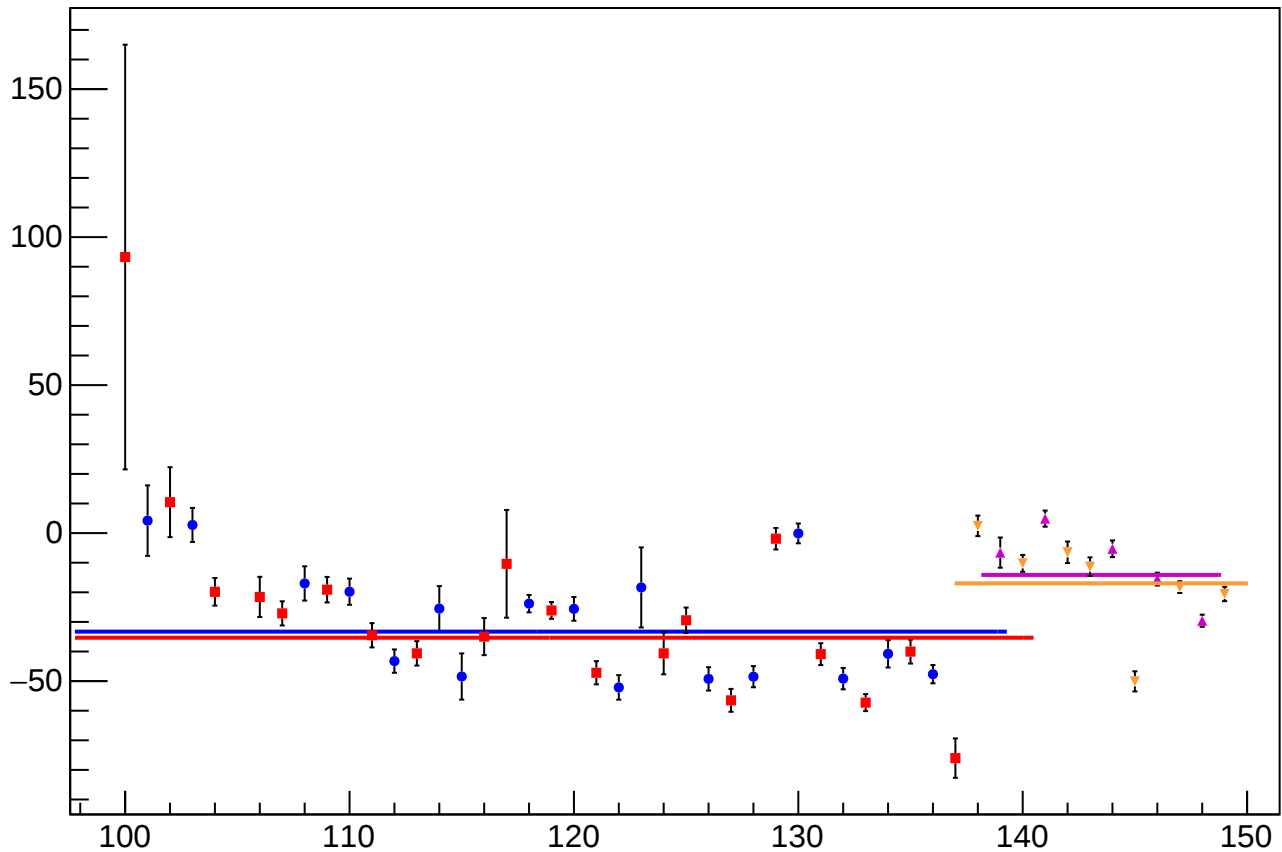
Right Out: 44.377 ± 1.599 χ^2/NDF : 537.6/19

Left In: 13.600 ± 1.388 χ^2/NDF : 305.4/4

28.083 ± 1.008 χ^2/NDF : 1110.0/23

26.827 ± 1.048 χ^2/NDF : 1054.3/24

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.972 ± 1.059 χ^2/NDF : 146.1/6

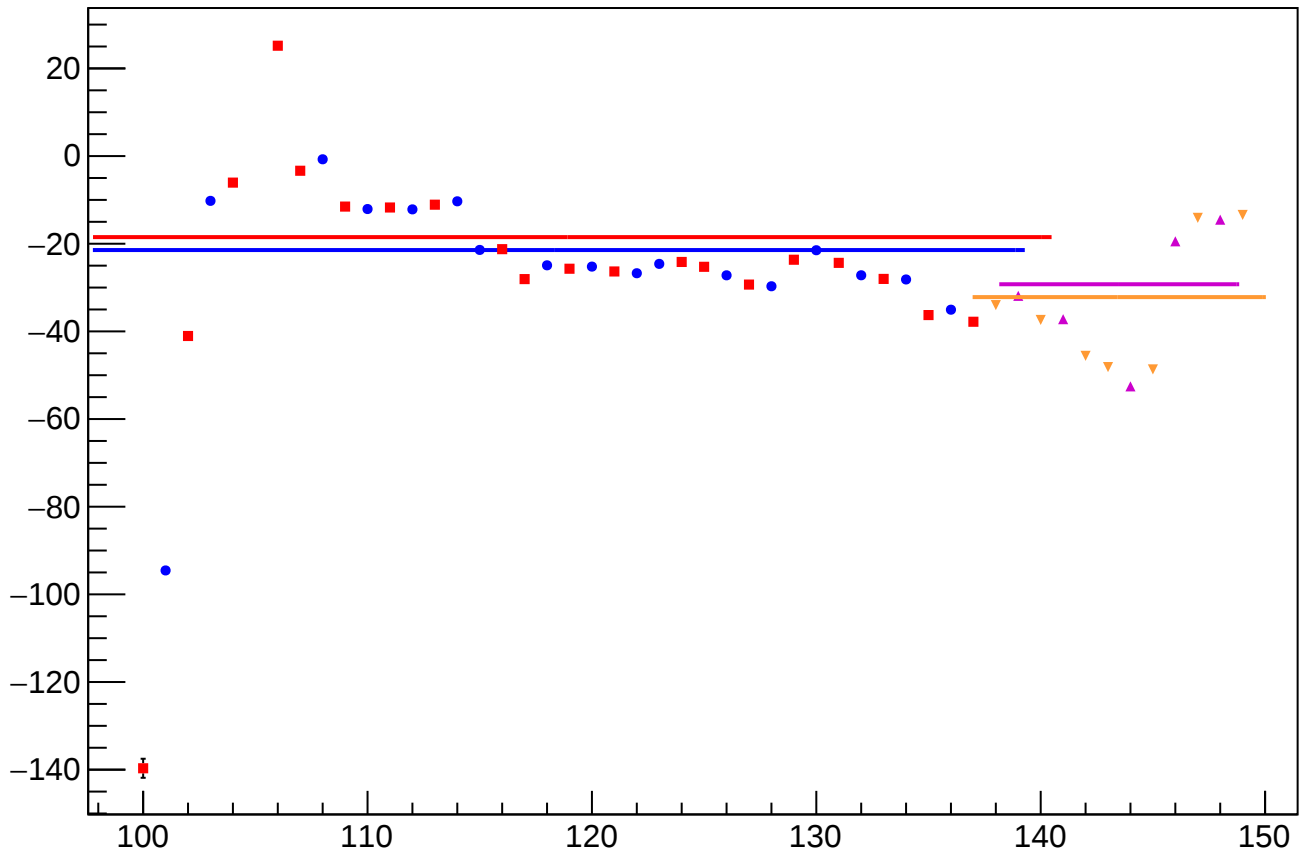
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: -14.130 ± 1.157 χ^2/NDF : 117.9/4

-25.246 ± 0.743 χ^2/NDF : 556.5/23

-26.381 ± 0.752 χ^2/NDF : 603.5/24

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -32.178 ± 0.053 $\chi^2/\text{NDF}: 69768.0/6$

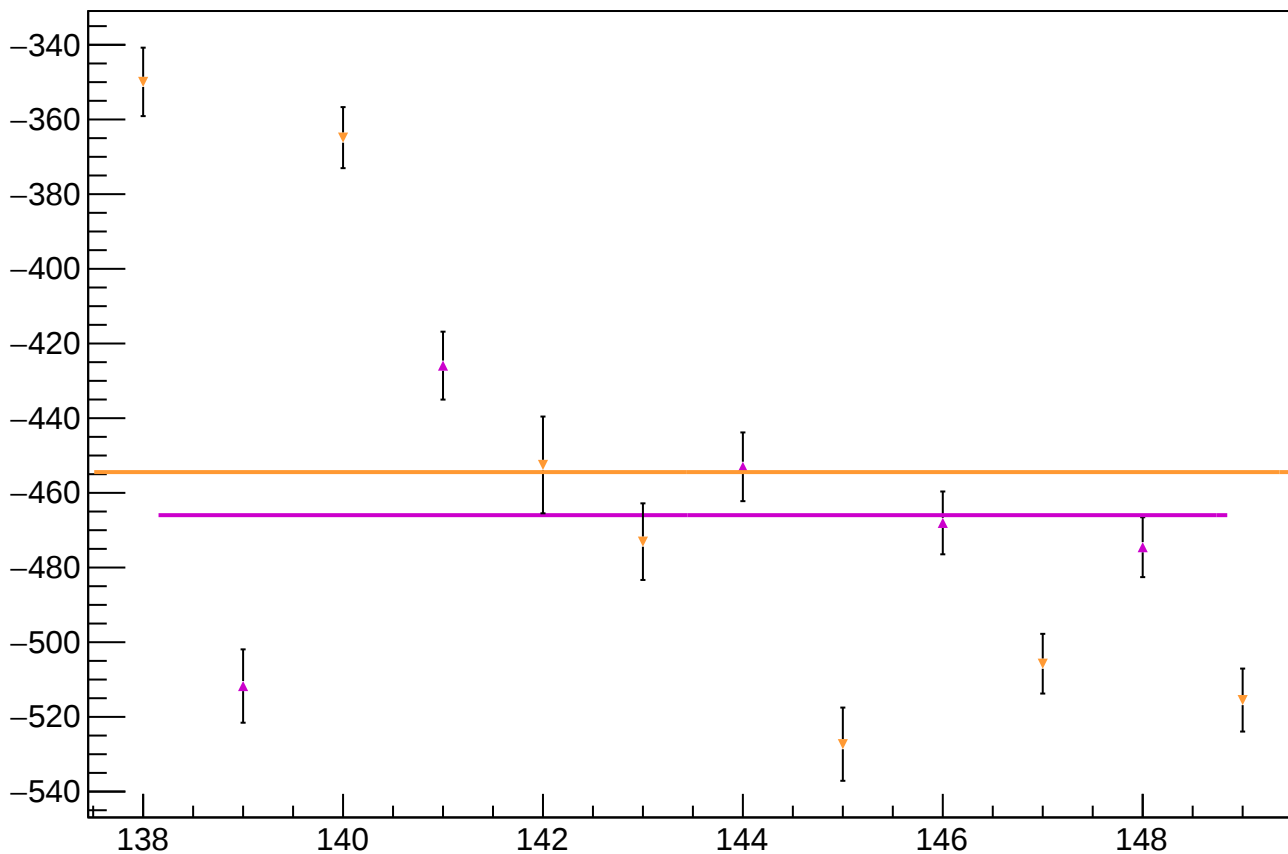
Right Out: -18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

Left In: -29.245 ± 0.057 $\chi^2/\text{NDF}: 47062.9/4$

-27.363 ± 0.039 $\chi^2/\text{NDF}: 137053.9/23$

-23.862 ± 0.041 $\chi^2/\text{NDF}: 145196.5/24$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -454.437+/-3.483 χ^2/NDF : 402.2/6

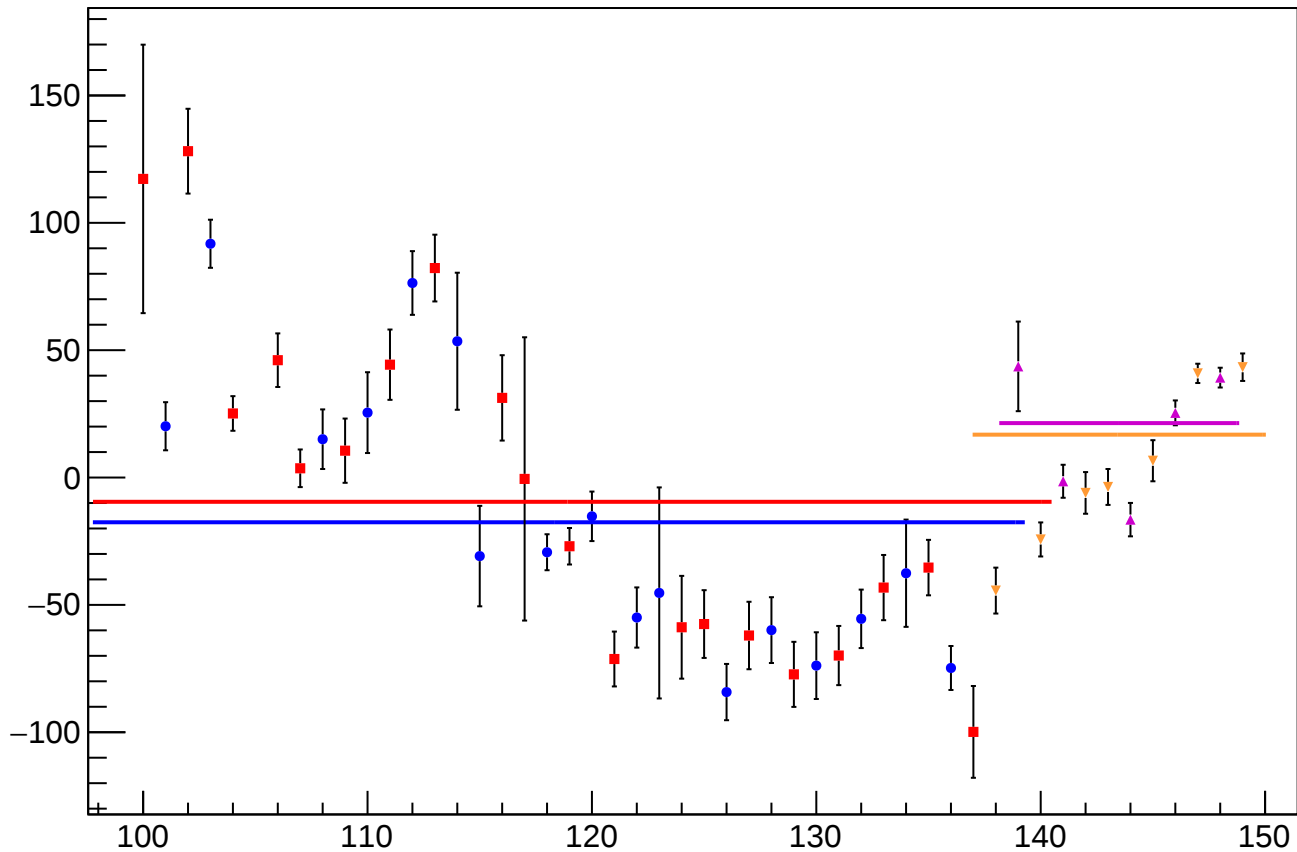
-454.437+/-3.483 χ^2/NDF : 402.2/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -465.972+/-3.954 χ^2/NDF : 44.3/4

-465.972+/-3.954 χ^2/NDF : 44.3/4

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 16.835 ± 2.299 χ^2/NDF : 166.4/6

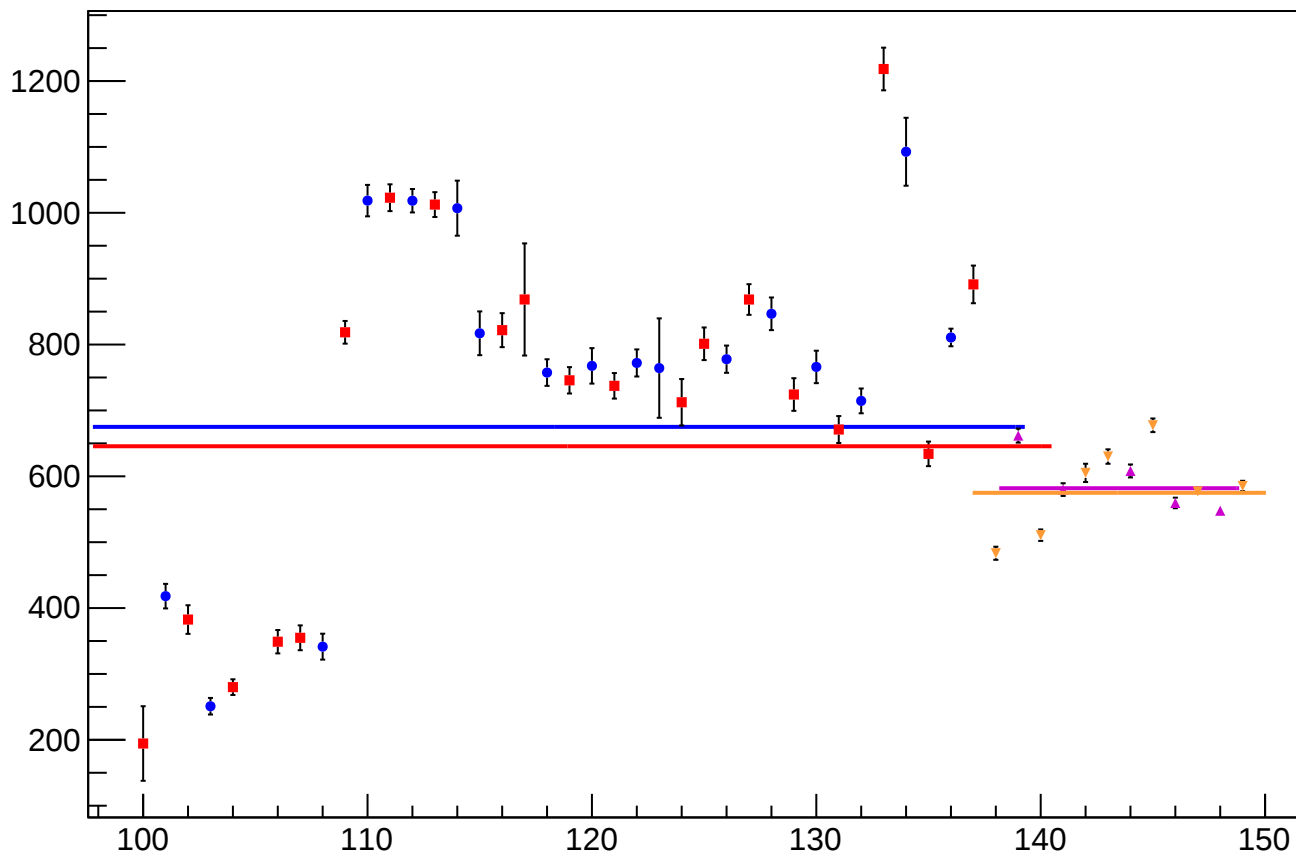
Right Out: -9.527 ± 2.606 χ^2/NDF : 370.3/19

Left In: 21.372 ± 2.511 χ^2/NDF : 69.2/4

3.100 ± 1.782 χ^2/NDF : 619.5/23

6.496 ± 1.808 χ^2/NDF : 512.4/24

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 574.953 $\pm$ 3.530 χ^2 /NDF:269.9/6

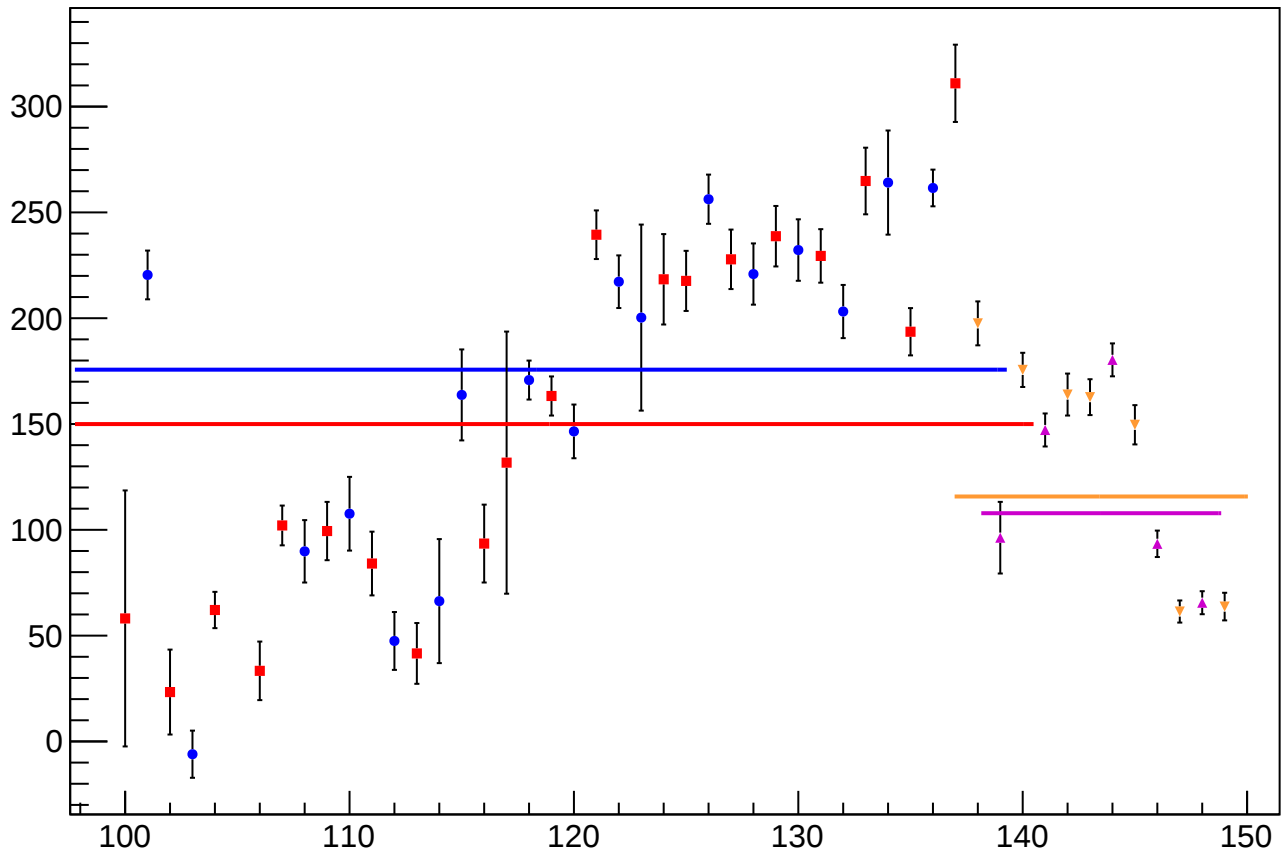
Right Out: 645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

Left In: 581.946 $\pm$ 3.983 χ^2 /NDF:91.9/4

607.660 $\pm$ 2.897 χ^2 /NDF: 3116.9/23

608.206 $\pm$ 3.053 χ^2 /NDF: 3326.3/24

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686+/-3.239 χ^2/NDF : 637.9/16

Left Out: 115.750+/-2.882 χ^2/NDF : 356.3/6

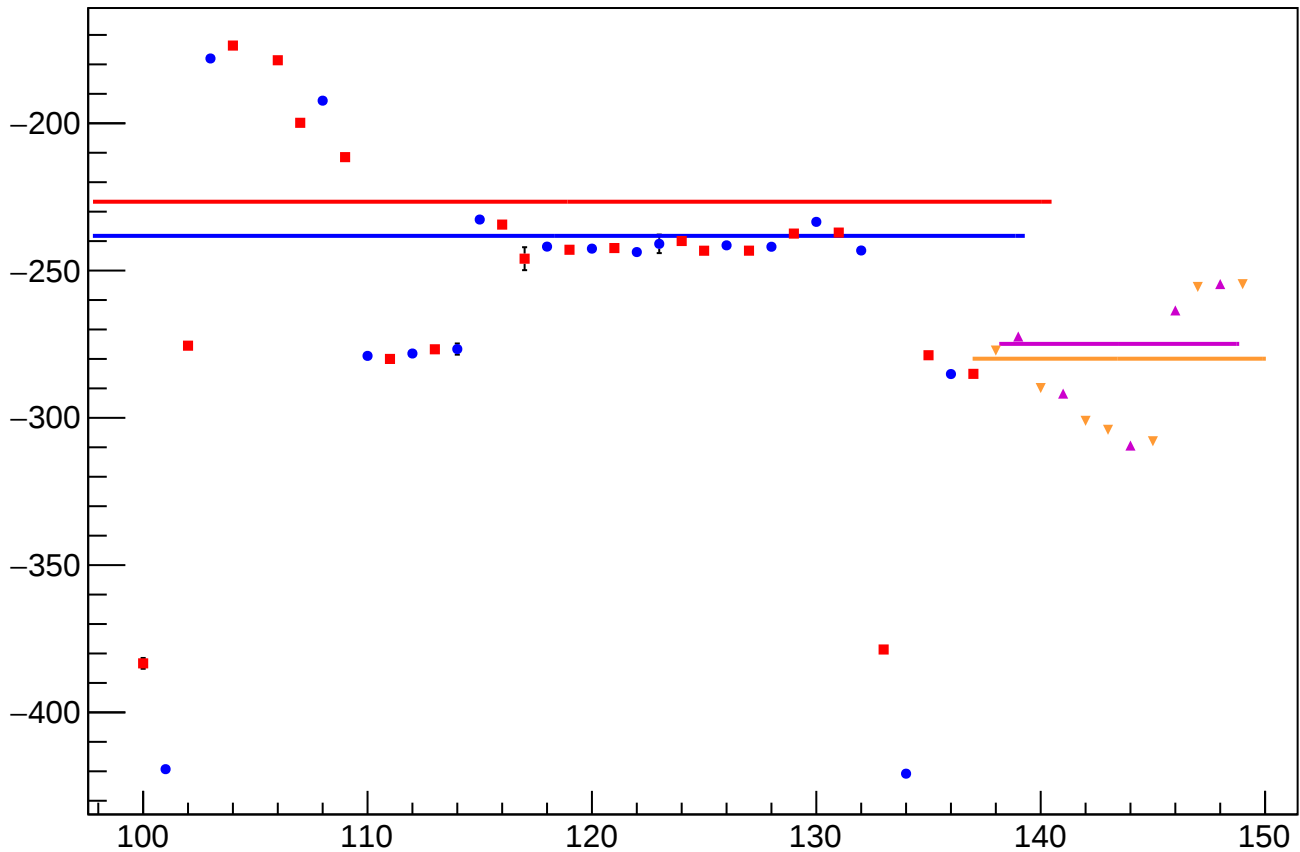
Right Out: 149.973+/-3.038 χ^2/NDF : 693.8/19

Left In: 107.851+/-3.229 χ^2/NDF : 178.6/4

142.235+/-2.153 χ^2/NDF : 1185.4/23

130.189+/-2.213 χ^2/NDF : 962.7/24

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -279.921+/-0.150 χ^2/NDF : 20130.5/6

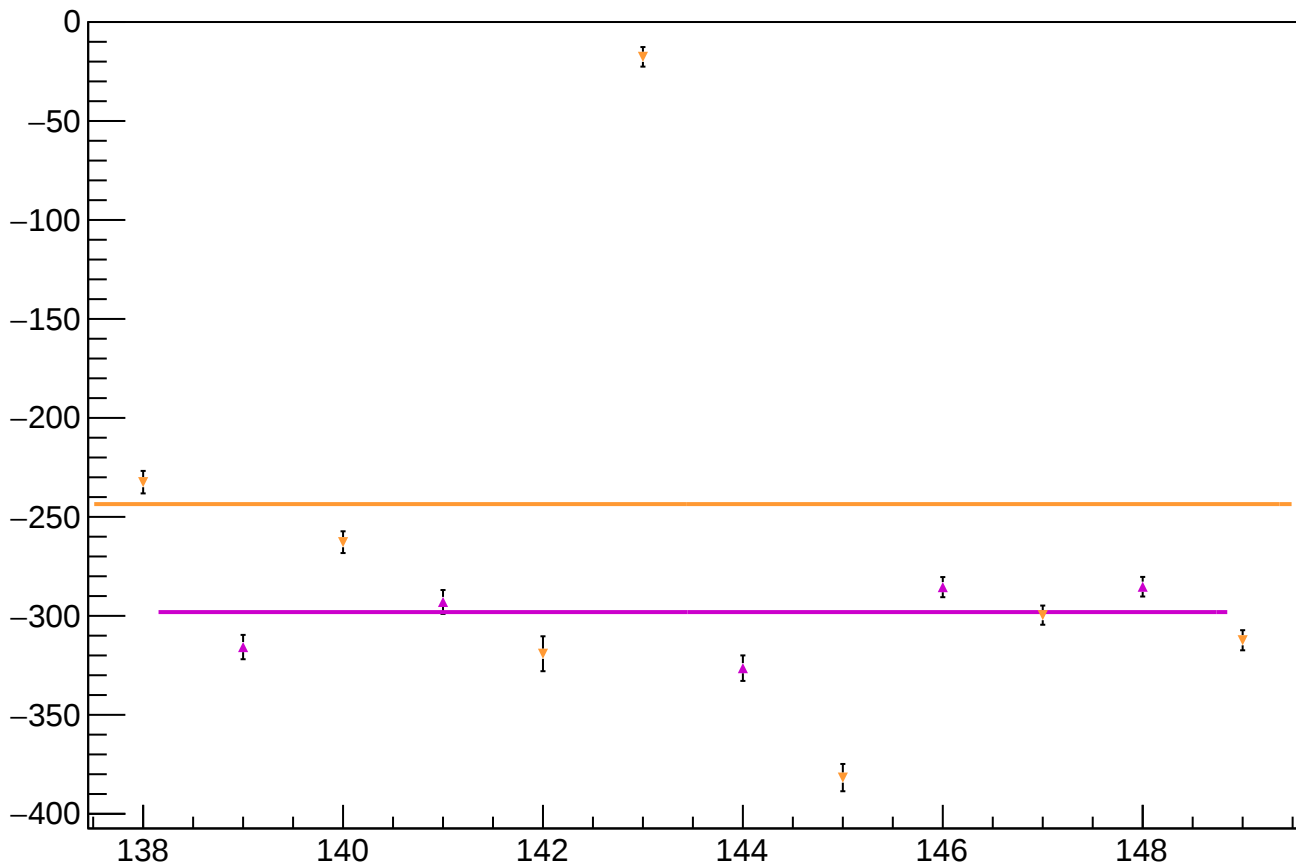
Right Out: -226.626+/-0.151 χ^2/NDF : 102587.0/19

Left In: -274.891+/-0.167 χ^2/NDF : 13252.7/4

-260.430+/-0.110 χ^2/NDF : 223230.8/23

-248.396+/-0.112 χ^2/NDF : 161850.8/24

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -243.539+/-2.131 χ^2/NDF : 2895.7/6

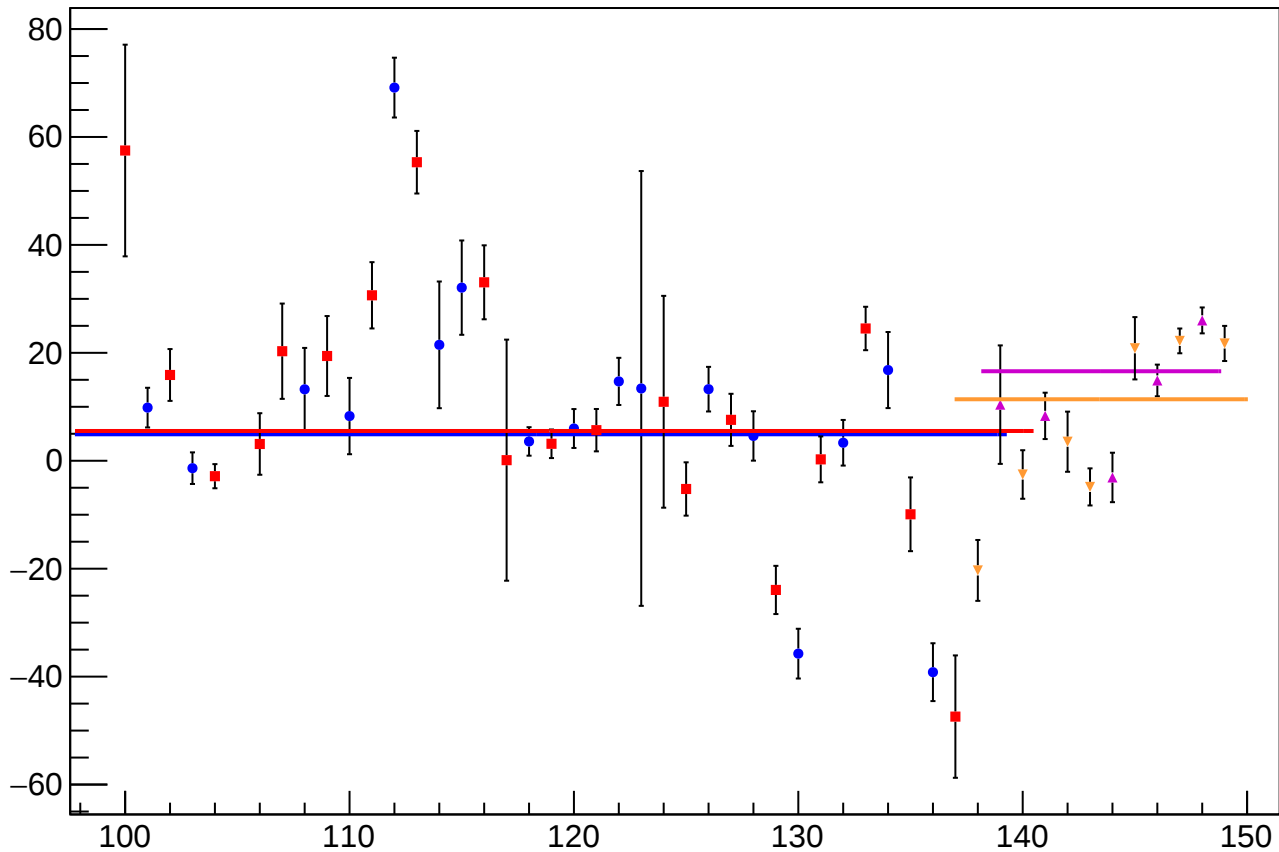
-243.539+/-2.131 χ^2/NDF : 2895.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-298.095+/-2.520 χ^2/NDF : 41.2/4

Left In: -298.095+/-2.520 χ^2/NDF : 41.2/4

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 11.394 ± 1.398 χ^2/NDF : 100.5/6

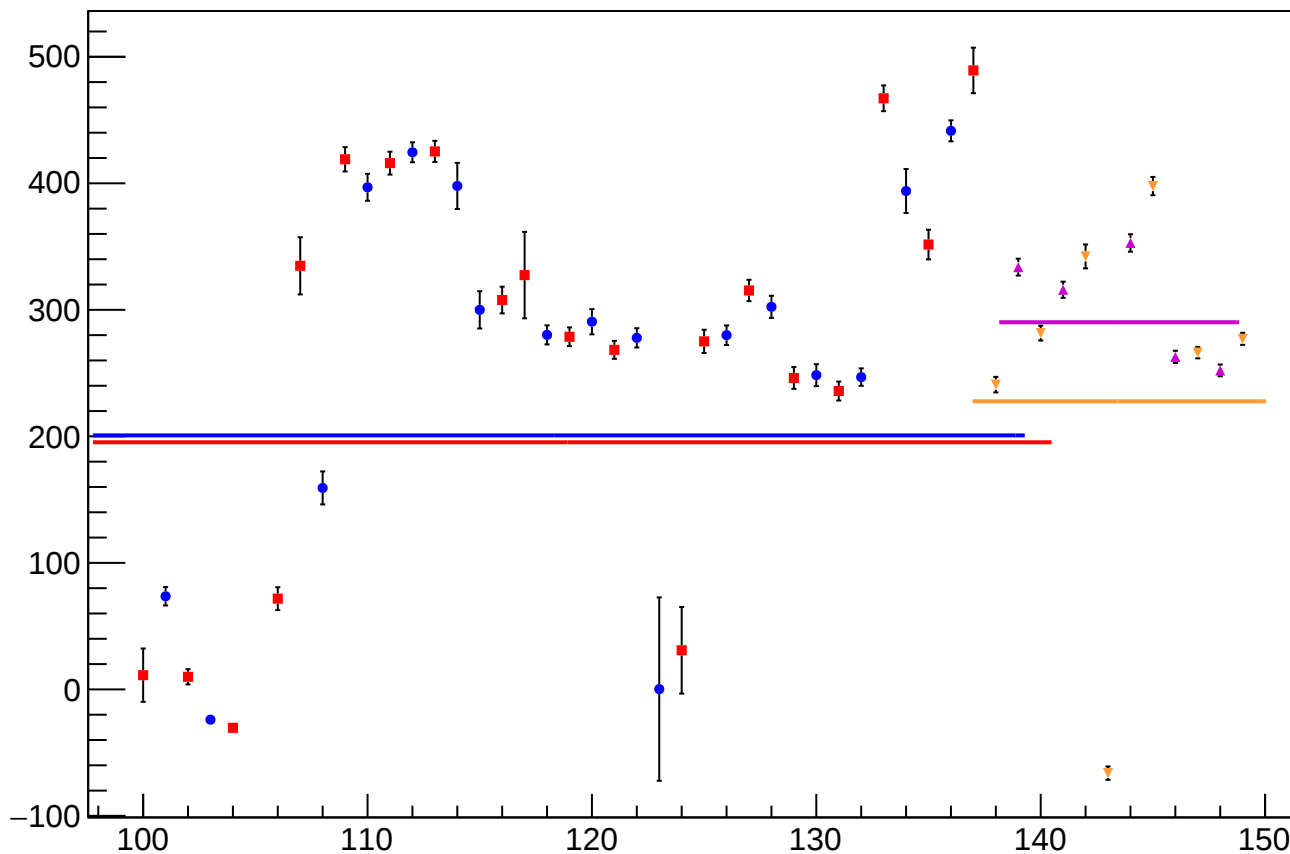
Right Out: 5.517 ± 1.067 χ^2/NDF : 239.0/19

Left In: 16.588 ± 1.582 χ^2/NDF : 38.2/4

7.402 ± 0.867 χ^2/NDF : 425.4/23

8.981 ± 0.885 χ^2/NDF : 310.8/24

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2/NDF : 6733.0/16

Left Out: 227.720 $\pm$ 2.156 χ^2/NDF : 4069.3/6

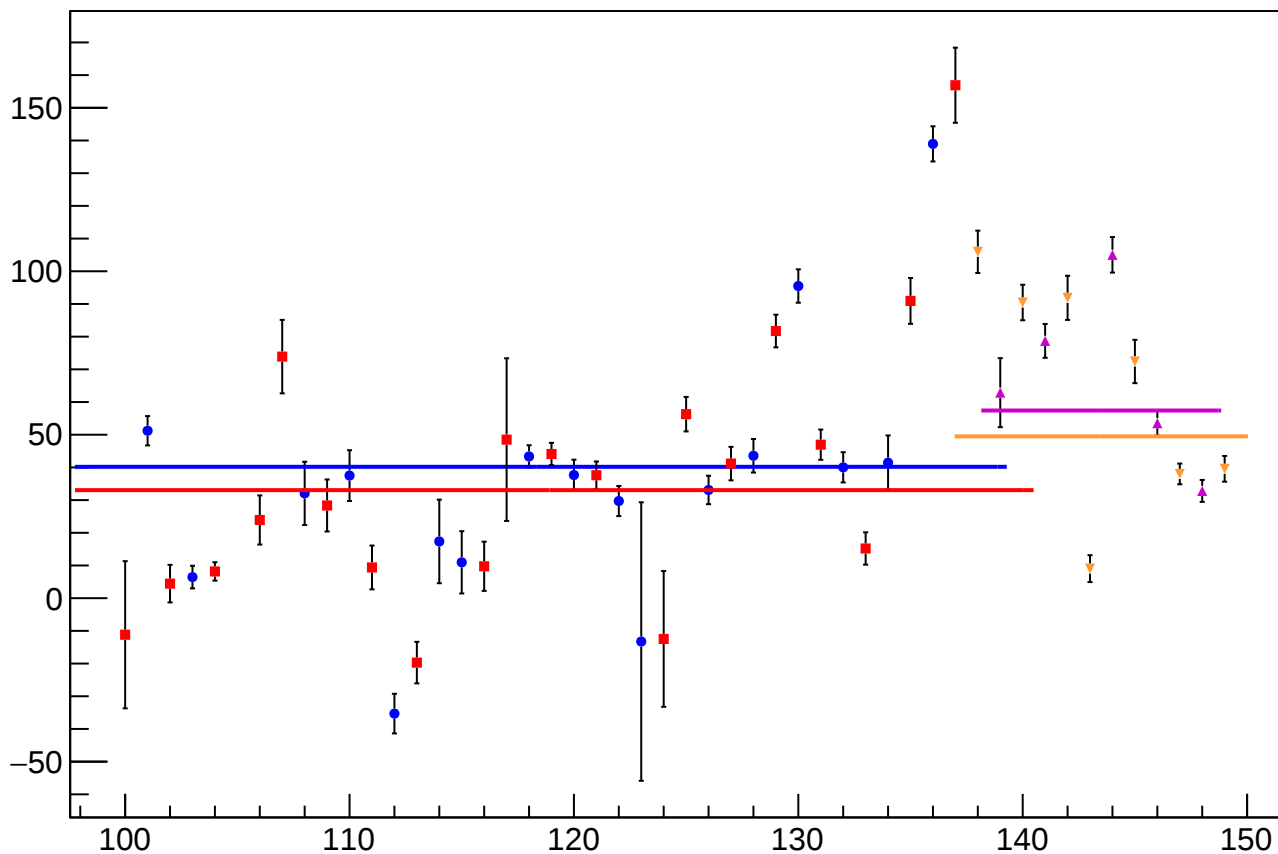
Right Out: 195.311 $\pm$ 1.921 χ^2/NDF : 8262.1/19

Left In: 290.199 $\pm$ 2.526 χ^2/NDF : 240.5/4

213.122 $\pm$ 1.460 χ^2/NDF : 10886.9/23

230.073 $\pm$ 1.529 χ^2/NDF : 9396.7/24

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 χ^2/NDF : 734.6/16

Left Out: 49.495 ± 1.751 χ^2/NDF : 300.6/6

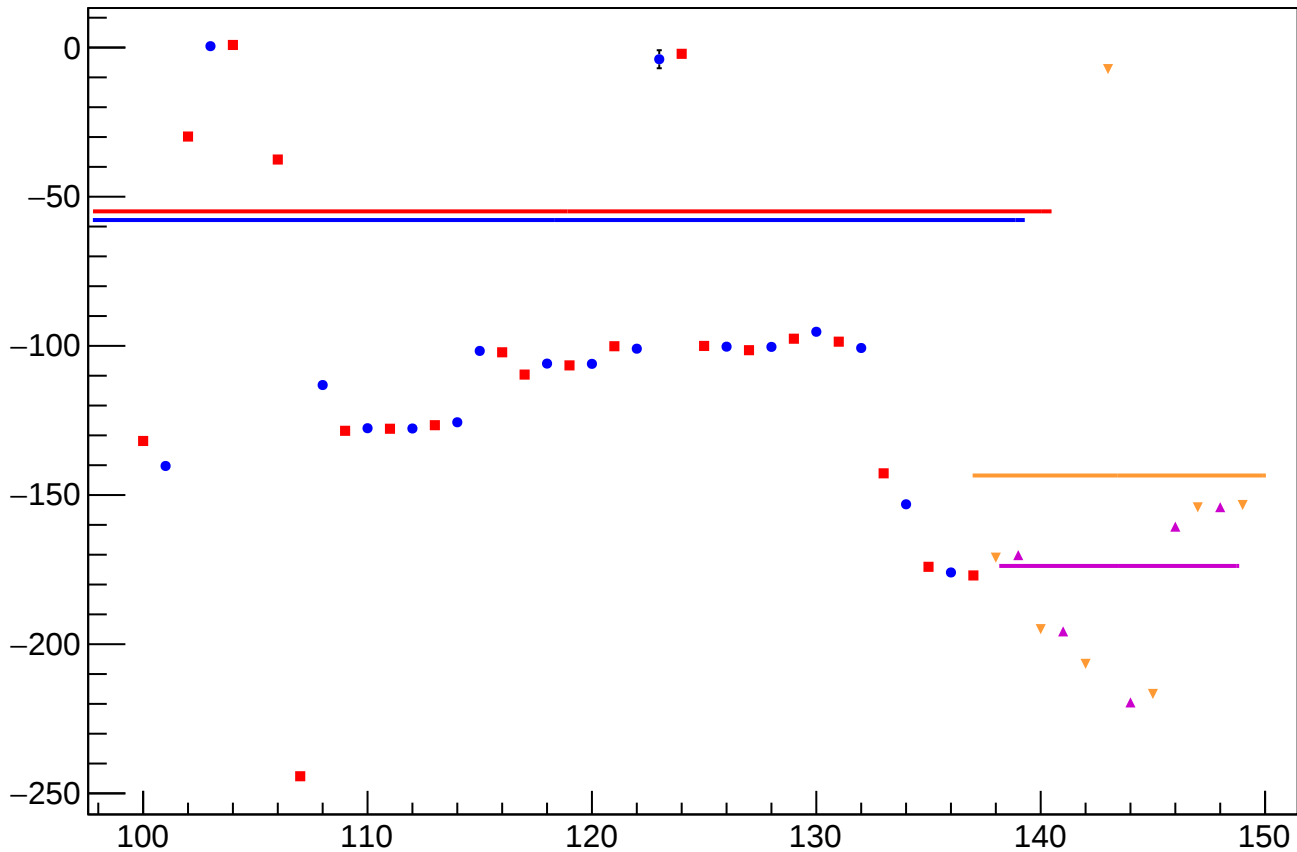
Right Out: 33.045 ± 1.249 χ^2/NDF : 553.1/19

Left In: 57.410 ± 2.044 χ^2/NDF : 148.6/4

43.438 ± 1.035 χ^2/NDF : 1053.6/23

39.666 ± 1.066 χ^2/NDF : 805.1/24

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 $\pm$ 0.062 χ^2 /NDF: 1101296.2/16

Left Out: -143.449 $\pm$ 0.092 χ^2 /NDF: 567812.5/6

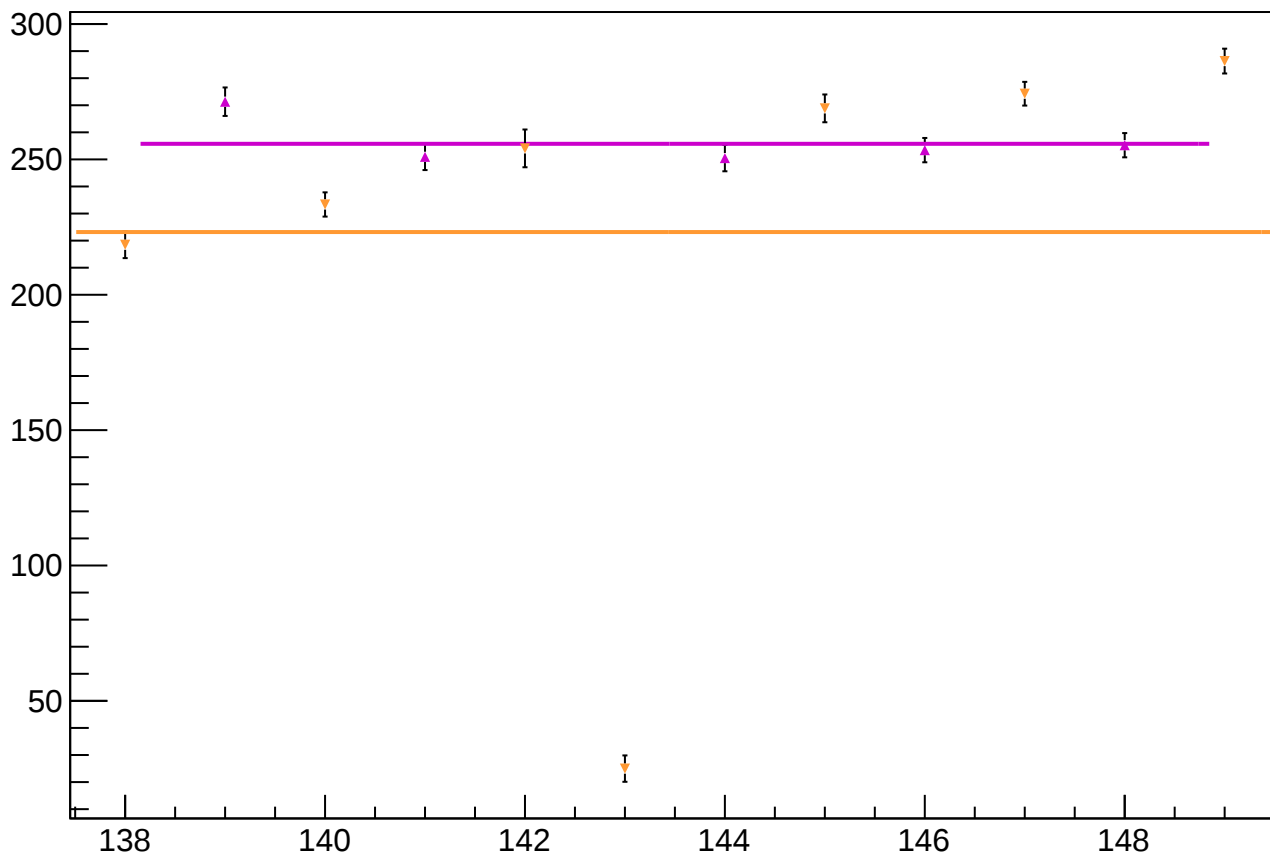
Right Out: -54.915 $\pm$ 0.060 χ^2 /NDF: 1001968.3/19

Left In: -173.764 $\pm$ 0.106 χ^2 /NDF: 43618.2/4

-84.604 $\pm$ 0.051 χ^2 /NDF: 2269802.0/23

-83.984 $\pm$ 0.052 χ^2 /NDF: 1999288.2/24

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 223.169+/-1.853 χ^2/NDF : 2087.0/6

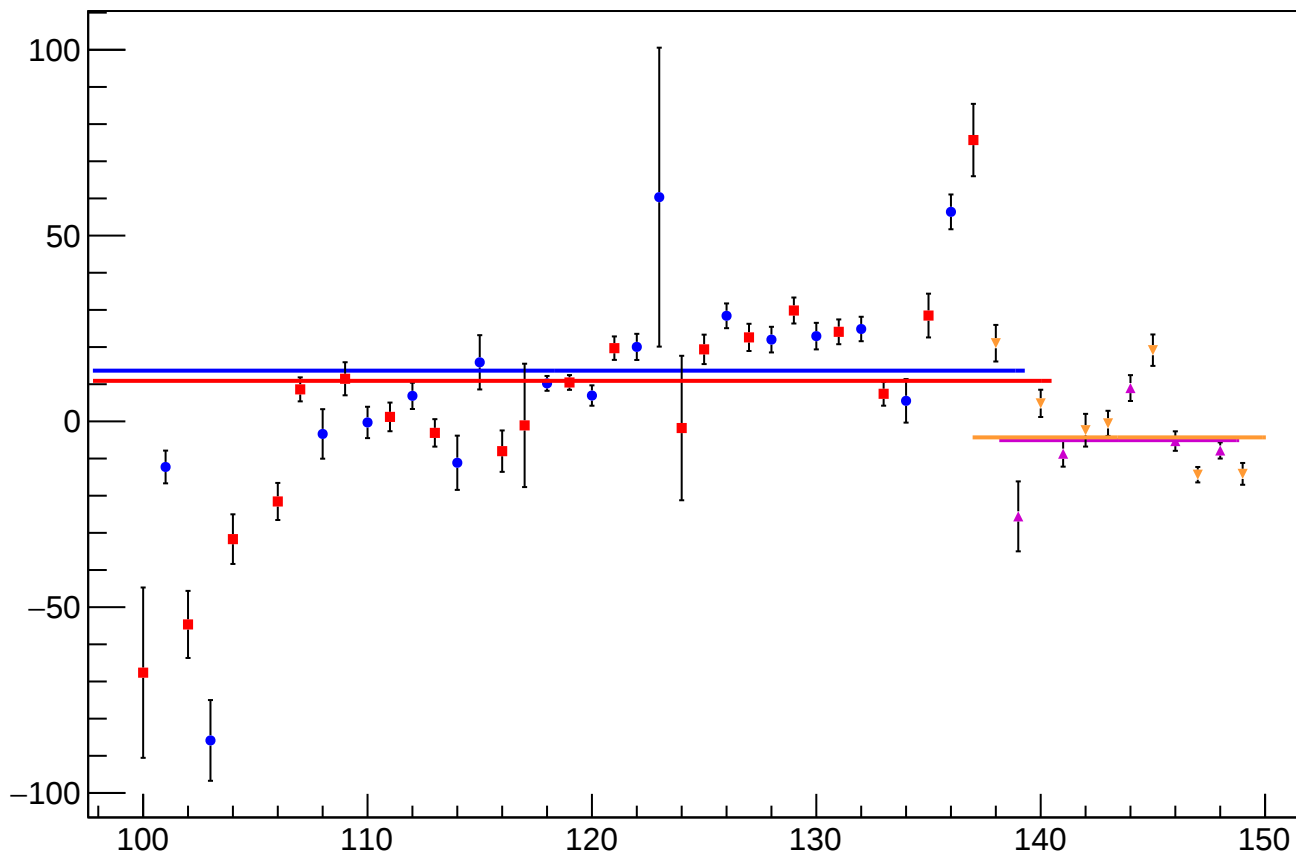
223.169+/-1.853 χ^2/NDF : 2087.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

255.760+/-2.136 χ^2/NDF : 11.2/4

Left In: 255.760+/-2.136 χ^2/NDF : 11.2/4

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: -4.307 ± 1.233 χ^2/NDF : 99.5/6

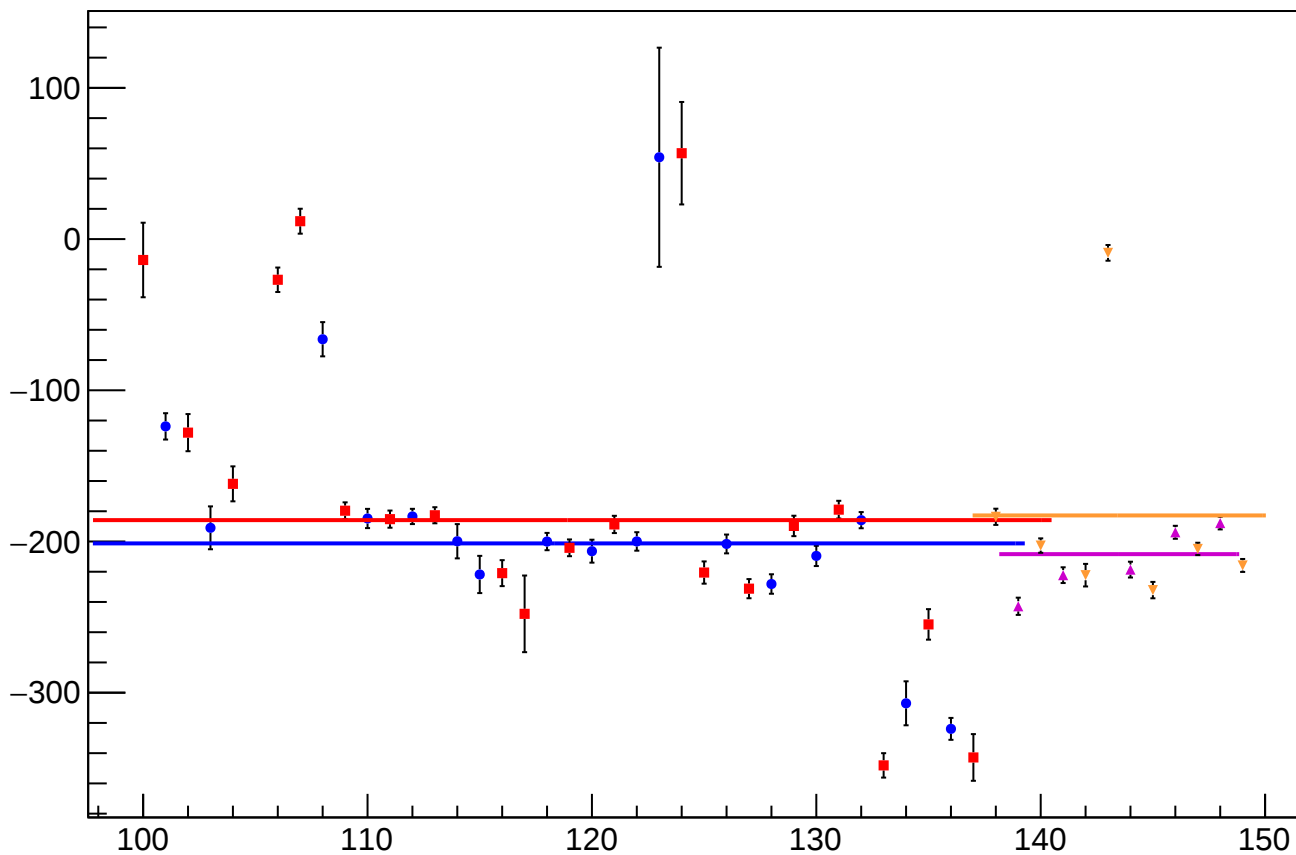
Right Out: 10.908 ± 0.912 χ^2/NDF : 303.1/19

Left In: -5.052 ± 1.369 χ^2/NDF : 23.7/4

7.082 ± 0.746 χ^2/NDF : 528.1/23

6.005 ± 0.759 χ^2/NDF : 420.9/24

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -182.768 ± 1.883 $\chi^2/\text{NDF}: 1333.1/6$

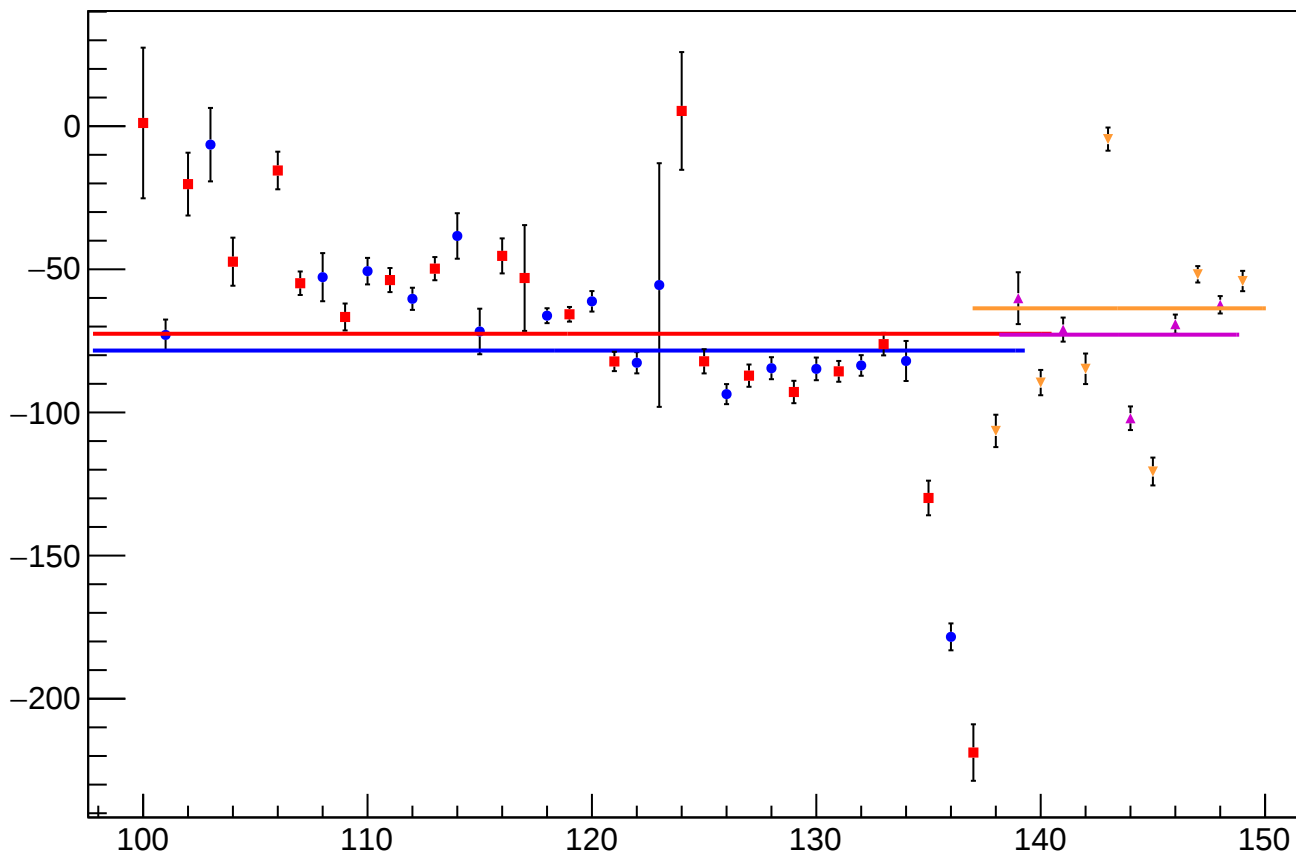
Right Out: -185.871 ± 1.695 $\chi^2/\text{NDF}: 1752.0/19$

Left In: -208.366 ± 2.155 $\chi^2/\text{NDF}: 82.9/4$

-192.457 ± 1.299 $\chi^2/\text{NDF}: 2007.0/23$

-194.471 ± 1.333 $\chi^2/\text{NDF}: 1902.2/24$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 $\pm$ 1.081 χ^2 /NDF: 651.4/16

Left Out: -63.626 $\pm$ 1.539 χ^2 /NDF:482.8/6

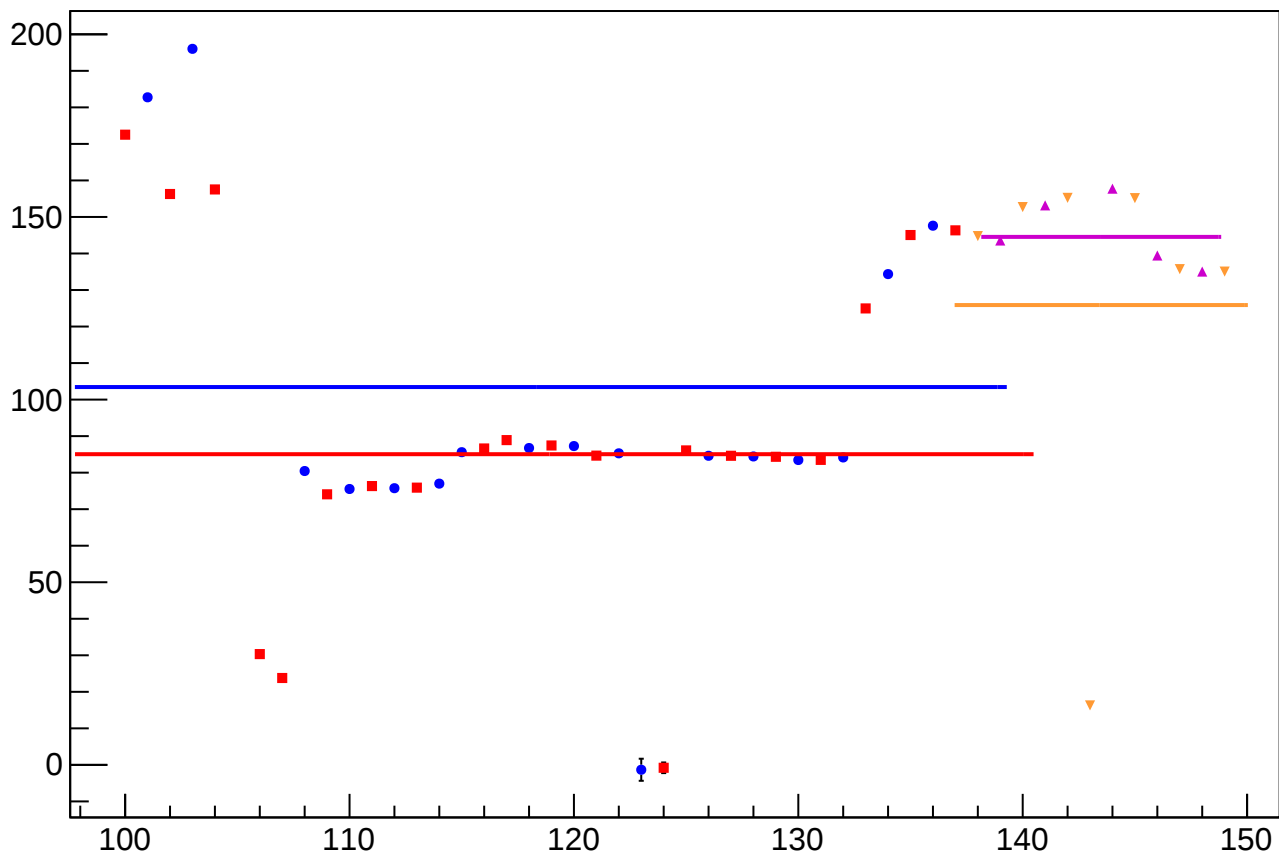
Right Out: -72.514 $\pm$ 1.050 χ^2 /NDF: 607.0/19

Left In: -72.832 $\pm$ 1.755 χ^2 /NDF:65.2/4

-73.499 $\pm$ 0.885 χ^2 /NDF: 1195.7/23

-72.597 $\pm$ 0.901 χ^2 /NDF: 672.2/24

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 125.882 $\pm$ 0.080 χ^2 /NDF:335767.7/6

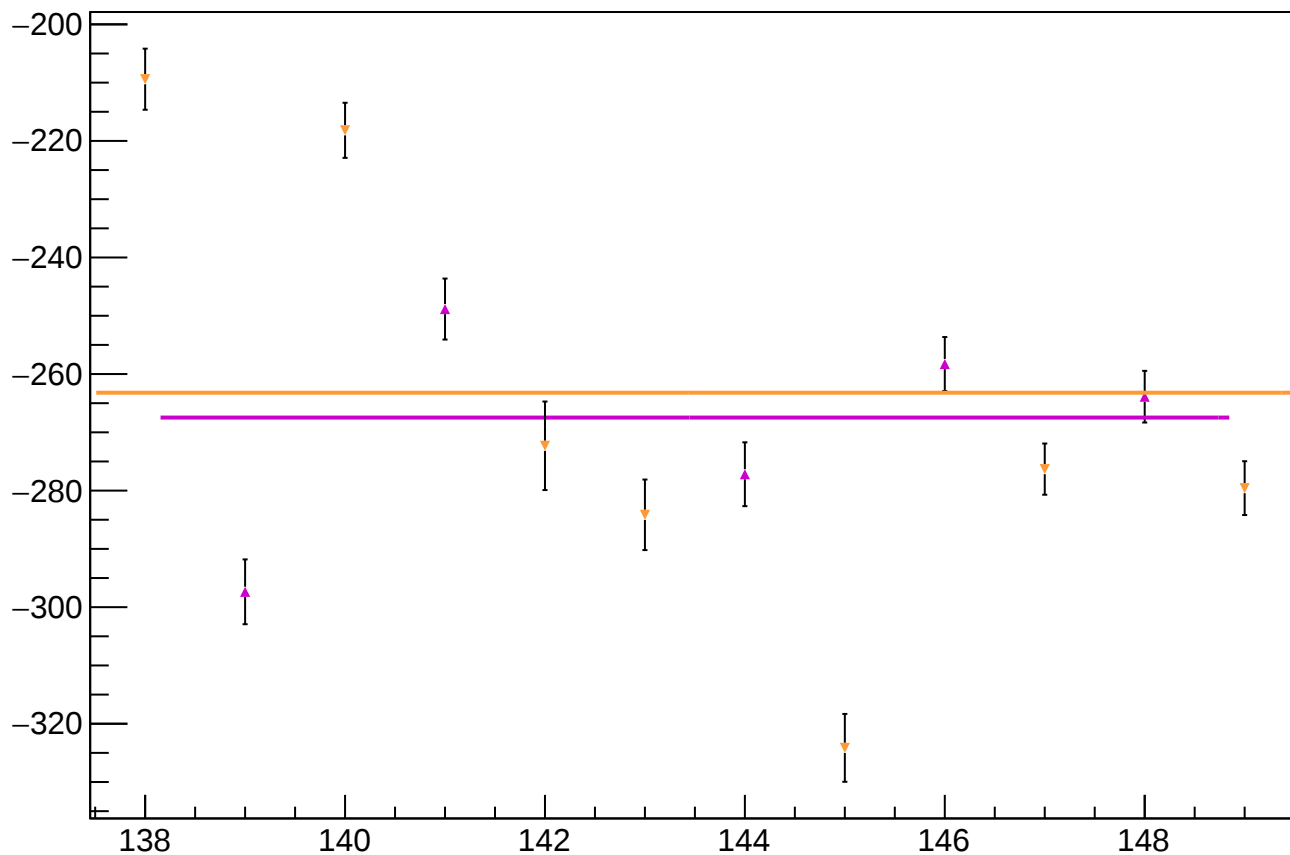
Right Out: 85.054 $\pm$ 0.064 χ^2 /NDF: 422354.0/19

Left In: 144.545 $\pm$ 0.090 χ^2 /NDF:8491.8/4

113.342 $\pm$ 0.053 χ^2 /NDF: 652811.9/23

104.833 $\pm$ 0.052 χ^2 /NDF: 721336.9/24

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -263.200+/-1.984 χ^2/NDF : 340.6/6

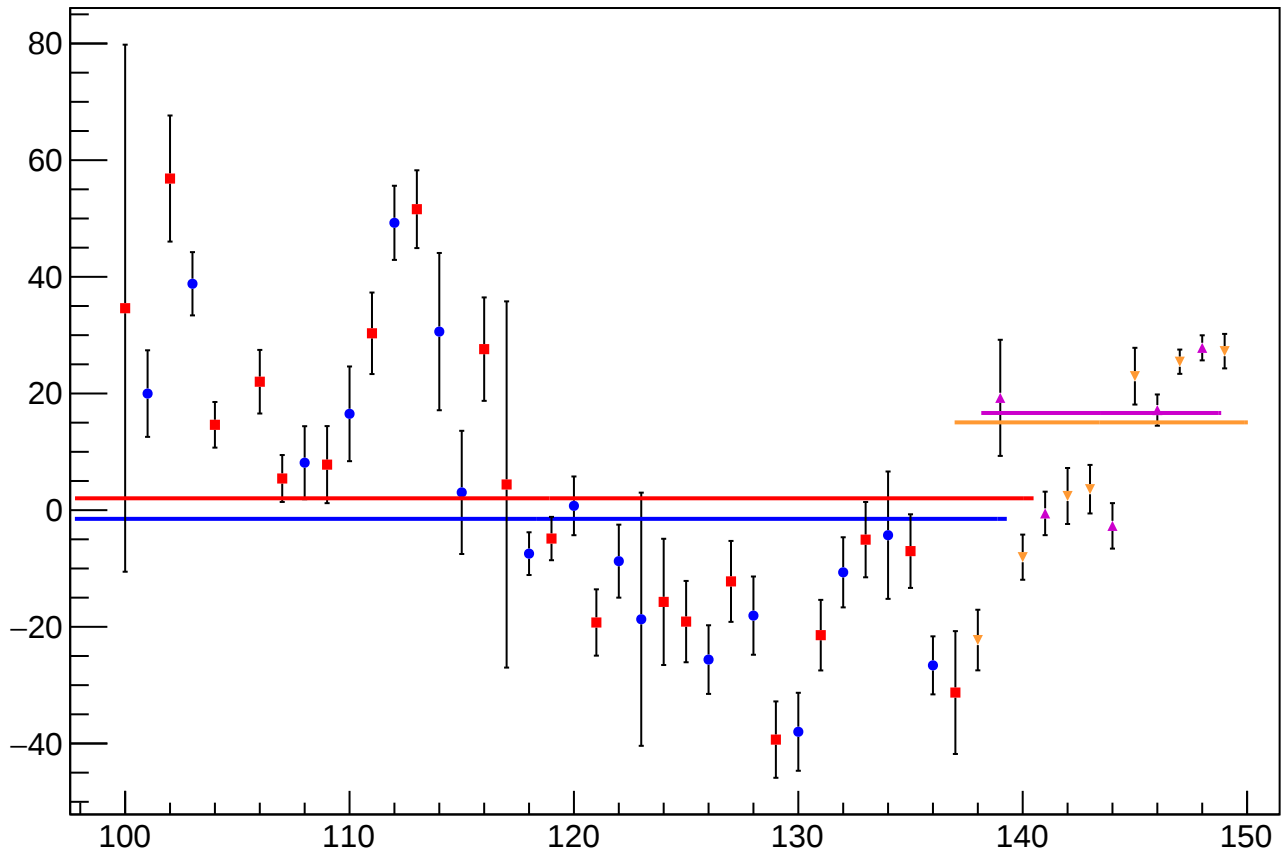
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -267.468+/-2.237 χ^2/NDF : 49.3/4

-263.200+/-1.984 χ^2/NDF : 340.6/6

-267.468+/-2.237 χ^2/NDF : 49.3/4

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490+/-1.536 χ^2/NDF : 226.0/16

Left Out: 15.048+/-1.299 χ^2/NDF : 146.4/6

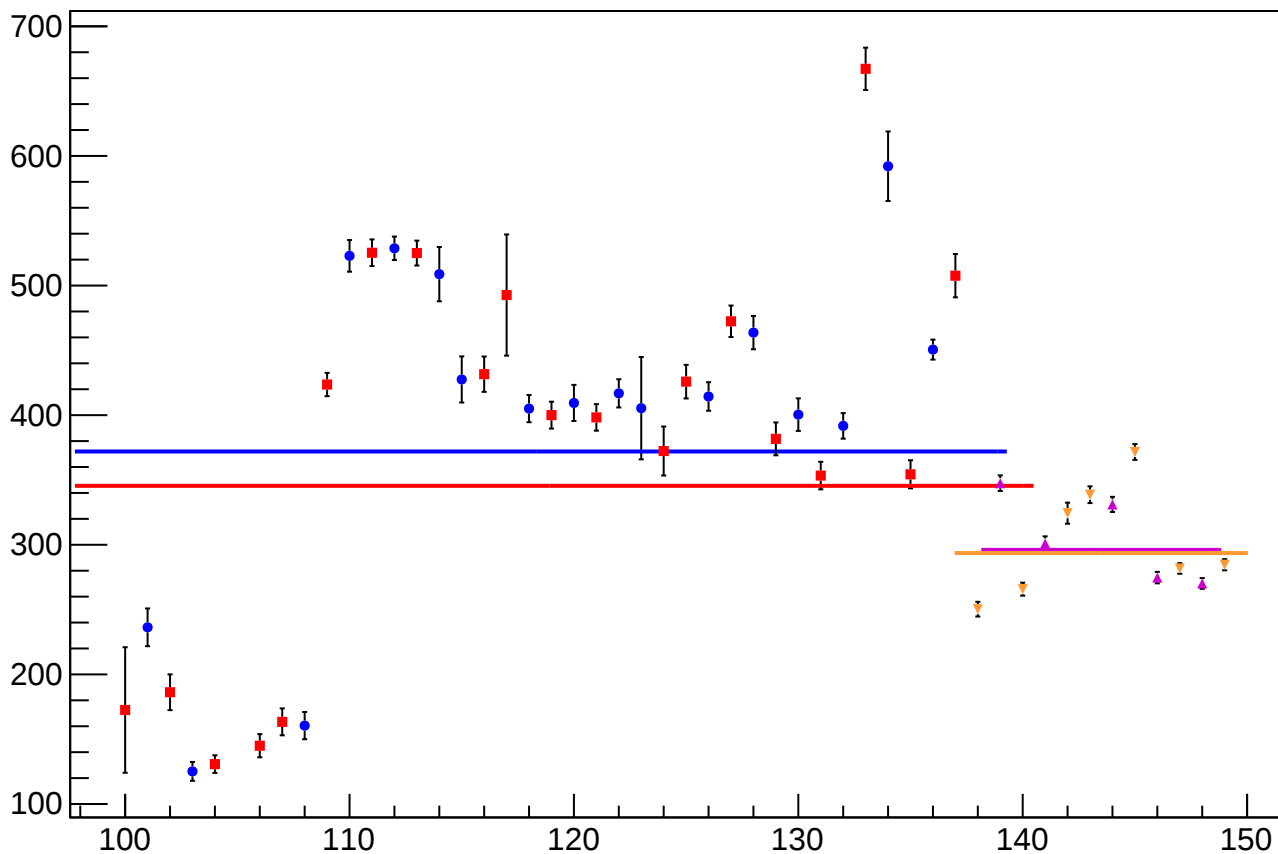
Right Out: 2.032+/-1.398 χ^2/NDF : 233.3/19

Left In: 16.660+/-1.409 χ^2/NDF : 73.1/4

8.152+/-0.992 χ^2/NDF : 439.9/23

9.289+/-0.993 χ^2/NDF : 360.6/24

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 293.632 $\pm$ 2.002 χ^2 /NDF:327.4/6

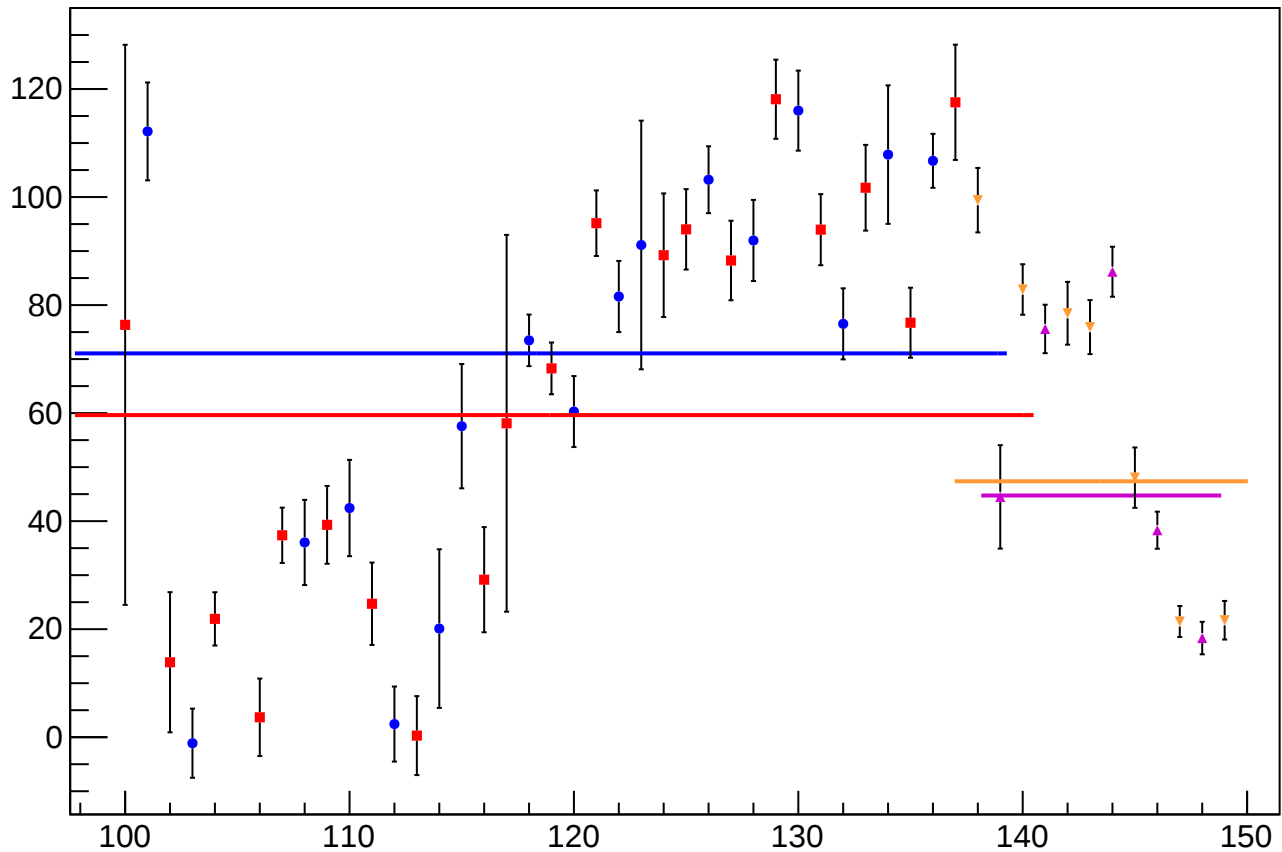
Right Out: 345.485 $\pm$ 2.558 χ^2 /NDF: 3425.1/19

Left In: 296.073 $\pm$ 2.247 χ^2 /NDF:171.7/4

320.415 $\pm$ 1.624 χ^2 /NDF: 3283.6/23

317.590 $\pm$ 1.688 χ^2 /NDF: 3807.5/24

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 47.380 $\pm$ 1.633 χ^2 /NDF:328.5/6

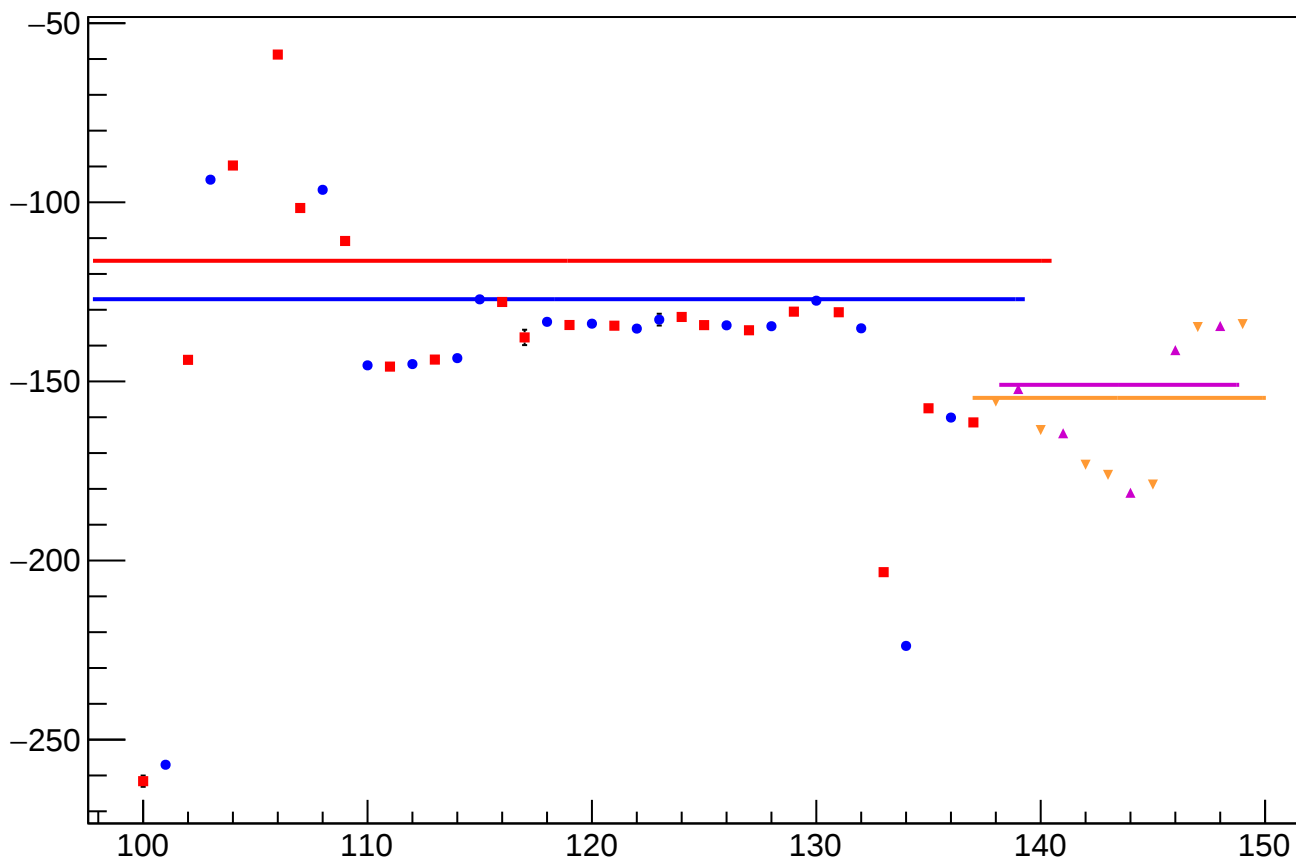
Right Out: 59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

Left In: 44.745 $\pm$ 1.817 χ^2 /NDF:208.0/4

58.304 $\pm$ 1.198 χ^2 /NDF: 851.7/23

52.999 $\pm$ 1.213 χ^2 /NDF: 736.8/24

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 $\pm$ 0.090 χ^2/NDF : 167014.4/16

Left Out: -154.595 $\pm$ 0.085 χ^2/NDF : 44371.5/6

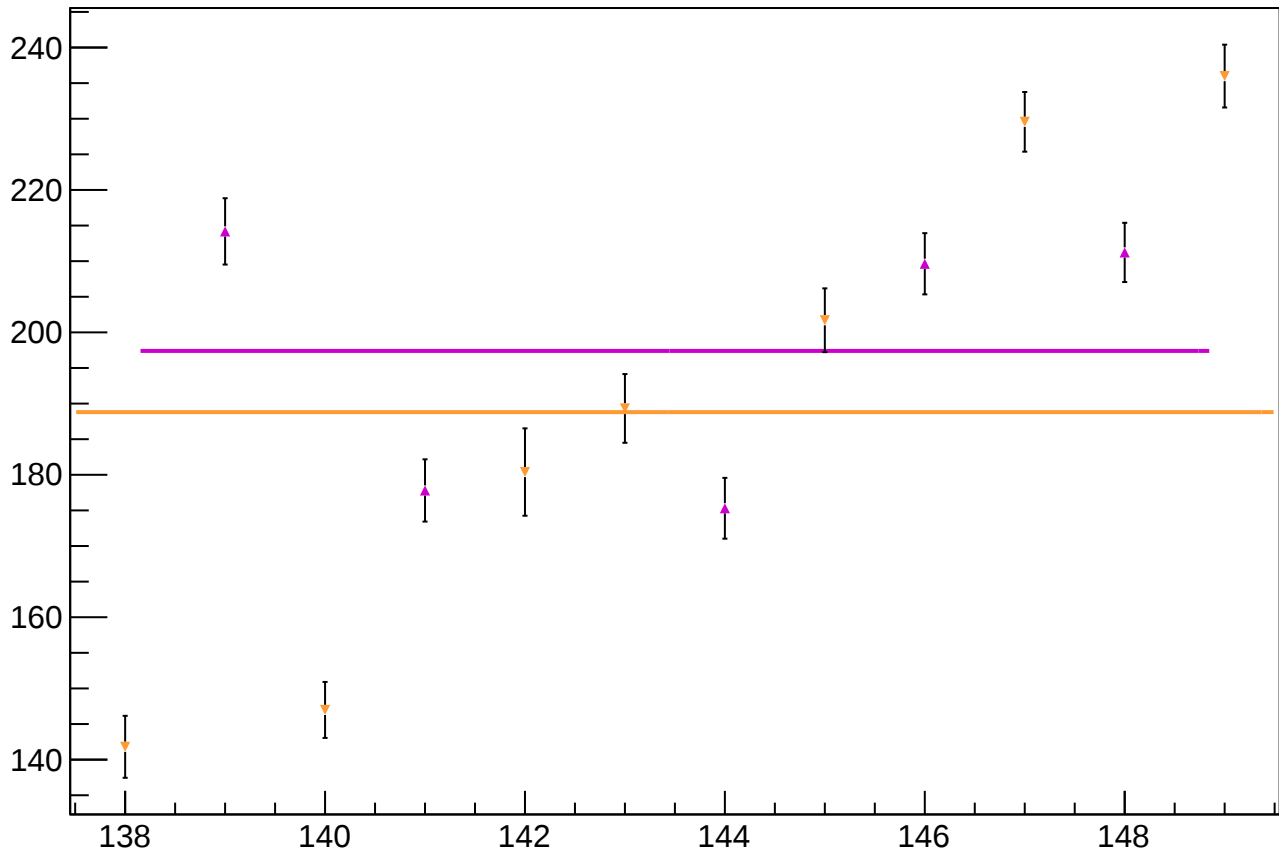
Right Out: -116.327 $\pm$ 0.083 χ^2/NDF : 167208.7/19

Left In: -150.952 $\pm$ 0.094 χ^2/NDF : 28212.0/4

-141.497 $\pm$ 0.062 χ^2/NDF : 260765.9/23

-131.458 $\pm$ 0.062 χ^2/NDF : 271612.3/24

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 188.801+/-1.702 χ^2/NDF : 449.1/6

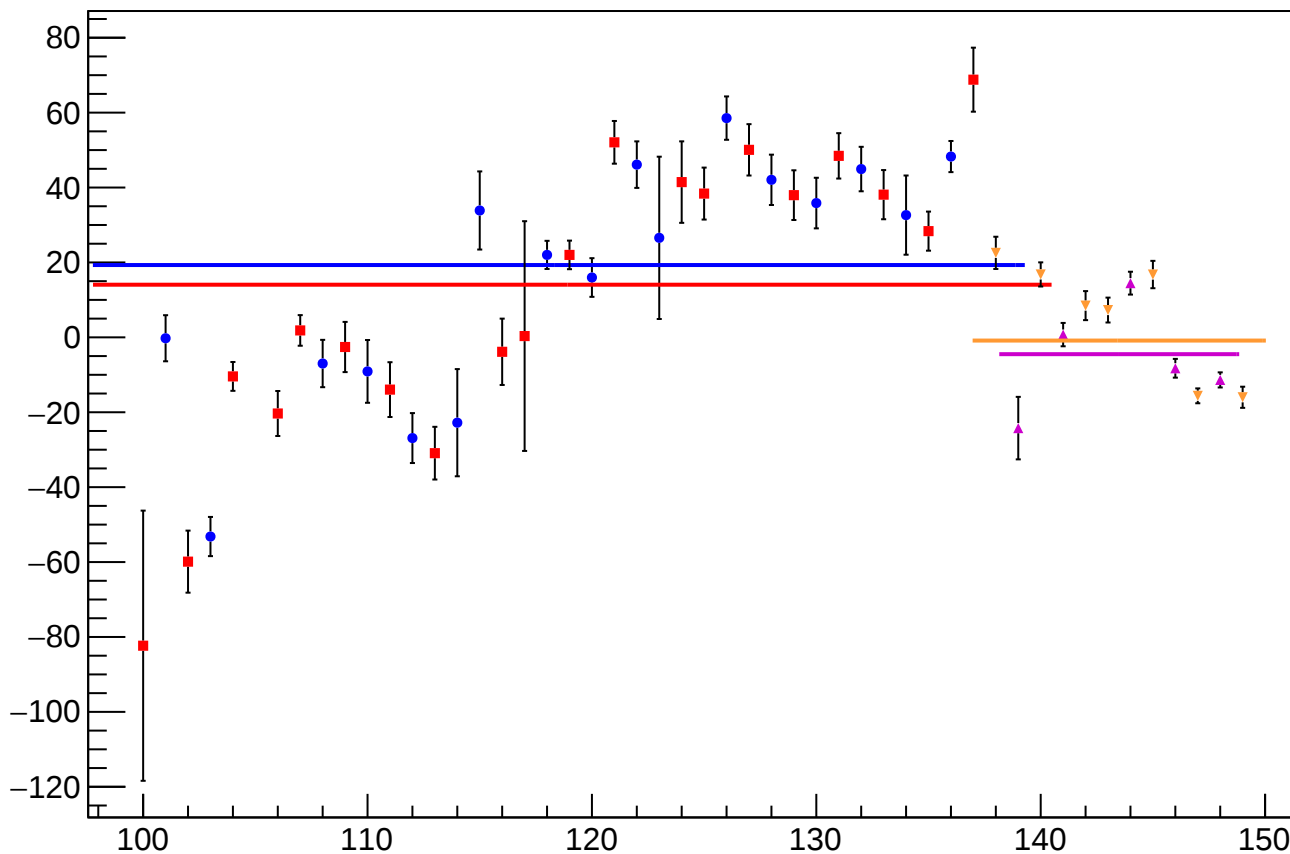
188.801+/-1.702 χ^2/NDF : 449.1/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

197.397+/-1.942 χ^2/NDF : 79.0/4

Left In: 197.397+/-1.942 χ^2/NDF : 79.0/4

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: -0.858 ± 1.146 $\chi^2/\text{NDF}: 178.7/6$

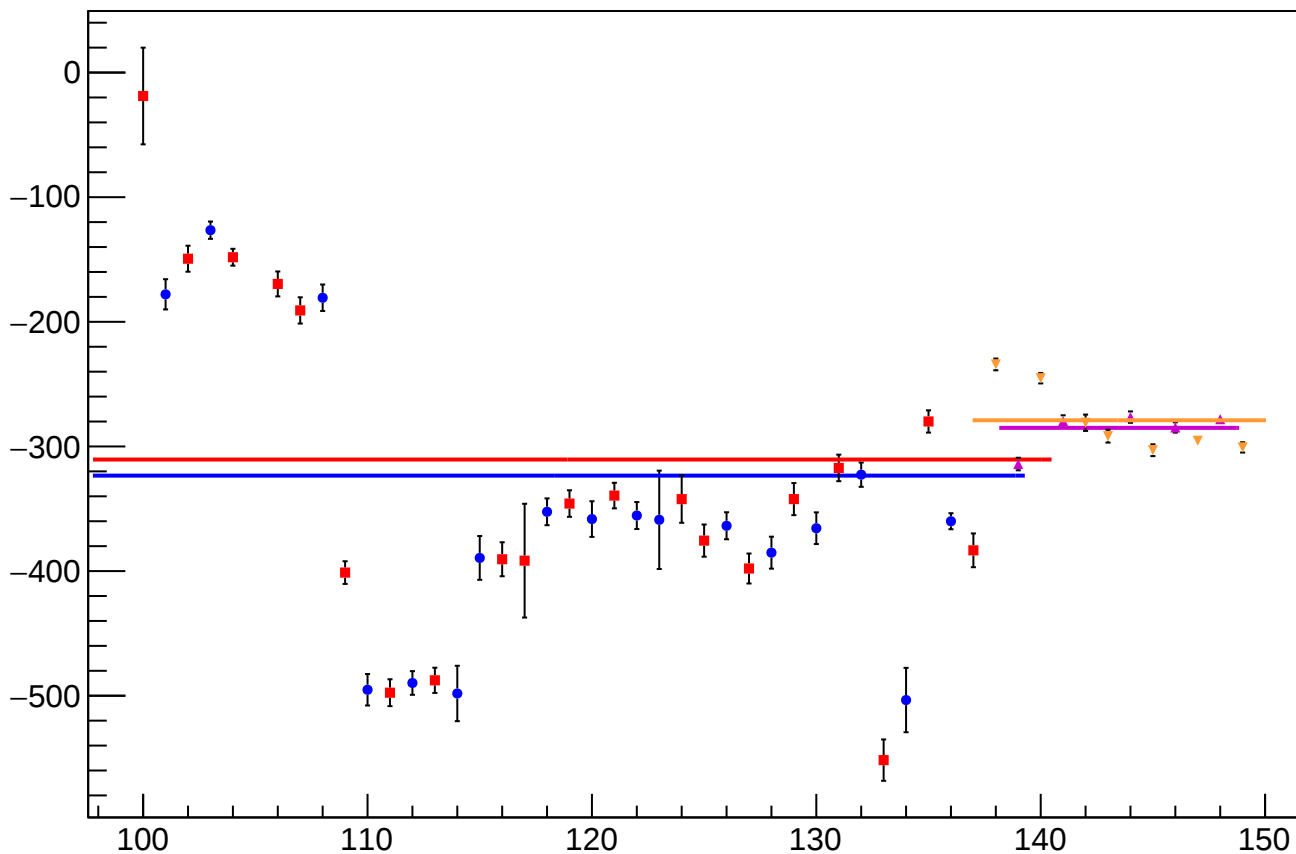
Right Out: 14.055 ± 1.388 $\chi^2/\text{NDF}: 437.1/19$

Left In: -4.492 ± 1.260 $\chi^2/\text{NDF}: 60.9/4$

6.571 ± 0.911 $\chi^2/\text{NDF}: 734.1/23$

3.884 ± 0.933 $\chi^2/\text{NDF}: 595.9/24$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -278.998 ± 1.737 $\chi^2/\text{NDF}: 232.5/6$

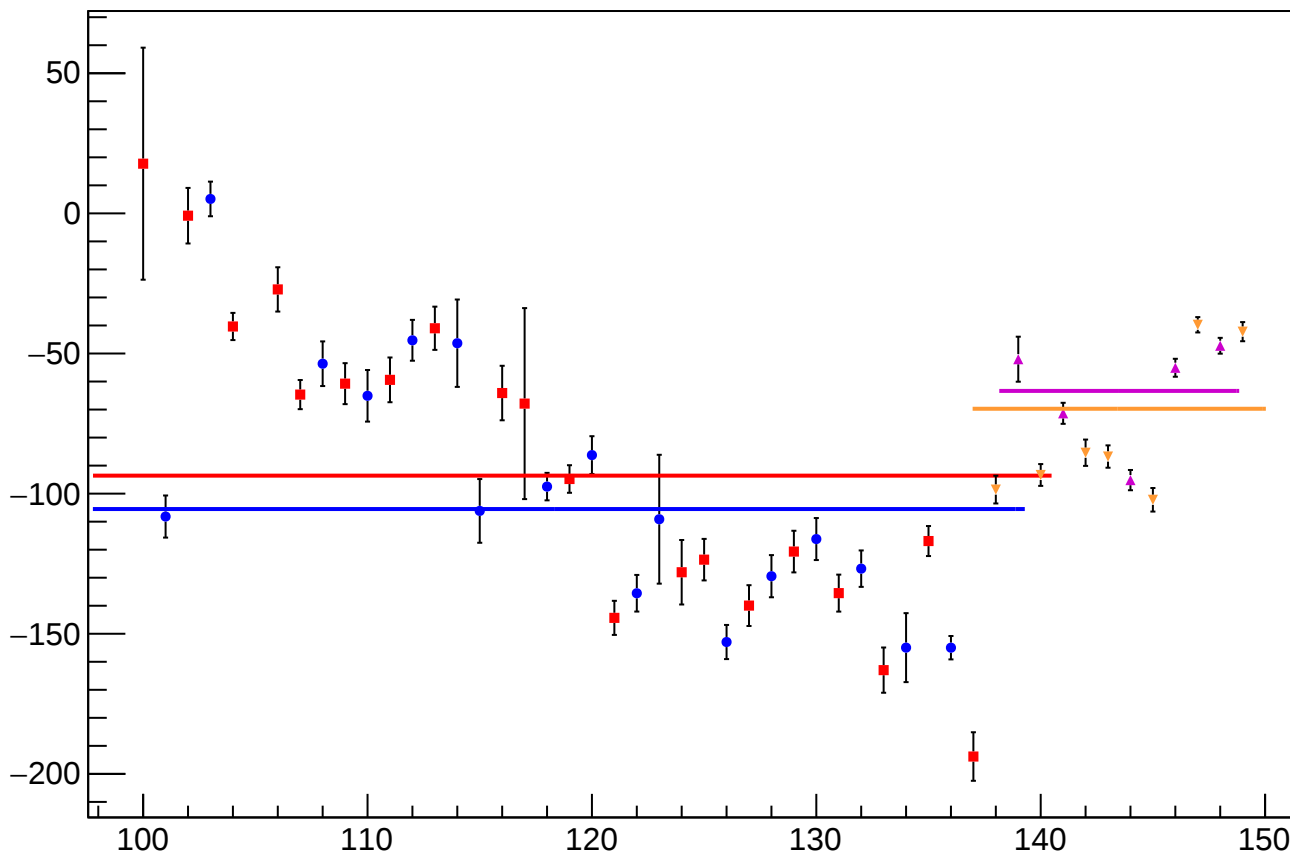
Right Out: -310.484 ± 2.520 $\chi^2/\text{NDF}: 2302.0/19$

Left In: -285.082 ± 1.967 $\chi^2/\text{NDF}: 41.2/4$

-292.108 ± 1.458 $\chi^2/\text{NDF}: 2275.1/23$

-294.700 ± 1.550 $\chi^2/\text{NDF}: 2406.4/24$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -69.716 ± 1.427 χ^2/NDF : 344.7/6

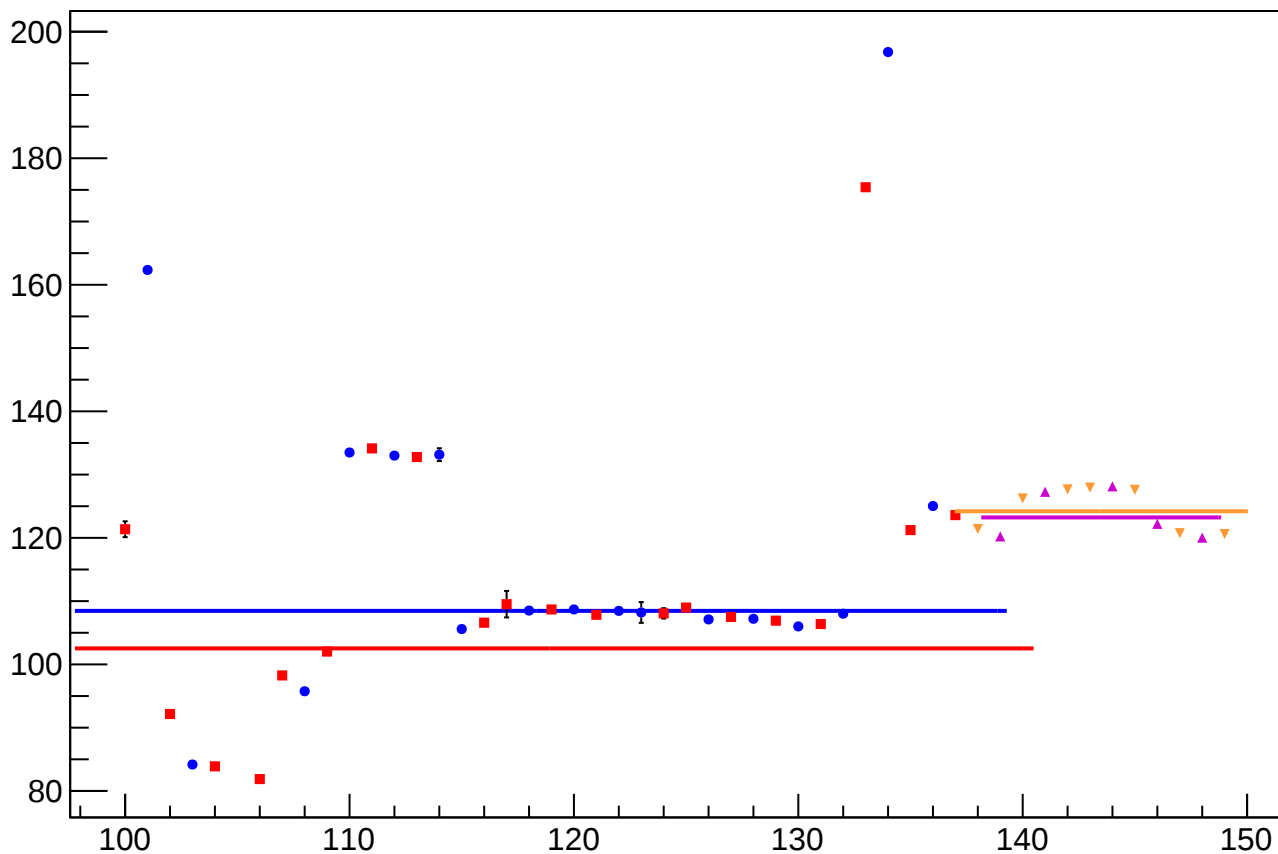
Right Out: -93.579 ± 1.608 χ^2/NDF : 827.7/19

Left In: -63.347 ± 1.609 χ^2/NDF : 123.3/4

-84.388 ± 1.096 χ^2/NDF : 1339.7/23

-78.472 ± 1.138 χ^2/NDF : 1127.5/24

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 124.208 $\pm$ 0.073 χ^2 /NDF:1932.4/6

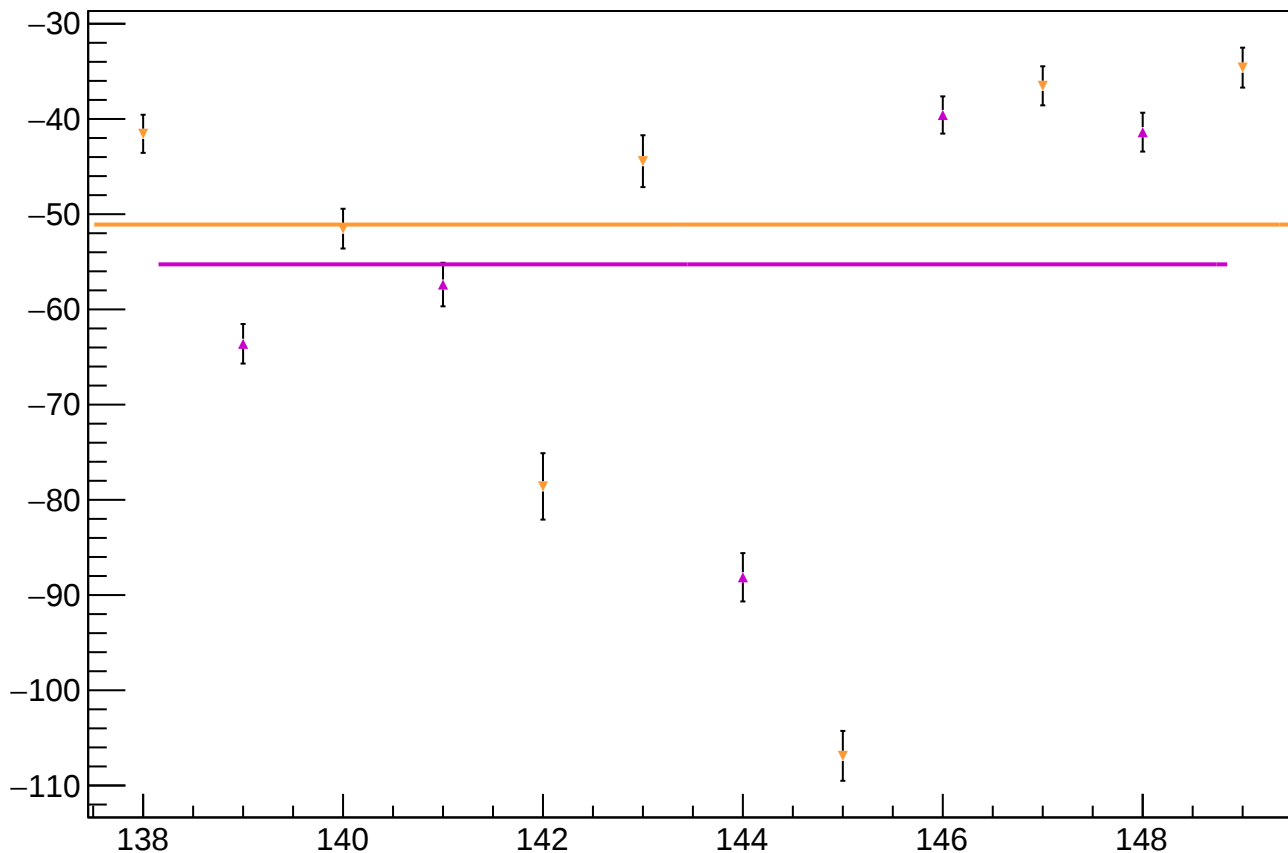
Right Out: 102.532 $\pm$ 0.079 χ^2 /NDF: 53003.2/19

Left In: 123.229 $\pm$ 0.082 χ^2 /NDF:1750.3/4

117.475 $\pm$ 0.056 χ^2 /NDF: 94883.7/23

112.564 $\pm$ 0.057 χ^2 /NDF: 87614.1/24

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -51.088+/-0.874 χ^2/NDF : 657.2/6

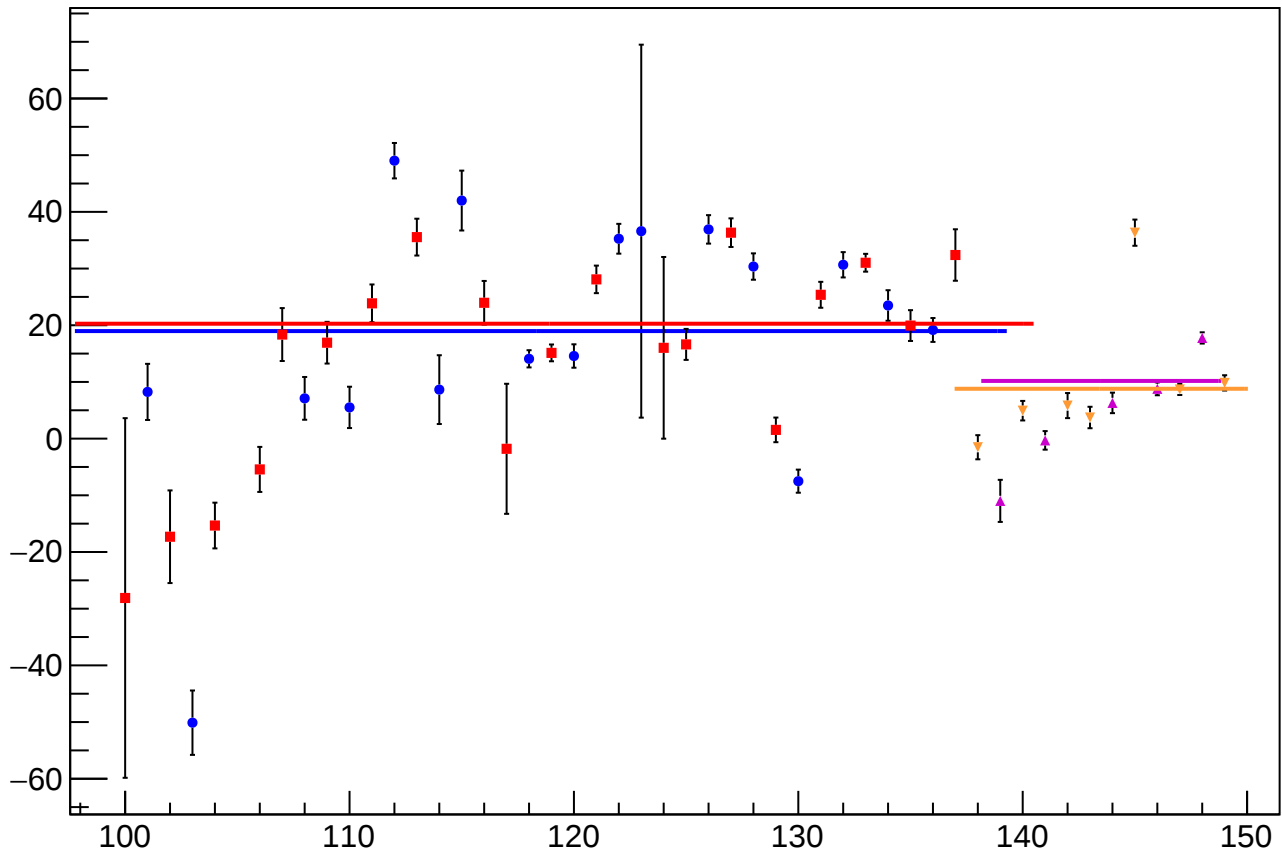
-51.088+/-0.874 χ^2/NDF : 657.2/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-55.269+/-0.962 χ^2/NDF : 295.4/4

Left In: -55.269+/-0.962 χ^2/NDF : 295.4/4

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 $\pm$ 0.653 χ^2 /NDF: 618.4/16

Left Out: 8.795 $\pm$ 0.594 χ^2 /NDF:180.1/6

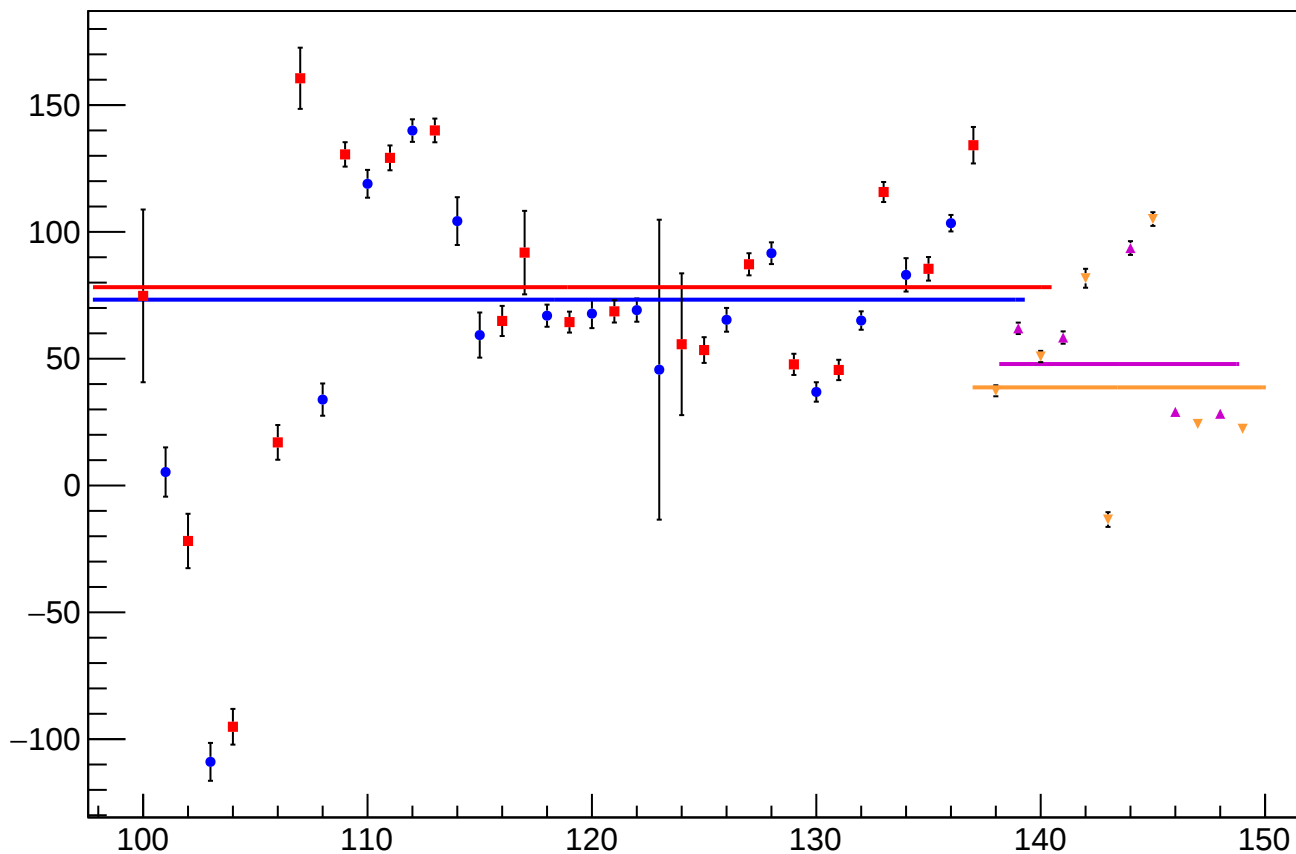
Right Out: 20.269 $\pm$ 0.641 χ^2 /NDF: 370.1/19

Left In: 10.177 $\pm$ 0.628 χ^2 /NDF:138.0/4

13.405 $\pm$ 0.440 χ^2 /NDF: 931.3/23

15.117 $\pm$ 0.449 χ^2 /NDF: 634.5/24

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 ± 1.236 χ^2/NDF : 1198.6/16

Left Out: 38.695 ± 0.886 χ^2/NDF : 1213.1/6

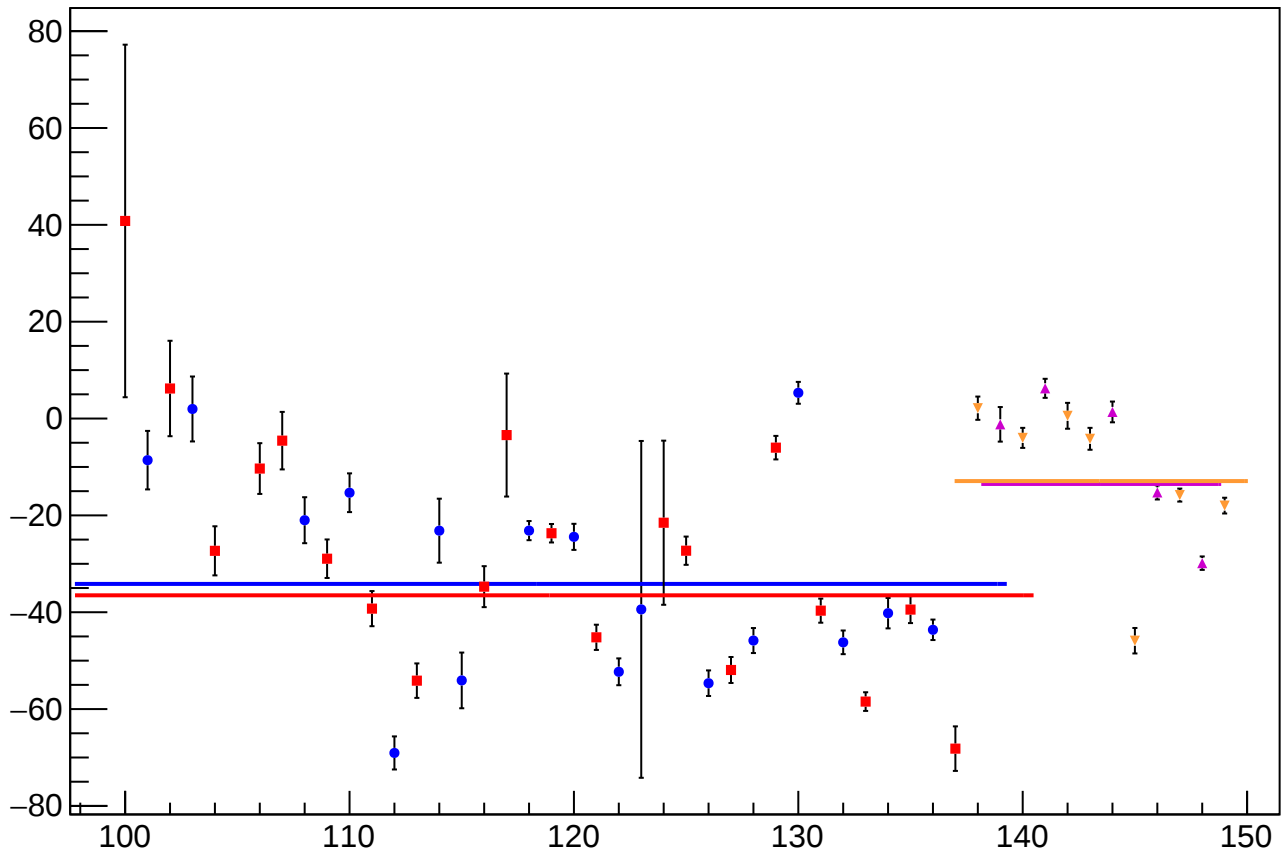
Right Out: 78.205 ± 1.219 χ^2/NDF : 1544.0/19

Left In: 47.900 ± 0.970 χ^2/NDF : 548.5/4

50.423 ± 0.720 χ^2/NDF : 2928.7/23

59.653 ± 0.759 χ^2/NDF : 2470.8/24

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -12.915 ± 0.741 $\chi^2/\text{NDF}: 269.6/6$

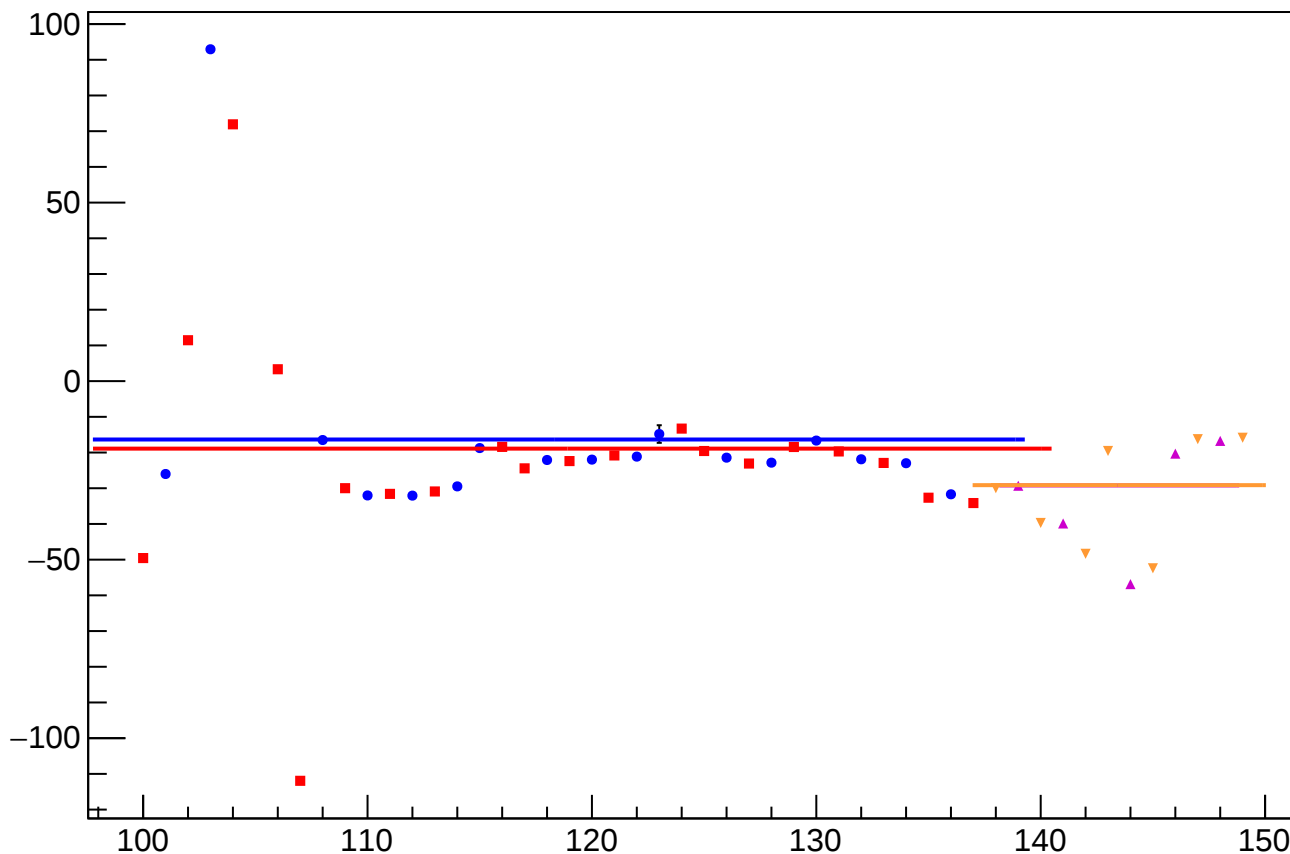
Right Out: -36.507 ± 0.735 $\chi^2/\text{NDF}: 553.8/19$

Left In: -13.509 ± 0.805 $\chi^2/\text{NDF}: 301.2/4$

-23.479 ± 0.525 $\chi^2/\text{NDF}: 1395.6/23$

-26.058 ± 0.543 $\chi^2/\text{NDF}: 1300.4/24$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -29.136 ± 0.037 $\chi^2/\text{NDF}: 127475.6/6$

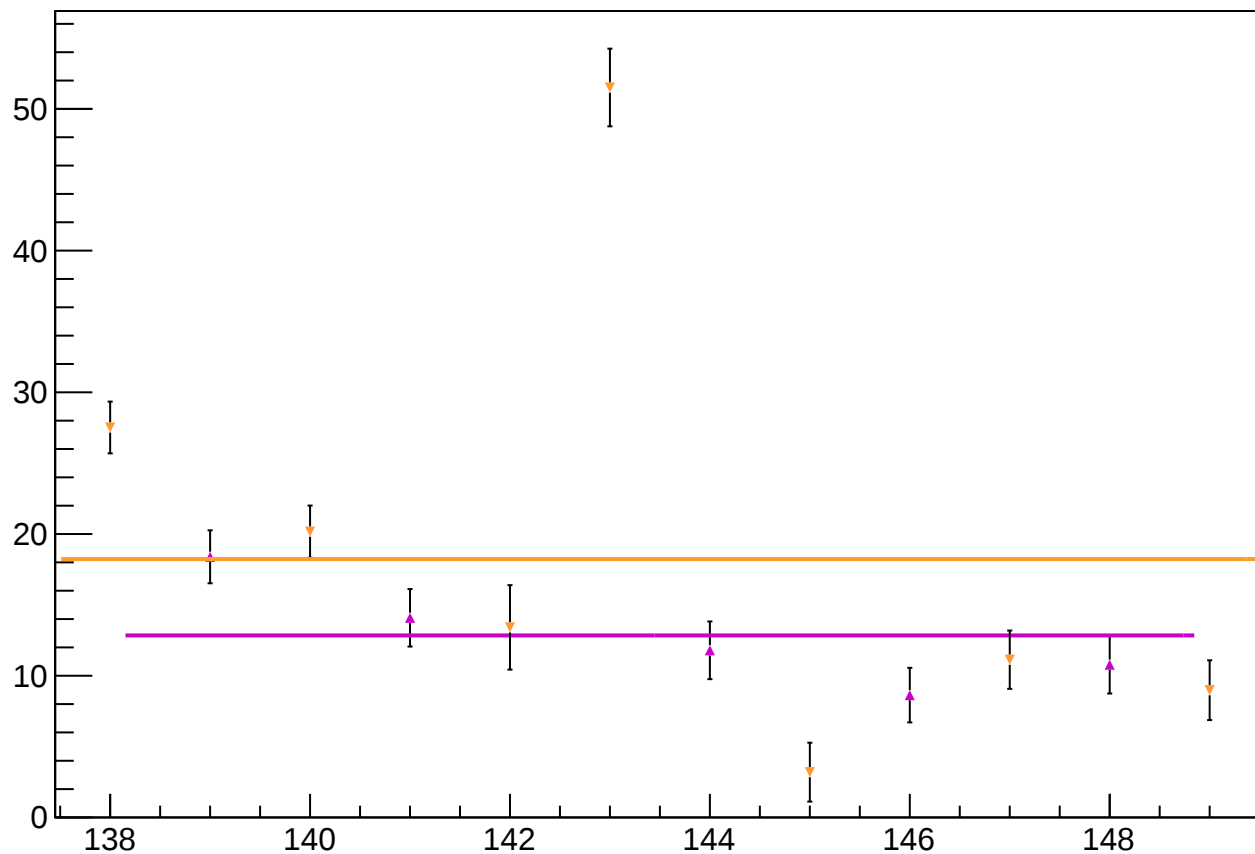
Right Out: -18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

Left In: -29.220 ± 0.040 $\chi^2/\text{NDF}: 99638.8/4$

-23.860 ± 0.029 $\chi^2/\text{NDF}: 649858.2/23$

-24.671 ± 0.030 $\chi^2/\text{NDF}: 562570.1/24$

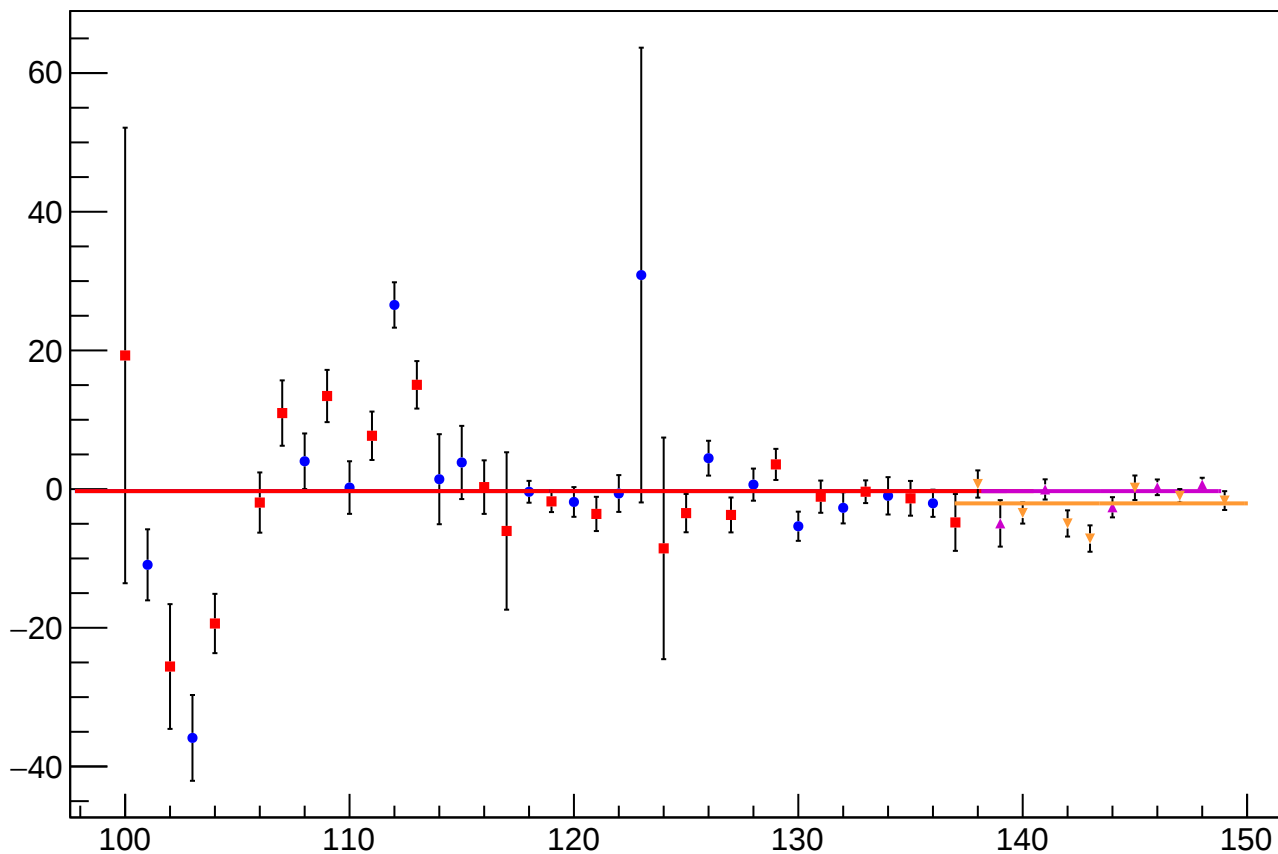
reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 18.233+/-0.808 χ^2/NDF :260.4/6
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 12.845+/-0.883 χ^2/NDF :15.3/4

18.233+/-0.808 χ^2/NDF : 260.4/6
12.845+/-0.883 χ^2/NDF : 15.3/4

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -2.058 ± 0.563 χ^2/NDF : 15.3/6

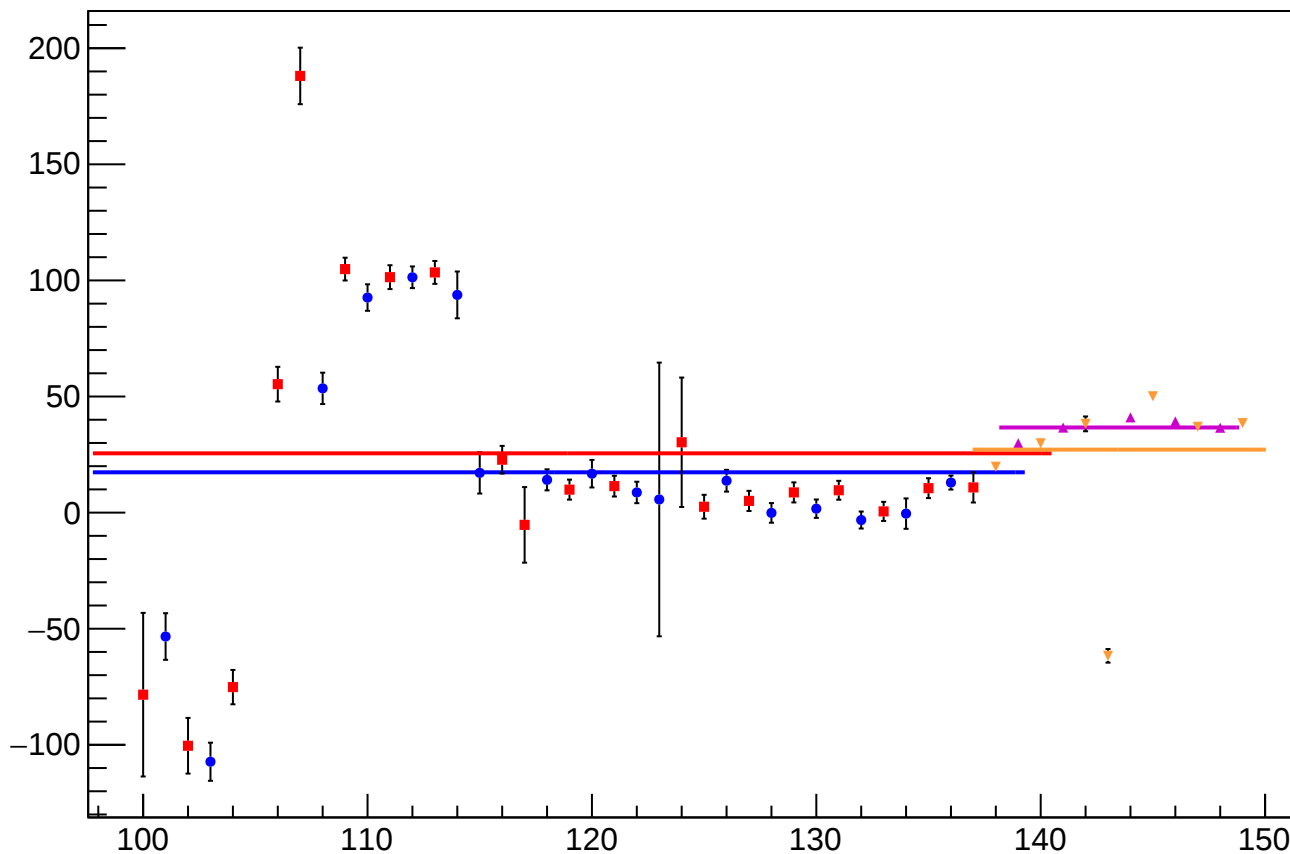
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: -0.291 ± 0.594 χ^2/NDF : 5.6/4

-1.312 ± 0.429 χ^2/NDF : 139.0/23

-0.290 ± 0.440 χ^2/NDF : 89.1/24

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 $\pm$ 1.247 χ^2/NDF : 943.0/16

Left Out: 27.130 $\pm$ 0.825 χ^2/NDF :1119.8/6

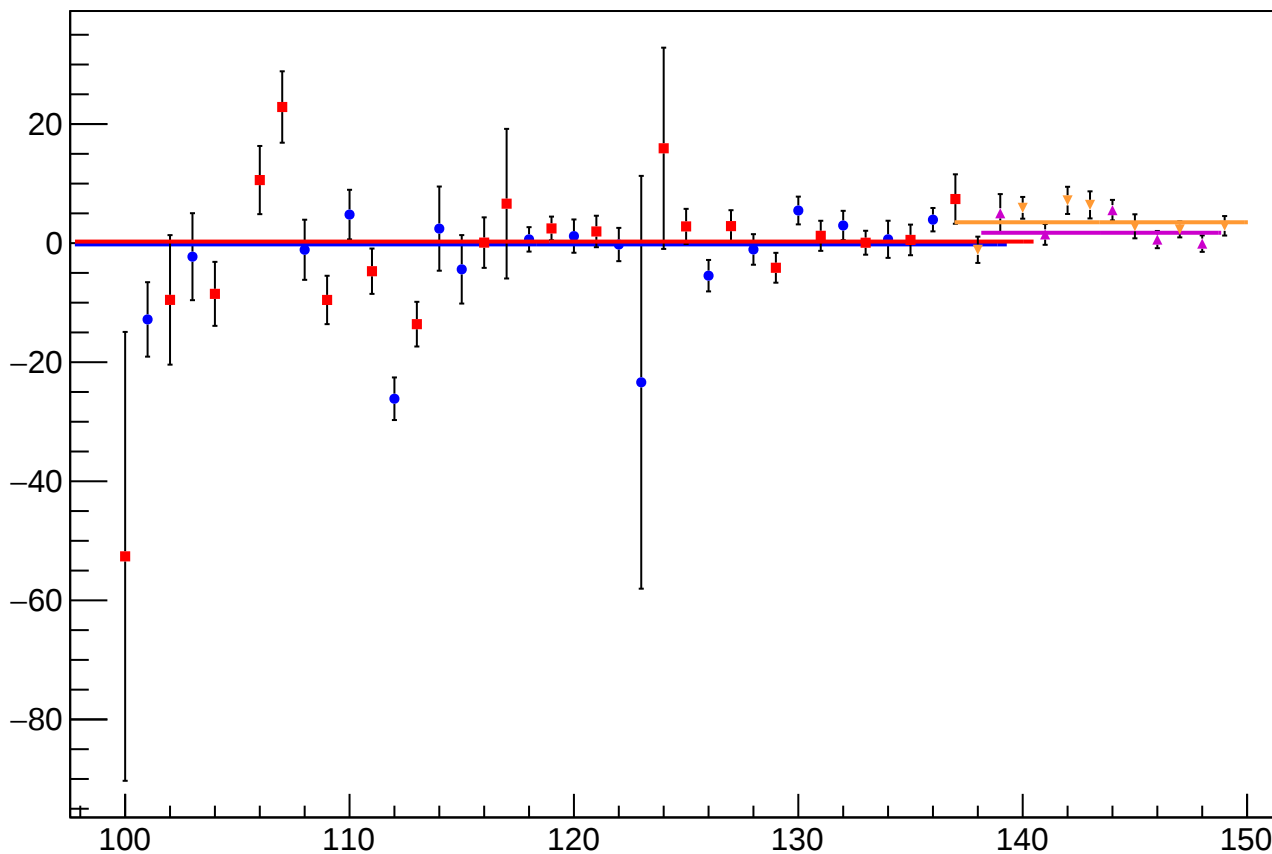
Right Out: 25.537 $\pm$ 1.239 χ^2/NDF : 1382.4/19

Left In: 36.664 $\pm$ 0.898 χ^2/NDF :17.3/4

24.155 $\pm$ 0.688 χ^2/NDF : 2105.5/23

32.832 $\pm$ 0.727 χ^2/NDF : 1452.6/24

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 3.505 ± 0.697 χ^2/NDF : 11.4/6

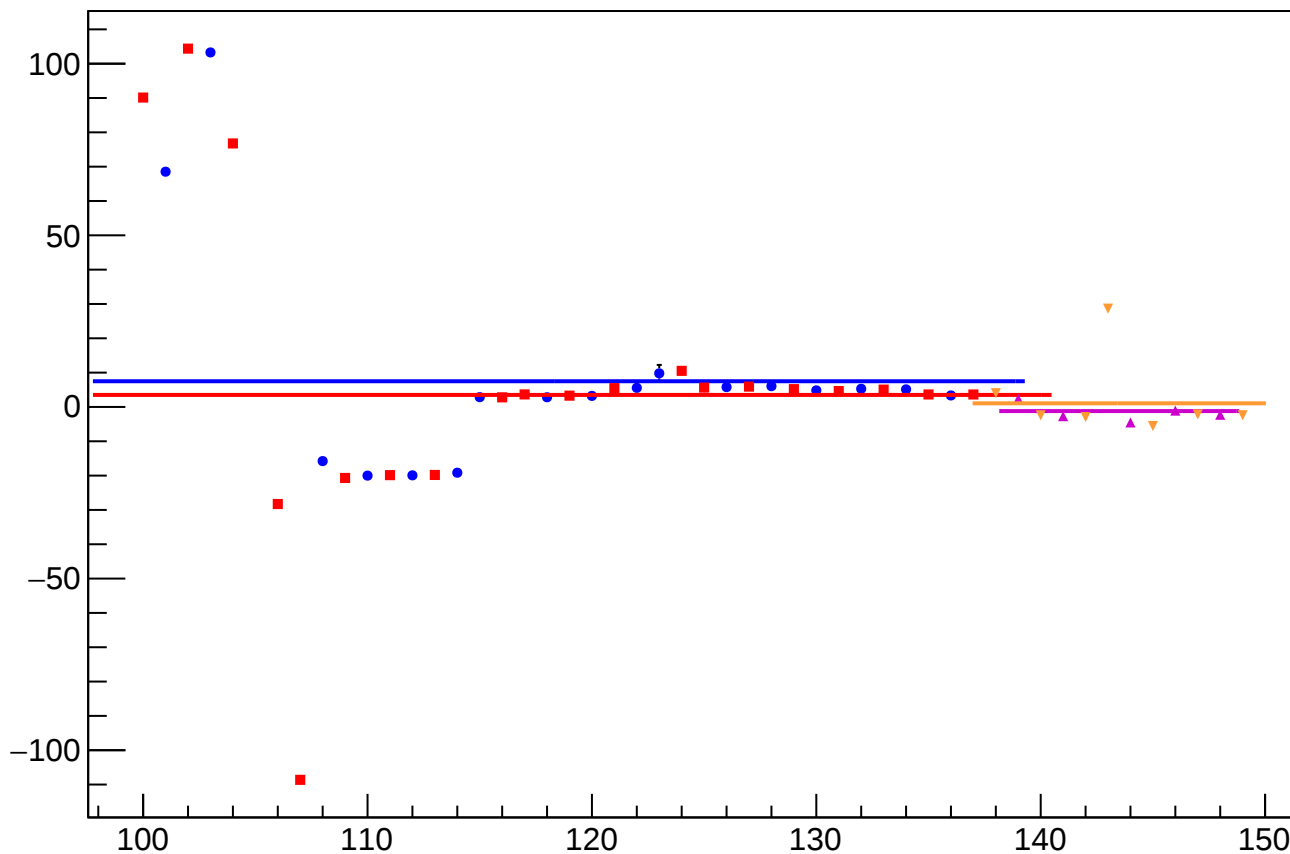
Right Out: 0.262 ± 0.747 χ^2/NDF : 54.8/19

Left In: 1.742 ± 0.753 χ^2/NDF : 8.3/4

1.788 ± 0.511 χ^2/NDF : 100.5/23

0.996 ± 0.530 χ^2/NDF : 65.0/24

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492+/-0.045 χ^2/NDF : 355979.0/16

Left Out: 1.062+/-0.035 χ^2/NDF : 68492.5/6

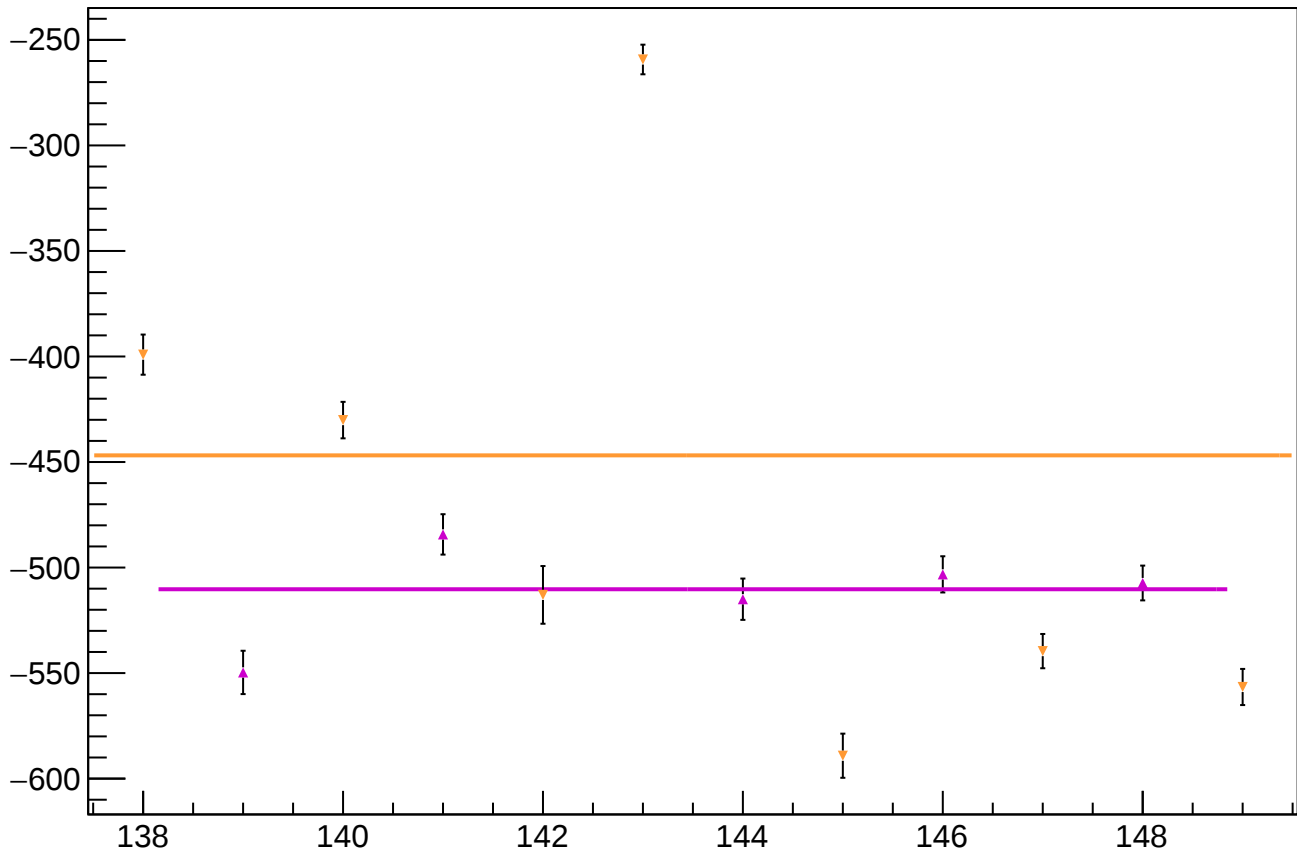
Right Out: 3.504+/-0.046 χ^2/NDF : 510579.5/19

Left In: -1.204+/-0.037 χ^2/NDF : 4185.8/4

3.473+/-0.027 χ^2/NDF : 437443.4/23

0.670+/-0.029 χ^2/NDF : 521200.2/24

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -446.847+/-3.370 χ^2/NDF : 1246.5/6

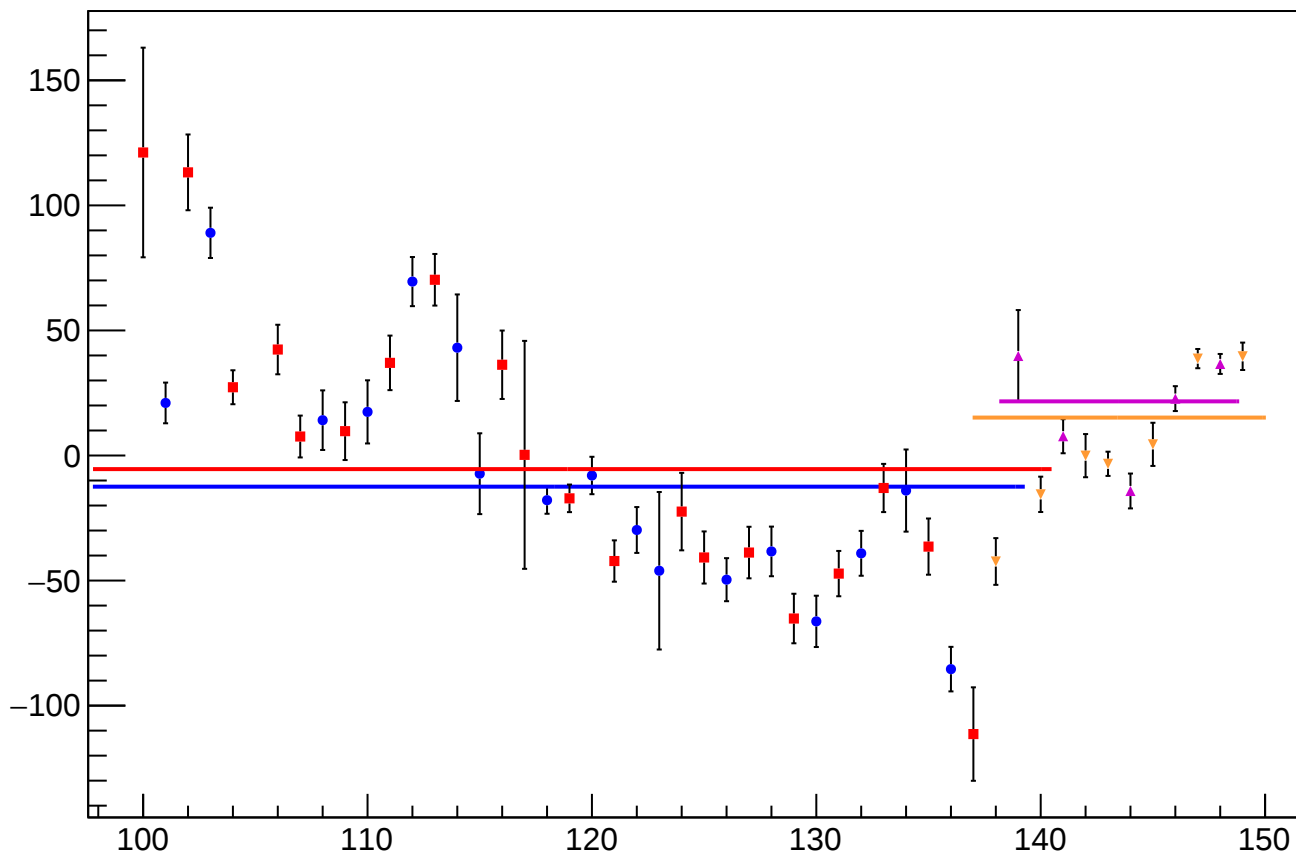
-446.847+/-3.370 χ^2/NDF : 1246.5/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-510.282+/-4.111 χ^2/NDF : 23.2/4

Left In: -510.282+/-4.111 χ^2/NDF : 23.2/4

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 15.166 ± 2.225 χ^2/NDF : 133.6/6

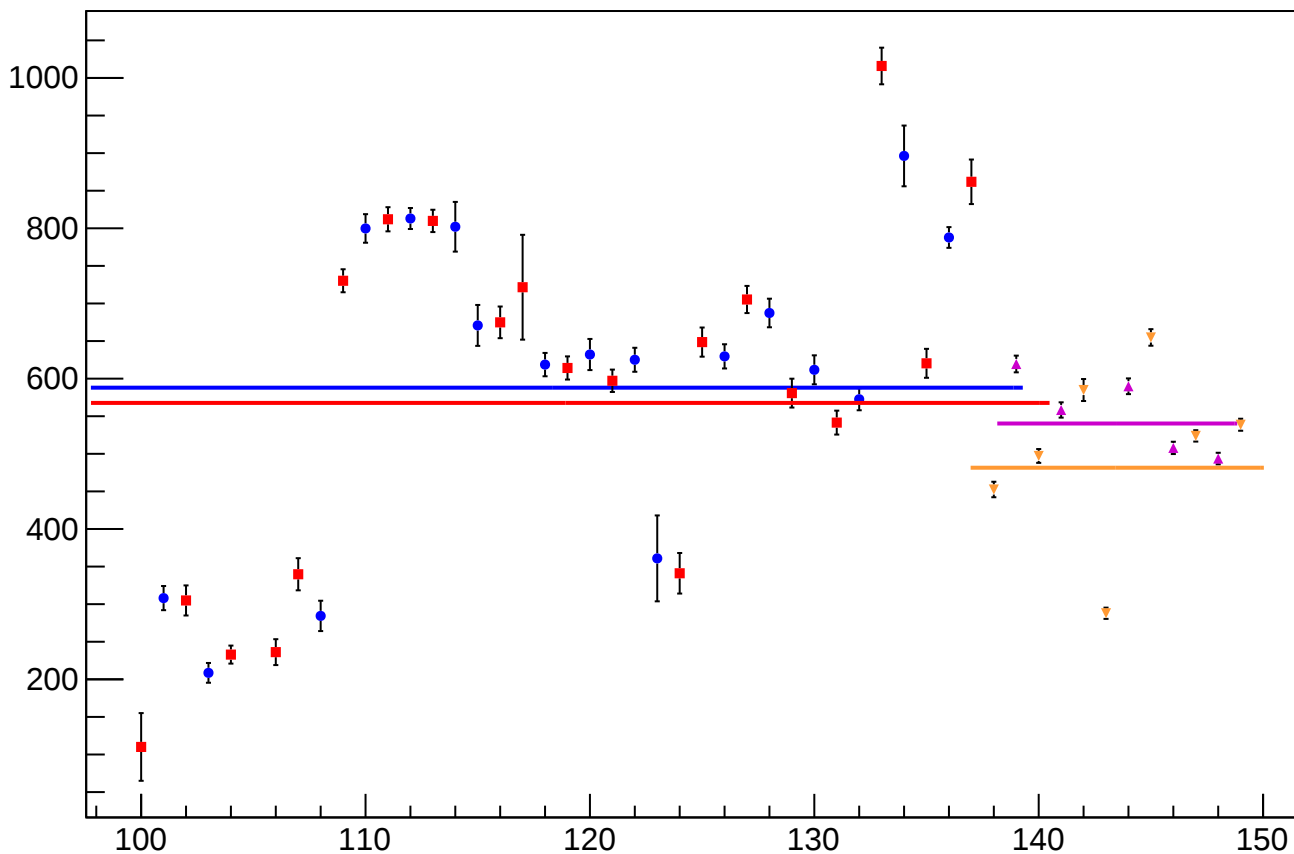
Right Out: -5.439 ± 2.256 χ^2/NDF : 345.0/19

Left In: 21.647 ± 2.597 χ^2/NDF : 45.7/4

2.097 ± 1.615 χ^2/NDF : 547.6/23

6.209 ± 1.703 χ^2/NDF : 452.7/24

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 481.504 ± 3.431 χ^2/NDF : 1058.3/6

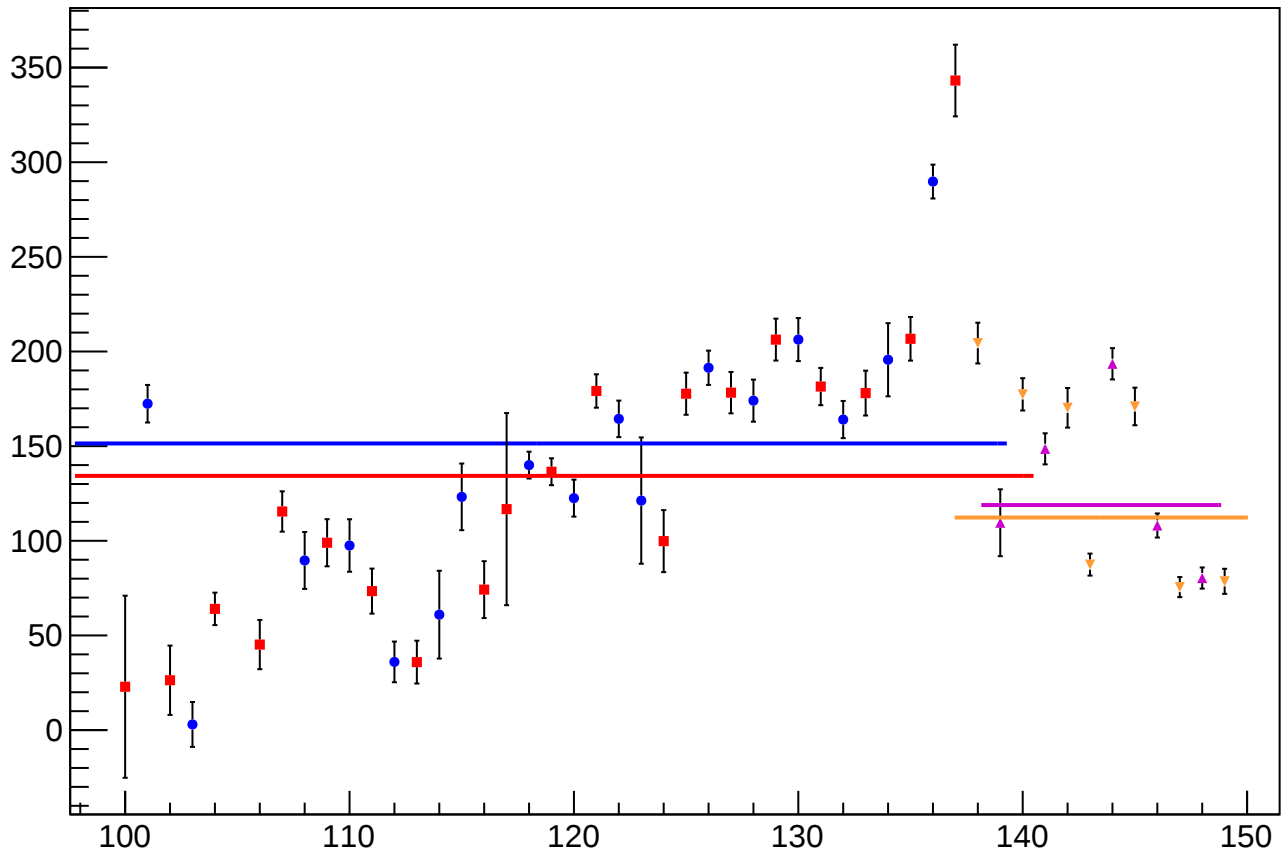
Right Out: 567.720 ± 4.129 χ^2/NDF : 2788.1/19

Left In: 540.322 ± 4.133 χ^2/NDF : 128.4/4

522.313 ± 2.695 χ^2/NDF : 3557.1/23

554.036 ± 2.921 χ^2/NDF : 2938.4/24

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 ± 2.709 χ^2/NDF : 633.3/16

Left Out: 112.305 ± 2.778 χ^2/NDF : 289.2/6

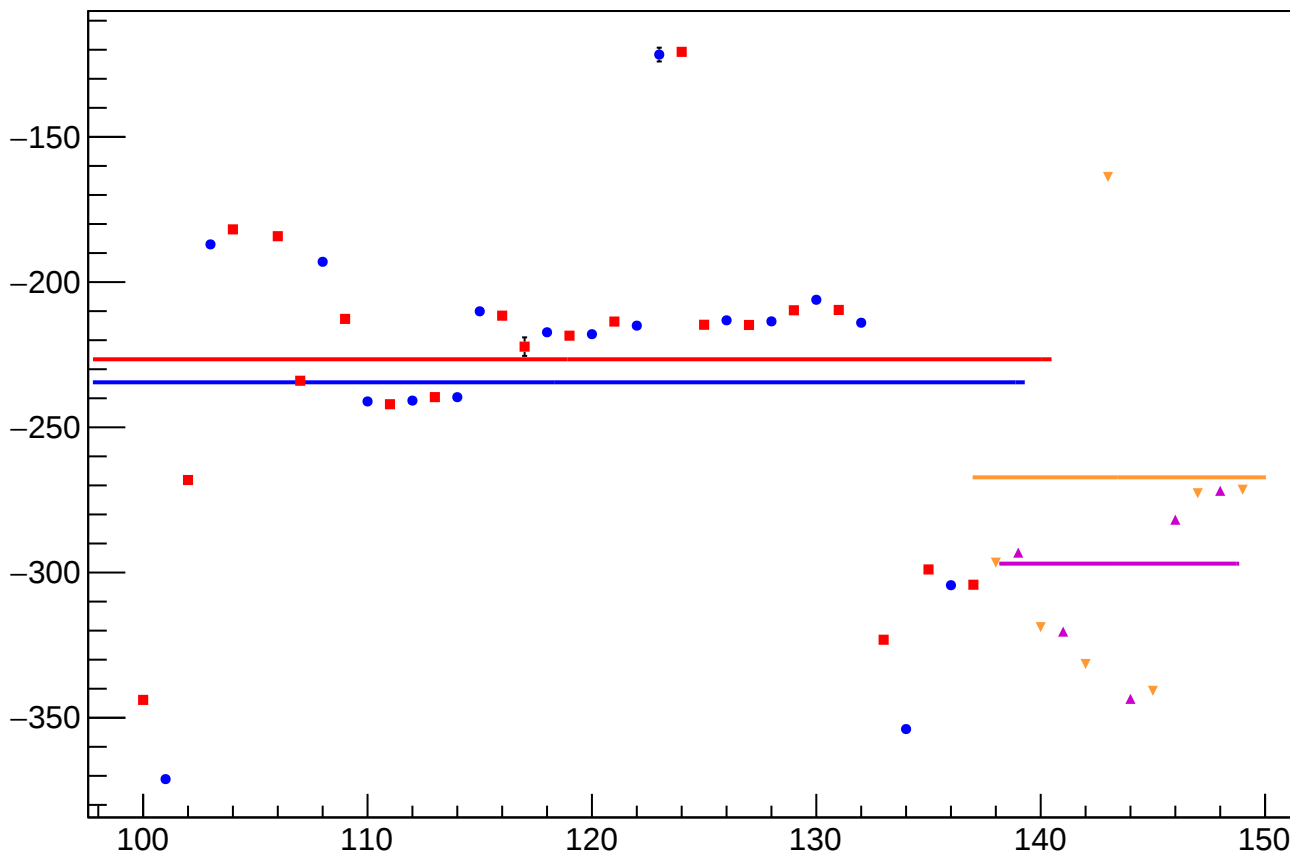
Right Out: 134.299 ± 2.612 χ^2/NDF : 585.0/19

Left In: 118.882 ± 3.345 χ^2/NDF : 145.4/4

132.353 ± 1.939 χ^2/NDF : 1024.1/23

128.459 ± 2.059 χ^2/NDF : 743.6/24

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -267.221+/-0.145 χ^2/NDF :180842.7/6

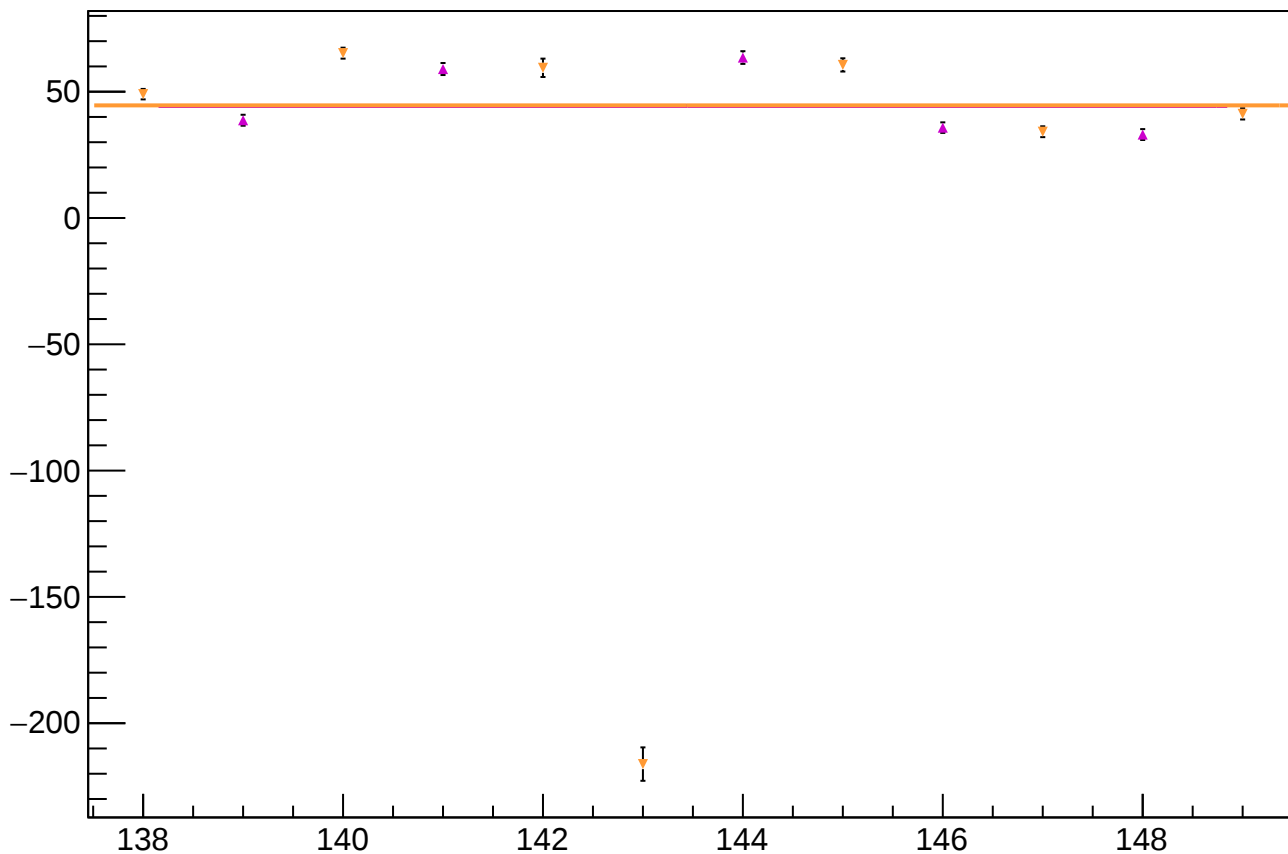
Right Out: -226.572+/-0.141 χ^2/NDF : 98970.7/19

Left In: -296.938+/-0.173 χ^2/NDF :20992.8/4

-251.288+/-0.104 χ^2/NDF : 350621.1/23

-254.684+/-0.109 χ^2/NDF : 219080.1/24

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 44.581+/-0.949 χ^2/NDF :1730.4/6

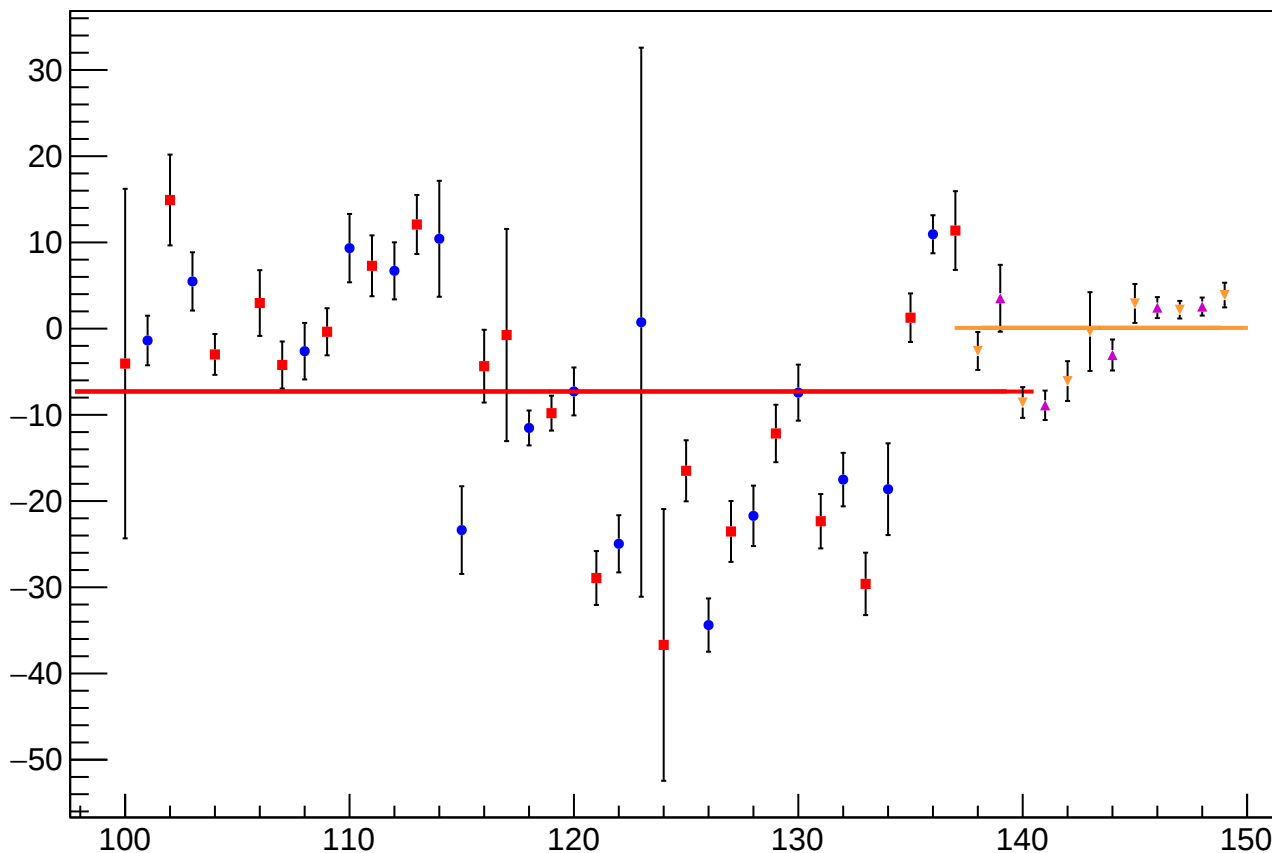
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 44.341+/-1.003 χ^2/NDF :147.3/4

44.581+/-0.949 χ^2/NDF : 1730.4/6

44.341+/-1.003 χ^2/NDF : 147.3/4

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.081 ± 0.645 χ^2/NDF : 45.1/6

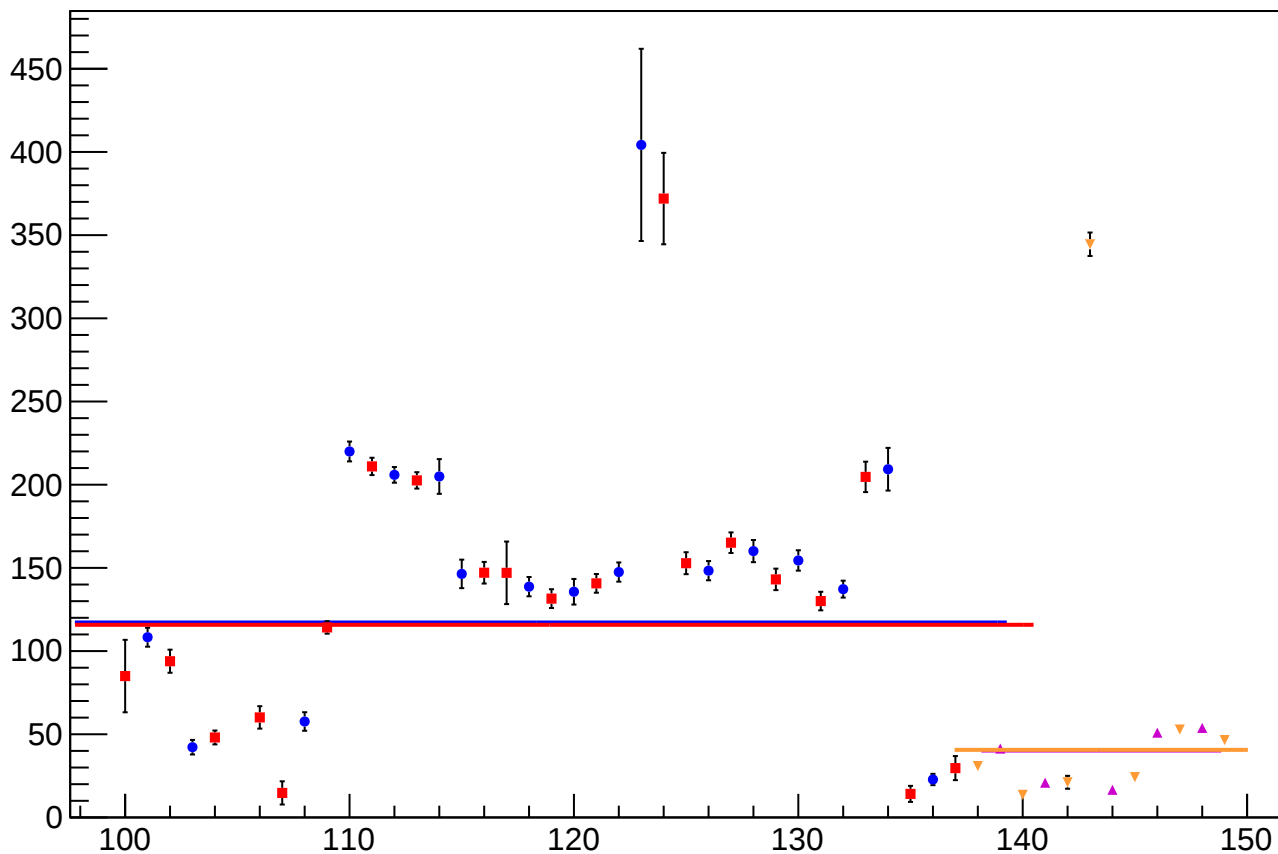
Right Out: -7.298 ± 0.759 χ^2/NDF : 255.6/19

Left In: 0.095 ± 0.658 χ^2/NDF : 40.9/4

-2.871 ± 0.499 χ^2/NDF : 380.6/23

-3.074 ± 0.497 χ^2/NDF : 350.7/24

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 40.634+/-0.959 χ^2/NDF :2116.2/6

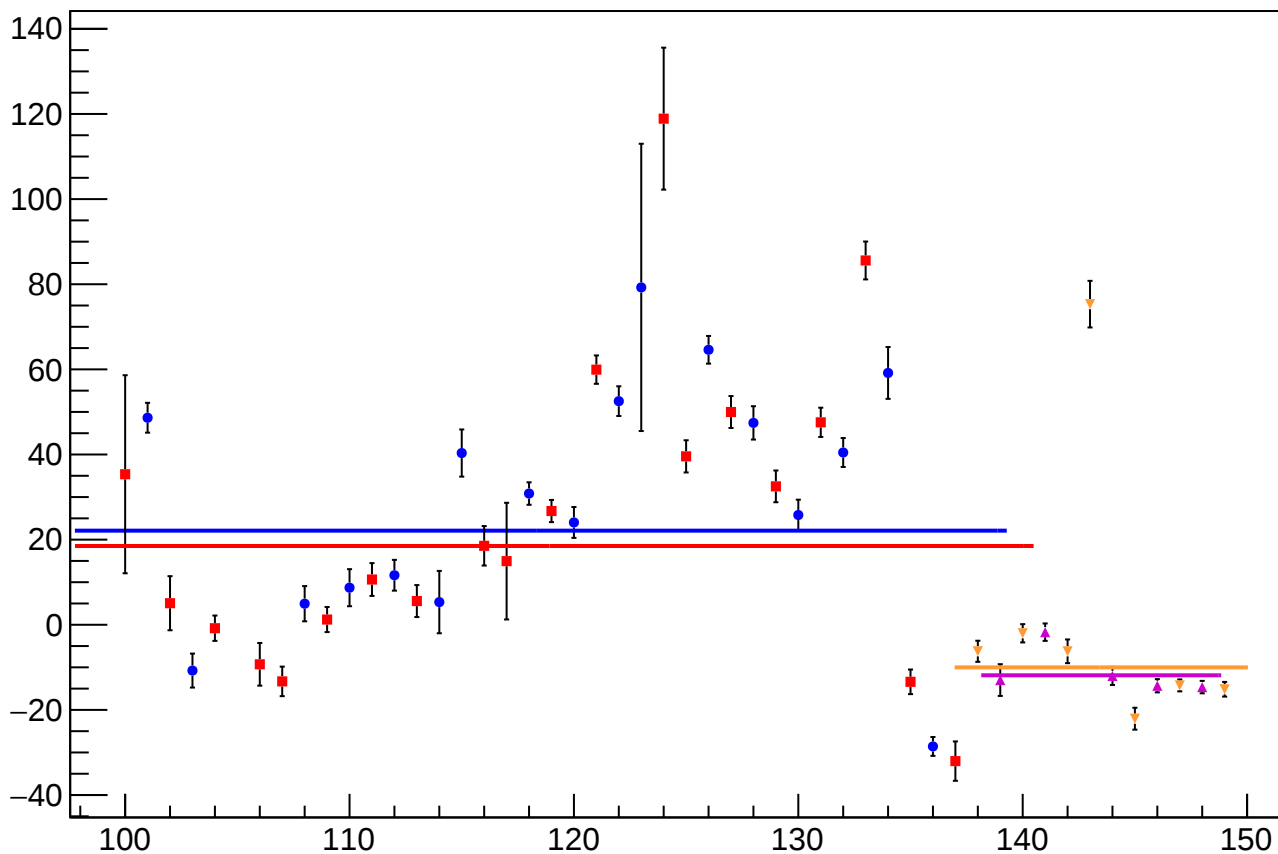
Right Out: 115.795+/-1.357 χ^2/NDF : 2140.4/19

Left In: 40.212+/-1.014 χ^2/NDF :210.1/4

64.710+/-0.794 χ^2/NDF : 6279.7/23

67.266+/-0.812 χ^2/NDF : 4341.0/24

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 ± 0.898 χ^2/NDF : 1070.3/16

Left Out: -10.012 ± 0.807 χ^2/NDF : 300.9/6

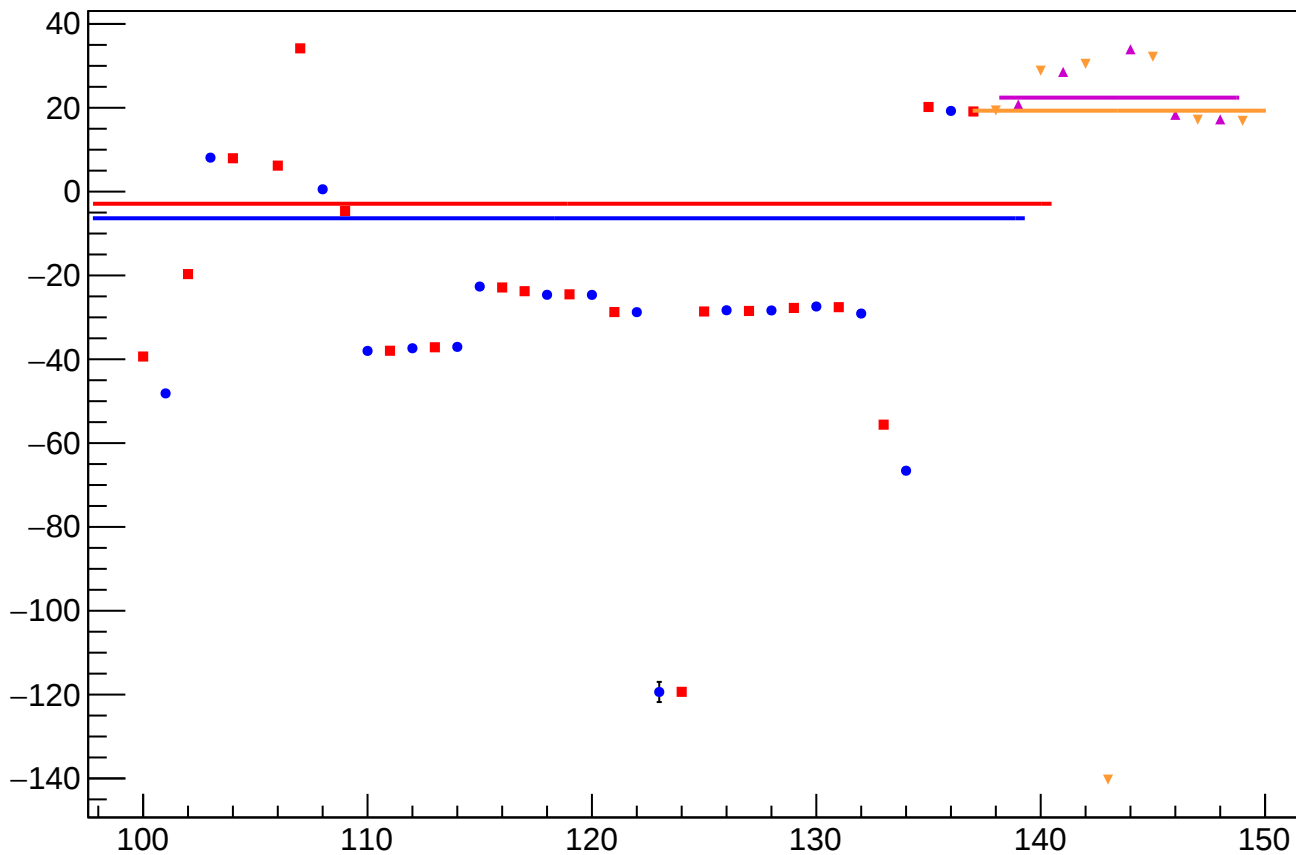
Right Out: 18.506 ± 0.869 χ^2/NDF : 1068.6/19

Left In: -11.869 ± 0.842 χ^2/NDF : 30.7/4

4.333 ± 0.600 χ^2/NDF : 2079.0/23

2.825 ± 0.605 χ^2/NDF : 1729.5/24

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 19.308 ± 0.041 χ^2/NDF : 347524.4/6

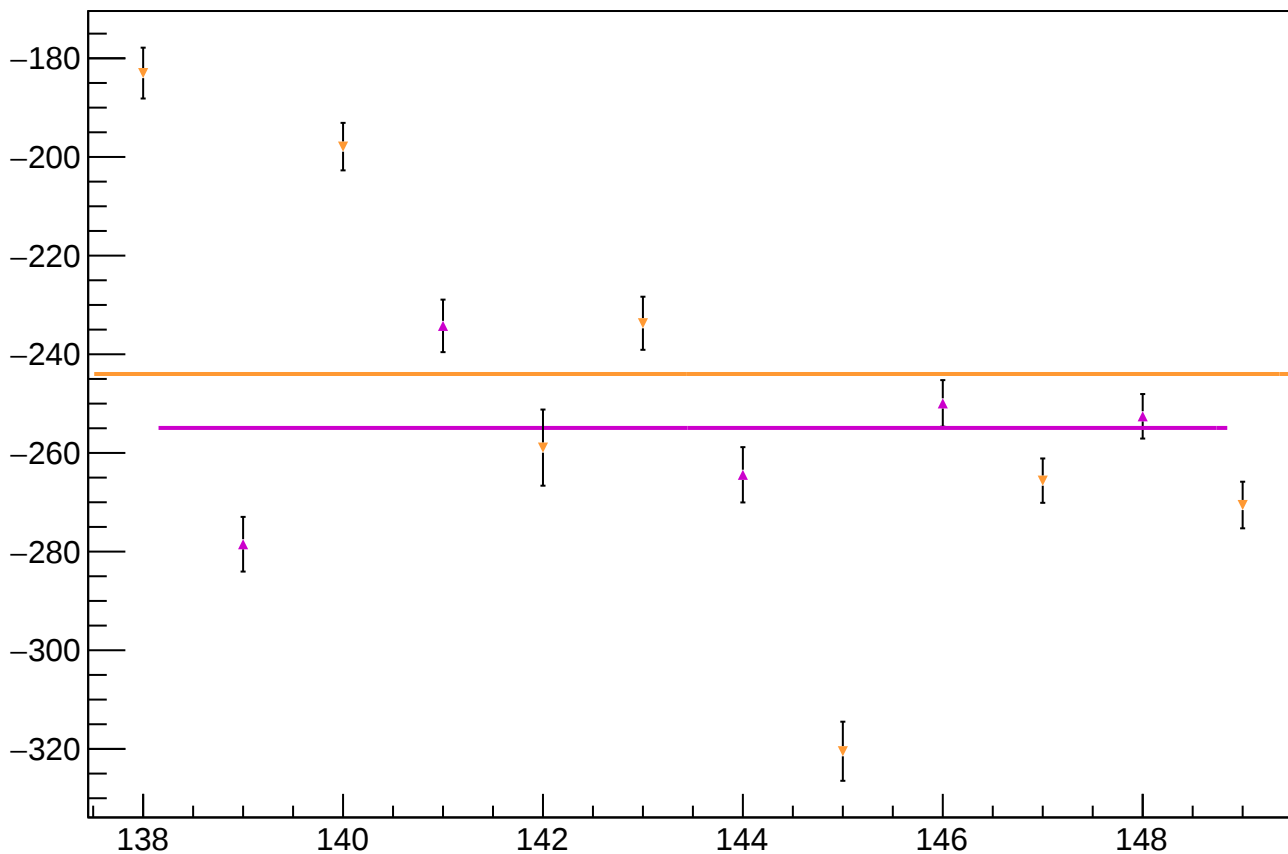
Right Out: -2.896 ± 0.046 χ^2/NDF : 266162.6/19

Left In: 22.421 ± 0.042 χ^2/NDF : 19254.1/4

8.146 ± 0.031 χ^2/NDF : 785859.9/23

10.847 ± 0.031 χ^2/NDF : 452149.7/24

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -243.997+/-1.983 χ^2/NDF : 456.8/6

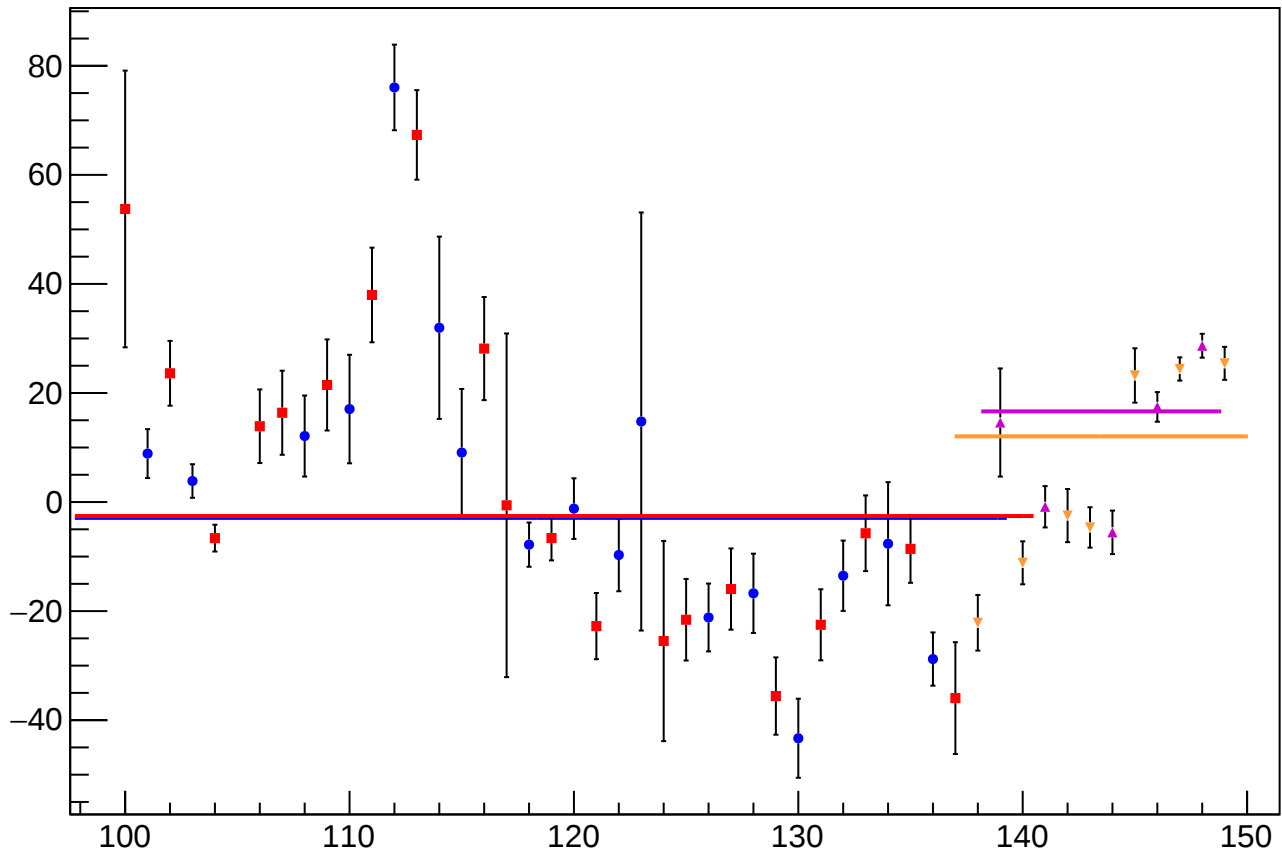
-243.997+/-1.983 χ^2/NDF : 456.8/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -254.932+/-2.272 χ^2/NDF : 37.4/4

-254.932+/-2.272 χ^2/NDF : 37.4/4

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 12.047 ± 1.305 χ^2/NDF : 167.0/6

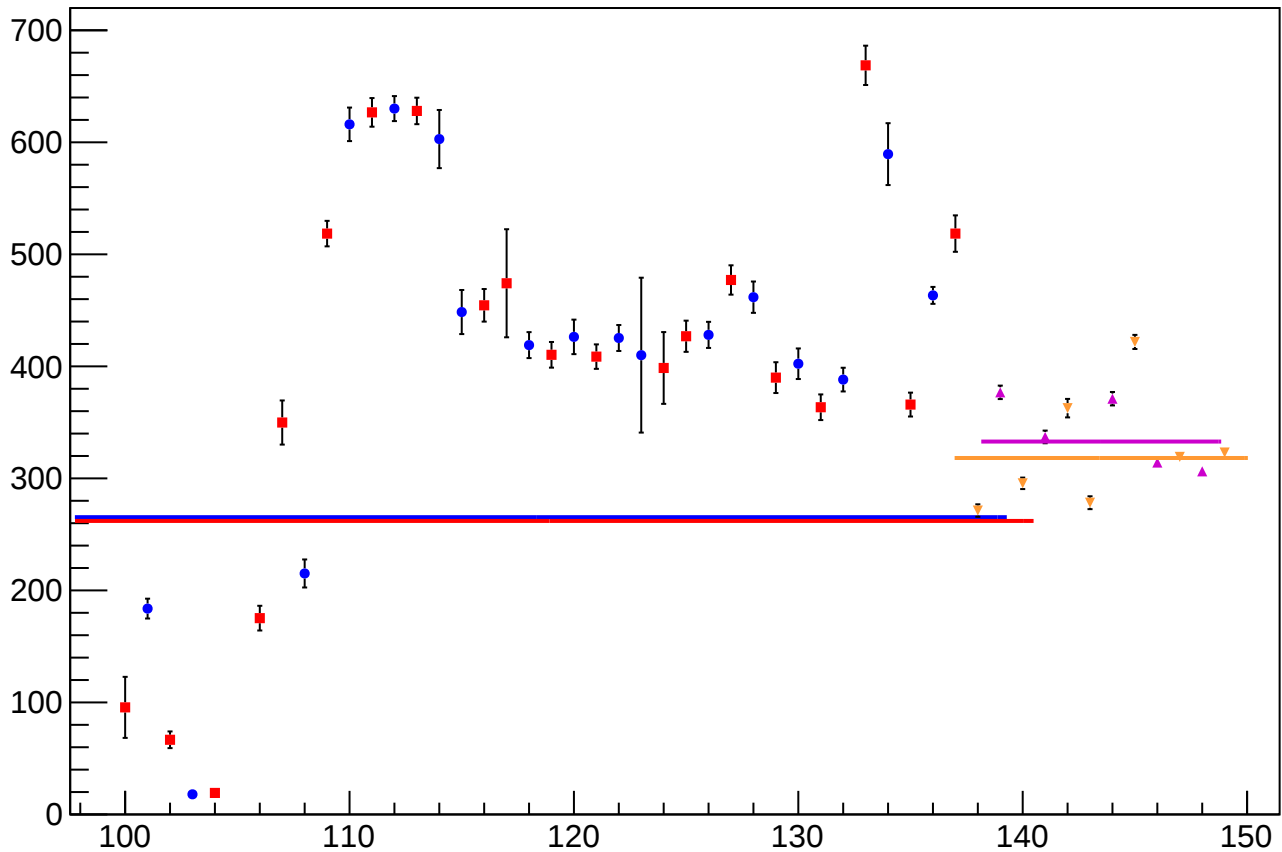
Right Out: -2.566 ± 1.395 χ^2/NDF : 218.2/19

Left In: 16.626 ± 1.433 χ^2/NDF : 82.6/4

5.447 ± 0.975 χ^2/NDF : 428.5/23

6.772 ± 1.000 χ^2/NDF : 392.9/24

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2/NDF : 7633.8/16

Left Out: 318.205 $\pm$ 2.007 χ^2/NDF : 439.7/6

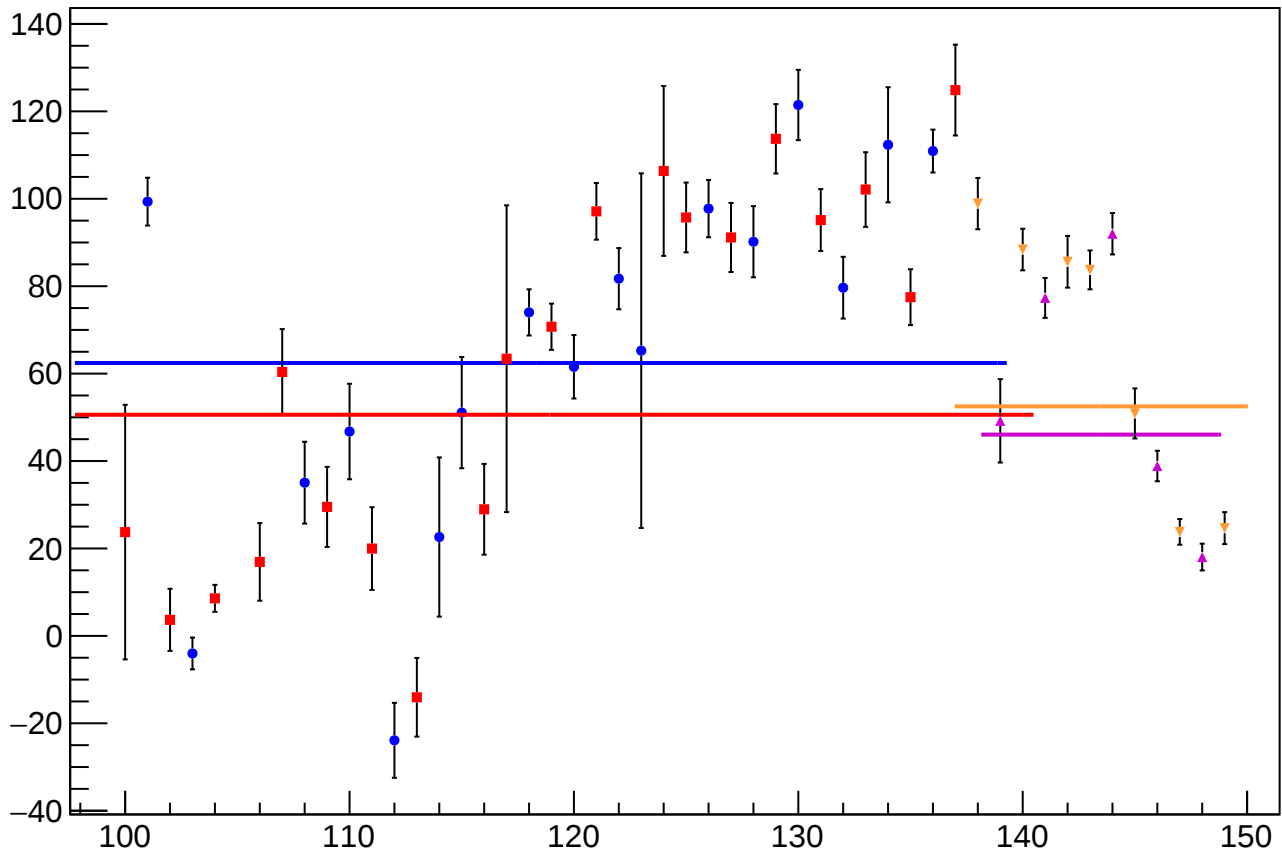
Right Out: 262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

Left In: 332.872 $\pm$ 2.283 χ^2/NDF : 151.5/4

297.379 $\pm$ 1.562 χ^2/NDF : 8346.7/23

300.015 $\pm$ 1.672 χ^2/NDF : 8822.0/24

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 $\pm$ 1.694 χ^2/NDF : 721.8/16

Left Out: 52.507 $\pm$ 1.636 χ^2/NDF : 353.7/6

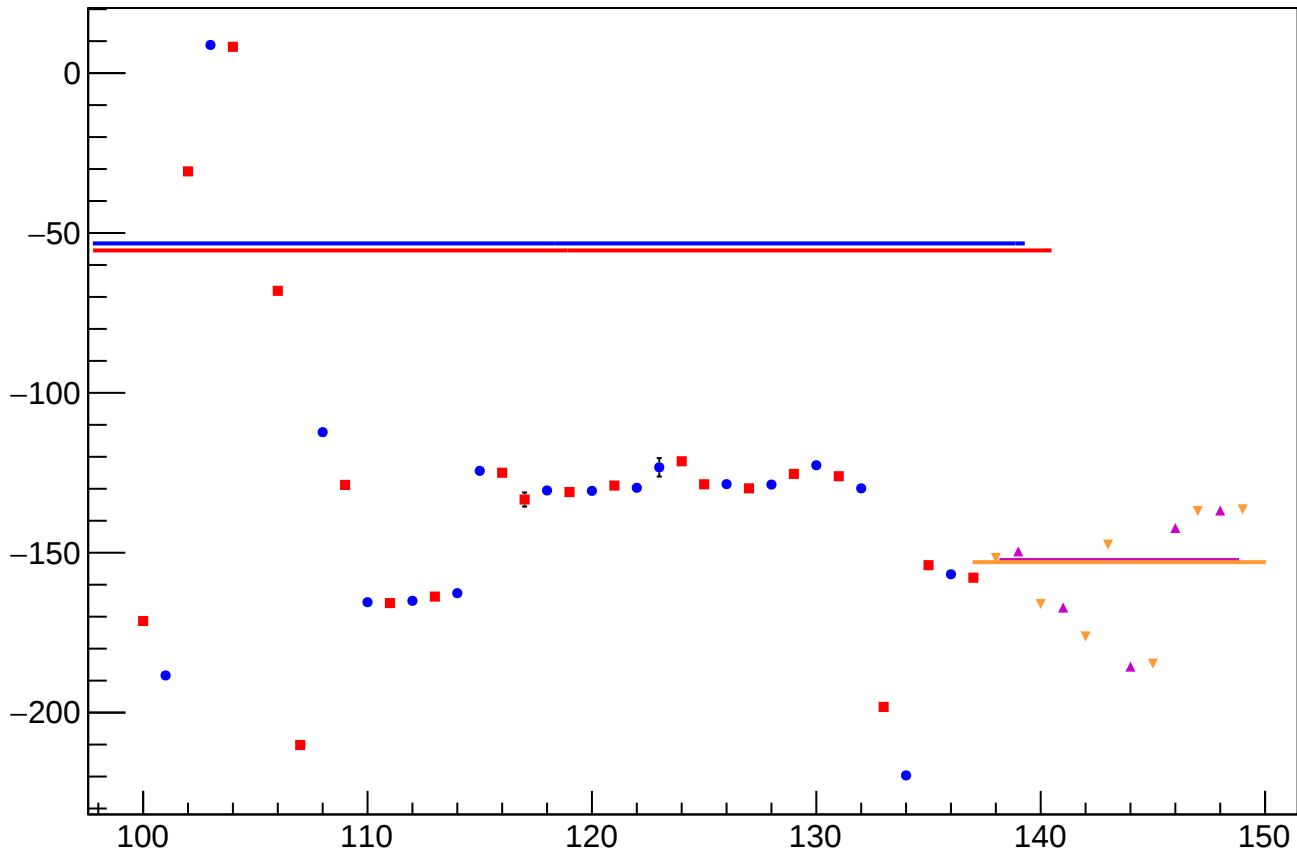
Right Out: 50.588 $\pm$ 1.640 χ^2/NDF : 657.5/19

Left In: 46.048 $\pm$ 1.849 χ^2/NDF : 229.3/4

57.298 $\pm$ 1.177 χ^2/NDF : 1093.2/23

48.589 $\pm$ 1.227 χ^2/NDF : 890.2/24

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264+/-0.070 χ^2/NDF : 1225492.9/16

Left Out: -152.947+/-0.085 χ^2/NDF : 39121.2/6

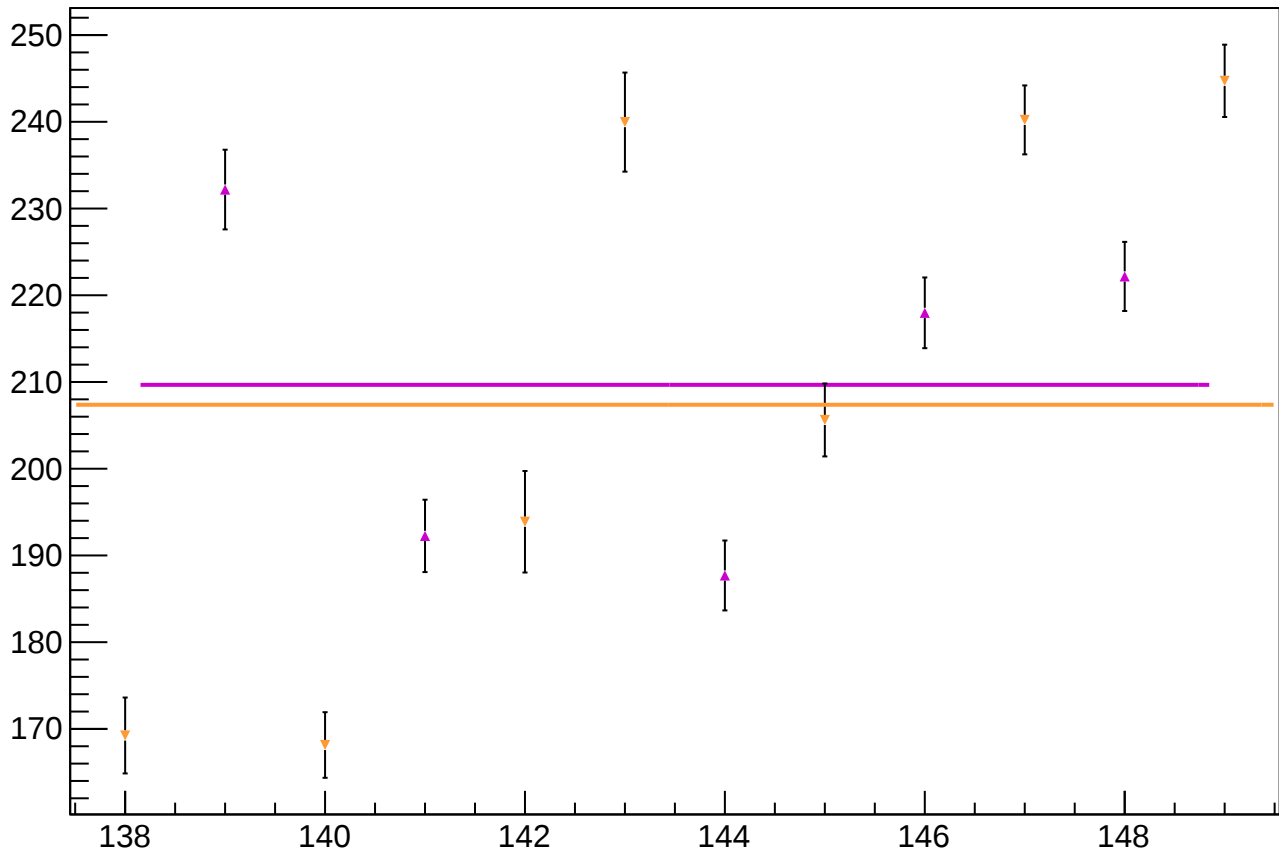
Right Out: -55.455+/-0.072 χ^2/NDF : 968274.5/19

Left In: -152.295+/-0.095 χ^2/NDF : 30126.9/4

-93.582+/-0.054 χ^2/NDF : 2075261.4/23

-90.508+/-0.057 χ^2/NDF : 1654790.7/24

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 207.374 $\pm$ 1.668 χ^2 /NDF: 370.1/6

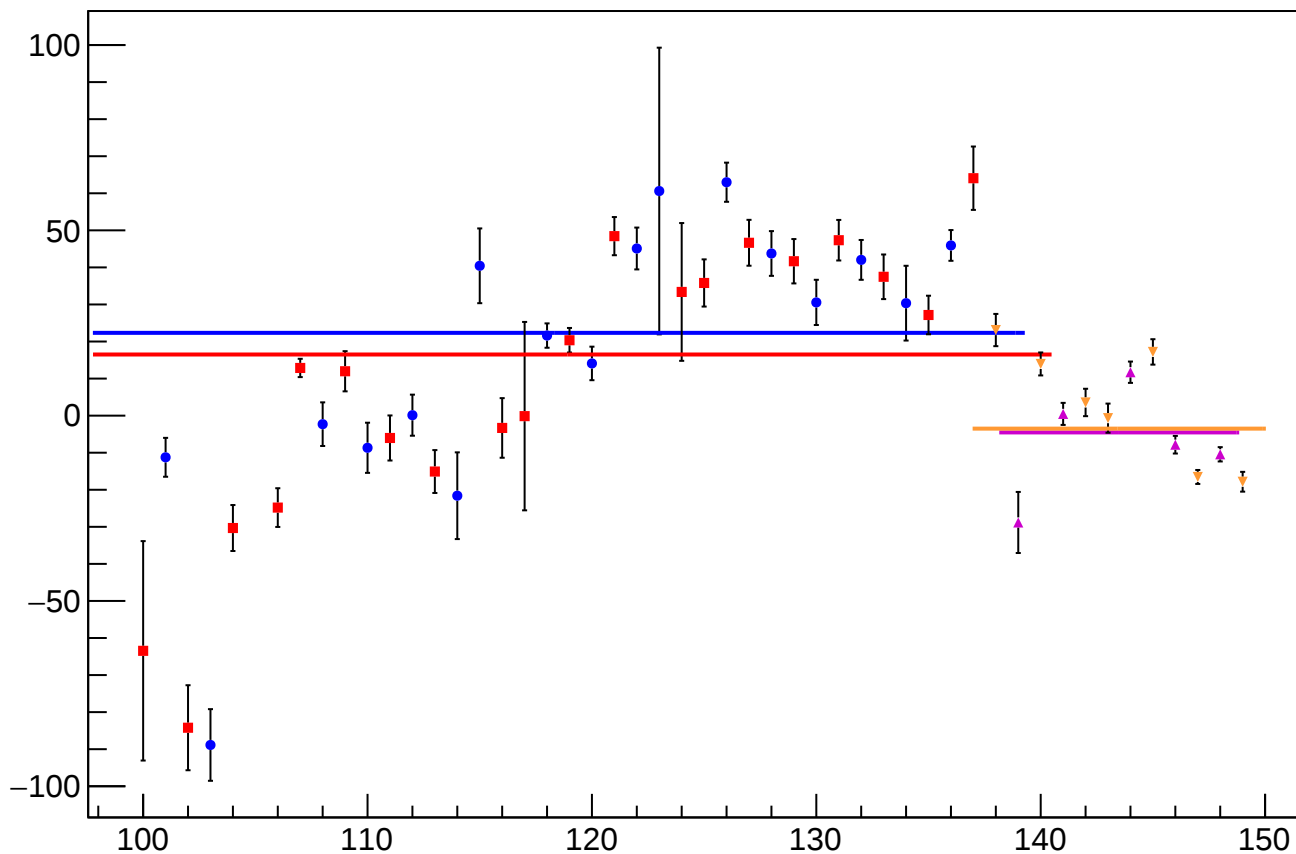
207.374 $\pm$ 1.668 χ^2 /NDF: 370.1/6

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

Left In: 209.672 $\pm$ 1.858 χ^2 /NDF: 85.2/4

209.672 $\pm$ 1.858 χ^2 /NDF: 85.2/4

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 ± 1.395 $\chi^2/\text{NDF}: 385.8/16$

Left Out: -3.503 ± 1.117 $\chi^2/\text{NDF}: 186.5/6$

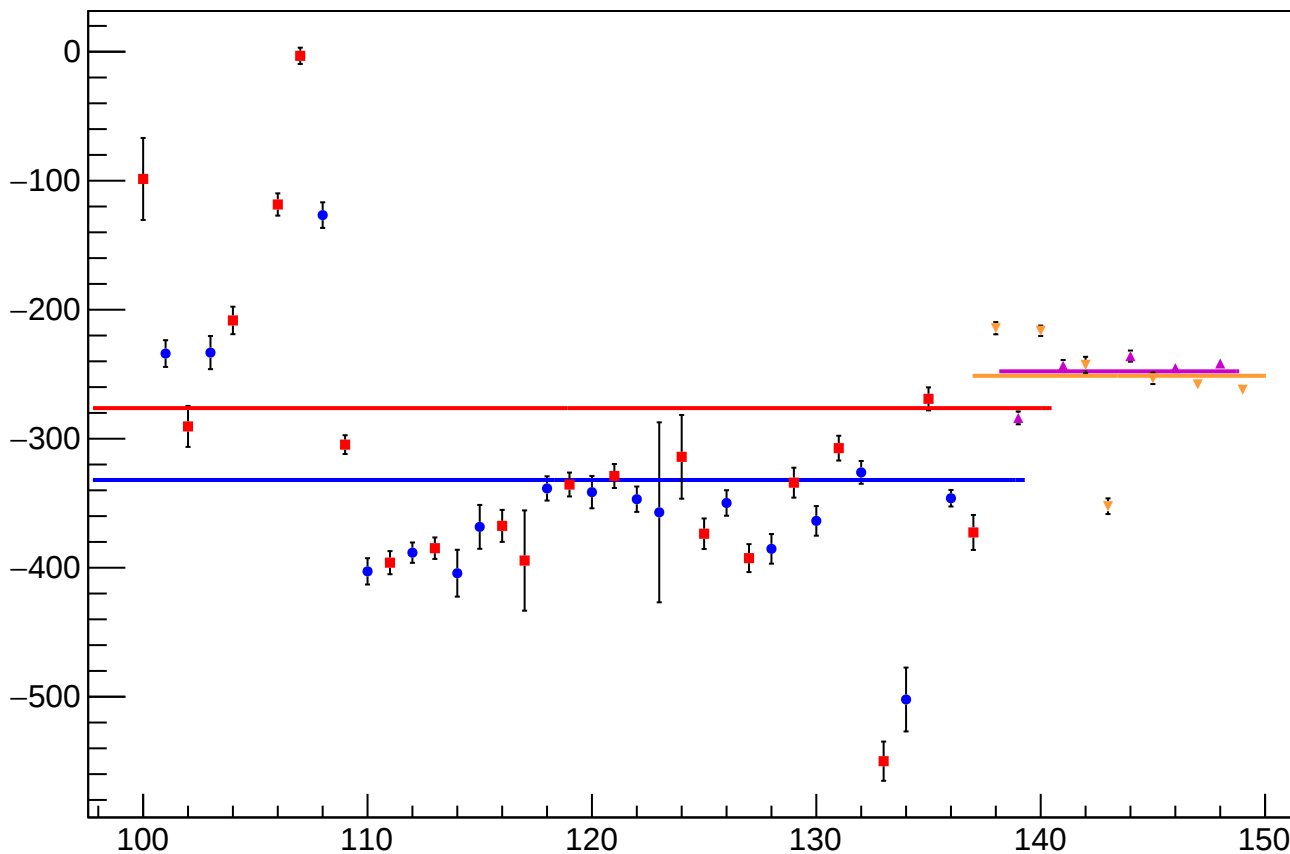
Right Out: 16.498 ± 1.226 $\chi^2/\text{NDF}: 427.0/19$

Left In: -4.529 ± 1.201 $\chi^2/\text{NDF}: 54.7/4$

6.588 ± 0.872 $\chi^2/\text{NDF}: 781.4/23$

5.768 ± 0.858 $\chi^2/\text{NDF}: 631.8/24$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -251.245 ± 1.697 χ^2/NDF : 423.5/6

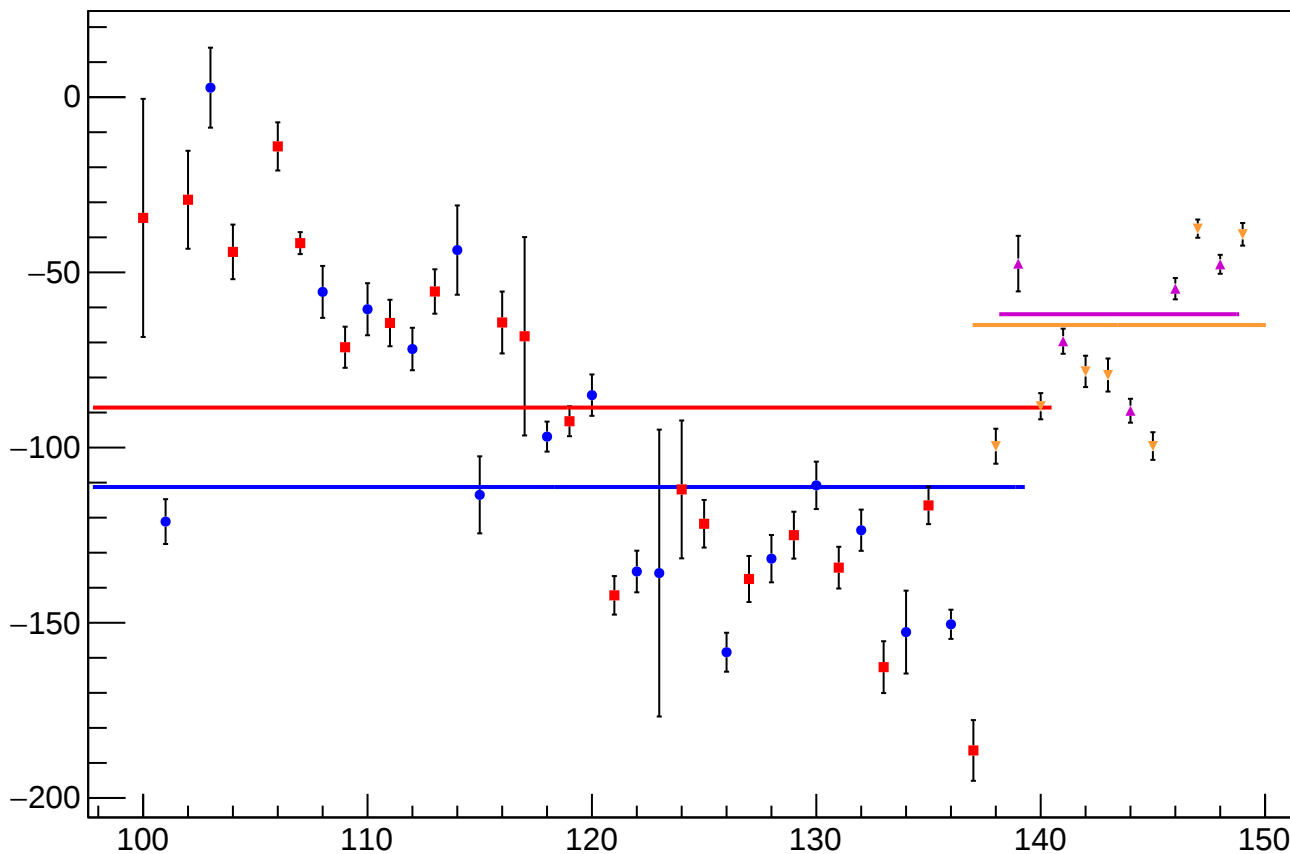
Right Out: -276.265 ± 2.320 χ^2/NDF : 3371.5/19

Left In: -247.767 ± 1.881 χ^2/NDF : 64.2/4

-275.623 ± 1.418 χ^2/NDF : 1892.1/23

-259.069 ± 1.461 χ^2/NDF : 3526.7/24

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -65.028 ± 1.394 $\chi^2/\text{NDF}: 357.3/6$

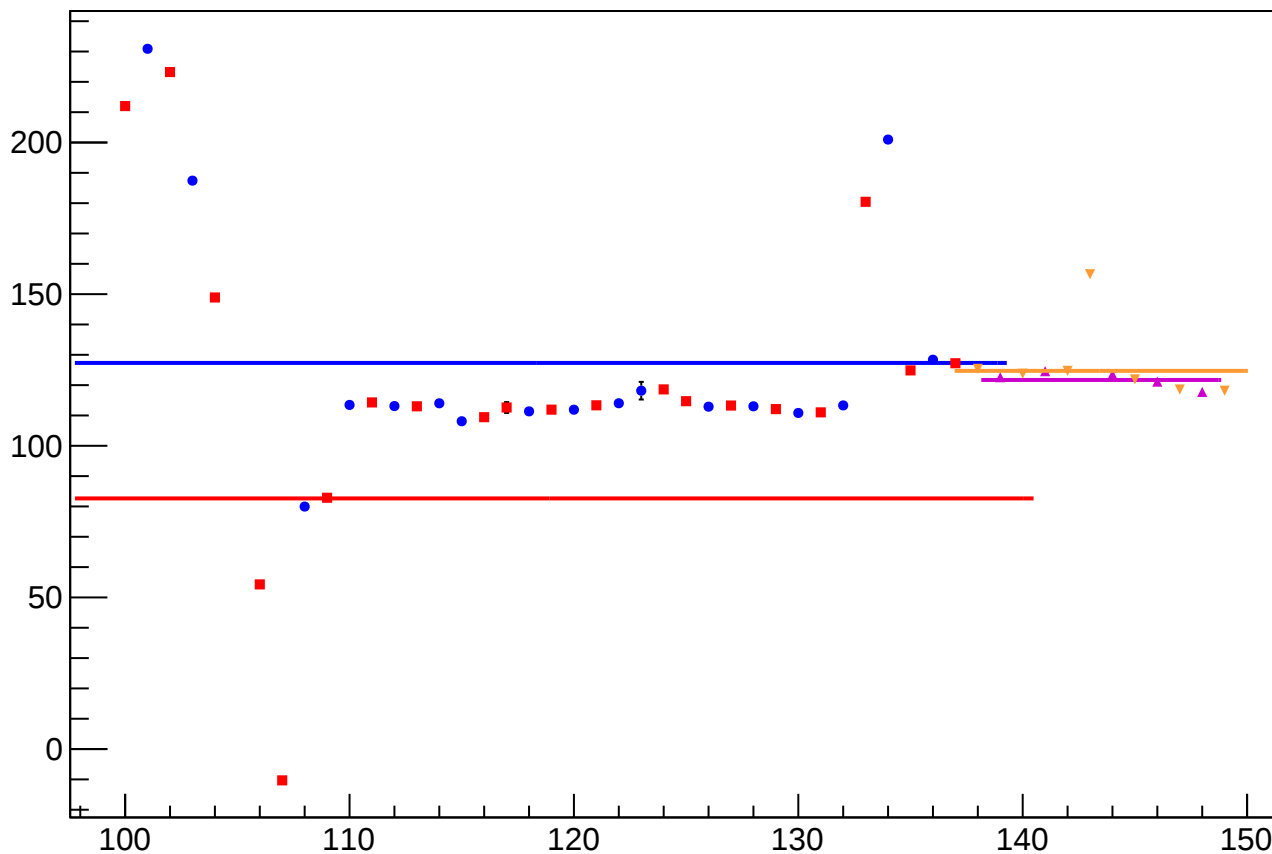
Right Out: -88.581 ± 1.431 $\chi^2/\text{NDF}: 971.5/19$

Left In: -61.943 ± 1.534 $\chi^2/\text{NDF}: 106.7/4$

-85.012 ± 1.050 $\chi^2/\text{NDF}: 1342.5/23$

-76.184 ± 1.046 $\chi^2/\text{NDF}: 1239.4/24$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323±/-0.089 χ^2/NDF : 187776.4/16

Left Out: 124.708±/-0.072 χ^2/NDF :19949.1/6

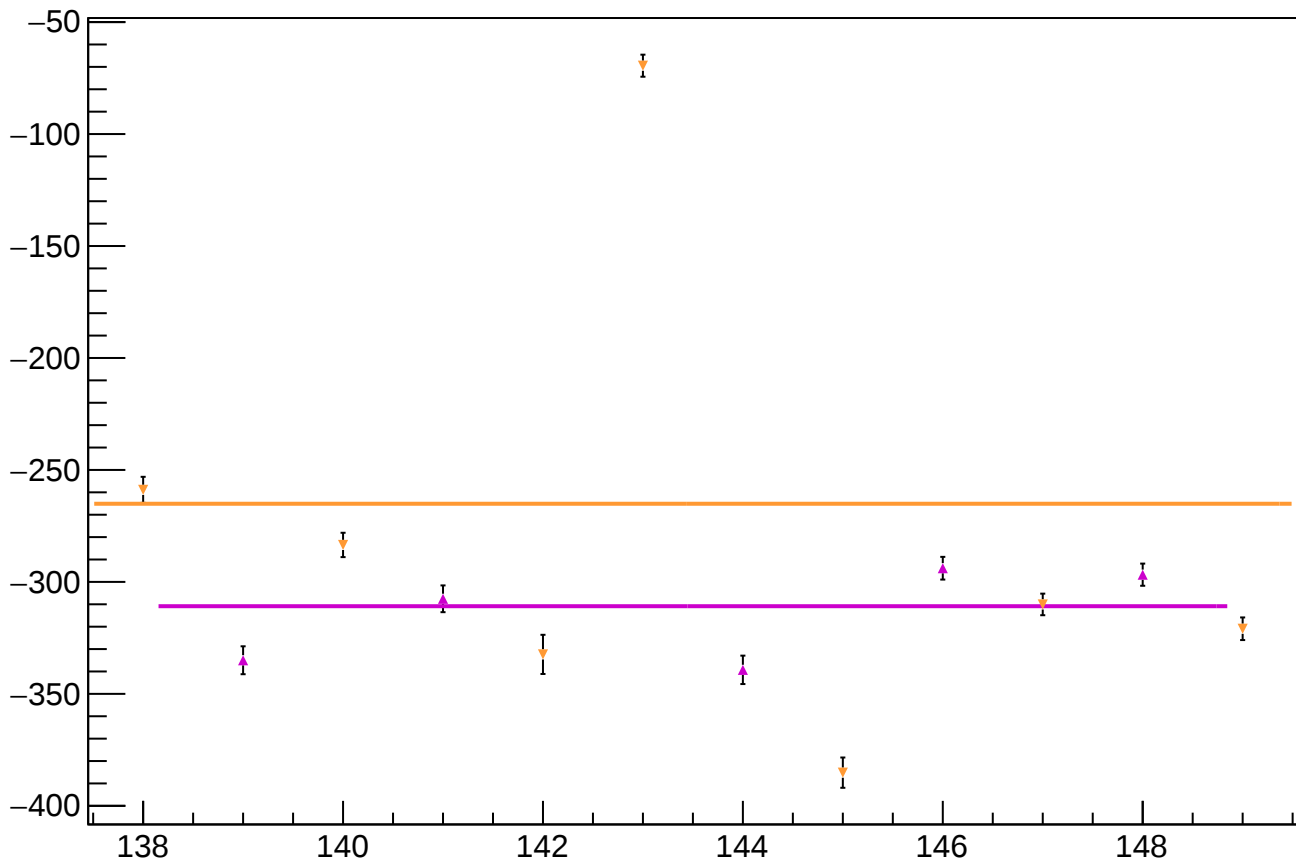
Right Out: 82.649±/-0.075 χ^2/NDF : 765307.1/19

Left In: 121.705±/-0.079 χ^2/NDF :993.3/4

125.735±/-0.056 χ^2/NDF : 208244.6/23

101.337±/-0.054 χ^2/NDF : 894999.6/24

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -265.101+/-2.123 χ^2/NDF : 2174.9/6

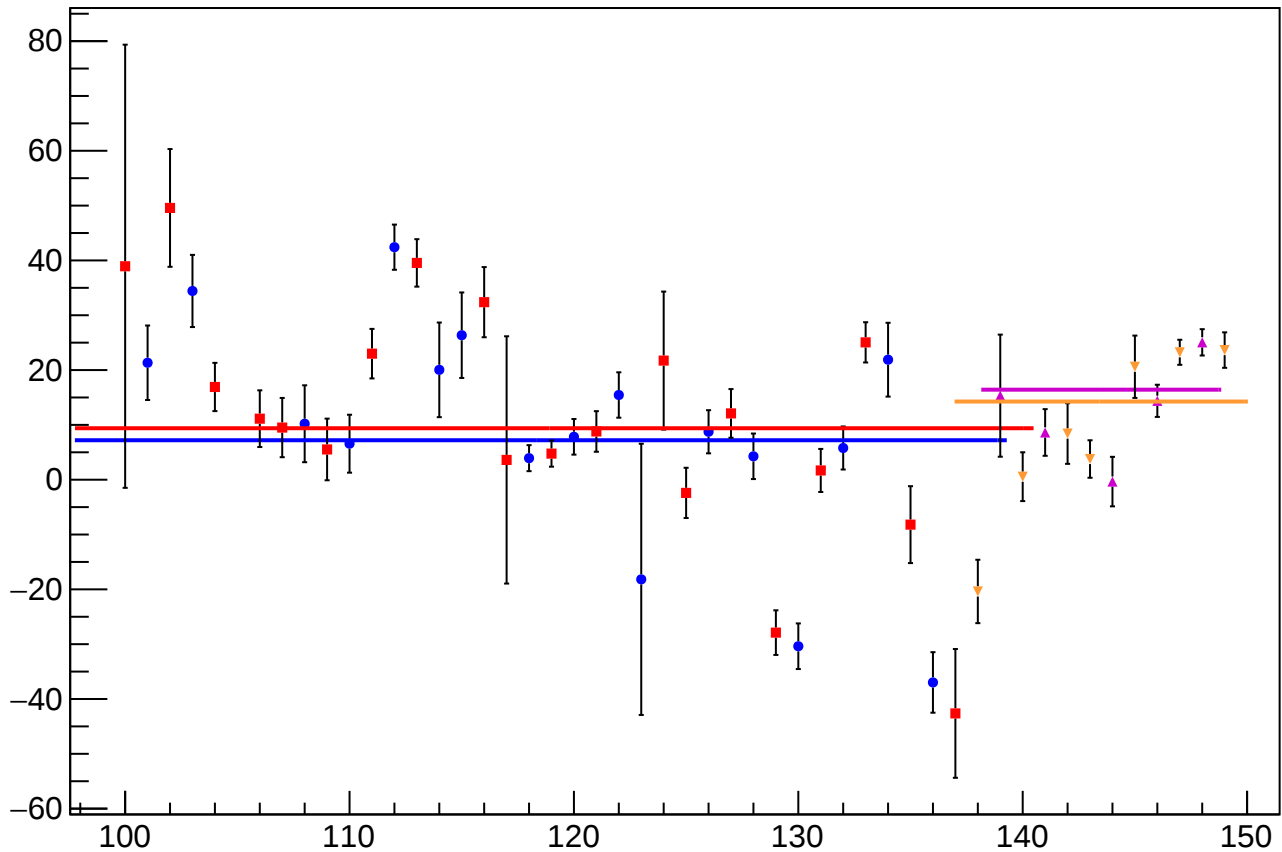
-265.101+/-2.123 χ^2/NDF : 2174.9/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -310.854+/-2.513 χ^2/NDF : 54.7/4

-310.854+/-2.513 χ^2/NDF : 54.7/4

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 $\pm$ 1.103 χ^2 /NDF: 260.9/16

Left Out: 14.260 $\pm$ 1.391 χ^2 /NDF:81.0/6

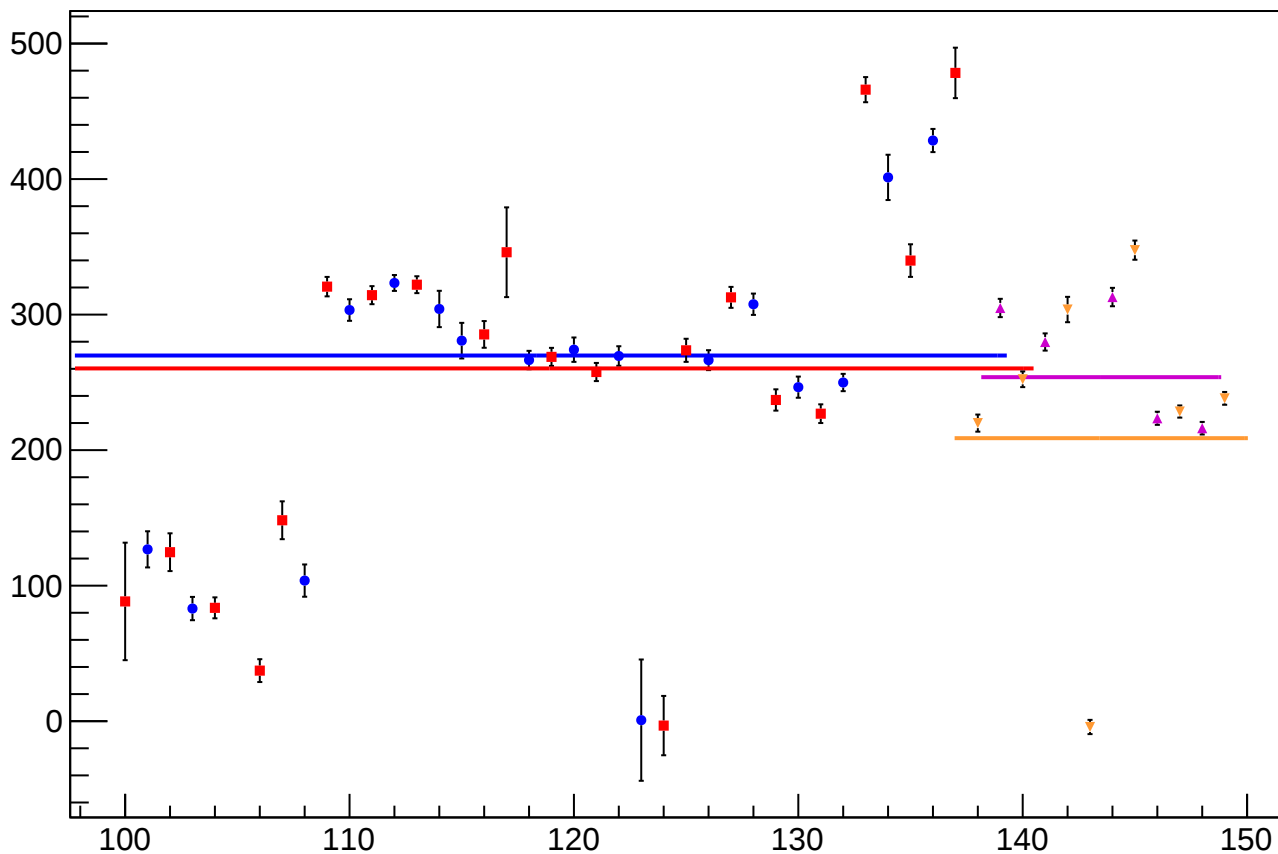
Right Out: 9.390 $\pm$ 1.070 χ^2 /NDF: 232.2/19

Left In: 16.423 $\pm$ 1.577 χ^2 /NDF:30.6/4

9.925 $\pm$ 0.864 χ^2 /NDF: 357.7/23

11.606 $\pm$ 0.885 χ^2 /NDF: 276.4/24

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 208.826 $\pm$ 2.148 χ^2 /NDF:2247.8/6

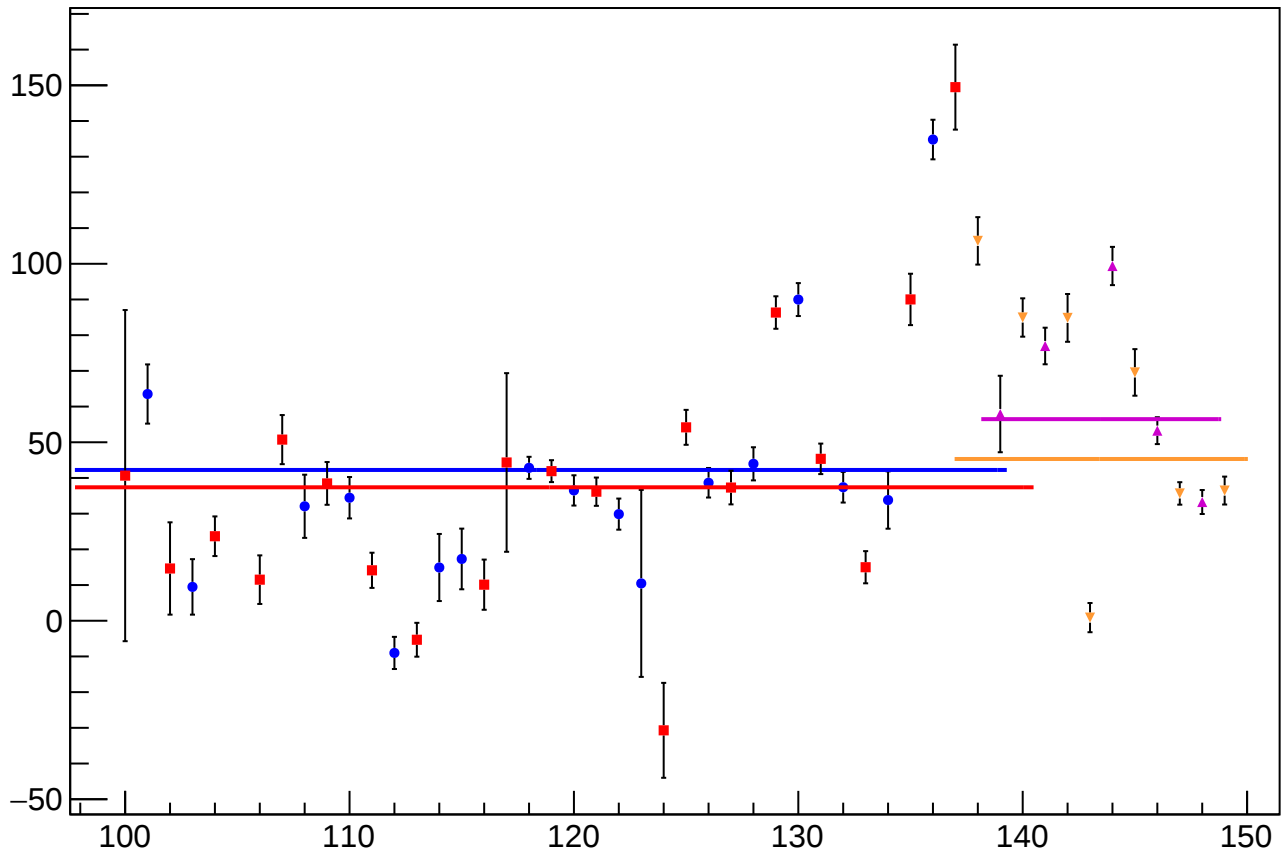
Right Out: 260.286 $\pm$ 1.973 χ^2 /NDF: 2545.4/19

Left In: 253.841 $\pm$ 2.519 χ^2 /NDF:254.9/4

240.161 $\pm$ 1.498 χ^2 /NDF: 4036.2/23

257.835 $\pm$ 1.554 χ^2 /NDF: 2804.3/24

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 45.317 ± 1.743 $\chi^2/\text{NDF}: 320.2/6$

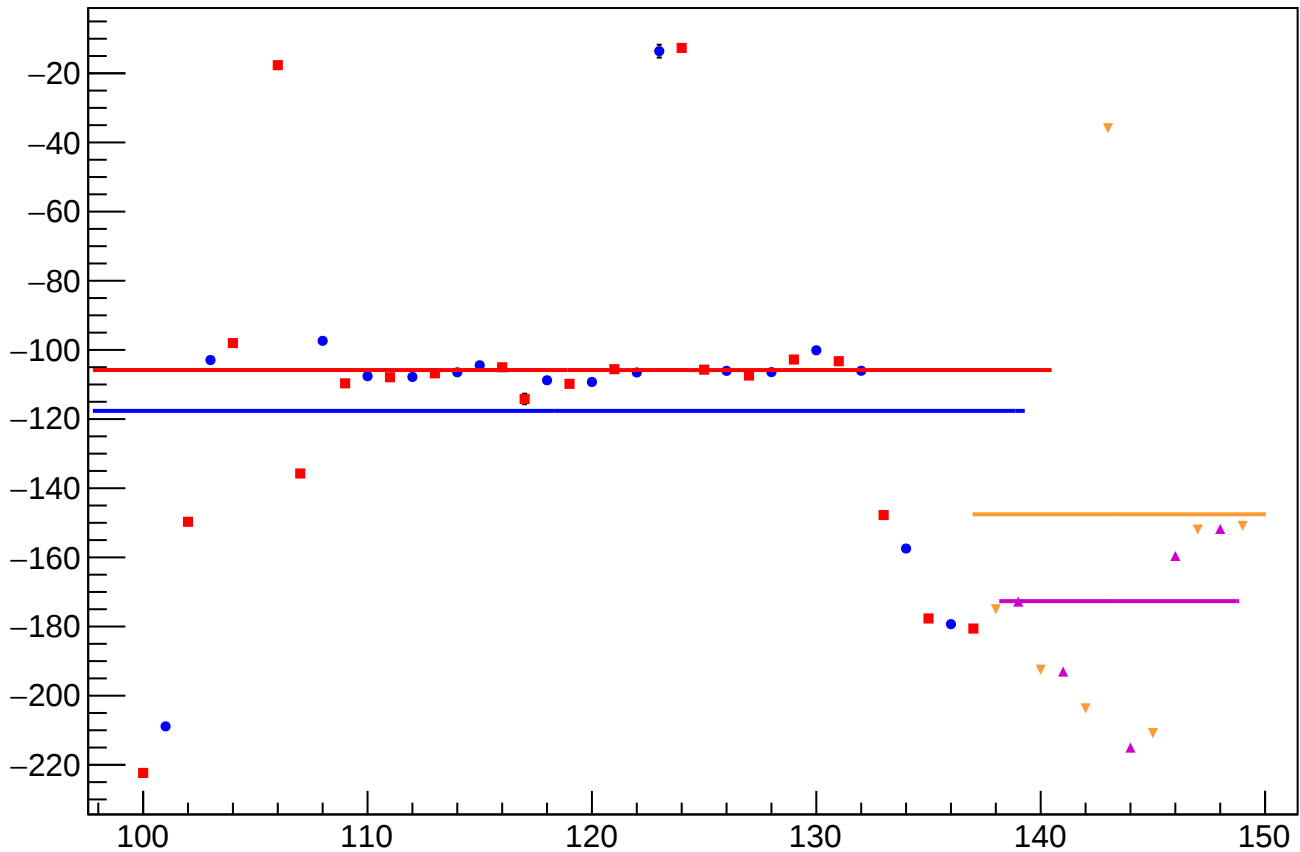
Right Out: 37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

Left In: 56.478 ± 2.037 $\chi^2/\text{NDF}: 128.6/4$

43.312 ± 1.028 $\chi^2/\text{NDF}: 896.6/23$

42.503 ± 1.055 $\chi^2/\text{NDF}: 665.3/24$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -147.528+/-0.091 χ^2/NDF : 399295.1/6

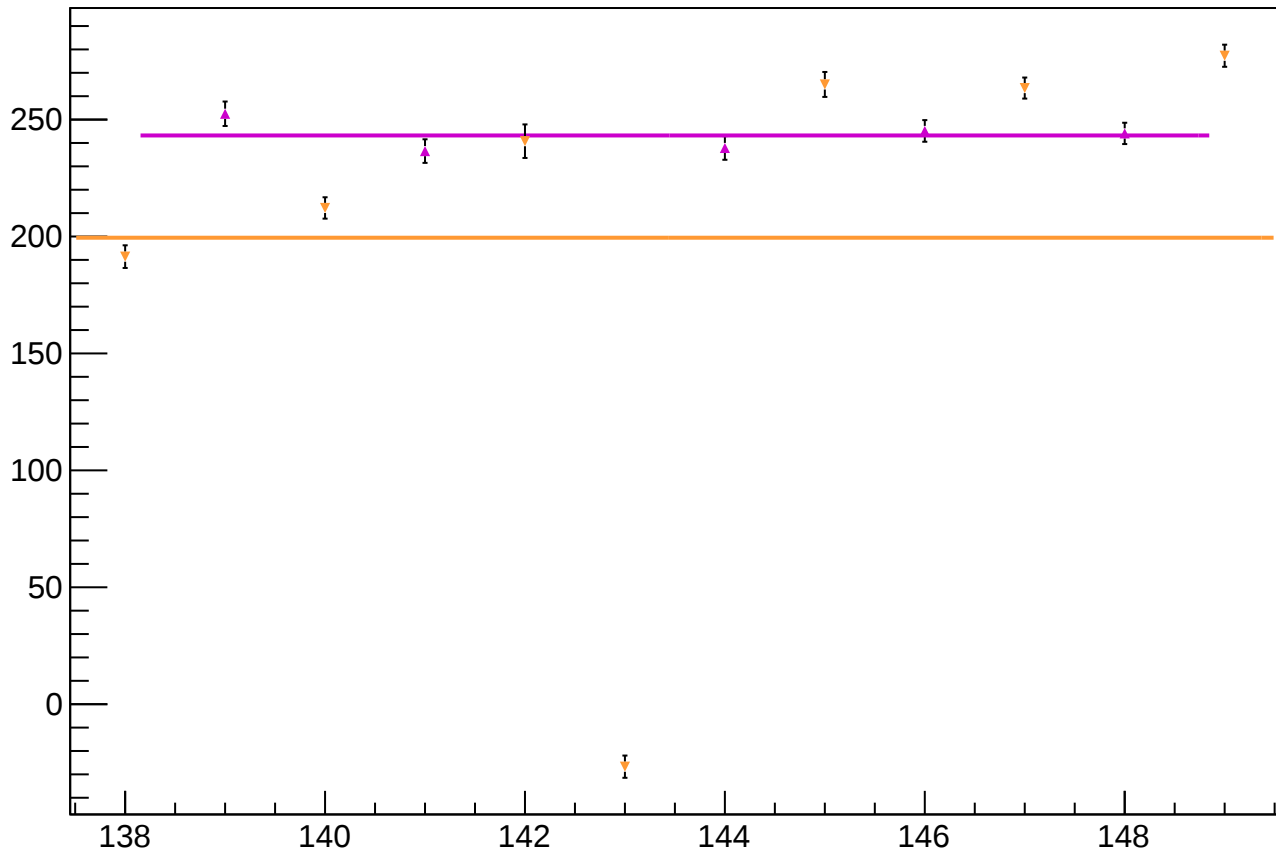
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -172.653+/-0.106 χ^2/NDF : 41009.5/4

-130.343+/-0.060 χ^2/NDF : 602840.5/23

-127.318+/-0.060 χ^2/NDF : 635662.6/24

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 199.481+/-1.879 χ^2/NDF : 2930.7/6

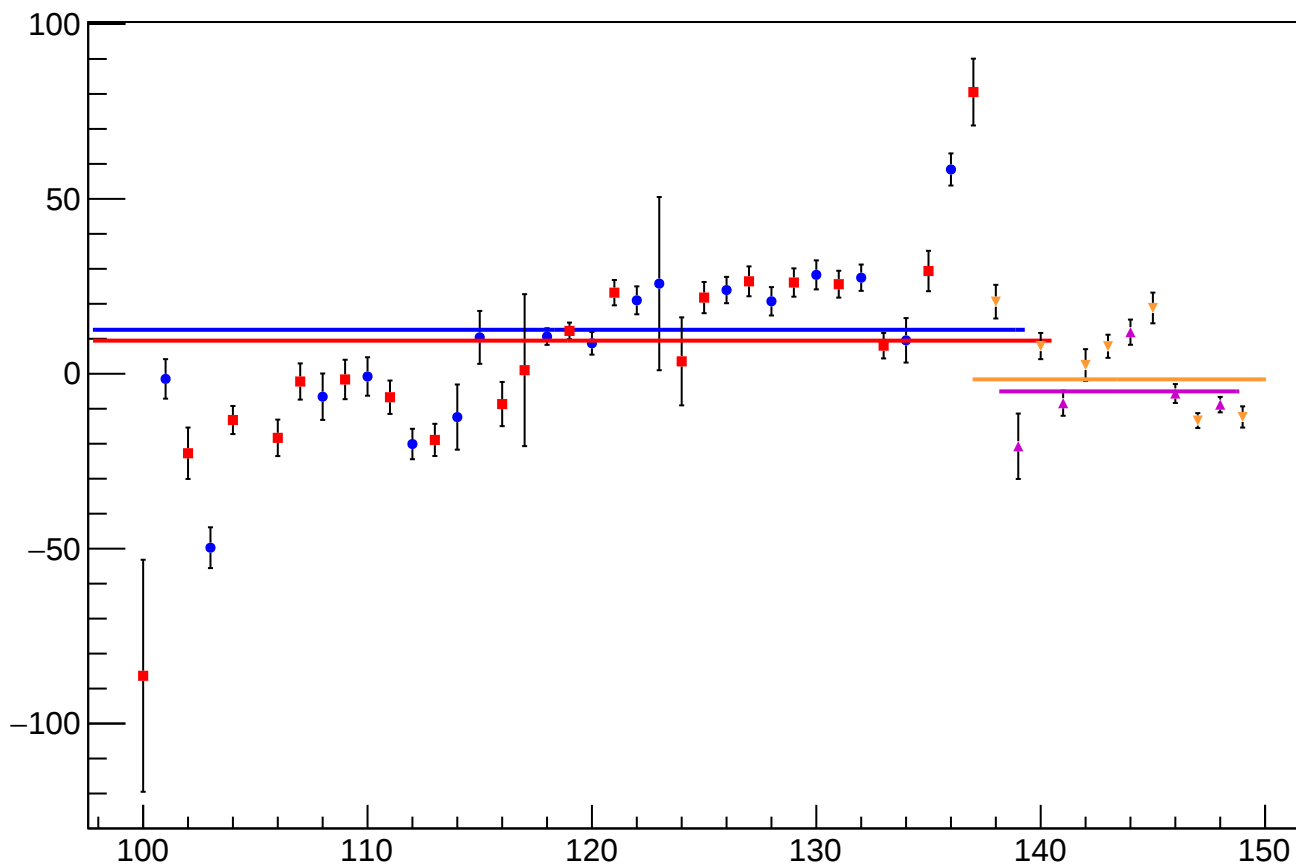
199.481+/-1.879 χ^2/NDF : 2930.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

243.212+/-2.182 χ^2/NDF : 6.2/4

Left In: 243.212+/-2.182 χ^2/NDF : 6.2/4

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: -1.597+/-1.255 χ^2/NDF : 101.5/6

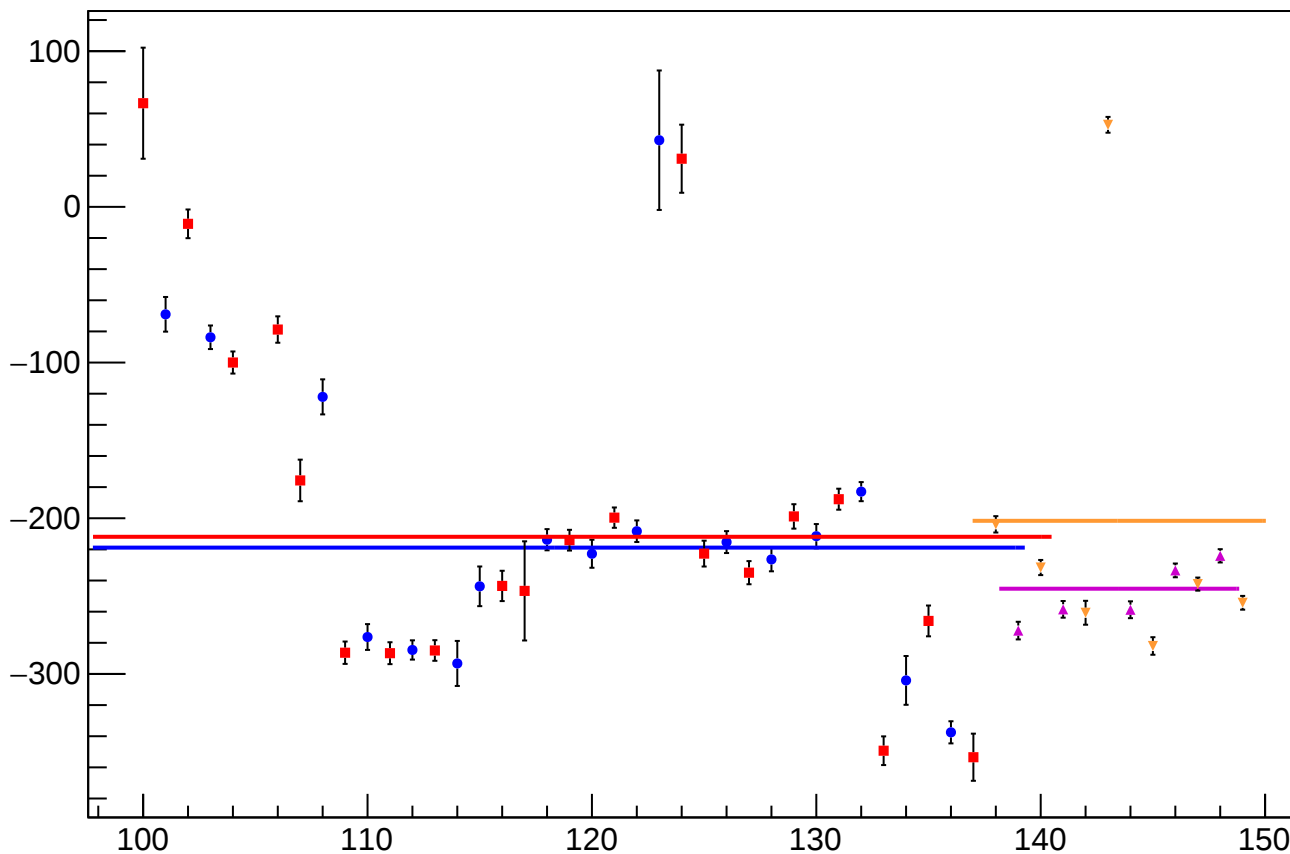
Right Out: 9.474+/-1.046 χ^2/NDF : 296.0/19

Left In: -5.039+/-1.403 χ^2/NDF : 28.7/4

6.581+/-0.816 χ^2/NDF : 523.2/23

4.288+/-0.839 χ^2/NDF : 393.4/24

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -201.645 ± 1.912 χ^2/NDF : 3047.5/6

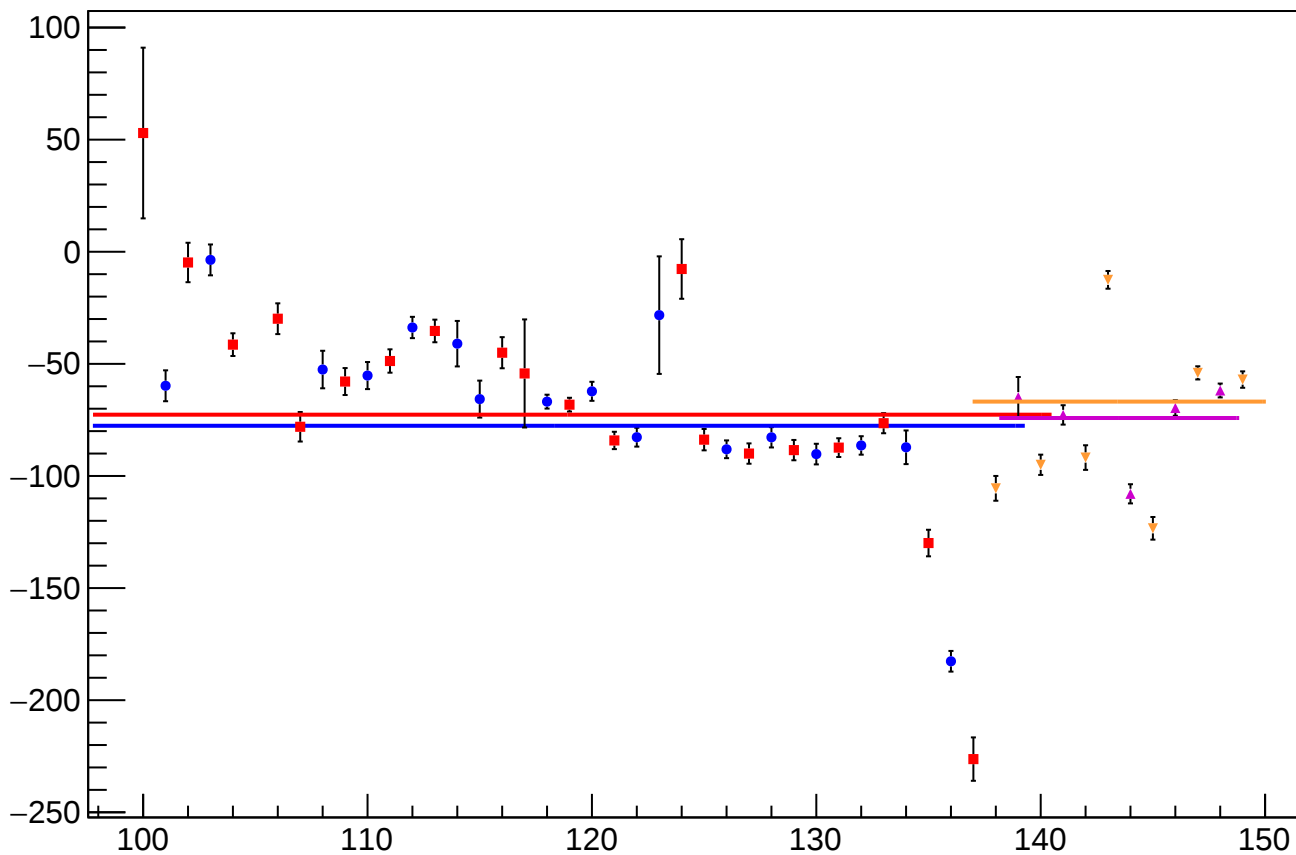
Right Out: -211.907 ± 1.920 χ^2/NDF : 1886.4/19

Left In: -245.256 ± 2.203 χ^2/NDF : 66.4/4

-209.768 ± 1.390 χ^2/NDF : 4232.3/23

-226.308 ± 1.447 χ^2/NDF : 2083.0/24

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 $\pm$ 1.236 χ^2/NDF : 815.9/16

Left Out: -66.829 $\pm$ 1.565 χ^2/NDF : 448.8/6

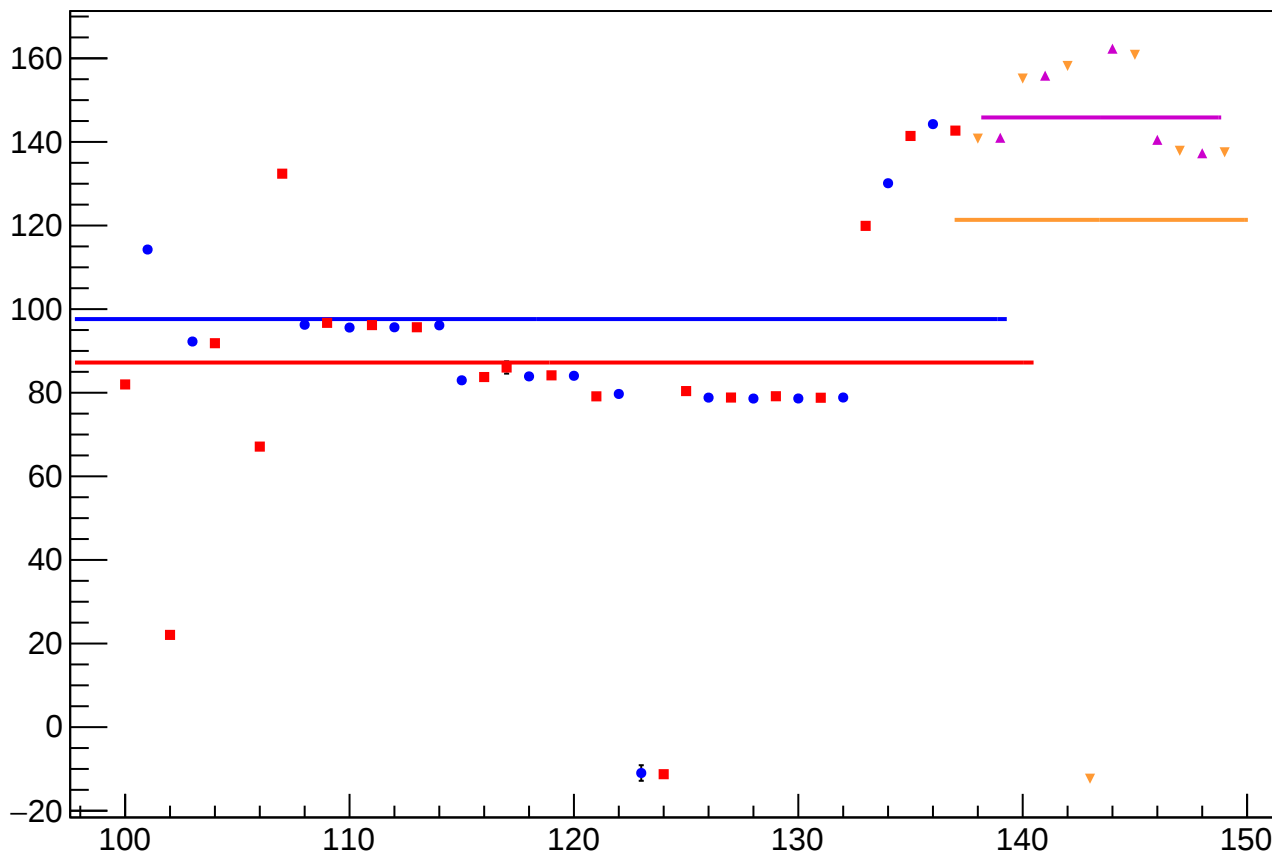
Right Out: -72.664 $\pm$ 1.205 χ^2/NDF : 672.0/19

Left In: -74.147 $\pm$ 1.799 χ^2/NDF : 81.1/4

-73.468 $\pm$ 0.970 χ^2/NDF : 1293.9/23

-73.123 $\pm$ 1.001 χ^2/NDF : 753.6/24

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620±/0.074 χ^2/NDF : 94045.2/16

Left Out: 121.356±/0.081 χ^2/NDF : 527224.9/6

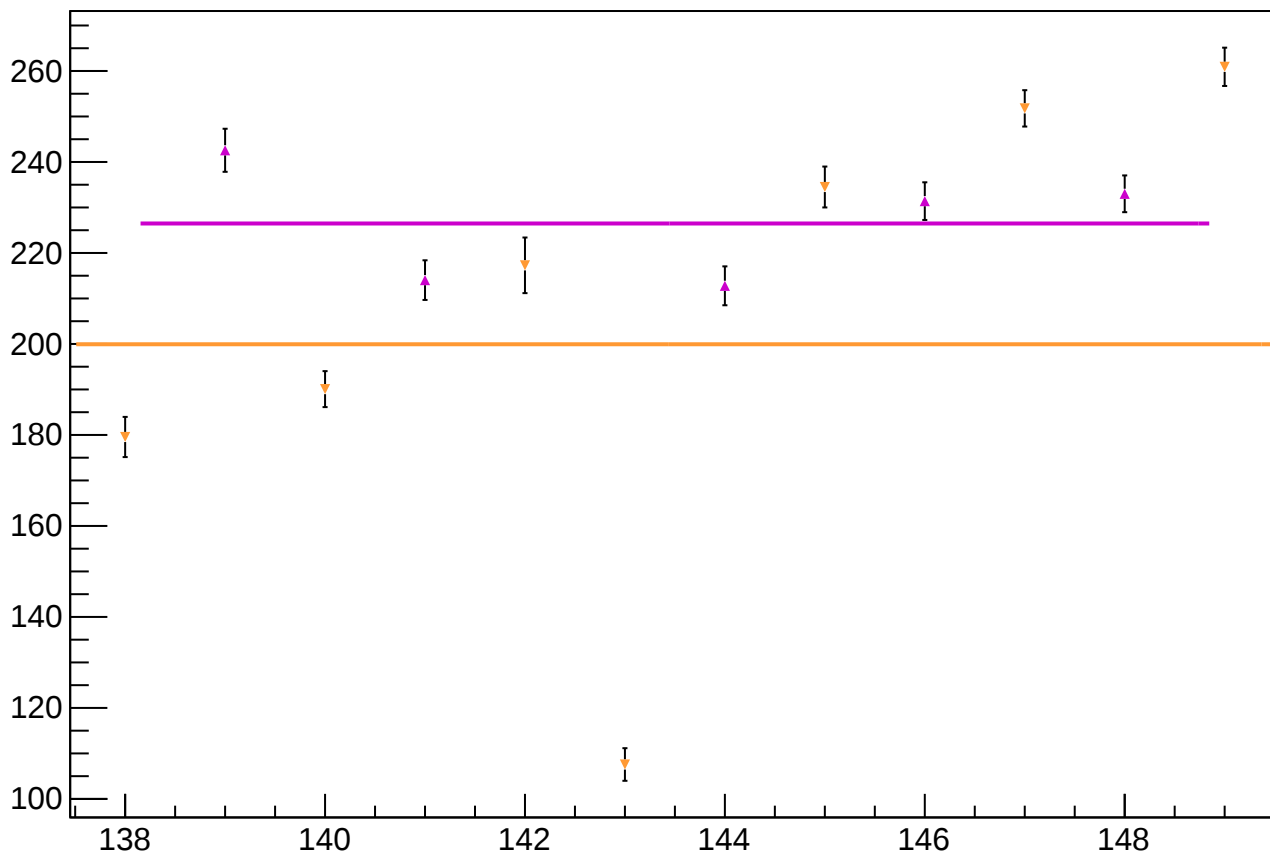
Right Out: 87.224±/0.068 χ^2/NDF : 220851.2/19

Left In: 145.854±/0.092 χ^2/NDF : 10443.3/4

108.386±/0.054 χ^2/NDF : 668303.7/23

108.034±/0.055 χ^2/NDF : 493666.3/24

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 199.934+/-1.605 χ^2/NDF : 1136.7/6

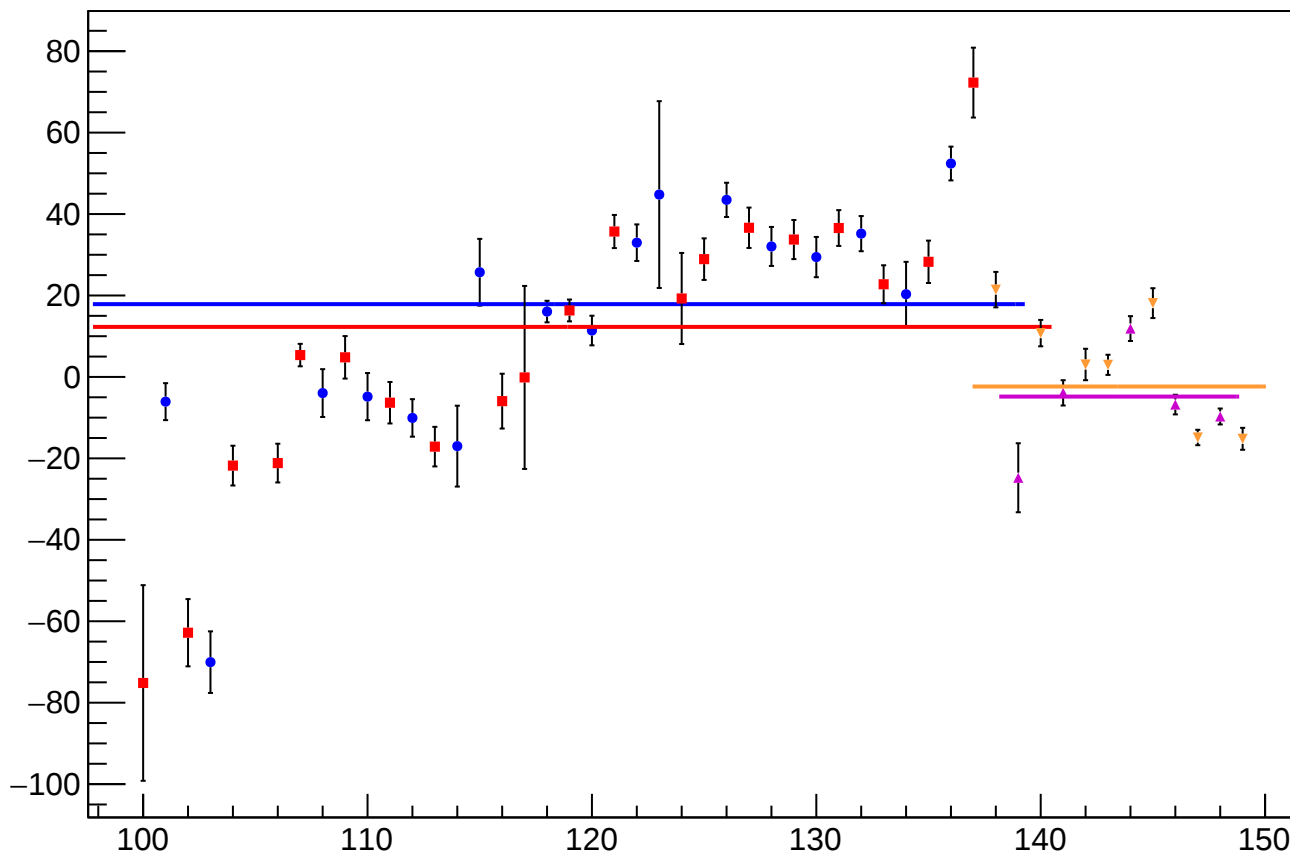
199.934+/-1.605 χ^2/NDF : 1136.7/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 226.479+/-1.918 χ^2/NDF : 34.0/4

226.479+/-1.918 χ^2/NDF : 34.0/4

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 ± 1.166 χ^2/NDF : 395.3/16

Left Out: -2.353 ± 1.073 χ^2/NDF : 150.5/6

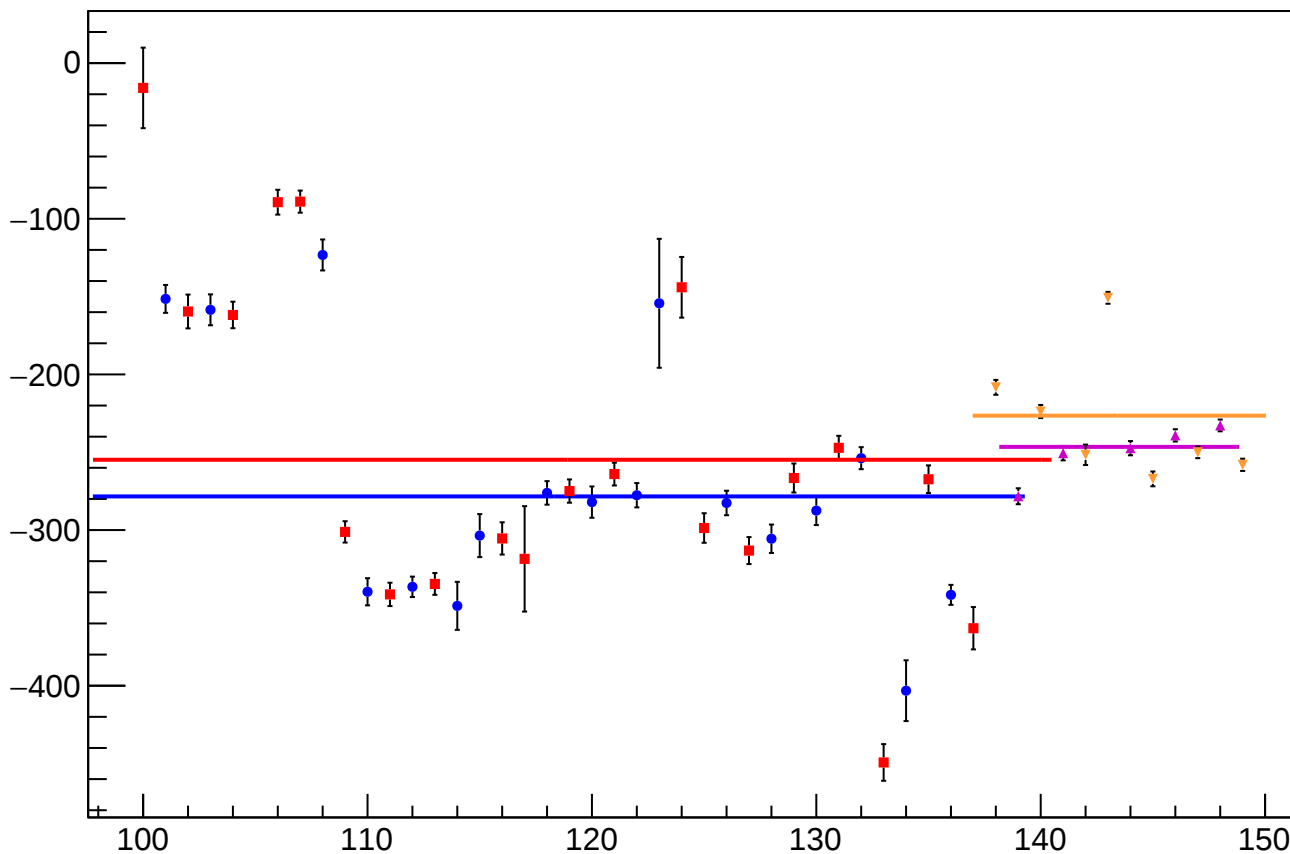
Right Out: 12.288 ± 1.082 χ^2/NDF : 444.4/19

Left In: -4.826 ± 1.233 χ^2/NDF : 42.5/4

6.918 ± 0.789 χ^2/NDF : 708.8/23

4.842 ± 0.813 χ^2/NDF : 595.7/24

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: -226.485 $\pm$ 1.639 χ^2/NDF : 598.2/6

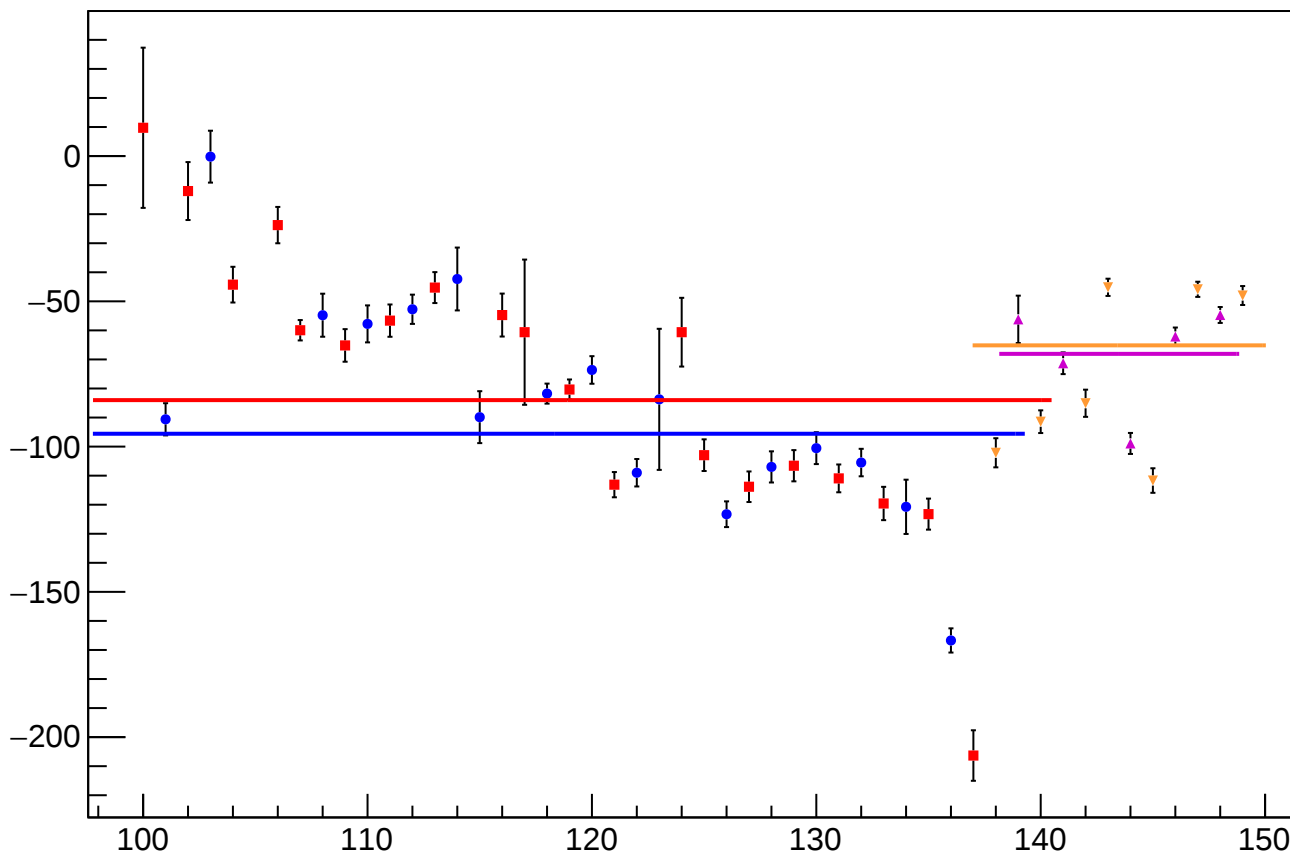
Right Out: -254.830 $\pm$ 2.016 χ^2/NDF : 2041.0/19

Left In: -246.555 $\pm$ 1.938 χ^2/NDF : 55.8/4

-245.175 $\pm$ 1.311 χ^2/NDF : 1869.8/23

-250.530 $\pm$ 1.397 χ^2/NDF : 2105.6/24

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 $\pm$ 1.340 χ^2 /NDF: 671.2/16

Left Out: -65.153 $\pm$ 1.335 χ^2 /NDF:366.8/6

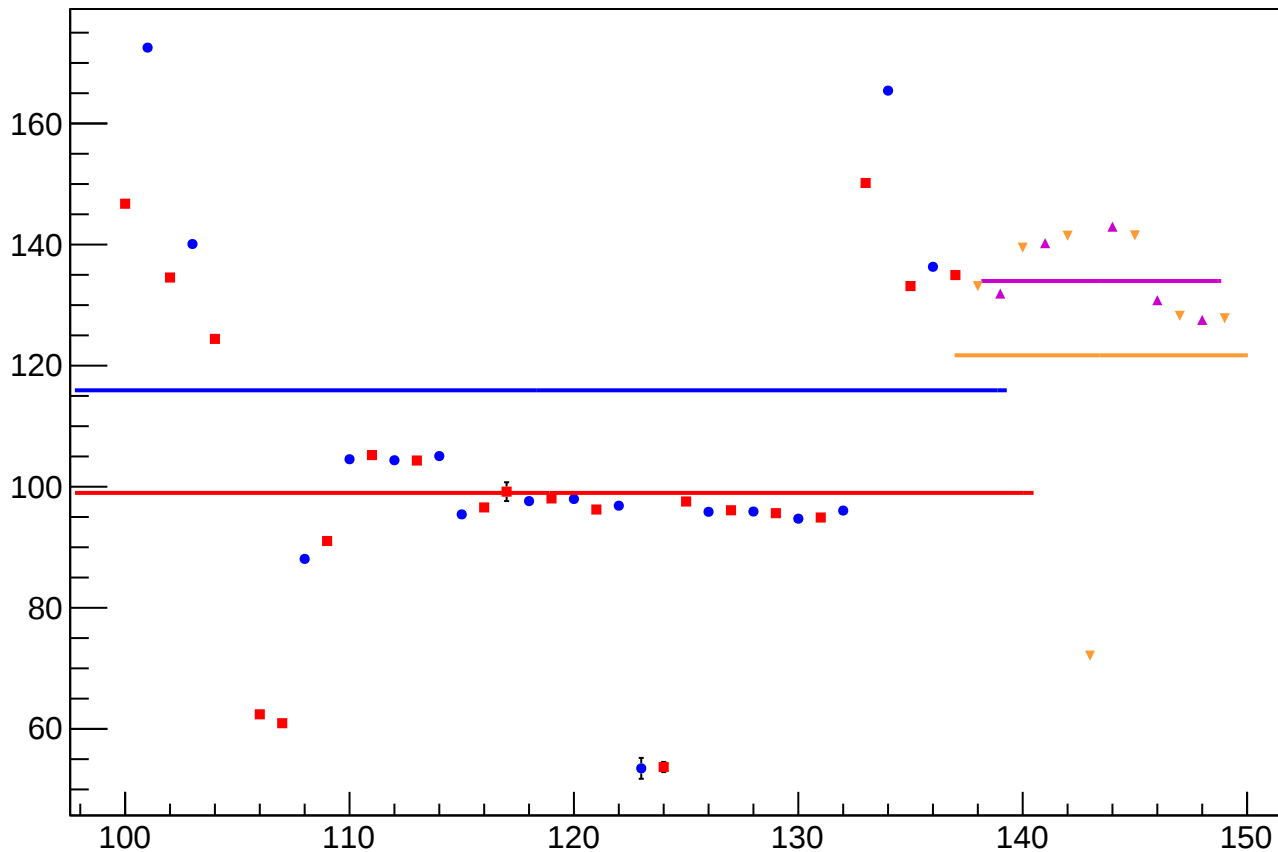
Right Out: -84.003 $\pm$ 1.255 χ^2 /NDF: 784.1/19

Left In: -68.080 $\pm$ 1.579 χ^2 /NDF:103.2/4

-80.297 $\pm$ 0.946 χ^2 /NDF: 1296.7/23

-77.836 $\pm$ 0.982 χ^2 /NDF: 949.6/24

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: 121.713+/-0.069 χ^2/NDF :137017.3/6

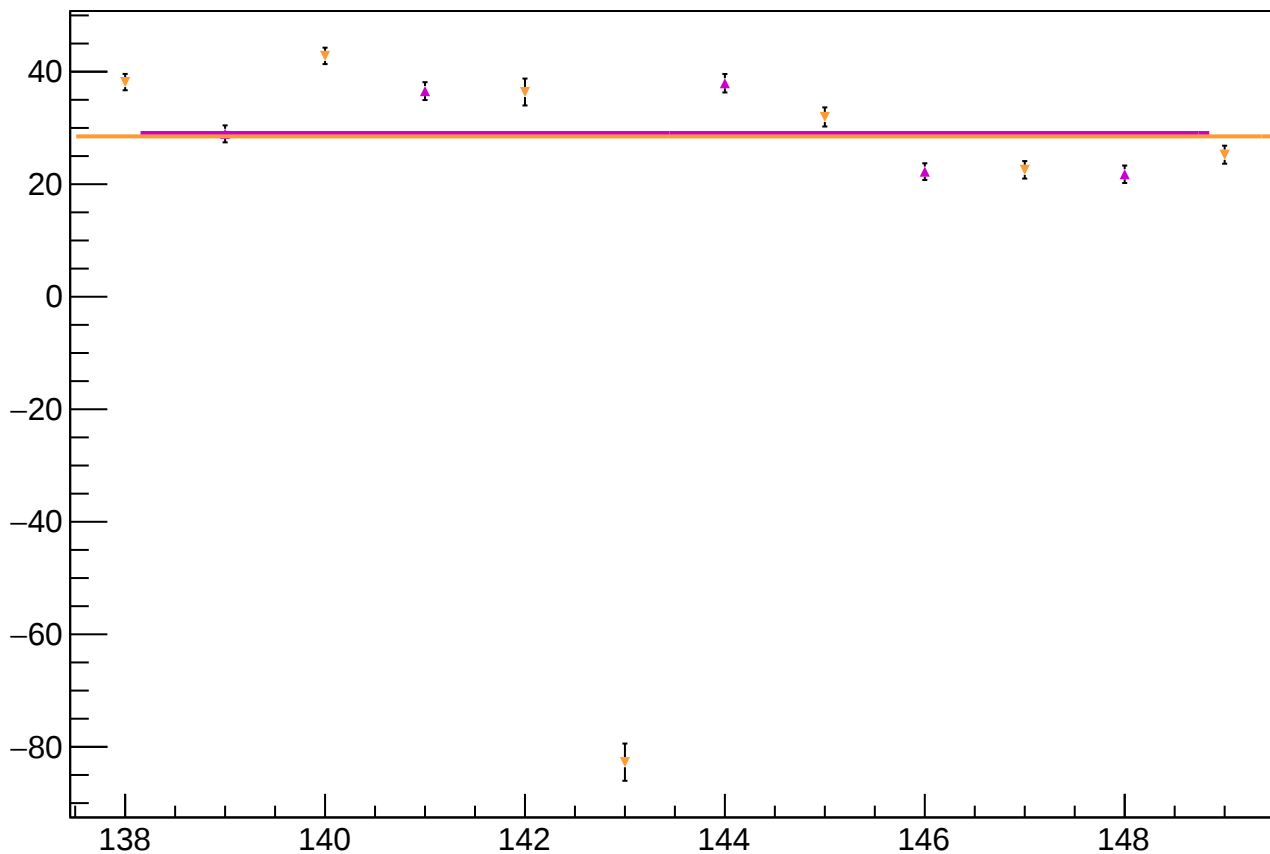
Right Out: 98.982+/-0.068 χ^2/NDF : 172974.2/19

Left In: 133.981+/-0.081 χ^2/NDF :5129.1/4

119.182+/-0.052 χ^2/NDF : 245870.3/23

113.560+/-0.052 χ^2/NDF : 286895.9/24

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 28.500+/-0.651 χ^2/NDF :1302.9/6

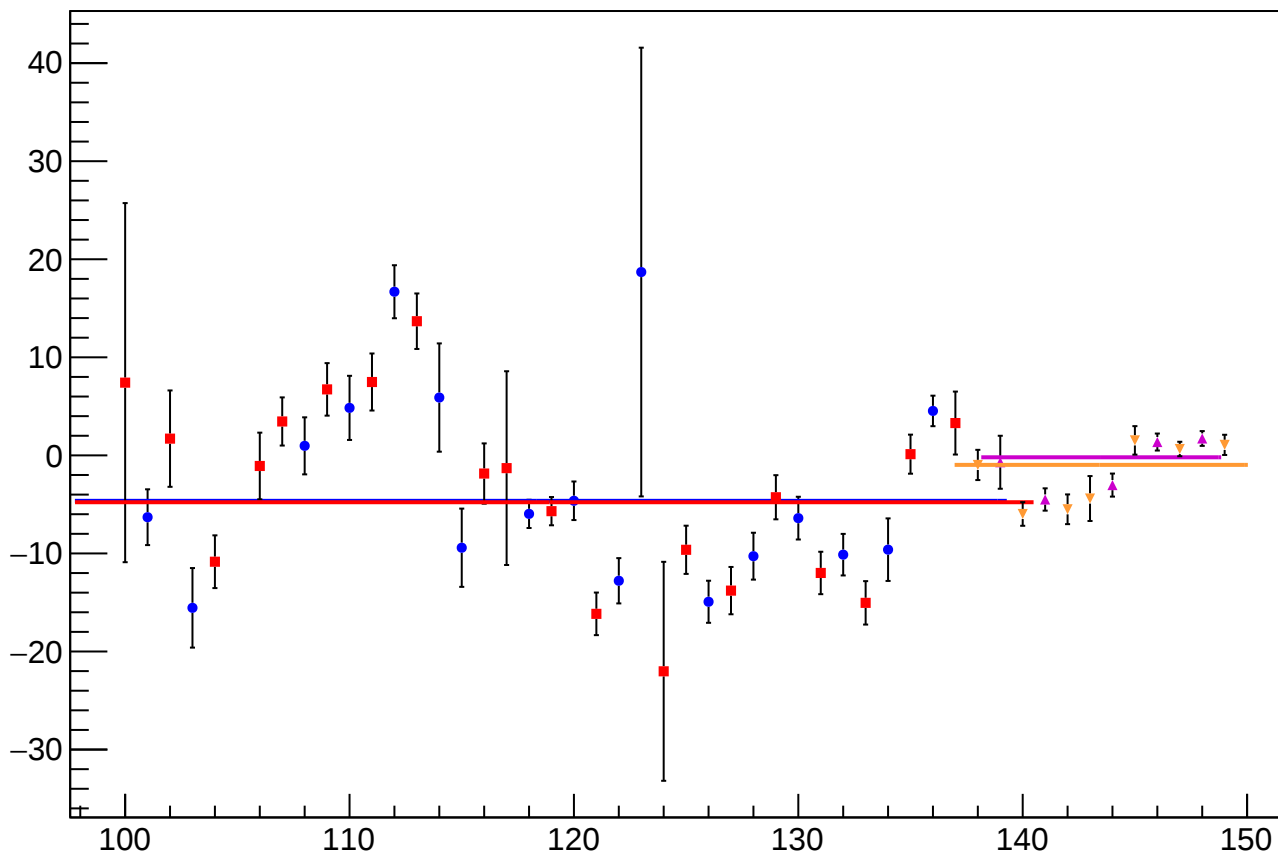
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 29.101+/-0.694 χ^2/NDF :94.7/4

28.500+/-0.651 χ^2/NDF : 1302.9/6

29.101+/-0.694 χ^2/NDF : 94.7/4

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -0.969 ± 0.448 χ^2/NDF : 40.2/6

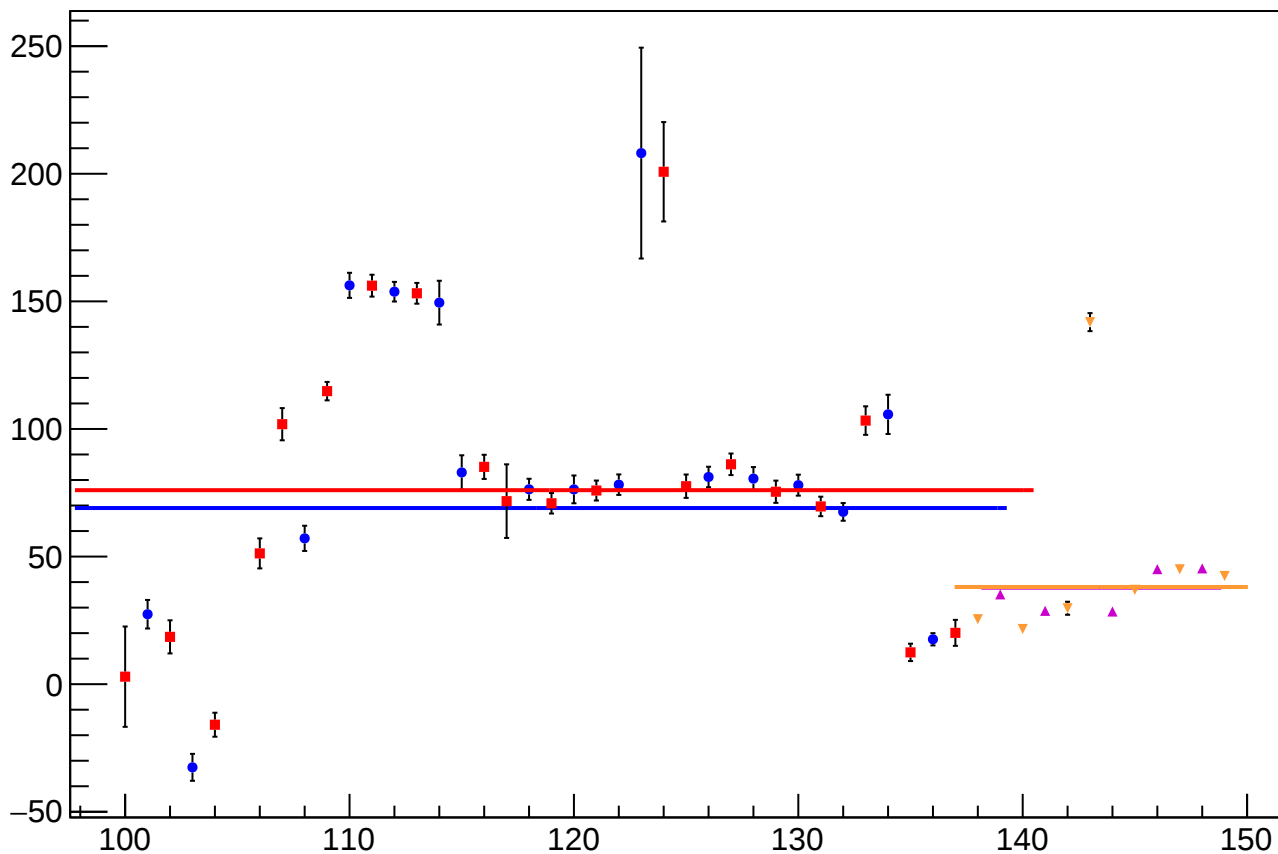
Right Out: -4.779 ± 0.583 χ^2/NDF : 192.7/19

Left In: -0.196 ± 0.460 χ^2/NDF : 29.8/4

-2.316 ± 0.356 χ^2/NDF : 239.2/23

-1.953 ± 0.361 χ^2/NDF : 260.5/24

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: 38.083 ± 0.661 χ^2/NDF : 1081.2/6

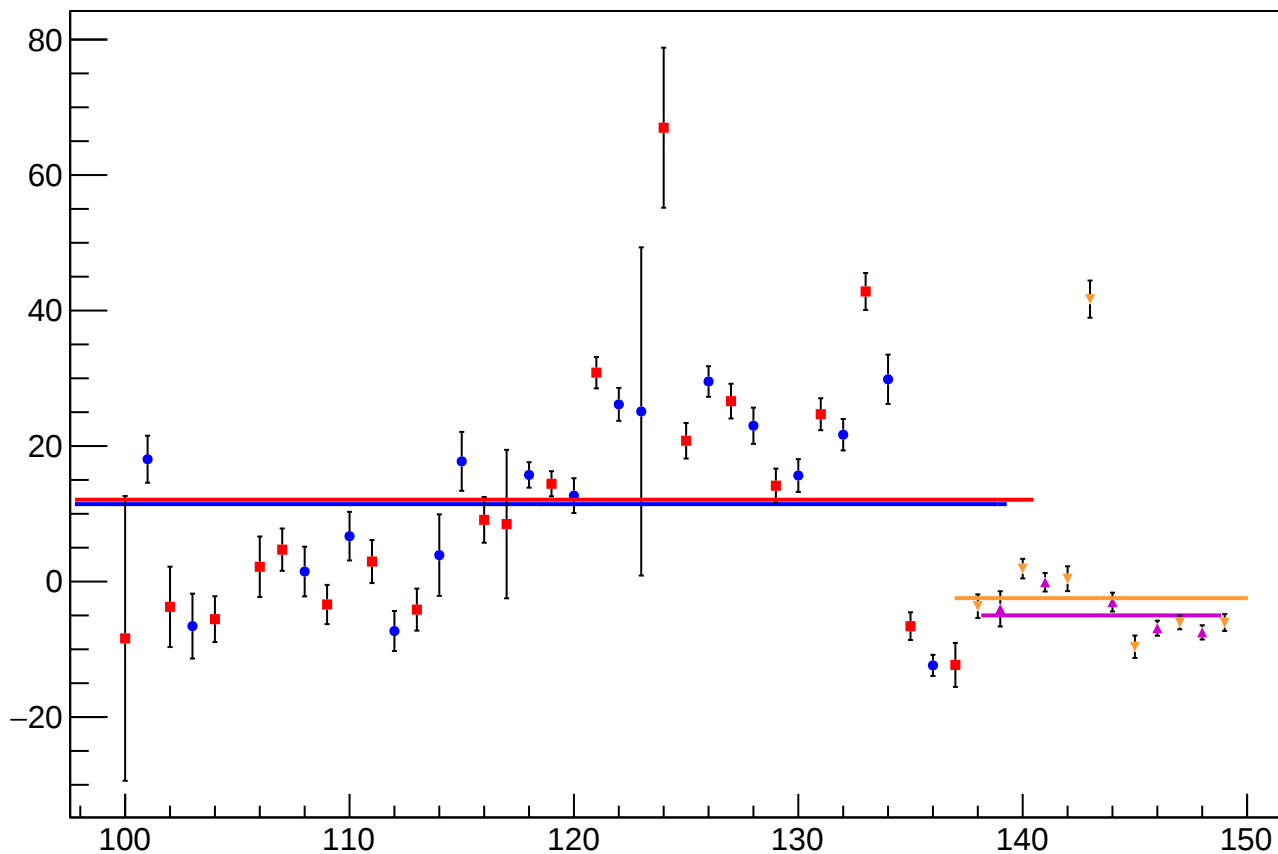
Right Out: 76.017 ± 1.067 χ^2/NDF : 1882.0/19

Left In: 37.807 ± 0.704 χ^2/NDF : 112.8/4

46.472 ± 0.564 χ^2/NDF : 3523.4/23

49.397 ± 0.588 χ^2/NDF : 2888.4/24

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428+/-0.665 χ^2/NDF : 476.8/16

Left Out: -2.448+/-0.557 χ^2/NDF : 310.5/6

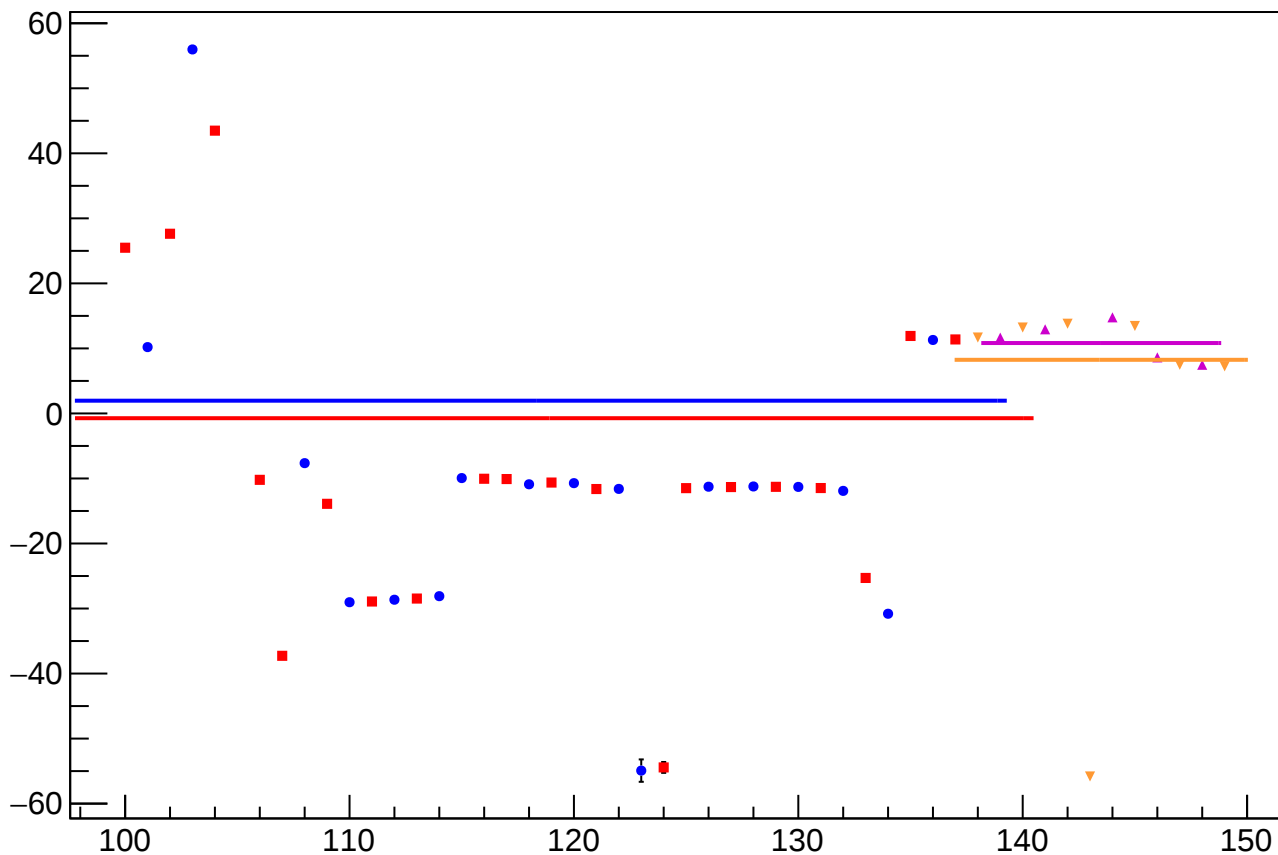
Right Out: 12.082+/-0.663 χ^2/NDF : 539.2/19

Left In: -4.994+/-0.586 χ^2/NDF : 23.5/4

3.270+/-0.427 χ^2/NDF : 1042.9/23

2.500+/-0.439 χ^2/NDF : 935.3/24

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960+/-0.037 χ^2/NDF : 358457.0/16

Left Out: 8.247+/-0.028 χ^2/NDF : 222242.9/6

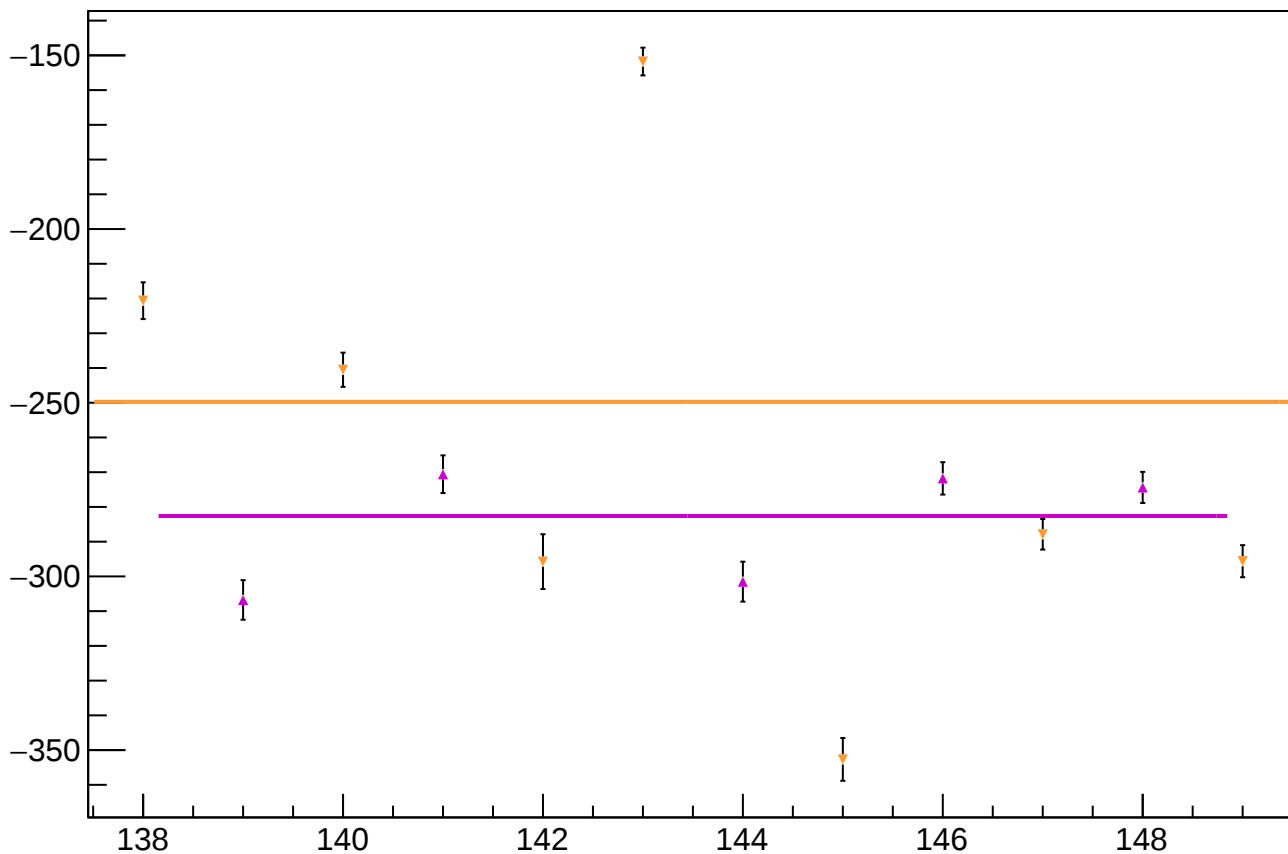
Right Out: -0.733+/-0.037 χ^2/NDF : 361368.4/19

Left In: 10.827+/-0.029 χ^2/NDF : 7846.2/4

5.983+/-0.022 χ^2/NDF : 599029.0/23

6.418+/-0.023 χ^2/NDF : 429395.9/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -249.742+/-1.887 χ^2/NDF : 1124.2/6

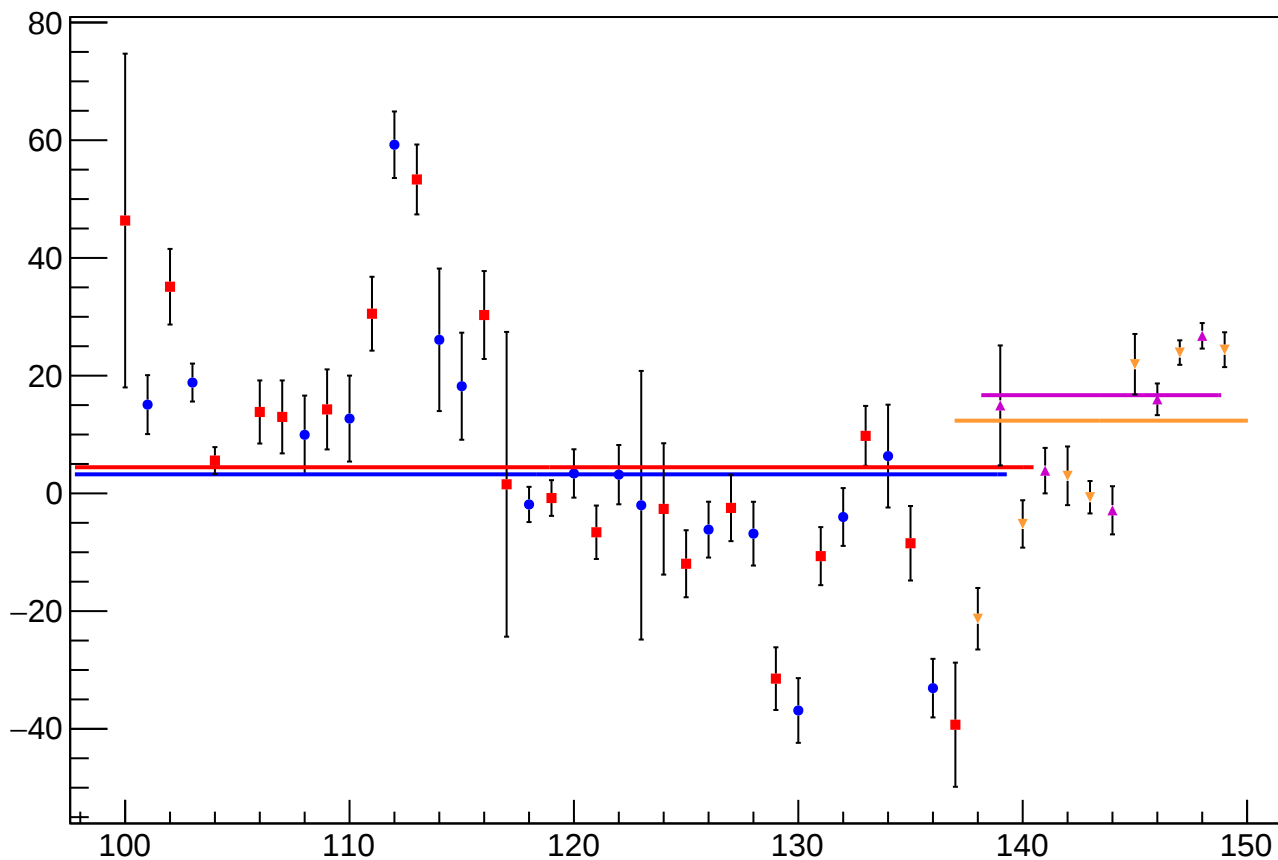
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -282.605+/-2.289 χ^2/NDF : 42.5/4

-249.742+/-1.887 χ^2/NDF : 1124.2/6

-282.605+/-2.289 χ^2/NDF : 42.5/4

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: 12.355 ± 1.237 χ^2/NDF : 137.2/6

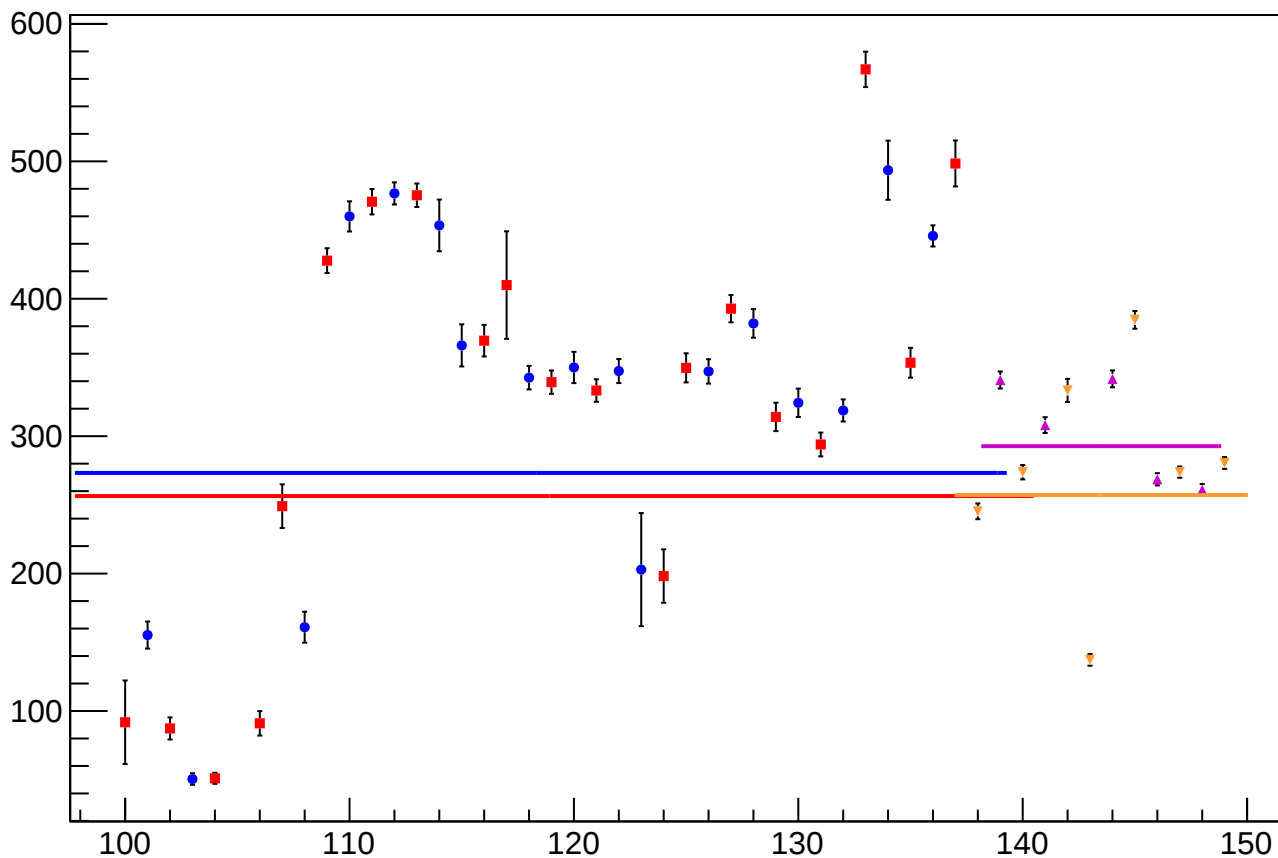
Right Out: 4.444 ± 1.156 χ^2/NDF : 225.8/19

Left In: 16.685 ± 1.433 χ^2/NDF : 55.5/4

7.819 ± 0.877 χ^2/NDF : 419.5/23

9.268 ± 0.900 χ^2/NDF : 325.5/24

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: 257.148 $\pm$ 1.914 χ^2 /NDF:1325.0/6

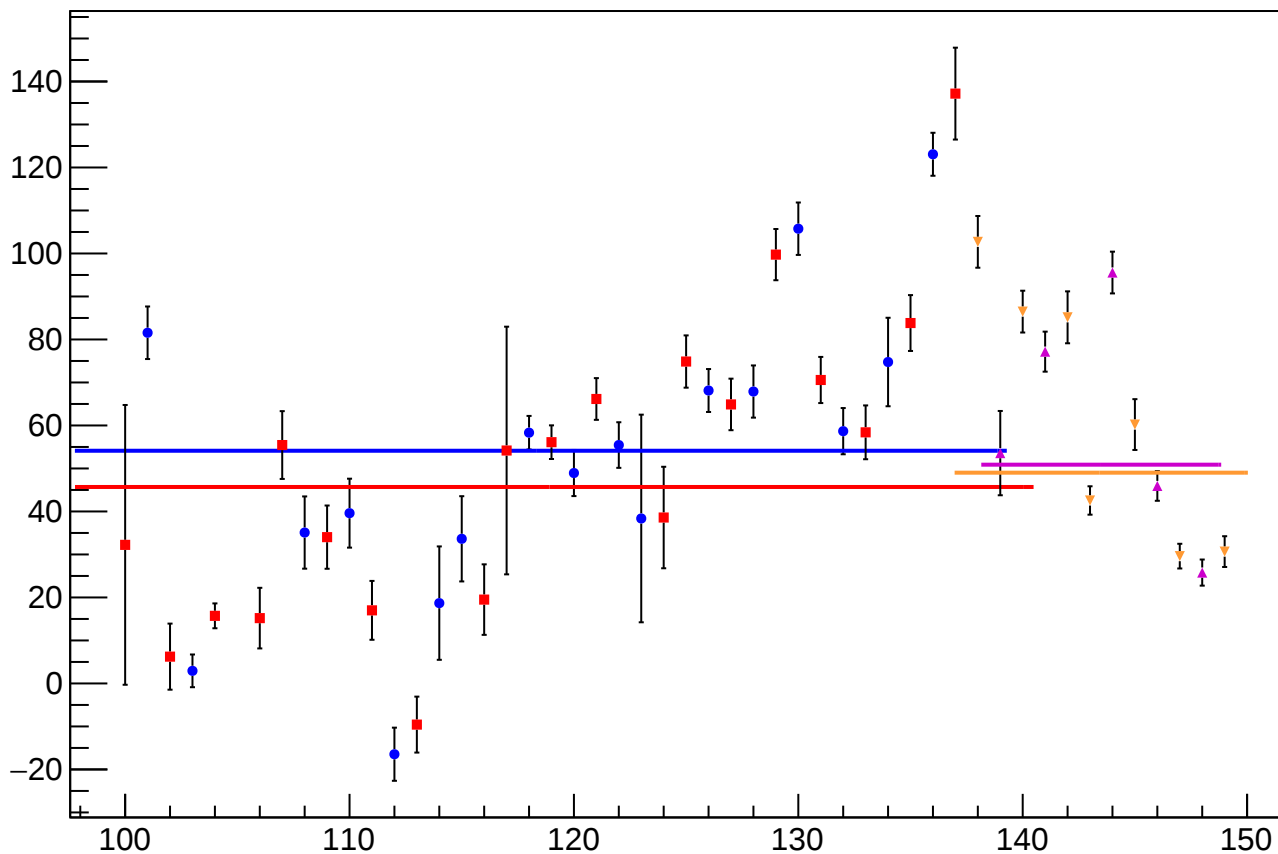
Right Out: 256.418 $\pm$ 2.077 χ^2 /NDF: 6453.9/19

Left In: 292.716 $\pm$ 2.295 χ^2 /NDF:217.8/4

264.081 $\pm$ 1.446 χ^2 /NDF: 6457.0/23

272.761 $\pm$ 1.540 χ^2 /NDF: 6809.2/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 49.019 $\pm$ 1.548 χ^2 /NDF: 254.2/6

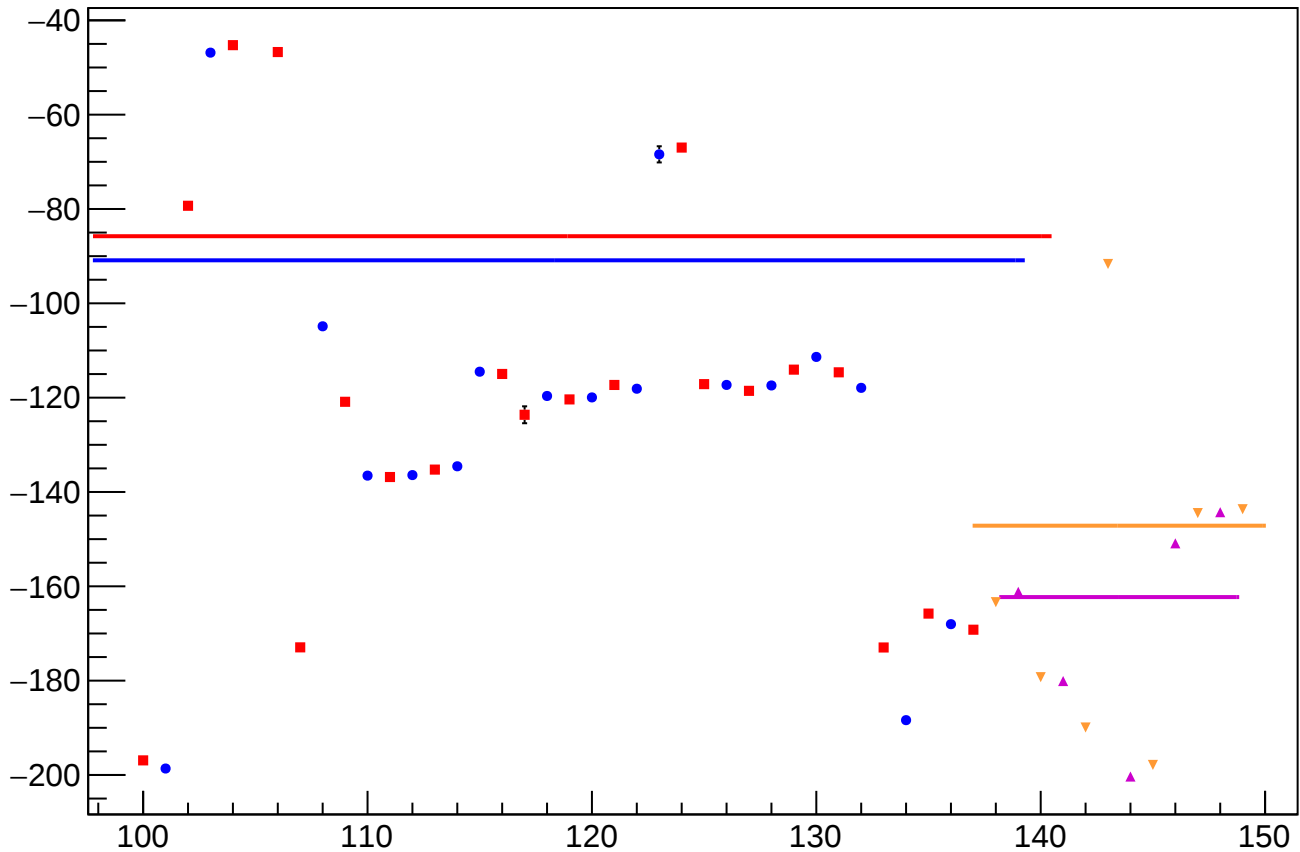
Right Out: 45.694 $\pm$ 1.356 χ^2 /NDF: 531.1/19

Left In: 50.879 $\pm$ 1.853 χ^2 /NDF: 187.0/4

51.758 $\pm$ 1.054 χ^2 /NDF: 894.0/23

47.502 $\pm$ 1.094 χ^2 /NDF: 723.2/24

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881 $\pm$ 0.068 χ^2 /NDF: 533423.8/16

Left Out: -147.146 $\pm$ 0.081 χ^2 /NDF: 186180.3/6

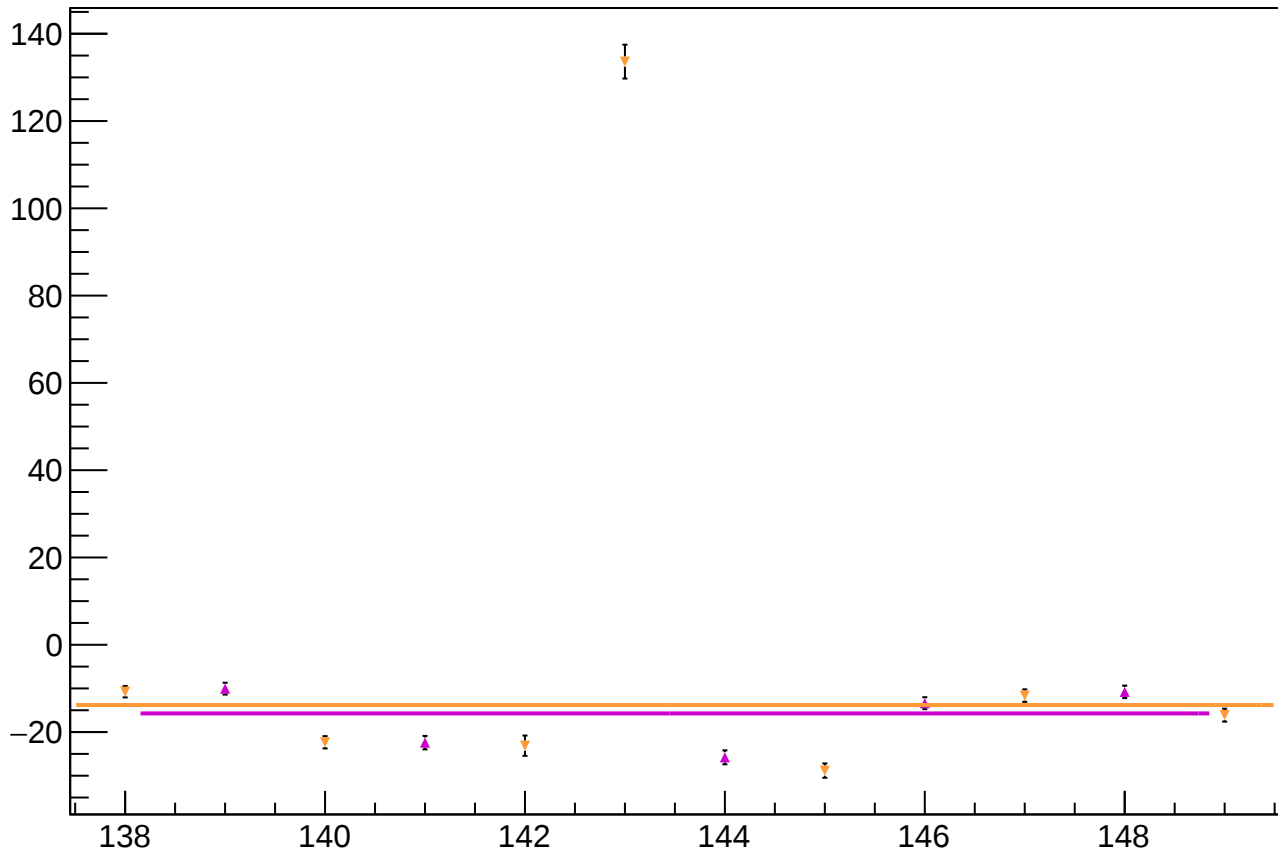
Right Out: -85.772 $\pm$ 0.065 χ^2 /NDF: 494629.5/19

Left In: -162.282 $\pm$ 0.096 χ^2 /NDF: 38859.9/4

-113.972 $\pm$ 0.052 χ^2 /NDF: 1002629.3/23

-109.758 $\pm$ 0.054 χ^2 /NDF: 967555.7/24

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



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

Left Out: -13.800 ± 0.615 $\chi^2/\text{NDF}: 1588.7/6$

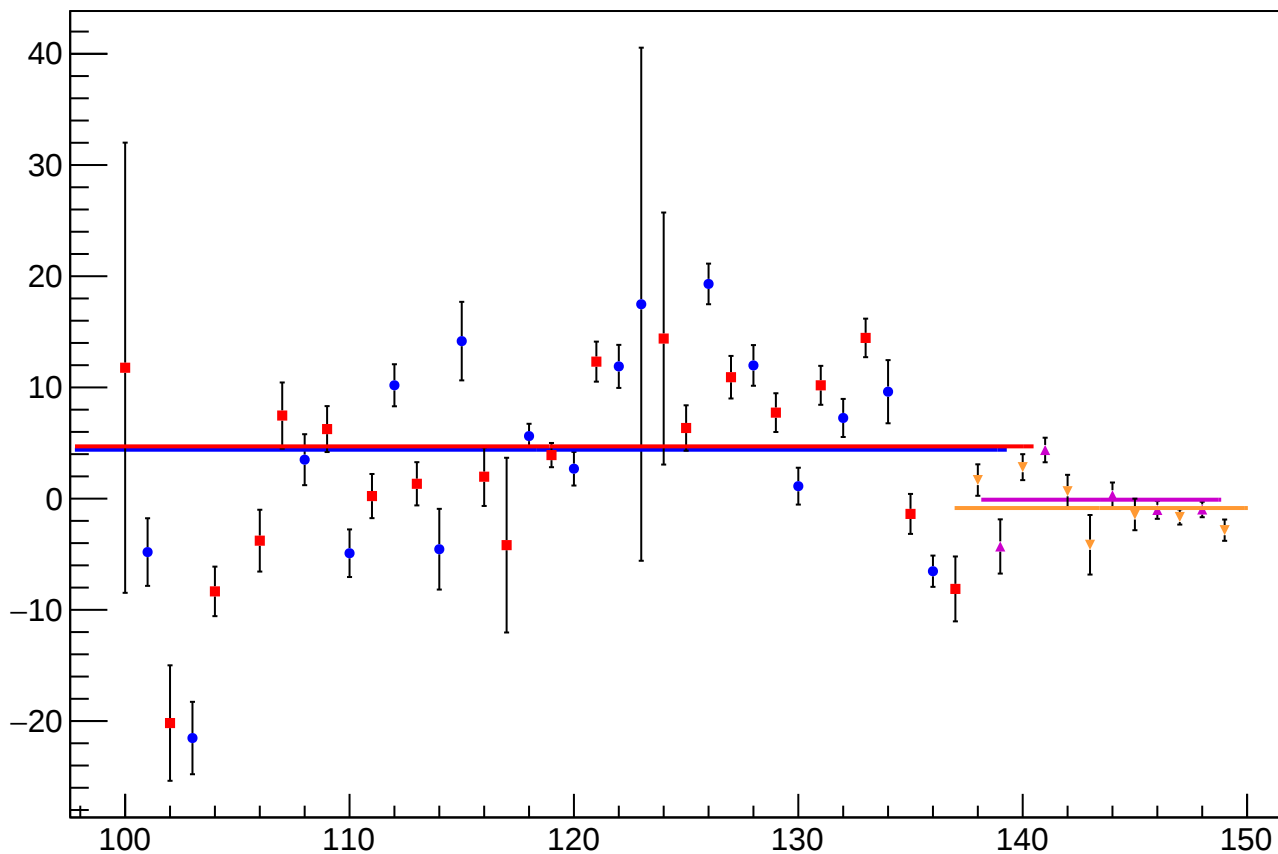
-13.800 ± 0.615 $\chi^2/\text{NDF}: 1588.7/6$

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

Left In: -15.731 ± 0.650 $\chi^2/\text{NDF}: 90.2/4$

-15.731 ± 0.650 $\chi^2/\text{NDF}: 90.2/4$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: -0.846 ± 0.424 χ^2/NDF : 21.5/6

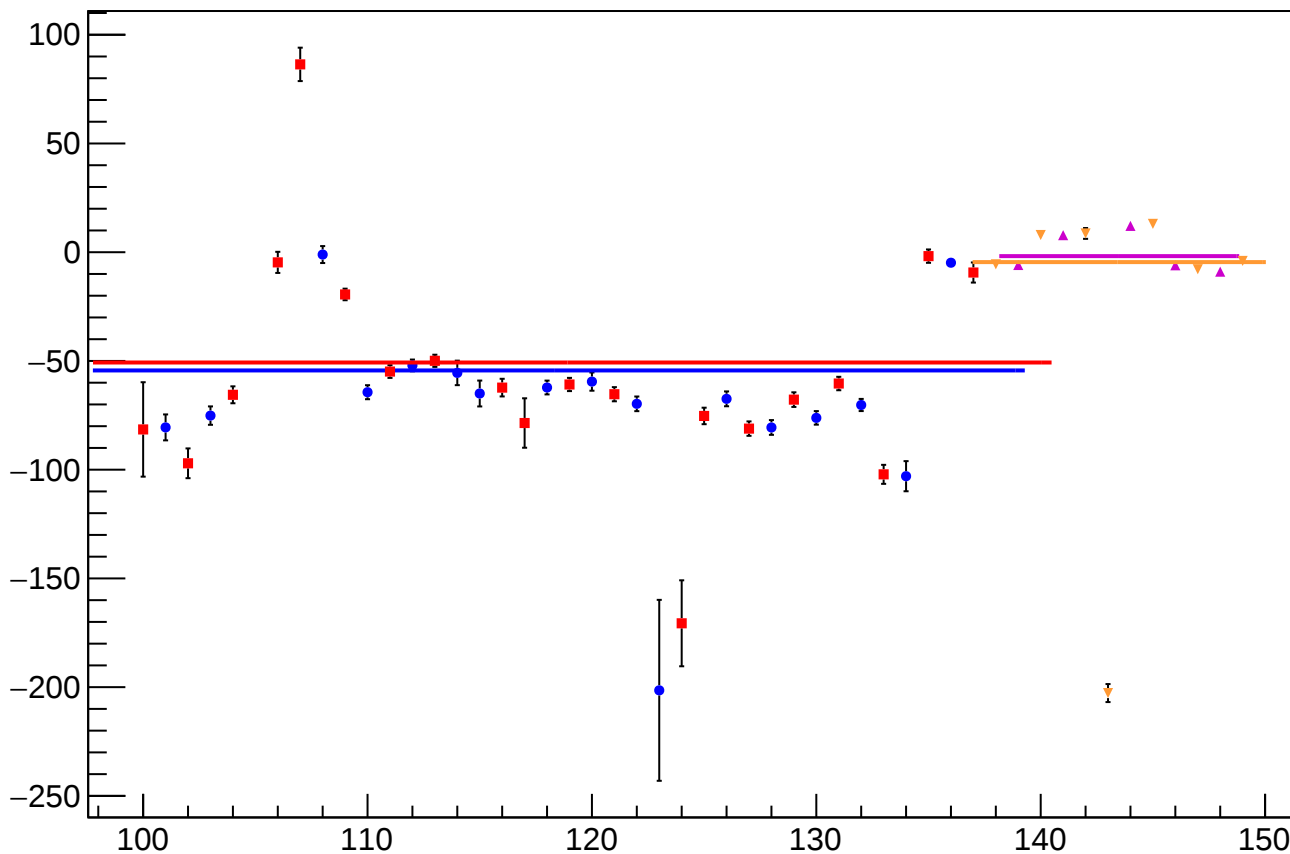
Right Out: 4.700 ± 0.472 χ^2/NDF : 184.2/19

Left In: -0.096 ± 0.431 χ^2/NDF : 22.4/4

1.499 ± 0.315 χ^2/NDF : 376.9/23

2.086 ± 0.319 χ^2/NDF : 262.8/24

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -4.545 ± 0.624 χ^2/NDF : 2496.9/6

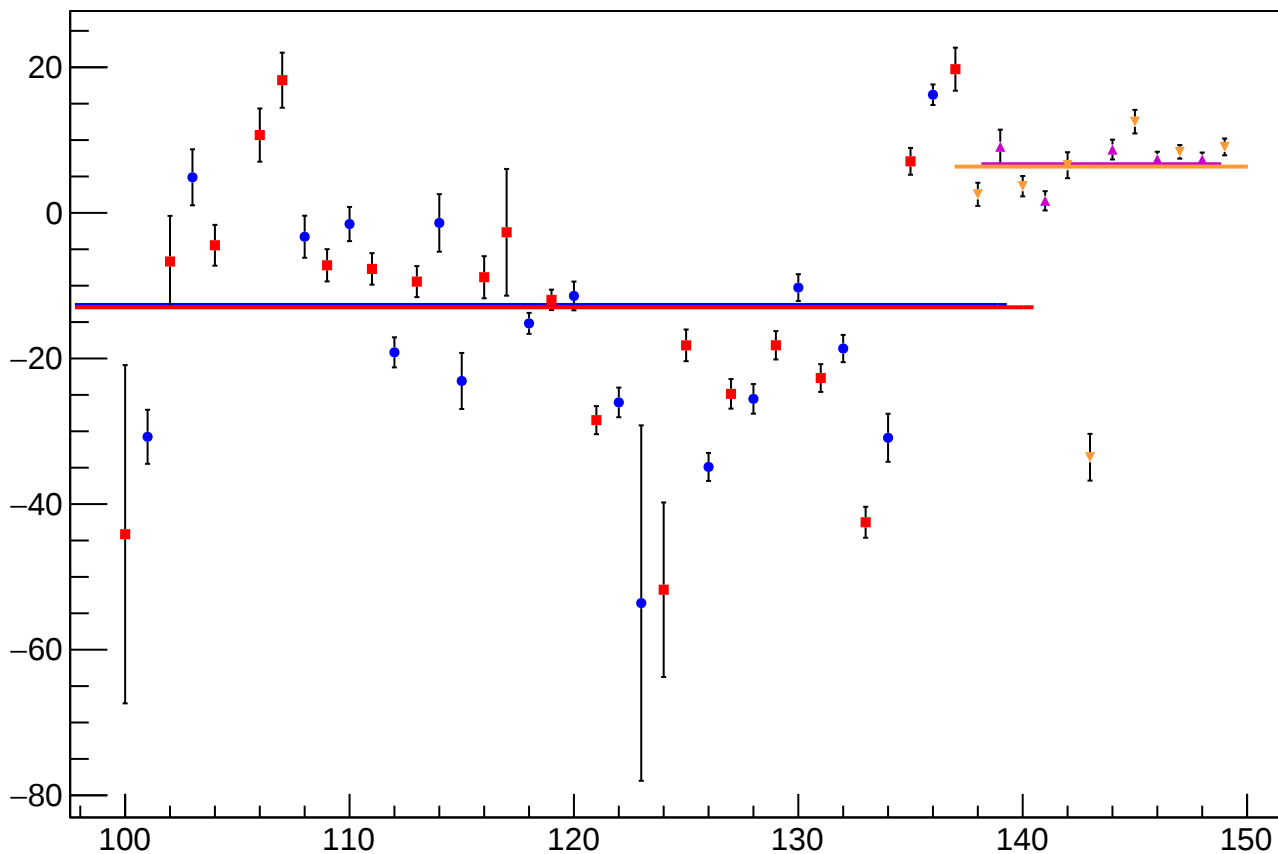
Right Out: -50.712 ± 0.855 χ^2/NDF : 1327.3/19

Left In: -1.794 ± 0.658 χ^2/NDF : 146.4/4

-21.510 ± 0.507 χ^2/NDF : 5681.7/23

-19.997 ± 0.522 χ^2/NDF : 3528.6/24

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: 6.358 $\pm$ 0.528 χ^2/NDF : 188.7/6

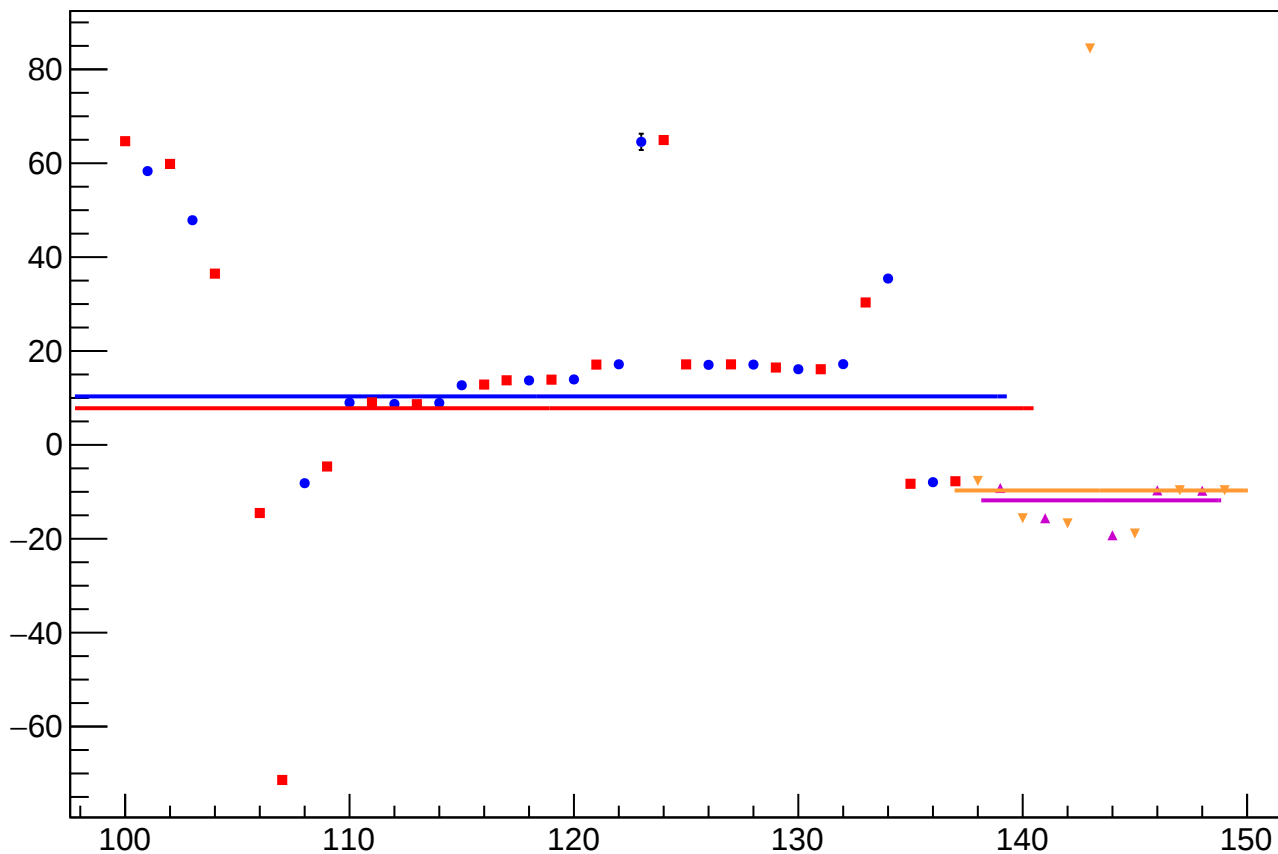
Right Out: -12.965 $\pm$ 0.536 χ^2/NDF : 722.8/19

Left In: 6.678 $\pm$ 0.551 χ^2/NDF : 18.5/4

-2.998 $\pm$ 0.376 χ^2/NDF : 1614.9/23

-3.397 $\pm$ 0.384 χ^2/NDF : 1394.3/24

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: -9.709+/-0.026 χ^2/NDF : 354315.9/6

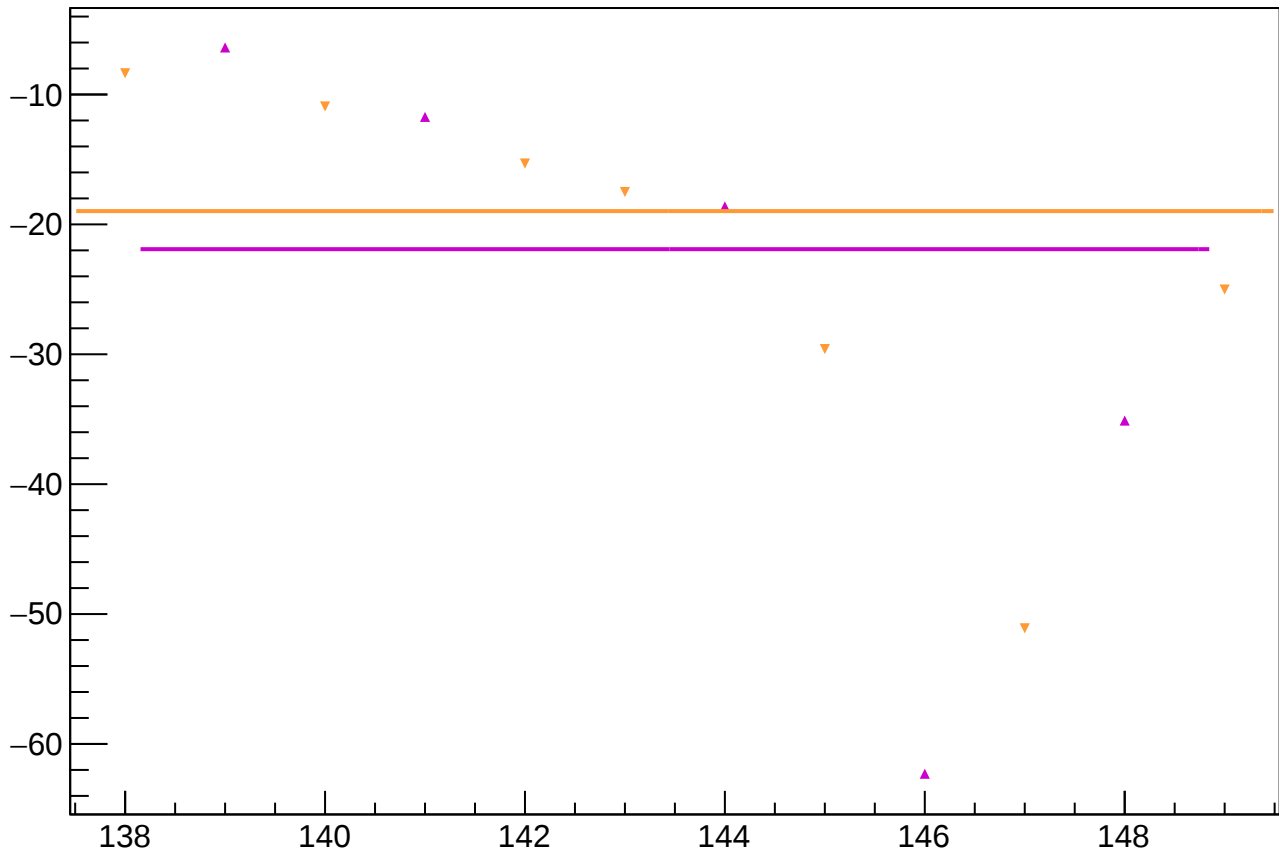
Right Out: 7.808+/-0.031 χ^2/NDF : 544249.7/19

Left In: -11.819+/-0.027 χ^2/NDF : 18206.9/4

-1.218+/-0.020 χ^2/NDF : 981100.3/23

-3.382+/-0.020 χ^2/NDF : 787358.7/24

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.977+/-0.103 χ^2/NDF : 14312.0/6

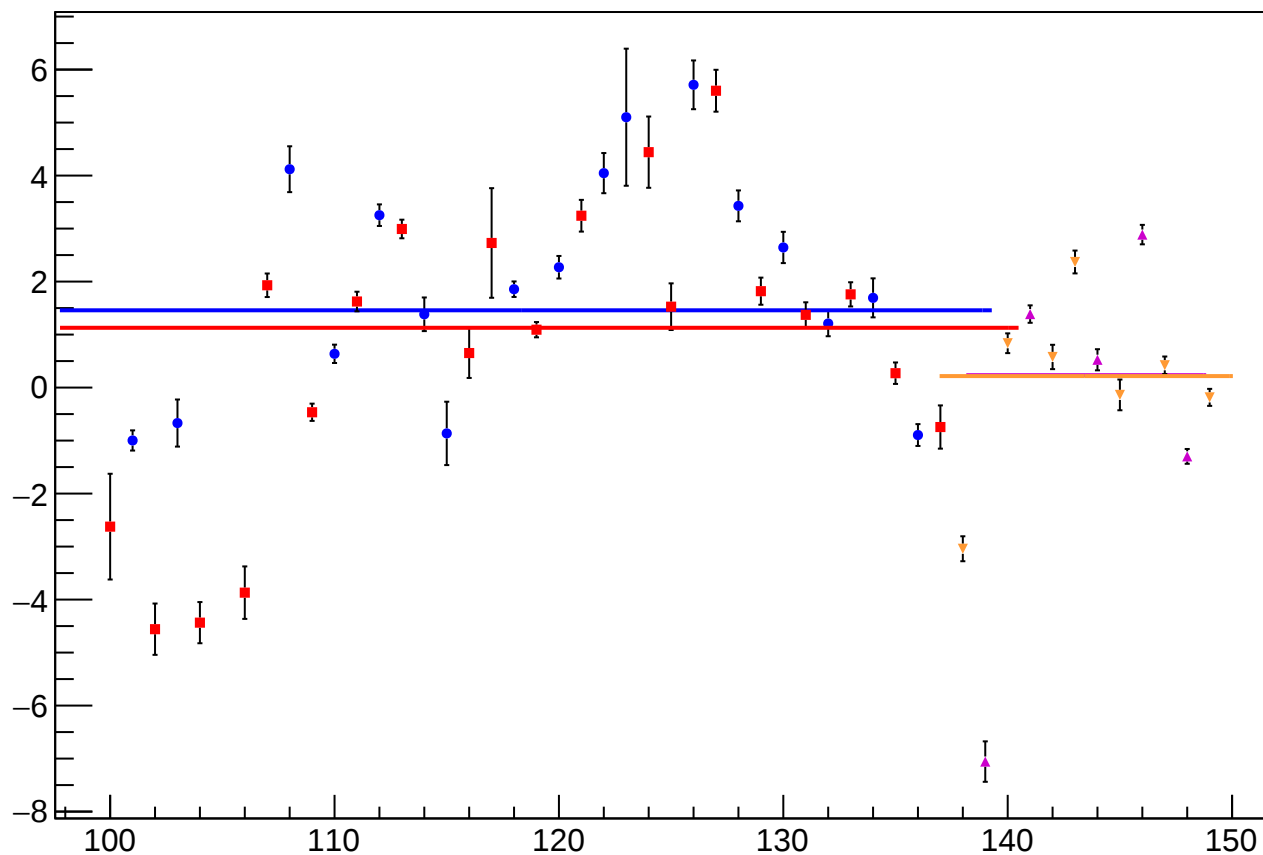
-18.977+/-0.103 χ^2/NDF : 14312.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -21.908+/-0.114 χ^2/NDF : 26176.3/4

-21.908+/-0.114 χ^2/NDF : 26176.3/4

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 ± 0.062 $\chi^2/\text{NDF}: 698.2/16$

Left Out: 0.217 ± 0.076 $\chi^2/\text{NDF}: 314.1/6$

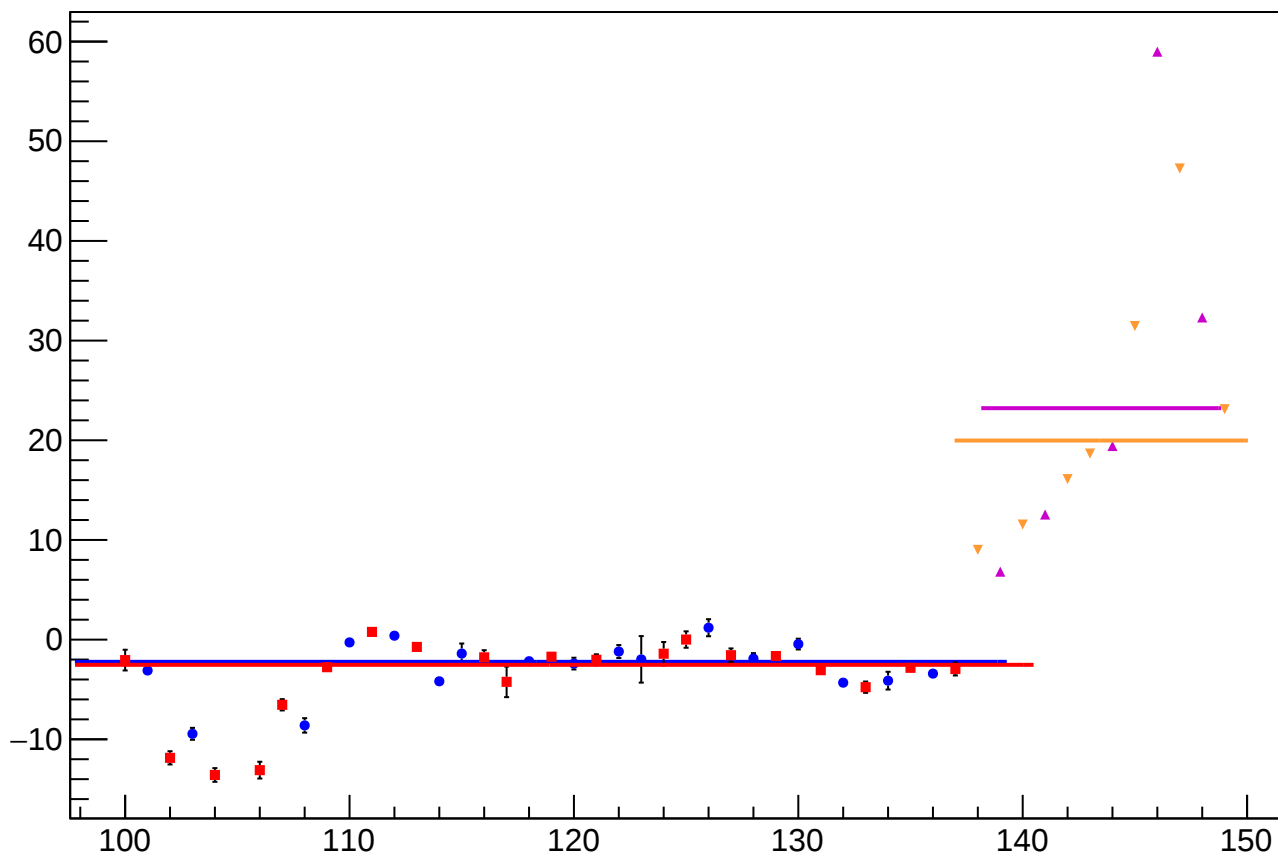
Right Out: 1.128 ± 0.058 $\chi^2/\text{NDF}: 949.8/19$

Left In: 0.234 ± 0.082 $\chi^2/\text{NDF}: 745.5/4$

0.959 ± 0.048 $\chi^2/\text{NDF}: 1173.6/23$

0.828 ± 0.047 $\chi^2/\text{NDF}: 1775.0/24$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 19.975 ± 0.106 χ^2/NDF : 12149.2/6

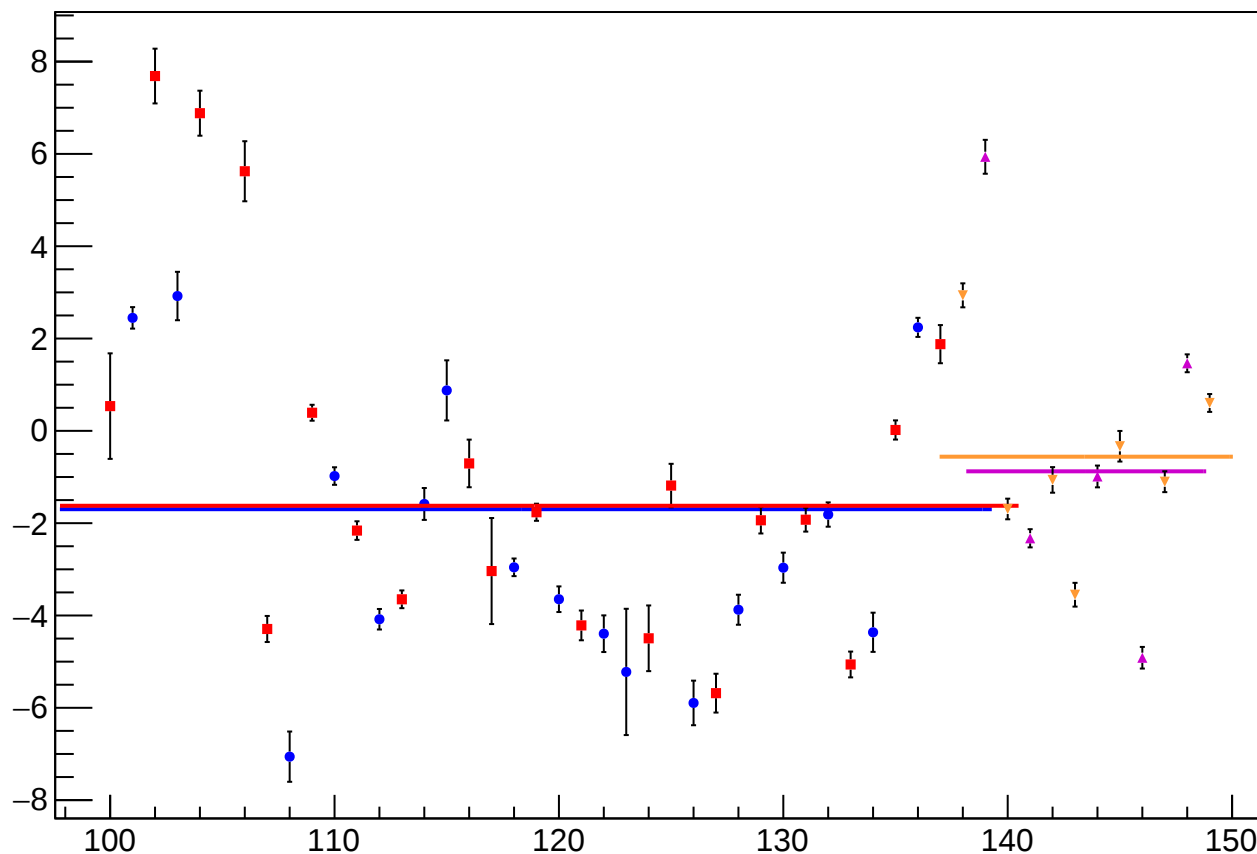
Right Out: -2.527 ± 0.099 χ^2/NDF : 905.2/19

Left In: 23.221 ± 0.118 χ^2/NDF : 22527.6/4

9.413 ± 0.077 χ^2/NDF : 33487.1/23

8.119 ± 0.076 χ^2/NDF : 51529.6/24

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -0.560 ± 0.092 χ^2/NDF : 387.4/6

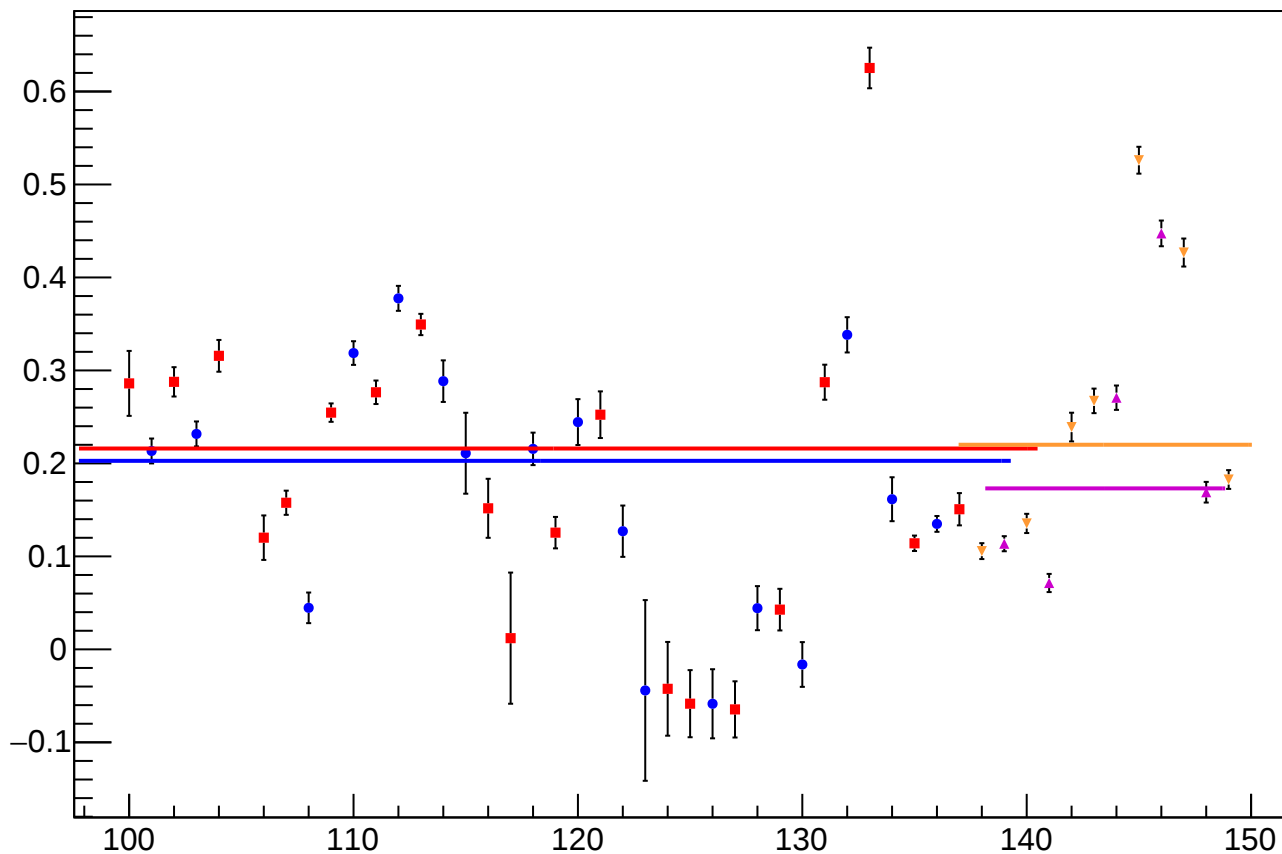
Right Out: -1.623 ± 0.066 χ^2/NDF : 1490.8/19

Left In: -0.877 ± 0.102 χ^2/NDF : 841.6/4

-1.271 ± 0.056 χ^2/NDF : 1802.6/23

-1.405 ± 0.055 χ^2/NDF : 2370.1/24

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16

Left Out: 0.220 $\pm$ 0.004 χ^2 /NDF: 911.2/6

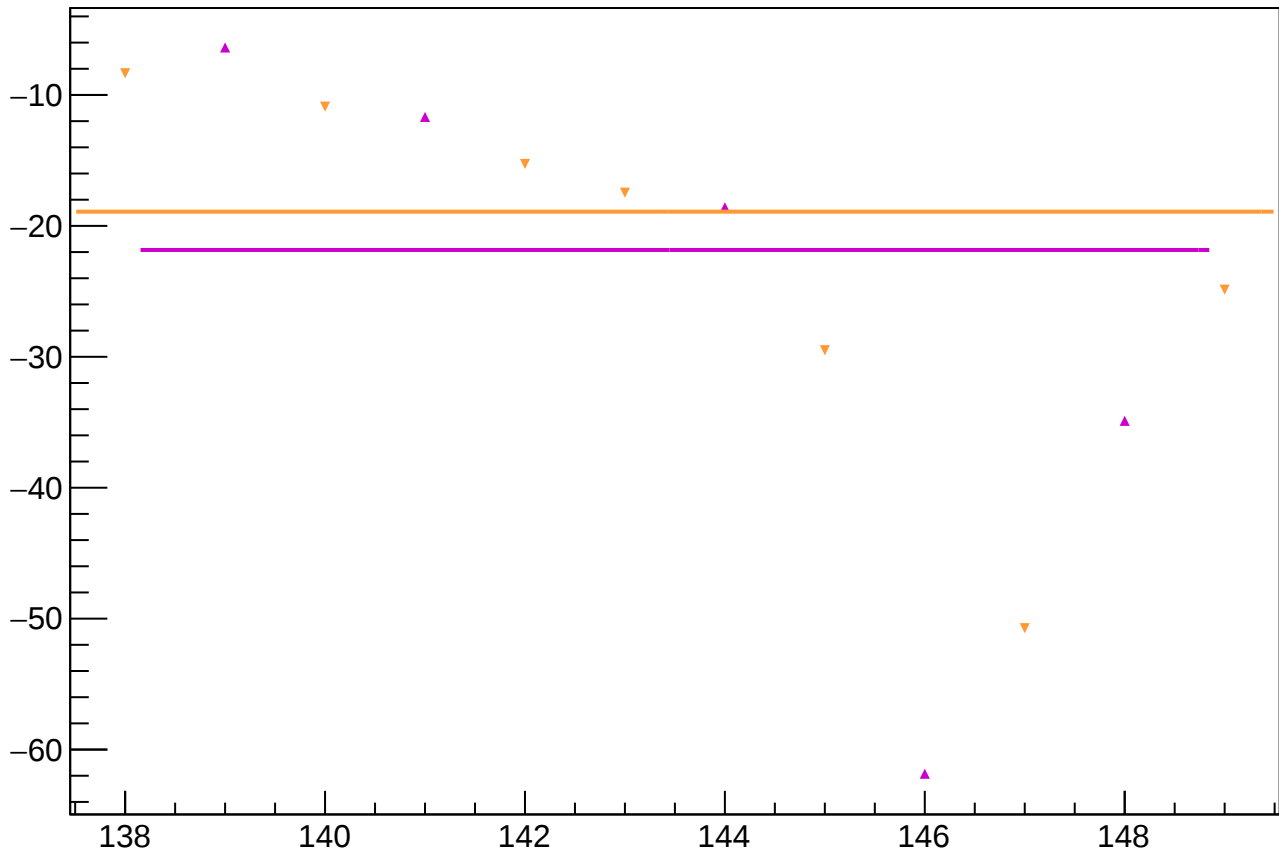
Right Out: 0.216 $\pm$ 0.004 χ^2 /NDF: 1072.8/19

Left In: 0.173 $\pm$ 0.005 χ^2 /NDF: 611.2/4

0.211 $\pm$ 0.003 χ^2 /NDF: 1595.9/23

0.200 $\pm$ 0.003 χ^2 /NDF: 1735.2/24

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.913+/-0.102 χ^2/NDF : 14278.6/6

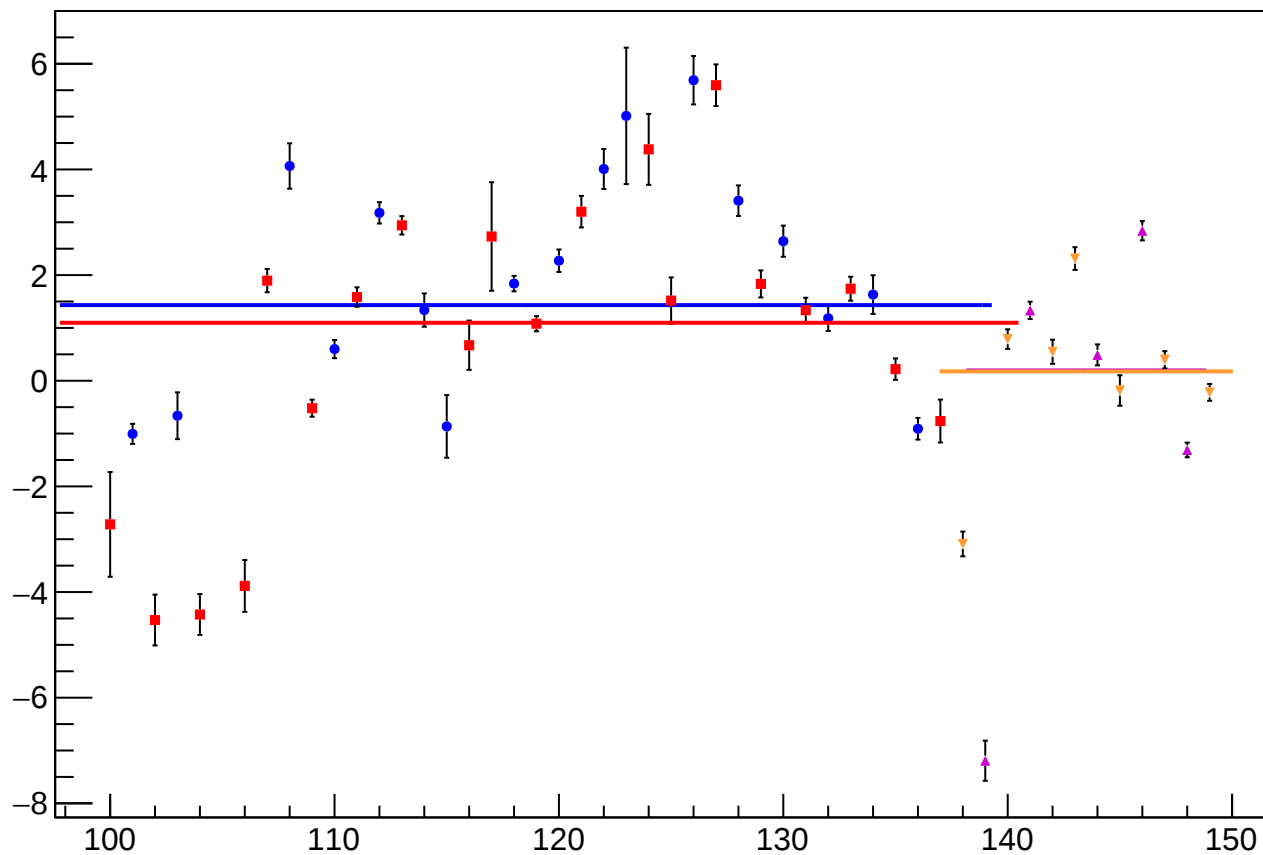
-18.913+/-0.102 χ^2/NDF : 14278.6/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-21.840+/-0.114 χ^2/NDF : 26106.5/4

Left In: -21.840+/-0.114 χ^2/NDF : 26106.5/4

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 0.177 ± 0.075 χ^2/NDF : 316.5/6

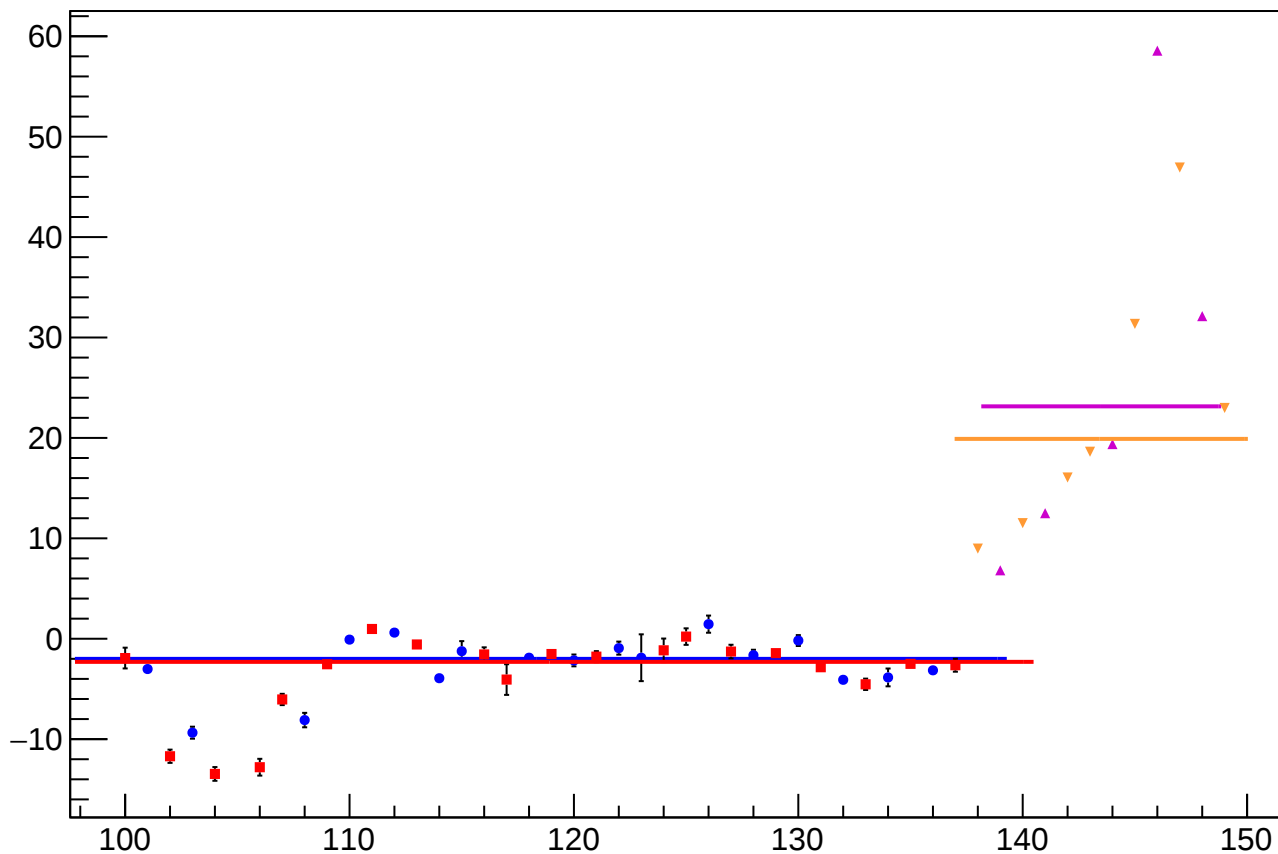
Right Out: 1.098 ± 0.058 χ^2/NDF : 955.7/19

Left In: 0.195 ± 0.081 χ^2/NDF : 757.3/4

0.927 ± 0.048 χ^2/NDF : 1179.5/23

0.794 ± 0.047 χ^2/NDF : 1795.0/24

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 19.904 ± 0.105 χ^2/NDF : 12115.4/6

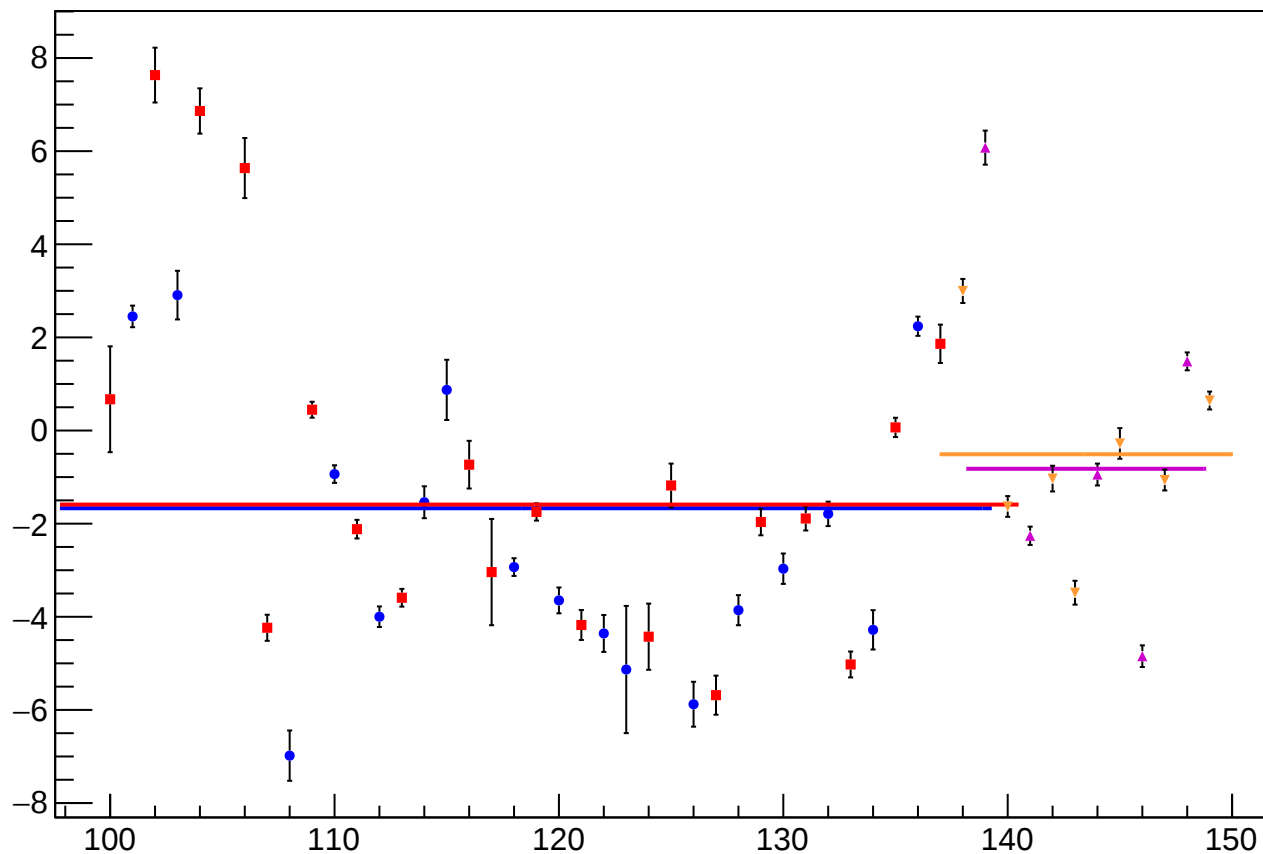
Right Out: -2.302 ± 0.098 χ^2/NDF : 908.6/19

Left In: 23.143 ± 0.117 χ^2/NDF : 22454.3/4

9.486 ± 0.076 χ^2/NDF : 33116.2/23

8.221 ± 0.075 χ^2/NDF : 51099.9/24

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -0.509 ± 0.091 χ^2/NDF : 390.1/6

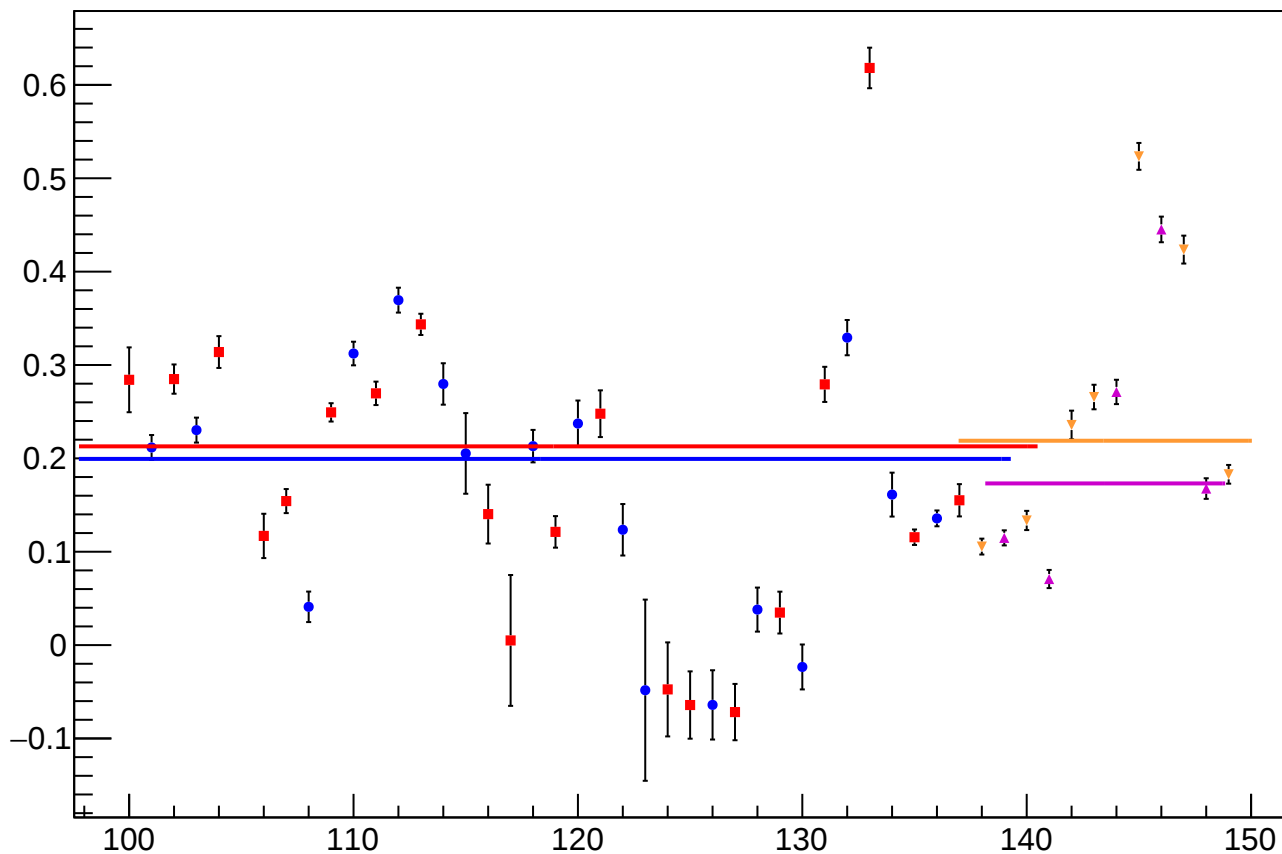
Right Out: -1.590 ± 0.065 χ^2/NDF : 1496.3/19

Left In: -0.822 ± 0.102 χ^2/NDF : 853.1/4

-1.234 ± 0.056 χ^2/NDF : 1805.6/23

-1.365 ± 0.055 χ^2/NDF : 2390.0/24

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199+/-0.004 χ^2/NDF : 662.1/16

Left Out: 0.219+/-0.004 χ^2/NDF : 909.2/6

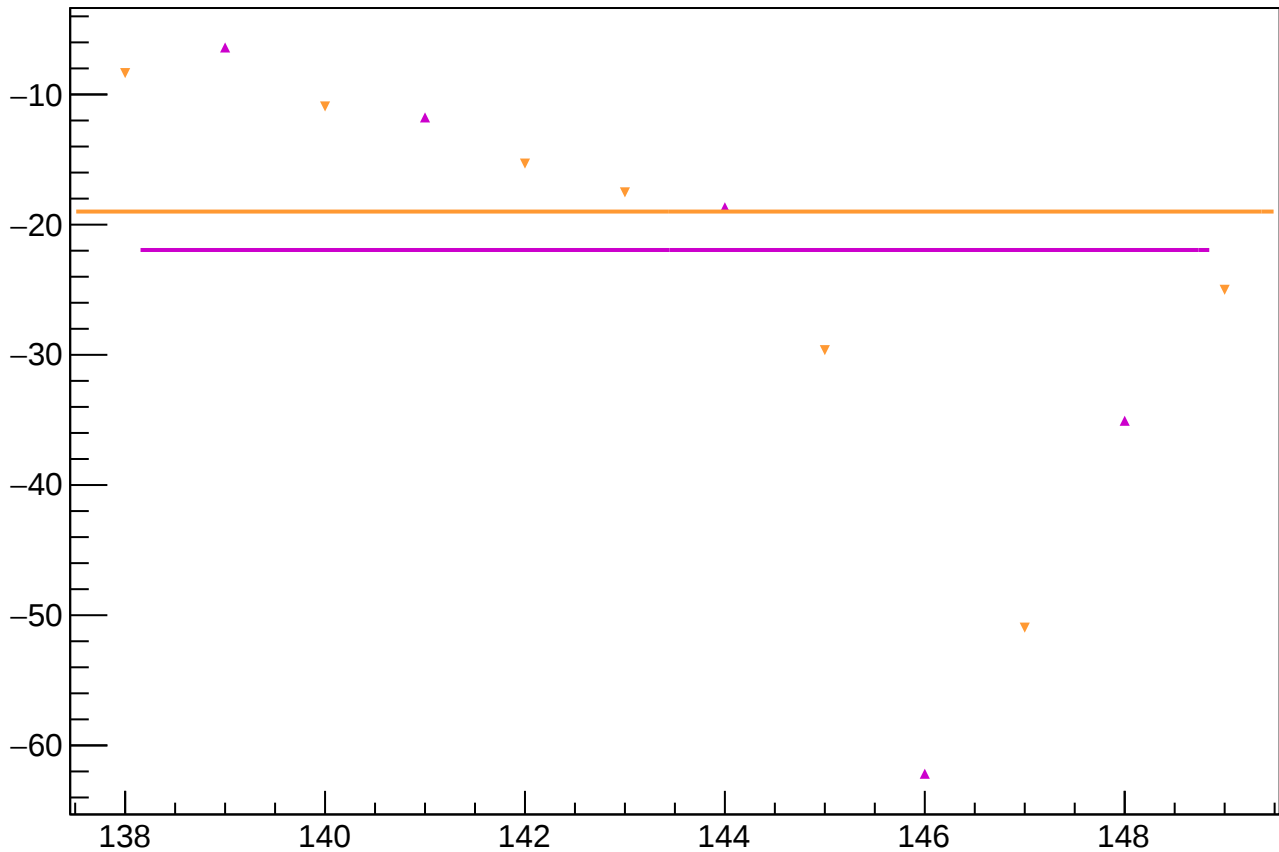
Right Out: 0.213+/-0.004 χ^2/NDF : 1057.0/19

Left In: 0.173+/-0.005 χ^2/NDF : 612.4/4

0.209+/-0.003 χ^2/NDF : 1581.8/23

0.198+/-0.003 χ^2/NDF : 1713.7/24

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.994+/-0.103 χ^2/NDF : 14293.5/6

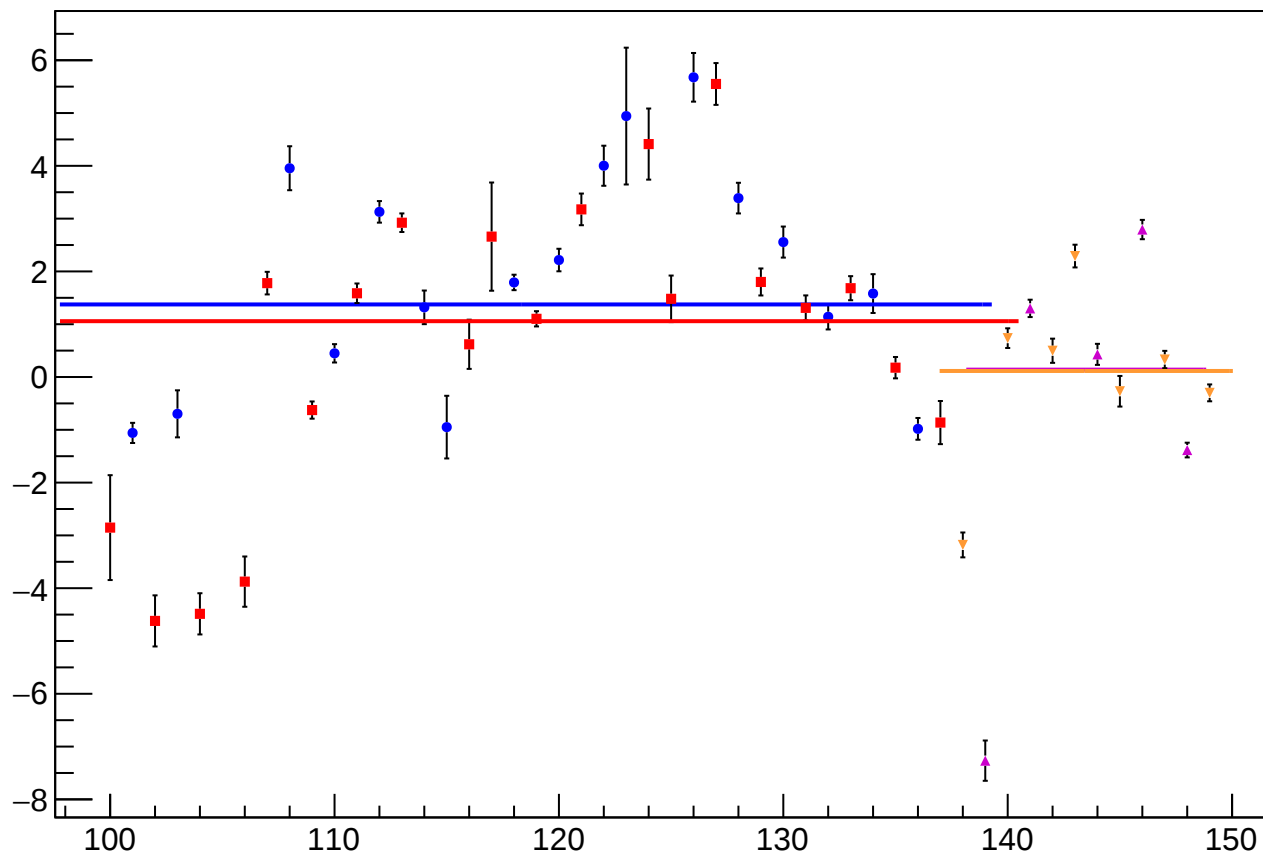
-18.994+/-0.103 χ^2/NDF : 14293.5/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-21.946+/-0.114 χ^2/NDF : 26146.2/4

Left In: -21.946+/-0.114 χ^2/NDF : 26146.2/4

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 0.114 ± 0.075 χ^2/NDF : 322.1/6

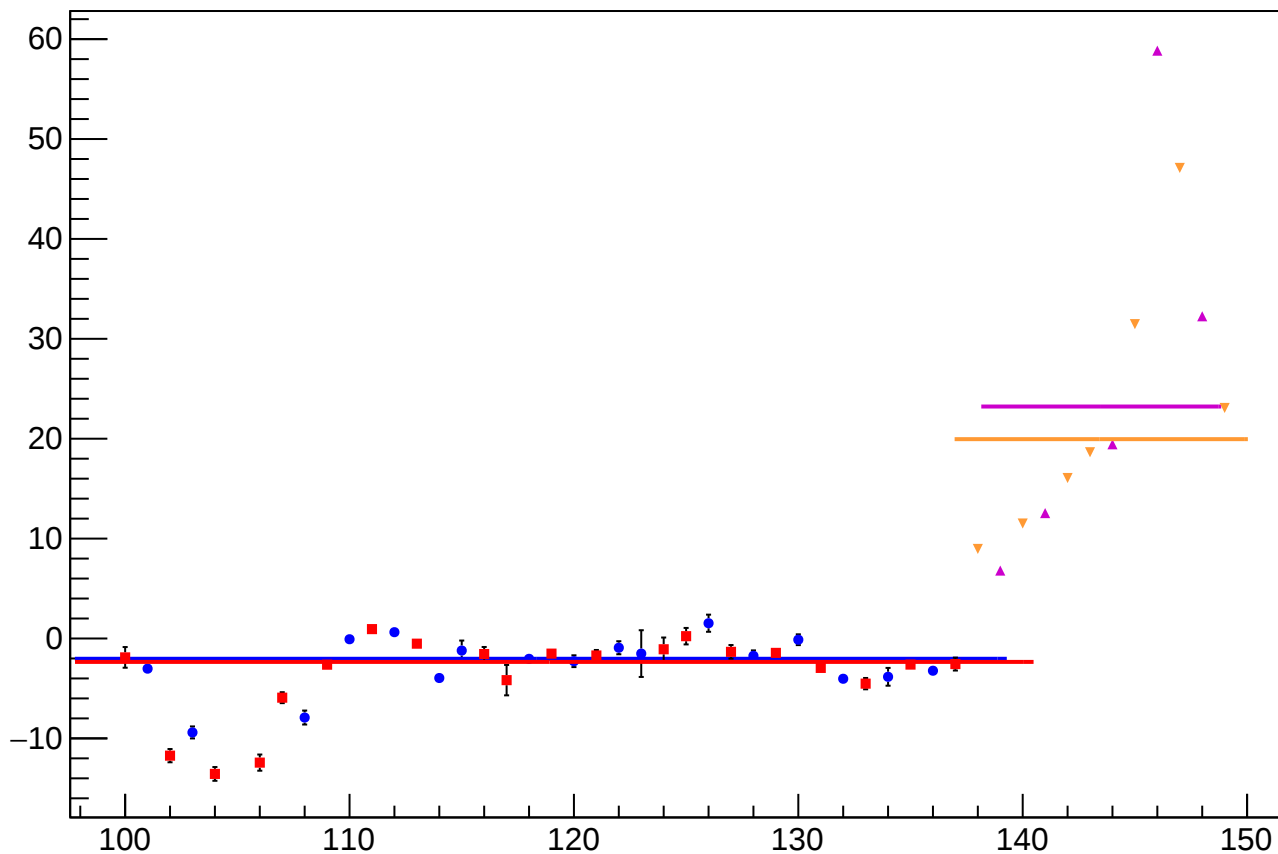
Right Out: 1.058 ± 0.058 χ^2/NDF : 966.5/19

Left In: 0.140 ± 0.082 χ^2/NDF : 758.3/4

0.867 ± 0.048 χ^2/NDF : 1191.1/23

0.750 ± 0.047 χ^2/NDF : 1809.0/24

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 19.955 ± 0.106 χ^2/NDF : 12128.5/6

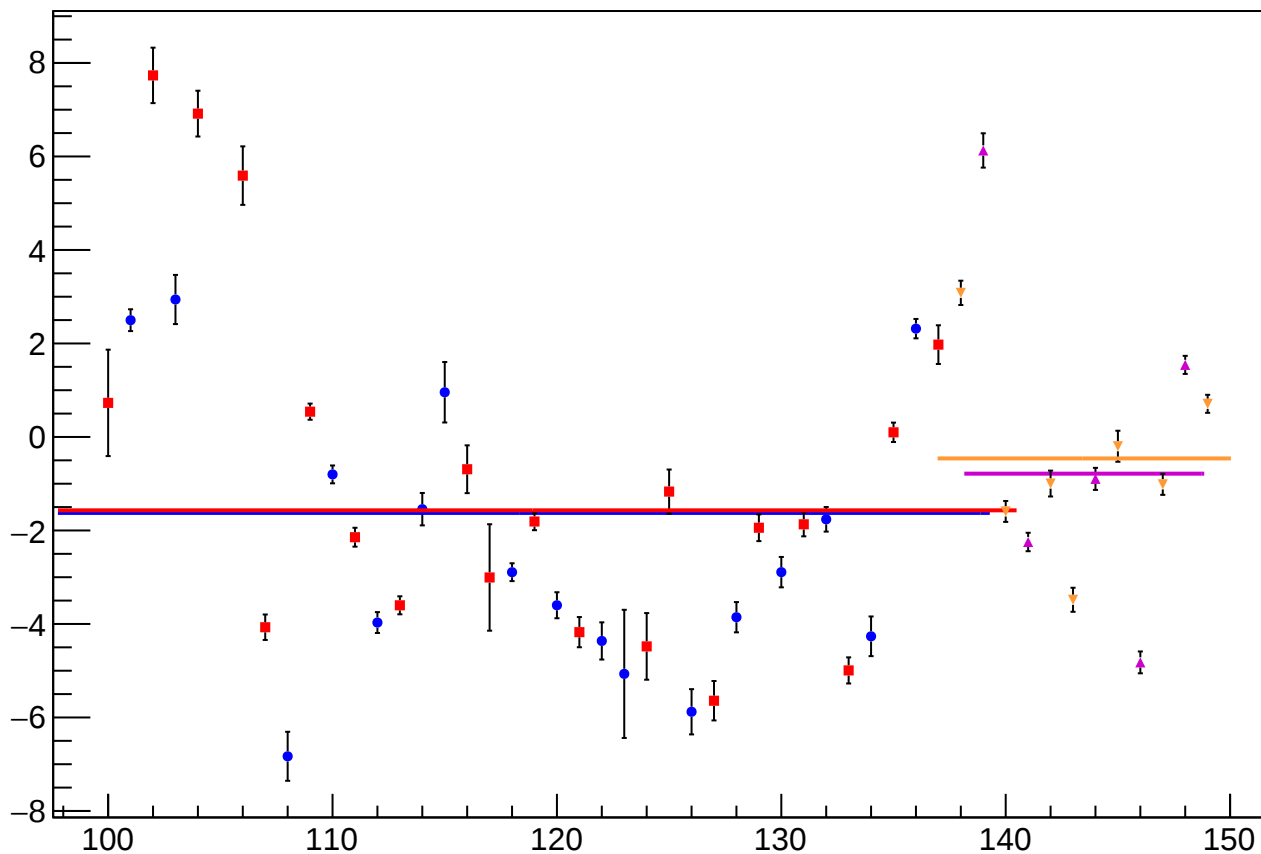
Right Out: -2.344 ± 0.099 χ^2/NDF : 903.4/19

Left In: 23.221 ± 0.118 χ^2/NDF : 22495.1/4

9.513 ± 0.077 χ^2/NDF : 33078.2/23

8.234 ± 0.076 χ^2/NDF : 51140.2/24

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -0.460 ± 0.092 χ^2/NDF : 396.8/6

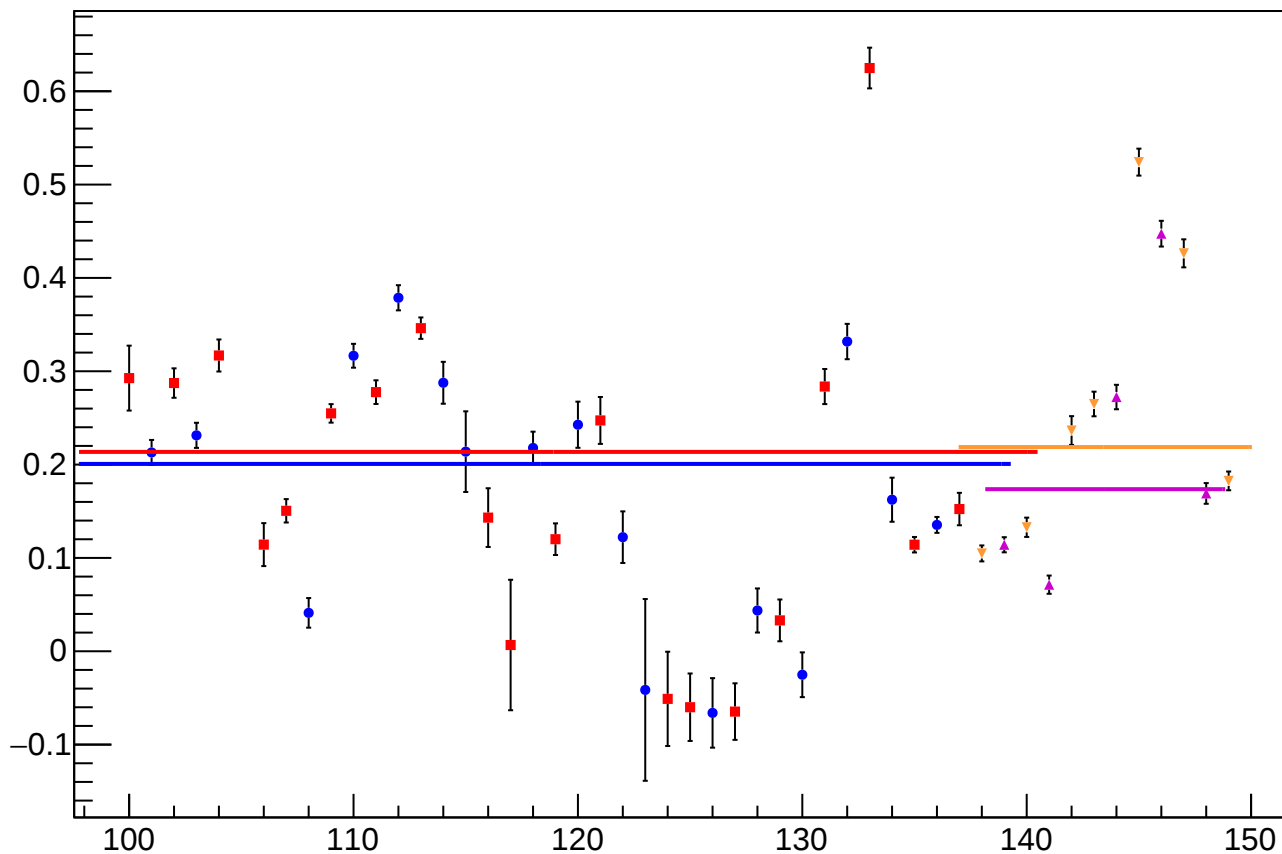
Right Out: -1.570 ± 0.065 χ^2/NDF : 1507.4/19

Left In: -0.785 ± 0.102 χ^2/NDF : 852.9/4

-1.188 ± 0.056 χ^2/NDF : 1818.3/23

-1.341 ± 0.055 χ^2/NDF : 2402.2/24

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.219 ± 0.004 χ^2/NDF : 910.6/6

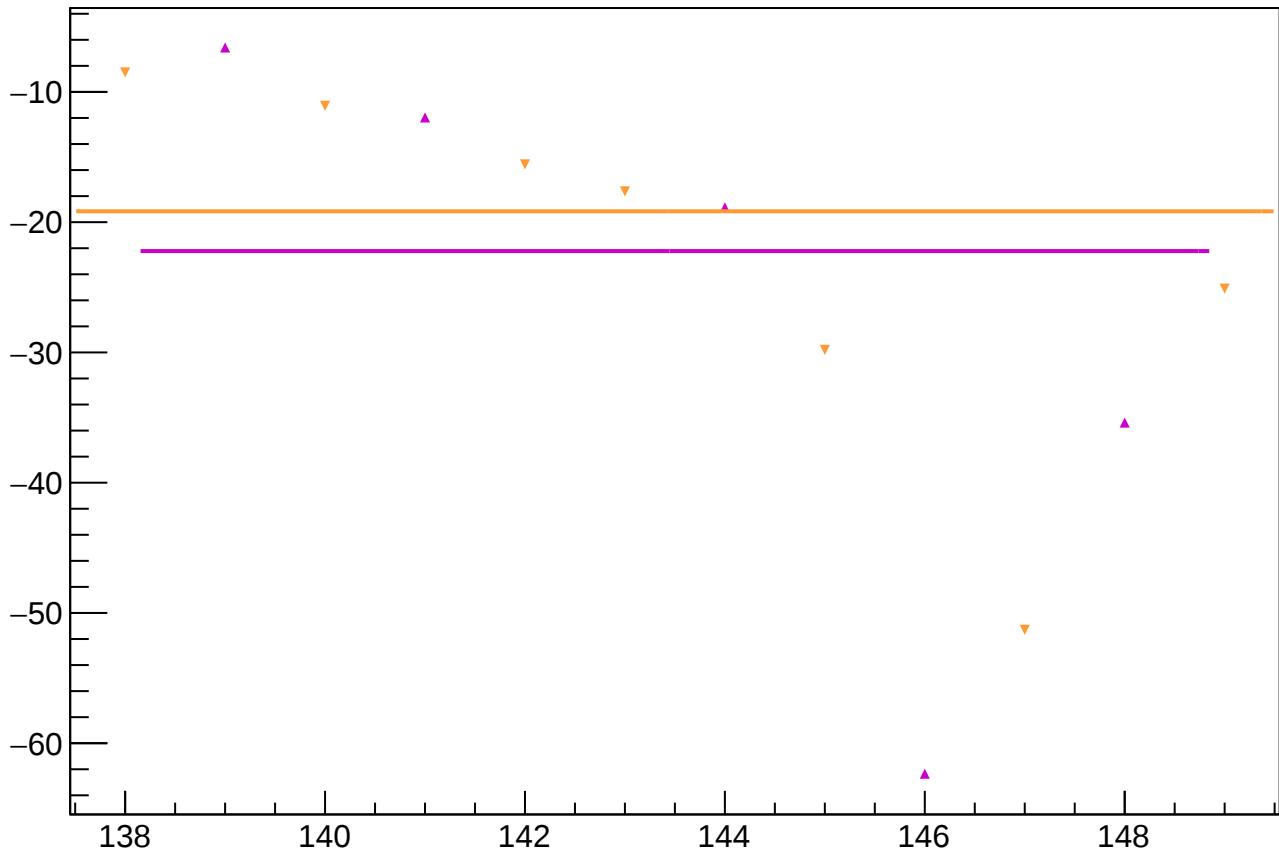
Right Out: 0.214 ± 0.004 χ^2/NDF : 1089.2/19

Left In: 0.174 ± 0.005 χ^2/NDF : 614.6/4

0.209 ± 0.003 χ^2/NDF : 1610.2/23

0.198 ± 0.003 χ^2/NDF : 1748.3/24

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -19.164+/-0.104 χ^2/NDF : 14149.0/6

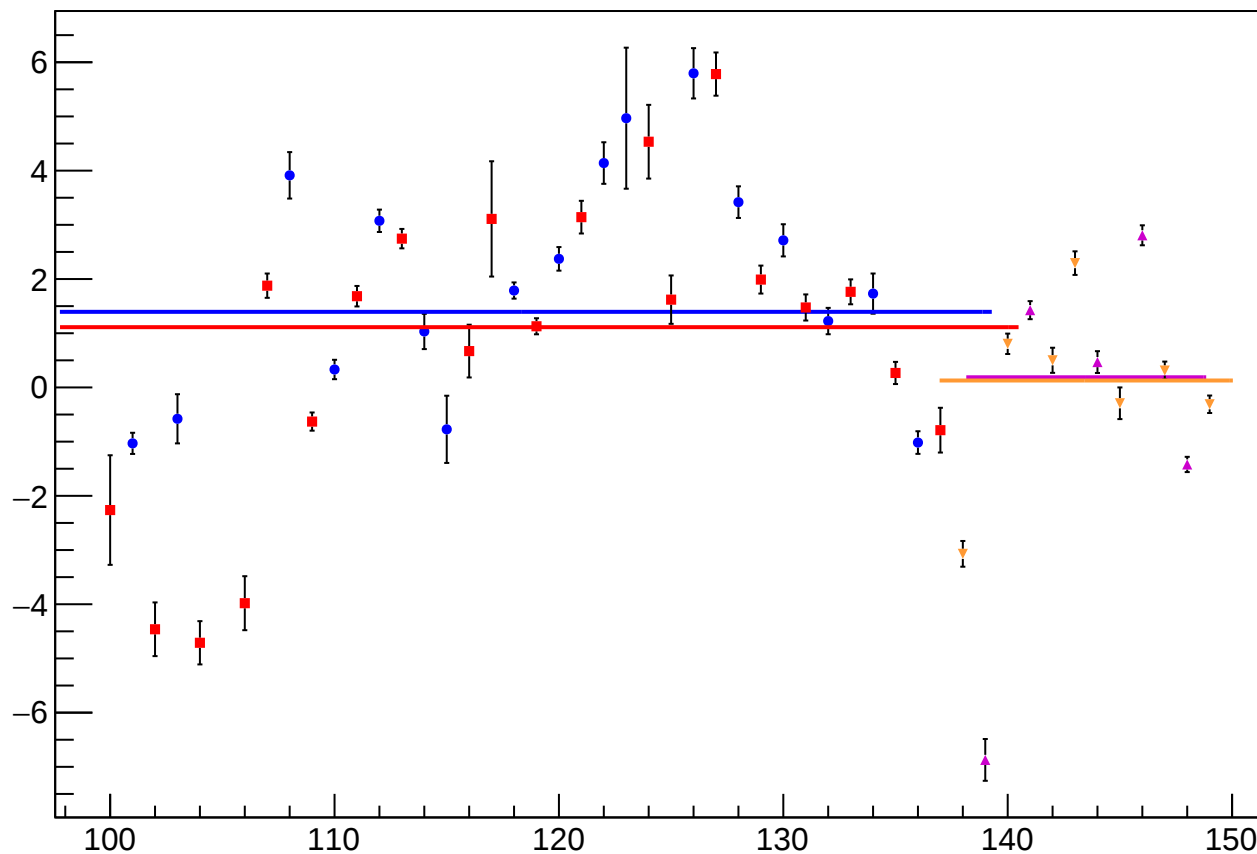
-19.164+/-0.104 χ^2/NDF : 14149.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-22.217+/-0.115 χ^2/NDF : 25754.5/4

Left In: -22.217+/-0.115 χ^2/NDF : 25754.5/4

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: 0.128 $\pm$ 0.076 χ^2 /NDF:306.6/6

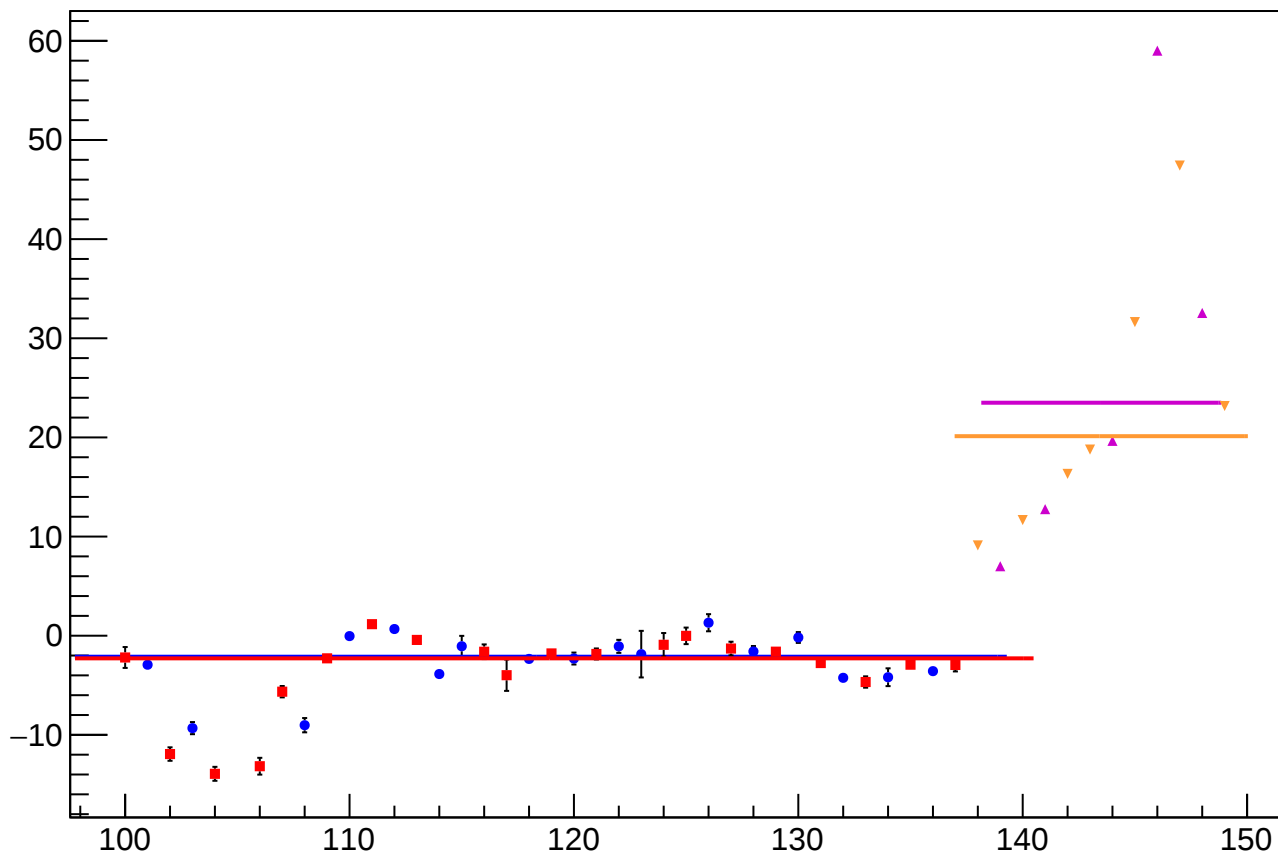
Right Out: 1.112 $\pm$ 0.059 χ^2 /NDF: 940.5/19

Left In: 0.187 $\pm$ 0.082 χ^2 /NDF:725.1/4

0.880 $\pm$ 0.049 χ^2 /NDF: 1172.2/23

0.797 $\pm$ 0.048 χ^2 /NDF: 1748.8/24

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 20.125 ± 0.107 χ^2/NDF : 12004.7/6

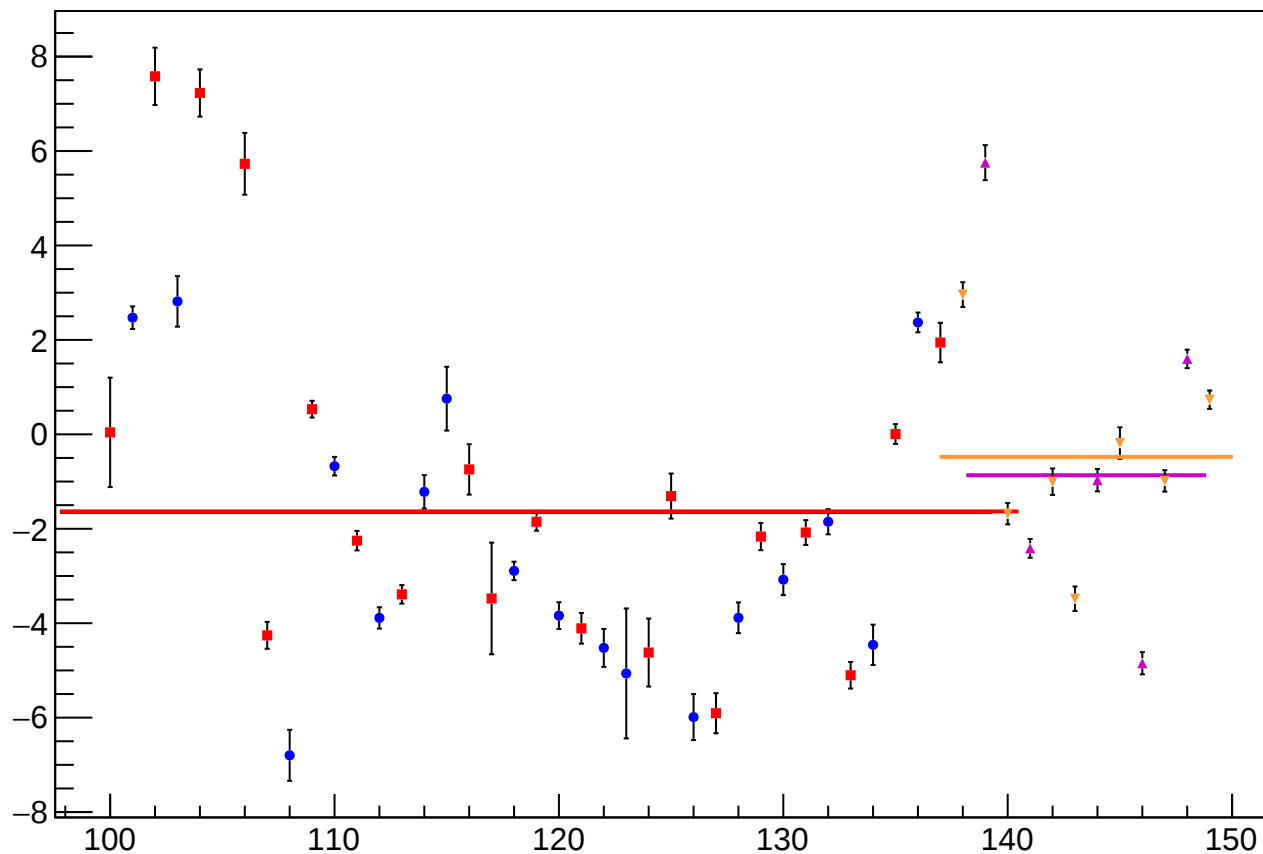
Right Out: -2.284 ± 0.101 χ^2/NDF : 920.6/19

Left In: 23.499 ± 0.119 χ^2/NDF : 22130.8/4

9.657 ± 0.078 χ^2/NDF : 32897.5/23

8.524 ± 0.077 χ^2/NDF : 50459.7/24

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -0.477 ± 0.093 $\chi^2/\text{NDF}: 382.2/6$

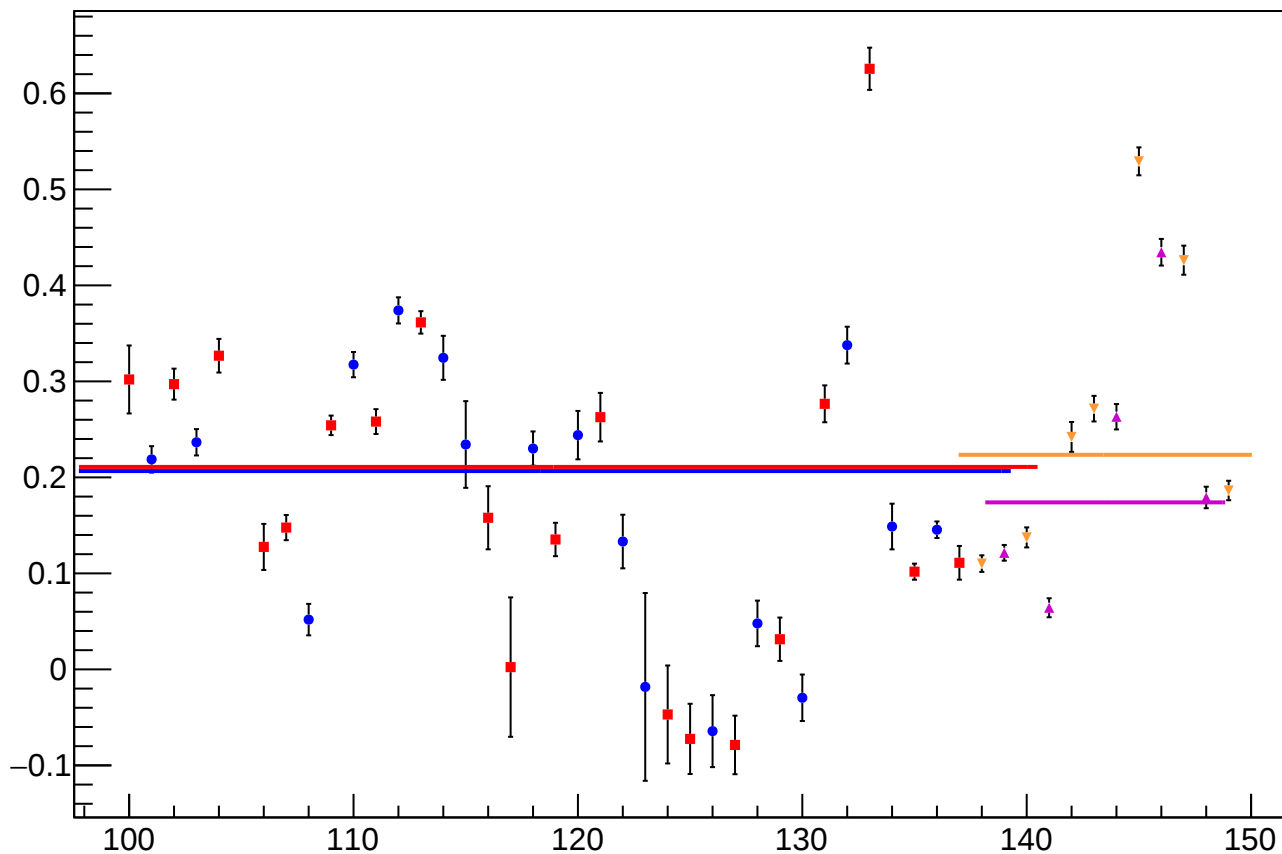
Right Out: -1.633 ± 0.067 $\chi^2/\text{NDF}: 1470.6/19$

Left In: -0.866 ± 0.103 $\chi^2/\text{NDF}: 824.3/4$

-1.201 ± 0.057 $\chi^2/\text{NDF}: 1790.7/23$

-1.406 ± 0.056 $\chi^2/\text{NDF}: 2334.0/24$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.224 $\pm$ 0.004 χ^2/NDF : 889.2/6

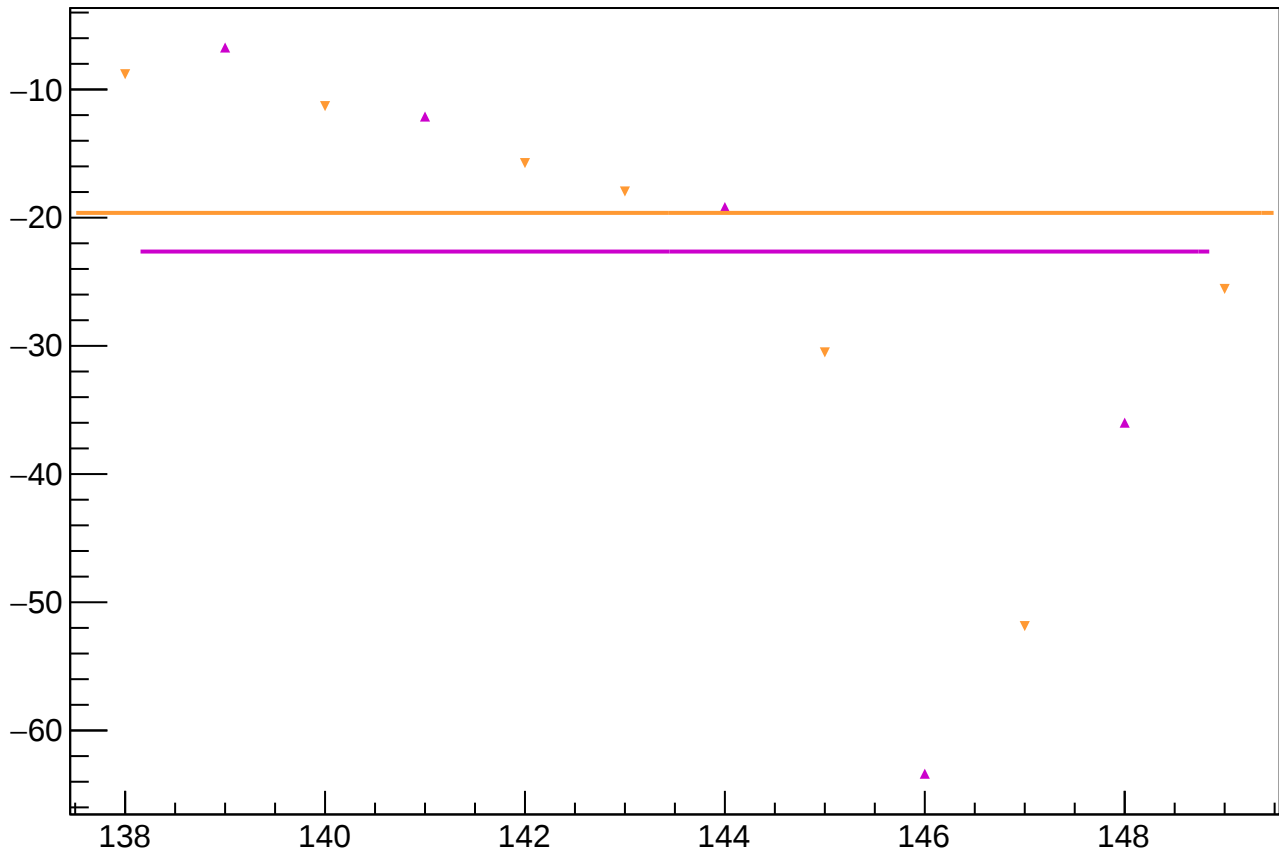
Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1153.8/19

Left In: 0.174 $\pm$ 0.005 χ^2/NDF : 562.6/4

0.215 $\pm$ 0.003 χ^2/NDF : 1551.9/23

0.197 $\pm$ 0.003 χ^2/NDF : 1753.4/24

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -19.627+/-0.106 χ^2/NDF :13930.0/6

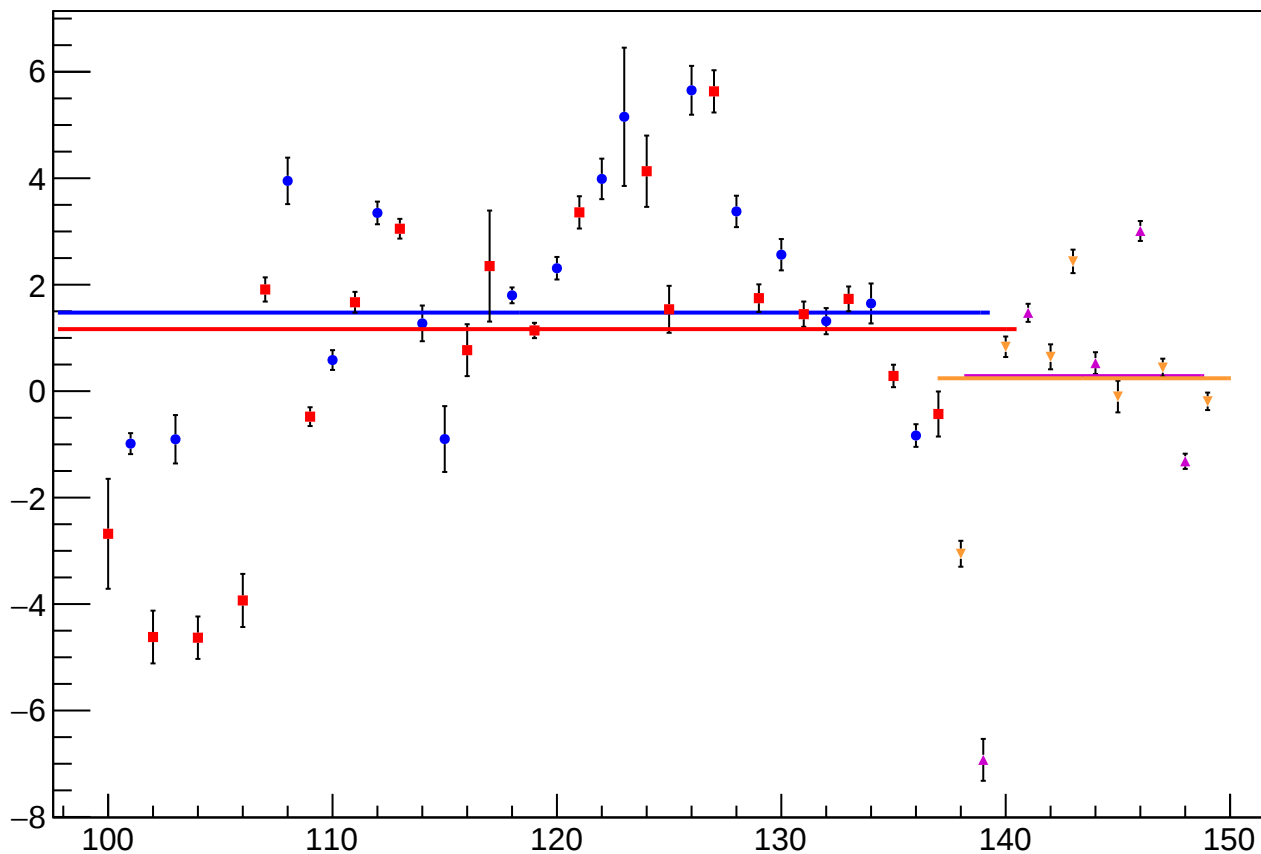
-19.627+/-0.106 χ^2/NDF : 13930.0/6

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -22.643+/-0.117 χ^2/NDF :25720.9/4

-22.643+/-0.117 χ^2/NDF : 25720.9/4

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 $\pm$ 0.064 χ^2 /NDF: 659.7/16

Left Out: 0.242 $\pm$ 0.077 χ^2 /NDF:304.5/6

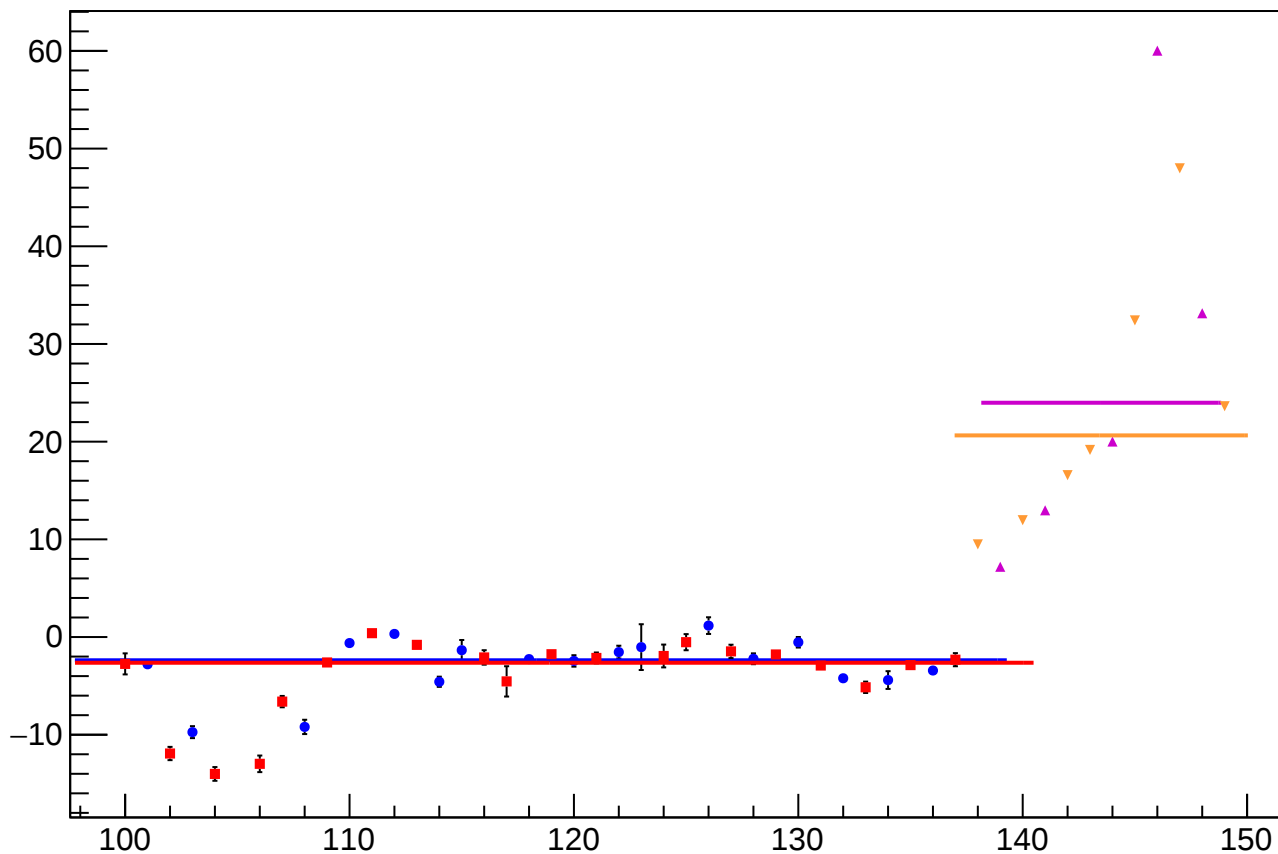
Right Out: 1.165 $\pm$ 0.060 χ^2 /NDF: 919.2/19

Left In: 0.283 $\pm$ 0.084 χ^2 /NDF:723.0/4

0.979 $\pm$ 0.049 χ^2 /NDF: 1115.8/23

0.867 $\pm$ 0.049 χ^2 /NDF: 1715.7/24

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 20.641 ± 0.109 χ^2/NDF : 11791.0/6

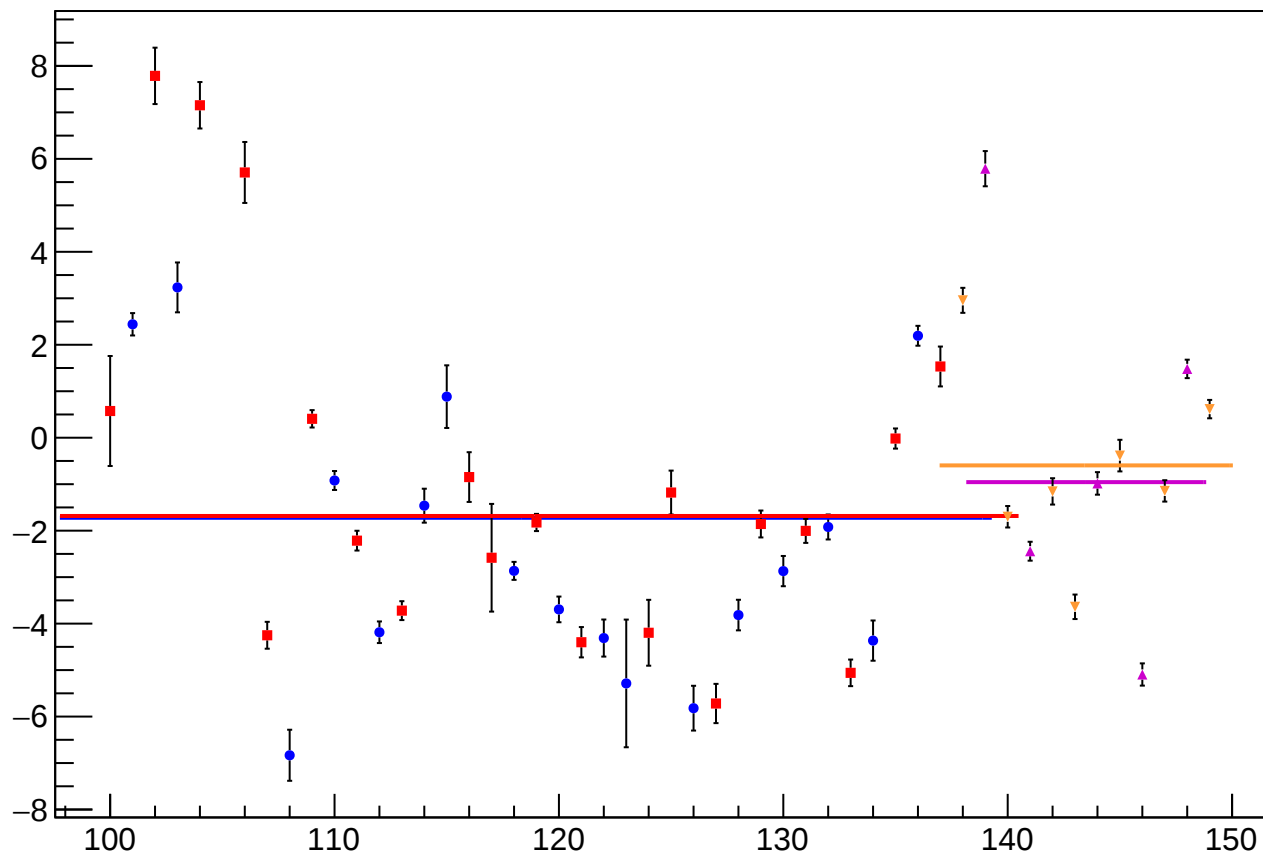
Right Out: -2.631 ± 0.103 χ^2/NDF : 842.8/19

Left In: 23.983 ± 0.121 χ^2/NDF : 22088.4/4

9.757 ± 0.079 χ^2/NDF : 33346.8/23

8.565 ± 0.078 χ^2/NDF : 51003.2/24

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 ± 0.073 $\chi^2/\text{NDF}: 1247.6/16$

Left Out: -0.596 ± 0.094 $\chi^2/\text{NDF}: 378.0/6$

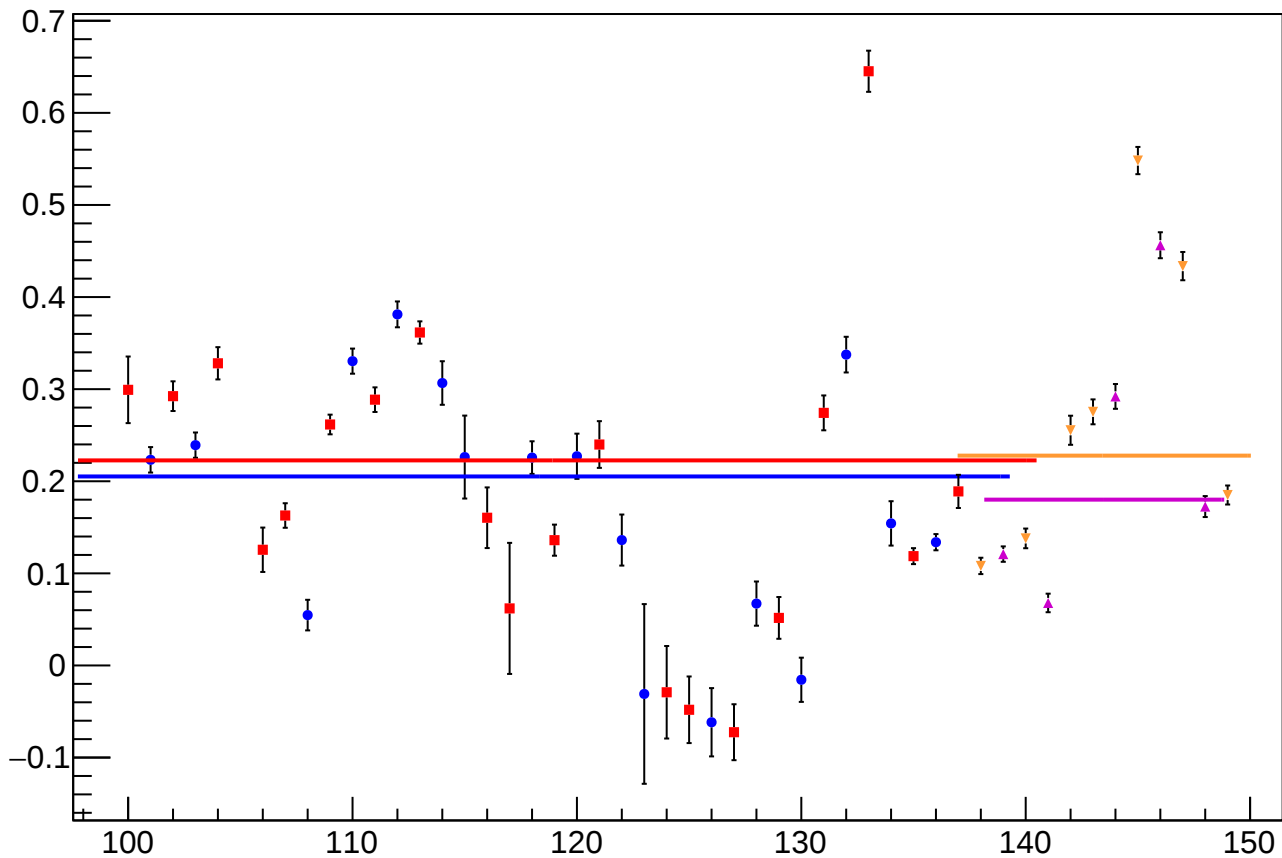
Right Out: -1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

Left In: -0.956 ± 0.105 $\chi^2/\text{NDF}: 820.7/4$

-1.299 ± 0.058 $\chi^2/\text{NDF}: 1714.8/23$

-1.469 ± 0.057 $\chi^2/\text{NDF}: 2286.4/24$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.004 χ^2/NDF : 650.7/16

Left Out: 0.228 $\pm$ 0.005 χ^2/NDF : 934.2/6

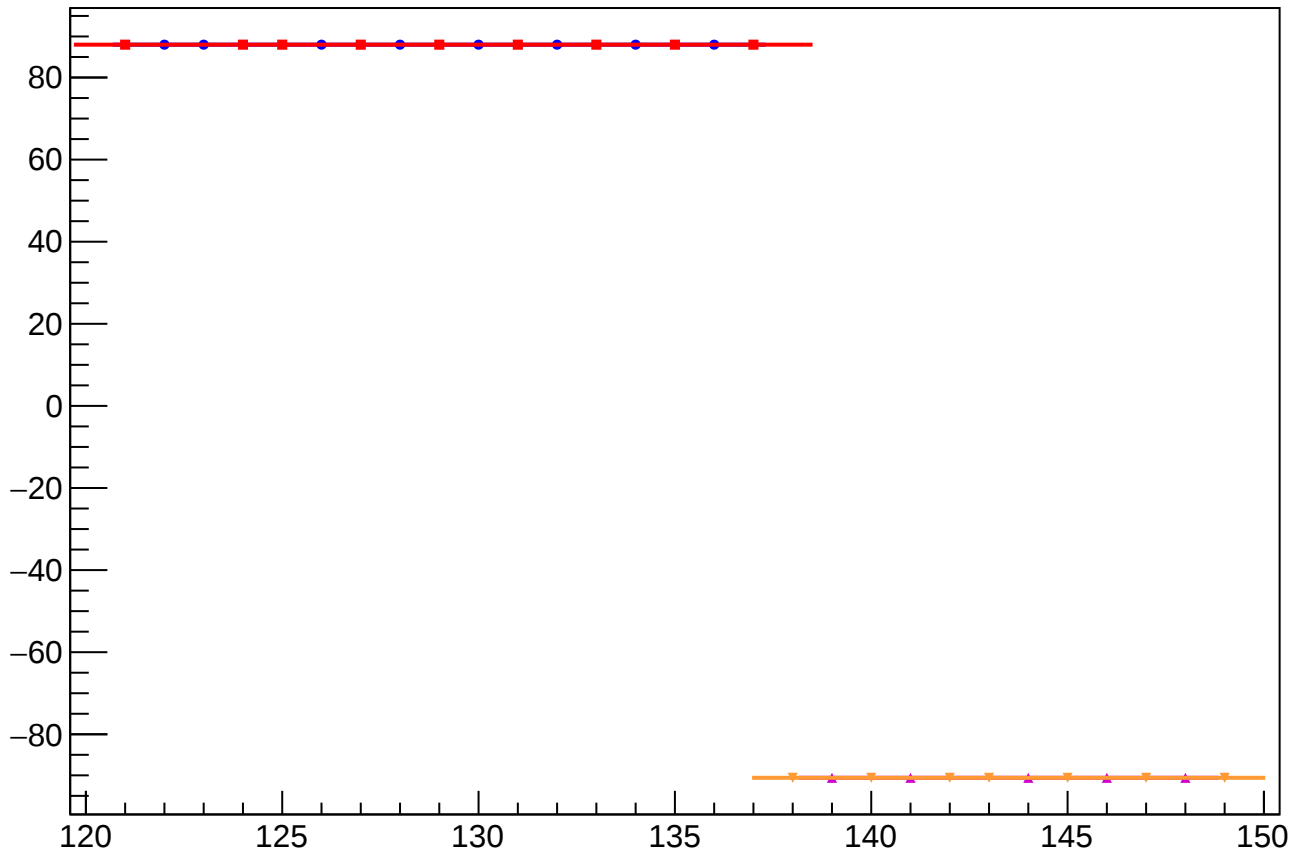
Right Out: 0.223 $\pm$ 0.004 χ^2/NDF : 1045.6/19

Left In: 0.180 $\pm$ 0.005 χ^2/NDF : 627.4/4

0.216 $\pm$ 0.003 χ^2/NDF : 1598.1/23

0.206 $\pm$ 0.003 χ^2/NDF : 1720.5/24

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 3052046.0/6

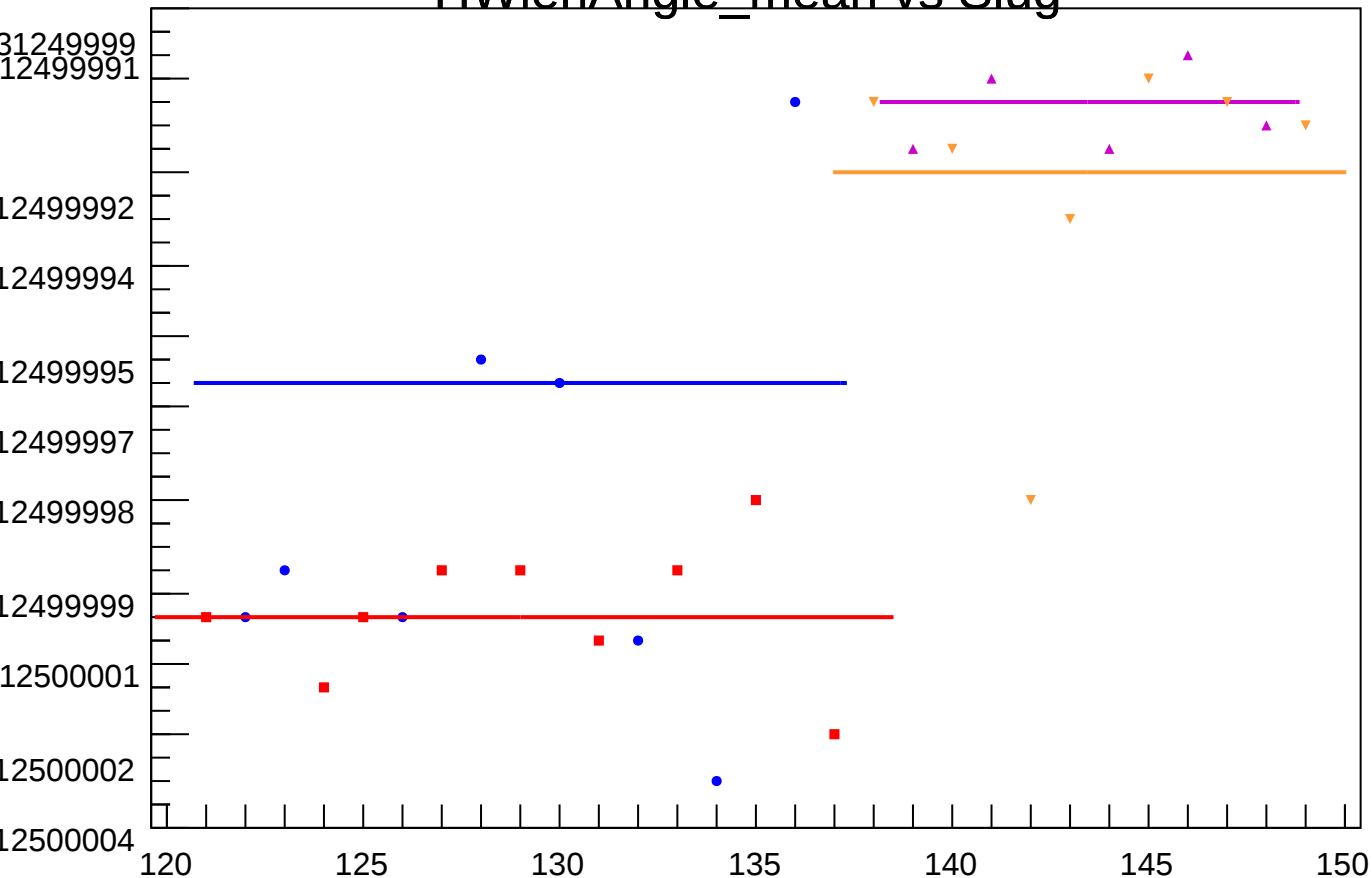
Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: -90.599+/-0.000 χ^2/NDF : 274245.9/4

-19.409+/-0.000 χ^2/NDF : 65607188777622341

-12.979+/-0.000 χ^2/NDF : 57531490934604816

HWienAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 156535.2/6

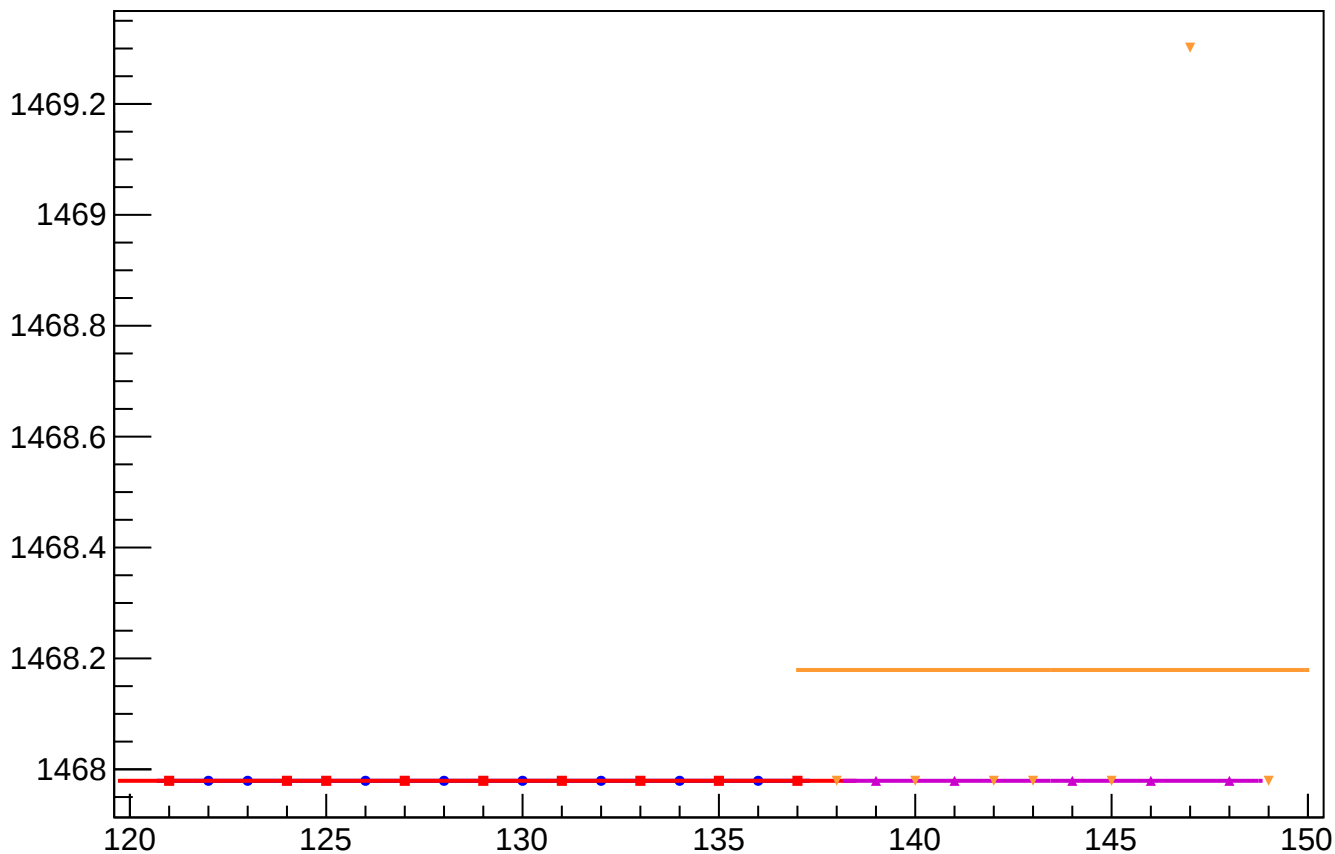
Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: -29.641+/-0.000 χ^2/NDF : 14552.9/4

-29.641+/-0.000 χ^2/NDF : 868390.7/14

-29.641+/-0.000 χ^2/NDF : 1008820.6/13

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.179+/-0.000 χ^2/NDF : 115751024858577901145132124602368.0/6

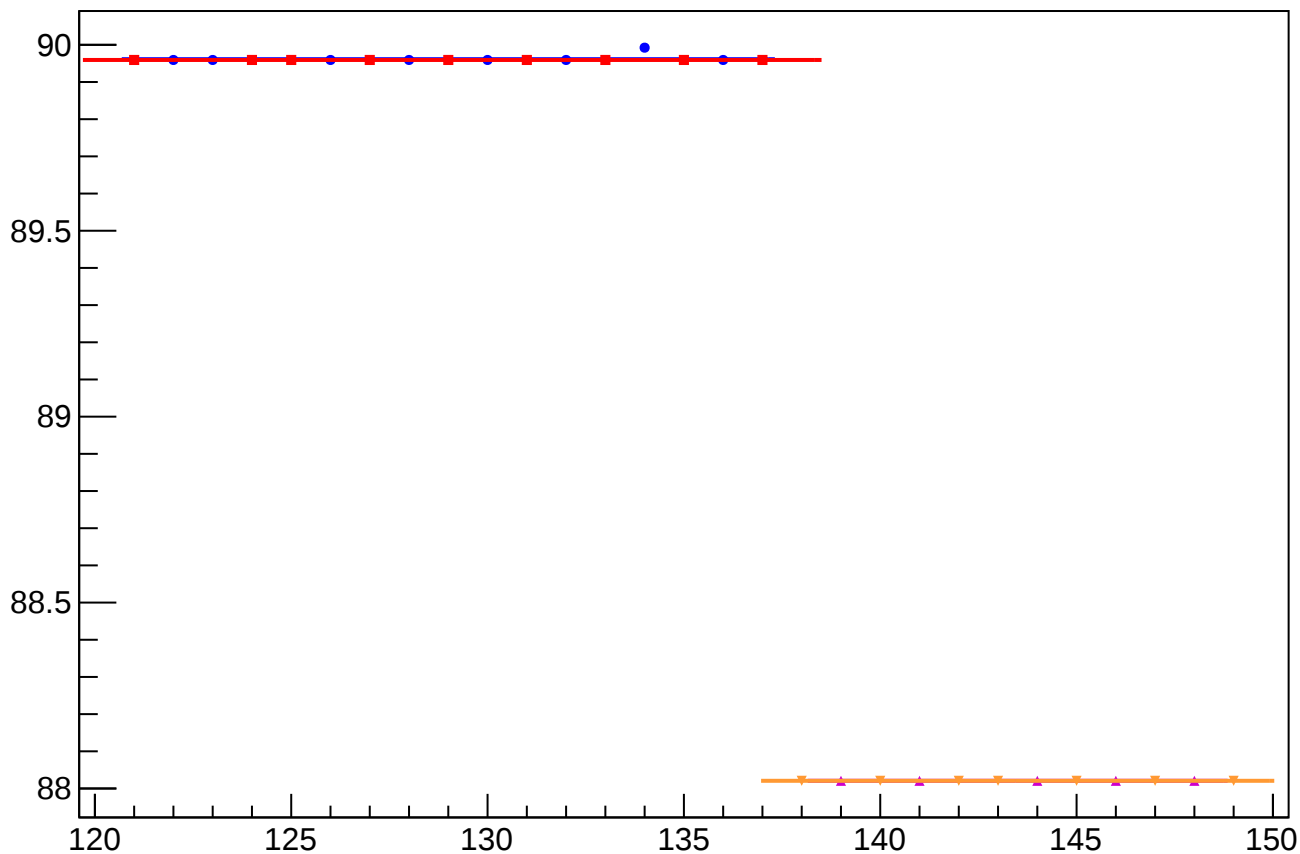
Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: 1467.979+/-0.000 χ^2/NDF : 12511106.8/4

1468.099+/-0.000 χ^2/NDF : 1239674736965163

1467.979+/-0.000 χ^2/NDF : 923081864.8/13

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 2716003.9/6

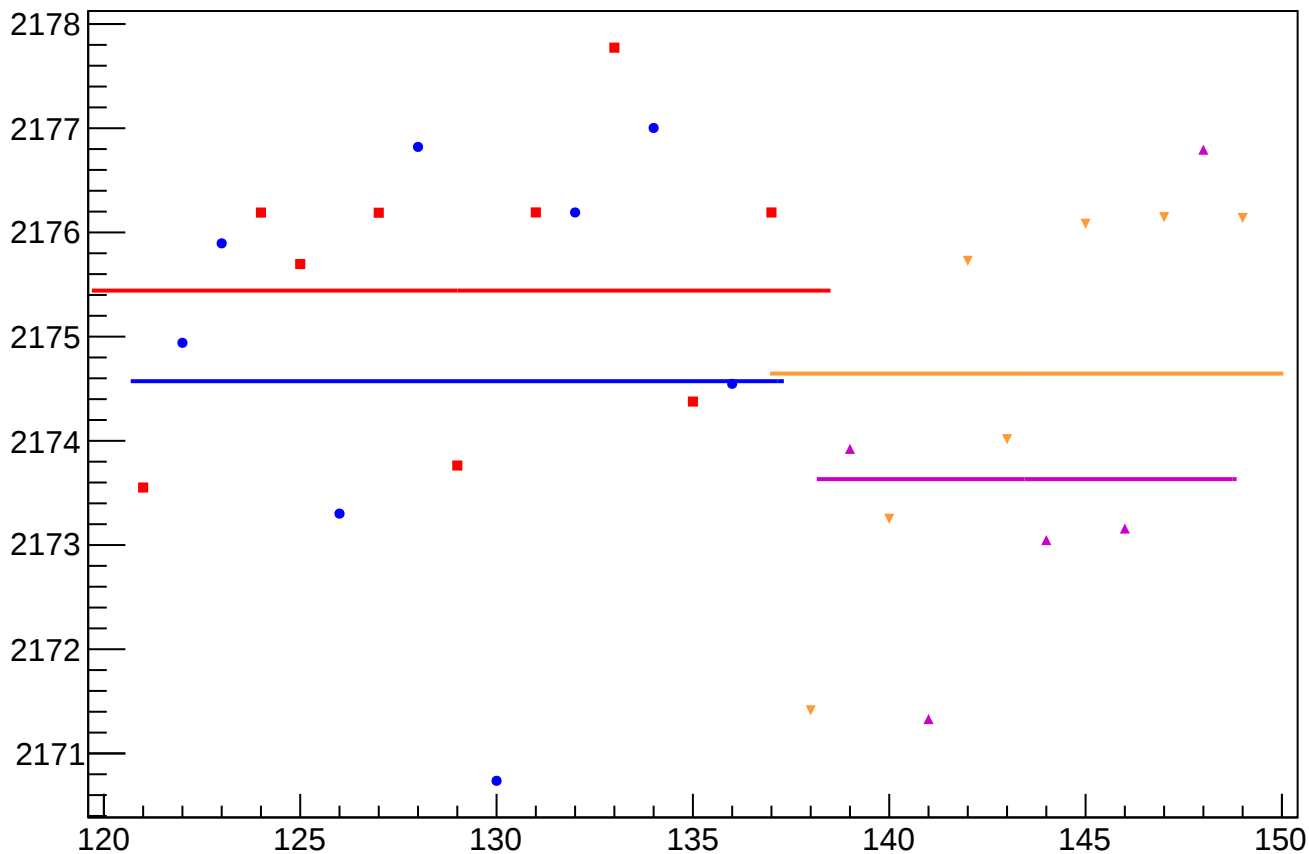
Right Out: 89.959+/-0.000 χ^2/NDF : 331397.3/8

Left In: 88.021+/-0.000 χ^2/NDF : 273842.0/4

88.794+/-0.000 χ^2/NDF : 774609776572608590

88.863+/-0.000 χ^2/NDF : 677823054687075203

HALLA_p_mean vs Slug



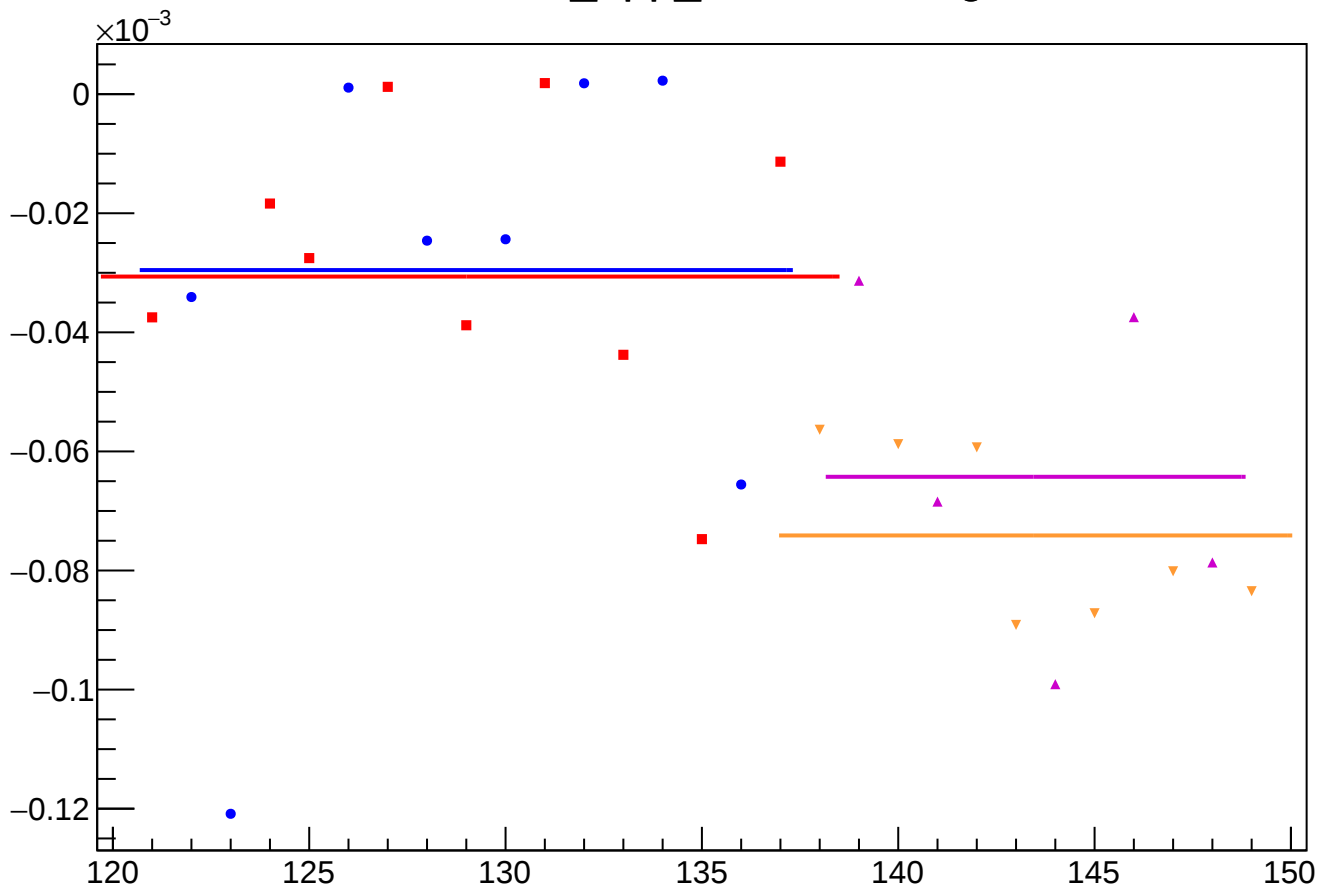
Right In: 2174.572 ± 0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.646 ± 0.000 χ^2/NDF : 1585040875574044922523680298237952.0/6

Right Out: 2175.442 ± 0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

Left In: 2173.633 ± 0.000 χ^2/NDF : 1345580127502439422142434127118336.0/4

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2 /NDF: 93069744622138931806208.0/6

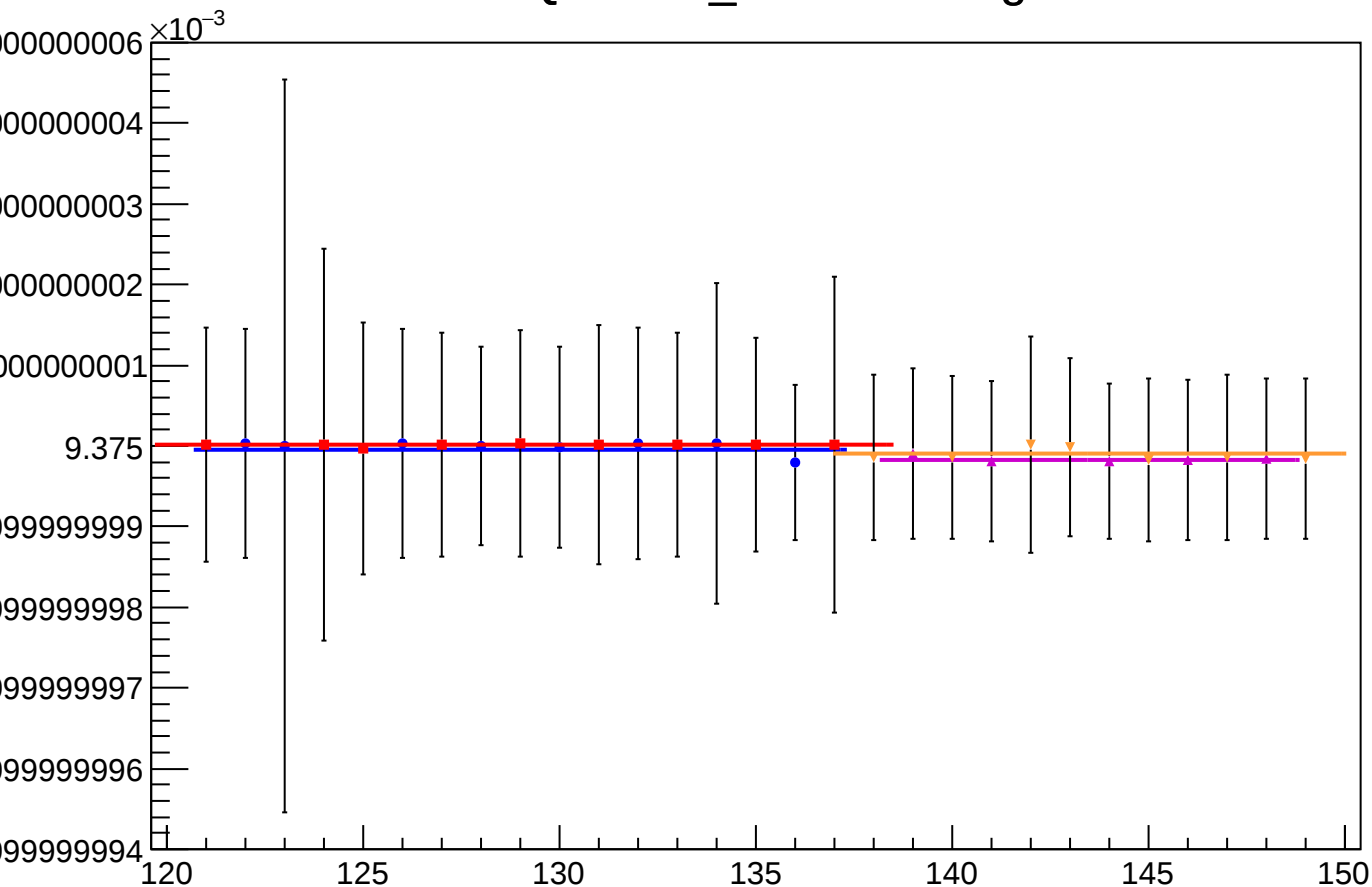
Right Out: -0.000+/-0.000 χ^2 /NDF: 196732771178766734983168.0/8

Left In: -0.000+/-0.000 χ^2 /NDF: 266728772397961784066048.0/4

-0.000+/-0.000 χ^2 /NDF: 751777584384157667

-0.000+/-0.000 χ^2 /NDF: 667427004904319964

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/6

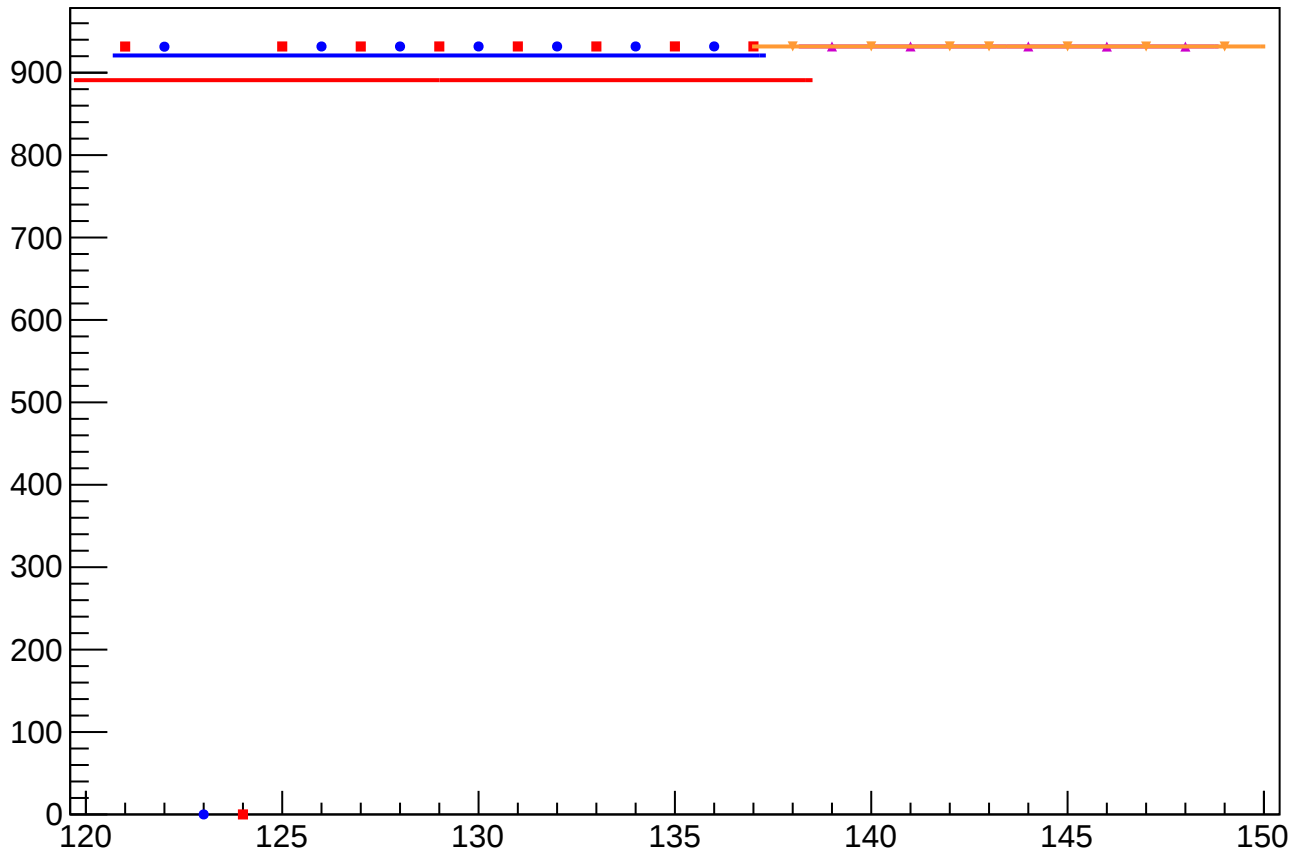
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/4

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/14

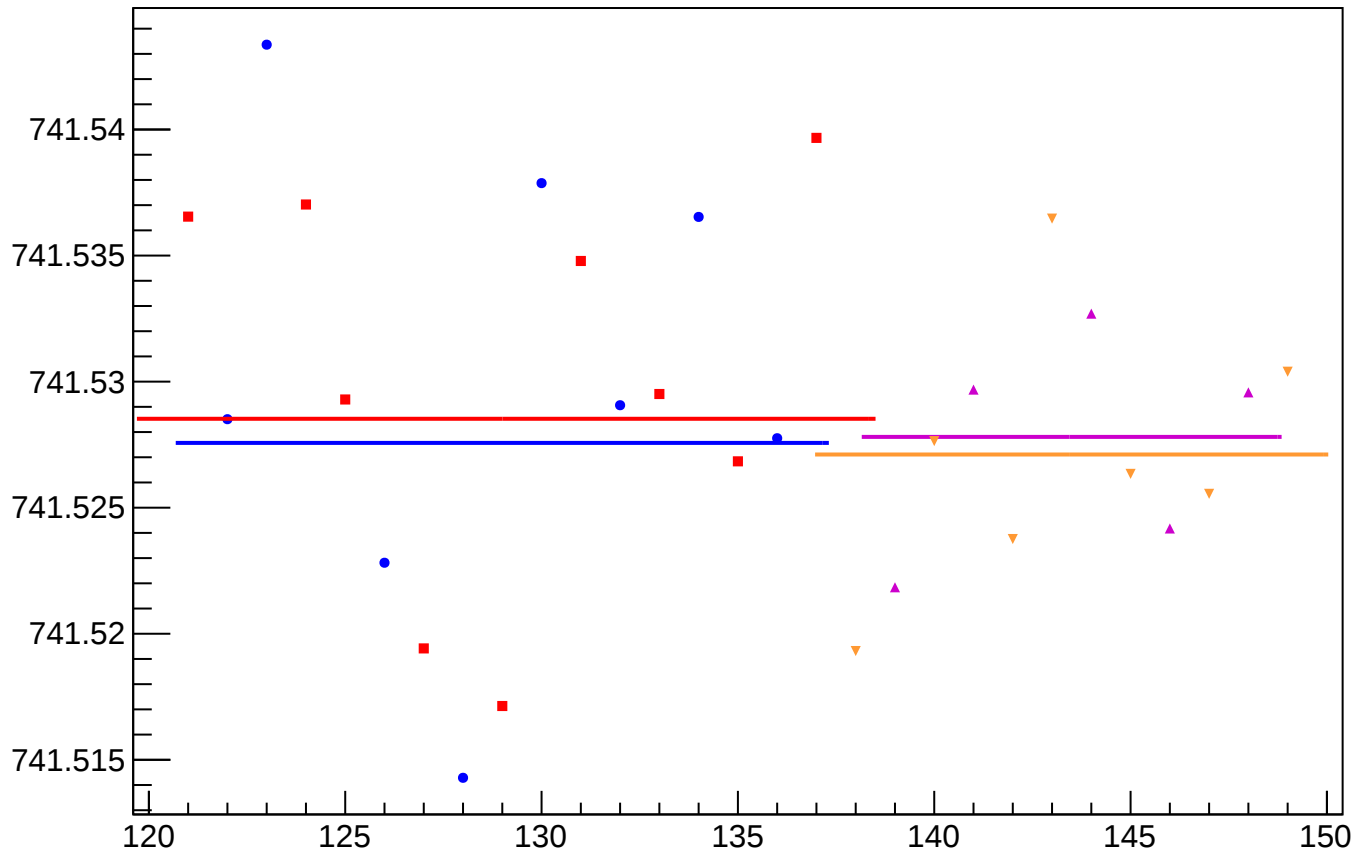
0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 $\pm$ 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
Left Out: 931.825 $\pm$ 0.000 χ^2/NDF : 1926215169791693797859398778880.0/6
Right Out: 890.923 $\pm$ 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
Left In: 931.815 $\pm$ 0.000 χ^2/NDF : 1874360247839033112101419745280.0/4

HacL_D1_HP3458A_IOUT_mean vs Slug



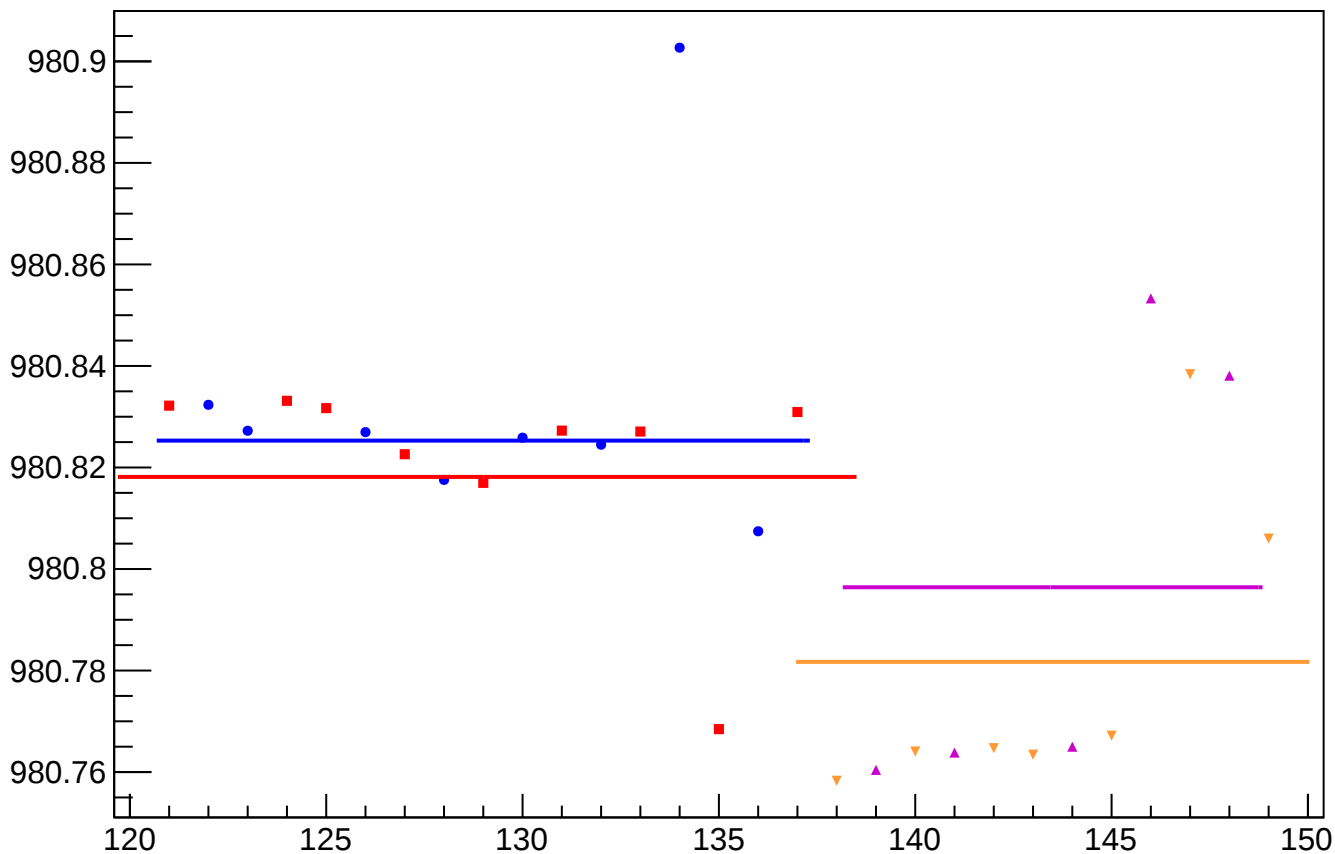
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.527+/-0.000 χ^2/NDF : 12289291124437110784182452224.0/6

Right Out: 741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: 741.528+/-0.000 χ^2/NDF : 6416268197237722145143914496.0/4

HacL_Q3_HP3458A_IOUT_mean vs Slug



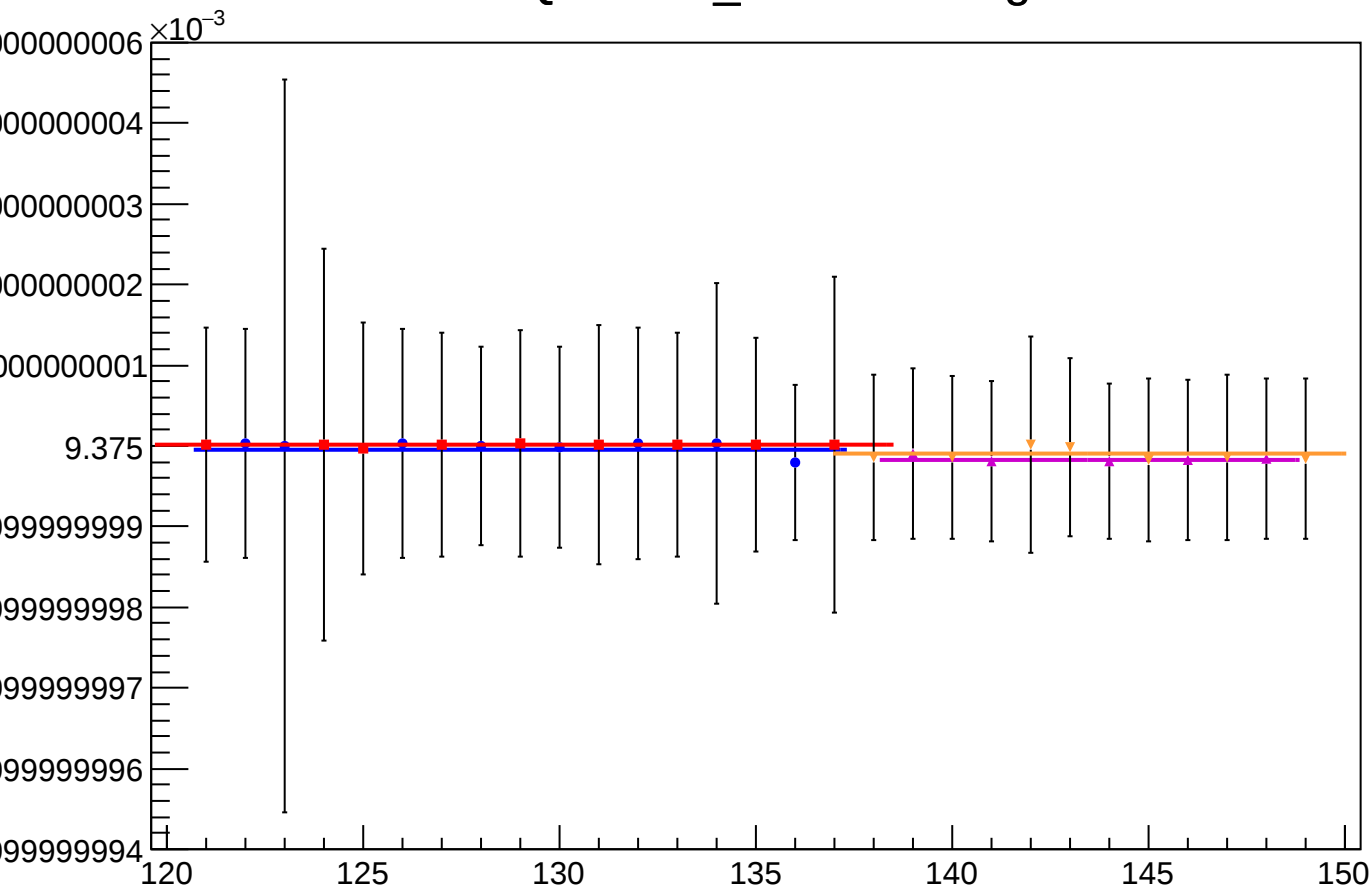
Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.782+/-0.000 χ^2/NDF : 421183015668172247943484538880.0/6

Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.796+/-0.000 χ^2/NDF : 688435529791217590656823197696.0/4

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/6

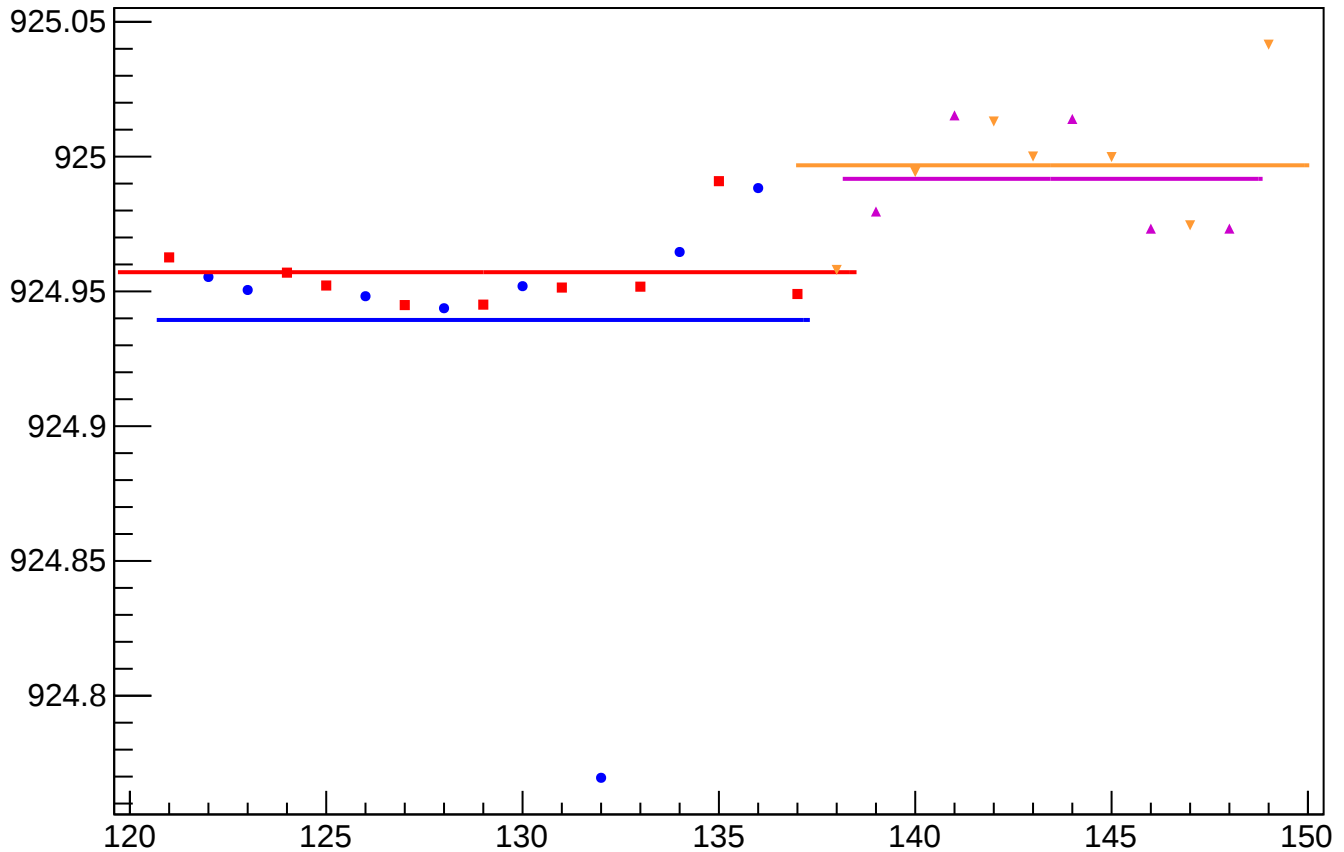
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/4

0.009+/-0.000 χ^2/NDF : 0.1/14

0.009+/-0.000 χ^2/NDF : 0.1/13

HacR_Q2_HP3458A_IOUT_mean vs Slug



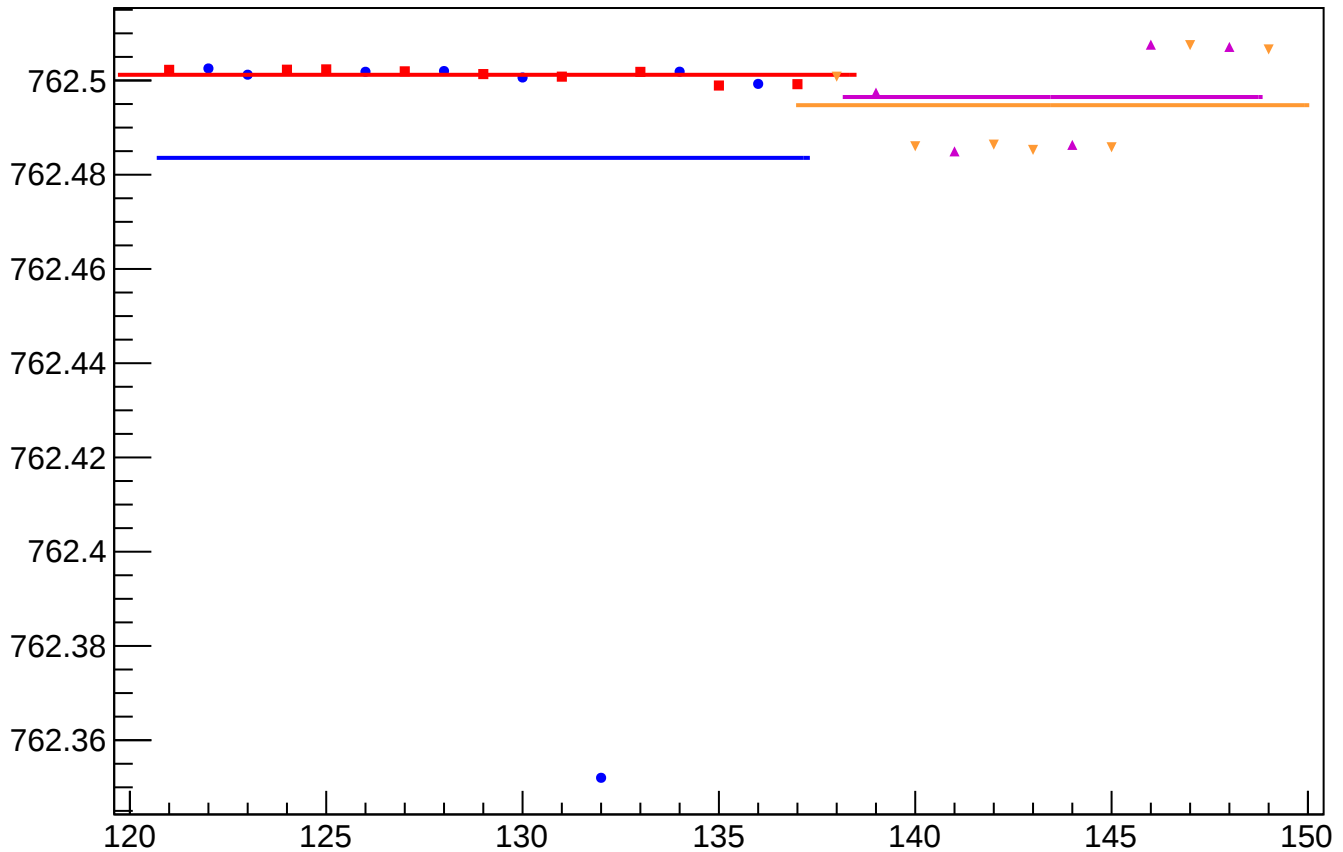
Right In: 924.939 +/- 0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.997 +/- 0.000 χ^2/NDF : 338588067384200117178771439616.0/6

Right Out: 924.957 +/- 0.000 χ^2/NDF : 71808709366506786060310151168.0/8

Left In: 924.992 +/- 0.000 χ^2/NDF : 158885081469066171006891065344.0/4

HacR_D1_HP3458A_IOUT_mean vs Slug



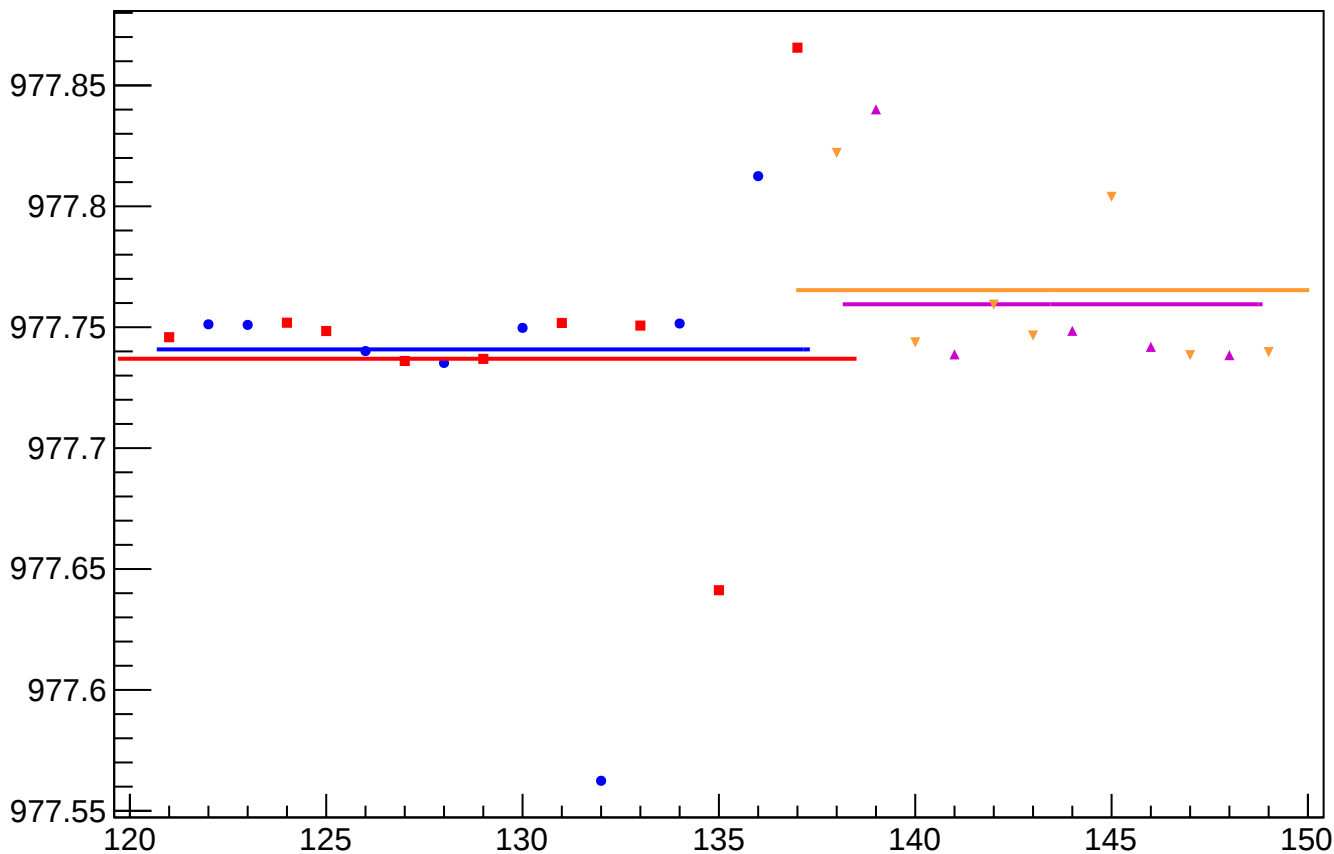
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.495+/-0.000 χ^2/NDF : 49233055719933441366162407424.0/6

Right Out: 762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.496+/-0.000 χ^2/NDF : 40283845286416777535824068608.0/4

HacR_Q3_HP3458A_IOUT_mean vs Slug



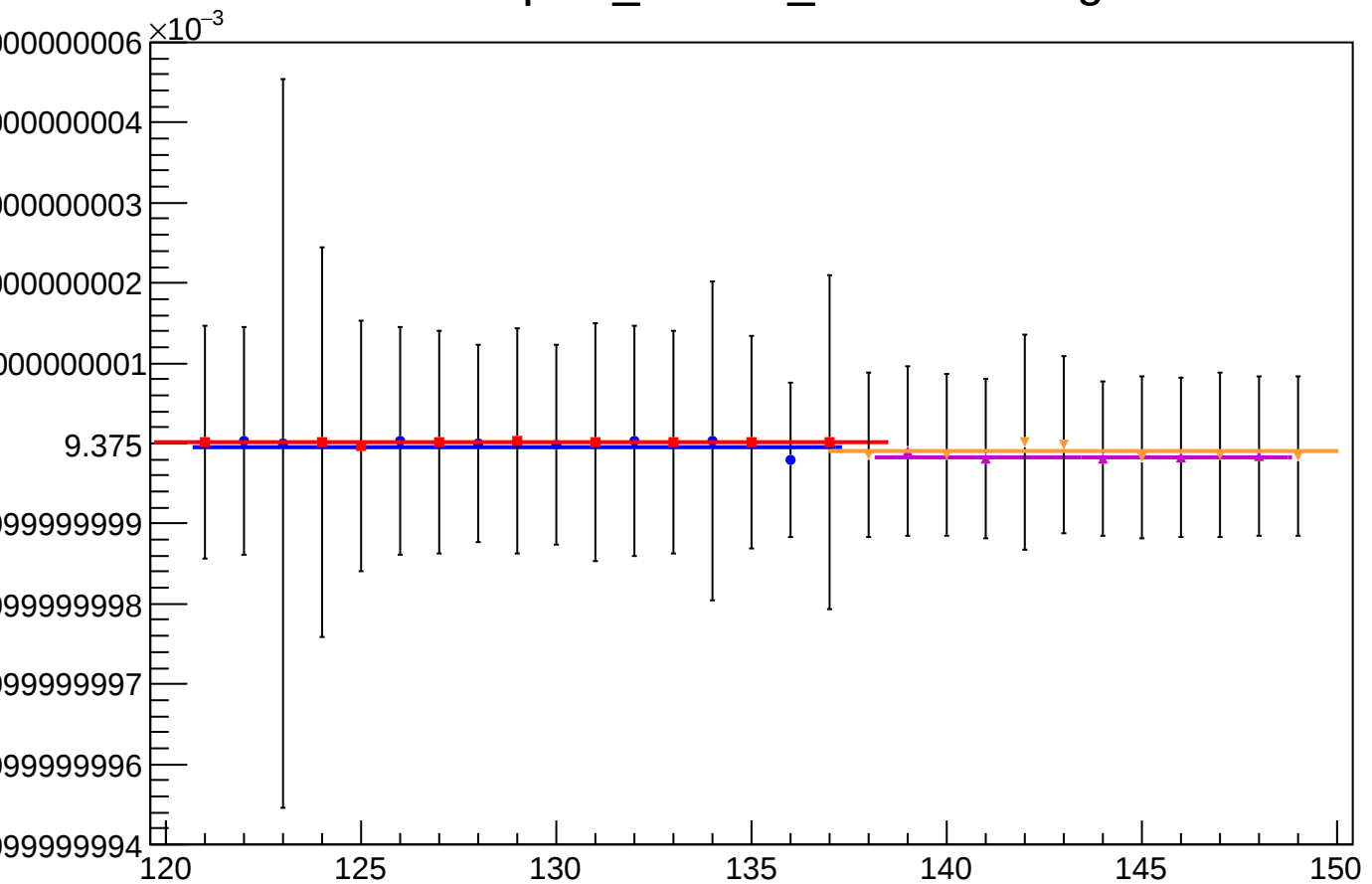
Right In: 977.741 $\pm$ 0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.765 $\pm$ 0.000 χ^2/NDF : 546915972018883027510738550784.0/6

Right Out: 977.737 $\pm$ 0.000 χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.759 $\pm$ 0.000 χ^2/NDF : 590926825090797122022860128256.0/4

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/6

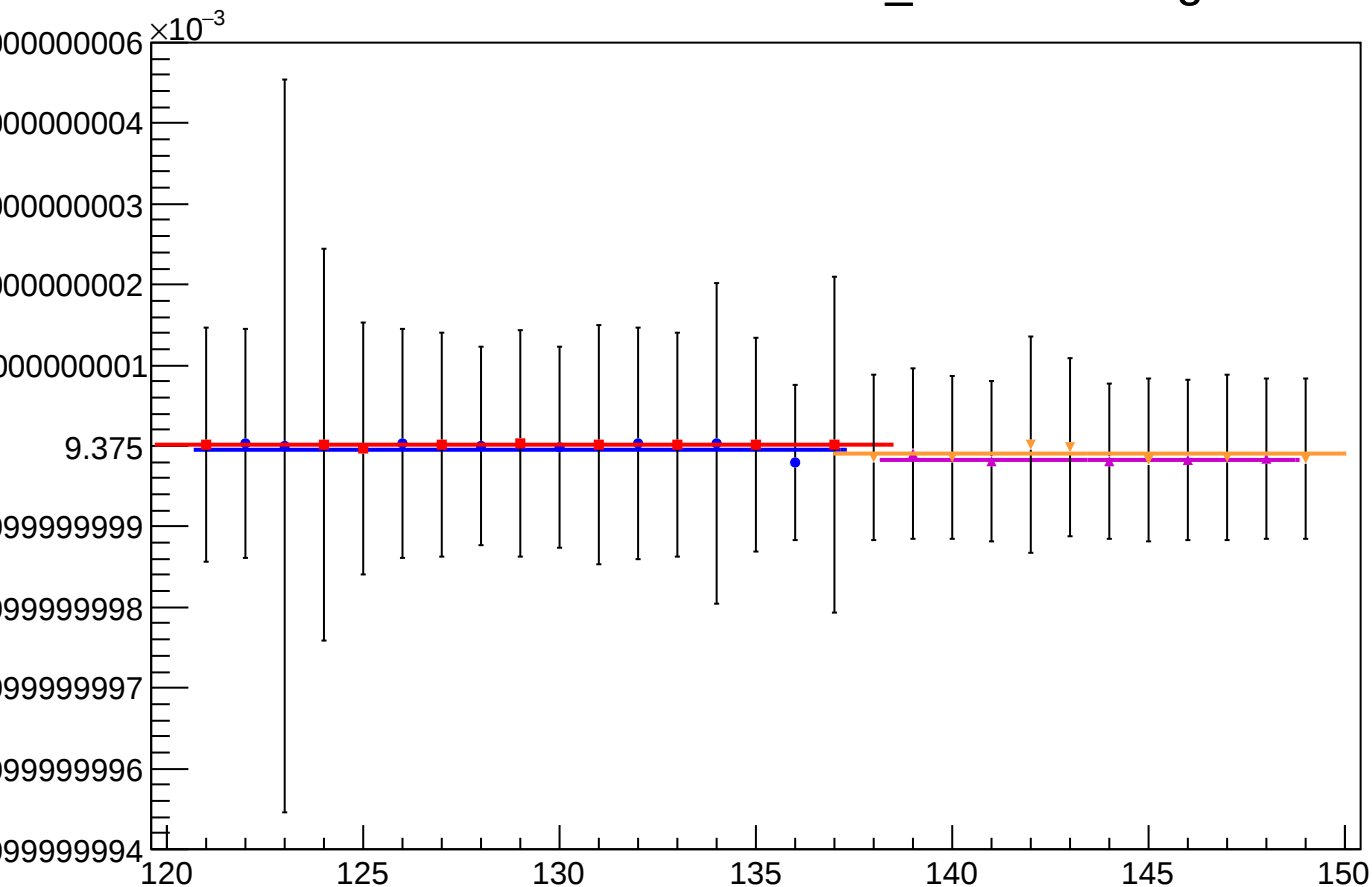
Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/4

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/14

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/13

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/6

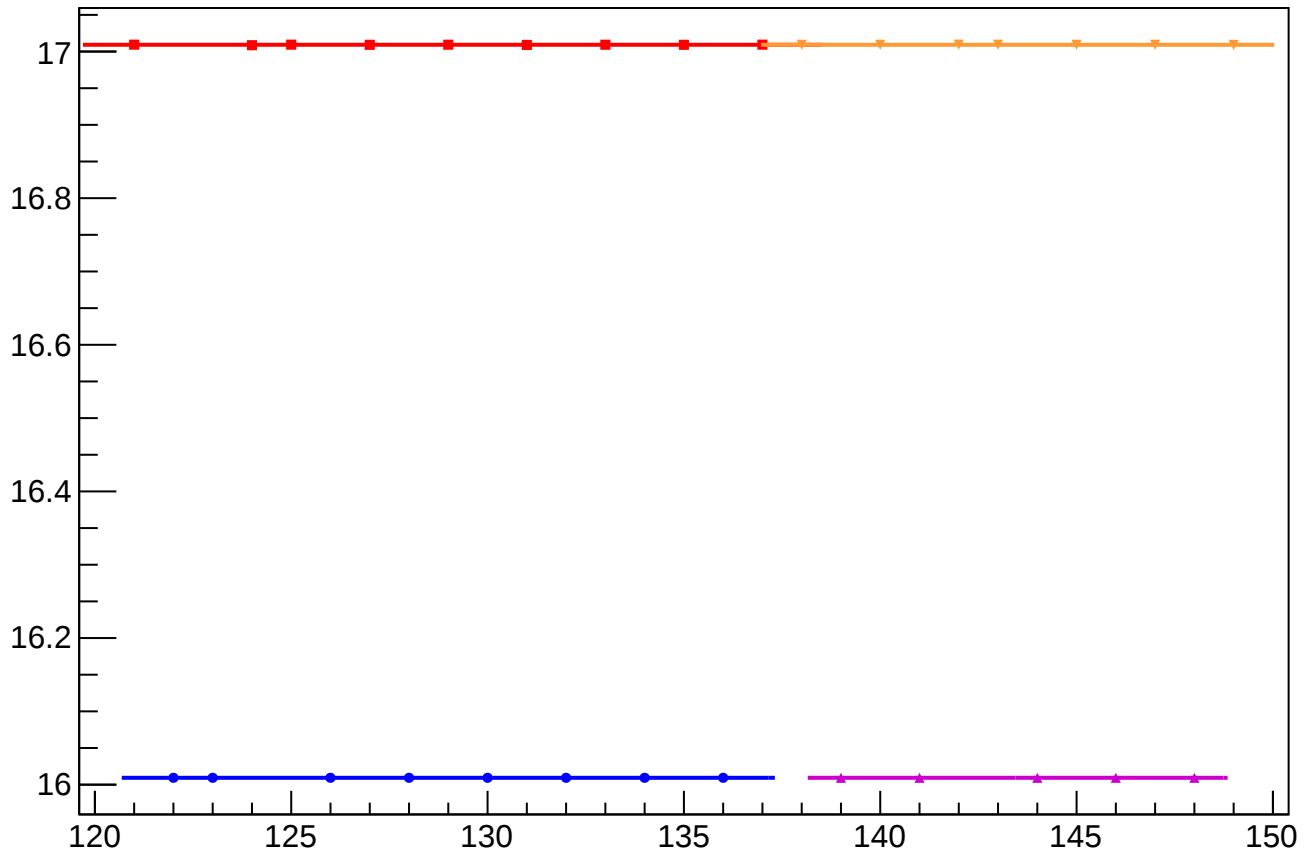
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/4

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/14

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 4403417464622641215176704.0/6

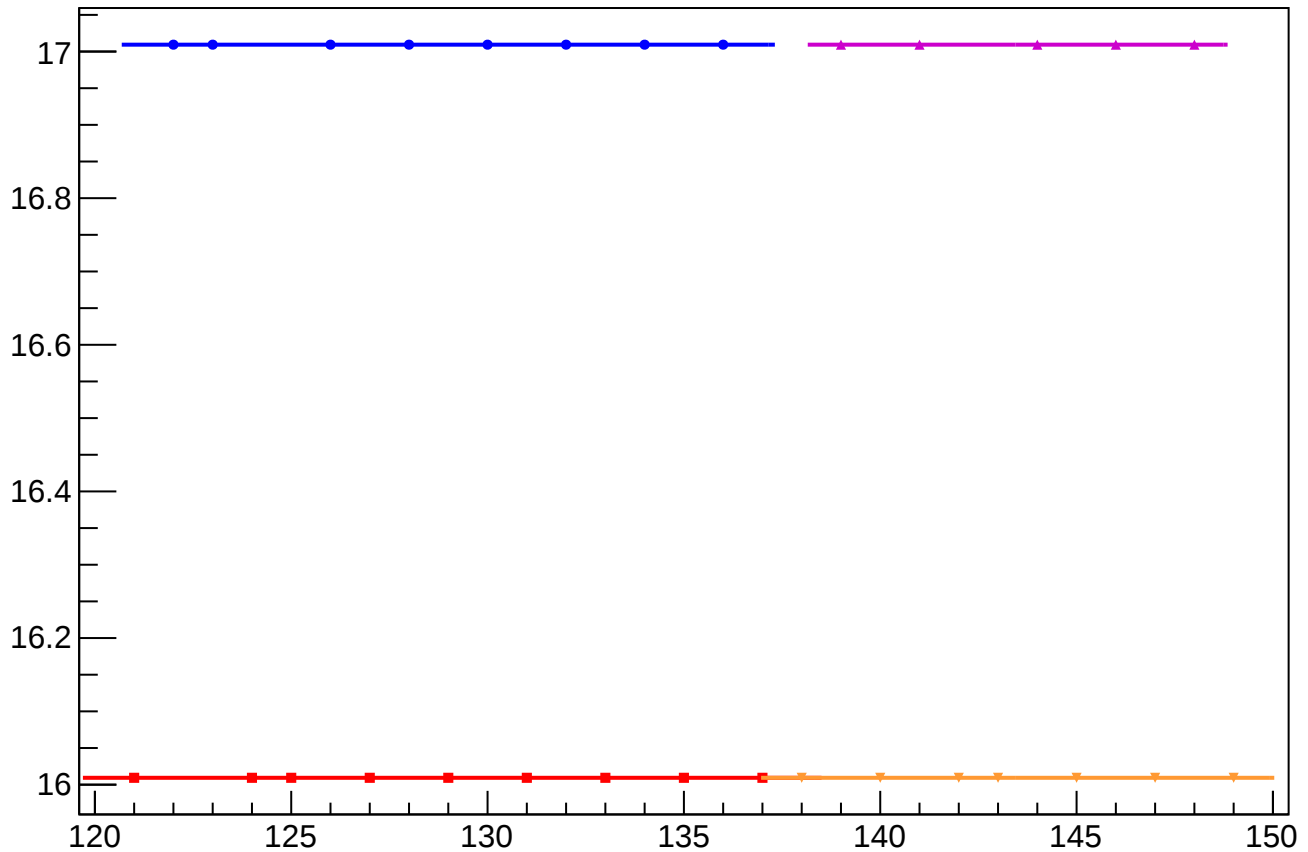
Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 15701.5/4

16.608 $\pm$ 0.000 χ^2/NDF : 189052932521667108

16.443 $\pm$ 0.000 χ^2/NDF : 171101742061877962

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 76109.3/7

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 17266.6/6

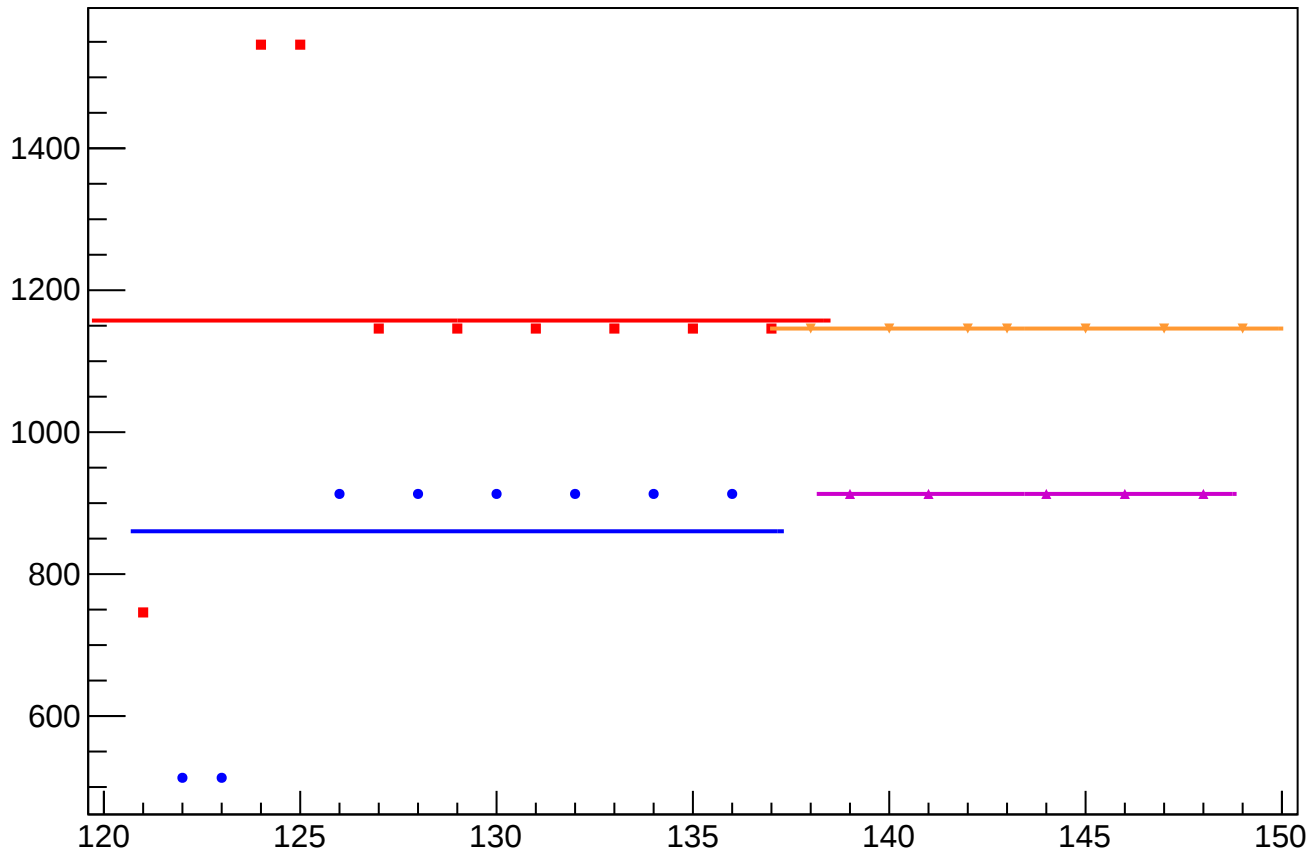
Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 17859.8/8

Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 5843.9/4

16.412 $\pm$ 0.000 χ^2 /NDF: 204395294117642497

16.575 $\pm$ 0.000 χ^2 /NDF: 180361035422326675

RTPAPOSUCNT_mean vs Slug



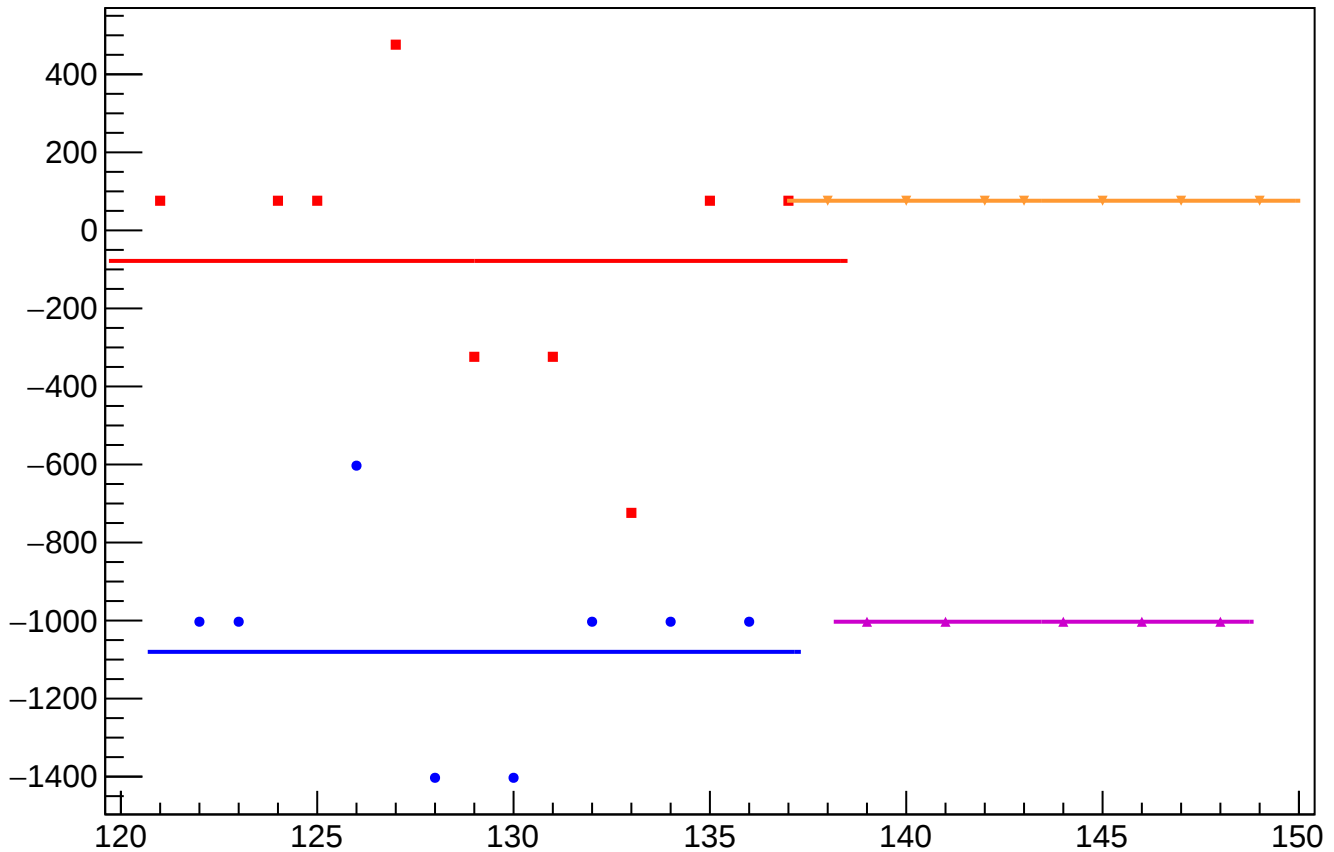
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2002119584020016723361005568.0/6

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.994+/-0.000 χ^2/NDF : 8744230536257681065573875712.0/4

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000 χ^2/NDF : 2642194520450099076585750528.0/6

Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: -1002.989+/-0.000 χ^2/NDF : 668348491637397899523915776.0/4