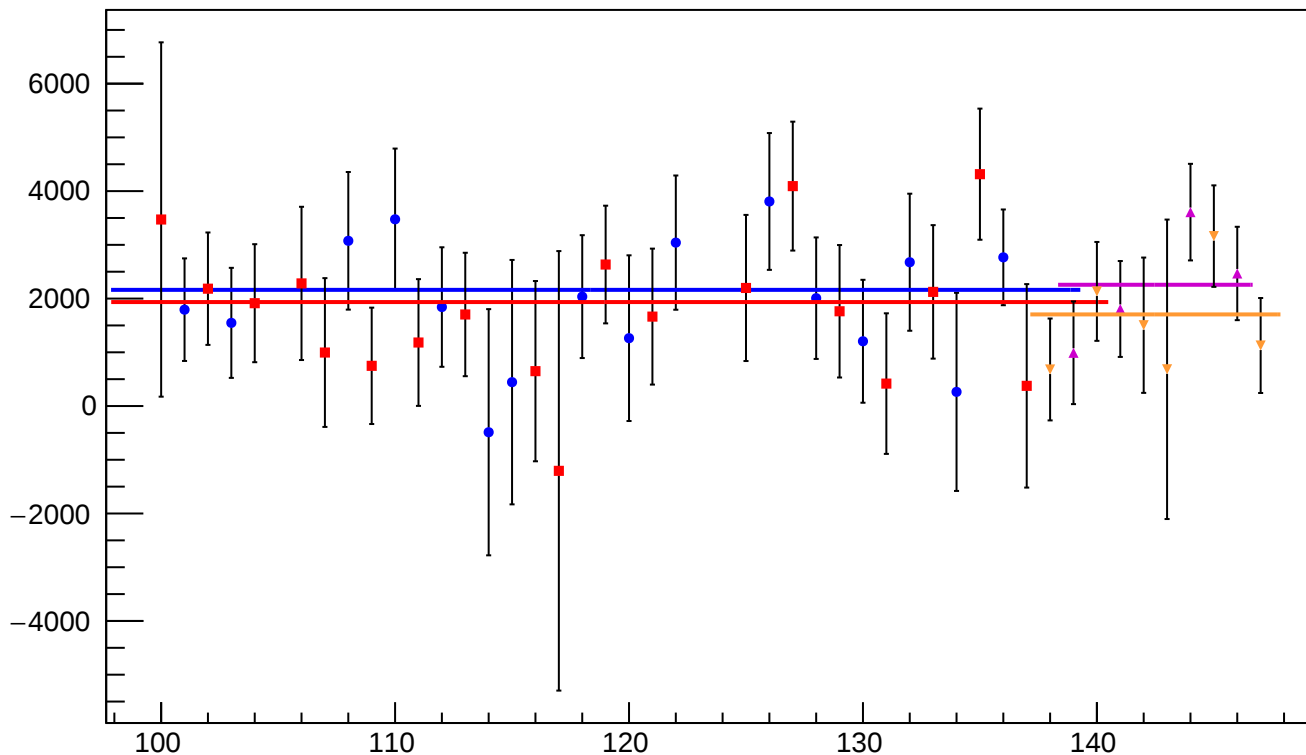


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1705.269+/-428.205

χ^2/NDF : 4.4/5

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 2257.069+/-451.165

χ^2/NDF : 4.3/3

2006.936+/-249.669

χ^2/NDF : 14.0/21

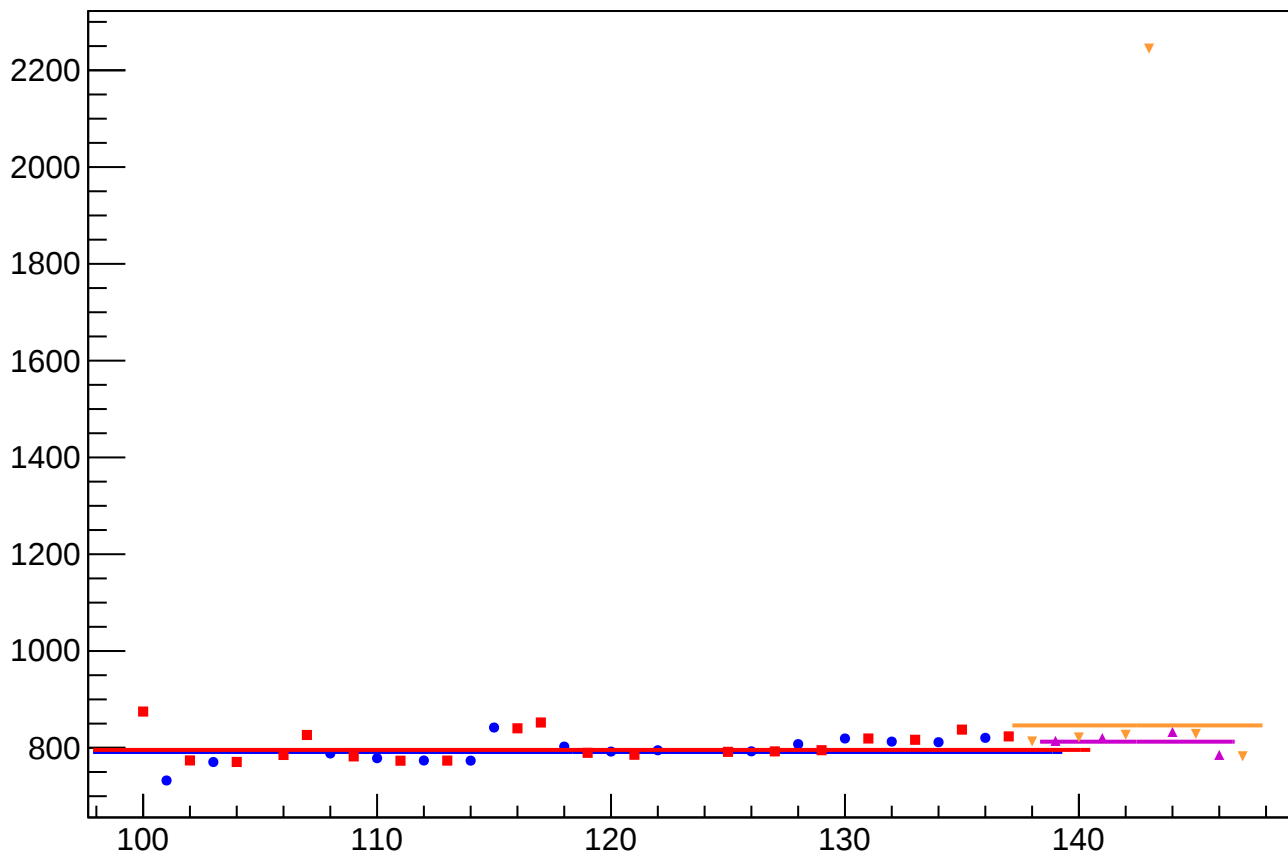
2020.351+/-176.547

χ^2/NDF : 31.9/44

2033.767+/-249.682

χ^2/NDF : 17.9/22

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 846.266 ± 0.303 χ^2/NDF : 519211.3/5

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

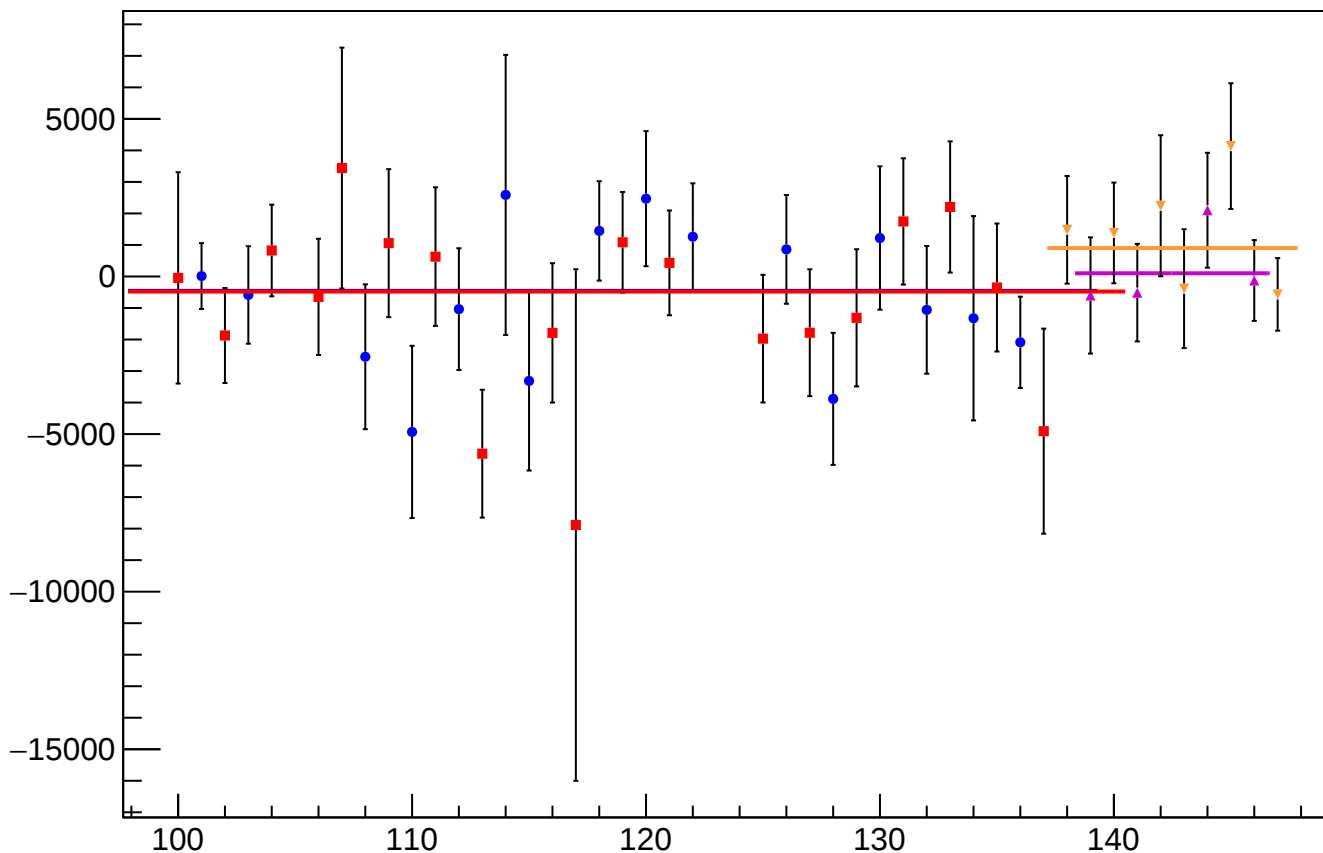
Left In: 812.631 ± 0.319 χ^2/NDF : 3131.6/3

810.046 ± 0.177 χ^2/NDF : 555899.8/21

805.449 ± 0.125 χ^2/NDF : 574298.3/44

800.851 ± 0.177 χ^2/NDF : 17042.3/22

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 900.938+/-671.010 χ^2/NDF : 5.3/5

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

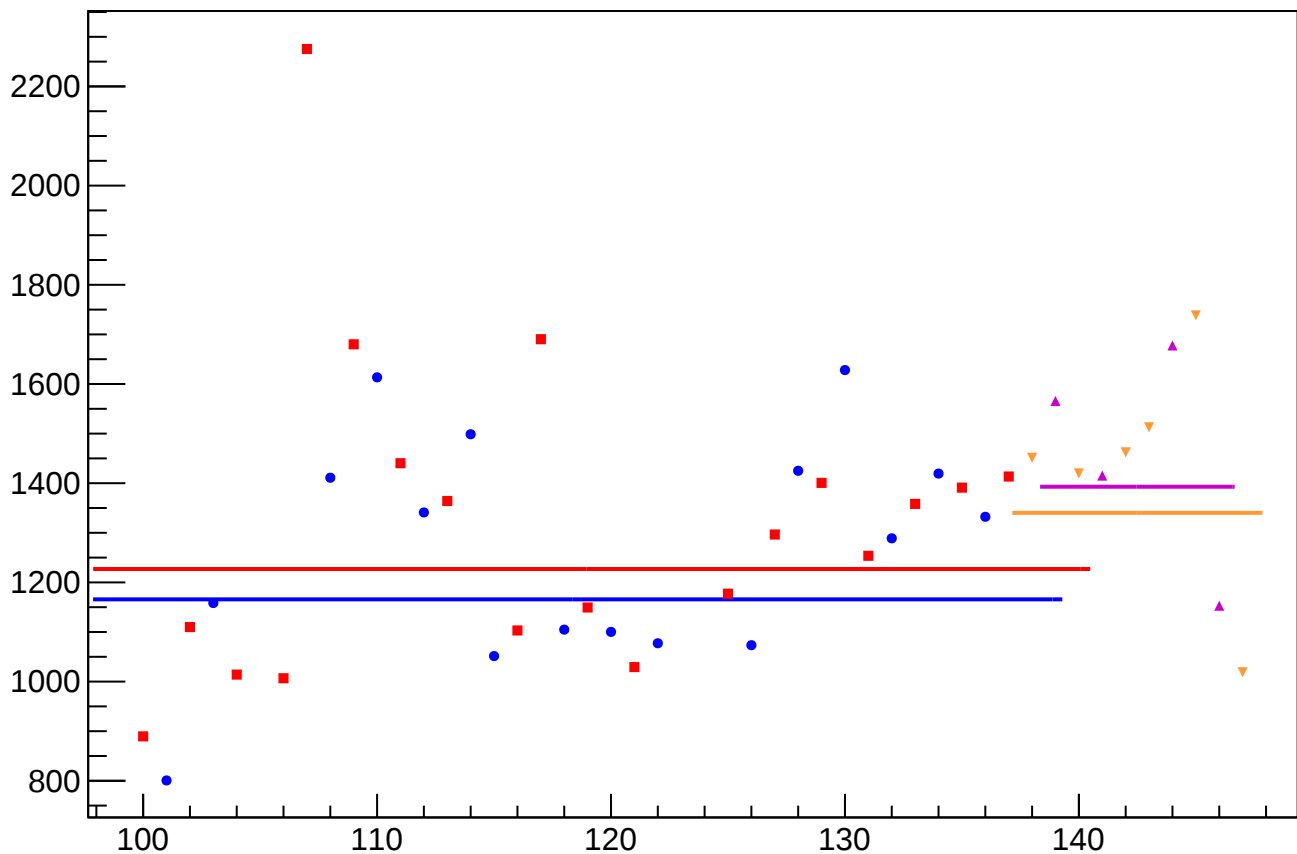
Left In: 101.544+/-785.273 χ^2/NDF : 1.5/3

-16.534+/-381.771 χ^2/NDF : 22.9/21

-161.402+/-277.648 χ^2/NDF : 43.3/44

-324.050+/-404.521 χ^2/NDF : 20.1/22

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1340.267 $\pm$ 0.474 χ^2/NDF : 271616.6/5

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

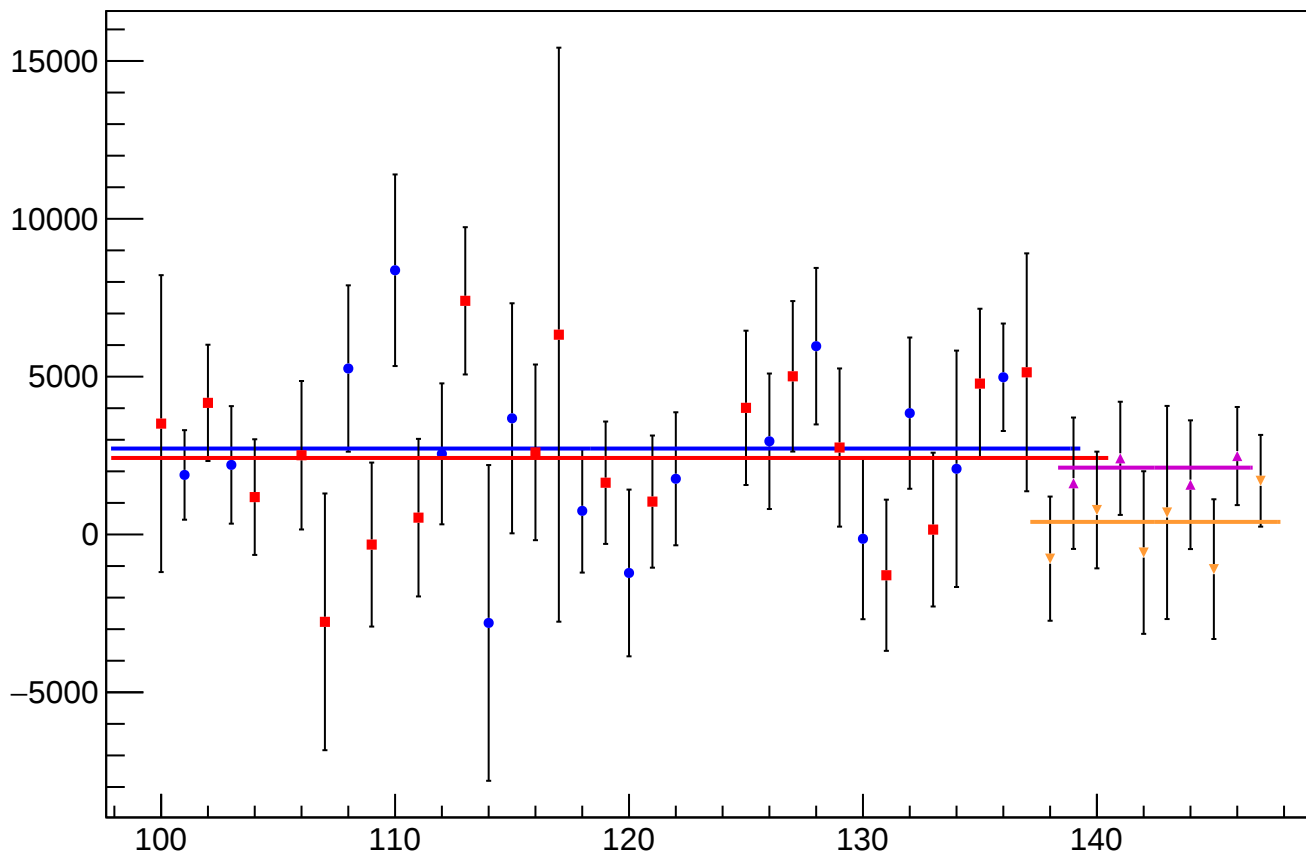
Left In: 1392.898 $\pm$ 0.555 χ^2/NDF : 136971.9/3

1222.284 $\pm$ 0.270 χ^2/NDF : 889844.8/21

1245.252 $\pm$ 0.196 χ^2/NDF : 1554703.6/44

1271.038 $\pm$ 0.286 χ^2/NDF : 649492.7/22

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2722.309 $\pm$ 567.154 χ^2 /NDF: 14.6/15

Left Out: 398.689 $\pm$ 825.557 χ^2 /NDF: 1.8/5

Right Out: 2423.739 $\pm$ 567.866 χ^2 /NDF: 16.5/18

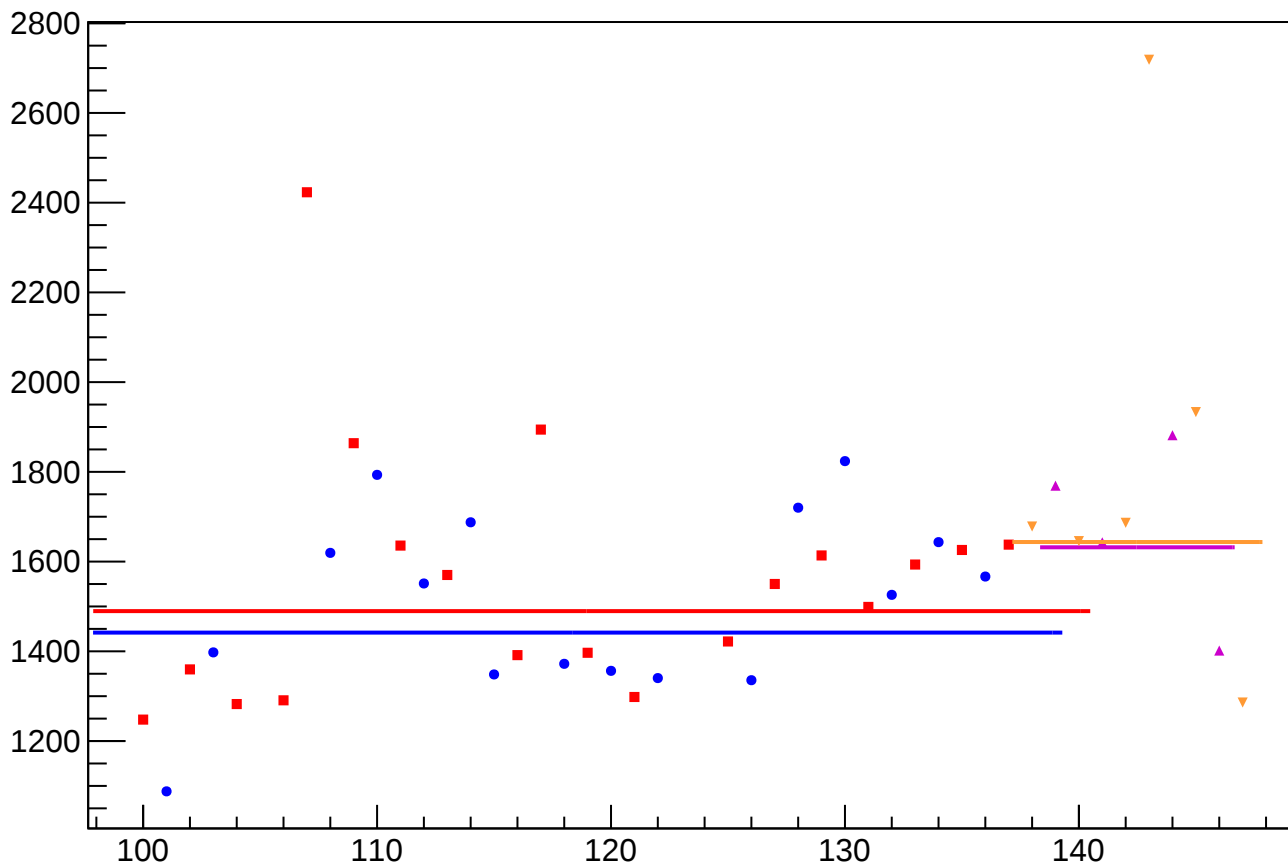
Left In: 2117.055 $\pm$ 914.211 χ^2 /NDF: 0.2/3

1977.275 $\pm$ 467.468 χ^2 /NDF: 21.7/21

2152.147 $\pm$ 335.698 χ^2 /NDF: 38.8/44

2338.354 $\pm$ 482.381 χ^2 /NDF: 16.8/22

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1643.627 +/- 0.584 χ^2/NDF : 359407.6/5

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

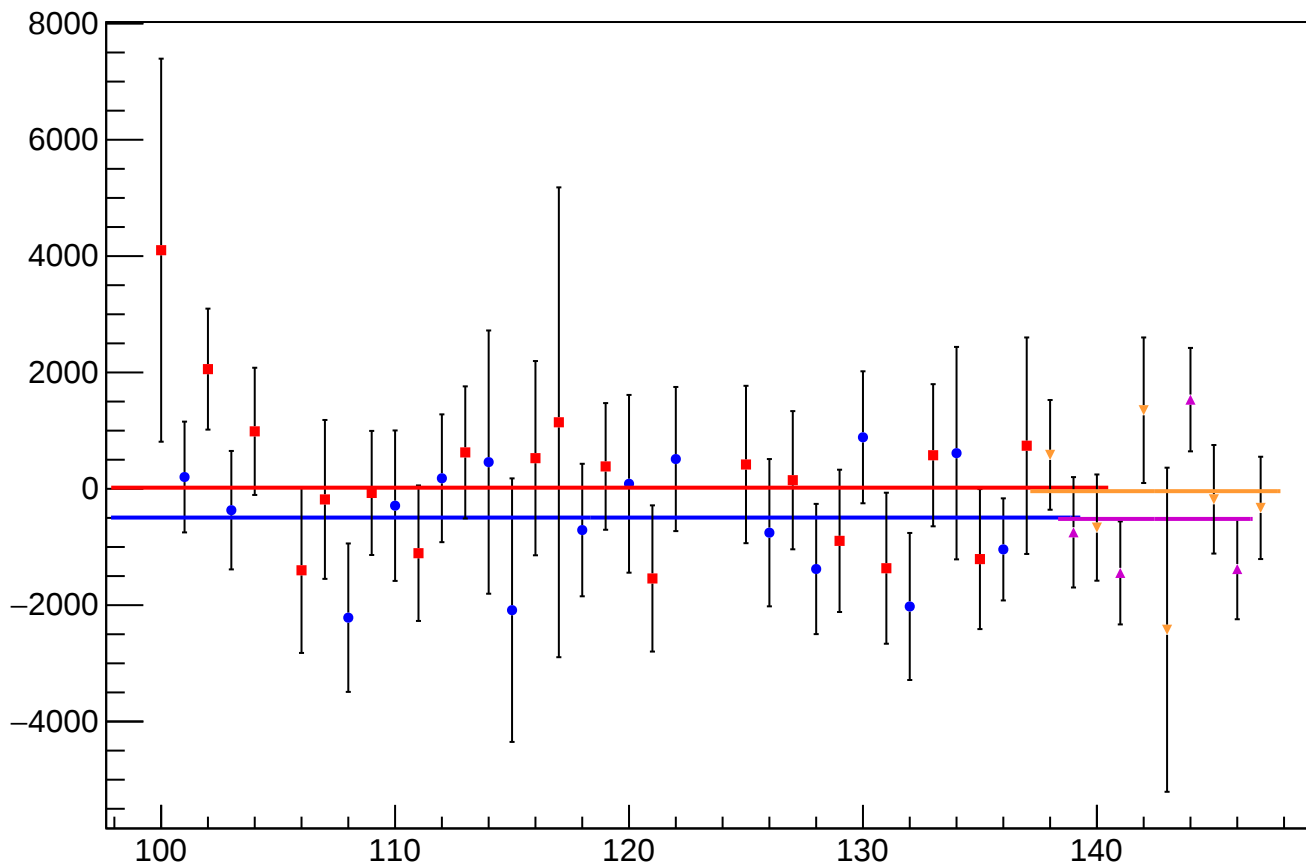
Left In: 1631.838 +/- 0.646 χ^2/NDF : 82680.3/3

1506.459 +/- 0.331 χ^2/NDF : 716582.3/21

1517.476 +/- 0.237 χ^2/NDF : 1096602.5/44

1529.208 +/- 0.341 χ^2/NDF : 377726.2/22

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -40.460+/-425.112 χ^2/NDF : 3.0/5

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

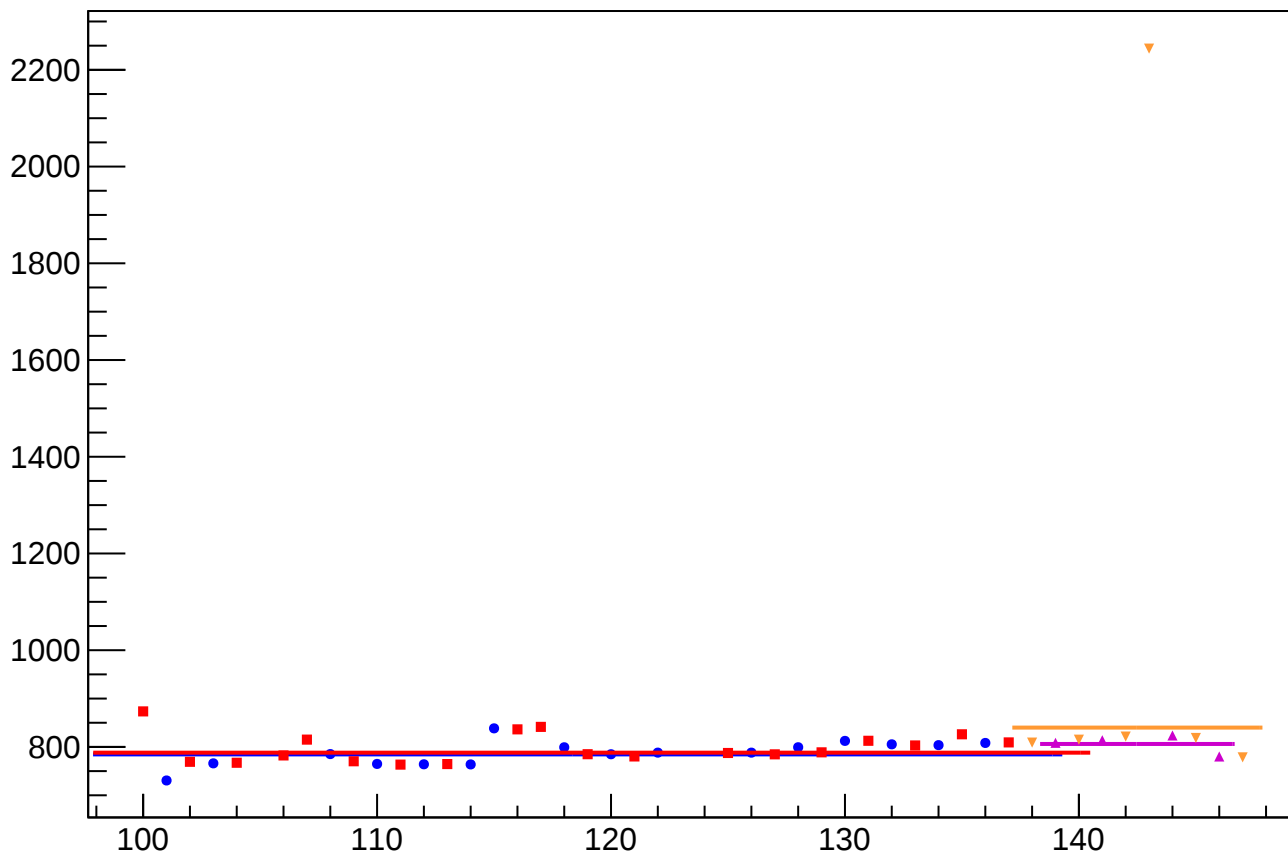
Left In: -517.522+/-447.519 χ^2/NDF : 7.5/3

-340.262+/-247.625 χ^2/NDF : 12.4/21

-242.334+/-175.025 χ^2/NDF : 34.6/44

-144.566+/-247.422 χ^2/NDF : 21.9/22

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 839.981 ± 0.301 χ^2/NDF : 522951.9/5

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

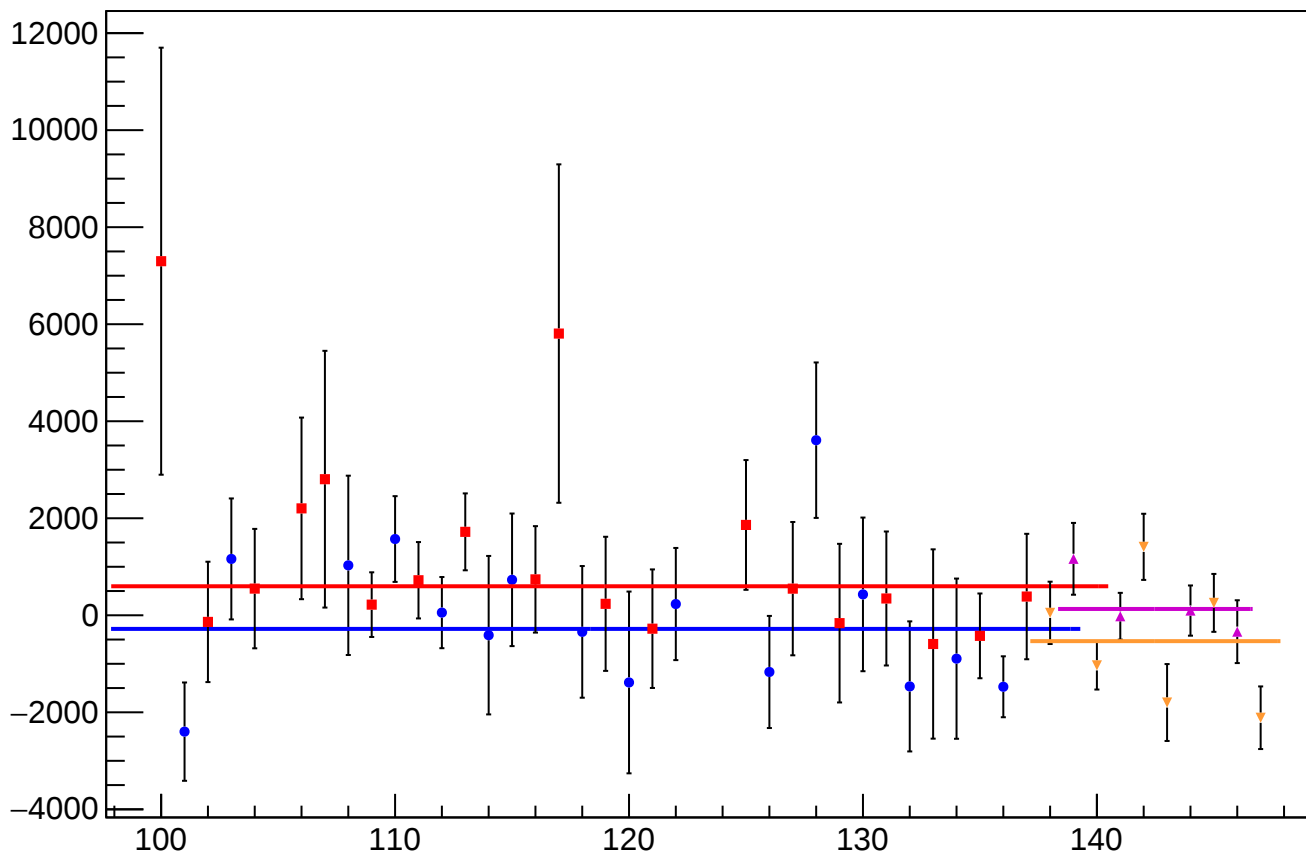
Left In: 806.124 ± 0.316 χ^2/NDF : 2743.9/3

803.363 ± 0.175 χ^2/NDF : 559089.4/21

798.494 ± 0.124 χ^2/NDF : 576882.3/44

793.633 ± 0.175 χ^2/NDF : 16247.7/22

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -280.632 $\pm$ 282.501 χ^2 /NDF: 23.1/15

Left Out: -533.083 $\pm$ 254.821 χ^2 /NDF:20.2/5

Right Out: 598.108 $\pm$ 272.052 χ^2 /NDF: 12.2/18

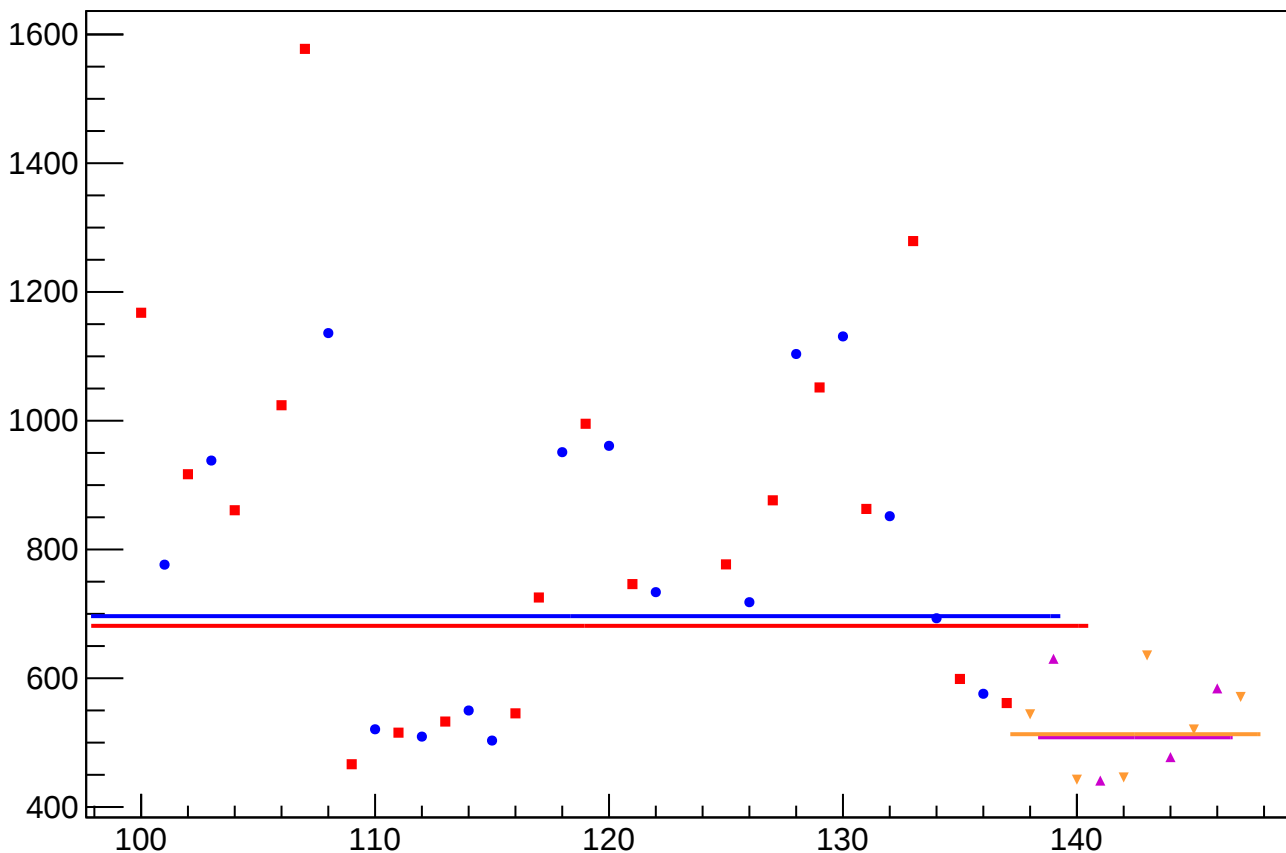
Left In: 130.383 $\pm$ 285.792 χ^2 /NDF:2.6/3

-419.828 $\pm$ 189.217 χ^2 /NDF: 43.8/21

-38.158 $\pm$ 136.481 χ^2 /NDF: 68.5/44

375.759 $\pm$ 197.048 χ^2 /NDF: 16.2/22

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.462 $\pm$ 0.200 χ^2/NDF : 959490.0/15

Left Out: 513.088 $\pm$ 0.180 χ^2/NDF : 128241.8/5

Right Out: 681.396 $\pm$ 0.192 χ^2/NDF : 1352876.1/18

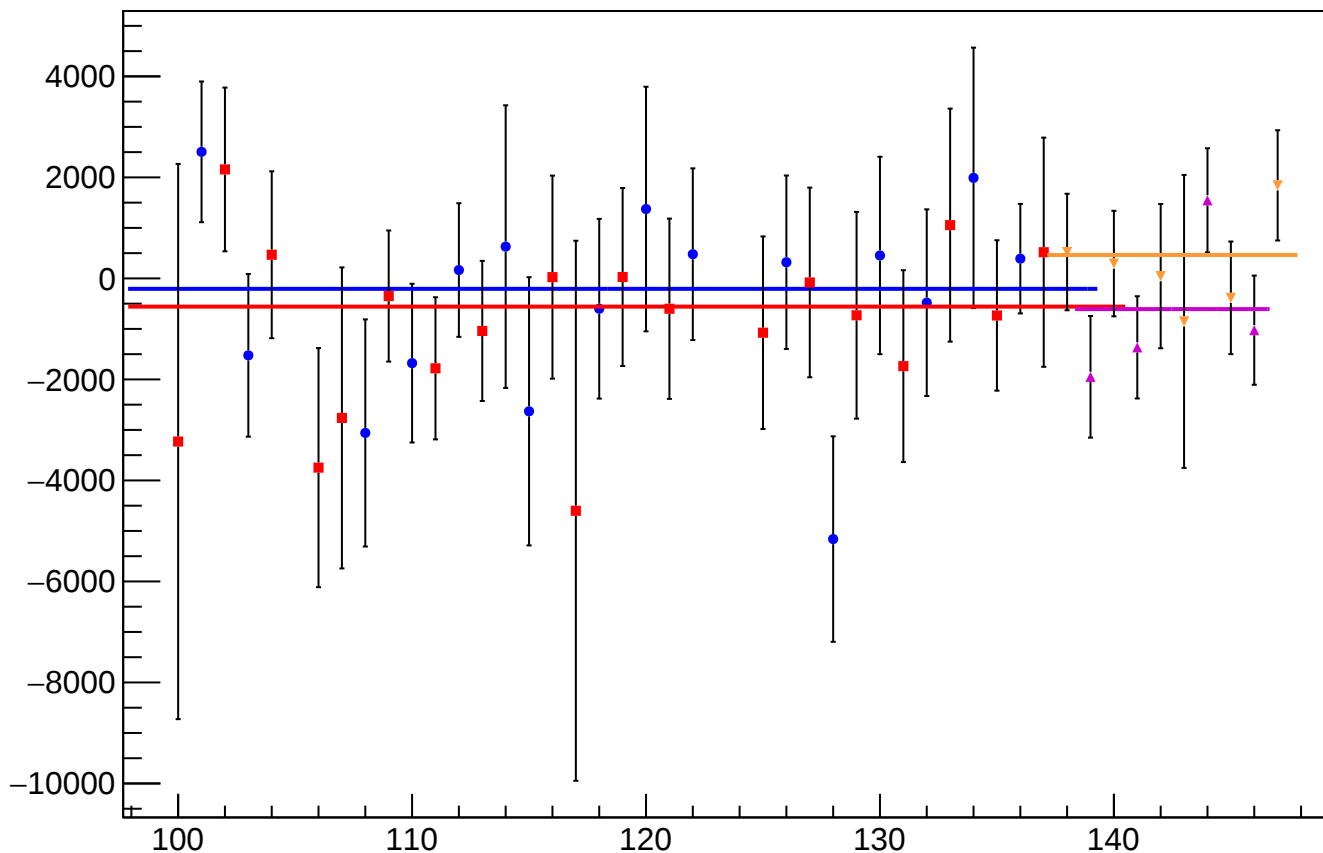
Left In: 508.276 $\pm$ 0.202 χ^2/NDF : 127779.9/3

595.354 $\pm$ 0.134 χ^2/NDF : 1552368.5/21

597.150 $\pm$ 0.097 χ^2/NDF : 3418404.3/44

599.098 $\pm$ 0.139 χ^2/NDF : 1865660.2/22

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 463.858 ± 504.996 χ^2/NDF : 2.5/5

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

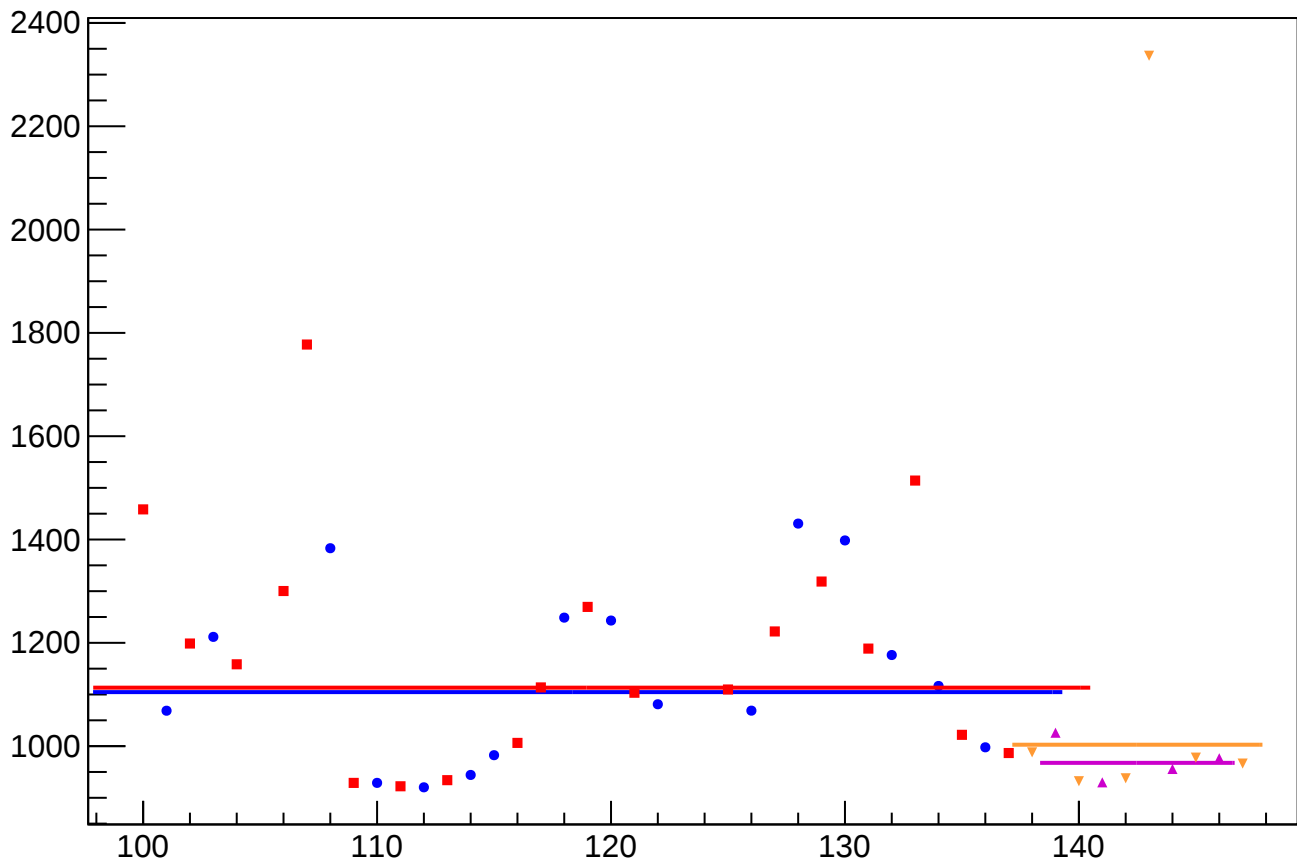
Left In: -607.465 ± 537.521 χ^2/NDF : 6.3/3

78.178 ± 329.049 χ^2/NDF : 19.3/21

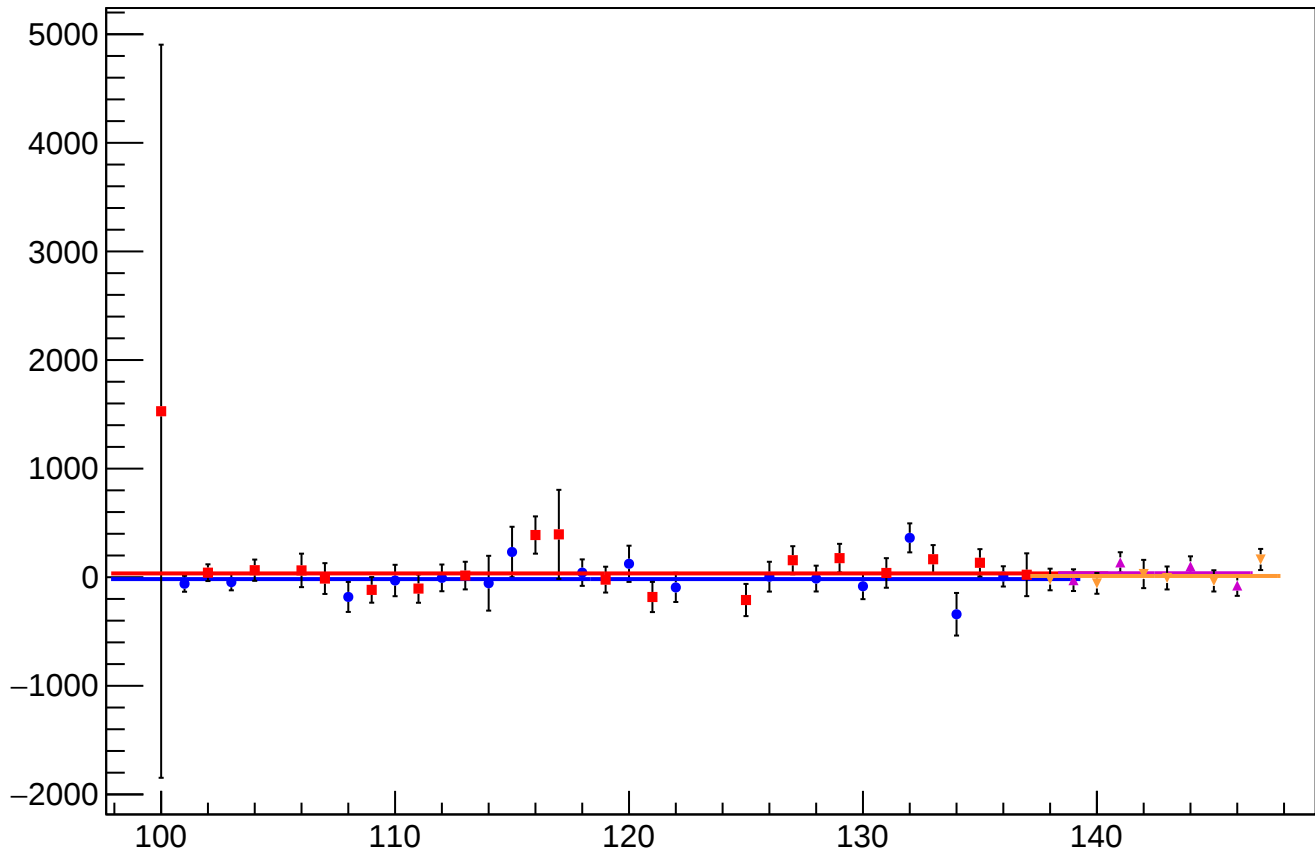
-244.989 ± 234.318 χ^2/NDF : 36.3/44

-577.462 ± 333.754 χ^2/NDF : 15.0/22

asym_us_dd_rms vs Slug, Sign Corrected



reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -17.236 ± 29.988 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 11.447 ± 41.910 $\chi^2/\text{NDF}: 3.3/5$

Right Out: 34.875 ± 30.363 $\chi^2/\text{NDF}: 17.3/18$

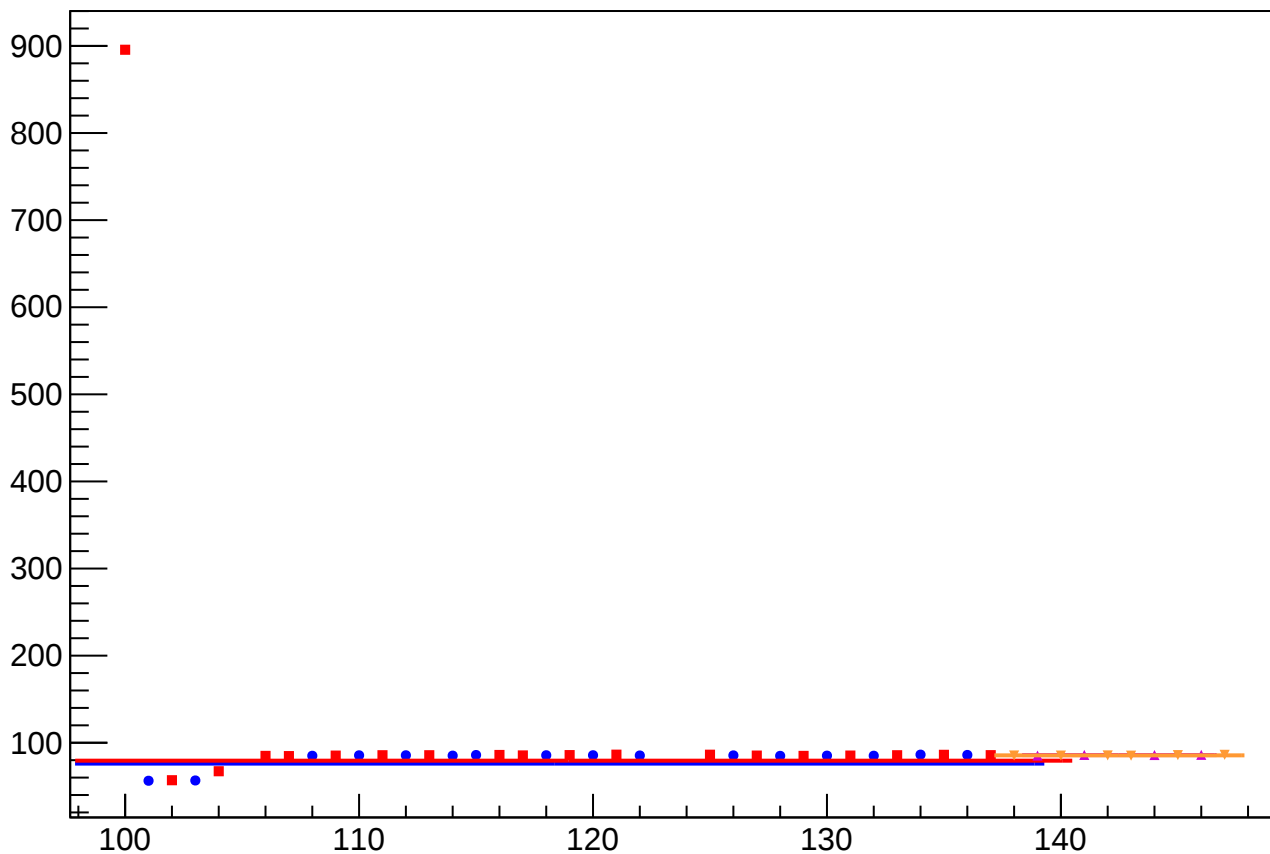
Left In: 36.432 ± 47.660 $\chi^2/\text{NDF}: 3.4/3$

-7.524 ± 24.388 $\chi^2/\text{NDF}: 19.2/21$

12.856 ± 17.660 $\chi^2/\text{NDF}: 41.4/44$

35.324 ± 25.608 $\chi^2/\text{NDF}: 20.7/22$

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.538+/-0.030 χ^2/NDF : 138.7/5

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

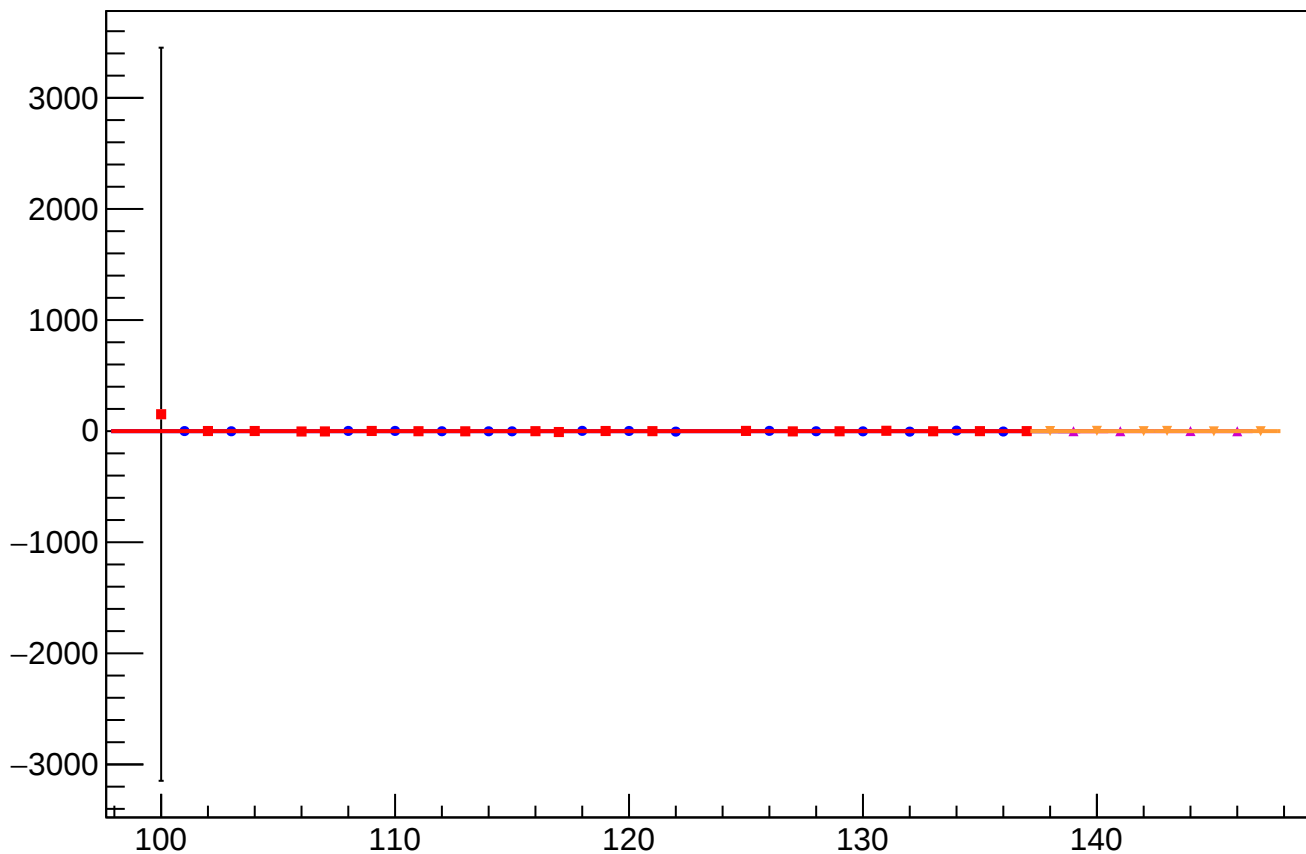
Left In: 85.866+/-0.034 χ^2/NDF : 96.2/3

79.282+/-0.017 χ^2/NDF : 476688.7/21

80.234+/-0.012 χ^2/NDF : 888142.5/44

81.283+/-0.018 χ^2/NDF : 405051.2/22

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.192 ± 0.712 χ^2/NDF : 5.4/5

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

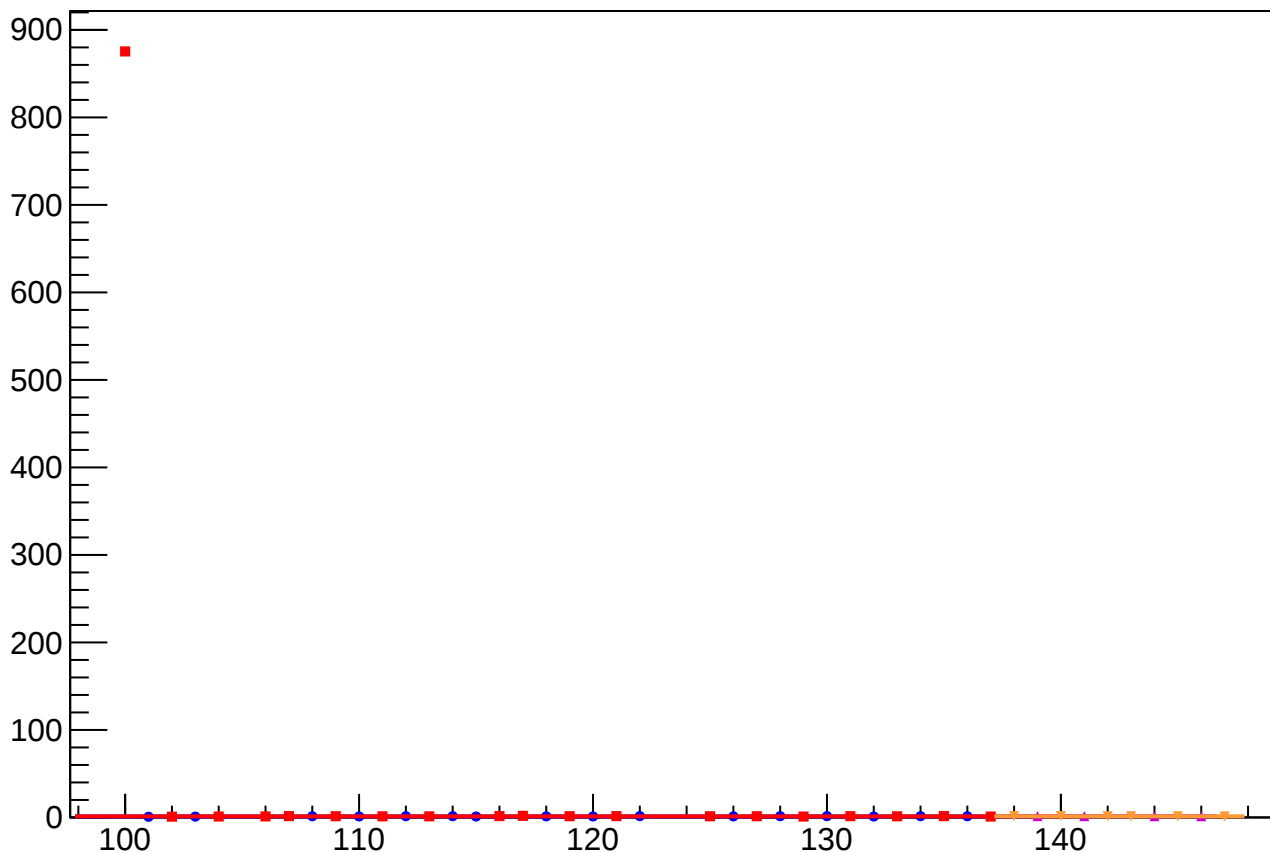
Left In: 0.031 ± 0.872 χ^2/NDF : 0.6/3

-0.124 ± 0.410 χ^2/NDF : 26.9/21

-0.046 ± 0.302 χ^2/NDF : 37.3/44

0.046 ± 0.446 χ^2/NDF : 10.4/22

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.311 $\pm$ 0.001 χ^2 /NDF: 106169.8/5

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

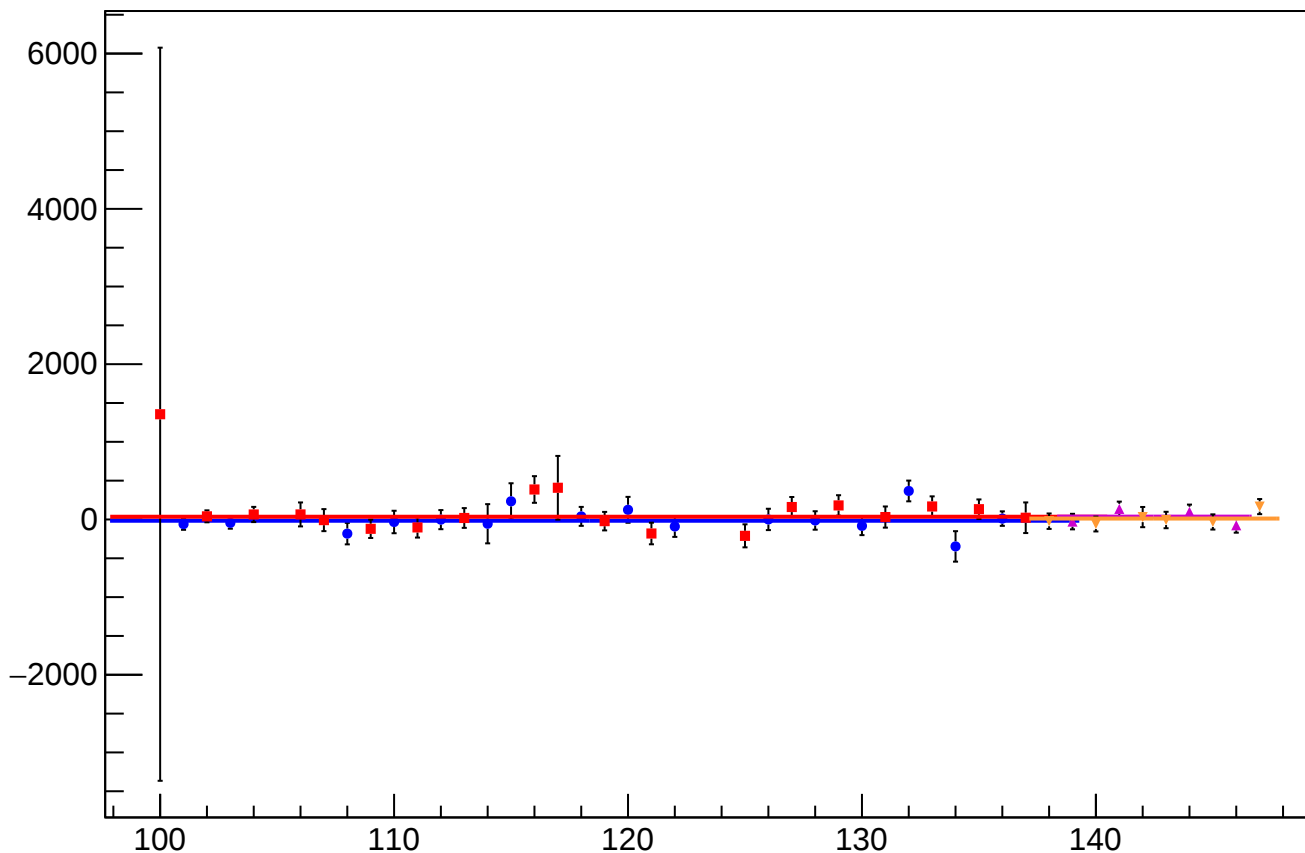
Left In: 1.472 $\pm$ 0.001 χ^2 /NDF: 2550.9/3

1.205 $\pm$ 0.000 χ^2 /NDF: 686875.7/21

1.252 $\pm$ 0.000 χ^2 /NDF: 1368760.1/44

1.307 $\pm$ 0.000 χ^2 /NDF: 624688.3/22

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 11.816 ± 41.921 χ^2/NDF : 3.4/5

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

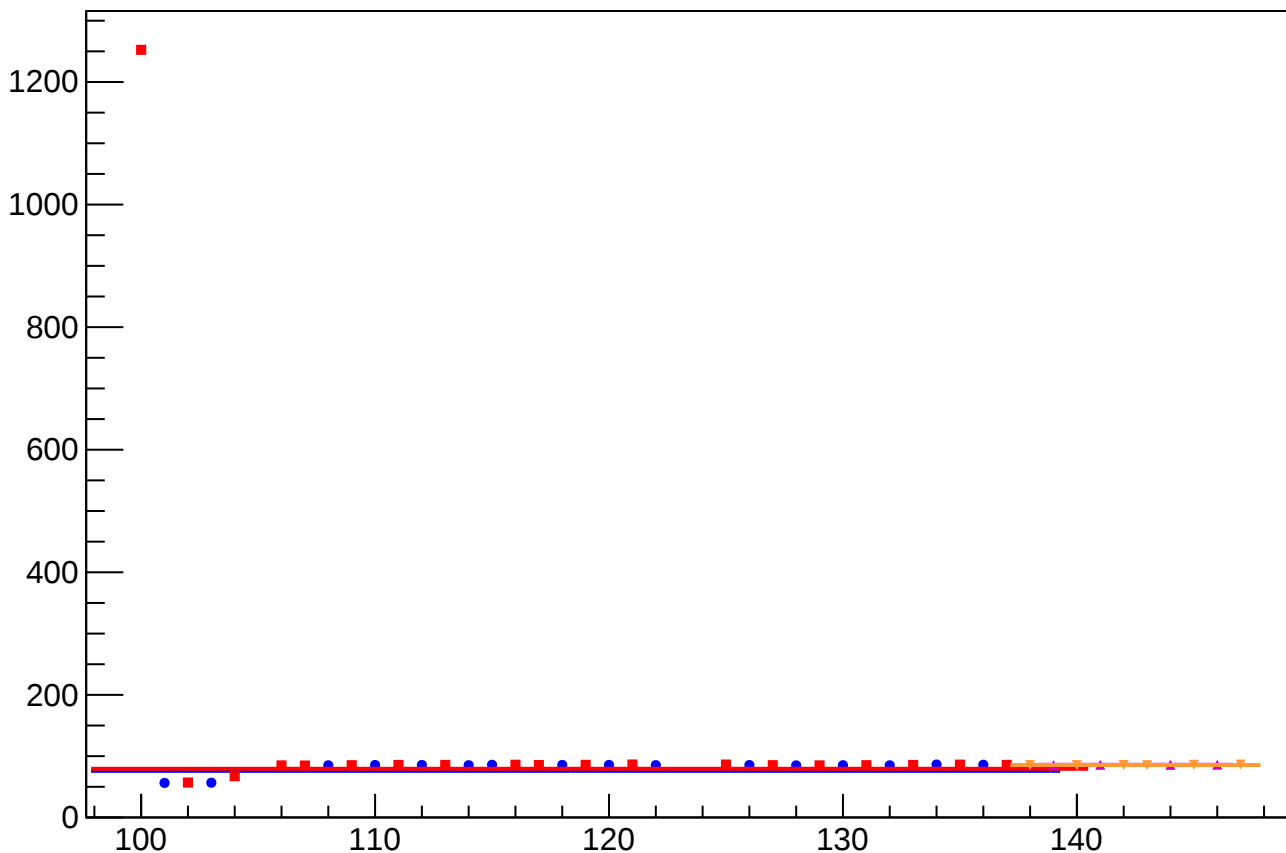
Left In: 36.544 ± 47.672 χ^2/NDF : 3.4/3

-6.787 ± 24.394 χ^2/NDF : 19.6/21

13.358 ± 17.665 χ^2/NDF : 41.7/44

35.568 ± 25.615 χ^2/NDF : 20.7/22

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.099 $\pm$ 0.021 χ^2 /NDF: 409200.9/15

Left Out: 85.560 $\pm$ 0.030 χ^2 /NDF:138.8/5

Right Out: 79.426 $\pm$ 0.021 χ^2 /NDF: 385484.8/18

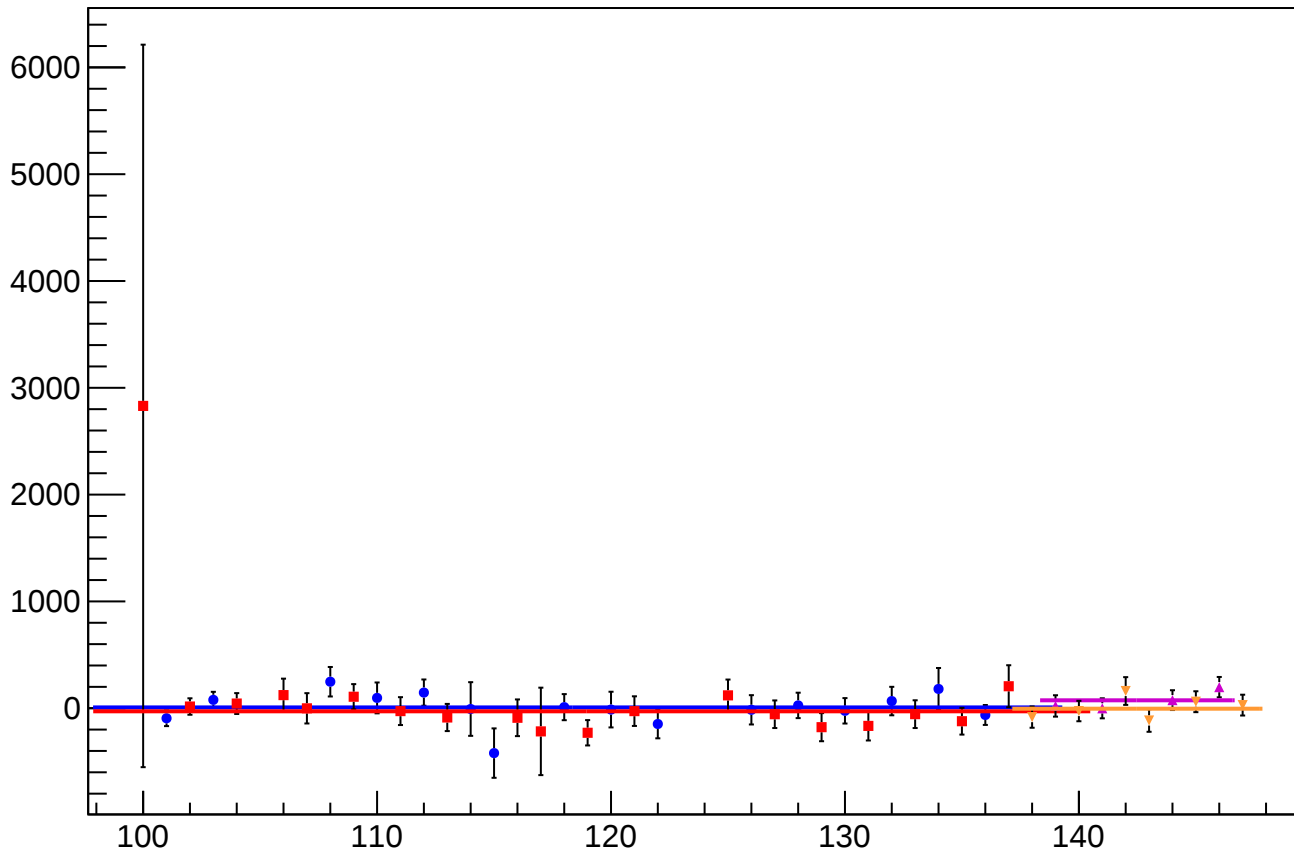
Left In: 85.888 $\pm$ 0.034 χ^2 /NDF:96.4/3

79.303 $\pm$ 0.017 χ^2 /NDF: 476719.1/21

80.249 $\pm$ 0.012 χ^2 /NDF: 894764.4/44

81.292 $\pm$ 0.018 χ^2 /NDF: 411719.7/22

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: -4.508 ± 41.928 χ^2/NDF : 4.0/5

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

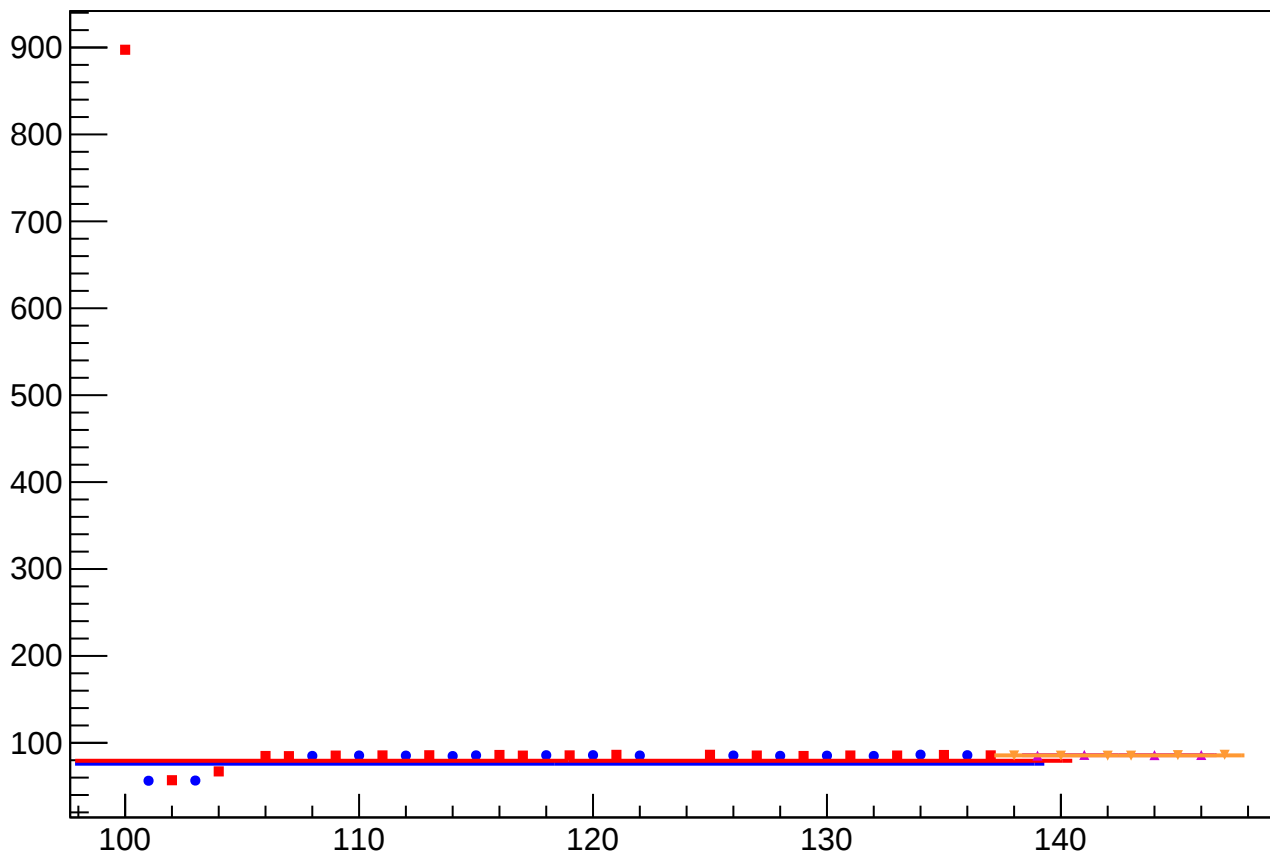
Left In: 74.057 ± 47.664 χ^2/NDF : 2.6/3

3.413 ± 24.381 χ^2/NDF : 18.0/21

2.147 ± 17.654 χ^2/NDF : 36.6/44

0.752 ± 25.597 χ^2/NDF : 18.6/22

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.576 $\pm$ 0.030 χ^2 /NDF: 169.9/5

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

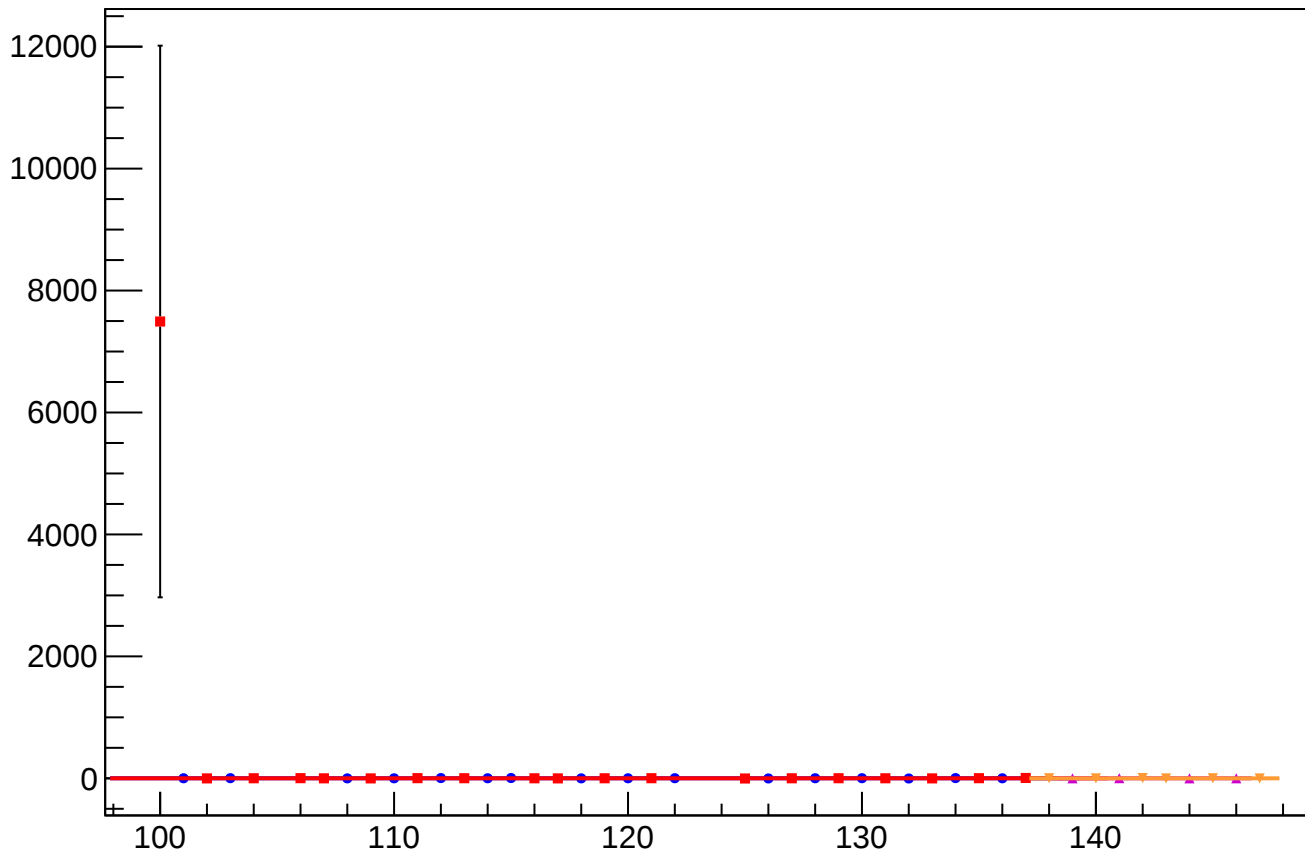
Left In: 85.873 $\pm$ 0.034 χ^2 /NDF: 82.4/3

79.259 $\pm$ 0.017 χ^2 /NDF: 477677.3/21

80.206 $\pm$ 0.012 χ^2 /NDF: 889348.9/44

81.249 $\pm$ 0.018 χ^2 /NDF: 405334.8/22

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.161 ± 0.730 χ^2/NDF : 5.8/5

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

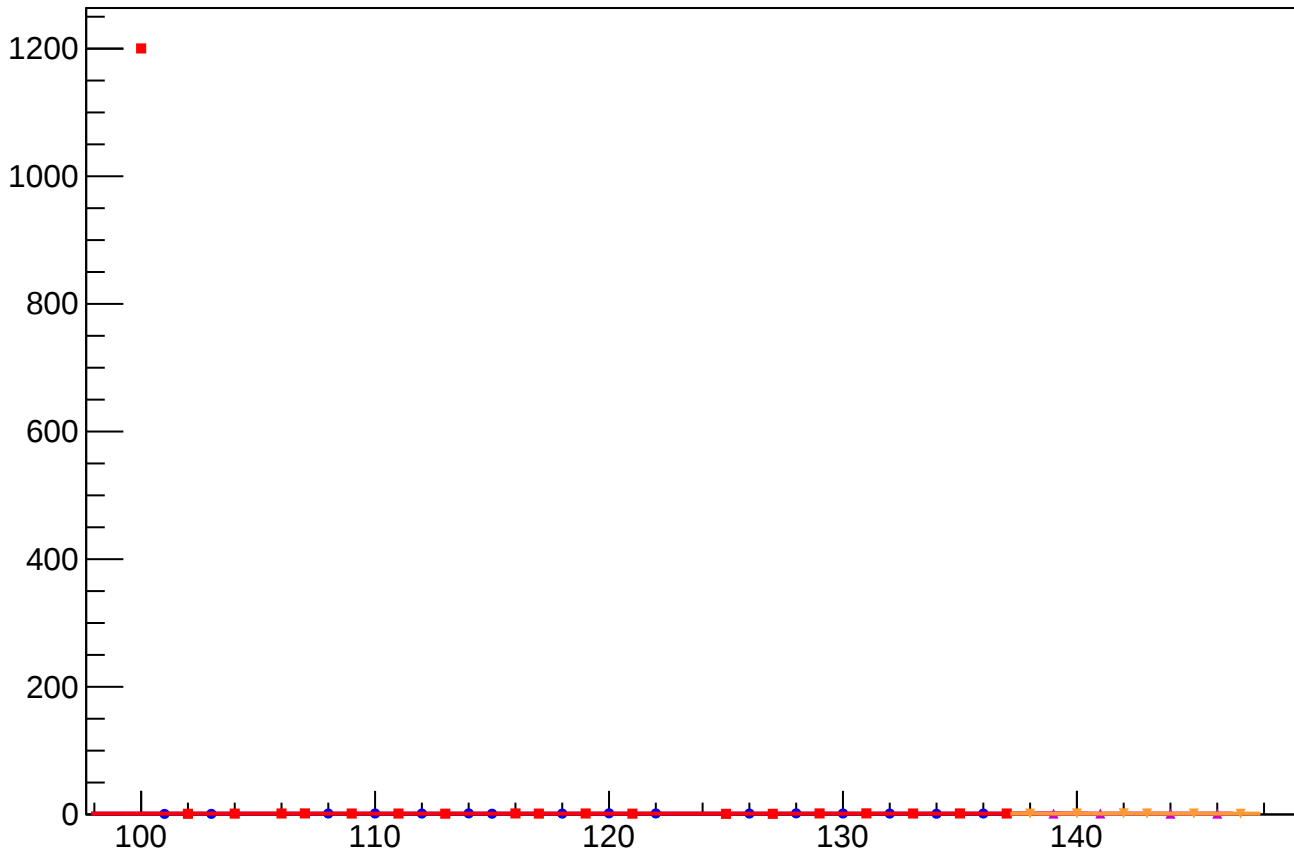
Left In: 0.451 ± 0.833 χ^2/NDF : 1.6/3

0.539 ± 0.430 χ^2/NDF : 19.2/21

0.449 ± 0.313 χ^2/NDF : 33.5/44

0.348 ± 0.457 χ^2/NDF : 14.3/22

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.354 $\pm$ 0.001 χ^2 /NDF: 161356.4/5

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

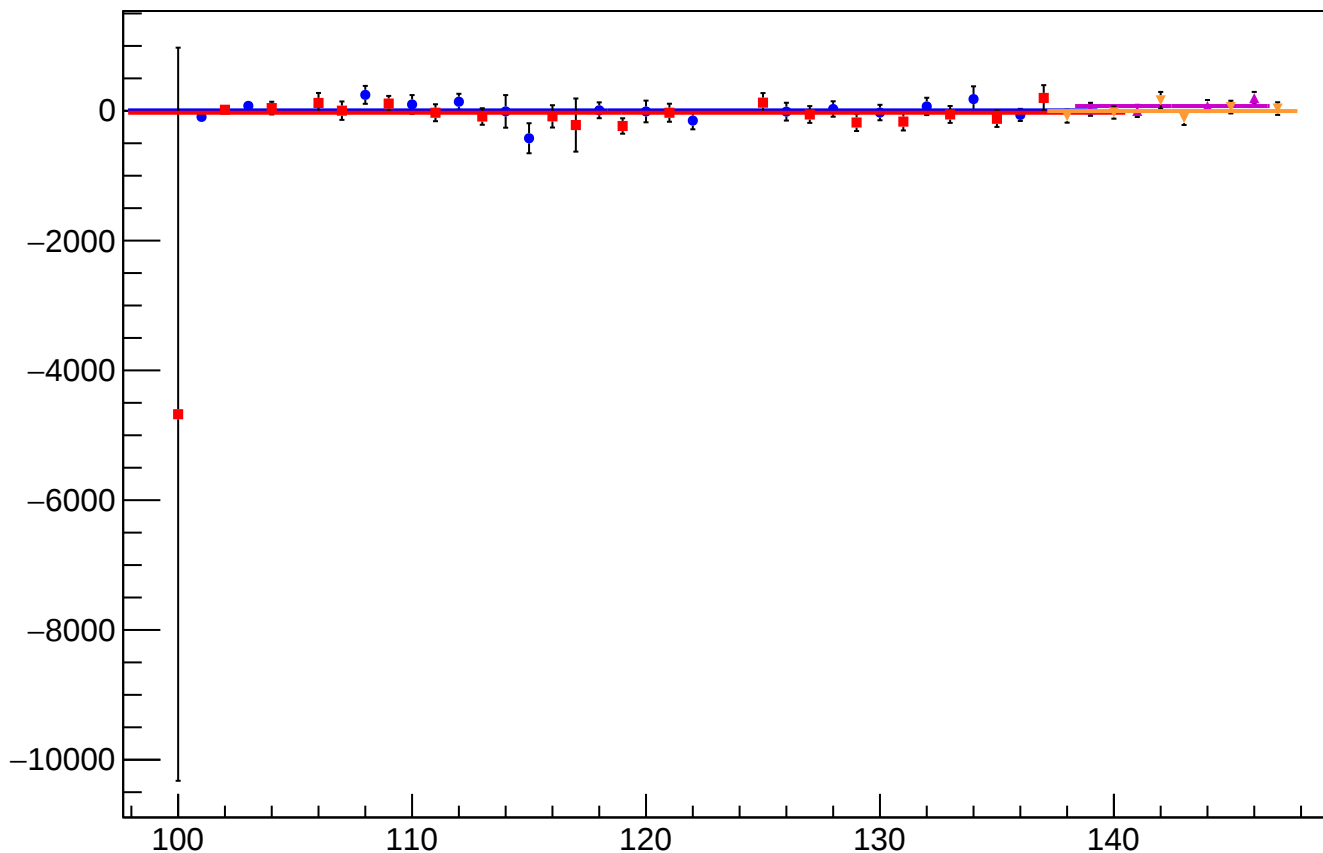
Left In: 1.373 $\pm$ 0.001 χ^2 /NDF: 32193.4/3

1.278 $\pm$ 0.000 χ^2 /NDF: 852437.4/21

1.304 $\pm$ 0.000 χ^2 /NDF: 1428264.1/44

1.334 $\pm$ 0.000 χ^2 /NDF: 559886.1/22

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.781 ± 29.977 $\chi^2/\text{NDF}: 13.8/15$

Left Out: -3.442 ± 41.940 $\chi^2/\text{NDF}: 3.9/5$

Right Out: -29.600 ± 30.353 $\chi^2/\text{NDF}: 12.9/18$

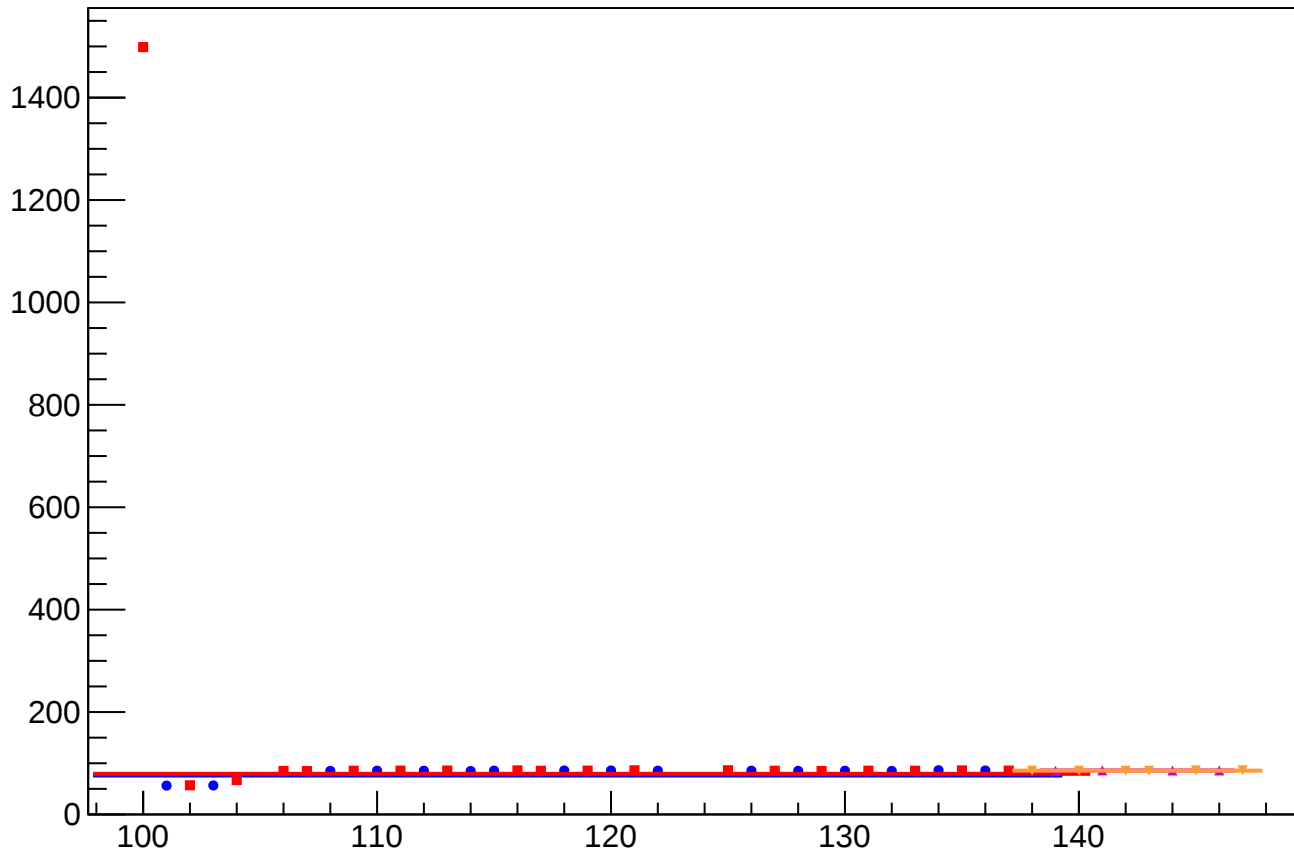
Left In: 73.773 ± 47.677 $\chi^2/\text{NDF}: 2.5/3$

3.324 ± 24.388 $\chi^2/\text{NDF}: 17.8/21$

1.845 ± 17.659 $\chi^2/\text{NDF}: 36.6/44$

0.214 ± 25.604 $\chi^2/\text{NDF}: 18.8/22$

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.052 $\pm$ 0.021 χ^2 /NDF: 408962.1/15

Left Out: 85.599 $\pm$ 0.030 χ^2 /NDF: 169.0/5

Right Out: 79.371 $\pm$ 0.021 χ^2 /NDF: 388057.0/18

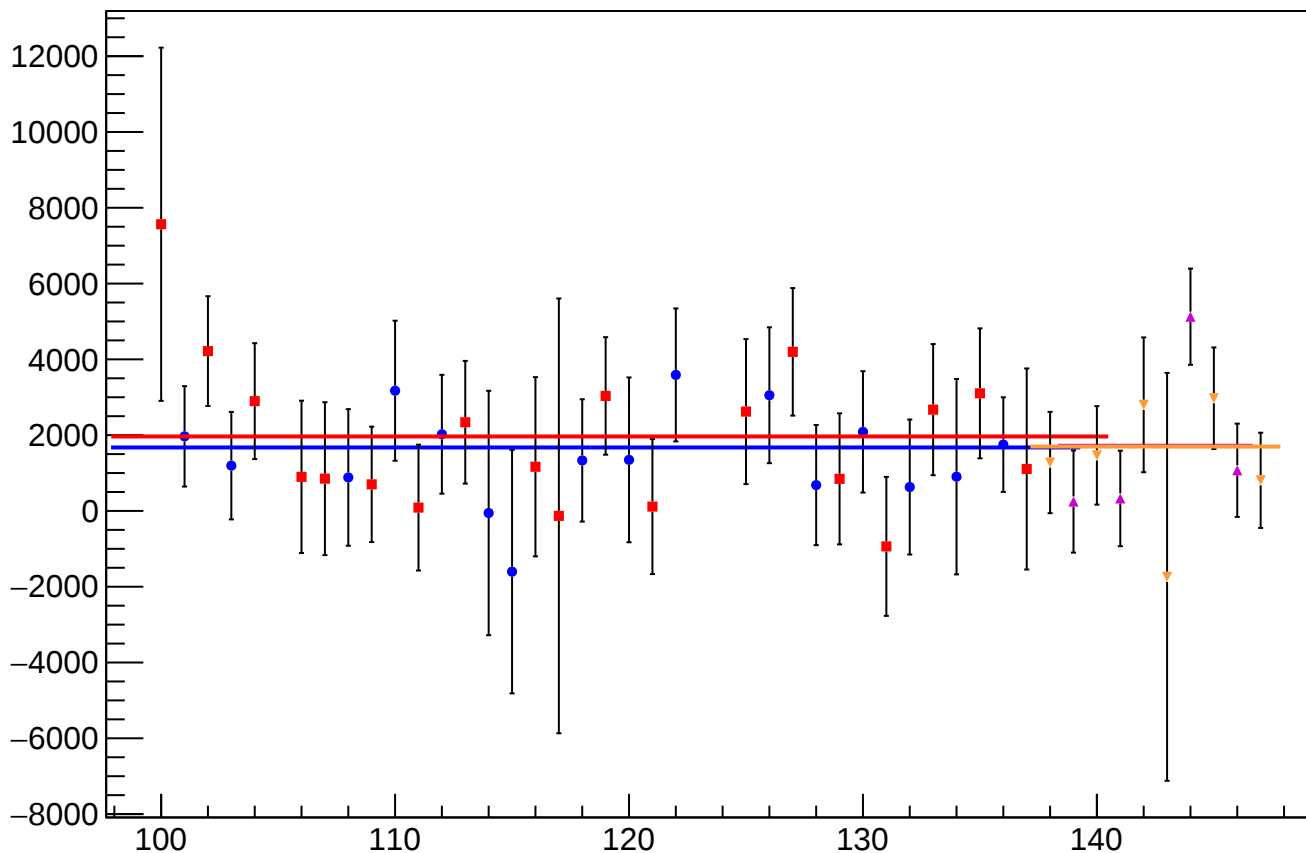
Left In: 85.897 $\pm$ 0.034 χ^2 /NDF: 82.3/3

79.280 $\pm$ 0.017 χ^2 /NDF: 477720.7/21

80.219 $\pm$ 0.012 χ^2 /NDF: 898745.1/44

81.253 $\pm$ 0.018 χ^2 /NDF: 414798.6/22

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1699.355 $\pm$ 609.531 χ^2 /NDF: 2.3/5

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

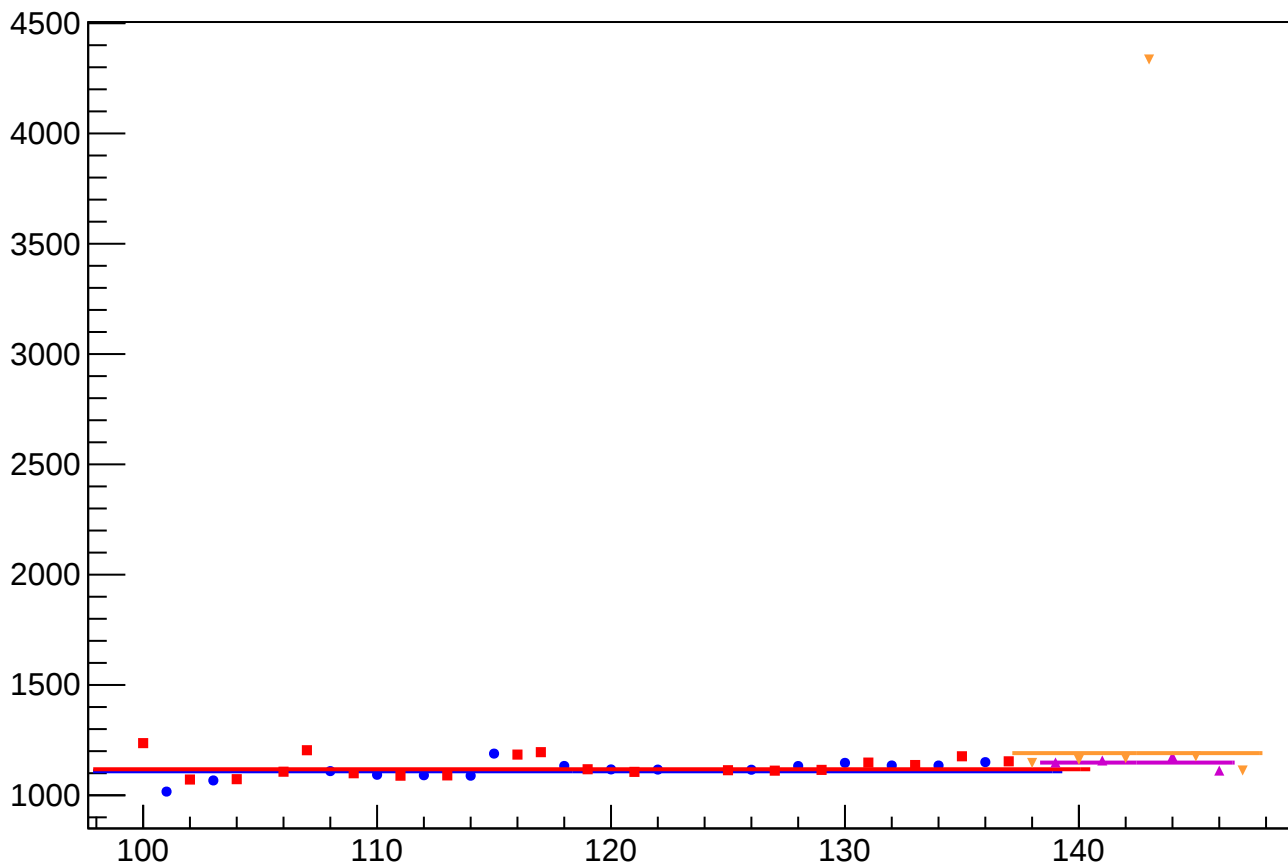
Left In: 1719.791 $\pm$ 637.414 χ^2 /NDF: 9.9/3

1683.104 $\pm$ 351.691 χ^2 /NDF: 7.5/21

1786.830 $\pm$ 248.597 χ^2 /NDF: 31.8/44

1890.412 $\pm$ 351.447 χ^2 /NDF: 24.1/22

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1191.074+/-0.431 χ^2/NDF : 694352.8/5

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

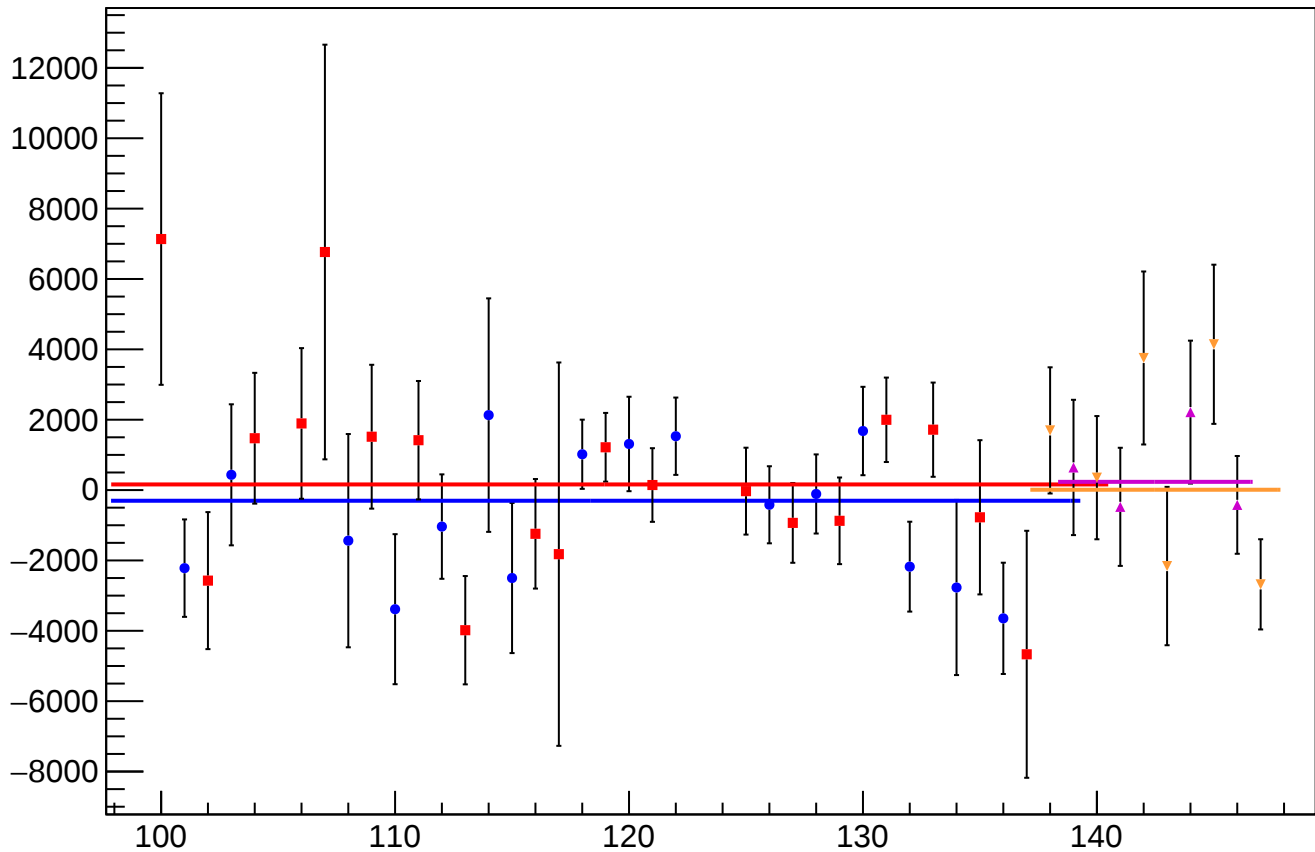
Left In: 1148.157+/-0.451 χ^2/NDF : 2831.9/3

1136.150+/-0.249 χ^2/NDF : 736777.1/21

1131.641+/-0.176 χ^2/NDF : 759272.1/44

1127.139+/-0.249 χ^2/NDF : 21838.1/22

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: 9.294+/-744.625 χ^2/NDF : 11.9/5

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

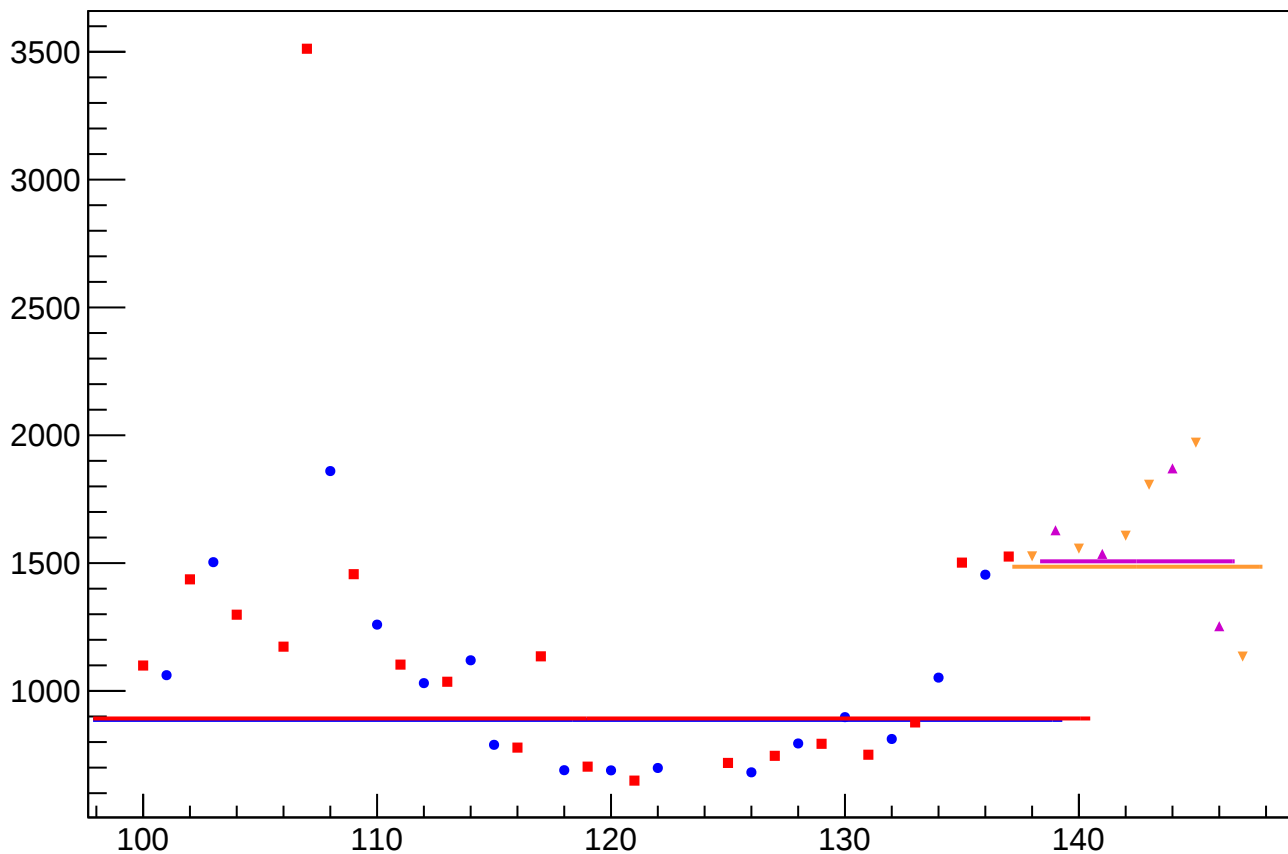
Left In: 233.982+/-849.627 χ^2/NDF : 1.4/3

-244.088+/-324.159 χ^2/NDF : 34.3/21

-38.777+/-230.537 χ^2/NDF : 61.6/44

171.341+/-327.932 χ^2/NDF : 26.4/22

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1485.839+/-0.527 χ^2/NDF : 292061.9/5

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

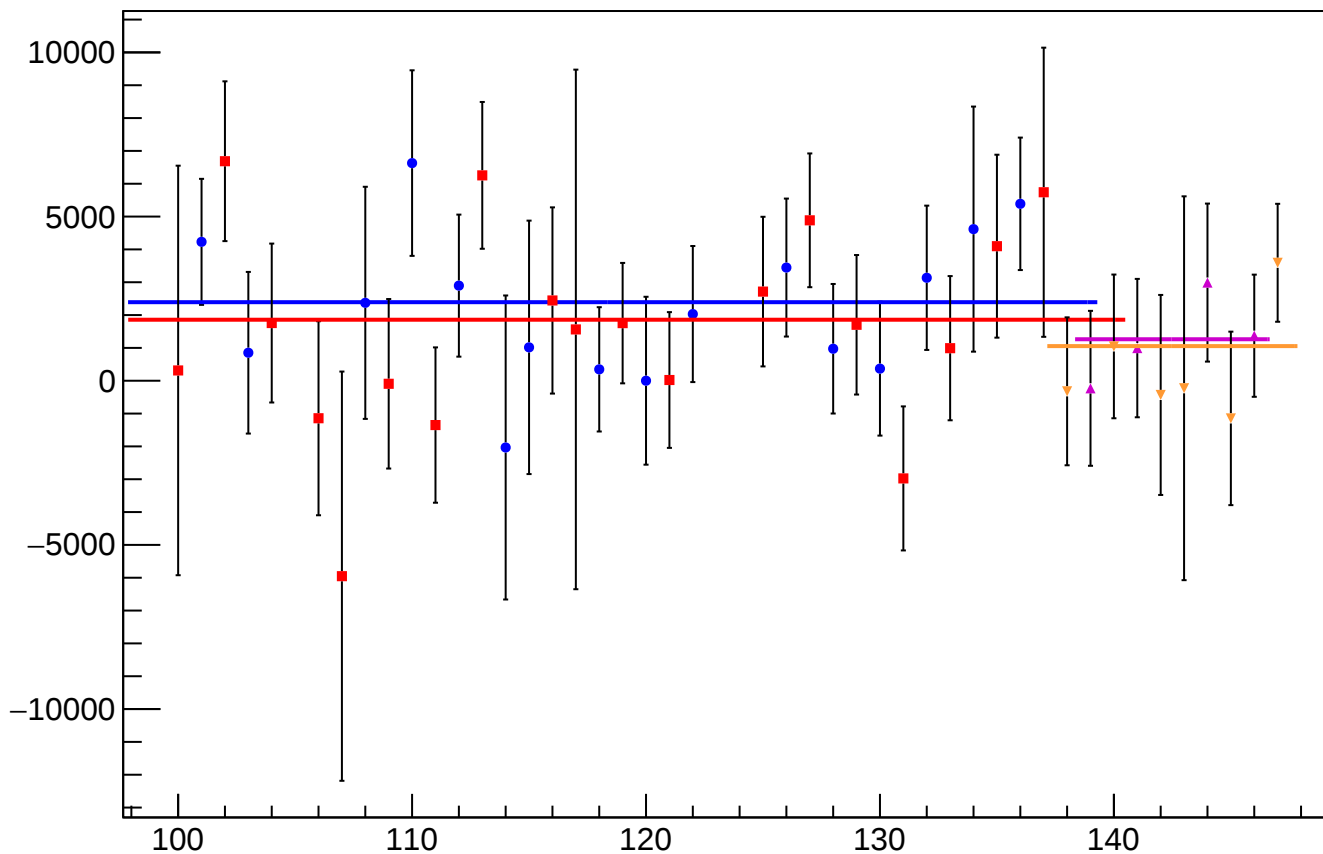
Left In: 1506.926+/-0.601 χ^2/NDF : 139338.1/3

1000.238+/-0.229 χ^2/NDF : 2402393.9/21

992.118+/-0.163 χ^2/NDF : 4853356.5/44

983.809+/-0.232 χ^2/NDF : 2448423.7/22

asym_usl_mean vs Slug, Sign Corrected



Right In: 2392.385 $\pm$ 588.991 χ^2 /NDF: 11.2/15

Left Out: 1054.677 $\pm$ 1001.957 χ^2 /NDF: 3.4/5

Right Out: 1858.263 $\pm$ 581.542 χ^2 /NDF: 22.5/18

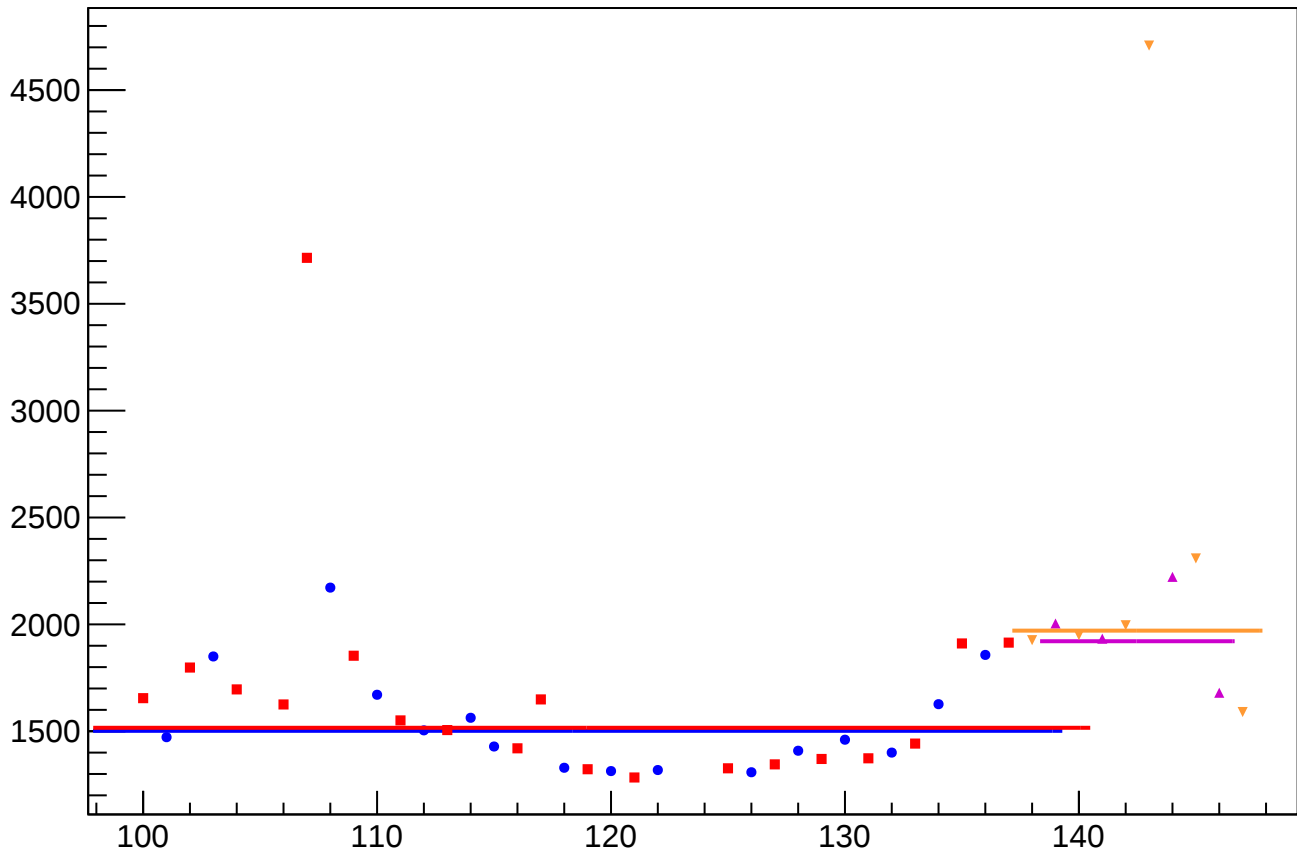
Left In: 1263.538 $\pm$ 1074.345 χ^2 /NDF: 0.9/3

2048.844 $\pm$ 507.759 χ^2 /NDF: 15.8/21

1887.339 $\pm$ 360.329 χ^2 /NDF: 39.7/44

1723.494 $\pm$ 511.424 χ^2 /NDF: 23.7/22

asym_usl_rms vs Slug, Sign Corrected



Right In: 1501.937 $\pm$ 0.416 χ^2 /NDF: 254549.7/15

Left Out: 1970.699 $\pm$ 0.708 χ^2 /NDF: 562443.4/5

Right Out: 1516.127 $\pm$ 0.411 χ^2 /NDF: 480325.9/18

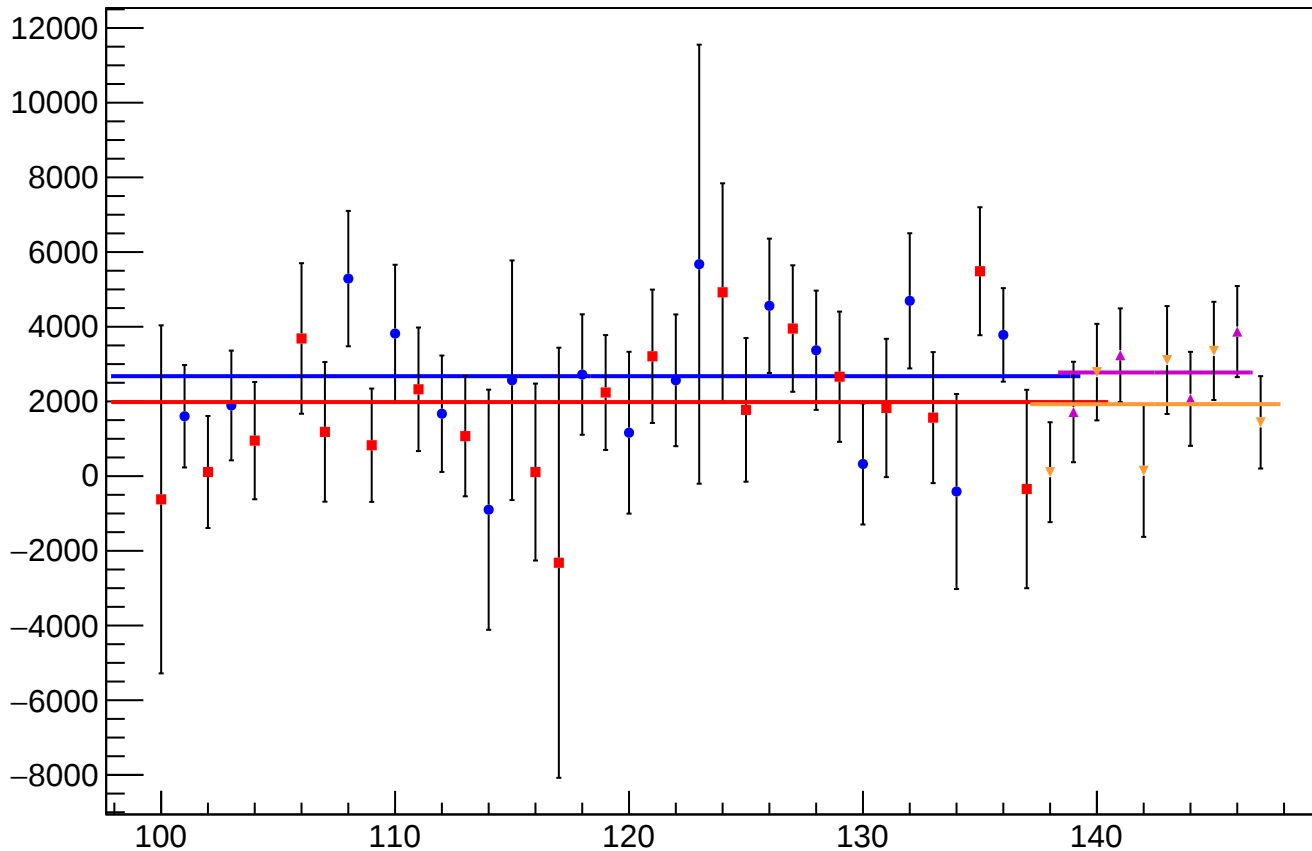
Left In: 1921.140 $\pm$ 0.760 χ^2 /NDF: 67434.8/3

1622.321 $\pm$ 0.359 χ^2 /NDF: 1142330.8/21

1615.165 $\pm$ 0.255 χ^2 /NDF: 1910718.6/44

1607.906 $\pm$ 0.362 χ^2 /NDF: 767587.6/22

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1927.543 $\pm$ 560.122 χ^2 /NDF: 5.3/5

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

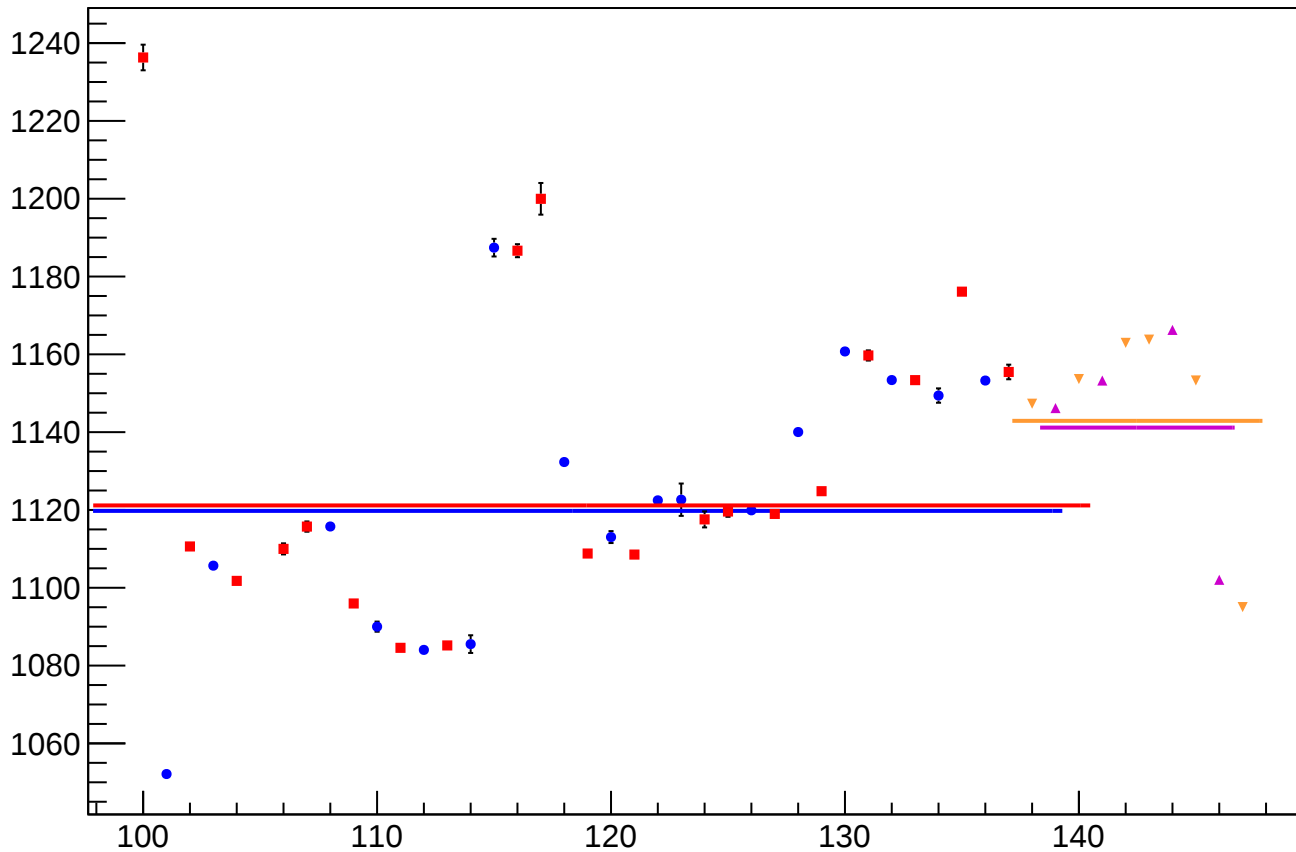
Left In: 2775.665 $\pm$ 633.546 χ^2 /NDF: 1.9/3

2395.988 $\pm$ 342.861 χ^2 /NDF: 19.0/22

2311.501 $\pm$ 244.559 χ^2 /NDF: 35.5/46

2223.993 $\pm$ 348.936 χ^2 /NDF: 16.3/23

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1119.762 ± 0.307 $\chi^2/\text{NDF}: 11876.8/16$

Left Out: 1142.906 ± 0.396 $\chi^2/\text{NDF}: 3953.3/5$

Right Out: 1121.164 ± 0.296 $\chi^2/\text{NDF}: 10310.8/19$

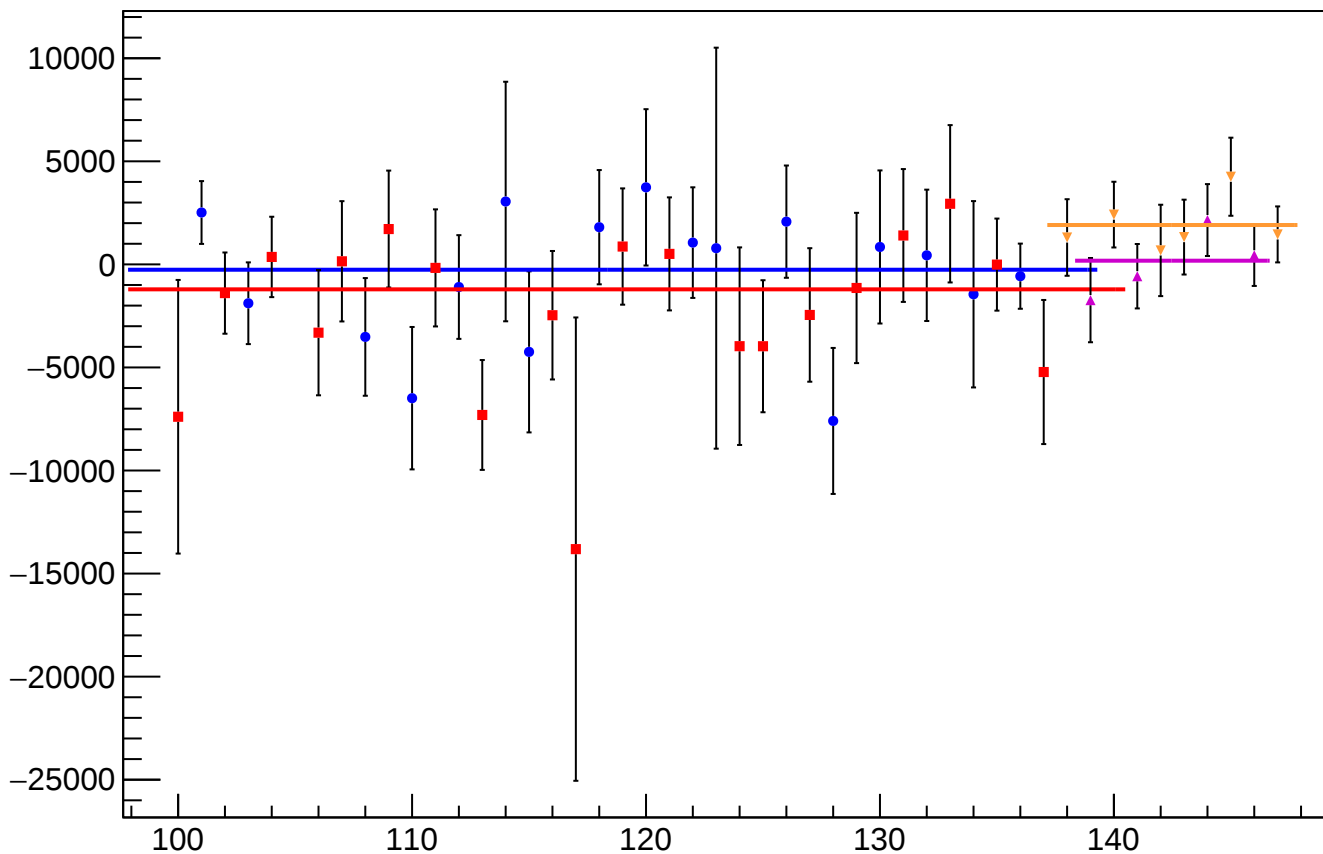
Left In: 1141.169 ± 0.448 $\chi^2/\text{NDF}: 3068.3/3$

1128.434 ± 0.242 $\chi^2/\text{NDF}: 17965.3/22$

1127.843 ± 0.173 $\chi^2/\text{NDF}: 32745.7/46$

1127.232 ± 0.247 $\chi^2/\text{NDF}: 14768.3/23$

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1909.612+/-705.083 χ^2/NDF : 2.3/5

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

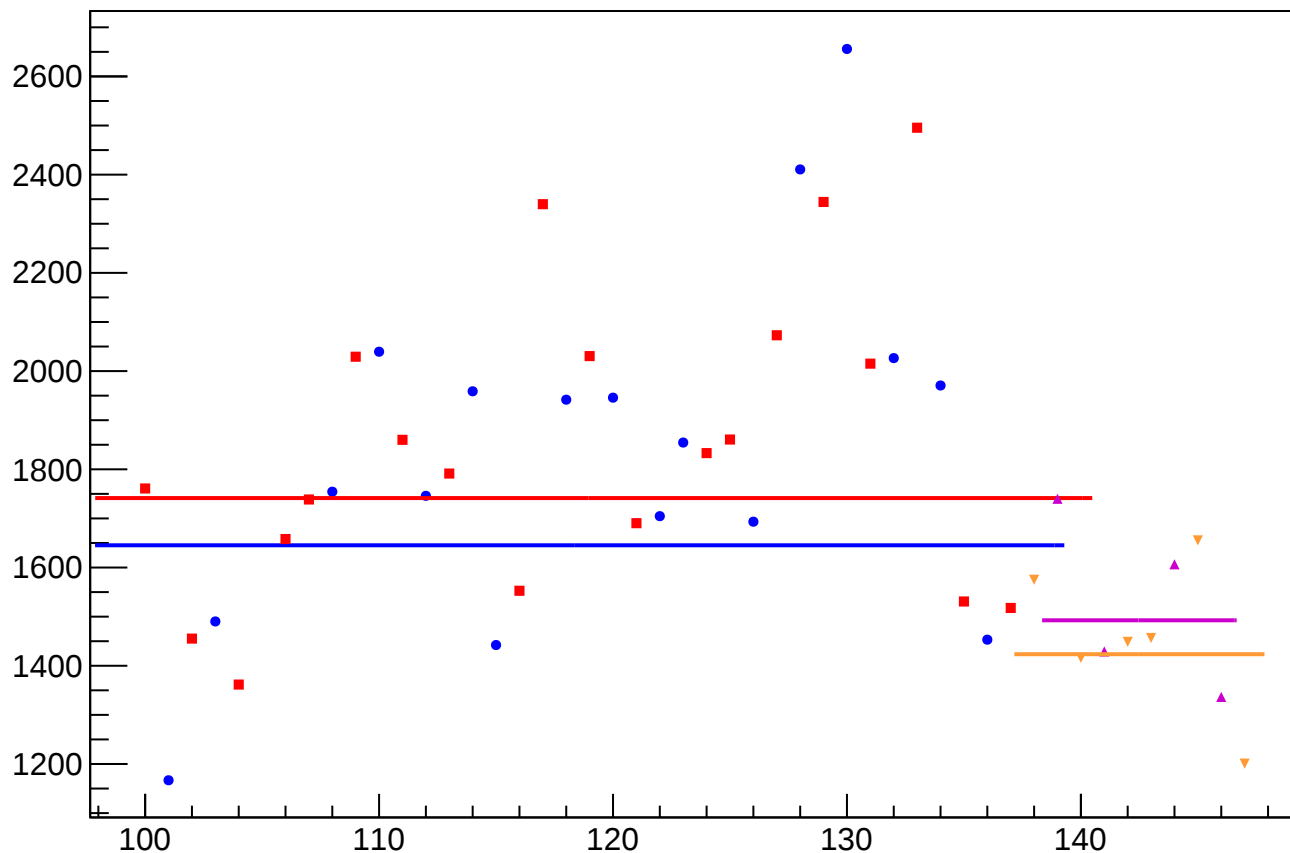
Left In: 178.428+/-836.088 χ^2/NDF : 2.4/3

745.571+/-479.993 χ^2/NDF : 24.6/22

89.498+/-352.284 χ^2/NDF : 48.4/46

-676.543+/-518.662 χ^2/NDF : 19.8/23

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.307 $\pm$ 0.463 χ^2 /NDF: 600915.2/16

Left Out: 1423.506 $\pm$ 0.499 χ^2 /NDF: 98122.9/5

Right Out: 1741.460 $\pm$ 0.468 χ^2 /NDF: 376702.2/19

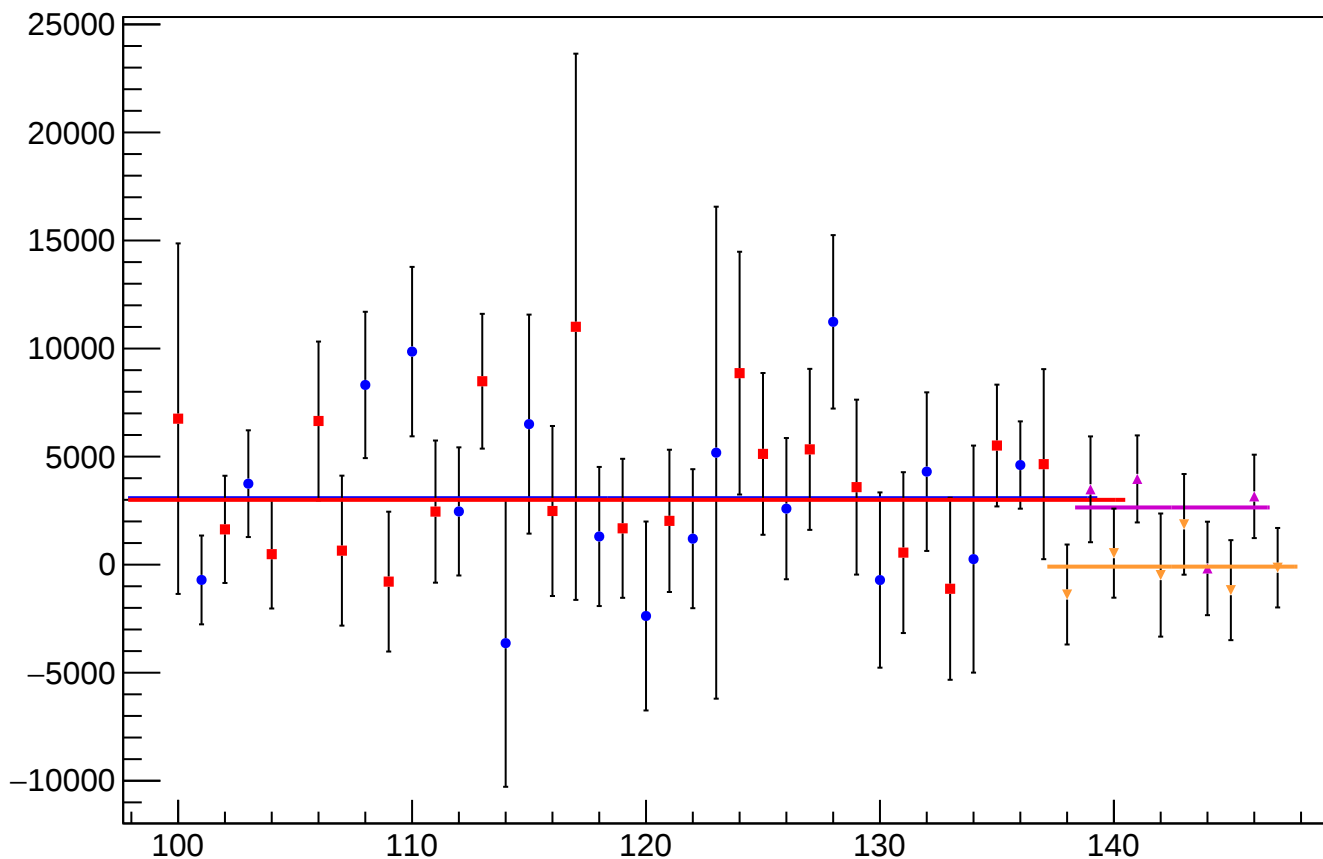
Left In: 1492.585 $\pm$ 0.591 χ^2 /NDF: 63199.8/3

1542.516 $\pm$ 0.339 χ^2 /NDF: 805231.1/22

1590.113 $\pm$ 0.249 χ^2 /NDF: 1396775.6/46

1645.687 $\pm$ 0.367 χ^2 /NDF: 548917.4/23

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: -91.300+/-908.167 χ^2/NDF : 1.3/5

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

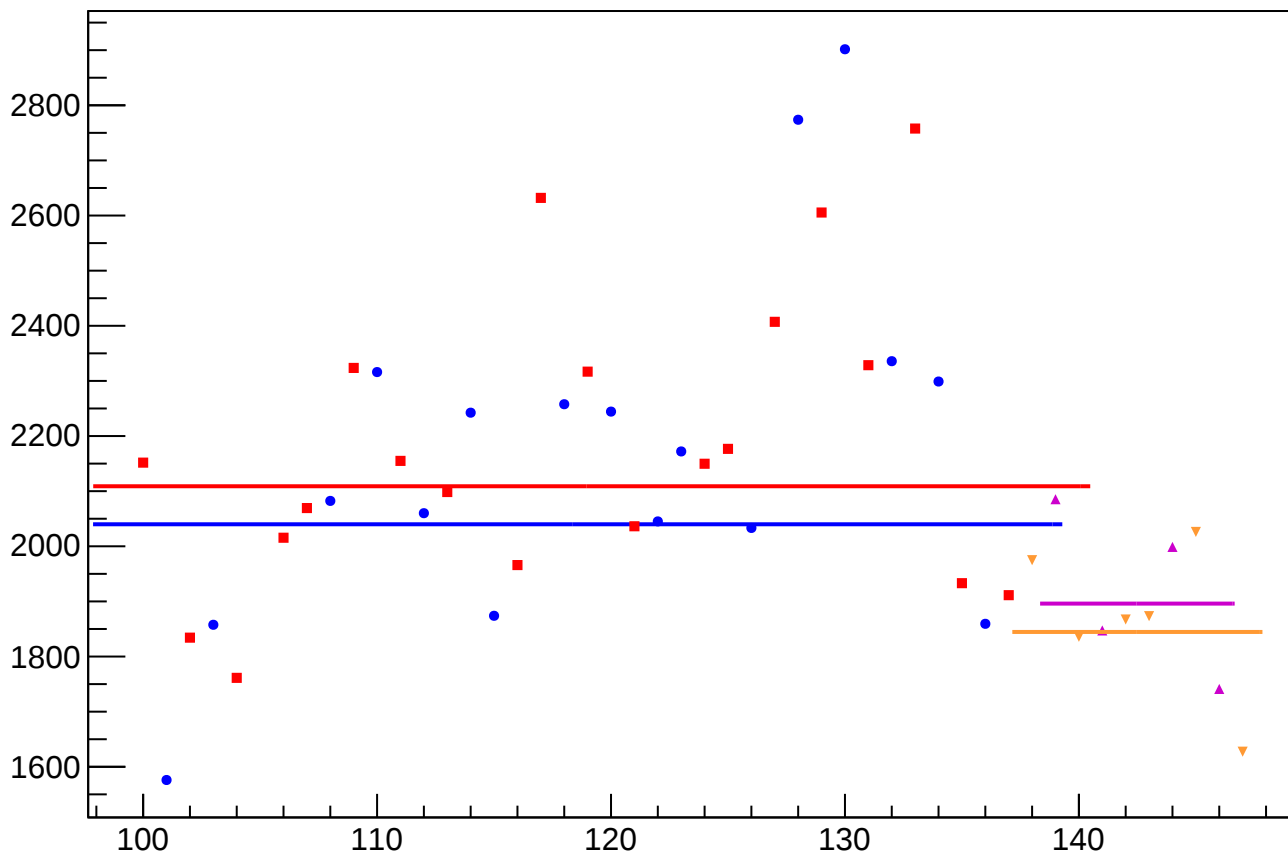
Left In: 2646.991+/-1056.664 χ^2/NDF : 2.3/3

1687.400+/-601.253 χ^2/NDF : 26.8/22

2247.635+/-436.528 χ^2/NDF : 43.3/46

2872.133+/-634.801 χ^2/NDF : 14.7/23

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1844.616 $\pm$ 0.642 χ^2/NDF : 47011.2/5

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

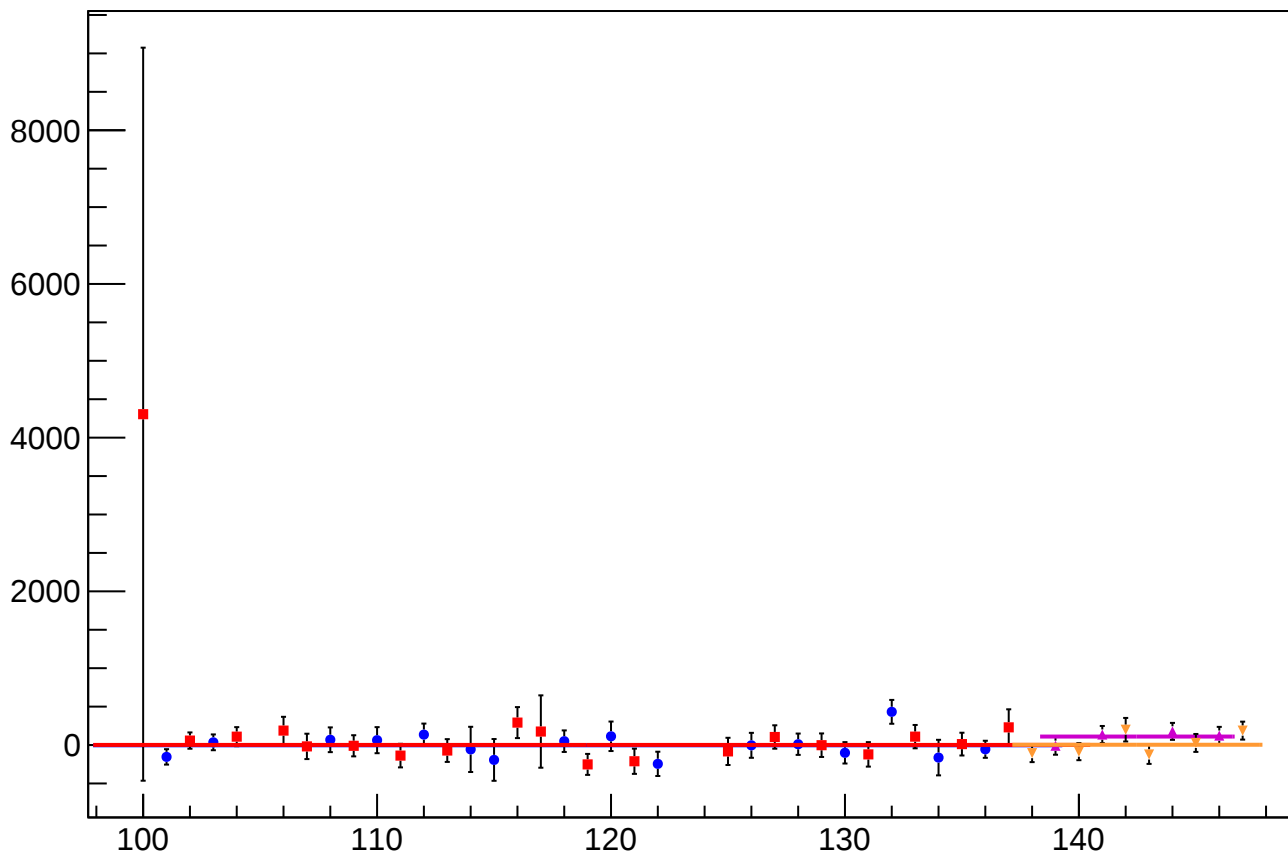
Left In: 1896.039 $\pm$ 0.747 χ^2/NDF : 30518.7/3

1954.328 $\pm$ 0.425 χ^2/NDF : 430960.8/22

1991.095 $\pm$ 0.309 χ^2/NDF : 728056.1/46

2032.080 $\pm$ 0.449 χ^2/NDF : 281279.8/23

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 3.711 ± 49.425 $\chi^2/\text{NDF}: 6.7/5$

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

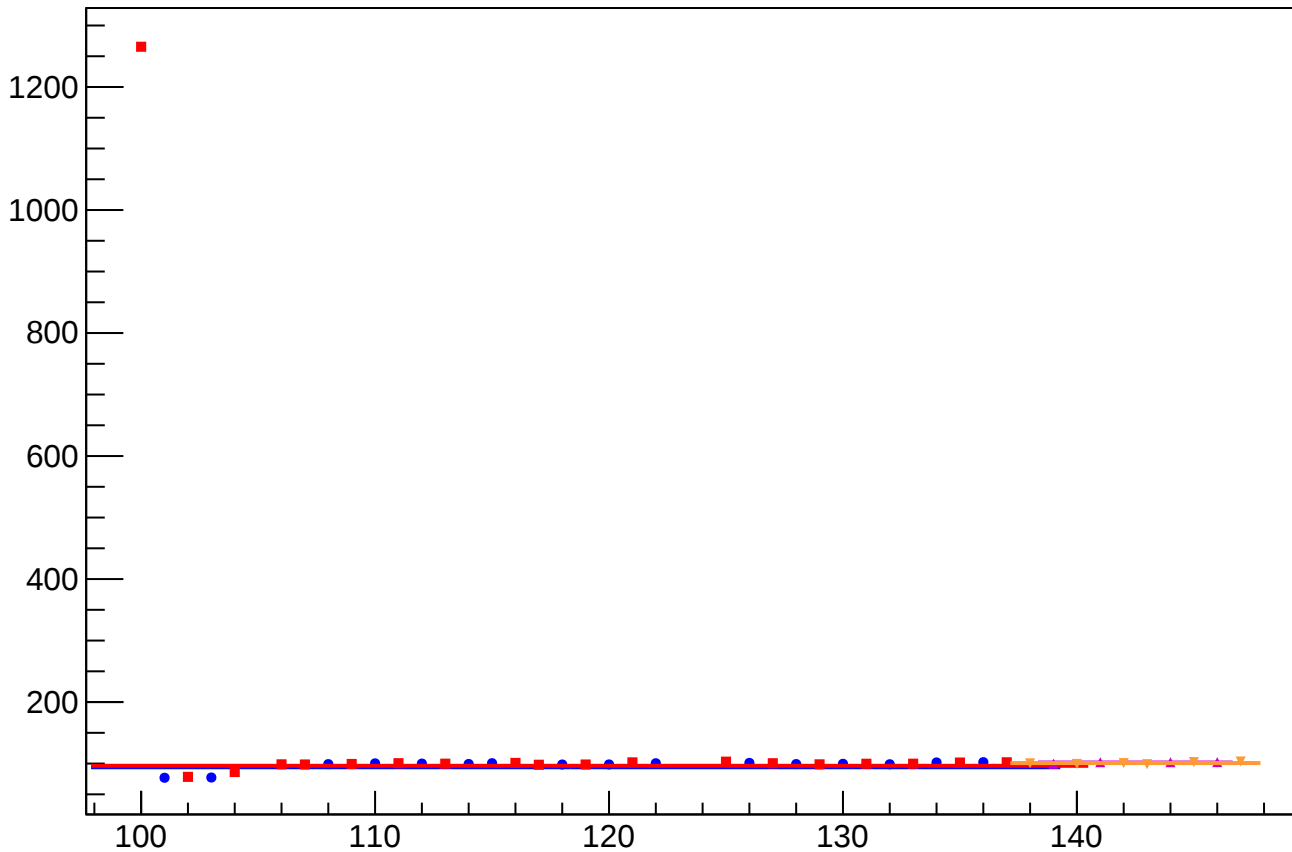
Left In: 110.386 ± 56.455 $\chi^2/\text{NDF}: 1.5/3$

-0.796 ± 29.472 $\chi^2/\text{NDF}: 22.9/21$

15.765 ± 21.262 $\chi^2/\text{NDF}: 41.7/44$

33.738 ± 30.703 $\chi^2/\text{NDF}: 18.2/22$

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.864+/-0.035 χ^2/NDF : 2098.5/5

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

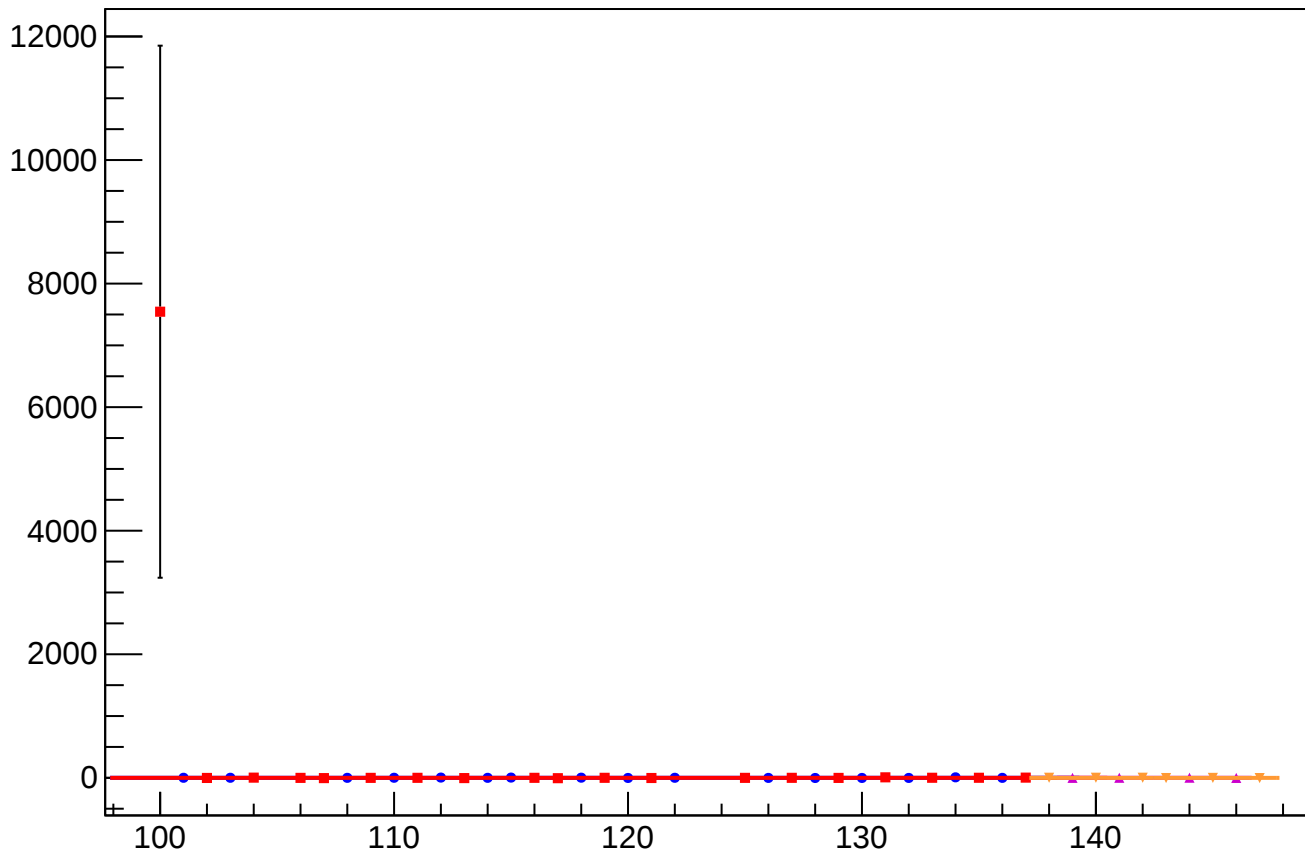
Left In: 101.707+/-0.040 χ^2/NDF : 672.5/3

96.485+/-0.021 χ^2/NDF : 178746.9/21

97.191+/-0.015 χ^2/NDF : 403597.4/44

97.957+/-0.022 χ^2/NDF : 222455.2/22

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.426 $\pm$ 0.616 χ^2 /NDF: 9.7/15

Left Out: -0.922 $\pm$ 0.846 χ^2 /NDF: 7.5/5

Right Out: -0.336 $\pm$ 0.641 χ^2 /NDF: 23.1/18

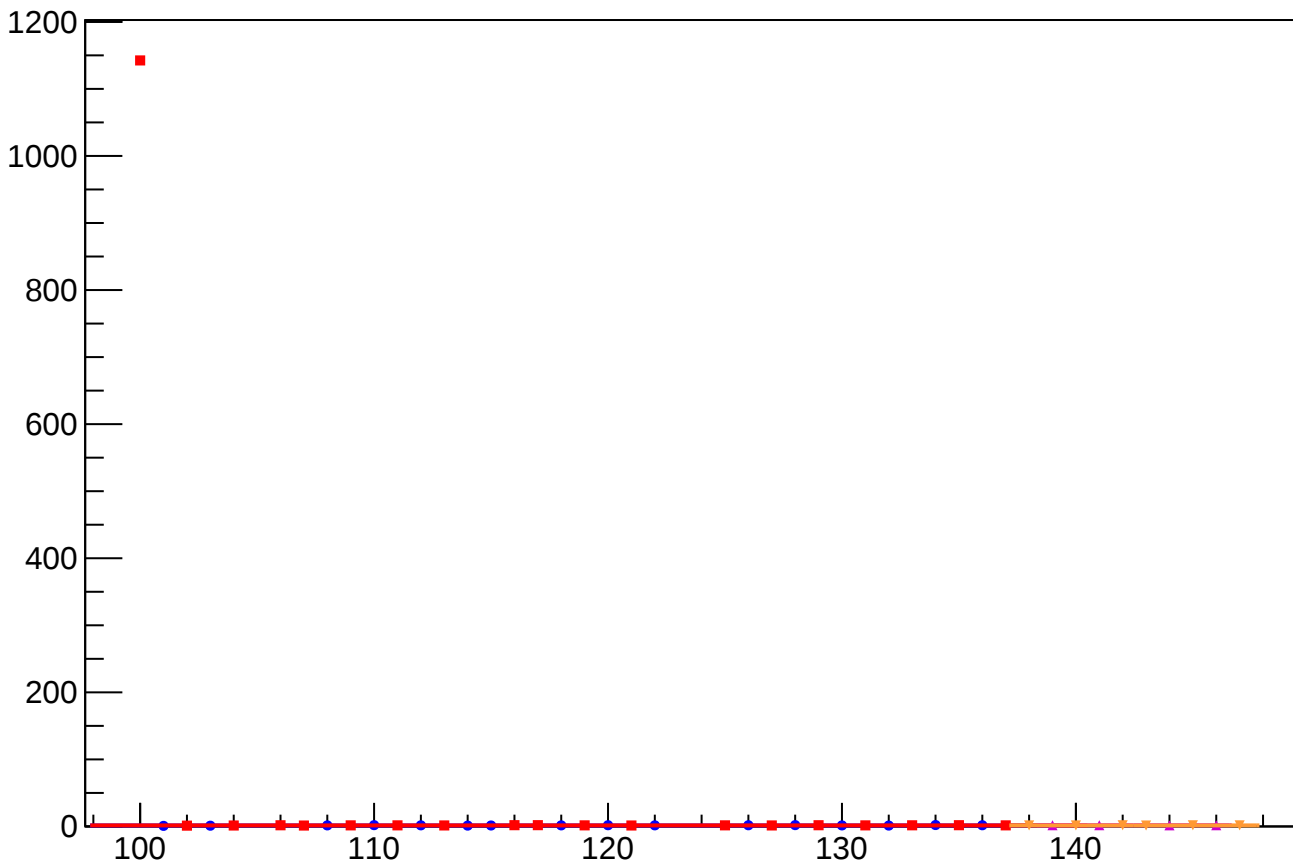
Left In: 0.325 $\pm$ 1.065 χ^2 /NDF: 1.6/3

-0.041 $\pm$ 0.498 χ^2 /NDF: 18.9/21

-0.094 $\pm$ 0.369 χ^2 /NDF: 43.9/44

-0.160 $\pm$ 0.549 χ^2 /NDF: 25.0/22

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.575+/-0.001 χ^2/NDF : 39763.4/5

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

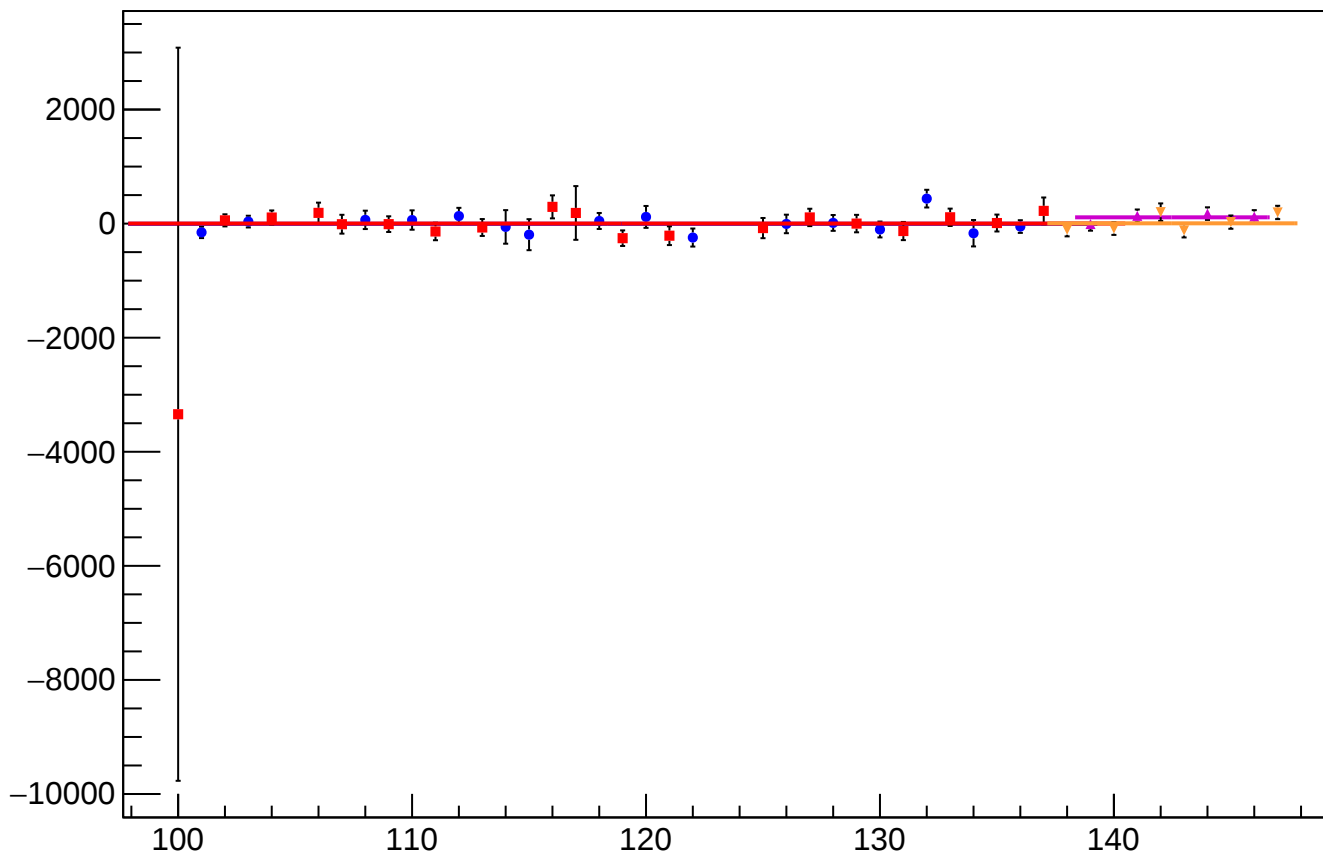
Left In: 1.807+/-0.001 χ^2/NDF : 8738.9/3

1.473+/-0.000 χ^2/NDF : 814933.7/21

1.541+/-0.000 χ^2/NDF : 1305093.9/44

1.624+/-0.000 χ^2/NDF : 408111.5/22

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 5.136+/-49.437 χ^2/NDF : 7.0/5

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

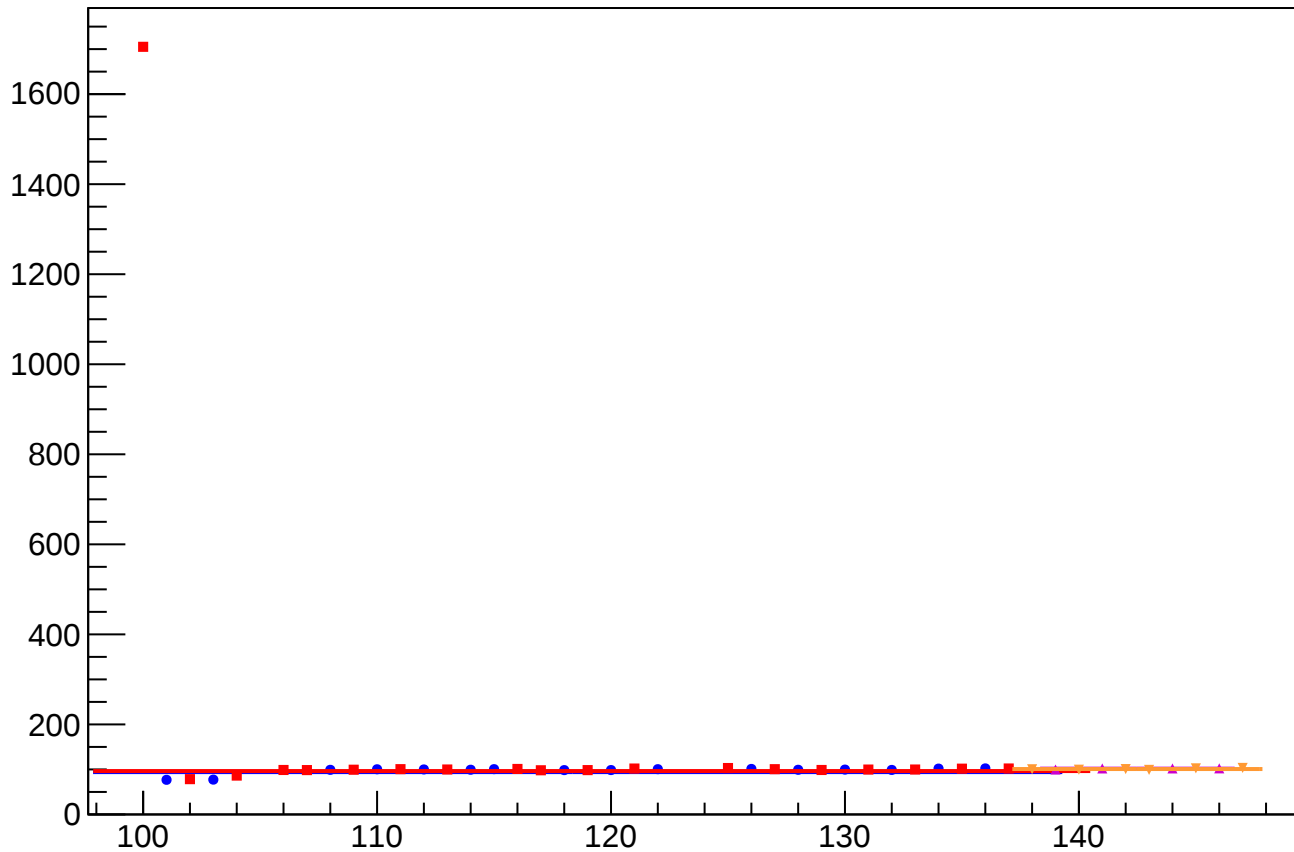
Left In: 110.258+/-56.470 χ^2/NDF : 1.4/3

-0.171+/-29.480 χ^2/NDF : 23.3/21

15.989+/-21.268 χ^2/NDF : 41.6/44

33.528+/-30.712 χ^2/NDF : 17.7/22

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.890+/-0.035 χ^2/NDF : 2096.9/5

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

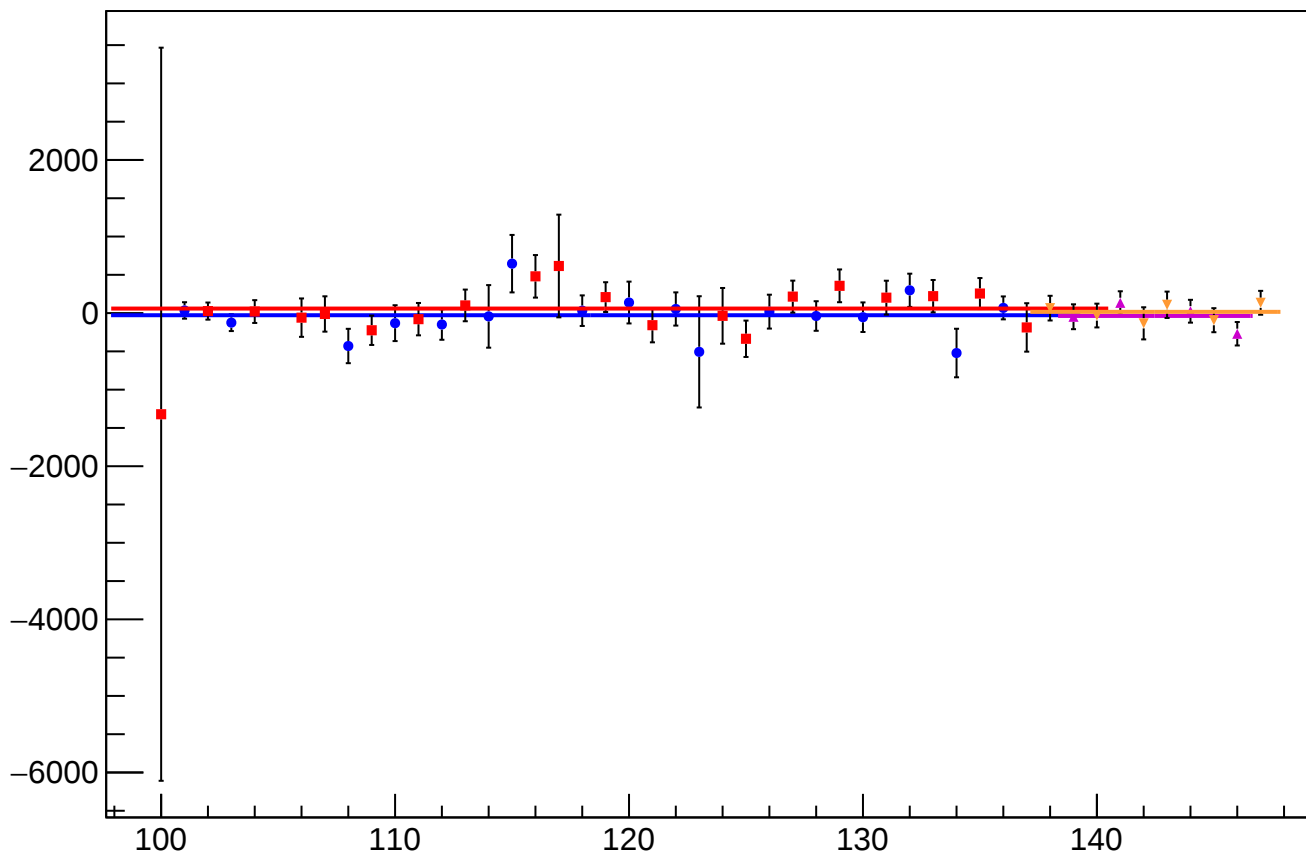
Left In: 101.735+/-0.040 χ^2/NDF : 672.4/3

96.510+/-0.021 χ^2/NDF : 178766.2/21

97.211+/-0.015 χ^2/NDF : 408798.8/44

97.972+/-0.022 χ^2/NDF : 227672.6/22

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 16.335 ± 67.698 χ^2/NDF : 2.0/5

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

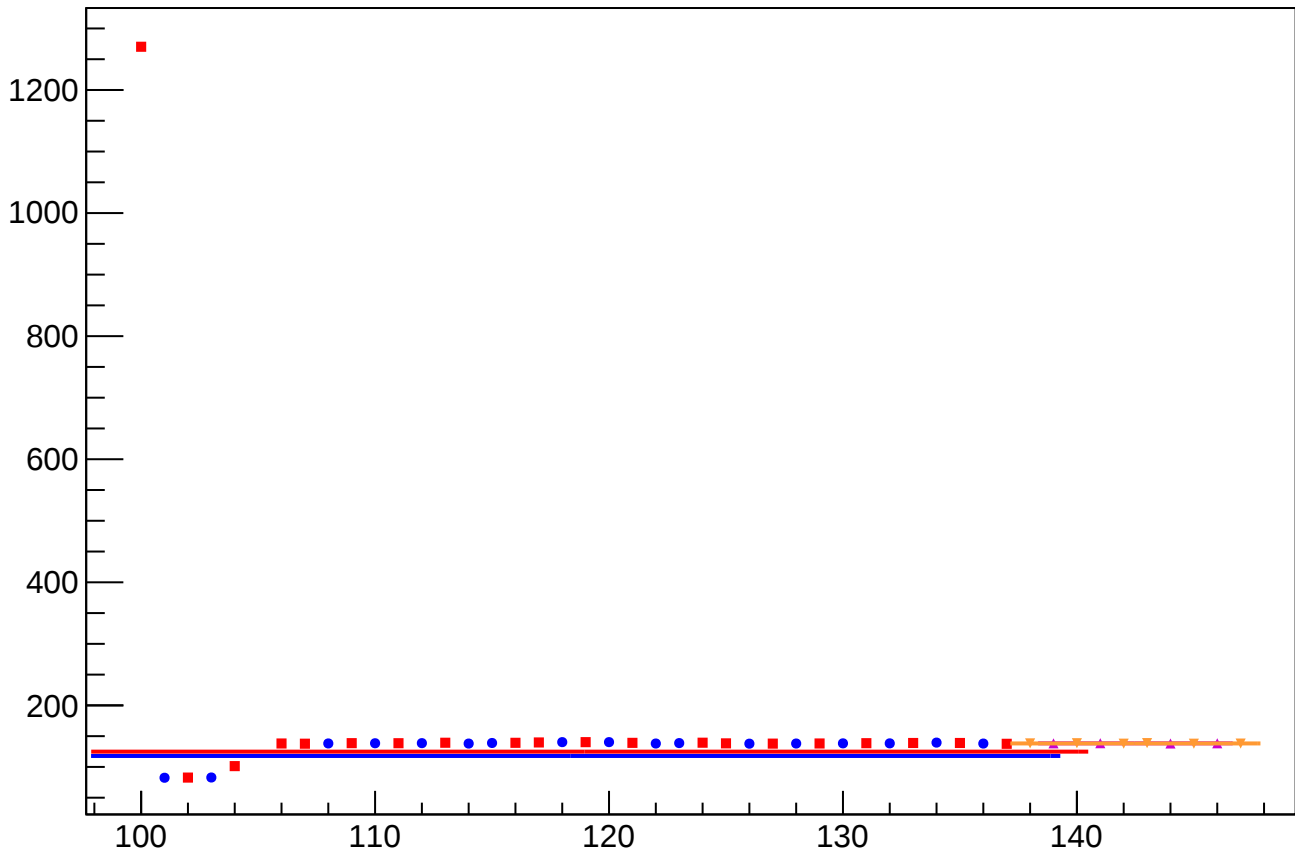
Left In: -37.167 ± 76.792 χ^2/NDF : 3.8/3

-13.565 ± 38.484 χ^2/NDF : 16.6/22

8.306 ± 27.882 χ^2/NDF : 37.8/46

32.469 ± 40.451 χ^2/NDF : 20.5/23

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.169 $\pm$ 0.048 χ^2 /NDF: 55.9/5

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

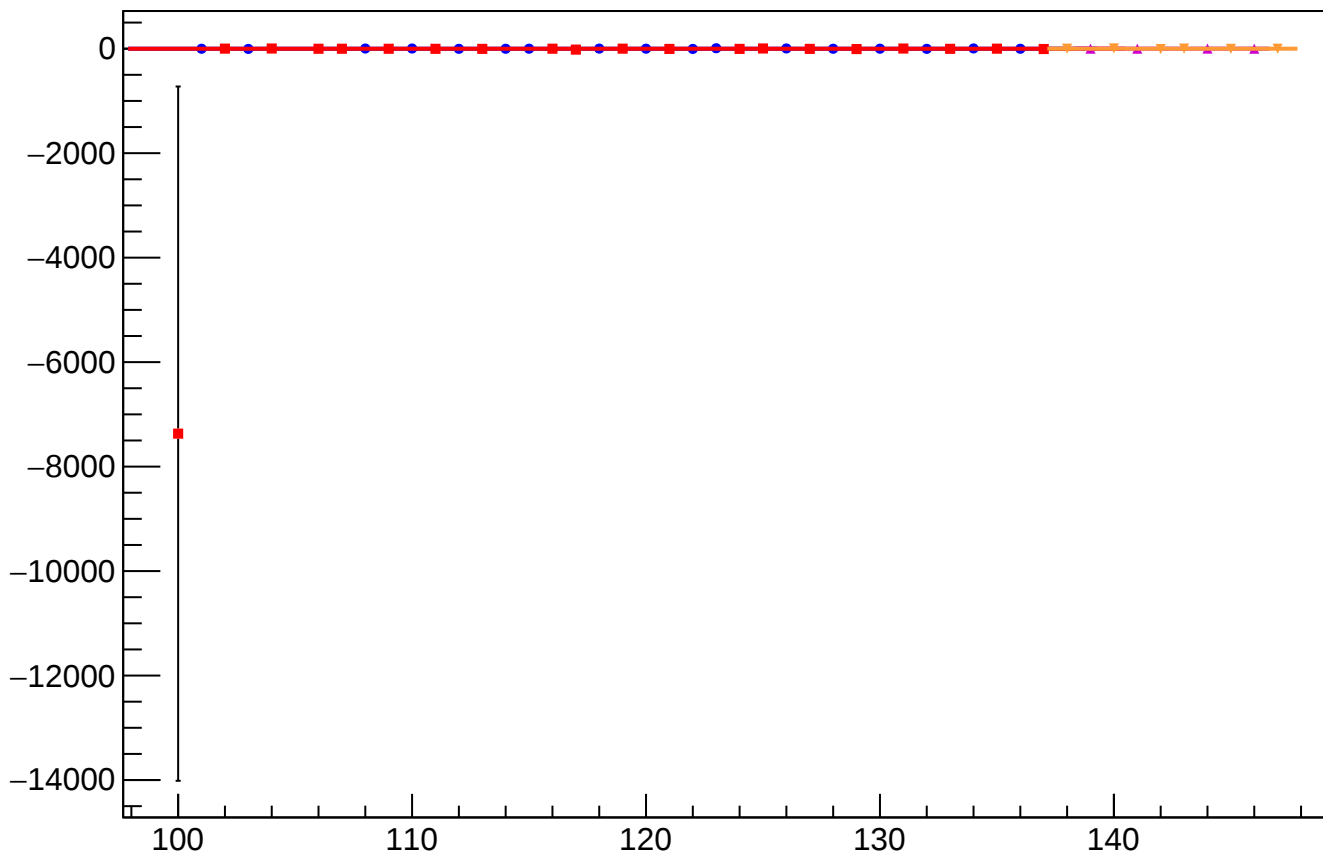
Left In: 138.348 $\pm$ 0.054 χ^2 /NDF: 9.6/3

124.392 $\pm$ 0.027 χ^2 /NDF: 789009.3/22

126.385 $\pm$ 0.020 χ^2 /NDF: 1415794.5/46

128.587 $\pm$ 0.029 χ^2 /NDF: 615494.8/23

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.133+/-1.173 χ^2/NDF : 8.5/5

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

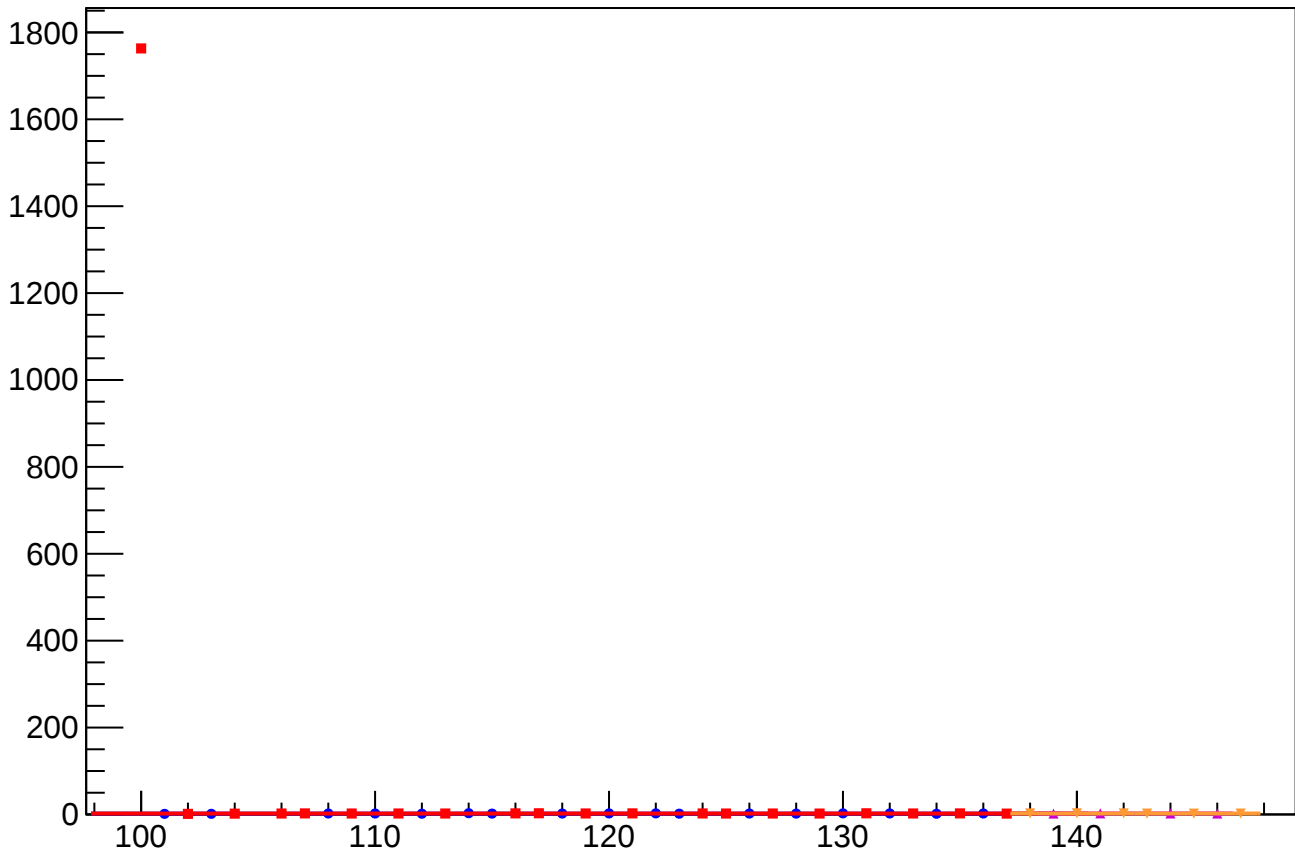
Left In: 0.657+/-1.352 χ^2/NDF : 0.3/3

-0.428+/-0.666 χ^2/NDF : 21.5/22

-0.382+/-0.489 χ^2/NDF : 37.8/46

-0.330+/-0.719 χ^2/NDF : 16.4/23

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.188 $\pm$ 0.001 χ^2 /NDF: 94244.1/5

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

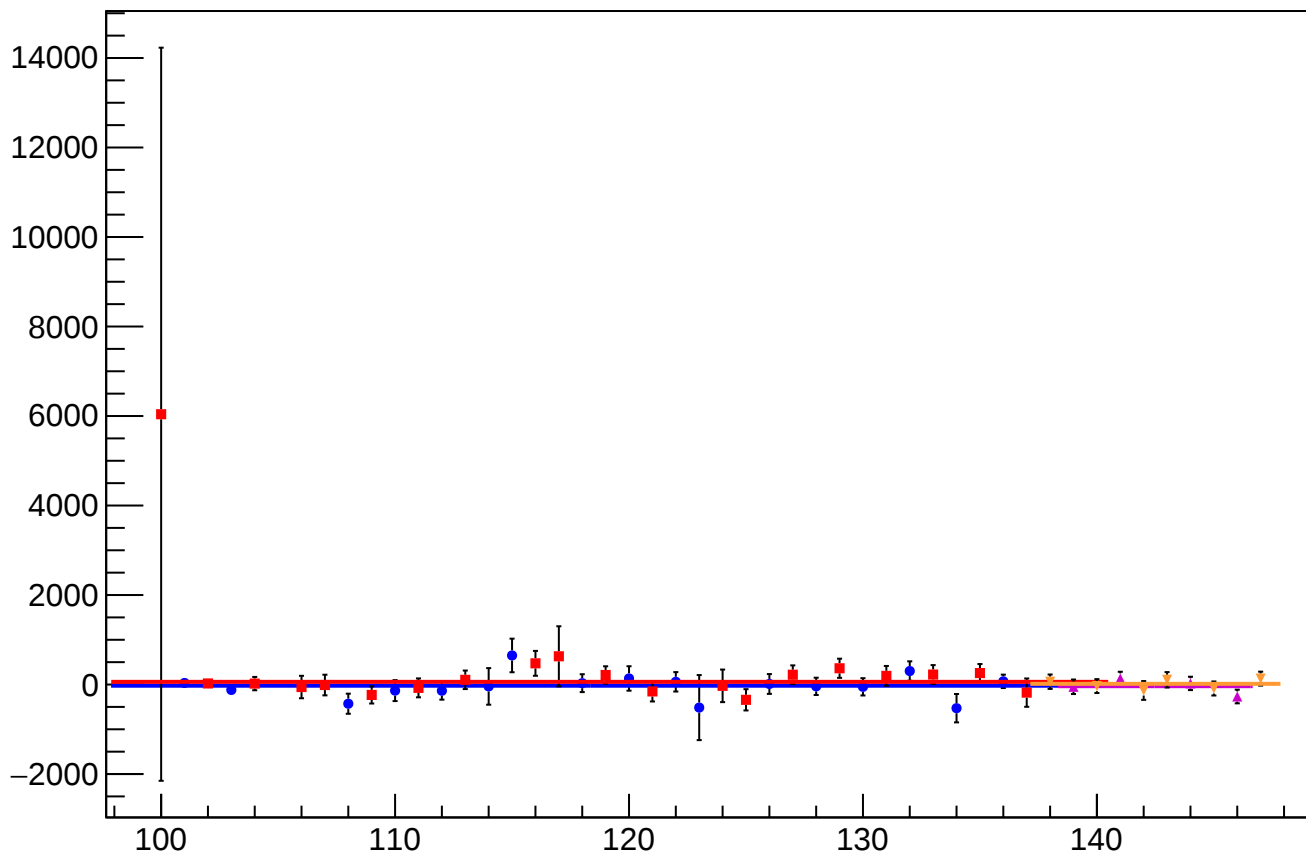
Left In: 2.235 $\pm$ 0.001 χ^2 /NDF: 30094.2/3

1.972 $\pm$ 0.000 χ^2 /NDF: 687656.3/22

2.038 $\pm$ 0.000 χ^2 /NDF: 1312275.1/46

2.115 $\pm$ 0.001 χ^2 /NDF: 582227.4/23

asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.258 $\pm$ 46.789 χ^2/NDF : 14.4/16

Left Out: 15.659 $\pm$ 67.716 χ^2/NDF : 2.0/5

Right Out: 60.159 $\pm$ 47.602 χ^2/NDF : 16.2/19

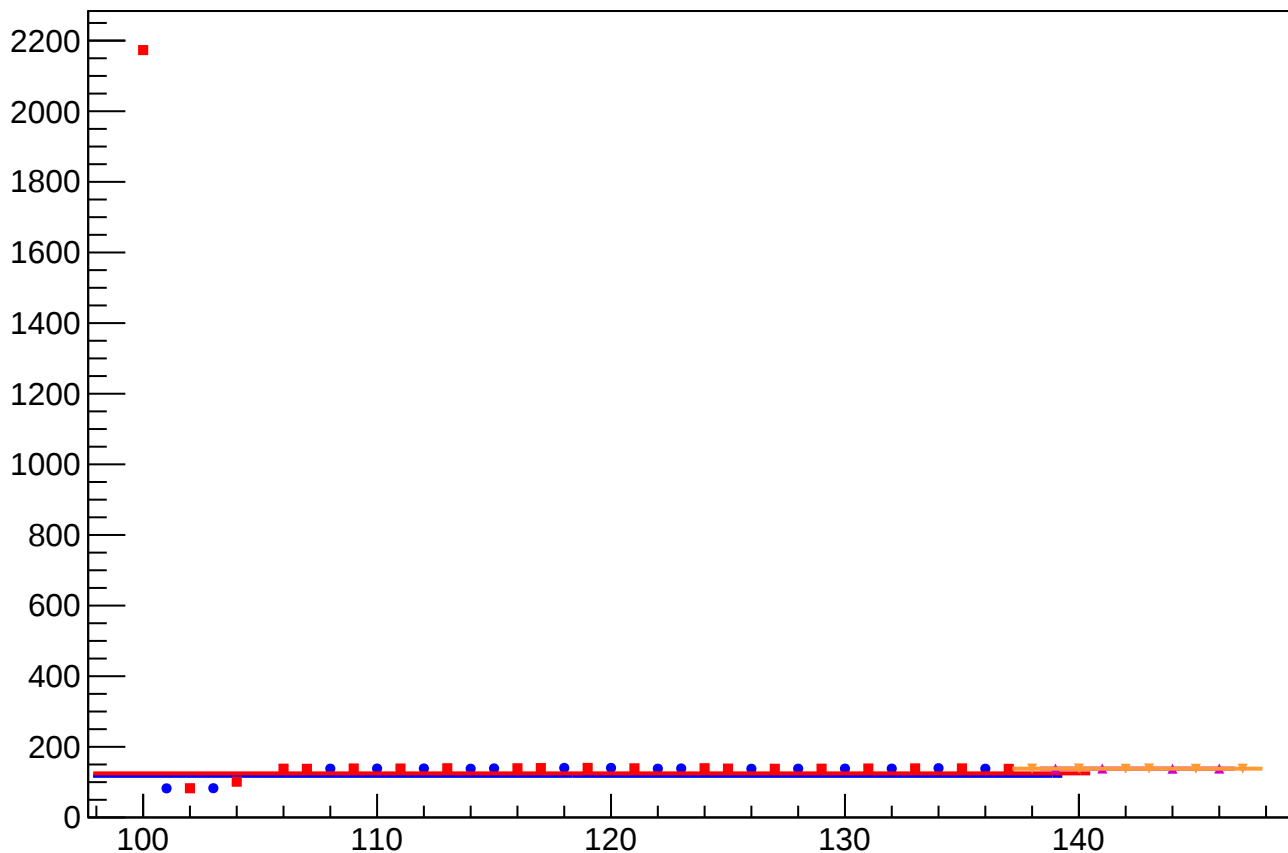
Left In: -36.754 $\pm$ 76.812 χ^2/NDF : 3.7/3

-12.713 $\pm$ 38.494 χ^2/NDF : 16.6/22

9.132 $\pm$ 27.889 χ^2/NDF : 38.4/46

33.267 $\pm$ 40.462 χ^2/NDF : 21.1/23

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.206 $\pm$ 0.048 χ^2 /NDF: 55.6/5

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

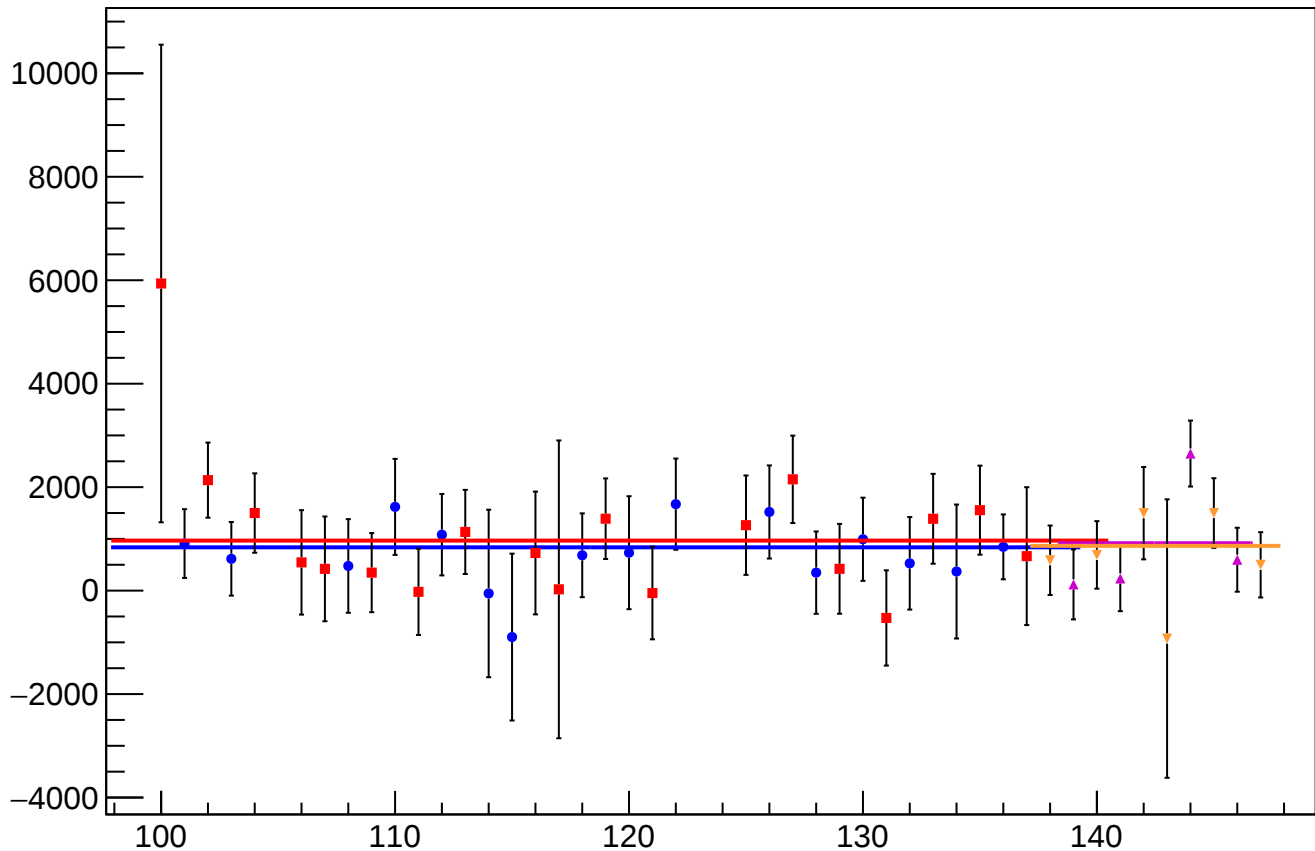
Left In: 138.385 $\pm$ 0.054 χ^2 /NDF: 9.8/3

124.426 $\pm$ 0.027 χ^2 /NDF: 789047.2/22

126.404 $\pm$ 0.020 χ^2 /NDF: 1426535.2/46

128.590 $\pm$ 0.029 χ^2 /NDF: 626369.7/23

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 837.048 ± 216.181 χ^2/NDF : 4.7/15

Left Out: 865.035 ± 306.065 χ^2/NDF : 2.4/5

Right Out: 967.277 ± 212.168 χ^2/NDF : 14.4/18

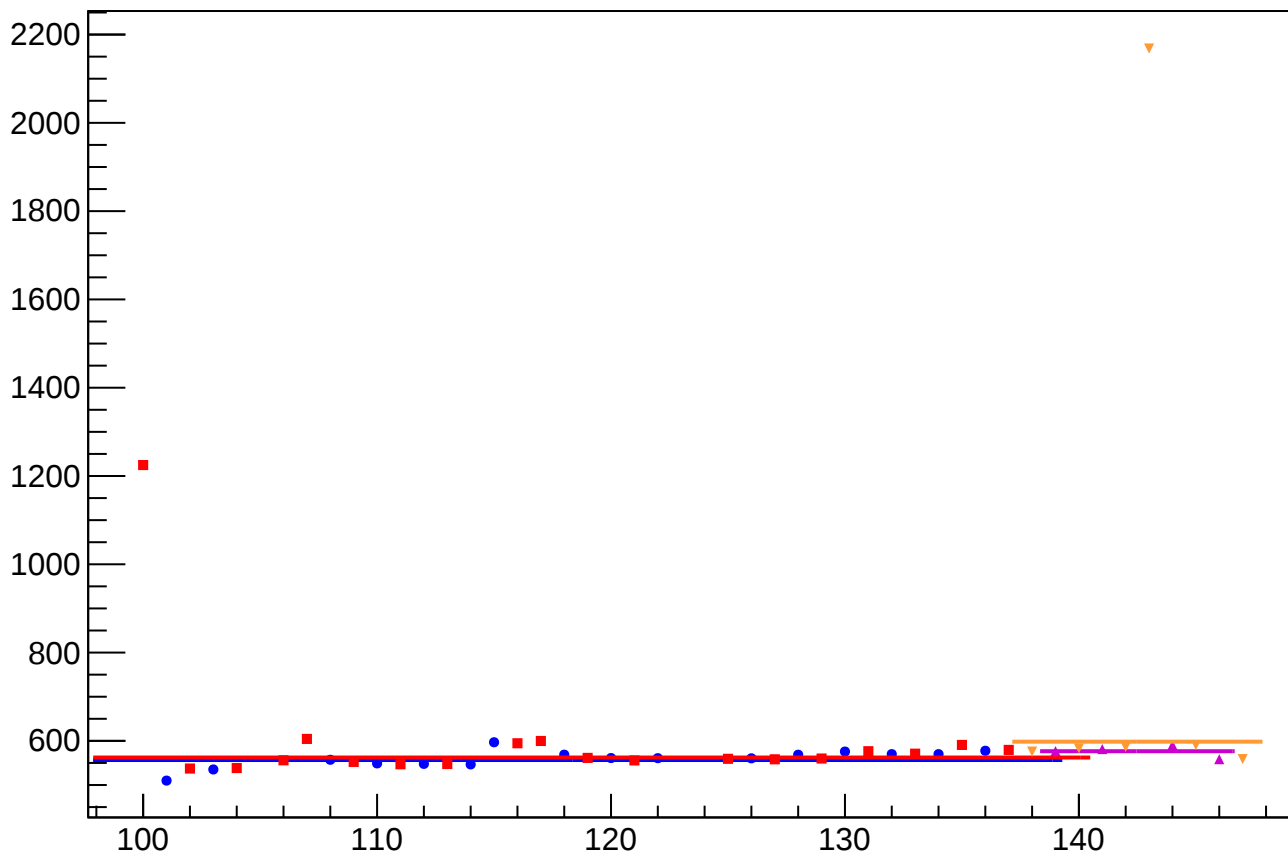
Left In: 915.469 ± 320.076 χ^2/NDF : 10.2/3

846.363 ± 176.576 χ^2/NDF : 7.1/21

898.833 ± 124.953 χ^2/NDF : 31.9/44

951.462 ± 176.844 χ^2/NDF : 24.6/22

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 598.158 $\pm$ 0.216 χ^2 /NDF: 692278.5/5

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

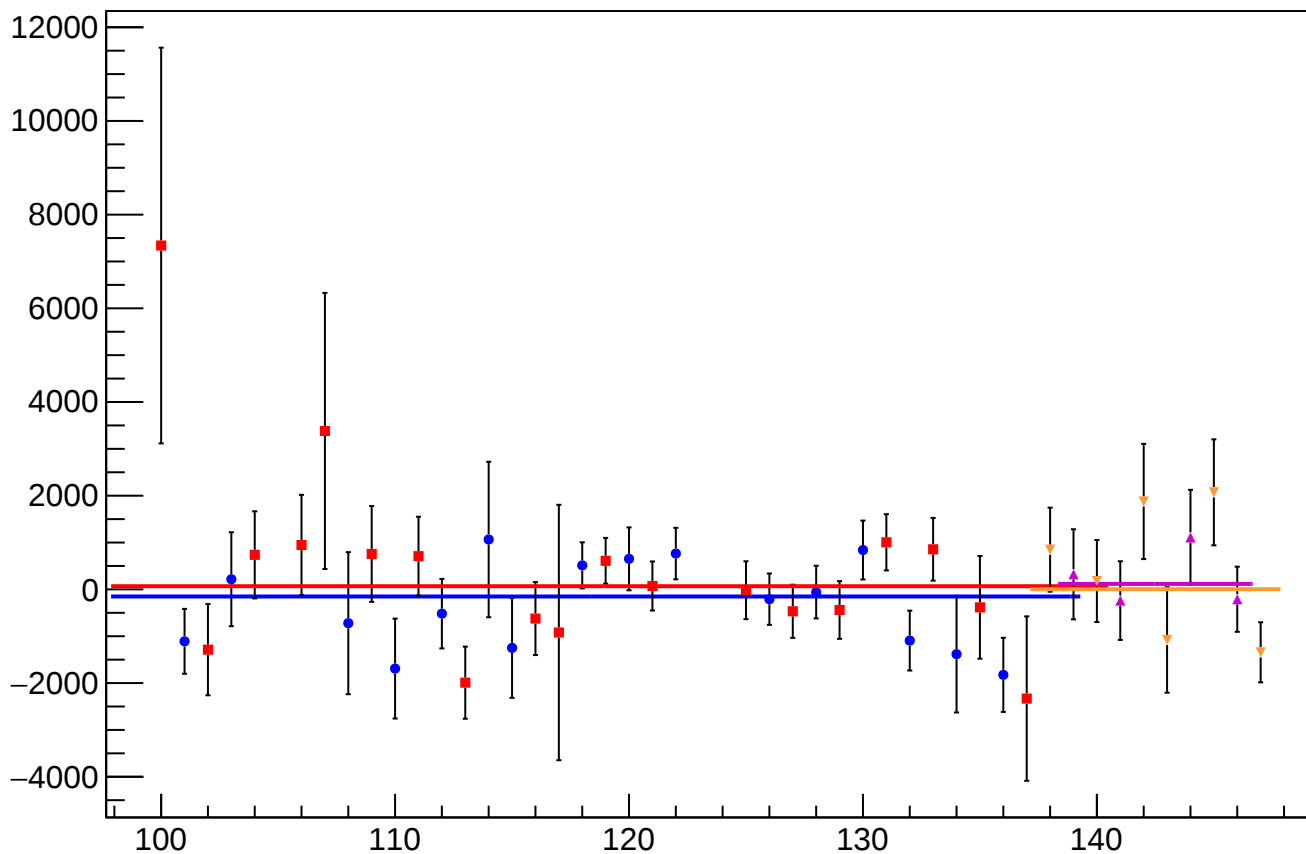
Left In: 576.547 $\pm$ 0.226 χ^2 /NDF: 2786.5/3

570.457 $\pm$ 0.125 χ^2 /NDF: 735226.5/21

568.540 $\pm$ 0.088 χ^2 /NDF: 797173.1/44

566.616 $\pm$ 0.125 χ^2 /NDF: 61474.1/22

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 3.739 ± 372.394 χ^2/NDF : 11.9/5

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

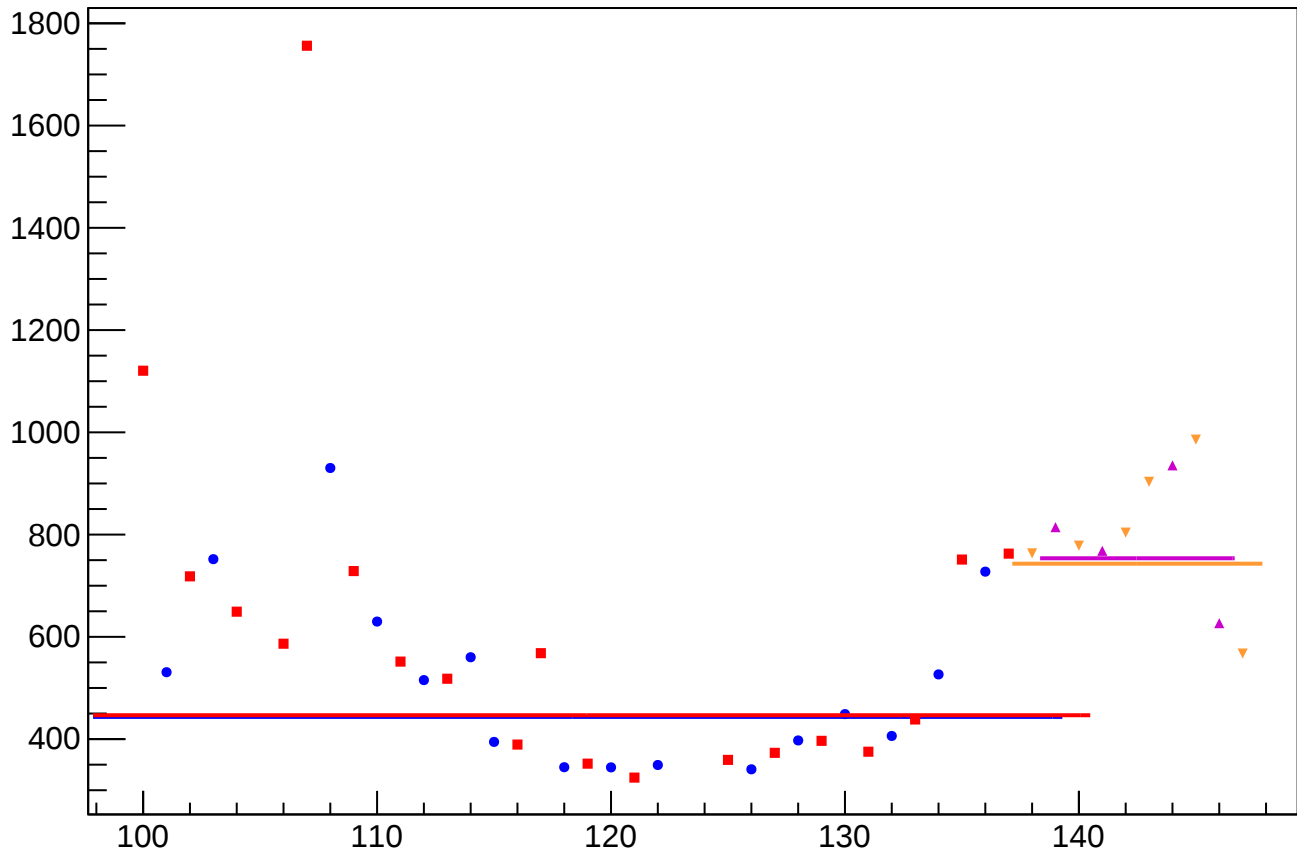
Left In: 117.134 ± 424.933 χ^2/NDF : 1.4/3

-122.384 ± 162.118 χ^2/NDF : 34.4/21

-25.099 ± 115.433 χ^2/NDF : 61.7/44

74.943 ± 164.400 χ^2/NDF : 26.6/22

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 743.089+/-0.263 χ^2/NDF : 291886.7/5

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

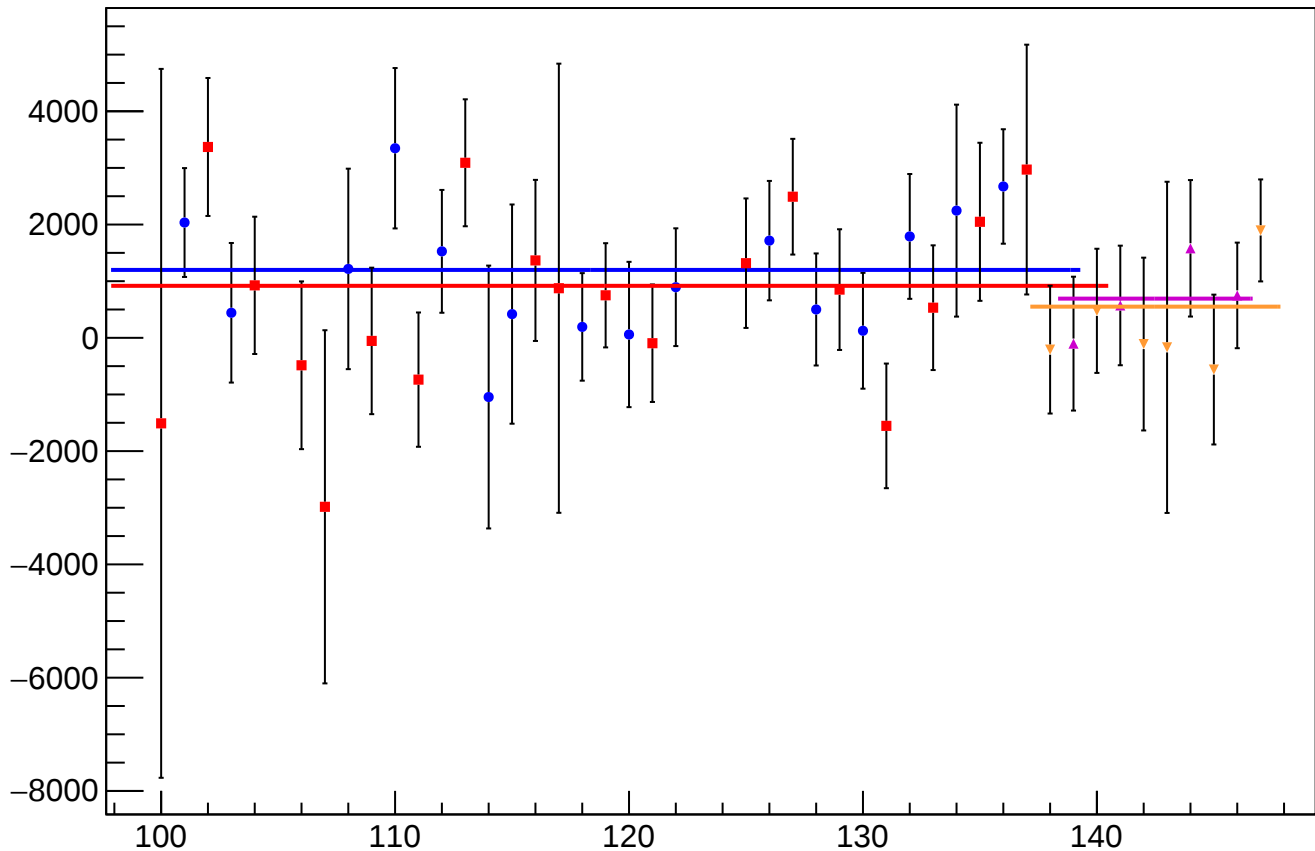
Left In: 753.674+/-0.300 χ^2/NDF : 139353.9/3

500.239+/-0.115 χ^2/NDF : 2402274.8/21

496.483+/-0.082 χ^2/NDF : 4895476.1/44

492.621+/-0.116 χ^2/NDF : 2491023.9/22

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1198.972 ± 295.243 $\chi^2/\text{NDF}: 11.2/15$

Left Out: 550.549 ± 501.872 $\chi^2/\text{NDF}: 3.6/5$

Right Out: 918.180 ± 292.495 $\chi^2/\text{NDF}: 23.2/18$

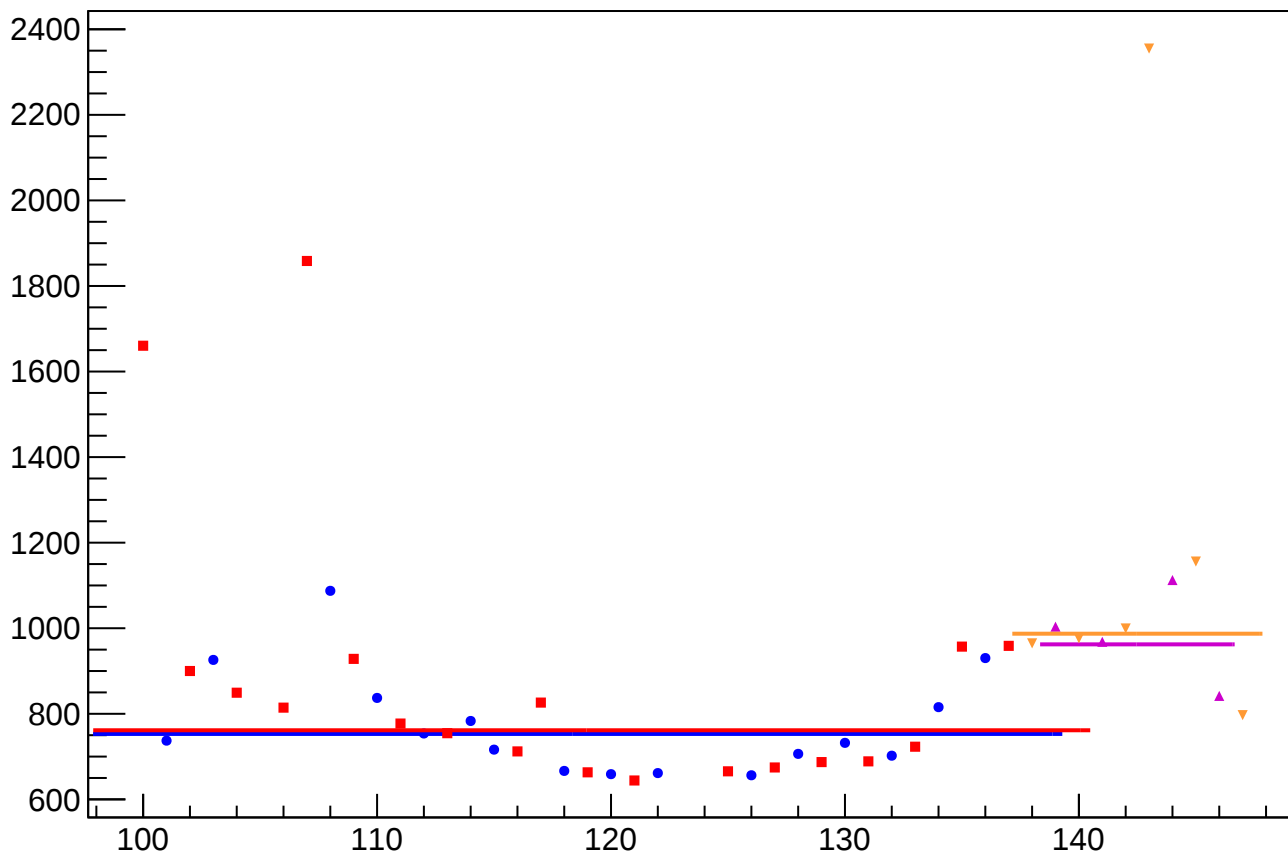
Left In: 692.149 ± 538.130 $\chi^2/\text{NDF}: 1.0/3$

1032.262 ± 254.475 $\chi^2/\text{NDF}: 16.1/21$

950.260 ± 180.822 $\chi^2/\text{NDF}: 40.7/44$

866.631 ± 256.987 $\chi^2/\text{NDF}: 24.4/22$

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 987.221 $\pm$ 0.355 χ^2/NDF : 560788.6/5

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

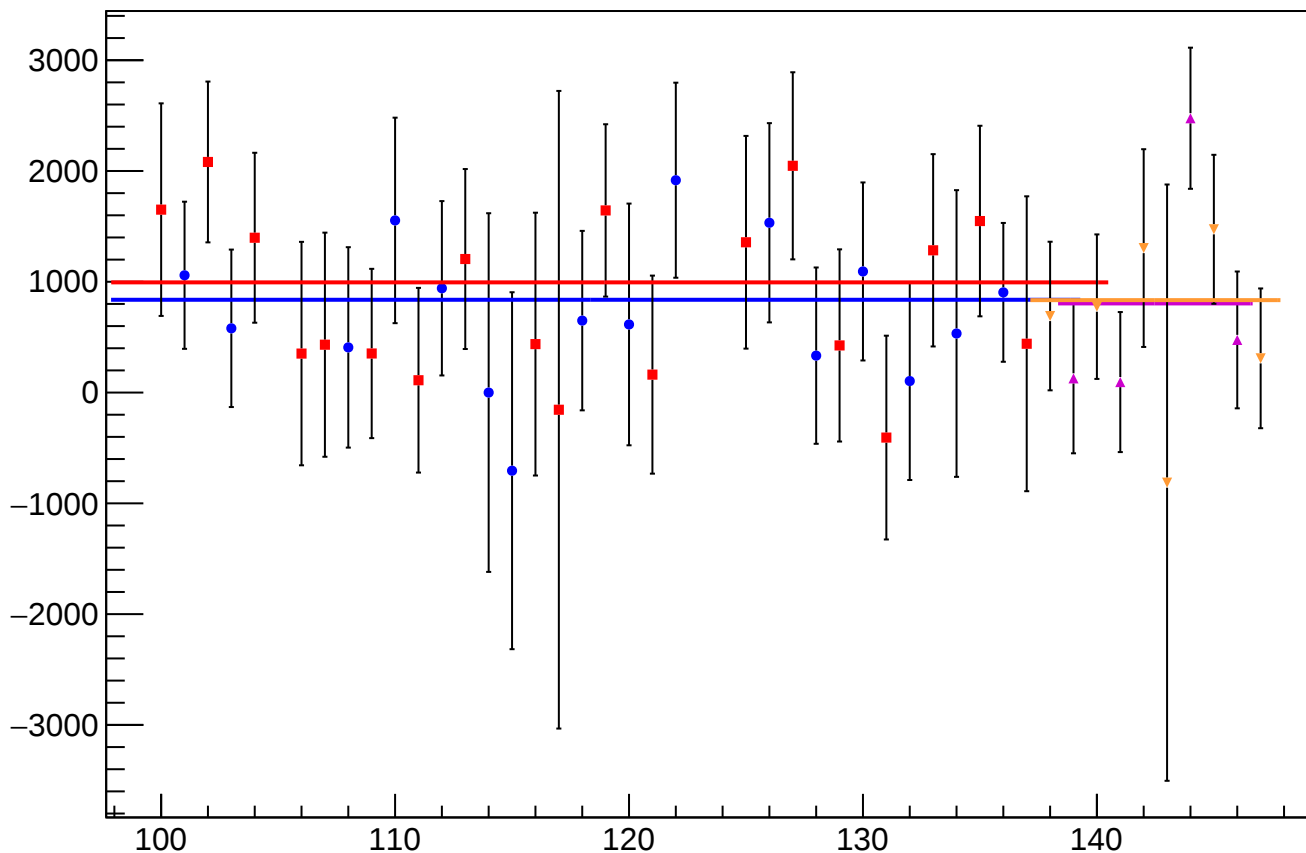
Left In: 962.323 $\pm$ 0.381 χ^2/NDF : 67054.9/3

813.172 $\pm$ 0.180 χ^2/NDF : 1137101.4/21

810.270 $\pm$ 0.128 χ^2/NDF : 1937336.6/44

807.310 $\pm$ 0.182 χ^2/NDF : 799709.9/22

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 834.278 $\pm$ 305.803 χ^2 /NDF: 2.3/5

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

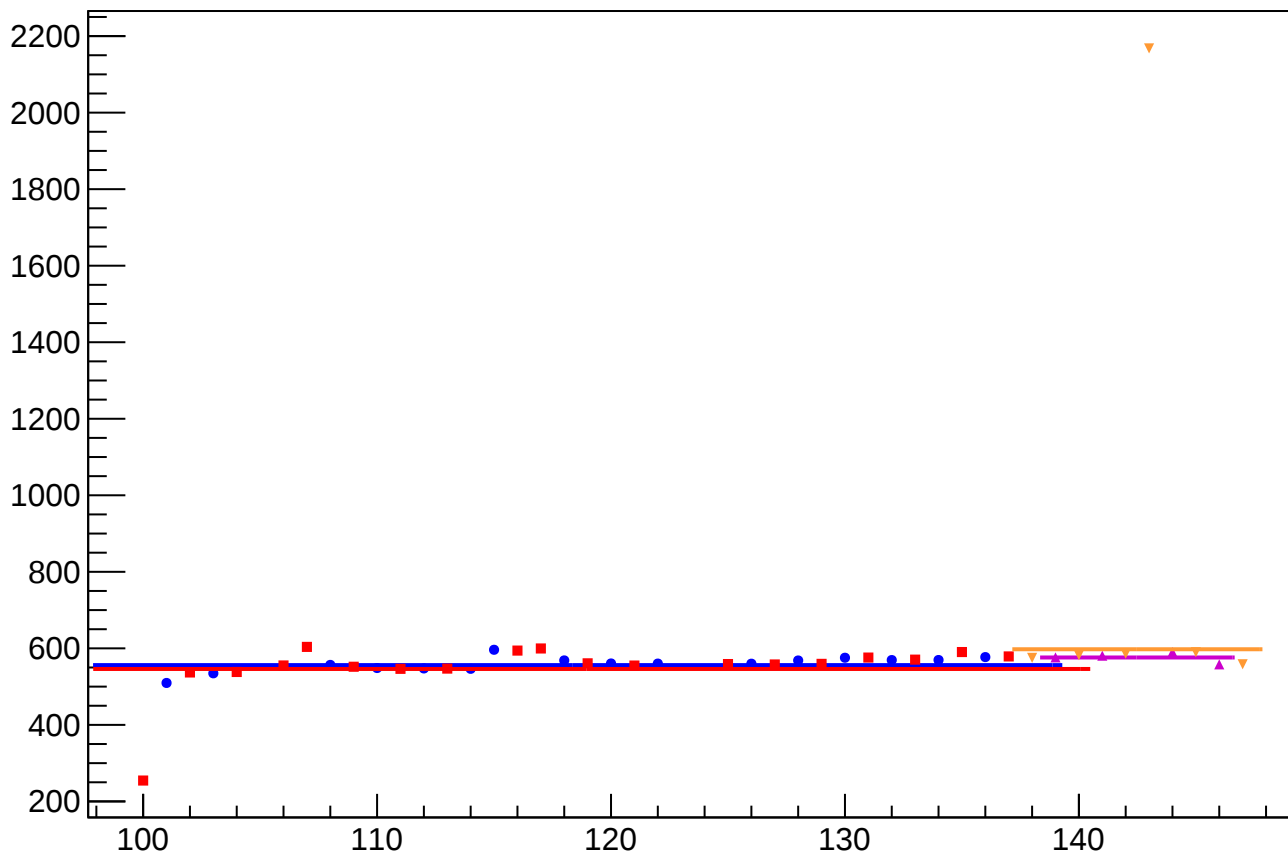
Left In: 804.612 $\pm$ 319.840 χ^2 /NDF: 9.4/3

836.466 $\pm$ 176.436 χ^2 /NDF: 8.0/21

888.196 $\pm$ 123.854 χ^2 /NDF: 30.5/44

938.452 $\pm$ 173.903 χ^2 /NDF: 22.4/22

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 597.636+/-0.216 χ^2/NDF :692555.9/5

Right Out: 546.124+/-0.147 χ^2/NDF : 208336.6/18

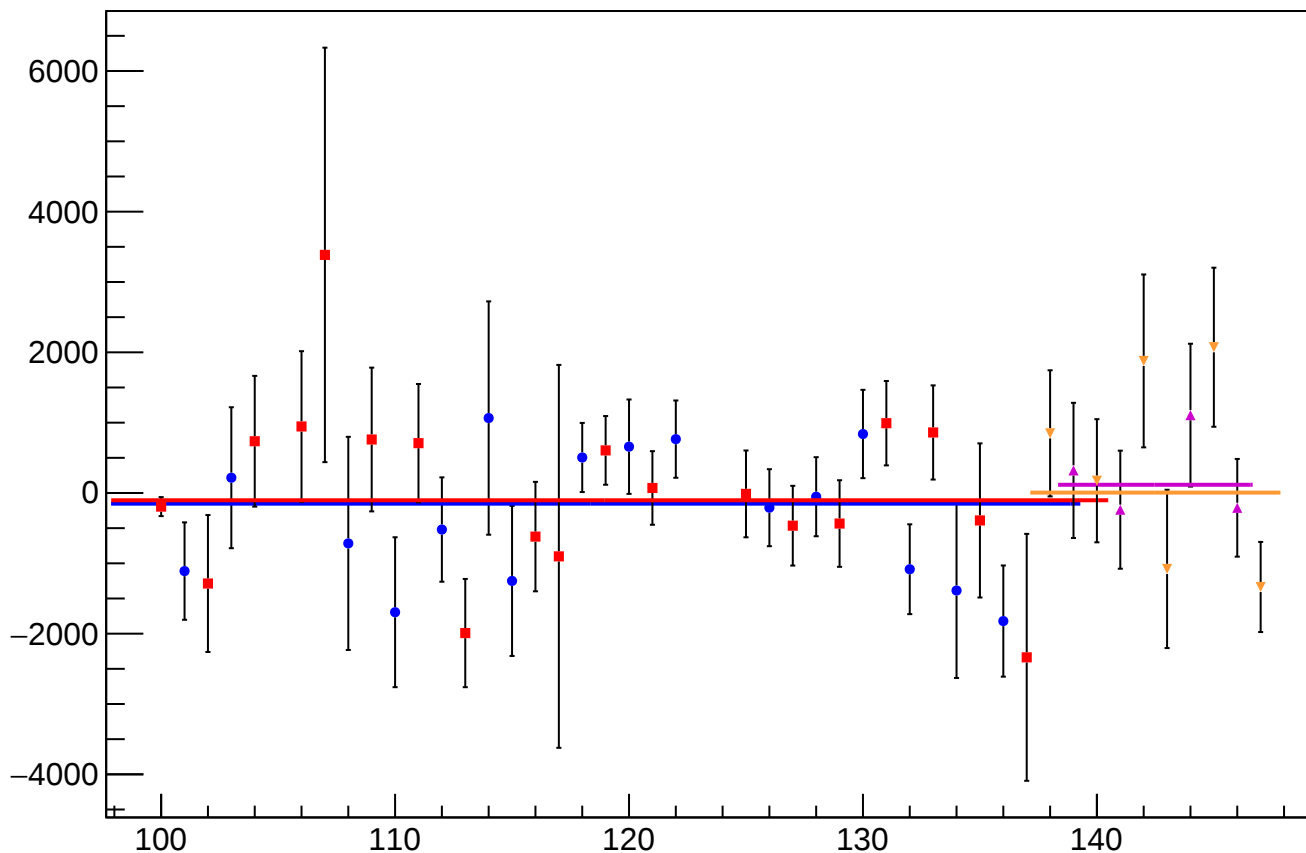
Left In: 576.122+/-0.226 χ^2/NDF :2783.4/3

570.000+/-0.125 χ^2/NDF : 735457.3/21

562.387+/-0.088 χ^2/NDF : 966309.7/44

554.992+/-0.123 χ^2/NDF : 223512.3/22

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 5.559+/-372.232 χ^2/NDF : 11.9/5

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

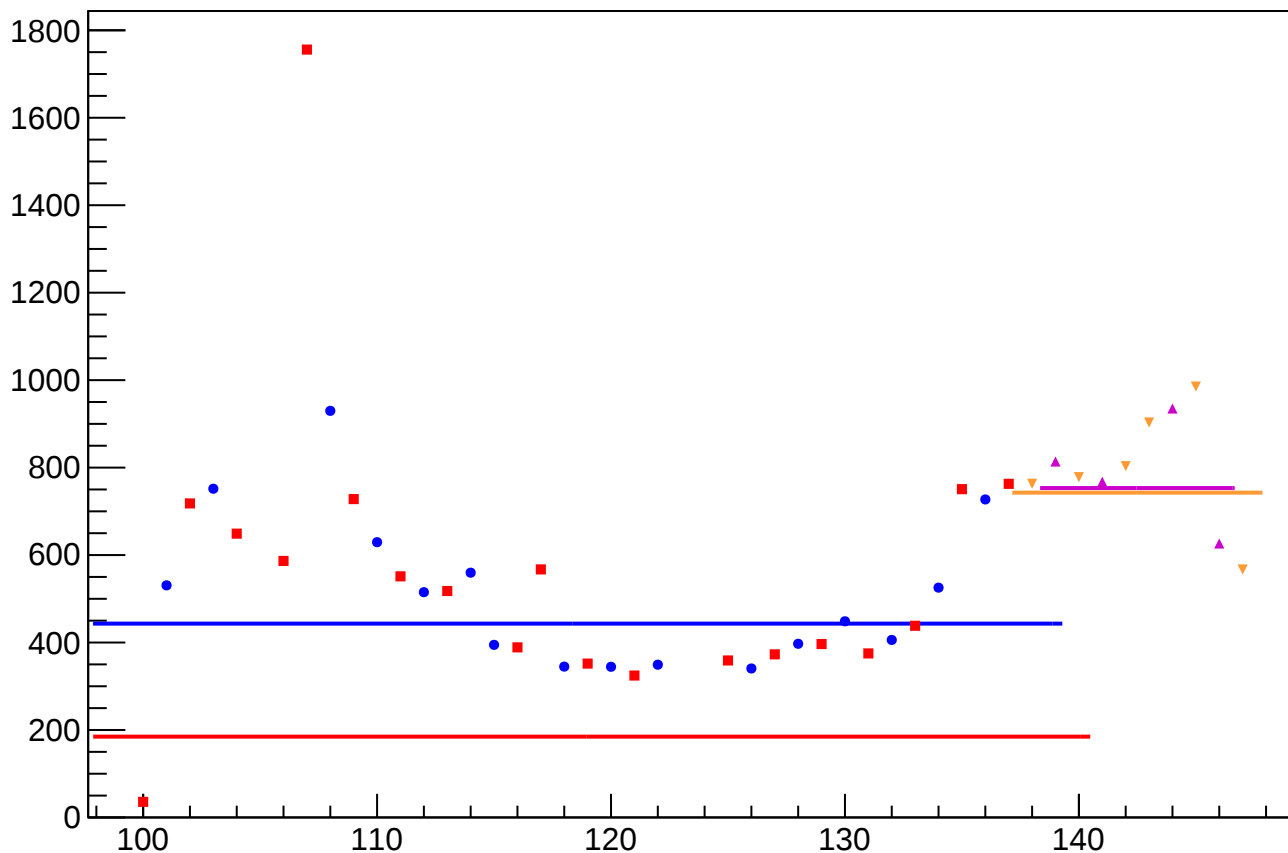
Left In: 116.849+/-424.695 χ^2/NDF : 1.4/3

-121.703+/-162.041 χ^2/NDF : 34.3/21

-99.320+/-87.718 χ^2/NDF : 59.3/44

-90.042+/-104.325 χ^2/NDF : 25.0/22

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 742.750+/-0.263 χ^2/NDF : 292237.1/5

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

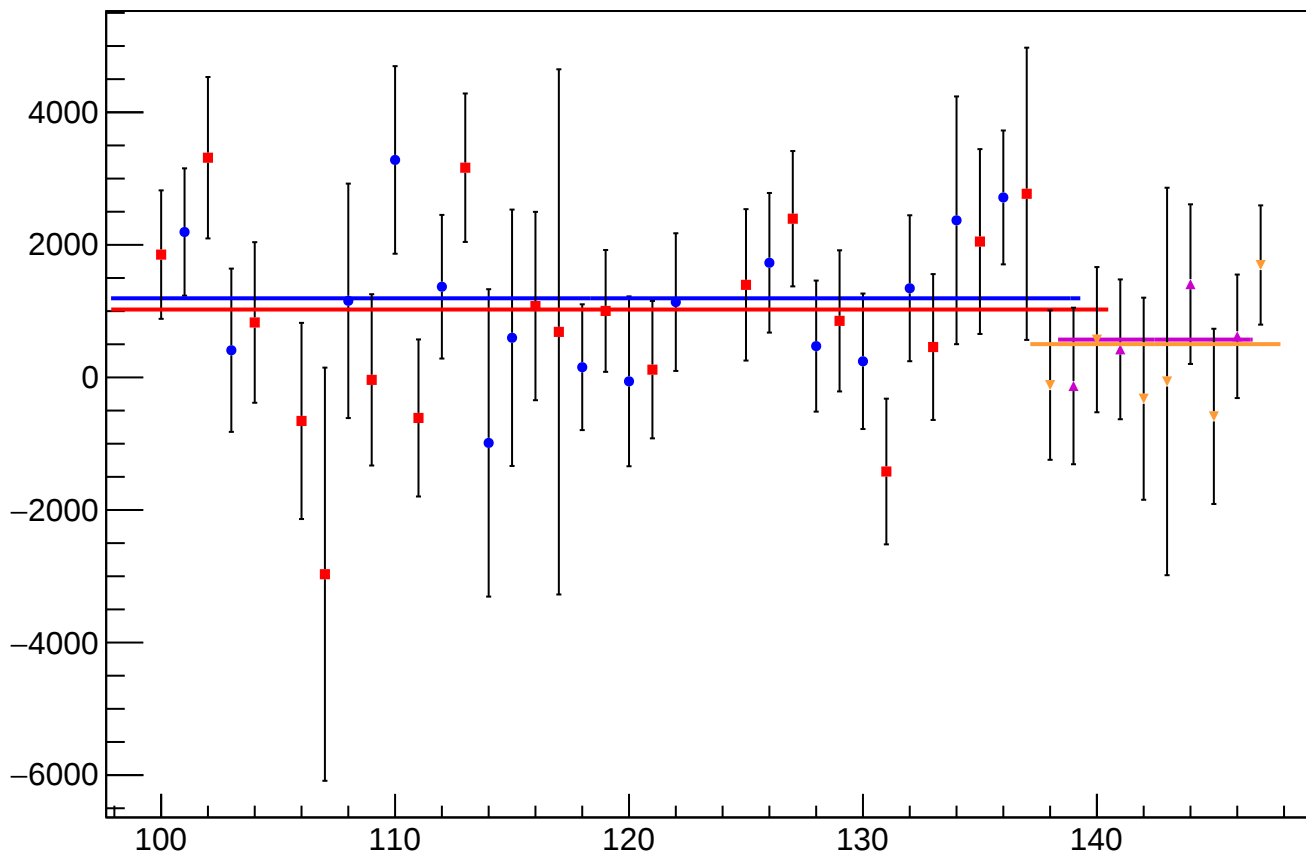
Left In: 753.252+/-0.300 χ^2/NDF : 139321.9/3

499.999+/-0.115 χ^2/NDF : 2402507.2/21

301.425+/-0.062 χ^2/NDF : 18276347.5/44

219.115+/-0.074 χ^2/NDF : 11625392.4/22

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1193.849 ± 295.046 χ^2/NDF : 11.2/15

Left Out: 502.504 ± 501.585 χ^2/NDF : 3.1/5

Right Out: 1024.435 ± 280.119 χ^2/NDF : 22.5/18

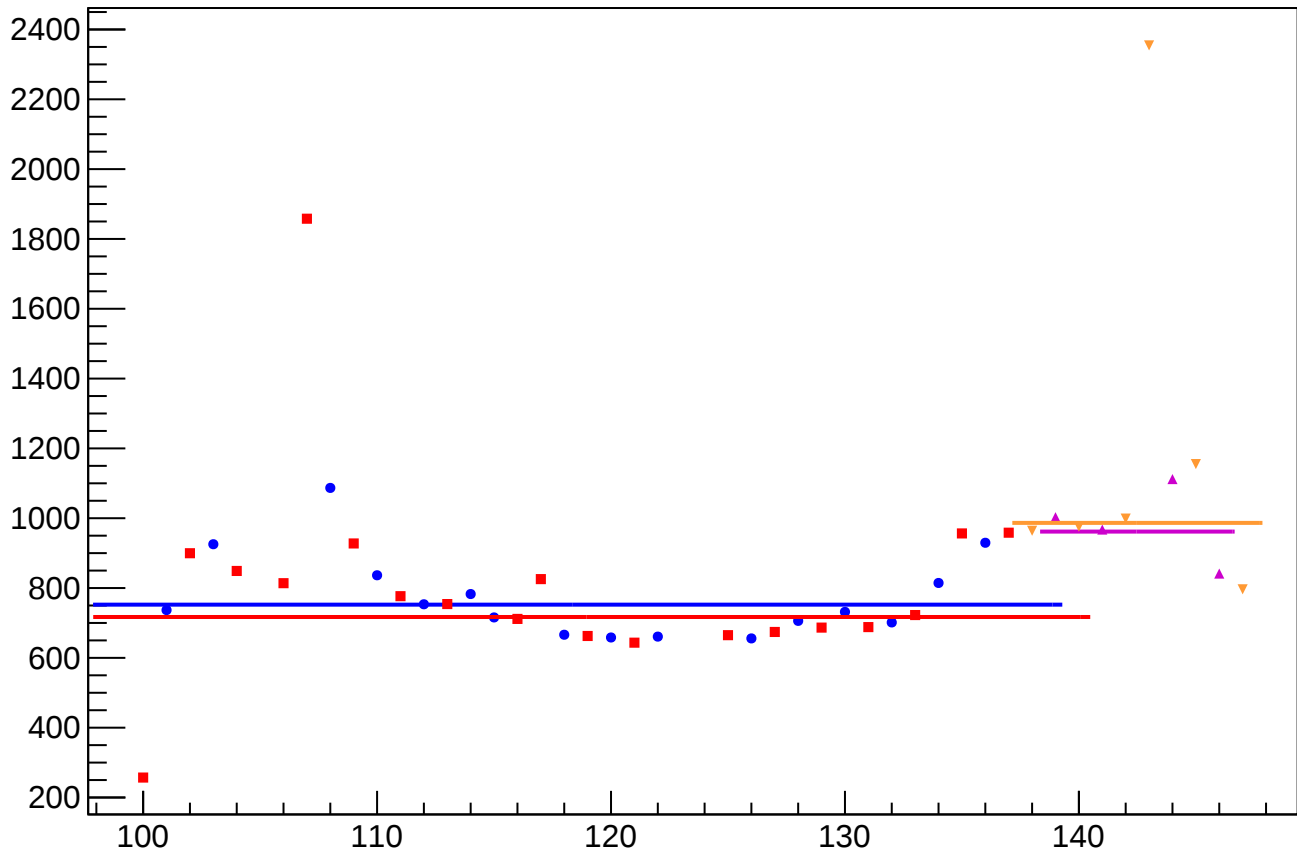
Left In: 570.859 ± 537.791 χ^2/NDF : 0.9/3

1016.129 ± 254.311 χ^2/NDF : 15.7/21

970.850 ± 177.712 χ^2/NDF : 39.7/44

927.639 ± 248.438 χ^2/NDF : 24.0/22

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 752.429 ± 0.209 $\chi^2/\text{NDF}: 252705.1/15$

Left Out: 986.643 ± 0.355 $\chi^2/\text{NDF}: 561004.9/5$

Right Out: 717.067 ± 0.198 $\chi^2/\text{NDF}: 968442.7/18$

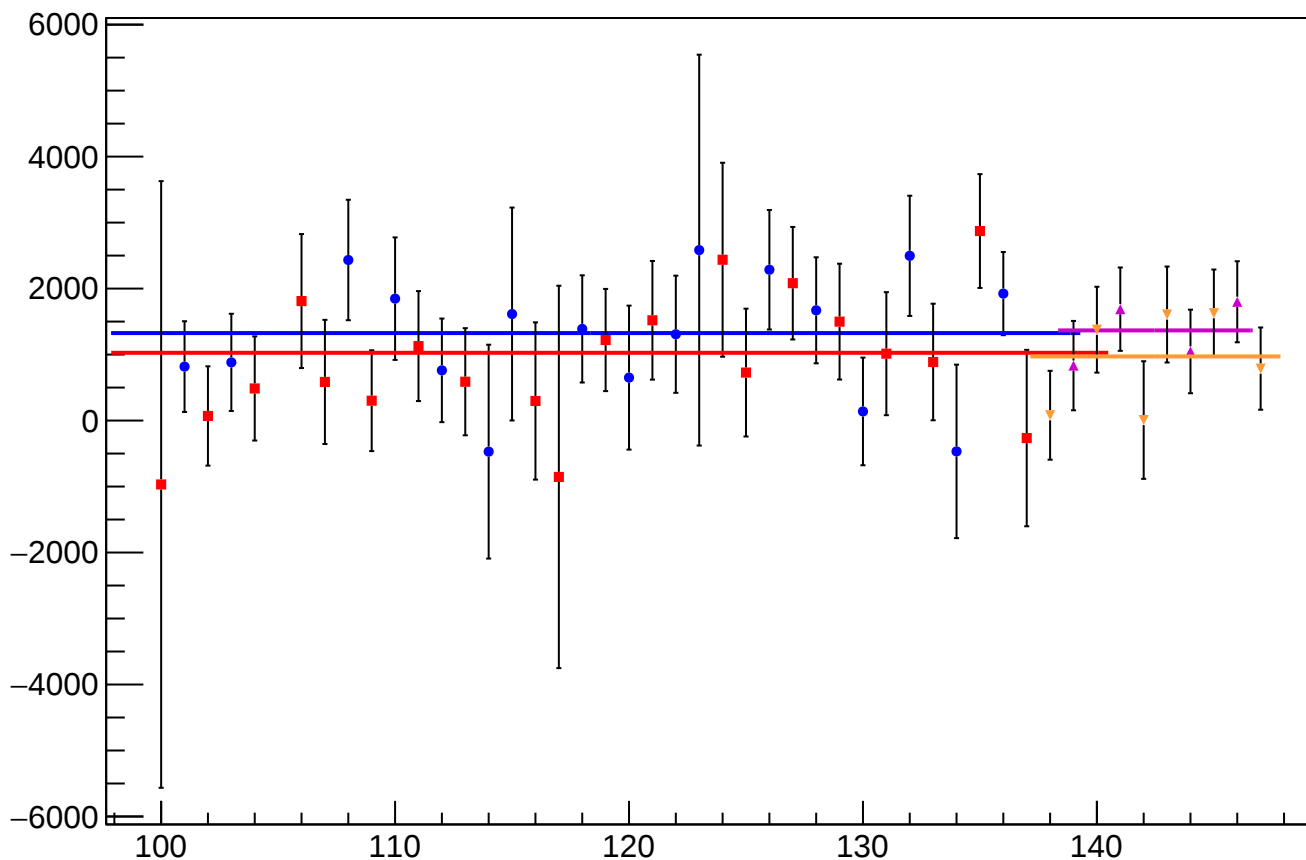
Left In: 961.715 ± 0.380 $\chi^2/\text{NDF}: 67036.4/3$

812.637 ± 0.180 $\chi^2/\text{NDF}: 1137691.5/21$

790.450 ± 0.126 $\chi^2/\text{NDF}: 2528482.2/44$

769.277 ± 0.176 $\chi^2/\text{NDF}: 1361041.5/22$

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 971.770 $\pm$ 281.969 χ^2 /NDF: 5.1/5

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

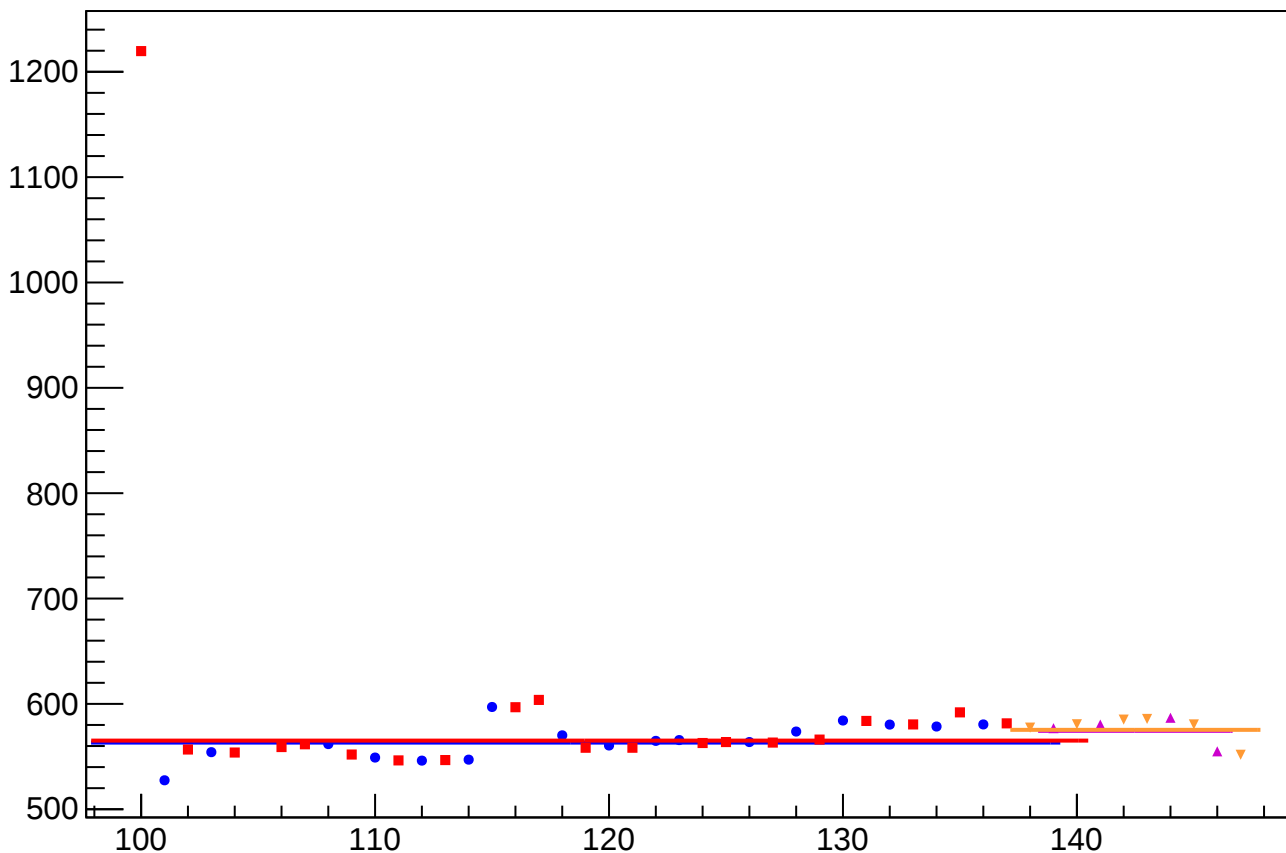
Left In: 1366.184 $\pm$ 318.894 χ^2 /NDF: 1.6/3

1193.257 $\pm$ 172.519 χ^2 /NDF: 19.0/22

1162.399 $\pm$ 123.195 χ^2 /NDF: 35.3/46

1130.290 $\pm$ 175.980 χ^2 /NDF: 16.3/23

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 575.354+/-0.199 χ^2/NDF : 3797.5/5

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

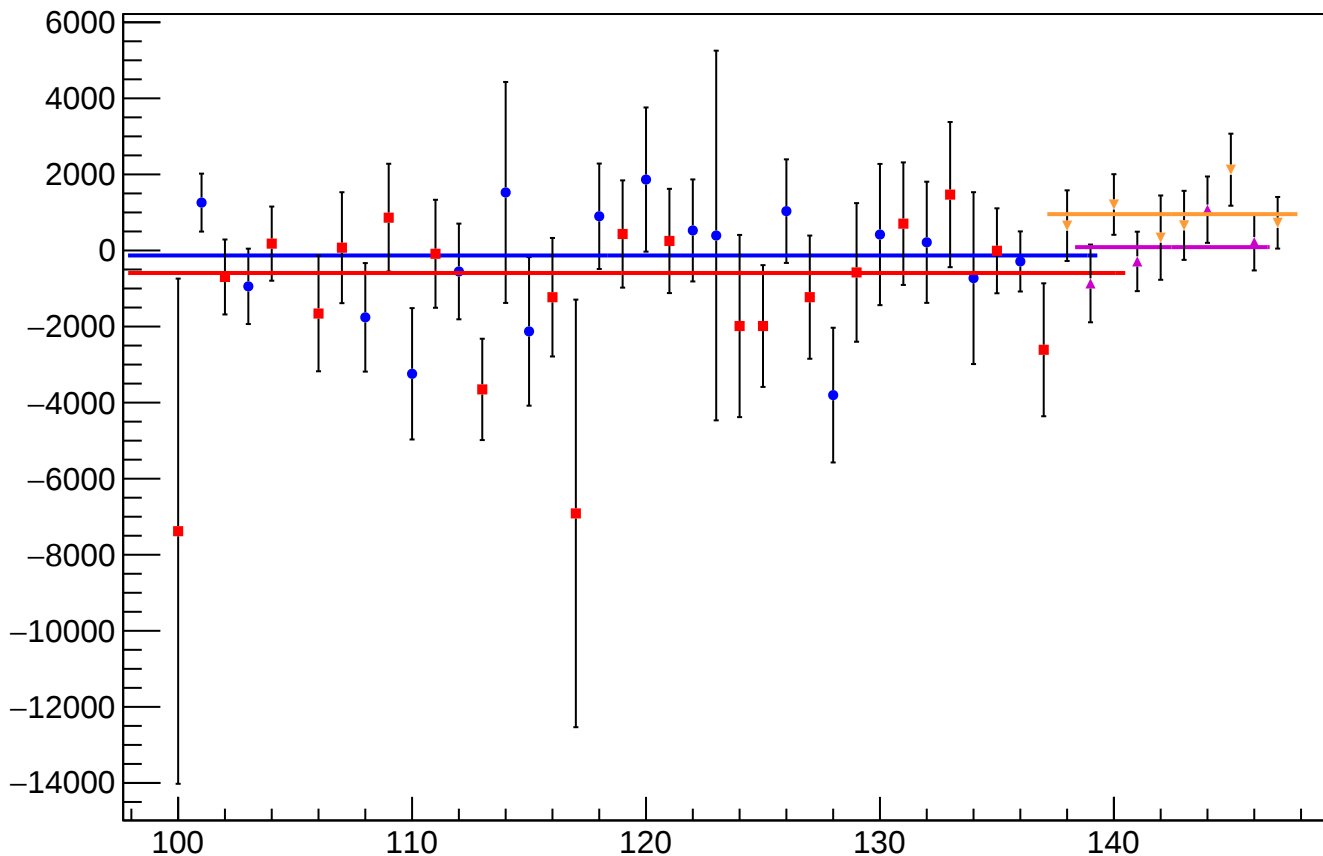
Left In: 574.410+/-0.225 χ^2/NDF : 2982.8/3

567.791+/-0.122 χ^2/NDF : 18617.8/22

567.879+/-0.087 χ^2/NDF : 72427.5/46

567.970+/-0.124 χ^2/NDF : 53808.7/23

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 955.242+/-352.487 χ^2 /NDF: 2.3/5

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

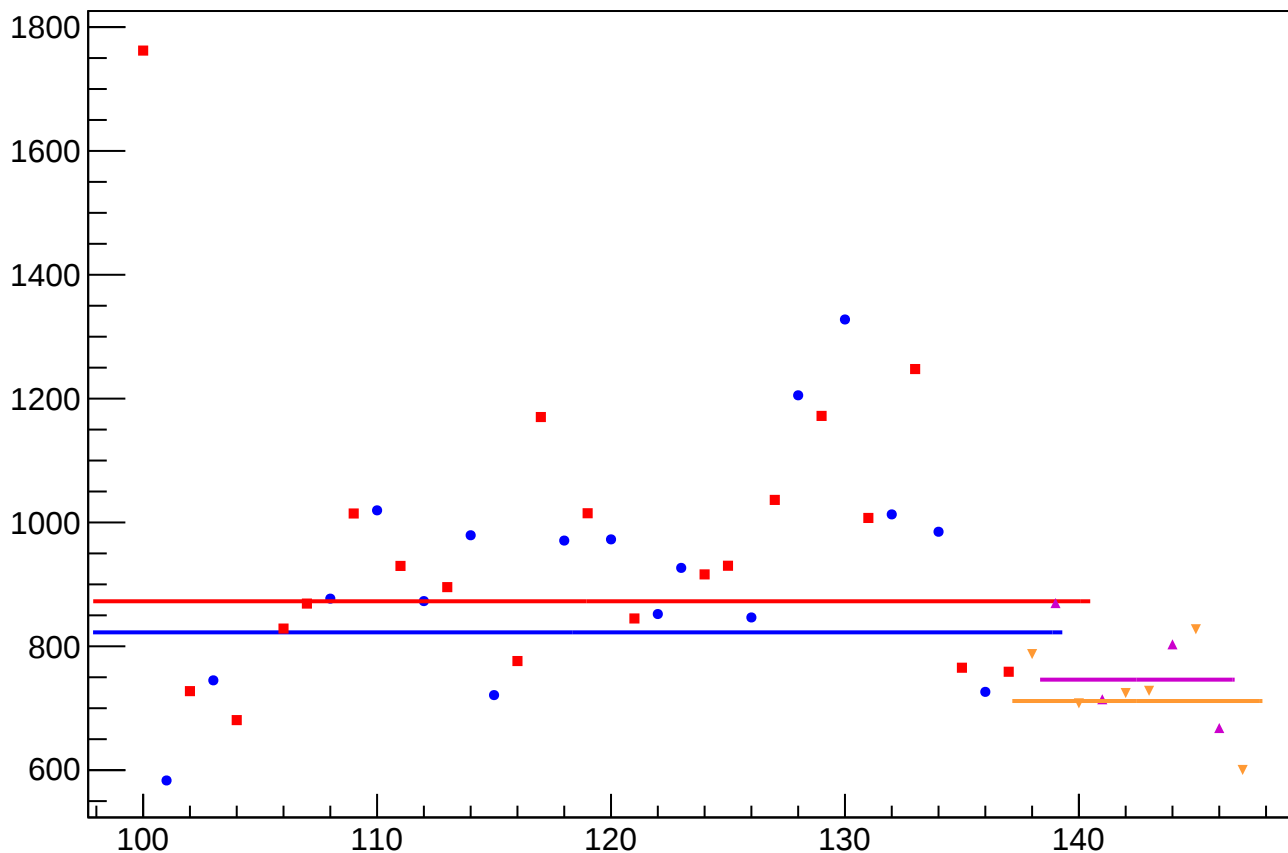
Left In: 88.164+/-417.963 χ^2 /NDF: 2.4/3

372.351+/-239.960 χ^2 /NDF: 24.6/22

49.581+/-176.300 χ^2 /NDF: 48.4/46

-329.008+/-259.882 χ^2 /NDF: 19.9/23

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 711.650 $\pm$ 0.249 χ^2/NDF : 98065.7/5

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

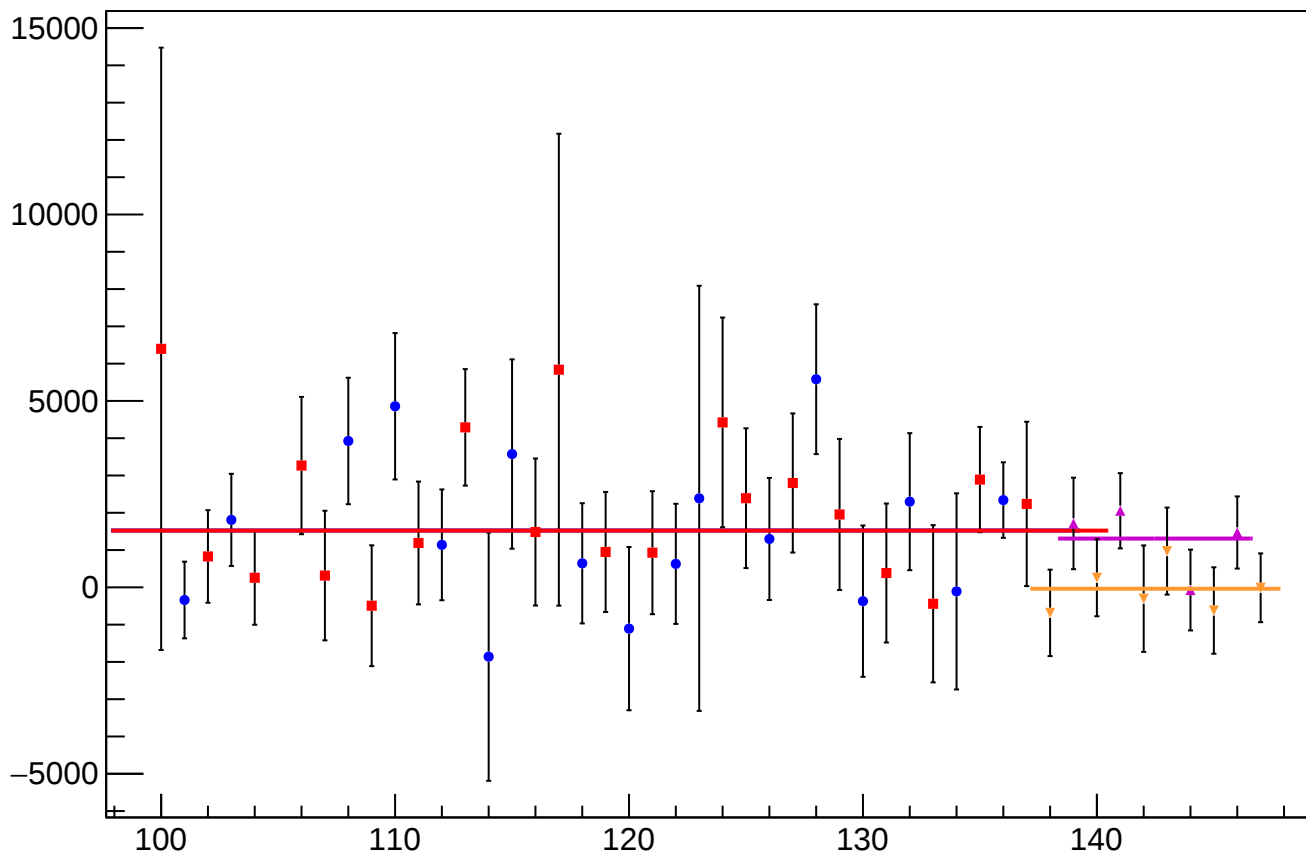
Left In: 746.146 $\pm$ 0.296 χ^2/NDF : 63261.0/3

771.143 $\pm$ 0.170 χ^2/NDF : 805202.0/22

795.369 $\pm$ 0.125 χ^2/NDF : 1437746.2/46

823.784 $\pm$ 0.184 χ^2/NDF : 588247.9/23

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: -37.347+/-455.262 χ^2/NDF : 1.4/5

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

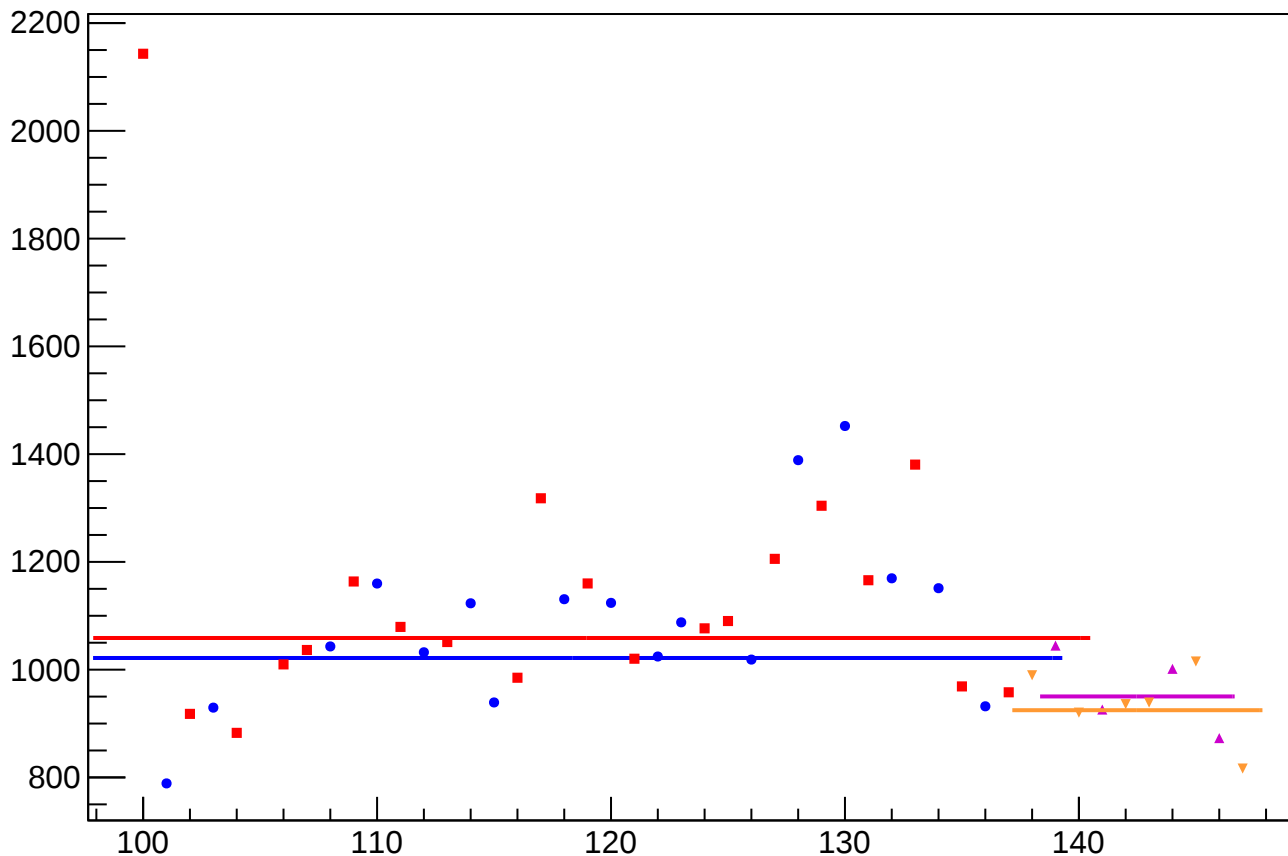
Left In: 1308.436+/-529.578 χ^2/NDF : 2.3/3

841.201+/-301.246 χ^2/NDF : 26.3/22

1125.780+/-218.941 χ^2/NDF : 43.2/46

1444.400+/-318.754 χ^2/NDF : 15.0/23

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1021.665 $\pm$ 0.284 χ^2/NDF : 331949.3/16

Left Out: 924.754 $\pm$ 0.322 χ^2/NDF : 46423.2/5

Right Out: 1058.783 $\pm$ 0.282 χ^2/NDF : 234314.8/19

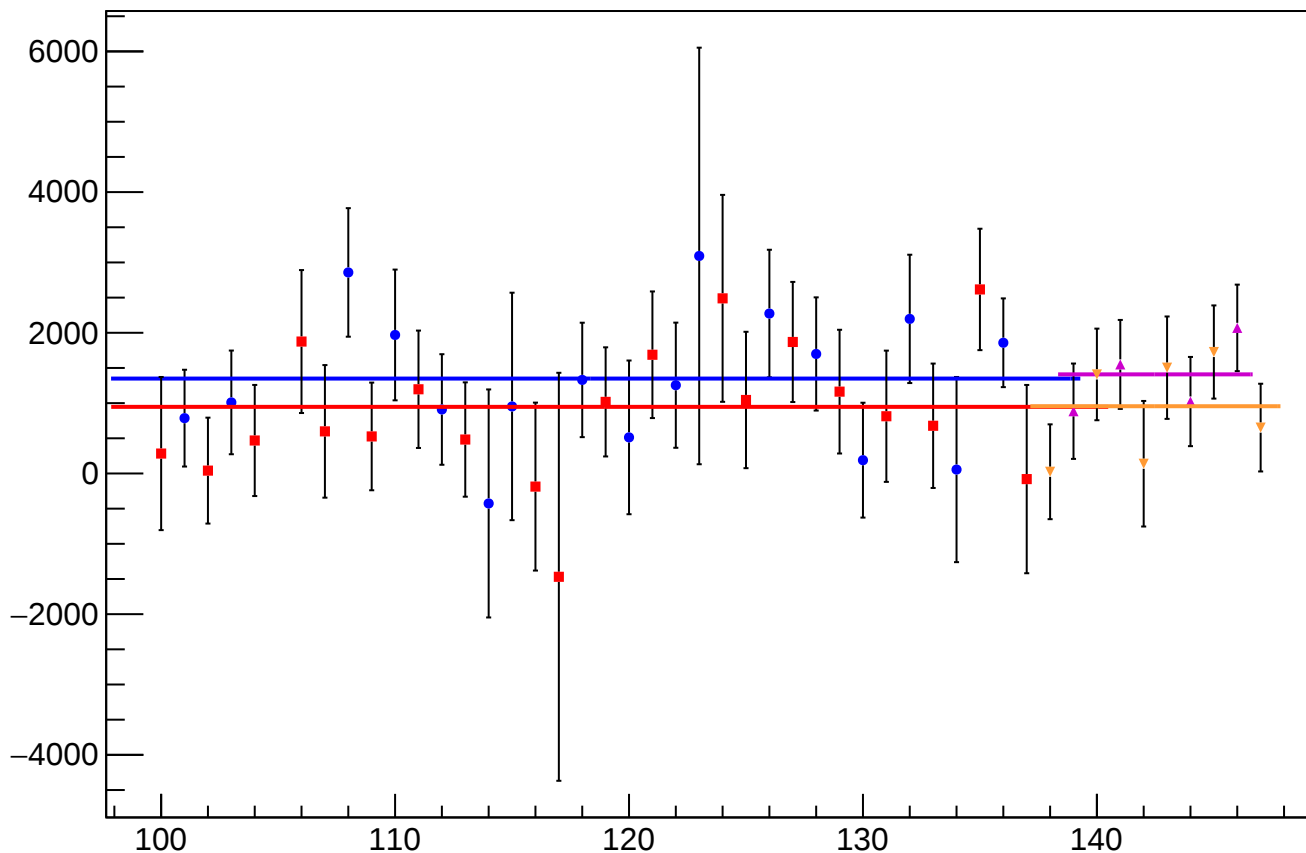
Left In: 950.293 $\pm$ 0.374 χ^2/NDF : 30240.7/3

979.233 $\pm$ 0.213 χ^2/NDF : 429317.7/22

998.220 $\pm$ 0.155 χ^2/NDF : 764241.2/46

1019.479 $\pm$ 0.225 χ^2/NDF : 318082.6/23

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 955.949 ± 282.240 χ^2/NDF : 5.4/5

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

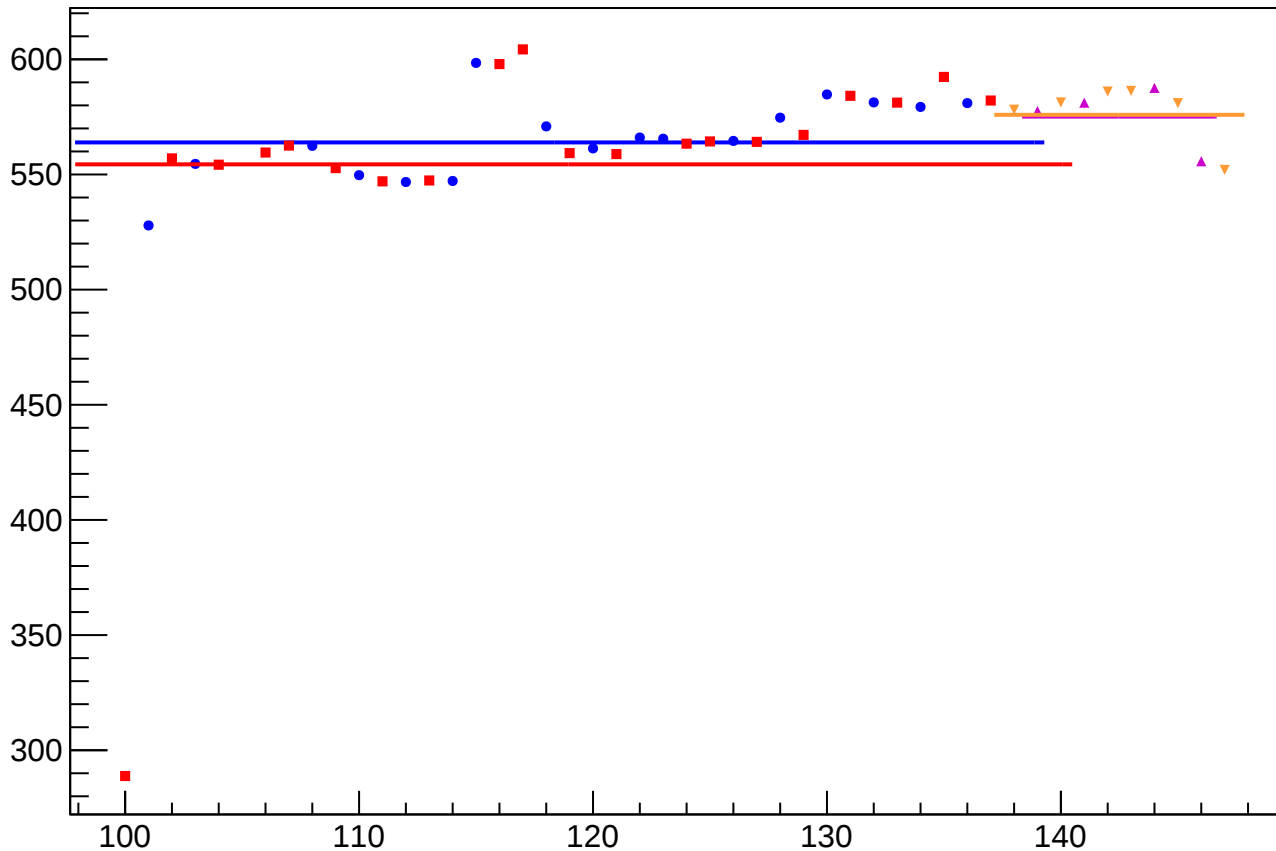
Left In: 1408.950 ± 319.301 χ^2/NDF : 2.2/3

1201.923 ± 172.707 χ^2/NDF : 18.9/22

1143.568 ± 122.595 χ^2/NDF : 35.7/46

1084.299 ± 174.052 χ^2/NDF : 16.6/23

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 575.902 ± 0.200 χ^2/NDF : 3883.1/5

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

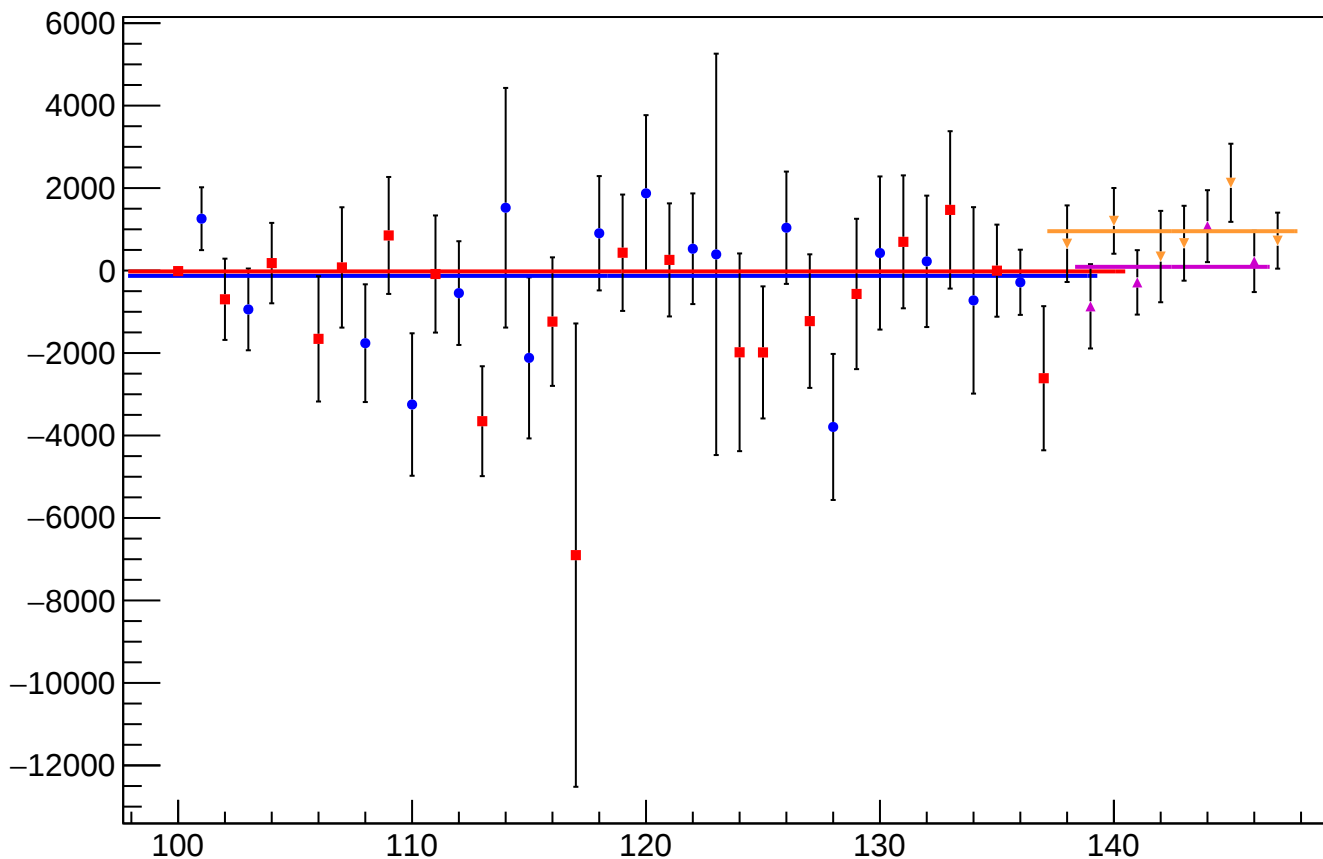
Left In: 575.143 ± 0.226 χ^2/NDF : 2968.4/3

568.408 ± 0.122 χ^2/NDF : 18800.1/22

564.517 ± 0.087 χ^2/NDF : 162306.9/46

560.565 ± 0.123 χ^2/NDF : 141460.4/23

asym_right_dd_correction_mean vs Slug, Sign Corrected



Right In: -128.725 ± 327.688 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 954.371 ± 352.596 $\chi^2/\text{NDF}: 2.3/5$

Right Out: -20.715 ± 38.953 $\chi^2/\text{NDF}: 17.6/19$

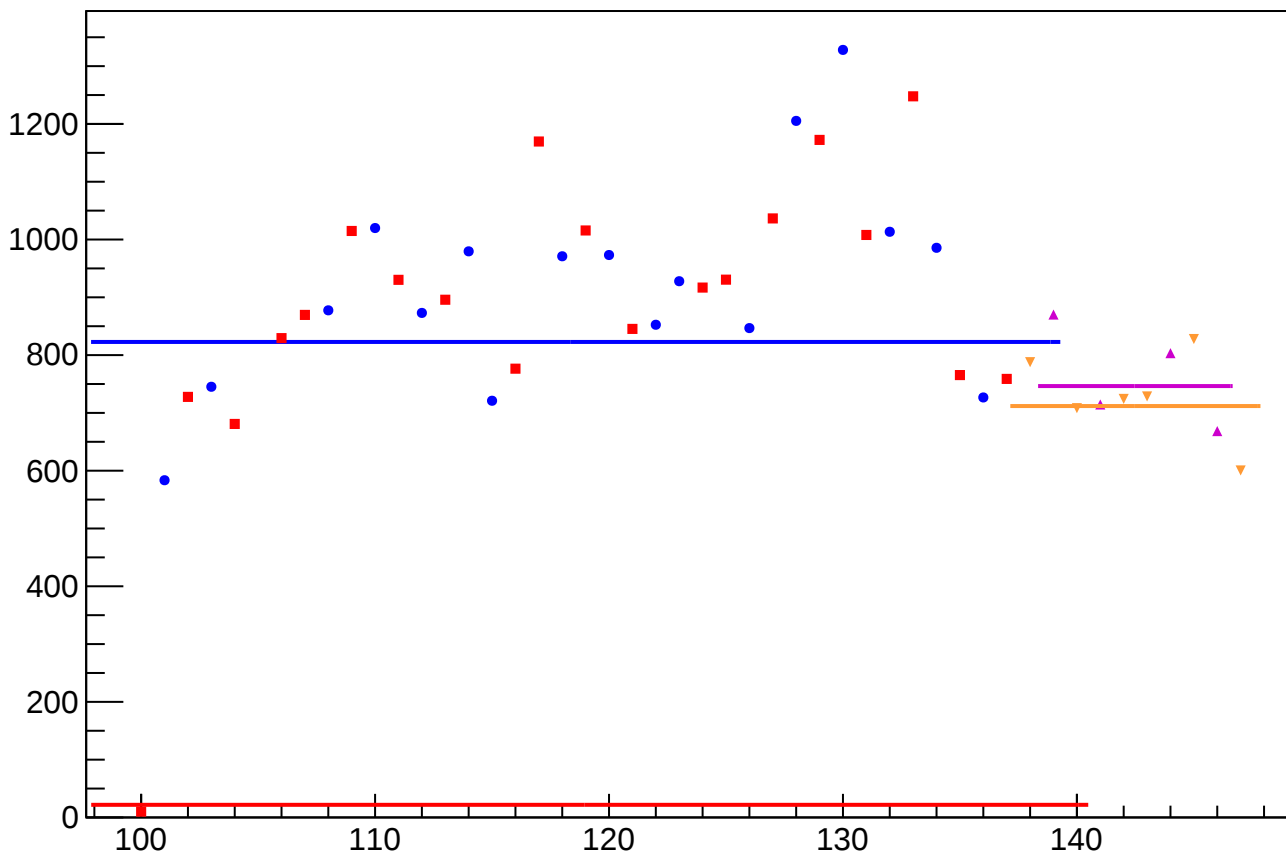
Left In: 90.264 ± 418.126 $\chi^2/\text{NDF}: 2.4/3$

373.219 ± 240.033 $\chi^2/\text{NDF}: 24.5/22$

-9.761 ± 38.289 $\chi^2/\text{NDF}: 47.2/46$

-19.760 ± 38.785 $\chi^2/\text{NDF}: 20.1/23$

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 711.856 +/- 0.249 χ^2/NDF : 98179.5/5

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

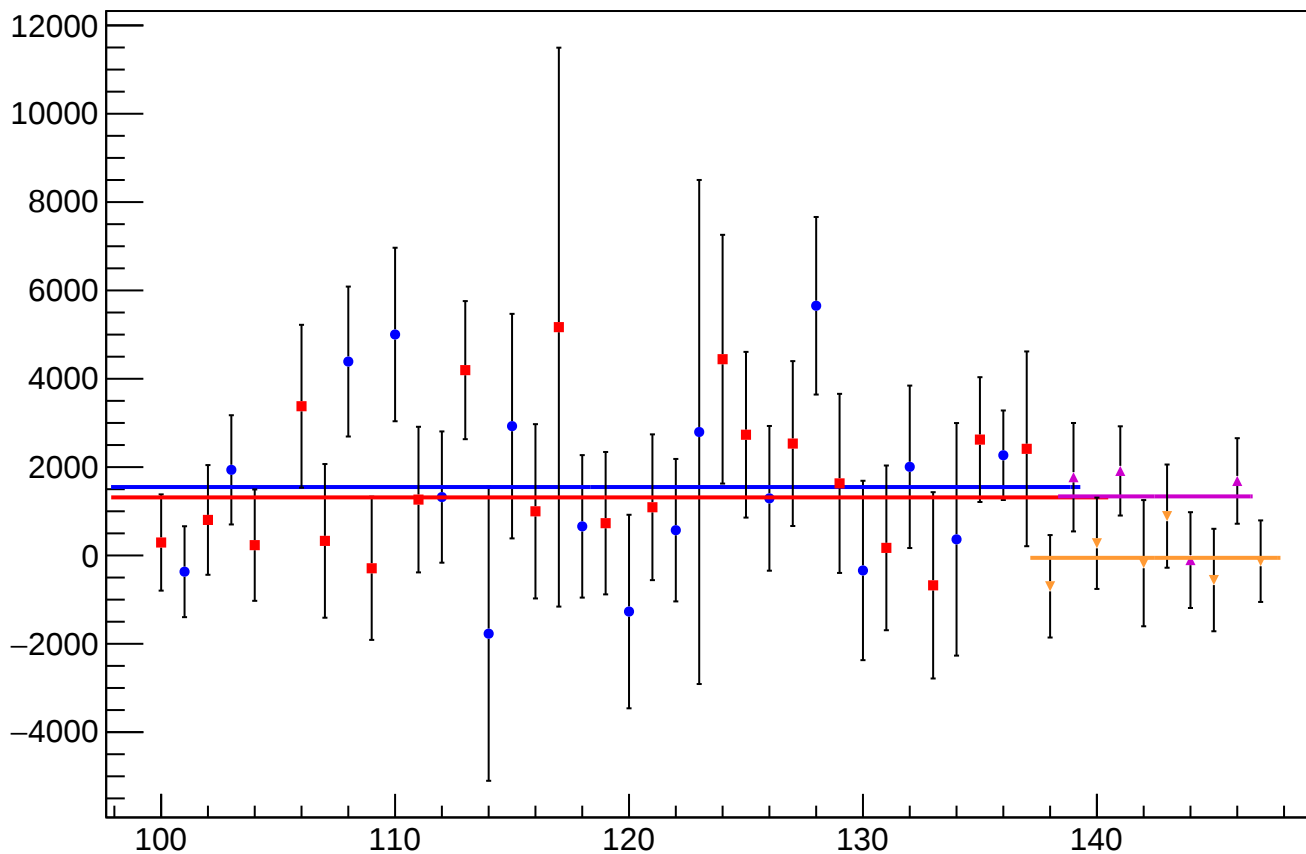
Left In: 746.440 +/- 0.296 χ^2/NDF : 63138.5/3

771.374 +/- 0.170 χ^2/NDF : 805258.2/22

47.014 +/- 0.027 χ^2/NDF : 39118840.0/46

28.102 +/- 0.027 χ^2/NDF : 19624472.7/23

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: -53.878 $\pm$ 455.523 χ^2 /NDF:1.3/5

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

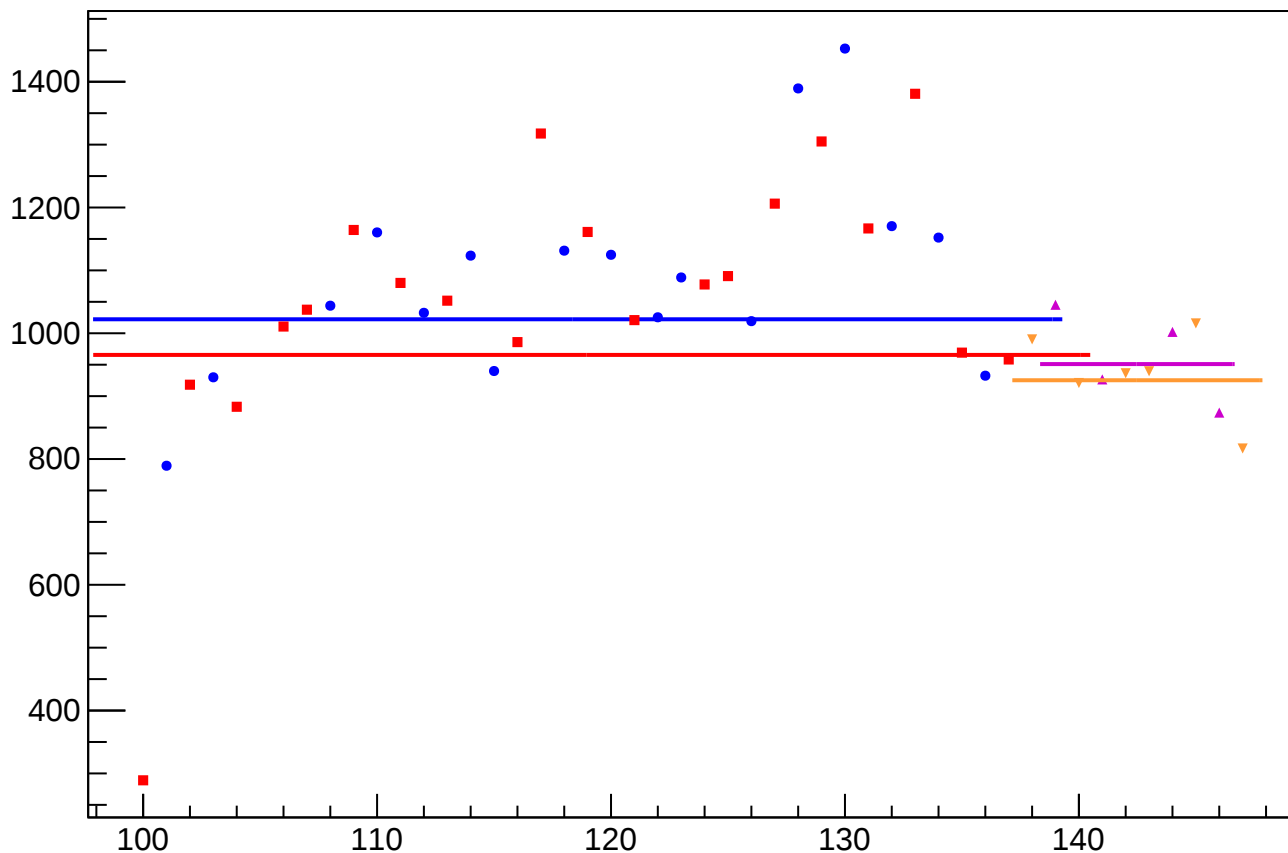
Left In: 1337.116 $\pm$ 529.967 χ^2 /NDF:2.3/3

847.131 $\pm$ 301.416 χ^2 /NDF: 27.2/22

1080.779 $\pm$ 214.847 χ^2 /NDF: 43.7/46

1322.097 $\pm$ 306.323 χ^2 /NDF: 15.3/23

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 925.277+/-0.322 χ^2/NDF : 46534.2/5

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

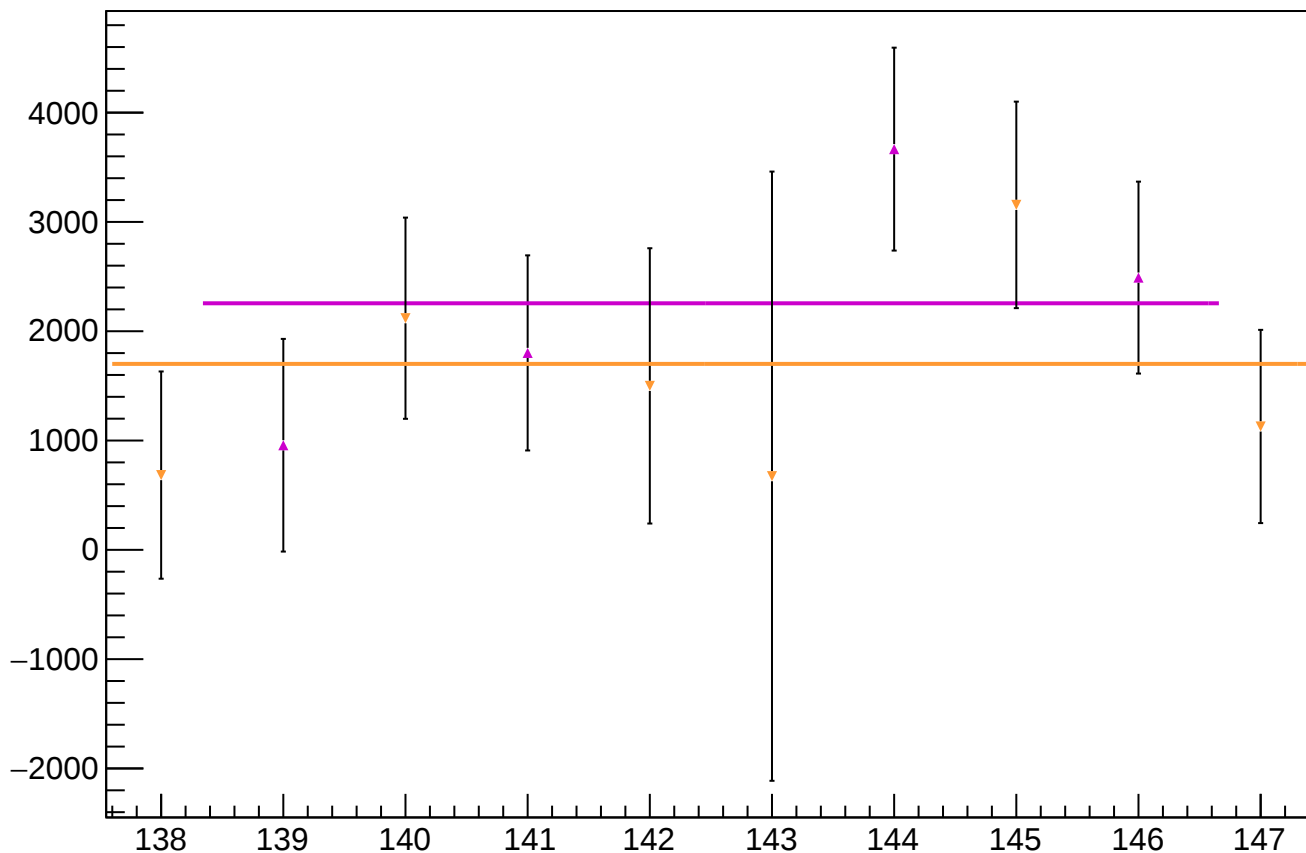
Left In: 950.999+/-0.375 χ^2/NDF : 30131.2/3

979.787+/-0.213 χ^2/NDF : 429344.6/22

970.400+/-0.152 χ^2/NDF : 1537923.4/46

960.705+/-0.217 χ^2/NDF : 1104635.4/23

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1701.153+/-428.235 χ^2/NDF : 4.3/5

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

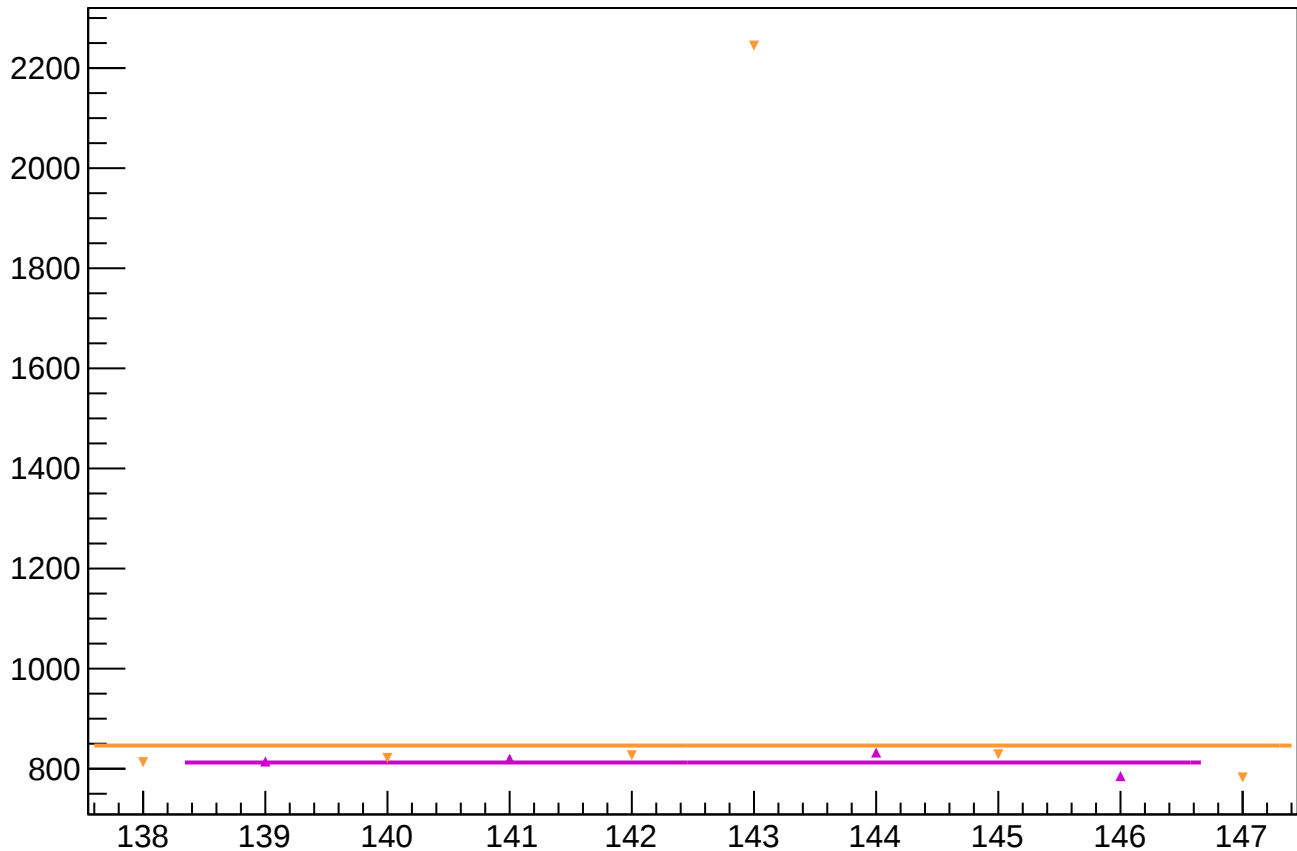
Left In: 2255.640+/-457.867 χ^2/NDF : 4.4/3

1701.153+/-428.235 χ^2/NDF : 4.3/5

1959.875+/-312.759 χ^2/NDF : 9.5/9

2255.640+/-457.867 χ^2/NDF : 4.4/3

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 846.325+/-0.303 χ^2/NDF : 519190.9/5

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

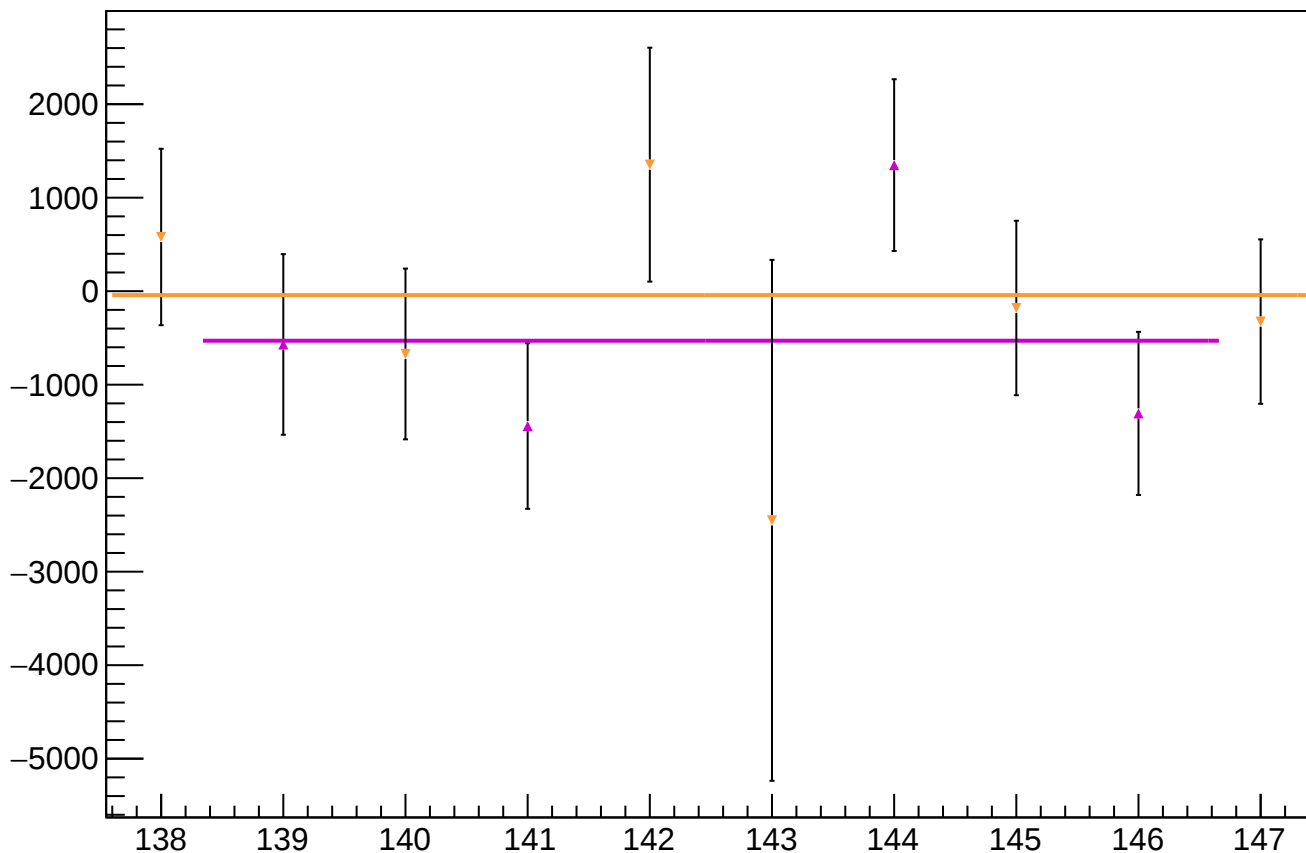
Left In: 812.420+/-0.324 χ^2/NDF : 2991.3/3

846.325+/-0.303 χ^2/NDF : 519190.9/5

830.505+/-0.221 χ^2/NDF : 528032.2/9

812.420+/-0.324 χ^2/NDF : 2991.3/3

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -42.008+/-425.121 χ^2/NDF : 3.0/5

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

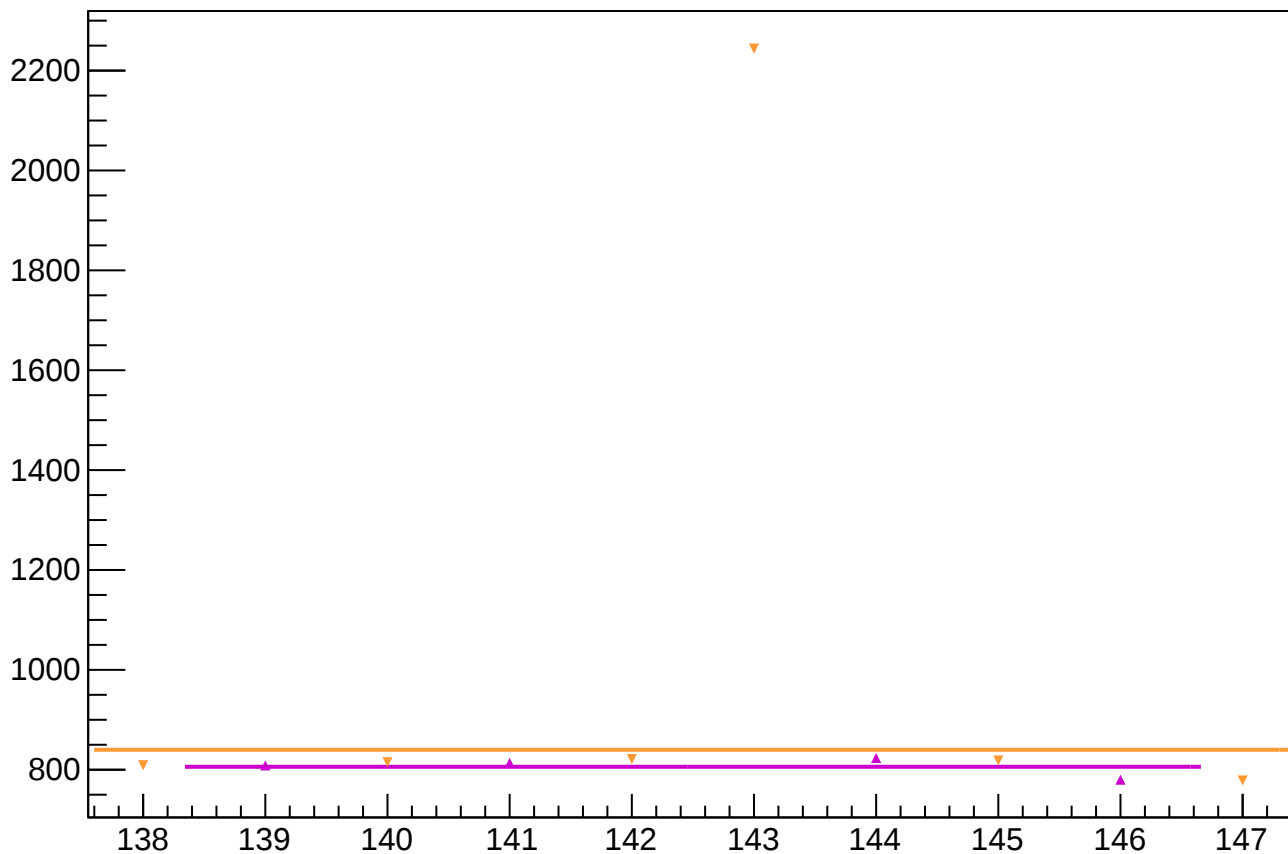
Left In: -529.976+/-454.170 χ^2/NDF : 6.0/3

-42.008+/-425.121 χ^2/NDF : 3.0/5

-269.888+/-310.368 χ^2/NDF : 9.7/9

-529.976+/-454.170 χ^2/NDF : 6.0/3

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 839.998+/-0.301 χ^2/NDF : 522952.2/5

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

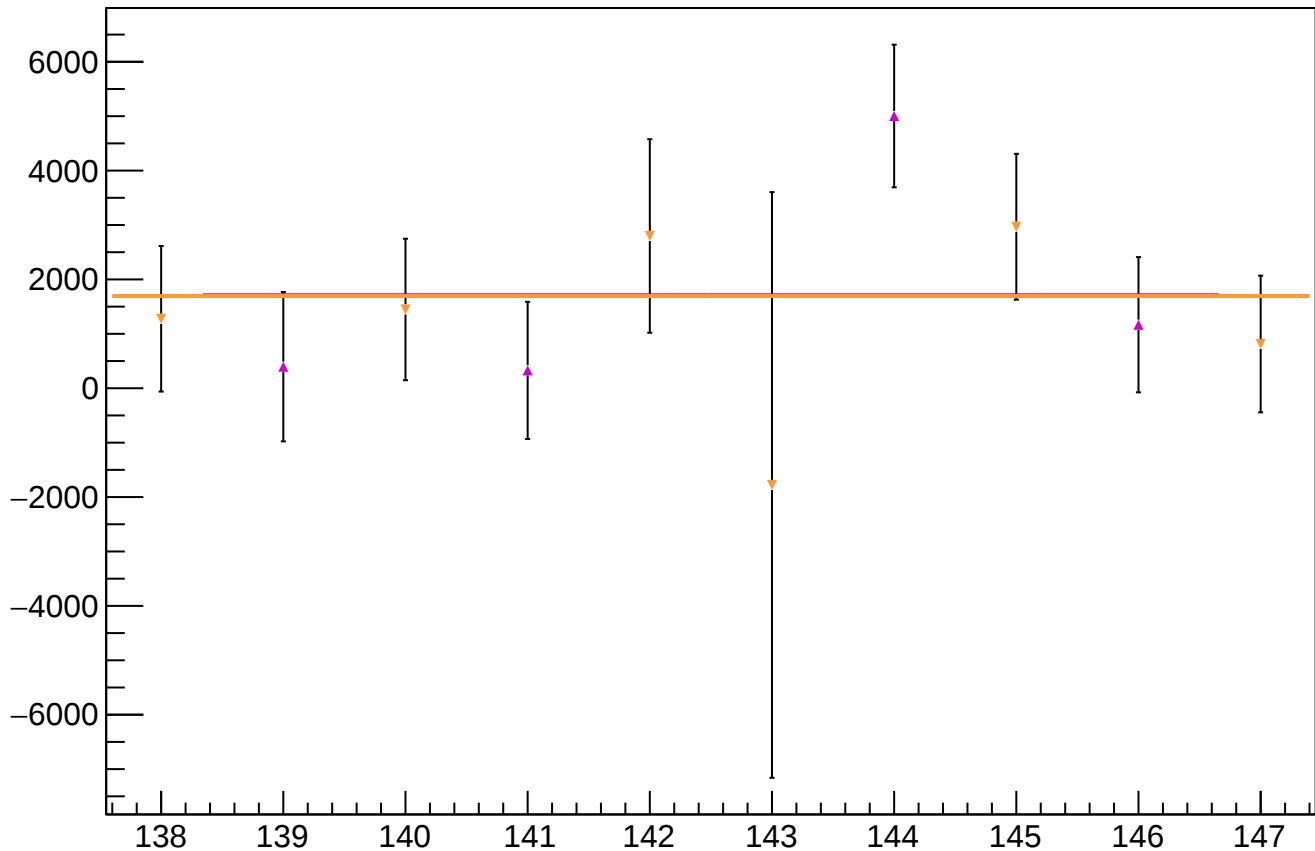
Left In: 805.919+/-0.321 χ^2/NDF : 2666.1/3

839.998+/-0.301 χ^2/NDF : 522952.2/5

824.083+/-0.219 χ^2/NDF : 531620.2/9

805.919+/-0.321 χ^2/NDF : 2666.1/3

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1694.407+/-609.562 χ^2/NDF : 2.3/5

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

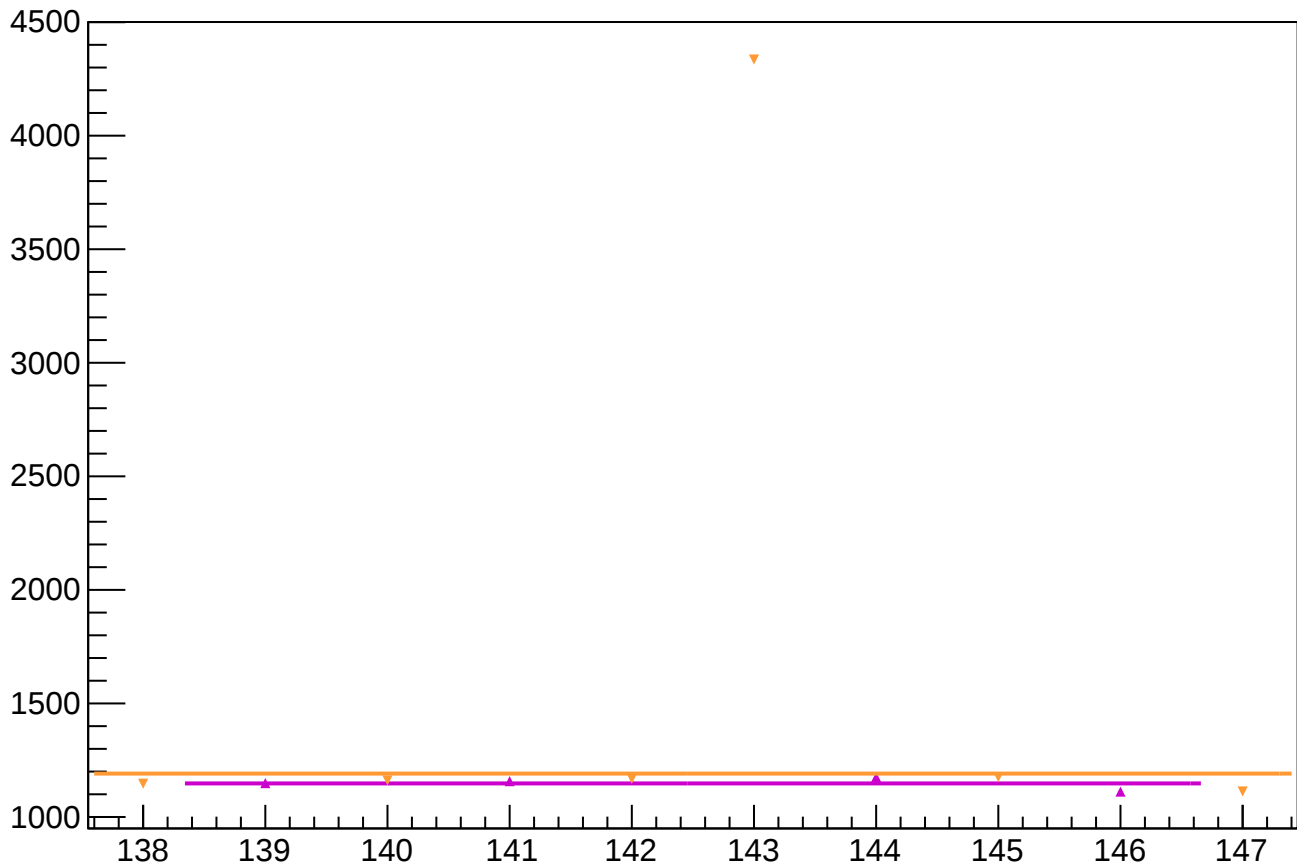
Left In: 1708.560+/-646.856 χ^2/NDF : 8.6/3

1694.407+/-609.562 χ^2/NDF : 2.3/5

1701.064+/-443.624 χ^2/NDF : 11.0/9

1708.560+/-646.856 χ^2/NDF : 8.6/3

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1191.135+/-0.431 χ^2/NDF : 694340.1/5

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

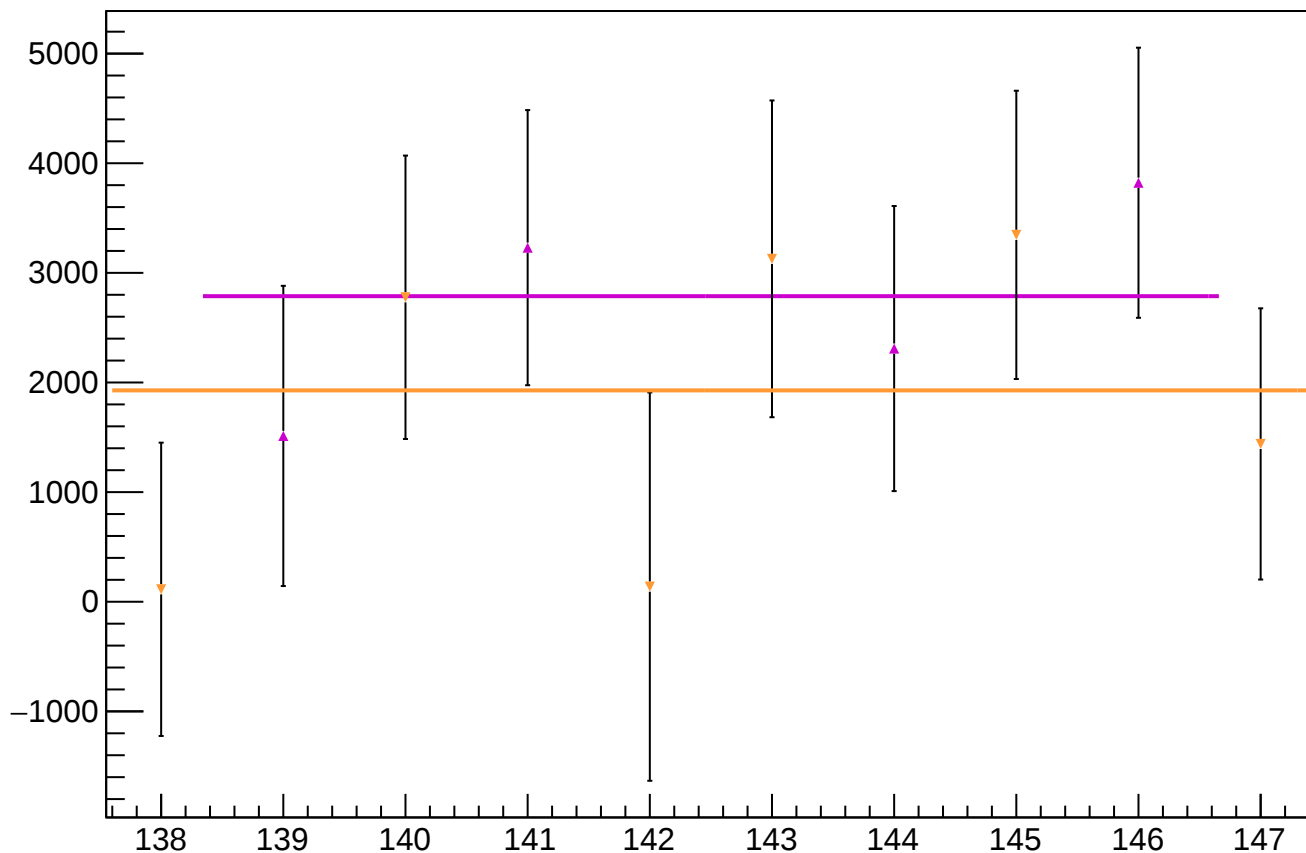
Left In: 1147.812+/-0.457 χ^2/NDF : 2714.0/3

1191.135+/-0.431 χ^2/NDF : 694340.1/5

1170.758+/-0.314 χ^2/NDF : 701805.9/9

1147.812+/-0.457 χ^2/NDF : 2714.0/3

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1928.000+/-560.145 χ^2/NDF : 5.3/5

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

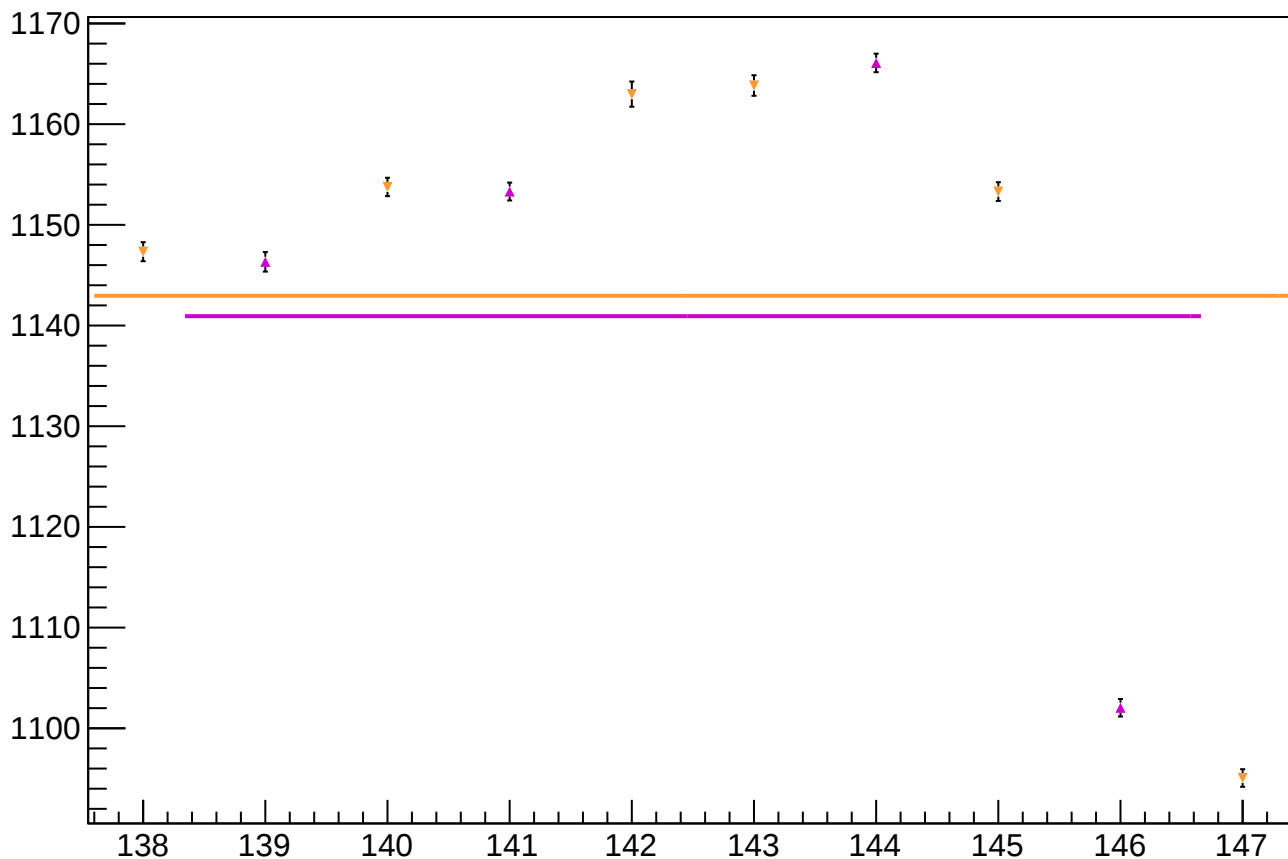
Left In: 2787.390+/-642.990 χ^2/NDF : 1.8/3

1928.000+/-560.145 χ^2/NDF : 5.3/5

2298.800+/-422.356 χ^2/NDF : 8.1/9

2787.390+/-642.990 χ^2/NDF : 1.8/3

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1142.953+/-0.396 χ^2/NDF : 3956.4/5

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

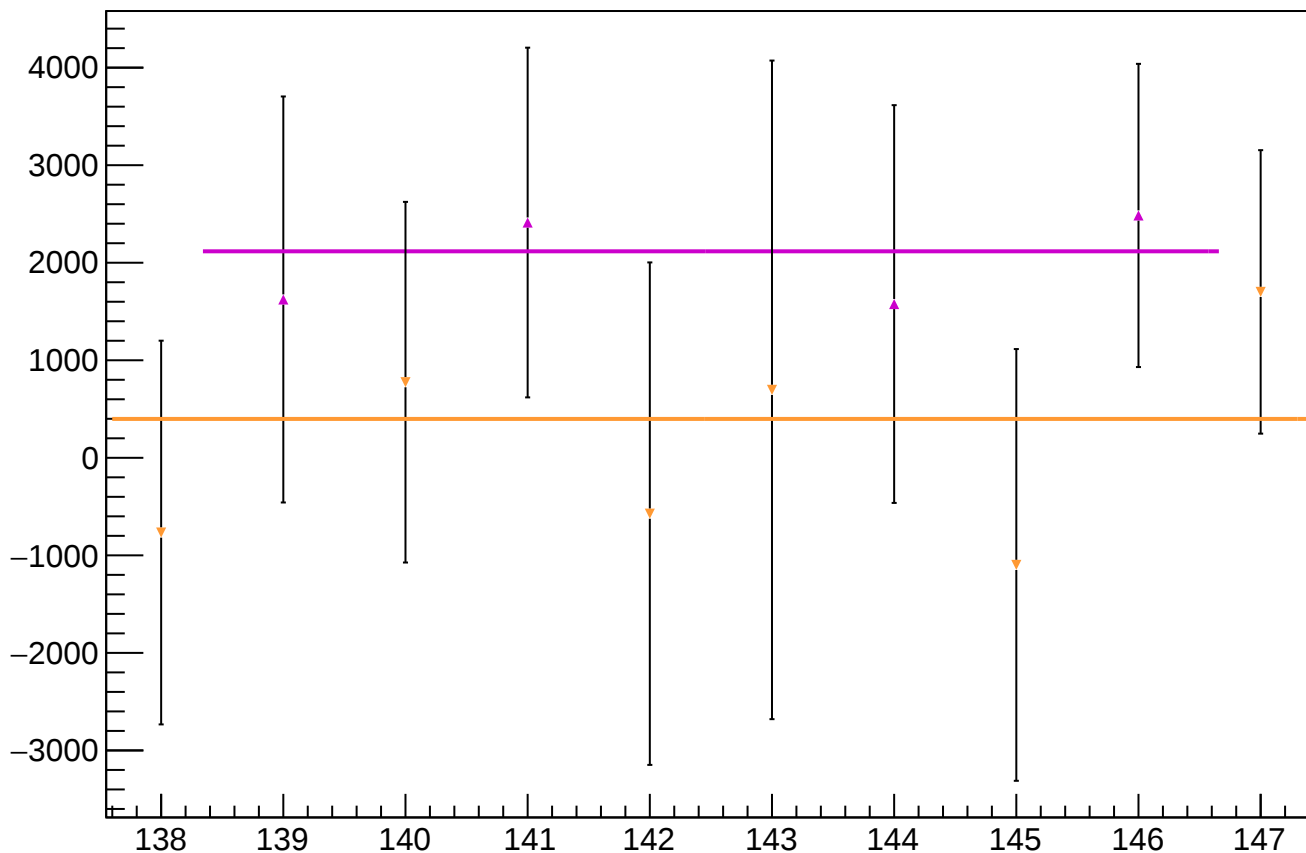
Left In: 1140.927+/-0.455 χ^2/NDF : 2966.9/3

1142.953+/-0.396 χ^2/NDF : 3956.4/5

1142.079+/-0.299 χ^2/NDF : 6934.6/9

1140.927+/-0.455 χ^2/NDF : 2966.9/3

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 398.689+/-825.557 χ^2/NDF : 1.8/5

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

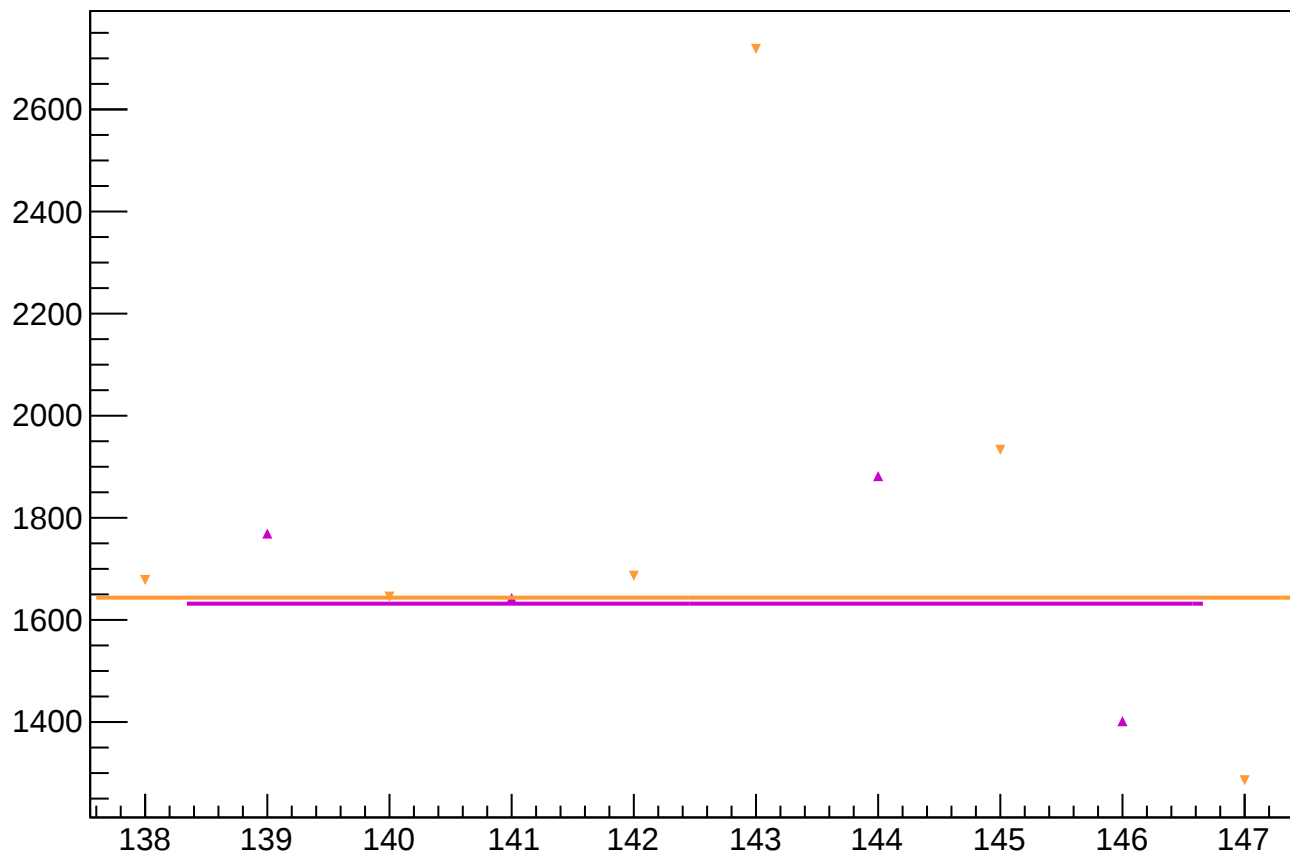
Left In: 2117.055+/-914.211 χ^2/NDF : 0.2/3

398.689+/-825.557 χ^2/NDF : 1.8/5

1170.535+/-612.709 χ^2/NDF : 4.0/9

2117.055+/-914.211 χ^2/NDF : 0.2/3

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1643.627+/-0.584 χ^2/NDF : 359407.6/5

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

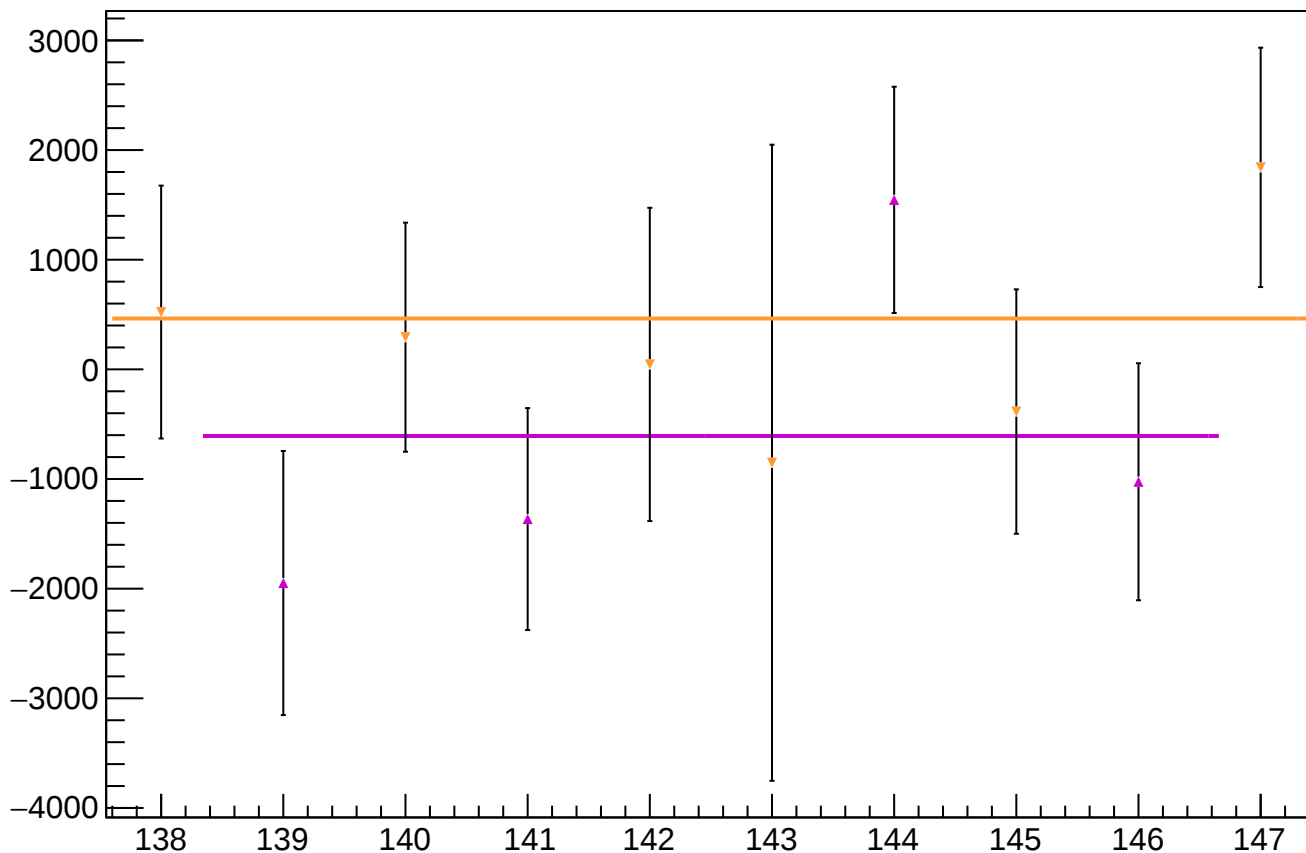
Left In: 1631.838+/-0.646 χ^2/NDF : 82680.3/3

1643.627+/-0.584 χ^2/NDF : 359407.6/5

1638.332+/-0.433 χ^2/NDF : 442271.0/9

1631.838+/-0.646 χ^2/NDF : 82680.3/3

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 463.858+/-504.996 χ^2/NDF : 2.5/5

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

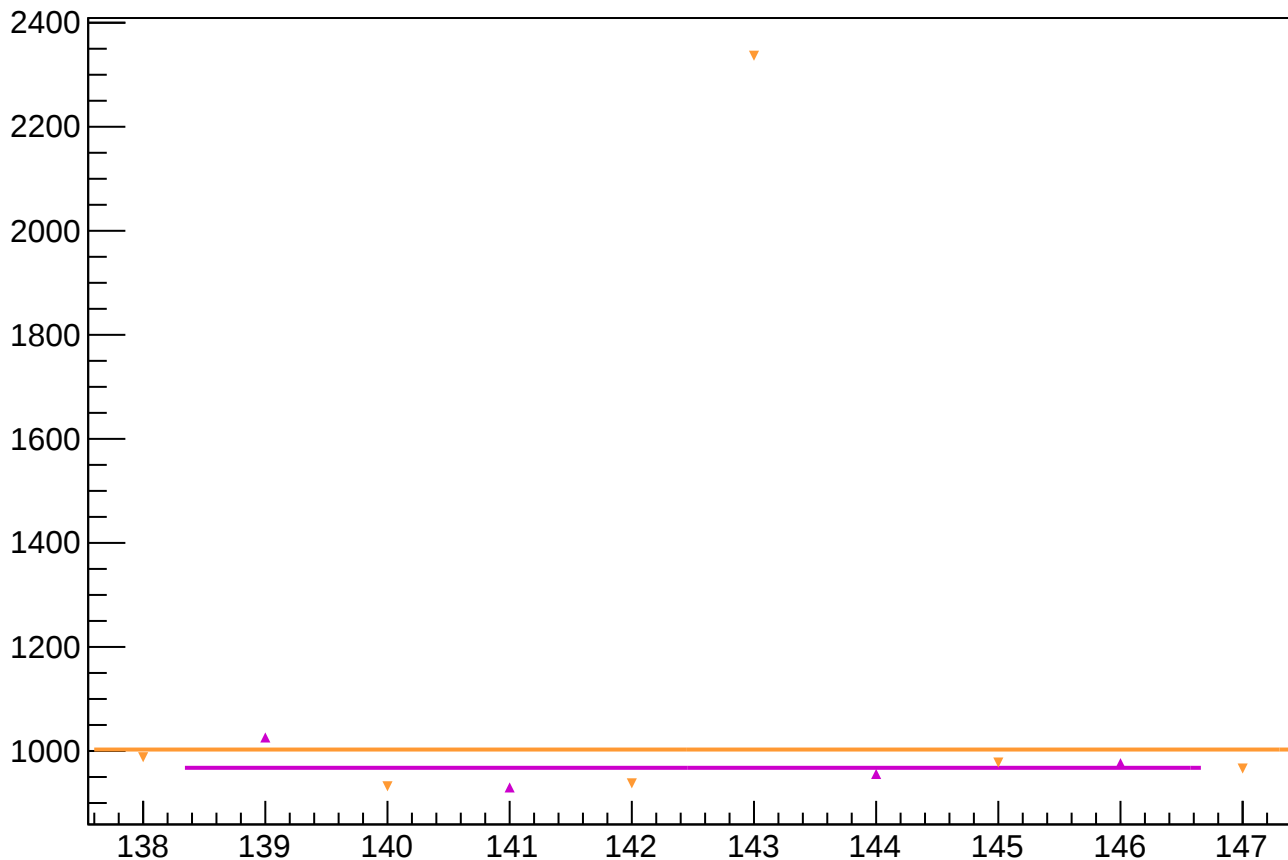
Left In: -607.465+/-537.521 χ^2/NDF : 6.3/3

463.858+/-504.996 χ^2/NDF : 2.5/5

-38.412+/-368.047 χ^2/NDF : 10.9/9

-607.465+/-537.521 χ^2/NDF : 6.3/3

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1002.776+/-0.357 χ^2/NDF : 439735.9/5

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

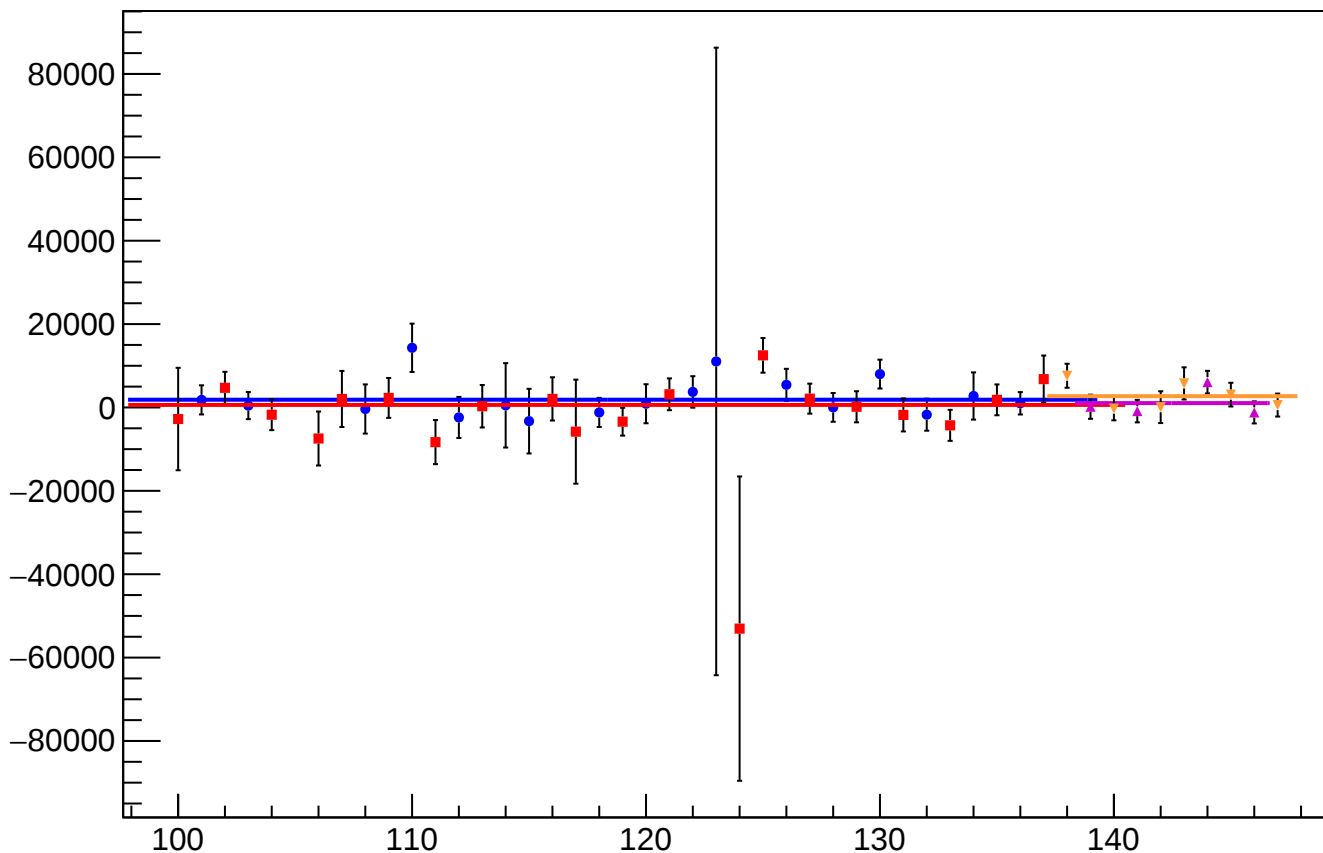
Left In: 967.650+/-0.380 χ^2/NDF : 7871.5/3

1002.776+/-0.357 χ^2/NDF : 439735.9/5

986.307+/-0.260 χ^2/NDF : 452143.9/9

967.650+/-0.380 χ^2/NDF : 7871.5/3

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2710.179+/-1251.022 χ^2/NDF : 5.8/5

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

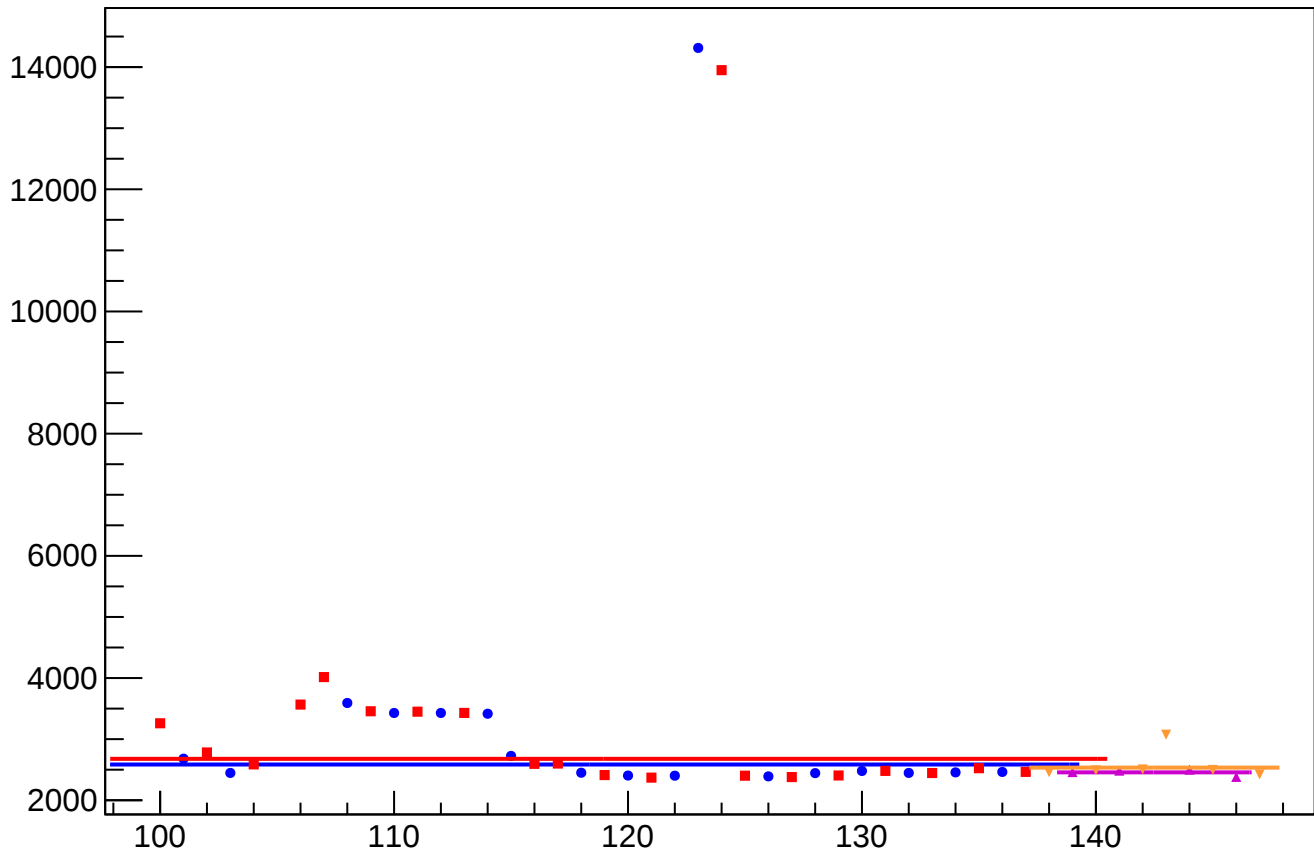
Left In: 1049.808+/-1367.612 χ^2/NDF : 4.8/3

2196.720+/-787.472 χ^2/NDF : 18.6/22

1509.325+/-567.250 χ^2/NDF : 47.3/46

767.939+/-817.813 χ^2/NDF : 27.2/23

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2534.095+/-0.885 χ^2/NDF : 44543.1/5

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

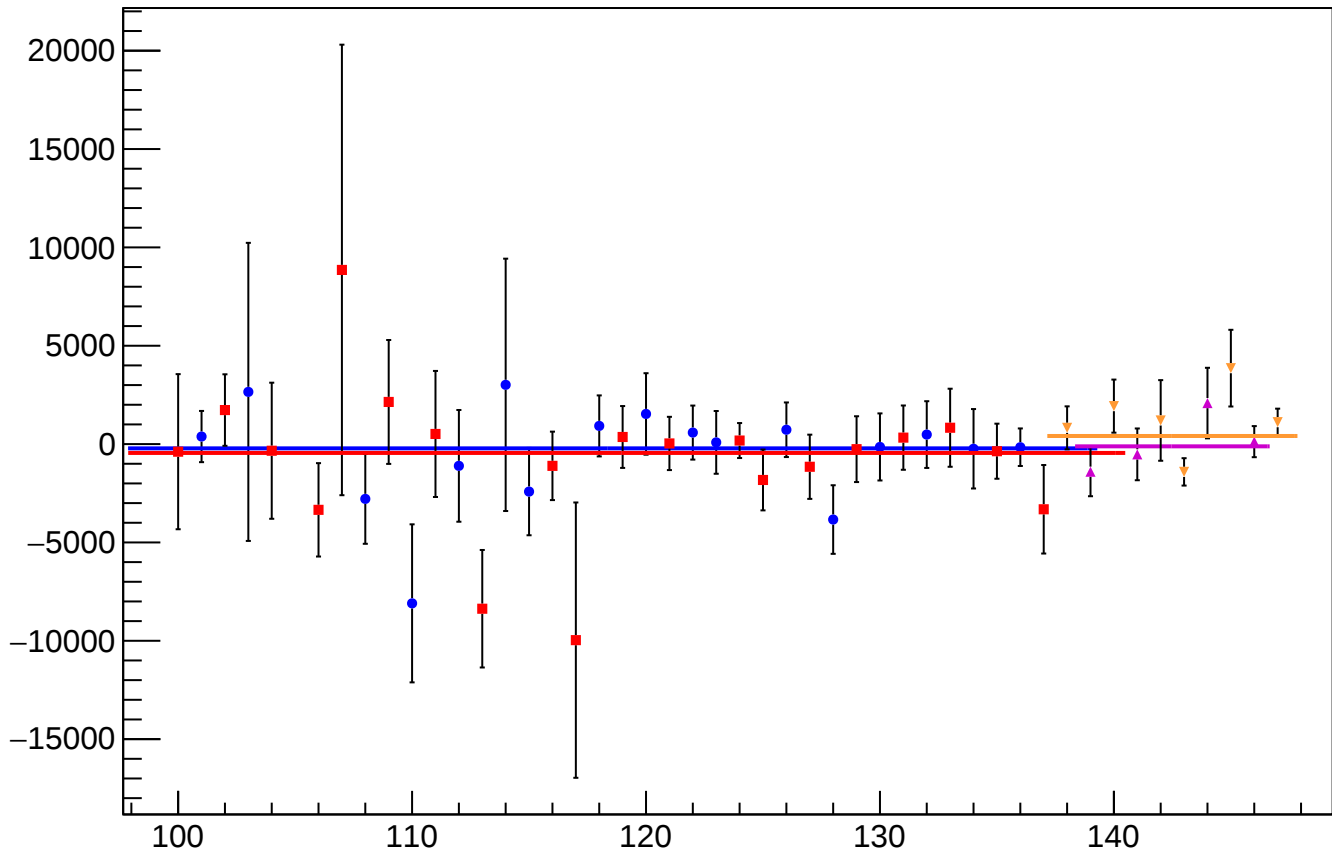
Left In: 2456.488+/-0.967 χ^2/NDF : 2339.8/3

2564.721+/-0.557 χ^2/NDF : 302238.7/22

2581.022+/-0.401 χ^2/NDF : 872151.8/46

2598.604+/-0.578 χ^2/NDF : 568131.7/23

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 411.962 ± 405.801 $\chi^2/\text{NDF}: 12.6/5$

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

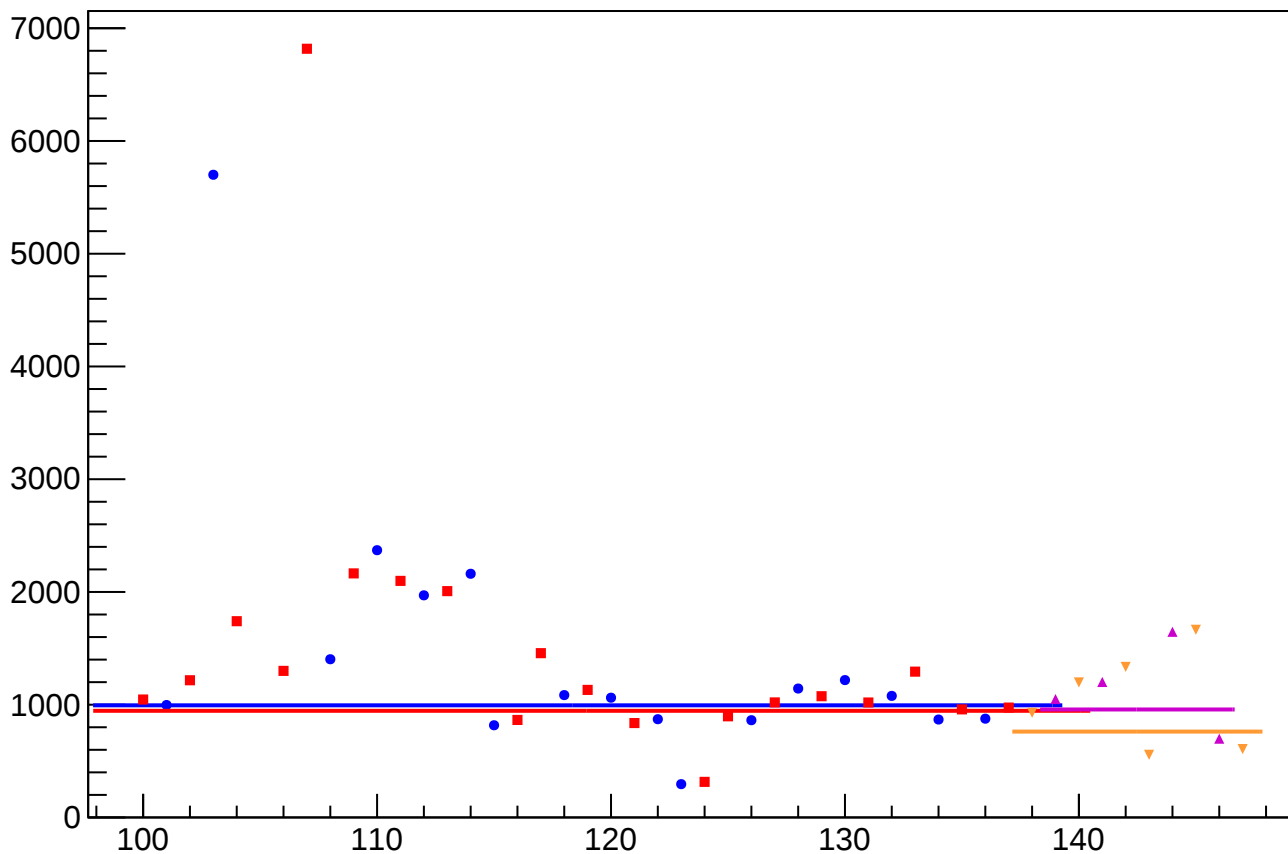
Left In: -114.339 ± 564.987 $\chi^2/\text{NDF}: 2.8/3$

108.342 ± 291.861 $\chi^2/\text{NDF}: 27.2/22$

-85.482 ± 218.890 $\chi^2/\text{NDF}: 48.7/46$

-334.653 ± 330.919 $\chi^2/\text{NDF}: 20.5/23$

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 761.570+/-0.287 χ^2/NDF : 1118337.1/5

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

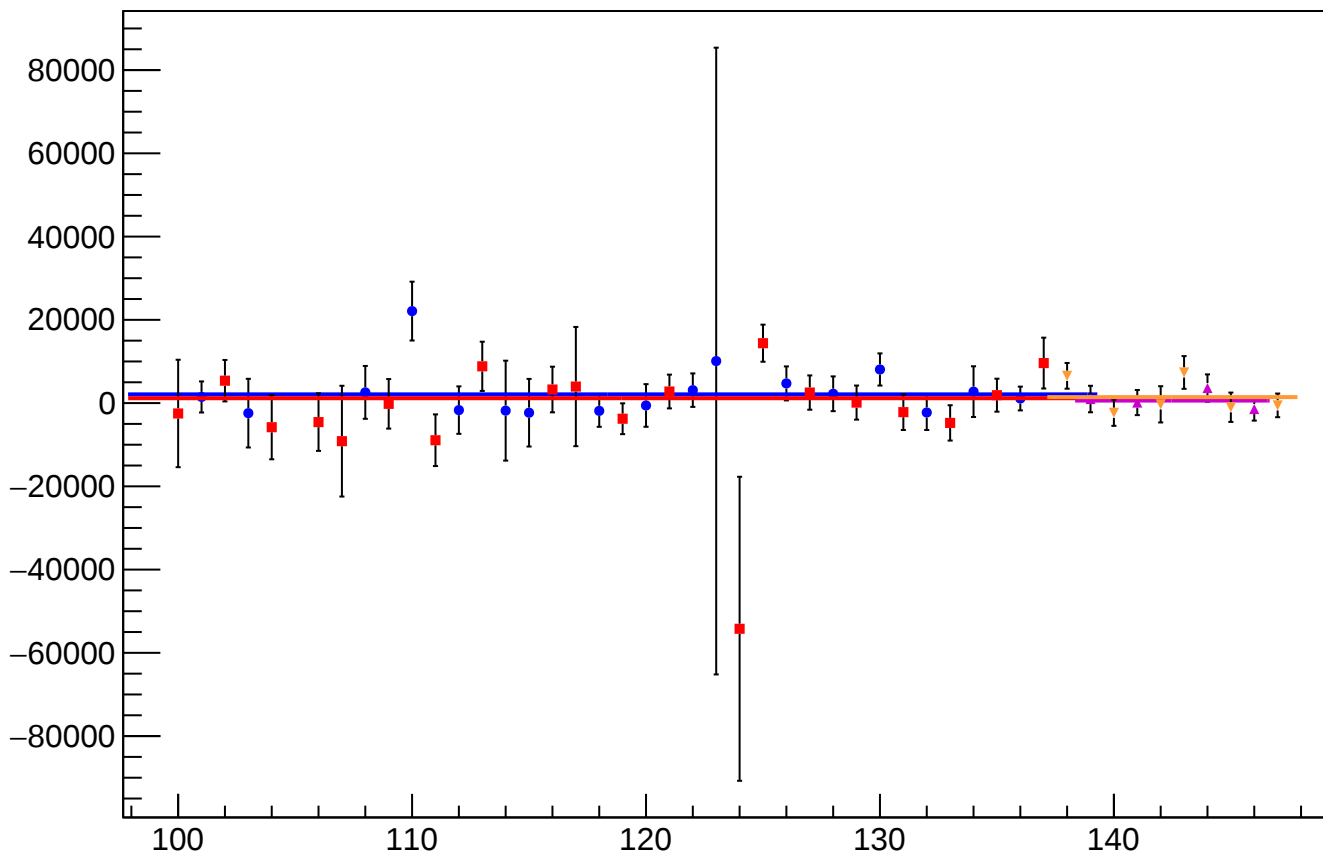
Left In: 957.723+/-0.400 χ^2/NDF : 589466.1/3

874.029+/-0.206 χ^2/NDF : 3341087.7/22

907.288+/-0.155 χ^2/NDF : 6667182.5/46

950.043+/-0.234 χ^2/NDF : 3266738.9/23

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1434.678+/-1375.832 χ^2/NDF : 7.6/5

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

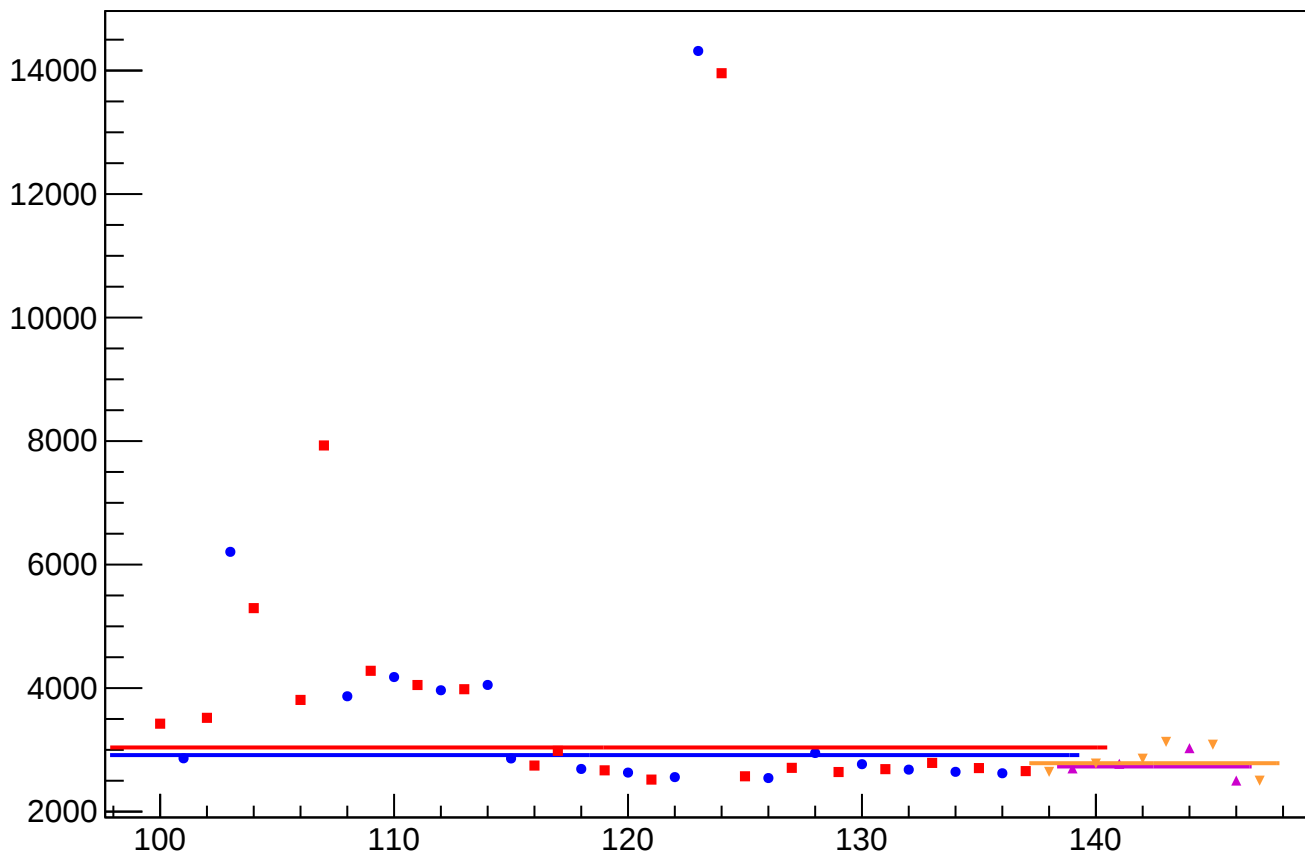
Left In: 608.586+/-1524.052 χ^2/NDF : 1.4/3

1819.964+/-887.041 χ^2/NDF : 22.3/22

1410.982+/-643.351 χ^2/NDF : 49.4/46

957.082+/-934.484 χ^2/NDF : 26.7/23

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2783.912+/-0.973 χ^2/NDF : 54414.4/5

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

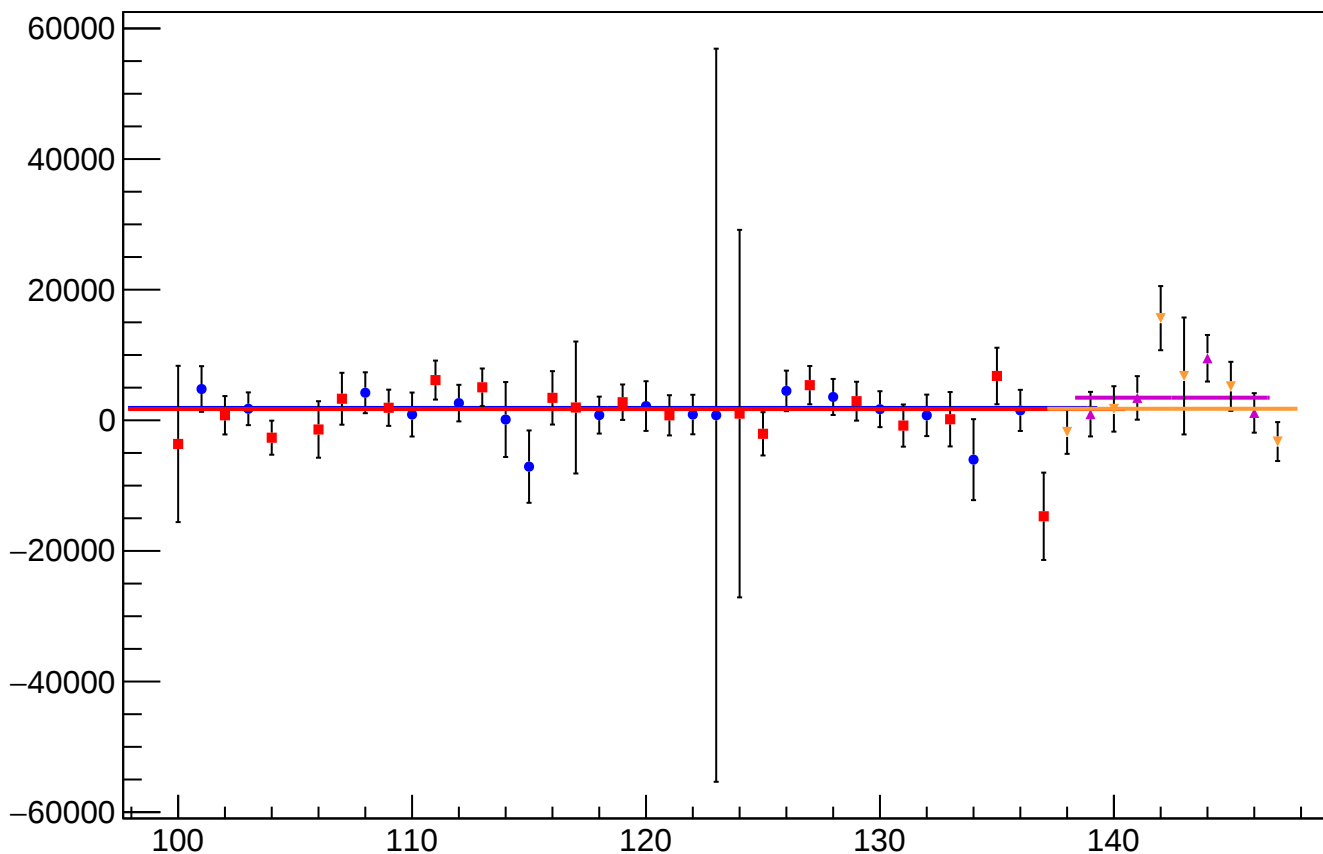
Left In: 2730.563+/-1.078 χ^2/NDF : 30383.2/3

2860.627+/-0.627 χ^2/NDF : 704192.4/22

2890.138+/-0.455 χ^2/NDF : 1801698.3/46

2922.891+/-0.661 χ^2/NDF : 1092835.2/23

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1889.943 $\pm$ 811.431 χ^2 /NDF: 7.3/16

Left Out: 1767.522 $\pm$ 1563.833 χ^2 /NDF:13.1/5

Right Out: 1720.591 $\pm$ 787.704 χ^2 /NDF: 19.0/19

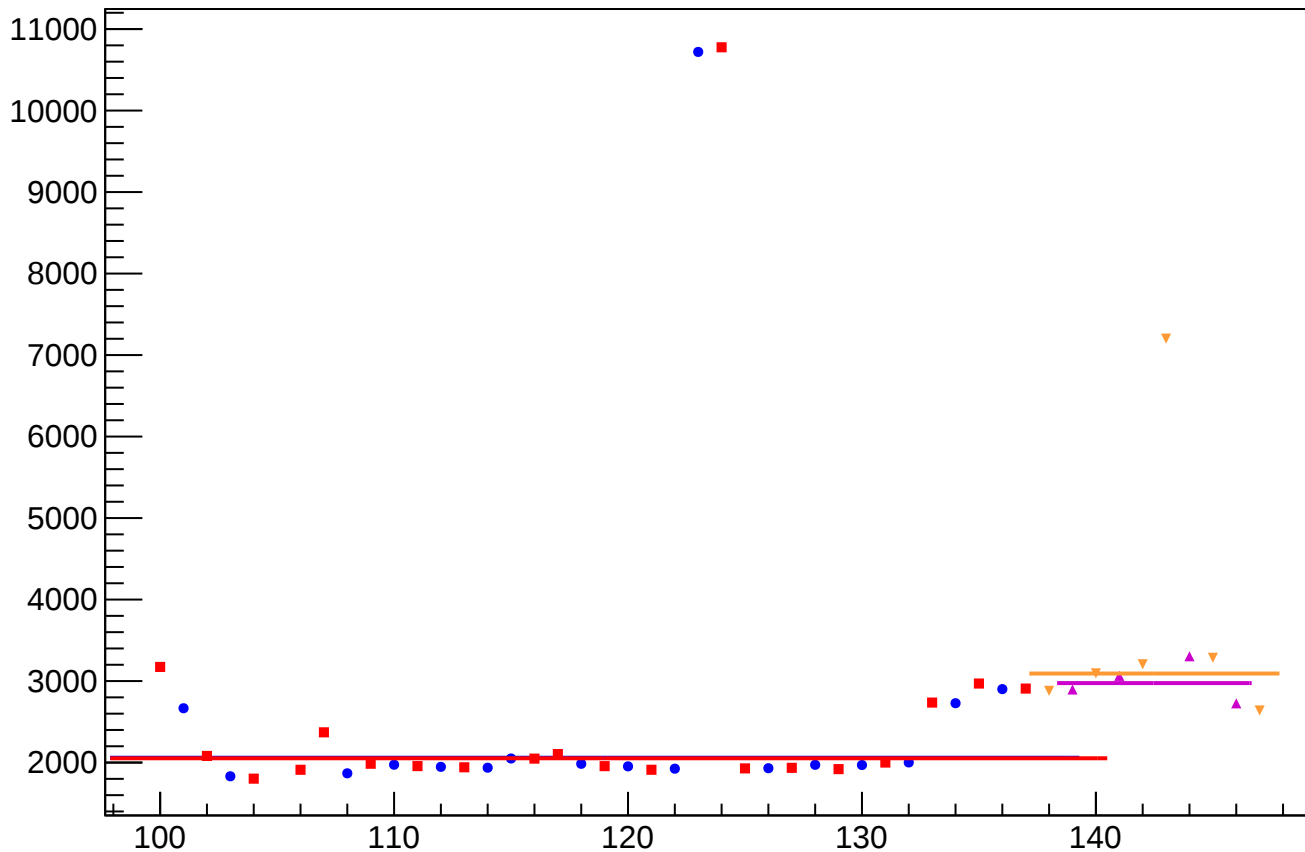
Left In: 3463.336 $\pm$ 1658.174 χ^2 /NDF:4.0/3

1863.975 $\pm$ 720.247 χ^2 /NDF: 20.4/22

1953.801 $\pm$ 506.172 χ^2 /NDF: 44.3/46

2041.460 $\pm$ 711.503 χ^2 /NDF: 23.9/23

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 3092.444+/-1.106 χ^2/NDF :482100.1/5

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

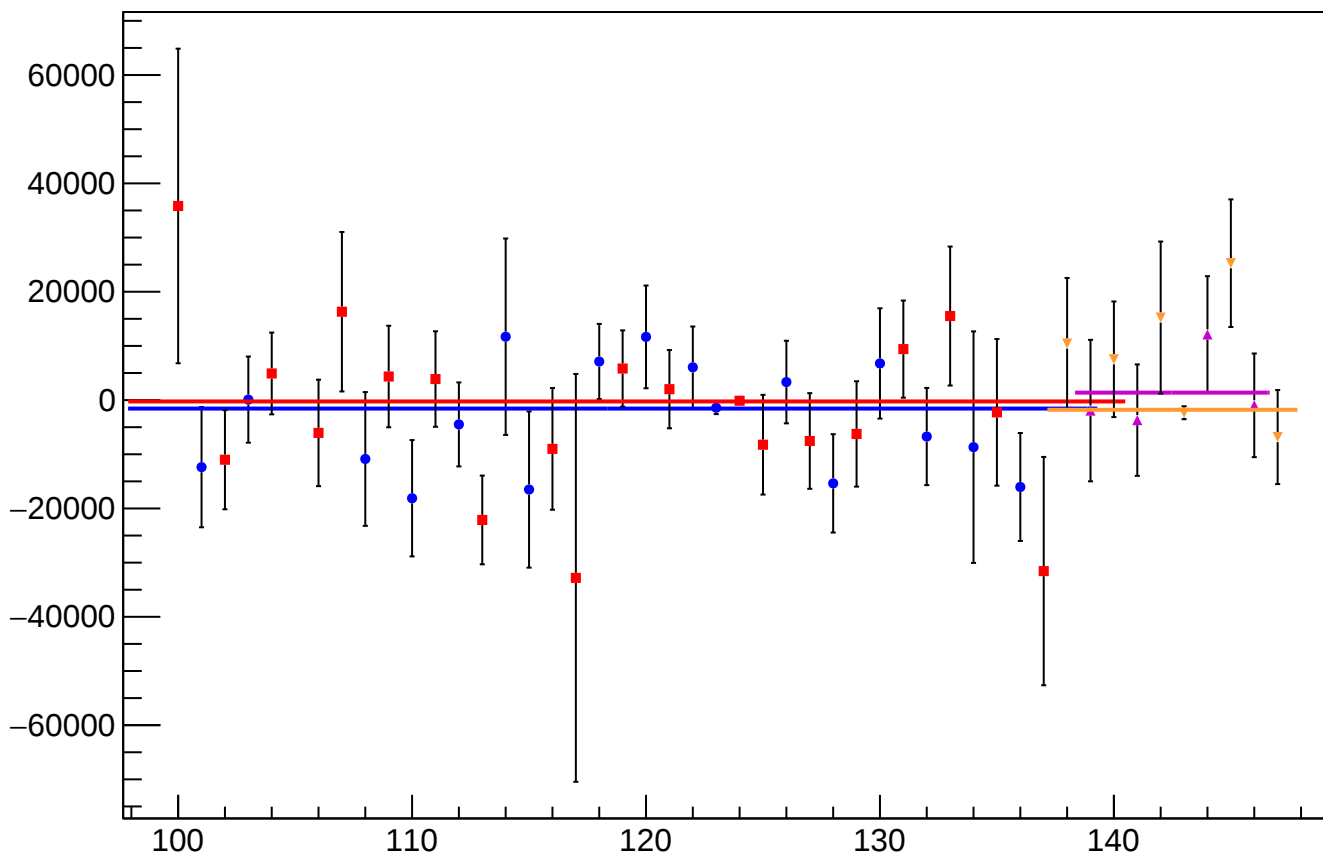
Left In: 2975.049+/-1.173 χ^2/NDF :32977.5/3

2278.185+/-0.509 χ^2/NDF : 1488860.5/22

2249.961+/-0.358 χ^2/NDF : 2476297.8/46

2222.417+/-0.503 χ^2/NDF : 981368.9/23

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1563.218 $\pm$ 1053.946 χ^2 /NDF: 16.2/16

Left Out: -1786.133 $\pm$ 1162.723 χ^2 /NDF: 9.1/5

Right Out: -247.306 $\pm$ 695.049 χ^2 /NDF: 21.6/19

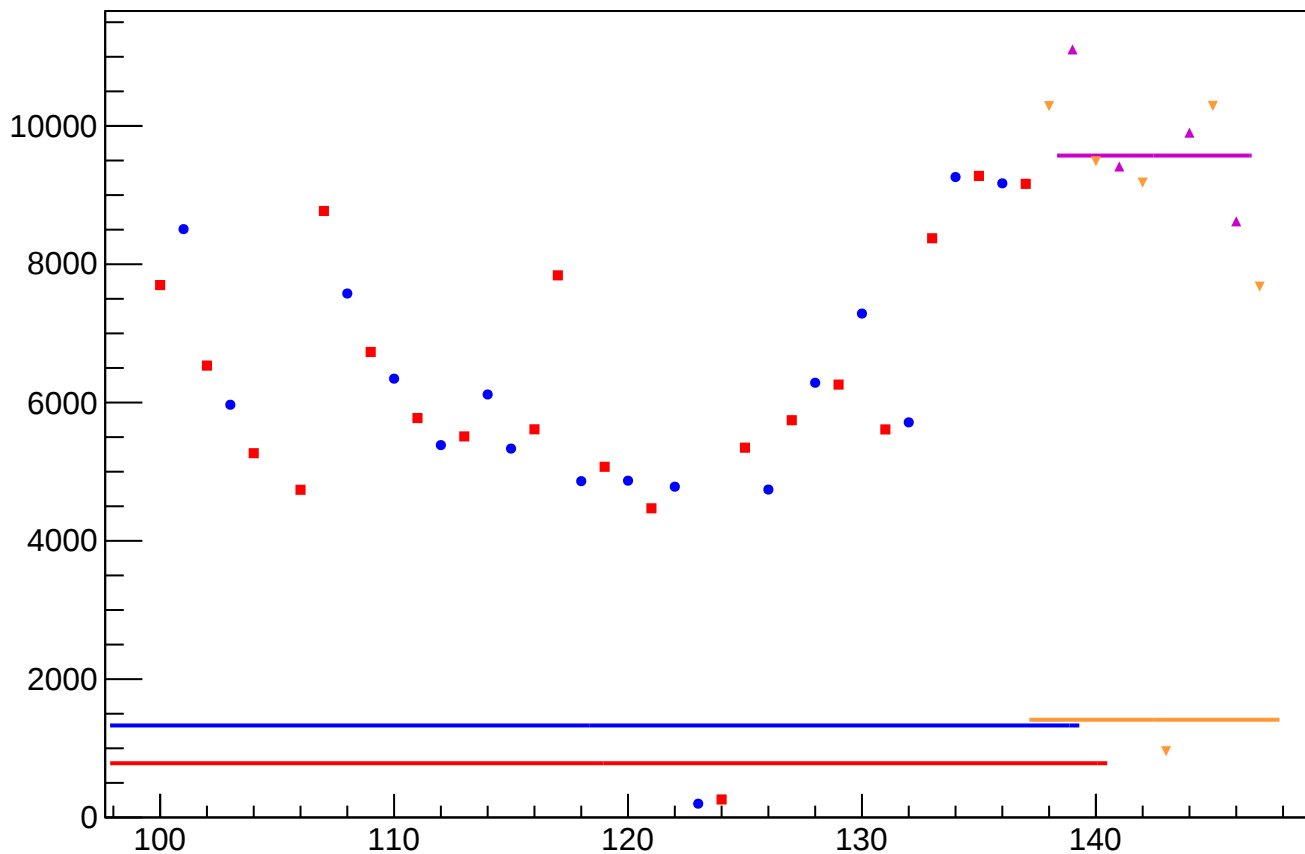
Left In: 1379.618 $\pm$ 5352.710 χ^2 /NDF: 1.4/3

-1663.763 $\pm$ 780.884 χ^2 /NDF: 25.3/22

-852.438 $\pm$ 516.754 χ^2 /NDF: 50.2/46

-220.330 $\pm$ 689.262 χ^2 /NDF: 23.0/23

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250 $\pm$ 0.745 χ^2/NDF : 10046828.9/16

Left Out: 1412.755 $\pm$ 0.822 χ^2/NDF : 5299951.9/5

Right Out: 784.254 $\pm$ 0.491 χ^2/NDF : 11510186.9/19

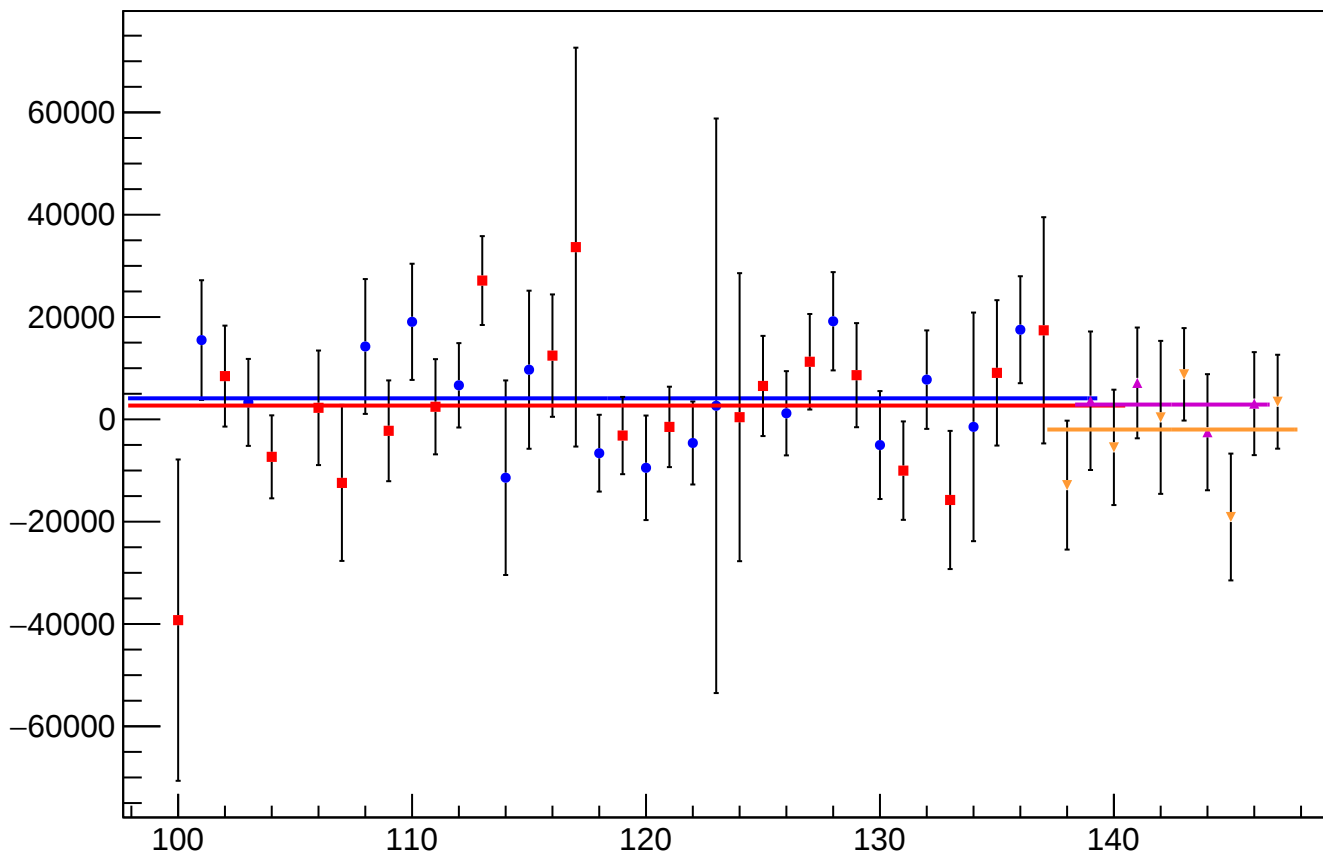
Left In: 9571.507 $\pm$ 3.785 χ^2/NDF : 49788.4/3

1367.463 $\pm$ 0.552 χ^2/NDF : 15352308.9/22

1121.551 $\pm$ 0.365 χ^2/NDF : 32565785.6/4

929.959 $\pm$ 0.487 χ^2/NDF : 16860603.0/23

asym_atl2_mean vs Slug, Sign Corrected



Right In: 4111.784 $\pm$ 2534.444 χ^2 /NDF: 14.3/16

Left Out: -1985.854 $\pm$ 4505.495 χ^2 /NDF: 4.5/5

Right Out: 2697.106 $\pm$ 2415.828 χ^2 /NDF: 20.6/19

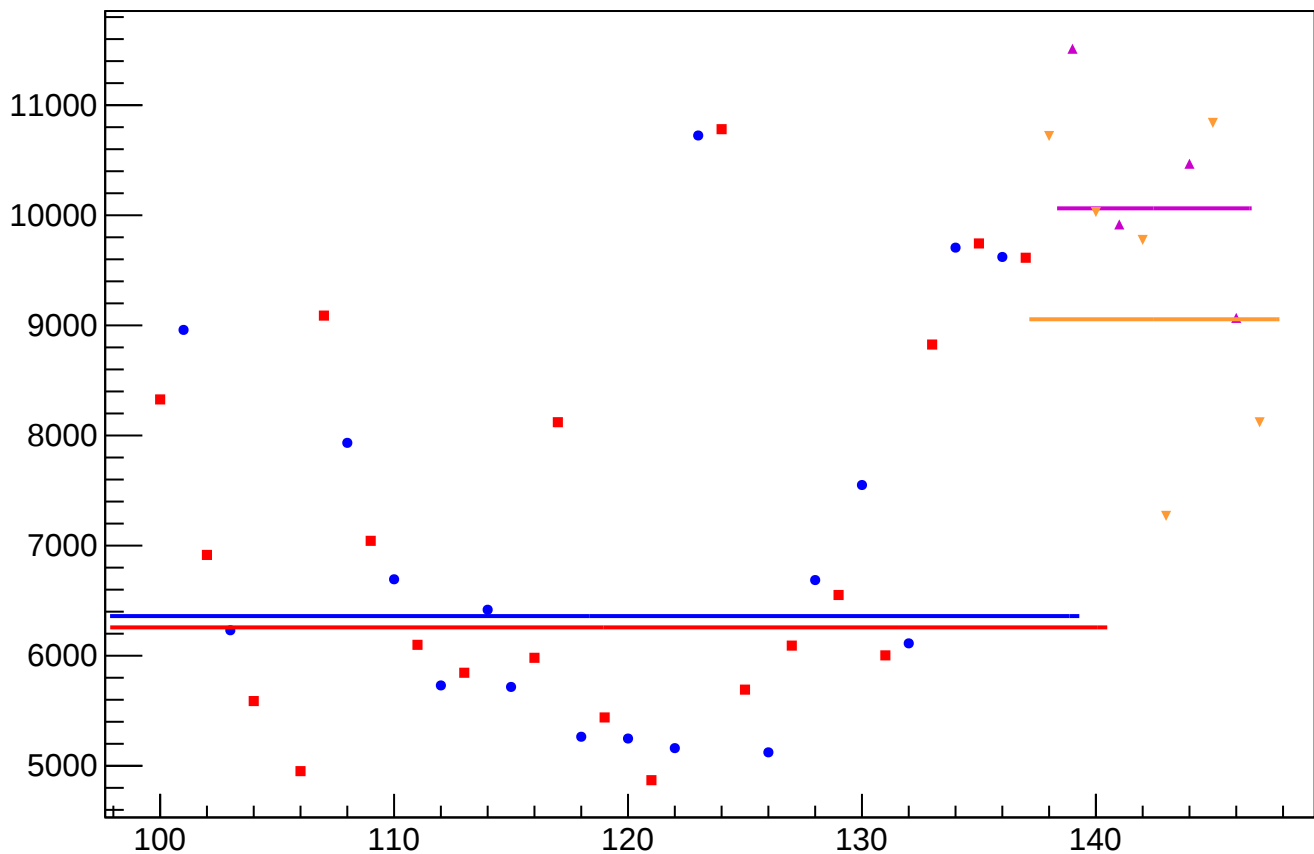
Left In: 2891.281 $\pm$ 5623.499 χ^2 /NDF: 0.4/3

2646.090 $\pm$ 2208.938 χ^2 /NDF: 20.3/22

2686.527 $\pm$ 1565.737 χ^2 /NDF: 41.2/46

2727.359 $\pm$ 2219.673 χ^2 /NDF: 21.0/23

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6359.928 $\pm$ 1.792 χ^2/NDF : 580471.0/16

Left Out: 9055.500 $\pm$ 3.186 χ^2/NDF :194739.1/5

Right Out: 6257.232 $\pm$ 1.708 χ^2/NDF : 537553.3/19

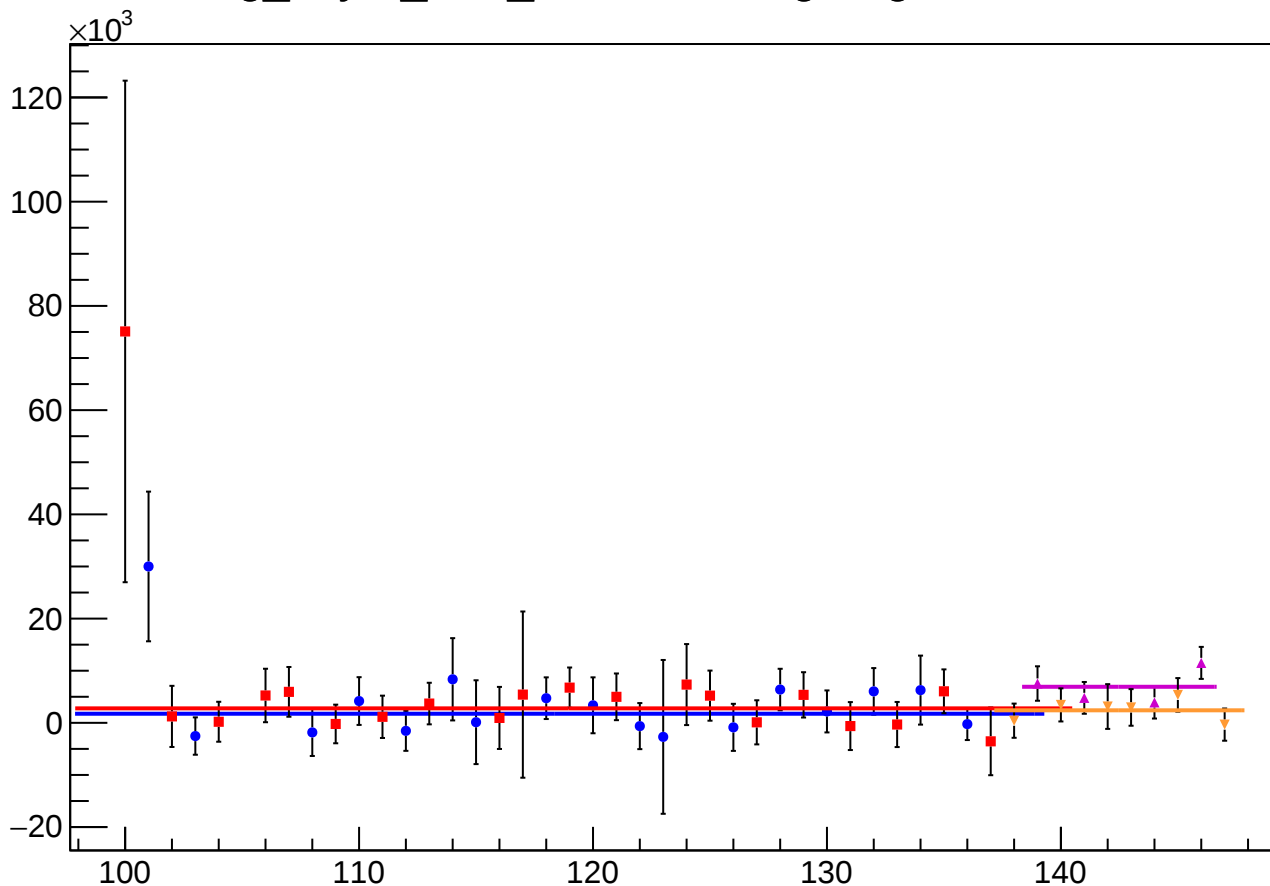
Left In: 10062.846 $\pm$ 3.976 χ^2/NDF :45375.6/3

7007.860 $\pm$ 1.562 χ^2/NDF : 1319022.5/22

6929.358 $\pm$ 1.107 χ^2/NDF : 2680275.2/46

6850.097 $\pm$ 1.569 χ^2/NDF : 1356176.2/23

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2402.261+/-1375.366 χ^2/NDF : 2.2/5

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

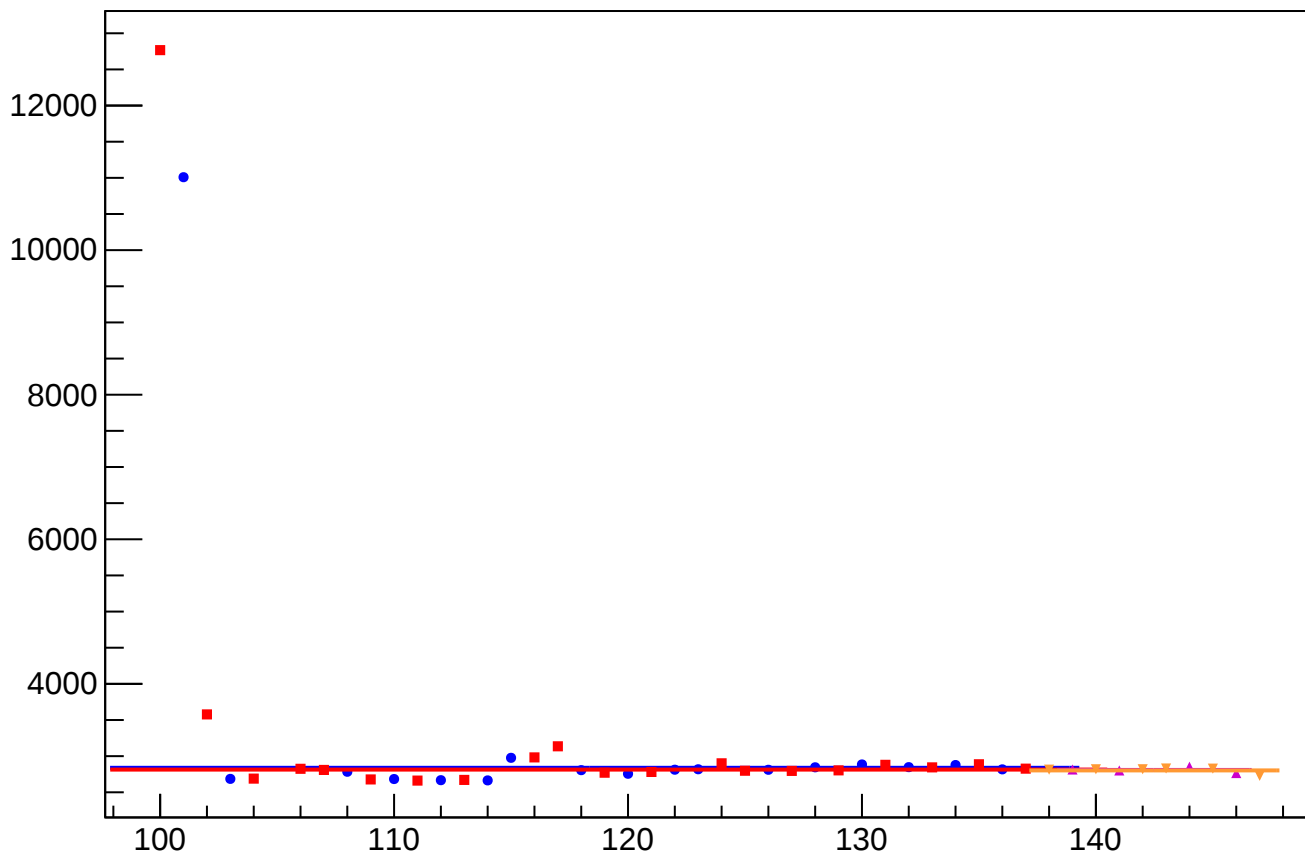
Left In: 6918.245+/-1562.487 χ^2/NDF : 3.7/3

2010.057+/-872.425 χ^2/NDF : 14.5/22

3041.695+/-620.454 χ^2/NDF : 35.5/46

4097.468+/-882.572 χ^2/NDF : 18.2/23

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2838.737 $\pm$ 0.798 χ^2 /NDF: 660209.3/16

Left Out: 2802.729 $\pm$ 0.973 χ^2 /NDF:1511.5/5

Right Out: 2814.083 $\pm$ 0.756 χ^2 /NDF: 133883.7/19

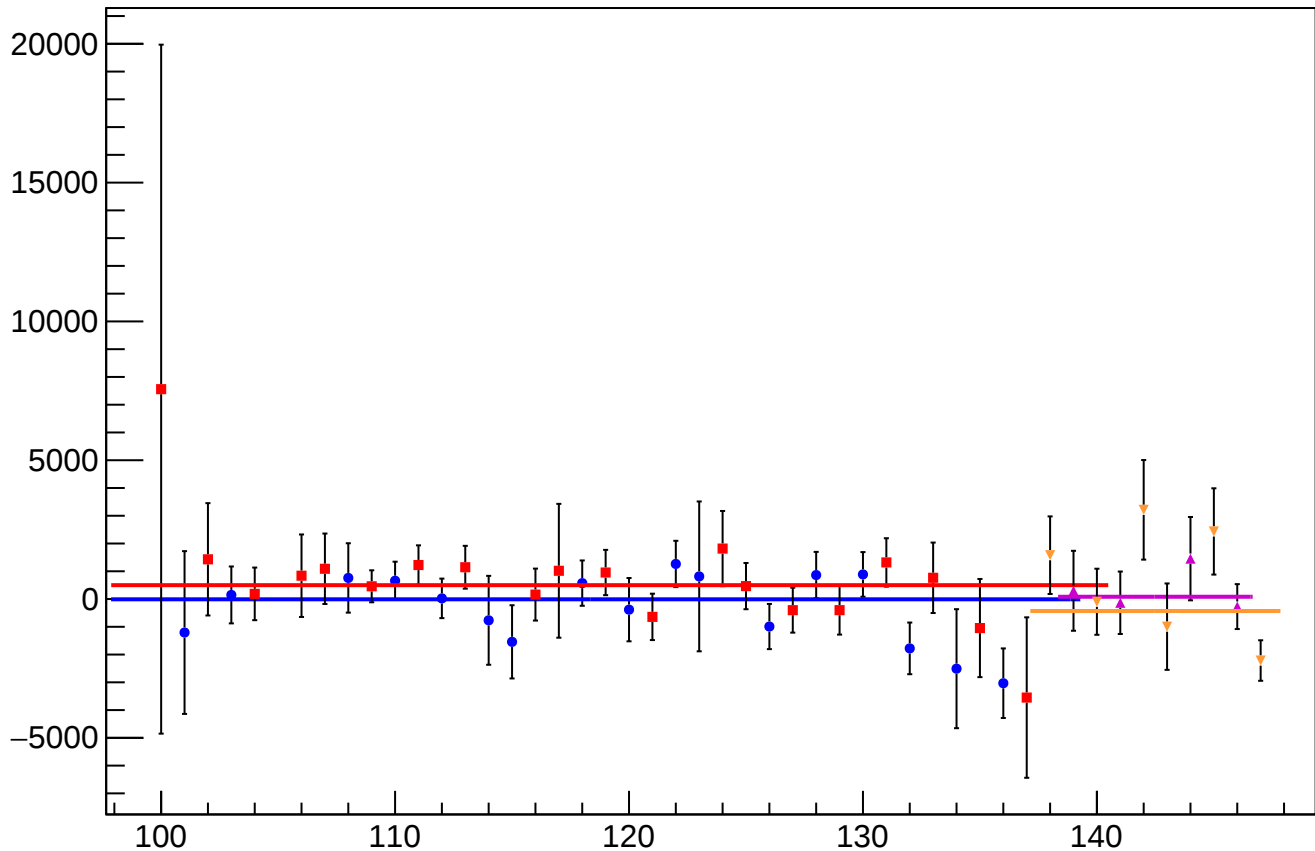
Left In: 2809.136 $\pm$ 1.105 χ^2 /NDF:834.1/3

2824.249 $\pm$ 0.617 χ^2 /NDF: 662540.1/22

2818.445 $\pm$ 0.439 χ^2 /NDF: 797450.7/46

2812.504 $\pm$ 0.624 χ^2 /NDF: 134731.5/23

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845 ± 241.678 $\chi^2/\text{NDF}: 20.7/16$

Left Out: -430.729 ± 485.966 $\chi^2/\text{NDF}: 15.8/5$

Right Out: 499.625 ± 220.558 $\chi^2/\text{NDF}: 11.9/19$

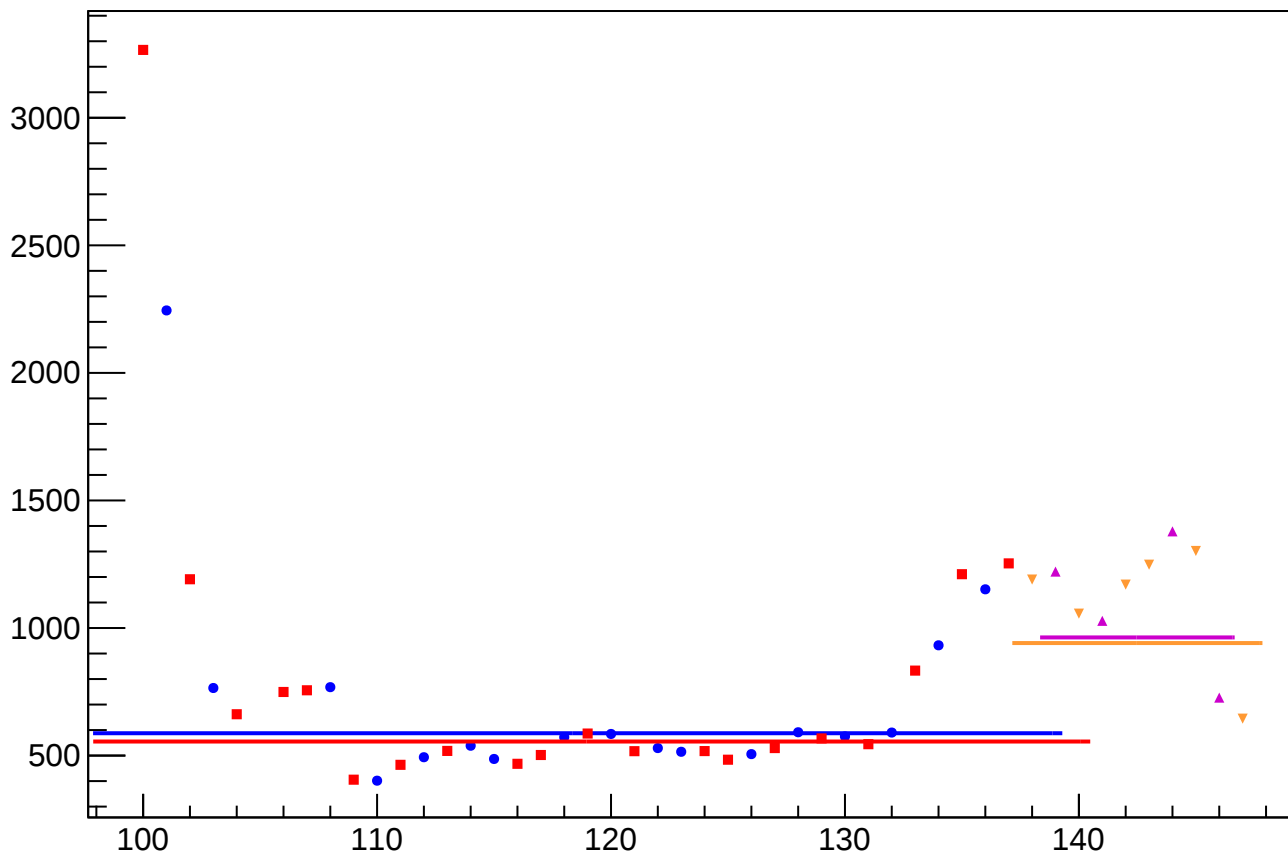
Left In: 82.316 ± 555.147 $\chi^2/\text{NDF}: 1.1/3$

-93.299 ± 216.396 $\chi^2/\text{NDF}: 37.1/22$

189.238 ± 148.812 $\chi^2/\text{NDF}: 53.8/46$

442.735 ± 204.973 $\chi^2/\text{NDF}: 13.5/23$

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 941.073+/-0.344 χ^2/NDF : 630491.5/5

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

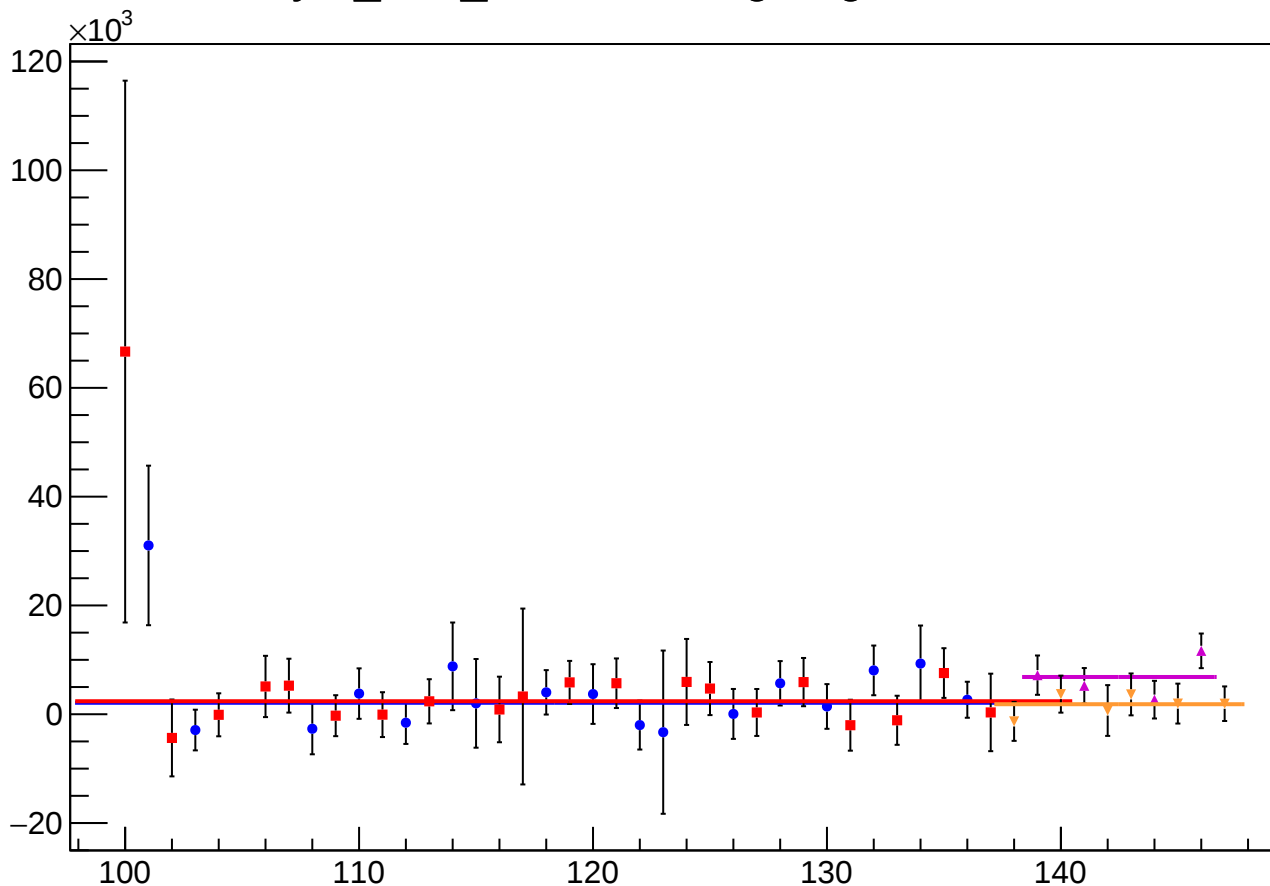
Left In: 963.116+/-0.393 χ^2/NDF : 394494.0/3

657.684+/-0.153 χ^2/NDF : 2904582.2/22

632.926+/-0.105 χ^2/NDF : 5389607.8/46

610.713+/-0.145 χ^2/NDF : 2435356.2/23

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 1841.319 ± 1488.576 χ^2/NDF : 1.4/5

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

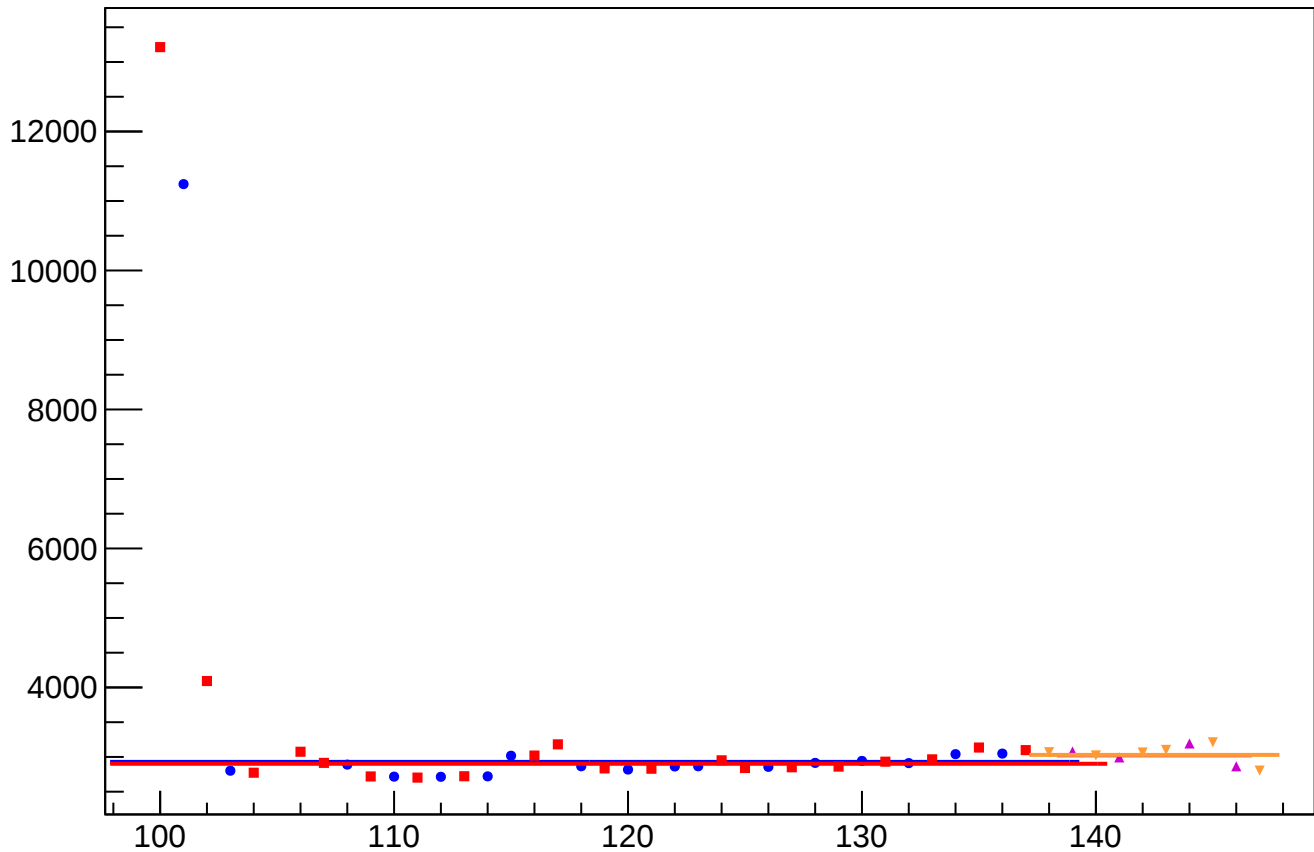
Left In: 6848.463 ± 1683.107 χ^2/NDF : 4.0/3

2007.083 ± 917.111 χ^2/NDF : 14.9/22

2864.557 ± 651.356 χ^2/NDF : 35.4/46

3737.331 ± 925.257 χ^2/NDF : 18.8/23

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 3029.488+/-1.053 χ^2/NDF : 16050.1/5

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

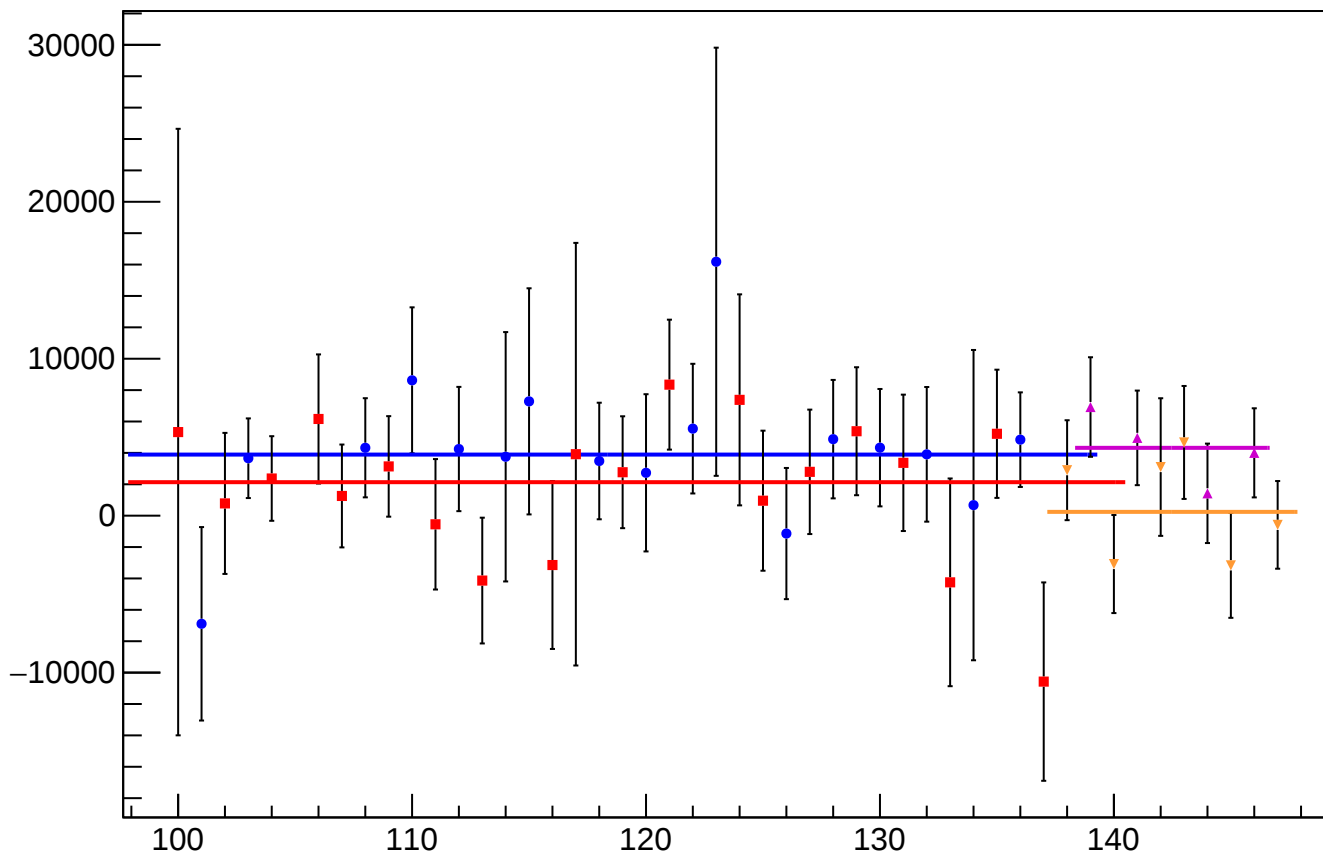
Left In: 3023.554+/-1.190 χ^2/NDF : 10413.7/3

2966.957+/-0.648 χ^2/NDF : 684101.4/22

2952.898+/-0.461 χ^2/NDF : 873088.6/46

2938.588+/-0.654 χ^2/NDF : 188038.8/23

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 242.425+/-1350.935 χ^2/NDF : 4.9/5

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

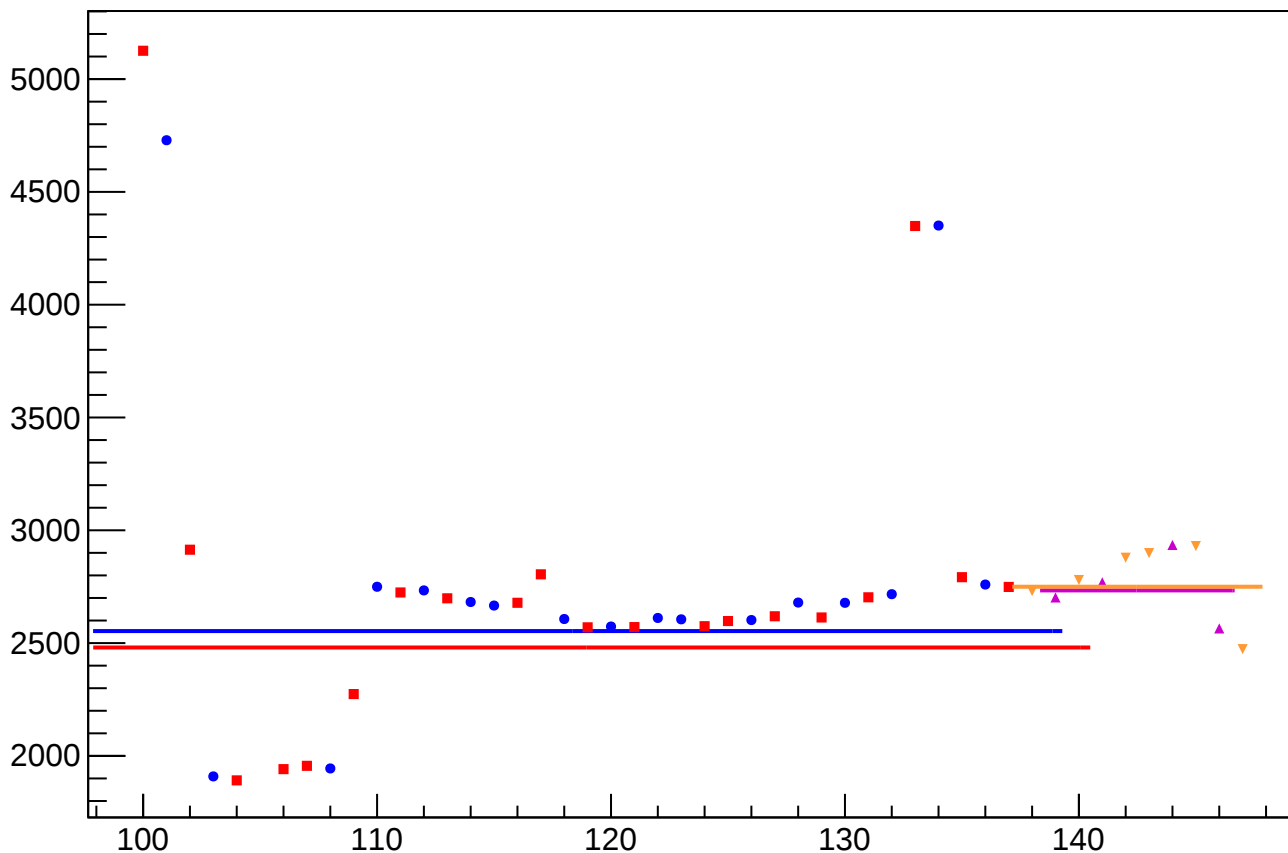
Left In: 4322.091+/-1519.276 χ^2/NDF : 1.6/3

2580.938+/-809.801 χ^2/NDF : 16.7/22

2667.764+/-572.381 χ^2/NDF : 34.1/46

2754.447+/-809.138 χ^2/NDF : 17.4/23

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.280 ± 0.715 $\chi^2/\text{NDF}: 545226.9/16$

Left Out: 2749.858 ± 0.955 $\chi^2/\text{NDF}: 30825.2/5$

Right Out: 2480.504 ± 0.676 $\chi^2/\text{NDF}: 450669.1/19$

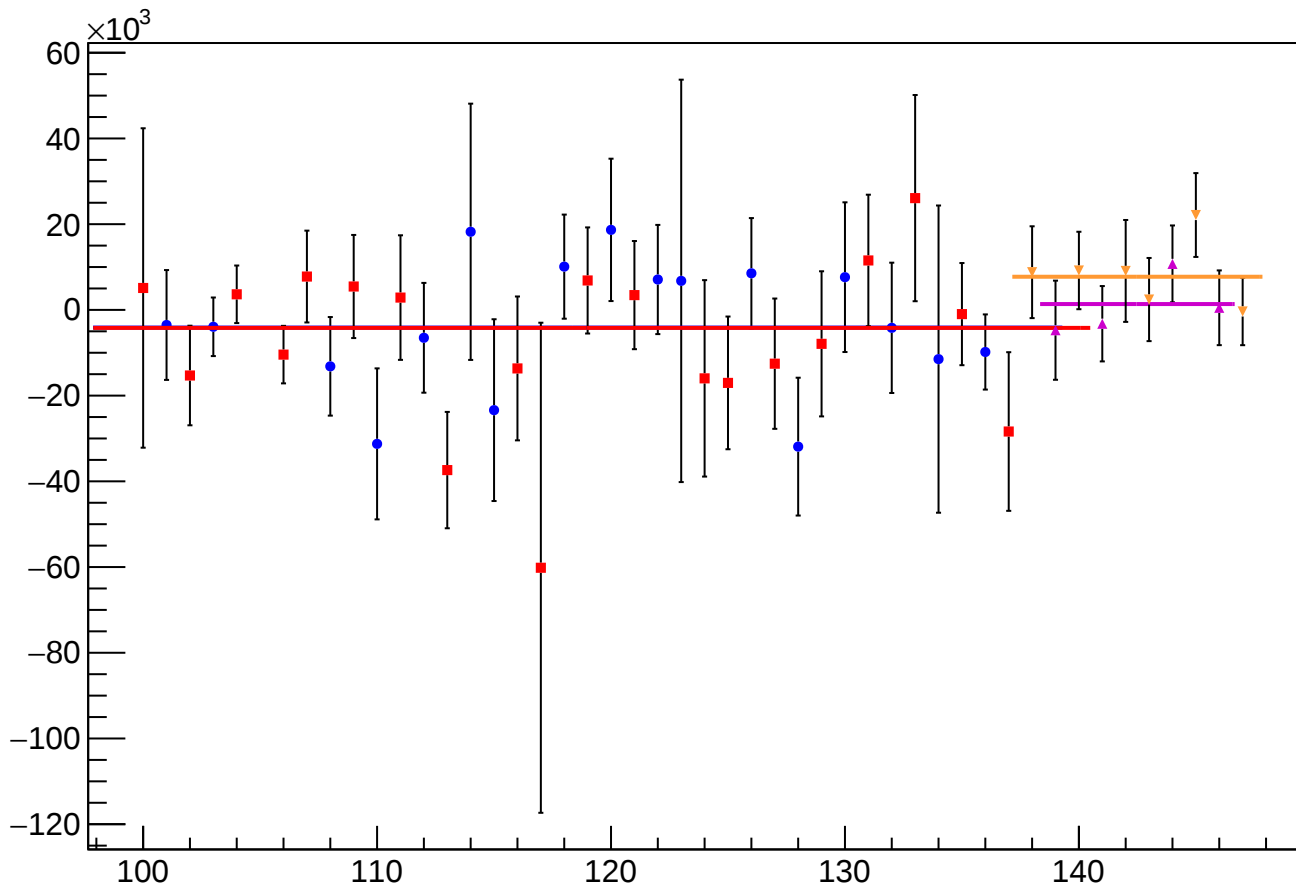
Left In: 2733.541 ± 1.074 $\chi^2/\text{NDF}: 15620.8/3$

2623.916 ± 0.573 $\chi^2/\text{NDF}: 603183.0/22$

2588.066 ± 0.405 $\chi^2/\text{NDF}: 1117048.2/46$

2552.275 ± 0.572 $\chi^2/\text{NDF}: 506032.4/23$

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 7736.490 ± 3914.666 χ^2/NDF : 3.6/5

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

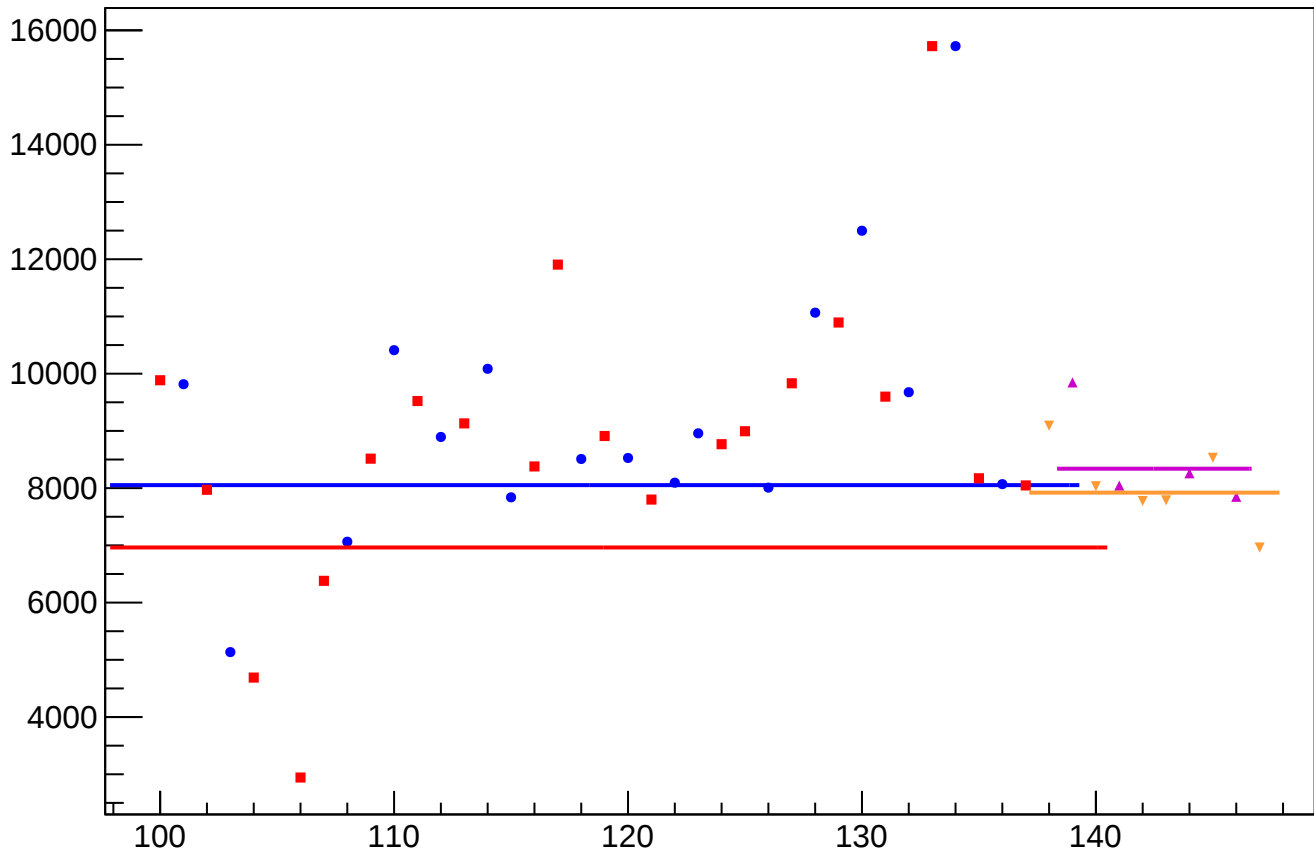
Left In: 1362.918 ± 4662.289 χ^2/NDF : 1.7/3

673.394 ± 2490.053 χ^2/NDF : 22.4/22

-1061.608 ± 1735.338 χ^2/NDF : 45.5/46

-2700.002 ± 2419.735 χ^2/NDF : 22.2/23

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 7921.611+/-2.768 χ^2/NDF : 62343.2/5

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

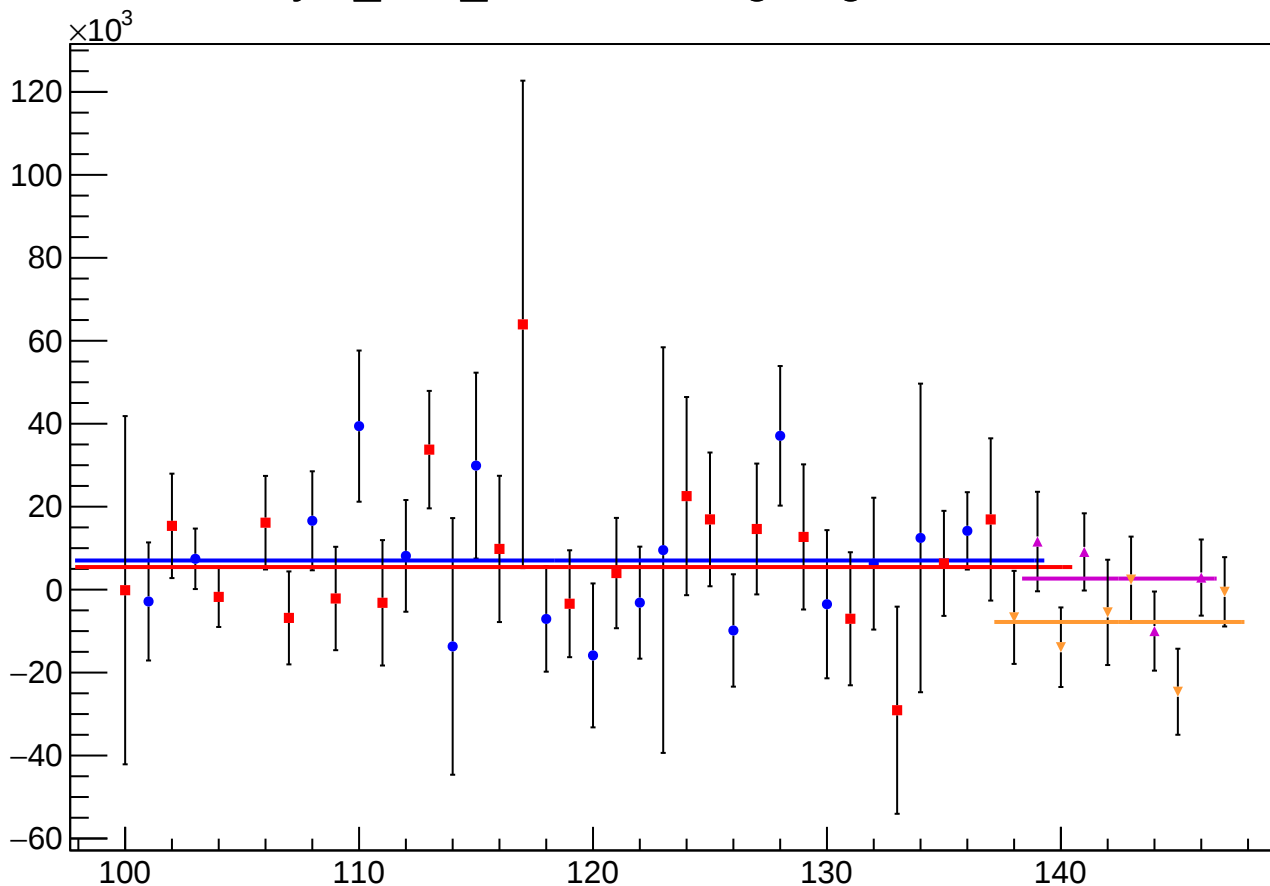
Left In: 8339.580+/-3.297 χ^2/NDF : 42741.3/3

7999.573+/-1.761 χ^2/NDF : 854399.7/22

7657.187+/-1.227 χ^2/NDF : 2889599.6/46

7333.865+/-1.711 χ^2/NDF : 1961678.7/23

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -7799.288 $\pm$ 4154.080 χ^2 /NDF: 4.8/5

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

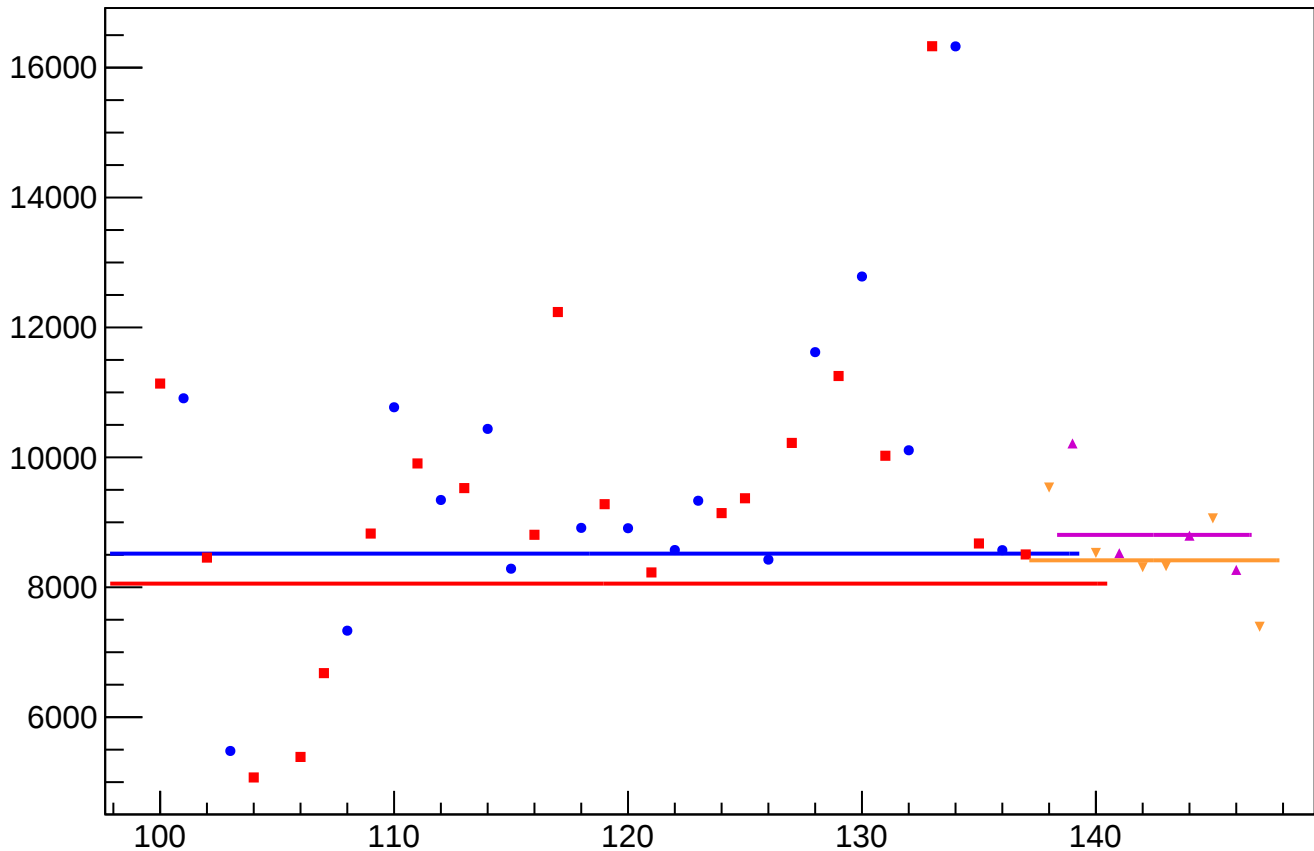
Left In: 2664.027 $\pm$ 4917.141 χ^2 /NDF: 2.8/3

1058.454 $\pm$ 2635.470 χ^2 /NDF: 27.4/22

2826.669 $\pm$ 1872.351 χ^2 /NDF: 45.7/46

4628.652 $\pm$ 2660.517 χ^2 /NDF: 17.4/23

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 8414.925+/-2.937 χ^2/NDF : 58247.6/5

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

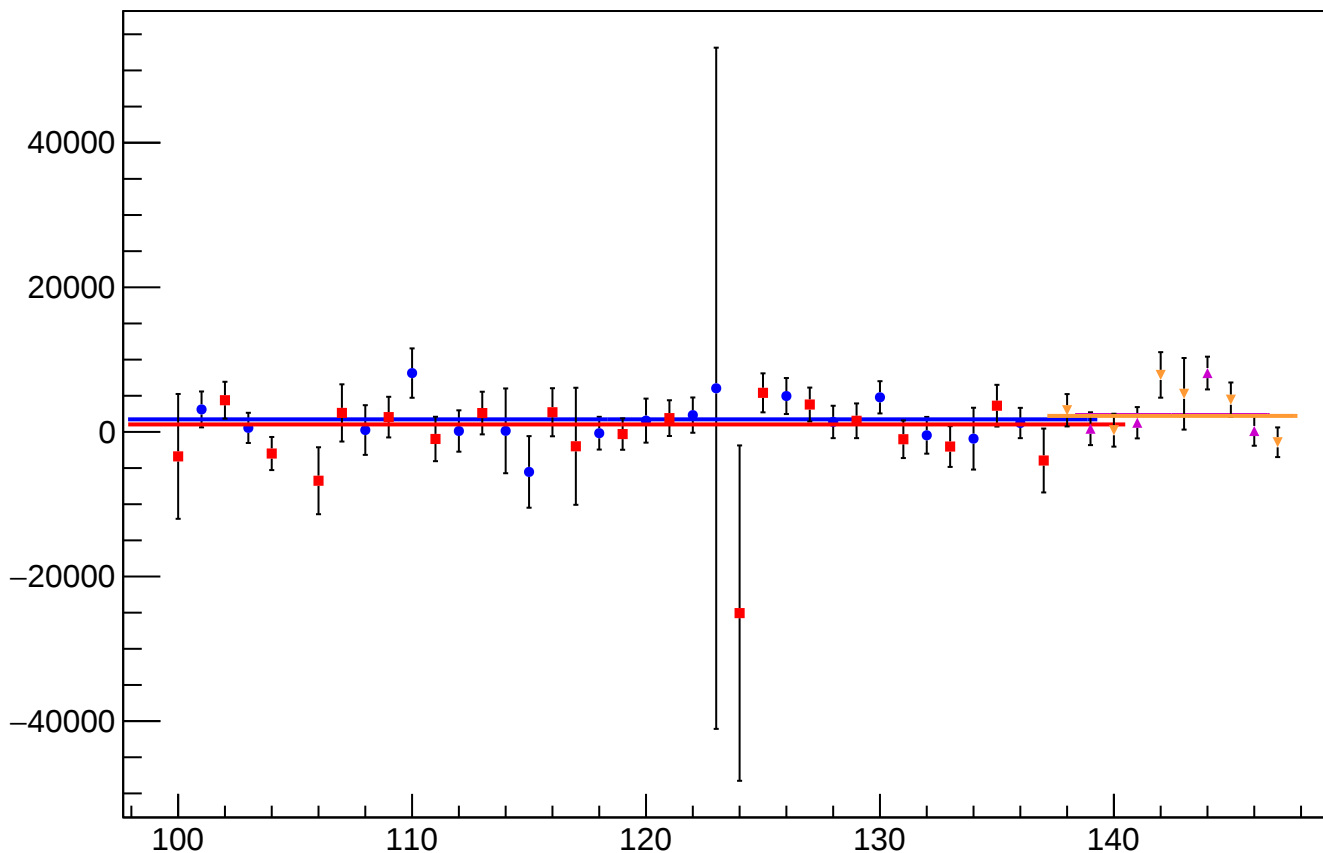
Left In: 8806.430+/-3.477 χ^2/NDF : 36287.7/3

8476.444+/-1.864 χ^2/NDF : 822263.2/22

8377.064+/-1.324 χ^2/NDF : 1859508.0/46

8275.790+/-1.881 χ^2/NDF : 1031502.9/23

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 2215.988+/-1026.511 χ^2/NDF : 8.5/5

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

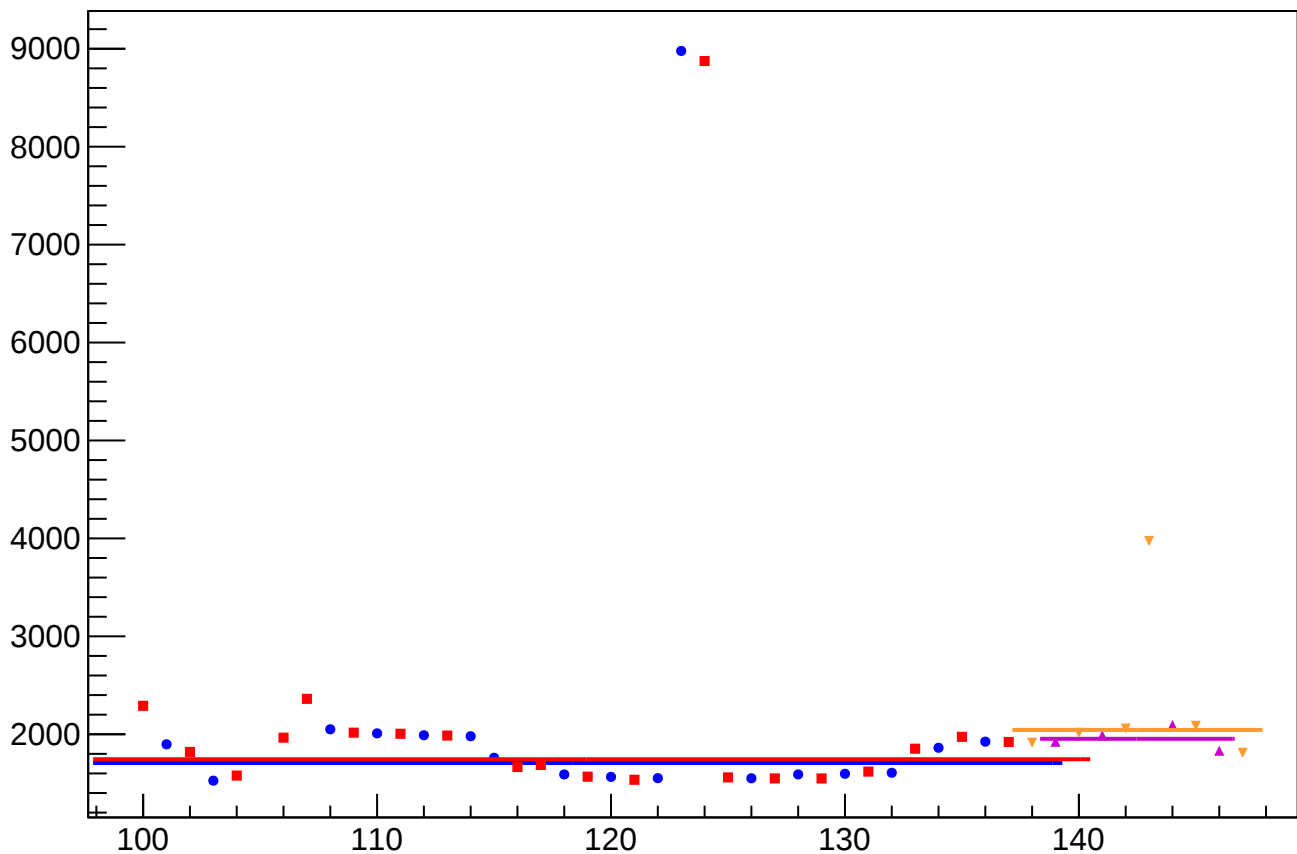
Left In: 2341.809+/-1089.167 χ^2/NDF : 8.7/3

1882.064+/-561.297 χ^2/NDF : 21.1/22

1641.043+/-399.891 χ^2/NDF : 50.2/46

1392.611+/-569.862 χ^2/NDF : 28.7/23

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1706.867 $\pm$ 0.474 χ^2 /NDF: 197555.1/16

Left Out: 2044.204 $\pm$ 0.726 χ^2 /NDF: 336887.5/5

Right Out: 1745.037 $\pm$ 0.471 χ^2 /NDF: 399916.1/19

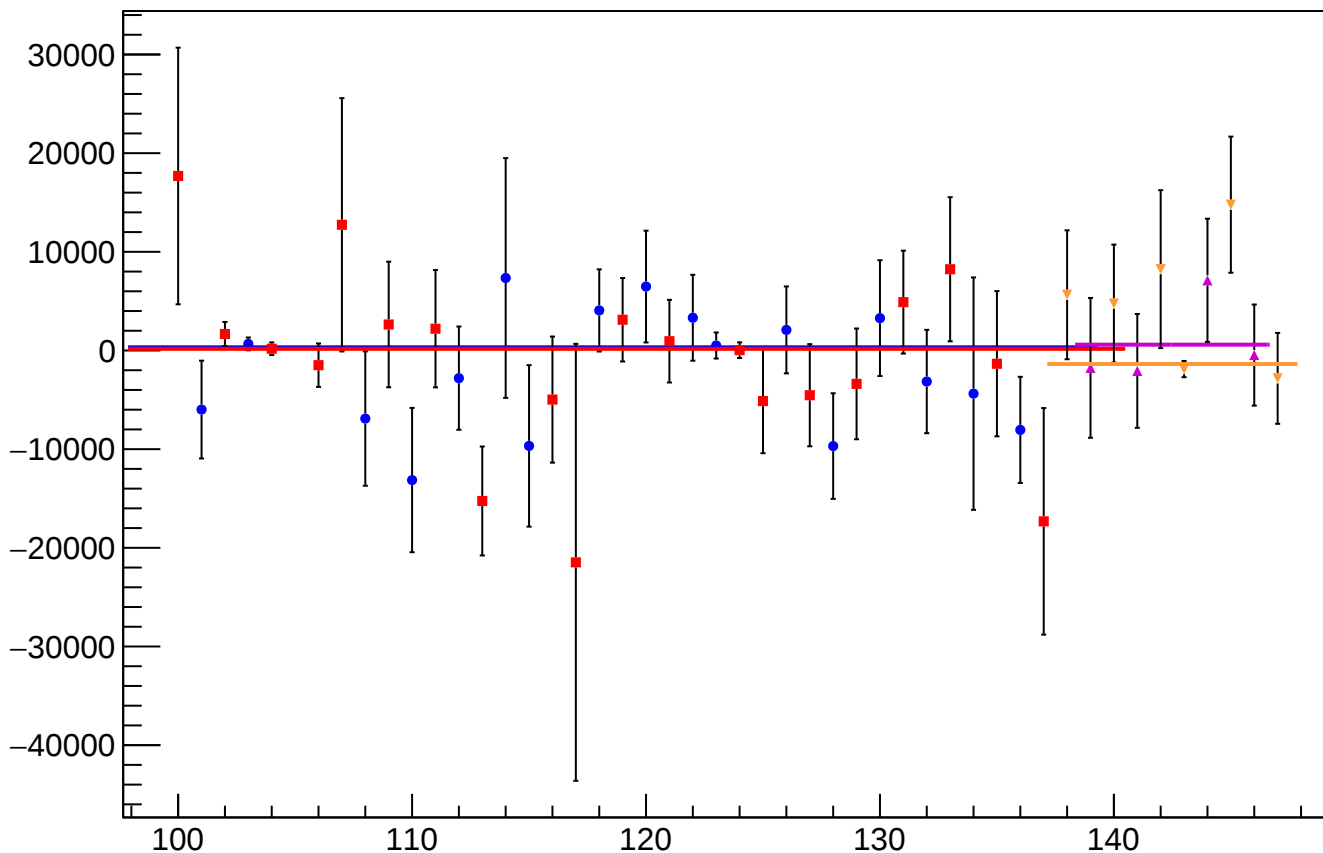
Left In: 1953.612 $\pm$ 0.770 χ^2 /NDF: 15744.1/3

1807.728 $\pm$ 0.397 χ^2 /NDF: 685852.9/22

1804.783 $\pm$ 0.282 χ^2 /NDF: 1155020.0/46

1801.767 $\pm$ 0.402 χ^2 /NDF: 469055.7/23

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1369.148+/-789.558 χ^2/NDF : 9.6/5

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

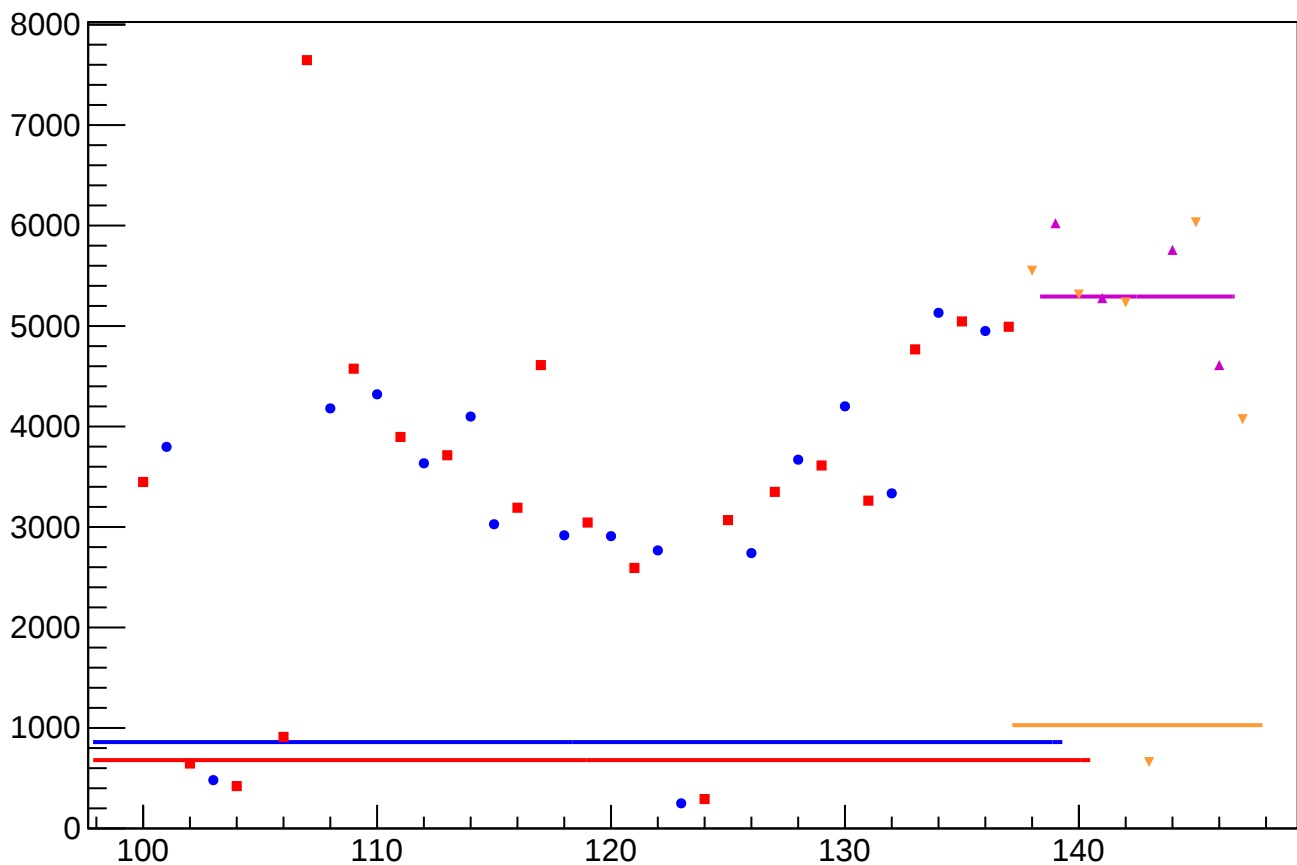
Left In: 590.873+/-2965.714 χ^2/NDF : 1.5/3

-218.220+/-445.941 χ^2/NDF : 30.7/22

-12.826+/-309.131 χ^2/NDF : 54.3/46

177.181+/-428.911 χ^2/NDF : 23.2/23

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1028.086+/-0.558 χ^2/NDF : 4862881.2/5

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

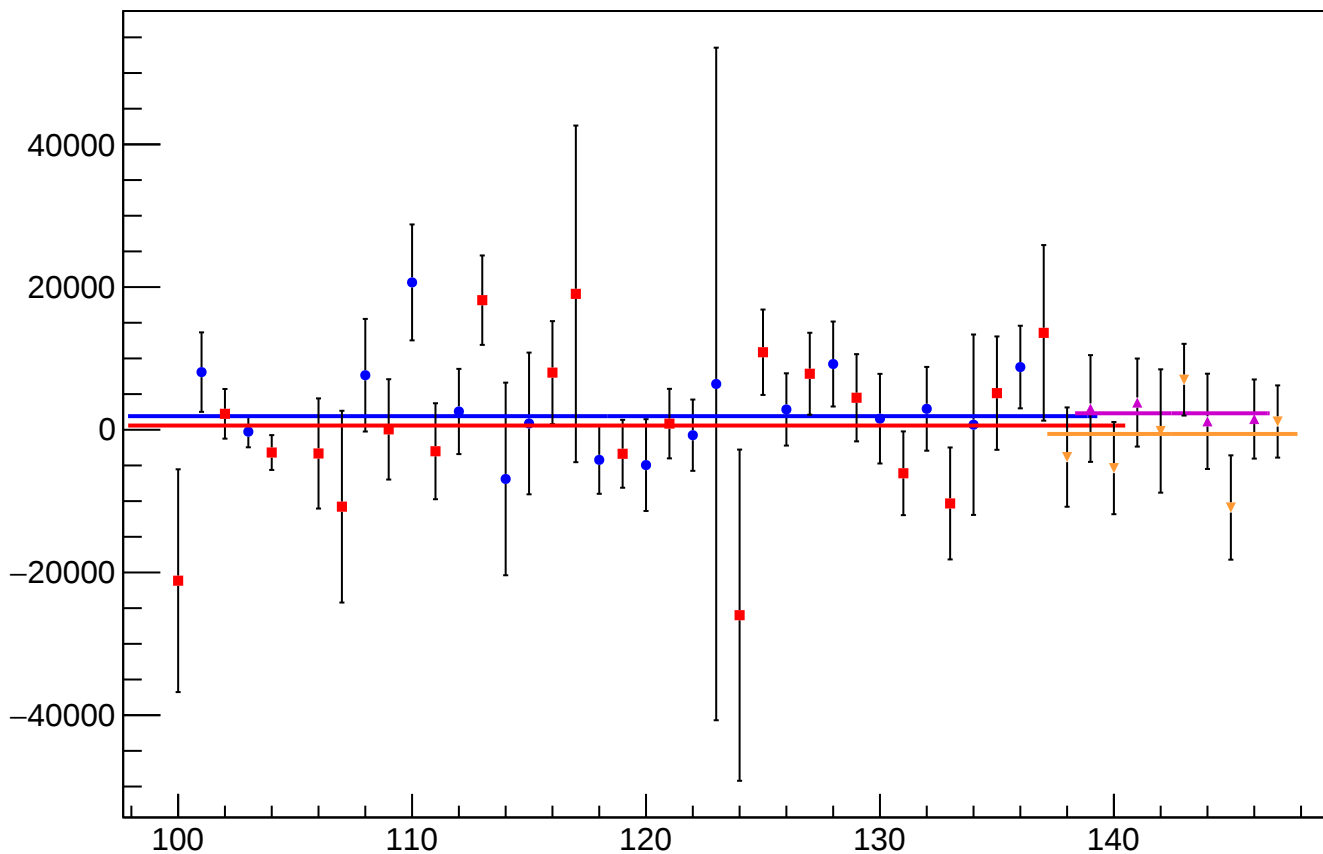
Left In: 5293.584+/-2.097 χ^2/NDF : 67692.2/3

913.317+/-0.315 χ^2/NDF : 13068198.0/22

842.301+/-0.219 χ^2/NDF : 26419990.2/46

776.605+/-0.303 χ^2/NDF : 13254149.8/23

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1909.348 $\pm$ 1310.219 χ^2/NDF : 14.6/16

Left Out: -584.155 $\pm$ 2537.208 χ^2/NDF : 5.2/5

Right Out: 594.380 $\pm$ 1283.911 χ^2/NDF : 27.0/19

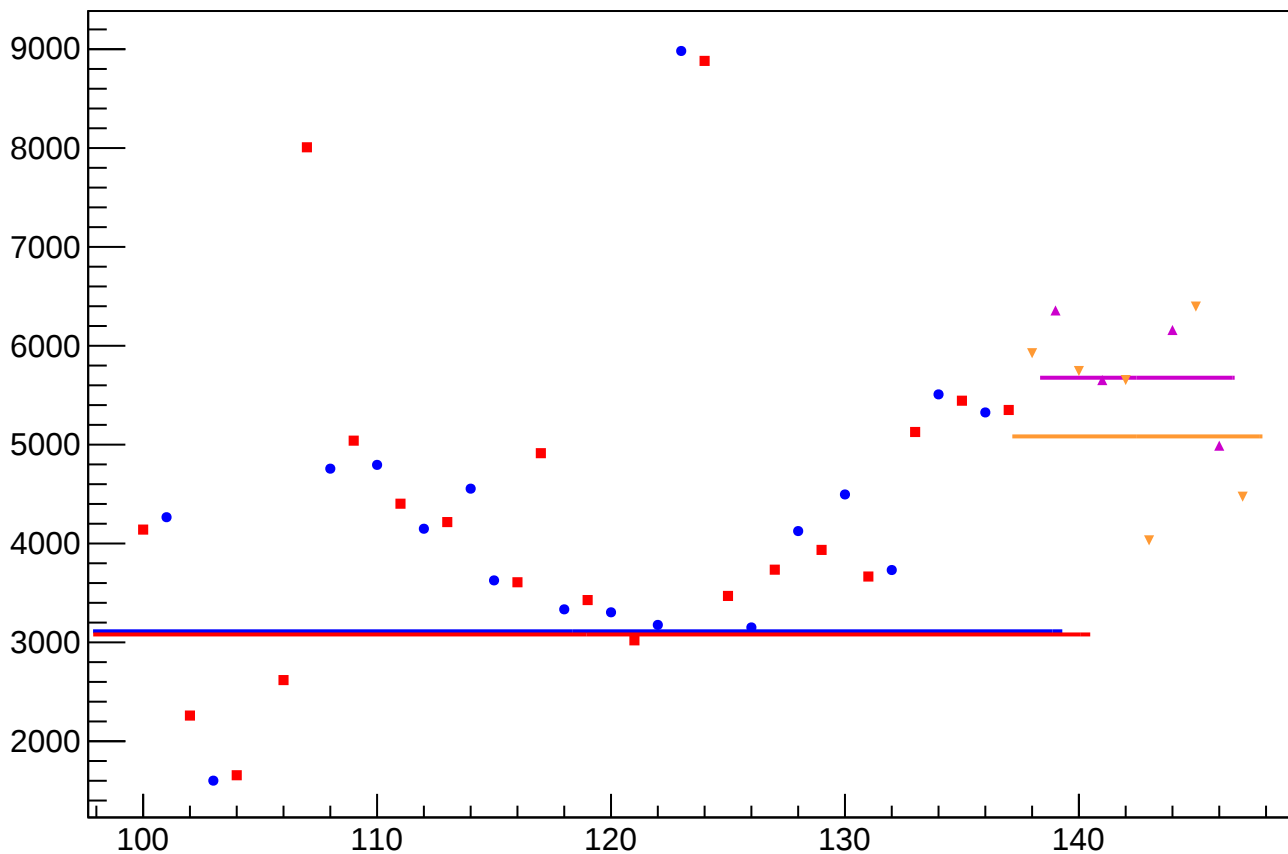
Left In: 2311.136 $\pm$ 3176.664 χ^2/NDF : 0.1/3

1384.393 $\pm$ 1164.158 χ^2/NDF : 20.5/22

1116.025 $\pm$ 832.294 χ^2/NDF : 48.0/46

835.440 $\pm$ 1190.363 χ^2/NDF : 27.4/23

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5083.187+/-1.794 χ^2/NDF : 239985.0/5

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

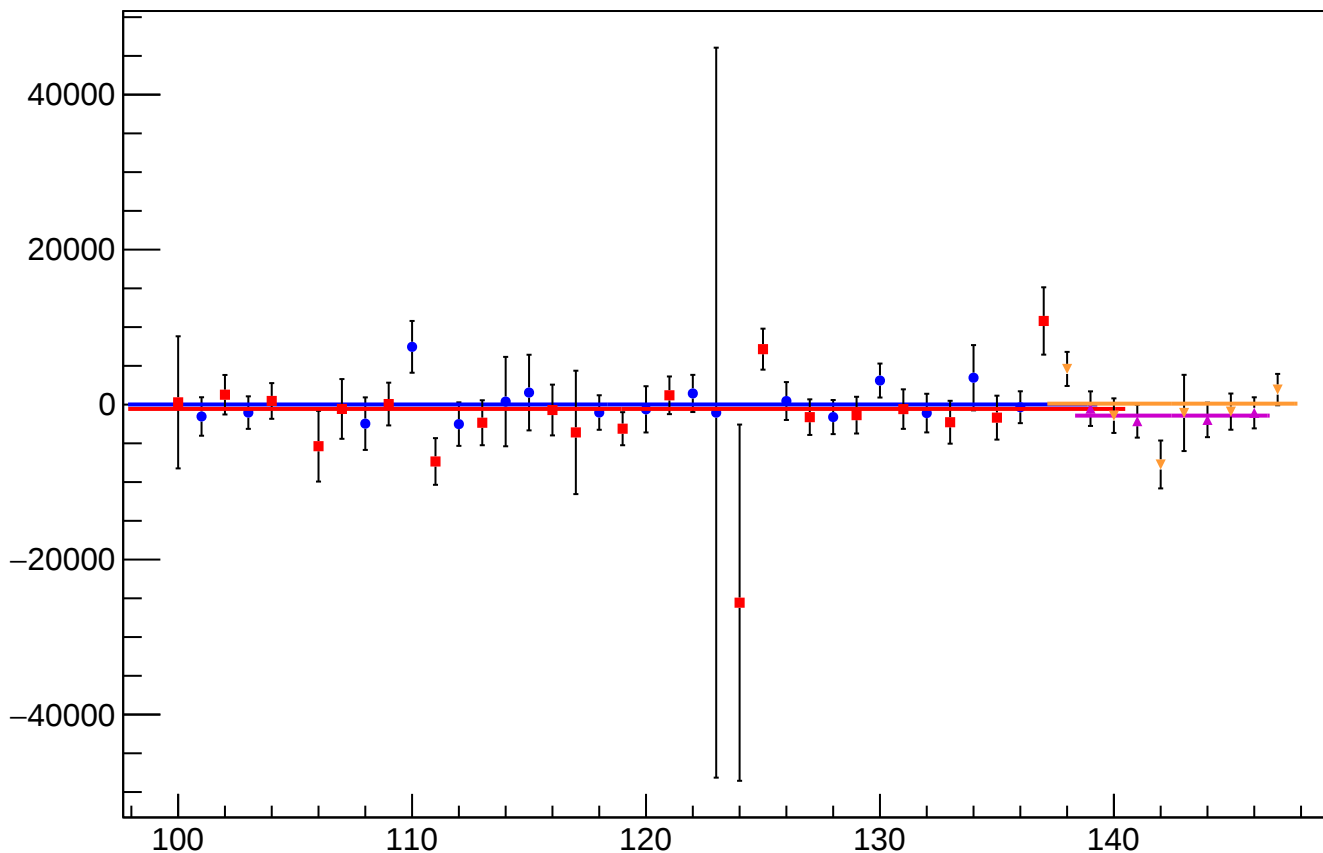
Left In: 5676.815+/-2.246 χ^2/NDF : 57790.1/3

3526.850+/-0.823 χ^2/NDF : 3072752.1/22

3481.706+/-0.585 χ^2/NDF : 6307782.2/46

3435.673+/-0.831 χ^2/NDF : 3228955.8/23

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 ± 661.101 $\chi^2/\text{NDF}: 11.1/16$

Left Out: 120.520 ± 1009.528 $\chi^2/\text{NDF}: 12.1/5$

Right Out: -558.377 ± 658.875 $\chi^2/\text{NDF}: 26.8/19$

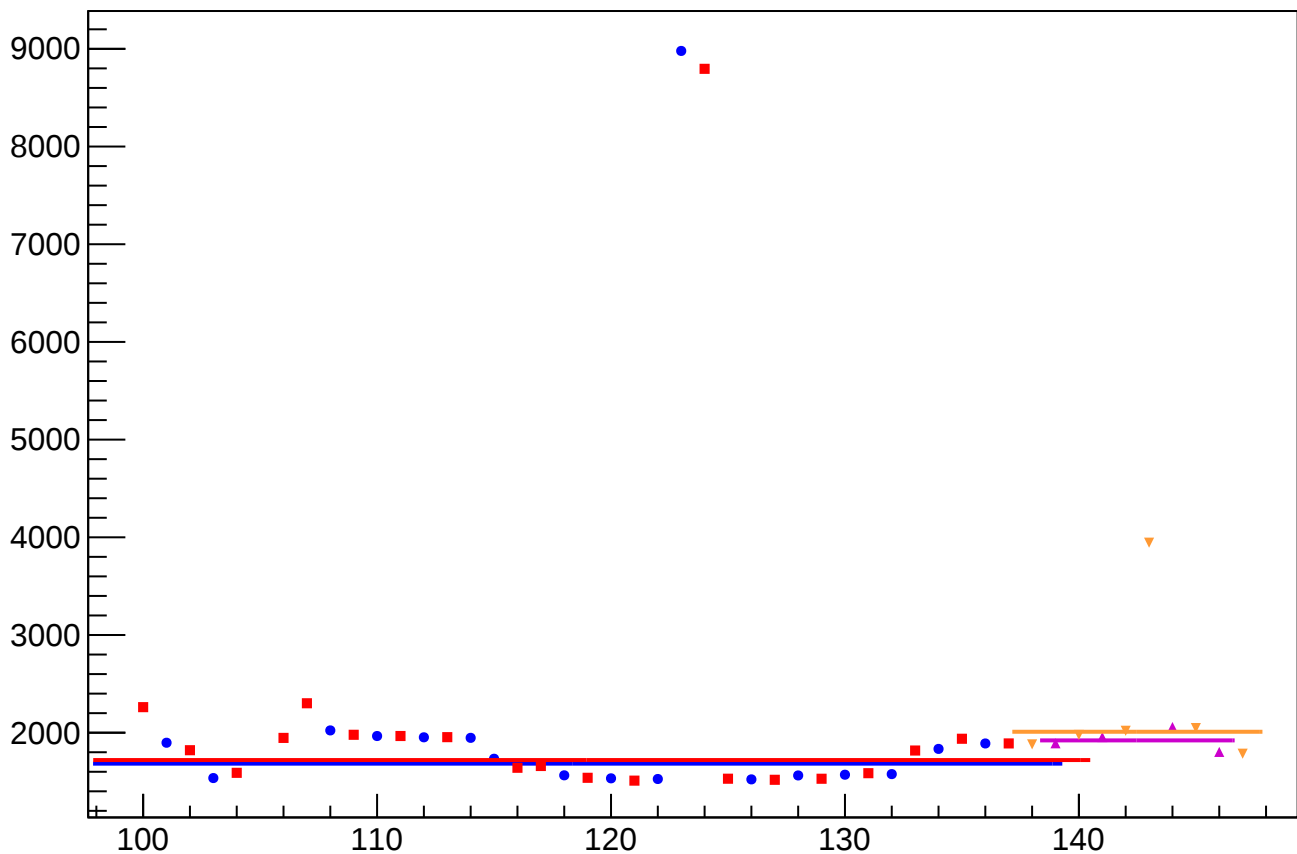
Left In: -1422.283 ± 1071.037 $\chi^2/\text{NDF}: 0.4/3$

46.053 ± 553.064 $\chi^2/\text{NDF}: 23.3/22$

-368.615 ± 393.917 $\chi^2/\text{NDF}: 52.1/46$

-795.556 ± 561.189 $\chi^2/\text{NDF}: 27.7/23$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 2009.599+/-0.714 χ^2/NDF : 342057.1/5

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

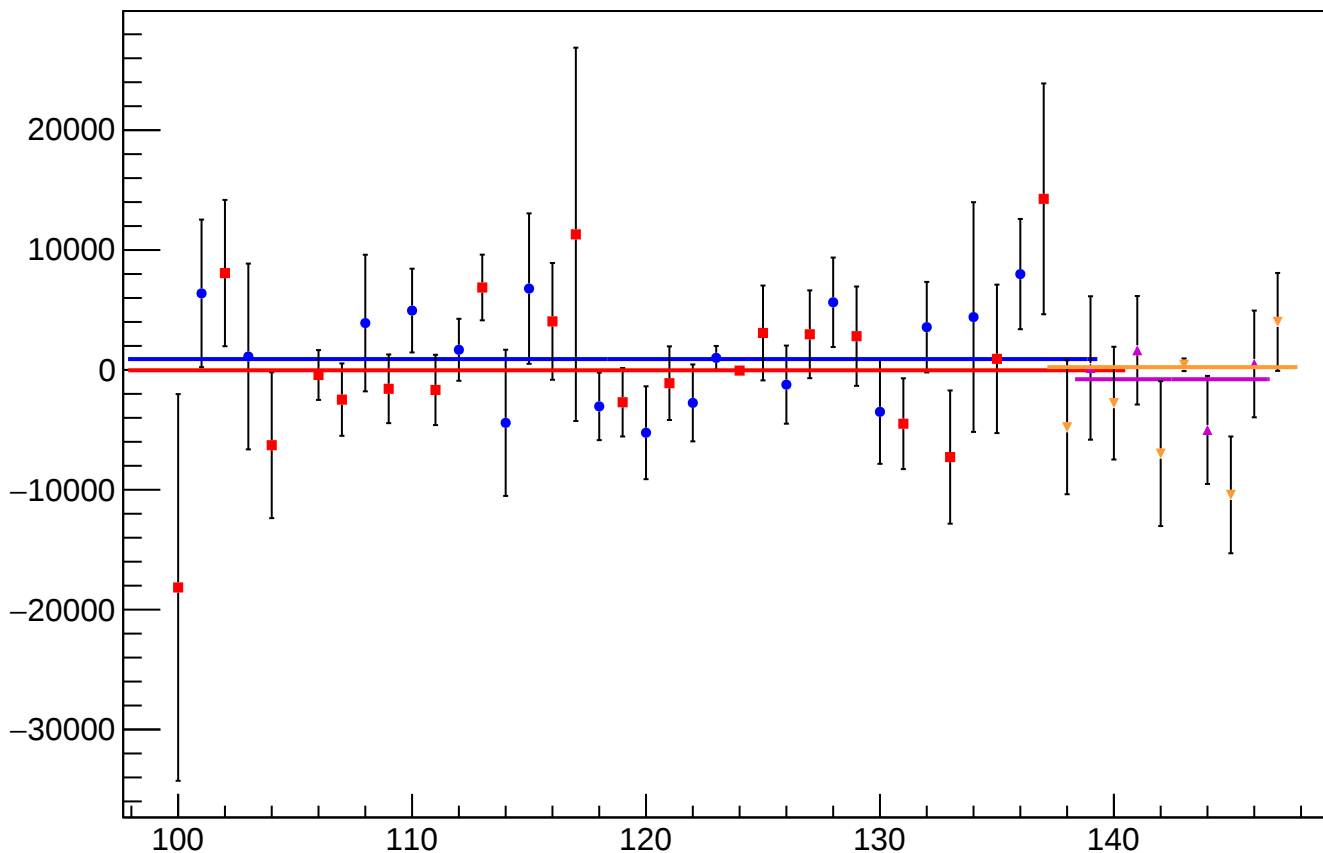
Left In: 1921.211+/-0.757 χ^2/NDF : 15346.3/3

1781.204+/-0.391 χ^2/NDF : 684218.9/22

1778.073+/-0.278 χ^2/NDF : 1147259.9/46

1774.870+/-0.396 χ^2/NDF : 462911.4/23

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 229.785+/-513.174 χ^2/NDF : 8.4/5

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

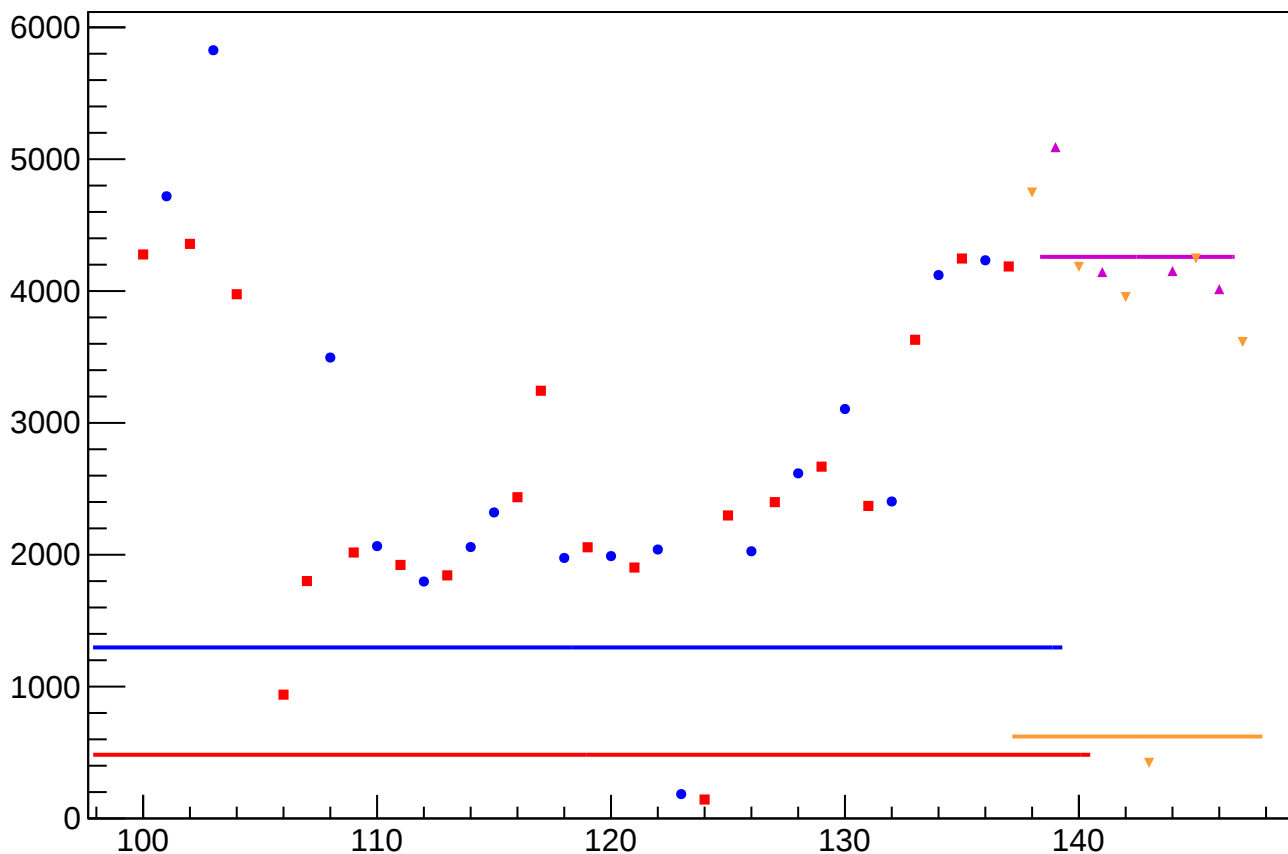
Left In: -777.755+/-2380.803 χ^2/NDF : 1.3/3

462.822+/-415.012 χ^2/NDF : 25.0/22

166.190+/-268.947 χ^2/NDF : 48.3/46

-48.580+/-353.133 χ^2/NDF : 22.4/23

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 621.448+/-0.363 χ^2/NDF : 5311346.1/5

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

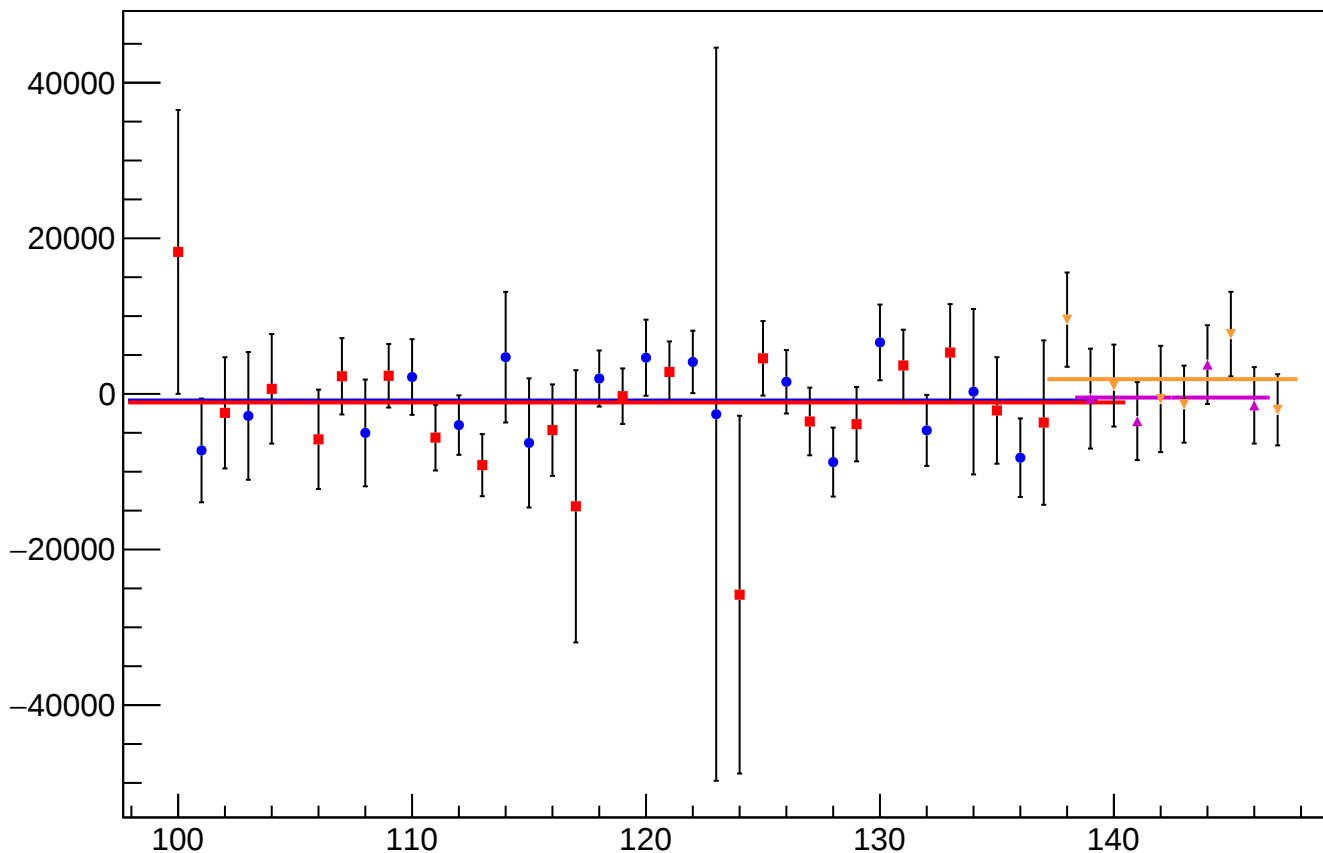
Left In: 4259.284+/-1.683 χ^2/NDF : 47179.2/3

855.176+/-0.293 χ^2/NDF : 13020099.9/22

687.506+/-0.190 χ^2/NDF : 28758053.4/46

566.108+/-0.250 χ^2/NDF : 15175140.2/23

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 1899.529+/-2197.367 χ^2/NDF : 4.1/5

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

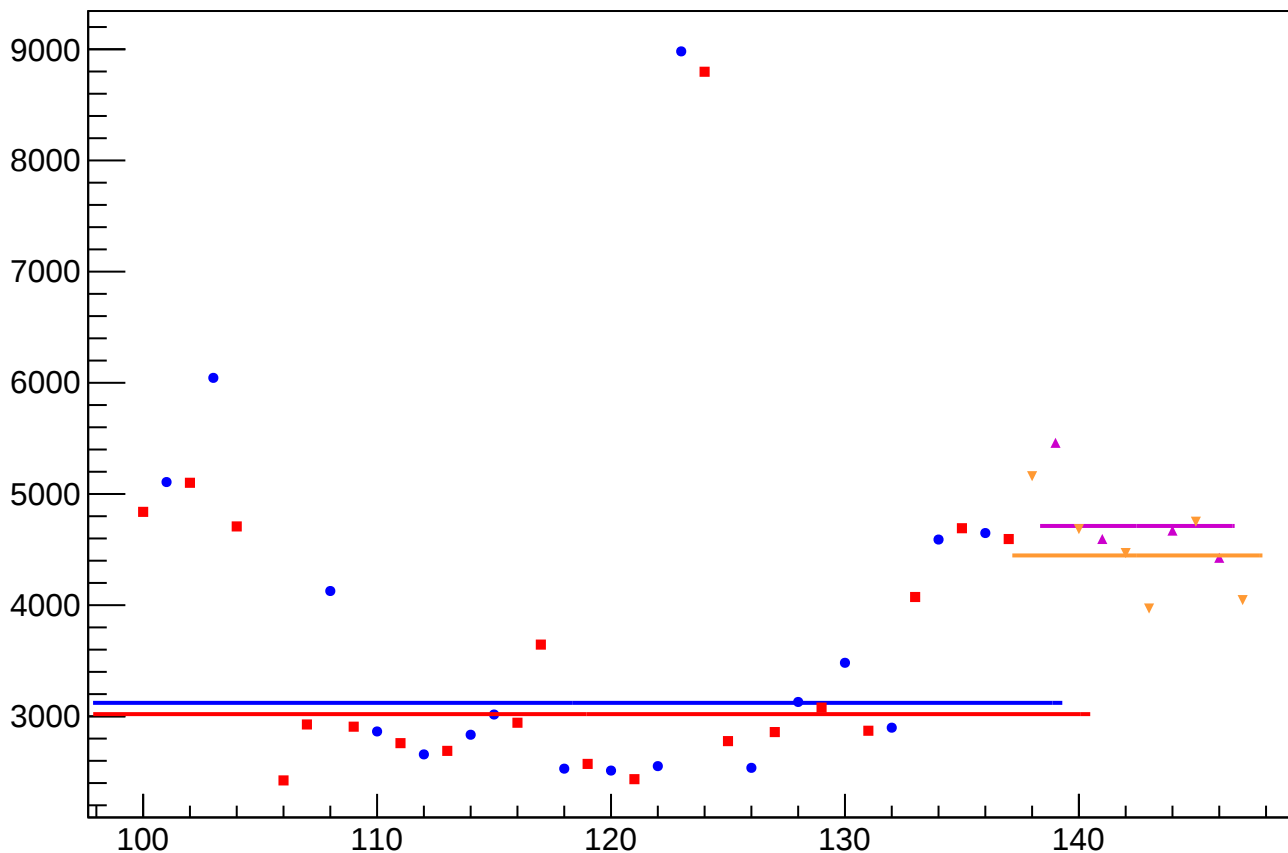
Left In: -469.772+/-2630.501 χ^2/NDF : 1.1/3

-168.342+/-1093.720 χ^2/NDF : 20.7/22

-582.891+/-769.443 χ^2/NDF : 37.7/46

-989.111+/-1082.678 χ^2/NDF : 16.7/23

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3121.417 $\pm$ 0.892 χ^2/NDF : 945708.1/16

Left Out: 4447.211 $\pm$ 1.554 χ^2/NDF : 71949.8/5

Right Out: 3020.039 $\pm$ 0.830 χ^2/NDF : 794563.8/19

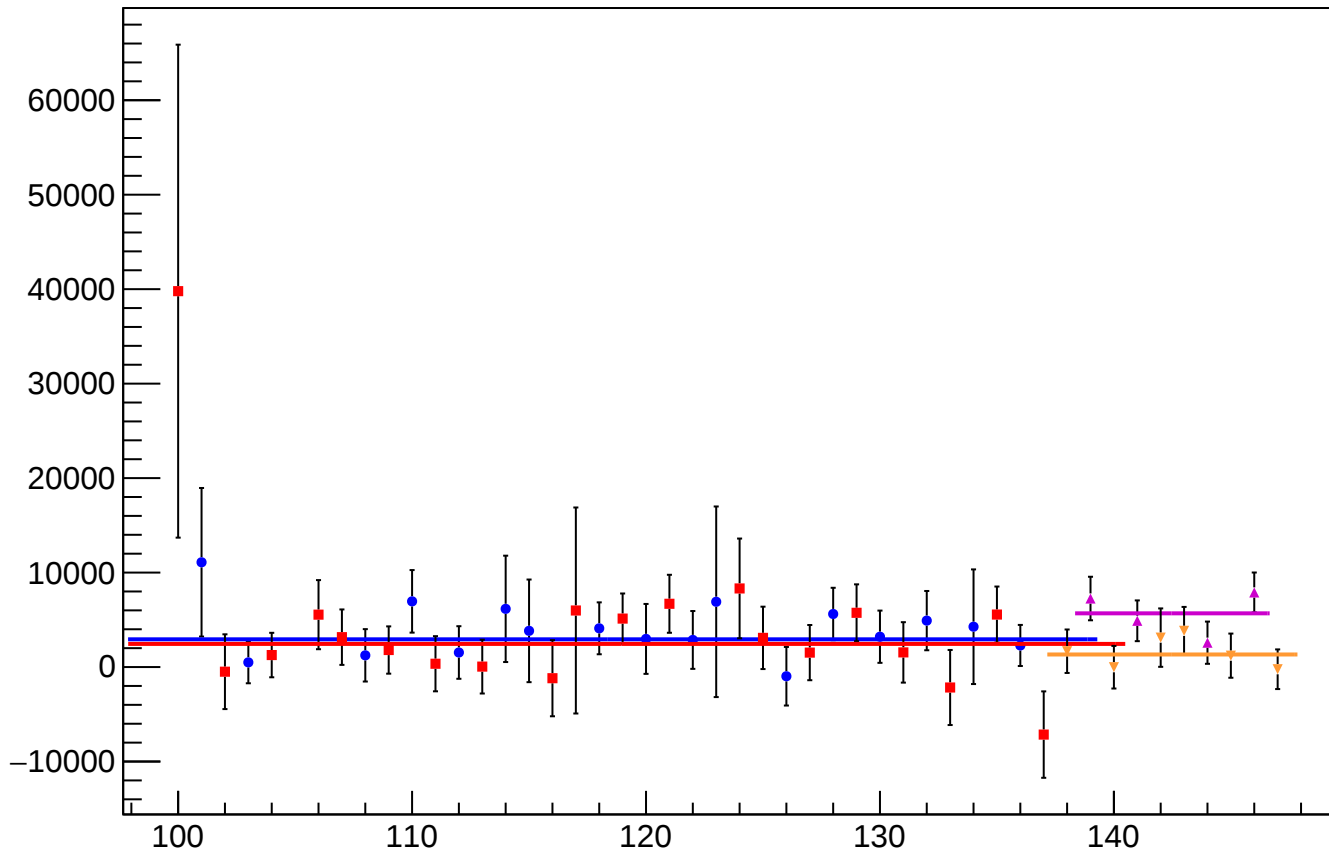
Left In: 4712.466 $\pm$ 1.860 χ^2/NDF : 35158.9/3

3449.875 $\pm$ 0.773 χ^2/NDF : 1565357.1/22

3373.835 $\pm$ 0.541 χ^2/NDF : 3104548.7/46

3300.853 $\pm$ 0.758 χ^2/NDF : 1520245.8/23

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2935.827 $\pm$ 775.365 χ^2 /NDF: 8.2/16

Left Out: 1330.667 $\pm$ 972.963 χ^2 /NDF: 2.2/5

Right Out: 2449.072 $\pm$ 738.715 χ^2 /NDF: 18.3/19

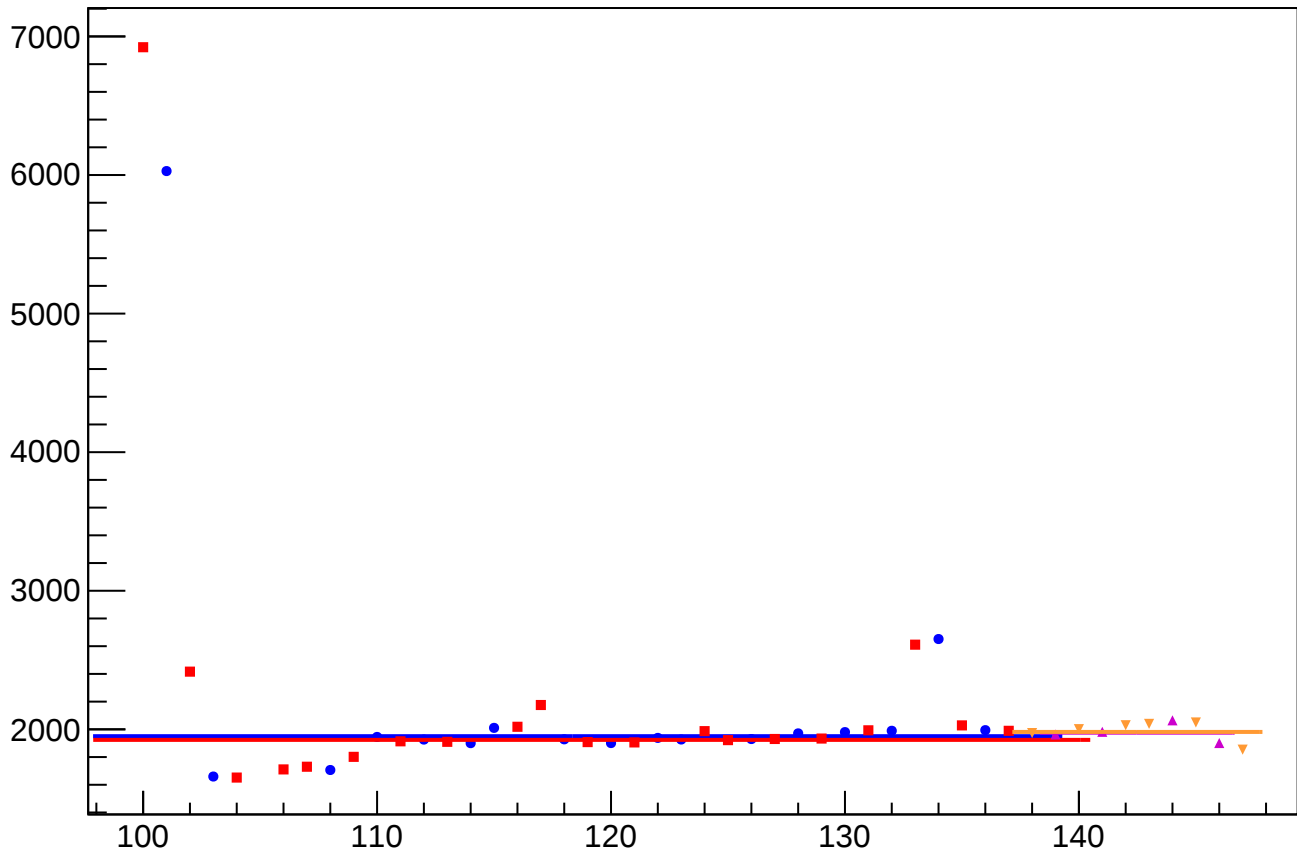
Left In: 5686.390 $\pm$ 1098.850 χ^2 /NDF: 3.6/3

2312.376 $\pm$ 606.371 χ^2 /NDF: 12.1/22

2878.277 $\pm$ 431.114 χ^2 /NDF: 41.7/46

3456.734 $\pm$ 613.060 χ^2 /NDF: 27.9/23

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1981.331+/-0.688 χ^2/NDF :10848.2/5

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

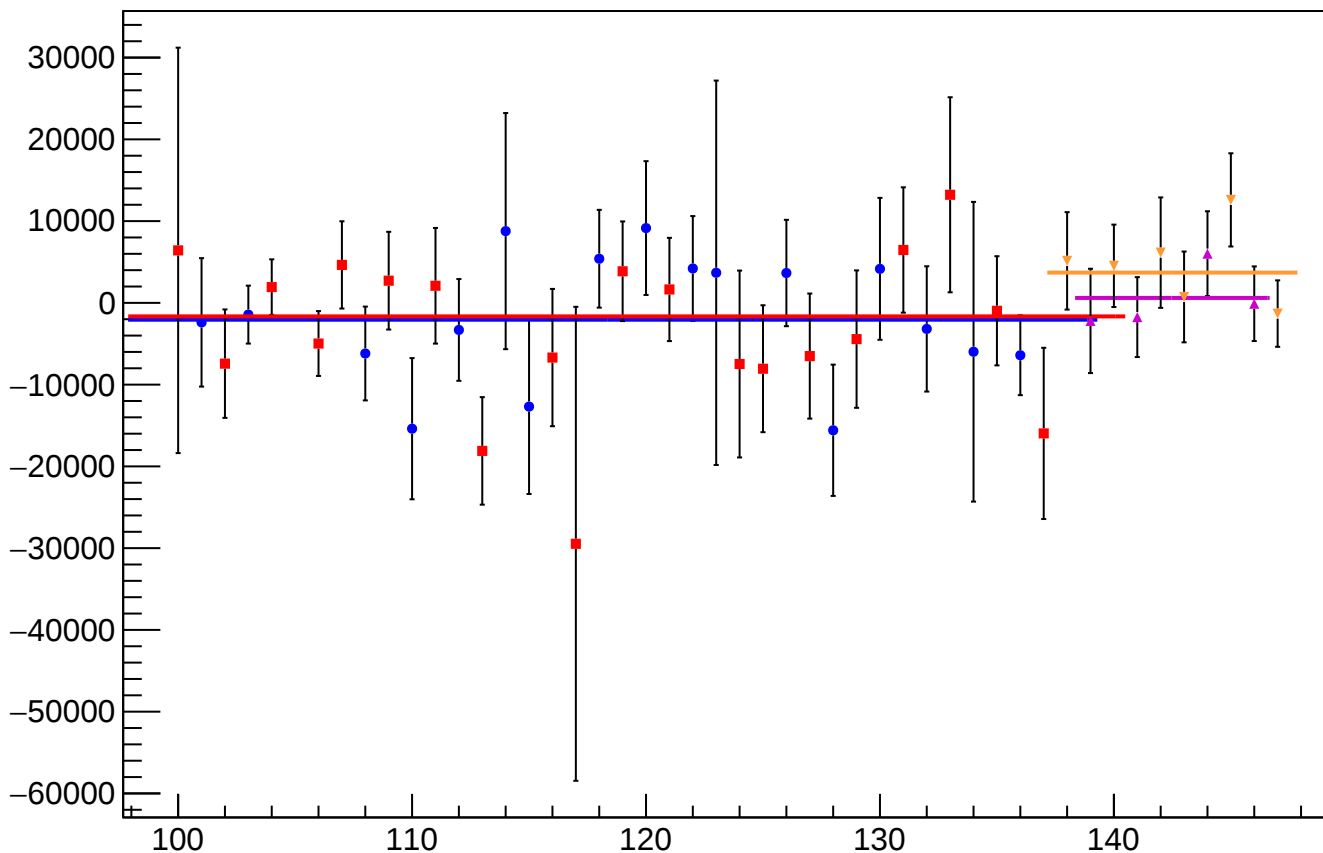
Left In: 1975.929+/-0.777 χ^2/NDF :5762.9/3

1962.545+/-0.429 χ^2/NDF : 629399.5/22

1951.402+/-0.305 χ^2/NDF : 858088.4/46

1940.048+/-0.433 χ^2/NDF : 227325.3/23

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 3703.346 $\pm$ 2165.761 χ^2 /NDF: 4.5/5

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

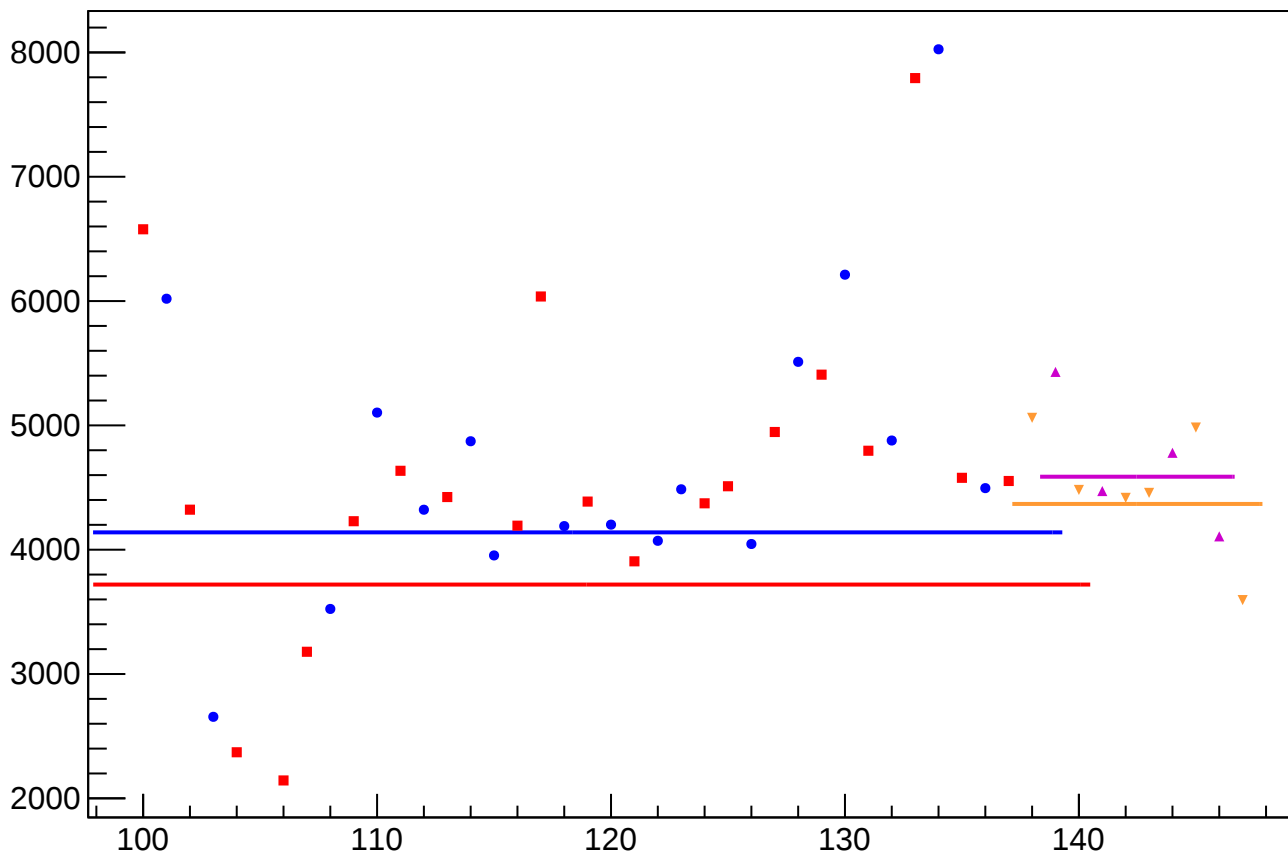
Left In: 604.468 $\pm$ 2568.244 χ^2 /NDF: 1.5/3

76.565 $\pm$ 1318.048 χ^2 /NDF: 22.9/22

-525.510 $\pm$ 918.024 χ^2 /NDF: 44.9/46

-1092.777 $\pm$ 1279.380 χ^2 /NDF: 21.6/23

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4368.049+/-1.531 χ^2/NDF : 124322.9/5

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

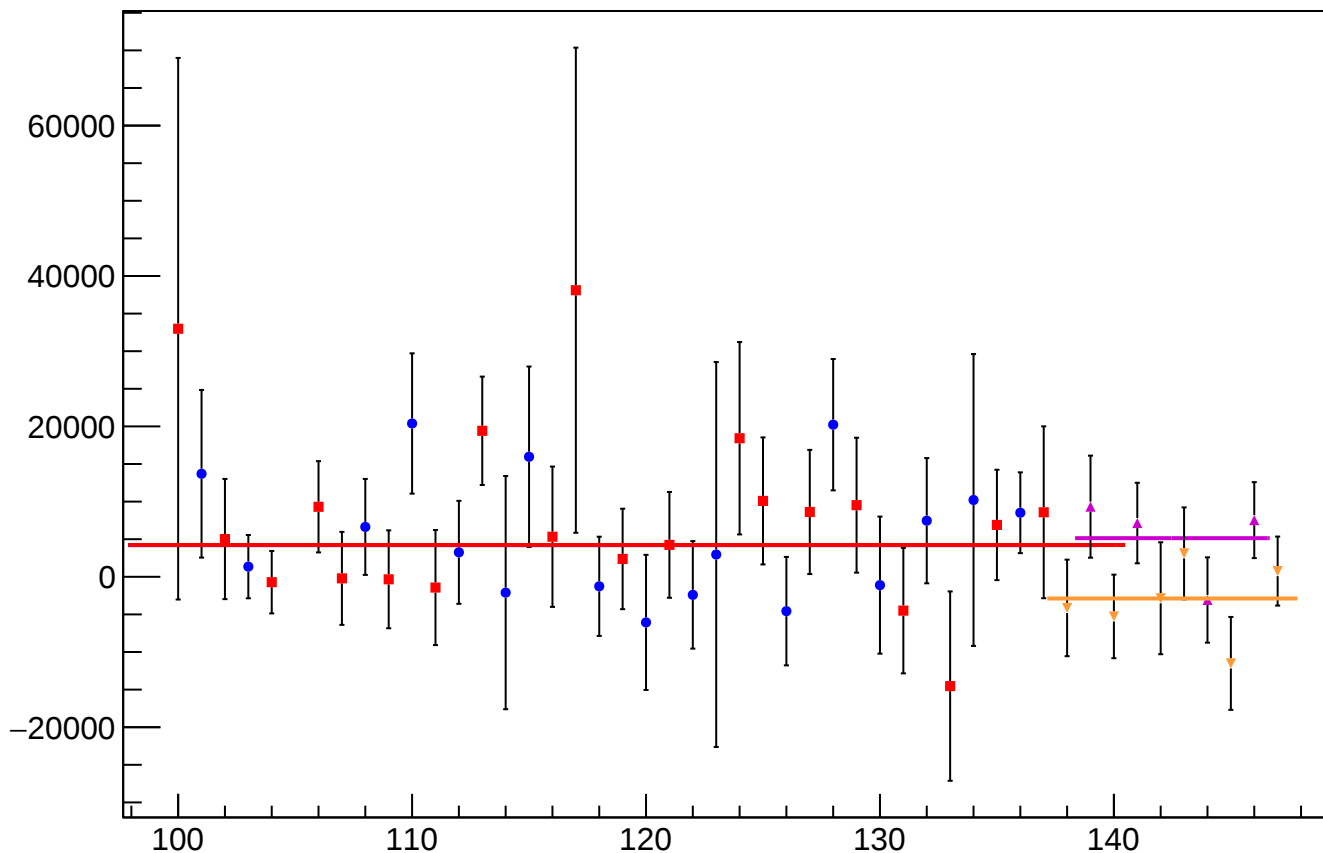
Left In: 4587.147+/-1.816 χ^2/NDF : 60911.1/3

4224.082+/-0.932 χ^2/NDF : 951910.0/22

4075.160+/-0.649 χ^2/NDF : 2522656.6/46

3934.847+/-0.905 χ^2/NDF : 1521158.5/23

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: -2882.180+/-2389.328 χ^2/NDF : 3.8/5

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

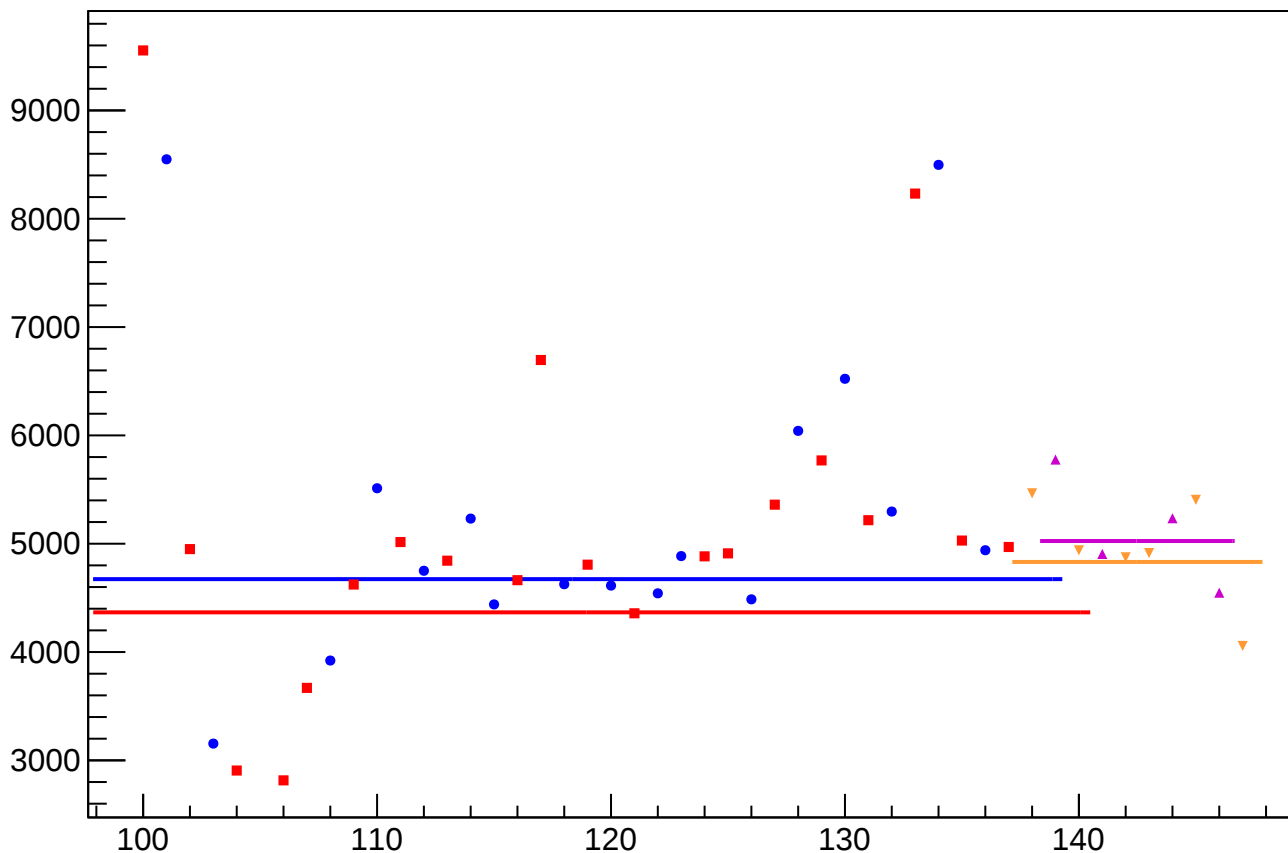
Left In: 5136.795+/-2807.766 χ^2/NDF : 2.8/3

1514.786+/-1473.244 χ^2/NDF : 23.6/22

3001.442+/-1040.047 χ^2/NDF : 44.5/46

4478.468+/-1468.464 χ^2/NDF : 18.8/23

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046 $\pm$ 1.323 χ^2 /NDF: 777321.1/16

Left Out: 4831.762 $\pm$ 1.690 χ^2 /NDF: 95017.7/5

Right Out: 4366.422 $\pm$ 1.211 χ^2 /NDF: 842654.3/19

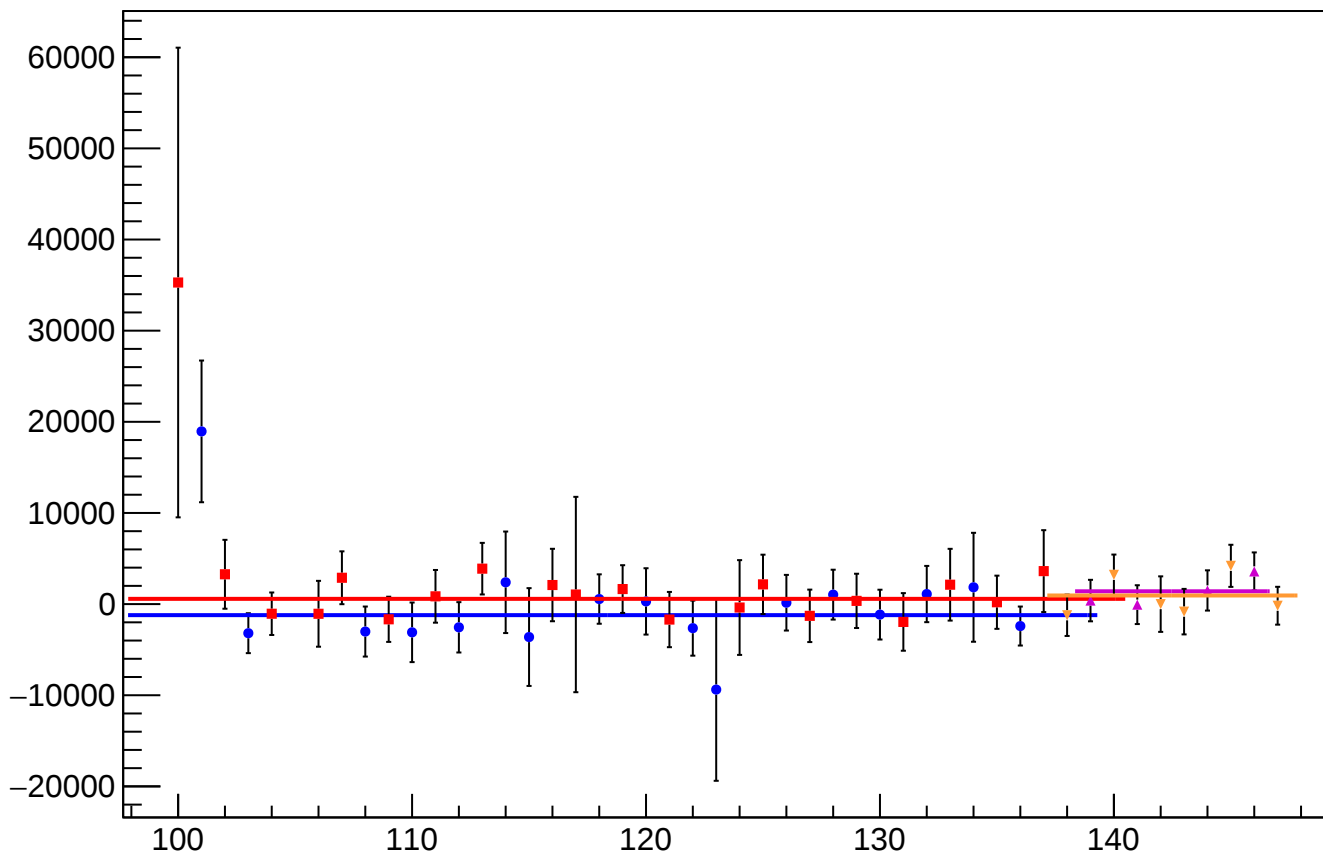
Left In: 5024.973 $\pm$ 1.985 χ^2 /NDF: 46166.5/3

4733.387 $\pm$ 1.042 χ^2 /NDF: 877808.8/22

4638.516 $\pm$ 0.734 χ^2 /NDF: 1863275.2/46

4545.048 $\pm$ 1.034 χ^2 /NDF: 969001.6/23

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 944.466 ± 960.602 χ^2/NDF : 4.8/5

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

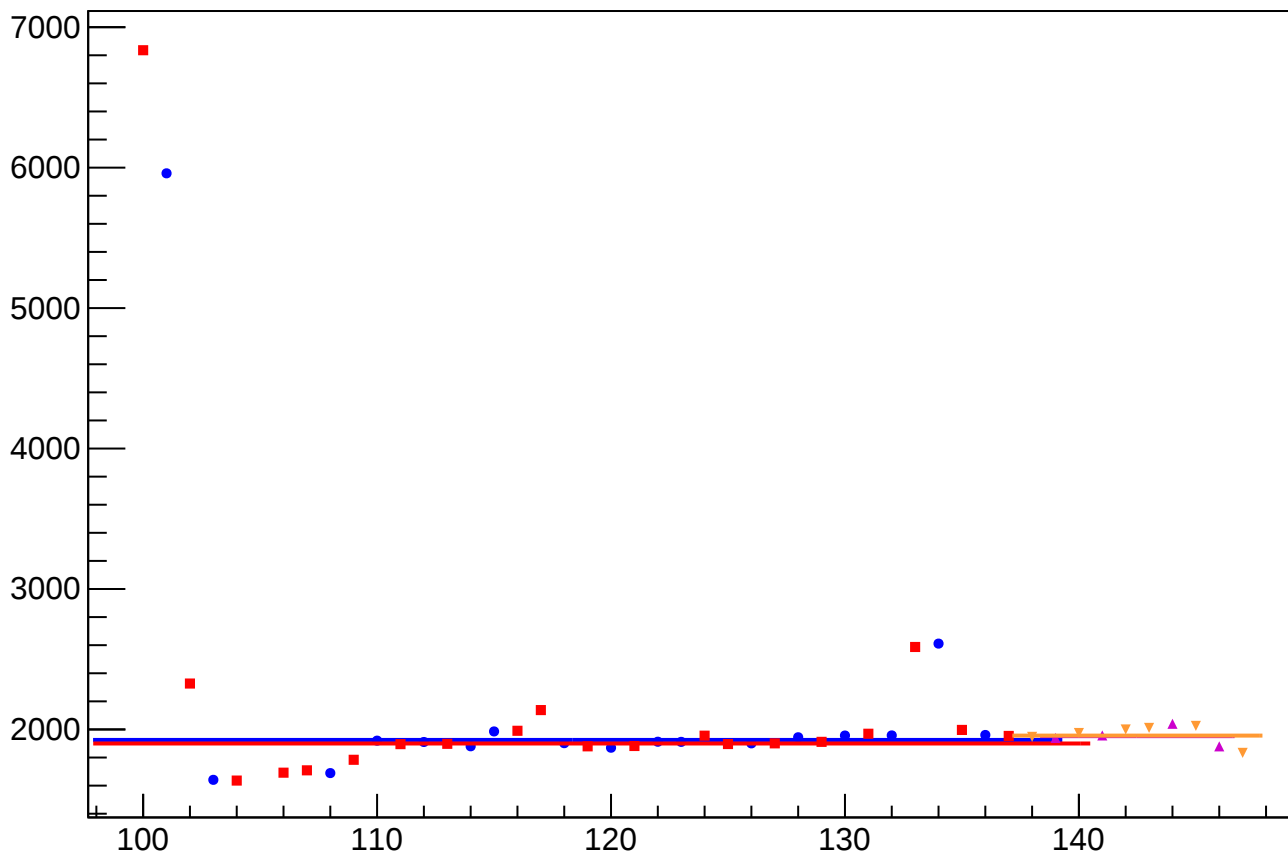
Left In: 1405.218 ± 1085.661 χ^2/NDF : 1.8/3

-374.210 ± 598.562 χ^2/NDF : 20.6/22

222.957 ± 425.576 χ^2/NDF : 33.5/46

833.448 ± 605.203 χ^2/NDF : 10.9/23

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1925.320 $\pm$ 0.541 χ^2 /NDF: 615863.6/16

Left Out: 1956.177 $\pm$ 0.679 χ^2 /NDF: 10352.6/5

Right Out: 1899.955 $\pm$ 0.514 χ^2 /NDF: 211865.1/19

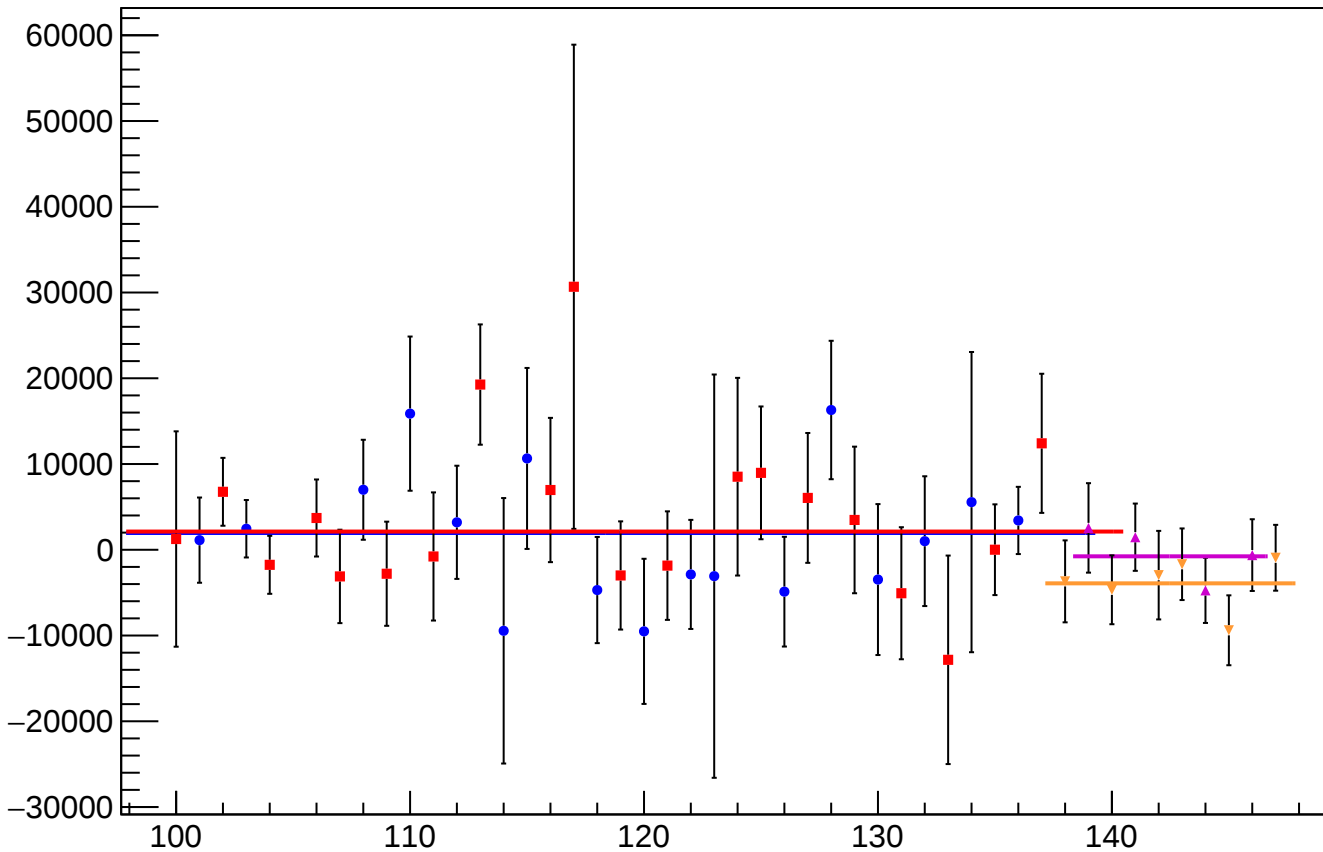
Left In: 1952.263 $\pm$ 0.768 χ^2 /NDF: 5684.9/3

1937.301 $\pm$ 0.423 χ^2 /NDF: 627478.6/22

1926.830 $\pm$ 0.301 χ^2 /NDF: 849469.0/46

1916.159 $\pm$ 0.427 χ^2 /NDF: 220754.5/23

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060+/-1556.840 χ^2/NDF : 12.9/16

Left Out: -3914.976+/-1744.106 $\chi^2/\text{NDF}: 2.8/5$

Right Out: 2124.415+/-1411.872 χ^2/NDF : 18.5/19

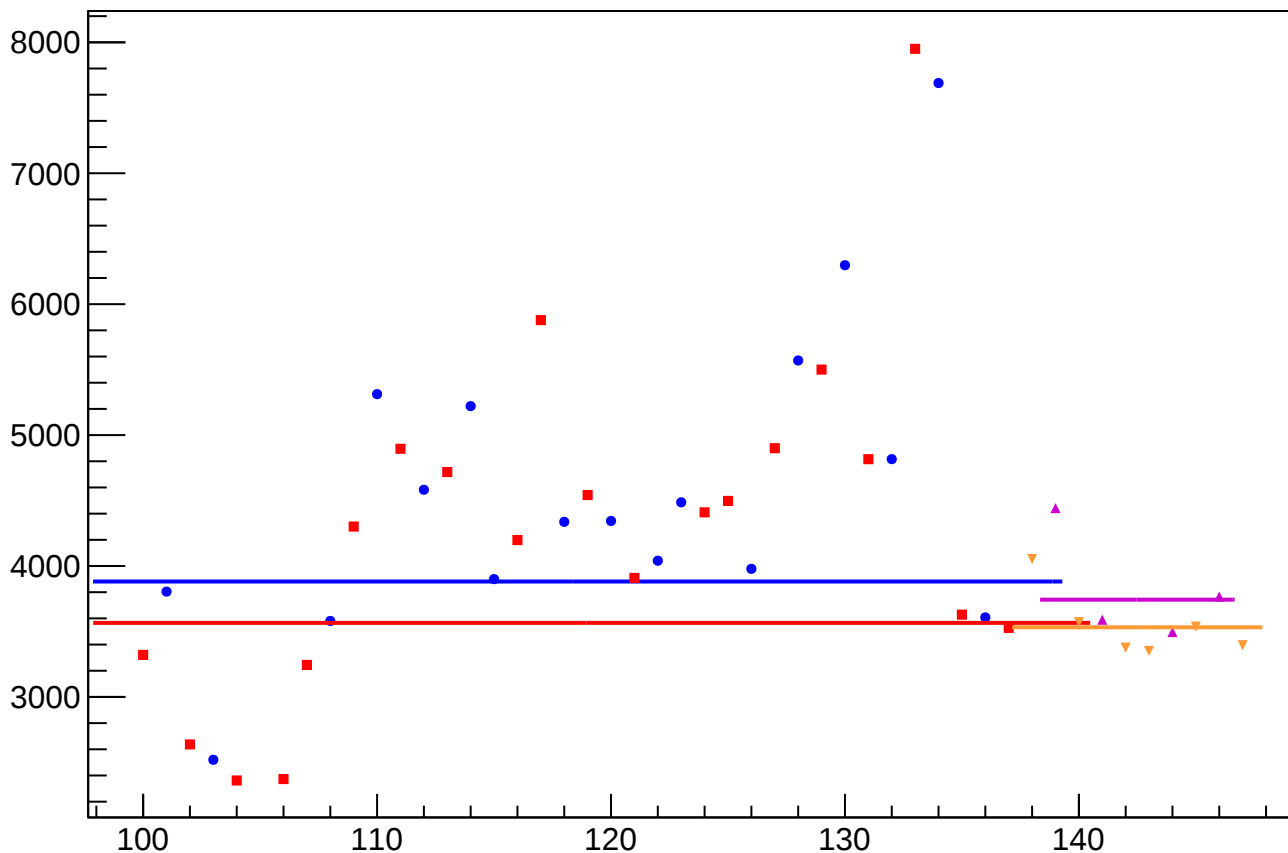
Left In: -763.957+/-2093.590 χ^2/NDF :1.8/3

-645.788+/-1161.437 χ^2/NDF : 22.0/22

280.532+/-824.469 χ^2/NDF : 44.9/46

1221.470+/-1170.566 χ^2/NDF : 21.6/23

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577 $\pm$ 1.101 χ^2/NDF : 817466.6/16

Left Out: 3531.960 $\pm$ 1.233 χ^2/NDF : 32086.3/5

Right Out: 3565.851 $\pm$ 0.998 χ^2/NDF : 1254973.6/19

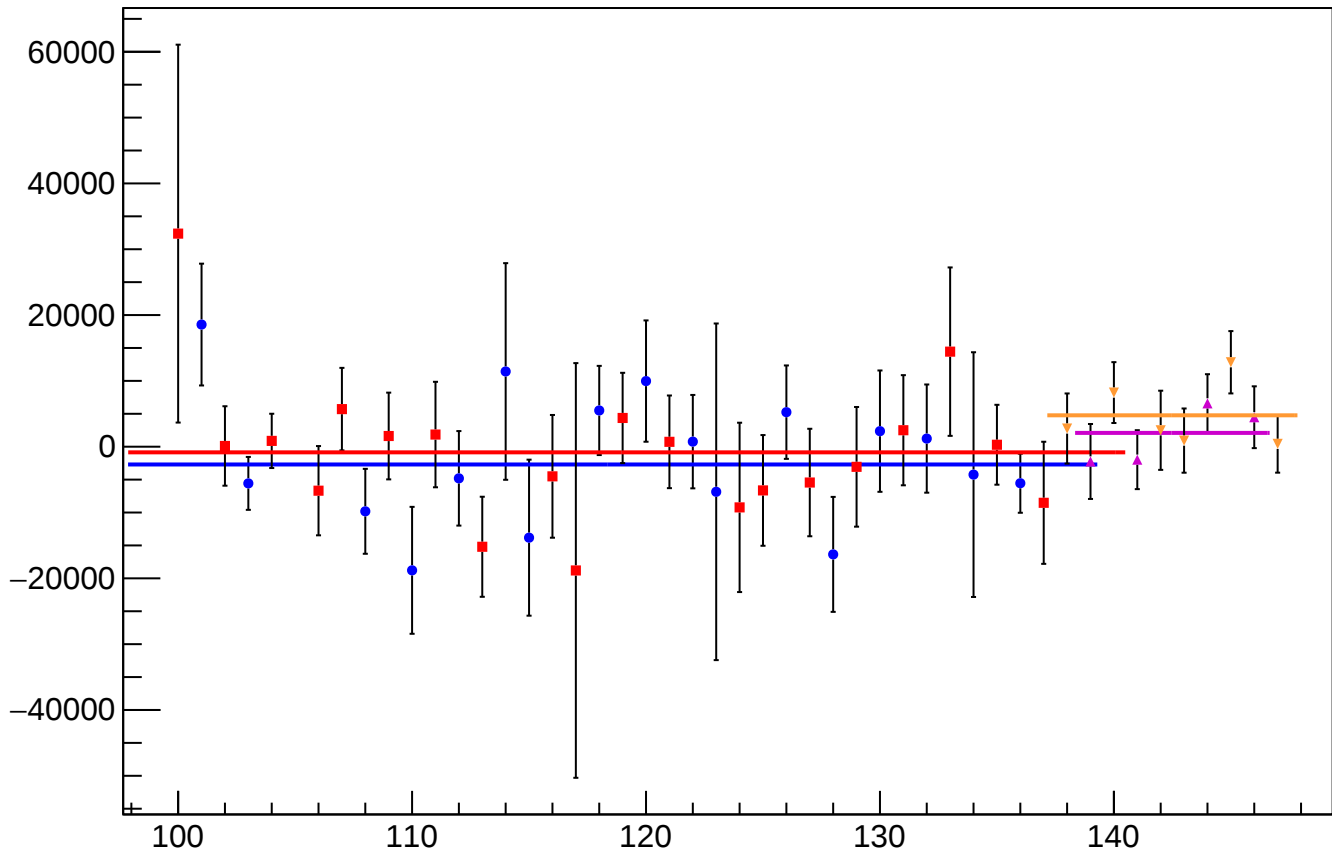
Left In: 3742.886 $\pm$ 1.480 χ^2/NDF : 47540.6/3

3726.539 $\pm$ 0.821 χ^2/NDF : 894280.2/22

3674.279 $\pm$ 0.583 χ^2/NDF : 2214787.1/46

3621.195 $\pm$ 0.828 χ^2/NDF : 1312344.4/23

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702 $\pm$ 1809.055 χ^2/NDF : 19.8/16

Left Out: 4768.849 $\pm$ 2006.266 χ^2/NDF : 5.3/5

Right Out: -857.617 $\pm$ 1687.925 χ^2/NDF : 11.9/19

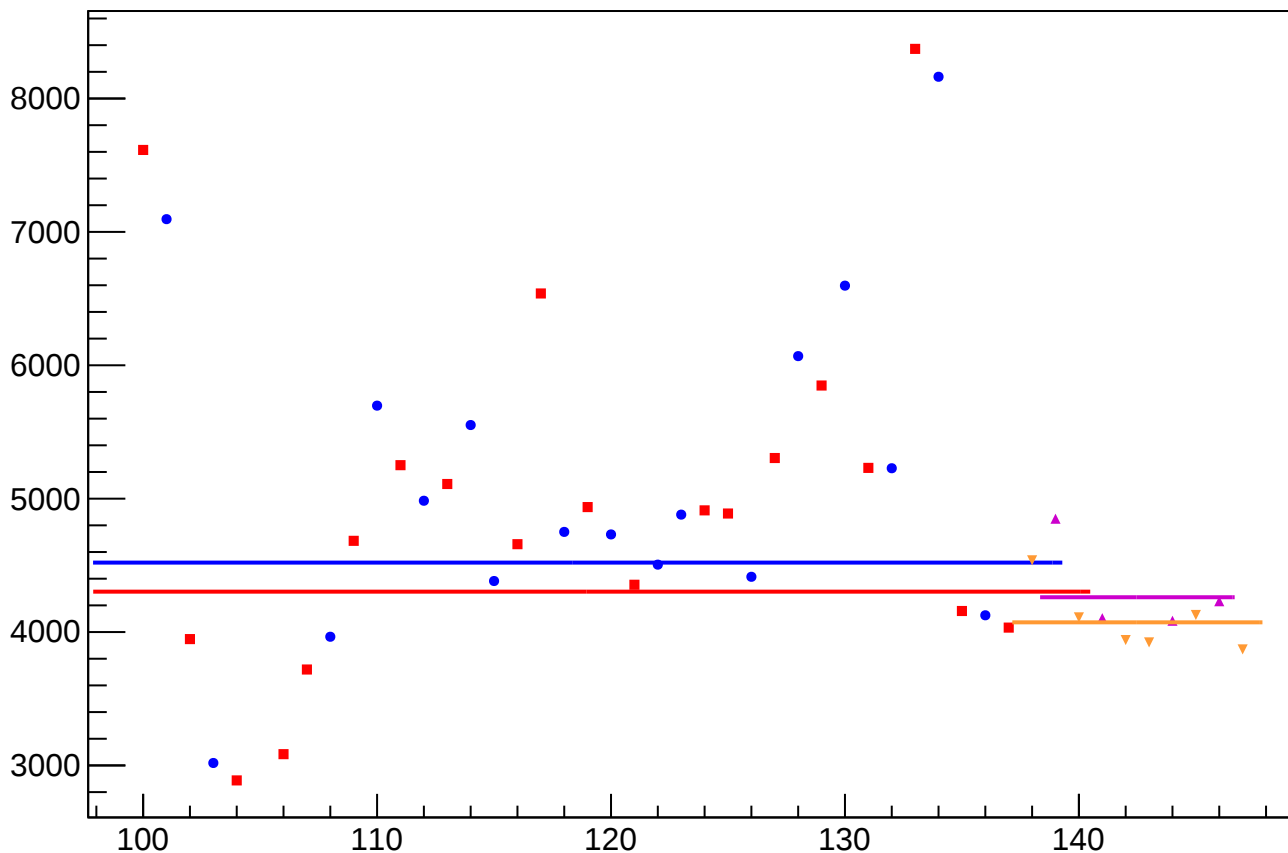
Left In: 2096.565 $\pm$ 2376.602 χ^2/NDF : 2.7/3

649.008 $\pm$ 1343.522 χ^2/NDF : 32.7/22

397.146 $\pm$ 961.345 χ^2/NDF : 48.4/46

132.898 $\pm$ 1376.158 χ^2/NDF : 15.6/23

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685 $\pm$ 1.279 χ^2/NDF : 770887.4/16

Left Out: 4072.828 $\pm$ 1.419 χ^2/NDF : 22799.9/5

Right Out: 4302.892 $\pm$ 1.187 χ^2/NDF : 781886.1/19

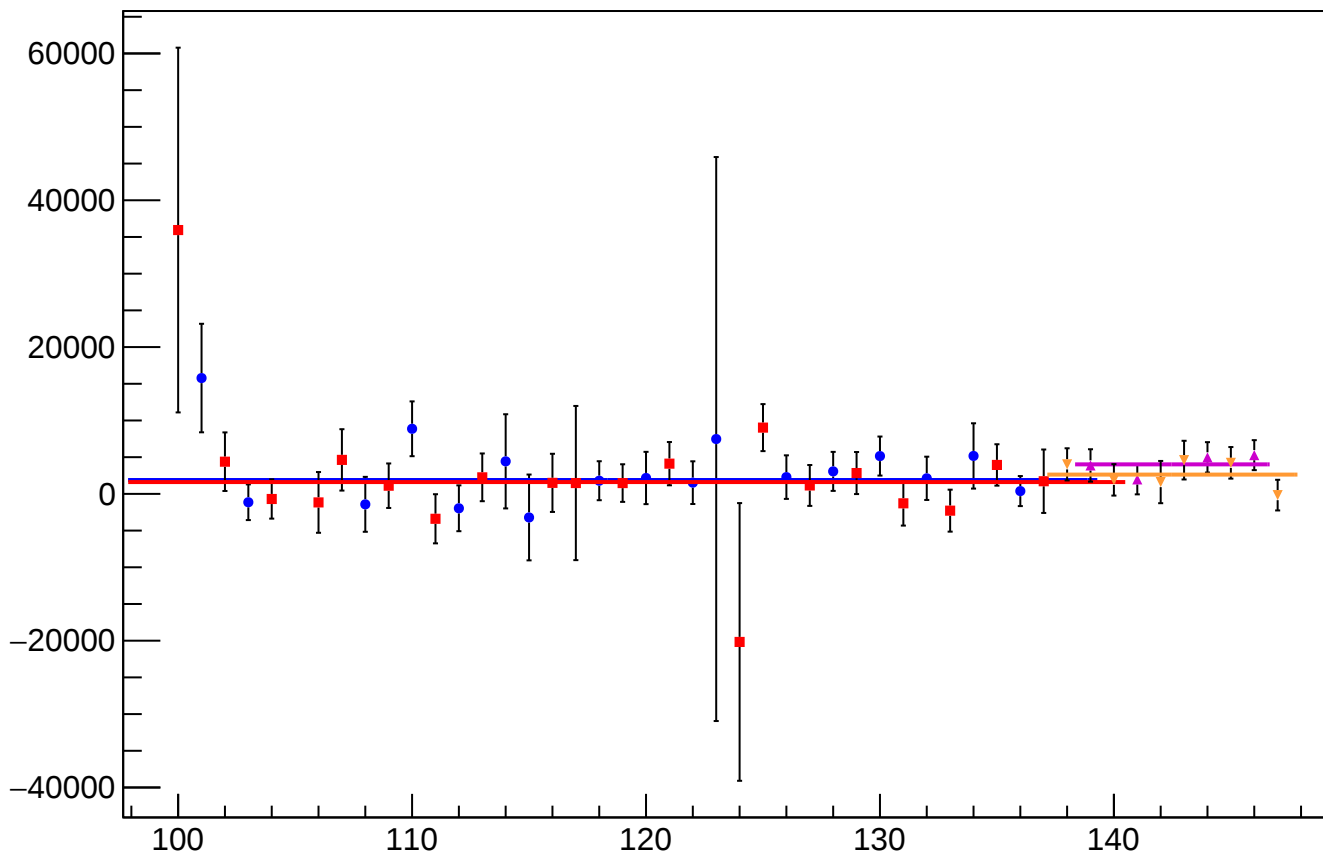
Left In: 4260.961 $\pm$ 1.681 χ^2/NDF : 27085.7/3

4319.844 $\pm$ 0.950 χ^2/NDF : 848656.3/22

4304.704 $\pm$ 0.679 χ^2/NDF : 1658562.0/46

4288.937 $\pm$ 0.970 χ^2/NDF : 809387.2/23

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2627.323 $\pm$ 937.818 χ^2 /NDF: 3.6/5

Right Out: 1609.604 $\pm$ 763.815 χ^2 /NDF: 17.5/19

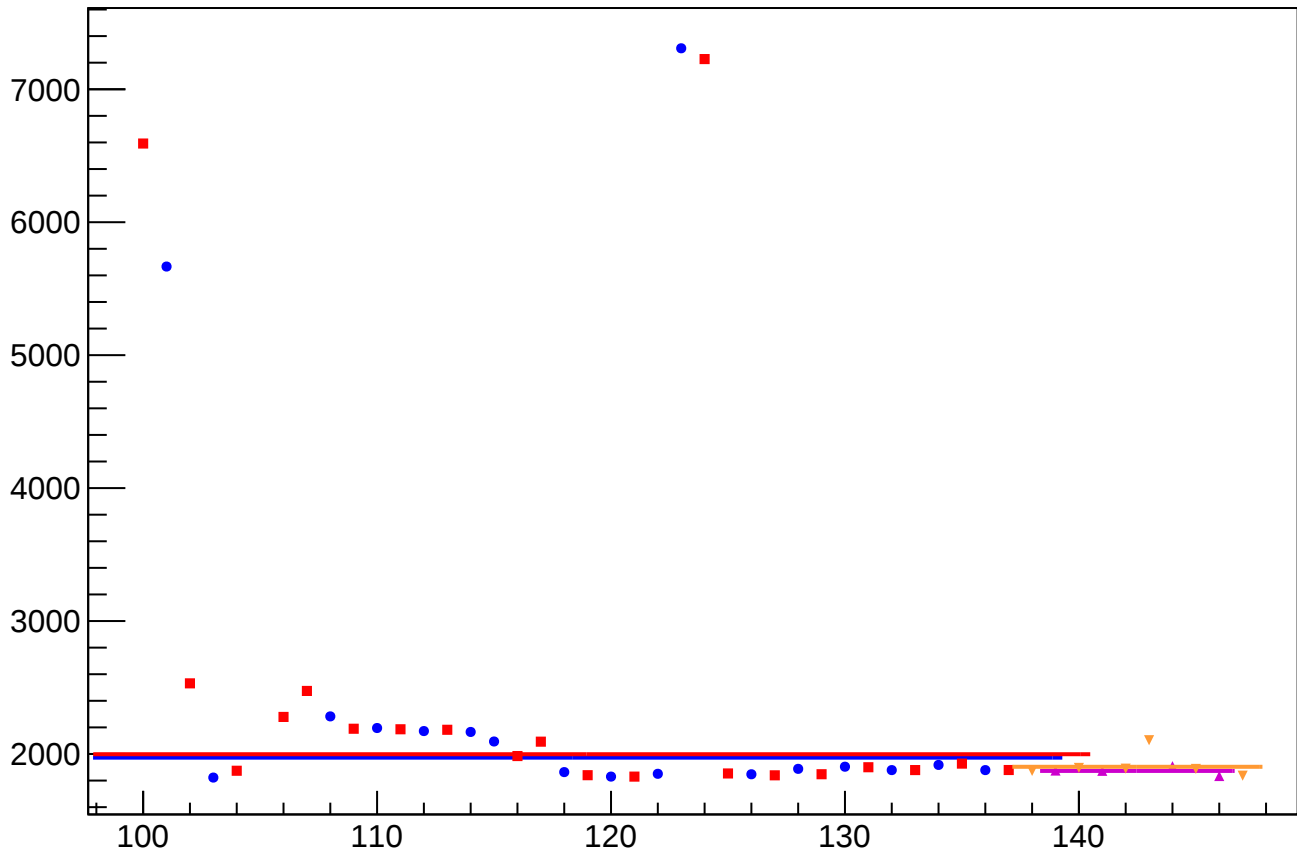
Left In: 4021.580 $\pm$ 1043.176 χ^2 /NDF: 1.6/3

2192.008 $\pm$ 601.423 χ^2 /NDF: 18.6/22

2318.543 $\pm$ 430.426 χ^2 /NDF: 41.2/46

2451.405 $\pm$ 616.276 χ^2 /NDF: 22.6/23

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1903.629+/-0.663 χ^2/NDF : 14155.7/5

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

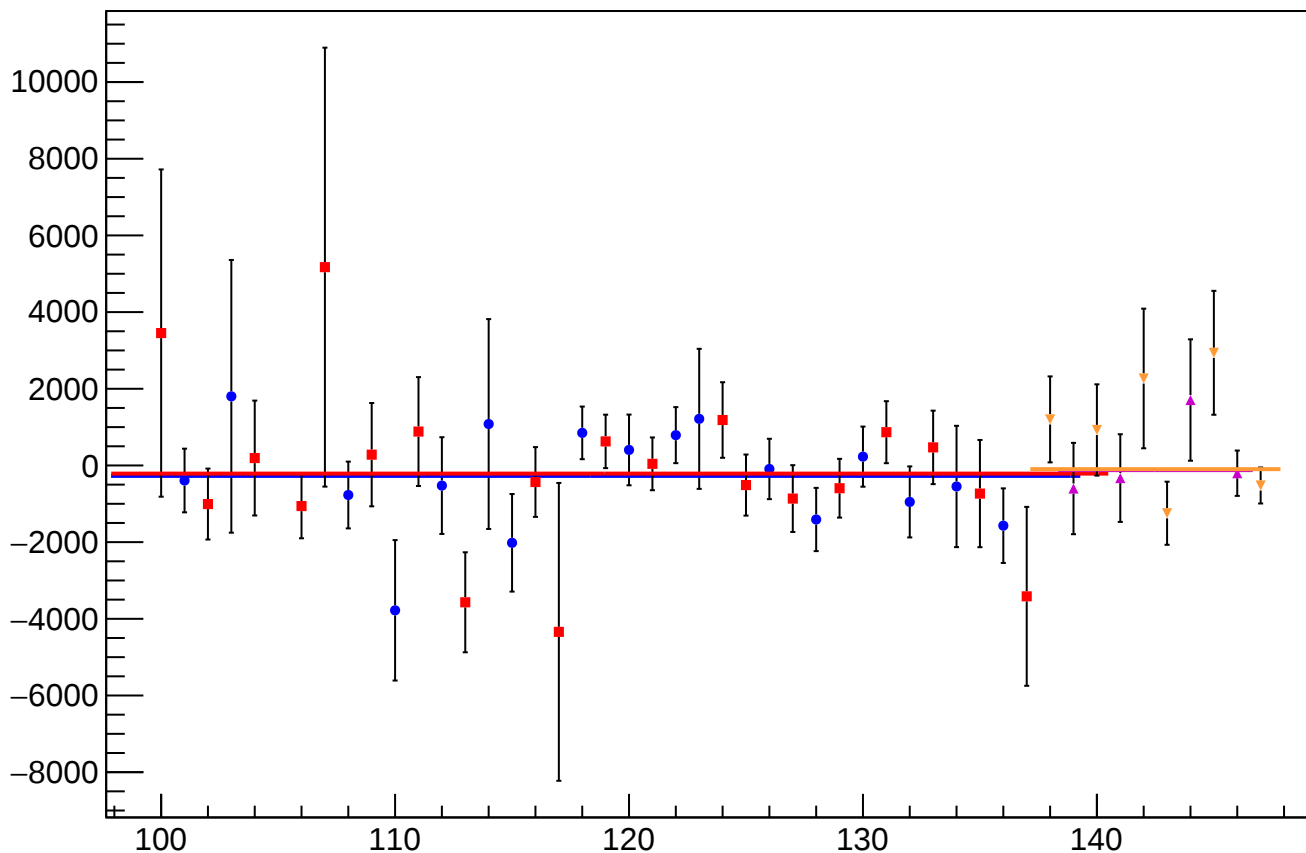
Left In: 1872.523+/-0.738 χ^2/NDF : 1310.6/3

1944.166+/-0.425 χ^2/NDF : 621372.5/22

1949.112+/-0.304 χ^2/NDF : 997577.8/46

1954.305+/-0.436 χ^2/NDF : 375928.0/23

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -96.539+/-349.218 χ^2/NDF :10.1/5

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

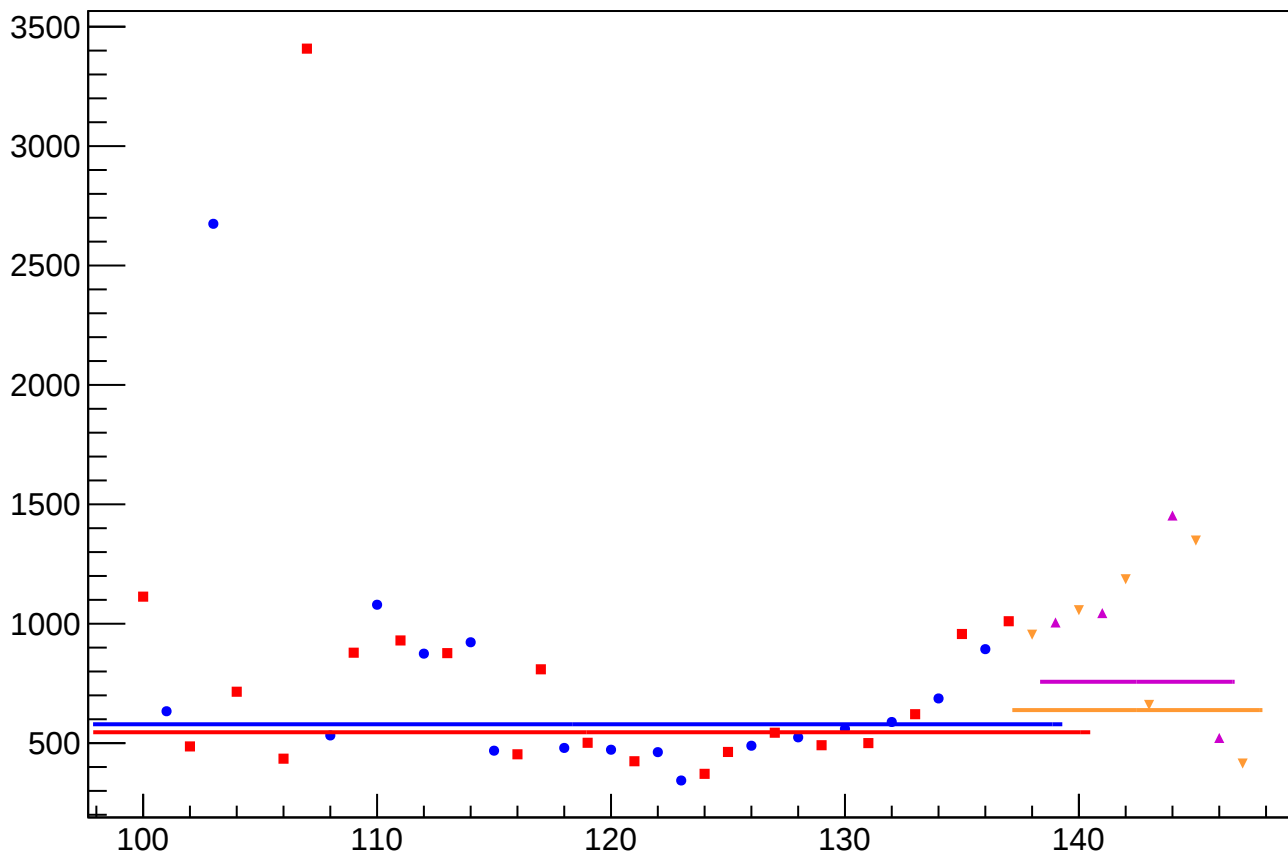
Left In: -121.400+/-459.824 χ^2/NDF :1.5/3

-215.490+/-197.913 χ^2/NDF : 27.5/22

-205.428+/-142.293 χ^2/NDF : 49.9/46

-194.661+/-204.727 χ^2/NDF : 22.4/23

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 638.360 $\pm$ 0.247 χ^2 /NDF: 1428636.3/5

Right Out: 545.590 $\pm$ 0.162 χ^2 /NDF: 1467038.8/19

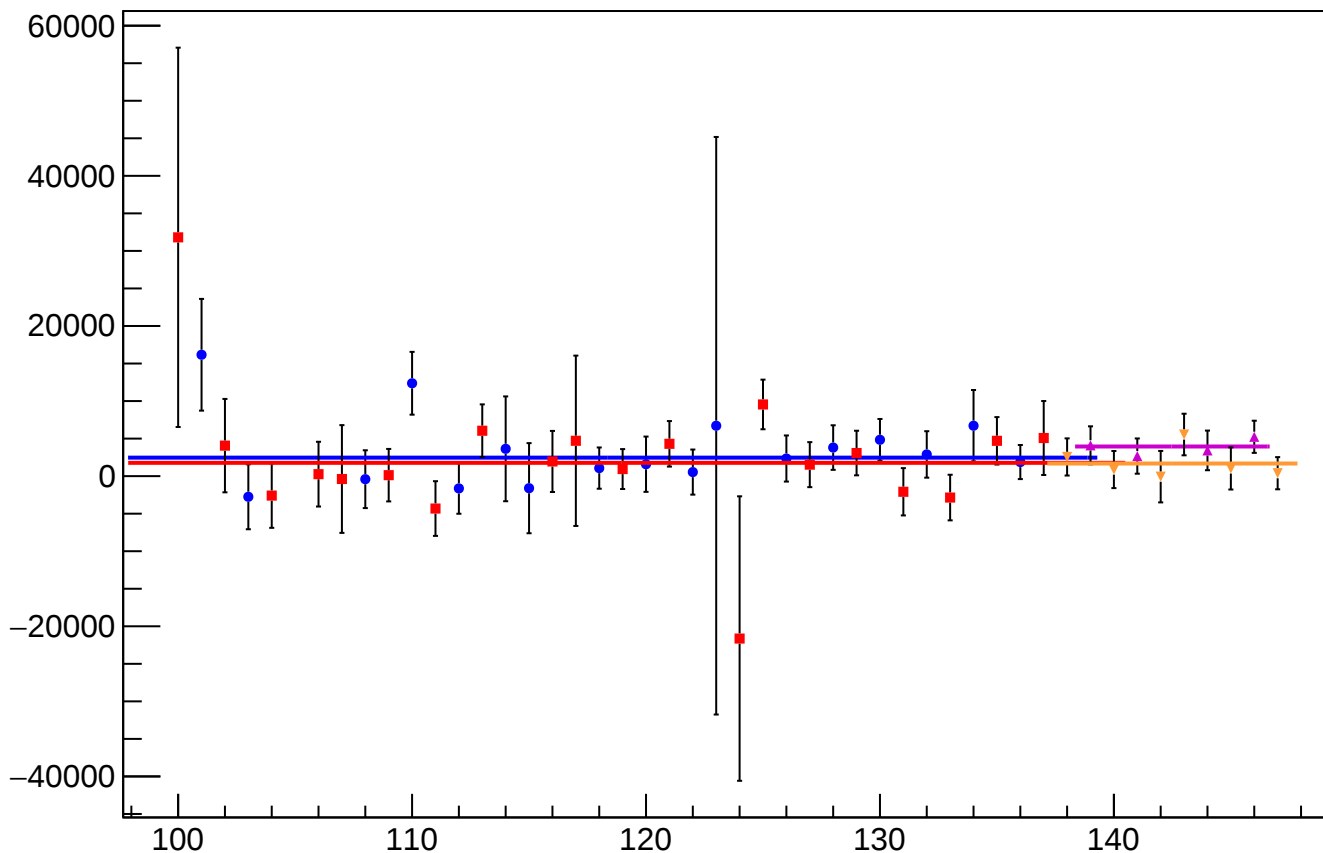
Left In: 756.948 $\pm$ 0.325 χ^2 /NDF: 916782.3/3

598.073 $\pm$ 0.140 χ^2 /NDF: 2889998.0/22

592.959 $\pm$ 0.101 χ^2 /NDF: 5615376.4/46

587.487 $\pm$ 0.145 χ^2 /NDF: 2722614.4/23

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 1681.210 $\pm$ 1061.460 χ^2 /NDF: 2.9/5

Right Out: 1773.396 $\pm$ 850.889 χ^2 /NDF: 20.5/19

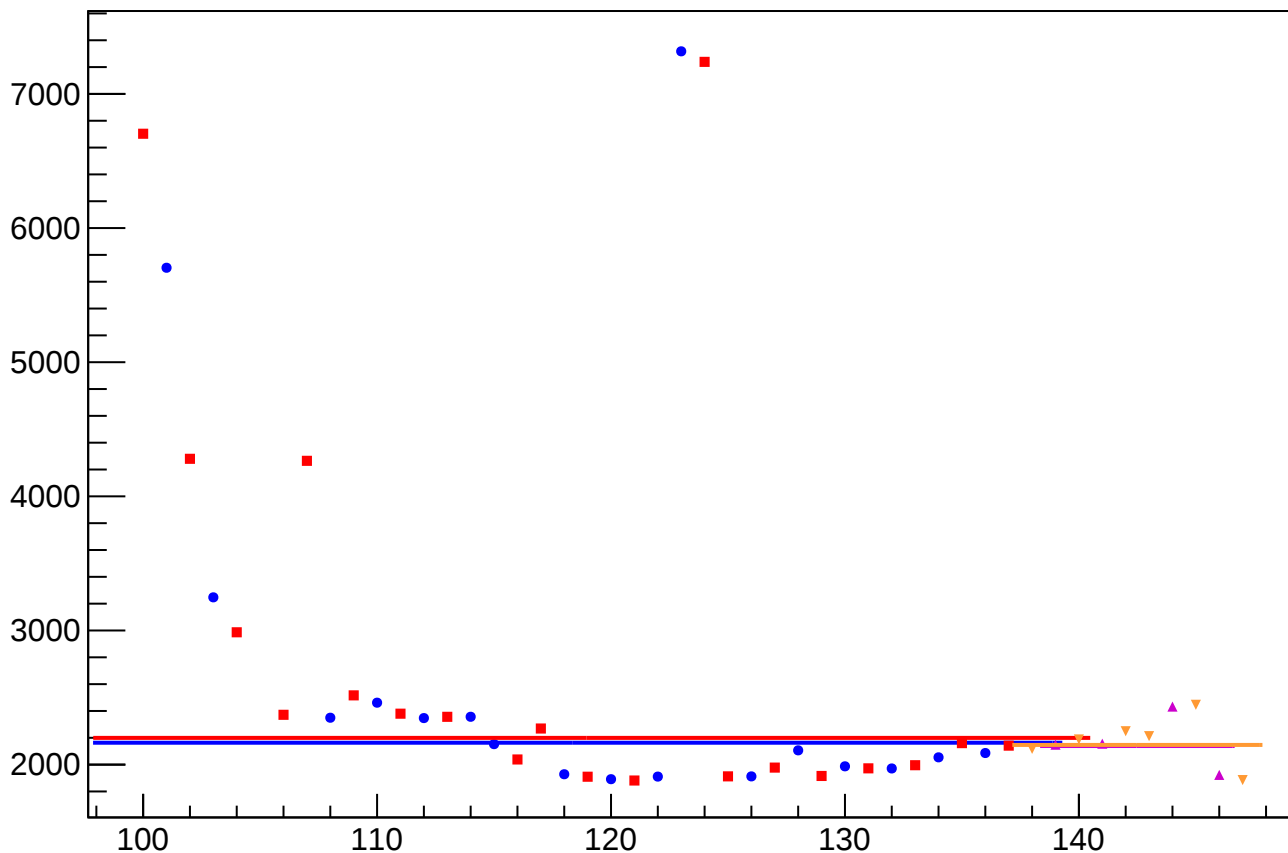
Left In: 3948.186 $\pm$ 1195.853 χ^2 /NDF: 0.7/3

2152.441 $\pm$ 669.704 χ^2 /NDF: 18.7/22

2322.315 $\pm$ 481.678 χ^2 /NDF: 42.3/46

2504.370 $\pm$ 693.298 χ^2 /NDF: 23.4/23

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2146.864+/-0.751 χ^2/NDF : 56391.7/5

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

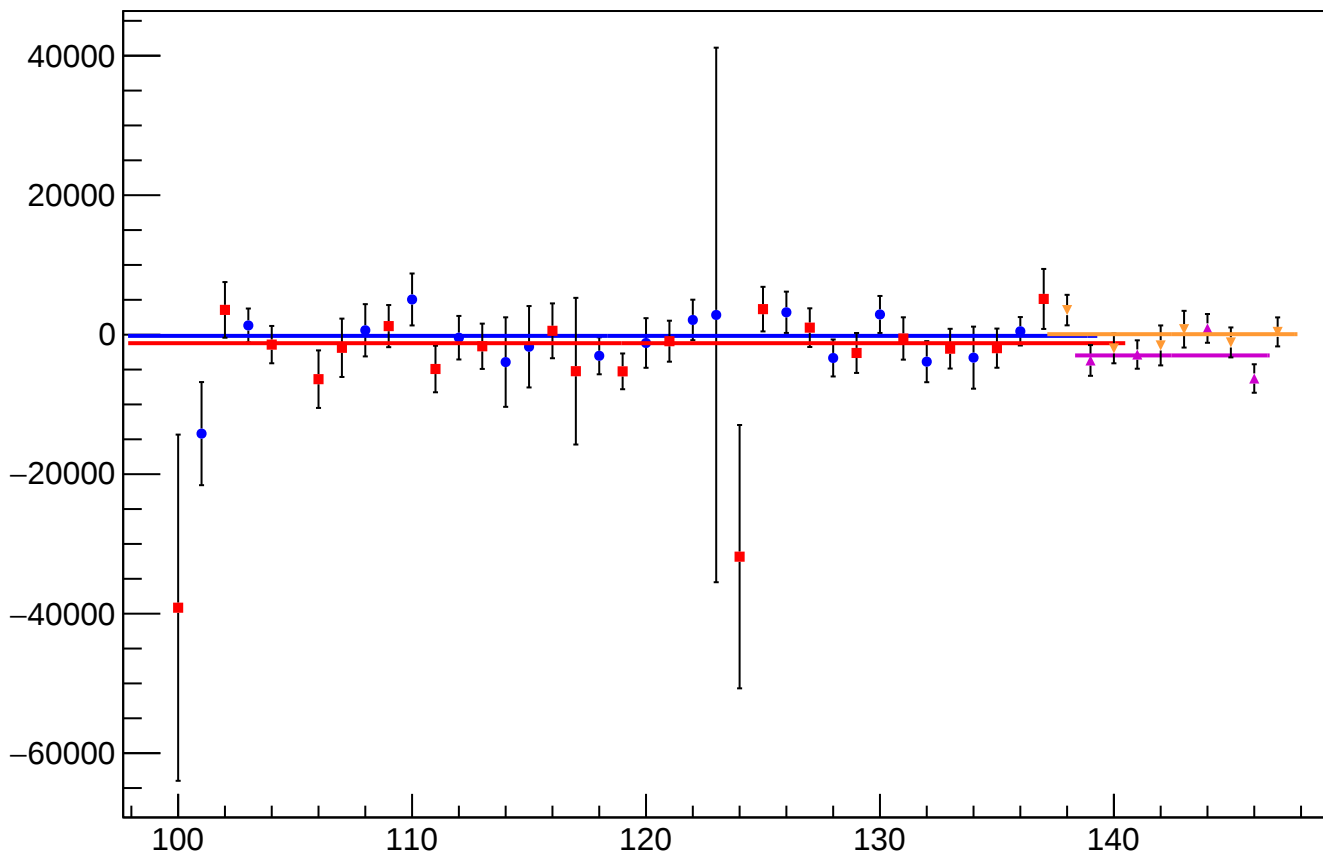
Left In: 2138.671+/-0.846 χ^2/NDF : 45139.2/3

2156.759+/-0.474 χ^2/NDF : 766264.9/22

2167.488+/-0.341 χ^2/NDF : 1619264.9/46

2178.987+/-0.490 χ^2/NDF : 851936.5/23

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: 71.852 ± 935.309 $\chi^2/\text{NDF}: 4.1/5$

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

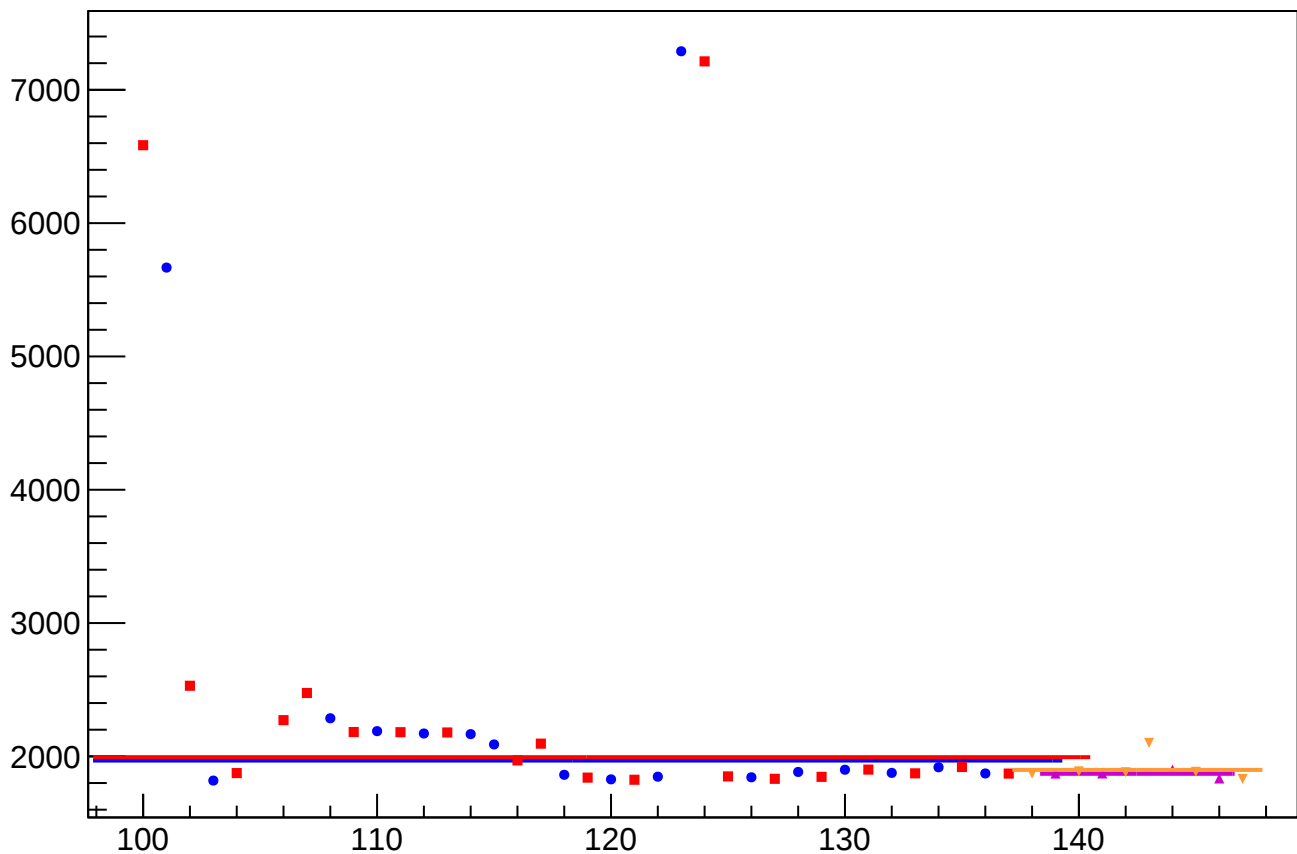
Left In: -2973.145 ± 1041.308 $\chi^2/\text{NDF}: 6.3/3$

-70.643 ± 600.109 $\chi^2/\text{NDF}: 18.7/22$

-929.079 ± 429.532 $\chi^2/\text{NDF}: 49.3/46$

-1830.837 ± 615.066 $\chi^2/\text{NDF}: 26.4/23$

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1898.448+/-0.661 χ^2/NDF : 14554.6/5

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

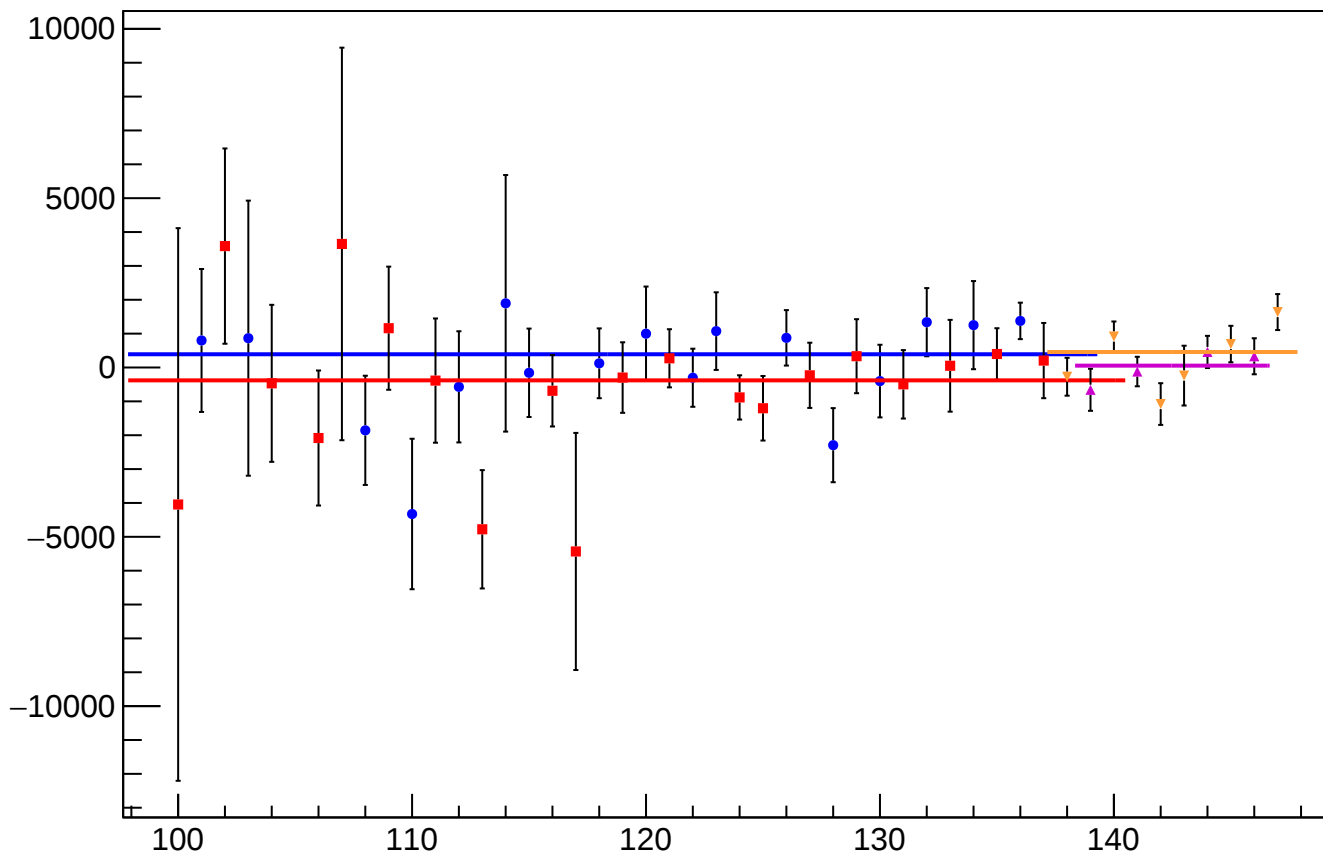
Left In: 1869.236+/-0.736 χ^2/NDF : 1052.7/3

1939.739+/-0.424 χ^2/NDF : 624152.9/22

1944.960+/-0.304 χ^2/NDF : 1000557.1/46

1950.444+/-0.435 χ^2/NDF : 376093.8/23

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 457.526+/-228.491 χ^2/NDF :14.7/5

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

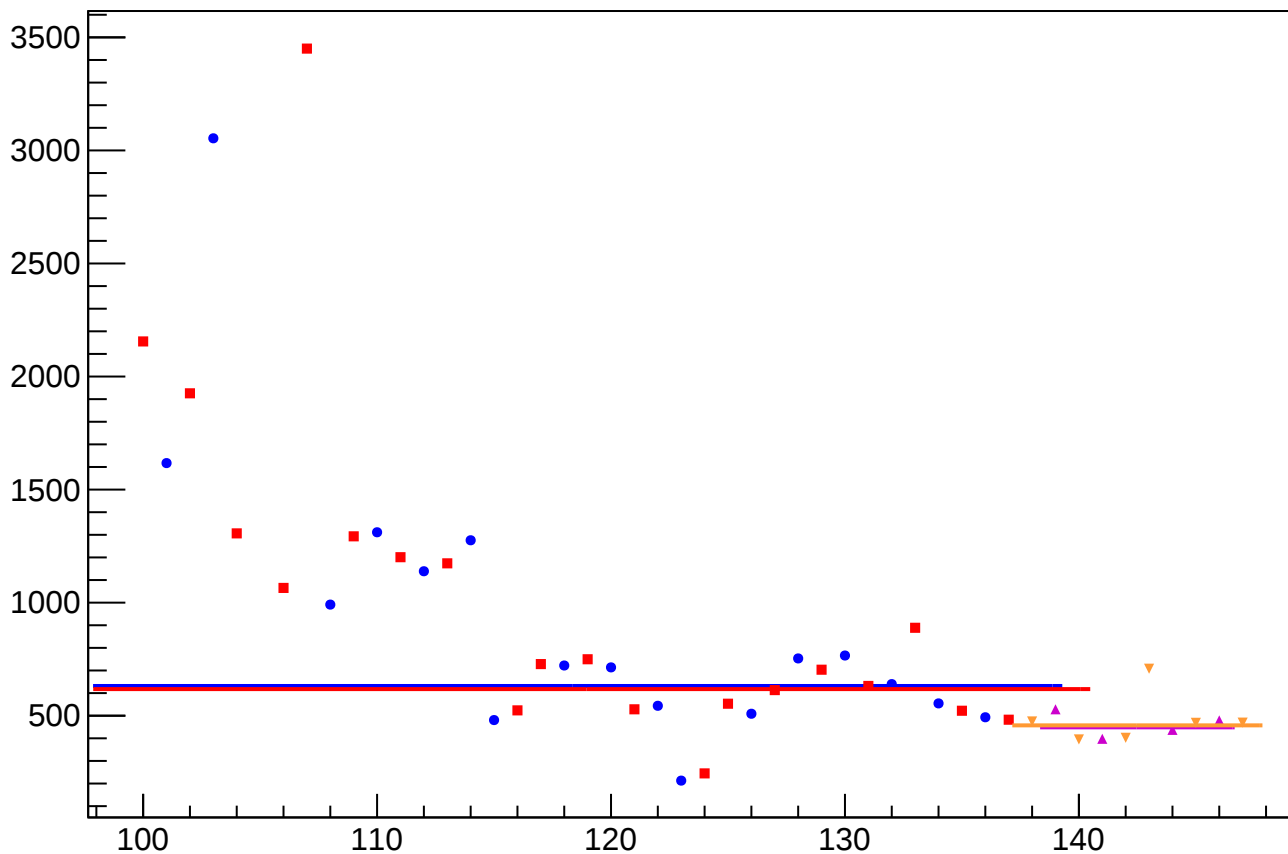
Left In: 54.924+/-251.411 χ^2/NDF :2.5/3

429.748+/-174.452 χ^2/NDF : 34.8/22

152.575+/-126.105 χ^2/NDF : 60.3/46

-150.751+/-182.497 χ^2/NDF : 20.2/23

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 457.297 $\pm$ 0.162 χ^2 /NDF: 219812.2/5

Right Out: 617.675 $\pm$ 0.188 χ^2 /NDF: 2804158.4/19

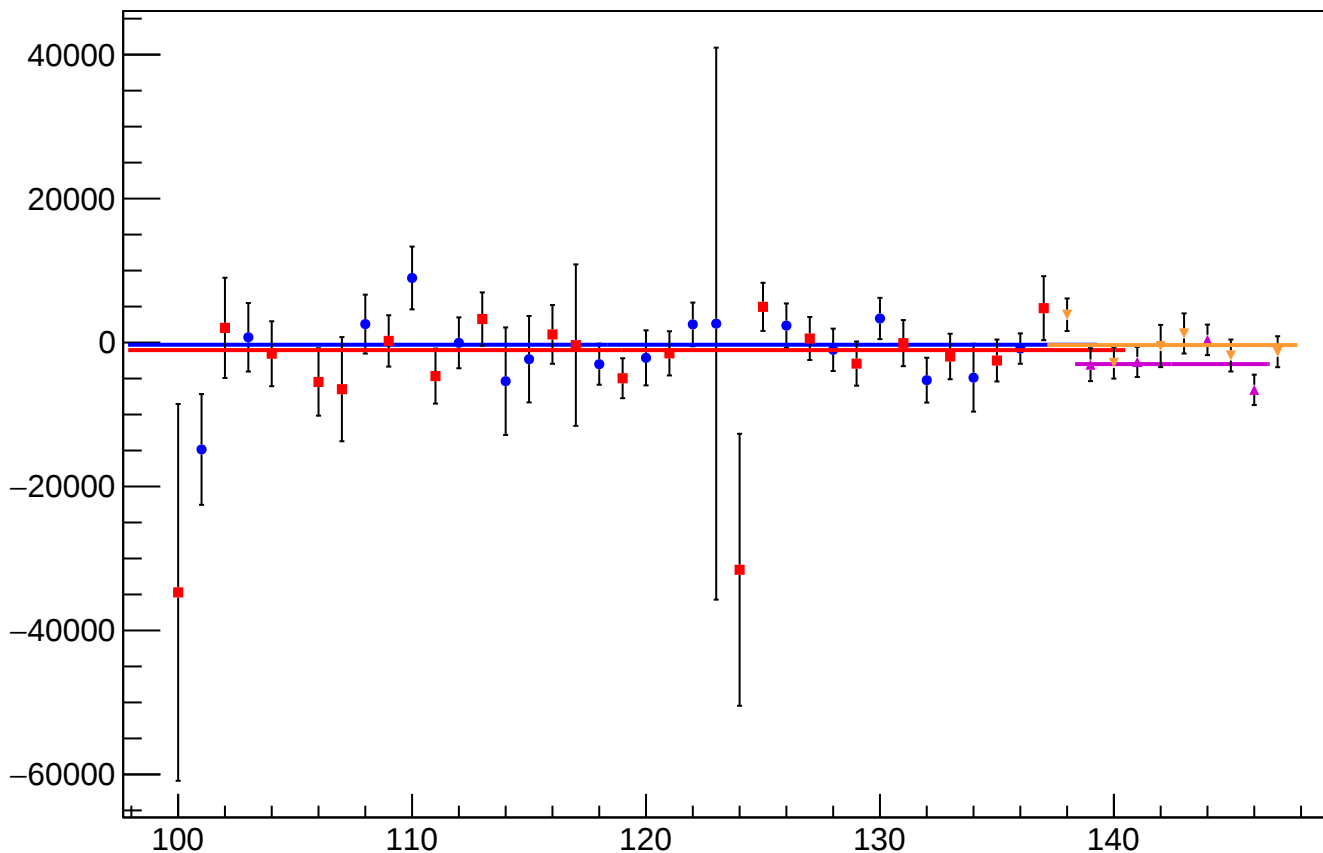
Left In: 448.495 $\pm$ 0.178 χ^2 /NDF: 67818.4/3

529.923 $\pm$ 0.123 χ^2 /NDF: 2964969.5/22

529.258 $\pm$ 0.089 χ^2 /NDF: 6265448.6/46

528.531 $\pm$ 0.129 χ^2 /NDF: 3300418.3/23

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -349.909 ± 966.869 χ^2/NDF : 5.7/5

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

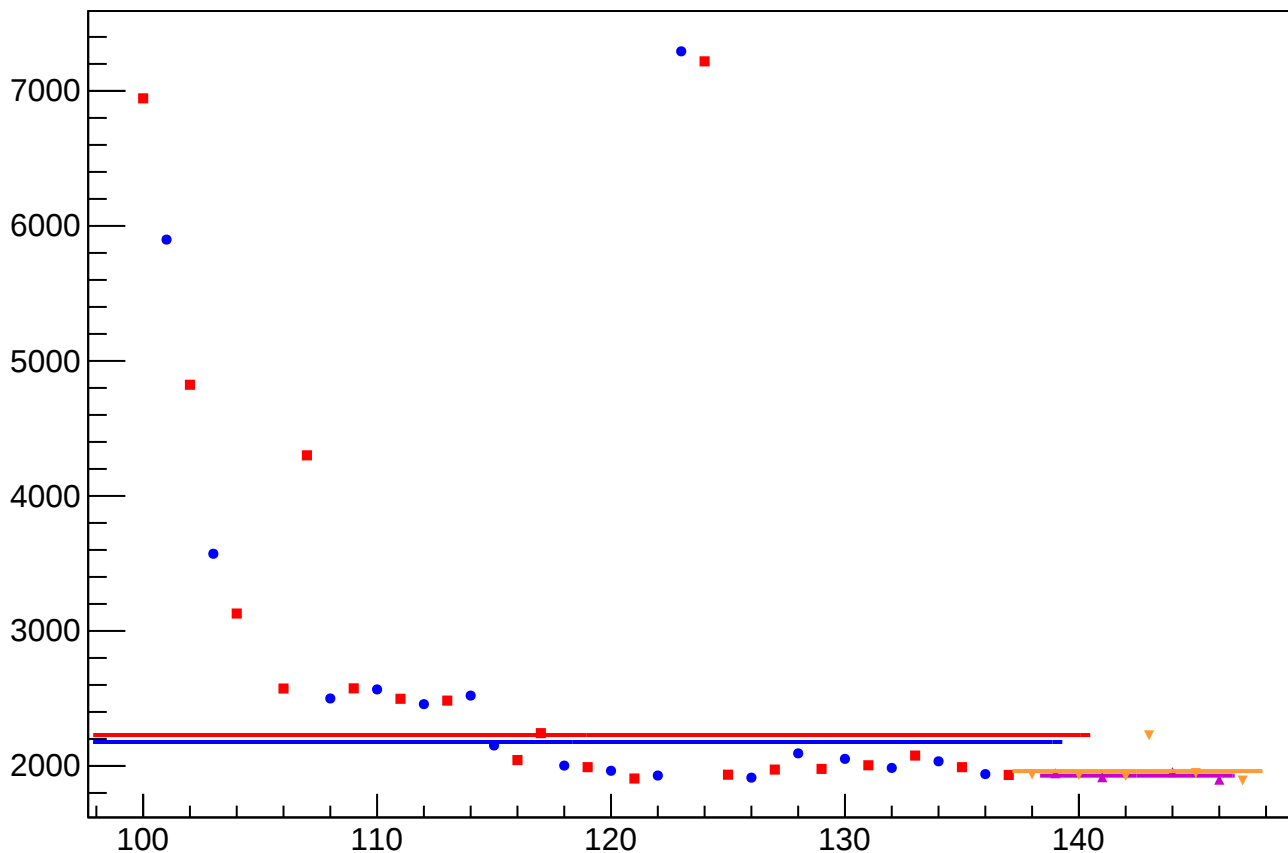
Left In: -2991.724 ± 1073.905 χ^2/NDF : 5.4/3

-325.535 ± 647.515 χ^2/NDF : 22.9/22

-1041.153 ± 466.807 χ^2/NDF : 49.4/46

-1815.557 ± 673.585 χ^2/NDF : 24.0/23

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446 $\pm$ 0.617 χ^2/NDF : 802836.7/16

Left Out: 1962.077 $\pm$ 0.684 χ^2/NDF : 21203.0/5

Right Out: 2229.096 $\pm$ 0.612 χ^2/NDF : 895812.2/19

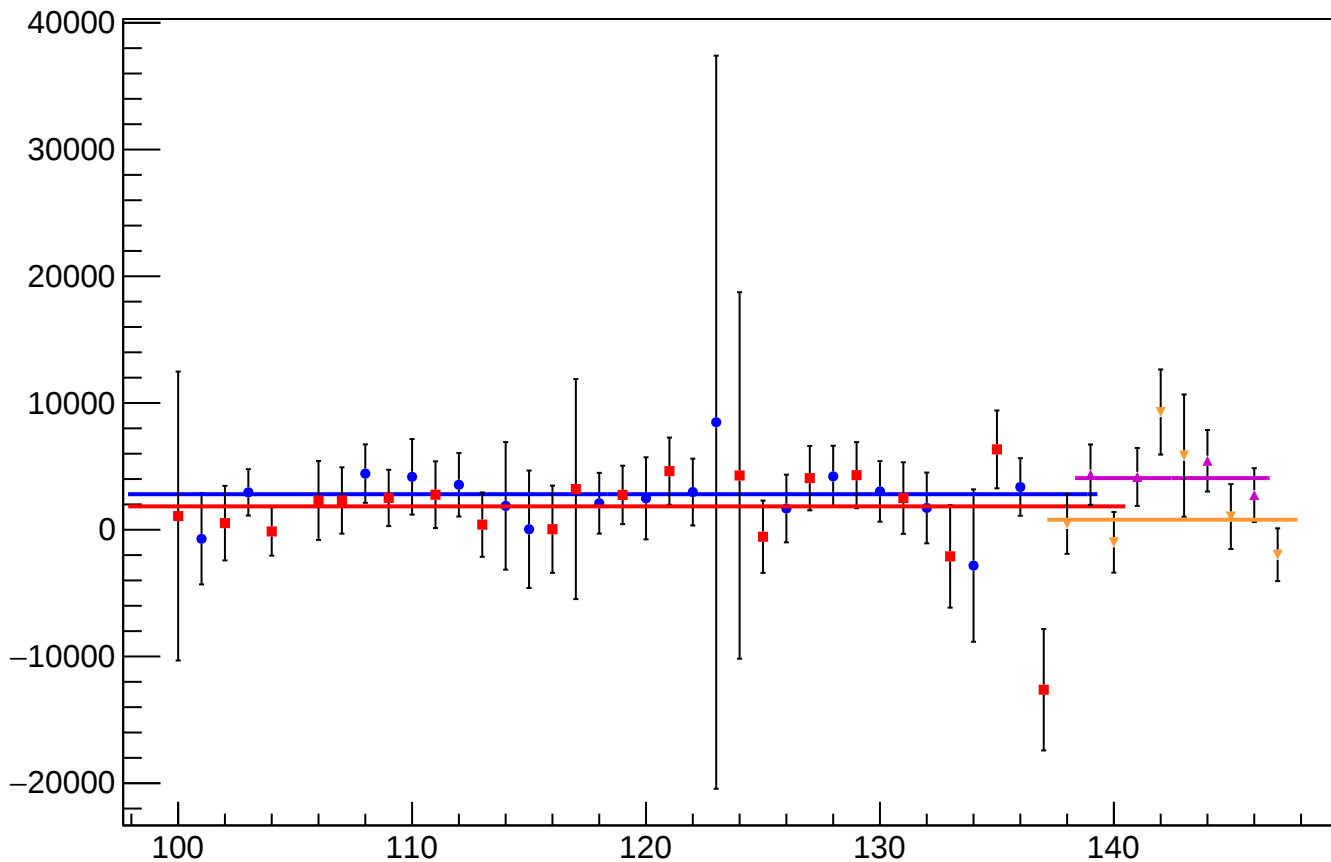
Left In: 1927.994 $\pm$ 0.759 χ^2/NDF : 883.0/3

2080.853 $\pm$ 0.458 χ^2/NDF : 878767.2/22

2095.158 $\pm$ 0.330 χ^2/NDF : 1872866.2/46

2110.638 $\pm$ 0.476 χ^2/NDF : 992066.6/23

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 792.738 $\pm$ 1073.204 χ^2 /NDF: 9.8/5

Right Out: 1844.945 $\pm$ 653.448 χ^2 /NDF: 18.1/19

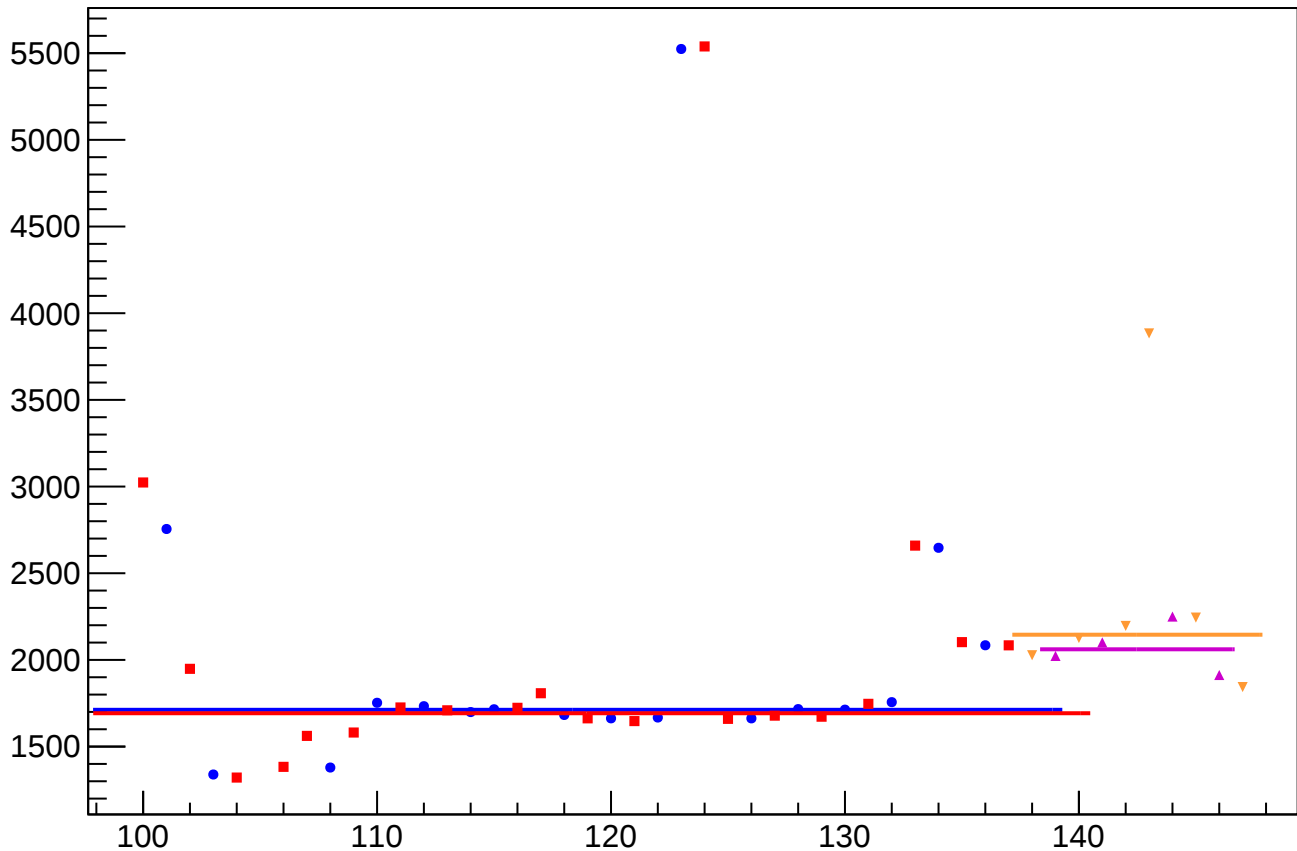
Left In: 4074.898 $\pm$ 1147.592 χ^2 /NDF: 0.7/3

2229.543 $\pm$ 573.528 χ^2 /NDF: 16.3/22

2311.040 $\pm$ 403.521 χ^2 /NDF: 37.9/46

2390.930 $\pm$ 567.845 χ^2 /NDF: 21.7/23

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 2145.387+/-0.759 χ^2/NDF : 309970.8/5

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

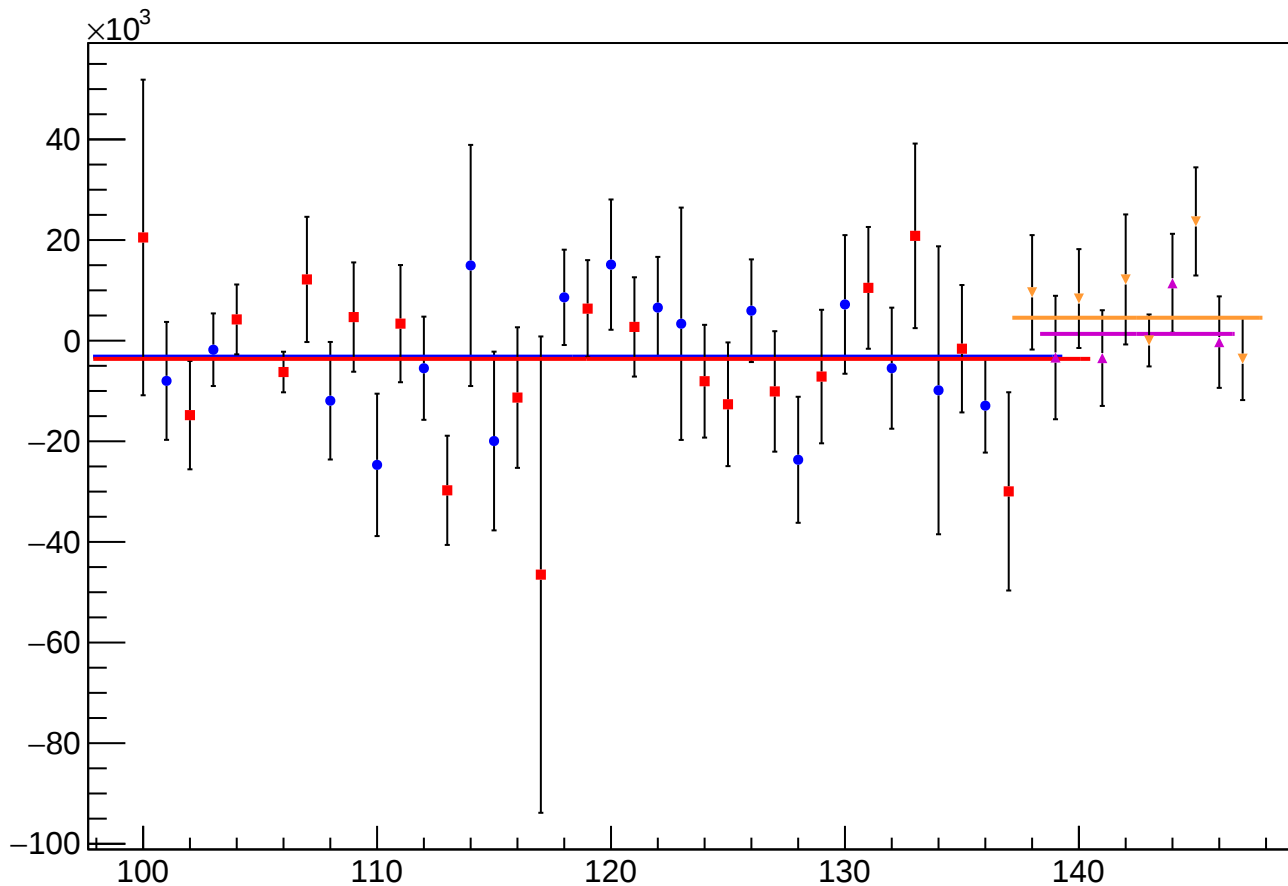
Left In: 2061.230+/-0.811 χ^2/NDF : 22980.3/3

1835.881+/-0.406 χ^2/NDF : 975288.7/22

1809.029+/-0.285 χ^2/NDF : 1618232.7/46

1782.707+/-0.402 χ^2/NDF : 634262.5/23

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: 4558.156 $\pm$ 3428.960 χ^2 /NDF:5.6/5

Right Out: -3618.416 $\pm$ 2263.938 χ^2 /NDF: 20.3/19

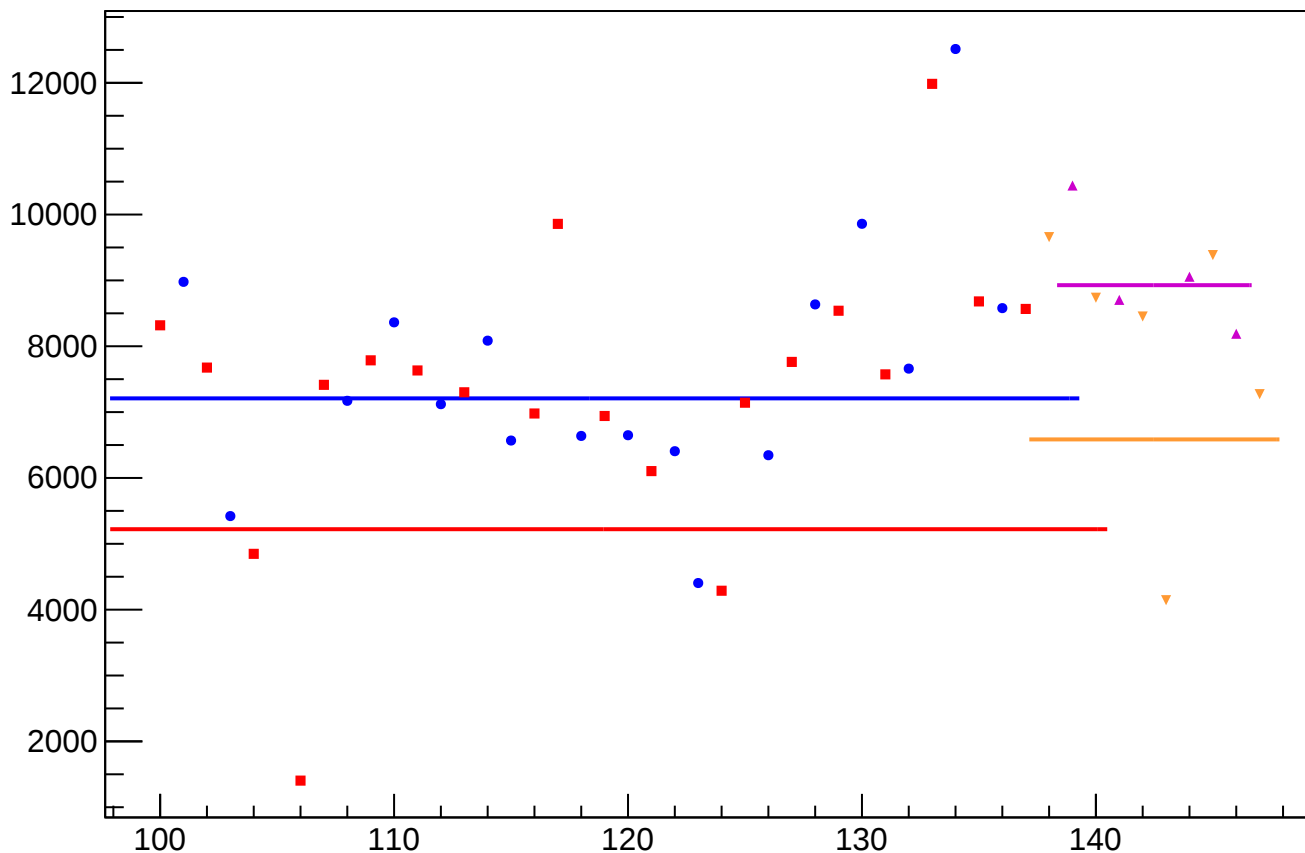
Left In: 1346.895 $\pm$ 4991.181 χ^2 /NDF:1.5/3

-11.822 $\pm$ 2192.677 χ^2 /NDF: 23.0/22

-1476.323 $\pm$ 1502.034 χ^2 /NDF: 46.5/46

-2771.160 $\pm$ 2061.757 χ^2 /NDF: 22.6/23

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 6585.259+/-2.425 χ^2/NDF : 880539.0/5

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

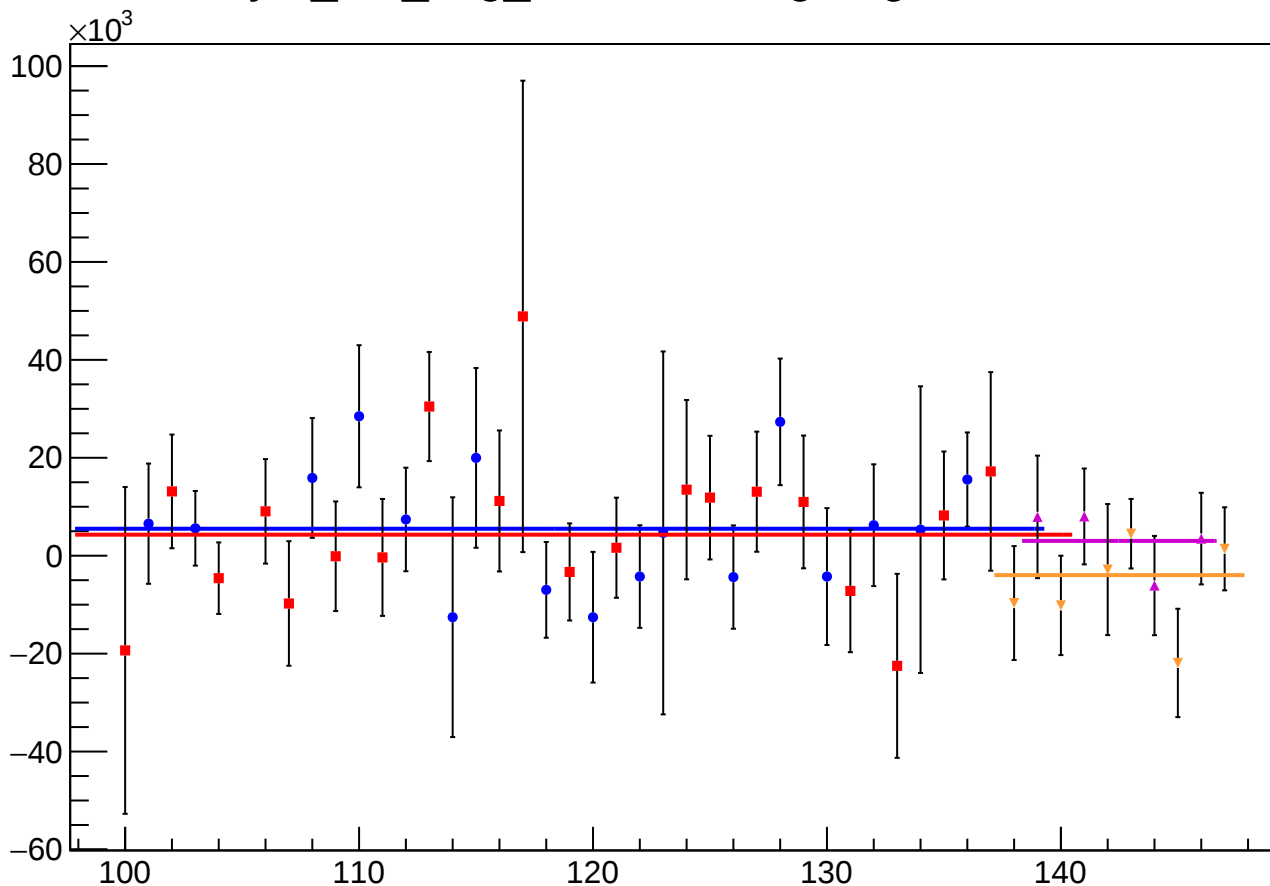
Left In: 8927.454+/-3.529 χ^2/NDF : 45023.7/3

6953.692+/-1.550 χ^2/NDF : 1388904.2/22

6370.106+/-1.062 χ^2/NDF : 5831277.7/46

5854.128+/-1.458 χ^2/NDF : 4175437.7/23

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 ± 2971.033 χ^2/NDF : 14.1/16

Left Out: -3964.690 ± 3935.405 χ^2/NDF : 5.1/5

Right Out: 4295.824 ± 2785.538 χ^2/NDF : 16.3/19

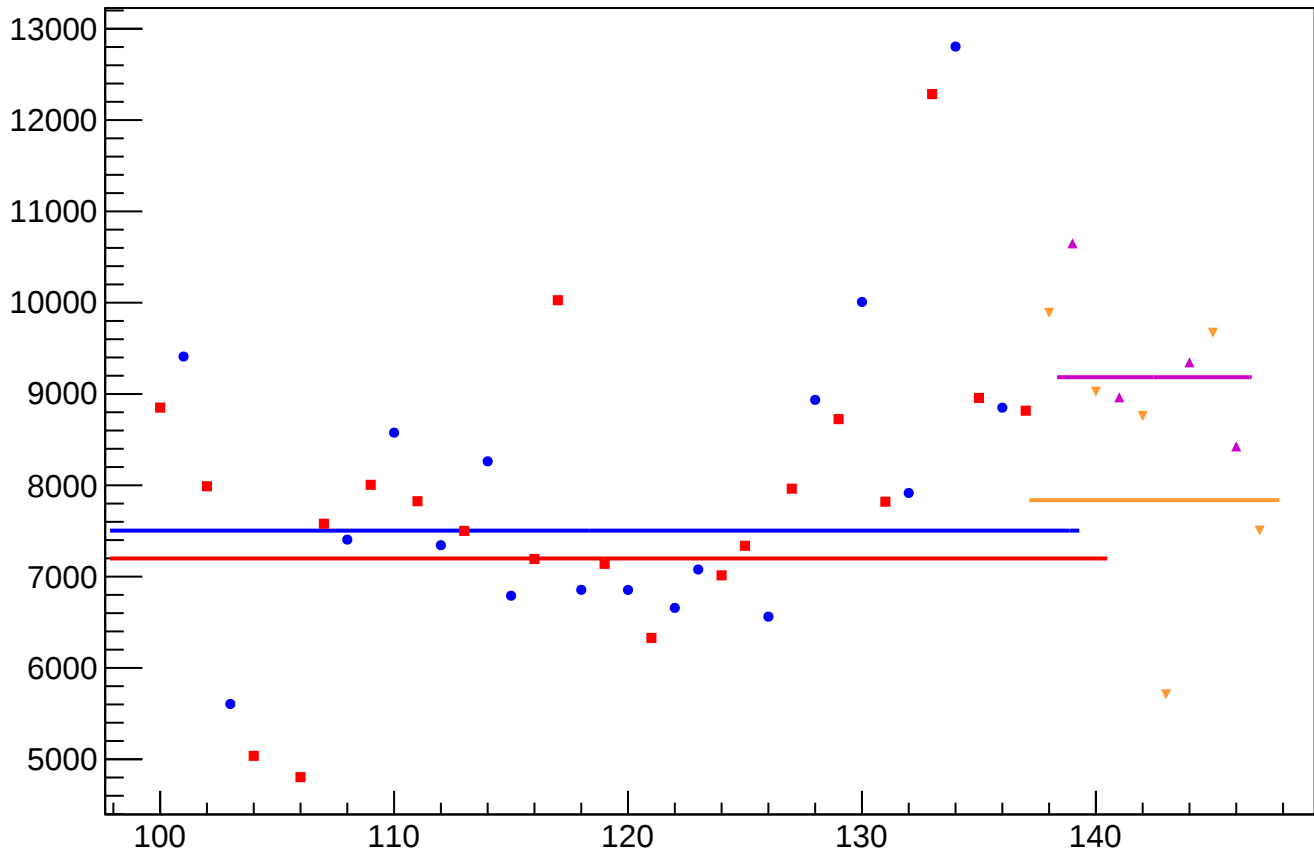
Left In: 3026.117 ± 5131.671 χ^2/NDF : 1.2/3

2069.954 ± 2371.181 χ^2/NDF : 22.8/22

3007.487 ± 1703.231 χ^2/NDF : 40.7/46

4006.854 ± 2448.125 χ^2/NDF : 17.6/23

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2/NDF : 427313.5/16

Left Out: 7837.160 $\pm$ 2.783 χ^2/NDF : 336318.5/5

Right Out: 7198.728 $\pm$ 1.969 χ^2/NDF : 564629.1/19

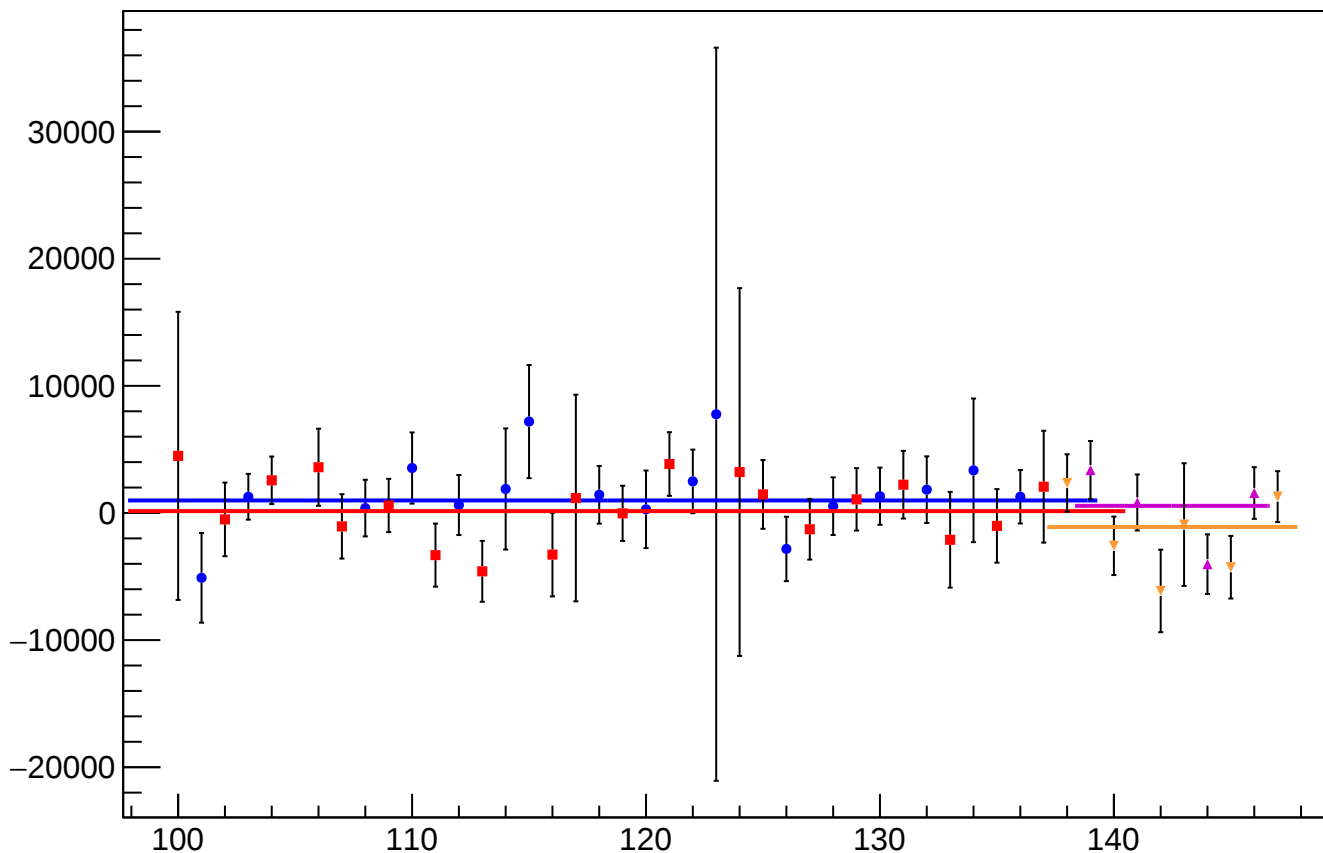
Left In: 9183.898 $\pm$ 3.629 χ^2/NDF : 42092.5/3

7624.733 $\pm$ 1.677 χ^2/NDF : 772780.5/22

7637.177 $\pm$ 1.204 χ^2/NDF : 1610812.6/46

7650.440 $\pm$ 1.731 χ^2/NDF : 837918.3/23

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -1102.551 ± 1033.274 χ^2/NDF : 8.2/5

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

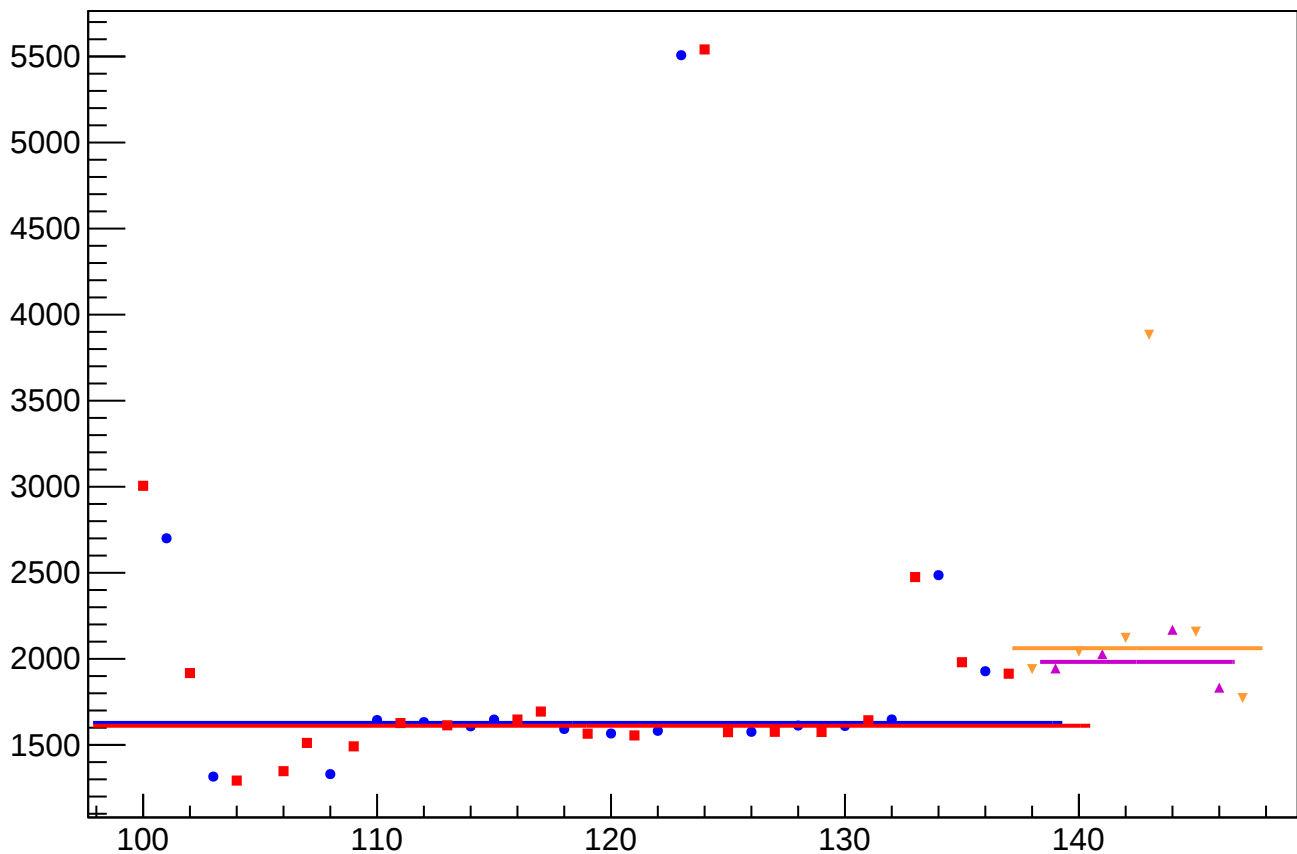
Left In: 560.160 ± 1103.843 χ^2/NDF : 5.6/3

400.458 ± 546.922 χ^2/NDF : 20.2/22

321.856 ± 384.877 χ^2/NDF : 40.7/46

244.745 ± 541.712 χ^2/NDF : 20.4/23

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2061.946+/-0.731 χ^2/NDF : 336272.9/5

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

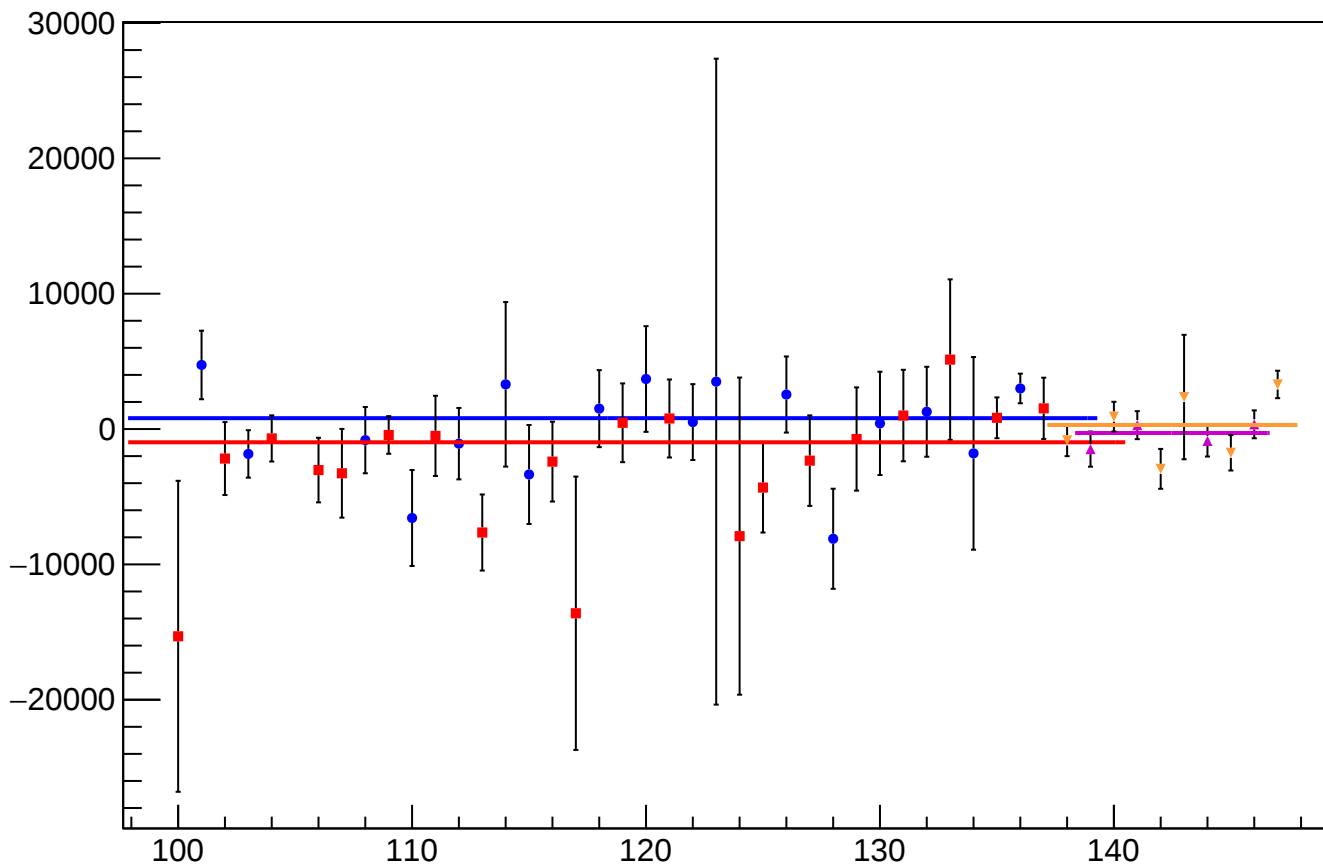
Left In: 1982.446+/-0.781 χ^2/NDF : 24942.3/3

1749.460+/-0.387 χ^2/NDF : 997493.3/22

1724.890+/-0.272 χ^2/NDF : 1636124.9/46

1700.786+/-0.383 χ^2/NDF : 630635.5/23

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 299.585 $\pm$ 524.670 χ^2 /NDF:17.5/5

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

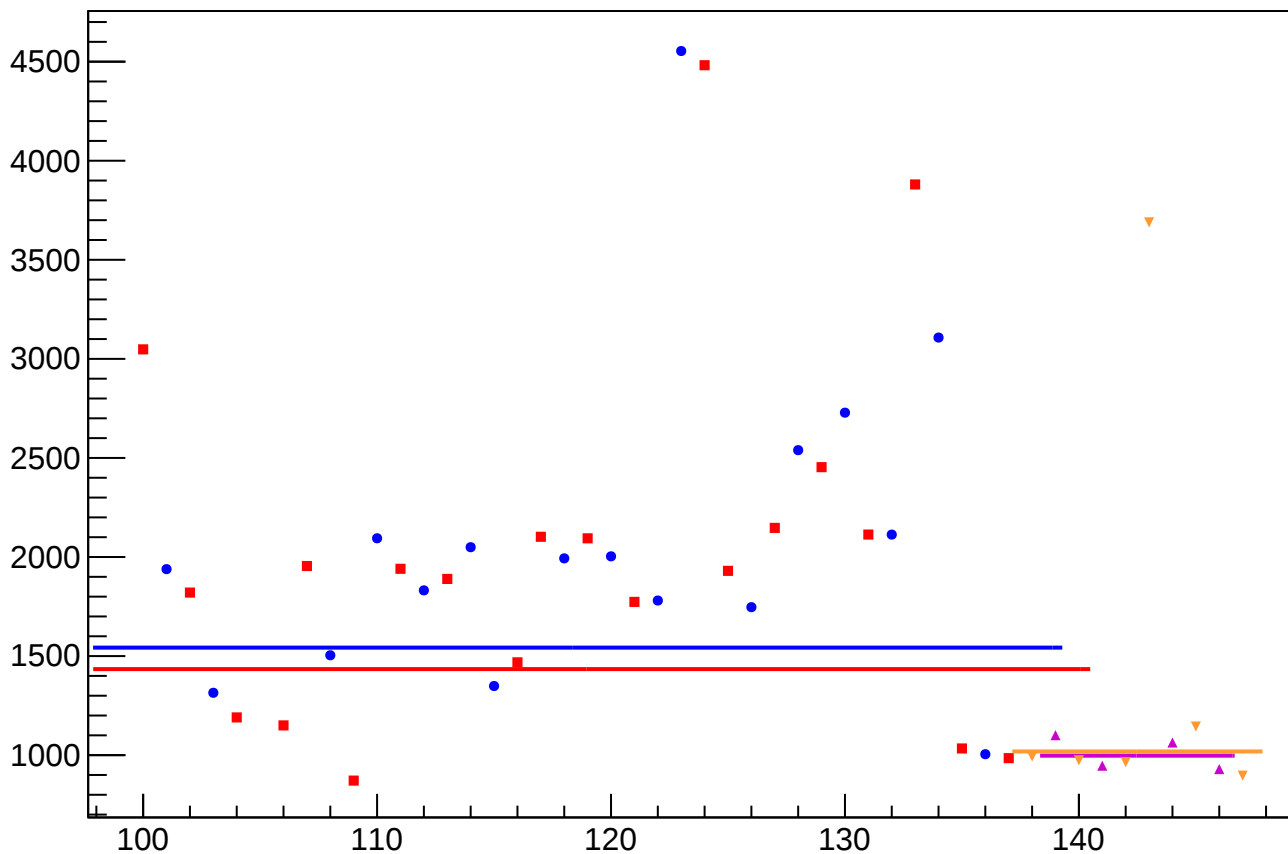
Left In: -292.413 $\pm$ 557.143 χ^2 /NDF:1.8/3

505.122 $\pm$ 403.604 χ^2 /NDF: 40.3/22

-53.832 $\pm$ 285.765 χ^2 /NDF: 63.5/46

-615.723 $\pm$ 404.664 χ^2 /NDF: 19.3/23

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1018.633+/-0.371 χ^2/NDF : 729575.8/5

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

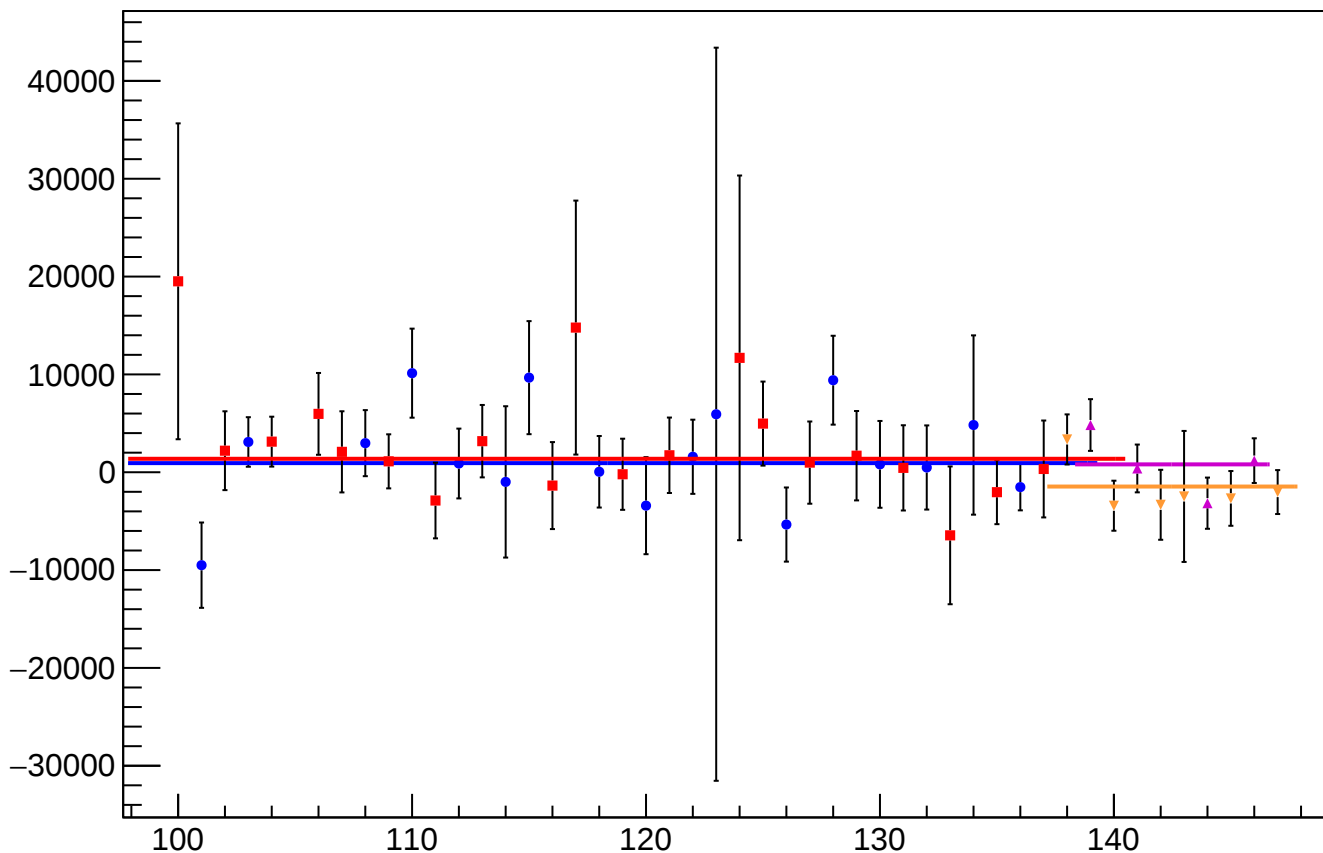
Left In: 997.483+/-0.394 χ^2/NDF : 32676.6/3

1232.584+/-0.285 χ^2/NDF : 2832157.9/22

1218.258+/-0.202 χ^2/NDF : 5283296.0/46

1203.857+/-0.286 χ^2/NDF : 2446085.3/23

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1461.931 ± 1168.579 χ^2/NDF : 4.7/5

Right Out: 1375.966 ± 923.072 χ^2/NDF : 9.6/19

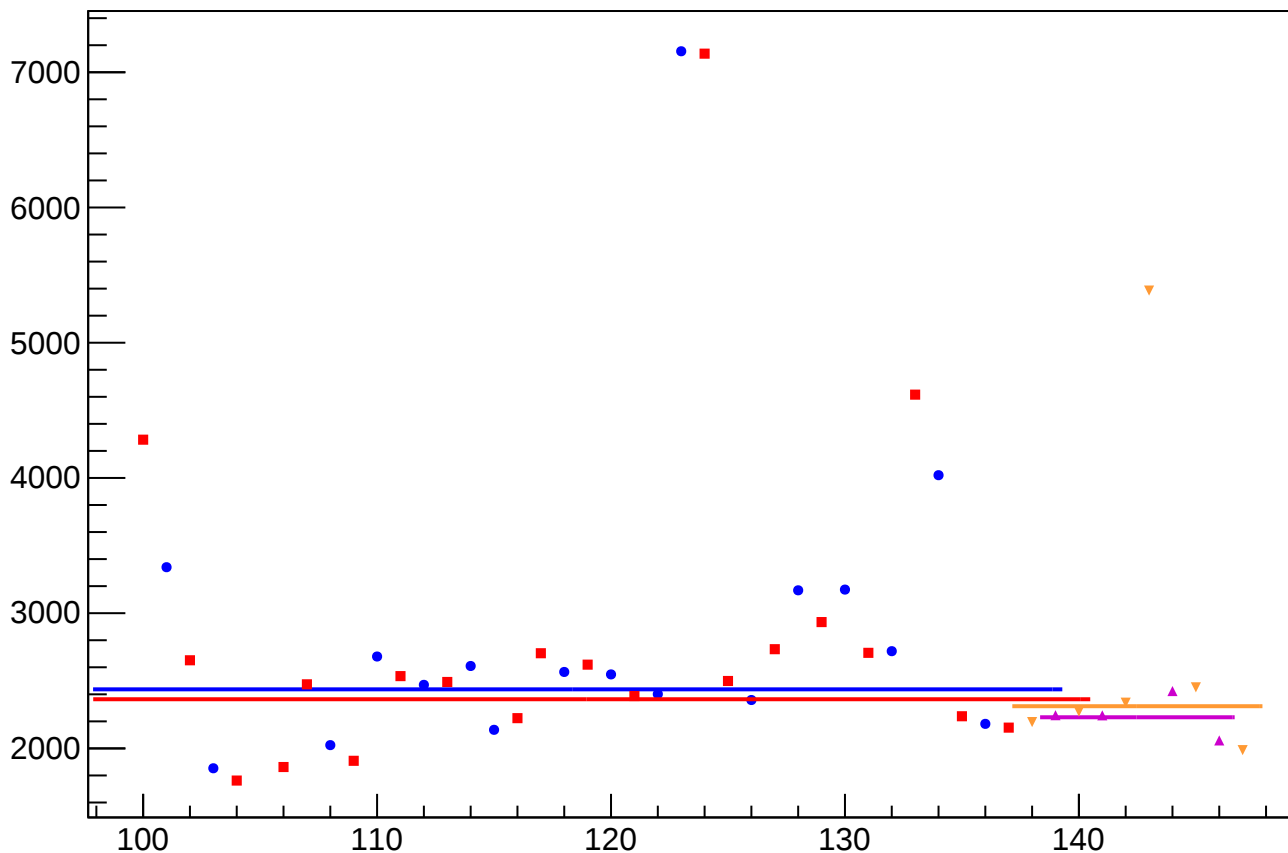
Left In: 804.637 ± 1241.726 χ^2/NDF : 4.7/3

-41.634 ± 745.432 χ^2/NDF : 28.8/22

569.271 ± 525.457 χ^2/NDF : 44.5/46

1172.617 ± 740.806 χ^2/NDF : 14.4/23

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855 ± 0.684 $\chi^2/\text{NDF}: 469030.2/16$

Left Out: 2312.071 ± 0.826 $\chi^2/\text{NDF}: 473049.2/5$

Right Out: 2363.609 ± 0.653 $\chi^2/\text{NDF}: 657228.5/19$

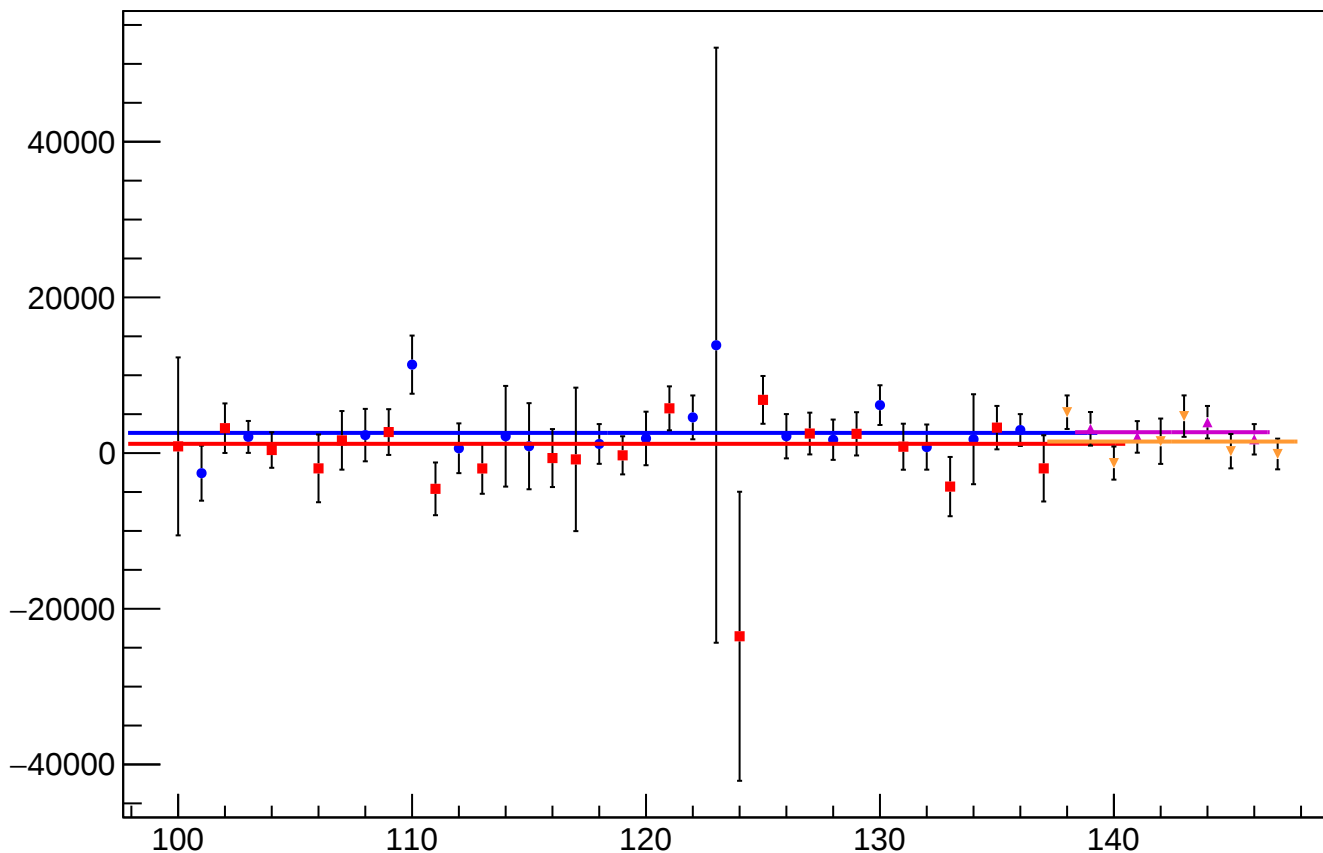
Left In: 2230.337 ± 0.878 $\chi^2/\text{NDF}: 22355.1/3$

2386.079 ± 0.527 $\chi^2/\text{NDF}: 955604.8/22$

2350.909 ± 0.372 $\chi^2/\text{NDF}: 1658876.2/46$

2316.175 ± 0.524 $\chi^2/\text{NDF}: 694422.5/23$

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1481.837+/-929.025 χ^2/NDF : 7.2/5

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

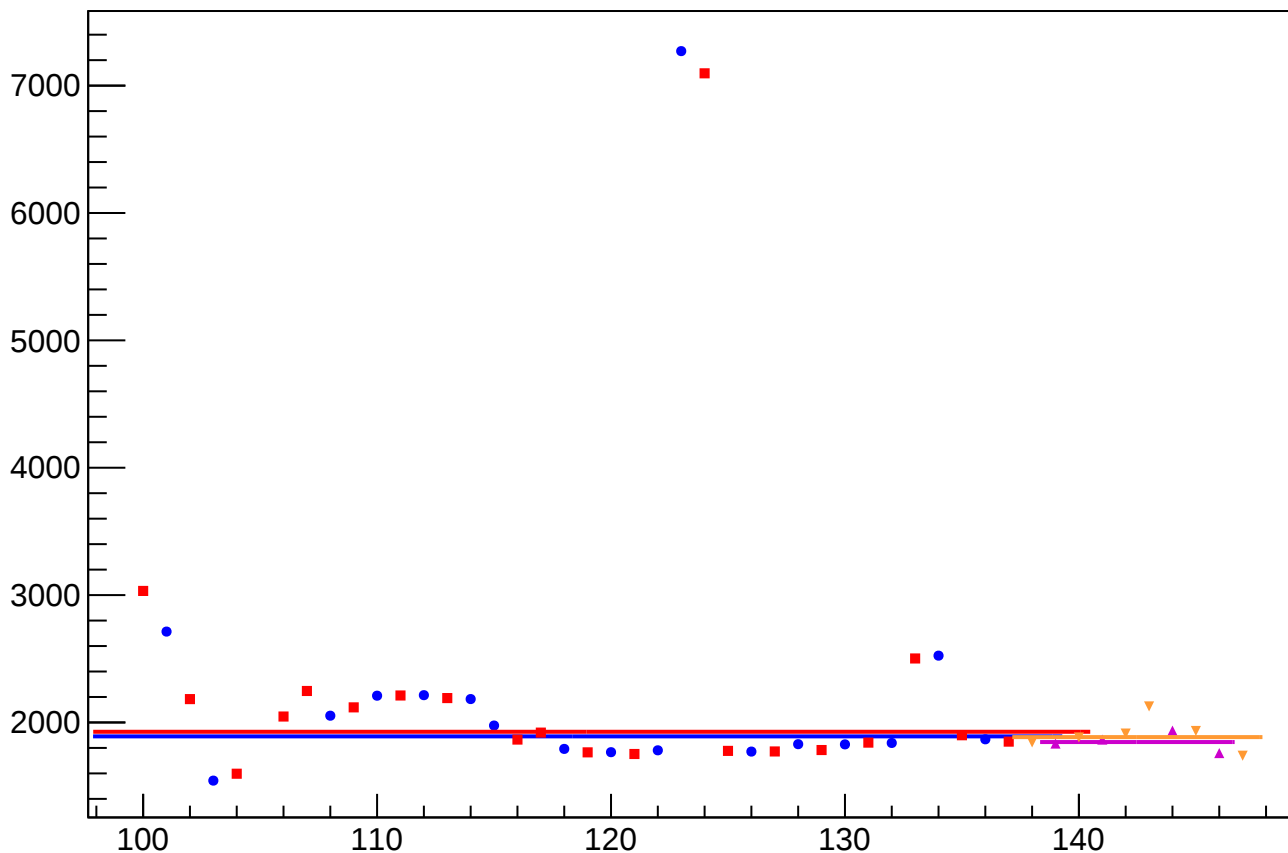
Left In: 2683.054+/-1027.526 χ^2/NDF : 0.7/3

2160.558+/-580.253 χ^2/NDF : 19.8/22

1936.248+/-416.775 χ^2/NDF : 39.5/46

1697.200+/-599.012 χ^2/NDF : 19.4/23

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1885.000+/-0.657 χ^2/NDF : 29221.5/5

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

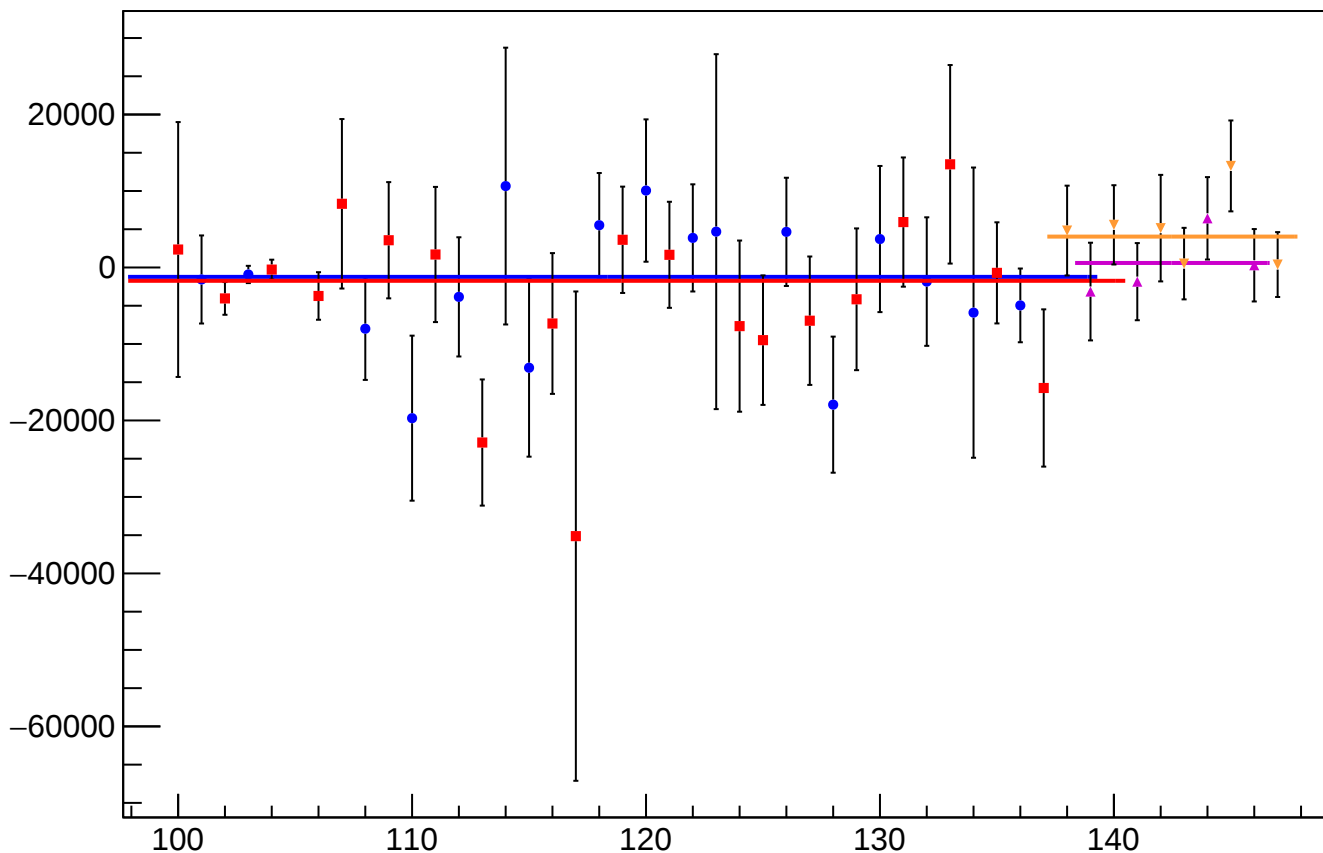
Left In: 1846.194+/-0.727 χ^2/NDF : 7859.1/3

1888.490+/-0.410 χ^2/NDF : 318212.6/22

1893.841+/-0.295 χ^2/NDF : 696833.4/46

1899.533+/-0.423 χ^2/NDF : 378269.7/23

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 4038.634 $\pm$ 2149.038 χ^2 /NDF: 3.9/5

Right Out: -1740.671 $\pm$ 941.173 χ^2 /NDF: 18.9/19

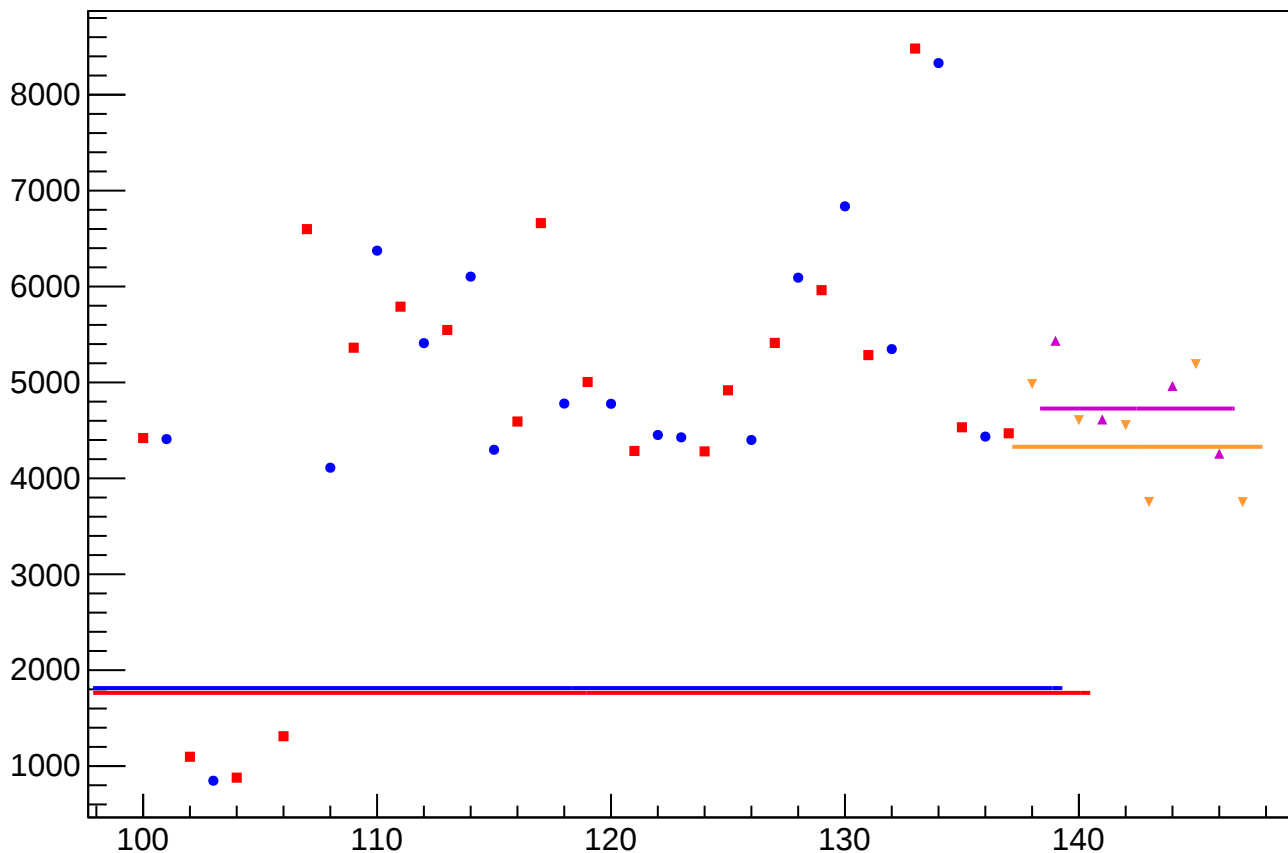
Left In: 590.945 $\pm$ 2645.168 χ^2 /NDF: 1.8/3

-313.382 $\pm$ 895.127 χ^2 /NDF: 22.7/22

-901.521 $\pm$ 629.955 χ^2 /NDF: 44.8/46

-1478.660 $\pm$ 886.716 χ^2 /NDF: 21.3/23

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4328.856+/-1.520 χ^2/NDF :142168.9/5

Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

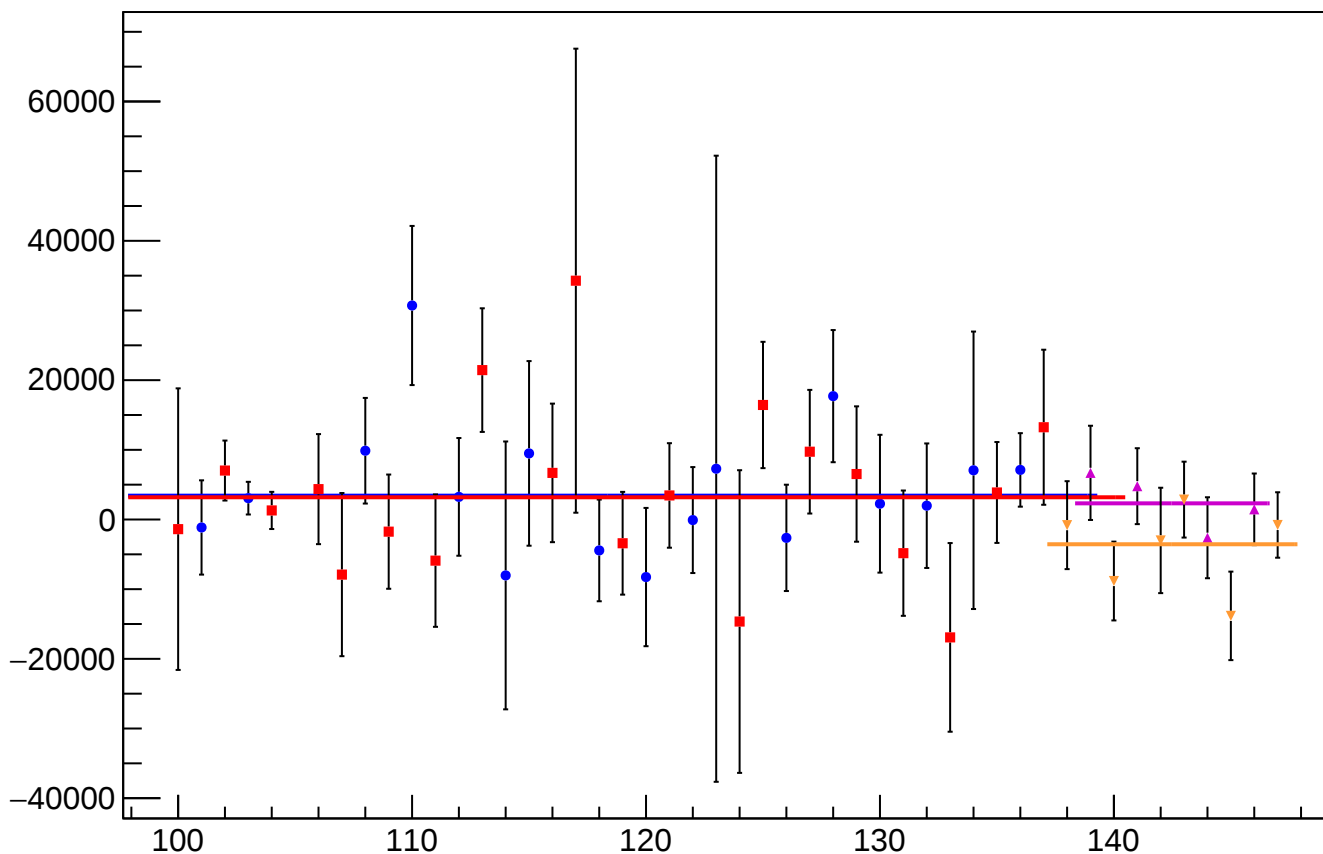
Left In: 4727.805+/-1.870 χ^2/NDF :49082.3/3

2249.644+/-0.633 χ^2/NDF : 8856334.6/22

2172.349+/-0.445 χ^2/NDF : 17524600.6/4

2096.500+/-0.627 χ^2/NDF : 8638719.3/23

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264 $\pm$ 1606.678 χ^2/NDF : 13.7/16

Left Out: -3552.782 $\pm$ 2372.412 χ^2/NDF : 5.4/5

Right Out: 3190.143 $\pm$ 1604.066 χ^2/NDF : 16.9/19

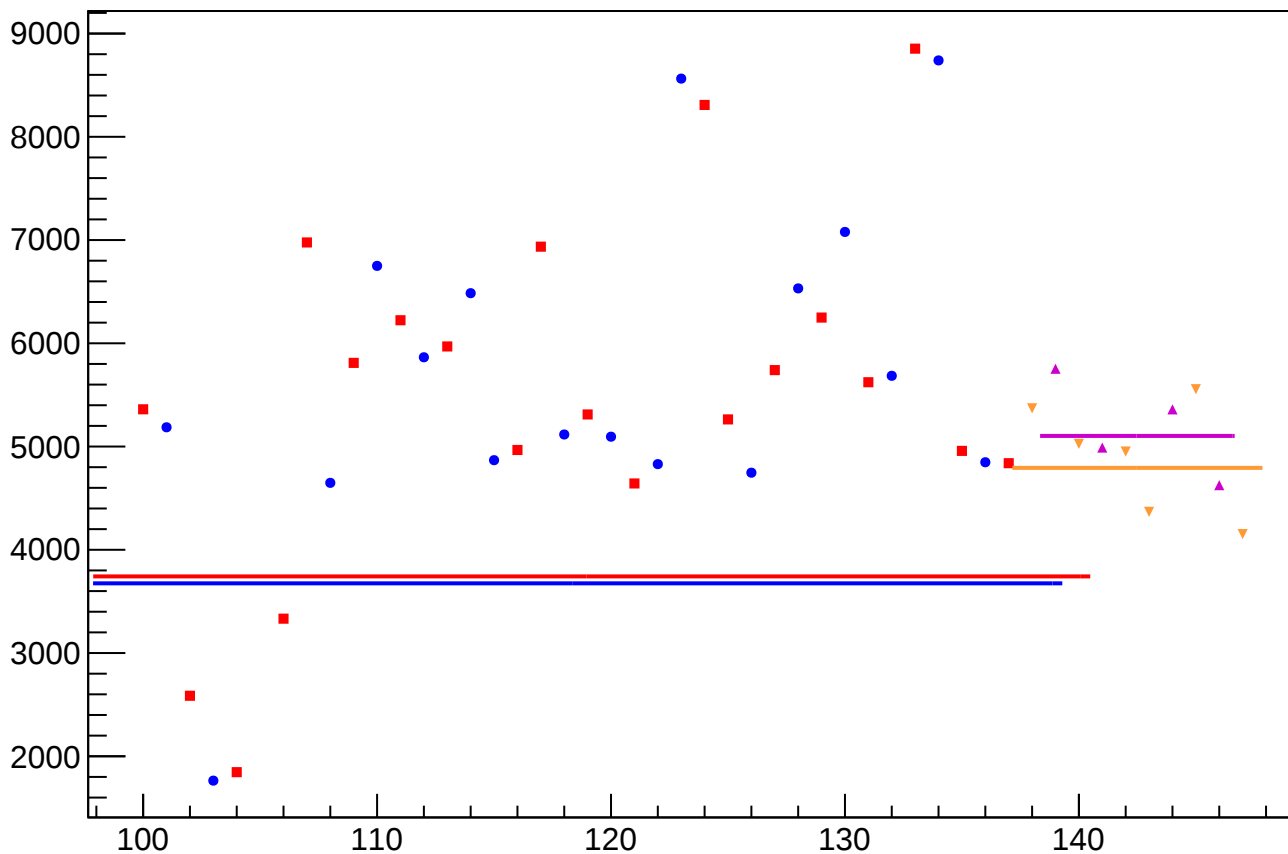
Left In: 2319.757 $\pm$ 2851.116 χ^2/NDF : 1.4/3

1228.397 $\pm$ 1330.313 χ^2/NDF : 25.0/22

2061.188 $\pm$ 963.714 χ^2/NDF : 44.2/46

2980.878 $\pm$ 1397.999 χ^2/NDF : 18.3/23

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2/NDF : 2775085.7/16

Left Out: 4793.316 $\pm$ 1.678 χ^2/NDF : 99307.5/5

Right Out: 3742.124 $\pm$ 1.127 χ^2/NDF : 2712365.3/19

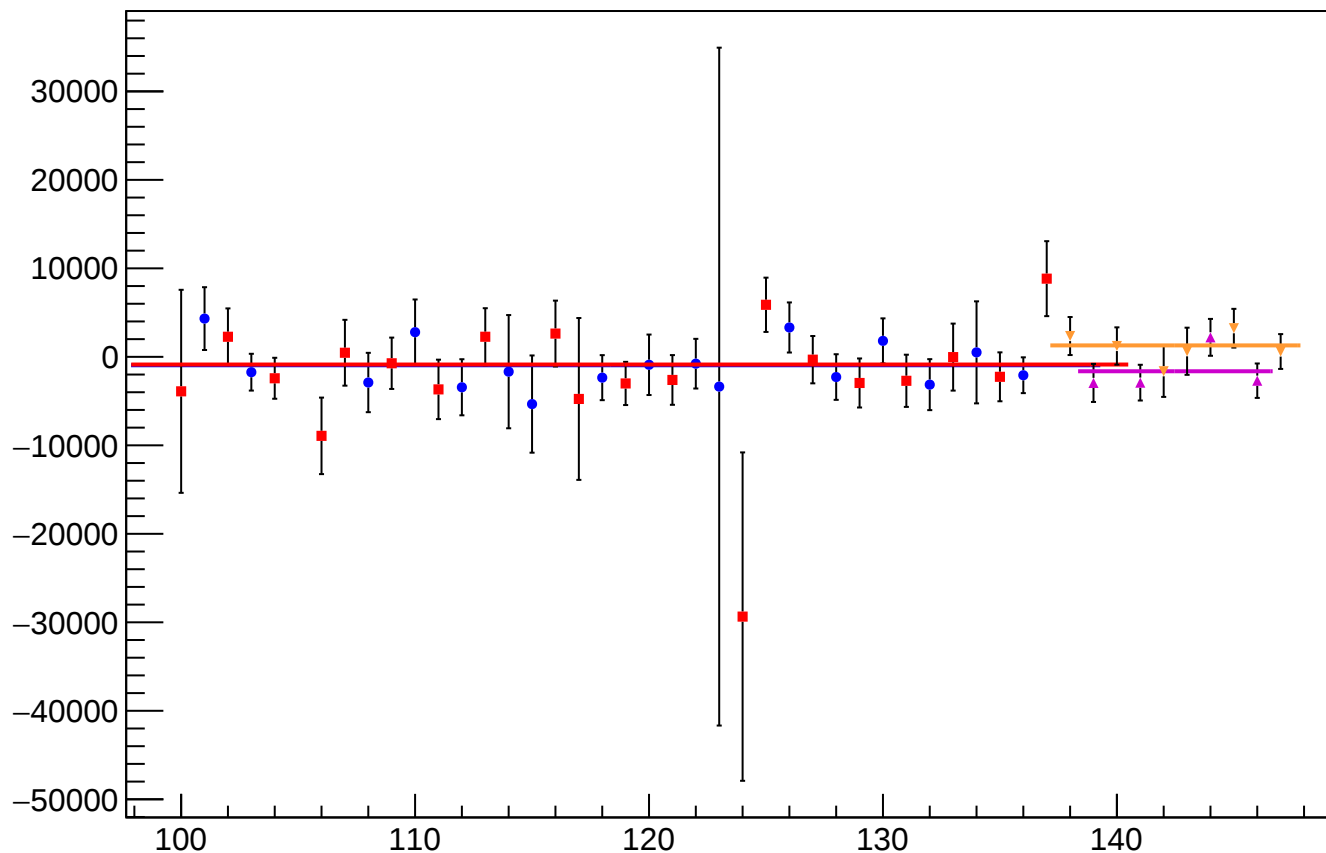
Left In: 5102.765 $\pm$ 2.016 χ^2/NDF : 40515.3/3

4026.637 $\pm$ 0.941 χ^2/NDF : 3179060.8/22

4045.426 $\pm$ 0.680 χ^2/NDF : 6279863.0/46

4065.967 $\pm$ 0.984 χ^2/NDF : 3099967.0/23

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1292.934+/-925.030 χ^2/NDF : 2.2/5

Right Out: -868.810+/-735.140 χ^2/NDF : 22.7/19

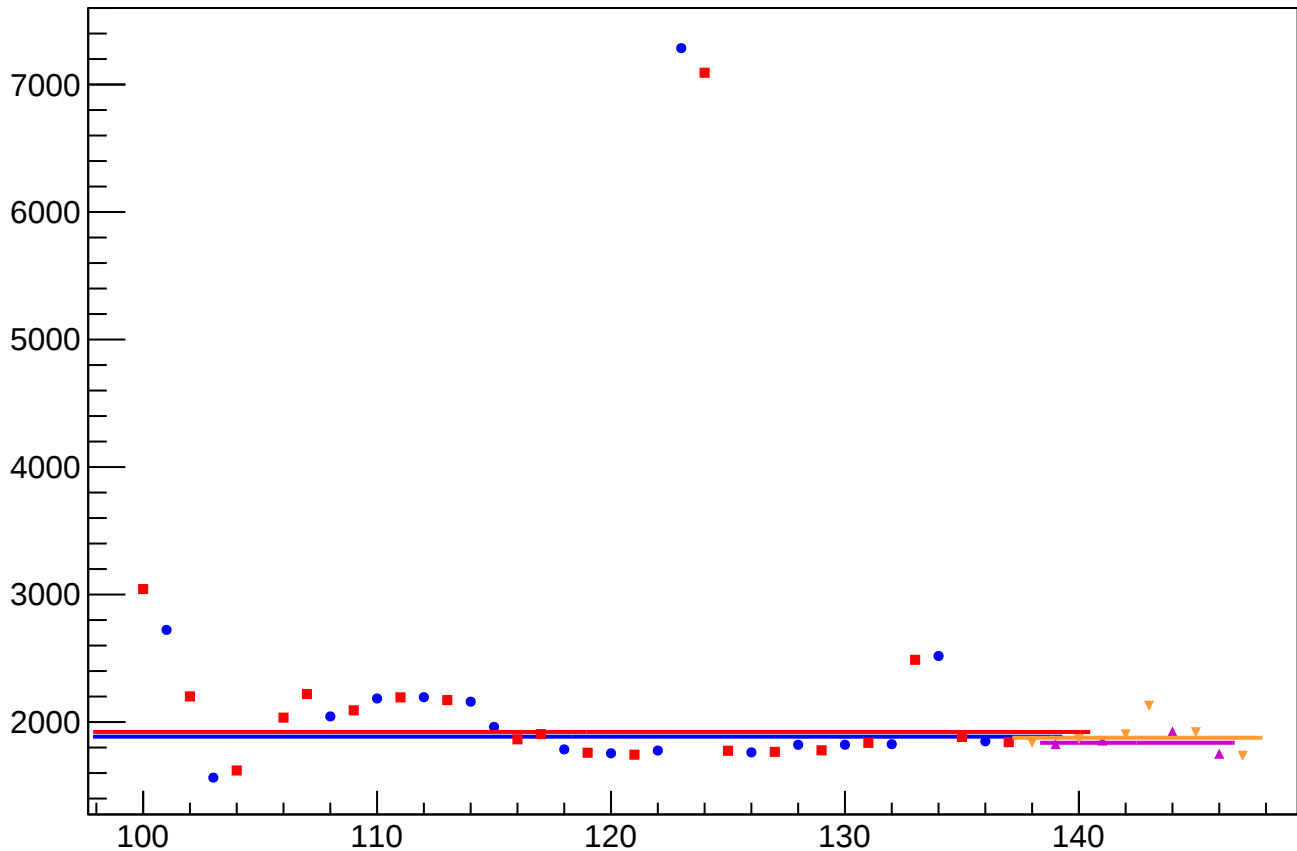
Left In: -1629.162+/-1022.627 χ^2/NDF : 4.5/3

-74.619+/-578.168 χ^2/NDF : 15.8/22

-584.449+/-415.294 χ^2/NDF : 44.9/46

-1127.869+/-596.910 χ^2/NDF : 27.5/23

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1876.840+/-0.654 χ^2/NDF : 29726.5/5

Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

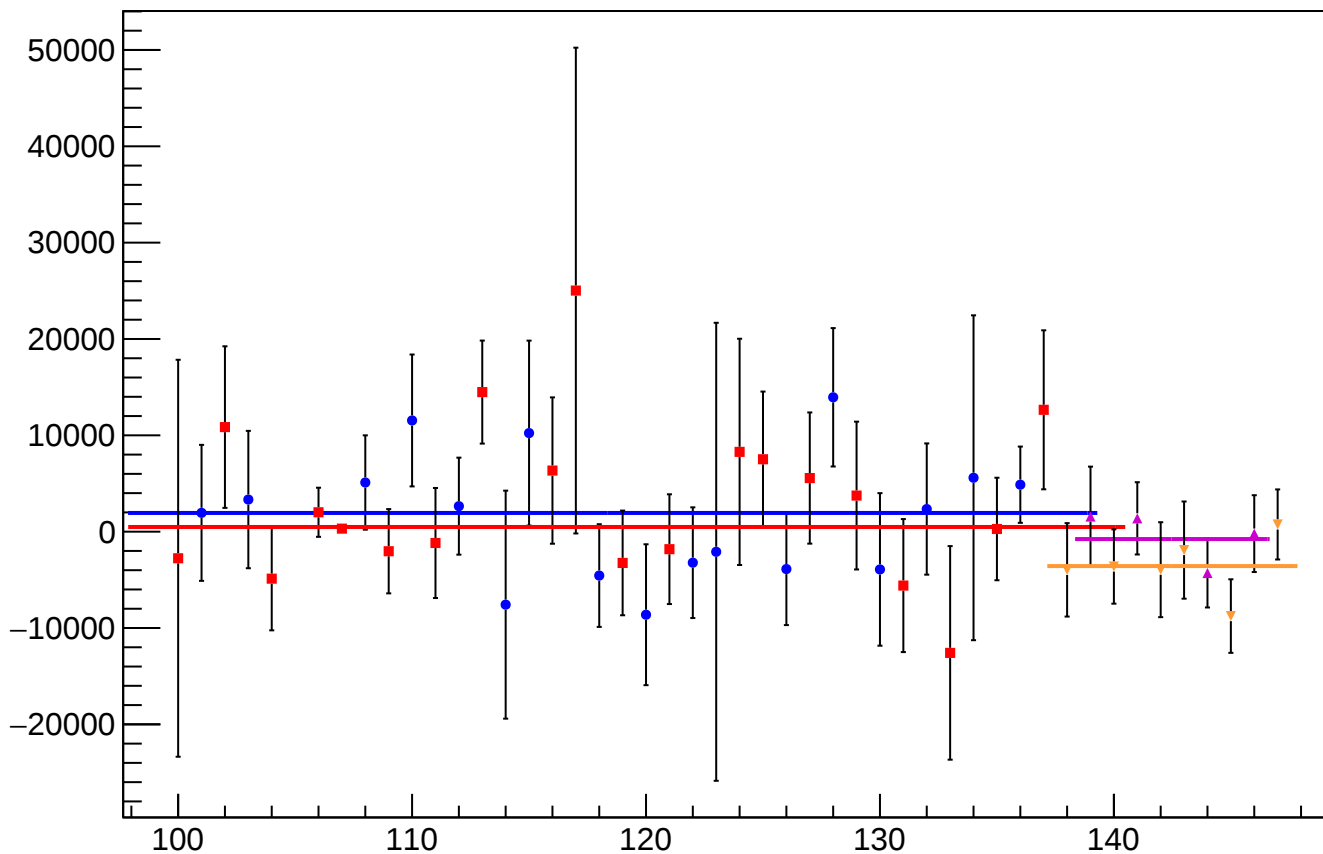
Left In: 1837.426+/-0.723 χ^2/NDF : 7734.8/3

1882.032+/-0.409 χ^2/NDF : 310258.9/22

1887.602+/-0.294 χ^2/NDF : 679015.9/46

1893.528+/-0.422 χ^2/NDF : 368373.8/23

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -3570.090+/-1729.056 χ^2/NDF : 3.4/5

Right Out: 486.774+/-453.611 χ^2/NDF : 19.0/19

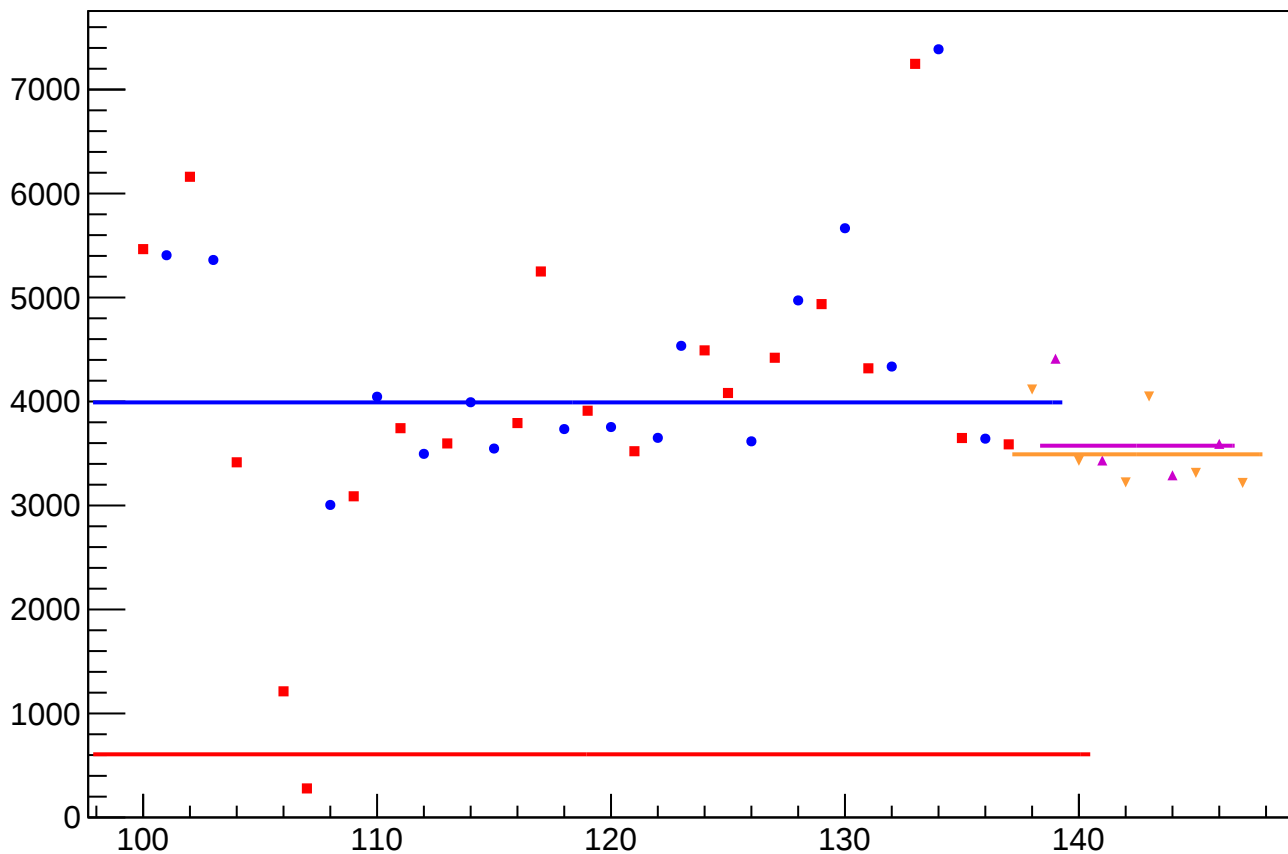
Left In: -766.471+/-2002.643 χ^2/NDF : 1.5/3

-567.448+/-1166.798 χ^2/NDF : 22.1/22

300.793+/-413.667 χ^2/NDF : 43.6/46

425.614+/-442.404 χ^2/NDF : 20.9/23

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416 ± 1.118 $\chi^2/\text{NDF}: 510782.7/16$

Left Out: 3492.087 ± 1.223 $\chi^2/\text{NDF}: 79716.3/5$

Right Out: 607.234 ± 0.321 $\chi^2/\text{NDF}: 10314440.1/19$

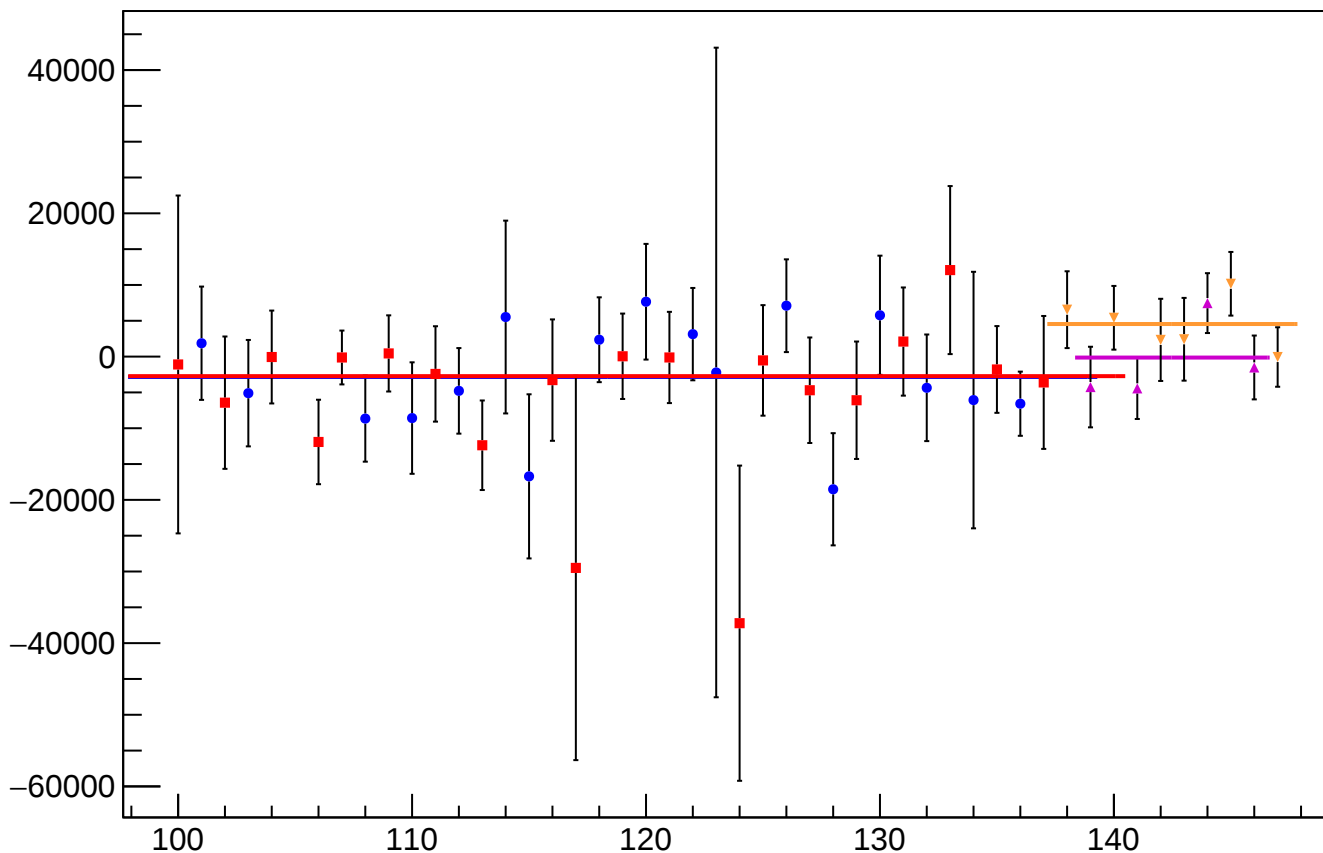
Left In: 3574.966 ± 1.416 $\chi^2/\text{NDF}: 67708.4/3$

3764.032 ± 0.825 $\chi^2/\text{NDF}: 681339.8/22$

1130.647 ± 0.293 $\chi^2/\text{NDF}: 26893330.7/4$

752.064 ± 0.313 $\chi^2/\text{NDF}: 14559909.0/23$

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599+/-1786.019 χ^2 /NDF: 15.4/16

Left Out: 4547.653+/-1982.736 χ^2 /NDF: 3.3/5

Right Out: -2729.311+/-1572.398 χ^2 /NDF: 12.2/19

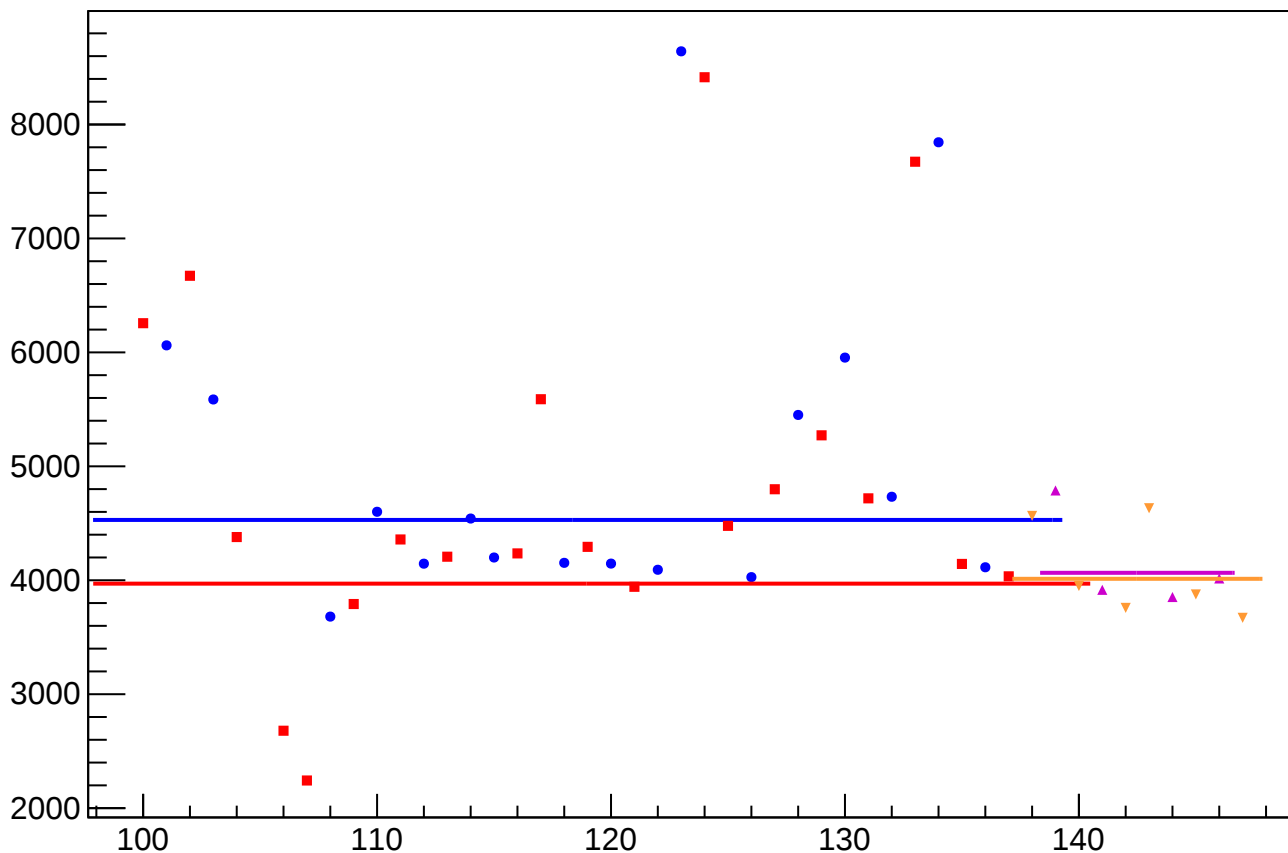
Left In: -135.406+/-2270.267 χ^2 /NDF: 5.0/3

469.485+/-1327.019 χ^2 /NDF: 26.4/22

-740.401+/-925.948 χ^2 /NDF: 46.0/46

-1888.398+/-1292.634 χ^2 /NDF: 18.0/23

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2/NDF : 389326.2/16

Left Out: 4012.817 $\pm$ 1.402 χ^2/NDF : 64065.7/5

Right Out: 3970.336 $\pm$ 1.105 χ^2/NDF : 1147711.9/19

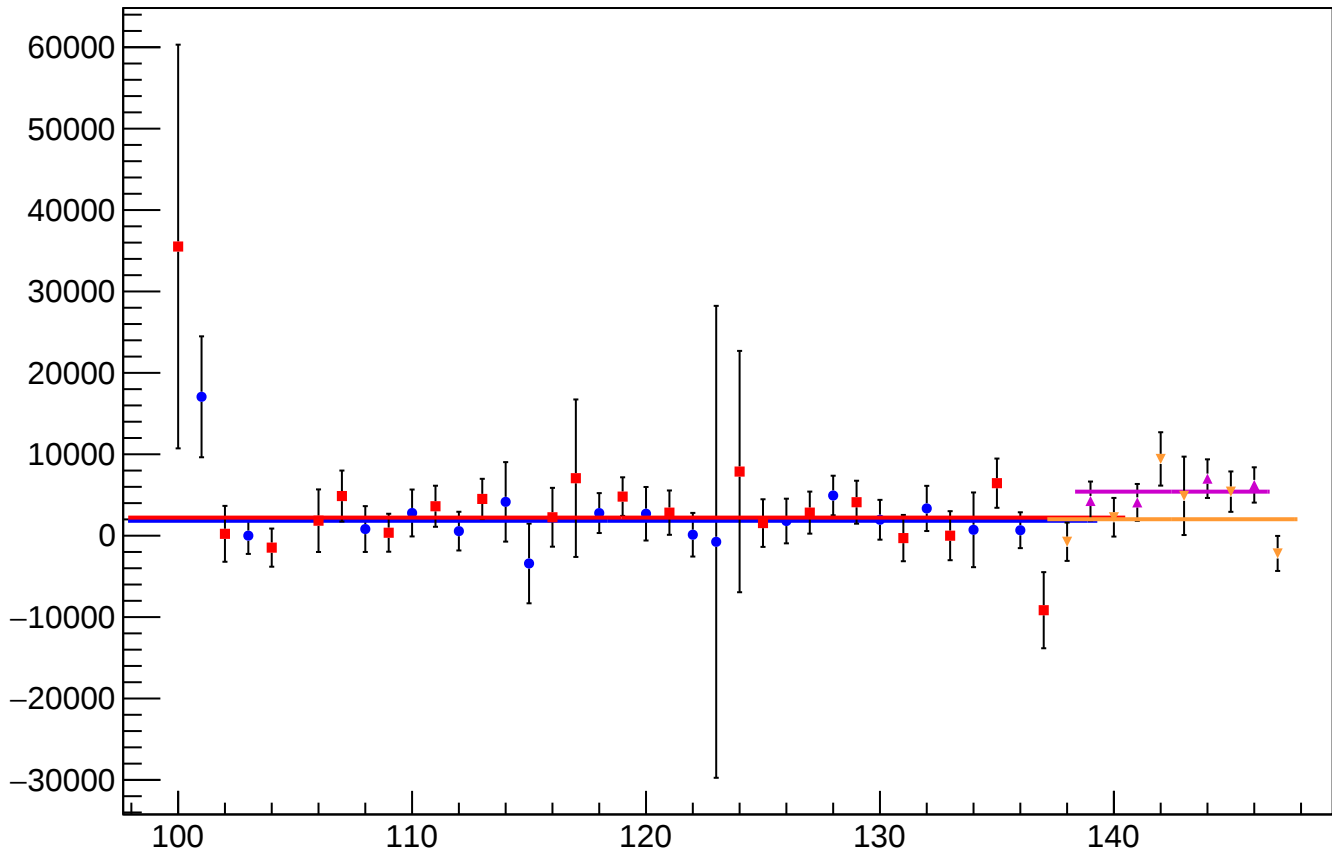
Left In: 4065.445 $\pm$ 1.605 χ^2/NDF : 40862.6/3

4298.033 $\pm$ 0.938 χ^2/NDF : 528358.3/22

4144.926 $\pm$ 0.653 χ^2/NDF : 1770982.1/46

4000.903 $\pm$ 0.910 χ^2/NDF : 1190956.5/23

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 2021.278 $\pm$ 1070.240 χ^2 /NDF:12.5/5

Right Out: 2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

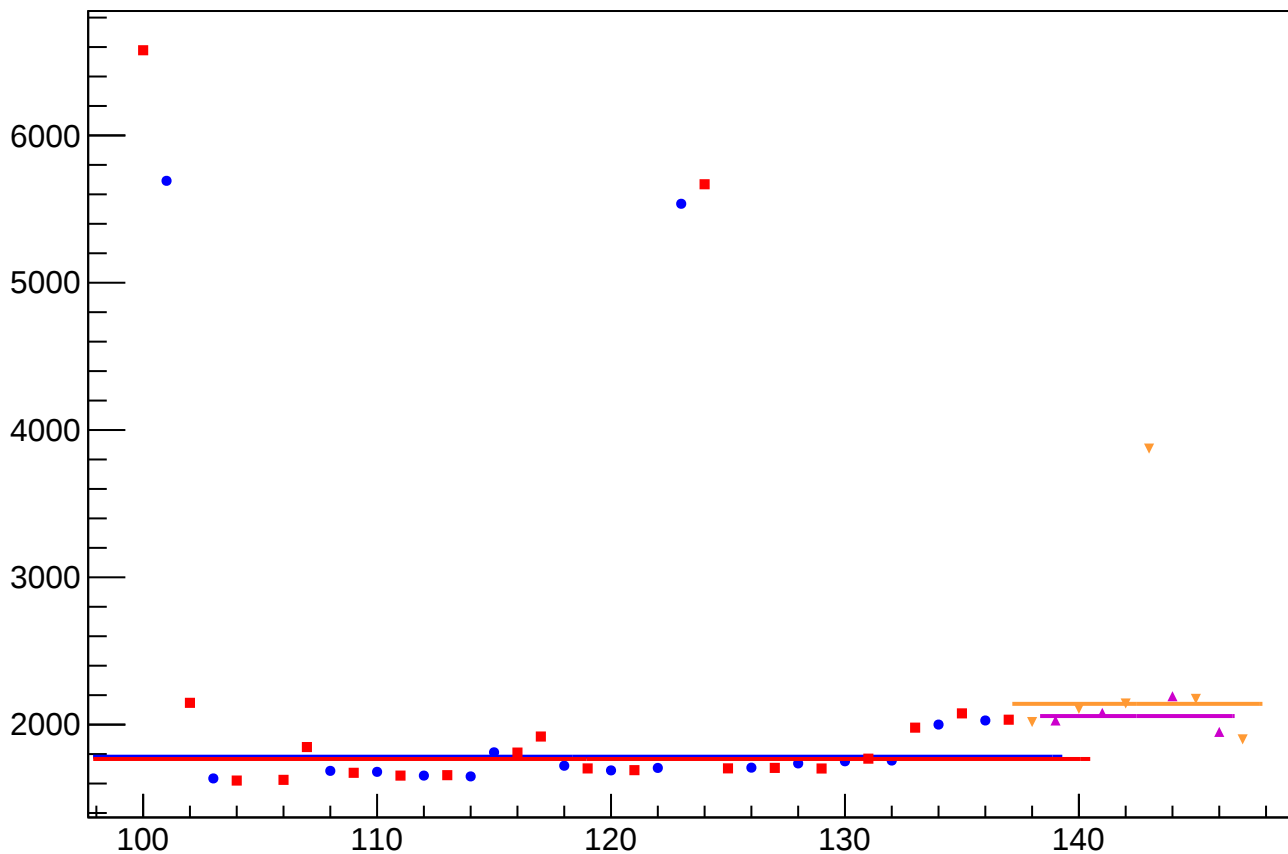
Left In: 5409.515 $\pm$ 1146.285 χ^2 /NDF:1.2/3

1888.679 $\pm$ 592.417 χ^2 /NDF: 22.2/22

2478.498 $\pm$ 416.768 χ^2 /NDF: 49.7/46

3056.445 $\pm$ 586.425 χ^2 /NDF: 25.5/23

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137 $\pm$ 0.503 χ^2 /NDF: 645188.8/16

Left Out: 2141.015 $\pm$ 0.757 χ^2 /NDF: 290500.3/5

Right Out: 1766.719 $\pm$ 0.479 χ^2 /NDF: 307297.1/19

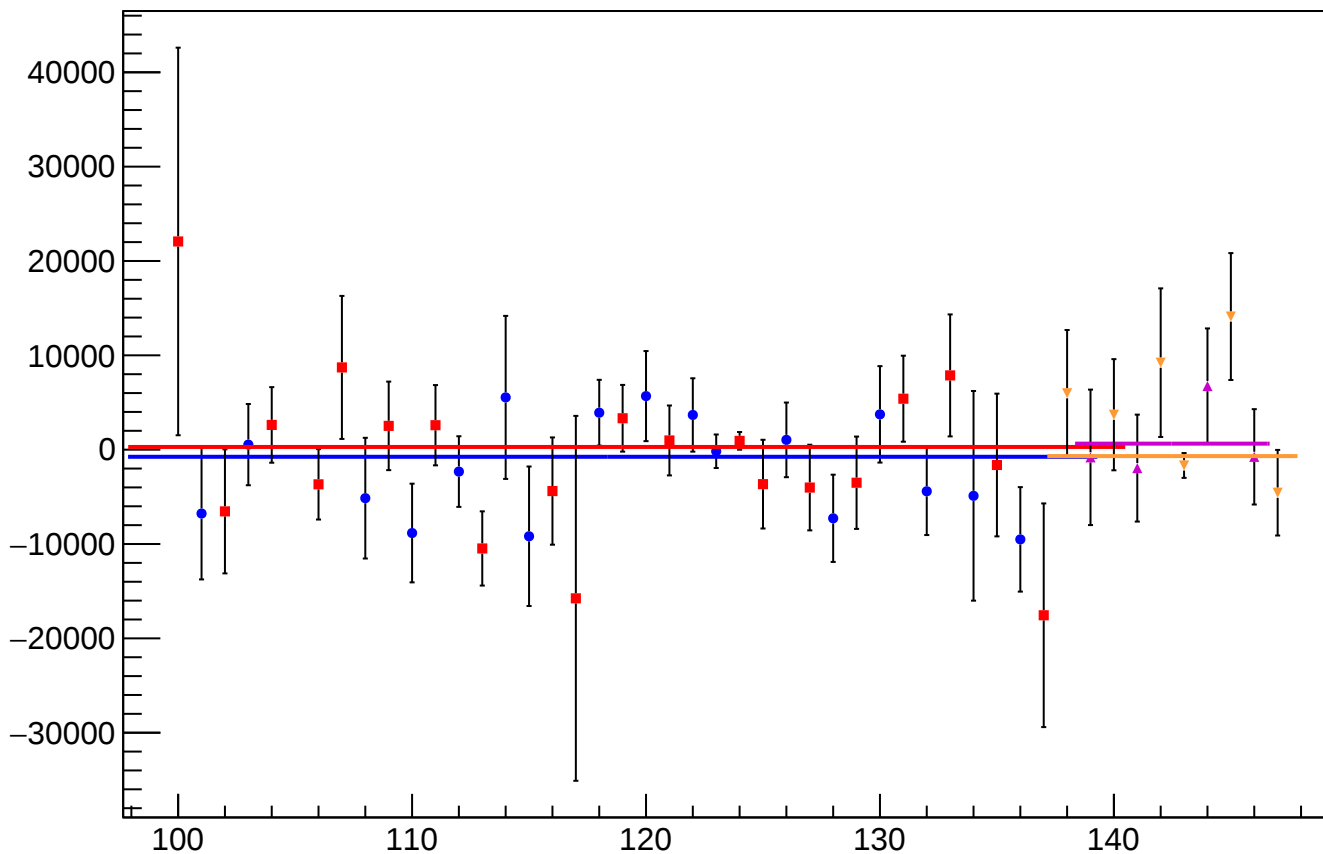
Left In: 2058.134 $\pm$ 0.811 χ^2 /NDF: 11845.1/3

1892.098 $\pm$ 0.419 χ^2 /NDF: 1091669.1/22

1866.780 $\pm$ 0.294 χ^2 /NDF: 1513779.0/46

1842.221 $\pm$ 0.413 χ^2 /NDF: 414913.8/23

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -681.941+/-1181.813 χ^2/NDF : 9.3/5

Right Out: 288.847+/-724.622 χ^2/NDF : 22.7/19

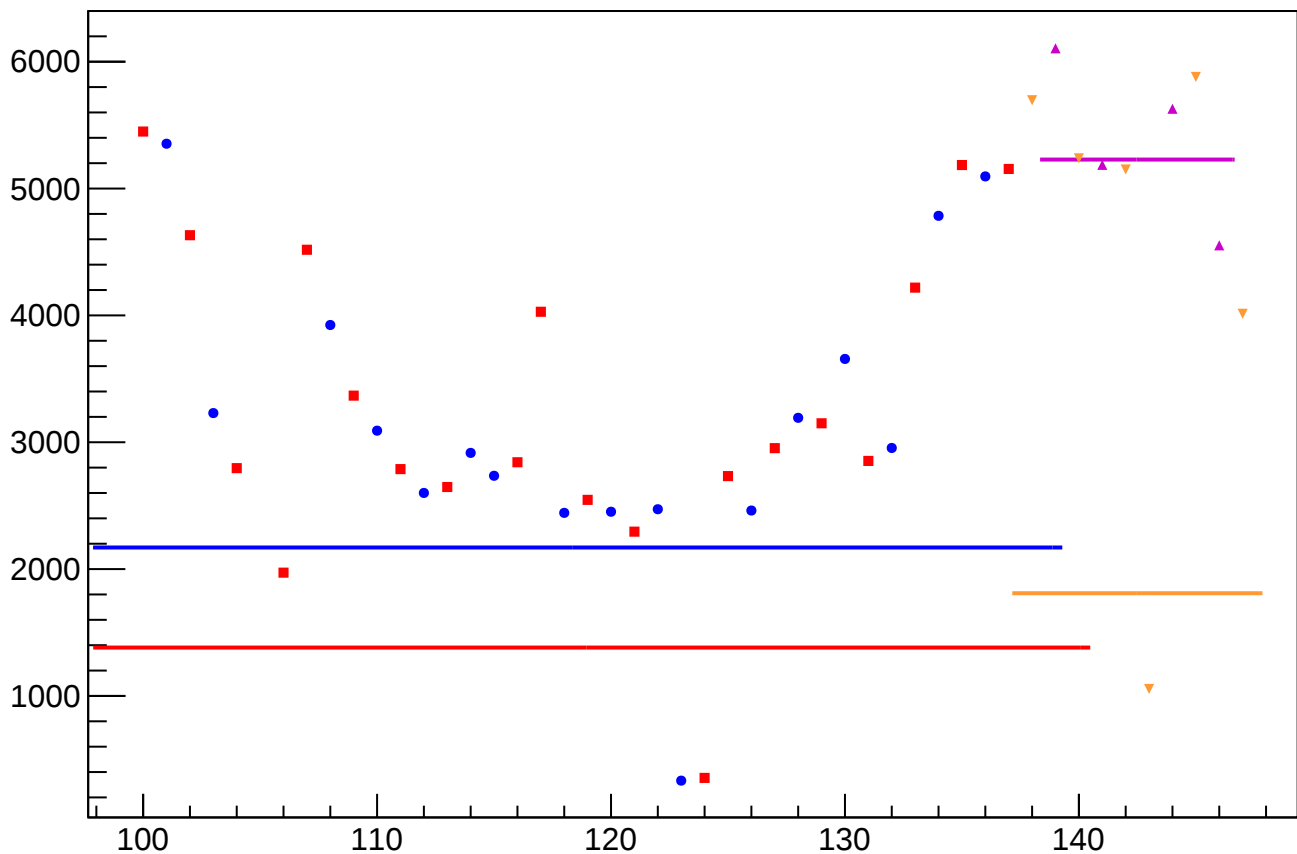
Left In: 639.813+/-2929.778 χ^2/NDF : 1.3/3

-723.305+/-767.156 χ^2/NDF : 26.2/22

-162.457+/-518.467 χ^2/NDF : 51.2/46

309.079+/-703.427 χ^2/NDF : 24.0/23

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 1809.782 $\pm$ 0.836 χ^2 /NDF: 3572596.1/5

Right Out: 1381.438 $\pm$ 0.512 χ^2 /NDF: 6884822.3/19

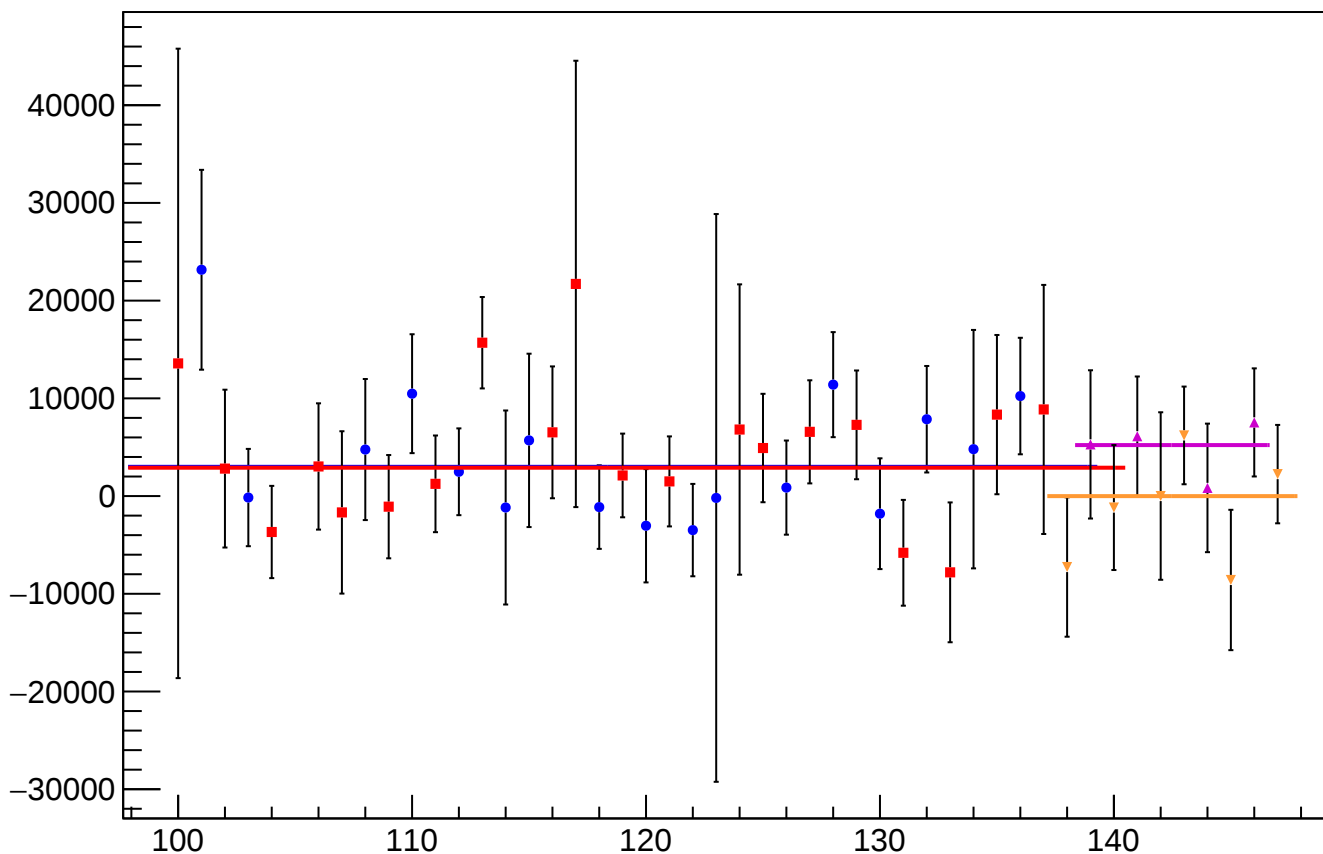
Left In: 5228.462 $\pm$ 2.072 χ^2 /NDF: 74355.2/3

2018.353 $\pm$ 0.542 χ^2 /NDF: 7653978.6/22

1792.821 $\pm$ 0.367 χ^2 /NDF: 18180897.0/4

1603.203 $\pm$ 0.497 χ^2 /NDF: 10208737.0/23

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: -6.110 $\pm$ 2526.864 χ^2 /NDF: 4.2/5

Right Out: 2901.985 $\pm$ 1376.603 χ^2 /NDF: 18.4/19

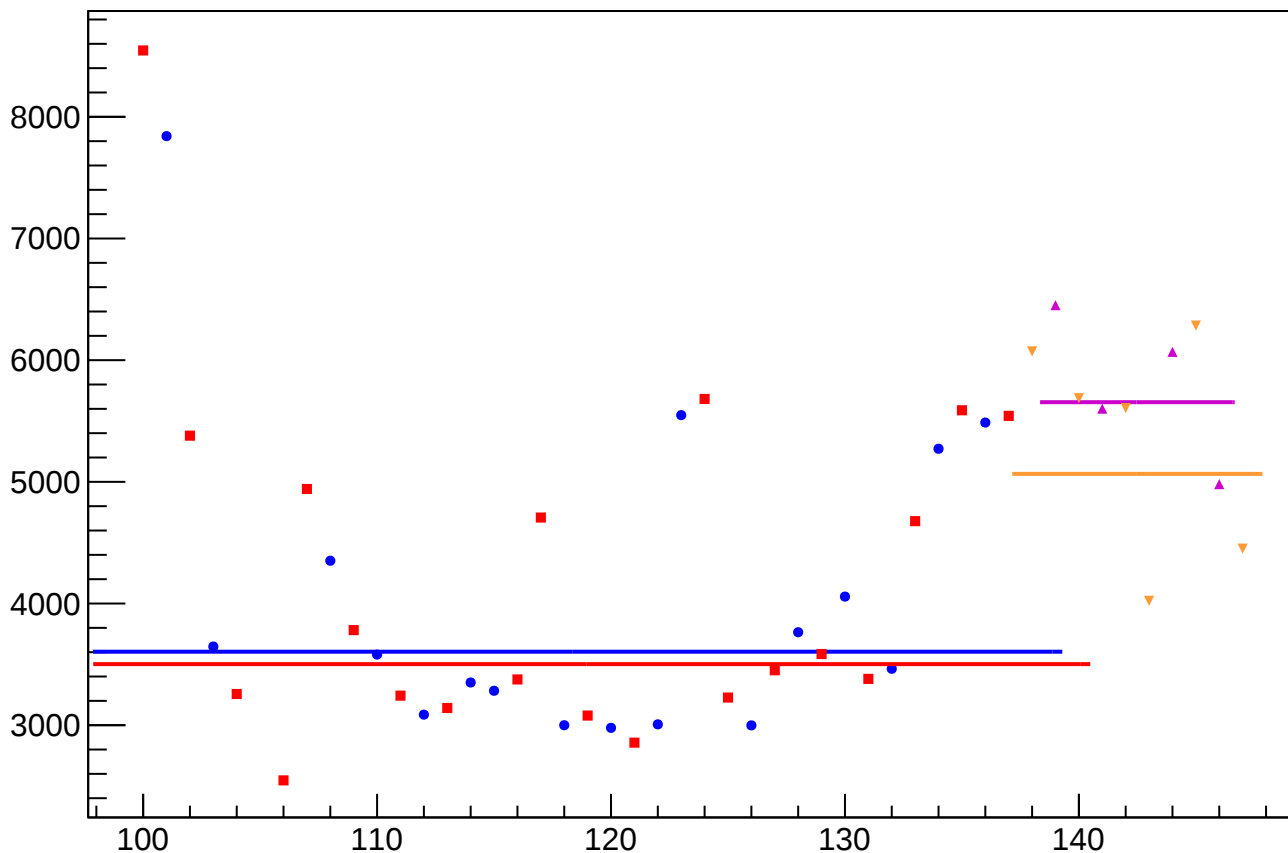
Left In: 5217.302 $\pm$ 3163.448 χ^2 /NDF: 0.6/3

2252.077 $\pm$ 1255.826 χ^2 /NDF: 21.0/22

2758.741 $\pm$ 890.272 χ^2 /NDF: 40.8/46

3270.616 $\pm$ 1262.267 χ^2 /NDF: 19.5/23

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 +/- 1.023 χ^2/NDF : 784674.5/16

Left Out: 5065.462 +/- 1.787 χ^2/NDF : 241376.7/5

Right Out: 3501.857 +/- 0.960 χ^2/NDF : 667483.1/19

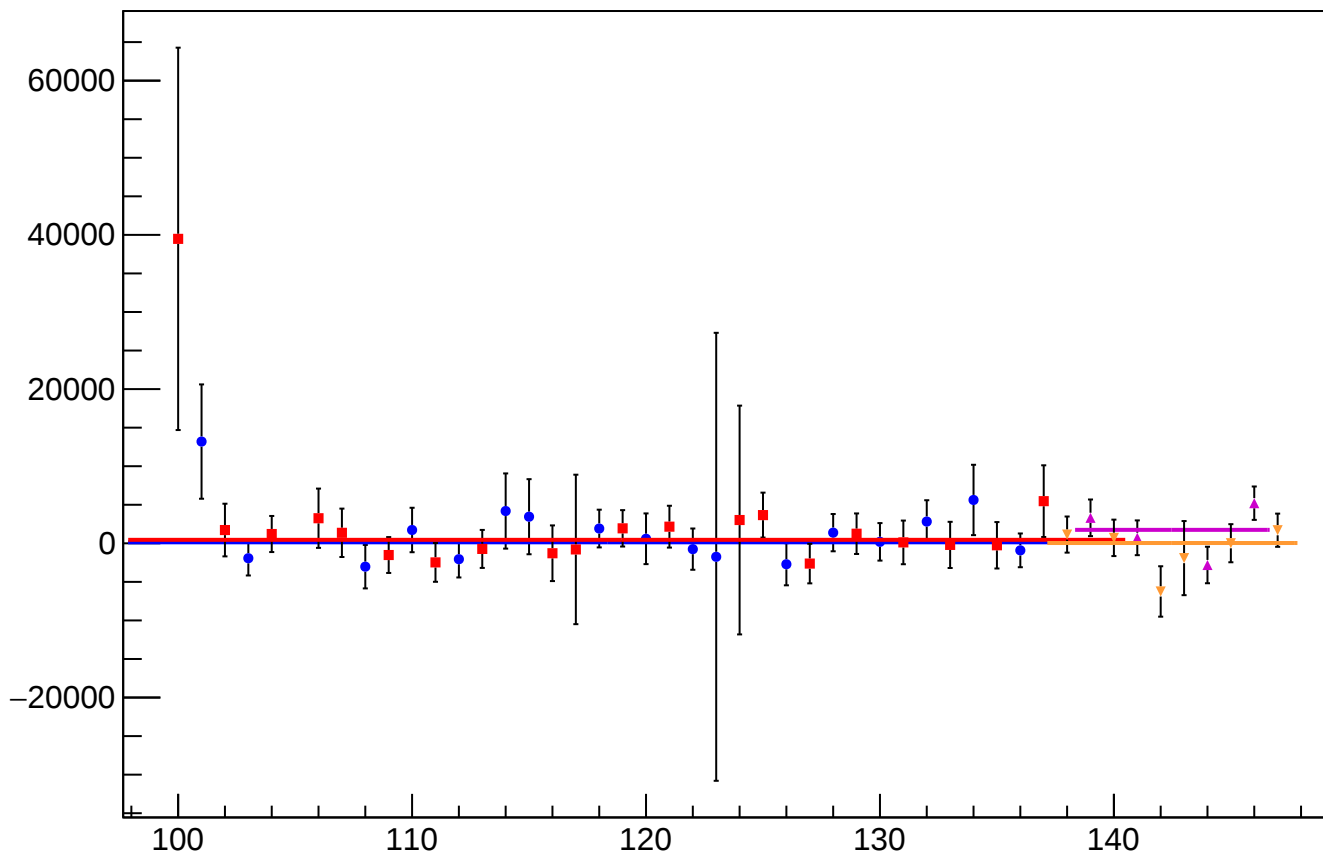
Left In: 5654.599 +/- 2.237 χ^2/NDF : 59806.2/3

3964.924 +/- 0.888 χ^2/NDF : 1529876.6/22

3900.358 +/- 0.626 χ^2/NDF : 3049808.5/46

3836.643 +/- 0.882 χ^2/NDF : 1509428.3/23

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 40.538 $\pm$ 1067.236 χ^2 /NDF: 4.8/5

Right Out: 452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

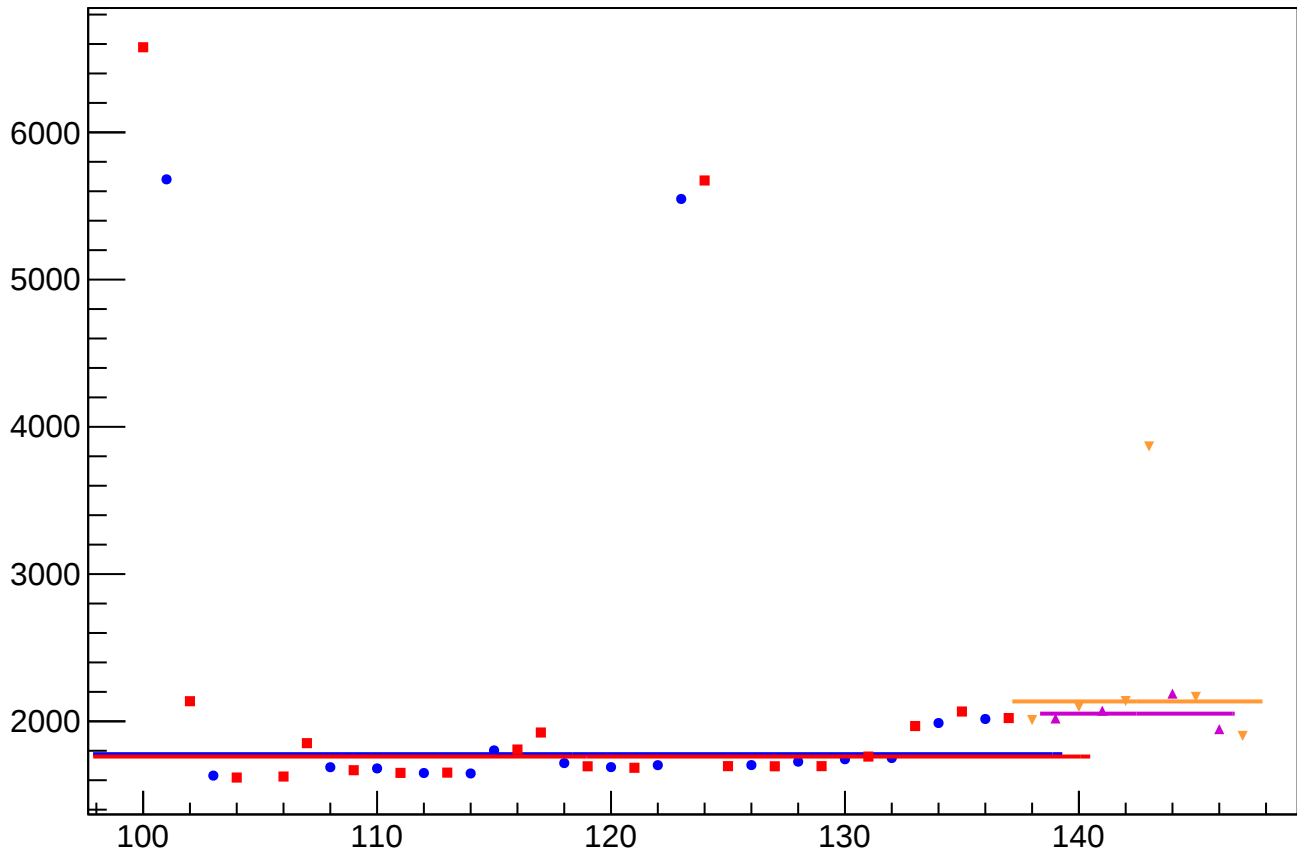
Left In: 1746.124 $\pm$ 1142.905 χ^2 /NDF: 6.9/3

103.229 $\pm$ 590.678 χ^2 /NDF: 16.9/22

450.790 $\pm$ 415.467 χ^2 /NDF: 36.2/46

791.104 $\pm$ 584.488 χ^2 /NDF: 18.6/23

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2135.067+/-0.755 χ^2/NDF : 290012.5/5

Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

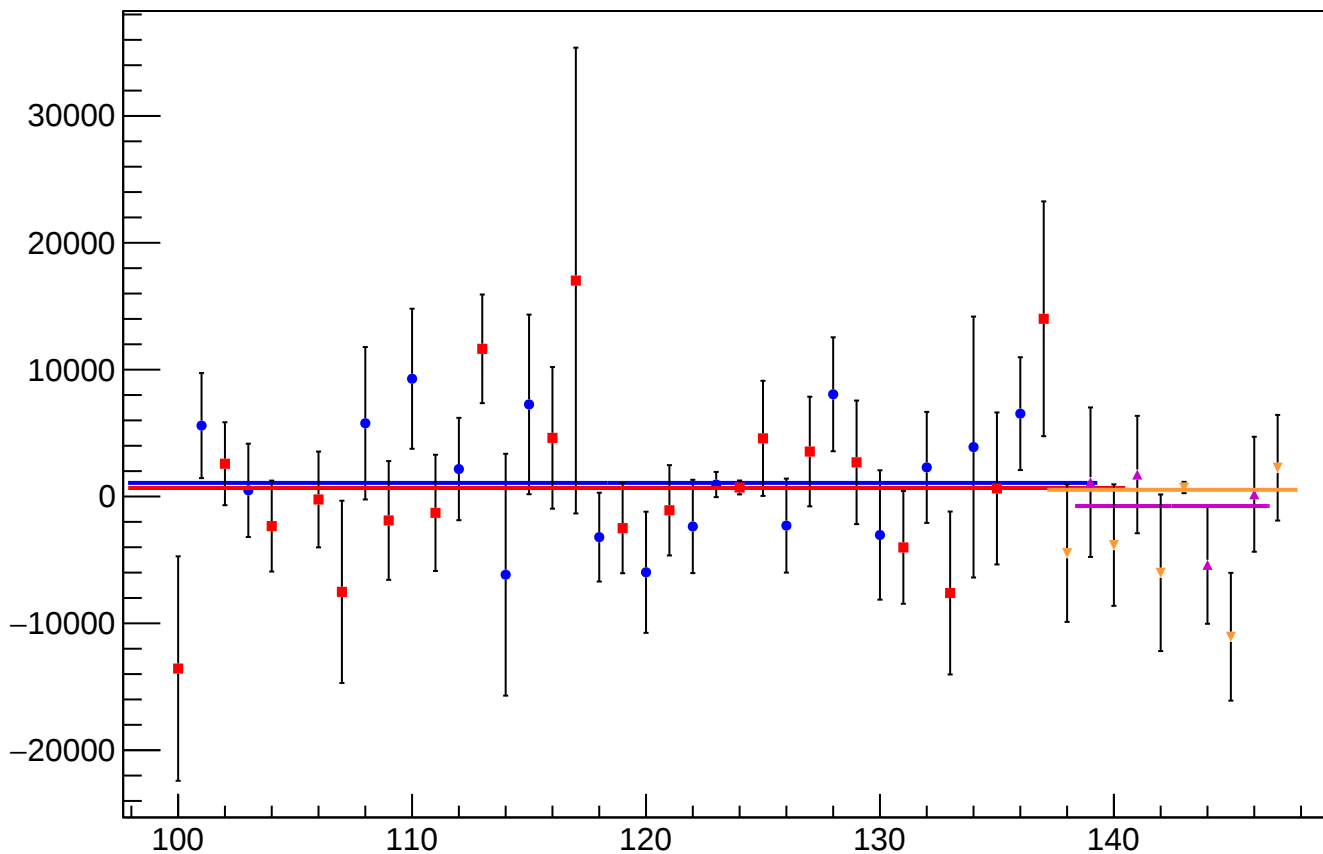
Left In: 2052.150+/-0.808 χ^2/NDF : 11869.2/3

1886.600+/-0.418 χ^2/NDF : 1089863.7/22

1861.022+/-0.293 χ^2/NDF : 1512169.4/46

1836.227+/-0.411 χ^2/NDF : 414919.8/23

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 529.603+/-438.963 χ^2/NDF : 8.4/5

Right Out: 670.313+/-487.861 χ^2/NDF : 20.6/19

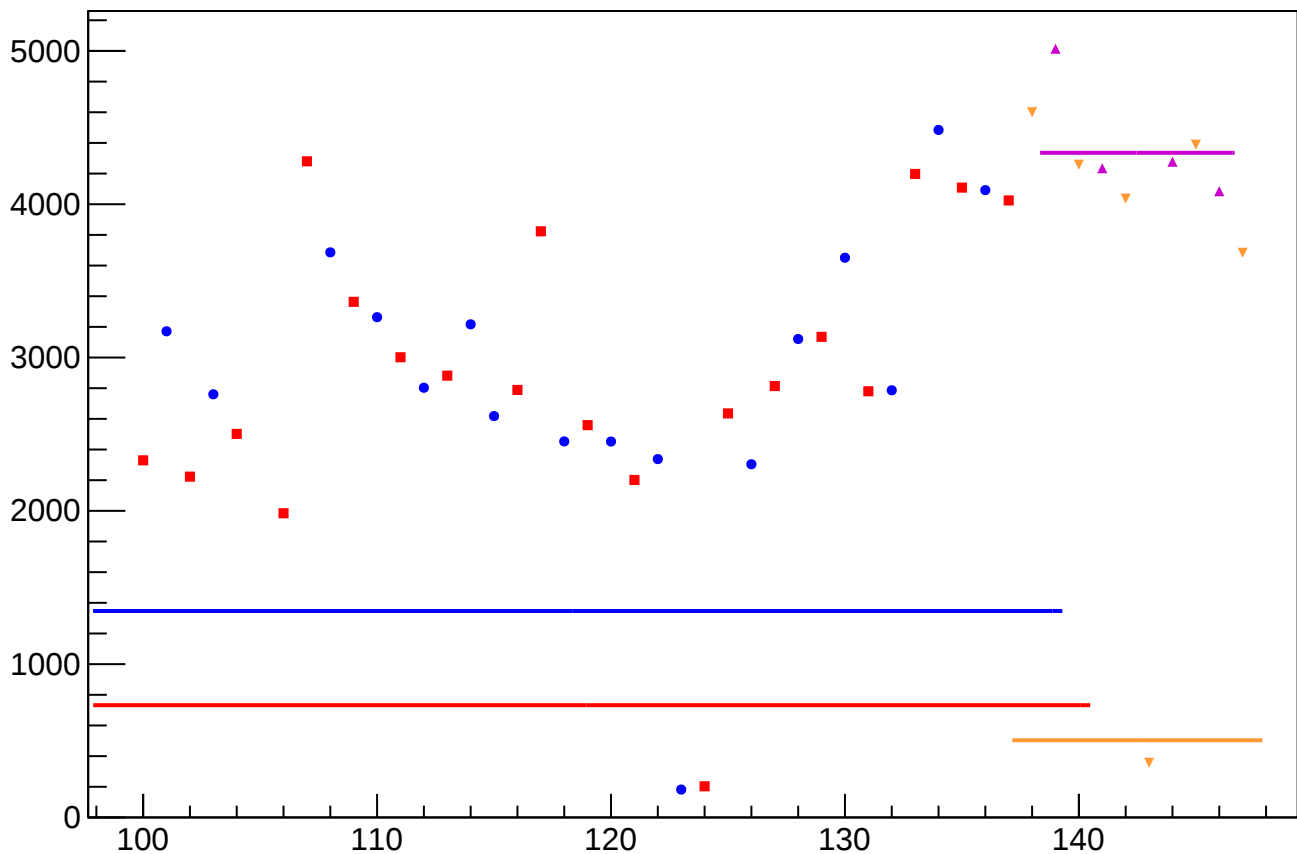
Left In: -749.974+/-2421.559 χ^2/NDF : 1.4/3

667.422+/-379.138 χ^2/NDF : 24.4/22

647.158+/-297.104 χ^2/NDF : 46.7/46

614.914+/-478.252 χ^2/NDF : 22.3/23

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2/NDF : 6839112.6/16

Left Out: 503.487 $\pm$ 0.310 χ^2/NDF : 5599754.2/5

Right Out: 732.303 $\pm$ 0.345 χ^2/NDF : 9559853.6/19

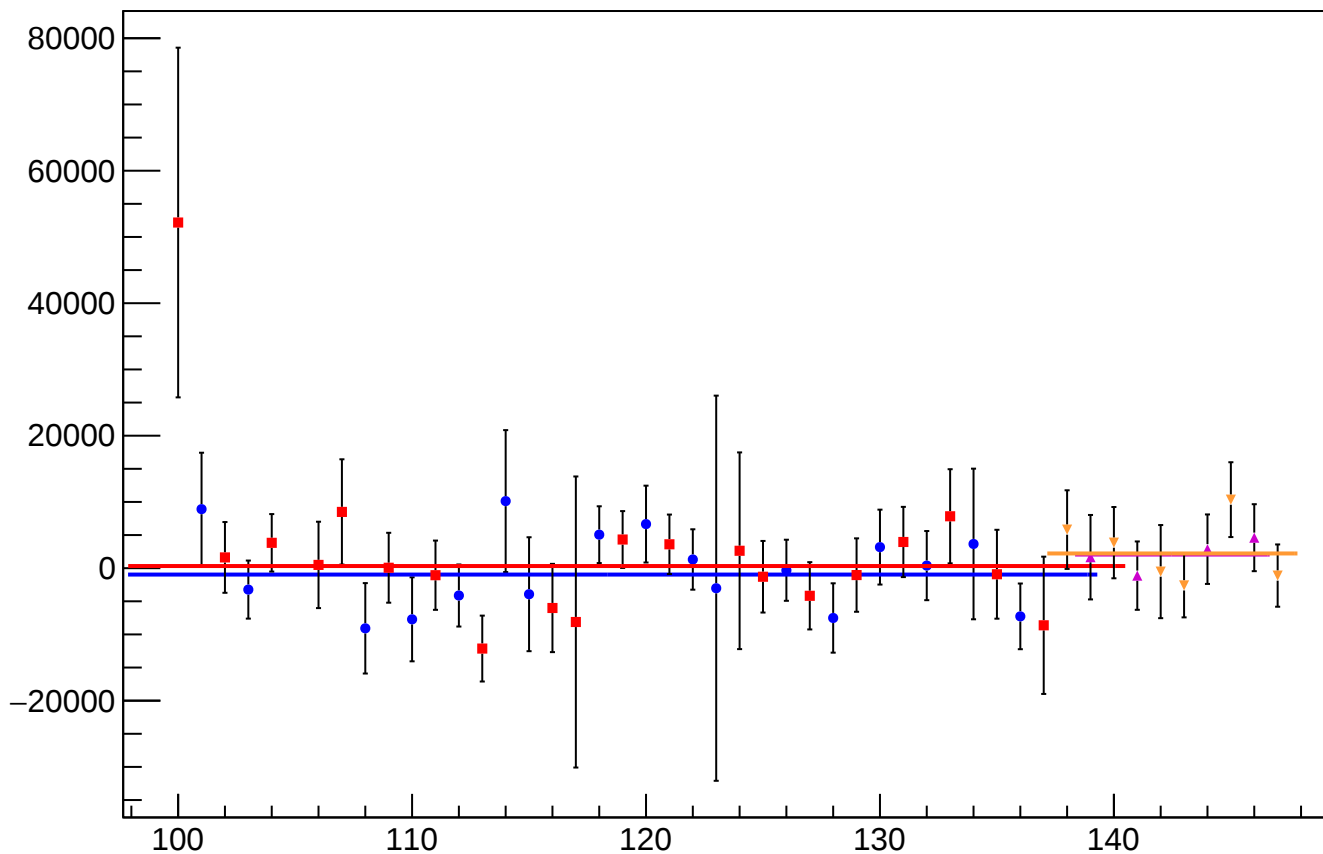
Left In: 4335.358 $\pm$ 1.712 χ^2/NDF : 33891.4/3

717.698 $\pm$ 0.268 χ^2/NDF : 14313968.1/22

777.572 $\pm$ 0.210 χ^2/NDF : 28291987.4/46

872.842 $\pm$ 0.338 χ^2/NDF : 13848776.2/23

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 2221.190+/-2221.517 χ^2/NDF : 4.2/5

Right Out: 323.694+/-1327.331 χ^2/NDF : 17.8/19

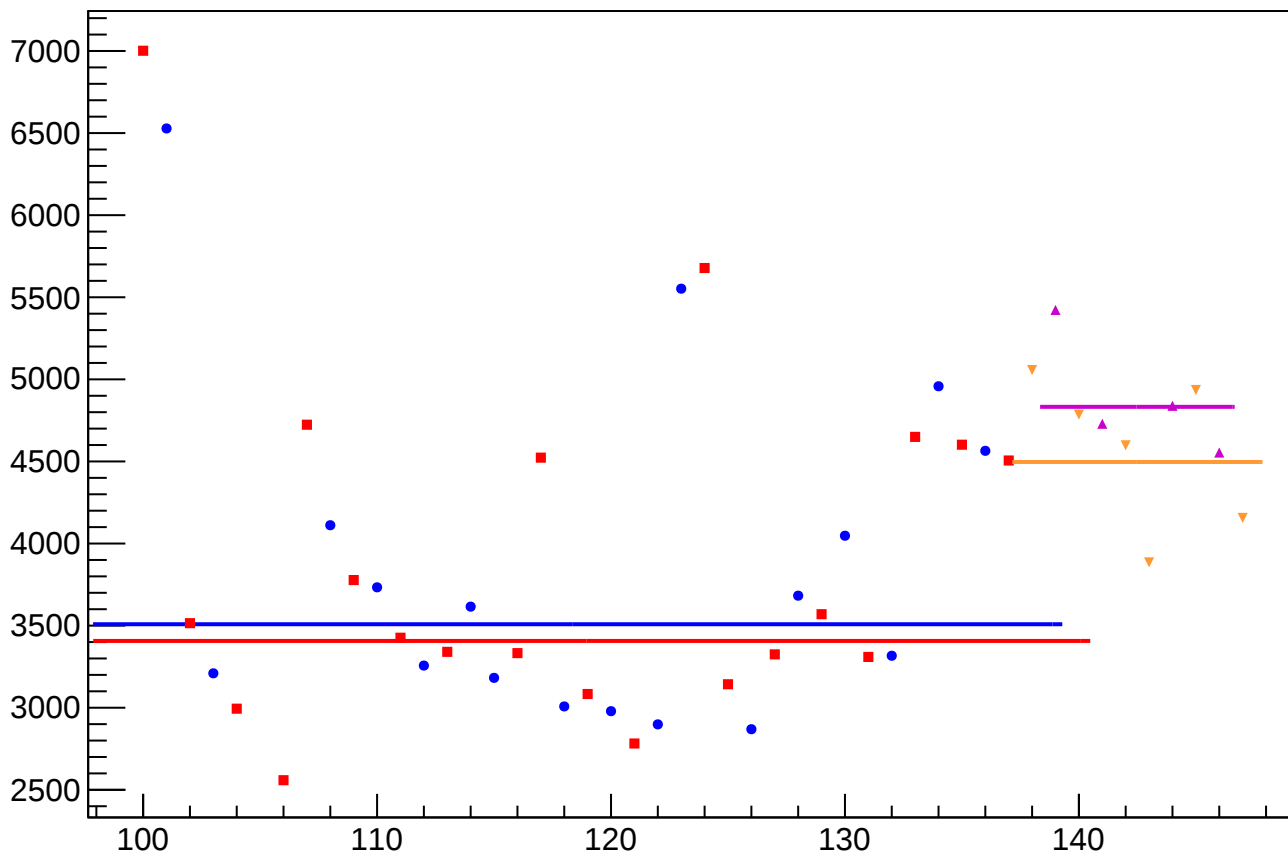
Left In: 2055.506+/-2695.333 χ^2/NDF : 0.7/3

-62.742+/-1181.769 χ^2/NDF : 19.4/22

296.733+/-838.802 χ^2/NDF : 38.3/46

661.707+/-1190.773 χ^2/NDF : 18.8/23

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2 /NDF: 562197.7/16

Left Out: 4496.874 $\pm$ 1.571 χ^2 /NDF: 78600.7/5

Right Out: 3406.868 $\pm$ 0.926 χ^2 /NDF: 433737.9/19

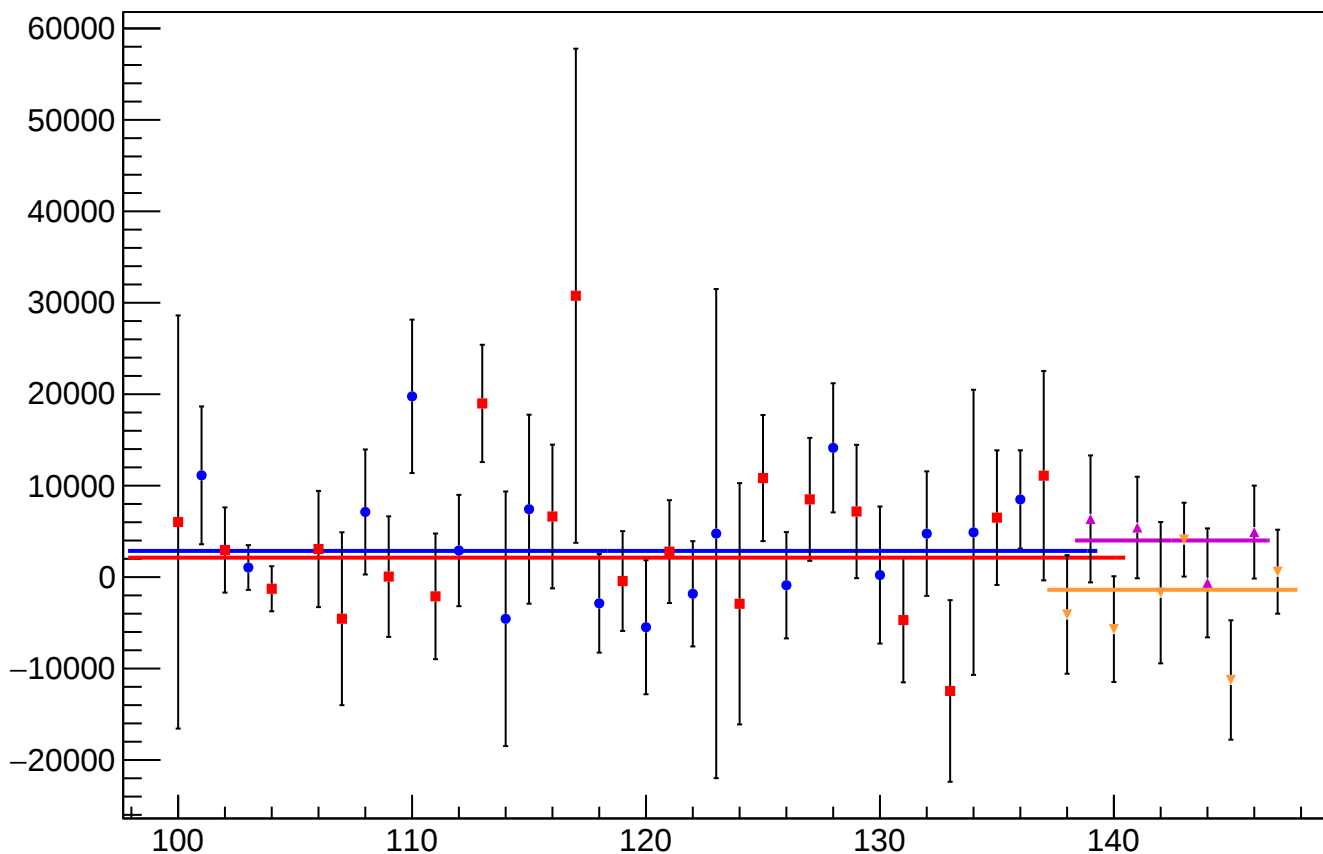
Left In: 4832.612 $\pm$ 1.906 χ^2 /NDF: 24020.1/3

3788.182 $\pm$ 0.836 χ^2 /NDF: 924666.5/22

3733.622 $\pm$ 0.590 χ^2 /NDF: 1843579.6/46

3679.374 $\pm$ 0.833 χ^2 /NDF: 910411.4/23

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: -1385.418 $\pm$ 2221.415 χ^2 /NDF: 5.0/5

Right Out: 2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

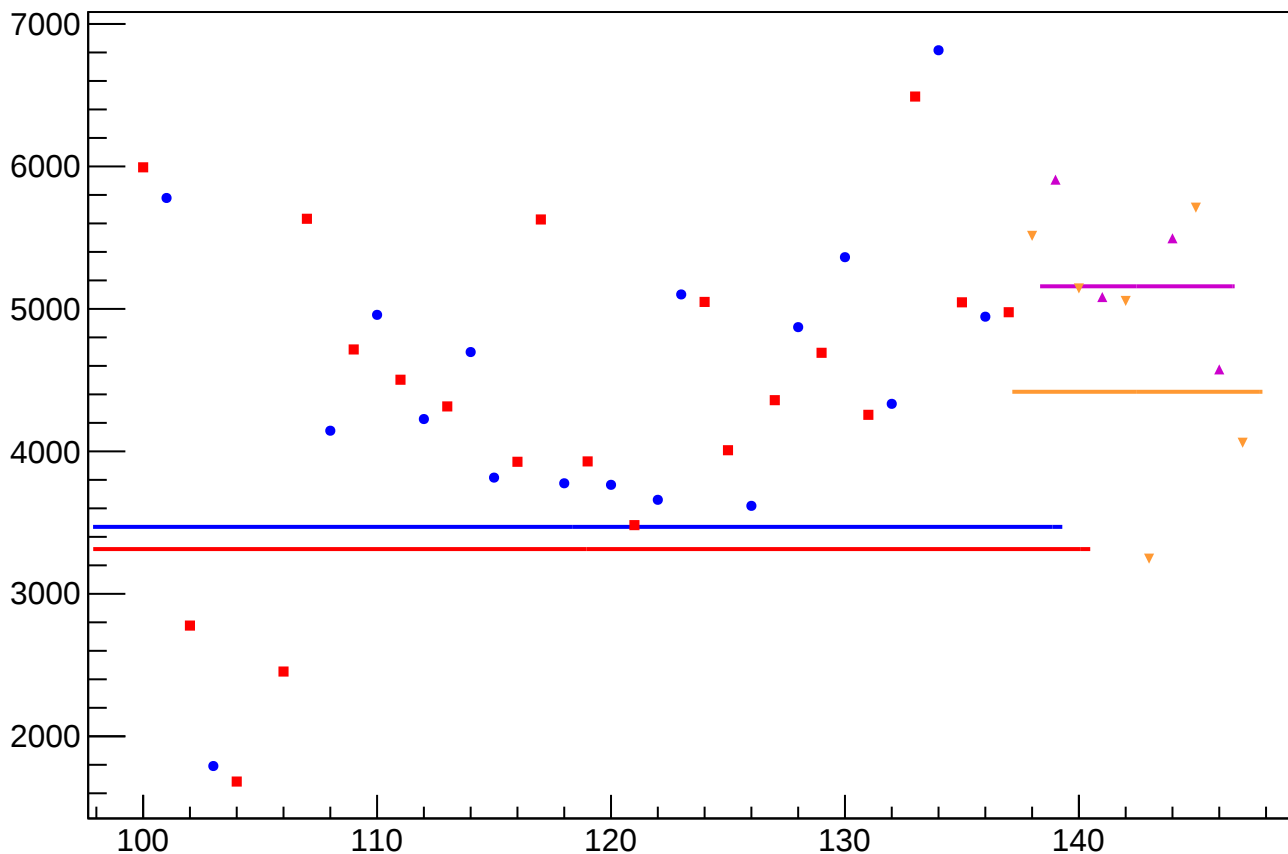
Left In: 4005.373 $\pm$ 2886.006 χ^2 /NDF: 0.8/3

1591.678 $\pm$ 1215.782 χ^2 /NDF: 21.7/22

2023.274 $\pm$ 869.774 χ^2 /NDF: 41.9/46

2475.736 $\pm$ 1244.823 χ^2 /NDF: 20.0/23

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4418.310+/-1.571 χ^2/NDF : 360784.1/5

Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

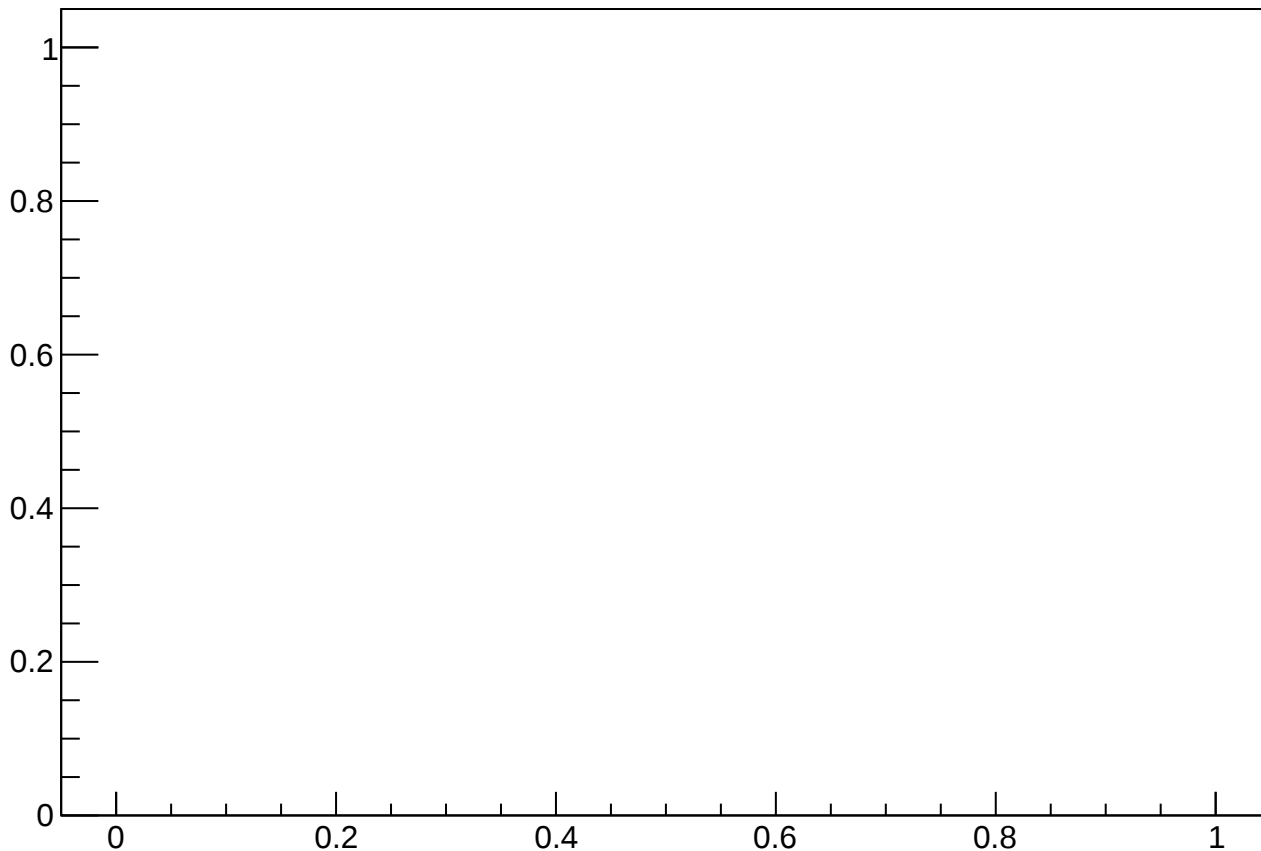
Left In: 5158.628+/-2.041 χ^2/NDF : 56349.8/3

3754.075+/-0.860 χ^2/NDF : 2376928.8/22

3703.985+/-0.613 χ^2/NDF : 5032832.9/46

3652.251+/-0.874 χ^2/NDF : 2649002.8/23

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

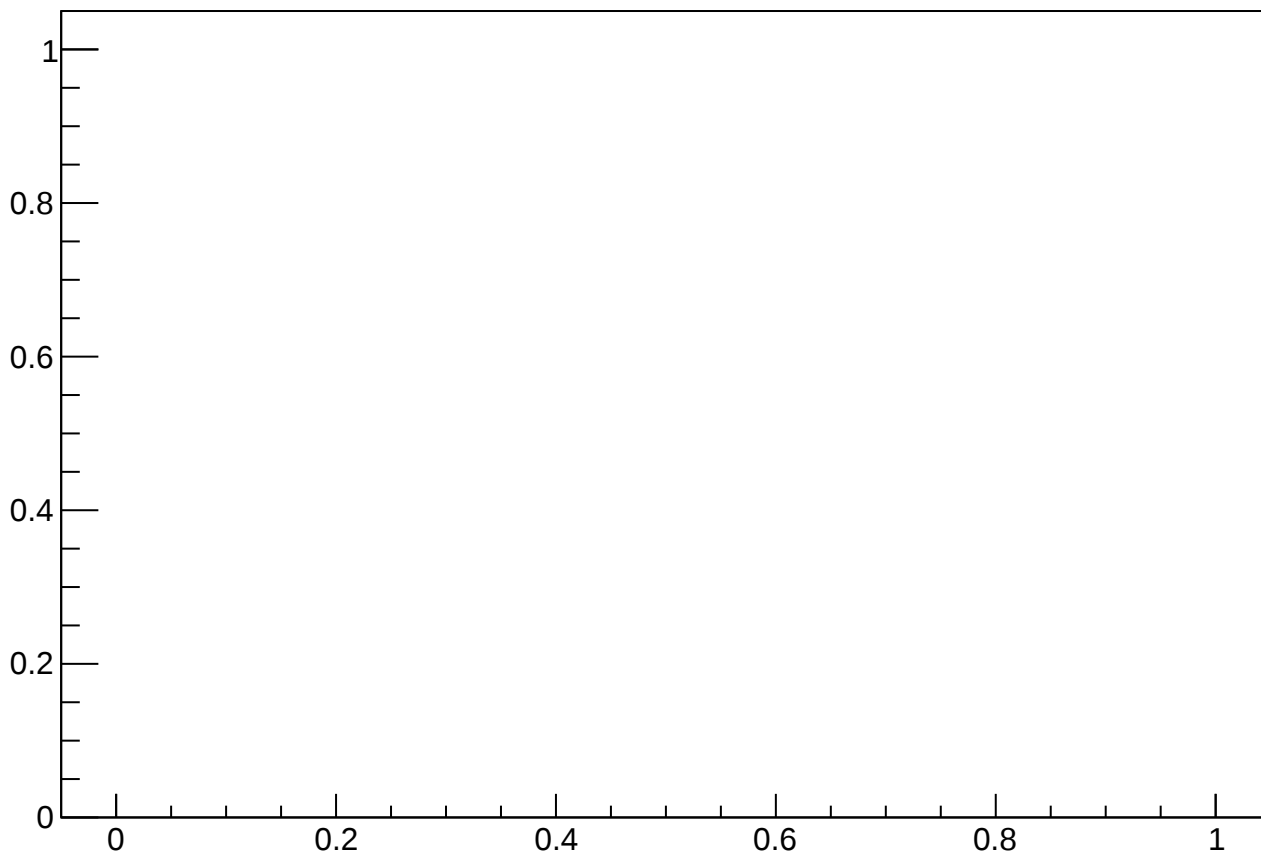
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

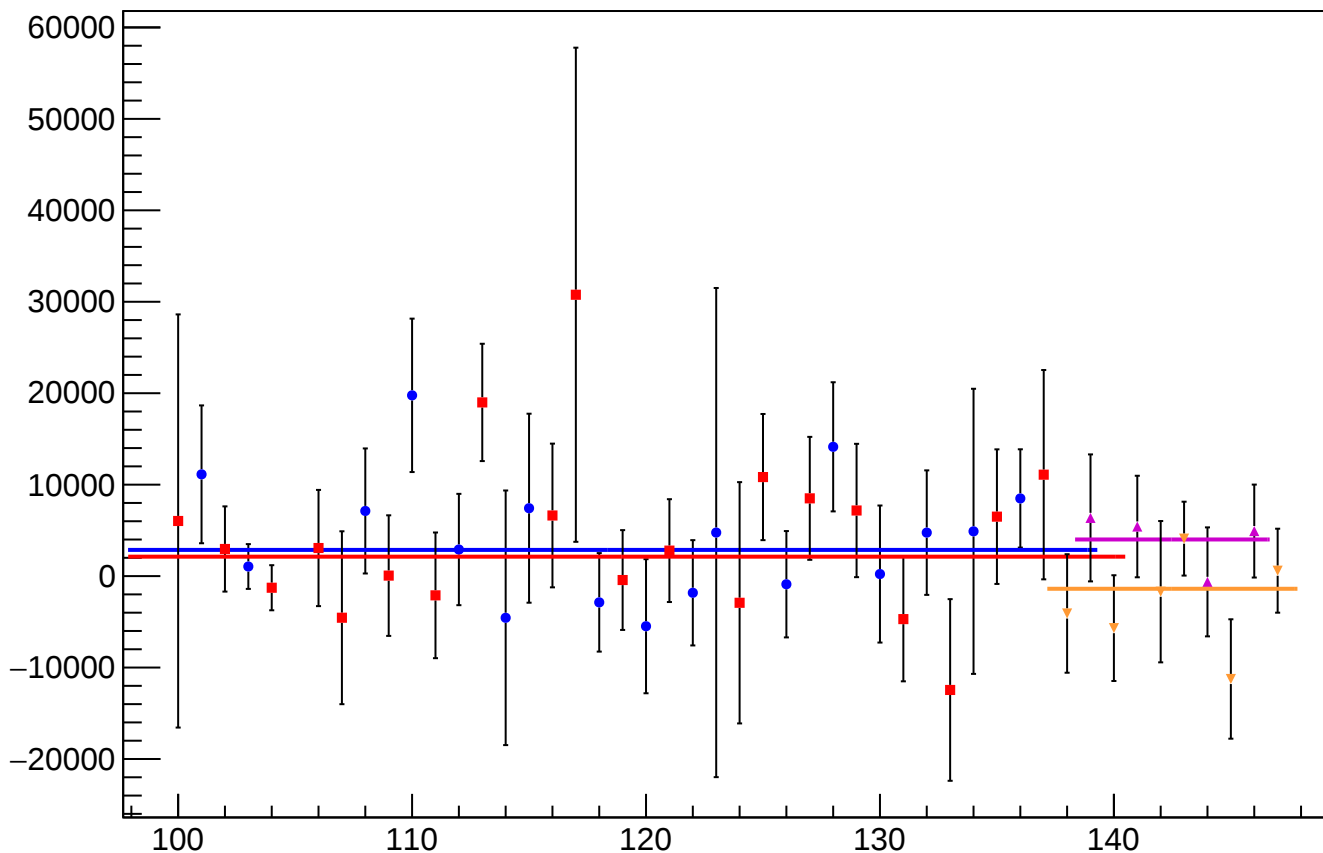
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: -1385.418 $\pm$ 2221.415 χ^2 /NDF: 5.0/5

Right Out: 2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

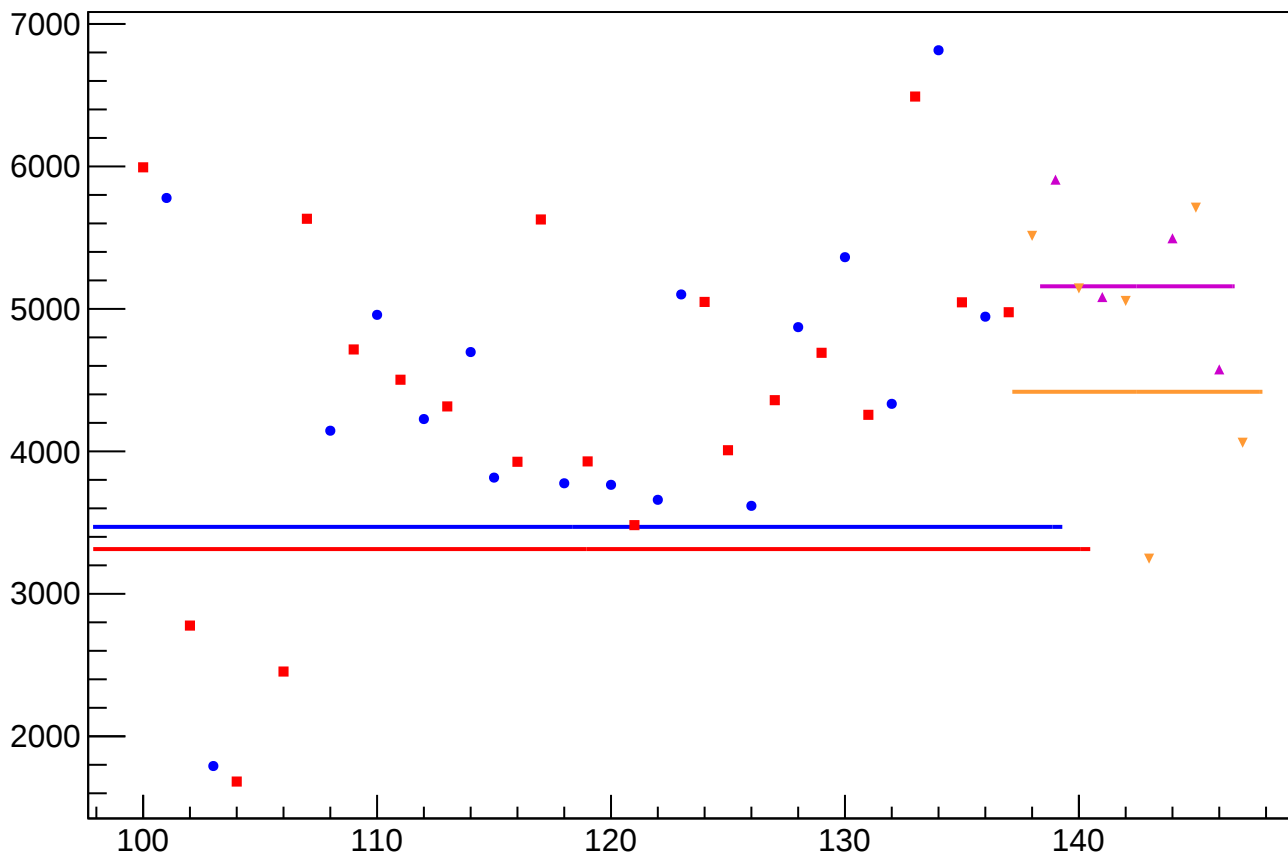
Left In: 4005.373 $\pm$ 2886.006 χ^2 /NDF: 0.8/3

1591.678 $\pm$ 1215.782 χ^2 /NDF: 21.7/22

2023.274 $\pm$ 869.774 χ^2 /NDF: 41.9/46

2475.736 $\pm$ 1244.823 χ^2 /NDF: 20.0/23

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 +/- 1.027 χ^2/NDF : 1760860.6/16

Left Out: 4418.310 +/- 1.571 χ^2/NDF : 360784.1/5

Right Out: 3314.183 +/- 0.967 χ^2/NDF : 1925484.9/19

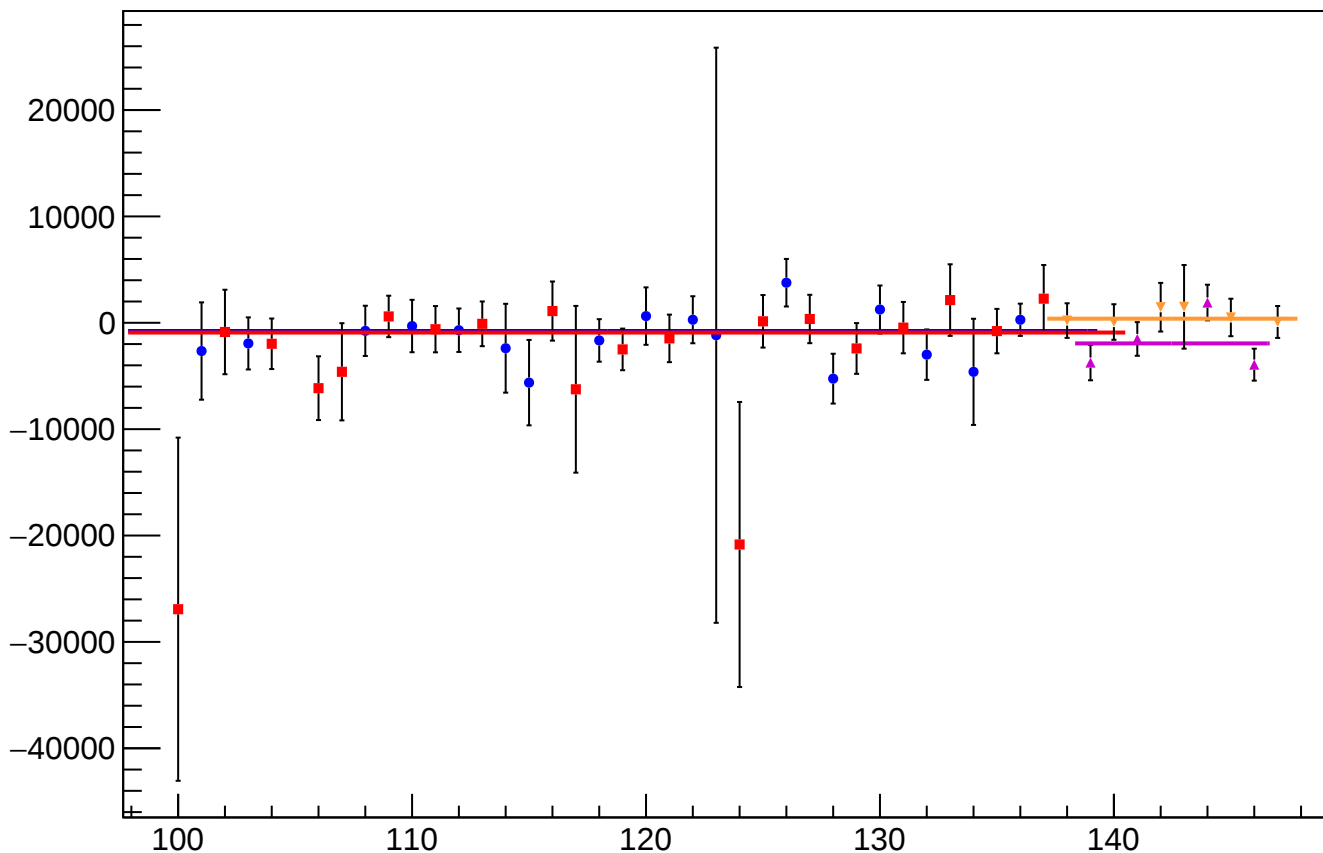
Left In: 5158.628 +/- 2.041 χ^2/NDF : 56349.8/3

3754.075 +/- 0.860 χ^2/NDF : 2376928.8/22

3703.985 +/- 0.613 χ^2/NDF : 5032832.9/46

3652.251 +/- 0.874 χ^2/NDF : 2649002.8/23

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2 /NDF: 13.3/16

Left Out: 385.932+/-754.074 χ^2 /NDF:0.4/5

Right Out: -915.893+/-593.346 χ^2 /NDF: 14.0/19

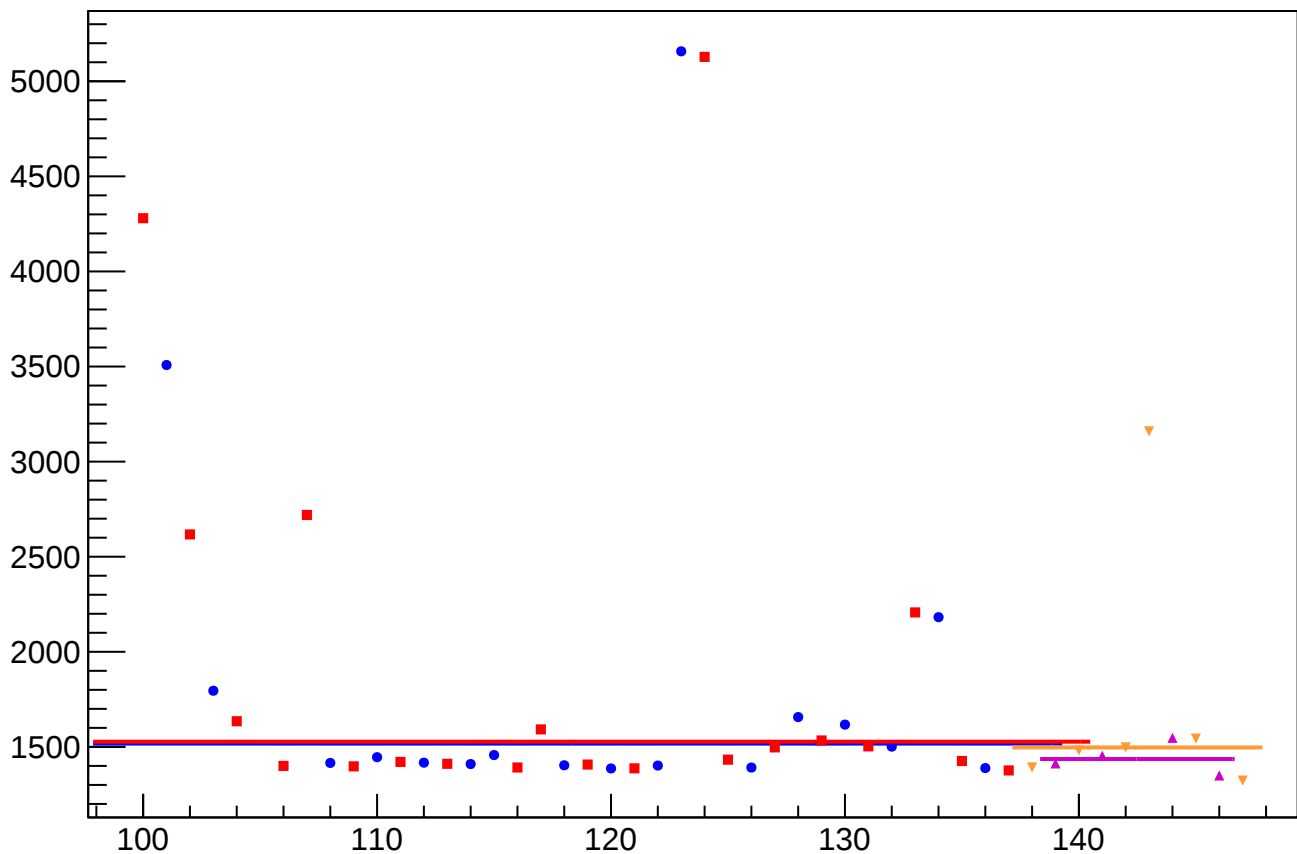
Left In: -1938.537+/-800.492 χ^2 /NDF:8.3/3

-319.215+/-471.271 χ^2 /NDF: 15.1/22

-793.397+/-335.134 χ^2 /NDF: 40.4/46

-1278.518+/-476.676 χ^2 /NDF: 23.3/23

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1497.039+/-0.533 χ^2/NDF : 394500.0/5

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

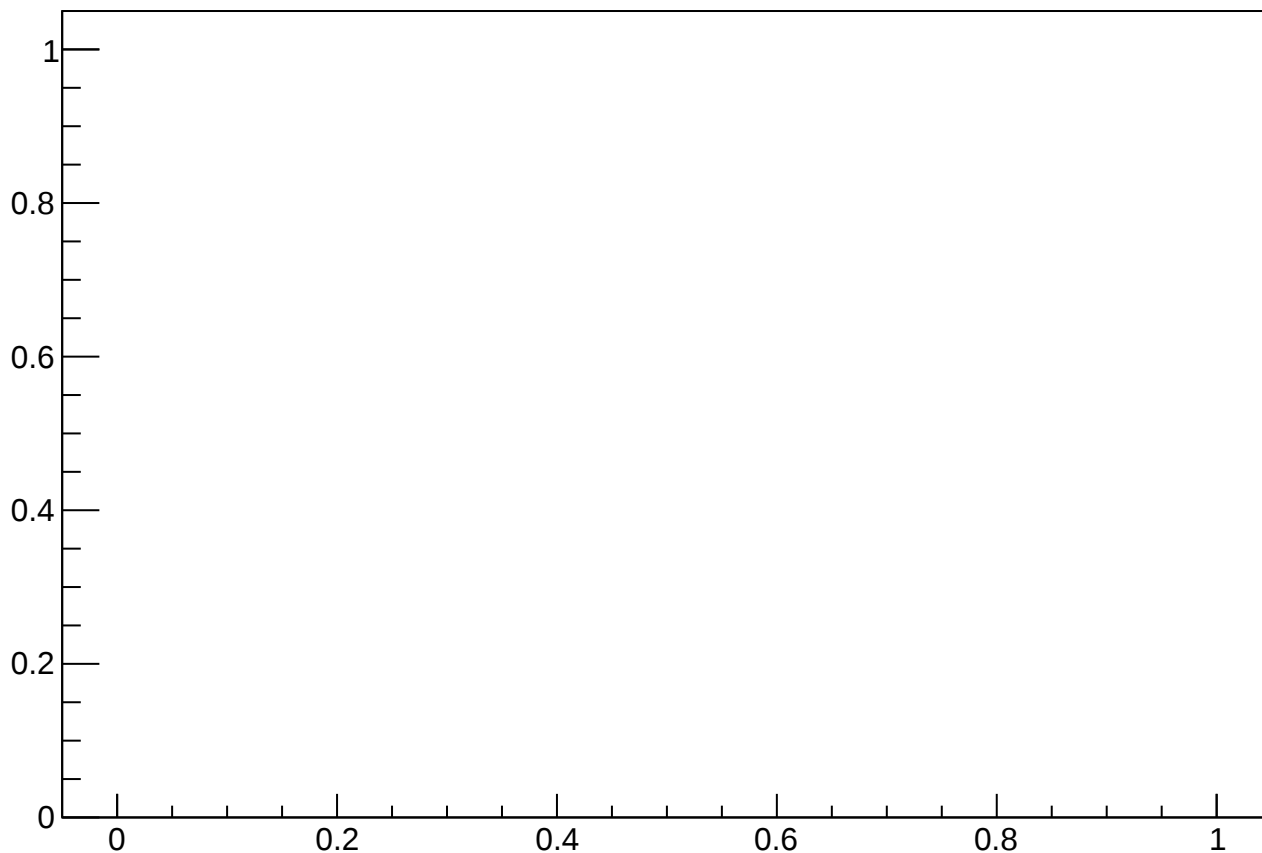
Left In: 1436.206+/-0.566 χ^2/NDF : 16100.5/3

1509.407+/-0.333 χ^2/NDF : 932045.6/22

1502.310+/-0.237 χ^2/NDF : 1597629.0/46

1495.049+/-0.337 χ^2/NDF : 664665.8/23

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

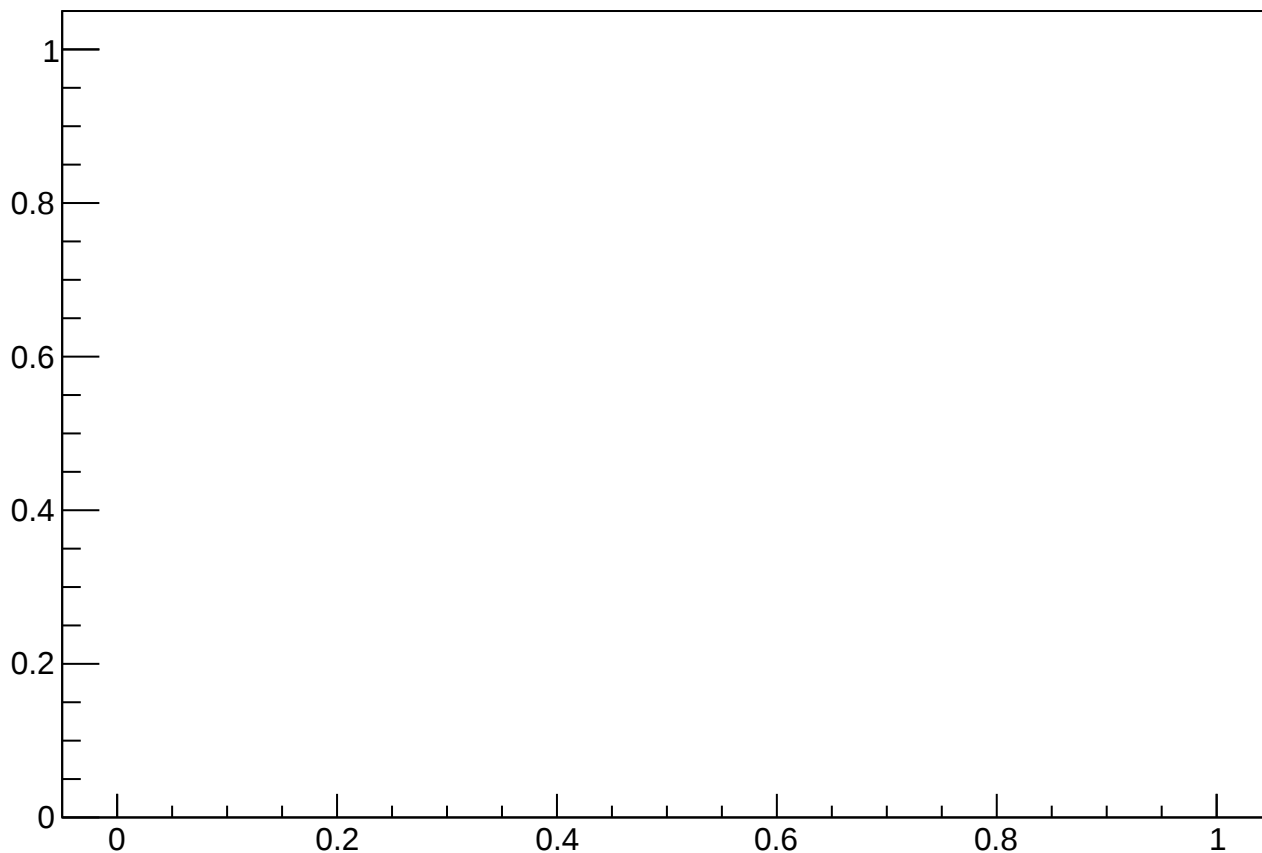
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

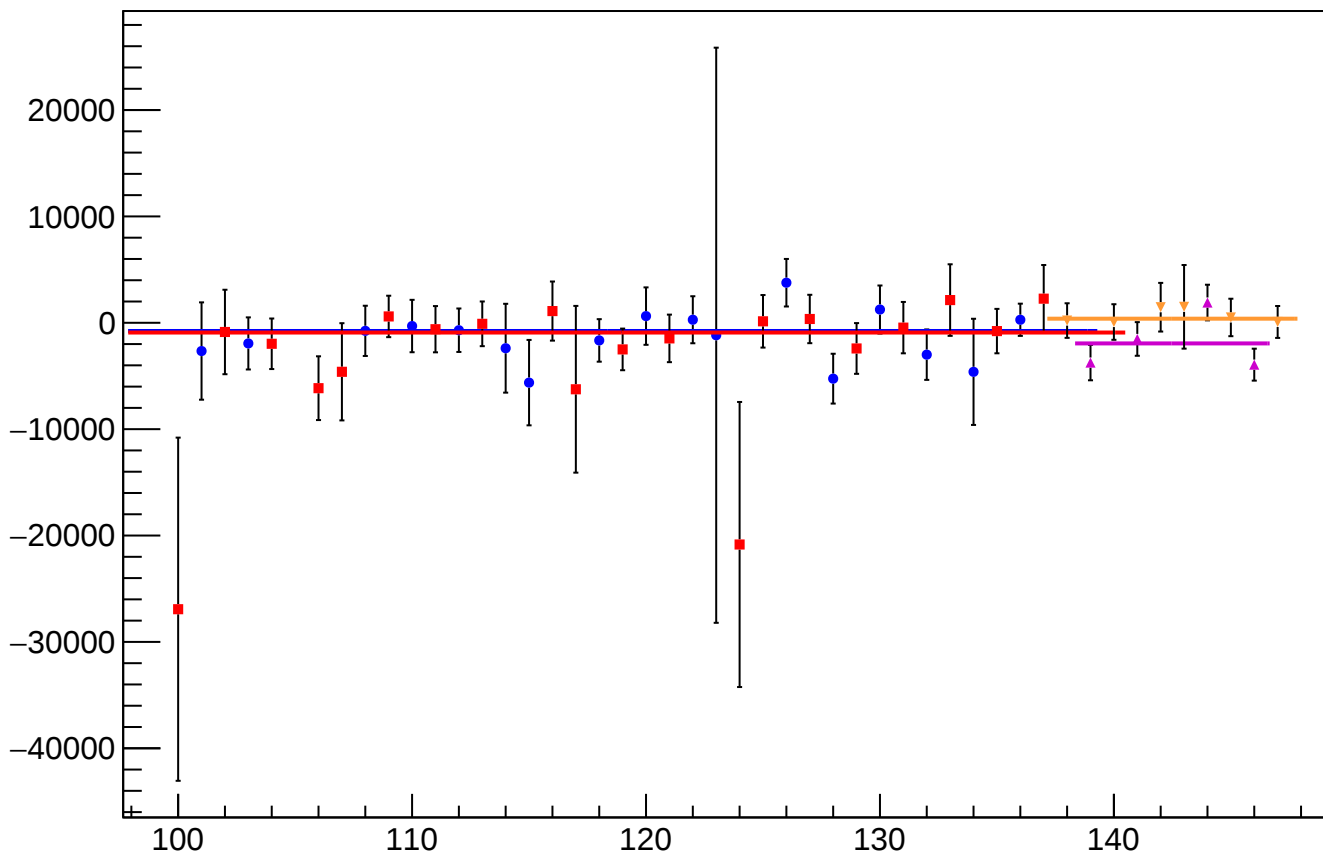
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 385.932+/-754.074 χ^2/NDF : 0.4/5

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

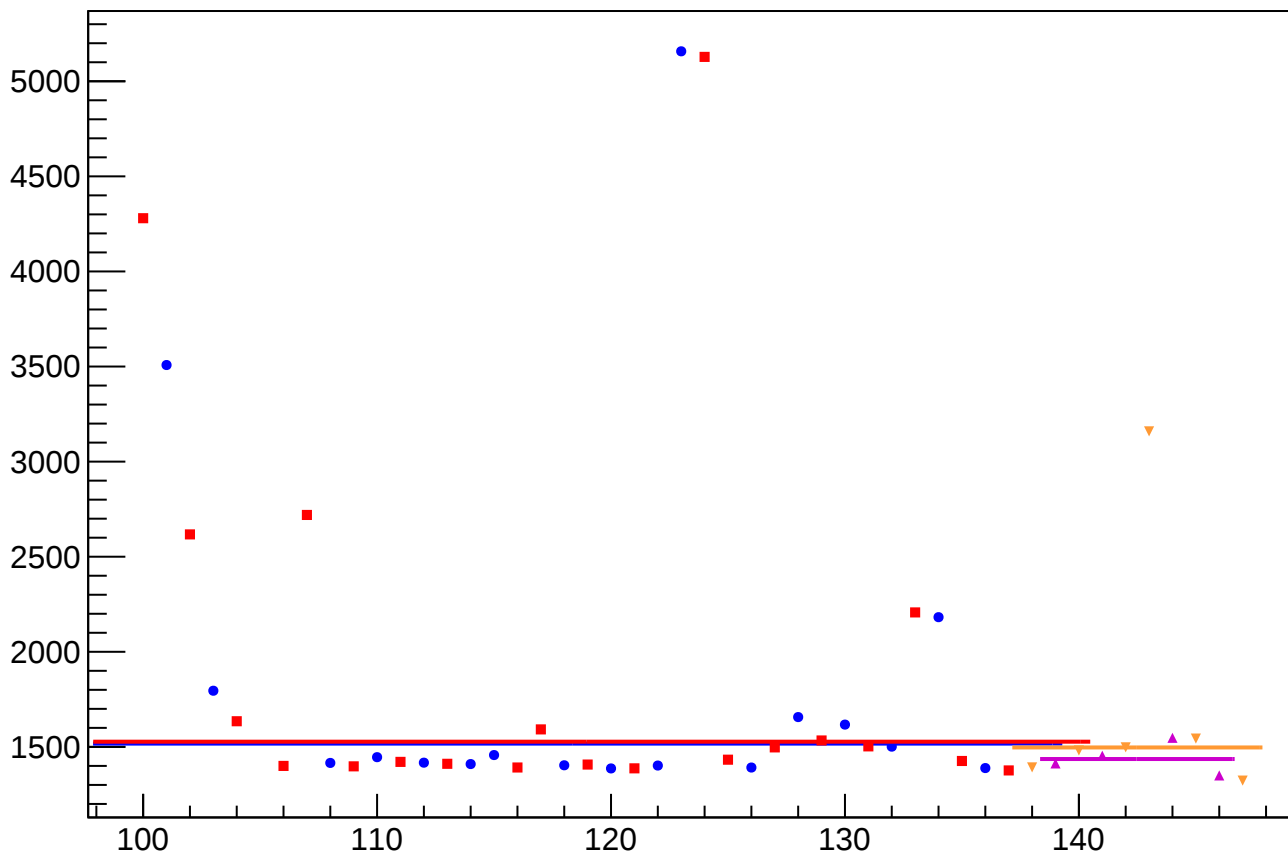
Left In: -1938.537+/-800.492 χ^2/NDF : 8.3/3

-319.215+/-471.271 χ^2/NDF : 15.1/22

-793.397+/-335.134 χ^2/NDF : 40.4/46

-1278.518+/-476.676 χ^2/NDF : 23.3/23

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1497.039+/-0.533 χ^2/NDF : 394500.0/5

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

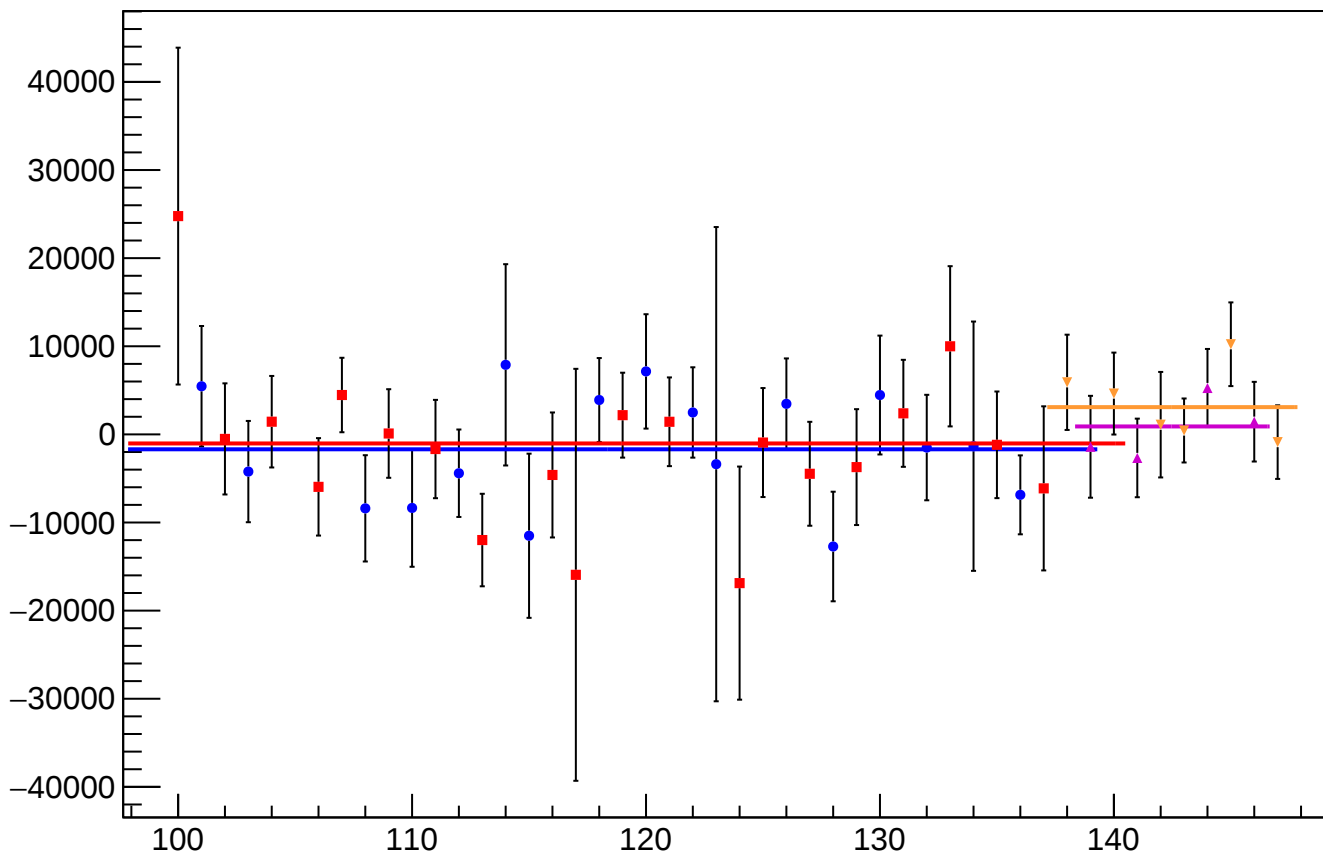
Left In: 1436.206+/-0.566 χ^2/NDF : 16100.5/3

1509.407+/-0.333 χ^2/NDF : 932045.6/22

1502.310+/-0.237 χ^2/NDF : 1597629.0/46

1495.049+/-0.337 χ^2/NDF : 664665.8/23

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 3092.210 $\pm$ 1870.159 χ^2 /NDF: 4.2/5

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

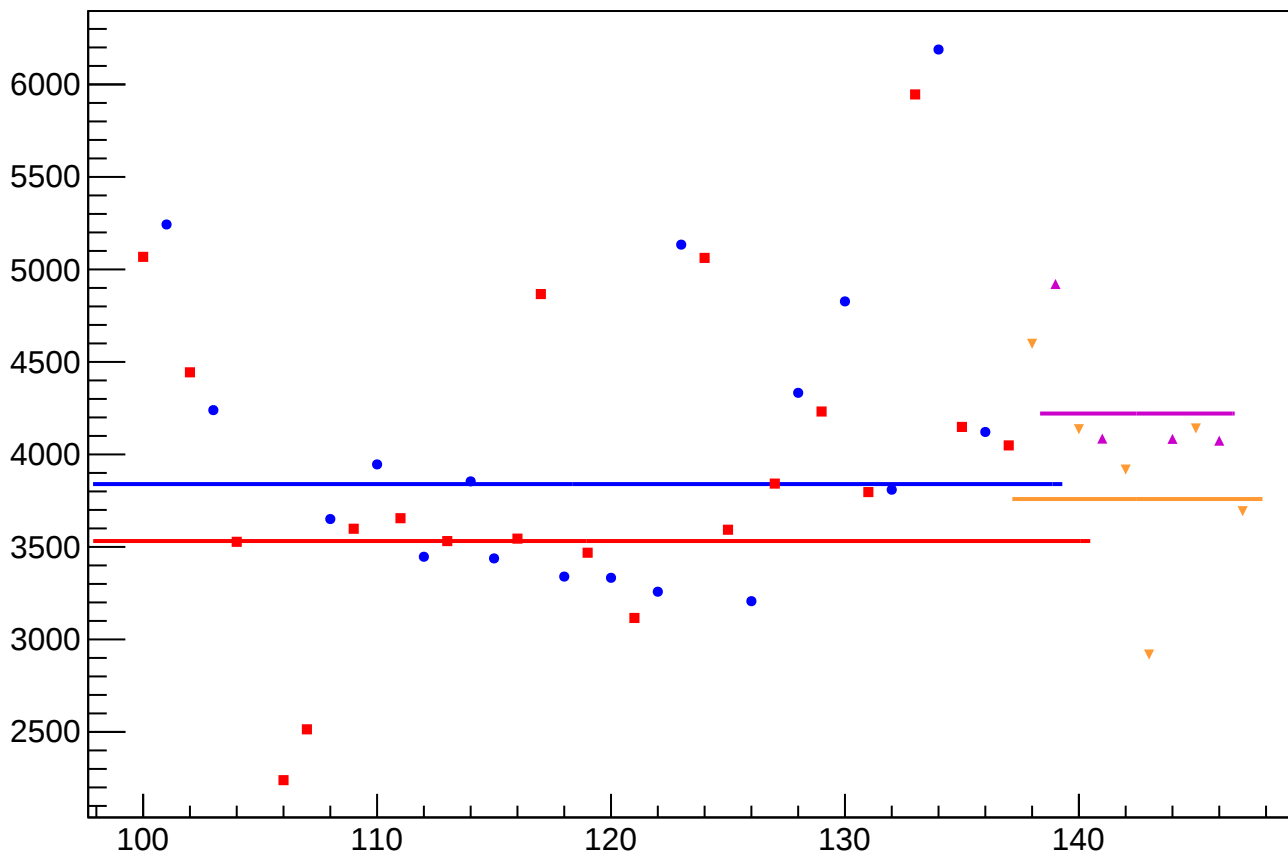
Left In: 901.089 $\pm$ 2356.515 χ^2 /NDF: 1.8/3

200.142 $\pm$ 1176.230 χ^2 /NDF: 24.0/22

-165.358 $\pm$ 836.049 χ^2 /NDF: 40.8/46

-538.568 $\pm$ 1188.570 χ^2 /NDF: 16.6/23

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3758.957+/-1.322 χ^2/NDF : 183390.0/5

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

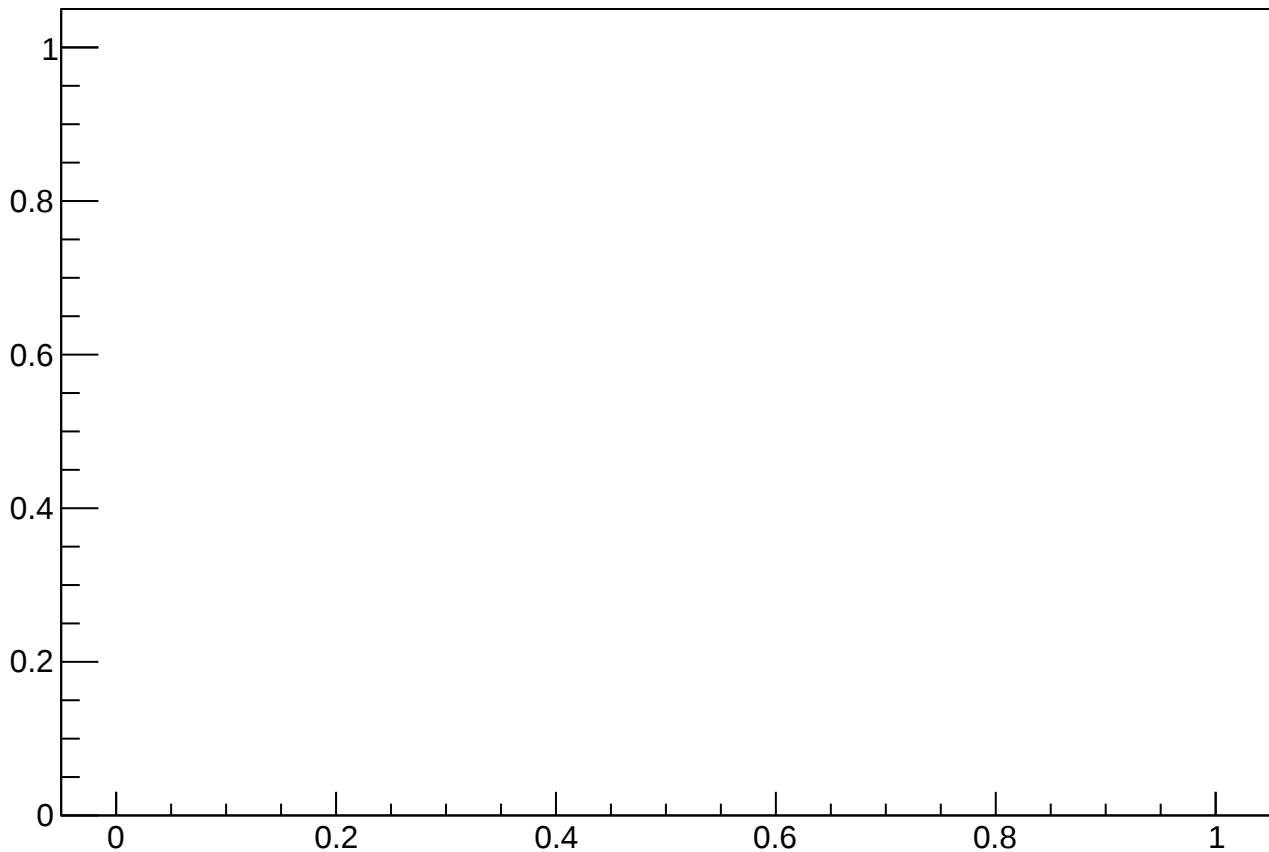
Left In: 4221.067+/-1.666 χ^2/NDF : 35209.4/3

3807.792+/-0.832 χ^2/NDF : 511605.4/22

3756.503+/-0.589 χ^2/NDF : 1243915.1/46

3704.838+/-0.835 χ^2/NDF : 724676.1/23

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

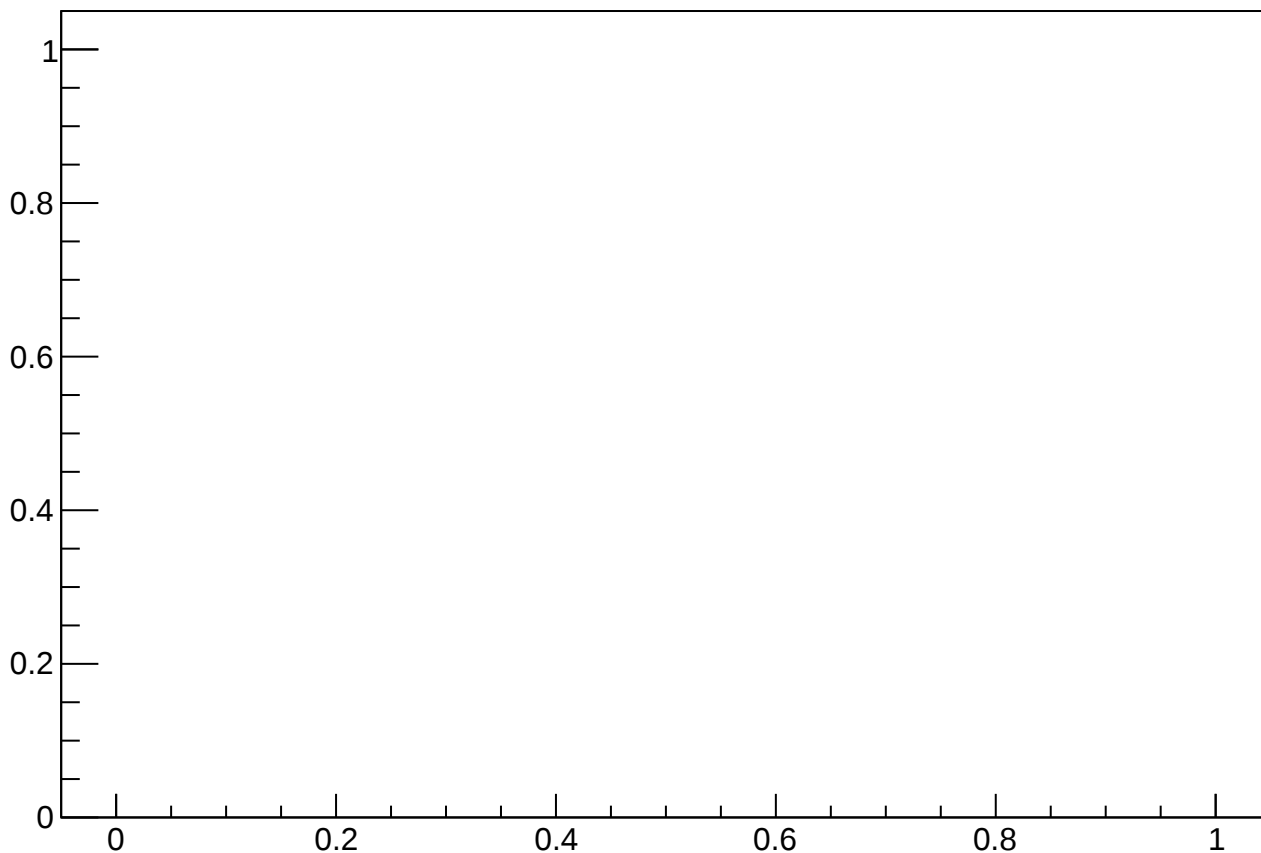
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

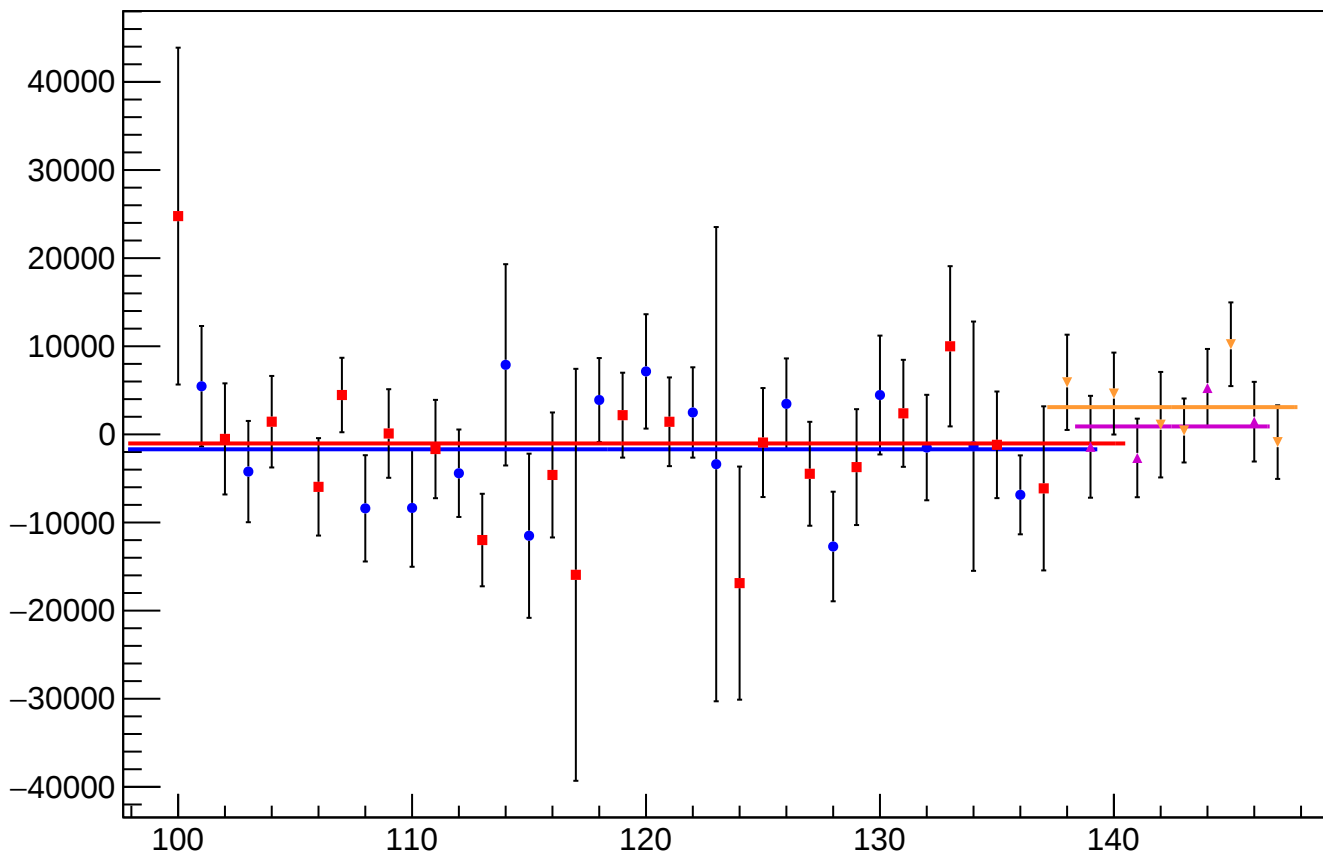
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 3092.210+/-1870.159 χ^2/NDF : 4.2/5

Right Out: -1029.768+/-1376.481 χ^2/NDF : 14.3/19

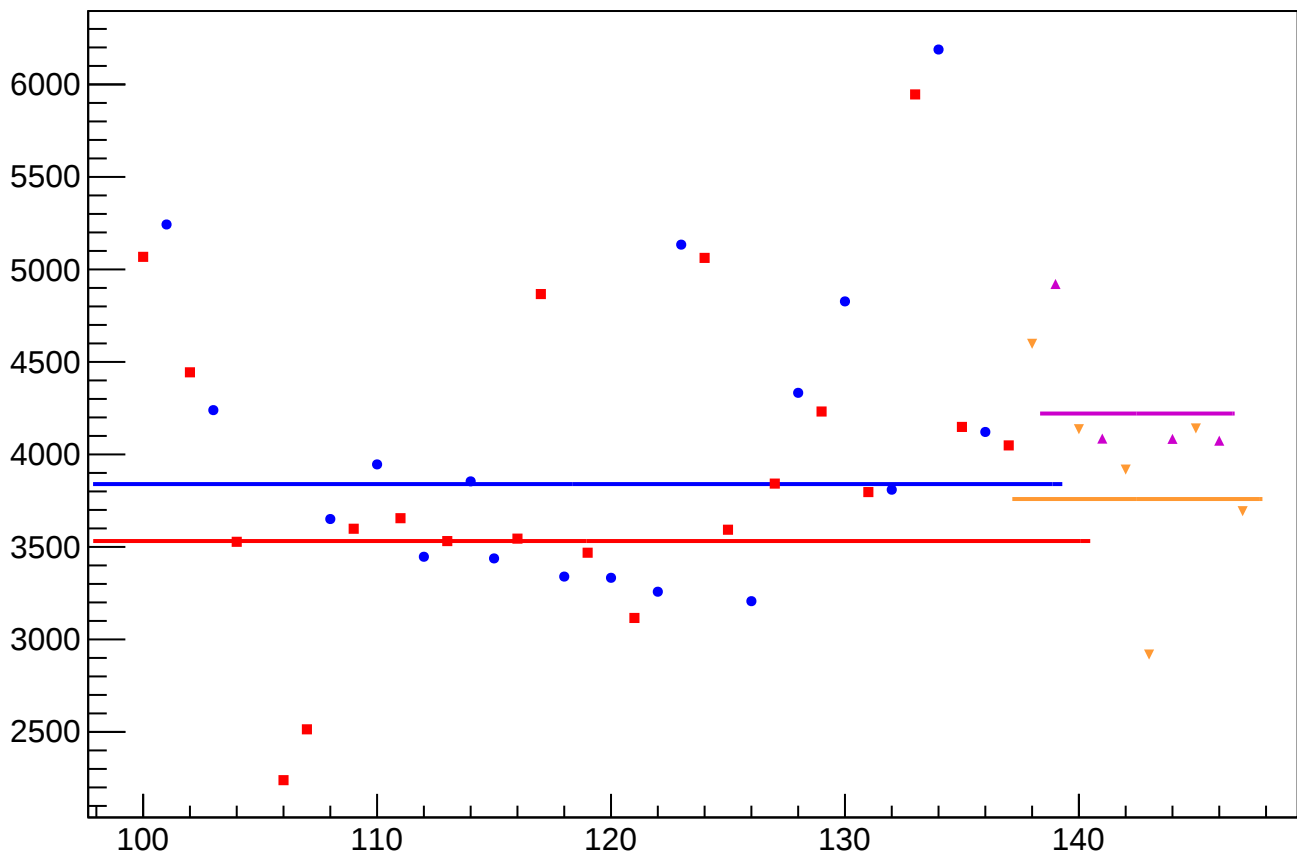
Left In: 901.089+/-2356.515 χ^2/NDF : 1.8/3

200.142+/-1176.230 χ^2/NDF : 24.0/22

-165.358+/-836.049 χ^2/NDF : 40.8/46

-538.568+/-1188.570 χ^2/NDF : 16.6/23

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751 ± 1.070 $\chi^2/\text{NDF}: 325959.2/16$

Left Out: 3758.957 ± 1.322 $\chi^2/\text{NDF}: 183390.0/5$

Right Out: 3531.881 ± 0.965 $\chi^2/\text{NDF}: 561331.4/19$

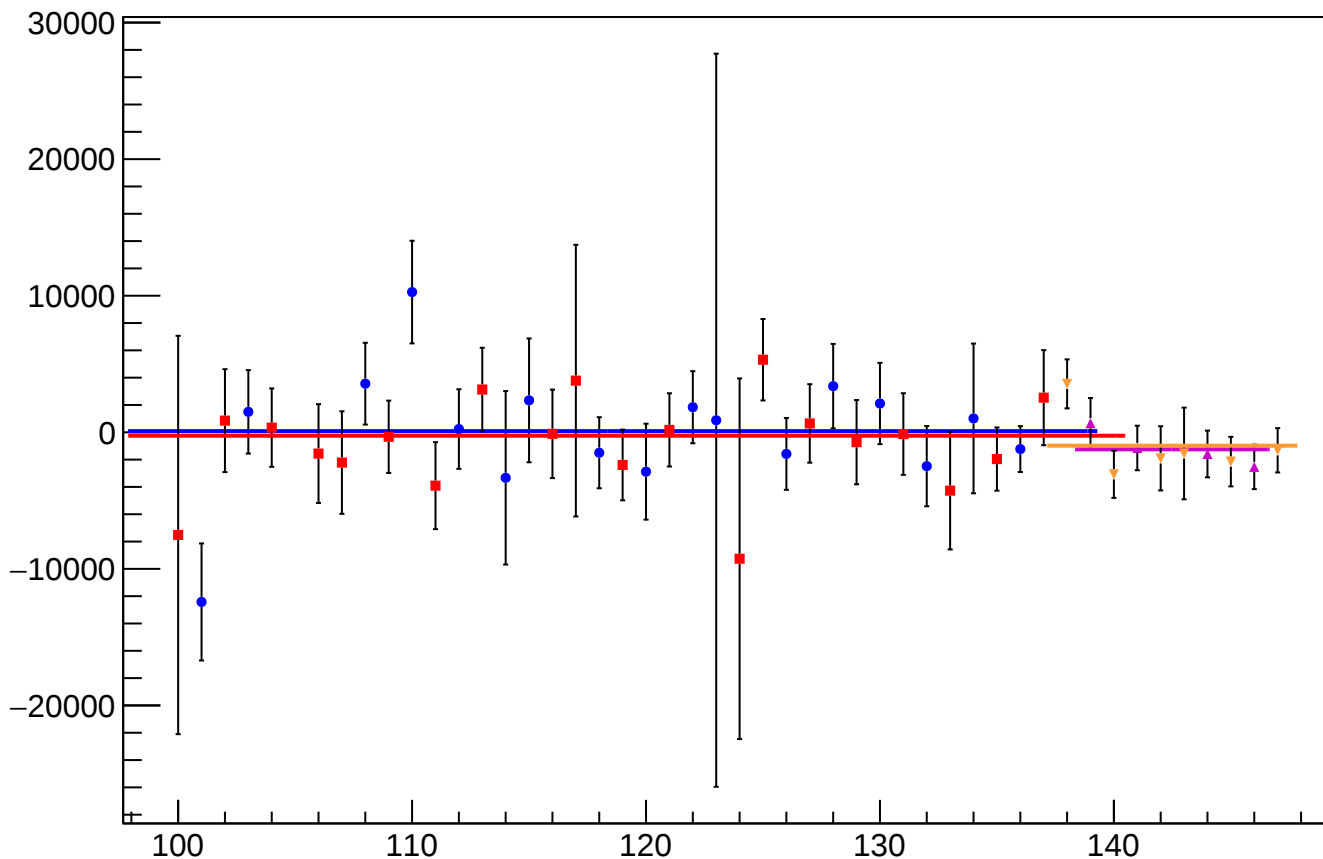
Left In: 4221.067 ± 1.666 $\chi^2/\text{NDF}: 35209.4/3$

3807.792 ± 0.832 $\chi^2/\text{NDF}: 511605.4/22$

3756.503 ± 0.589 $\chi^2/\text{NDF}: 1243915.1/46$

3704.838 ± 0.835 $\chi^2/\text{NDF}: 724676.1/23$

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -980.310+/-790.570 χ^2/NDF : 8.5/5

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

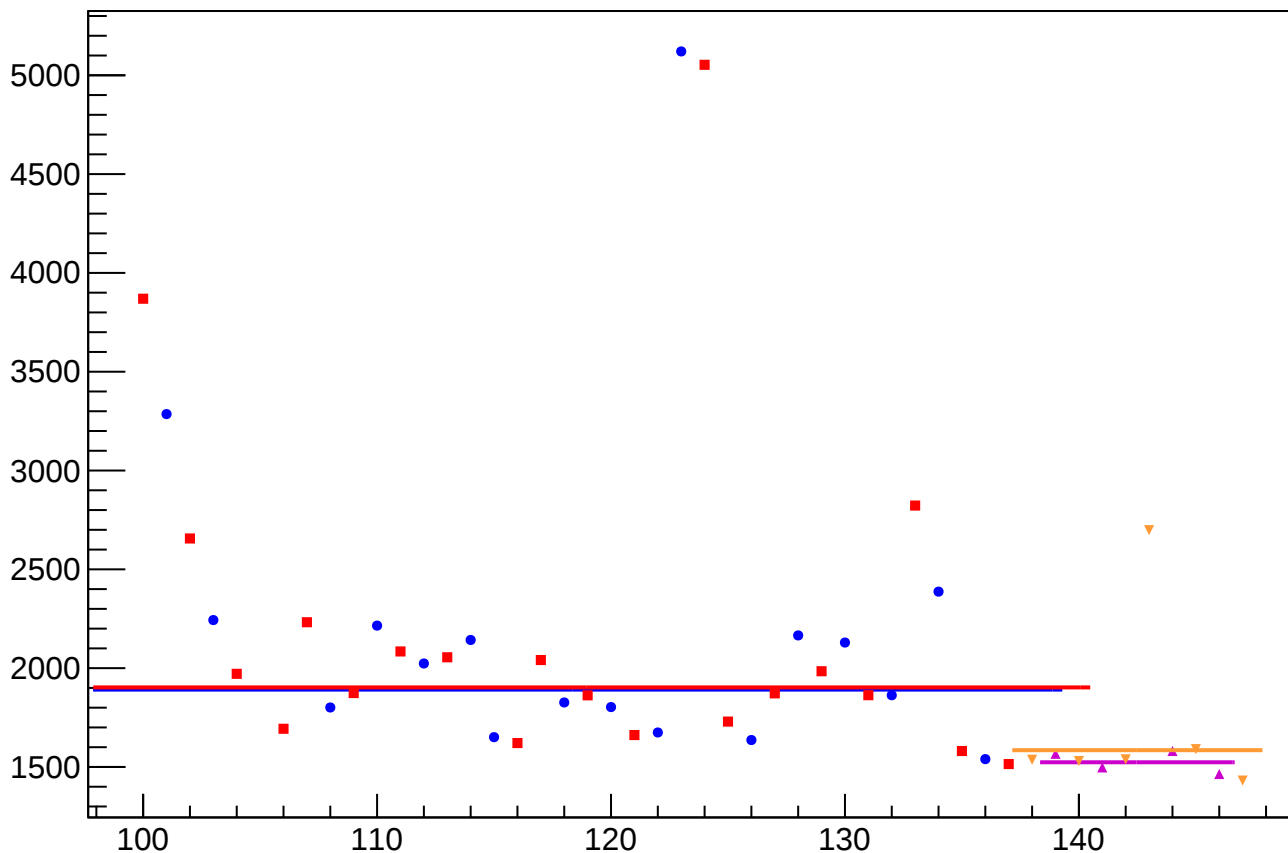
Left In: -1248.357+/-848.352 χ^2/NDF : 1.7/3

-420.609+/-544.317 χ^2/NDF : 32.3/22

-546.277+/-388.359 χ^2/NDF : 45.3/46

-676.580+/-554.264 χ^2/NDF : 12.9/23

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1584.884+/-0.559 χ^2/NDF : 242105.8/5

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

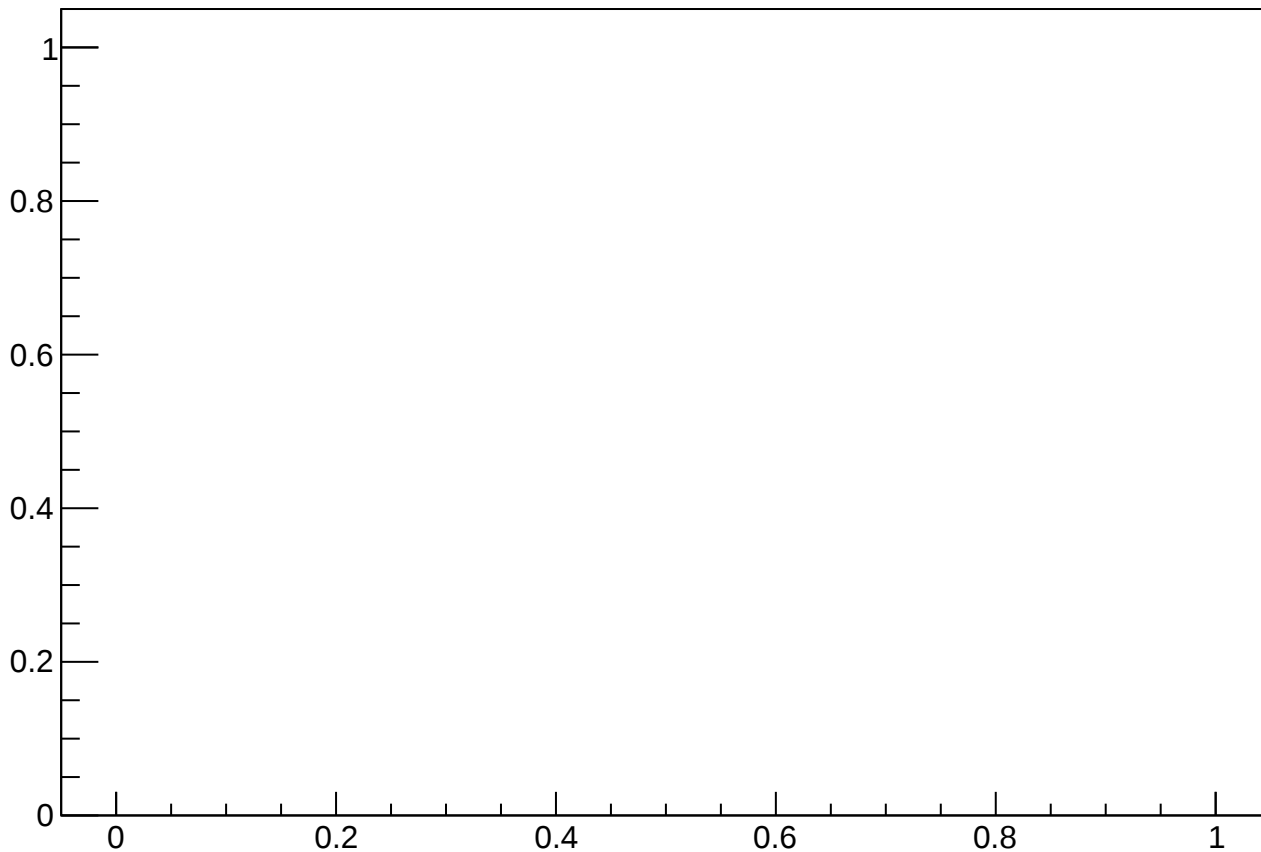
Left In: 1523.693+/-0.600 χ^2/NDF : 6487.3/3

1746.146+/-0.385 χ^2/NDF : 864824.9/22

1743.539+/-0.275 χ^2/NDF : 1561095.4/46

1740.836+/-0.392 χ^2/NDF : 696177.1/23

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

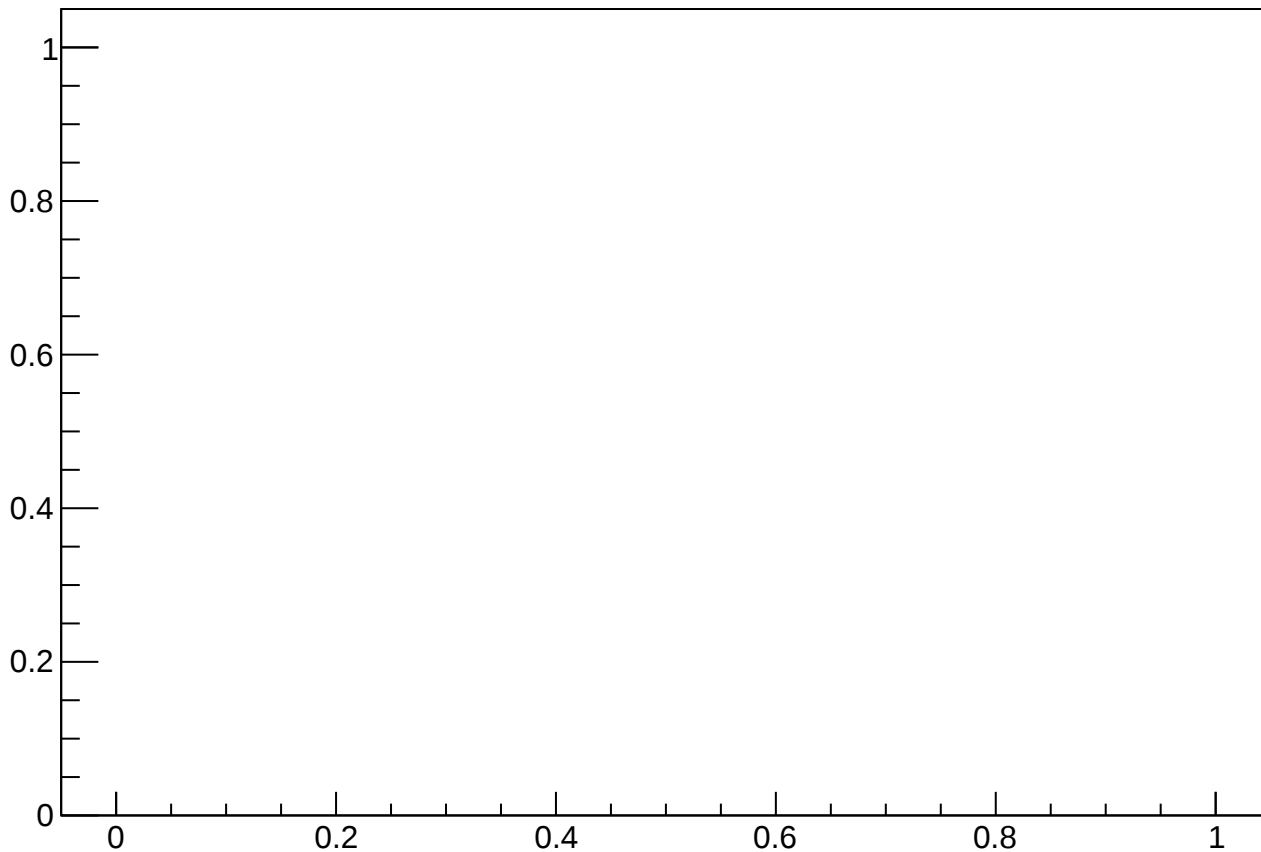
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

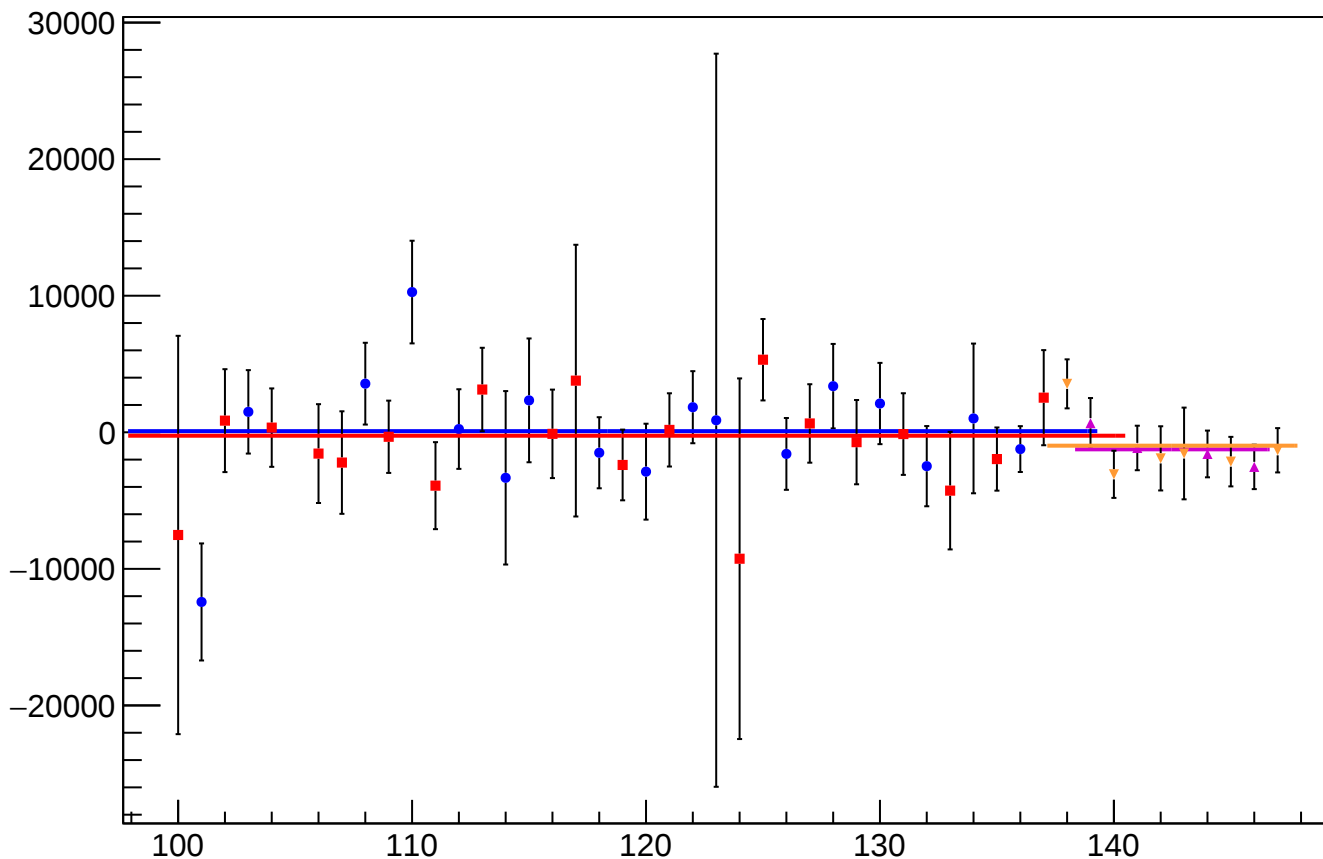
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -980.310+/-790.570 χ^2/NDF : 8.5/5

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

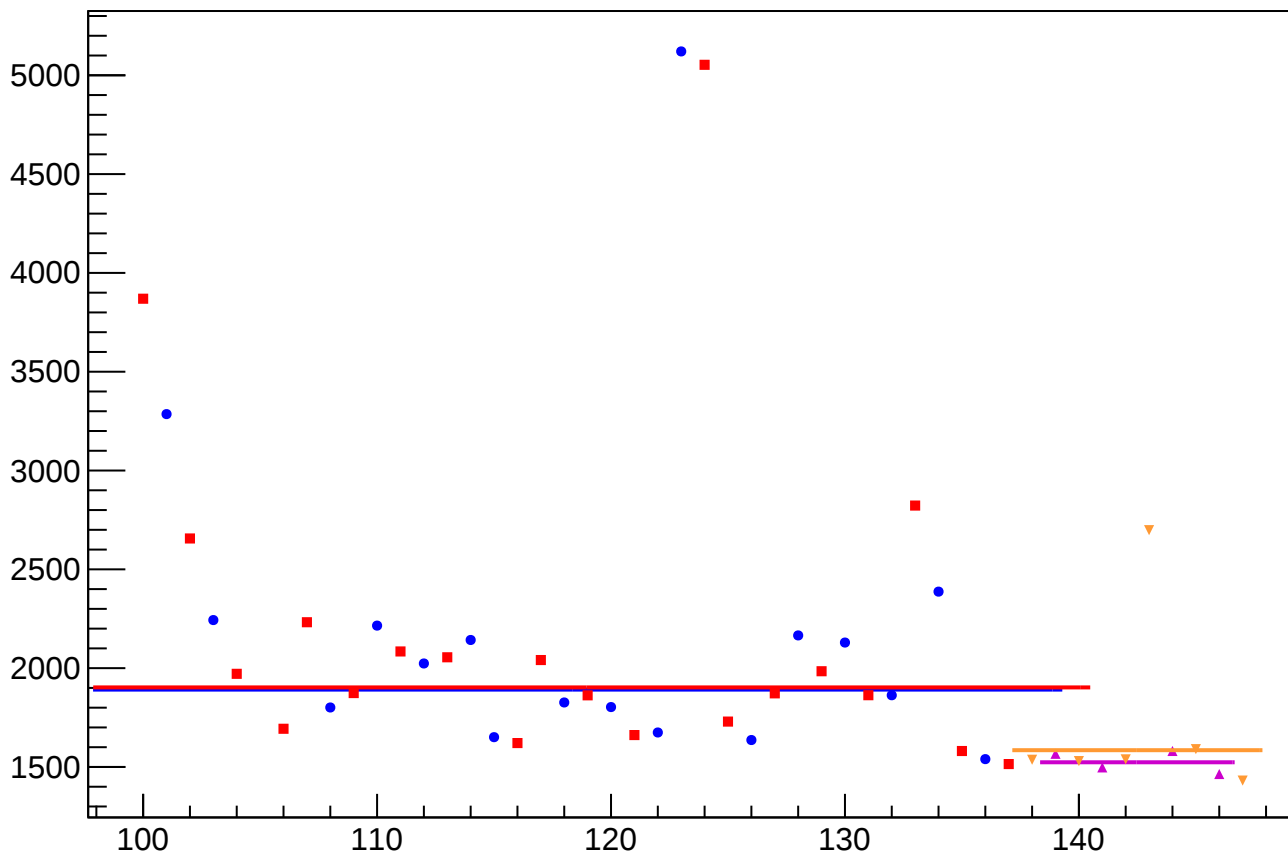
Left In: -1248.357+/-848.352 χ^2/NDF : 1.7/3

-420.609+/-544.317 χ^2/NDF : 32.3/22

-546.277+/-388.359 χ^2/NDF : 45.3/46

-676.580+/-554.264 χ^2/NDF : 12.9/23

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1584.884+/-0.559 χ^2/NDF : 242105.8/5

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

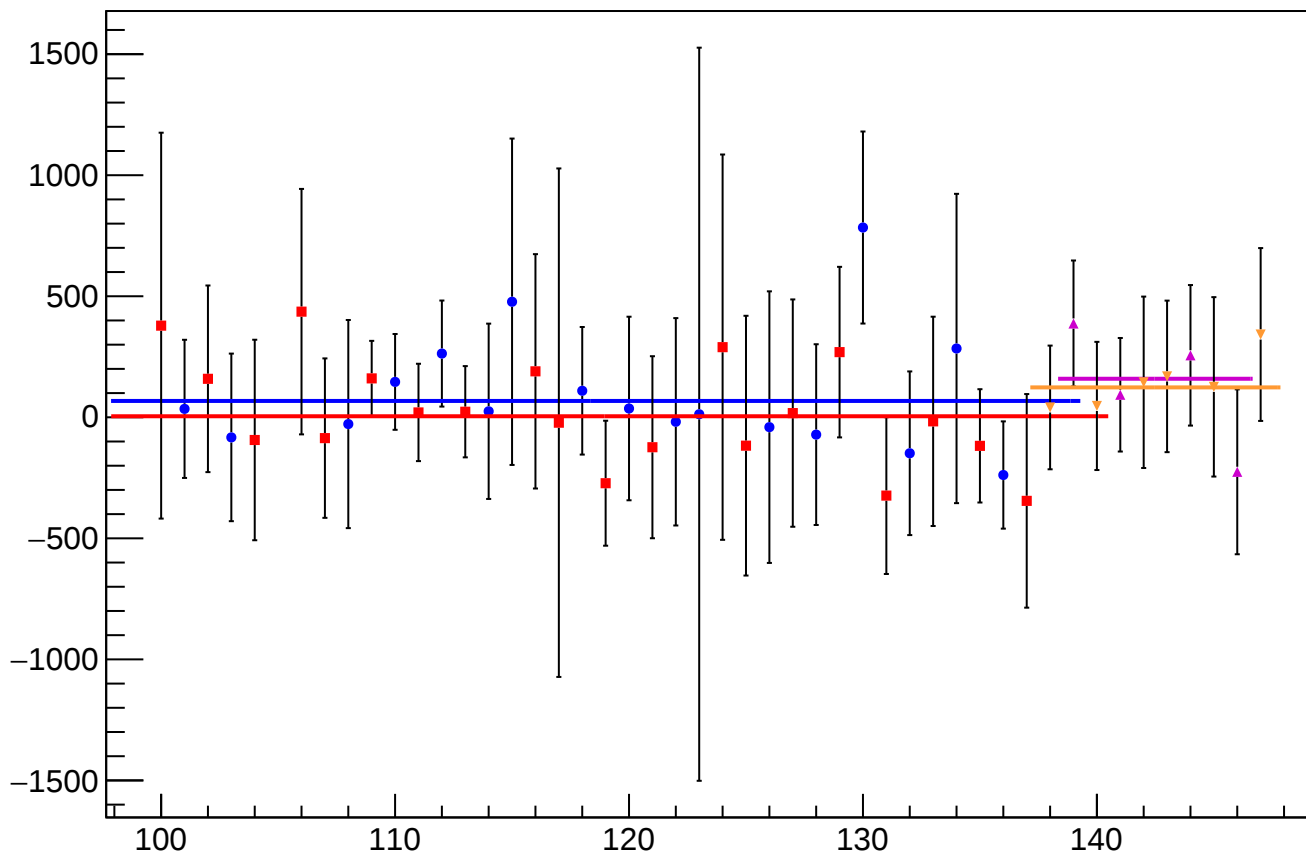
Left In: 1523.693+/-0.600 χ^2/NDF : 6487.3/3

1746.146+/-0.385 χ^2/NDF : 864824.9/22

1743.539+/-0.275 χ^2/NDF : 1561095.4/46

1740.836+/-0.392 χ^2/NDF : 696177.1/23

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 123.522+/-126.084 χ^2/NDF : 0.6/5

Right Out: 4.305+/-69.854 χ^2/NDF : 6.4/19

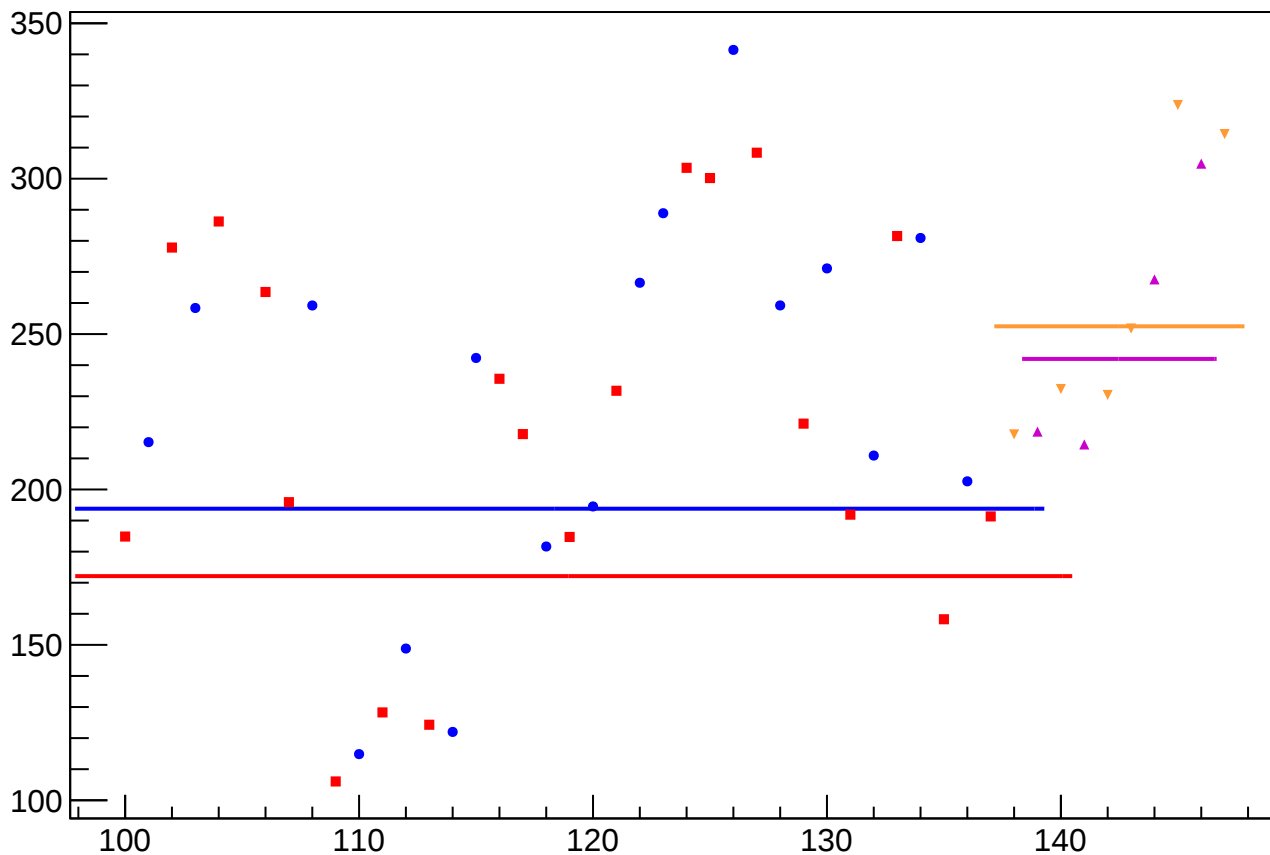
Left In: 159.209+/-136.803 χ^2/NDF : 2.2/3

83.498+/-67.313 χ^2/NDF : 8.3/22

58.065+/-45.688 χ^2/NDF : 18.1/46

36.340+/-62.213 χ^2/NDF : 9.6/23

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815 ± 0.056 χ^2/NDF : 1010325.5/16

Left Out: 252.498 ± 0.089 χ^2/NDF : 190339.0/5

Right Out: 172.123 ± 0.049 χ^2/NDF : 1580879.9/19

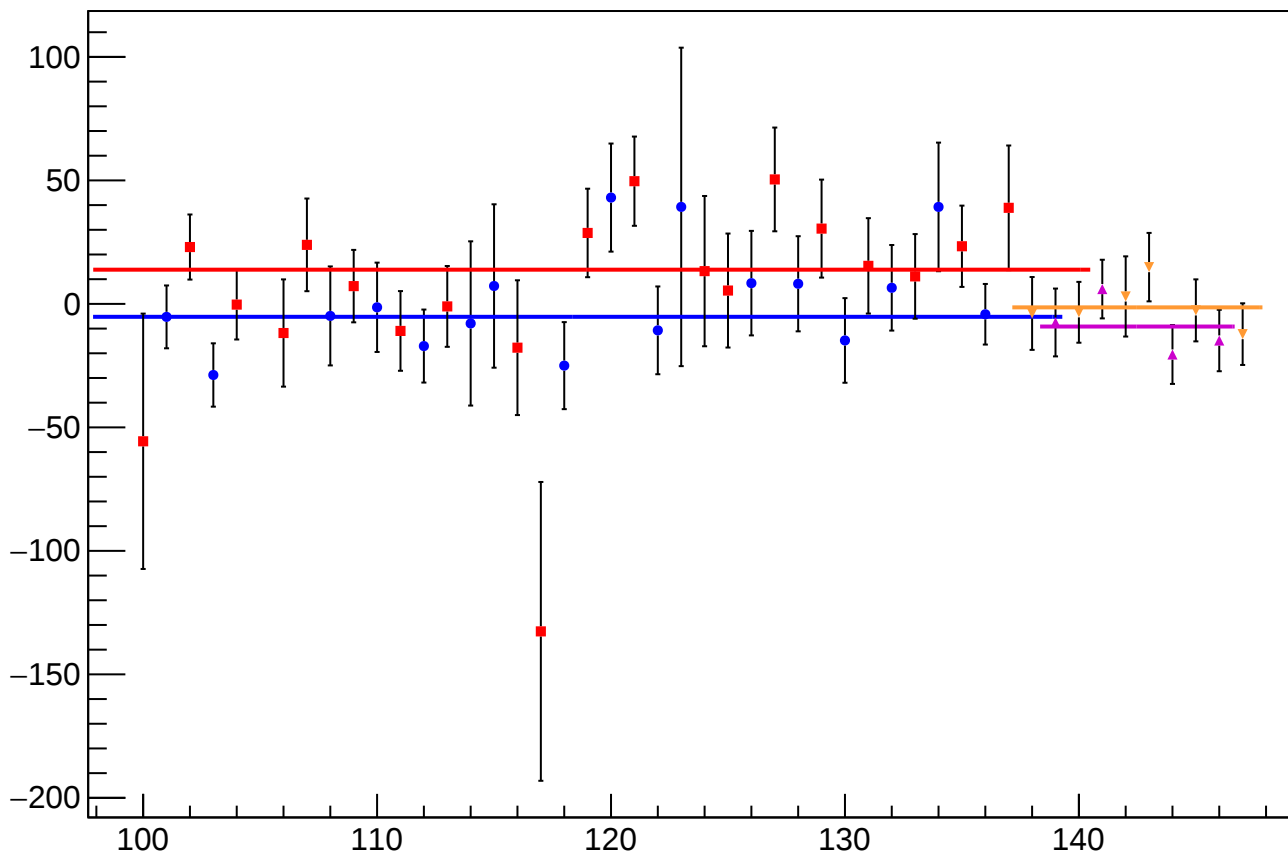
Left In: 242.007 ± 0.097 χ^2/NDF : 127319.0/3

210.541 ± 0.048 χ^2/NDF : 1510427.6/22

197.616 ± 0.032 χ^2/NDF : 3769320.2/46

186.576 ± 0.044 χ^2/NDF : 2122165.8/23

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: -1.409 ± 5.508 χ^2/NDF : 2.3/5

Right Out: 13.851 ± 4.255 χ^2/NDF : 25.4/19

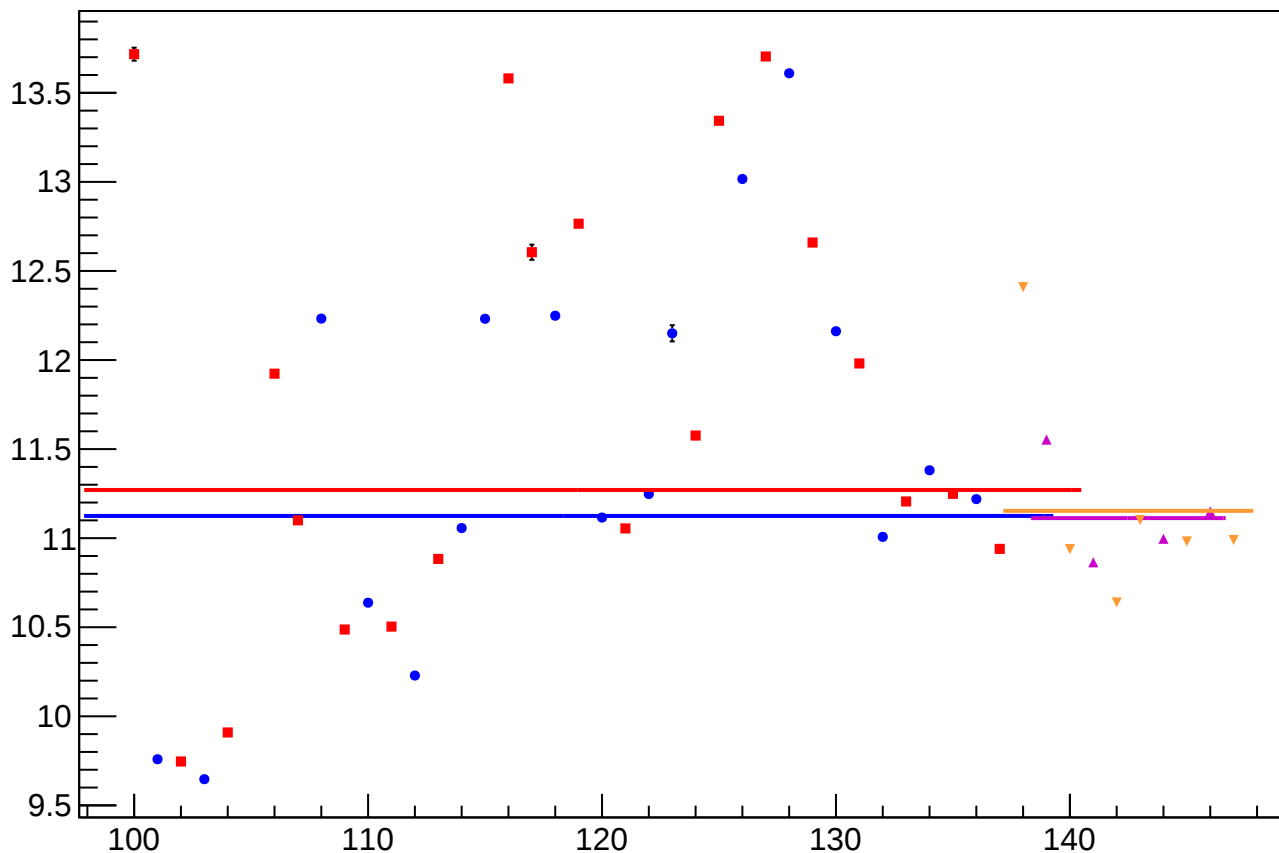
Left In: -9.167 ± 6.212 χ^2/NDF : 2.8/3

-3.760 ± 3.417 χ^2/NDF : 18.1/22

1.232 ± 2.448 χ^2/NDF : 60.0/46

6.502 ± 3.510 χ^2/NDF : 37.5/23

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125+/-0.003 χ^2/NDF : 132520.1/16

Left Out: 11.153+/-0.004 χ^2/NDF : 17858.7/5

Right Out: 11.271+/-0.003 χ^2/NDF : 148711.4/19

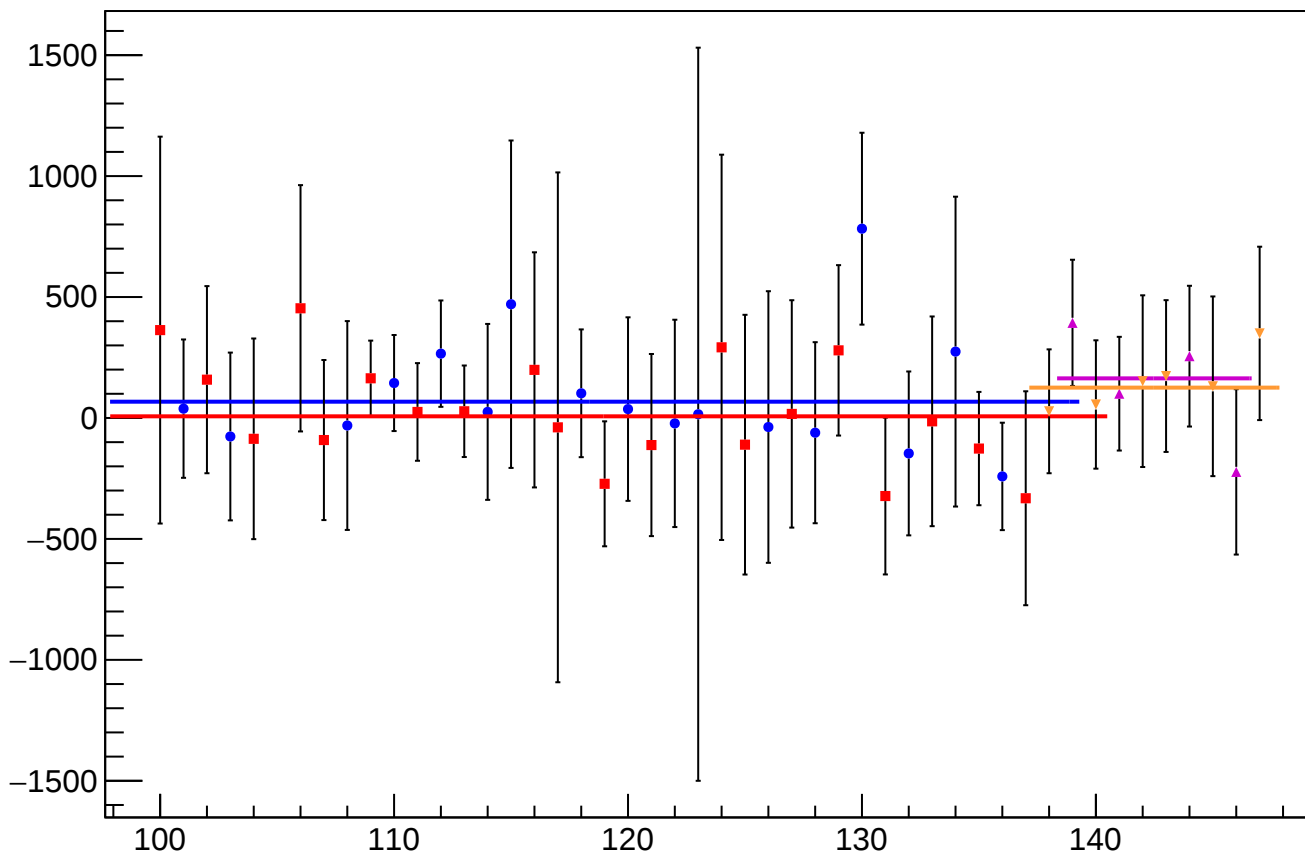
Left In: 11.113+/-0.004 χ^2/NDF : 3140.7/3

11.136+/-0.002 χ^2/NDF : 150411.8/22

11.177+/-0.002 χ^2/NDF : 303737.3/46

11.220+/-0.002 χ^2/NDF : 152732.5/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 125.483+/-126.409 χ^2/NDF : 0.6/5

Right Out: 6.837+/-70.057 χ^2/NDF : 6.4/19

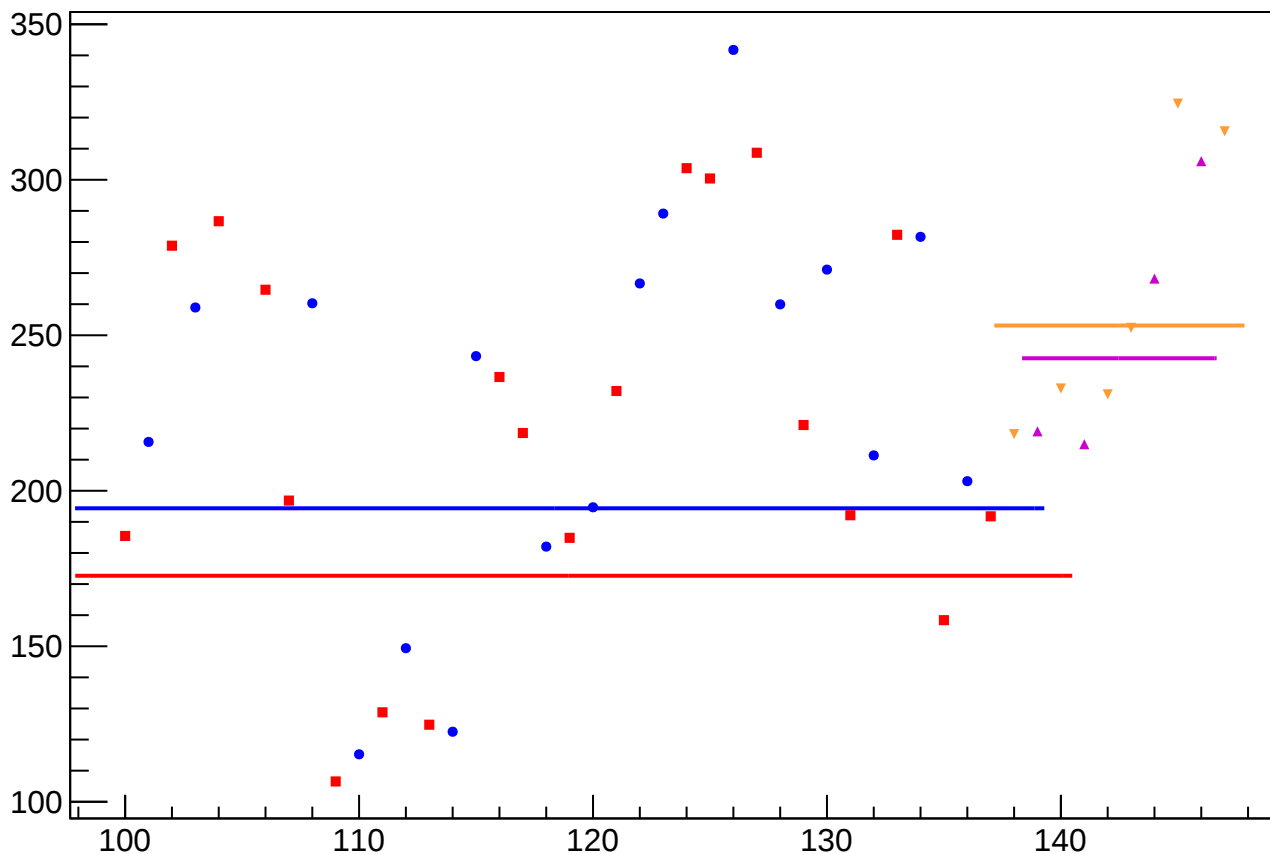
Left In: 163.772+/-137.151 χ^2/NDF : 2.2/3

83.888+/-67.489 χ^2/NDF : 8.3/22

59.852+/-45.813 χ^2/NDF : 18.2/46

39.311+/-62.389 χ^2/NDF : 9.7/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365+/-0.056 χ^2/NDF : 1005234.4/16

Left Out: 253.136+/-0.089 χ^2/NDF :191124.6/5

Right Out: 172.675+/-0.050 χ^2/NDF : 1573459.1/19

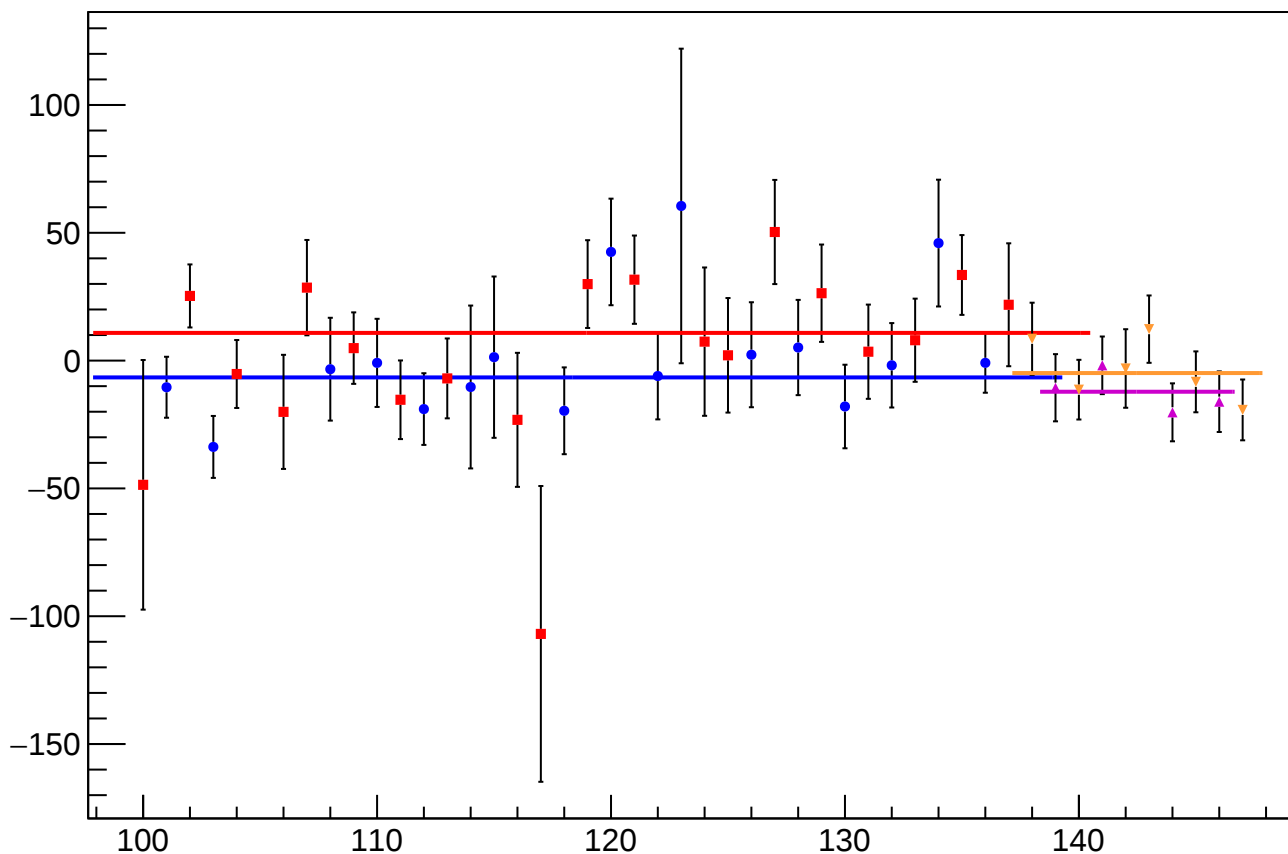
Left In: 242.605+/-0.097 χ^2/NDF :128122.7/3

211.118+/-0.048 χ^2/NDF : 1505443.8/22

198.192+/-0.032 χ^2/NDF : 3755436.6/46

187.145+/-0.044 χ^2/NDF : 2113930.9/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: -4.869 ± 5.236 $\chi^2/\text{NDF}: 4.5/5$

Right Out: 10.838 ± 4.070 $\chi^2/\text{NDF}: 27.1/19$

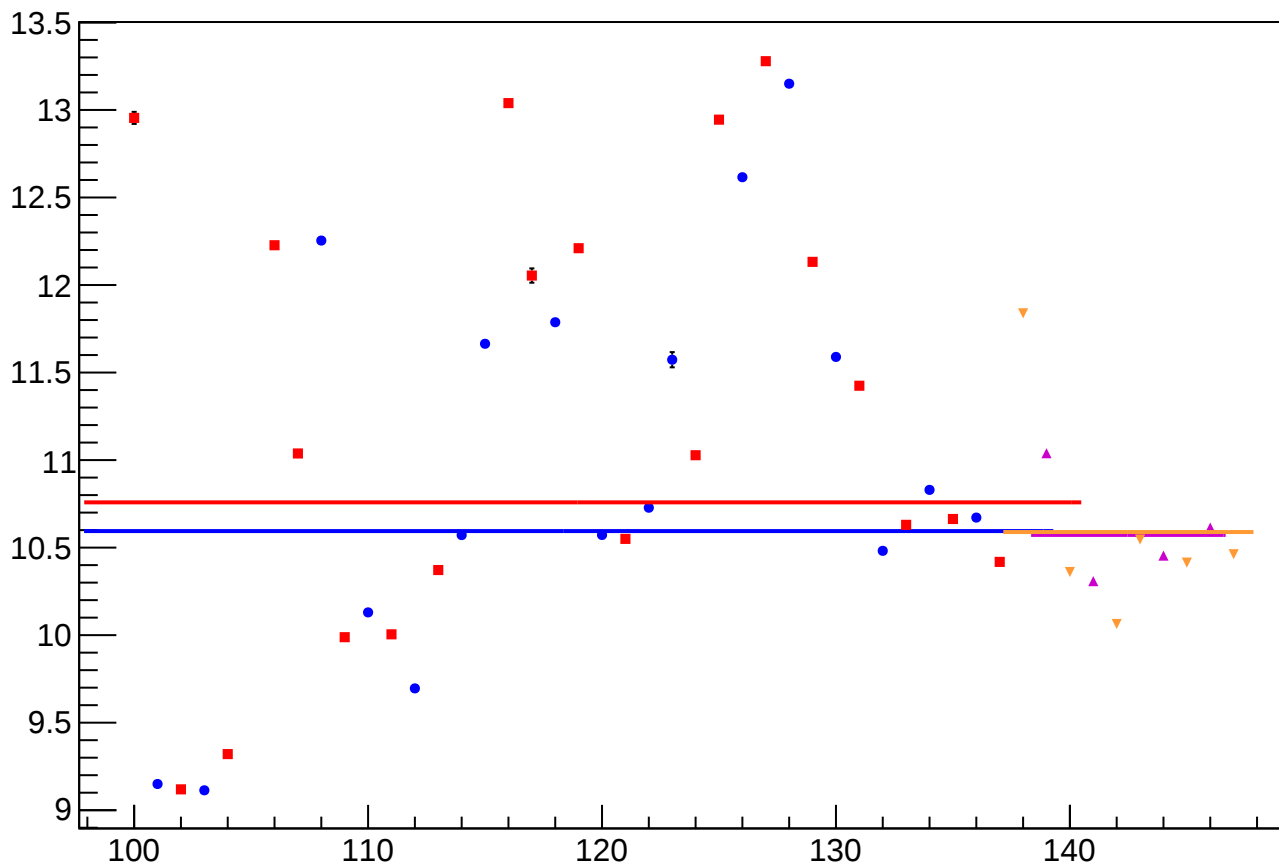
Left In: -12.180 ± 5.918 $\chi^2/\text{NDF}: 1.5/3$

-5.916 ± 3.256 $\chi^2/\text{NDF}: 23.9/22$

-1.372 ± 2.336 $\chi^2/\text{NDF}: 66.7/46$

3.447 ± 3.353 $\chi^2/\text{NDF}: 38.9/23$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.589 $\pm$ 0.004 χ^2/NDF : 19452.8/5

Right Out: 10.758 $\pm$ 0.003 χ^2/NDF : 178180.9/19

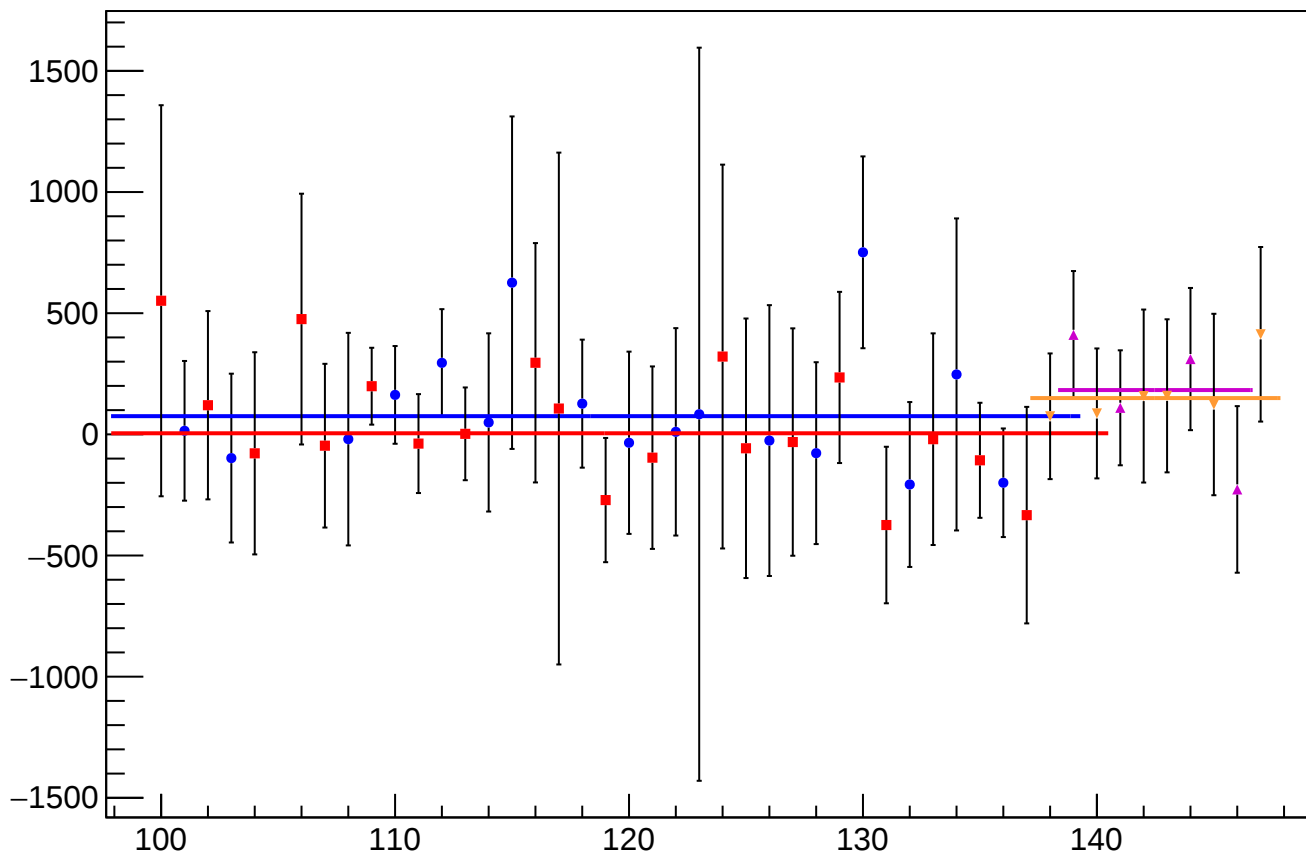
Left In: 10.573 $\pm$ 0.004 χ^2/NDF : 3860.9/3

10.592 $\pm$ 0.002 χ^2/NDF : 179513.3/22

10.644 $\pm$ 0.002 χ^2/NDF : 363931.9/46

10.699 $\pm$ 0.002 χ^2/NDF : 183381.8/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086+/-80.352 χ^2/NDF : 7.7/16

Left Out: 149.719+/-127.527 χ^2/NDF : 0.7/5

Right Out: 4.459+/-70.724 χ^2/NDF : 7.3/19

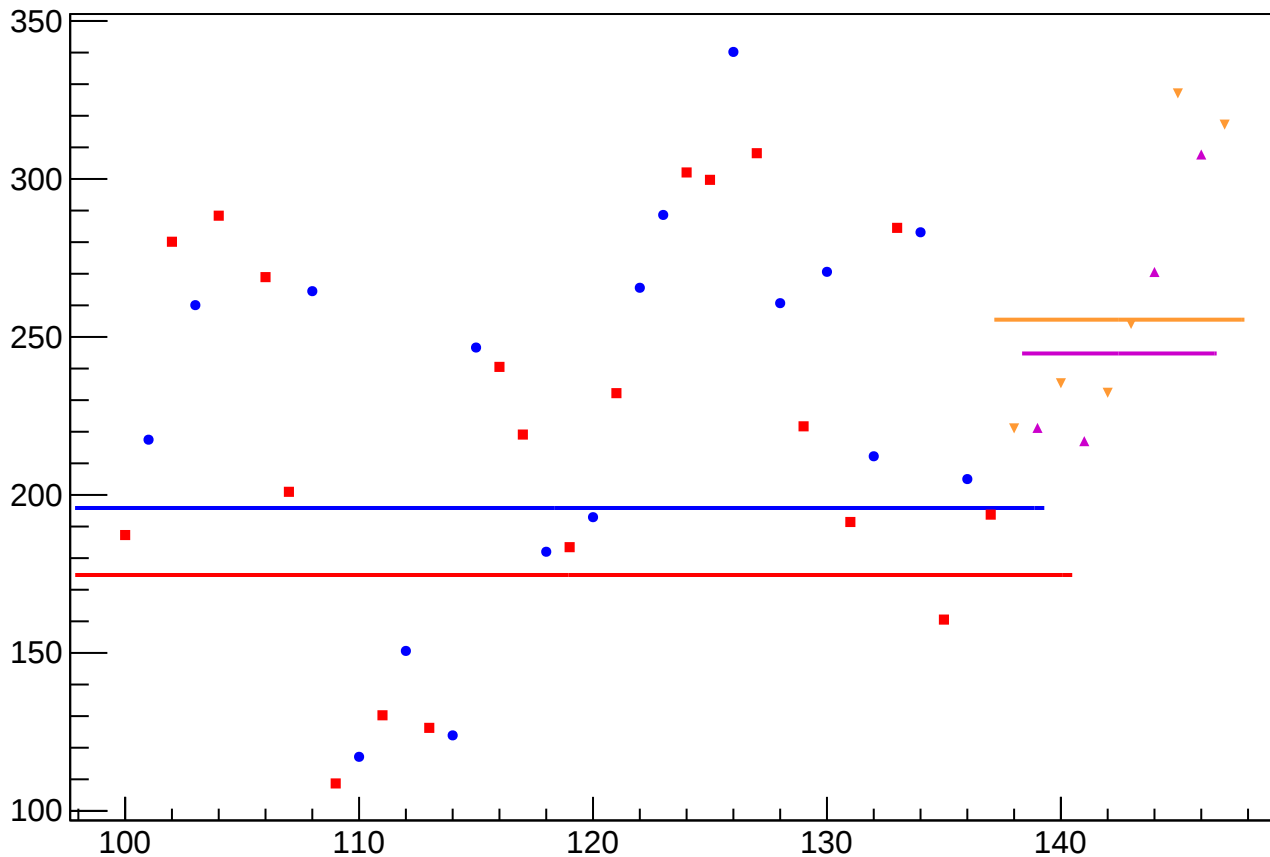
Left In: 182.796+/-138.333 χ^2/NDF : 2.5/3

96.295+/-67.982 χ^2/NDF : 8.6/22

66.758+/-46.198 χ^2/NDF : 20.1/46

41.414+/-62.971 χ^2/NDF : 11.1/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 255.469 $\pm$ 0.090 χ^2 /NDF:186811.4/5

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

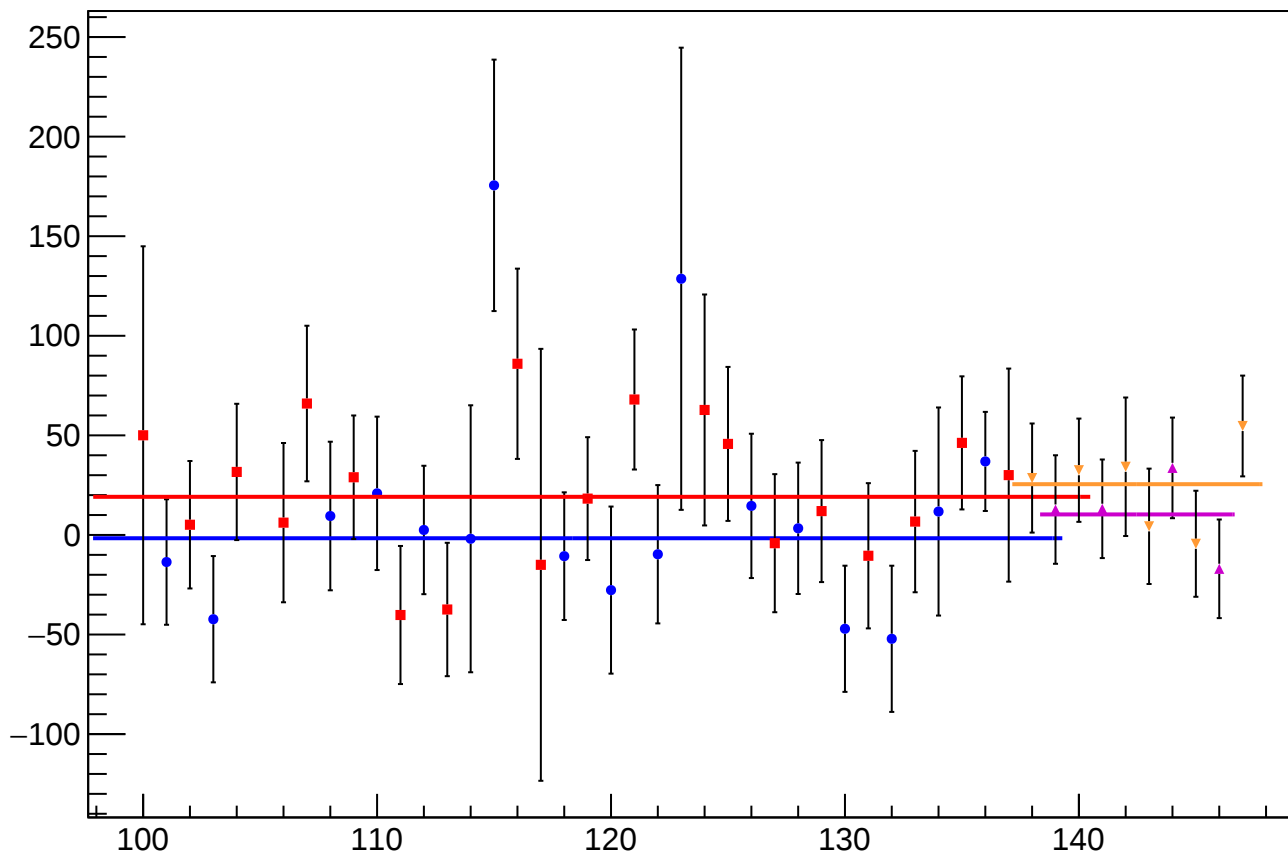
Left In: 244.772 $\pm$ 0.098 χ^2 /NDF:125921.9/3

212.806 $\pm$ 0.048 χ^2 /NDF: 1478757.7/22

200.097 $\pm$ 0.033 χ^2 /NDF: 3674118.1/46

189.193 $\pm$ 0.045 χ^2 /NDF: 2065497.3/23

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654+/-8.881 χ^2/NDF : 18.5/16

Left Out: 25.487+/-11.313 χ^2/NDF : 3.3/5

Right Out: 19.145+/-8.529 χ^2/NDF : 14.9/19

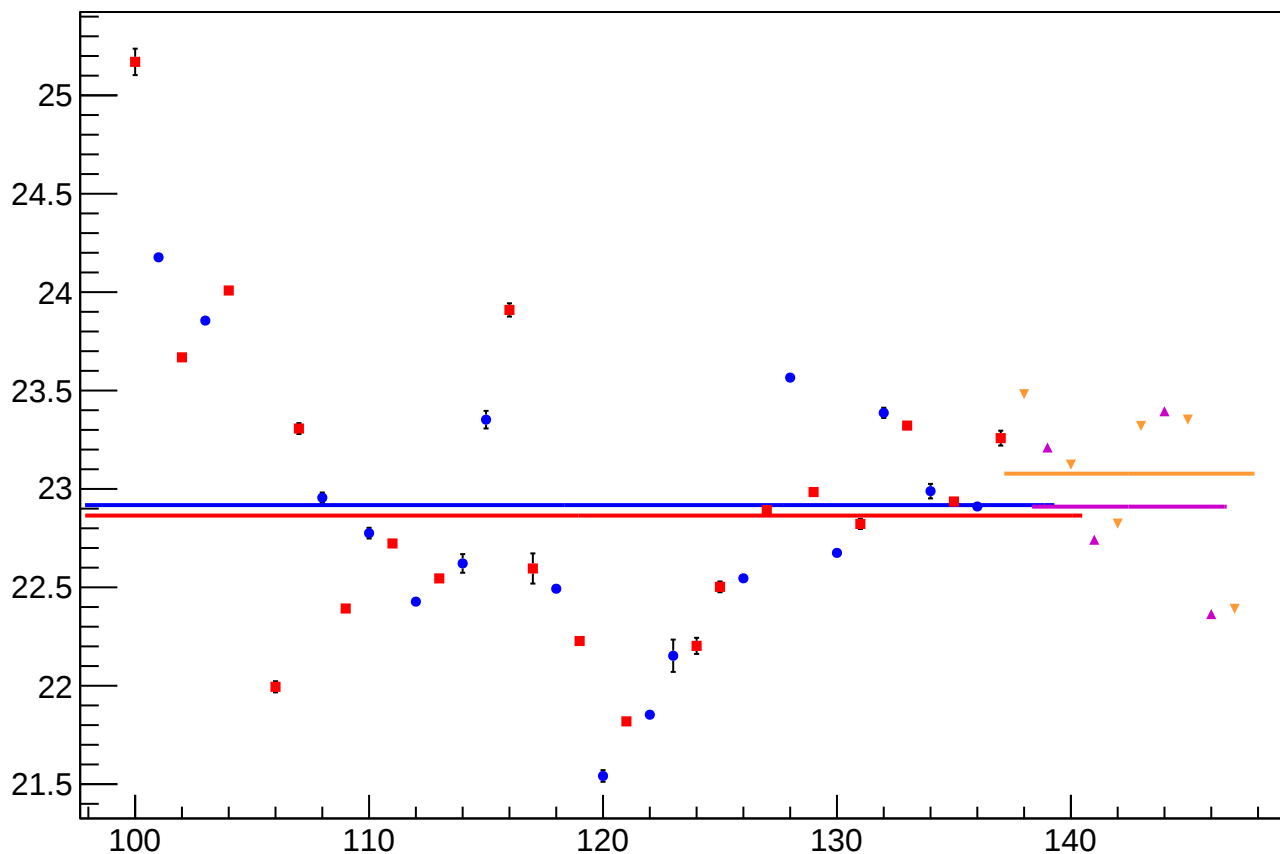
Left In: 10.303+/-12.722 χ^2/NDF : 2.1/3

8.694+/-6.986 χ^2/NDF : 25.4/22

12.495+/-4.974 χ^2/NDF : 43.3/46

16.403+/-7.084 χ^2/NDF : 17.3/23

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918+/-0.006 χ^2/NDF : 11472.2/16

Left Out: 23.078+/-0.008 χ^2/NDF : 2373.8/5

Right Out: 22.865+/-0.006 χ^2/NDF : 11064.9/19

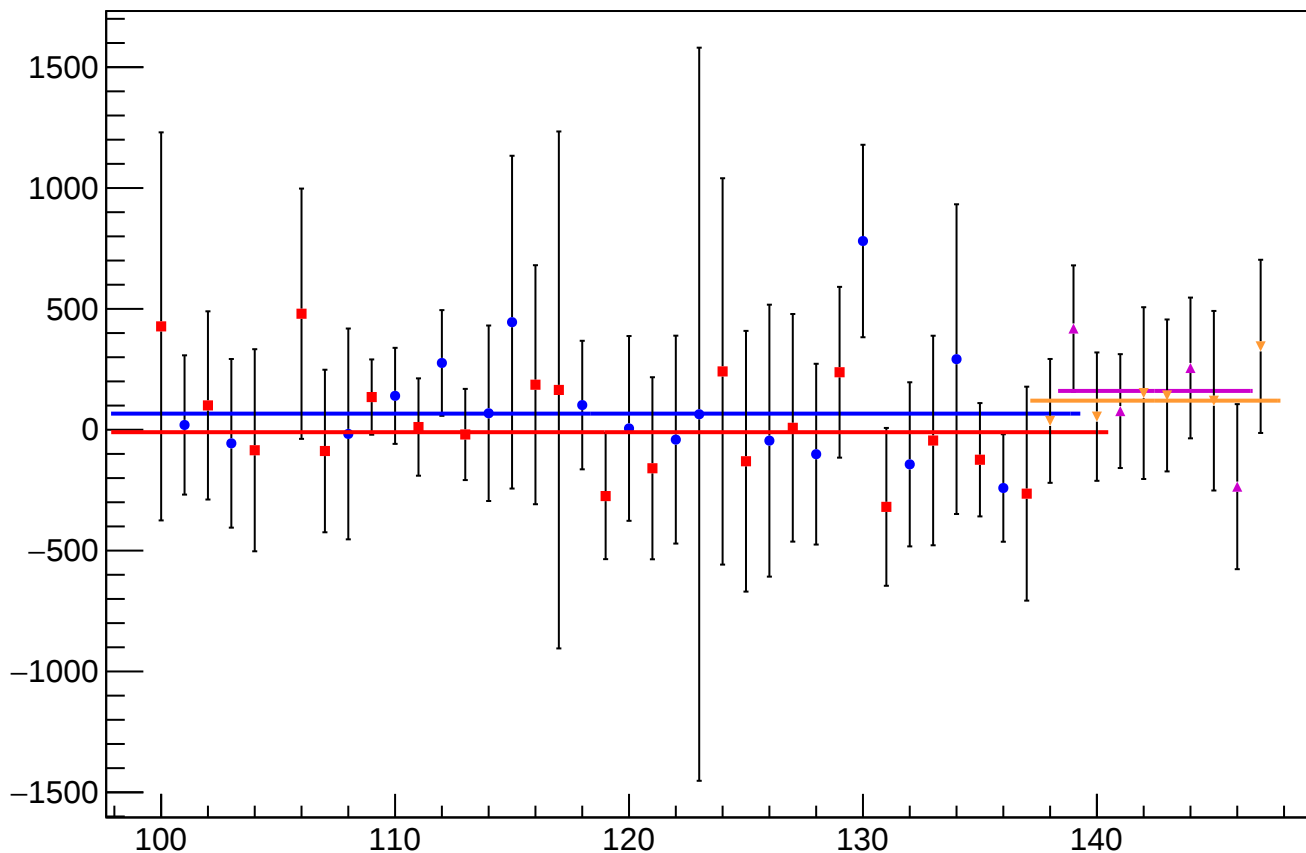
Left In: 22.910+/-0.009 χ^2/NDF : 2044.8/3

22.979+/-0.005 χ^2/NDF : 14092.9/22

22.929+/-0.004 χ^2/NDF : 27422.3/46

22.879+/-0.005 χ^2/NDF : 13127.2/23

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 120.349 $\pm$ 126.493 χ^2 /NDF: 0.6/5

Right Out: -10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

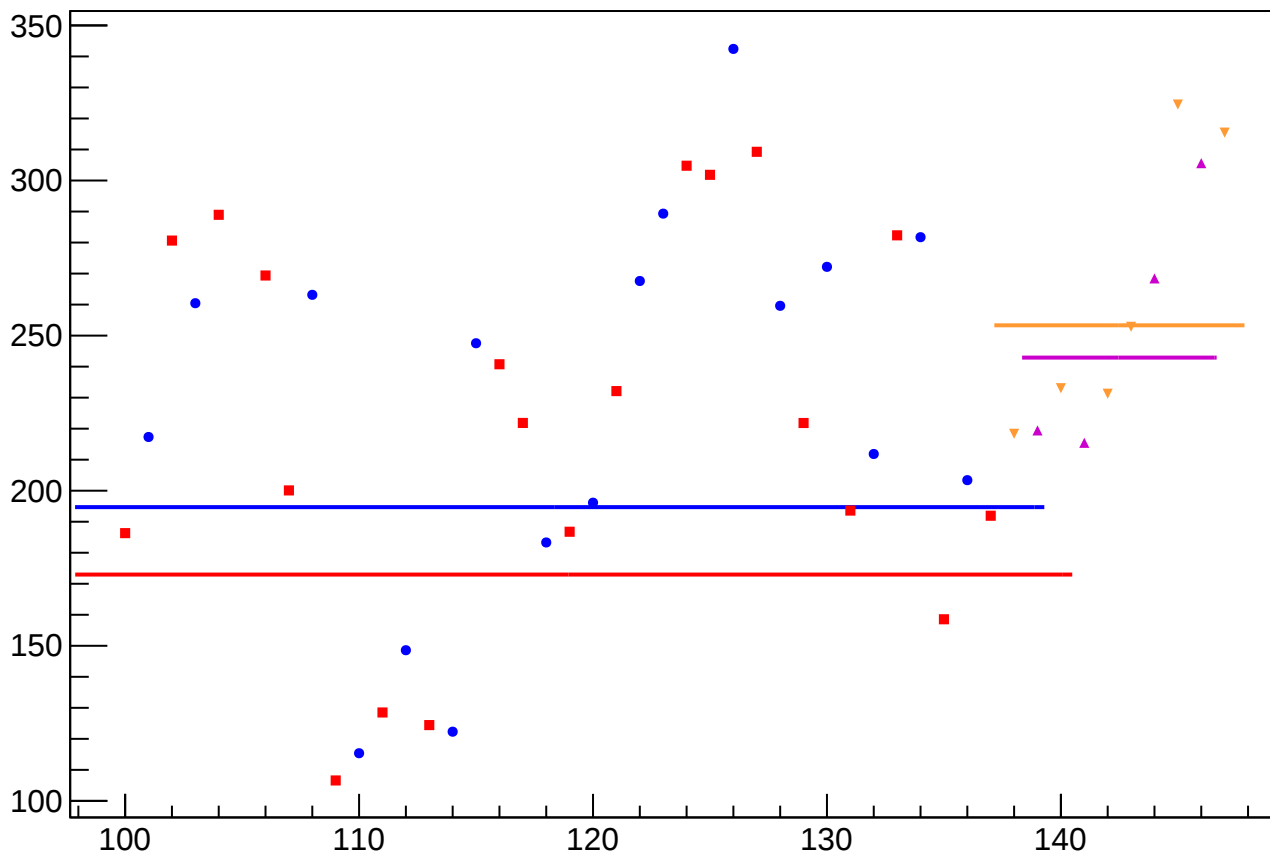
Left In: 160.605 $\pm$ 137.296 χ^2 /NDF: 2.6/3

82.027 $\pm$ 67.610 χ^2 /NDF: 8.2/22

51.450 $\pm$ 45.905 χ^2 /NDF: 18.1/46

25.296 $\pm$ 62.528 χ^2 /NDF: 9.5/23

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 253.321 $\pm$ 0.089 χ^2 /NDF:190212.0/5

Right Out: 172.965 $\pm$ 0.050 χ^2 /NDF: 1601142.0/19

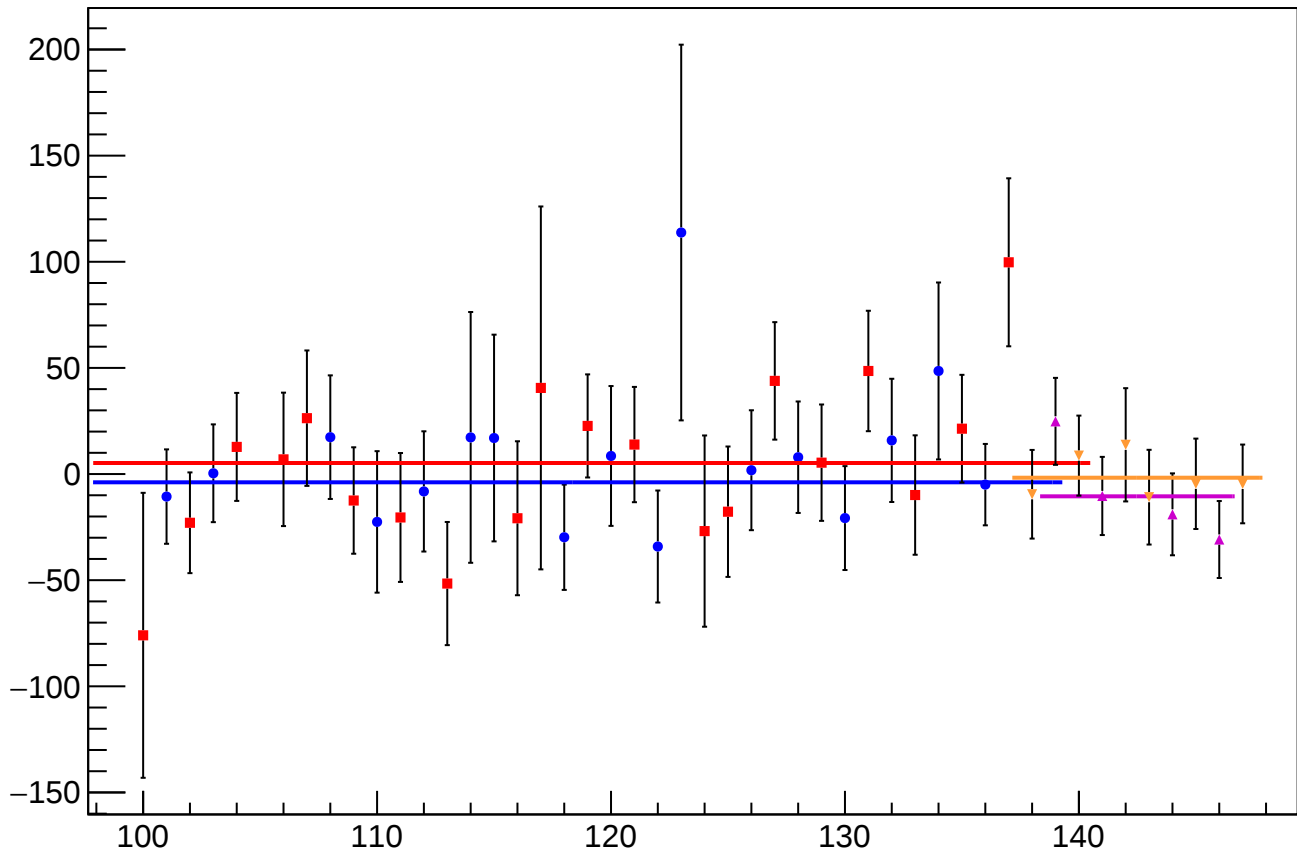
Left In: 242.910 $\pm$ 0.097 χ^2 /NDF:126158.3/3

211.449 $\pm$ 0.048 χ^2 /NDF: 1516884.9/22

198.526 $\pm$ 0.032 χ^2 /NDF: 3791169.4/46

187.473 $\pm$ 0.044 χ^2 /NDF: 2138713.7/23

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894+/-6.915 χ^2/NDF : 8.4/16

Left Out: -1.731+/-8.564 χ^2/NDF : 1.0/5

Right Out: 5.204+/-6.706 χ^2/NDF : 21.5/19

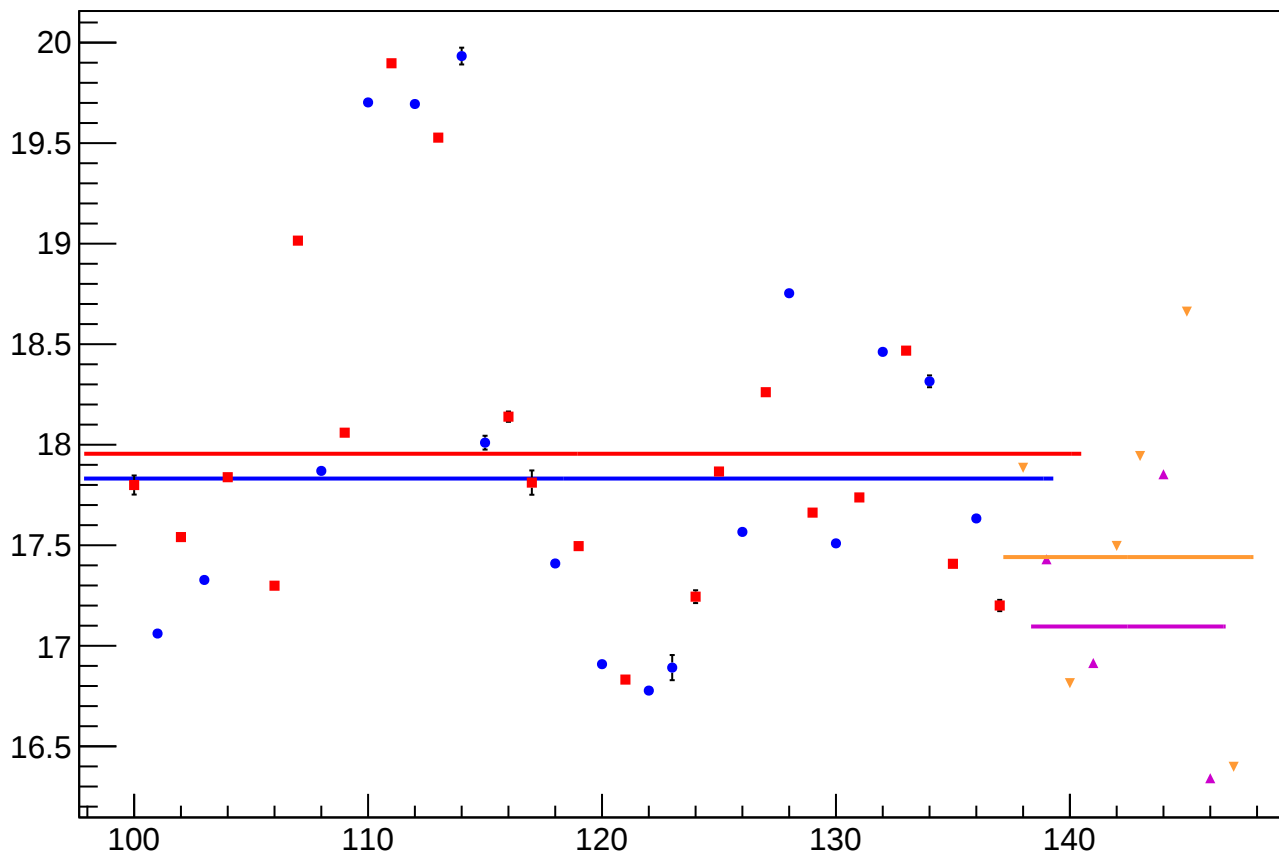
Left In: -10.497+/-9.508 χ^2/NDF : 4.4/3

-3.041+/-5.380 χ^2/NDF : 9.4/22

-1.554+/-3.839 χ^2/NDF : 37.3/46

-0.012+/-5.480 χ^2/NDF : 27.8/23

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.441 $\pm$ 0.006 χ^2/NDF : 17041.5/5

Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25454.6/19

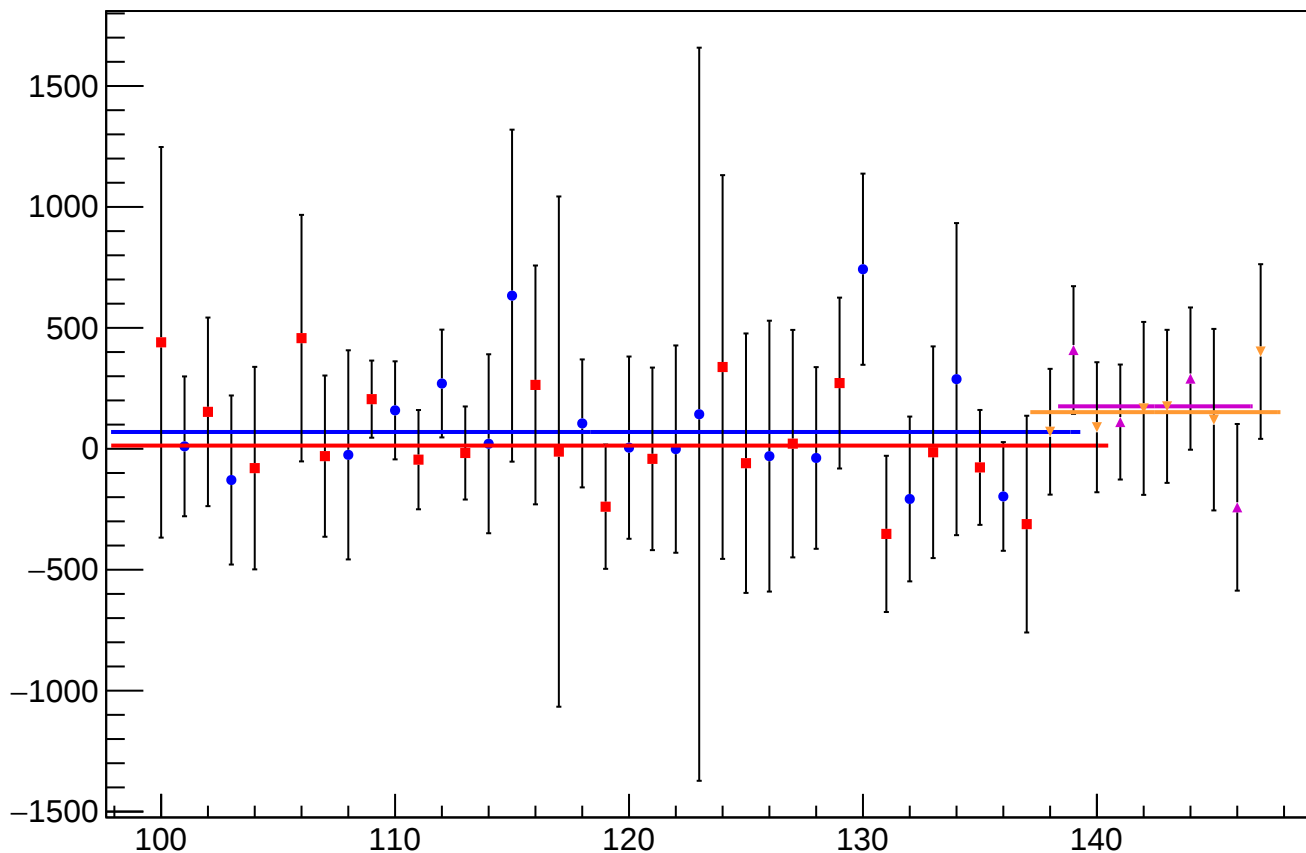
Left In: 17.096 $\pm$ 0.007 χ^2/NDF : 7272.9/3

17.678 $\pm$ 0.004 χ^2/NDF : 50422.6/22

17.674 $\pm$ 0.003 χ^2/NDF : 94056.0/46

17.670 $\pm$ 0.004 χ^2/NDF : 43631.2/23

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 151.546+/-127.818 χ^2/NDF : 0.6/5

Right Out: 13.298+/-70.881 χ^2/NDF : 6.7/19

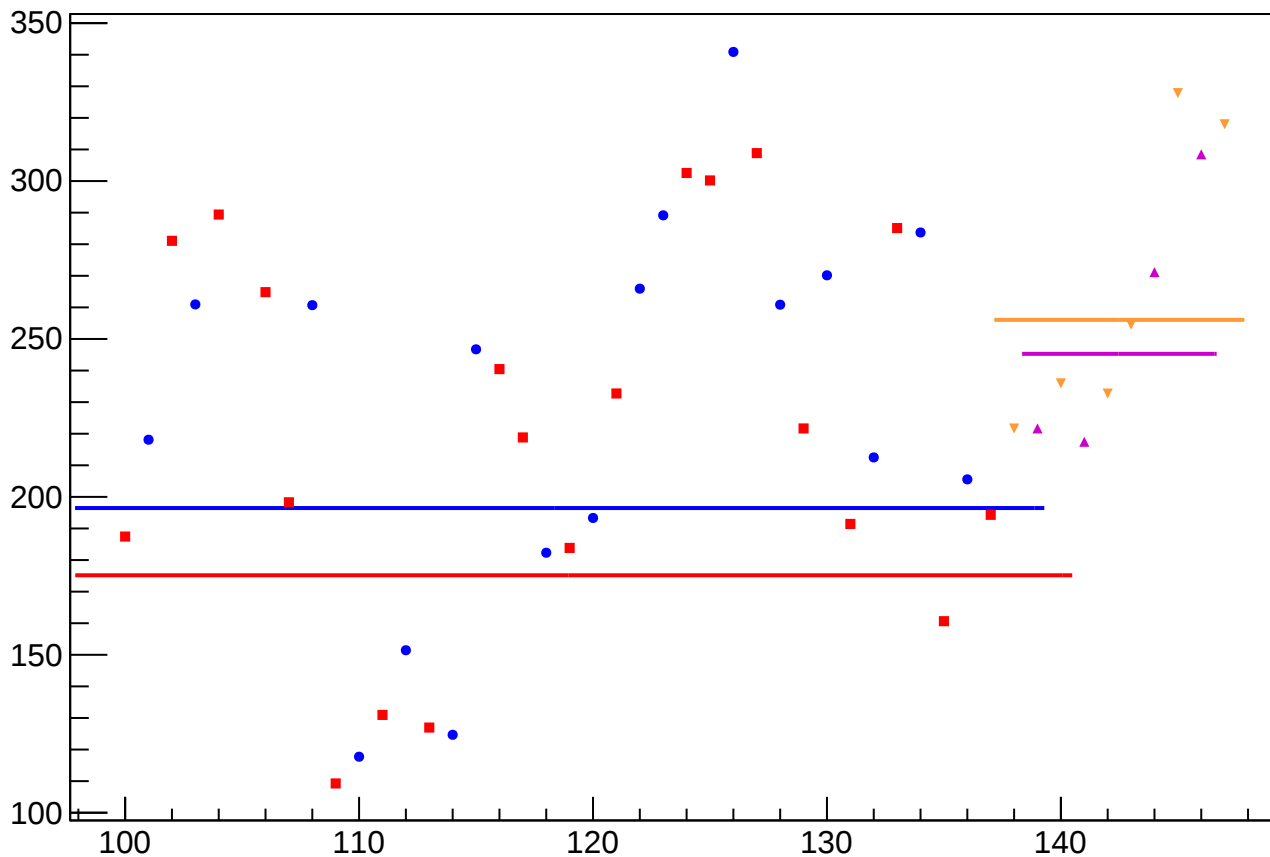
Left In: 175.635+/-138.629 χ^2/NDF : 2.5/3

92.830+/-68.147 χ^2/NDF : 8.3/22

68.127+/-46.304 χ^2/NDF : 18.8/46

46.941+/-63.110 χ^2/NDF : 10.3/23

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 256.053 $\pm$ 0.090 χ^2 /NDF:186765.7/5

Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

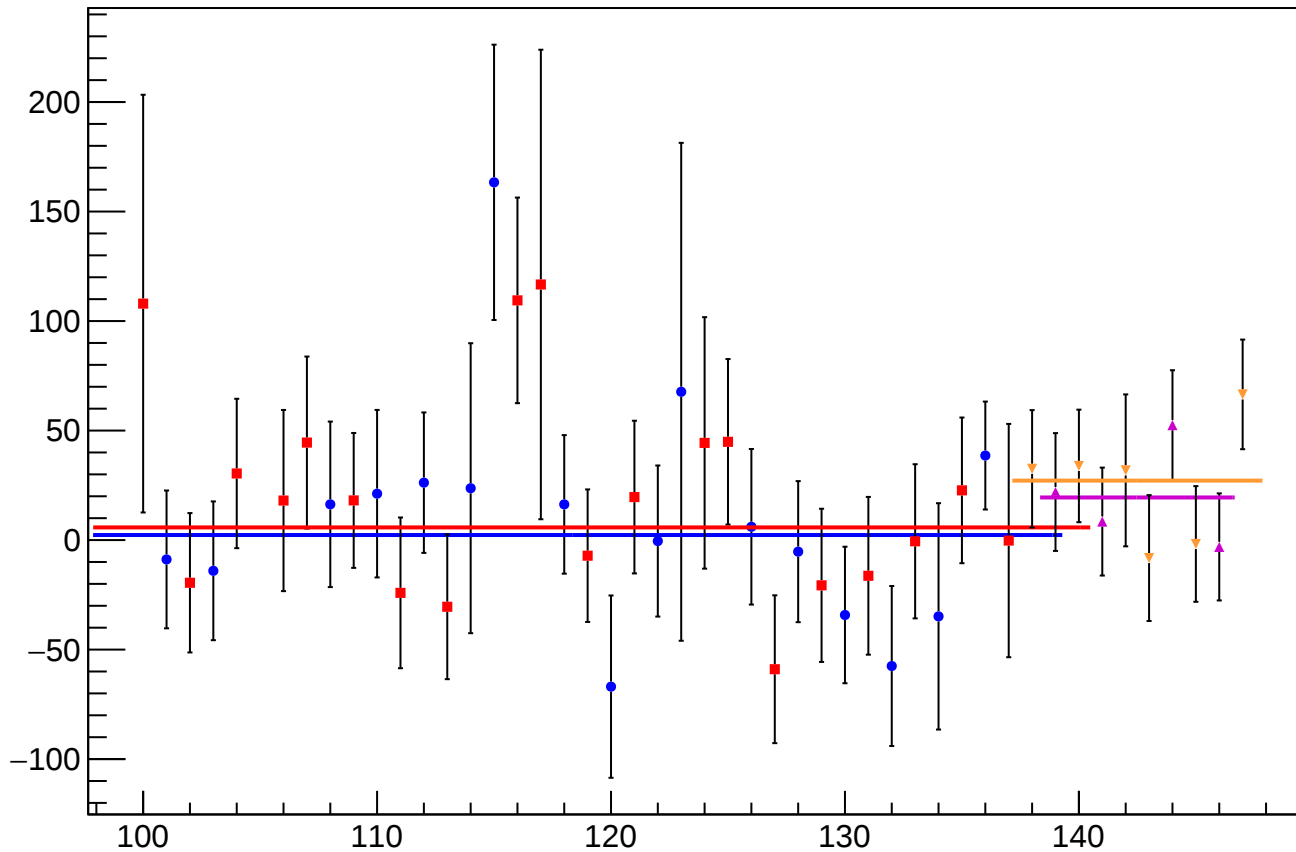
Left In: 245.294 $\pm$ 0.098 χ^2 /NDF:126113.4/3

213.407 $\pm$ 0.048 χ^2 /NDF: 1462107.9/22

200.650 $\pm$ 0.033 χ^2 /NDF: 3638527.6/46

189.710 $\pm$ 0.045 χ^2 /NDF: 2046234.0/23

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 $\pm$ 8.805 χ^2 /NDF: 18.1/16

Left Out: 27.157 $\pm$ 11.195 χ^2 /NDF: 5.3/5

Right Out: 5.783 $\pm$ 8.453 χ^2 /NDF: 18.2/19

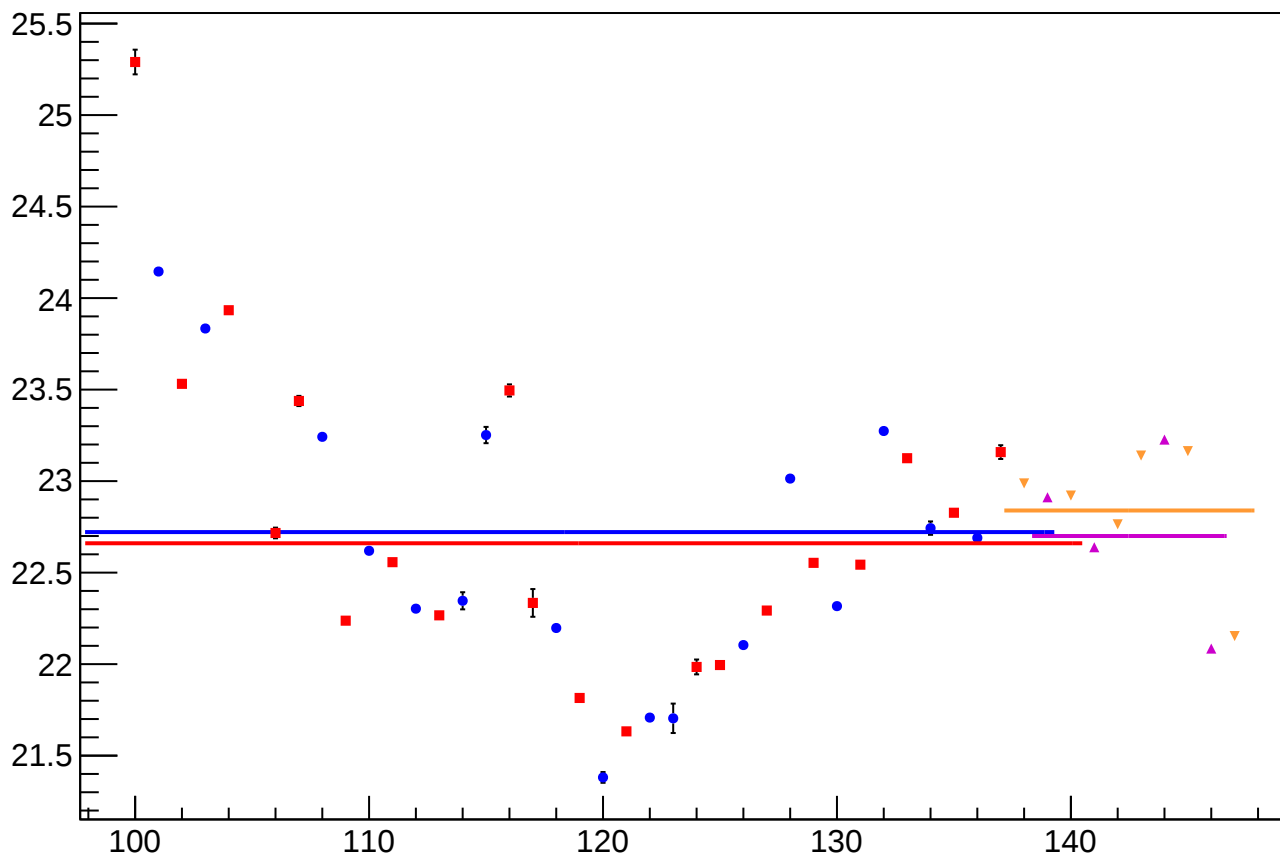
Left In: 19.460 $\pm$ 12.605 χ^2 /NDF: 2.8/3

11.804 $\pm$ 6.921 χ^2 /NDF: 26.5/22

10.928 $\pm$ 4.929 χ^2 /NDF: 48.3/46

10.025 $\pm$ 7.021 χ^2 /NDF: 21.8/23

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 ± 0.006 $\chi^2/\text{NDF}: 13580.6/16$

Left Out: 22.840 ± 0.008 $\chi^2/\text{NDF}: 2113.5/5$

Right Out: 22.660 ± 0.006 $\chi^2/\text{NDF}: 12974.2/19$

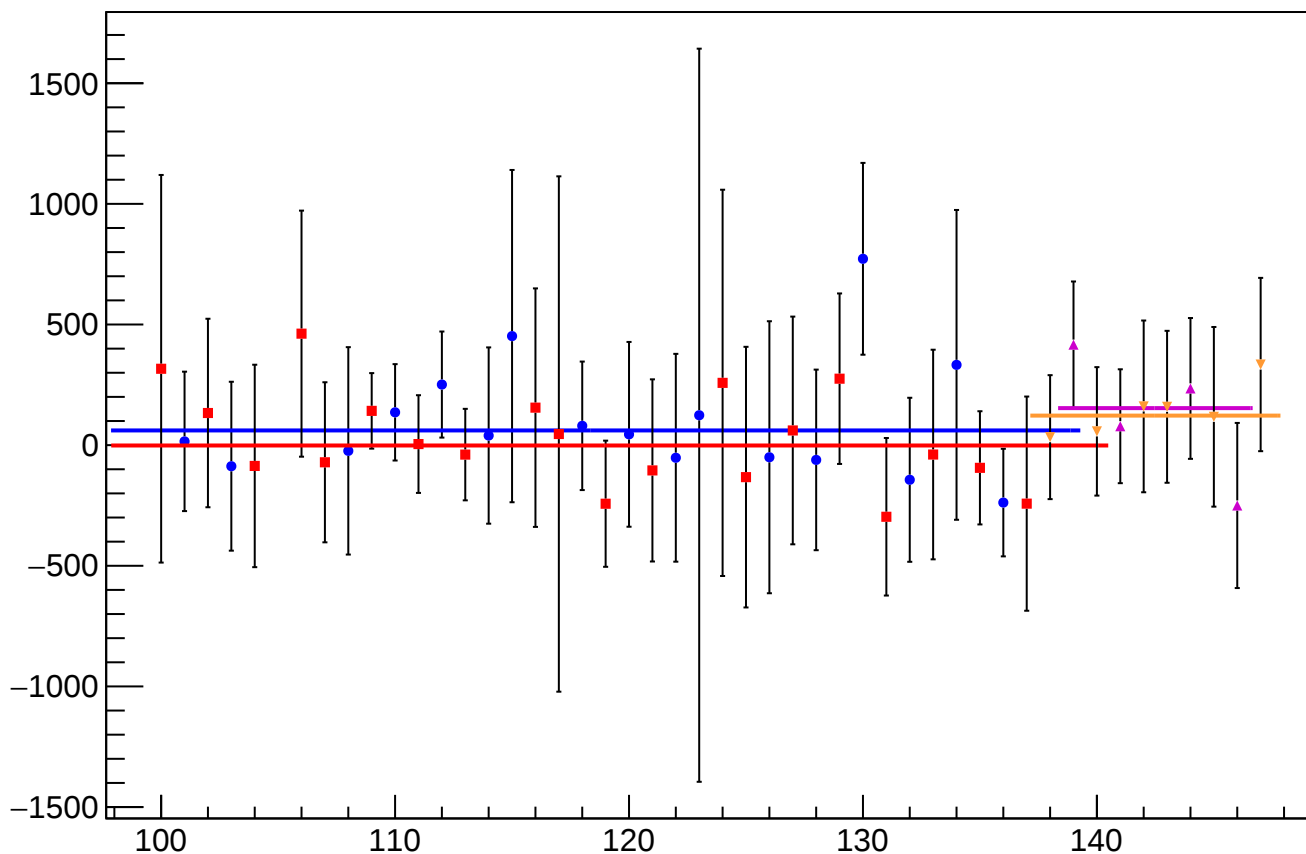
Left In: 22.700 ± 0.009 $\chi^2/\text{NDF}: 2284.8/3$

22.767 ± 0.005 $\chi^2/\text{NDF}: 15831.3/22$

22.720 ± 0.003 $\chi^2/\text{NDF}: 31285.5/46$

22.673 ± 0.005 $\chi^2/\text{NDF}: 15272.7/23$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 122.427 $\pm$ 126.784 χ^2 /NDF: 0.6/5

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

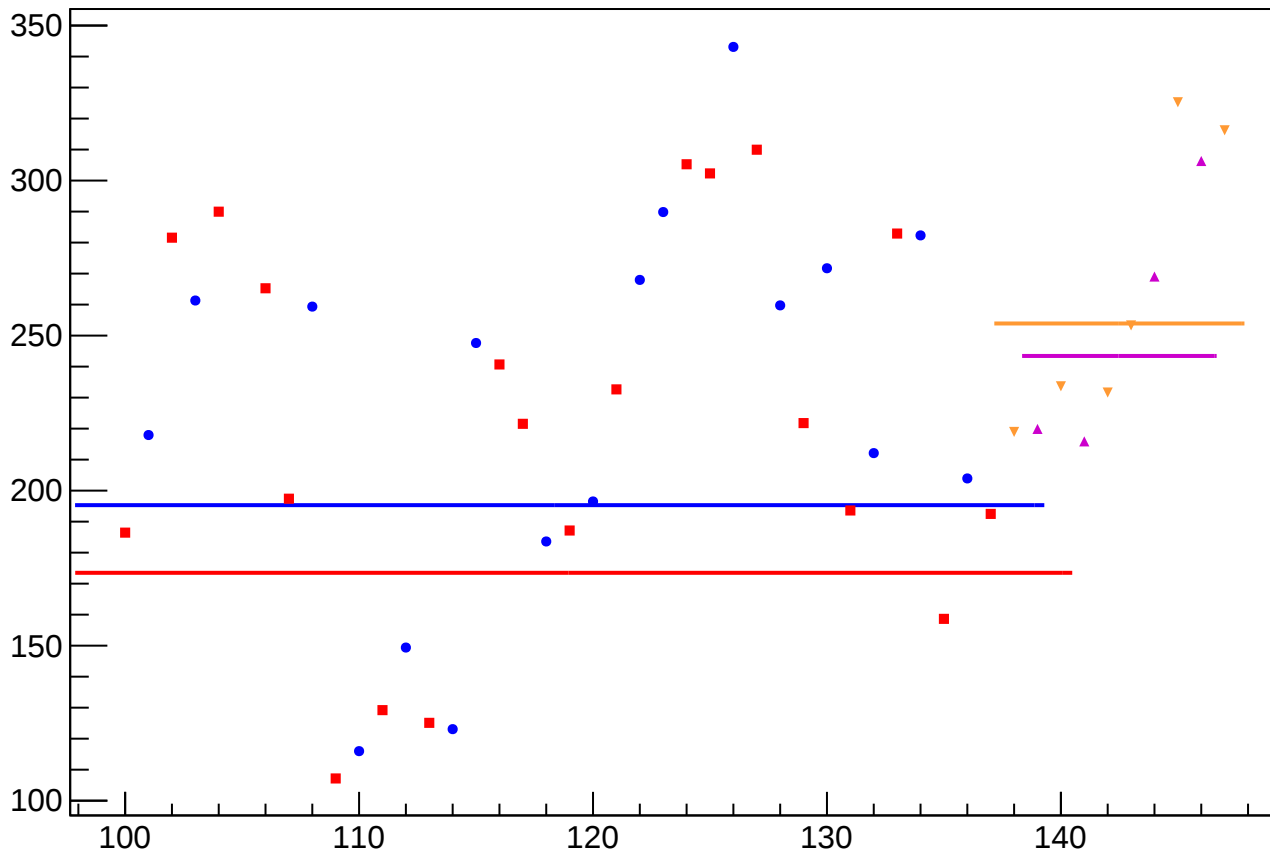
Left In: 153.439 $\pm$ 137.594 χ^2 /NDF: 2.6/3

78.526 $\pm$ 67.776 χ^2 /NDF: 7.9/22

52.738 $\pm$ 46.014 χ^2 /NDF: 17.0/46

30.690 $\pm$ 62.670 χ^2 /NDF: 8.8/23

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 253.906+/-0.090 χ^2/NDF :190143.1/5

Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

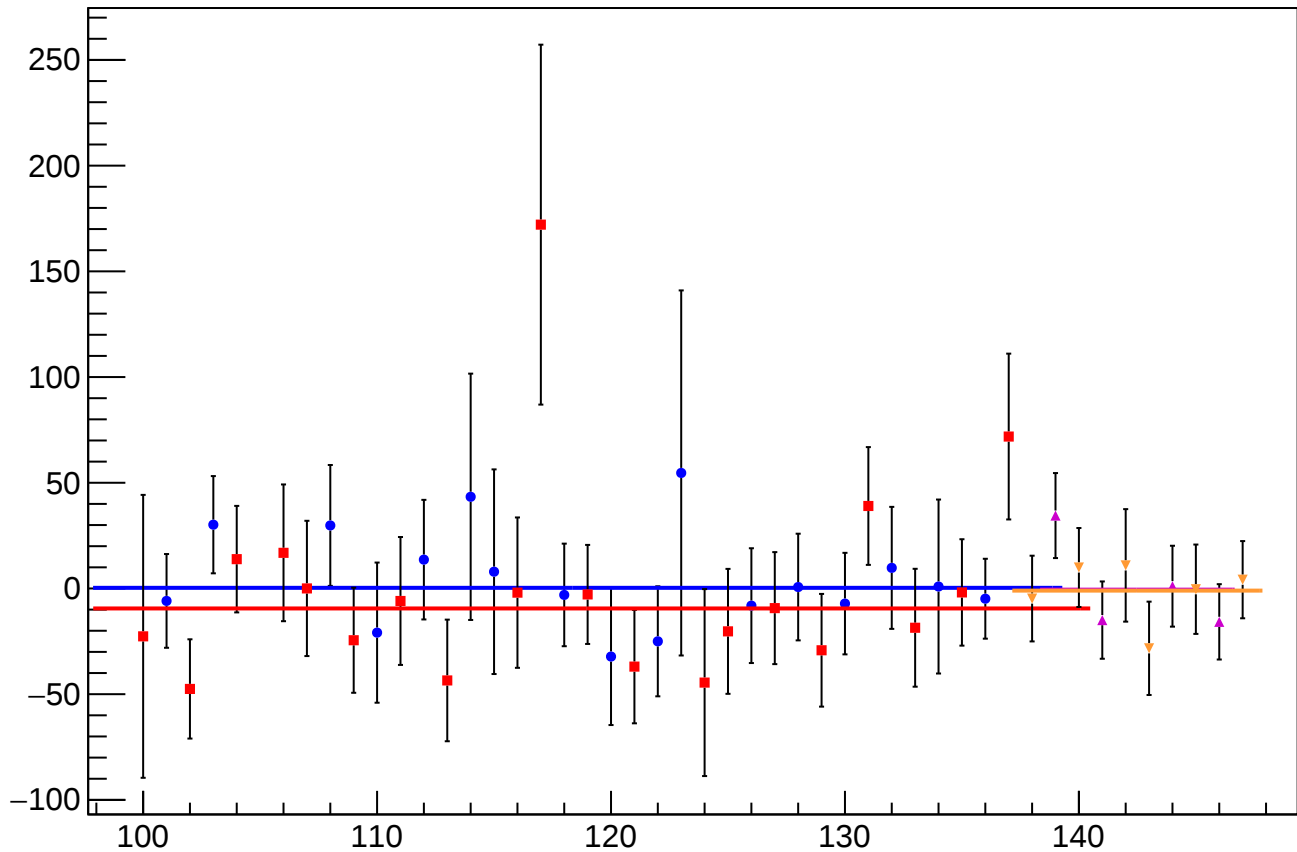
Left In: 243.435+/-0.097 χ^2/NDF :126342.4/3

212.059+/-0.048 χ^2/NDF : 1499420.8/22

199.091+/-0.033 χ^2/NDF : 3753583.9/46

188.004+/-0.044 χ^2/NDF : 2118345.2/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: -1.010 ± 8.450 χ^2/NDF : 2.2/5

Right Out: -9.452 ± 6.608 χ^2/NDF : 20.6/19

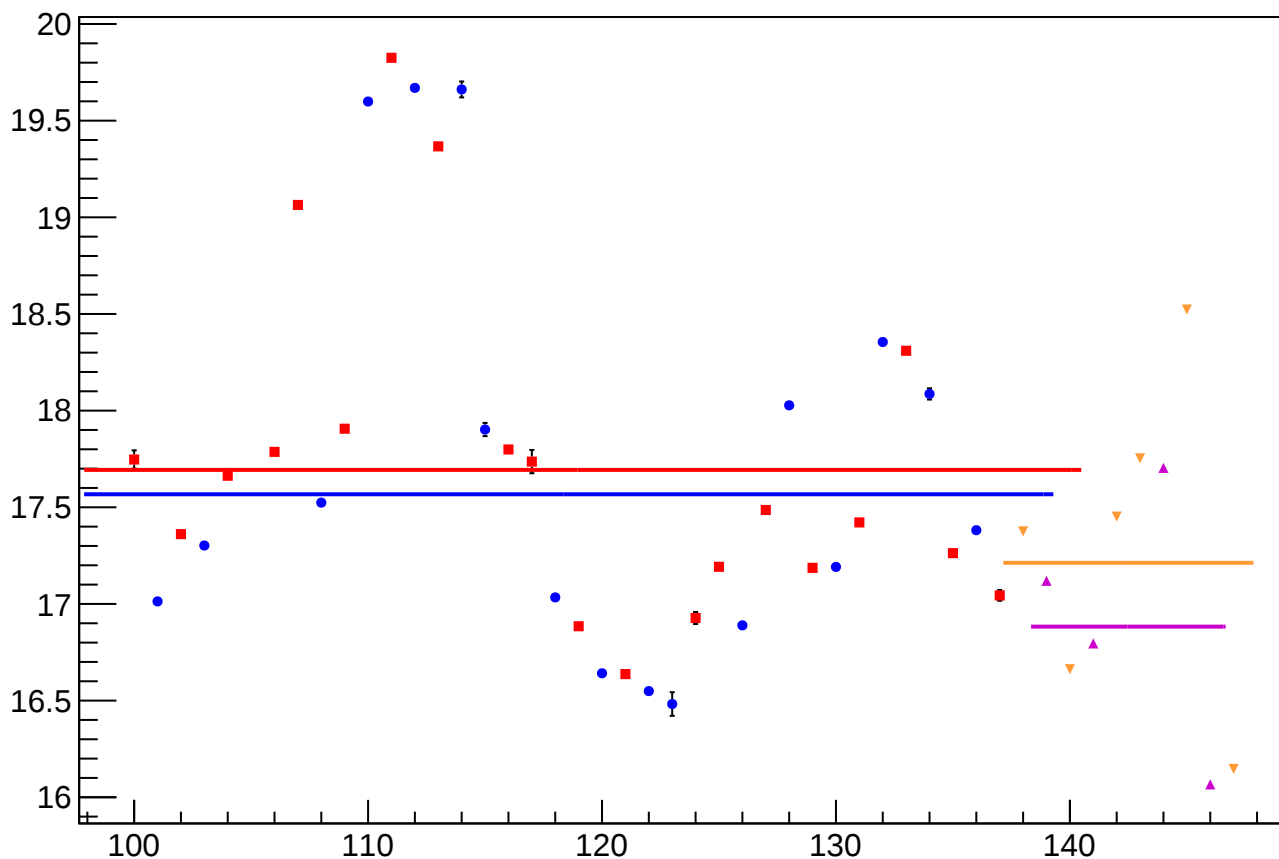
Left In: -0.550 ± 9.388 χ^2/NDF : 4.4/3

-0.213 ± 5.304 χ^2/NDF : 9.0/22

-3.299 ± 3.785 χ^2/NDF : 35.3/46

-6.503 ± 5.404 χ^2/NDF : 25.6/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 $\pm$ 0.005 χ^2/NDF : 33145.0/16

Left Out: 17.213 $\pm$ 0.006 χ^2/NDF : 17732.7/5

Right Out: 17.693 $\pm$ 0.005 χ^2/NDF : 30767.6/19

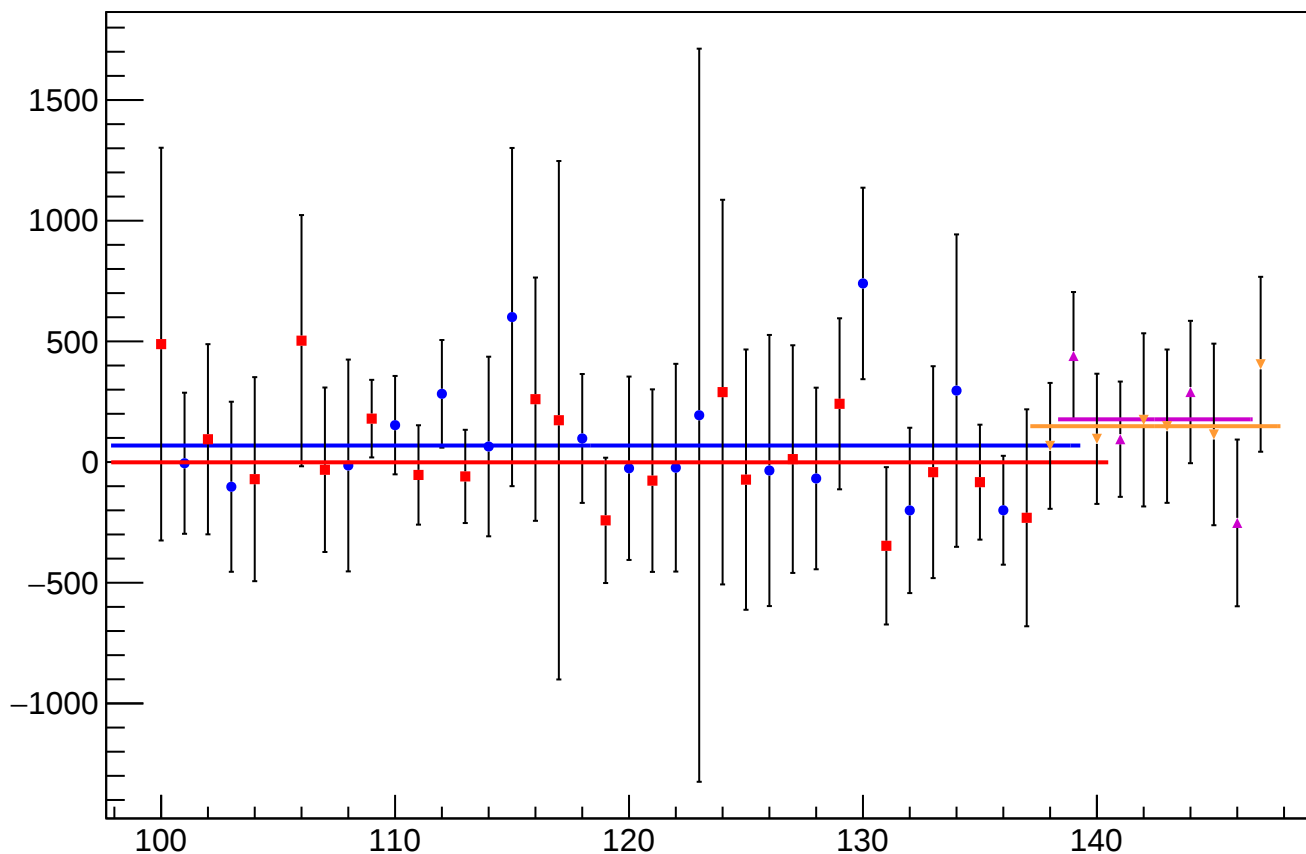
Left In: 16.883 $\pm$ 0.007 χ^2/NDF : 8202.0/3

17.428 $\pm$ 0.004 χ^2/NDF : 53012.5/22

17.426 $\pm$ 0.003 χ^2/NDF : 101958.9/46

17.425 $\pm$ 0.004 χ^2/NDF : 48946.1/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 148.617+/-128.232 χ^2/NDF : 0.7/5

Right Out: -1.057+/-71.380 χ^2/NDF : 6.1/19

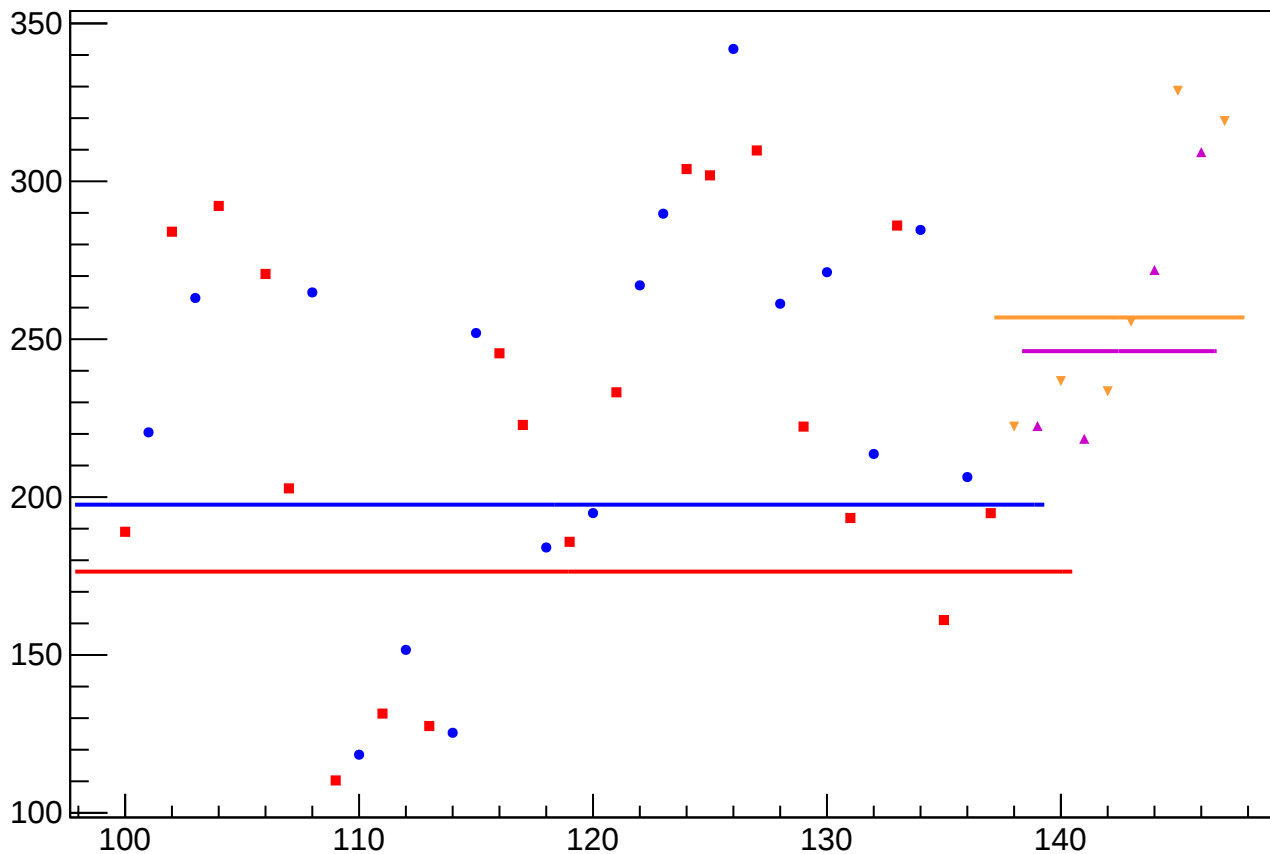
Left In: 177.075+/-139.132 χ^2/NDF : 2.8/3

91.395+/-68.493 χ^2/NDF : 8.2/22

61.641+/-46.570 χ^2/NDF : 18.8/46

36.059+/-63.509 χ^2/NDF : 10.2/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 256.888 $\pm$ 0.091 χ^2 /NDF:186552.4/5

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

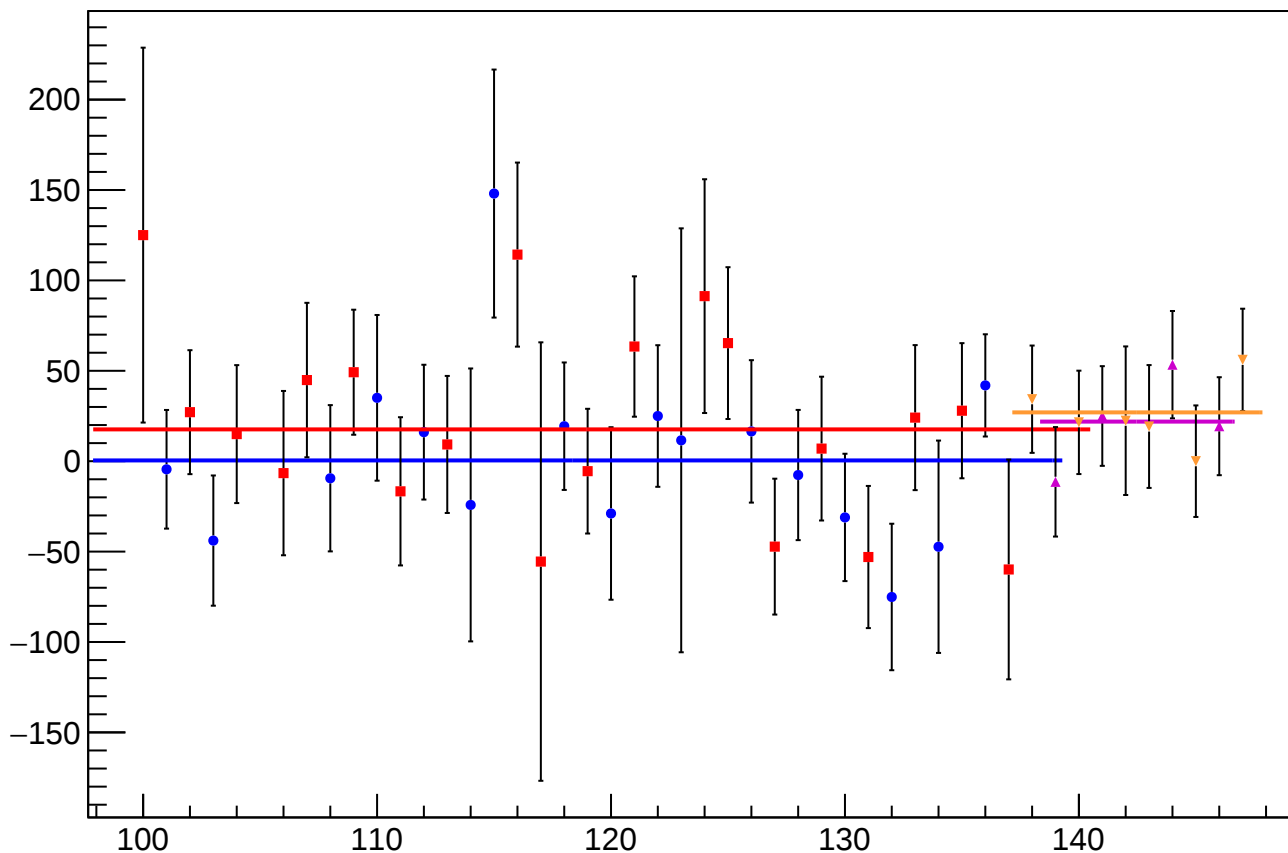
Left In: 246.218 $\pm$ 0.098 χ^2 /NDF:124822.4/3

214.517 $\pm$ 0.048 χ^2 /NDF: 1460902.8/22

201.847 $\pm$ 0.033 χ^2 /NDF: 3635203.8/46

190.953 $\pm$ 0.045 χ^2 /NDF: 2047017.3/23

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 26.999 ± 12.785 $\chi^2/\text{NDF}: 2.0/5$

Right Out: 17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

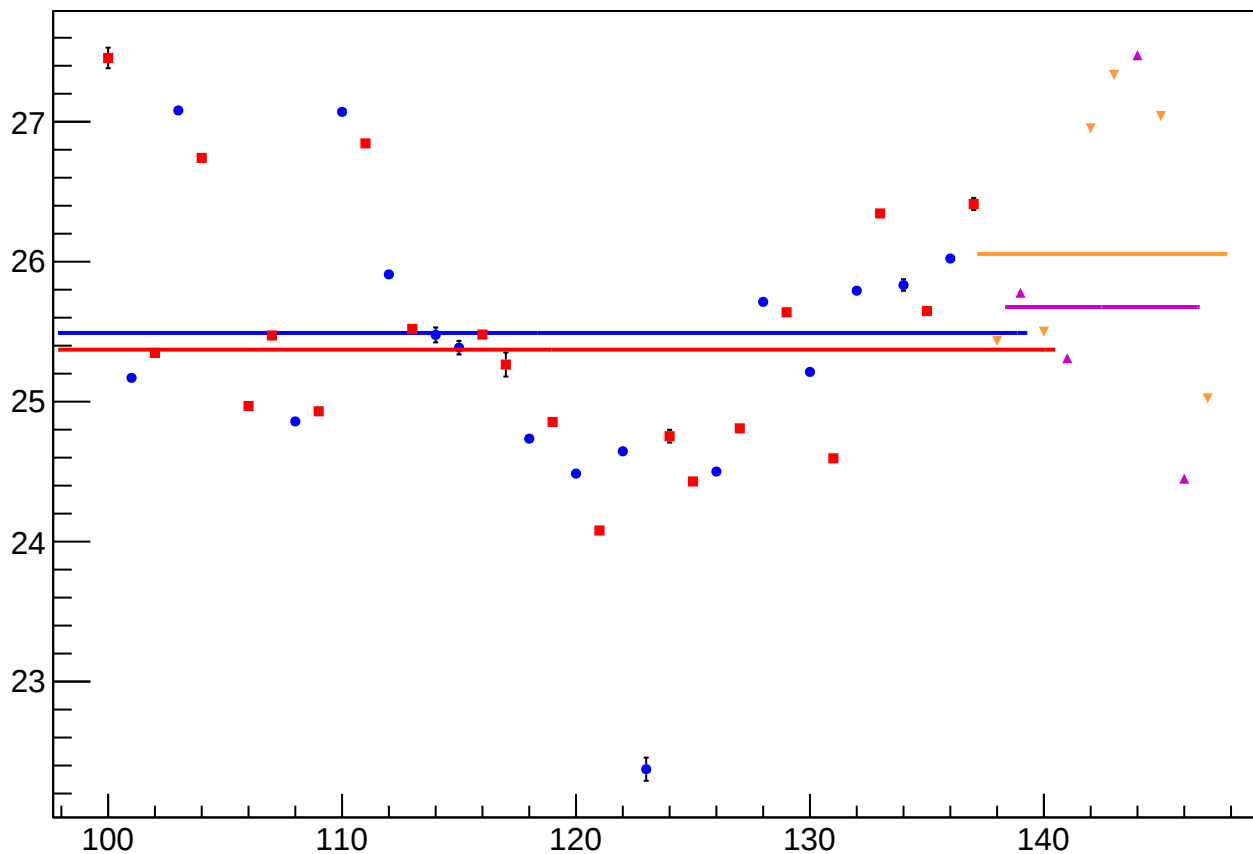
Left In: 21.899 ± 14.282 $\chi^2/\text{NDF}: 2.4/3$

10.368 ± 7.820 $\chi^2/\text{NDF}: 20.1/22$

14.599 ± 5.555 $\chi^2/\text{NDF}: 43.0/46$

18.909 ± 7.892 $\chi^2/\text{NDF}: 22.3/23$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2/NDF : 13713.0/16

Left Out: 26.056 $\pm$ 0.009 χ^2/NDF : 10121.0/5

Right Out: 25.372 $\pm$ 0.007 χ^2/NDF : 13552.0/19

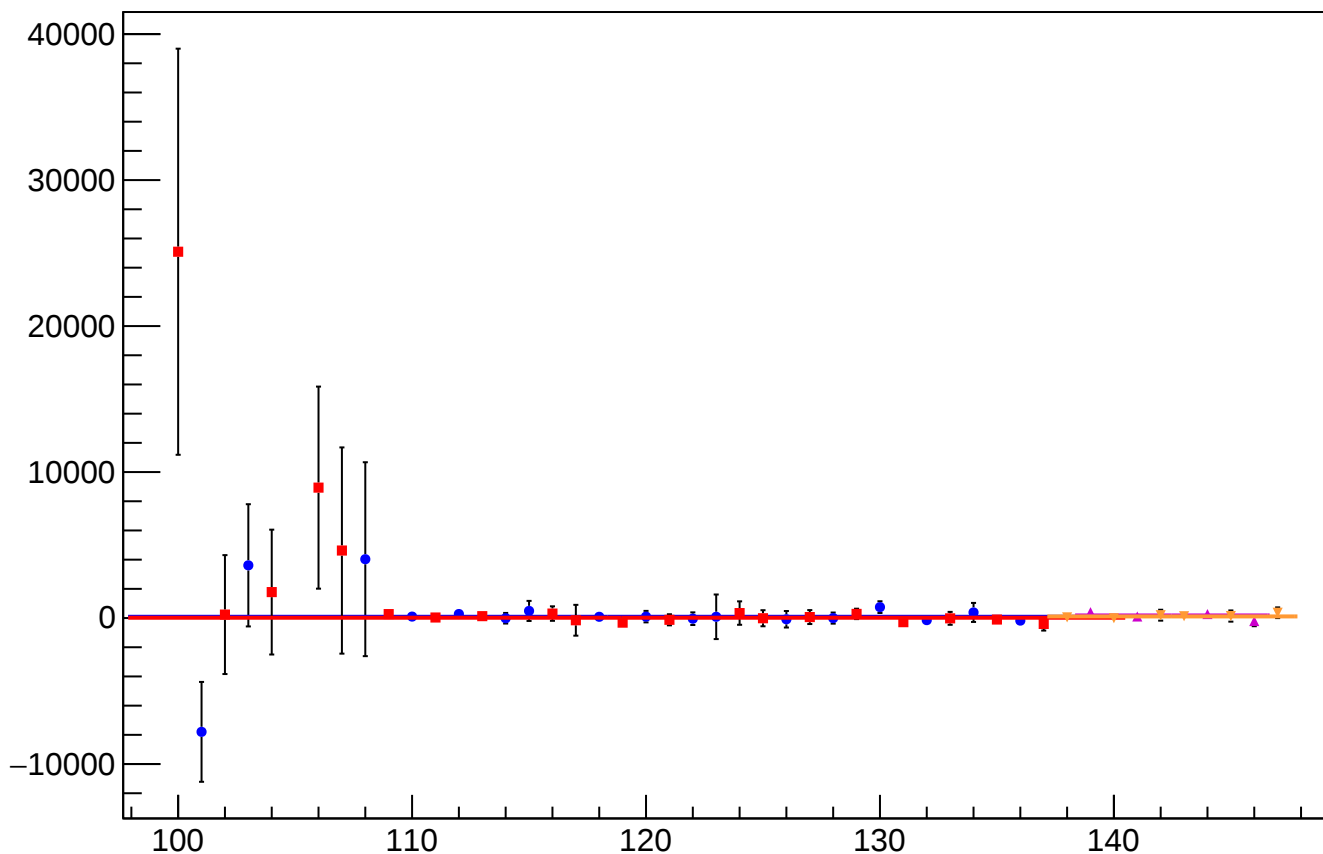
Left In: 25.676 $\pm$ 0.010 χ^2/NDF : 11815.5/3

25.702 $\pm$ 0.006 χ^2/NDF : 26276.6/22

25.584 $\pm$ 0.004 χ^2/NDF : 53190.6/46

25.465 $\pm$ 0.006 χ^2/NDF : 25999.6/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 111.269+/-128.990 χ^2/NDF : 0.8/5

Right Out: 22.332+/-80.711 χ^2/NDF : 11.9/19

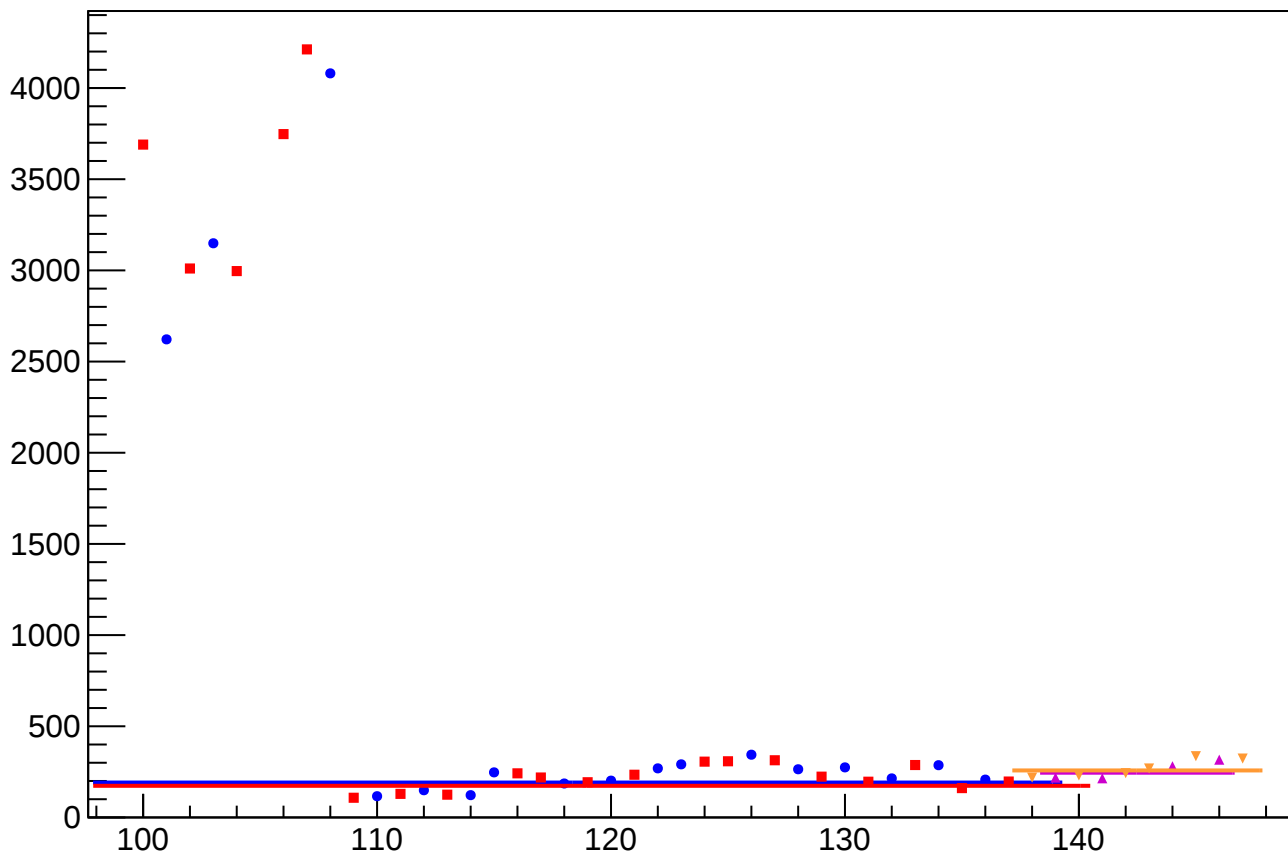
Left In: 178.660+/-139.155 χ^2/NDF : 2.1/3

94.458+/-72.932 χ^2/NDF : 13.3/22

77.356+/-50.434 χ^2/NDF : 28.4/46

61.684+/-69.818 χ^2/NDF : 15.0/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 257.817+/-0.091 χ^2/NDF :220604.4/5

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

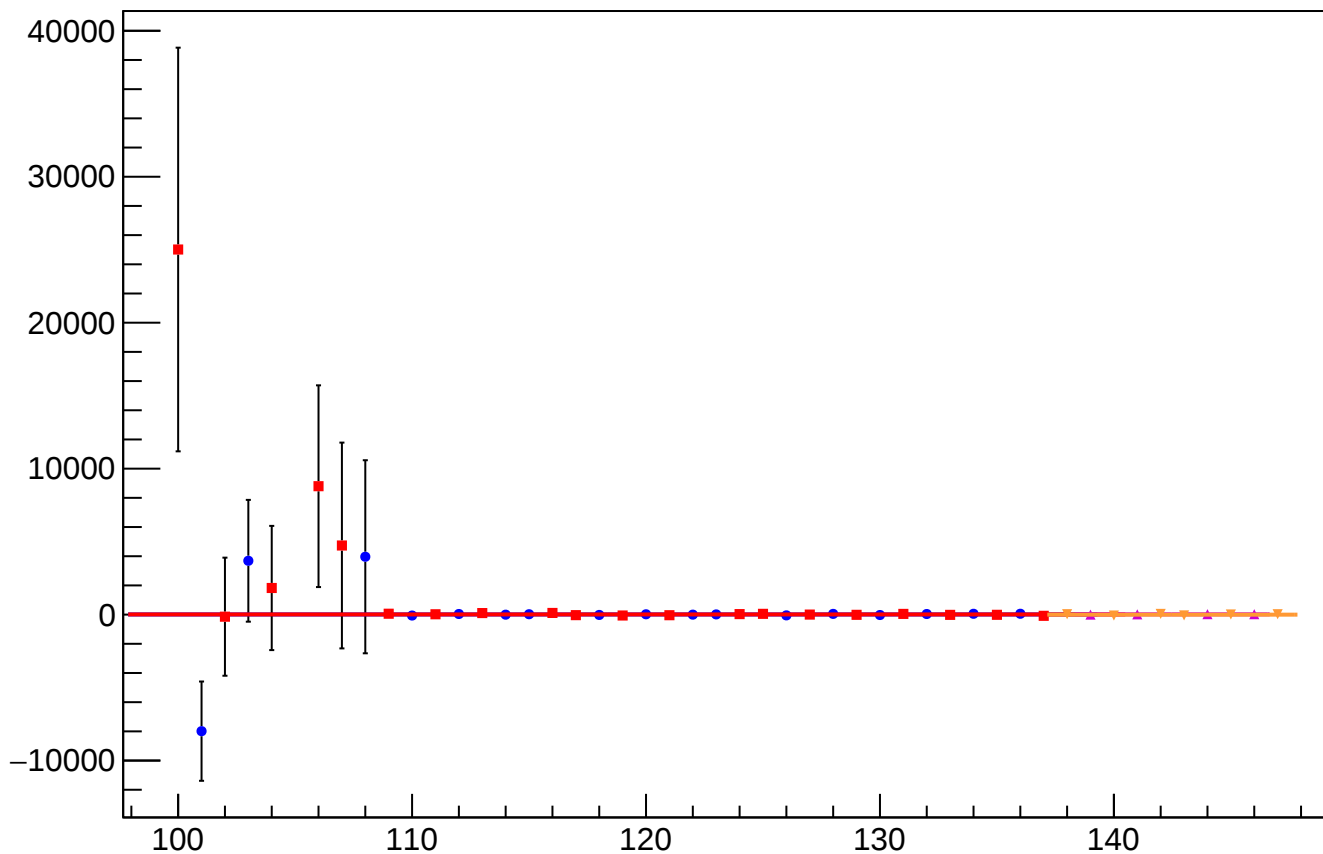
Left In: 245.422+/-0.098 χ^2/NDF :164189.2/3

212.686+/-0.052 χ^2/NDF : 4153639.1/22

201.711+/-0.036 χ^2/NDF : 9014833.6/46

191.653+/-0.049 χ^2/NDF : 4774402.6/23

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -3.507+/-14.824 χ^2/NDF : 7.8/5

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

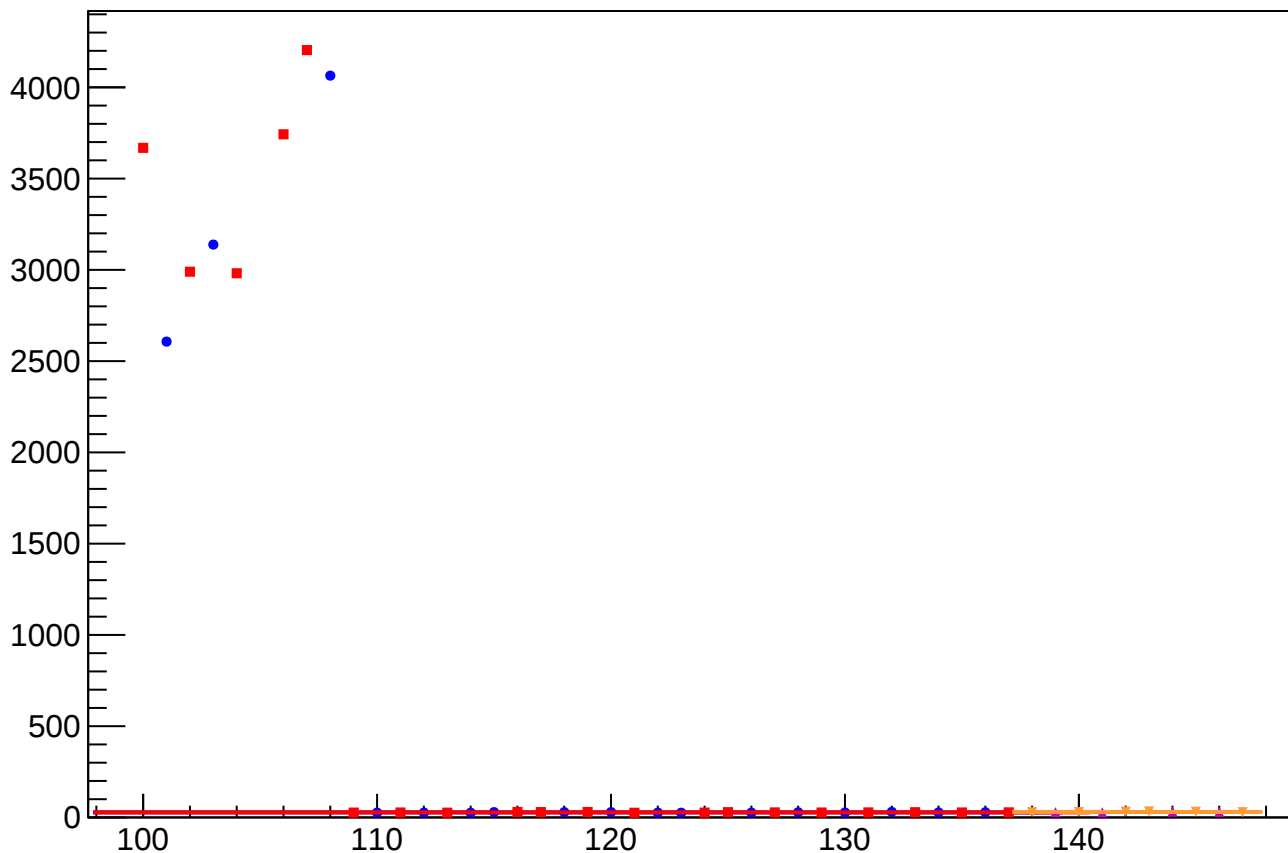
Left In: 19.343+/-16.641 χ^2/NDF : 0.5/3

4.671+/-9.458 χ^2/NDF : 26.7/22

9.518+/-6.816 χ^2/NDF : 52.8/46

14.756+/-9.832 χ^2/NDF : 25.5/23

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 30.131+/-0.010 χ^2/NDF : 18856.0/5

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

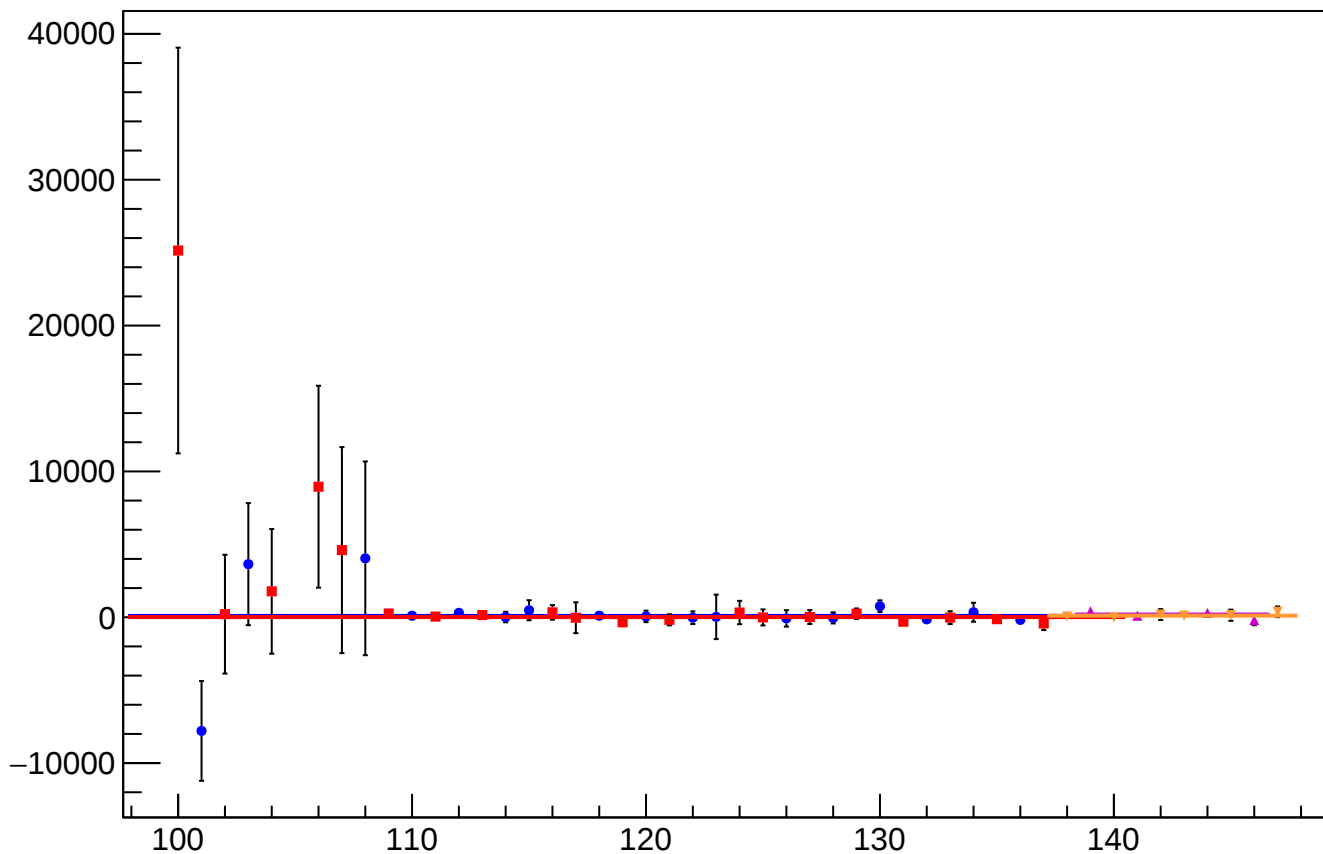
Left In: 29.877+/-0.012 χ^2/NDF : 17352.0/3

28.781+/-0.007 χ^2/NDF : 3074479.5/22

28.629+/-0.005 χ^2/NDF : 6592179.8/46

28.465+/-0.007 χ^2/NDF : 3516624.9/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: 109.744+/-128.696 χ^2/NDF : 0.9/5

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

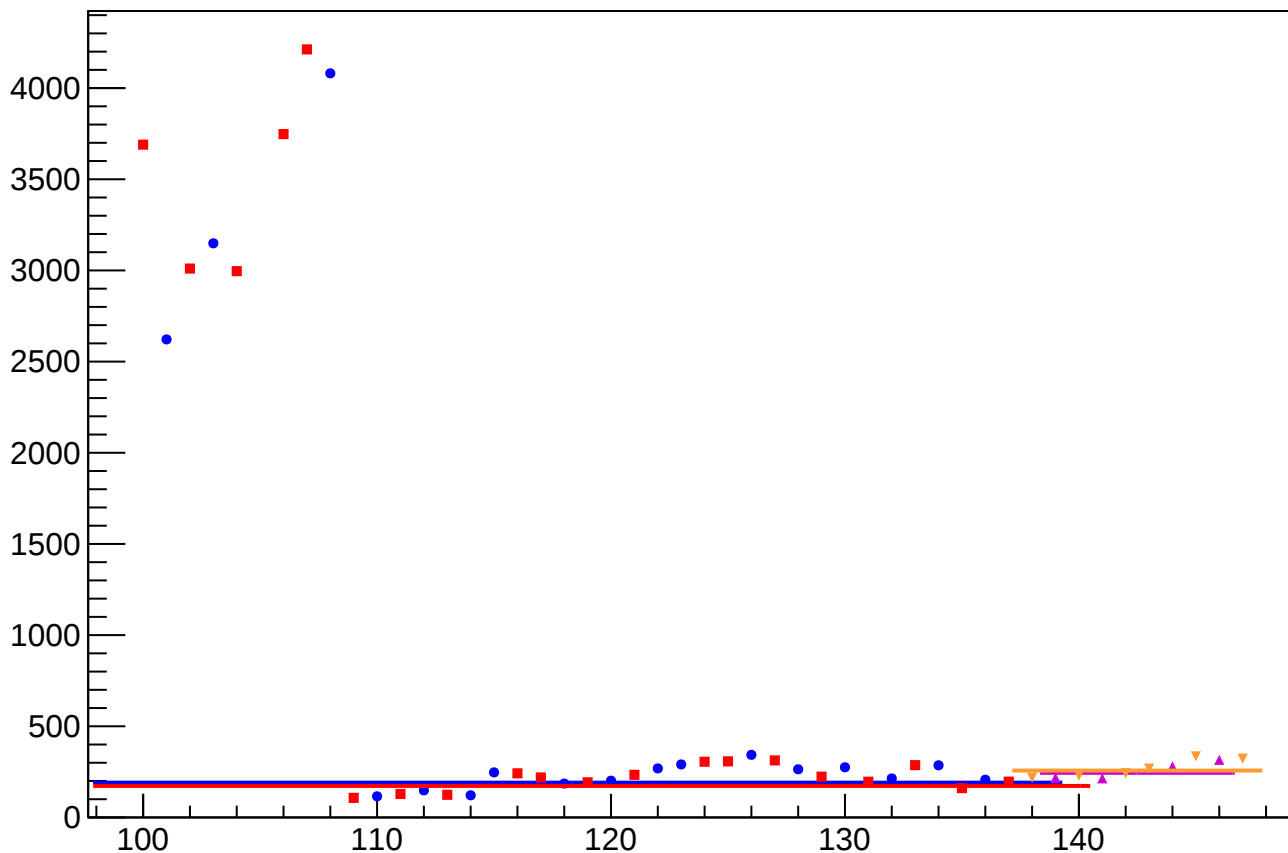
Left In: 185.500+/-138.860 χ^2/NDF : 2.1/3

96.831+/-72.725 χ^2/NDF : 13.6/22

75.736+/-50.288 χ^2/NDF : 29.8/46

56.408+/-69.613 χ^2/NDF : 15.9/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 257.224+/-0.091 χ^2/NDF : 220922.7/5

Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

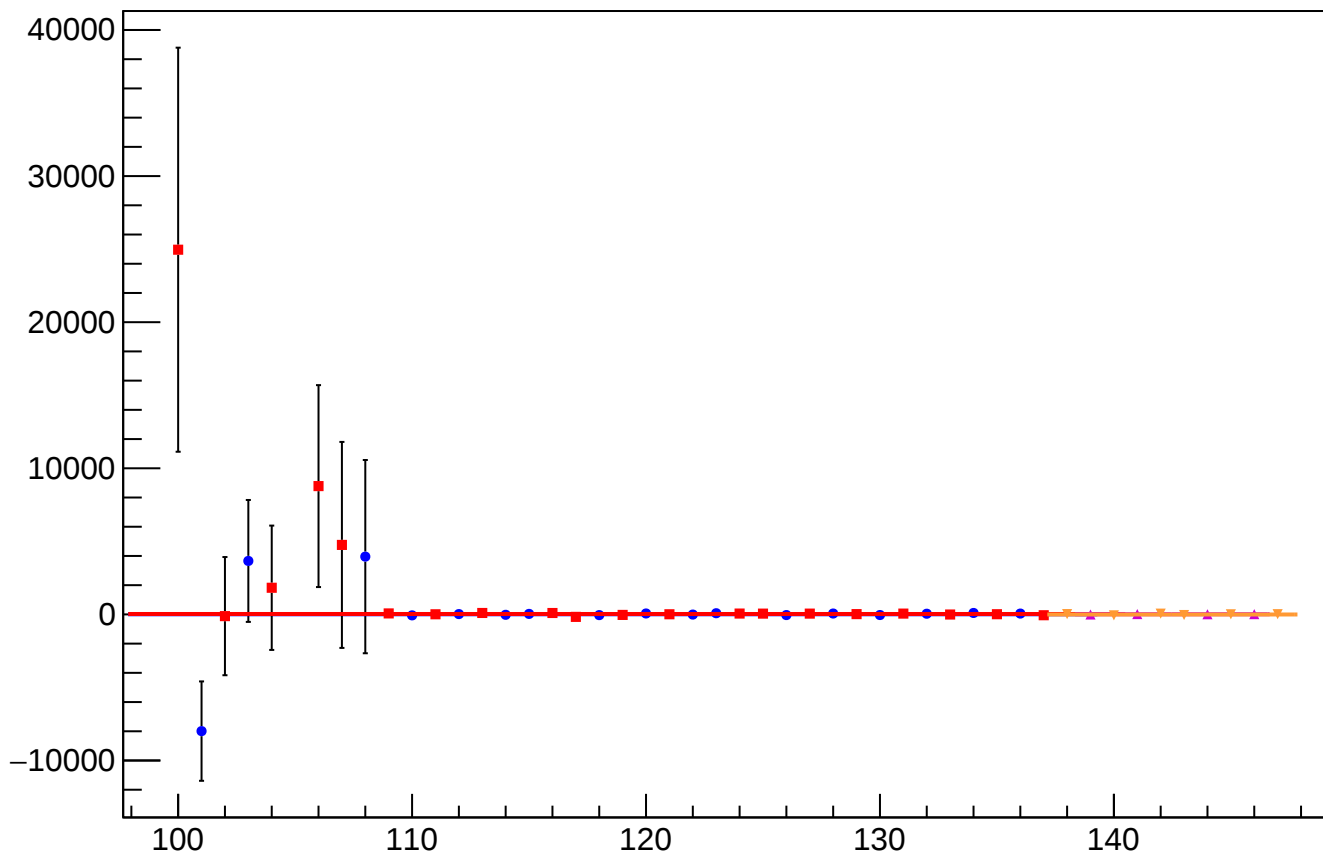
Left In: 244.902+/-0.098 χ^2/NDF : 164059.2/3

211.990+/-0.051 χ^2/NDF : 4168935.3/22

201.034+/-0.036 χ^2/NDF : 9045083.4/46

190.995+/-0.049 χ^2/NDF : 4789164.9/23

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -6.227 $\pm$ 14.926 χ^2 /NDF: 6.5/5

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

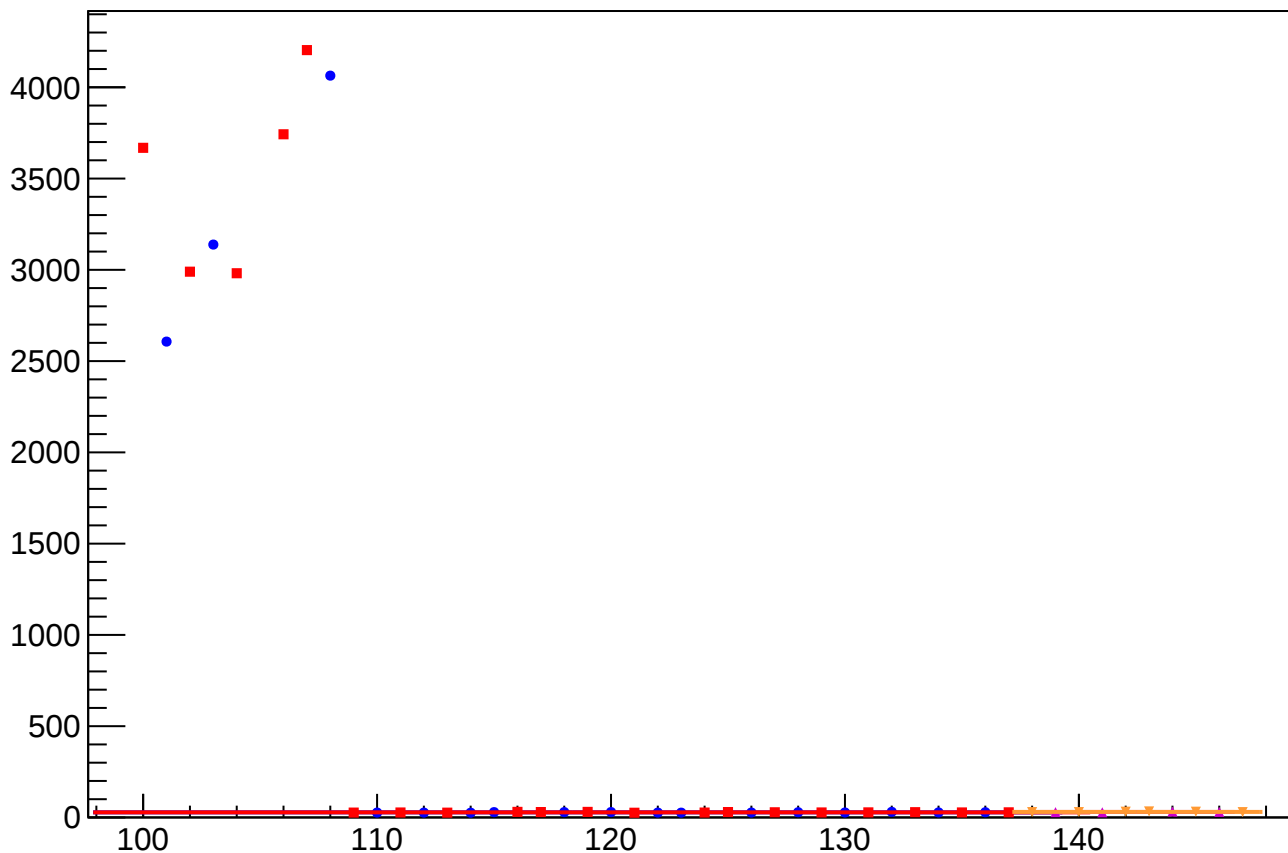
Left In: 11.824 $\pm$ 16.742 χ^2 /NDF: 0.4/3

2.564 $\pm$ 9.523 χ^2 /NDF: 30.2/22

12.030 $\pm$ 6.865 χ^2 /NDF: 52.1/46

22.272 $\pm$ 9.906 χ^2 /NDF: 19.8/23

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 30.335 $\pm$ 0.011 χ^2 /NDF:18628.4/5

Right Out: 27.930 $\pm$ 0.009 χ^2 /NDF: 3479947.6/19

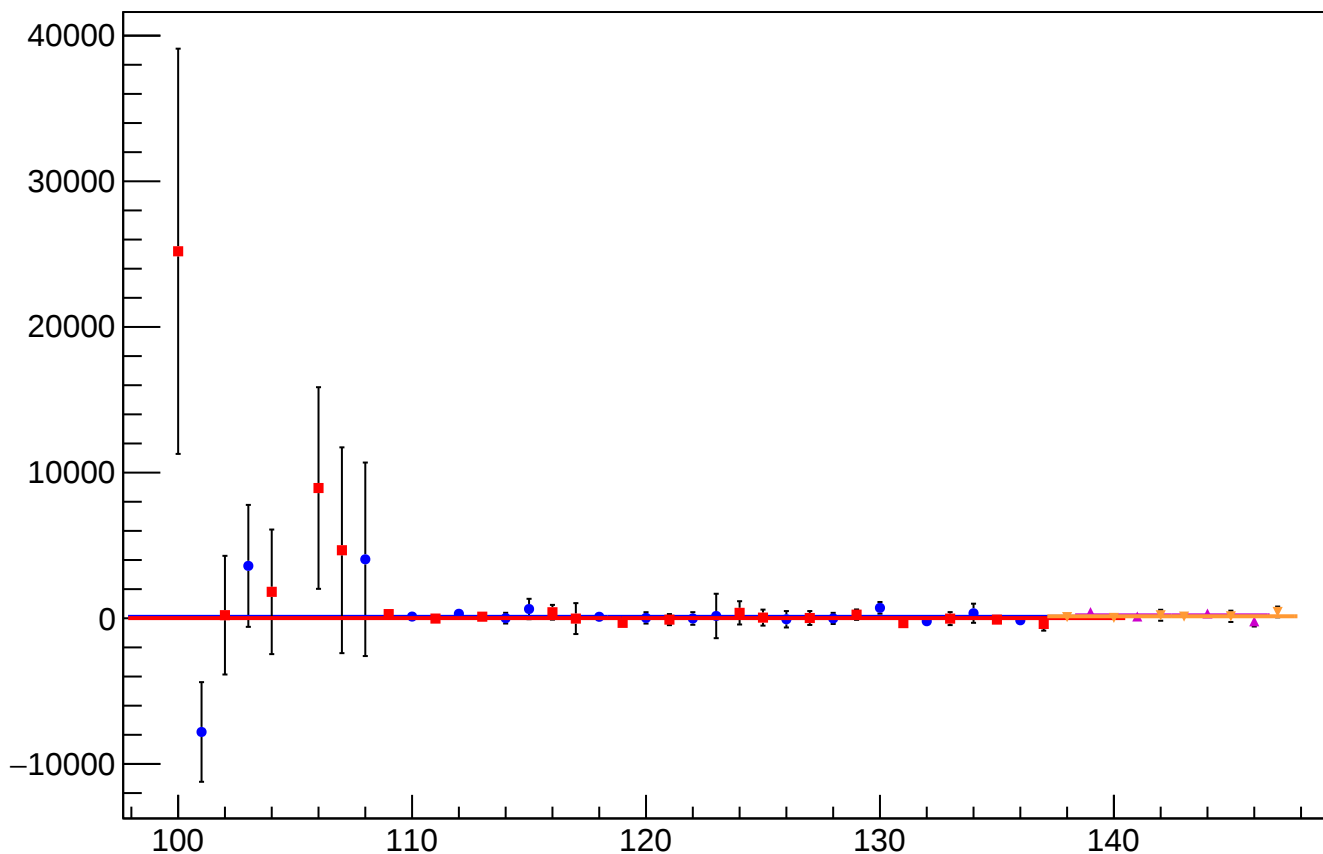
Left In: 30.053 $\pm$ 0.012 χ^2 /NDF:18937.1/3

28.977 $\pm$ 0.007 χ^2 /NDF: 3074468.1/22

28.831 $\pm$ 0.005 χ^2 /NDF: 6595223.4/46

28.673 $\pm$ 0.007 χ^2 /NDF: 3519779.1/23

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 137.522+/-130.431 χ^2/NDF : 0.9/5

Right Out: 11.533+/-81.530 χ^2/NDF : 12.3/19

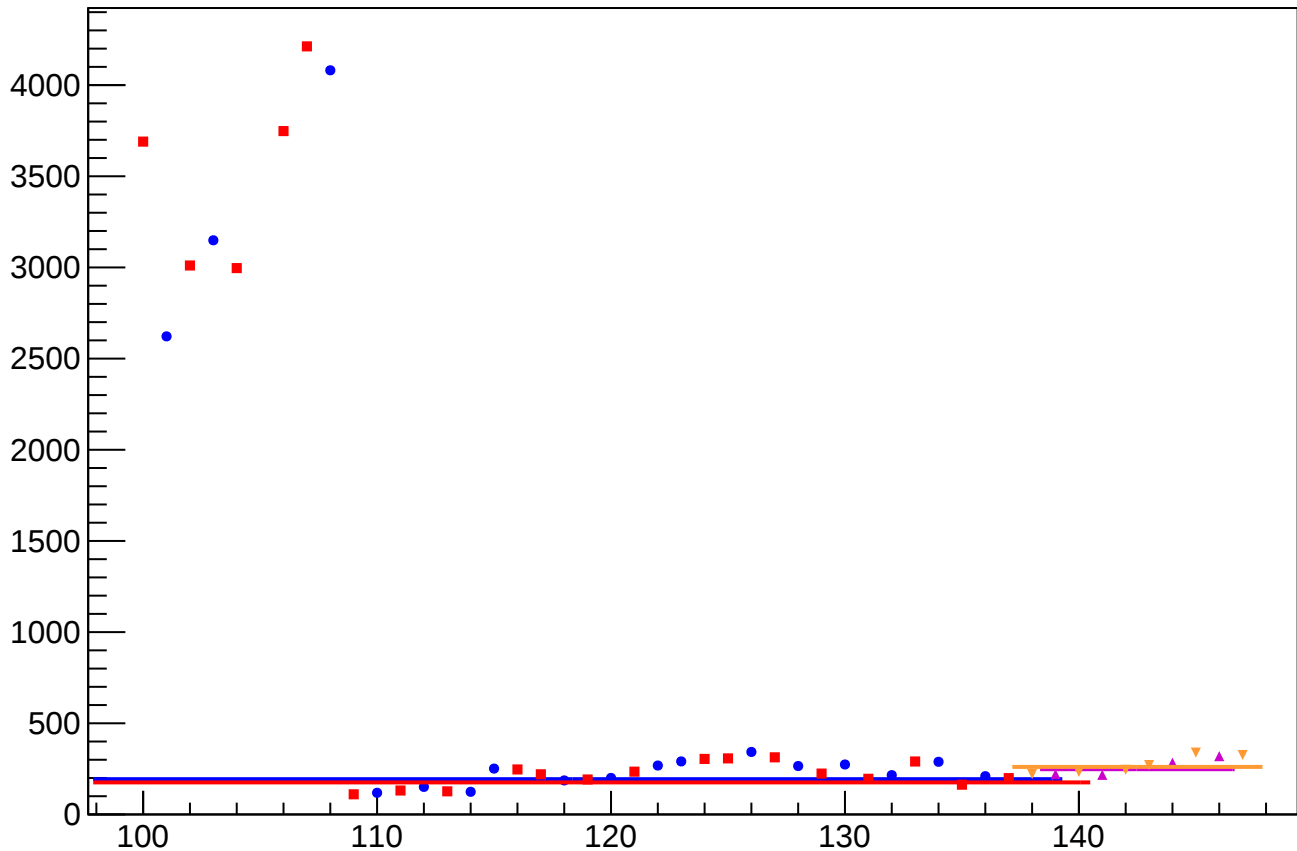
Left In: 200.908+/-140.667 χ^2/NDF : 2.3/3

110.692+/-73.630 χ^2/NDF : 13.5/22

83.818+/-50.936 χ^2/NDF : 29.7/46

59.154+/-70.539 χ^2/NDF : 16.0/23

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 260.794+/-0.092 χ^2/NDF : 216020.6/5

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

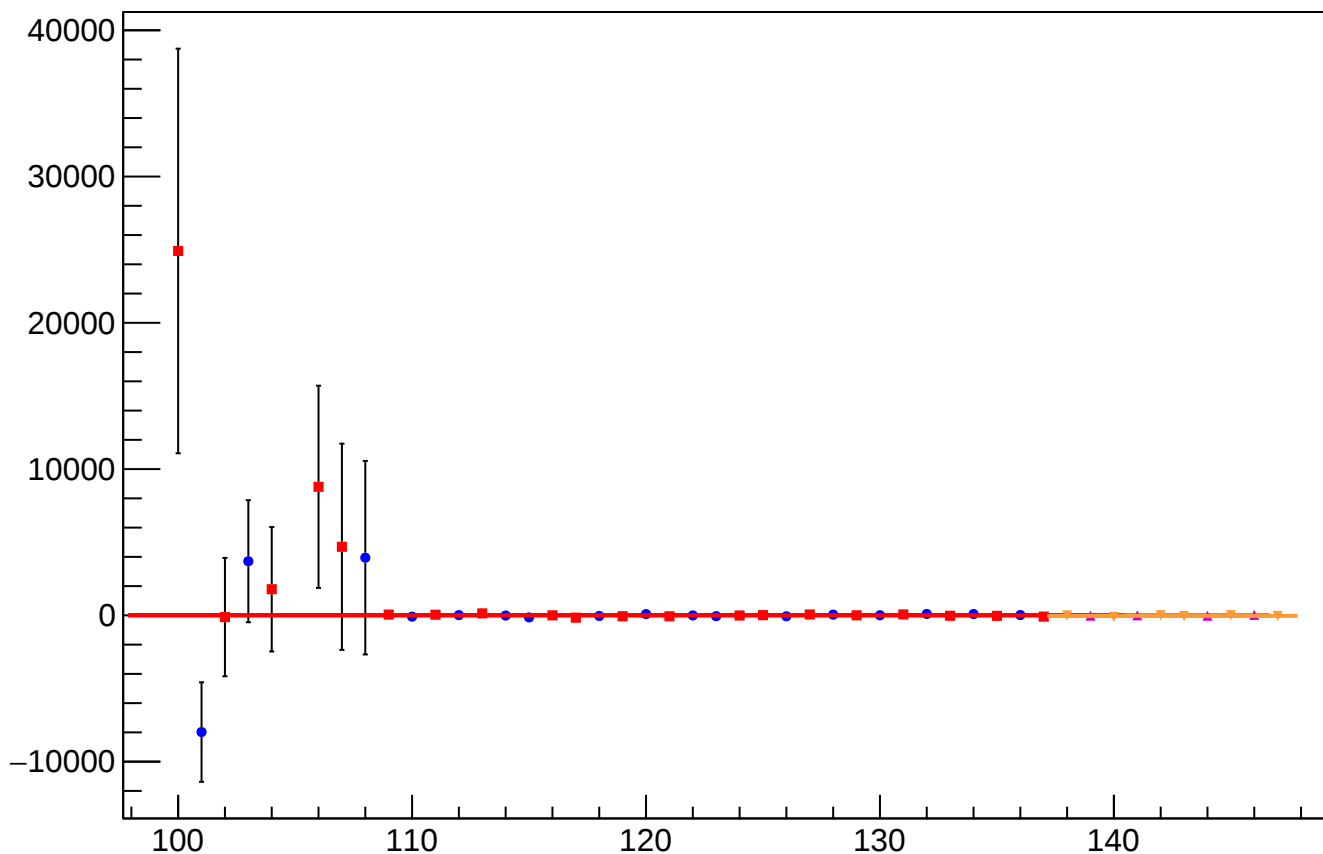
Left In: 248.156+/-0.099 χ^2/NDF : 162291.2/3

214.956+/-0.052 χ^2/NDF : 4115517.8/22

204.016+/-0.036 χ^2/NDF : 8927997.9/46

193.975+/-0.050 χ^2/NDF : 4727800.5/23

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -33.526 $\pm$ 17.643 χ^2 /NDF: 5.7/5

Right Out: 10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

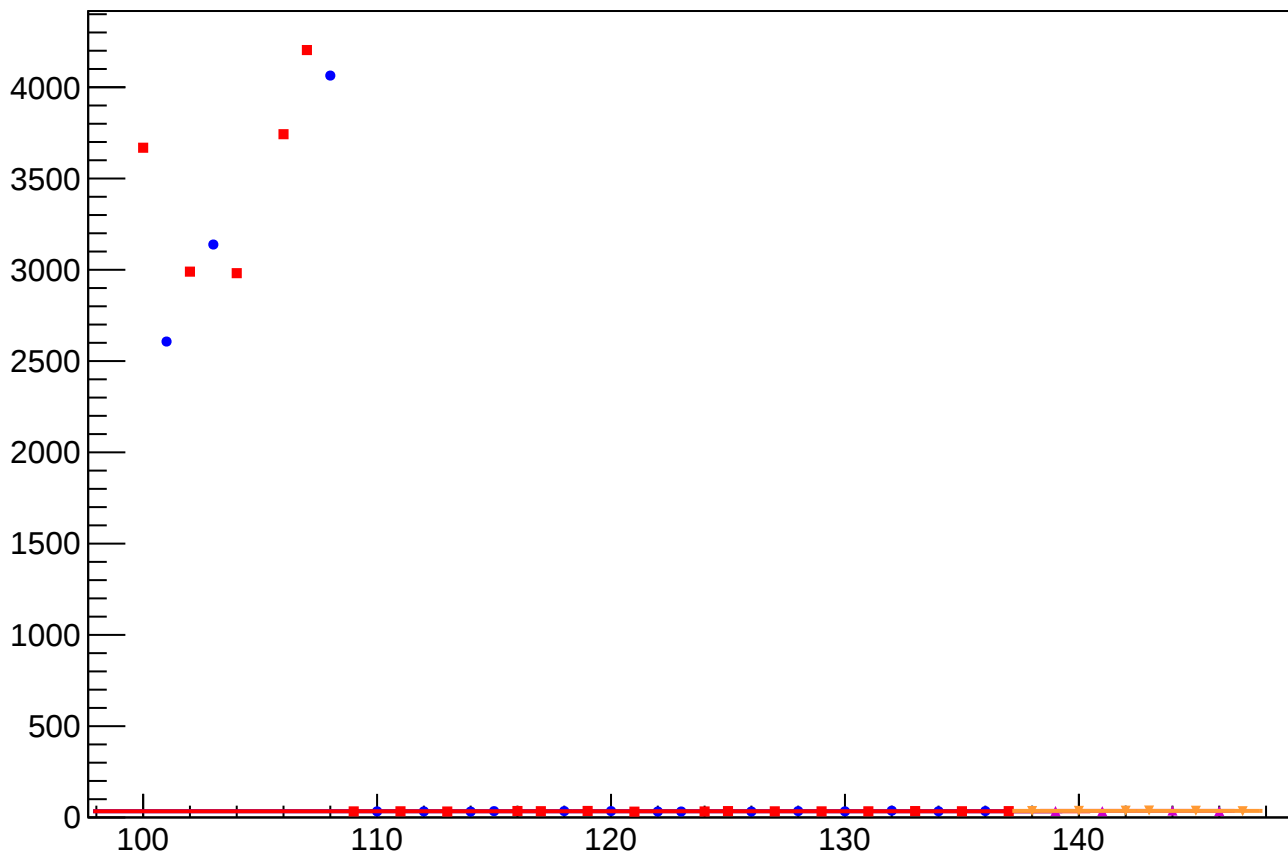
Left In: 0.373 $\pm$ 19.844 χ^2 /NDF: 1.3/3

-10.902 $\pm$ 11.451 χ^2 /NDF: 29.0/22

-2.289 $\pm$ 8.255 χ^2 /NDF: 54.6/46

7.028 $\pm$ 11.910 χ^2 /NDF: 24.5/23

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168+/-0.011 χ^2/NDF : 3006512.8/16

Left Out: 35.921+/-0.012 χ^2/NDF :10535.0/5

Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

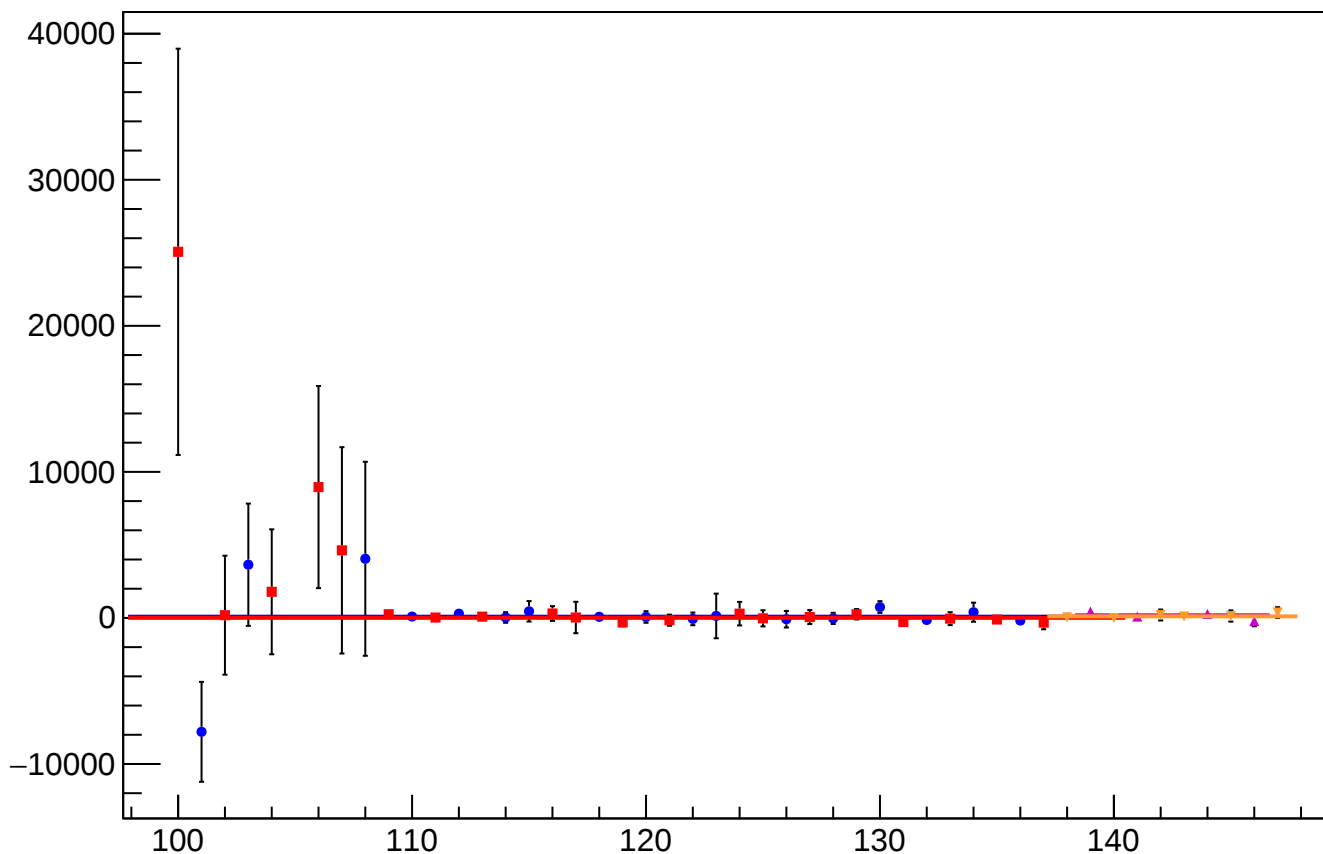
Left In: 35.690+/-0.014 χ^2/NDF :5989.3/3

34.906+/-0.008 χ^2/NDF : 3028480.5/22

34.737+/-0.006 χ^2/NDF : 6497529.2/46

34.555+/-0.008 χ^2/NDF : 3468144.9/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 108.639+/-129.373 χ^2/NDF : 0.8/5

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

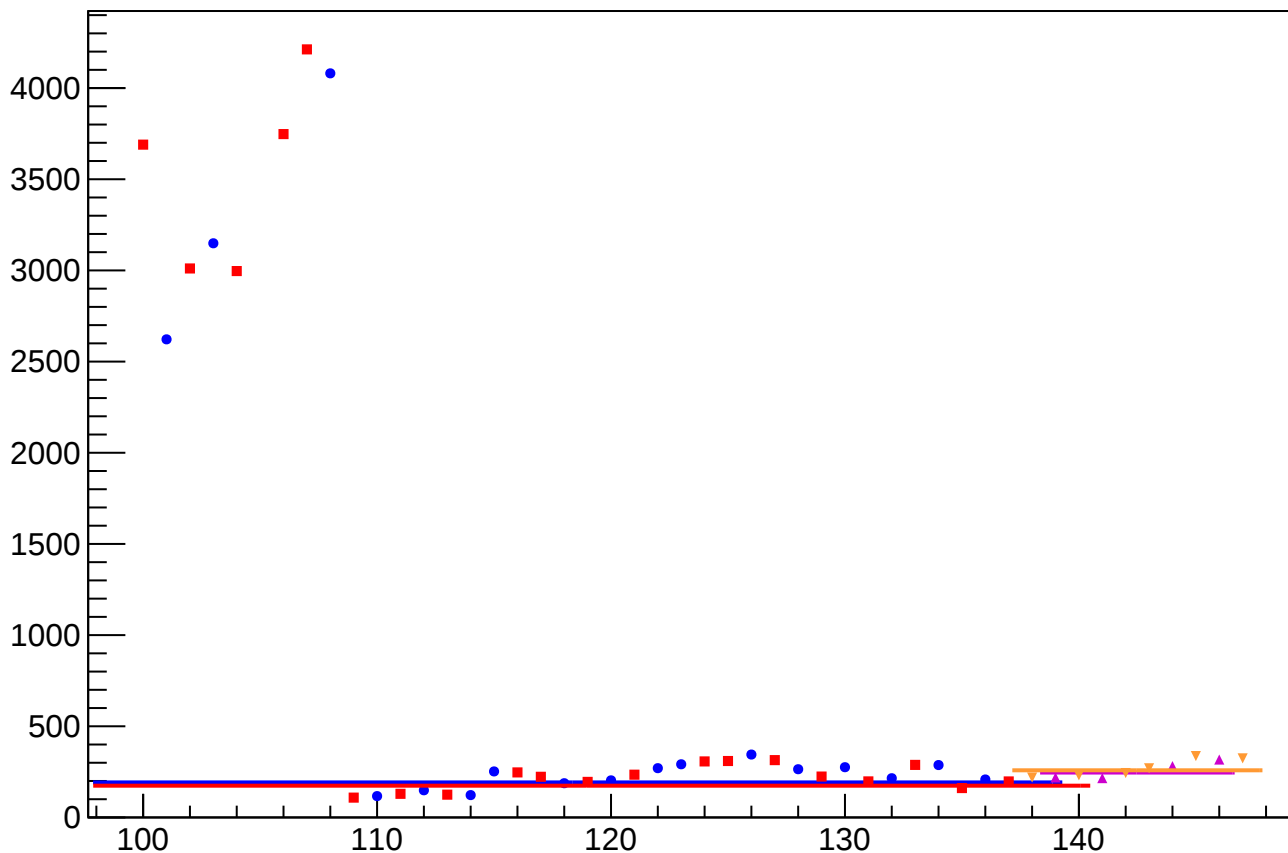
Left In: 180.401+/-139.632 χ^2/NDF : 2.4/3

92.227+/-73.183 χ^2/NDF : 13.4/22

71.211+/-50.616 χ^2/NDF : 28.2/46

51.938+/-70.081 χ^2/NDF : 14.6/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177 $\pm$ 0.063 χ^2 /NDF: 3574617.3/16

Left Out: 258.584 $\pm$ 0.091 χ^2 /NDF: 220721.8/5

Right Out: 174.240 $\pm$ 0.057 χ^2 /NDF: 4215763.8/19

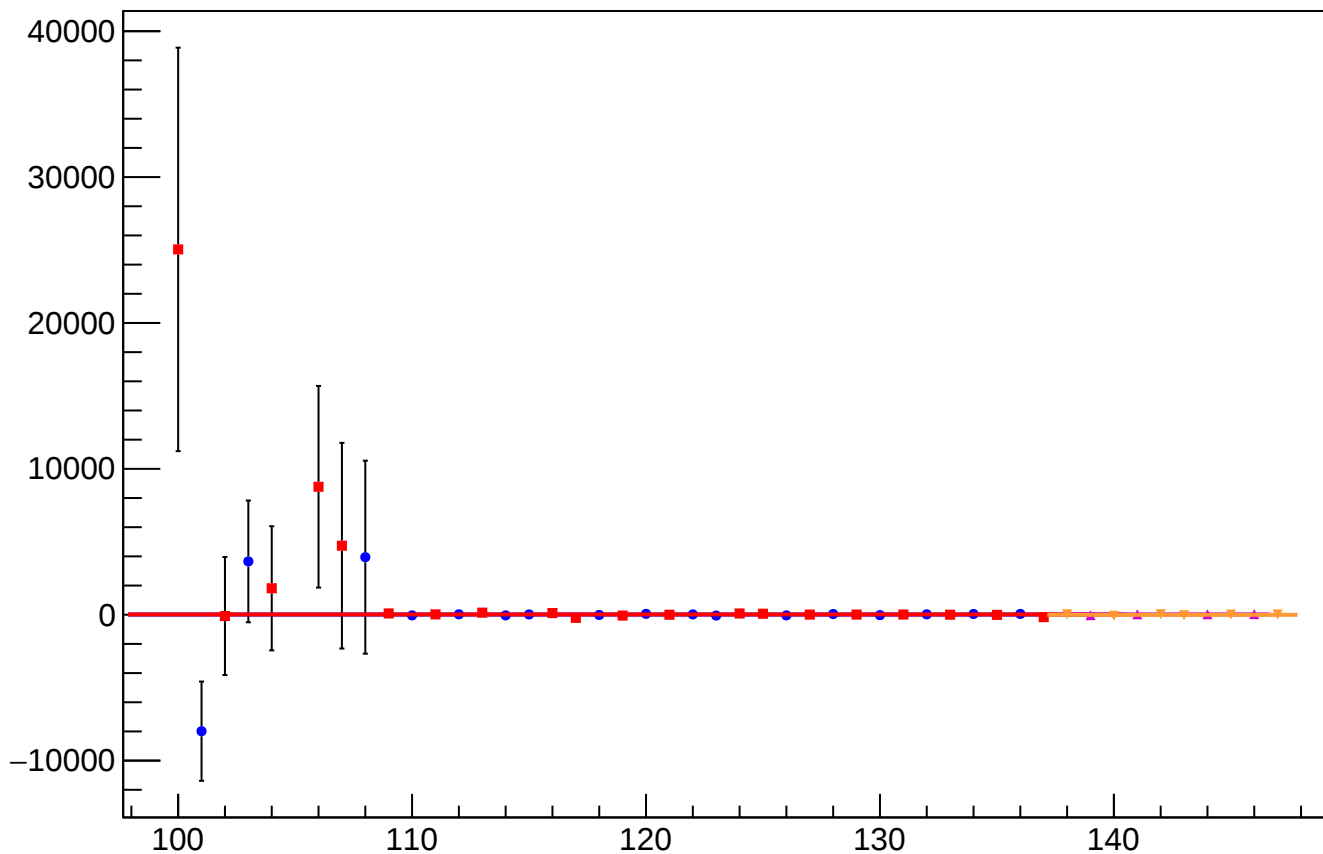
Left In: 246.298 $\pm$ 0.099 χ^2 /NDF: 162861.0/3

213.426 $\pm$ 0.052 χ^2 /NDF: 4153672.5/22

202.454 $\pm$ 0.036 χ^2 /NDF: 9016951.7/46

192.391 $\pm$ 0.050 χ^2 /NDF: 4777088.5/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -5.208+/-16.231 χ^2/NDF : 5.7/5

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

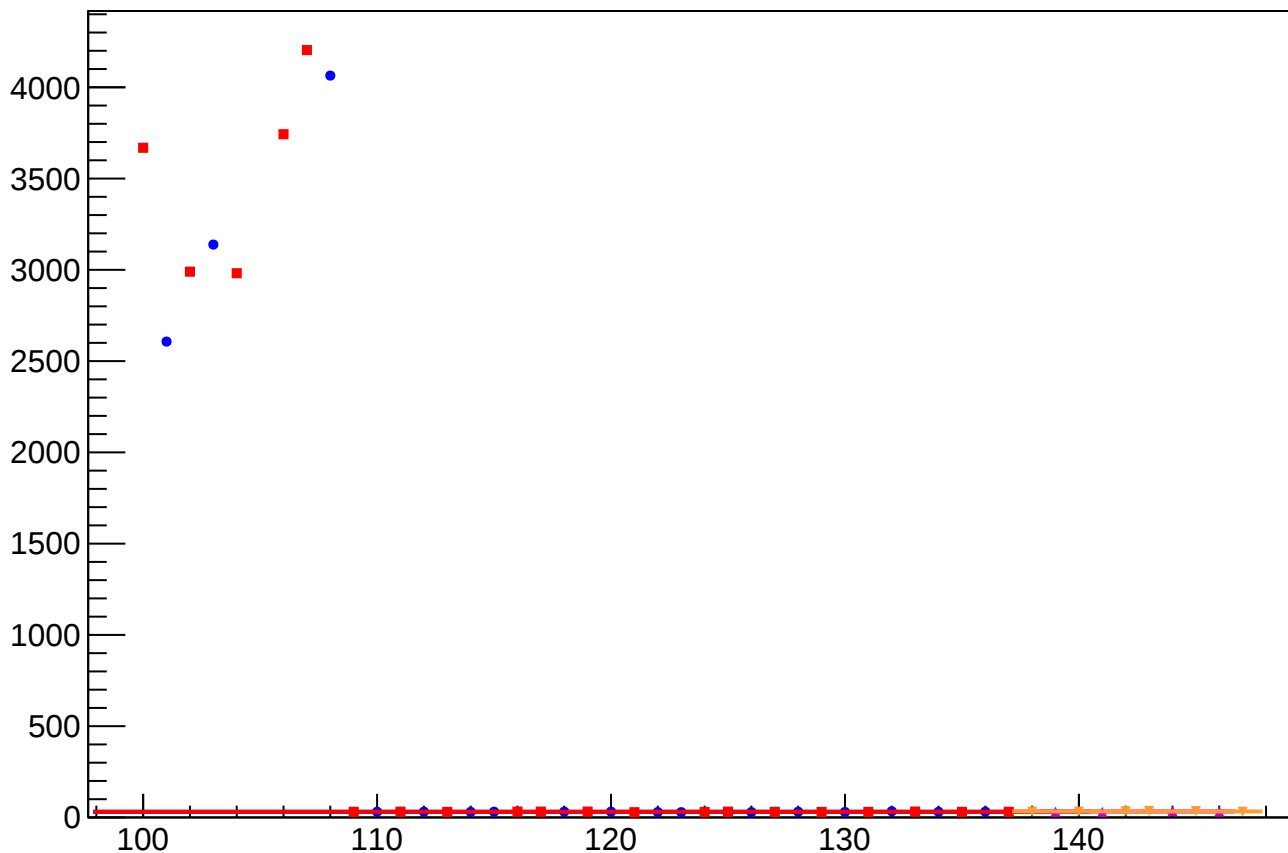
Left In: 22.614+/-18.171 χ^2/NDF : 2.5/3

5.264+/-10.480 χ^2/NDF : 21.0/22

13.028+/-7.551 χ^2/NDF : 55.0/46

21.413+/-10.891 χ^2/NDF : 32.9/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 33.001+/-0.011 χ^2/NDF :22243.7/5

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

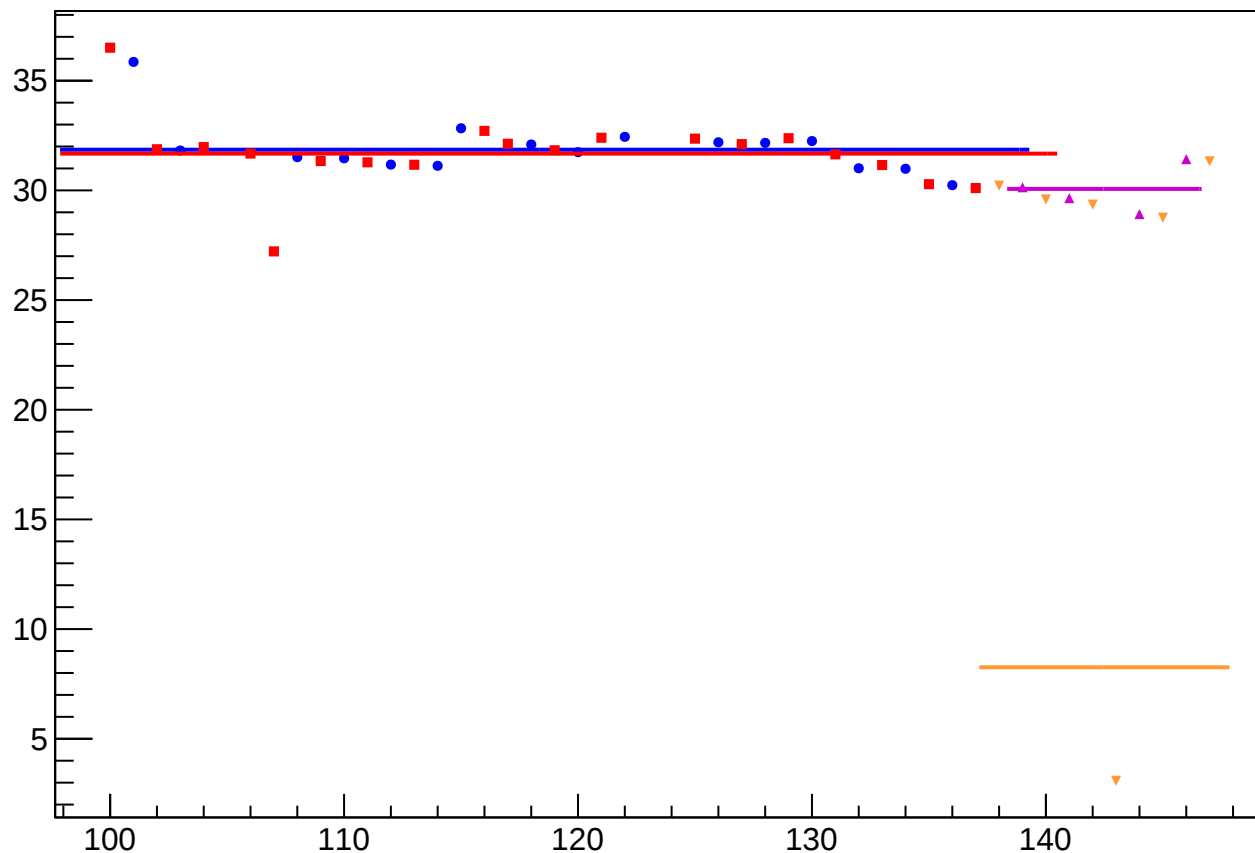
Left In: 32.649+/-0.013 χ^2/NDF :14257.4/3

31.923+/-0.007 χ^2/NDF : 3051879.3/22

31.755+/-0.005 χ^2/NDF : 6537156.4/46

31.573+/-0.008 χ^2/NDF : 3484203.8/23

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 8.259+/-0.000 χ^2/NDF : 252278602774.8/5

Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

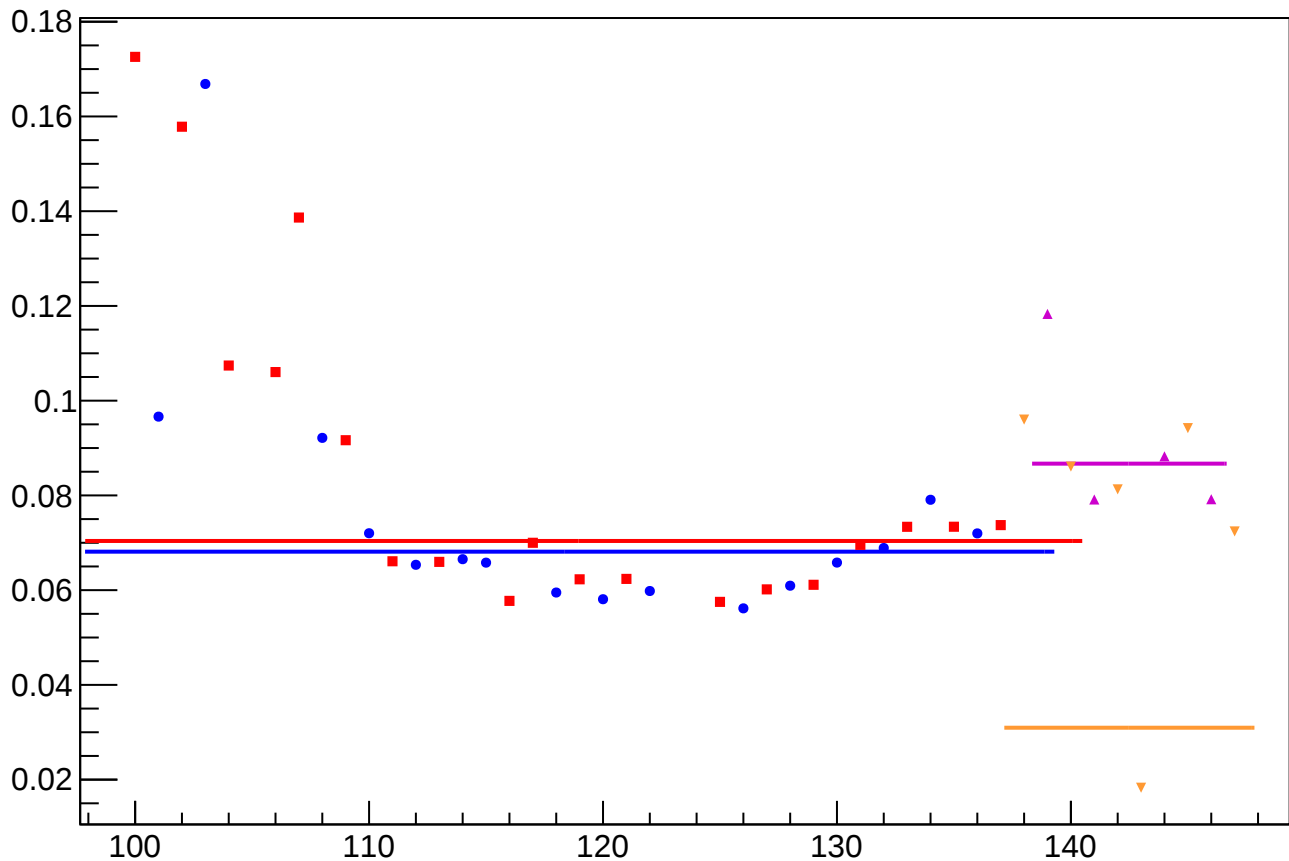
Left In: 30.067+/-0.000 χ^2/NDF : 362846615.6/3

16.701+/-0.000 χ^2/NDF : 698556967158.2/21

21.260+/-0.000 χ^2/NDF : 931806372796.3

31.291+/-0.000 χ^2/NDF : 2025980080.6/22

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF : 629767.4/15

Left Out: 0.031+/-0.000 χ^2/NDF : 3093353.5/5

Right Out: 0.070+/-0.000 χ^2/NDF : 841322.7/18

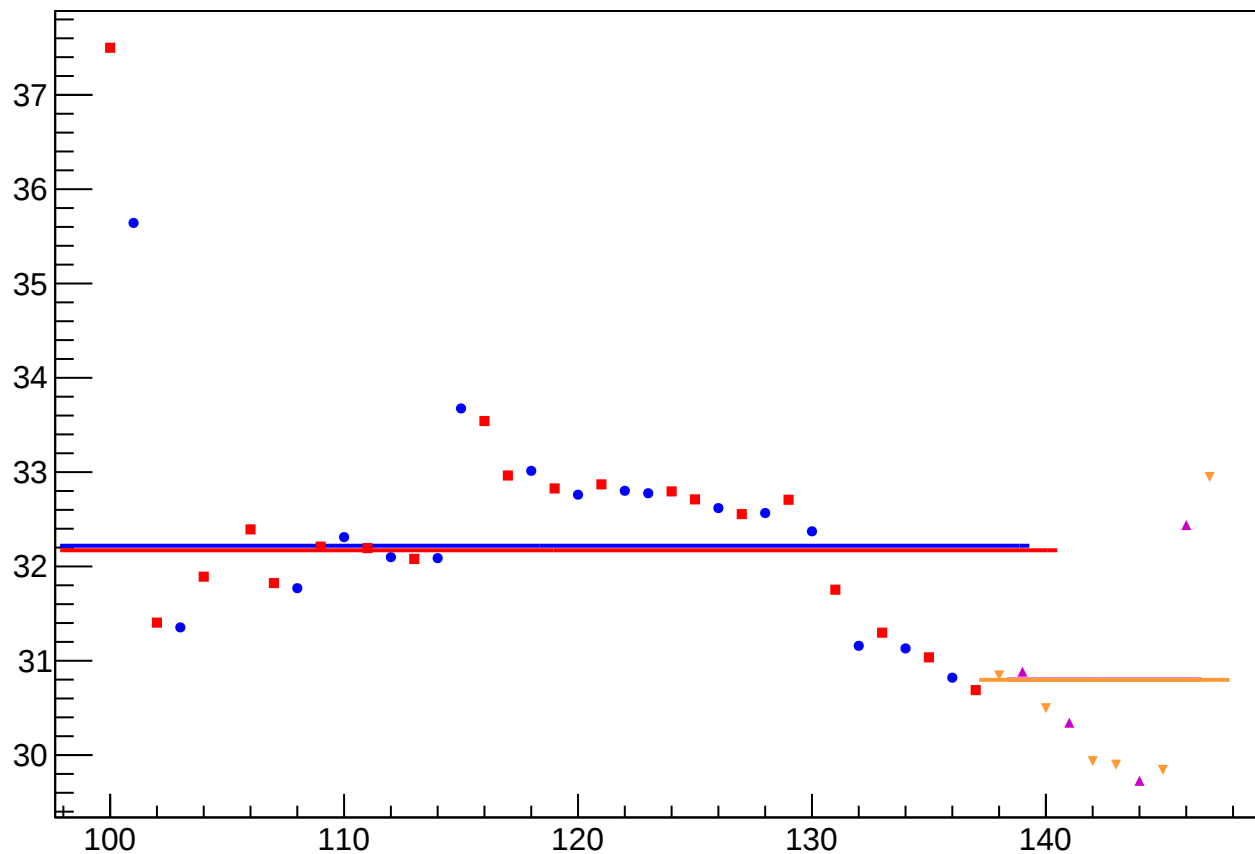
Left In: 0.087+/-0.000 χ^2/NDF : 125771.1/3

0.044+/-0.000 χ^2/NDF : 5929755.2/21

0.054+/-0.000 χ^2/NDF : 9008193.0/44

0.074+/-0.000 χ^2/NDF : 1120115.8/22

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 30.798+/-0.000 χ^2/NDF : 824219265.8/5

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

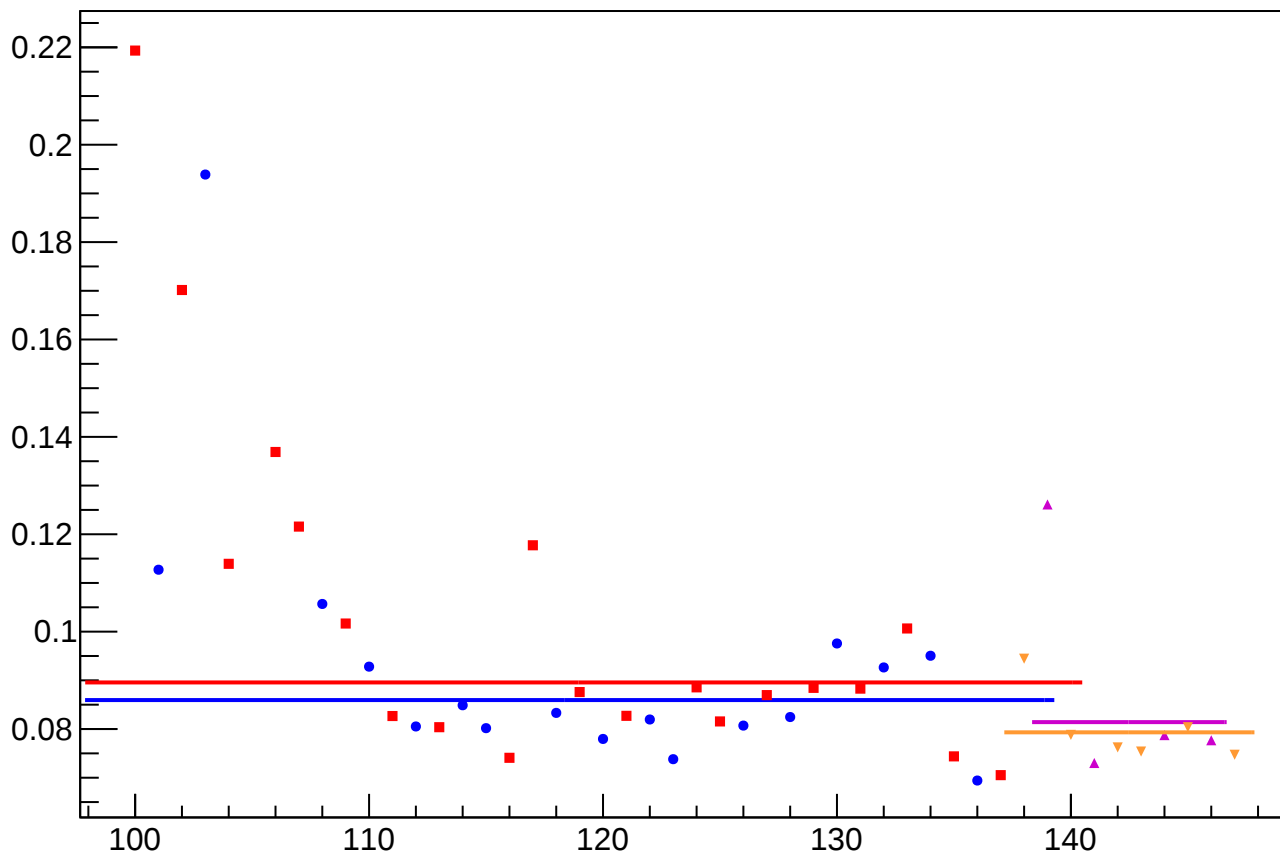
Left In: 30.801+/-0.000 χ^2/NDF : 502078429.6/3

31.617+/-0.000 χ^2/NDF : 2510182223.3/22

31.645+/-0.000 χ^2/NDF : 3980823758.8/4

31.677+/-0.000 χ^2/NDF : 1468338298.6/23

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.079+/-0.000 χ^2/NDF : 43915.7/5

Right Out: 0.090+/-0.000 χ^2/NDF : 544516.7/19

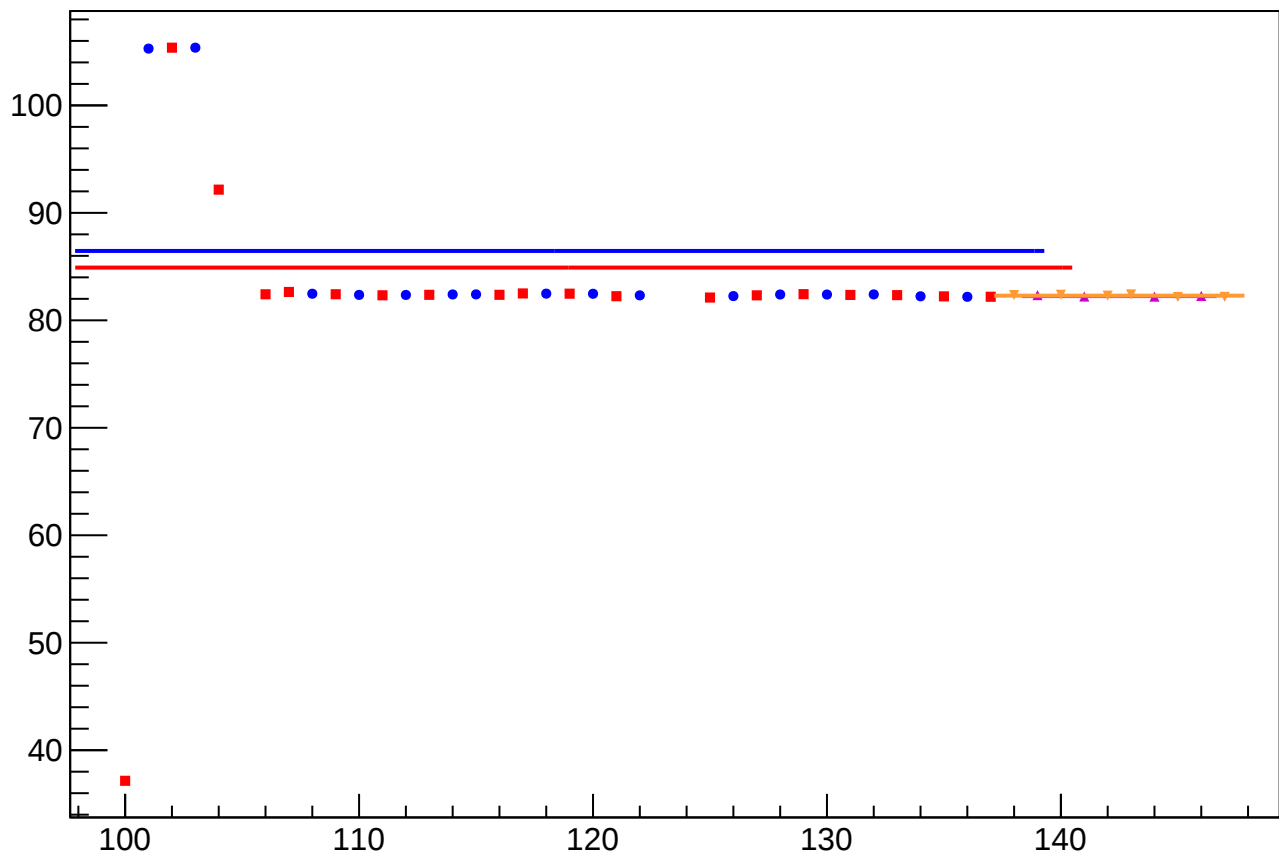
Left In: 0.081+/-0.000 χ^2/NDF : 202252.6/3

0.083+/-0.000 χ^2/NDF : 626381.4/22

0.085+/-0.000 χ^2/NDF : 1425624.3/46

0.087+/-0.000 χ^2/NDF : 783688.3/23

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457 $\pm$ 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.297 $\pm$ 0.000 χ^2/NDF : 19920686.4/5

Right Out: 84.908 $\pm$ 0.000 χ^2/NDF : 172306803858.3/18

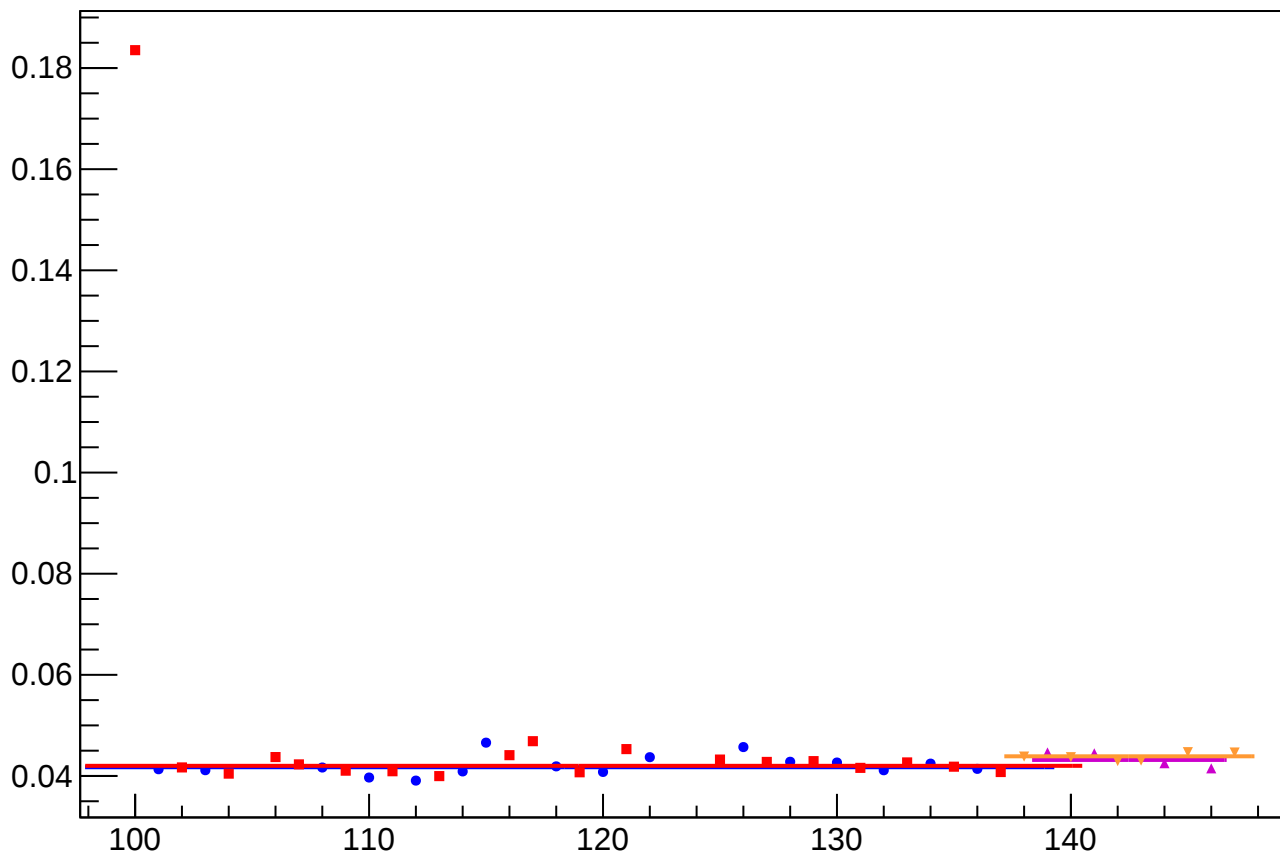
Left In: 82.257 $\pm$ 0.000 χ^2/NDF : 4731358.8/3

84.953 $\pm$ 0.000 χ^2/NDF : 315011367553.5/21

84.536 $\pm$ 0.000 χ^2/NDF : 497816866052.5

84.101 $\pm$ 0.000 χ^2/NDF : 180709600402.3/22

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.044+/-0.000 χ^2/NDF : 1879.5/5

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

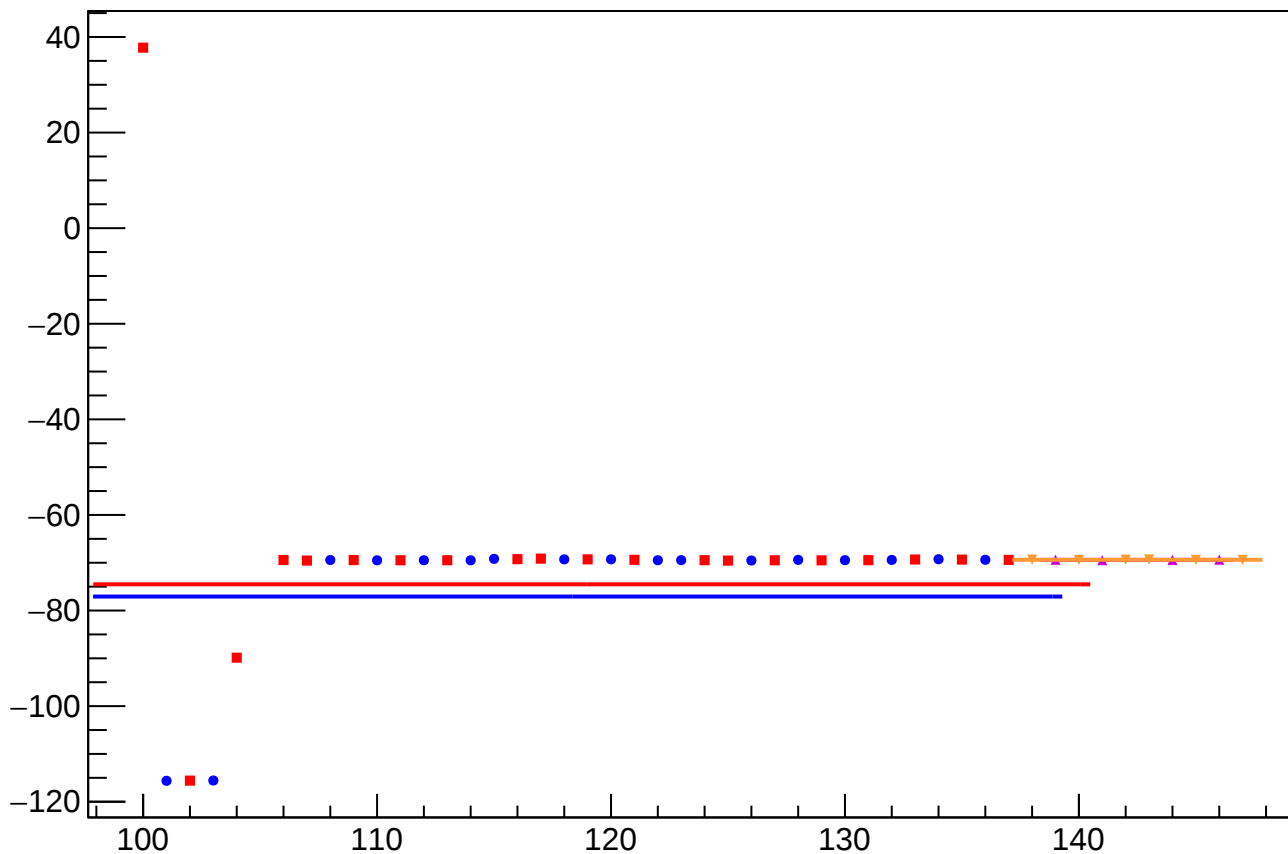
Left In: 0.043+/-0.000 χ^2/NDF : 6021.7/3

0.043+/-0.000 χ^2/NDF : 33464.7/21

0.042+/-0.000 χ^2/NDF : 140636.9/44

0.042+/-0.000 χ^2/NDF : 107043.7/22

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.383+/-0.000 χ^2/NDF : 1850996.1/5

Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

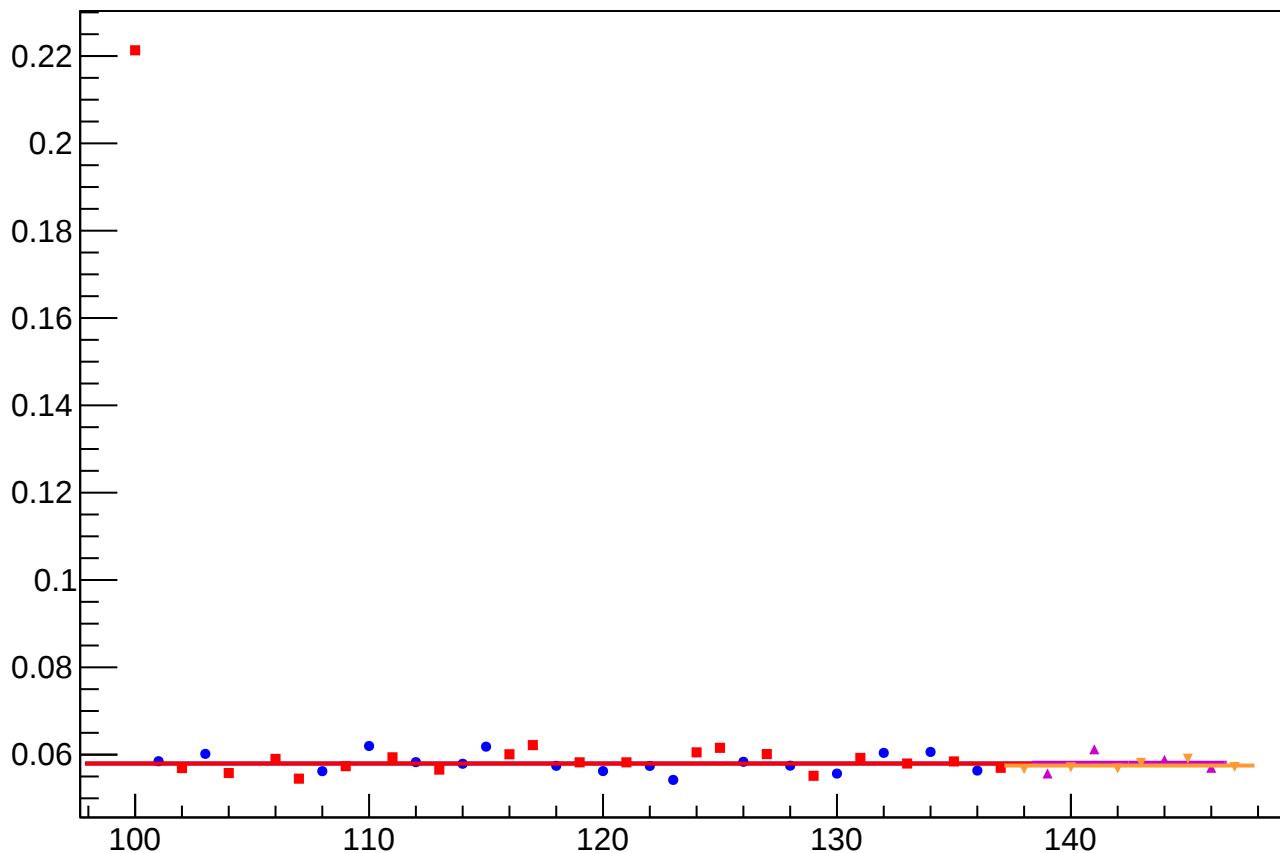
Left In: -69.401+/-0.000 χ^2/NDF : 1879180.3/3

-74.090+/-0.000 χ^2/NDF : 609339890523.6/22

-73.524+/-0.000 χ^2/NDF : 100030670420

-72.929+/-0.000 χ^2/NDF : 388908006798.4/23

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12275.6/16

Left Out: 0.058 $\pm$ 0.000 χ^2 /NDF:1717.7/5

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 86860.7/19

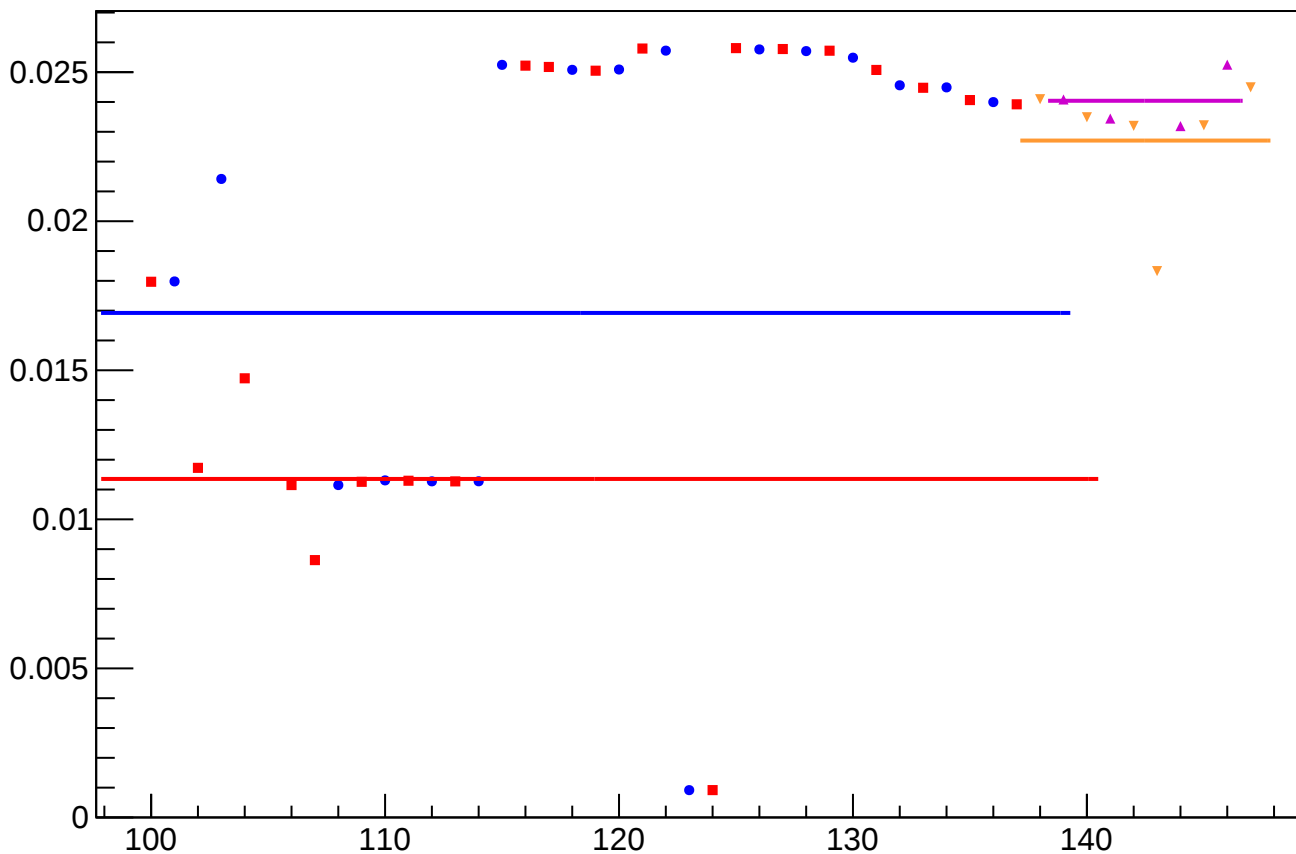
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:7714.6/3

0.058 $\pm$ 0.000 χ^2 /NDF: 14310.0/22

0.058 $\pm$ 0.000 χ^2 /NDF: 109087.1/46

0.058 $\pm$ 0.000 χ^2 /NDF: 94617.8/23

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 3621728438.3/5

0.019 $\pm$ 0.000 χ^2 /NDF: 146611003604.9/22

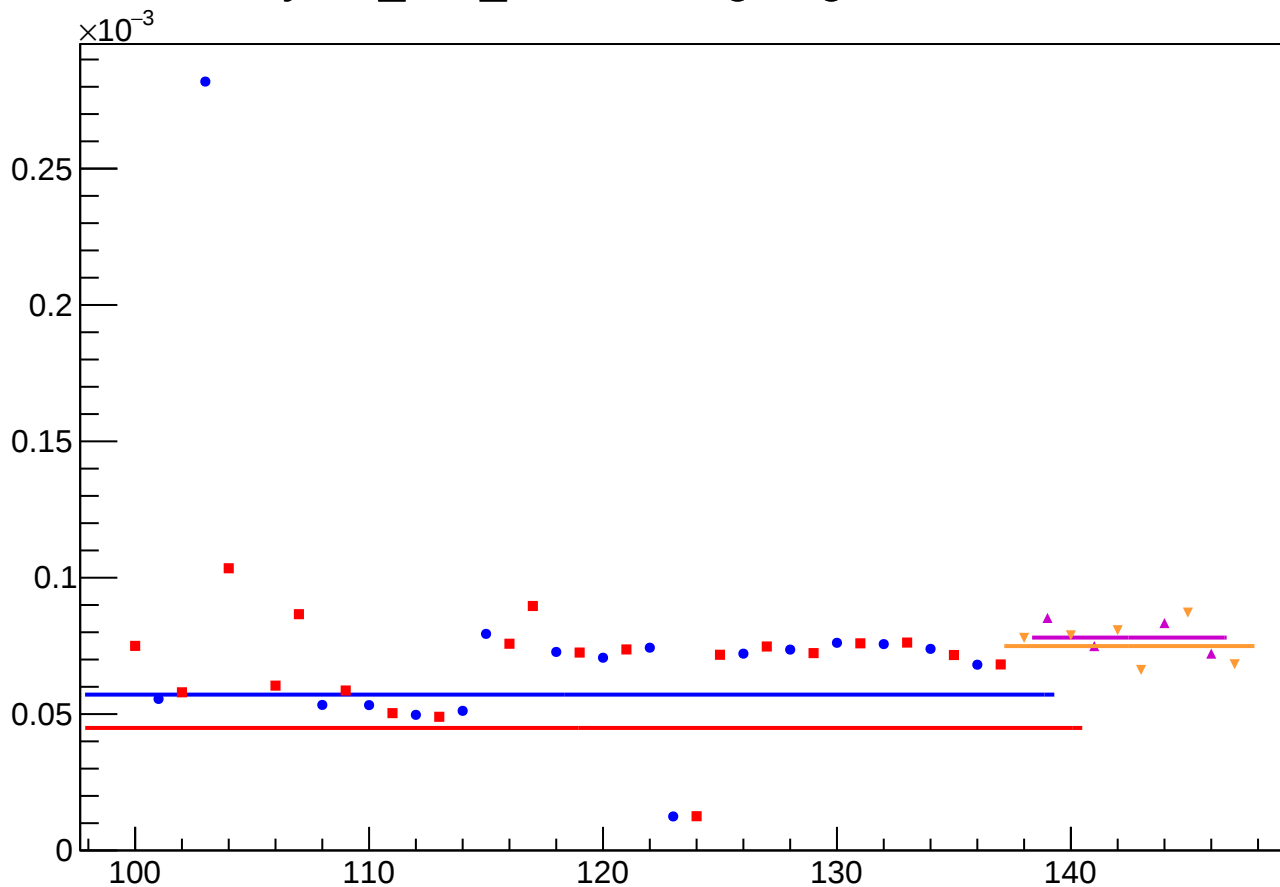
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.016 $\pm$ 0.000 χ^2 /NDF: 484019602488.0/19

0.014 $\pm$ 0.000 χ^2 /NDF: 304116842123.0/23

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 360039507.7/3

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2000446.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 75665.9/5

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3613155.3/19

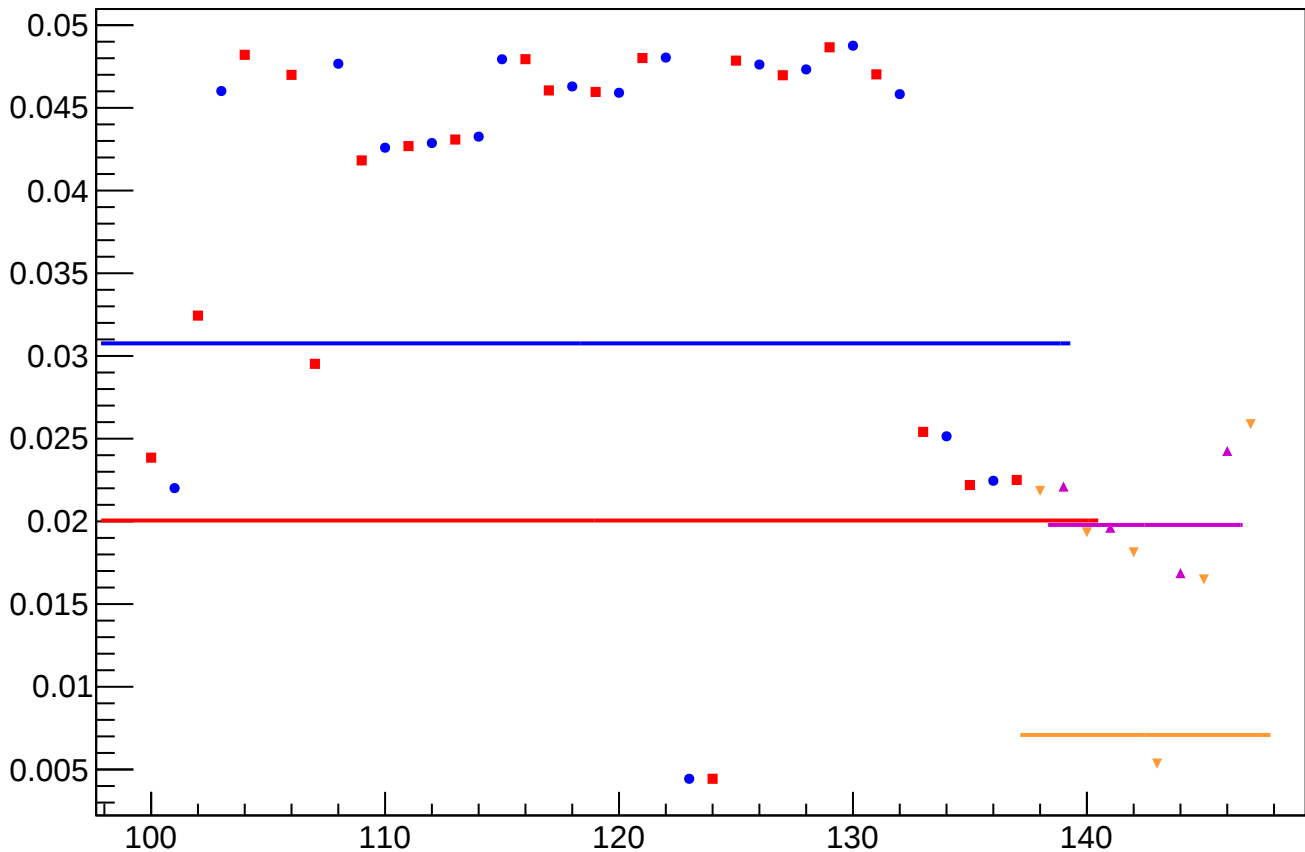
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 30165.2/3

0.000 $\pm$ 0.000 χ^2 /NDF: 2389564.0/22

0.000 $\pm$ 0.000 χ^2 /NDF: 7315158.9/46

0.000 $\pm$ 0.000 χ^2 /NDF: 4570961.9/23

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.007+/-0.000 χ^2/NDF : 9161945756.8/5

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

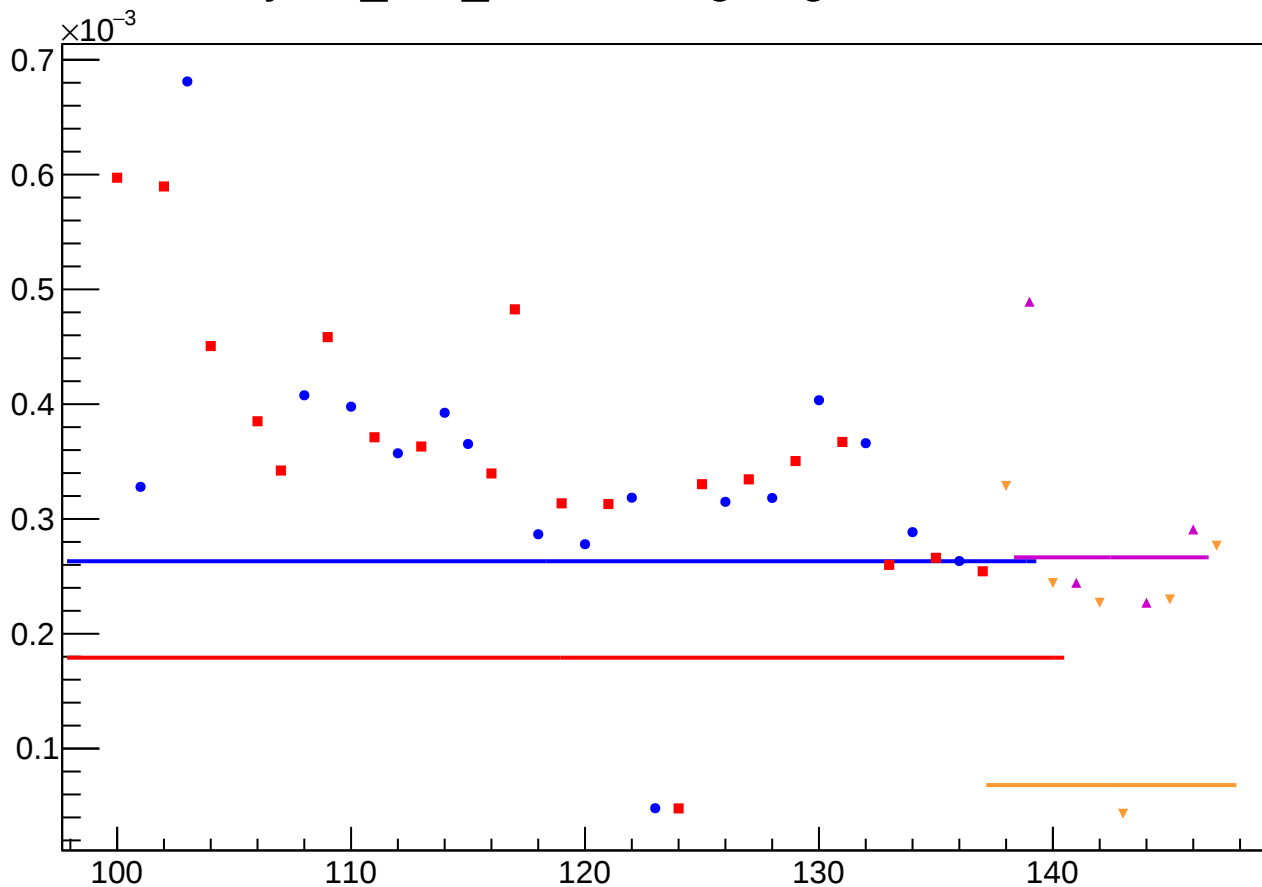
Left In: 0.020+/-0.000 χ^2/NDF : 319370935.6/3

0.011+/-0.000 χ^2/NDF : 63865185270.3/22

0.013+/-0.000 χ^2/NDF : 114249269492.6/22

0.020+/-0.000 χ^2/NDF : 40455146999.4/23

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 3715469.1/5

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

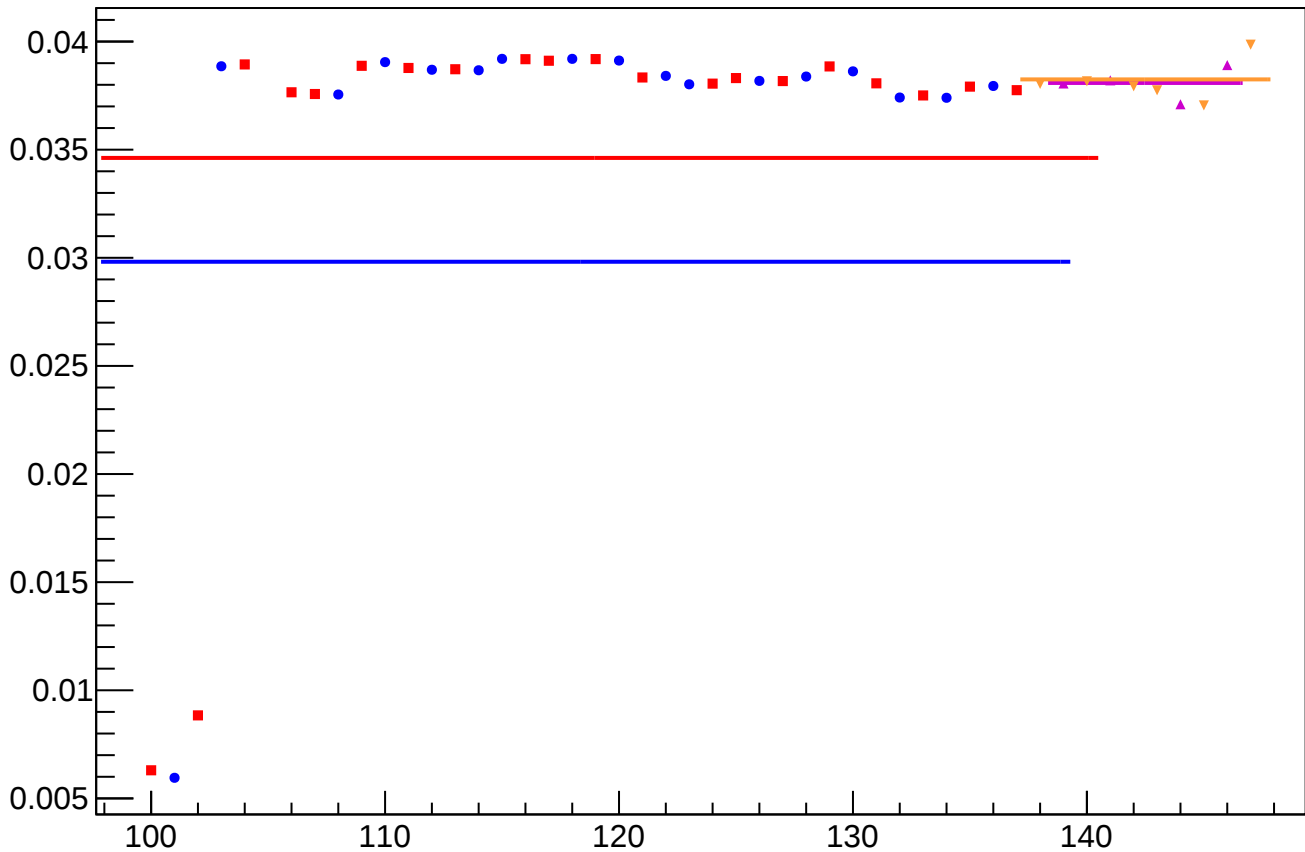
Left In: 0.000+/-0.000 χ^2/NDF : 360081.6/3

0.000+/-0.000 χ^2/NDF : 10665025.0/22

0.000+/-0.000 χ^2/NDF : 19296525.3/46

0.000+/-0.000 χ^2/NDF : 6181704.0/23

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.038 $\pm$ 0.000 χ^2 /NDF:172936639.1/5

0.032 $\pm$ 0.000 χ^2 /NDF: 107163790849.2/22

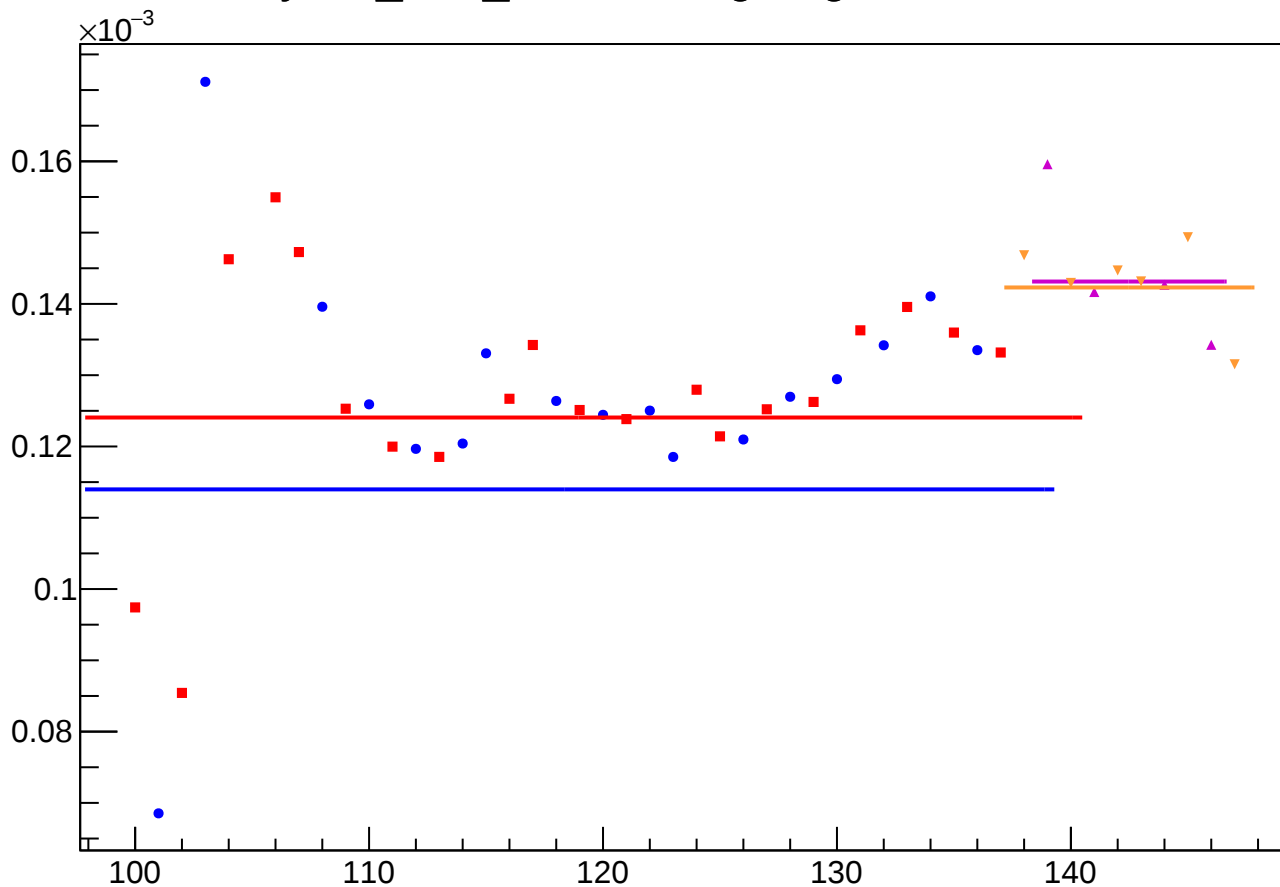
Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

0.034 $\pm$ 0.000 χ^2 /NDF: 155558191085.0/

0.036 $\pm$ 0.000 χ^2 /NDF: 45139806612.3/23

Left In: 0.038 $\pm$ 0.000 χ^2 /NDF:69574072.1/3

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 $\chi^2/\text{NDF}: 794542.9/16$

Left Out: 0.000 +/- 0.000 $\chi^2/\text{NDF}: 15185.2/5$

Right Out: 0.000 +/- 0.000 $\chi^2/\text{NDF}: 245649.5/19$

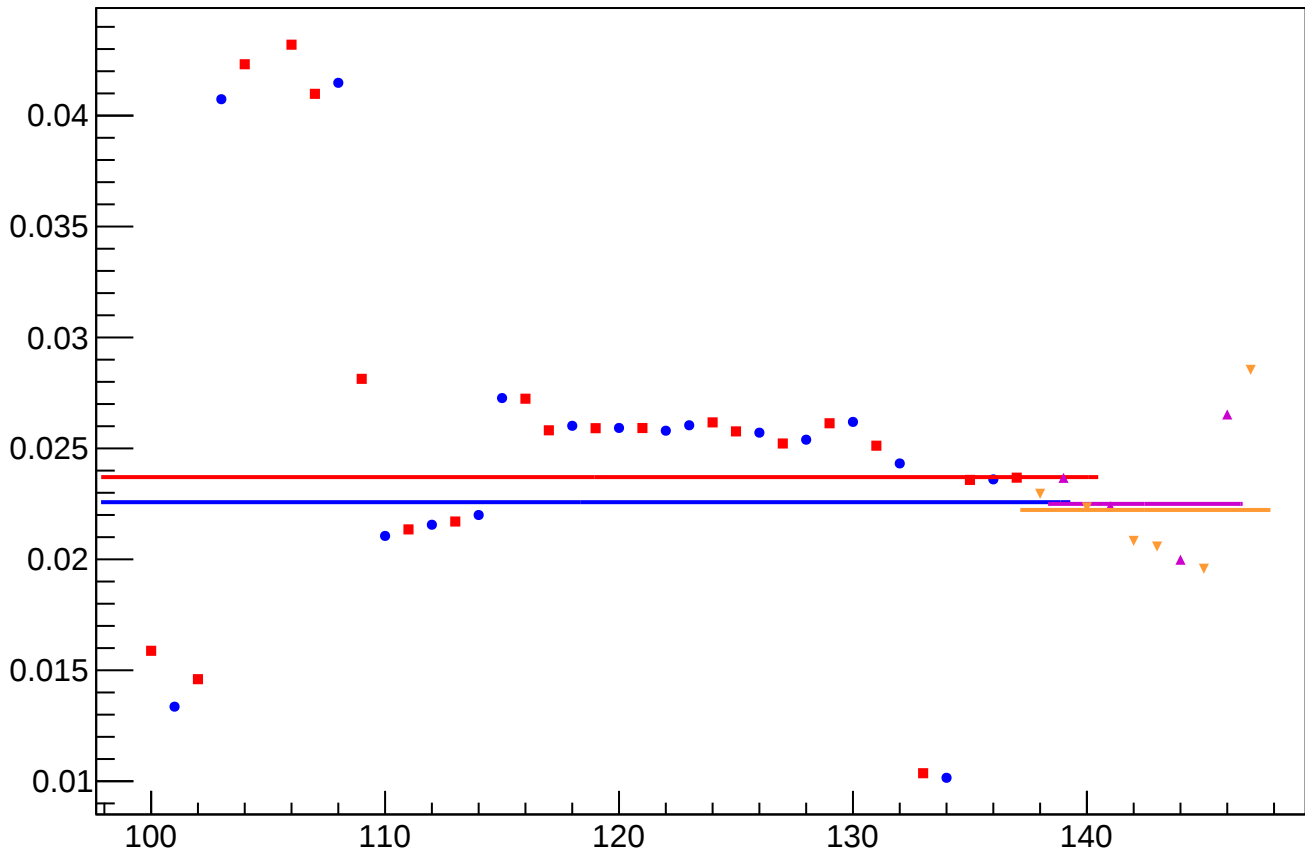
Left In: 0.000 +/- 0.000 $\chi^2/\text{NDF}: 22205.9/3$

0.000 +/- 0.000 $\chi^2/\text{NDF}: 1031751.7/22$

0.000 +/- 0.000 $\chi^2/\text{NDF}: 1409709.4/46$

0.000 +/- 0.000 $\chi^2/\text{NDF}: 349763.3/23$

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 4247774712.9/16

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 515269807.6/5

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5652505580.7/19

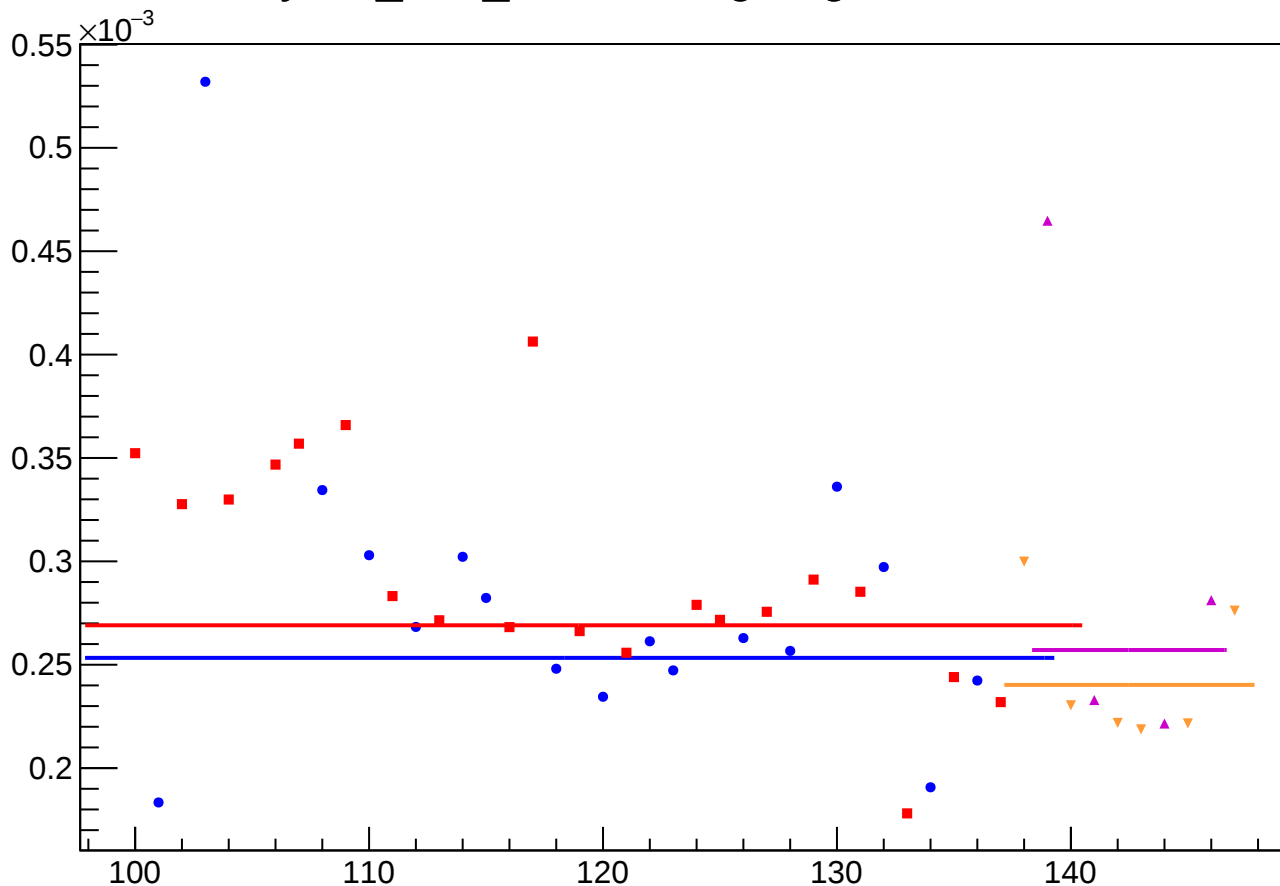
Left In: 0.023 $\pm$ 0.000 χ^2 /NDF: 258418639.5/3

0.022 $\pm$ 0.000 χ^2 /NDF: 4767491791.7/22

0.023 $\pm$ 0.000 χ^2 /NDF: 10772234793.4/4

0.023 $\pm$ 0.000 χ^2 /NDF: 5952149205.7/23

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 101390.5/5

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

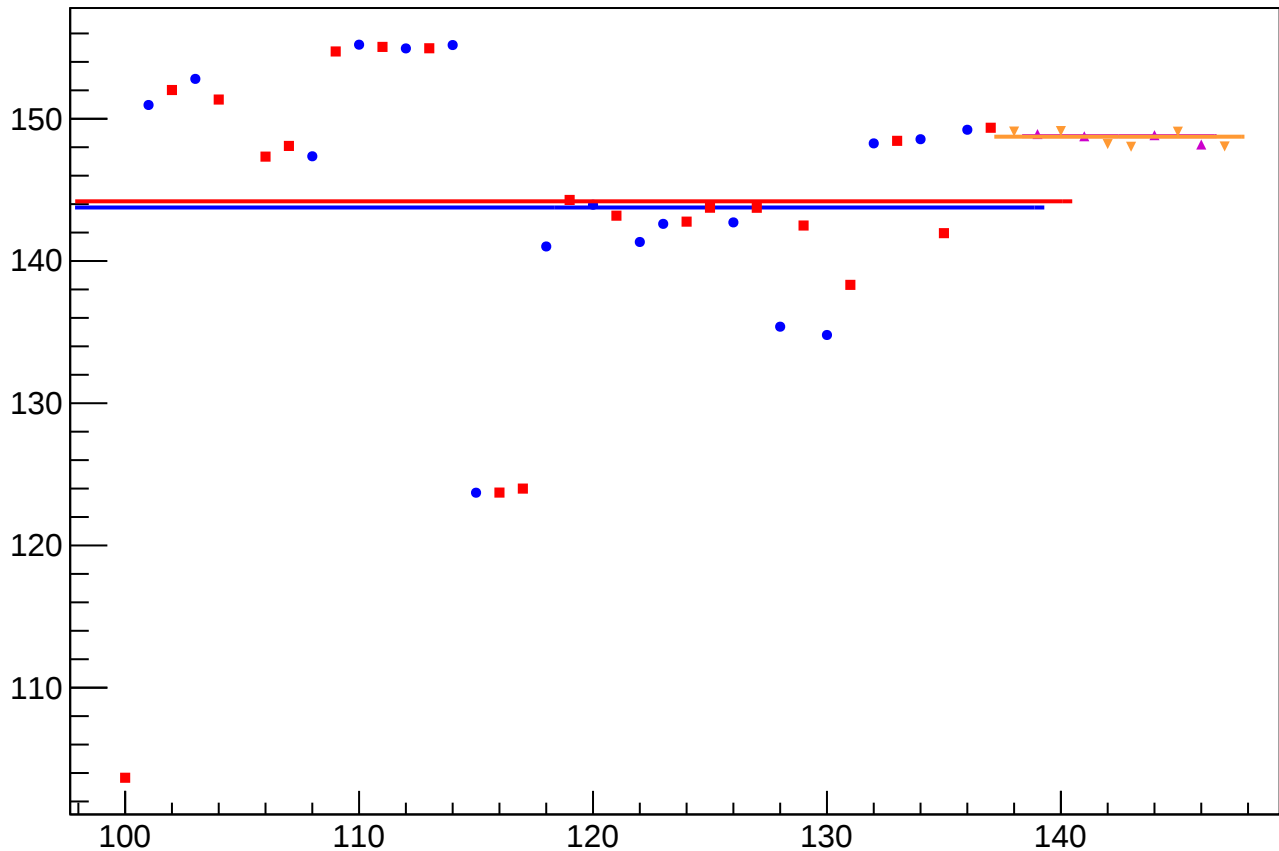
Left In: 0.000+/-0.000 χ^2/NDF : 347282.3/3

0.000+/-0.000 χ^2/NDF : 742964.5/22

0.000+/-0.000 χ^2/NDF : 1576335.7/46

0.000+/-0.000 χ^2/NDF : 793092.4/23

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763±0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.742±0.000 χ^2/NDF : 8243019.6/5

Right Out: 144.197±0.000 χ^2/NDF : 4523139755.0/19

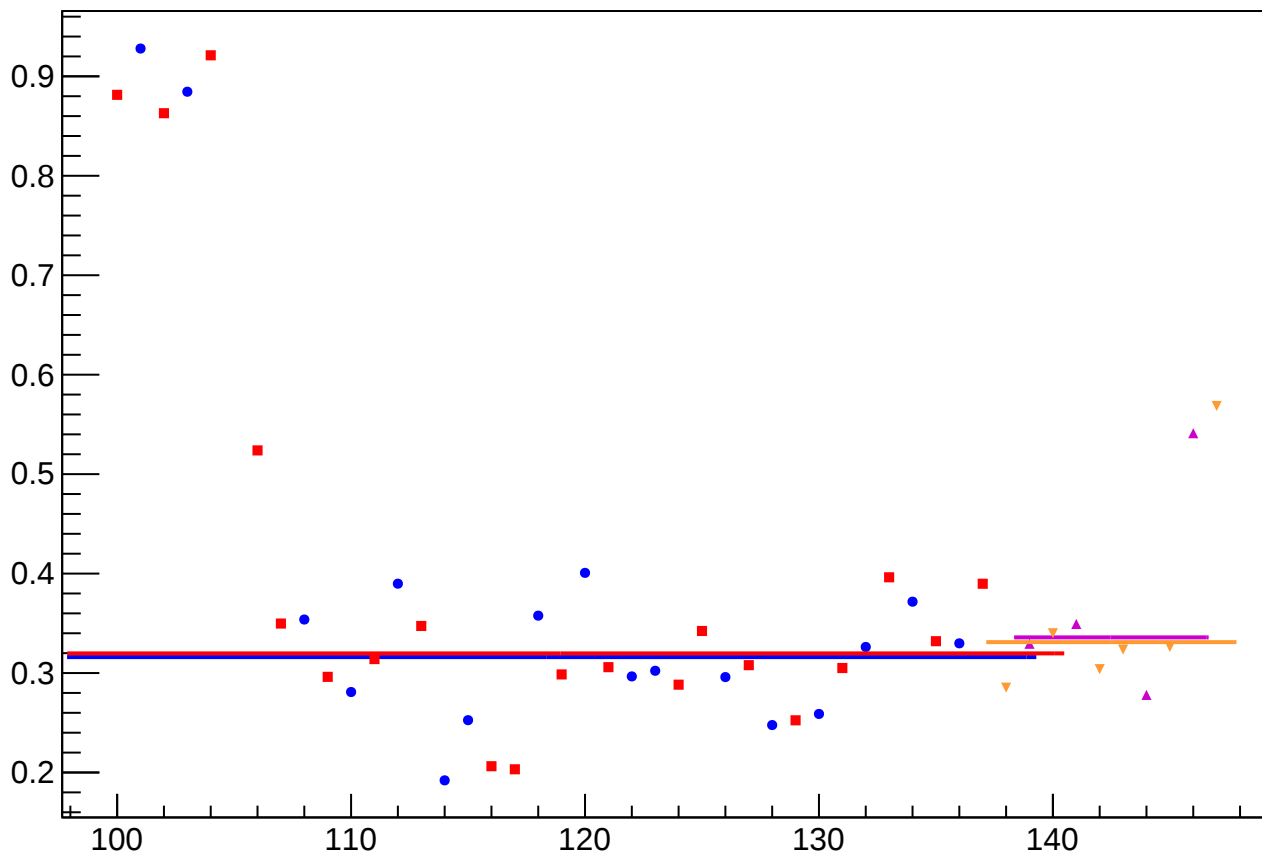
Left In: 148.780±0.000 χ^2/NDF : 1144660.0/3

145.678±0.000 χ^2/NDF : 4073219717.6/22

145.662±0.000 χ^2/NDF : 8979416641.0/23

145.646±0.000 χ^2/NDF : 4906152625.8/23

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.331 $\pm$ 0.000 χ^2/NDF : 301954.0/5

Right Out: 0.320 $\pm$ 0.000 χ^2/NDF : 1241752.3/19

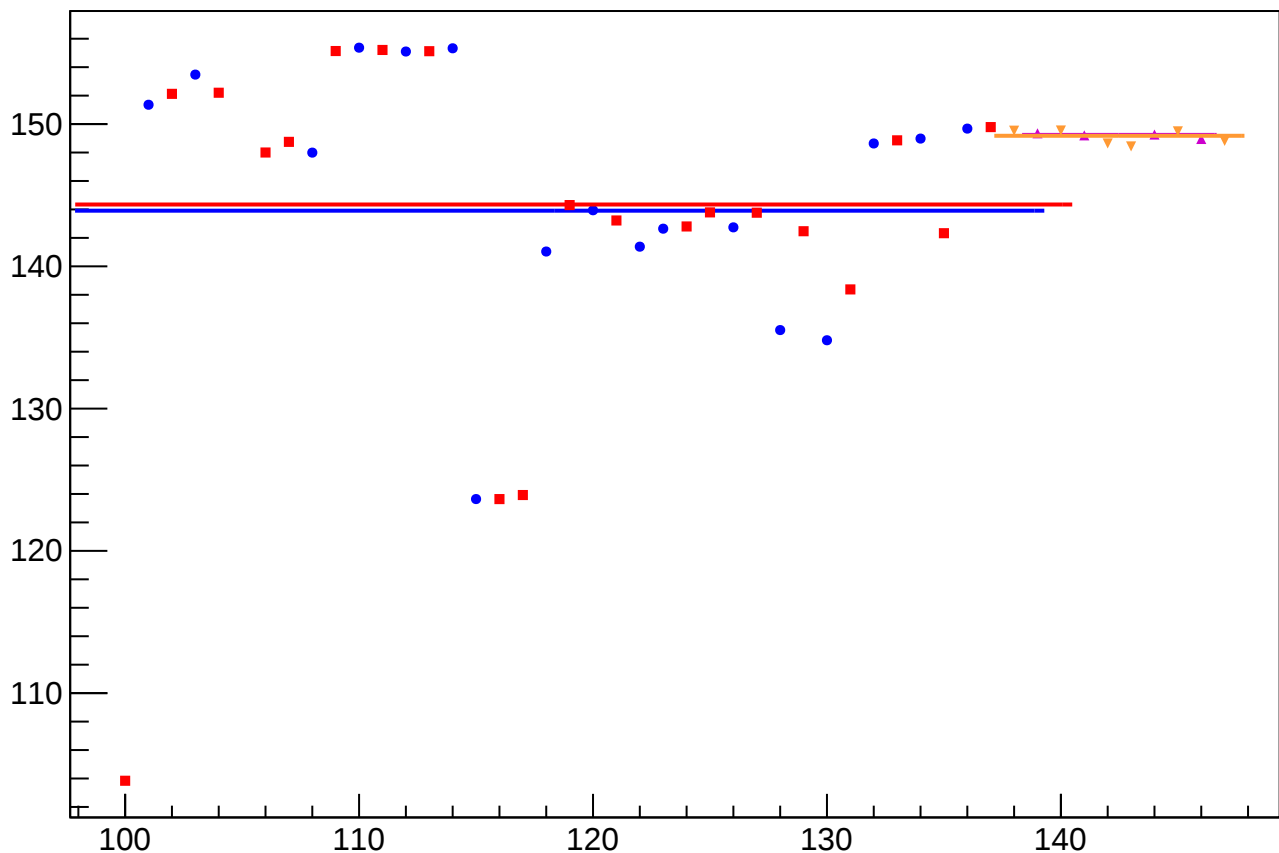
Left In: 0.336 $\pm$ 0.000 χ^2/NDF : 306239.5/3

0.322 $\pm$ 0.000 χ^2/NDF : 1577575.1/22

0.323 $\pm$ 0.000 χ^2/NDF : 3135786.6/46

0.325 $\pm$ 0.000 χ^2/NDF : 1557411.3/23

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2/NDF : 3587769790.2/16

Left Out: 149.177 $\pm$ 0.000 χ^2/NDF : 7480876.9/5

Right Out: 144.347 $\pm$ 0.000 χ^2/NDF : 4550581147.9/19

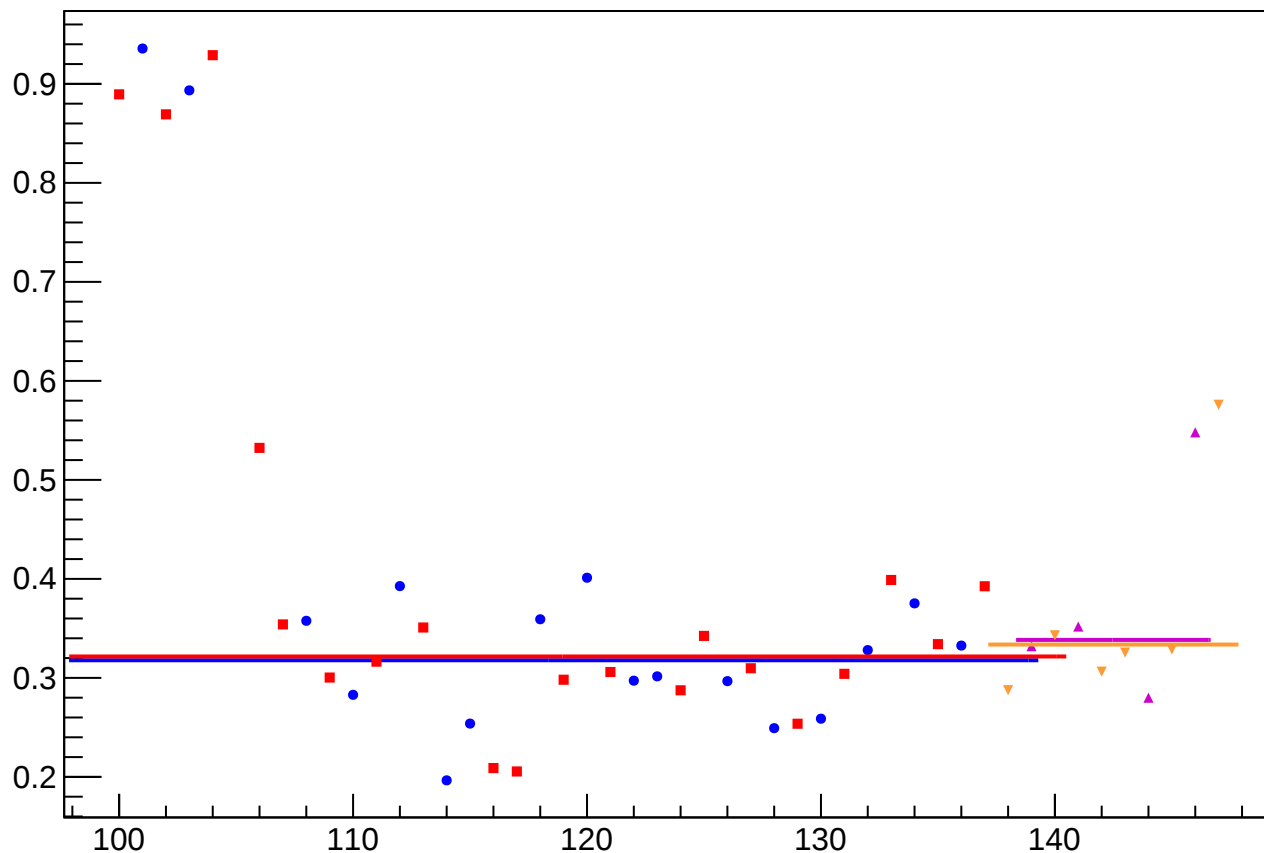
Left In: 149.239 $\pm$ 0.000 χ^2/NDF : 313155.0/3

145.931 $\pm$ 0.000 χ^2/NDF : 4179875682.3/22

145.911 $\pm$ 0.000 χ^2/NDF : 9159743318.6/22

145.889 $\pm$ 0.000 χ^2/NDF : 4979792163.2/23

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.334 $\pm$ 0.000 χ^2/NDF : 305667.4/5

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244304.0/19

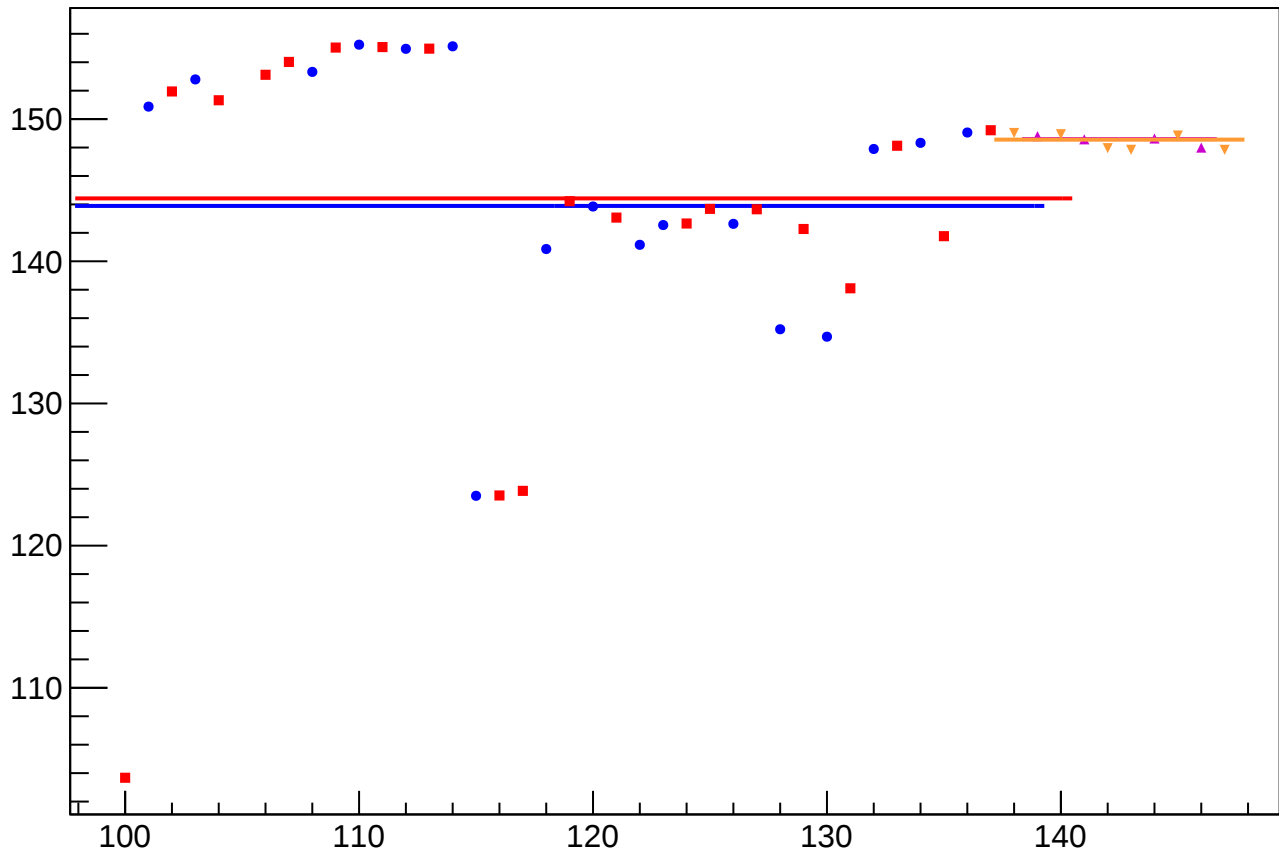
Left In: 0.338 $\pm$ 0.000 χ^2/NDF : 310484.4/3

0.324 $\pm$ 0.000 χ^2/NDF : 1584548.4/22

0.325 $\pm$ 0.000 χ^2/NDF : 3150154.8/46

0.327 $\pm$ 0.000 χ^2/NDF : 1564821.8/23

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.557+/-0.000 χ^2/NDF : 9182667.0/5

Right Out: 144.423+/-0.000 χ^2/NDF : 4819194675.6/19

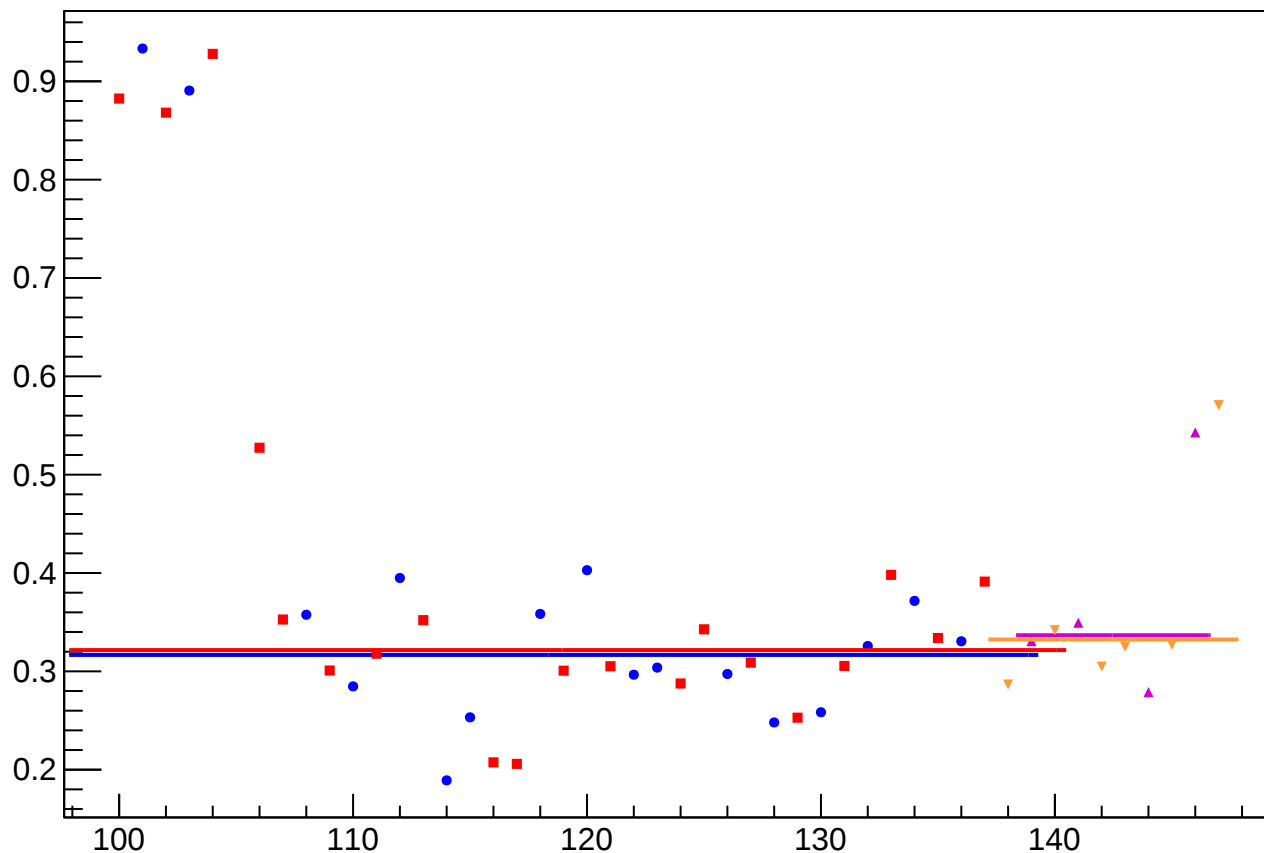
Left In: 148.595+/-0.000 χ^2/NDF : 1275171.5/3

145.685+/-0.000 χ^2/NDF : 4223626125.1/22

145.715+/-0.000 χ^2/NDF : 9358444296.9/22

145.748+/-0.000 χ^2/NDF : 5134645213.5/23

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.332 $\pm$ 0.000 χ^2 /NDF:301827.5/5

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1244671.1/19

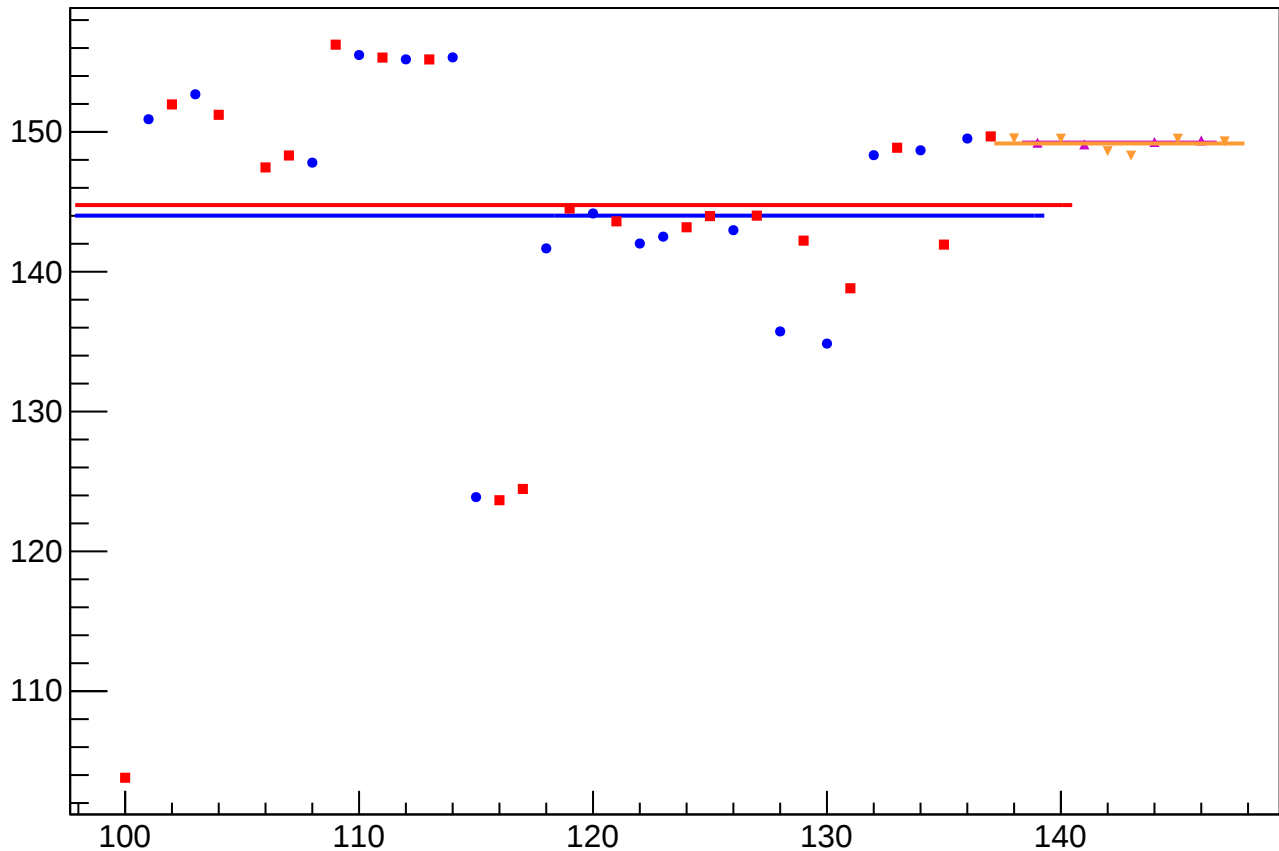
Left In: 0.337 $\pm$ 0.000 χ^2 /NDF:306268.1/3

0.323 $\pm$ 0.000 χ^2 /NDF: 1592667.8/22

0.325 $\pm$ 0.000 χ^2 /NDF: 3153008.4/46

0.326 $\pm$ 0.000 χ^2 /NDF: 1559166.8/23

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 +/- 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 149.174 +/- 0.000 χ^2/NDF : 7577773.2/5

Right Out: 144.767 +/- 0.000 χ^2/NDF : 4097482970.1/19

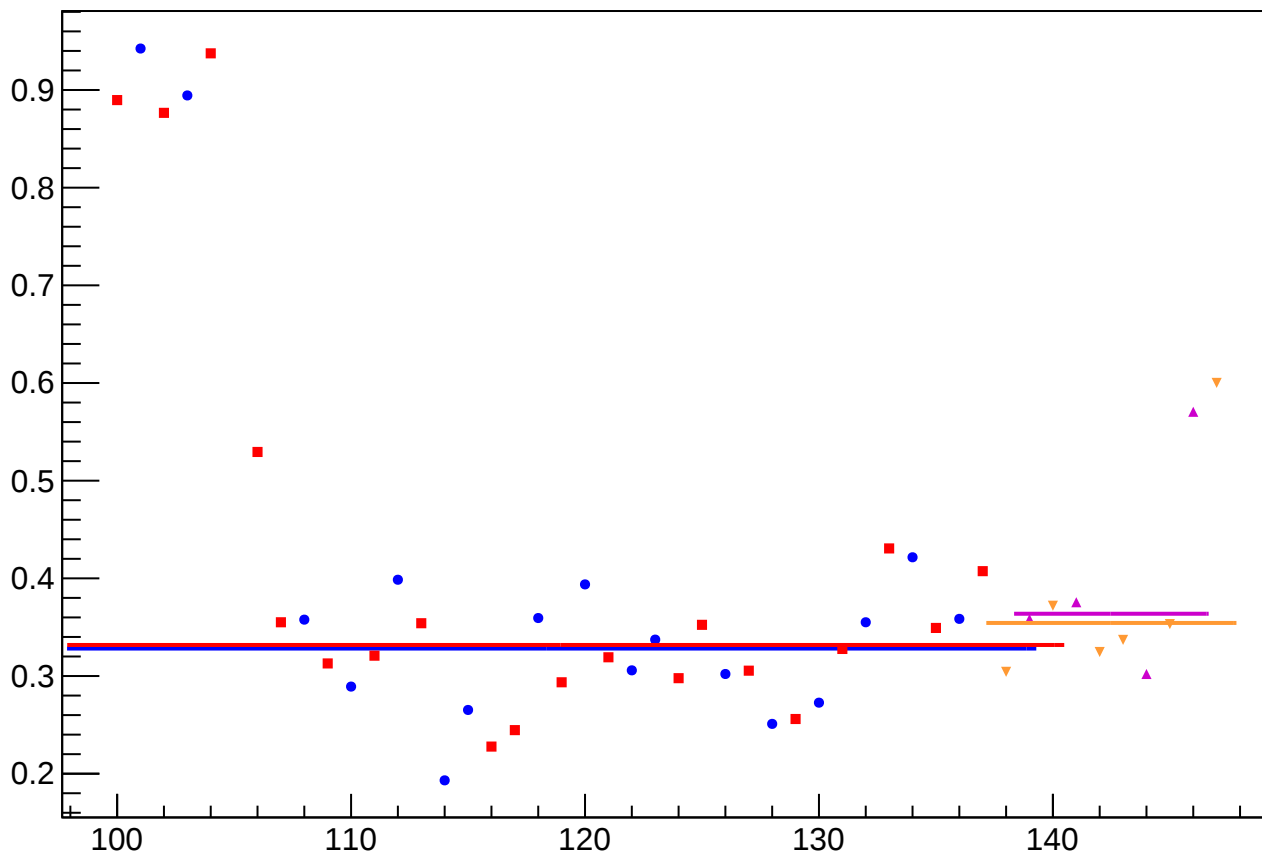
Left In: 149.237 +/- 0.000 χ^2/NDF : 172333.0/3

145.917 +/- 0.000 χ^2/NDF : 3753756879.3/22

146.002 +/- 0.000 χ^2/NDF : 8169284931.4/23

146.094 +/- 0.000 χ^2/NDF : 4414290909.6/23

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.354+/-0.000 χ^2/NDF : 296523.1/5

Right Out: 0.332+/-0.000 χ^2/NDF : 1194167.8/19

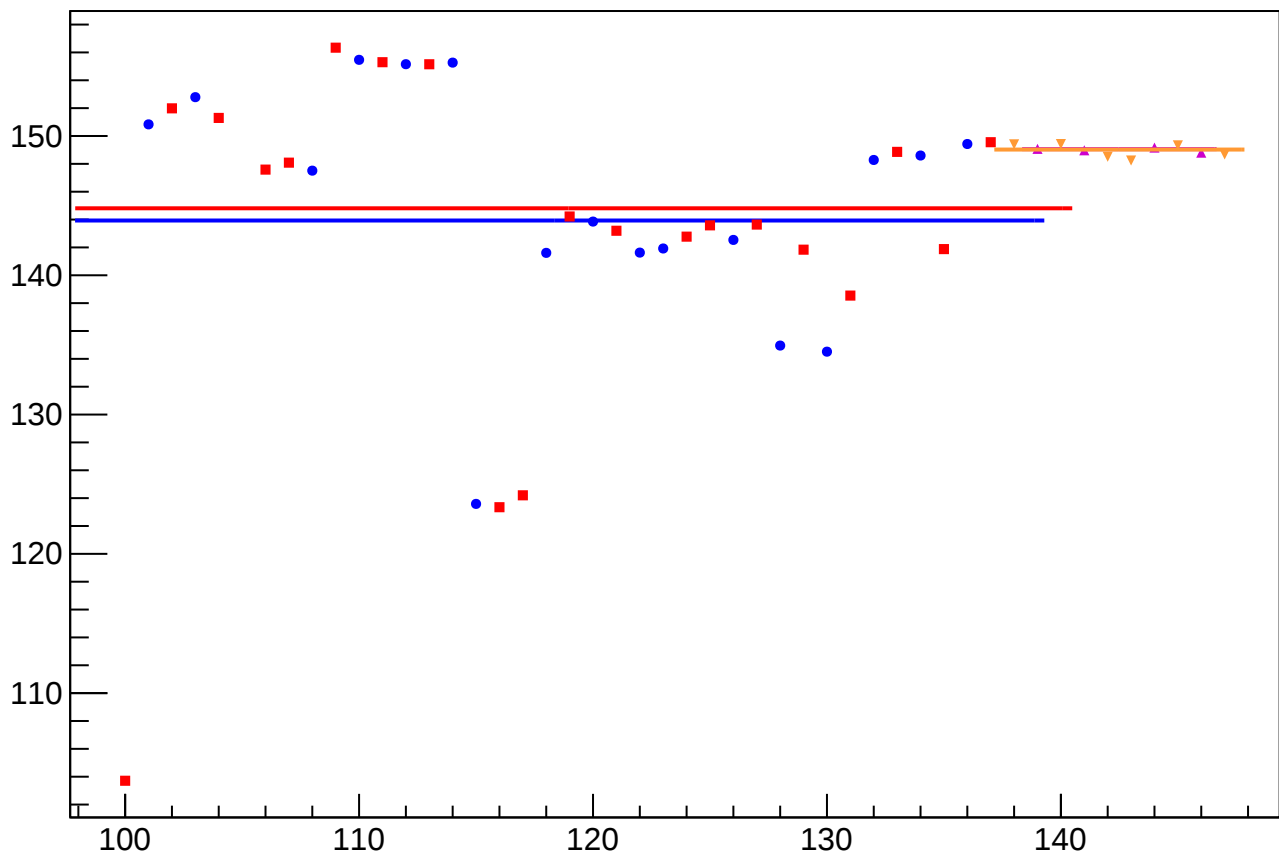
Left In: 0.364+/-0.000 χ^2/NDF : 279914.2/3

0.338+/-0.000 χ^2/NDF : 1588454.9/22

0.339+/-0.000 χ^2/NDF : 3095902.0/46

0.341+/-0.000 χ^2/NDF : 1506495.2/23

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 +/- 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 149.026 +/- 0.000 χ^2/NDF : 6915041.8/5

Right Out: 144.809 +/- 0.000 χ^2/NDF : 4138041955.6/19

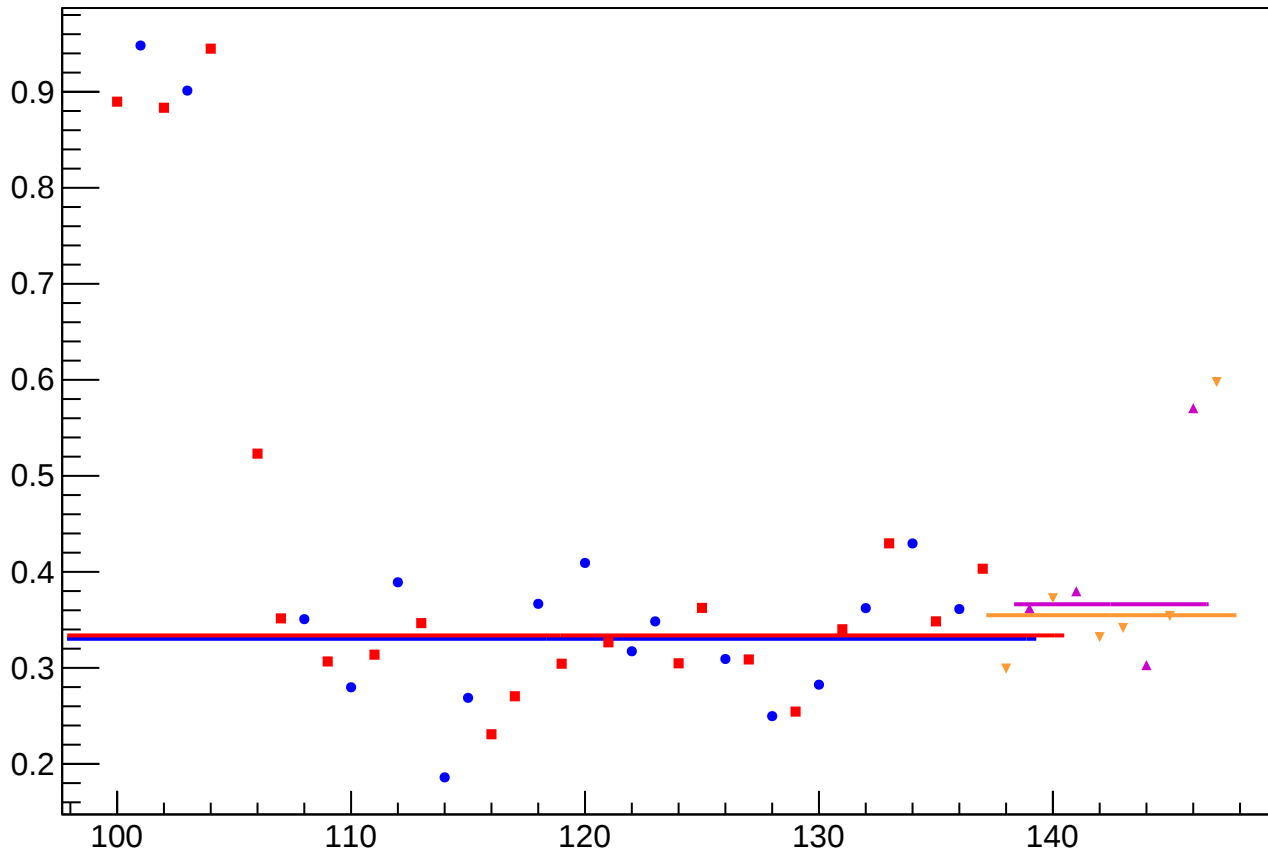
Left In: 149.056 +/- 0.000 χ^2/NDF : 306049.5/3

145.824 +/- 0.000 χ^2/NDF : 3875988730.6/22

145.940 +/- 0.000 χ^2/NDF : 8297755778.9/23

146.065 +/- 0.000 χ^2/NDF : 4419504800.0/23

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 +/- 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.355 +/- 0.000 χ^2/NDF : 297727.1/5

Right Out: 0.334 +/- 0.000 χ^2/NDF : 1177889.1/19

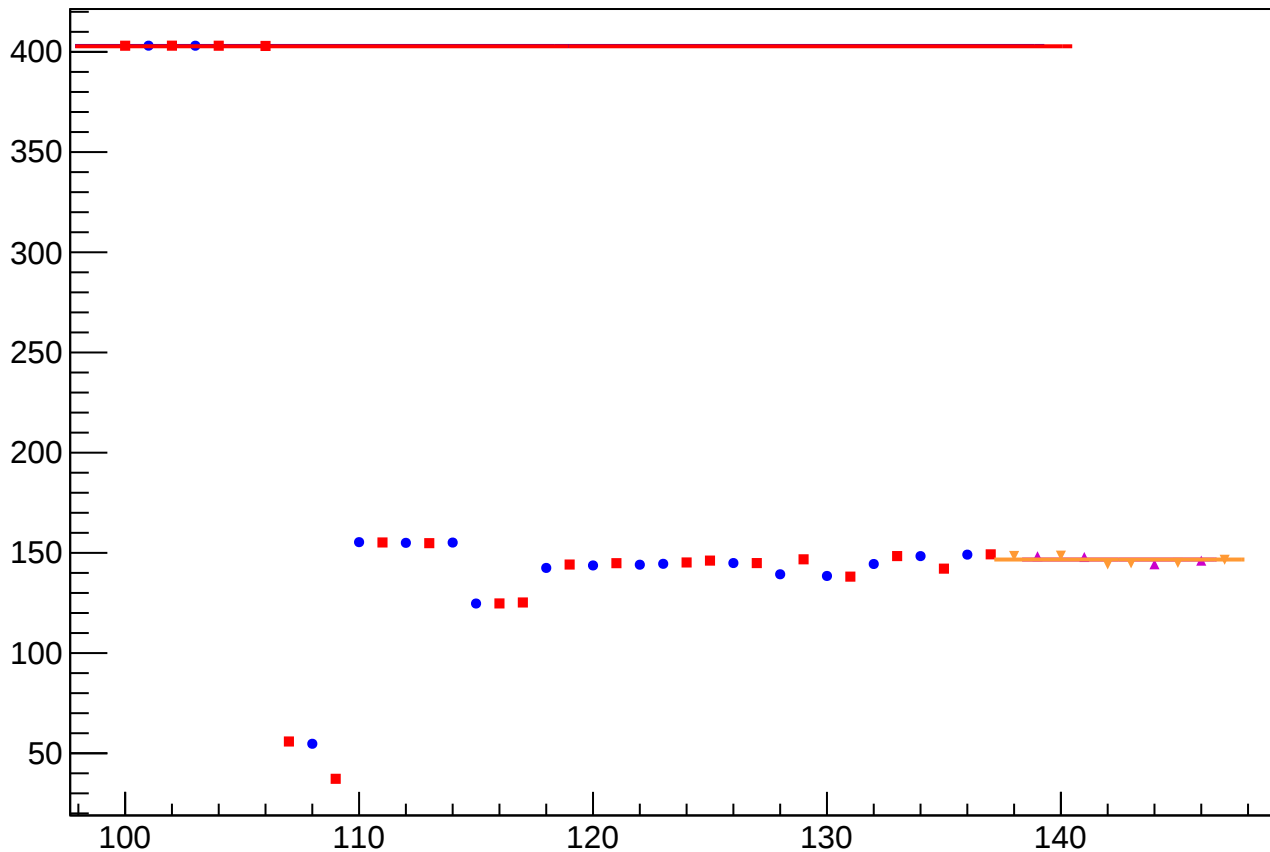
Left In: 0.366 +/- 0.000 χ^2/NDF : 277514.3/3

0.339 +/- 0.000 χ^2/NDF : 1604245.8/22

0.341 +/- 0.000 χ^2/NDF : 3093730.0/46

0.343 +/- 0.000 χ^2/NDF : 1488254.5/23

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.682+/-0.000 χ^2/NDF : 21557690.3/5

Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

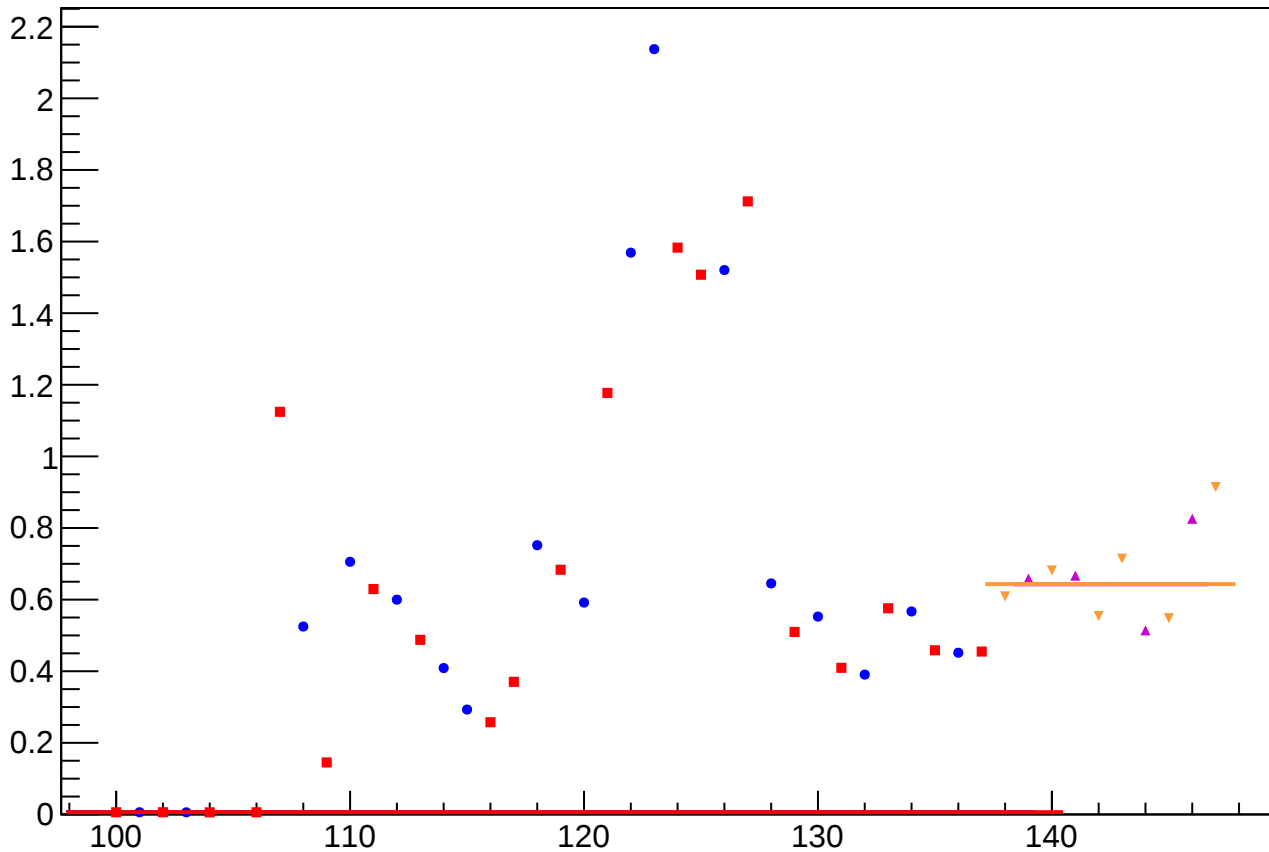
Left In: 146.670+/-0.000 χ^2/NDF : 15493187.5/3

402.904+/-0.000 χ^2/NDF : 1524318215522.3/22

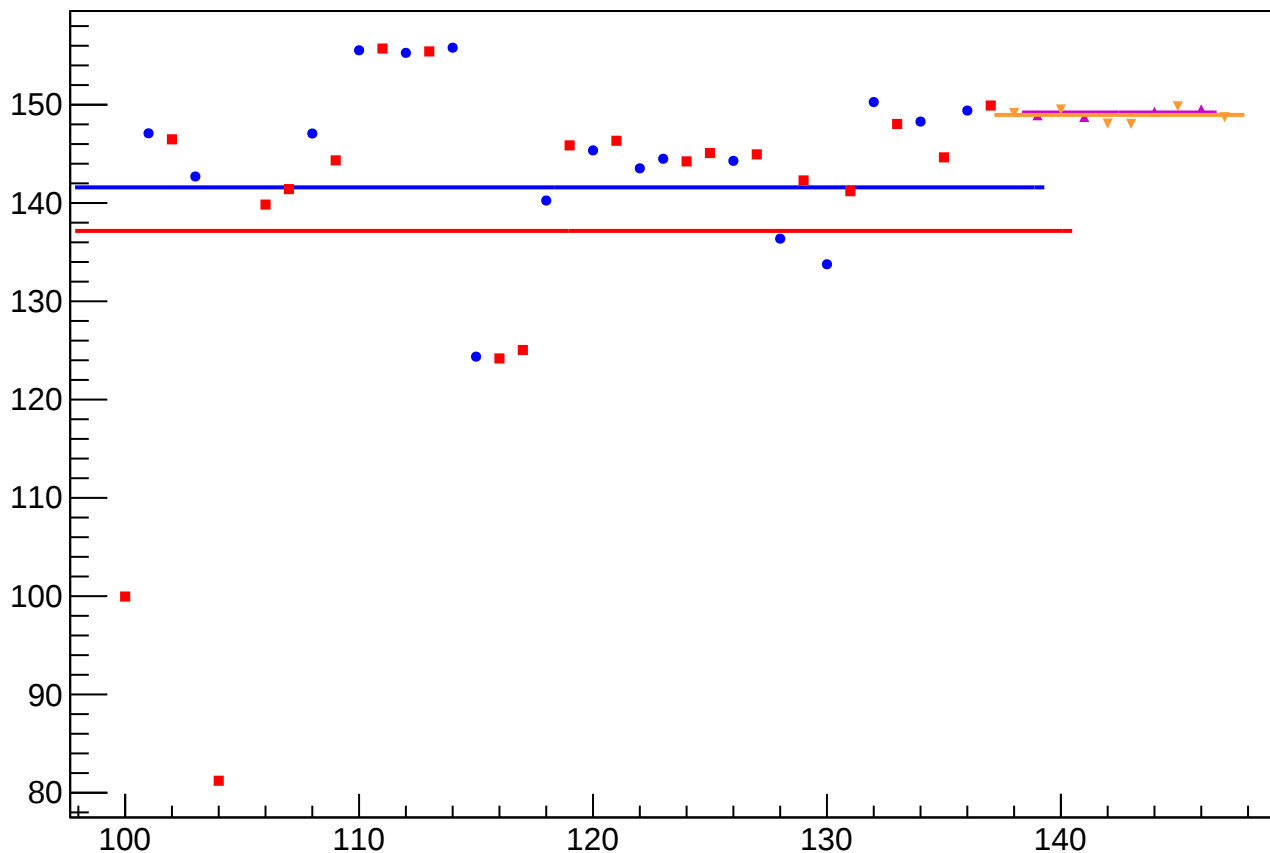
402.826+/-0.000 χ^2/NDF : 499399628569

402.758+/-0.000 χ^2/NDF : 3469328078123.9/23

yield_cav4bQ_rms vs Slug, Sign Corrected



yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.965+/-0.000 χ^2/NDF : 6601684.4/5

Right Out: 137.162+/-0.000 χ^2/NDF : 1366089515.6/19

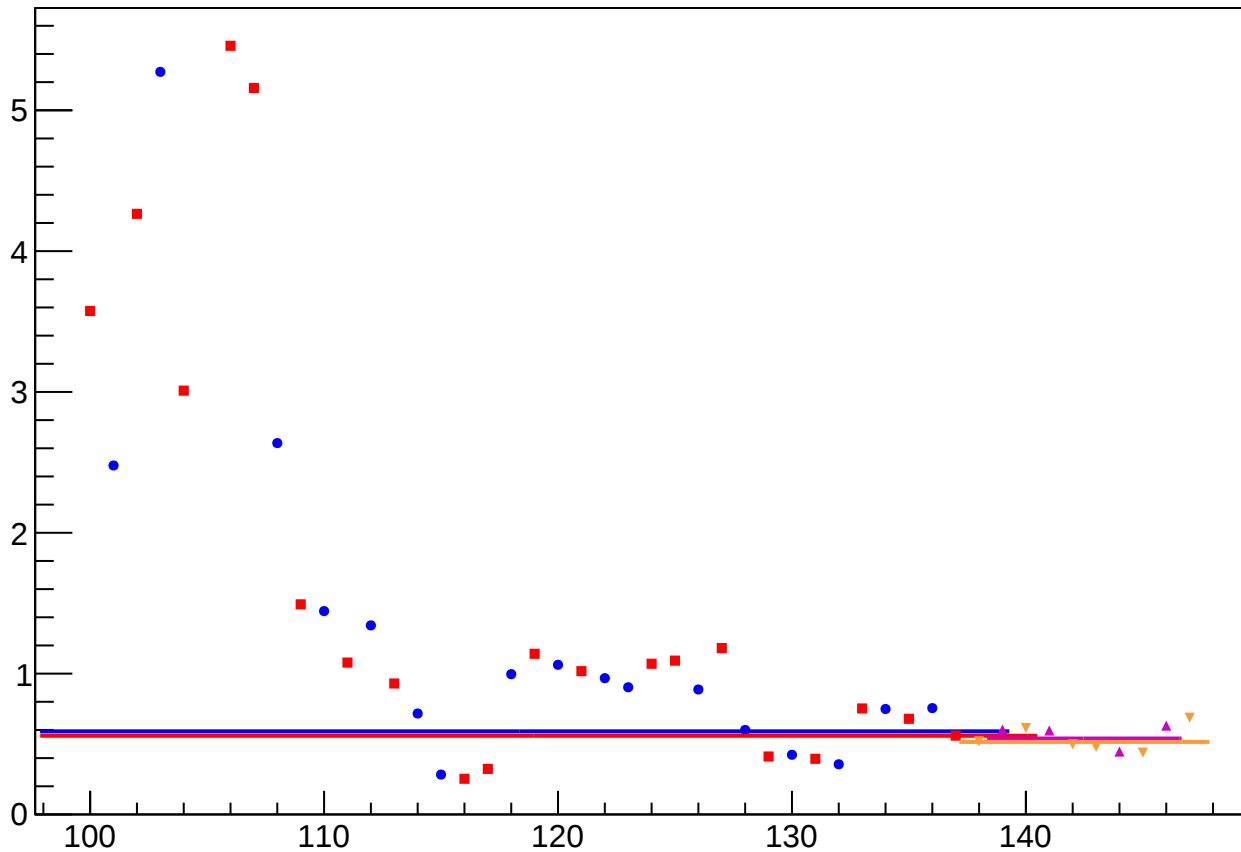
Left In: 149.209+/-0.000 χ^2/NDF : 622505.2/3

145.575+/-0.000 χ^2/NDF : 1283018596.9/22

144.063+/-0.000 χ^2/NDF : 3439697847.3/23

142.335+/-0.000 χ^2/NDF : 2049213200.2/23

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.515 $\pm$ 0.000 χ^2 /NDF:162949.9/5

Right Out: 0.559 $\pm$ 0.000 χ^2 /NDF: 4721291.1/19

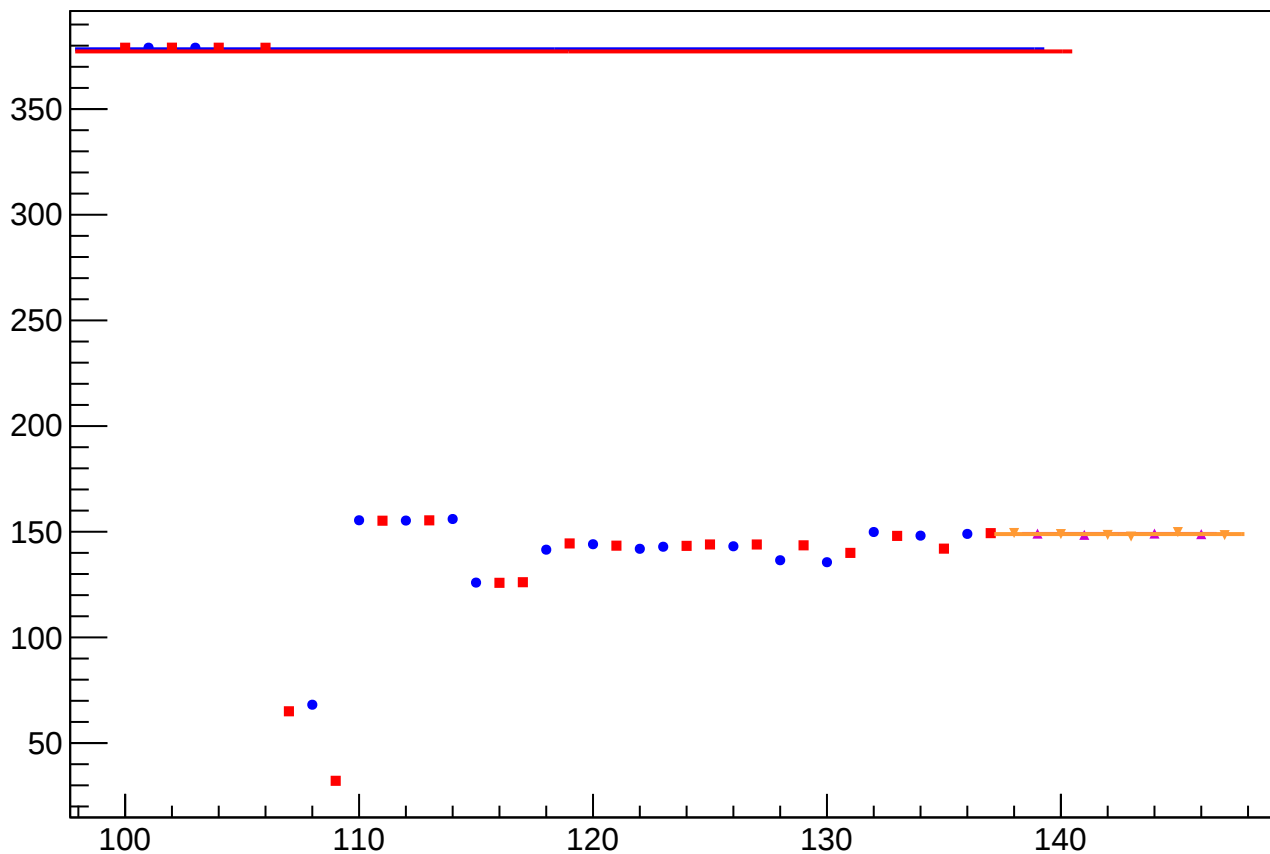
Left In: 0.539 $\pm$ 0.000 χ^2 /NDF:114993.7/3

0.550 $\pm$ 0.000 χ^2 /NDF: 3716614.9/22

0.550 $\pm$ 0.000 χ^2 /NDF: 8556501.5/46

0.550 $\pm$ 0.000 χ^2 /NDF: 4839875.8/23

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.895+/-0.000 χ^2/NDF : 13653794.7/5

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

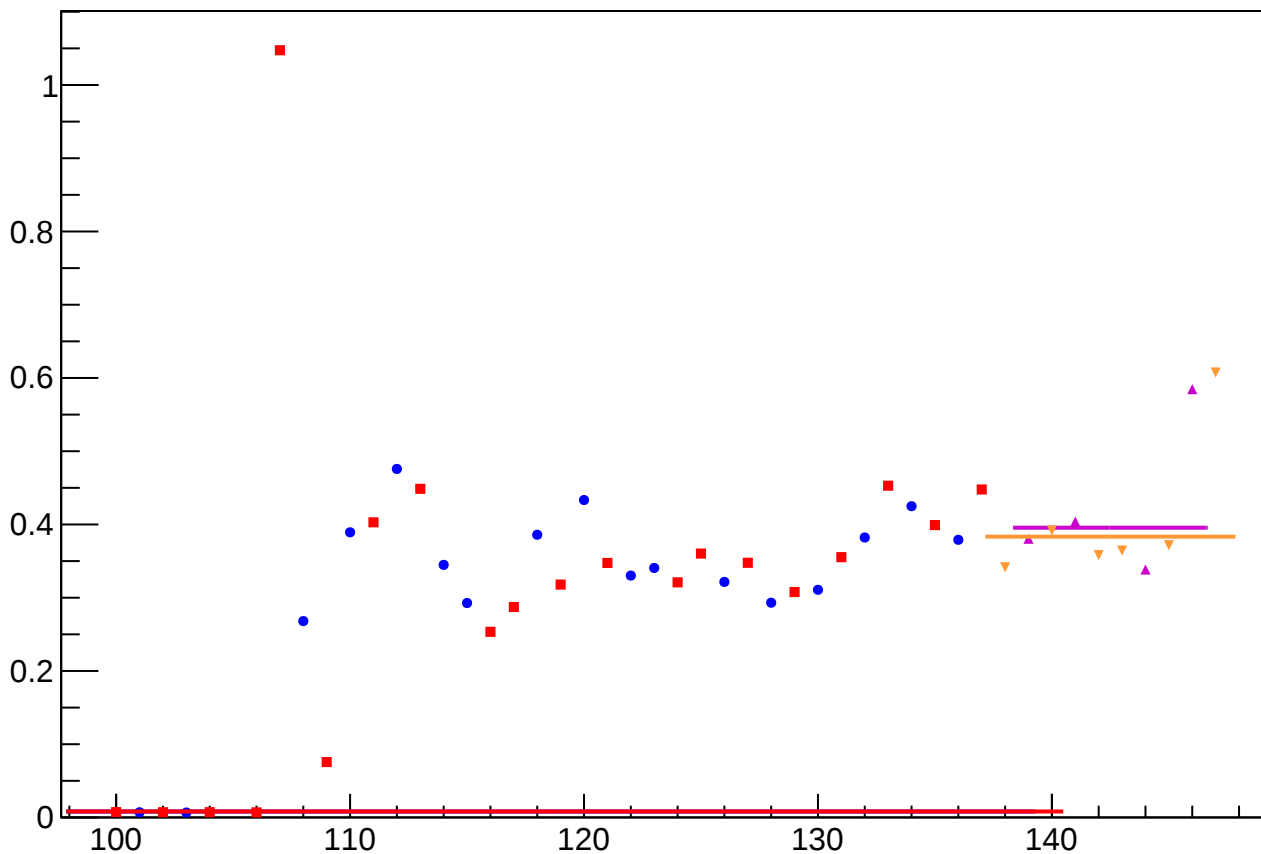
Left In: 148.952+/-0.000 χ^2/NDF : 1261135.7/3

377.830+/-0.000 χ^2/NDF : 3892398520523.3/22

377.381+/-0.000 χ^2/NDF : 132270495832

376.987+/-0.000 χ^2/NDF : 9329605300774.4/23

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.383 $\pm$ 0.000 χ^2/NDF : 231835.9/5

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9589375.6/19

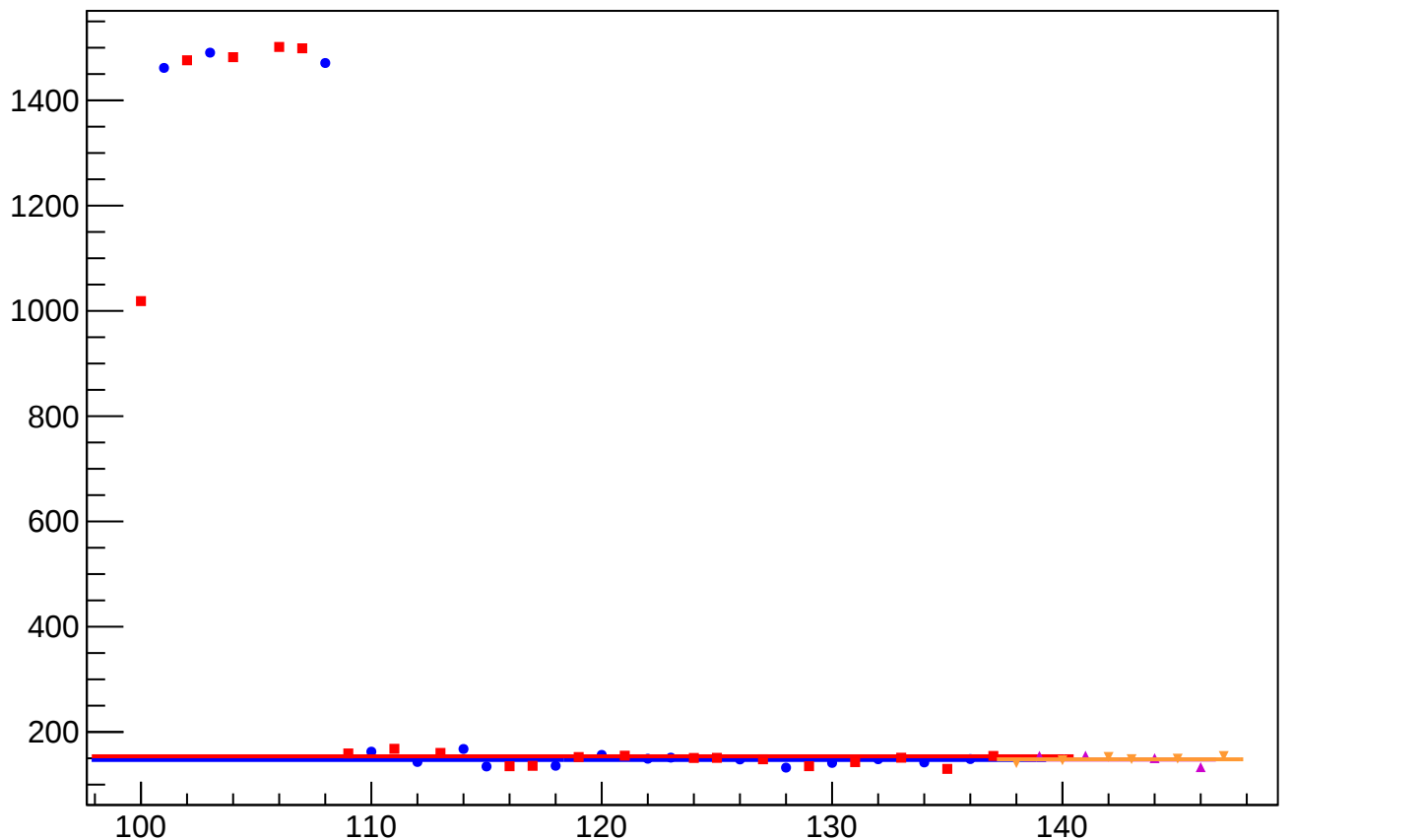
Left In: 0.396 $\pm$ 0.000 χ^2/NDF : 219072.1/3

0.009 $\pm$ 0.000 χ^2/NDF : 17446625.7/22

0.009 $\pm$ 0.000 χ^2/NDF : 33108242.3/46

0.009 $\pm$ 0.000 χ^2/NDF : 15660984.6/23

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 148.074+/-0.000 χ^2/NDF : 76006574.5/5

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

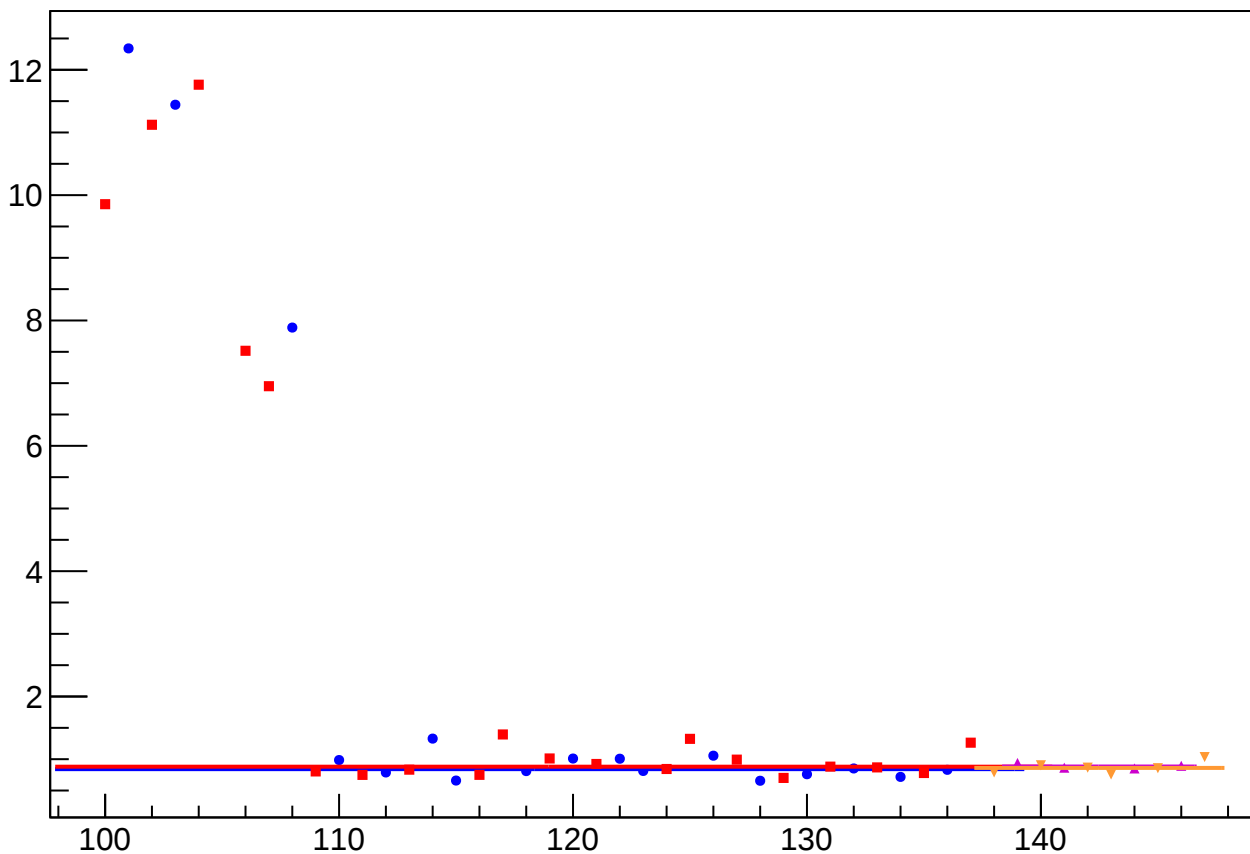
Left In: 147.649+/-0.001 χ^2/NDF : 259910698.7/3

147.359+/-0.000 χ^2/NDF : 24440389411.2/22

149.339+/-0.000 χ^2/NDF : 58597354395.6

151.521+/-0.000 χ^2/NDF : 34079994955.4/23

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 ± 0.000 $\chi^2/\text{NDF}: 2662395.1/16$

Left Out: 0.861 ± 0.000 $\chi^2/\text{NDF}: 65956.9/5$

Right Out: 0.880 ± 0.000 $\chi^2/\text{NDF}: 2825356.7/19$

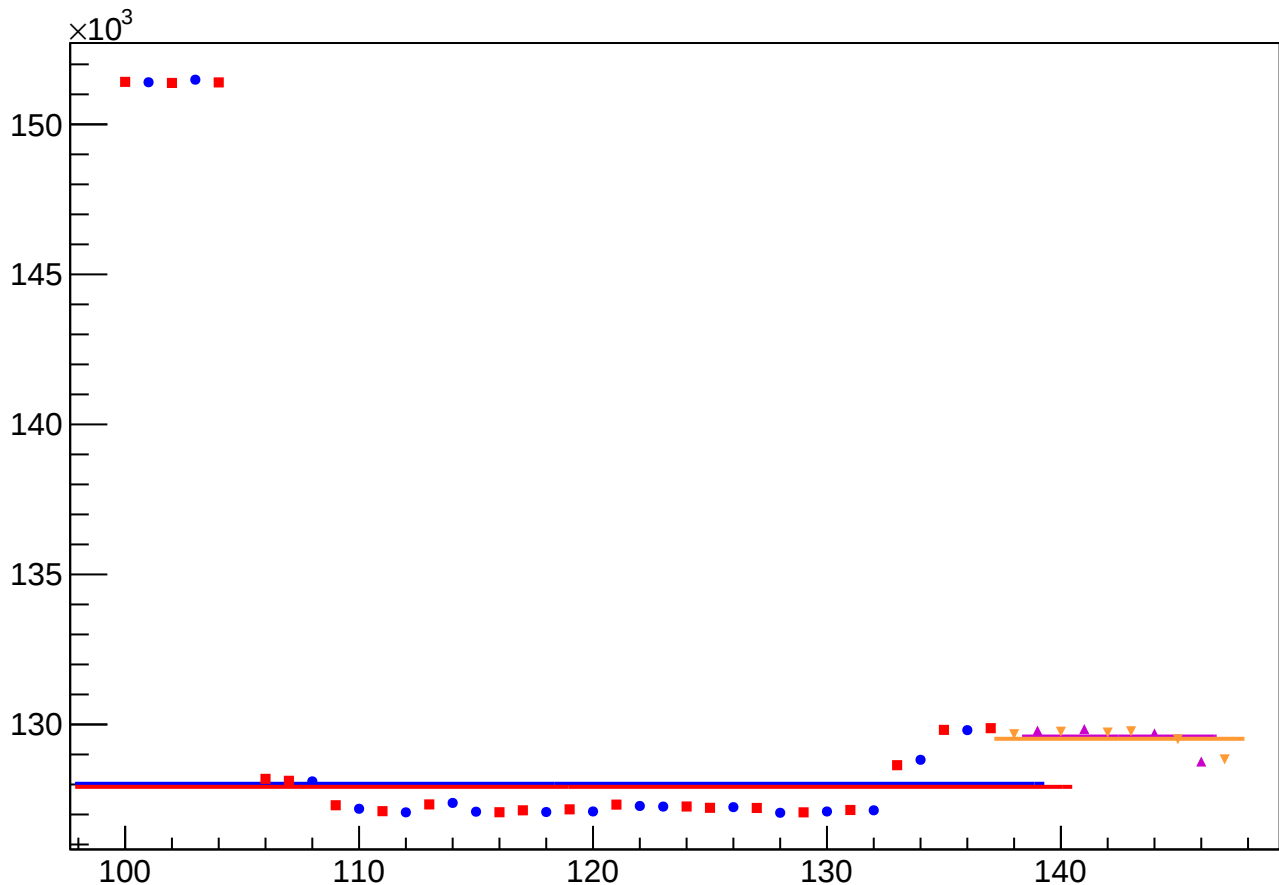
Left In: 0.883 ± 0.000 $\chi^2/\text{NDF}: 6191.5/3$

0.850 ± 0.000 $\chi^2/\text{NDF}: 2730103.4/22$

0.865 ± 0.000 $\chi^2/\text{NDF}: 5570608.9/46$

0.881 ± 0.000 $\chi^2/\text{NDF}: 2831577.8/23$

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129522.828 $\pm$ 0.085 χ^2 /NDF: 18370397.9/5

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

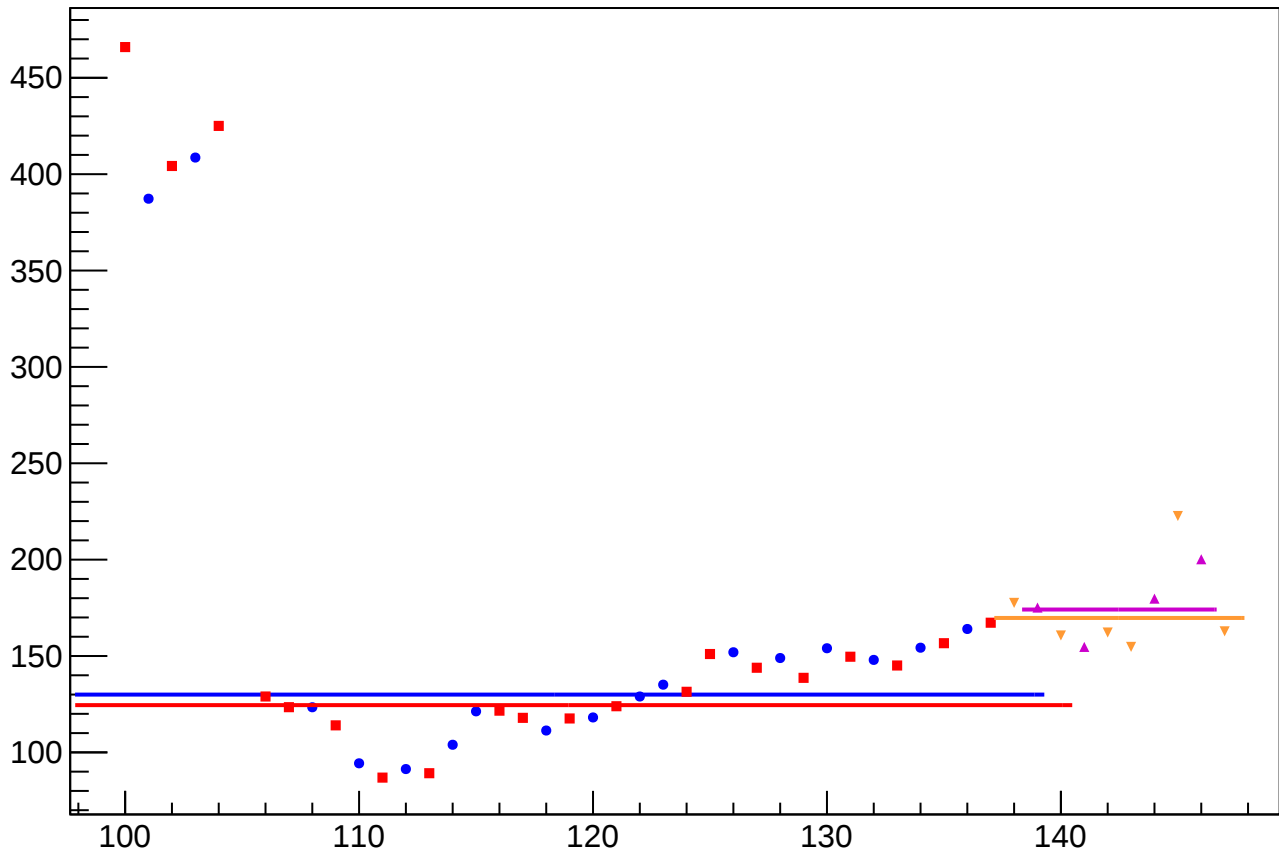
Left In: 129597.638 $\pm$ 0.098 χ^2 /NDF: 16822418.6/3

128464.123 $\pm$ 0.046 χ^2 /NDF: 4556998528.1/22

128364.235 $\pm$ 0.032 χ^2 /NDF: 858380898

128269.364 $\pm$ 0.045 χ^2 /NDF: 4017548176.5/23

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 169.746 $\pm$ 0.060 χ^2 /NDF:110784.8/5

Right Out: 124.514 $\pm$ 0.035 χ^2 /NDF: 1531546.7/19

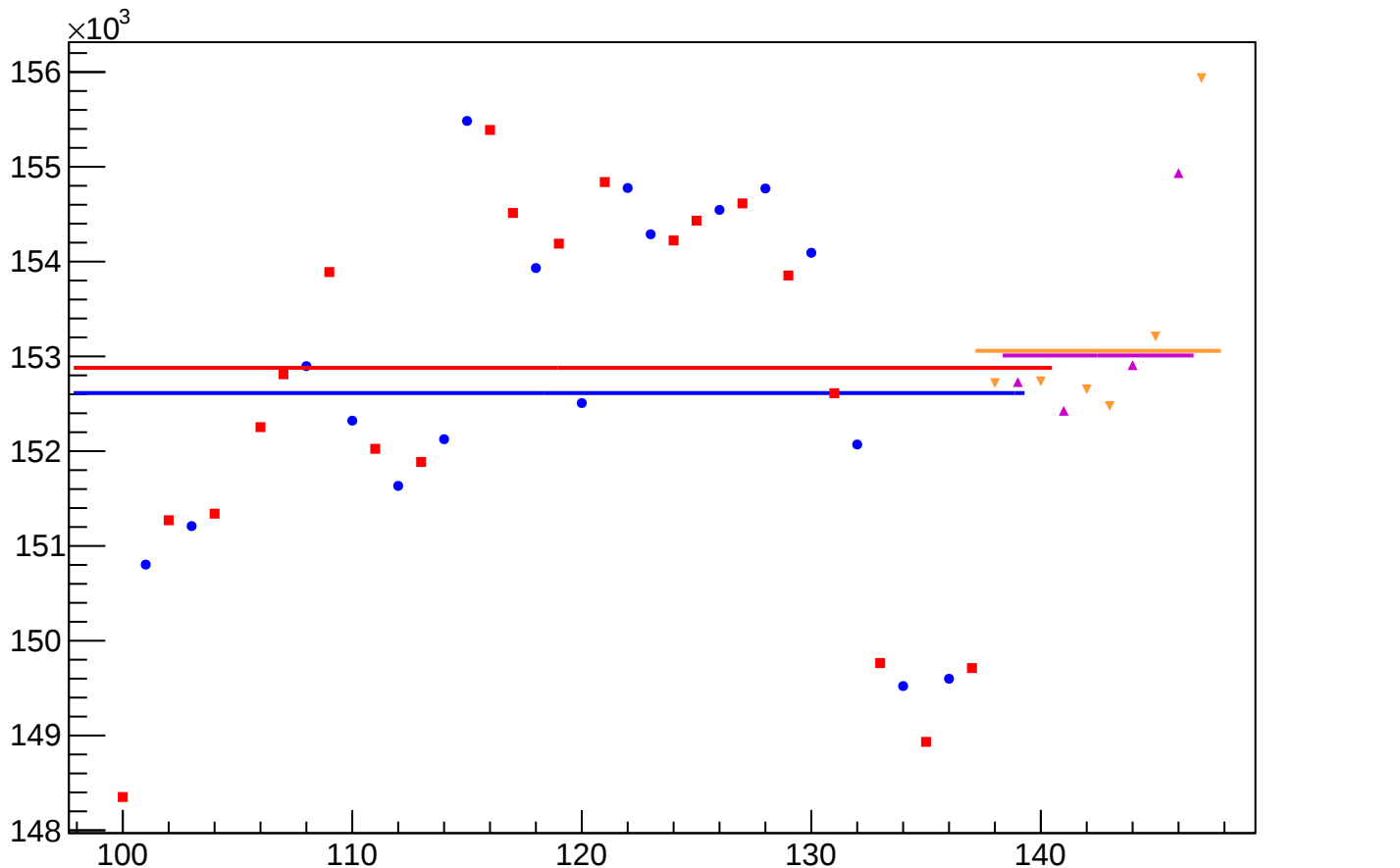
Left In: 174.117 $\pm$ 0.069 χ^2 /NDF:54494.0/3

141.666 $\pm$ 0.032 χ^2 /NDF: 1908782.4/22

138.151 $\pm$ 0.023 χ^2 /NDF: 3923601.0/46

134.813 $\pm$ 0.032 χ^2 /NDF: 1991886.8/23

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153059.159 $\pm$ 0.092 χ^2 /NDF: 110606651.9/5

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

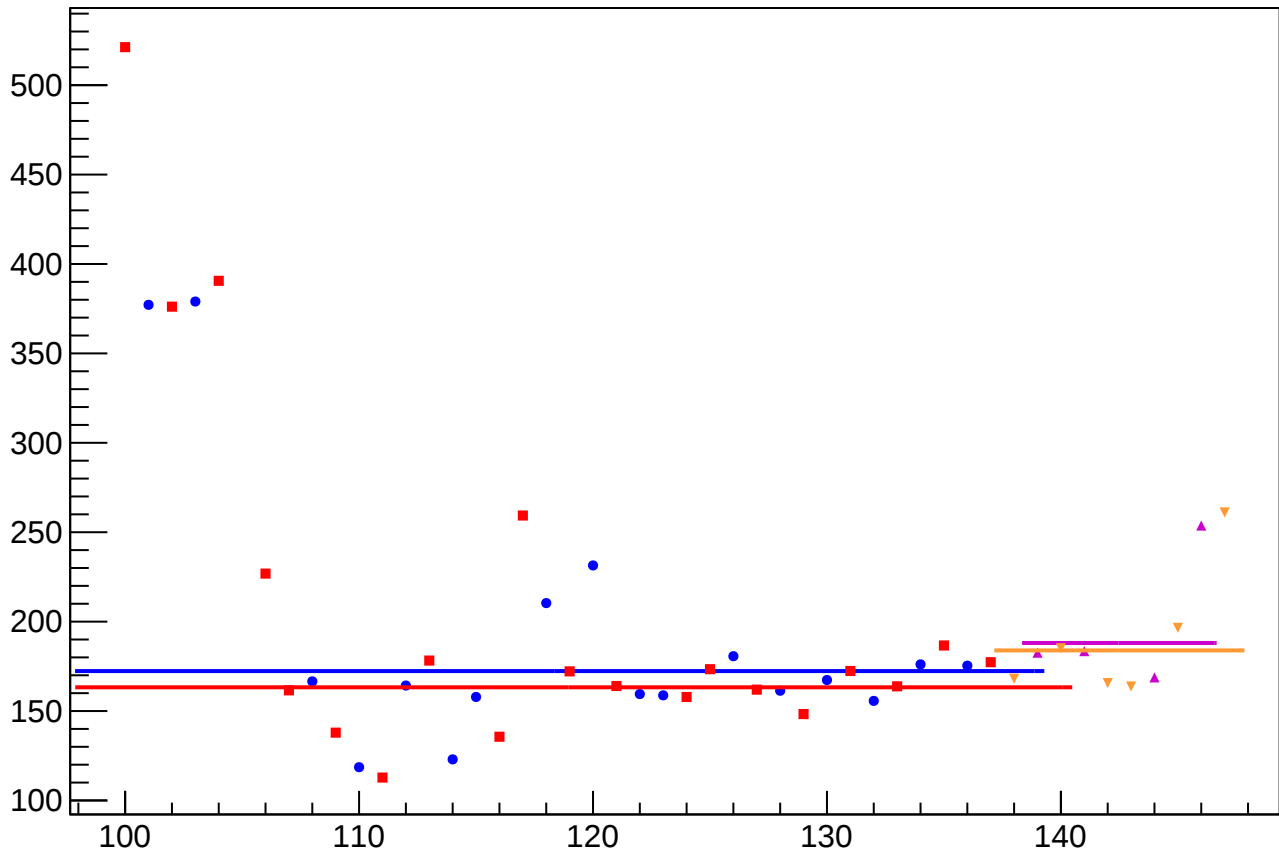
Left In: 153009.722 $\pm$ 0.106 χ^2 /NDF: 55691617.3/3

152782.344 $\pm$ 0.057 χ^2 /NDF: 748415642.1/22

152849.937 $\pm$ 0.040 χ^2 /NDF: 152587666

152915.717 $\pm$ 0.056 χ^2 /NDF: 774679507.2/23

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 183.906+/-0.065 χ^2/NDF : 184059.4/5

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

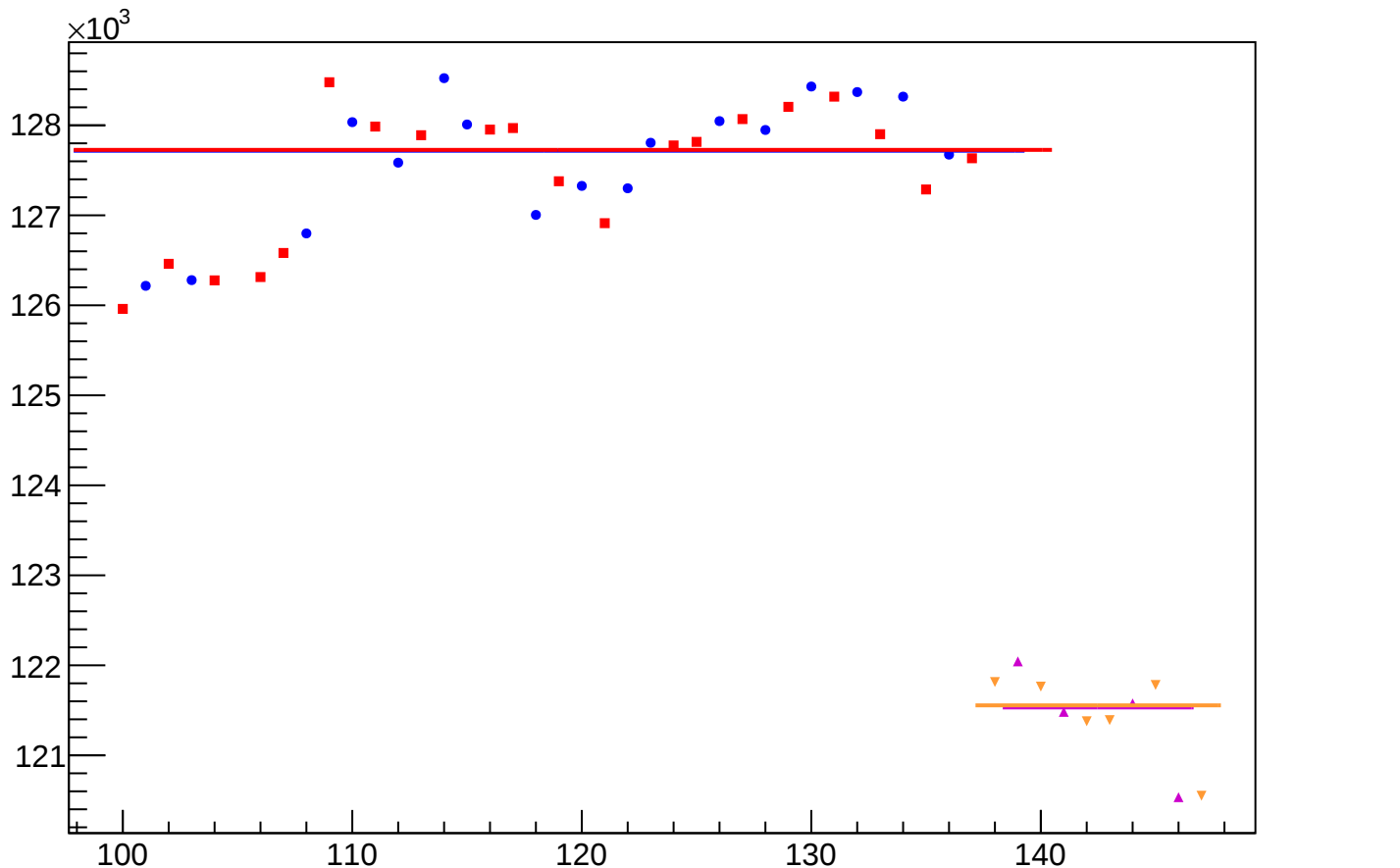
Left In: 188.071+/-0.075 χ^2/NDF : 129706.8/3

176.735+/-0.040 χ^2/NDF : 1125369.8/22

173.411+/-0.028 χ^2/NDF : 2390295.3/46

170.176+/-0.040 χ^2/NDF : 1251471.4/23

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 ± 0.058 $\chi^2/\text{NDF}: 95177660.2/16$

Left Out: 121555.065 ± 0.079 $\chi^2/\text{NDF}: 18189062.7/5$

Right Out: 127726.969 ± 0.054 $\chi^2/\text{NDF}: 112752557.5/19$

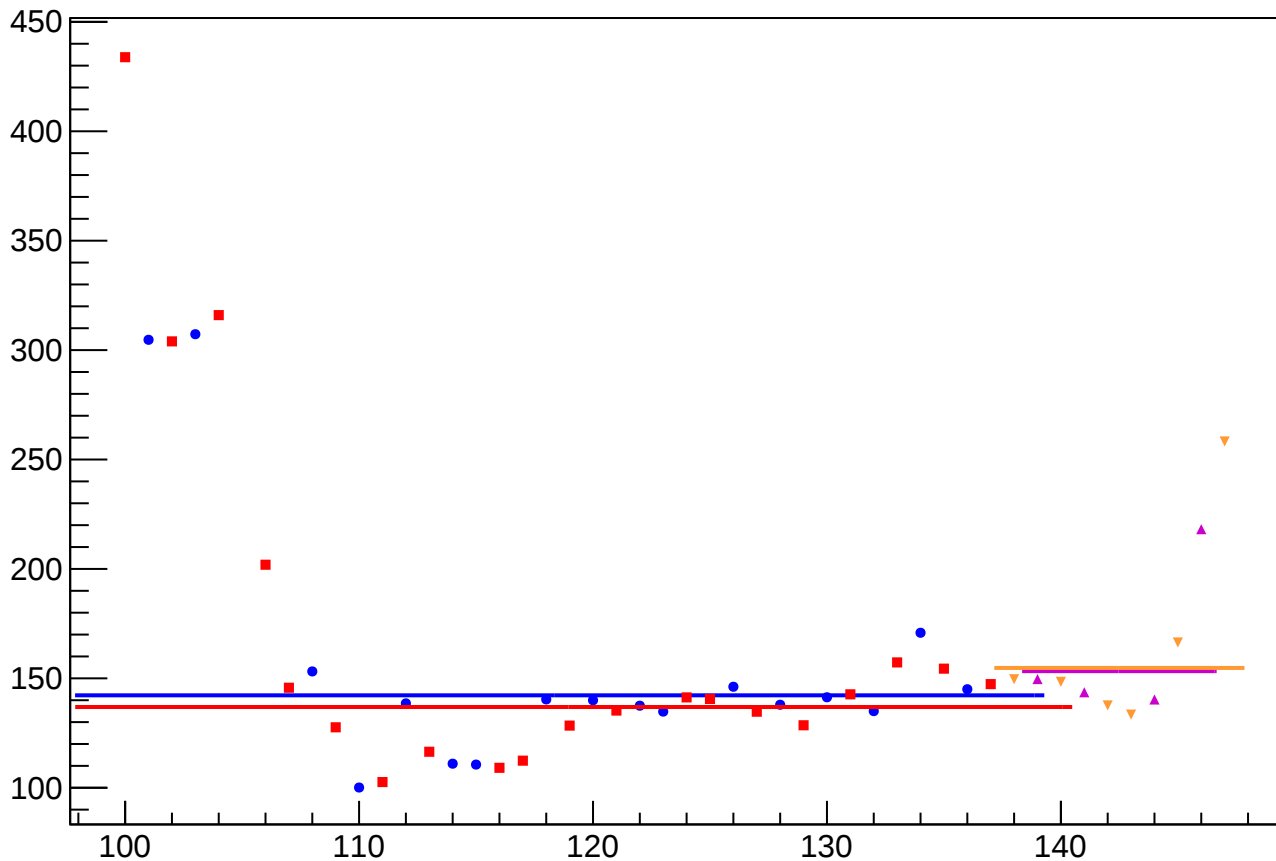
Left In: 121532.003 ± 0.087 $\chi^2/\text{NDF}: 24719970.0/3$

125542.294 ± 0.047 $\chi^2/\text{NDF}: 4060217073.3/23$

125776.396 ± 0.033 $\chi^2/\text{NDF}: 787656926$

126002.607 ± 0.046 $\chi^2/\text{NDF}: 3767322463.9/23$

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 154.755+/-0.056 χ^2/NDF : 303547.2/5

Right Out: 136.904+/-0.038 χ^2/NDF : 961858.5/19

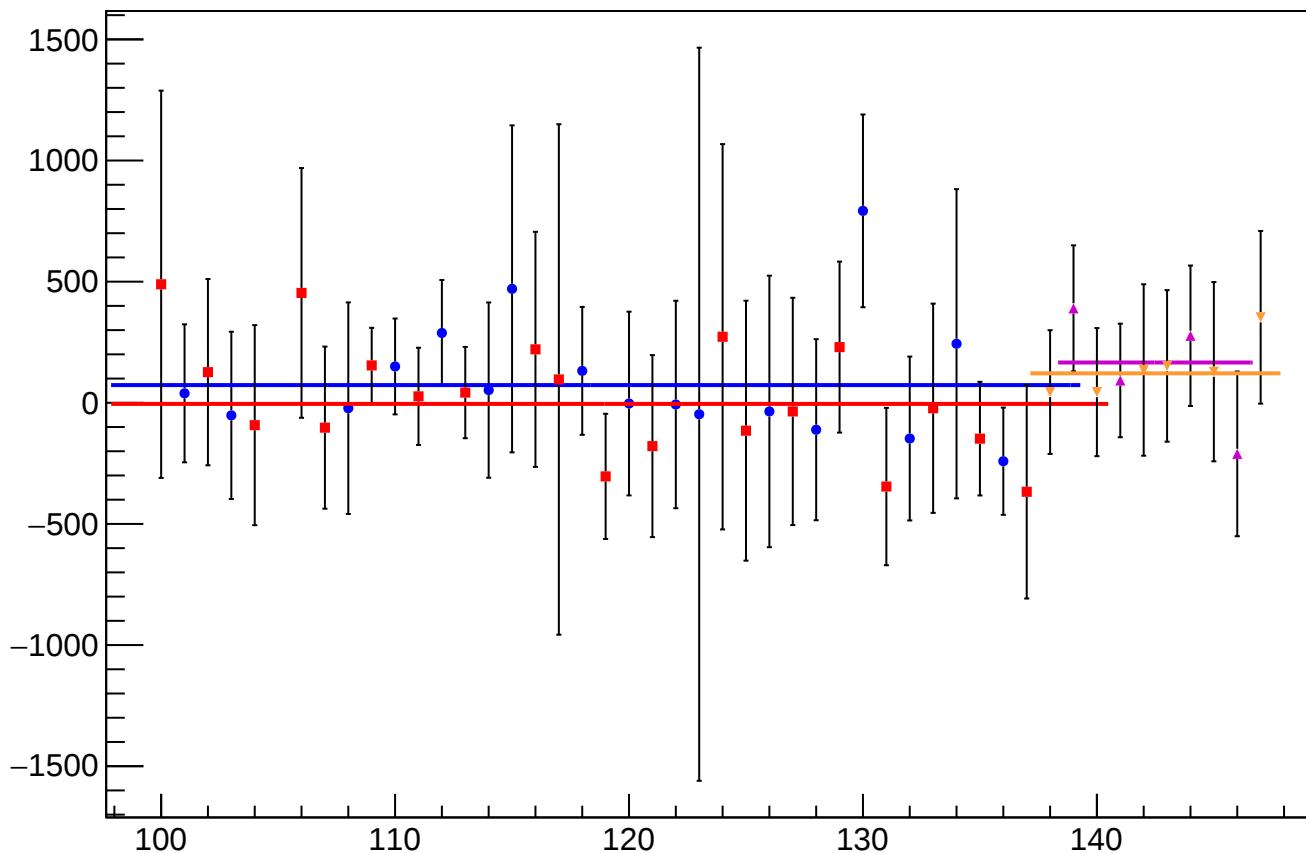
Left In: 153.292+/-0.062 χ^2/NDF : 159695.4/3

146.658+/-0.033 χ^2/NDF : 1172514.7/22

144.017+/-0.023 χ^2/NDF : 2357356.2/46

141.465+/-0.033 χ^2/NDF : 1172361.8/23

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 121.598+/-125.959 χ^2/NDF : 0.6/5

Right Out: -4.574+/-69.944 χ^2/NDF : 7.1/19

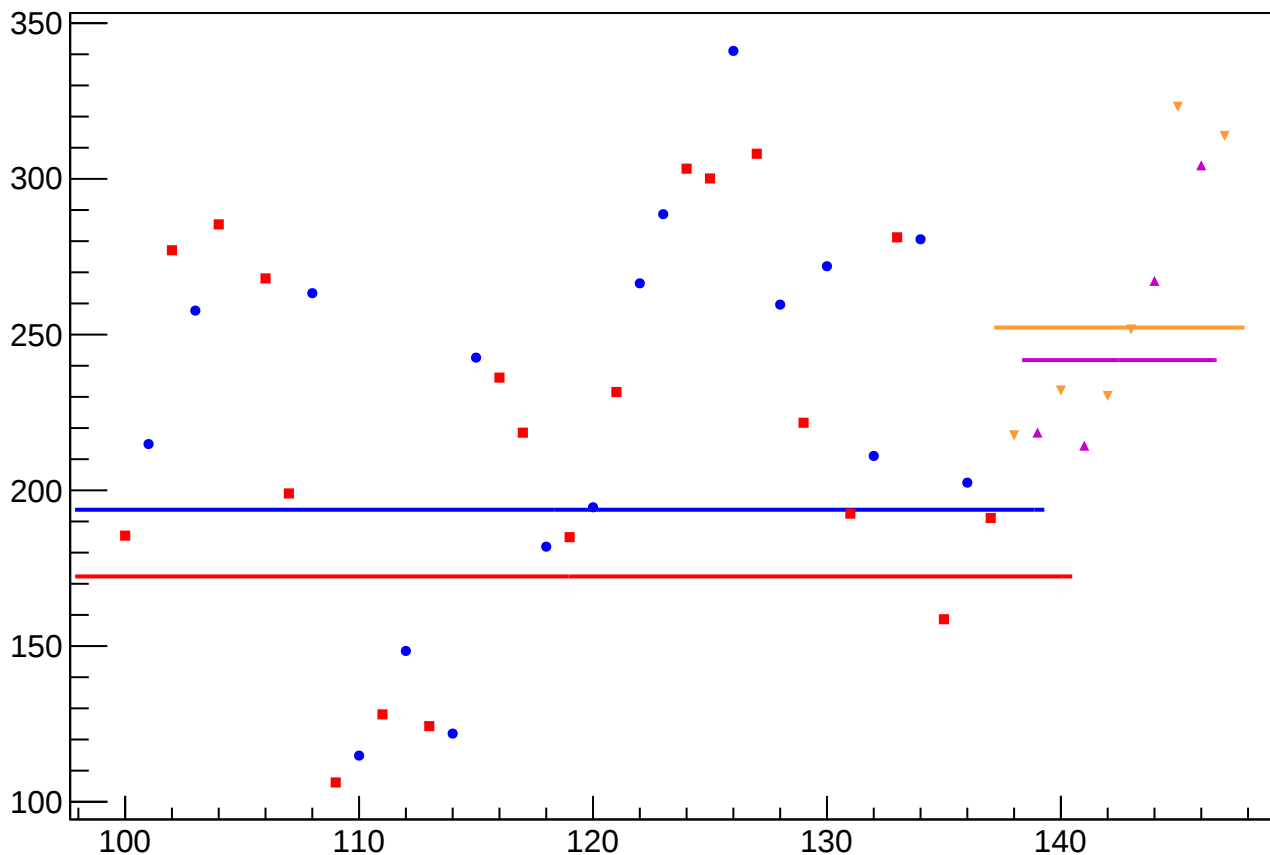
Left In: 166.318+/-136.683 χ^2/NDF : 2.2/3

86.948+/-67.292 χ^2/NDF : 8.6/22

56.747+/-45.702 χ^2/NDF : 19.5/46

30.889+/-62.265 χ^2/NDF : 10.5/23

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 252.272 $\pm$ 0.089 χ^2 /NDF:189244.5/5

Right Out: 172.346 $\pm$ 0.049 χ^2 /NDF: 1583893.0/19

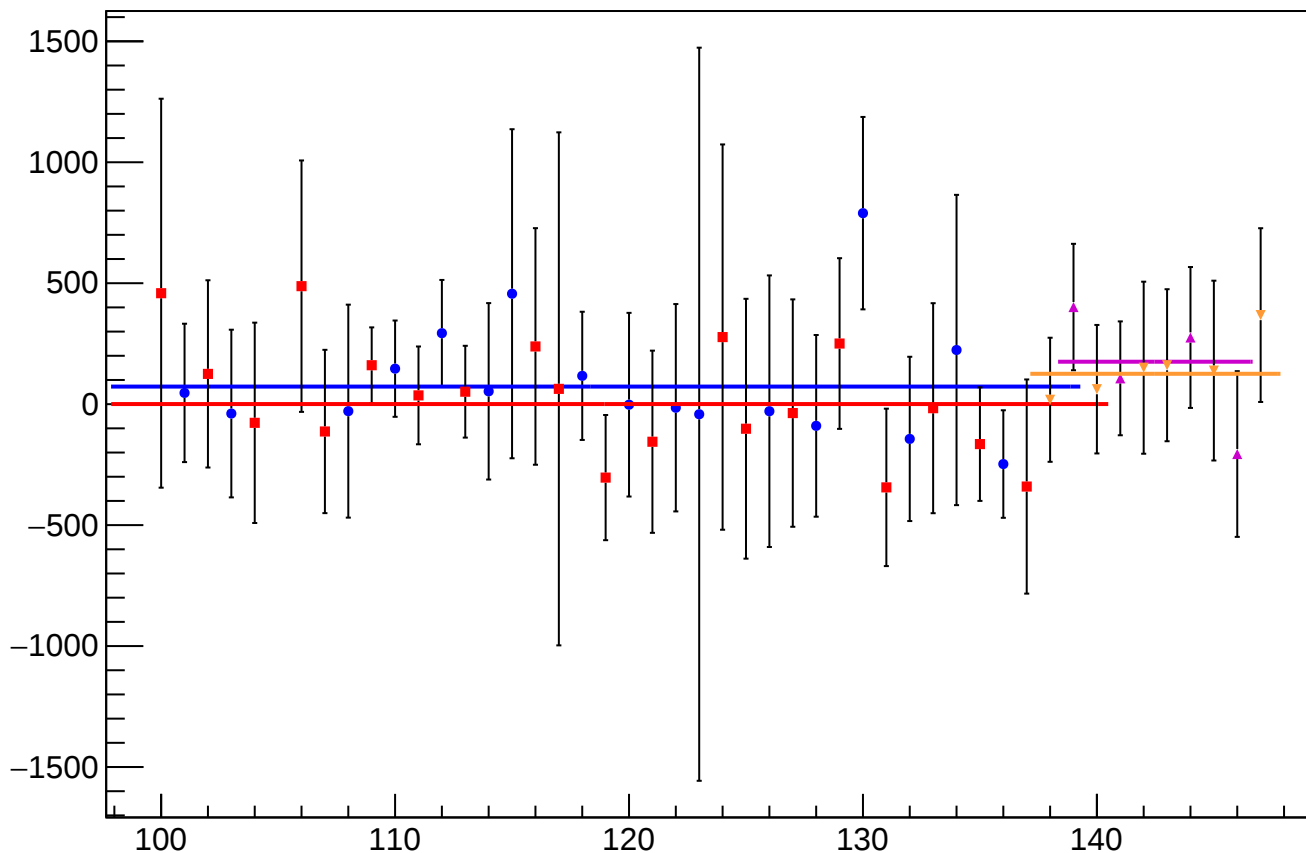
Left In: 241.813 $\pm$ 0.097 χ^2 /NDF:126531.5/3

210.469 $\pm$ 0.048 χ^2 /NDF: 1514598.5/22

197.697 $\pm$ 0.032 χ^2 /NDF: 3768150.3/46

186.762 $\pm$ 0.044 χ^2 /NDF: 2119820.3/23

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 125.534+/-126.584 χ^2/NDF : 0.7/5

Right Out: 0.459+/-70.312 χ^2/NDF : 7.3/19

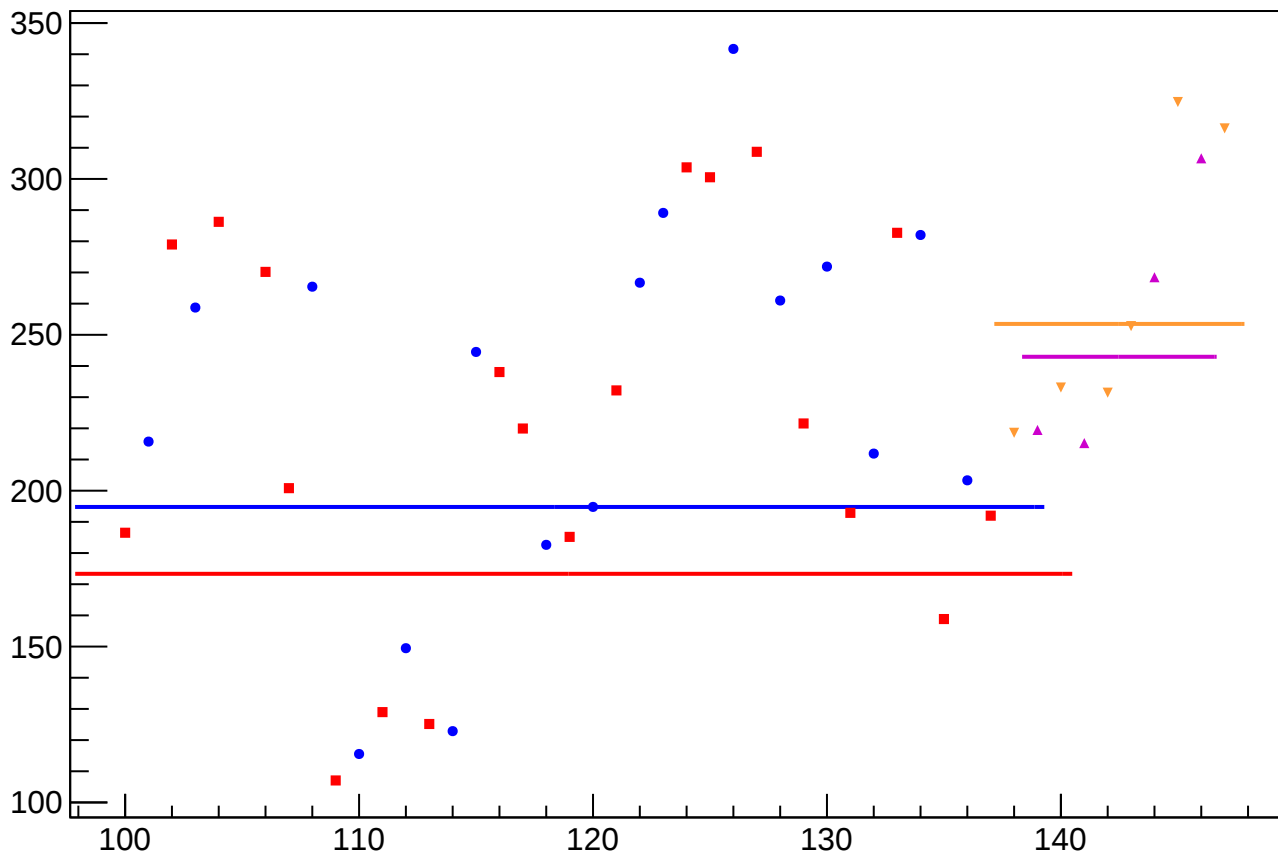
Left In: 175.446+/-137.351 χ^2/NDF : 2.2/3

87.759+/-67.622 χ^2/NDF : 8.6/22

60.309+/-45.933 χ^2/NDF : 19.7/46

36.793+/-62.587 χ^2/NDF : 10.8/23

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 253.494 $\pm$ 0.090 χ^2 /NDF:190951.2/5

Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

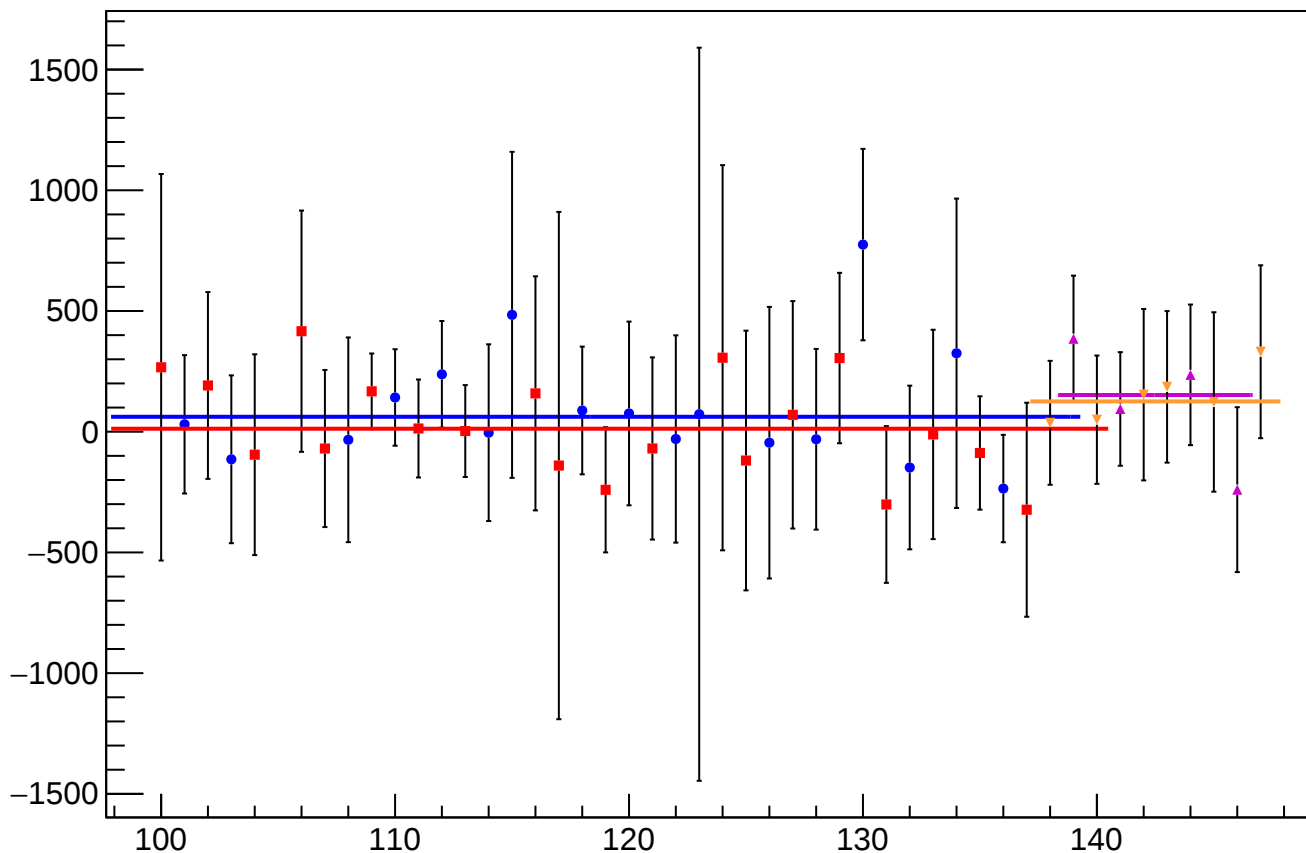
Left In: 242.957 $\pm$ 0.097 χ^2 /NDF:128228.0/3

211.537 $\pm$ 0.048 χ^2 /NDF: 1506715.6/22

198.748 $\pm$ 0.032 χ^2 /NDF: 3746340.3/46

187.793 $\pm$ 0.044 χ^2 /NDF: 2106813.0/23

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 ± 79.986 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 125.557 ± 126.521 $\chi^2/\text{NDF}: 0.6/5$

Right Out: 12.417 ± 70.233 $\chi^2/\text{NDF}: 5.8/19$

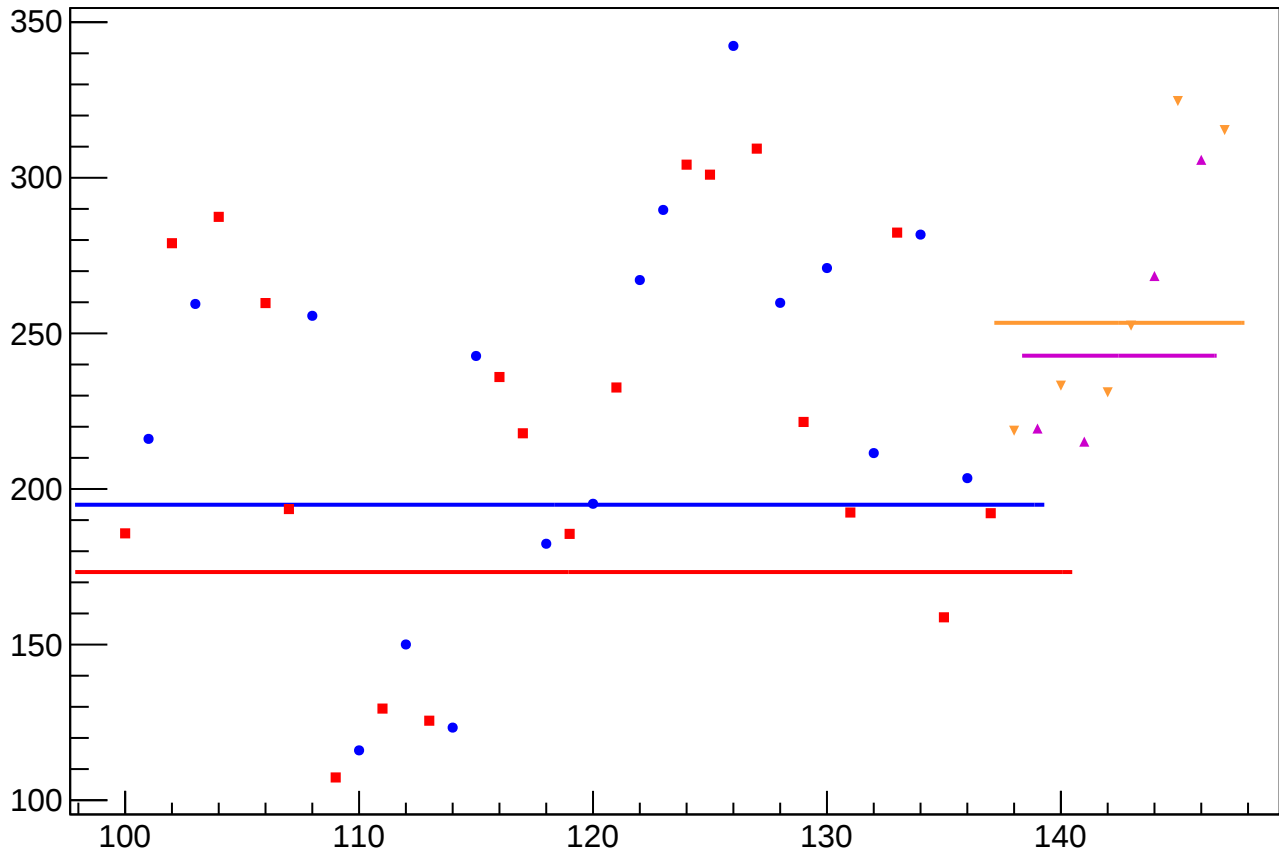
Left In: 152.000 ± 137.262 $\chi^2/\text{NDF}: 2.3/3$

80.016 ± 67.609 $\chi^2/\text{NDF}: 8.0/22$

59.190 ± 45.904 $\chi^2/\text{NDF}: 17.1/46$

41.378 ± 62.524 $\chi^2/\text{NDF}: 8.9/23$

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 ± 0.057 χ^2/NDF : 986629.1/16

Left Out: 253.397 ± 0.089 χ^2/NDF : 189339.9/5

Right Out: 173.309 ± 0.050 χ^2/NDF : 1548342.3/19

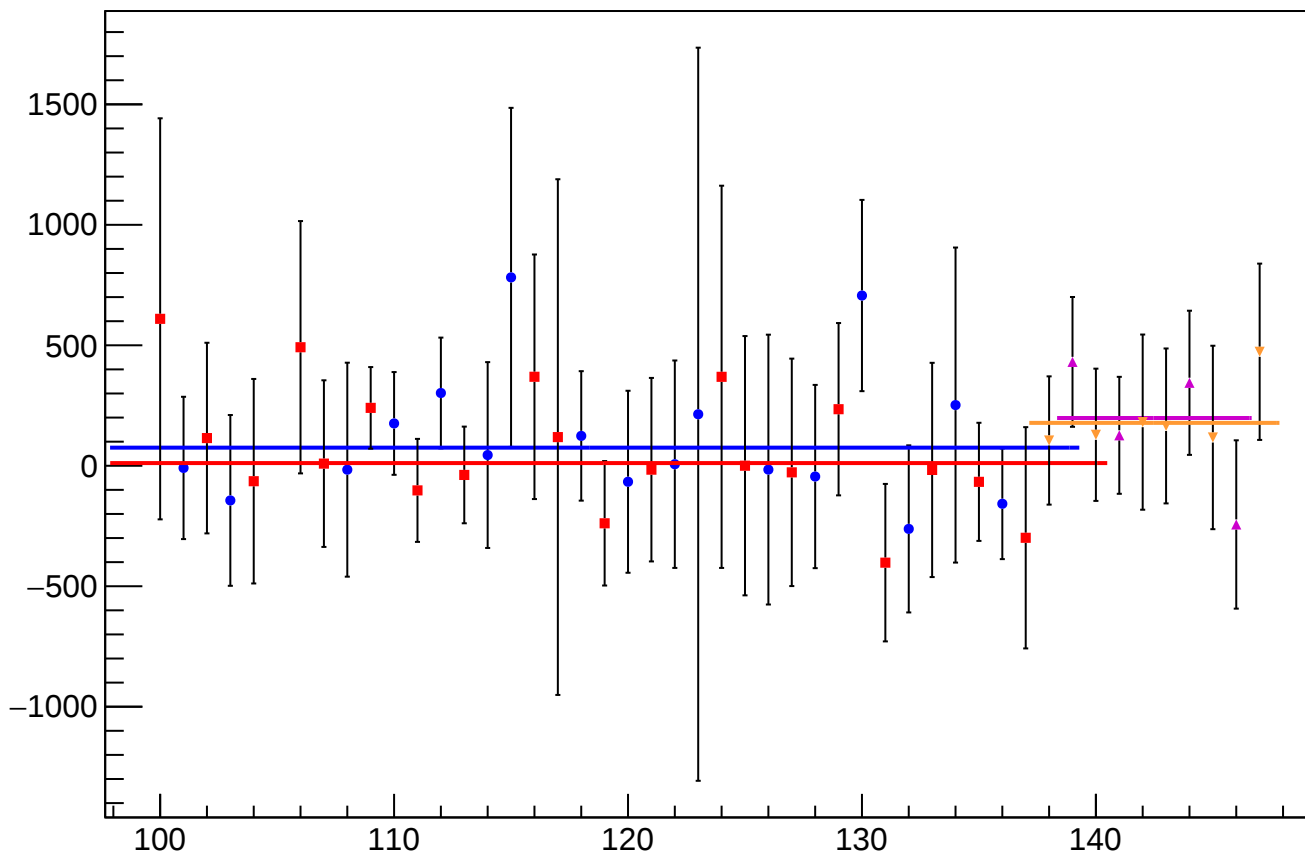
Left In: 242.831 ± 0.097 χ^2/NDF : 126962.8/3

211.631 ± 0.048 χ^2/NDF : 1481018.9/22

198.750 ± 0.032 χ^2/NDF : 3697623.0/46

187.734 ± 0.044 χ^2/NDF : 2081915.3/23

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 178.016 $\pm$ 130.186 χ^2 /NDF:0.8/5

Right Out: 11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

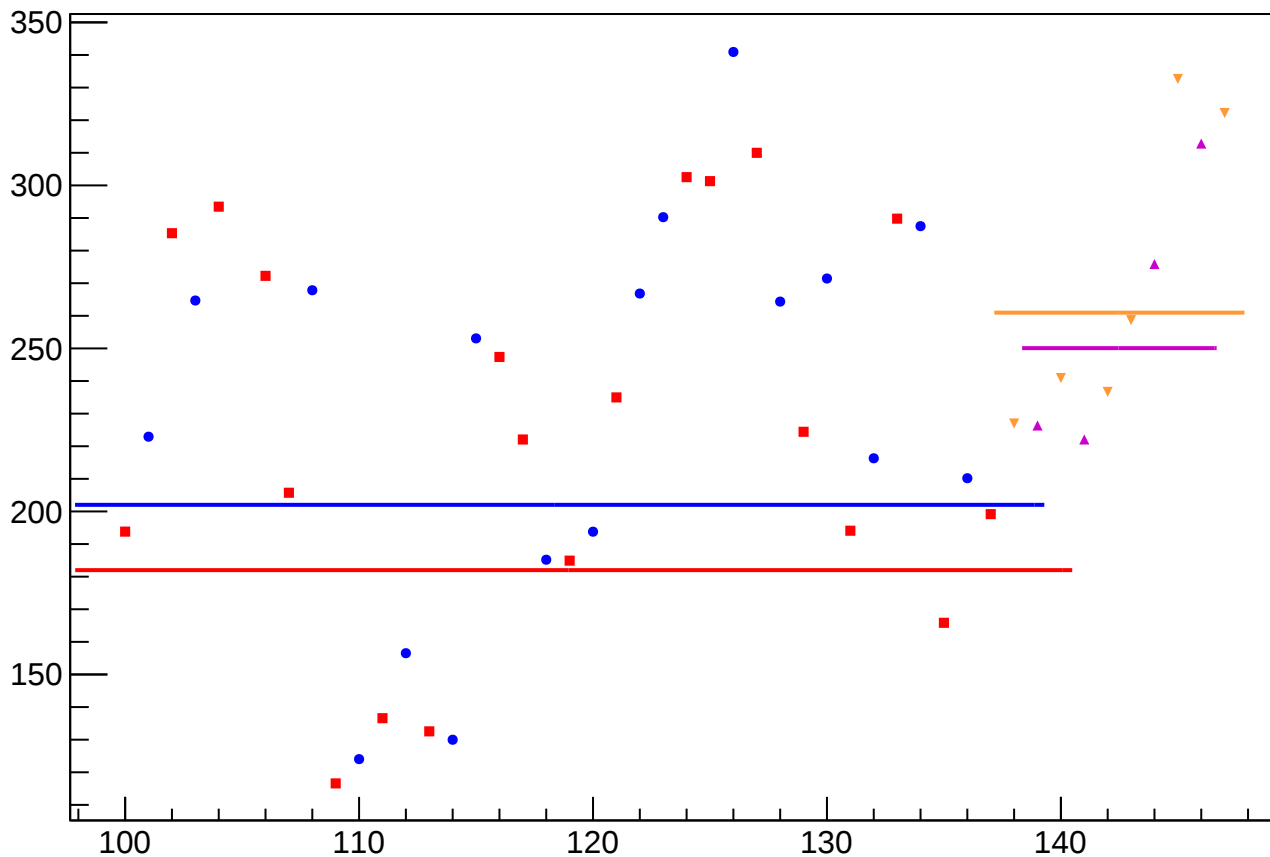
Left In: 198.234 $\pm$ 141.251 χ^2 /NDF:2.7/3

104.666 $\pm$ 69.688 χ^2 /NDF: 8.9/22

75.821 $\pm$ 47.520 χ^2 /NDF: 21.1/46

50.751 $\pm$ 64.968 χ^2 /NDF: 11.9/23

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2/NDF : 881608.7/16

Left Out: 260.969 $\pm$ 0.092 χ^2/NDF : 179239.8/5

Right Out: 182.000 $\pm$ 0.052 χ^2/NDF : 1380354.3/19

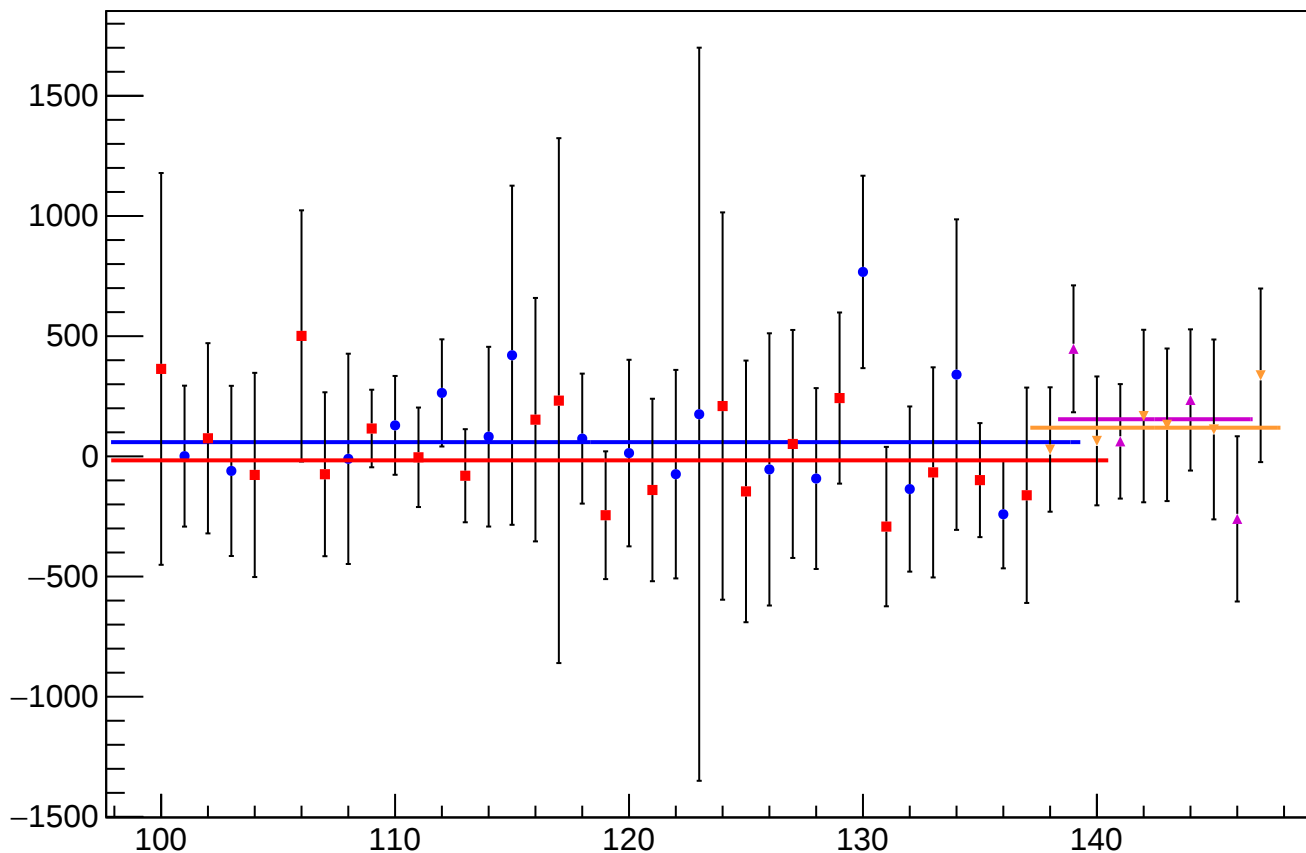
Left In: 250.087 $\pm$ 0.100 χ^2/NDF : 121543.9/3

218.918 $\pm$ 0.049 χ^2/NDF : 1353319.0/22

206.872 $\pm$ 0.034 χ^2/NDF : 3333305.3/46

196.403 $\pm$ 0.046 χ^2/NDF : 1868299.2/23

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 119.214+/-127.682 χ^2/NDF : 0.5/5

Right Out: -16.650+/-71.745 χ^2/NDF : 4.7/19

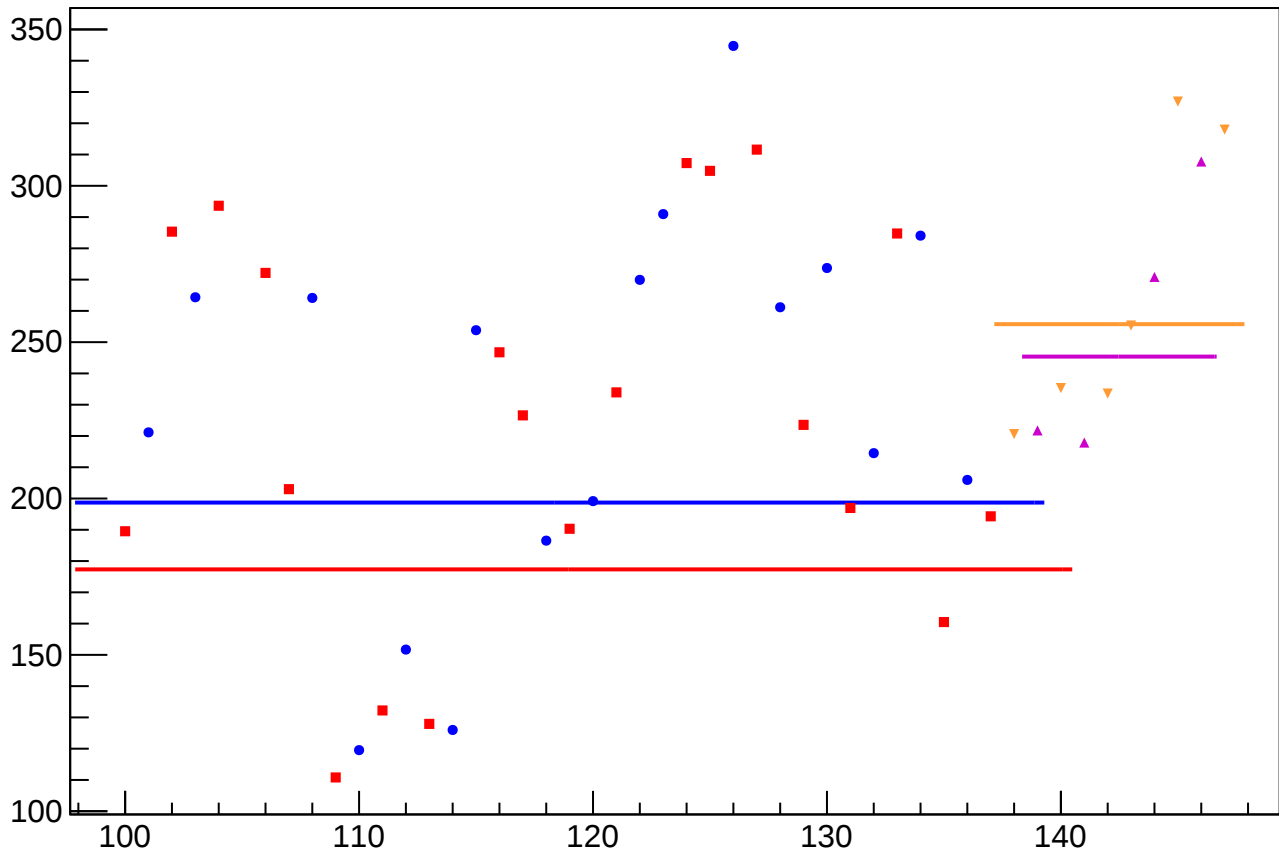
Left In: 154.478+/-138.649 χ^2/NDF : 2.9/3

76.530+/-68.648 χ^2/NDF : 7.8/22

45.891+/-46.702 χ^2/NDF : 17.0/46

19.493+/-63.719 χ^2/NDF : 8.8/23

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 +/- 0.058 χ^2/NDF : 963394.4/16

Left Out: 255.755 +/- 0.090 χ^2/NDF : 187877.9/5

Right Out: 177.338 +/- 0.051 χ^2/NDF : 1528976.8/19

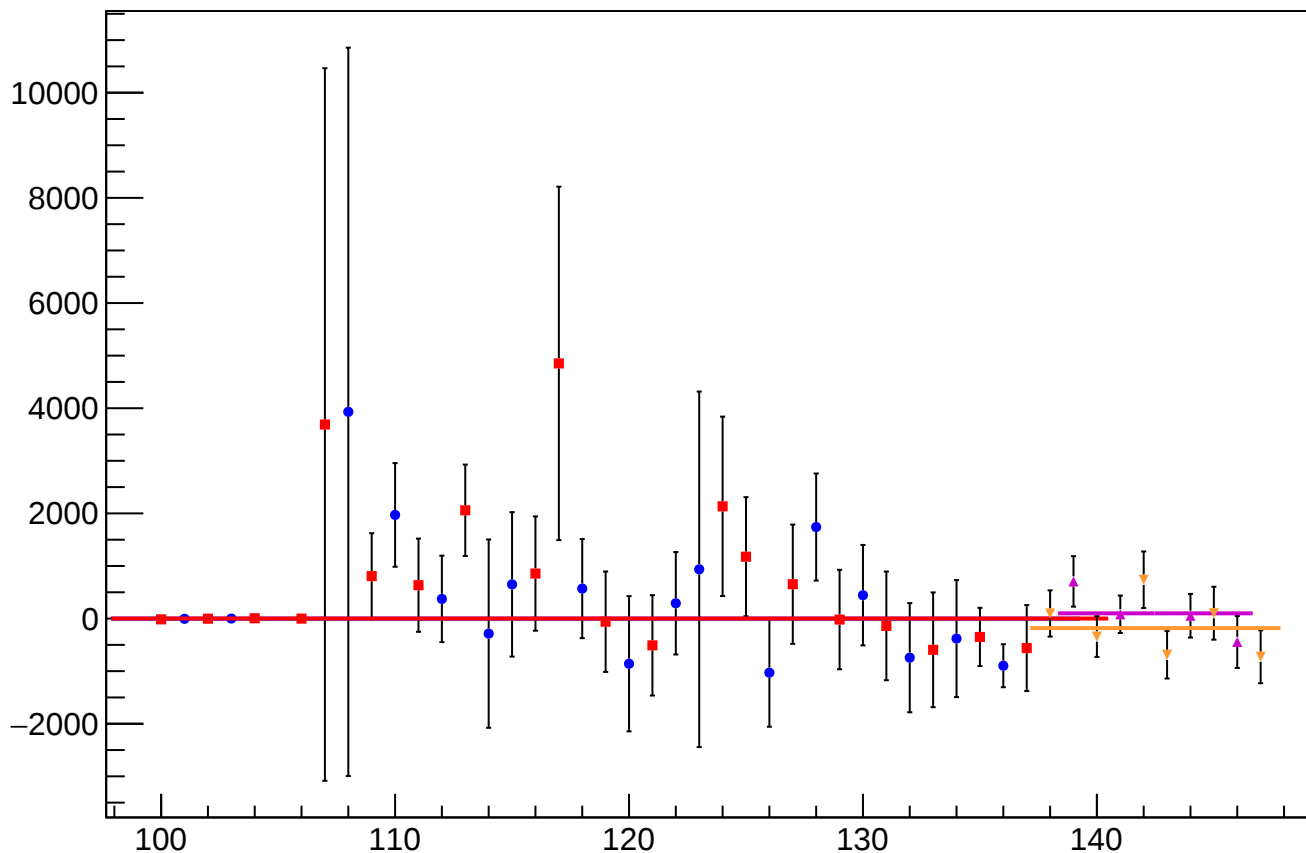
Left In: 245.382 +/- 0.098 χ^2/NDF : 123522.3/3

215.195 +/- 0.049 χ^2/NDF : 1435151.2/22

202.579 +/- 0.033 χ^2/NDF : 3593358.9/46

191.710 +/- 0.045 χ^2/NDF : 2032460.2/23

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -181.090 ± 188.554 χ^2/NDF : 6.2/5

Right Out: 0.733 ± 2.111 χ^2/NDF : 20.5/19

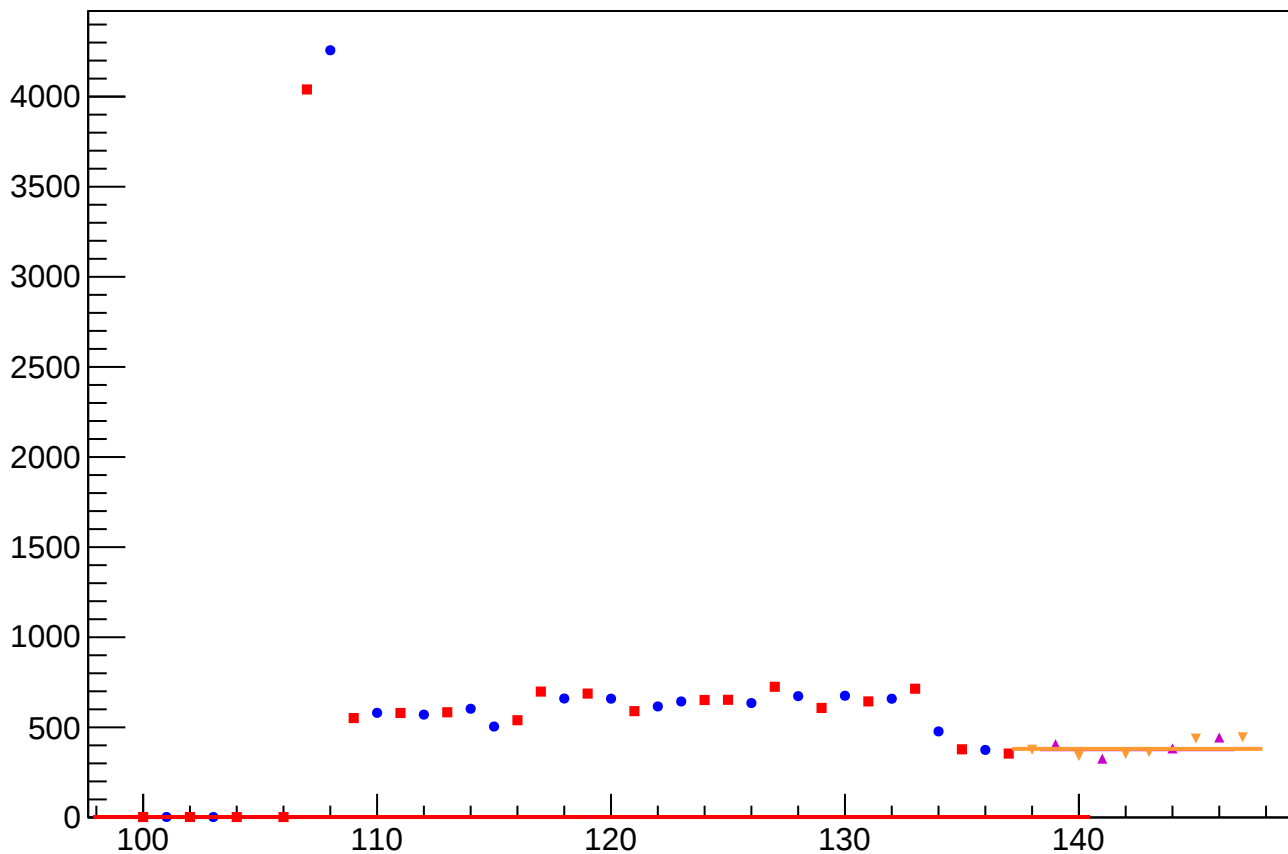
Left In: 99.558 ± 212.593 χ^2/NDF : 2.8/3

-1.555 ± 2.251 χ^2/NDF : 23.8/22

-0.332 ± 1.540 χ^2/NDF : 47.9/46

0.743 ± 2.111 χ^2/NDF : 23.5/23

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 380.539+/-0.133 χ^2/NDF : 88164.2/5

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

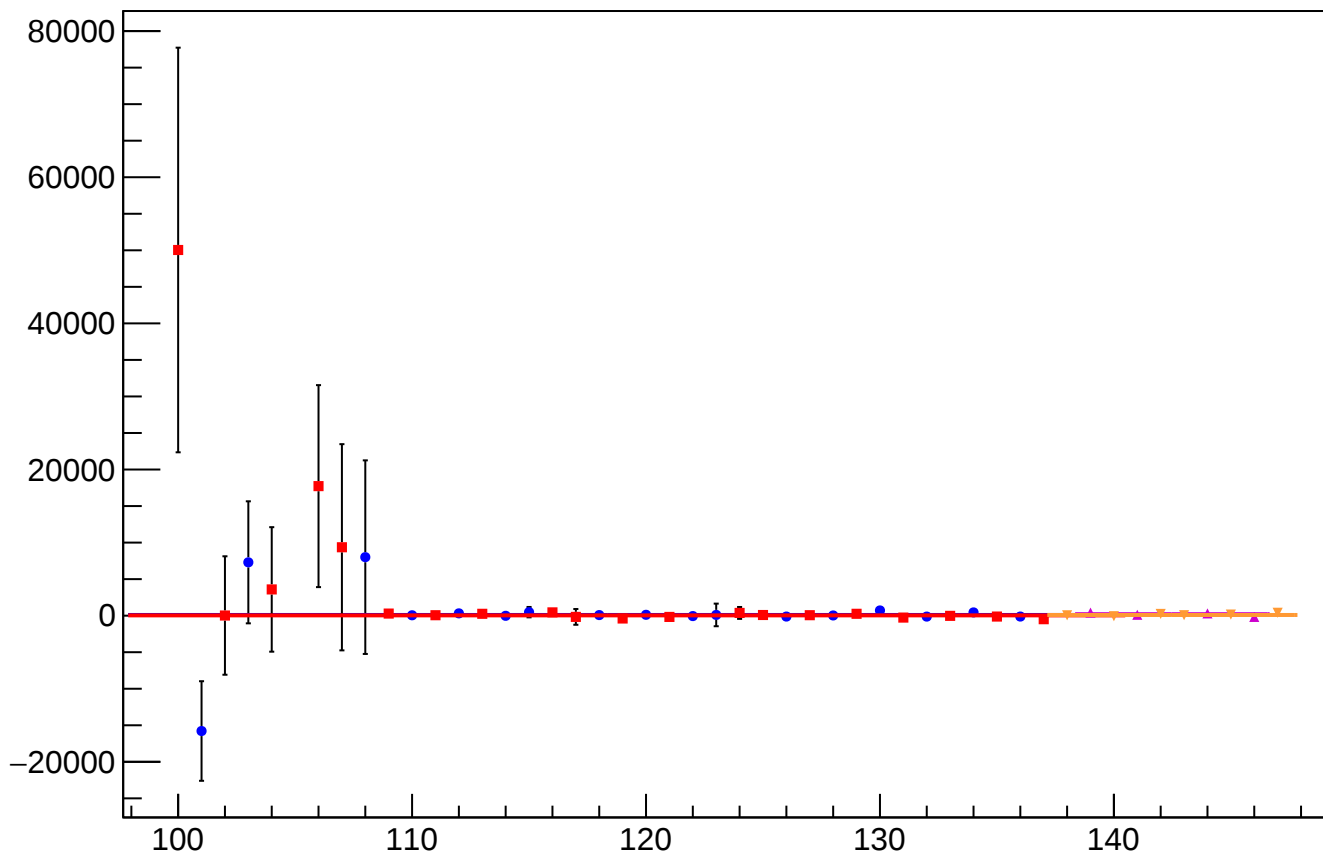
Left In: 378.725+/-0.150 χ^2/NDF : 85090.4/3

2.510+/-0.002 χ^2/NDF : 18834775.0/22

2.491+/-0.001 χ^2/NDF : 36411307.8/46

2.474+/-0.001 χ^2/NDF : 17576260.9/23

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 94.434+/-132.617 χ^2/NDF : 1.2/5

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

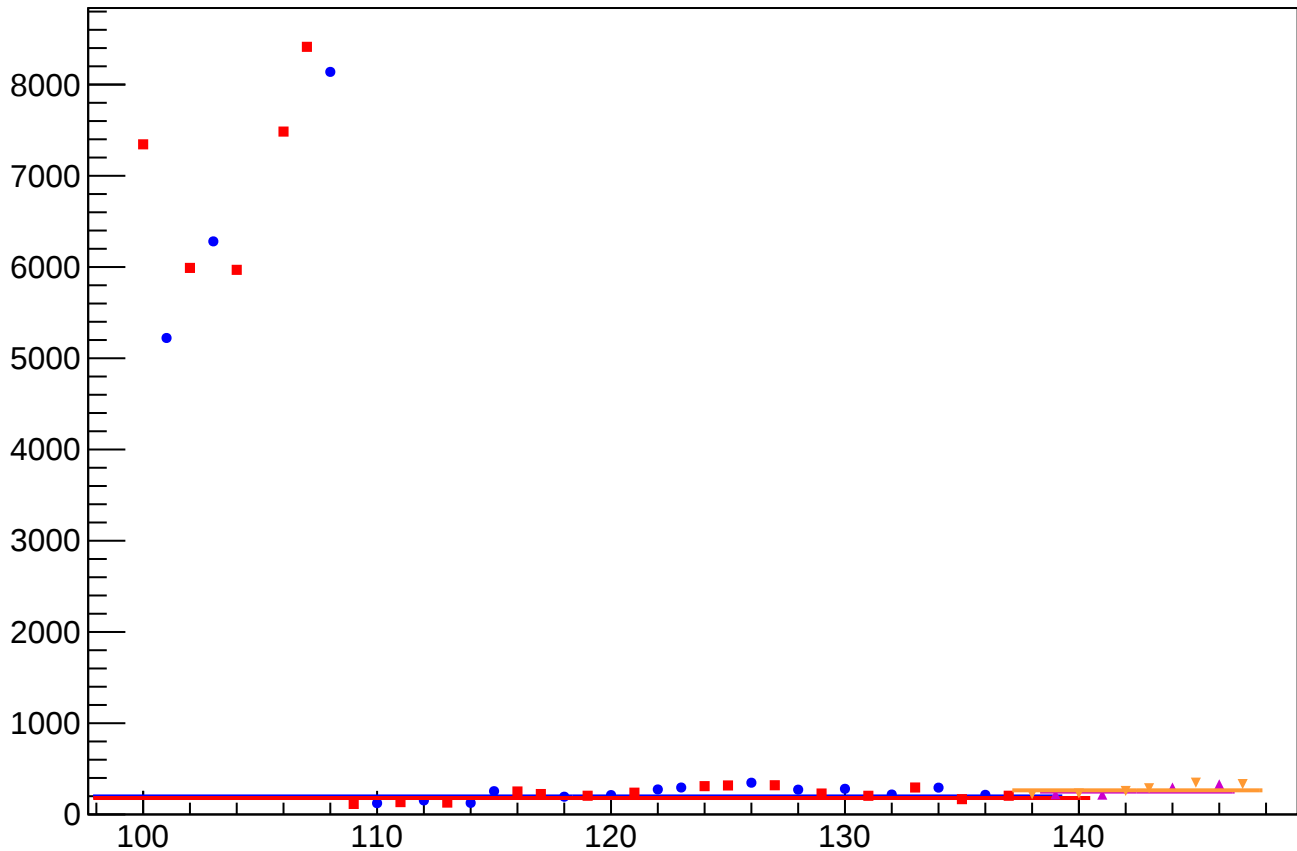
Left In: 203.849+/-142.561 χ^2/NDF : 1.9/3

95.056+/-75.429 χ^2/NDF : 13.2/22

89.017+/-52.291 χ^2/NDF : 30.2/46

83.429+/-72.555 χ^2/NDF : 16.9/23

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 264.388+/-0.094 χ^2/NDF :253956.6/5

Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

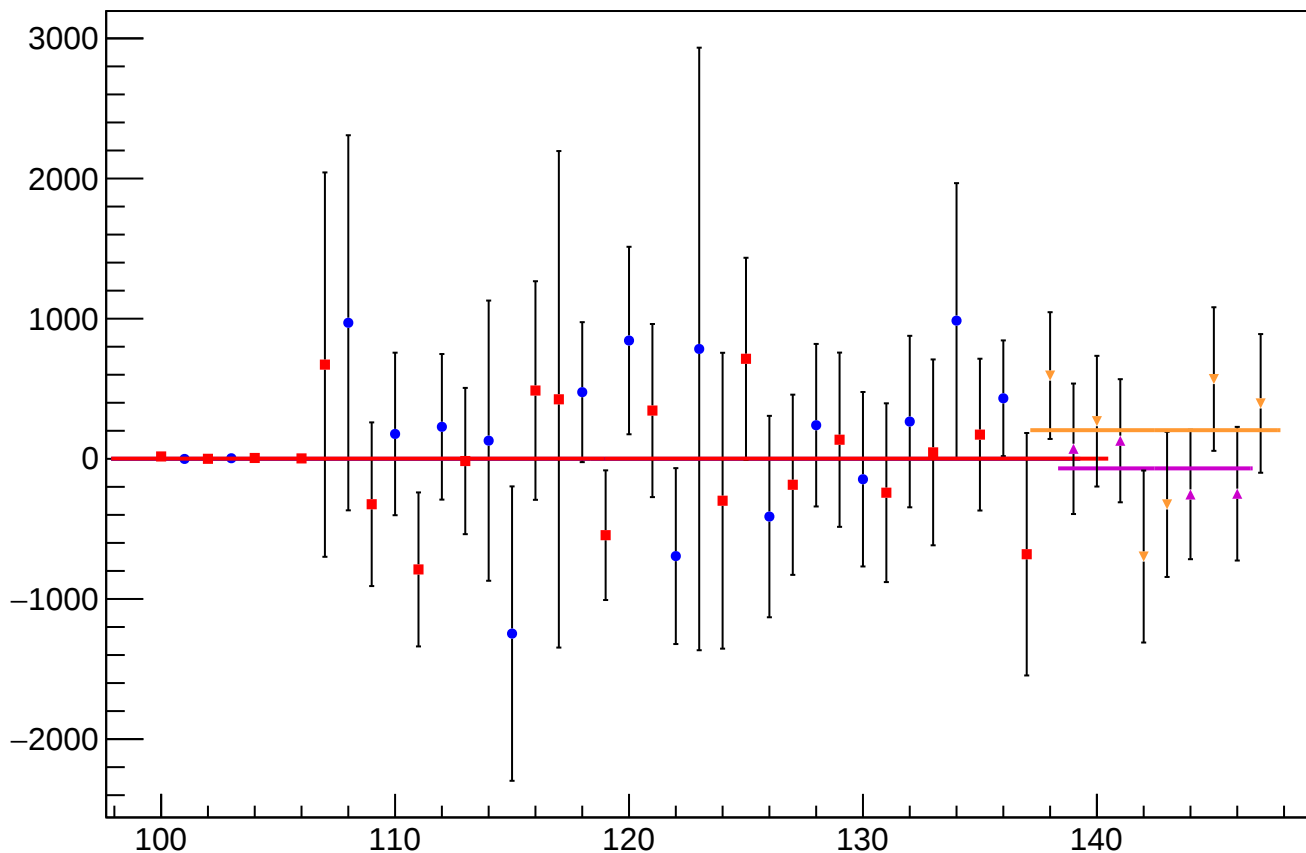
Left In: 250.604+/-0.101 χ^2/NDF :198398.4/3

219.086+/-0.053 χ^2/NDF : 4294790.4/22

208.379+/-0.037 χ^2/NDF : 9256357.6/46

198.473+/-0.051 χ^2/NDF : 4883992.7/23

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 204.357 ± 205.111 χ^2/NDF : 4.6/5

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.6/19

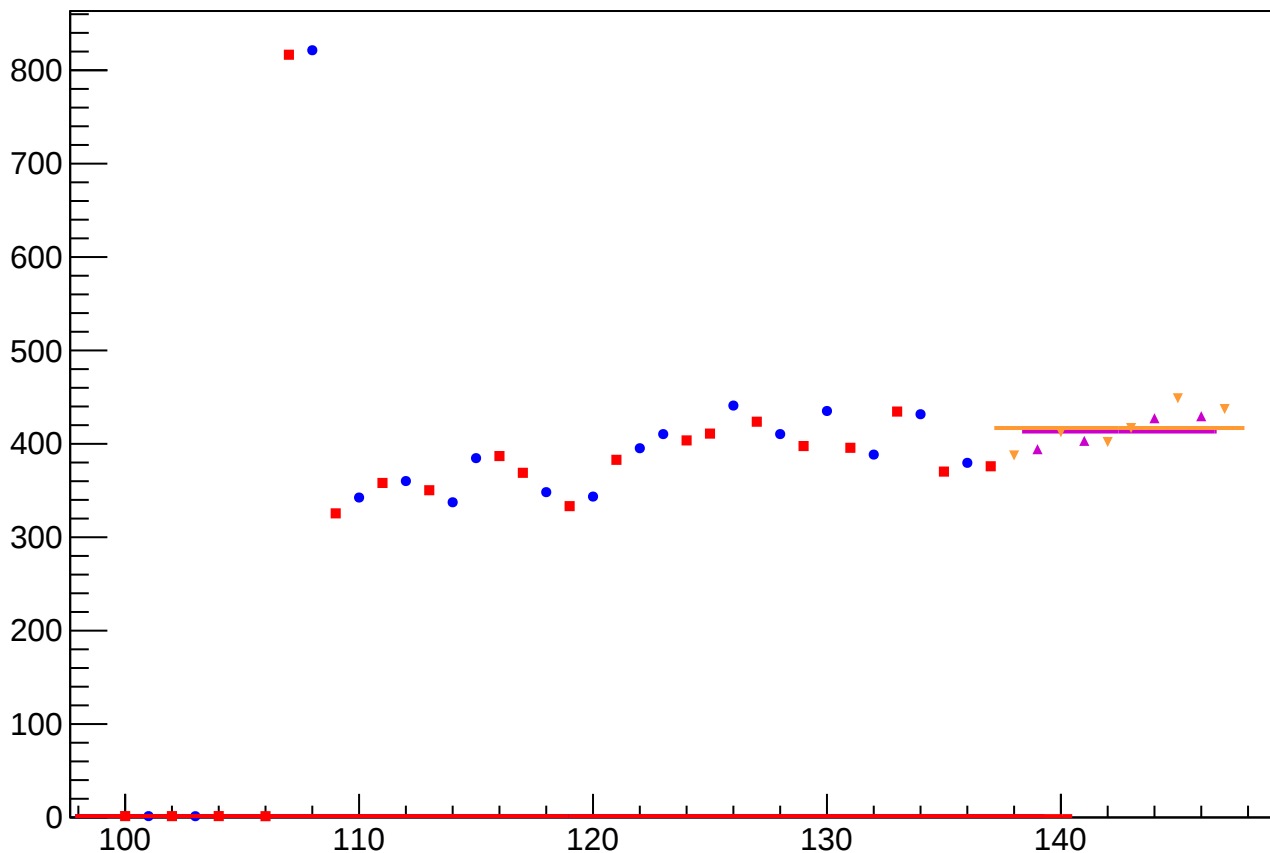
Left In: -68.243 ± 230.110 χ^2/NDF : 0.6/3

-0.124 ± 1.737 χ^2/NDF : 15.4/22

0.647 ± 1.186 χ^2/NDF : 26.0/46

1.321 ± 1.623 χ^2/NDF : 10.2/23

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 416.953+/-0.145 χ^2/NDF : 20902.3/5

Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

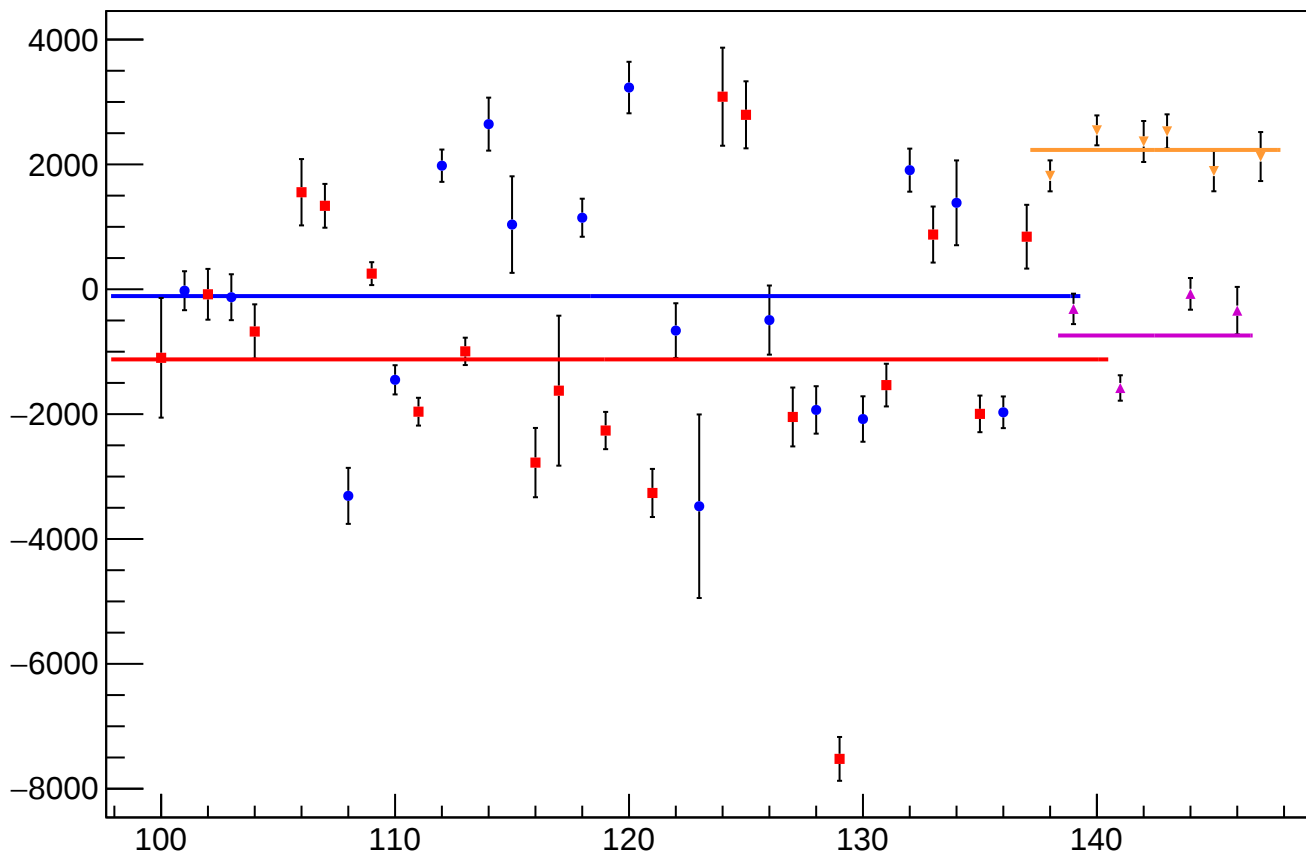
Left In: 413.177+/-0.163 χ^2/NDF : 8584.3/3

1.482+/-0.001 χ^2/NDF : 19043427.1/22

1.477+/-0.001 χ^2/NDF : 36414270.6/46

1.472+/-0.001 χ^2/NDF : 17370806.8/23

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 ± 87.961 χ^2/NDF : 428.3/16

Left Out: 2231.919 ± 117.566 χ^2/NDF : 7.0/5

Right Out: -1123.337 ± 78.230 χ^2/NDF : 670.2/19

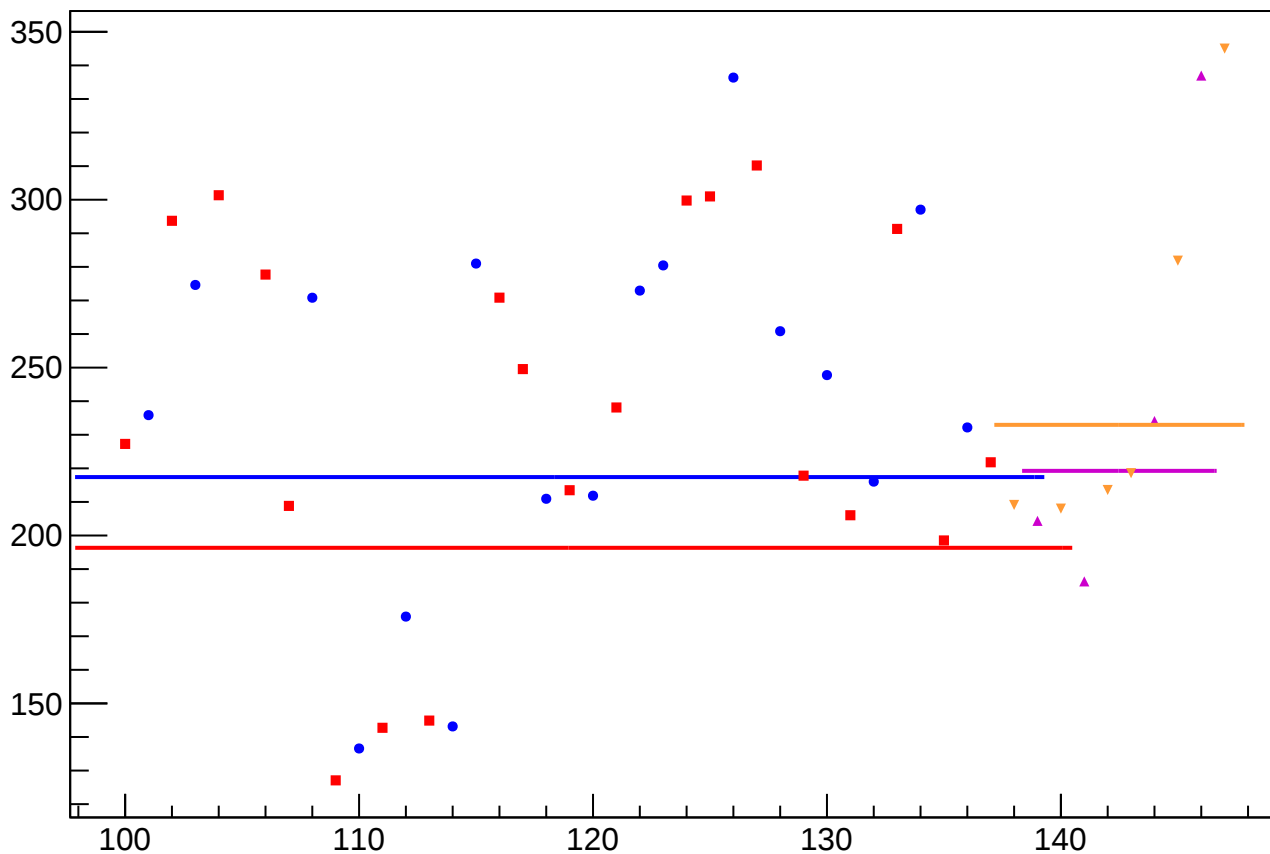
Left In: -740.451 ± 125.635 χ^2/NDF : 28.1/3

730.975 ± 70.430 χ^2/NDF : 689.6/22

-194.014 ± 48.317 χ^2/NDF : 1720.4/46

-1016.360 ± 66.408 χ^2/NDF : 705.0/23

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2/NDF : 652632.9/16

Left Out: 232.955 $\pm$ 0.083 χ^2/NDF : 261308.1/5

Right Out: 196.339 $\pm$ 0.055 χ^2/NDF : 1194805.7/19

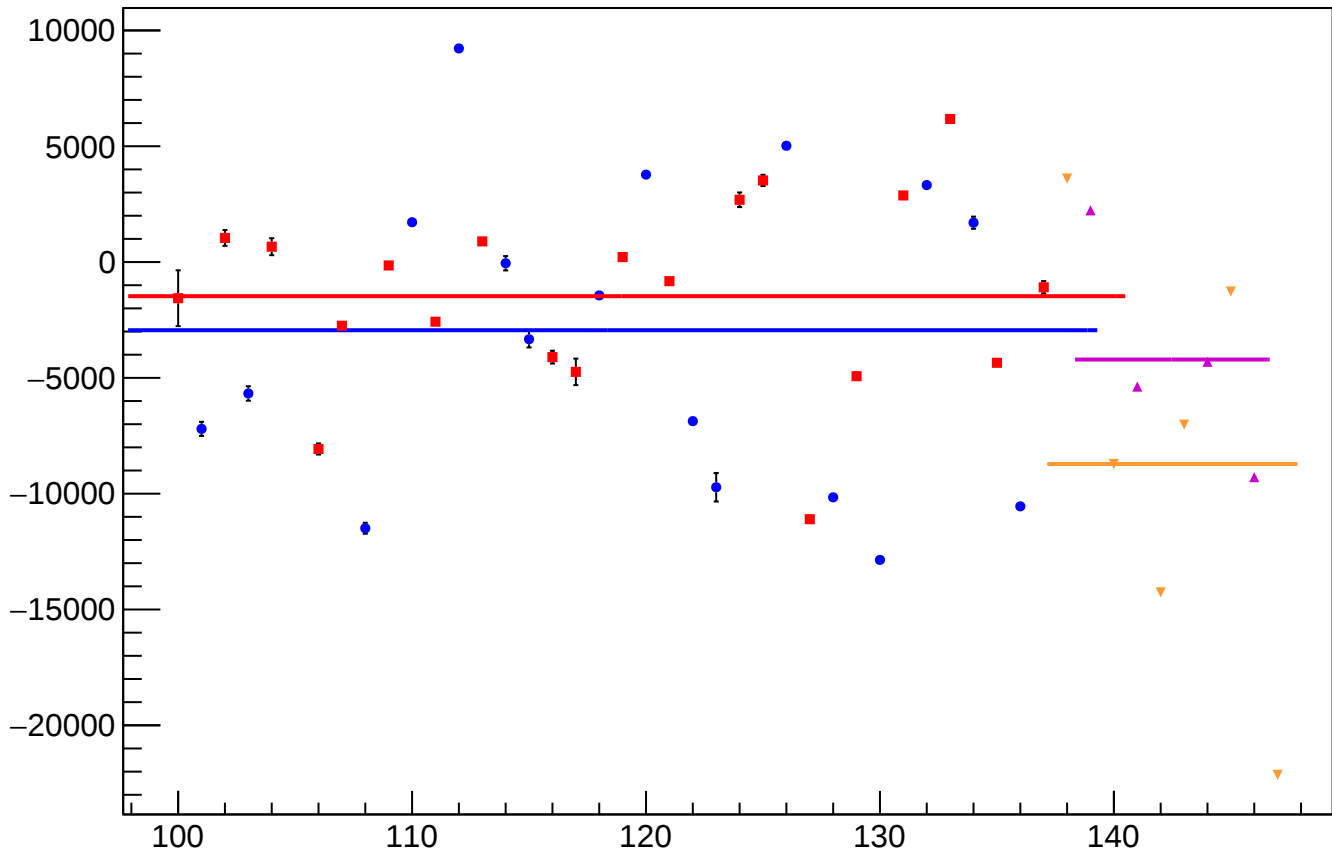
Left In: 219.254 $\pm$ 0.089 χ^2/NDF : 258241.6/3

222.984 $\pm$ 0.050 χ^2/NDF : 936379.1/22

212.268 $\pm$ 0.034 χ^2/NDF : 2524834.7/46

202.741 $\pm$ 0.047 χ^2/NDF : 1500994.3/23

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -8719.488+/-58.268 χ^2/NDF : 21941.2/5

Right Out: -1474.497+/-46.252 χ^2/NDF : 8028.6/19

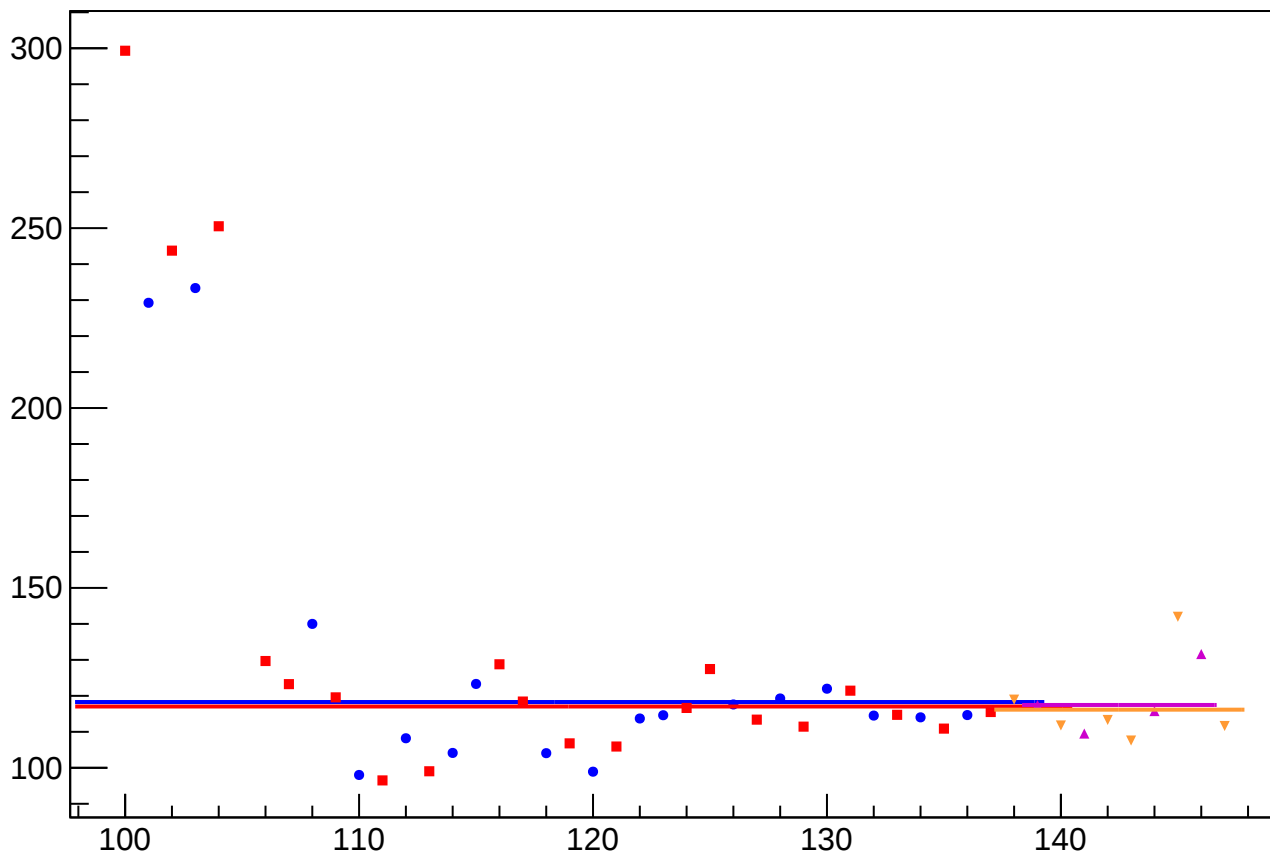
Left In: -4208.242+/-66.514 χ^2/NDF : 3335.7/3

-5313.674+/-37.327 χ^2/NDF : 48645.5/22

-3864.904+/-26.620 χ^2/NDF : 64213.8/46

-2365.529+/-37.974 χ^2/NDF : 12502.9/23

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 116.159 $\pm$ 0.041 χ^2 /NDF: 63461.7/5

Right Out: 117.040 $\pm$ 0.033 χ^2 /NDF: 690873.1/19

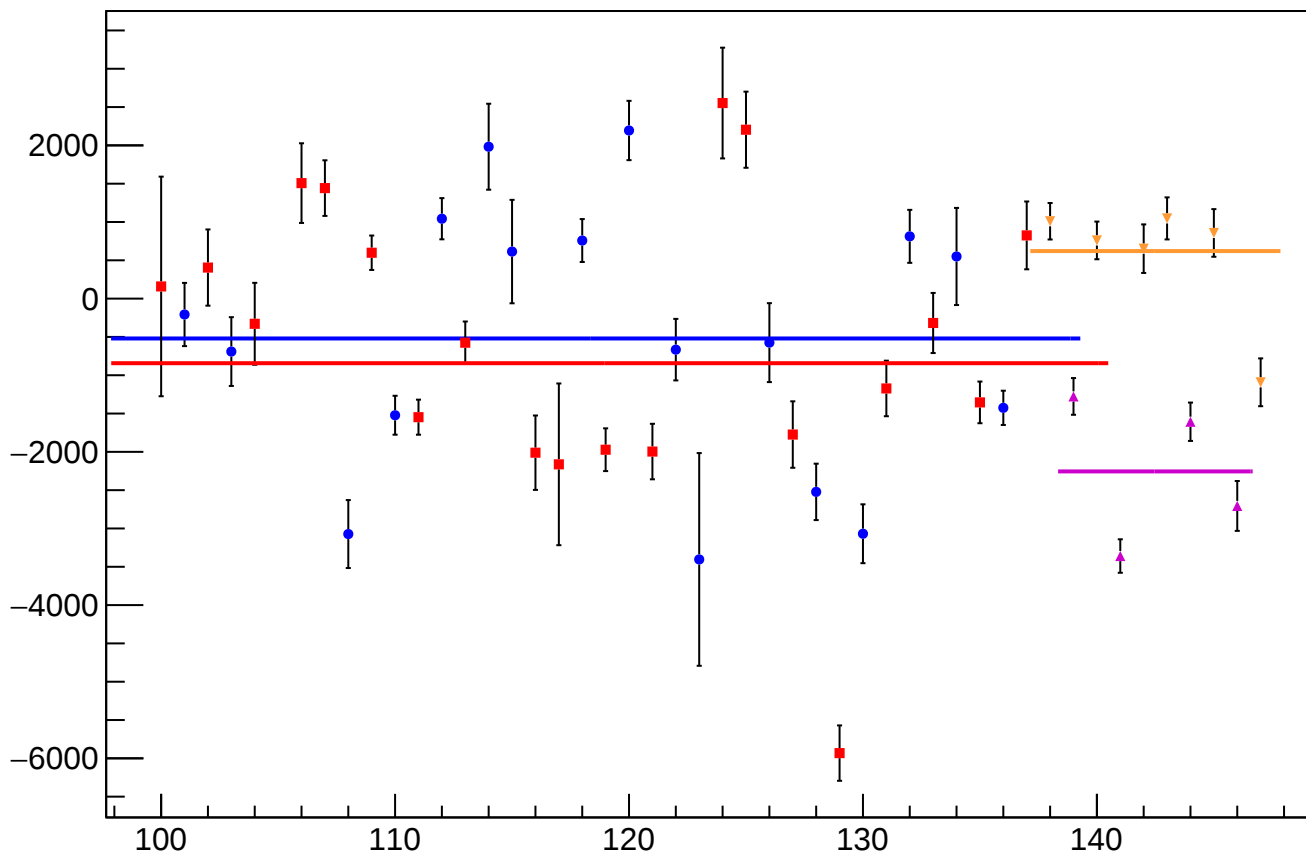
Left In: 117.466 $\pm$ 0.047 χ^2 /NDF: 27405.7/3

117.413 $\pm$ 0.026 χ^2 /NDF: 701949.6/22

117.298 $\pm$ 0.019 χ^2 /NDF: 1420322.3/46

117.179 $\pm$ 0.027 χ^2 /NDF: 718334.2/23

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 $\pm$ 89.241 χ^2/NDF : 288.1/16

Left Out: 620.630 $\pm$ 113.190 χ^2/NDF : 36.1/5

Right Out: -842.858 $\pm$ 82.024 χ^2/NDF : 436.3/19

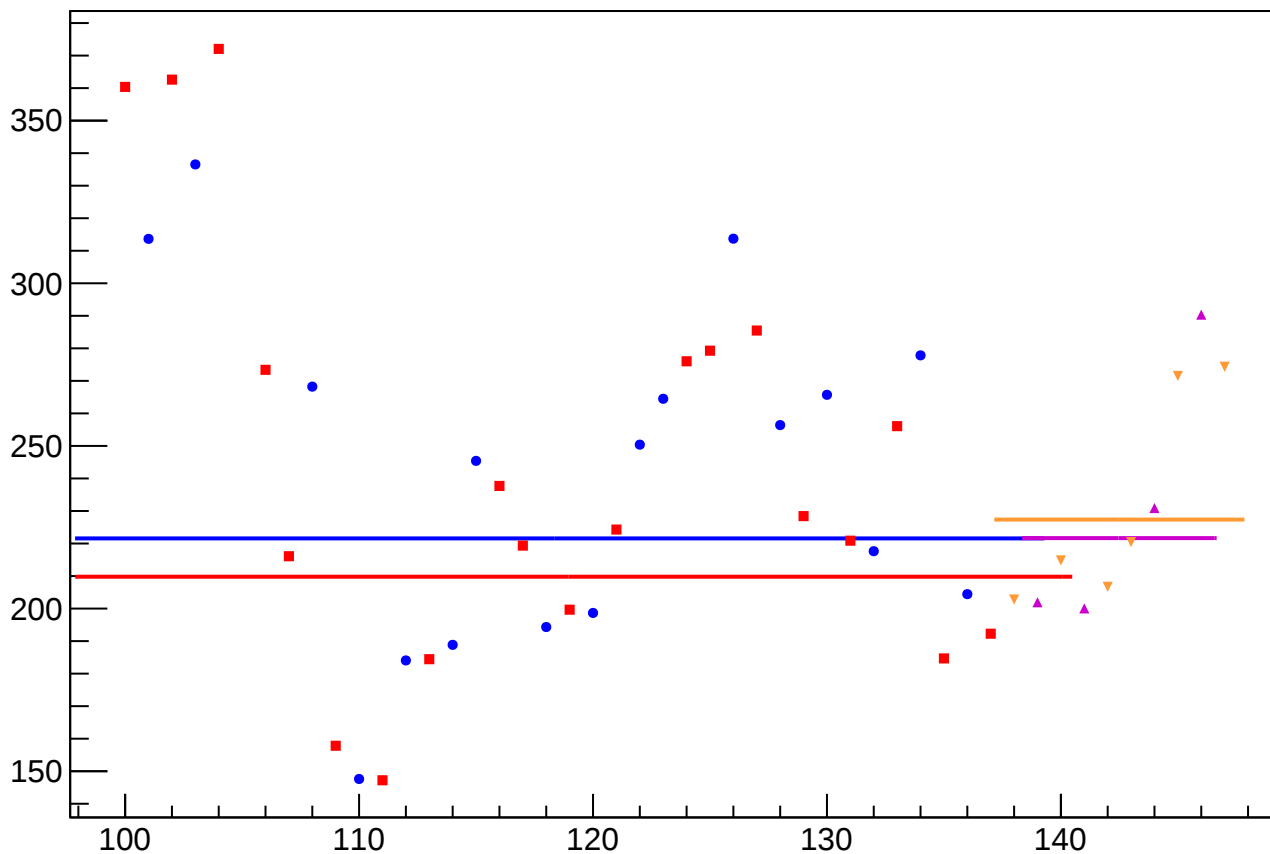
Left In: -2255.368 $\pm$ 125.236 χ^2/NDF : 50.9/3

-82.933 $\pm$ 70.080 χ^2/NDF : 386.9/22

-687.397 $\pm$ 49.028 χ^2/NDF : 1108.8/46

-1266.890 $\pm$ 68.617 χ^2/NDF : 576.2/23

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2/NDF : 644941.4/16

Left Out: 227.360 $\pm$ 0.080 χ^2/NDF : 121989.2/5

Right Out: 209.794 $\pm$ 0.058 χ^2/NDF : 884087.4/19

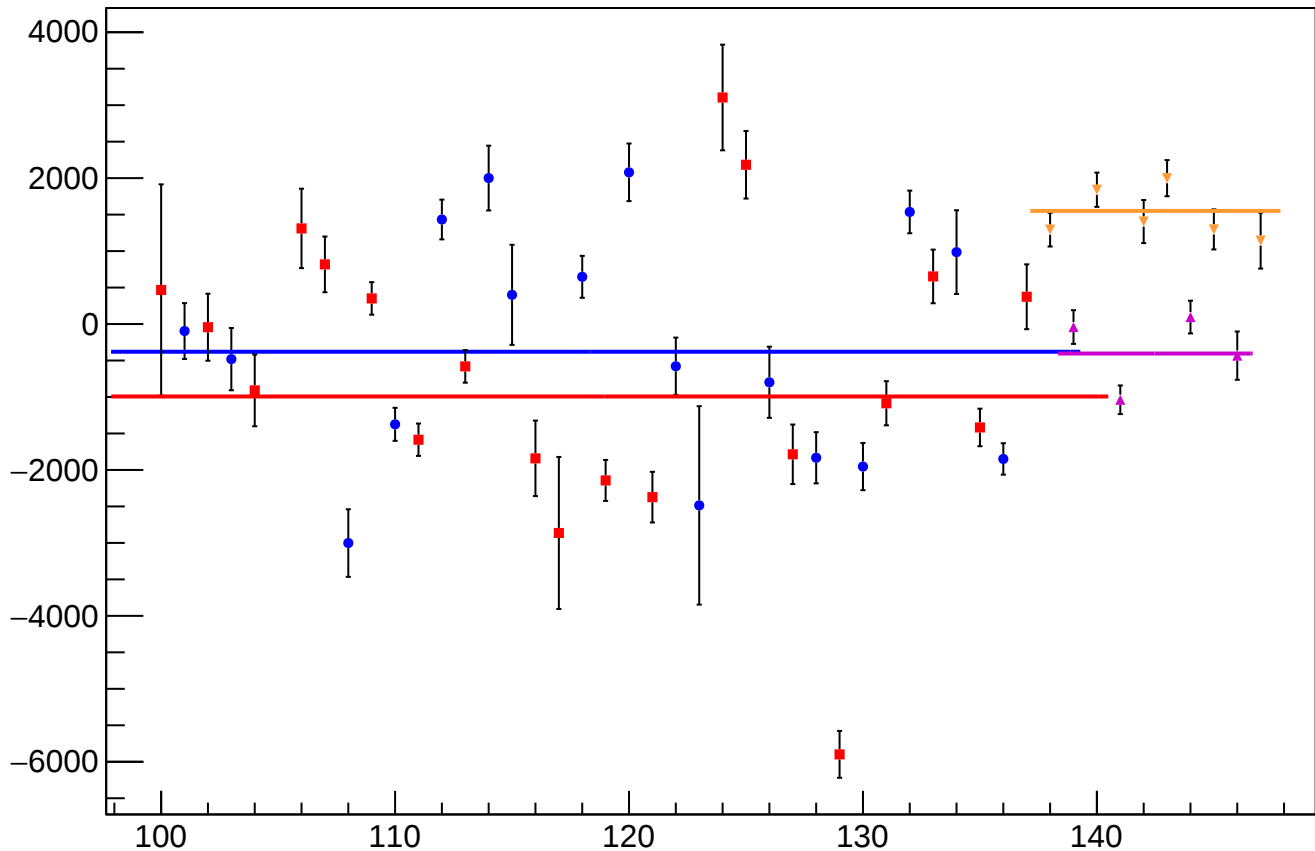
Left In: 221.661 $\pm$ 0.089 χ^2/NDF : 124943.0/3

223.789 $\pm$ 0.050 χ^2/NDF : 770157.7/22

218.463 $\pm$ 0.035 χ^2/NDF : 1814384.2/46

213.357 $\pm$ 0.049 χ^2/NDF : 1021597.4/23

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647+/-84.260 χ^2/NDF : 317.2/16

Left Out: 1550.783+/-108.702 χ^2/NDF : 8.3/5

Right Out: -992.944+/-77.509 χ^2/NDF : 479.5/19

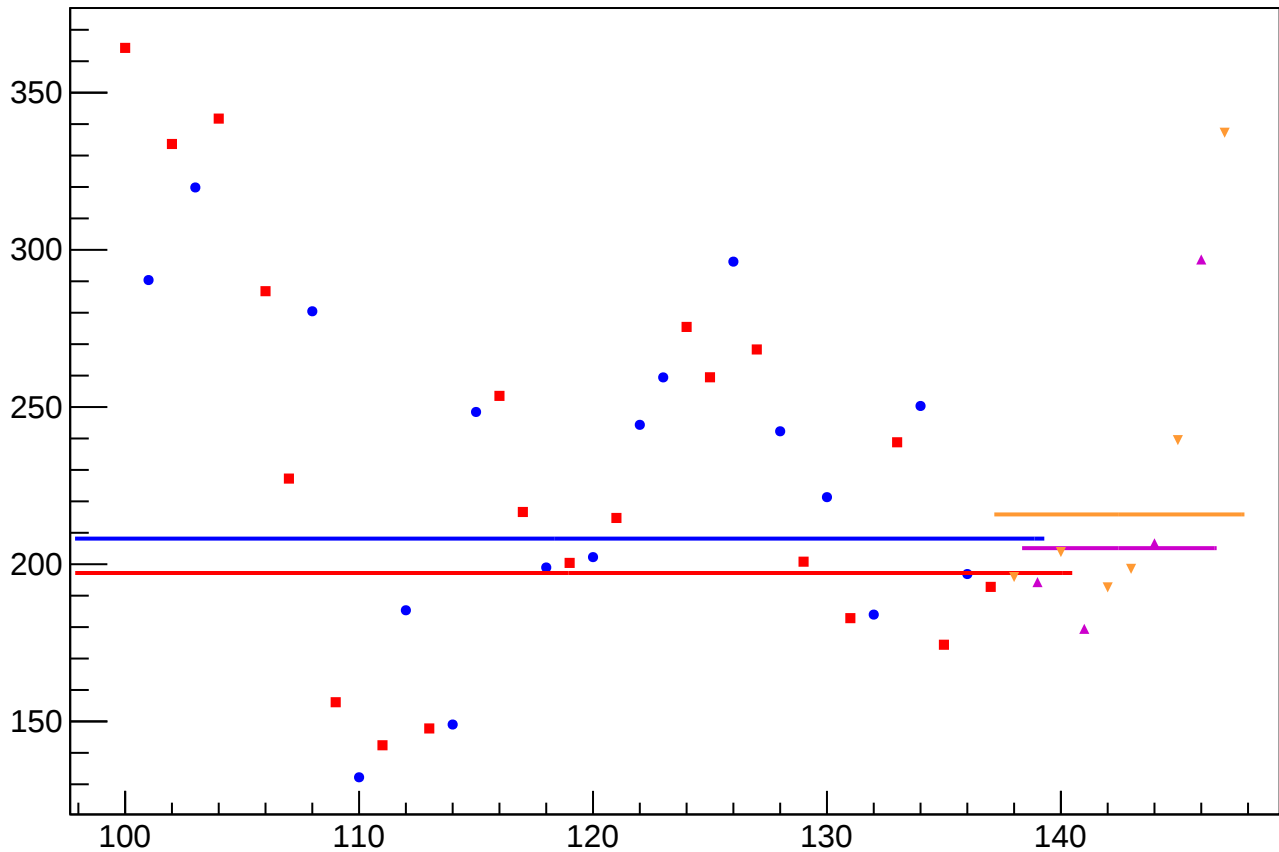
Left In: -404.143+/-116.491 χ^2/NDF : 17.9/3

344.906+/-66.595 χ^2/NDF : 522.4/22

-251.898+/-46.343 χ^2/NDF : 1193.2/46

-812.263+/-64.530 χ^2/NDF : 515.1/23

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 ± 0.060 $\chi^2/\text{NDF}: 699084.2/16$

Left Out: 215.840 ± 0.077 $\chi^2/\text{NDF}: 257102.8/5$

Right Out: 197.210 ± 0.055 $\chi^2/\text{NDF}: 927165.0/19$

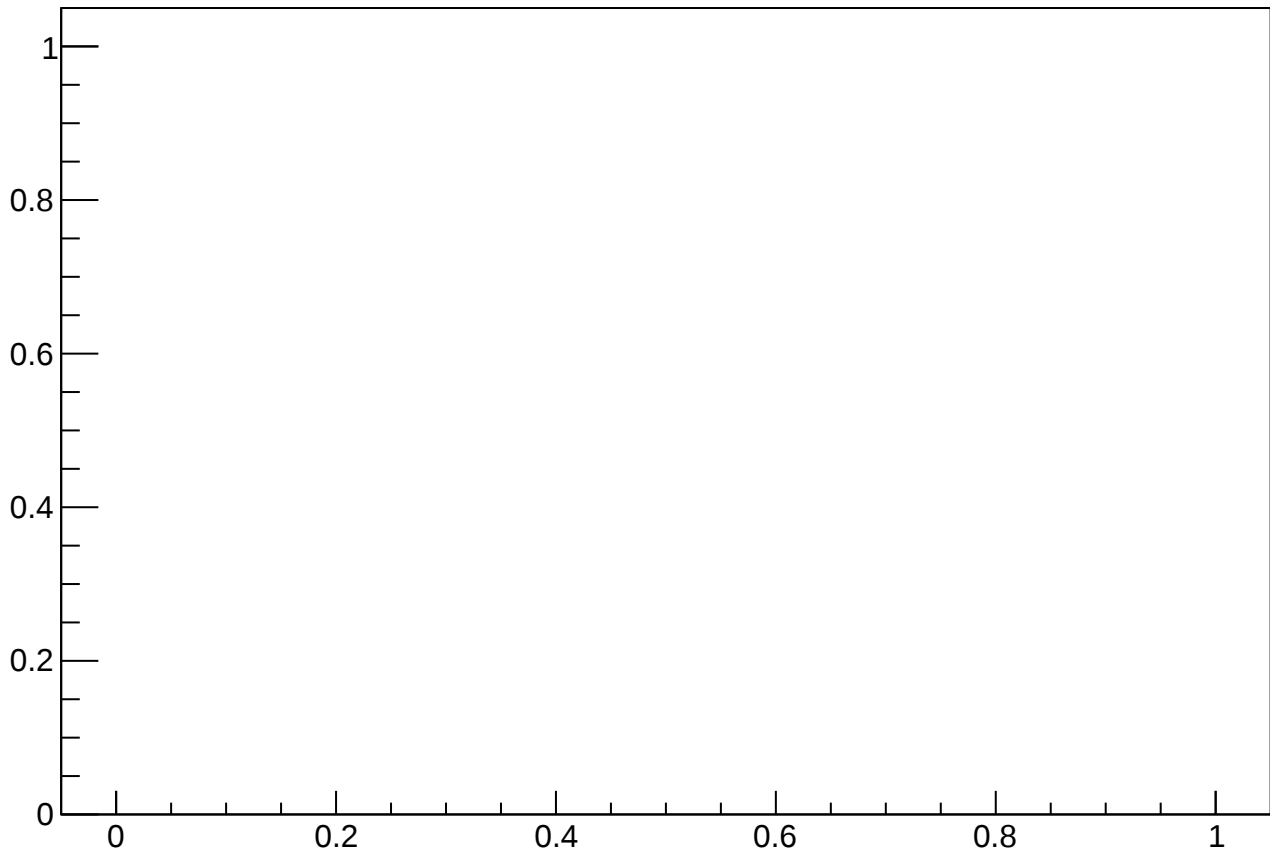
Left In: 205.114 ± 0.082 $\chi^2/\text{NDF}: 192626.1/3$

211.037 ± 0.047 $\chi^2/\text{NDF}: 962438.9/22$

205.157 ± 0.033 $\chi^2/\text{NDF}: 2118844.2/46$

199.636 ± 0.046 $\chi^2/\text{NDF}: 1126172.9/23$

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

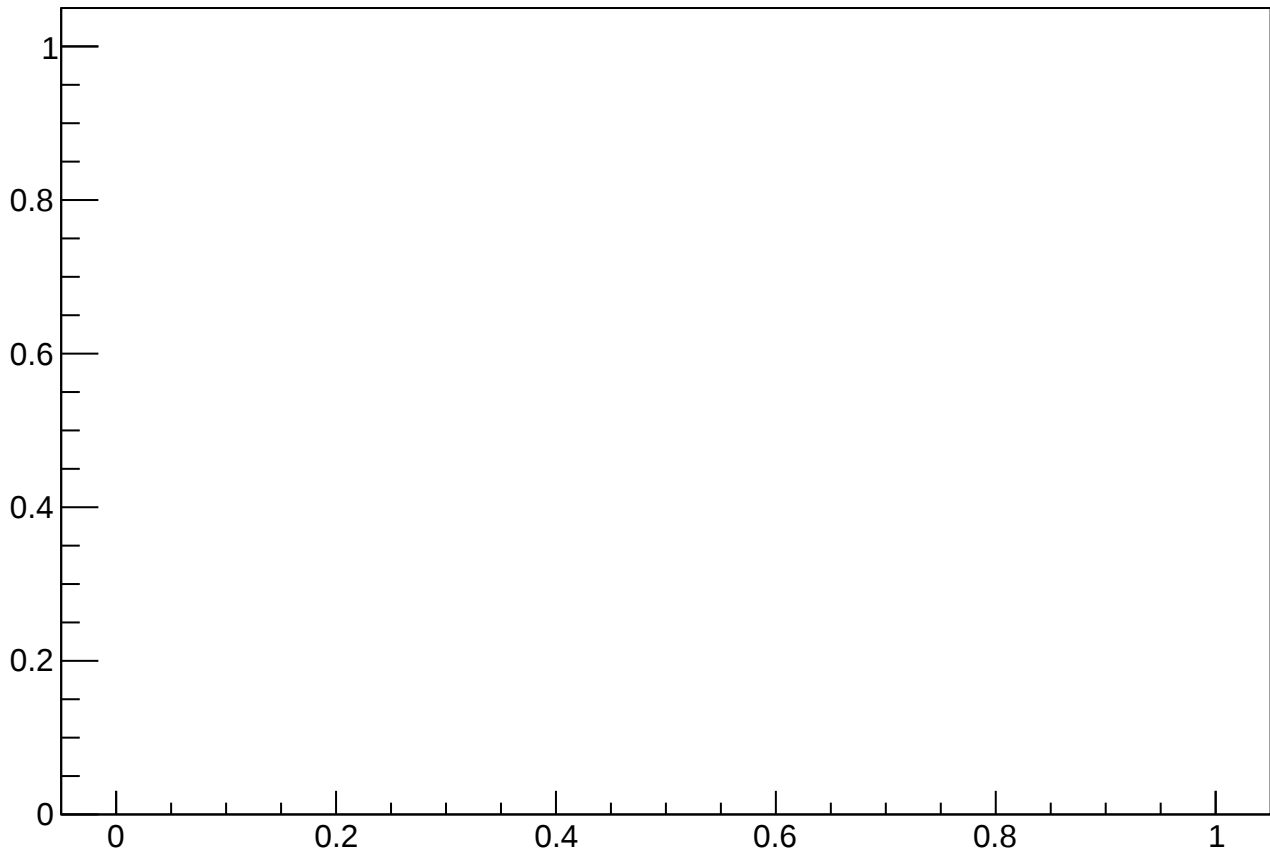
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

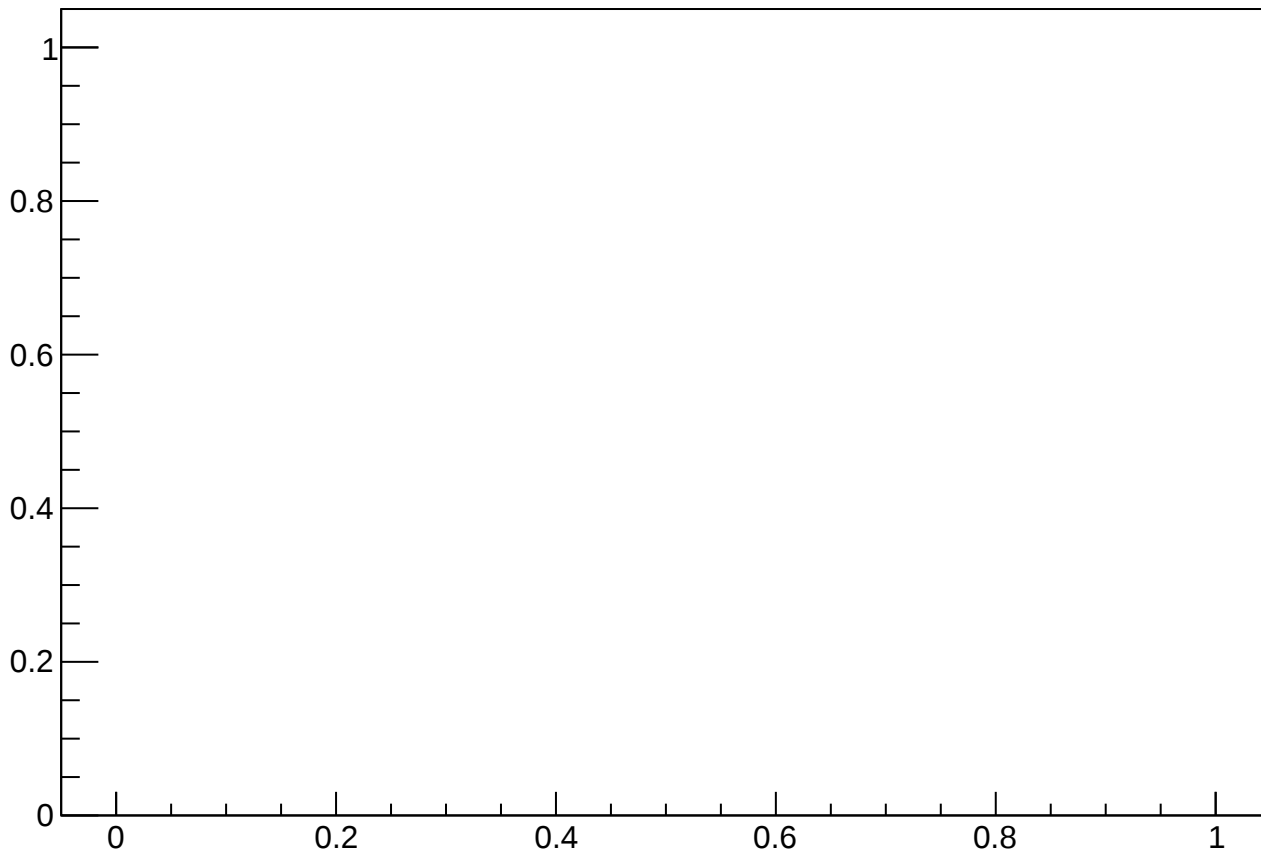
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

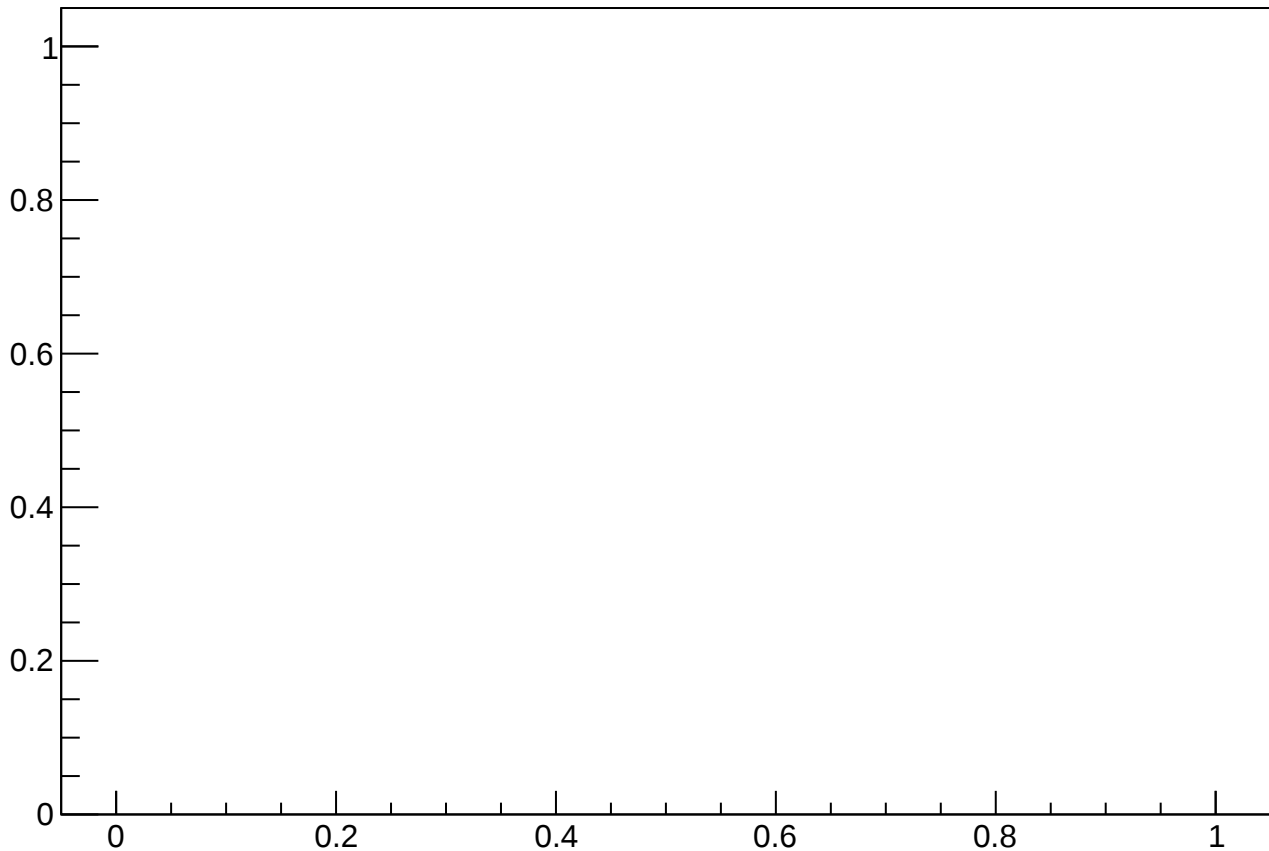
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

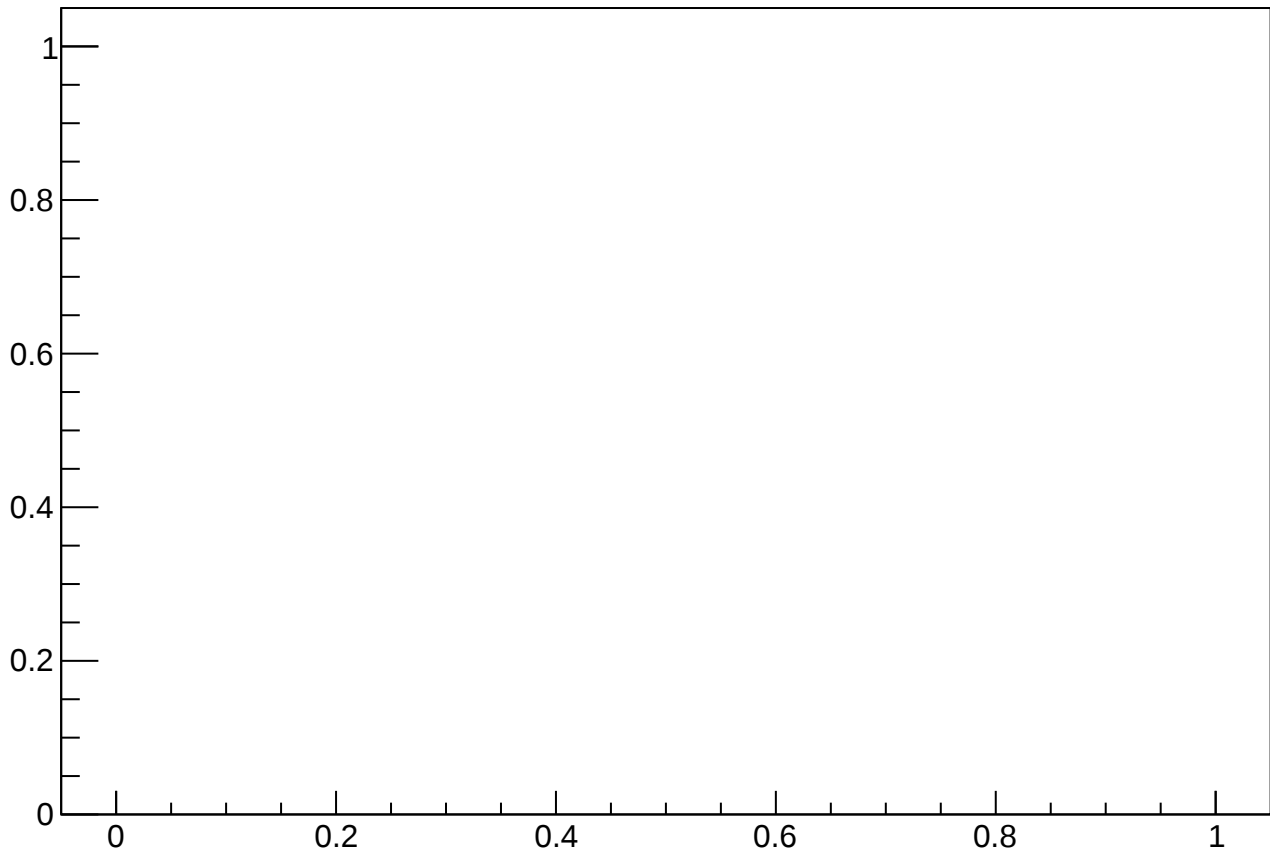
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

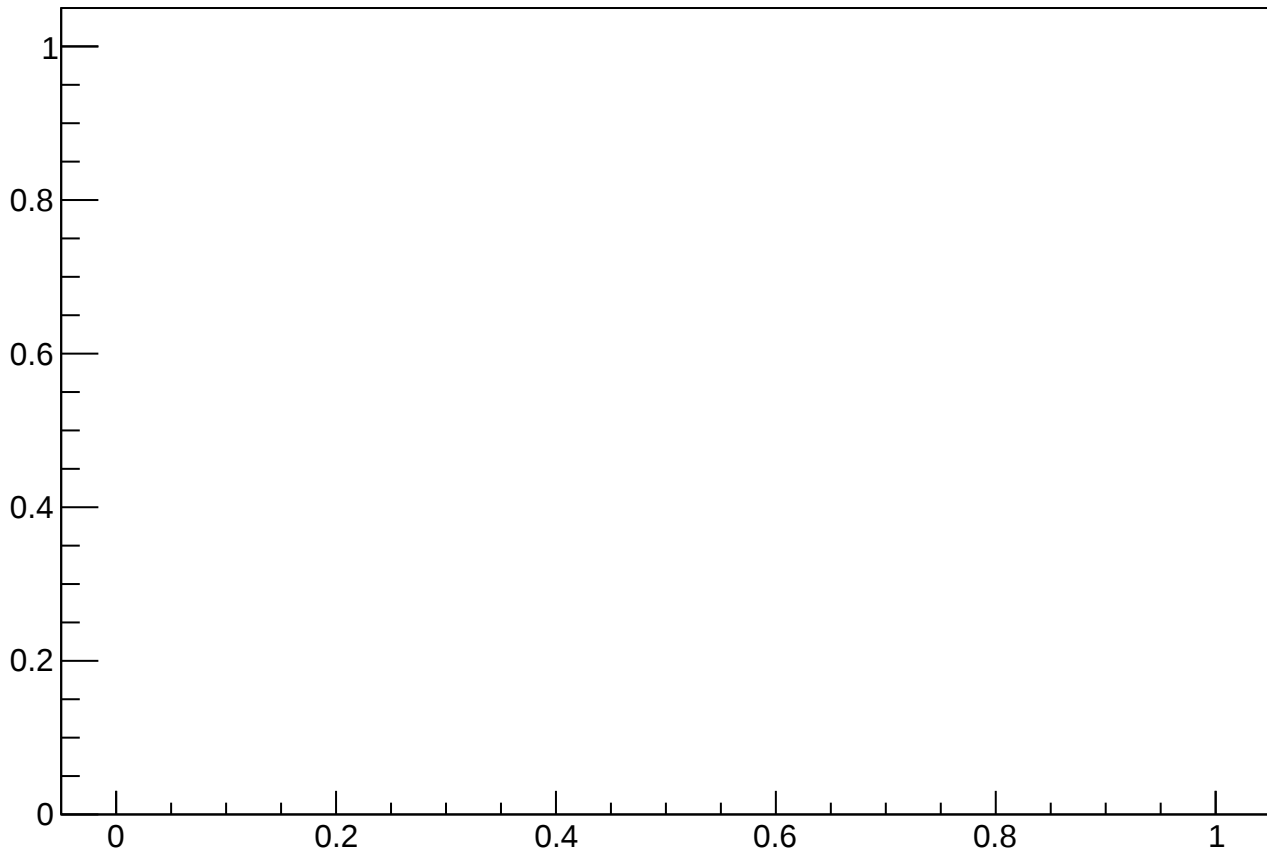
bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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
0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

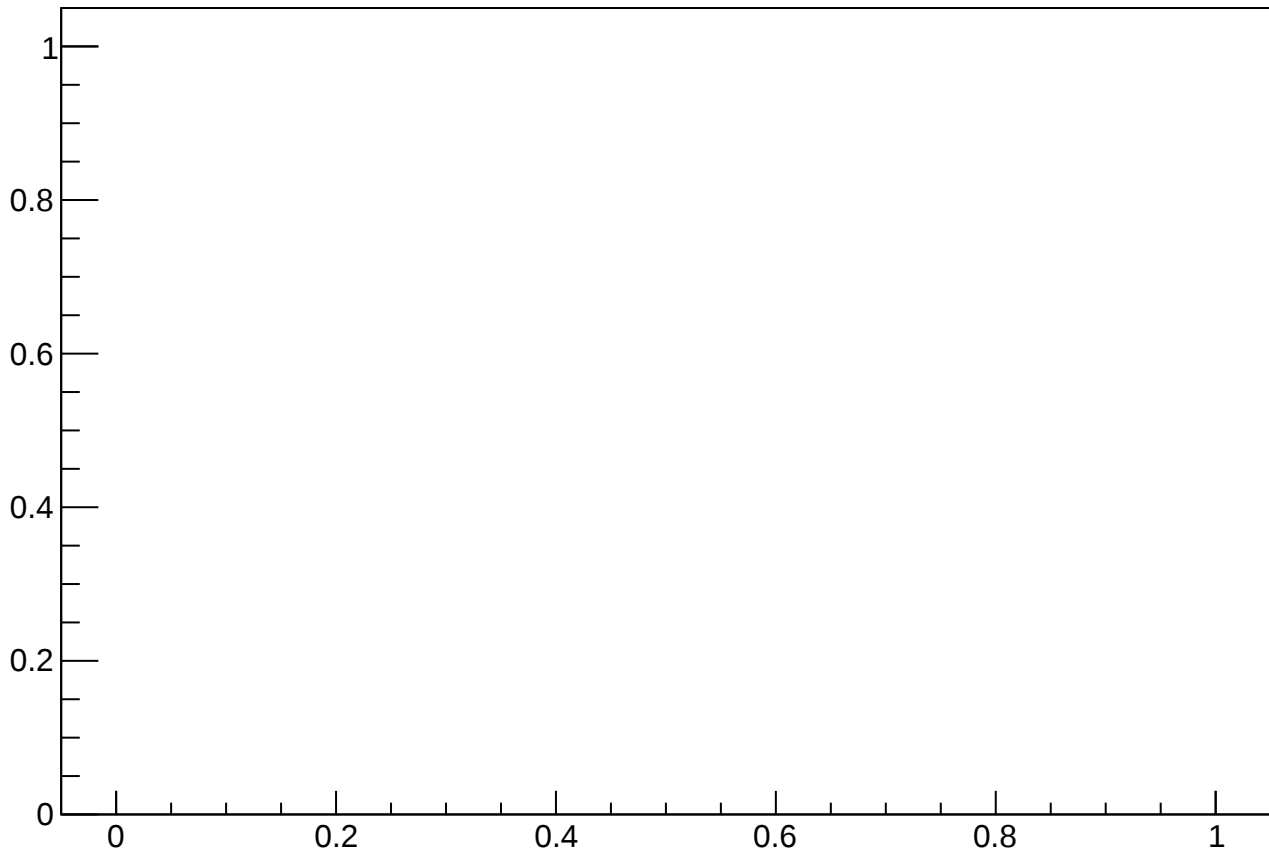
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

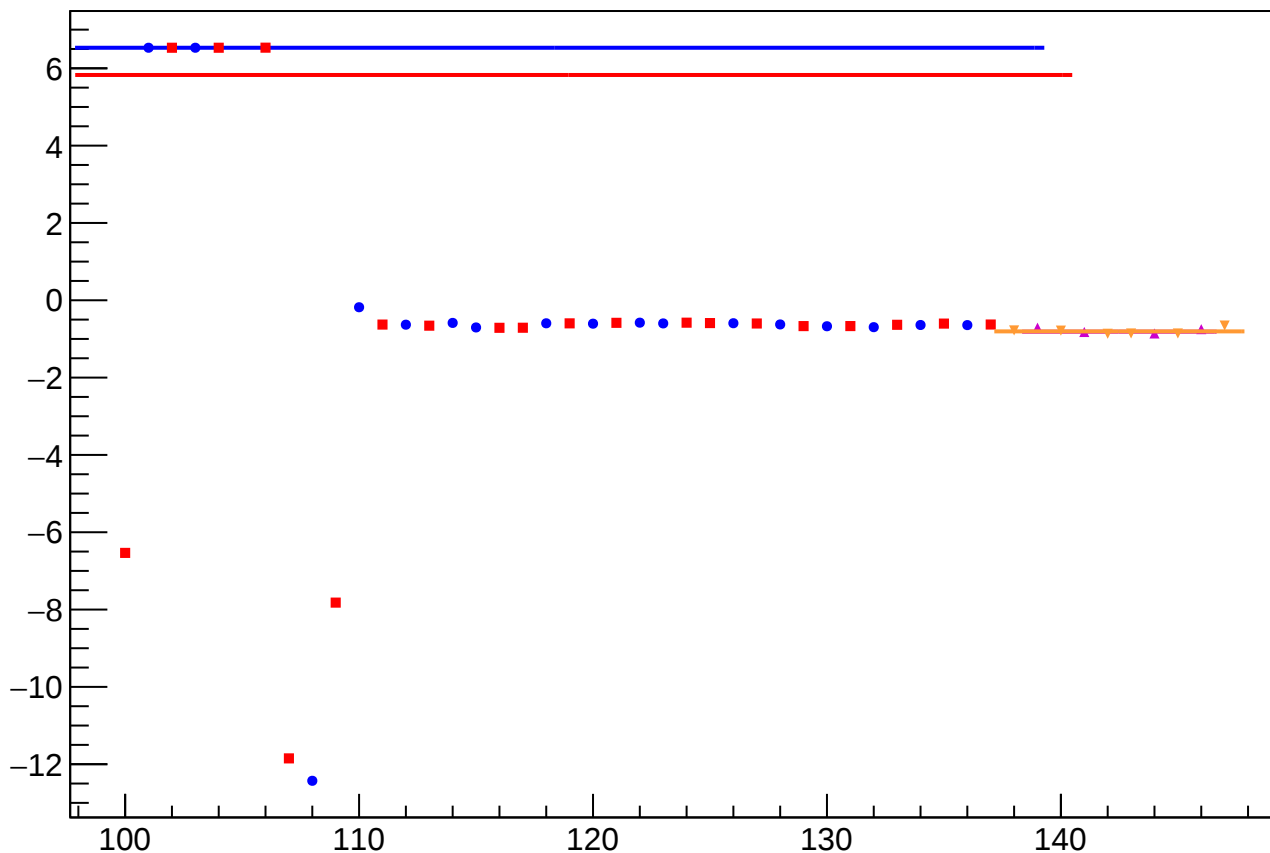
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.805+/-0.000 χ^2/NDF : 24877652.6/5

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

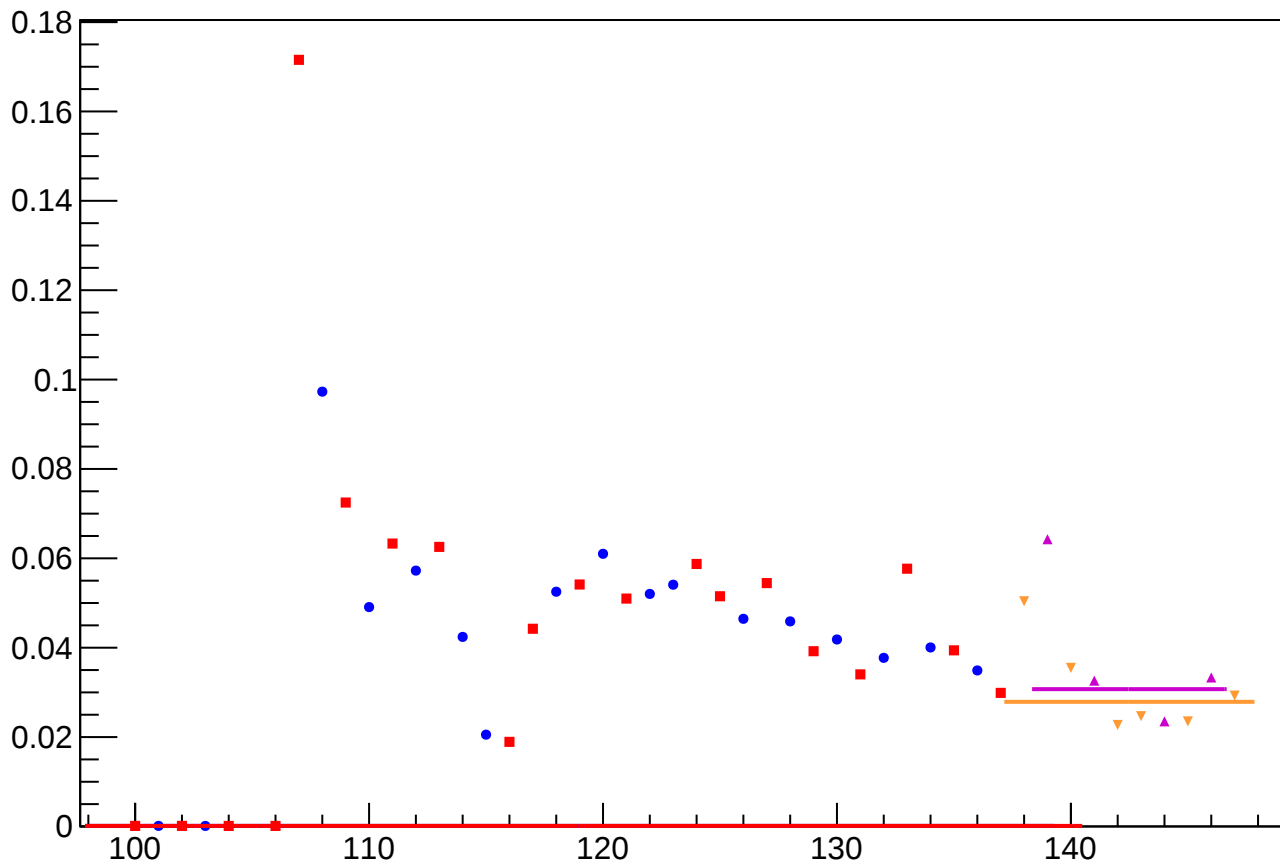
Left In: -0.813+/-0.000 χ^2/NDF : 6802446.1/3

6.531+/-0.000 χ^2/NDF : 328318145962.8/22

6.154+/-0.000 χ^2/NDF : 77639419098146

5.827+/-0.000 χ^2/NDF : 756070974416949.5/23

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.028 +/- 0.000 χ^2/NDF : 378431.4/5

Right Out: 0.000 +/- 0.000 χ^2/NDF : 9429256.2/19

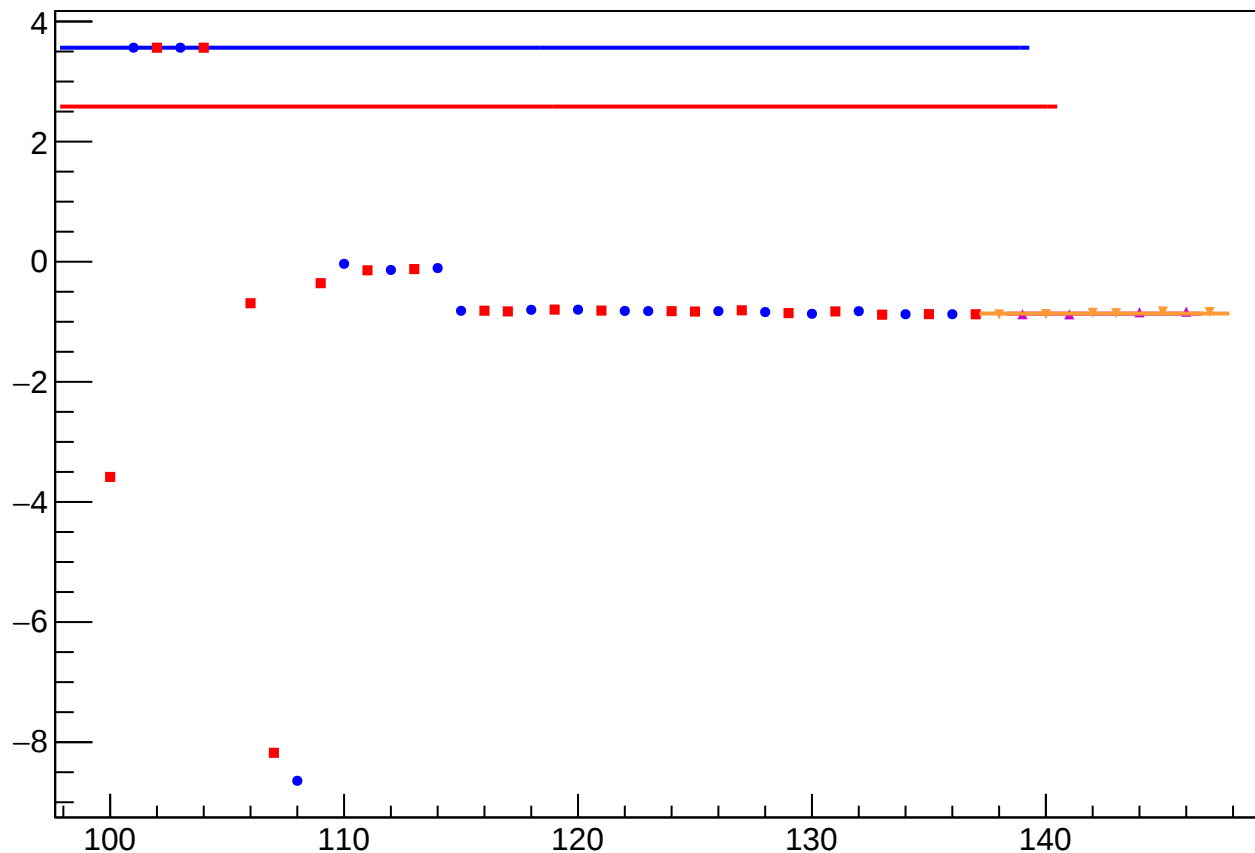
Left In: 0.031 +/- 0.000 χ^2/NDF : 510656.5/3

0.000 +/- 0.000 χ^2/NDF : 15025805.3/22

0.000 +/- 0.000 χ^2/NDF : 29505841.3/46

0.000 +/- 0.000 χ^2/NDF : 14479625.0/23

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.863+/-0.000 χ^2/NDF : 12484404.2/5

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

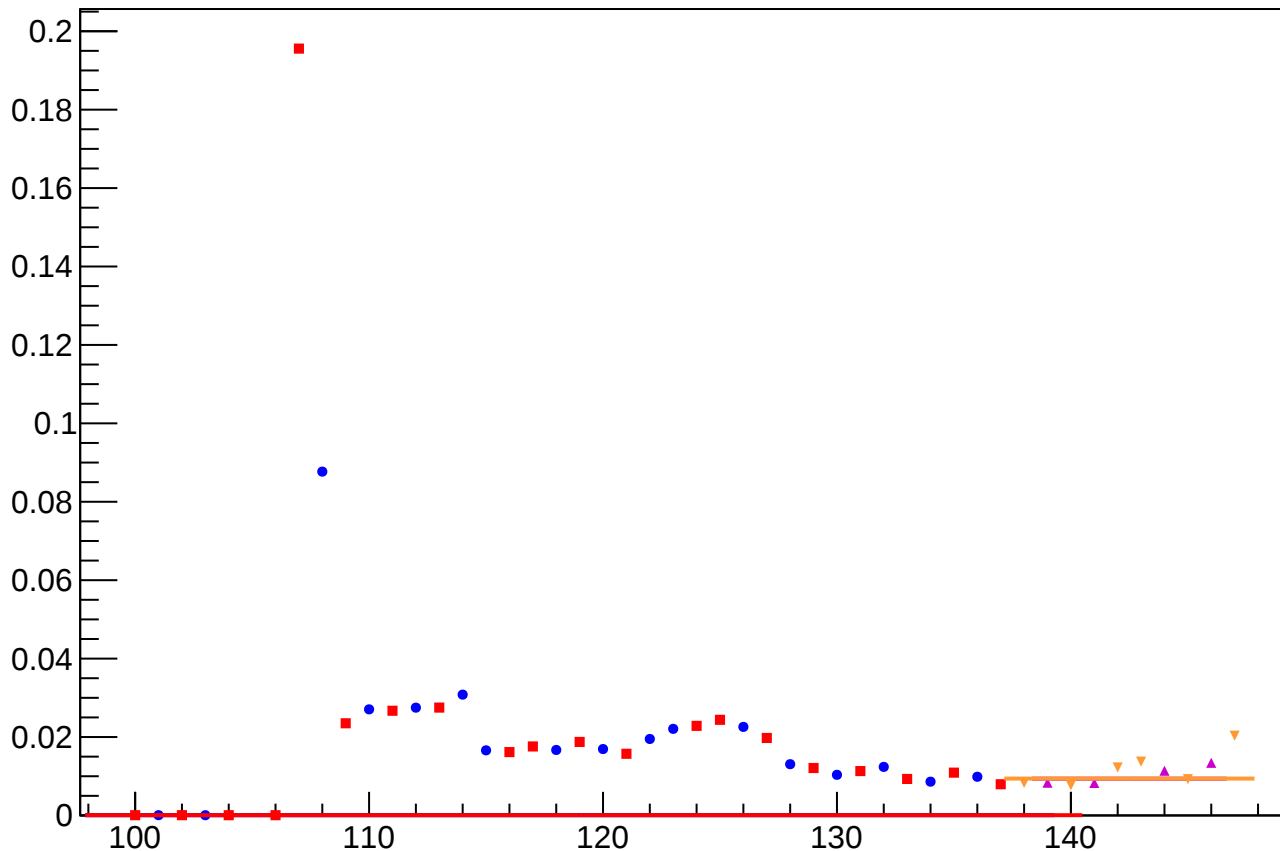
Left In: -0.865+/-0.000 χ^2/NDF : 8409735.0/3

3.563+/-0.000 χ^2/NDF : 1179877910530.2/22

3.040+/-0.000 χ^2/NDF : 13832546994577

2.583+/-0.000 χ^2/NDF : 1253858405017594.5/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF : 608811.0/5

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

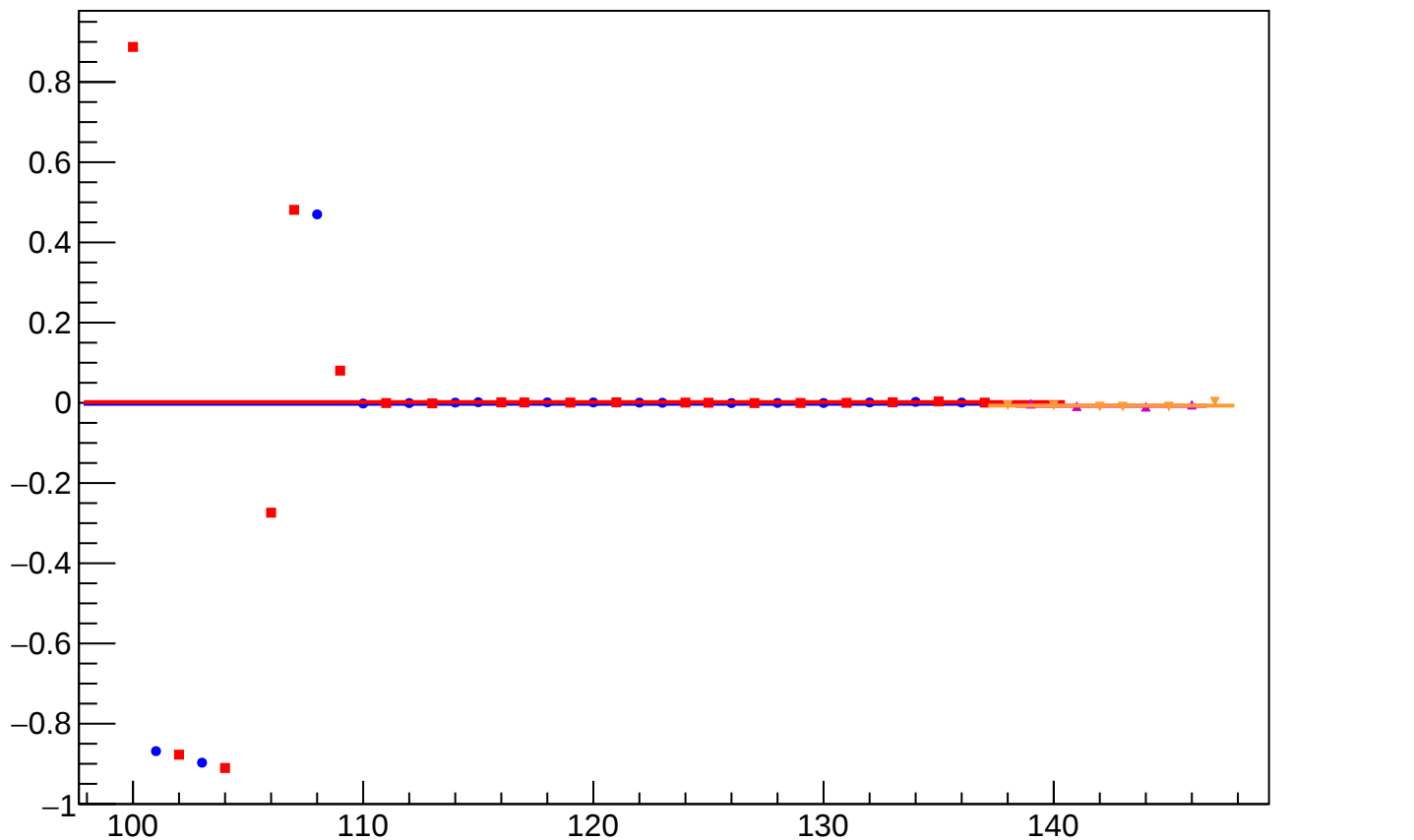
Left In: 0.009+/-0.000 χ^2/NDF : 201348.3/3

0.000+/-0.000 χ^2/NDF : 16545957.8/22

0.000+/-0.000 χ^2/NDF : 31857878.2/46

0.000+/-0.000 χ^2/NDF : 15311422.6/23

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.007+/-0.000 χ^2/NDF : 27117150.0/5

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

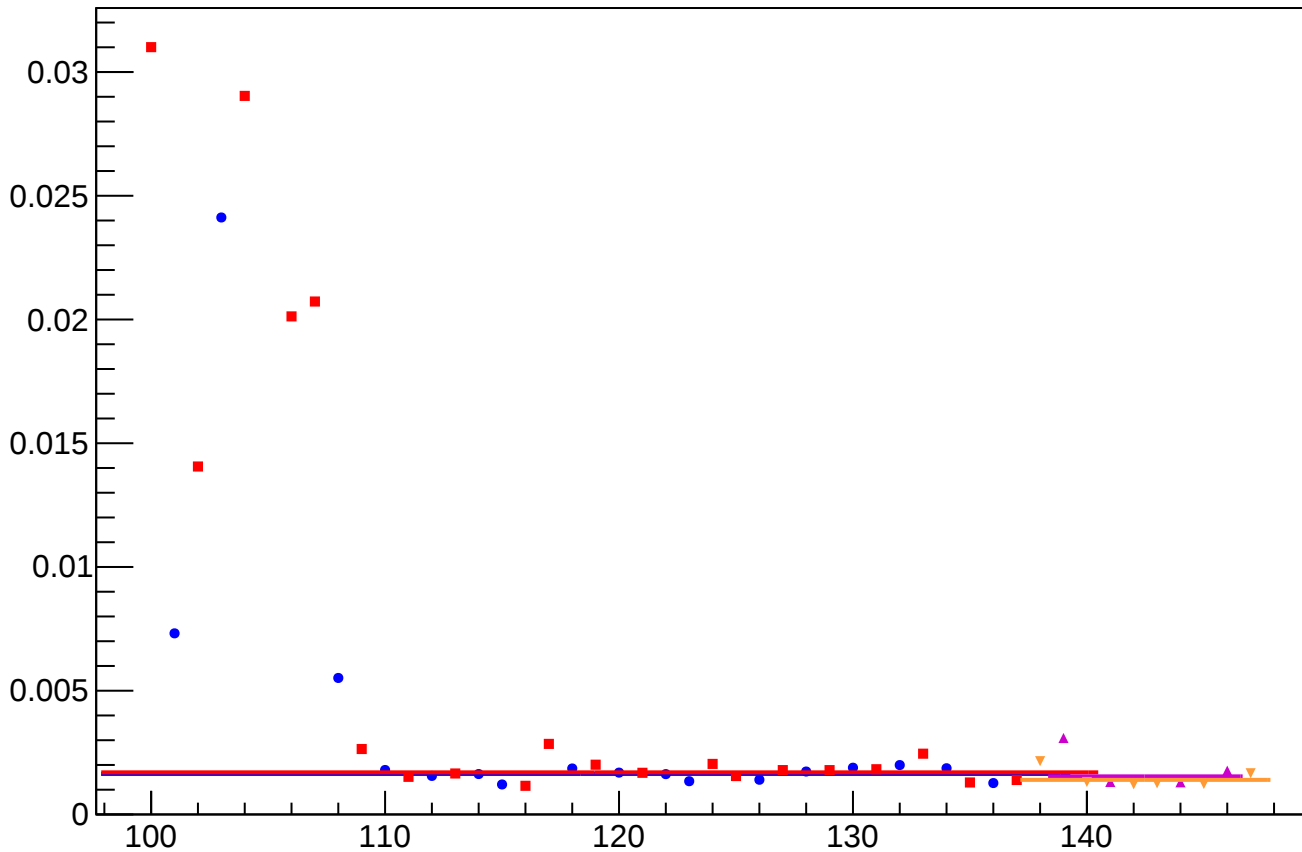
Left In: -0.007+/-0.000 χ^2/NDF : 5958663.1/3

-0.004+/-0.000 χ^2/NDF : 9837822240.7/22

-0.003+/-0.000 χ^2/NDF : 12946827001.3/4

-0.002+/-0.000 χ^2/NDF : 3098490911.4/23

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 ± 0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.001 ± 0.000 χ^2/NDF : 227239.4/5

Right Out: 0.002 ± 0.000 χ^2/NDF : 3037006.7/19

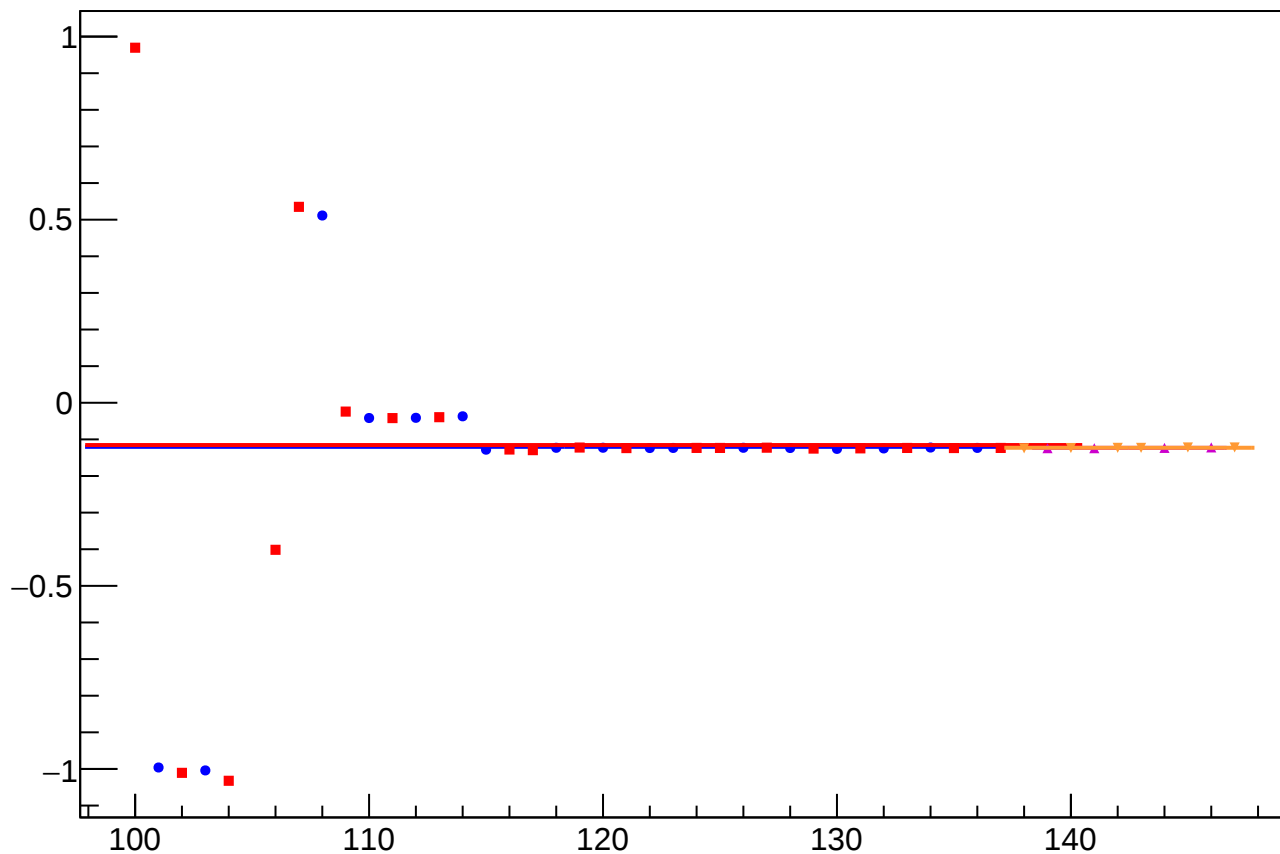
Left In: 0.002 ± 0.000 χ^2/NDF : 461606.5/3

0.002 ± 0.000 χ^2/NDF : 2234739.5/22

0.002 ± 0.000 χ^2/NDF : 5801807.4/46

0.002 ± 0.000 χ^2/NDF : 3530469.1/23

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.123+/-0.000 χ^2/NDF :1877061.3/5

Right Out: -0.115 ± 0.000 χ^2/NDF : 2458475073.1/19

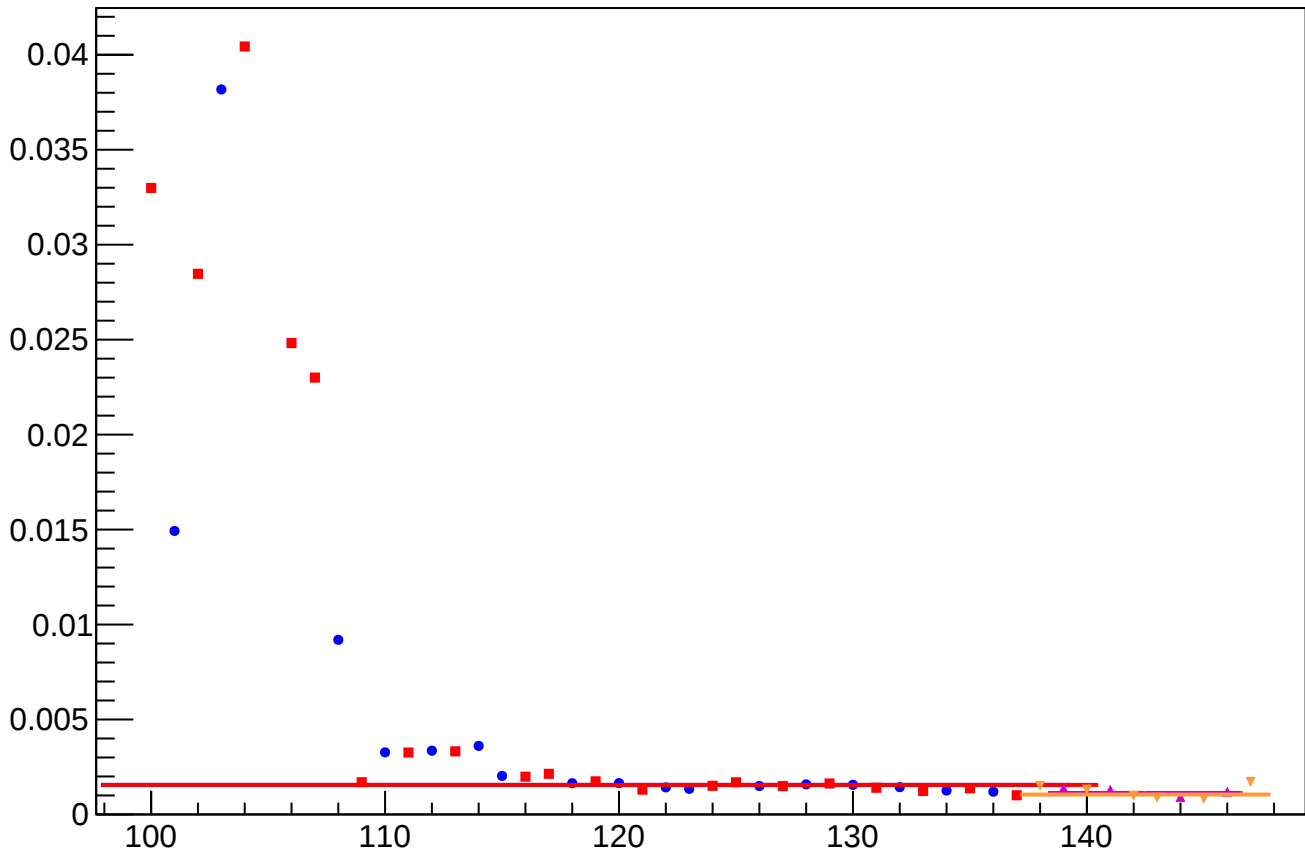
Left In: -0.123+/-0.000 χ^2/NDF :1440434.7/3

-0.122+/-0.000 χ^2/NDF : 3941790994.0/22

-0.121+/-0.000 χ^2/NDF : 6474697449.0/46

-0.120+/-0.000 χ^2/NDF : 2520774942.0/23

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:545759.9/5

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3545212.9/19

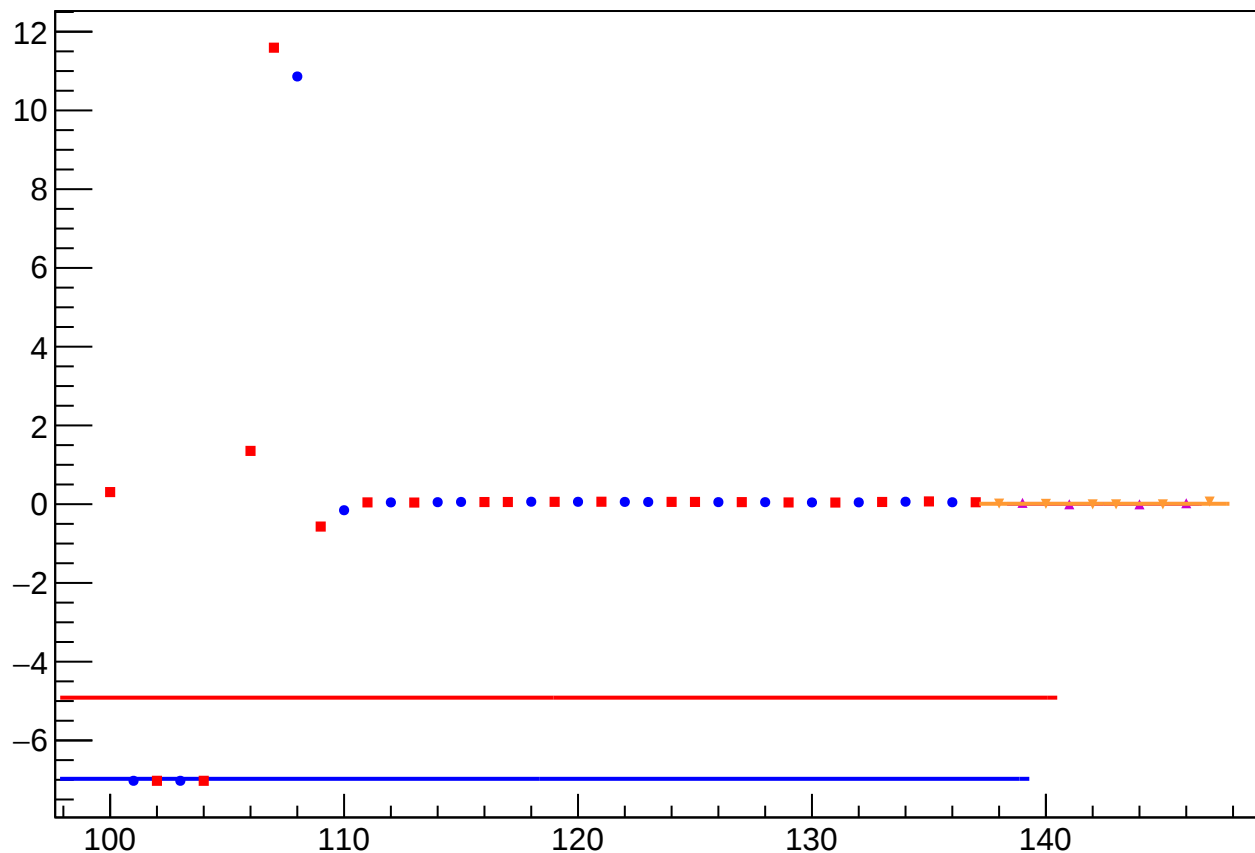
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:155040.3/3

0.001 $\pm$ 0.000 χ^2 /NDF: 4062890.8/22

0.001 $\pm$ 0.000 χ^2 /NDF: 8167191.7/46

0.001 $\pm$ 0.000 χ^2 /NDF: 4065252.9/23

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.010+/-0.000 χ^2/NDF : 26401302.2/5

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

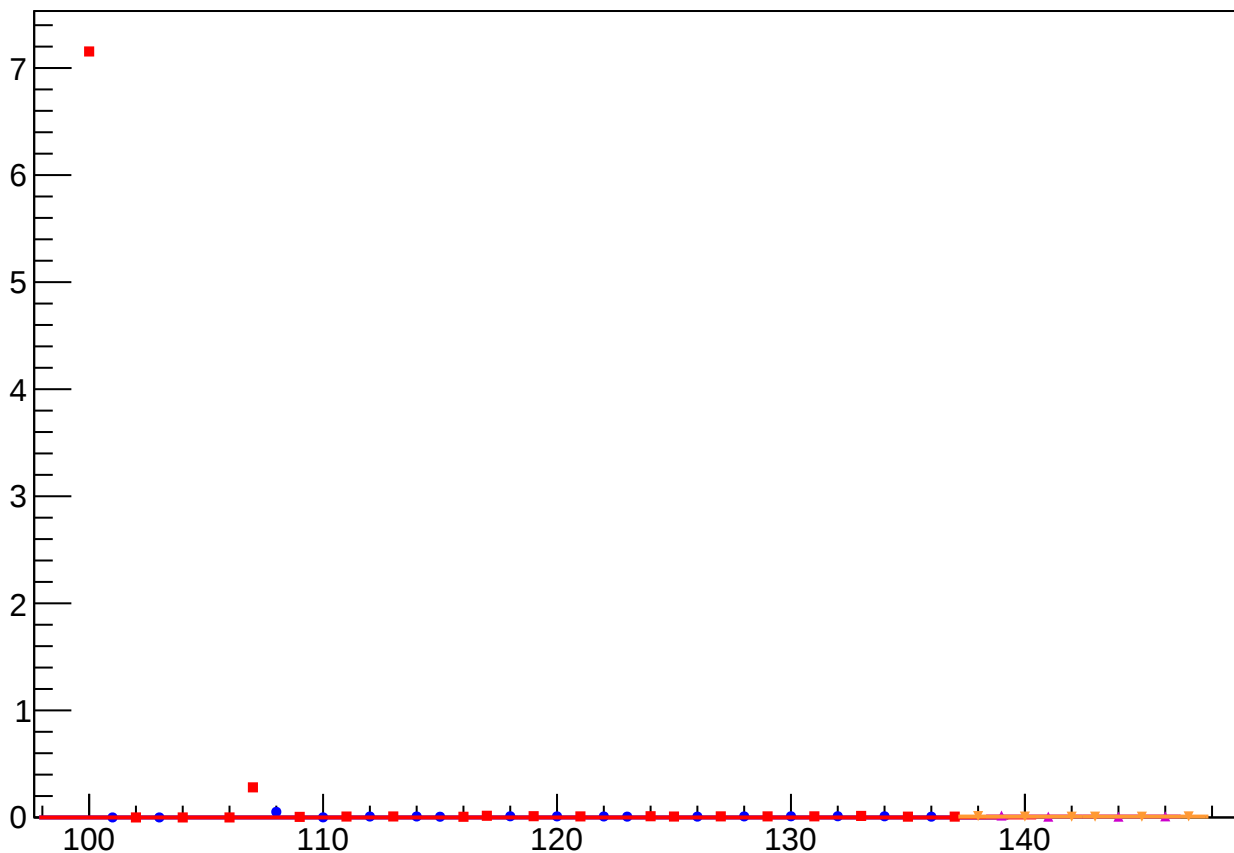
Left In: 0.006+/-0.000 χ^2/NDF : 5469297.9/3

-6.963+/-0.000 χ^2/NDF : 10859892591987.3/22

-5.892+/-0.000 χ^2/NDF : 4328400769406.4/22

-4.909+/-0.000 χ^2/NDF : 366067000470364.4/22

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8242728.7/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:231144.9/5

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8854773.0/19

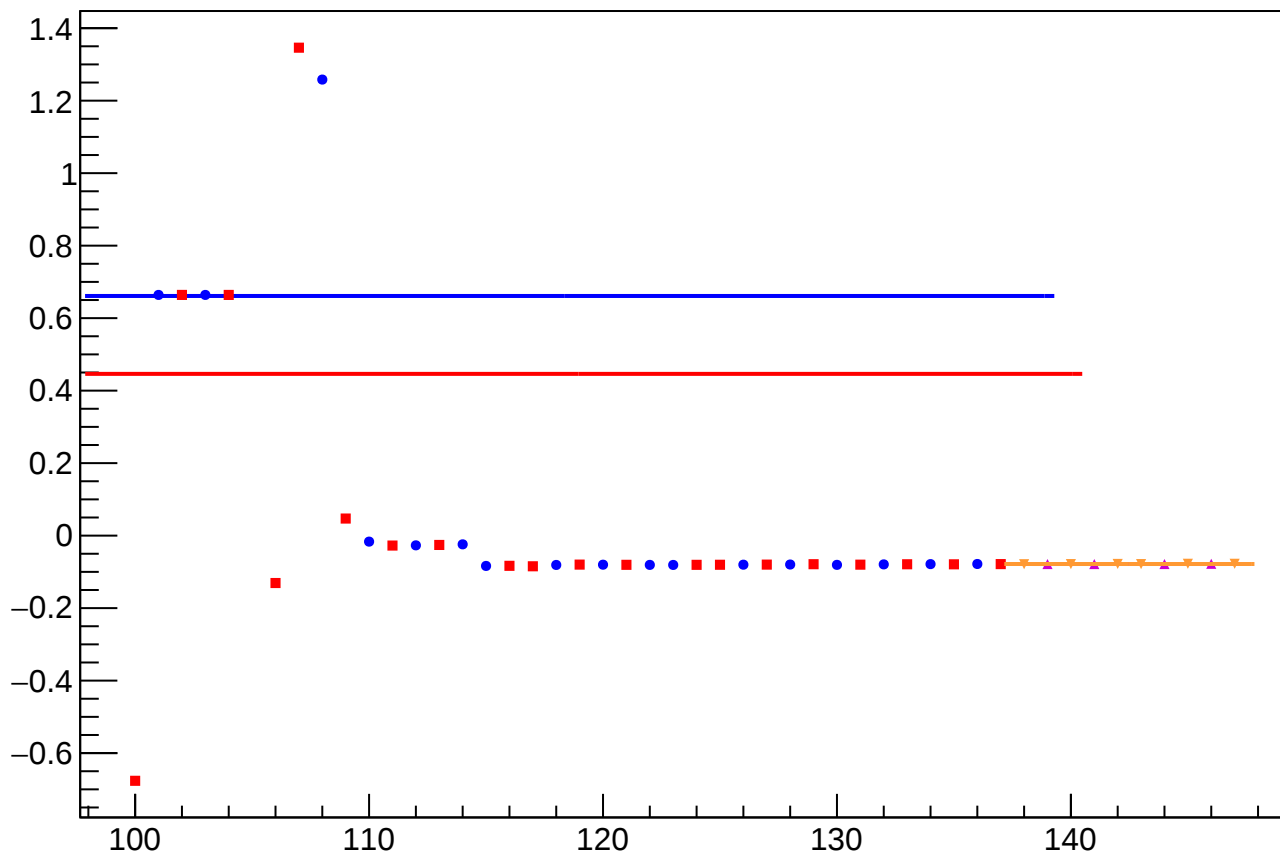
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:459315.1/3

0.000 $\pm$ 0.000 χ^2 /NDF: 14111601.8/22

0.000 $\pm$ 0.000 χ^2 /NDF: 27929137.9/46

0.000 $\pm$ 0.000 χ^2 /NDF: 13815958.5/23

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.078+/-0.000 χ^2/NDF : 2381289.3/5

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

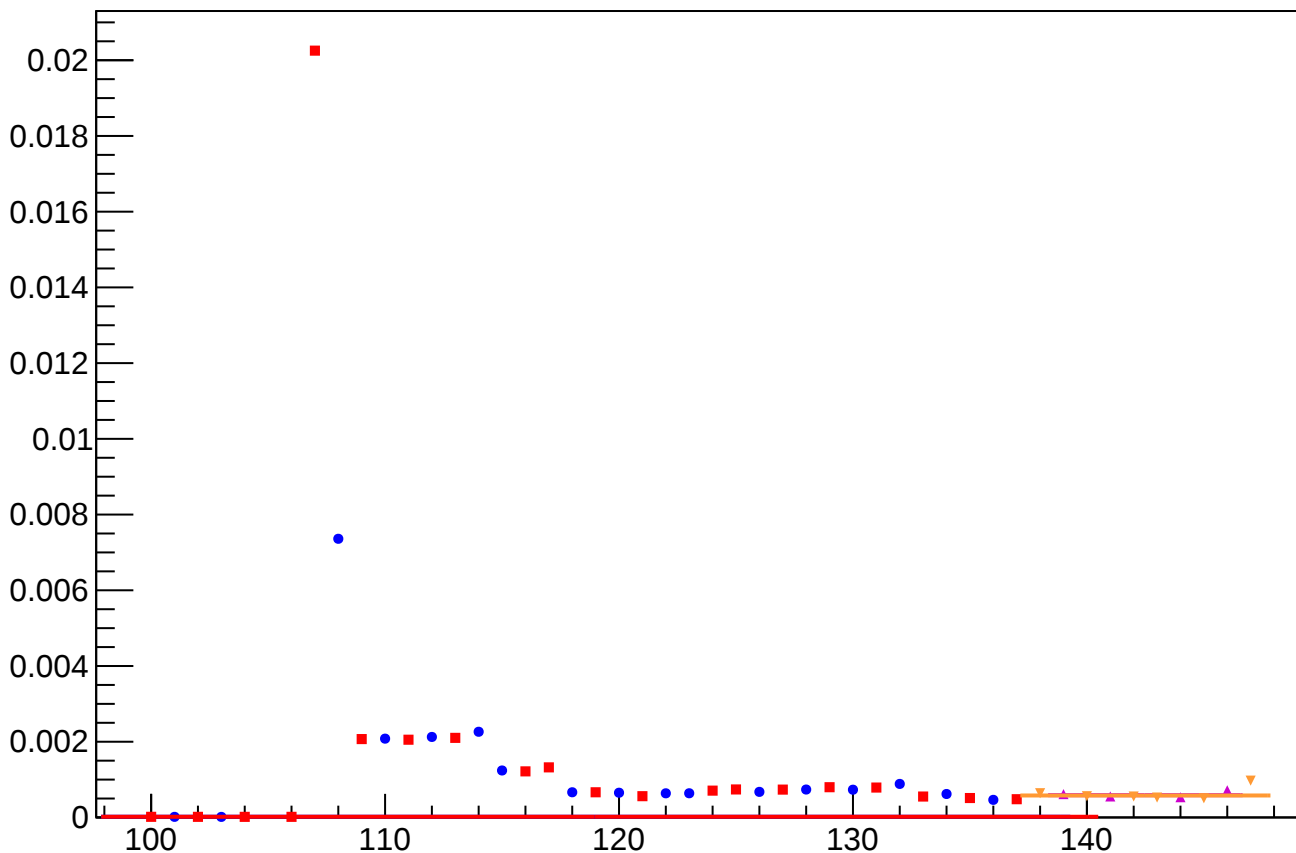
Left In: -0.078+/-0.000 χ^2/NDF : 588251.5/3

0.658+/-0.000 χ^2/NDF : 11725037305416.2/22

0.547+/-0.000 χ^2/NDF : 48179960416213

0.445+/-0.000 χ^2/NDF : 407831184953819.2/23

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF :304050.6/5

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

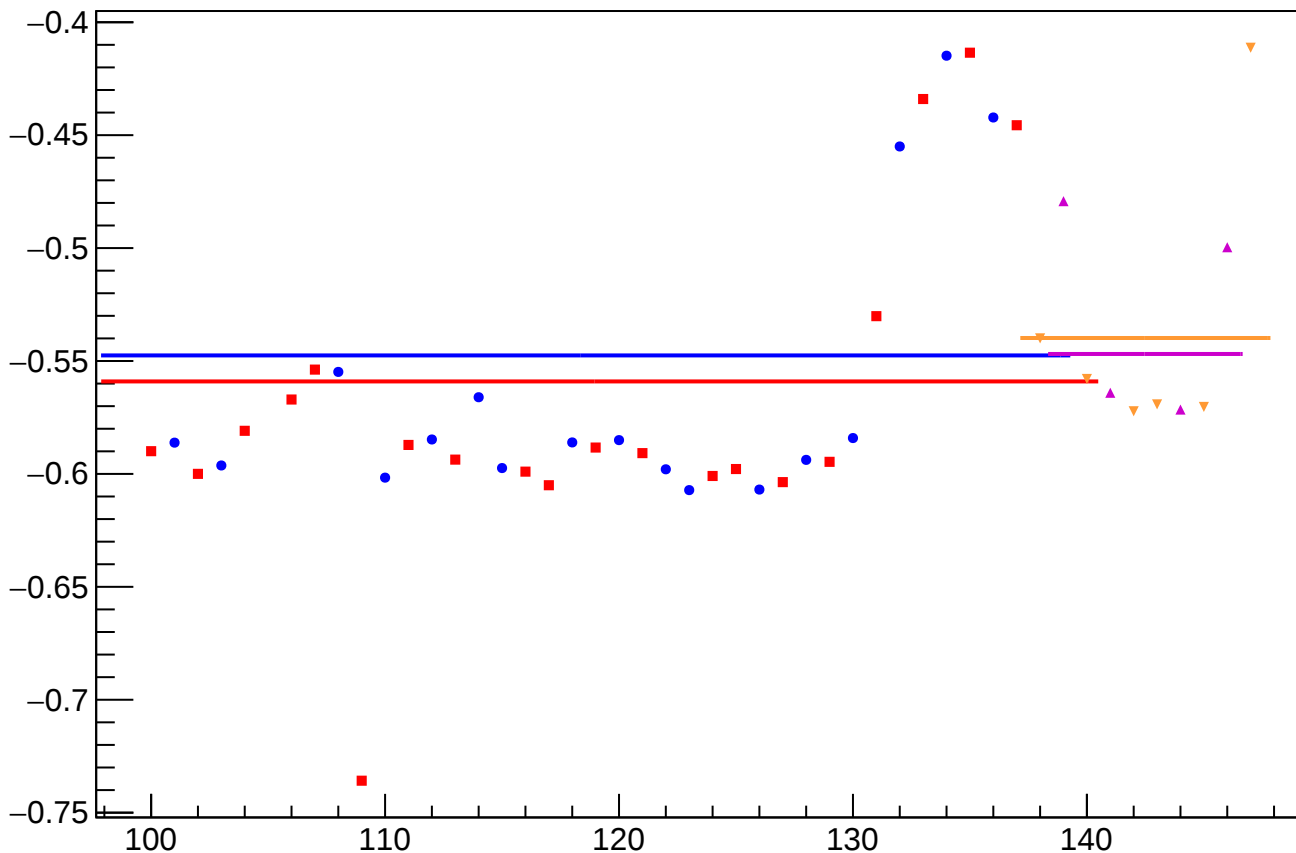
Left In: 0.001+/-0.000 χ^2/NDF :73984.8/3

0.000+/-0.000 χ^2/NDF : 17245361.0/22

0.000+/-0.000 χ^2/NDF : 32567101.4/46

0.000+/-0.000 χ^2/NDF : 15320374.5/23

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.540+/-0.000 χ^2/NDF : 28154371.2/5

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

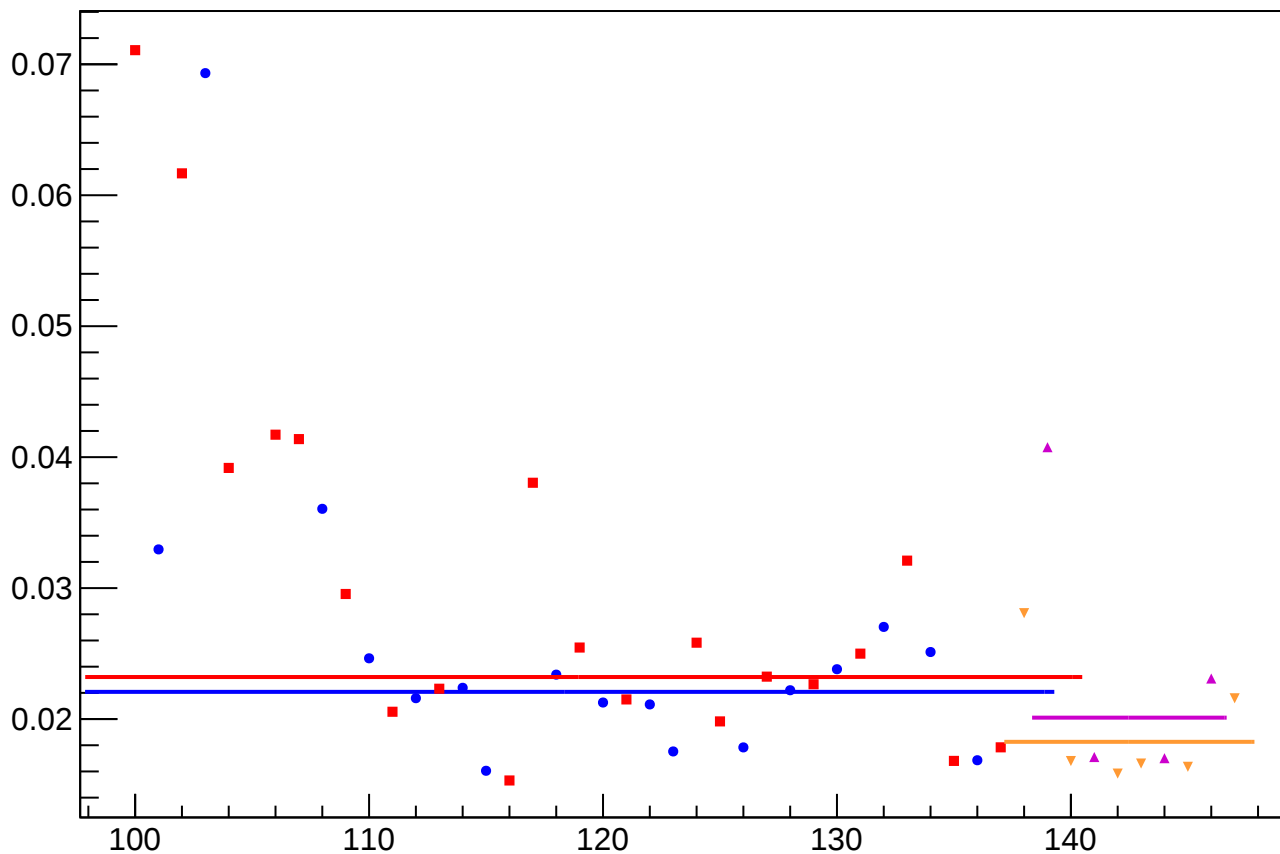
Left In: -0.547+/-0.000 χ^2/NDF : 6590400.0/3

-0.544+/-0.000 χ^2/NDF : 76982175.1/22

-0.549+/-0.000 χ^2/NDF : 150469132.4/46

-0.555+/-0.000 χ^2/NDF : 72520201.1/23

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.018+/-0.000 χ^2/NDF : 220207.9/5

Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

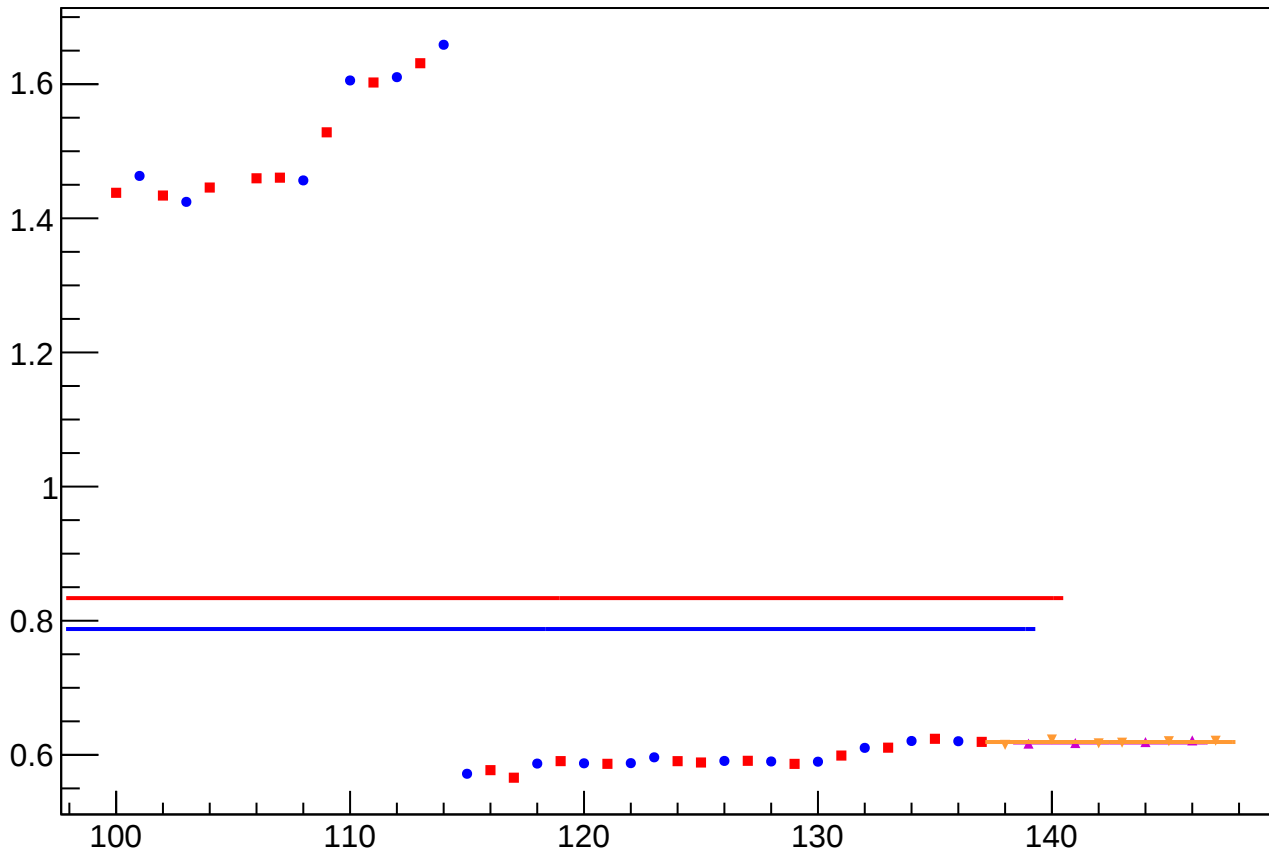
Left In: 0.020+/-0.000 χ^2/NDF : 468881.6/3

0.020+/-0.000 χ^2/NDF : 1313170.7/22

0.021+/-0.000 χ^2/NDF : 3073791.0/46

0.022+/-0.000 χ^2/NDF : 1708233.0/23

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.619+/-0.000 χ^2/NDF : 197889.8/5

Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

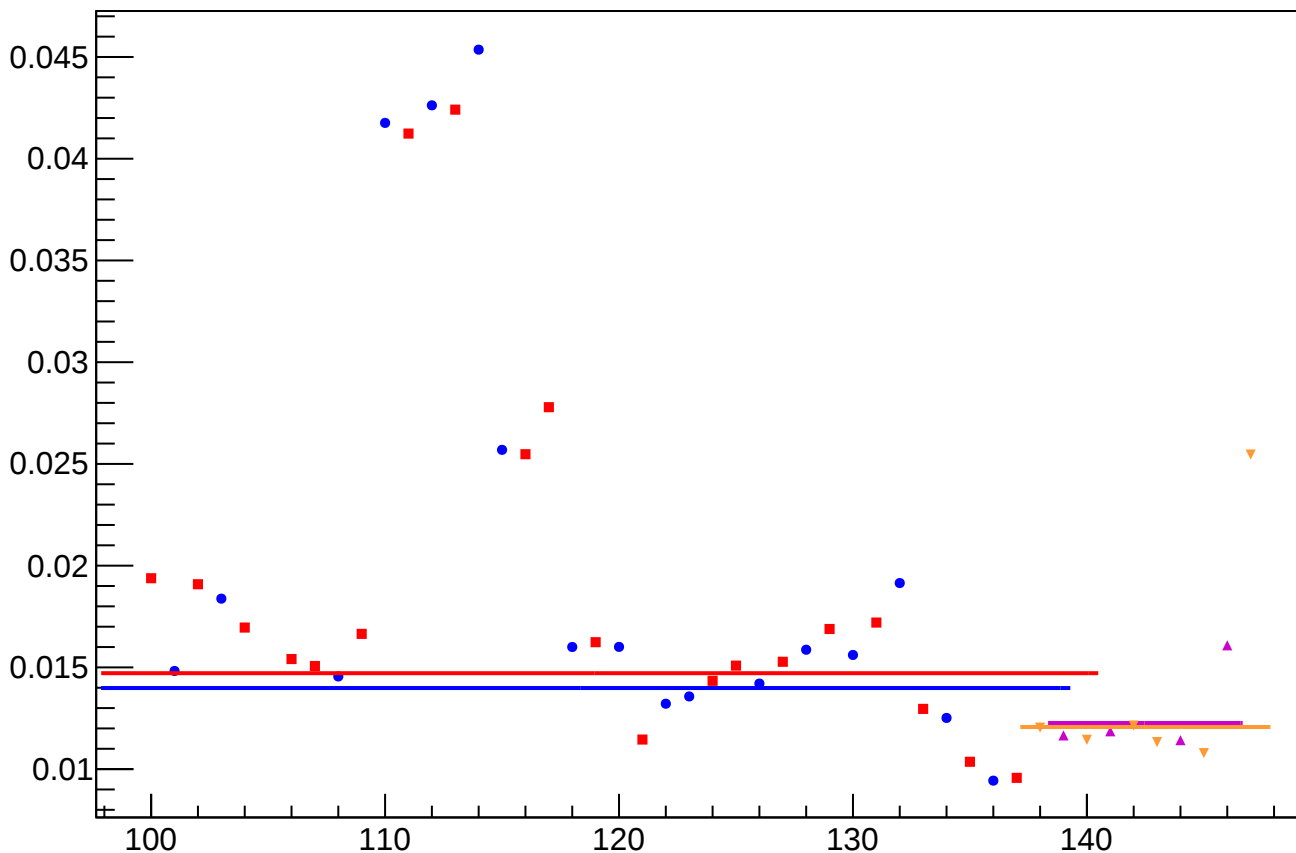
Left In: 0.618+/-0.000 χ^2/NDF : 48561.5/3

0.708+/-0.000 χ^2/NDF : 3967393926.3/22

0.724+/-0.000 χ^2/NDF : 8698032037.6/46

0.743+/-0.000 χ^2/NDF : 4698757483.8/23

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 441863.0/5

Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

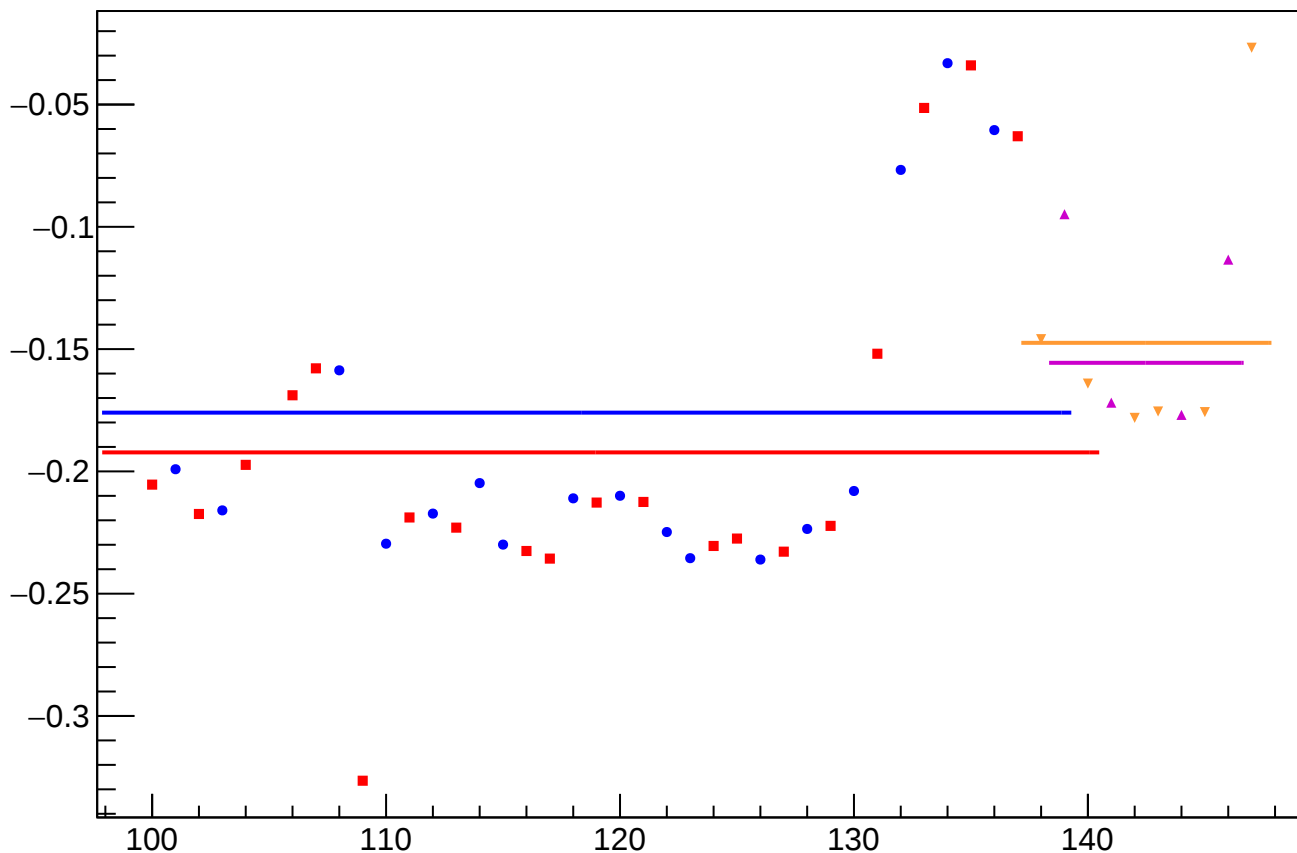
Left In: 0.012+/-0.000 χ^2/NDF : 98226.2/3

0.013+/-0.000 χ^2/NDF : 1940045.3/22

0.013+/-0.000 χ^2/NDF : 3472983.7/46

0.014+/-0.000 χ^2/NDF : 1514144.7/23

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.147+/-0.000 χ^2/NDF : 27531173.7/5

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

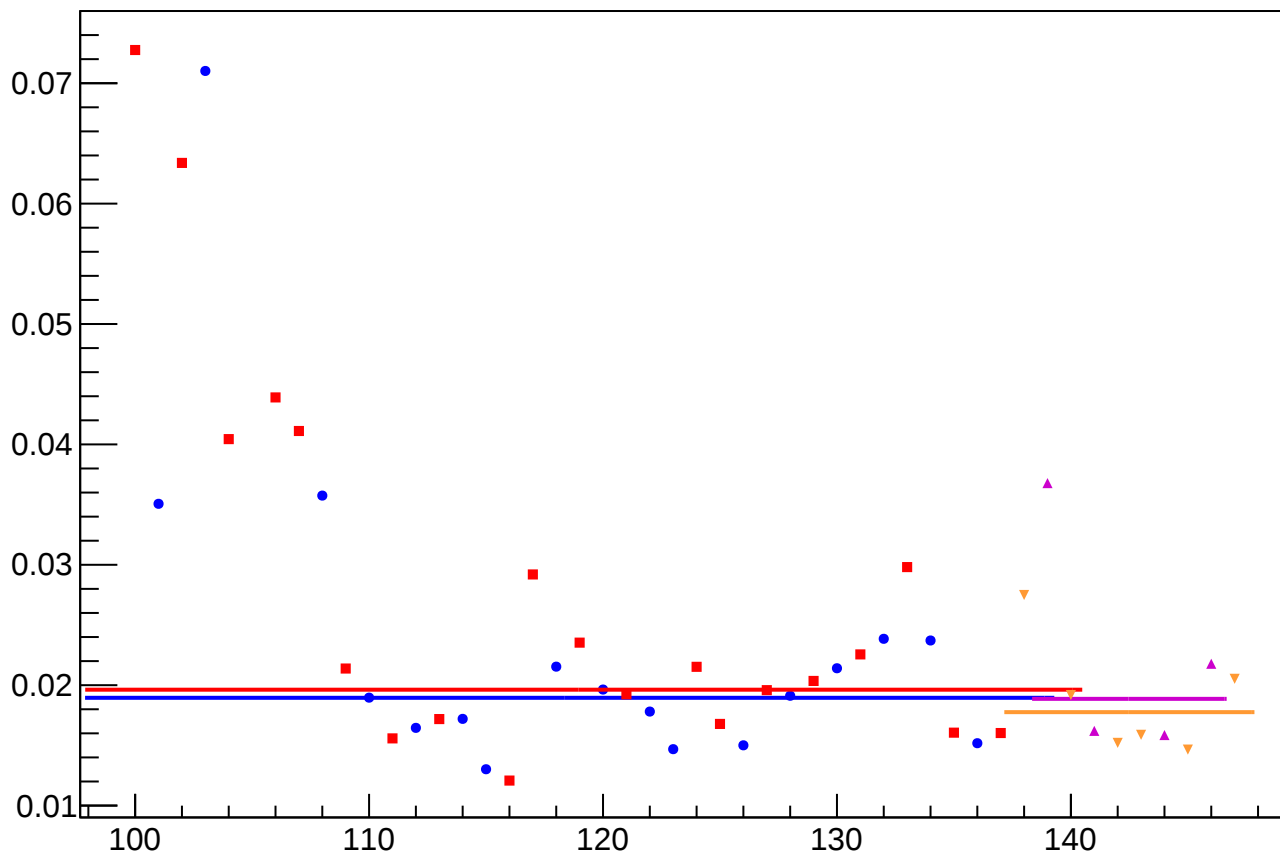
Left In: -0.156+/-0.000 χ^2/NDF : 6131227.7/3

-0.164+/-0.000 χ^2/NDF : 102240770.6/22

-0.172+/-0.000 χ^2/NDF : 200424352.2/46

-0.180+/-0.000 χ^2/NDF : 95461480.2/23

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.018 $\pm$ 0.000 χ^2/NDF : 262134.3/5

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 1463983.0/19

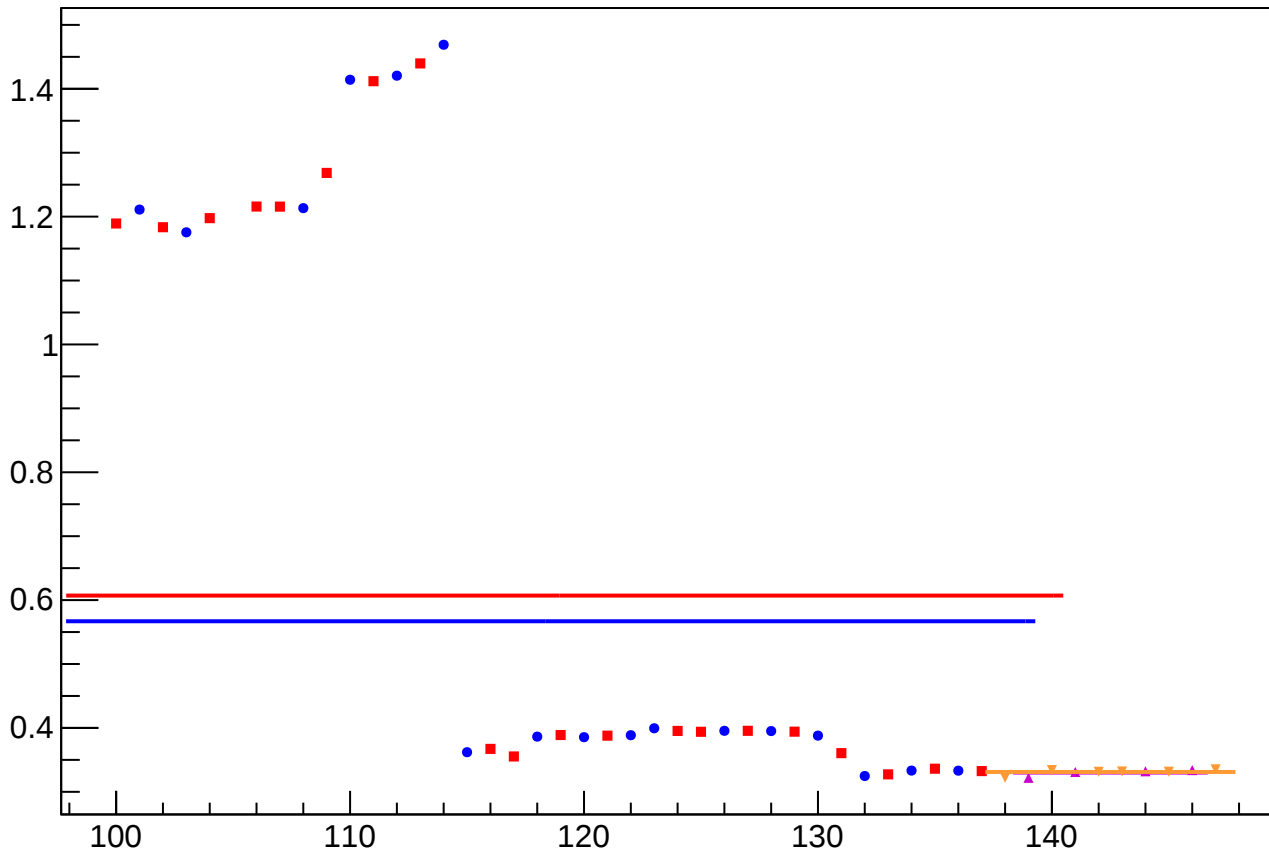
Left In: 0.019 $\pm$ 0.000 χ^2/NDF : 442032.1/3

0.018 $\pm$ 0.000 χ^2/NDF : 1481398.3/22

0.019 $\pm$ 0.000 χ^2/NDF : 3410494.3/46

0.019 $\pm$ 0.000 χ^2/NDF : 1911180.8/23

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.331 $\pm$ 0.000 χ^2 /NDF: 405107.7/5

0.465 $\pm$ 0.000 χ^2 /NDF: 5925465023.4/22

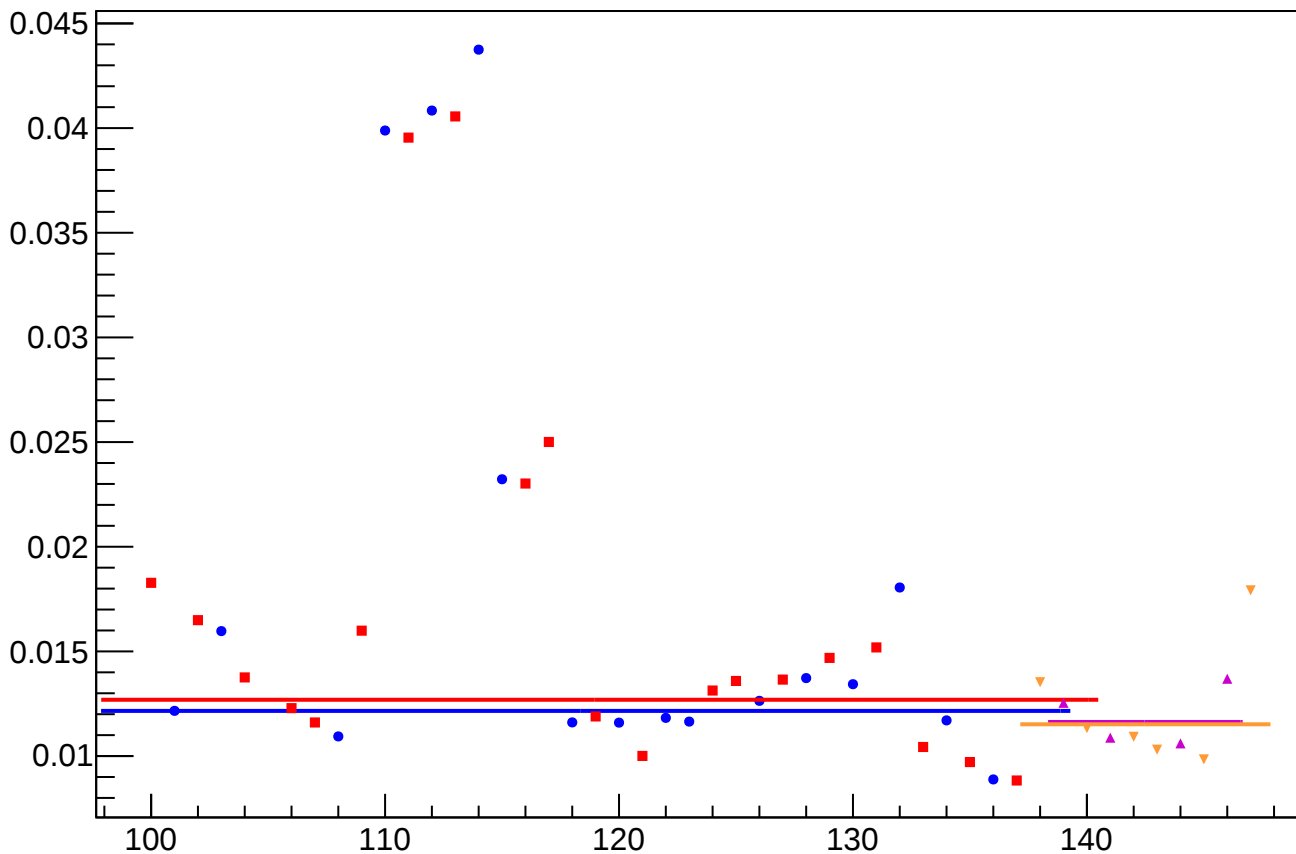
Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

0.482 $\pm$ 0.000 χ^2 /NDF: 12546534799.9/4

0.502 $\pm$ 0.000 χ^2 /NDF: 6578990036.0/23

Left In: 0.330 $\pm$ 0.000 χ^2 /NDF: 395022.7/3

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.012+/-0.000 χ^2/NDF : 284463.4/5

Right Out: 0.013+/-0.000 χ^2/NDF : 1285911.2/19

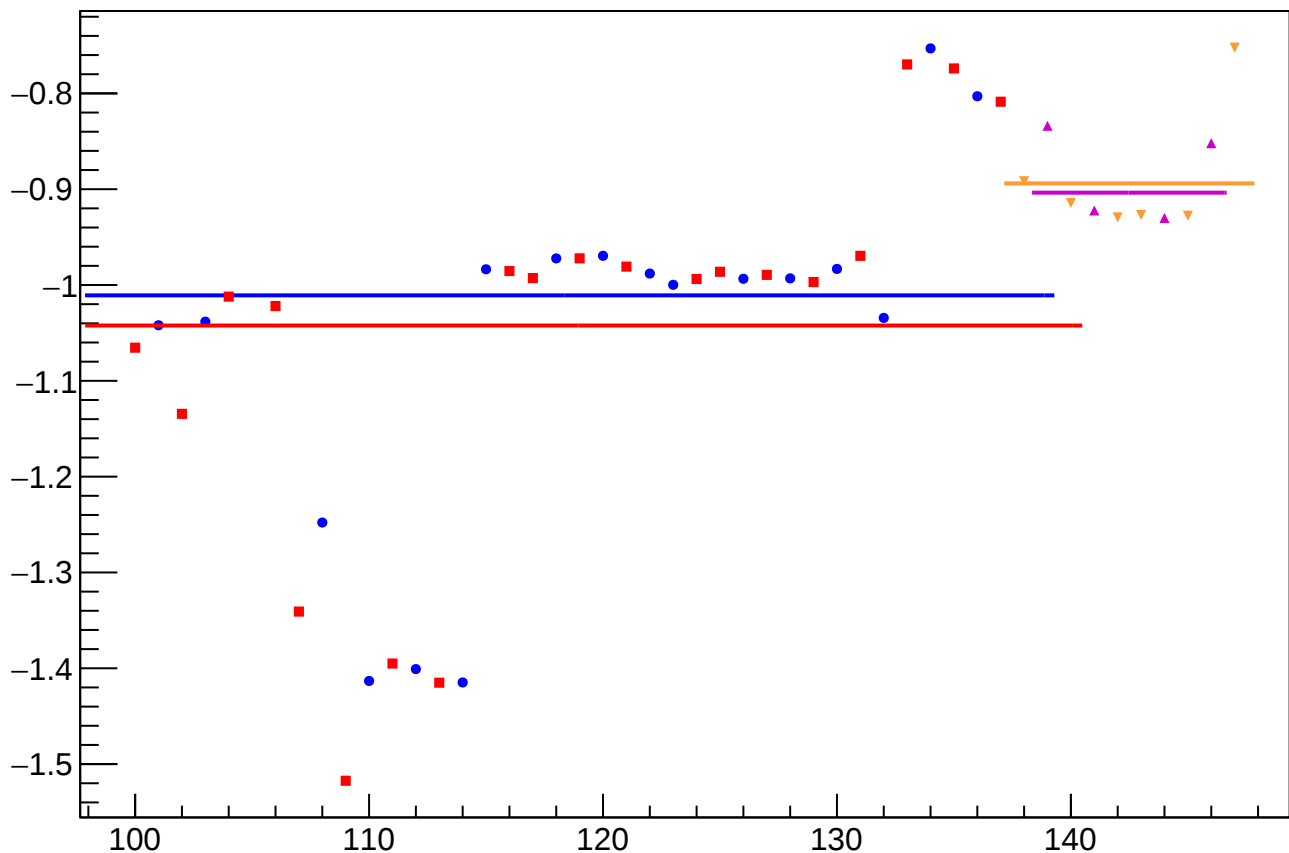
Left In: 0.012+/-0.000 χ^2/NDF : 64545.6/3

0.012+/-0.000 χ^2/NDF : 1605771.9/22

0.012+/-0.000 χ^2/NDF : 2997944.9/46

0.012+/-0.000 χ^2/NDF : 1381901.5/23

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.894+/-0.000 χ^2/NDF : 35900555.0/5

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

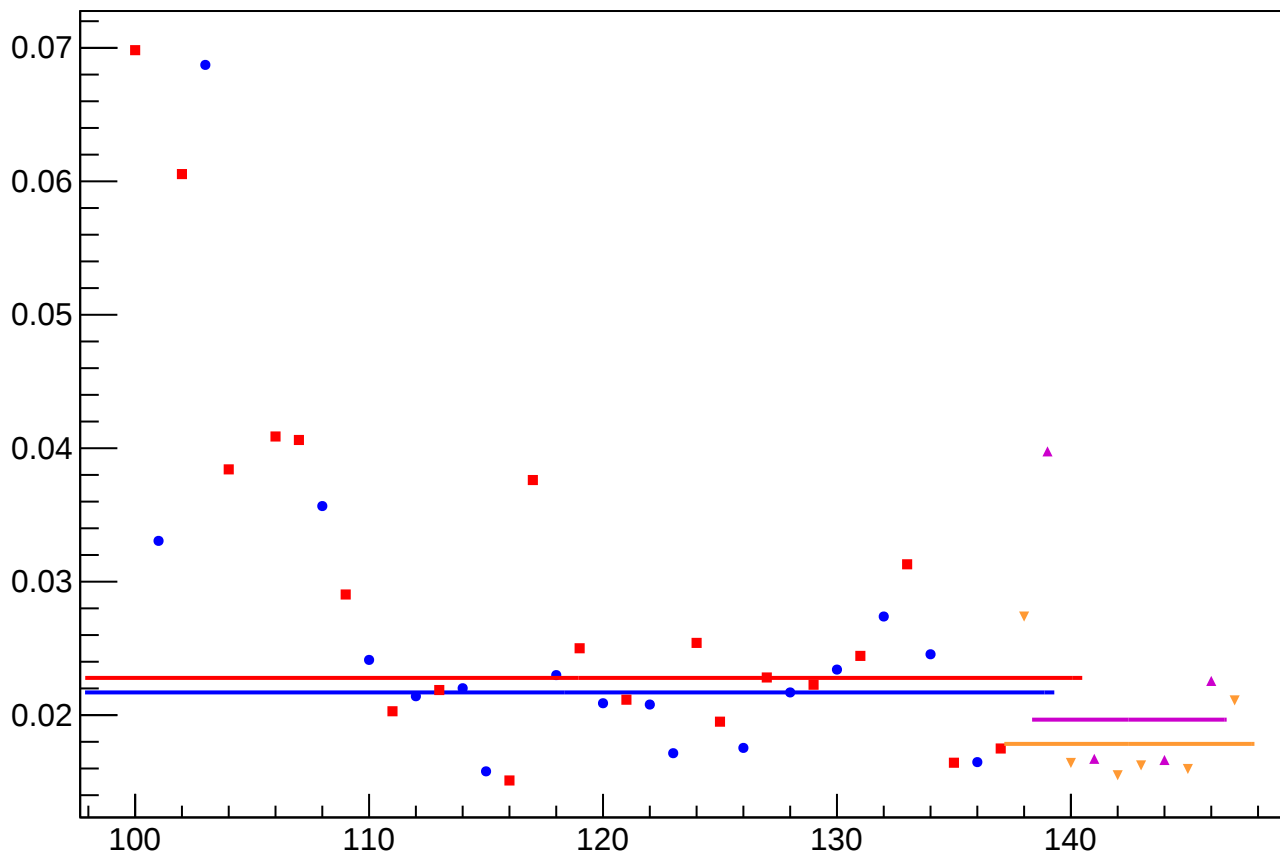
Left In: -0.904+/-0.000 χ^2/NDF : 7910714.0/3

-0.957+/-0.000 χ^2/NDF : 490535248.8/22

-0.972+/-0.000 χ^2/NDF : 1111208449.8/40

-0.991+/-0.000 χ^2/NDF : 610204000.3/23

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.018+/-0.000 χ^2/NDF : 219199.7/5

Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

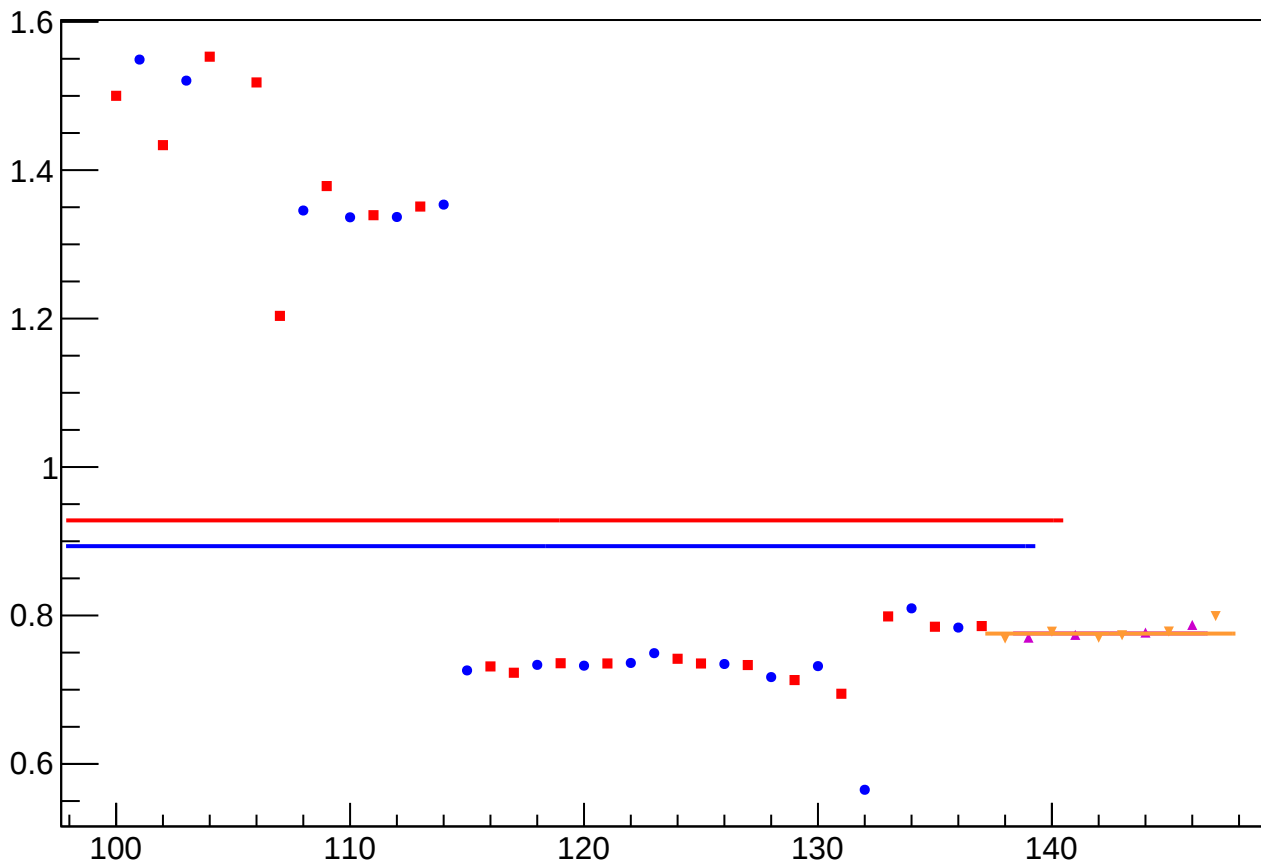
Left In: 0.020+/-0.000 χ^2/NDF : 466843.6/3

0.020+/-0.000 χ^2/NDF : 1345540.3/22

0.021+/-0.000 χ^2/NDF : 3104401.3/46

0.022+/-0.000 χ^2/NDF : 1706276.8/23

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.776+/-0.000 χ^2/NDF :1049431.2/5

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

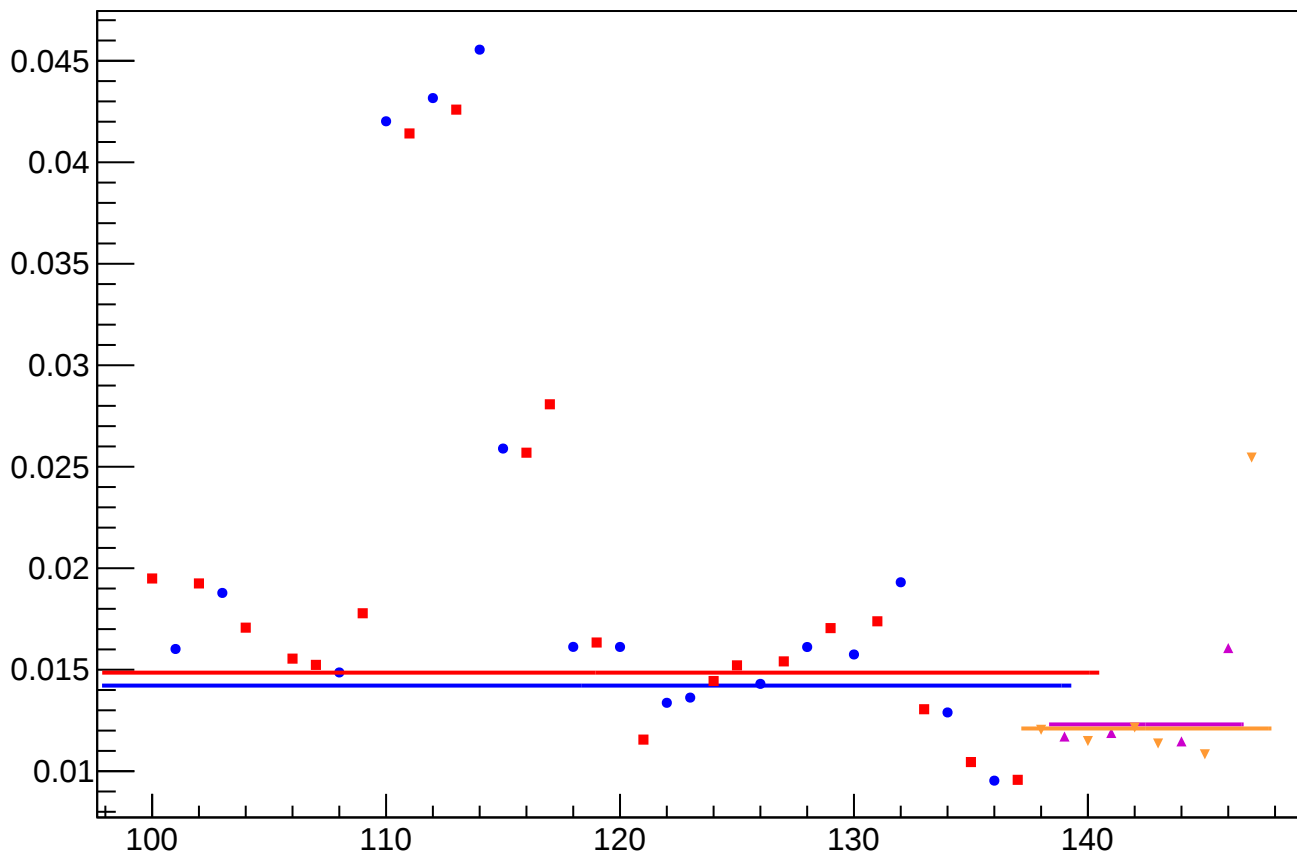
Left In: 0.776+/-0.000 χ^2/NDF :575101.1/3

0.837+/-0.000 χ^2/NDF : 2593714439.3/22

0.849+/-0.000 χ^2/NDF : 5318233812.1/46

0.863+/-0.000 χ^2/NDF : 2706588076.9/23

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 438302.5/5

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1286513.9/19

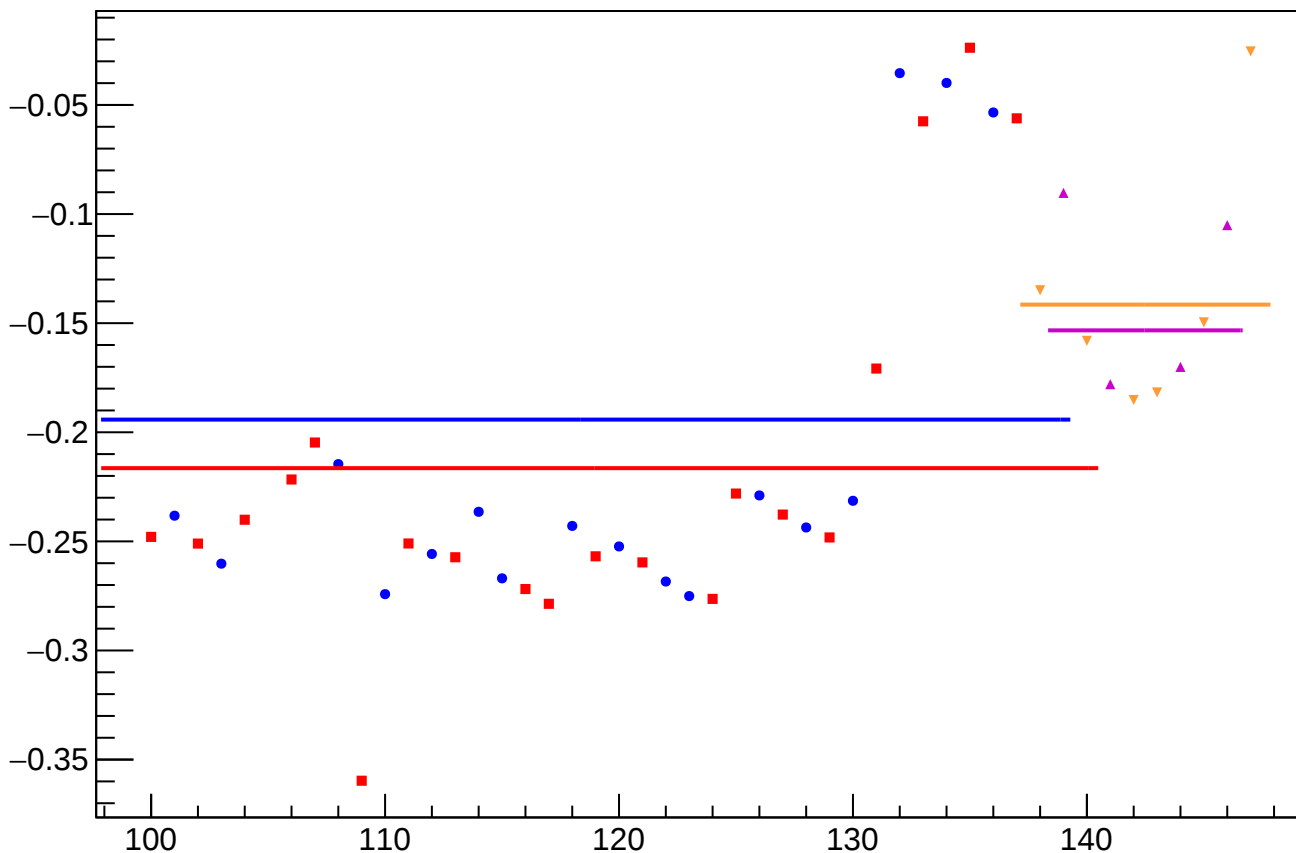
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 95650.5/3

0.013 $\pm$ 0.000 χ^2/NDF : 1966795.6/22

0.013 $\pm$ 0.000 χ^2/NDF : 3516004.8/46

0.014 $\pm$ 0.000 χ^2/NDF : 1532798.9/23

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194 $\pm$ 0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.141 $\pm$ 0.000 χ^2/NDF : 26474948.7/5

Right Out: -0.216 $\pm$ 0.000 χ^2/NDF : 111217219.2/19

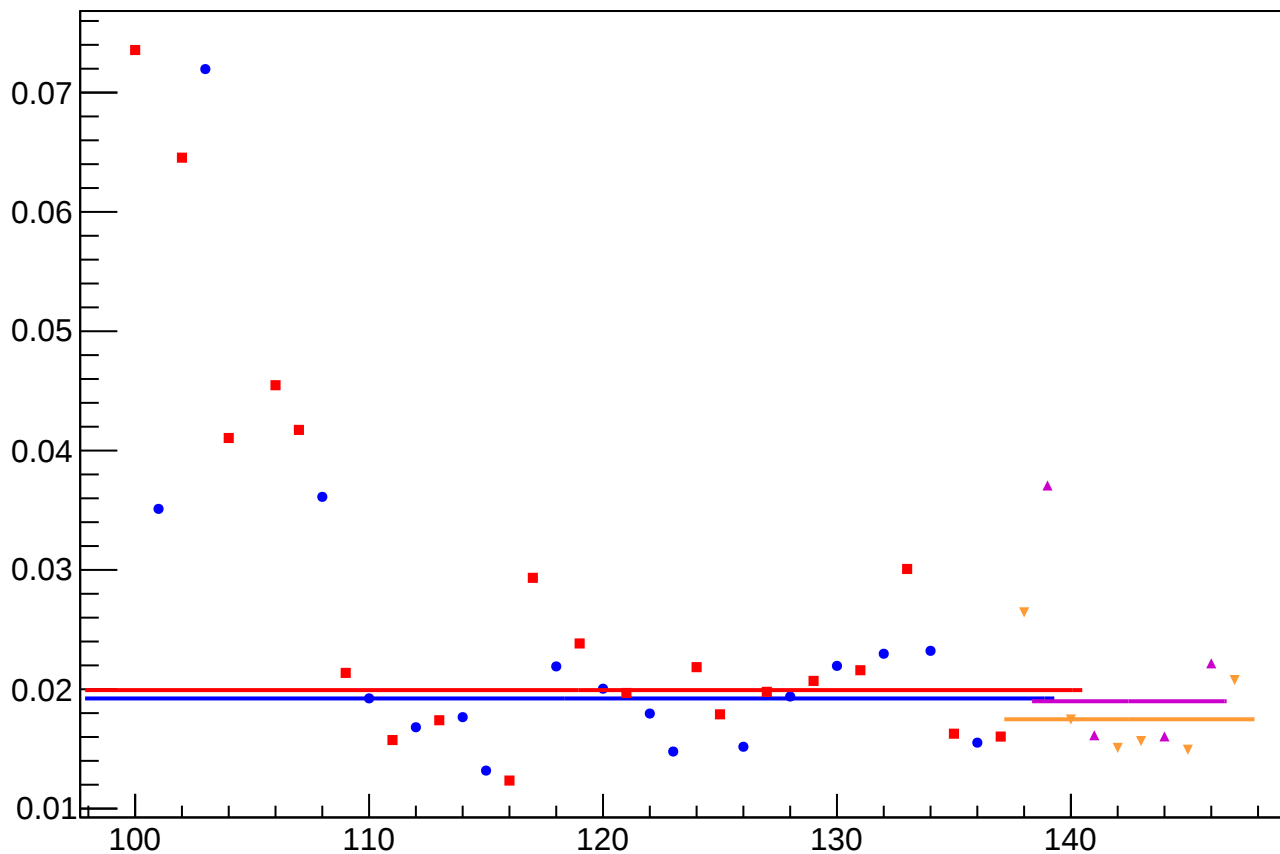
Left In: -0.153 $\pm$ 0.000 χ^2/NDF : 7213988.6/3

-0.172 $\pm$ 0.000 χ^2/NDF : 150530615.7/22

-0.183 $\pm$ 0.000 χ^2/NDF : 292184665.8/46

-0.195 $\pm$ 0.000 χ^2/NDF : 135868256.7/23

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF : 229635.0/5

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 1452730.4/19

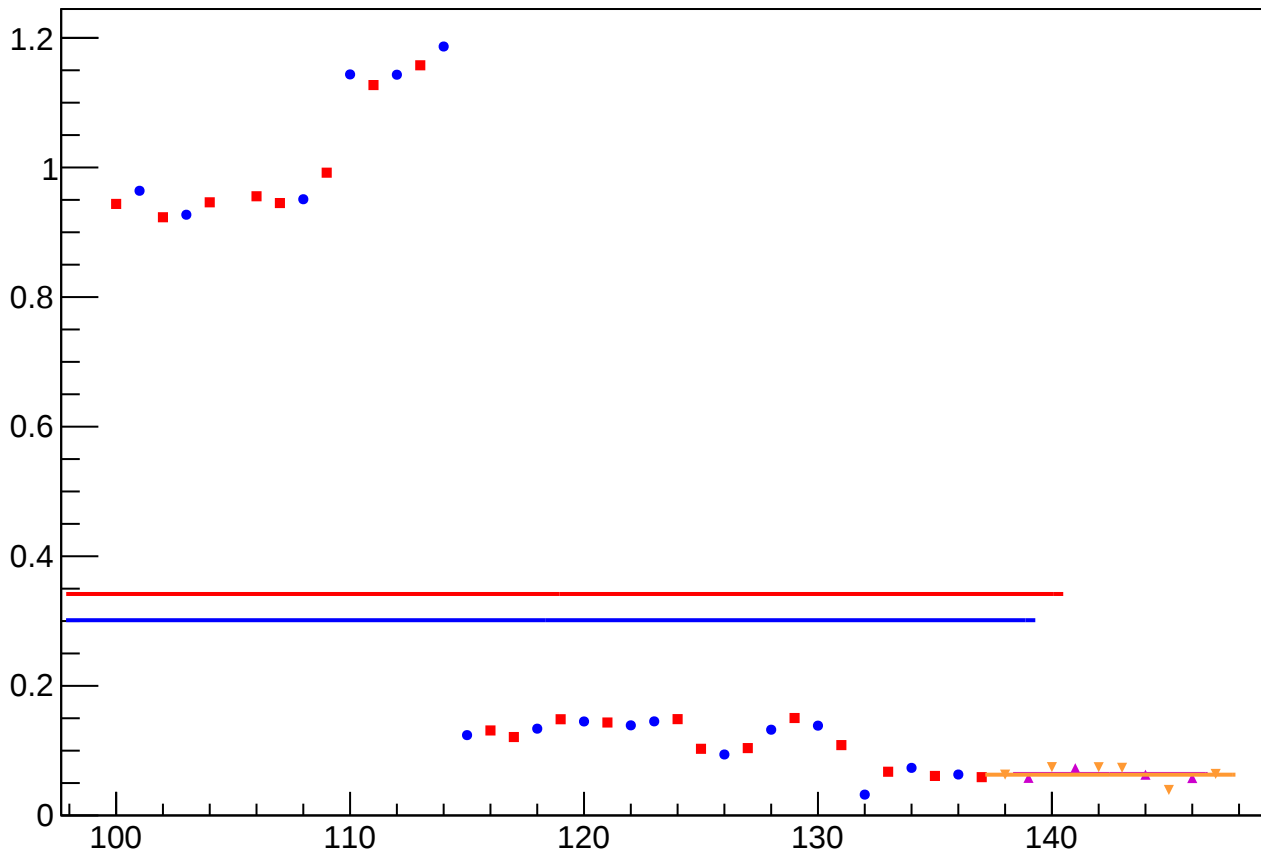
Left In: 0.019 $\pm$ 0.000 χ^2/NDF : 447947.5/3

0.018 $\pm$ 0.000 χ^2/NDF : 1438504.6/22

0.019 $\pm$ 0.000 χ^2/NDF : 3373523.3/46

0.020 $\pm$ 0.000 χ^2/NDF : 1908311.4/23

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5154791073.8/16

Left Out: 0.063 $\pm$ 0.000 χ^2 /NDF:6289335.2/5

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5445885893.4/19

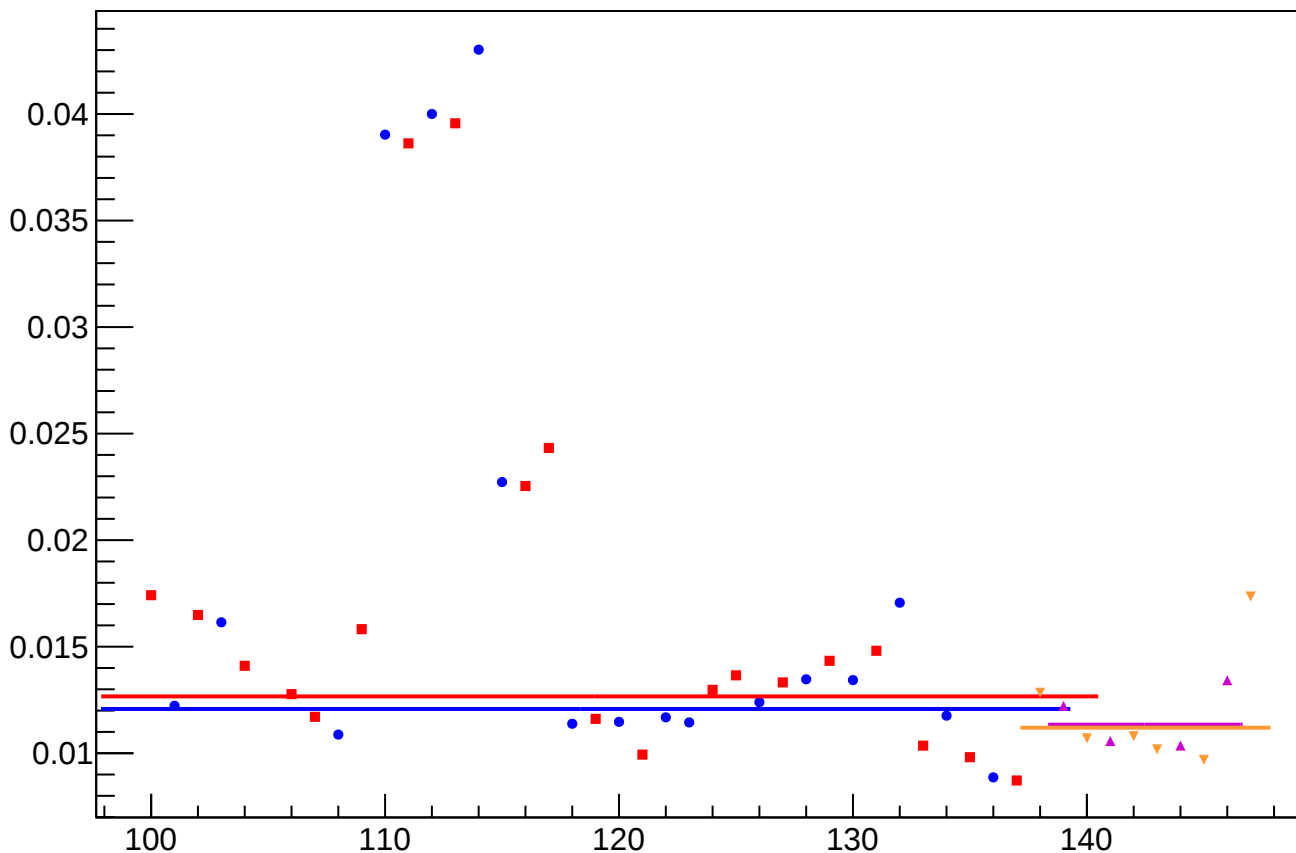
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:913656.7/3

0.196 $\pm$ 0.000 χ^2 /NDF: 6125275050.9/22

0.213 $\pm$ 0.000 χ^2 /NDF: 12727468211.2/4

0.233 $\pm$ 0.000 χ^2 /NDF: 6557692139.2/23

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 263671.5/5

Right Out: 0.013+/-0.000 χ^2/NDF : 1253755.7/19

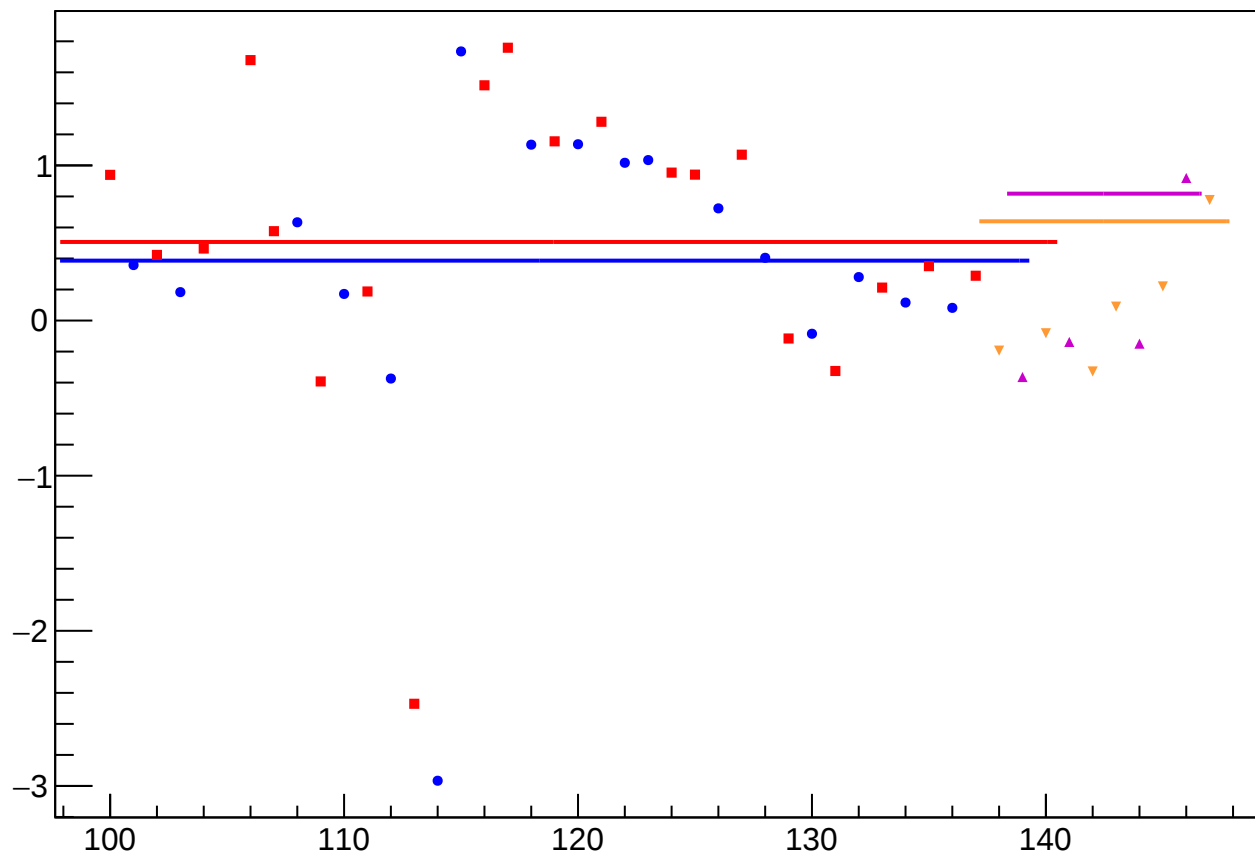
Left In: 0.011+/-0.000 χ^2/NDF : 66731.4/3

0.012+/-0.000 χ^2/NDF : 1570158.3/22

0.012+/-0.000 χ^2/NDF : 2954997.4/46

0.012+/-0.000 χ^2/NDF : 1371253.4/23

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2/NDF : 246380221.7/16

Left Out: 0.640 $\pm$ 0.000 χ^2/NDF : 273175732.1/5

Right Out: 0.507 $\pm$ 0.000 χ^2/NDF : 995373603.6/19

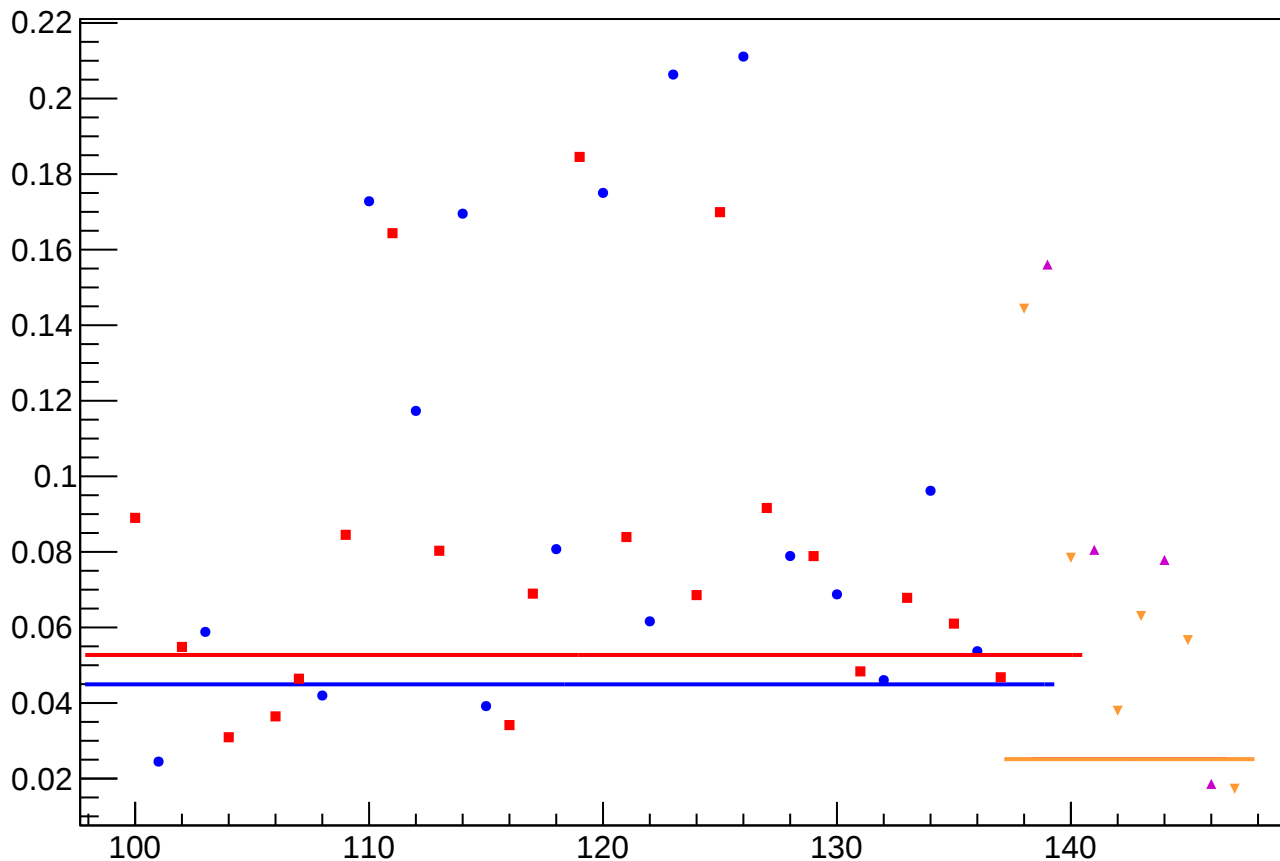
Left In: 0.818 $\pm$ 0.000 χ^2/NDF : 204342896.8/3

0.542 $\pm$ 0.000 χ^2/NDF : 588587710.1/22

0.605 $\pm$ 0.000 χ^2/NDF : 1912752289.7/46

0.686 $\pm$ 0.000 χ^2/NDF : 1283176934.3/23

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.025 $\pm$ 0.000 χ^2/NDF : 2241025.5/5

Right Out: 0.053 $\pm$ 0.000 χ^2/NDF : 2195781.8/19

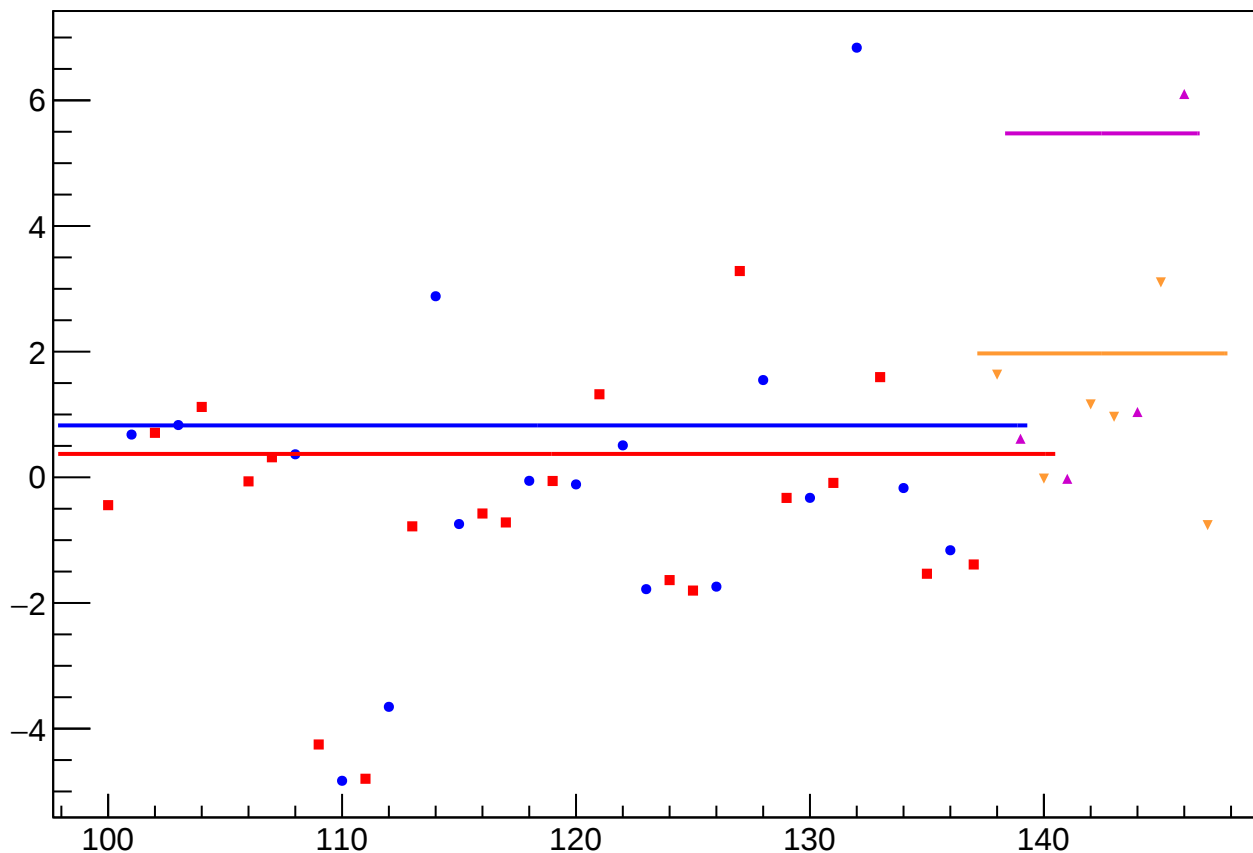
Left In: 0.025 $\pm$ 0.000 χ^2/NDF : 1991333.2/3

0.033 $\pm$ 0.000 χ^2/NDF : 5870580.1/22

0.035 $\pm$ 0.000 χ^2/NDF : 11429111.8/46

0.037 $\pm$ 0.000 χ^2/NDF : 5492037.5/23

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 $\pm$ 0.000 χ^2/NDF : 10945455664.9/16

Left Out: 1.972 $\pm$ 0.000 χ^2/NDF : 11276062774.9/5

Right Out: 0.372 $\pm$ 0.000 χ^2/NDF : 4960201861.0/19

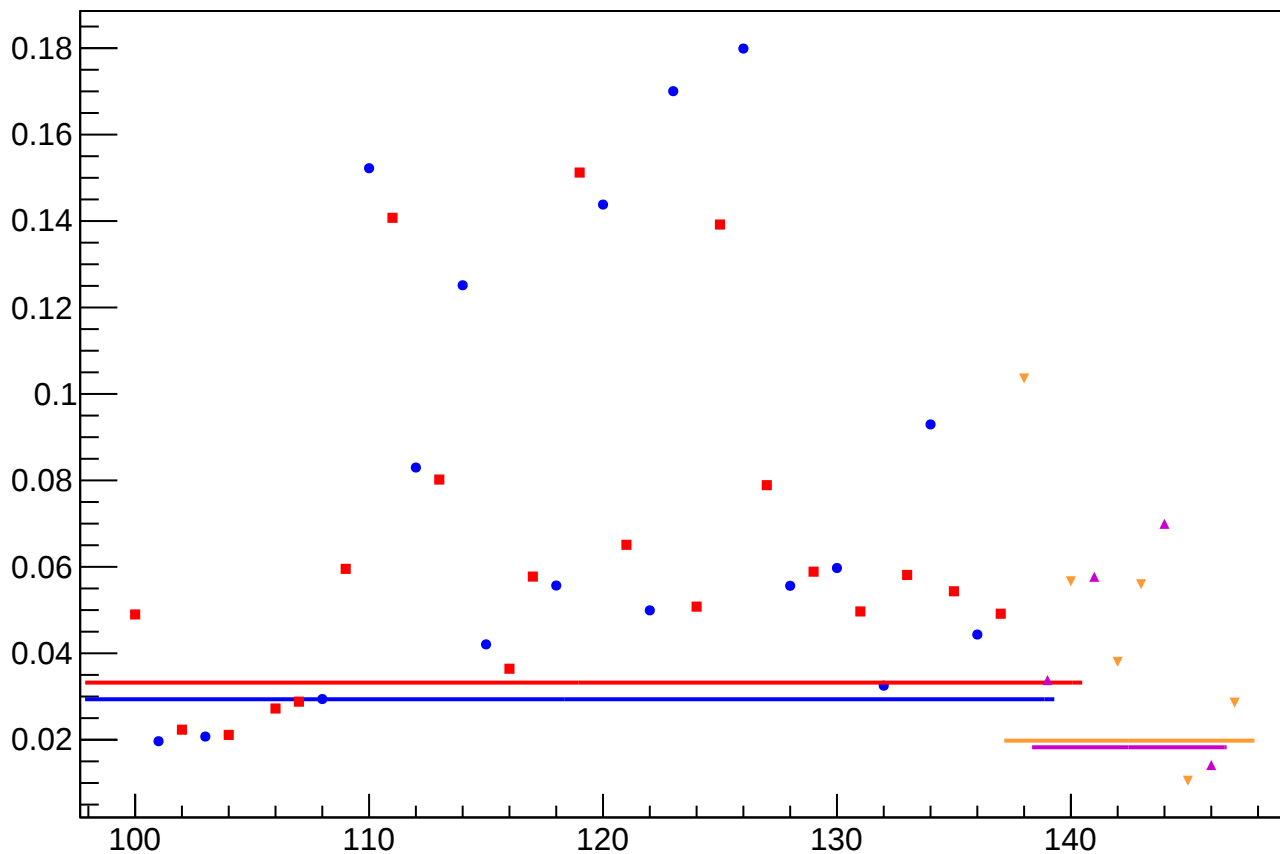
Left In: 5.474 $\pm$ 0.000 χ^2/NDF : 12181404039.9/3

1.414 $\pm$ 0.000 χ^2/NDF : 24868608977.3/22

2.200 $\pm$ 0.000 χ^2/NDF : 100456856585.5/

3.058 $\pm$ 0.000 χ^2/NDF : 65149039055.8/23

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 2233547.2/5

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3112299.1/19

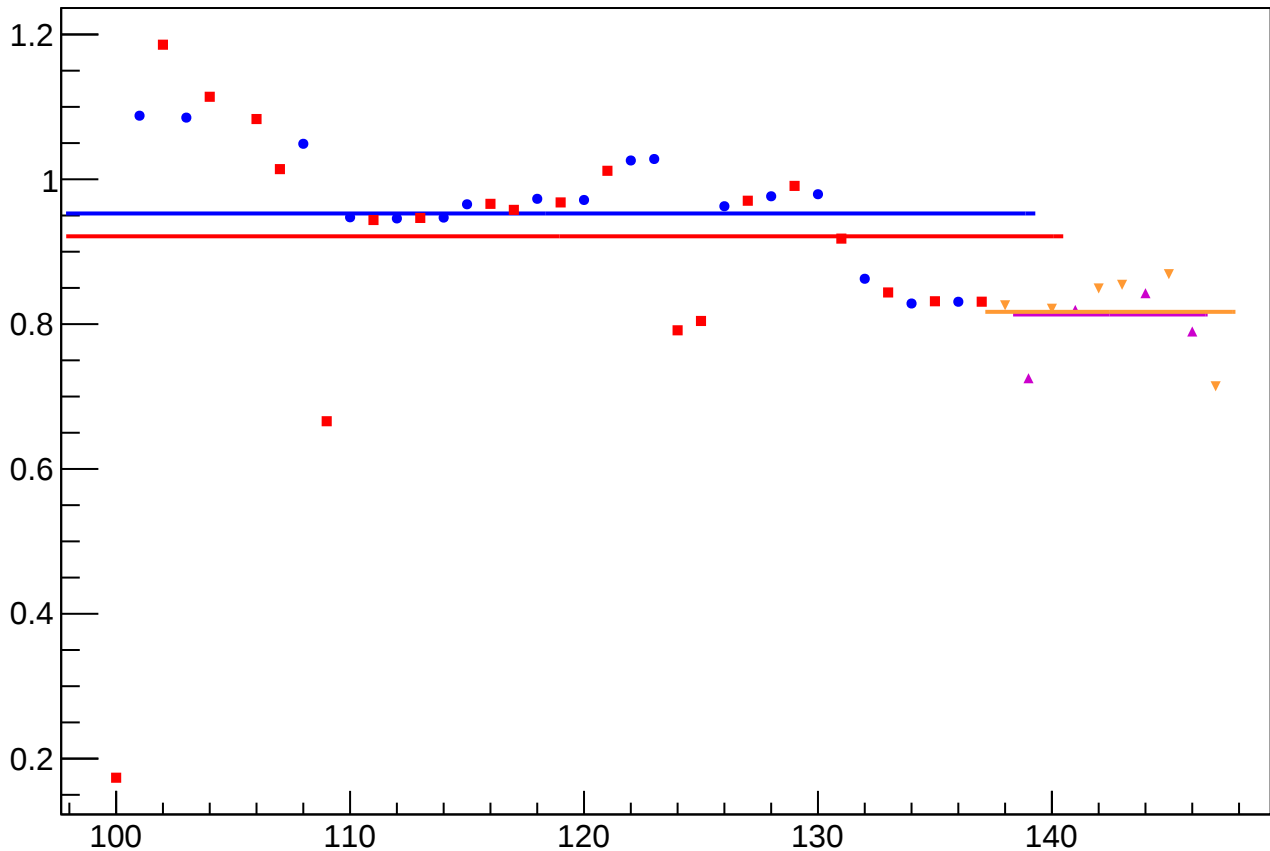
Left In: 0.018 $\pm$ 0.000 χ^2/NDF : 1245093.5/3

0.024 $\pm$ 0.000 χ^2/NDF : 5590632.4/22

0.025 $\pm$ 0.000 χ^2/NDF : 10779993.3/46

0.025 $\pm$ 0.000 χ^2/NDF : 5183268.7/23

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.817 $\pm$ 0.000 χ^2 /NDF: 70454703.5/5

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374306248.8/19

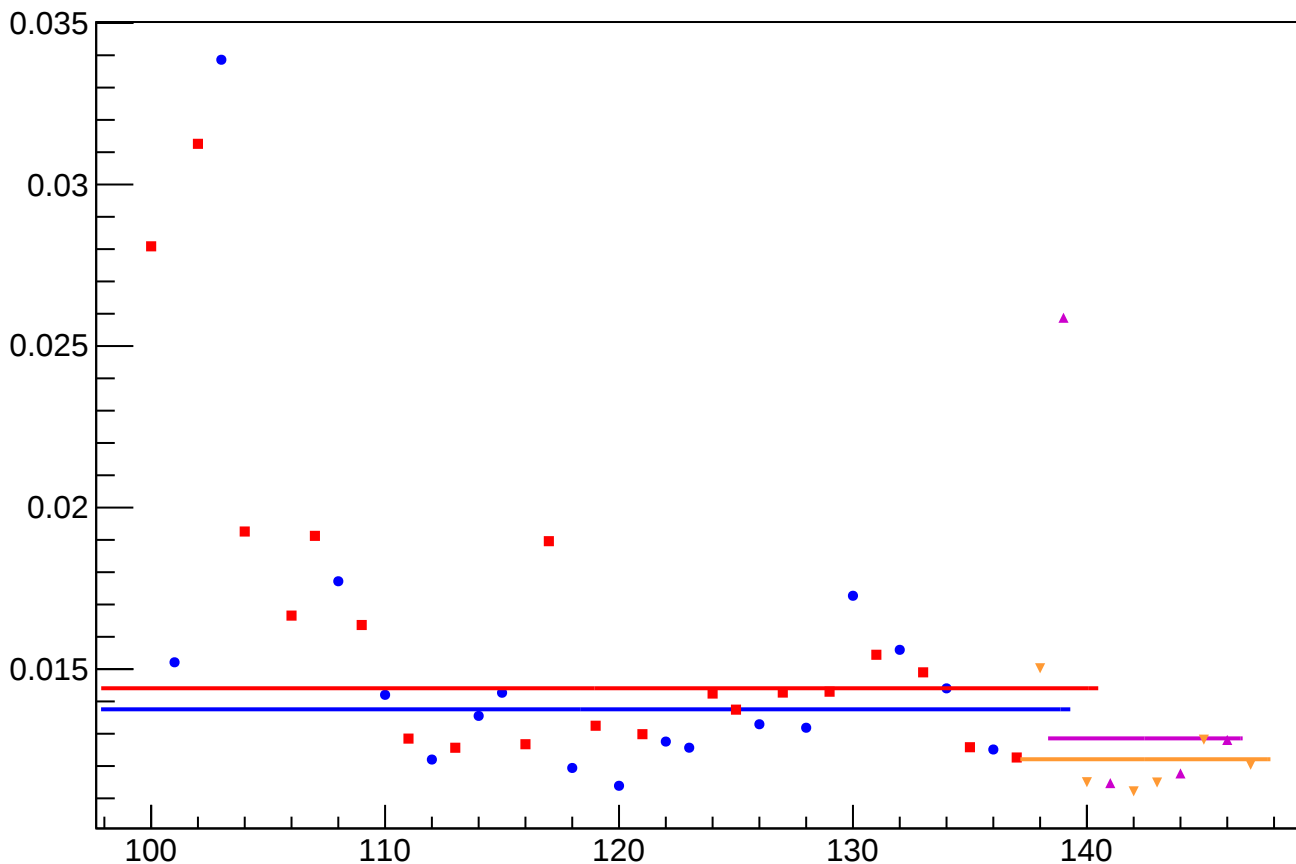
Left In: 0.813 $\pm$ 0.000 χ^2 /NDF: 15535377.0/3

0.895 $\pm$ 0.000 χ^2 /NDF: 486902622.4/22

0.889 $\pm$ 0.000 χ^2 /NDF: 1002794698.5/46

0.883 $\pm$ 0.000 χ^2 /NDF: 512448240.8/23

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 538469.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 58824.0/5

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 508622.9/19

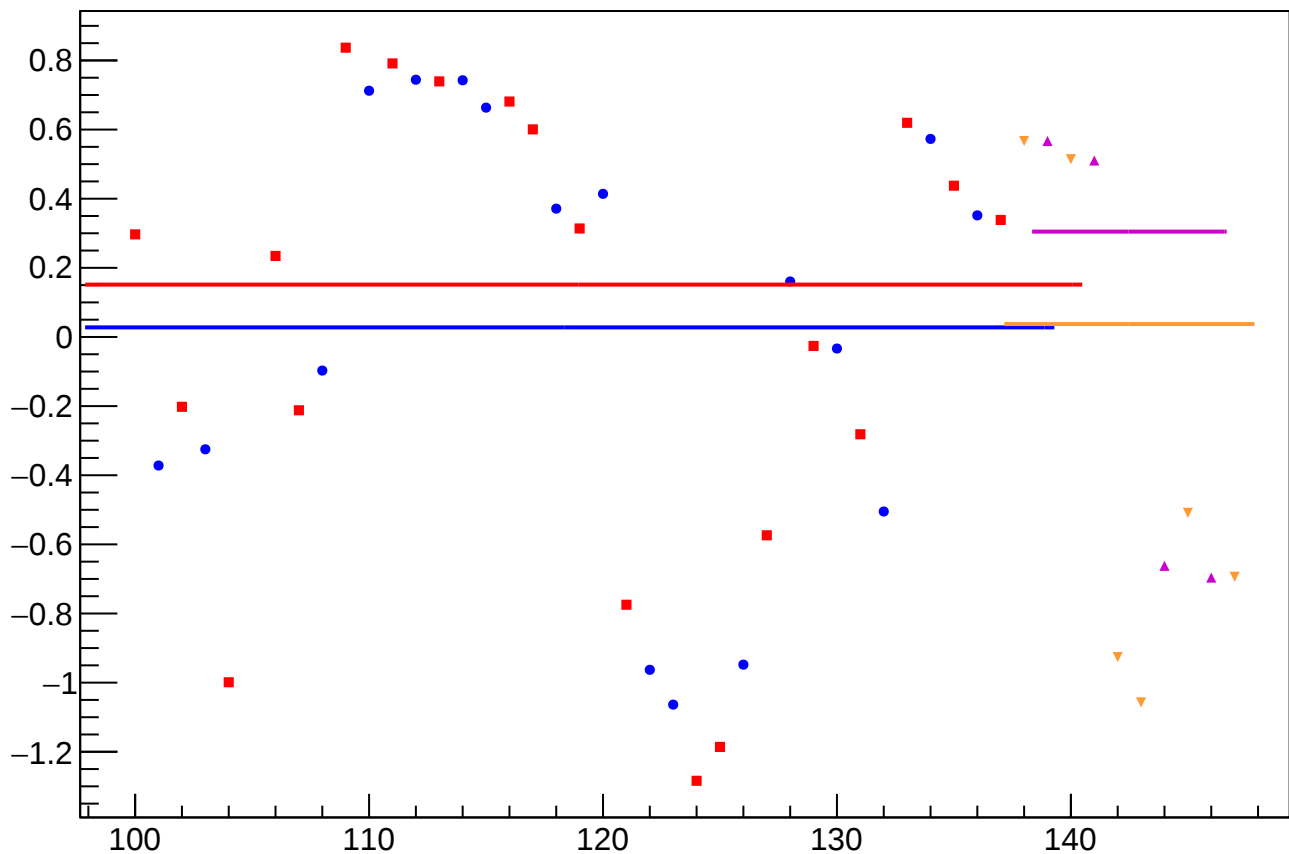
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 387740.1/3

0.013 $\pm$ 0.000 χ^2/NDF : 659605.8/22

0.013 $\pm$ 0.000 χ^2/NDF : 1635111.4/46

0.014 $\pm$ 0.000 χ^2/NDF : 947005.8/23

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.037+/-0.000 χ^2/NDF : 14980597866.8/5

Right Out: 0.152+/-0.000 χ^2/NDF : 12665480117.0/19

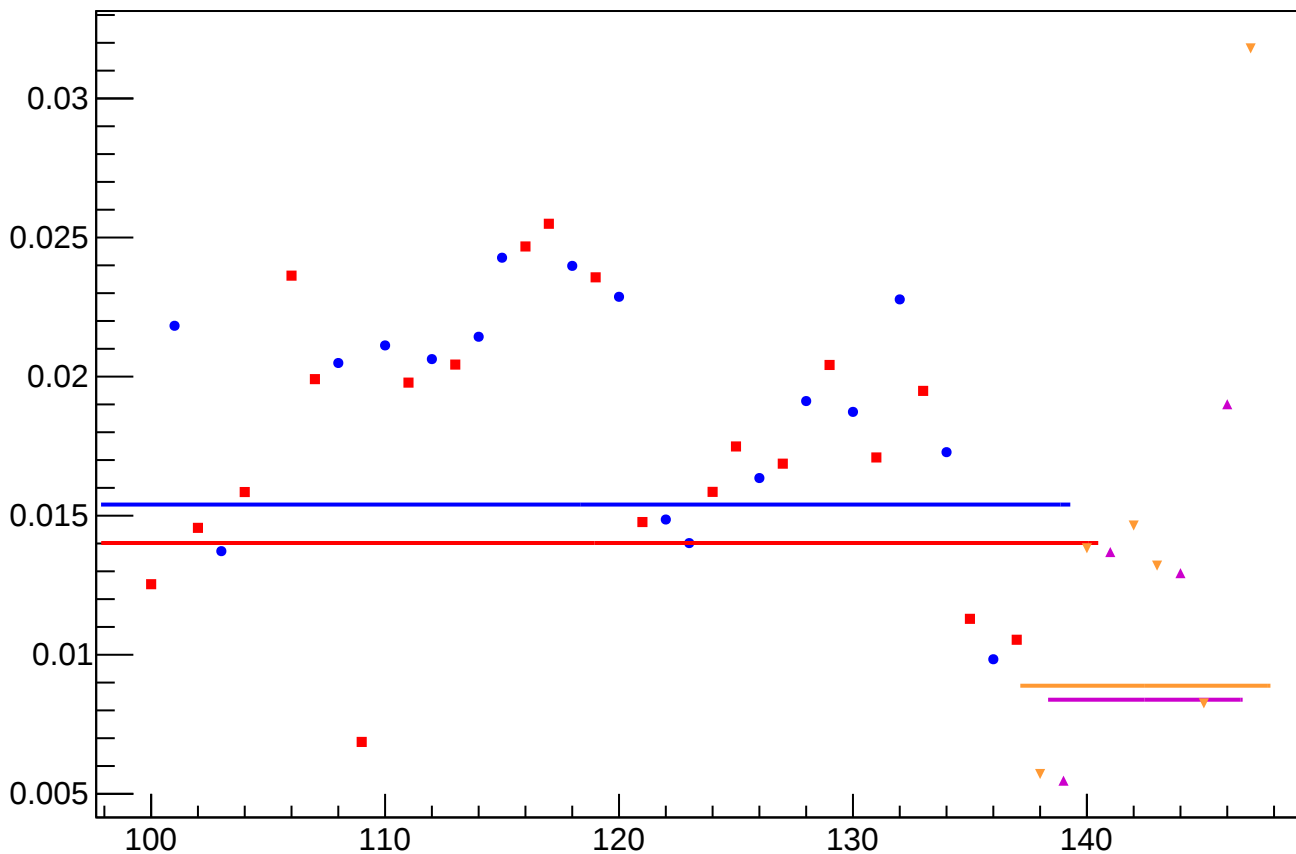
Left In: 0.305+/-0.000 χ^2/NDF : 8340096308.2/3

0.034+/-0.000 χ^2/NDF : 21258884397.8/22

0.135+/-0.000 χ^2/NDF : 43866231187.5/4

0.234+/-0.000 χ^2/NDF : 21369053119.4/23

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1598859.6/5

Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

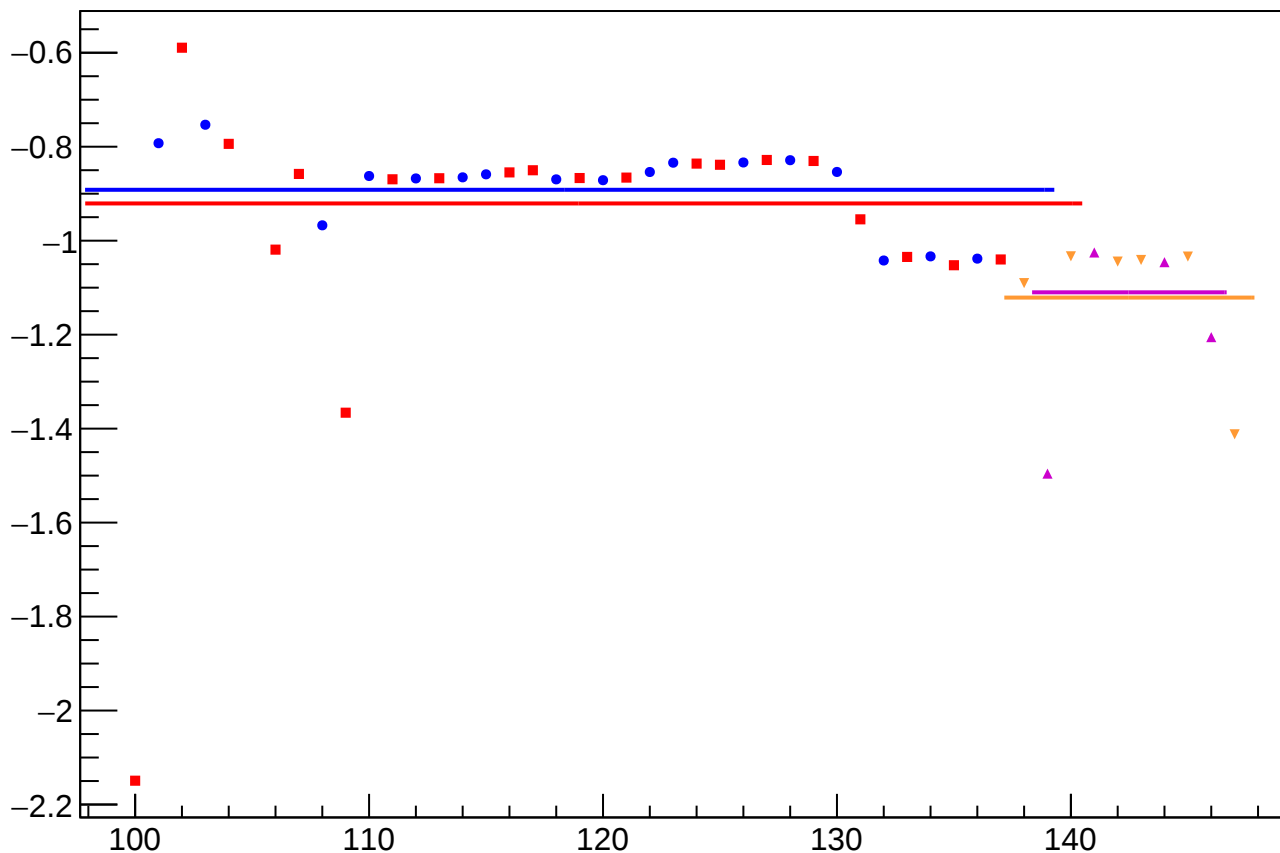
Left In: 0.008+/-0.000 χ^2/NDF : 1270125.3/3

0.011+/-0.000 χ^2/NDF : 3964306.5/22

0.011+/-0.000 χ^2/NDF : 7805536.2/46

0.011+/-0.000 χ^2/NDF : 3828855.4/23

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.121+/-0.000 χ^2/NDF : 79067316.8/5

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

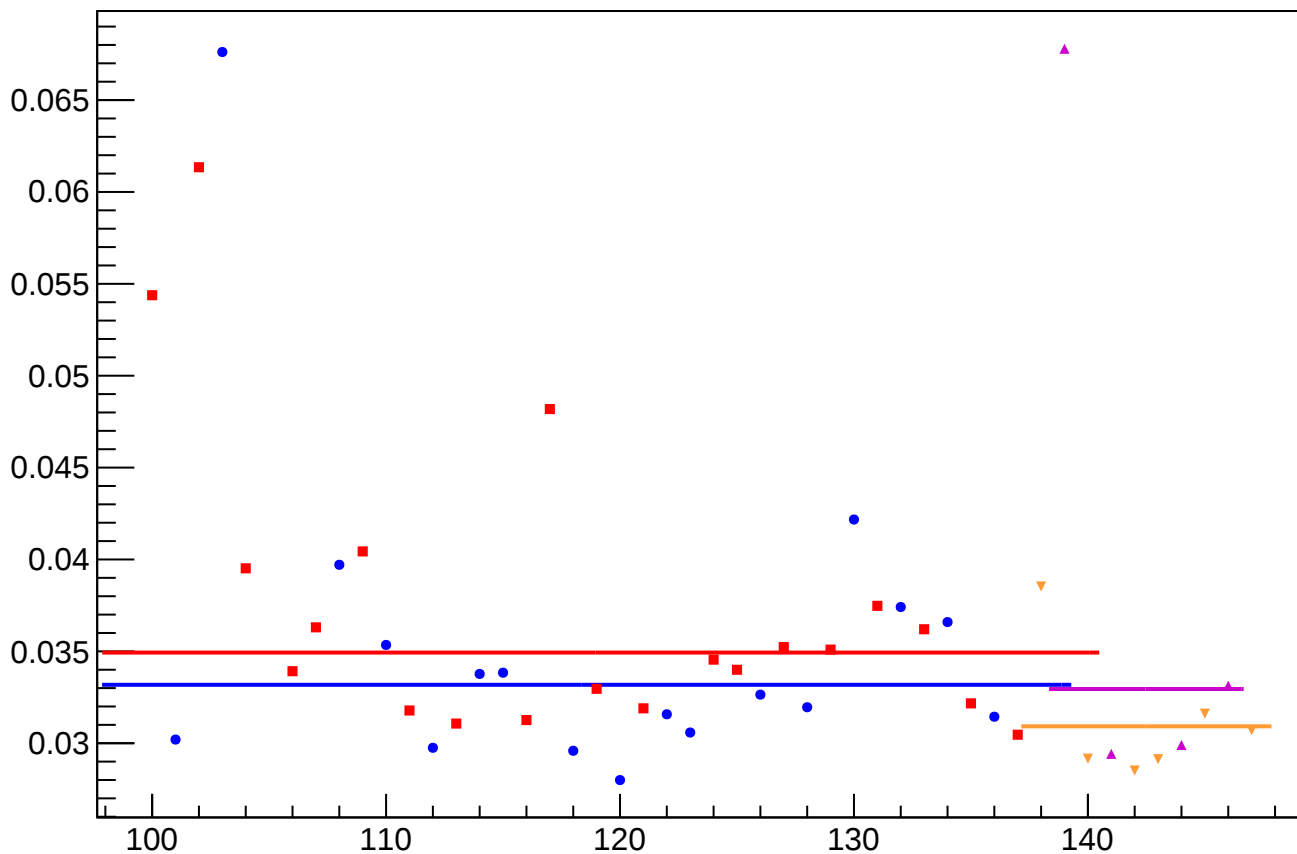
Left In: -1.110+/-0.000 χ^2/NDF : 38020199.4/3

-0.984+/-0.000 χ^2/NDF : 230094573.6/22

-0.983+/-0.000 χ^2/NDF : 458893546.4/46

-0.983+/-0.000 χ^2/NDF : 228797099.3/23

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 60285.2/5

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

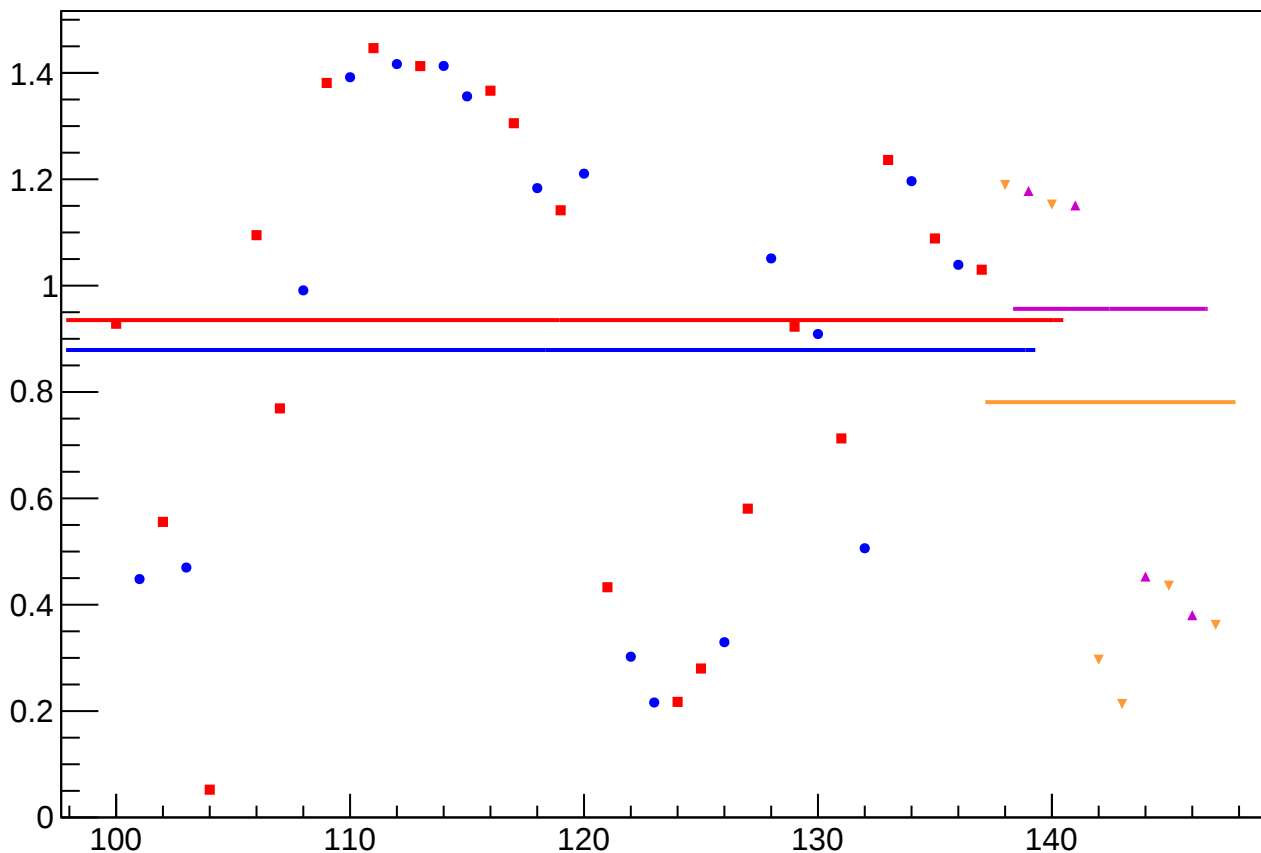
Left In: 0.033+/-0.000 χ^2/NDF : 405281.8/3

0.032+/-0.000 χ^2/NDF : 481975.6/22

0.033+/-0.000 χ^2/NDF : 1214377.1/46

0.034+/-0.000 χ^2/NDF : 699637.6/23

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.781 $\pm$ 0.000 χ^2/NDF : 10806979988.4/5

Right Out: 0.935 $\pm$ 0.000 χ^2/NDF : 9844960466.1/19

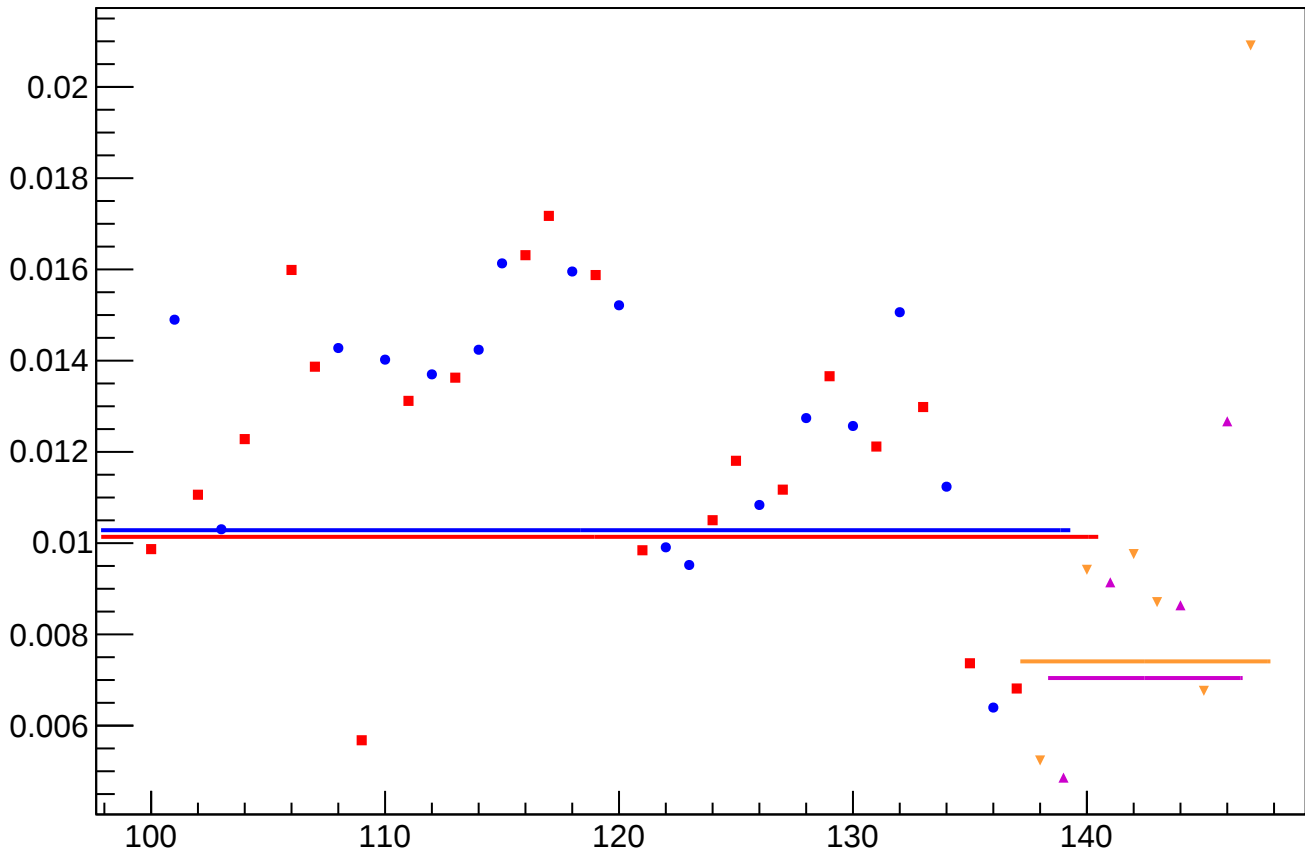
Left In: 0.956 $\pm$ 0.000 χ^2/NDF : 6074608263.6/3

0.826 $\pm$ 0.000 χ^2/NDF : 17450570837.5/22

0.885 $\pm$ 0.000 χ^2/NDF : 34181338476.7/4

0.945 $\pm$ 0.000 χ^2/NDF : 15931902000.6/23

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 1009066.6/5

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1189529.0/19

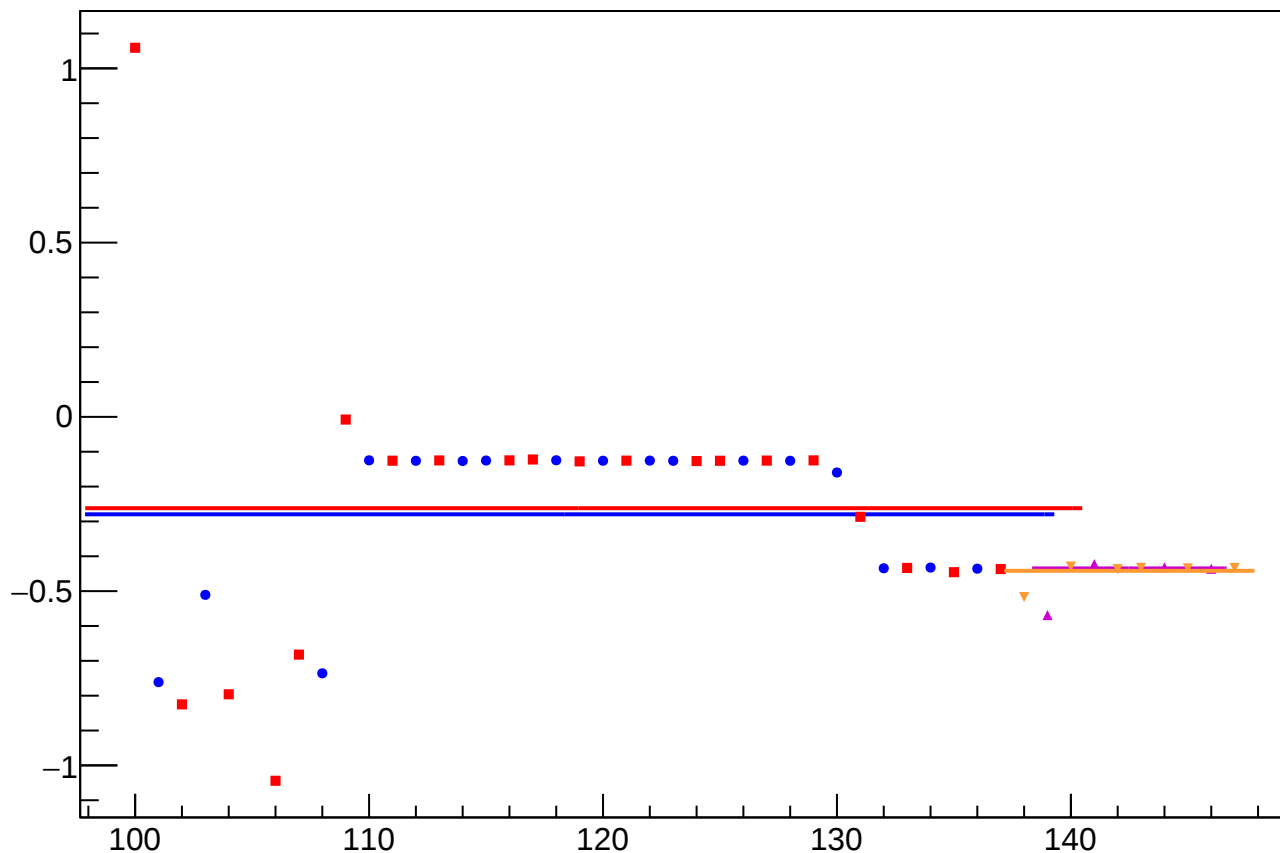
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 698216.0/3

0.009 $\pm$ 0.000 χ^2/NDF : 2684392.2/22

0.009 $\pm$ 0.000 χ^2/NDF : 5103115.8/46

0.009 $\pm$ 0.000 χ^2/NDF : 2417657.1/23

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.442 ± 0.000 χ^2/NDF : 23001879.4/5

Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

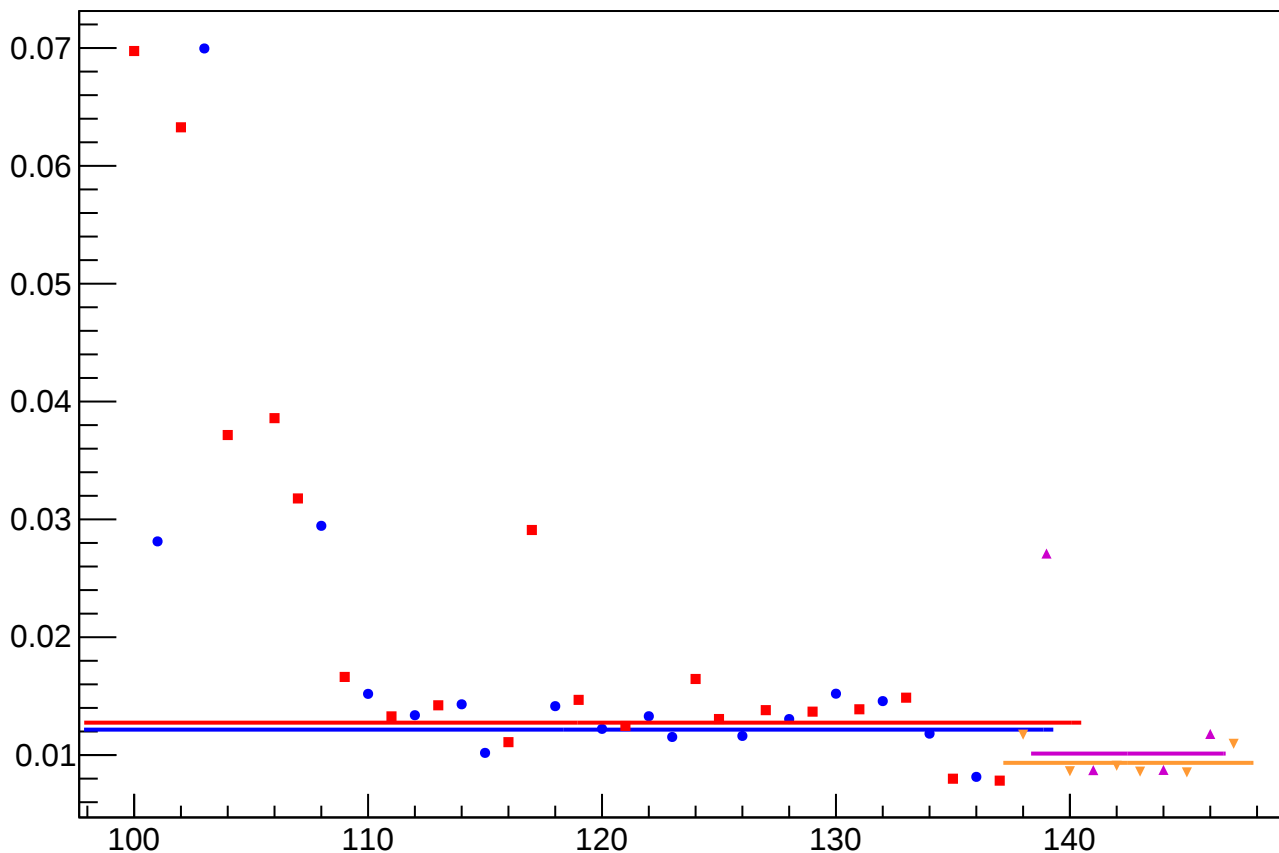
Left In: -0.435 ± 0.000 χ^2/NDF : 18721926.0/3

-0.366 ± 0.000 χ^2/NDF : 1391439515.2/22

-0.353 ± 0.000 χ^2/NDF : 2828295838.5/40

-0.337 ± 0.000 χ^2/NDF : 1412450175.9/23

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 97018.6/5

Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

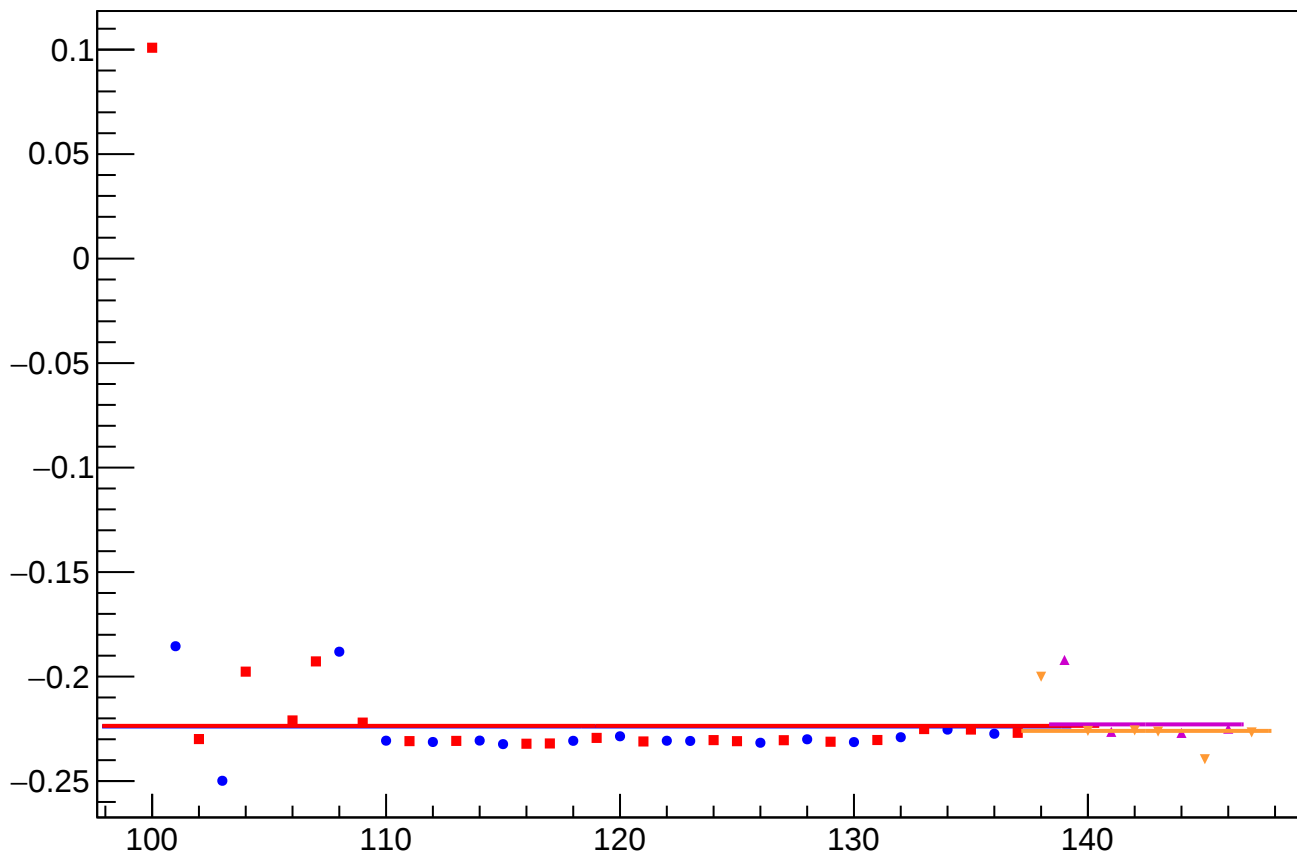
Left In: 0.010+/-0.000 χ^2/NDF : 649423.7/3

0.011+/-0.000 χ^2/NDF : 2085142.8/22

0.011+/-0.000 χ^2/NDF : 4958270.2/46

0.012+/-0.000 χ^2/NDF : 2819645.7/23

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20477289.5/5

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

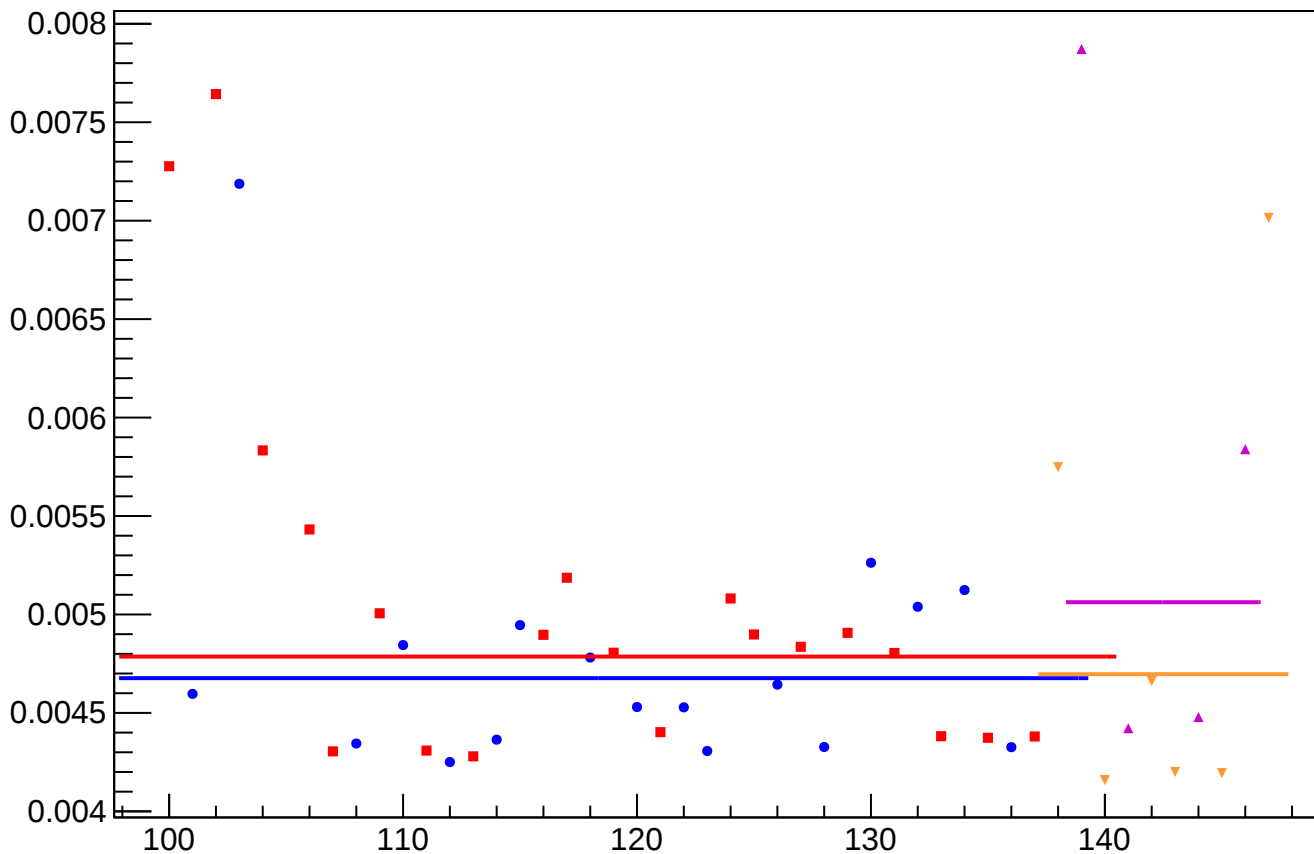
Left In: -0.223+/-0.000 χ^2/NDF : 11778285.8/3

-0.225+/-0.000 χ^2/NDF : 95534601.8/22

-0.224+/-0.000 χ^2/NDF : 275923231.3/46

-0.223+/-0.000 χ^2/NDF : 180047054.4/23

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF : 271356.5/5

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 248745.3/19

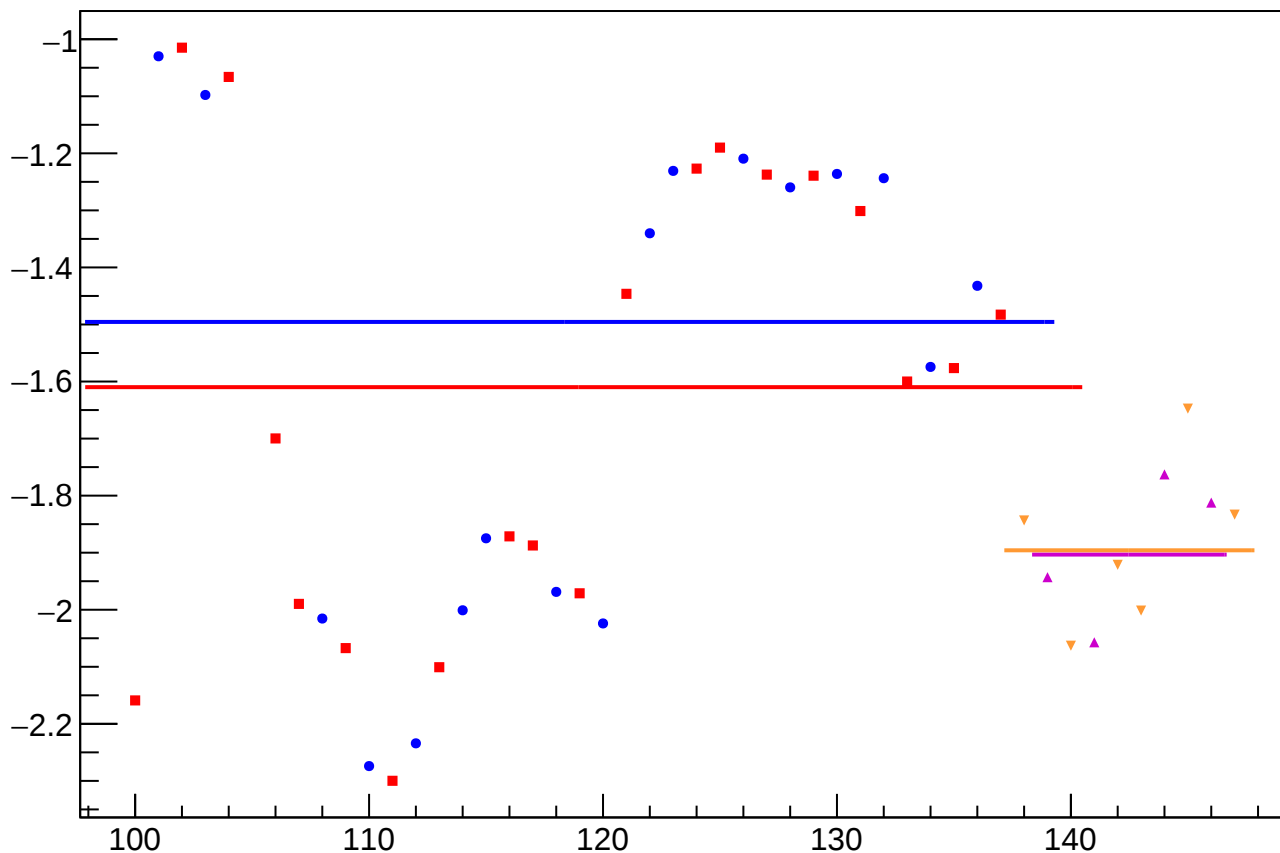
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 259193.4/3

0.005 $\pm$ 0.000 χ^2/NDF : 452221.9/22

0.005 $\pm$ 0.000 χ^2/NDF : 985617.8/46

0.005 $\pm$ 0.000 χ^2/NDF : 520014.0/23

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.896+/-0.000 χ^2/NDF : 2387029126.4/5

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

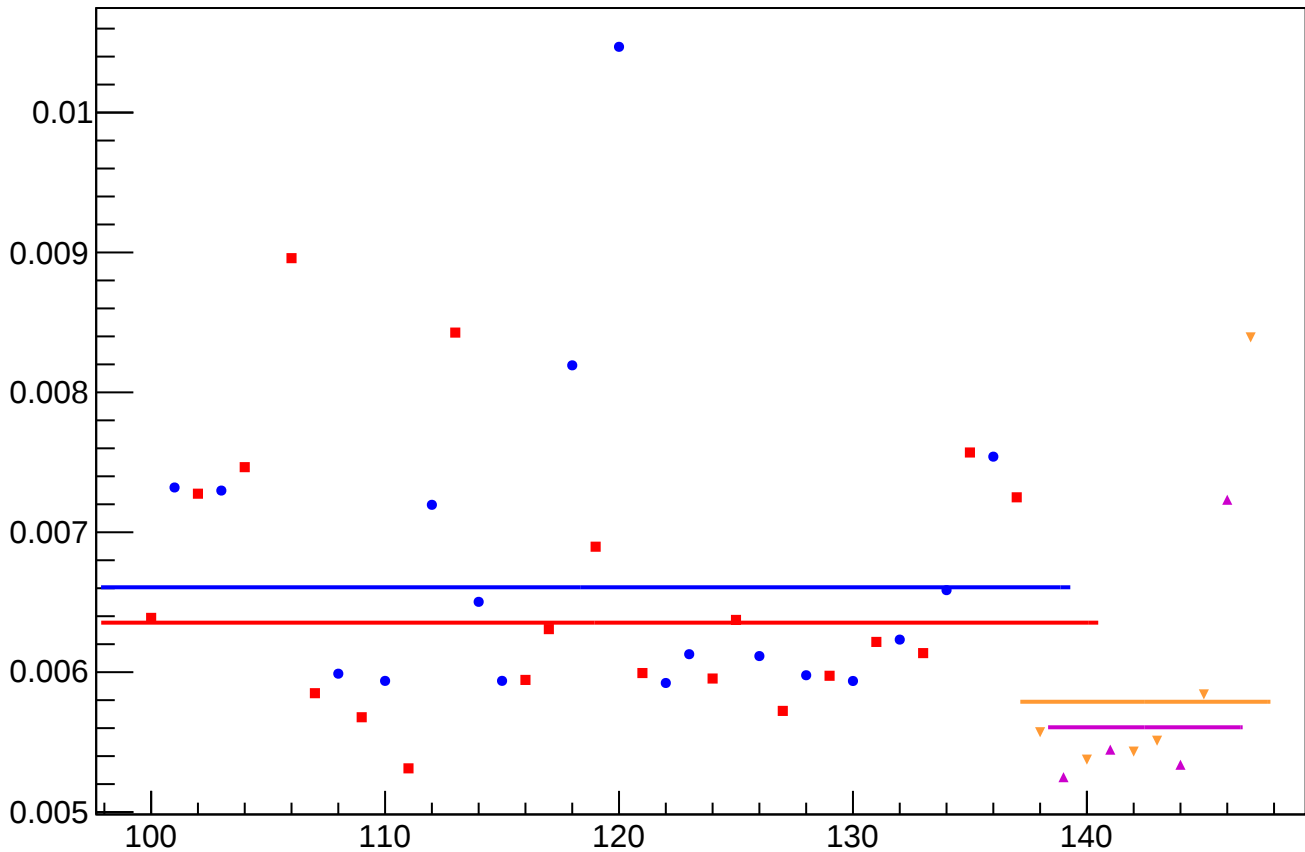
Left In: -1.903+/-0.000 χ^2/NDF : 1379998188.4/3

-1.677+/-0.000 χ^2/NDF : 34997640665.3/22

-1.698+/-0.000 χ^2/NDF : 69729664166.3/22

-1.718+/-0.000 χ^2/NDF : 34520498677.2/23

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :152543.9/5

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

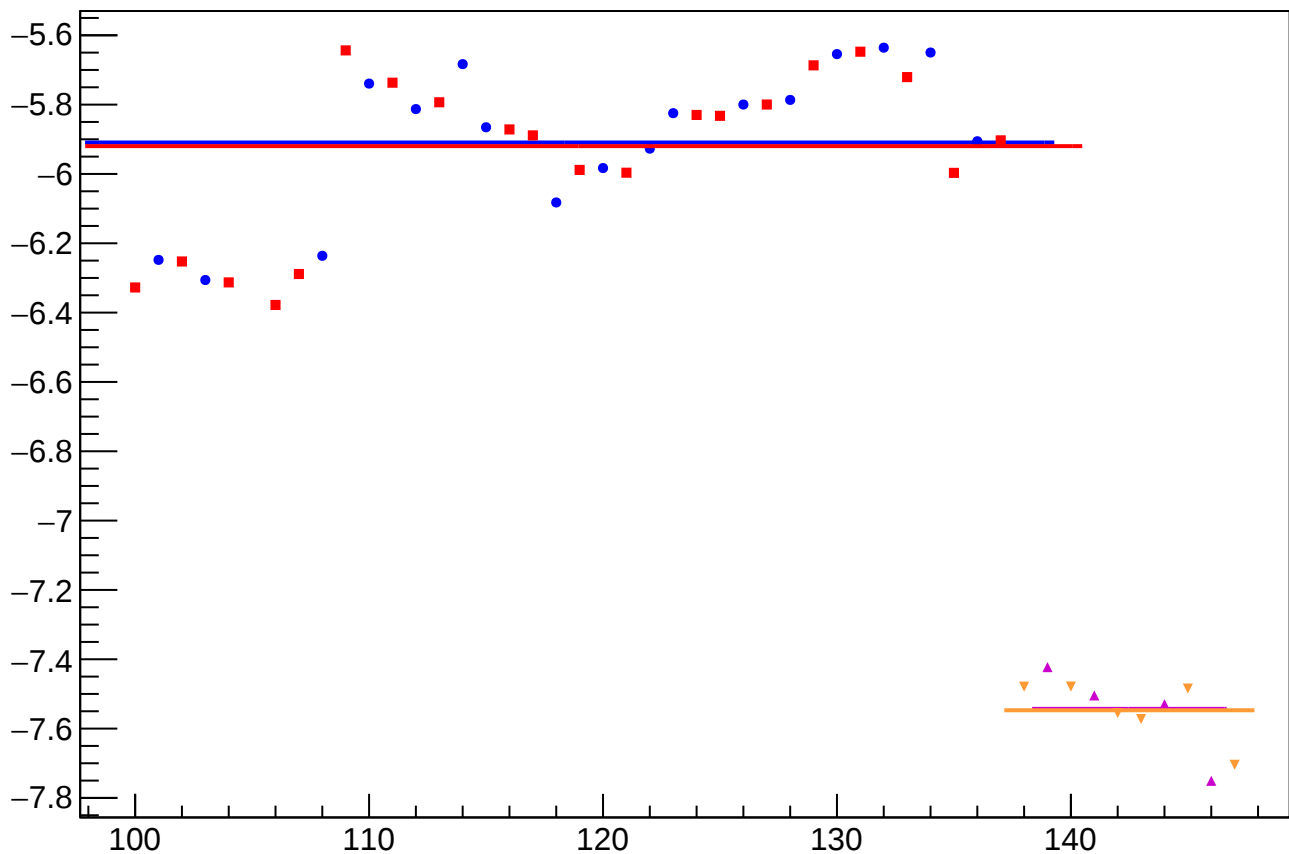
Left In: 0.006+/-0.000 χ^2/NDF :81669.5/3

0.006+/-0.000 χ^2/NDF : 438295.7/22

0.006+/-0.000 χ^2/NDF : 821170.1/46

0.006+/-0.000 χ^2/NDF : 376568.3/23

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.547+/-0.000 χ^2/NDF : 351702740.6/5

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

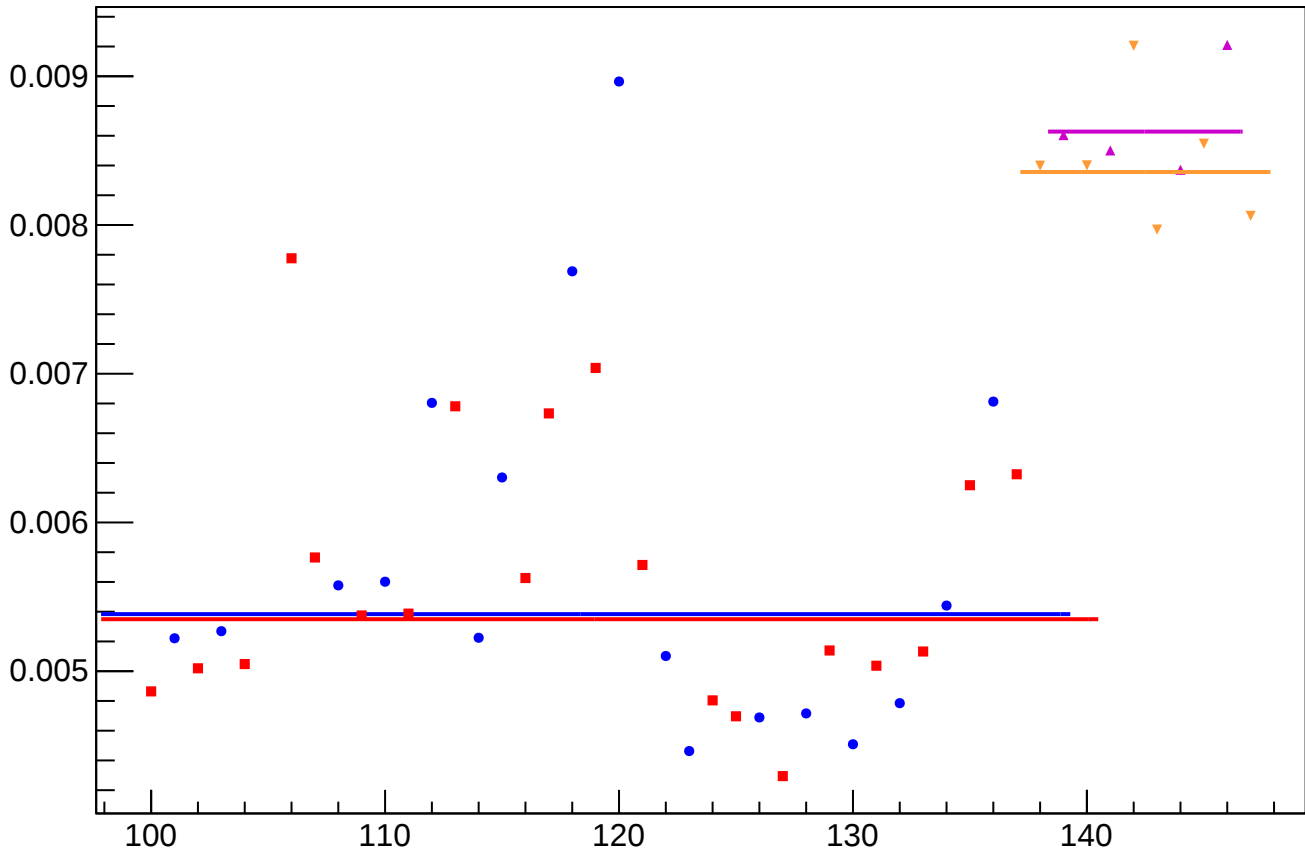
Left In: -7.543+/-0.000 χ^2/NDF : 448798857.1/3

-6.226+/-0.000 χ^2/NDF : 116253839274.2/22

-6.186+/-0.000 χ^2/NDF : 212799372459.3

-6.147+/-0.000 χ^2/NDF : 95755747688.9/23

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :11248.0/5

Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

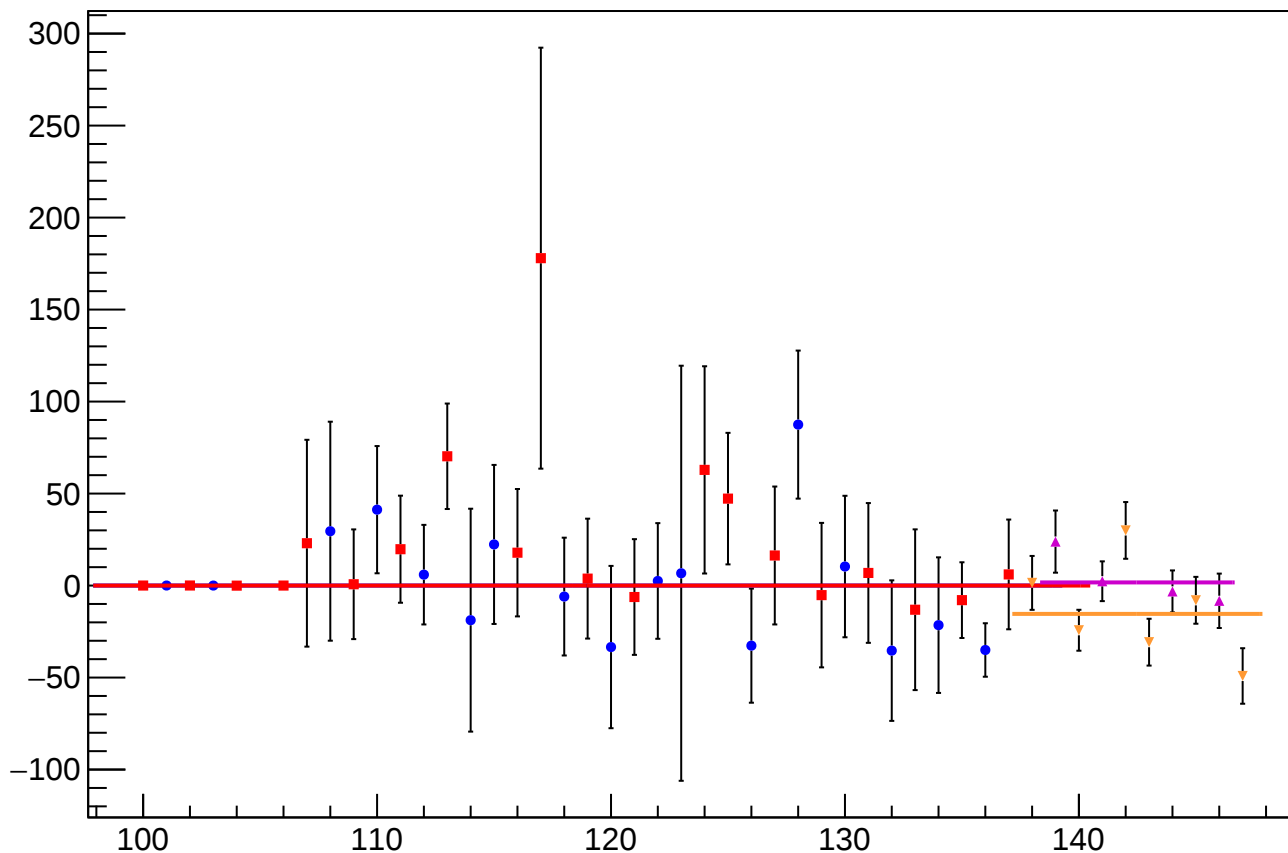
Left In: 0.009+/-0.000 χ^2/NDF :6719.2/3

0.006+/-0.000 χ^2/NDF : 1049115.2/22

0.006+/-0.000 χ^2/NDF : 1982685.4/46

0.006+/-0.000 χ^2/NDF : 927866.6/23

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2/NDF : 15.8/16

Left Out: -15.397 $\pm$ 5.448 χ^2/NDF : 17.4/5

Right Out: -0.003 $\pm$ 0.016 χ^2/NDF : 17.7/19

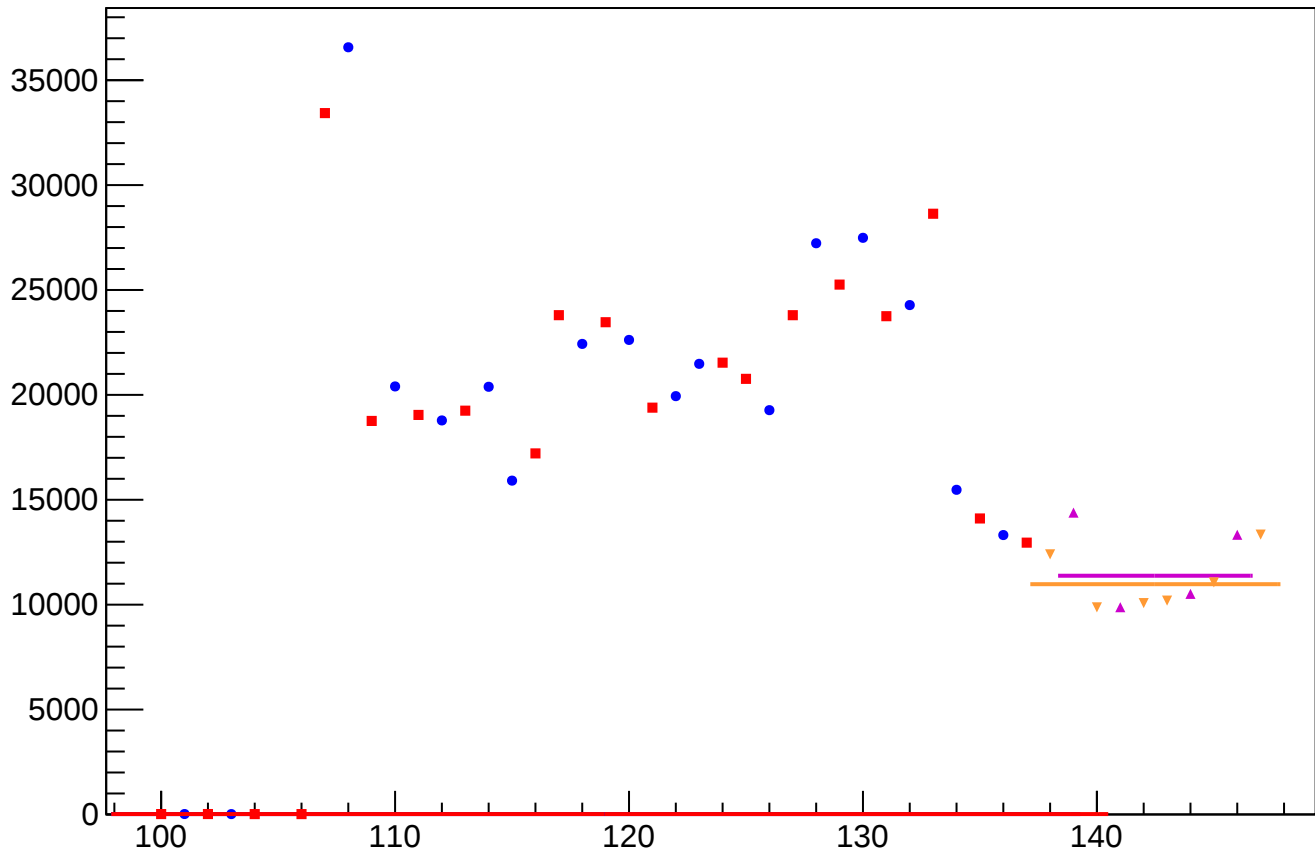
Left In: 1.706 $\pm$ 6.411 χ^2/NDF : 2.4/3

0.013 $\pm$ 0.017 χ^2/NDF : 41.2/22

0.004 $\pm$ 0.012 χ^2/NDF : 61.8/46

-0.003 $\pm$ 0.016 χ^2/NDF : 20.2/23

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2 /NDF: 10841561.4/16

Left Out: 10976.054+/-3.852 χ^2 /NDF:102191.6/5

Right Out: 18.312+/-0.011 χ^2 /NDF: 11189737.0/19

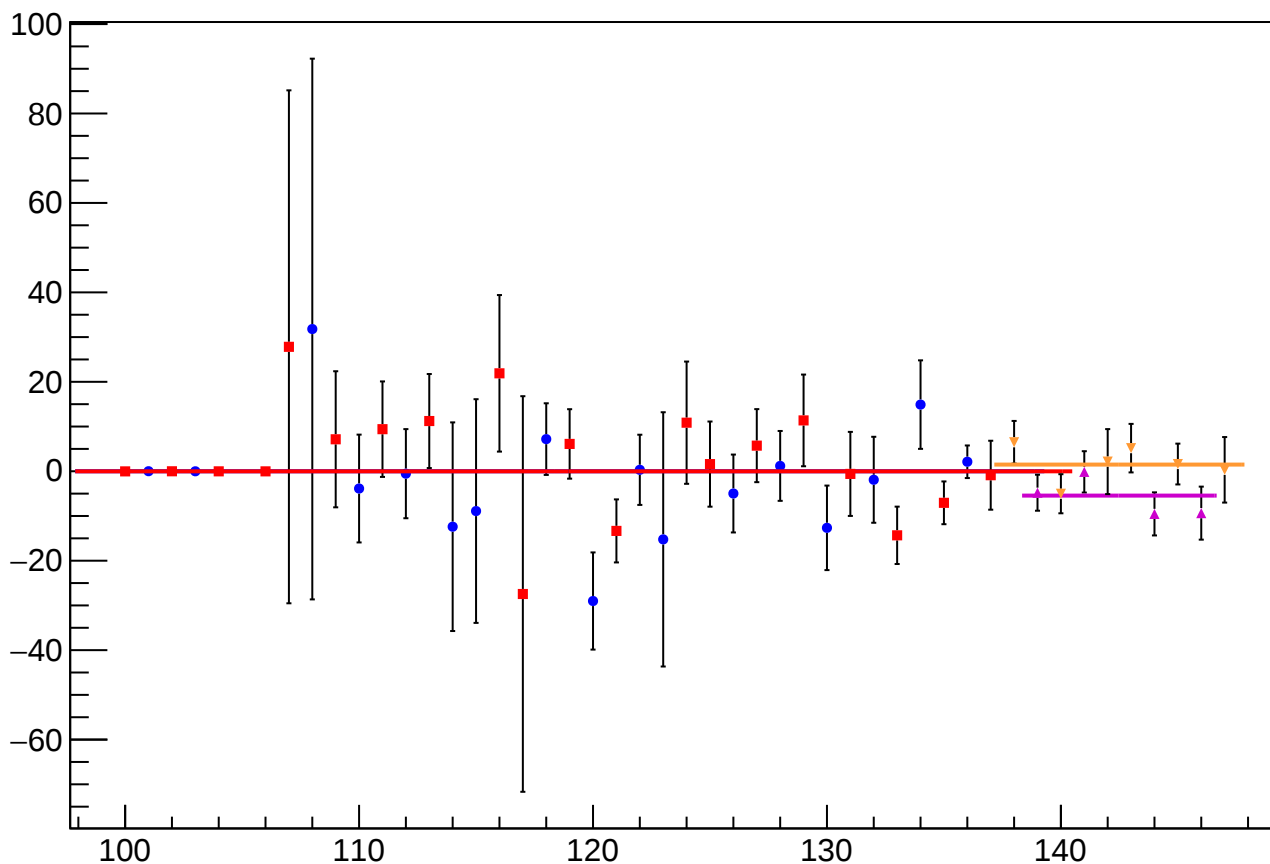
Left In: 11379.134+/-4.533 χ^2 /NDF:148337.5/3

18.752+/-0.012 χ^2 /NDF: 19033394.8/22

18.554+/-0.008 χ^2 /NDF: 36652788.0/46

18.383+/-0.011 χ^2 /NDF: 17618907.1/23

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2/NDF : 14.9/16

Left Out: 1.493 $\pm$ 2.152 χ^2/NDF : 3.8/5

Right Out: -0.014 $\pm$ 0.009 χ^2/NDF : 18.8/19

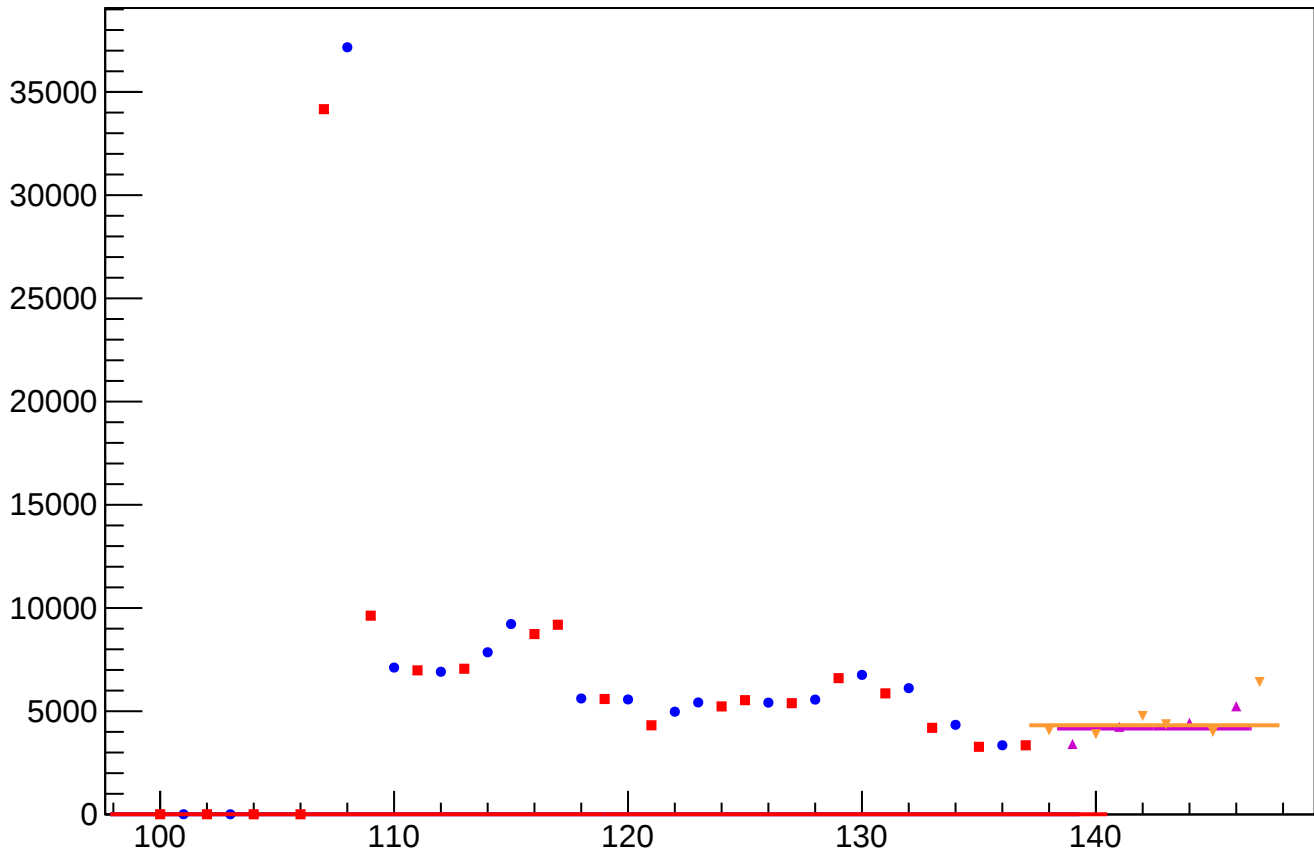
Left In: -5.442 $\pm$ 2.357 χ^2/NDF : 2.5/3

0.001 $\pm$ 0.009 χ^2/NDF : 19.2/22

-0.007 $\pm$ 0.006 χ^2/NDF : 47.2/46

-0.014 $\pm$ 0.009 χ^2/NDF : 26.6/23

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4319.483+/-1.522 χ^2/NDF :206065.7/5

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

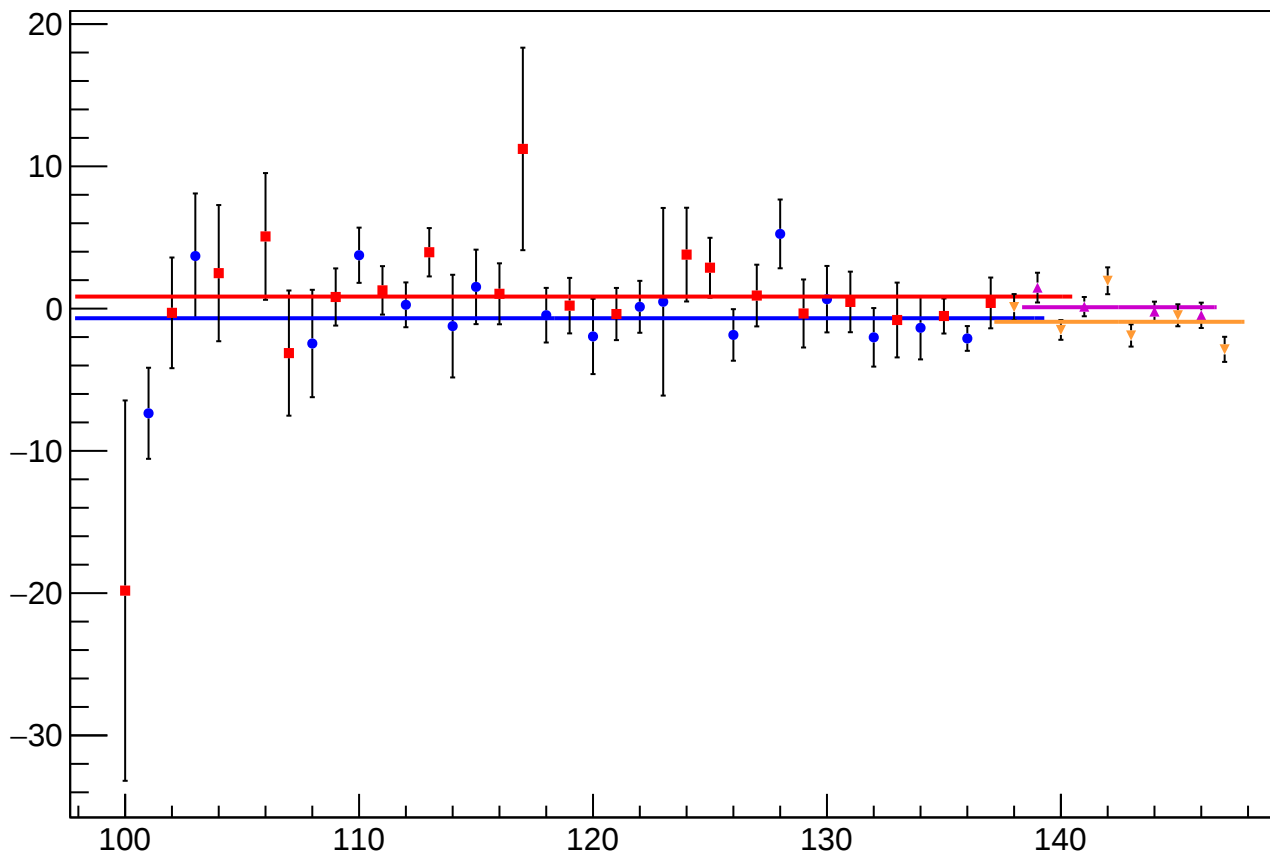
Left In: 4164.361+/-1.666 χ^2/NDF :142170.5/3

10.017+/-0.007 χ^2/NDF : 19200415.8/22

9.960+/-0.004 χ^2/NDF : 36797778.9/46

9.911+/-0.006 χ^2/NDF : 17597221.7/23

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.926 ± 0.334 χ^2/NDF : 18.0/5

Right Out: 0.846 ± 0.500 χ^2/NDF : 14.1/19

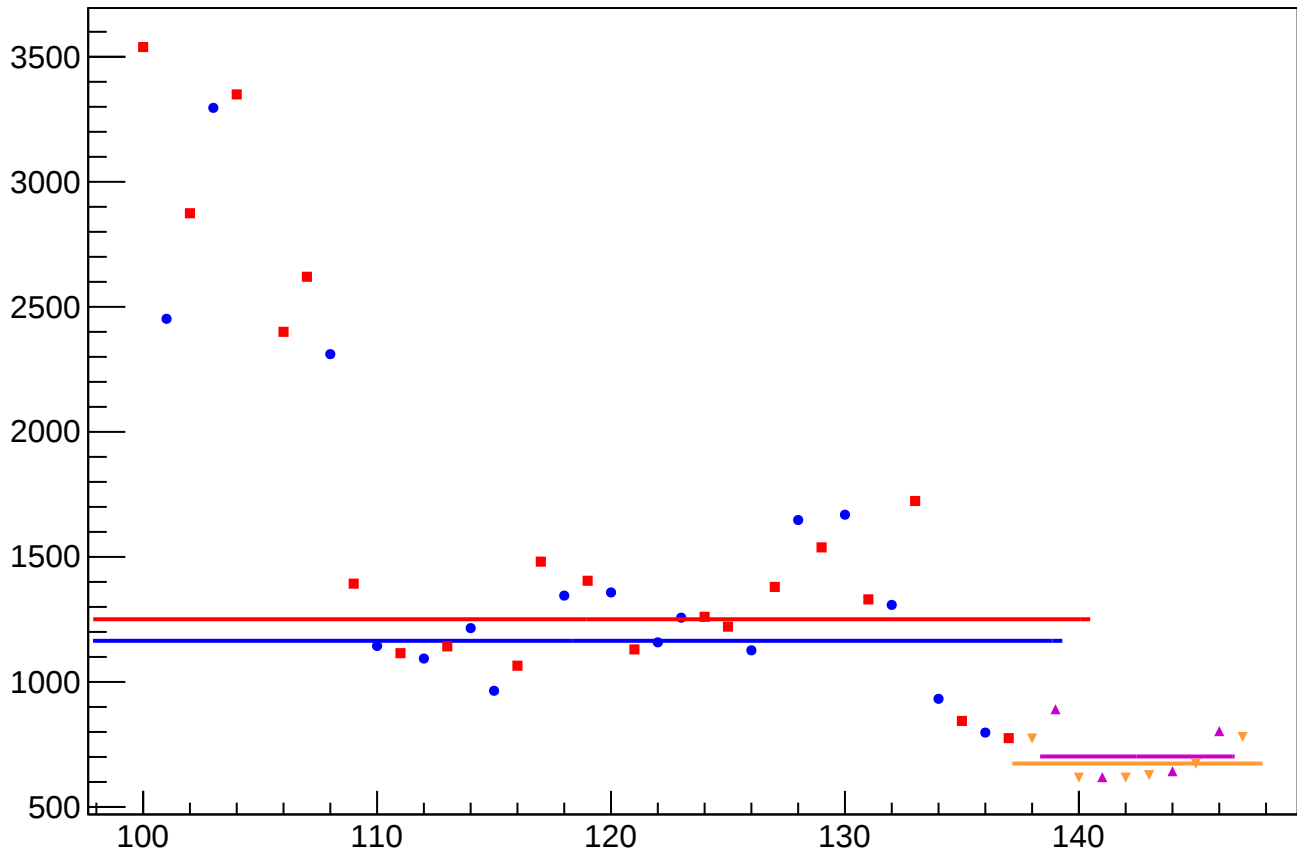
Left In: 0.098 ± 0.395 χ^2/NDF : 2.3/3

-0.846 ± 0.275 χ^2/NDF : 40.4/22

-0.304 ± 0.206 χ^2/NDF : 67.1/46

0.385 ± 0.310 χ^2/NDF : 17.8/23

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 673.716 $\pm$ 0.236 χ^2 /NDF: 80512.6/5

Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

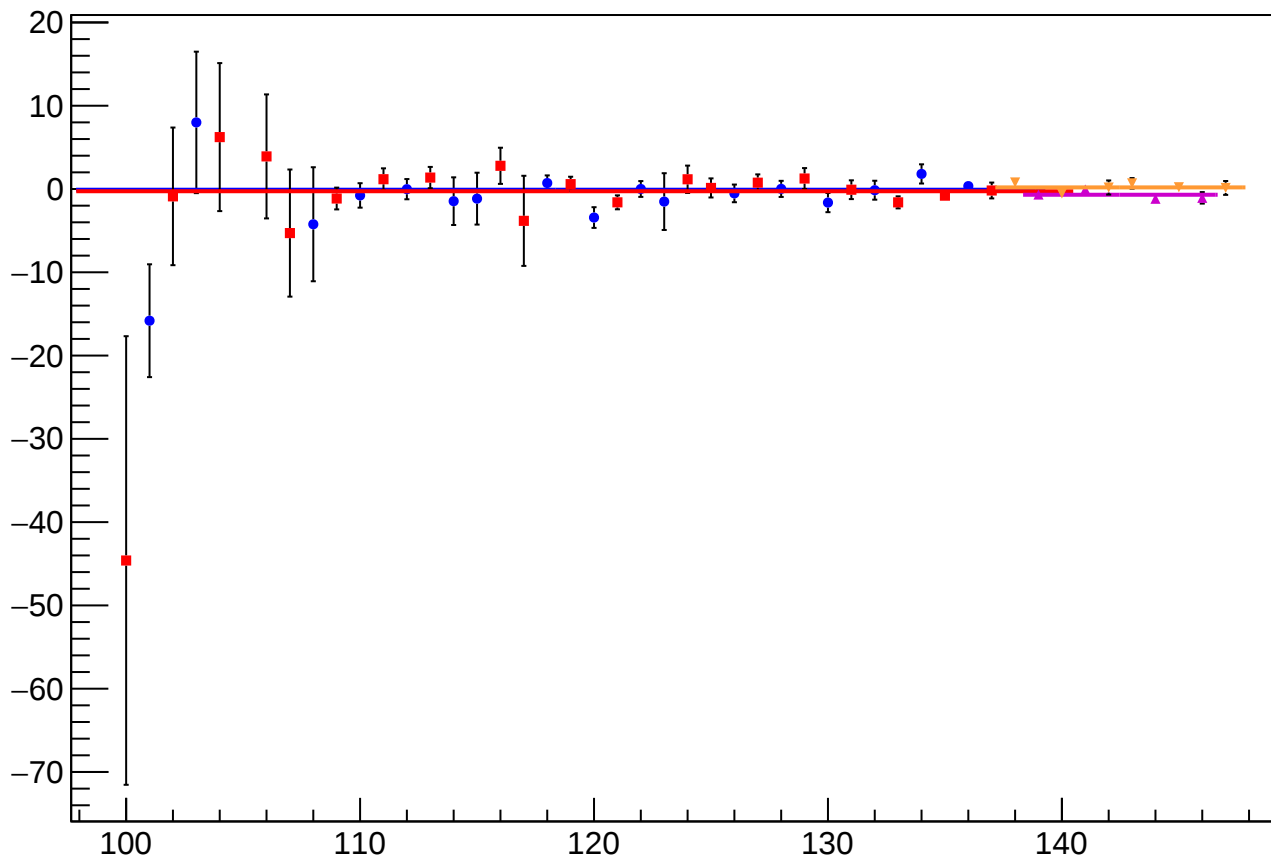
Left In: 701.842 $\pm$ 0.279 χ^2 /NDF: 135158.8/3

831.767 $\pm$ 0.194 χ^2 /NDF: 3057848.3/22

867.361 $\pm$ 0.145 χ^2 /NDF: 6405851.0/46

912.640 $\pm$ 0.219 χ^2 /NDF: 3271738.1/23

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.193 ± 0.253 χ^2/NDF : 3.7/5

Right Out: -0.268 ± 0.264 χ^2/NDF : 20.9/19

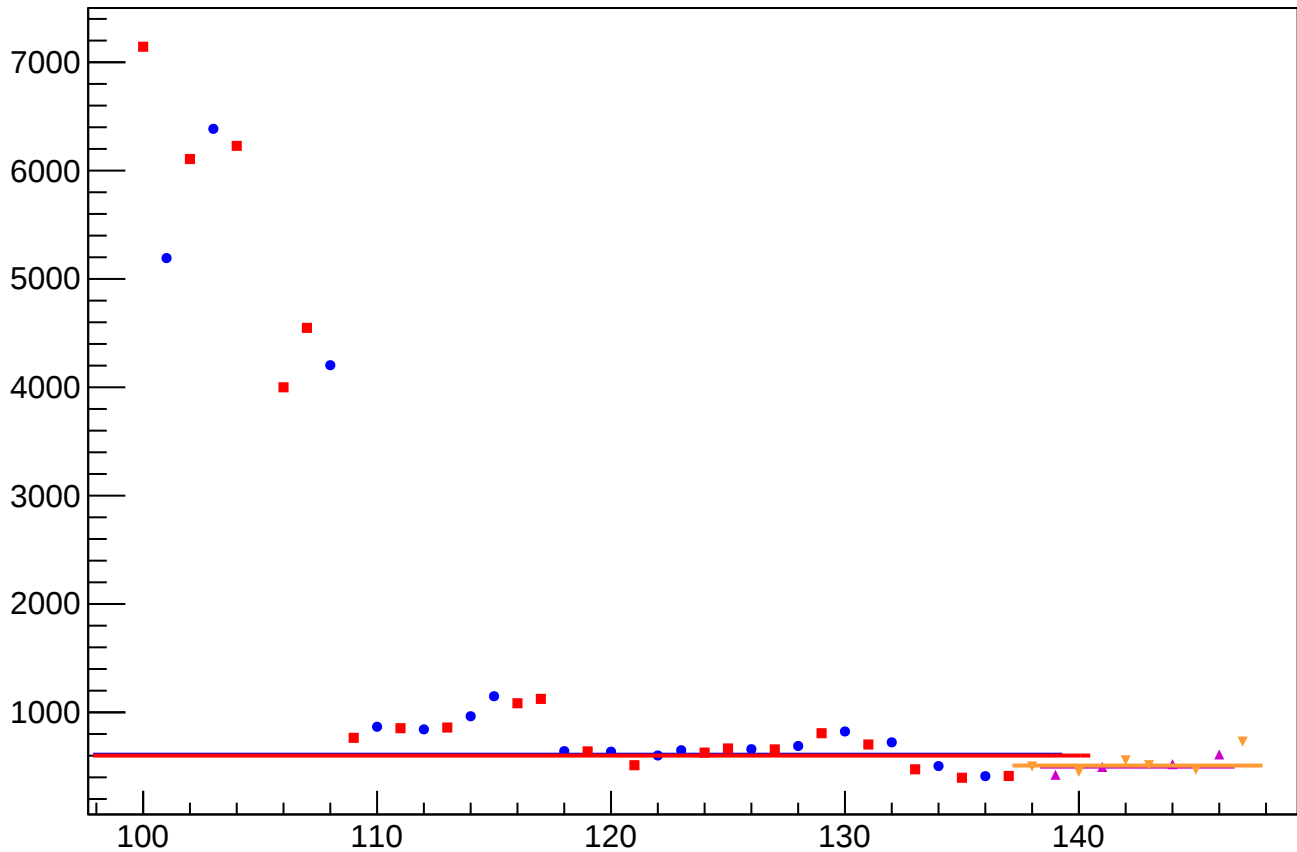
Left In: -0.691 ± 0.281 χ^2/NDF : 2.4/3

0.063 ± 0.185 χ^2/NDF : 25.4/22

-0.191 ± 0.133 χ^2/NDF : 53.7/46

-0.466 ± 0.192 χ^2/NDF : 24.5/23

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 509.142 $\pm$ 0.179 χ^2 /NDF: 184903.8/5

Right Out: 601.159 $\pm$ 0.187 χ^2 /NDF: 3566339.5/19

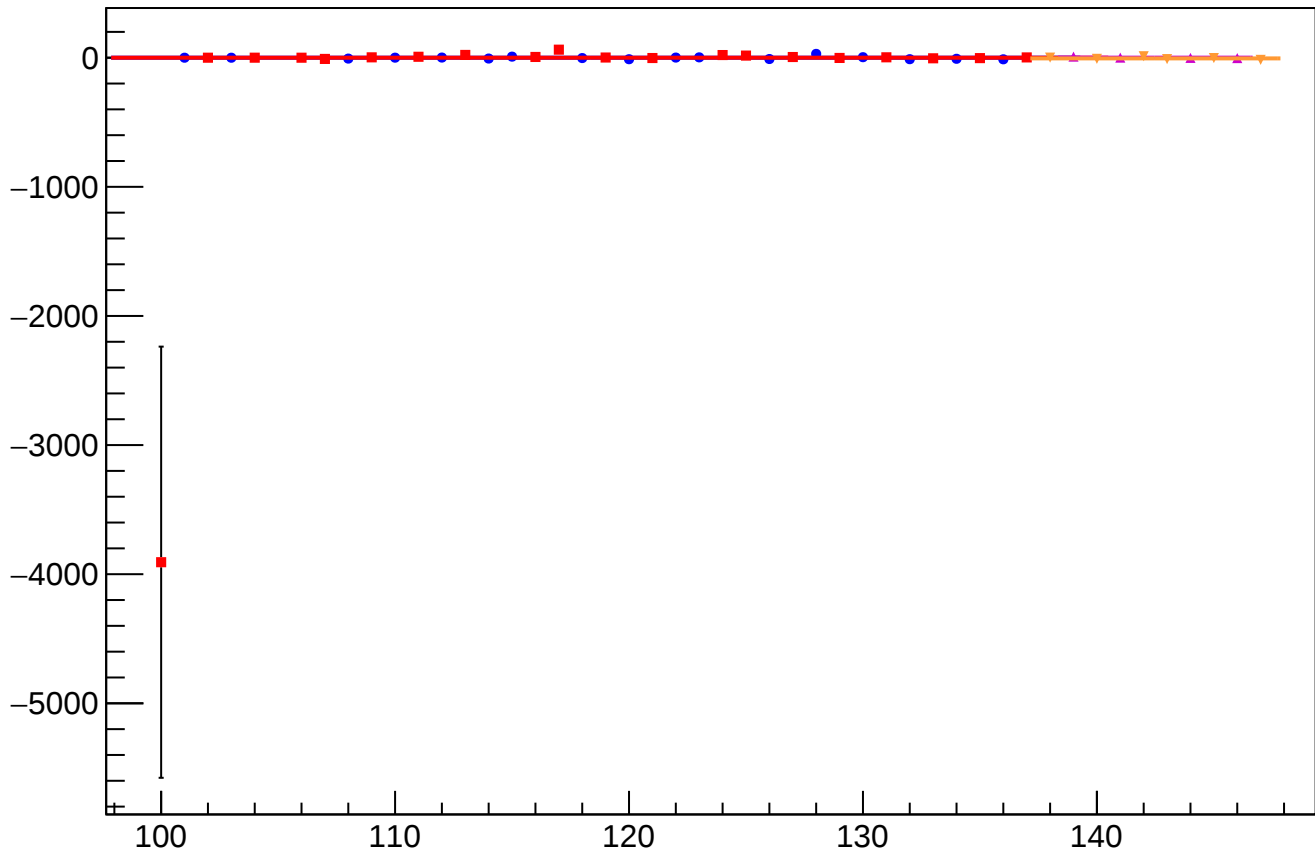
Left In: 498.701 $\pm$ 0.199 χ^2 /NDF: 101648.6/3

555.839 $\pm$ 0.131 χ^2 /NDF: 3469674.8/22

554.553 $\pm$ 0.094 χ^2 /NDF: 7278971.6/46

553.158 $\pm$ 0.136 χ^2 /NDF: 3809094.7/23

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2 /NDF: 15.3/16

Left Out: -5.319+/-1.930 χ^2 /NDF: 18.0/5

Right Out: 0.027+/-0.020 χ^2 /NDF: 19.8/19

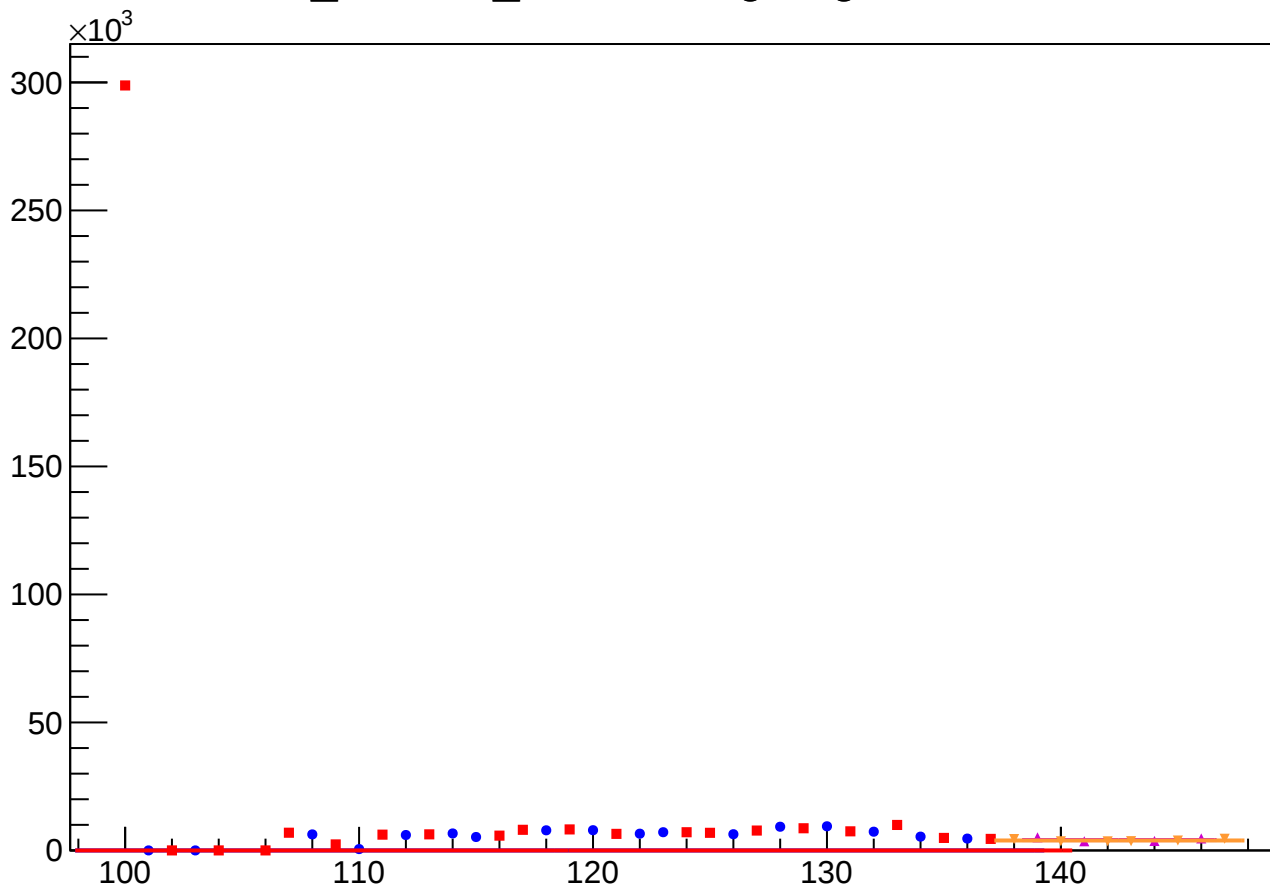
Left In: 0.524+/-2.287 χ^2 /NDF: 2.4/3

-0.022+/-0.021 χ^2 /NDF: 40.9/22

0.004+/-0.014 χ^2 /NDF: 66.0/46

0.027+/-0.020 χ^2 /NDF: 22.3/23

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 3894.755 $\pm$ 1.365 χ^2 /NDF: 83944.6/5

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

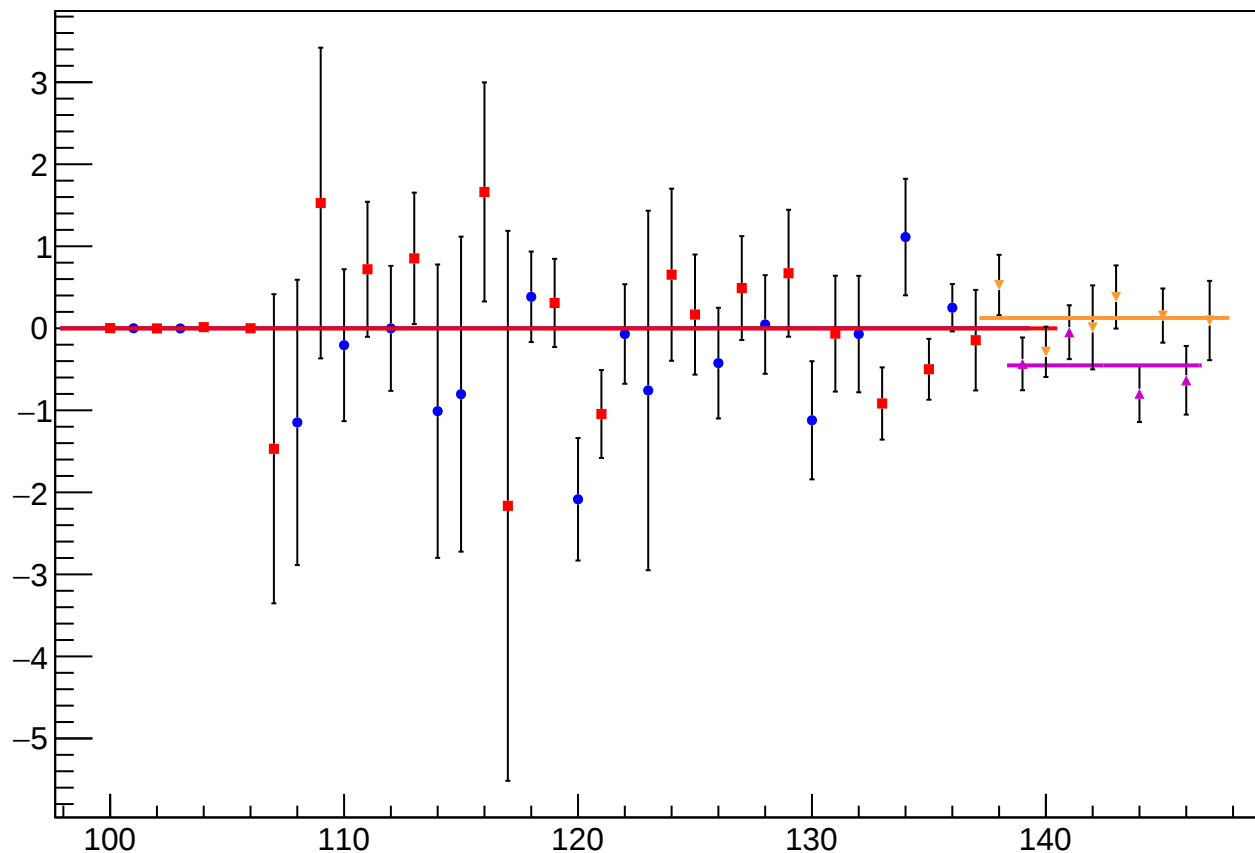
Left In: 4064.737 $\pm$ 1.617 χ^2 /NDF: 136885.1/3

17.787 $\pm$ 0.015 χ^2 /NDF: 18514338.8/22

17.675 $\pm$ 0.010 χ^2 /NDF: 35814028.1/46

17.573 $\pm$ 0.014 χ^2 /NDF: 17299578.1/23

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.126 ± 0.154 χ^2/NDF : 3.5/5

Right Out: -0.001 ± 0.002 χ^2/NDF : 18.2/19

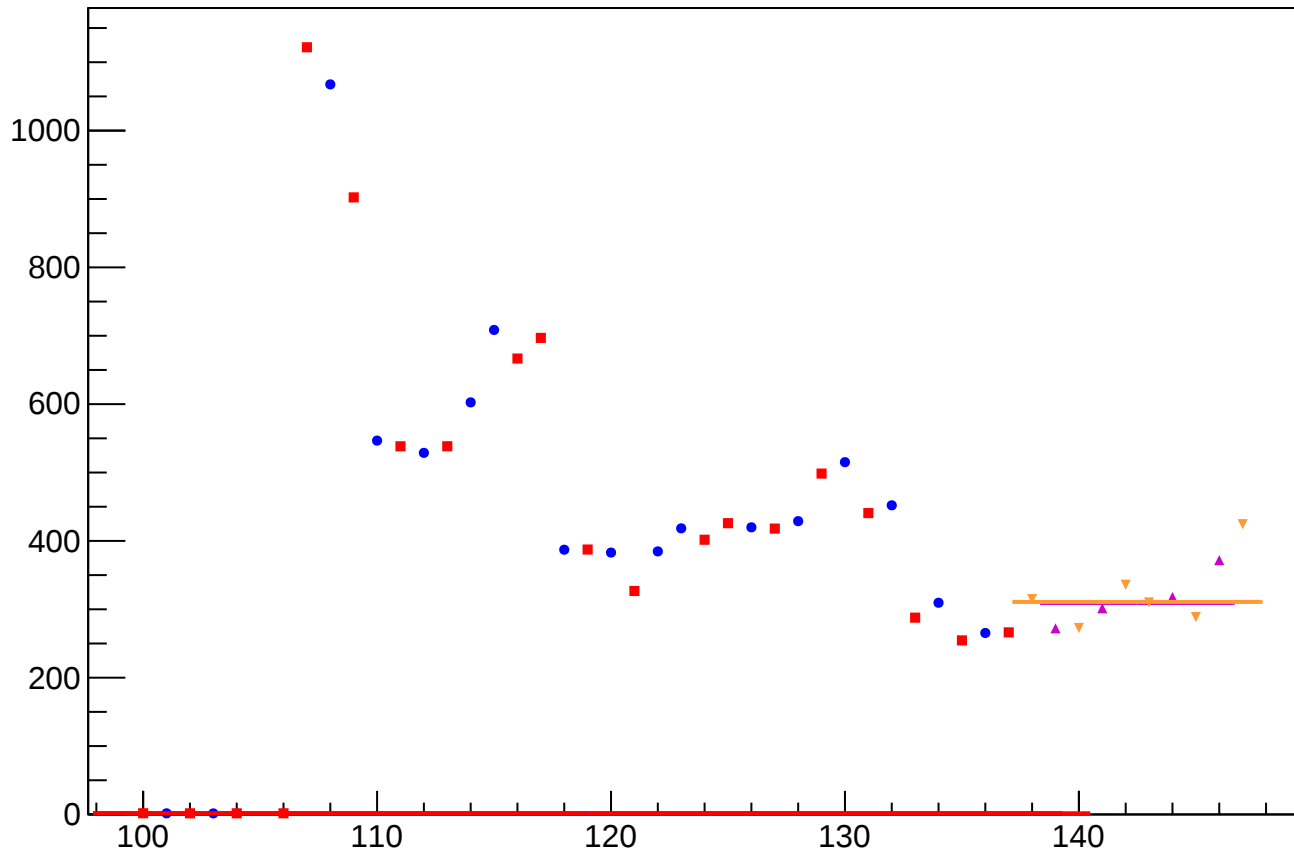
Left In: -0.452 ± 0.174 χ^2/NDF : 2.7/3

0.000 ± 0.002 χ^2/NDF : 19.8/22

-0.000 ± 0.001 χ^2/NDF : 47.6/46

-0.001 ± 0.002 χ^2/NDF : 27.7/23

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 ± 0.001 χ^2/NDF : 10911617.0/16

Left Out: 310.808 ± 0.109 χ^2/NDF : 155405.1/5

Right Out: 1.729 ± 0.001 χ^2/NDF : 10822679.1/19

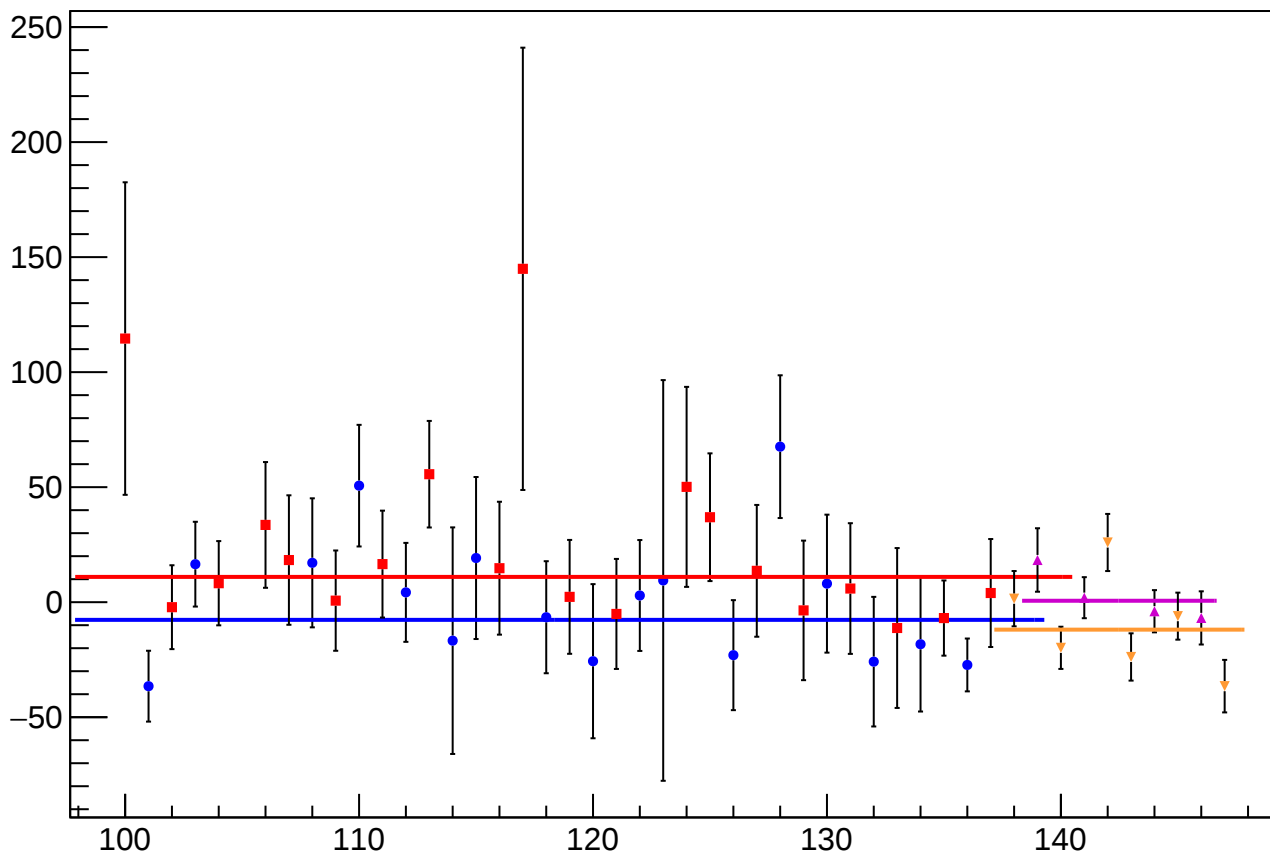
Left In: 309.271 ± 0.123 χ^2/NDF : 73862.1/3

1.752 ± 0.001 χ^2/NDF : 19098625.3/22

1.760 ± 0.001 χ^2/NDF : 36249116.0/46

1.767 ± 0.001 χ^2/NDF : 17150433.1/23

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -11.935 ± 4.385 χ^2/NDF : 17.6/5

Right Out: 10.992 ± 5.672 χ^2/NDF : 13.8/19

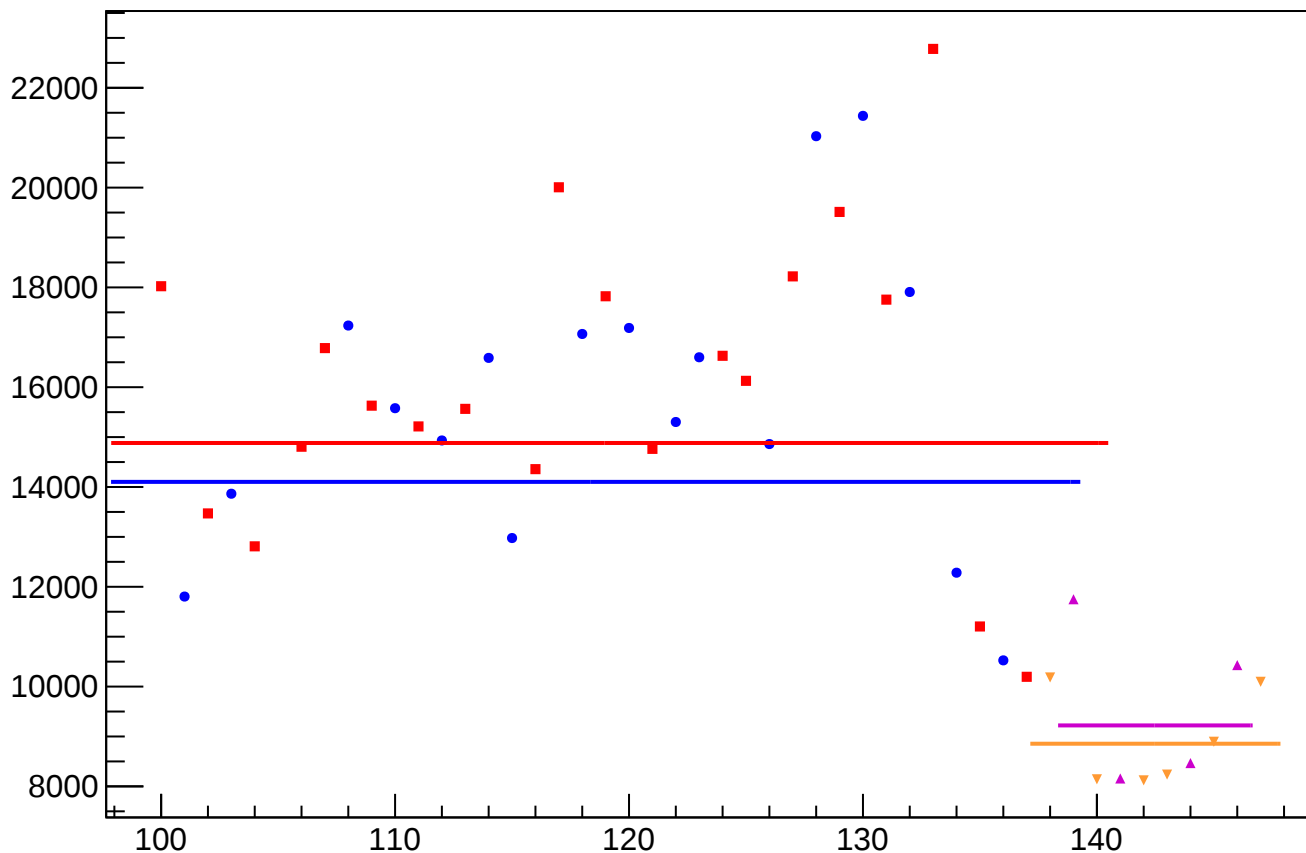
Left In: 0.620 ± 5.186 χ^2/NDF : 2.3/3

-10.329 ± 3.459 χ^2/NDF : 40.3/22

-3.285 ± 2.566 χ^2/NDF : 67.5/46

5.343 ± 3.828 χ^2/NDF : 18.0/23

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2/NDF : 598934.8/16

Left Out: 8854.870 $\pm$ 3.100 χ^2/NDF : 74426.6/5

Right Out: 14882.066 $\pm$ 4.011 χ^2/NDF : 475983.1/19

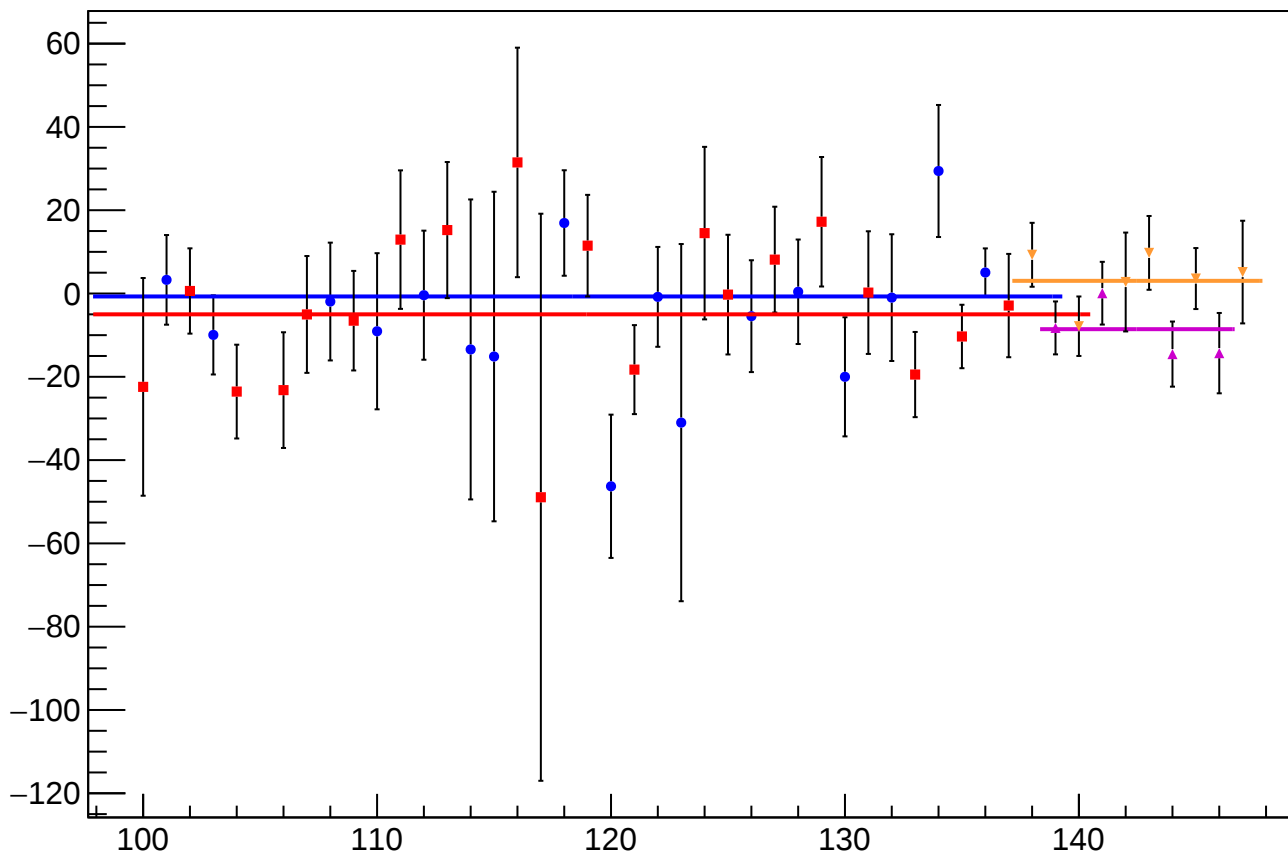
Left In: 9221.630 $\pm$ 3.667 χ^2/NDF : 130990.6/3

10837.214 $\pm$ 2.446 χ^2/NDF : 1755624.4/22

11269.544 $\pm$ 1.815 χ^2/NDF : 3516873.8/4

11799.055 $\pm$ 2.707 χ^2/NDF : 1691723.4/23

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 3.044 $\pm$ 3.500 χ^2/NDF : 3.6/5

Right Out: -5.000 $\pm$ 2.937 χ^2/NDF : 20.2/19

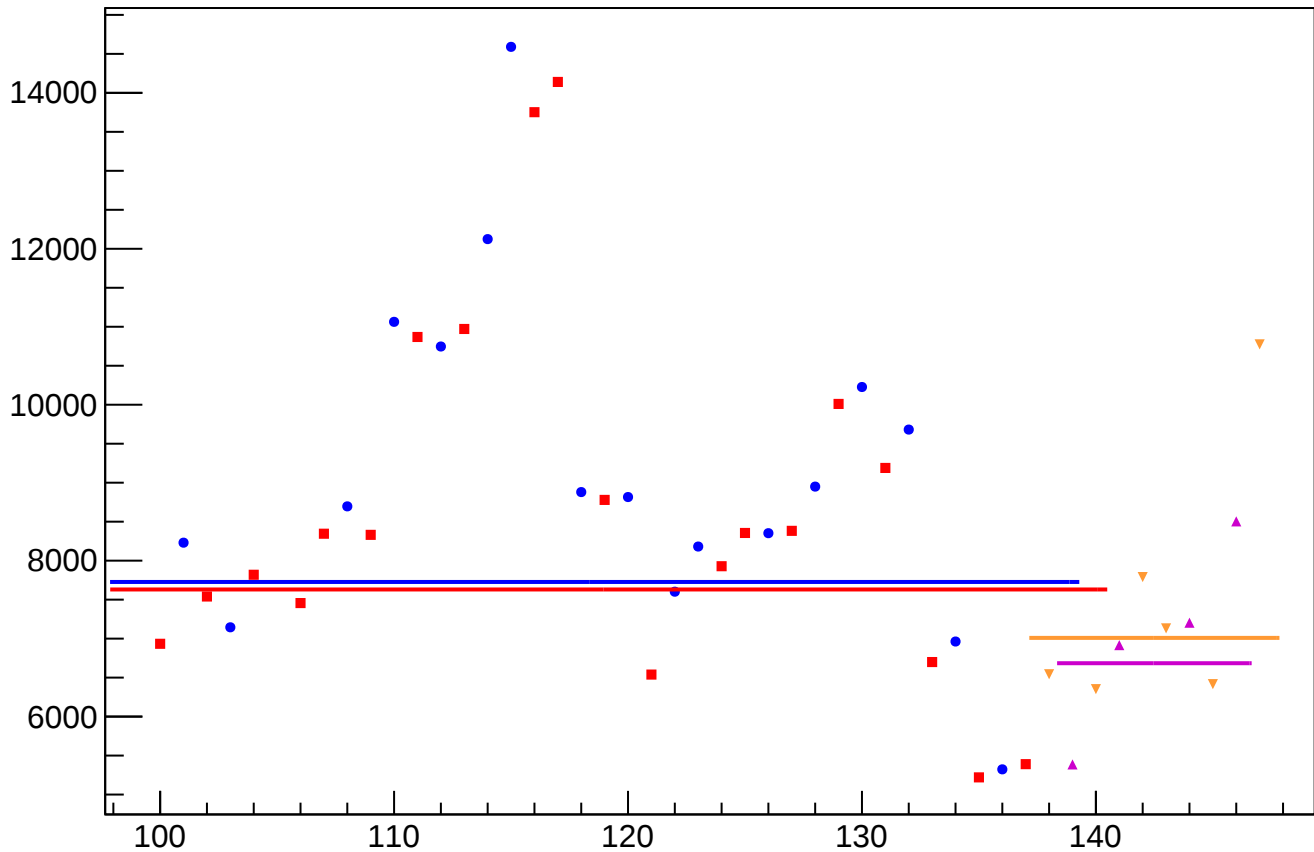
Left In: -8.564 $\pm$ 3.793 χ^2/NDF : 2.3/3

0.932 $\pm$ 2.314 χ^2/NDF : 21.8/22

-2.689 $\pm$ 1.639 χ^2/NDF : 49.7/46

-6.336 $\pm$ 2.322 χ^2/NDF : 23.0/23

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7009.429 $\pm$ 2.475 χ^2 /NDF:233122.5/5

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

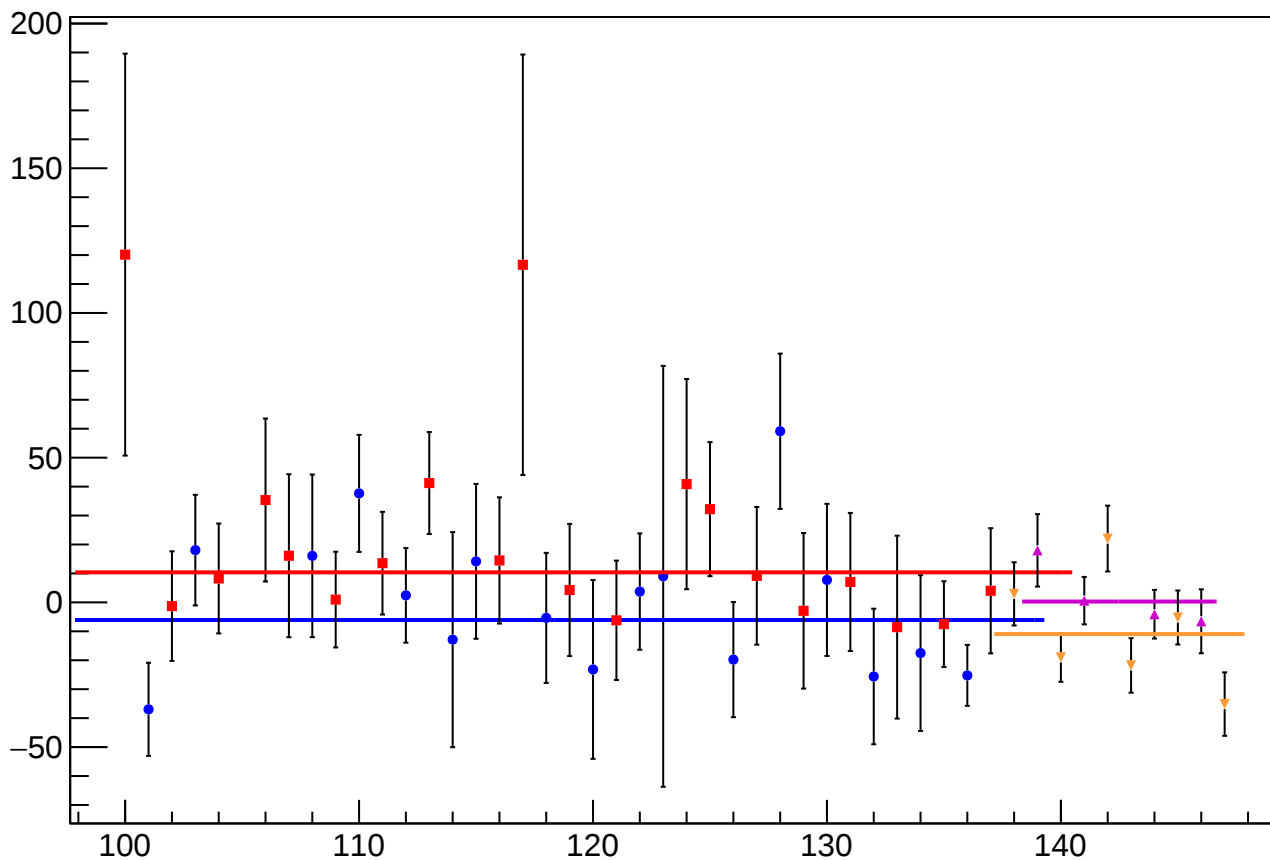
Left In: 6684.548 $\pm$ 2.682 χ^2 /NDF:165343.0/3

7413.238 $\pm$ 1.636 χ^2 /NDF: 1022939.1/22

7344.797 $\pm$ 1.159 χ^2 /NDF: 1962987.3/46

7275.849 $\pm$ 1.642 χ^2 /NDF: 936534.6/23

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 $\pm$ 5.034 χ^2/NDF : 22.9/16

Left Out: -10.955 $\pm$ 4.039 χ^2/NDF : 17.5/5

Right Out: 10.369 $\pm$ 4.992 χ^2/NDF : 13.8/19

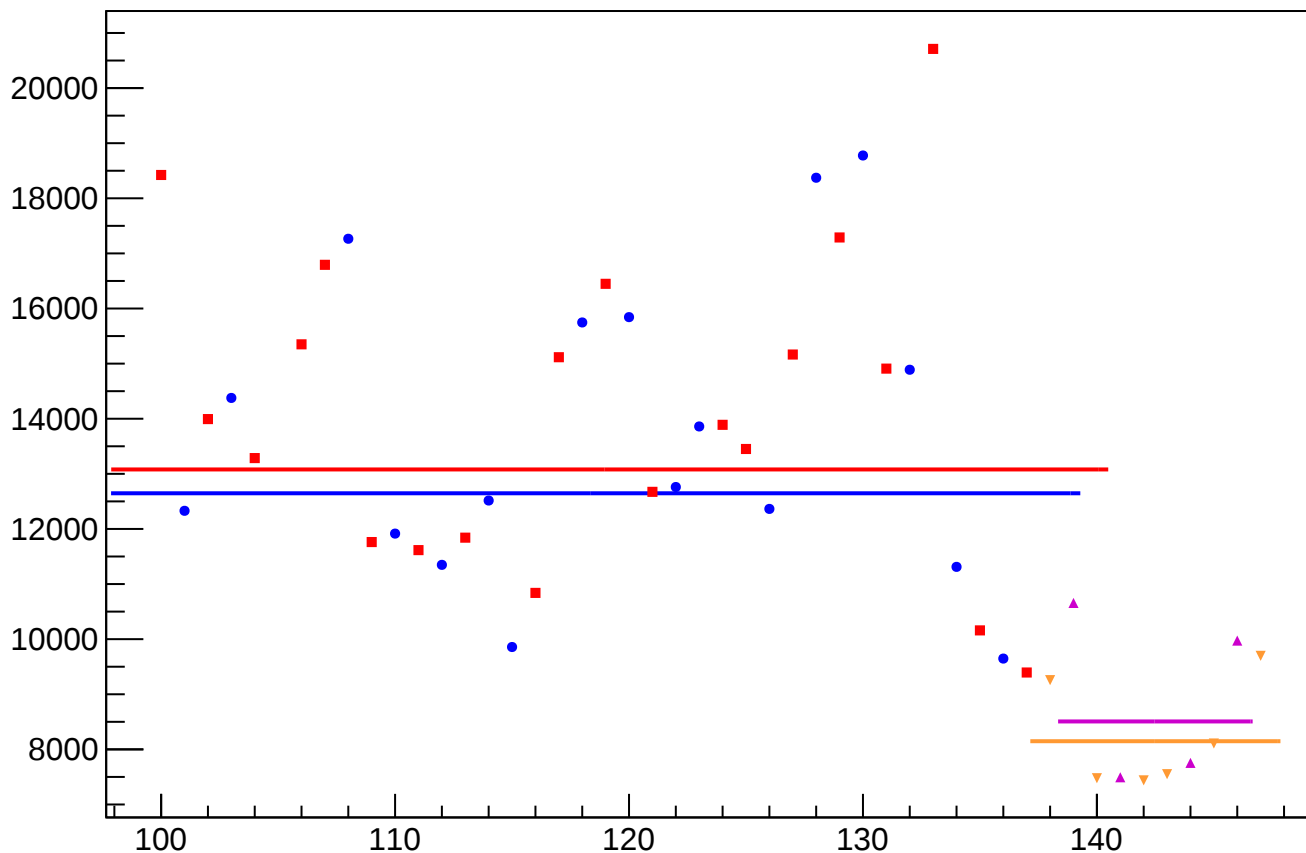
Left In: 0.282 $\pm$ 4.788 χ^2/NDF : 2.7/3

-9.050 $\pm$ 3.150 χ^2/NDF : 41.0/22

-2.620 $\pm$ 2.328 χ^2/NDF : 68.7/46

5.115 $\pm$ 3.455 χ^2/NDF : 18.6/23

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2 /NDF: 554320.4/16

Left Out: 8148.094 $\pm$ 2.856 χ^2 /NDF: 89150.3/5

Right Out: 13079.592 $\pm$ 3.530 χ^2 /NDF: 497851.1/19

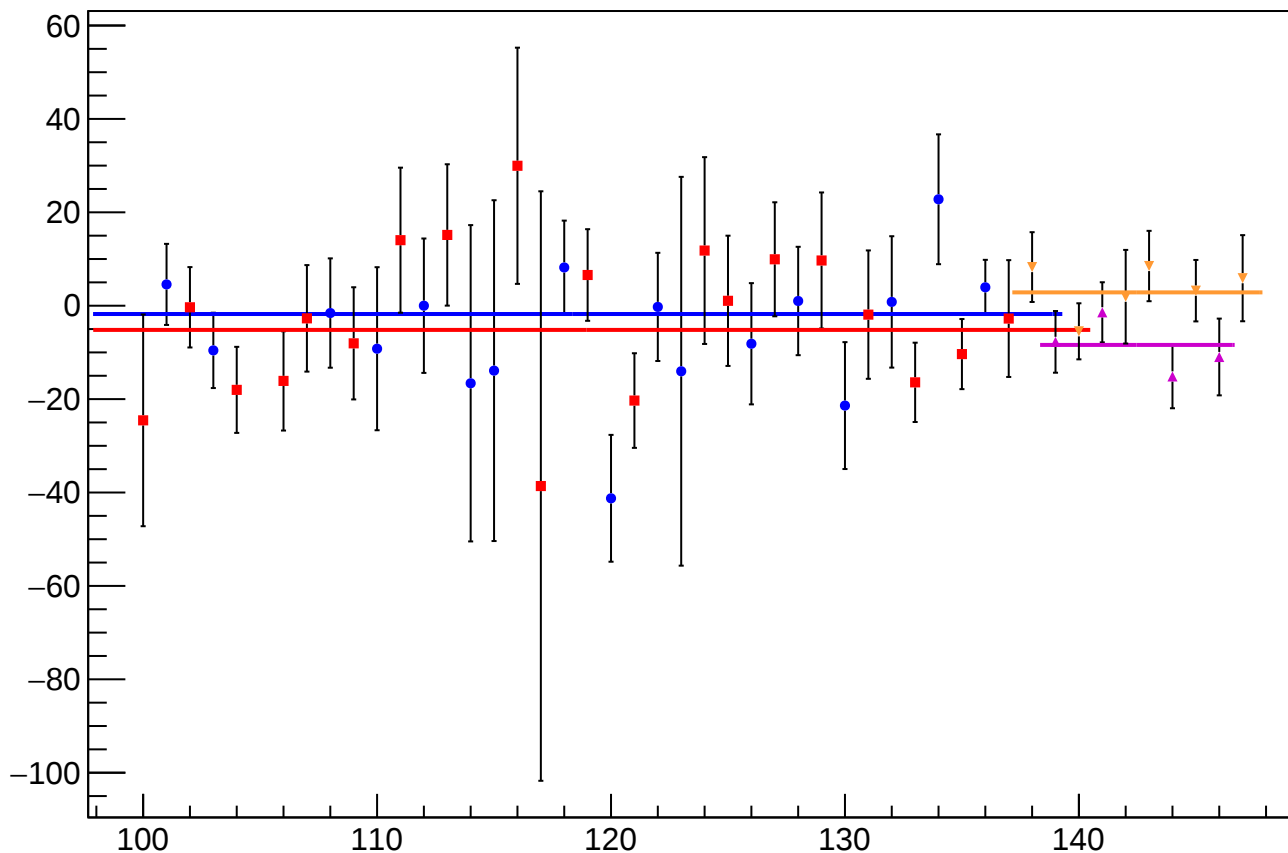
Left In: 8506.817 $\pm$ 3.386 χ^2 /NDF: 140866.2/3

9910.528 $\pm$ 2.228 χ^2 /NDF: 1615367.4/22

10267.975 $\pm$ 1.646 χ^2 /NDF: 3184958.1/4

10697.950 $\pm$ 2.443 χ^2 /NDF: 1512876.0/23

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 2.806 χ^2/NDF : 18.0/16

Left Out: 2.855 $\pm$ 3.041 χ^2/NDF : 3.1/5

Right Out: -5.181 $\pm$ 2.640 χ^2/NDF : 19.2/19

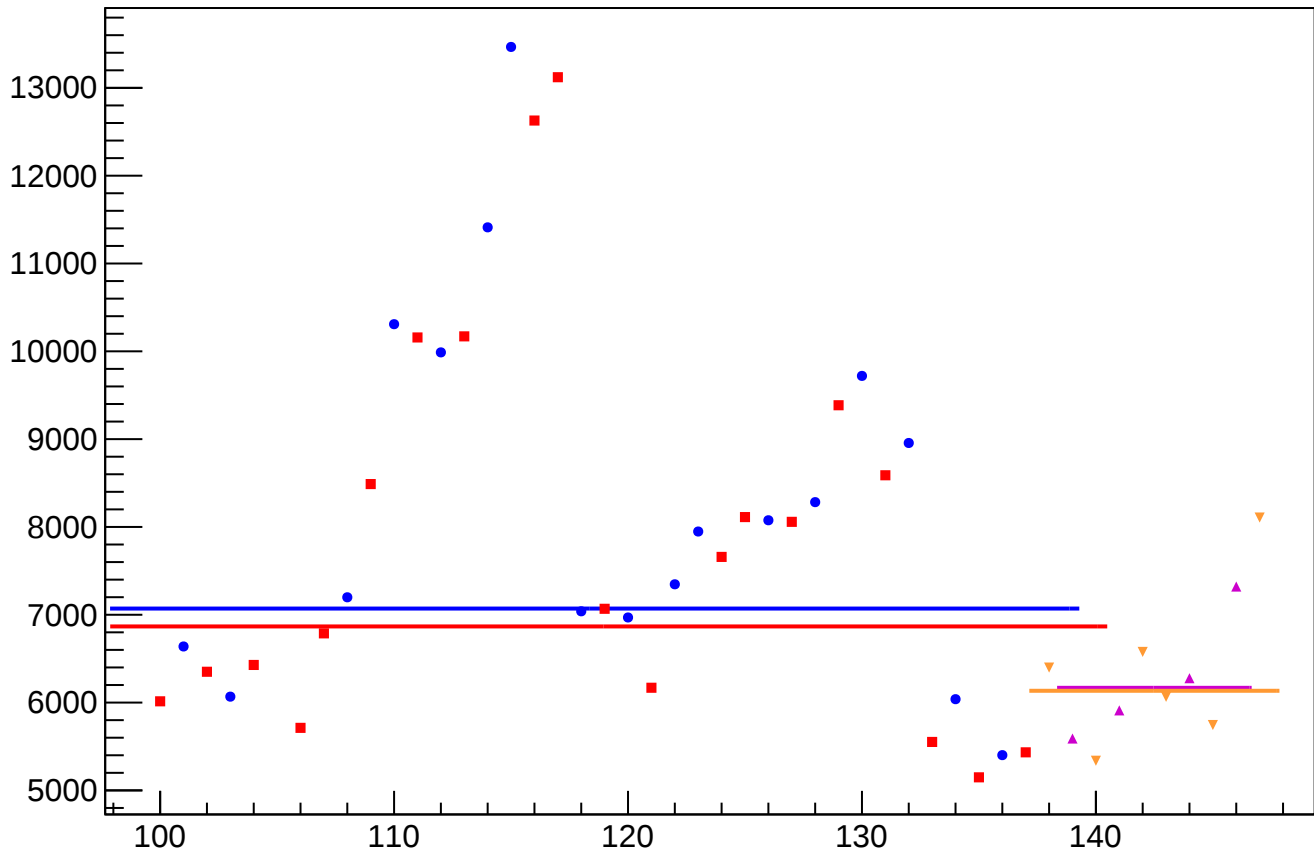
Left In: -8.396 $\pm$ 3.463 χ^2/NDF : 2.3/3

0.353 $\pm$ 2.062 χ^2/NDF : 22.4/22

-2.945 $\pm$ 1.471 χ^2/NDF : 49.6/46

-6.362 $\pm$ 2.099 χ^2/NDF : 22.0/23

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2/NDF : 601692.5/16

Left Out: 6134.376 $\pm$ 2.151 χ^2/NDF :140378.8/5

Right Out: 6867.094 $\pm$ 1.866 χ^2/NDF : 701892.5/19

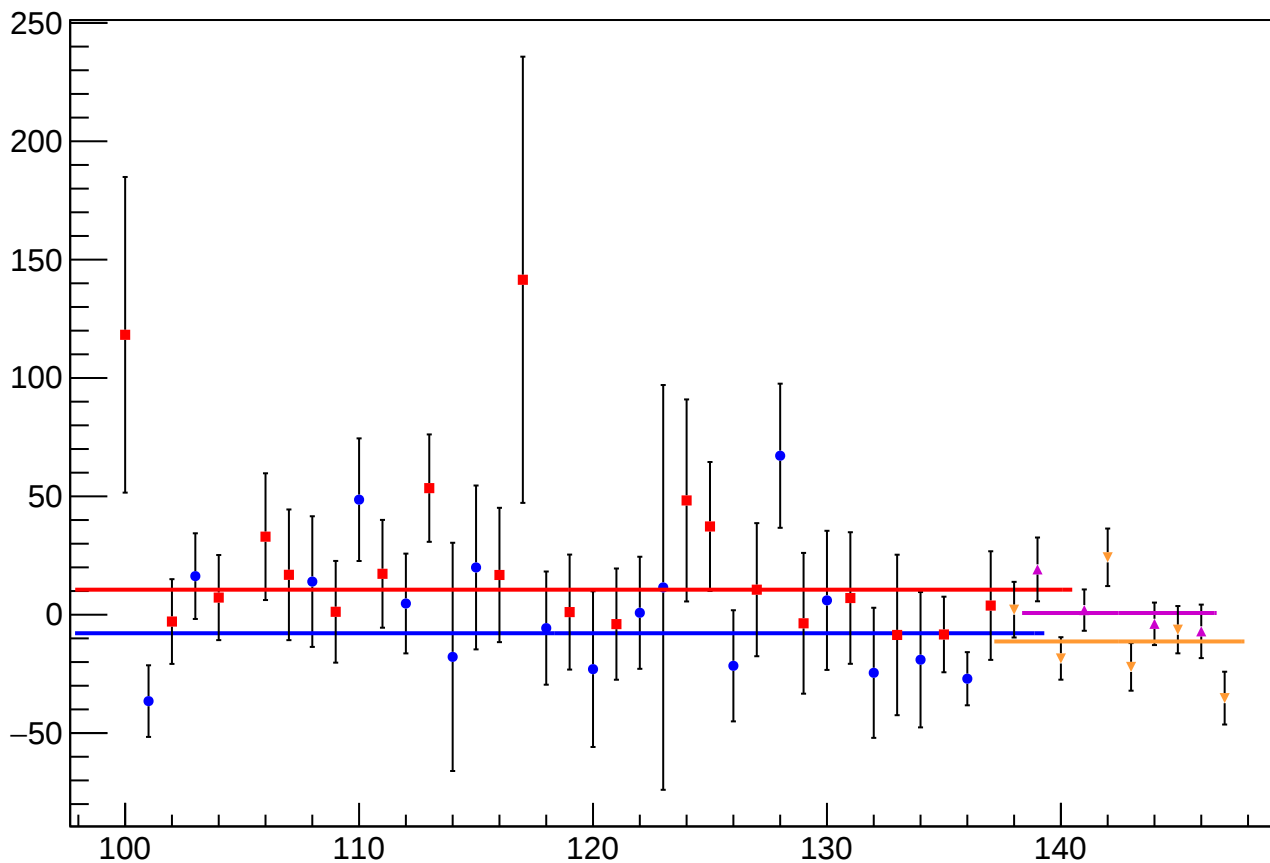
Left In: 6168.033 $\pm$ 2.448 χ^2/NDF :58375.7/3

6640.137 $\pm$ 1.458 χ^2/NDF : 844466.2/22

6625.418 $\pm$ 1.040 χ^2/NDF : 1656498.5/46

6610.169 $\pm$ 1.484 χ^2/NDF : 811824.9/23

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -11.297 ± 4.288 χ^2/NDF : 16.5/5

Right Out: 10.574 ± 5.561 χ^2/NDF : 14.1/19

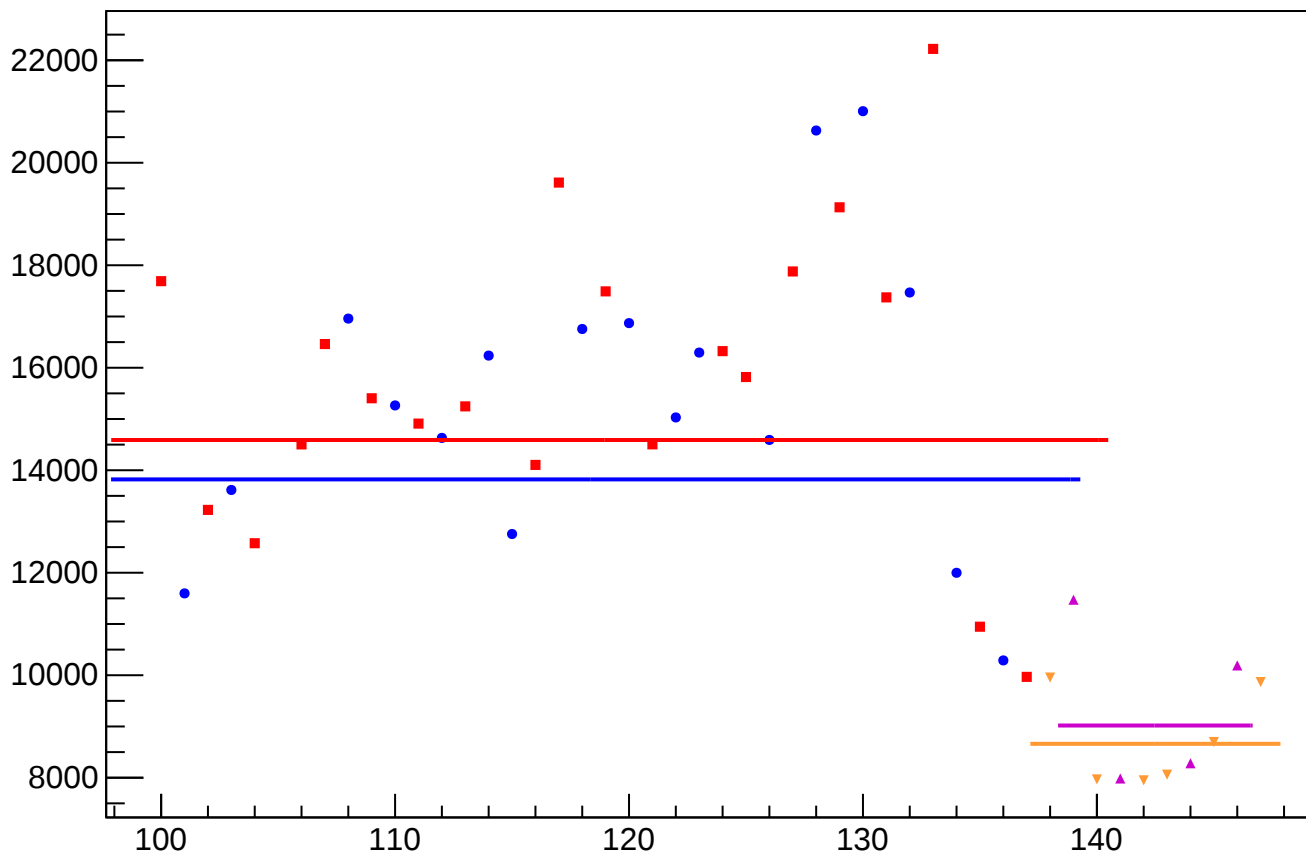
Left In: 0.724 ± 5.072 χ^2/NDF : 2.6/3

-9.989 ± 3.386 χ^2/NDF : 39.0/22

-3.165 ± 2.512 χ^2/NDF : 66.5/46

5.196 ± 3.747 χ^2/NDF : 18.5/23

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 8661.776+/-3.032 χ^2/NDF : 73620.4/5

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

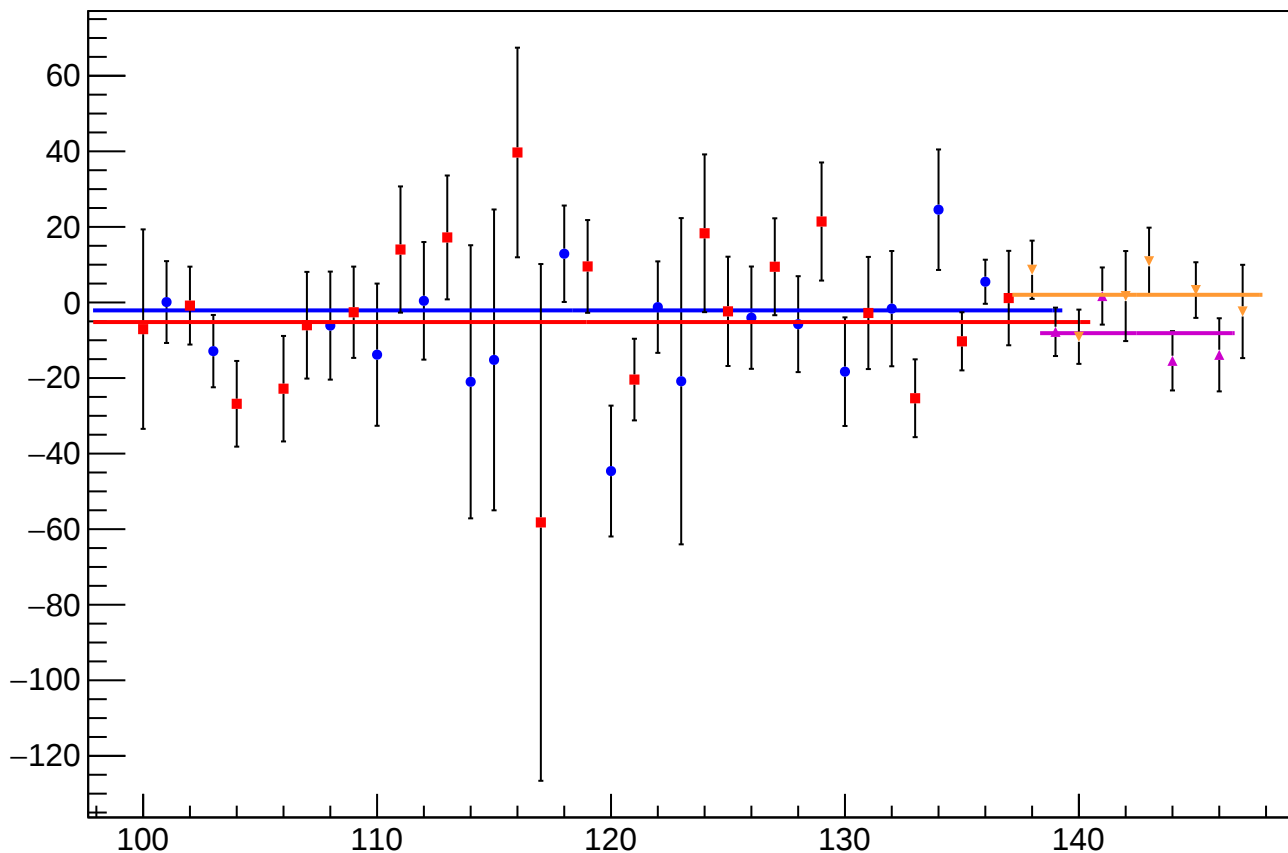
Left In: 9018.858+/-3.586 χ^2/NDF : 129453.7/3

10605.522+/-2.394 χ^2/NDF : 1766960.9/22

11029.195+/-1.776 χ^2/NDF : 3540036.9/4

11548.277+/-2.650 χ^2/NDF : 1703379.6/23

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098+/-3.106 χ^2/NDF : 15.6/16

Left Out: 2.030+/-3.516 χ^2/NDF : 4.3/5

Right Out: -5.184+/-2.959 χ^2/NDF : 25.4/19

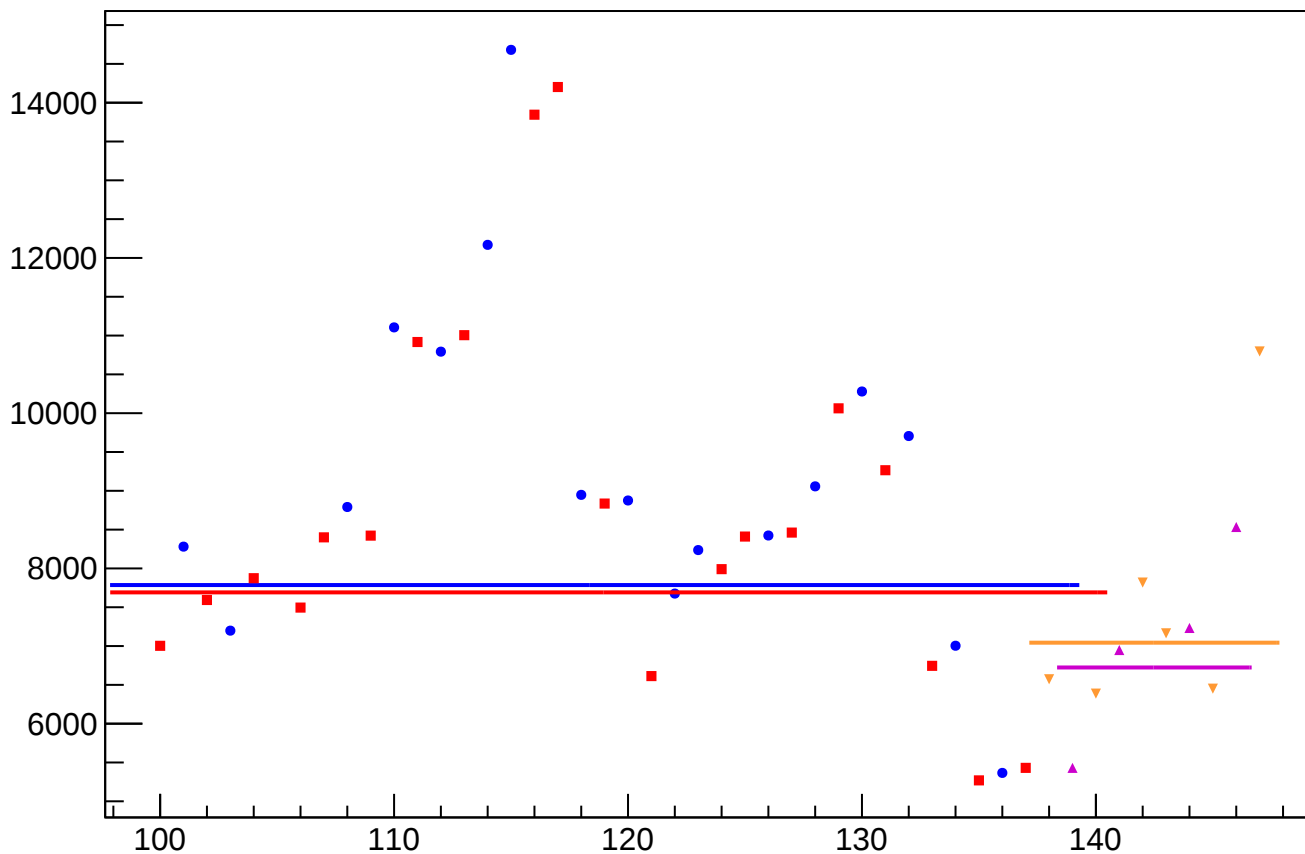
Left In: -8.121+/-3.814 χ^2/NDF : 2.9/3

-0.288+/-2.328 χ^2/NDF : 20.7/22

-3.275+/-1.650 χ^2/NDF : 52.7/46

-6.288+/-2.338 χ^2/NDF : 28.6/23

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2/NDF : 738101.9/16

Left Out: 7043.450 $\pm$ 2.486 χ^2/NDF : 230650.7/5

Right Out: 7691.398 $\pm$ 2.093 χ^2/NDF : 686898.9/19

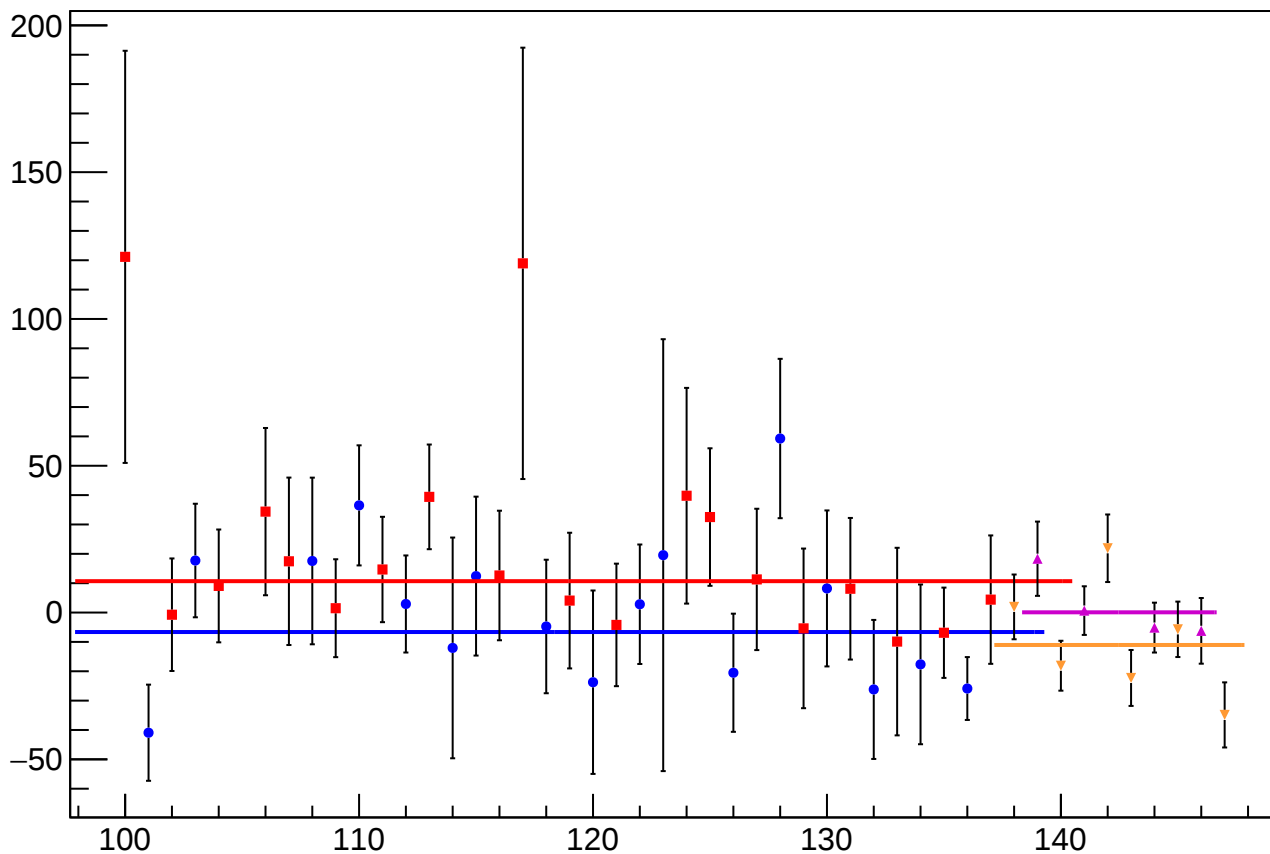
Left In: 6723.936 $\pm$ 2.697 χ^2/NDF : 161649.2/3

7460.398 $\pm$ 1.646 χ^2/NDF : 1018845.3/22

7394.370 $\pm$ 1.166 χ^2/NDF : 1950961.4/46

7327.766 $\pm$ 1.653 χ^2/NDF : 928884.1/23

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 $\pm$ 5.101 χ^2/NDF : 23.4/16

Left Out: -11.047 $\pm$ 4.083 χ^2/NDF : 16.6/5

Right Out: 10.688 $\pm$ 5.063 χ^2/NDF : 13.0/19

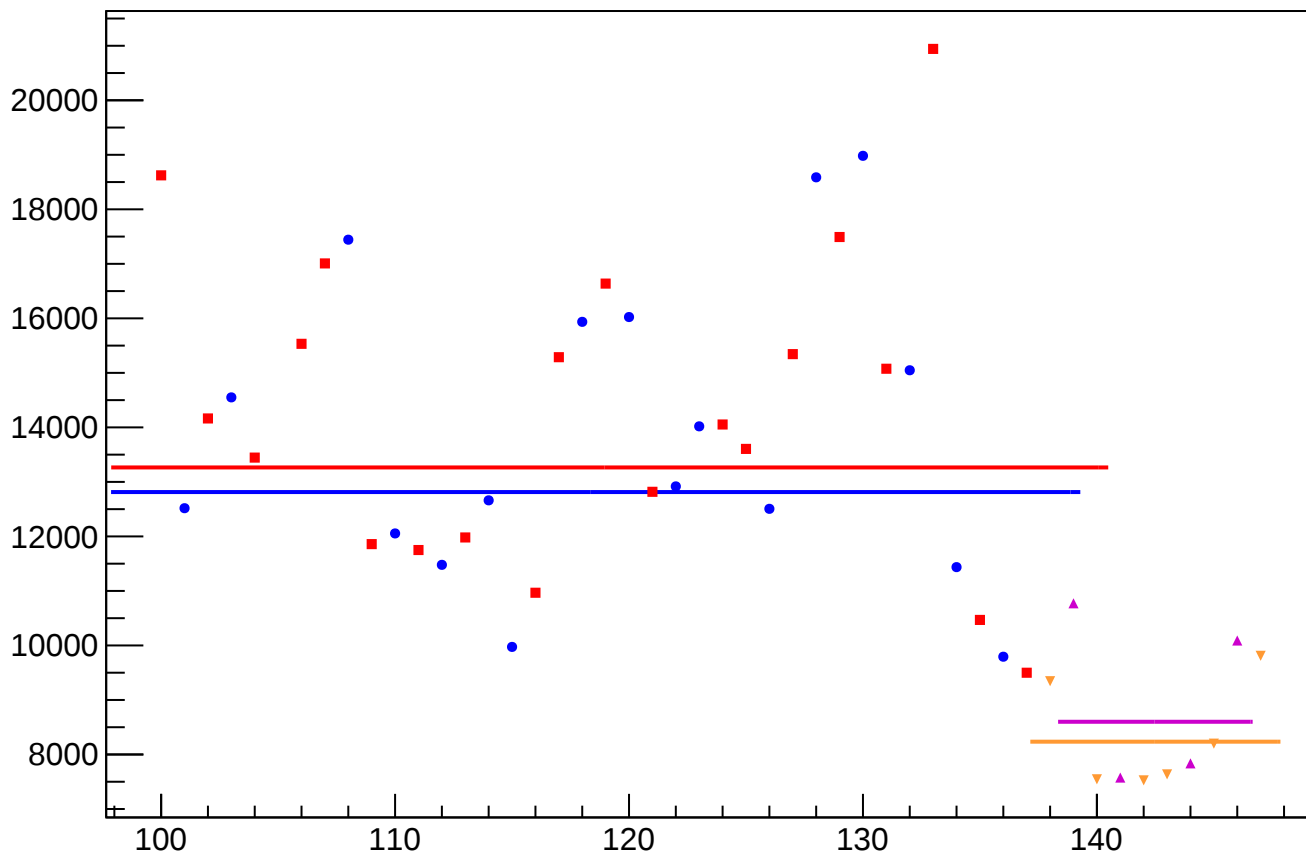
Left In: 0.078 $\pm$ 4.840 χ^2/NDF : 2.8/3

-9.324 $\pm$ 3.188 χ^2/NDF : 40.5/22

-2.761 $\pm$ 2.356 χ^2/NDF : 67.9/46

5.145 $\pm$ 3.499 χ^2/NDF : 18.0/23

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 $\pm$ 3.607 χ^2 /NDF: 548127.6/16

Left Out: 8234.873 $\pm$ 2.887 χ^2 /NDF: 89335.8/5

Right Out: 13265.185 $\pm$ 3.580 χ^2 /NDF: 485810.1/19

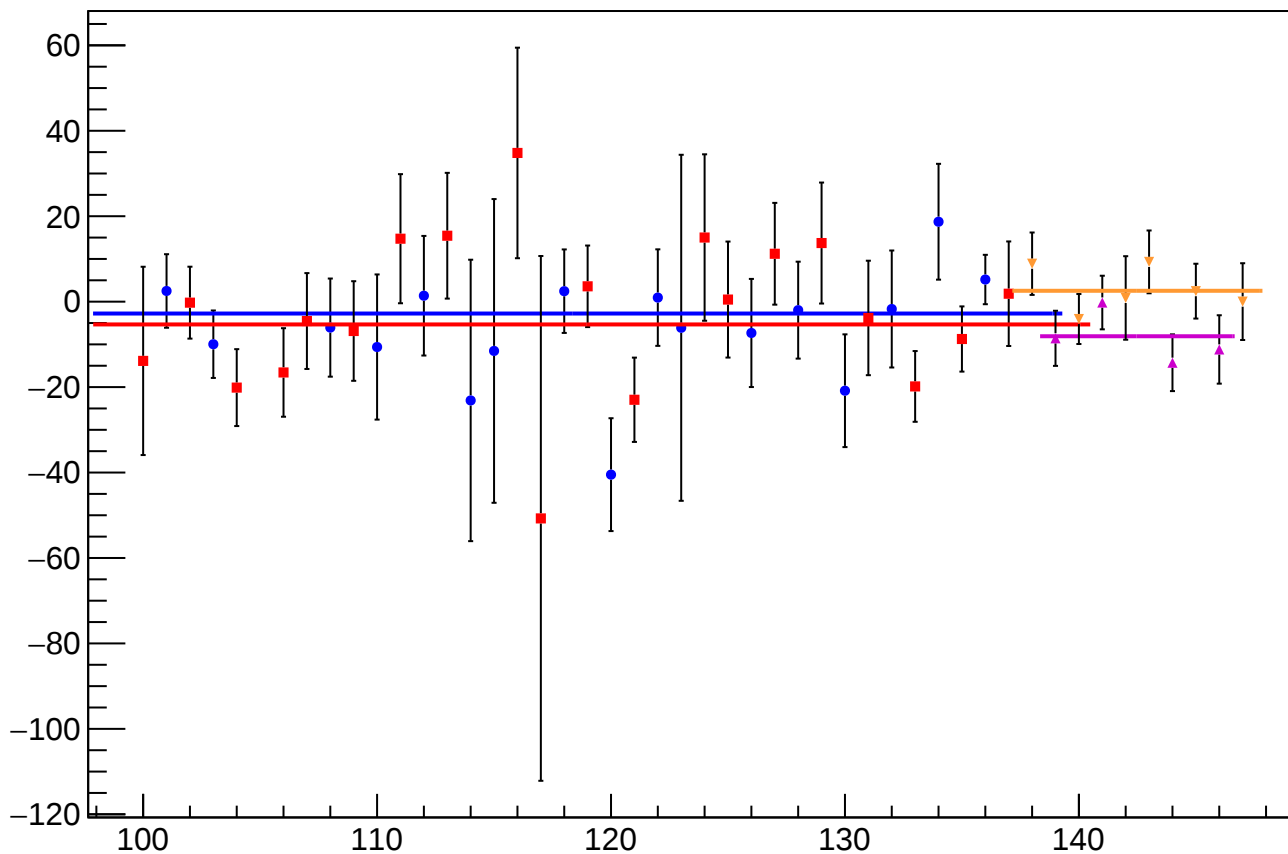
Left In: 8600.074 $\pm$ 3.423 χ^2 /NDF: 141206.8/3

10022.573 $\pm$ 2.254 χ^2 /NDF: 1619671.0/22

10387.884 $\pm$ 1.666 χ^2 /NDF: 3191789.5/4

10827.996 $\pm$ 2.474 χ^2 /NDF: 1514200.8/23

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 $\pm$ 2.747 χ^2/NDF : 17.0/16

Left Out: 2.545 $\pm$ 2.967 χ^2/NDF : 3.0/5

Right Out: -5.332 $\pm$ 2.587 χ^2/NDF : 24.1/19

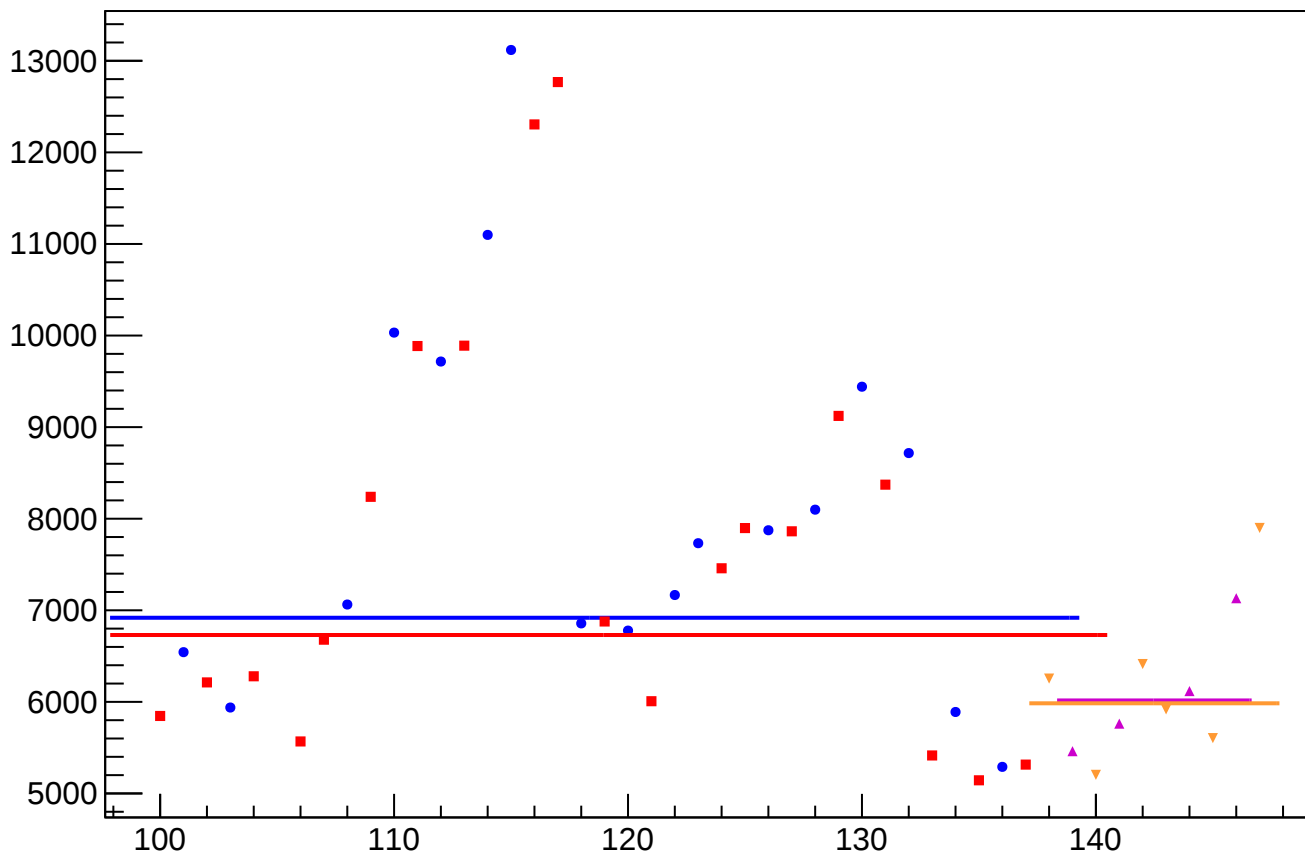
Left In: -8.096 $\pm$ 3.377 χ^2/NDF : 2.6/3

-0.321 $\pm$ 2.016 χ^2/NDF : 21.7/22

-3.281 $\pm$ 1.439 χ^2/NDF : 53.2/46

-6.355 $\pm$ 2.054 χ^2/NDF : 27.1/23

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 $\pm$ 1.943 χ^2/NDF : 587976.6/16

Left Out: 5984.362 $\pm$ 2.098 χ^2/NDF : 140261.2/5

Right Out: 6730.137 $\pm$ 1.830 χ^2/NDF : 673193.1/19

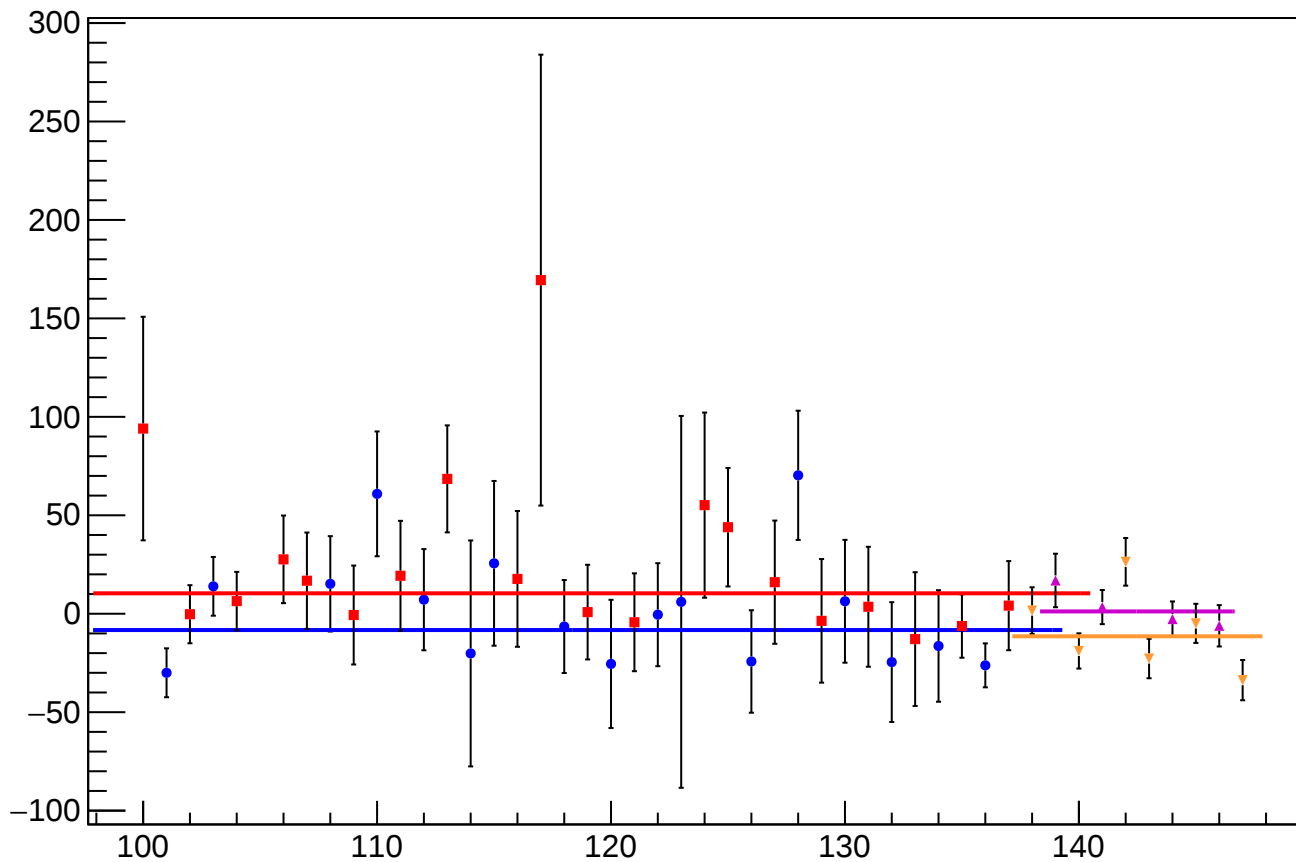
Left In: 6015.524 $\pm$ 2.388 χ^2/NDF : 57358.4/3

6487.322 $\pm$ 1.425 χ^2/NDF : 835000.1/22

6476.763 $\pm$ 1.017 χ^2/NDF : 1622099.4/46

6465.800 $\pm$ 1.452 χ^2/NDF : 786987.5/23

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -11.459 ± 4.222 χ^2/NDF : 18.1/5

Right Out: 10.376 ± 5.507 χ^2/NDF : 14.8/19

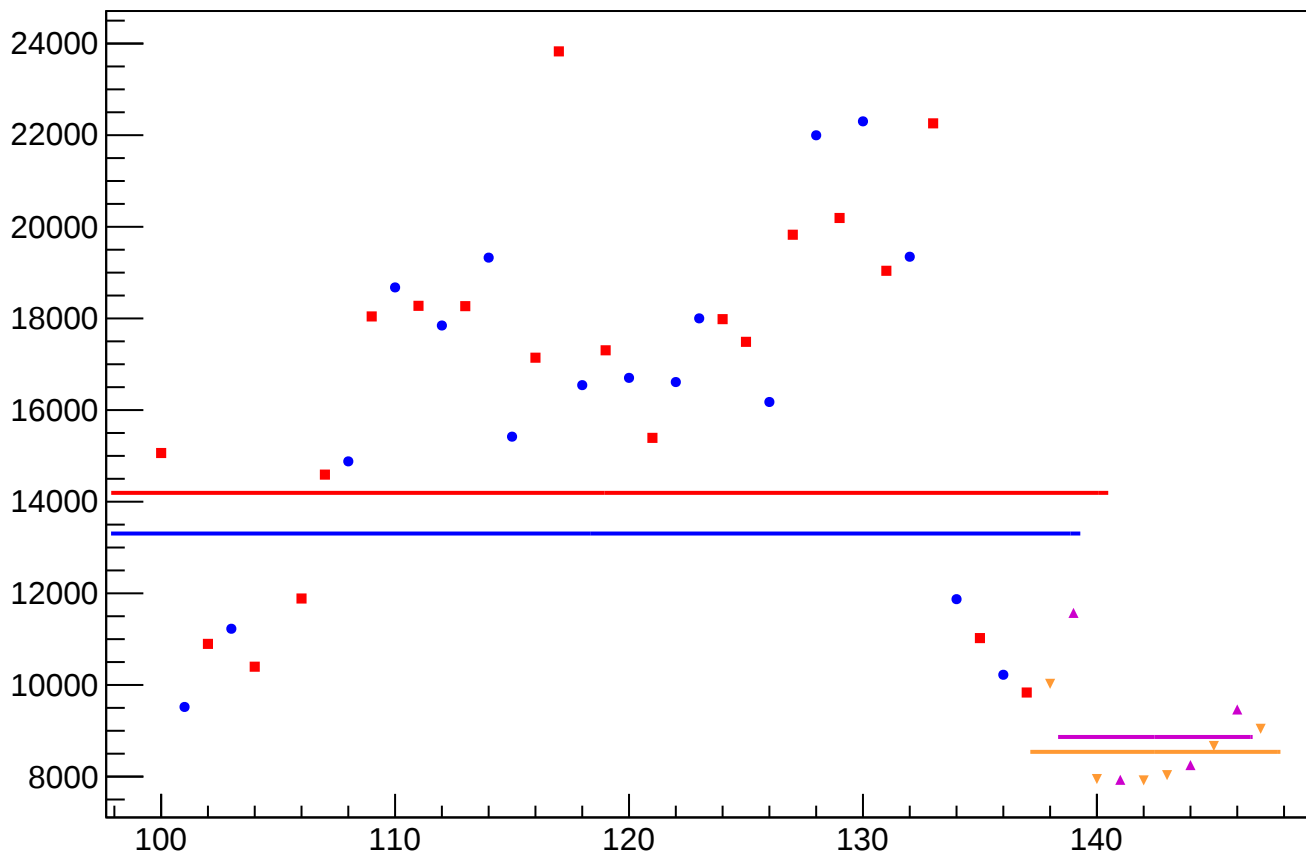
Left In: 1.173 ± 4.982 χ^2/NDF : 2.1/3

-10.258 ± 3.328 χ^2/NDF : 40.0/22

-3.281 ± 2.473 χ^2/NDF : 68.3/46

5.315 ± 3.694 χ^2/NDF : 18.4/23

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8540.071+/-2.985 χ^2/NDF : 55908.8/5

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

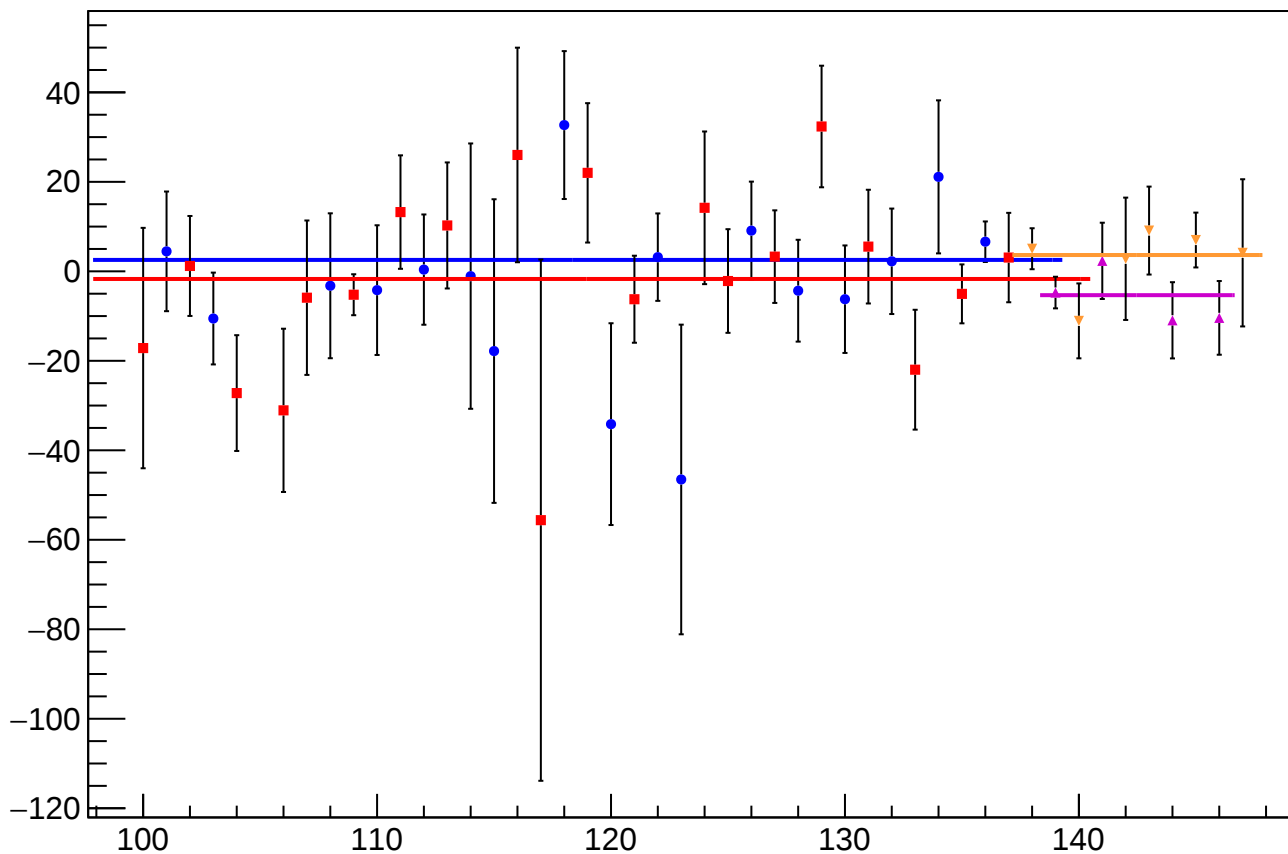
Left In: 8865.132+/-3.523 χ^2/NDF : 118630.4/3

10343.628+/-2.353 χ^2/NDF : 2064406.9/22

10755.578+/-1.749 χ^2/NDF : 4225789.8/4

11263.117+/-2.612 χ^2/NDF : 2092996.6/23

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 3.645 ± 3.043 $\chi^2/\text{NDF}: 3.8/5$

Right Out: -1.708 ± 2.440 $\chi^2/\text{NDF}: 24.9/19$

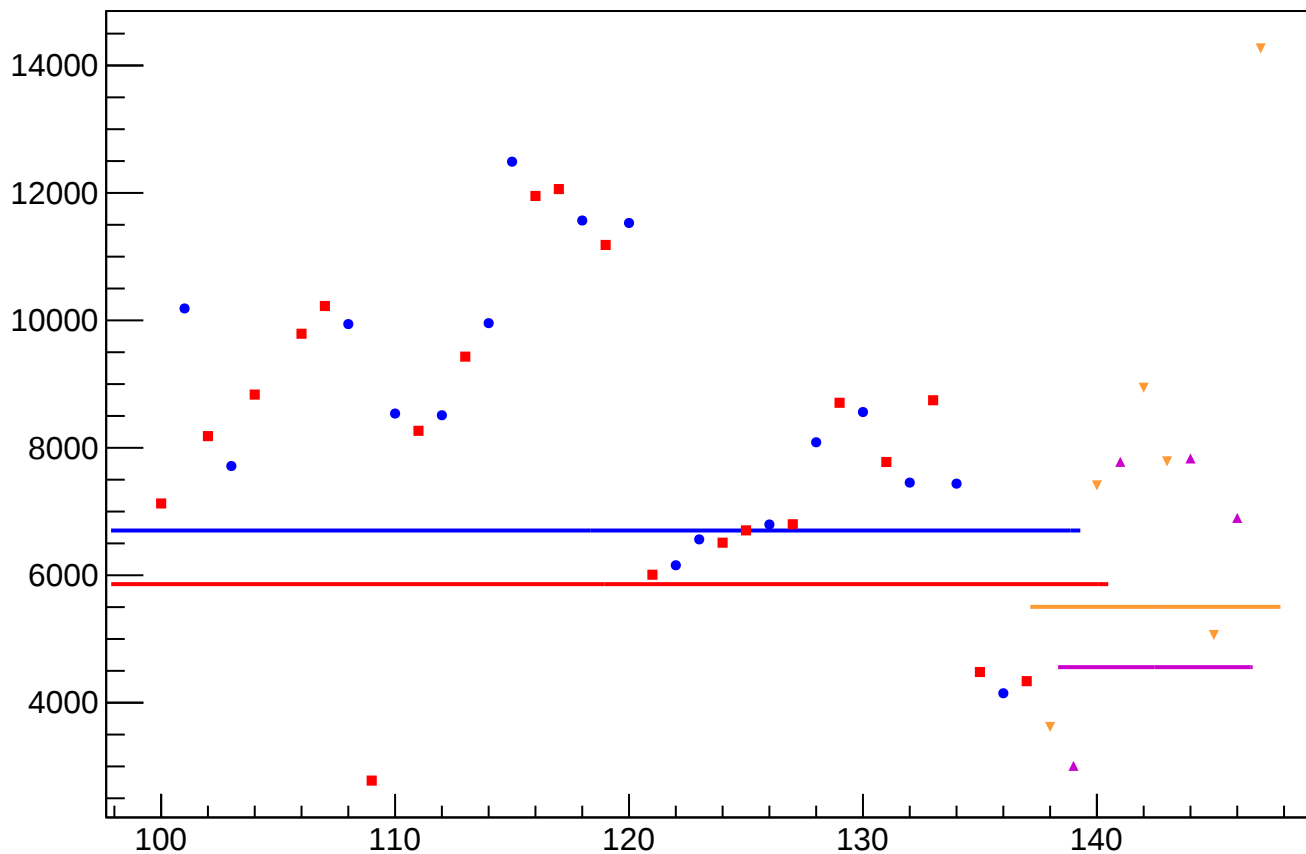
Left In: -5.327 ± 2.859 $\chi^2/\text{NDF}: 1.7/3$

3.044 ± 2.043 $\chi^2/\text{NDF}: 17.5/22$

-0.395 ± 1.374 $\chi^2/\text{NDF}: 50.1/46$

-3.233 ± 1.856 $\chi^2/\text{NDF}: 27.4/23$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245 $\pm$ 1.949 χ^2/NDF : 1389956.8/16

Left Out: 5504.278 $\pm$ 2.152 χ^2/NDF :1255141.8/5

Right Out: 5860.505 $\pm$ 1.725 χ^2/NDF : 2301163.3/19

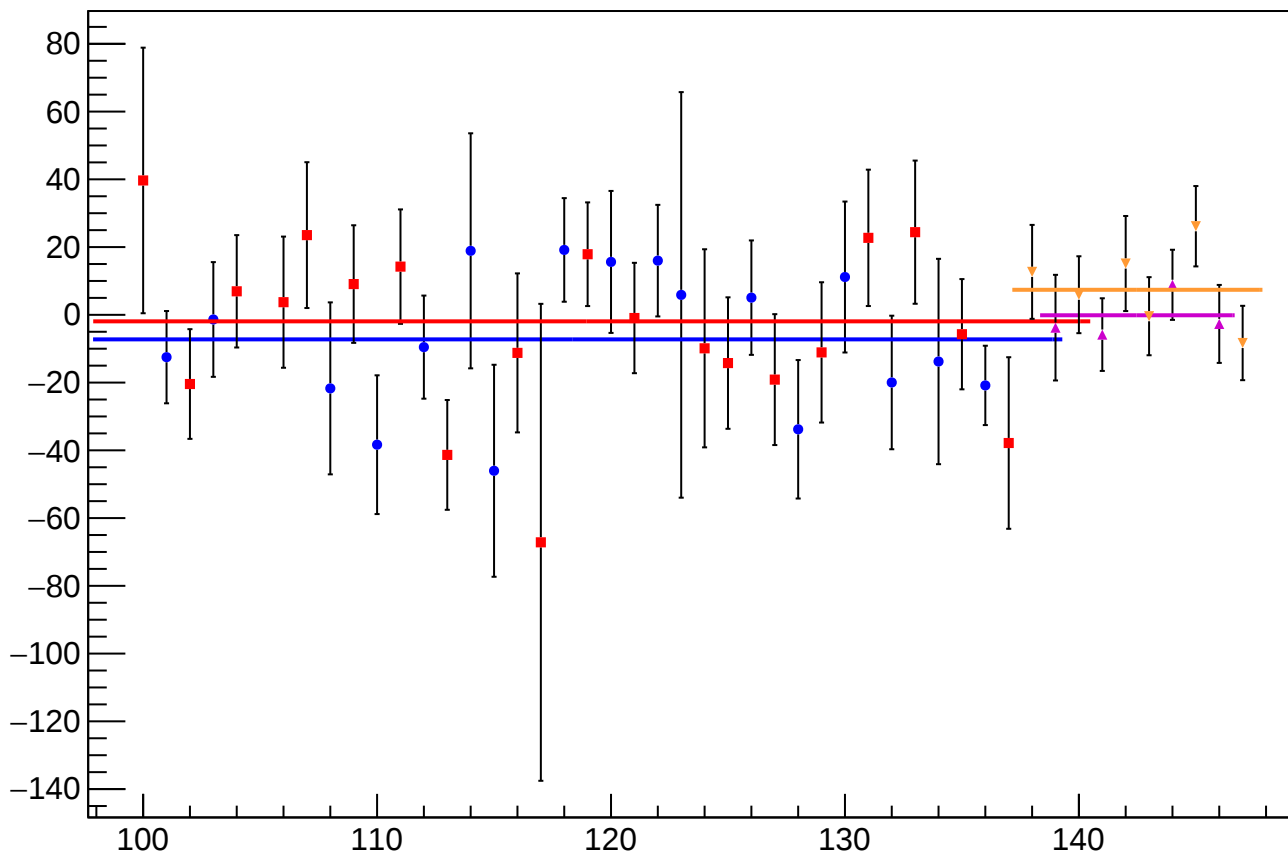
Left In: 4558.183 $\pm$ 2.022 χ^2/NDF :1127291.1/3

6162.260 $\pm$ 1.445 χ^2/NDF : 2815333.1/22

5696.231 $\pm$ 0.971 χ^2/NDF : 6673817.9/46

5311.631 $\pm$ 1.312 χ^2/NDF : 3668549.3/23

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 7.392 ± 4.940 χ^2/NDF : 5.5/5

Right Out: -1.922 ± 4.365 χ^2/NDF : 20.7/19

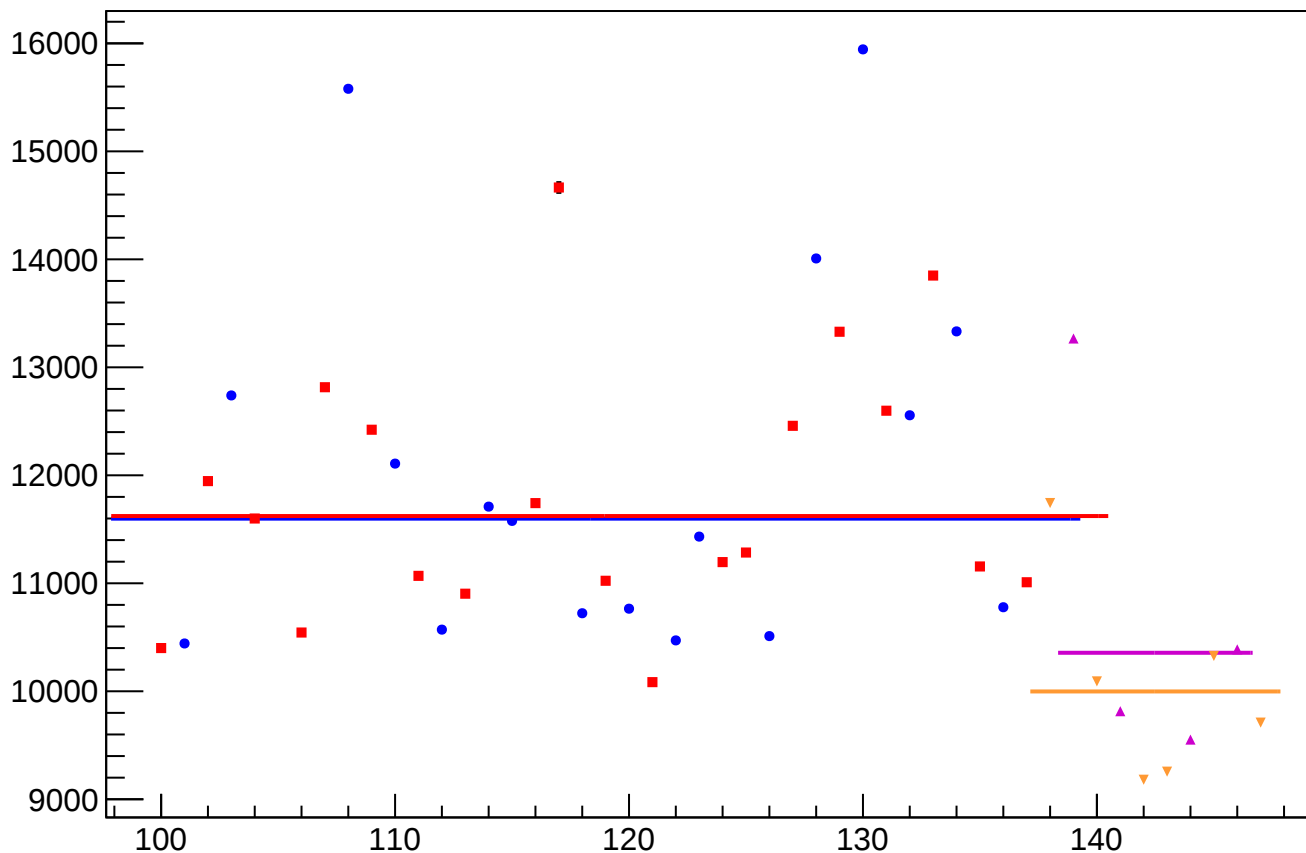
Left In: -0.130 ± 5.803 χ^2/NDF : 1.1/3

-0.532 ± 3.346 χ^2/NDF : 26.2/22

-0.888 ± 2.414 χ^2/NDF : 48.1/46

-1.275 ± 3.488 χ^2/NDF : 21.9/23

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 9998.336+/-3.493 χ^2/NDF : 49825.3/5

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

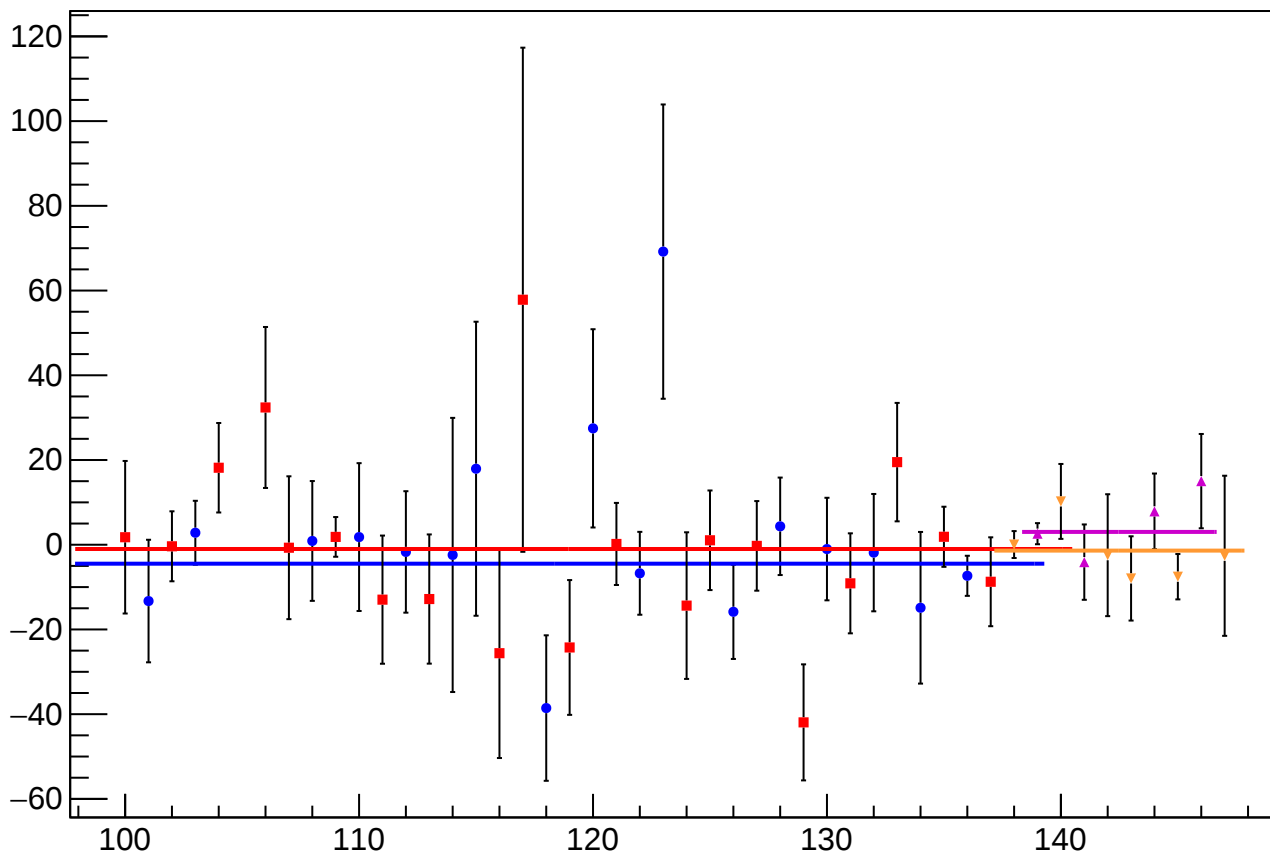
Left In: 10356.470+/-4.103 χ^2/NDF : 86851.6/3

10864.749+/-2.366 χ^2/NDF : 398887.3/22

11008.707+/-1.707 χ^2/NDF : 652480.8/46

11165.200+/-2.466 χ^2/NDF : 245864.8/23

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -1.387 ± 2.466 χ^2/NDF : 3.7/5

Right Out: -1.007 ± 2.427 χ^2/NDF : 25.0/19

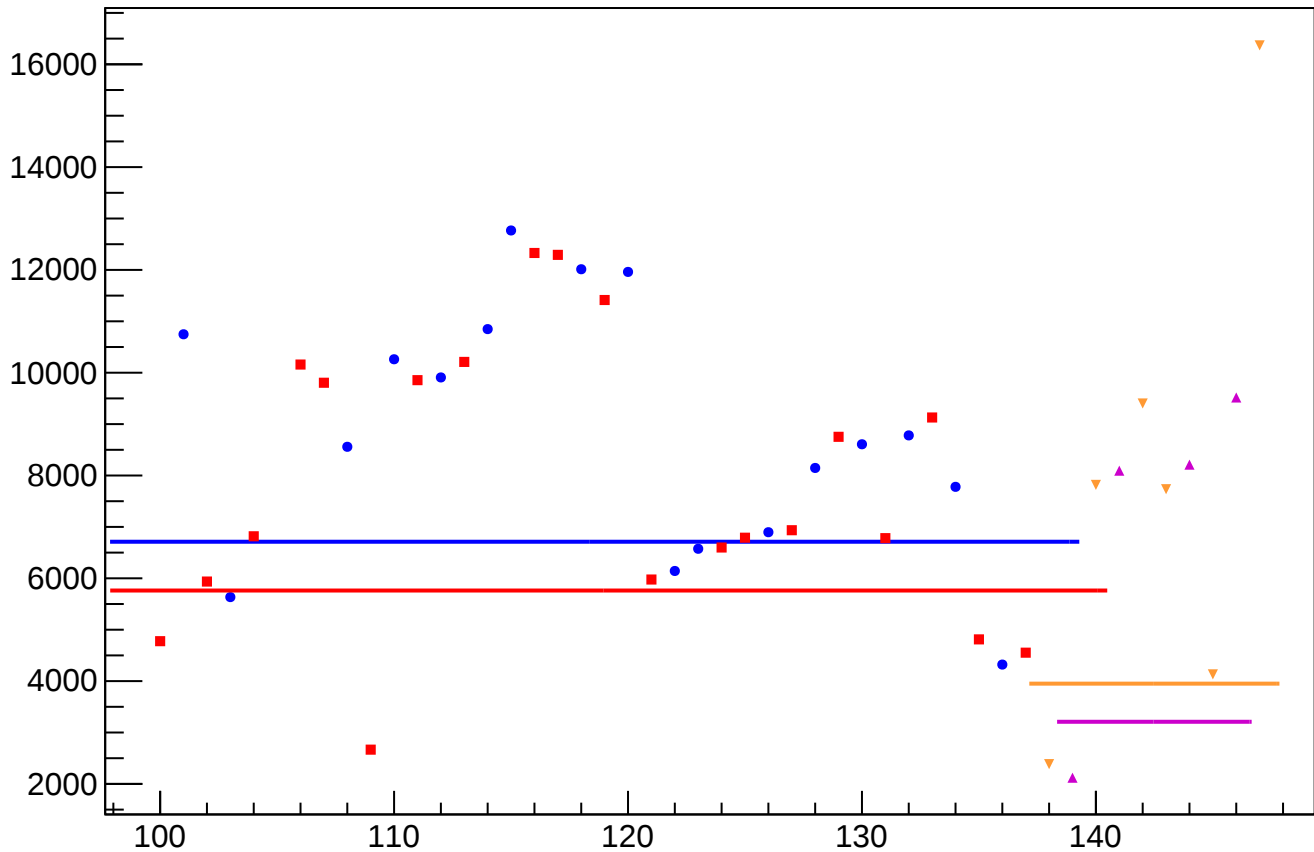
Left In: 3.025 ± 2.268 χ^2/NDF : 2.1/3

-2.746 ± 1.845 χ^2/NDF : 19.2/22

-0.592 ± 1.233 χ^2/NDF : 50.3/46

1.145 ± 1.657 χ^2/NDF : 28.6/23

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 ± 1.967 $\chi^2/\text{NDF}: 1446972.0/16$

Left Out: 3950.643 ± 1.744 $\chi^2/\text{NDF}: 2310262.1/5$

Right Out: 5762.387 ± 1.716 $\chi^2/\text{NDF}: 2189239.7/19$

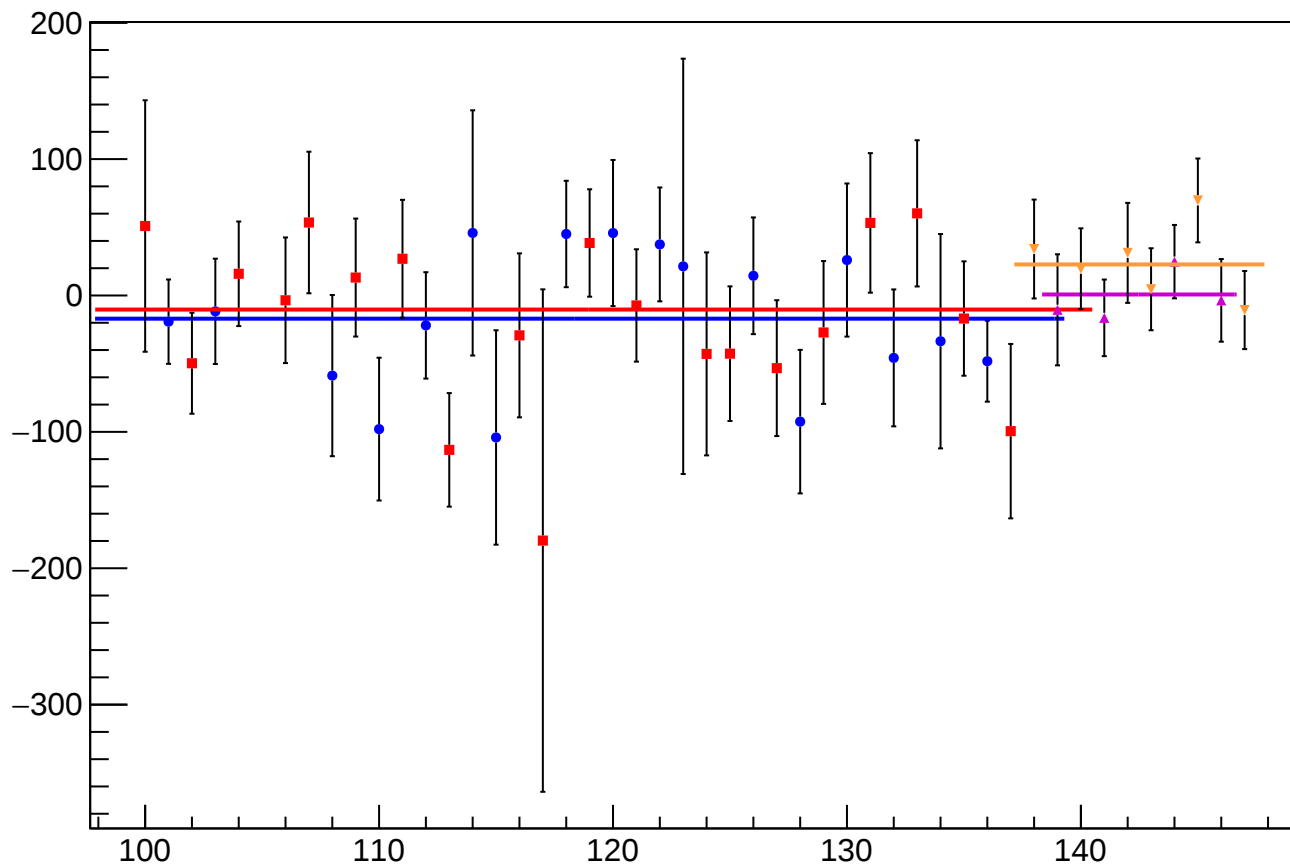
Left In: 3208.771 ± 1.604 $\chi^2/\text{NDF}: 2254752.2/3$

5165.547 ± 1.305 $\chi^2/\text{NDF}: 4860483.4/22$

4741.347 ± 0.872 $\chi^2/\text{NDF}: 10677378.7/4$

4399.250 ± 1.172 $\chi^2/\text{NDF}: 5625958.6/23$

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 +/- 11.287 χ^2/NDF : 15.0/16

Left Out: 22.776 +/- 12.878 χ^2/NDF : 4.2/5

Right Out: -10.311 +/- 10.872 χ^2/NDF : 19.9/19

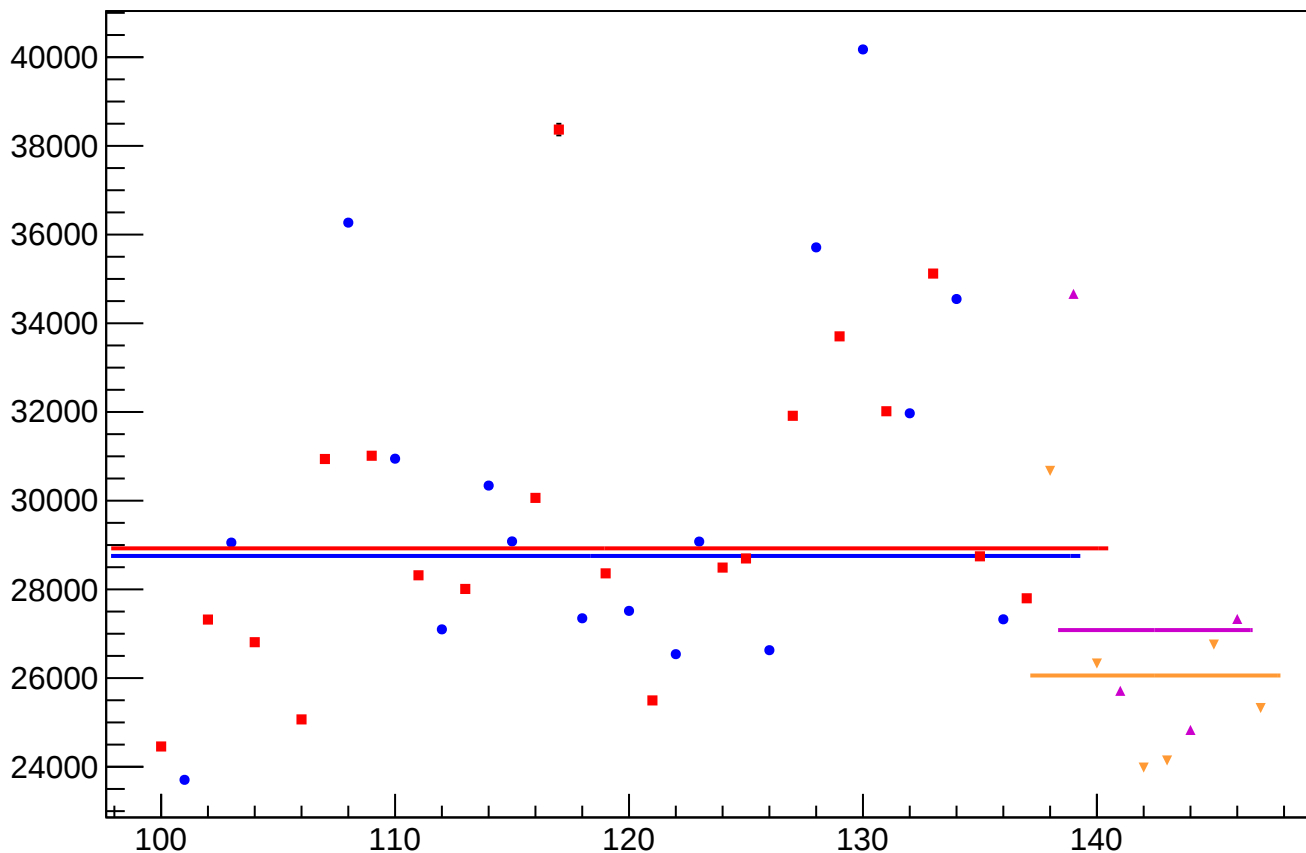
Left In: 0.746 +/- 15.178 χ^2/NDF : 1.3/3

0.274 +/- 8.488 χ^2/NDF : 24.6/22

-3.006 +/- 6.122 χ^2/NDF : 46.4/46

-6.562 +/- 8.838 χ^2/NDF : 21.5/23

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 ± 7.981 χ^2/NDF : 249215.1/16

Left Out: 26058.186 ± 9.106 χ^2/NDF : 49471.0/5

Right Out: 28925.160 ± 7.687 χ^2/NDF : 116514.7/19

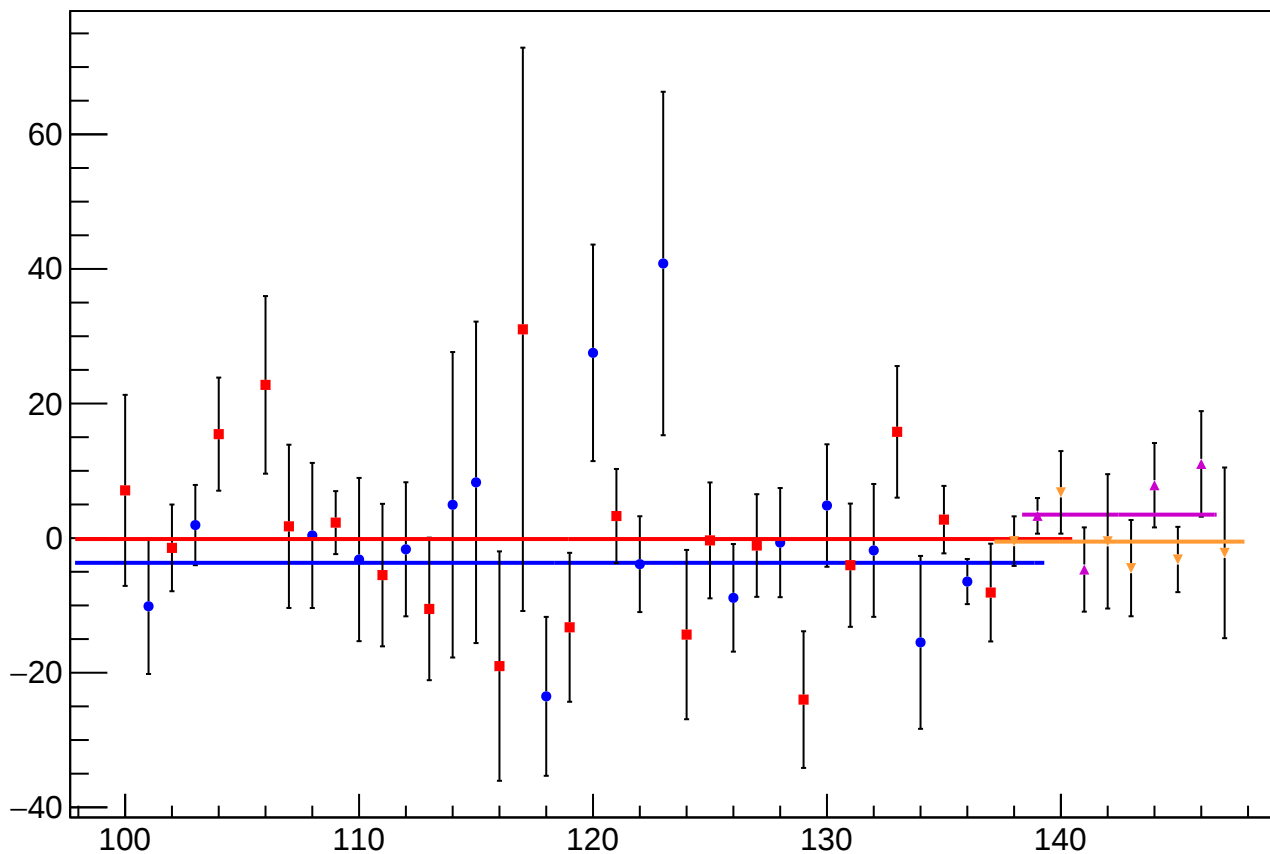
Left In: 27082.484 ± 10.732 χ^2/NDF : 88205.9/3

27582.719 ± 6.002 χ^2/NDF : 348242.9/22

27927.037 ± 4.329 χ^2/NDF : 579304.5/46

28300.333 ± 6.250 χ^2/NDF : 224203.0/23

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 $\pm$ 2.010 χ^2/NDF : 14.5/16

Left Out: -0.519 $\pm$ 2.367 χ^2/NDF : 2.0/5

Right Out: -0.135 $\pm$ 1.891 χ^2/NDF : 22.9/19

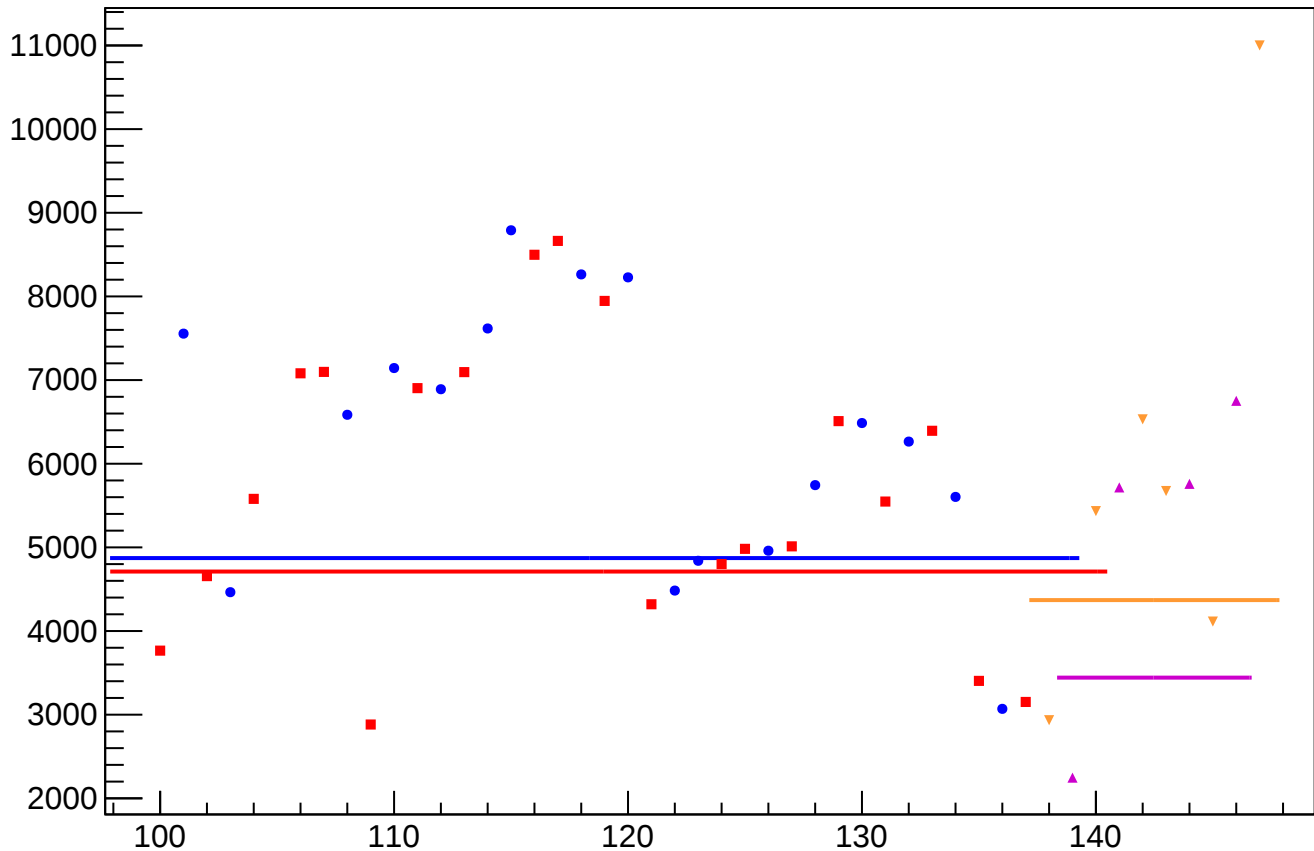
Left In: 3.491 $\pm$ 2.182 χ^2/NDF : 3.1/3

-2.349 $\pm$ 1.532 χ^2/NDF : 17.6/22

-0.334 $\pm$ 1.045 χ^2/NDF : 48.4/46

1.420 $\pm$ 1.429 χ^2/NDF : 27.6/23

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4369.775+/-1.674 χ^2/NDF : 1076480.5/5

Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

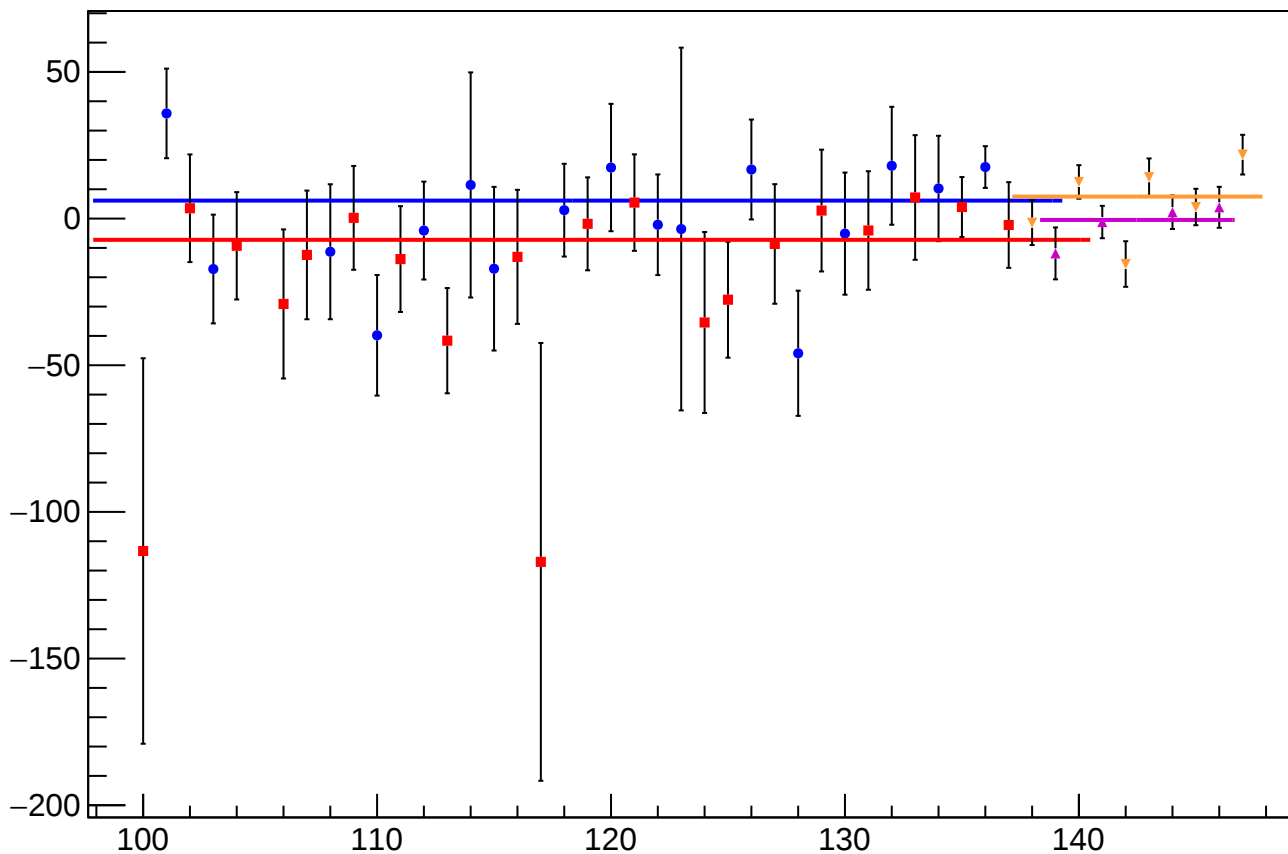
Left In: 3442.899+/-1.543 χ^2/NDF : 1301101.2/3

4661.644+/-1.083 χ^2/NDF : 2534081.6/22

4397.283+/-0.739 χ^2/NDF : 5662978.7/46

4167.270+/-1.010 χ^2/NDF : 3017521.2/23

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2/NDF : 22.2/16

Left Out: 7.503 $\pm$ 2.706 χ^2/NDF : 16.7/5

Right Out: -7.243 $\pm$ 4.218 χ^2/NDF : 14.6/19

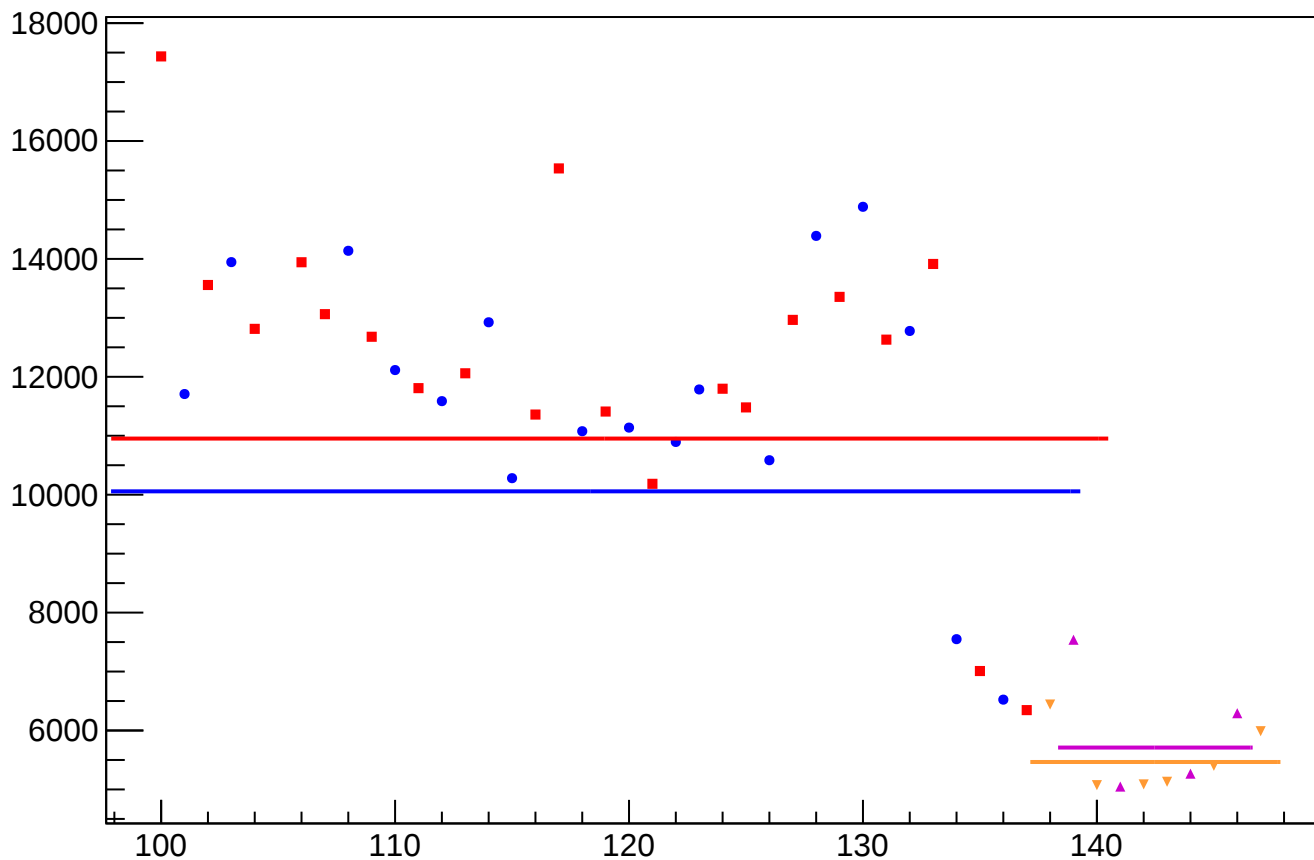
Left In: -0.462 $\pm$ 3.215 χ^2/NDF : 2.3/3

7.085 $\pm$ 2.255 χ^2/NDF : 39.0/22

2.692 $\pm$ 1.691 χ^2/NDF : 66.2/46

-2.954 $\pm$ 2.557 χ^2/NDF : 18.5/23

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5465.802 $\pm$ 1.913 χ^2 /NDF: 64627.1/5

Right Out: 10952.255 $\pm$ 2.982 χ^2 /NDF: 770474.3/19

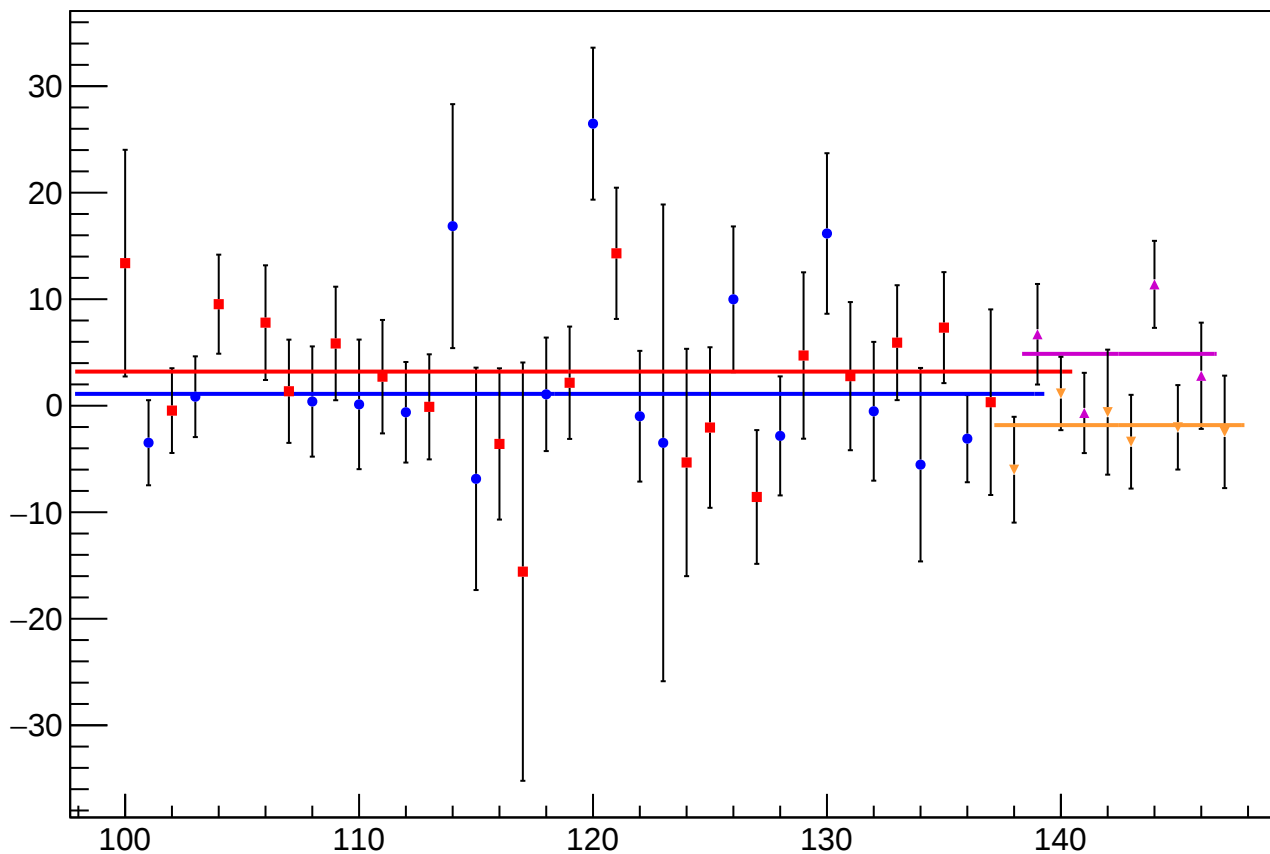
Left In: 5710.569 $\pm$ 2.273 χ^2 /NDF: 140076.3/3

6868.086 $\pm$ 1.594 χ^2 /NDF: 2826371.9/22

7204.384 $\pm$ 1.196 χ^2 /NDF: 5792547.9/46

7636.707 $\pm$ 1.808 χ^2 /NDF: 2864506.1/23

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 $\pm$ 1.403 χ^2/NDF : 24.6/16

Left Out: -1.821 $\pm$ 1.810 χ^2/NDF : 1.6/5

Right Out: 3.204 $\pm$ 1.331 χ^2/NDF : 16.0/19

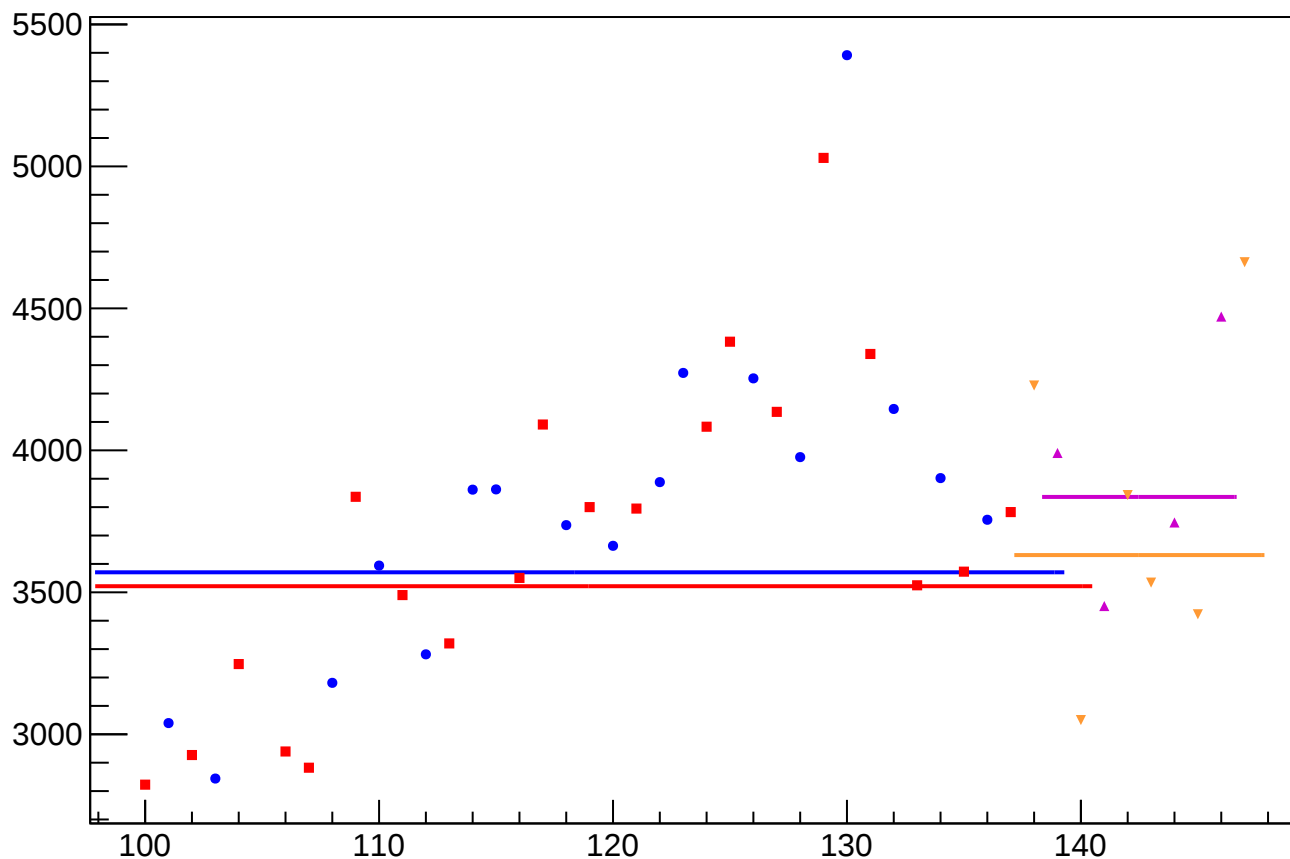
Left In: 4.868 $\pm$ 2.154 χ^2/NDF : 5.0/3

0.011 $\pm$ 1.109 χ^2/NDF : 27.9/22

1.800 $\pm$ 0.792 χ^2/NDF : 54.7/46

3.663 $\pm$ 1.132 χ^2/NDF : 21.5/23

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481 +/- 0.992 χ^2/NDF : 309699.2/16

Left Out: 3631.182 +/- 1.280 χ^2/NDF : 171357.6/5

Right Out: 3521.513 +/- 0.941 χ^2/NDF : 295082.3/19

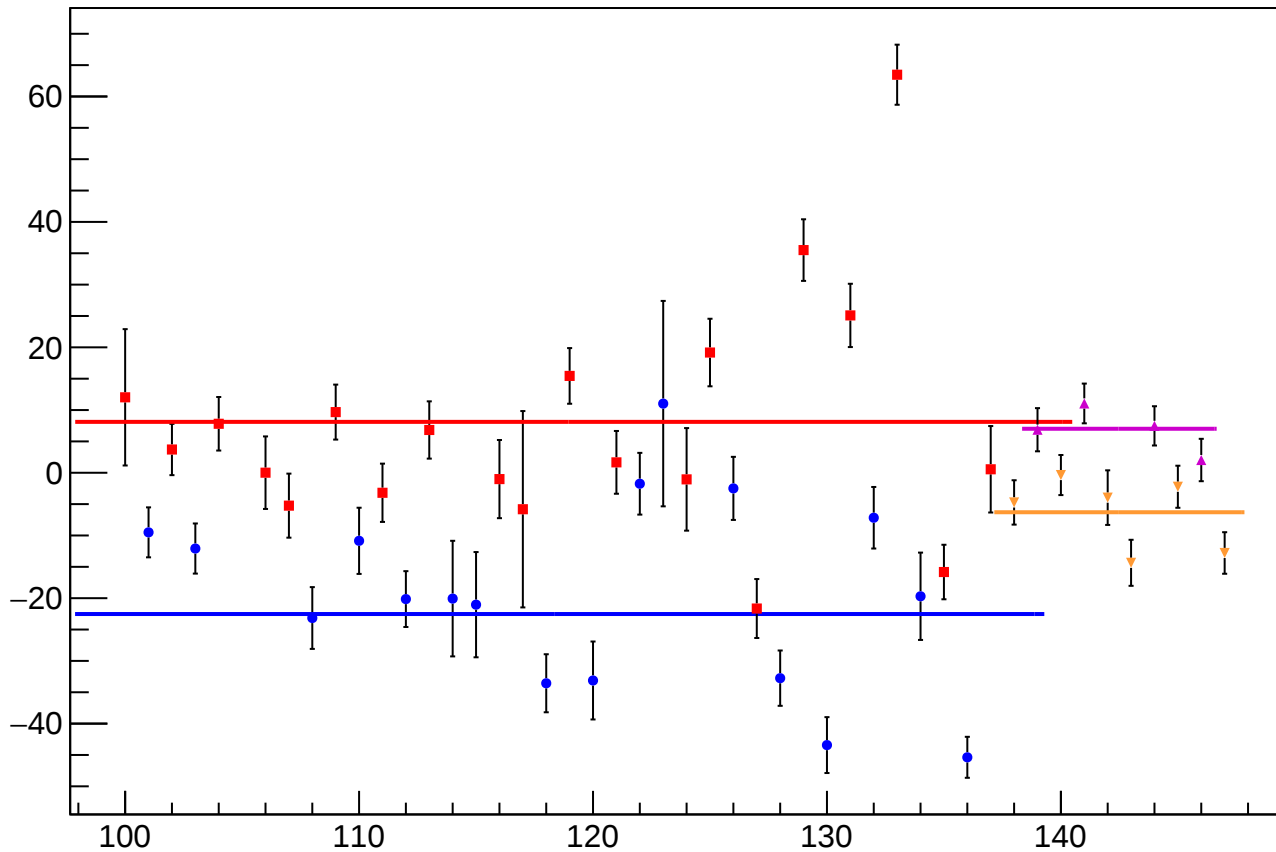
Left In: 3835.958 +/- 1.523 χ^2/NDF : 56347.8/3

3593.256 +/- 0.784 χ^2/NDF : 482461.9/22

3600.637 +/- 0.560 χ^2/NDF : 864913.8/46

3608.331 +/- 0.800 χ^2/NDF : 382271.0/23

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 $\pm$ 1.201 χ^2/NDF : 155.5/16

Left Out: -6.296 $\pm$ 1.436 χ^2/NDF : 14.1/5

Right Out: 8.116 $\pm$ 1.154 χ^2/NDF : 276.6/19

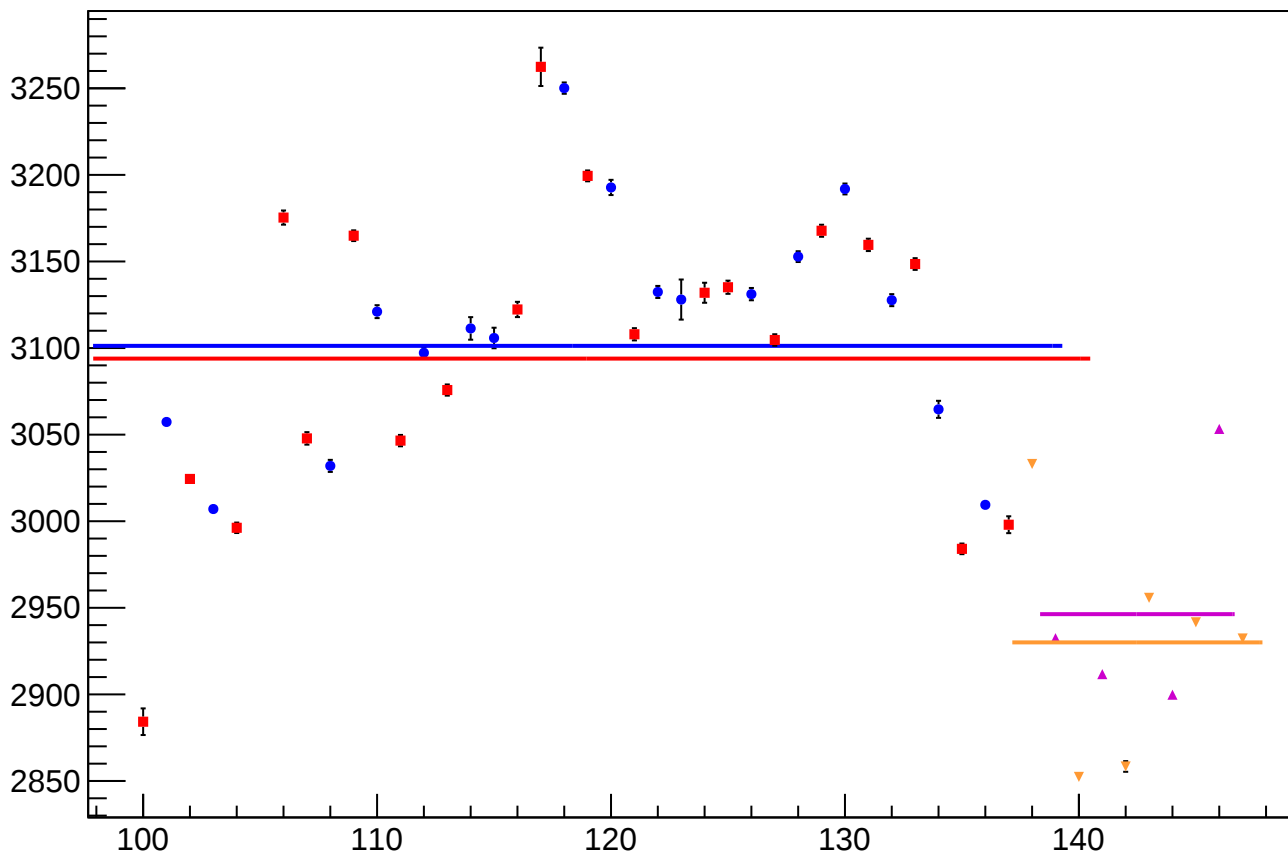
Left In: 7.016 $\pm$ 1.636 χ^2/NDF : 3.8/3

-15.850 $\pm$ 0.921 χ^2/NDF : 244.7/22

-4.325 $\pm$ 0.659 χ^2/NDF : 846.1/46

7.750 $\pm$ 0.943 χ^2/NDF : 280.8/23

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 $\pm$ 0.849 χ^2/NDF : 7233.8/16

Left Out: 2930.029 $\pm$ 1.016 χ^2/NDF : 3543.0/5

Right Out: 3093.913 $\pm$ 0.816 χ^2/NDF : 7998.9/19

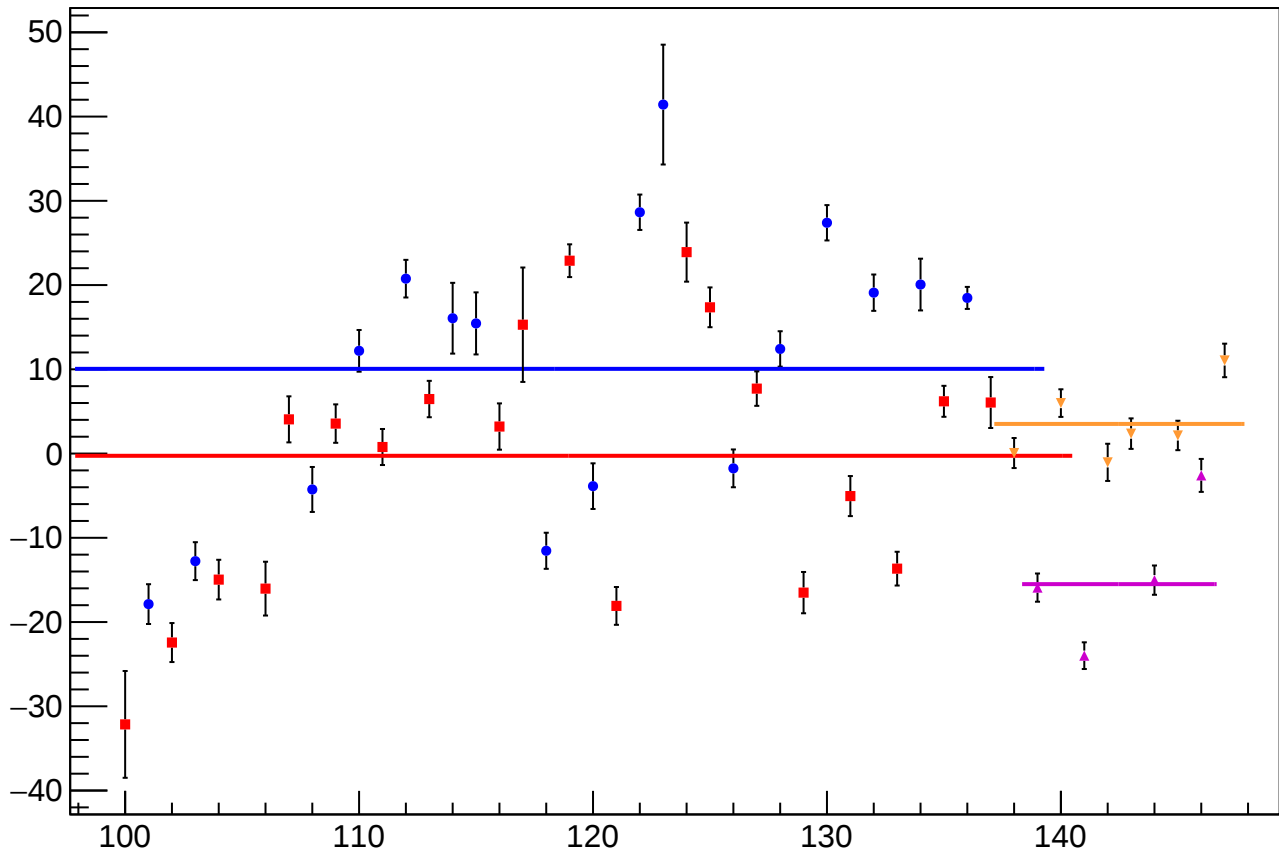
Left In: 2946.339 $\pm$ 1.157 χ^2/NDF : 2717.2/3

3030.830 $\pm$ 0.651 χ^2/NDF : 27515.3/22

3037.699 $\pm$ 0.466 χ^2/NDF : 49327.5/46

3044.897 $\pm$ 0.667 χ^2/NDF : 21584.5/23

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 $\pm$ 0.562 χ^2/NDF : 692.2/16

Left Out: 3.517 $\pm$ 0.750 χ^2/NDF : 25.6/5

Right Out: -0.266 $\pm$ 0.545 χ^2/NDF : 635.1/19

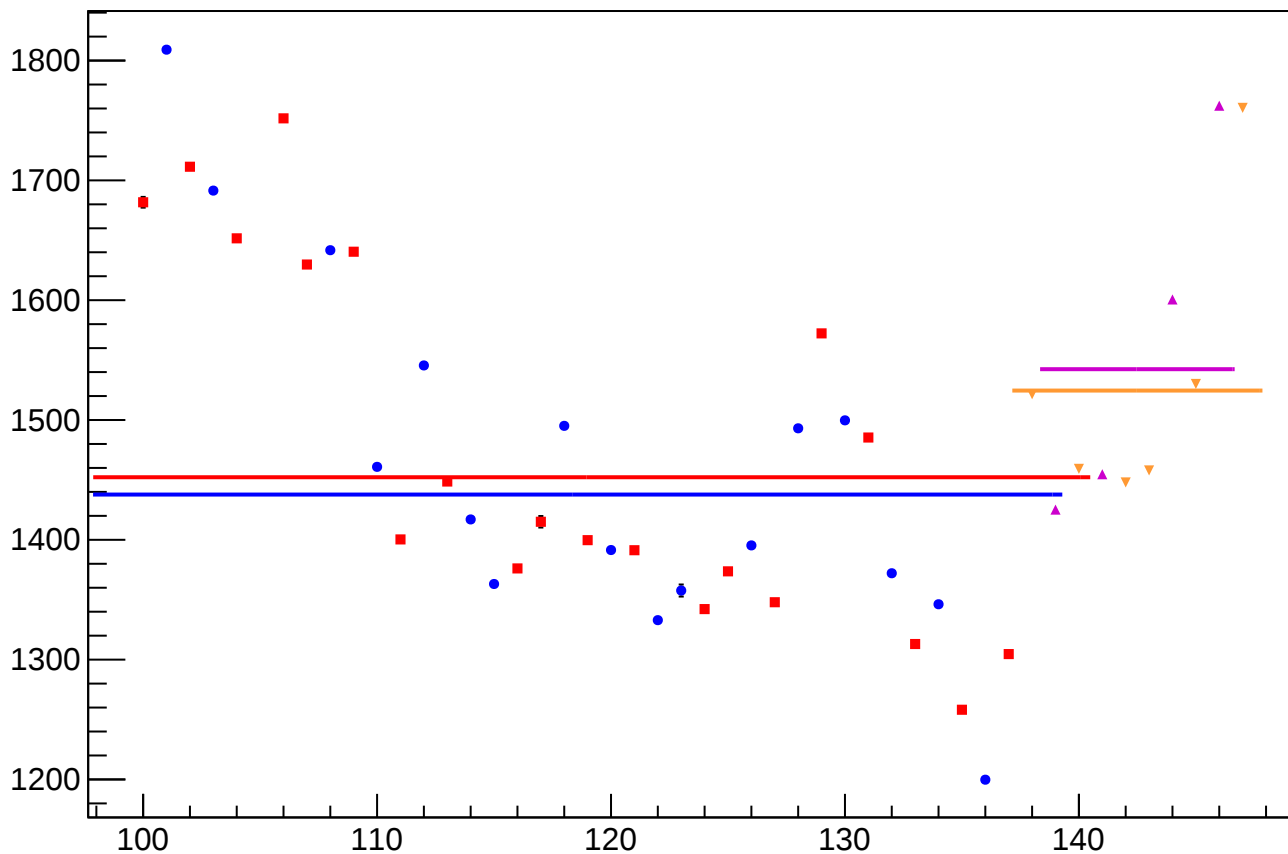
Left In: -15.500 $\pm$ 0.862 χ^2/NDF : 72.4/3

7.707 $\pm$ 0.450 χ^2/NDF : 766.5/22

1.693 $\pm$ 0.322 χ^2/NDF : 2064.1/46

-4.623 $\pm$ 0.461 χ^2/NDF : 930.7/23

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 ± 0.397 $\chi^2/\text{NDF}: 173216.2/16$

Left Out: 1524.573 ± 0.531 $\chi^2/\text{NDF}: 36416.6/5$

Right Out: 1452.227 ± 0.386 $\chi^2/\text{NDF}: 138666.1/19$

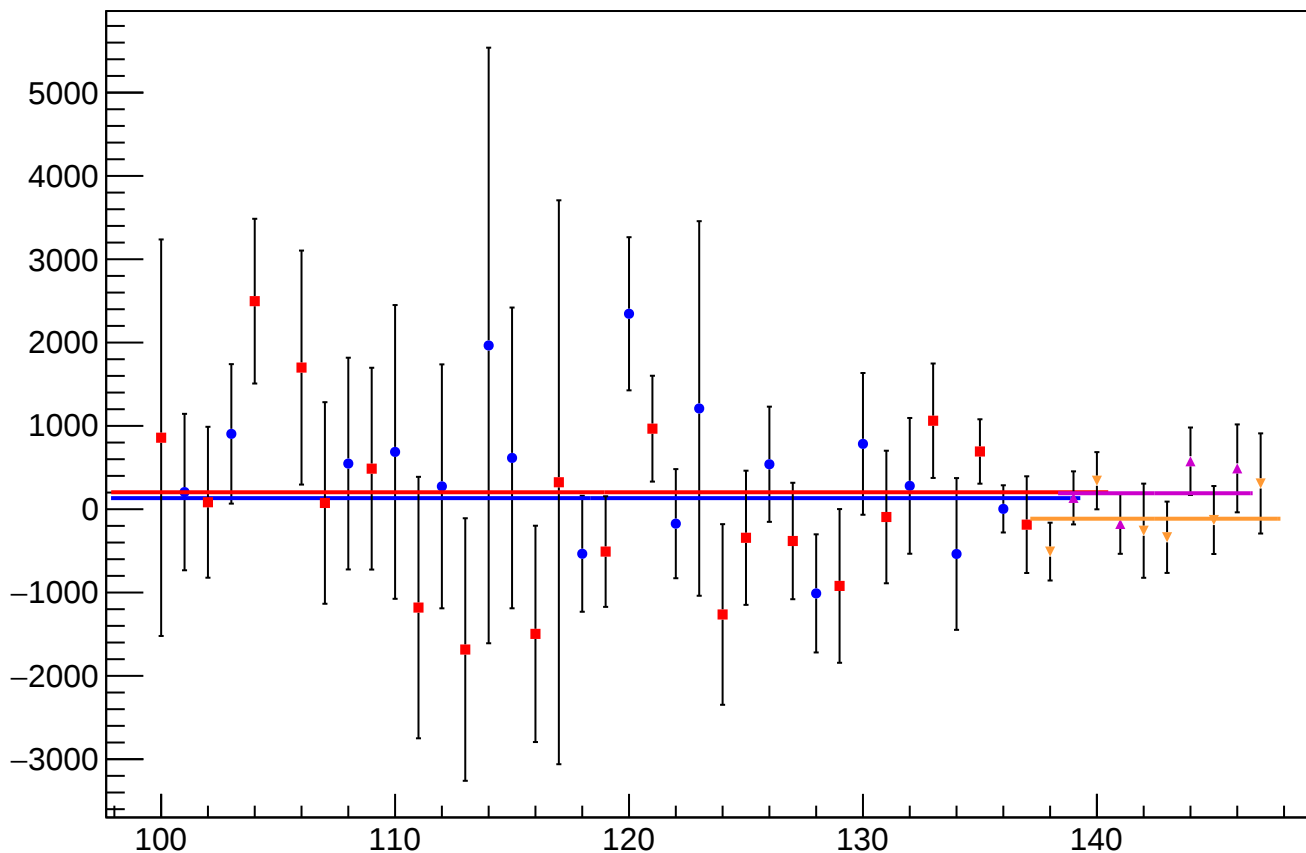
Left In: 1542.414 ± 0.609 $\chi^2/\text{NDF}: 43434.6/3$

1468.948 ± 0.318 $\chi^2/\text{NDF}: 226787.0/22$

1473.373 ± 0.228 $\chi^2/\text{NDF}: 424932.1/46$

1478.019 ± 0.326 $\chi^2/\text{NDF}: 197748.1/23$

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -113.942 $\pm$ 171.080 χ^2 /NDF: 3.9/5

Right Out: 203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

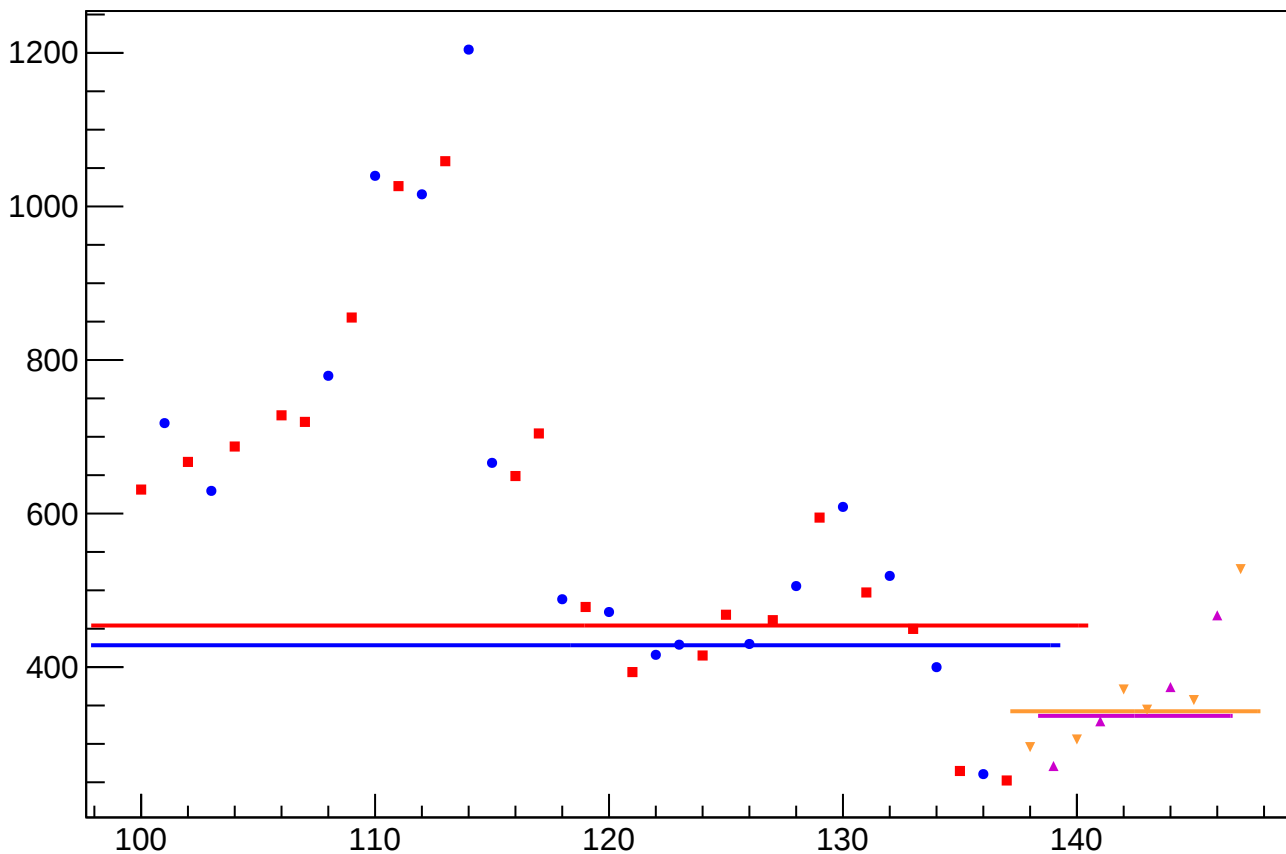
Left In: 191.655 $\pm$ 191.330 χ^2 /NDF: 2.3/3

3.037 $\pm$ 124.094 χ^2 /NDF: 17.8/22

93.916 $\pm$ 90.623 χ^2 /NDF: 42.6/46

197.764 $\pm$ 132.653 χ^2 /NDF: 23.7/23

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 342.492 $\pm$ 0.121 χ^2 /NDF: 256572.4/5

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

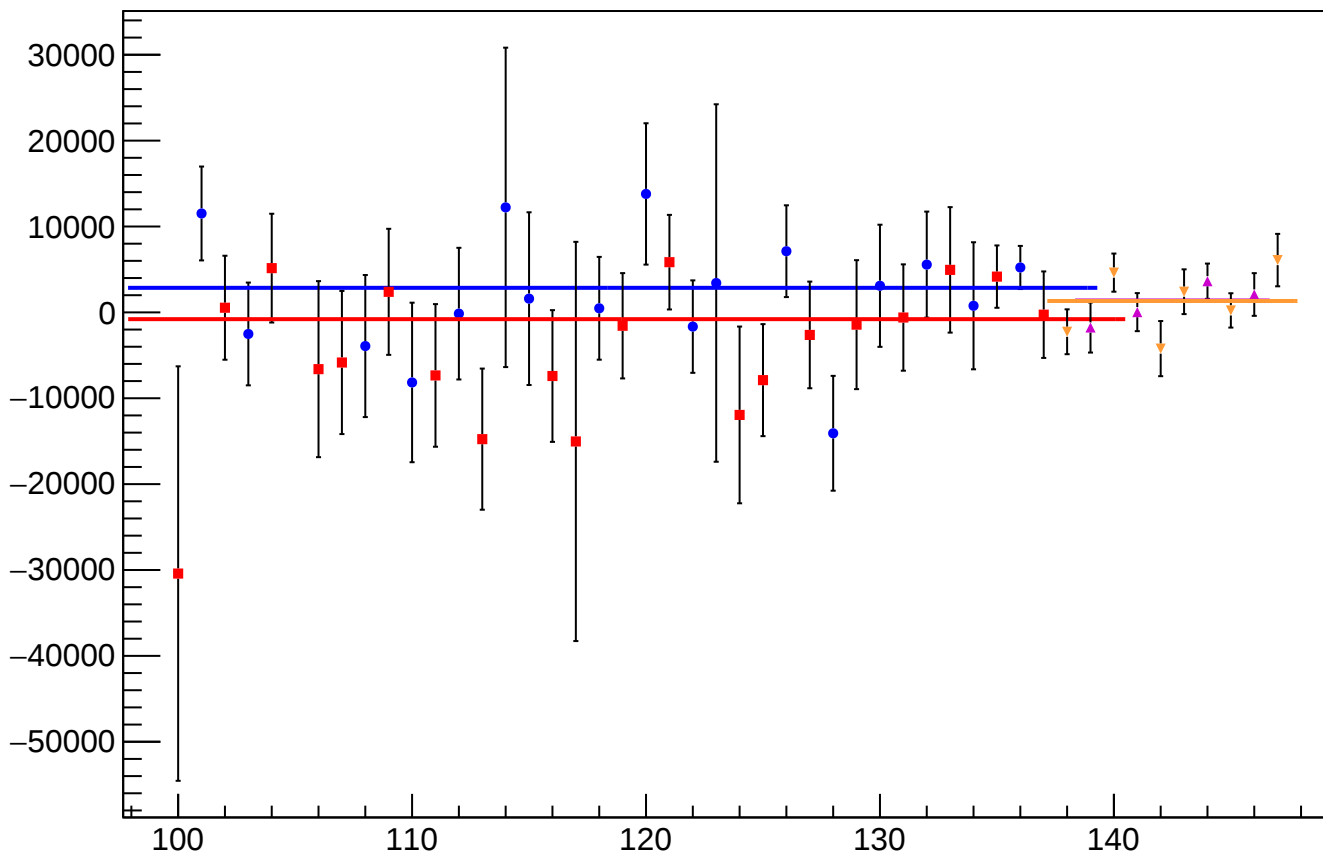
Left In: 336.512 $\pm$ 0.135 χ^2 /NDF: 225249.8/3

383.229 $\pm$ 0.088 χ^2 /NDF: 2507334.0/22

389.944 $\pm$ 0.064 χ^2 /NDF: 5178715.6/46

397.616 $\pm$ 0.094 χ^2 /NDF: 2658834.7/23

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1328.361 $\pm$ 1025.257 χ^2 /NDF:10.0/5

Right Out: -789.608 $\pm$ 1506.053 χ^2 /NDF: 14.4/19

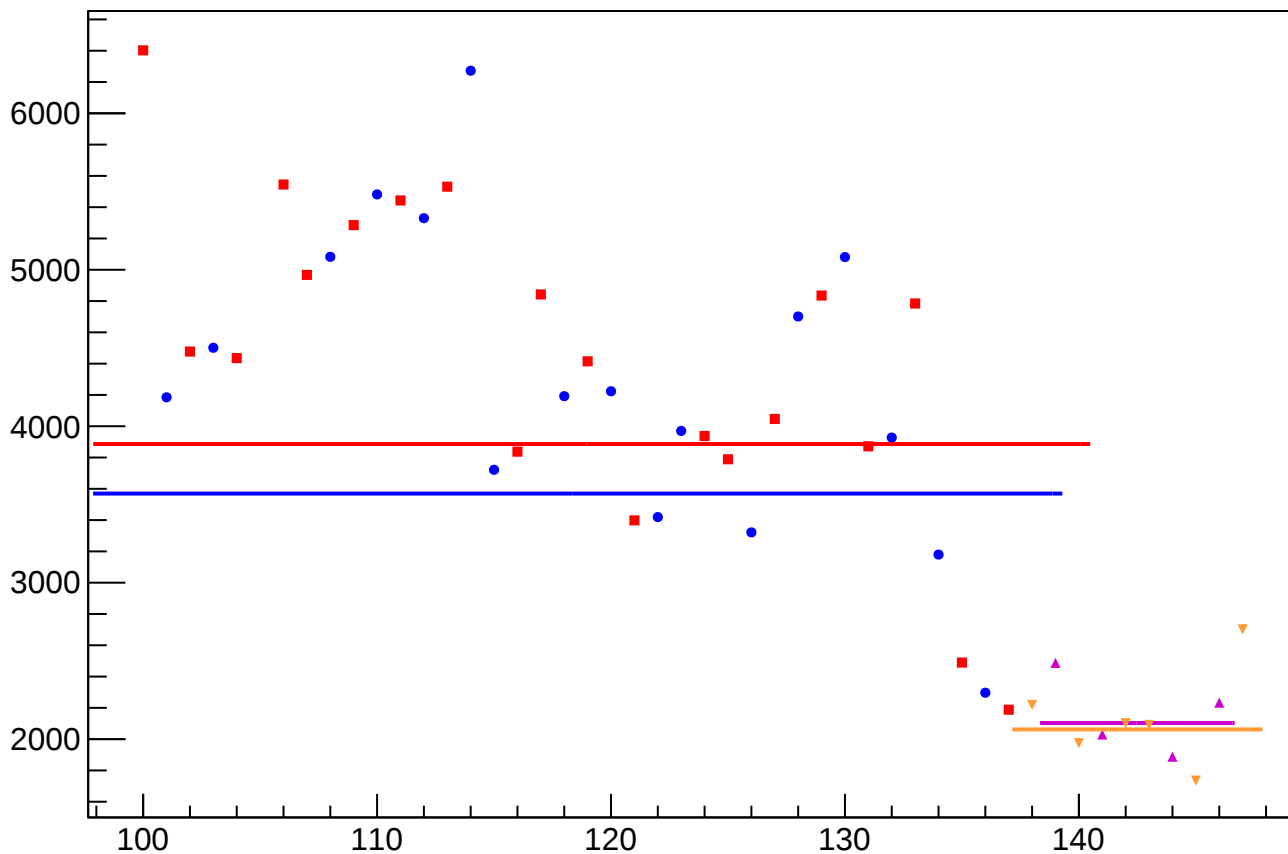
Left In: 1384.948 $\pm$ 1178.614 χ^2 /NDF:2.8/3

1839.744 $\pm$ 836.724 χ^2 /NDF: 27.4/22

1265.560 $\pm$ 621.477 χ^2 /NDF: 46.9/46

559.005 $\pm$ 928.175 χ^2 /NDF: 18.5/23

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2/NDF : 1087935.4/16

Left Out: 2062.105 $\pm$ 0.725 χ^2/NDF : 152117.8/5

Right Out: 3886.199 $\pm$ 1.065 χ^2/NDF : 986485.7/19

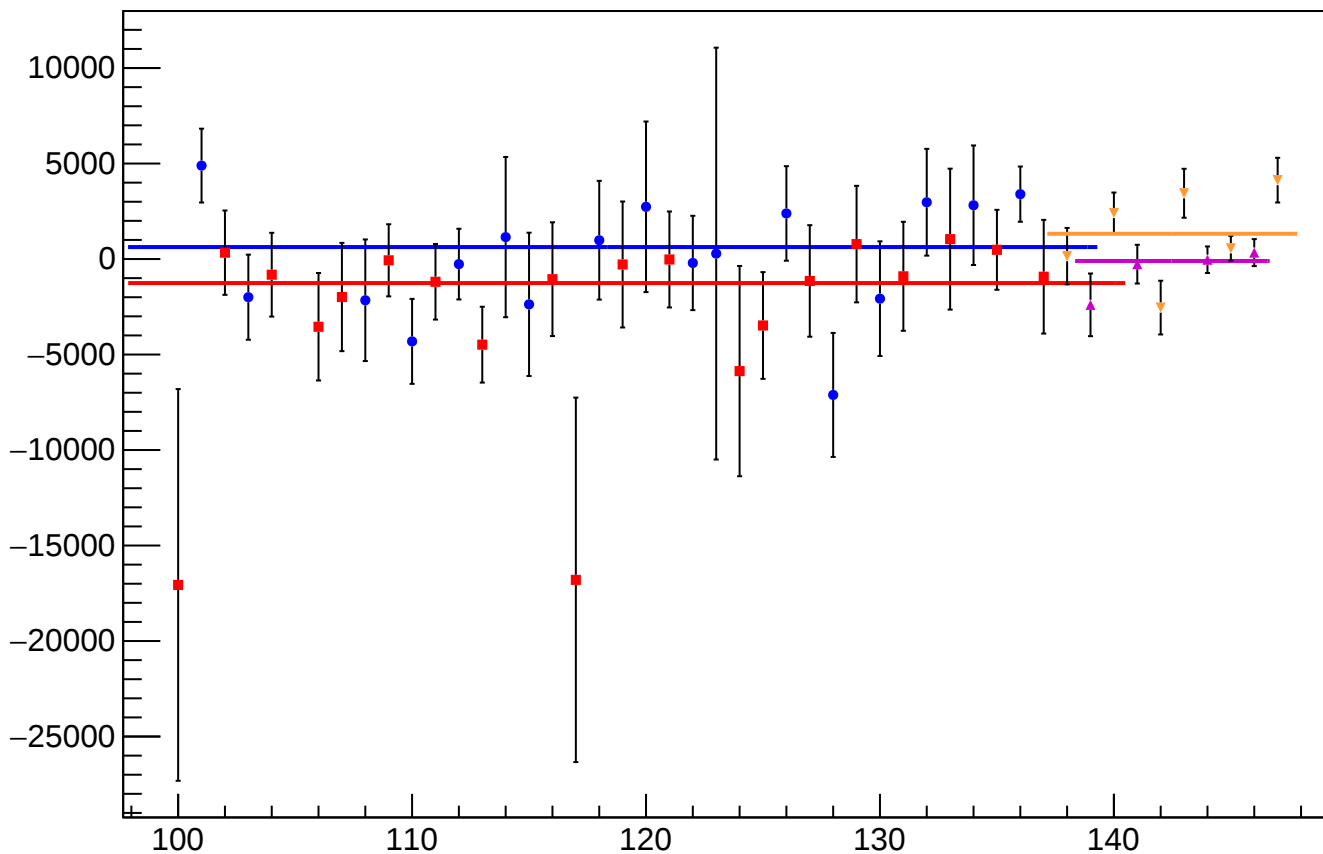
Left In: 2103.365 $\pm$ 0.833 χ^2/NDF : 64289.3/3

2565.562 $\pm$ 0.592 χ^2/NDF : 2684133.5/22

2661.934 $\pm$ 0.439 χ^2/NDF : 5532243.5/46

2780.524 $\pm$ 0.656 χ^2/NDF : 2788929.4/23

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1323.256 ± 424.912 χ^2/NDF : 19.1/5

Right Out: -1257.467 ± 601.857 χ^2/NDF : 12.6/19

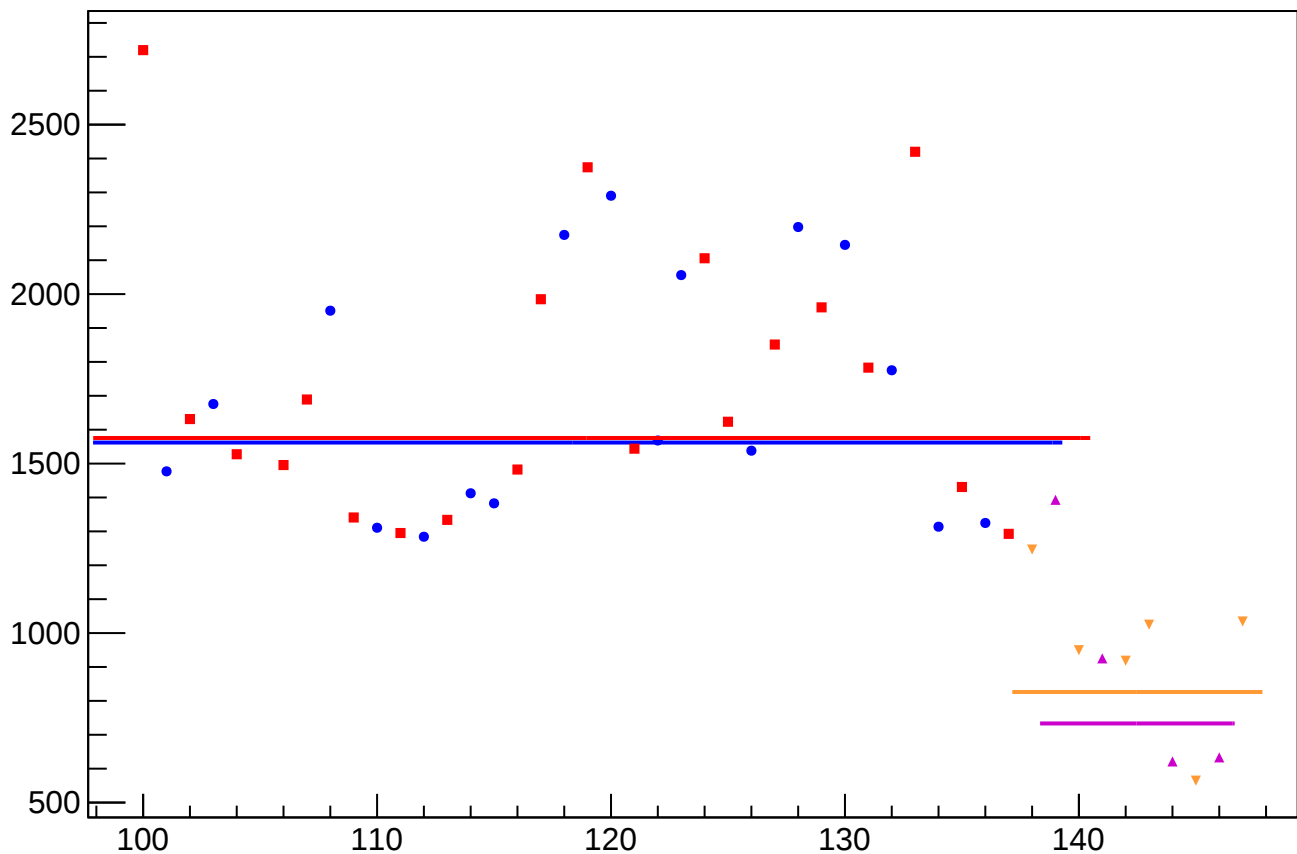
Left In: -101.980 ± 429.820 χ^2/NDF : 2.4/3

1101.405 ± 350.666 χ^2/NDF : 45.0/22

302.561 ± 247.644 χ^2/NDF : 72.8/46

-492.254 ± 349.780 χ^2/NDF : 17.4/23

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2/NDF : 482088.3/16

Left Out: 826.222 $\pm$ 0.300 χ^2/NDF : 631290.6/5

Right Out: 1575.541 $\pm$ 0.426 χ^2/NDF : 467687.2/19

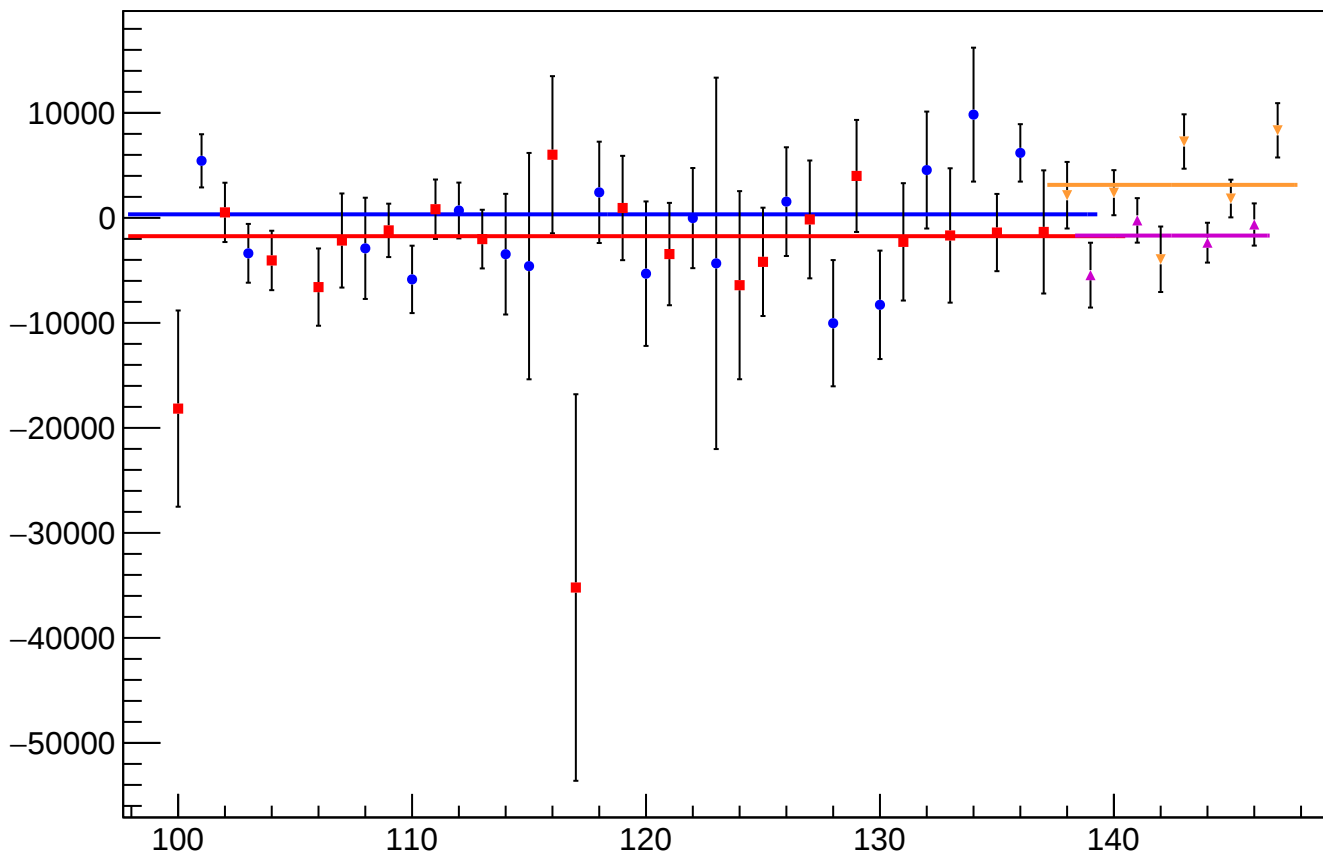
Left In: 733.364 $\pm$ 0.304 χ^2/NDF : 487203.2/3

1060.919 $\pm$ 0.248 χ^2/NDF : 3026524.7/22

1039.313 $\pm$ 0.175 χ^2/NDF : 6589955.0/46

1017.816 $\pm$ 0.247 χ^2/NDF : 3548282.8/23

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117+/-995.842 χ^2/NDF : 24.8/16

Left Out: 3143.535+/-986.214 χ^2/NDF :12.5/5

Right Out: -1742.470+/-923.289 χ^2/NDF : 13.6/19

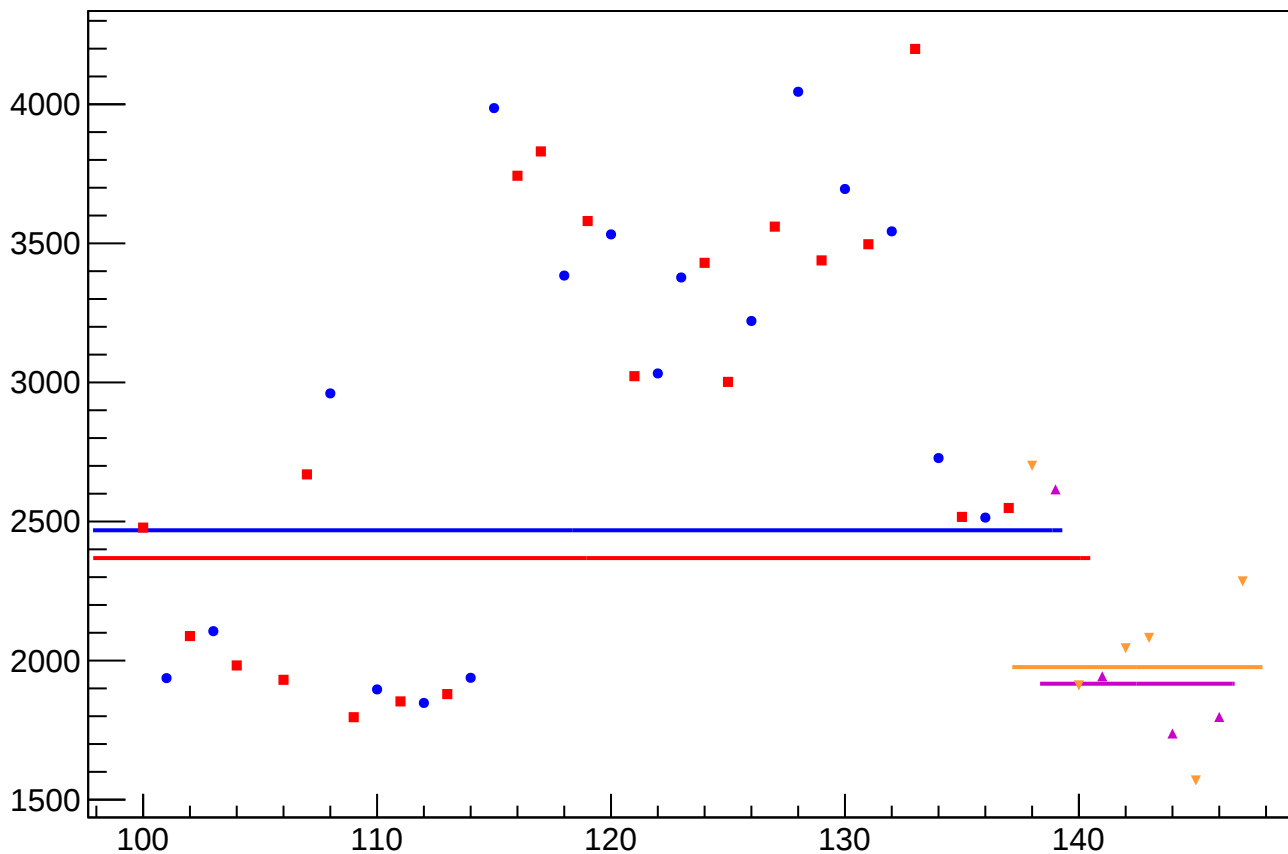
Left In: -1684.774+/-1082.848 χ^2/NDF :2.4/3

1754.453+/-700.738 χ^2/NDF : 41.3/22

22.673+/-496.143 χ^2/NDF : 69.4/46

-1718.182+/-702.571 χ^2/NDF : 15.9/23

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 1976.569+/-0.697 χ^2/NDF : 241775.3/5

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

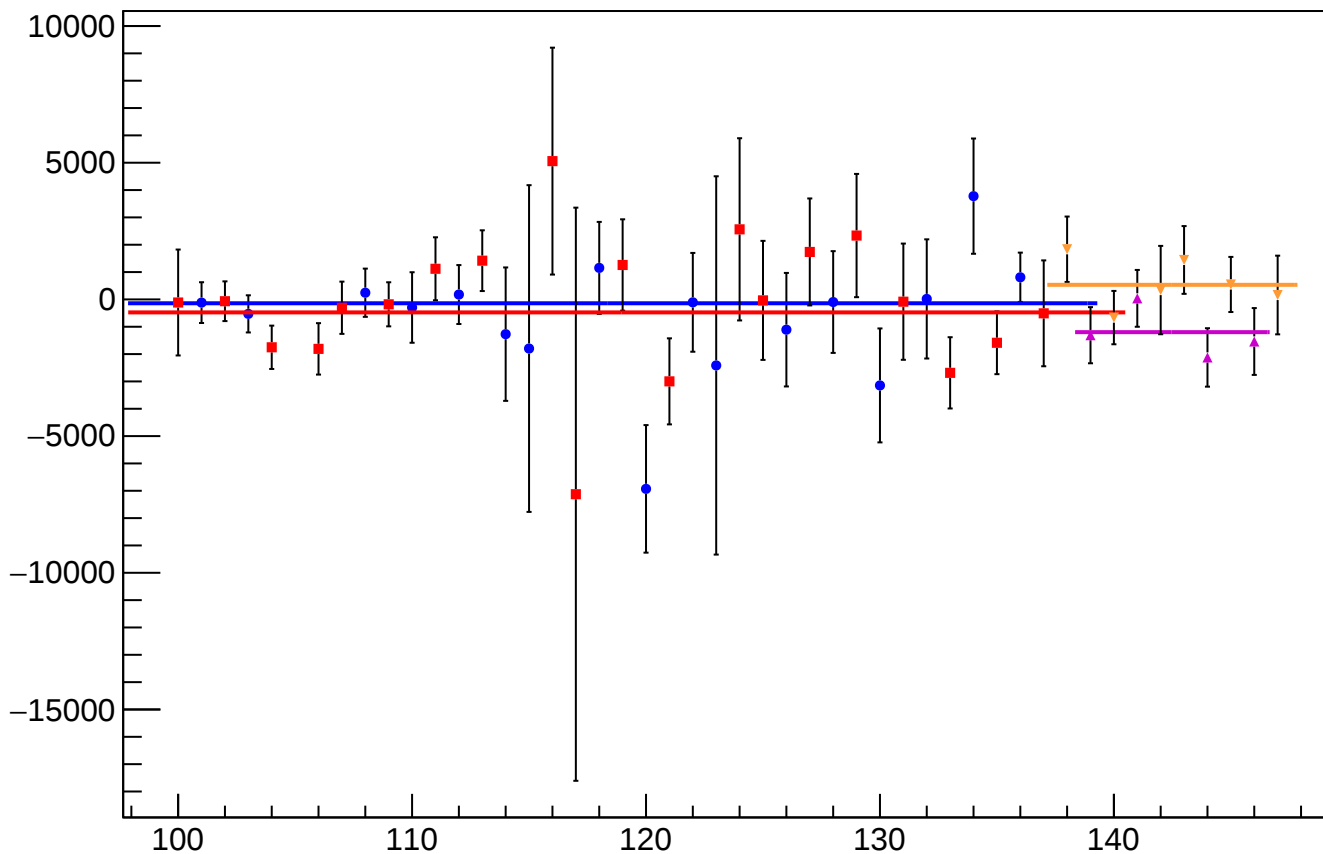
Left In: 1916.824+/-0.766 χ^2/NDF : 127596.0/3

2220.139+/-0.495 χ^2/NDF : 1384309.9/22

2199.311+/-0.351 χ^2/NDF : 2754770.7/46

2178.373+/-0.497 χ^2/NDF : 1366917.4/23

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 533.990+/-485.050 χ^2/NDF : 3.3/5

Right Out: -474.987+/-282.789 χ^2/NDF : 23.3/19

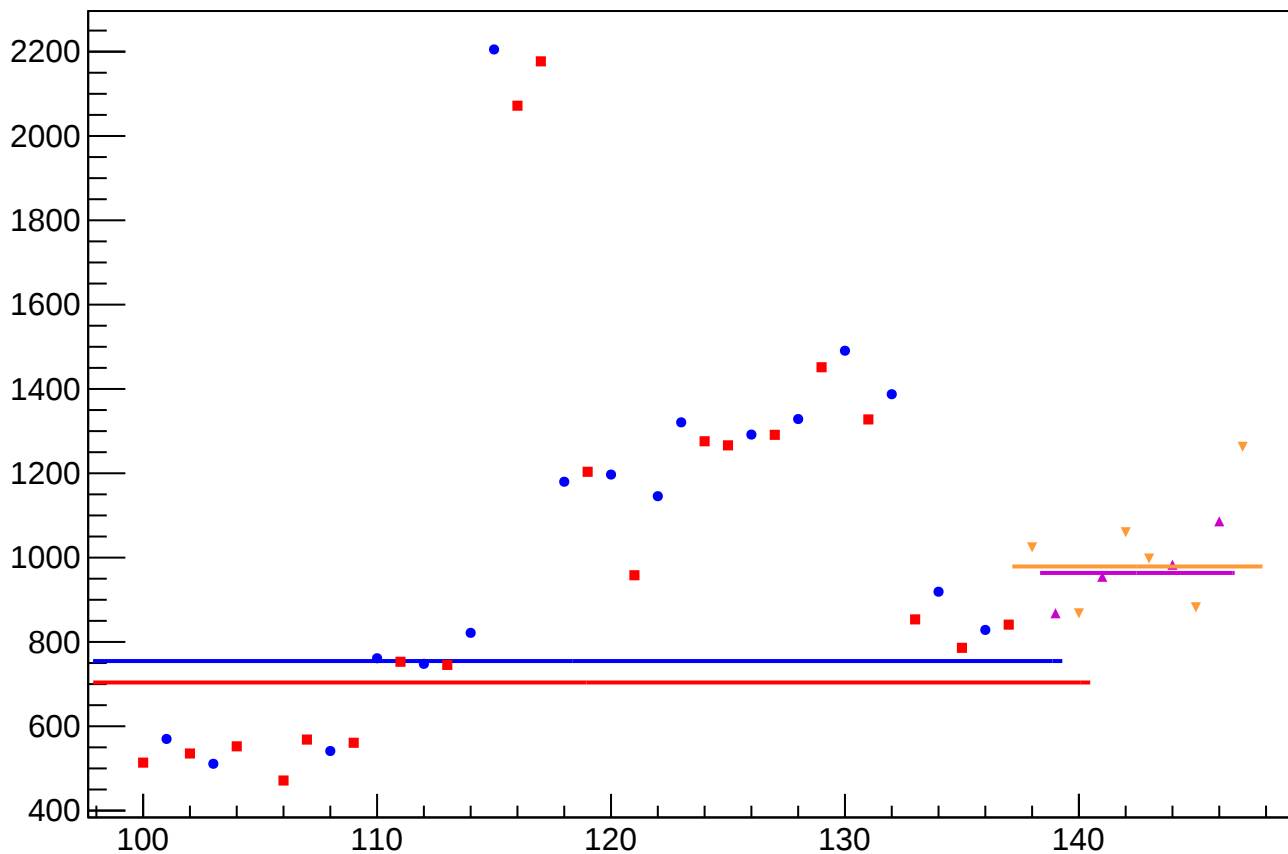
Left In: -1197.712+/-540.794 χ^2/NDF : 2.3/3

57.573+/-263.186 χ^2/NDF : 21.6/22

-303.144+/-181.486 χ^2/NDF : 52.2/46

-630.175+/-250.596 χ^2/NDF : 27.0/23

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 978.965 $\pm$ 0.343 χ^2 /NDF: 130547.5/5

Right Out: 703.794 $\pm$ 0.200 χ^2 /NDF: 1731134.6/19

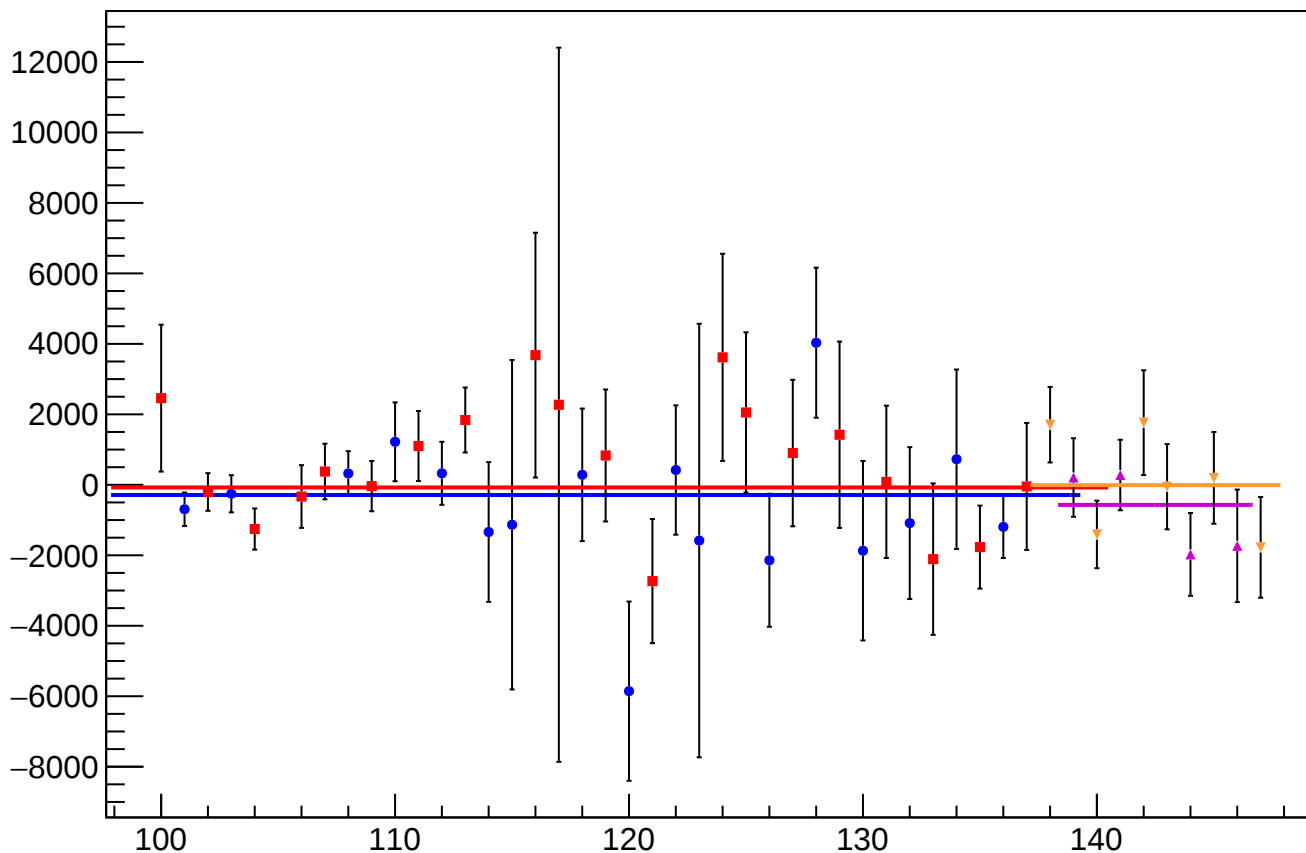
Left In: 963.622 $\pm$ 0.382 χ^2 /NDF: 38206.6/3

820.714 $\pm$ 0.186 χ^2 /NDF: 2122883.5/22

788.653 $\pm$ 0.128 χ^2 /NDF: 4311355.1/46

759.586 $\pm$ 0.177 χ^2 /NDF: 2131882.8/23

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -9.004+/-489.349 χ^2/NDF : 7.7/5

Right Out: -74.735+/-246.011 χ^2/NDF : 21.4/19

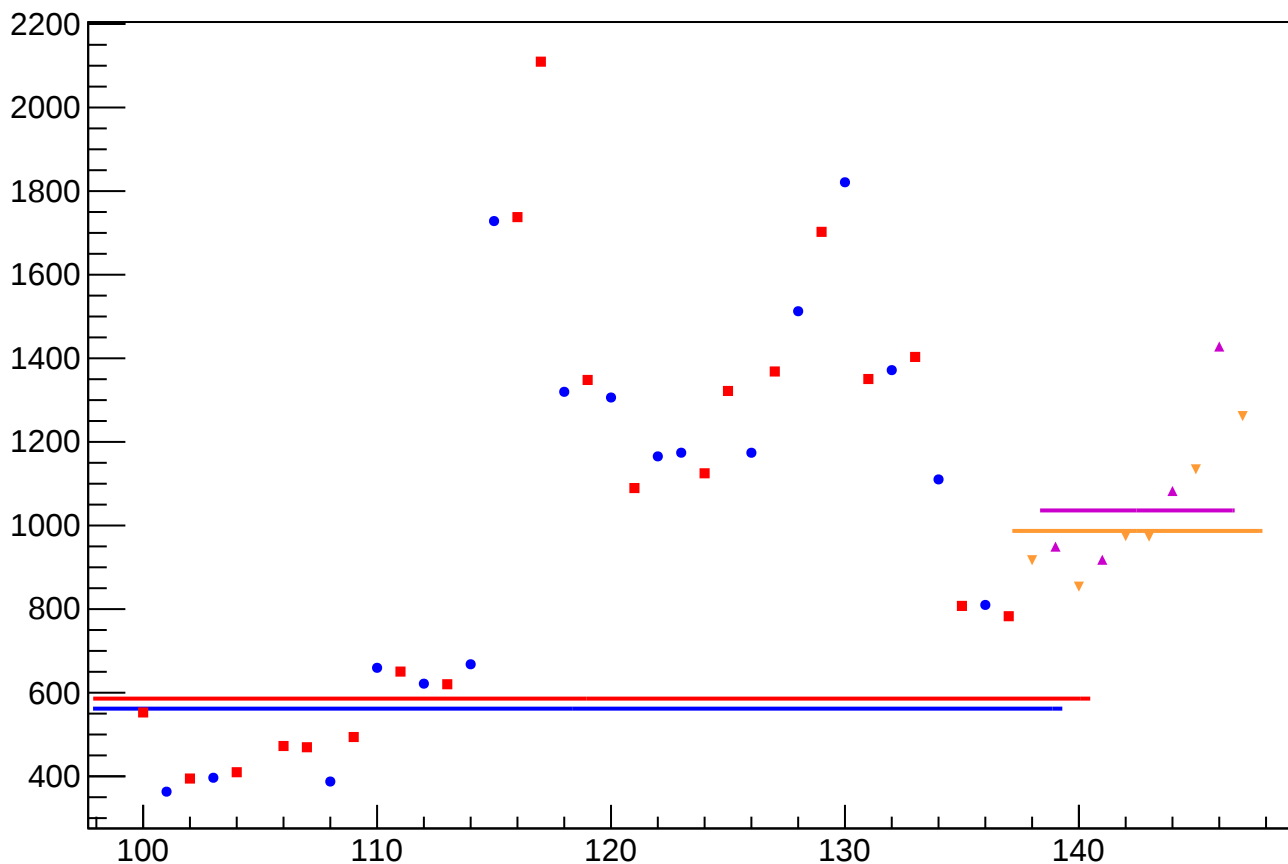
Left In: -569.439+/-585.245 χ^2/NDF : 3.2/3

-230.124+/-222.937 χ^2/NDF : 24.1/22

-190.267+/-158.984 χ^2/NDF : 49.4/46

-149.022+/-226.789 χ^2/NDF : 25.2/23

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2/NDF : 3216651.3/16

Left Out: 987.066 $\pm$ 0.346 χ^2/NDF : 147130.4/5

Right Out: 585.891 $\pm$ 0.174 χ^2/NDF : 2869692.7/19

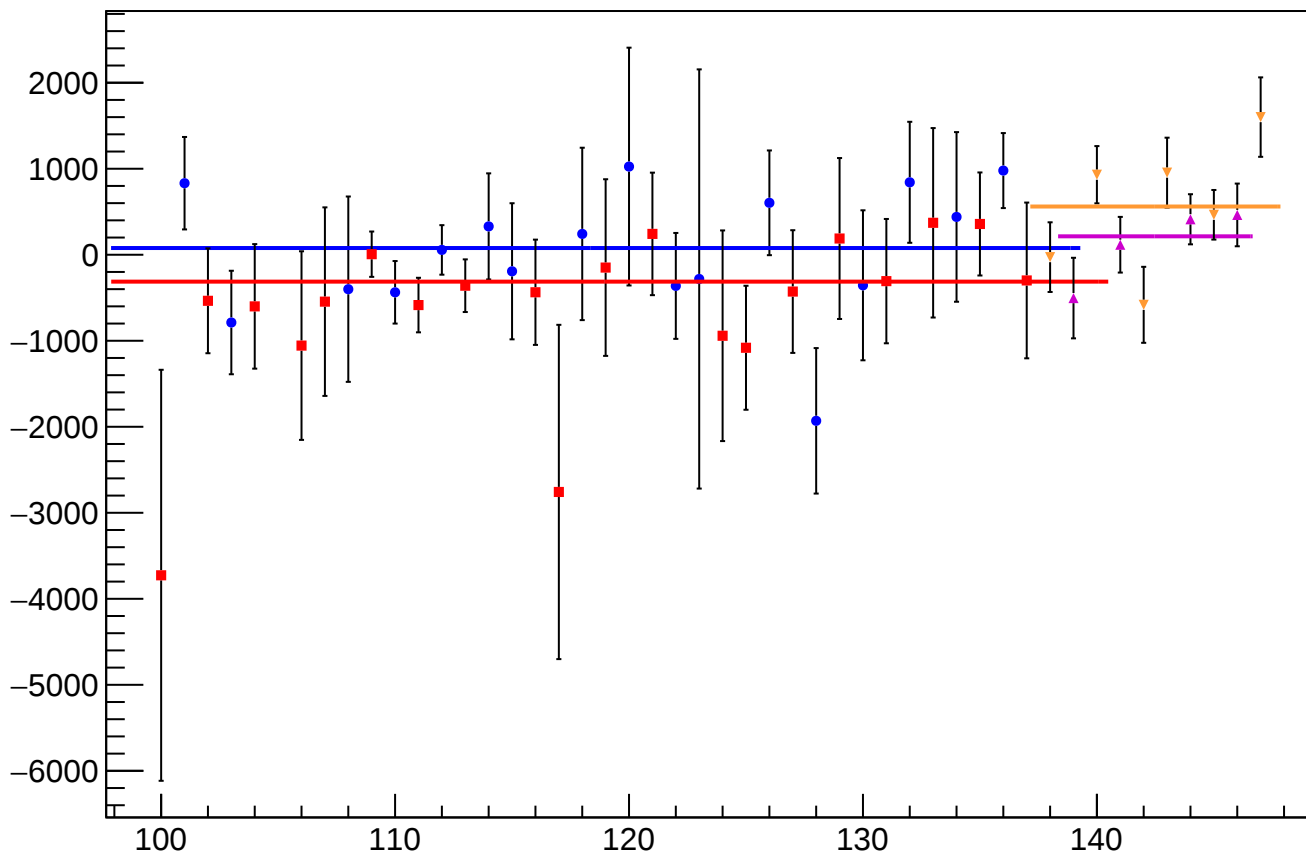
Left In: 1036.044 $\pm$ 0.414 χ^2/NDF : 163531.1/3

650.139 $\pm$ 0.158 χ^2/NDF : 4560226.5/22

651.785 $\pm$ 0.112 χ^2/NDF : 8599236.1/46

653.488 $\pm$ 0.160 χ^2/NDF : 4038787.7/23

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2/NDF : 19.8/16

Left Out: 560.752 $\pm$ 152.459 χ^2/NDF : 16.2/5

Right Out: -312.536 $\pm$ 129.362 χ^2/NDF : 10.7/19

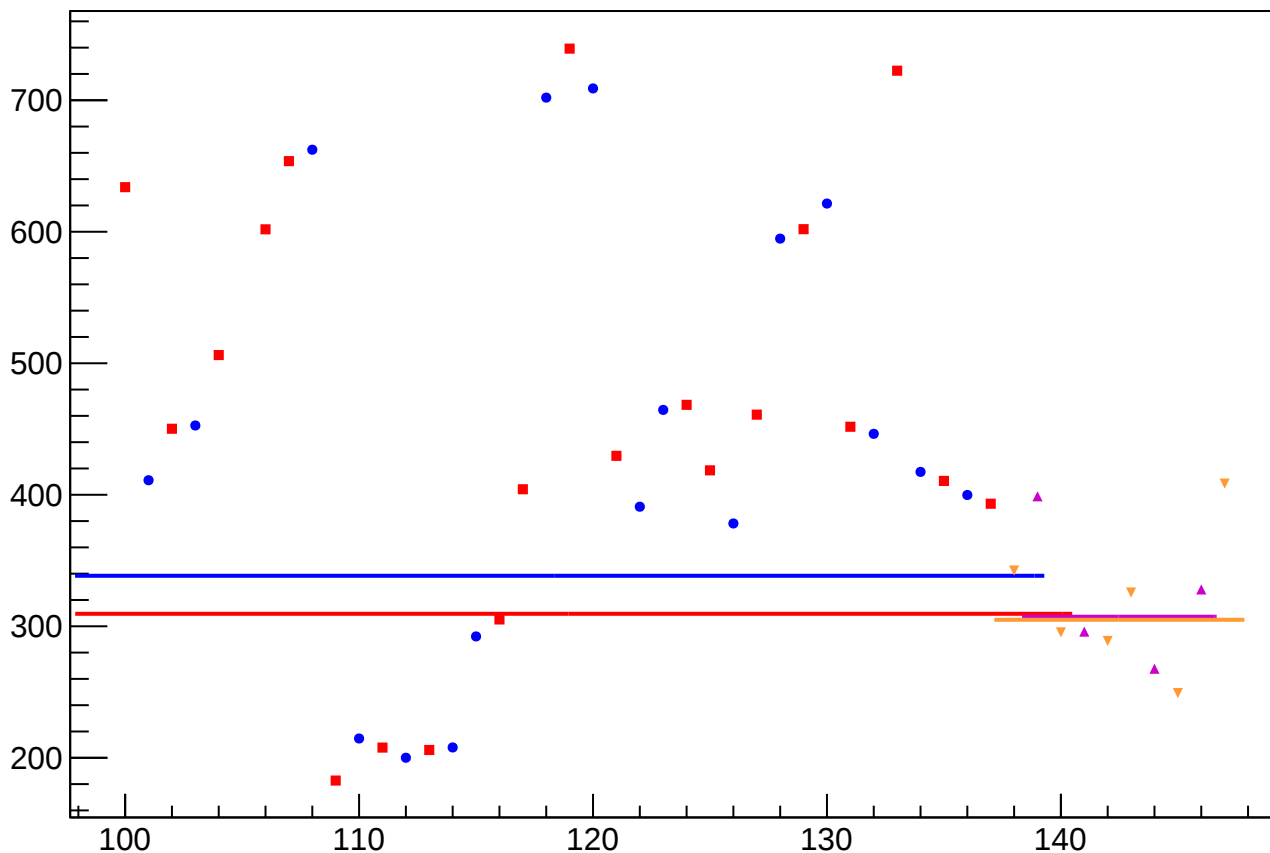
Left In: 214.241 $\pm$ 173.000 χ^2/NDF : 3.4/3

303.815 $\pm$ 104.249 χ^2/NDF : 41.3/22

88.763 $\pm$ 73.485 χ^2/NDF : 69.7/46

-123.623 $\pm$ 103.601 χ^2/NDF : 20.0/23

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 304.954 $\pm$ 0.108 χ^2 /NDF:201836.4/5

Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

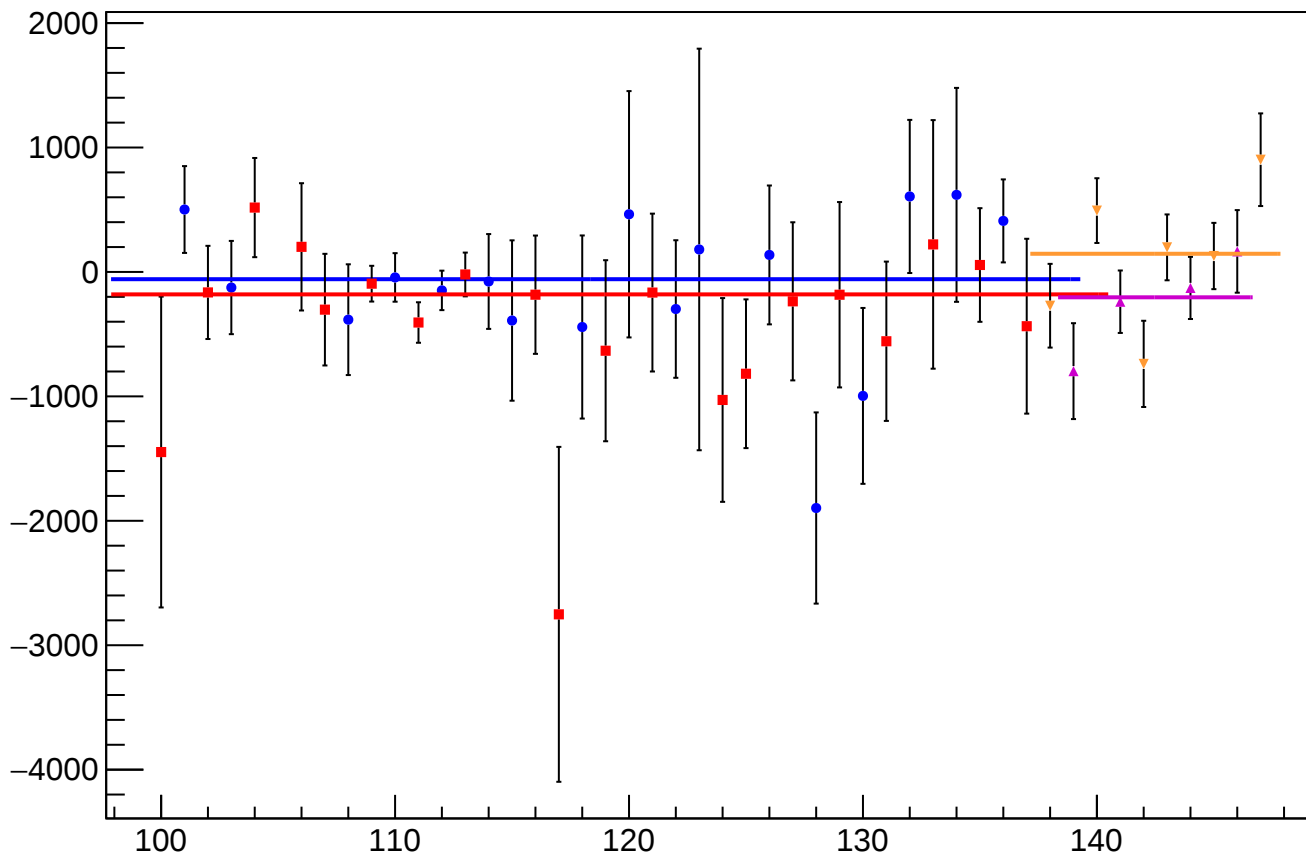
Left In: 307.265 $\pm$ 0.122 χ^2 /NDF:122230.3/3

322.766 $\pm$ 0.074 χ^2 /NDF: 2262395.2/22

315.689 $\pm$ 0.052 χ^2 /NDF: 5141394.6/46

308.700 $\pm$ 0.073 χ^2 /NDF: 2860681.1/23

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299+/-90.484 χ^2/NDF : 15.9/16

Left Out: 146.040+/-121.693 χ^2/NDF :14.0/5

Right Out: -180.354+/-76.795 χ^2/NDF : 15.0/19

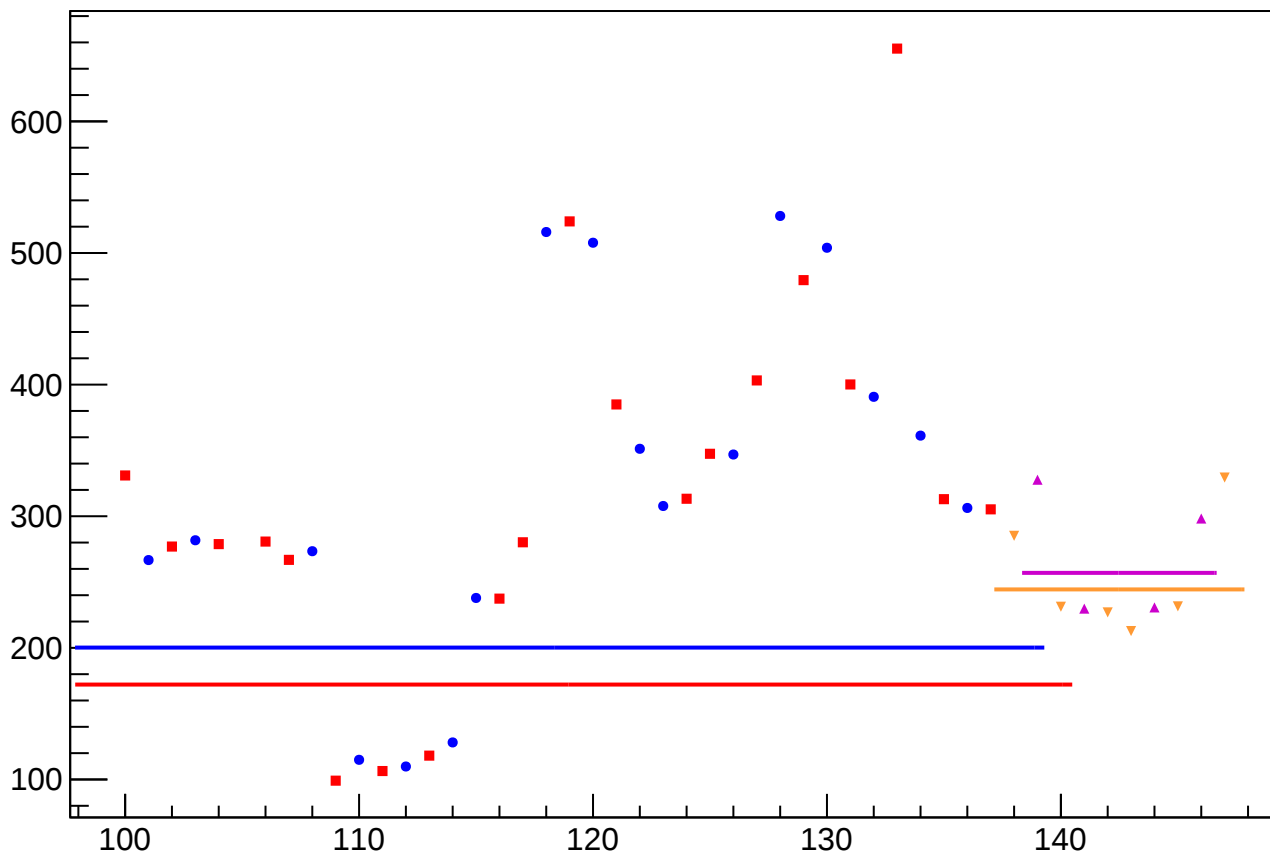
Left In: -203.896+/-144.766 χ^2/NDF :3.7/3

14.451+/-72.612 χ^2/NDF : 31.7/22

-92.322+/-49.571 χ^2/NDF : 54.5/46

-185.524+/-67.840 χ^2/NDF : 18.7/23

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2/NDF : 3387197.7/16

Left Out: 244.403 $\pm$ 0.086 χ^2/NDF : 176980.5/5

Right Out: 172.110 $\pm$ 0.054 χ^2/NDF : 4106869.2/19

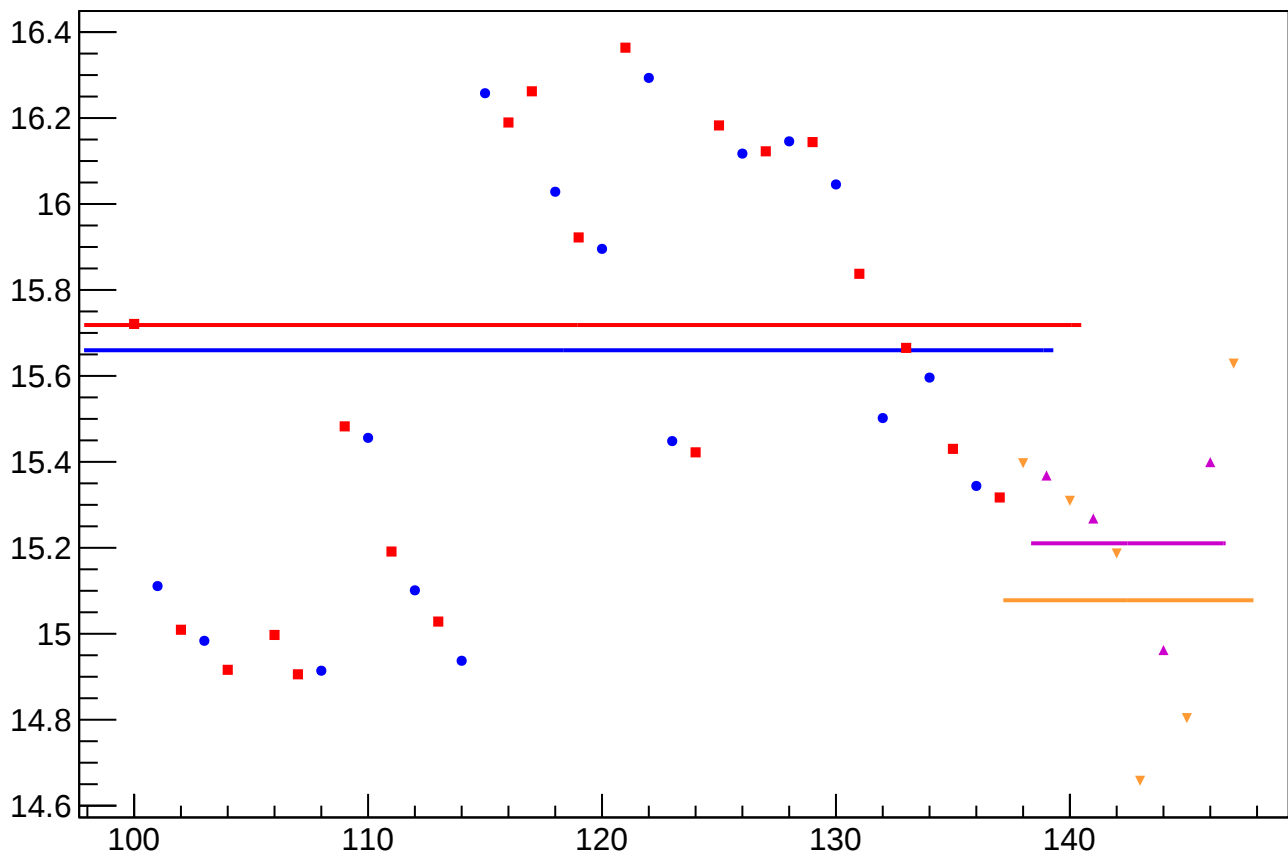
Left In: 256.974 $\pm$ 0.102 χ^2/NDF : 143940.7/3

215.943 $\pm$ 0.051 χ^2/NDF : 3734038.4/22

202.490 $\pm$ 0.035 χ^2/NDF : 8649788.1/46

190.747 $\pm$ 0.048 χ^2/NDF : 4787169.9/23

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.078 $\pm$ 0.000 χ^2 /NDF: 3766812152.2/5

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

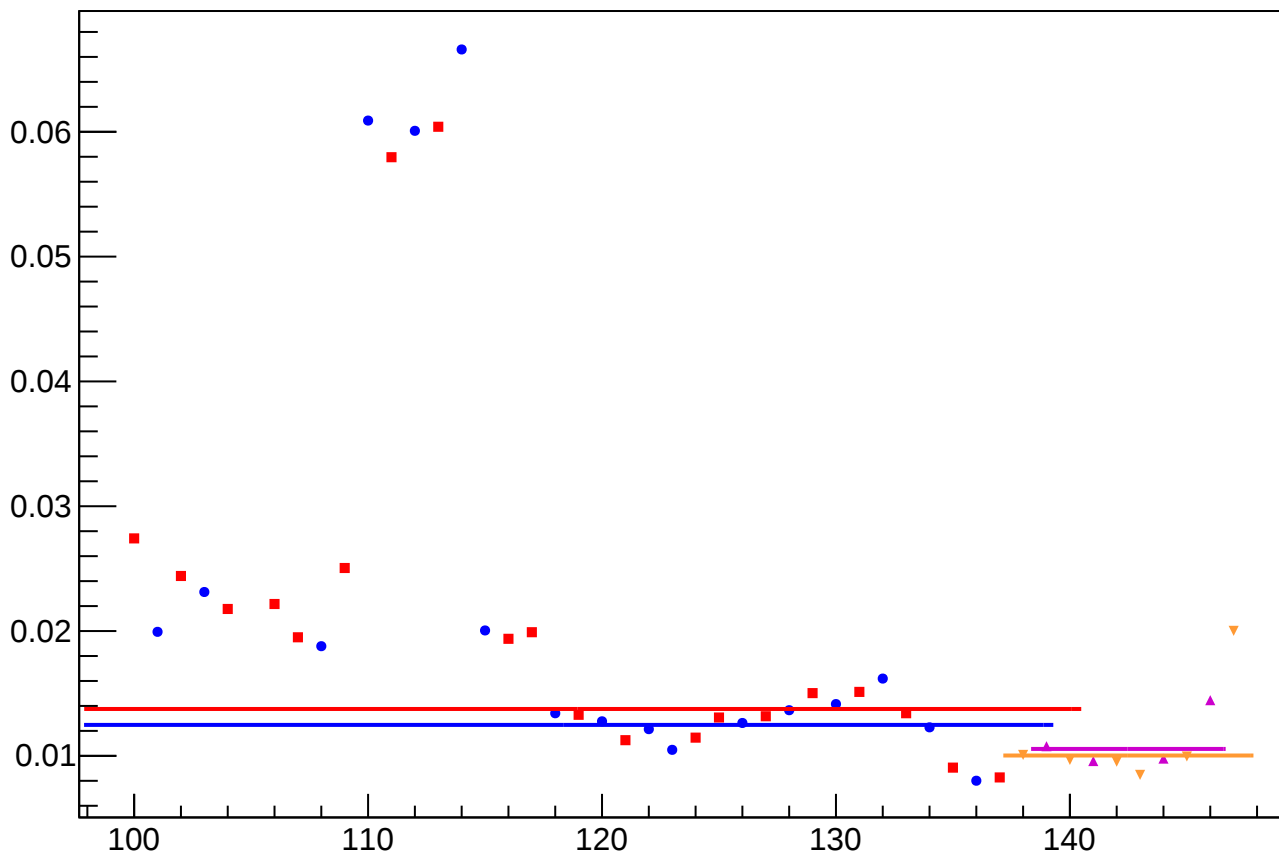
Left In: 15.210 $\pm$ 0.000 χ^2 /NDF: 831501156.9/3

15.354 $\pm$ 0.000 χ^2 /NDF: 15435944146.9/22

15.407 $\pm$ 0.000 χ^2 /NDF: 25795860361.5/

15.474 $\pm$ 0.000 χ^2 /NDF: 9910745129.3/23

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 416817.6/5

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

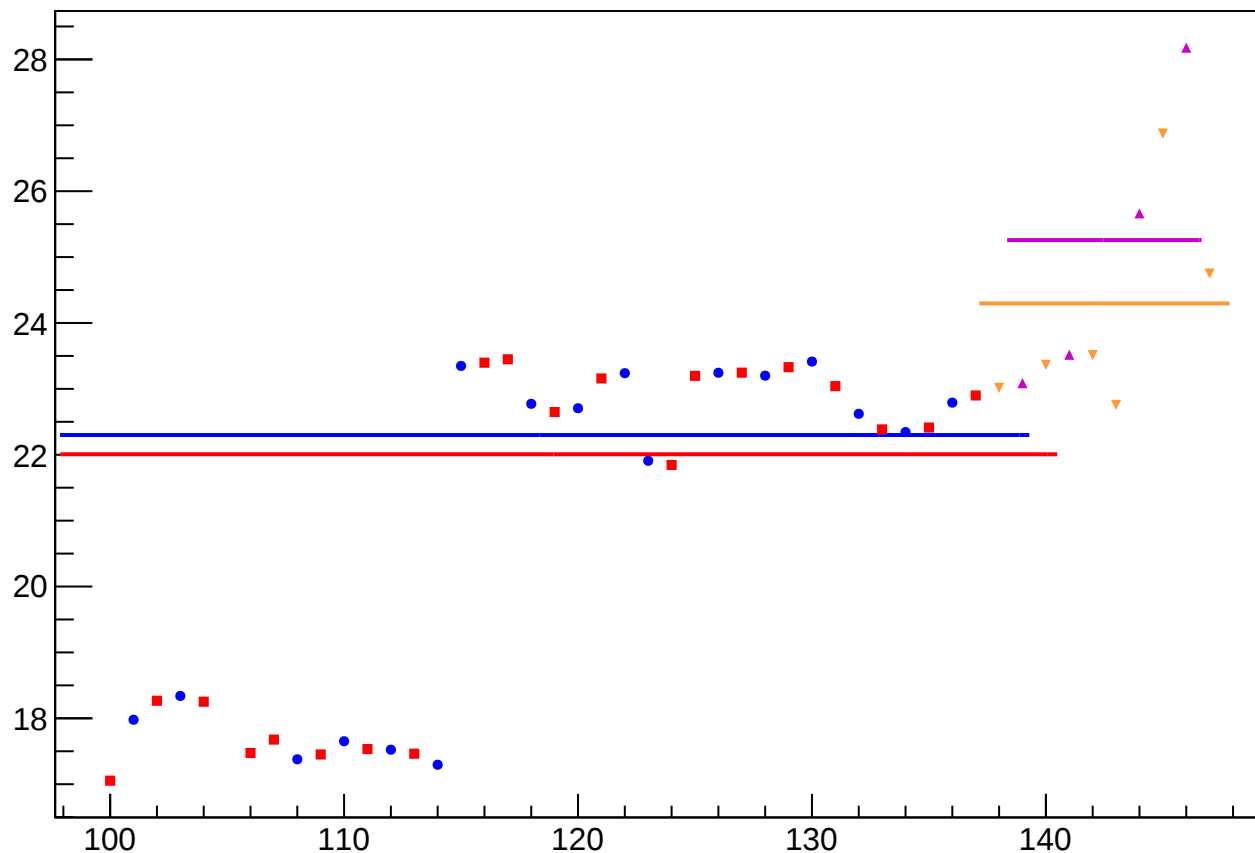
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 133944.7/3

0.011 $\pm$ 0.000 χ^2 /NDF: 2778862.1/22

0.012 $\pm$ 0.000 χ^2 /NDF: 5348253.0/46

0.012 $\pm$ 0.000 χ^2 /NDF: 2504054.4/23

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.296+/-0.000 χ^2/NDF : 786348924.2/5

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

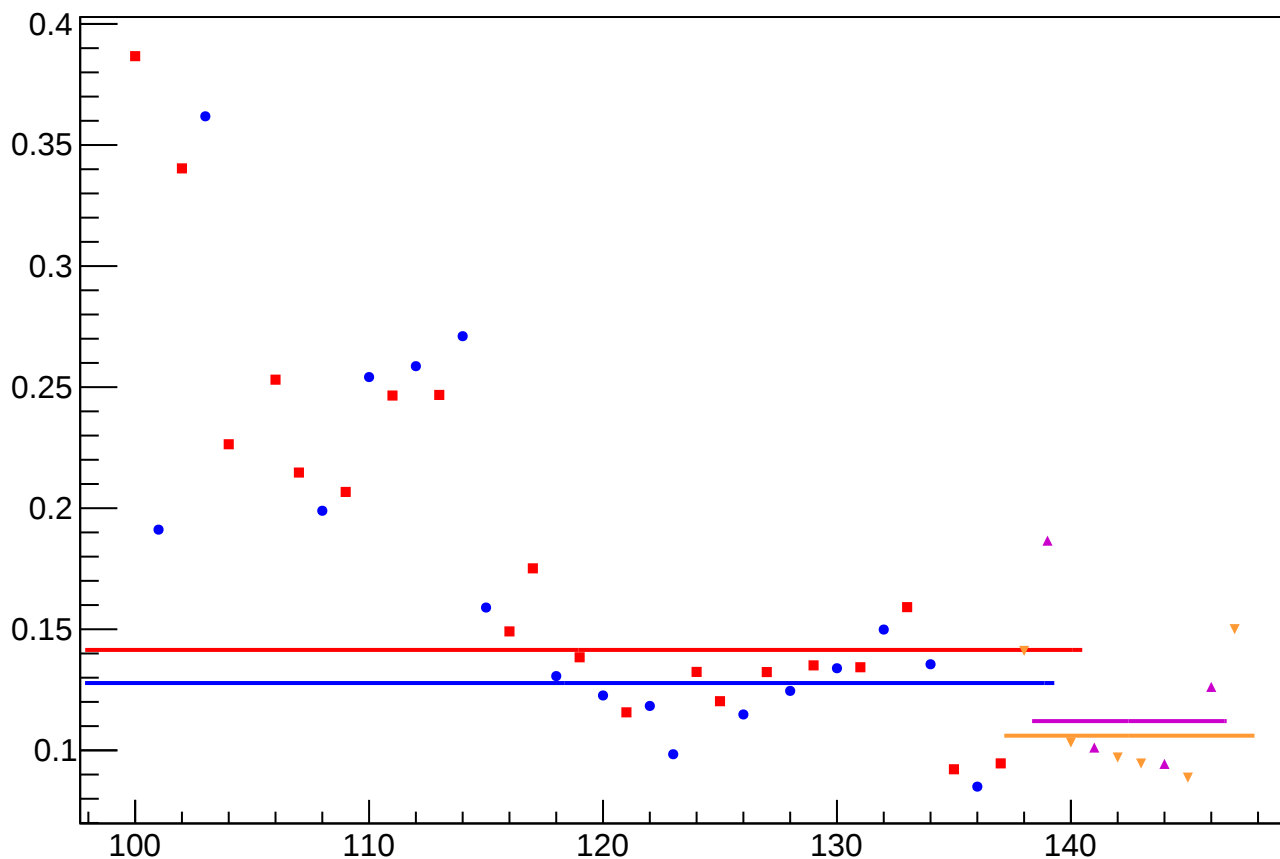
Left In: 25.258+/-0.000 χ^2/NDF : 683588822.6/3

23.272+/-0.000 χ^2/NDF : 2326167570.9/22

23.337+/-0.000 χ^2/NDF : 5352562595.5/4

23.416+/-0.000 χ^2/NDF : 3020827952.4/23

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF:269429.2/5

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1452162.4/19

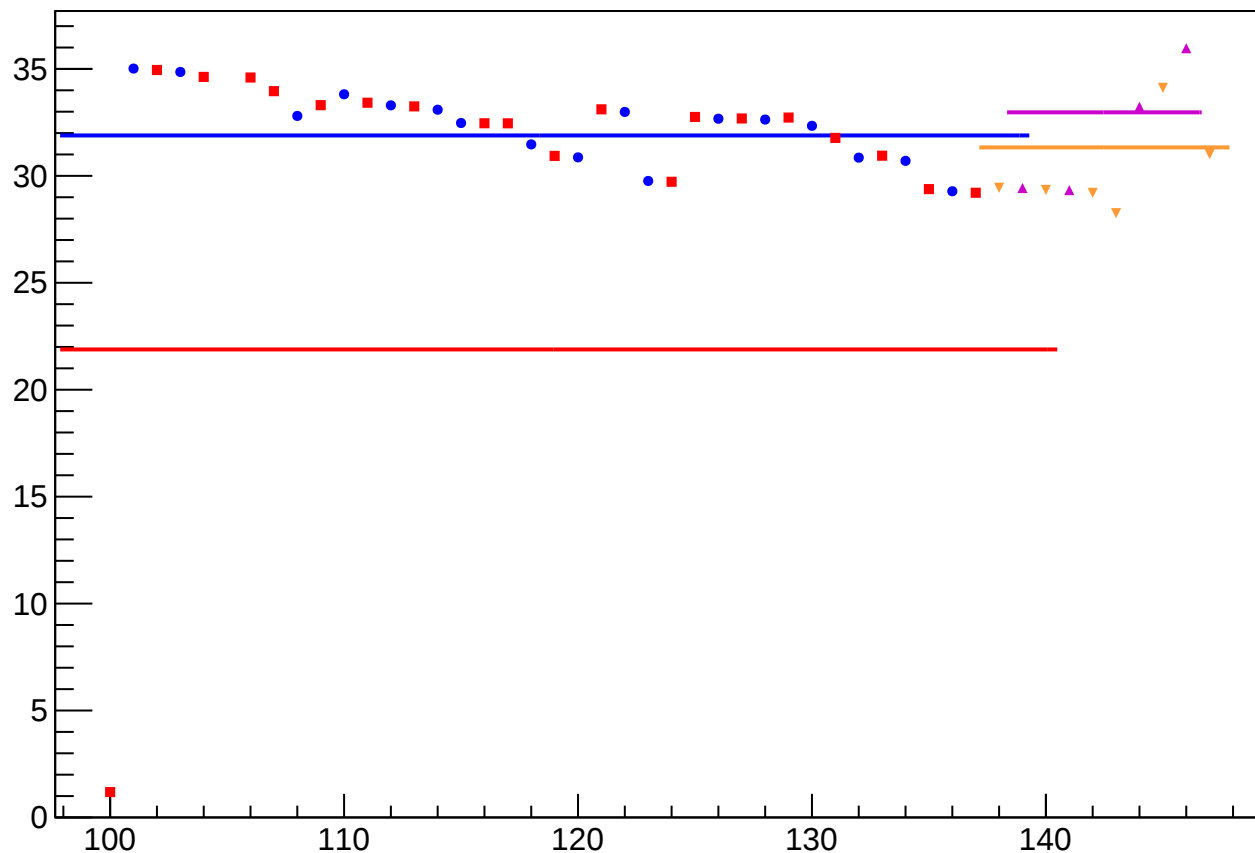
Left In: 0.112 $\pm$ 0.000 χ^2 /NDF:313938.5/3

0.117 $\pm$ 0.000 χ^2 /NDF: 1904166.4/22

0.122 $\pm$ 0.000 χ^2 /NDF: 3949547.1/46

0.129 $\pm$ 0.000 χ^2 /NDF: 1973525.6/23

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889 $\pm$ 0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.331 $\pm$ 0.000 χ^2/NDF : 4114945553.3/5

Right Out: 21.883 $\pm$ 0.000 χ^2/NDF : 230247118310.5/19

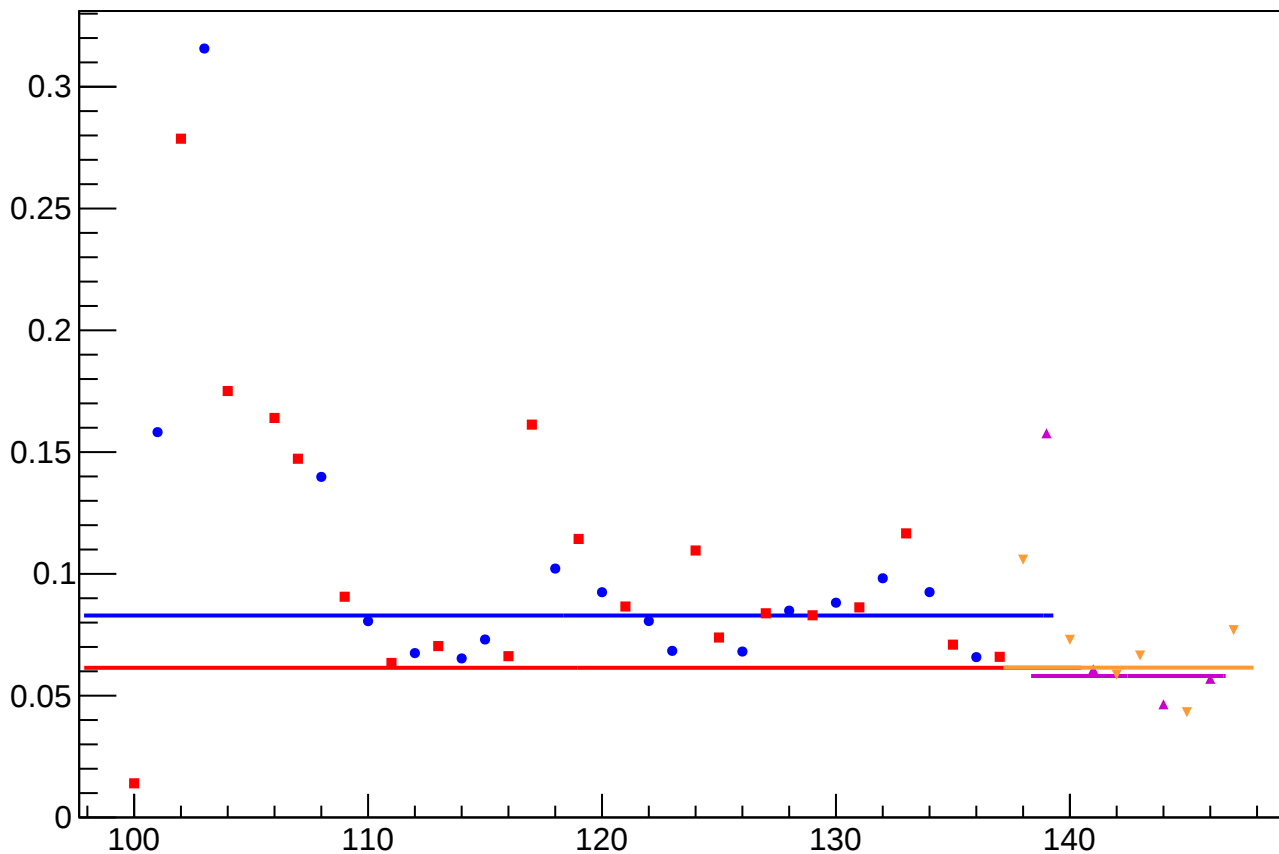
Left In: 32.969 $\pm$ 0.000 χ^2/NDF : 4017979629.3/3

31.608 $\pm$ 0.000 χ^2/NDF : 6157536364.4/22

28.571 $\pm$ 0.000 χ^2/NDF : 313513639008.5

25.993 $\pm$ 0.000 χ^2/NDF : 282840252453.7/23

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 ± 0.000 $\chi^2/\text{NDF}: 1164452.3/16$

Left Out: 0.062 ± 0.000 $\chi^2/\text{NDF}: 473451.3/5$

Right Out: 0.061 ± 0.000 $\chi^2/\text{NDF}: 3635656.2/19$

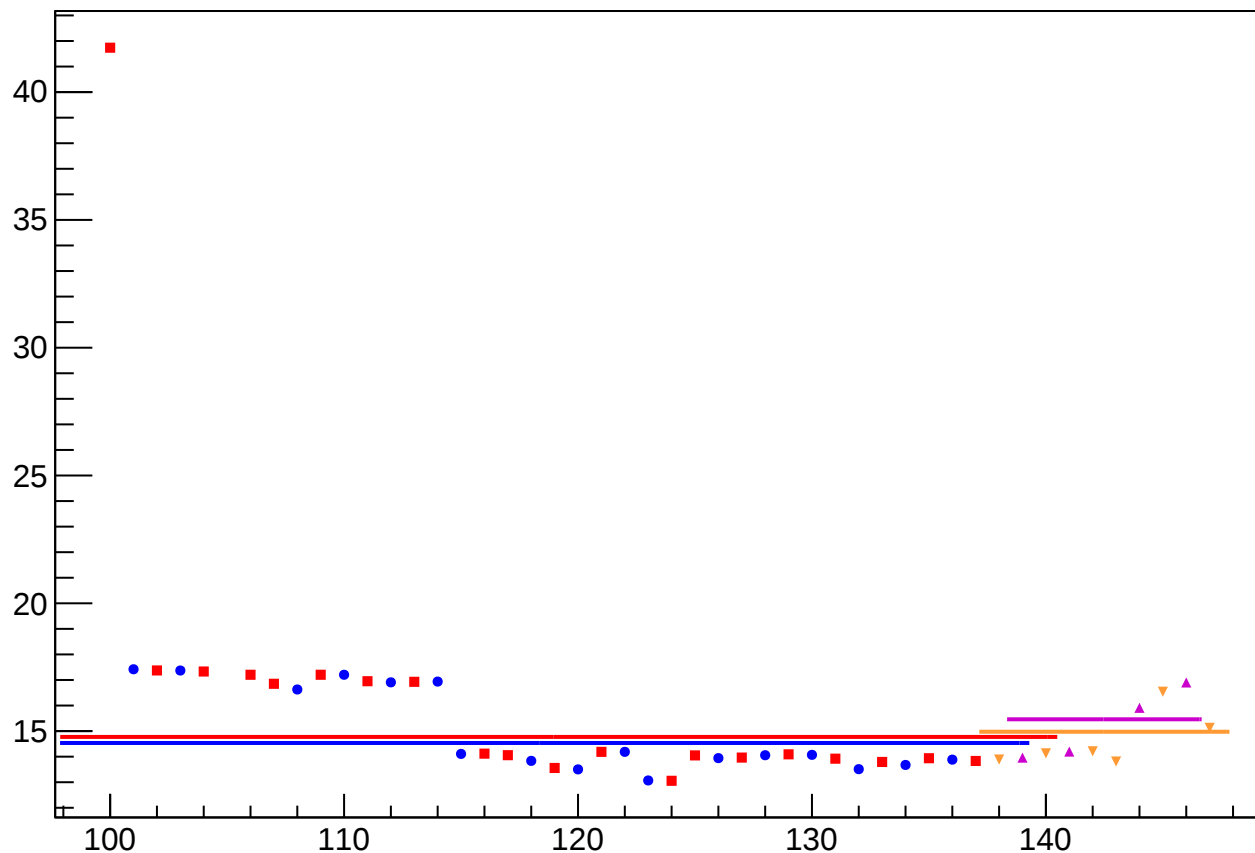
Left In: 0.058 ± 0.000 $\chi^2/\text{NDF}: 645978.4/3$

0.072 ± 0.000 $\chi^2/\text{NDF}: 1967018.7/22$

0.066 ± 0.000 $\chi^2/\text{NDF}: 6478728.2/46$

0.060 ± 0.000 $\chi^2/\text{NDF}: 4290597.8/23$

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536 $\pm$ 0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.975 $\pm$ 0.000 χ^2/NDF : 940855007.7/5

Right Out: 14.772 $\pm$ 0.000 χ^2/NDF : 1887789052.4/19

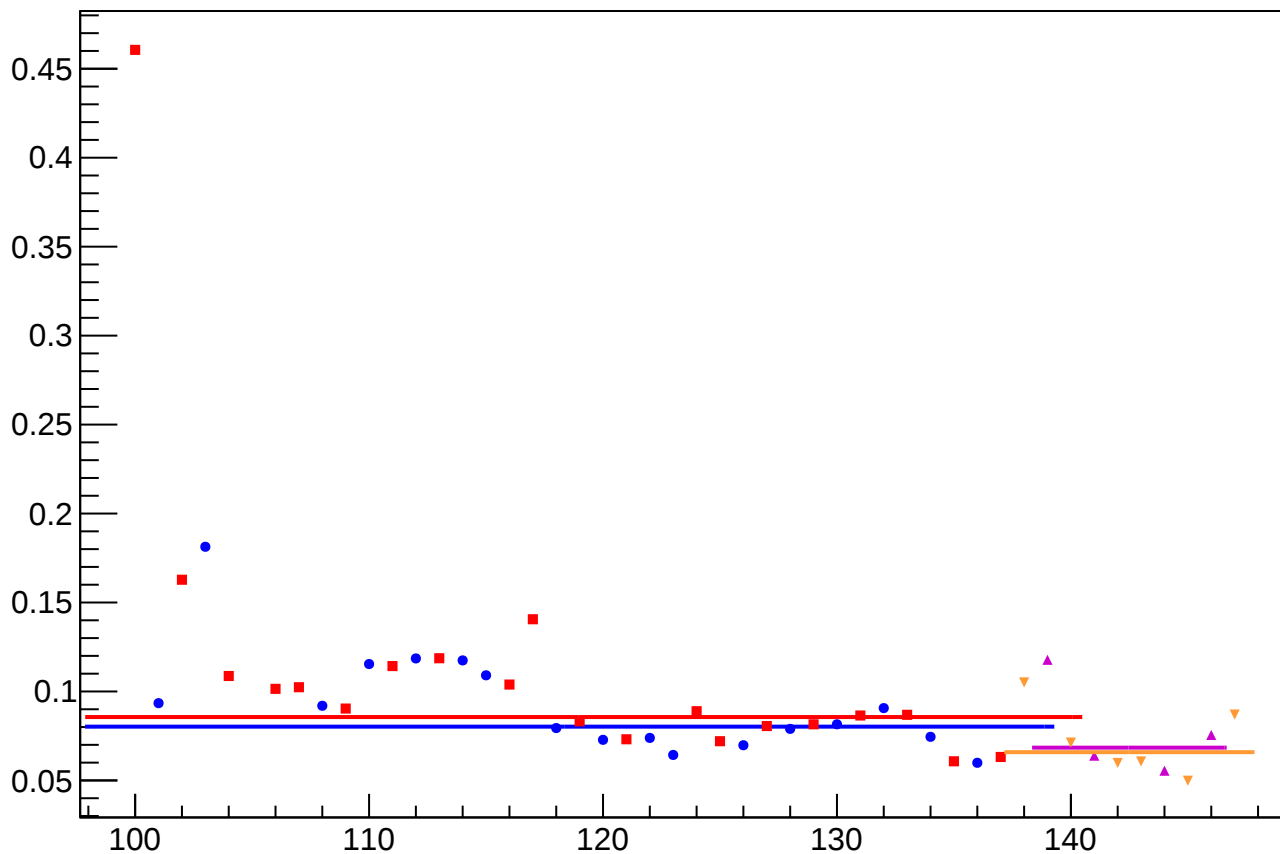
Left In: 15.462 $\pm$ 0.000 χ^2/NDF : 645443941.8/3

14.735 $\pm$ 0.000 χ^2/NDF : 2486510310.0/22

14.878 $\pm$ 0.000 χ^2/NDF : 5241188271.9/4

15.045 $\pm$ 0.000 χ^2/NDF : 2685199351.3/23

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080 ± 0.000 $\chi^2/\text{NDF}: 778734.5/16$

Left Out: 0.066 ± 0.000 $\chi^2/\text{NDF}: 401631.1/5$

Right Out: 0.086 ± 0.000 $\chi^2/\text{NDF}: 750289.2/19$

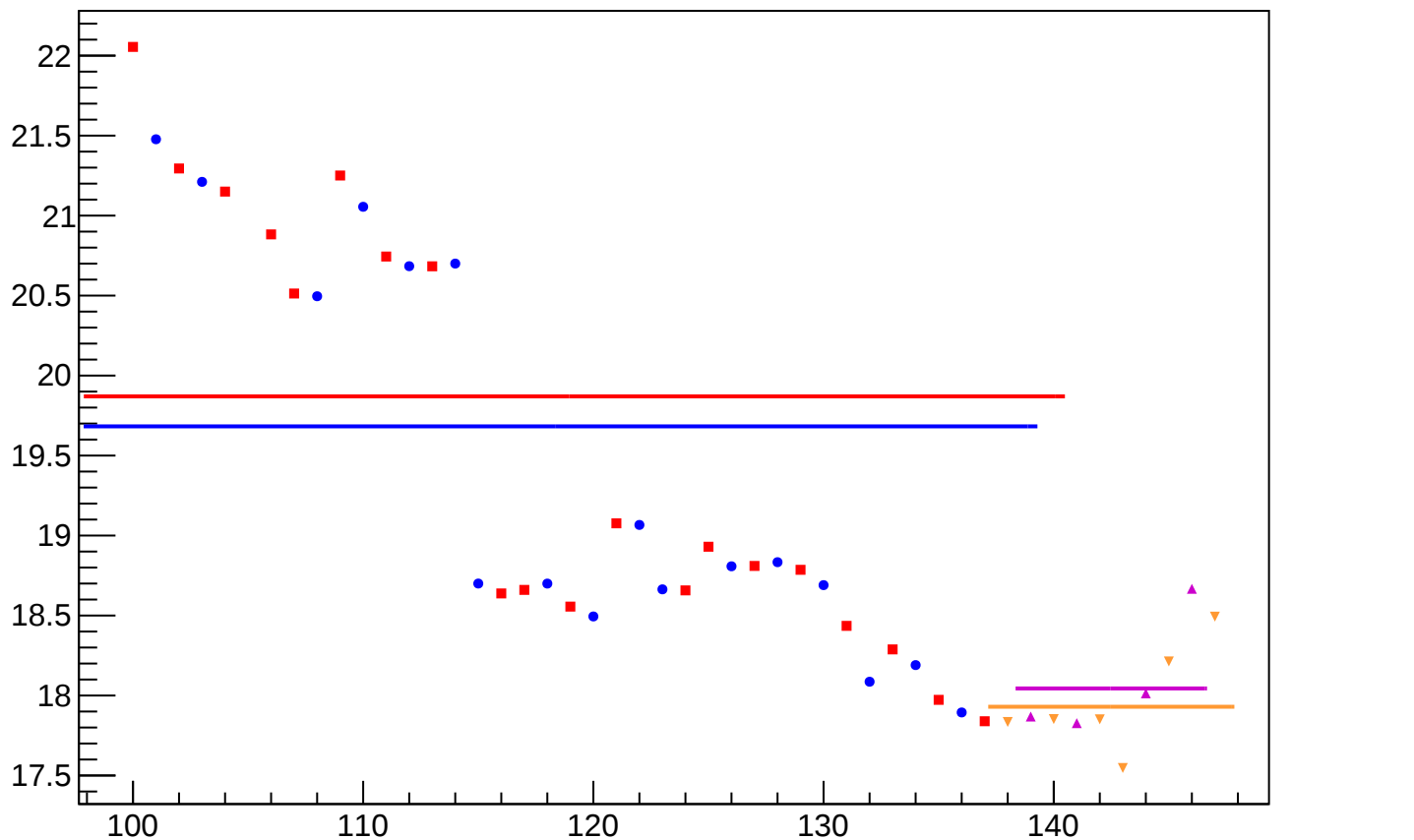
Left In: 0.068 ± 0.000 $\chi^2/\text{NDF}: 336175.5/3$

0.074 ± 0.000 $\chi^2/\text{NDF}: 1340294.0/22$

0.076 ± 0.000 $\chi^2/\text{NDF}: 2652910.5/46$

0.079 ± 0.000 $\chi^2/\text{NDF}: 1275385.1/23$

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.930+/-0.000 χ^2/NDF : 267914233.1/5

Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

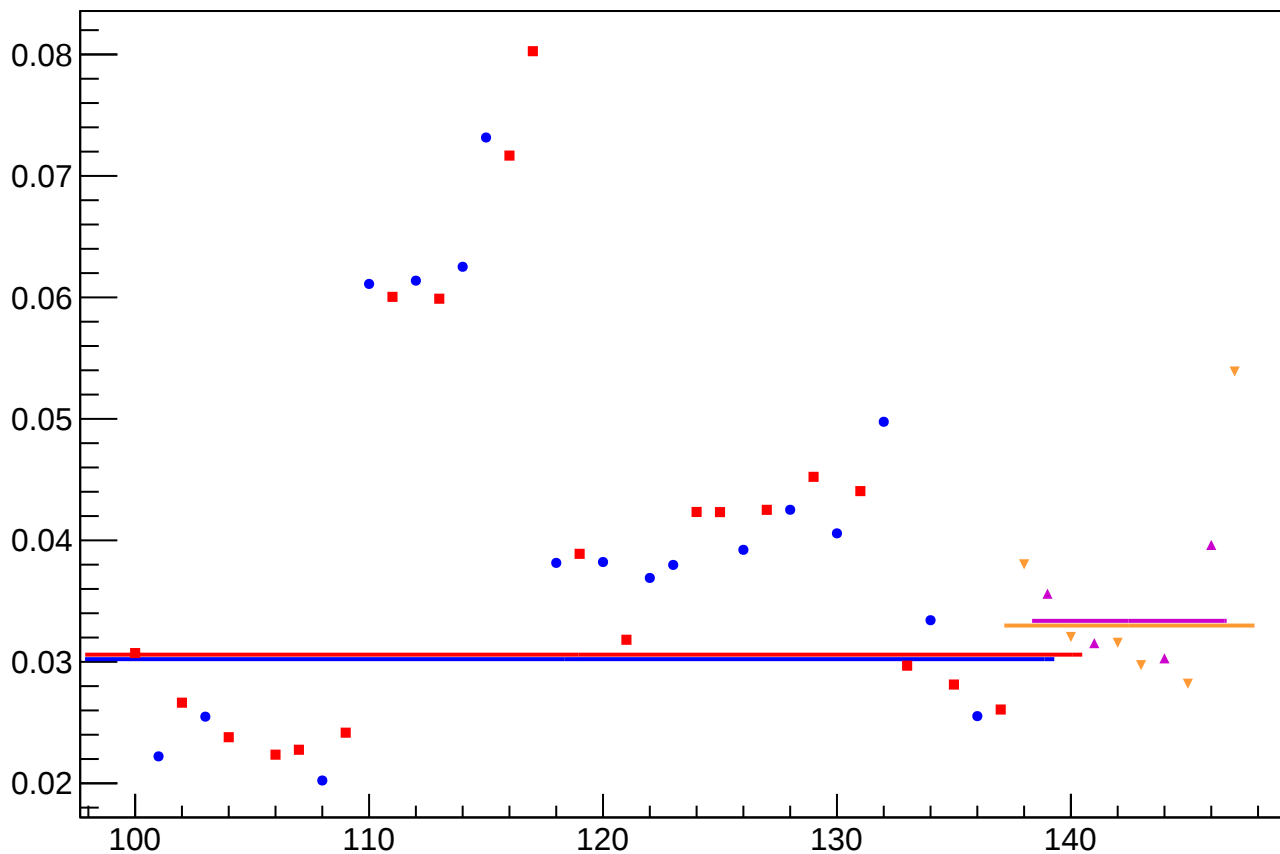
Left In: 18.044+/-0.000 χ^2/NDF : 241600440.7/3

19.049+/-0.000 χ^2/NDF : 19334725886.3/22

19.181+/-0.000 χ^2/NDF : 37602594881.5/

19.321+/-0.000 χ^2/NDF : 17924315198.8/23

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.033 $\pm$ 0.000 χ^2/NDF : 309734.9/5

Right Out: 0.031 $\pm$ 0.000 χ^2/NDF : 1219224.0/19

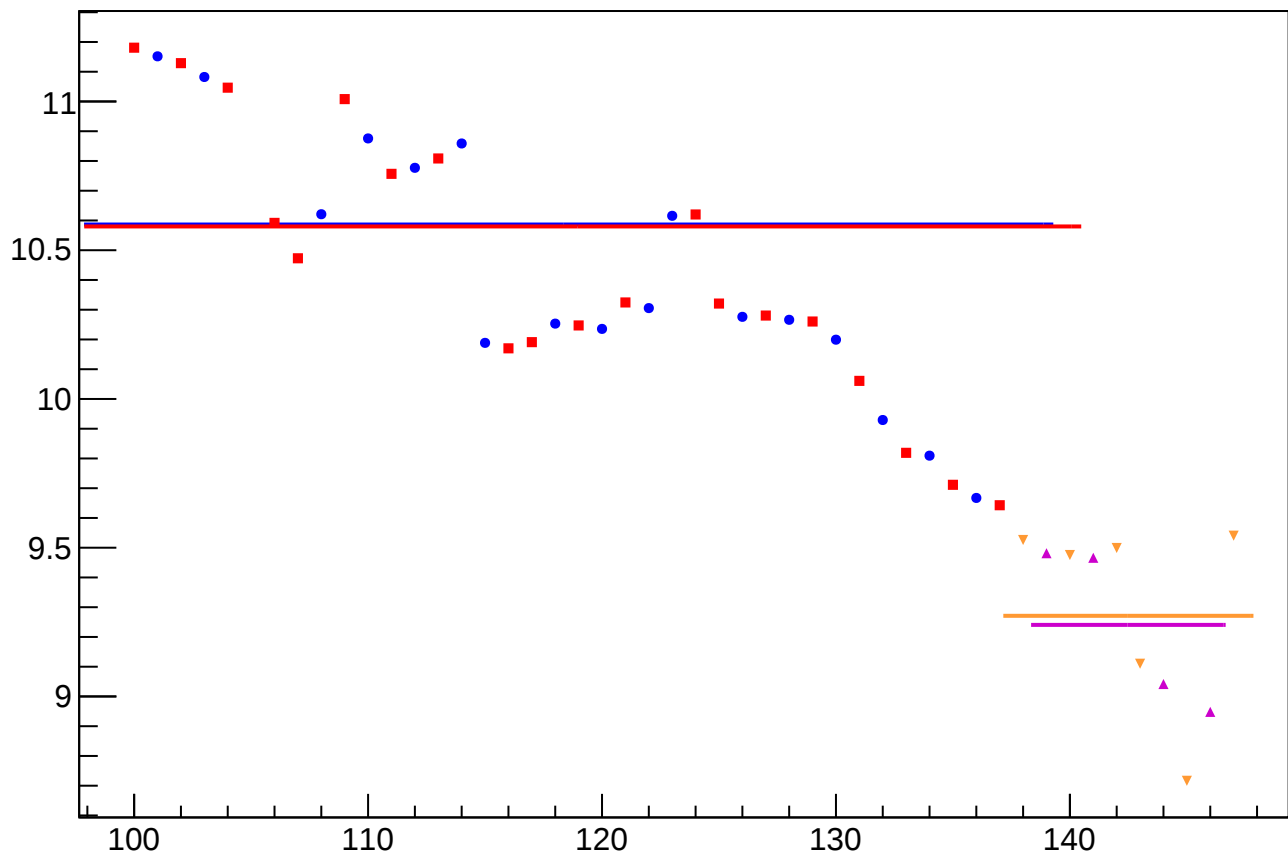
Left In: 0.033 $\pm$ 0.000 χ^2/NDF : 65292.7/3

0.031 $\pm$ 0.000 χ^2/NDF : 1668079.2/22

0.031 $\pm$ 0.000 χ^2/NDF : 2982502.5/46

0.031 $\pm$ 0.000 χ^2/NDF : 1314015.1/23

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.271 $\pm$ 0.000 χ^2 /NDF: 937054796.4/5

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

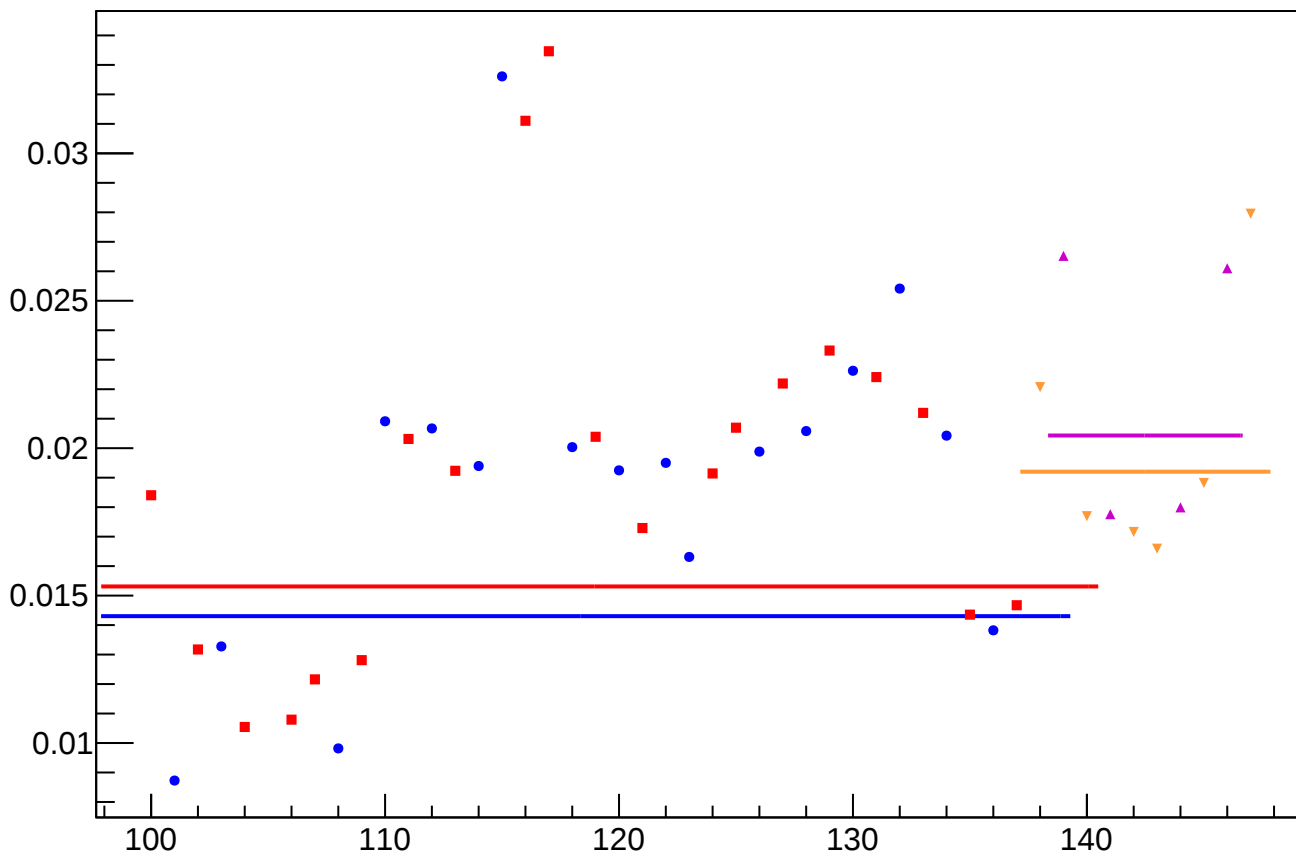
Left In: 9.241 $\pm$ 0.000 χ^2 /NDF: 367717184.9/3

10.226 $\pm$ 0.000 χ^2 /NDF: 20688409925.7/22

10.258 $\pm$ 0.000 χ^2 /NDF: 36619750065.8/

10.293 $\pm$ 0.000 χ^2 /NDF: 15855618476.6/23

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 219178.0/5

Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

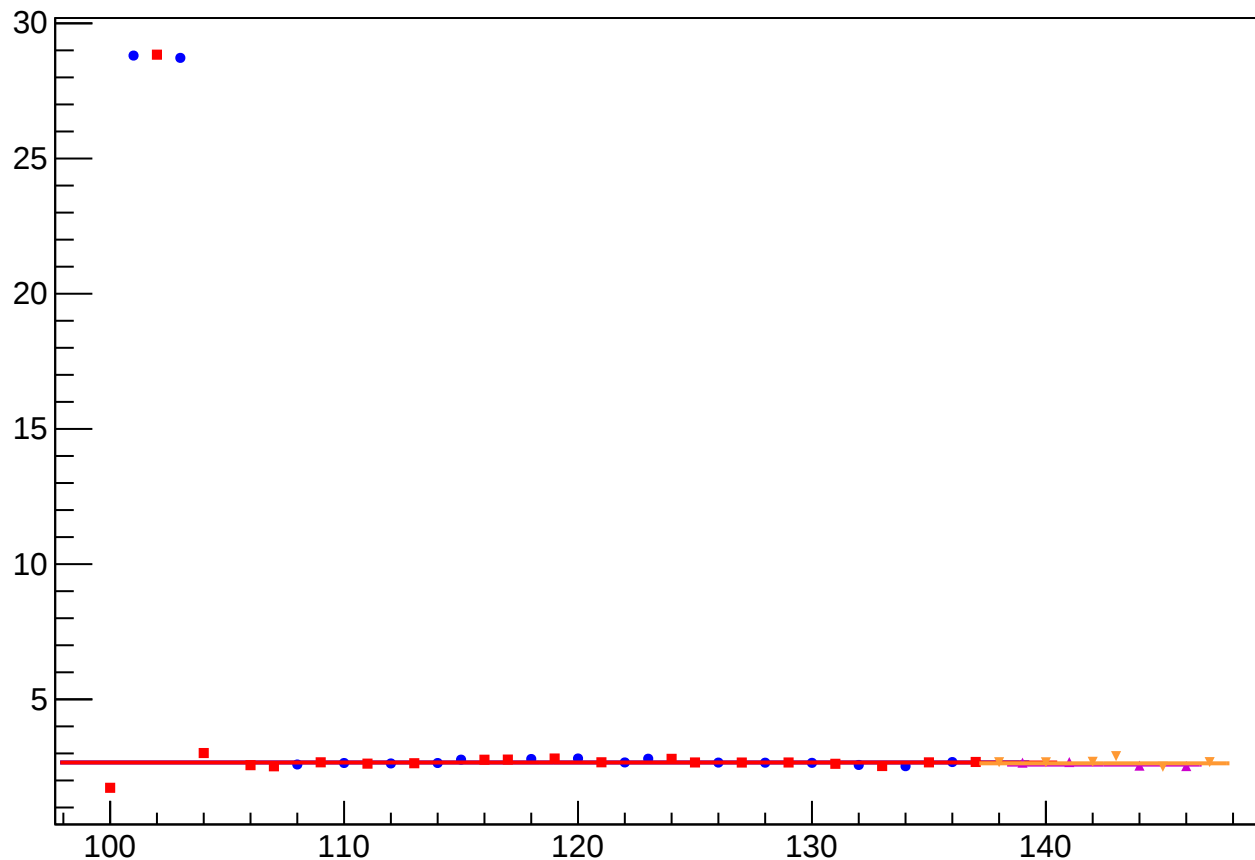
Left In: 0.020+/-0.000 χ^2/NDF : 207188.3/3

0.016+/-0.000 χ^2/NDF : 1969459.9/22

0.016+/-0.000 χ^2/NDF : 3491867.4/46

0.016+/-0.000 χ^2/NDF : 1502670.8/23

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.634+/-0.000 χ^2/NDF : 11083312683.8/5

Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

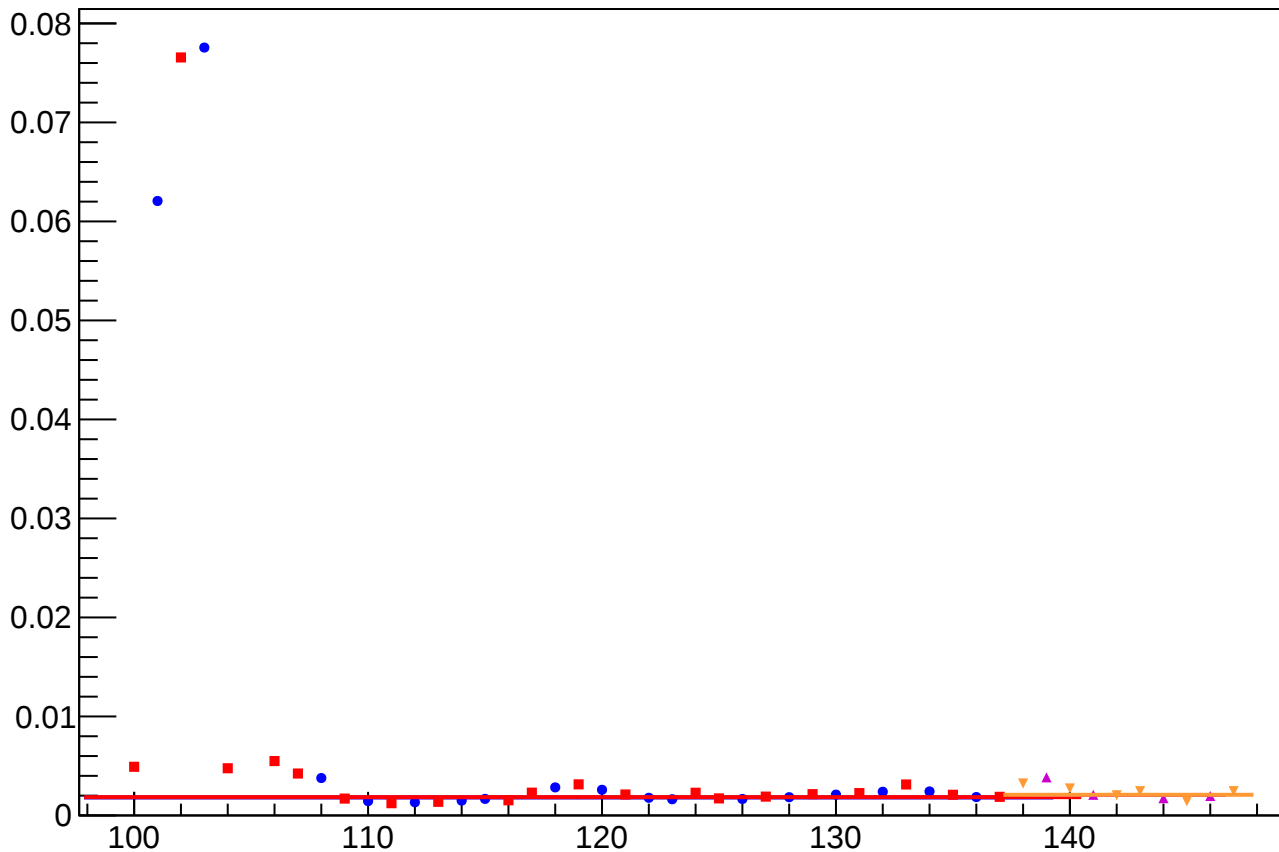
Left In: 2.586+/-0.000 χ^2/NDF : 2374002104.1/3

2.655+/-0.000 χ^2/NDF : 174722938686.6/22

2.648+/-0.000 χ^2/NDF : 250295582517.3/23

2.641+/-0.000 χ^2/NDF : 75381477826.0/23

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :514593.6/5

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

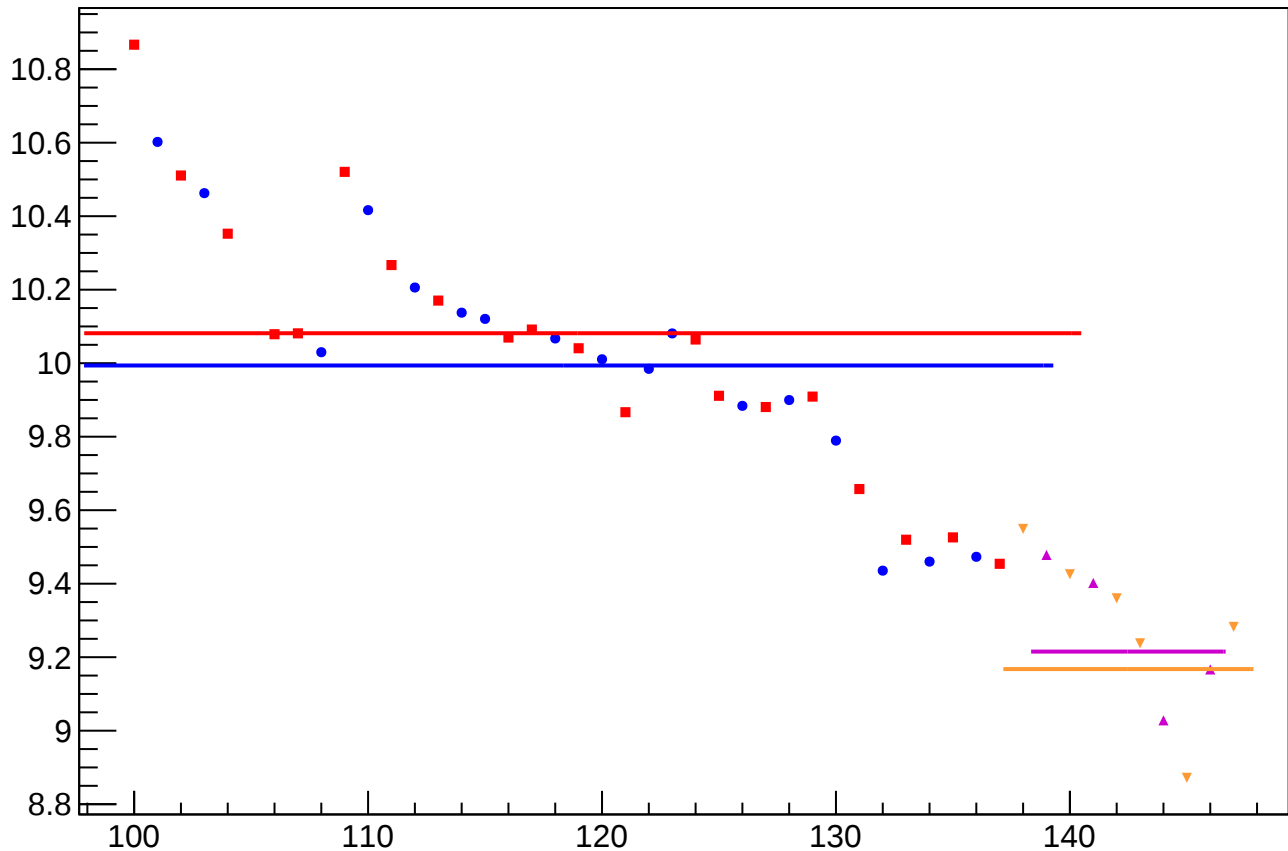
Left In: 0.002+/-0.000 χ^2/NDF :348974.0/3

0.002+/-0.000 χ^2/NDF : 3242175.9/22

0.002+/-0.000 χ^2/NDF : 5964562.3/46

0.002+/-0.000 χ^2/NDF : 2722368.2/23

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.168+/-0.000 χ^2/NDF : 4524474331.5/5

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

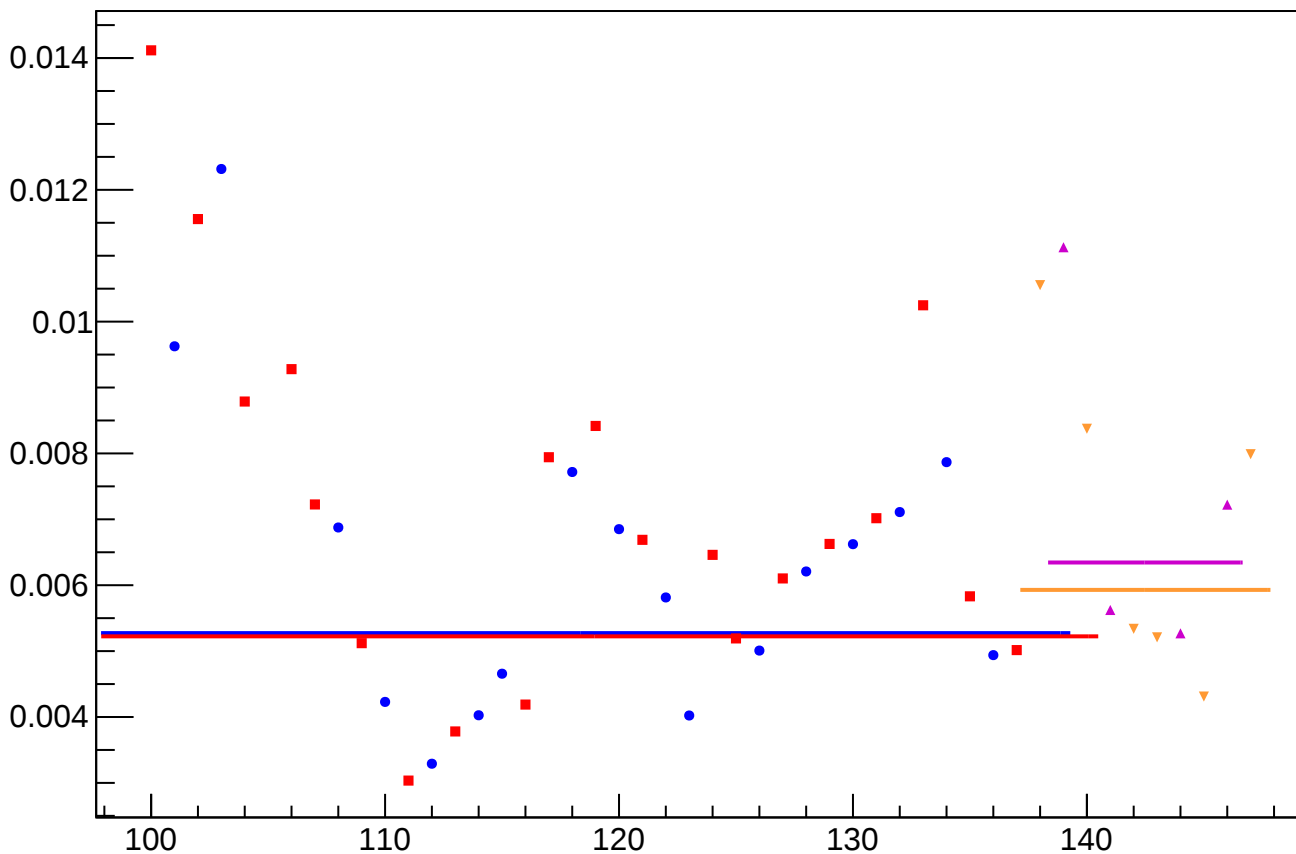
Left In: 9.215+/-0.000 χ^2/NDF : 1846850764.1/3

9.735+/-0.000 χ^2/NDF : 62030571349.1/22

9.804+/-0.000 χ^2/NDF : 116130812230.4/22

9.877+/-0.000 χ^2/NDF : 51483045919.9/23

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 600099.0/5

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

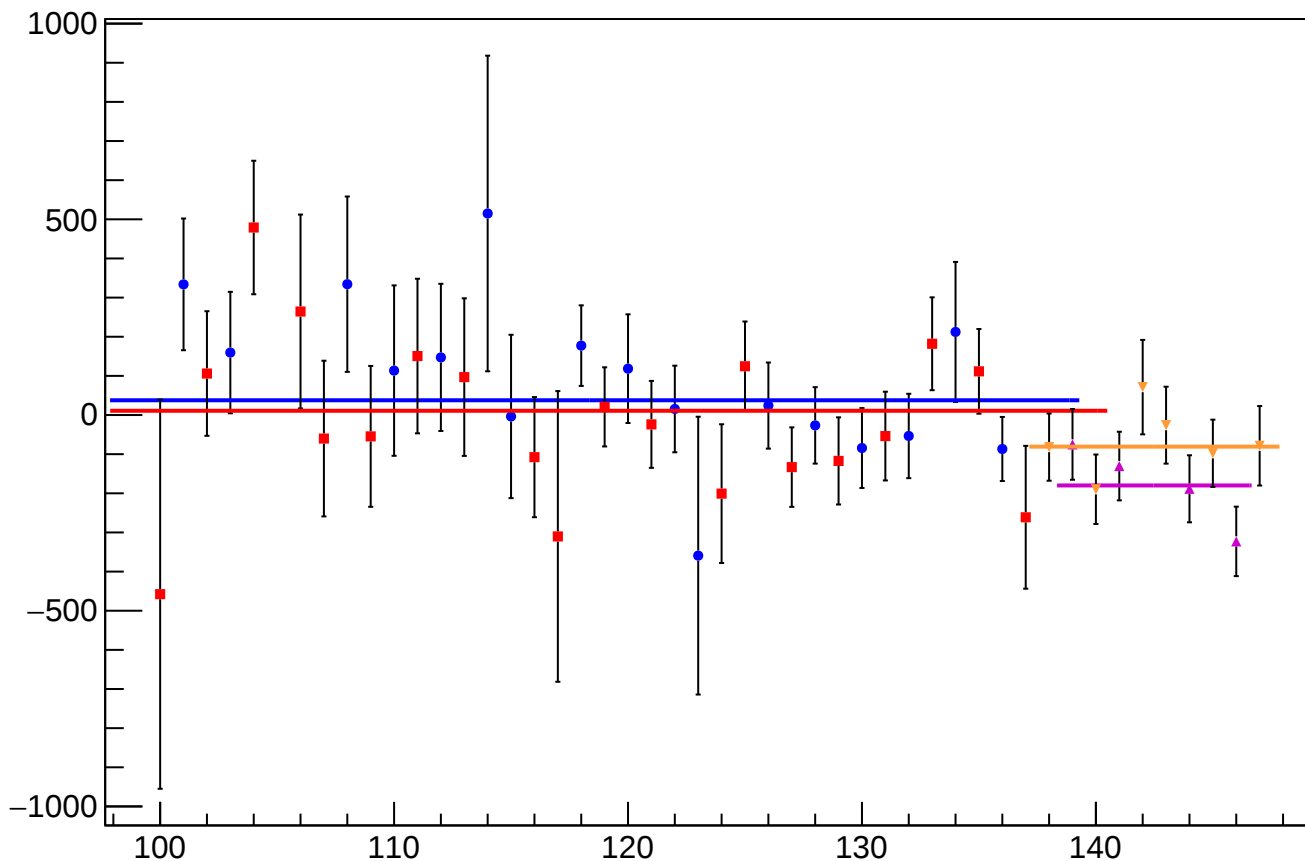
Left In: 0.006+/-0.000 χ^2/NDF : 342996.8/3

0.005+/-0.000 χ^2/NDF : 1894465.6/22

0.005+/-0.000 χ^2/NDF : 4019245.6/46

0.005+/-0.000 χ^2/NDF : 2124756.1/23

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -80.713 $\pm$ 38.702 χ^2 /NDF: 3.4/5

Right Out: 10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

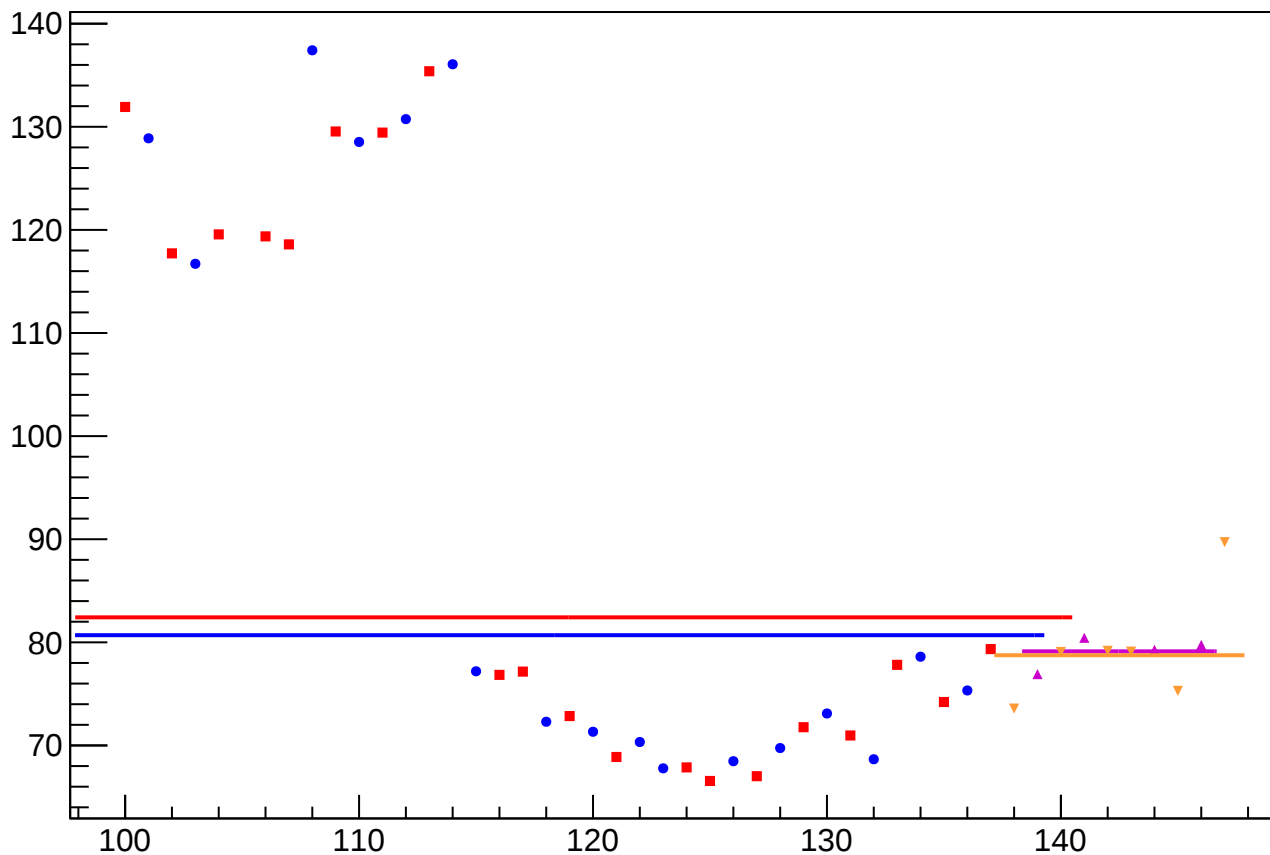
Left In: -179.924 $\pm$ 44.018 χ^2 /NDF: 4.3/3

-10.837 $\pm$ 24.777 χ^2 /NDF: 25.7/22

-31.953 $\pm$ 17.889 χ^2 /NDF: 67.2/46

-54.947 $\pm$ 25.855 χ^2 /NDF: 40.1/23

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 78.748 $\pm$ 0.027 χ^2 /NDF: 33919.8/5

Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

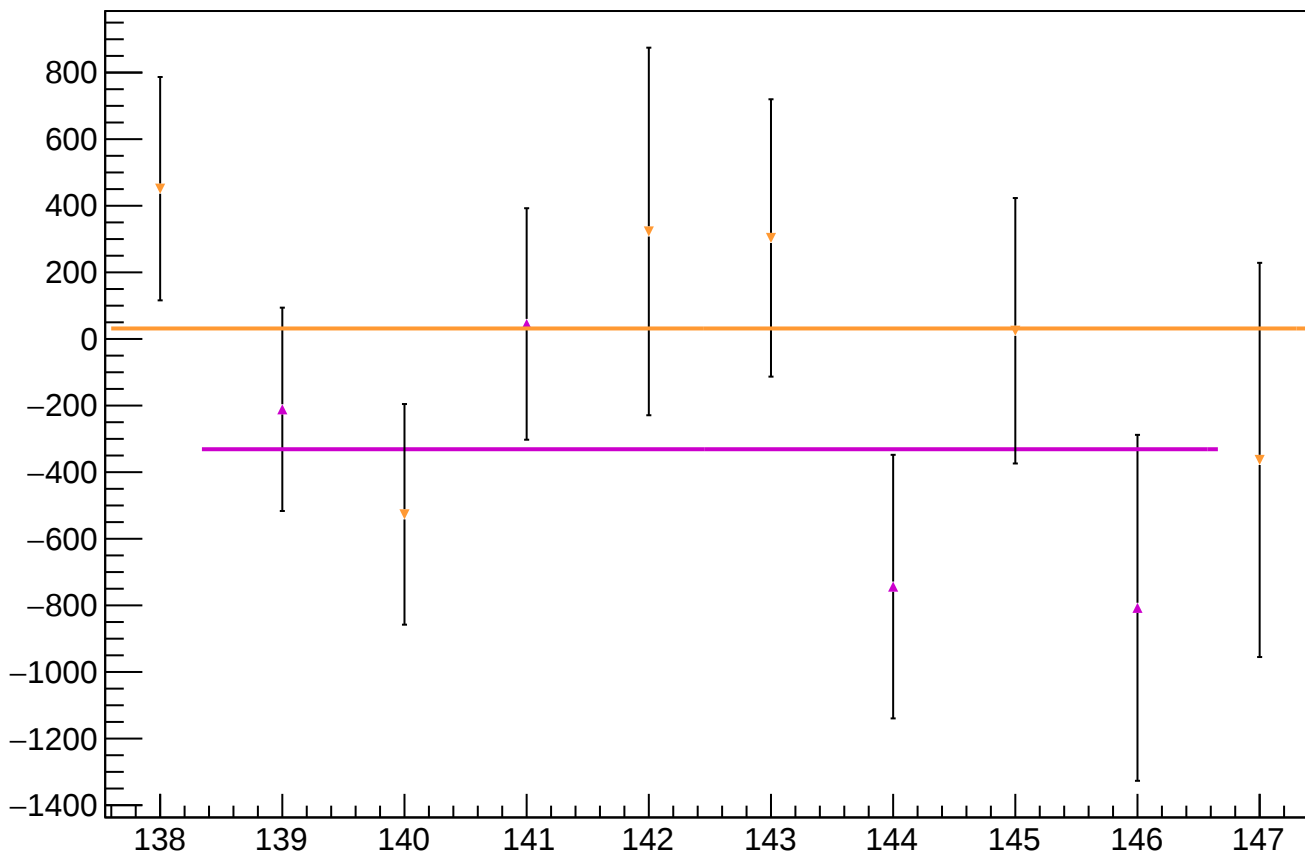
Left In: 79.126 $\pm$ 0.031 χ^2 /NDF: 1750.2/3

79.896 $\pm$ 0.018 χ^2 /NDF: 850932.5/22

80.562 $\pm$ 0.013 χ^2 /NDF: 1778333.5/46

81.286 $\pm$ 0.018 χ^2 /NDF: 924387.5/23

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 31.508+/-166.202 χ^2/NDF : 5.6/5

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

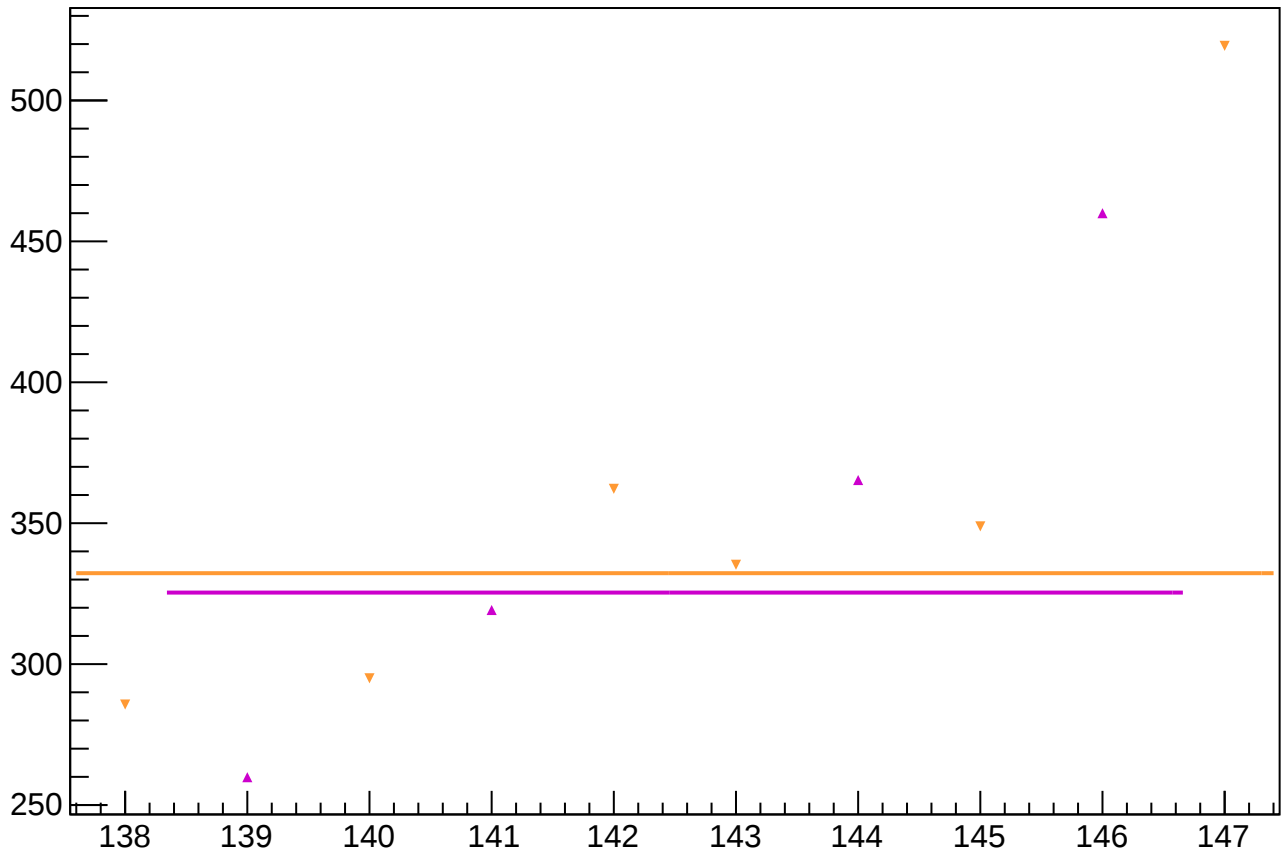
Left In: -331.107+/-185.380 χ^2/NDF : 3.3/3

31.508+/-166.202 χ^2/NDF : 5.6/5

-130.078+/-123.749 χ^2/NDF : 10.9/9

-331.107+/-185.380 χ^2/NDF : 3.3/3

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 332.267+/-0.118 χ^2/NDF : 273299.0/5

332.267+/-0.118 χ^2/NDF : 273299.0/5

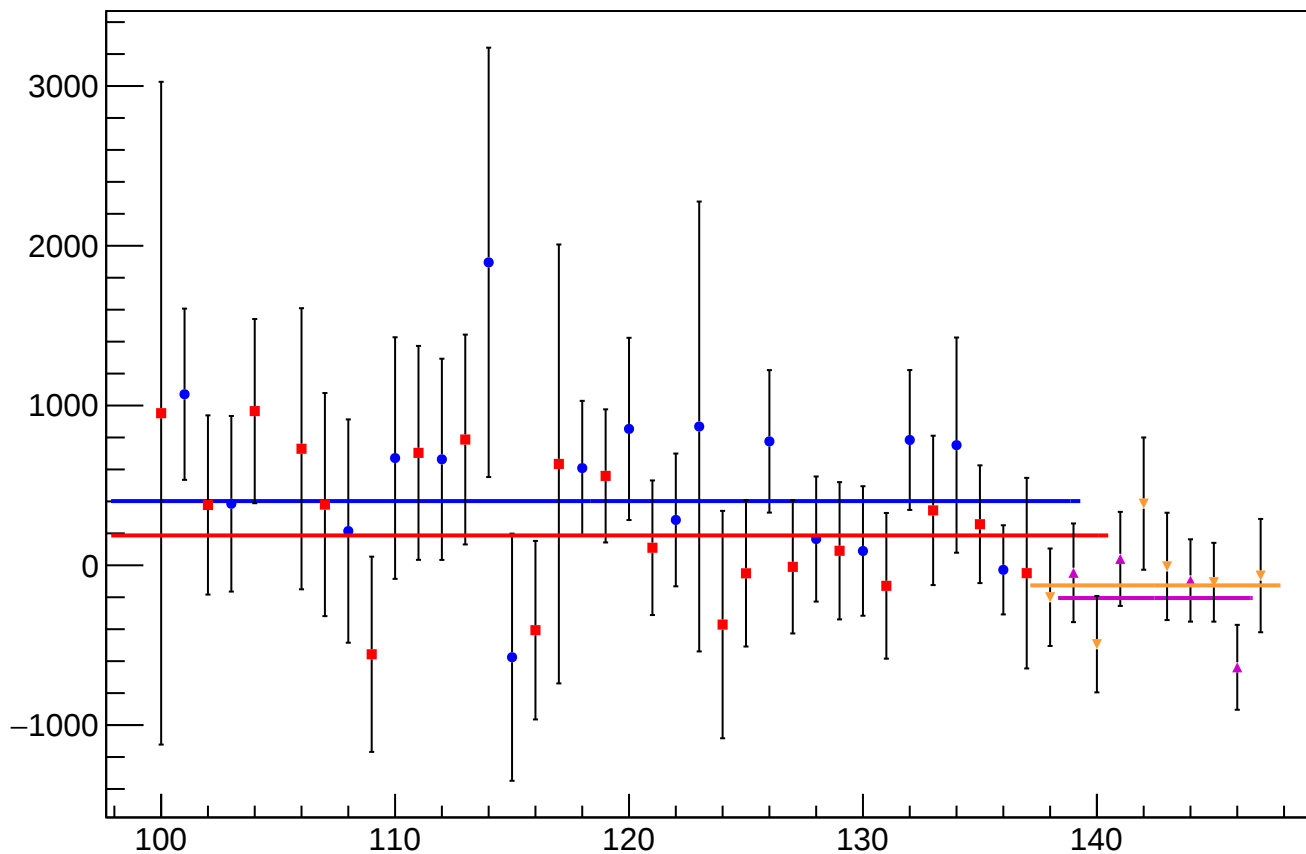
329.199+/-0.088 χ^2/NDF : 522216.6/9

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

325.382+/-0.131 χ^2/NDF : 247388.6/3

Left In: 325.382+/-0.131 χ^2/NDF : 247388.6/3

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 ± 121.048 χ^2/NDF : 10.9/16

Left Out: -125.695 ± 128.214 χ^2/NDF : 3.2/5

Right Out: 186.914 ± 119.879 χ^2/NDF : 9.4/19

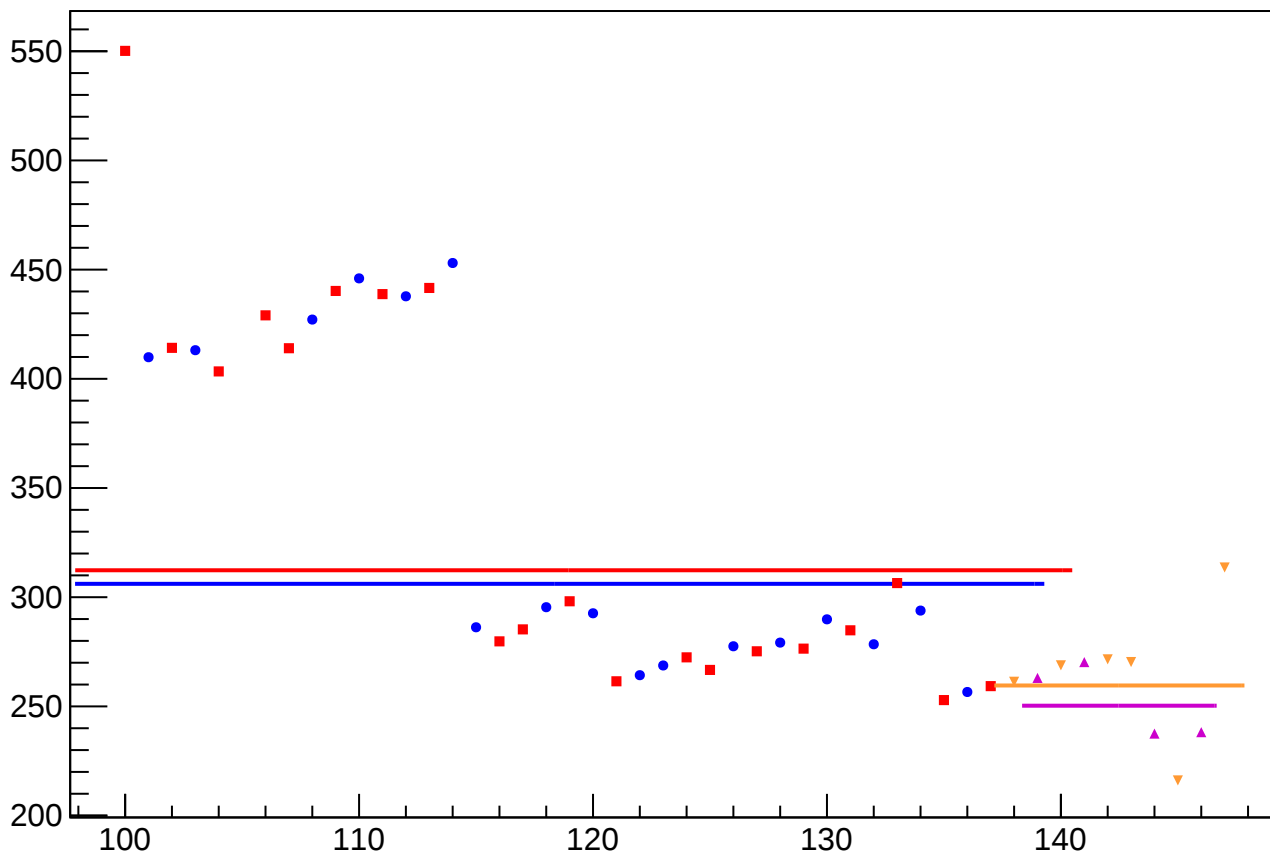
Left In: -204.878 ± 139.692 χ^2/NDF : 3.8/3

153.244 ± 88.018 χ^2/NDF : 23.1/22

89.184 ± 63.257 χ^2/NDF : 42.0/46

20.751 ± 90.973 χ^2/NDF : 17.8/23

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123 +/- 0.086 χ^2/NDF : 508435.8/16

Left Out: 259.578 +/- 0.091 χ^2/NDF : 114187.7/5

Right Out: 312.335 +/- 0.085 χ^2/NDF : 626552.3/19

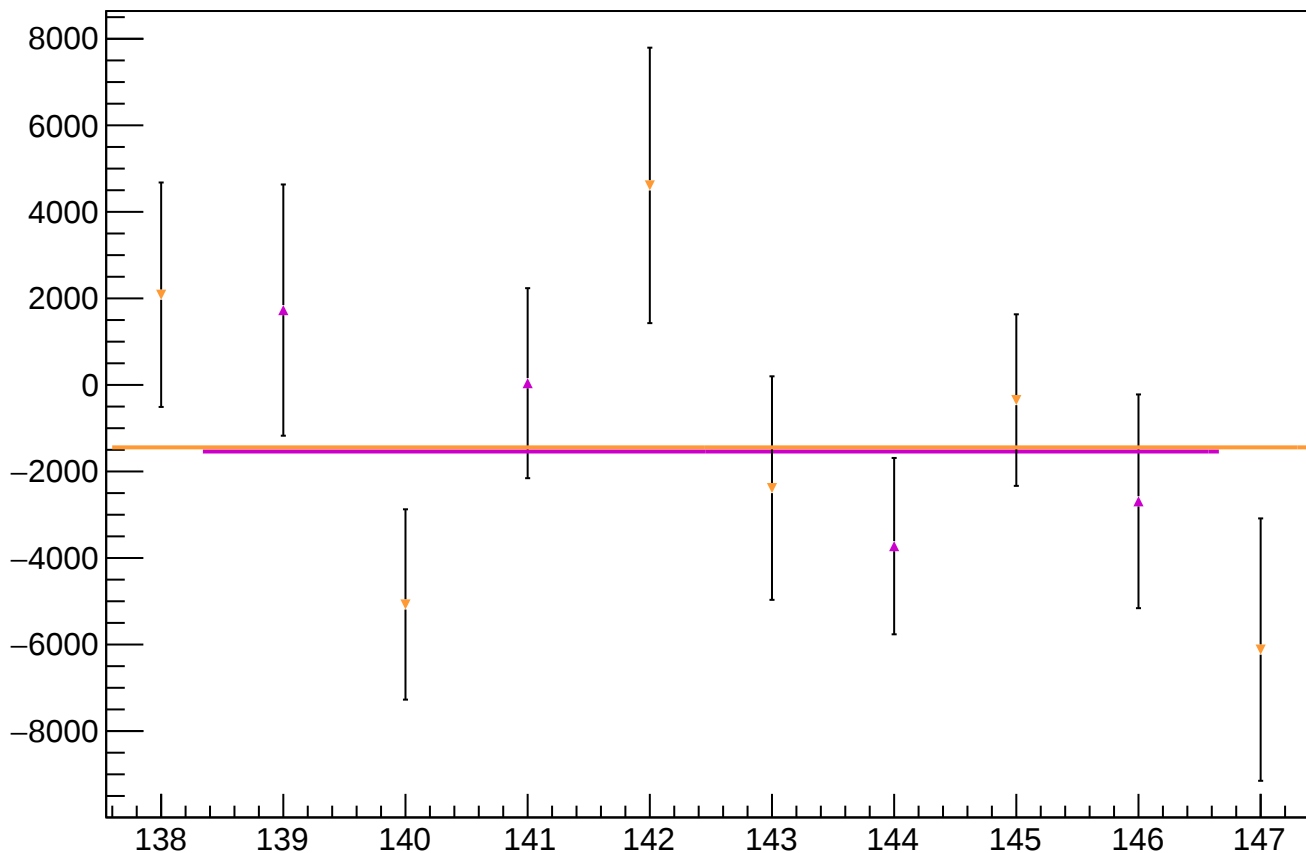
Left In: 250.319 +/- 0.099 χ^2/NDF : 21671.8/3

284.188 +/- 0.062 χ^2/NDF : 761985.4/22

285.080 +/- 0.045 χ^2/NDF : 1637635.7/46

286.033 +/- 0.064 χ^2/NDF : 875225.3/23

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1443.079+/-1016.900 χ^2/NDF : 11.0/5

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

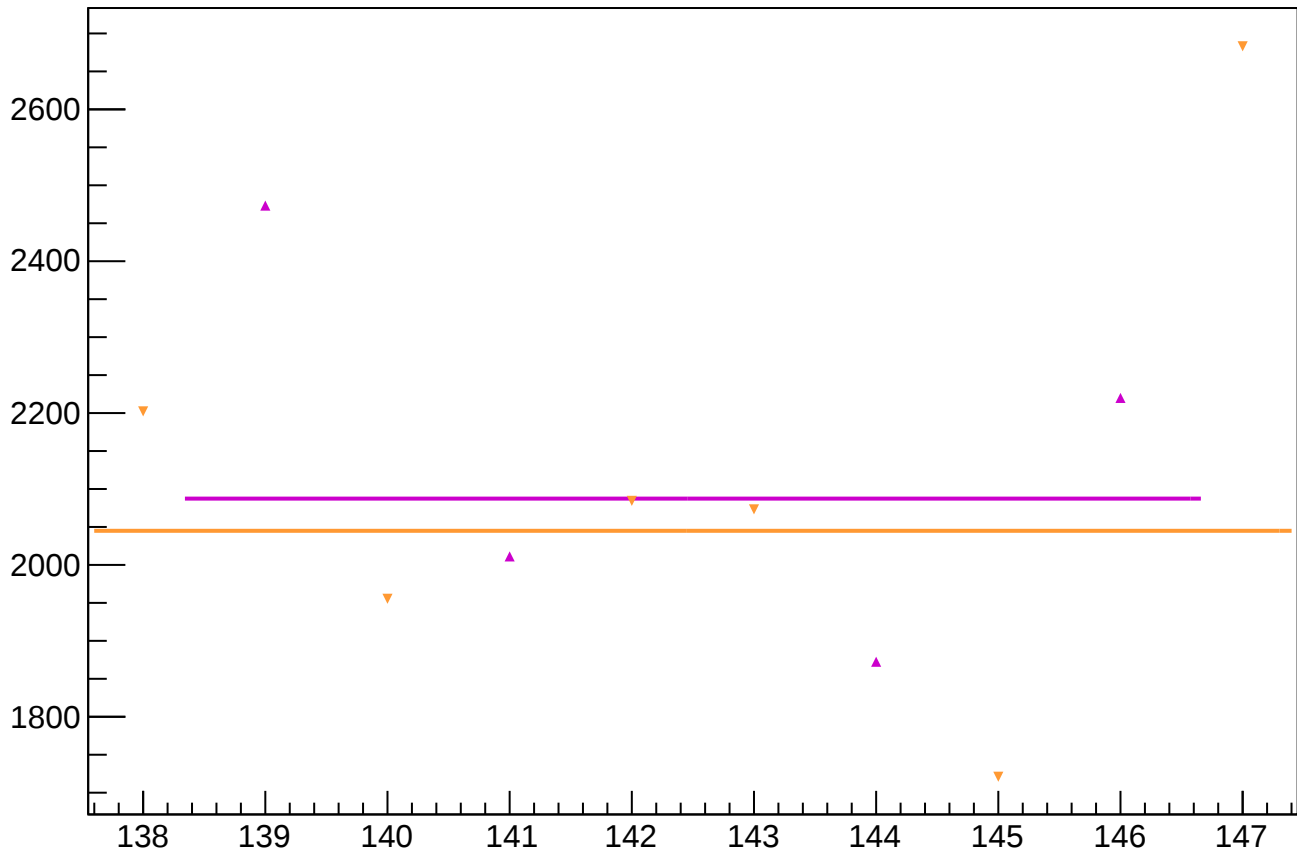
Left In: -1538.739+/-1169.824 χ^2/NDF : 3.2/3

-1443.079+/-1016.900 χ^2/NDF : 11.0/5

-1484.252+/-767.468 χ^2/NDF : 14.2/9

-1538.739+/-1169.824 χ^2/NDF : 3.2/3

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2044.935+/-0.719 χ^2/NDF : 153175.1/5

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

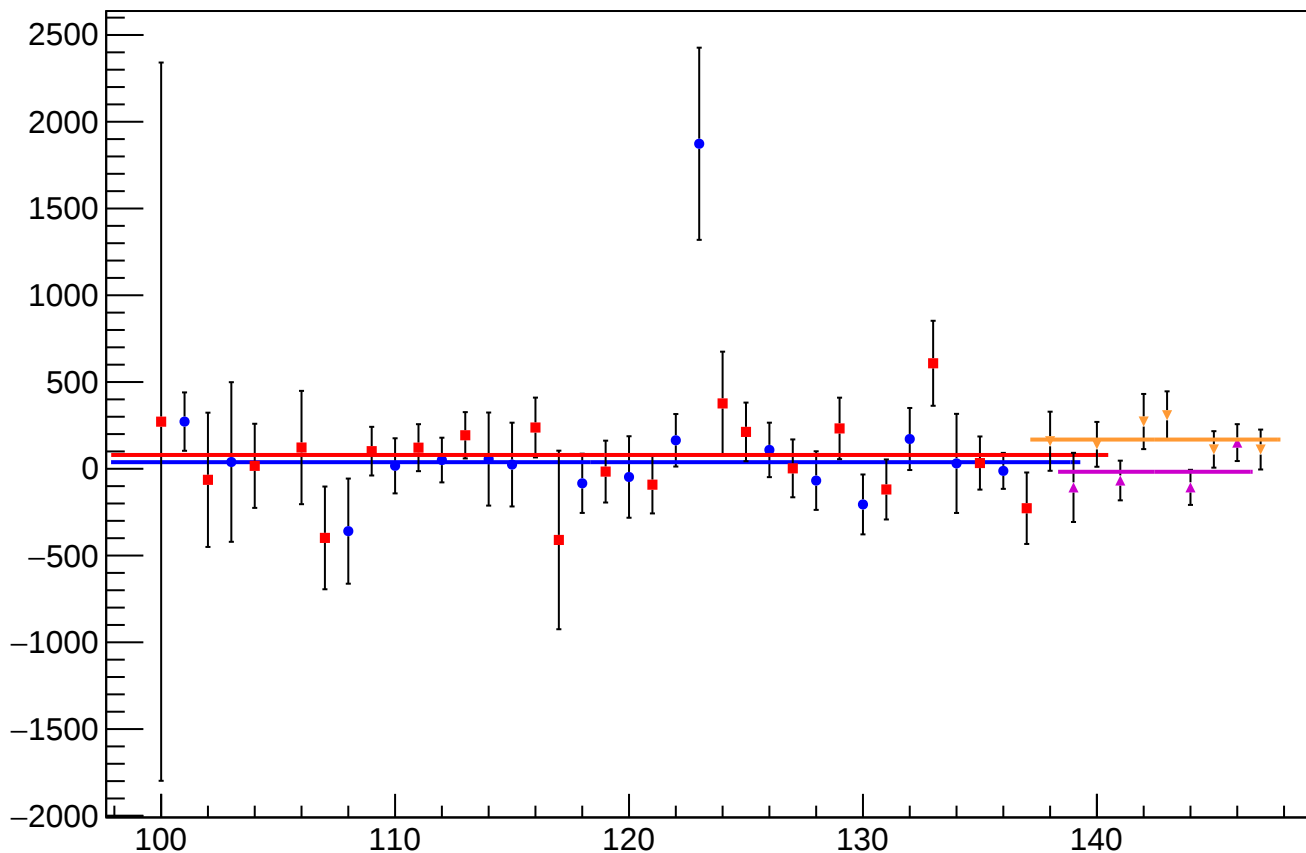
Left In: 2087.335+/-0.827 χ^2/NDF : 65739.1/3

2044.935+/-0.719 χ^2/NDF : 153175.1/5

2063.184+/-0.543 χ^2/NDF : 220410.7/9

2087.335+/-0.827 χ^2/NDF : 65739.1/3

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2/NDF : 19.4/16

Left Out: 168.465 $\pm$ 53.248 χ^2/NDF : 2.1/5

Right Out: 79.665 $\pm$ 42.948 χ^2/NDF : 17.6/19

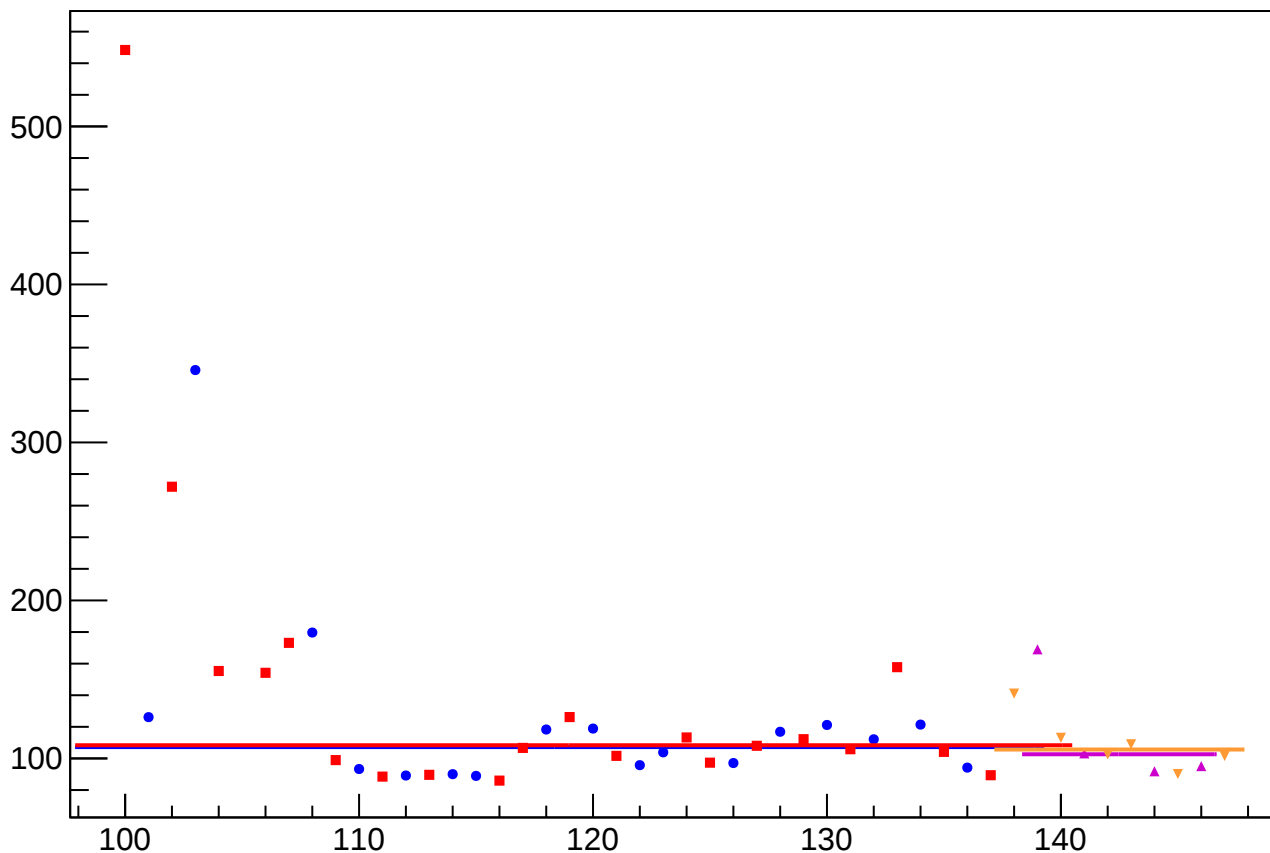
Left In: -17.245 $\pm$ 58.921 χ^2/NDF : 3.7/3

90.364 $\pm$ 33.710 χ^2/NDF : 25.0/22

68.848 $\pm$ 24.181 χ^2/NDF : 49.0/46

46.041 $\pm$ 34.706 χ^2/NDF : 23.1/23

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 105.646+/-0.038 χ^2/NDF : 141055.7/5

Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

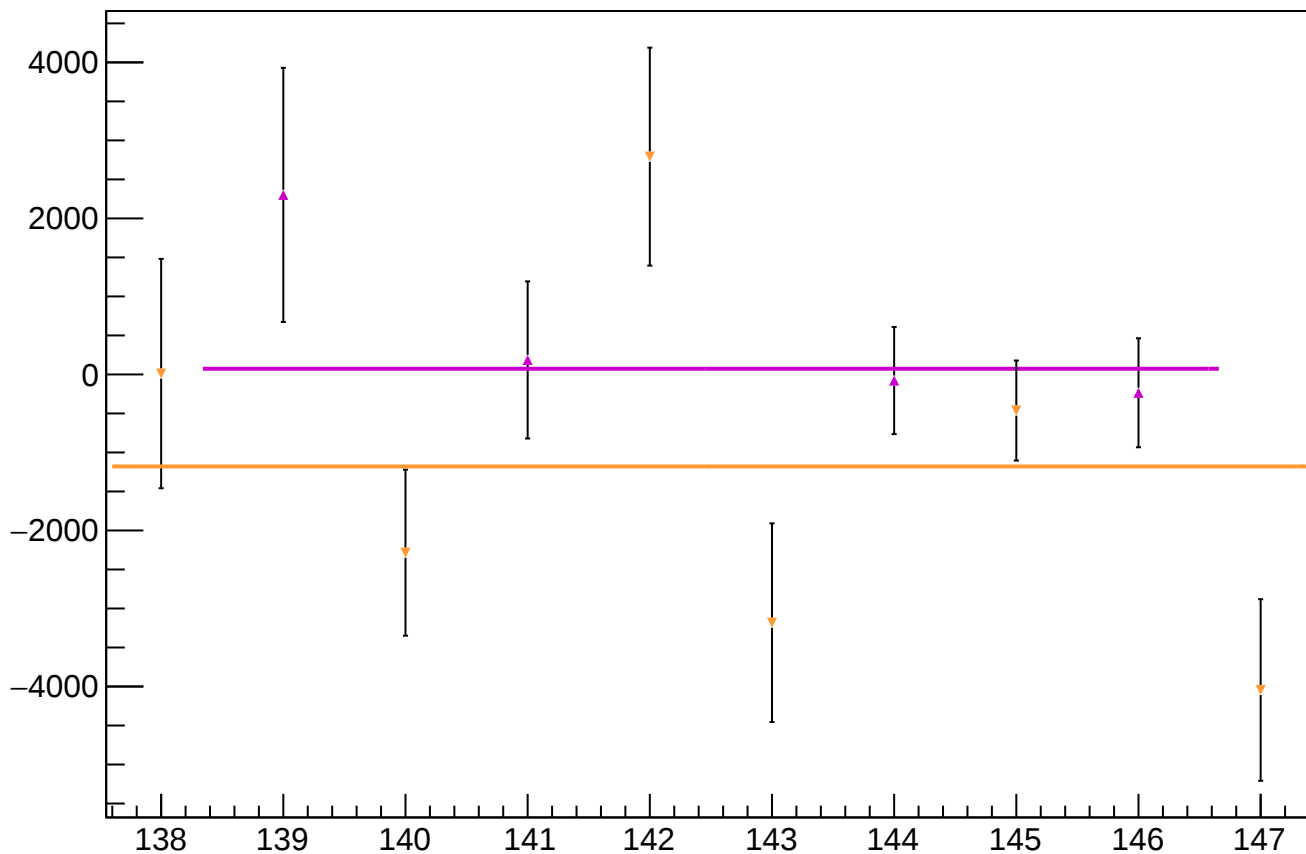
Left In: 102.638+/-0.042 χ^2/NDF : 254938.0/3

106.571+/-0.024 χ^2/NDF : 985177.0/22

106.471+/-0.017 χ^2/NDF : 2169722.4/46

106.366+/-0.025 χ^2/NDF : 1184509.7/23

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1179.024+/-420.825 χ^2/NDF : 19.6/5

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

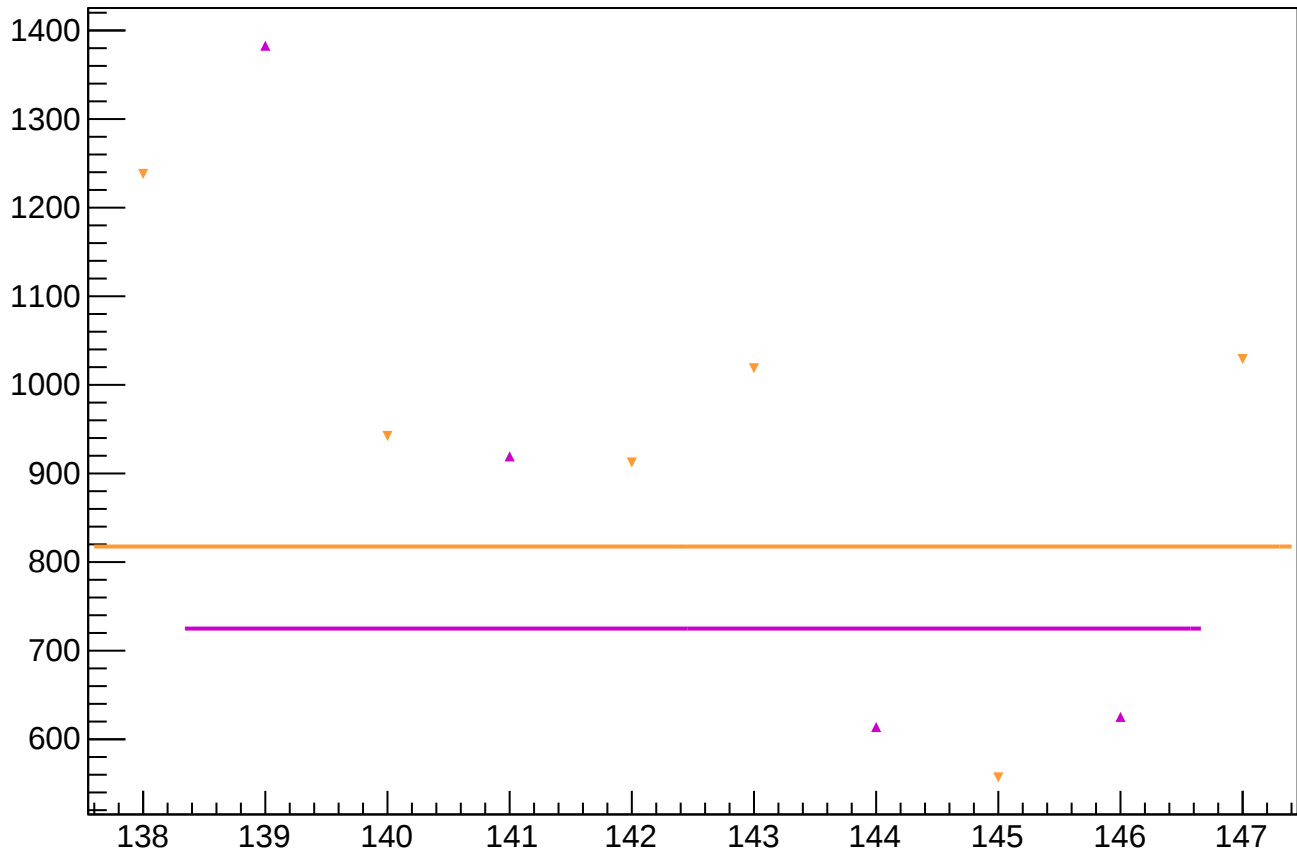
Left In: 73.019+/-425.203 χ^2/NDF : 2.1/3

-1179.024+/-420.825 χ^2/NDF : 19.6/5

-559.482+/-299.104 χ^2/NDF : 26.1/9

73.019+/-425.203 χ^2/NDF : 2.1/3

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 817.547+/-0.298 χ^2/NDF : 646810.2/5

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

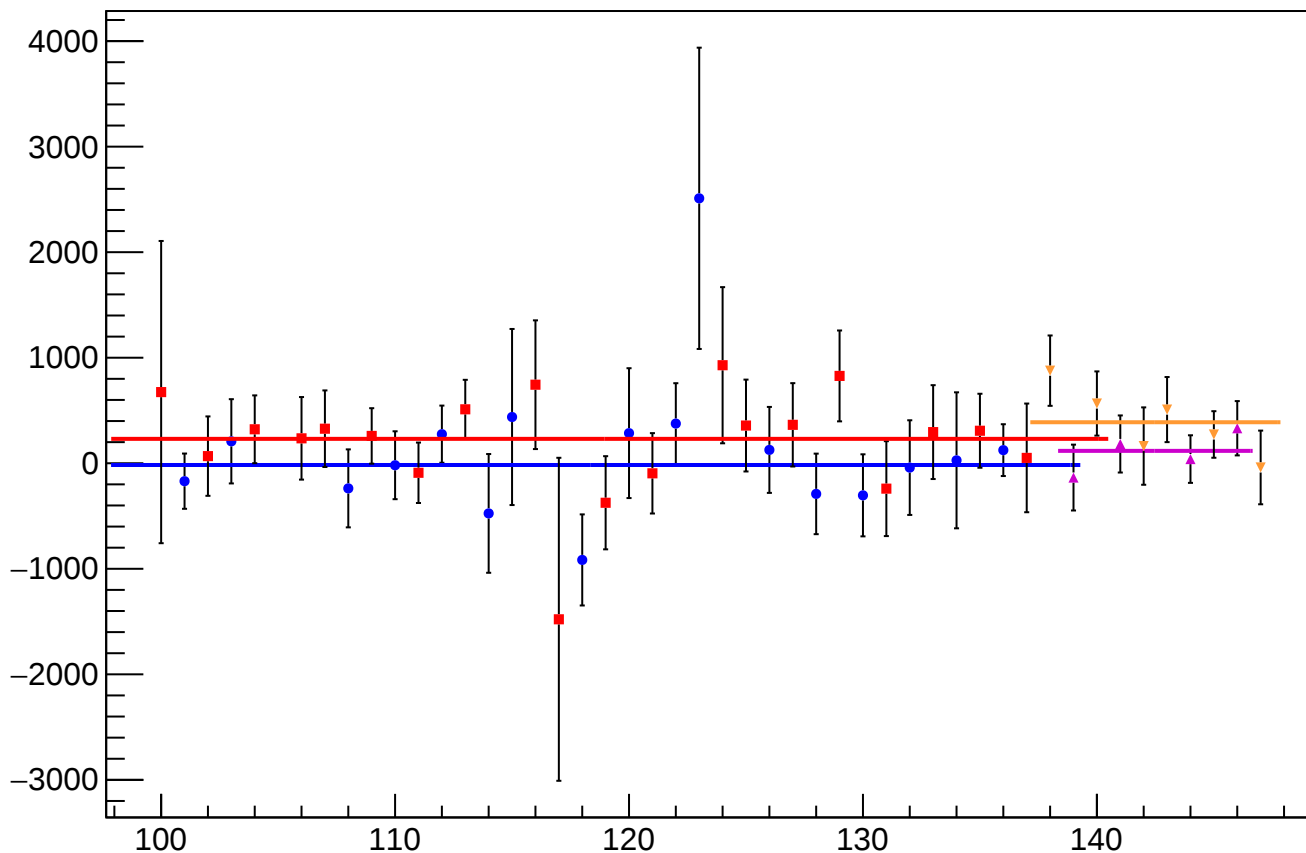
Left In: 724.961+/-0.301 χ^2/NDF : 493895.7/3

817.547+/-0.298 χ^2/NDF : 646810.2/5

771.733+/-0.211 χ^2/NDF : 1188610.0/9

724.961+/-0.301 χ^2/NDF : 493895.7/3

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 388.632 ± 122.615 χ^2/NDF : 4.8/5

Right Out: 231.209 ± 88.787 χ^2/NDF : 11.6/19

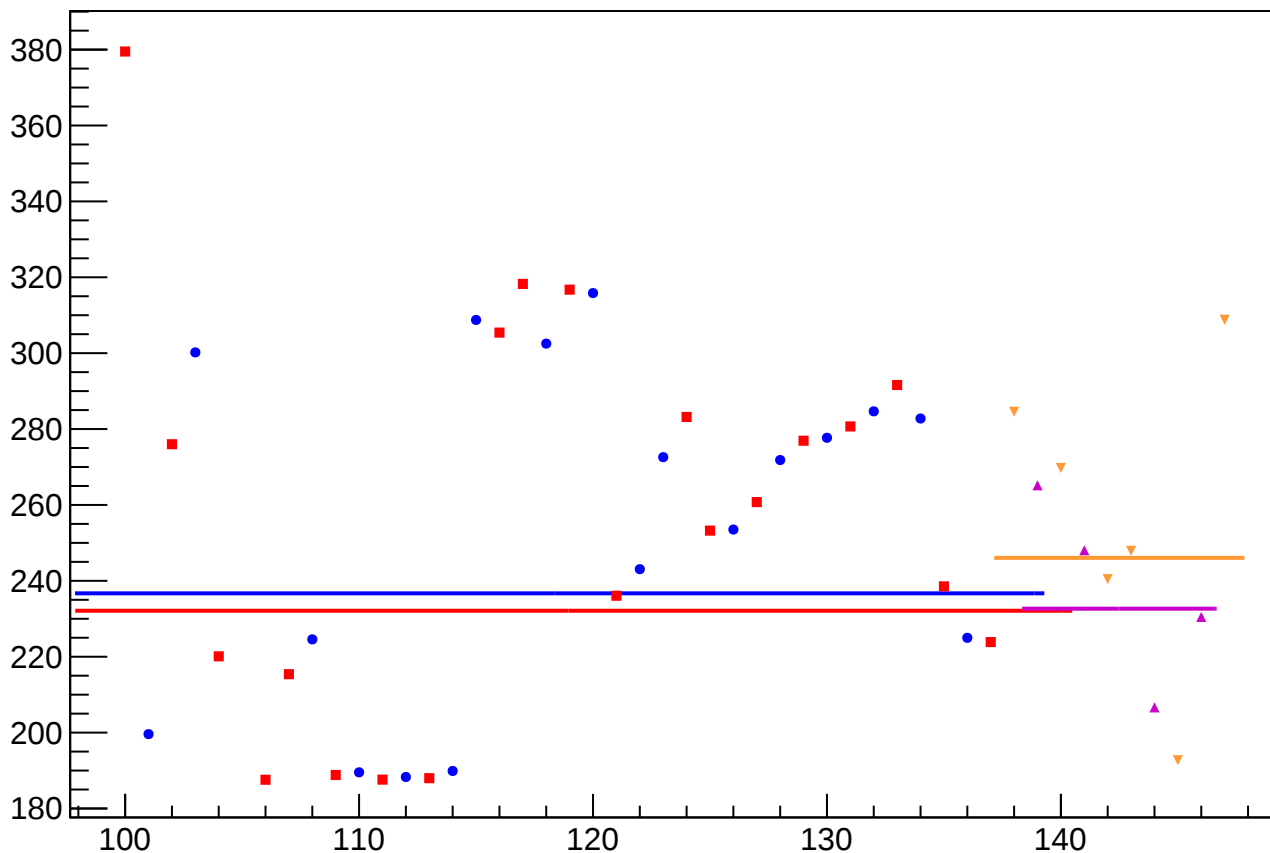
Left In: 117.358 ± 130.502 χ^2/NDF : 1.5/3

132.051 ± 74.241 χ^2/NDF : 25.2/22

163.974 ± 52.200 χ^2/NDF : 39.2/46

195.185 ± 73.409 χ^2/NDF : 13.6/23

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 ± 0.066 χ^2/NDF : 390344.9/16

Left Out: 246.051 ± 0.087 χ^2/NDF : 220867.1/5

Right Out: 232.119 ± 0.063 χ^2/NDF : 449633.1/19

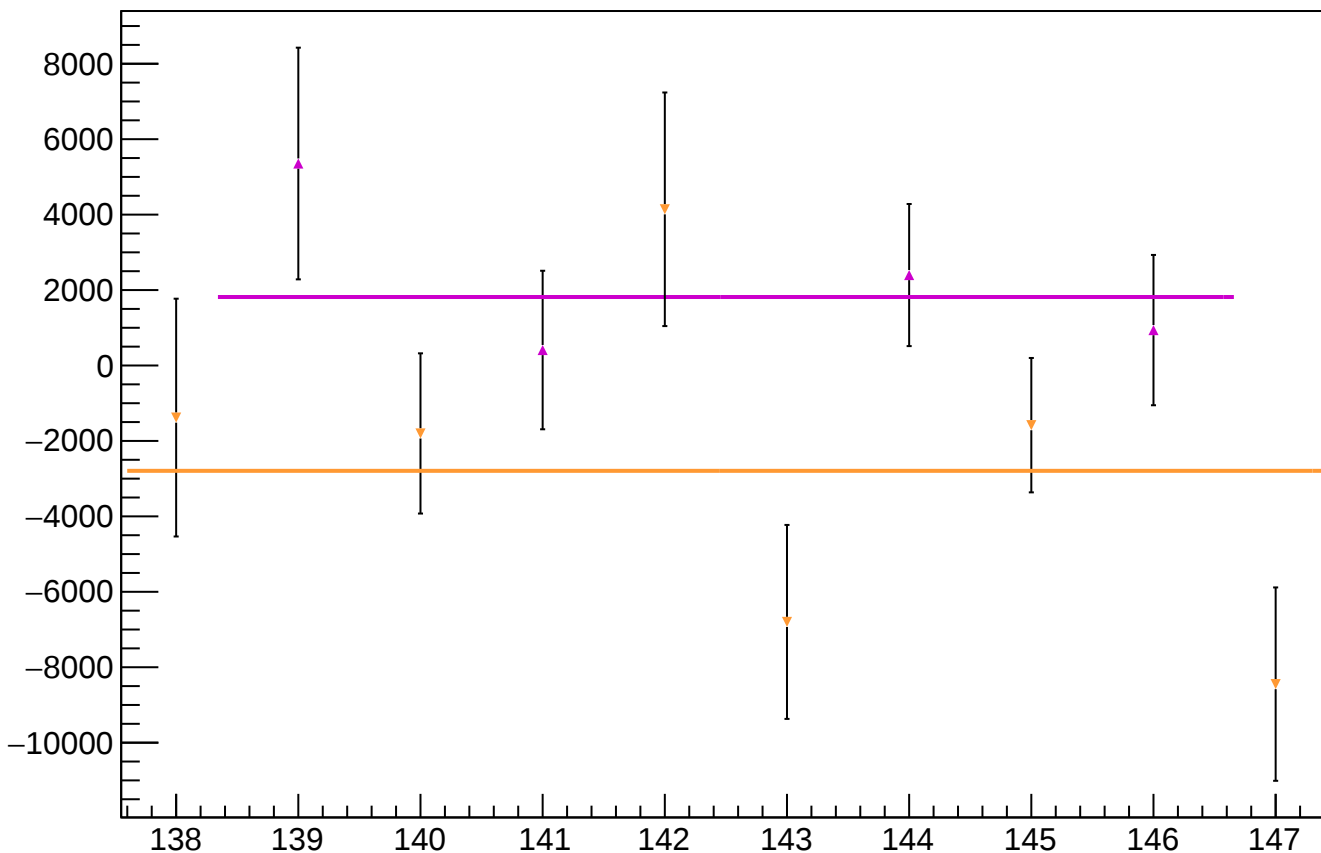
Left In: 232.660 ± 0.092 χ^2/NDF : 54962.0/3

240.132 ± 0.052 χ^2/NDF : 618569.7/22

236.167 ± 0.037 χ^2/NDF : 1134470.8/46

232.290 ± 0.052 χ^2/NDF : 504618.5/23

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2792.732+/-978.180 χ^2/NDF : 13.2/5

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

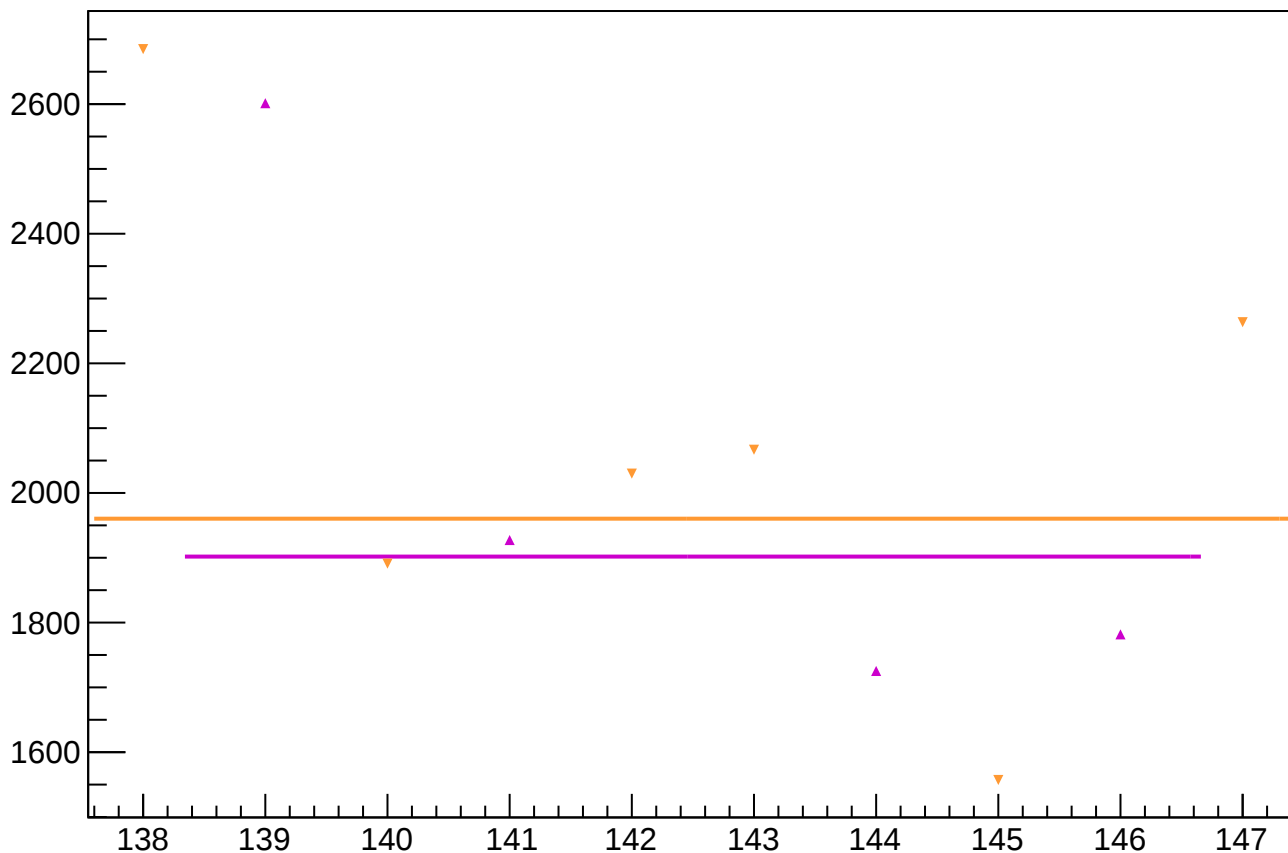
Left In: 1815.879+/-1074.548 χ^2/NDF : 2.1/3

-2792.732+/-978.180 χ^2/NDF : 13.2/5

-704.308+/-723.353 χ^2/NDF : 25.3/9

1815.879+/-1074.548 χ^2/NDF : 2.1/3

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 1960.308+/-0.692 χ^2/NDF : 242640.2/5

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

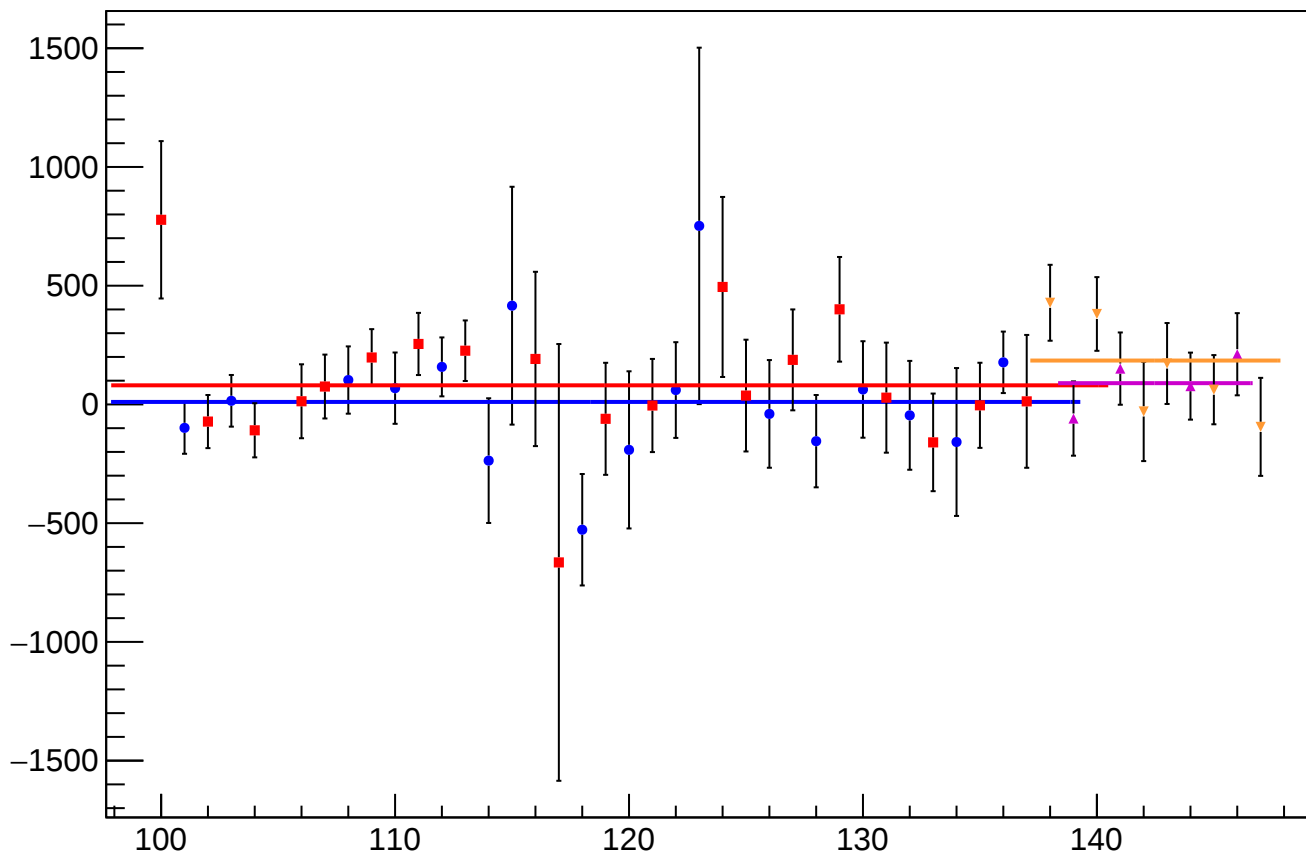
Left In: 1901.825+/-0.760 χ^2/NDF : 128872.5/3

1960.308+/-0.692 χ^2/NDF : 242640.2/5

1933.806+/-0.511 χ^2/NDF : 374752.4/9

1901.825+/-0.760 χ^2/NDF : 128872.5/3

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2 /NDF: 14.1/16

Left Out: 184.817 $\pm$ 69.247 χ^2 /NDF: 7.5/5

Right Out: 80.462 $\pm$ 38.950 χ^2 /NDF: 19.9/19

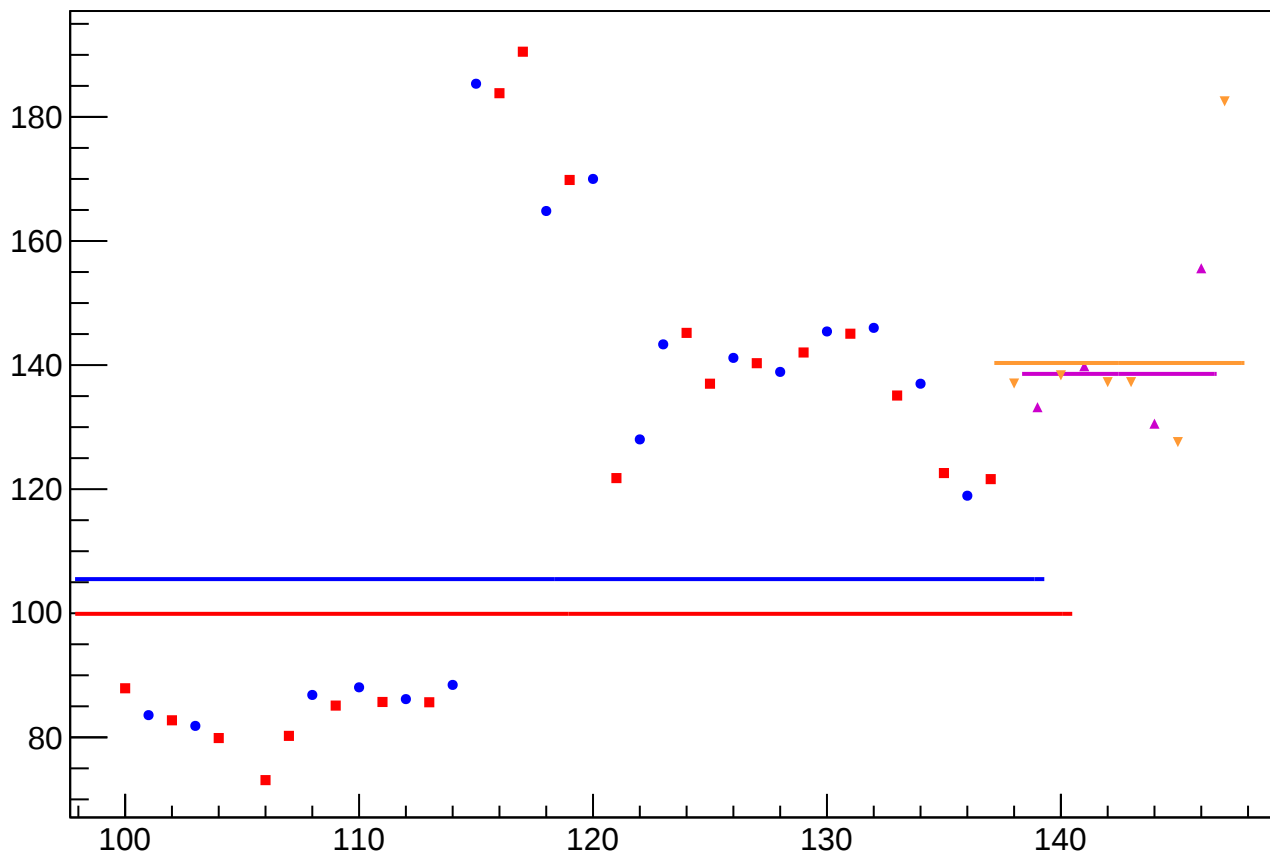
Left In: 89.572 $\pm$ 77.230 χ^2 /NDF: 1.6/3

57.883 $\pm$ 36.094 χ^2 /NDF: 26.2/22

70.550 $\pm$ 25.044 χ^2 /NDF: 47.9/46

82.309 $\pm$ 34.777 χ^2 /NDF: 21.4/23

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503±/0.030 χ^2/NDF : 869022.6/16

Left Out: 140.339±/0.049 χ^2/NDF :101089.3/5

Right Out: 99.907±/0.028 χ^2/NDF : 1019545.3/19

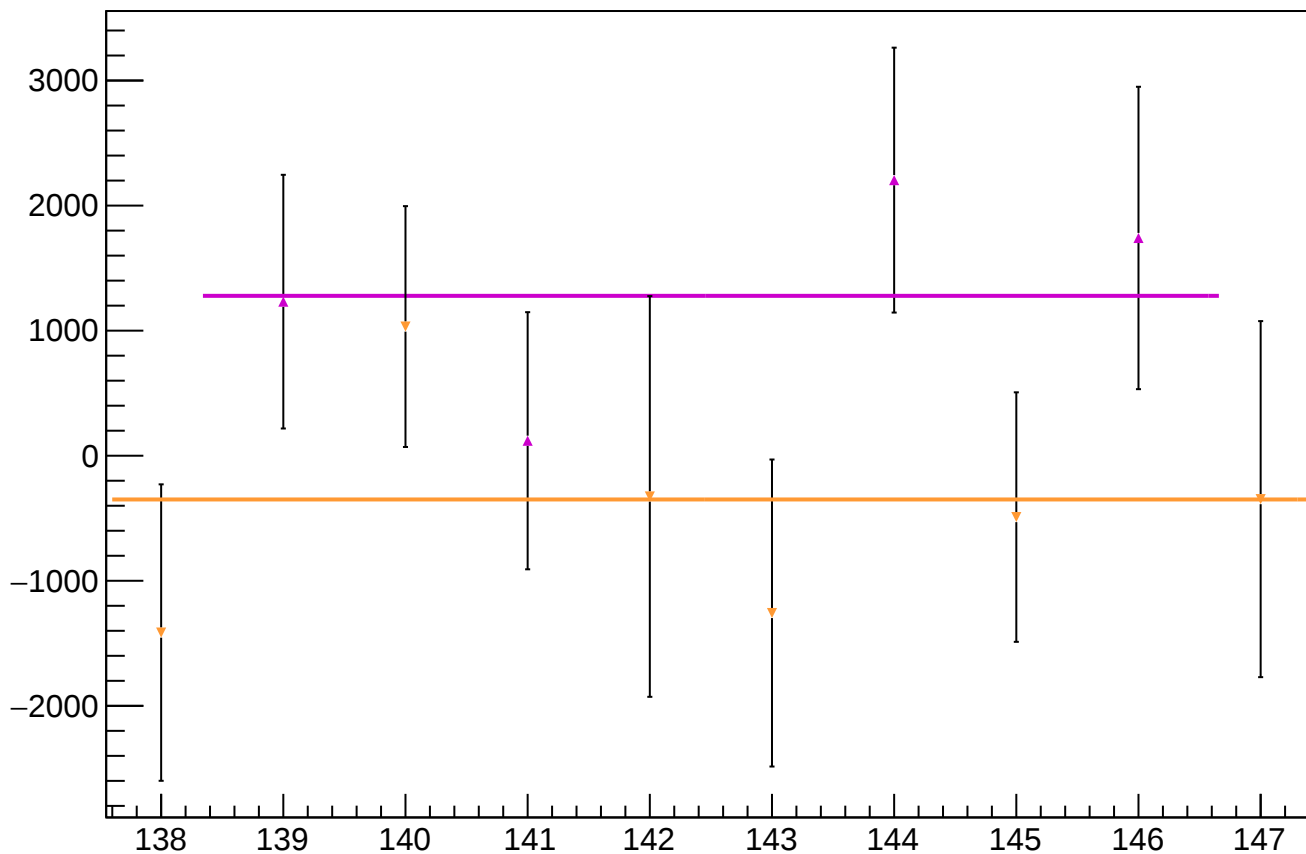
Left In: 138.581±/0.055 χ^2/NDF :28308.9/3

114.968±/0.026 χ^2/NDF : 1338768.8/22

111.224±/0.018 χ^2/NDF : 2827940.1/46

107.749±/0.025 χ^2/NDF : 1447688.6/23

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -349.828+/-479.894 χ^2/NDF : 3.4/5

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

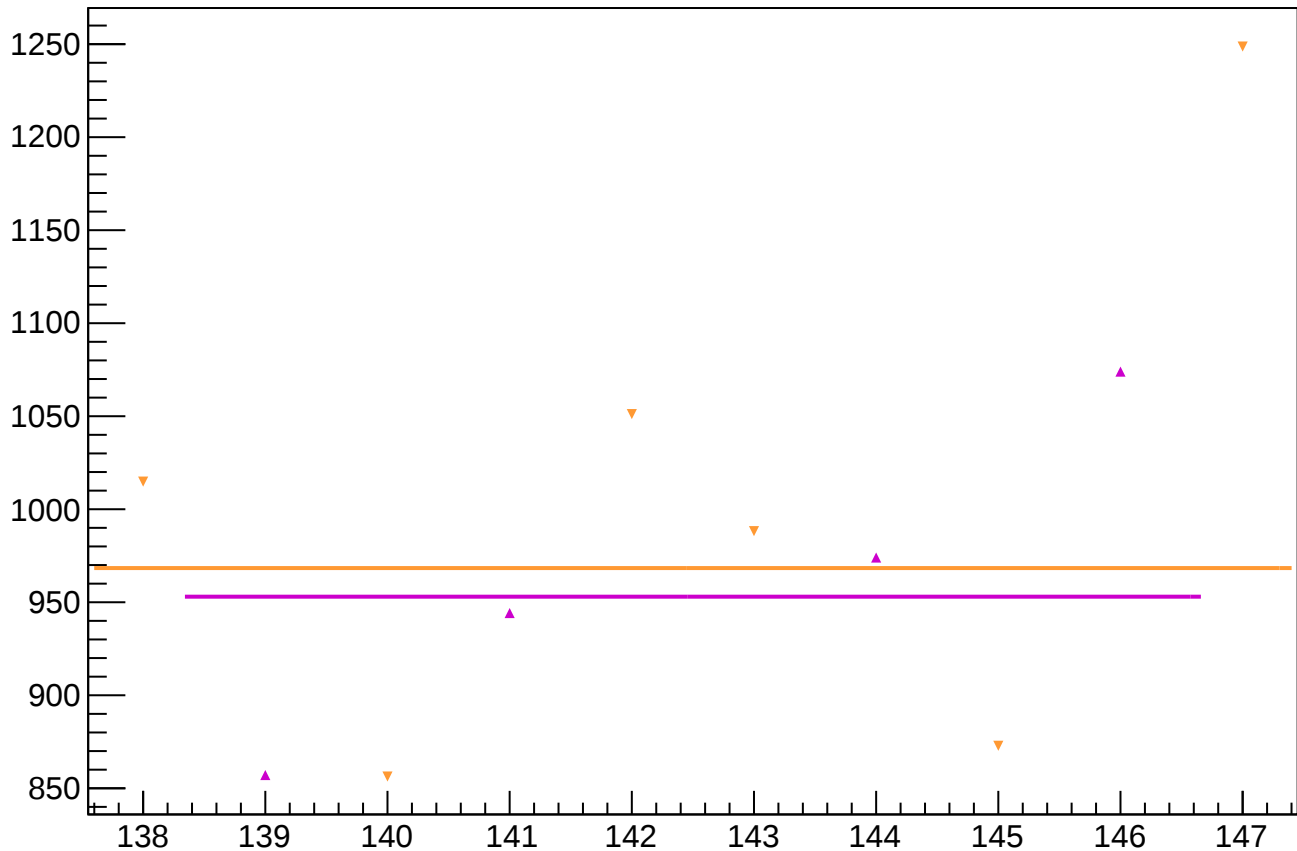
Left In: 1278.417+/-534.971 χ^2/NDF : 2.2/3

-349.828+/-479.894 χ^2/NDF : 3.4/5

376.188+/-357.227 χ^2/NDF : 10.8/9

1278.417+/-534.971 χ^2/NDF : 2.2/3

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 968.376+/-0.339 χ^2/NDF : 131936.9/5

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

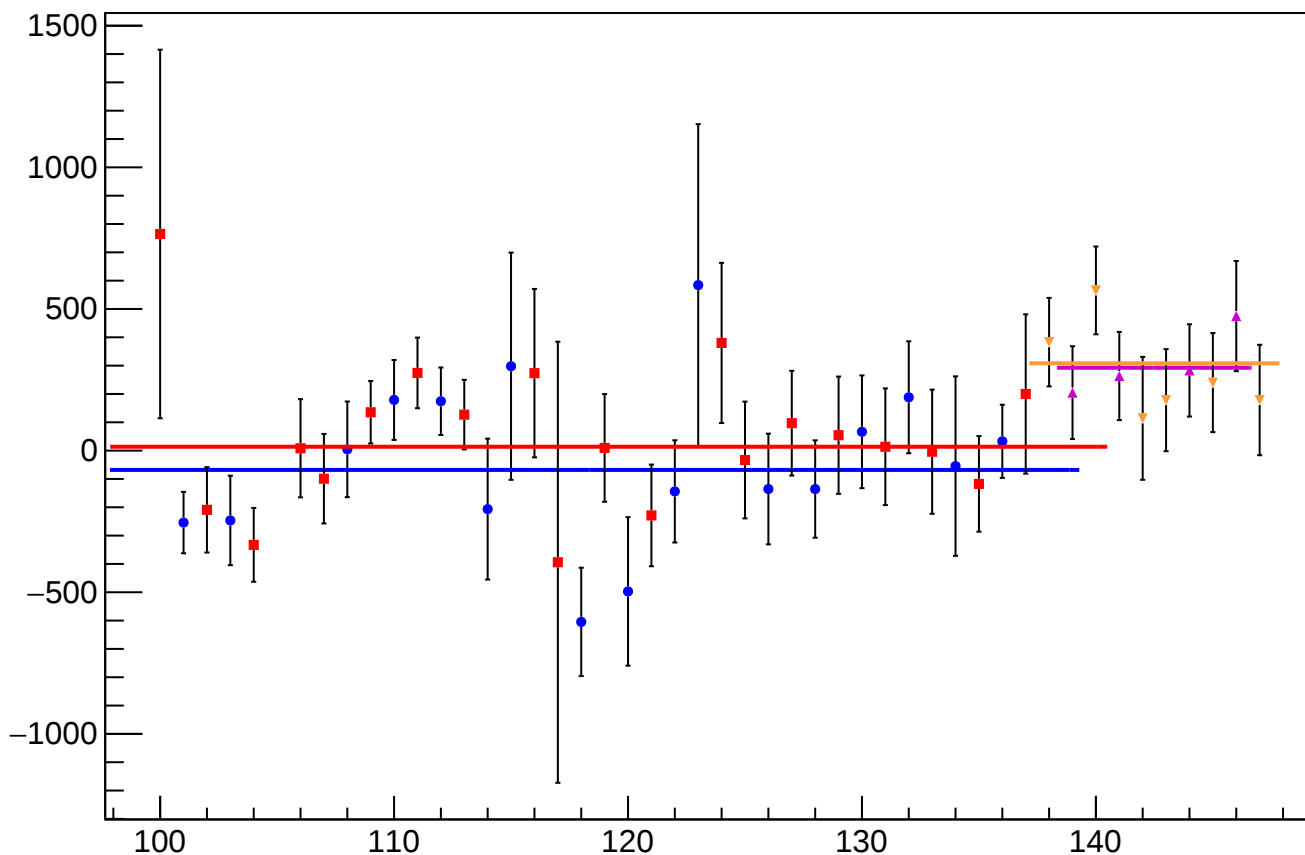
Left In: 952.997+/-0.378 χ^2/NDF : 38837.0/3

968.376+/-0.339 χ^2/NDF : 131936.9/5

961.519+/-0.253 χ^2/NDF : 171689.8/9

952.997+/-0.378 χ^2/NDF : 38837.0/3

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 $\pm$ 42.265 χ^2 /NDF: 27.8/16

Left Out: 308.294 $\pm$ 71.846 χ^2 /NDF: 4.9/5

Right Out: 13.752 $\pm$ 39.416 χ^2 /NDF: 23.4/19

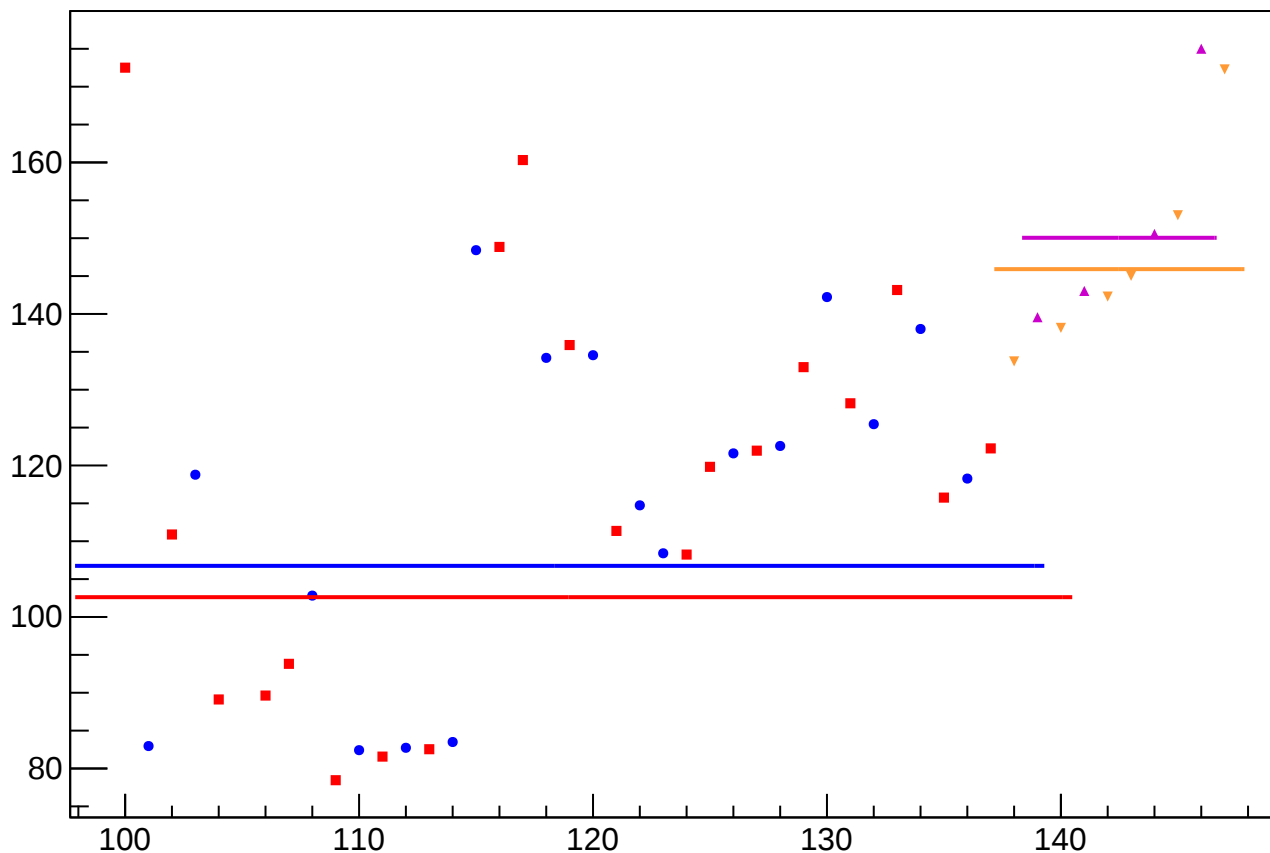
Left In: 292.514 $\pm$ 83.745 χ^2 /NDF: 1.2/3

28.662 $\pm$ 36.429 χ^2 /NDF: 53.1/22

46.863 $\pm$ 25.484 χ^2 /NDF: 87.3/46

64.306 $\pm$ 35.663 χ^2 /NDF: 33.7/23

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 145.916+/-0.051 χ^2/NDF : 57665.6/5

Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

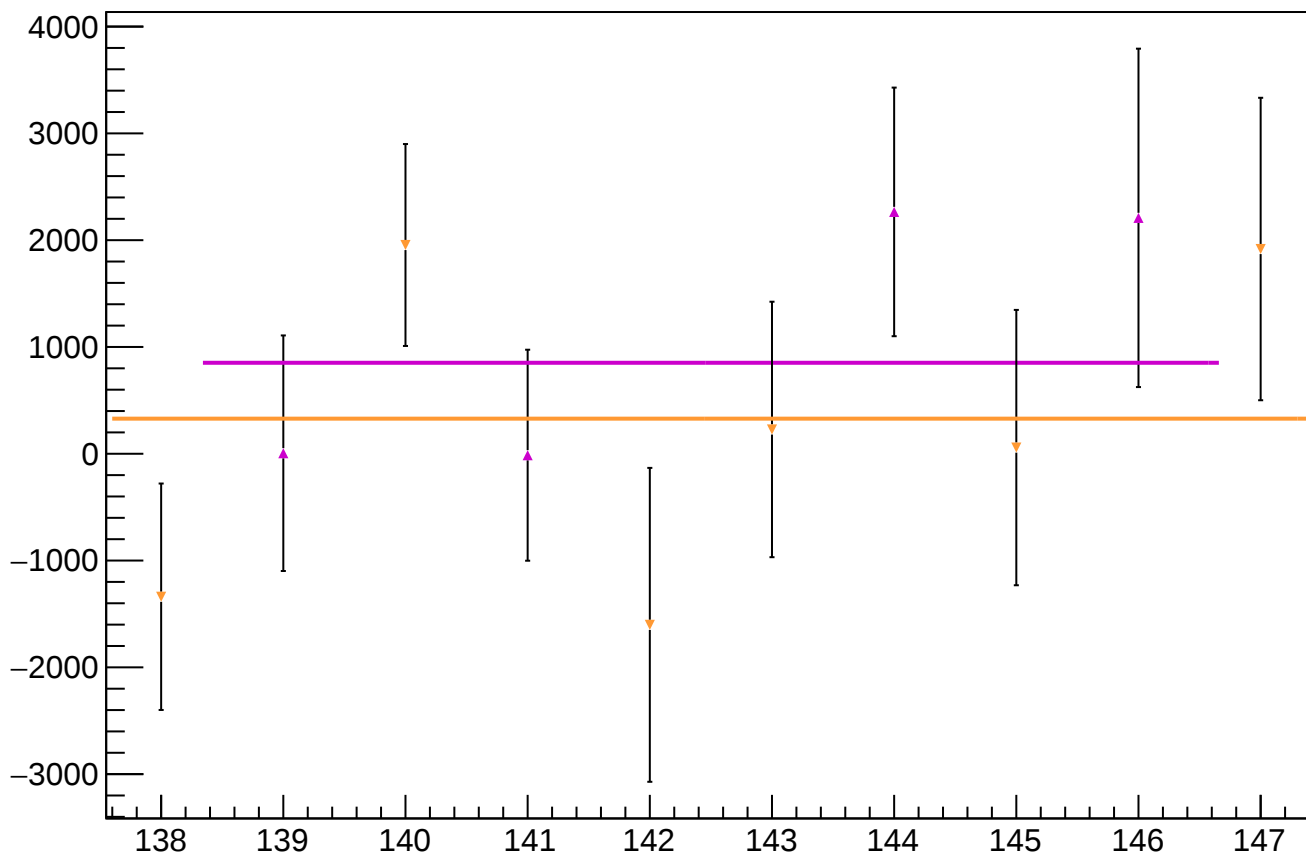
Left In: 150.054+/-0.059 χ^2/NDF : 45219.7/3

116.819+/-0.026 χ^2/NDF : 1000967.9/22

113.959+/-0.018 χ^2/NDF : 2196064.6/46

111.218+/-0.025 χ^2/NDF : 1170958.5/23

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 328.752+/-483.894 χ^2/NDF : 8.5/5

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

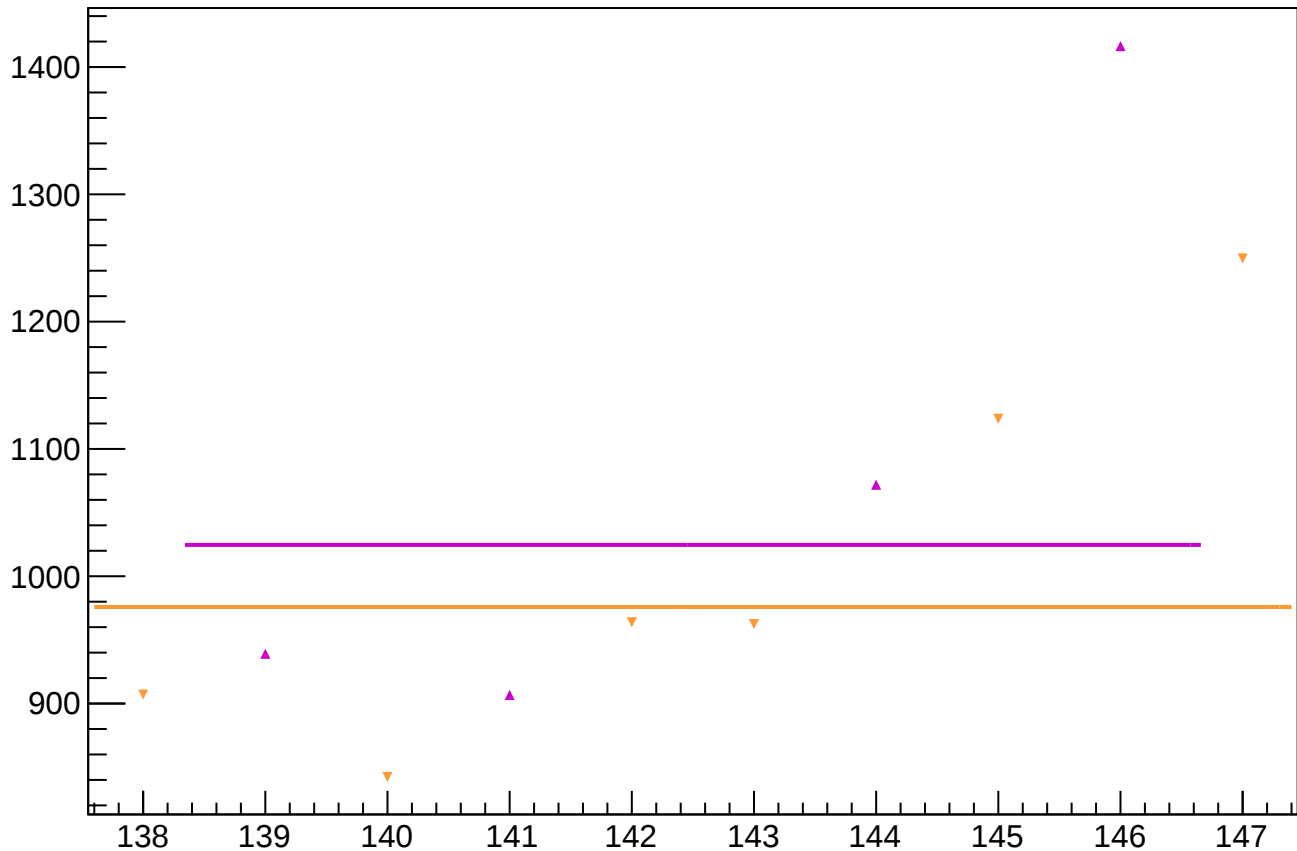
Left In: 851.960+/-578.962 χ^2/NDF : 3.6/3

328.752+/-483.894 χ^2/NDF : 8.5/5

543.929+/-371.288 χ^2/NDF : 12.5/9

851.960+/-578.962 χ^2/NDF : 3.6/3

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 975.845+/-0.342 χ^2/NDF : 149795.6/5

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

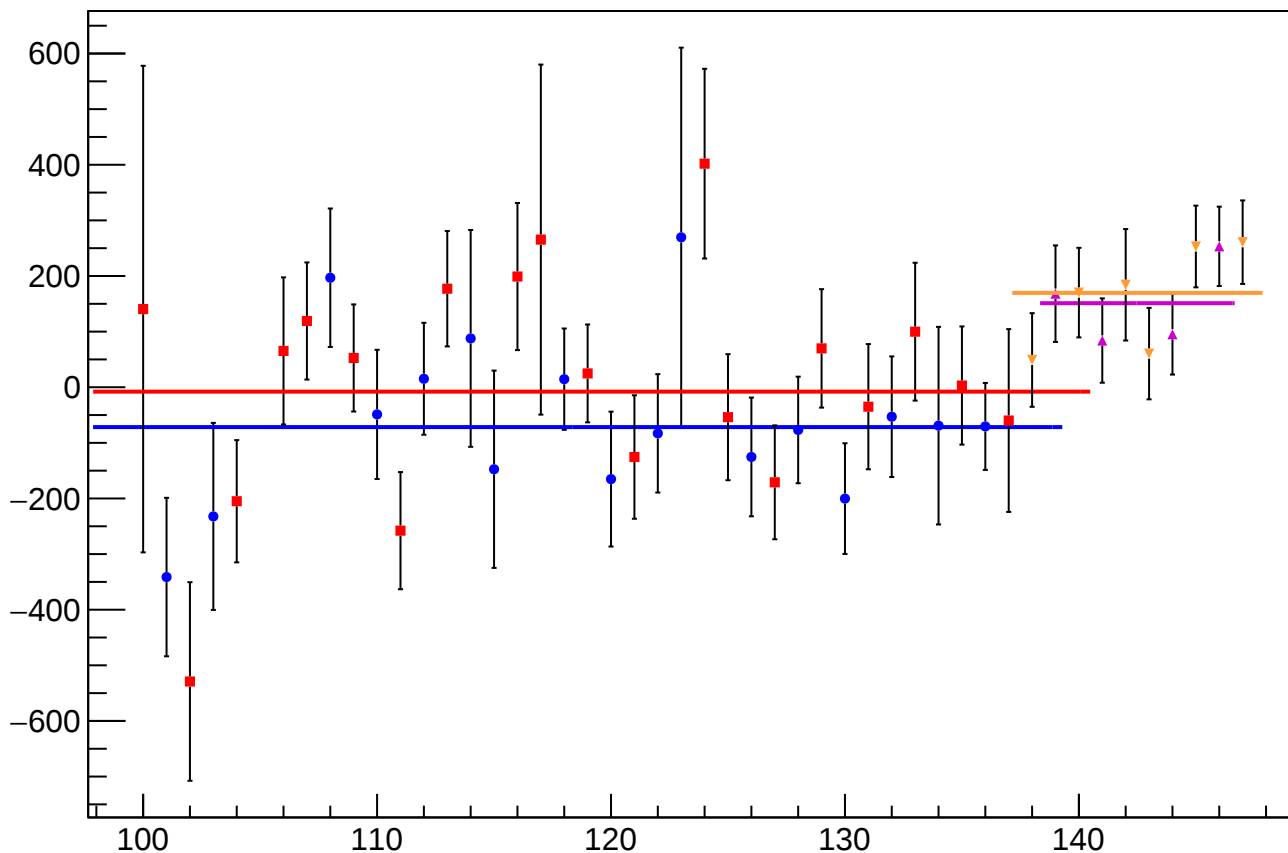
Left In: 1024.606+/-0.409 χ^2/NDF : 166093.0/3

975.845+/-0.342 χ^2/NDF : 149795.6/5

995.899+/-0.263 χ^2/NDF : 324240.5/9

1024.606+/-0.409 χ^2/NDF : 166093.0/3

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 $\pm$ 28.358 χ^2/NDF : 15.2/16

Left Out: 169.628 $\pm$ 33.229 χ^2/NDF : 6.6/5

Right Out: -7.933 $\pm$ 26.719 χ^2/NDF : 37.2/19

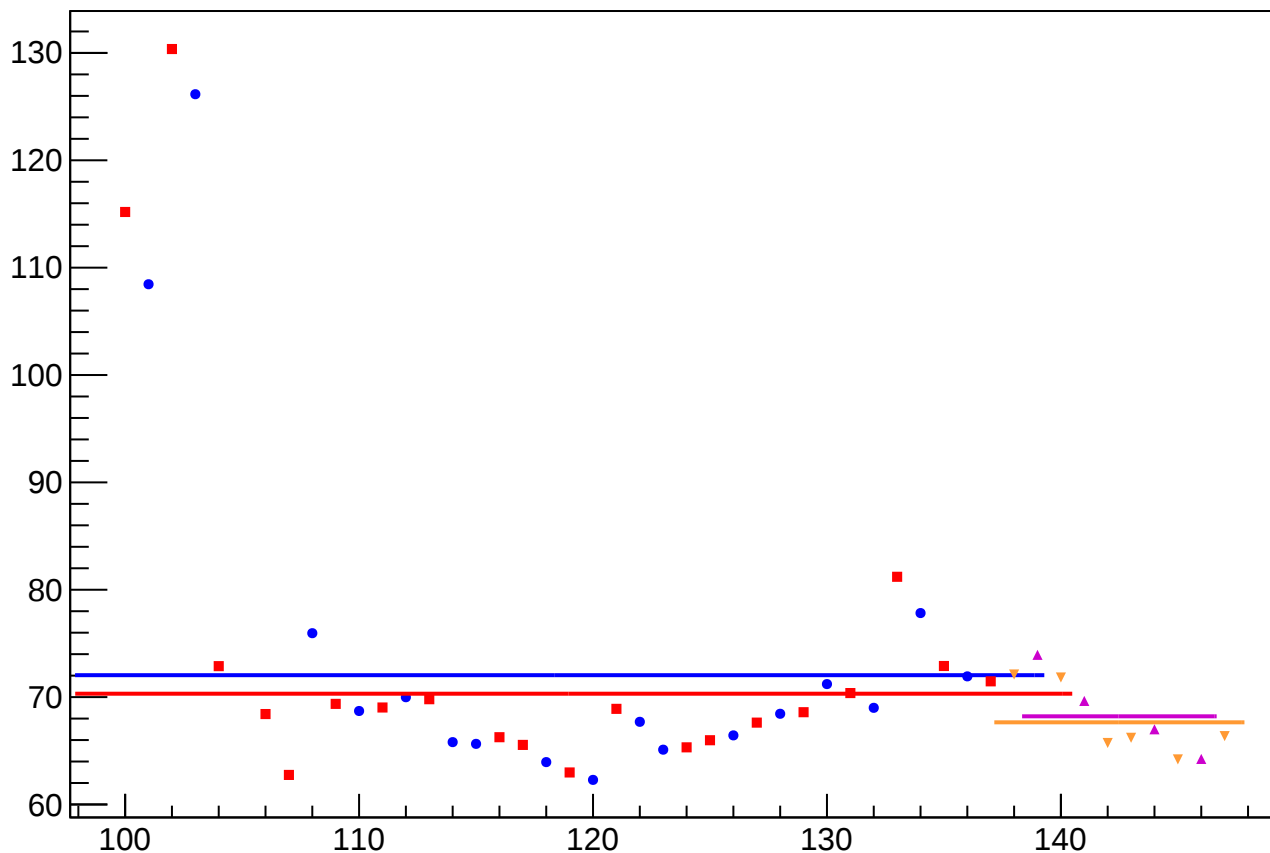
Left In: 151.108 $\pm$ 37.967 χ^2/NDF : 3.5/3

30.014 $\pm$ 21.571 χ^2/NDF : 52.4/22

37.284 $\pm$ 15.351 χ^2/NDF : 105.0/46

44.744 $\pm$ 21.851 χ^2/NDF : 52.4/23

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 ± 0.020 $\chi^2/\text{NDF}: 391971.7/16$

Left Out: 67.651 ± 0.023 $\chi^2/\text{NDF}: 17335.7/5$

Right Out: 70.316 ± 0.019 $\chi^2/\text{NDF}: 299468.0/19$

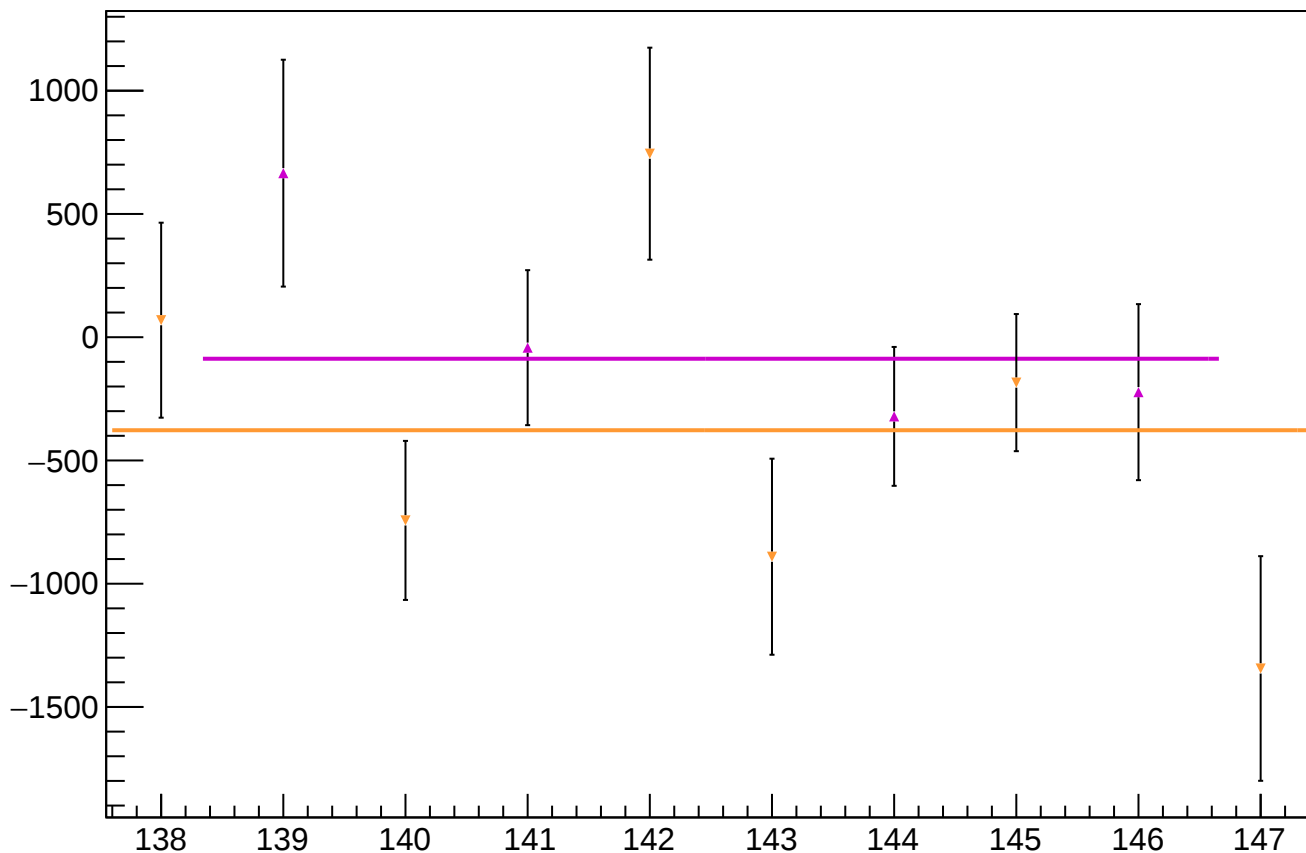
Left In: 68.211 ± 0.027 $\chi^2/\text{NDF}: 16167.6/3$

70.192 ± 0.015 $\chi^2/\text{NDF}: 429518.8/22$

69.909 ± 0.011 $\chi^2/\text{NDF}: 749963.7/46$

69.619 ± 0.015 $\chi^2/\text{NDF}: 319748.8/23$

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -377.388+/-148.291 χ^2/NDF : 16.0/5

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

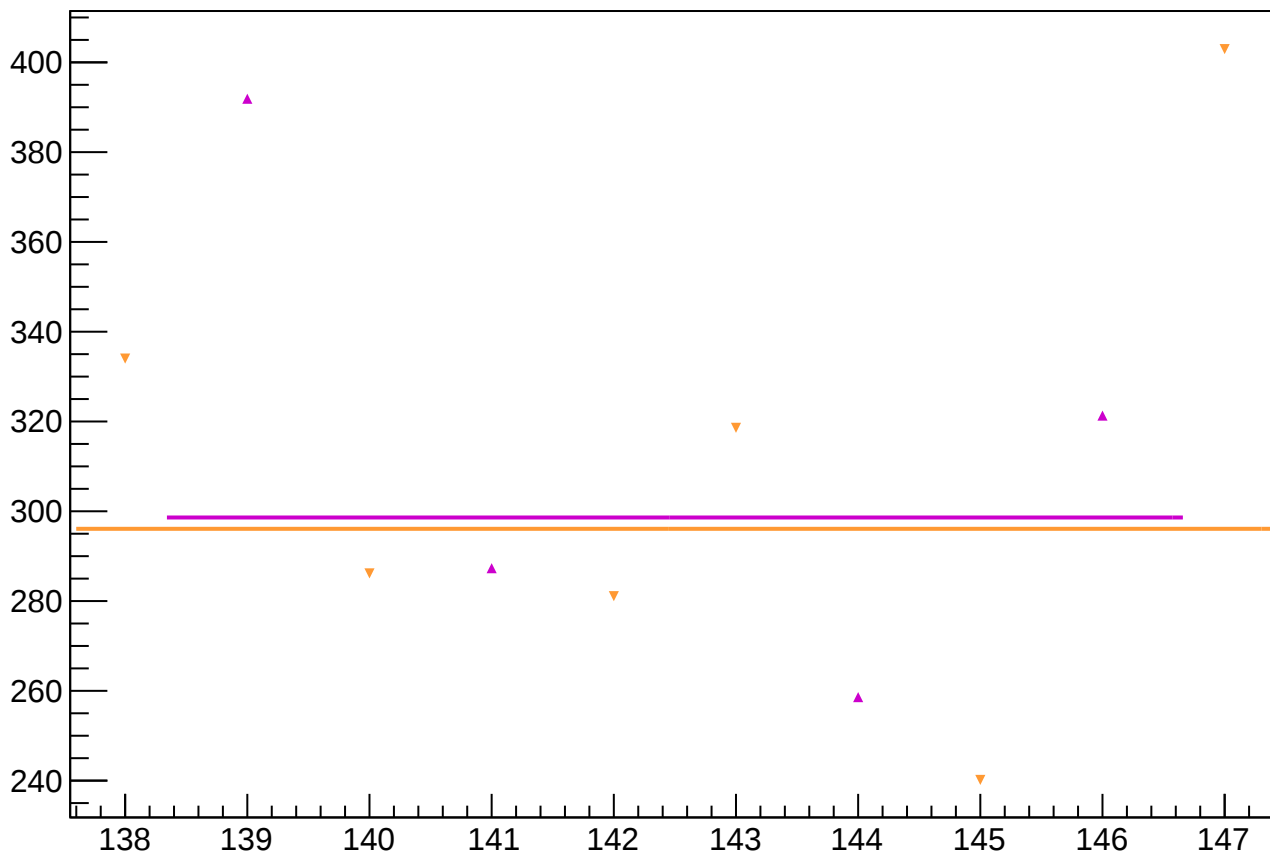
Left In: -87.354+/-168.348 χ^2/NDF : 3.5/3

-377.388+/-148.291 χ^2/NDF : 16.0/5

-250.669+/-111.276 χ^2/NDF : 21.2/9

-87.354+/-168.348 χ^2/NDF : 3.5/3

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 296.094+/-0.105 χ^2/NDF : 220001.3/5

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

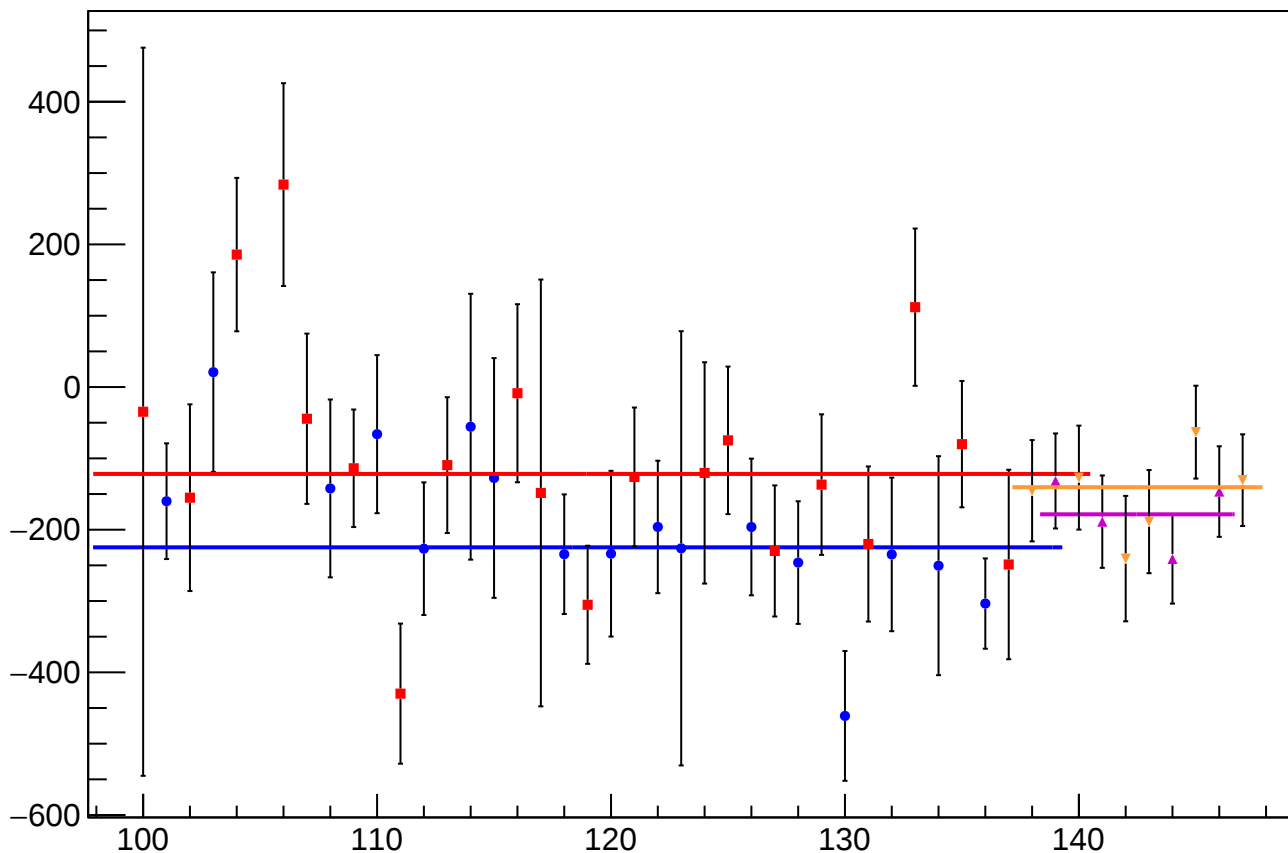
Left In: 298.615+/-0.119 χ^2/NDF : 133195.8/3

296.094+/-0.105 χ^2/NDF : 220001.3/5

297.195+/-0.079 χ^2/NDF : 353449.6/9

298.615+/-0.119 χ^2/NDF : 133195.8/3

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -140.443 ± 29.049 $\chi^2/\text{NDF}: 3.2/5$

Right Out: -121.814 ± 24.516 $\chi^2/\text{NDF}: 40.5/19$

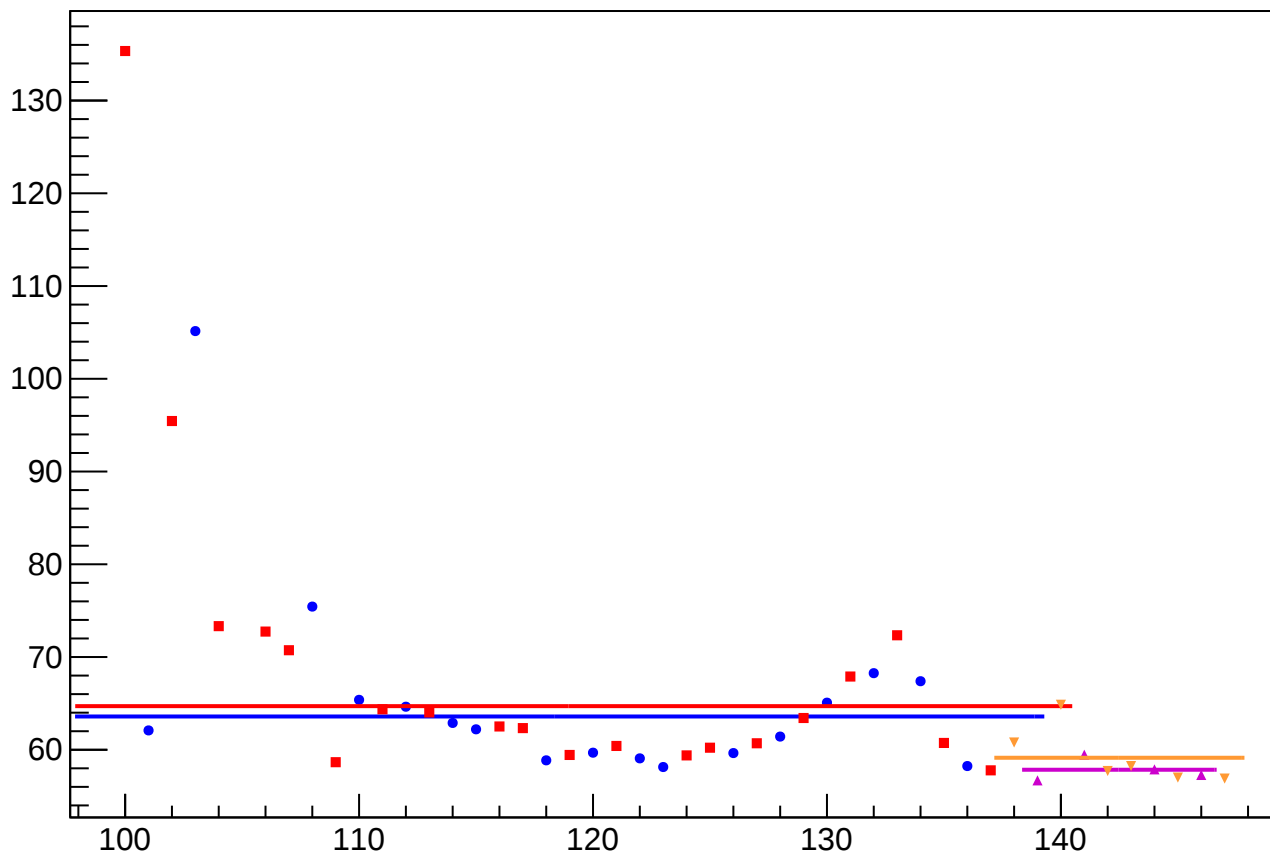
Left In: -178.420 ± 32.152 $\chi^2/\text{NDF}: 1.8/3$

-189.061 ± 18.897 $\chi^2/\text{NDF}: 24.0/22$

-166.567 ± 13.569 $\chi^2/\text{NDF}: 71.2/46$

-142.625 ± 19.495 $\chi^2/\text{NDF}: 44.2/23$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 ± 0.018 χ^2/NDF : 234601.0/16

Left Out: 59.139 ± 0.021 χ^2/NDF : 18791.0/5

Right Out: 64.704 ± 0.017 χ^2/NDF : 227632.6/19

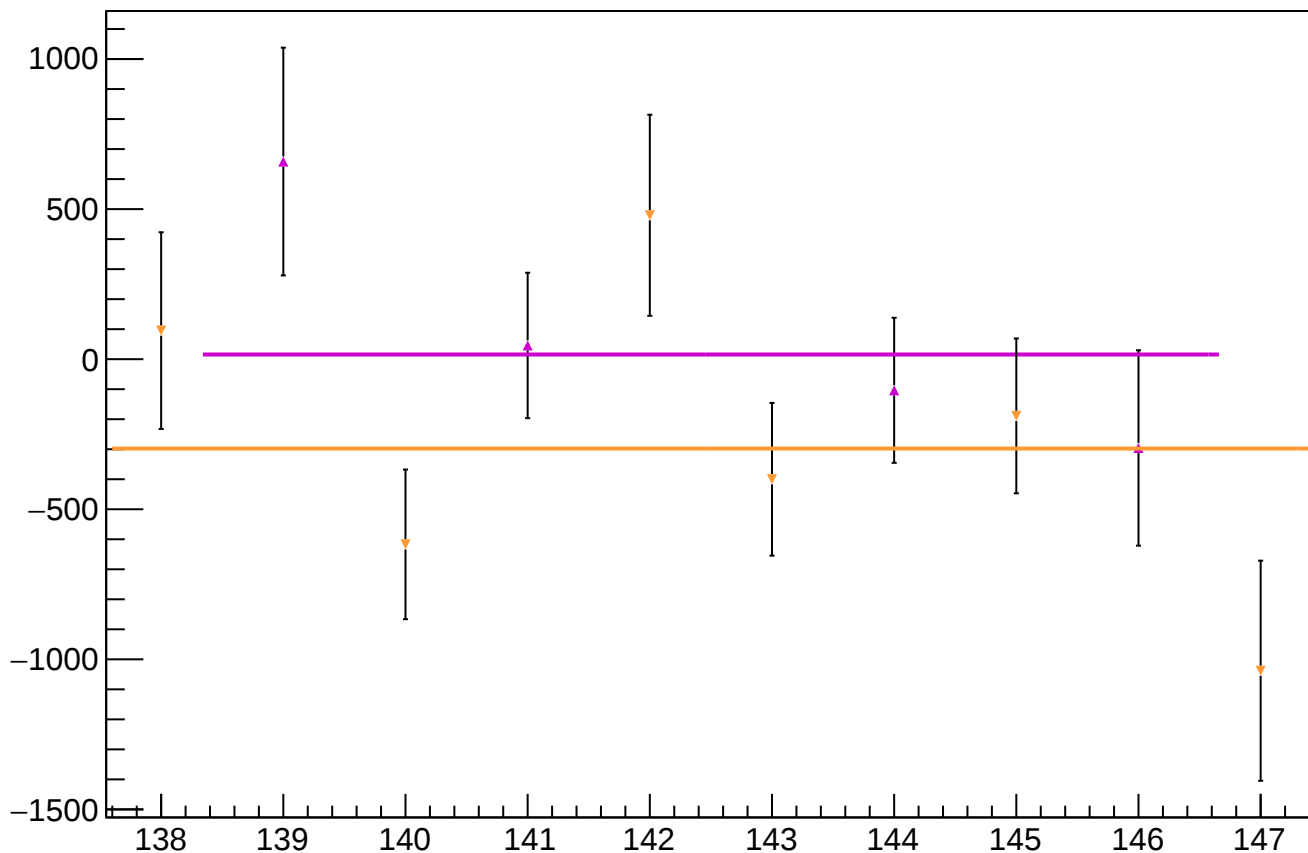
Left In: 57.847 ± 0.023 χ^2/NDF : 2004.5/3

61.706 ± 0.013 χ^2/NDF : 280467.5/22

61.937 ± 0.010 χ^2/NDF : 568249.9/46

62.183 ± 0.014 χ^2/NDF : 287165.1/23

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -297.730+/-117.674 χ^2/NDF : 12.9/5

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

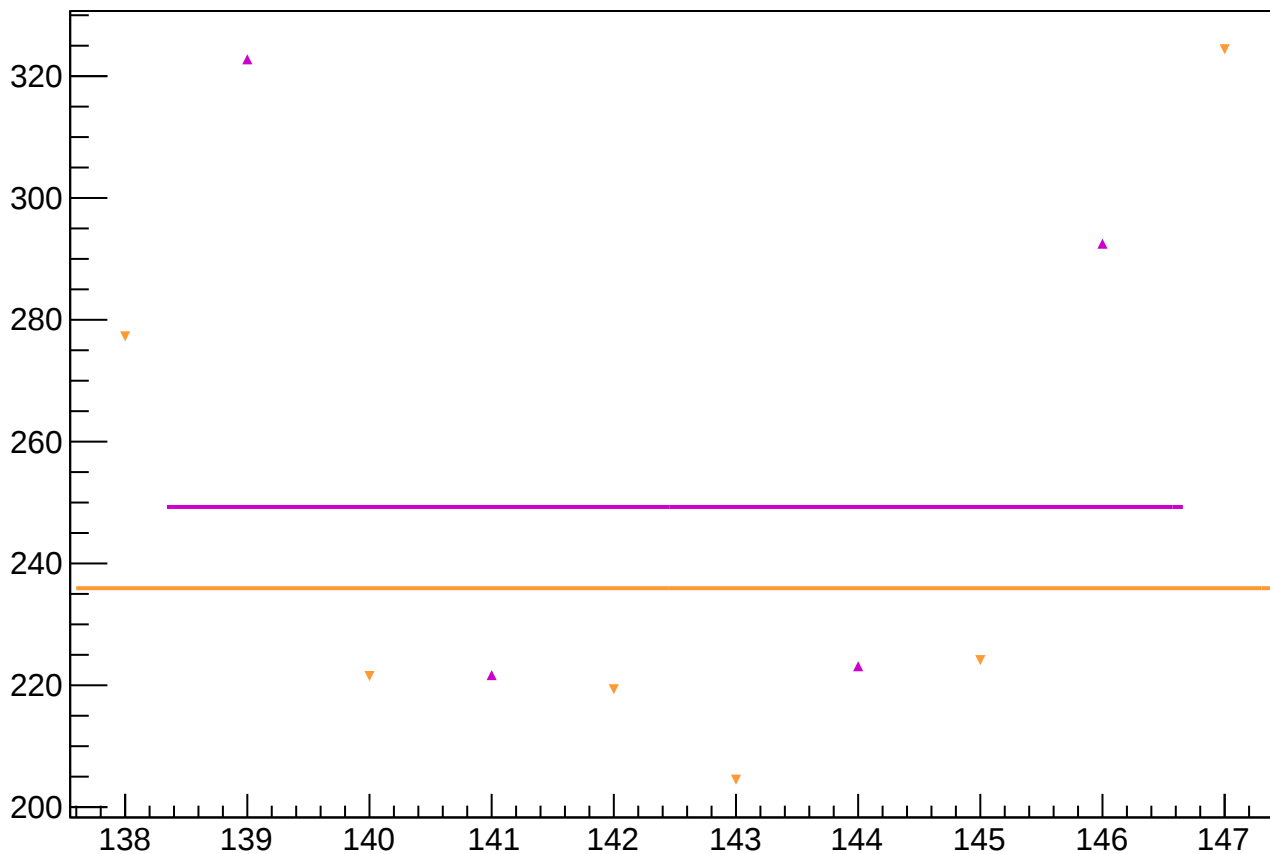
Left In: 15.617+/-140.644 χ^2/NDF : 4.0/3

-297.730+/-117.674 χ^2/NDF : 12.9/5

-168.701+/-90.251 χ^2/NDF : 19.8/9

15.617+/-140.644 χ^2/NDF : 4.0/3

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 235.939+/-0.083 χ^2/NDF : 194598.6/5

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

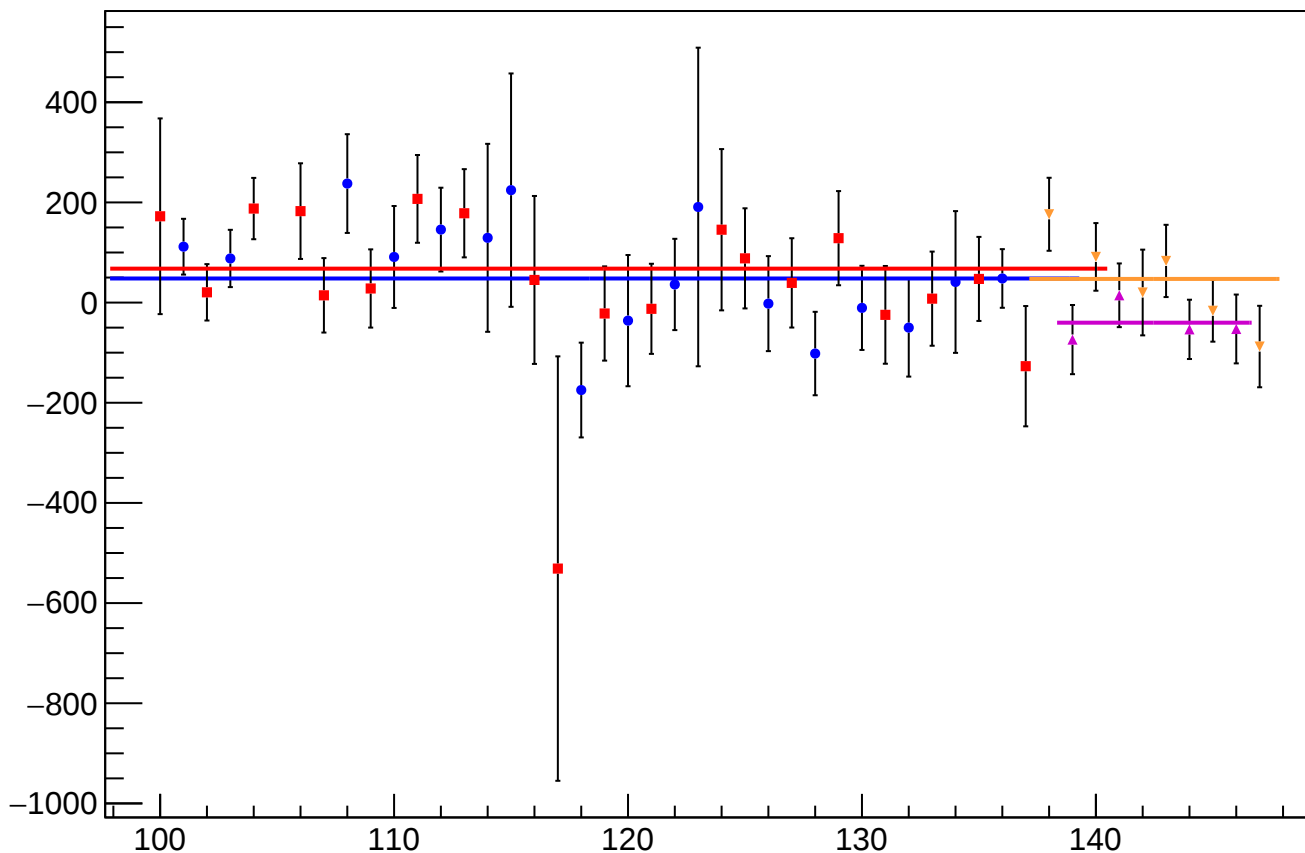
Left In: 249.275+/-0.099 χ^2/NDF : 159680.6/3

235.939+/-0.083 χ^2/NDF : 194598.6/5

241.431+/-0.064 χ^2/NDF : 364856.9/9

249.275+/-0.099 χ^2/NDF : 159680.6/3

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 47.239 $\pm$ 29.481 χ^2 /NDF: 7.7/5

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

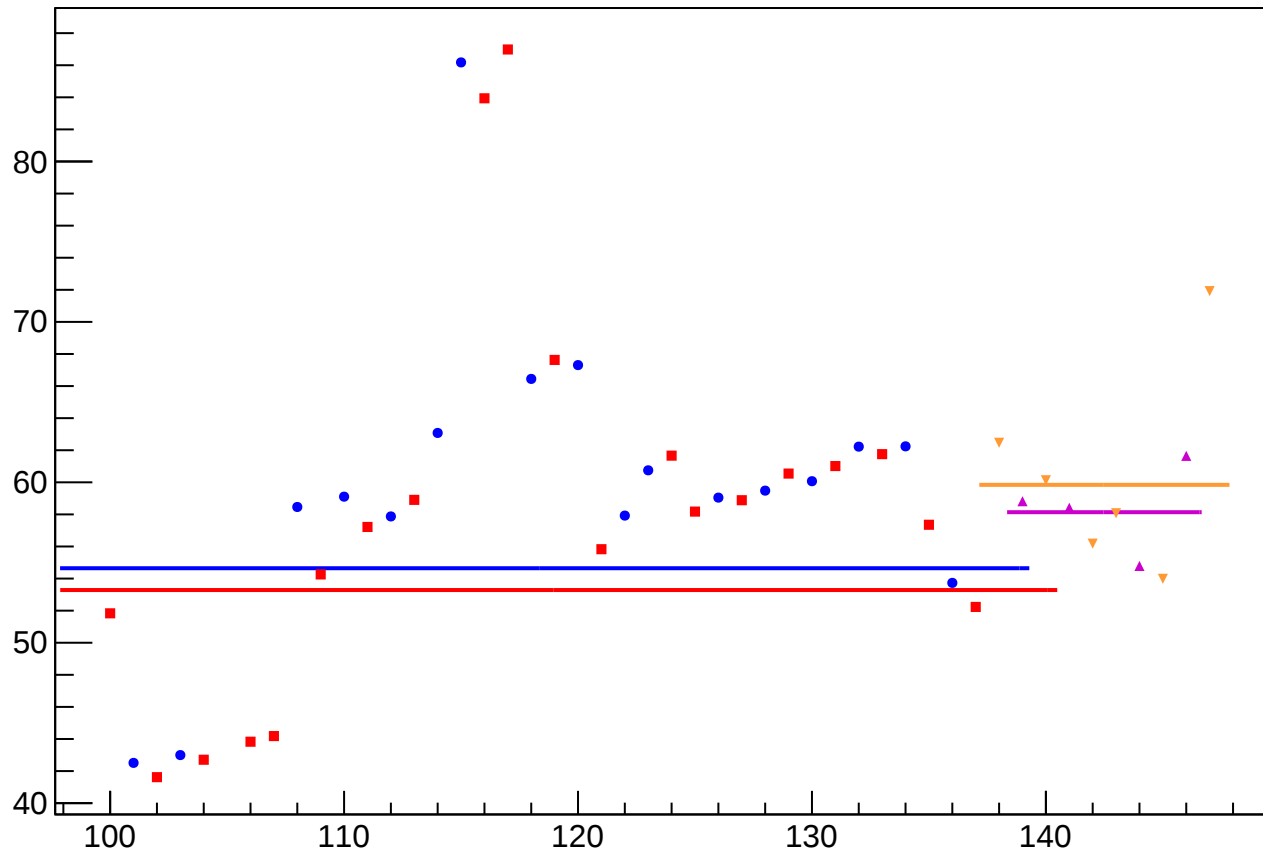
Left In: -40.143 $\pm$ 32.378 χ^2 /NDF: 1.1/3

47.807 $\pm$ 17.377 χ^2 /NDF: 26.7/22

42.433 $\pm$ 12.242 χ^2 /NDF: 55.6/46

37.137 $\pm$ 17.250 χ^2 /NDF: 28.7/23

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 59.843+/-0.021 χ^2/NDF : 69638.7/5

Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

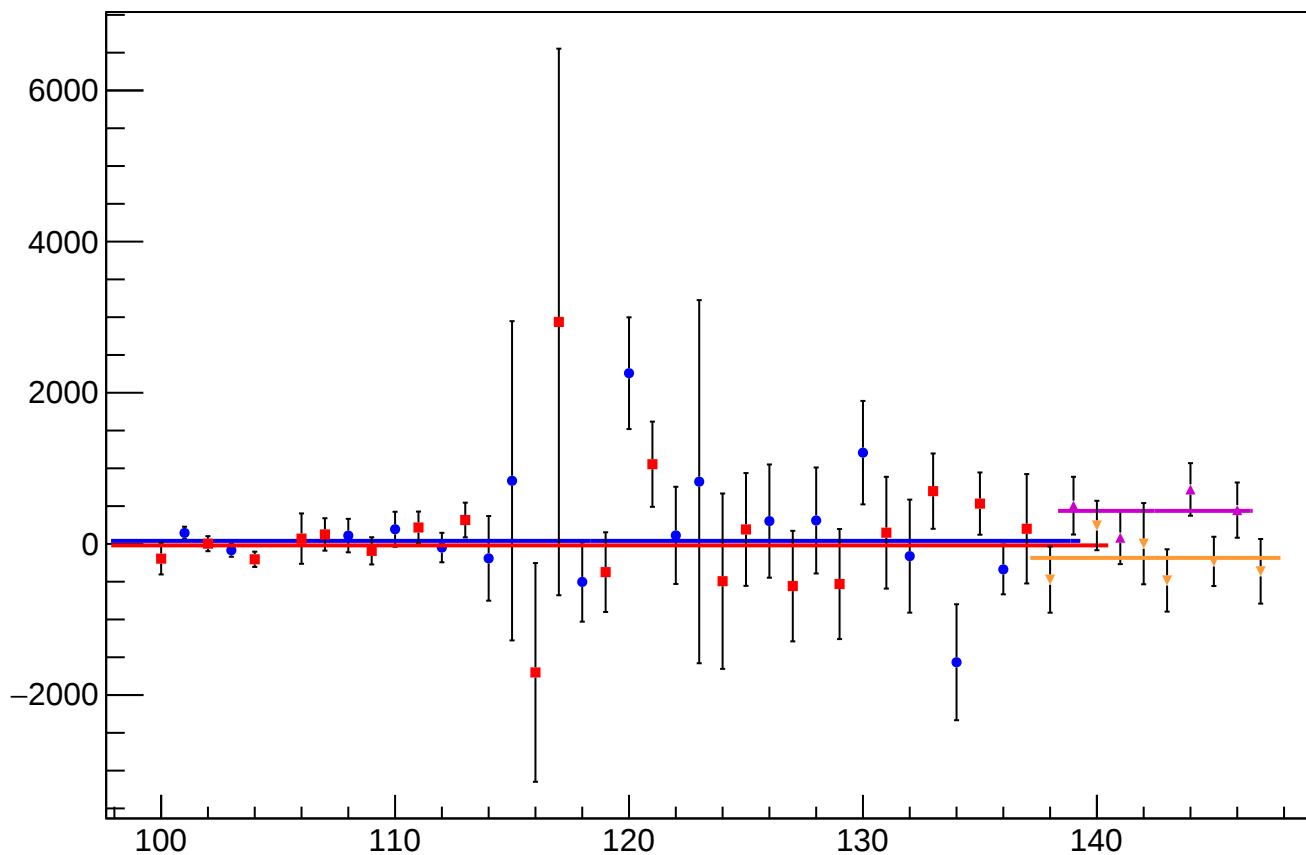
Left In: 58.137+/-0.023 χ^2/NDF : 11860.1/3

56.451+/-0.012 χ^2/NDF : 429513.5/22

55.550+/-0.009 χ^2/NDF : 883187.7/46

54.662+/-0.012 χ^2/NDF : 443005.0/23

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -185.278+/-160.583 χ^2/NDF : 3.0/5

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

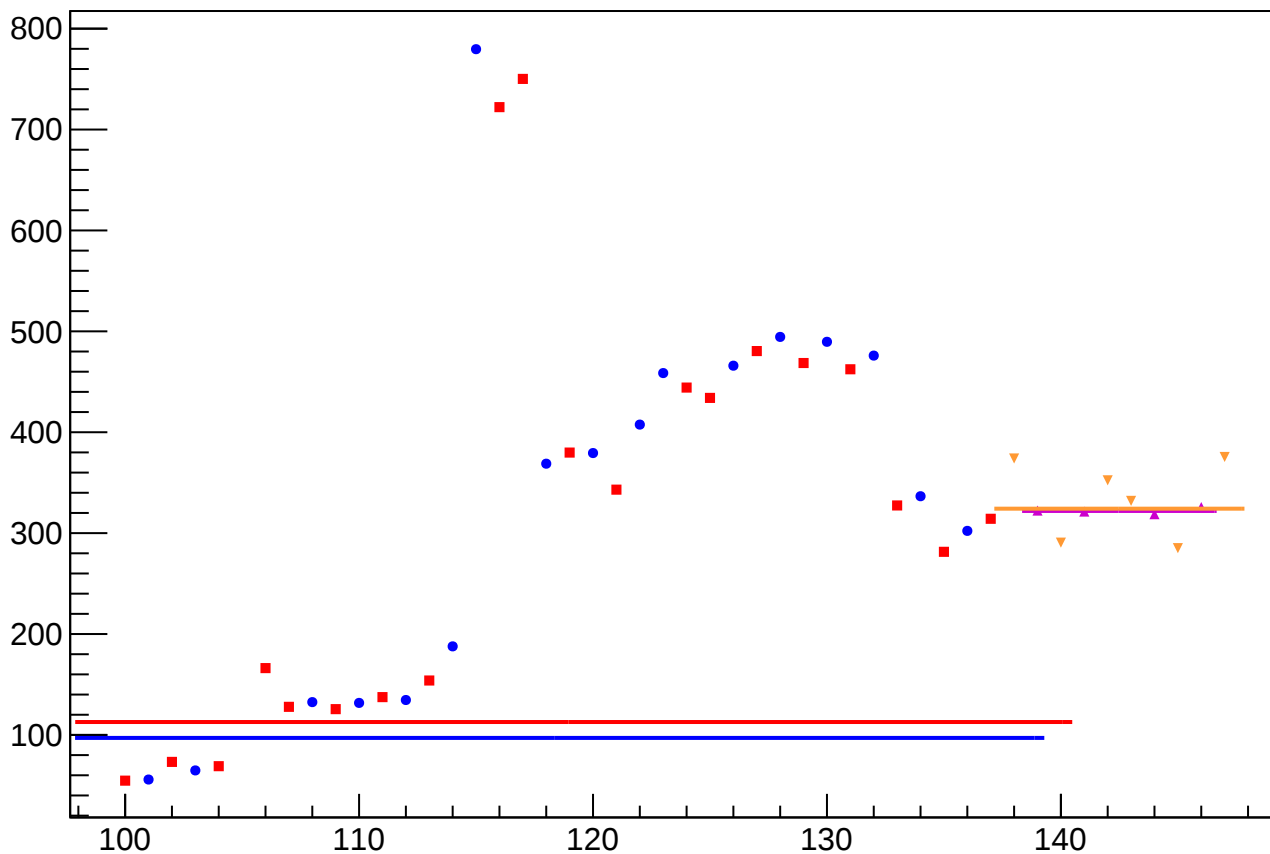
Left In: 437.106+/-180.294 χ^2/NDF : 1.7/3

19.147+/-49.076 χ^2/NDF : 28.6/22

18.153+/-35.391 χ^2/NDF : 55.8/46

17.076+/-51.085 χ^2/NDF : 27.2/23

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039 $\pm$ 0.036 χ^2/NDF : 5819709.2/16

Left Out: 324.242 $\pm$ 0.114 χ^2/NDF : 110702.4/5

Right Out: 112.792 $\pm$ 0.038 χ^2/NDF : 5098459.2/19

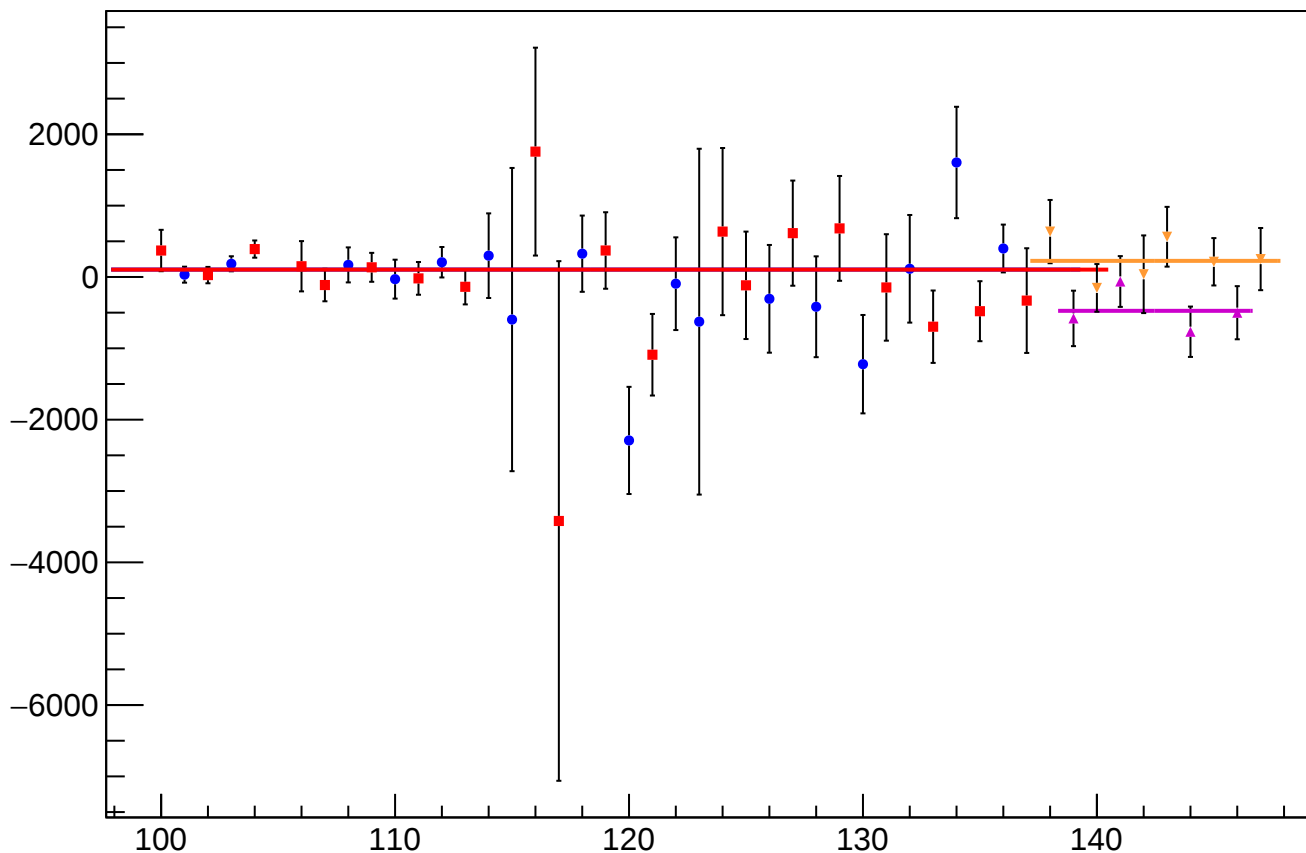
Left In: 321.990 $\pm$ 0.127 χ^2/NDF : 402.5/3

118.259 $\pm$ 0.035 χ^2/NDF : 9560167.0/22

123.696 $\pm$ 0.025 χ^2/NDF : 17186670.3/46

129.587 $\pm$ 0.036 χ^2/NDF : 7575363.2/23

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 225.862 $\pm$ 163.406 χ^2 /NDF: 2.9/5

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

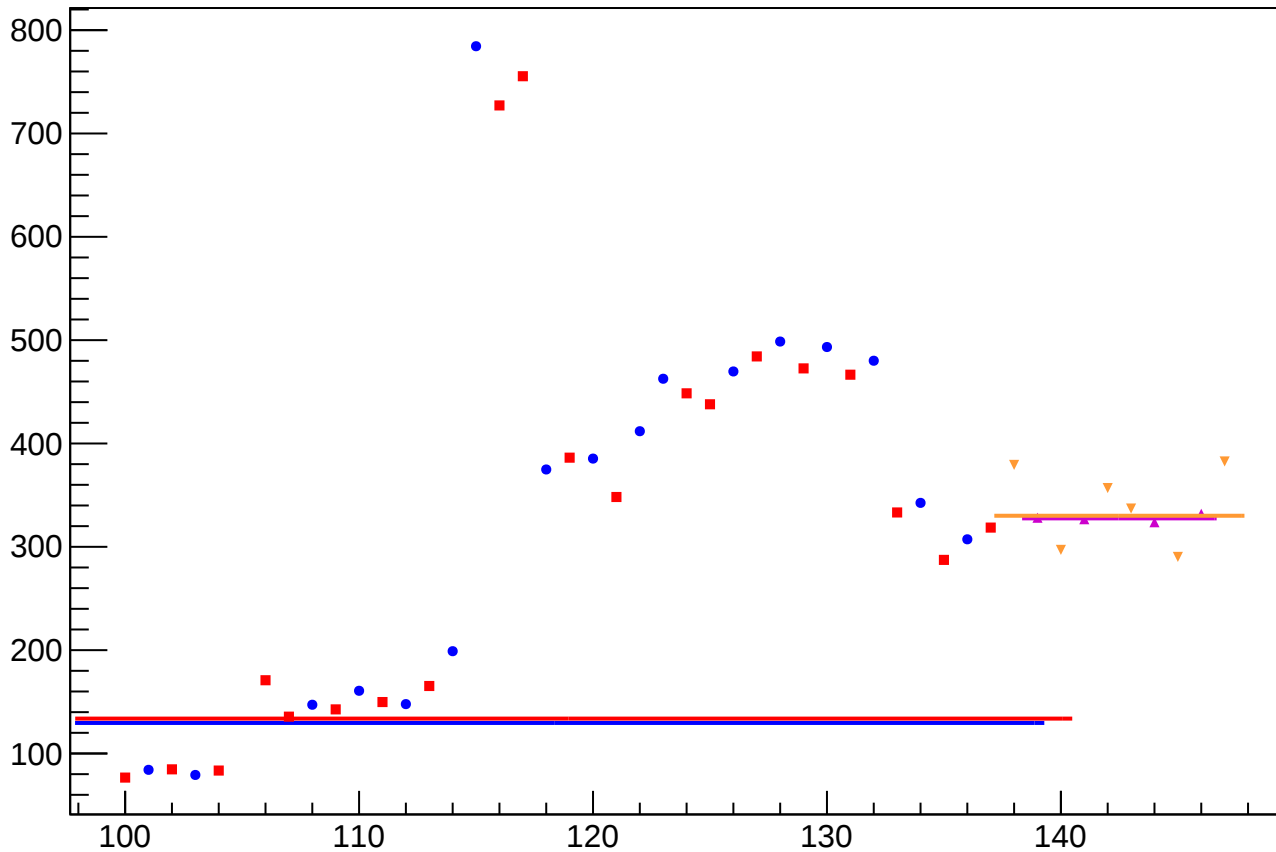
Left In: -474.509 $\pm$ 183.324 χ^2 /NDF: 2.1/3

119.839 $\pm$ 58.909 χ^2 /NDF: 24.7/22

82.099 $\pm$ 41.239 χ^2 /NDF: 58.8/46

45.830 $\pm$ 57.750 χ^2 /NDF: 33.3/23

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 +/- 0.045 χ^2/NDF : 4772450.4/16

Left Out: 330.072 +/- 0.116 χ^2/NDF : 107409.6/5

Right Out: 133.766 +/- 0.043 χ^2/NDF : 4424544.5/19

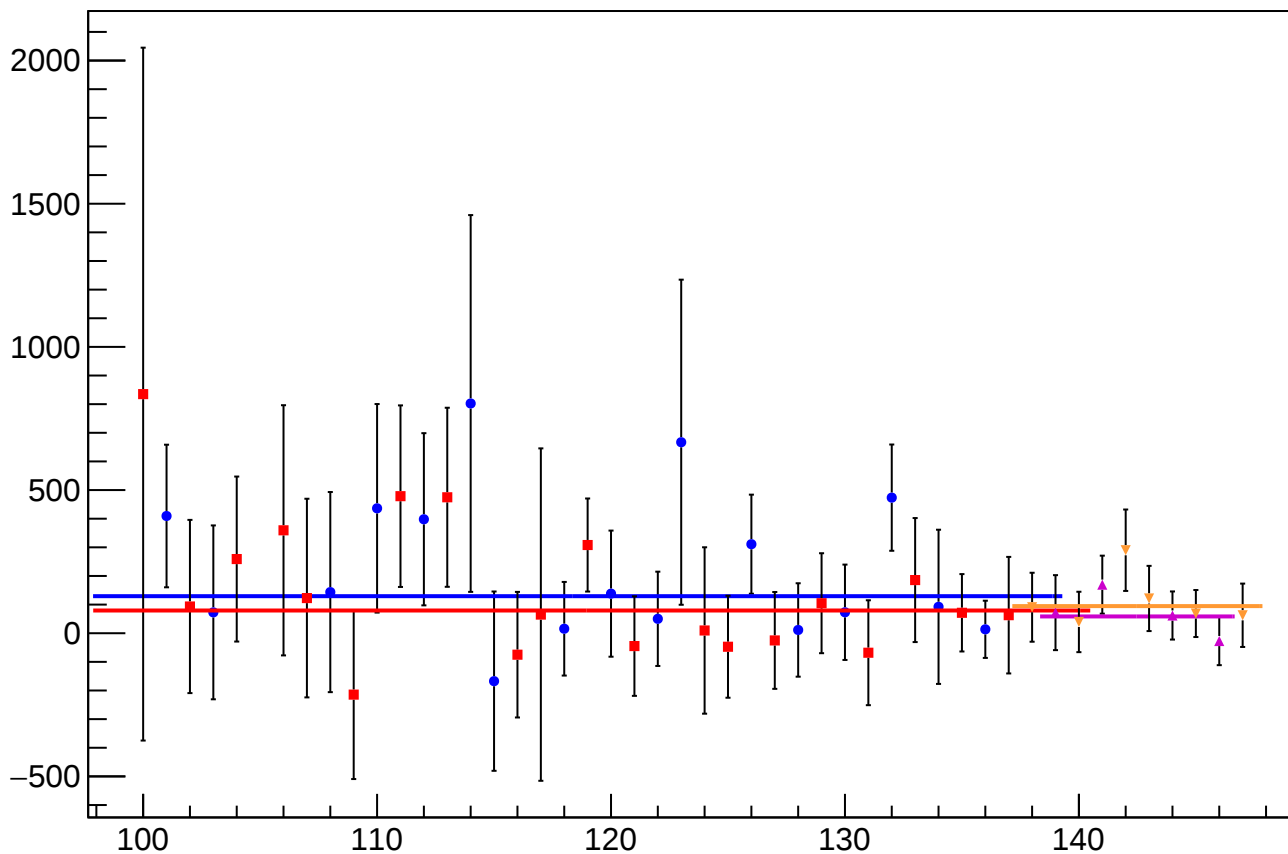
Left In: 327.523 +/- 0.130 χ^2/NDF : 529.1/3

155.613 +/- 0.042 χ^2/NDF : 7500130.8/22

154.277 +/- 0.029 χ^2/NDF : 13939634.8/46

152.994 +/- 0.041 χ^2/NDF : 6437488.4/23

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 94.725 $\pm$ 44.038 χ^2 /NDF: 2.4/5

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

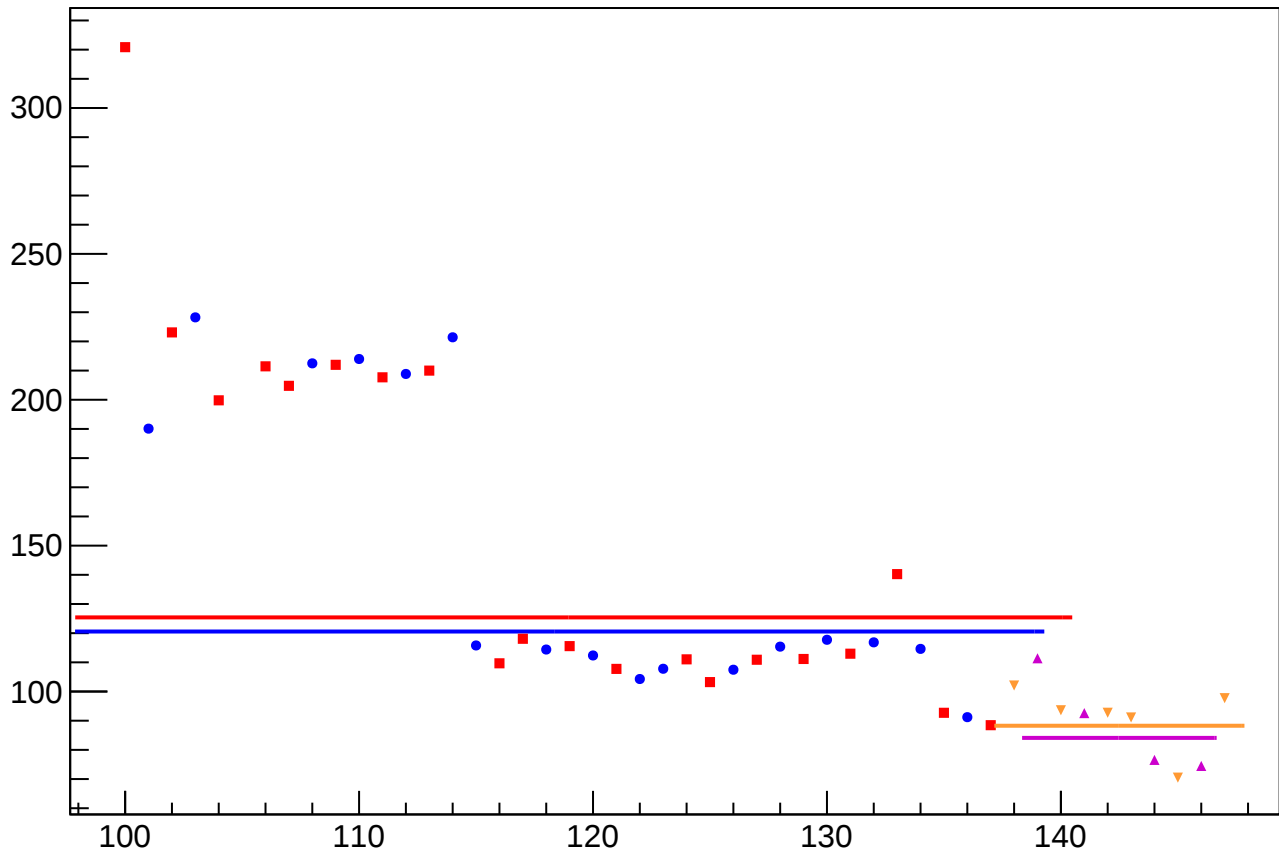
Left In: 58.622 $\pm$ 47.776 χ^2 /NDF: 2.2/3

110.175 $\pm$ 32.790 χ^2 /NDF: 15.6/22

90.404 $\pm$ 23.749 χ^2 /NDF: 28.9/46

68.589 $\pm$ 34.444 χ^2 /NDF: 12.6/23

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 ± 0.035 $\chi^2/\text{NDF}: 1112076.4/16$

Left Out: 88.271 ± 0.031 $\chi^2/\text{NDF}: 143023.6/5$

Right Out: 125.404 ± 0.035 $\chi^2/\text{NDF}: 1334075.7/19$

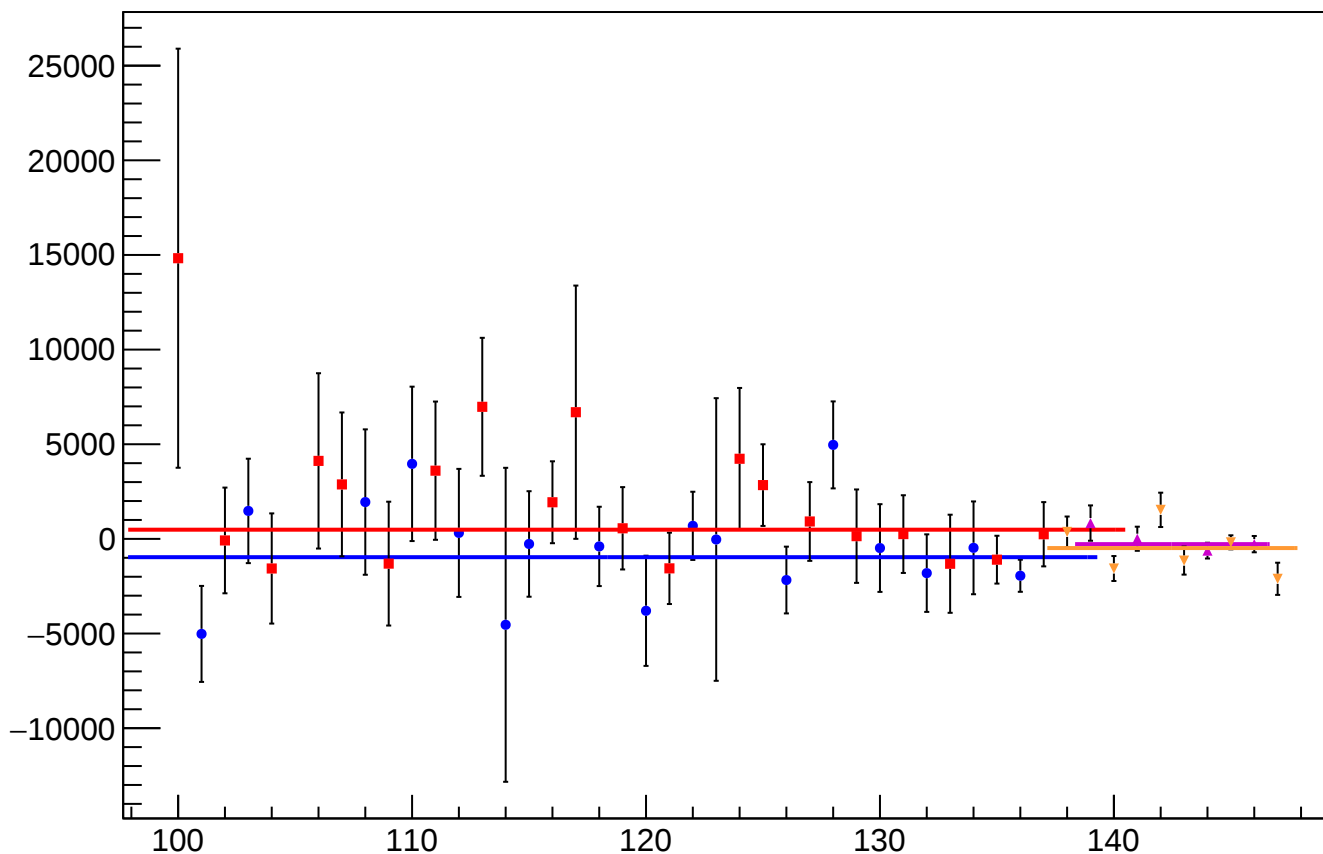
Left In: 84.107 ± 0.034 $\chi^2/\text{NDF}: 143009.7/3$

102.661 ± 0.023 $\chi^2/\text{NDF}: 1734356.0/22$

103.269 ± 0.017 $\chi^2/\text{NDF}: 3930561.8/46$

103.939 ± 0.024 $\chi^2/\text{NDF}: 2194760.5/23$

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -485.119+/-253.940 χ^2/NDF :13.9/5

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

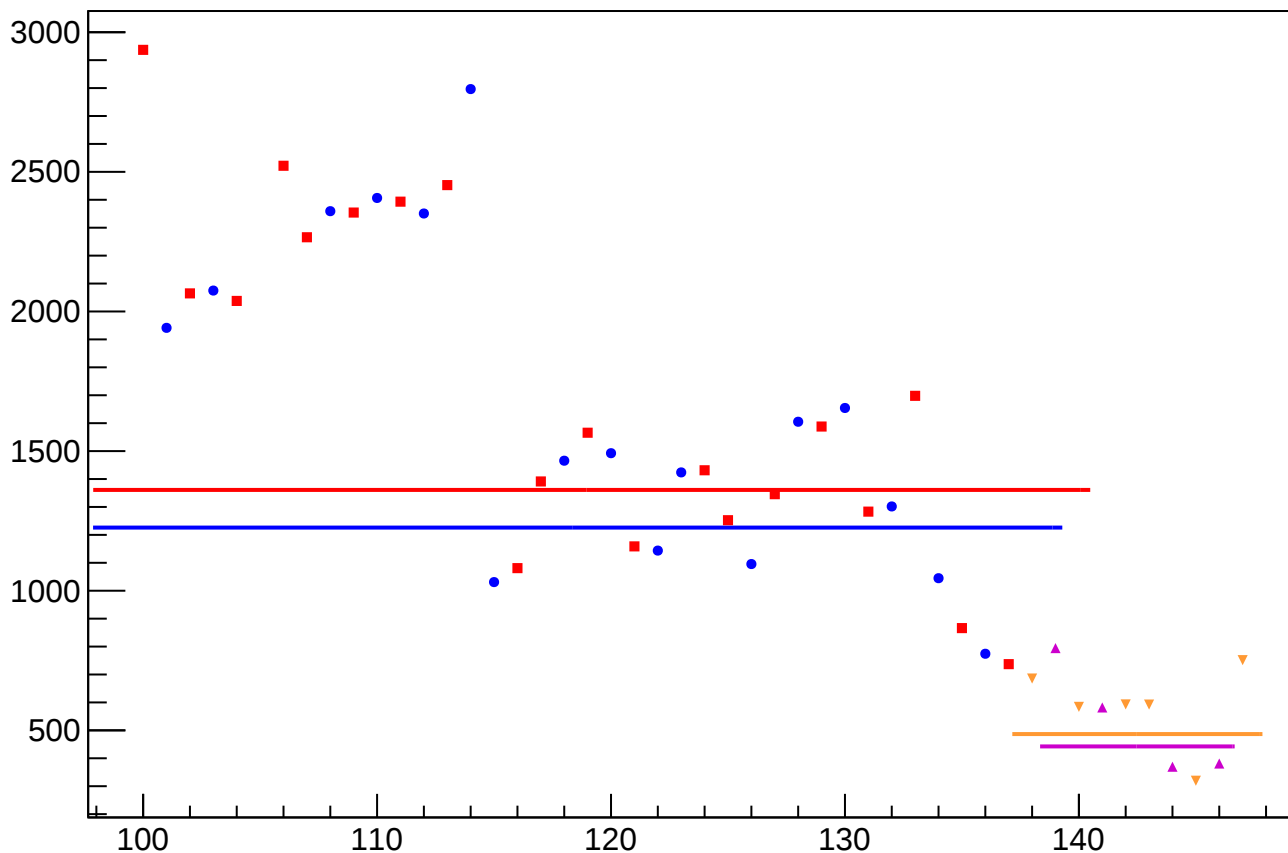
Left In: -277.062+/-260.351 χ^2/NDF :2.3/3

-580.072+/-227.526 χ^2/NDF : 30.9/22

-364.417+/-163.398 χ^2/NDF : 51.0/46

-134.739+/-234.807 χ^2/NDF : 18.2/23

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 $\pm$ 0.362 χ^2 /NDF: 1756323.1/16

Left Out: 486.699 $\pm$ 0.180 χ^2 /NDF: 831259.8/5

Right Out: 1360.972 $\pm$ 0.384 χ^2 /NDF: 1749116.2/19

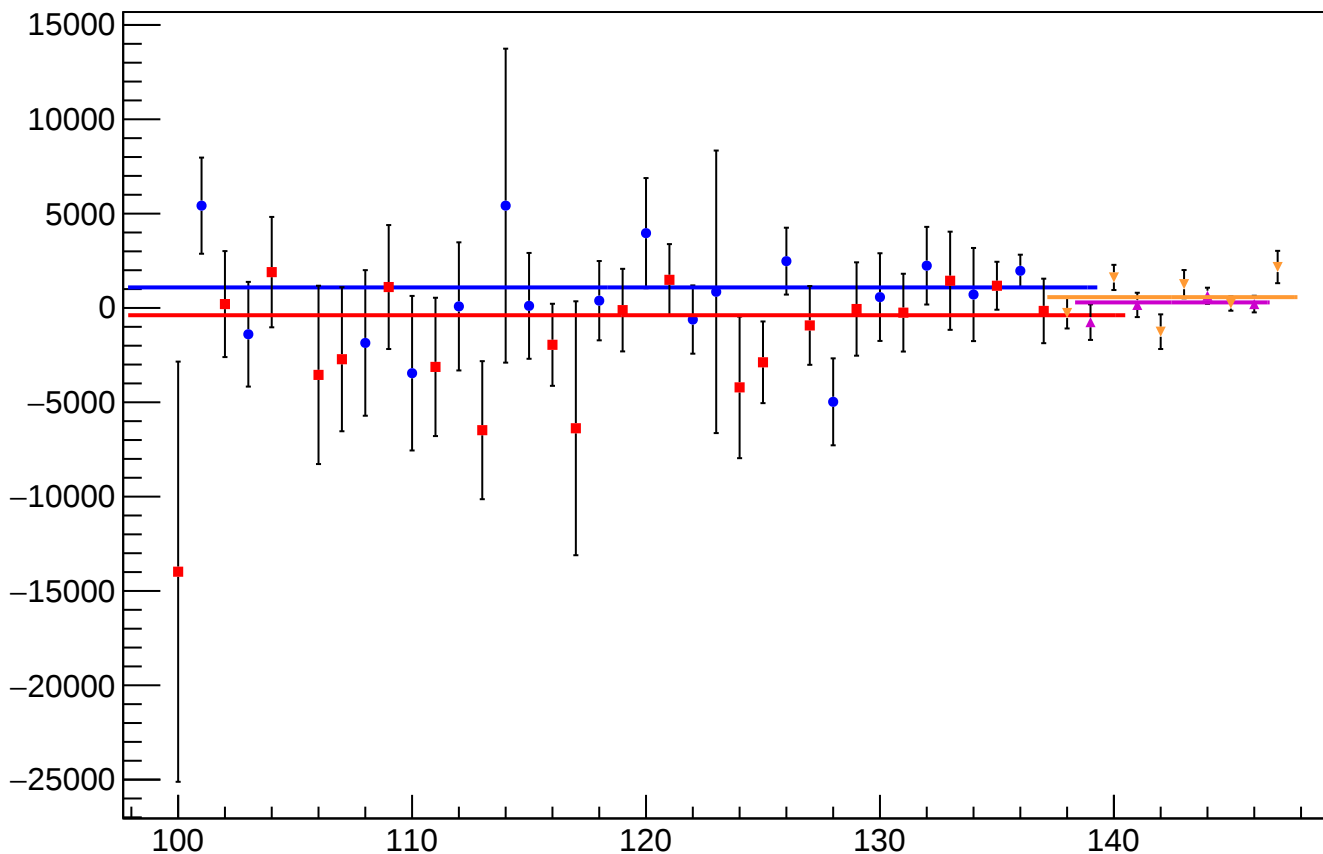
Left In: 442.454 $\pm$ 0.184 χ^2 /NDF: 481850.4/3

632.528 $\pm$ 0.161 χ^2 /NDF: 5931942.6/22

623.483 $\pm$ 0.116 χ^2 /NDF: 12814612.4/46

613.850 $\pm$ 0.166 χ^2 /NDF: 6876143.2/23

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 573.008 $\pm$ 258.613 χ^2 /NDF:12.6/5

Right Out: -385.391 $\pm$ 546.382 χ^2 /NDF: 13.3/19

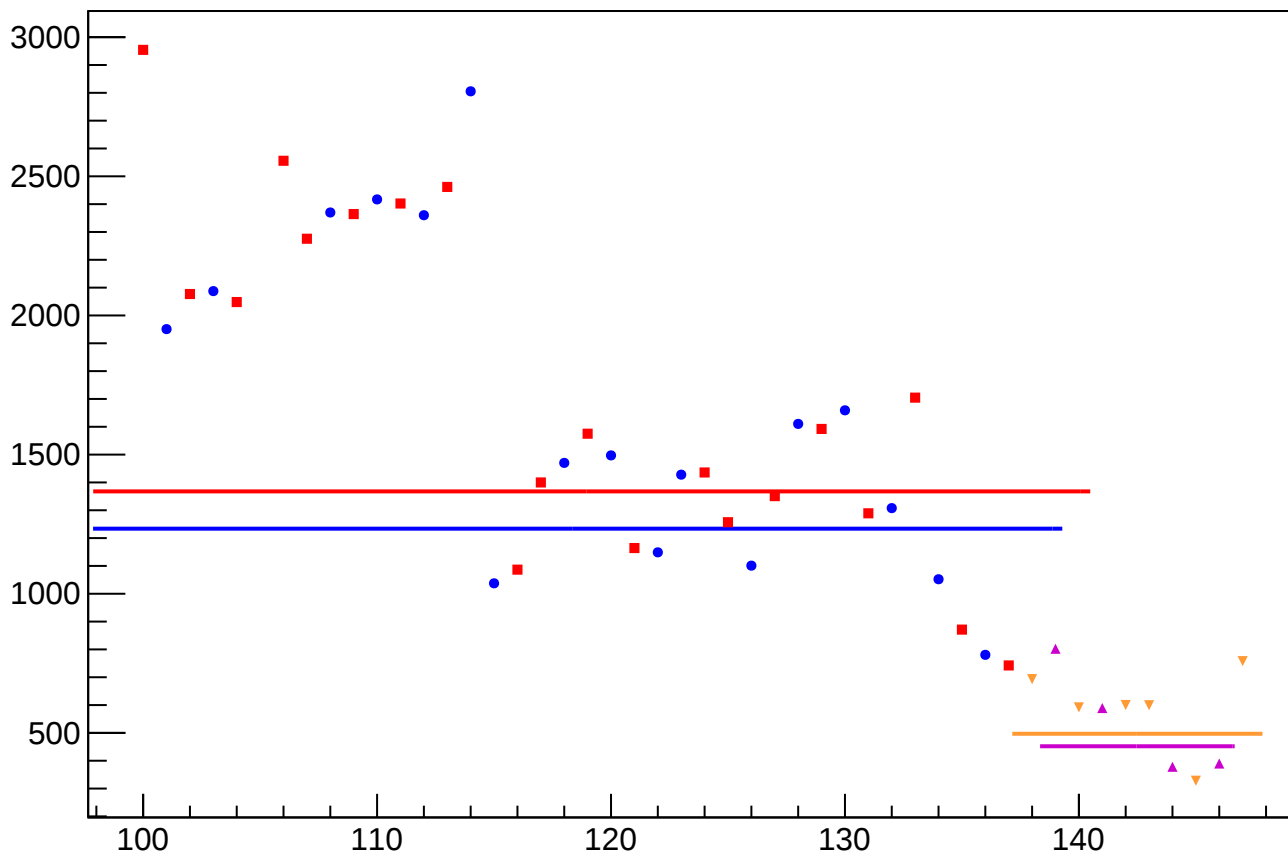
Left In: 293.966 $\pm$ 265.500 χ^2 /NDF:2.0/3

676.846 $\pm$ 231.135 χ^2 /NDF: 30.3/22

428.880 $\pm$ 166.081 χ^2 /NDF: 49.2/46

164.197 $\pm$ 238.800 χ^2 /NDF: 16.5/23

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 496.916+/-0.183 χ^2/NDF : 795336.9/5

Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

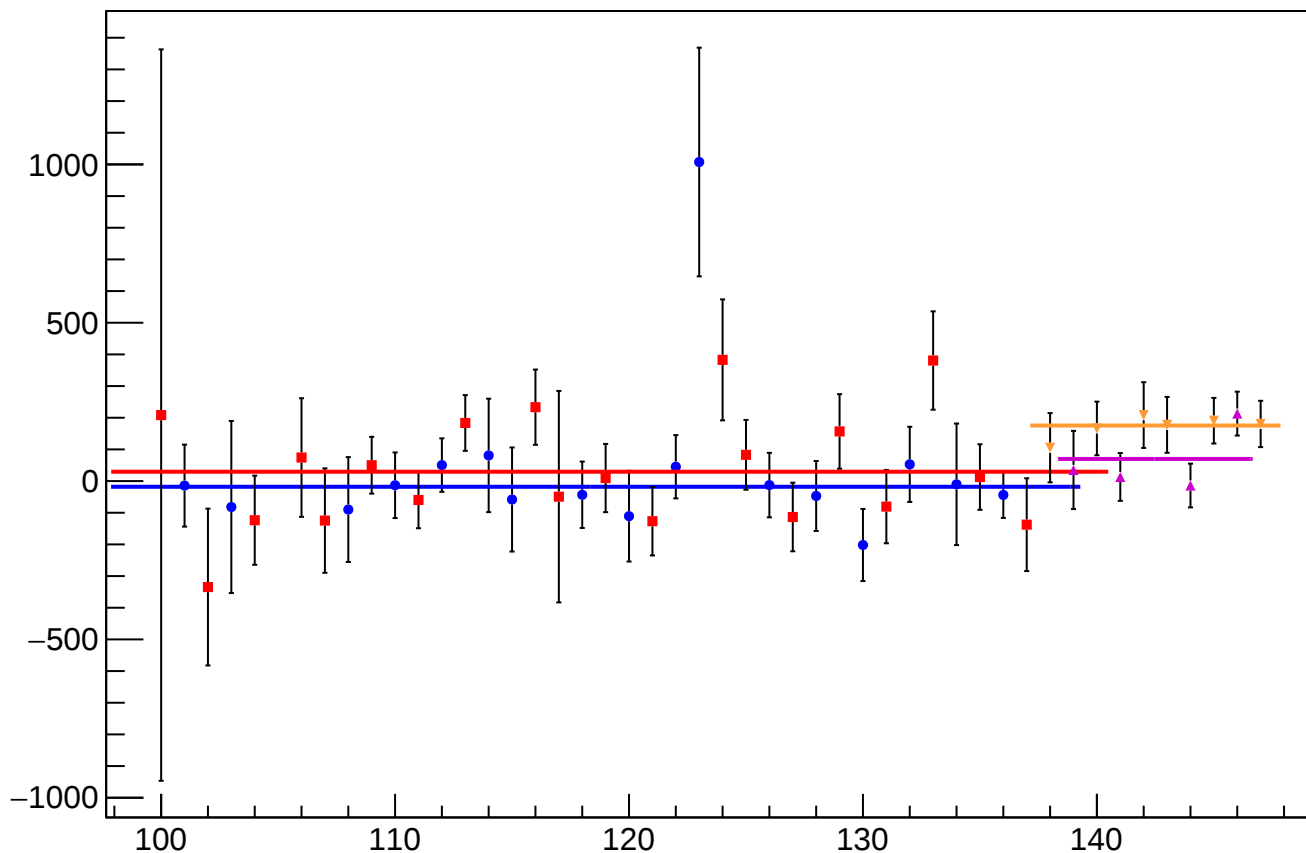
Left In: 451.979+/-0.188 χ^2/NDF : 466475.8/3

645.200+/-0.163 χ^2/NDF : 5807215.8/22

636.359+/-0.117 χ^2/NDF : 12570276.1/46

626.922+/-0.169 χ^2/NDF : 6757010.5/23

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 175.469 ± 34.829 χ^2/NDF : 0.6/5

Right Out: 29.517 ± 27.879 χ^2/NDF : 27.5/19

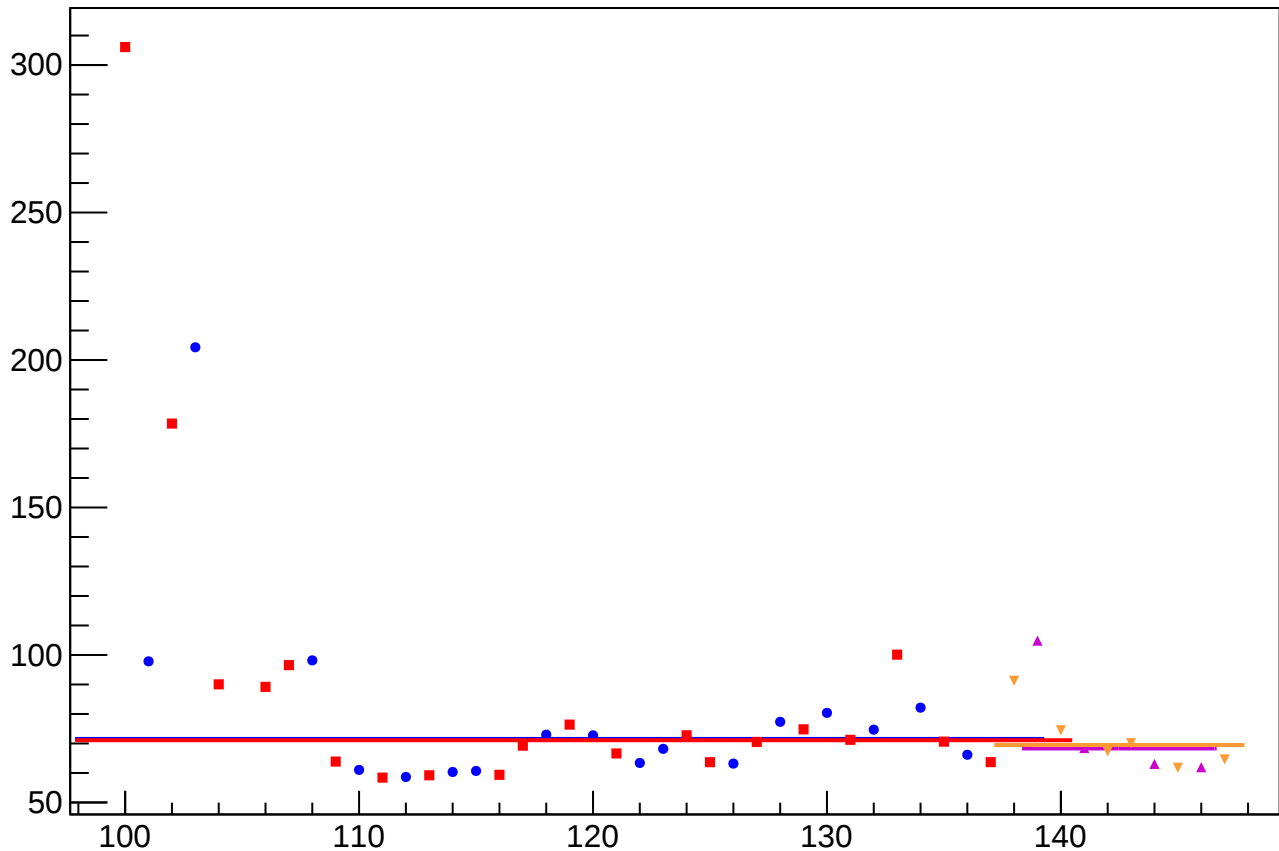
Left In: 69.886 ± 38.954 χ^2/NDF : 6.4/3

60.736 ± 22.217 χ^2/NDF : 32.2/22

52.141 ± 15.868 χ^2/NDF : 67.1/46

43.191 ± 22.671 χ^2/NDF : 34.6/23

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 69.476+/-0.025 χ^2/NDF : 119110.7/5

Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

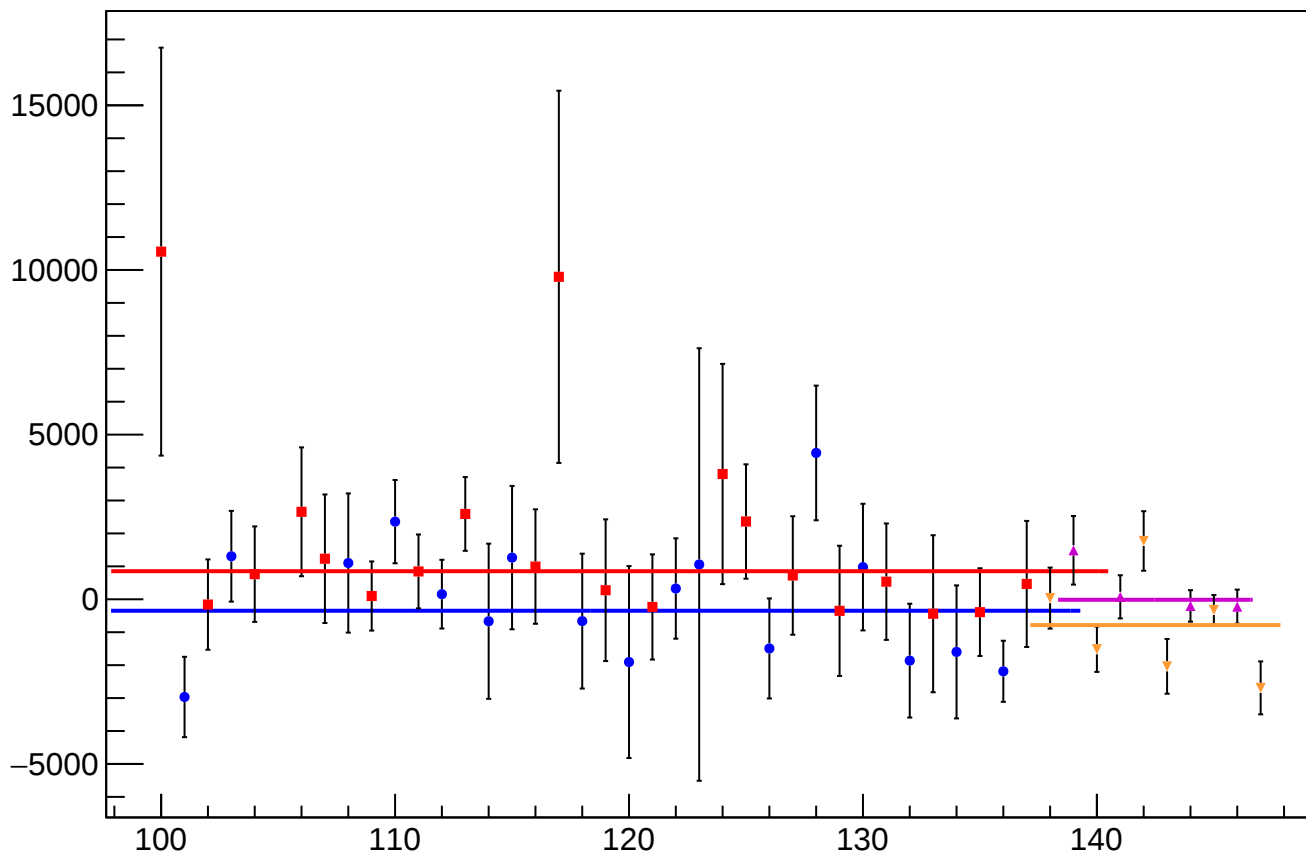
Left In: 68.312+/-0.028 χ^2/NDF : 203449.8/3

70.698+/-0.016 χ^2/NDF : 882222.4/22

70.433+/-0.011 χ^2/NDF : 1858258.6/46

70.157+/-0.016 χ^2/NDF : 975456.0/23

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -782.583+/-284.354 χ^2/NDF : 18.8/5

Right Out: 852.433+/-369.018 χ^2/NDF : 13.0/19

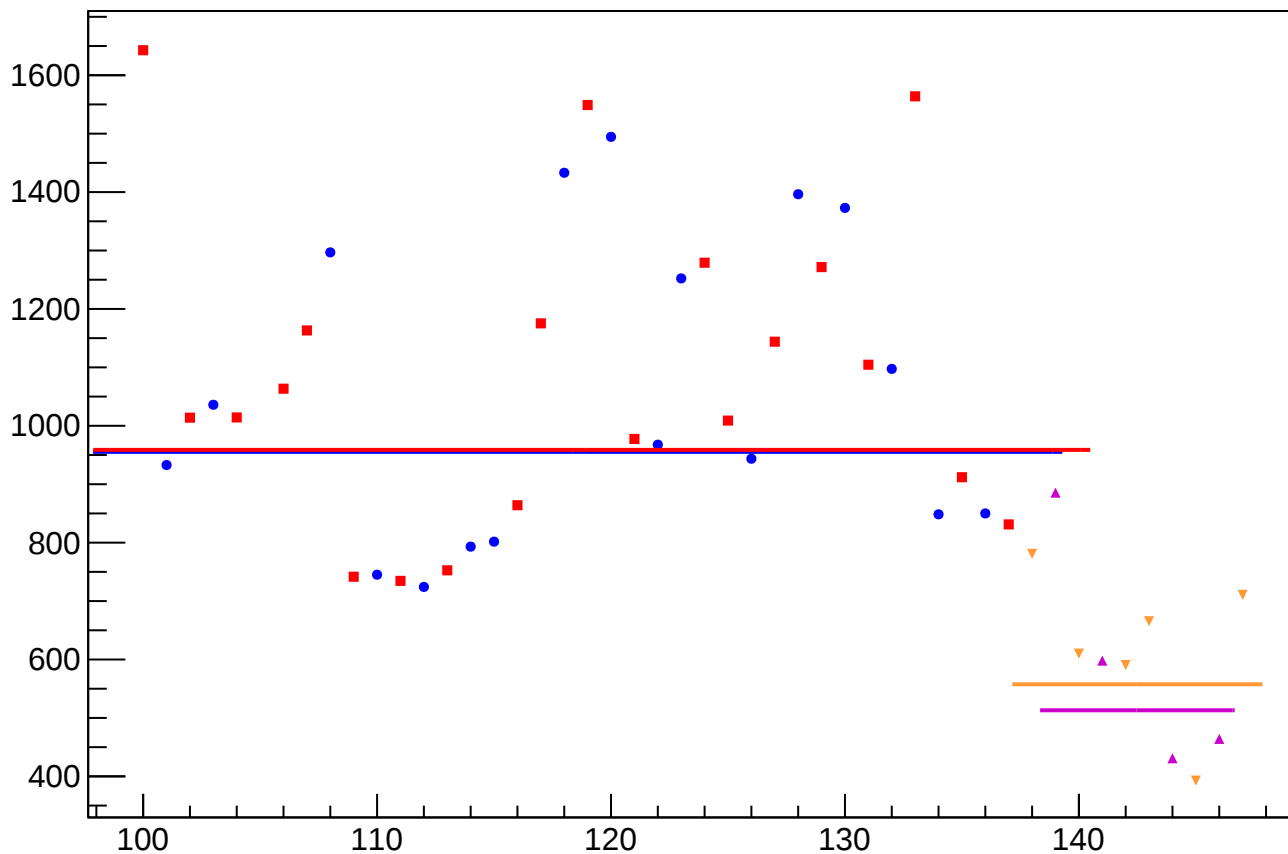
Left In: -14.746+/-296.773 χ^2/NDF : 2.4/3

-627.611+/-228.095 χ^2/NDF : 43.7/22

-157.460+/-162.396 χ^2/NDF : 71.1/46

325.841+/-231.263 χ^2/NDF : 18.8/23

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 557.608+/-0.201 χ^2/NDF : 501538.3/5

Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

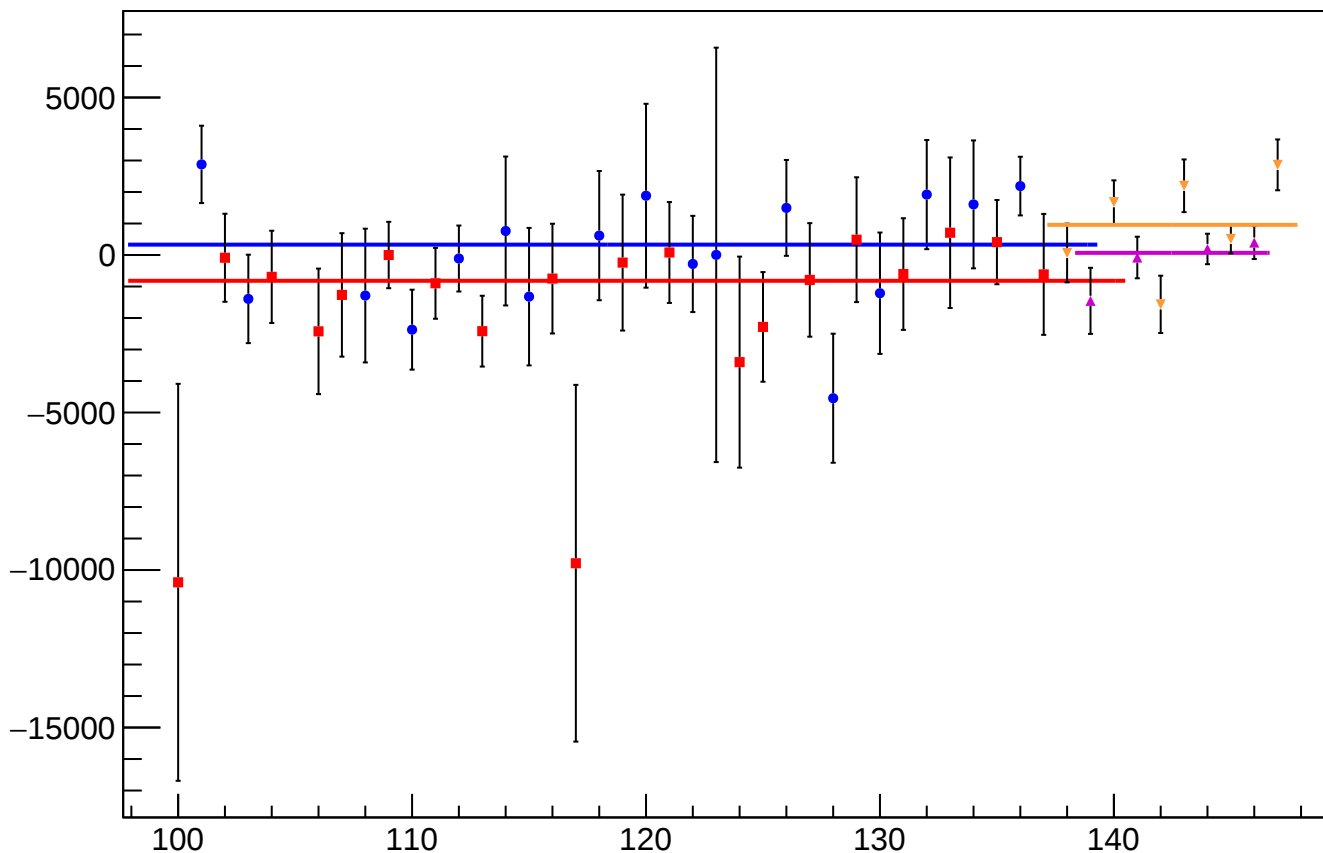
Left In: 513.101+/-0.210 χ^2/NDF : 366273.4/3

699.450+/-0.161 χ^2/NDF : 2543777.5/22

693.873+/-0.115 χ^2/NDF : 5379986.9/46

688.141+/-0.164 χ^2/NDF : 2833785.3/23

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 957.213 $\pm$ 286.918 χ^2 /NDF:18.4/5

Right Out: -818.253 $\pm$ 370.875 χ^2 /NDF: 11.8/19

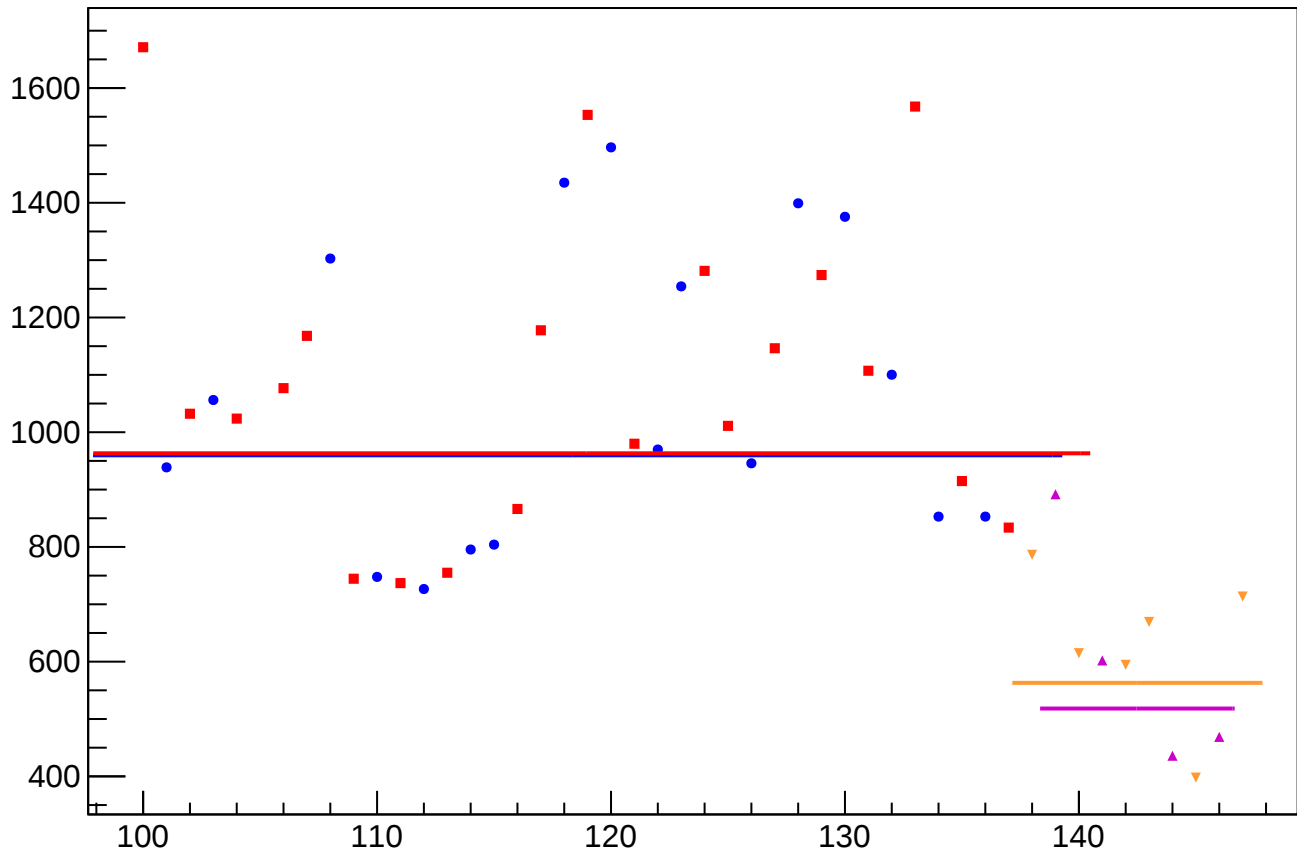
Left In: 68.456 $\pm$ 299.603 χ^2 /NDF:2.6/3

731.999 $\pm$ 229.787 χ^2 /NDF: 44.4/22

232.317 $\pm$ 163.628 χ^2 /NDF: 71.9/46

-281.695 $\pm$ 233.058 χ^2 /NDF: 17.9/23

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 563.048 $\pm$ 0.203 χ^2 /NDF: 489033.5/5

Right Out: 963.238 $\pm$ 0.262 χ^2 /NDF: 698638.3/19

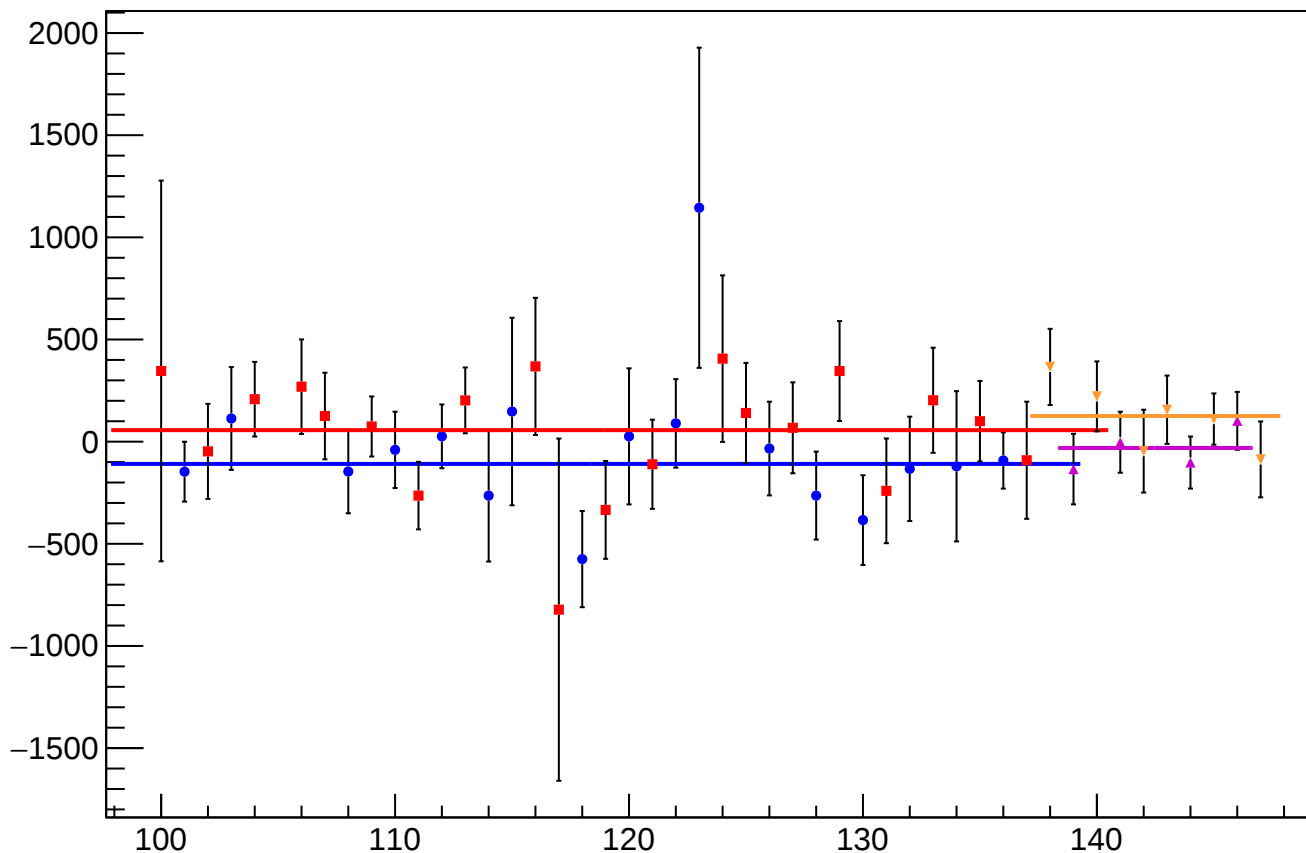
Left In: 518.252 $\pm$ 0.212 χ^2 /NDF: 361764.0/3

705.310 $\pm$ 0.162 χ^2 /NDF: 2506929.4/22

699.721 $\pm$ 0.116 χ^2 /NDF: 5311948.7/46

693.972 $\pm$ 0.165 χ^2 /NDF: 2802619.3/23

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977+/-52.923 χ^2/NDF : 12.0/16

Left Out: 125.490+/-68.131 χ^2/NDF : 4.0/5

Right Out: 56.241+/-50.729 χ^2/NDF : 16.0/19

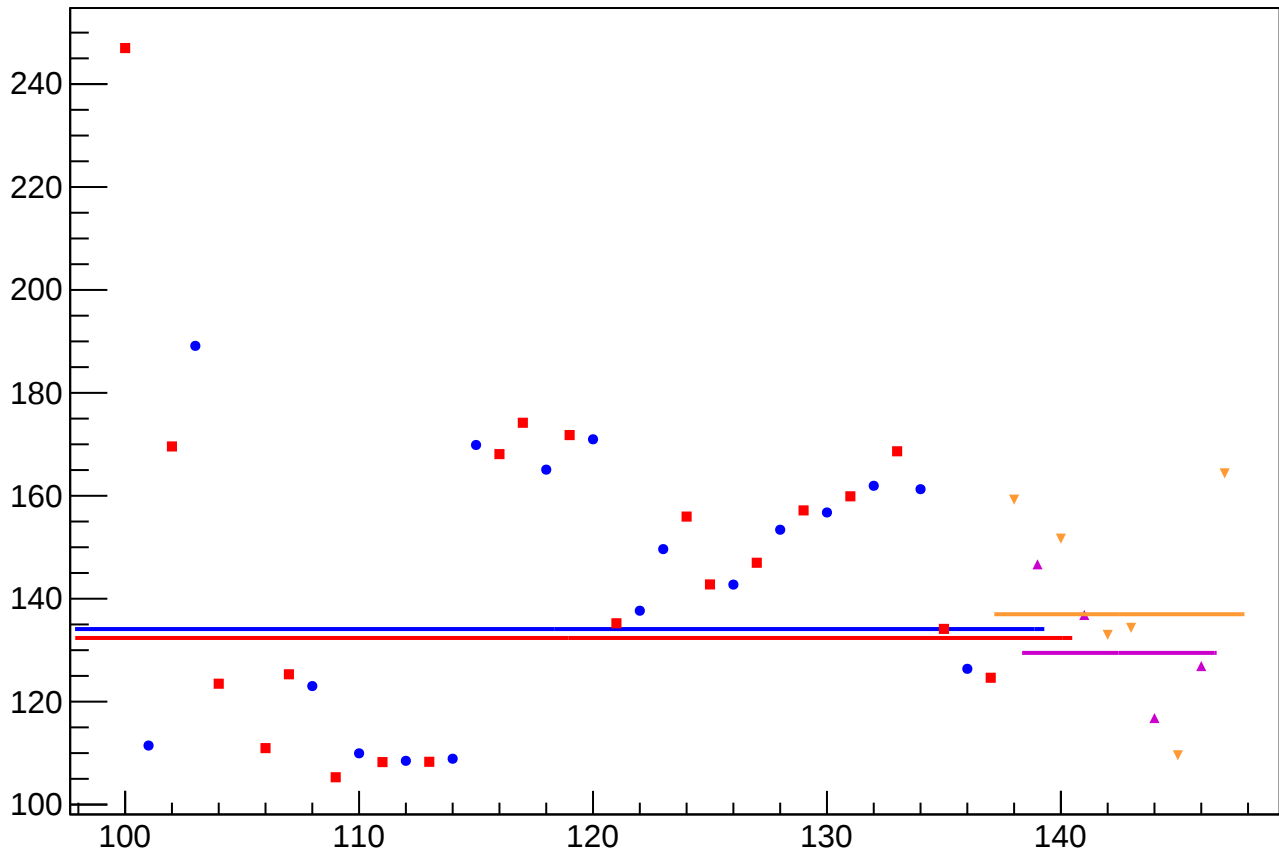
Left In: -30.826+/-72.550 χ^2/NDF : 1.6/3

-20.742+/-41.795 χ^2/NDF : 23.4/22

3.583+/-29.475 χ^2/NDF : 42.6/46

27.651+/-41.574 χ^2/NDF : 18.5/23

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 136.985+/-0.048 χ^2/NDF :183367.7/5

Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

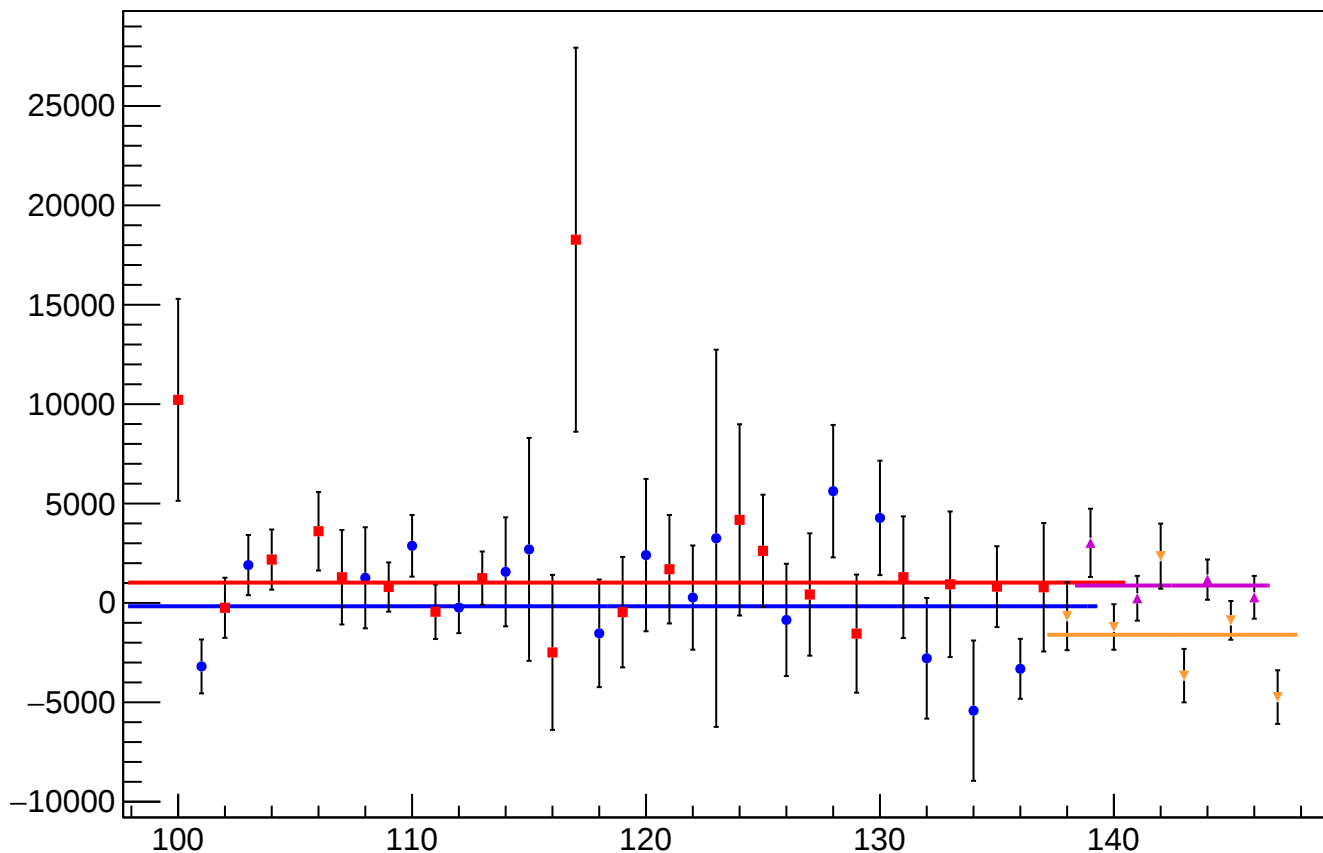
Left In: 129.474+/-0.051 χ^2/NDF :45175.4/3

135.188+/-0.030 χ^2/NDF : 588180.2/22

133.294+/-0.021 χ^2/NDF : 1090407.6/46

131.421+/-0.029 χ^2/NDF : 494061.8/23

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1602.551 ± 524.580 χ^2/NDF : 14.5/5

Right Out: 1023.271 ± 480.373 χ^2/NDF : 13.4/19

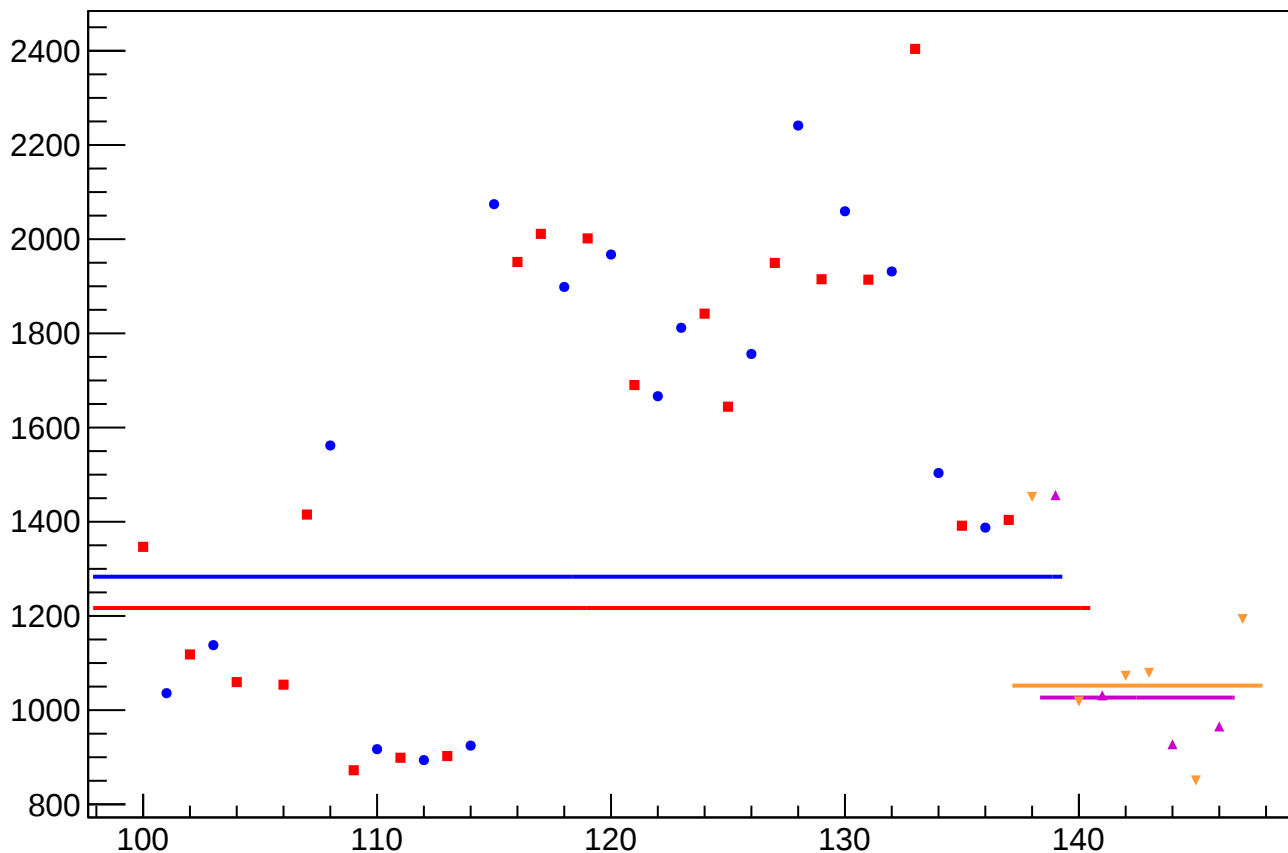
Left In: 875.852 ± 580.374 χ^2/NDF : 2.3/3

-884.153 ± 370.613 χ^2/NDF : 43.6/22

40.978 ± 261.866 χ^2/NDF : 71.8/46

963.337 ± 370.057 χ^2/NDF : 15.7/23

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1052.067 $\pm$ 0.371 χ^2 /NDF:220169.0/5

Right Out: 1216.852 $\pm$ 0.340 χ^2 /NDF: 1374416.0/19

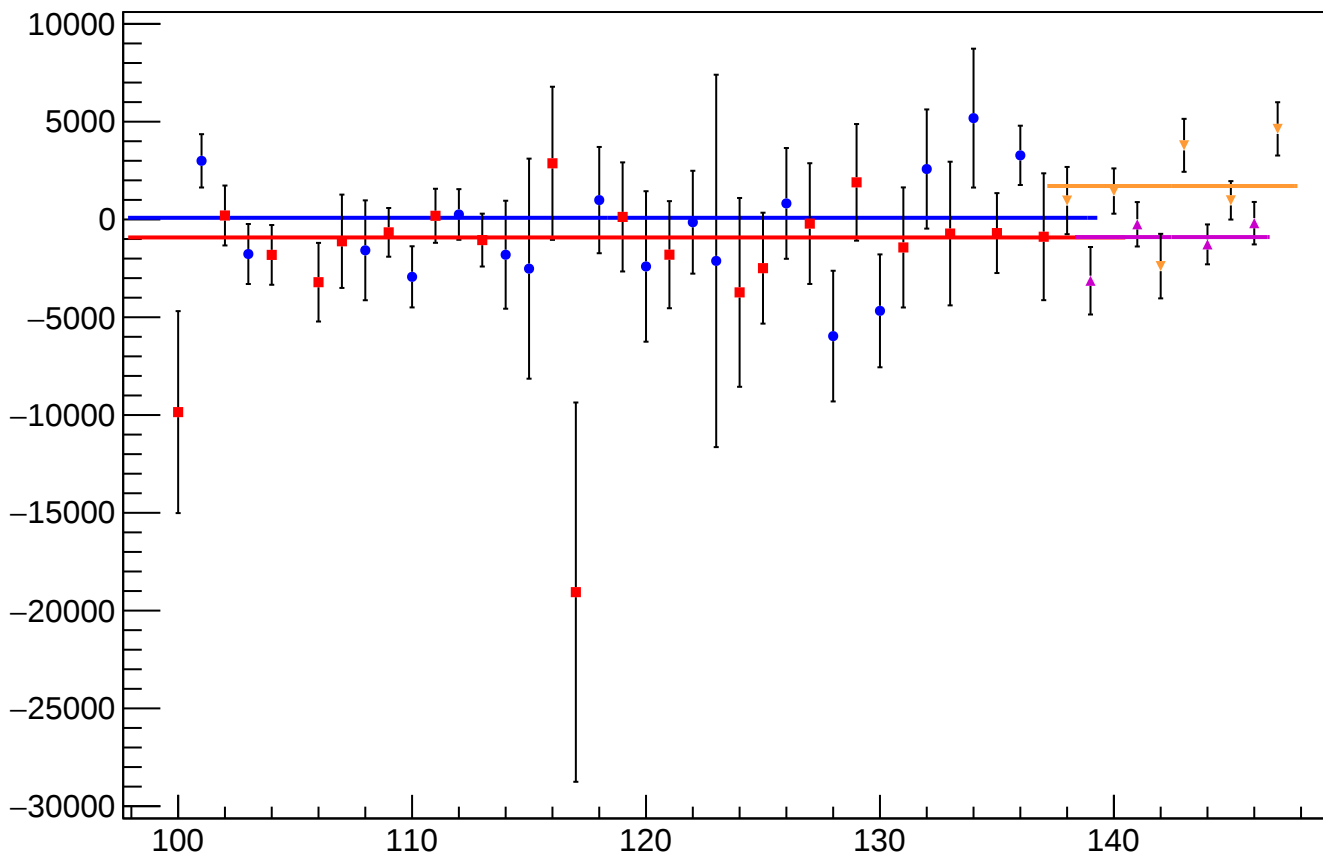
Left In: 1026.680 $\pm$ 0.410 χ^2 /NDF:151087.8/3

1167.893 $\pm$ 0.262 χ^2 /NDF: 1584268.1/22

1153.693 $\pm$ 0.185 χ^2 /NDF: 3243068.8/46

1139.536 $\pm$ 0.262 χ^2 /NDF: 1652937.7/23

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1710.421+/-529.214 χ^2/NDF : 13.9/5

Right Out: -919.892+/-484.043 χ^2/NDF : 12.2/19

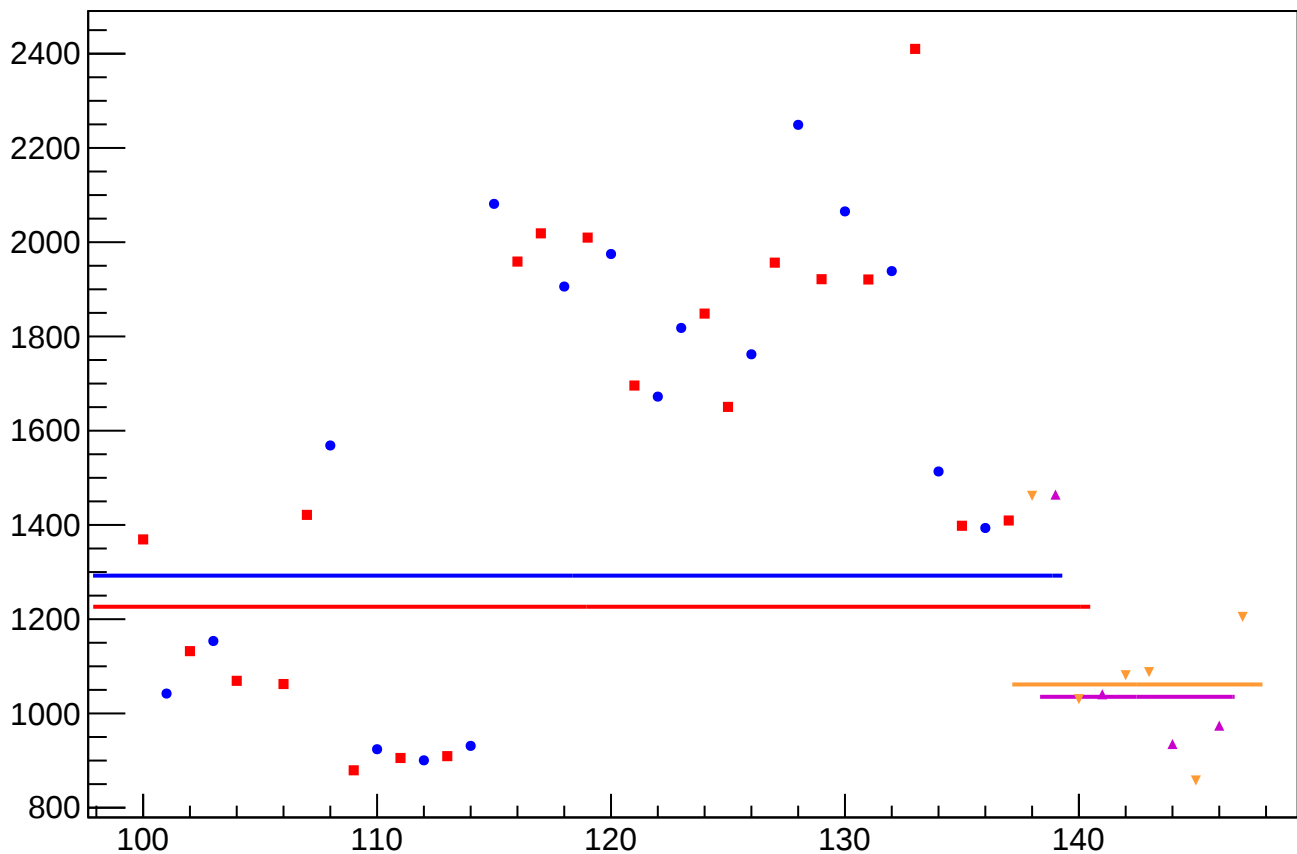
Left In: -900.141+/-585.136 χ^2/NDF : 2.6/3

894.469+/-373.455 χ^2/NDF : 43.3/22

-9.876+/-263.900 χ^2/NDF : 69.8/46

-911.867+/-372.969 χ^2/NDF : 14.8/23

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2/NDF : 1156576.0/16

Left Out: 1061.479 $\pm$ 0.374 χ^2/NDF : 219020.8/5

Right Out: 1226.408 $\pm$ 0.342 χ^2/NDF : 1359134.9/19

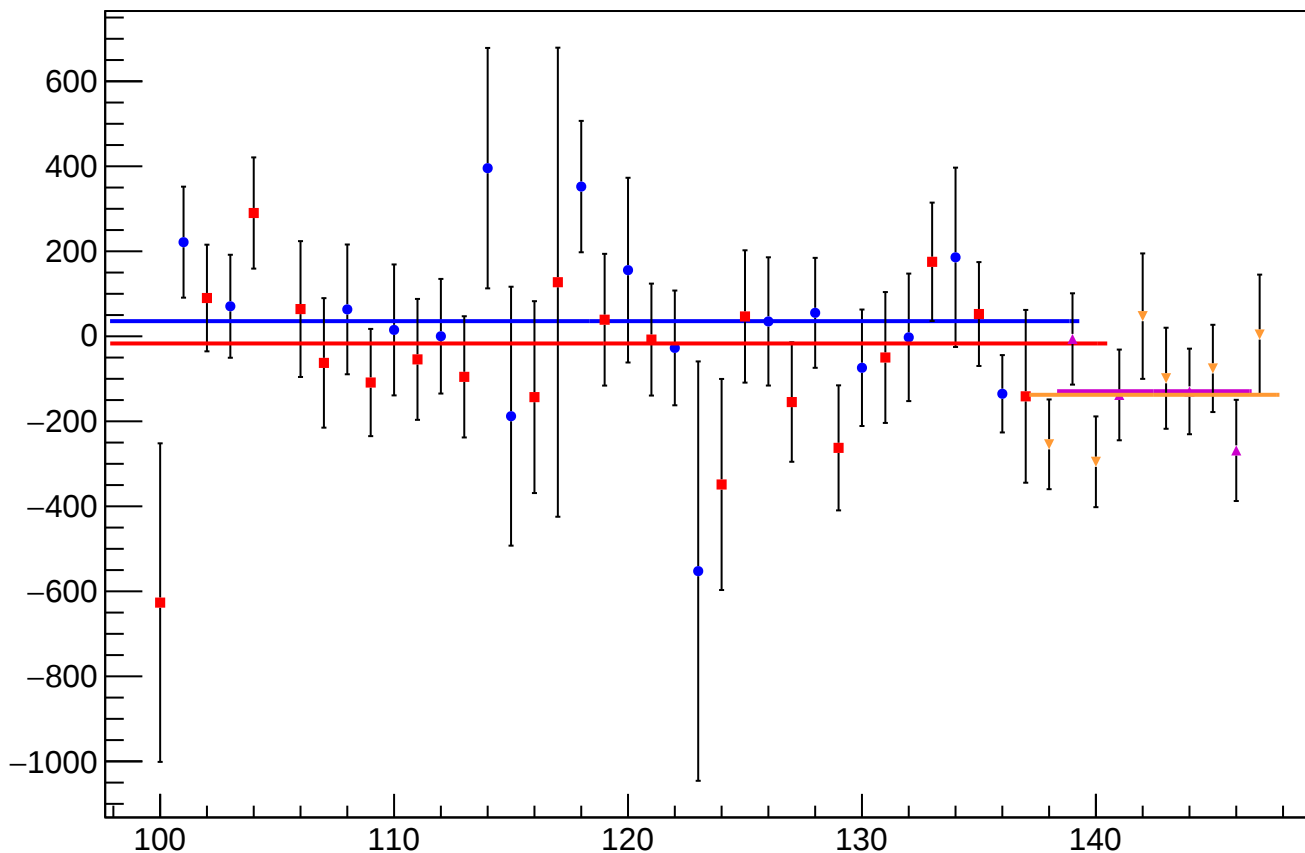
Left In: 1035.303 $\pm$ 0.414 χ^2/NDF : 149304.2/3

1177.418 $\pm$ 0.264 χ^2/NDF : 1566807.2/22

1163.073 $\pm$ 0.187 χ^2/NDF : 3207800.9/46

1148.765 $\pm$ 0.264 χ^2/NDF : 1635099.3/23

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -137.611+/-47.704 χ^2/NDF : 6.5/5

Right Out: -16.849+/-34.623 χ^2/NDF : 19.0/19

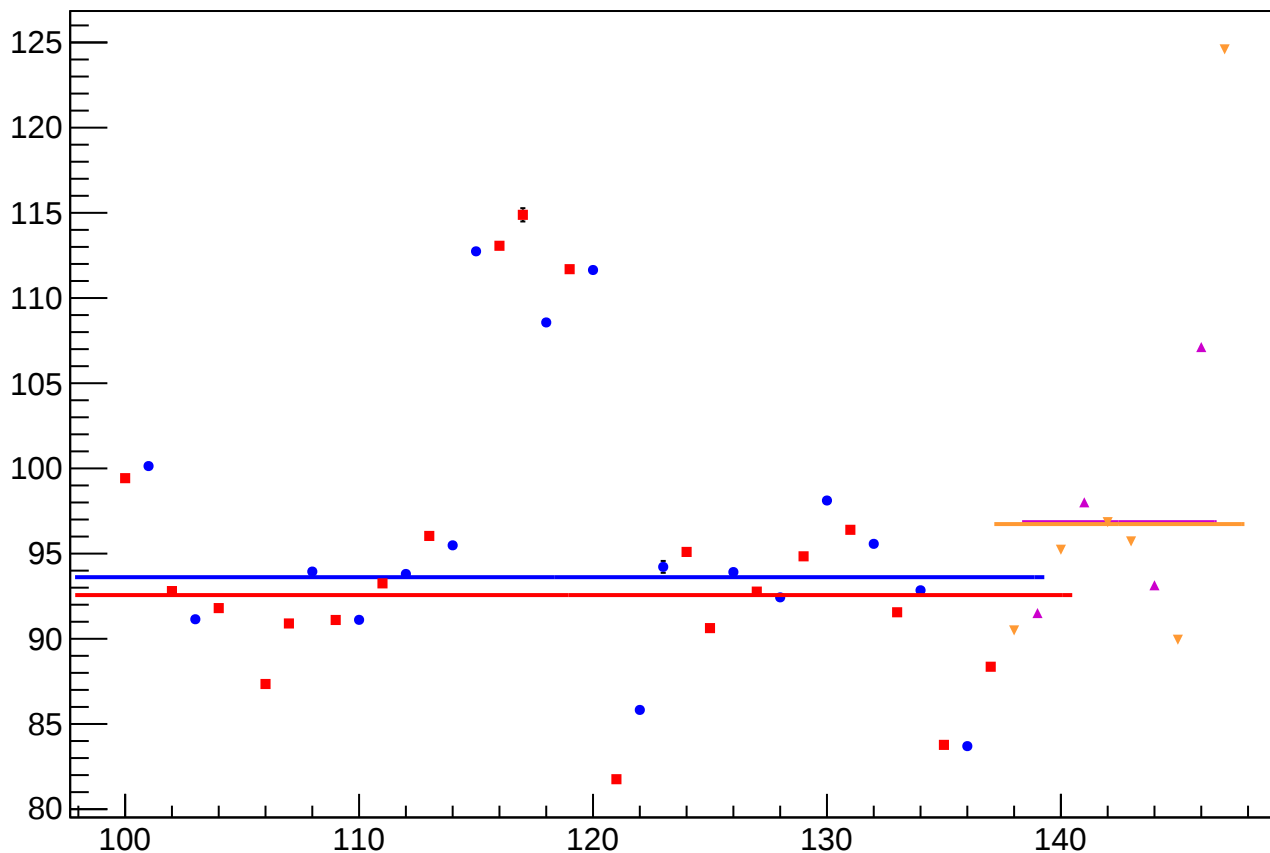
Left In: -129.186+/-53.936 χ^2/NDF : 2.7/3

-27.978+/-28.913 χ^2/NDF : 30.1/22

-38.721+/-20.523 χ^2/NDF : 55.1/46

-49.631+/-29.136 χ^2/NDF : 24.7/23

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 96.733+/-0.034 χ^2/NDF : 94471.3/5

Right Out: 92.565+/-0.024 χ^2/NDF : 81875.5/19

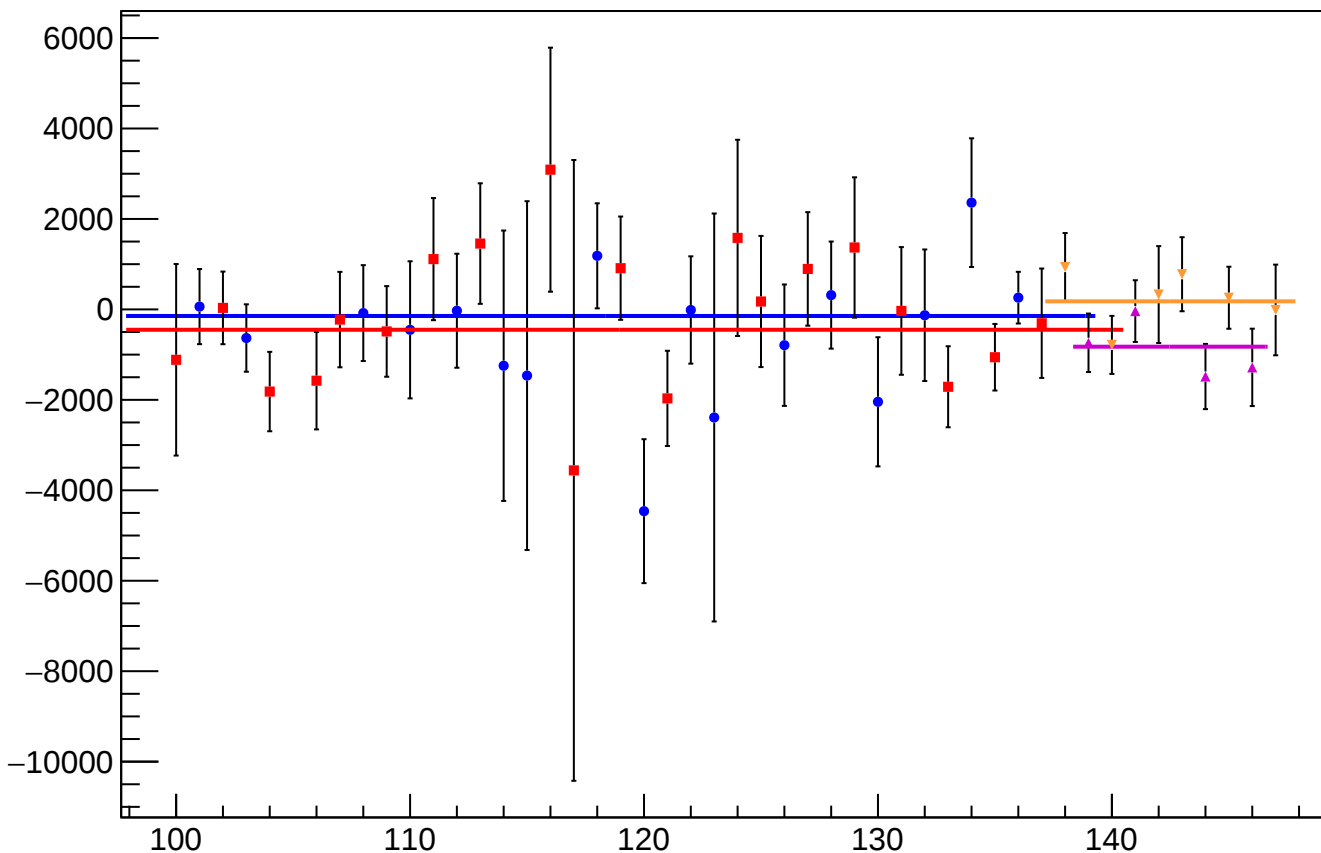
Left In: 96.845+/-0.038 χ^2/NDF : 22788.3/3

94.761+/-0.020 χ^2/NDF : 179801.5/22

94.291+/-0.015 χ^2/NDF : 294446.2/46

93.814+/-0.021 χ^2/NDF : 113580.8/23

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2/NDF : 15.5/16

Left Out: 178.548 $\pm$ 321.365 χ^2/NDF : 3.9/5

Right Out: -450.047 $\pm$ 260.089 χ^2/NDF : 19.2/19

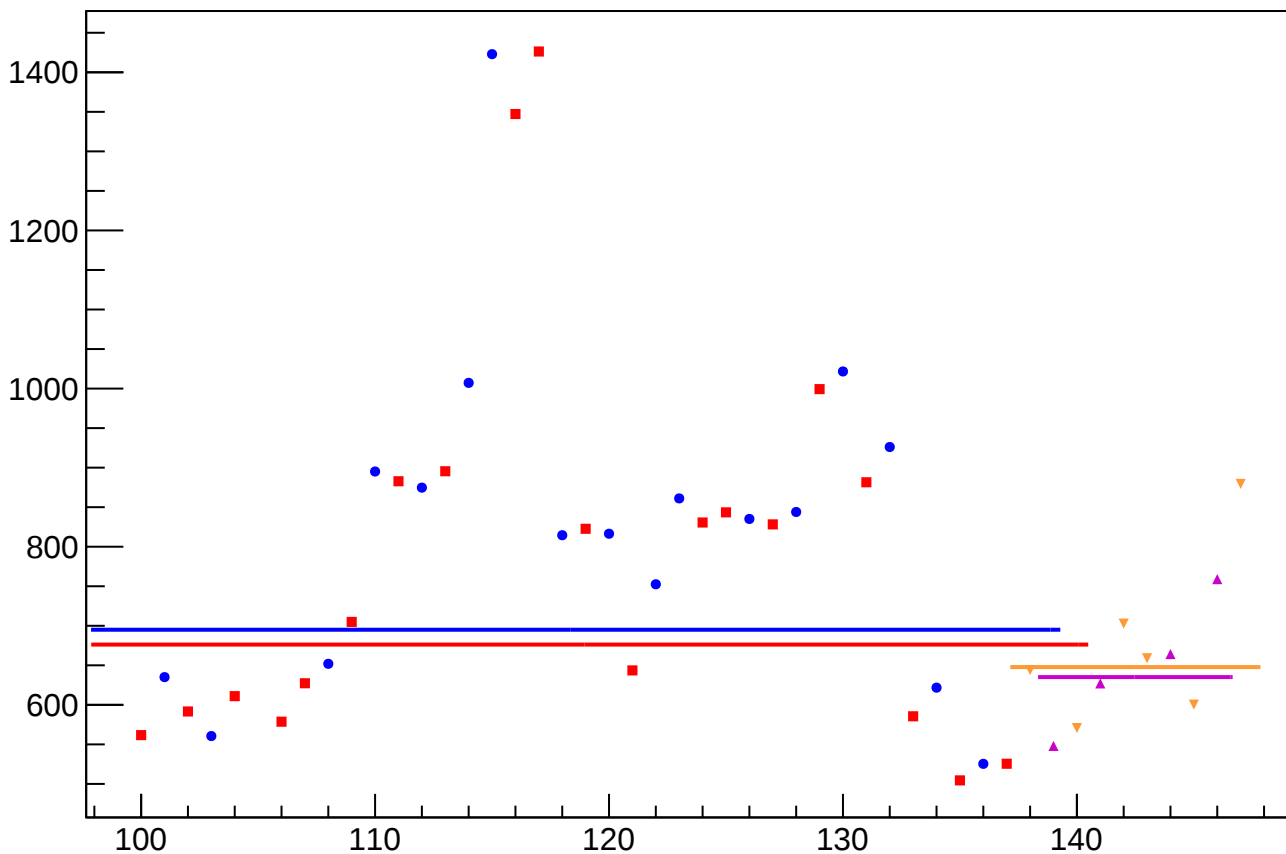
Left In: -824.587 $\pm$ 357.461 χ^2/NDF : 2.5/3

-7.563 $\pm$ 209.654 χ^2/NDF : 19.9/22

-292.734 $\pm$ 148.479 χ^2/NDF : 46.0/46

-579.694 $\pm$ 210.310 χ^2/NDF : 22.4/23

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 647.774 $\pm$ 0.227 χ^2 /NDF: 151037.0/5

Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

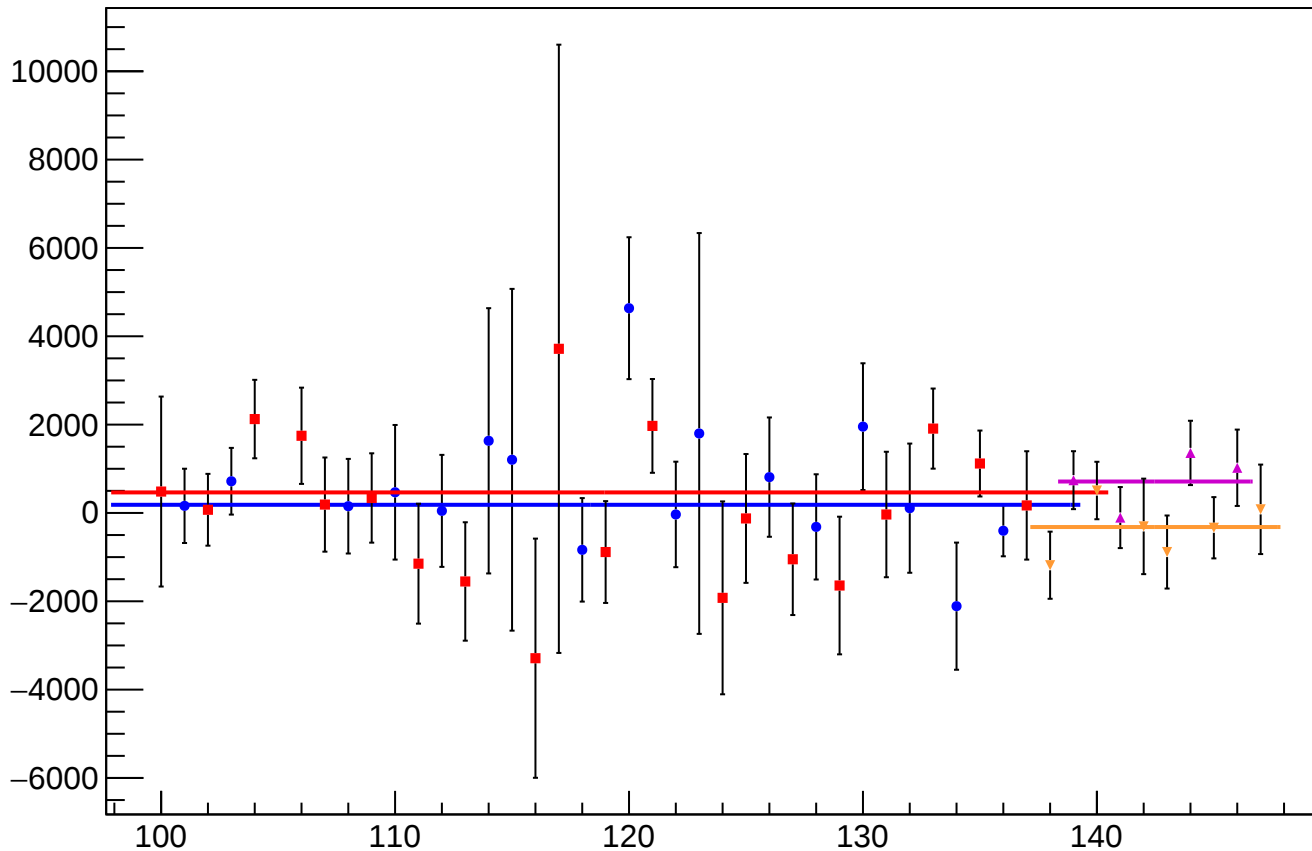
Left In: 635.129 $\pm$ 0.253 χ^2 /NDF: 81734.8/3

674.908 $\pm$ 0.148 χ^2 /NDF: 853573.4/22

668.475 $\pm$ 0.105 χ^2 /NDF: 1656687.4/46

662.002 $\pm$ 0.149 χ^2 /NDF: 799336.4/23

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -318.931 ± 325.017 χ^2/NDF : 3.5/5

Right Out: 464.916 ± 262.768 χ^2/NDF : 22.5/19

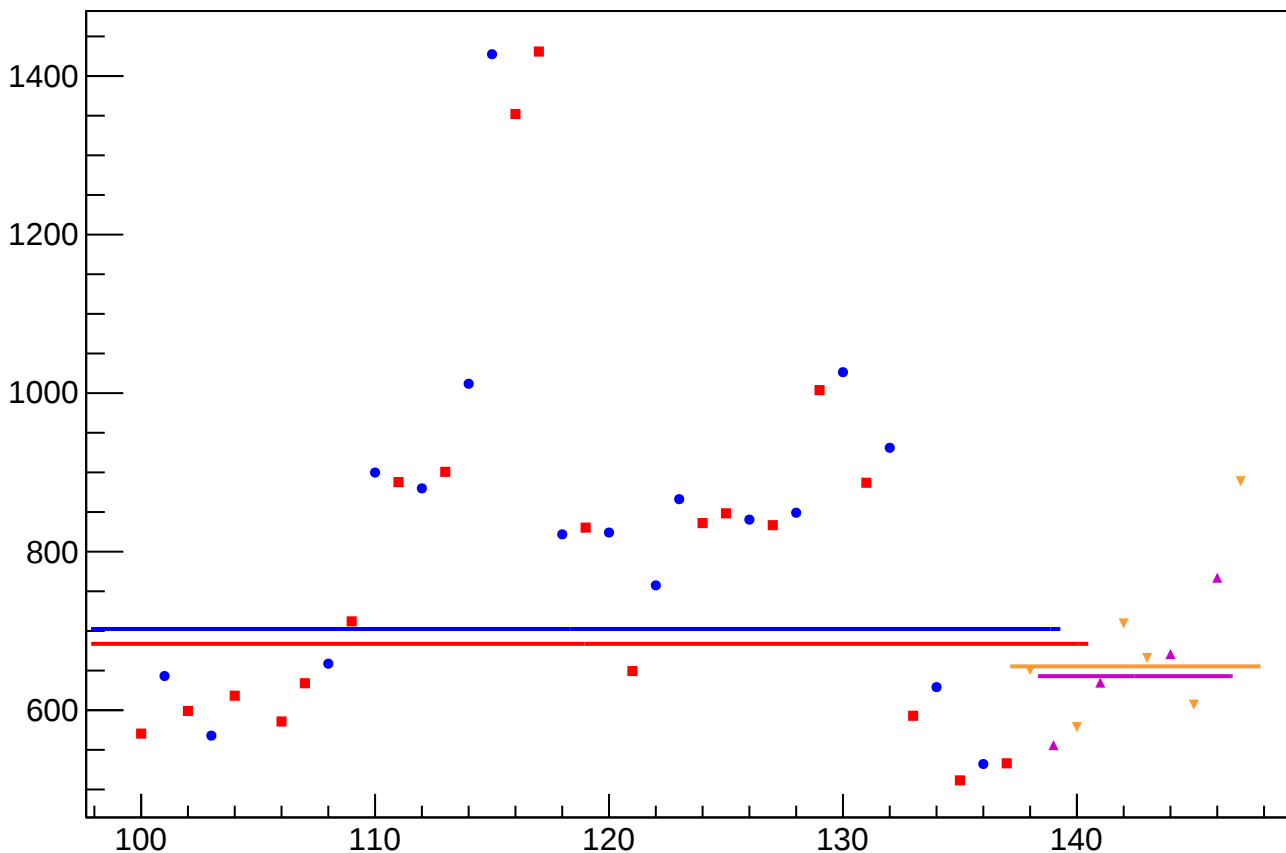
Left In: 711.573 ± 361.731 χ^2/NDF : 2.3/3

-29.416 ± 211.869 χ^2/NDF : 19.9/22

259.357 ± 150.071 χ^2/NDF : 48.7/46

550.115 ± 212.597 χ^2/NDF : 25.1/23

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 655.283+/-0.230 χ^2/NDF : 149126.2/5

Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

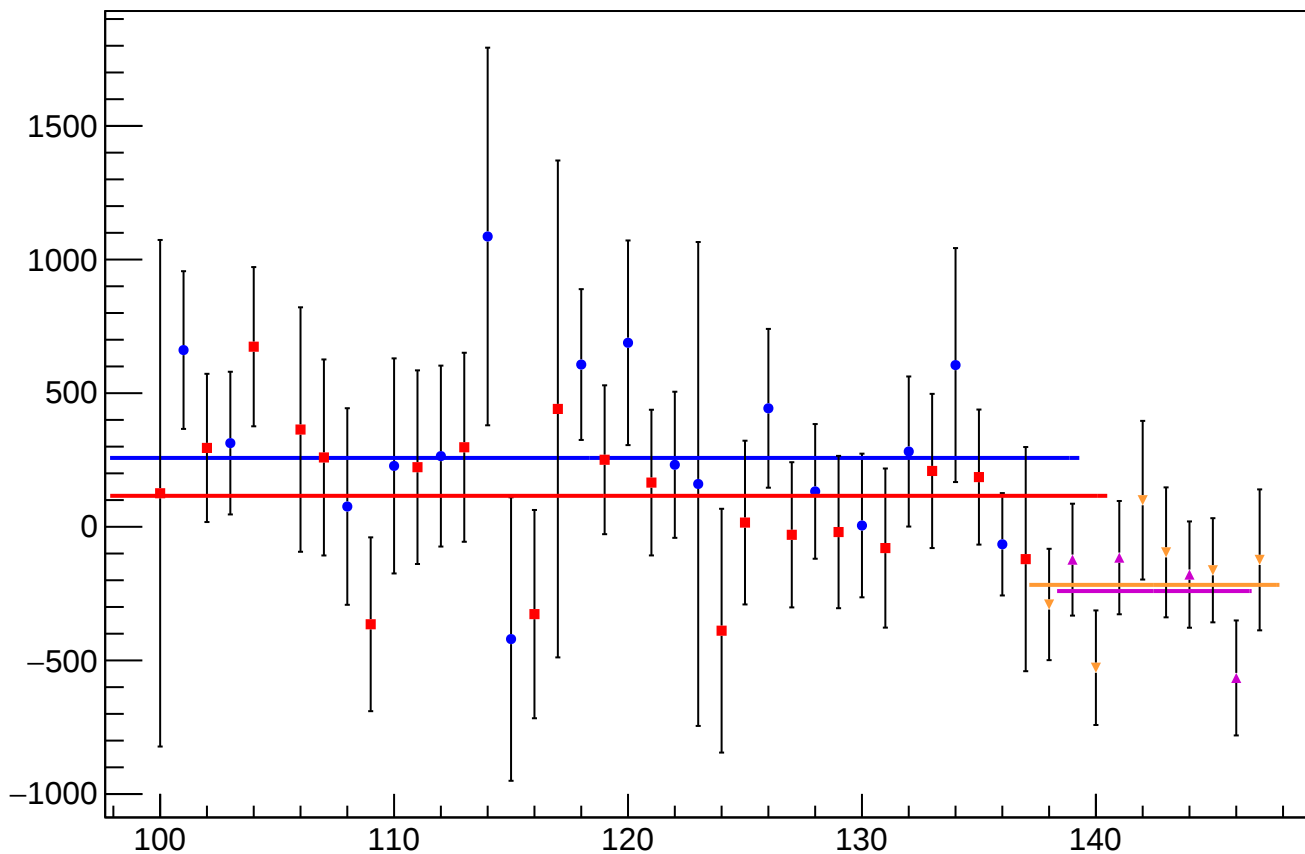
Left In: 642.940+/-0.256 χ^2/NDF : 79727.6/3

682.418+/-0.150 χ^2/NDF : 833892.6/22

676.058+/-0.106 χ^2/NDF : 1617006.6/46

669.654+/-0.150 χ^2/NDF : 779497.3/23

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -217.273 $\pm$ 93.746 χ^2 /NDF: 3.8/5

Right Out: 115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

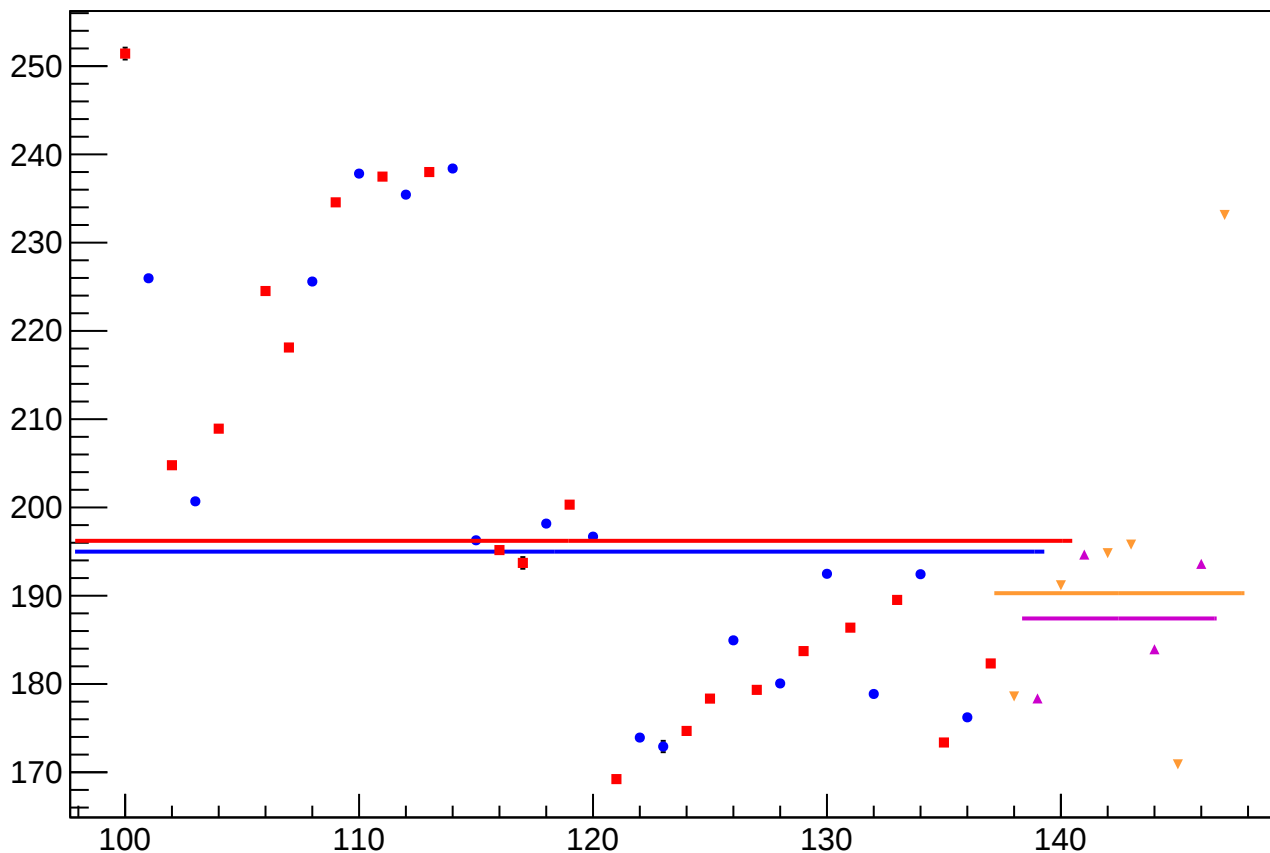
Left In: -240.449 $\pm$ 104.276 χ^2 /NDF: 3.0/3

69.550 $\pm$ 59.004 χ^2 /NDF: 32.3/22

33.895 $\pm$ 42.185 χ^2 /NDF: 55.2/46

-3.387 $\pm$ 60.335 χ^2 /NDF: 22.2/23

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 190.286 $\pm$ 0.066 χ^2 /NDF: 80436.1/5

Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

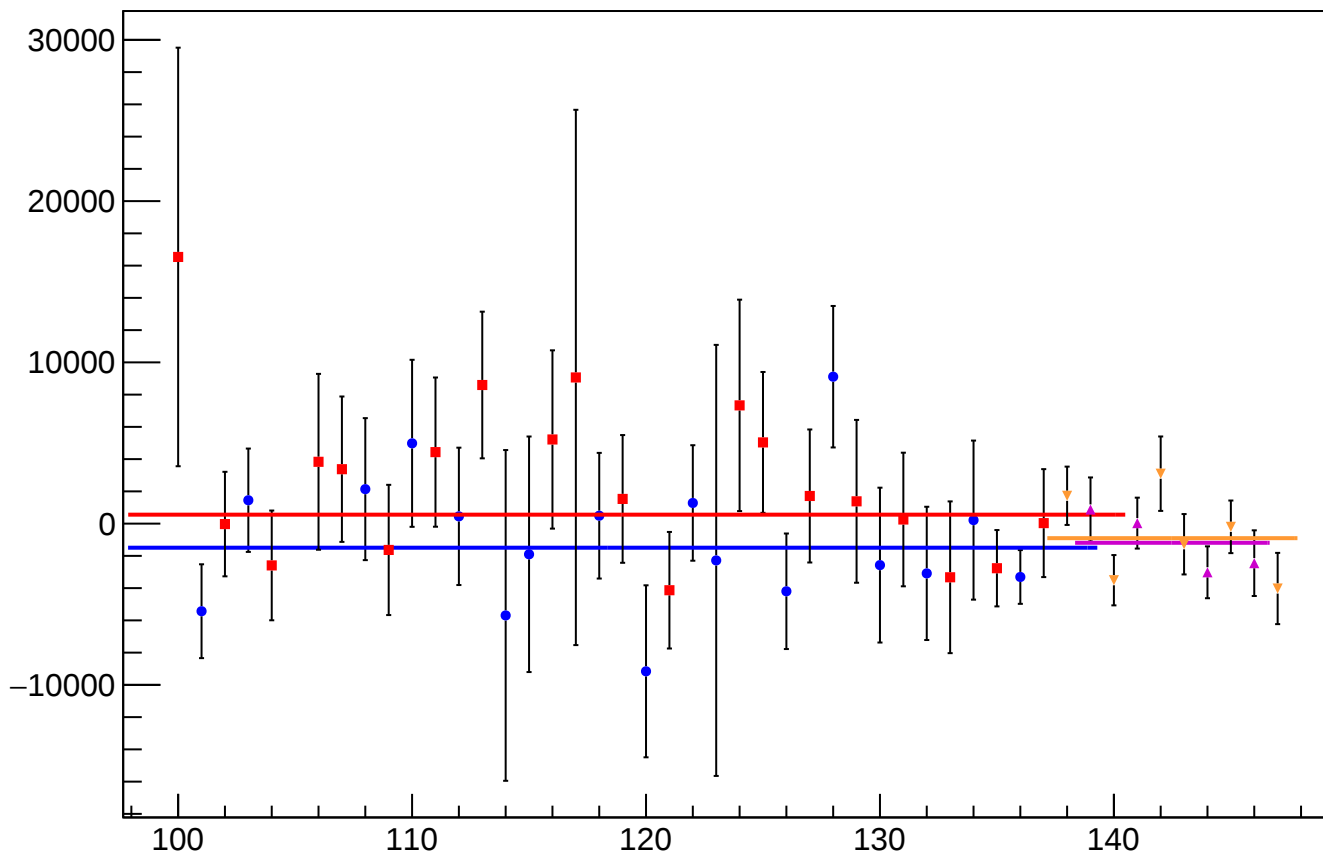
Left In: 187.423 $\pm$ 0.074 χ^2 /NDF: 8346.3/3

193.129 $\pm$ 0.042 χ^2 /NDF: 227753.4/22

193.200 $\pm$ 0.030 χ^2 /NDF: 419078.4/46

193.274 $\pm$ 0.043 χ^2 /NDF: 191319.1/23

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -901.762+/-751.493 χ^2/NDF : 10.1/5

Right Out: 555.744+/-933.239 χ^2/NDF : 14.9/19

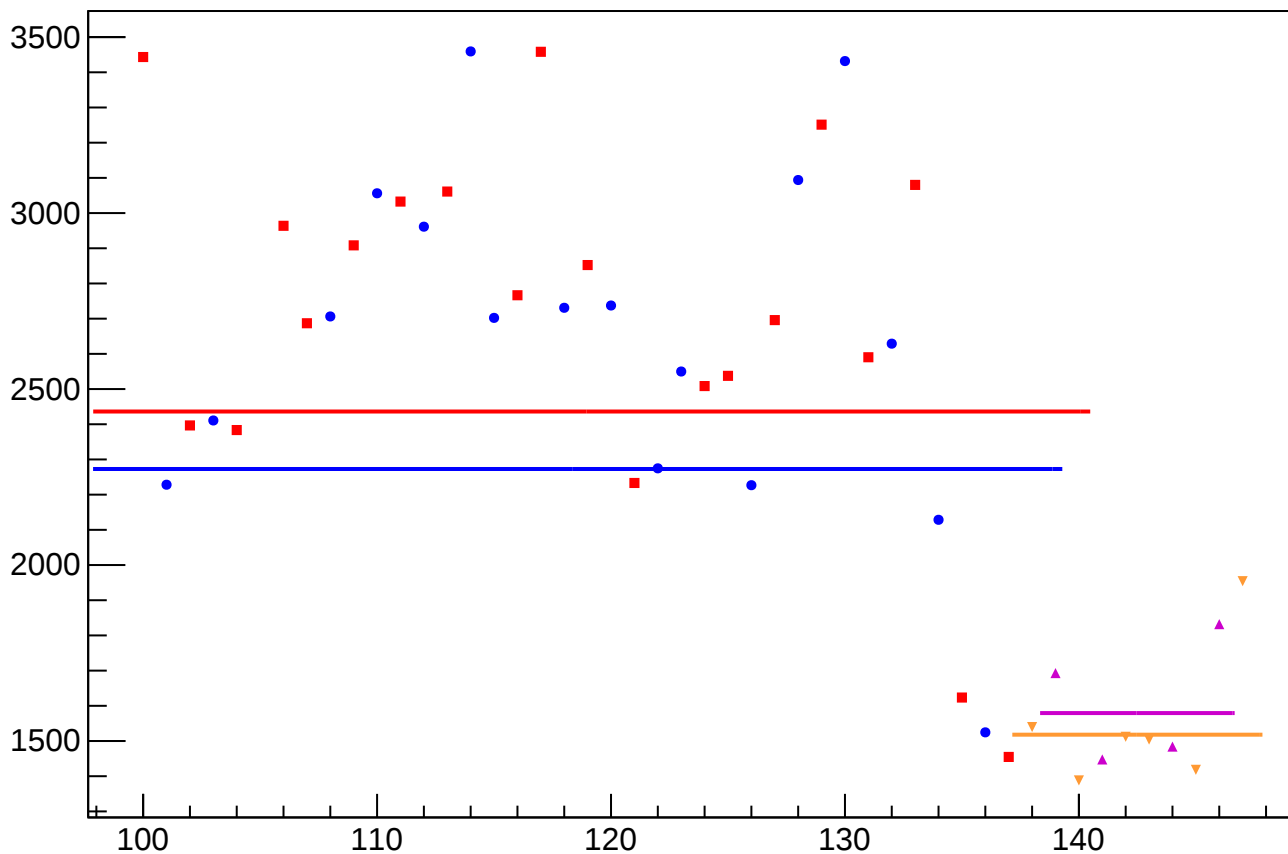
Left In: -1188.313+/-883.300 χ^2/NDF : 3.4/3

-1141.338+/-579.665 χ^2/NDF : 26.5/22

-792.027+/-430.094 χ^2/NDF : 47.4/46

-364.195+/-641.516 χ^2/NDF : 20.1/23

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 $\pm$ 0.644 χ^2 /NDF: 805650.3/16

Left Out: 1517.979 $\pm$ 0.531 χ^2 /NDF: 99724.7/5

Right Out: 2436.191 $\pm$ 0.660 χ^2 /NDF: 688391.3/19

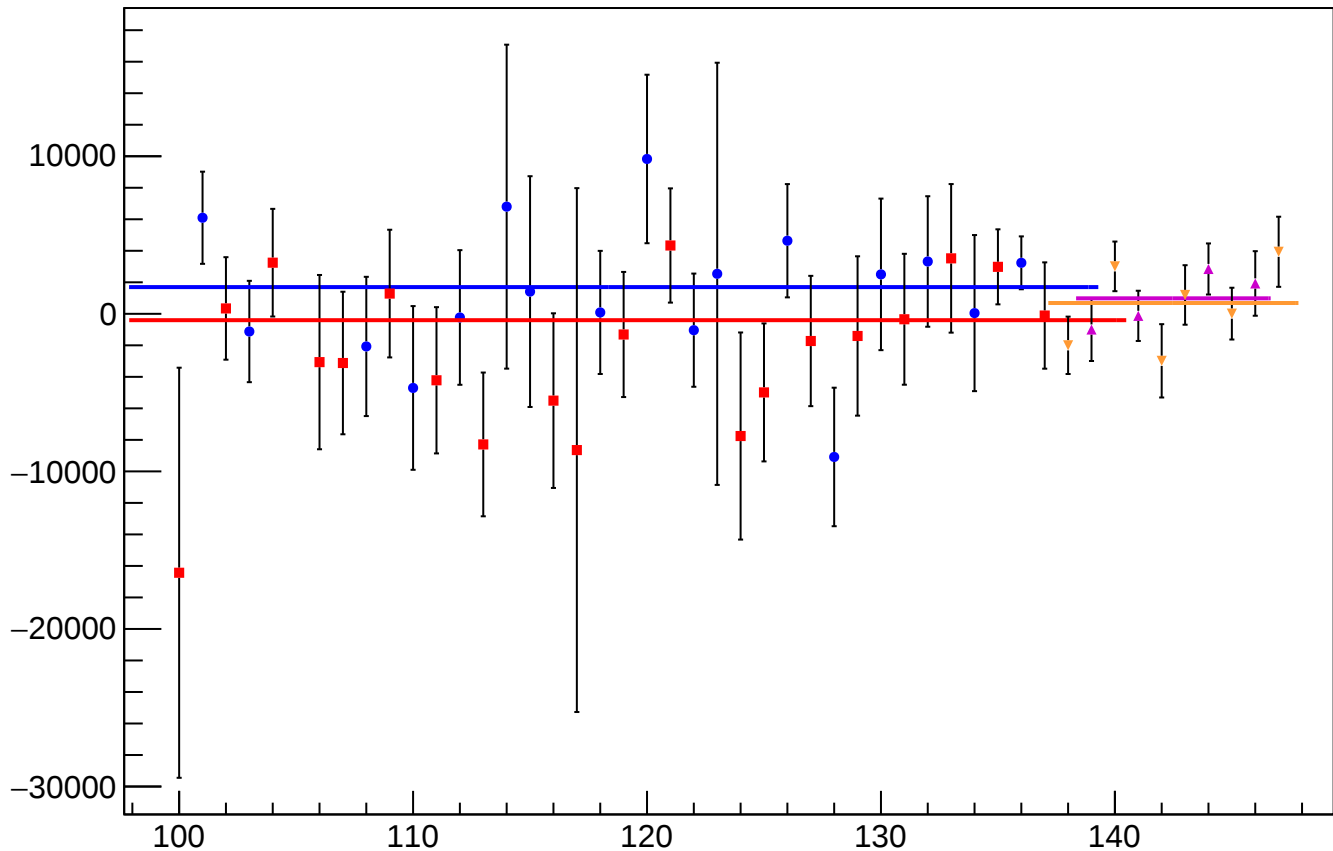
Left In: 1579.397 $\pm$ 0.625 χ^2 /NDF: 58241.6/3

1823.730 $\pm$ 0.410 χ^2 /NDF: 1722782.8/22

1895.884 $\pm$ 0.304 χ^2 /NDF: 3427550.9/46

1984.257 $\pm$ 0.454 χ^2 /NDF: 1635825.5/23

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 686.374 $\pm$ 757.591 χ^2/NDF : 9.2/5

Right Out: -403.904 $\pm$ 937.036 χ^2/NDF : 15.2/19

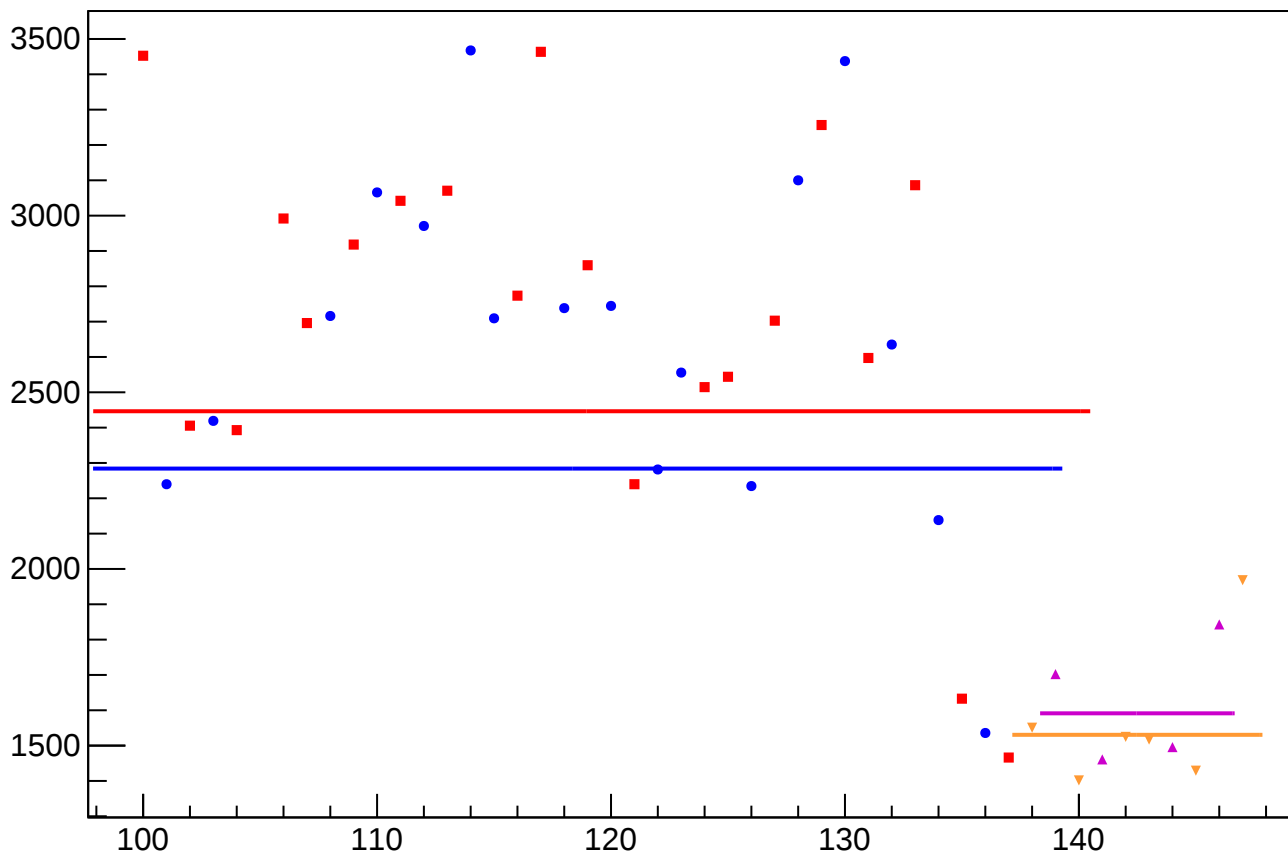
Left In: 983.405 $\pm$ 889.838 χ^2/NDF : 3.0/3

1097.064 $\pm$ 583.496 χ^2/NDF : 26.6/22

749.992 $\pm$ 432.784 χ^2/NDF : 46.7/46

325.568 $\pm$ 645.251 χ^2/NDF : 19.4/23

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1530.547+/-0.536 χ^2/NDF : 98780.5/5

Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

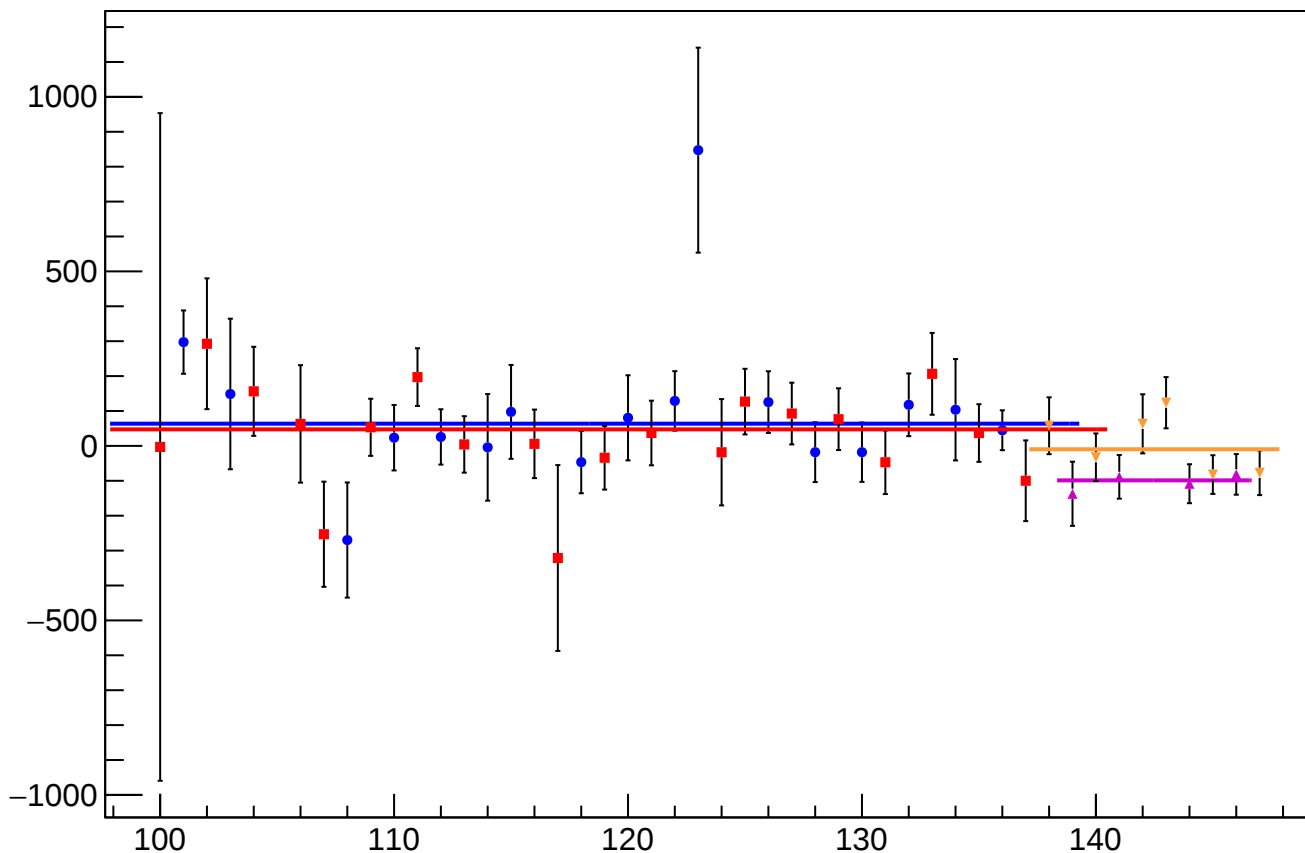
Left In: 1591.378+/-0.629 χ^2/NDF : 56679.6/3

1837.088+/-0.413 χ^2/NDF : 1697714.7/22

1908.936+/-0.306 χ^2/NDF : 3377748.9/46

1996.798+/-0.456 χ^2/NDF : 1612627.1/23

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -9.655 $\pm$ 28.149 χ^2 /NDF: 7.7/5

Right Out: 47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

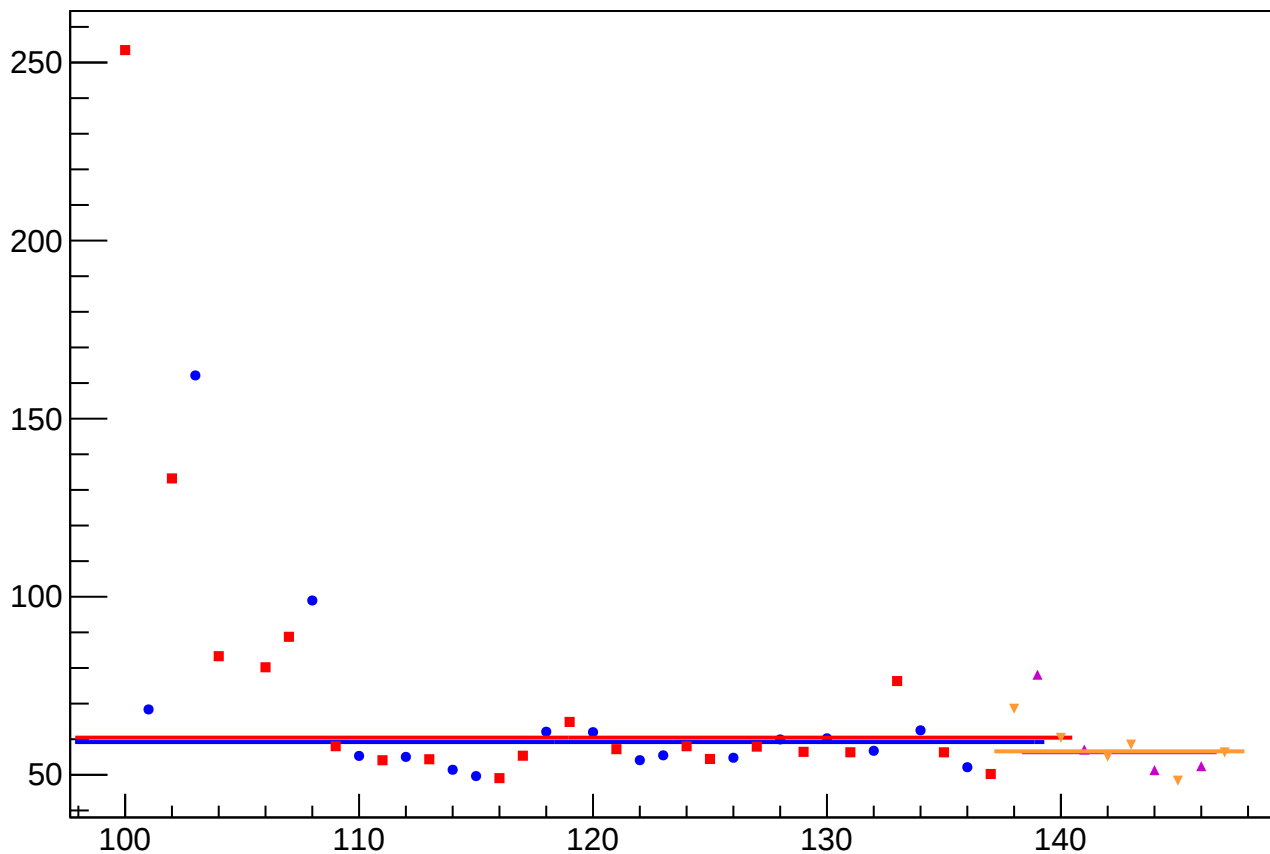
Left In: -98.790 $\pm$ 31.768 χ^2 /NDF: 0.3/3

33.187 $\pm$ 18.149 χ^2 /NDF: 35.3/22

15.126 $\pm$ 13.100 χ^2 /NDF: 70.1/46

-4.519 $\pm$ 18.928 χ^2 /NDF: 32.7/23

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 56.600 $\pm$ 0.020 χ^2 /NDF: 95359.7/5

Right Out: 60.443 $\pm$ 0.017 χ^2 /NDF: 680790.3/19

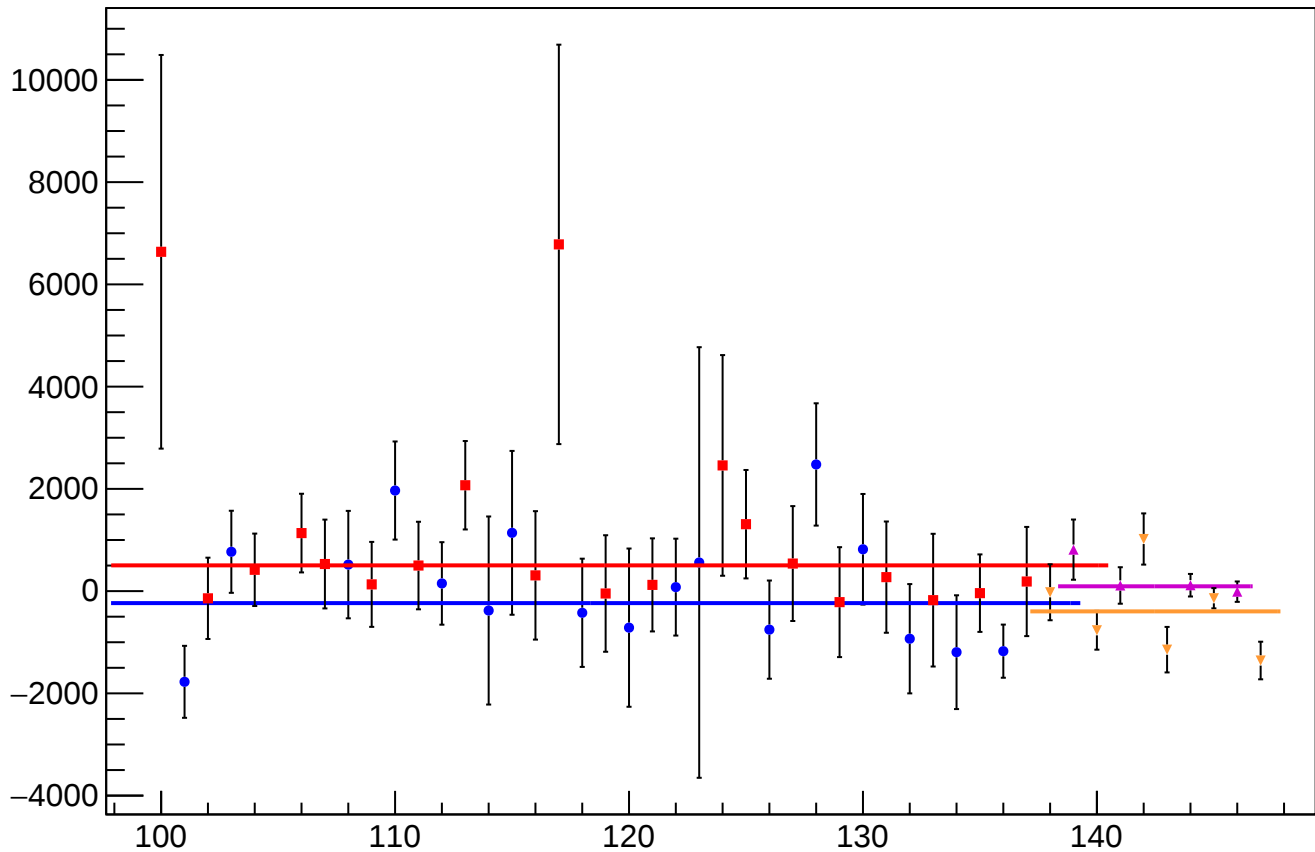
Left In: 56.353 $\pm$ 0.022 χ^2 /NDF: 137663.7/3

58.119 $\pm$ 0.013 χ^2 /NDF: 770805.9/22

58.537 $\pm$ 0.009 χ^2 /NDF: 1612850.6/46

58.991 $\pm$ 0.013 χ^2 /NDF: 839833.9/23

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -396.376 ± 138.355 χ^2/NDF : 20.8/5

Right Out: 503.638 ± 221.955 χ^2/NDF : 13.2/19

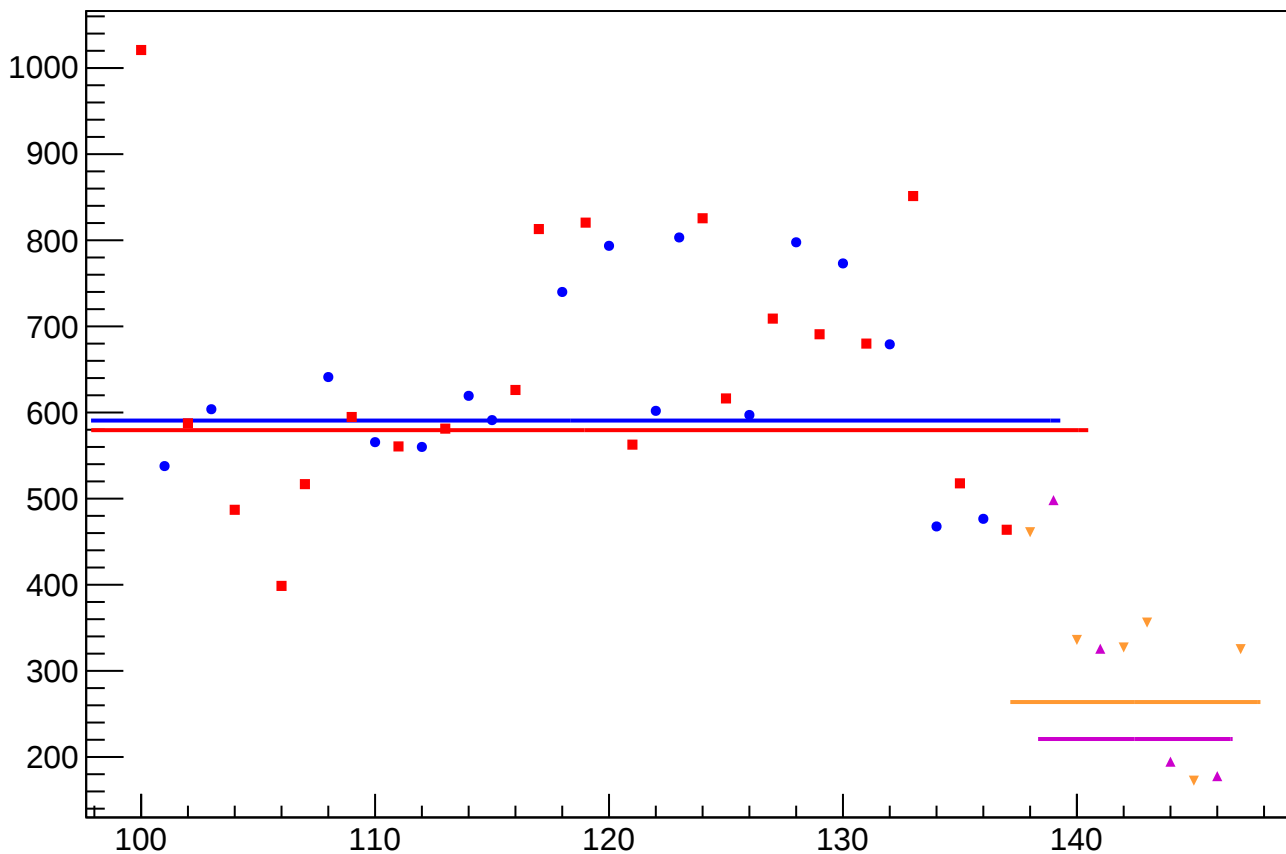
Left In: 94.283 ± 133.156 χ^2/NDF : 1.8/3

-354.411 ± 119.079 χ^2/NDF : 45.3/22

-64.210 ± 82.417 χ^2/NDF : 74.1/46

202.622 ± 114.184 χ^2/NDF : 17.4/23

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 263.808 $\pm$ 0.098 χ^2 /NDF: 931127.1/5

Right Out: 579.509 $\pm$ 0.157 χ^2 /NDF: 501132.1/19

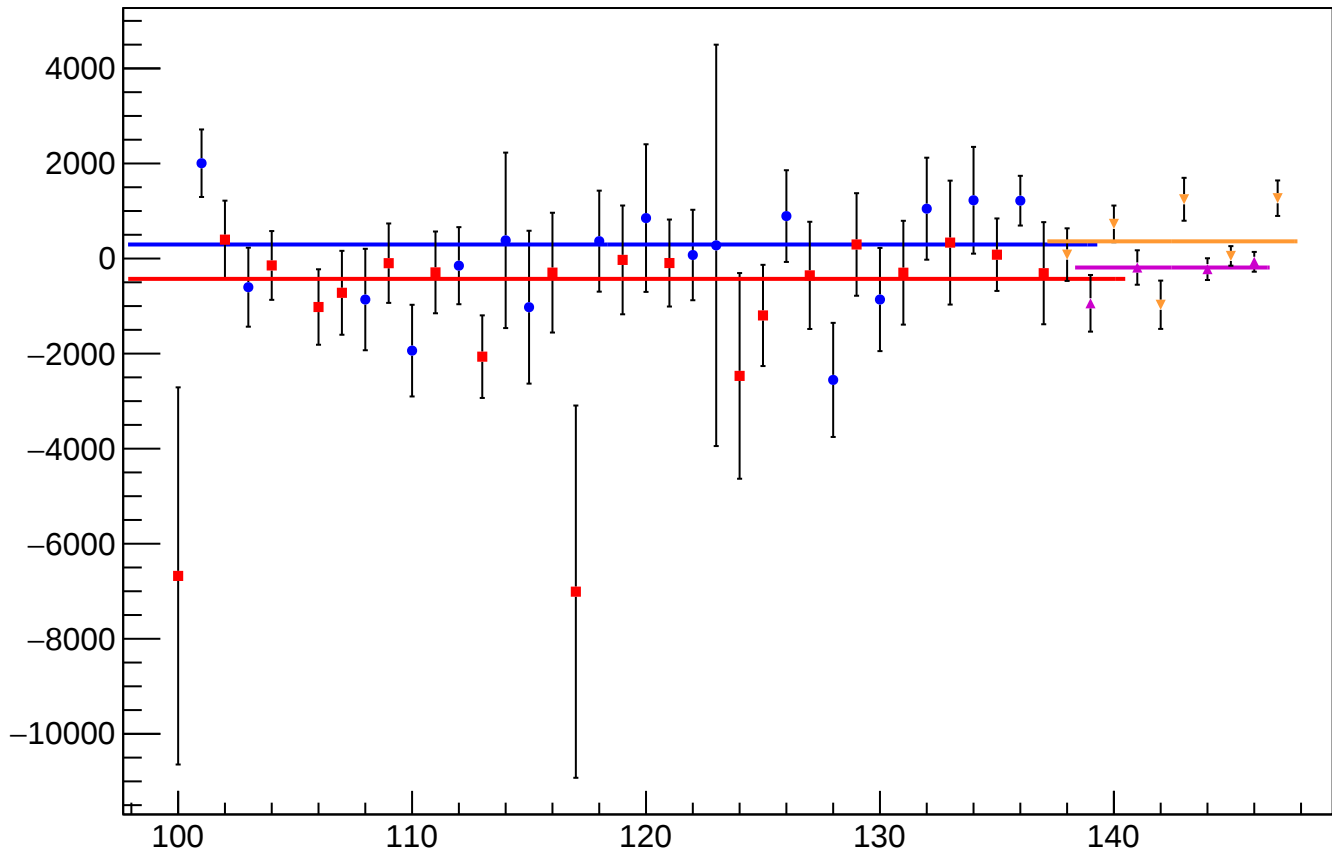
Left In: 220.881 $\pm$ 0.094 χ^2 /NDF: 738611.2/3

348.538 $\pm$ 0.084 χ^2 /NDF: 4176729.8/22

331.479 $\pm$ 0.058 χ^2 /NDF: 9334797.7/46

315.794 $\pm$ 0.081 χ^2 /NDF: 5079285.5/23

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 361.834 $\pm$ 142.010 χ^2 /NDF:20.0/5

Right Out: -427.853 $\pm$ 224.485 χ^2 /NDF: 13.8/19

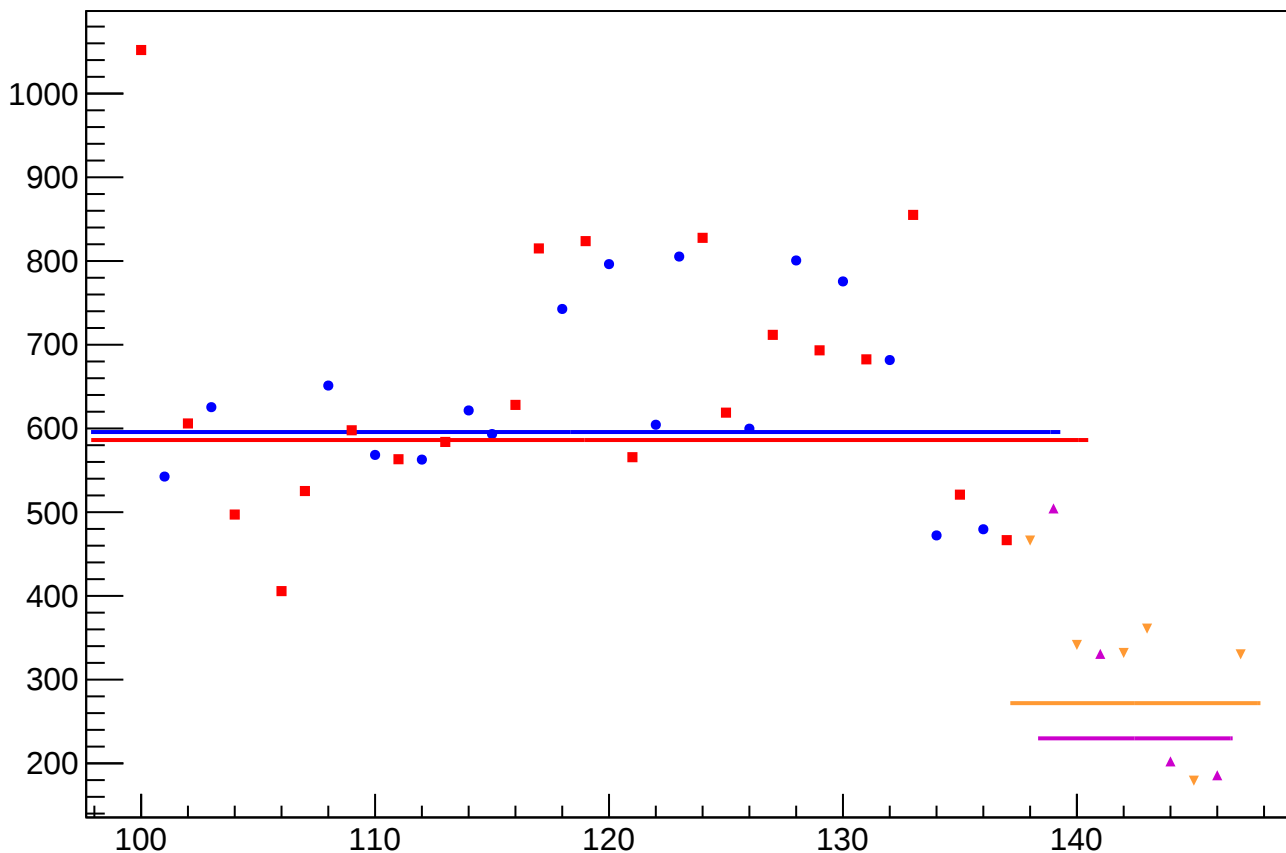
Left In: -188.883 $\pm$ 137.895 χ^2 /NDF:2.0/3

344.159 $\pm$ 121.660 χ^2 /NDF: 46.2/22

34.491 $\pm$ 84.517 χ^2 /NDF: 75.3/46

-254.350 $\pm$ 117.498 χ^2 /NDF: 16.6/23

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 271.907 $\pm$ 0.100 χ^2 /NDF:871048.9/5

Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

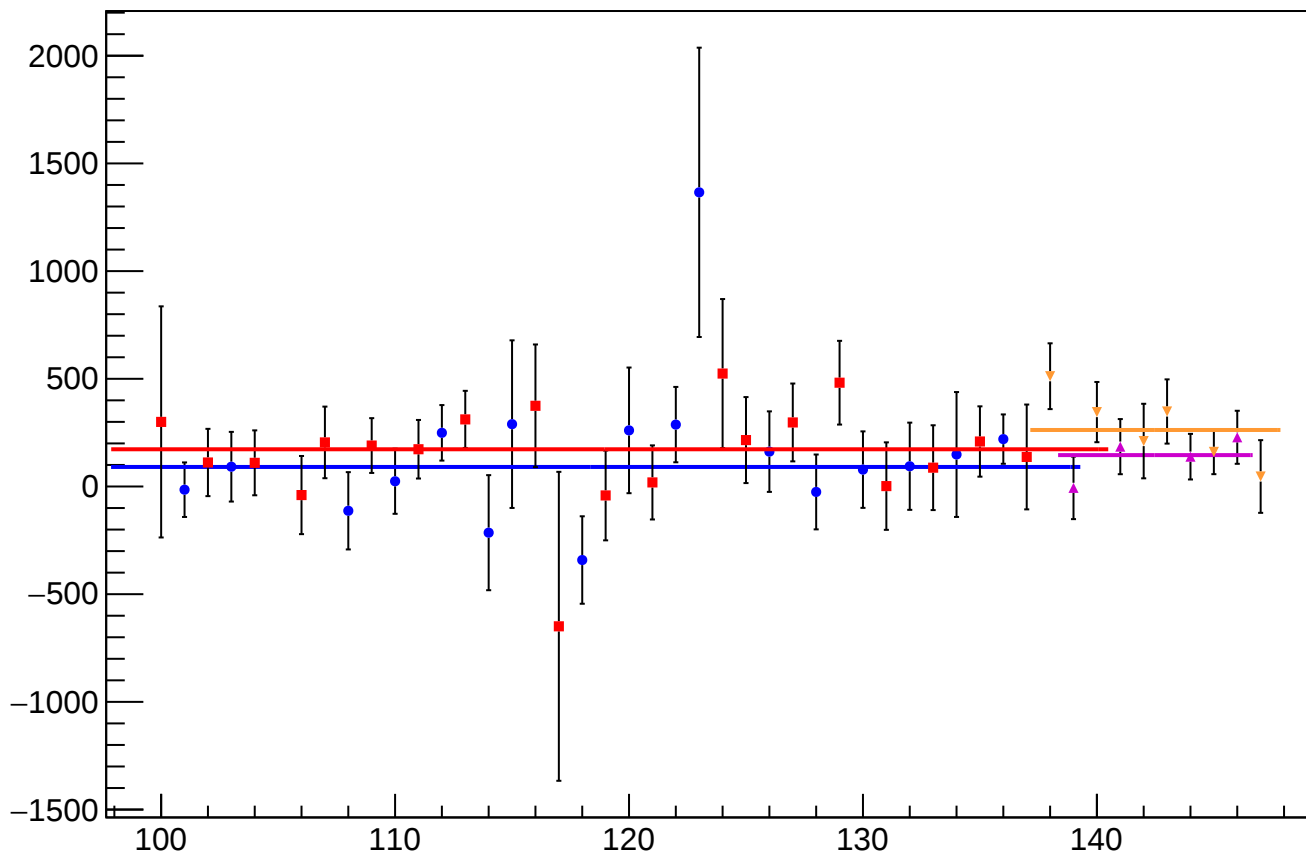
Left In: 229.859 $\pm$ 0.098 χ^2 /NDF:698390.9/3

358.065 $\pm$ 0.086 χ^2 /NDF: 3988081.7/22

342.238 $\pm$ 0.060 χ^2 /NDF: 8891612.9/46

327.475 $\pm$ 0.083 χ^2 /NDF: 4838108.2/23

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 262.382+/-57.649 χ^2/NDF : 6.0/5

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

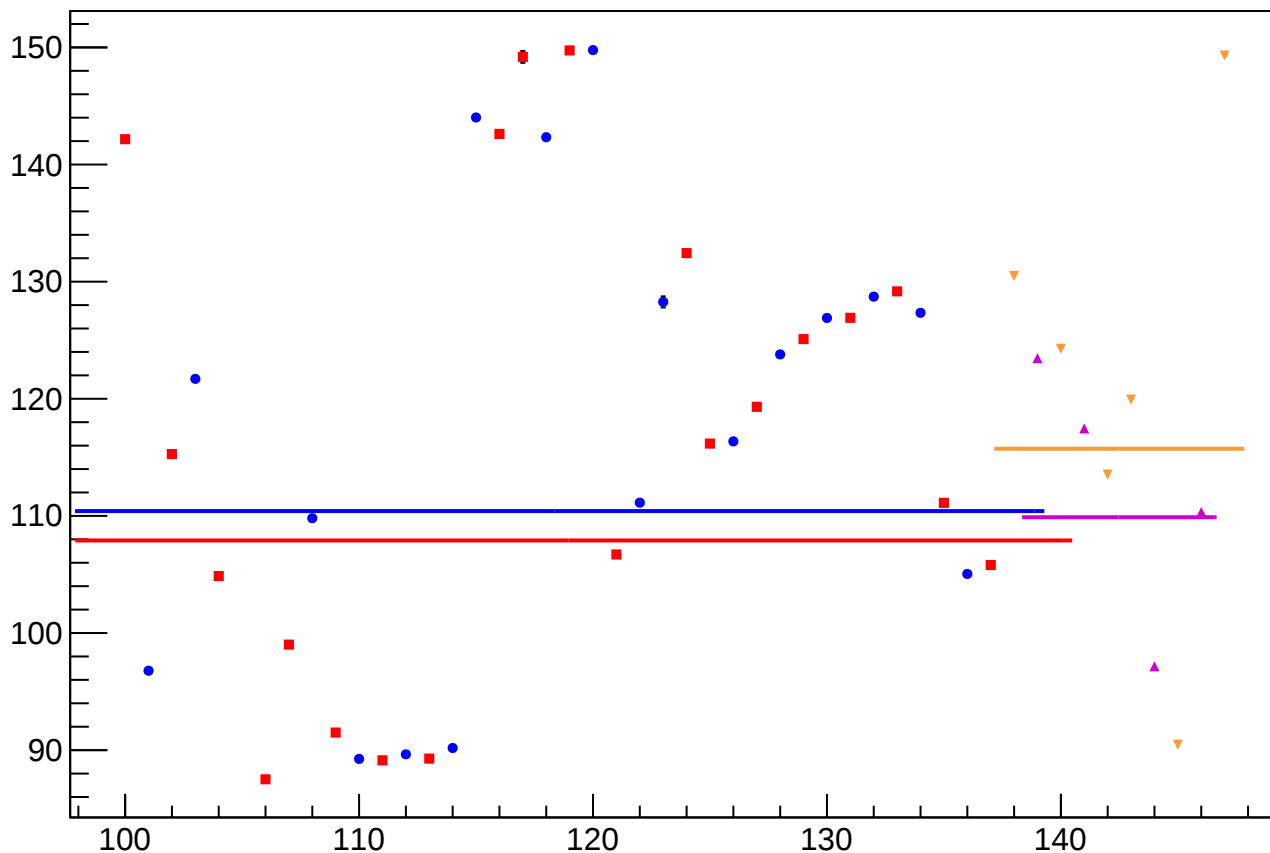
Left In: 145.738+/-61.589 χ^2/NDF : 1.6/3

152.651+/-34.628 χ^2/NDF : 28.6/22

158.643+/-24.314 χ^2/NDF : 42.1/46

164.470+/-34.149 χ^2/NDF : 13.4/23

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 115.738 $\pm$ 0.041 χ^2 /NDF: 226491.2/5

Right Out: 107.903 $\pm$ 0.029 χ^2 /NDF: 351091.4/19

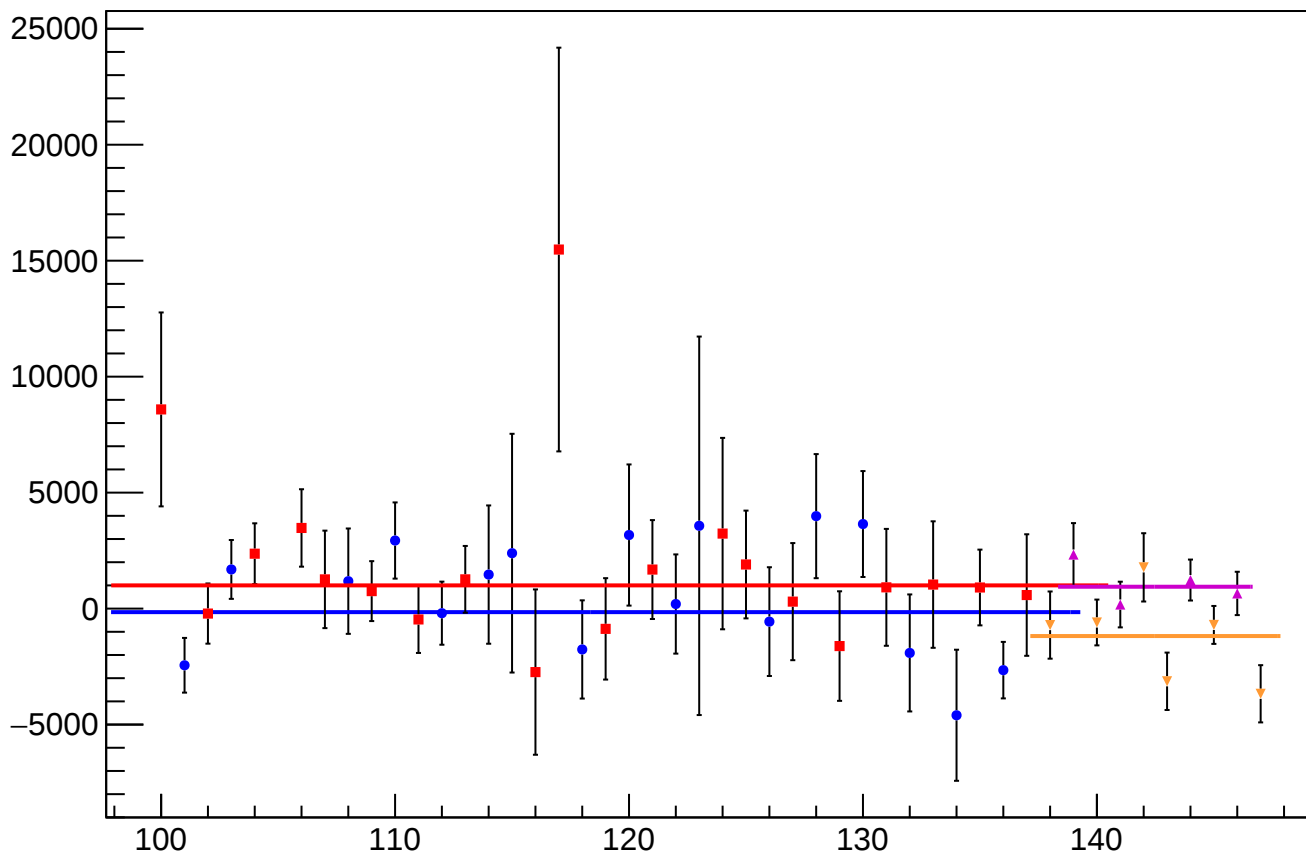
Left In: 109.887 $\pm$ 0.044 χ^2 /NDF: 53426.6/3

112.333 $\pm$ 0.024 χ^2 /NDF: 533831.4/22

110.397 $\pm$ 0.017 χ^2 /NDF: 952126.0/46

108.513 $\pm$ 0.024 χ^2 /NDF: 405954.7/23

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -1183.347+/-457.883 χ^2/NDF : 11.4/5

Right Out: 1000.907+/-434.569 χ^2/NDF : 15.1/19

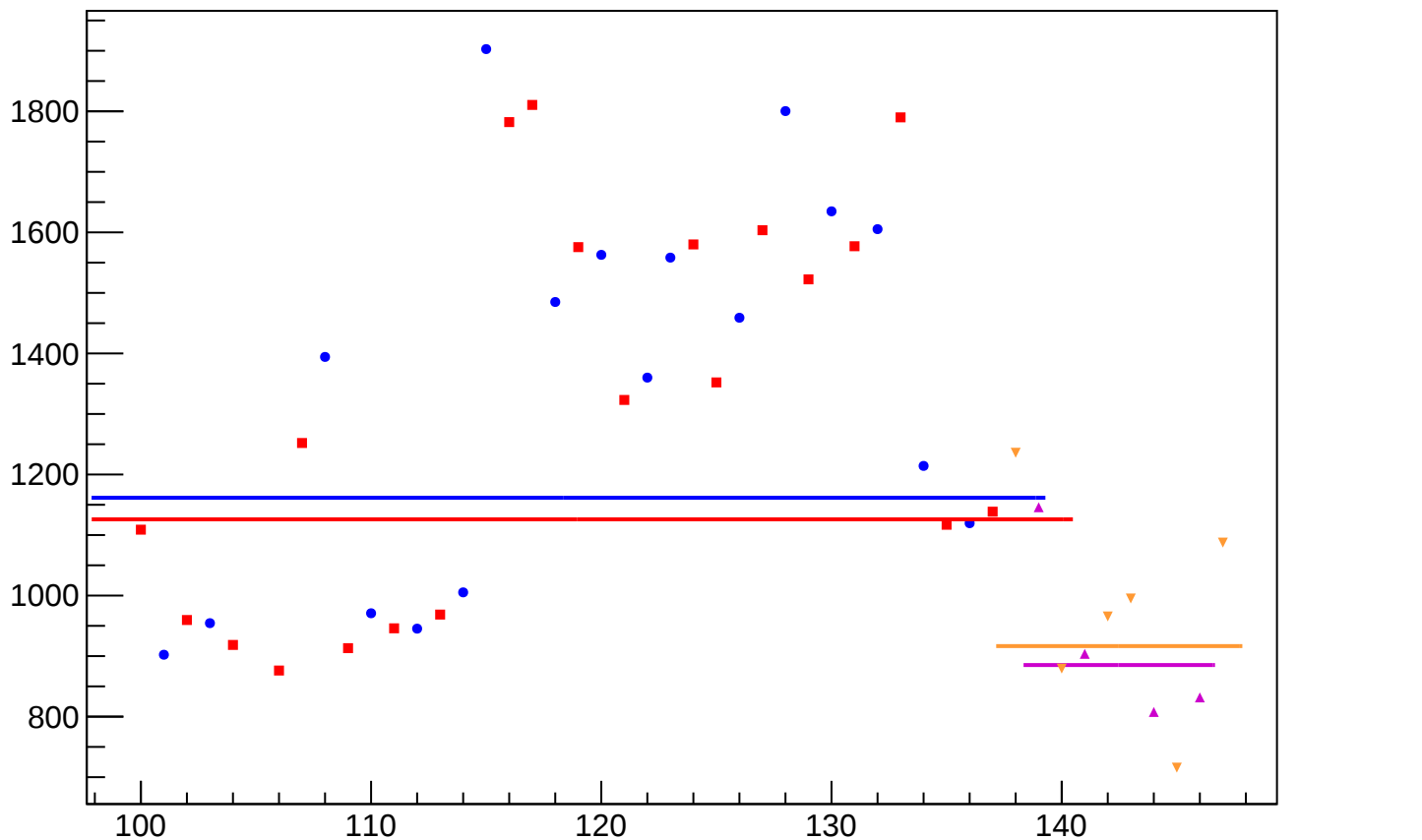
Left In: 942.921+/-499.742 χ^2/NDF : 1.9/3

-675.551+/-326.174 χ^2/NDF : 38.6/22

145.774+/-231.256 χ^2/NDF : 68.2/46

975.939+/-327.925 χ^2/NDF : 16.9/23

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 916.563 $\pm$ 0.324 χ^2 /NDF:269340.5/5

Right Out: 1125.946 $\pm$ 0.307 χ^2 /NDF: 780195.3/19

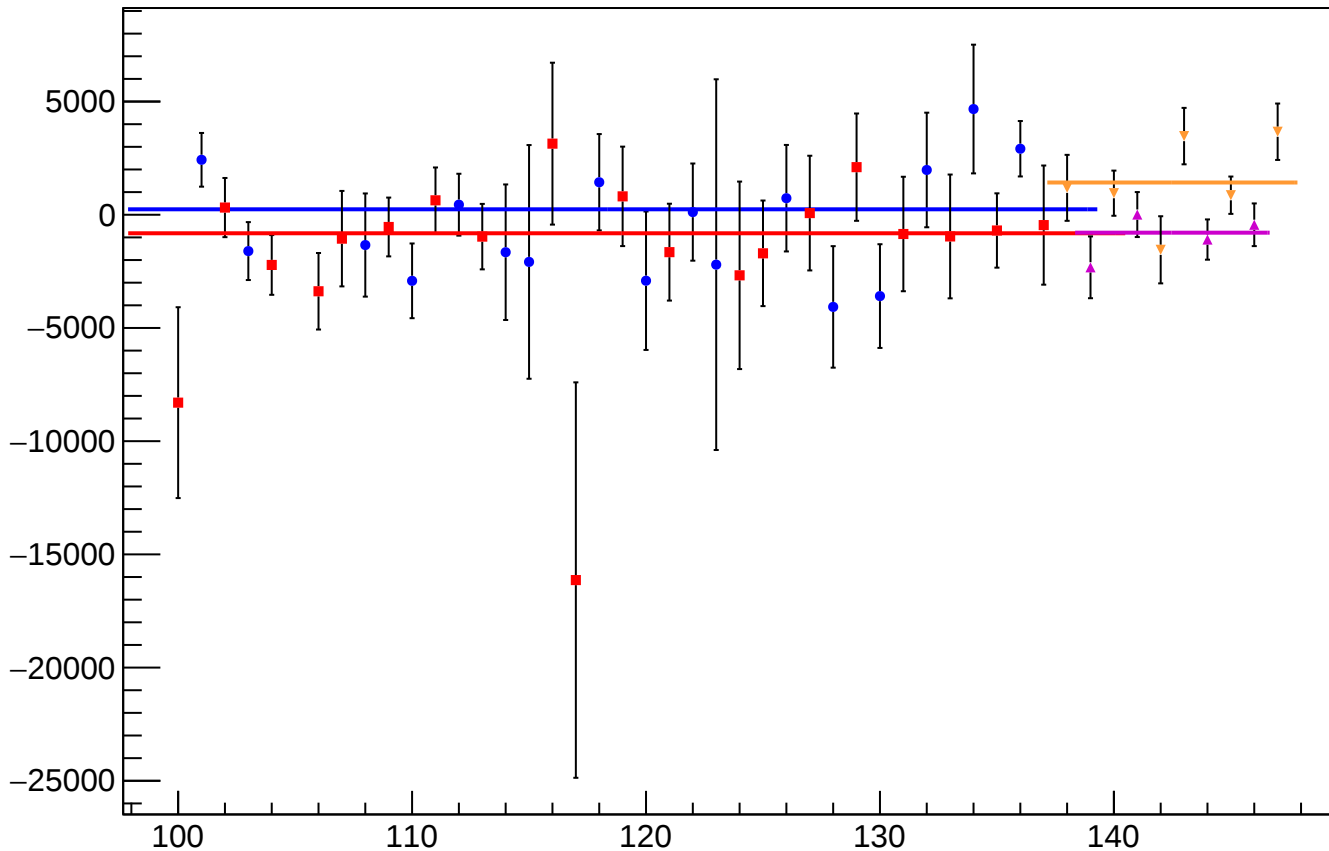
Left In: 885.250 $\pm$ 0.353 χ^2 /NDF:96547.6/3

1037.223 $\pm$ 0.231 χ^2 /NDF: 1247209.3/22

1029.805 $\pm$ 0.164 χ^2 /NDF: 2390215.1/46

1022.307 $\pm$ 0.232 χ^2 /NDF: 1140925.7/23

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 ± 467.036 $\chi^2/\text{NDF}: 24.8/16$

Left Out: 1424.486 ± 461.661 $\chi^2/\text{NDF}: 10.7/5$

Right Out: -817.635 ± 436.939 $\chi^2/\text{NDF}: 15.4/19$

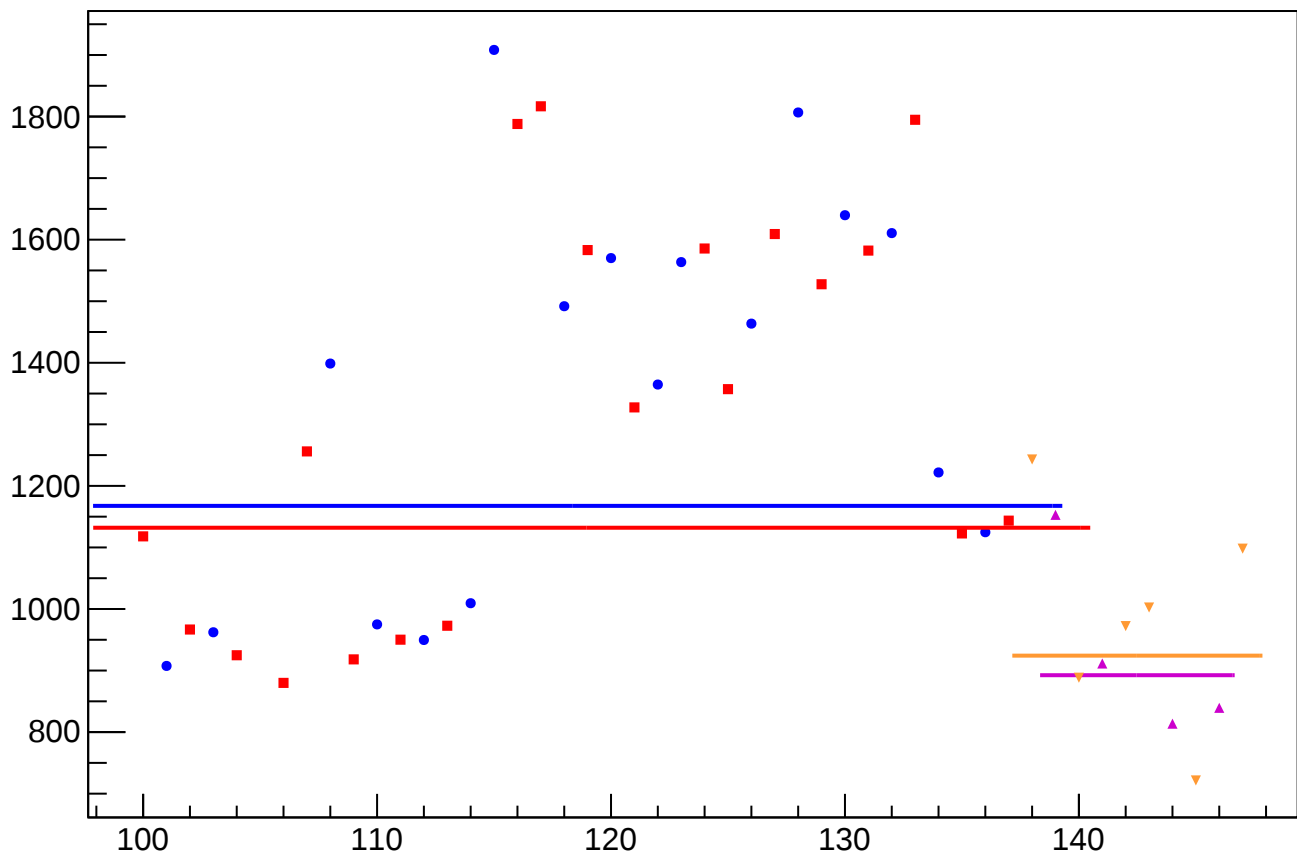
Left In: -791.776 ± 503.714 $\chi^2/\text{NDF}: 2.2/3$

839.460 ± 328.328 $\chi^2/\text{NDF}: 38.7/22$

20.806 ± 232.774 $\chi^2/\text{NDF}: 68.8/46$

-806.532 ± 330.065 $\chi^2/\text{NDF}: 17.6/23$

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 +/- 0.330 χ^2/NDF : 690485.6/16

Left Out: 924.221 +/- 0.326 χ^2/NDF : 268222.0/5

Right Out: 1132.019 +/- 0.309 χ^2/NDF : 773827.8/19

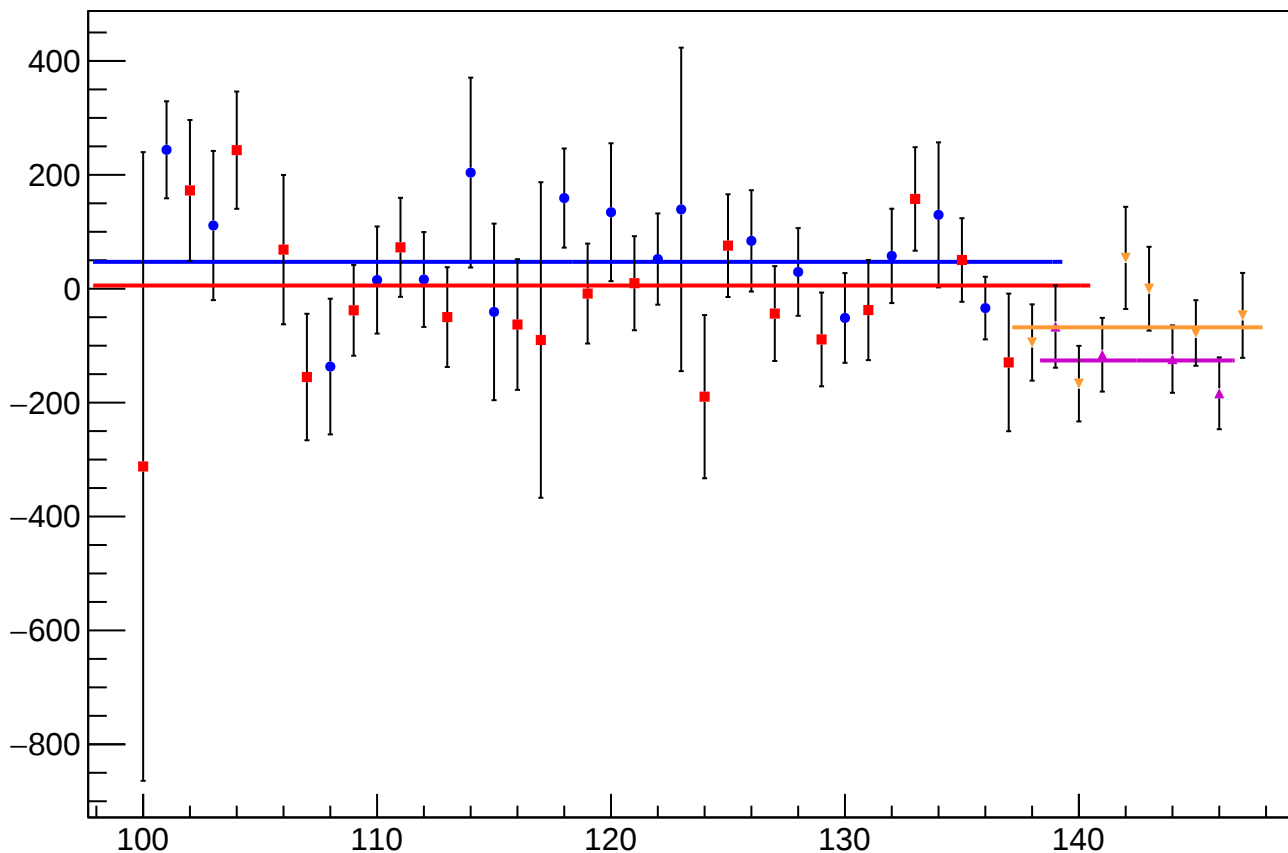
Left In: 892.435 +/- 0.356 χ^2/NDF : 95635.1/3

1044.472 +/- 0.232 χ^2/NDF : 1233271.1/22

1036.851 +/- 0.165 χ^2/NDF : 2363086.7/46

1029.149 +/- 0.233 χ^2/NDF : 1127649.1/23

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -67.723 ± 28.403 $\chi^2/\text{NDF}: 5.2/5$

Right Out: 5.636 ± 22.057 $\chi^2/\text{NDF}: 20.4/19$

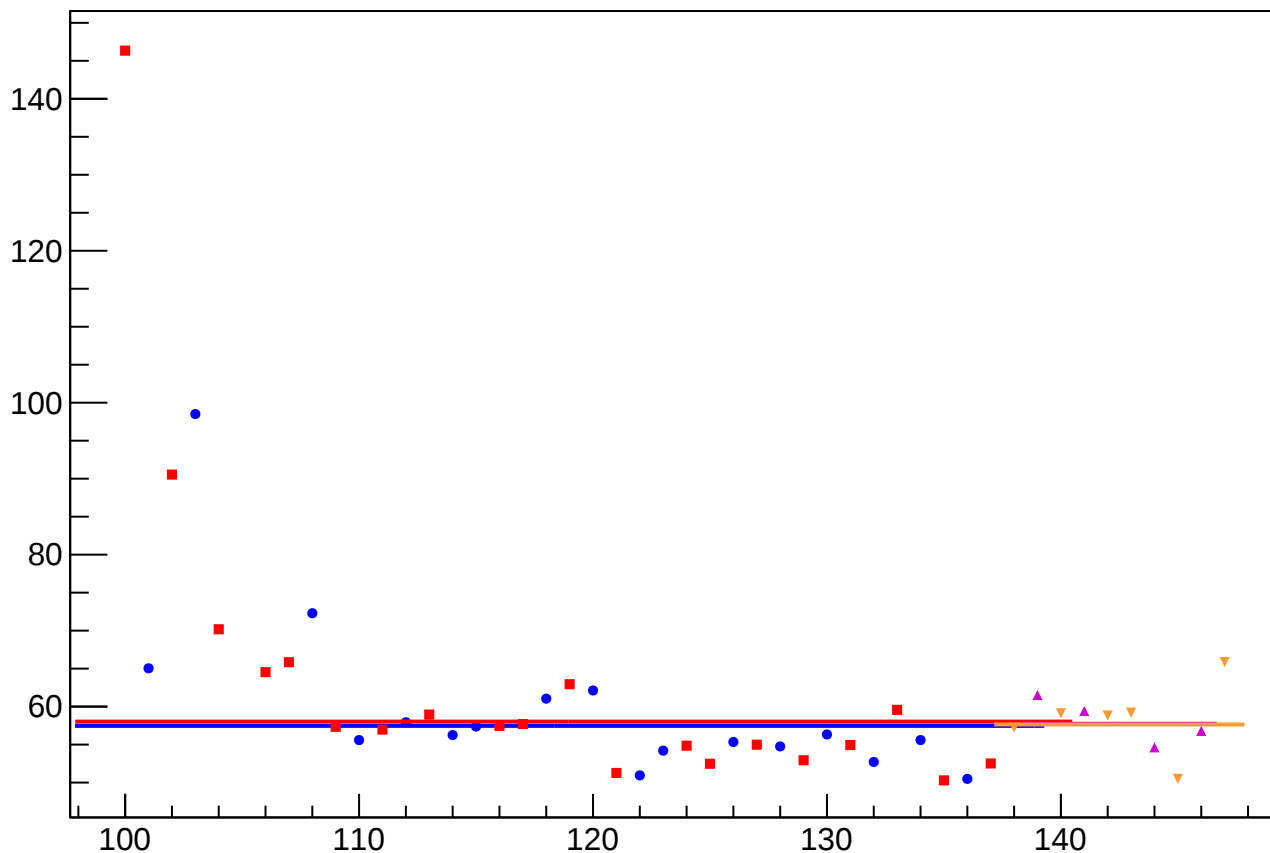
Left In: -125.964 ± 32.148 $\chi^2/\text{NDF}: 1.5/3$

2.744 ± 17.668 $\chi^2/\text{NDF}: 31.3/22$

-16.302 ± 12.673 $\chi^2/\text{NDF}: 67.0/46$

-36.486 ± 18.188 $\chi^2/\text{NDF}: 33.3/23$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465 $\pm$ 0.016 χ^2/NDF : 307156.4/16

Left Out: 57.648 $\pm$ 0.020 χ^2/NDF : 57394.3/5

Right Out: 58.025 $\pm$ 0.016 χ^2/NDF : 300790.9/19

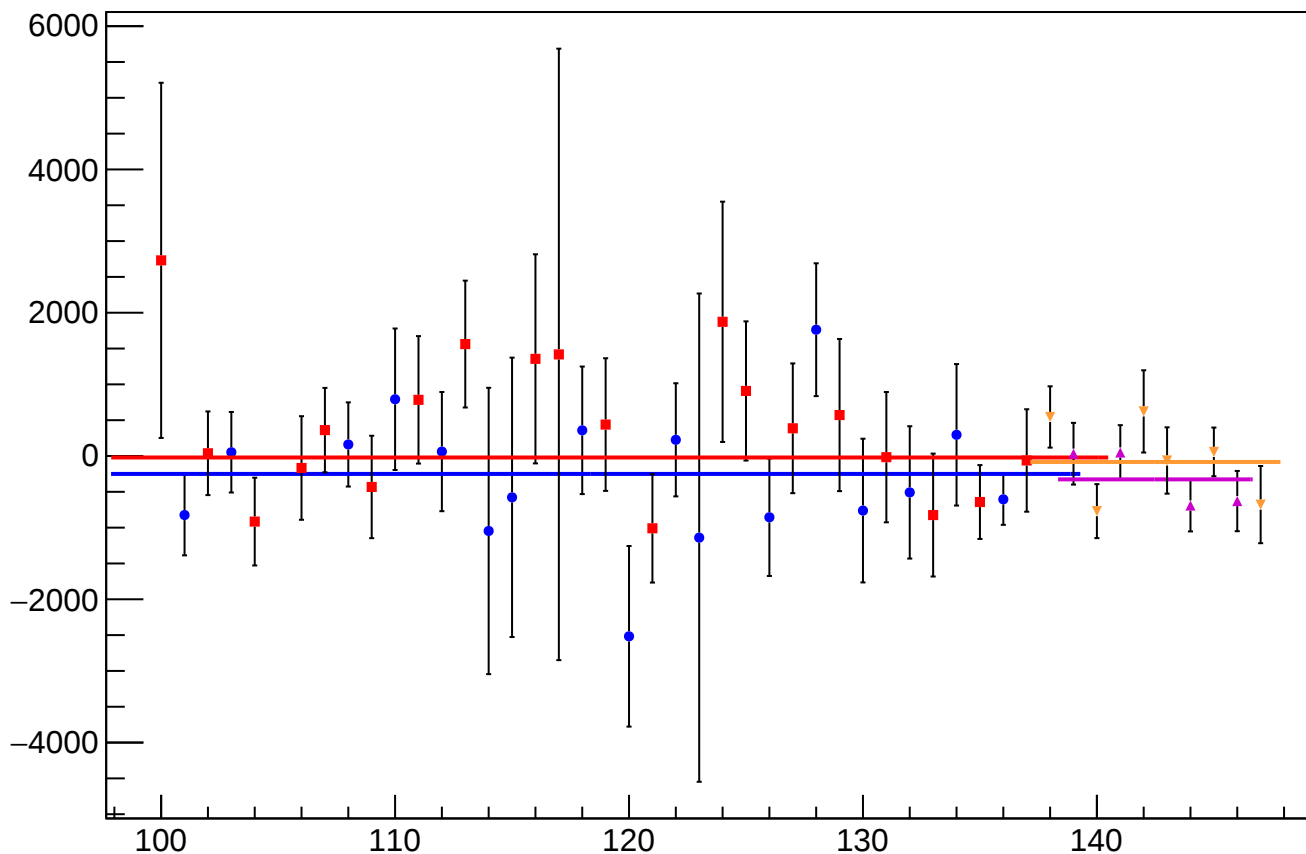
Left In: 57.741 $\pm$ 0.023 χ^2/NDF : 12749.0/3

57.536 $\pm$ 0.012 χ^2/NDF : 364601.1/22

57.729 $\pm$ 0.009 χ^2/NDF : 678740.4/46

57.934 $\pm$ 0.013 χ^2/NDF : 313645.6/23

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140+/-184.092 χ^2/NDF : 14.3/16

Left Out: -83.138+/-175.916 χ^2/NDF : 8.4/5

Right Out: -20.701+/-181.669 χ^2/NDF : 16.2/19

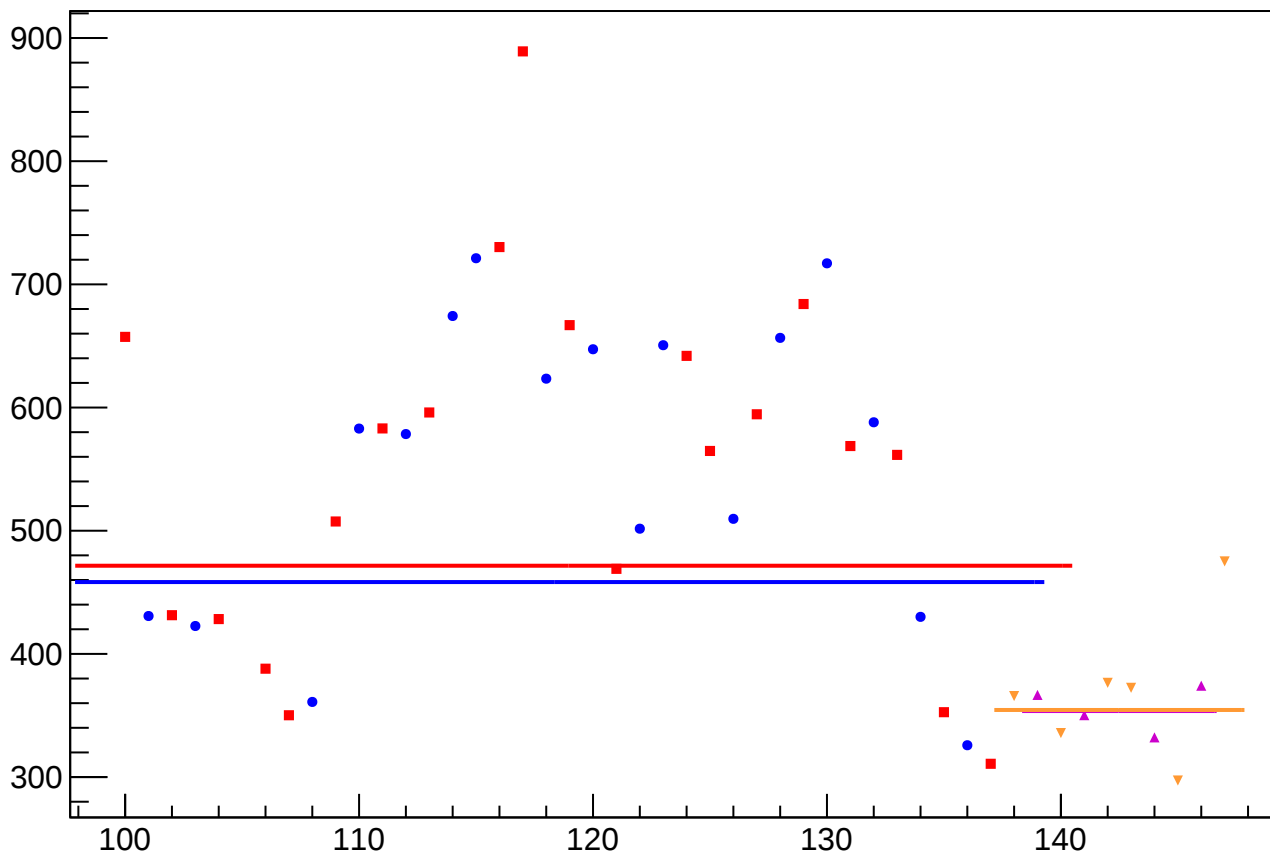
Left In: -326.178+/-197.755 χ^2/NDF : 3.2/3

-162.848+/-127.184 χ^2/NDF : 23.1/22

-161.739+/-92.178 χ^2/NDF : 43.8/46

-160.512+/-133.786 χ^2/NDF : 20.7/23

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 354.478 $\pm$ 0.124 χ^2/NDF :169280.4/5

Right Out: 471.585 $\pm$ 0.128 χ^2/NDF : 797816.0/19

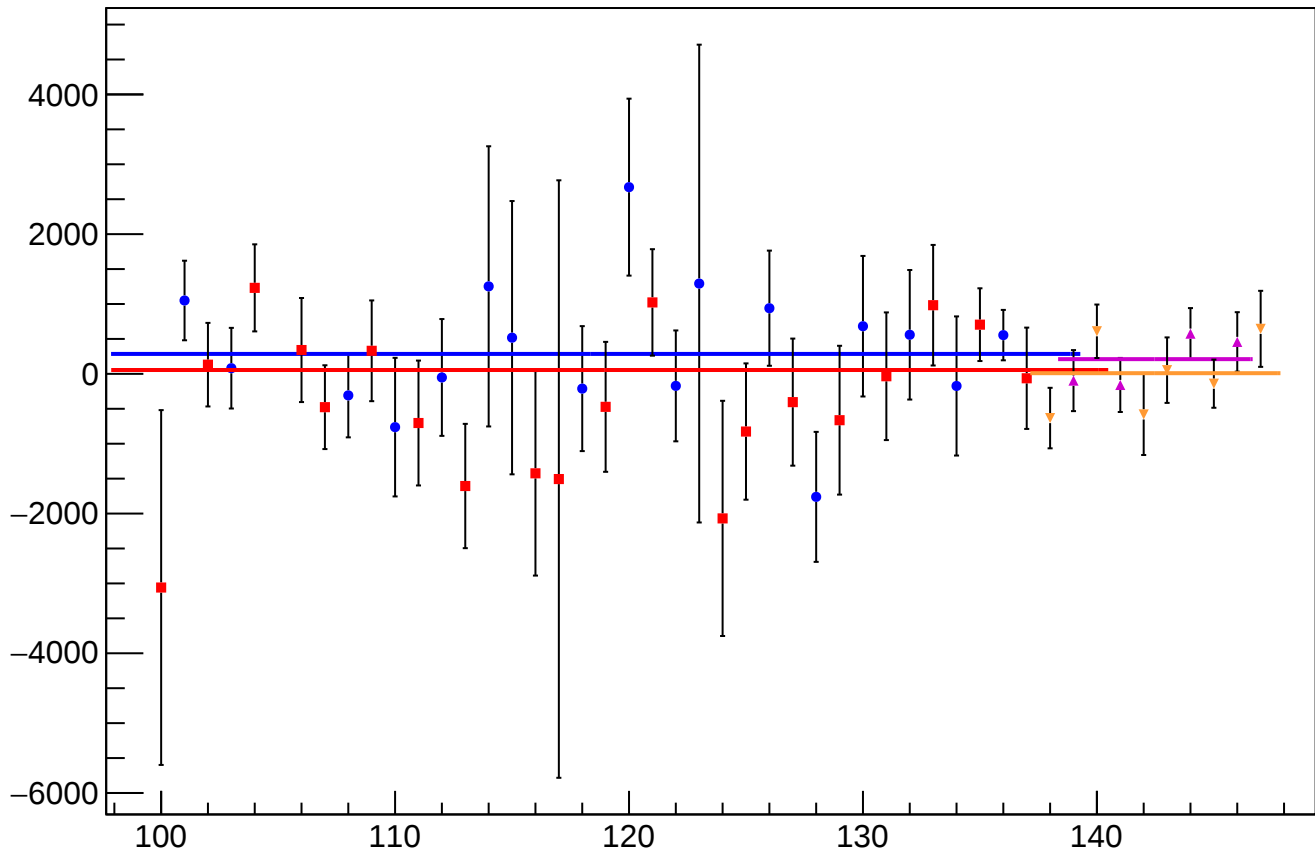
Left In: 353.619 $\pm$ 0.140 χ^2/NDF :13783.3/3

404.044 $\pm$ 0.090 χ^2/NDF : 1379132.8/22

410.477 $\pm$ 0.065 χ^2/NDF : 2587473.4/46

417.594 $\pm$ 0.095 χ^2/NDF : 1197563.9/23

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: 9.592 $\pm$ 178.271 χ^2 /NDF: 7.3/5

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

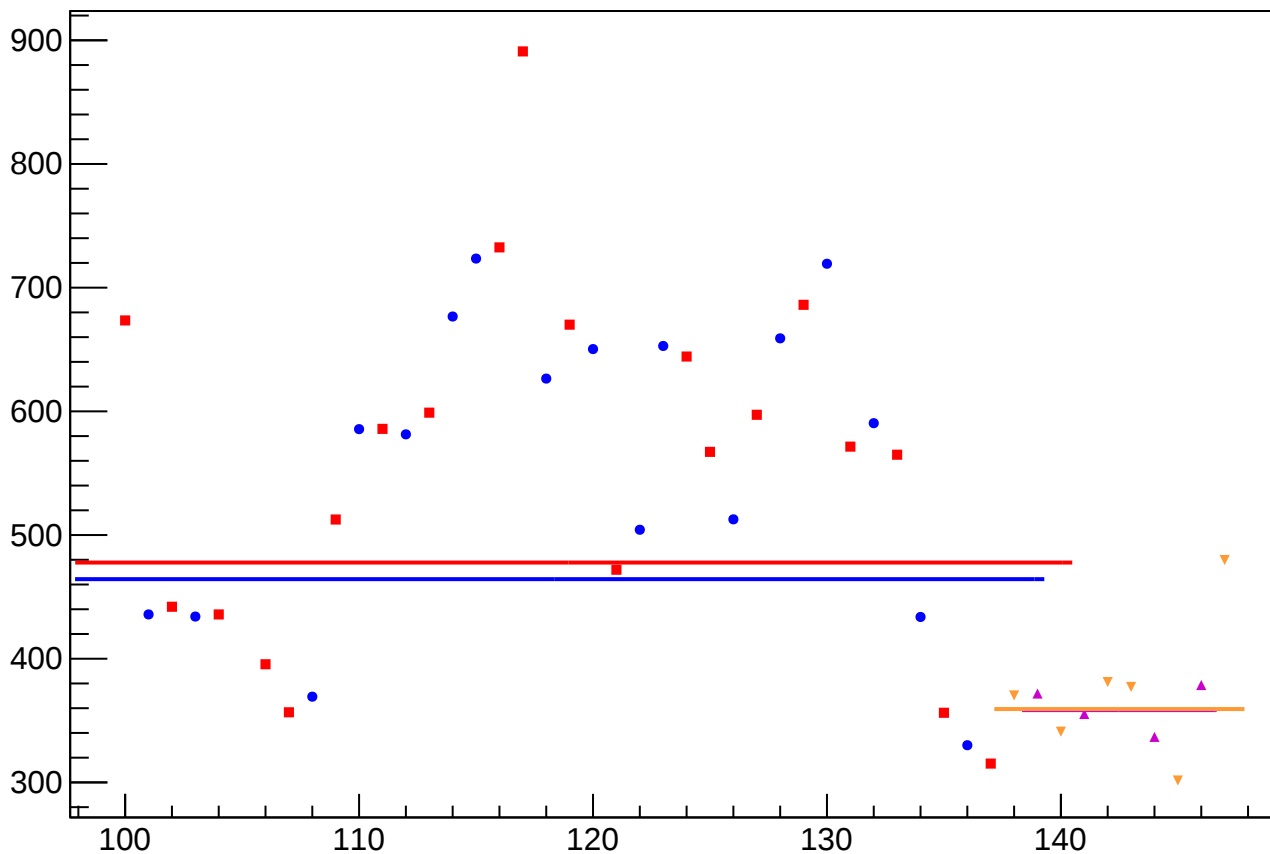
Left In: 210.642 $\pm$ 200.430 χ^2 /NDF: 2.7/3

141.429 $\pm$ 128.789 χ^2 /NDF: 23.6/22

134.201 $\pm$ 93.352 χ^2 /NDF: 46.0/46

126.200 $\pm$ 135.506 χ^2 /NDF: 22.4/23

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 359.319+/-0.126 χ^2/NDF : 165808.6/5

Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

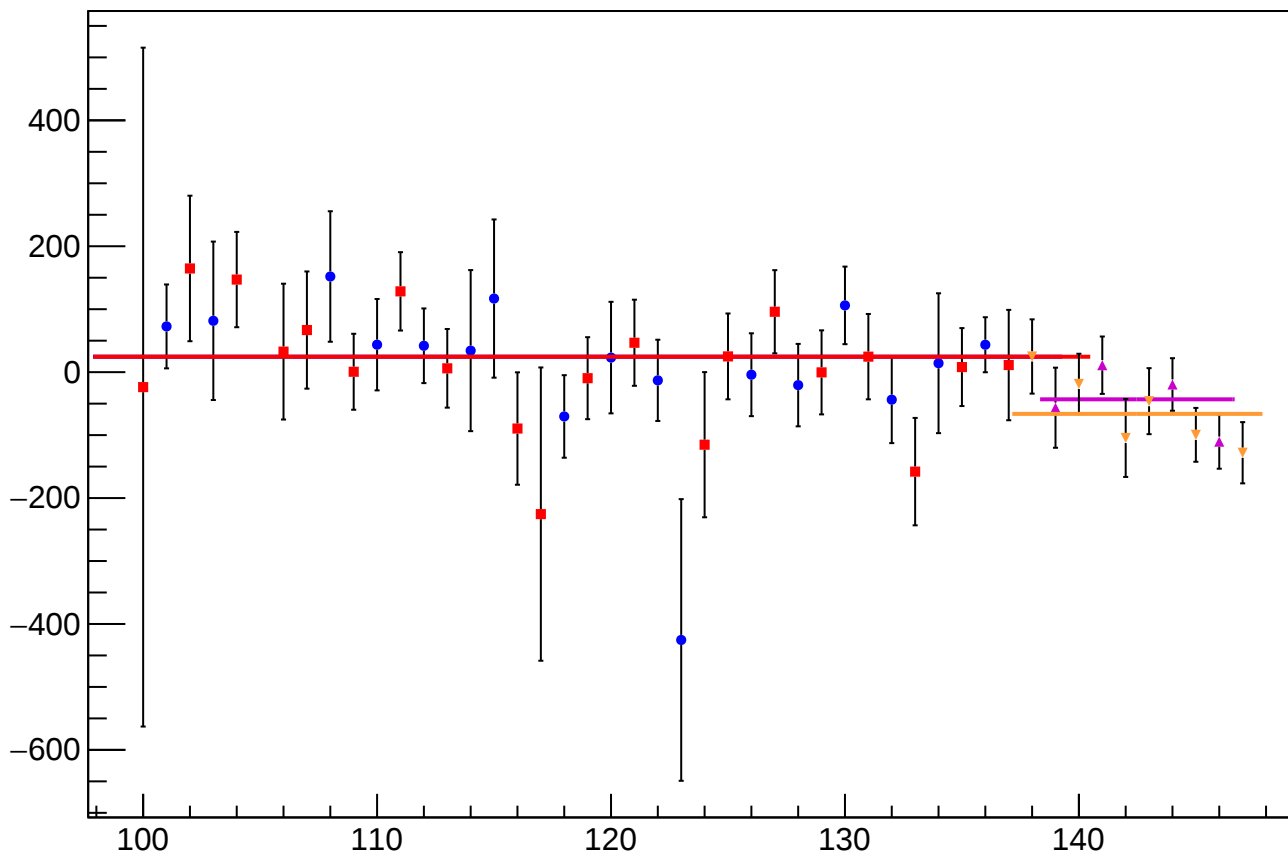
Left In: 358.459+/-0.142 χ^2/NDF : 13540.5/3

409.529+/-0.091 χ^2/NDF : 1343552.5/22

416.030+/-0.066 χ^2/NDF : 2520544.1/46

423.227+/-0.096 χ^2/NDF : 1166254.0/23

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -66.281 $\pm$ 20.775 χ^2 /NDF: 6.1/5

Right Out: 24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

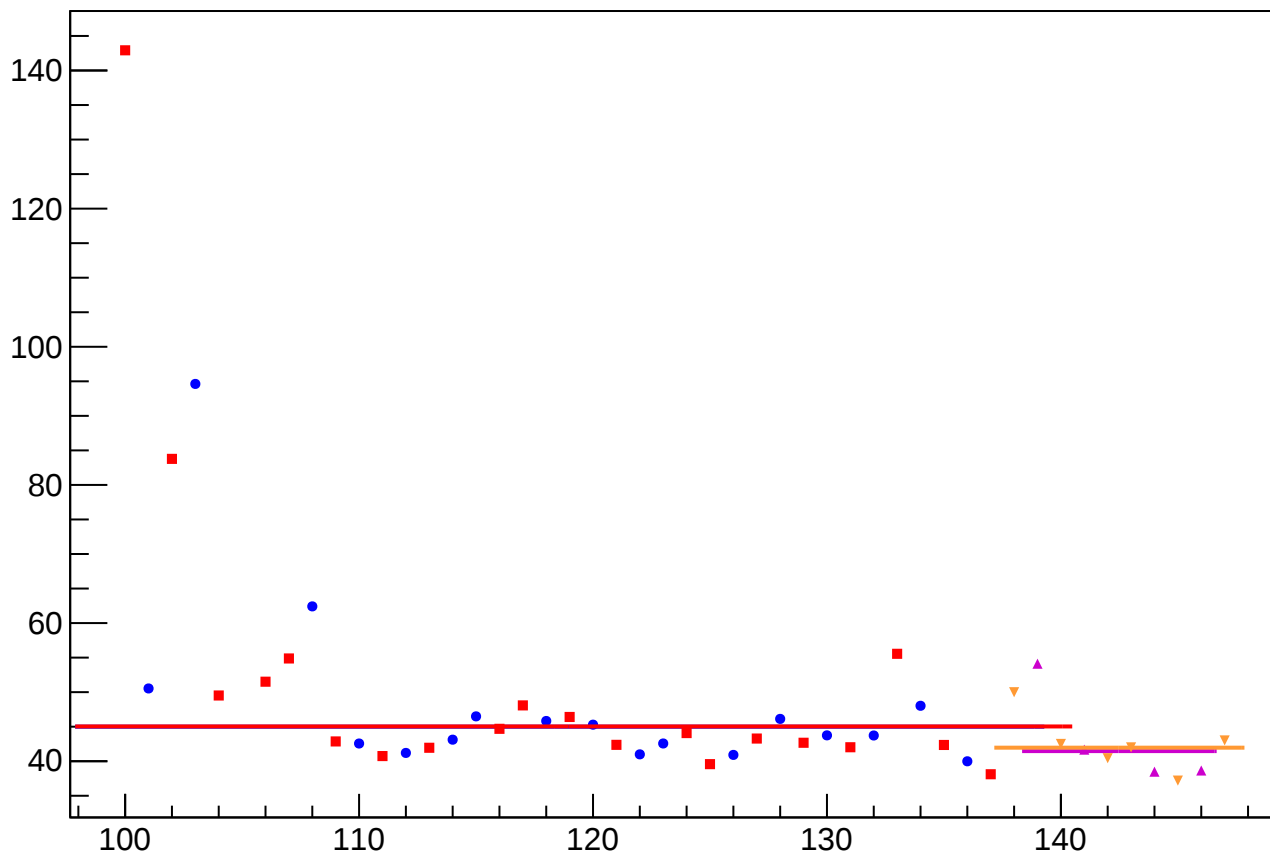
Left In: -43.160 $\pm$ 23.293 χ^2 /NDF: 4.2/3

-13.979 $\pm$ 13.534 χ^2 /NDF: 30.1/22

-6.999 $\pm$ 9.700 χ^2 /NDF: 58.3/46

0.372 $\pm$ 13.908 χ^2 /NDF: 27.6/23

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.962 $\pm$ 0.015 χ^2 /NDF: 64250.8/5

Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

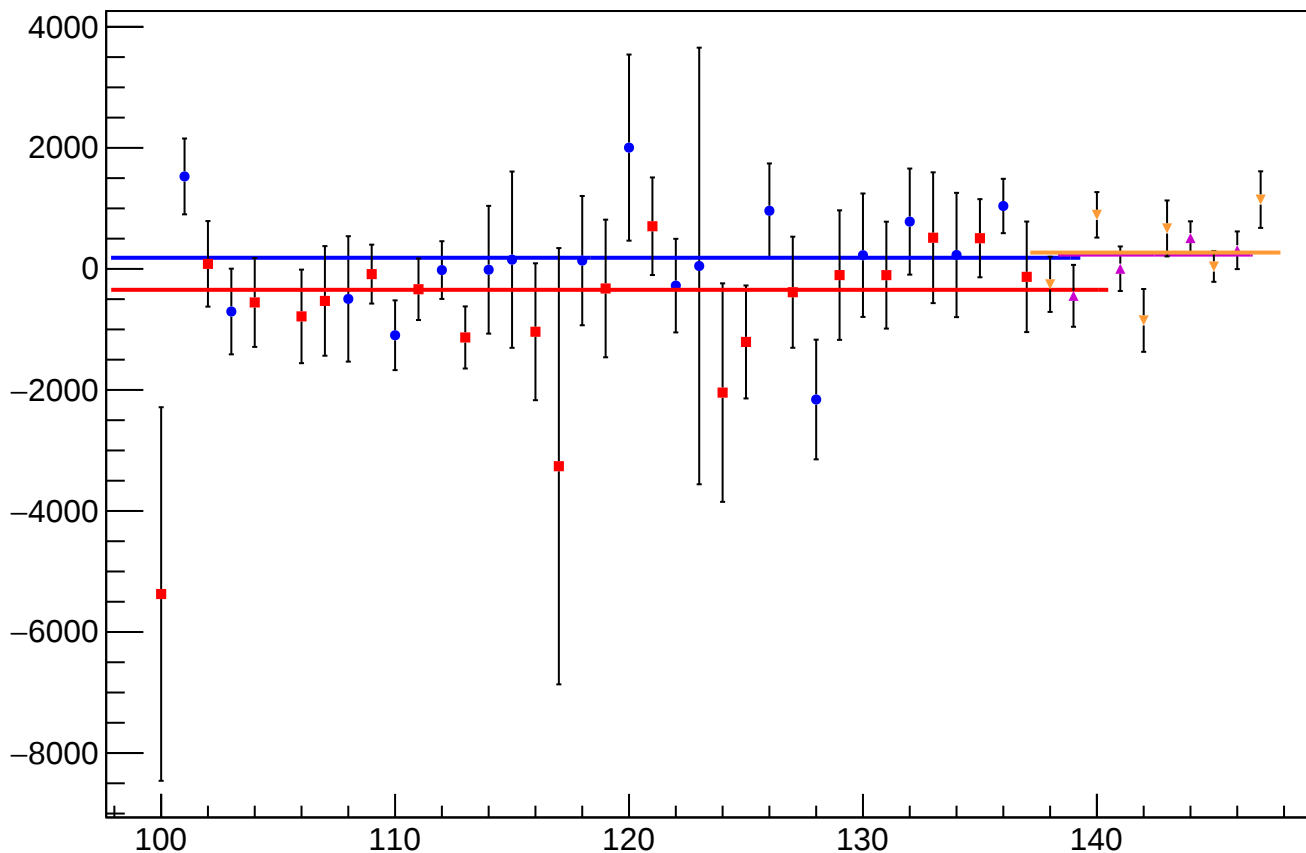
Left In: 41.466 $\pm$ 0.016 χ^2 /NDF: 97874.0/3

43.711 $\pm$ 0.010 χ^2 /NDF: 527247.4/22

43.736 $\pm$ 0.007 χ^2 /NDF: 1071189.6/46

43.762 $\pm$ 0.010 χ^2 /NDF: 543928.5/23

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 270.138 $\pm$ 157.217 χ^2 /NDF:13.8/5

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

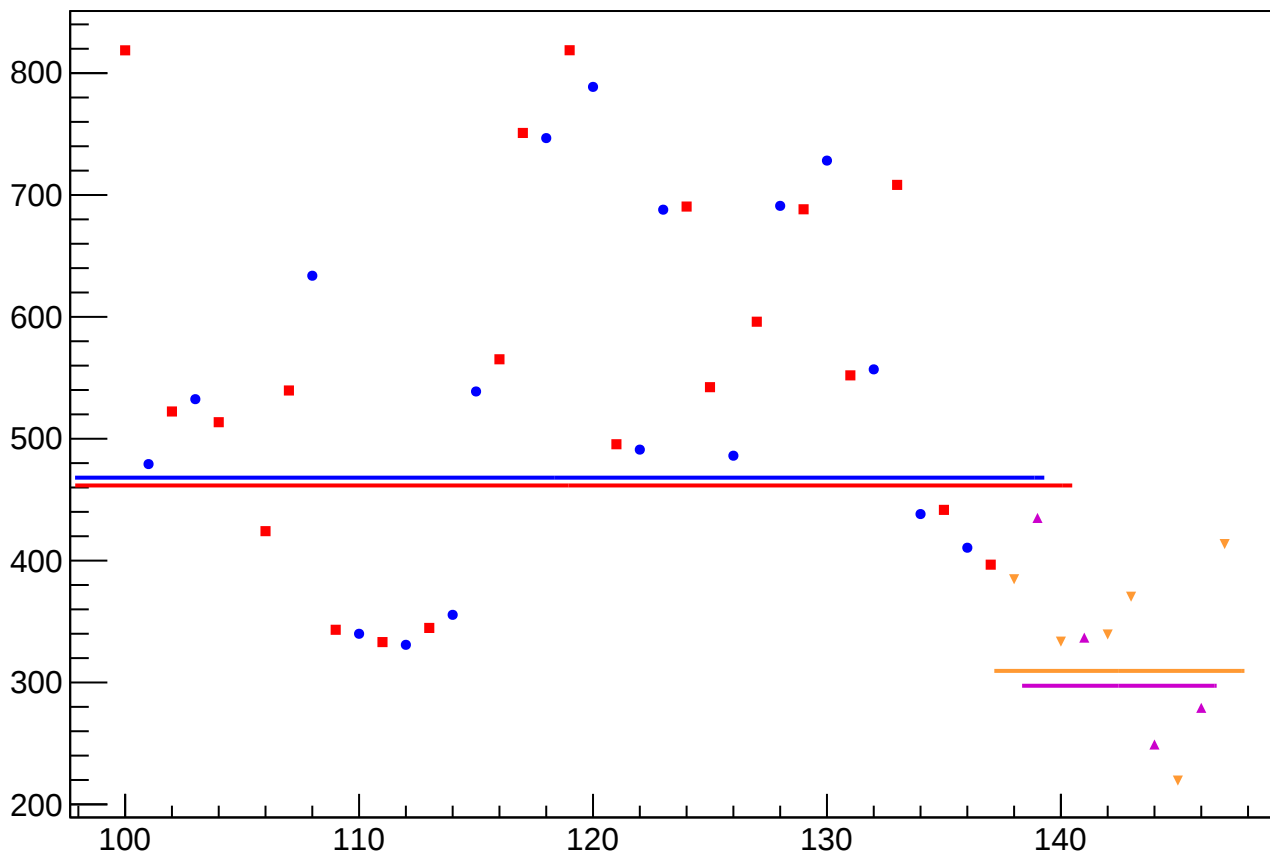
Left In: 236.271 $\pm$ 169.997 χ^2 /NDF:3.2/3

234.888 $\pm$ 120.751 χ^2 /NDF: 38.2/22

100.638 $\pm$ 86.277 χ^2 /NDF: 62.6/46

-39.381 $\pm$ 123.318 χ^2 /NDF: 21.9/23

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 309.511+/-0.111 χ^2/NDF : 455654.7/5

Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

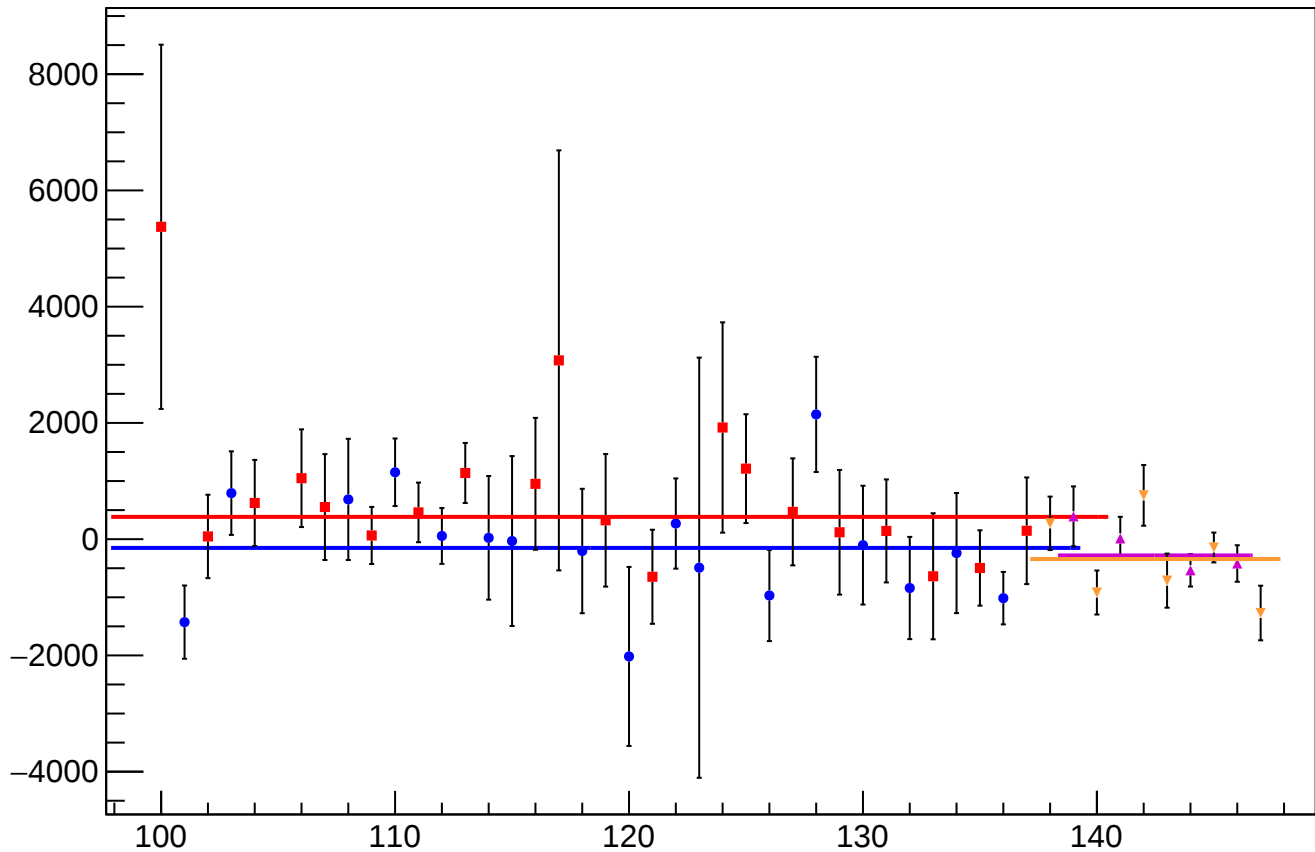
Left In: 297.318+/-0.120 χ^2/NDF : 235584.3/3

374.537+/-0.085 χ^2/NDF : 2170248.2/22

374.850+/-0.061 χ^2/NDF : 4259313.1/46

375.177+/-0.087 χ^2/NDF : 2089037.3/23

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -341.883+/-158.791 χ^2/NDF : 13.6/5

Right Out: 383.331+/-181.030 χ^2/NDF : 13.0/19

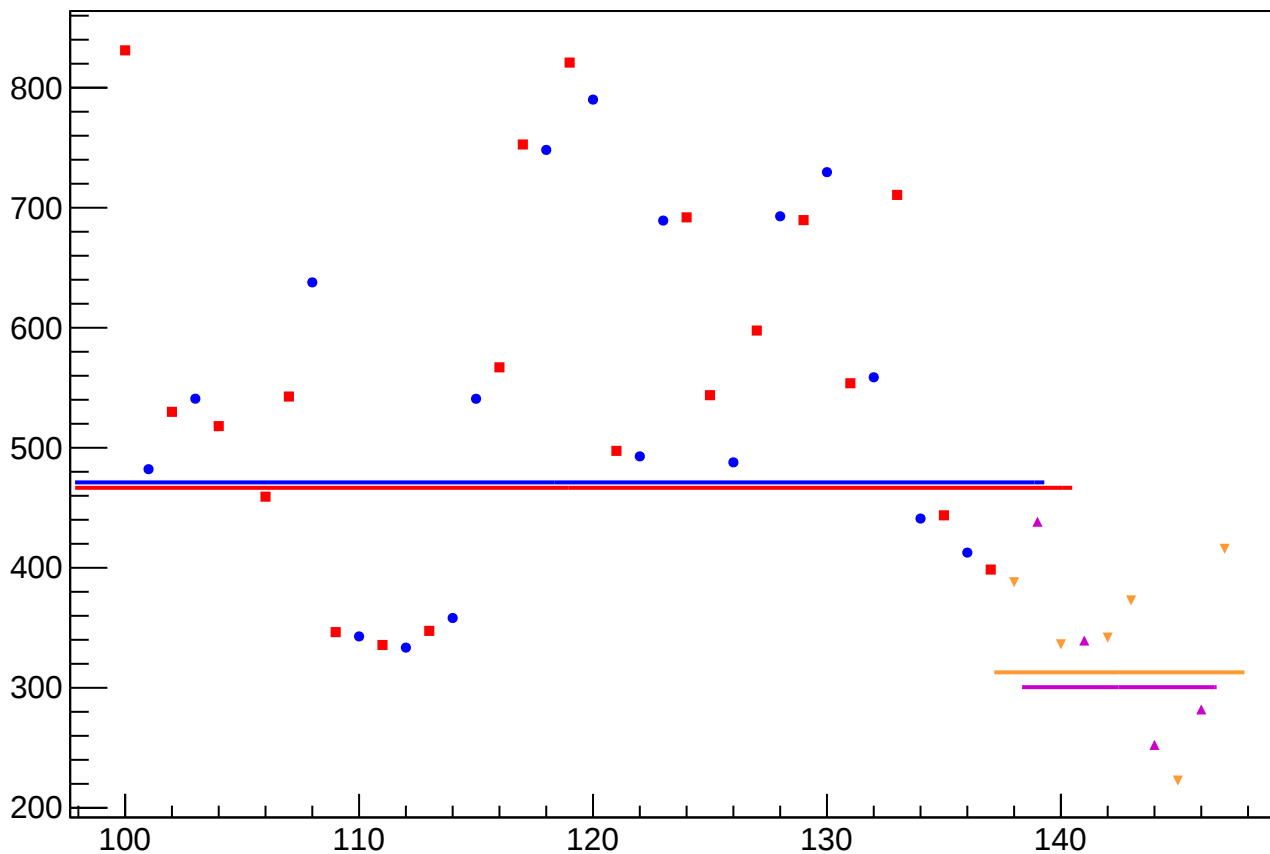
Left In: -279.942+/-171.737 χ^2/NDF : 3.4/3

-262.967+/-121.771 χ^2/NDF : 38.4/22

-117.770+/-87.085 χ^2/NDF : 64.7/46

34.234+/-124.592 χ^2/NDF : 23.4/23

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156 $\pm$ 0.134 χ^2/NDF : 871832.5/16

Left Out: 312.888 $\pm$ 0.112 χ^2/NDF : 442619.1/5

Right Out: 466.655 $\pm$ 0.128 χ^2/NDF : 953088.6/19

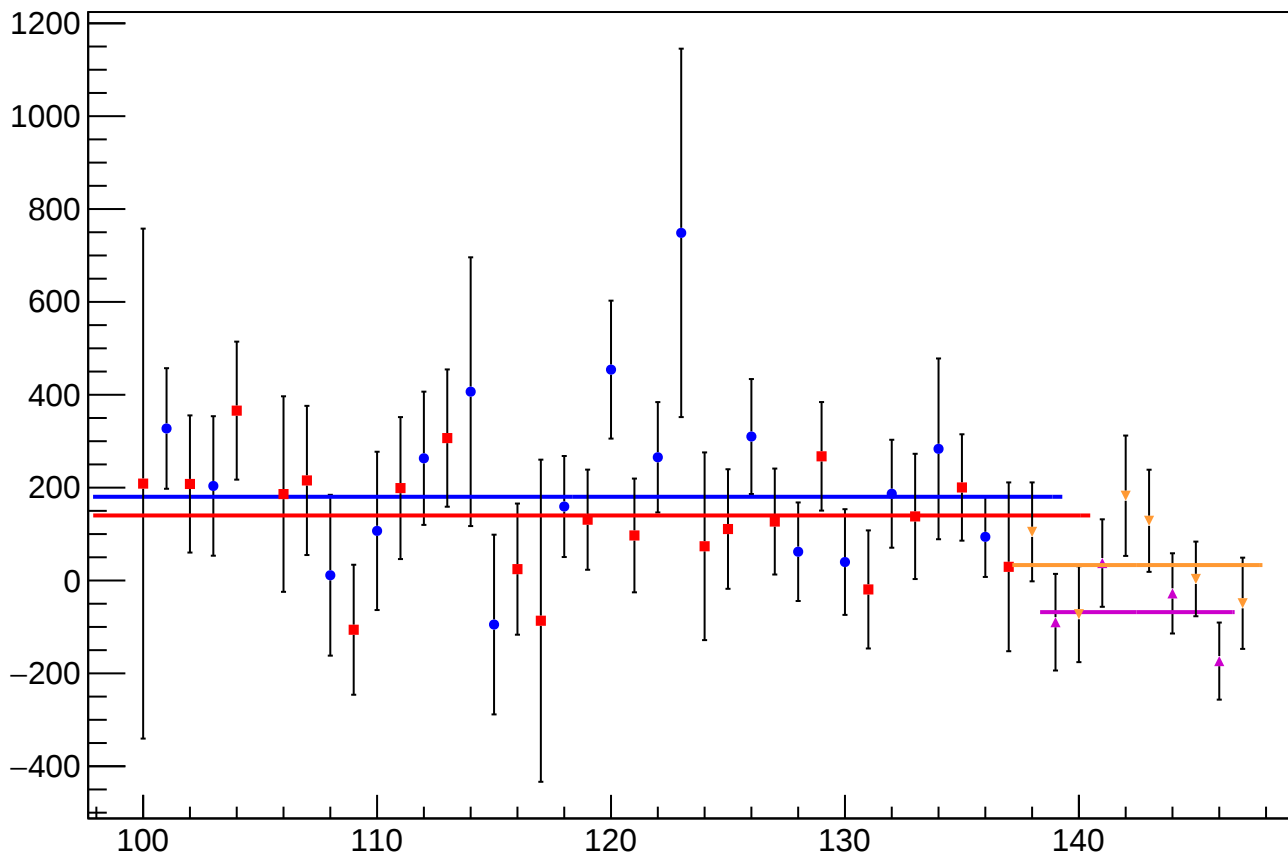
Left In: 300.544 $\pm$ 0.121 χ^2/NDF : 230984.0/3

378.082 $\pm$ 0.086 χ^2/NDF : 2132886.3/22

378.641 $\pm$ 0.062 χ^2/NDF : 4203345.5/46

379.227 $\pm$ 0.088 χ^2/NDF : 2070372.9/23

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: 33.262 $\pm$ 41.432 χ^2 /NDF: 4.4/5

Right Out: 140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

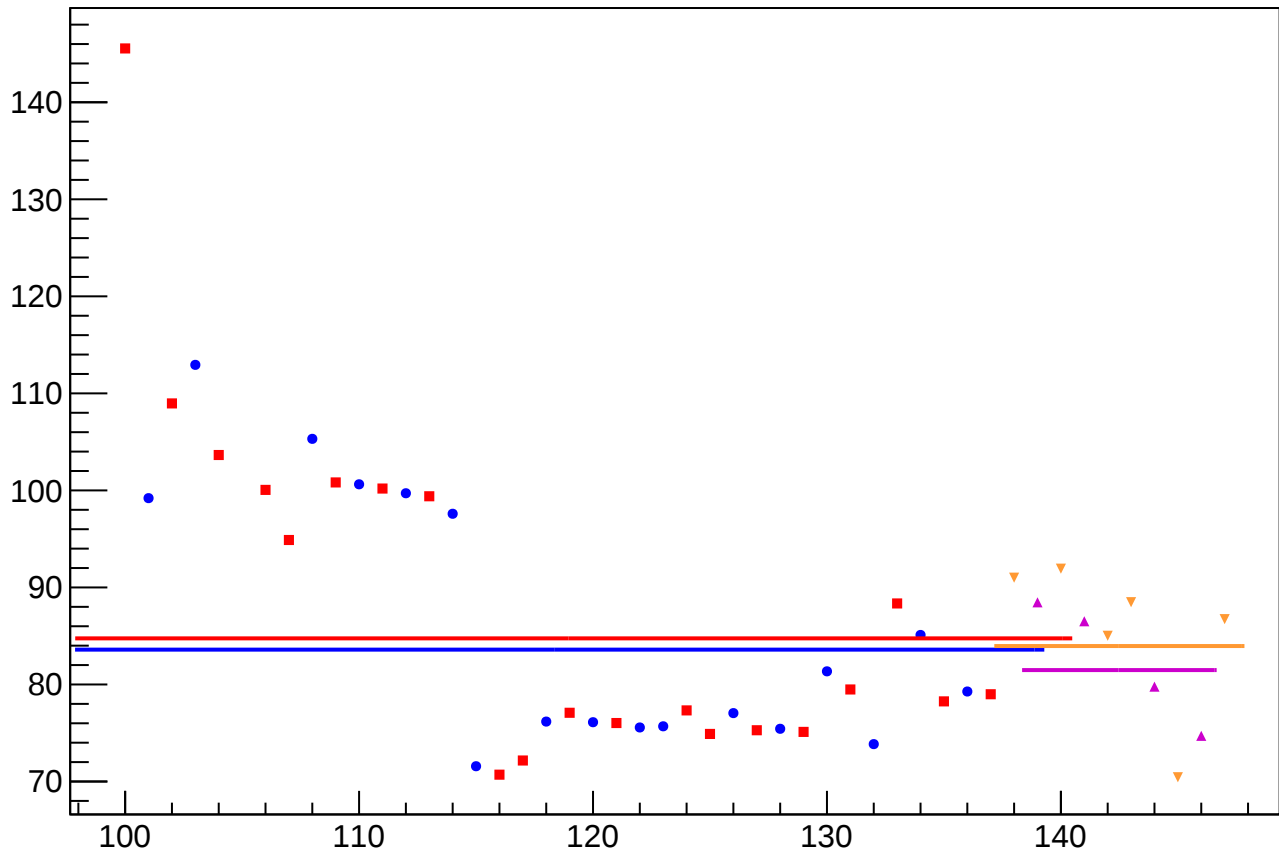
Left In: -68.088 $\pm$ 45.447 χ^2 /NDF: 3.1/3

123.732 $\pm$ 25.702 χ^2 /NDF: 28.7/22

97.703 $\pm$ 18.372 χ^2 /NDF: 60.0/46

70.505 $\pm$ 26.273 χ^2 /NDF: 29.2/23

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 83.961+/-0.029 χ^2/NDF : 82384.3/5

Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

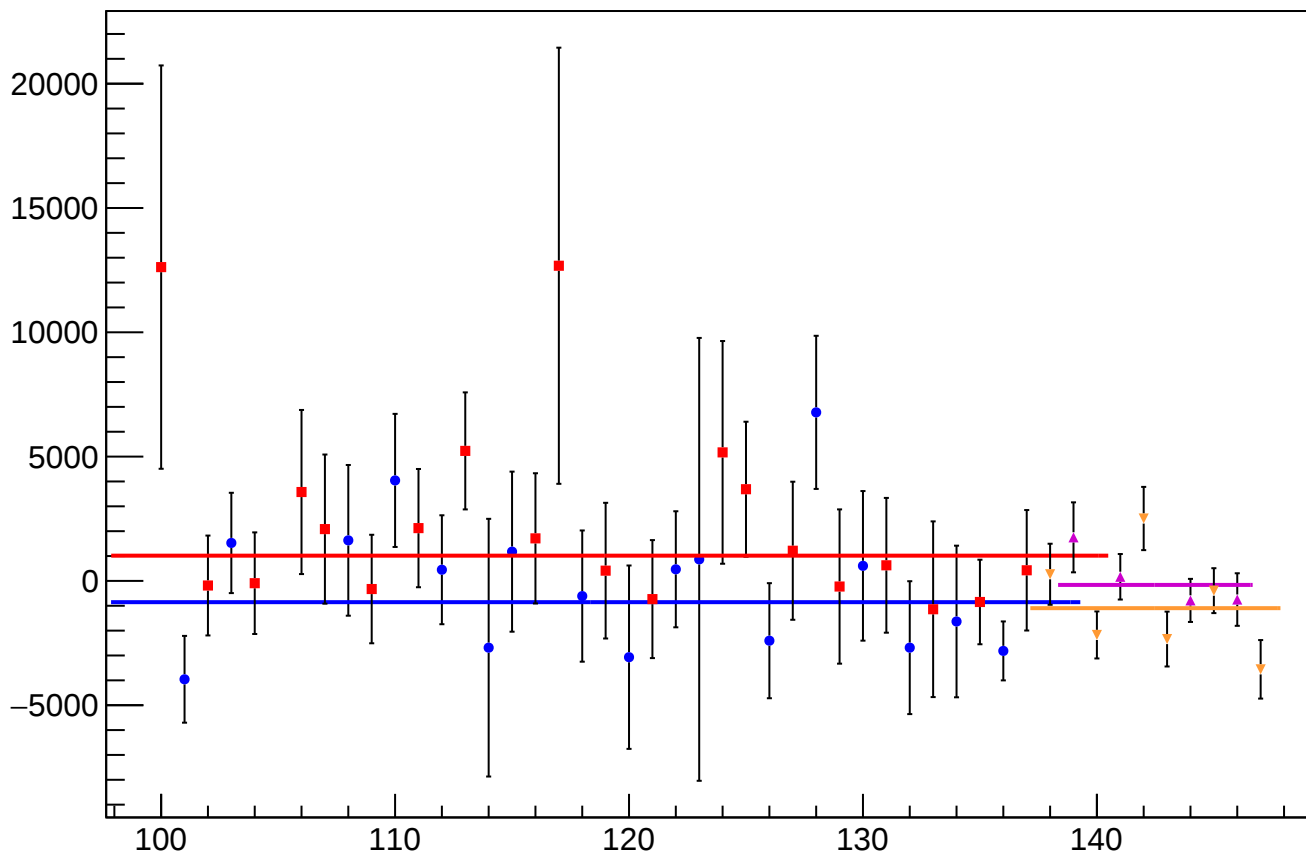
Left In: 81.483+/-0.032 χ^2/NDF : 28814.7/3

83.733+/-0.018 χ^2/NDF : 338404.1/22

83.697+/-0.013 χ^2/NDF : 667377.0/46

83.659+/-0.019 χ^2/NDF : 328964.9/23

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -1096.263+/-439.935 χ^2/NDF : 16.8/5

Right Out: 1015.523+/-587.747 χ^2/NDF : 13.3/19

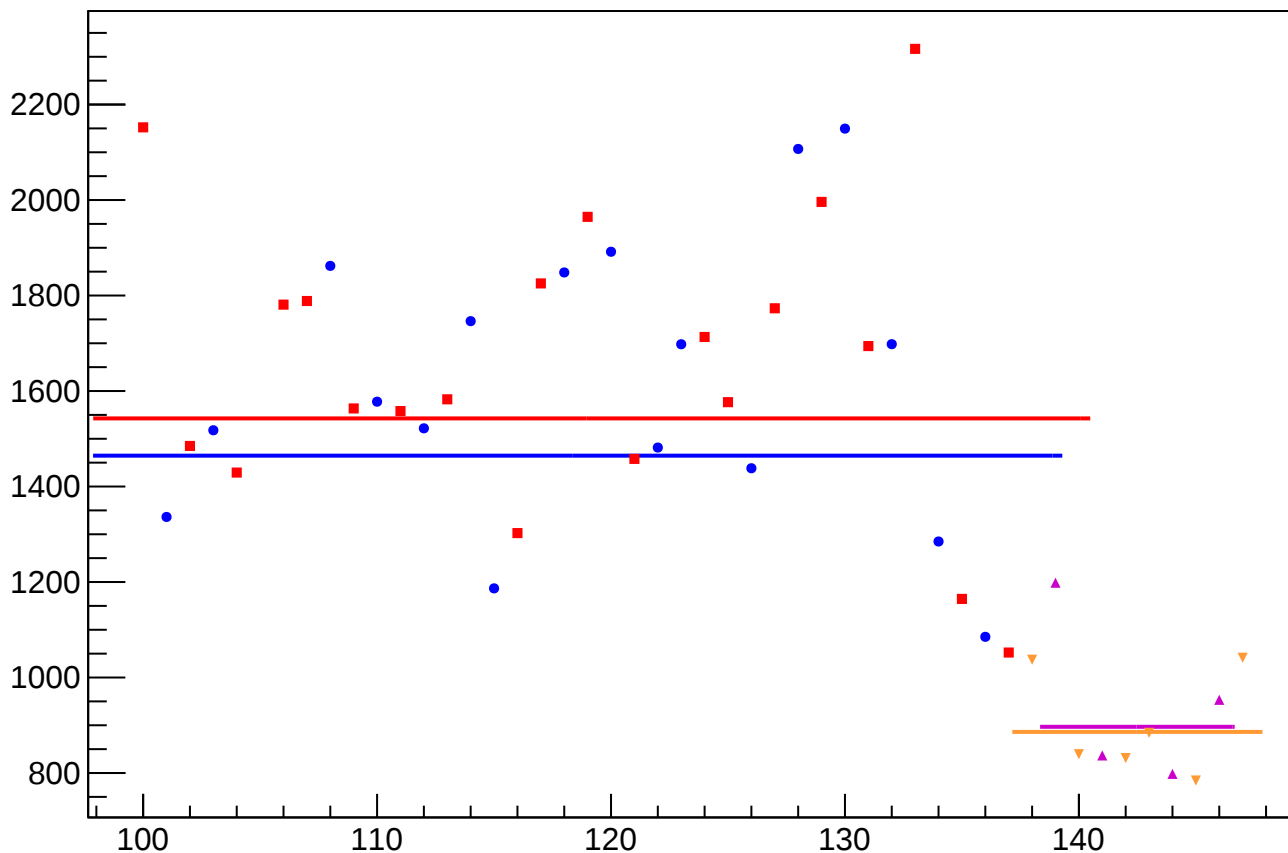
Left In: -161.460+/-504.759 χ^2/NDF : 2.8/3

-1008.894+/-351.233 χ^2/NDF : 37.2/22

-393.421+/-258.840 χ^2/NDF : 62.3/46

338.139+/-382.927 χ^2/NDF : 18.4/23

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2/NDF : 560863.4/16

Left Out: 886.092 $\pm$ 0.311 χ^2/NDF : 99095.9/5

Right Out: 1542.663 $\pm$ 0.416 χ^2/NDF : 455797.2/19

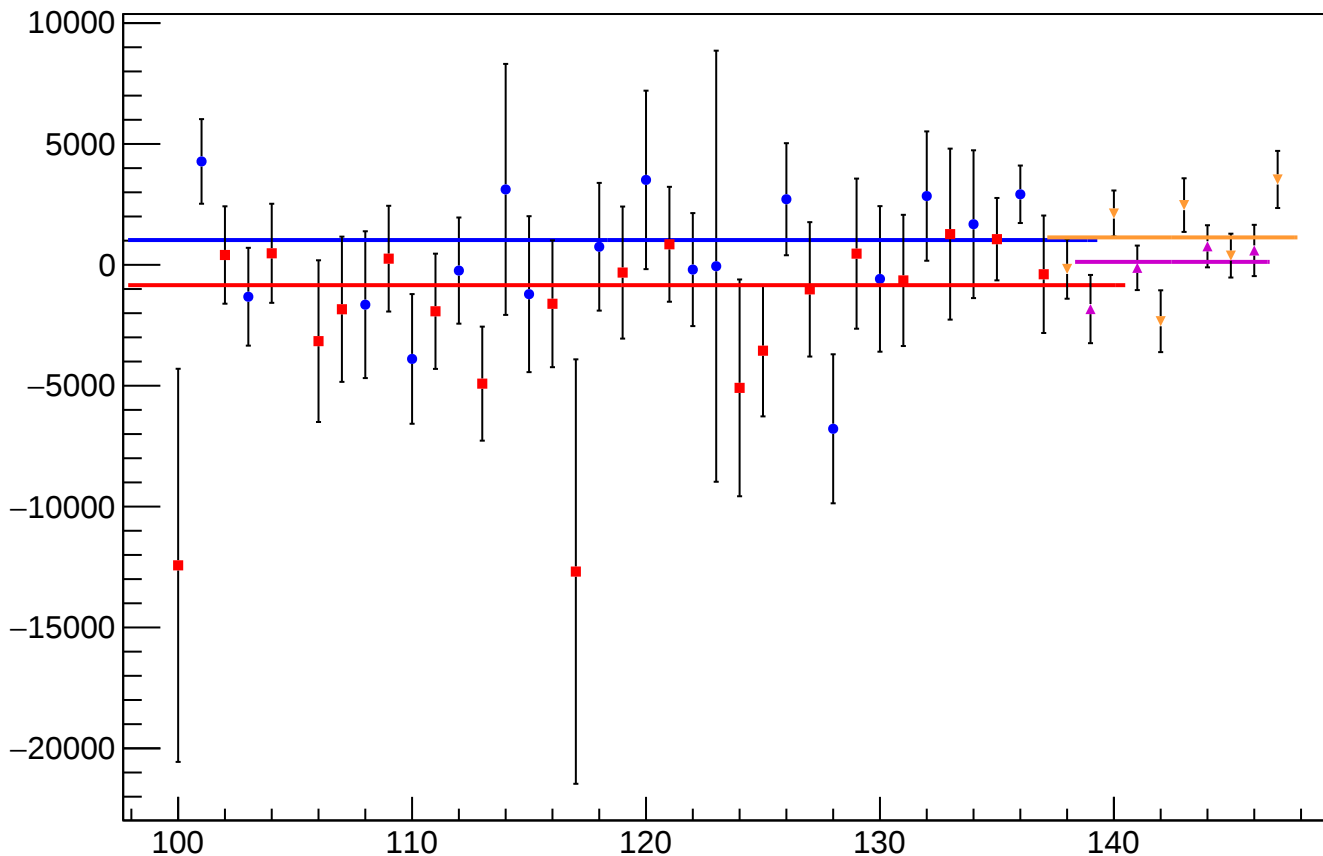
Left In: 896.796 $\pm$ 0.357 χ^2/NDF : 132147.7/3

1095.869 $\pm$ 0.248 χ^2/NDF : 1914105.0/22

1130.175 $\pm$ 0.183 χ^2/NDF : 3933757.5/46

1170.950 $\pm$ 0.271 χ^2/NDF : 1977895.8/23

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1134.727 $\pm$ 442.042 χ^2 /NDF: 15.8/5

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

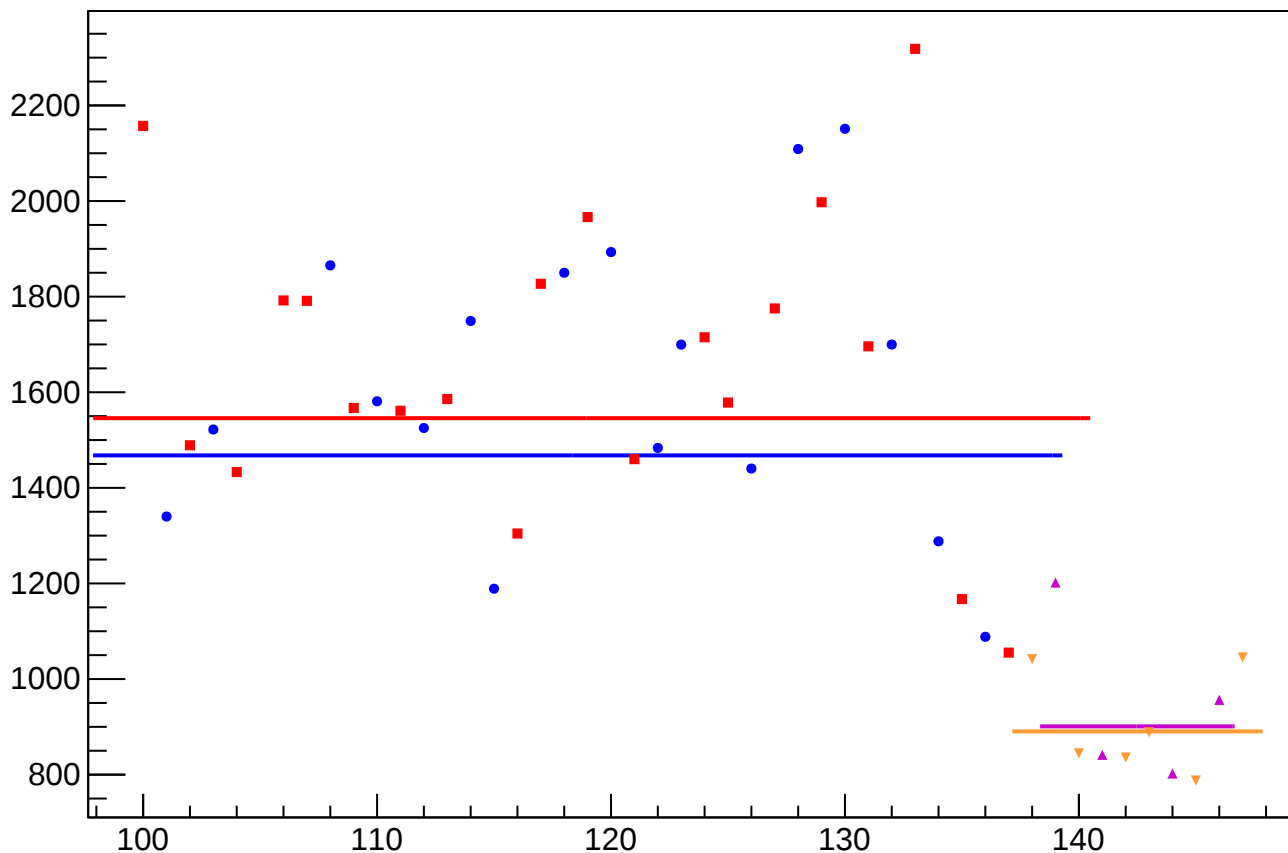
Left In: 122.490 $\pm$ 507.027 χ^2 /NDF: 2.7/3

1094.995 $\pm$ 352.569 χ^2 /NDF: 36.8/22

463.191 $\pm$ 259.792 χ^2 /NDF: 61.1/46

-287.373 $\pm$ 384.279 χ^2 /NDF: 17.3/23

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905 $\pm$ 0.413 χ^2/NDF : 557458.9/16

Left Out: 890.463 $\pm$ 0.313 χ^2/NDF : 98264.9/5

Right Out: 1545.785 $\pm$ 0.417 χ^2/NDF : 453865.6/19

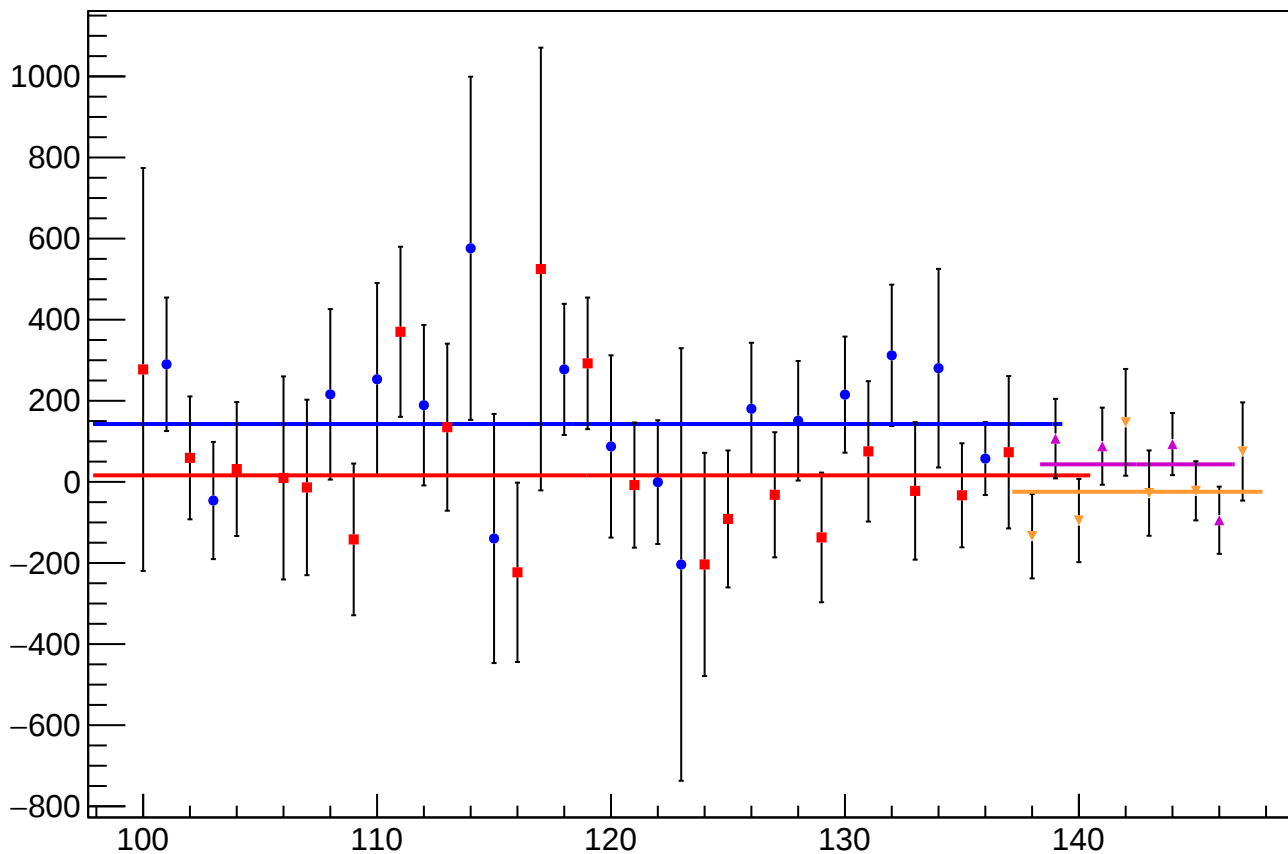
Left In: 900.994 $\pm$ 0.359 χ^2/NDF : 130408.5/3

1100.564 $\pm$ 0.249 χ^2/NDF : 1897489.2/22

1134.768 $\pm$ 0.184 χ^2/NDF : 3899475.1/46

1175.402 $\pm$ 0.272 χ^2/NDF : 1960800.4/23

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -24.371 $\pm$ 41.136 χ^2 /NDF: 3.9/5

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

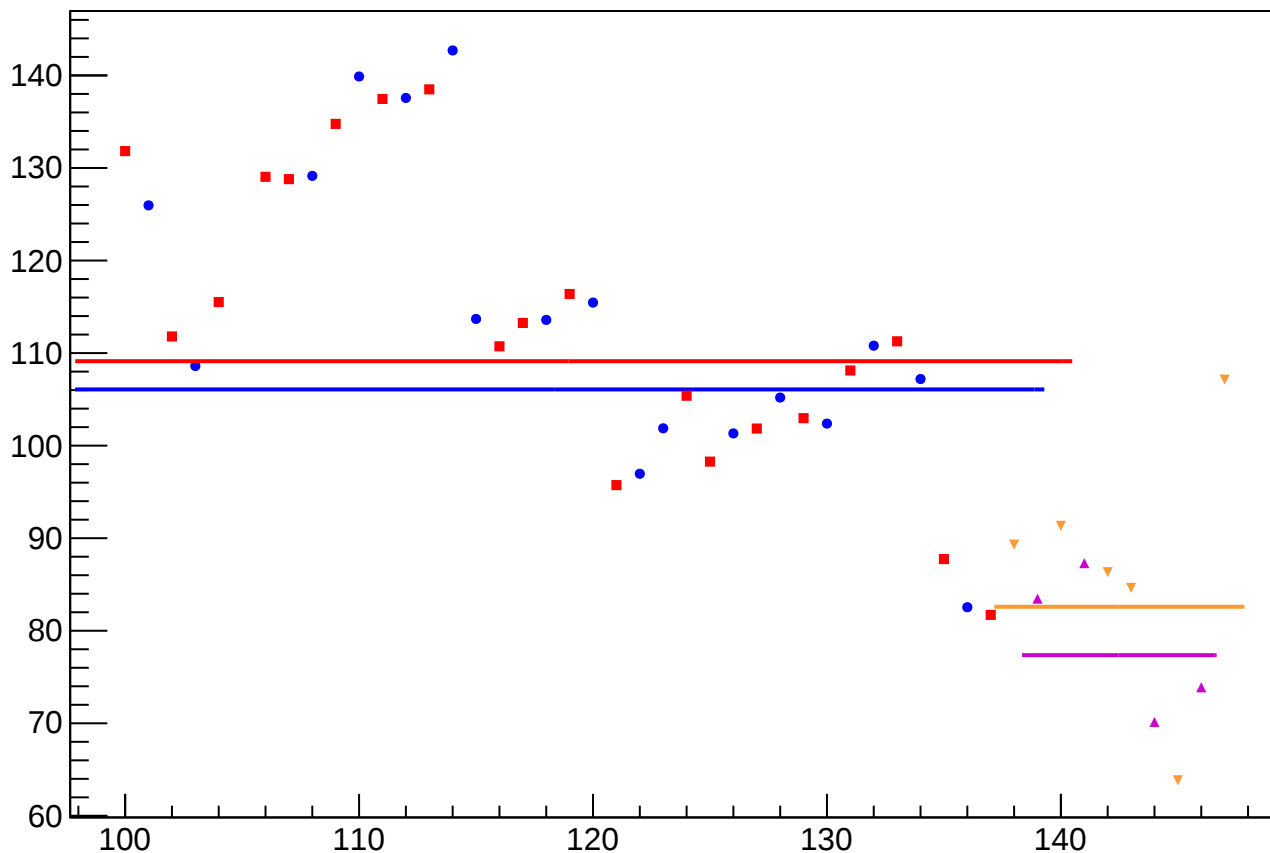
Left In: 43.281 $\pm$ 43.419 χ^2 /NDF: 3.8/3

58.169 $\pm$ 29.259 χ^2 /NDF: 21.4/22

43.911 $\pm$ 20.918 χ^2 /NDF: 37.6/46

29.005 $\pm$ 29.916 χ^2 /NDF: 15.7/23

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 82.591 $\pm$ 0.029 χ^2 /NDF: 239322.7/5

Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

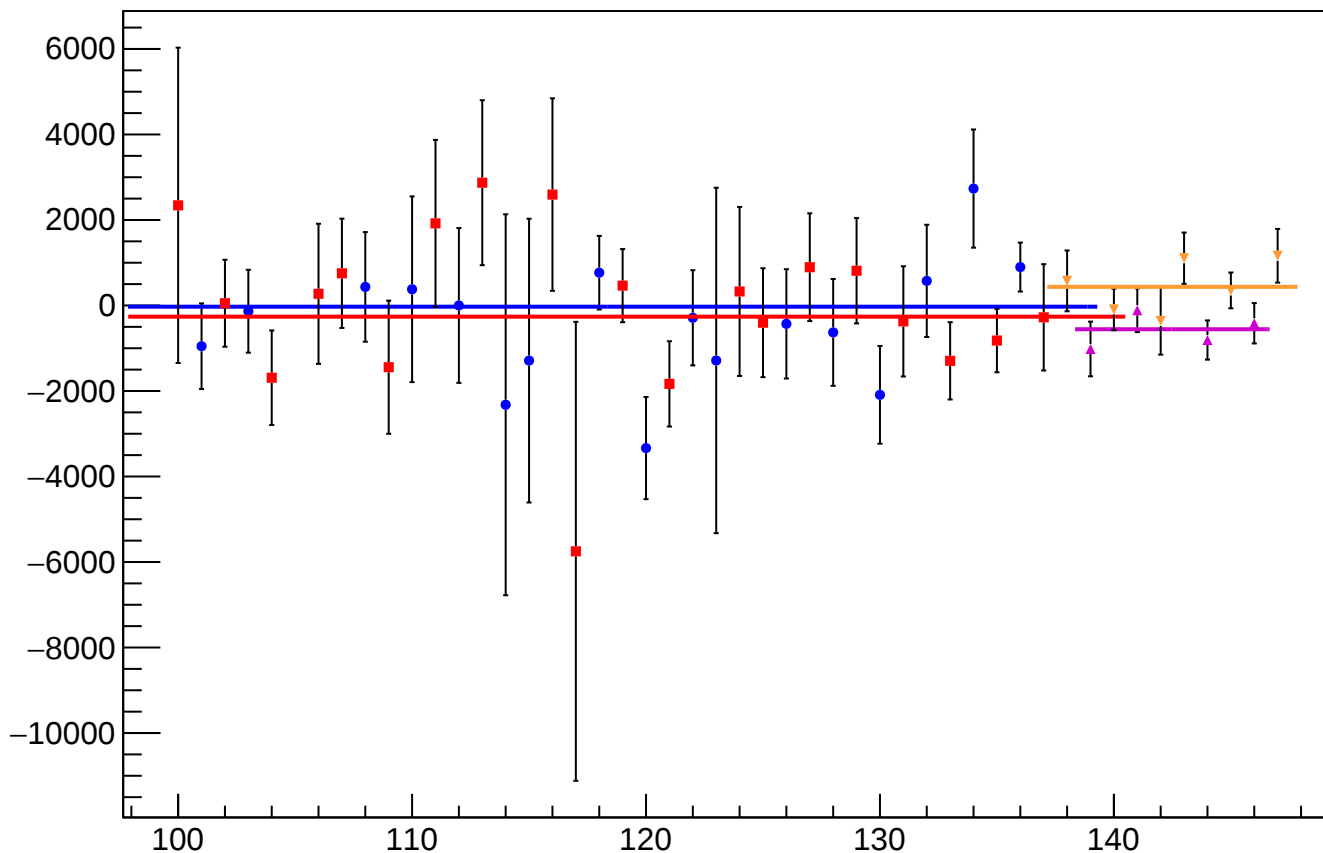
Left In: 77.364 $\pm$ 0.031 χ^2 /NDF: 50847.4/3

94.194 $\pm$ 0.021 χ^2 /NDF: 879237.2/22

94.122 $\pm$ 0.015 χ^2 /NDF: 1777727.6/46

94.047 $\pm$ 0.021 χ^2 /NDF: 898465.6/23

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 435.769 ± 230.451 χ^2/NDF : 4.9/5

Right Out: -261.265 ± 279.073 χ^2/NDF : 16.9/19

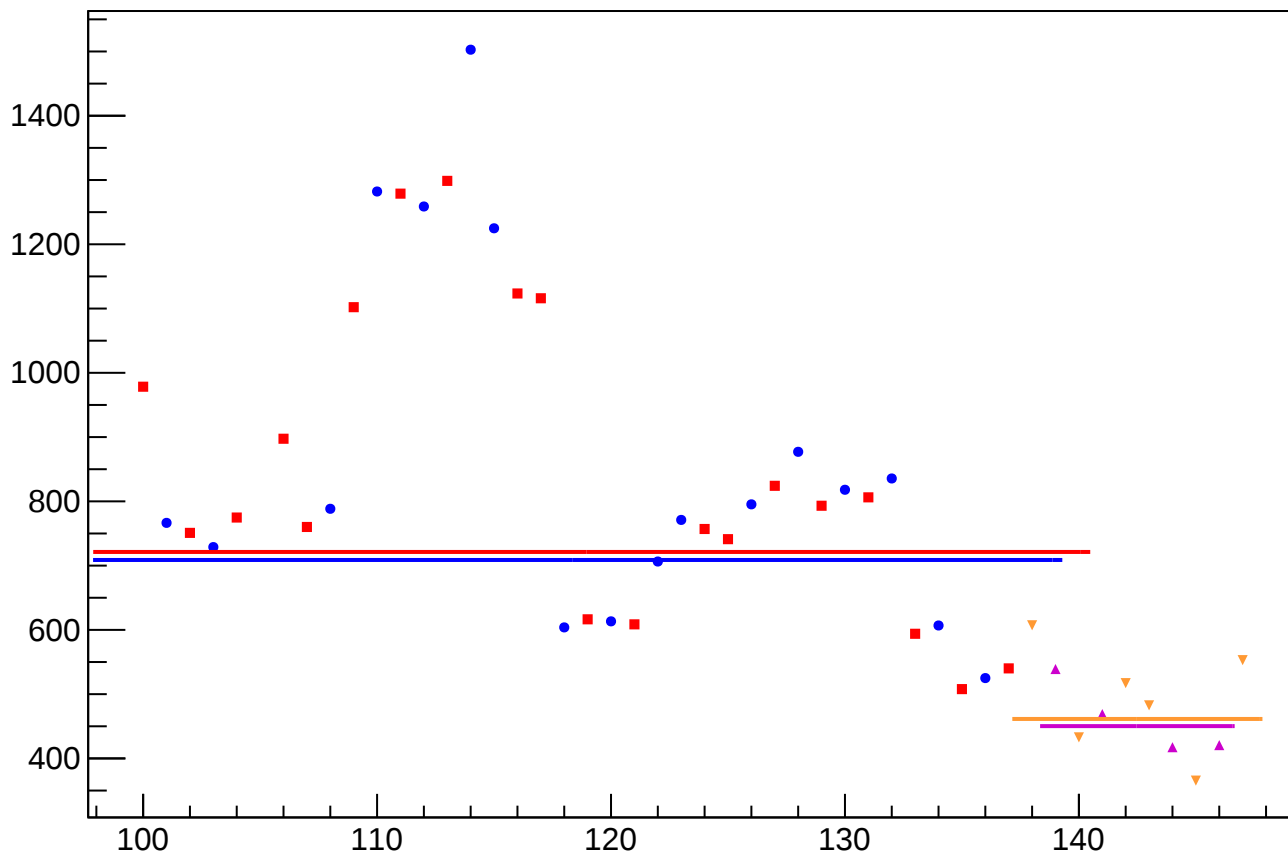
Left In: -555.404 ± 253.771 χ^2/NDF : 1.7/3

251.451 ± 178.884 χ^2/NDF : 27.0/22

-69.122 ± 129.512 χ^2/NDF : 52.9/46

-422.270 ± 187.753 χ^2/NDF : 19.2/23

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2/NDF : 793538.1/16

Left Out: 461.411 $\pm$ 0.163 χ^2/NDF : 250953.7/5

Right Out: 721.271 $\pm$ 0.197 χ^2/NDF : 910781.0/19

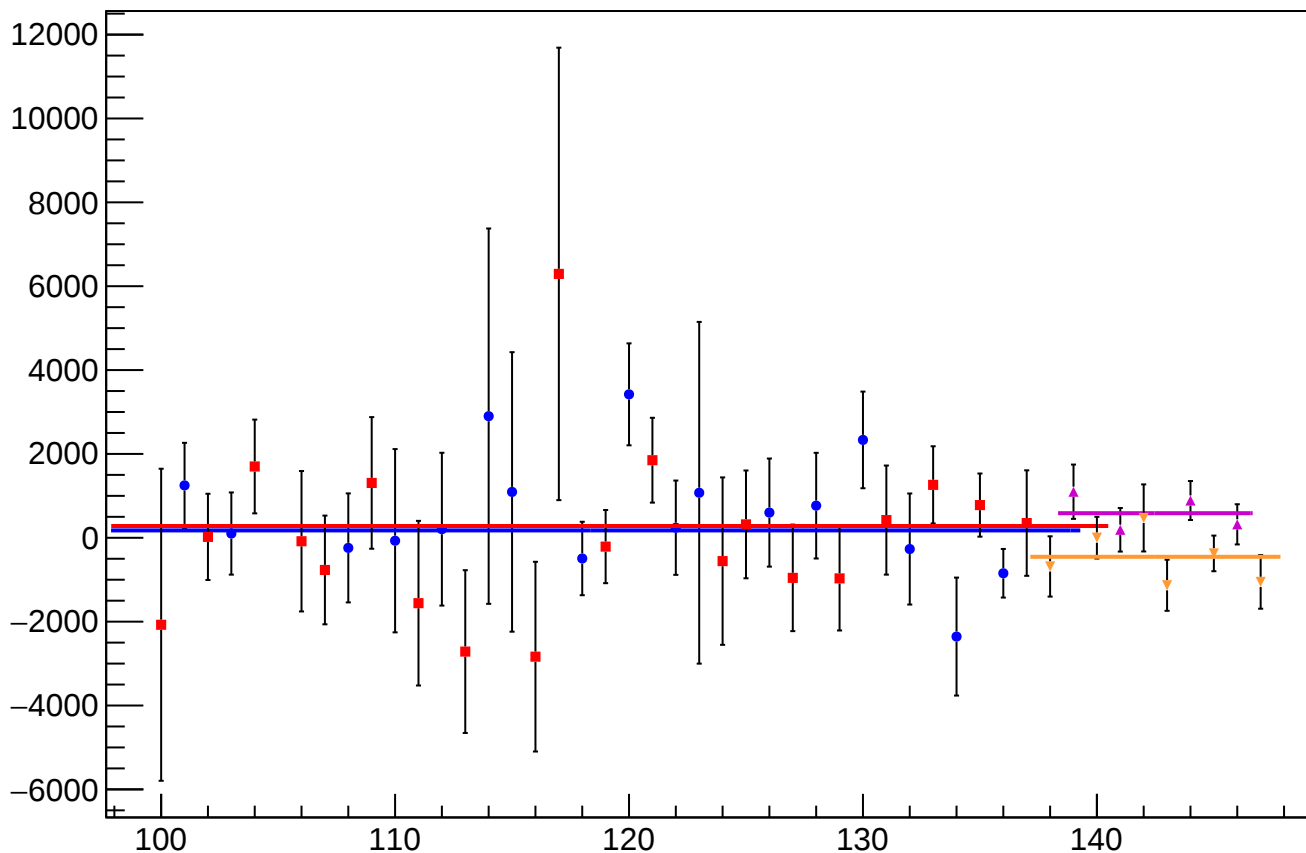
Left In: 450.264 $\pm$ 0.179 χ^2/NDF : 59372.4/3

559.733 $\pm$ 0.126 χ^2/NDF : 1960446.2/22

566.011 $\pm$ 0.092 χ^2/NDF : 3968164.7/46

572.928 $\pm$ 0.133 χ^2/NDF : 2002540.4/23

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -453.151 $\pm$ 234.343 χ^2 /NDF: 4.4/5

Right Out: 281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

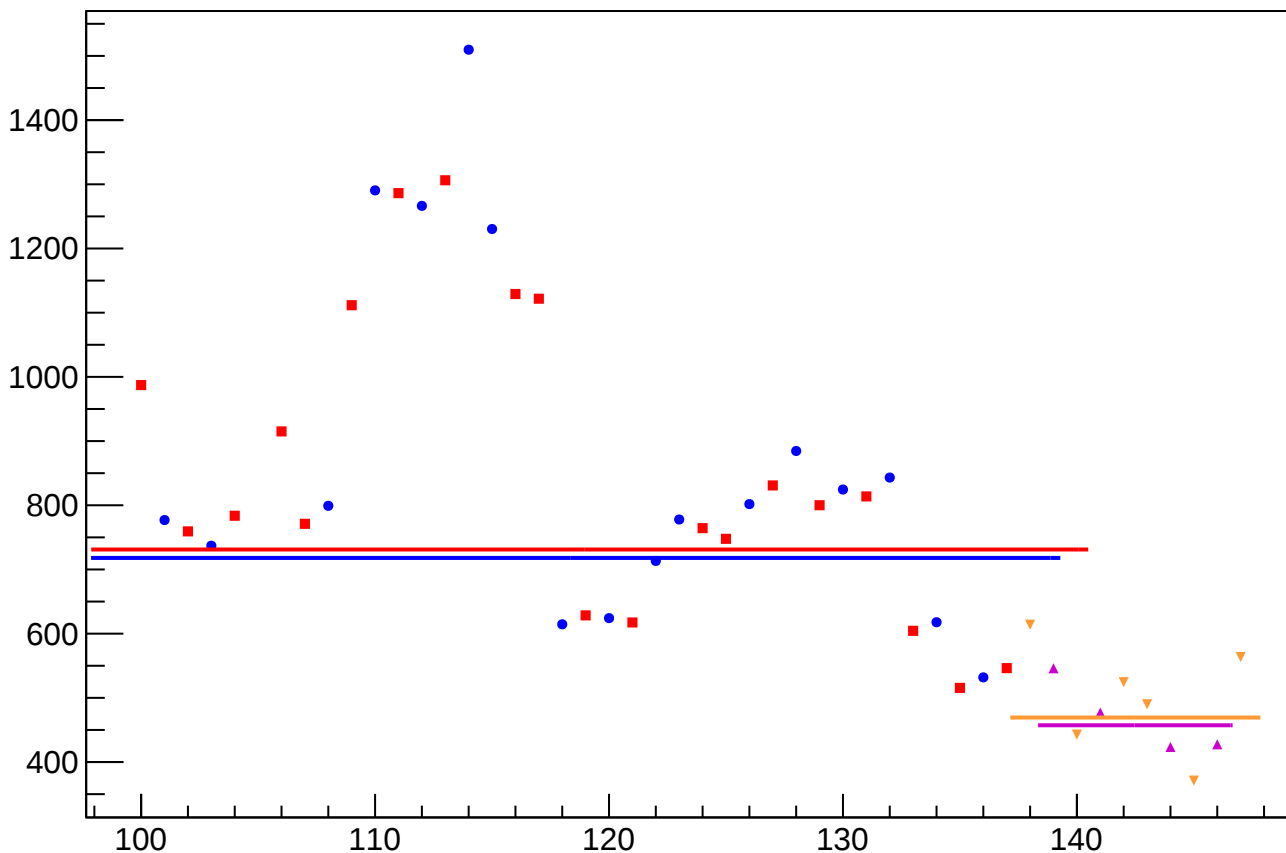
Left In: 586.565 $\pm$ 257.663 χ^2 /NDF: 1.9/3

-201.768 $\pm$ 181.574 χ^2 /NDF: 27.1/22

107.650 $\pm$ 131.411 χ^2 /NDF: 51.8/46

447.981 $\pm$ 190.428 χ^2 /NDF: 18.6/23

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2/NDF : 778580.1/16

Left Out: 469.338 $\pm$ 0.166 χ^2/NDF : 248807.9/5

Right Out: 731.116 $\pm$ 0.200 χ^2/NDF : 892357.6/19

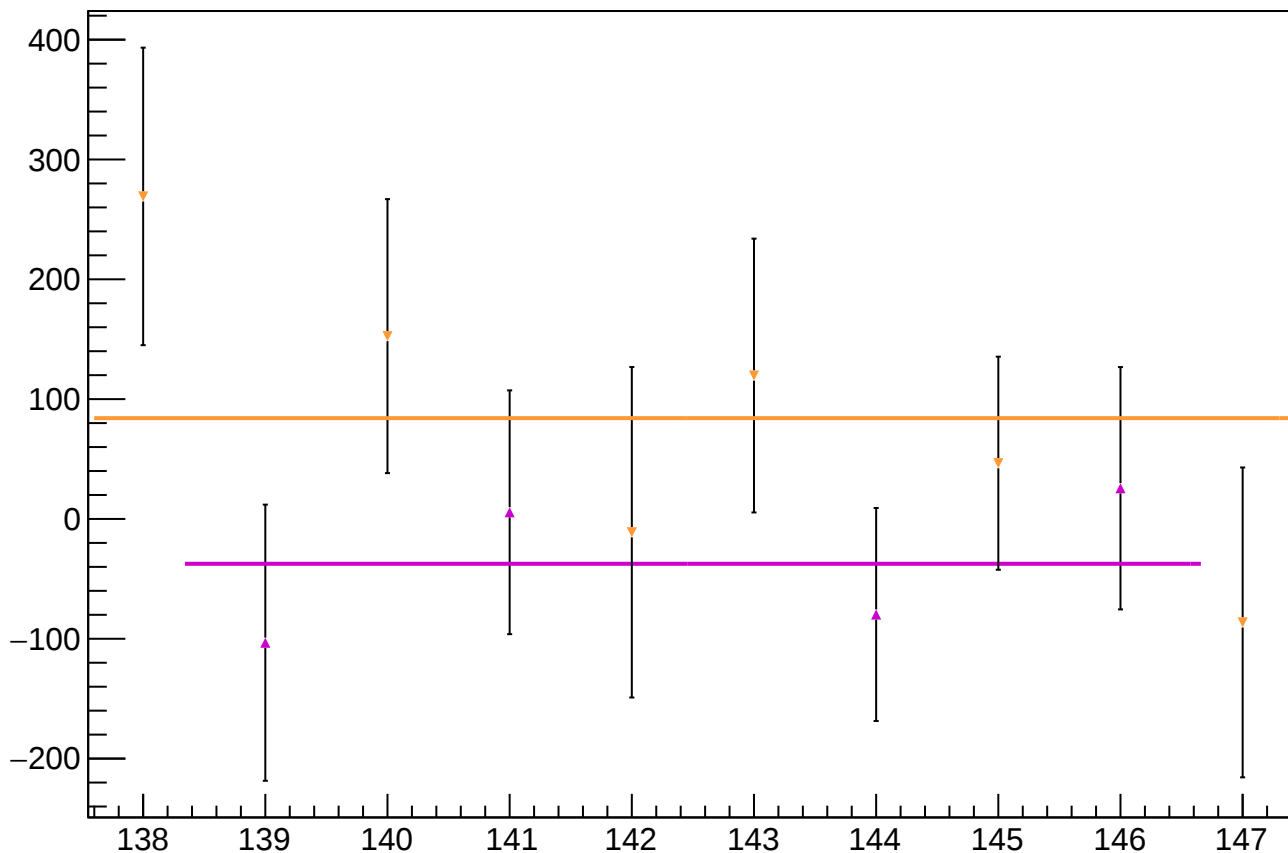
Left In: 457.283 $\pm$ 0.182 χ^2/NDF : 58741.2/3

568.705 $\pm$ 0.128 χ^2/NDF : 1927164.6/22

574.820 $\pm$ 0.093 χ^2/NDF : 3908093.8/46

581.546 $\pm$ 0.135 χ^2/NDF : 1976166.2/23

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 84.132+/-46.785 χ^2/NDF : 5.1/5

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

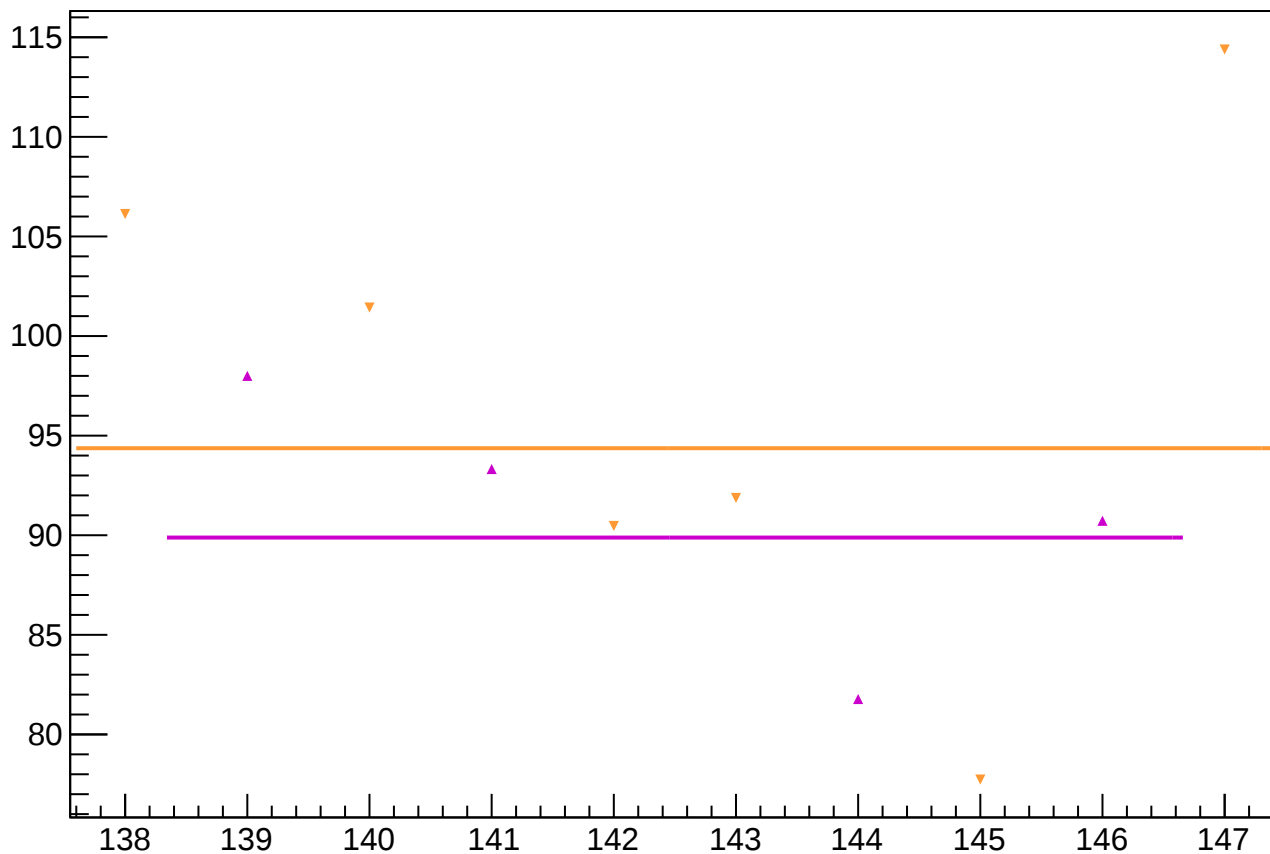
Left In: -37.415+/-50.235 χ^2/NDF : 1.1/3

84.132+/-46.785 χ^2/NDF : 5.1/5

27.675+/-34.237 χ^2/NDF : 9.3/9

-37.415+/-50.235 χ^2/NDF : 1.1/3

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 94.369+/-0.033 χ^2/NDF : 146044.6/5

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

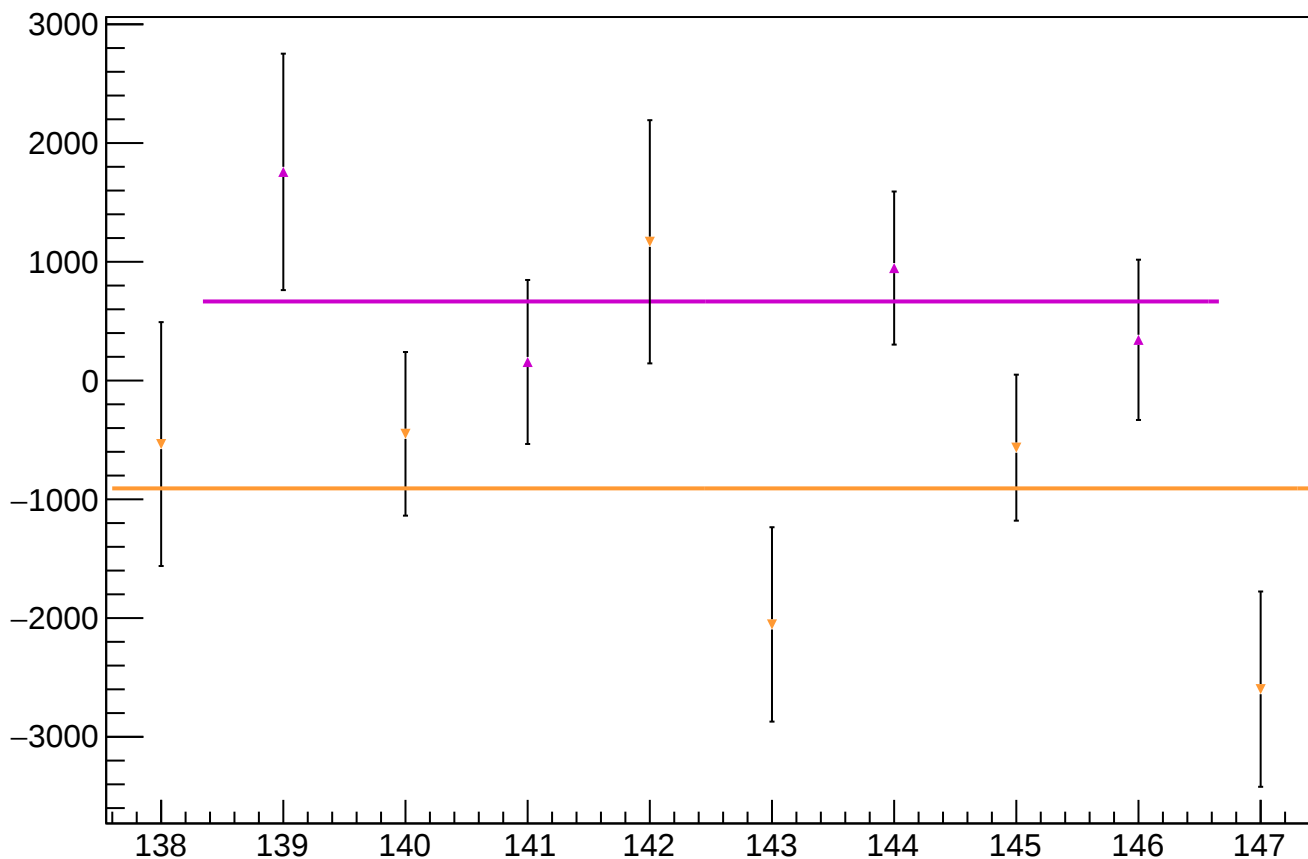
Left In: 89.884+/-0.036 χ^2/NDF : 28981.5/3

94.369+/-0.033 χ^2/NDF : 146044.6/5

92.285+/-0.024 χ^2/NDF : 183563.7/9

89.884+/-0.036 χ^2/NDF : 28981.5/3

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -907.974+/-322.288 χ^2/NDF : 11.2/5

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

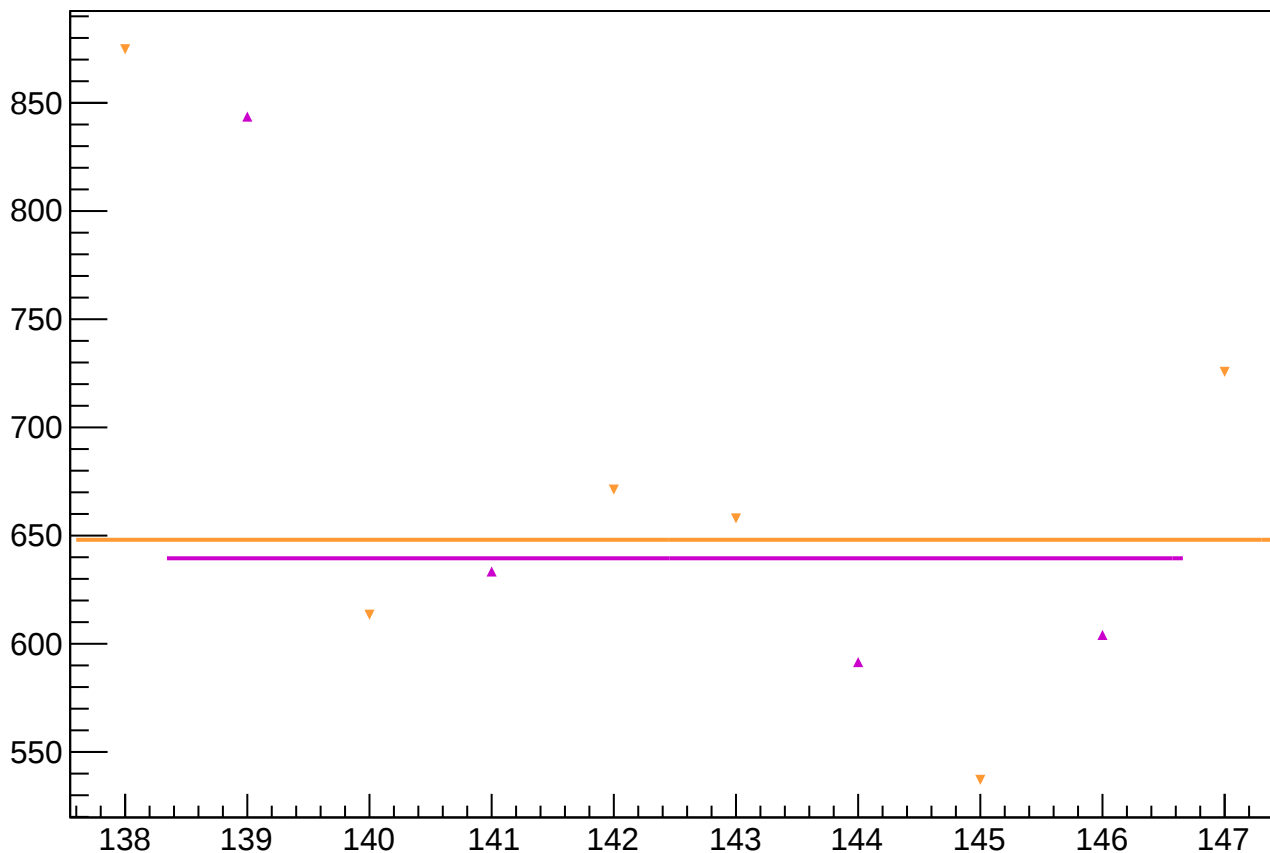
Left In: 666.039+/-360.154 χ^2/NDF : 2.2/3

-907.974+/-322.288 χ^2/NDF : 11.2/5

-208.034+/-240.167 χ^2/NDF : 24.0/9

666.039+/-360.154 χ^2/NDF : 2.2/3

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 648.070+/-0.228 χ^2/NDF : 186859.5/5

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

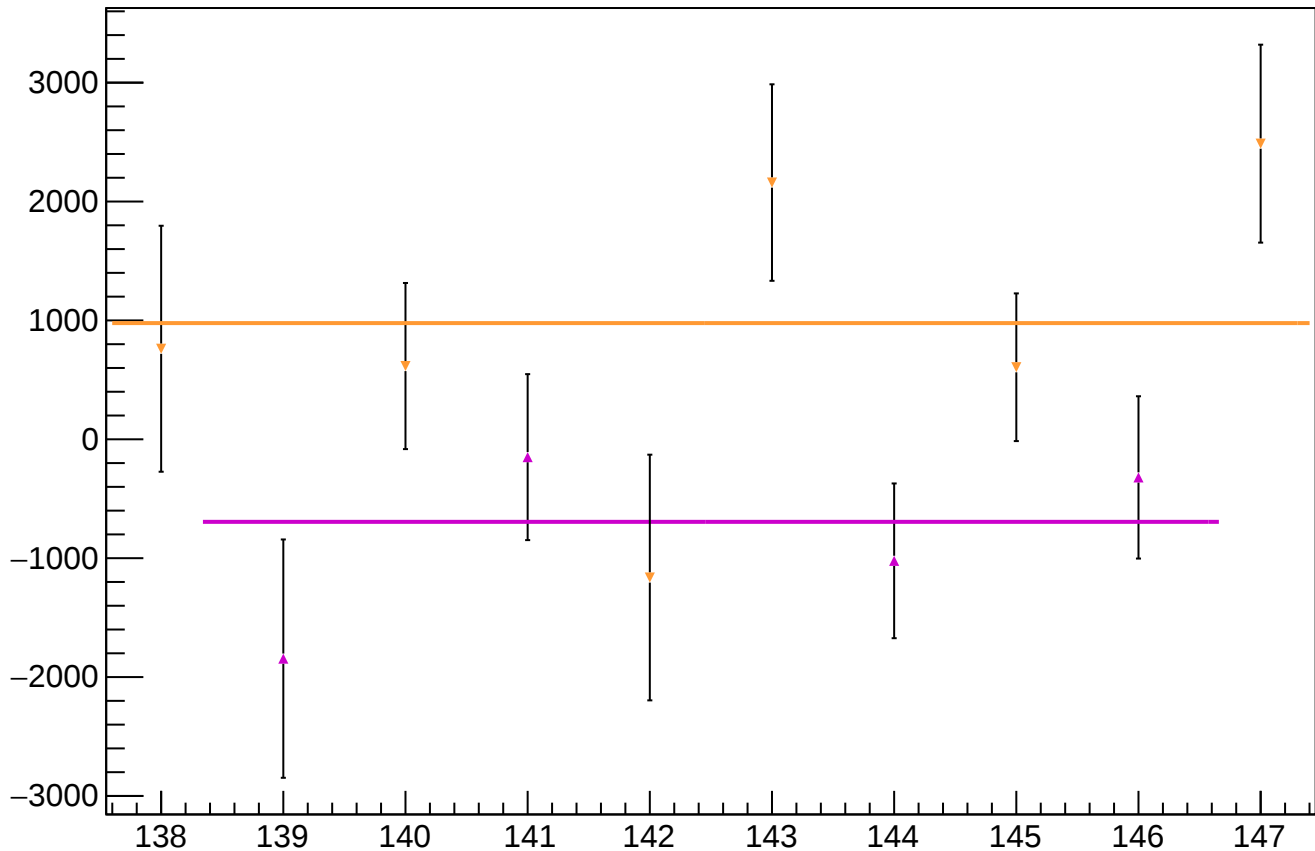
Left In: 639.511+/-0.255 χ^2/NDF : 100858.1/3

648.070+/-0.228 χ^2/NDF : 186859.5/5

644.264+/-0.170 χ^2/NDF : 288344.8/9

639.511+/-0.255 χ^2/NDF : 100858.1/3

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 977.491+/-325.846 χ^2/NDF :10.3/5

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

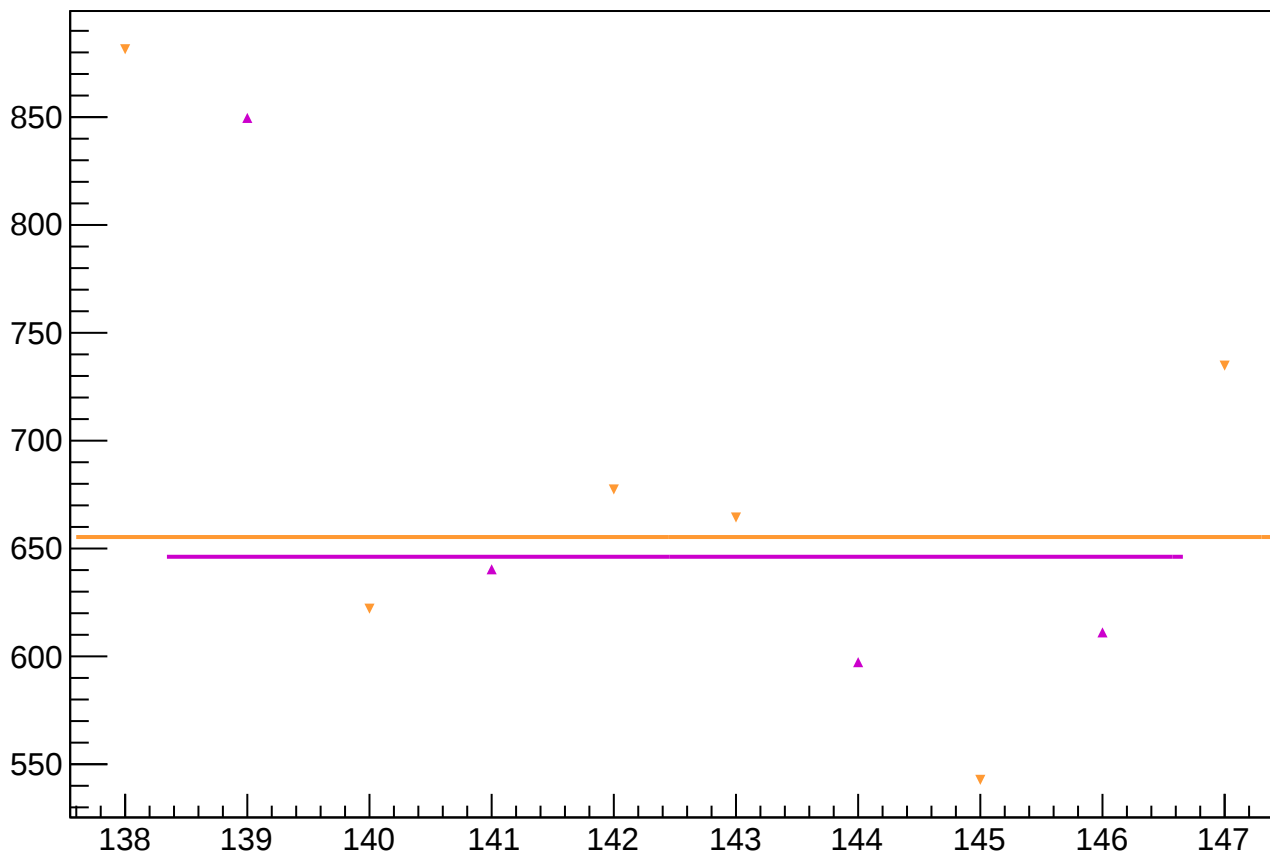
Left In: -694.267+/-363.824 χ^2/NDF :2.5/3

977.491+/-325.846 χ^2/NDF : 10.3/5

233.394+/-242.728 χ^2/NDF : 24.5/9

-694.267+/-363.824 χ^2/NDF : 2.5/3

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 655.326+/-0.230 χ^2/NDF : 185150.0/5

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

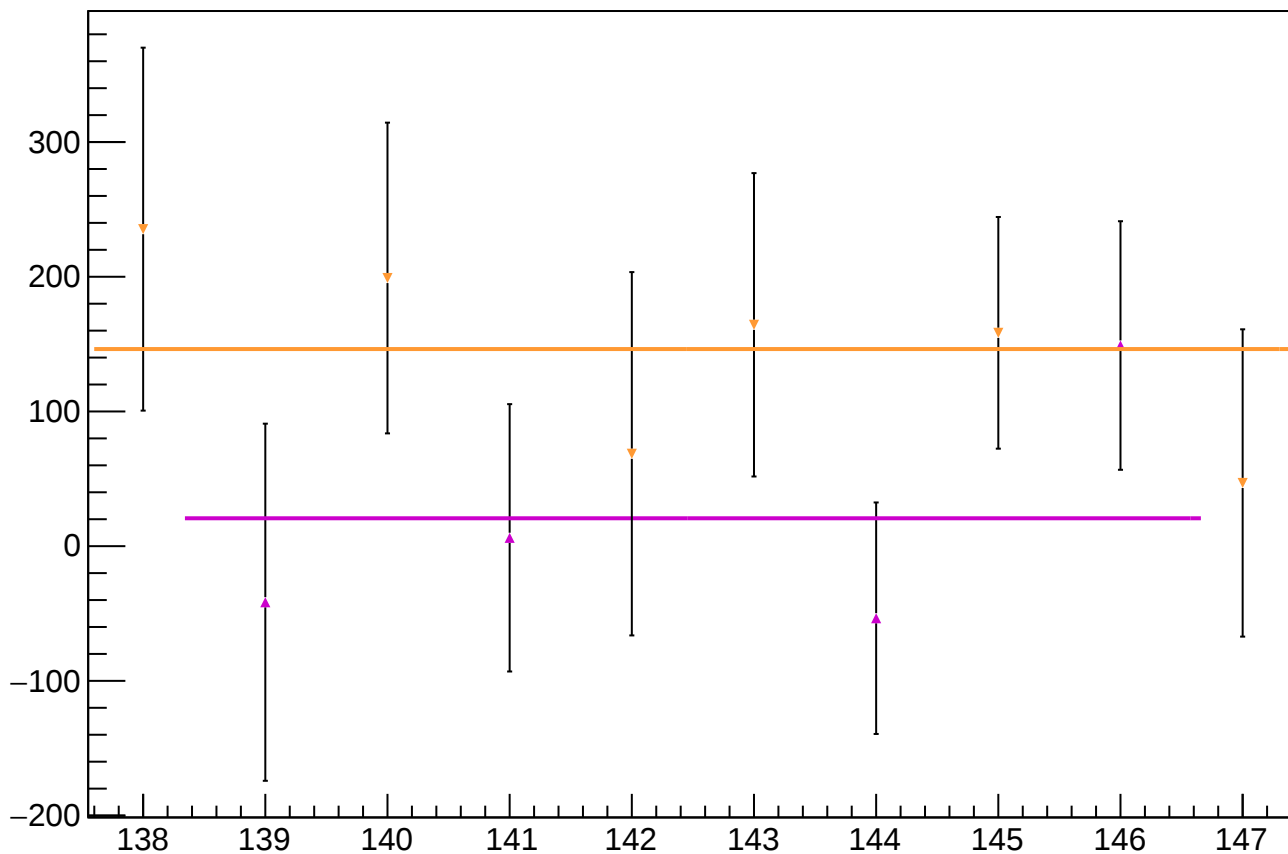
Left In: 646.177+/-0.257 χ^2/NDF : 99089.1/3

655.326+/-0.230 χ^2/NDF : 185150.0/5

651.254+/-0.172 χ^2/NDF : 284941.0/9

646.177+/-0.257 χ^2/NDF : 99089.1/3

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 146.336+/-45.828 χ^2/NDF : 1.8/5

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

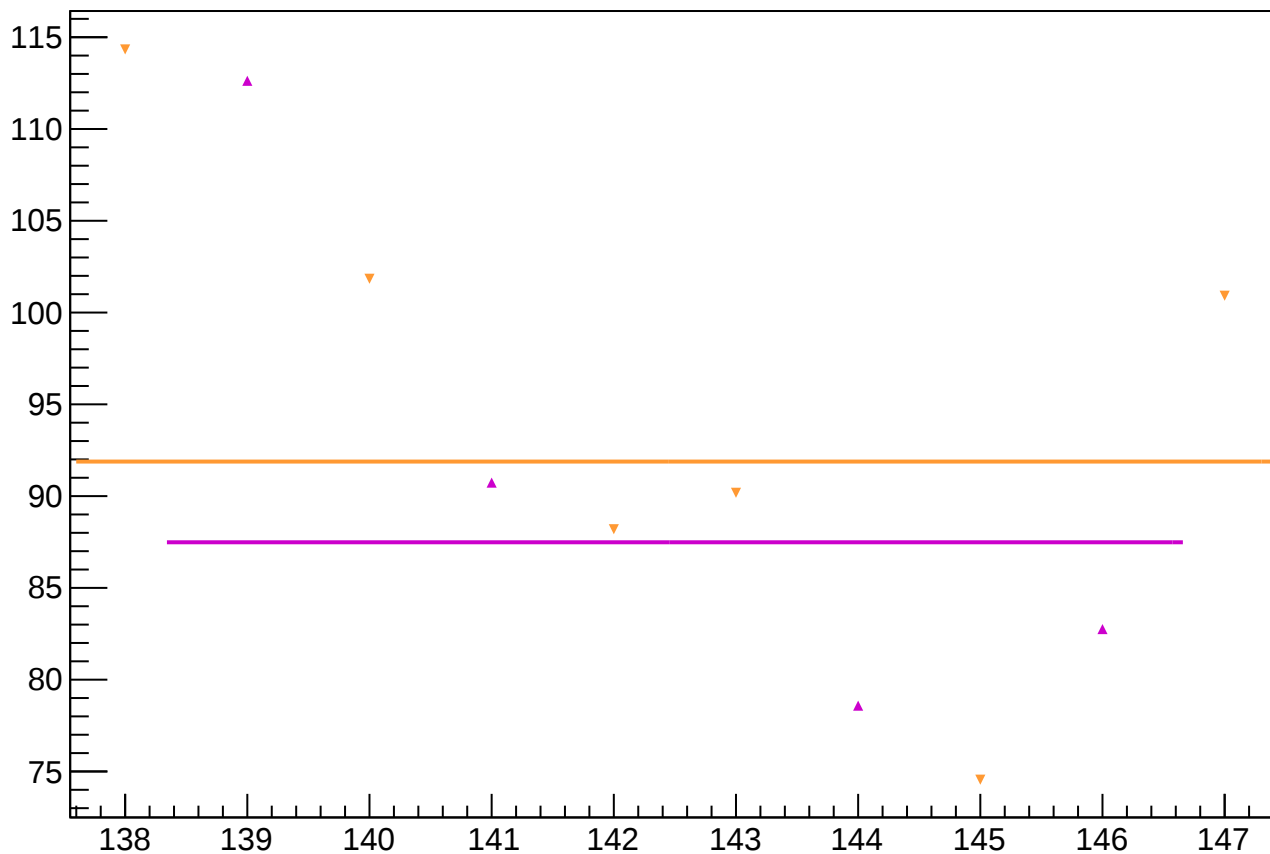
Left In: 20.701+/-49.306 χ^2/NDF : 2.9/3

146.336+/-45.828 χ^2/NDF : 1.8/5

88.106+/-33.567 χ^2/NDF : 8.2/9

20.701+/-49.306 χ^2/NDF : 2.9/3

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.882+/-0.032 χ^2/NDF : 166172.9/5

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

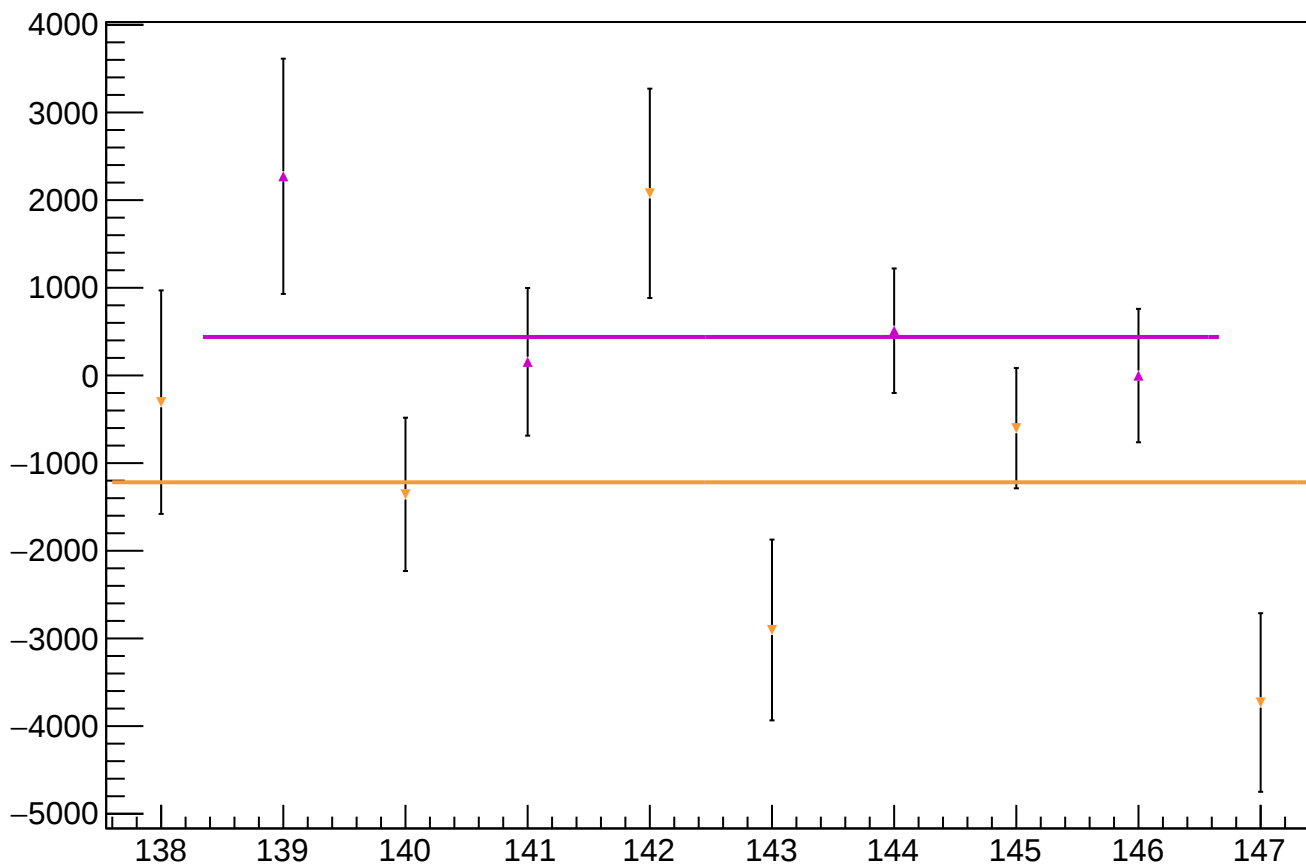
Left In: 87.485+/-0.035 χ^2/NDF : 100795.8/3

91.882+/-0.032 χ^2/NDF : 166172.9/5

89.844+/-0.024 χ^2/NDF : 275503.5/9

87.485+/-0.035 χ^2/NDF : 100795.8/3

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1218.706+/-387.670 χ^2/NDF : 17.7/5

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

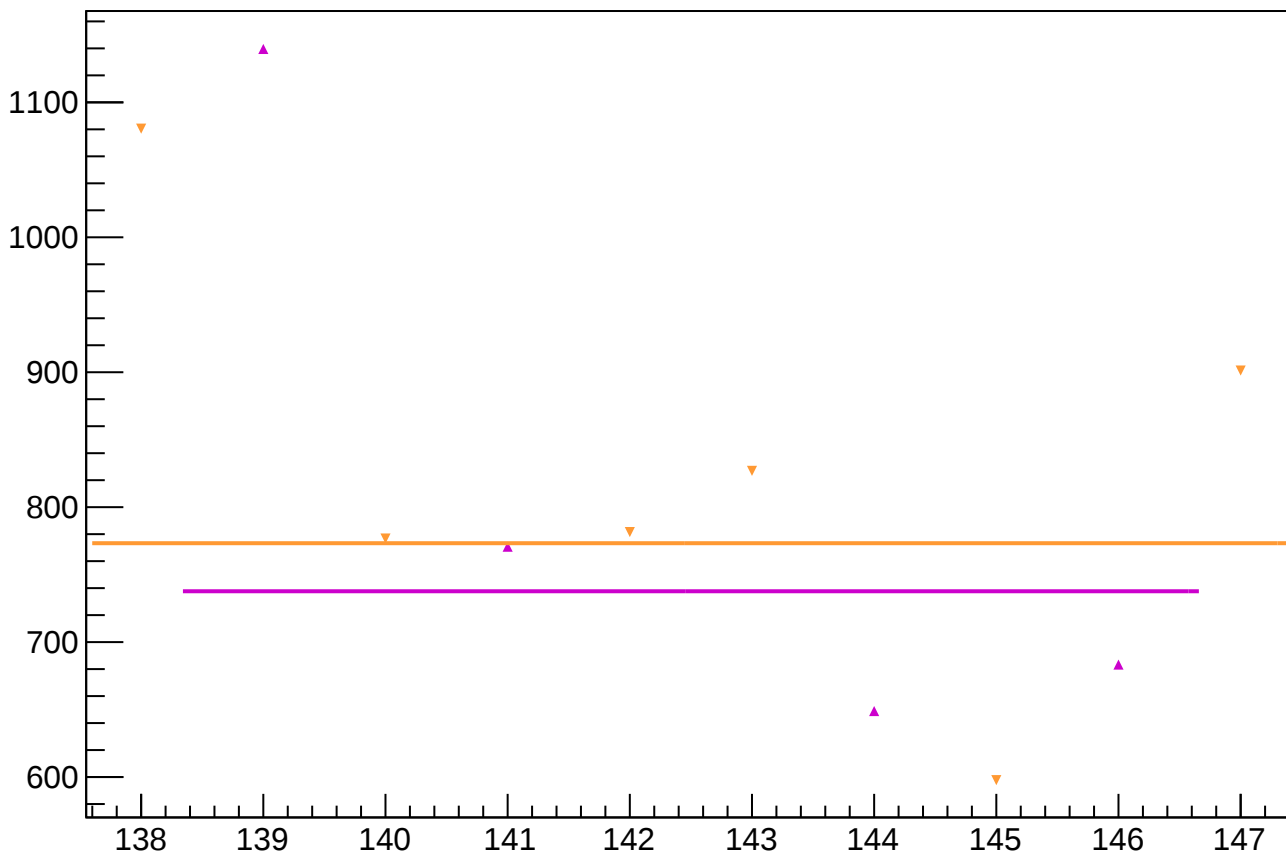
Left In: 438.937+/-419.831 χ^2/NDF : 2.3/3

-1218.706+/-387.670 χ^2/NDF : 17.7/5

-455.799+/-284.816 χ^2/NDF : 28.5/9

438.937+/-419.831 χ^2/NDF : 2.3/3

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 773.294+/-0.274 χ^2/NDF : 284295.5/5

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

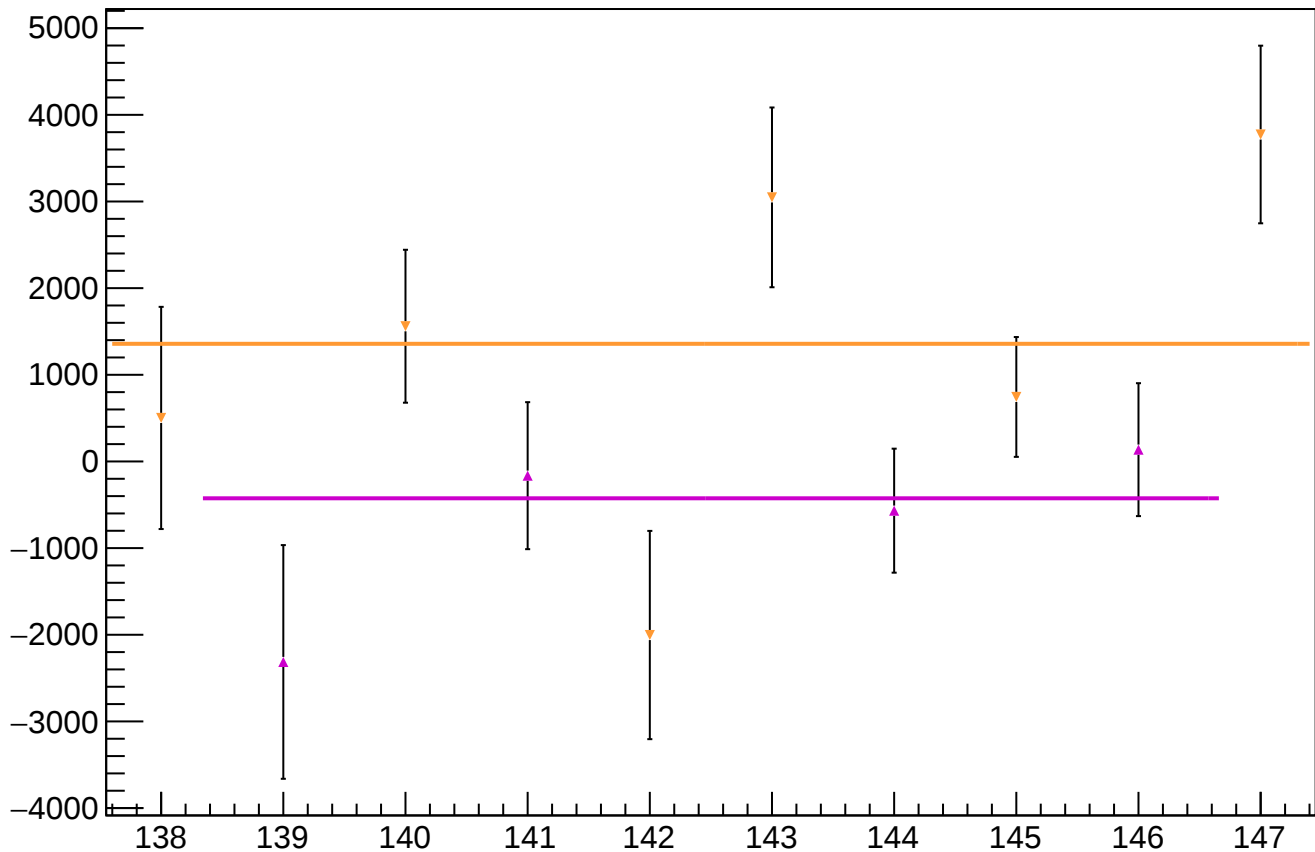
Left In: 737.681+/-0.297 χ^2/NDF : 223929.8/3

773.294+/-0.274 χ^2/NDF : 284295.5/5

756.904+/-0.201 χ^2/NDF : 515993.4/9

737.681+/-0.297 χ^2/NDF : 223929.8/3

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1357.638+/-390.500 χ^2/NDF : 17.3/5

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

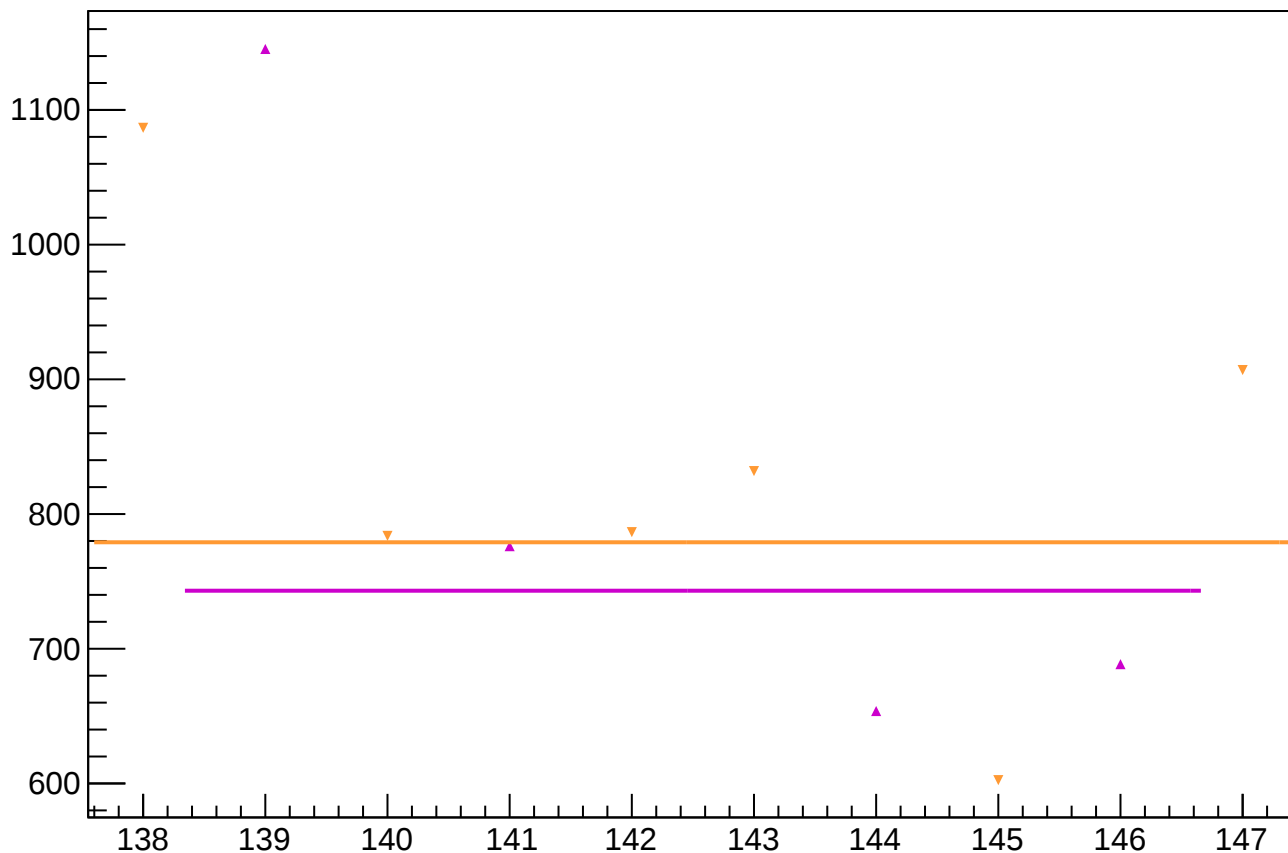
Left In: -425.214+/-422.833 χ^2/NDF : 2.6/3

1357.638+/-390.500 χ^2/NDF : 17.3/5

536.976+/-286.875 χ^2/NDF : 29.5/9

-425.214+/-422.833 χ^2/NDF : 2.6/3

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.045+/-0.276 χ^2/NDF : 282064.5/5

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

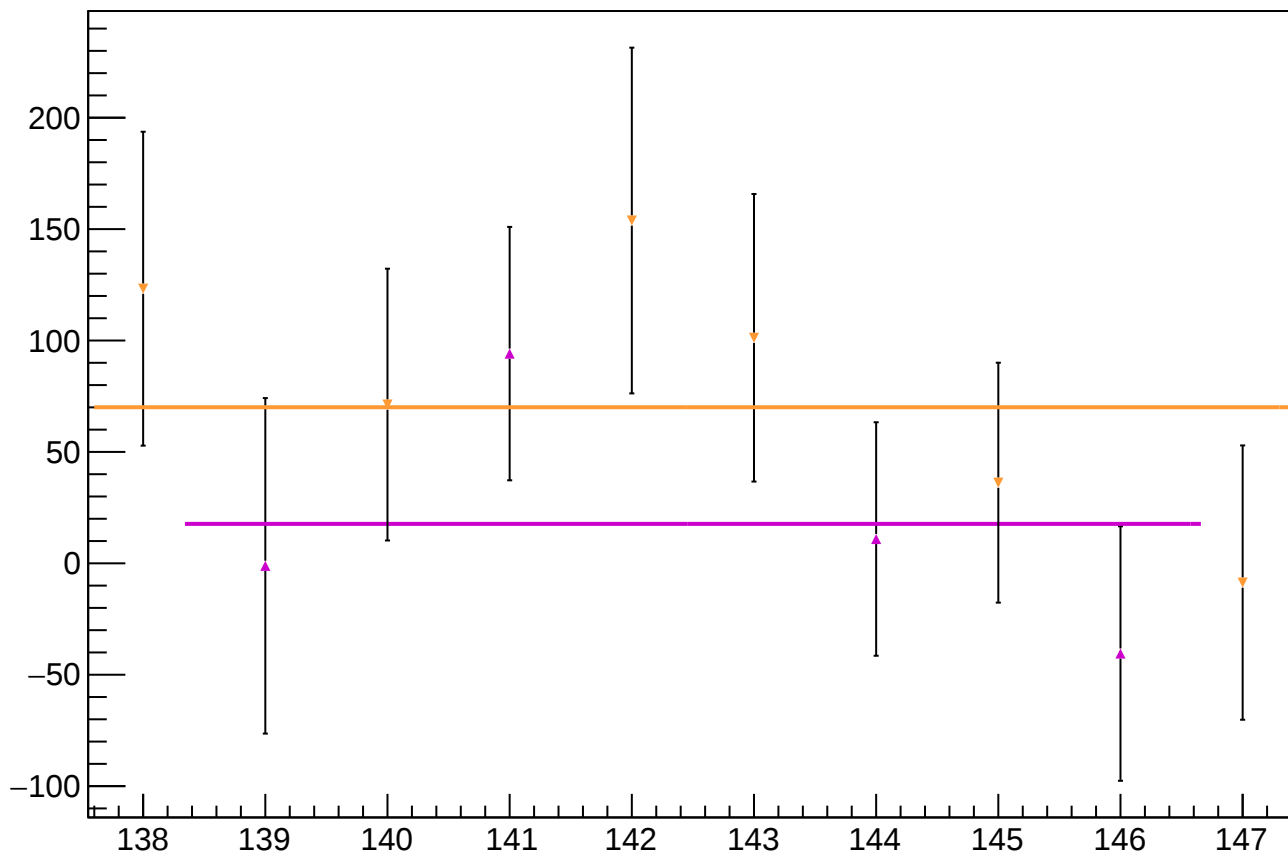
Left In: 743.085+/-0.299 χ^2/NDF : 222214.5/3

779.045+/-0.276 χ^2/NDF : 282064.5/5

762.492+/-0.203 χ^2/NDF : 512086.2/9

743.085+/-0.299 χ^2/NDF : 222214.5/3

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 70.055+/-25.945 χ^2/NDF : 4.0/5

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

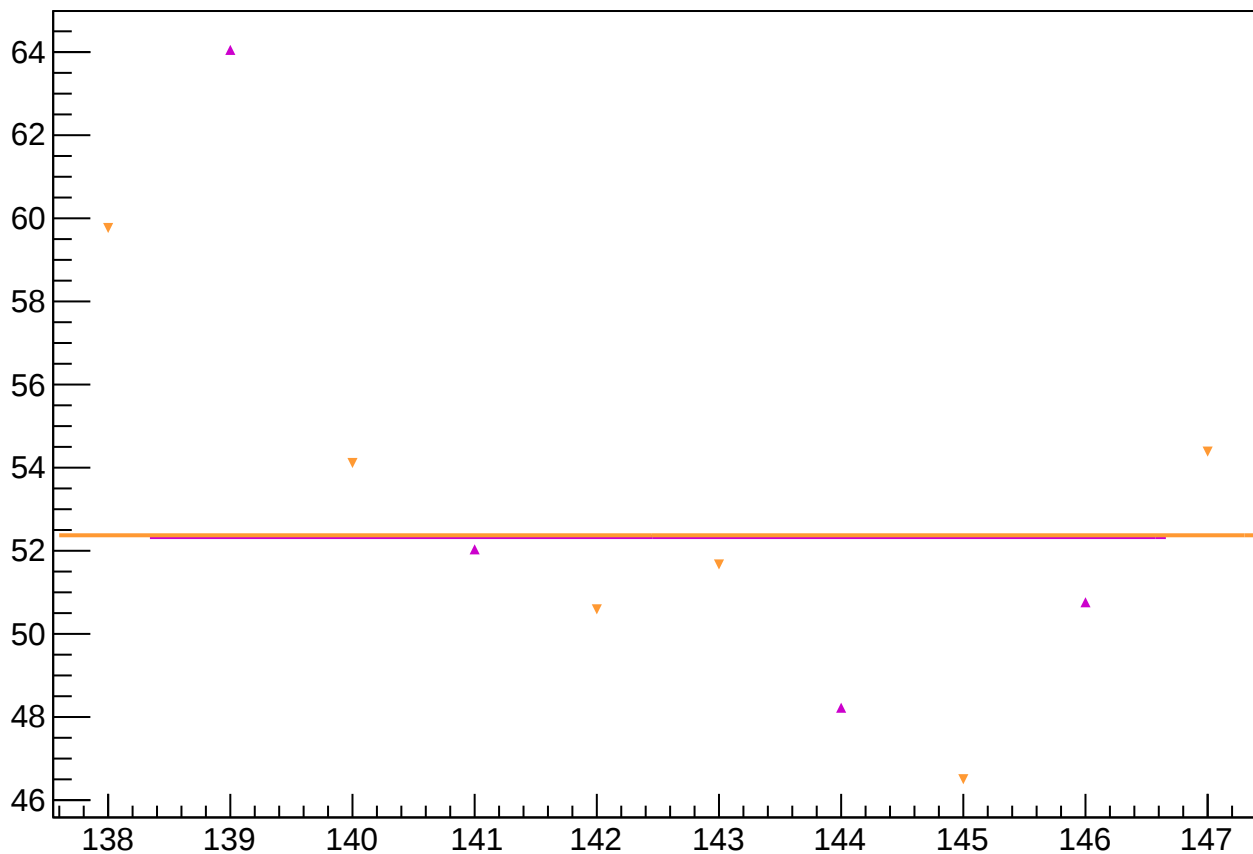
Left In: 17.706+/-29.407 χ^2/NDF : 2.9/3

70.055+/-25.945 χ^2/NDF : 4.0/5

47.142+/-19.456 χ^2/NDF : 8.7/9

17.706+/-29.407 χ^2/NDF : 2.9/3

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 52.373+/-0.018 χ^2/NDF : 50864.6/5

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

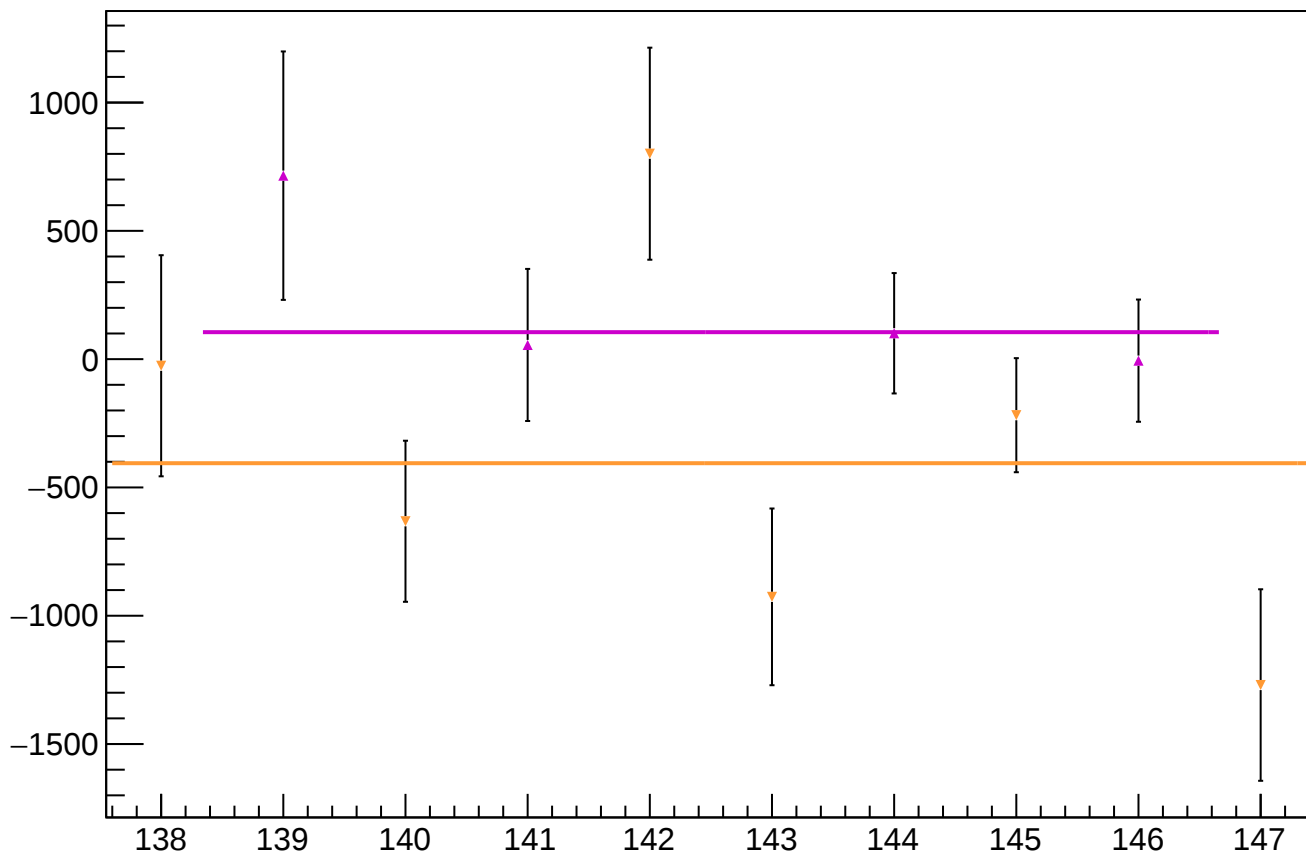
Left In: 52.330+/-0.021 χ^2/NDF : 62326.9/3

52.373+/-0.018 χ^2/NDF : 50864.6/5

52.354+/-0.014 χ^2/NDF : 113193.8/9

52.330+/-0.021 χ^2/NDF : 62326.9/3

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -405.527+/-132.173 χ^2/NDF : 18.2/5

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

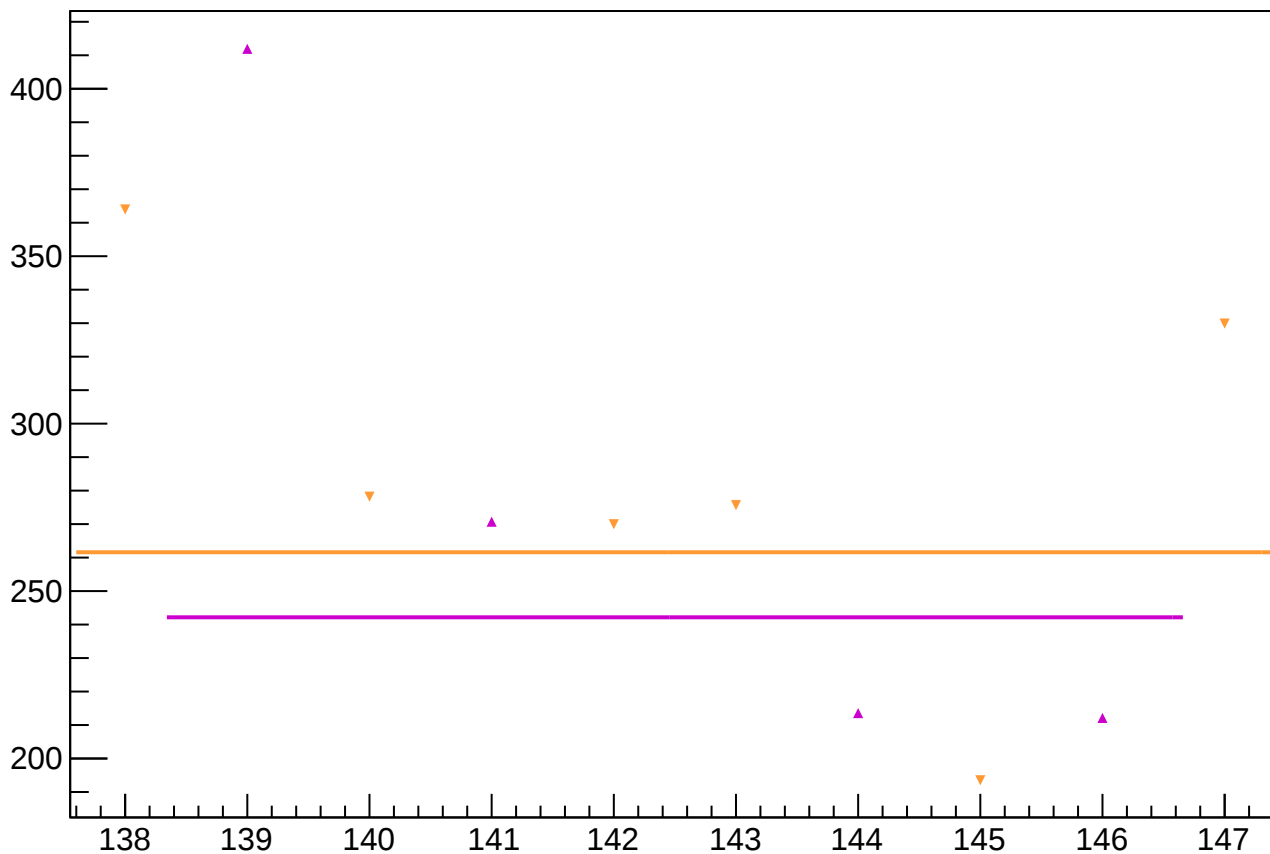
Left In: 105.167+/-139.412 χ^2/NDF : 1.8/3

-405.527+/-132.173 χ^2/NDF : 18.2/5

-163.783+/-95.918 χ^2/NDF : 27.1/9

105.167+/-139.412 χ^2/NDF : 1.8/3

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 261.592+/-0.093 χ^2/NDF : 377253.6/5

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

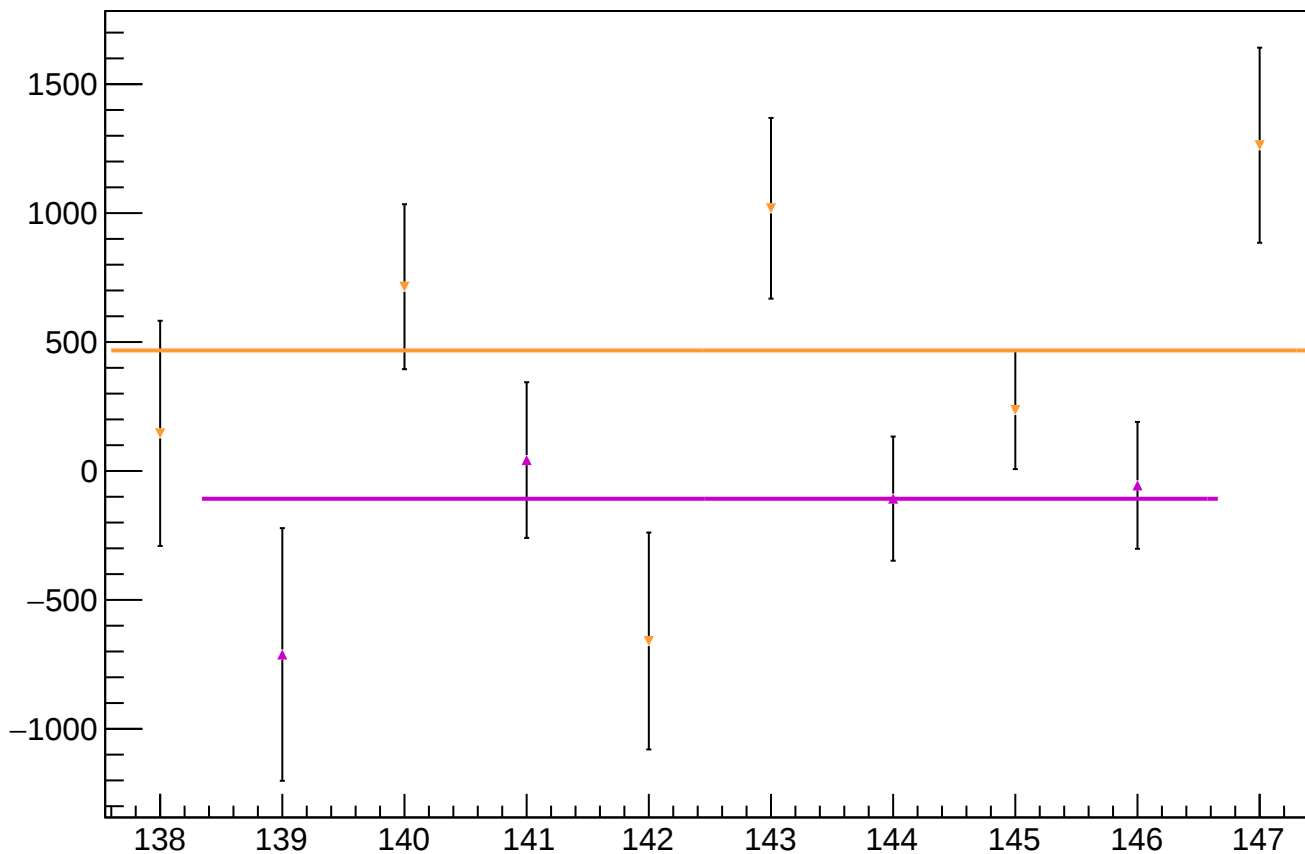
Left In: 242.170+/-0.099 χ^2/NDF : 326075.0/3

261.592+/-0.093 χ^2/NDF : 377253.6/5

252.398+/-0.068 χ^2/NDF : 723771.2/9

242.170+/-0.099 χ^2/NDF : 326075.0/3

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 467.515+/-135.016 χ^2/NDF : 16.2/5

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

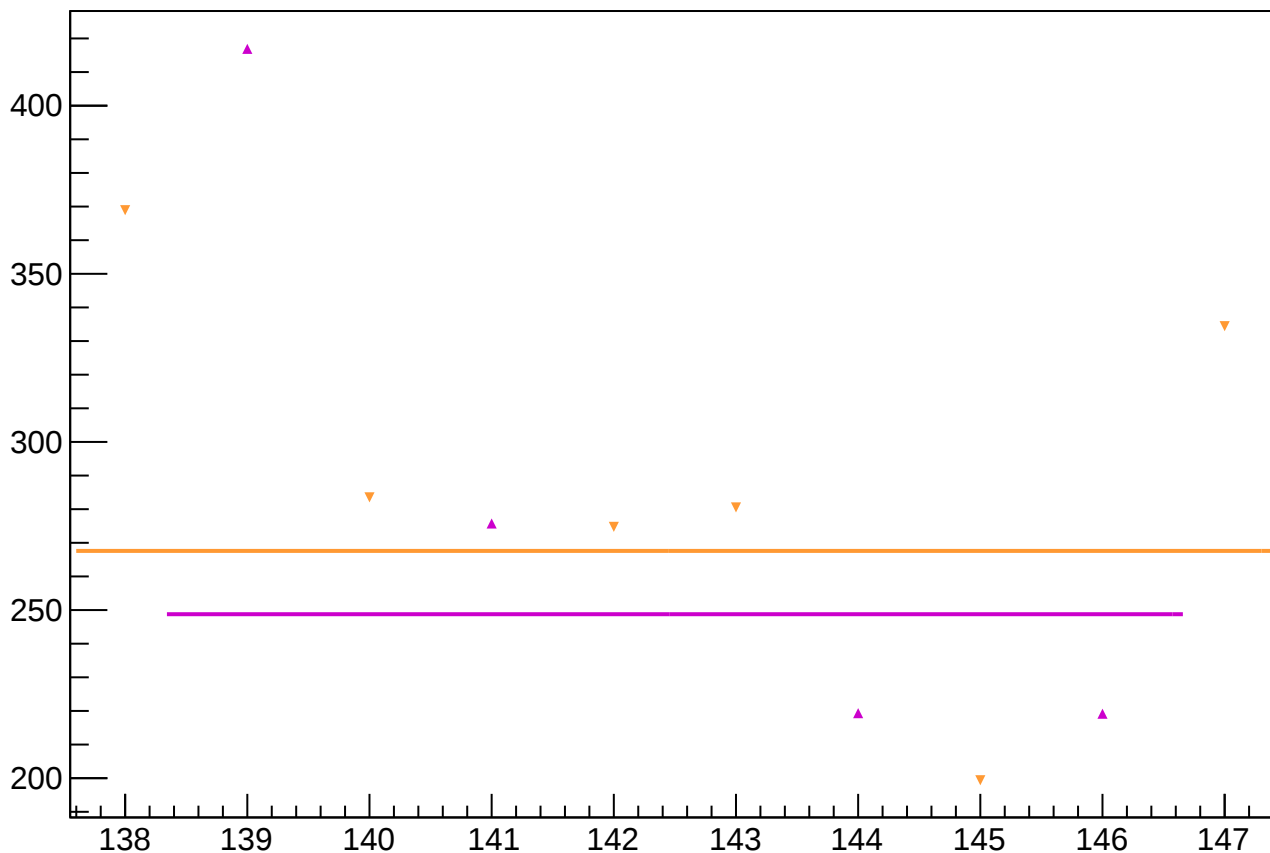
Left In: -107.745+/-142.980 χ^2/NDF : 1.8/3

467.515+/-135.016 χ^2/NDF : 16.2/5

196.352+/-98.166 χ^2/NDF : 26.6/9

-107.745+/-142.980 χ^2/NDF : 1.8/3

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 267.594+/-0.095 χ^2/NDF : 355656.9/5

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

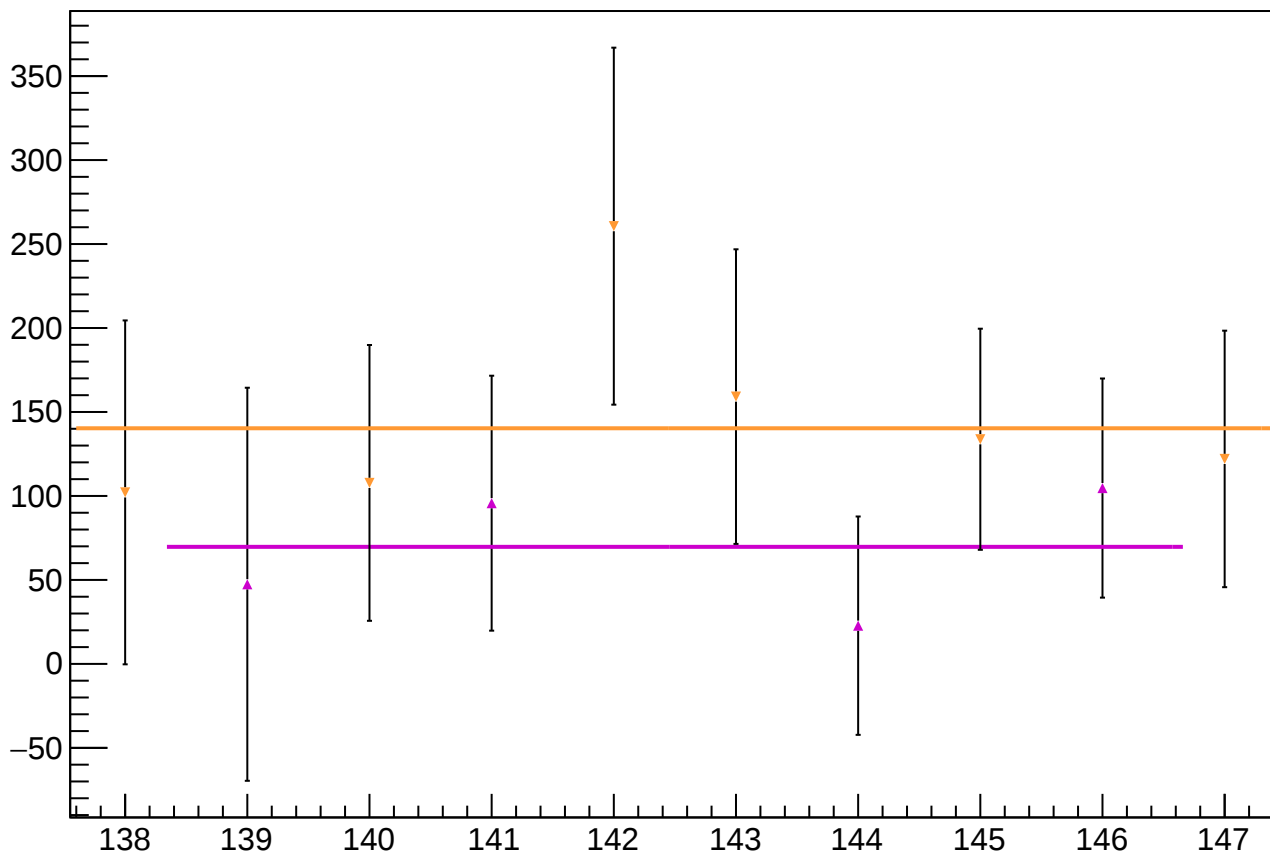
Left In: 248.765+/-0.101 χ^2/NDF : 310356.6/3

267.594+/-0.095 χ^2/NDF : 355656.9/5

258.719+/-0.069 χ^2/NDF : 684348.2/9

248.765+/-0.101 χ^2/NDF : 310356.6/3

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 140.298+/-34.010 χ^2/NDF : 1.7/5

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

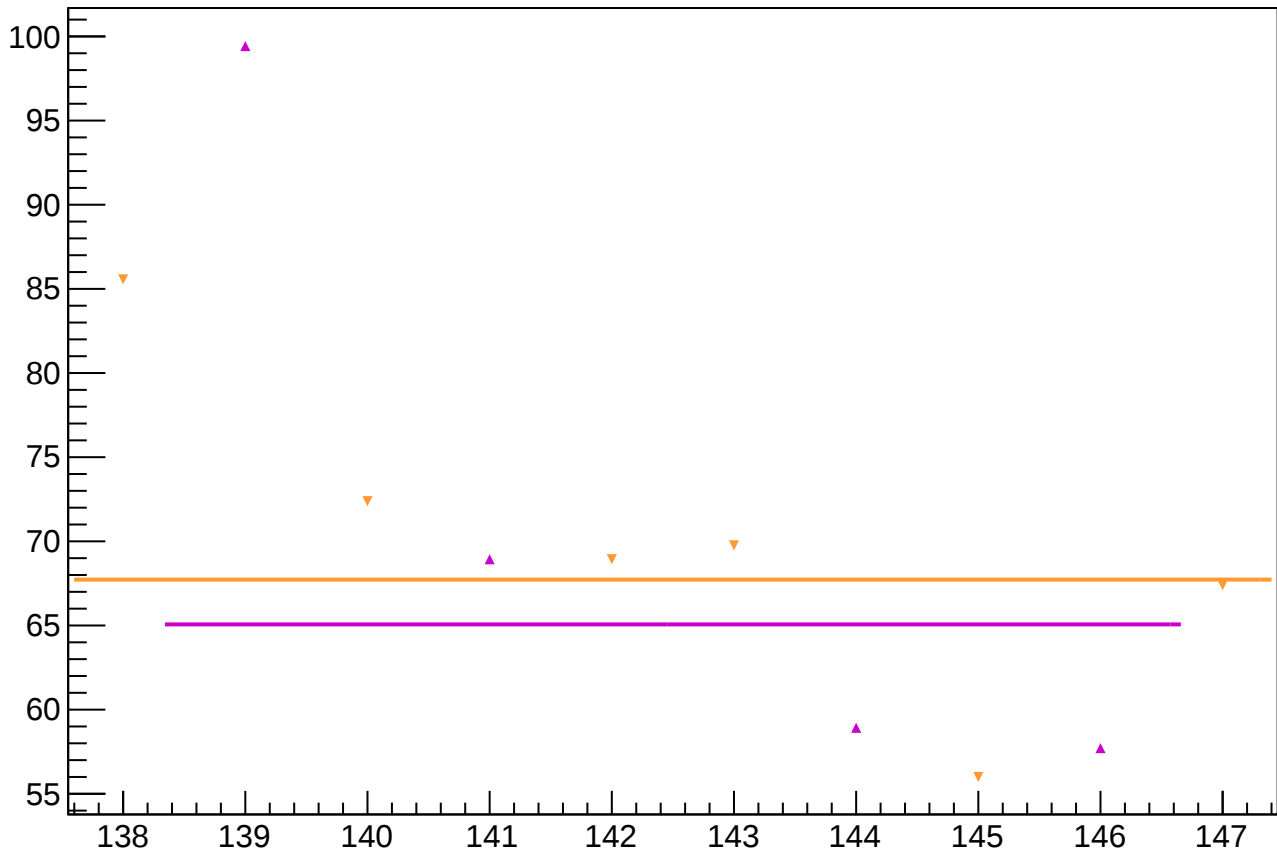
Left In: 69.702+/-37.314 χ^2/NDF : 1.0/3

140.298+/-34.010 χ^2/NDF : 1.7/5

108.263+/-25.136 χ^2/NDF : 4.6/9

69.702+/-37.314 χ^2/NDF : 1.0/3

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 67.728+/-0.024 χ^2/NDF :132055.7/5

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

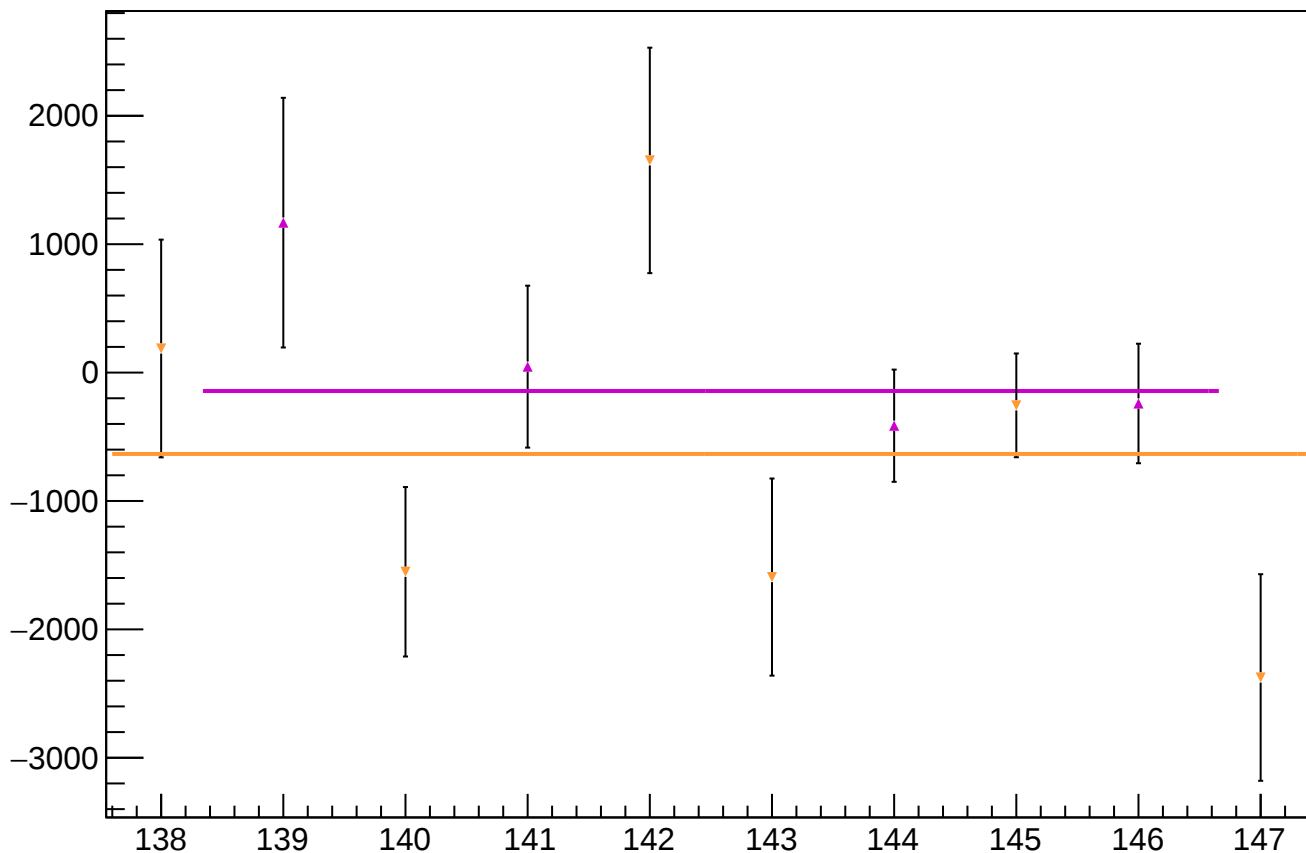
Left In: 65.065+/-0.026 χ^2/NDF :220915.5/3

67.728+/-0.024 χ^2/NDF : 132055.7/5

66.520+/-0.018 χ^2/NDF : 358533.8/9

65.065+/-0.026 χ^2/NDF : 220915.5/3

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -633.755+/-264.003 χ^2/NDF : 16.8/5

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

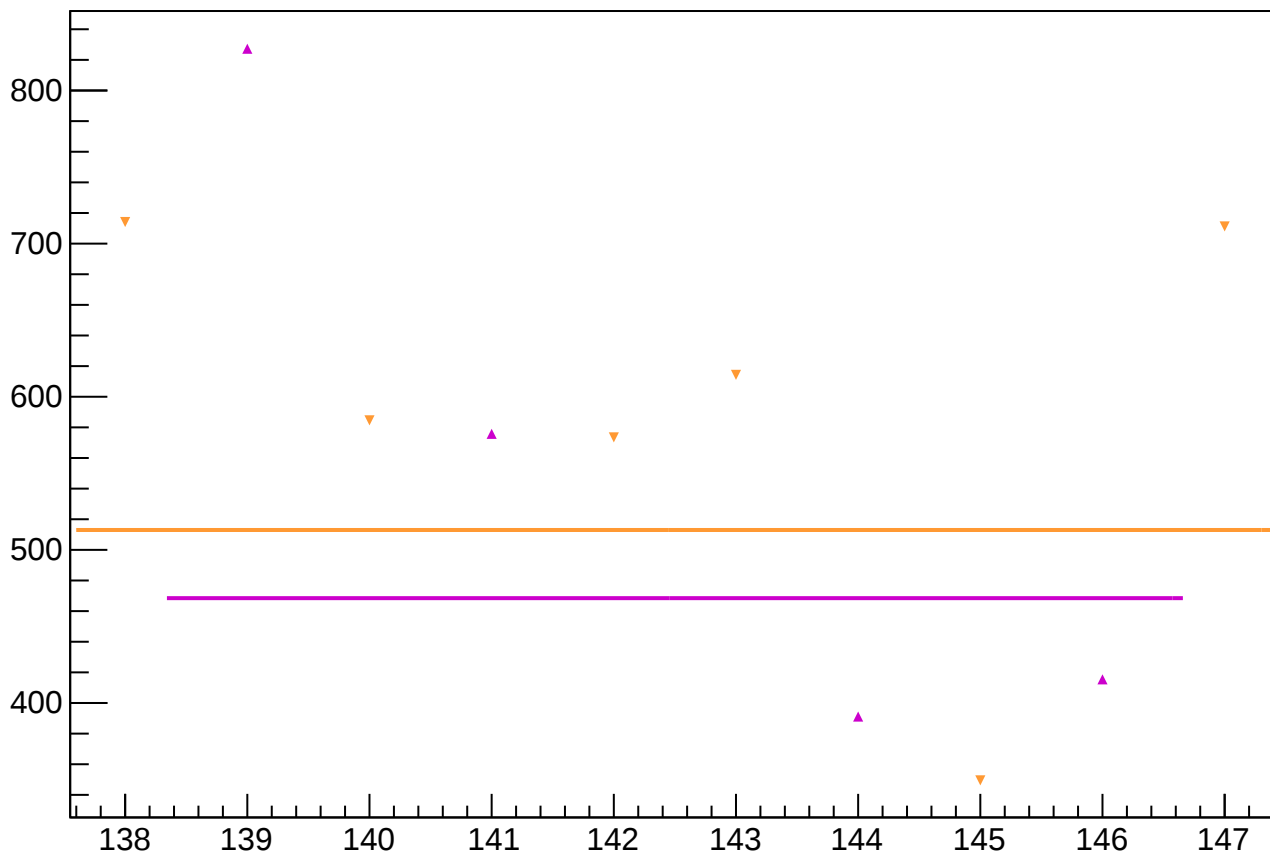
Left In: -143.404+/-272.943 χ^2/NDF : 2.3/3

-633.755+/-264.003 χ^2/NDF : 16.8/5

-396.741+/-189.760 χ^2/NDF : 20.8/9

-143.404+/-272.943 χ^2/NDF : 2.3/3

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 512.985+/-0.187 χ^2/NDF : 629177.5/5

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

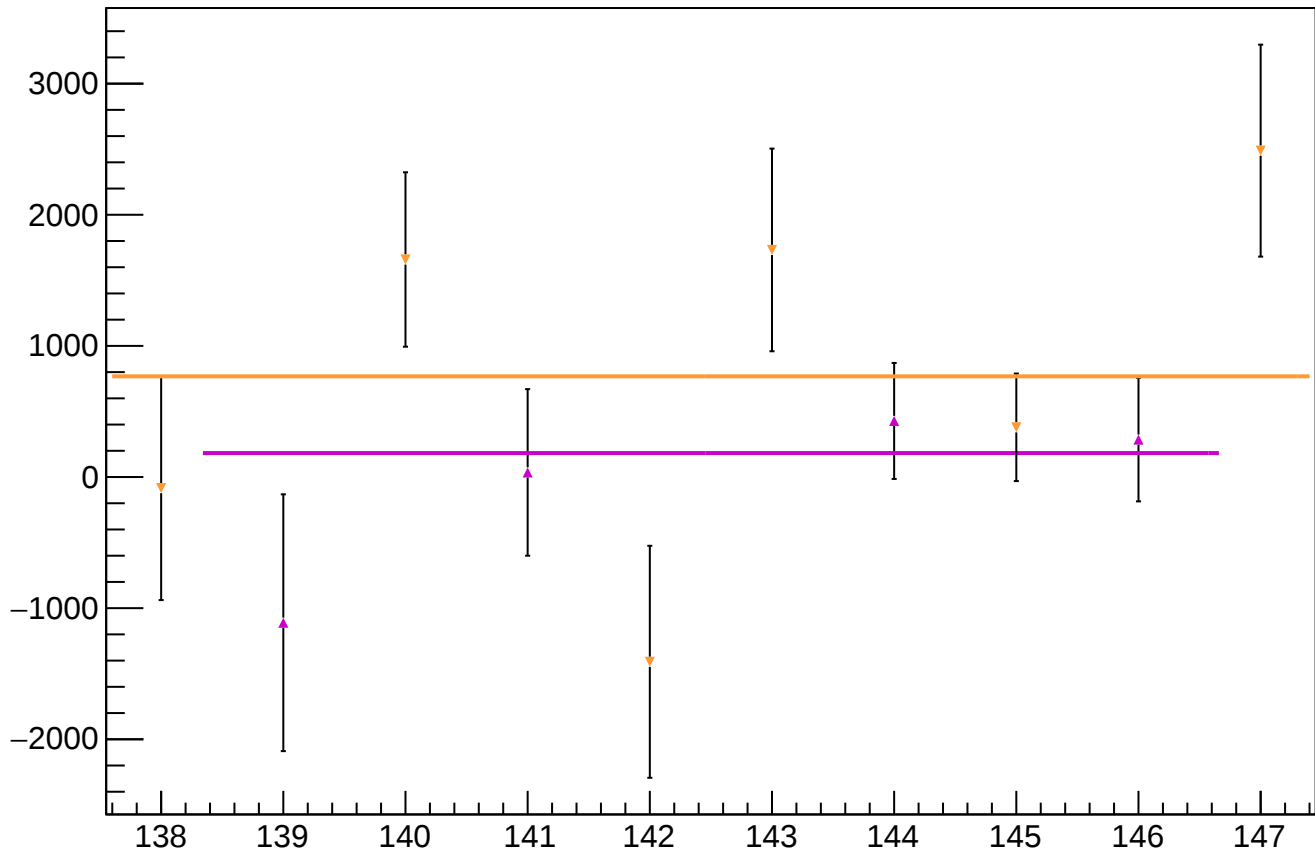
Left In: 468.468+/-0.193 χ^2/NDF : 418899.8/3

512.985+/-0.187 χ^2/NDF : 629177.5/5

491.467+/-0.134 χ^2/NDF : 1075565.4/9

468.468+/-0.193 χ^2/NDF : 418899.8/3

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 767.966+/-266.659 χ^2/NDF :15.8/5

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

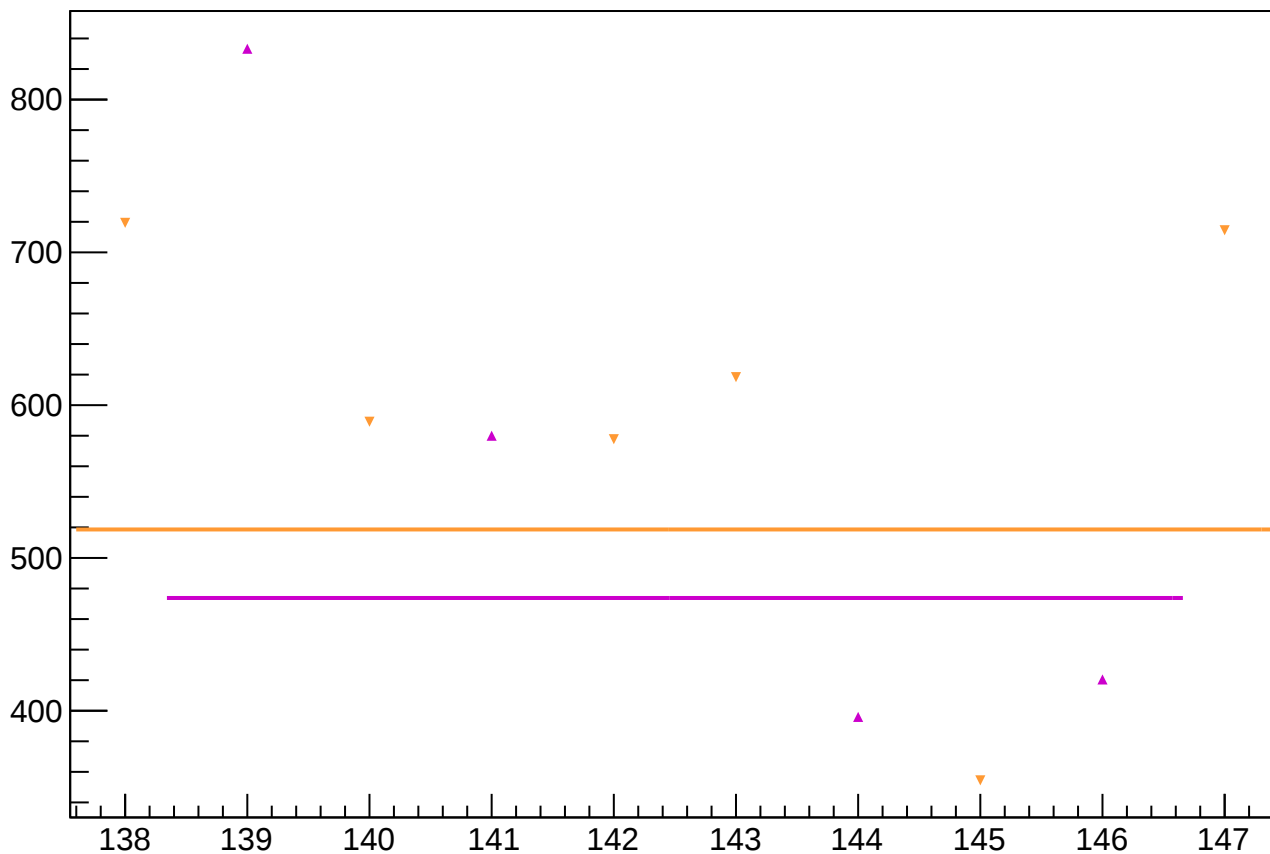
Left In: 182.769+/-275.882 χ^2/NDF :2.2/3

767.966+/-266.659 χ^2/NDF : 15.8/5

485.312+/-191.734 χ^2/NDF : 20.3/9

182.769+/-275.882 χ^2/NDF : 2.2/3

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 518.647+/-0.189 χ^2/NDF : 613249.1/5

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

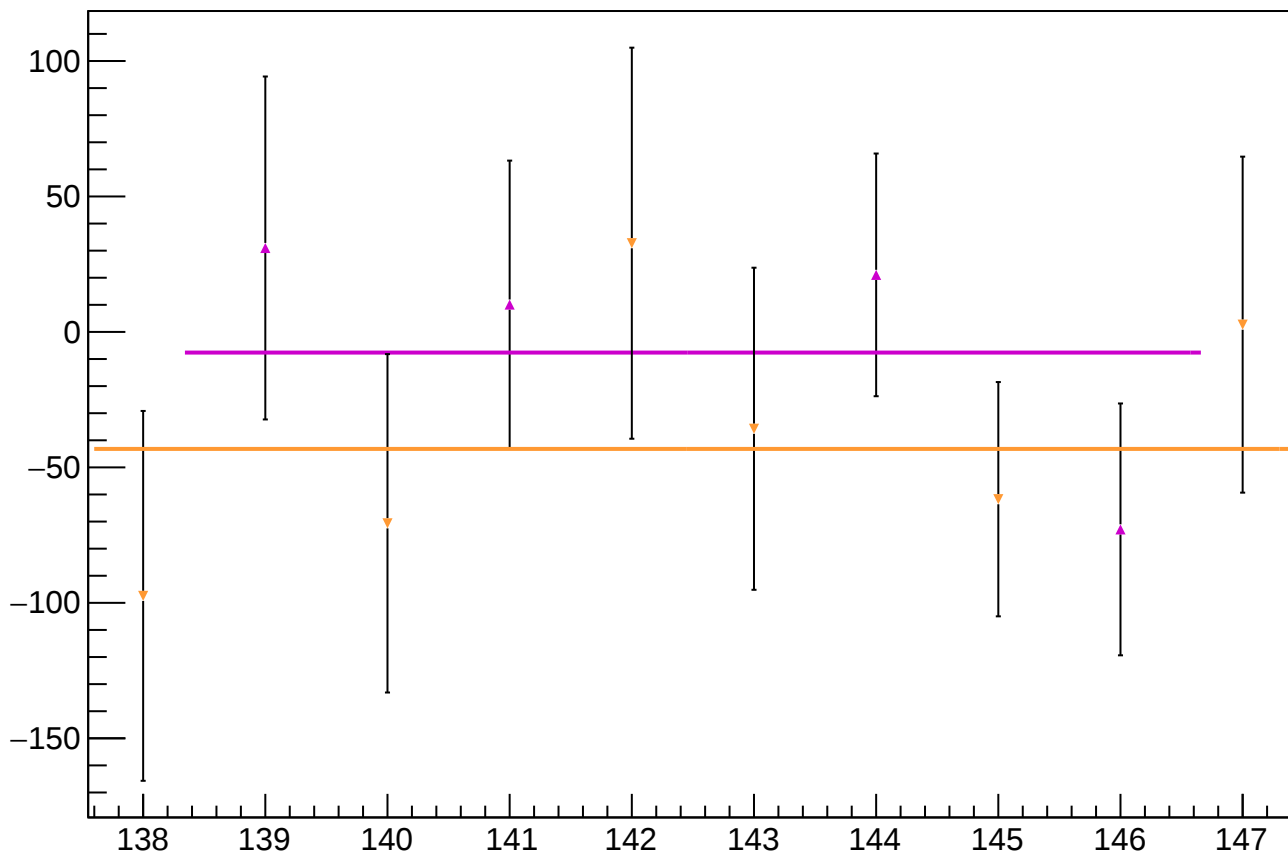
Left In: 473.802+/-0.195 χ^2/NDF : 412933.2/3

518.647+/-0.189 χ^2/NDF : 613249.1/5

496.986+/-0.136 χ^2/NDF : 1053503.2/9

473.802+/-0.195 χ^2/NDF : 412933.2/3

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -43.182+/-23.967 χ^2/NDF : 2.7/5

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

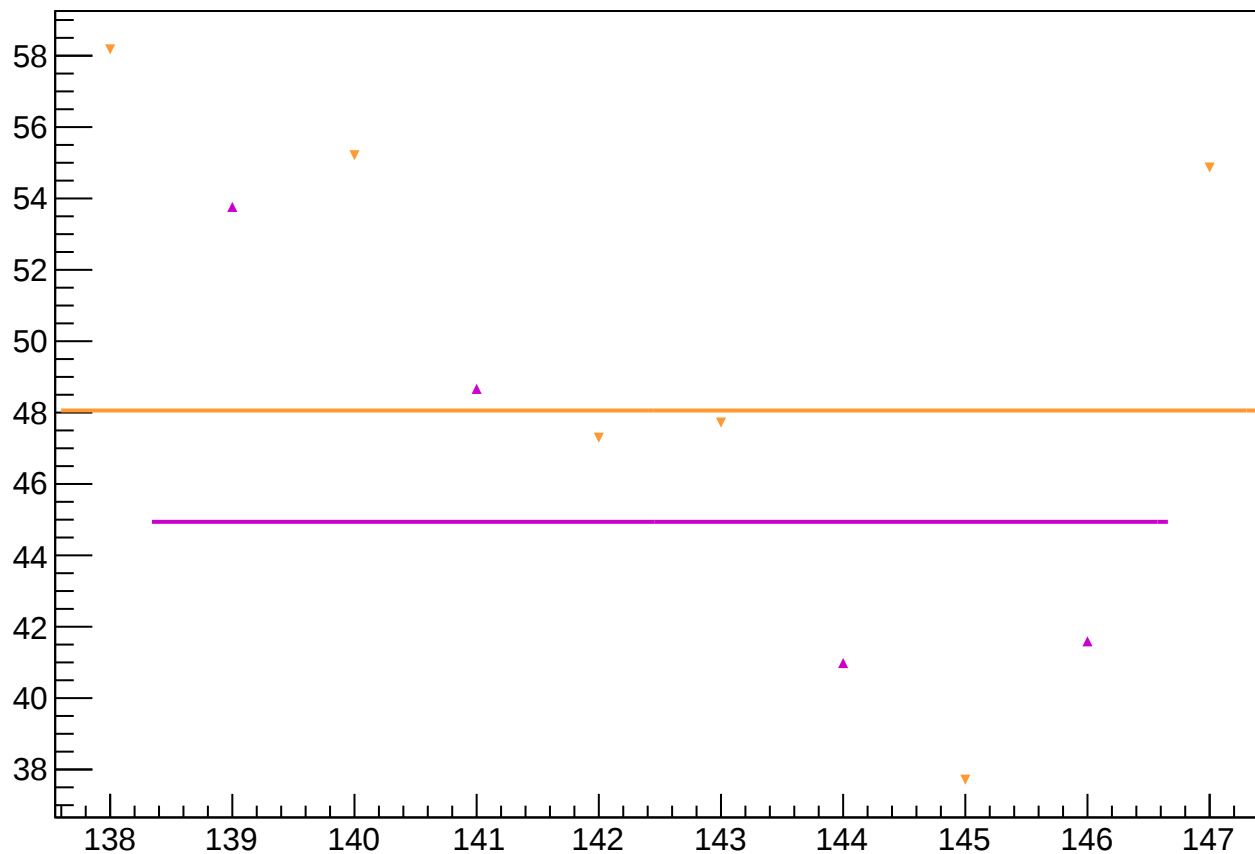
Left In: -7.621+/-25.277 χ^2/NDF : 2.9/3

-43.182+/-23.967 χ^2/NDF : 2.7/5

-26.346+/-17.392 χ^2/NDF : 6.6/9

-7.621+/-25.277 χ^2/NDF : 2.9/3

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 48.059+/-0.017 χ^2/NDF : 209051.4/5

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

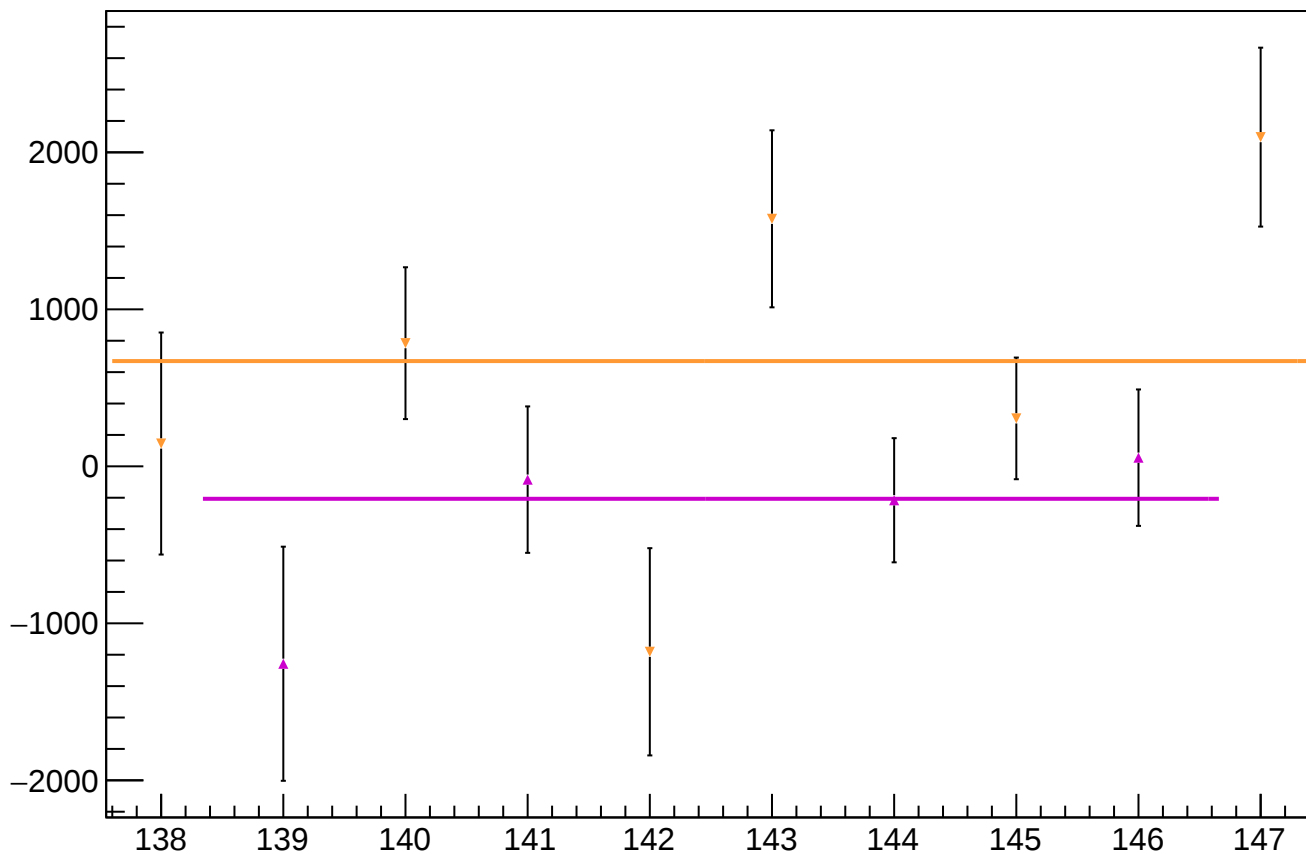
Left In: 44.939+/-0.018 χ^2/NDF : 74679.0/3

48.059+/-0.017 χ^2/NDF : 209051.4/5

46.582+/-0.012 χ^2/NDF : 299776.0/9

44.939+/-0.018 χ^2/NDF : 74679.0/3

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 670.386+/-215.877 χ^2/NDF : 18.2/5

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

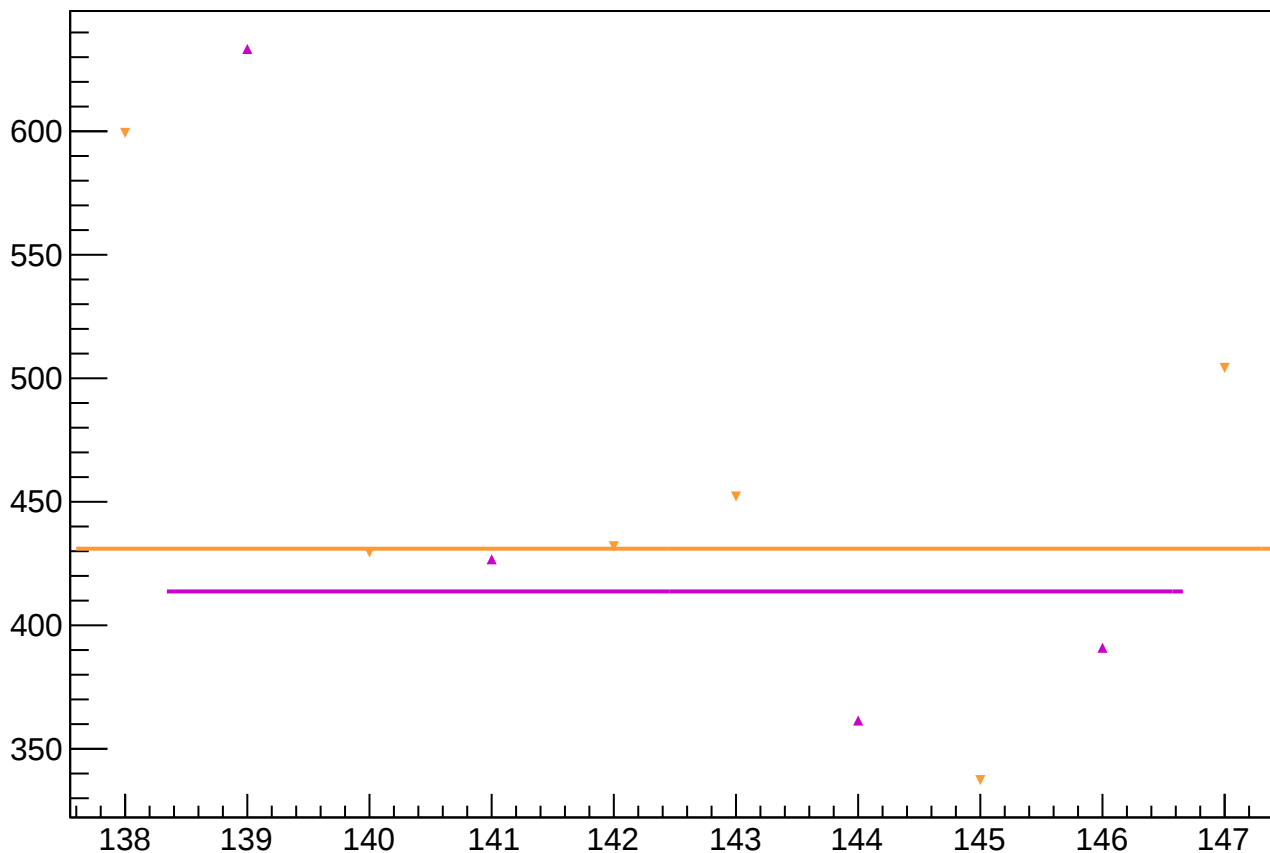
Left In: -206.779+/-235.144 χ^2/NDF : 2.4/3

670.386+/-215.877 χ^2/NDF : 18.2/5

269.208+/-159.024 χ^2/NDF : 28.2/9

-206.779+/-235.144 χ^2/NDF : 2.4/3

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 431.022+/-0.153 χ^2/NDF : 266069.9/5

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

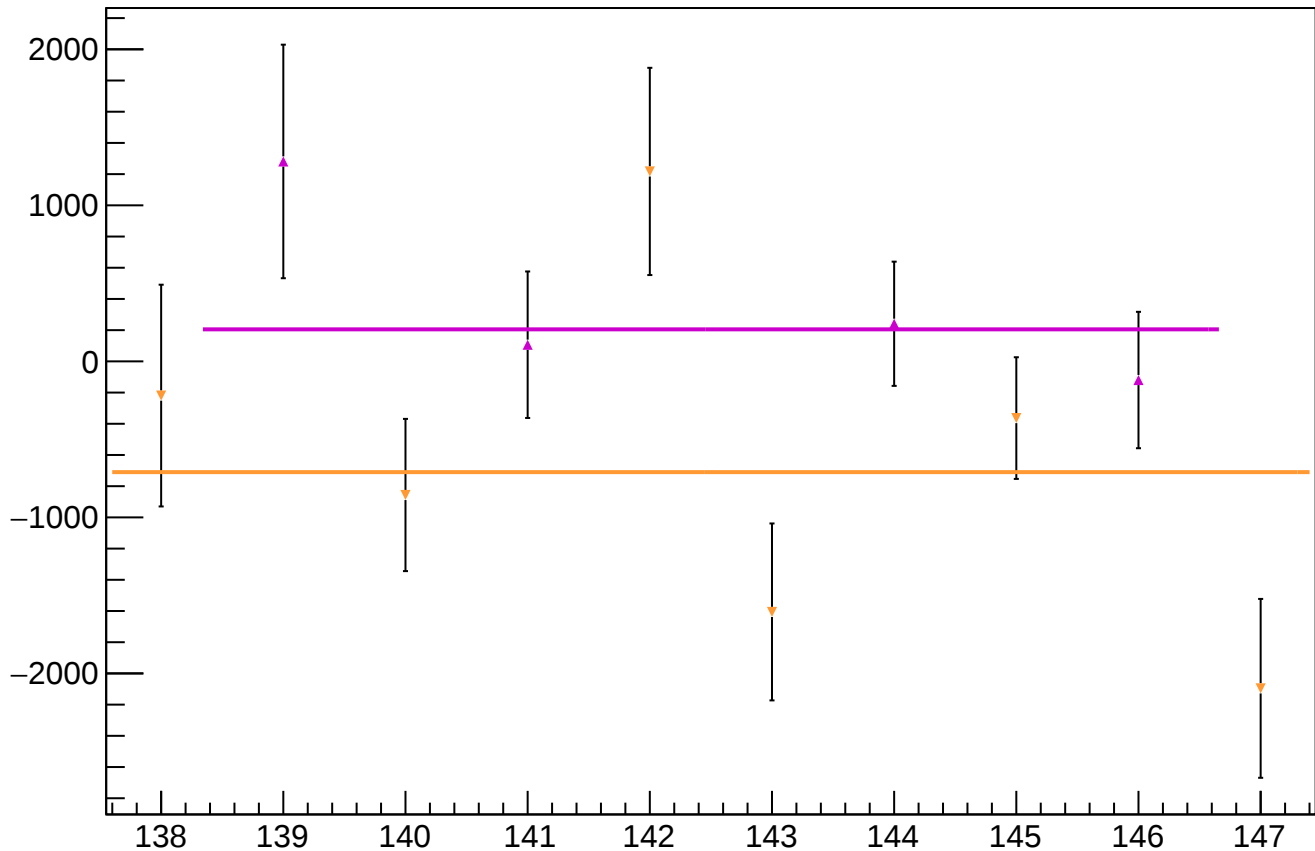
Left In: 413.711+/-0.166 χ^2/NDF : 215464.0/3

431.022+/-0.153 χ^2/NDF : 266069.9/5

423.105+/-0.112 χ^2/NDF : 487415.9/9

413.711+/-0.166 χ^2/NDF : 215464.0/3

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -709.932+/-217.275 χ^2/NDF : 18.1/5

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

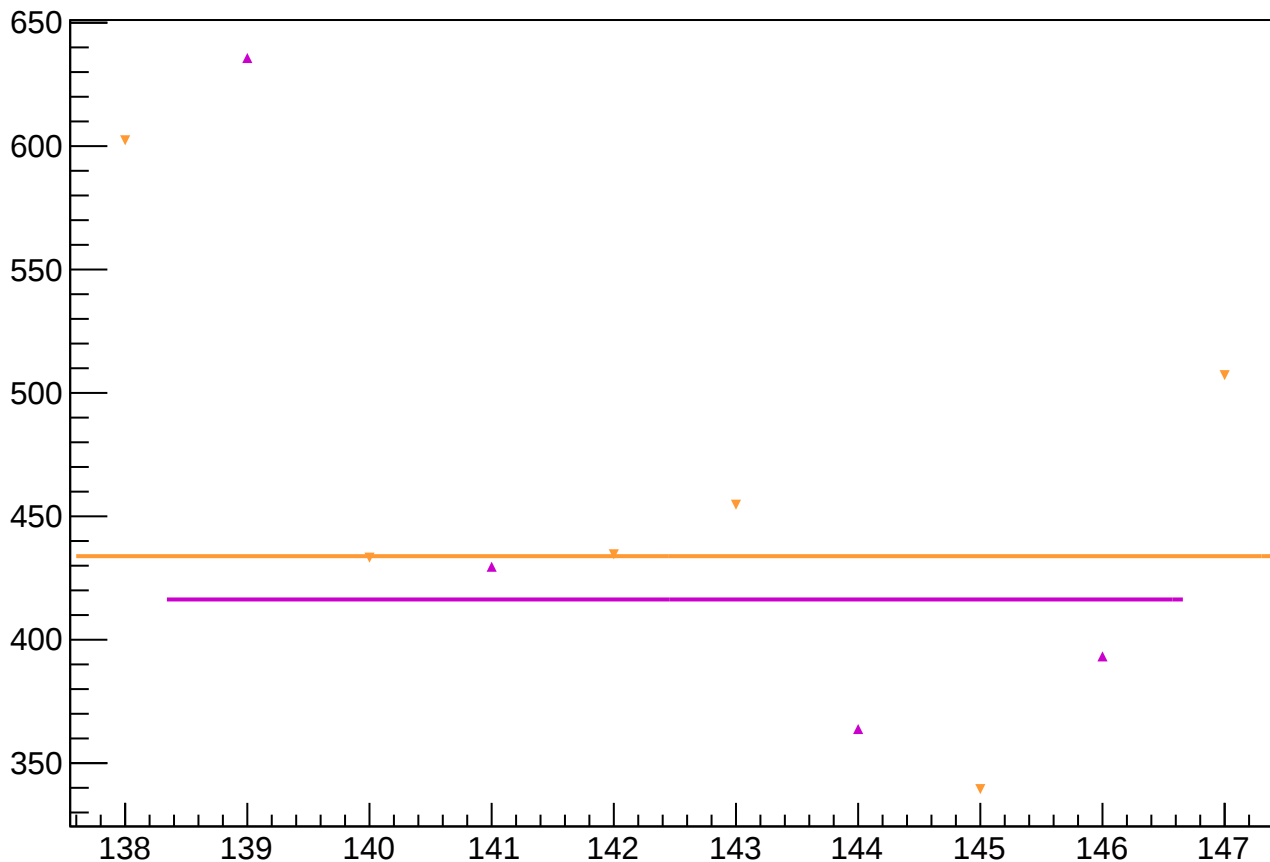
Left In: 205.174+/-236.585 χ^2/NDF : 2.7/3

-709.932+/-217.275 χ^2/NDF : 18.1/5

-291.244+/-160.028 χ^2/NDF : 28.9/9

205.174+/-236.585 χ^2/NDF : 2.7/3

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 433.859+/-0.154 χ^2/NDF : 265083.1/5

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

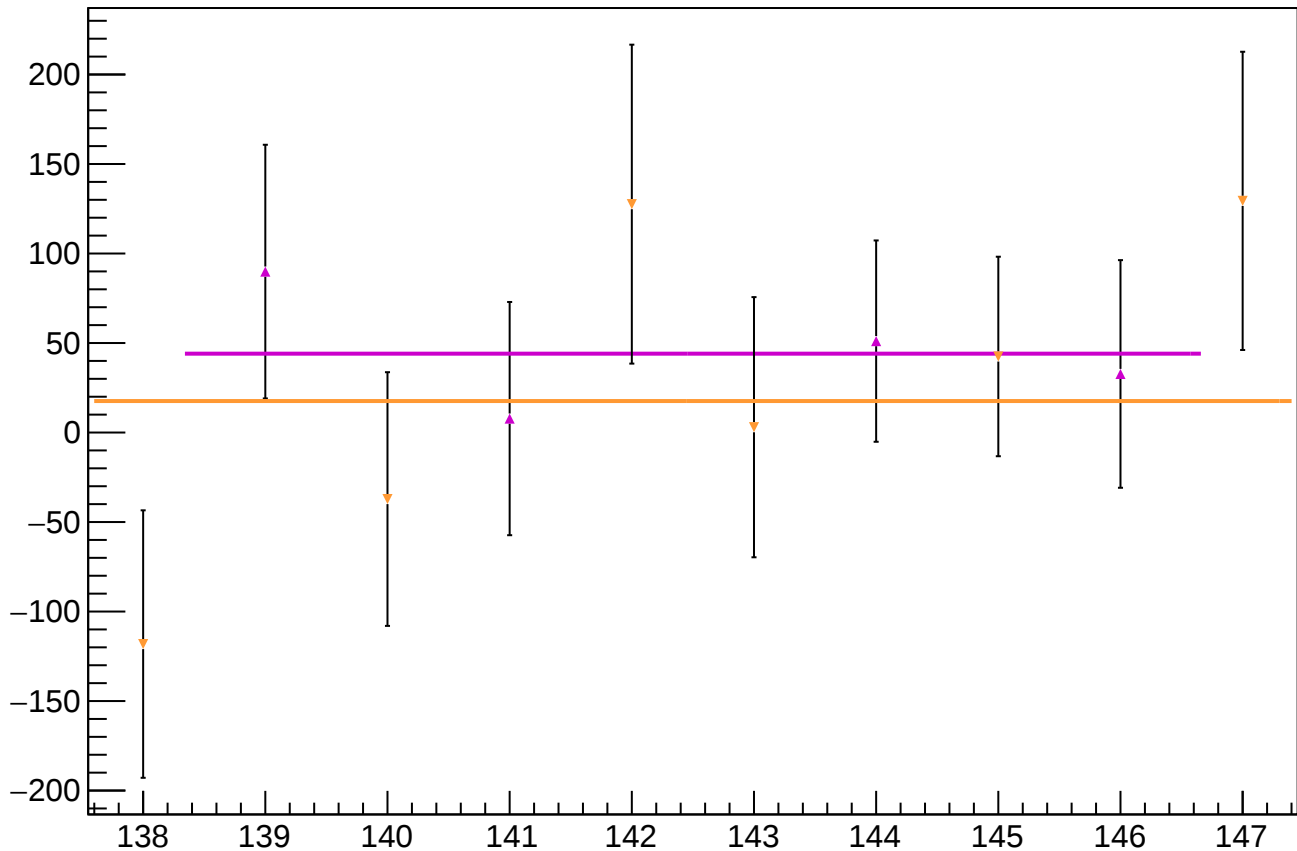
Left In: 416.315+/-0.167 χ^2/NDF : 213798.3/3

433.859+/-0.154 χ^2/NDF : 265083.1/5

425.832+/-0.113 χ^2/NDF : 484847.5/9

416.315+/-0.167 χ^2/NDF : 213798.3/3

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 17.588+/-29.363 χ^2/NDF : 7.5/5

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

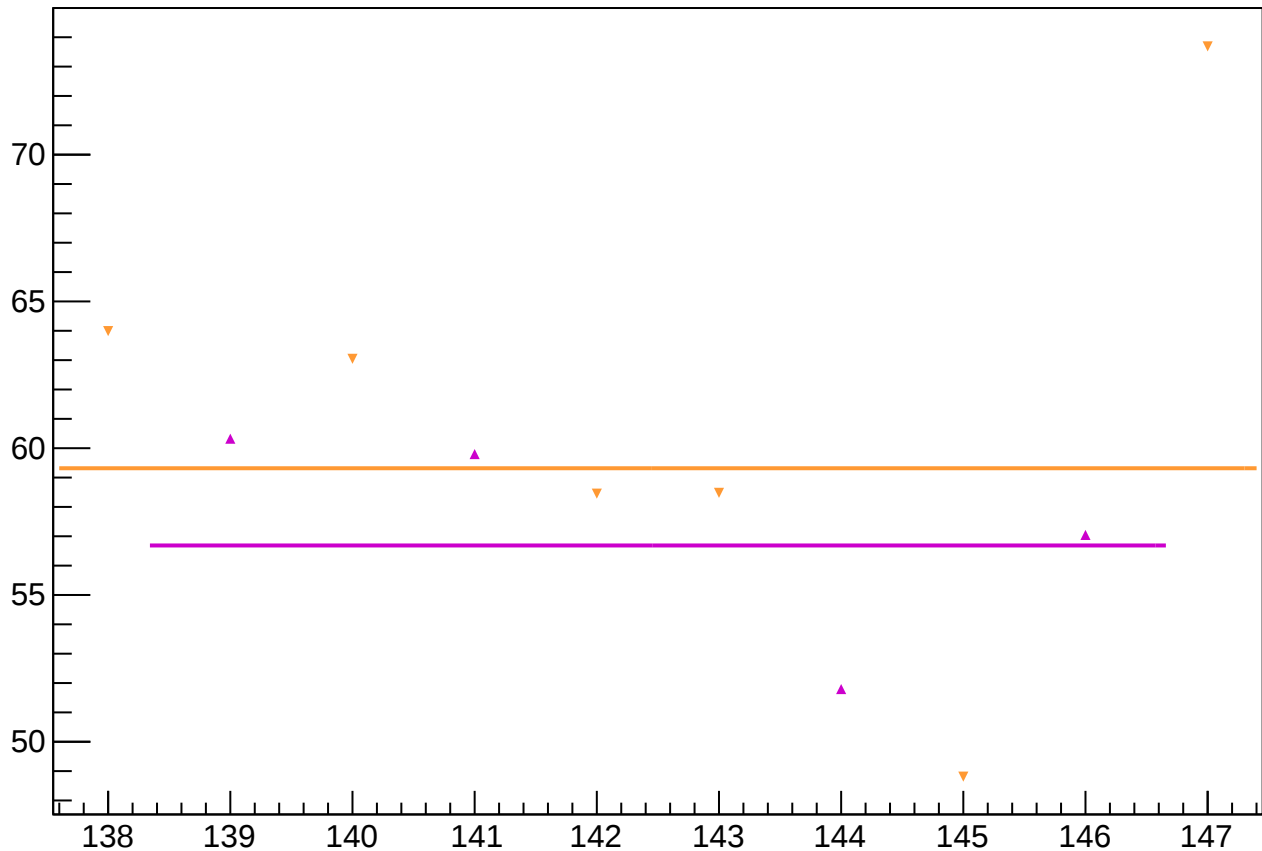
Left In: 44.052+/-31.647 χ^2/NDF : 0.8/3

17.588+/-29.363 χ^2/NDF : 7.5/5

29.831+/-21.525 χ^2/NDF : 8.6/9

44.052+/-31.647 χ^2/NDF : 0.8/3

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 59.317+/-0.021 χ^2/NDF : 144426.6/5

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

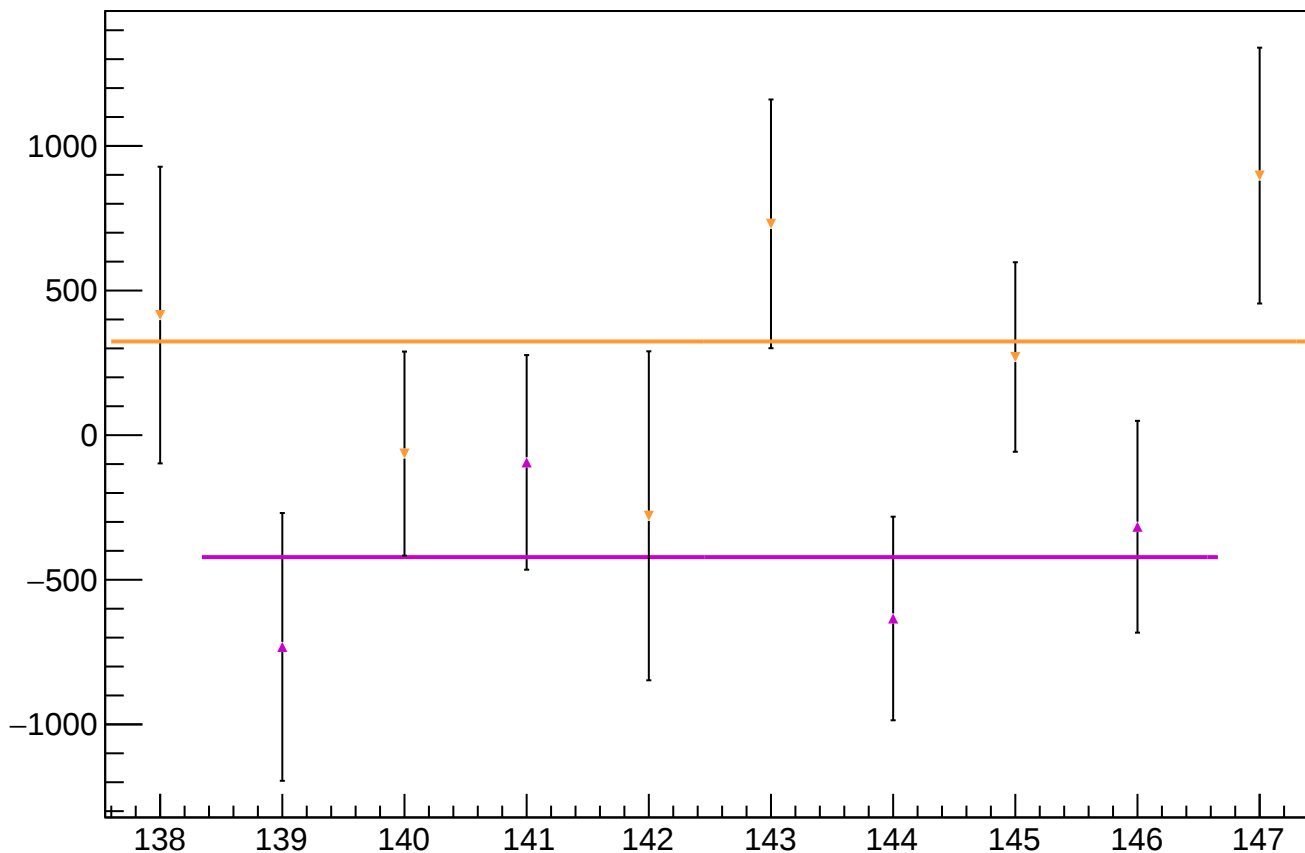
Left In: 56.687+/-0.022 χ^2/NDF : 25038.2/3

59.317+/-0.021 χ^2/NDF : 144426.6/5

58.100+/-0.015 χ^2/NDF : 176890.2/9

56.687+/-0.022 χ^2/NDF : 25038.2/3

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 323.928+/-169.589 χ^2/NDF : 5.0/5

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

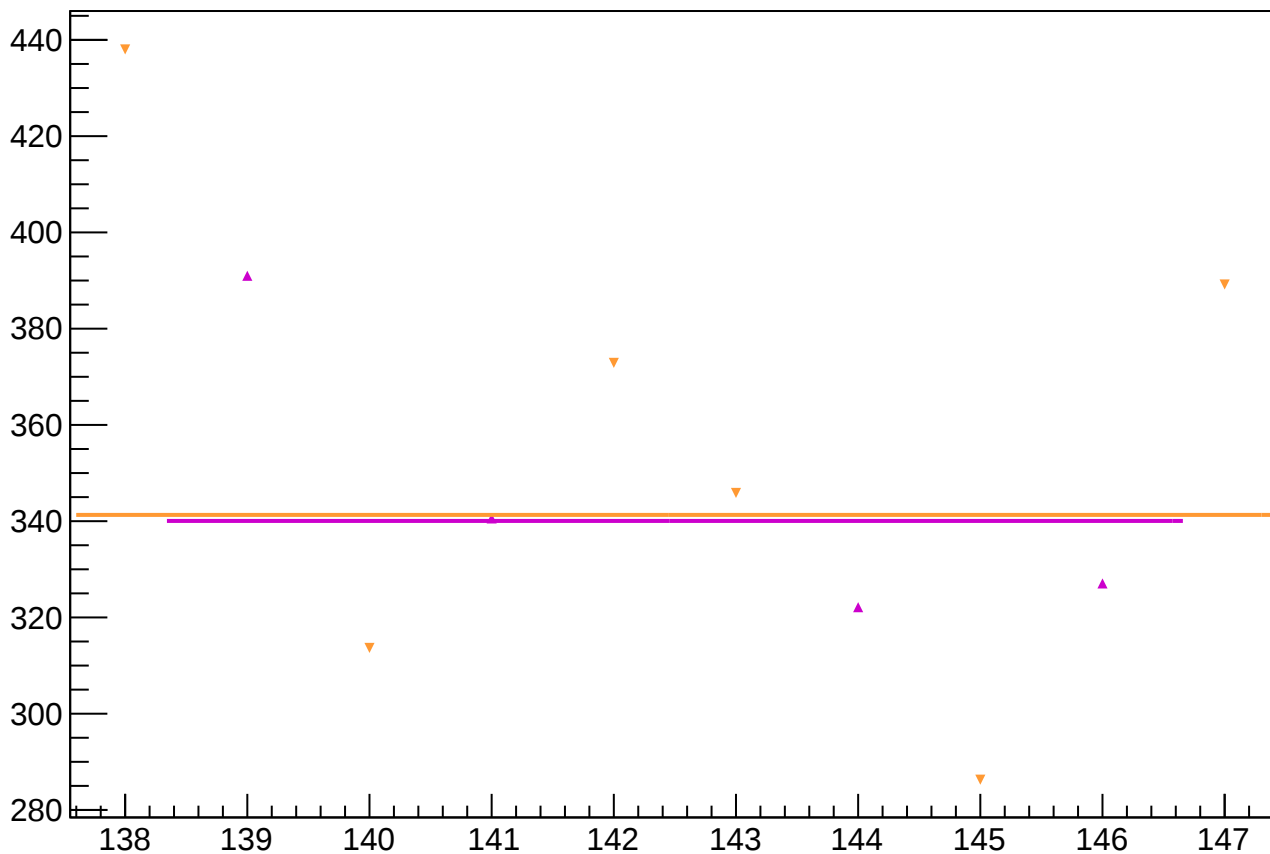
Left In: -421.641+/-190.828 χ^2/NDF : 1.7/3

323.928+/-169.589 χ^2/NDF : 5.0/5

-5.074+/-126.764 χ^2/NDF : 15.2/9

-421.641+/-190.828 χ^2/NDF : 1.7/3

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 341.306+/-0.120 χ^2/NDF :169636.4/5

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

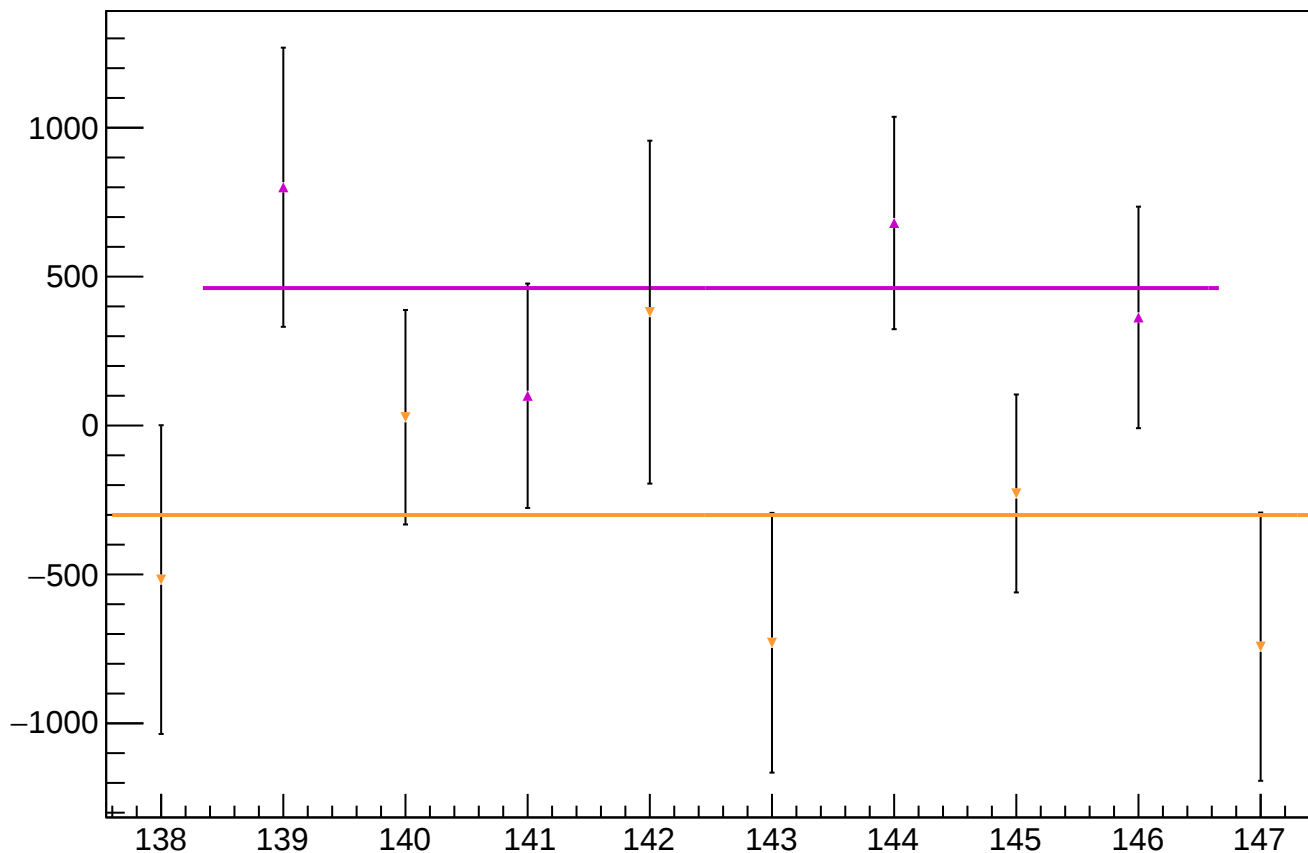
Left In: 340.052+/-0.135 χ^2/NDF :31924.5/3

341.306+/-0.120 χ^2/NDF : 169636.4/5

340.752+/-0.090 χ^2/NDF : 201609.2/9

340.052+/-0.135 χ^2/NDF : 31924.5/3

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -300.462+/-172.273 χ^2/NDF : 4.4/5

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

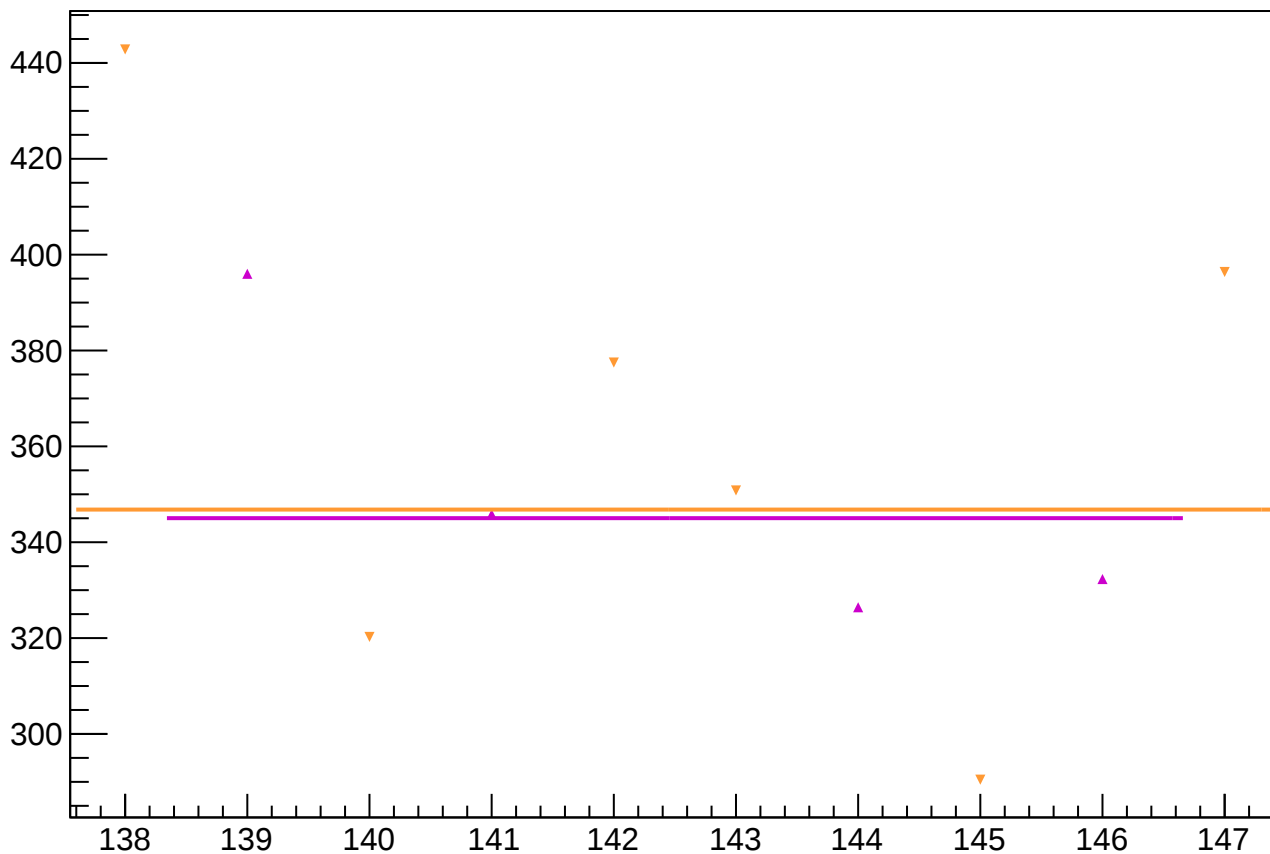
Left In: 461.606+/-193.564 χ^2/NDF : 1.9/3

-300.462+/-172.273 χ^2/NDF : 4.4/5

36.371+/-128.687 χ^2/NDF : 14.9/9

461.606+/-193.564 χ^2/NDF : 1.9/3

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 346.813+/-0.122 χ^2/NDF : 167079.0/5

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

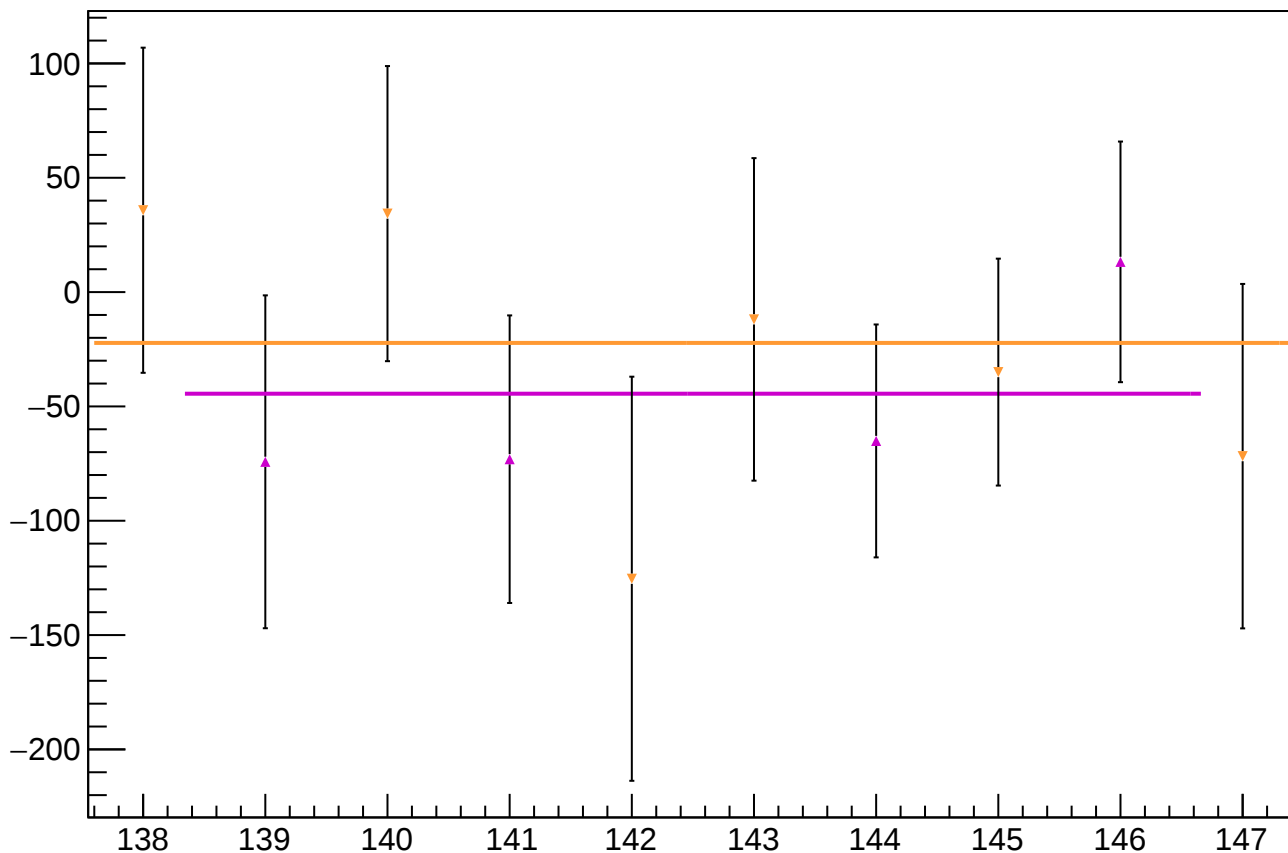
Left In: 345.022+/-0.137 χ^2/NDF : 31454.0/3

346.813+/-0.122 χ^2/NDF : 167079.0/5

346.021+/-0.091 χ^2/NDF : 198628.5/9

345.022+/-0.137 χ^2/NDF : 31454.0/3

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -22.225+/-27.222 χ^2/NDF : 3.3/5

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

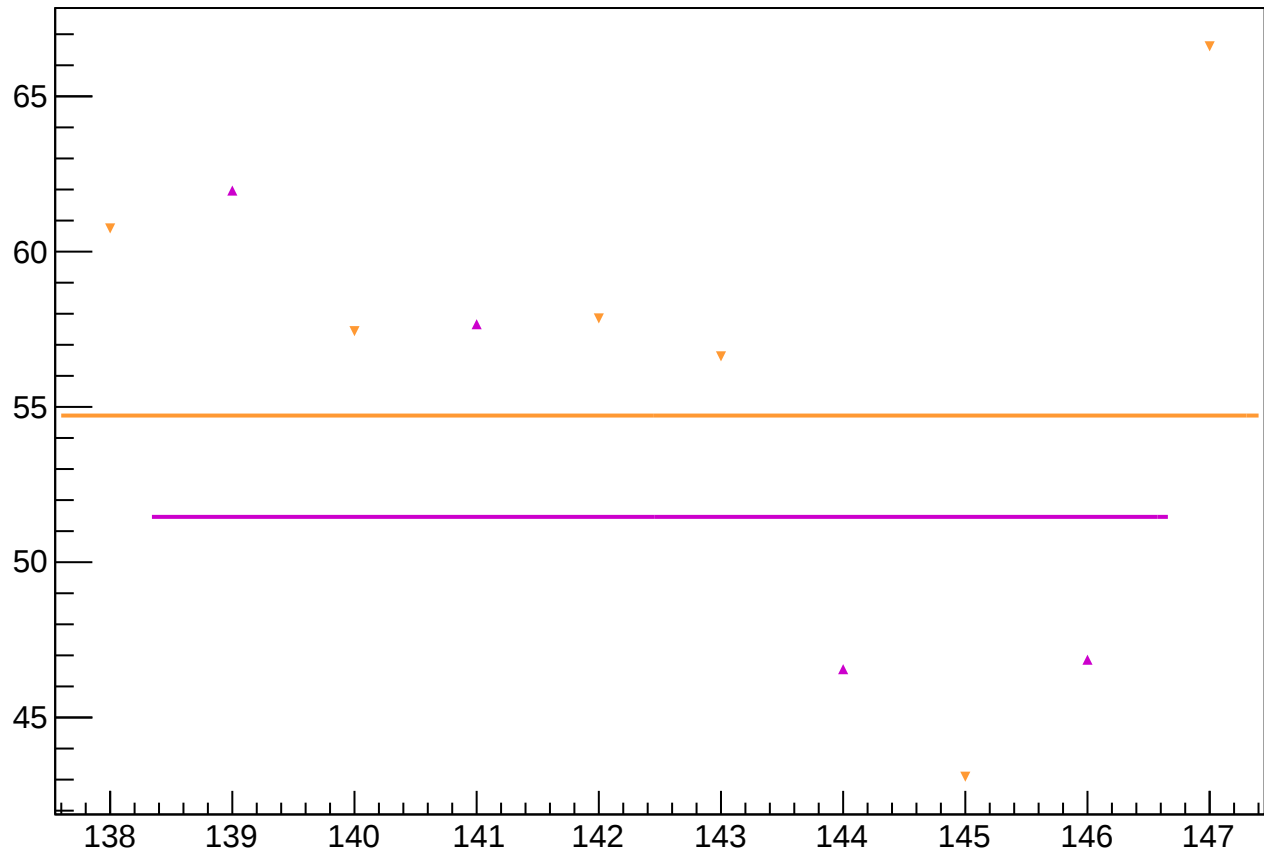
Left In: -44.440+/-29.010 χ^2/NDF : 1.7/3

-22.225+/-27.222 χ^2/NDF : 3.3/5

-32.627+/-19.851 χ^2/NDF : 5.4/9

-44.440+/-29.010 χ^2/NDF : 1.7/3

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.722+/-0.019 χ^2/NDF : 181546.3/5

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

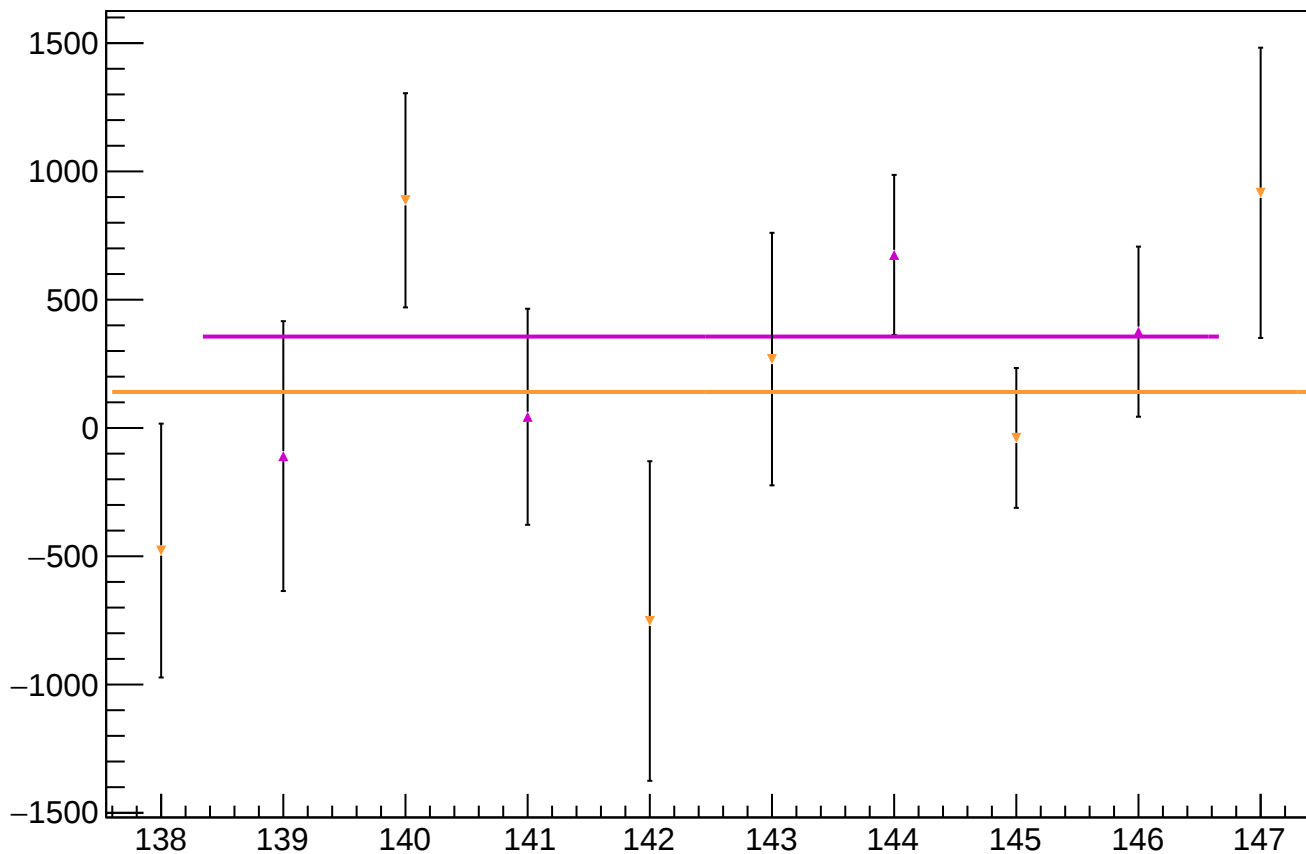
Left In: 51.460+/-0.021 χ^2/NDF : 94950.8/3

54.722+/-0.019 χ^2/NDF : 181546.3/5

53.194+/-0.014 χ^2/NDF : 289946.4/9

51.460+/-0.021 χ^2/NDF : 94950.8/3

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 140.405+/-173.758 χ^2/NDF : 9.2/5

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

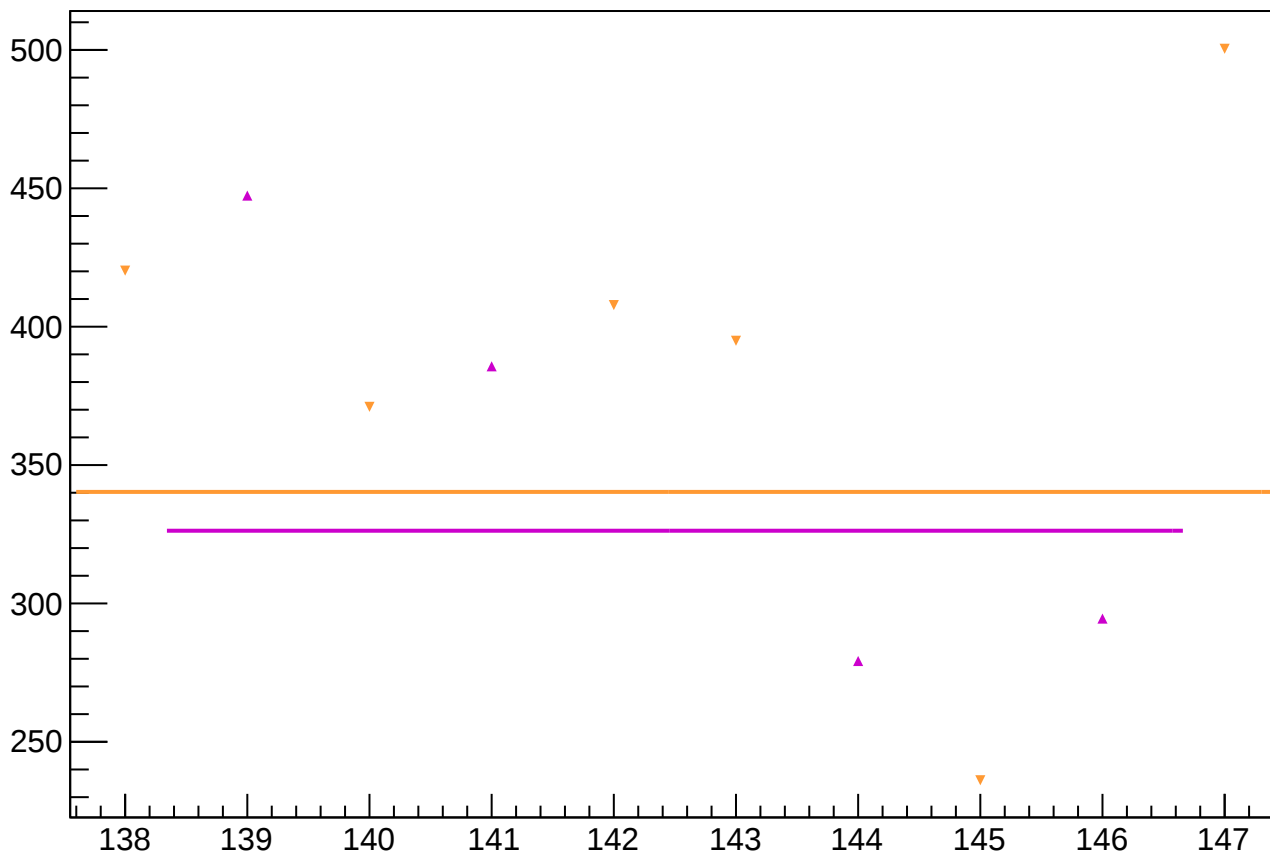
Left In: 356.269+/-186.862 χ^2/NDF : 2.4/3

140.405+/-173.758 χ^2/NDF : 9.2/5

240.503+/-127.246 χ^2/NDF : 12.3/9

356.269+/-186.862 χ^2/NDF : 2.4/3

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 340.302+/-0.123 χ^2/NDF : 563825.6/5

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

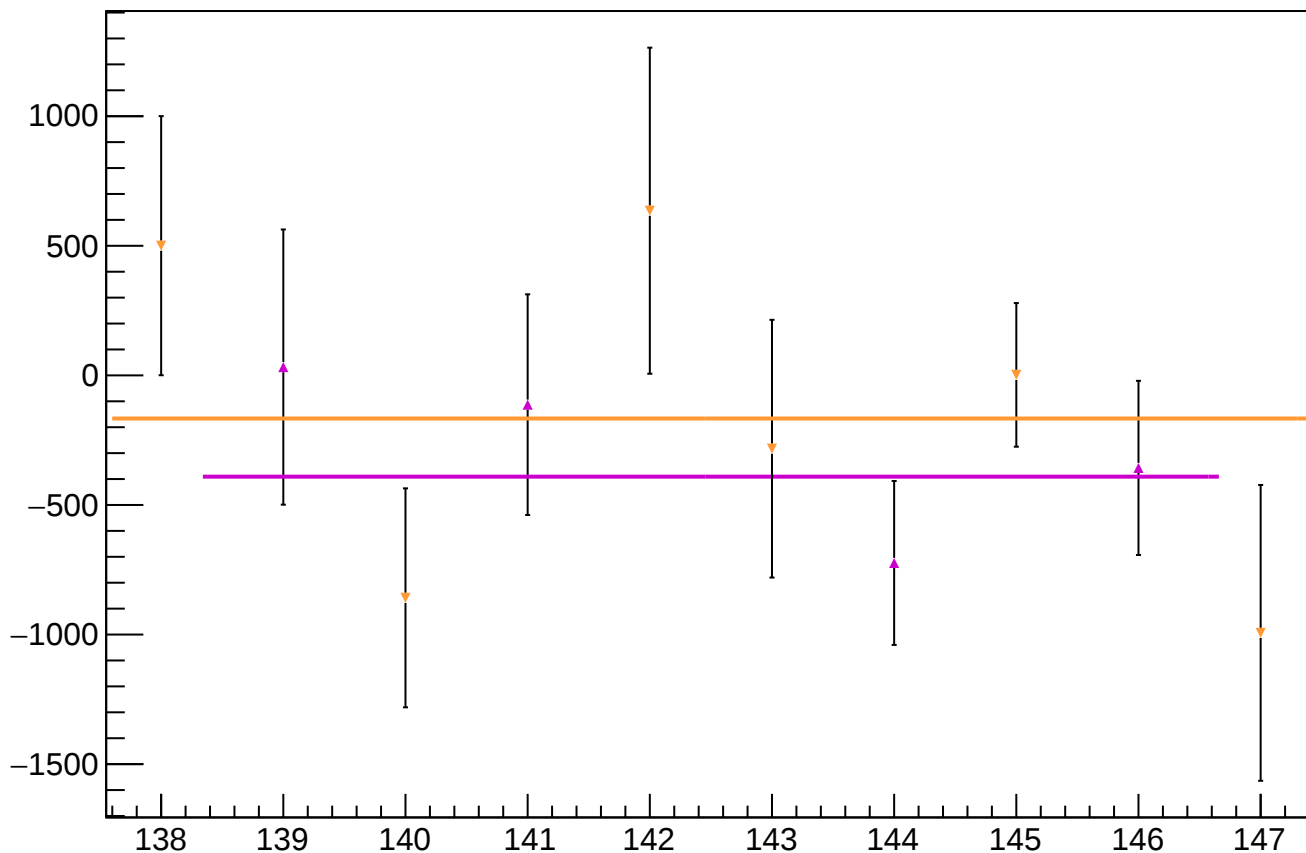
Left In: 326.274+/-0.132 χ^2/NDF : 209774.4/3

340.302+/-0.123 χ^2/NDF : 563825.6/5

333.797+/-0.090 χ^2/NDF : 779644.8/9

326.274+/-0.132 χ^2/NDF : 209774.4/3

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -166.437+/-176.038 χ^2/NDF : 8.6/5

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

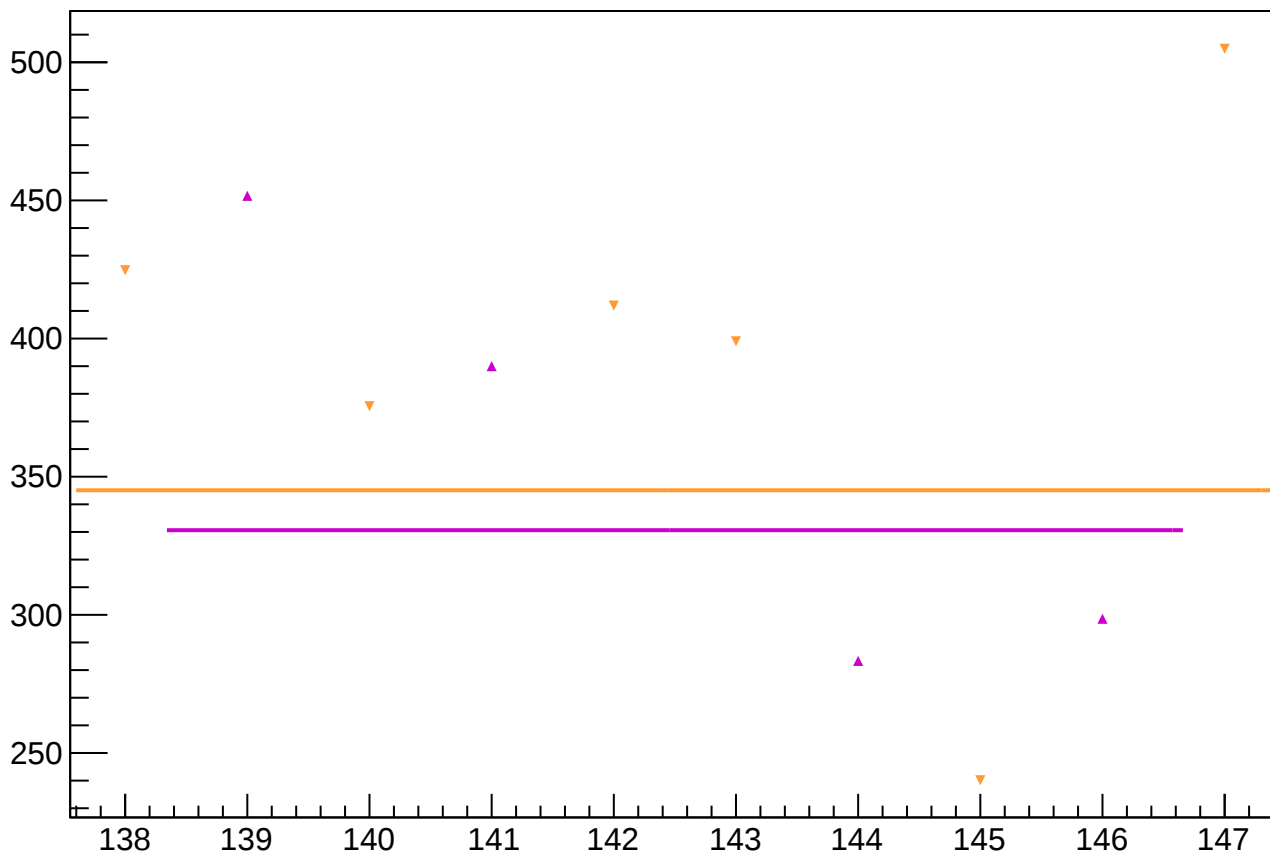
Left In: -390.768+/-189.251 χ^2/NDF : 2.2/3

-166.437+/-176.038 χ^2/NDF : 8.6/5

-270.499+/-128.896 χ^2/NDF : 11.5/9

-390.768+/-189.251 χ^2/NDF : 2.2/3

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 345.086+/-0.124 χ^2/NDF : 550891.5/5

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

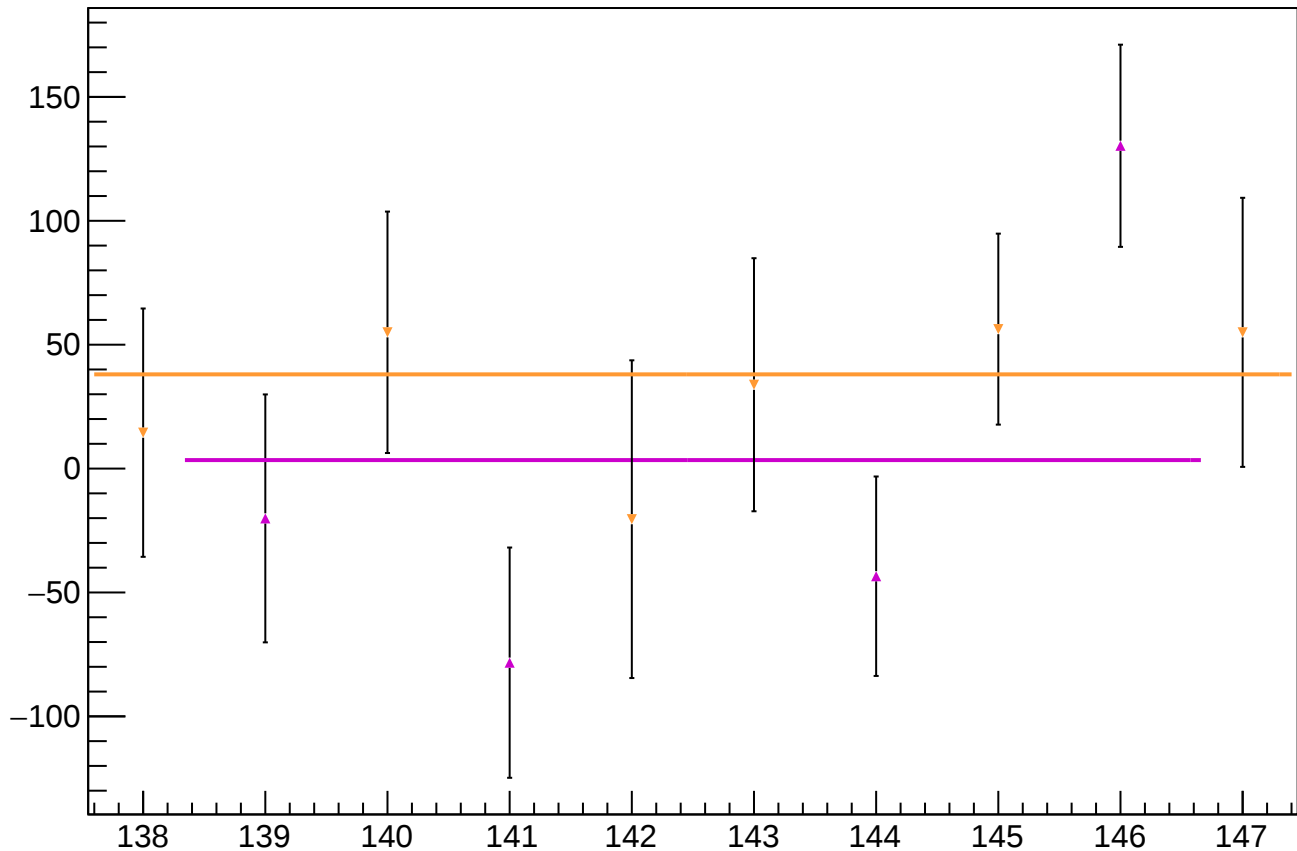
Left In: 330.634+/-0.134 χ^2/NDF : 205768.2/3

345.086+/-0.124 χ^2/NDF : 550891.5/5

338.382+/-0.091 χ^2/NDF : 762912.1/9

330.634+/-0.134 χ^2/NDF : 205768.2/3

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 38.028+/-20.167 χ^2/NDF : 1.5/5

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

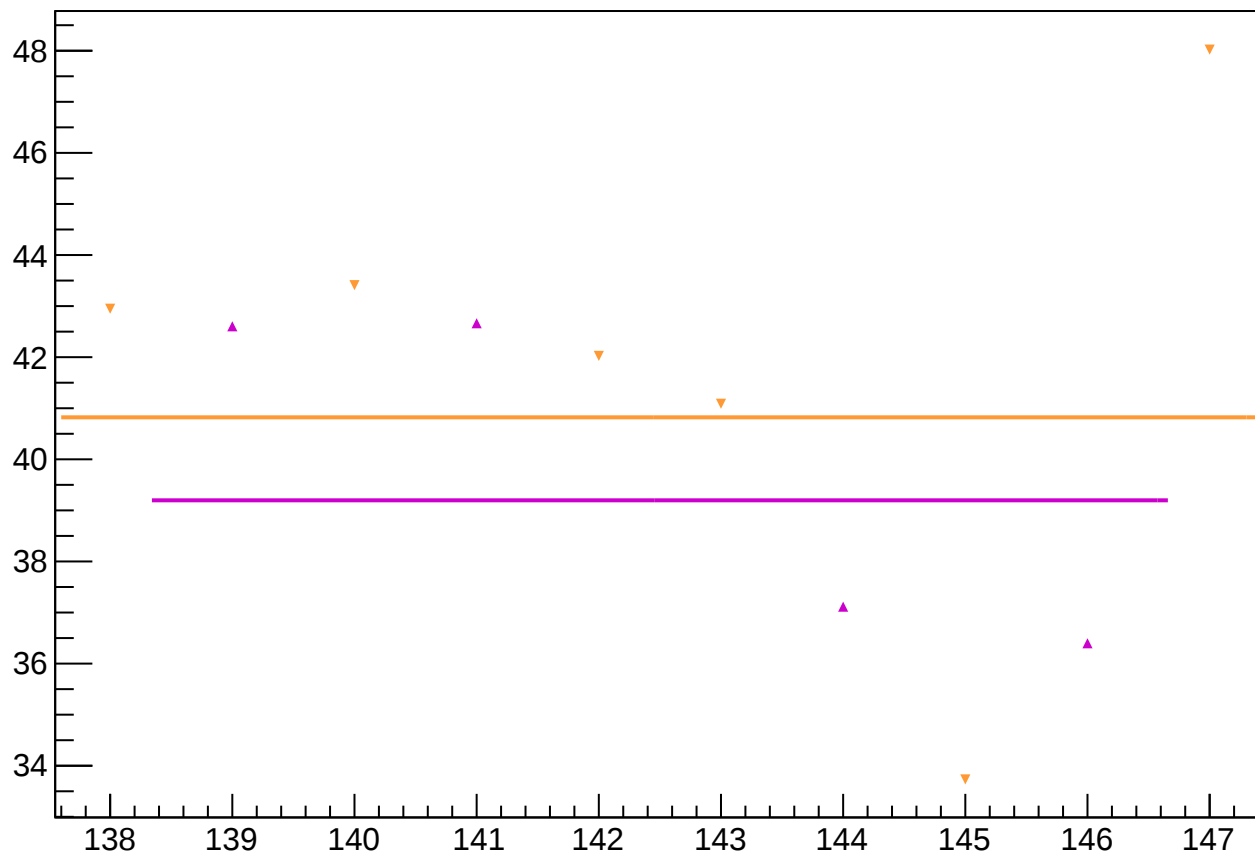
Left In: 3.430+/-21.923 χ^2/NDF : 14.3/3

38.028+/-20.167 χ^2/NDF : 1.5/5

22.170+/-14.842 χ^2/NDF : 17.2/9

3.430+/-21.923 χ^2/NDF : 14.3/3

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 40.822+/-0.014 χ^2/NDF : 112853.3/5

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

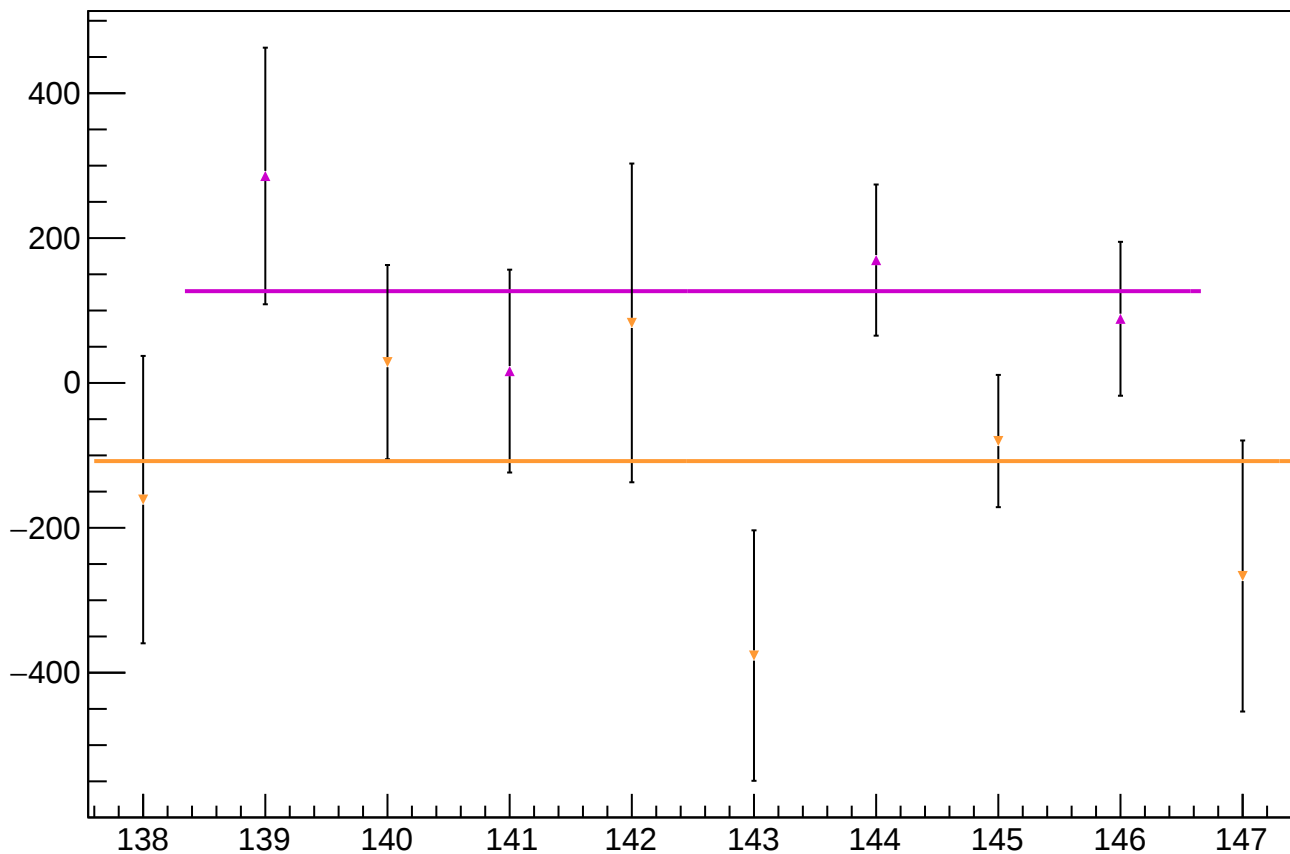
Left In: 39.197+/-0.016 χ^2/NDF : 35175.8/3

40.822+/-0.014 χ^2/NDF : 112853.3/5

40.077+/-0.010 χ^2/NDF : 153981.8/9

39.197+/-0.016 χ^2/NDF : 35175.8/3

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -107.885+/-59.373 χ^2/NDF : 5.1/5

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

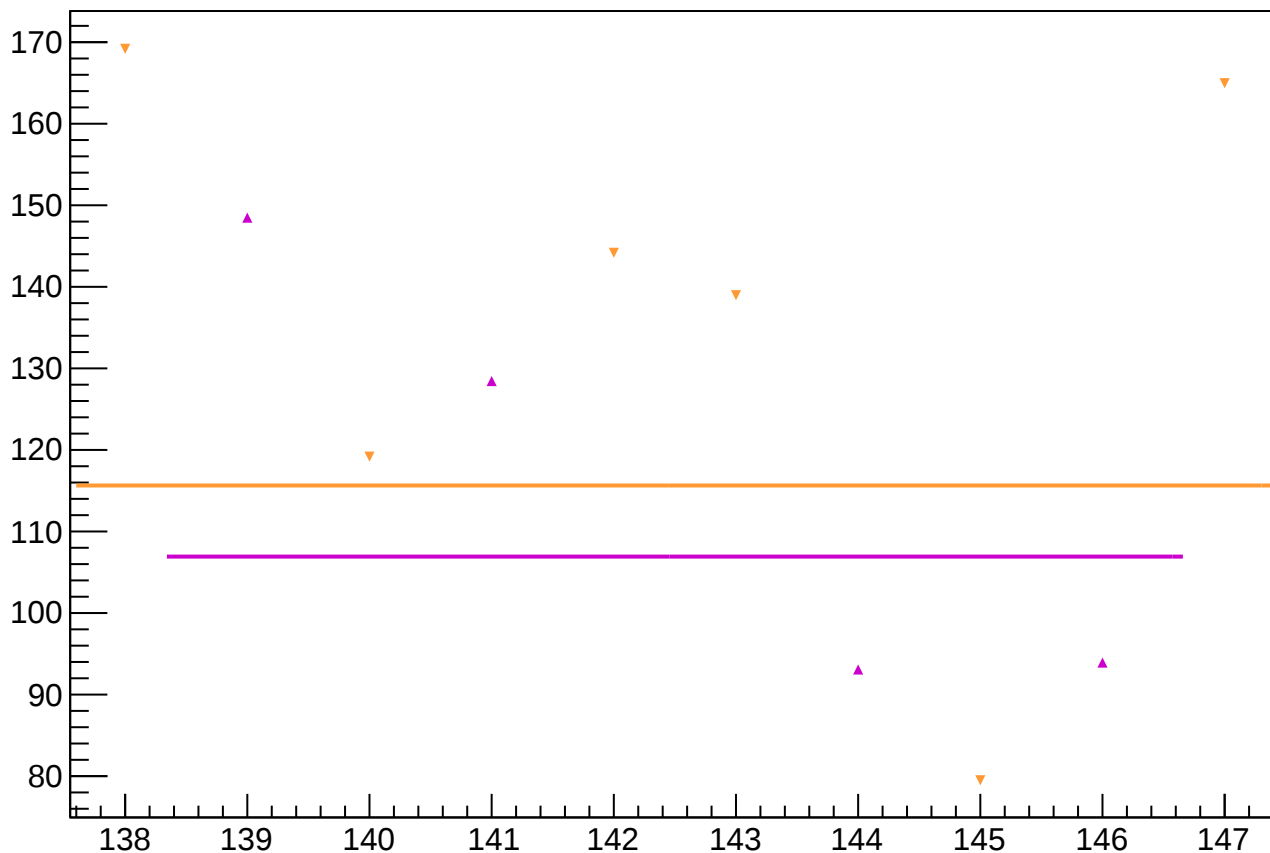
Left In: 126.730+/-61.626 χ^2/NDF : 1.7/3

-107.885+/-59.373 χ^2/NDF : 5.1/5

5.056+/-42.757 χ^2/NDF : 14.3/9

126.730+/-61.626 χ^2/NDF : 1.7/3

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 115.640+/-0.042 χ^2/NDF : 669683.5/5

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

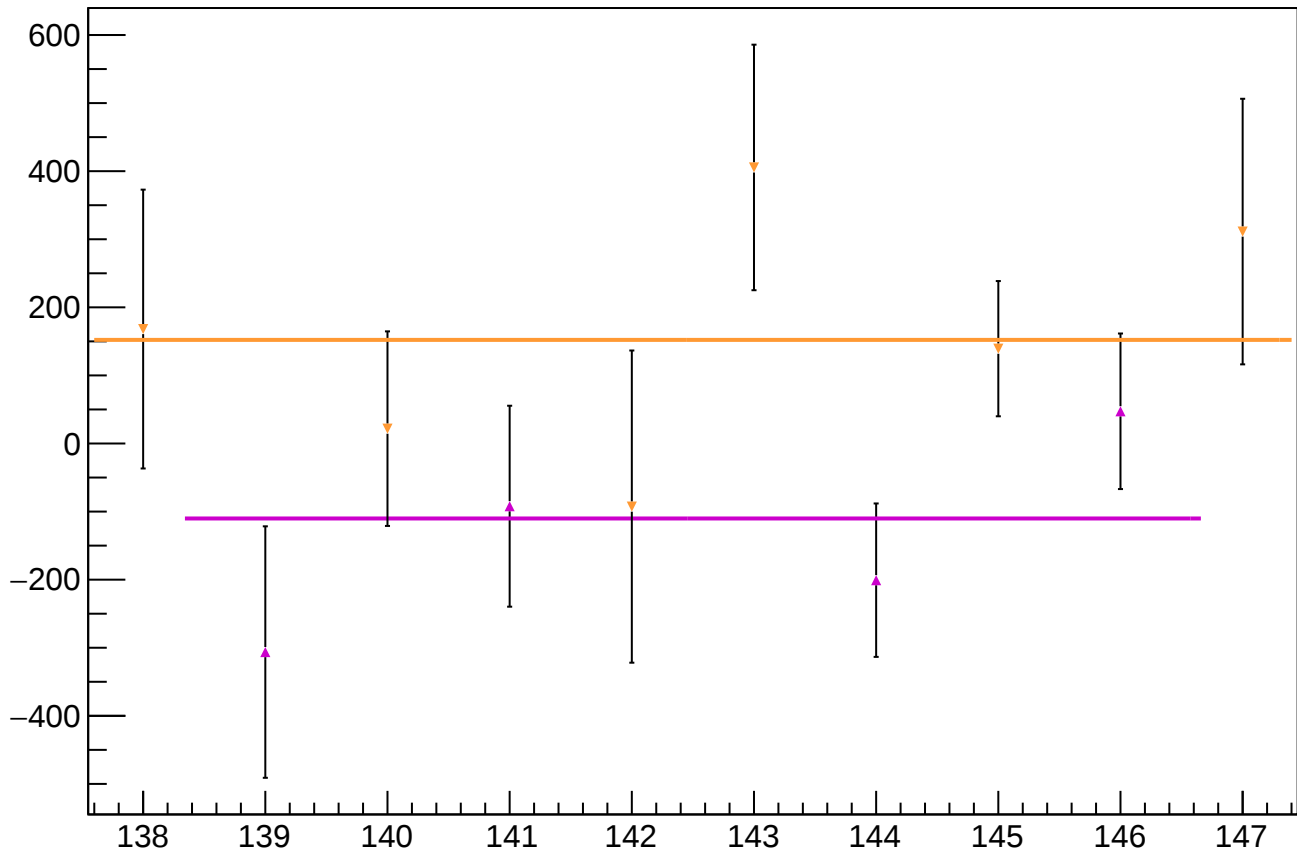
Left In: 106.920+/-0.044 χ^2/NDF : 222506.6/3

115.640+/-0.042 χ^2/NDF : 669683.5/5

111.442+/-0.030 χ^2/NDF : 912956.7/9

106.920+/-0.044 χ^2/NDF : 222506.6/3

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 152.185+/-63.215 χ^2/NDF : 4.6/5

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

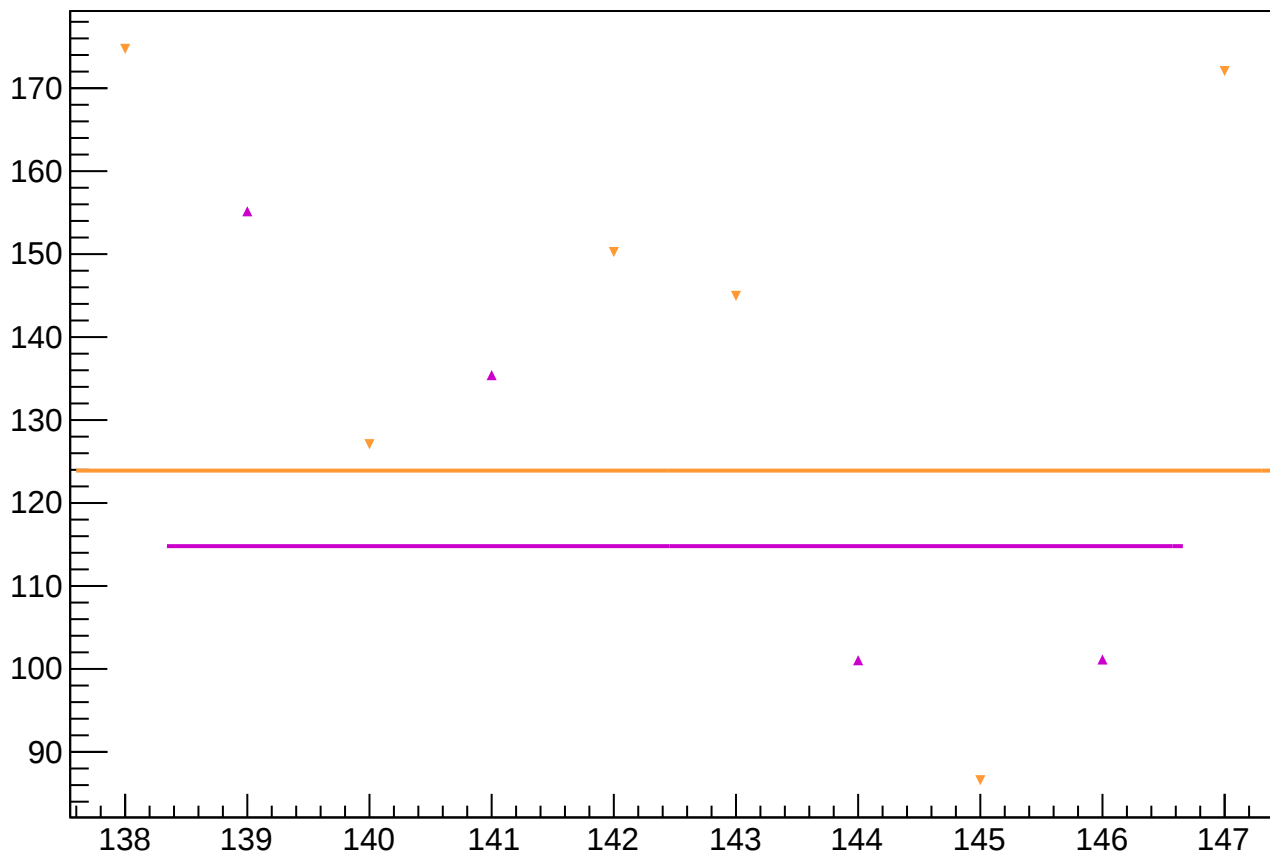
Left In: -110.132+/-65.852 χ^2/NDF : 3.7/3

152.185+/-63.215 χ^2/NDF : 4.6/5

26.383+/-45.603 χ^2/NDF : 16.6/9

-110.132+/-65.852 χ^2/NDF : 3.7/3

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 123.907+/-0.045 χ^2/NDF : 582180.1/5

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

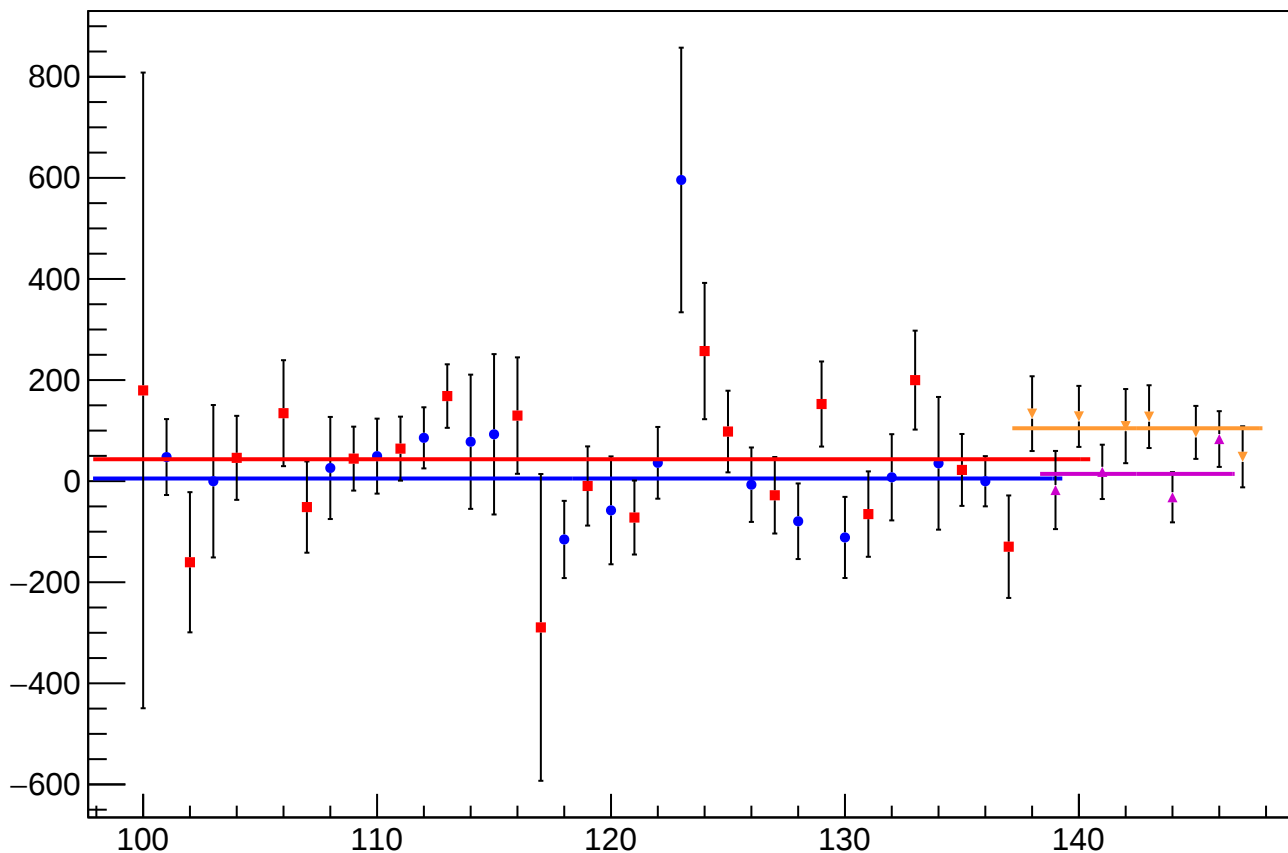
Left In: 114.801+/-0.047 χ^2/NDF : 192919.9/3

123.907+/-0.045 χ^2/NDF : 582180.1/5

119.540+/-0.032 χ^2/NDF : 795001.2/9

114.801+/-0.047 χ^2/NDF : 192919.9/3

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 104.635 ± 25.477 χ^2/NDF : 1.3/5

Right Out: 43.354 ± 19.371 χ^2/NDF : 25.6/19

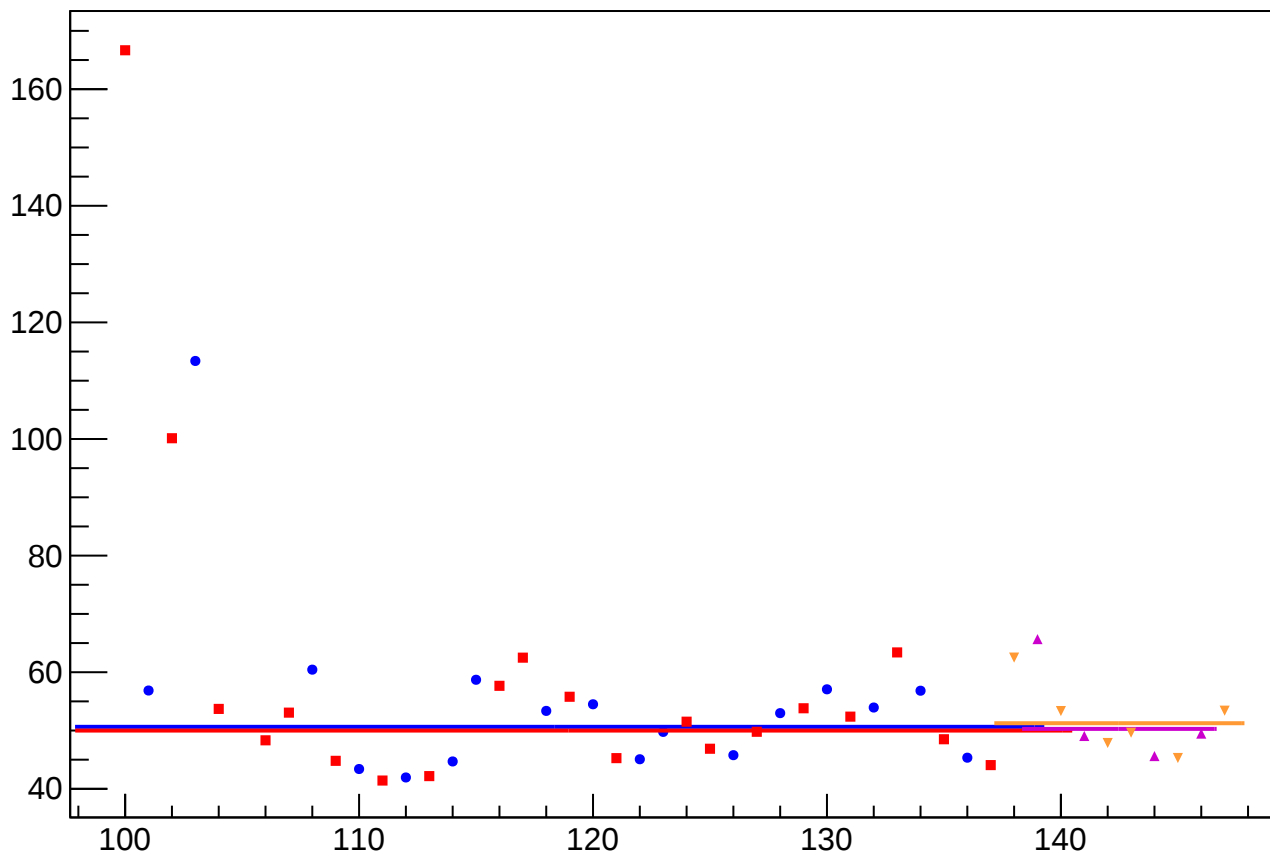
Left In: 14.365 ± 28.309 χ^2/NDF : 2.6/3

43.477 ± 15.805 χ^2/NDF : 25.4/22

38.847 ± 11.239 χ^2/NDF : 54.5/46

34.109 ± 15.986 χ^2/NDF : 28.9/23

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 51.253 $\pm$ 0.018 χ^2 /NDF: 82758.4/5

Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

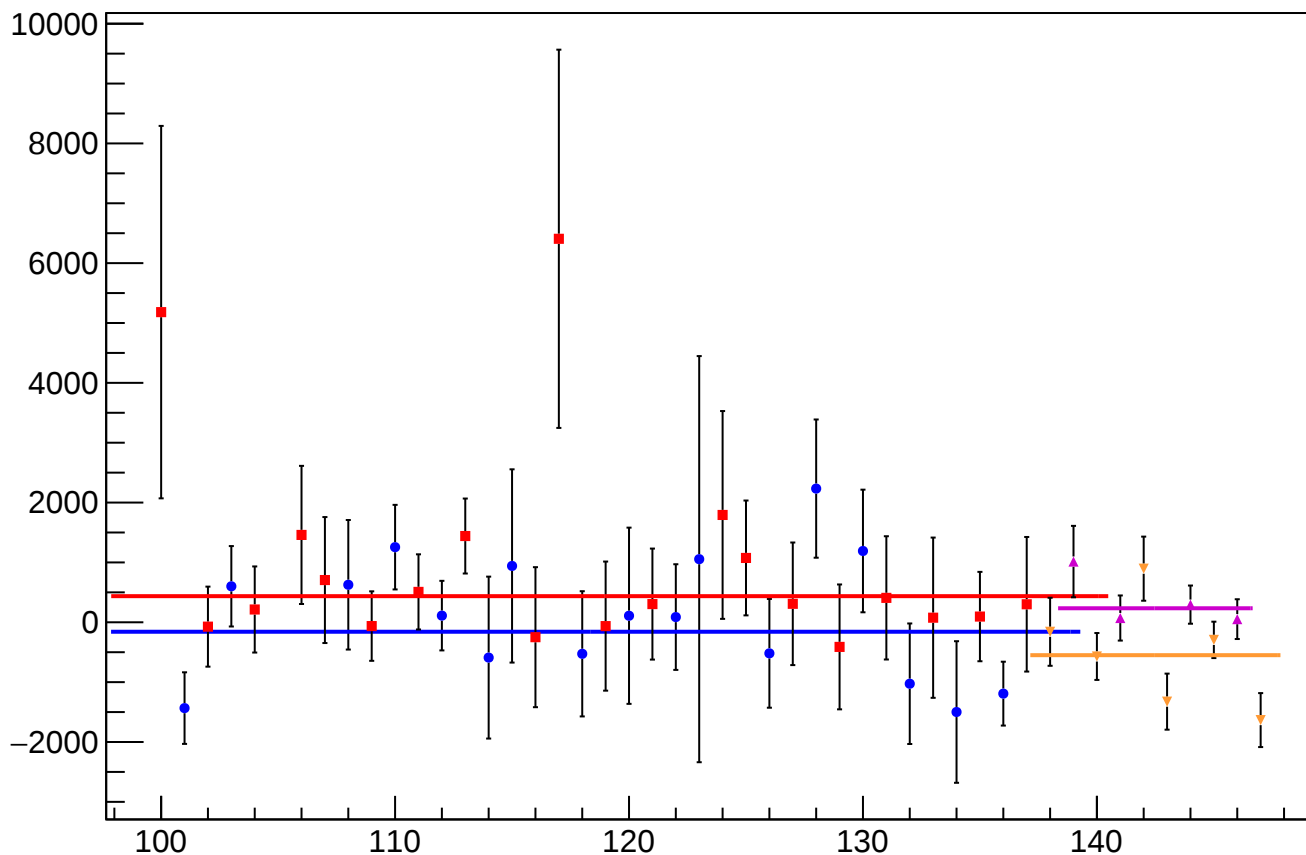
Left In: 50.280 $\pm$ 0.020 χ^2 /NDF: 98381.4/3

50.873 $\pm$ 0.011 χ^2 /NDF: 603169.0/22

50.483 $\pm$ 0.008 χ^2 /NDF: 1208041.2/46

50.085 $\pm$ 0.011 χ^2 /NDF: 602418.9/23

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -549.541+/-173.007 χ^2/NDF : 17.0/5

Right Out: 436.410+/-203.212 χ^2/NDF : 13.4/19

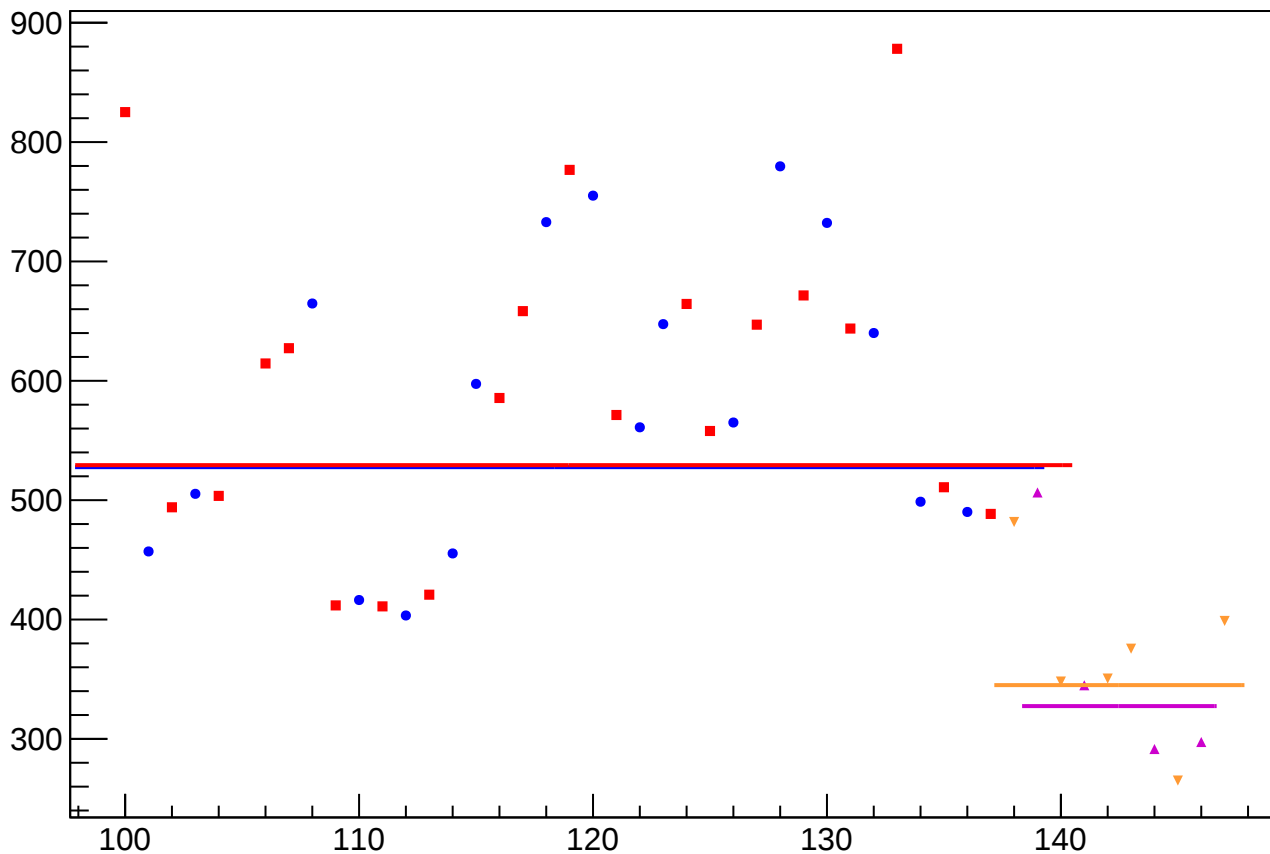
Left In: 234.136+/-186.519 χ^2/NDF : 2.2/3

-391.402+/-133.575 χ^2/NDF : 42.5/22

-42.552+/-95.780 χ^2/NDF : 72.7/46

326.625+/-137.412 χ^2/NDF : 16.1/23

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 345.055 $\pm$ 0.122 χ^2 /NDF: 291362.2/5

Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

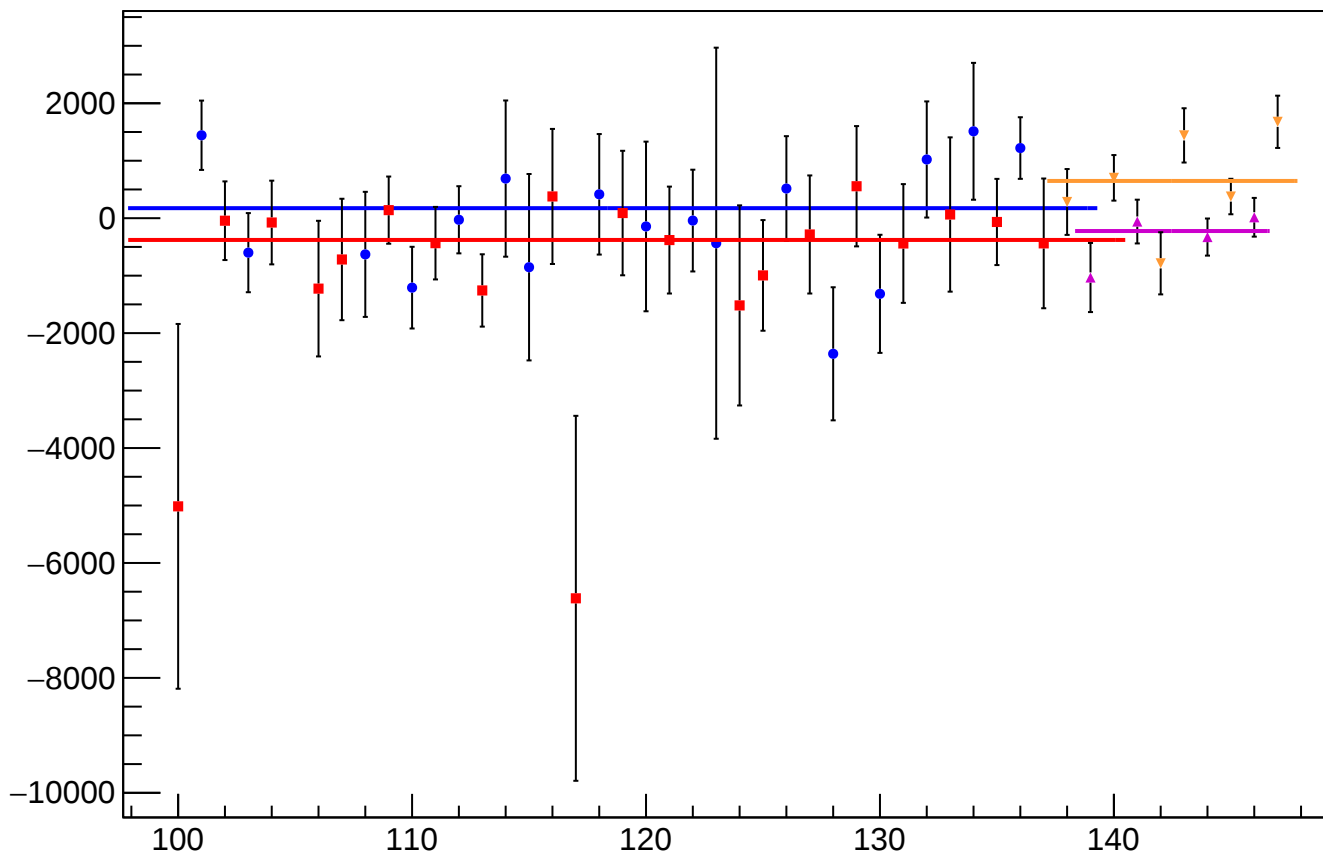
Left In: 327.475 $\pm$ 0.132 χ^2 /NDF: 226219.1/3

418.809 $\pm$ 0.094 χ^2 /NDF: 1748721.1/22

419.280 $\pm$ 0.068 χ^2 /NDF: 3672895.1/46

419.778 $\pm$ 0.097 χ^2 /NDF: 1924122.8/23

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 648.302 $\pm$ 175.024 χ^2 /NDF:16.2/5

Right Out: -378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

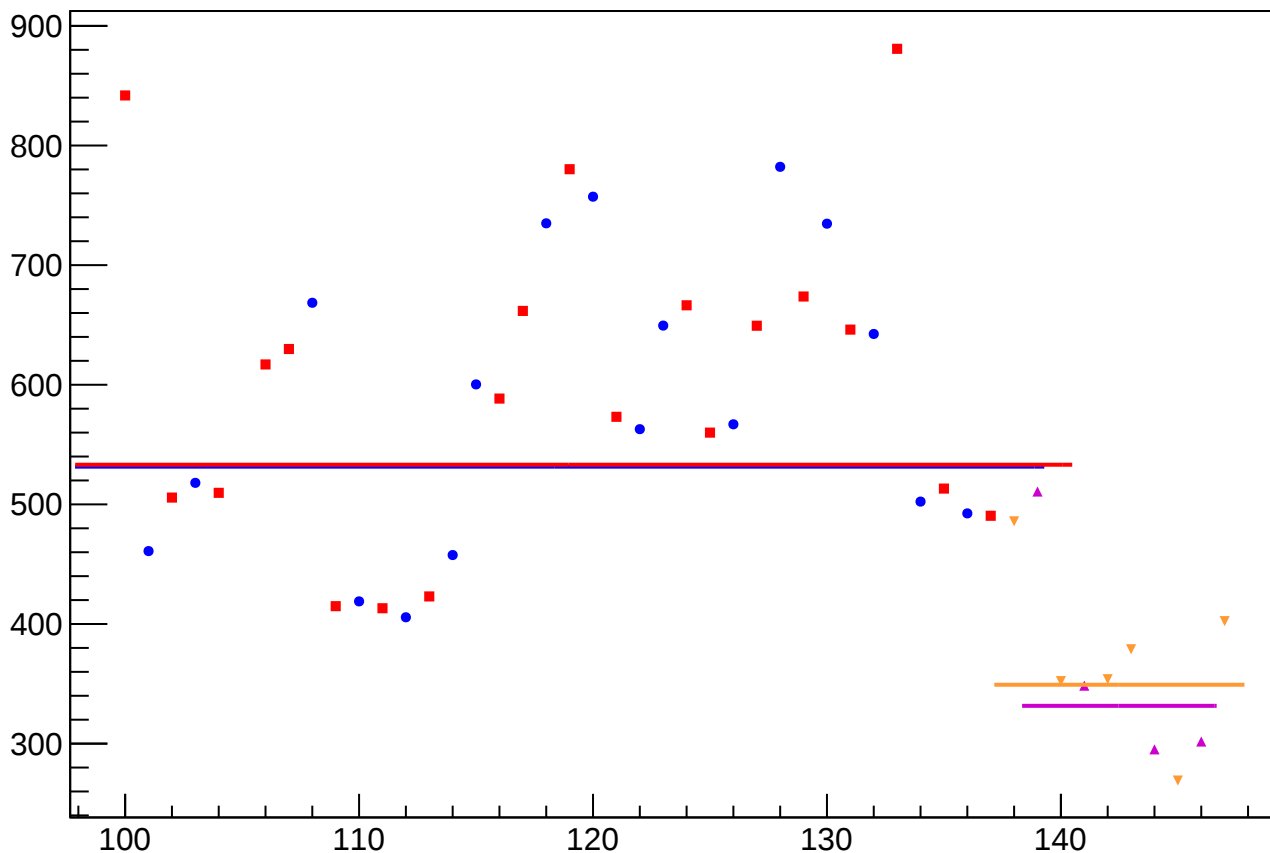
Left In: -223.312 $\pm$ 188.786 χ^2 /NDF:2.6/3

455.937 $\pm$ 134.883 χ^2 /NDF: 42.8/22

91.383 $\pm$ 96.732 χ^2 /NDF: 73.1/46

-294.662 $\pm$ 138.801 χ^2 /NDF: 15.2/23

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2/NDF : 550087.6/16

Left Out: 349.223 $\pm$ 0.124 χ^2/NDF : 283788.3/5

Right Out: 533.157 $\pm$ 0.145 χ^2/NDF : 619038.4/19

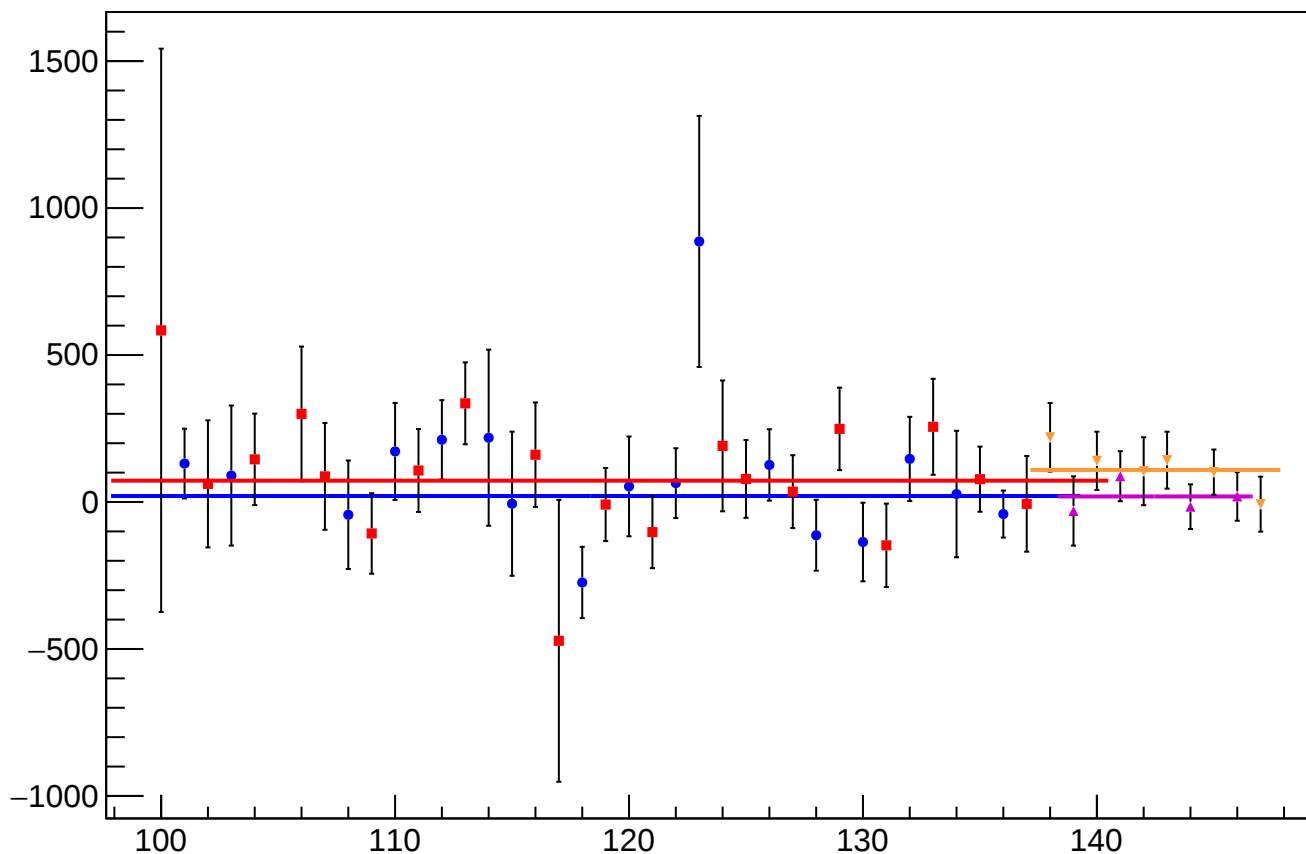
Left In: 331.594 $\pm$ 0.133 χ^2/NDF : 222416.0/3

423.267 $\pm$ 0.095 χ^2/NDF : 1715295.6/22

423.720 $\pm$ 0.068 χ^2/NDF : 3604256.4/46

424.200 $\pm$ 0.098 χ^2/NDF : 1888914.3/23

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 109.062 $\pm$ 39.524 χ^2 /NDF: 2.7/5

Right Out: 72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

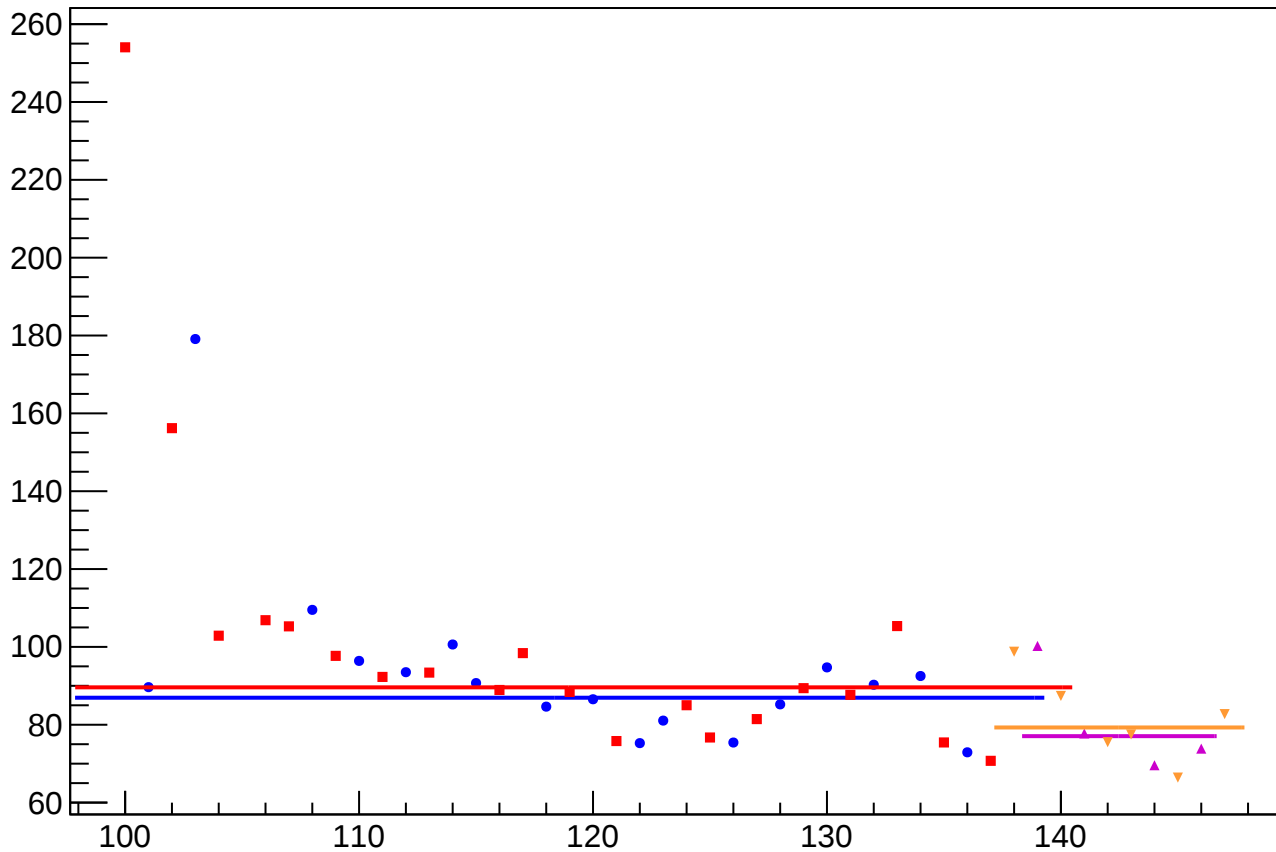
Left In: 18.865 $\pm$ 43.466 χ^2 /NDF: 1.0/3

58.869 $\pm$ 26.027 χ^2 /NDF: 24.8/22

55.451 $\pm$ 18.763 χ^2 /NDF: 43.5/46

51.753 $\pm$ 27.074 χ^2 /NDF: 18.7/23

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 ± 0.024 $\chi^2/\text{NDF}: 455809.4/16$

Left Out: 79.299 ± 0.028 $\chi^2/\text{NDF}: 130627.8/5$

Right Out: 89.607 ± 0.024 $\chi^2/\text{NDF}: 431905.8/19$

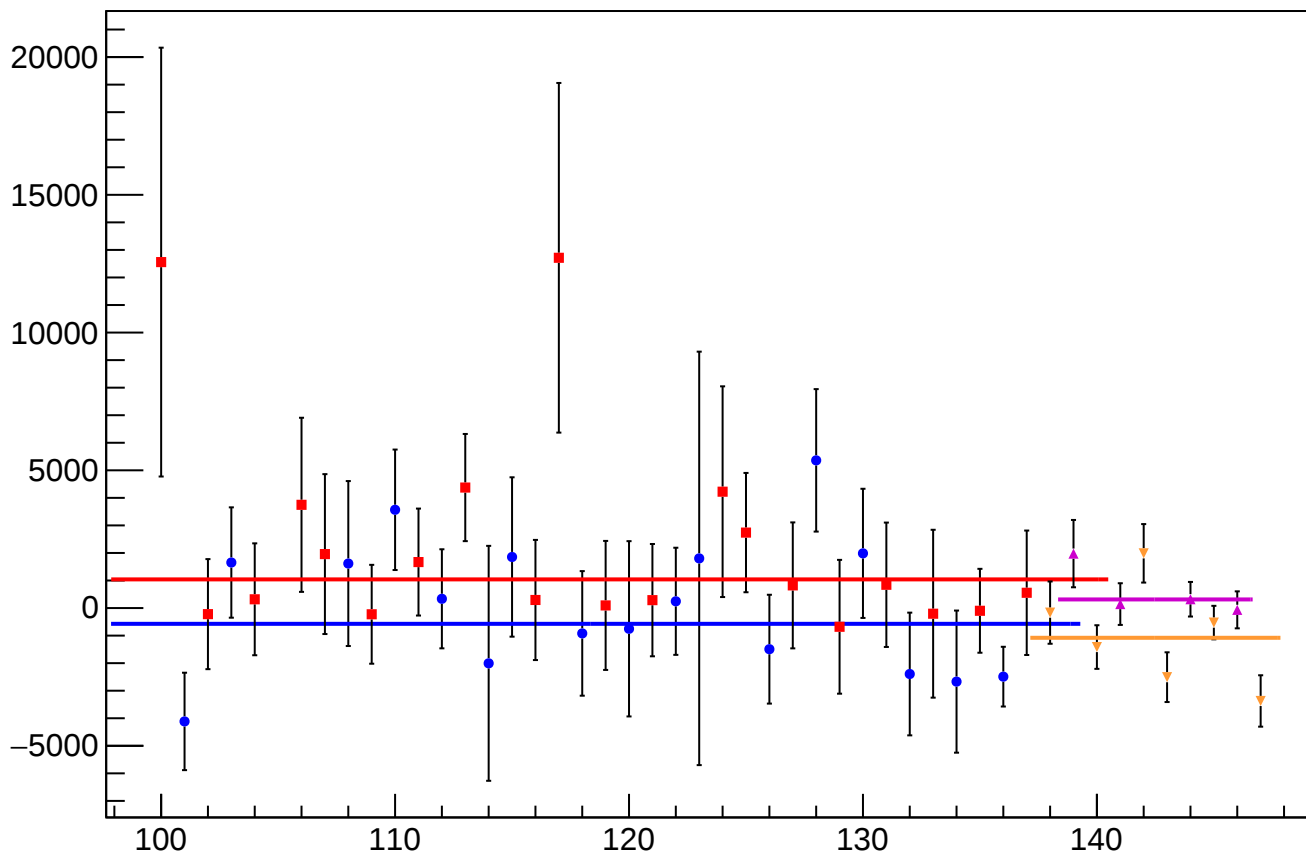
Left In: 77.068 ± 0.031 $\chi^2/\text{NDF}: 99662.6/3$

83.628 ± 0.018 $\chi^2/\text{NDF}: 628800.4/22$

84.163 ± 0.013 $\chi^2/\text{NDF}: 1263990.5/46$

84.742 ± 0.019 $\chi^2/\text{NDF}: 633431.3/23$

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 ± 517.020 $\chi^2/\text{NDF}: 21.9/16$

Left Out: -1079.337 ± 346.220 $\chi^2/\text{NDF}: 18.5/5$

Right Out: 1040.618 ± 512.937 $\chi^2/\text{NDF}: 13.5/19$

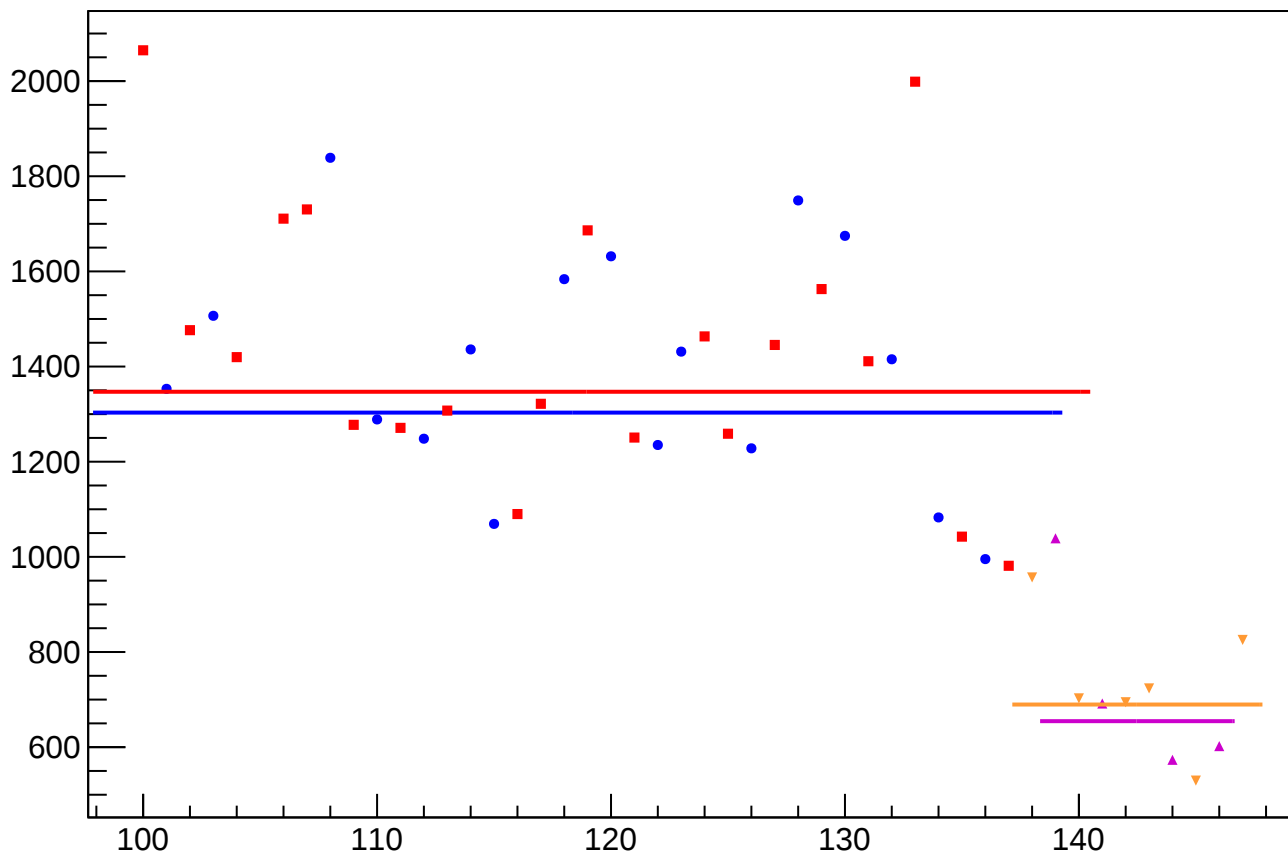
Left In: 312.879 ± 373.424 $\chi^2/\text{NDF}: 2.2/3$

-922.374 ± 287.677 $\chi^2/\text{NDF}: 41.1/22$

-214.551 ± 208.264 $\chi^2/\text{NDF}: 70.8/46$

564.972 ± 301.896 $\chi^2/\text{NDF}: 17.0/23$

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201 ± 0.366 $\chi^2/\text{NDF}: 451961.9/16$

Left Out: 689.601 ± 0.245 $\chi^2/\text{NDF}: 295575.2/5$

Right Out: 1347.011 ± 0.363 $\chi^2/\text{NDF}: 420806.0/19$

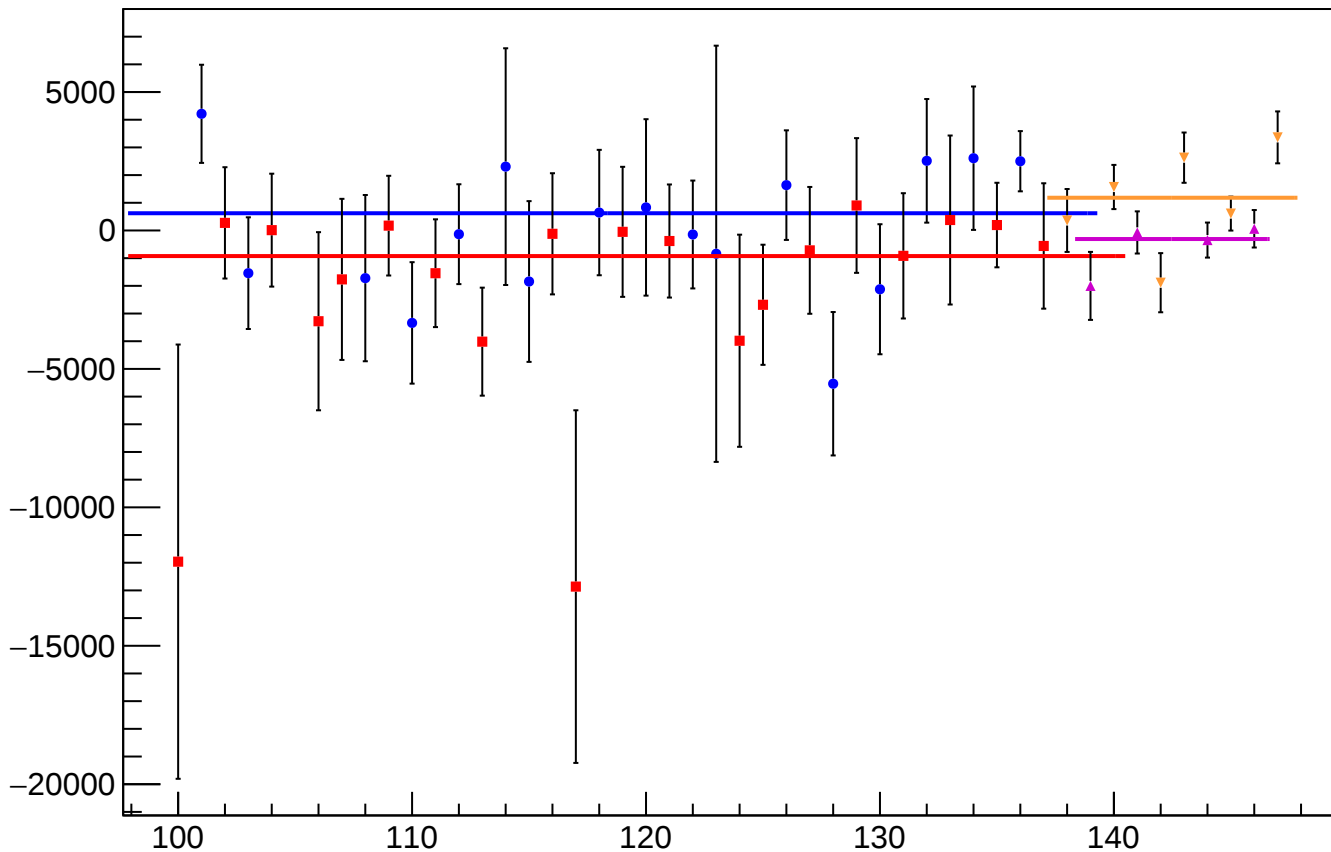
Left In: 654.636 ± 0.264 $\chi^2/\text{NDF}: 248268.4/3$

879.568 ± 0.203 $\chi^2/\text{NDF}: 2692404.1/22$

886.664 ± 0.147 $\chi^2/\text{NDF}: 5745762.1/46$

894.479 ± 0.213 $\chi^2/\text{NDF}: 3050801.2/23$

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1182.224+/-348.622 χ^2/NDF : 17.8/5

Right Out: -924.488+/-514.636 χ^2/NDF : 12.6/19

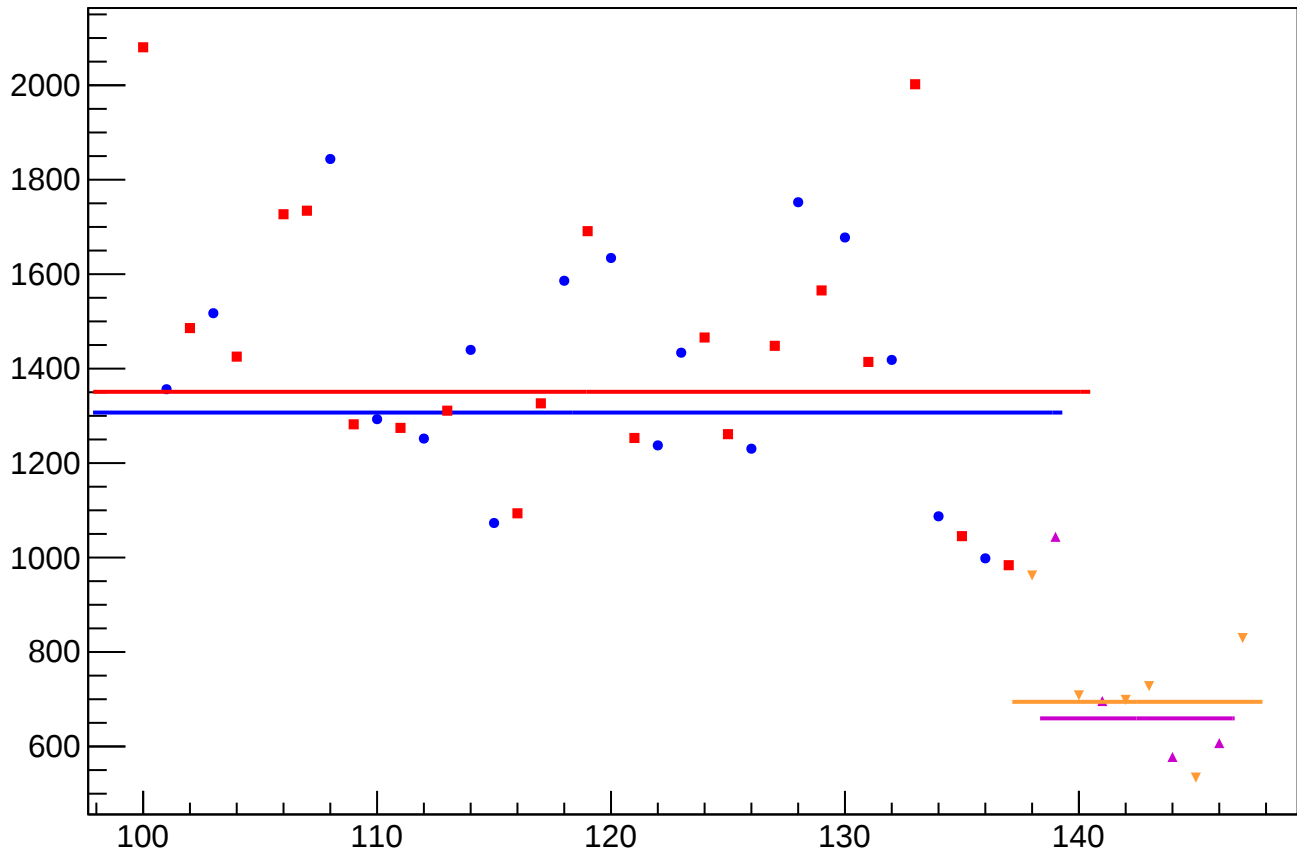
Left In: -308.831+/-376.116 χ^2/NDF : 2.3/3

1007.935+/-289.307 χ^2/NDF : 40.6/22

279.424+/-209.462 χ^2/NDF : 69.8/46

-523.179+/-303.663 χ^2/NDF : 15.9/23

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 694.520 $\pm$ 0.247 χ^2 /NDF: 292294.9/5

Right Out: 1350.936 $\pm$ 0.364 χ^2 /NDF: 421834.2/19

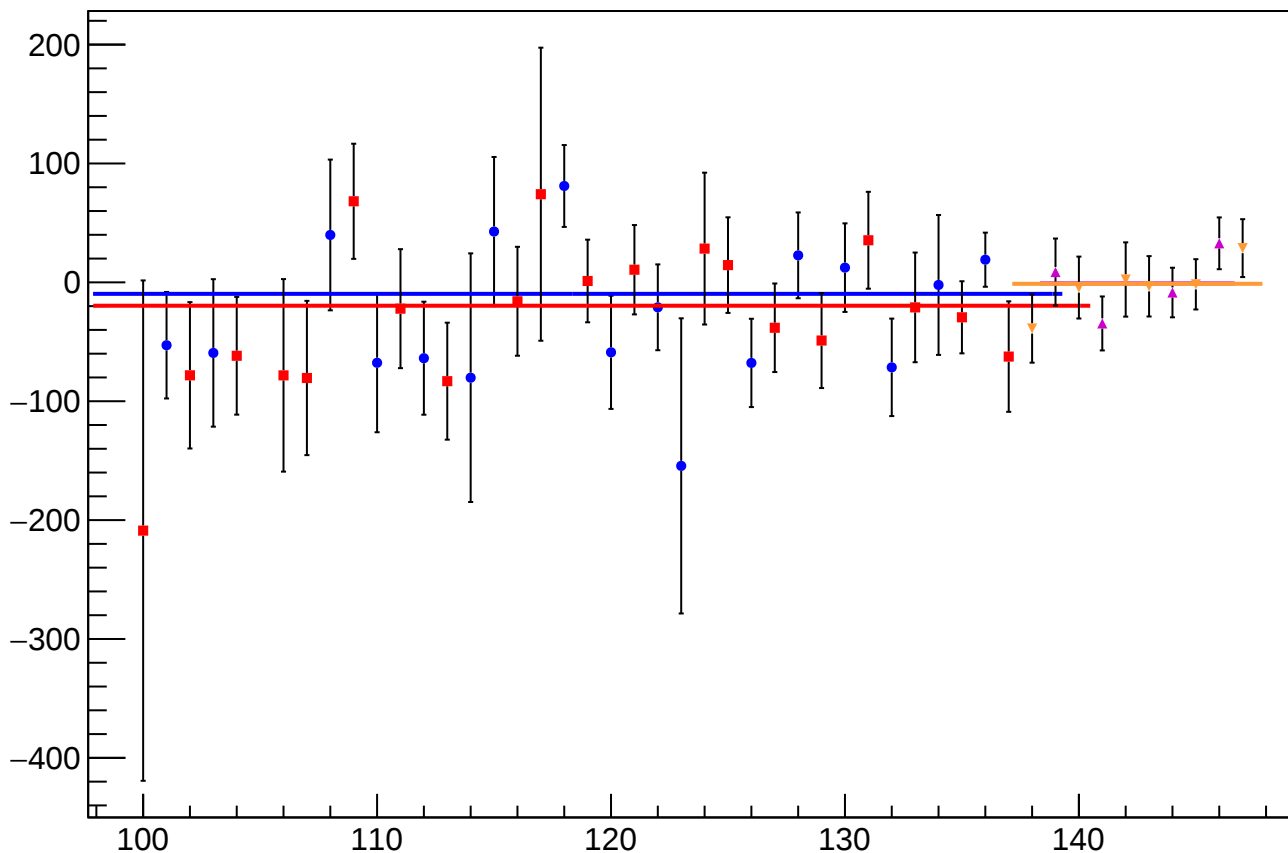
Left In: 659.503 $\pm$ 0.266 χ^2 /NDF: 245987.2/3

885.200 $\pm$ 0.205 χ^2 /NDF: 2665268.0/22

892.353 $\pm$ 0.148 χ^2 /NDF: 5688915.1/46

900.234 $\pm$ 0.215 χ^2 /NDF: 3021077.4/23

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669+/-10.408 χ^2/NDF : 22.6/16

Left Out: -1.219+/-10.437 χ^2/NDF : 3.3/5

Right Out: -19.662+/-10.406 χ^2/NDF : 15.2/19

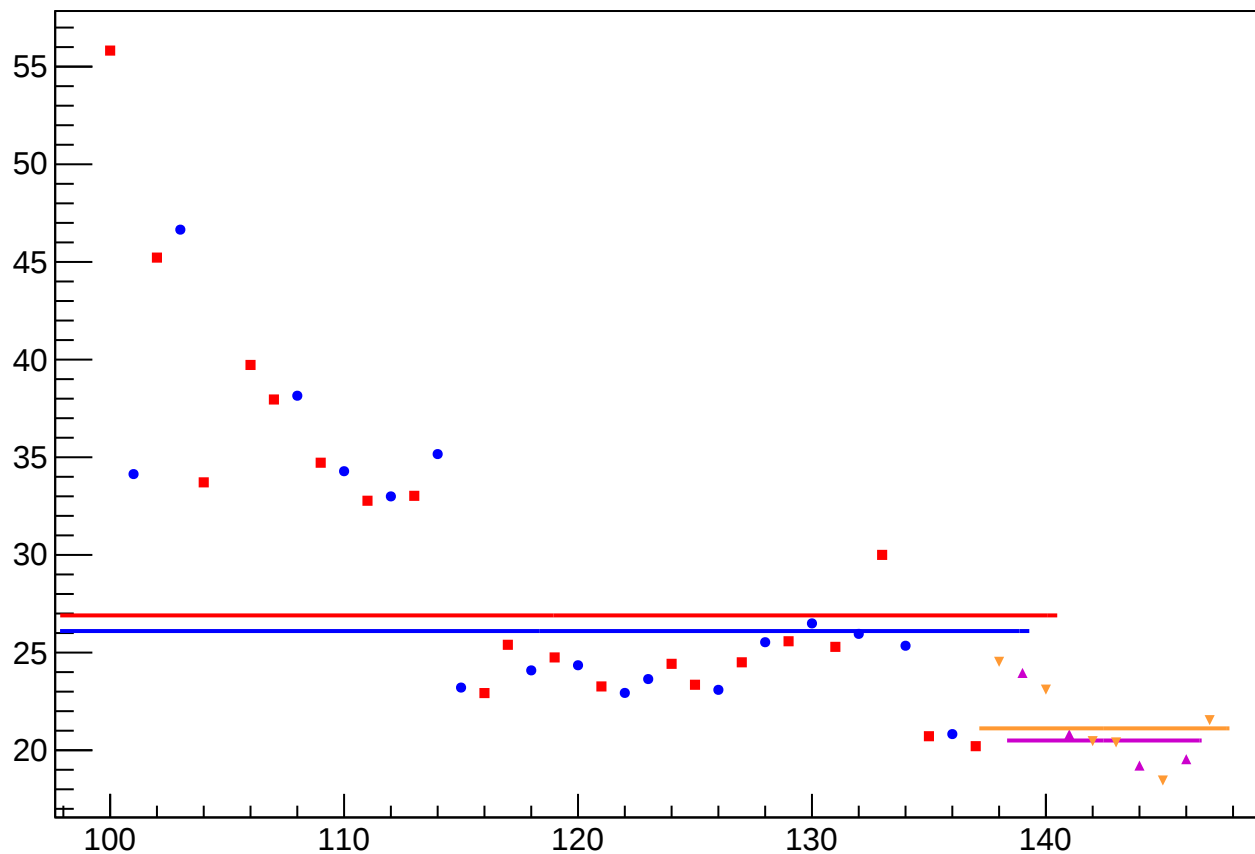
Left In: -0.876+/-11.467 χ^2/NDF : 4.8/3

-5.456+/-7.370 χ^2/NDF : 26.2/22

-8.189+/-5.326 χ^2/NDF : 48.0/46

-11.177+/-7.706 χ^2/NDF : 21.6/23

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 21.120+/-0.007 χ^2/NDF : 74589.9/5

Right Out: 26.903+/-0.007 χ^2/NDF : 679269.9/19

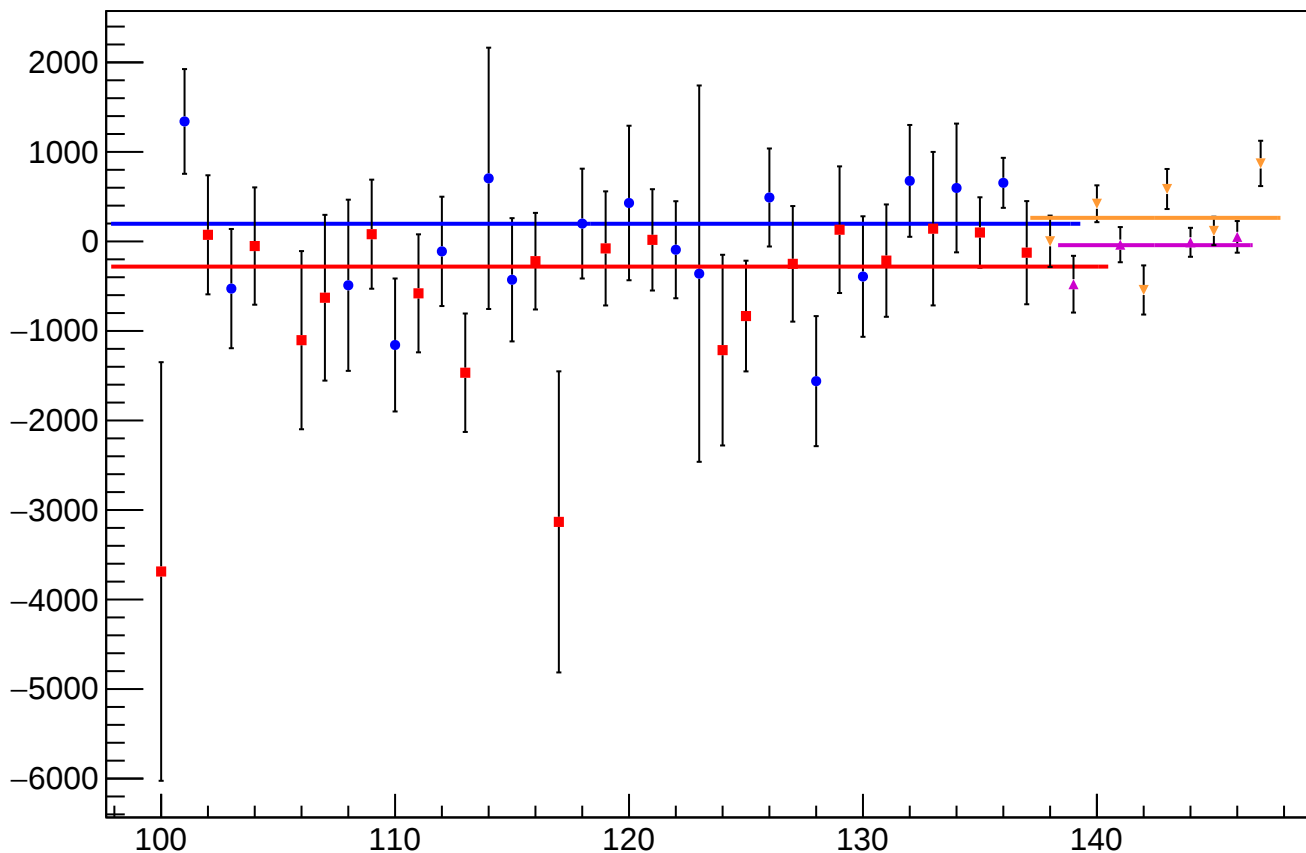
Left In: 20.499+/-0.008 χ^2/NDF : 41944.0/3

23.618+/-0.005 χ^2/NDF : 907177.1/22

23.806+/-0.004 χ^2/NDF : 1973184.7/46

24.011+/-0.005 χ^2/NDF : 1063298.9/23

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 ± 147.883 $\chi^2/\text{NDF}: 21.0/16$

Left Out: 263.417 ± 89.720 $\chi^2/\text{NDF}: 18.7/5$

Right Out: -281.185 ± 149.275 $\chi^2/\text{NDF}: 13.6/19$

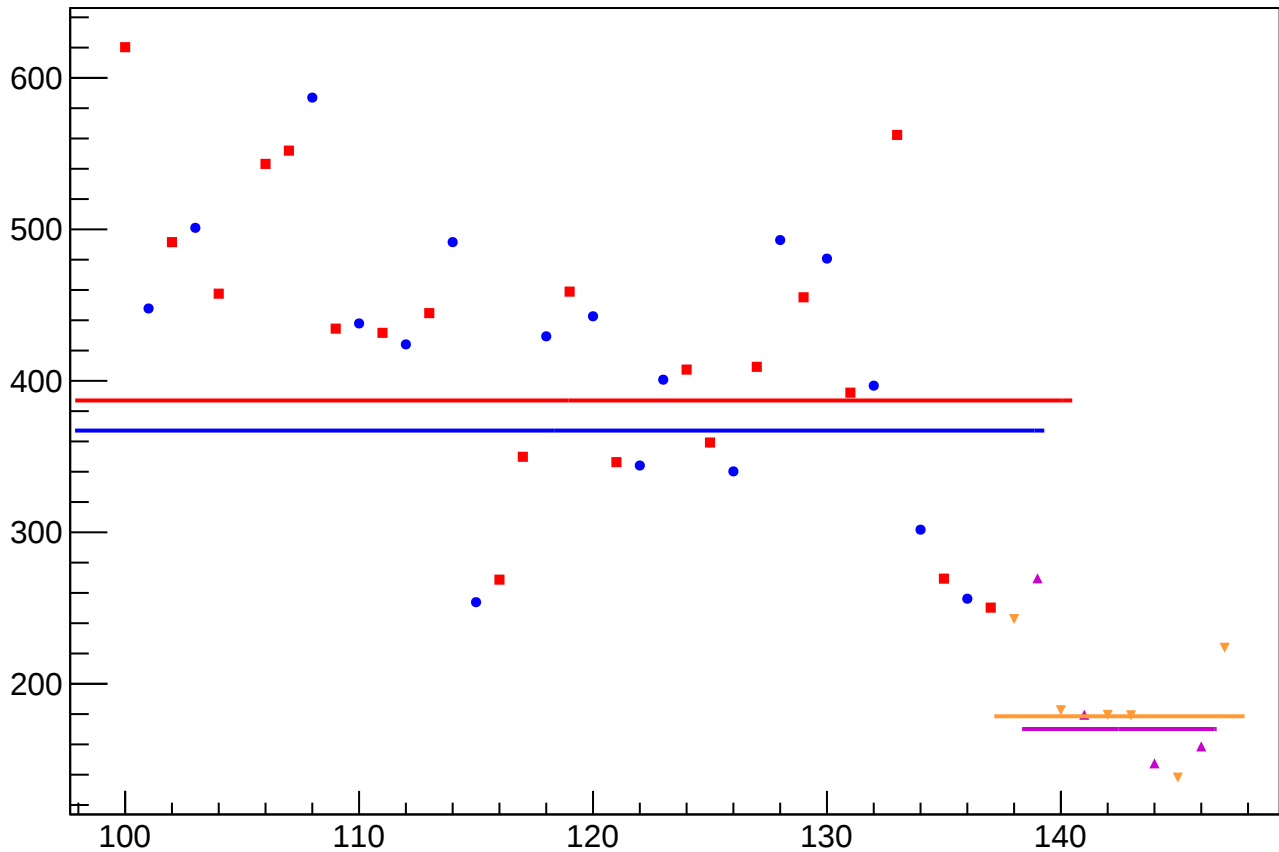
Left In: -41.764 ± 97.073 $\chi^2/\text{NDF}: 2.2/3$

245.636 ± 76.707 $\chi^2/\text{NDF}: 39.8/22$

76.947 ± 55.819 $\chi^2/\text{NDF}: 67.7/46$

-112.920 ± 81.379 $\chi^2/\text{NDF}: 17.6/23$

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 178.566 $\pm$ 0.063 χ^2 /NDF: 294580.4/5

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

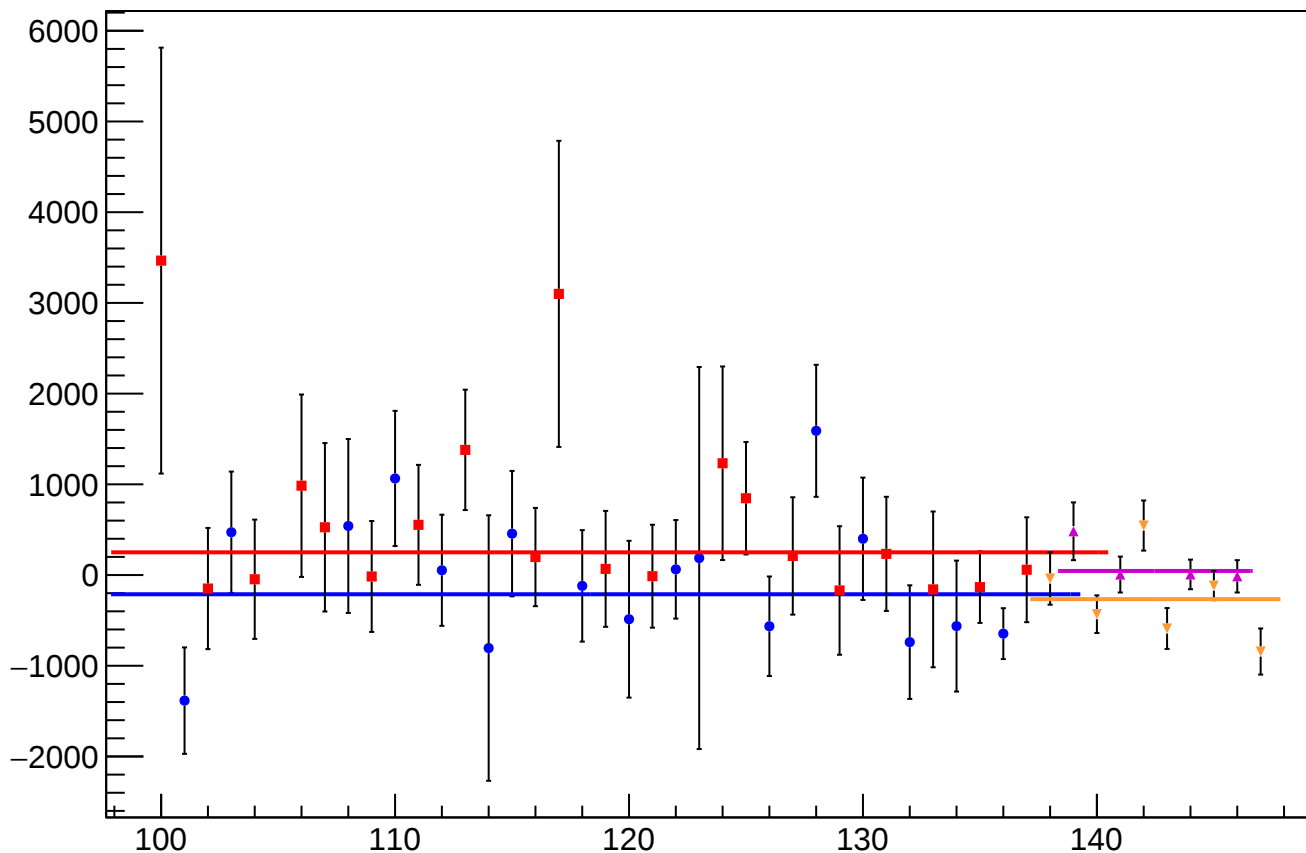
Left In: 170.169 $\pm$ 0.069 χ^2 /NDF: 249493.7/3

229.312 $\pm$ 0.054 χ^2 /NDF: 3499834.4/22

231.812 $\pm$ 0.039 χ^2 /NDF: 7496414.7/46

234.626 $\pm$ 0.058 χ^2 /NDF: 3992064.1/23

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -265.786+/-90.376 χ^2/NDF : 18.0/5

Right Out: 250.443+/-149.724 χ^2/NDF : 12.9/19

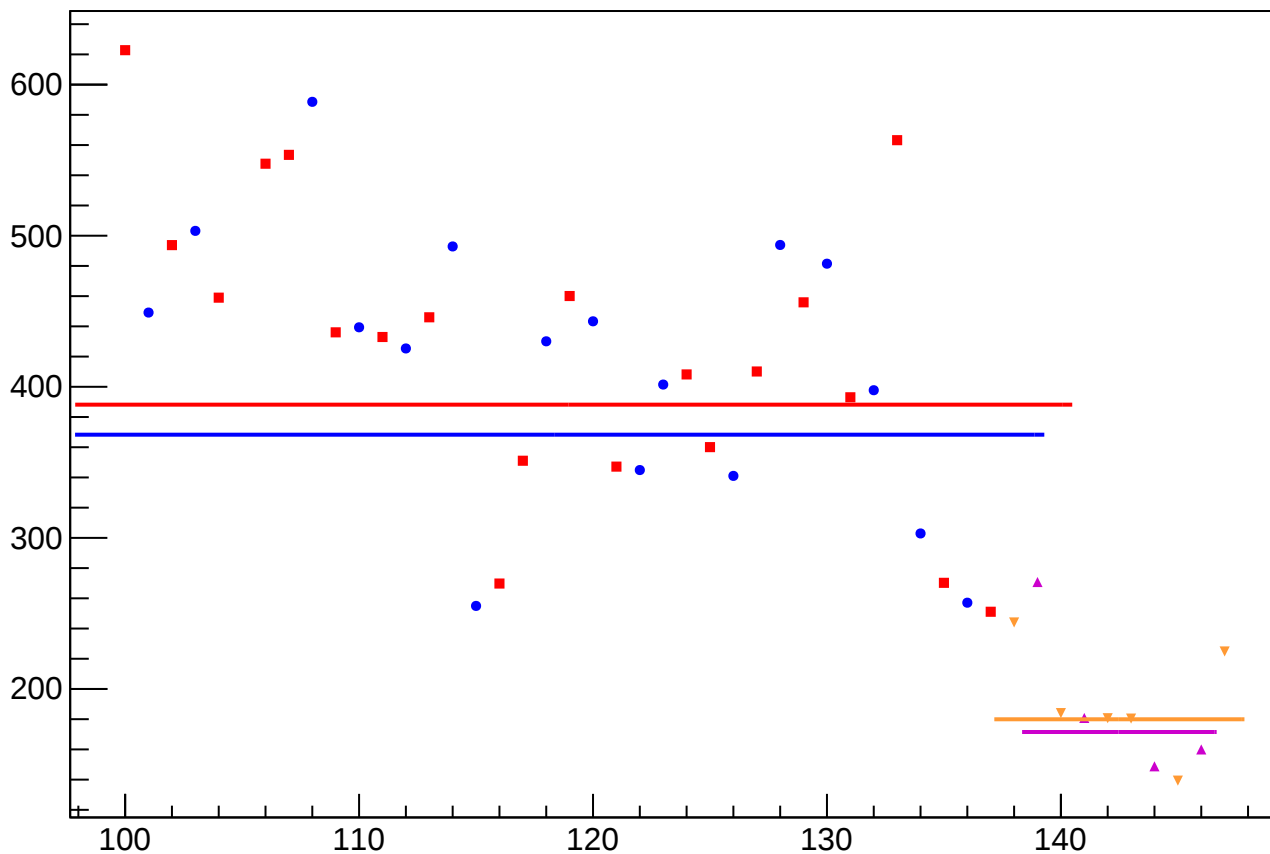
Left In: 45.156+/-97.809 χ^2/NDF : 2.1/3

-251.184+/-77.177 χ^2/NDF : 39.1/22

-82.893+/-56.163 χ^2/NDF : 65.5/46

106.559+/-81.885 χ^2/NDF : 16.3/23

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 179.937 $\pm$ 0.064 χ^2 /NDF: 290108.2/5

Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

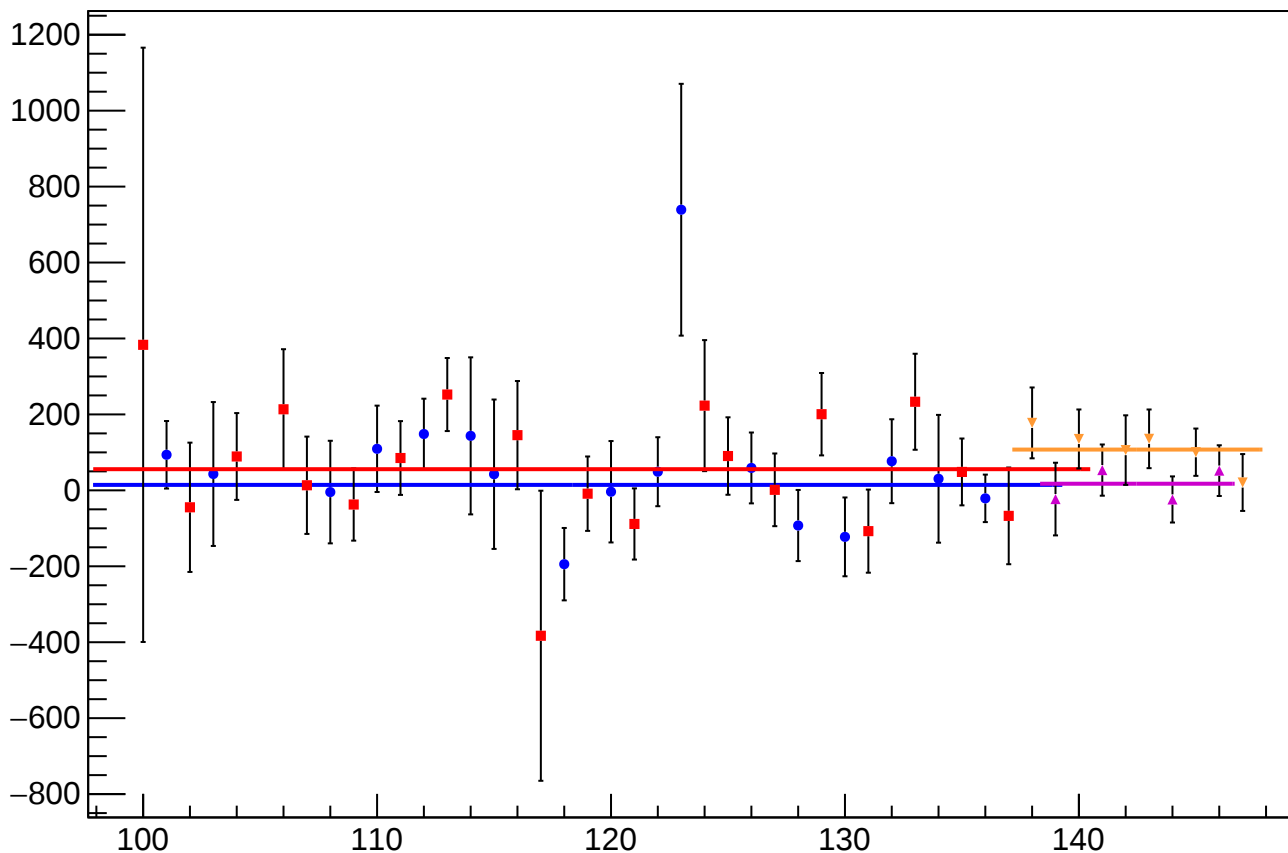
Left In: 171.522 $\pm$ 0.069 χ^2 /NDF: 246206.4/3

230.940 $\pm$ 0.055 χ^2 /NDF: 3467180.2/22

233.473 $\pm$ 0.040 χ^2 /NDF: 7428896.5/46

236.325 $\pm$ 0.058 χ^2 /NDF: 3957134.7/23

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 107.409+/-31.573 χ^2/NDF : 2.2/5

Right Out: 55.744+/-26.060 χ^2/NDF : 19.7/19

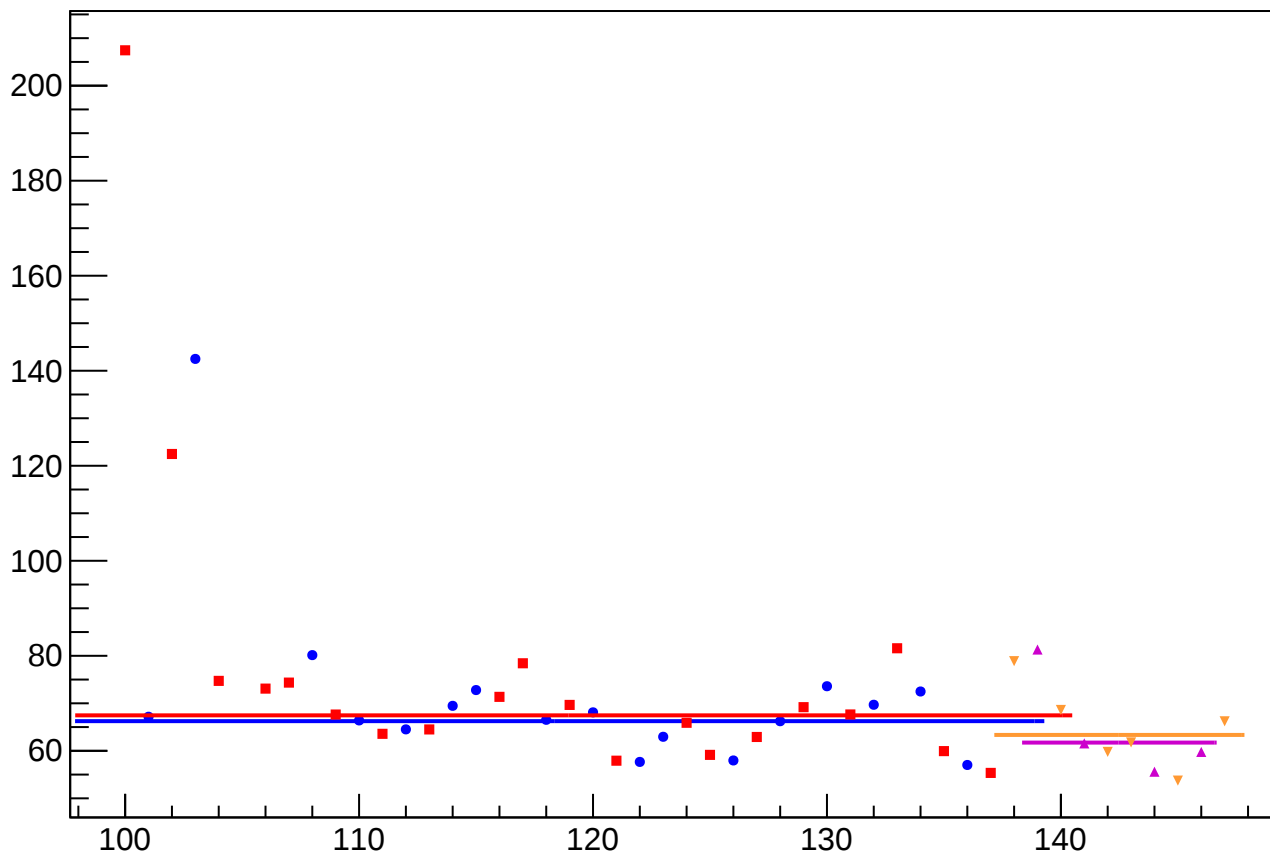
Left In: 17.431+/-34.830 χ^2/NDF : 1.2/3

52.549+/-20.223 χ^2/NDF : 25.0/22

47.437+/-14.522 χ^2/NDF : 46.8/46

41.993+/-20.866 χ^2/NDF : 21.7/23

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 ± 0.019 $\chi^2/\text{NDF}: 440944.2/16$

Left Out: 63.346 ± 0.022 $\chi^2/\text{NDF}: 118957.5/5$

Right Out: 67.466 ± 0.018 $\chi^2/\text{NDF}: 395262.8/19$

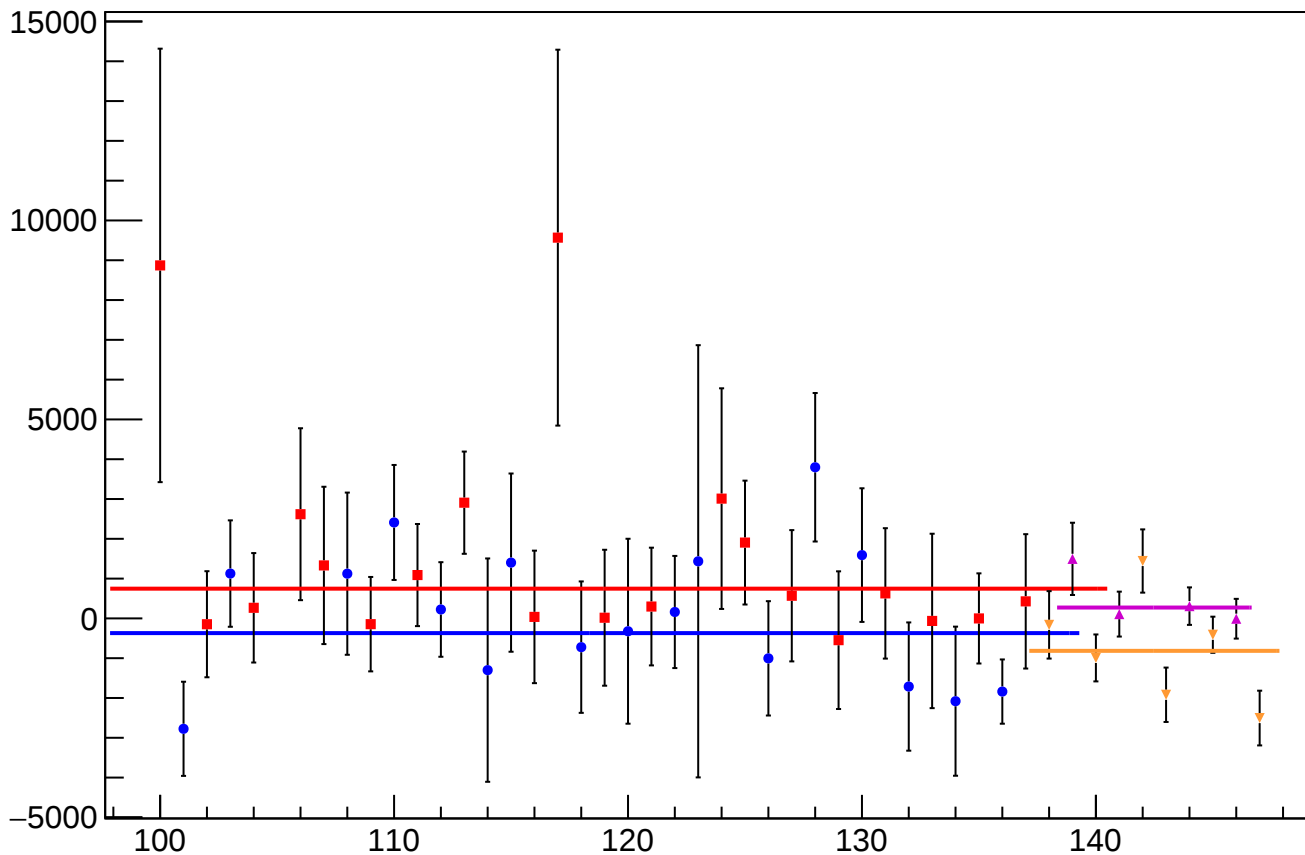
Left In: 61.734 ± 0.025 $\chi^2/\text{NDF}: 105873.8/3$

65.057 ± 0.014 $\chi^2/\text{NDF}: 569862.2/22$

65.227 ± 0.010 $\chi^2/\text{NDF}: 1106029.7/46$

65.409 ± 0.015 $\chi^2/\text{NDF}: 535873.8/23$

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -815.309 $\pm$ 258.544 χ^2 /NDF:18.2/5

Right Out: 747.208 $\pm$ 360.830 χ^2 /NDF: 13.4/19

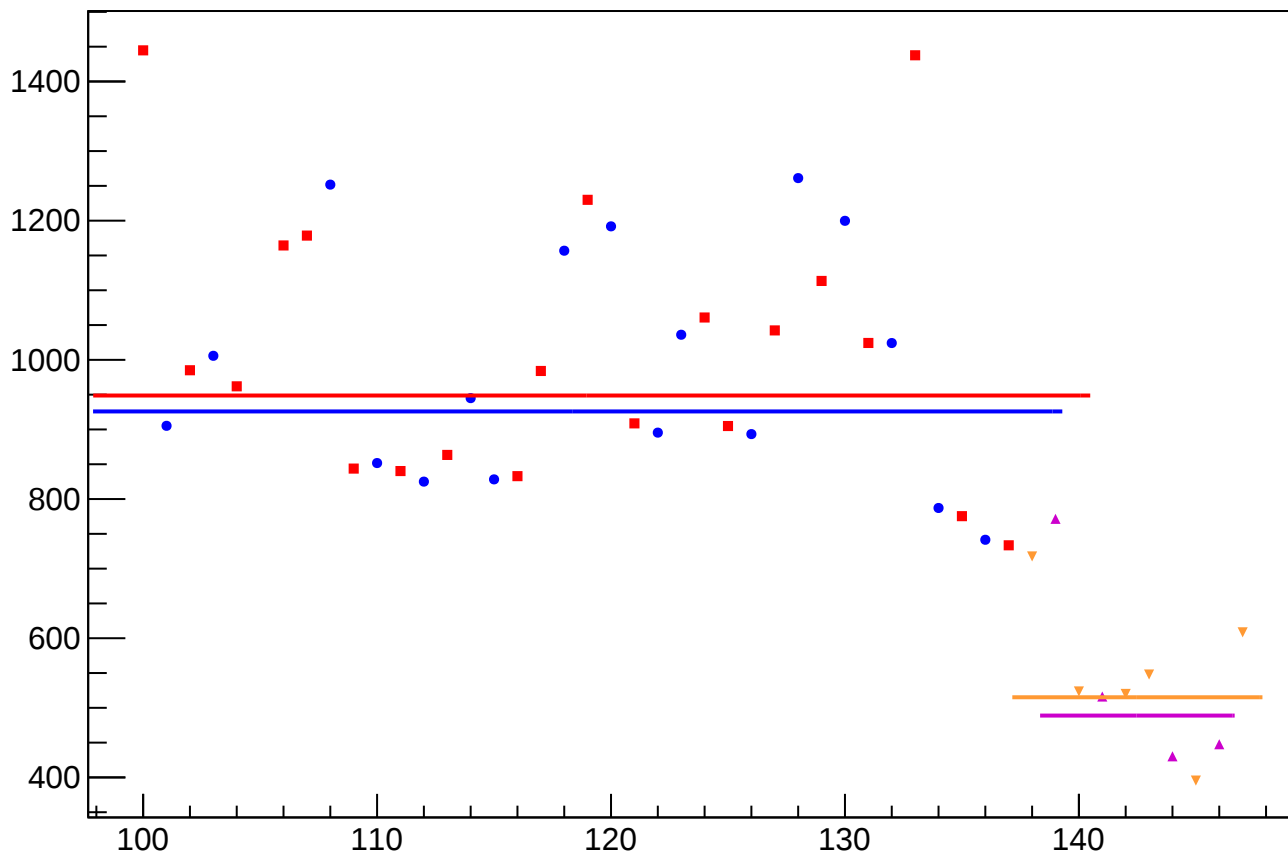
Left In: 272.783 $\pm$ 278.764 χ^2 /NDF:2.2/3

-667.152 $\pm$ 211.253 χ^2 /NDF: 41.5/22

-132.689 $\pm$ 152.576 χ^2 /NDF: 71.6/46

450.108 $\pm$ 220.599 χ^2 /NDF: 16.8/23

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 515.169 $\pm$ 0.183 χ^2 /NDF: 295022.6/5

Right Out: 948.760 $\pm$ 0.255 χ^2 /NDF: 382044.0/19

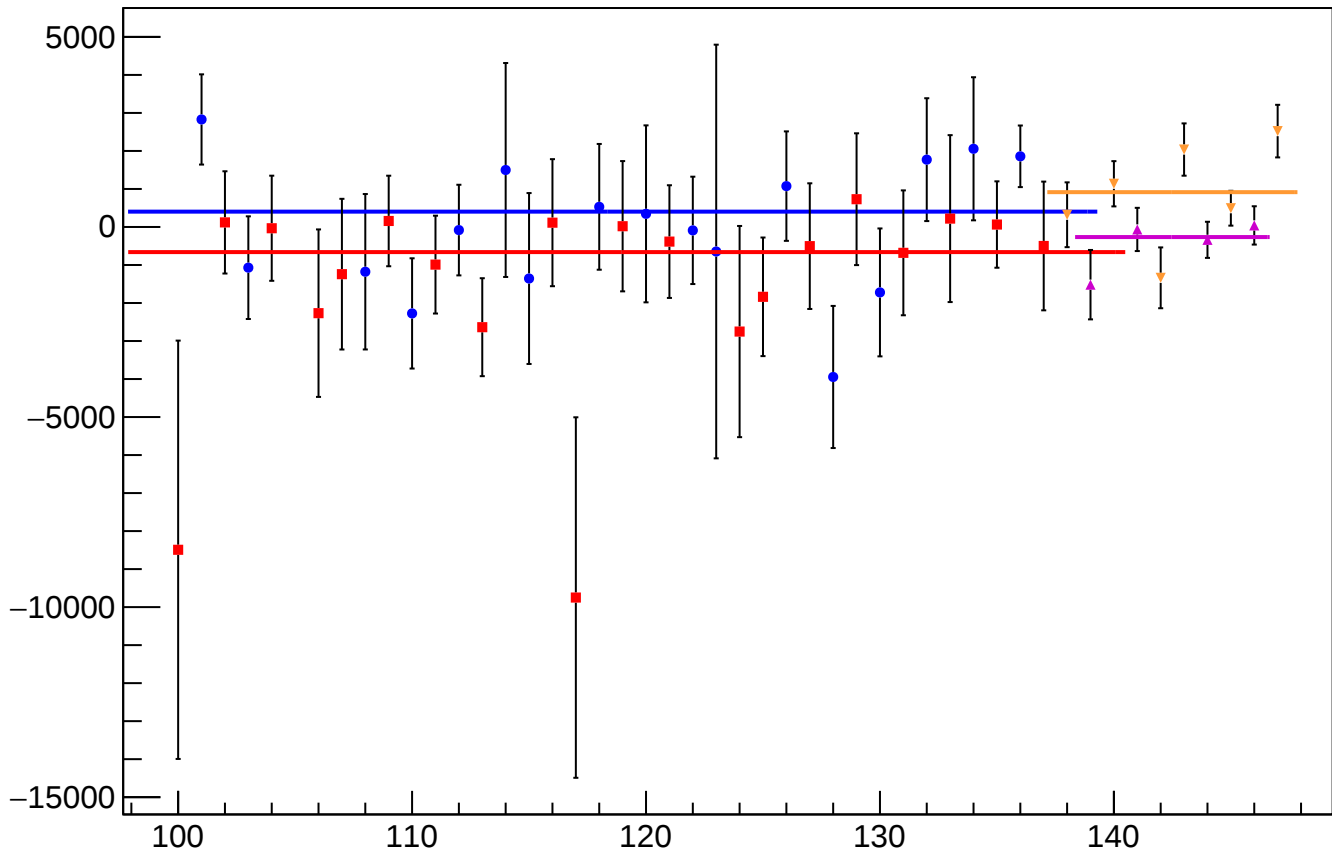
Left In: 488.864 $\pm$ 0.197 χ^2 /NDF: 243119.2/3

651.678 $\pm$ 0.149 χ^2 /NDF: 2363603.8/22

656.022 $\pm$ 0.108 χ^2 /NDF: 5025132.1/46

660.759 $\pm$ 0.156 χ^2 /NDF: 2659760.5/23

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 916.029+/-260.600 χ^2/NDF : 17.5/5

Right Out: -660.630+/-362.265 χ^2/NDF : 12.5/19

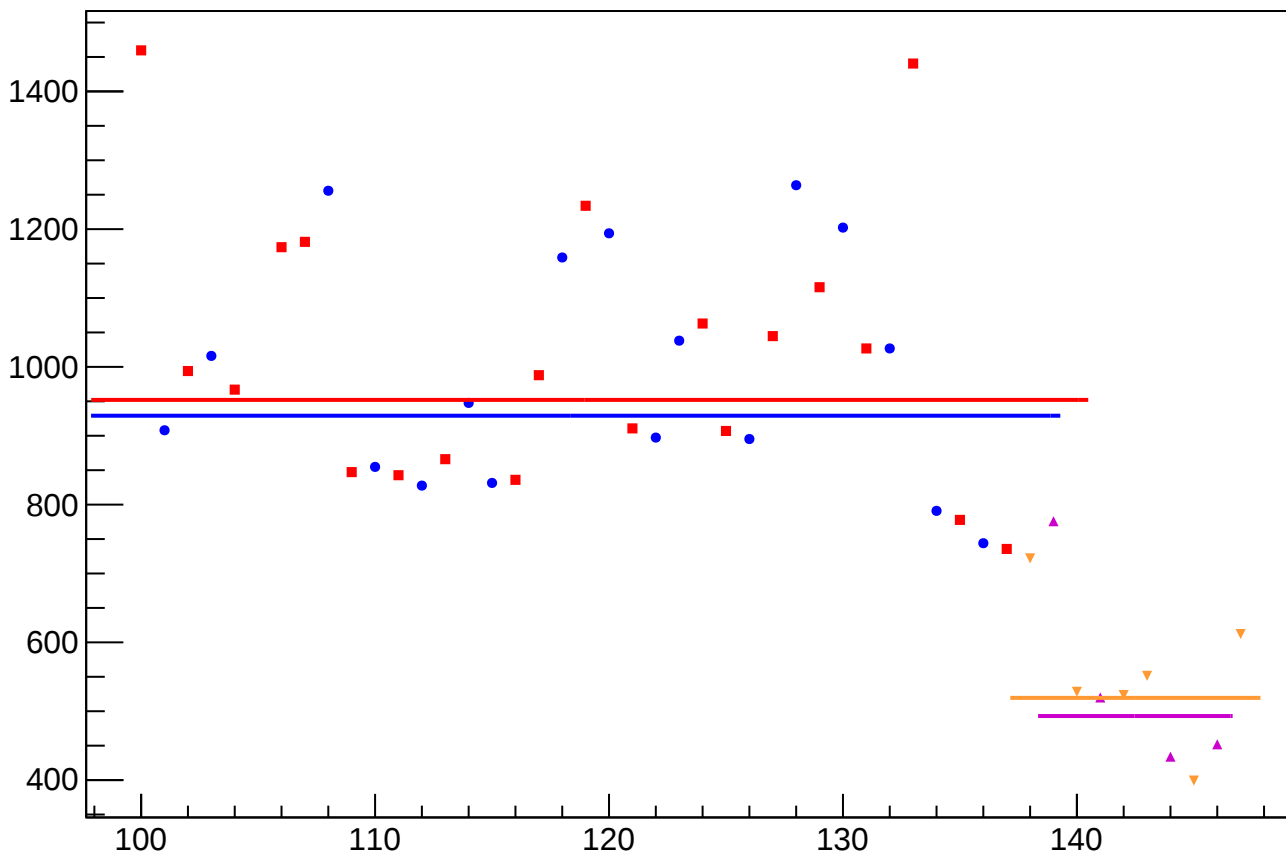
Left In: -265.235+/-281.070 χ^2/NDF : 2.4/3

744.685+/-212.613 χ^2/NDF : 41.2/22

190.624+/-153.574 χ^2/NDF : 71.0/46

-413.812+/-222.069 χ^2/NDF : 15.7/23

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 519.384 $\pm$ 0.184 χ^2/NDF : 290901.5/5

Right Out: 952.057 $\pm$ 0.256 χ^2/NDF : 382334.5/19

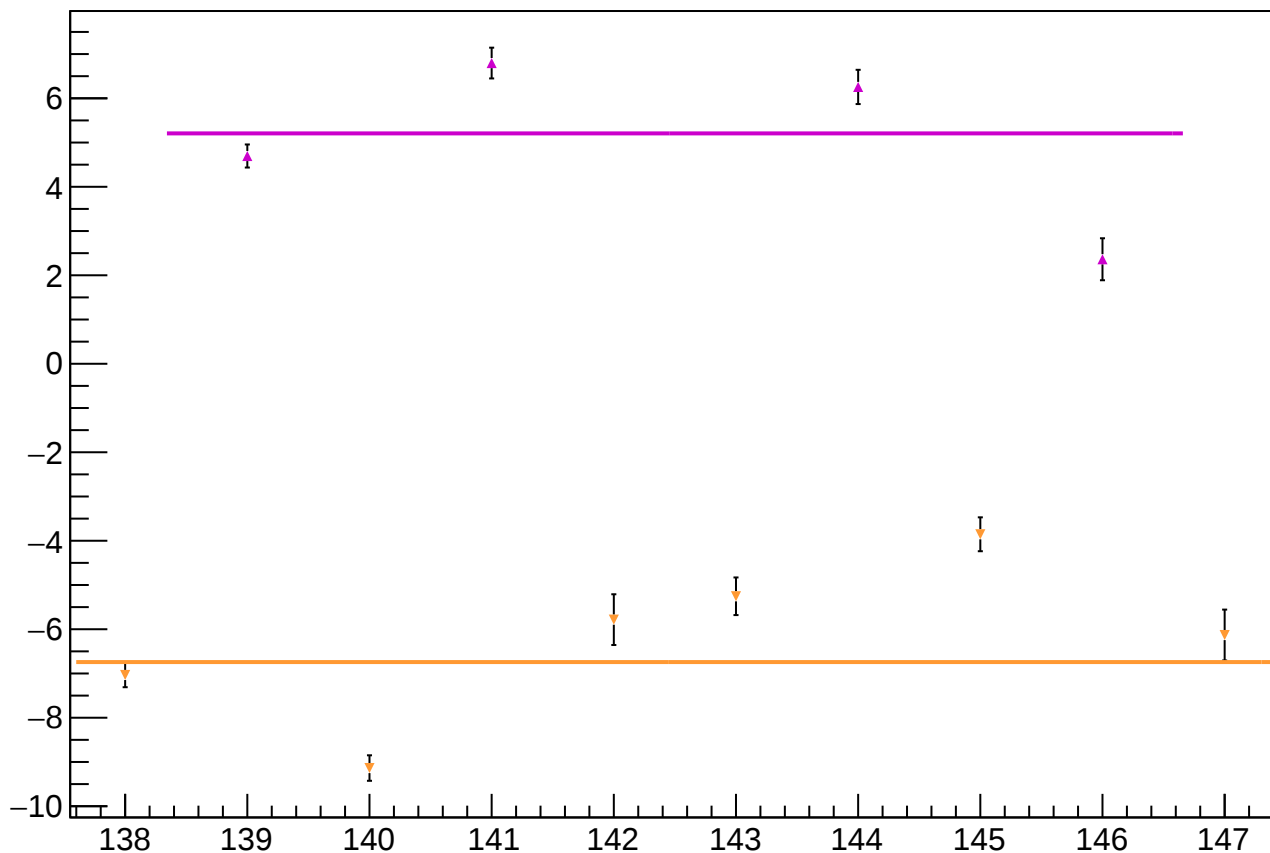
Left In: 493.033 $\pm$ 0.199 χ^2/NDF : 240580.4/3

656.380 $\pm$ 0.150 χ^2/NDF : 2334168.6/22

660.751 $\pm$ 0.109 χ^2/NDF : 4963289.4/46

665.520 $\pm$ 0.157 χ^2/NDF : 2627353.2/23

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.742+/-0.152 χ^2/NDF : 143.3/5

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

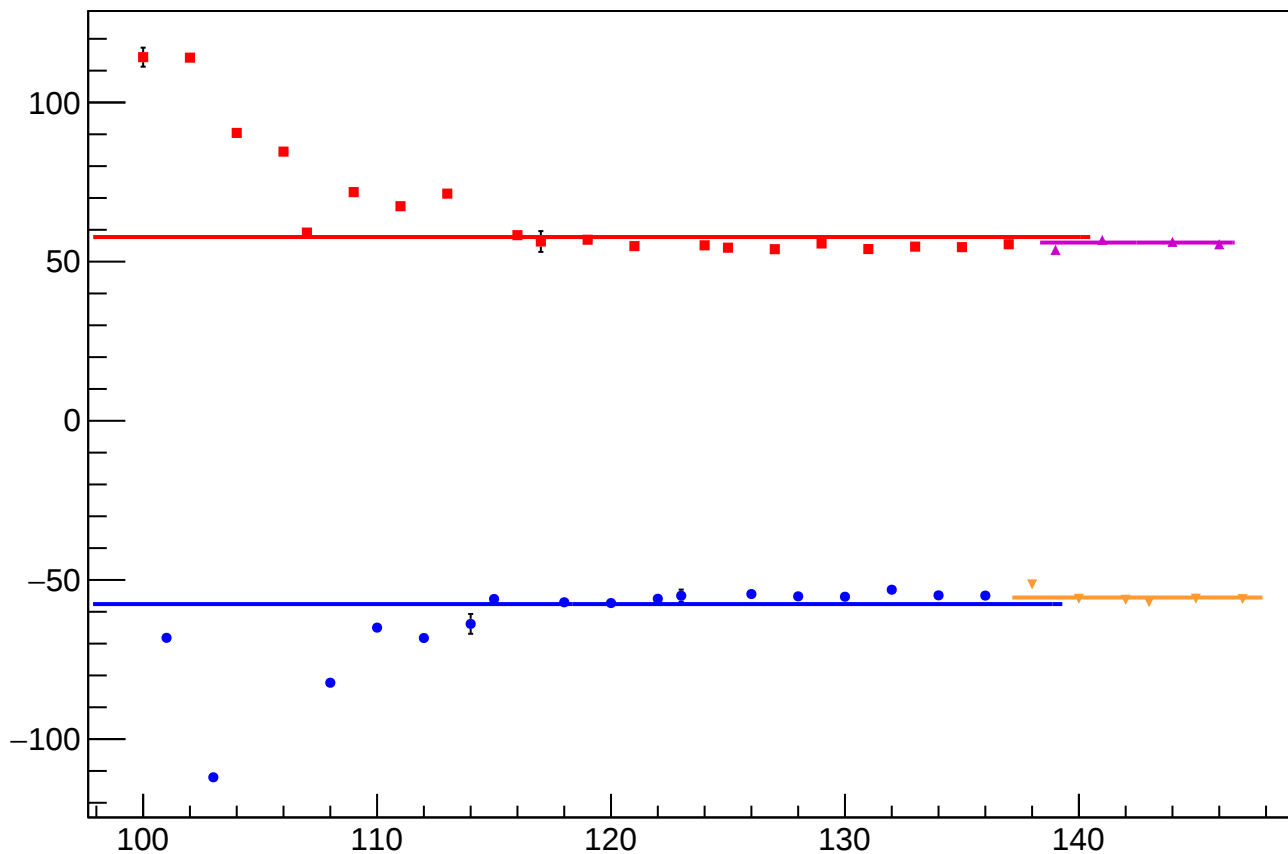
Left In: 5.207+/-0.171 χ^2/NDF : 68.0/3

-6.742+/-0.152 χ^2/NDF : 143.3/5

-1.494+/-0.113 χ^2/NDF : 2941.9/9

5.207+/-0.171 χ^2/NDF : 68.0/3

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581+/-0.143 χ^2/NDF : 3455.5/16

Left Out: -55.521+/-0.121 χ^2/NDF : 199.6/5

Right Out: 57.730+/-0.143 χ^2/NDF : 4698.7/19

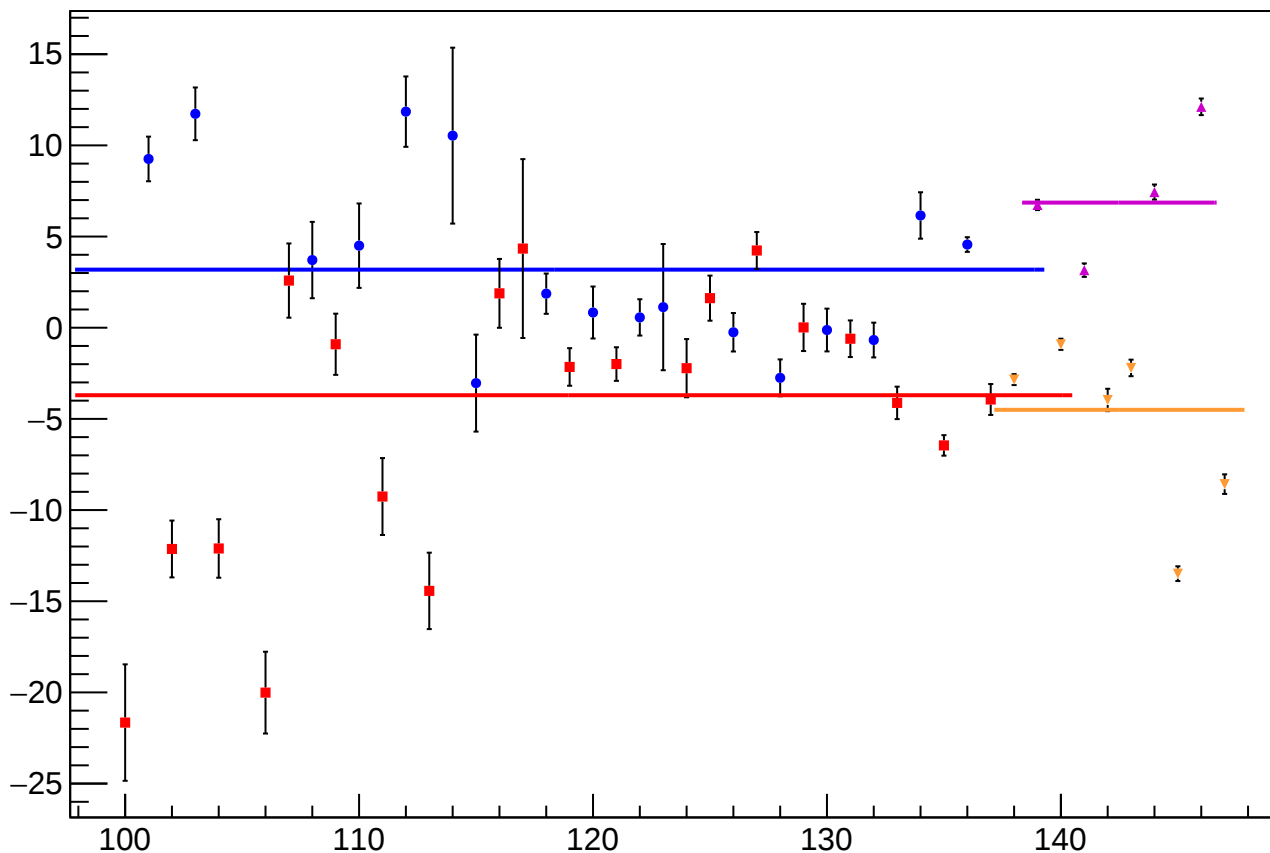
Left In: 55.990+/-0.151 χ^2/NDF : 39.2/3

-56.379+/-0.092 χ^2/NDF : 3776.1/22

-6.323+/-0.069 χ^2/NDF : 673600.1/46

56.909+/-0.104 χ^2/NDF : 4807.9/23

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -4.502 ± 0.161 χ^2/NDF : 745.3/5

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

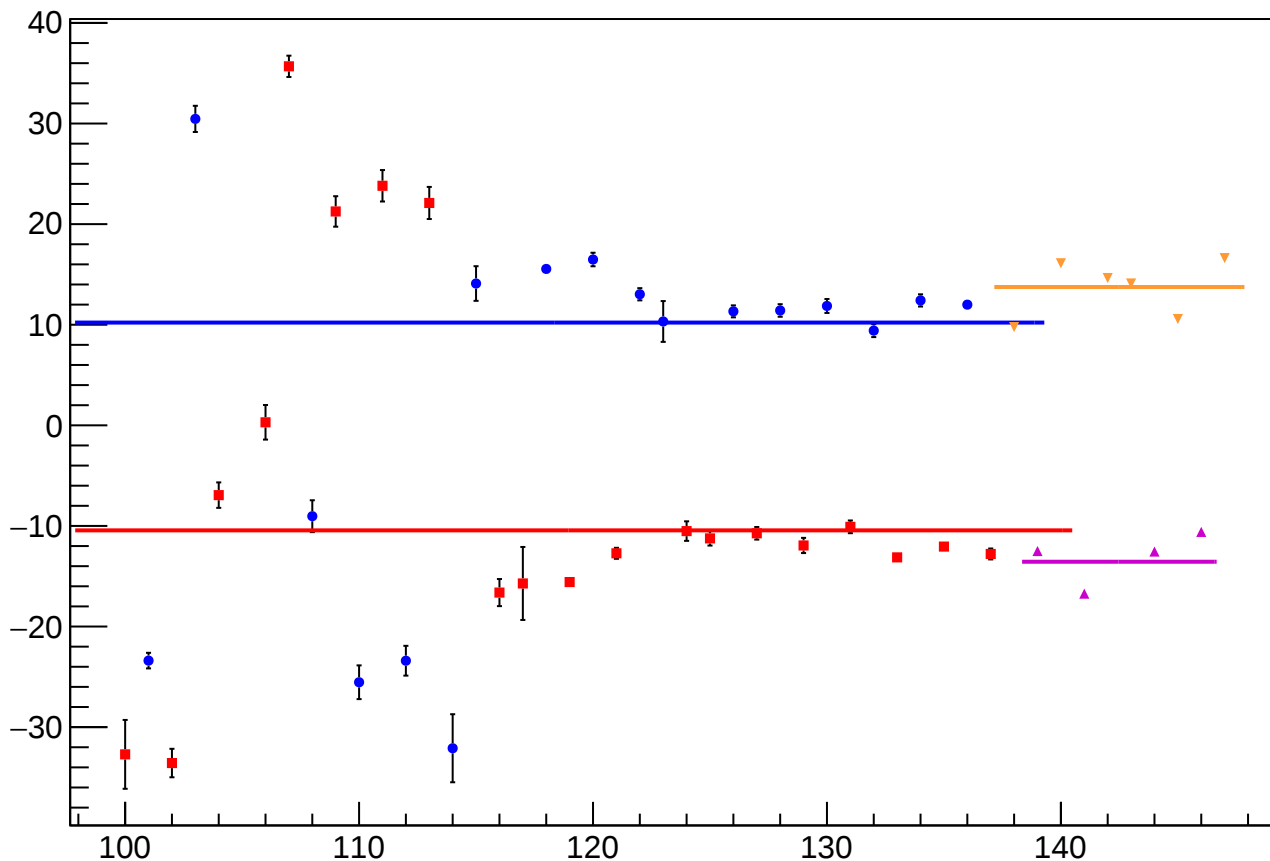
Left In: 6.861 ± 0.181 χ^2/NDF : 235.4/3

-2.368 ± 0.136 χ^2/NDF : 1567.5/22

0.306 ± 0.101 χ^2/NDF : 4048.5/46

3.534 ± 0.150 χ^2/NDF : 1633.3/23

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 ± 0.158 $\chi^2/\text{NDF}: 3692.6/16$

Left Out: 13.751 ± 0.145 $\chi^2/\text{NDF}: 332.1/5$

Right Out: -10.440 ± 0.160 $\chi^2/\text{NDF}: 3829.1/19$

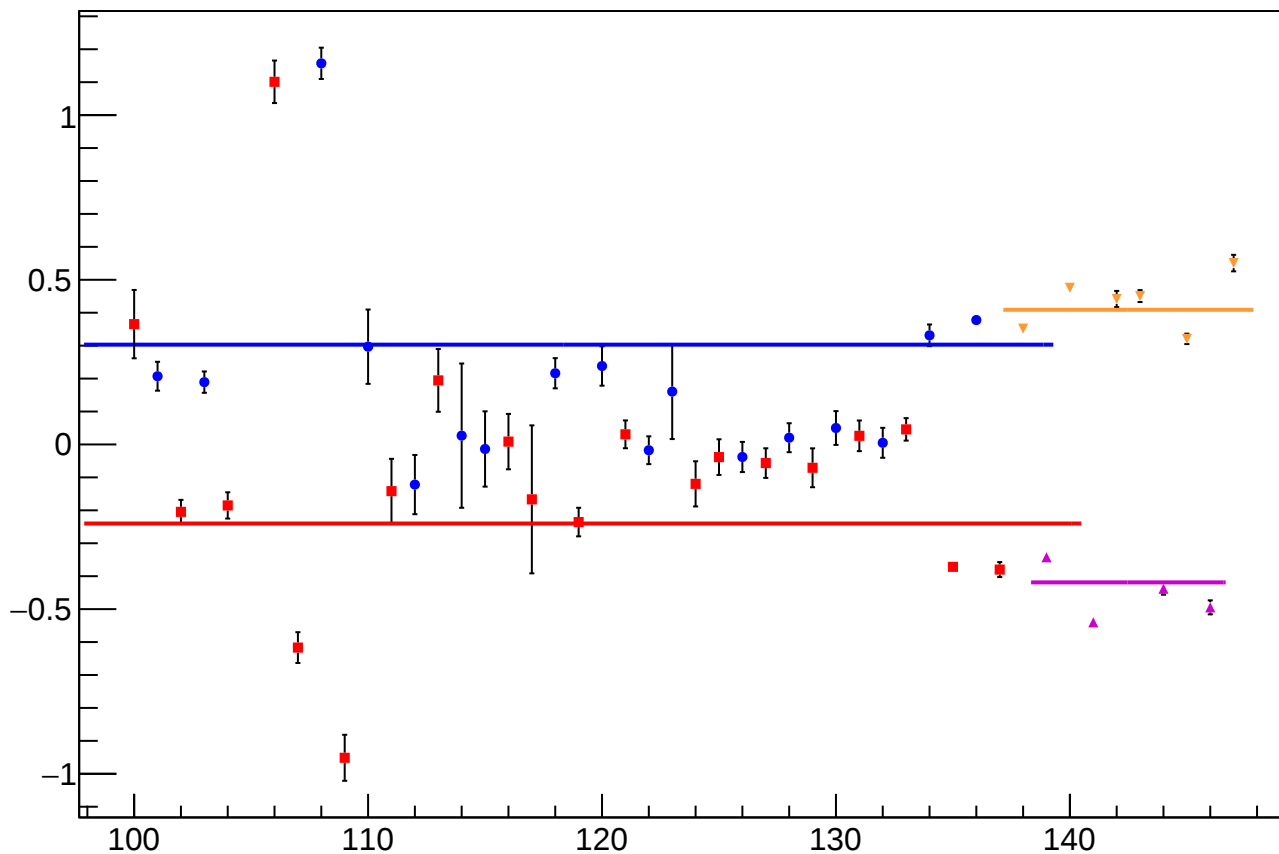
Left In: -13.559 ± 0.176 $\chi^2/\text{NDF}: 187.9/3$

12.135 ± 0.107 $\chi^2/\text{NDF}: 4296.4/22$

1.363 ± 0.079 $\chi^2/\text{NDF}: 31100.8/46$

-11.849 ± 0.118 $\chi^2/\text{NDF}: 4188.9/23$

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.409 ± 0.007 χ^2/NDF : 119.9/5

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.5/19

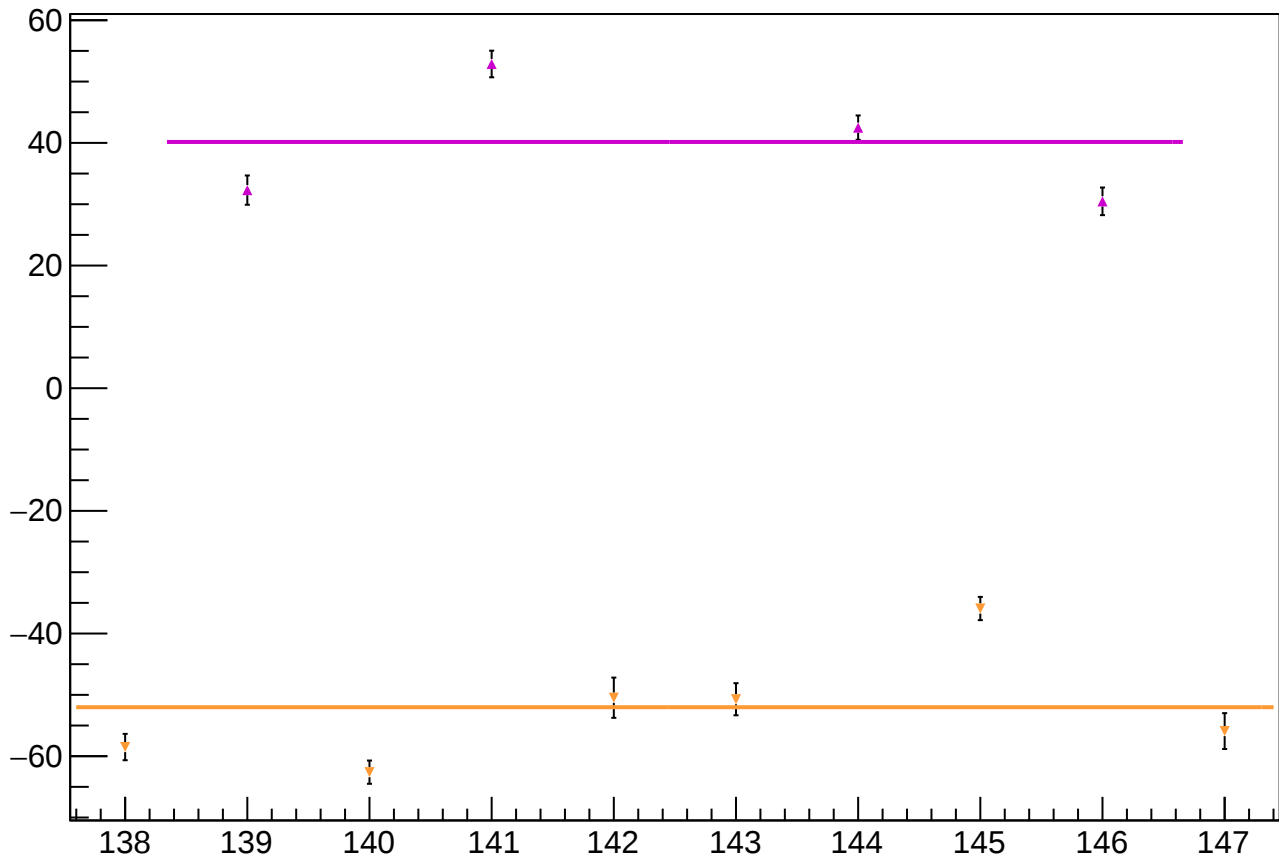
Left In: -0.419 ± 0.007 χ^2/NDF : 139.6/3

0.368 ± 0.005 χ^2/NDF : 868.0/22

0.034 ± 0.004 χ^2/NDF : 11386.3/46

-0.346 ± 0.005 χ^2/NDF : 1384.4/23

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -52.014+/-0.941 χ^2/NDF : 114.7/5

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

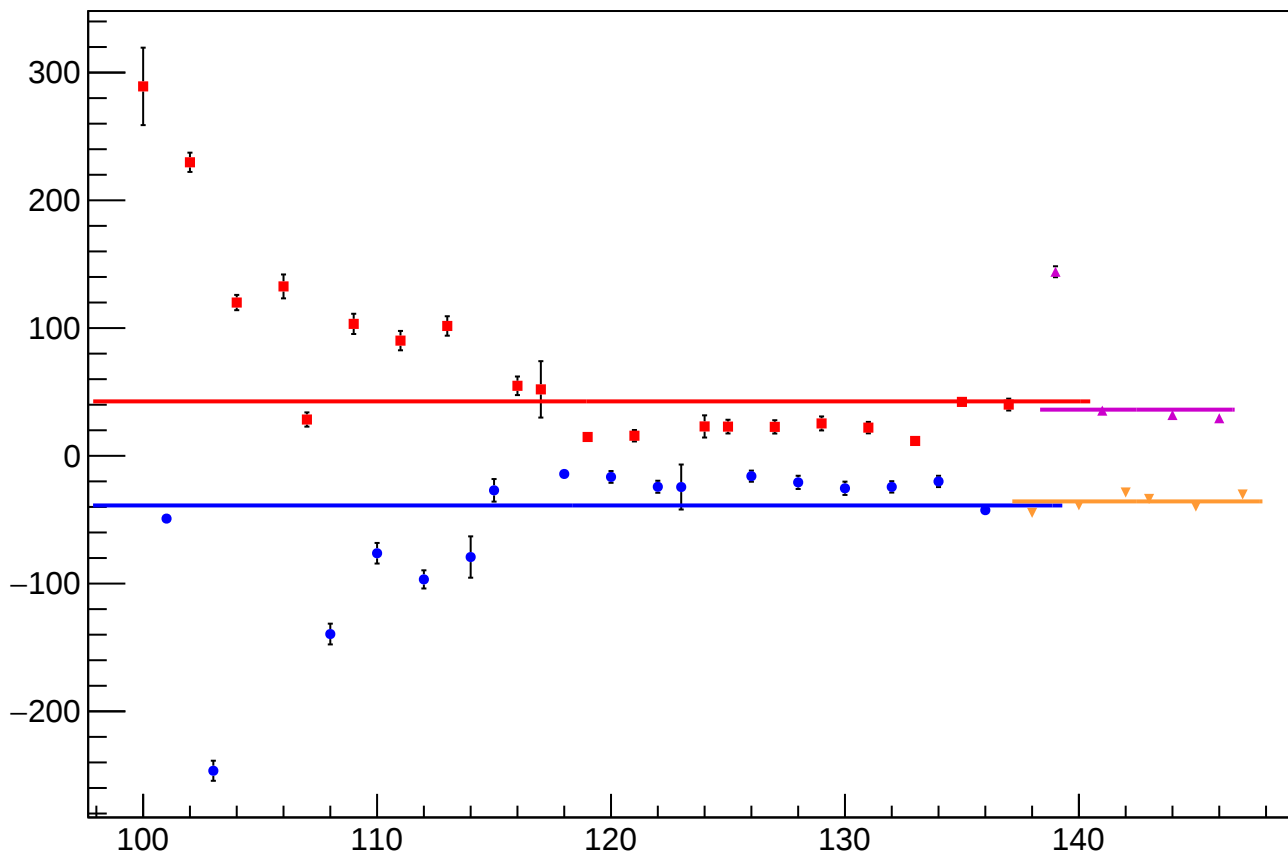
Left In: 40.153+/-1.092 χ^2/NDF : 65.0/3

-52.014+/-0.941 χ^2/NDF : 114.7/5

-12.742+/-0.713 χ^2/NDF : 4266.4/9

40.153+/-1.092 χ^2/NDF : 65.0/3

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 $\pm$ 1.148 χ^2 /NDF: 1121.9/16

Left Out: -35.680 $\pm$ 0.685 χ^2 /NDF: 56.7/5

Right Out: 42.614 $\pm$ 1.208 χ^2 /NDF: 1345.9/19

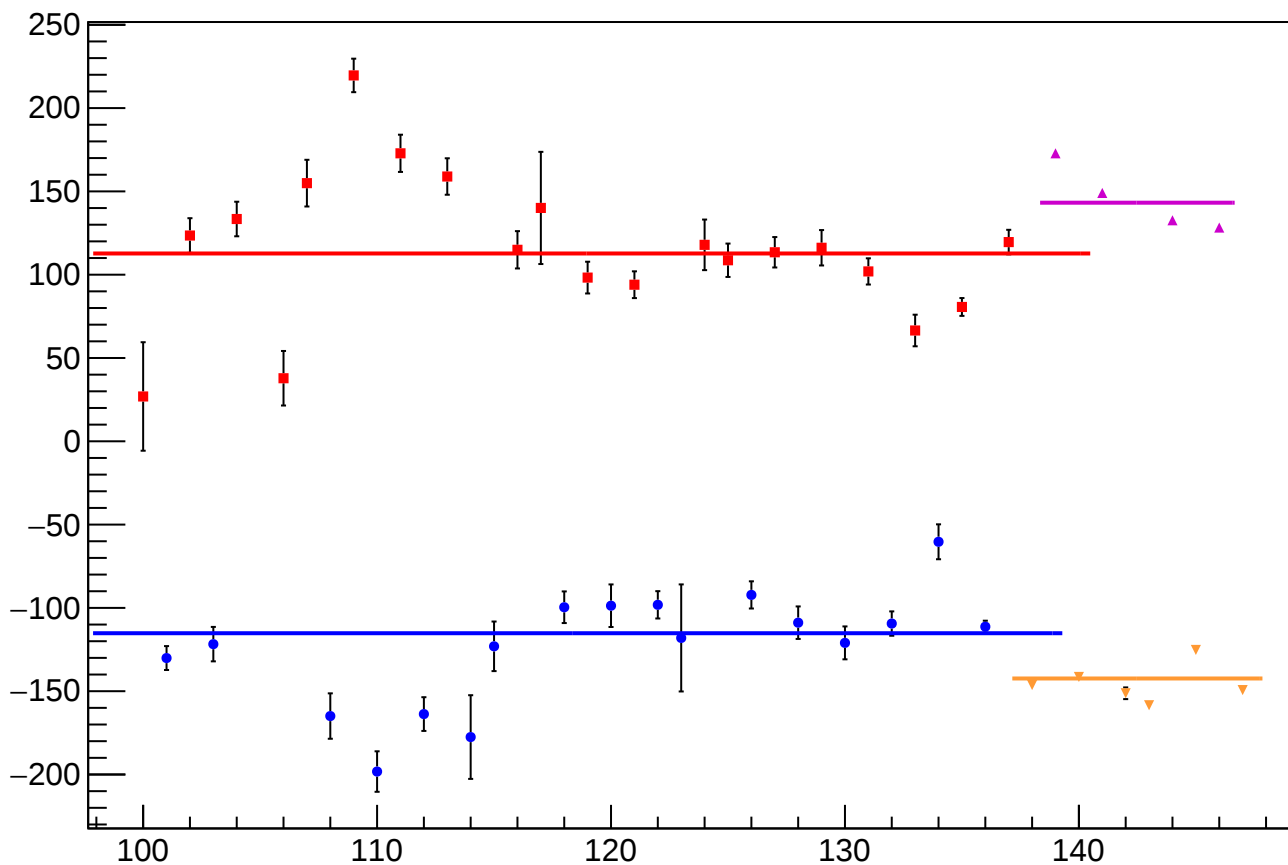
Left In: 36.143 $\pm$ 0.819 χ^2 /NDF: 668.1/3

-36.511 $\pm$ 0.588 χ^2 /NDF: 1184.2/22

-4.423 $\pm$ 0.444 χ^2 /NDF: 10138.9/46

38.181 $\pm$ 0.678 χ^2 /NDF: 2033.6/23

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -142.370 ± 0.991 $\chi^2/\text{NDF}: 121.1/5$

Right Out: 112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

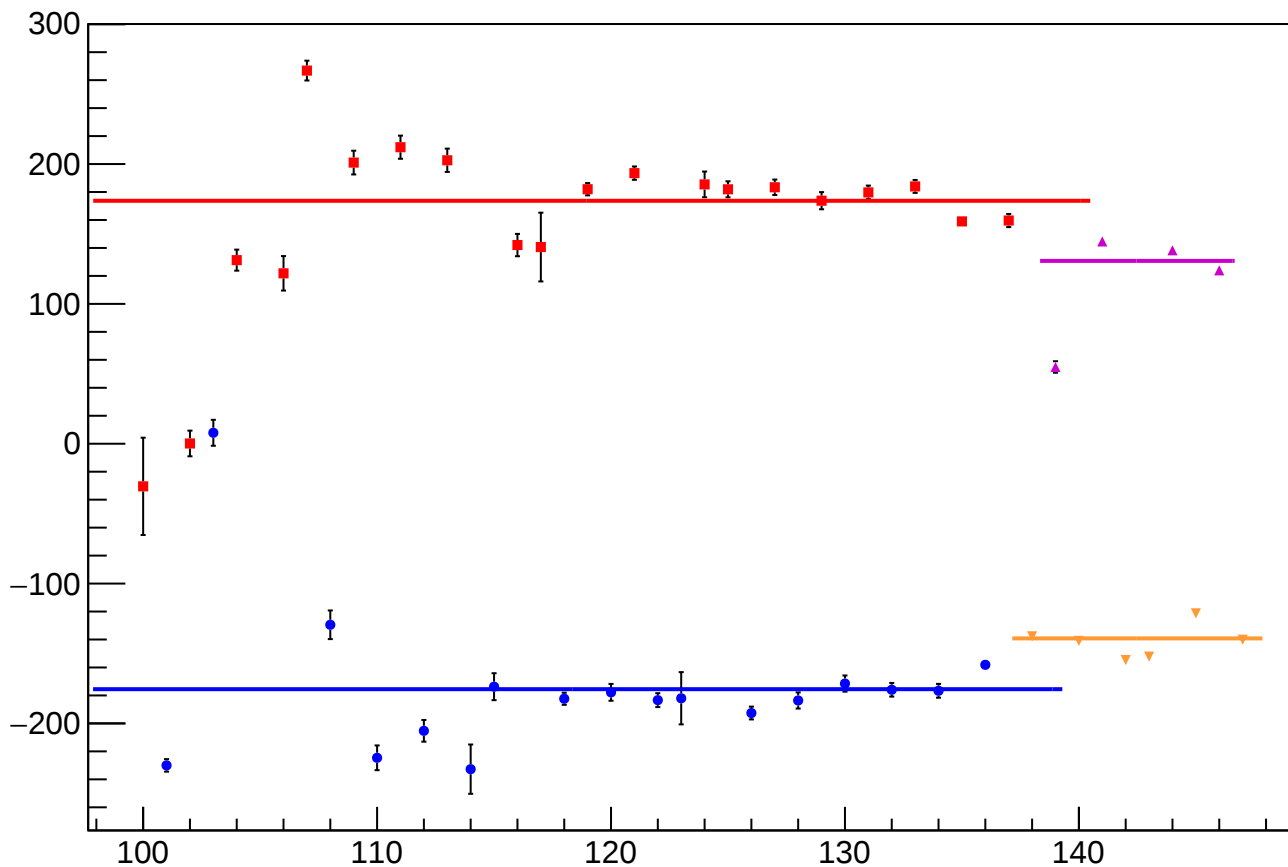
Left In: 143.209 ± 1.138 $\chi^2/\text{NDF}: 210.1/3$

-137.351 ± 0.895 $\chi^2/\text{NDF}: 400.8/22$

-16.984 ± 0.670 $\chi^2/\text{NDF}: 42274.3/46$

136.798 ± 1.011 $\chi^2/\text{NDF}: 634.2/23$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -139.205 ± 0.839 χ^2/NDF : 178.8/5

Right Out: 173.729 ± 1.354 χ^2/NDF : 739.7/19

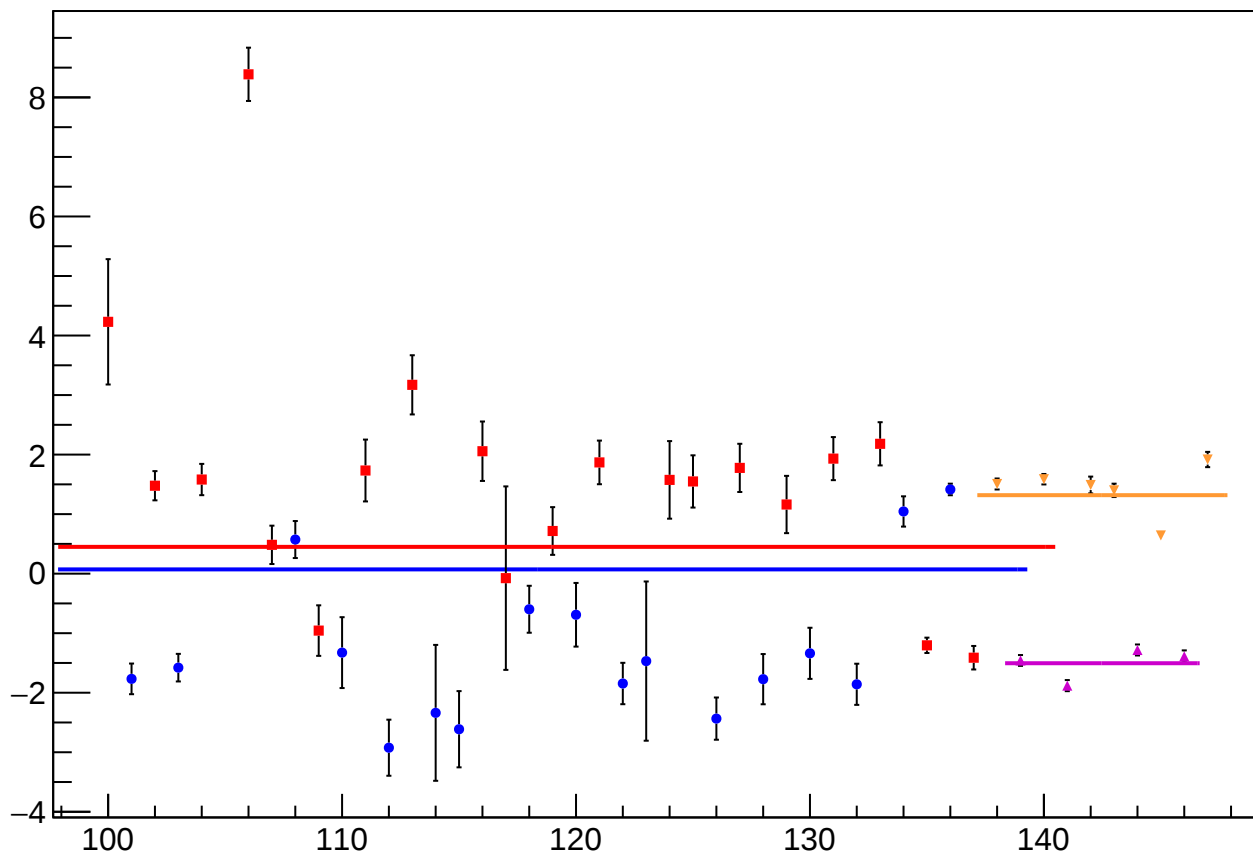
Left In: 130.745 ± 0.985 χ^2/NDF : 430.3/3

-150.146 ± 0.701 χ^2/NDF : 1436.1/22

-21.111 ± 0.526 χ^2/NDF : 80933.2/46

145.621 ± 0.797 χ^2/NDF : 1828.6/23

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.318 ± 0.041 χ^2/NDF : 110.4/5

Right Out: 0.450 ± 0.071 χ^2/NDF : 751.4/19

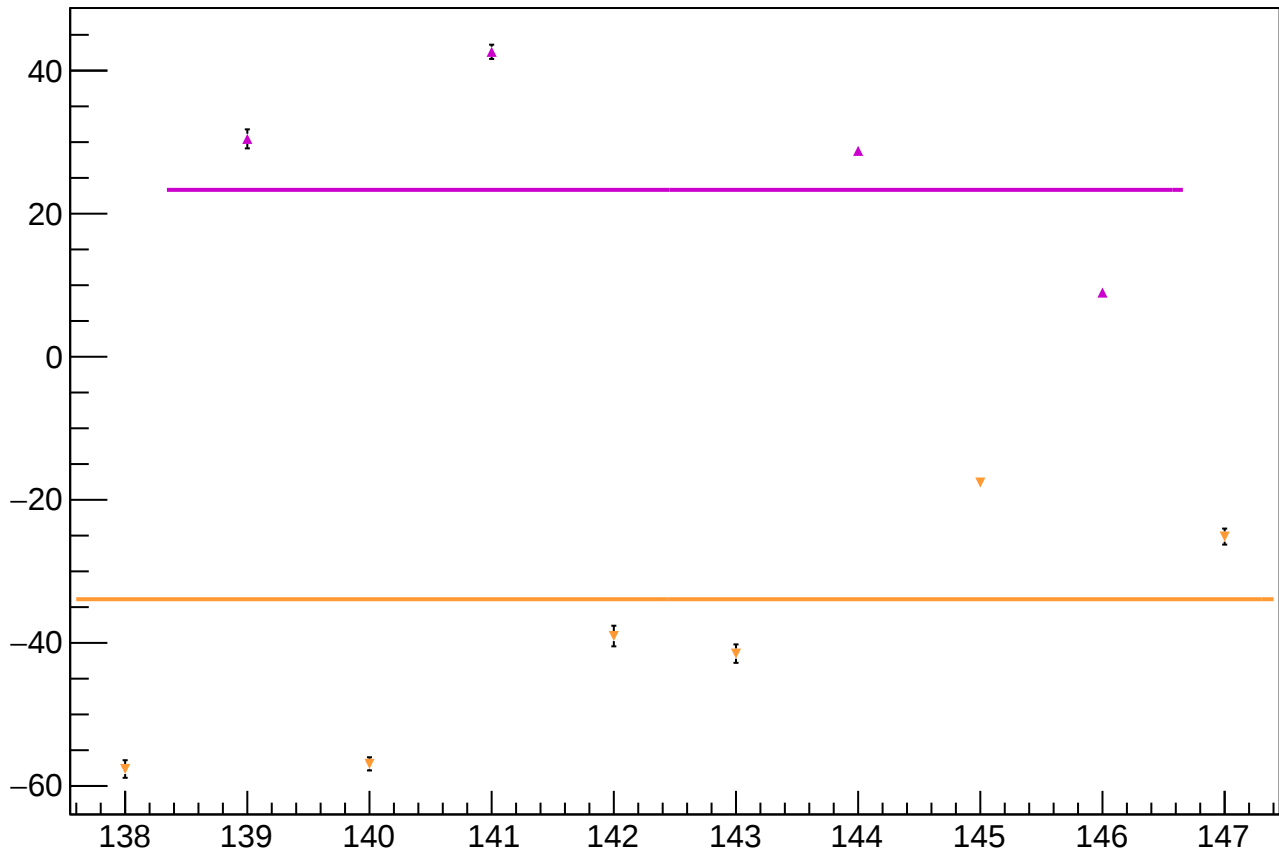
Left In: -1.505 ± 0.047 χ^2/NDF : 23.6/3

0.981 ± 0.035 χ^2/NDF : 887.0/22

0.144 ± 0.026 χ^2/NDF : 3483.4/46

-0.912 ± 0.039 χ^2/NDF : 1299.4/23

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -33.894+/-0.397 χ^2/NDF : 1801.6/5

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

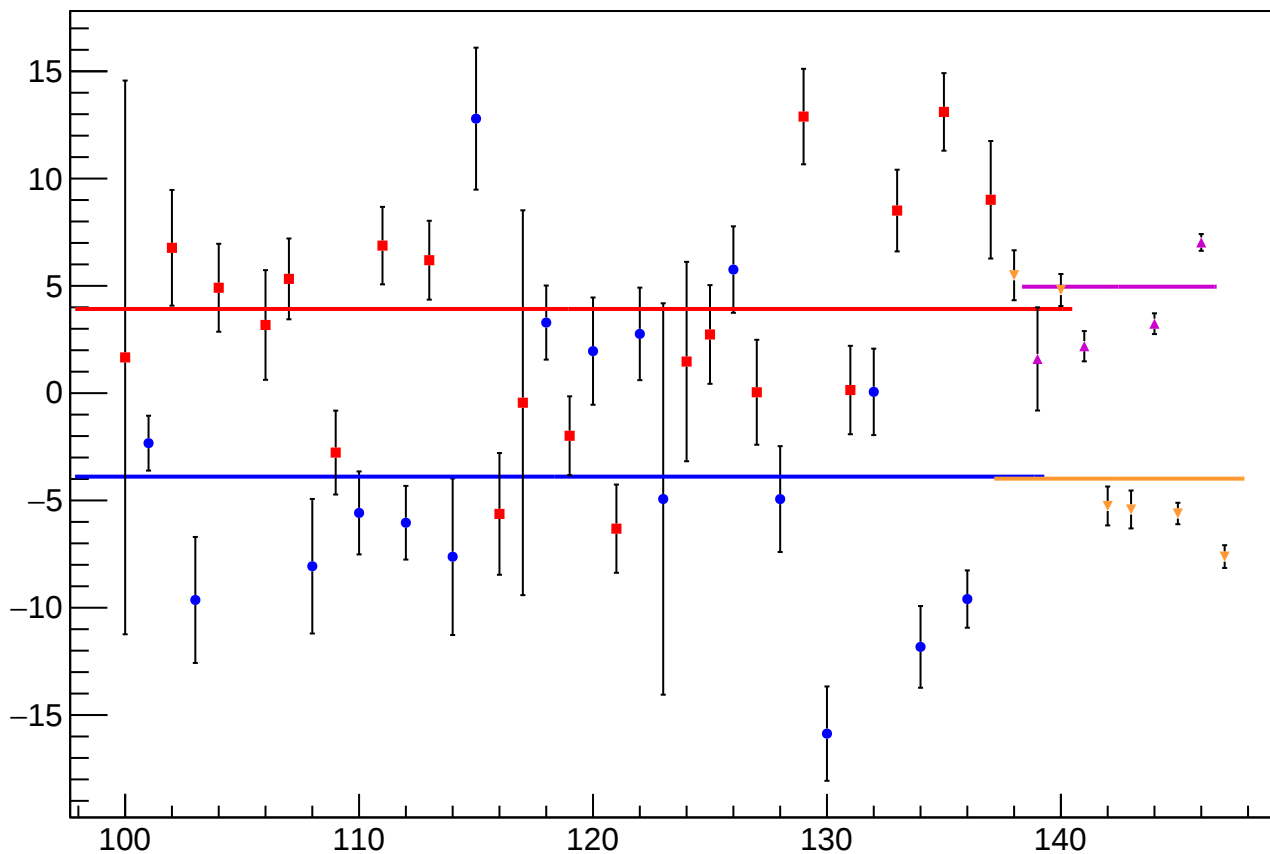
Left In: 23.331+/-0.402 χ^2/NDF : 972.2/3

-33.894+/-0.397 χ^2/NDF : 1801.6/5

-5.628+/-0.283 χ^2/NDF : 13029.7/9

23.331+/-0.402 χ^2/NDF : 972.2/3

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -3.984 ± 0.282 $\chi^2/\text{NDF}: 267.5/5$

Right Out: 3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

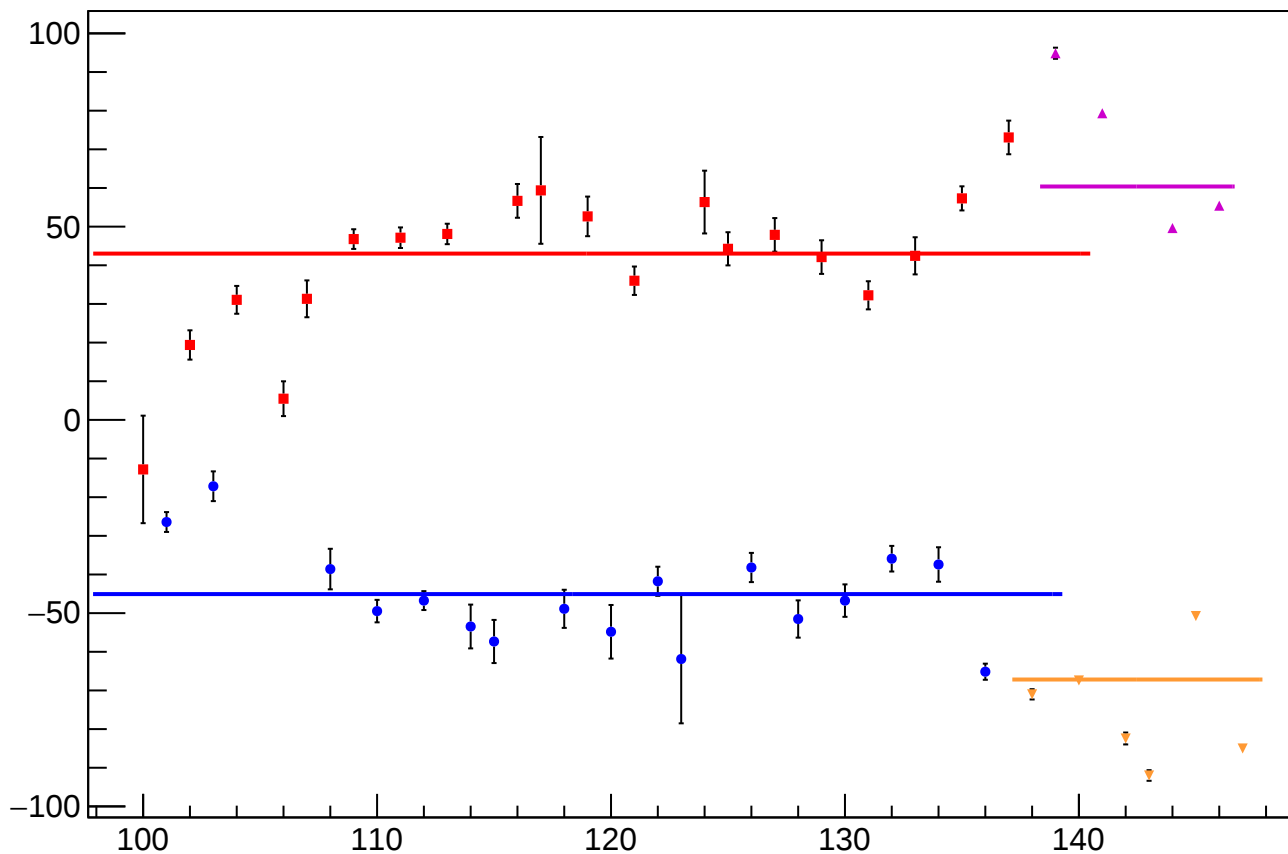
Left In: 4.961 ± 0.277 $\chi^2/\text{NDF}: 58.0/3$

-3.962 ± 0.245 $\chi^2/\text{NDF}: 428.0/22$

0.417 ± 0.173 $\chi^2/\text{NDF}: 1244.1/46$

4.722 ± 0.243 $\chi^2/\text{NDF}: 183.6/23$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -67.172 ± 0.416 χ^2/NDF : 1349.9/5

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

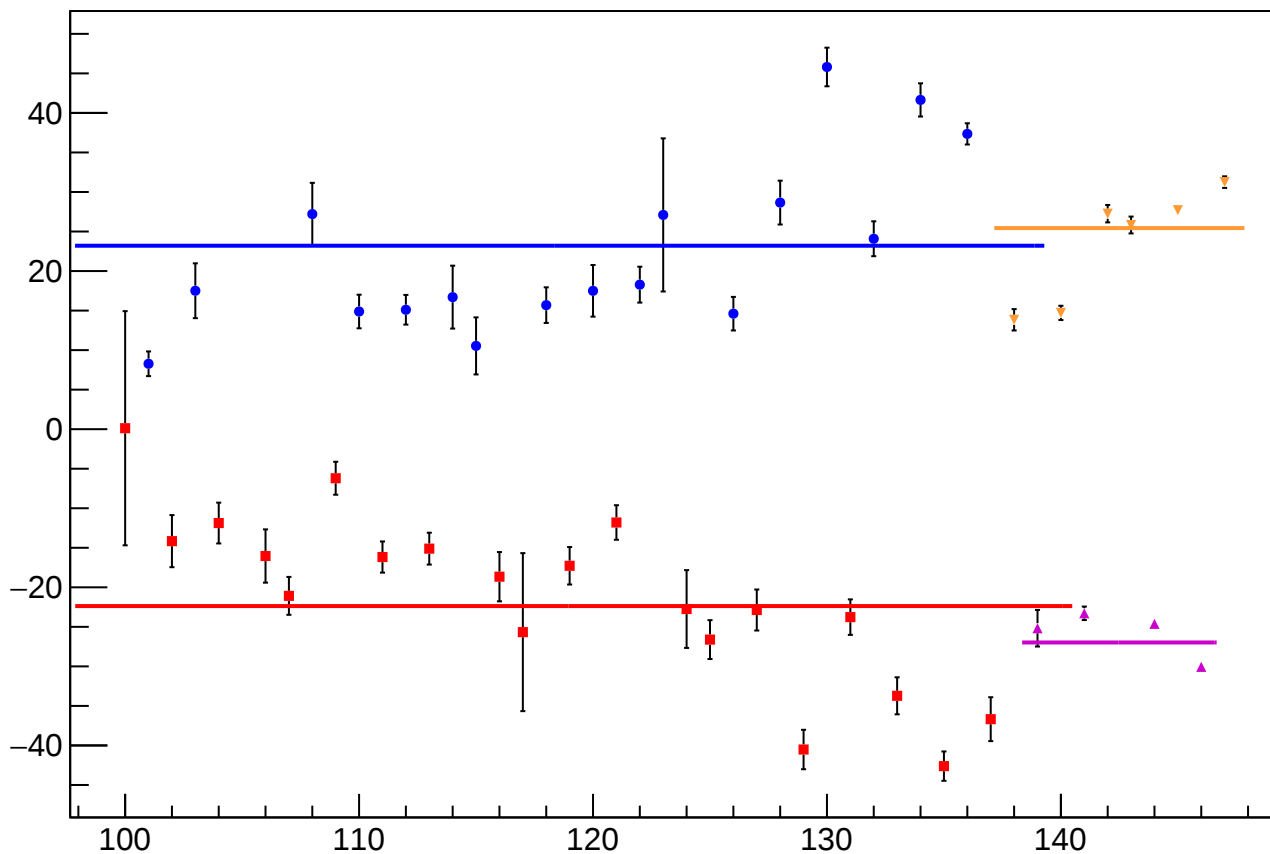
Left In: 60.384 ± 0.411 χ^2/NDF : 1175.9/3

-63.166 ± 0.376 χ^2/NDF : 2092.2/22

-2.344 ± 0.265 χ^2/NDF : 55626.1/46

57.250 ± 0.372 χ^2/NDF : 1747.4/23

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 ± 0.559 $\chi^2/\text{NDF}: 457.3/16$

Left Out: 25.436 ± 0.346 $\chi^2/\text{NDF}: 296.2/5$

Right Out: -22.372 ± 0.572 $\chi^2/\text{NDF}: 367.0/19$

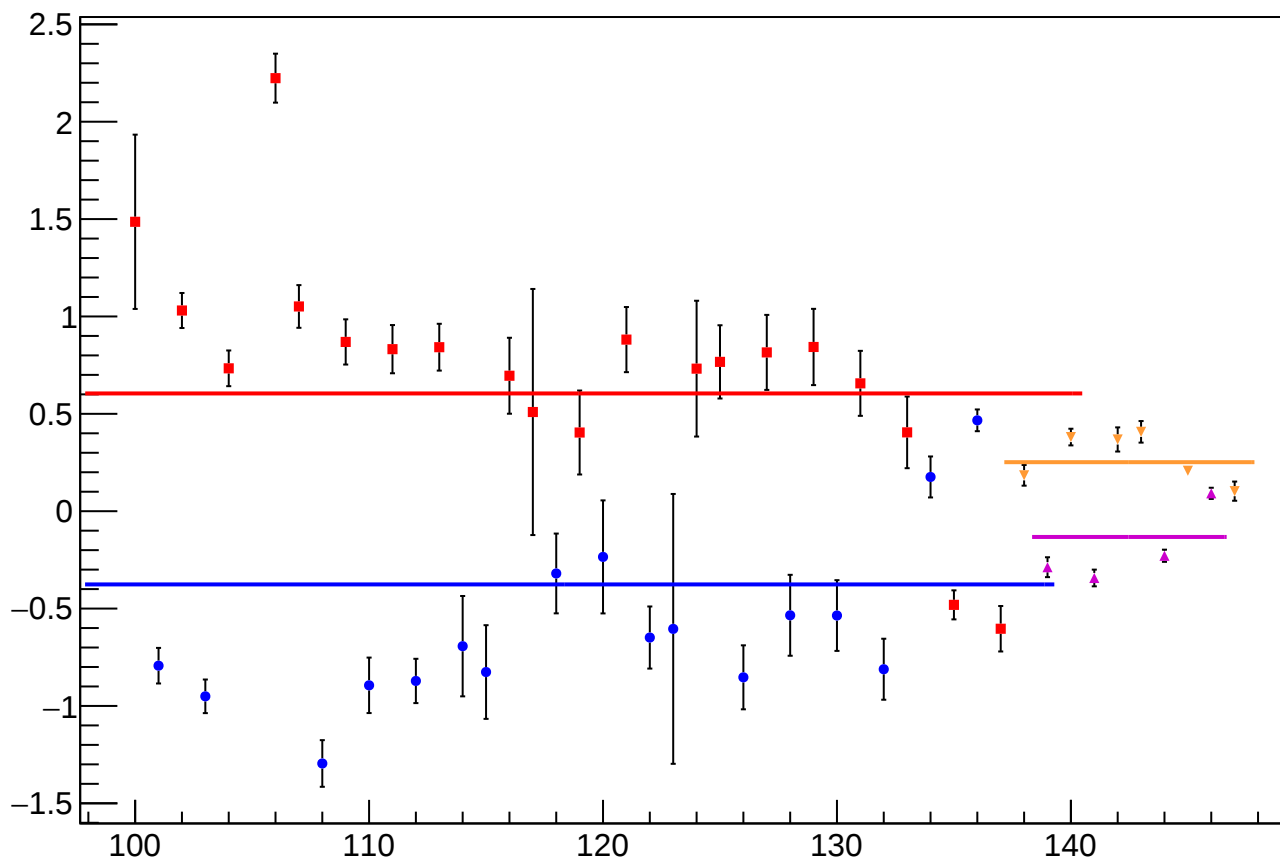
Left In: -26.977 ± 0.339 $\chi^2/\text{NDF}: 75.0/3$

24.818 ± 0.294 $\chi^2/\text{NDF}: 765.0/22$

-0.675 ± 0.207 $\chi^2/\text{NDF}: 16168.9/46$

-25.777 ± 0.292 $\chi^2/\text{NDF}: 490.0/23$

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.252 ± 0.017 $\chi^2/\text{NDF}: 34.2/5$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

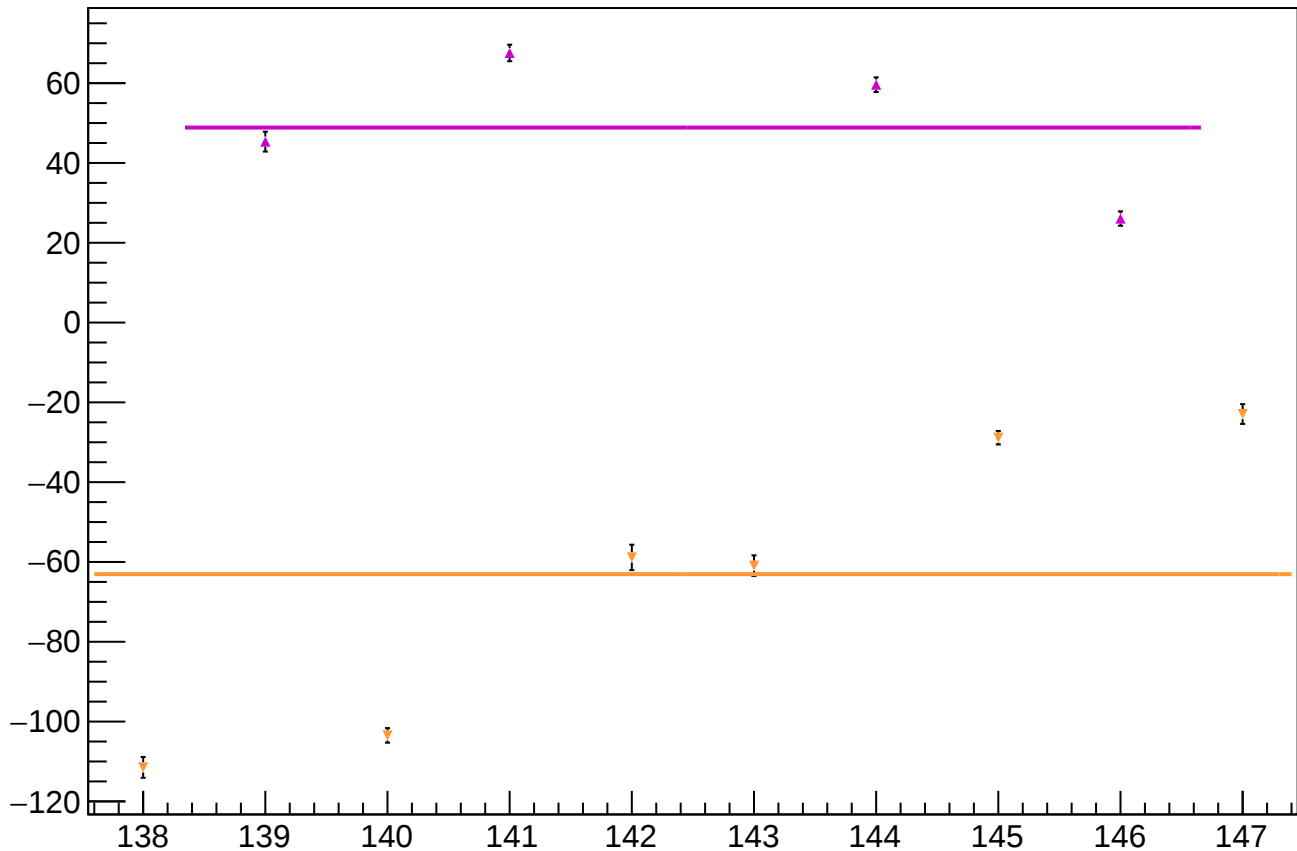
Left In: -0.132 ± 0.018 $\chi^2/\text{NDF}: 103.9/3$

0.098 ± 0.015 $\chi^2/\text{NDF}: 799.6/22$

0.078 ± 0.011 $\chi^2/\text{NDF}: 1900.8/46$

0.057 ± 0.015 $\chi^2/\text{NDF}: 1097.6/23$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -63.056+/-0.912 χ^2/NDF :1503.9/5

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

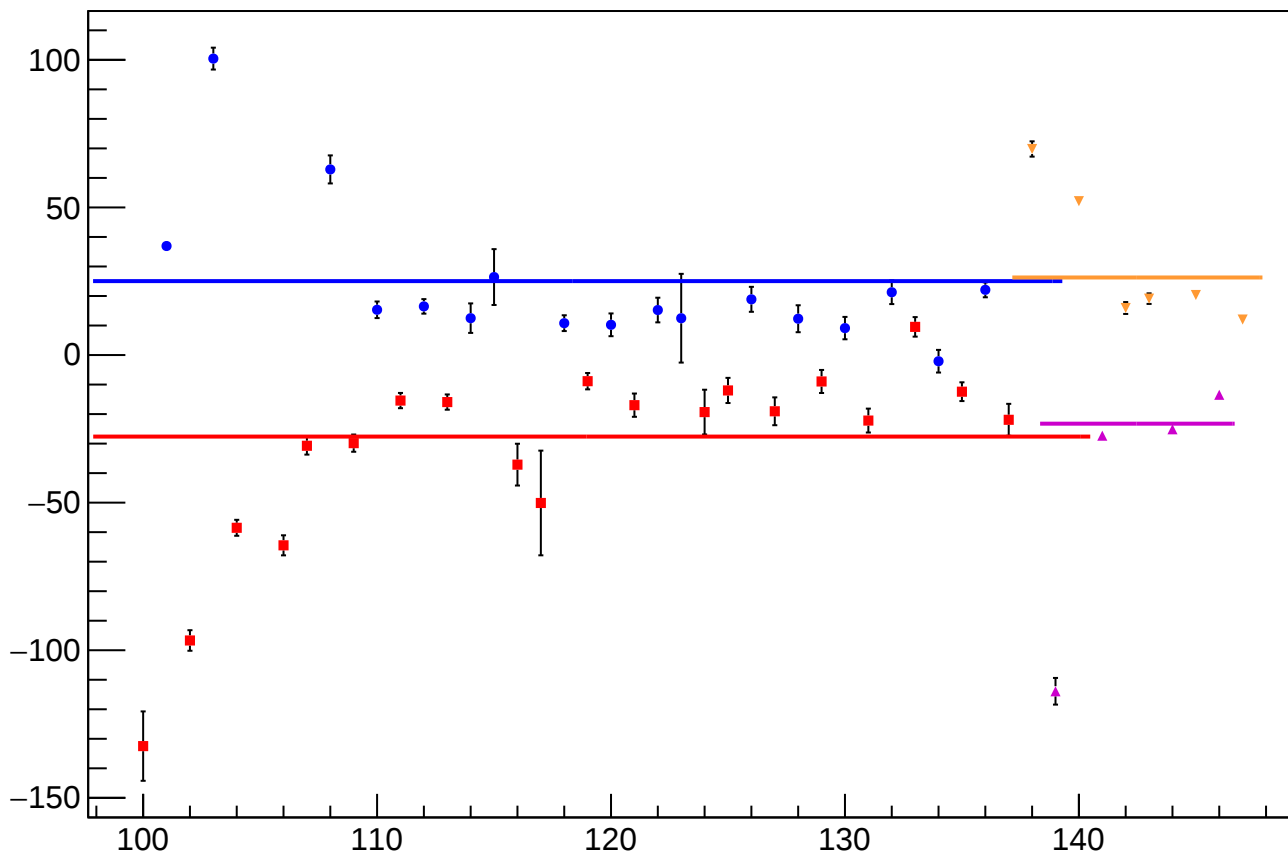
Left In: 48.868+/-1.003 χ^2/NDF :276.2/3

-63.056+/-0.912 χ^2/NDF : 1503.9/5

-12.409+/-0.675 χ^2/NDF : 8600.1/9

48.868+/-1.003 χ^2/NDF : 276.2/3

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16

Left Out: 26.273 ± 0.649 χ^2/NDF : 784.2/5

Right Out: -27.620 ± 0.809 χ^2/NDF : 1014.4/19

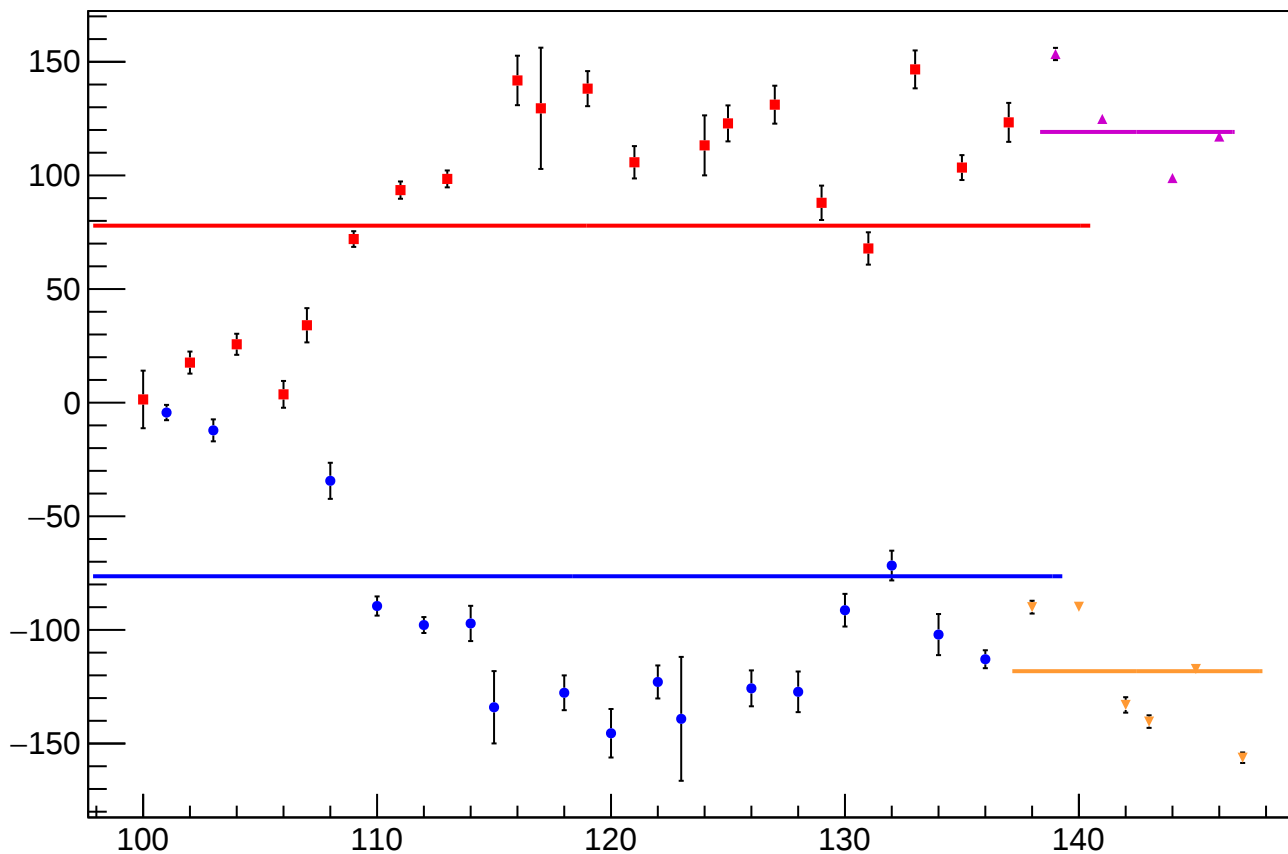
Left In: -23.251 ± 0.737 χ^2/NDF : 484.9/3

25.791 ± 0.505 χ^2/NDF : 1472.1/22

2.197 ± 0.371 χ^2/NDF : 7700.3/46

-25.233 ± 0.545 χ^2/NDF : 1515.2/23

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392+/-1.416 χ^2/NDF : 1031.9/16

Left Out: -118.165+/-0.952 χ^2/NDF : 664.7/5

Right Out: 77.894+/-1.351 χ^2/NDF : 876.4/19

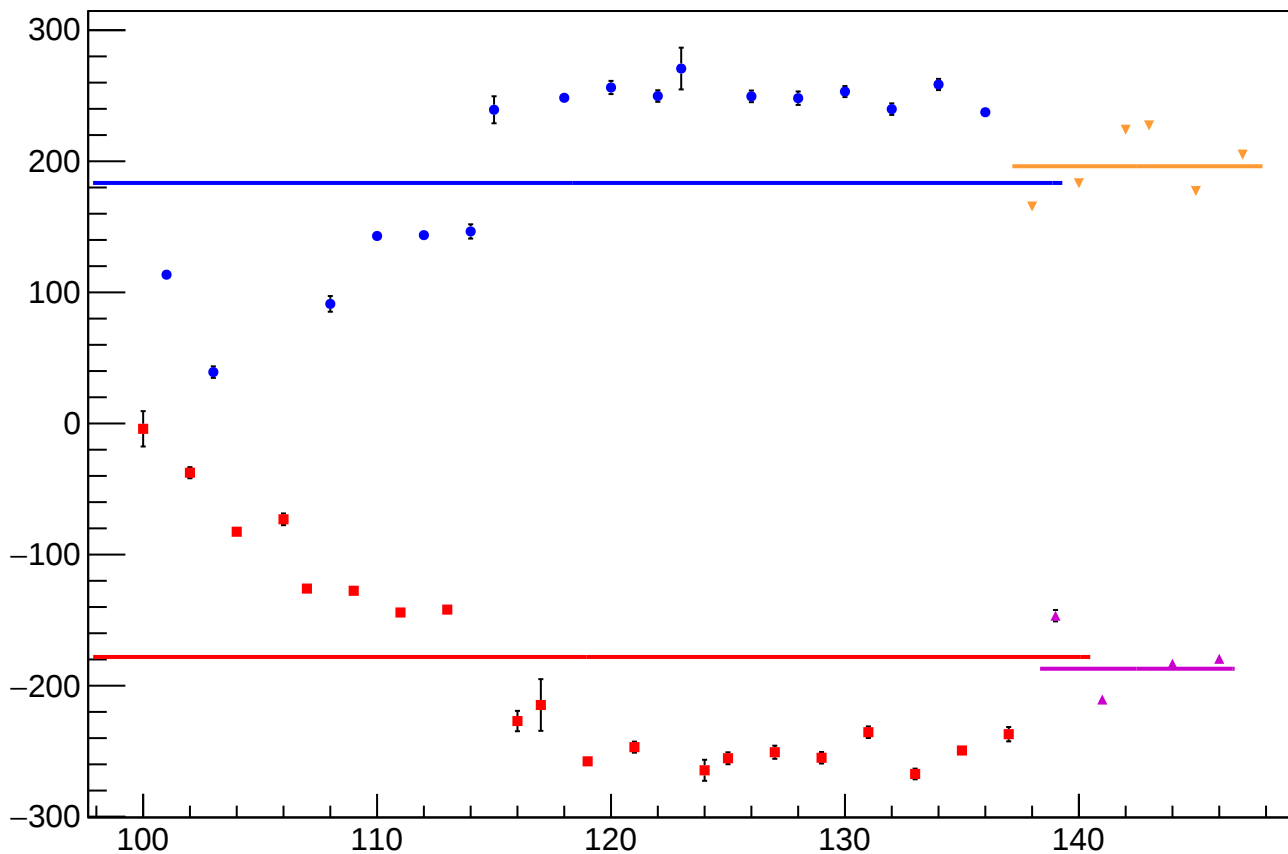
Left In: 119.138+/-1.036 χ^2/NDF : 276.2/3

-105.157+/-0.790 χ^2/NDF : 2295.8/22

-4.787+/-0.570 χ^2/NDF : 37624.3/46

103.862+/-0.822 χ^2/NDF : 1739.3/23

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 $\pm$ 0.919 χ^2/NDF : 5331.4/16

Left Out: 196.206 $\pm$ 0.798 χ^2/NDF : 666.5/5

Right Out: -178.092 $\pm$ 0.923 χ^2/NDF : 6349.2/19

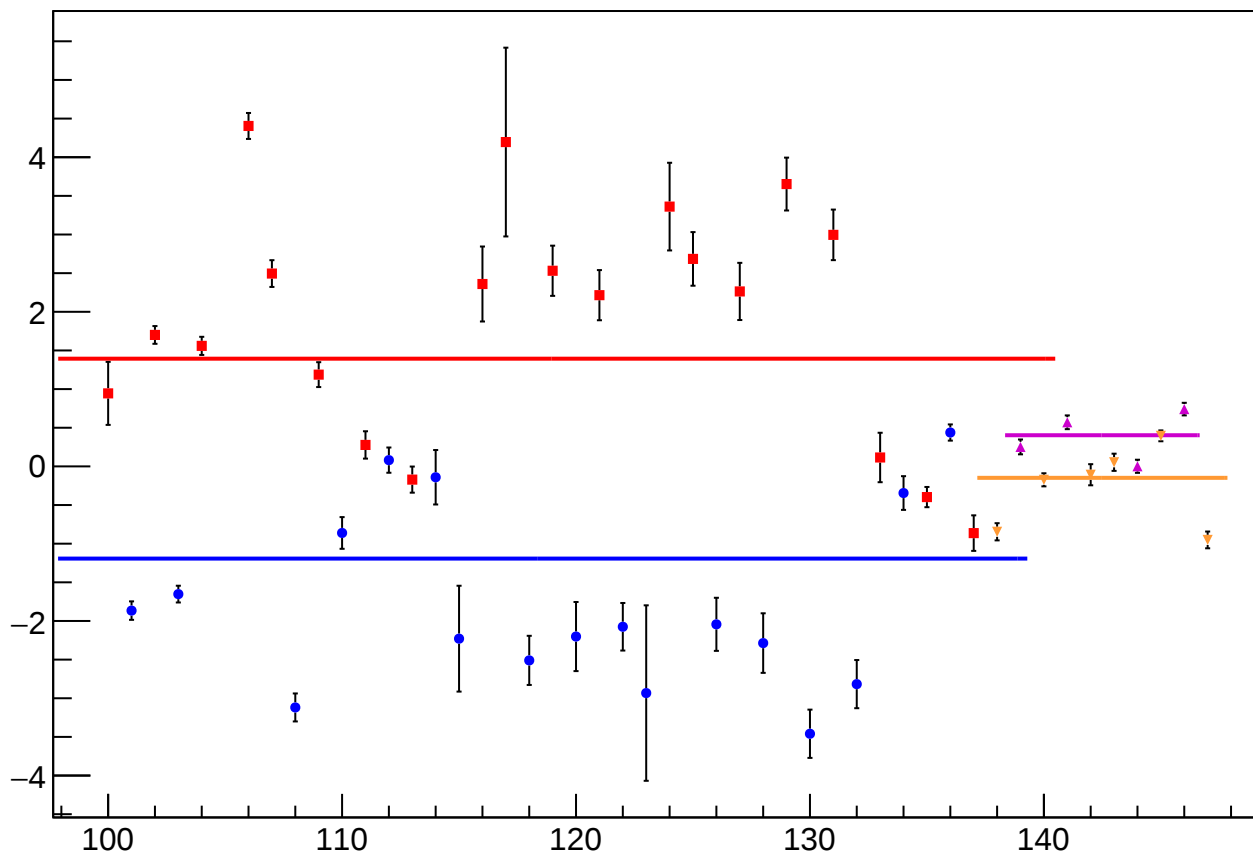
Left In: -187.067 $\pm$ 0.887 χ^2/NDF : 294.8/3

190.731 $\pm$ 0.602 χ^2/NDF : 6107.3/22

15.172 $\pm$ 0.439 χ^2/NDF : 193441.1/46

-182.755 $\pm$ 0.640 χ^2/NDF : 6693.1/23

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.148 ± 0.039 χ^2/NDF : 157.4/5

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

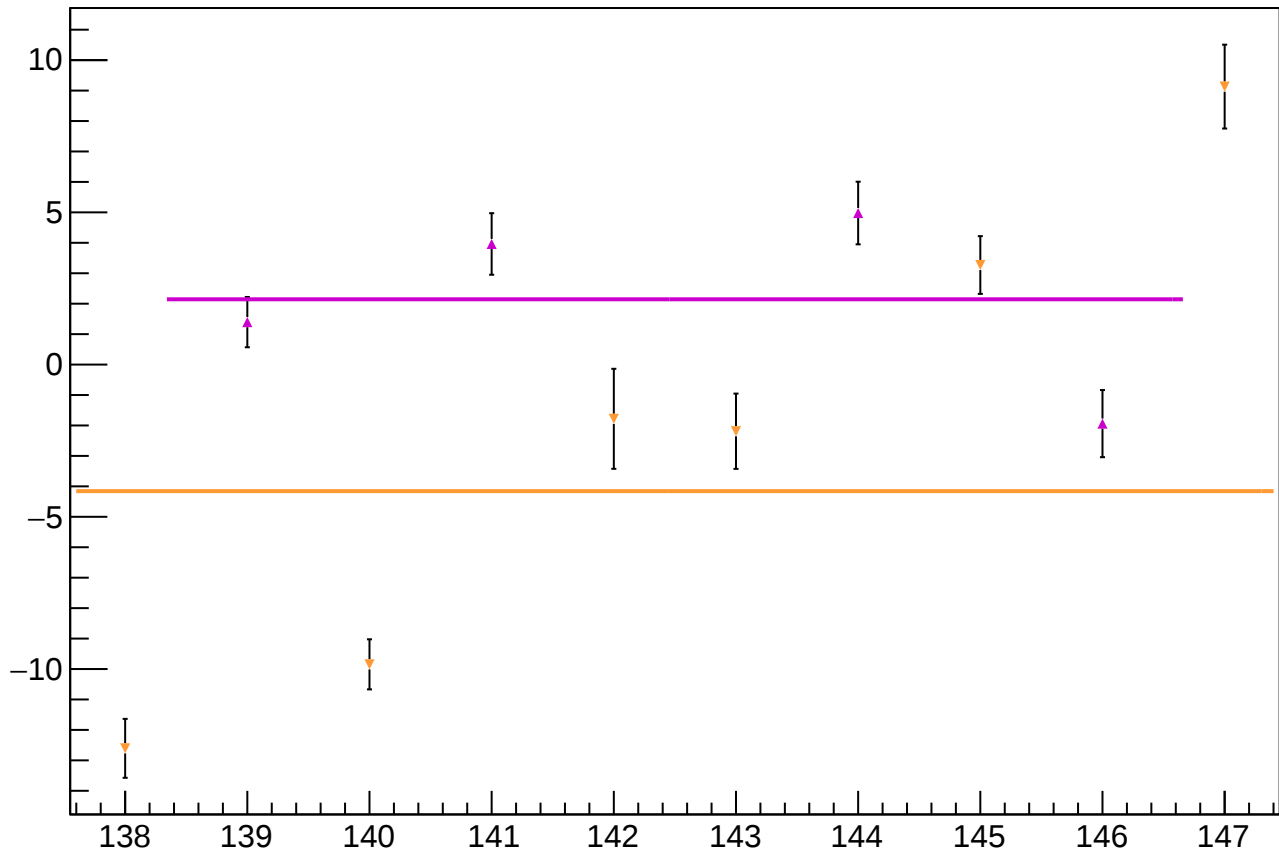
Left In: 0.403 ± 0.044 χ^2/NDF : 45.6/3

-0.568 ± 0.031 χ^2/NDF : 1060.5/22

0.128 ± 0.022 χ^2/NDF : 3354.7/46

0.875 ± 0.032 χ^2/NDF : 1216.4/23

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -4.157+/-0.438 χ^2/NDF : 283.1/5

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

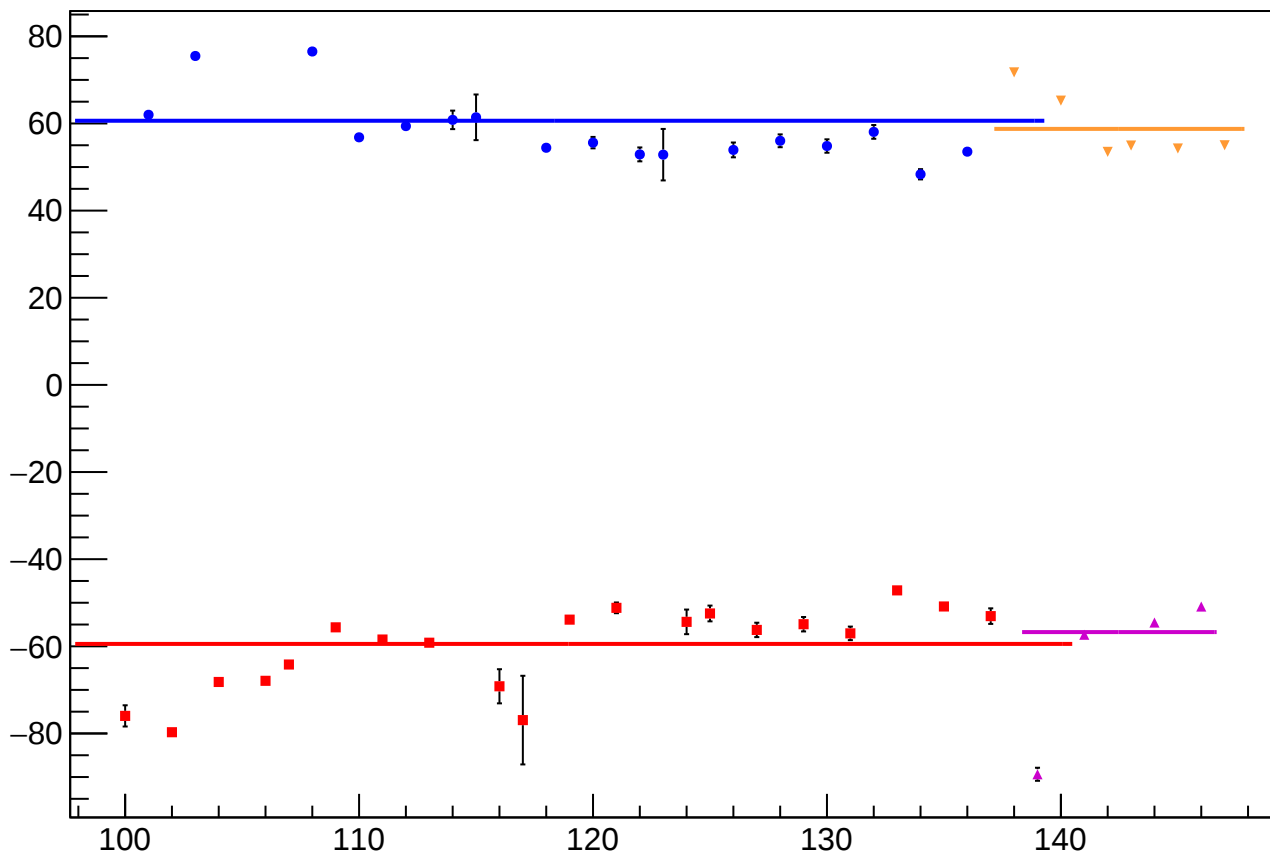
Left In: 2.144+/-0.487 χ^2/NDF : 25.4/3

-4.157+/-0.438 χ^2/NDF : 283.1/5

-1.339+/-0.326 χ^2/NDF : 400.9/9

2.144+/-0.487 χ^2/NDF : 25.4/3

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 ± 0.263 $\chi^2/\text{NDF}: 924.6/16$

Left Out: 58.757 ± 0.330 $\chi^2/\text{NDF}: 354.1/5$

Right Out: -59.448 ± 0.248 $\chi^2/\text{NDF}: 1326.3/19$

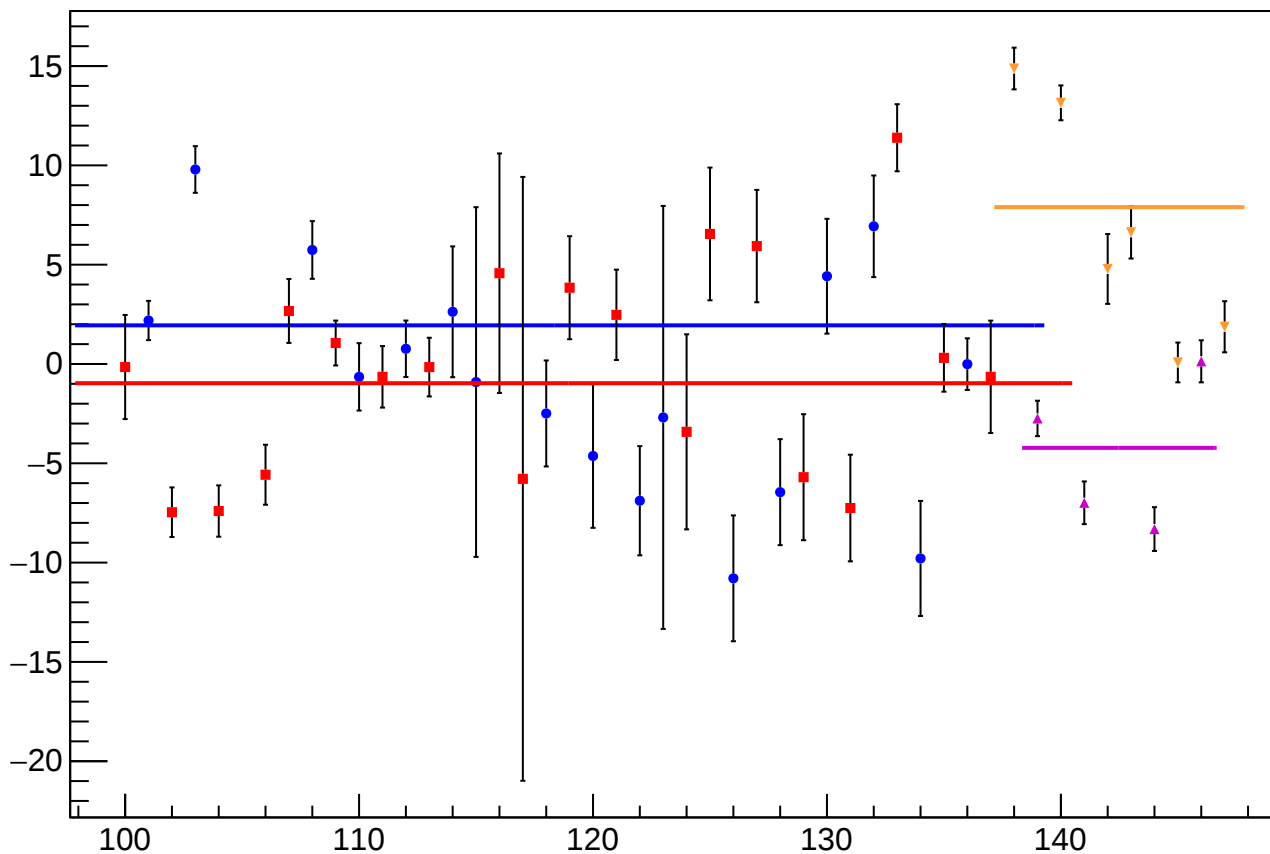
Left In: -56.733 ± 0.403 $\chi^2/\text{NDF}: 552.5/3$

59.899 ± 0.206 $\chi^2/\text{NDF}: 1298.3/22$

2.119 ± 0.147 $\chi^2/\text{NDF}: 165198.6/46$

-58.703 ± 0.211 $\chi^2/\text{NDF}: 1911.7/23$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 7.896 ± 0.461 χ^2/NDF : 167.0/5

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

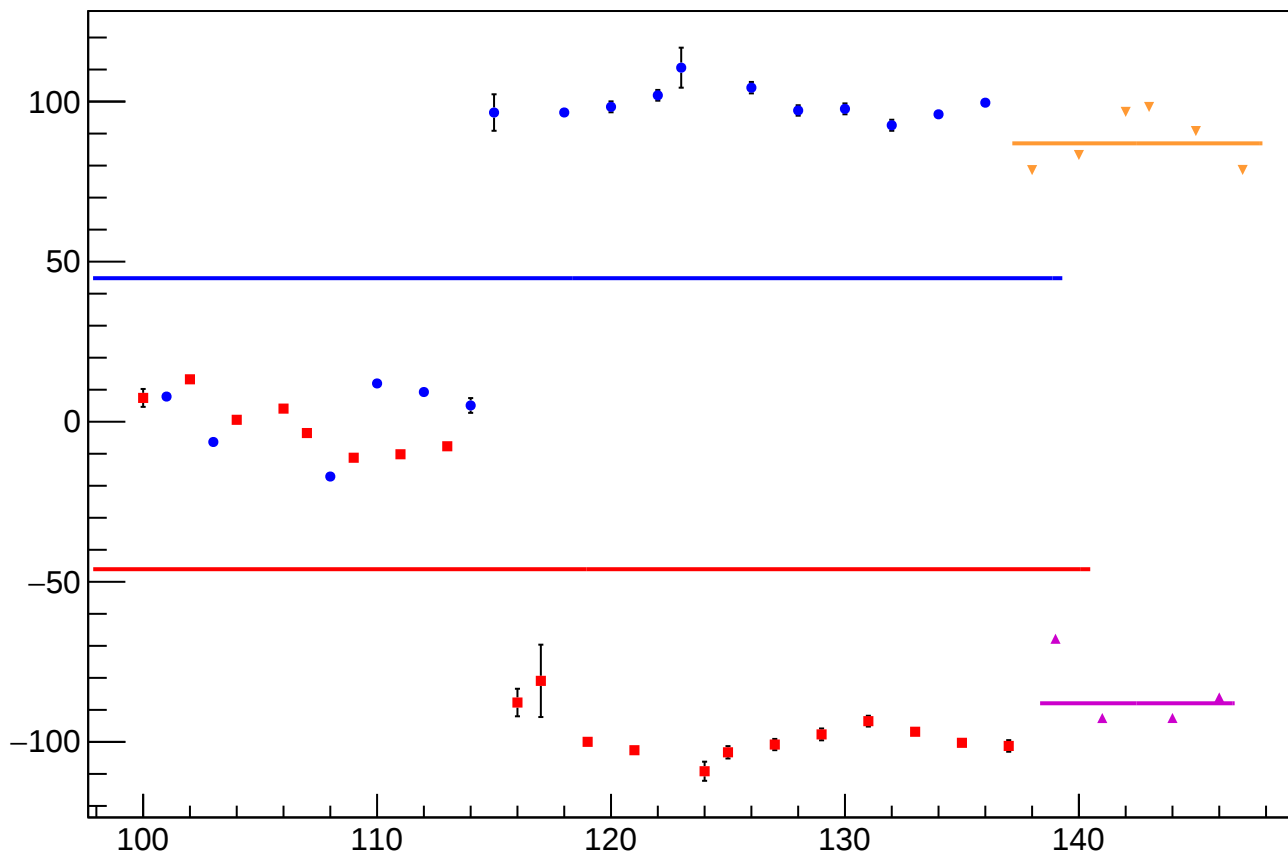
Left In: -4.224 ± 0.511 χ^2/NDF : 40.1/3

4.907 ± 0.325 χ^2/NDF : 371.3/22

1.316 ± 0.230 χ^2/NDF : 829.7/46

-2.298 ± 0.326 χ^2/NDF : 213.8/23

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 86.946+/-0.401 χ^2/NDF : 355.3/5

Right Out: -46.062+/-0.289 χ^2/NDF : 28272.9/19

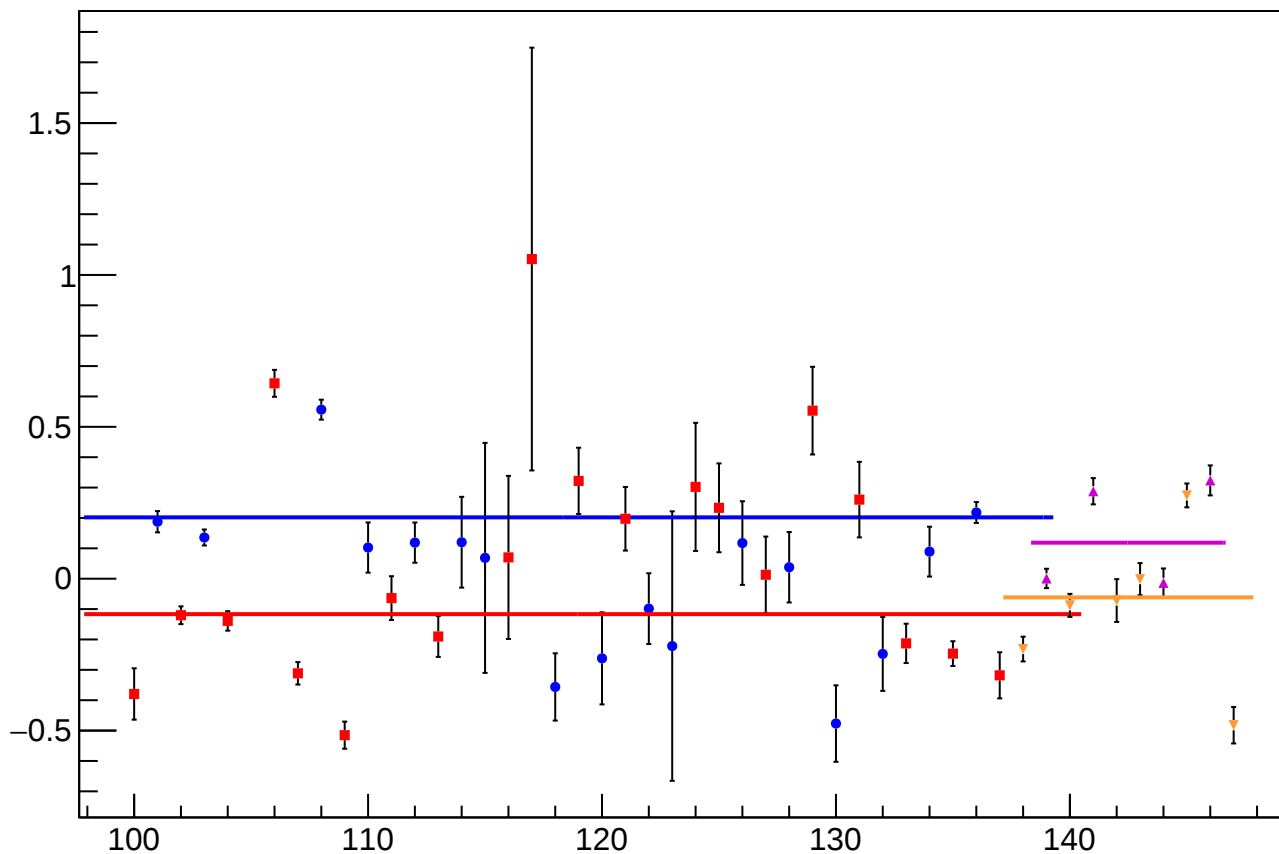
Left In: -87.939+/-0.476 χ^2/NDF : 254.9/3

60.238+/-0.243 χ^2/NDF : 32110.2/22

2.547+/-0.173 χ^2/NDF : 181569.2/46

-57.370+/-0.247 χ^2/NDF : 34182.4/23

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202+/-0.014 χ^2/NDF : 216.0/16

Left Out: -0.061+/-0.019 χ^2/NDF : 141.4/5

Right Out: -0.117+/-0.013 χ^2/NDF : 502.5/19

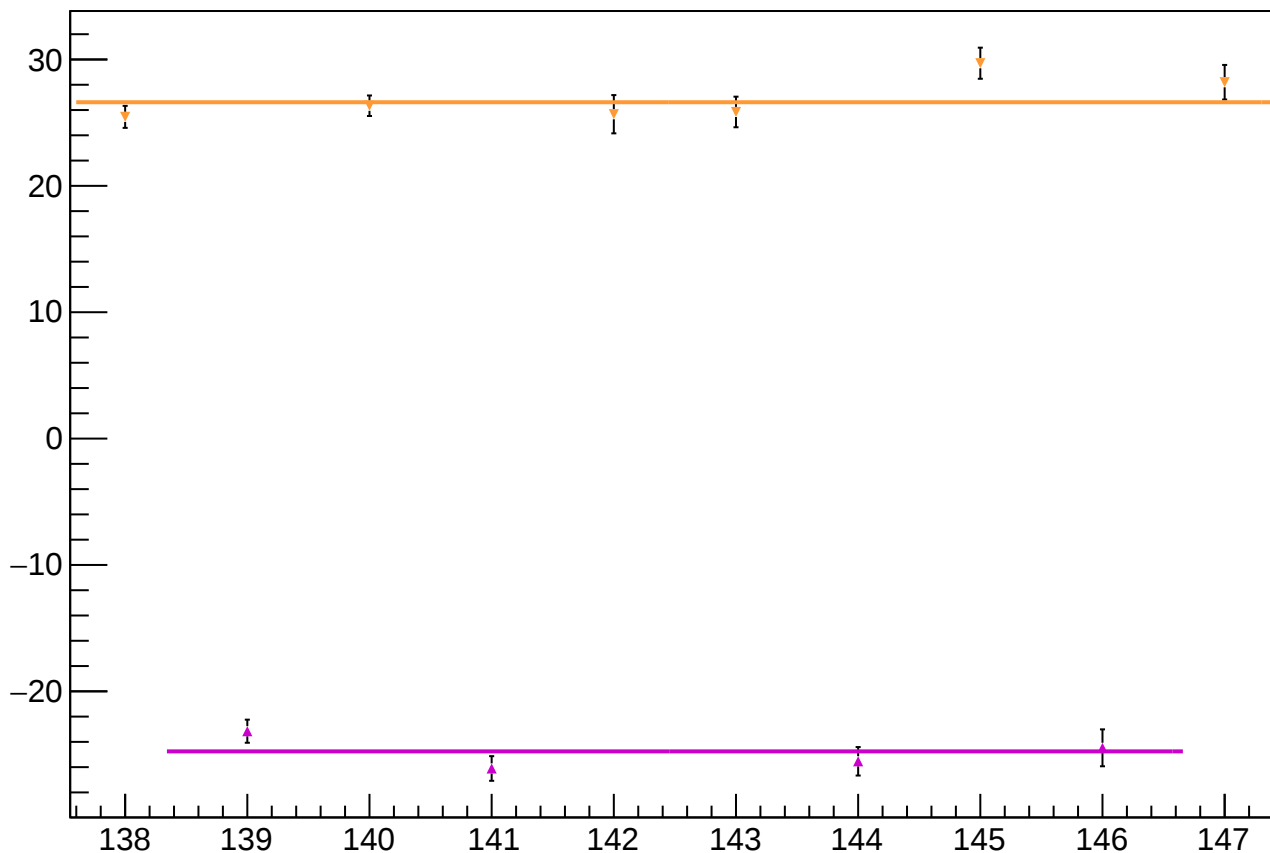
Left In: 0.119+/-0.021 χ^2/NDF : 54.0/3

0.108+/-0.011 χ^2/NDF : 482.0/22

0.028+/-0.008 χ^2/NDF : 1232.1/46

-0.049+/-0.011 χ^2/NDF : 650.0/23

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 26.617+/-0.441 χ^2/NDF : 10.3/5

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

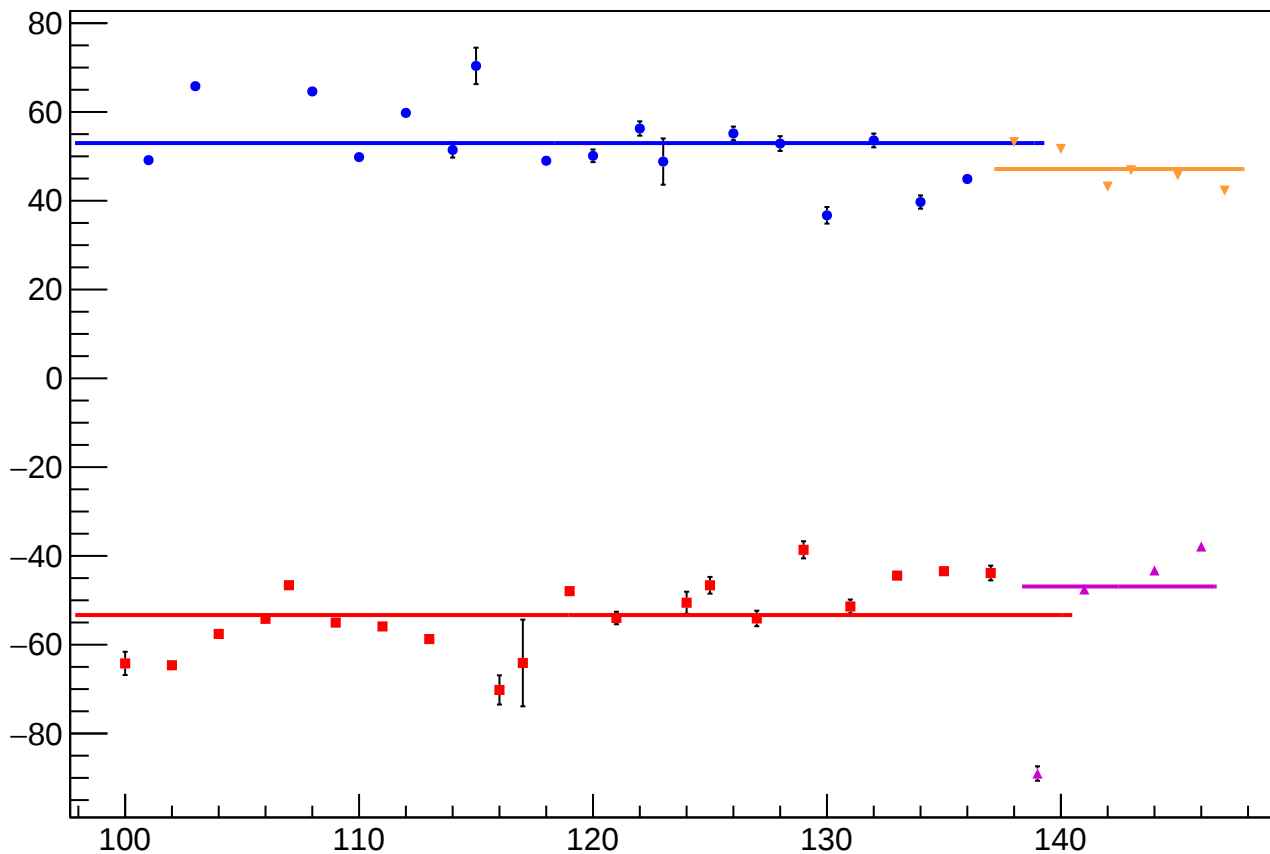
Left In: -24.752+/-0.534 χ^2/NDF : 5.5/3

26.617+/-0.441 χ^2/NDF : 10.3/5

5.809+/-0.340 χ^2/NDF : 5517.2/9

-24.752+/-0.534 χ^2/NDF : 5.5/3

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 ± 0.211 $\chi^2/\text{NDF}: 1198.0/16$

Left Out: 47.150 ± 0.328 $\chi^2/\text{NDF}: 165.0/5$

Right Out: -53.320 ± 0.227 $\chi^2/\text{NDF}: 876.8/19$

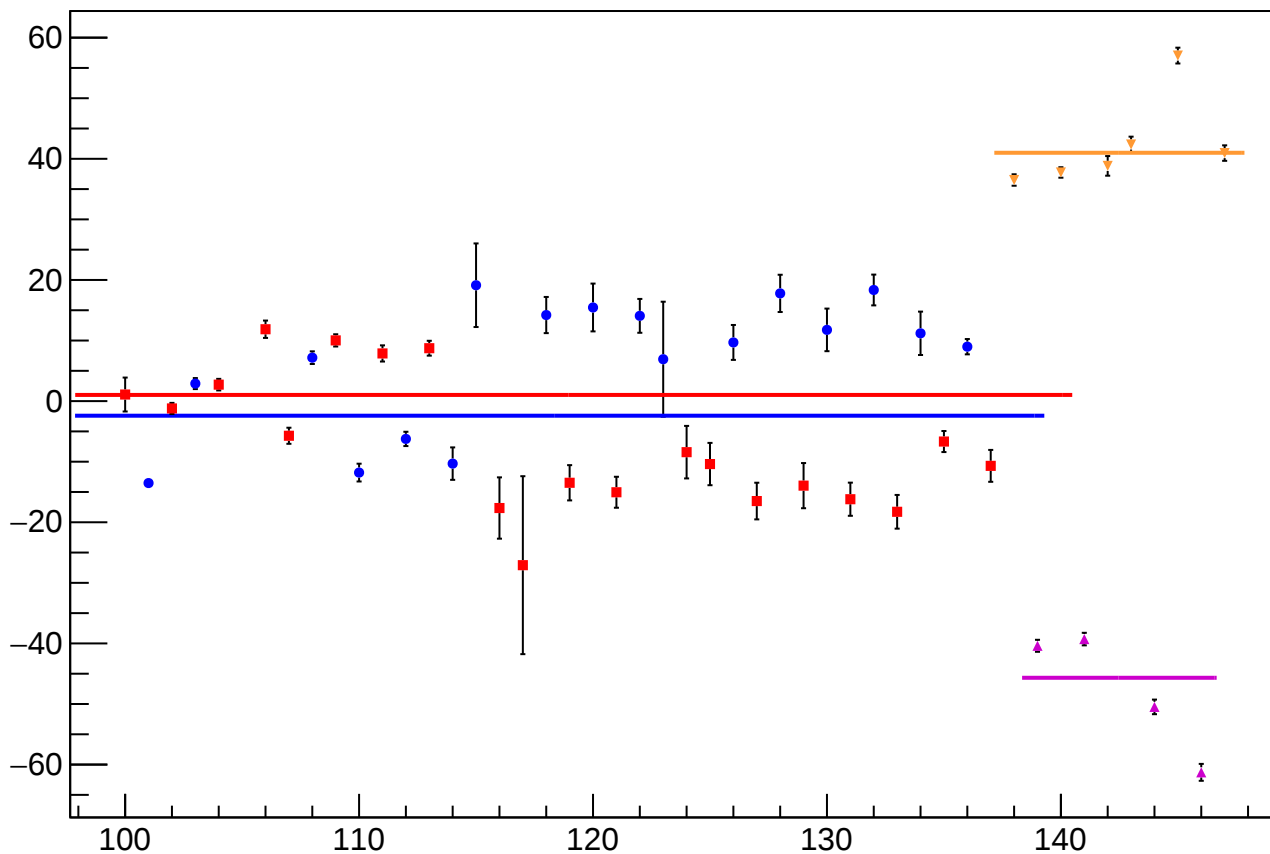
Left In: -46.886 ± 0.436 $\chi^2/\text{NDF}: 789.7/3$

51.283 ± 0.177 $\chi^2/\text{NDF}: 1587.1/22$

6.104 ± 0.133 $\chi^2/\text{NDF}: 151575.9/46$

-51.953 ± 0.201 $\chi^2/\text{NDF}: 1837.8/23$

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 40.997 ± 0.464 χ^2/NDF : 190.8/5

Right Out: 1.021 ± 0.377 χ^2/NDF : 511.2/19

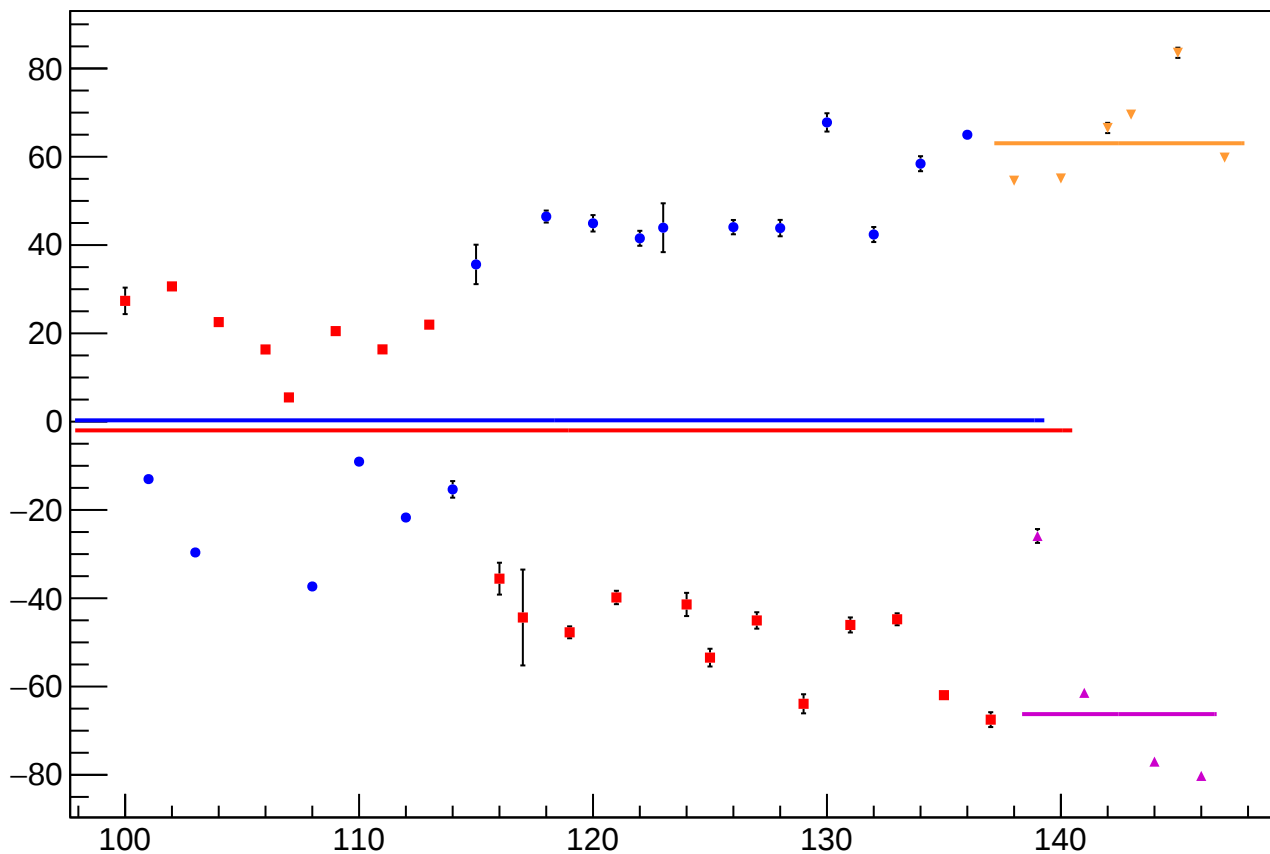
Left In: -45.671 ± 0.563 χ^2/NDF : 207.4/3

14.125 ± 0.287 χ^2/NDF : 6432.4/22

1.574 ± 0.211 χ^2/NDF : 16102.4/46

-13.416 ± 0.313 χ^2/NDF : 5463.4/23

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 63.057 ± 0.401 $\chi^2/\text{NDF}: 544.1/5$

Right Out: -1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

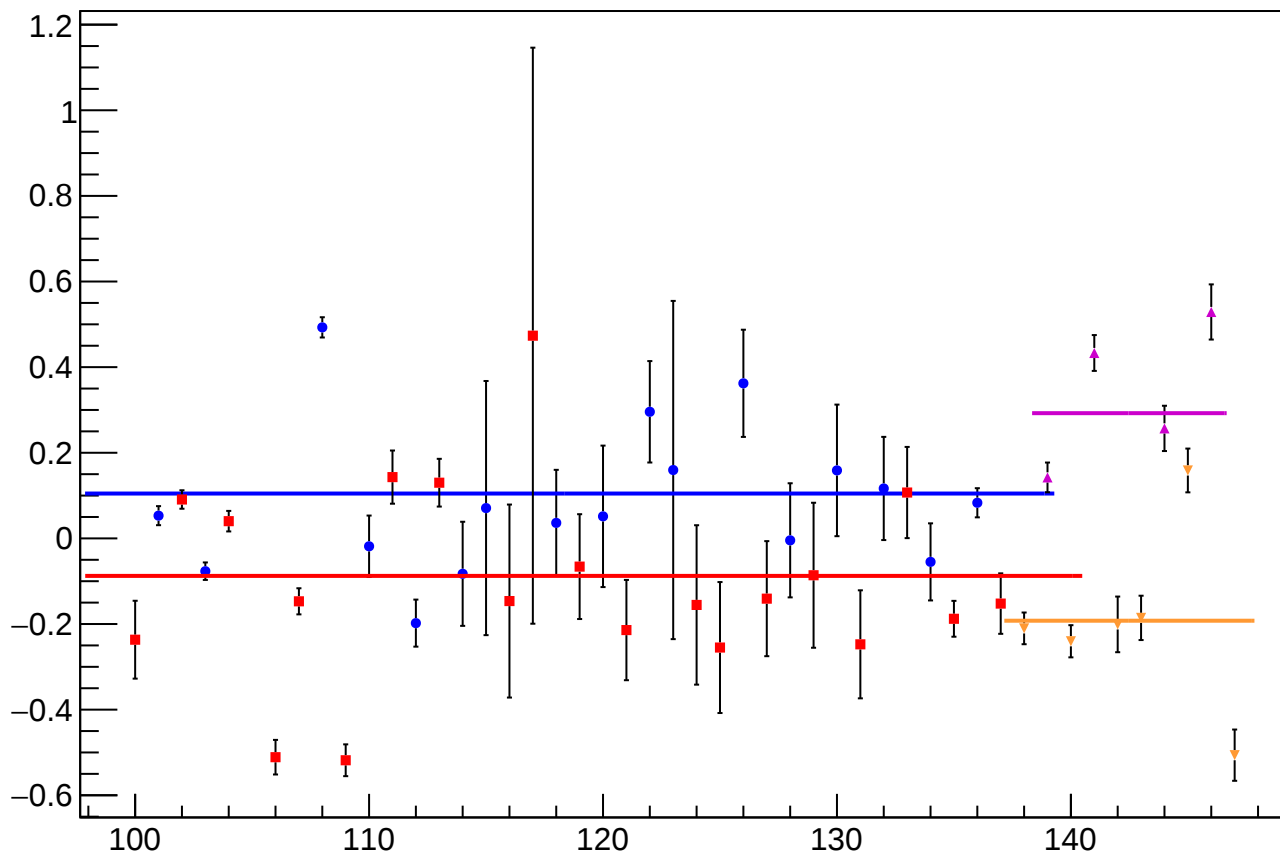
Left In: -66.243 ± 0.517 $\chi^2/\text{NDF}: 977.4/3$

17.577 ± 0.211 $\chi^2/\text{NDF}: 36515.8/22$

2.996 ± 0.157 $\chi^2/\text{NDF}: 76011.3/46$

-15.458 ± 0.237 $\chi^2/\text{NDF}: 28636.9/23$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.192 ± 0.019 χ^2/NDF : 76.5/5

Right Out: -0.088 ± 0.011 χ^2/NDF : 391.6/19

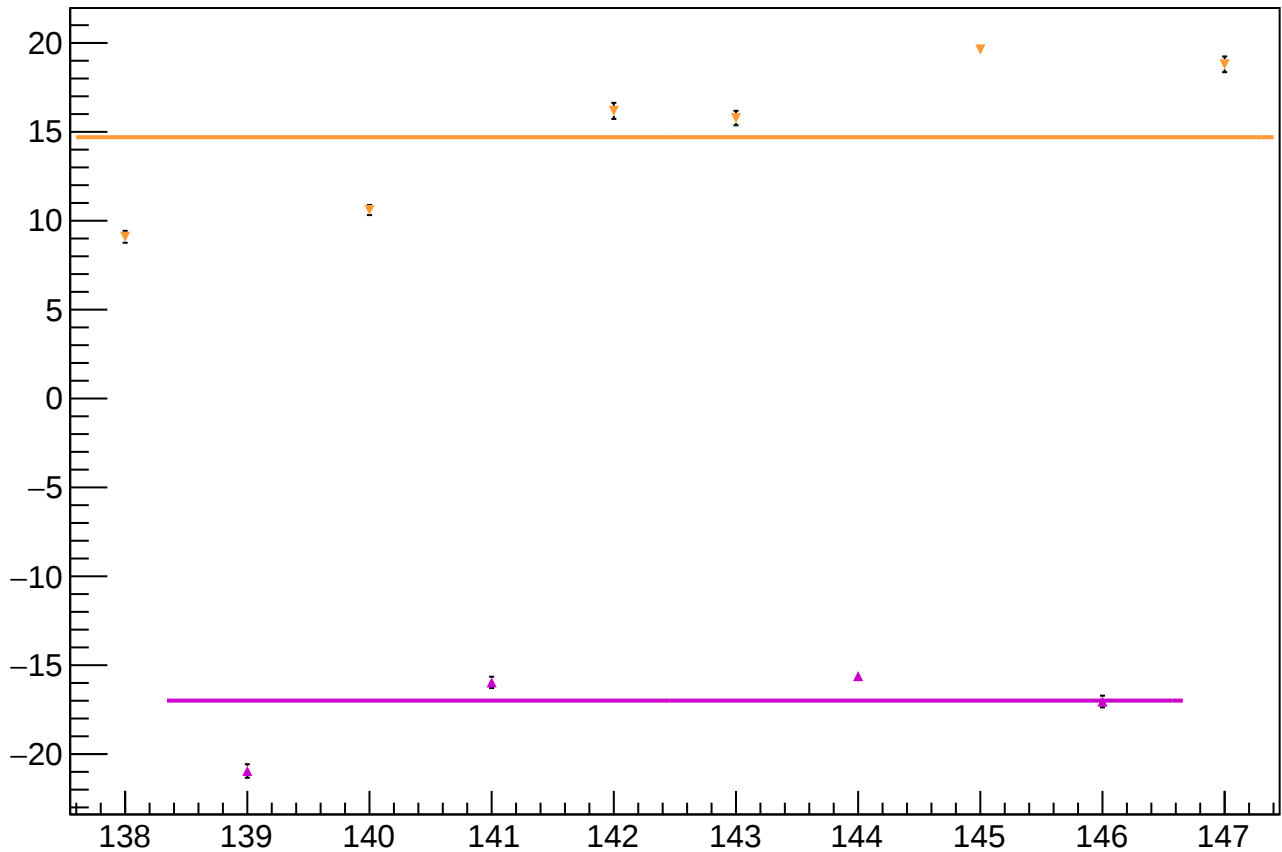
Left In: 0.292 ± 0.022 χ^2/NDF : 43.9/3

0.031 ± 0.010 χ^2/NDF : 657.0/22

0.009 ± 0.007 χ^2/NDF : 1335.4/46

-0.013 ± 0.010 χ^2/NDF : 667.9/23

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.698+/-0.141 χ^2/NDF : 913.5/5

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

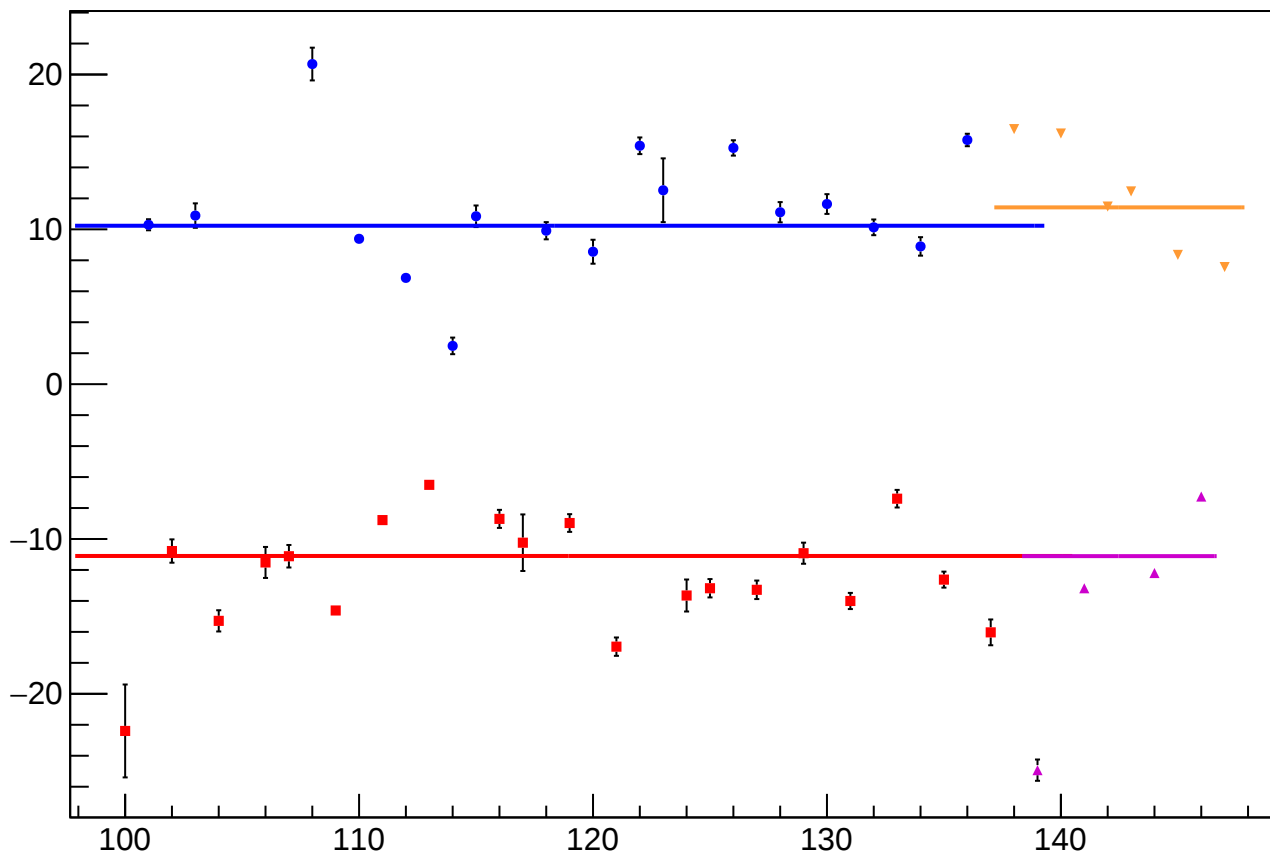
Left In: -16.991+/-0.161 χ^2/NDF : 140.7/3

14.698+/-0.141 χ^2/NDF : 913.5/5

1.011+/-0.106 χ^2/NDF : 22963.9/9

-16.991+/-0.161 χ^2/NDF : 140.7/3

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 11.418 ± 0.102 χ^2/NDF : 1219.9/5

Right Out: -11.096 ± 0.116 χ^2/NDF : 818.0/19

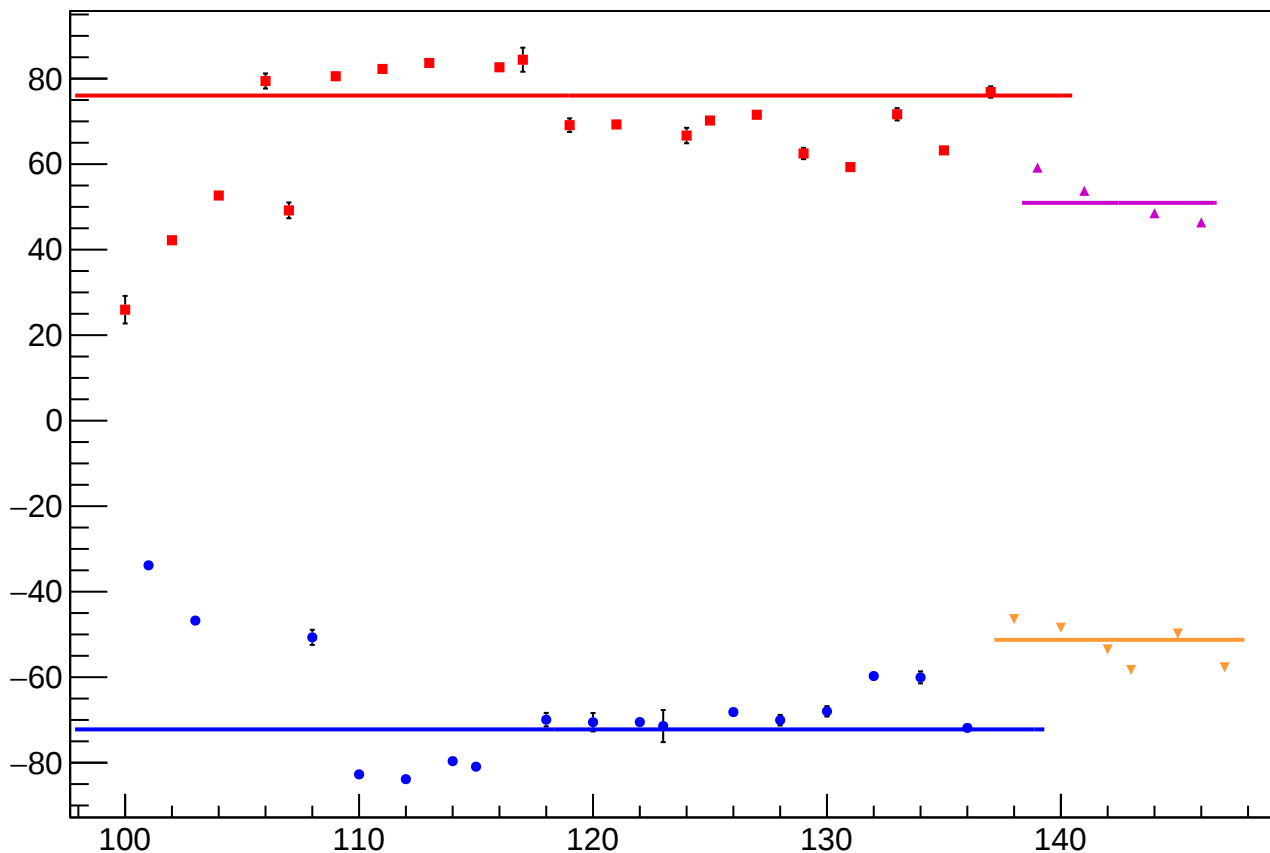
Left In: -11.107 ± 0.118 χ^2/NDF : 892.1/3

10.921 ± 0.077 χ^2/NDF : 2153.9/22

0.657 ± 0.057 χ^2/NDF : 41634.7/46

-11.102 ± 0.083 χ^2/NDF : 1710.2/23

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -51.252 $\pm$ 0.148 χ^2 /NDF: 815.5/5

Right Out: 76.044 $\pm$ 0.181 χ^2 /NDF: 3472.2/19

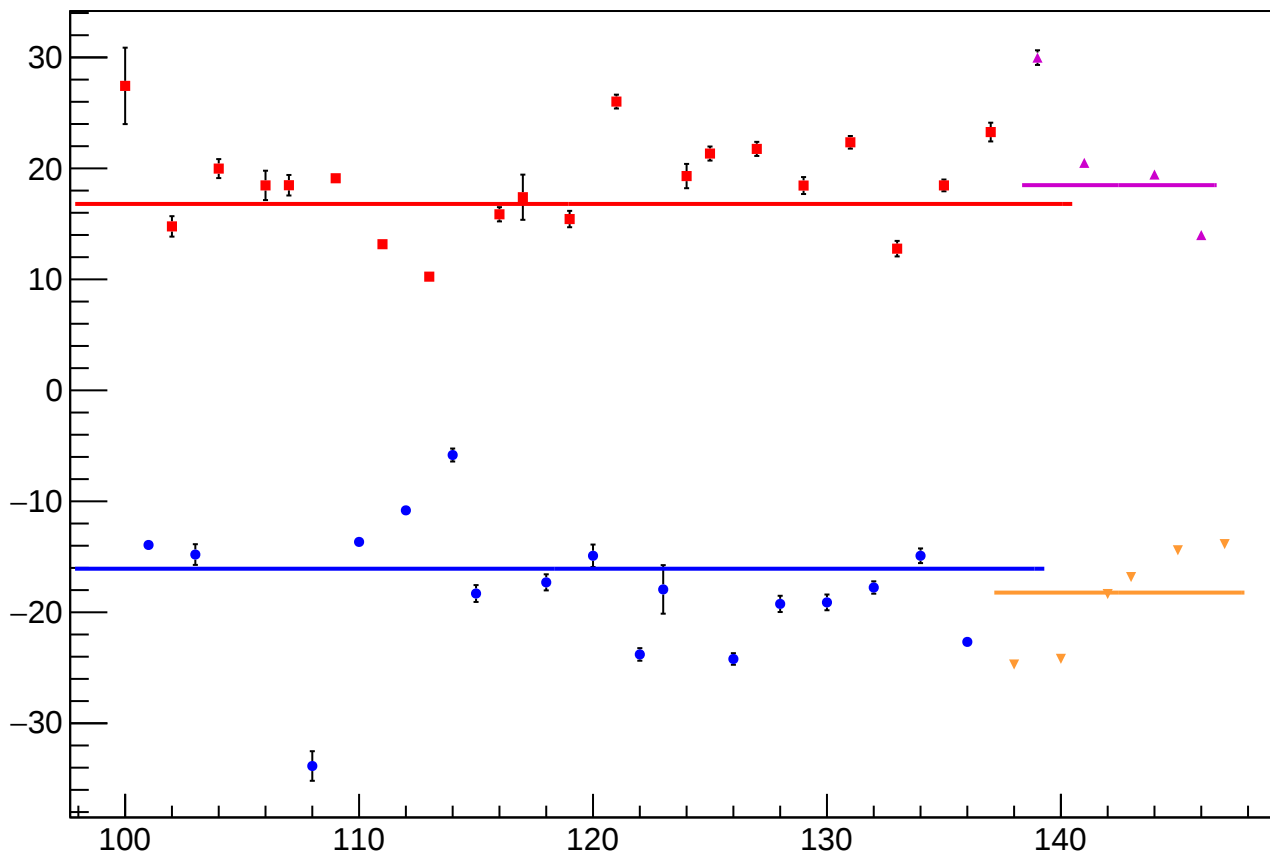
Left In: 50.953 $\pm$ 0.168 χ^2 /NDF: 734.6/3

-58.780 $\pm$ 0.119 χ^2 /NDF: 13562.7/22

-0.276 $\pm$ 0.085 χ^2 /NDF: 532430.2/46

62.590 $\pm$ 0.123 χ^2 /NDF: 14555.4/23

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -18.224 ± 0.124 χ^2/NDF : 1229.8/5

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

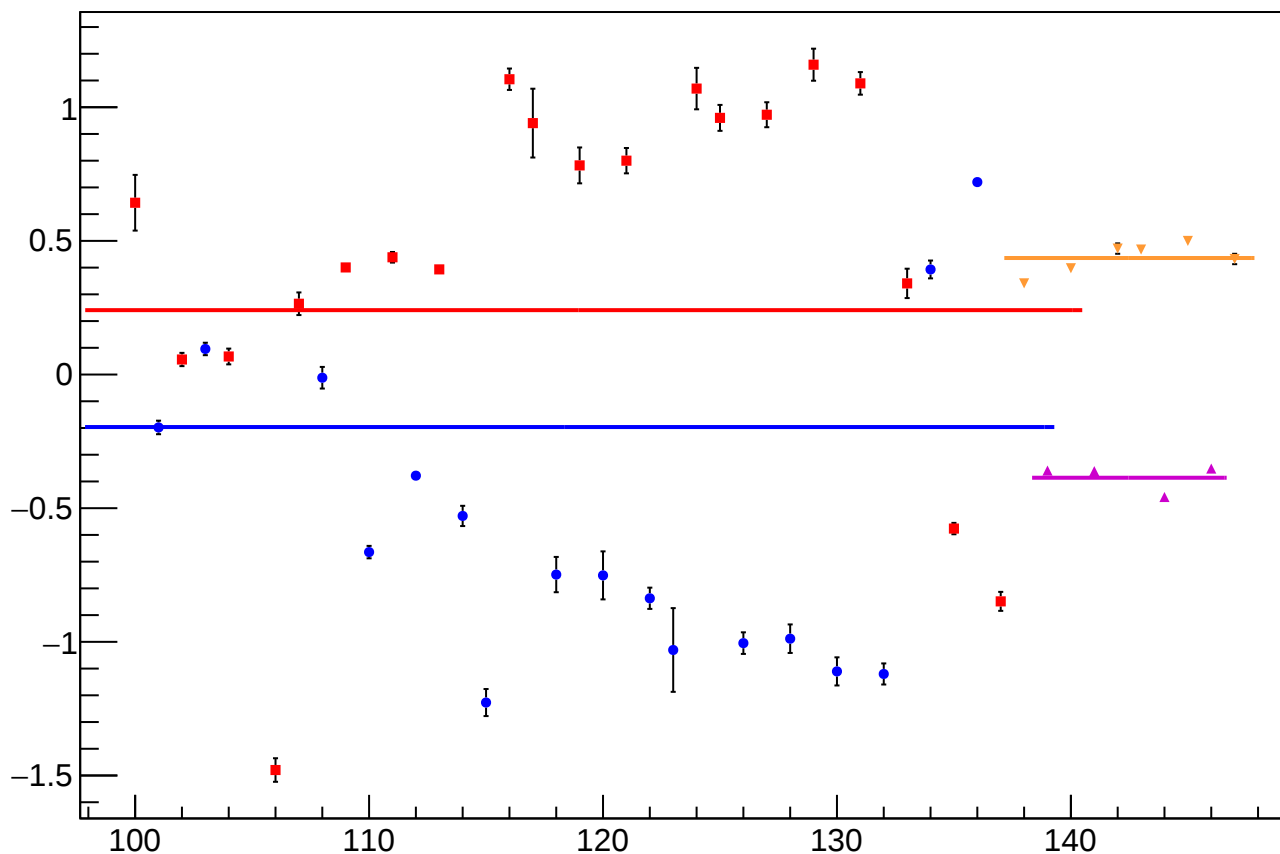
Left In: 18.490 ± 0.143 χ^2/NDF : 688.3/3

-17.216 ± 0.091 χ^2/NDF : 3010.3/22

-0.699 ± 0.066 χ^2/NDF : 74821.4/46

17.550 ± 0.095 χ^2/NDF : 1982.3/23

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 $\chi^2/\text{NDF}: 6323.5/16$

Left Out: 0.436 ± 0.006 $\chi^2/\text{NDF}: 89.2/5$

Right Out: 0.241 ± 0.007 $\chi^2/\text{NDF}: 6218.3/19$

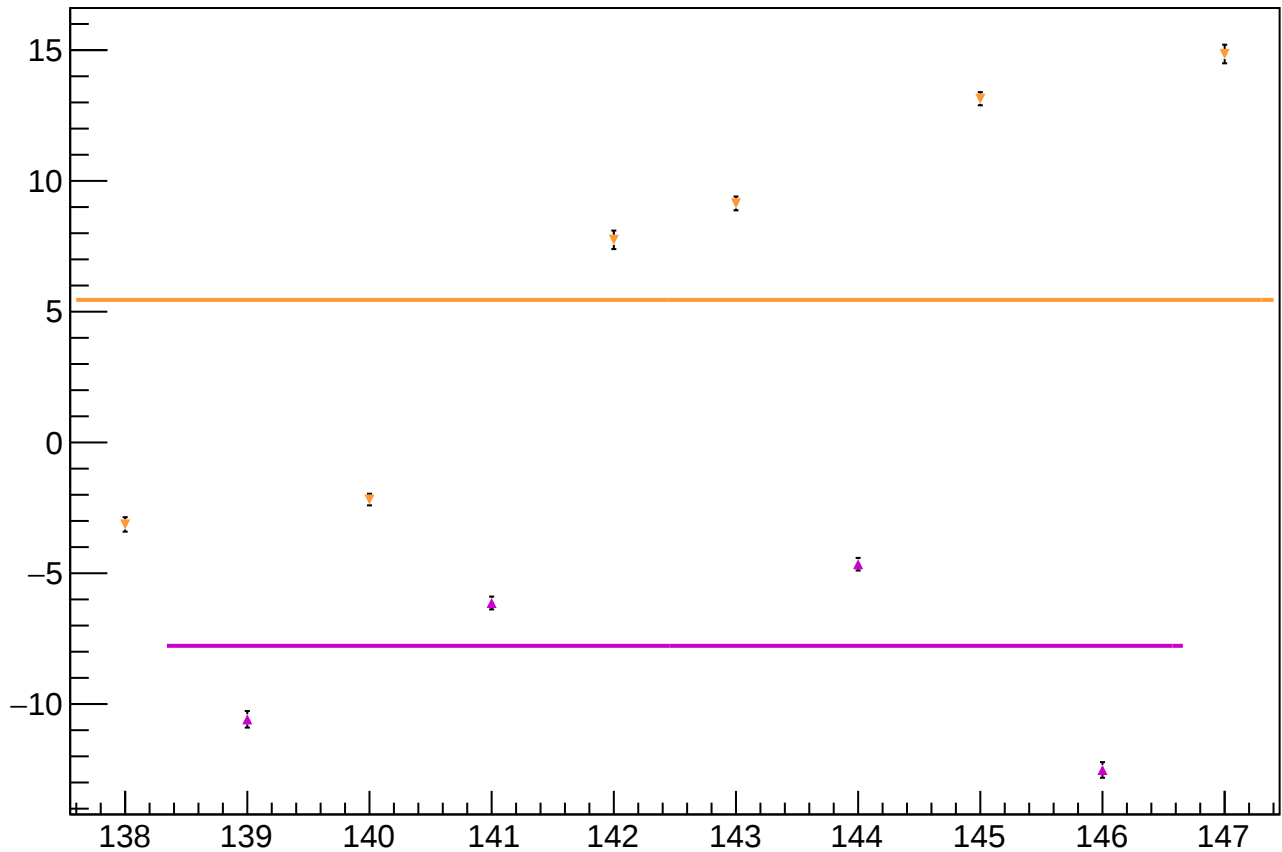
Left In: -0.386 ± 0.007 $\chi^2/\text{NDF}: 42.1/3$

0.185 ± 0.005 $\chi^2/\text{NDF}: 10646.2/22$

0.059 ± 0.003 $\chi^2/\text{NDF}: 22300.5/46$

-0.080 ± 0.005 $\chi^2/\text{NDF}: 10180.2/23$

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 5.452+/-0.113 χ^2/NDF : 3991.0/5

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

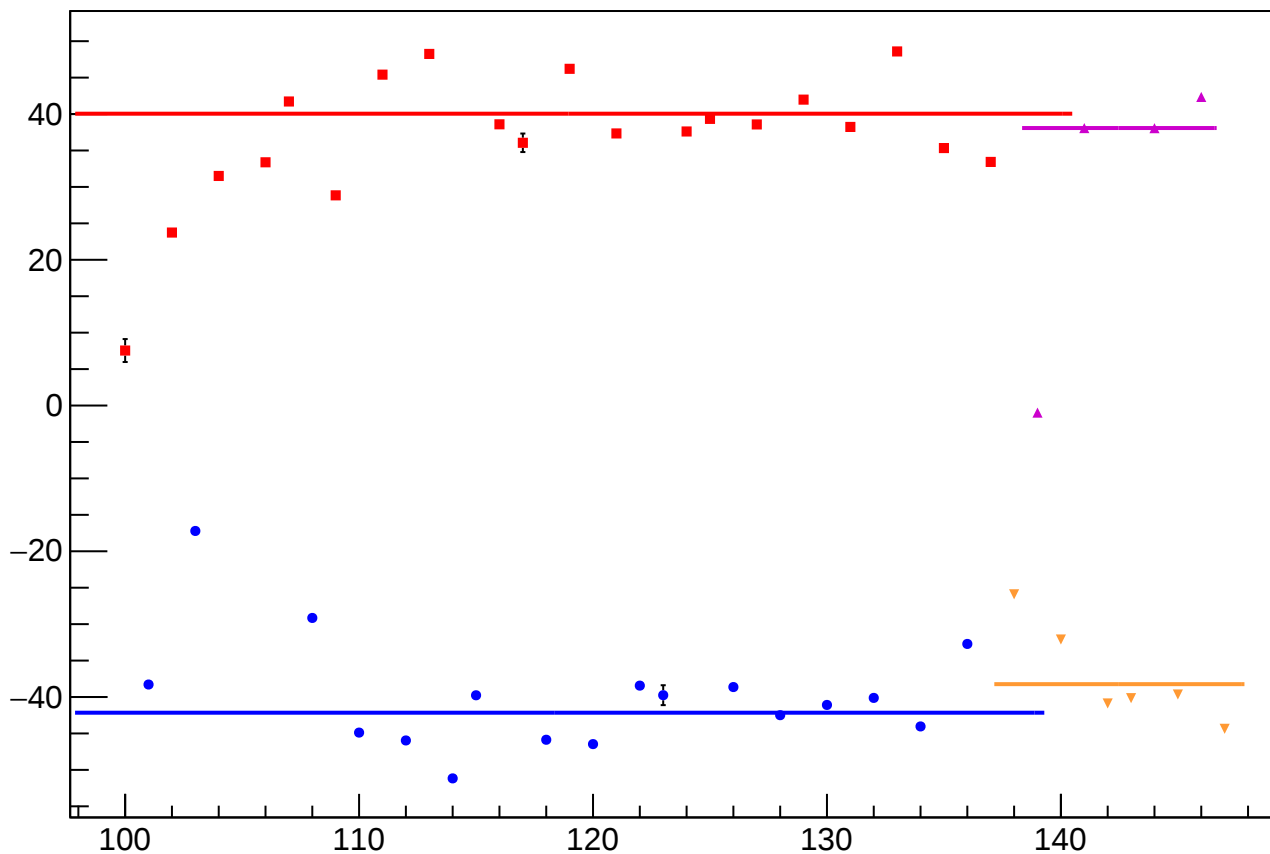
Left In: -7.774+/-0.135 χ^2/NDF : 540.9/3

5.452+/-0.113 χ^2/NDF : 3991.0/5

0.032+/-0.086 χ^2/NDF : 10187.9/9

-7.774+/-0.135 χ^2/NDF : 540.9/3

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.235 ± 0.081 χ^2/NDF : 4844.8/5

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

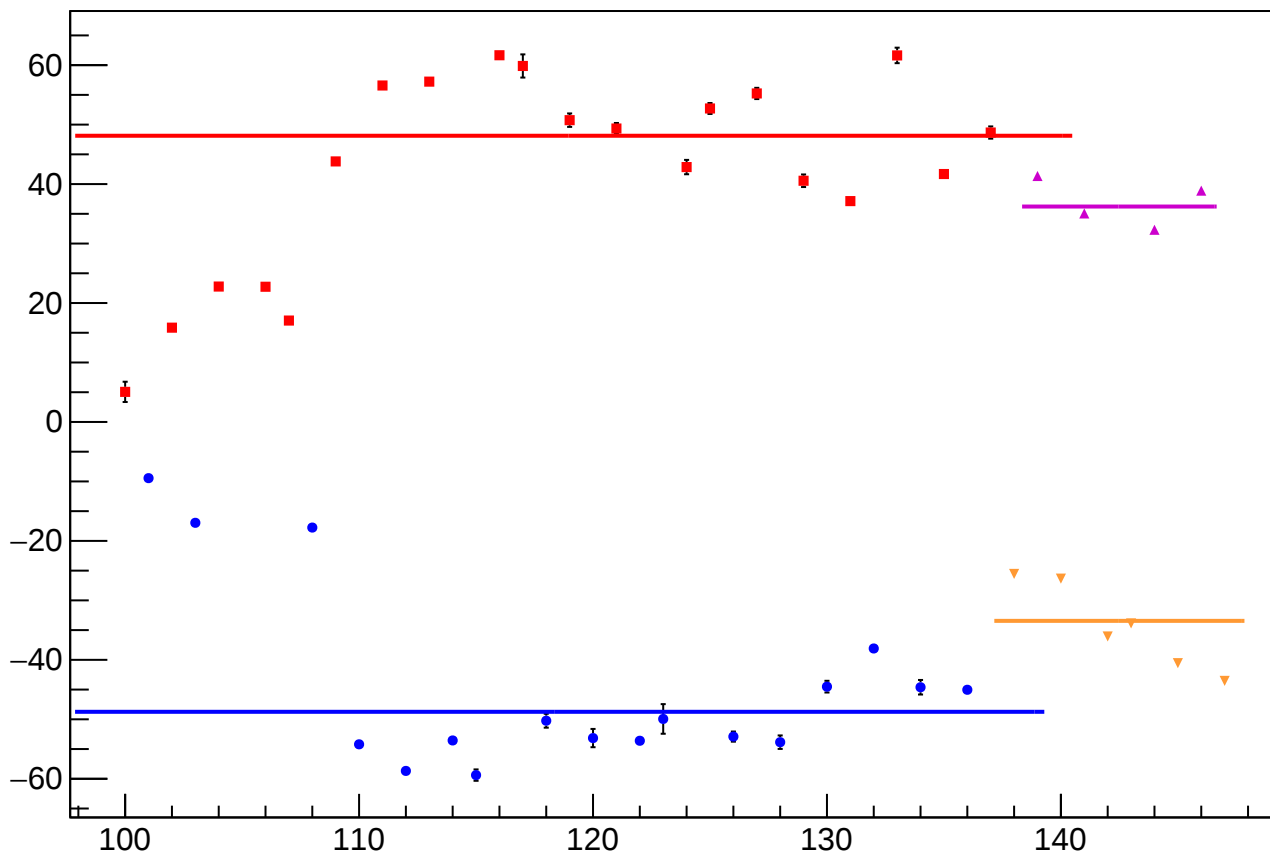
Left In: 38.082 ± 0.101 χ^2/NDF : 5270.0/3

-40.265 ± 0.056 χ^2/NDF : 12618.0/22

-2.365 ± 0.041 χ^2/NDF : 986589.7/46

39.376 ± 0.059 χ^2/NDF : 16852.9/23

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -33.446 ± 0.119 $\chi^2/\text{NDF}: 3257.9/5$

Right Out: 48.127 ± 0.107 $\chi^2/\text{NDF}: 11769.6/19$

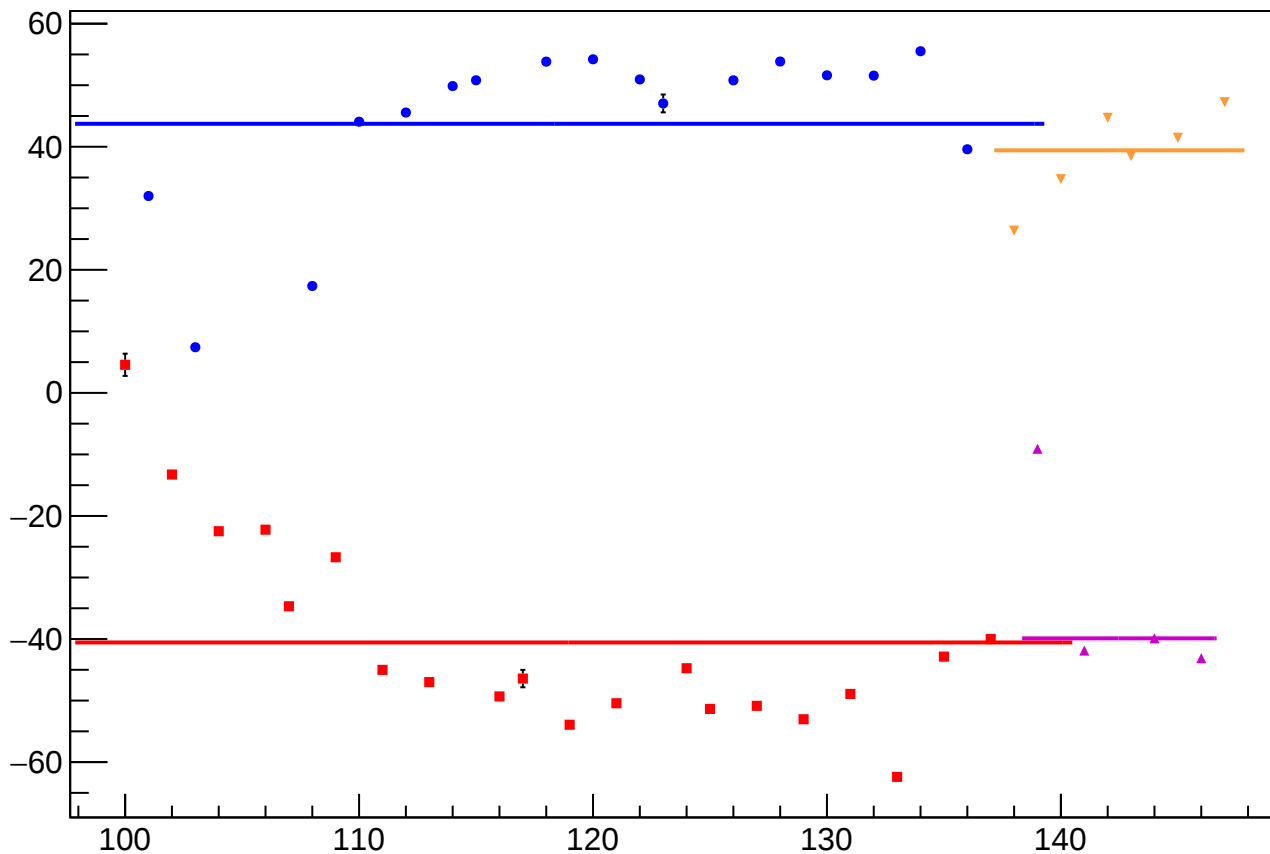
Left In: 36.225 ± 0.141 $\chi^2/\text{NDF}: 558.4/3$

-40.712 ± 0.086 $\chi^2/\text{NDF}: 25824.8/22$

1.807 ± 0.061 $\chi^2/\text{NDF}: 529891.1/46$

43.782 ± 0.085 $\chi^2/\text{NDF}: 16839.7/23$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 ± 0.087 $\chi^2/\text{NDF}: 10567.7/16$

Left Out: 39.418 ± 0.099 $\chi^2/\text{NDF}: 3822.4/5$

Right Out: -40.556 ± 0.080 $\chi^2/\text{NDF}: 17618.6/19$

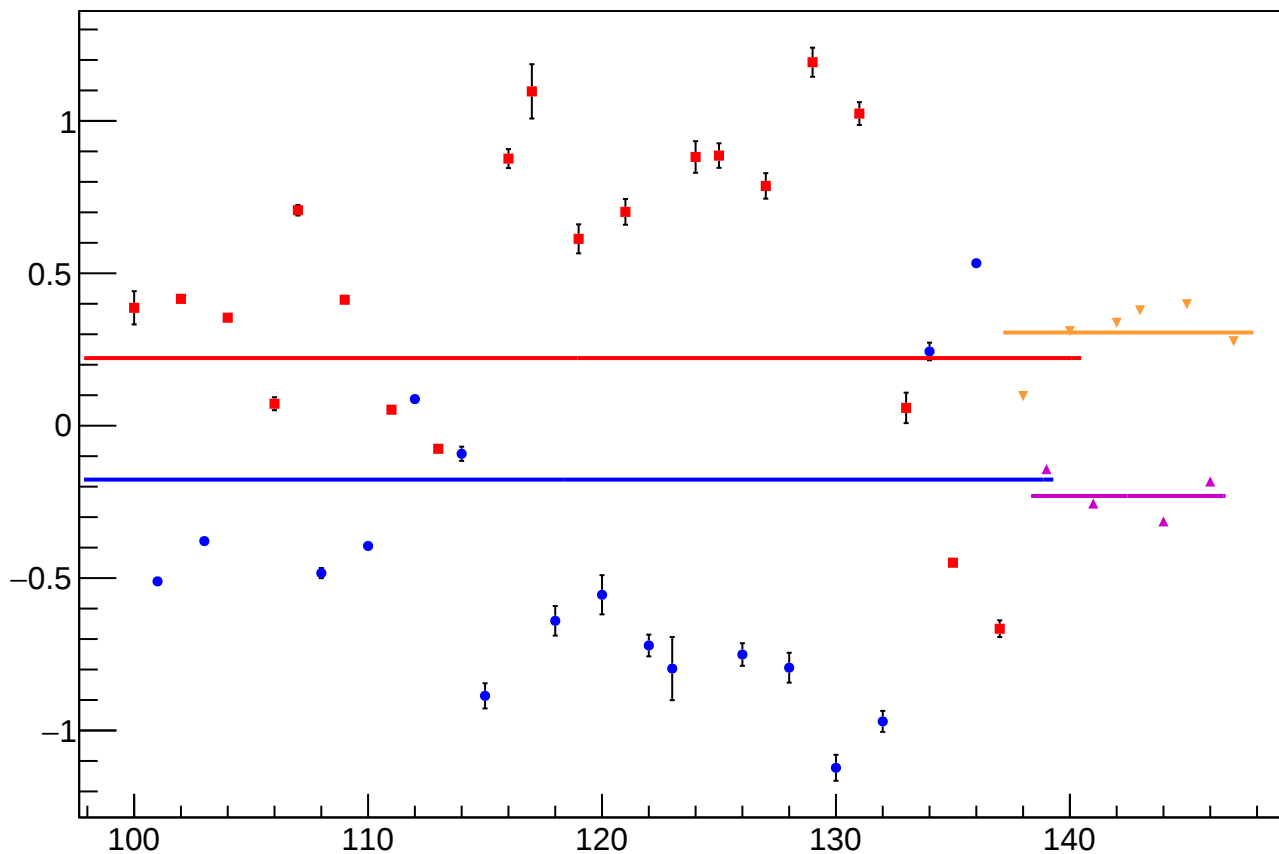
Left In: -39.889 ± 0.121 $\chi^2/\text{NDF}: 3472.0/3$

41.856 ± 0.065 $\chi^2/\text{NDF}: 15462.3/22$

1.673 ± 0.047 $\chi^2/\text{NDF}: 811484.6/46$

-40.353 ± 0.067 $\chi^2/\text{NDF}: 21111.8/23$

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.306 ± 0.005 χ^2/NDF : 430.9/5

Right Out: 0.222 ± 0.004 χ^2/NDF : 7527.0/19

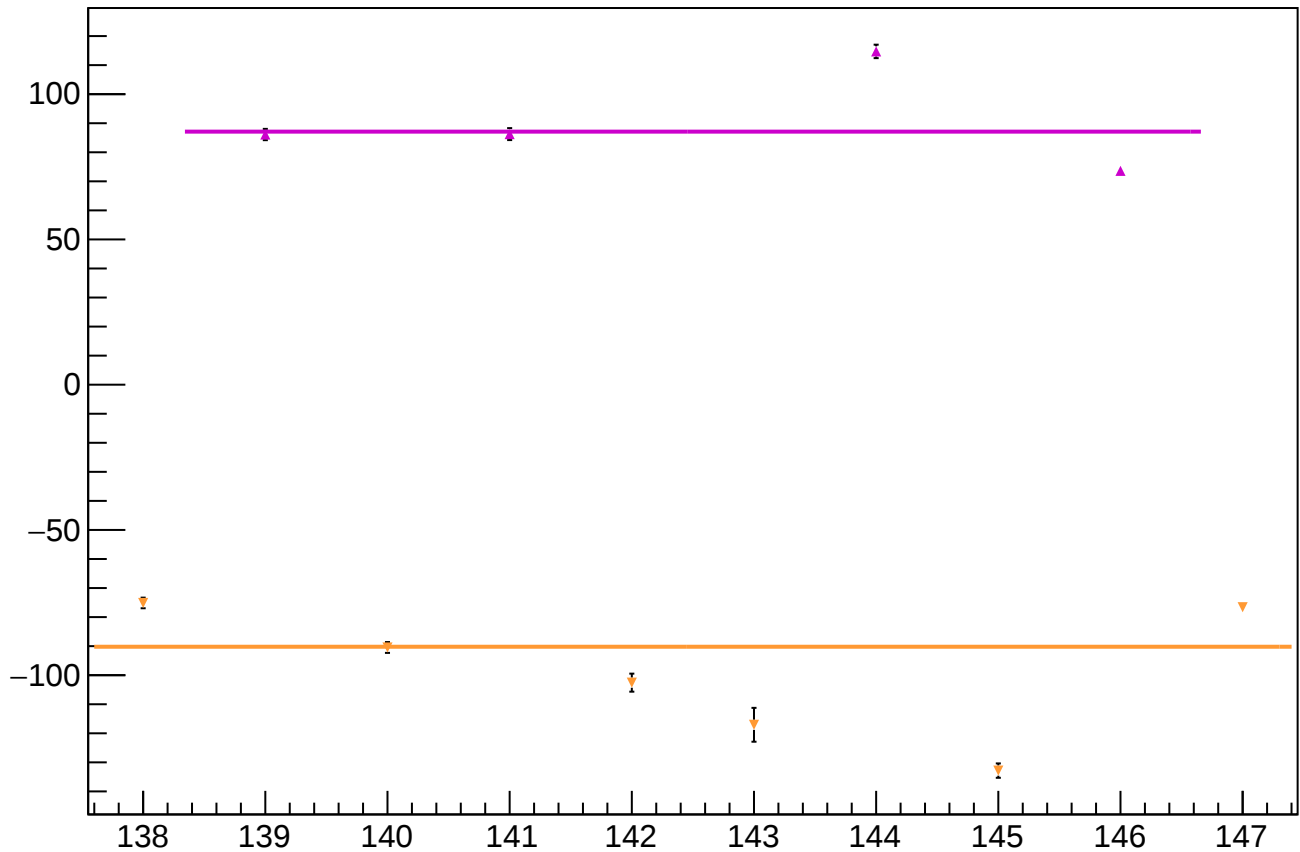
Left In: -0.231 ± 0.006 χ^2/NDF : 126.4/3

0.061 ± 0.003 χ^2/NDF : 12701.6/22

0.062 ± 0.002 χ^2/NDF : 24246.7/46

0.063 ± 0.003 χ^2/NDF : 11544.9/23

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -90.203+/-0.905 χ^2/NDF : 464.2/5

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

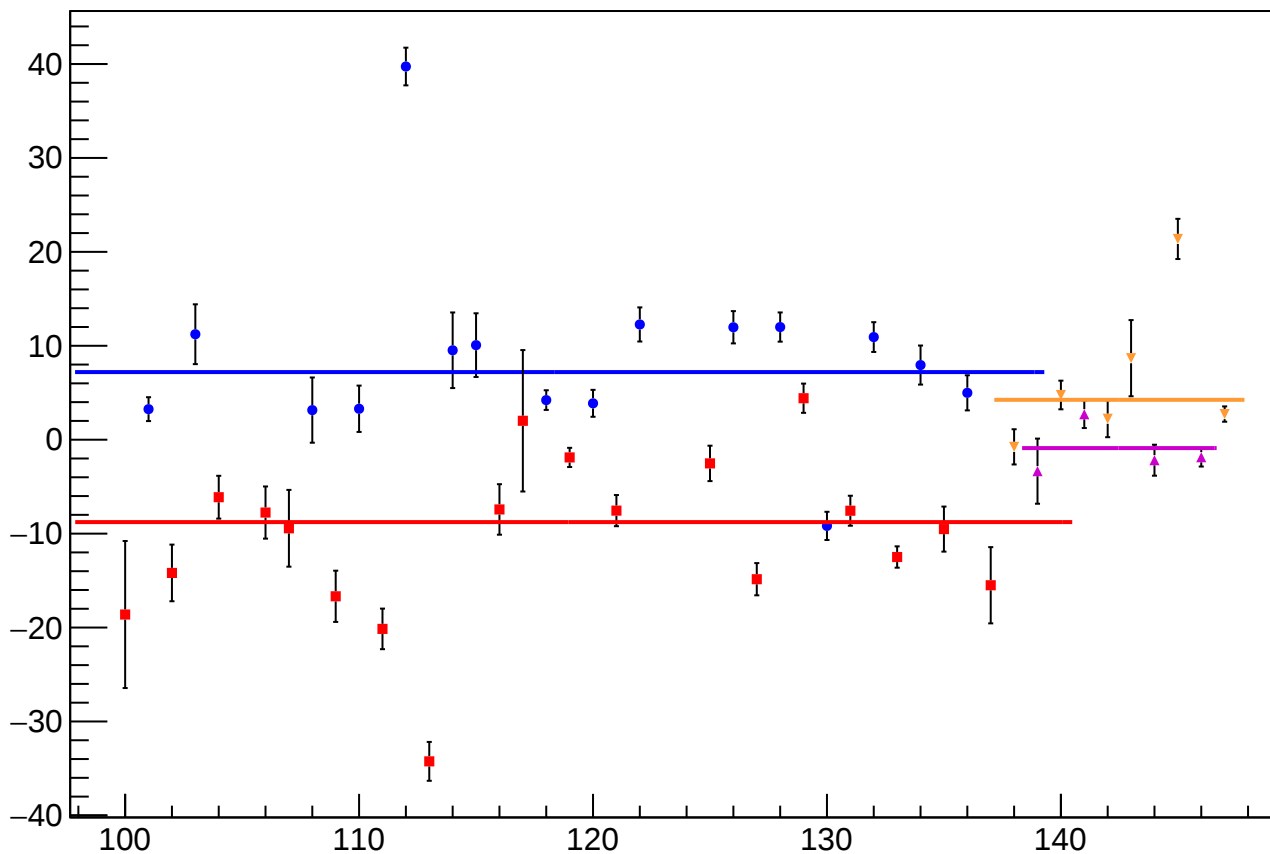
Left In: 87.107+/-0.984 χ^2/NDF : 205.5/3

-90.203+/-0.905 χ^2/NDF : 464.2/5

-8.964+/-0.666 χ^2/NDF : 18268.6/9

87.107+/-0.984 χ^2/NDF : 205.5/3

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 $\chi^2/\text{NDF}: 443.8/15$

Left Out: 4.248 ± 0.602 $\chi^2/\text{NDF}: 77.0/5$

Right Out: -8.772 ± 0.447 $\chi^2/\text{NDF}: 351.7/18$

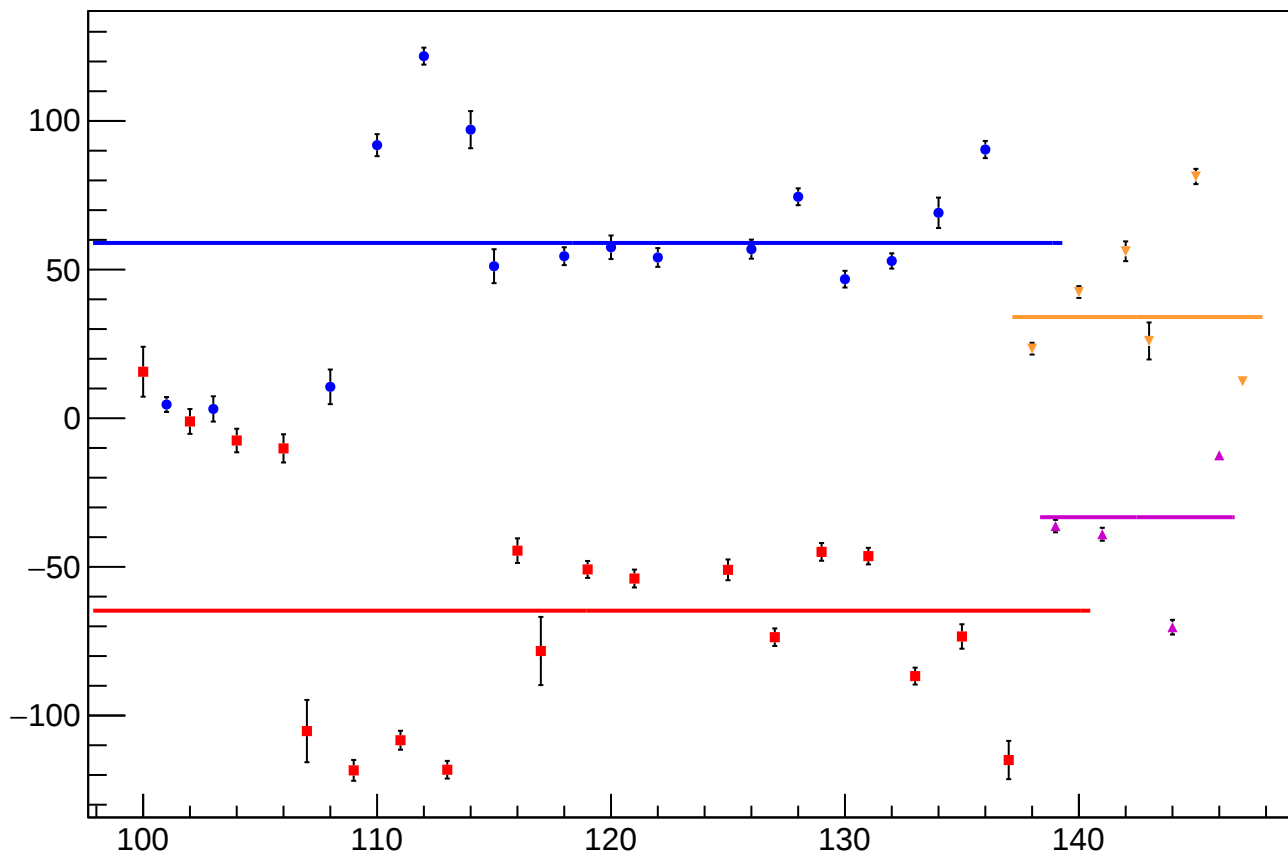
Left In: -0.892 ± 0.719 $\chi^2/\text{NDF}: 8.1/3$

6.174 ± 0.355 $\chi^2/\text{NDF}: 536.5/21$

0.226 ± 0.259 $\chi^2/\text{NDF}: 1584.5/44$

-6.577 ± 0.380 $\chi^2/\text{NDF}: 446.4/22$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2/NDF : 1496.5/15

Left Out: 34.042 $\pm$ 0.927 χ^2/NDF : 613.0/5

Right Out: -64.728 $\pm$ 0.838 χ^2/NDF : 1723.2/18

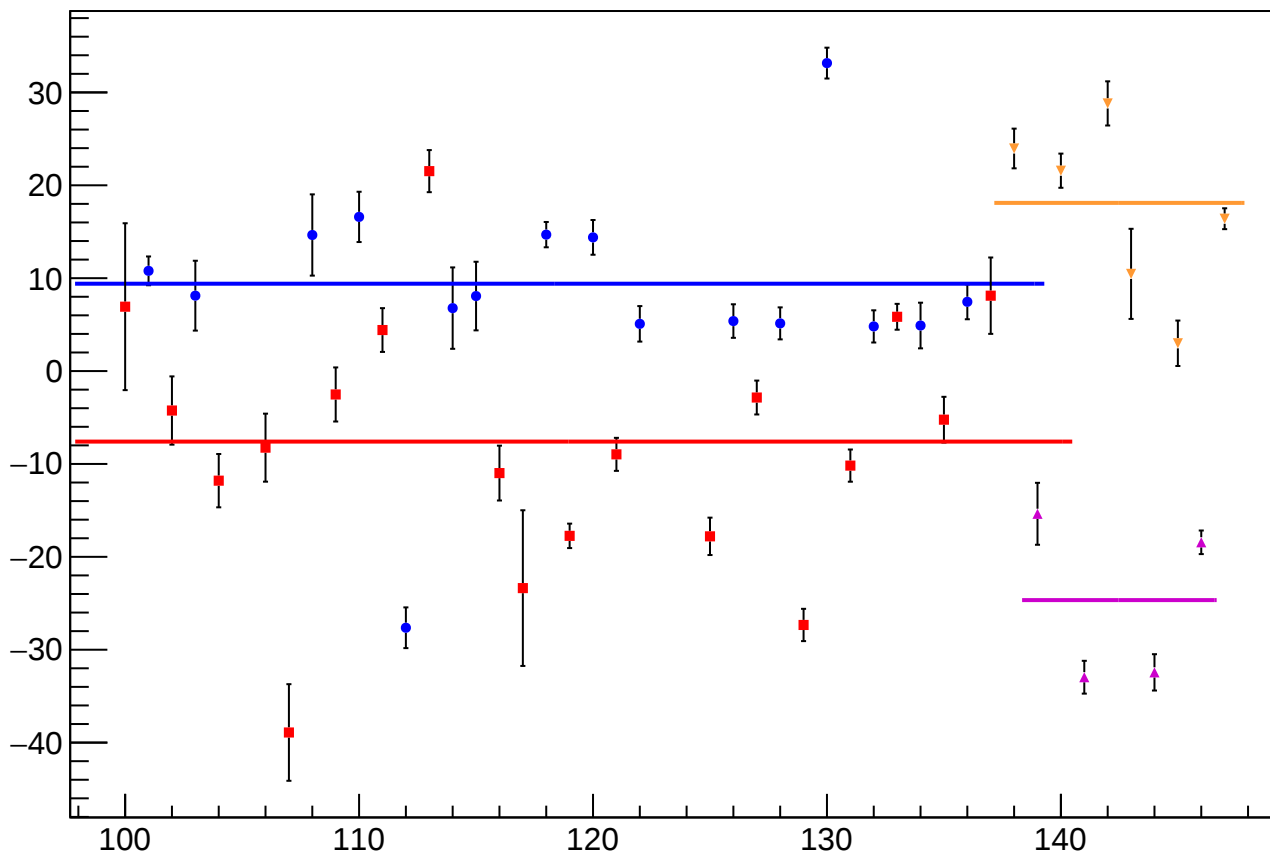
Left In: -33.291 $\pm$ 1.013 χ^2/NDF : 396.0/3

47.768 $\pm$ 0.621 χ^2/NDF : 2507.7/21

-0.176 $\pm$ 0.448 χ^2/NDF : 17591.1/44

-51.952 $\pm$ 0.645 χ^2/NDF : 2691.5/22

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 18.106 ± 0.769 χ^2/NDF : 74.3/5

Right Out: -7.593 ± 0.514 χ^2/NDF : 573.4/18

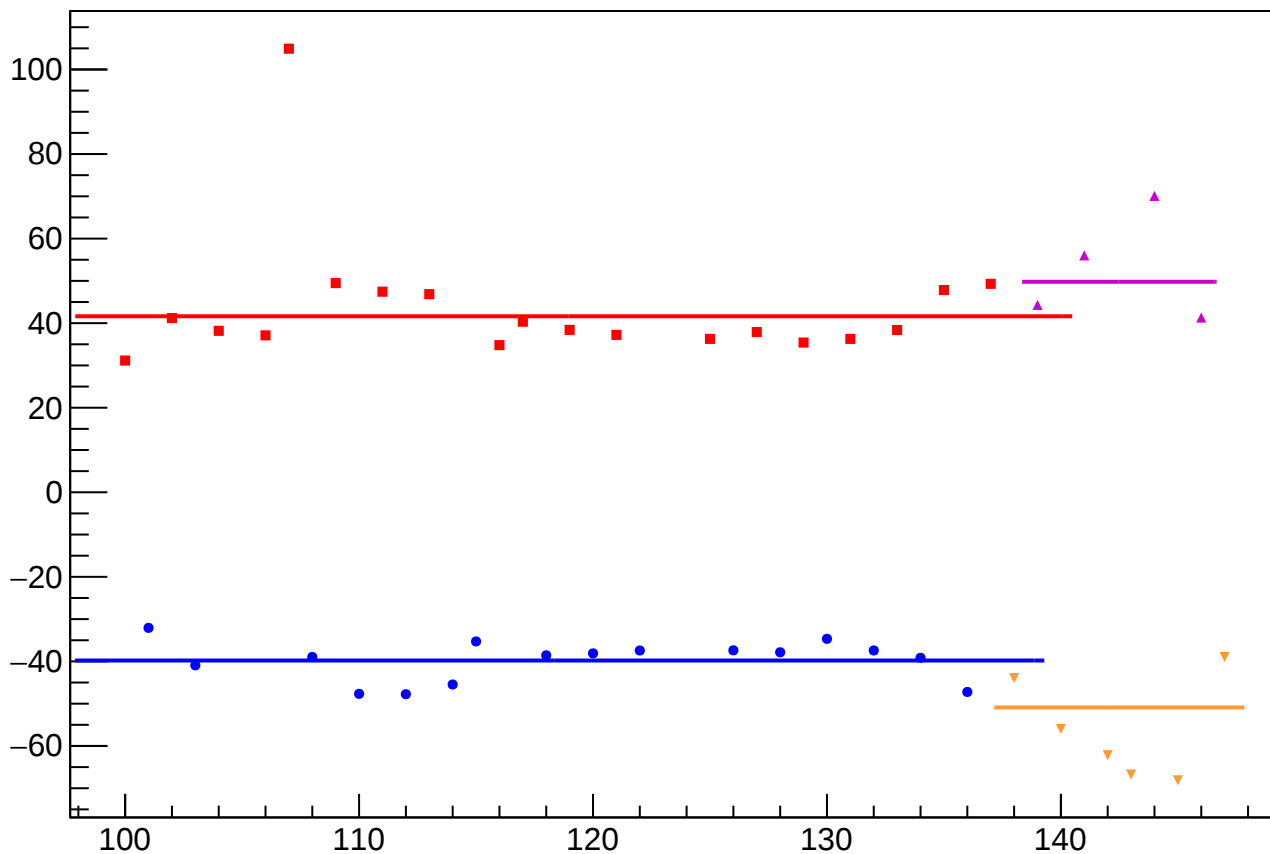
Left In: -24.659 ± 0.880 χ^2/NDF : 69.7/3

12.042 ± 0.423 χ^2/NDF : 713.2/21

0.625 ± 0.306 χ^2/NDF : 3166.4/44

-11.934 ± 0.444 χ^2/NDF : 923.7/22

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 $\pm$ 0.031 χ^2 /NDF: 26138.6/15

Left Out: -50.905 $\pm$ 0.039 χ^2 /NDF: 76258.3/5

Right Out: 41.631 $\pm$ 0.031 χ^2 /NDF: 94399.1/18

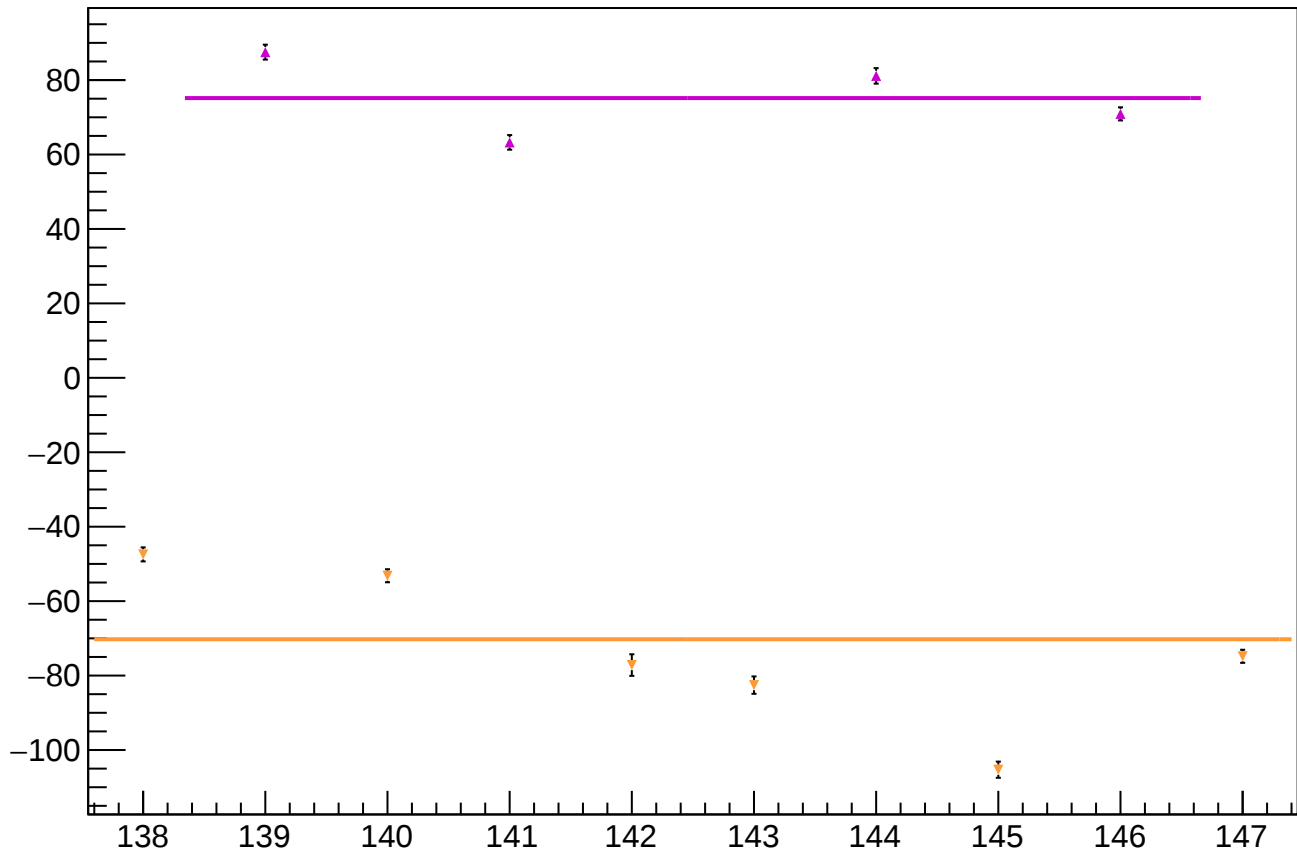
Left In: 49.790 $\pm$ 0.042 χ^2 /NDF: 58124.9/3

-44.069 $\pm$ 0.024 χ^2 /NDF: 151153.3/21

-0.602 $\pm$ 0.017 χ^2 /NDF: 6750811.0/44

44.552 $\pm$ 0.025 χ^2 /NDF: 177083.2/22

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -70.247+/-0.832 χ^2/NDF : 541.5/5

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

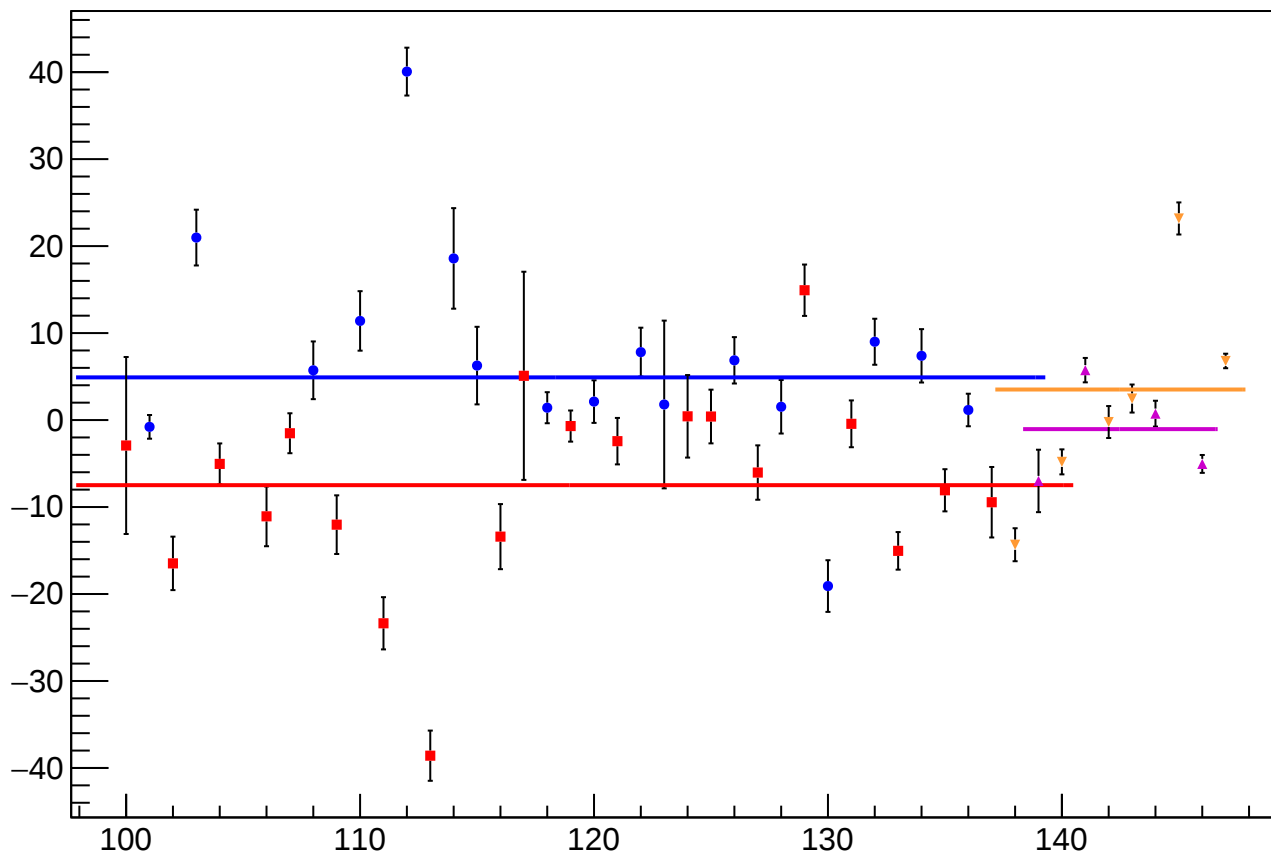
Left In: 75.164+/-0.972 χ^2/NDF : 88.5/3

-70.247+/-0.832 χ^2/NDF : 541.5/5

-8.745+/-0.632 χ^2/NDF : 13544.8/9

75.164+/-0.972 χ^2/NDF : 88.5/3

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 3.511 ± 0.561 χ^2/NDF : 255.8/5

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

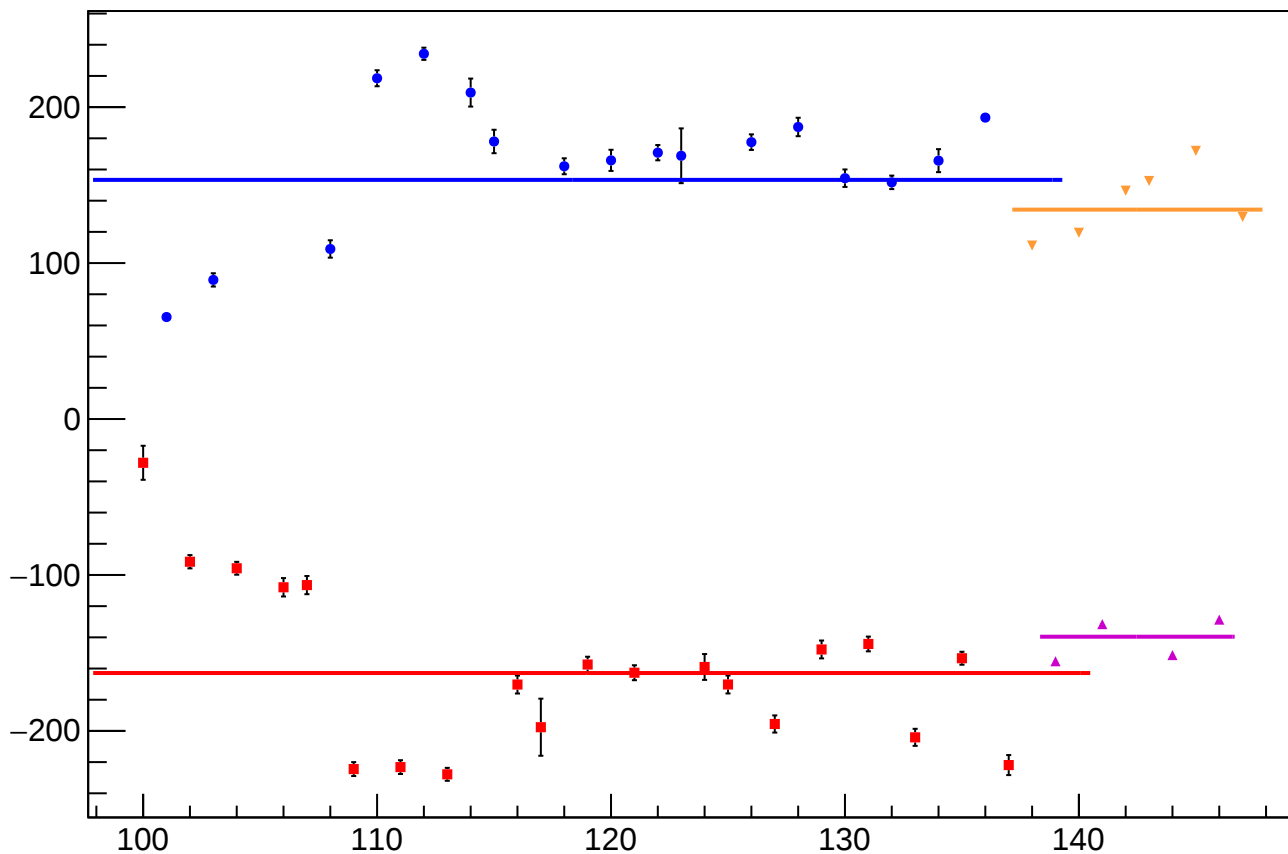
Left In: -1.042 ± 0.710 χ^2/NDF : 42.7/3

4.131 ± 0.418 χ^2/NDF : 553.9/22

0.376 ± 0.315 χ^2/NDF : 1099.3/46

-4.548 ± 0.479 χ^2/NDF : 359.3/23

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2/NDF : 2268.3/16

Left Out: 134.274 $\pm$ 0.859 χ^2/NDF : 543.9/5

Right Out: -162.878 $\pm$ 1.174 χ^2/NDF : 1712.4/19

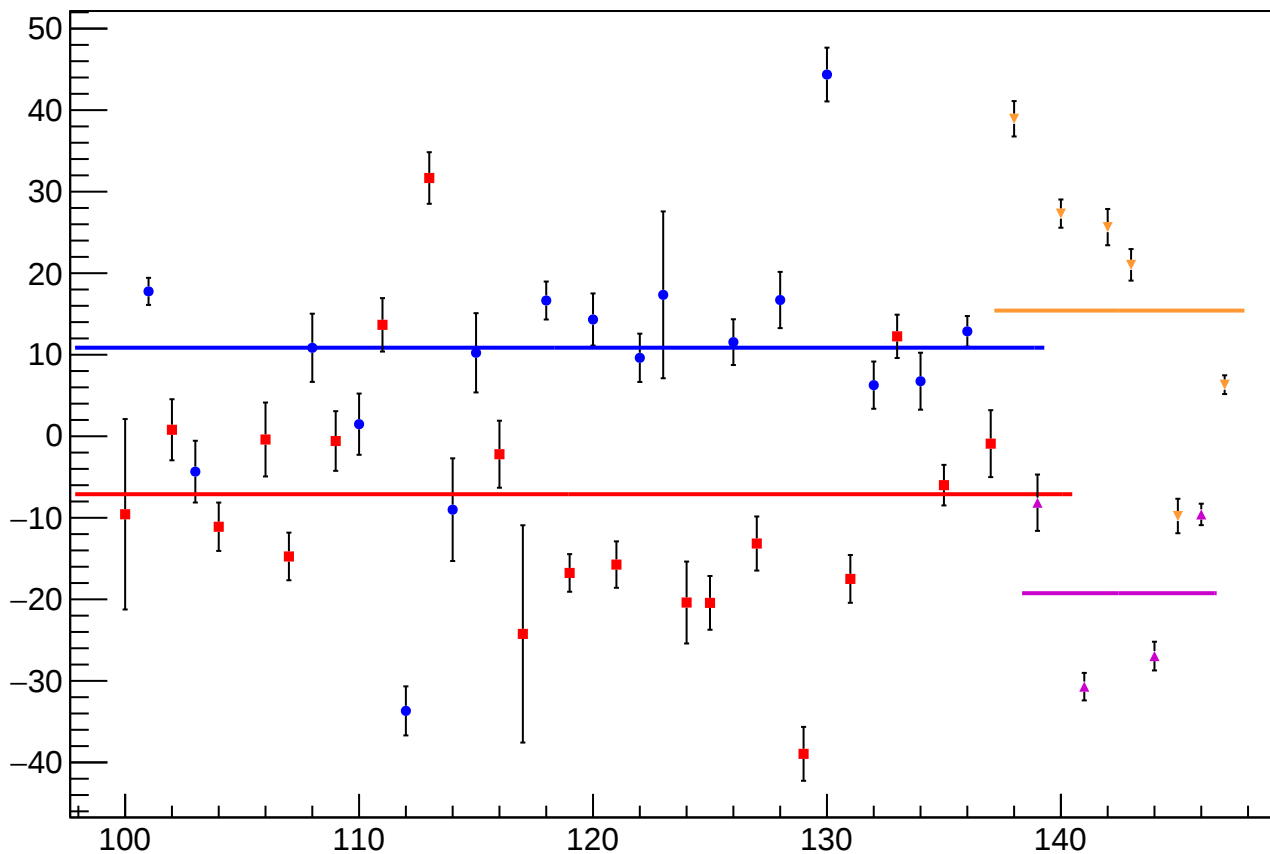
Left In: -139.589 $\pm$ 1.003 χ^2/NDF : 137.5/3

141.101 $\pm$ 0.688 χ^2/NDF : 2988.8/22

10.778 $\pm$ 0.511 χ^2/NDF : 85024.5/46

-149.416 $\pm$ 0.763 χ^2/NDF : 2077.1/23

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 15.417 $\pm$ 0.708 χ^2 /NDF: 398.7/5

Right Out: -7.106 $\pm$ 0.746 χ^2 /NDF: 426.4/19

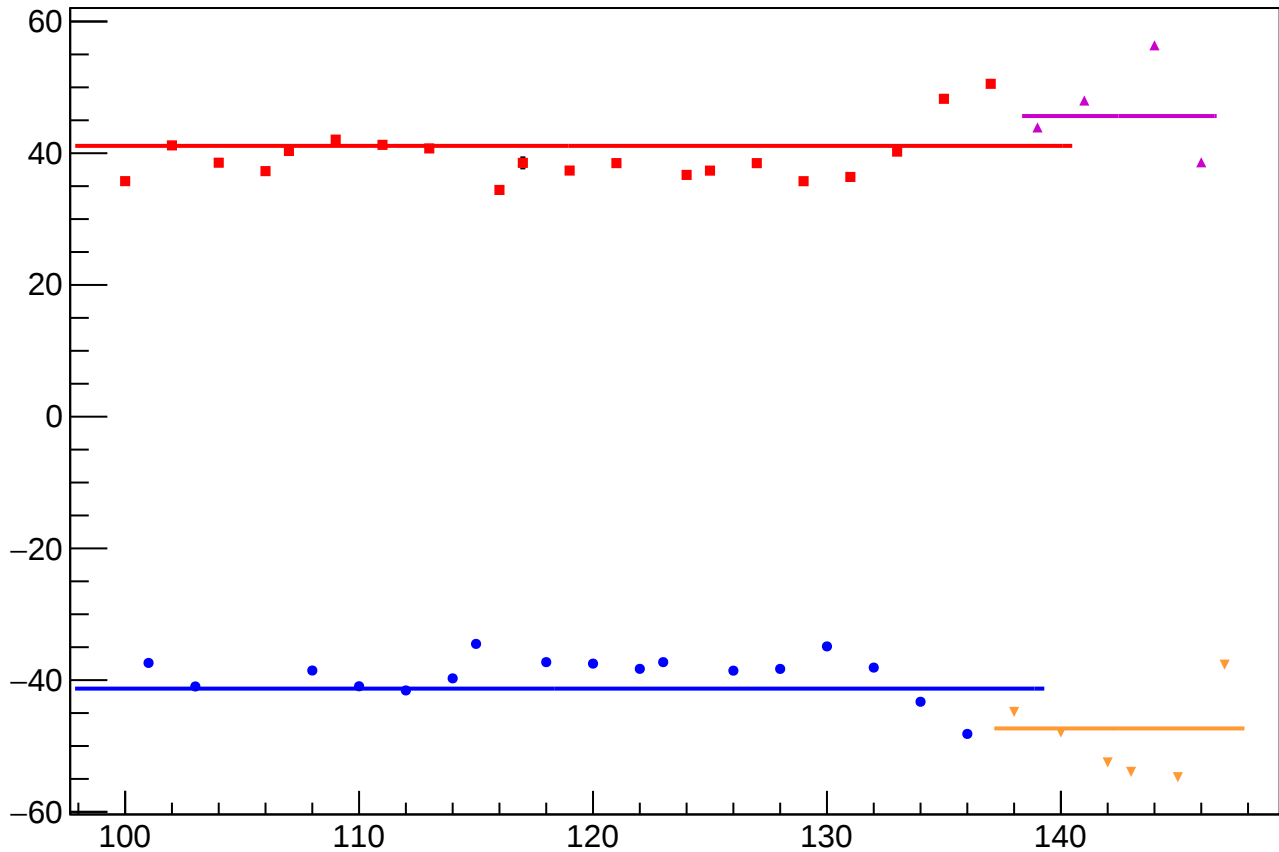
Left In: -19.247 $\pm$ 0.865 χ^2 /NDF: 129.5/3

13.177 $\pm$ 0.505 χ^2 /NDF: 807.0/22

1.882 $\pm$ 0.376 χ^2 /NDF: 2604.8/46

-12.284 $\pm$ 0.565 χ^2 /NDF: 668.8/23

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 $\pm$ 0.039 χ^2/NDF : 12509.1/16

Left Out: -47.336 $\pm$ 0.036 χ^2/NDF : 29564.0/5

Right Out: 41.115 $\pm$ 0.039 χ^2/NDF : 12120.1/19

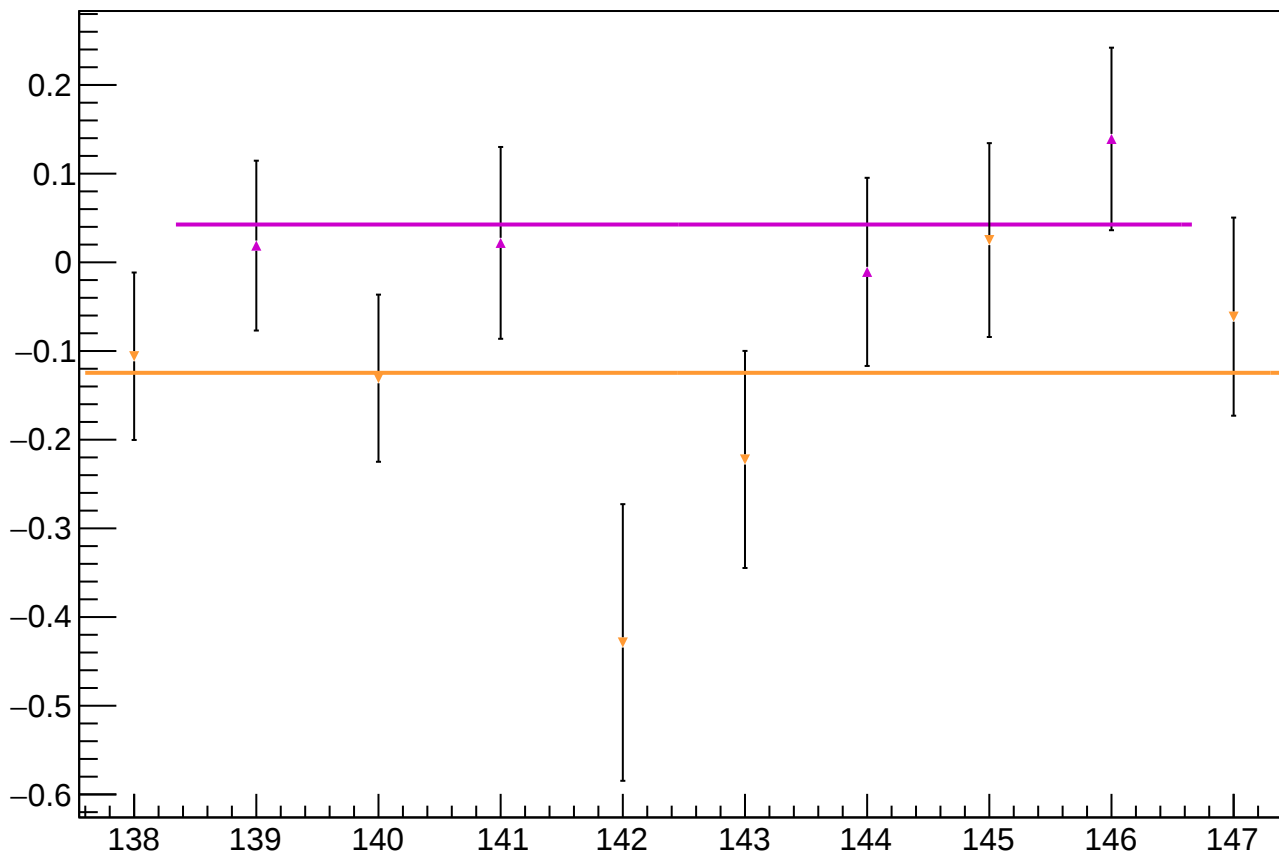
Left In: 45.646 $\pm$ 0.041 χ^2/NDF : 21553.4/3

-44.500 $\pm$ 0.026 χ^2/NDF : 55101.7/22

-3.551 $\pm$ 0.019 χ^2/NDF : 5233668.0/46

43.221 $\pm$ 0.028 χ^2/NDF : 40069.8/23

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.125+/-0.045 χ^2/NDF : 6.7/5

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

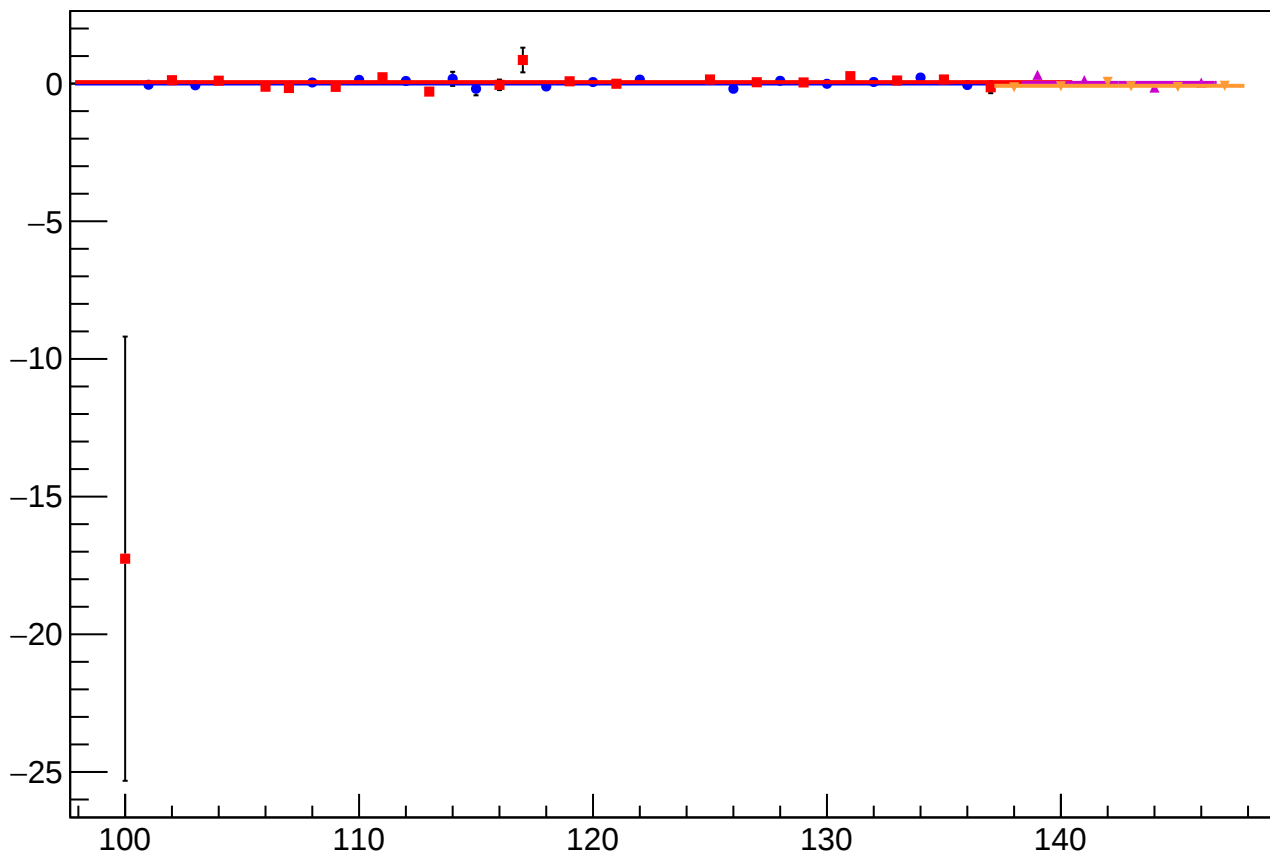
Left In: 0.043+/-0.051 χ^2/NDF : 1.2/3

-0.125+/-0.045 χ^2/NDF : 6.7/5

-0.052+/-0.034 χ^2/NDF : 13.9/9

0.043+/-0.051 χ^2/NDF : 1.2/3

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.080+/-0.032 χ^2/NDF : 2.7/5

Right Out: 0.053+/-0.029 χ^2/NDF : 28.8/18

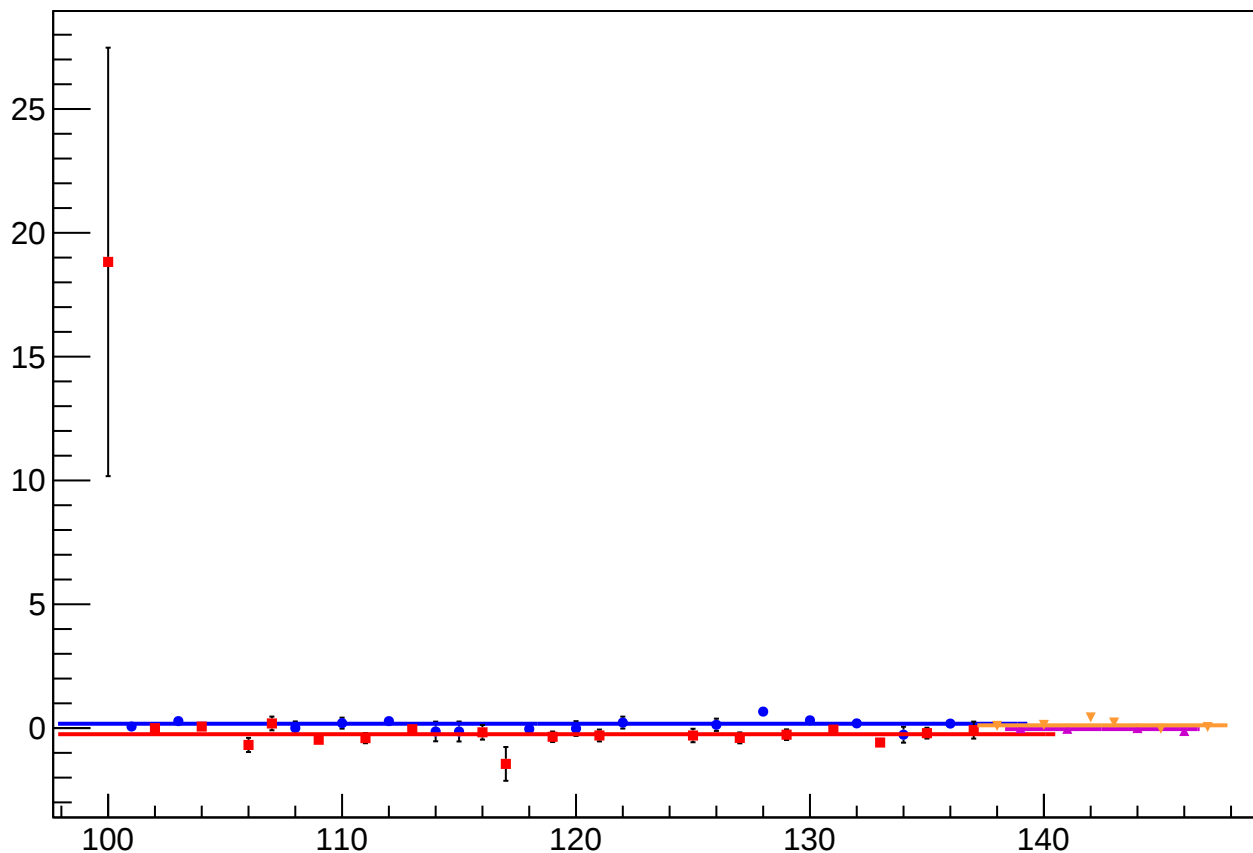
Left In: 0.025+/-0.040 χ^2/NDF : 9.7/3

-0.034+/-0.021 χ^2/NDF : 18.9/21

0.001+/-0.016 χ^2/NDF : 63.6/44

0.043+/-0.024 χ^2/NDF : 38.8/22

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 $\chi^2/\text{NDF}: 13.0/15$

Left Out: 0.112 ± 0.047 $\chi^2/\text{NDF}: 6.5/5$

Right Out: -0.247 ± 0.054 $\chi^2/\text{NDF}: 24.7/18$

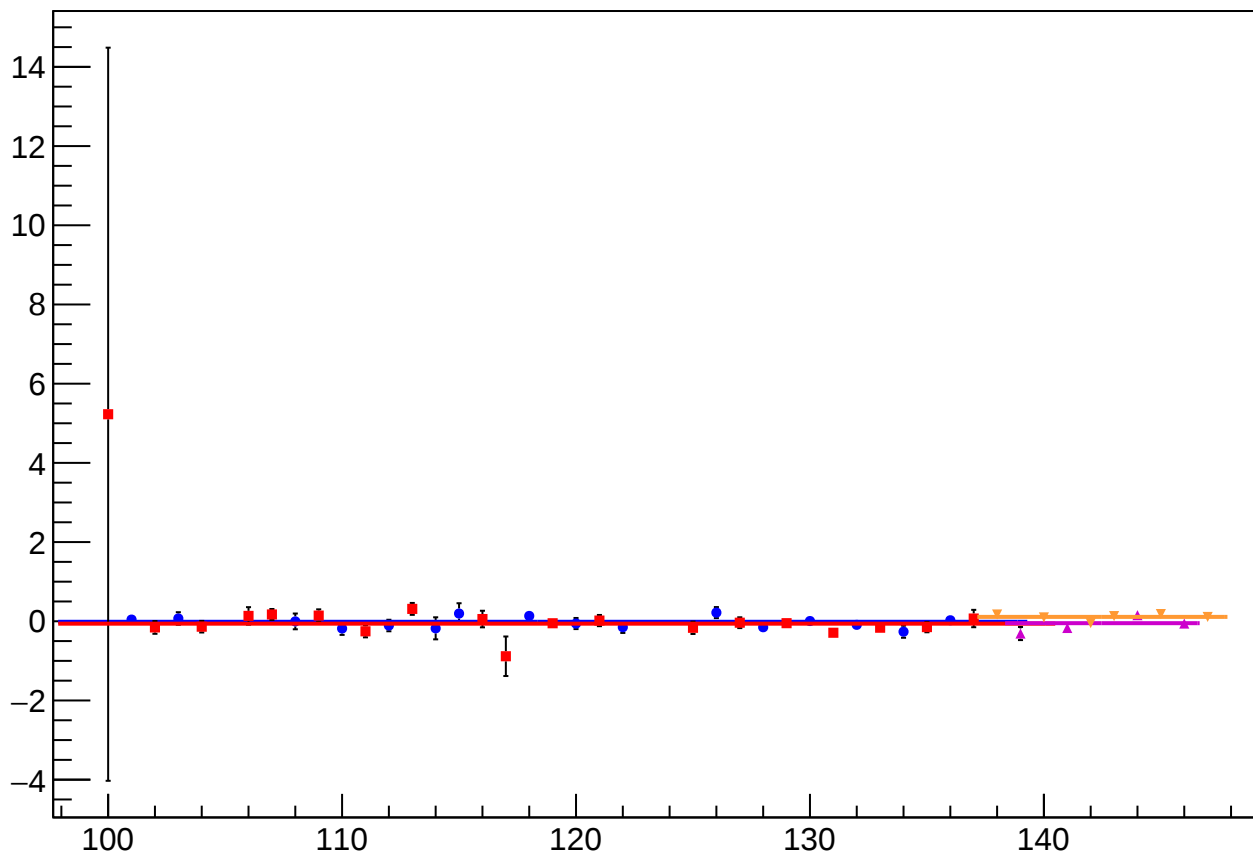
Left In: -0.040 ± 0.054 $\chi^2/\text{NDF}: 0.9/3$

0.140 ± 0.035 $\chi^2/\text{NDF}: 20.2/21$

0.010 ± 0.026 $\chi^2/\text{NDF}: 83.5/44$

-0.143 ± 0.038 $\chi^2/\text{NDF}: 33.1/22$

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.111 ± 0.040 χ^2/NDF : 2.5/5

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

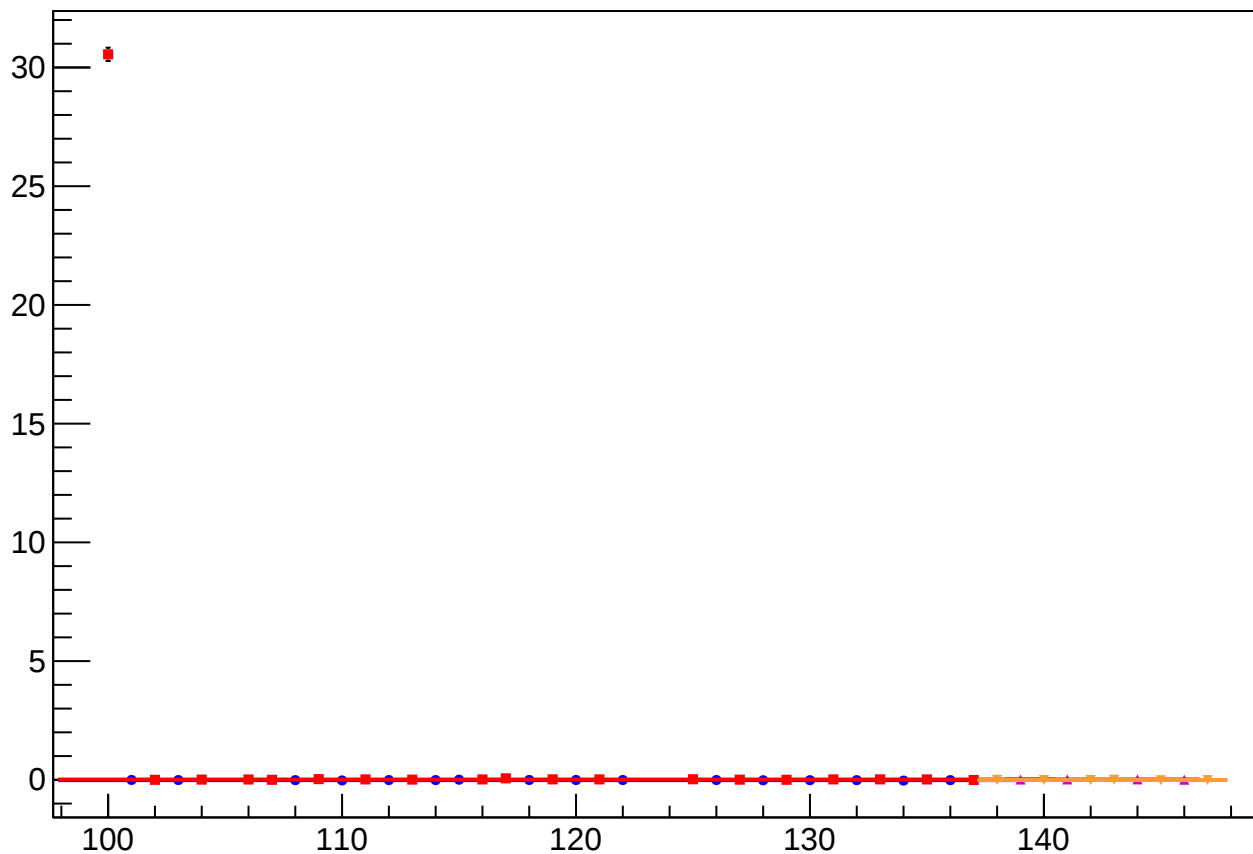
Left In: -0.048 ± 0.048 χ^2/NDF : 9.3/3

0.037 ± 0.025 χ^2/NDF : 22.0/21

-0.006 ± 0.019 χ^2/NDF : 60.6/44

-0.056 ± 0.028 χ^2/NDF : 32.4/22

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.002 χ^2/NDF : 11.6/5

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

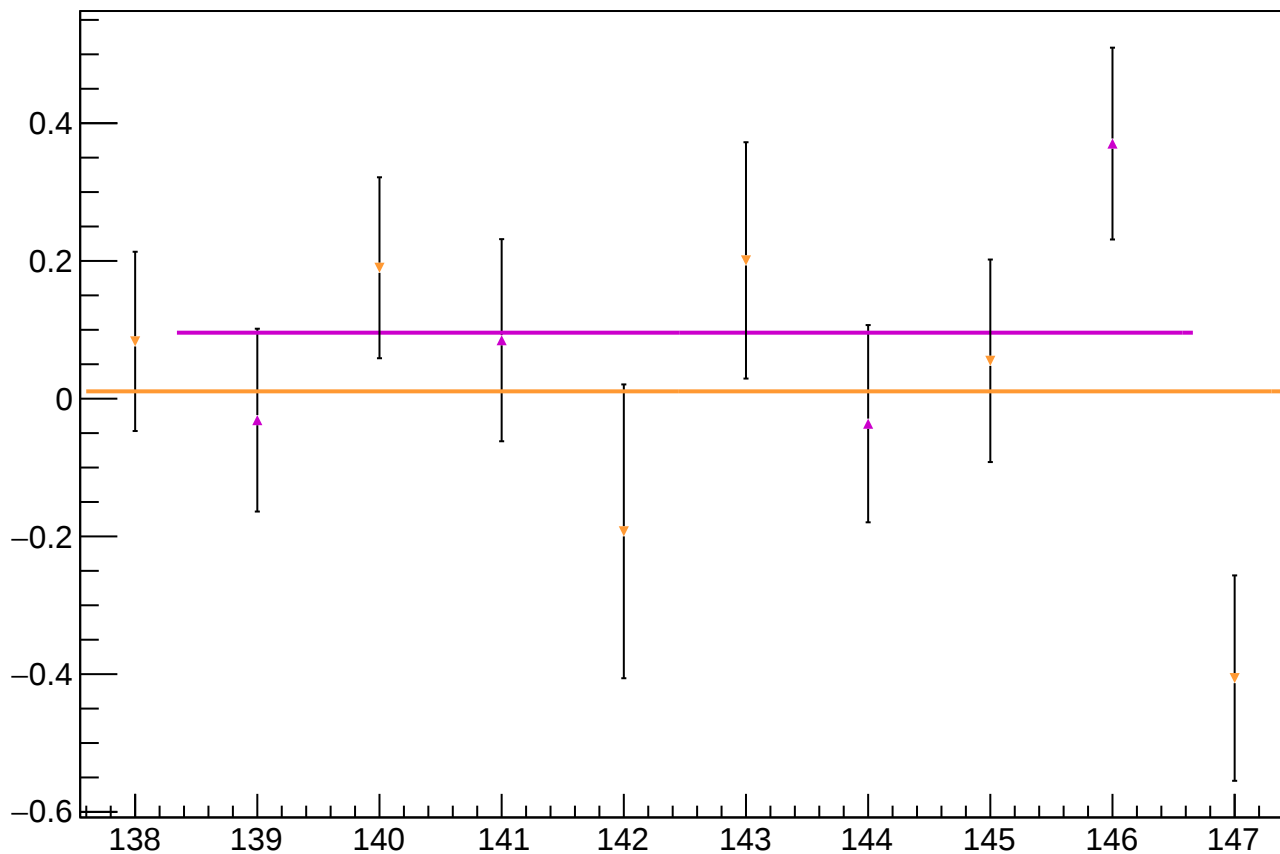
Left In: 0.015 ± 0.002 χ^2/NDF : 4.9/3

-0.010 ± 0.001 χ^2/NDF : 26.7/21

0.001 ± 0.001 χ^2/NDF : 12073.7/44

0.013 ± 0.001 χ^2/NDF : 11899.6/22

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 0.011 $\pm$ 0.062 χ^2 /NDF: 12.2/5

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

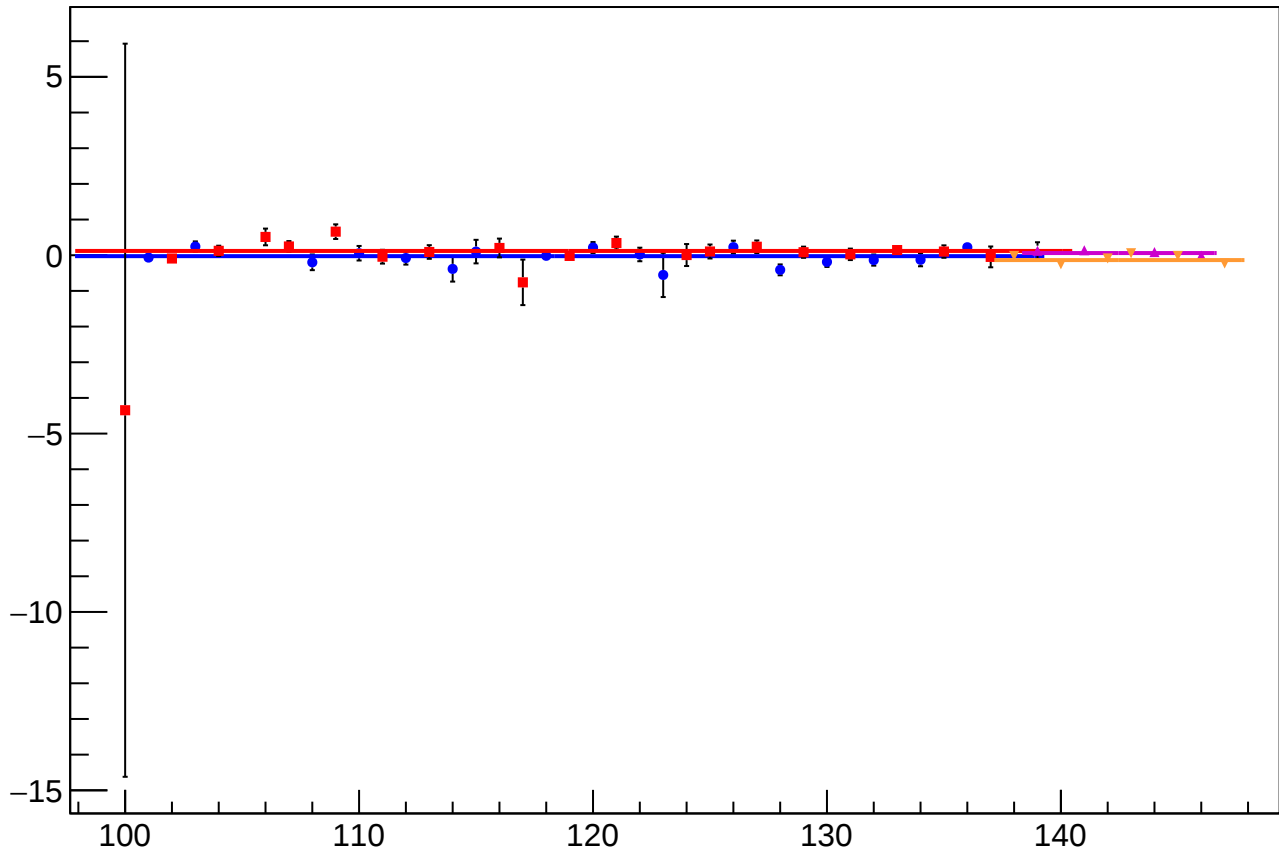
Left In: 0.096 $\pm$ 0.070 χ^2 /NDF: 5.7/3

0.011 $\pm$ 0.062 χ^2 /NDF: 12.2/5

0.048 $\pm$ 0.046 χ^2 /NDF: 18.7/9

0.096 $\pm$ 0.070 χ^2 /NDF: 5.7/3

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.136 ± 0.044 χ^2/NDF : 7.3/5

Right Out: 0.120 ± 0.039 χ^2/NDF : 20.2/19

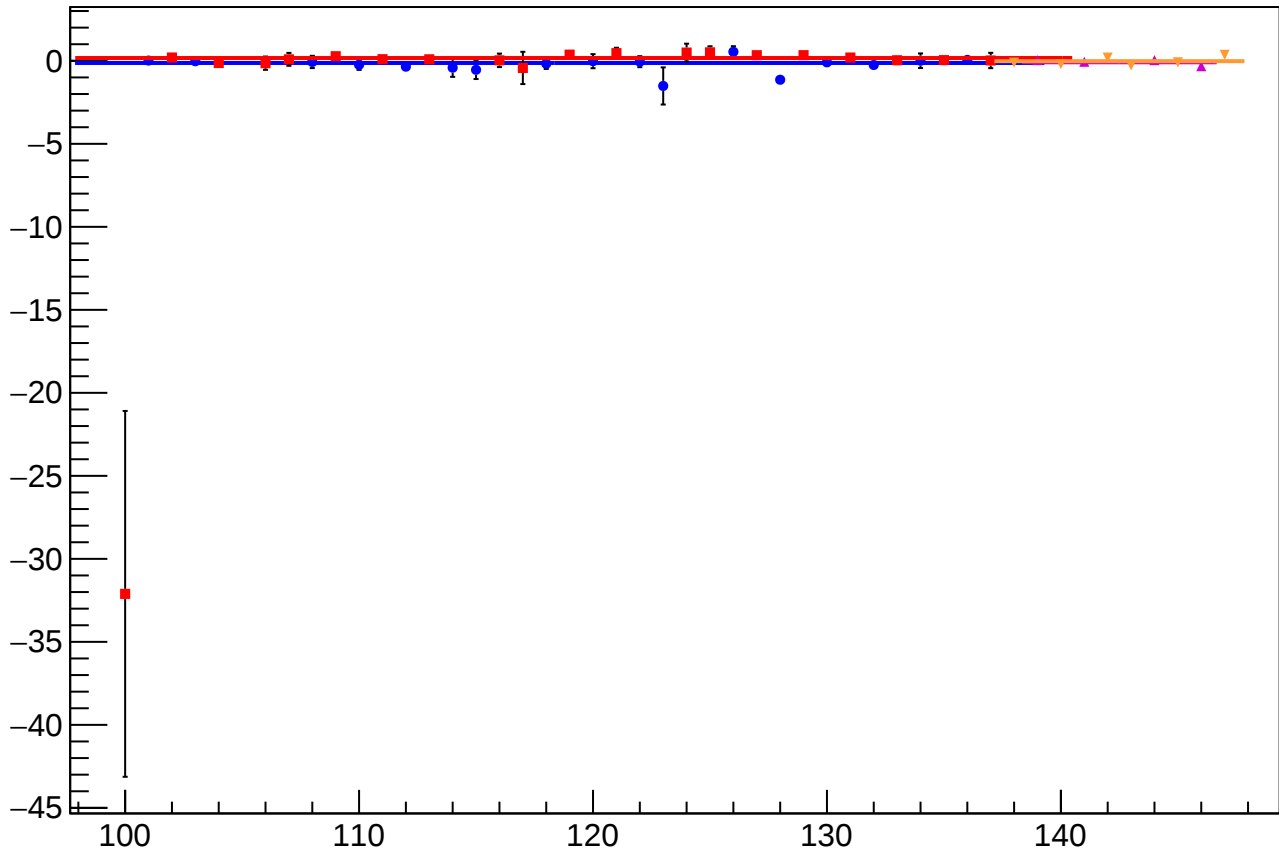
Left In: 0.061 ± 0.053 χ^2/NDF : 1.5/3

-0.072 ± 0.028 χ^2/NDF : 33.7/22

0.004 ± 0.021 χ^2/NDF : 72.5/46

0.100 ± 0.032 χ^2/NDF : 22.5/23

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: -0.020 ± 0.064 χ^2/NDF : 12.5/5

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

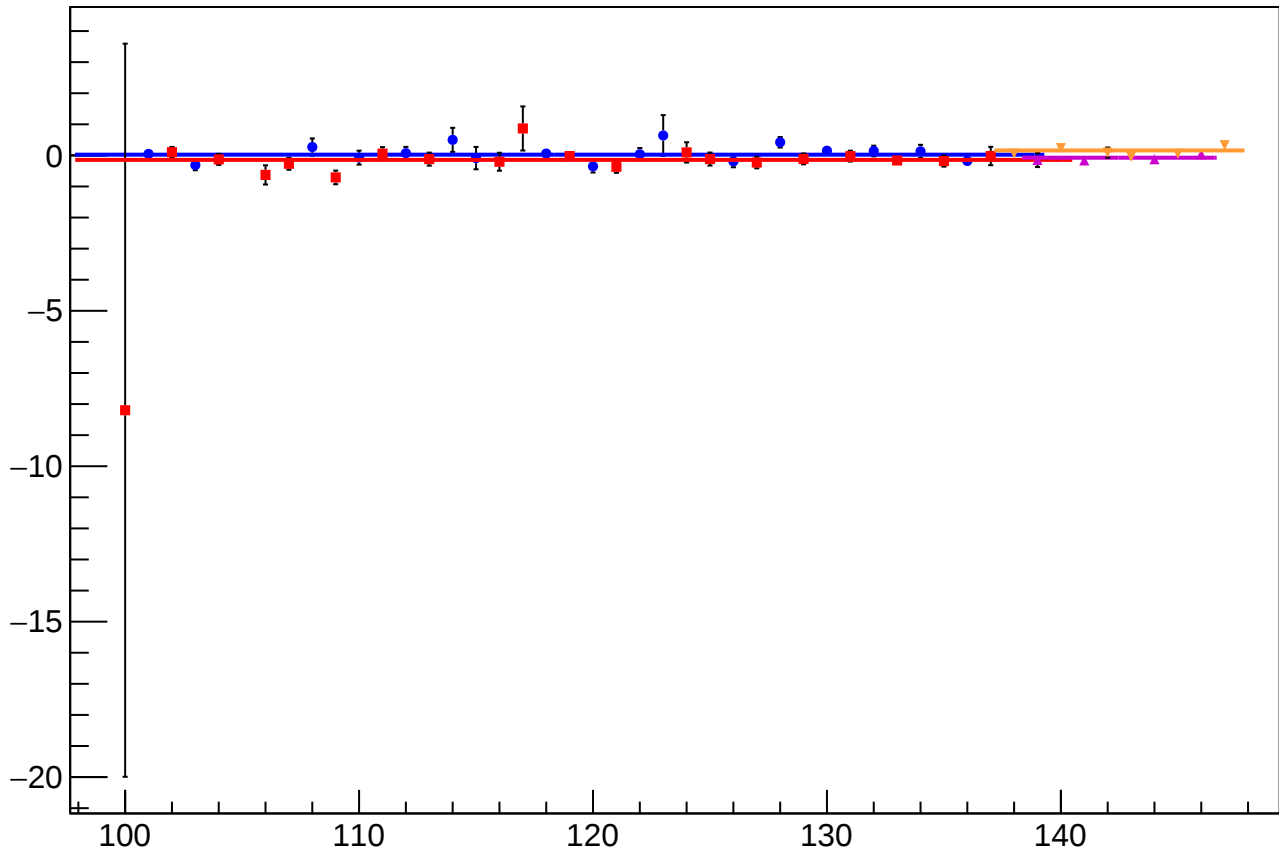
Left In: -0.088 ± 0.073 χ^2/NDF : 4.7/3

-0.072 ± 0.046 χ^2/NDF : 37.0/22

-0.019 ± 0.034 χ^2/NDF : 66.3/46

0.044 ± 0.051 χ^2/NDF : 26.4/23

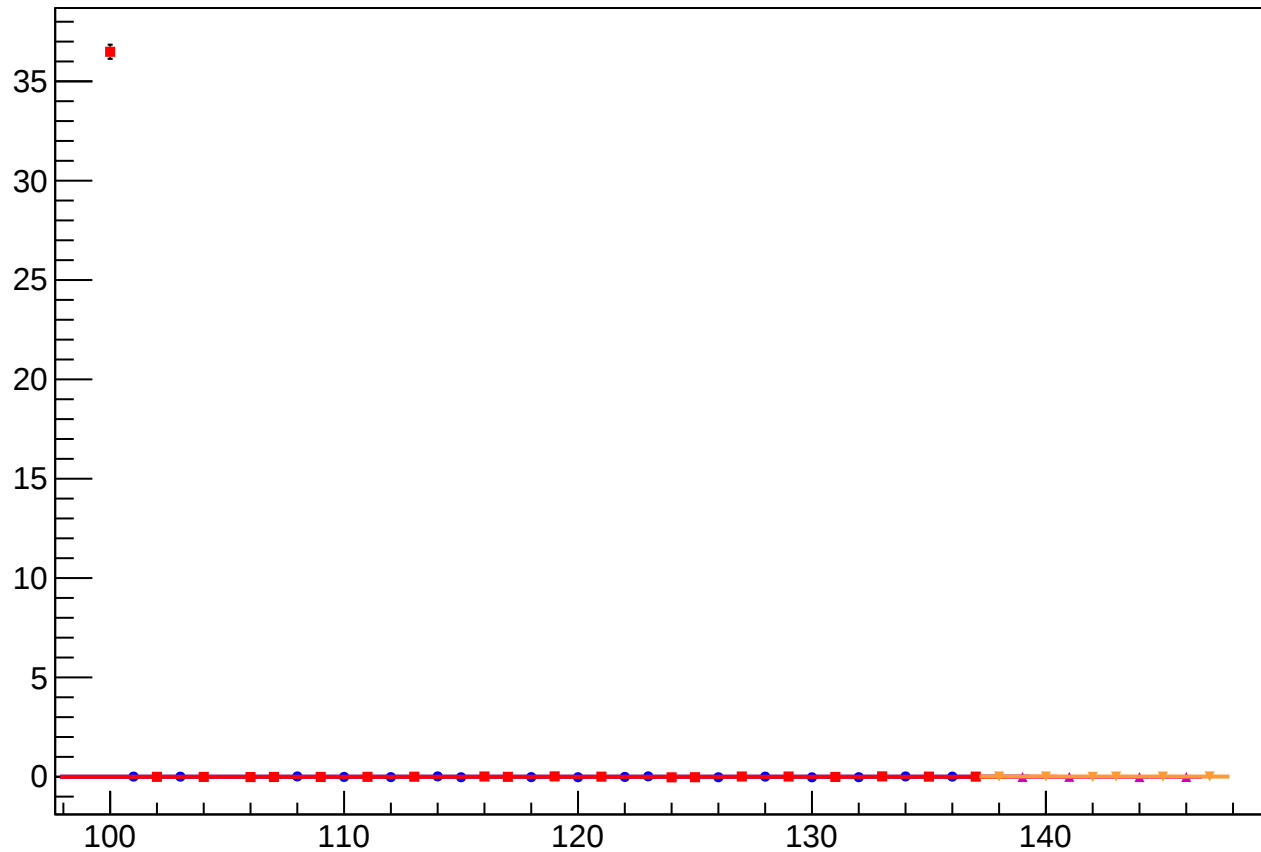
reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16
 Left Out: 0.159 ± 0.054 χ^2/NDF : 6.6/5
 Right Out: -0.144 ± 0.045 χ^2/NDF : 18.6/19
 Left In: -0.075 ± 0.065 χ^2/NDF : 1.9/3

0.075 ± 0.033 χ^2/NDF : 31.8/22
 -0.013 ± 0.025 χ^2/NDF : 68.5/46
 -0.121 ± 0.037 χ^2/NDF : 21.3/23

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 ± 0.002 χ^2/NDF : 30.6/16

Left Out: 0.010 ± 0.003 χ^2/NDF : 4.3/5

Right Out: -0.001 ± 0.002 χ^2/NDF : 10449.1/19

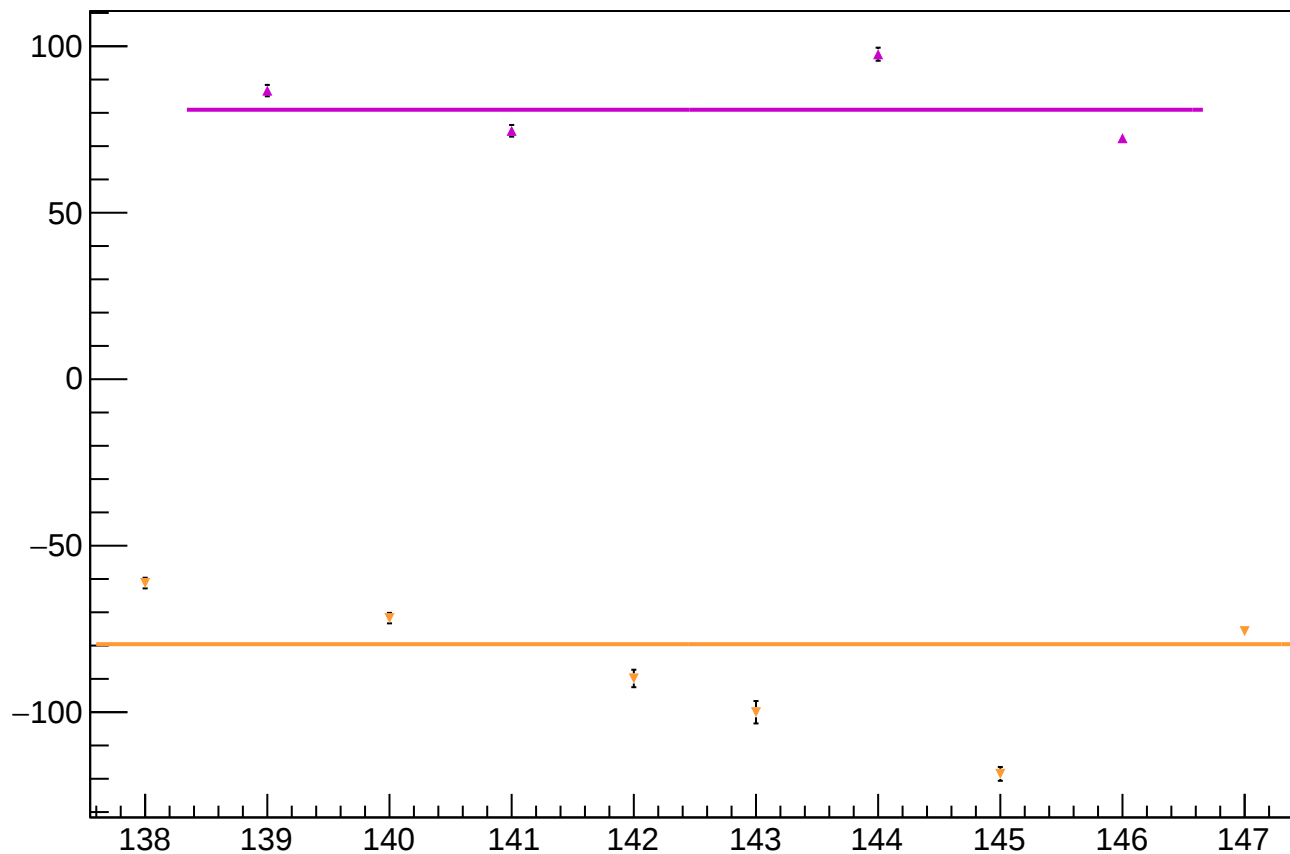
Left In: -0.010 ± 0.003 χ^2/NDF : 1.7/3

0.005 ± 0.002 χ^2/NDF : 40.8/22

0.001 ± 0.001 χ^2/NDF : 10511.8/46

-0.004 ± 0.002 χ^2/NDF : 10457.0/23

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -79.579+/-0.750 χ^2/NDF : 568.4/5

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

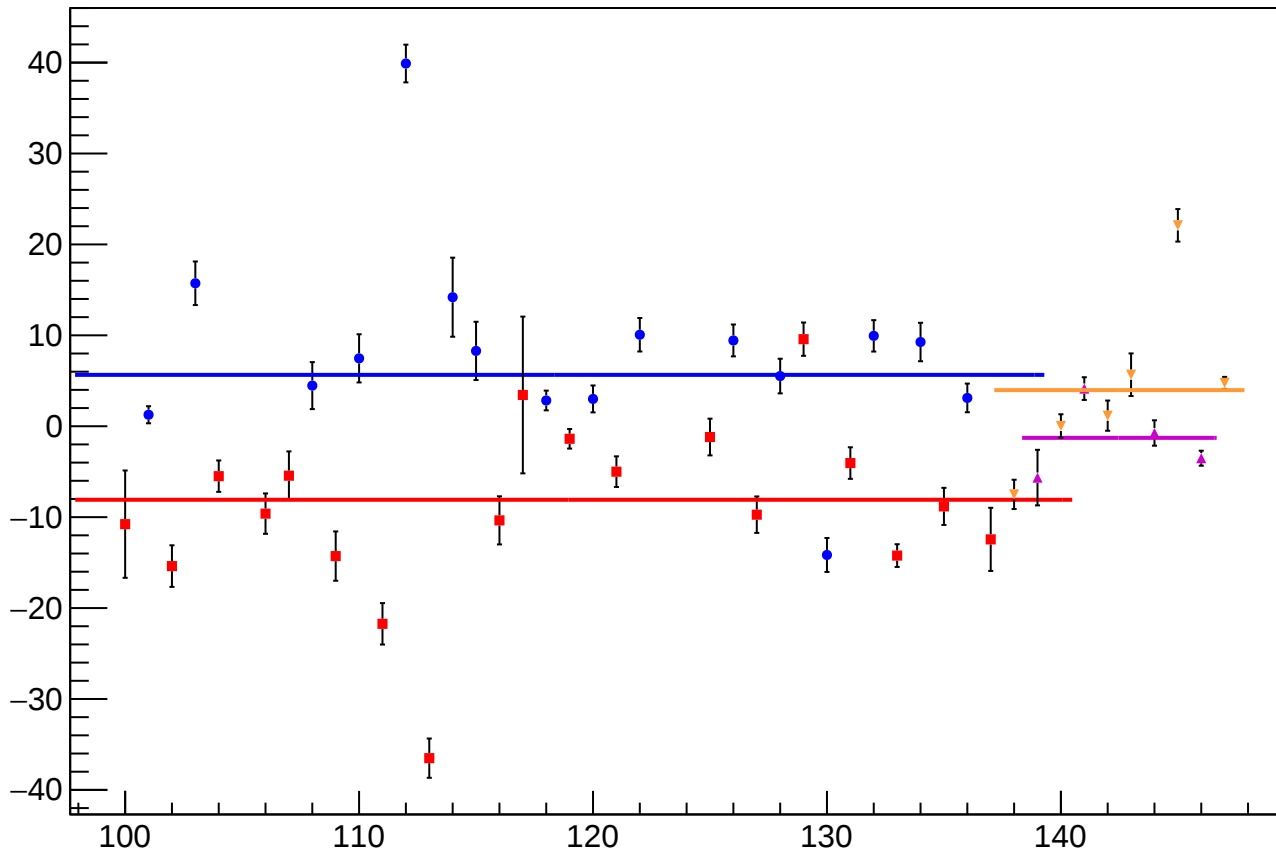
Left In: 80.928+/-0.839 χ^2/NDF : 132.3/3

-79.579+/-0.750 χ^2/NDF : 568.4/5

-8.273+/-0.559 χ^2/NDF : 21026.0/9

80.928+/-0.839 χ^2/NDF : 132.3/3

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 $\pm$ 0.429 χ^2/NDF : 461.9/15

Left Out: 3.973 $\pm$ 0.491 χ^2/NDF : 167.6/5

Right Out: -8.087 $\pm$ 0.452 χ^2/NDF : 409.7/18

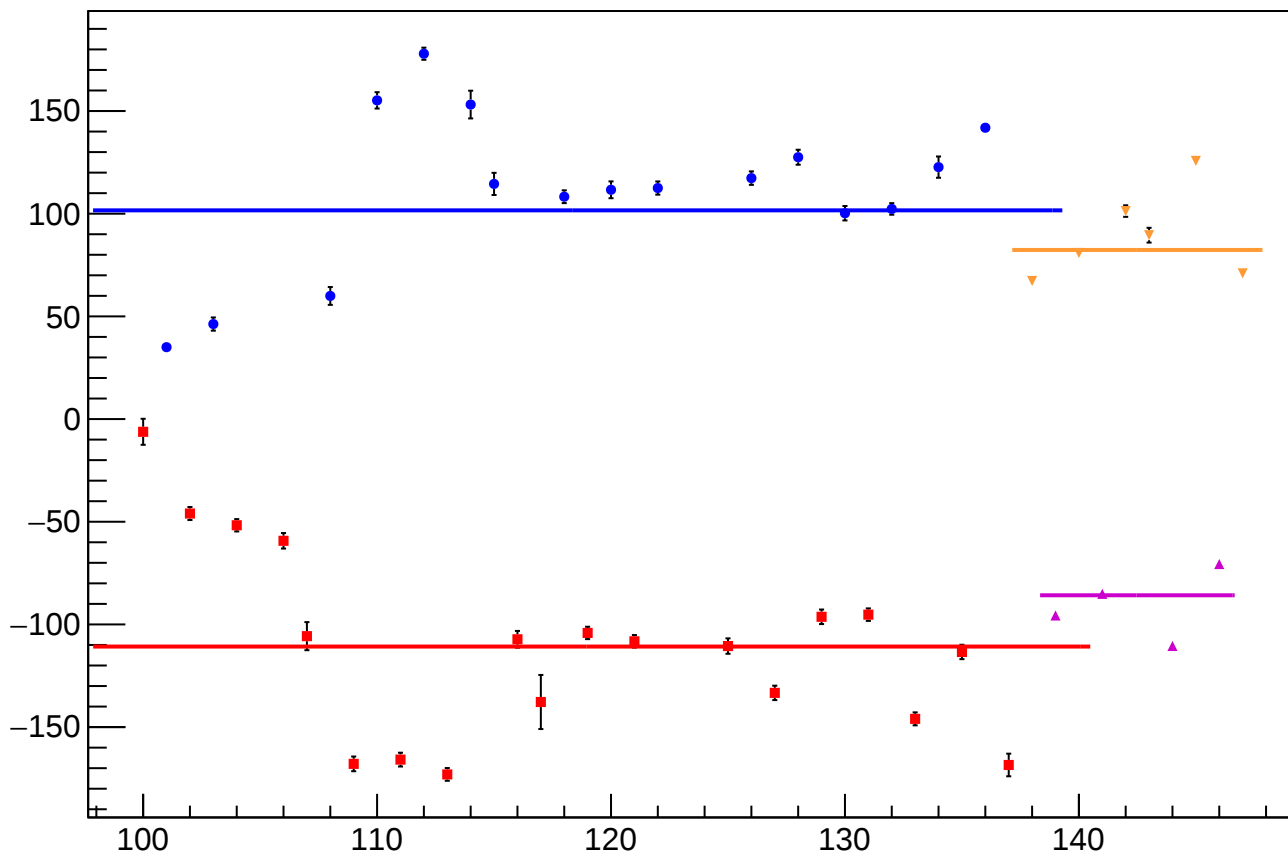
Left In: -1.277 $\pm$ 0.606 χ^2/NDF : 28.4/3

4.924 $\pm$ 0.323 χ^2/NDF : 636.2/21

0.237 $\pm$ 0.241 χ^2/NDF : 1630.2/44

-5.651 $\pm$ 0.362 χ^2/NDF : 519.3/22

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2/NDF : 2980.2/15

Left Out: 82.351 $\pm$ 0.767 χ^2/NDF : 608.0/5

Right Out: -110.778 $\pm$ 0.834 χ^2/NDF : 2518.3/18

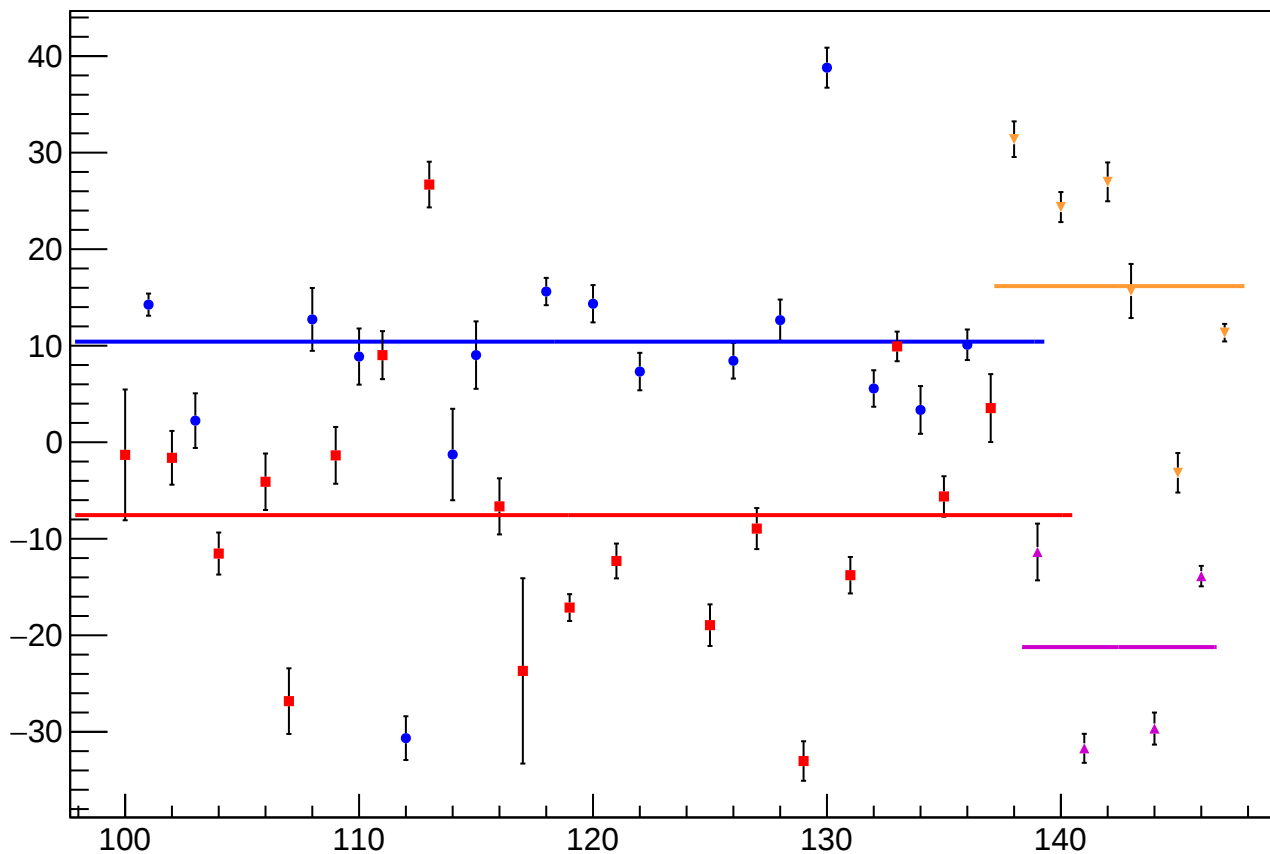
Left In: -85.806 $\pm$ 0.862 χ^2/NDF : 291.2/3

91.440 $\pm$ 0.558 χ^2/NDF : 3886.0/21

3.259 $\pm$ 0.408 χ^2/NDF : 61061.1/44

-98.698 $\pm$ 0.600 χ^2/NDF : 3242.8/22

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 16.173 $\pm$ 0.629 χ^2 /NDF: 242.1/5

Right Out: -7.550 $\pm$ 0.522 χ^2 /NDF: 692.3/18

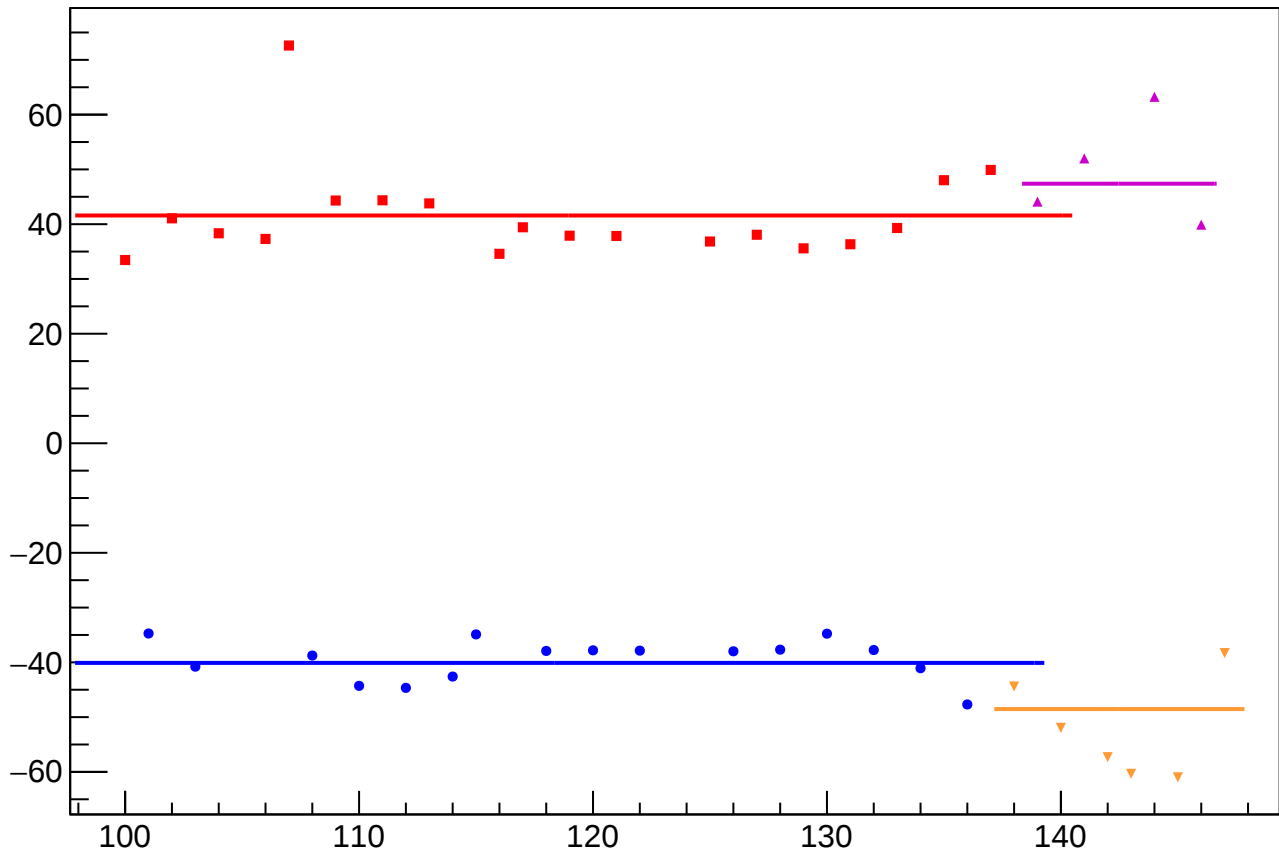
Left In: -21.222 $\pm$ 0.742 χ^2 /NDF: 134.2/3

12.635 $\pm$ 0.390 χ^2 /NDF: 873.4/21

1.399 $\pm$ 0.288 χ^2 /NDF: 3752.3/44

-12.081 $\pm$ 0.427 χ^2 /NDF: 1053.4/22

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 $\pm$ 0.028 χ^2 /NDF: 25073.4/15

Left Out: -48.527 $\pm$ 0.033 χ^2 /NDF: 67787.4/5

Right Out: 41.588 $\pm$ 0.029 χ^2 /NDF: 61690.5/18

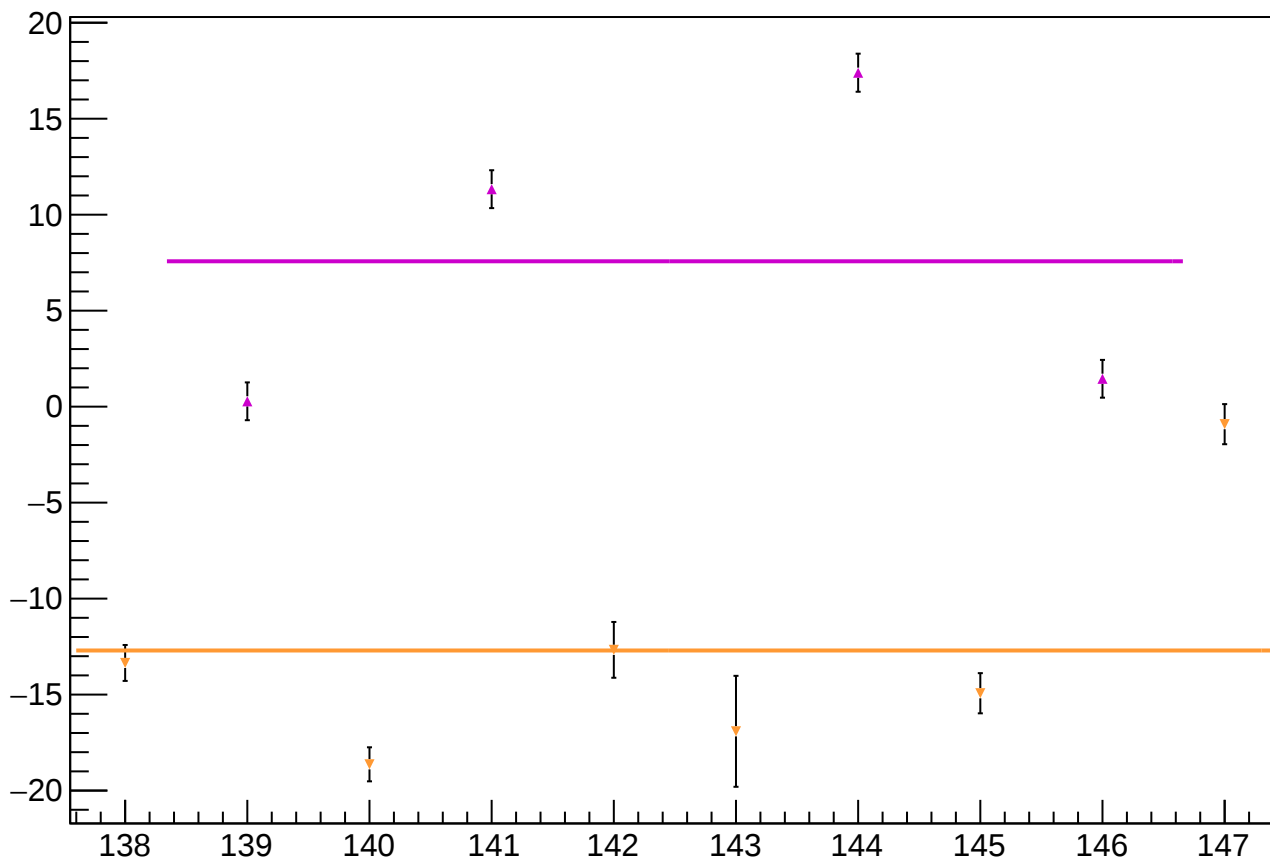
Left In: 47.392 $\pm$ 0.036 χ^2 /NDF: 50143.3/3

-43.698 $\pm$ 0.021 χ^2 /NDF: 130700.4/21

-1.652 $\pm$ 0.015 χ^2 /NDF: 8271794.8/44

43.855 $\pm$ 0.022 χ^2 /NDF: 127961.3/22

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.703+/-0.455 χ^2/NDF :179.3/5

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

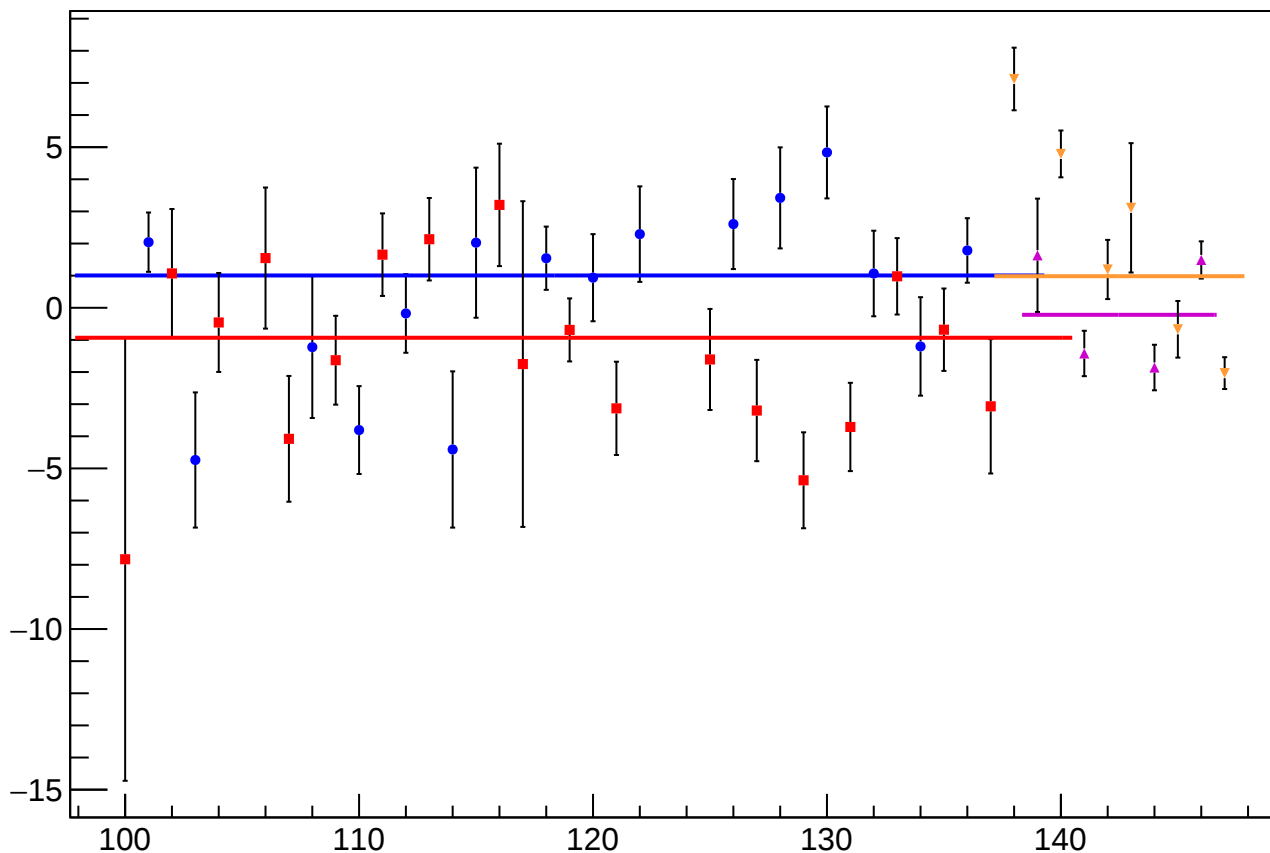
Left In: 7.572+/-0.493 χ^2/NDF :206.2/3

-12.703+/-0.455 χ^2/NDF : 179.3/5

-3.391+/-0.334 χ^2/NDF : 1298.5/9

7.572+/-0.493 χ^2/NDF : 206.2/3

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: 0.983 ± 0.321 χ^2/NDF : 108.7/5

Right Out: -0.933 ± 0.352 χ^2/NDF : 41.9/18

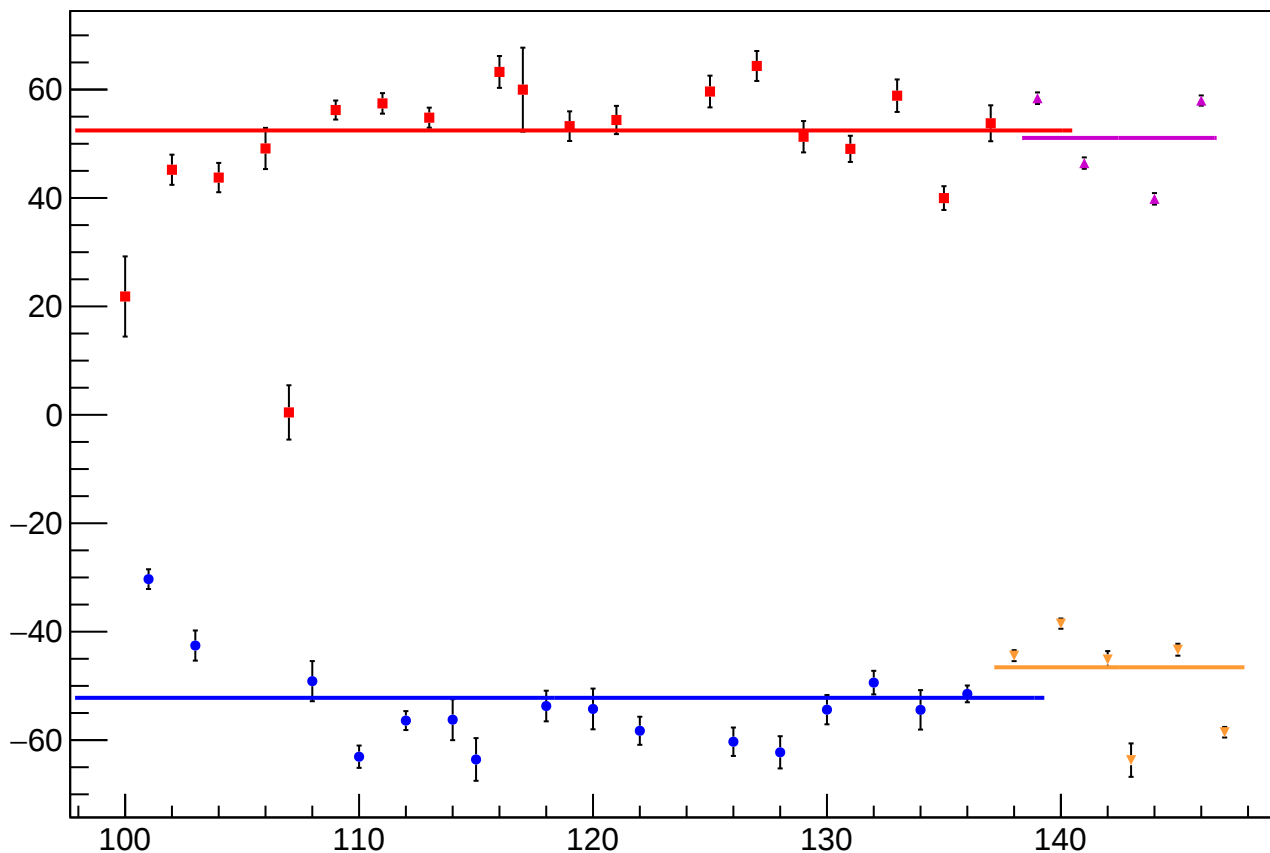
Left In: -0.219 ± 0.370 χ^2/NDF : 18.0/3

0.994 ± 0.234 χ^2/NDF : 151.4/21

0.270 ± 0.172 χ^2/NDF : 234.3/44

-0.593 ± 0.255 χ^2/NDF : 61.9/22

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200+/-0.615 χ^2/NDF : 230.6/15

Left Out: -46.566+/-0.472 χ^2/NDF :268.4/5

Right Out: 52.455+/-0.614 χ^2/NDF : 234.8/18

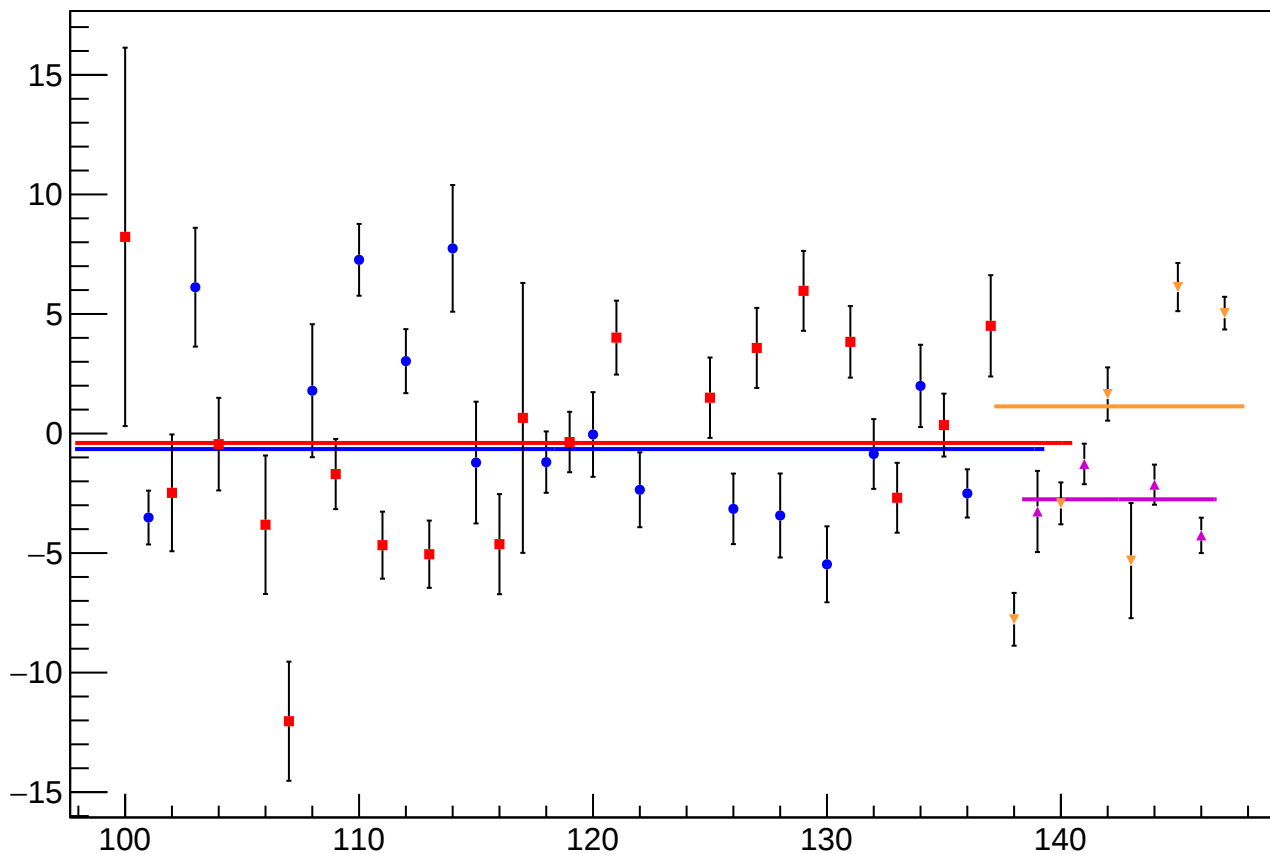
Left In: 51.079+/-0.513 χ^2/NDF :232.5/3

-48.656+/-0.374 χ^2/NDF : 551.9/21

-1.022+/-0.271 χ^2/NDF : 35117.8/44

51.644+/-0.394 χ^2/NDF : 470.3/22

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.136 ± 0.401 χ^2/NDF : 150.9/5

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

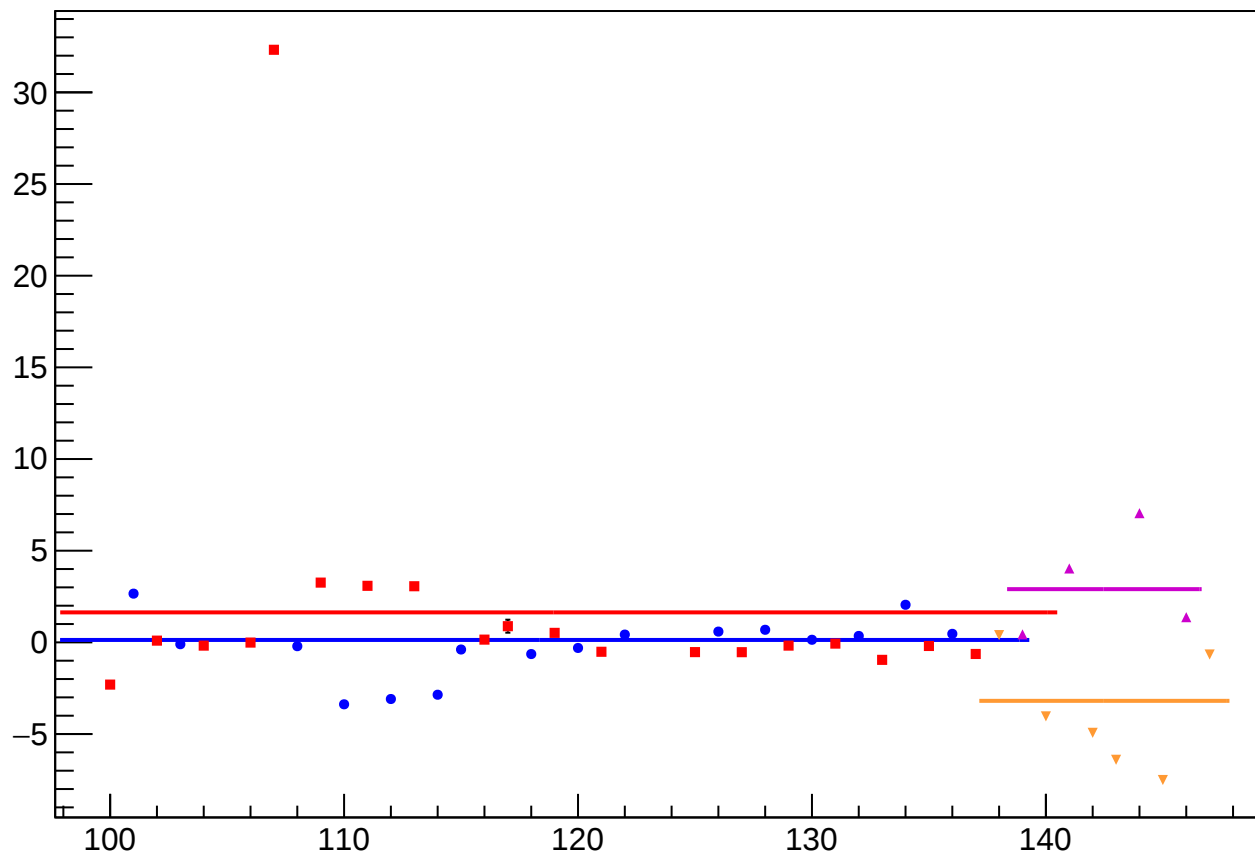
Left In: -2.751 ± 0.448 χ^2/NDF : 7.8/3

0.211 ± 0.278 χ^2/NDF : 243.1/21

-0.556 ± 0.203 χ^2/NDF : 378.6/44

-1.435 ± 0.298 χ^2/NDF : 119.2/22

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 χ^2/NDF : 5247.5/15

Left Out: -3.189 ± 0.020 χ^2/NDF : 23064.7/5

Right Out: 1.635 ± 0.022 χ^2/NDF : 77852.9/18

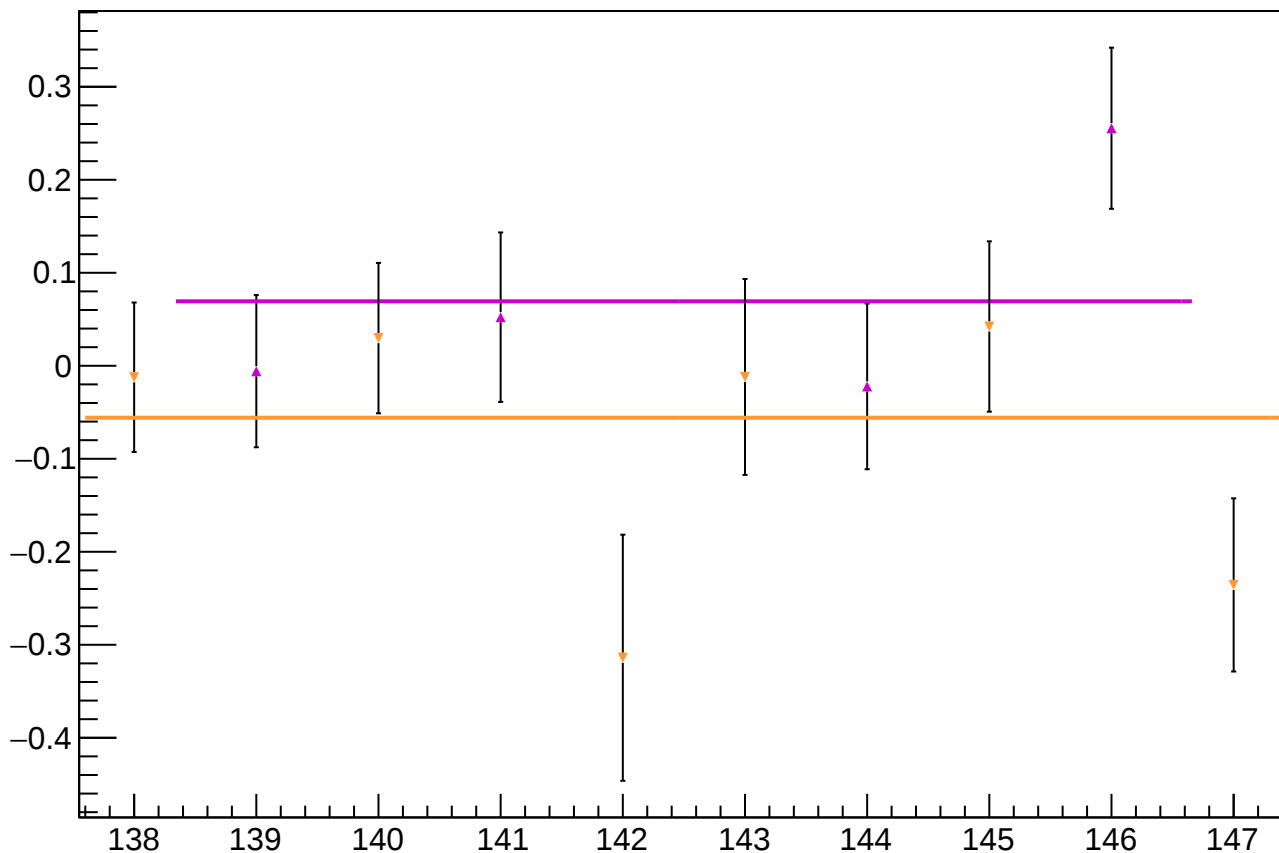
Left In: 2.903 ± 0.021 χ^2/NDF : 14260.0/3

-1.674 ± 0.015 χ^2/NDF : 41212.5/21

0.234 ± 0.010 χ^2/NDF : 170736.7/44

2.292 ± 0.015 χ^2/NDF : 93865.7/22

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.056+/-0.038 χ^2/NDF : 10.3/5

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

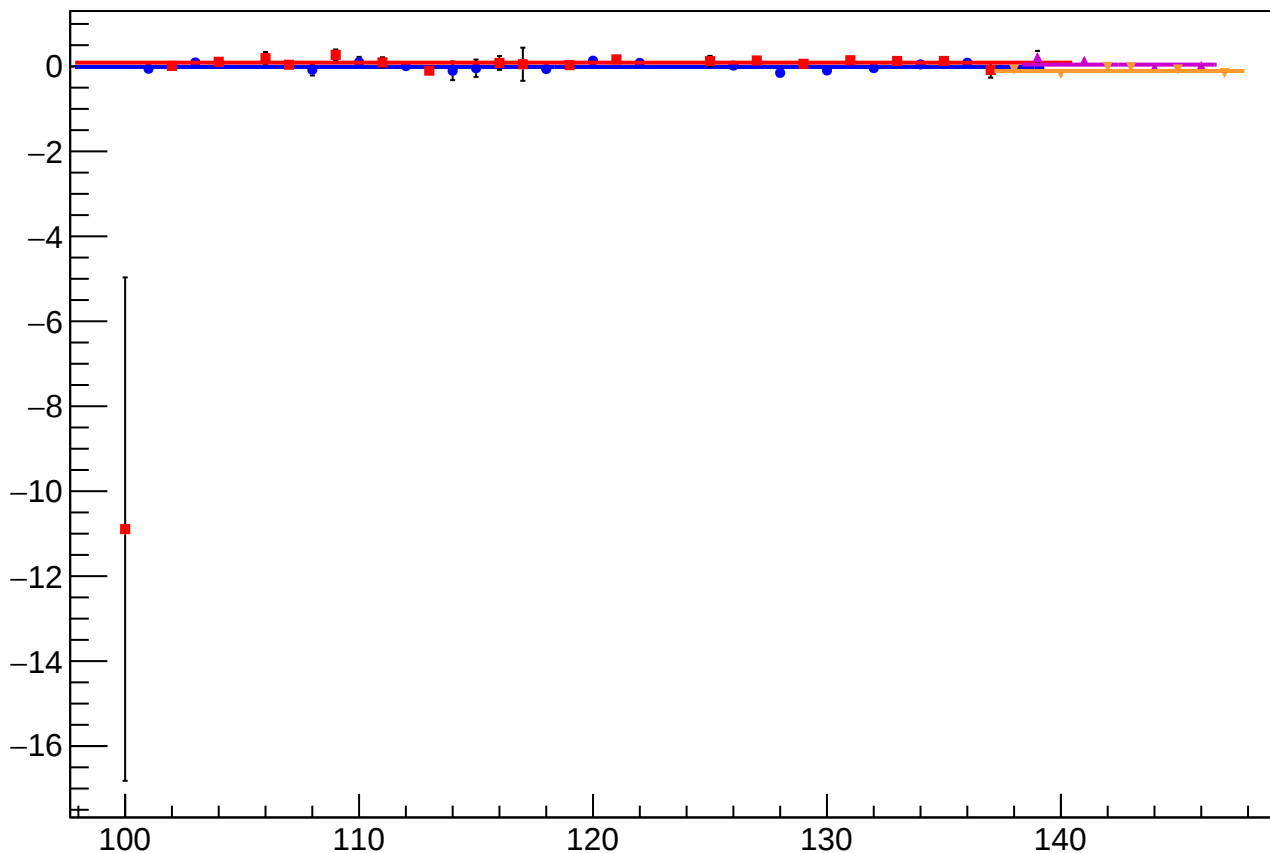
Left In: 0.069+/-0.043 χ^2/NDF : 6.5/3

-0.056+/-0.038 χ^2/NDF : 10.3/5

-0.002+/-0.029 χ^2/NDF : 21.5/9

0.069+/-0.043 χ^2/NDF : 6.5/3

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 11.7/15

Left Out: -0.108 $\pm$ 0.027 χ^2 /NDF: 5.3/5

Right Out: 0.089 $\pm$ 0.025 χ^2 /NDF: 13.0/18

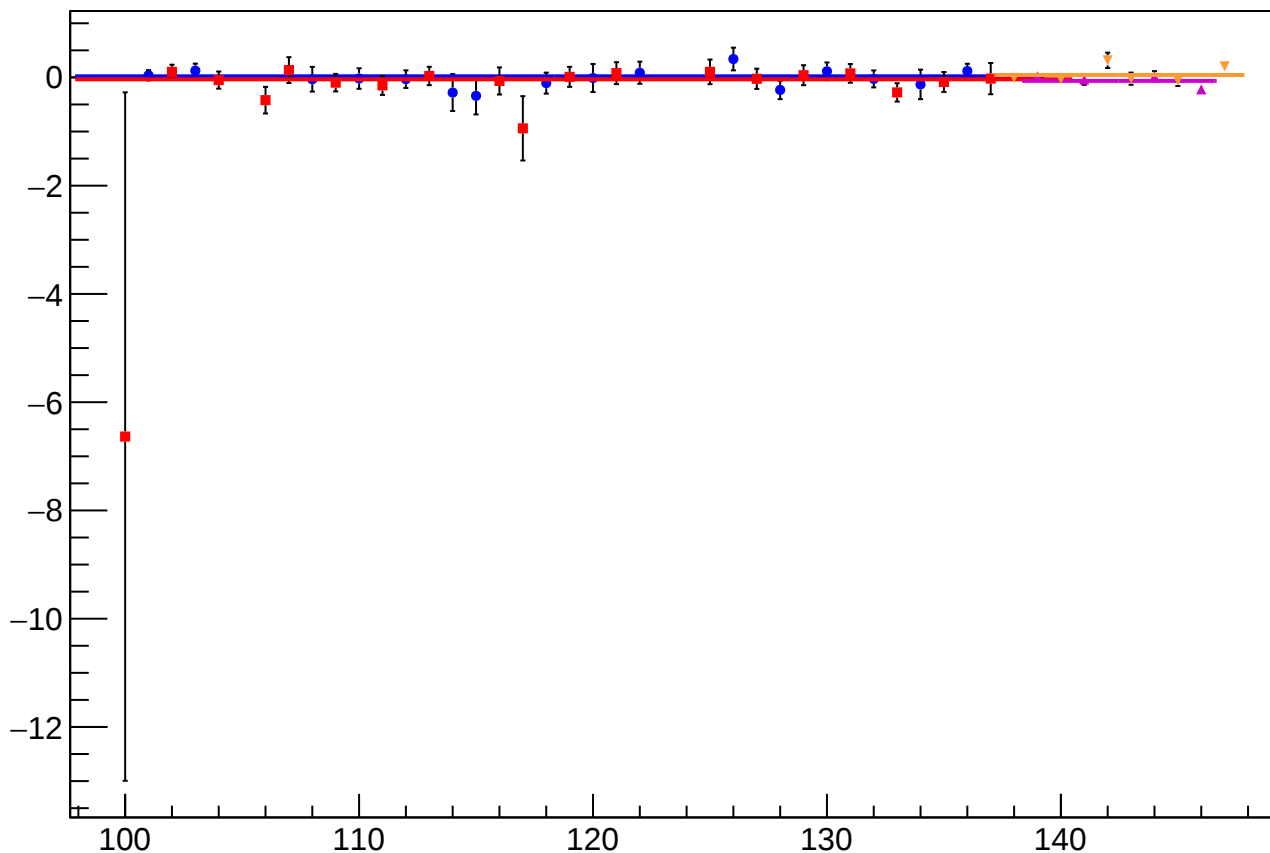
Left In: 0.043 $\pm$ 0.033 χ^2 /NDF: 5.0/3

-0.054 $\pm$ 0.018 χ^2 /NDF: 23.9/21

0.002 $\pm$ 0.013 χ^2 /NDF: 65.6/44

0.073 $\pm$ 0.020 χ^2 /NDF: 19.2/22

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.045 $\pm$ 0.040 χ^2 /NDF: 9.9/5

Right Out: -0.035 $\pm$ 0.045 χ^2 /NDF: 11.6/18

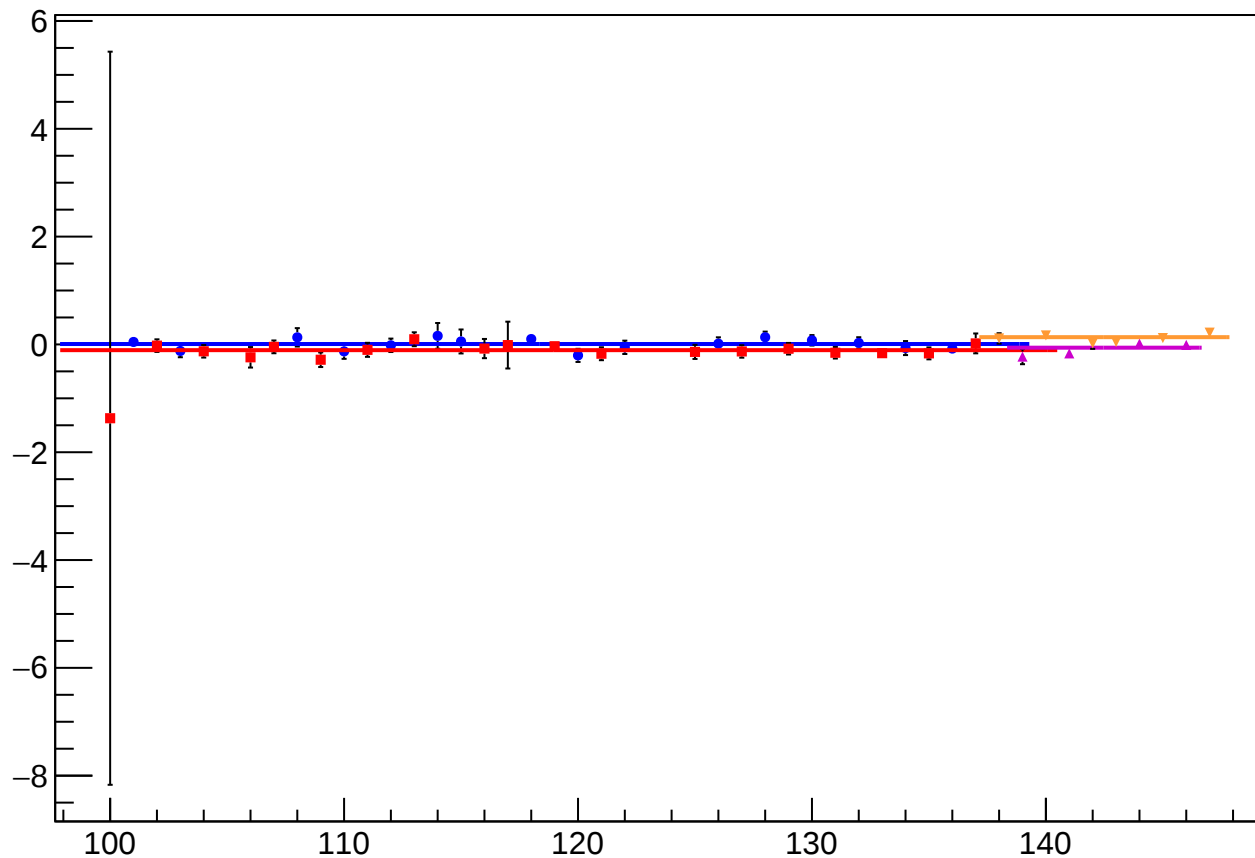
Left In: -0.064 $\pm$ 0.045 χ^2 /NDF: 5.3/3

0.033 $\pm$ 0.029 χ^2 /NDF: 19.1/21

-0.004 $\pm$ 0.022 χ^2 /NDF: 39.9/44

-0.050 $\pm$ 0.032 χ^2 /NDF: 17.1/22

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.135 ± 0.034 χ^2/NDF : 4.5/5

Right Out: -0.106 ± 0.029 χ^2/NDF : 8.2/18

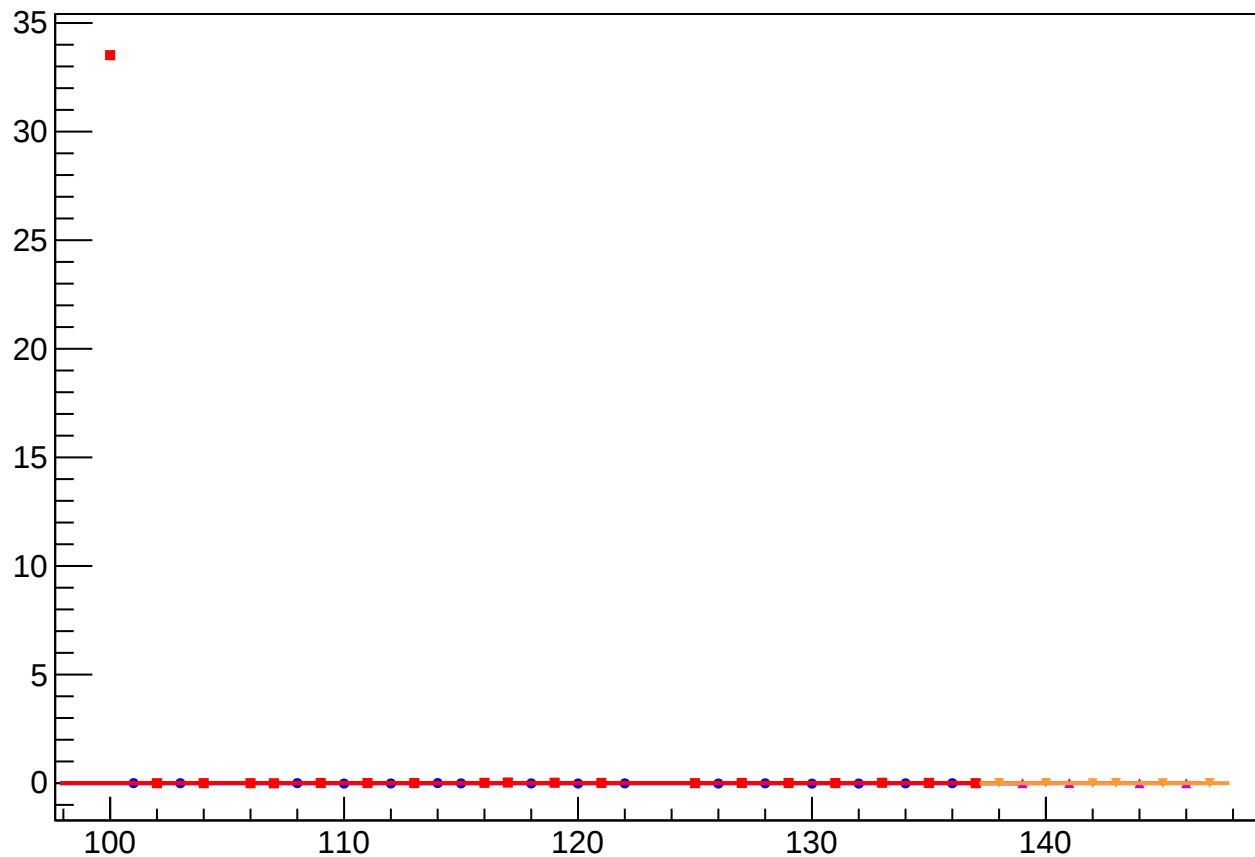
Left In: -0.061 ± 0.040 χ^2/NDF : 4.8/3

0.058 ± 0.021 χ^2/NDF : 24.4/21

-0.009 ± 0.016 χ^2/NDF : 60.7/44

-0.091 ± 0.023 χ^2/NDF : 13.9/22

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.002 χ^2/NDF : 7.3/5

Right Out: 0.006 ± 0.001 χ^2/NDF : 26509.5/18

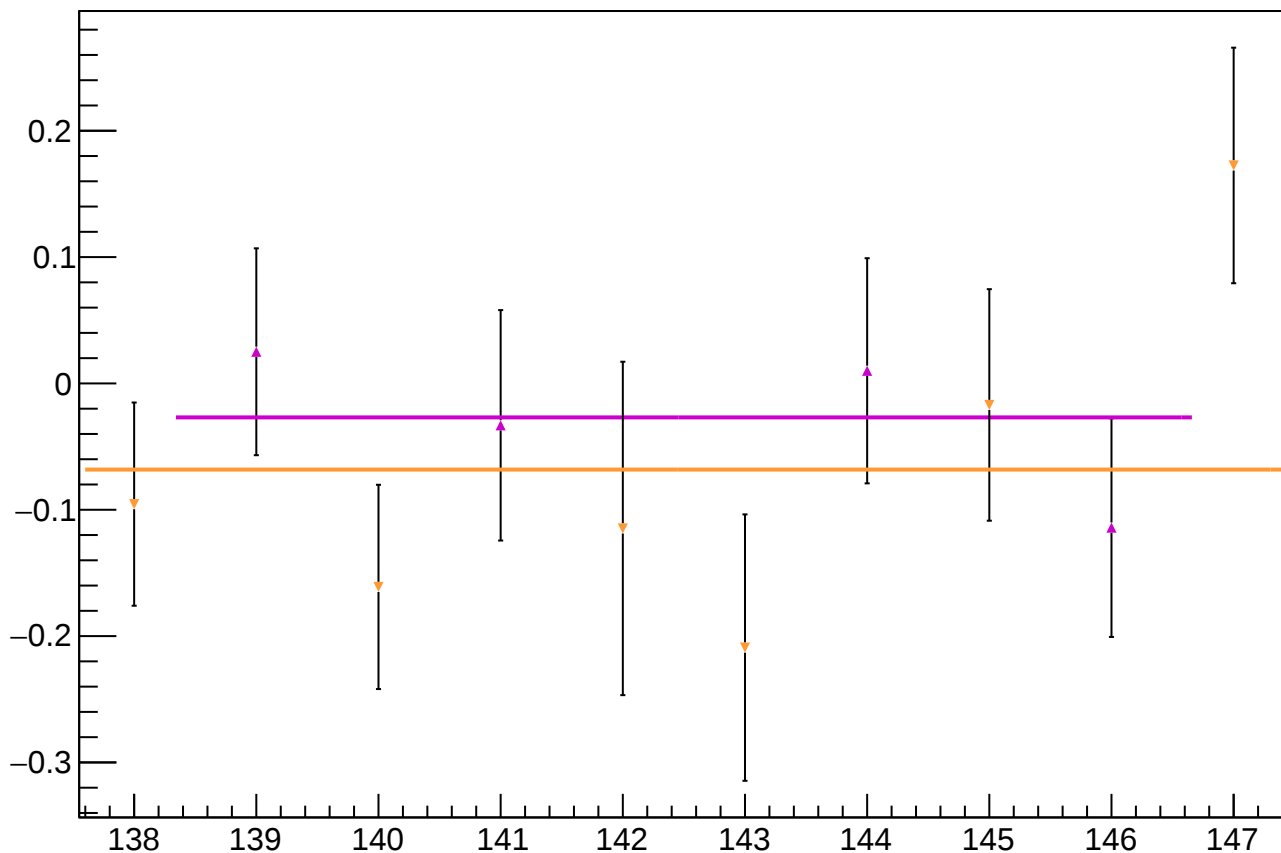
Left In: 0.002 ± 0.002 χ^2/NDF : 2.9/3

-0.003 ± 0.001 χ^2/NDF : 37.3/21

0.001 ± 0.001 χ^2/NDF : 26572.4/44

0.004 ± 0.001 χ^2/NDF : 26515.1/22

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.068 $\pm$ 0.038 χ^2 /NDF: 10.3/5

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

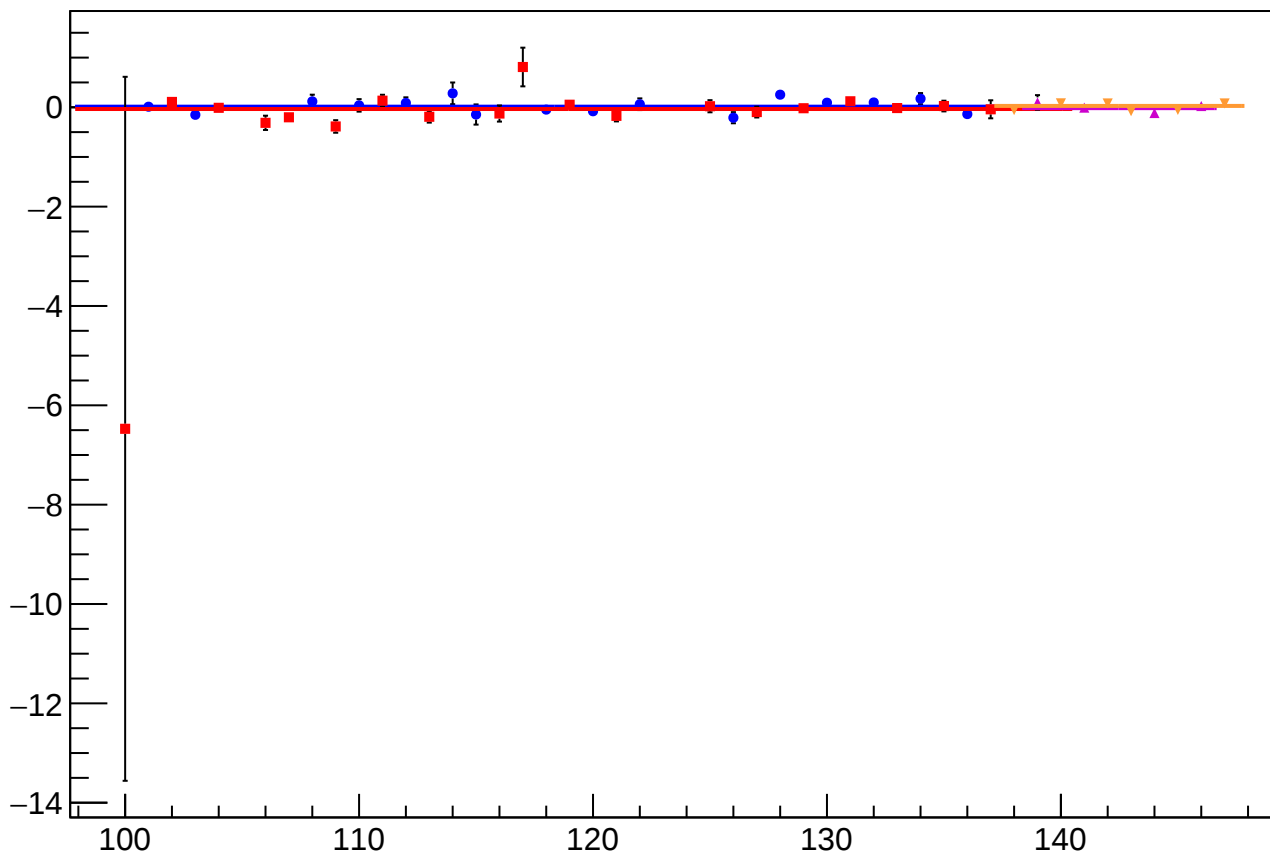
Left In: -0.027 $\pm$ 0.043 χ^2 /NDF: 1.6/3

-0.068 $\pm$ 0.038 χ^2 /NDF: 10.3/5

-0.050 $\pm$ 0.029 χ^2 /NDF: 12.4/9

-0.027 $\pm$ 0.043 χ^2 /NDF: 1.6/3

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: 0.027 $\pm$ 0.027 χ^2 /NDF: 6.3/5

Right Out: -0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

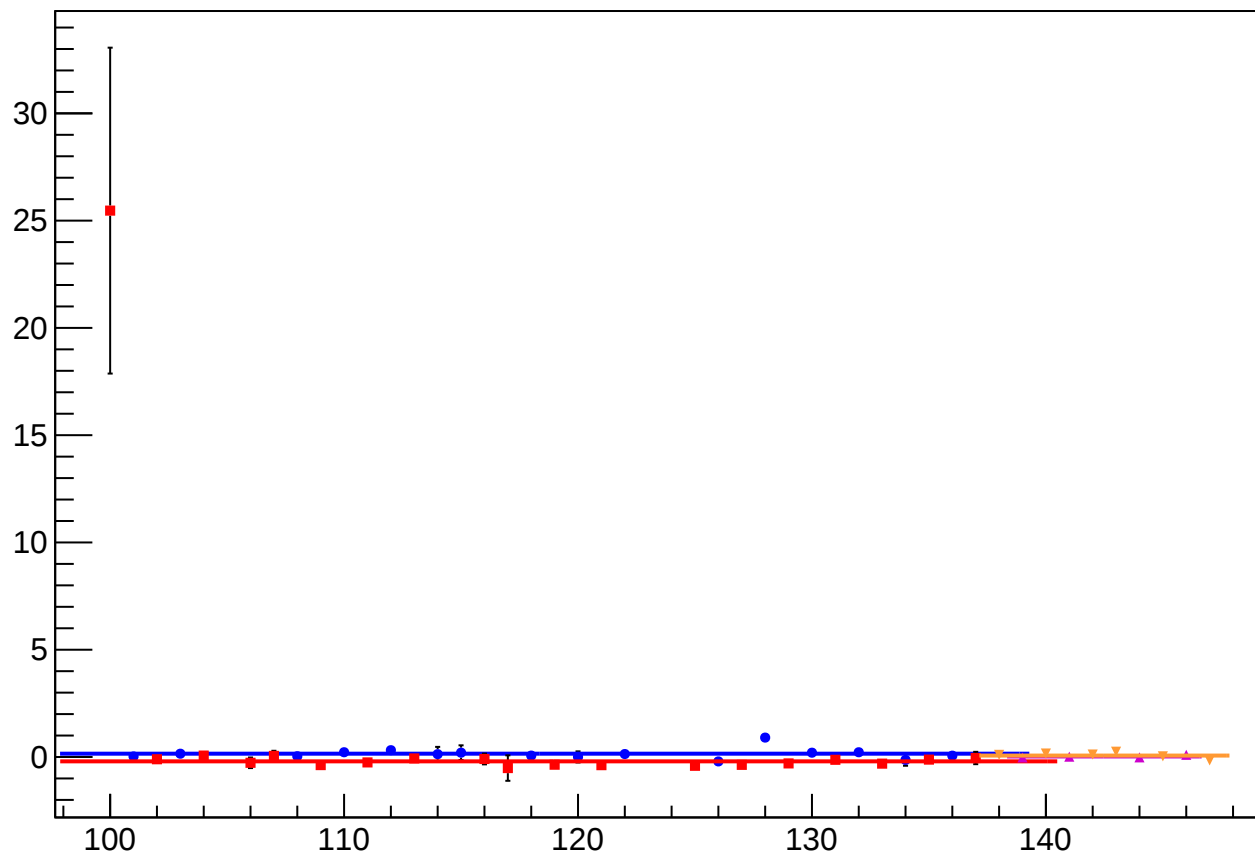
Left In: -0.018 $\pm$ 0.033 χ^2 /NDF: 3.7/3

0.019 $\pm$ 0.018 χ^2 /NDF: 31.5/21

-0.002 $\pm$ 0.013 χ^2 /NDF: 71.7/44

-0.029 $\pm$ 0.020 χ^2 /NDF: 37.1/22

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.067+/-0.040 χ^2/NDF : 11.0/5

Right Out: -0.203+/-0.045 χ^2/NDF : 22.9/18

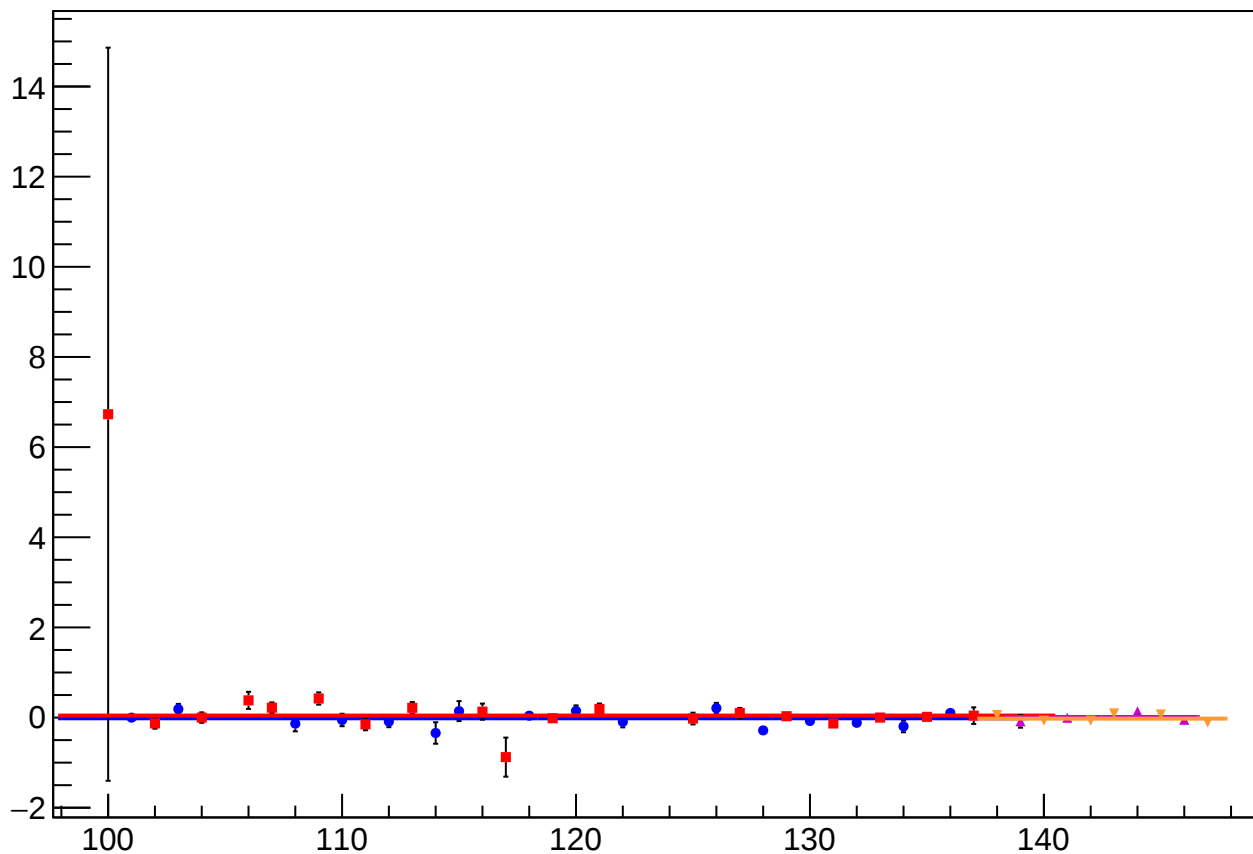
Left In: 0.024+/-0.045 χ^2/NDF : 1.3/3

0.107+/-0.029 χ^2/NDF : 41.1/21

0.017+/-0.022 χ^2/NDF : 98.9/44

-0.090+/-0.032 χ^2/NDF : 36.9/22

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 $\pm$ 0.027 χ^2/NDF : 24.3/15

Left Out: -0.023 $\pm$ 0.034 χ^2/NDF : 6.0/5

Right Out: 0.044 $\pm$ 0.029 χ^2/NDF : 30.5/18

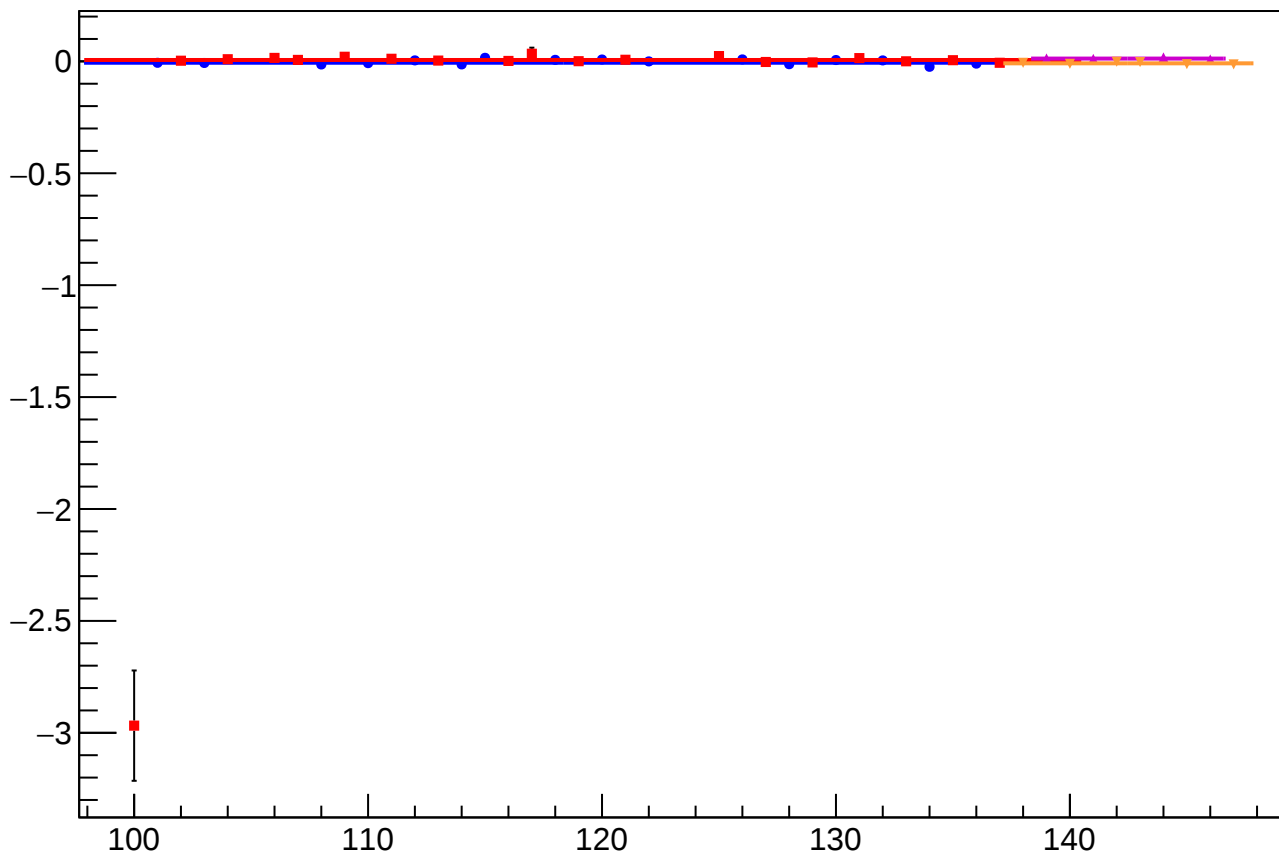
Left In: 0.013 $\pm$ 0.040 χ^2/NDF : 4.1/3

-0.019 $\pm$ 0.021 χ^2/NDF : 30.3/21

0.005 $\pm$ 0.016 χ^2/NDF : 68.2/44

0.034 $\pm$ 0.023 χ^2/NDF : 35.0/22

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 ± 0.002 χ^2/NDF : 6.3/5

Right Out: 0.006 ± 0.001 χ^2/NDF : 167.0/18

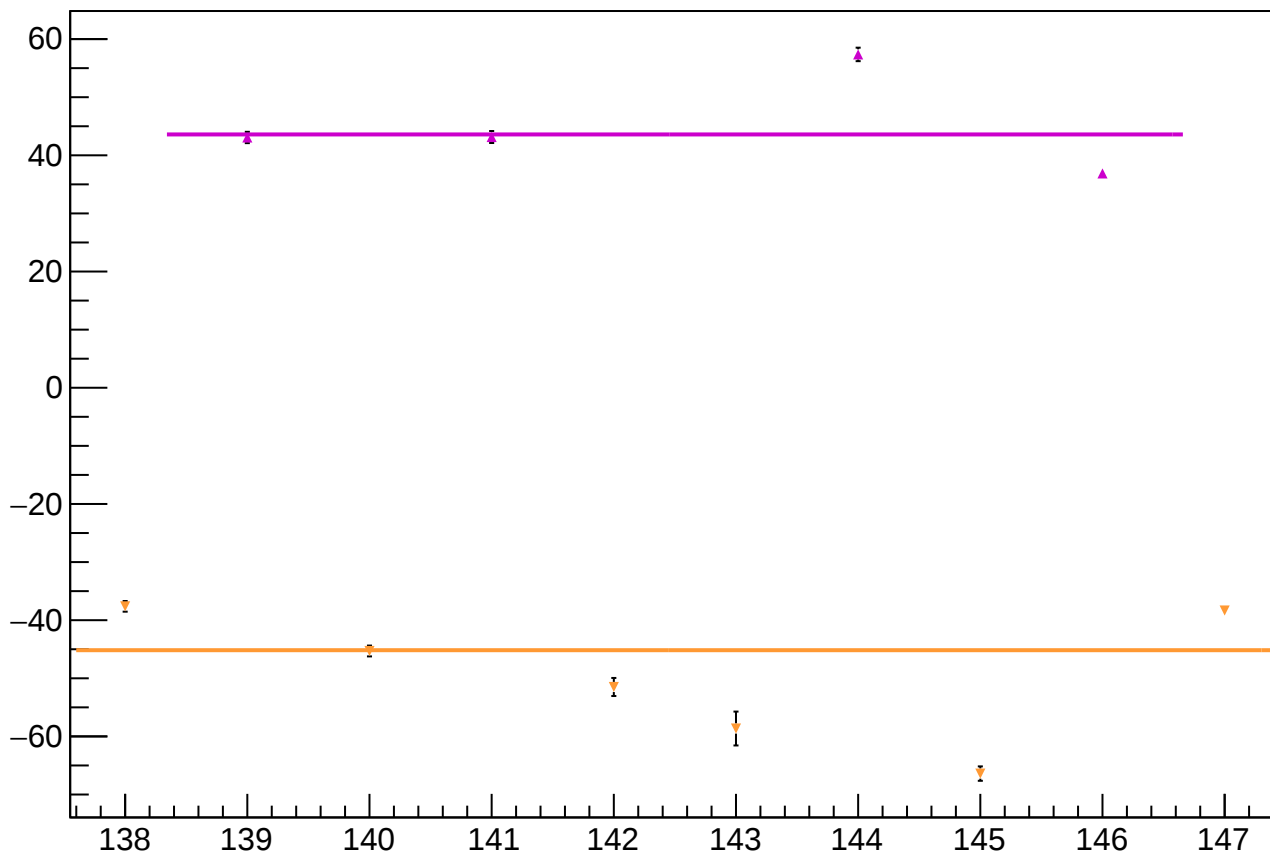
Left In: 0.012 ± 0.002 χ^2/NDF : 2.8/3

-0.007 ± 0.001 χ^2/NDF : 35.2/21

0.000 ± 0.001 χ^2/NDF : 312.9/44

0.008 ± 0.001 χ^2/NDF : 176.9/22

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -45.164+/-0.453 χ^2/NDF : 462.1/5

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

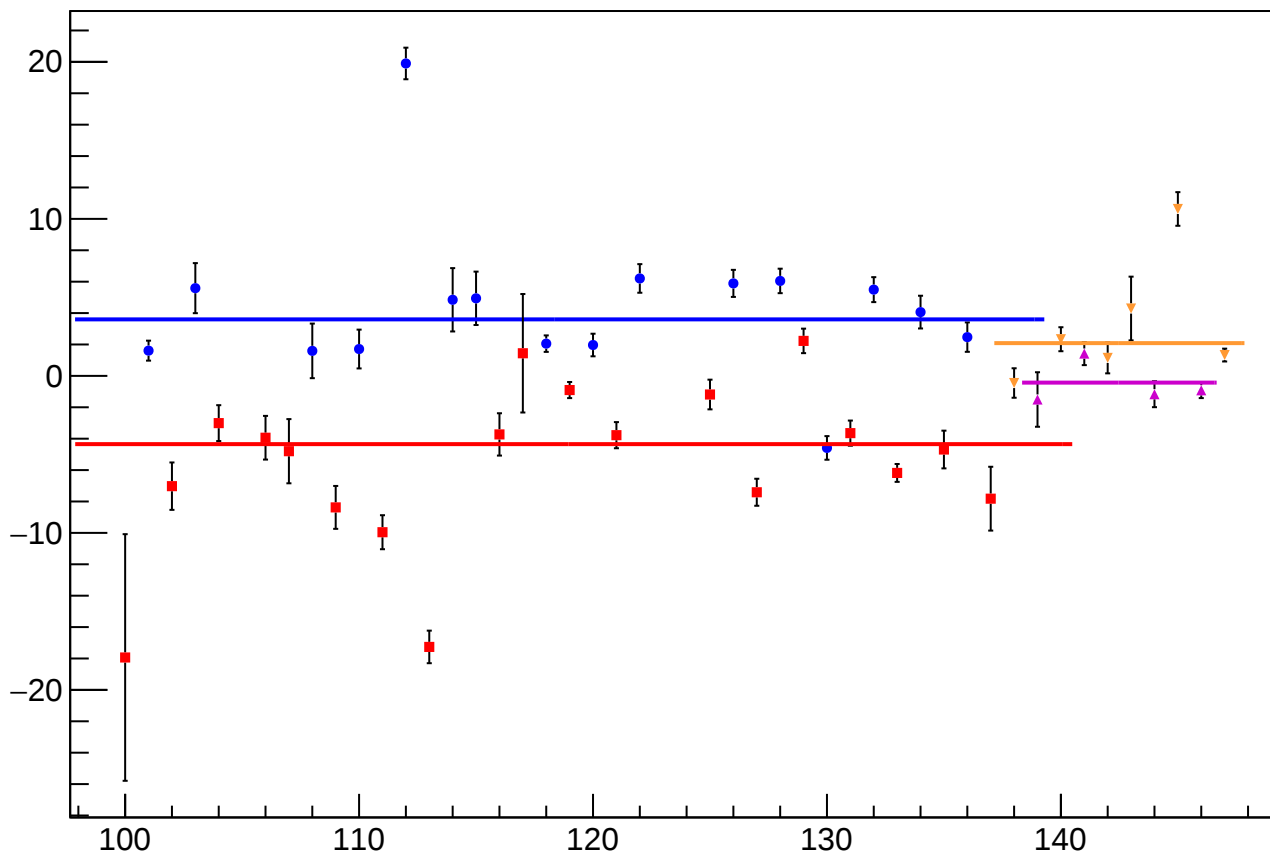
Left In: 43.592+/-0.493 χ^2/NDF : 203.5/3

-45.164+/-0.453 χ^2/NDF : 462.1/5

-4.499+/-0.334 χ^2/NDF : 18242.5/9

43.592+/-0.493 χ^2/NDF : 203.5/3

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 2.086 ± 0.302 χ^2/NDF : 76.6/5

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

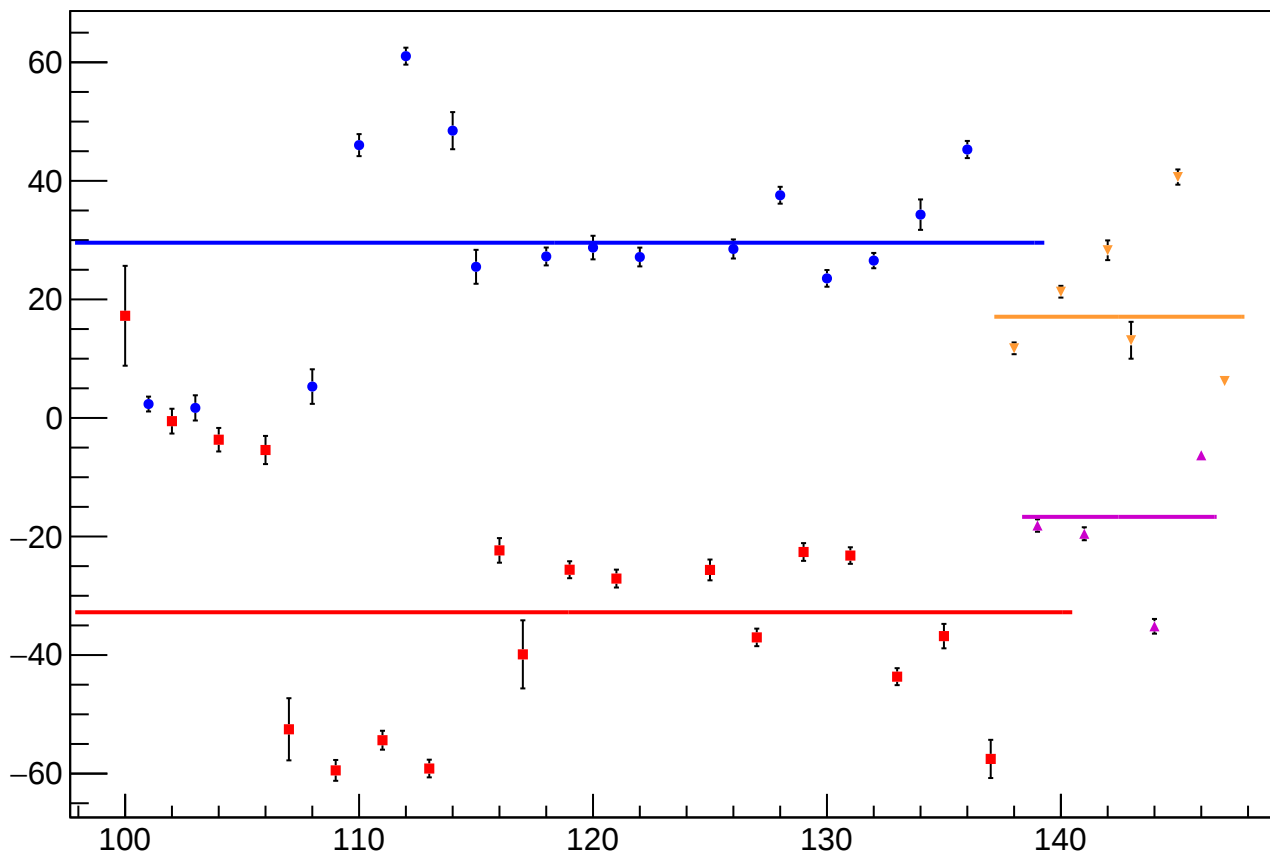
Left In: -0.429 ± 0.360 χ^2/NDF : 8.5/3

3.073 ± 0.178 χ^2/NDF : 536.4/21

0.125 ± 0.130 χ^2/NDF : 1574.2/44

-3.252 ± 0.191 χ^2/NDF : 449.1/22

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564+/-0.420 χ^2/NDF : 1494.6/15

Left Out: 17.078+/-0.464 χ^2/NDF : 611.3/5

Right Out: -32.780+/-0.422 χ^2/NDF : 1664.8/18

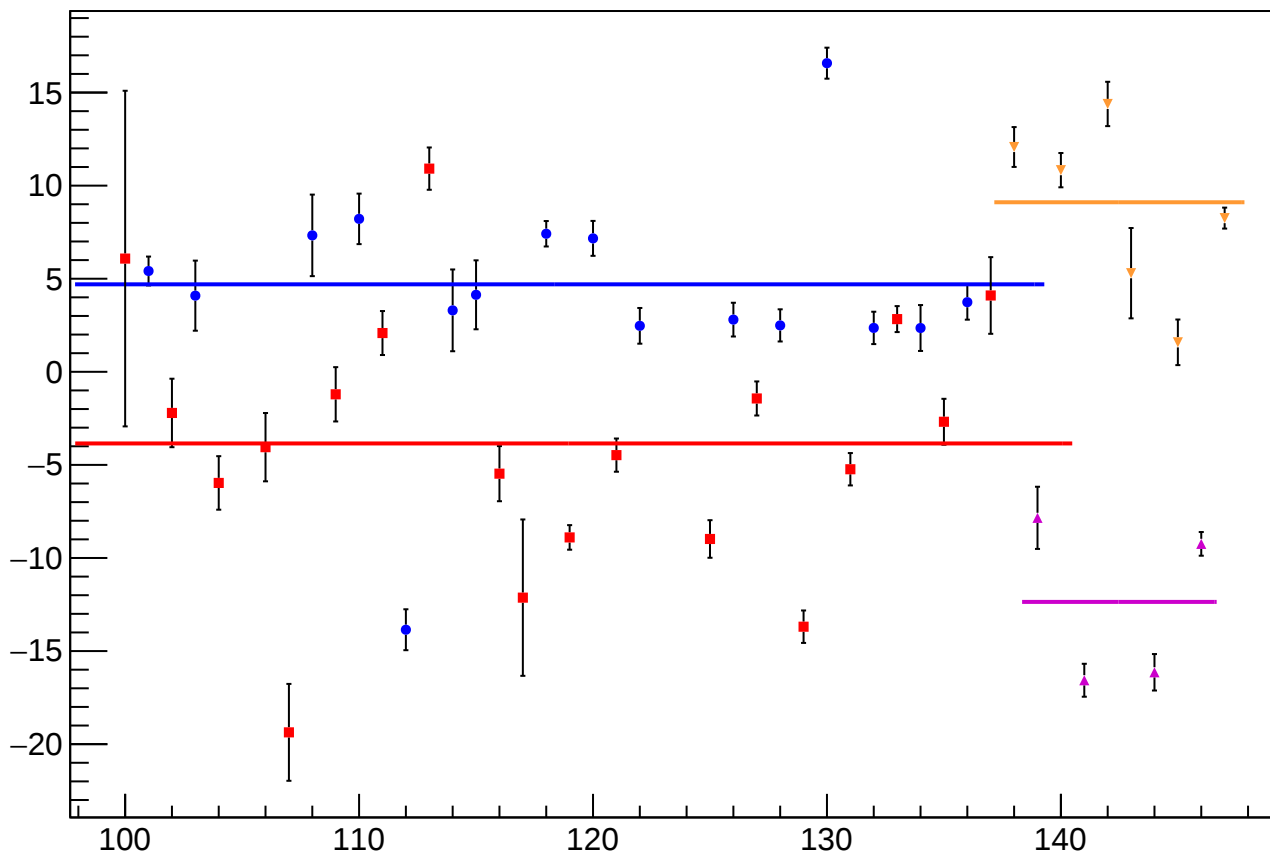
Left In: -16.684+/-0.507 χ^2/NDF : 392.9/3

23.950+/-0.311 χ^2/NDF : 2504.1/21

-0.104+/-0.225 χ^2/NDF : 17609.8/44

-26.203+/-0.324 χ^2/NDF : 2653.3/22

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.107 ± 0.385 $\chi^2/\text{NDF}: 73.3/5$

Right Out: -3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

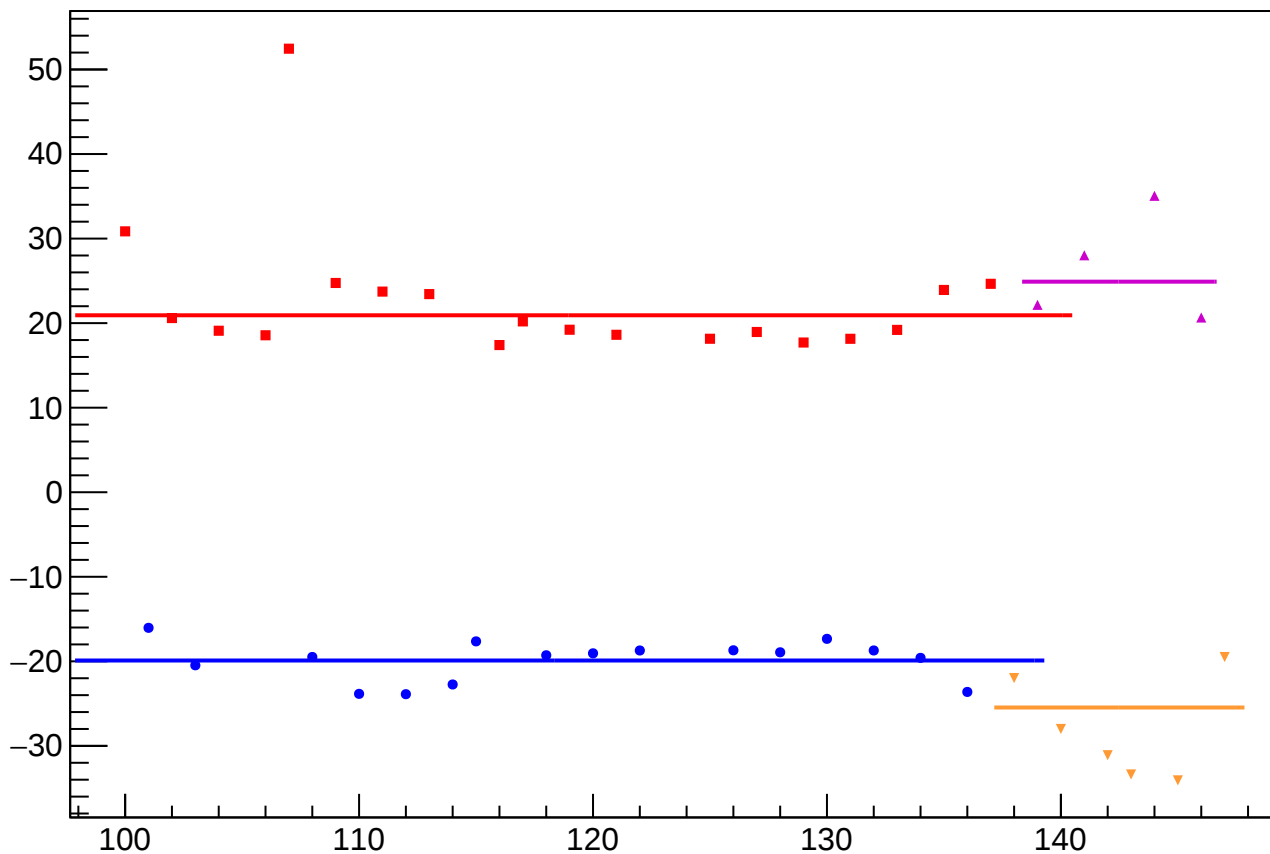
Left In: -12.359 ± 0.441 $\chi^2/\text{NDF}: 68.9/3$

6.036 ± 0.212 $\chi^2/\text{NDF}: 713.6/21$

0.301 ± 0.154 $\chi^2/\text{NDF}: 3169.6/44$

-6.020 ± 0.223 $\chi^2/\text{NDF}: 918.2/22$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -25.461 ± 0.020 χ^2/NDF : 76039.9/5

Right Out: 20.928 ± 0.016 χ^2/NDF : 94015.9/18

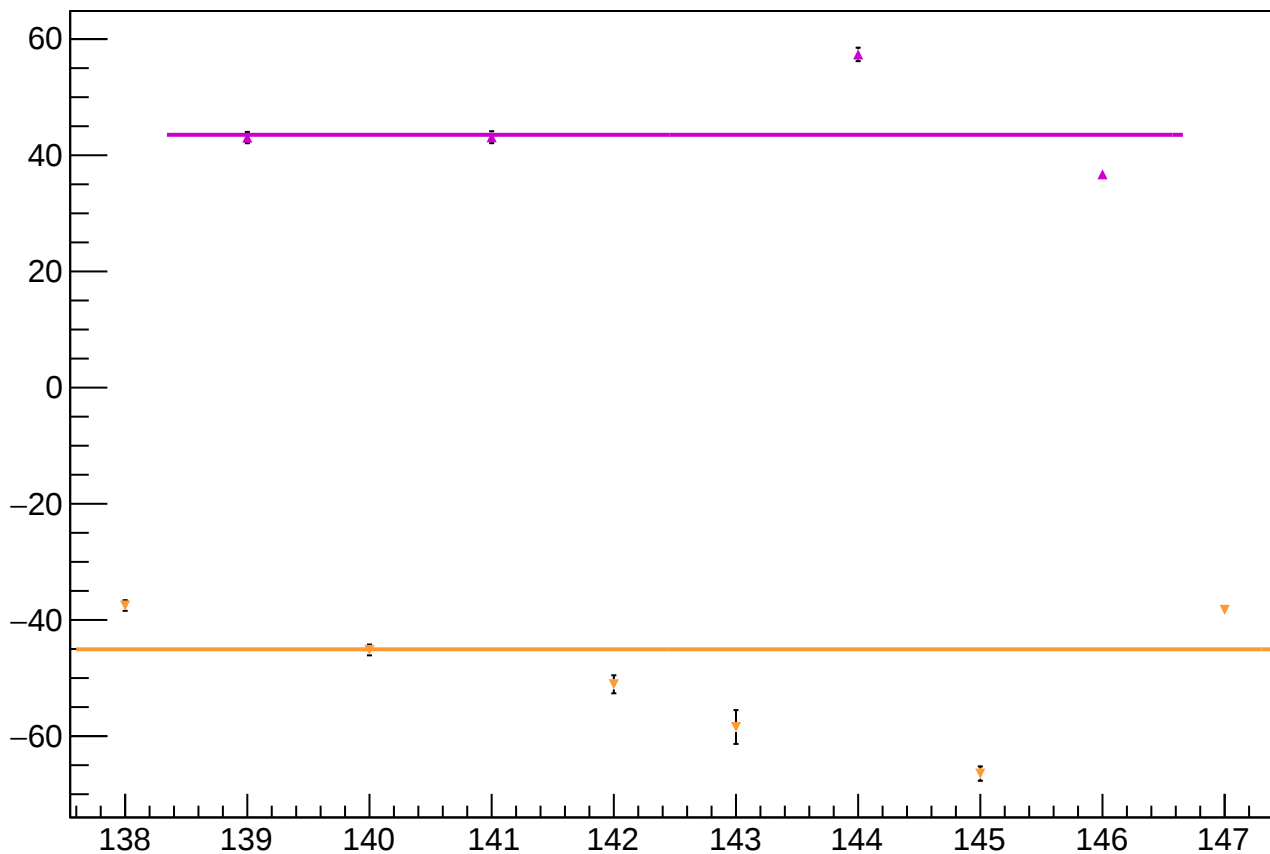
Left In: 24.904 ± 0.021 χ^2/NDF : 57997.5/3

-22.043 ± 0.012 χ^2/NDF : 150692.3/21

-0.336 ± 0.009 χ^2/NDF : 6728126.4/44

22.362 ± 0.013 χ^2/NDF : 175164.5/22

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -45.053+/-0.453 χ^2/NDF : 464.3/5

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

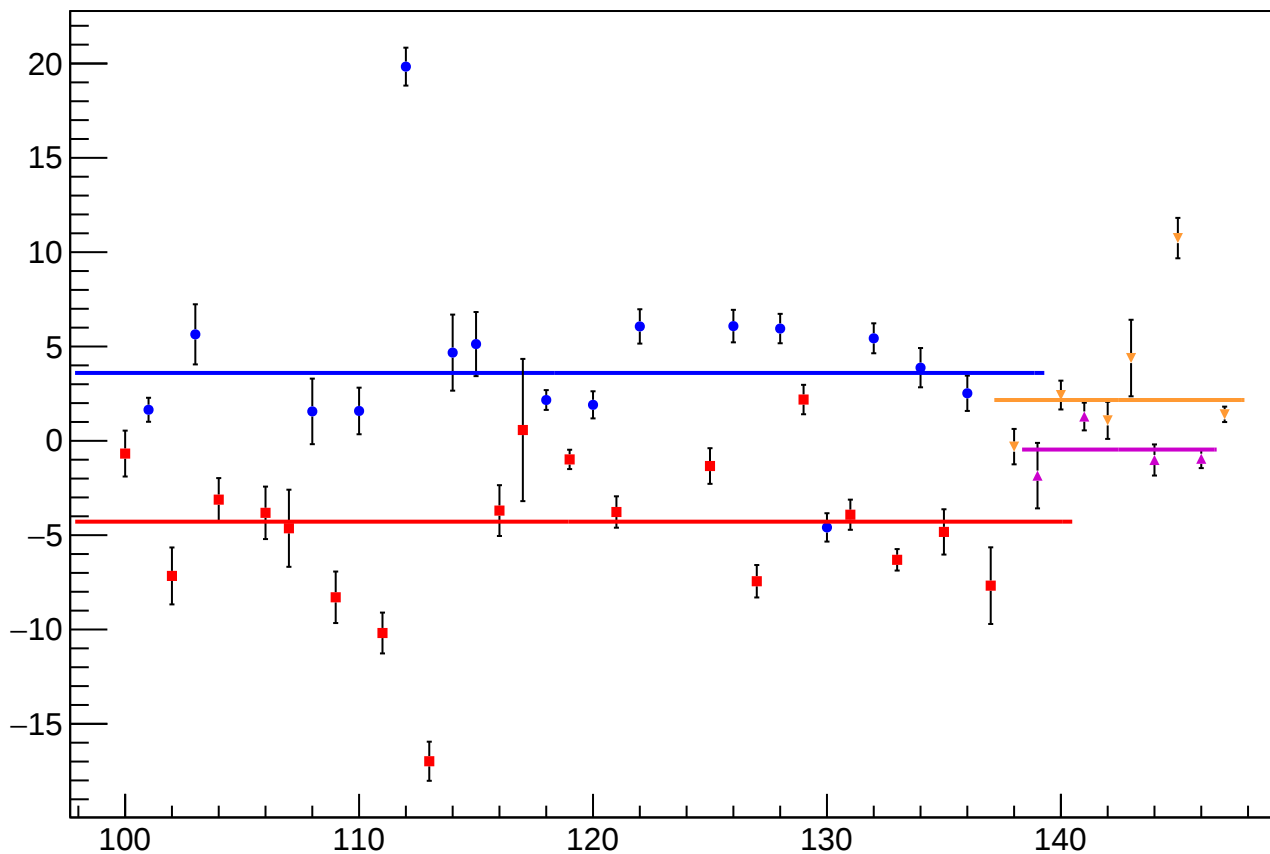
Left In: 43.524+/-0.492 χ^2/NDF : 206.6/3

-45.053+/-0.453 χ^2/NDF : 464.3/5

-4.466+/-0.333 χ^2/NDF : 18198.0/9

43.524+/-0.492 χ^2/NDF : 206.6/3

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 2.165 ± 0.302 χ^2/NDF : 77.2/5

Right Out: -4.284 ± 0.221 χ^2/NDF : 353.8/18

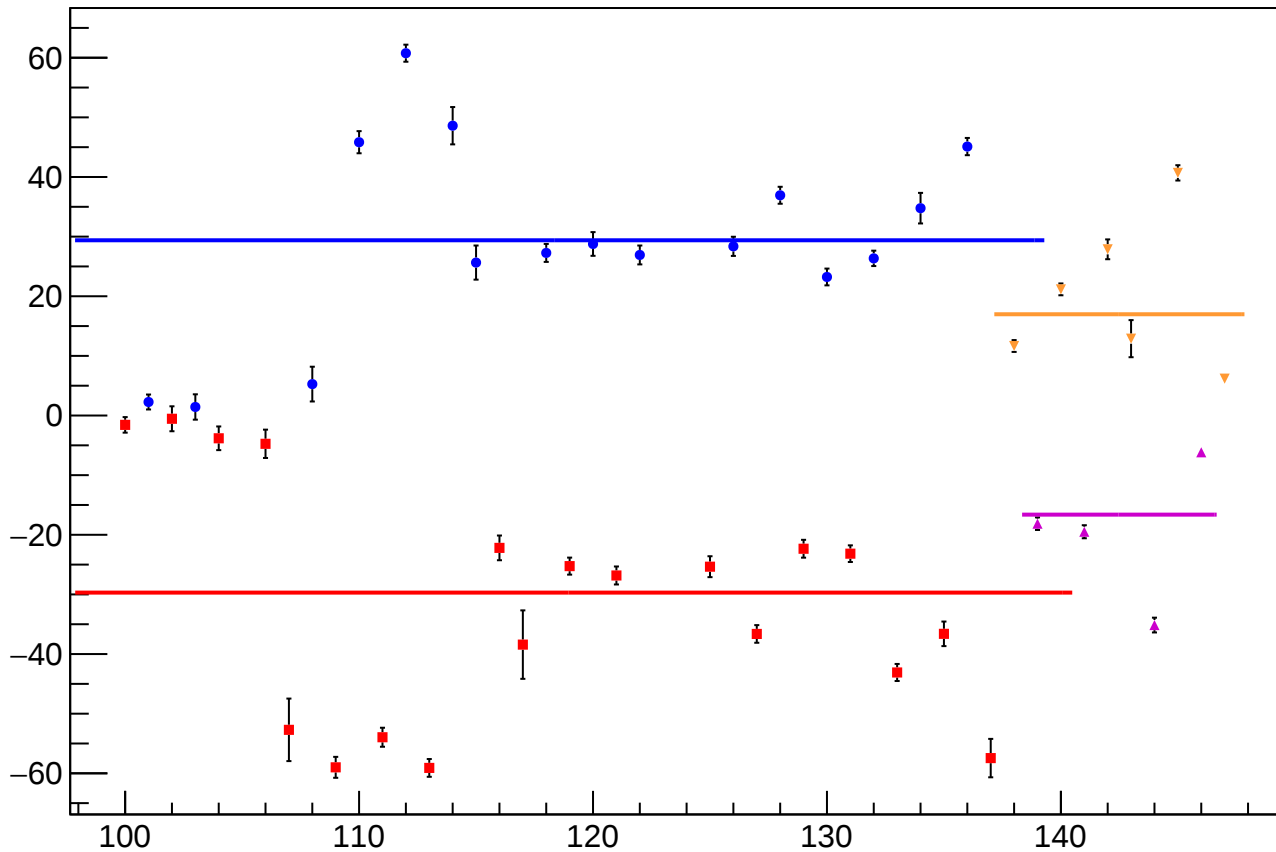
Left In: -0.462 ± 0.360 χ^2/NDF : 7.7/3

3.101 ± 0.178 χ^2/NDF : 532.2/21

0.108 ± 0.129 χ^2/NDF : 1575.7/44

-3.242 ± 0.188 χ^2/NDF : 443.4/22

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387+/-0.419 χ^2/NDF : 1488.6/15

Left Out: 16.982+/-0.464 χ^2/NDF : 611.7/5

Right Out: -29.695+/-0.401 χ^2/NDF : 2133.3/18

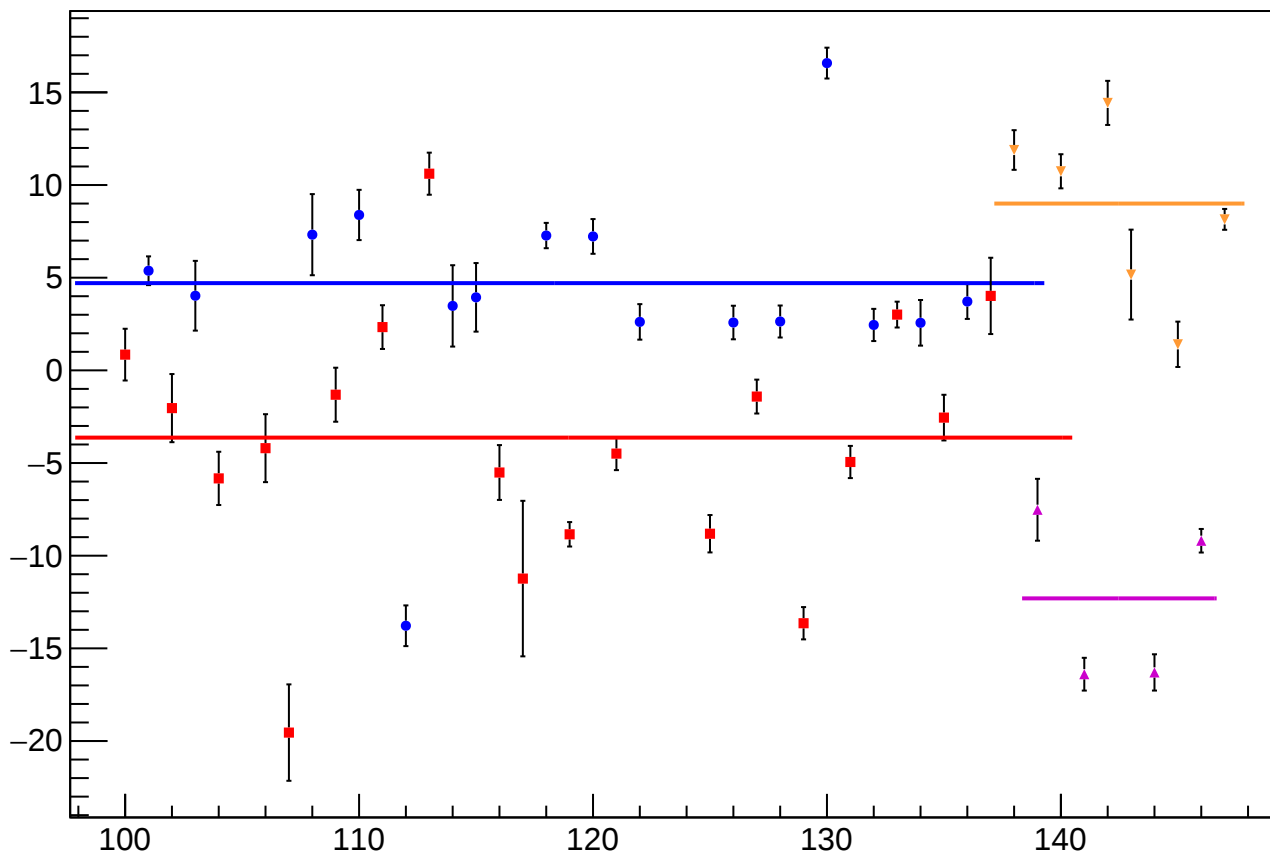
Left In: -16.621+/-0.507 χ^2/NDF : 397.0/3

23.811+/-0.311 χ^2/NDF : 2493.9/21

-0.144+/-0.221 χ^2/NDF : 17432.1/44

-24.656+/-0.315 χ^2/NDF : 2939.3/22

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 8.999 ± 0.385 $\chi^2/\text{NDF}: 75.0/5$

Right Out: -3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

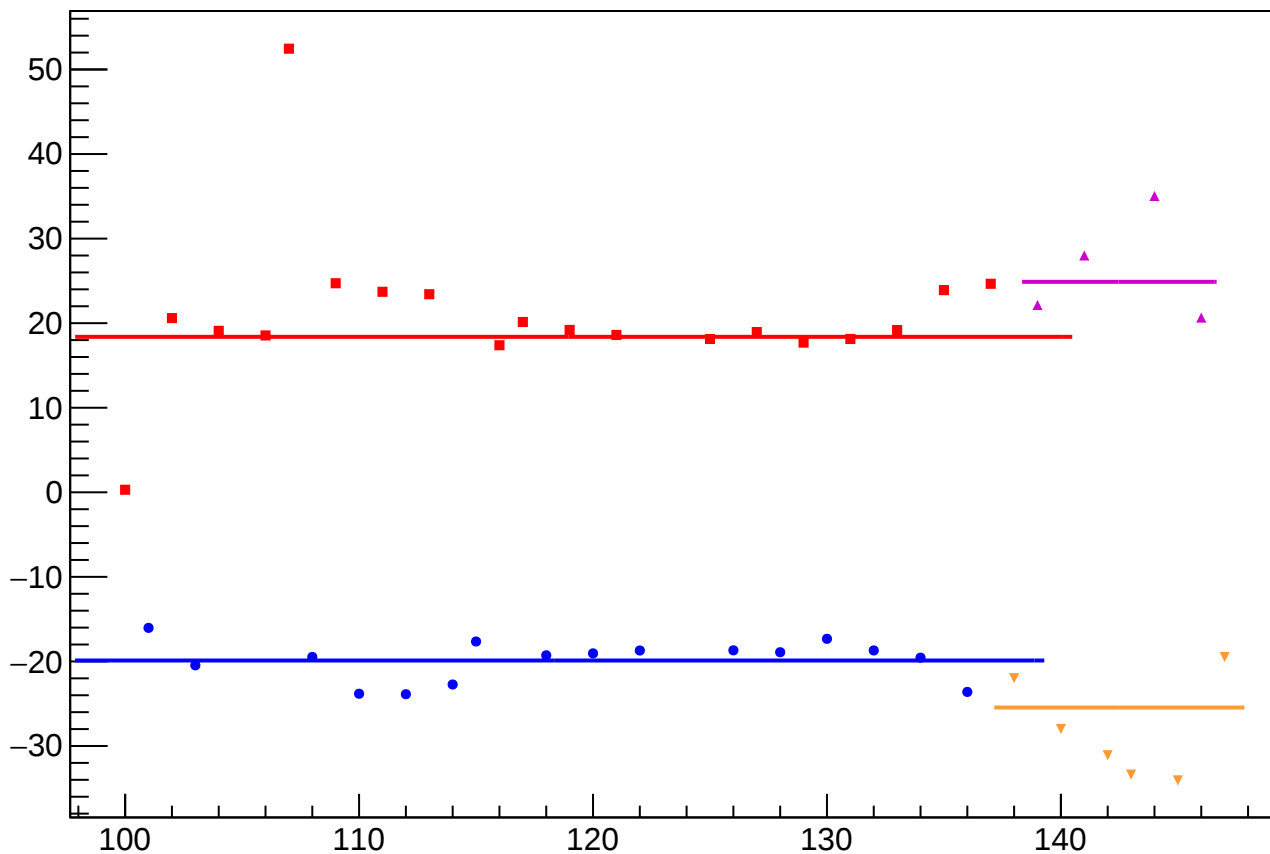
Left In: -12.304 ± 0.440 $\chi^2/\text{NDF}: 70.2/3$

6.008 ± 0.212 $\chi^2/\text{NDF}: 706.9/21$

0.325 ± 0.153 $\chi^2/\text{NDF}: 3138.6/44$

-5.789 ± 0.220 $\chi^2/\text{NDF}: 938.3/22$

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -25.452 ± 0.020 $\chi^2/\text{NDF}: 76083.6/5$

Right Out: 18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

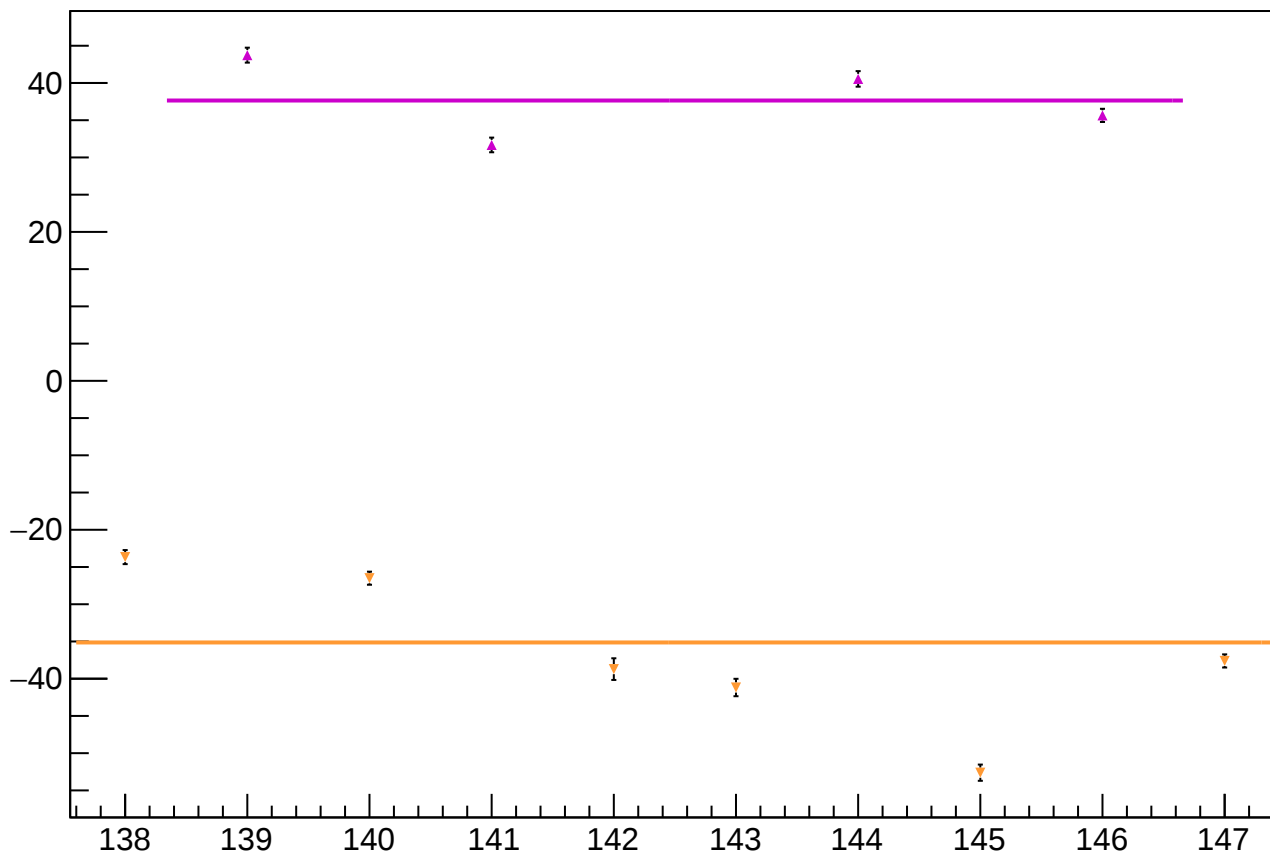
Left In: 24.891 ± 0.021 $\chi^2/\text{NDF}: 57953.1/3$

-22.032 ± 0.012 $\chi^2/\text{NDF}: 150845.9/21$

-0.341 ± 0.009 $\chi^2/\text{NDF}: 6716641.2/44$

20.546 ± 0.012 $\chi^2/\text{NDF}: 423819.7/22$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.133+/-0.417 χ^2/NDF : 542.4/5

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

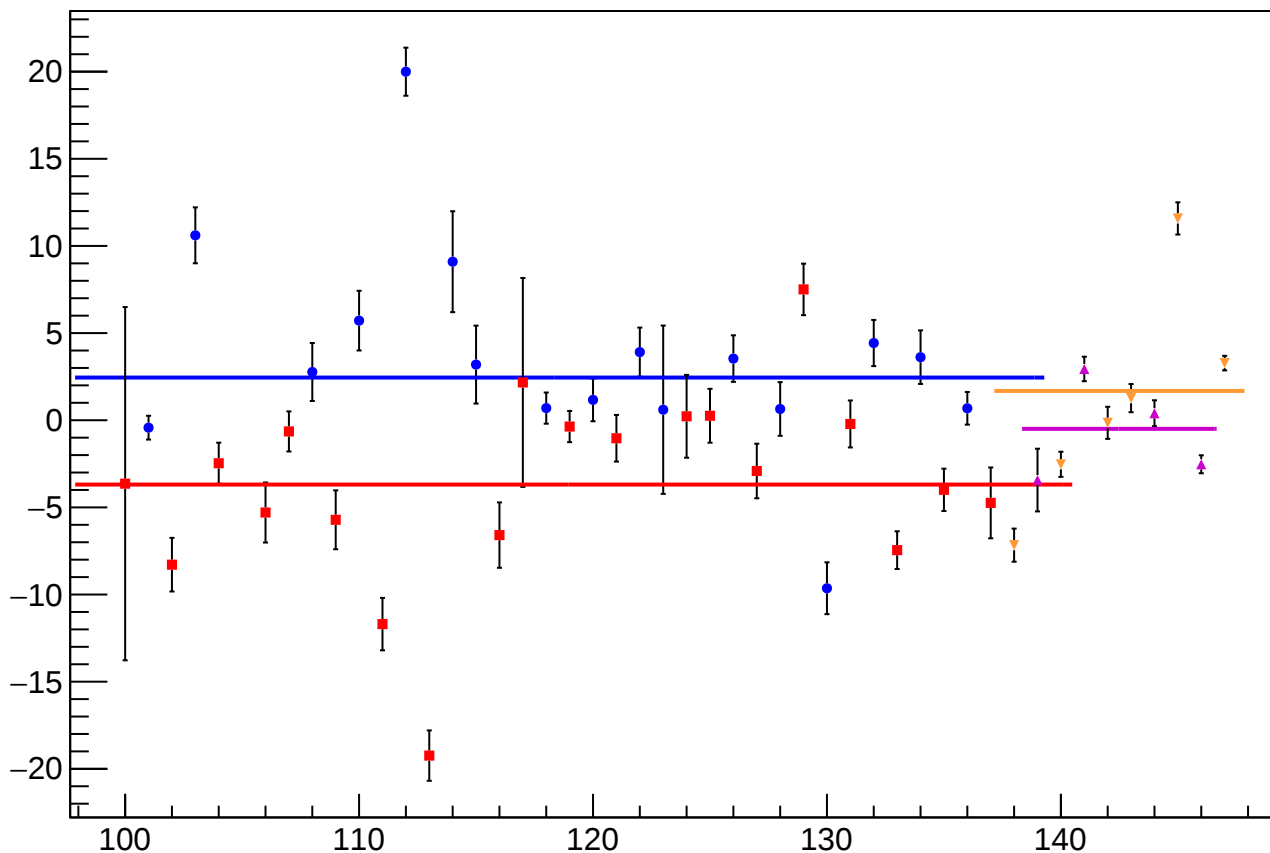
Left In: 37.645+/-0.487 χ^2/NDF : 86.3/3

-35.133+/-0.417 χ^2/NDF : 542.4/5

-4.343+/-0.317 χ^2/NDF : 13507.0/9

37.645+/-0.487 χ^2/NDF : 86.3/3

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 1.682 ± 0.281 χ^2/NDF : 254.2/5

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

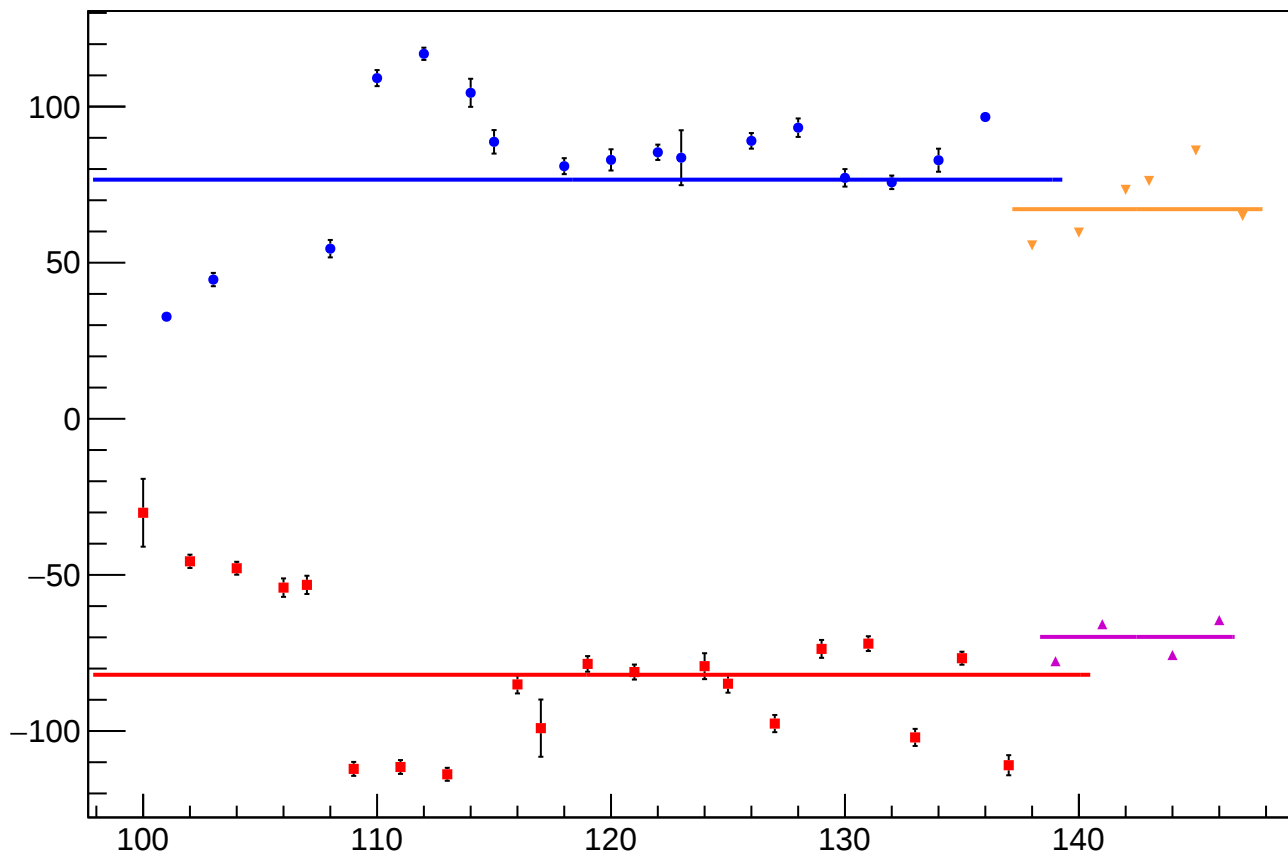
Left In: -0.494 ± 0.356 χ^2/NDF : 43.5/3

2.023 ± 0.210 χ^2/NDF : 552.8/22

0.183 ± 0.158 χ^2/NDF : 1088.6/46

-2.232 ± 0.240 χ^2/NDF : 357.8/23

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 ± 0.576 χ^2/NDF : 2255.1/16

Left Out: 67.147 ± 0.430 χ^2/NDF : 541.0/5

Right Out: -81.987 ± 0.591 χ^2/NDF : 1574.2/19

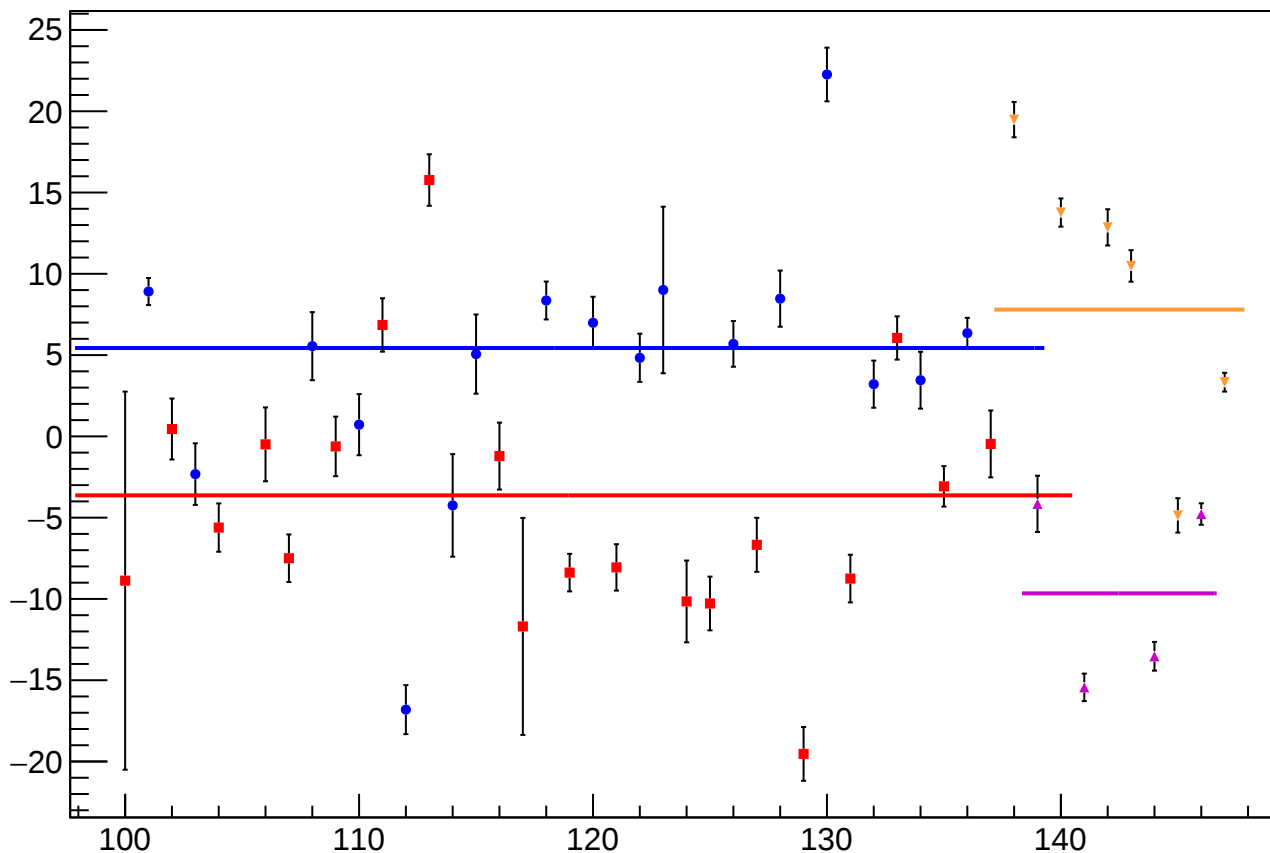
Left In: -69.856 ± 0.503 χ^2/NDF : 133.6/3

70.534 ± 0.345 χ^2/NDF : 2968.9/22

5.389 ± 0.256 χ^2/NDF : 84623.4/46

-74.953 ± 0.383 χ^2/NDF : 1952.3/23

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 7.798 ± 0.355 $\chi^2/\text{NDF}: 393.8/5$

Right Out: -3.628 ± 0.374 $\chi^2/\text{NDF}: 424.8/19$

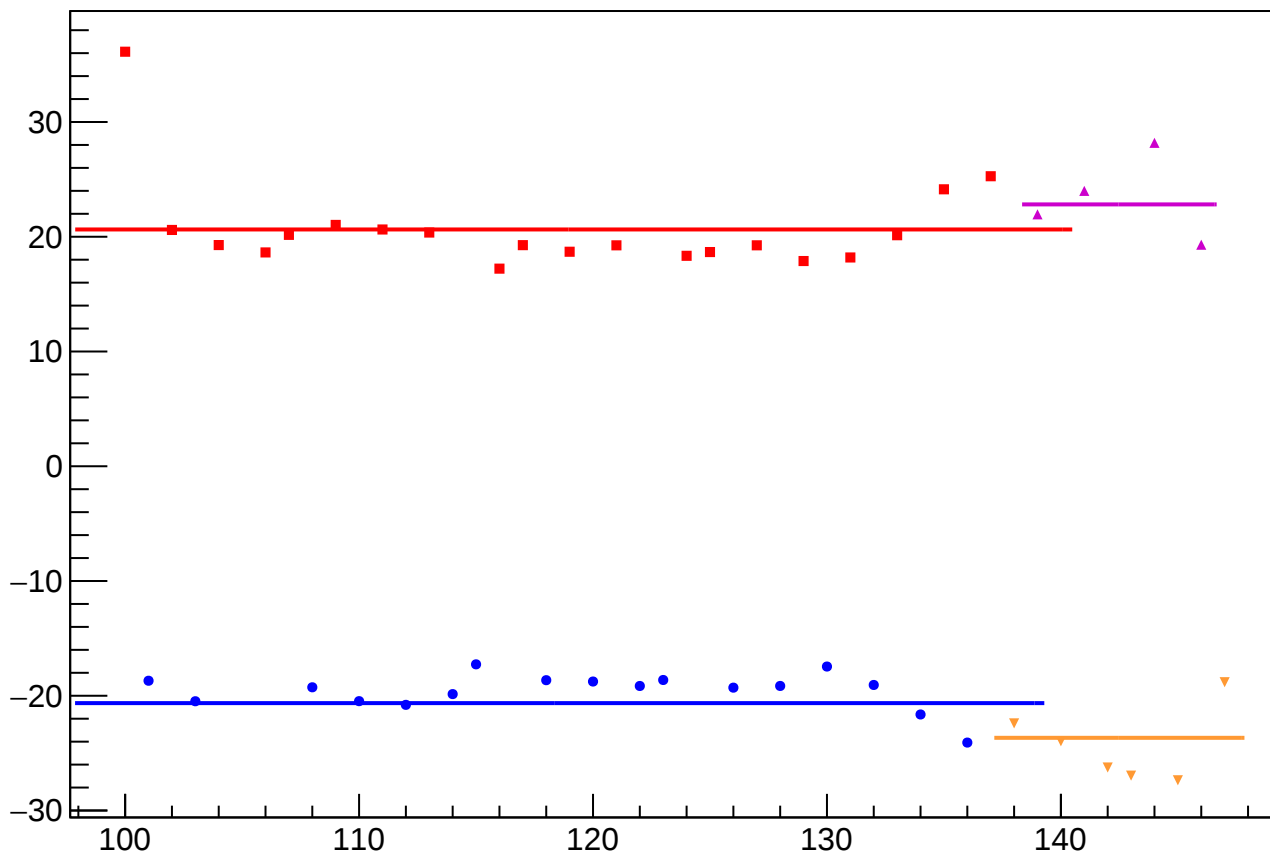
Left In: -9.657 ± 0.434 $\chi^2/\text{NDF}: 130.8/3$

6.635 ± 0.253 $\chi^2/\text{NDF}: 802.8/22$

0.945 ± 0.189 $\chi^2/\text{NDF}: 2611.0/46$

-6.202 ± 0.283 $\chi^2/\text{NDF}: 666.3/23$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -23.665 ± 0.018 χ^2/NDF : 29435.9/5

Right Out: 20.635 ± 0.019 χ^2/NDF : 13794.0/19

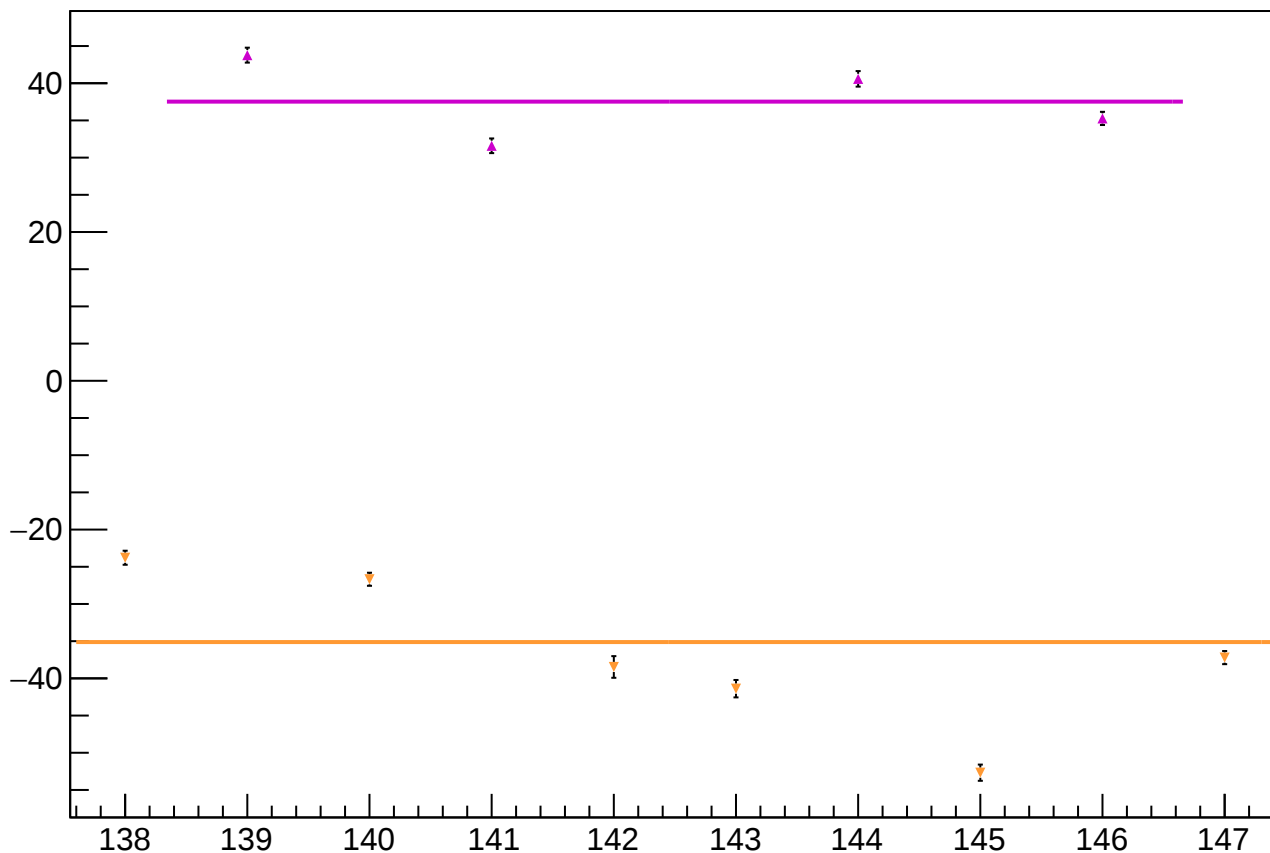
Left In: 22.819 ± 0.021 χ^2/NDF : 21451.9/3

-22.246 ± 0.013 χ^2/NDF : 54841.1/22

-1.803 ± 0.010 χ^2/NDF : 5209786.9/46

21.654 ± 0.014 χ^2/NDF : 41140.4/23

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.120+/-0.417 χ^2/NDF : 535.3/5

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

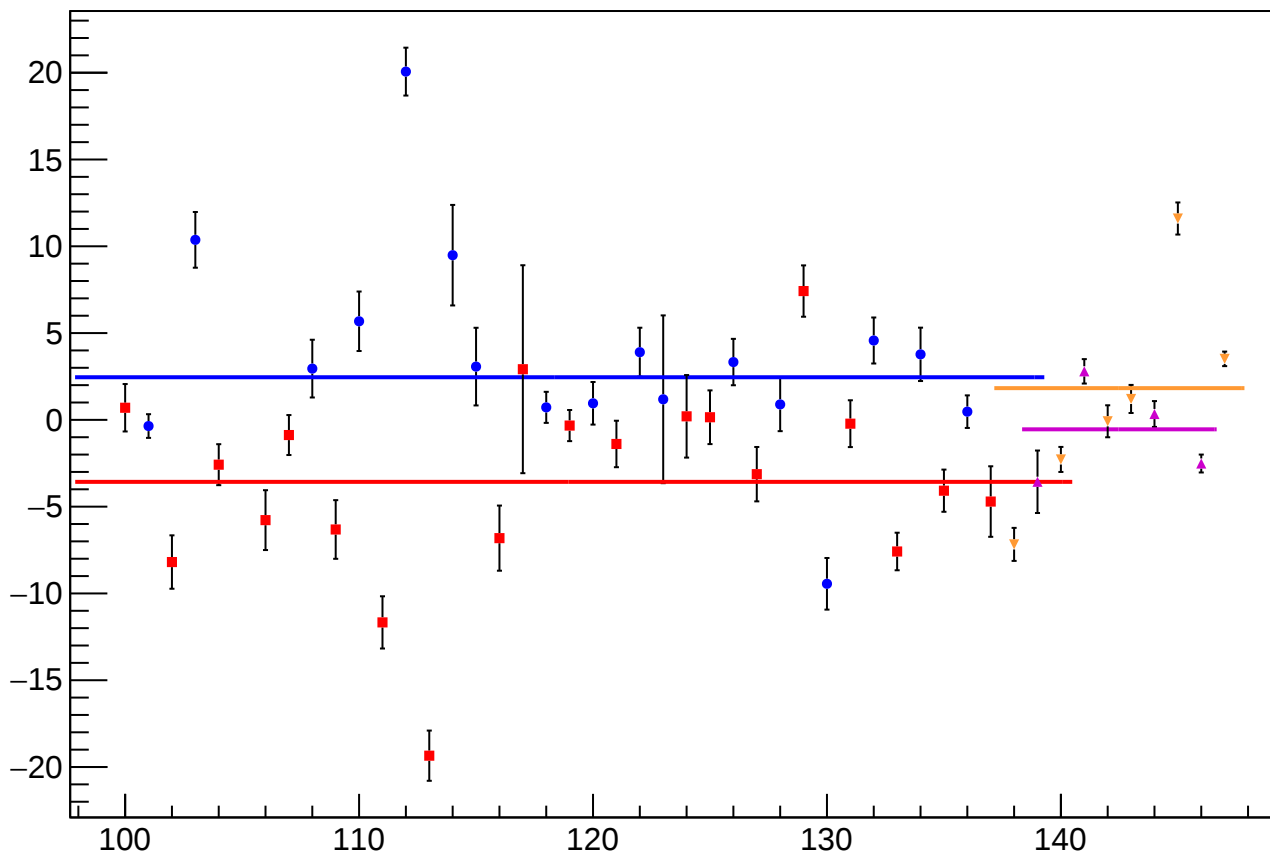
Left In: 37.527+/-0.487 χ^2/NDF : 90.0/3

-35.120+/-0.417 χ^2/NDF : 535.3/5

-4.391+/-0.317 χ^2/NDF : 13439.8/9

37.527+/-0.487 χ^2/NDF : 90.0/3

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 1.828 ± 0.282 χ^2/NDF : 254.8/5

Right Out: -3.571 ± 0.317 χ^2/NDF : 281.0/19

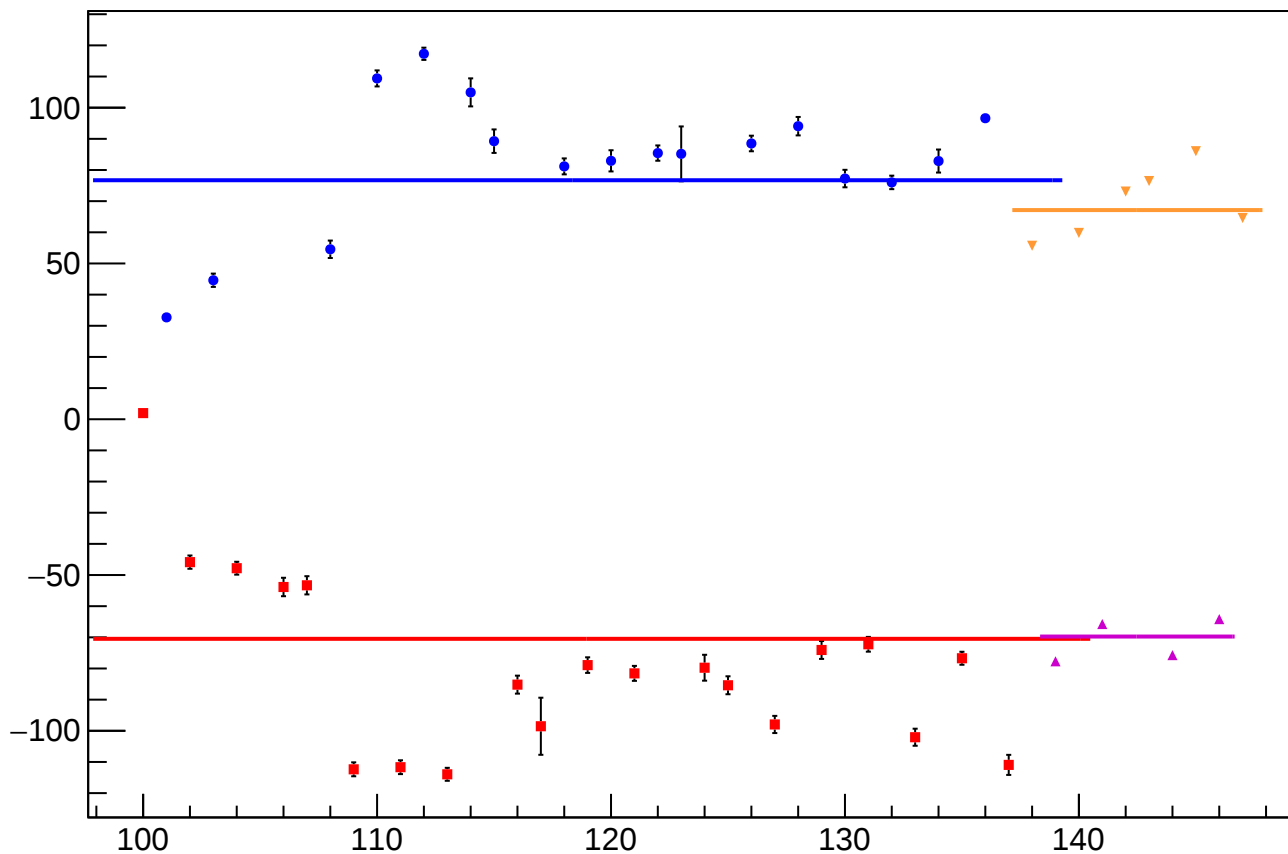
Left In: -0.545 ± 0.356 χ^2/NDF : 41.4/3

2.107 ± 0.210 χ^2/NDF : 550.5/22

0.199 ± 0.157 χ^2/NDF : 1101.2/46

-2.232 ± 0.237 χ^2/NDF : 362.6/23

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2/NDF : 2266.6/16

Left Out: 67.137 $\pm$ 0.431 χ^2/NDF : 541.5/5

Right Out: -70.477 $\pm$ 0.549 χ^2/NDF : 4400.1/19

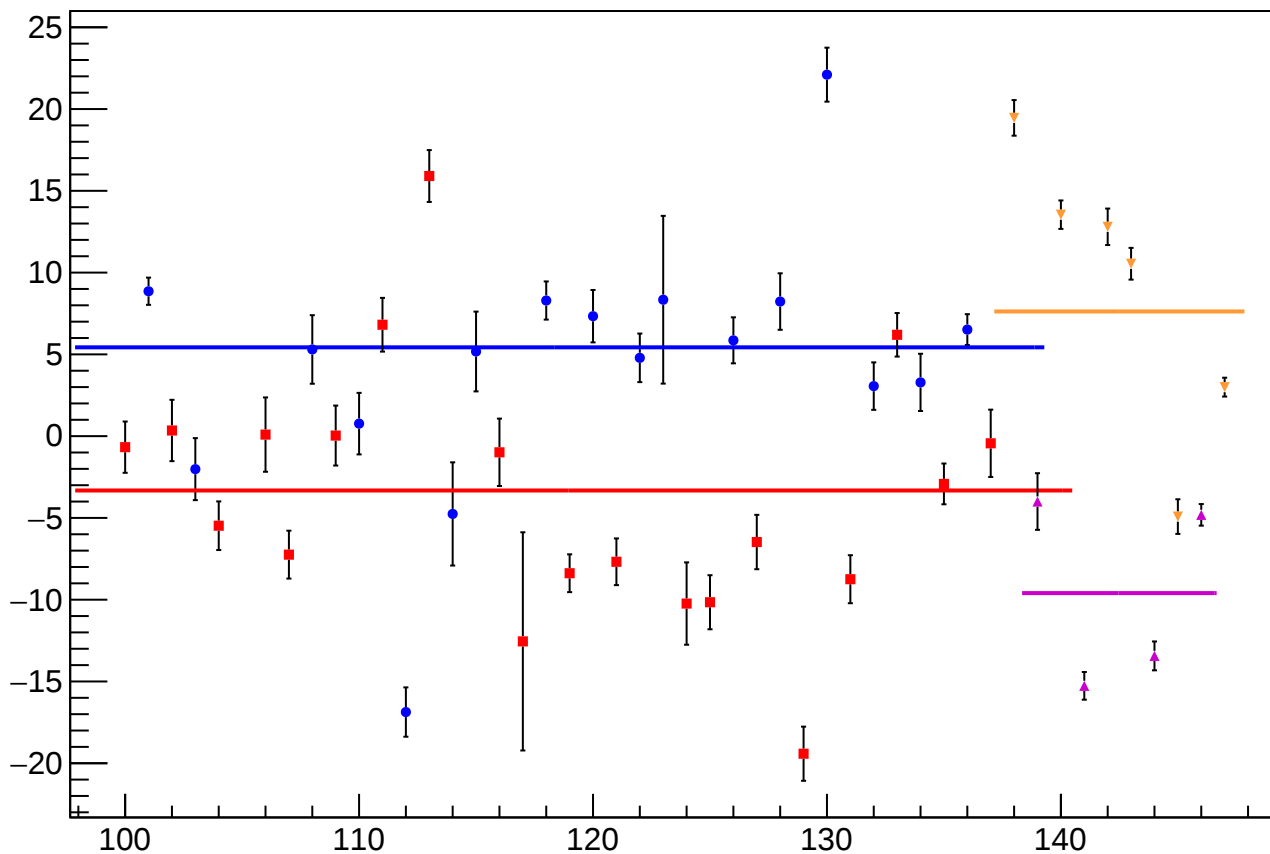
Left In: -69.744 $\pm$ 0.503 χ^2/NDF : 140.0/3

70.569 $\pm$ 0.345 χ^2/NDF : 2985.2/22

5.329 $\pm$ 0.253 χ^2/NDF : 84603.7/46

-70.079 $\pm$ 0.371 χ^2/NDF : 4541.0/23

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 $\pm$ 0.361 χ^2/NDF : 385.9/16

Left Out: 7.624 $\pm$ 0.355 χ^2/NDF : 399.6/5

Right Out: -3.323 $\pm$ 0.365 χ^2/NDF : 428.0/19

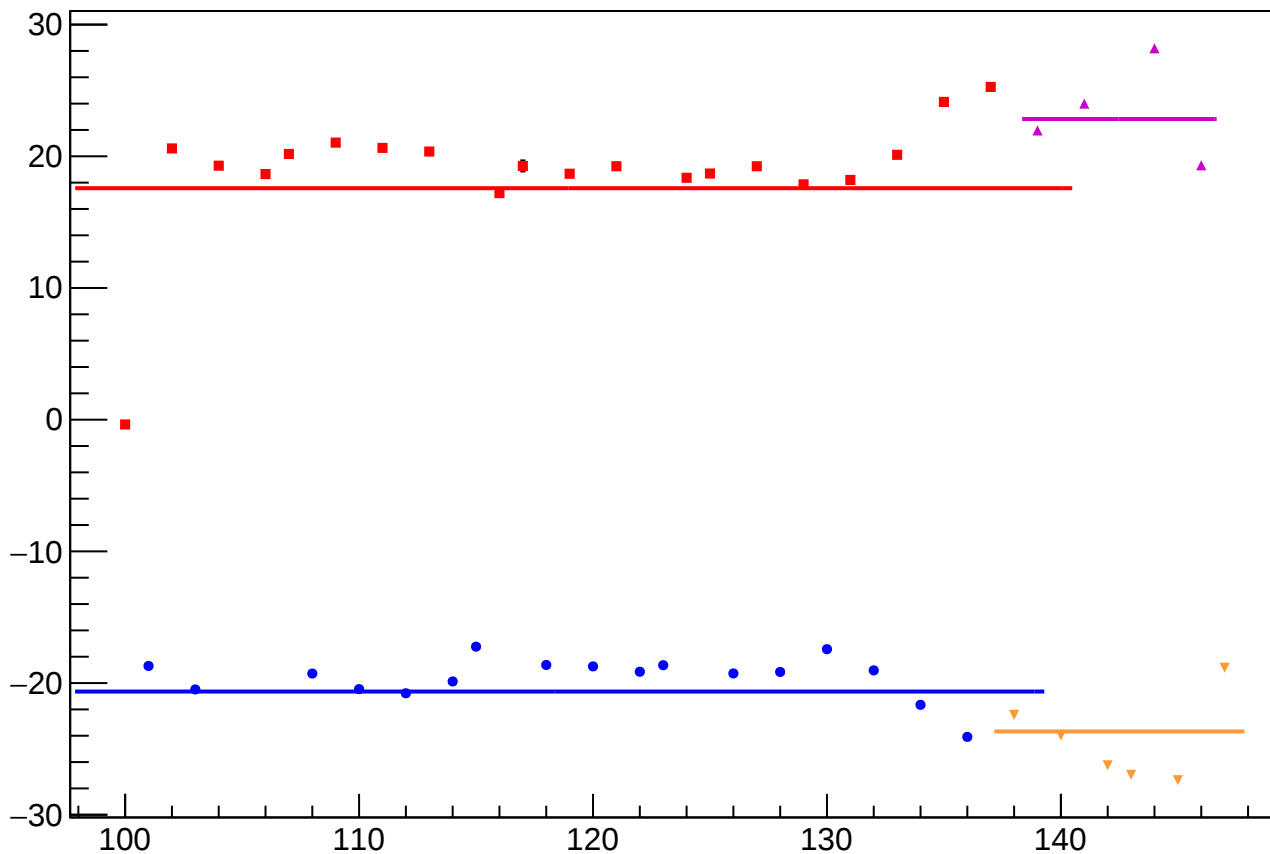
Left In: -9.596 $\pm$ 0.434 χ^2/NDF : 126.8/3

6.543 $\pm$ 0.253 χ^2/NDF : 804.3/22

0.924 $\pm$ 0.187 χ^2/NDF : 2575.2/46

-5.917 $\pm$ 0.279 χ^2/NDF : 677.2/23

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643+/-0.019 χ^2/NDF : 12468.6/16

Left Out: -23.675+/-0.018 χ^2/NDF : 29342.2/5

Right Out: 17.577+/-0.018 χ^2/NDF : 178343.3/19

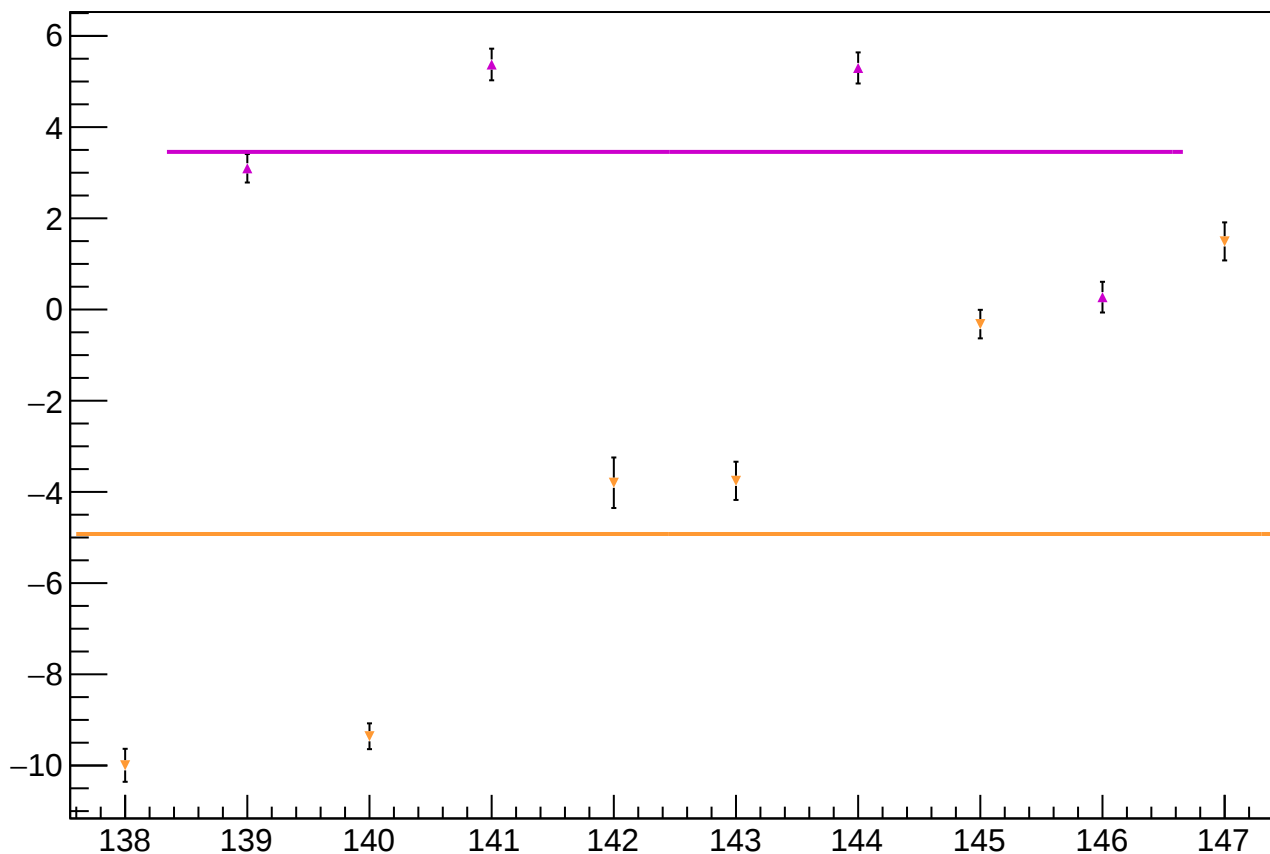
Left In: 22.830+/-0.021 χ^2/NDF : 21421.3/3

-22.252+/-0.013 χ^2/NDF : 54841.5/22

-1.774+/-0.009 χ^2/NDF : 5195827.6/46

19.831+/-0.014 χ^2/NDF : 236225.5/23

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -4.923+/-0.149 χ^2/NDF : 907.1/5

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

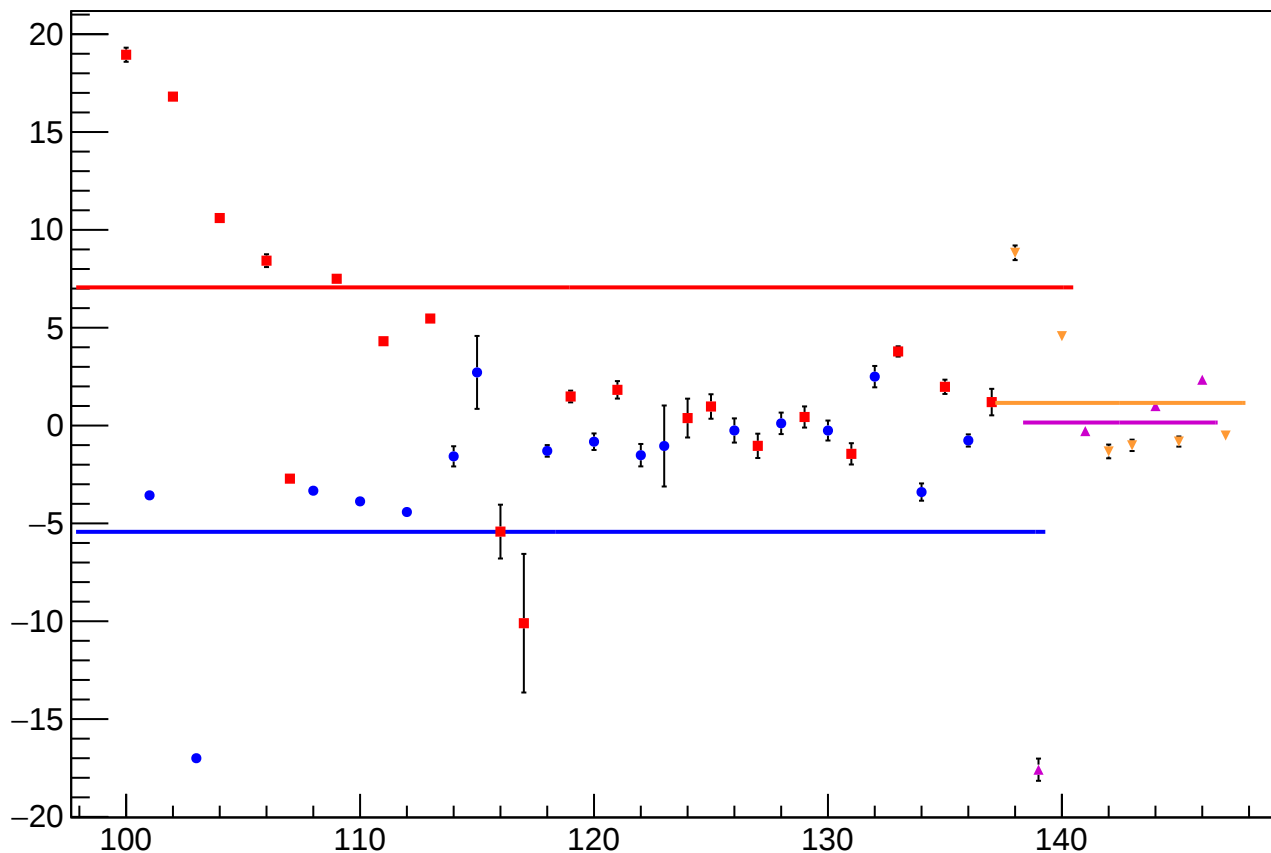
Left In: 3.457+/-0.167 χ^2/NDF : 150.5/3

-4.923+/-0.149 χ^2/NDF : 907.1/5

-1.202+/-0.111 χ^2/NDF : 2462.1/9

3.457+/-0.167 χ^2/NDF : 150.5/3

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 $\pm$ 0.055 χ^2 /NDF: 9233.8/16

Left Out: 1.158 $\pm$ 0.109 χ^2 /NDF:862.7/5

Right Out: 7.061 $\pm$ 0.059 χ^2 /NDF: 12330.1/19

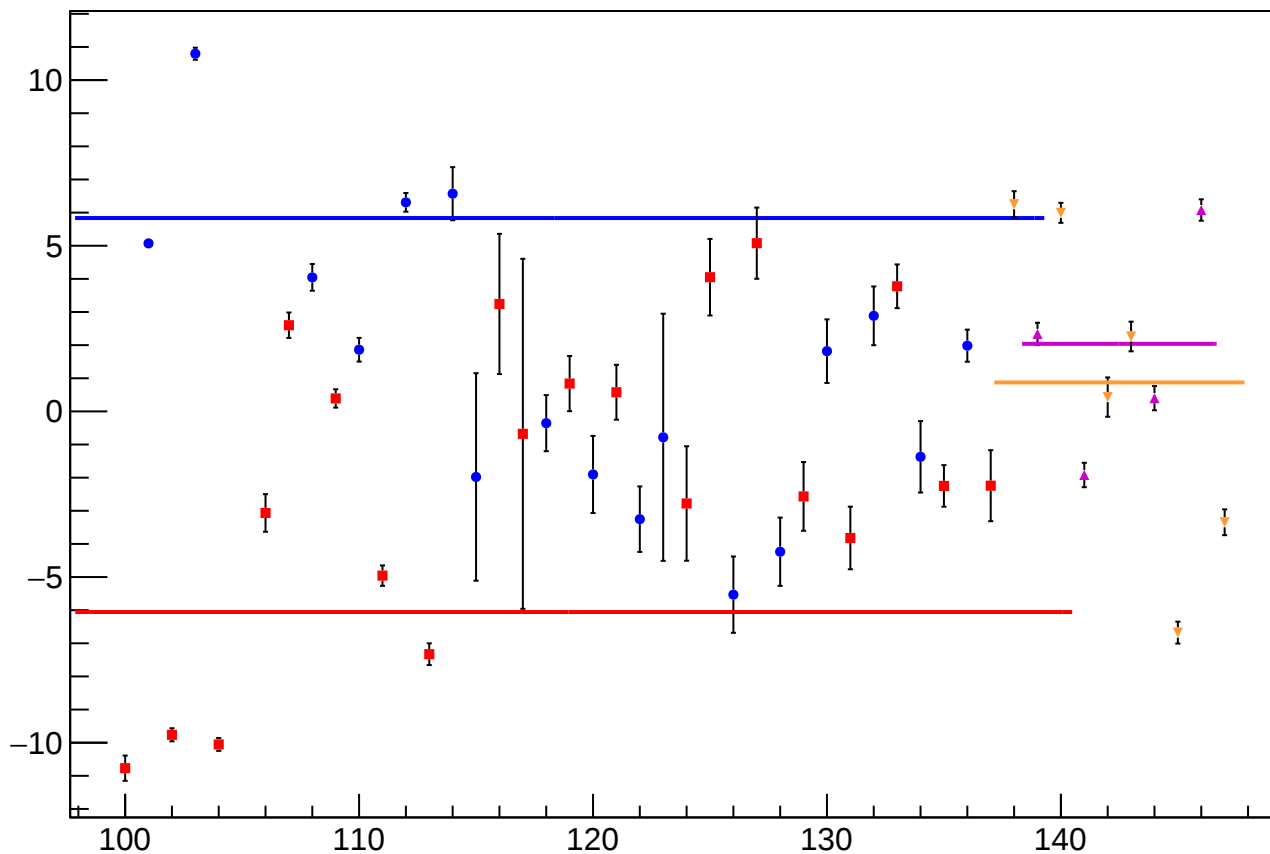
Left In: 0.154 $\pm$ 0.131 χ^2 /NDF:1097.4/3

-4.091 $\pm$ 0.049 χ^2 /NDF: 13028.3/22

0.433 $\pm$ 0.036 χ^2 /NDF: 47607.8/46

5.901 $\pm$ 0.054 χ^2 /NDF: 15728.3/23

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 0.874 $\pm$ 0.156 χ^2 /NDF: 1125.7/5

Right Out: -6.056 $\pm$ 0.093 χ^2 /NDF: 2669.9/19

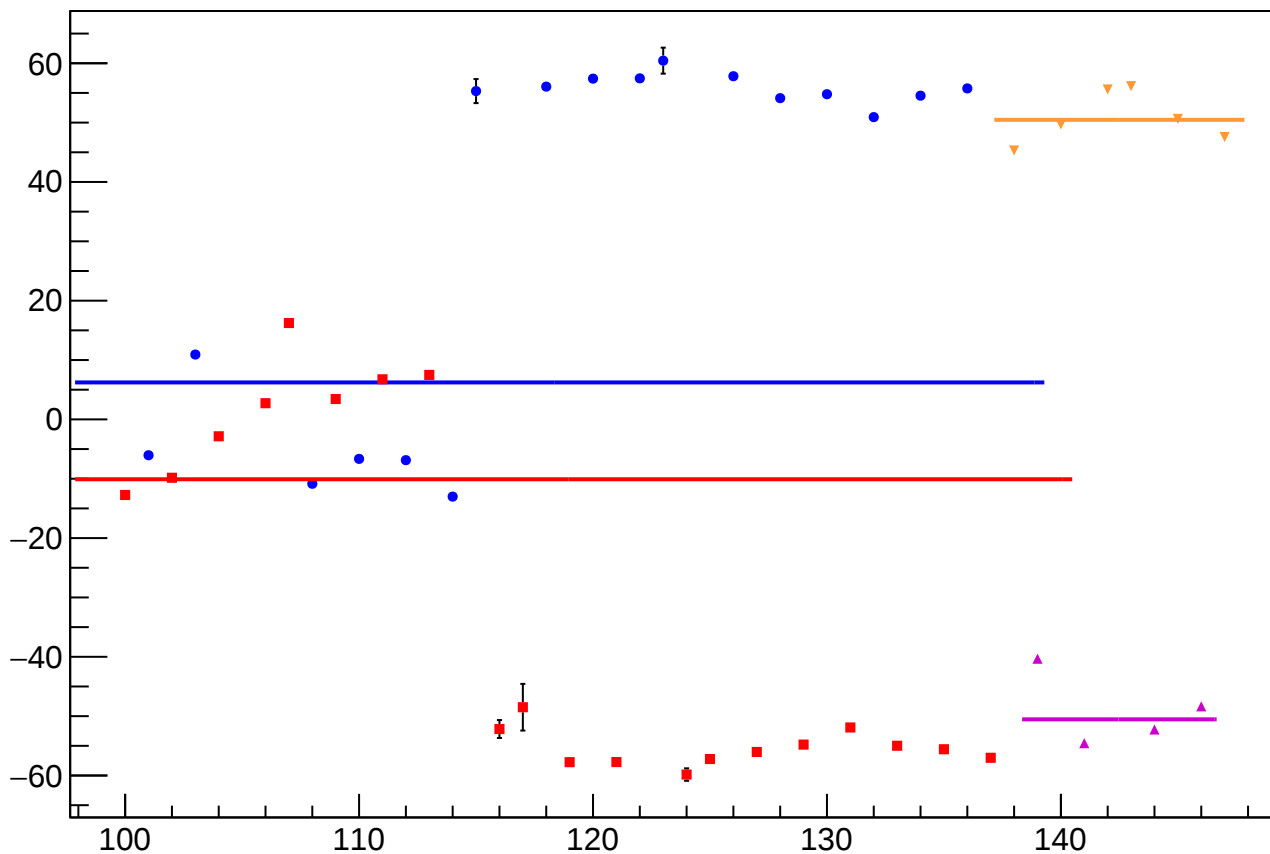
Left In: 2.039 $\pm$ 0.174 χ^2 /NDF: 292.6/3

4.605 $\pm$ 0.078 χ^2 /NDF: 3326.8/22

0.428 $\pm$ 0.056 χ^2 /NDF: 14090.1/46

-4.240 $\pm$ 0.082 χ^2 /NDF: 4650.5/23

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 50.469+/-0.133 χ^2/NDF : 677.1/5

Right Out: -10.087+/-0.070 χ^2/NDF : 122144.7/19

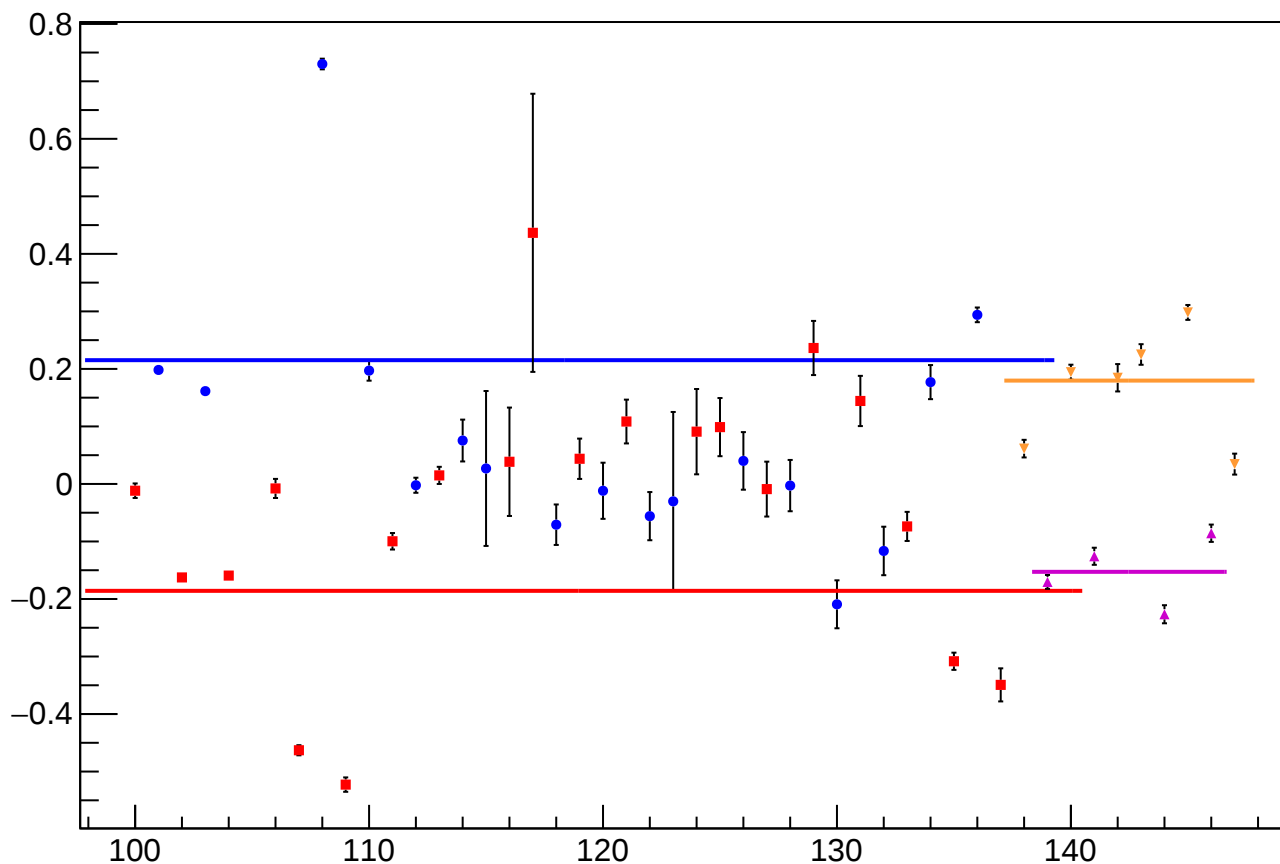
Left In: -50.537+/-0.157 χ^2/NDF : 633.4/3

14.702+/-0.058 χ^2/NDF : 210851.7/22

0.350+/-0.043 χ^2/NDF : 522351.0/46

-16.785+/-0.064 χ^2/NDF : 178502.9/23

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.180 ± 0.006 χ^2/NDF : 214.5/5

Right Out: -0.186 ± 0.003 χ^2/NDF : 2724.7/19

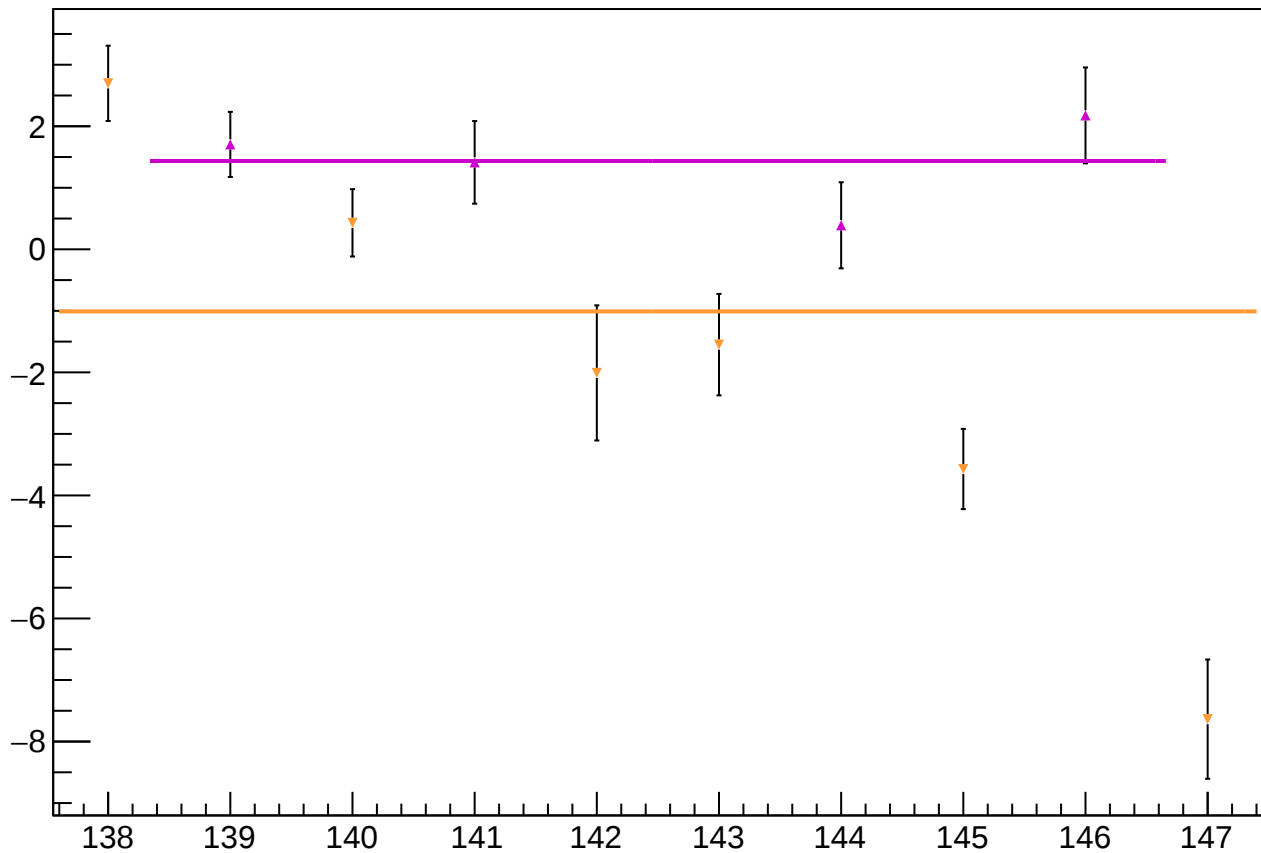
Left In: -0.153 ± 0.007 χ^2/NDF : 47.3/3

0.210 ± 0.003 χ^2/NDF : 4166.0/22

0.012 ± 0.002 χ^2/NDF : 18927.9/46

-0.182 ± 0.003 χ^2/NDF : 2791.0/23

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.010+/-0.292 χ^2/NDF : 107.0/5

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

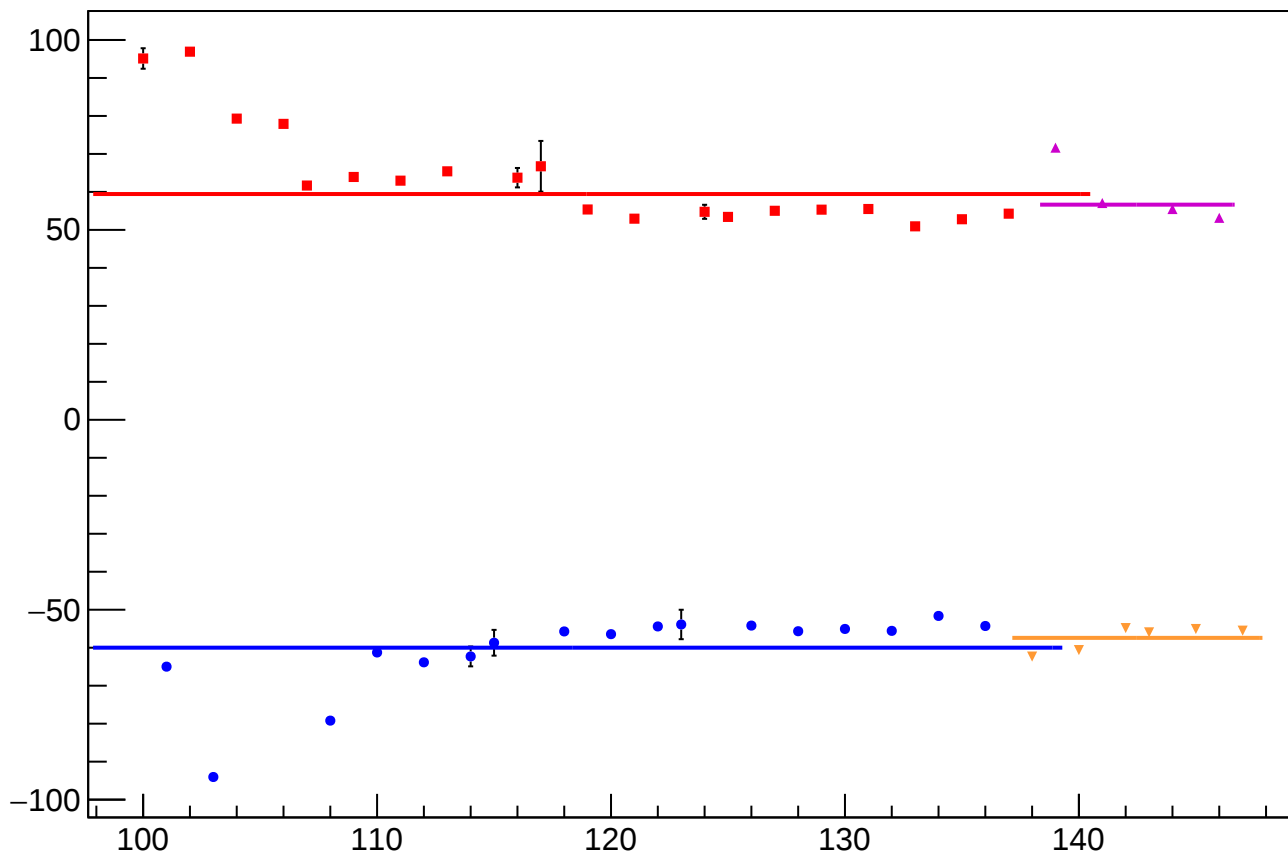
Left In: 1.435+/-0.325 χ^2/NDF : 3.4/3

-1.010+/-0.292 χ^2/NDF : 107.0/5

0.084+/-0.217 χ^2/NDF : 141.7/9

1.435+/-0.325 χ^2/NDF : 3.4/3

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -57.410 ± 0.223 χ^2/NDF : 157.9/5

Right Out: 59.442 ± 0.212 χ^2/NDF : 2919.1/19

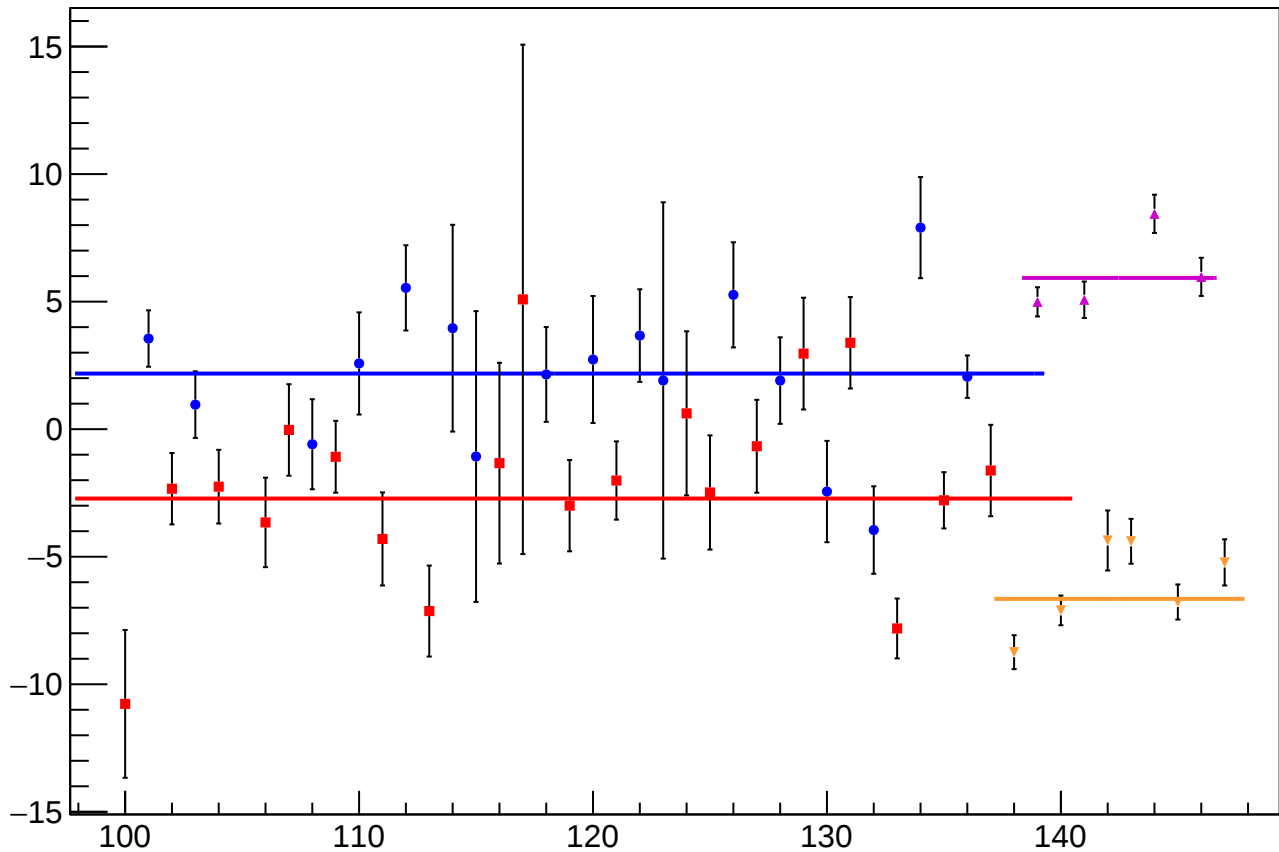
Left In: 56.644 ± 0.275 χ^2/NDF : 299.4/3

-58.693 ± 0.159 χ^2/NDF : 2197.1/22

-3.433 ± 0.115 χ^2/NDF : 262891.8/46

58.398 ± 0.168 χ^2/NDF : 3283.6/23

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -6.653 ± 0.308 $\chi^2/\text{NDF}: 23.4/5$

Right Out: -2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

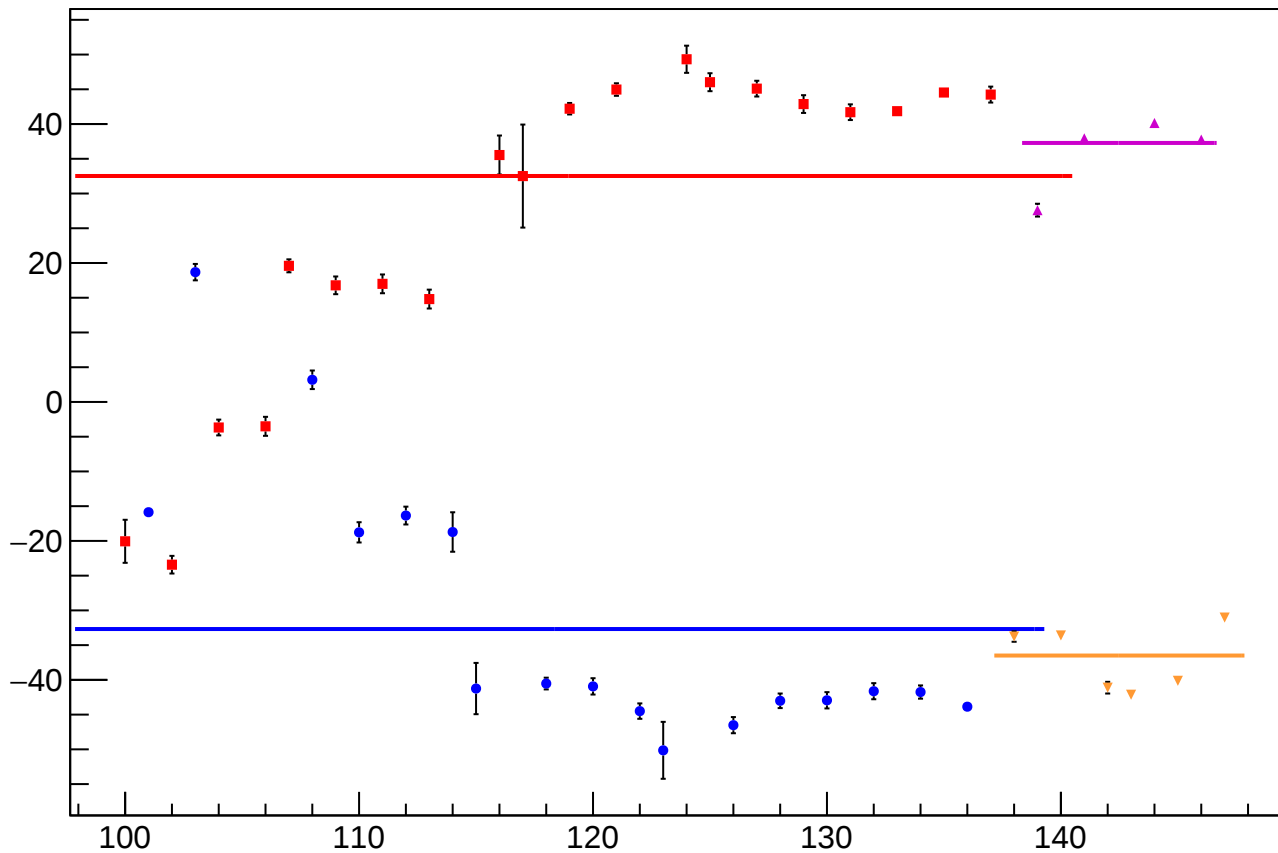
Left In: 5.930 ± 0.341 $\chi^2/\text{NDF}: 15.4/3$

-3.424 ± 0.245 $\chi^2/\text{NDF}: 363.3/22$

-0.757 ± 0.177 $\chi^2/\text{NDF}: 965.9/46$

2.153 ± 0.256 $\chi^2/\text{NDF}: 355.3/23$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -36.498 ± 0.271 $\chi^2/\text{NDF}: 246.0/5$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

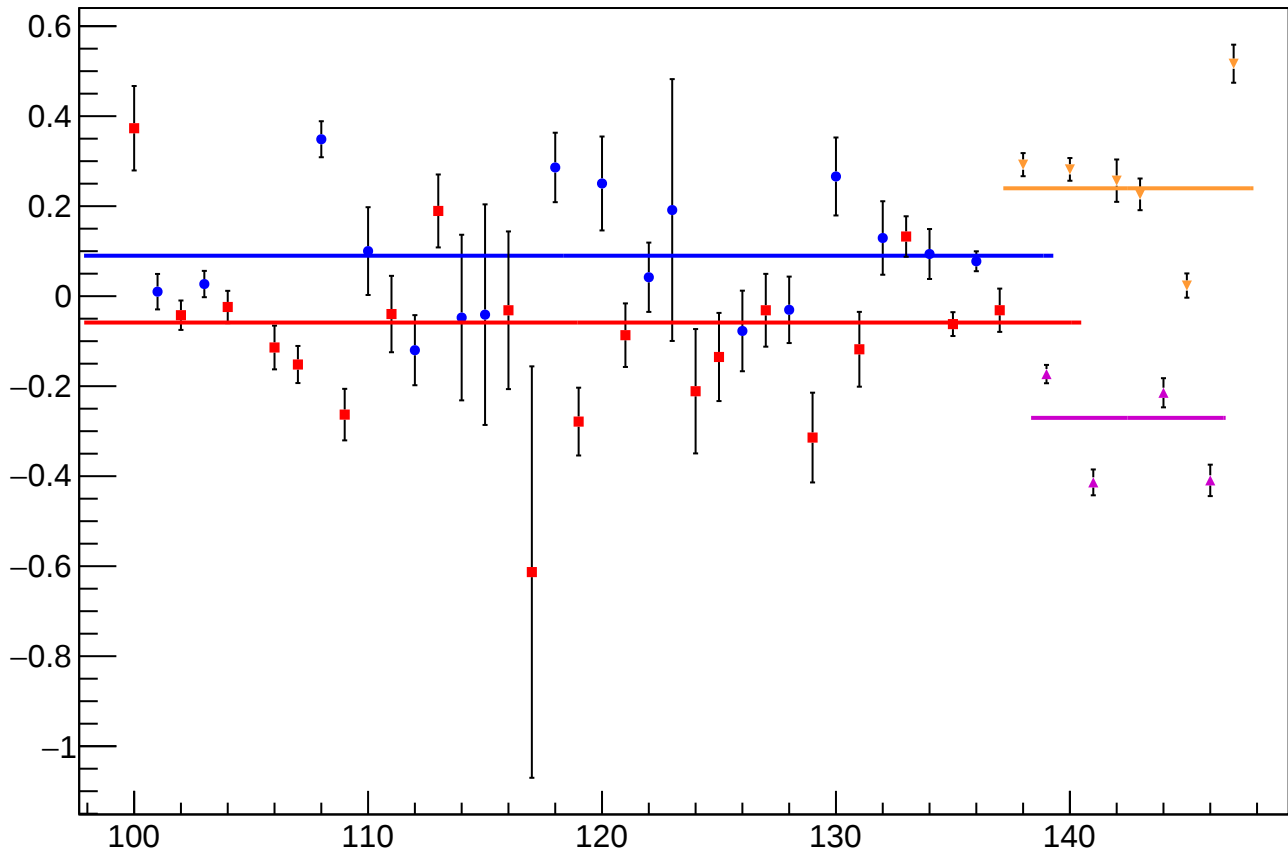
Left In: 37.279 ± 0.323 $\chi^2/\text{NDF}: 135.3/3$

-34.483 ± 0.186 $\chi^2/\text{NDF}: 4997.9/22$

-1.689 ± 0.134 $\chi^2/\text{NDF}: 76555.8/46$

34.251 ± 0.195 $\chi^2/\text{NDF}: 6318.7/23$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.240 ± 0.013 $\chi^2/\text{NDF}: 114.3/5$

Right Out: -0.059 ± 0.012 $\chi^2/\text{NDF}: 88.6/19$

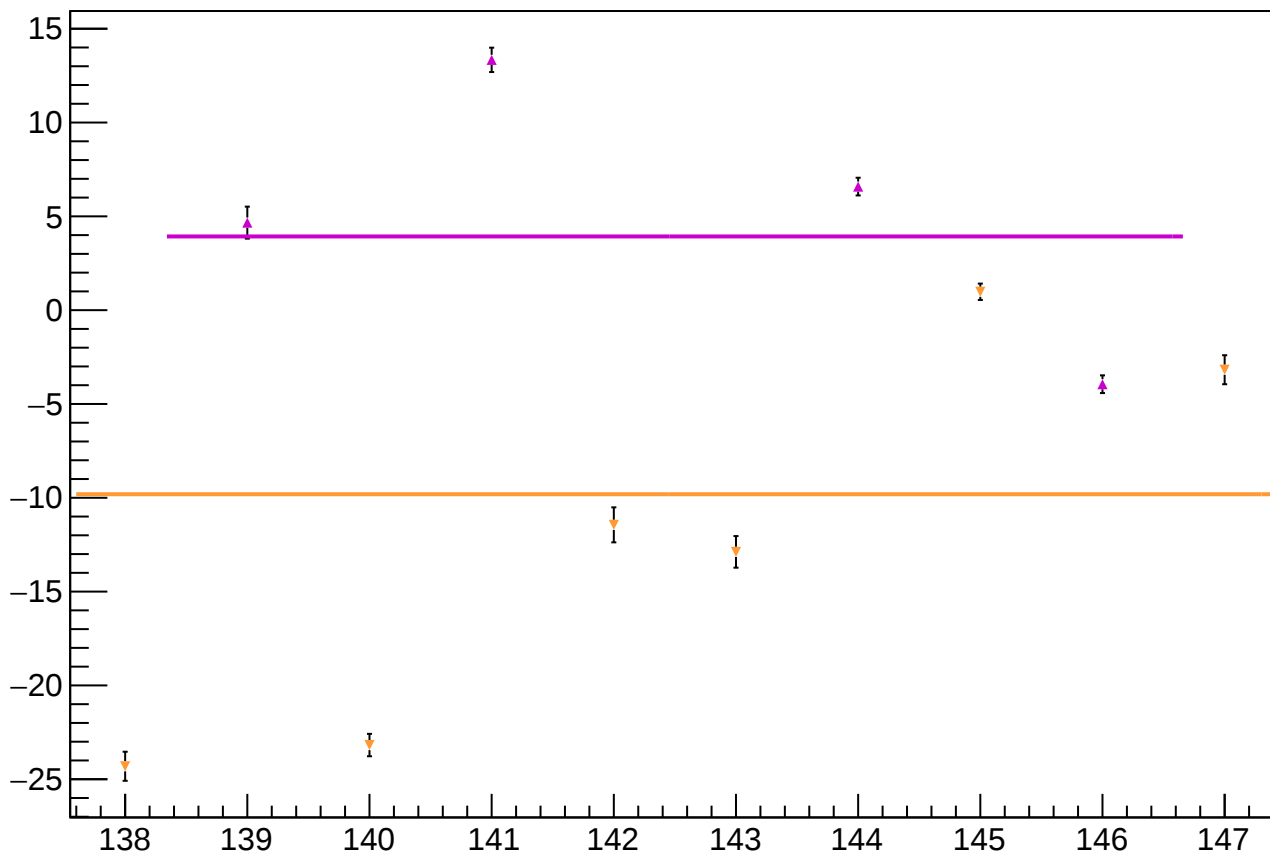
Left In: -0.270 ± 0.014 $\chi^2/\text{NDF}: 66.5/3$

0.166 ± 0.009 $\chi^2/\text{NDF}: 262.9/22$

0.008 ± 0.006 $\chi^2/\text{NDF}: 1174.6/46$

-0.153 ± 0.009 $\chi^2/\text{NDF}: 289.6/23$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.810 $\pm$ 0.268 χ^2 /NDF: 1555.0/5

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

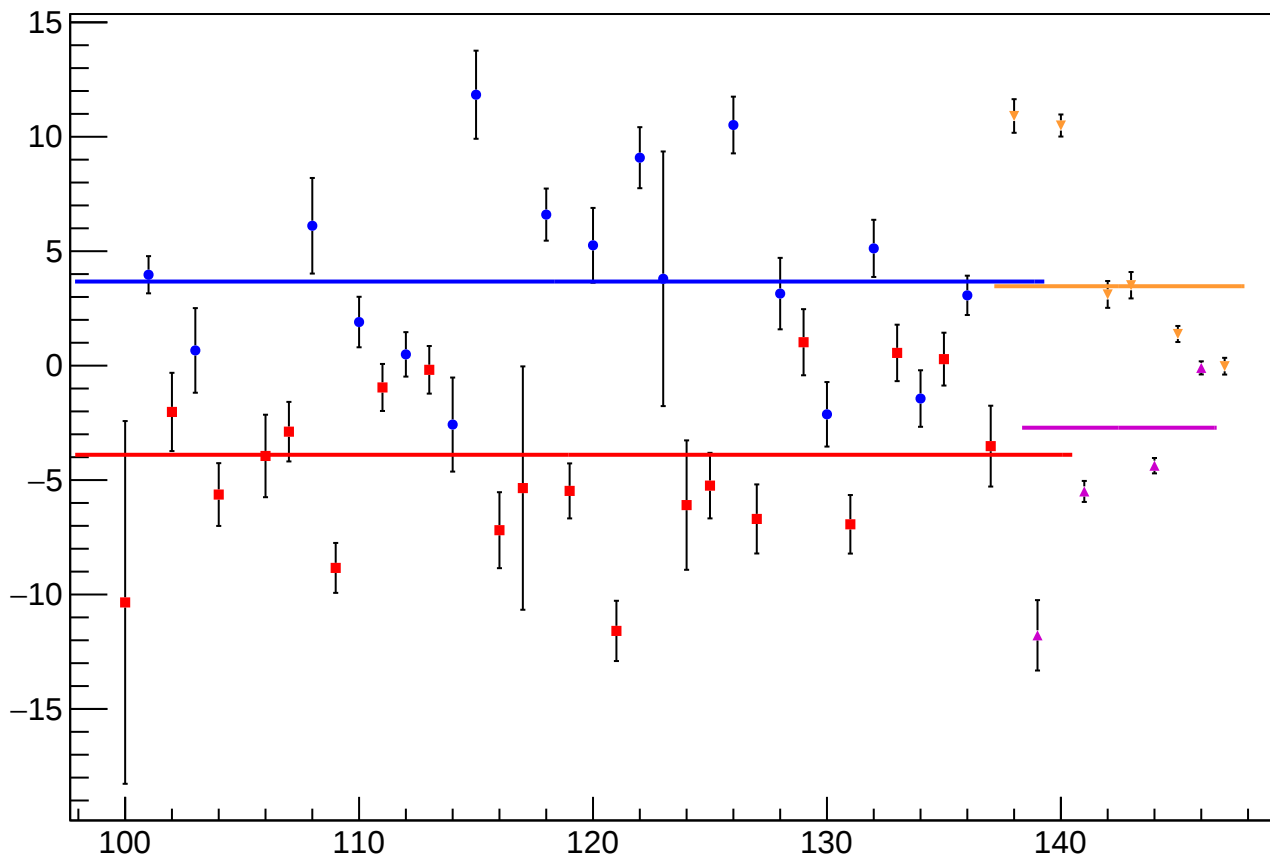
Left In: 3.929 $\pm$ 0.280 χ^2 /NDF: 520.3/3

-9.810 $\pm$ 0.268 χ^2 /NDF: 1555.0/5

-3.264 $\pm$ 0.194 χ^2 /NDF: 3331.9/9

3.929 $\pm$ 0.280 χ^2 /NDF: 520.3/3

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 3.470 ± 0.190 χ^2/NDF : 441.3/5

Right Out: -3.895 ± 0.316 χ^2/NDF : 133.8/19

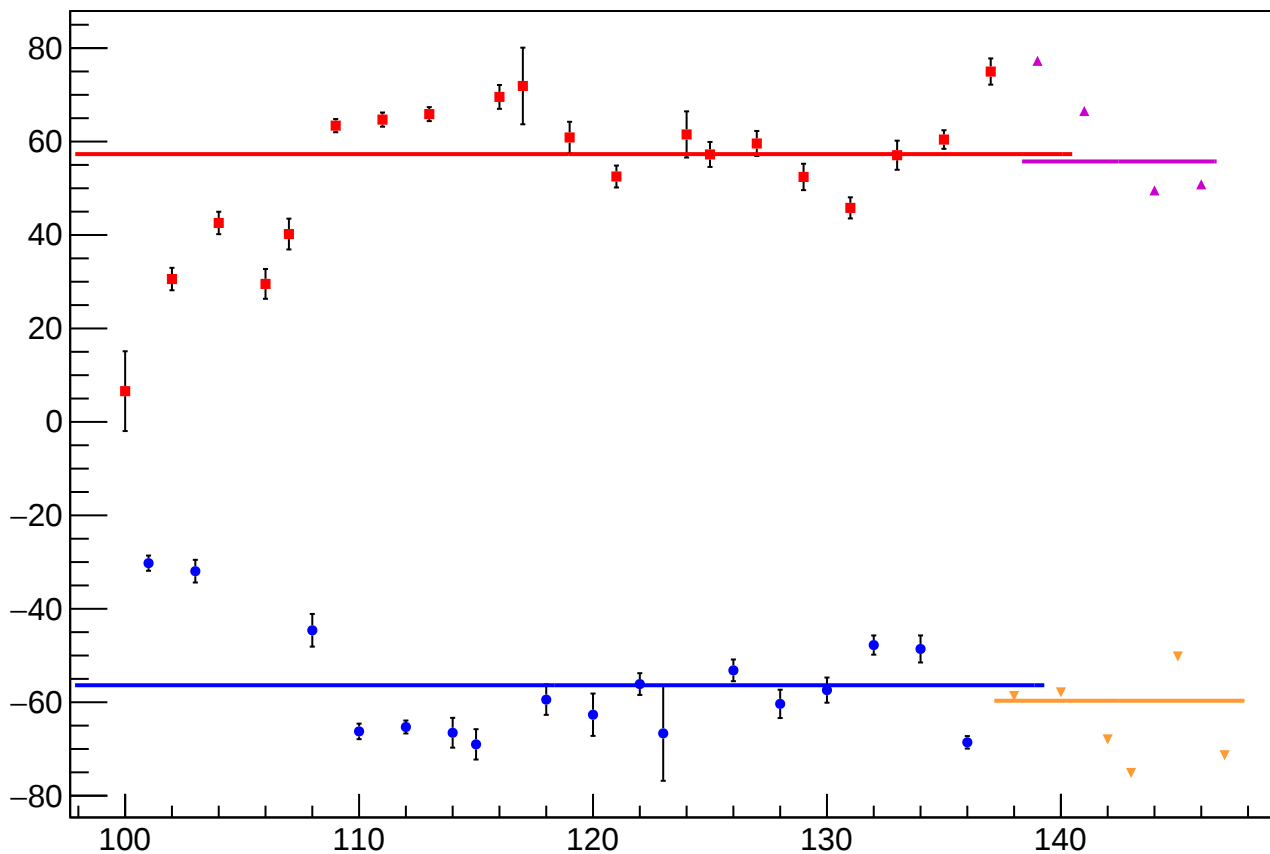
Left In: -2.712 ± 0.195 χ^2/NDF : 178.9/3

3.526 ± 0.162 χ^2/NDF : 576.8/22

0.323 ± 0.116 χ^2/NDF : 1699.3/46

-3.040 ± 0.166 χ^2/NDF : 322.9/23

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -59.677 ± 0.281 χ^2/NDF : 1052.5/5

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

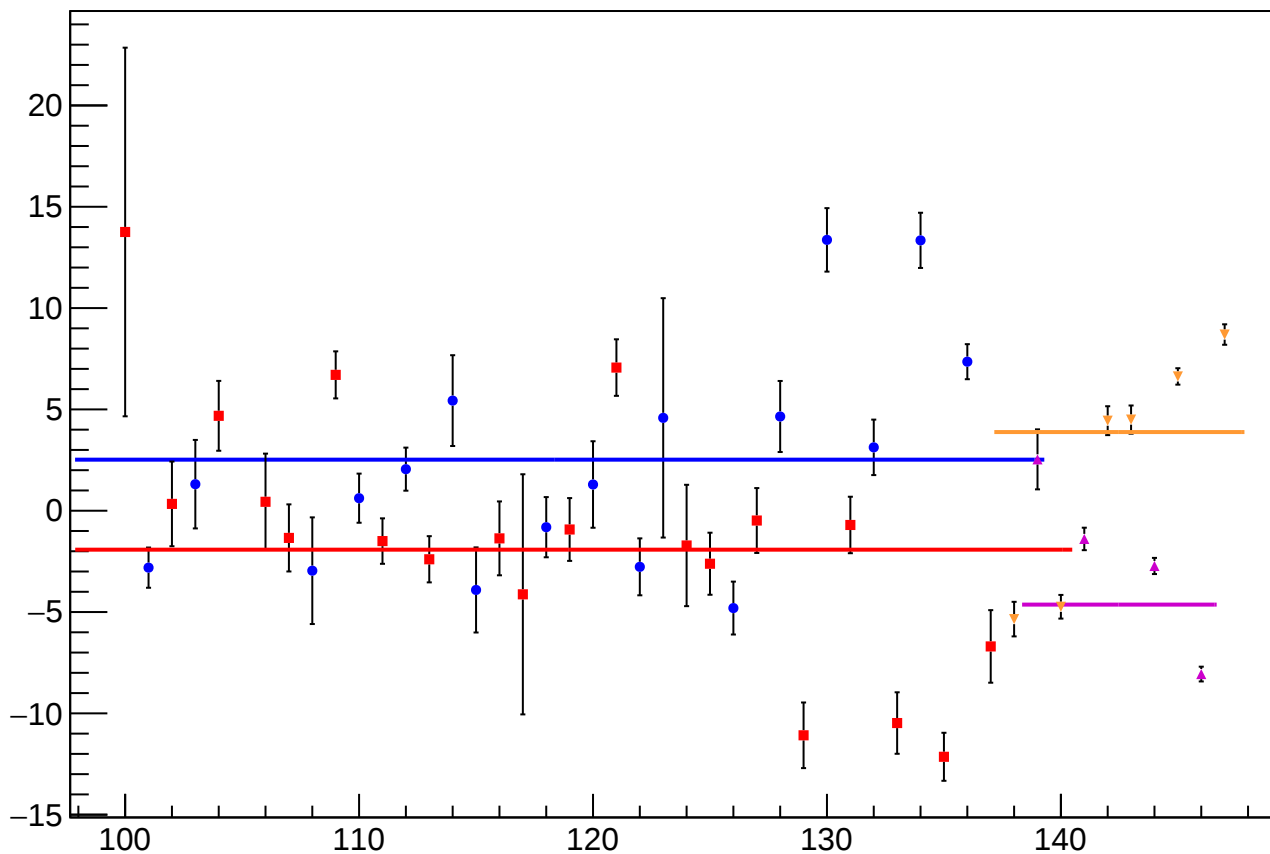
Left In: 55.740 ± 0.288 χ^2/NDF : 1055.4/3

-58.979 ± 0.249 χ^2/NDF : 1669.1/22

-2.469 ± 0.178 χ^2/NDF : 107875.9/46

56.094 ± 0.254 χ^2/NDF : 1541.3/23

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 $\chi^2/\text{NDF}: 242.3/16$

Left Out: 3.882 ± 0.233 $\chi^2/\text{NDF}: 473.0/5$

Right Out: -1.922 ± 0.354 $\chi^2/\text{NDF}: 264.7/19$

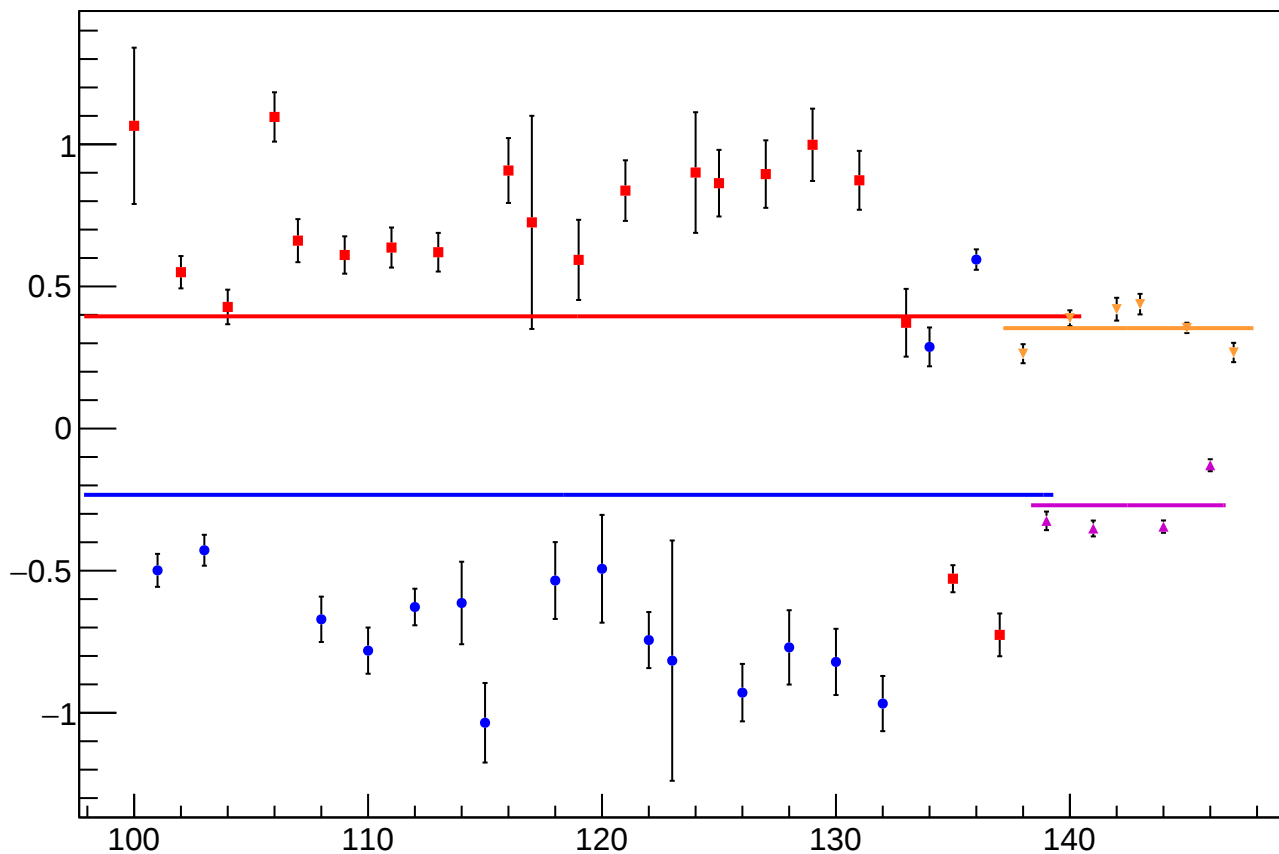
Left In: -4.633 ± 0.239 $\chi^2/\text{NDF}: 168.9/3$

3.458 ± 0.194 $\chi^2/\text{NDF}: 726.0/22$

-0.084 ± 0.138 $\chi^2/\text{NDF}: 1883.5/46$

-3.786 ± 0.198 $\chi^2/\text{NDF}: 473.8/23$

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.353 ± 0.012 χ^2/NDF : 23.4/5

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

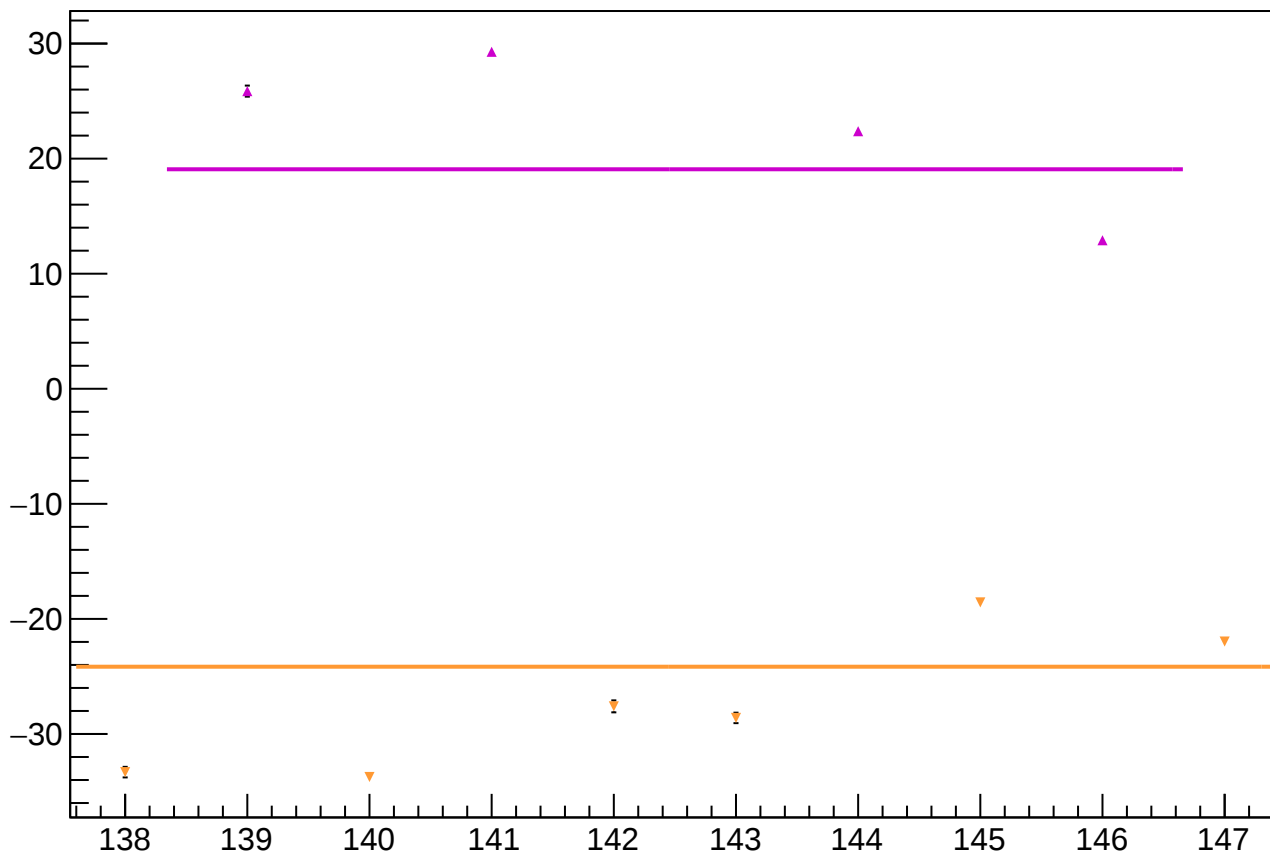
Left In: -0.270 ± 0.012 χ^2/NDF : 67.5/3

0.193 ± 0.010 χ^2/NDF : 1680.1/22

0.067 ± 0.007 χ^2/NDF : 3800.8/46

-0.072 ± 0.010 χ^2/NDF : 1776.2/23

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.155+/-0.133 χ^2/NDF : 2230.0/5

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

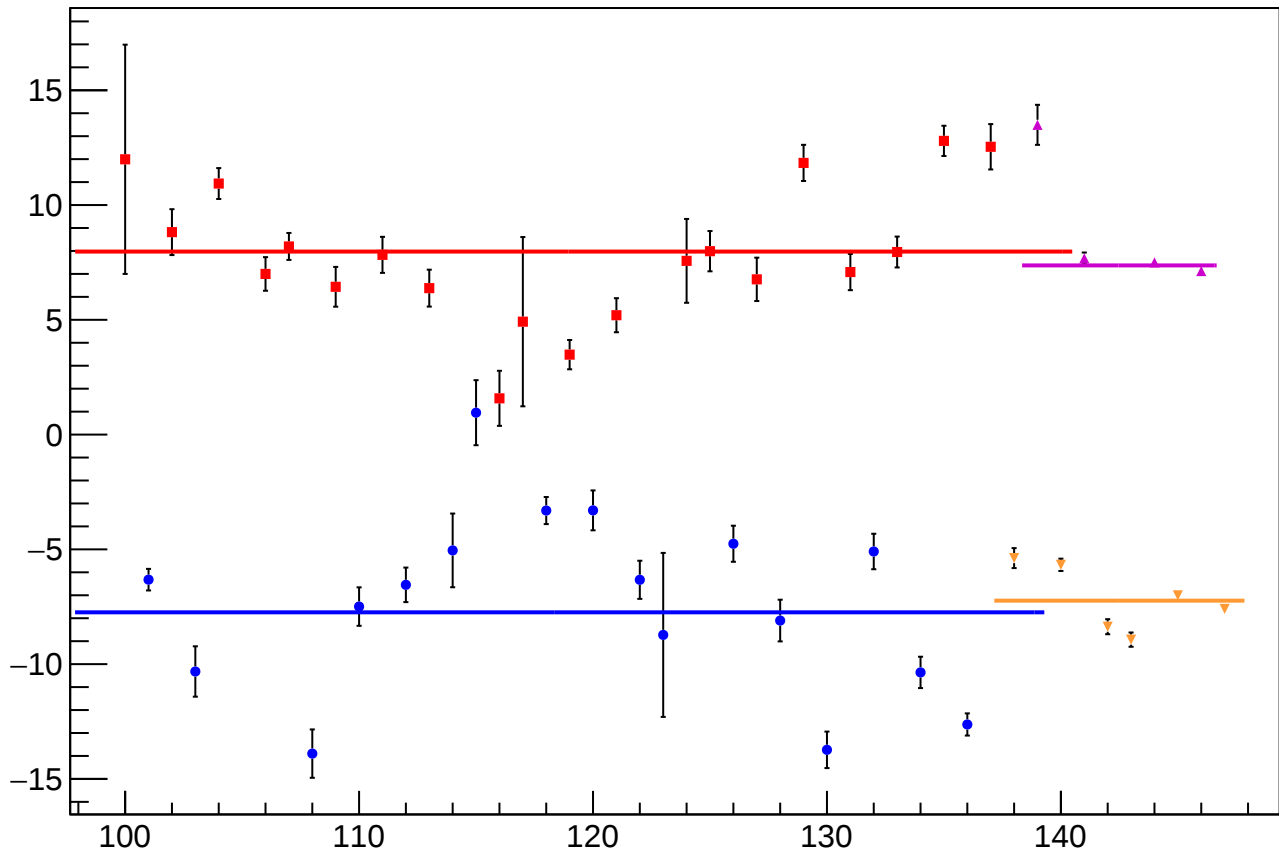
Left In: 19.074+/-0.128 χ^2/NDF : 2319.6/3

-24.155+/-0.133 χ^2/NDF : 2230.0/5

-1.777+/-0.092 χ^2/NDF : 59200.9/9

19.074+/-0.128 χ^2/NDF : 2319.6/3

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.235 ± 0.094 χ^2/NDF : 100.4/5

Right Out: 7.973 ± 0.186 χ^2/NDF : 224.2/19

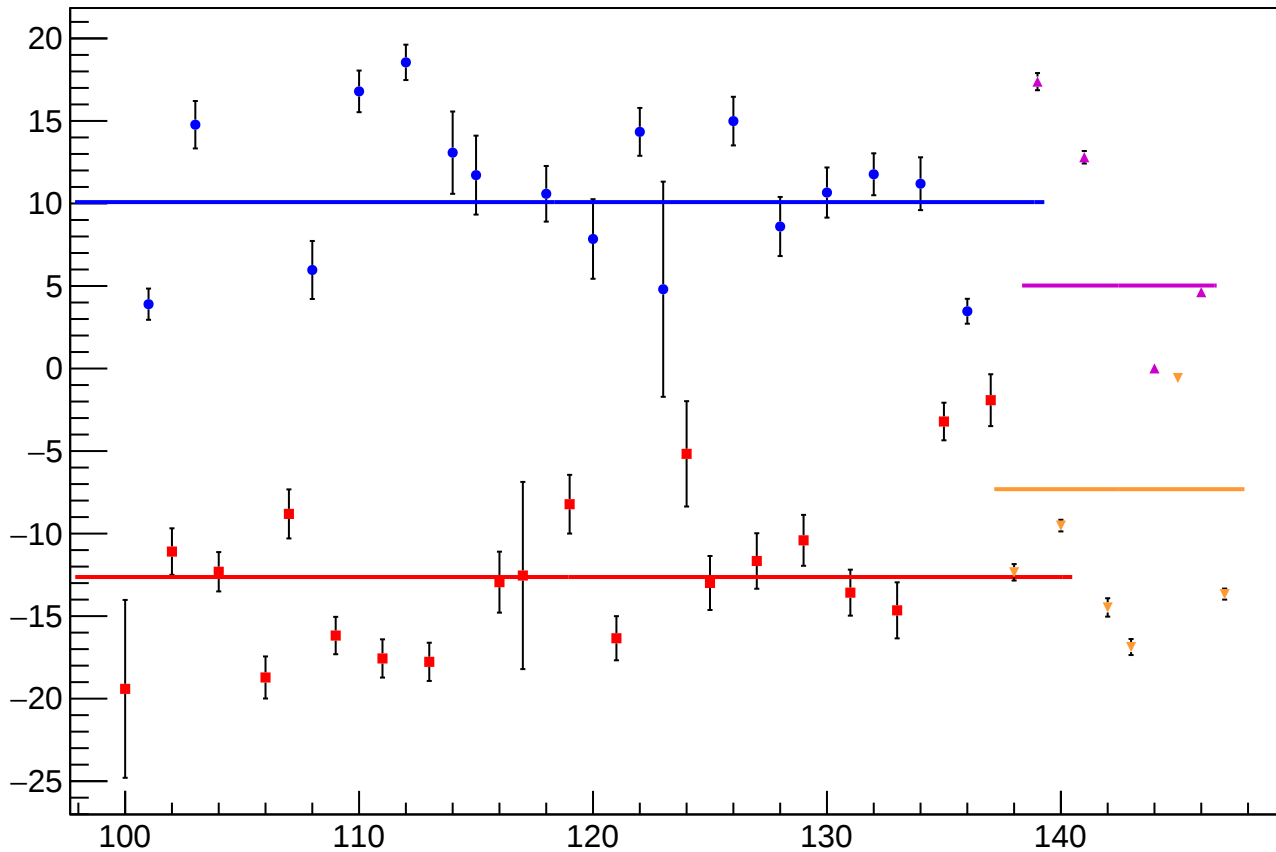
Left In: 7.370 ± 0.088 χ^2/NDF : 56.0/3

-7.337 ± 0.084 χ^2/NDF : 483.8/22

0.487 ± 0.058 χ^2/NDF : 17192.9/46

7.481 ± 0.079 χ^2/NDF : 288.8/23

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -7.309 ± 0.139 χ^2/NDF : 2125.0/5

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

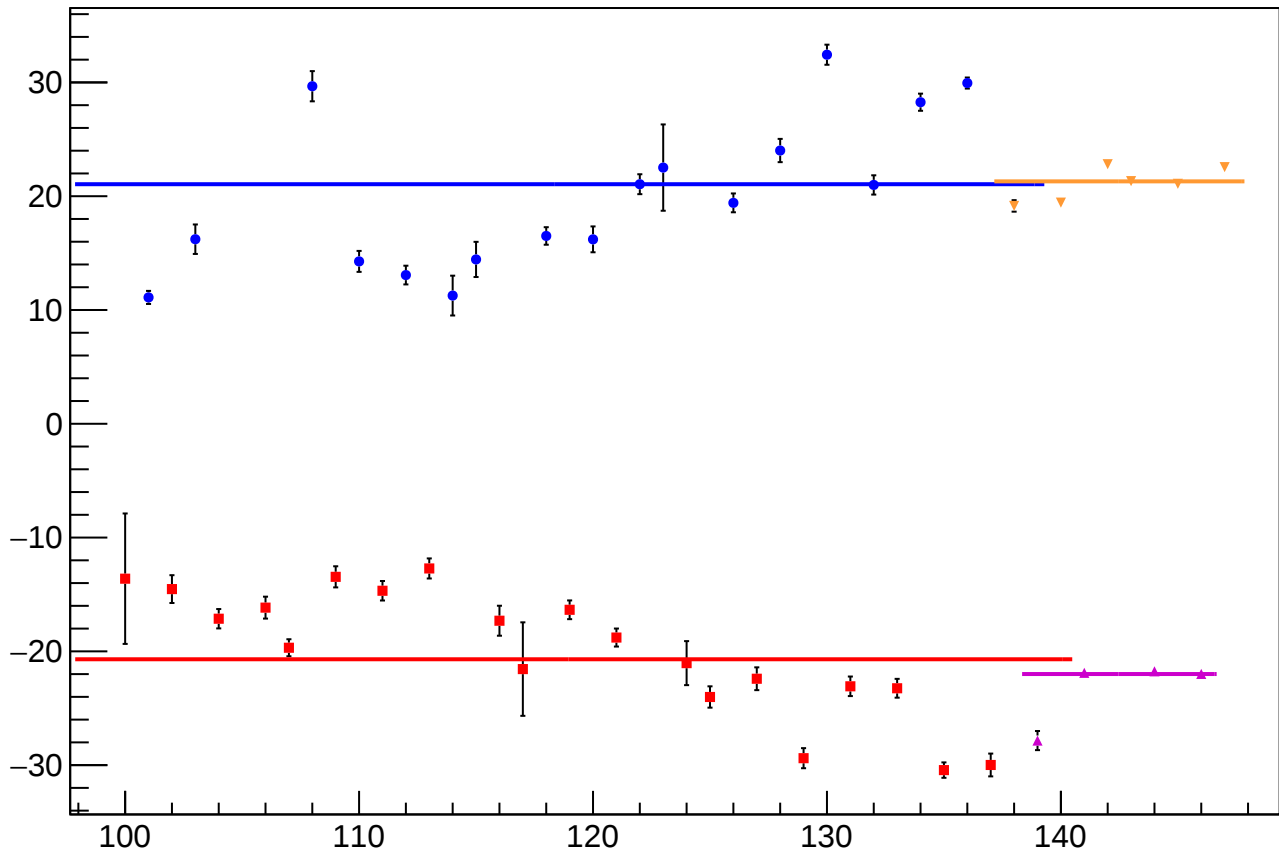
Left In: 5.029 ± 0.130 χ^2/NDF : 1426.4/3

-4.803 ± 0.128 χ^2/NDF : 4644.9/22

-0.861 ± 0.088 χ^2/NDF : 10530.5/46

2.669 ± 0.121 χ^2/NDF : 4095.2/23

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 21.305 ± 0.116 $\chi^2/\text{NDF}: 95.6/5$

Right Out: -20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

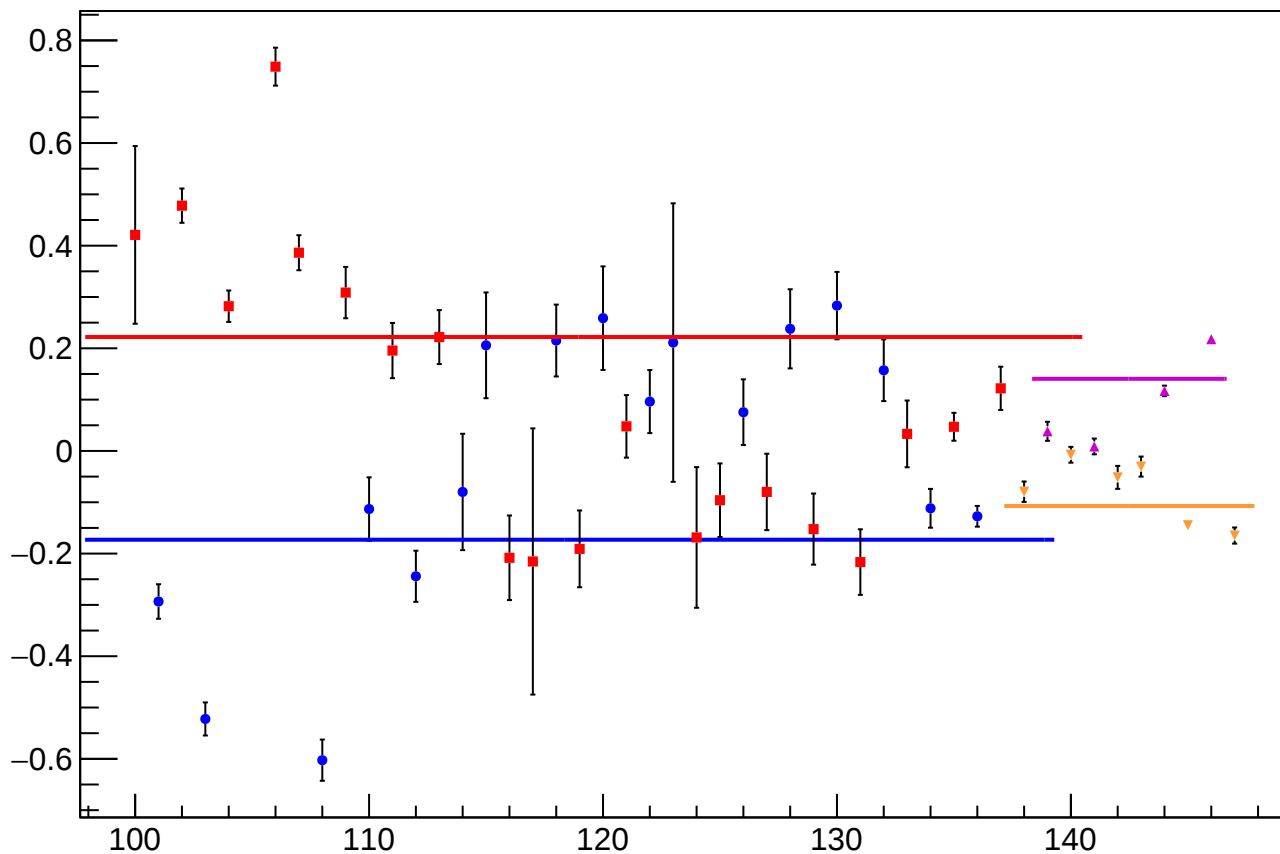
Left In: -21.993 ± 0.108 $\chi^2/\text{NDF}: 50.2/3$

21.247 ± 0.101 $\chi^2/\text{NDF}: 1308.5/22$

-1.410 ± 0.070 $\chi^2/\text{NDF}: 96851.1/46$

-21.729 ± 0.096 $\chi^2/\text{NDF}: 804.0/23$

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.107 ± 0.006 χ^2/NDF : 100.6/5

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

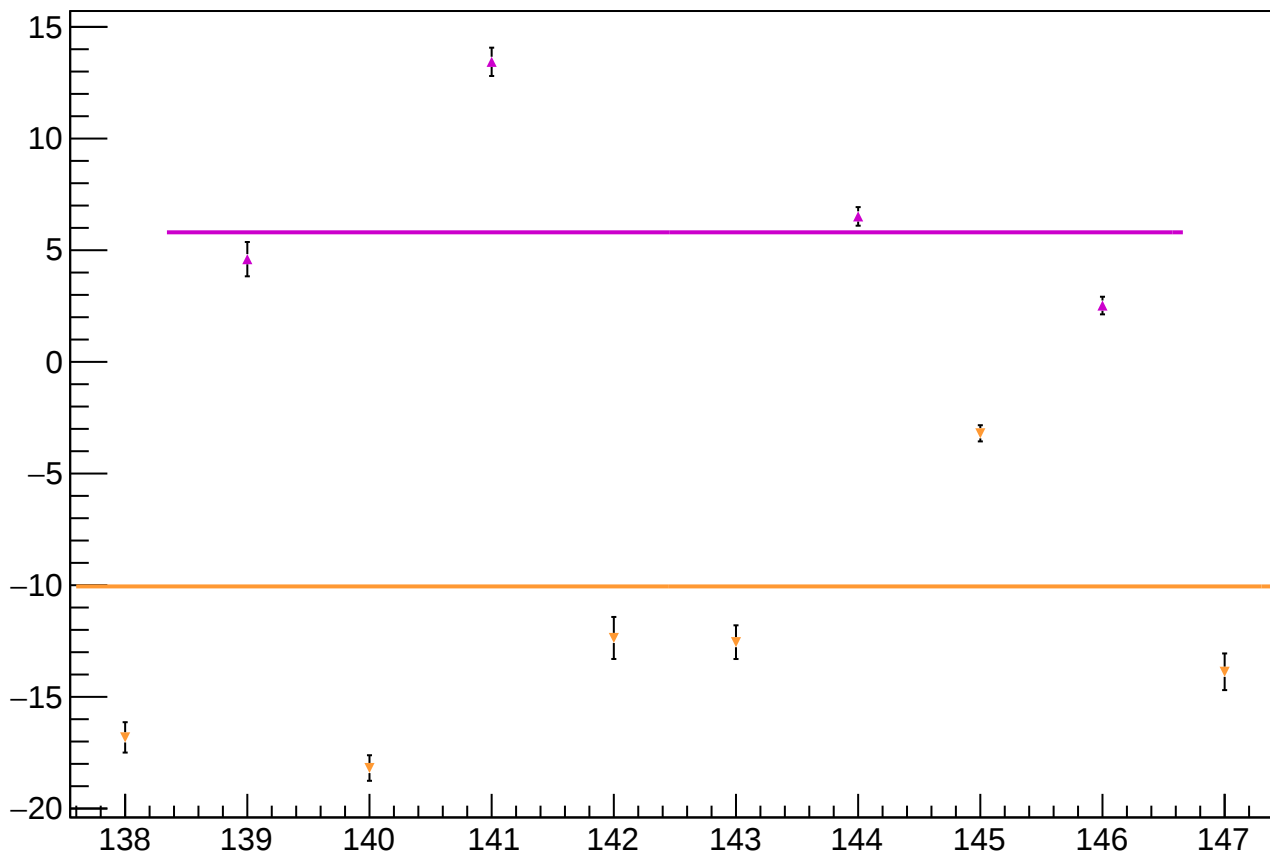
Left In: 0.141 ± 0.006 χ^2/NDF : 193.1/3

-0.121 ± 0.005 χ^2/NDF : 589.7/22

0.019 ± 0.004 χ^2/NDF : 2872.9/46

0.158 ± 0.005 χ^2/NDF : 774.6/23

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.055 $\pm$ 0.241 χ^2 /NDF: 696.9/5

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

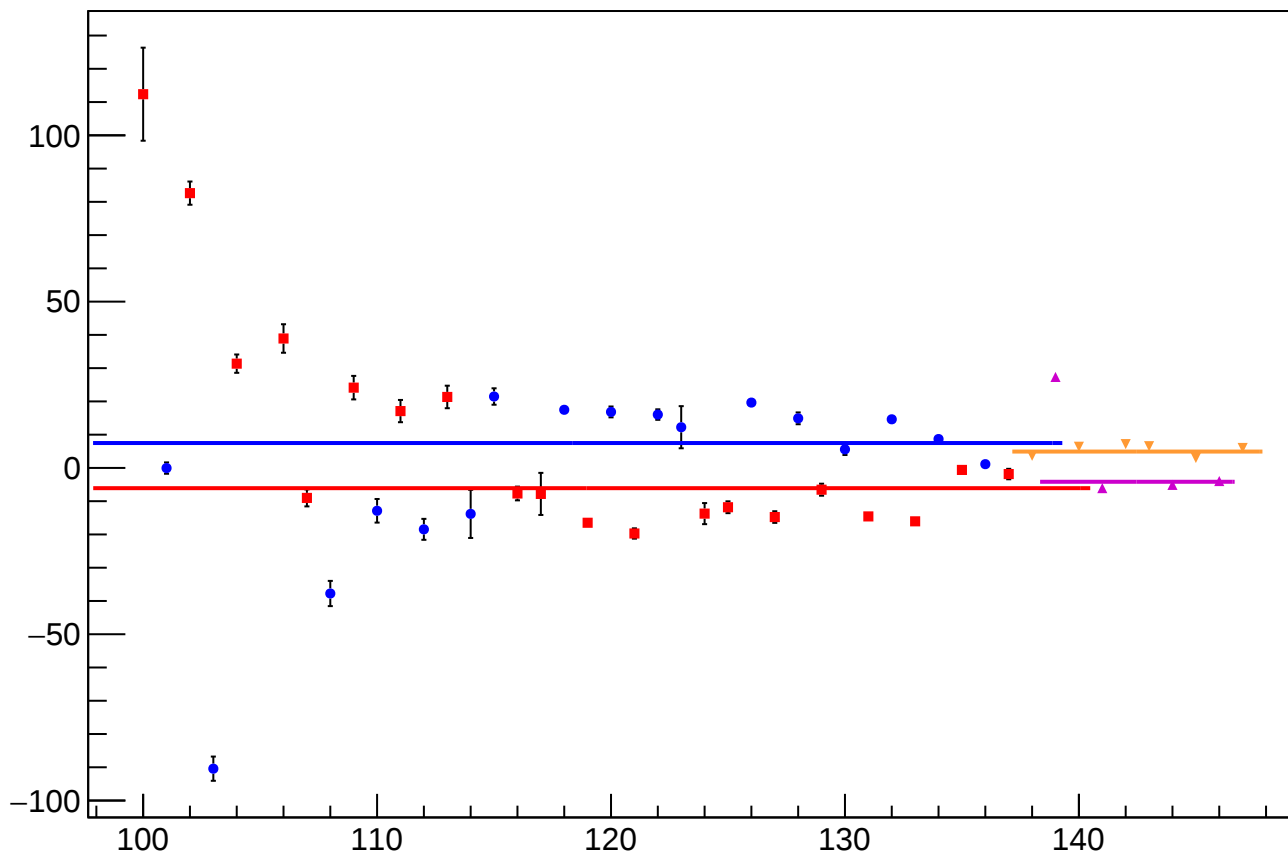
Left In: 5.802 $\pm$ 0.247 χ^2 /NDF: 219.5/3

-10.055 $\pm$ 0.241 χ^2 /NDF: 696.9/5

-2.318 $\pm$ 0.173 χ^2 /NDF: 3025.4/9

5.802 $\pm$ 0.247 χ^2 /NDF: 219.5/3

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 4.922 ± 0.176 χ^2/NDF : 90.3/5

Right Out: -6.086 ± 0.433 χ^2/NDF : 1512.2/19

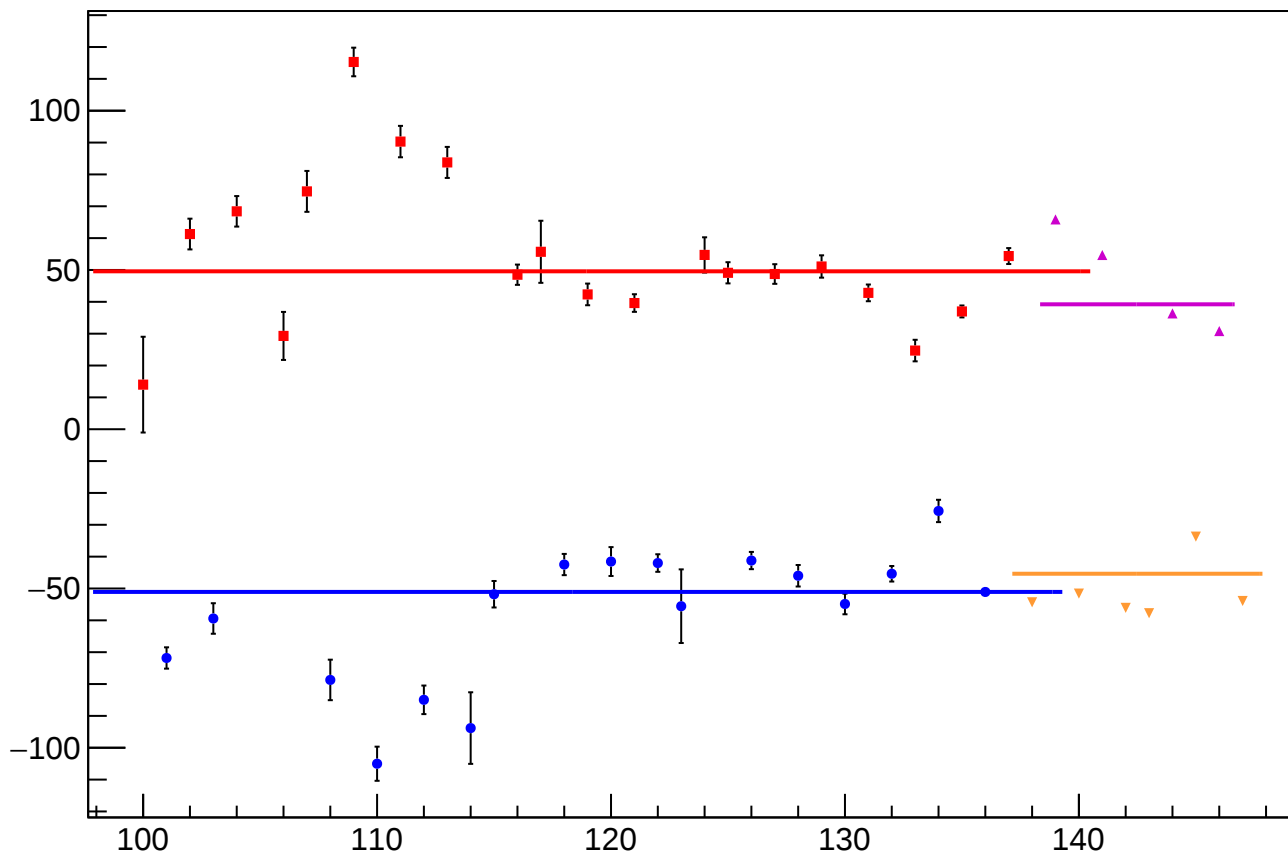
Left In: -4.163 ± 0.175 χ^2/NDF : 549.2/3

5.327 ± 0.162 χ^2/NDF : 1464.3/22

0.469 ± 0.115 χ^2/NDF : 5358.1/46

-4.433 ± 0.162 χ^2/NDF : 2078.3/23

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 +/- 0.741 χ^2/NDF : 330.2/16

Left Out: -45.369 +/- 0.255 χ^2/NDF : 1631.6/5

Right Out: 49.579 +/- 0.796 χ^2/NDF : 510.0/19

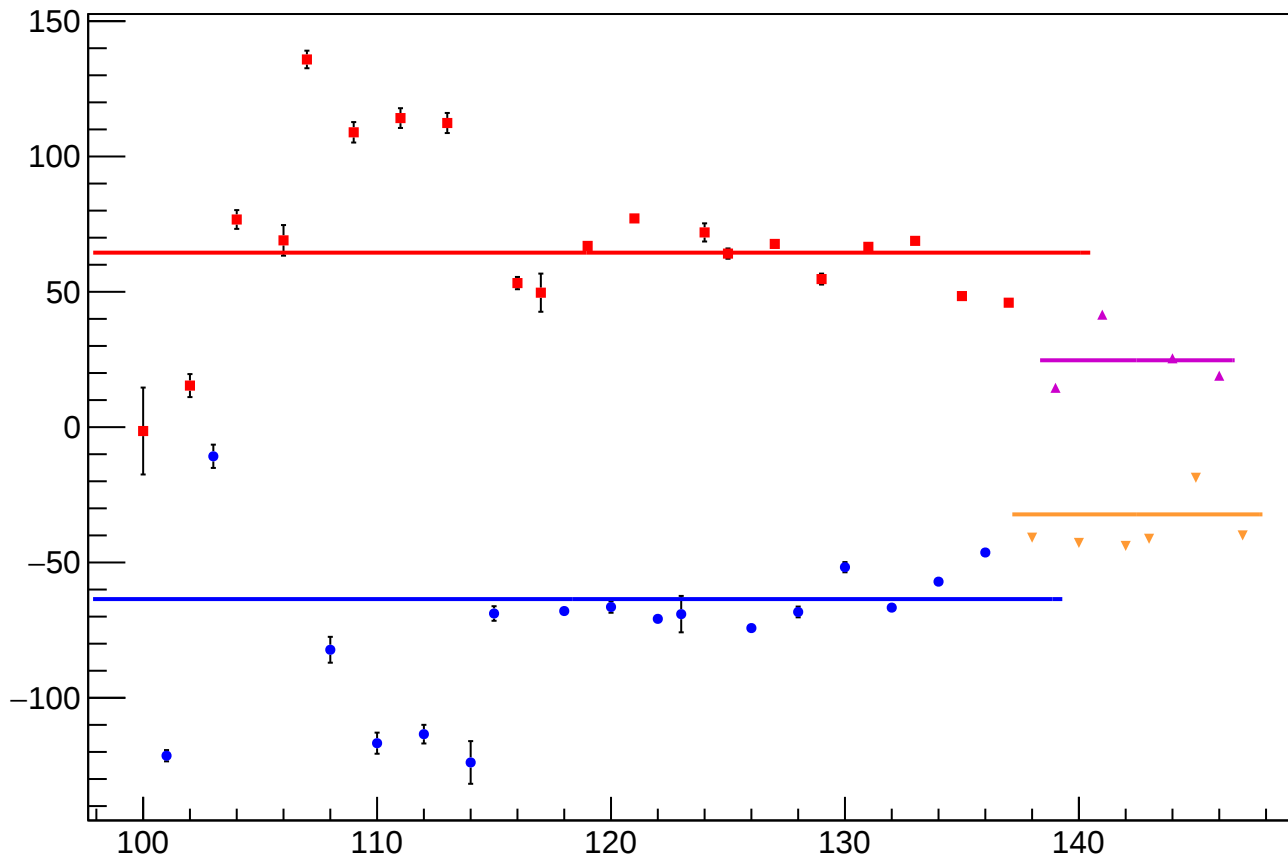
Left In: 39.220 +/- 0.253 χ^2/NDF : 2084.0/3

-45.972 +/- 0.241 χ^2/NDF : 2014.9/22

-2.995 +/- 0.170 χ^2/NDF : 68628.0/46

40.173 +/- 0.241 χ^2/NDF : 2747.8/23

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -32.231 ± 0.214 χ^2/NDF : 2805.7/5

Right Out: 64.470 ± 0.482 χ^2/NDF : 1607.5/19

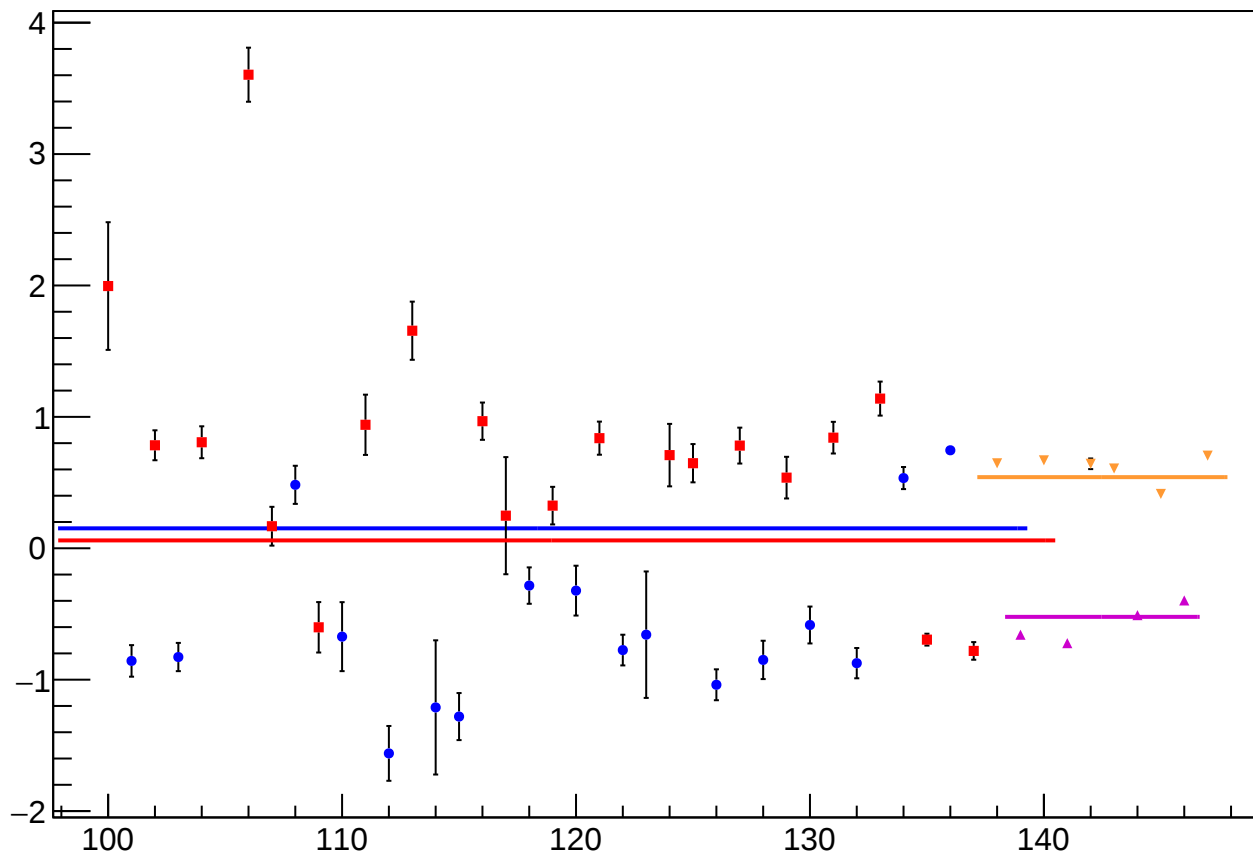
Left In: 24.704 ± 0.213 χ^2/NDF : 1357.3/3

-38.020 ± 0.193 χ^2/NDF : 8781.7/22

-3.694 ± 0.137 χ^2/NDF : 81238.8/46

31.185 ± 0.195 χ^2/NDF : 8666.3/23

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152+/-0.024 χ^2/NDF : 987.4/16

Left Out: 0.541+/-0.010 χ^2/NDF : 137.6/5

Right Out: 0.060+/-0.026 χ^2/NDF : 1162.1/19

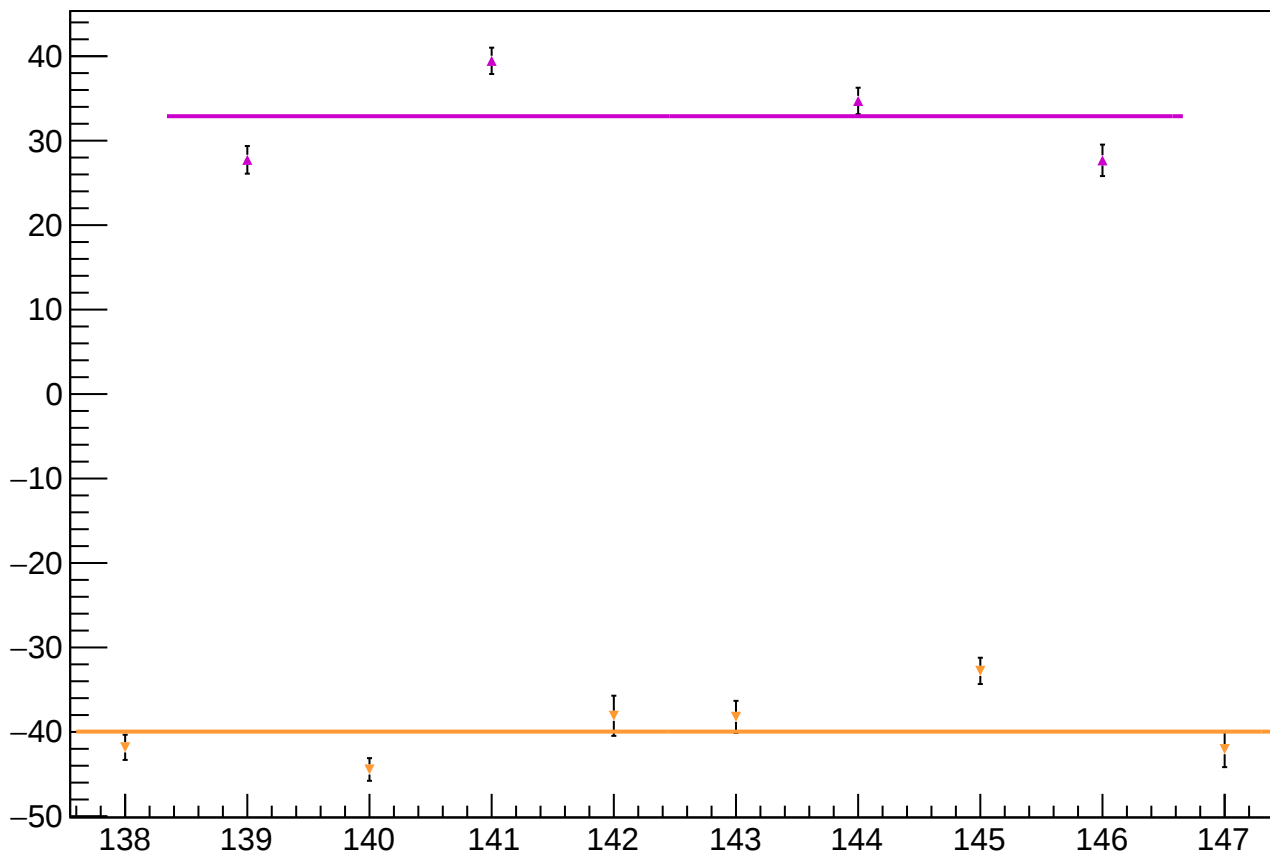
Left In: -0.522+/-0.011 χ^2/NDF : 124.7/3

0.480+/-0.010 χ^2/NDF : 1346.3/22

0.047+/-0.007 χ^2/NDF : 7393.8/46

-0.436+/-0.010 χ^2/NDF : 1705.4/23

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -39.961+/-0.691 χ^2/NDF : 36.5/5

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

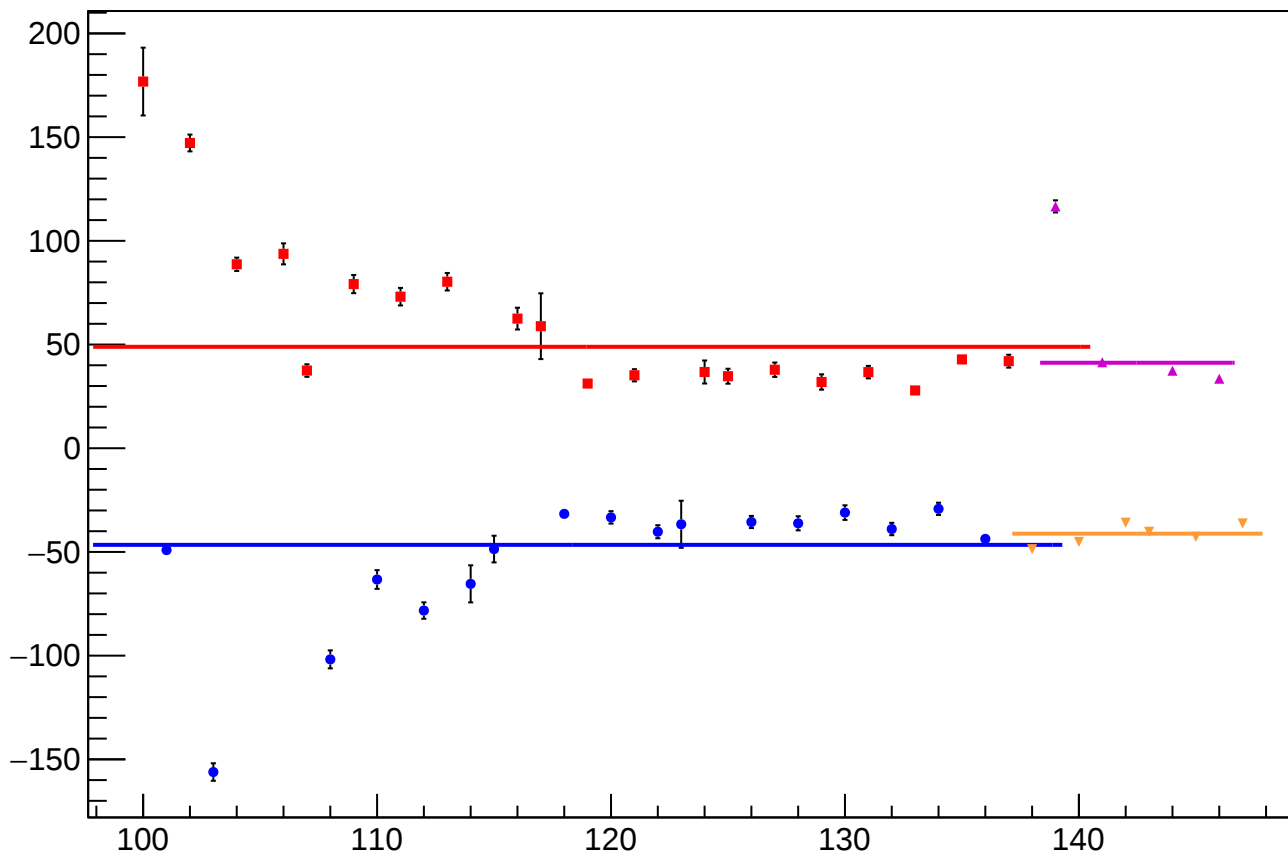
Left In: 32.895+/-0.821 χ^2/NDF : 36.9/3

-39.961+/-0.691 χ^2/NDF : 36.5/5

-9.749+/-0.529 χ^2/NDF : 4680.8/9

32.895+/-0.821 χ^2/NDF : 36.9/3

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -41.189 ± 0.506 $\chi^2/\text{NDF}: 76.3/5$

Right Out: 48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

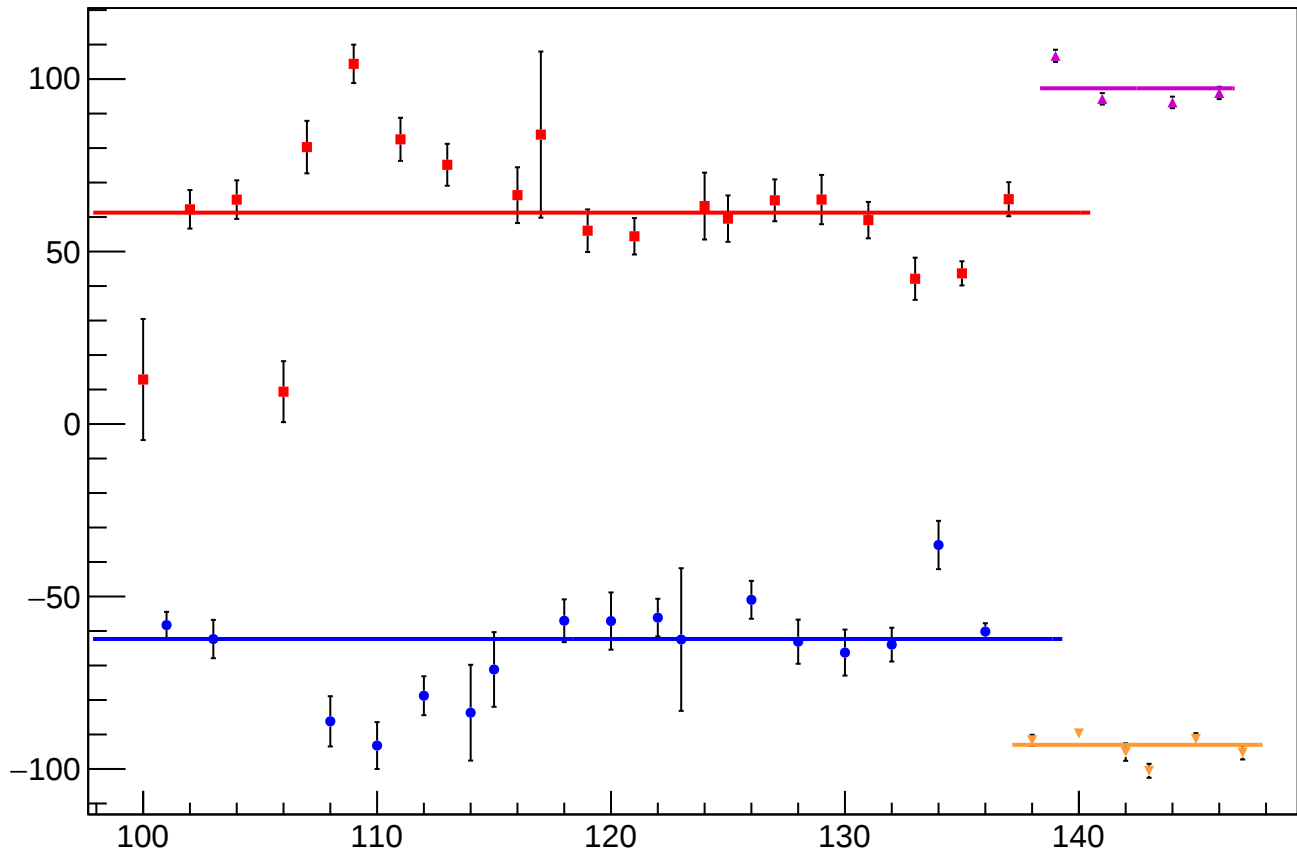
Left In: 41.216 ± 0.632 $\chi^2/\text{NDF}: 719.1/3$

-42.938 ± 0.416 $\chi^2/\text{NDF}: 1189.5/22$

-6.132 ± 0.316 $\chi^2/\text{NDF}: 21842.3/46$

44.351 ± 0.487 $\chi^2/\text{NDF}: 2057.3/23$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -92.996 ± 0.728 χ^2/NDF : 22.9/5

Right Out: 61.277 ± 1.379 χ^2/NDF : 165.9/19

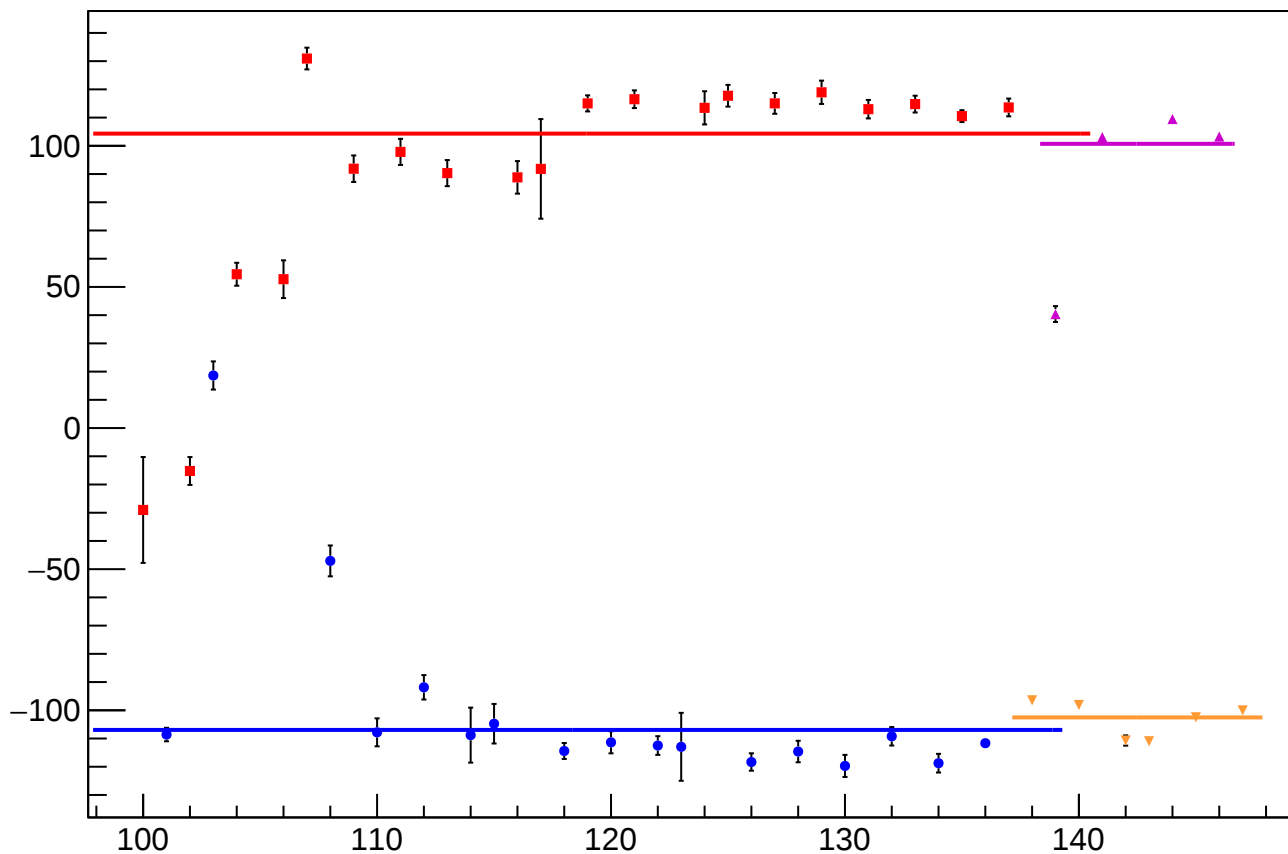
Left In: 97.322 ± 0.860 χ^2/NDF : 38.2/3

-85.810 ± 0.637 χ^2/NDF : 506.5/22

-10.972 ± 0.480 χ^2/NDF : 33146.9/46

87.234 ± 0.729 χ^2/NDF : 696.3/23

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954±/0.817 χ^2/NDF : 827.2/16

Left Out: -102.527±/0.619 χ^2/NDF : 76.0/5

Right Out: 104.326±/0.860 χ^2/NDF : 1021.5/19

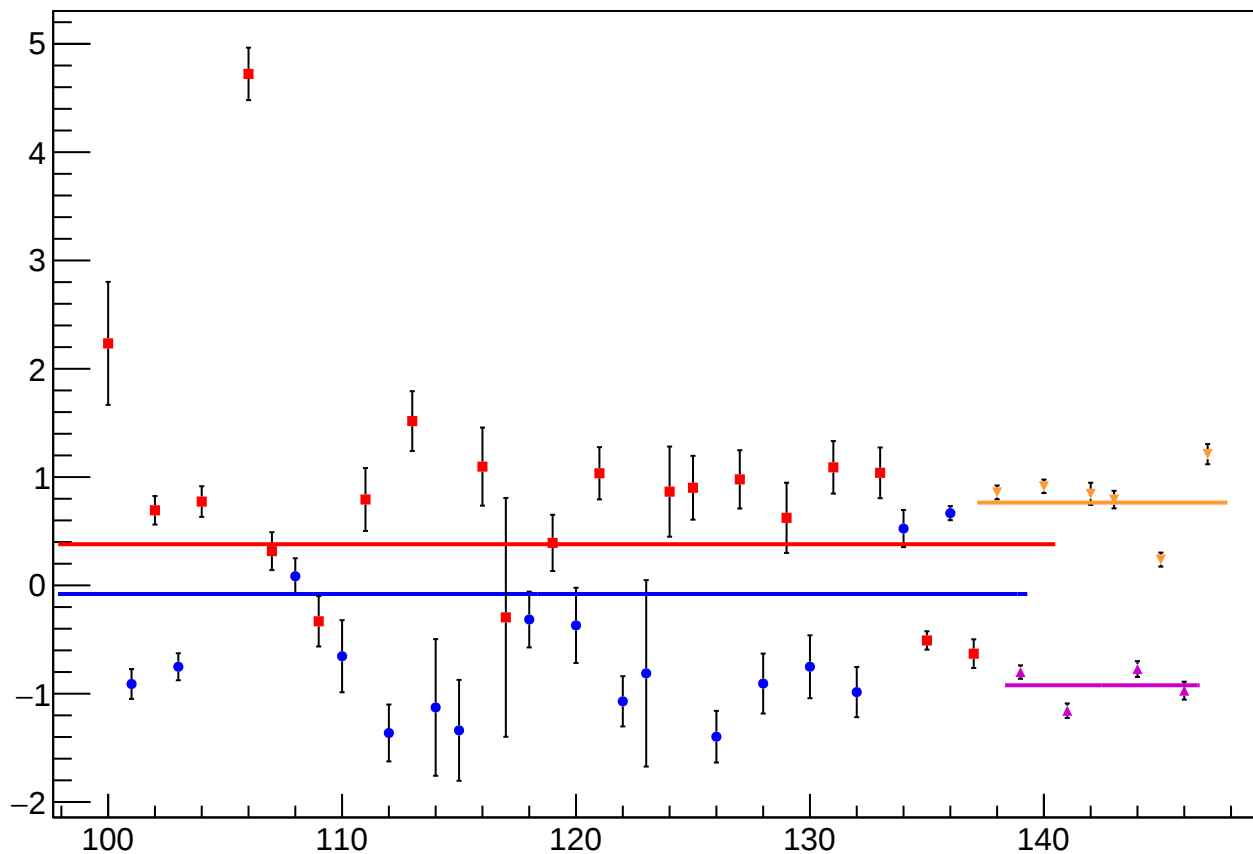
Left In: 100.709±/0.757 χ^2/NDF : 507.9/3

-104.142±/0.494 χ^2/NDF : 921.9/22

-15.412±/0.373 χ^2/NDF : 77645.1/46

102.288±/0.568 χ^2/NDF : 1539.4/23

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.764 ± 0.030 χ^2/NDF : 97.6/5

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

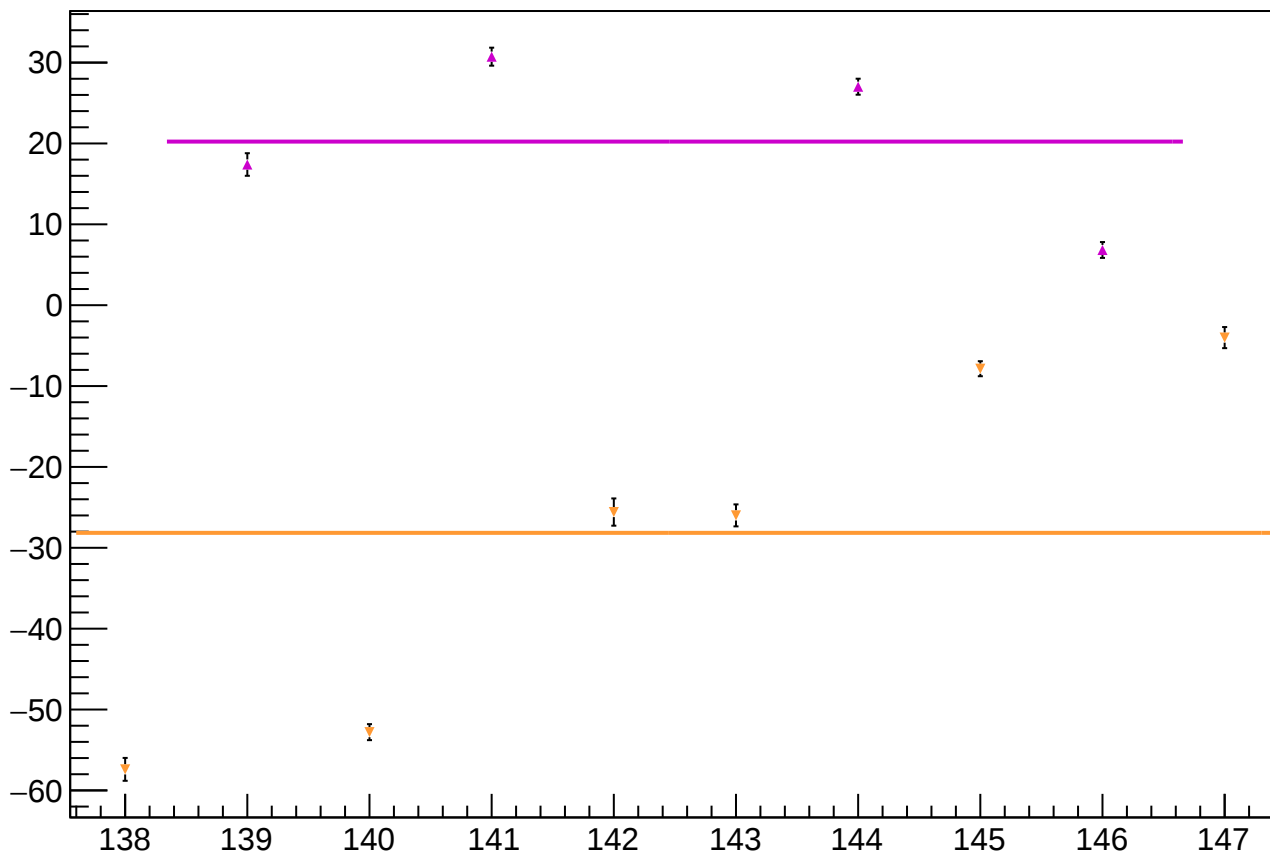
Left In: -0.922 ± 0.035 χ^2/NDF : 20.7/3

0.480 ± 0.025 χ^2/NDF : 690.6/22

0.081 ± 0.018 χ^2/NDF : 2424.7/46

-0.417 ± 0.027 χ^2/NDF : 1138.4/23

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -28.152+/-0.490 χ^2/NDF : 1870.8/5

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

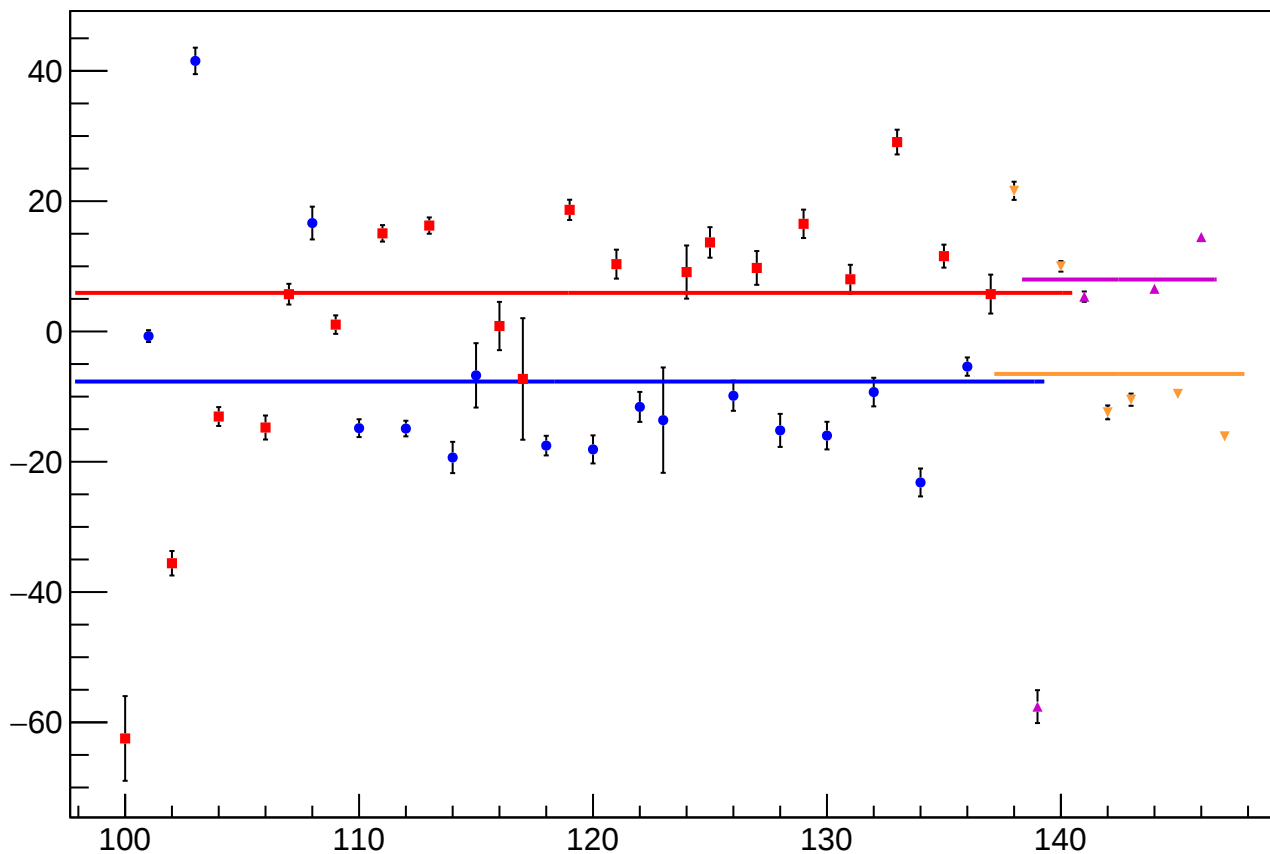
Left In: 20.231+/-0.544 χ^2/NDF : 327.4/3

-28.152+/-0.490 χ^2/NDF : 1870.8/5

-6.441+/-0.364 χ^2/NDF : 6565.5/9

20.231+/-0.544 χ^2/NDF : 327.4/3

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -6.516 ± 0.346 χ^2/NDF : 1126.0/5

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

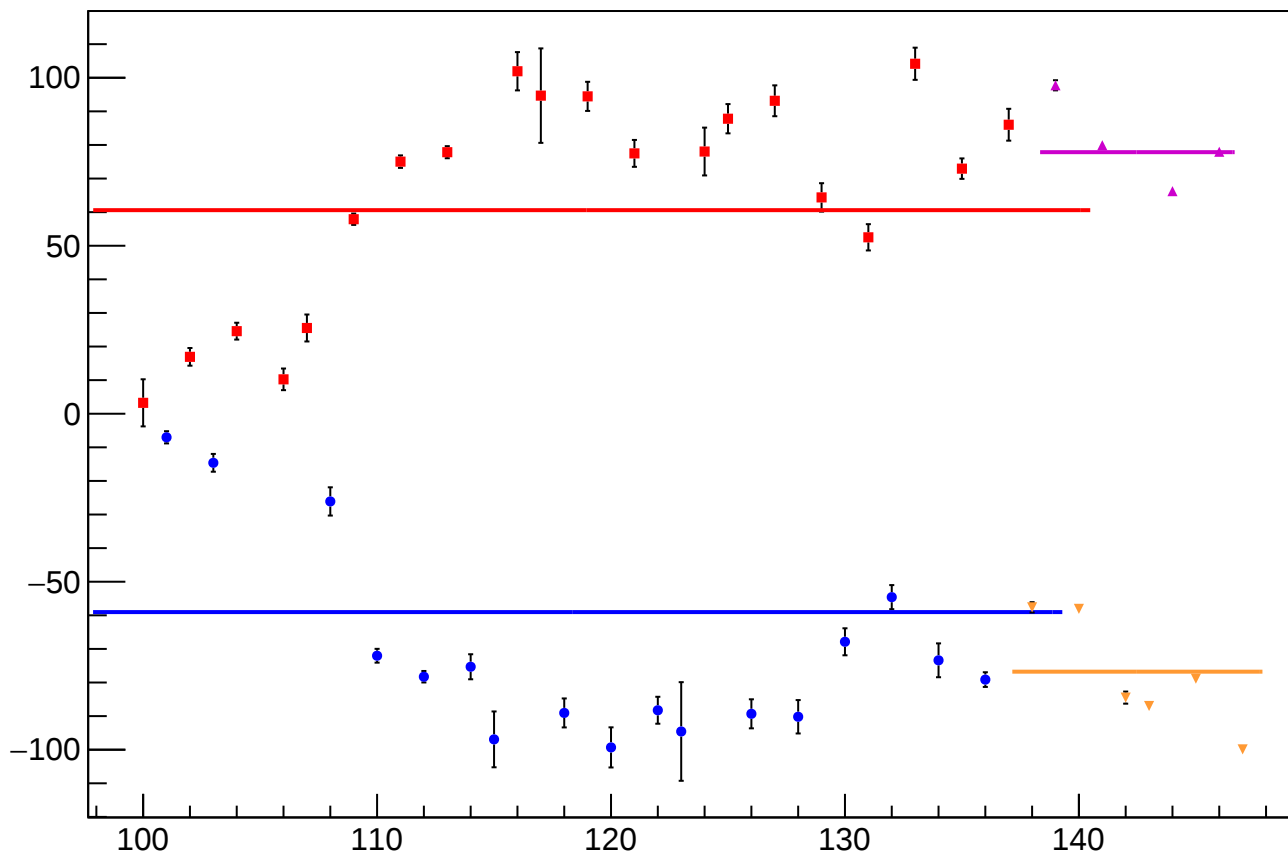
Left In: 7.976 ± 0.395 χ^2/NDF : 801.2/3

-6.975 ± 0.269 χ^2/NDF : 2106.5/22

-0.496 ± 0.197 χ^2/NDF : 5471.0/46

7.034 ± 0.290 χ^2/NDF : 2113.7/23

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039+/-0.746 χ^2/NDF : 1709.5/16

Left Out: -76.772+/-0.512 χ^2/NDF : 902.9/5

Right Out: 60.593+/-0.704 χ^2/NDF : 1390.7/19

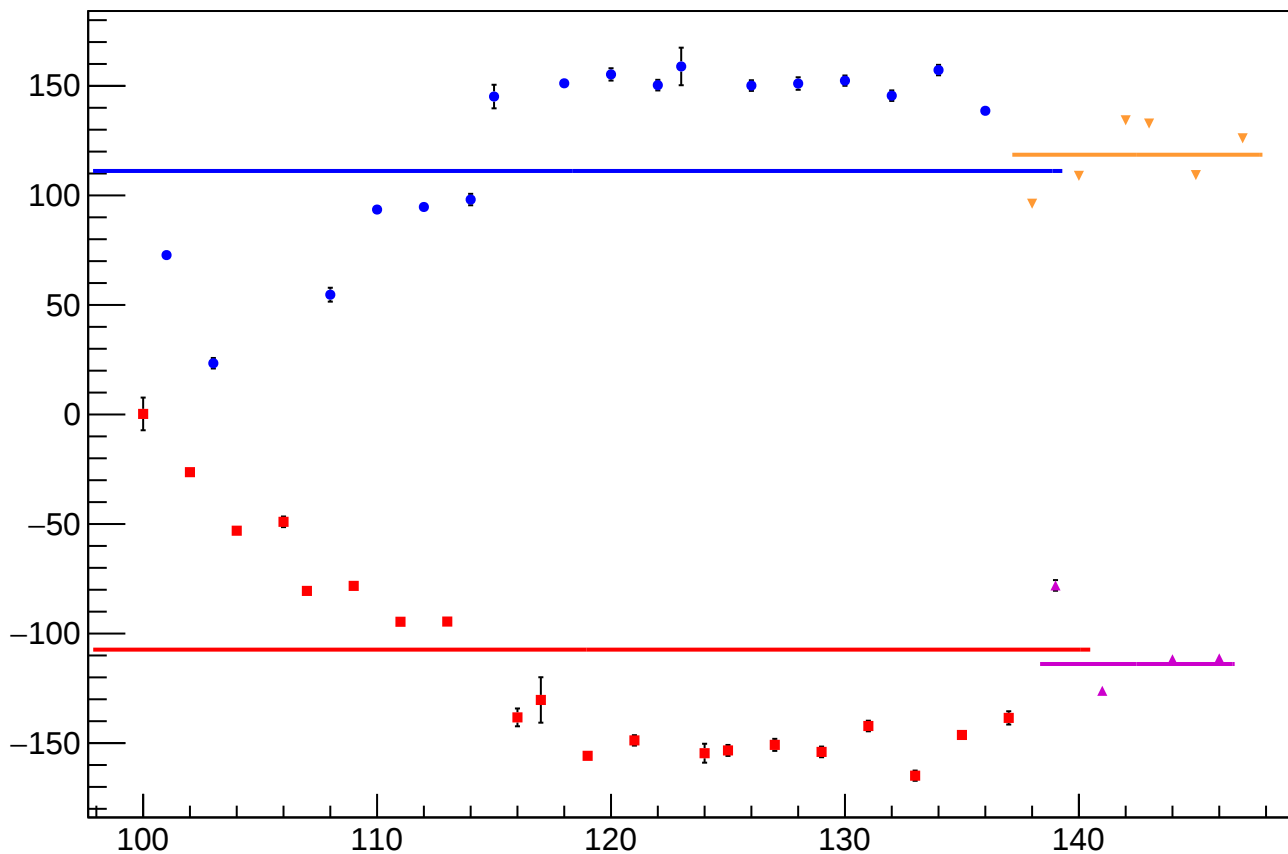
Left In: 77.854+/-0.561 χ^2/NDF : 296.5/3

-71.089+/-0.422 χ^2/NDF : 2996.7/22

-2.739+/-0.304 χ^2/NDF : 59608.4/46

71.138+/-0.439 χ^2/NDF : 2055.0/23

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 +/- 0.489 χ^2/NDF : 5877.6/16

Left Out: 118.575 +/- 0.426 χ^2/NDF : 789.8/5

Right Out: -107.334 +/- 0.487 χ^2/NDF : 7060.0/19

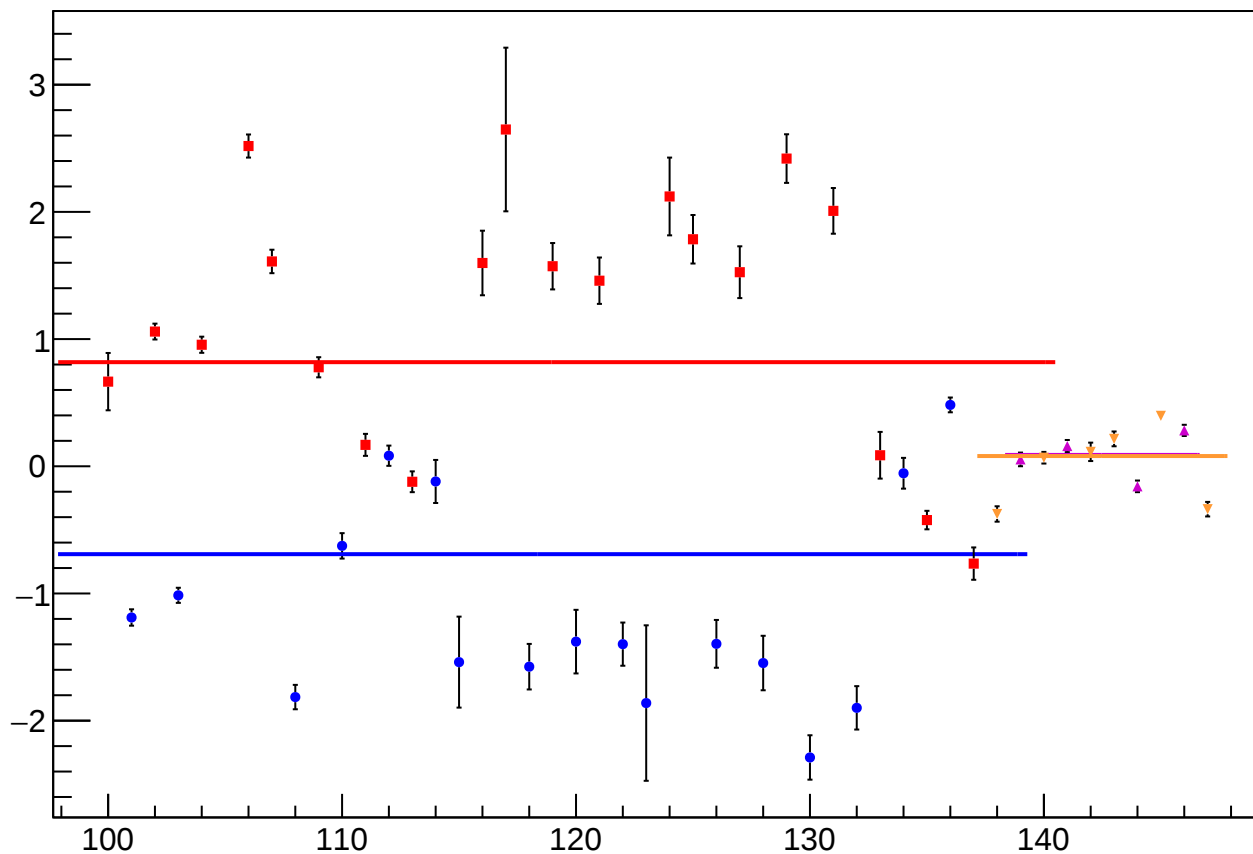
Left In: -113.892 +/- 0.477 χ^2/NDF : 399.8/3

115.372 +/- 0.321 χ^2/NDF : 6798.0/22

8.989 +/- 0.234 χ^2/NDF : 247171.1/46

-110.681 +/- 0.341 χ^2/NDF : 7552.3/23

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691±/0.026 χ^2/NDF : 990.9/16

Left Out: 0.080±/0.021 χ^2/NDF :182.7/5

Right Out: 0.819±/0.024 χ^2/NDF : 1312.5/19

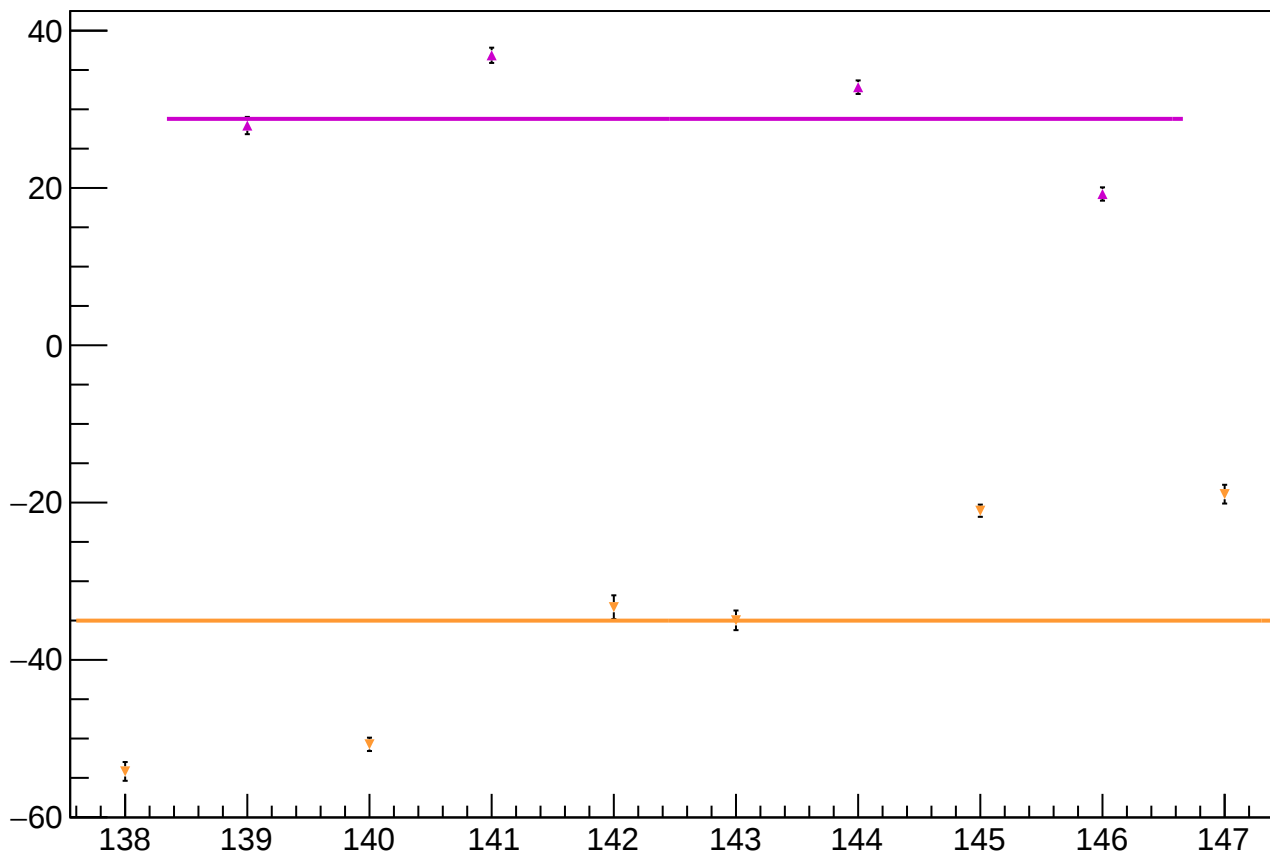
Left In: 0.089±/0.024 χ^2/NDF :50.9/3

-0.231±/0.016 χ^2/NDF : 1705.5/22

0.095±/0.012 χ^2/NDF : 4347.3/46

0.444±/0.017 χ^2/NDF : 1824.1/23

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.008 $\pm$ 0.425 χ^2 /NDF:1107.1/5

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

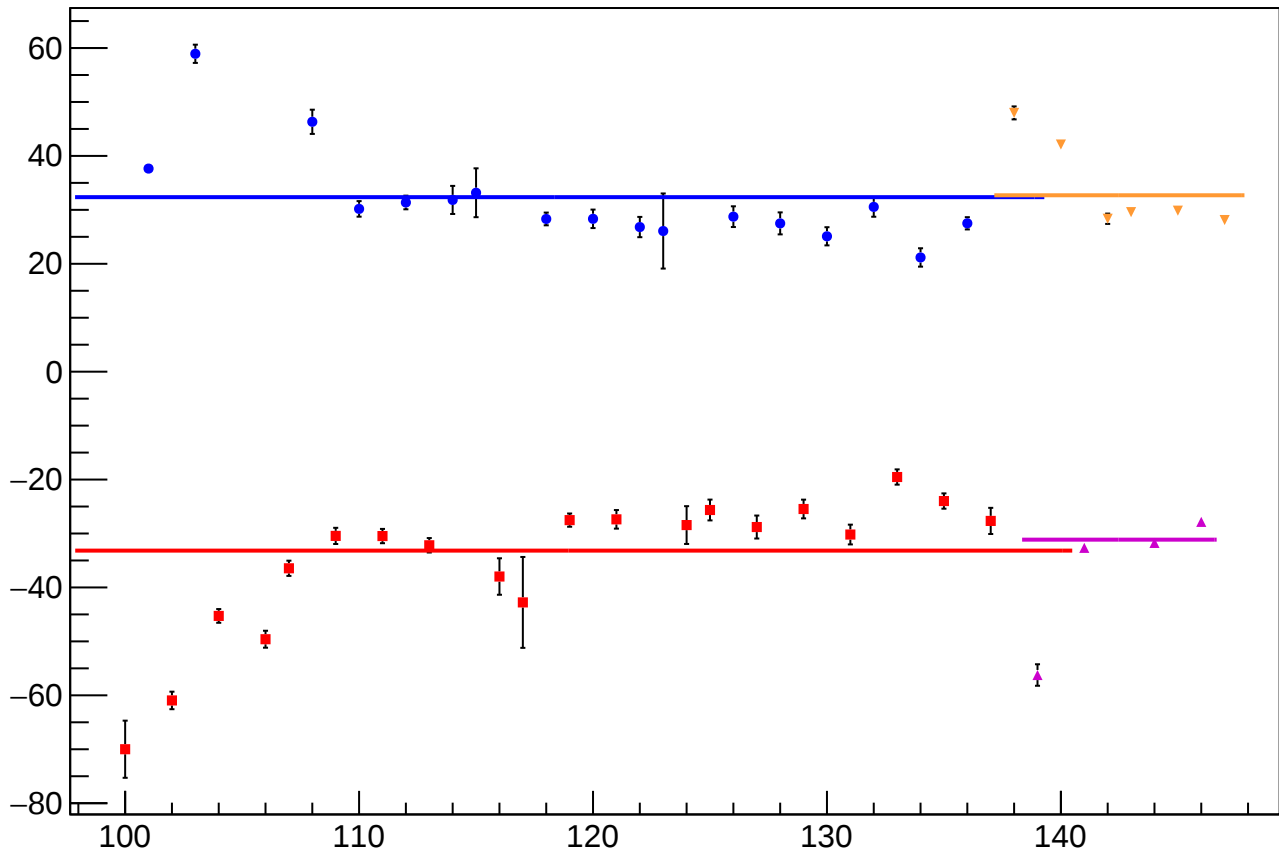
Left In: 28.786 $\pm$ 0.465 χ^2 /NDF:218.9/3

-35.008 $\pm$ 0.425 χ^2 /NDF: 1107.1/5

-5.911 $\pm$ 0.314 χ^2 /NDF: 11584.0/9

28.786 $\pm$ 0.465 χ^2 /NDF: 218.9/3

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 32.704+/-0.307 χ^2/NDF : 460.7/5

Right Out: -33.172+/-0.378 χ^2/NDF : 773.3/19

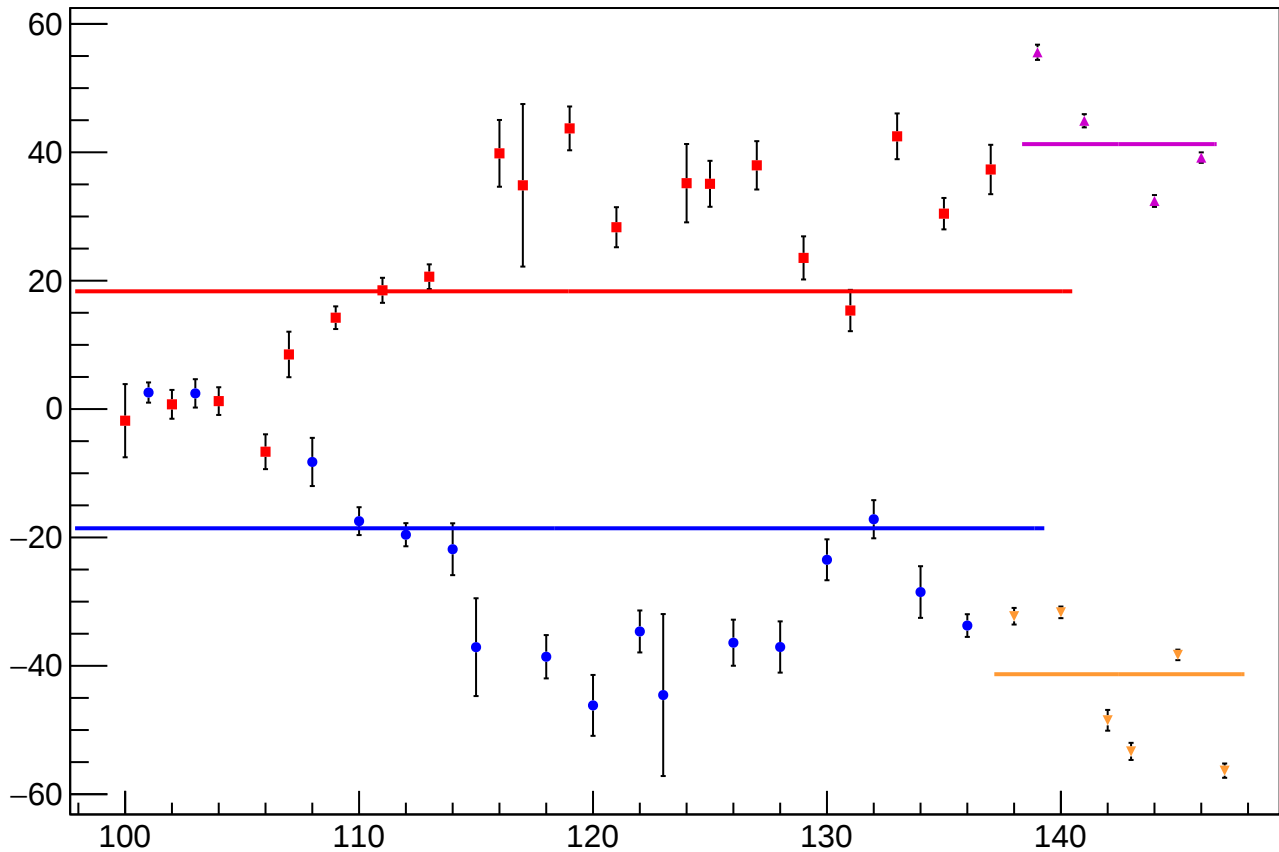
Left In: -31.141+/-0.347 χ^2/NDF : 200.6/3

32.564+/-0.237 χ^2/NDF : 911.7/22

2.643+/-0.174 χ^2/NDF : 36202.8/46

-32.068+/-0.256 χ^2/NDF : 989.5/23

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -41.305 ± 0.445 χ^2/NDF : 458.6/5

Right Out: 18.343 ± 0.643 χ^2/NDF : 475.1/19

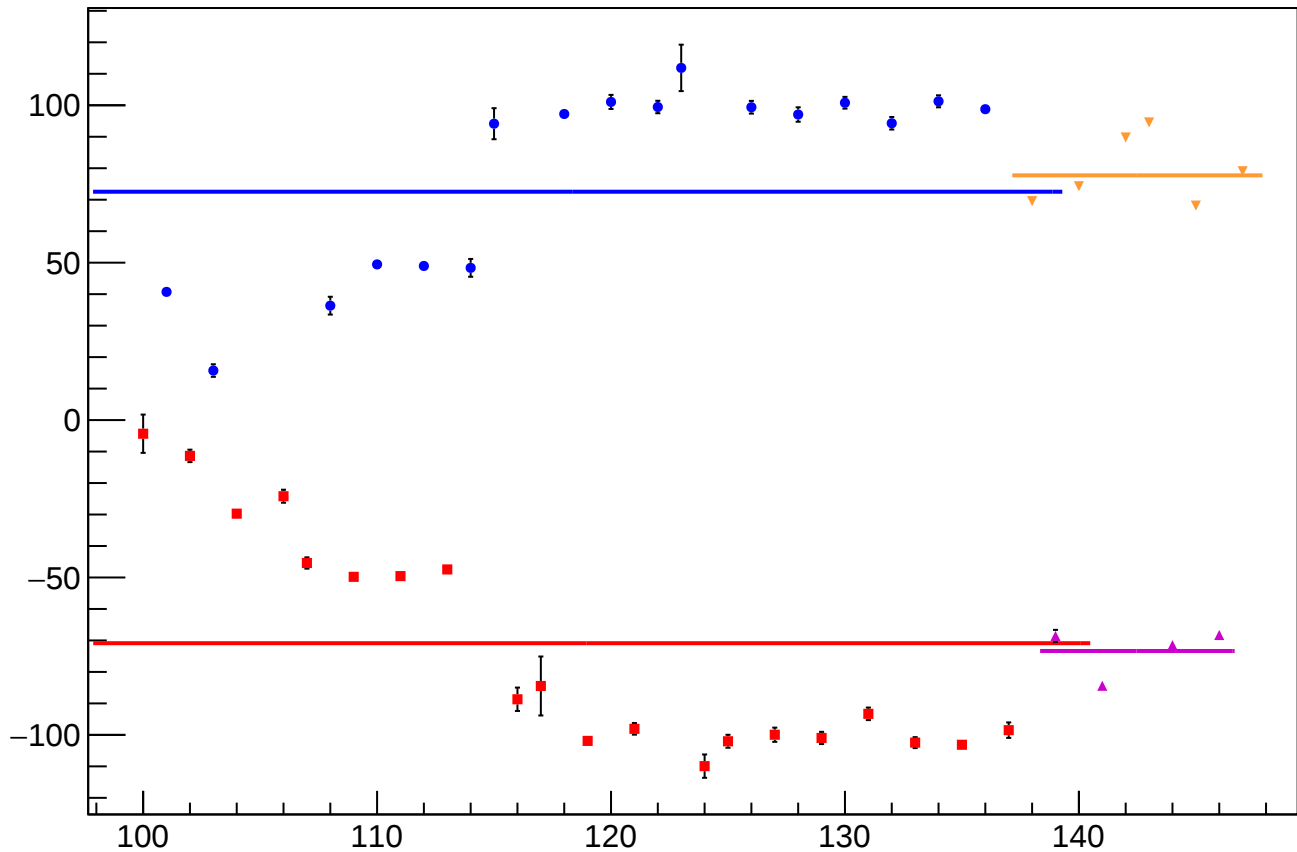
Left In: 41.275 ± 0.481 χ^2/NDF : 256.6/3

-34.316 ± 0.370 χ^2/NDF : 1773.5/22

-1.951 ± 0.267 χ^2/NDF : 19241.8/46

33.057 ± 0.385 χ^2/NDF : 1547.8/23

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 77.733+/-0.376 χ^2/NDF : 595.0/5

Right Out: -70.878+/-0.433 χ^2/NDF : 5502.3/19

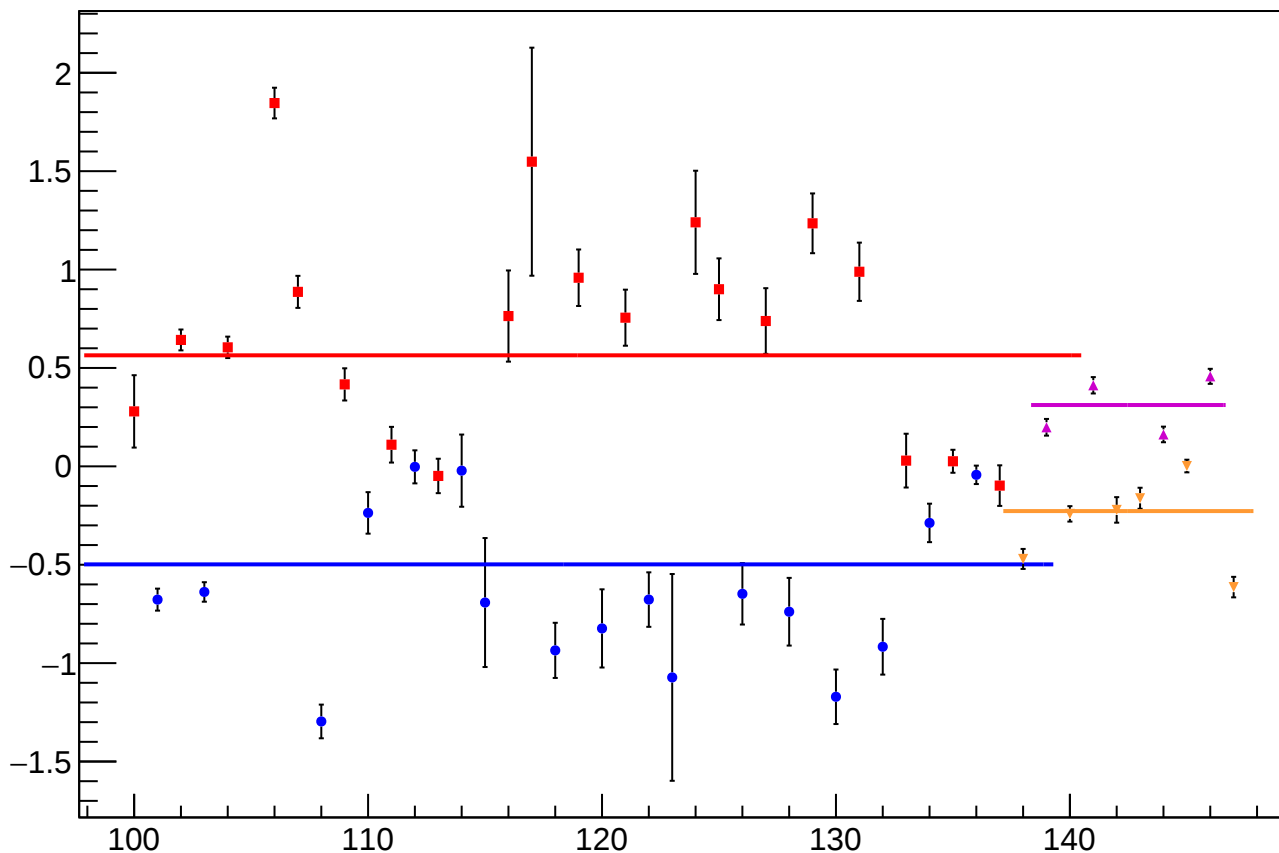
Left In: -73.349+/-0.416 χ^2/NDF : 245.4/3

75.473+/-0.282 χ^2/NDF : 5362.3/22

6.065+/-0.206 χ^2/NDF : 139555.5/46

-72.162+/-0.300 χ^2/NDF : 5764.7/23

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.227 ± 0.018 χ^2/NDF : 130.1/5

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

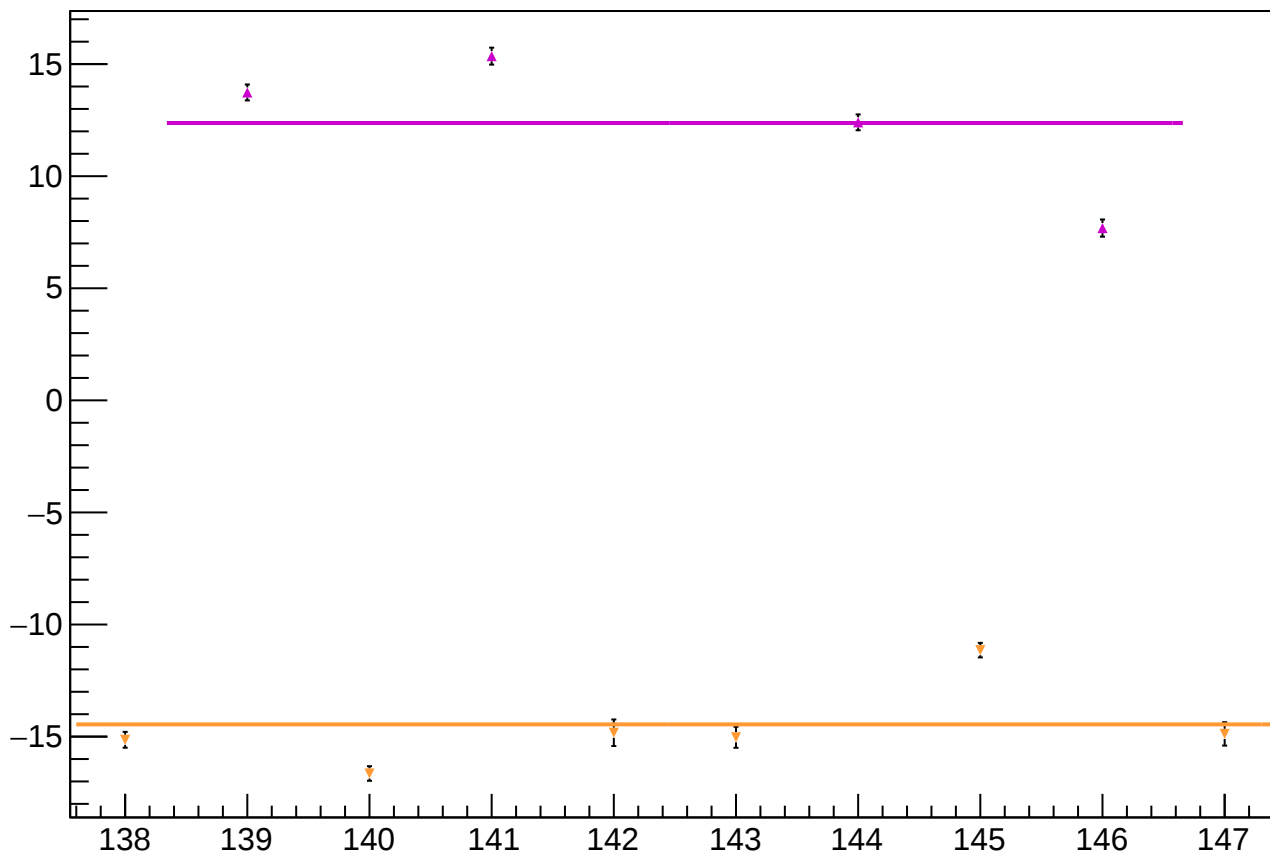
Left In: 0.312 ± 0.020 χ^2/NDF : 41.7/3

-0.337 ± 0.014 χ^2/NDF : 520.5/22

0.034 ± 0.010 χ^2/NDF : 2610.0/46

0.430 ± 0.015 χ^2/NDF : 679.0/23

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.454+/-0.162 χ^2/NDF :155.8/5

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

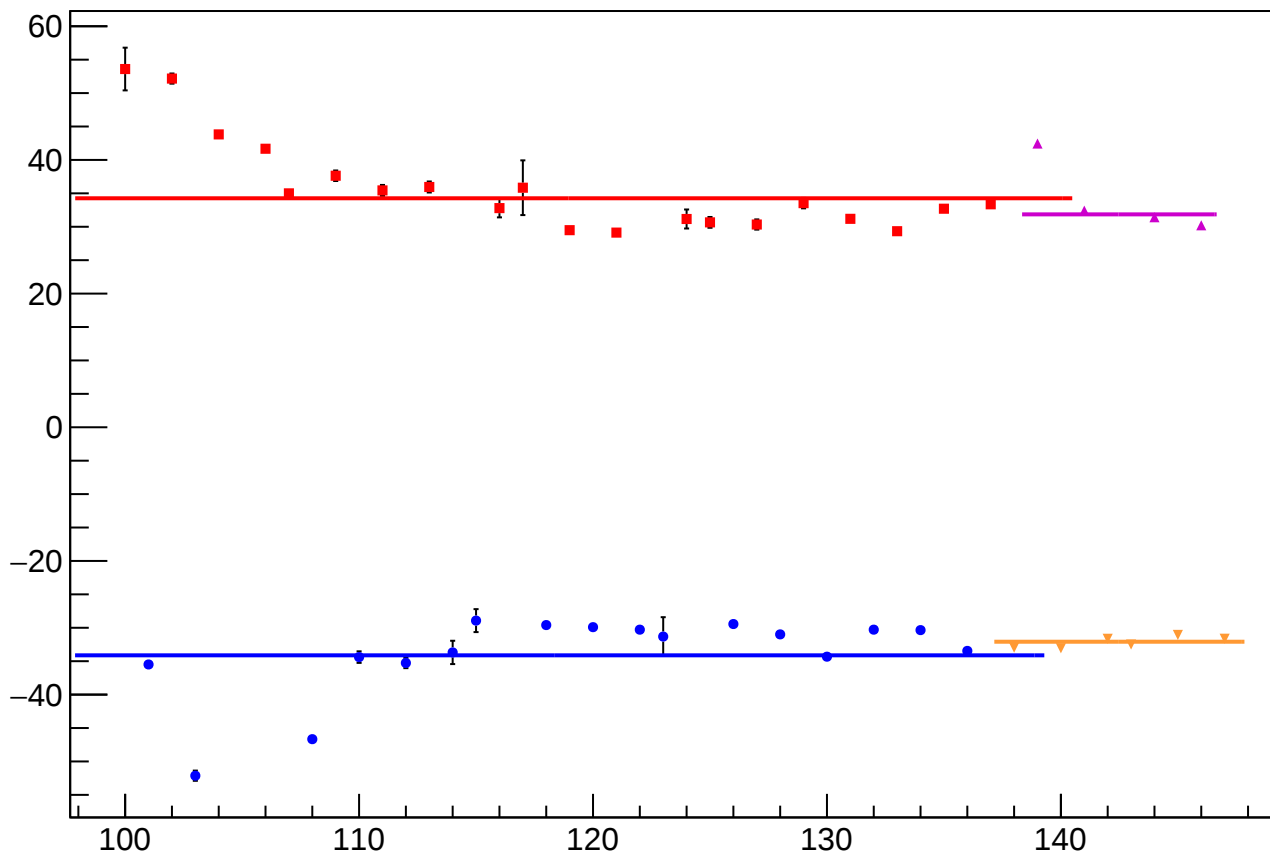
Left In: 12.372+/-0.183 χ^2/NDF :226.5/3

-14.454+/-0.162 χ^2/NDF : 155.8/5

-2.681+/-0.121 χ^2/NDF : 12387.6/9

12.372+/-0.183 χ^2/NDF : 226.5/3

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -32.087 ± 0.121 $\chi^2/\text{NDF}: 40.0/5$

Right Out: 34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

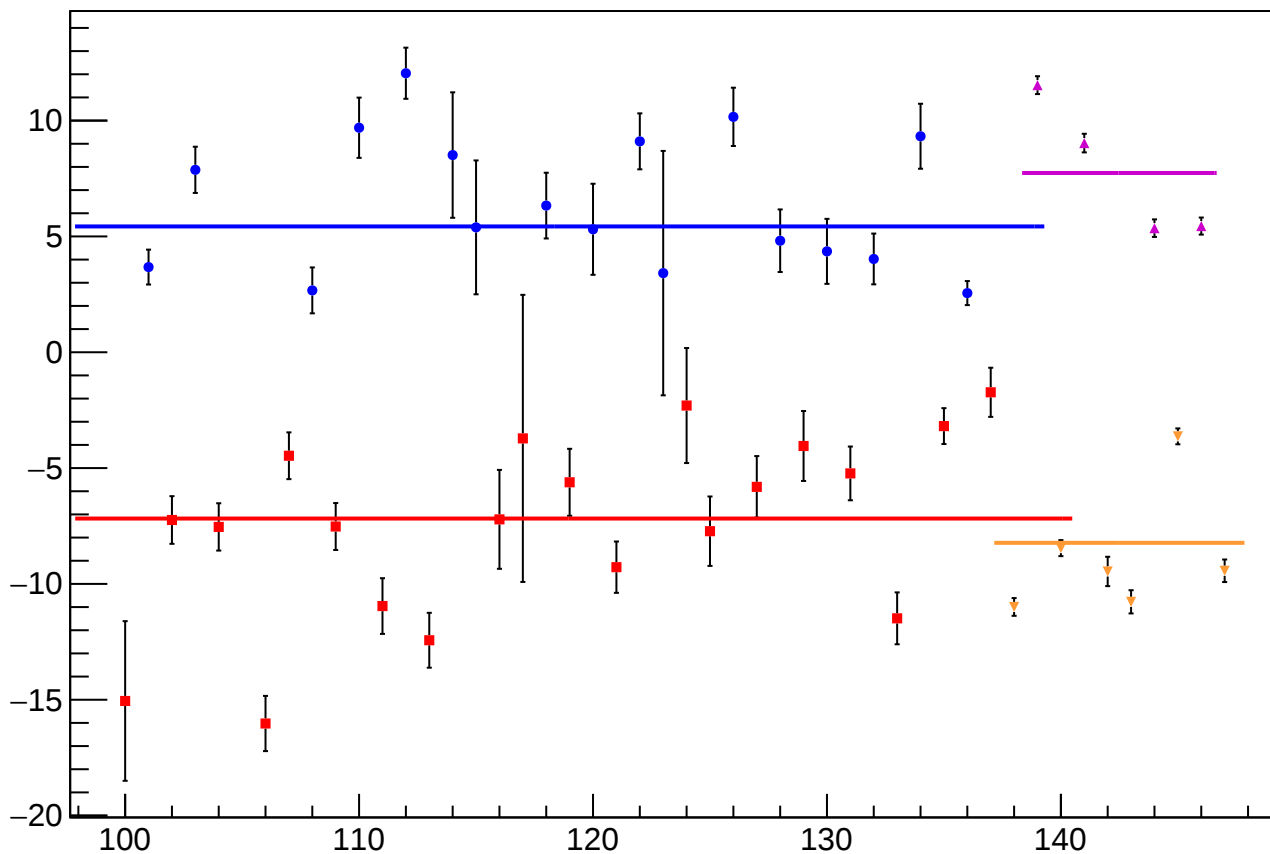
Left In: 31.854 ± 0.144 $\chi^2/\text{NDF}: 325.2/3$

-32.880 ± 0.095 $\chi^2/\text{NDF}: 1472.1/22$

-3.046 ± 0.070 $\chi^2/\text{NDF}: 222081.6/46$

33.005 ± 0.104 $\chi^2/\text{NDF}: 1813.5/23$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.227 ± 0.171 χ^2/NDF : 267.9/5

Right Out: -7.178 ± 0.274 χ^2/NDF : 182.4/19

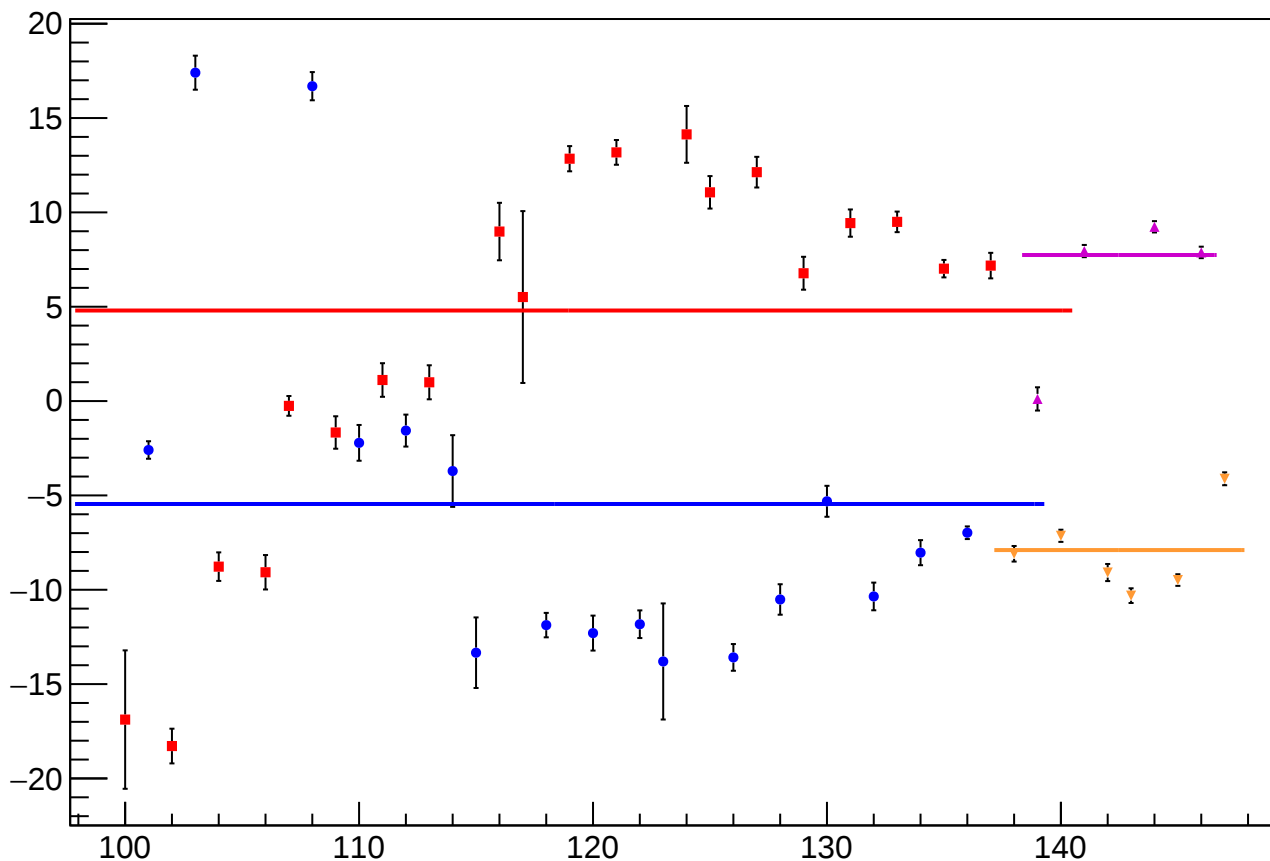
Left In: 7.739 ± 0.191 χ^2/NDF : 185.5/3

-4.335 ± 0.144 χ^2/NDF : 2224.1/22

-1.042 ± 0.106 χ^2/NDF : 5717.9/46

2.851 ± 0.157 χ^2/NDF : 2358.1/23

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455+/-0.171 χ^2 /NDF: 2096.5/16

Left Out: -7.897+/-0.147 χ^2 /NDF:199.6/5

Right Out: 4.799+/-0.173 χ^2 /NDF: 2047.5/19

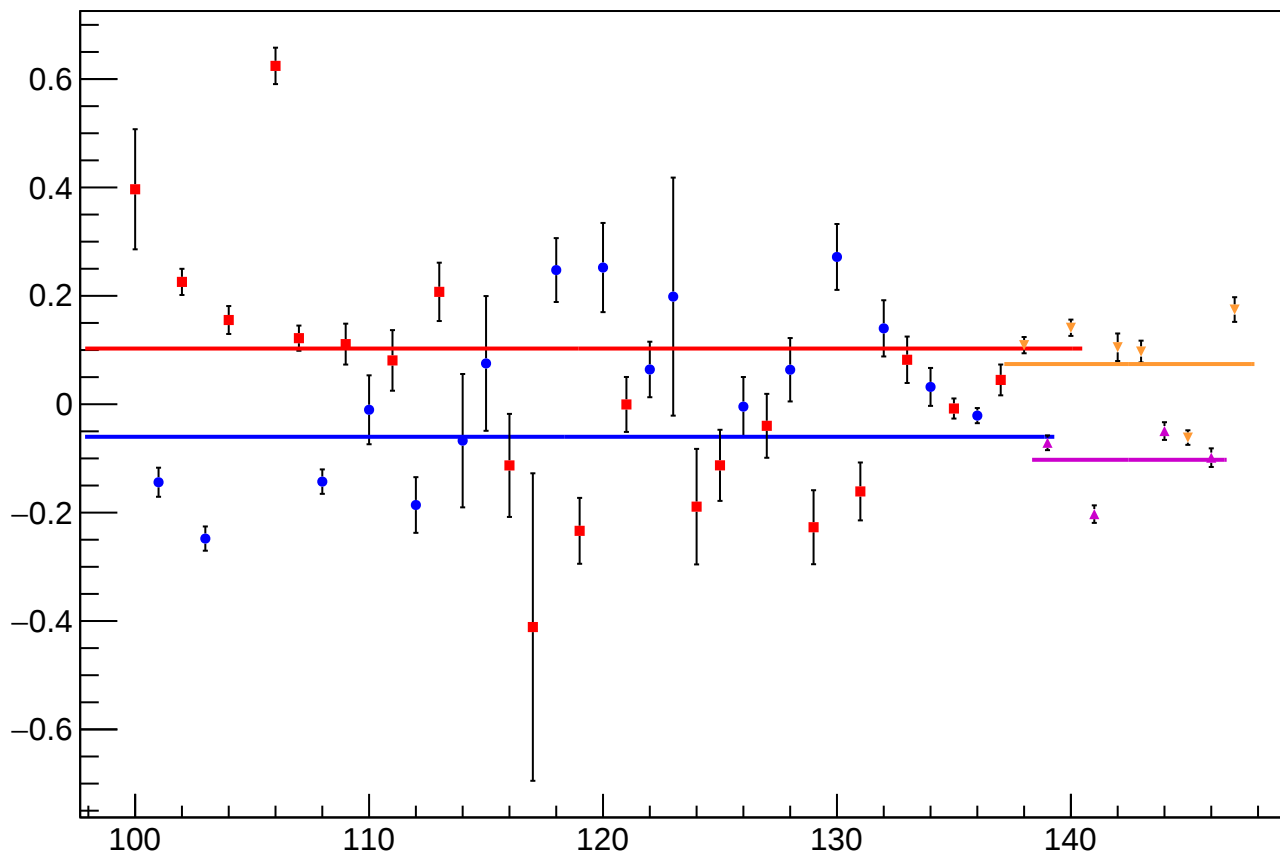
Left In: 7.741+/-0.171 χ^2 /NDF:178.6/3

-6.854+/-0.112 χ^2 /NDF: 2413.1/22

-0.851+/-0.082 χ^2 /NDF: 11112.2/46

6.282+/-0.122 χ^2 /NDF: 2372.2/23

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.074 ± 0.007 χ^2/NDF : 149.4/5

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

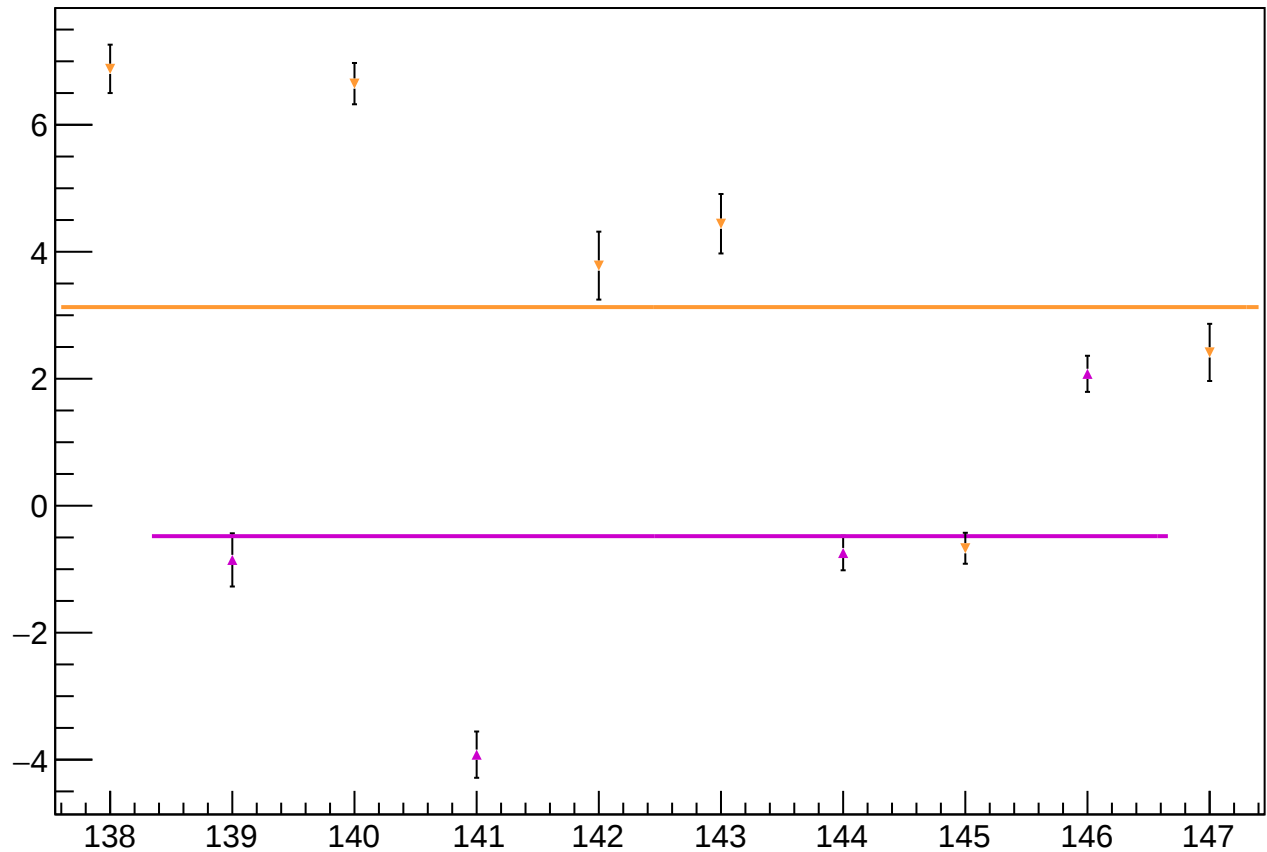
Left In: -0.103 ± 0.008 χ^2/NDF : 54.3/3

0.019 ± 0.005 χ^2/NDF : 515.3/22

0.007 ± 0.004 χ^2/NDF : 1337.5/46

-0.008 ± 0.006 χ^2/NDF : 810.5/23

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 3.128 $\pm$ 0.147 χ^2 /NDF: 468.6/5

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

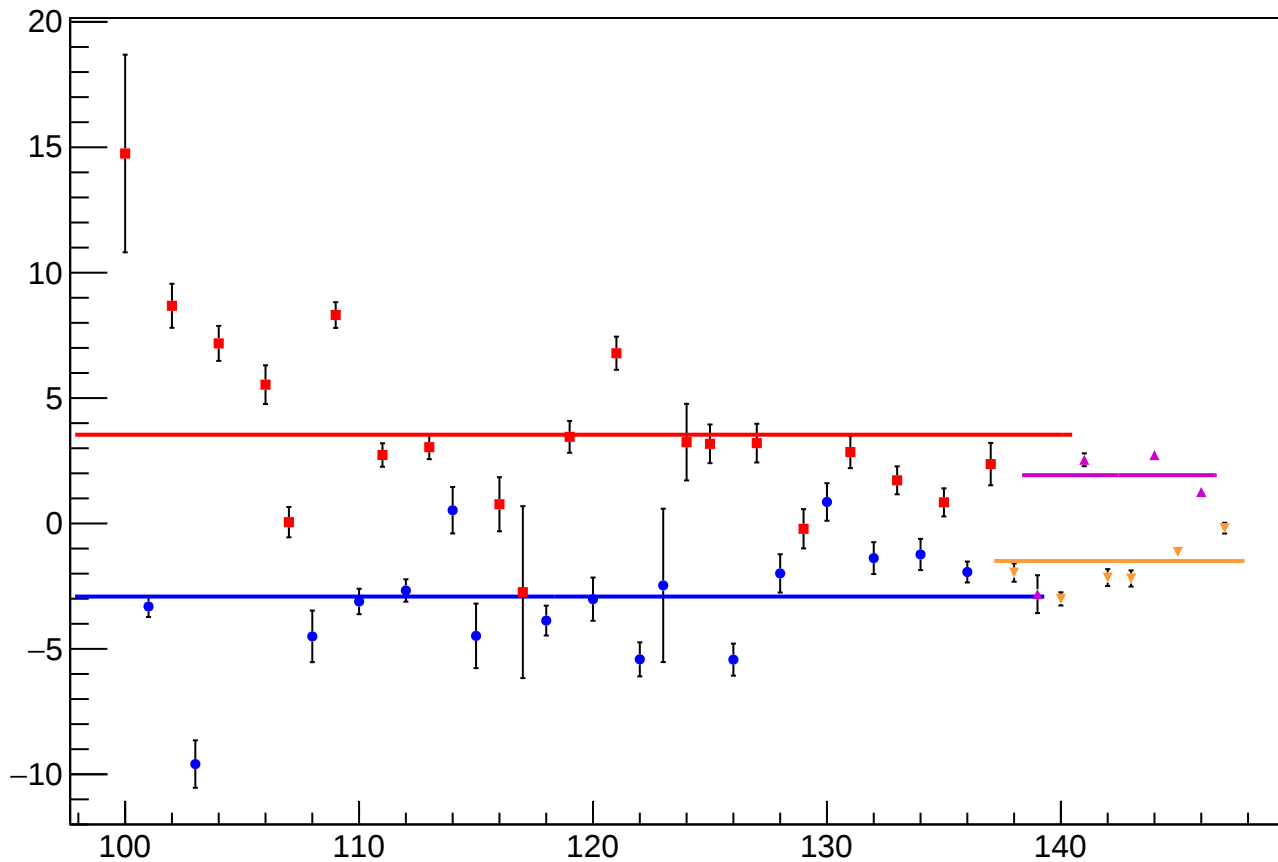
Left In: -0.480 $\pm$ 0.160 χ^2 /NDF: 171.6/3

3.128 $\pm$ 0.147 χ^2 /NDF: 468.6/5

1.475 $\pm$ 0.108 χ^2 /NDF: 915.4/9

-0.480 $\pm$ 0.160 χ^2 /NDF: 171.6/3

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.494 ± 0.106 χ^2/NDF : 84.0/5

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

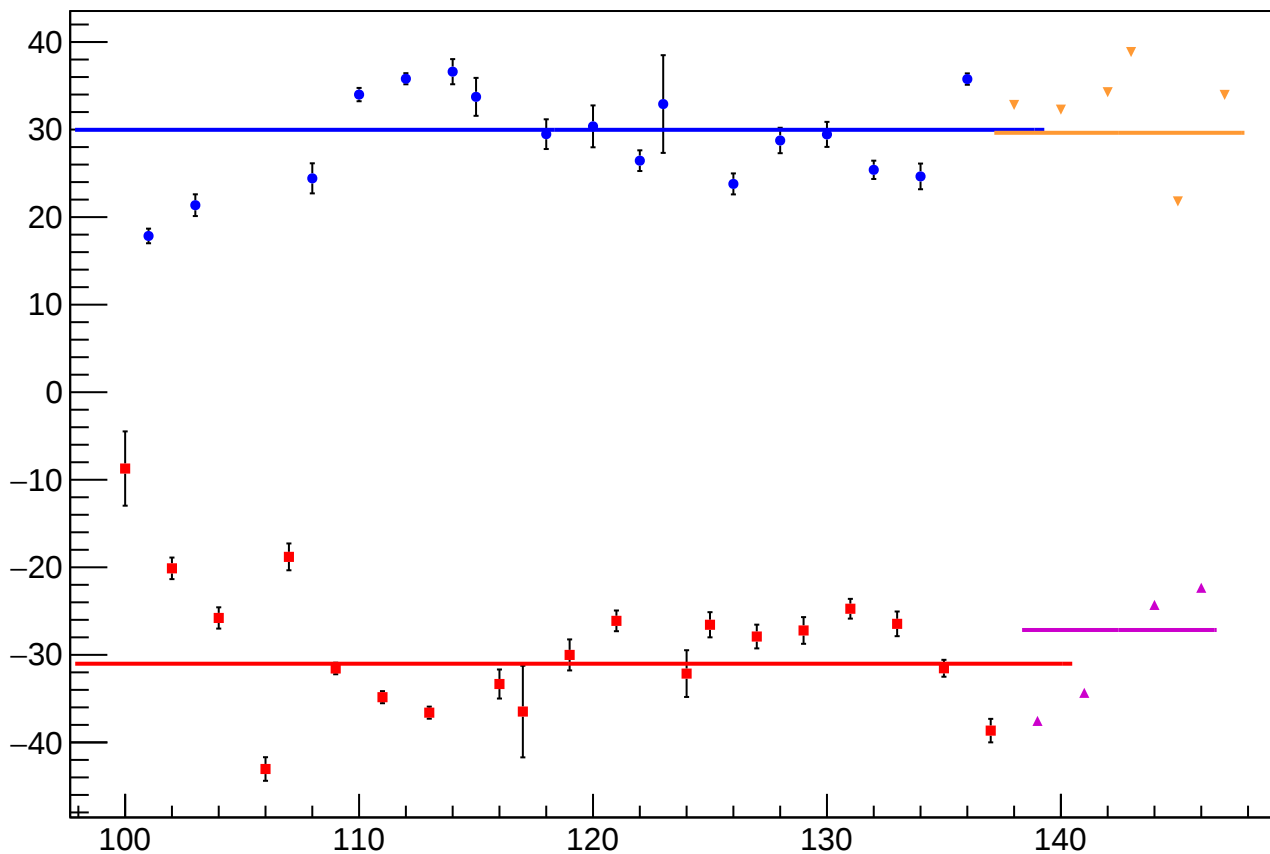
Left In: 1.926 ± 0.115 χ^2/NDF : 76.7/3

-1.950 ± 0.088 χ^2/NDF : 287.2/22

0.166 ± 0.064 χ^2/NDF : 1951.9/46

2.500 ± 0.092 χ^2/NDF : 441.3/23

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 29.632 ± 0.155 $\chi^2/\text{NDF}: 1540.4/5$

Right Out: -31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

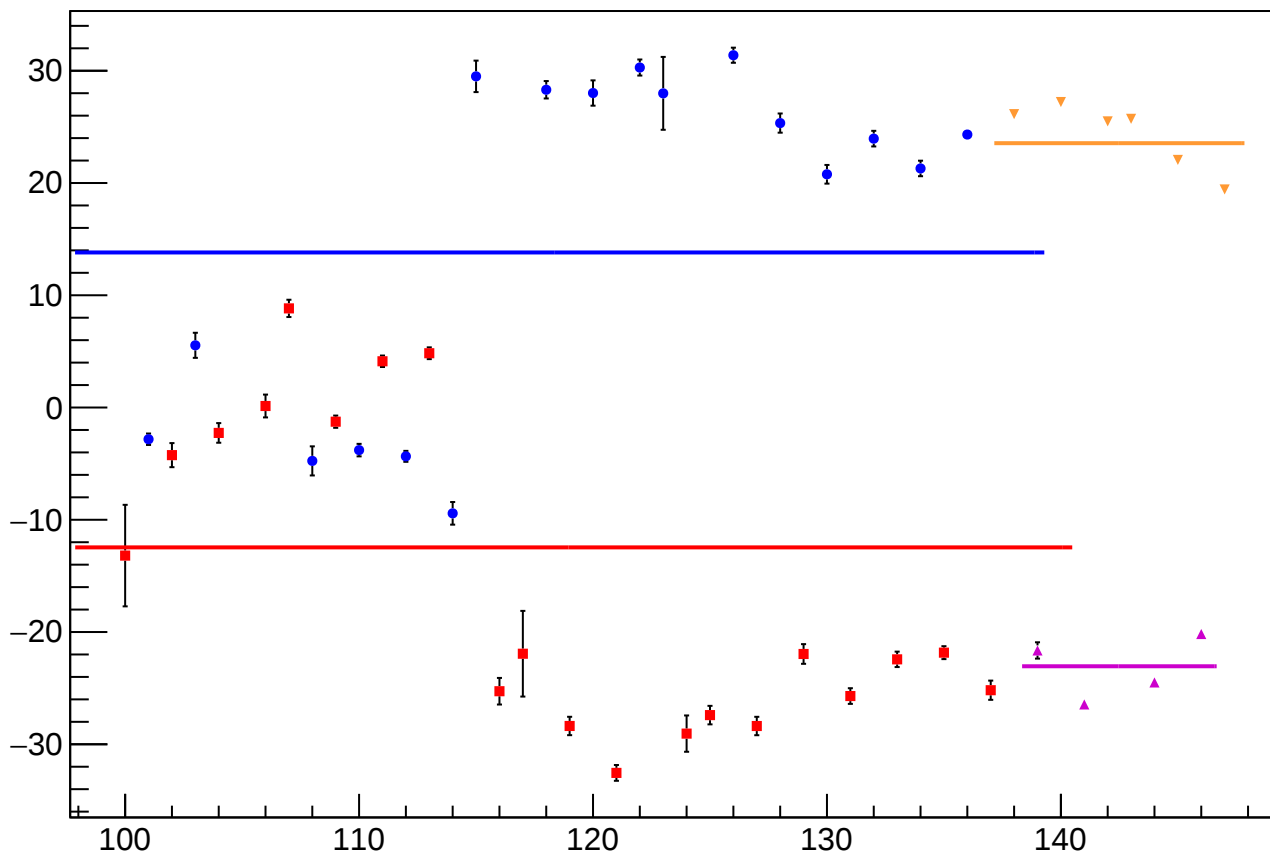
Left In: -27.159 ± 0.165 $\chi^2/\text{NDF}: 1275.1/3$

29.718 ± 0.134 $\chi^2/\text{NDF}: 2096.0/22$

1.884 ± 0.097 $\chi^2/\text{NDF}: 93977.0/46$

-28.269 ± 0.139 $\chi^2/\text{NDF}: 1912.3/23$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 23.548 $\pm$ 0.130 χ^2 /NDF: 462.4/5

Right Out: -12.460 $\pm$ 0.174 χ^2 /NDF: 6976.5/19

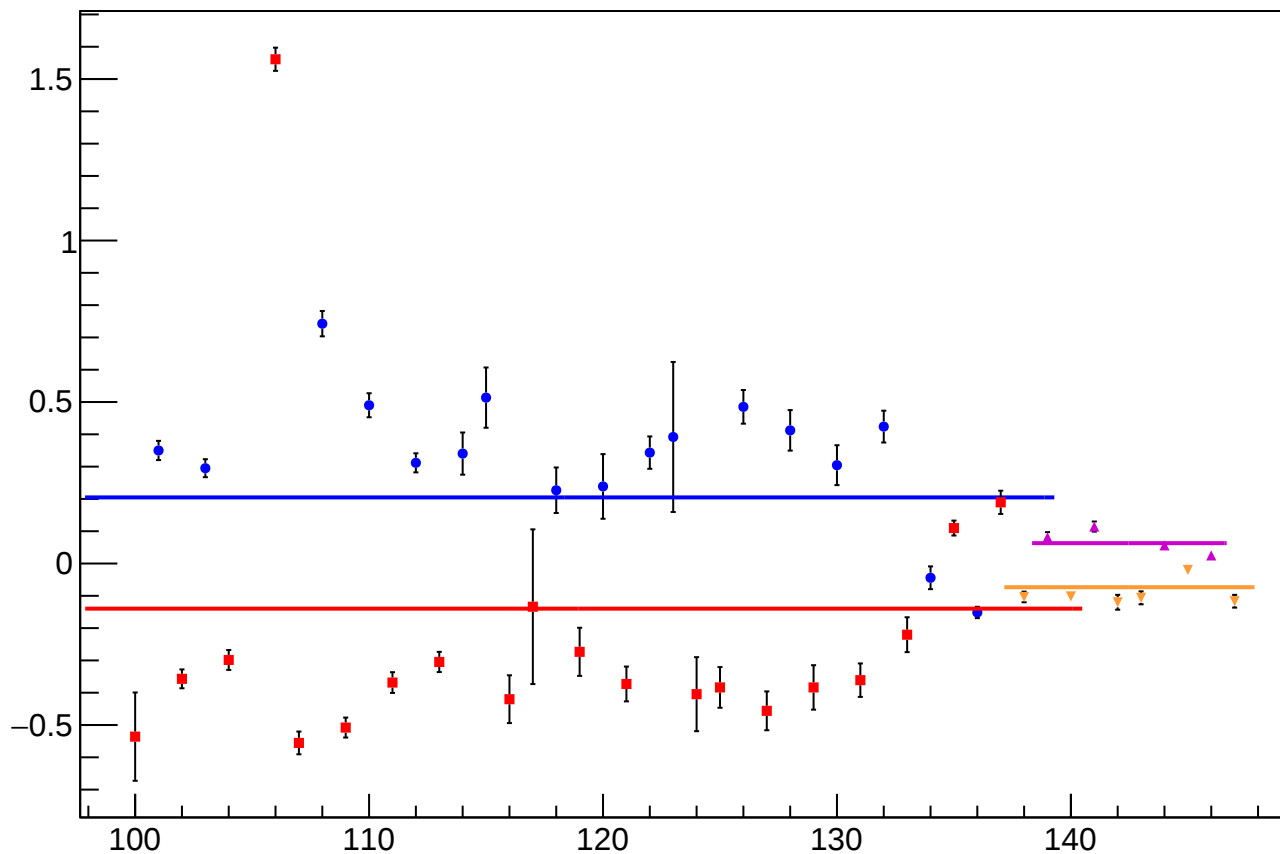
Left In: -23.051 $\pm$ 0.139 χ^2 /NDF: 332.1/3

20.023 $\pm$ 0.104 χ^2 /NDF: 9808.7/22

1.420 $\pm$ 0.075 χ^2 /NDF: 86452.4/46

-18.903 $\pm$ 0.109 χ^2 /NDF: 9574.2/23

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 845.8/16$

Left Out: -0.073 ± 0.006 $\chi^2/\text{NDF}: 46.2/5$

Right Out: -0.140 ± 0.009 $\chi^2/\text{NDF}: 3014.2/19$

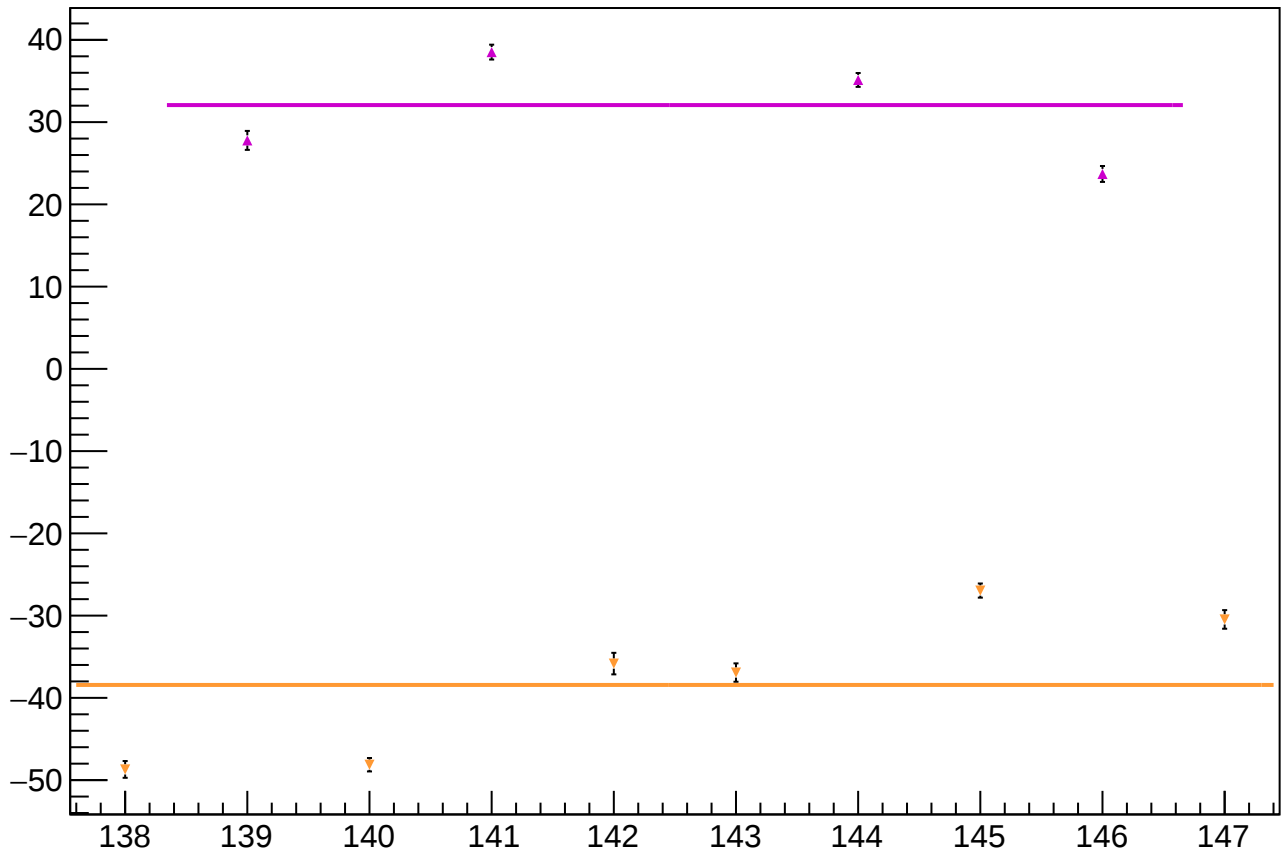
Left In: 0.063 ± 0.007 $\chi^2/\text{NDF}: 21.3/3$

0.014 ± 0.005 $\chi^2/\text{NDF}: 1494.2/22$

0.002 ± 0.004 $\chi^2/\text{NDF}: 4848.7/46$

-0.011 ± 0.006 $\chi^2/\text{NDF}: 3343.5/23$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.429+/-0.409 χ^2/NDF : 475.7/5

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

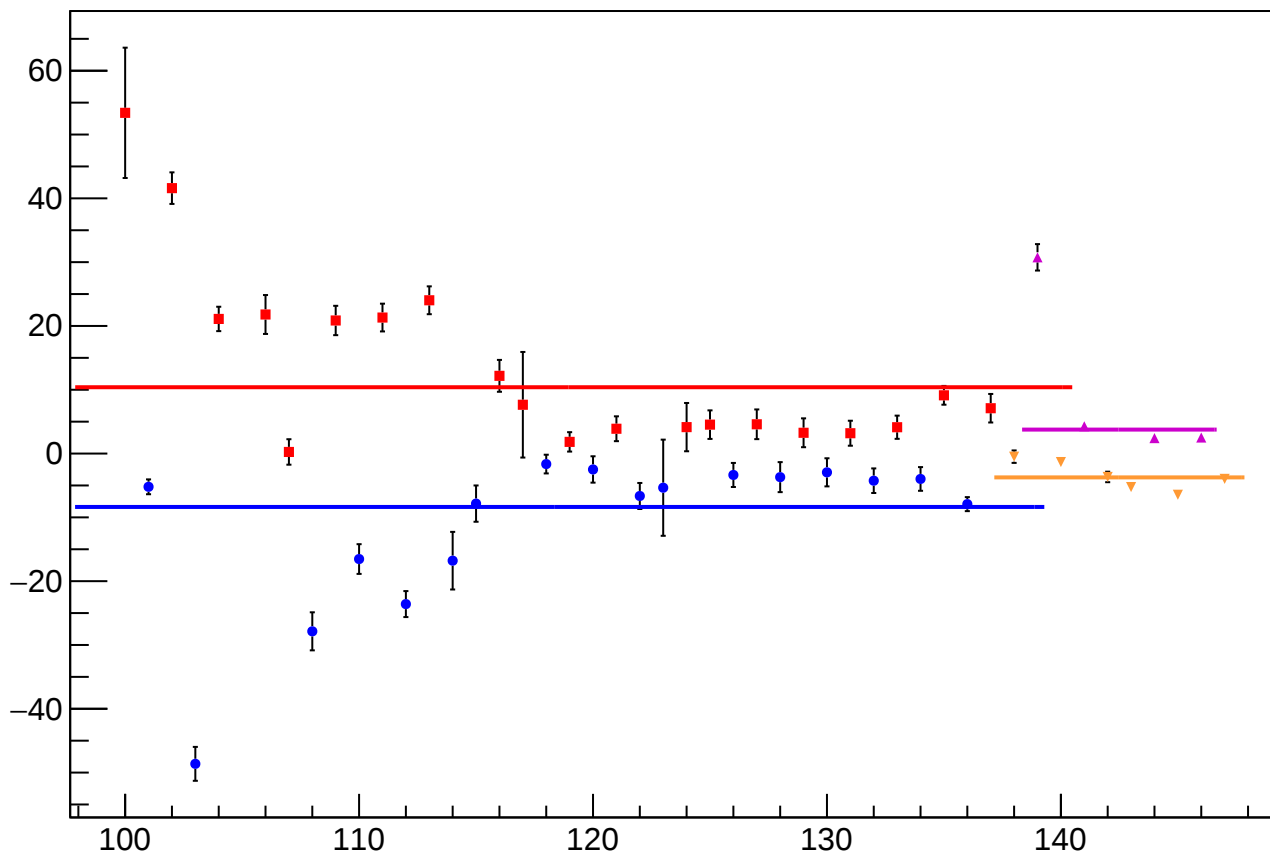
Left In: 32.072+/-0.474 χ^2/NDF : 152.7/3

-38.429+/-0.409 χ^2/NDF : 475.7/5

-8.347+/-0.310 χ^2/NDF : 13309.2/9

32.072+/-0.474 χ^2/NDF : 152.7/3

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -3.736 ± 0.288 $\chi^2/\text{NDF}: 43.7/5$

Right Out: 10.396 ± 0.490 $\chi^2/\text{NDF}: 430.4/19$

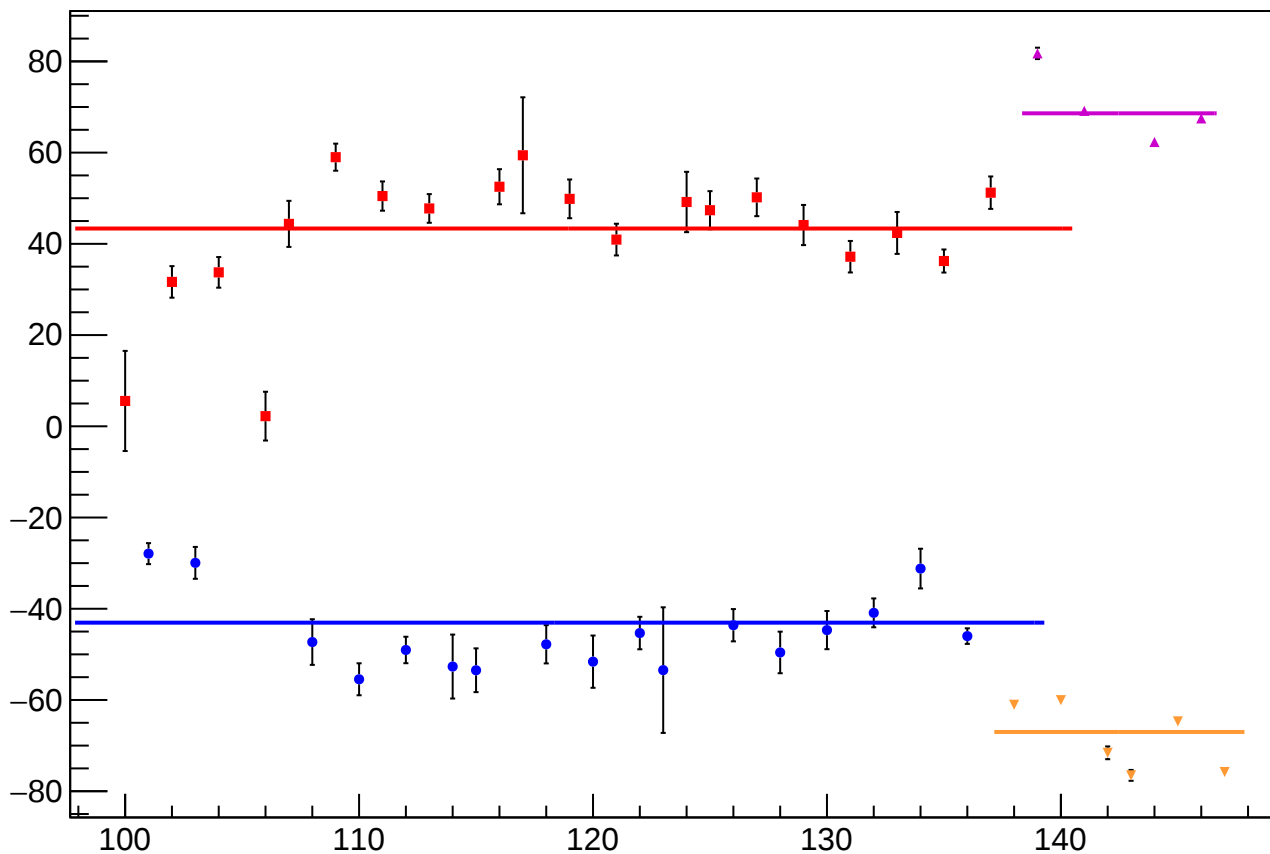
Left In: 3.757 ± 0.342 $\chi^2/\text{NDF}: 180.4/3$

-5.016 ± 0.245 $\chi^2/\text{NDF}: 523.9/22$

-0.279 ± 0.185 $\chi^2/\text{NDF}: 2122.0/46$

5.931 ± 0.281 $\chi^2/\text{NDF}: 734.2/23$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047±/0.837 χ^2/NDF : 99.0/16

Left Out: -67.012±/0.428 χ^2/NDF :243.4/5

Right Out: 43.357±/0.865 χ^2/NDF : 156.0/19

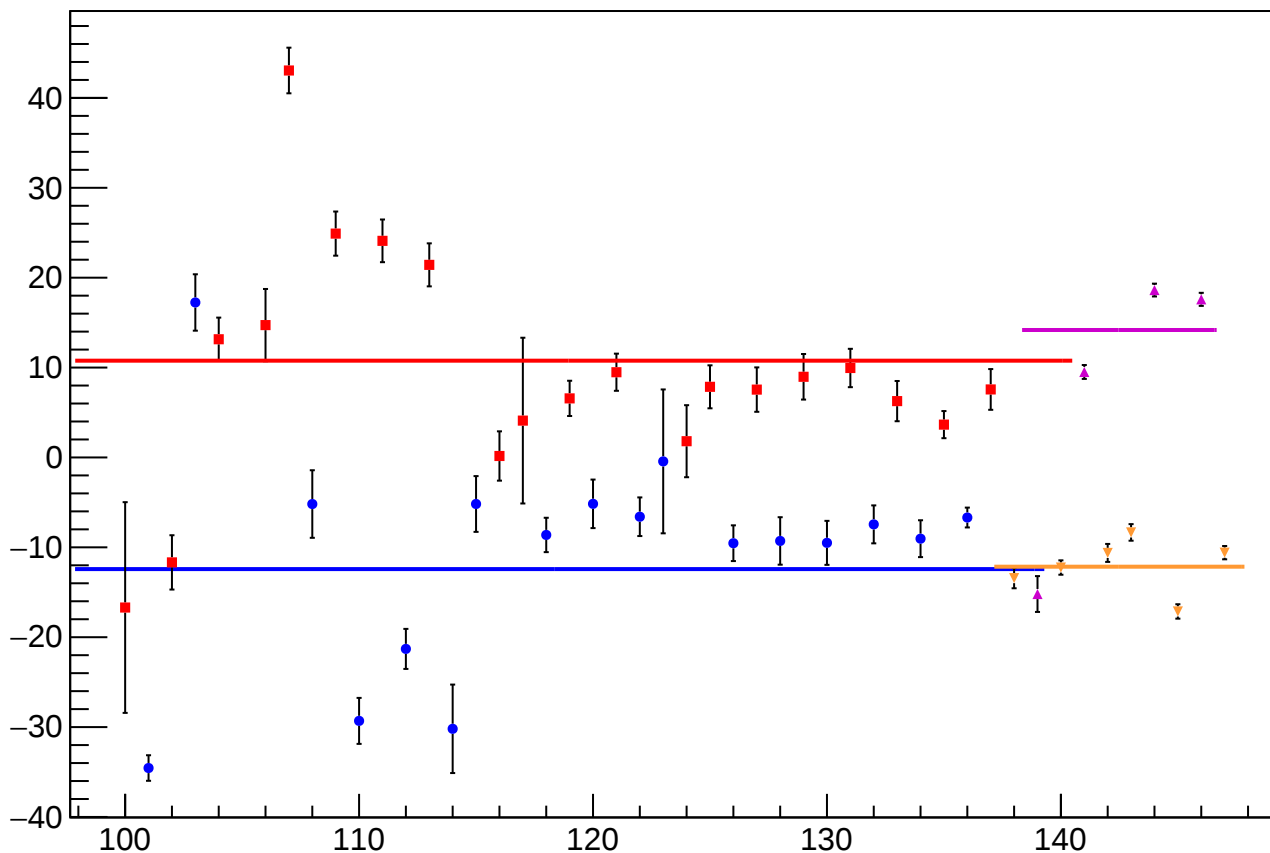
Left In: 68.613±/0.493 χ^2/NDF :161.0/3

-62.039±/0.381 χ^2/NDF : 991.7/22

-6.987±/0.285 χ^2/NDF : 49058.7/46

62.425±/0.428 χ^2/NDF : 960.4/23

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 $\chi^2/\text{NDF}: 474.4/16$

Left Out: -12.154 ± 0.356 $\chi^2/\text{NDF}: 63.6/5$

Right Out: 10.766 ± 0.553 $\chi^2/\text{NDF}: 366.3/19$

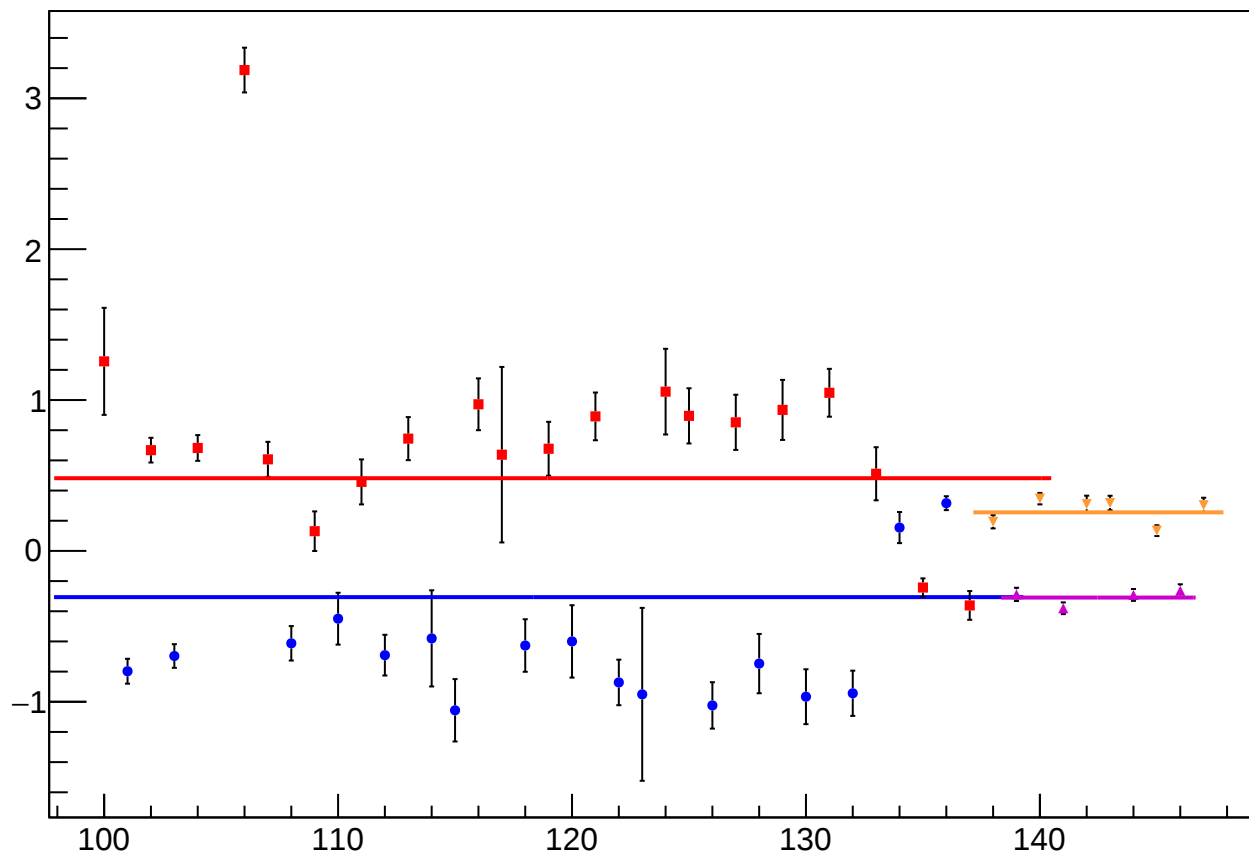
Left In: 14.180 ± 0.416 $\chi^2/\text{NDF}: 314.6/3$

-12.239 ± 0.294 $\chi^2/\text{NDF}: 538.2/22$

-1.167 ± 0.220 $\chi^2/\text{NDF}: 4464.1/46$

12.947 ± 0.332 $\chi^2/\text{NDF}: 705.3/23$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.256 ± 0.018 χ^2/NDF : 22.7/5

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

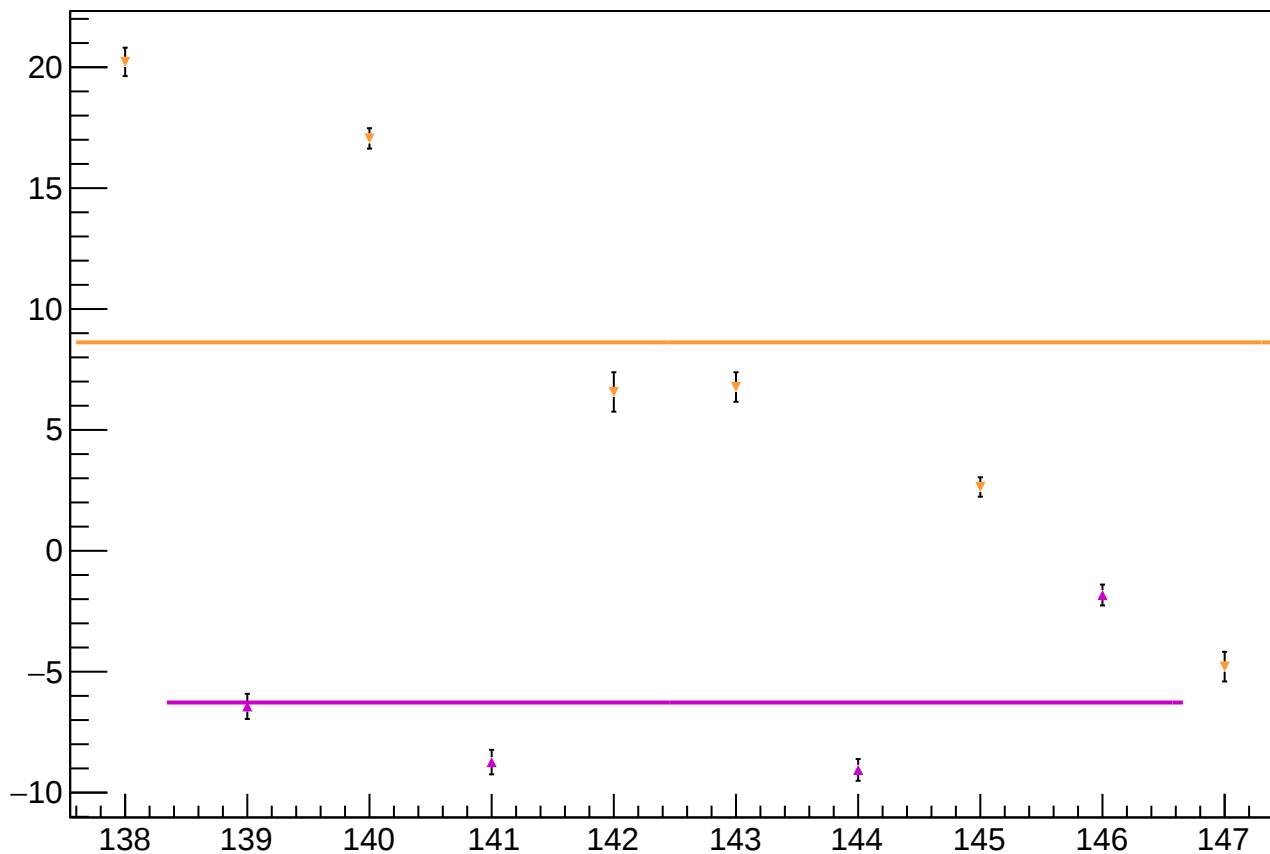
Left In: -0.309 ± 0.021 χ^2/NDF : 4.9/3

0.090 ± 0.015 χ^2/NDF : 687.3/22

0.032 ± 0.011 χ^2/NDF : 1859.3/46

-0.040 ± 0.017 χ^2/NDF : 1138.8/23

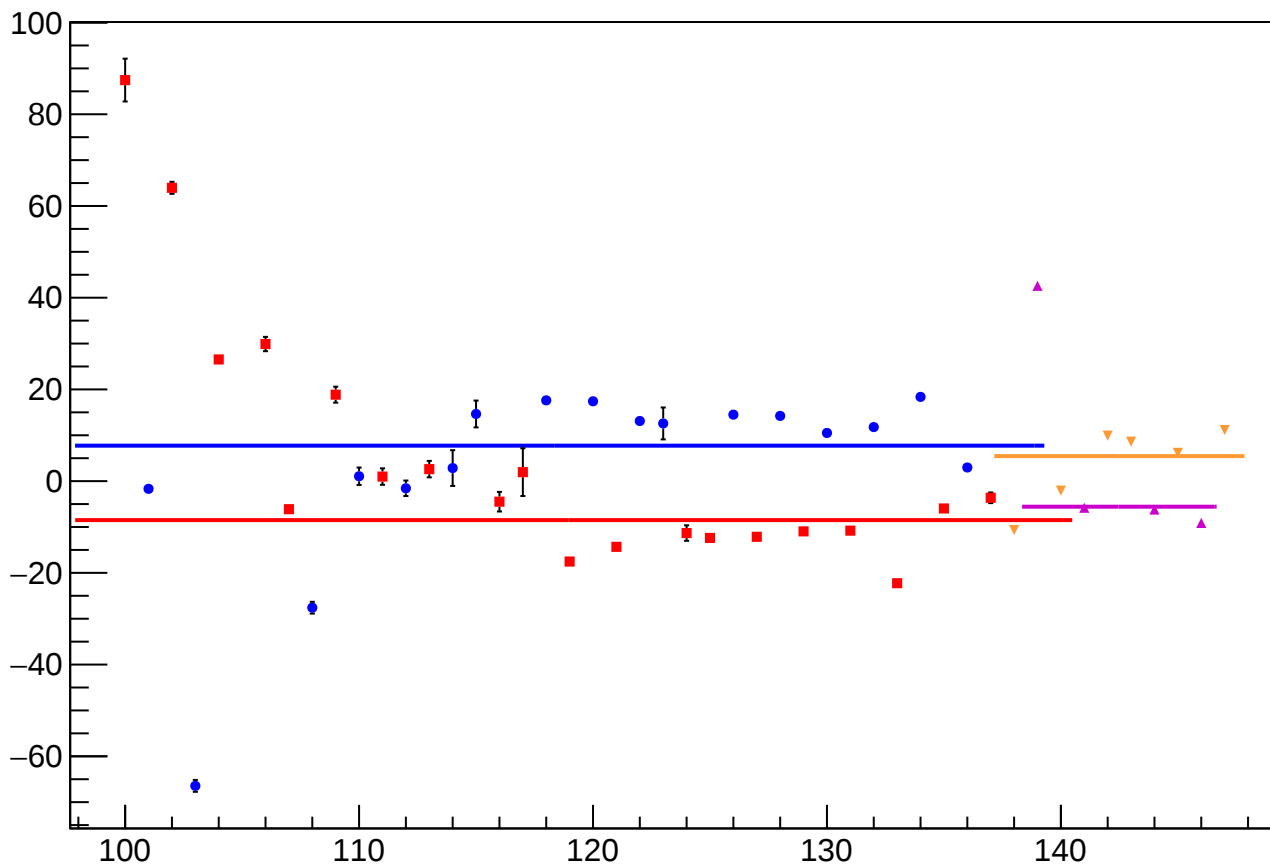
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.621+/-0.215 χ^2/NDF :1506.0/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.274+/-0.236 χ^2/NDF :168.3/3

8.621+/-0.215 χ^2/NDF : 1506.0/5
 1.867+/-0.159 χ^2/NDF : 3844.5/9
 -6.274+/-0.236 χ^2/NDF : 168.3/3

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 5.455 ± 0.156 χ^2/NDF : 1702.6/5

Right Out: -8.496 ± 0.213 χ^2/NDF : 6723.5/19

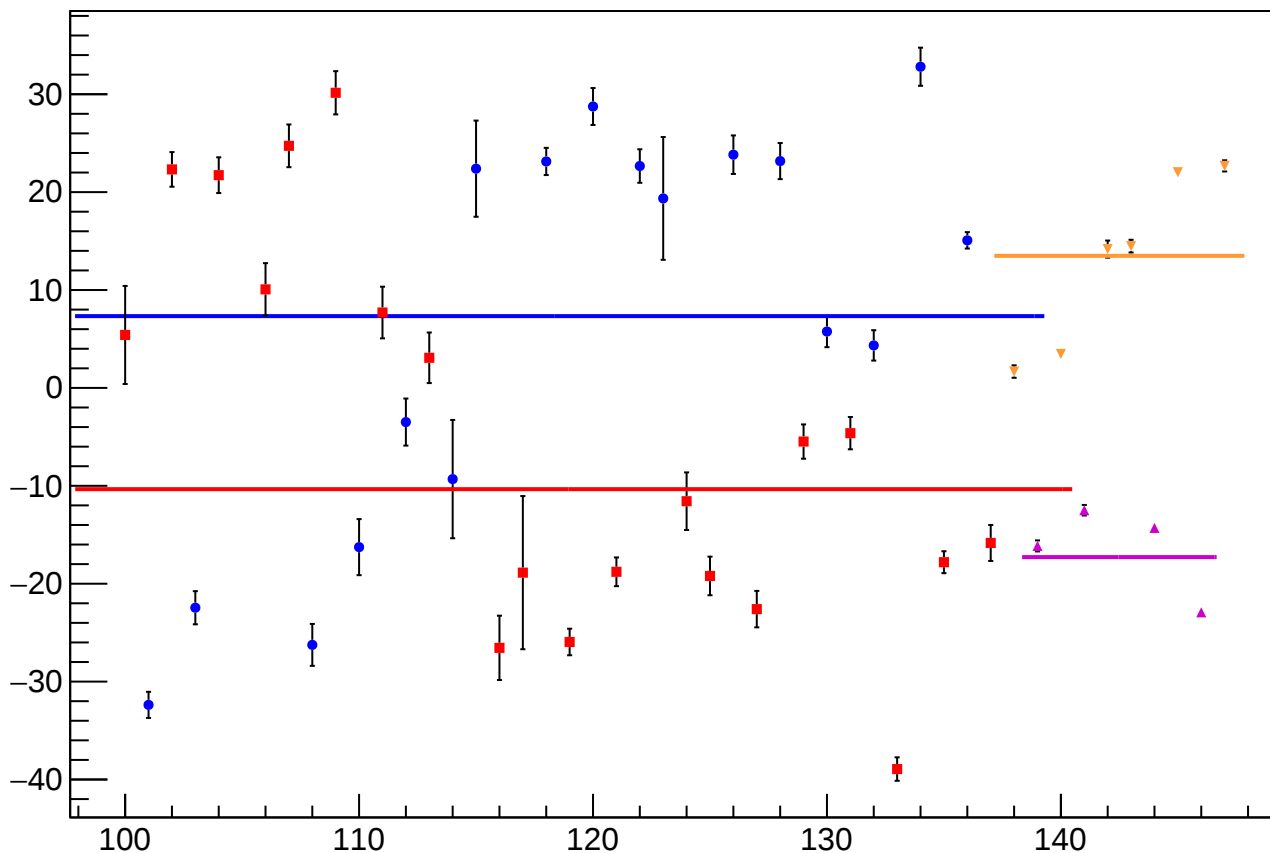
Left In: -5.575 ± 0.179 χ^2/NDF : 2767.3/3

6.228 ± 0.127 χ^2/NDF : 7075.6/22

0.217 ± 0.093 χ^2/NDF : 21535.0/46

-6.781 ± 0.137 χ^2/NDF : 9601.2/23

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 13.492 ± 0.225 χ^2/NDF : 1506.3/5

Right Out: -10.342 ± 0.416 χ^2/NDF : 2282.7/19

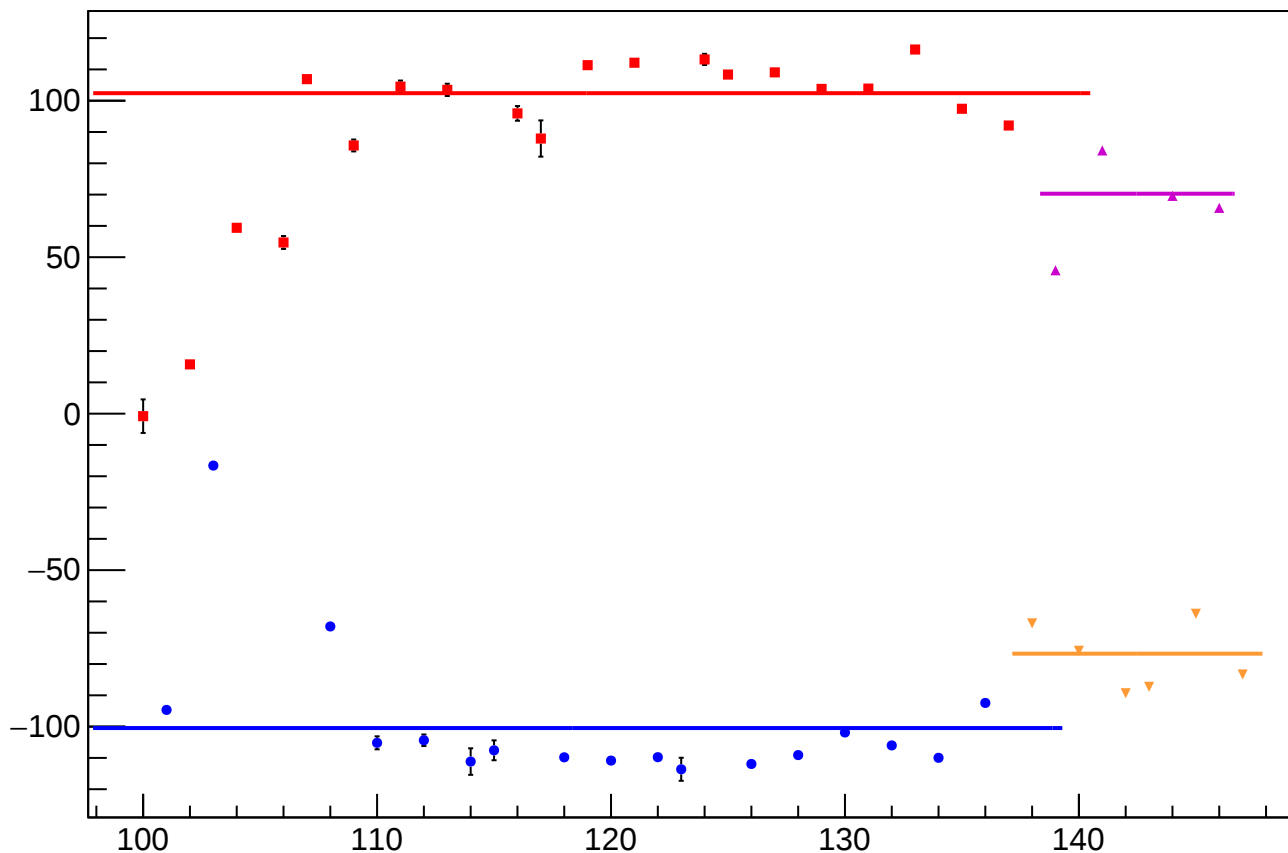
Left In: -17.281 ± 0.245 χ^2/NDF : 306.3/3

12.108 ± 0.198 χ^2/NDF : 3967.3/22

-0.862 ± 0.145 χ^2/NDF : 15852.1/46

-15.501 ± 0.211 χ^2/NDF : 2795.6/23

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457+/-0.251 χ^2/NDF : 4461.1/16

Left Out: -76.691+/-0.191 χ^2/NDF : 2459.4/5

Right Out: 102.405+/-0.246 χ^2/NDF : 6100.6/19

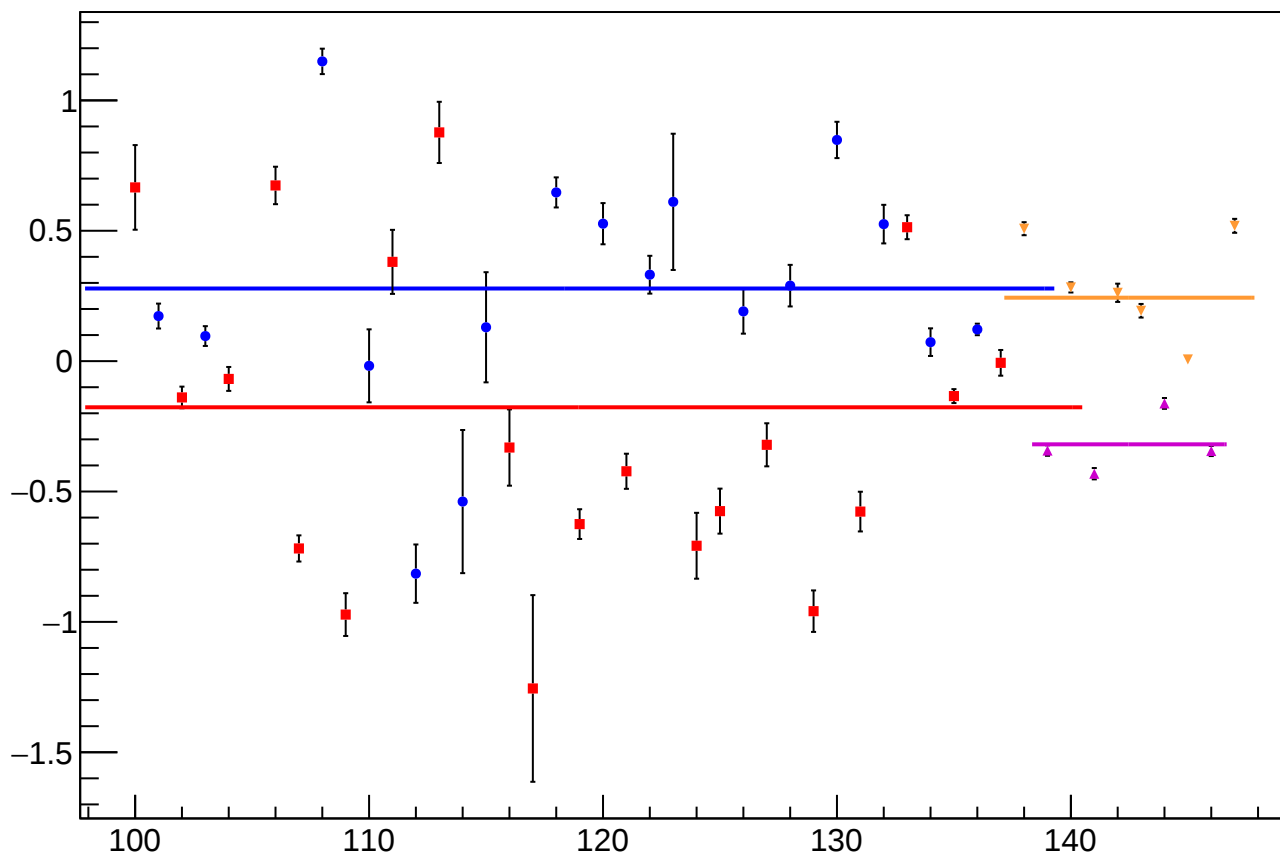
Left In: 70.285+/-0.214 χ^2/NDF : 1904.2/3

-85.423+/-0.152 χ^2/NDF : 12603.4/22

-5.797+/-0.111 χ^2/NDF : 614744.6/46

84.128+/-0.162 χ^2/NDF : 17702.7/23

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.243 ± 0.009 χ^2/NDF : 427.9/5

Right Out: -0.177 ± 0.013 χ^2/NDF : 976.8/19

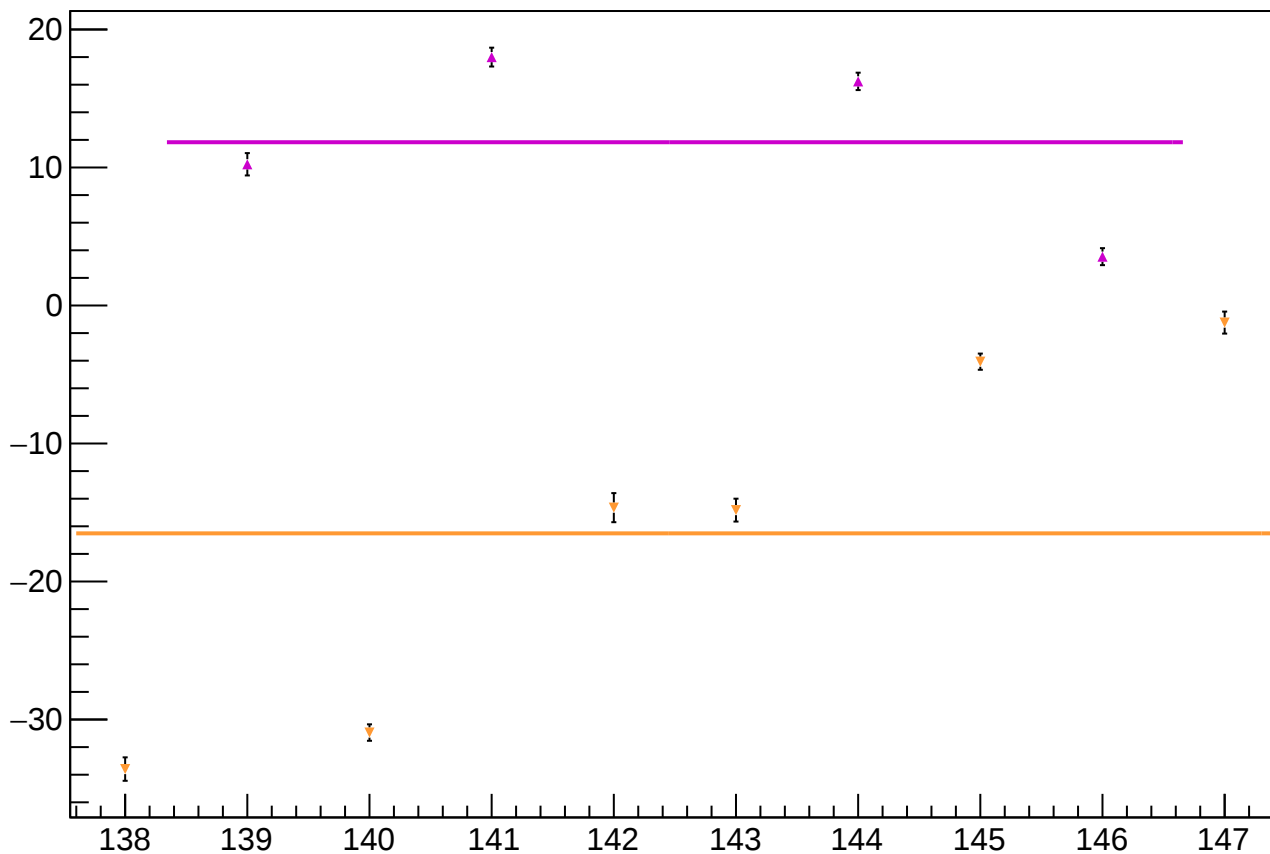
Left In: -0.319 ± 0.010 χ^2/NDF : 87.2/3

0.255 ± 0.008 χ^2/NDF : 1086.4/22

0.009 ± 0.006 χ^2/NDF : 4395.2/46

-0.267 ± 0.008 χ^2/NDF : 1134.6/23

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -16.511+/-0.301 χ^2/NDF : 1814.8/5

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

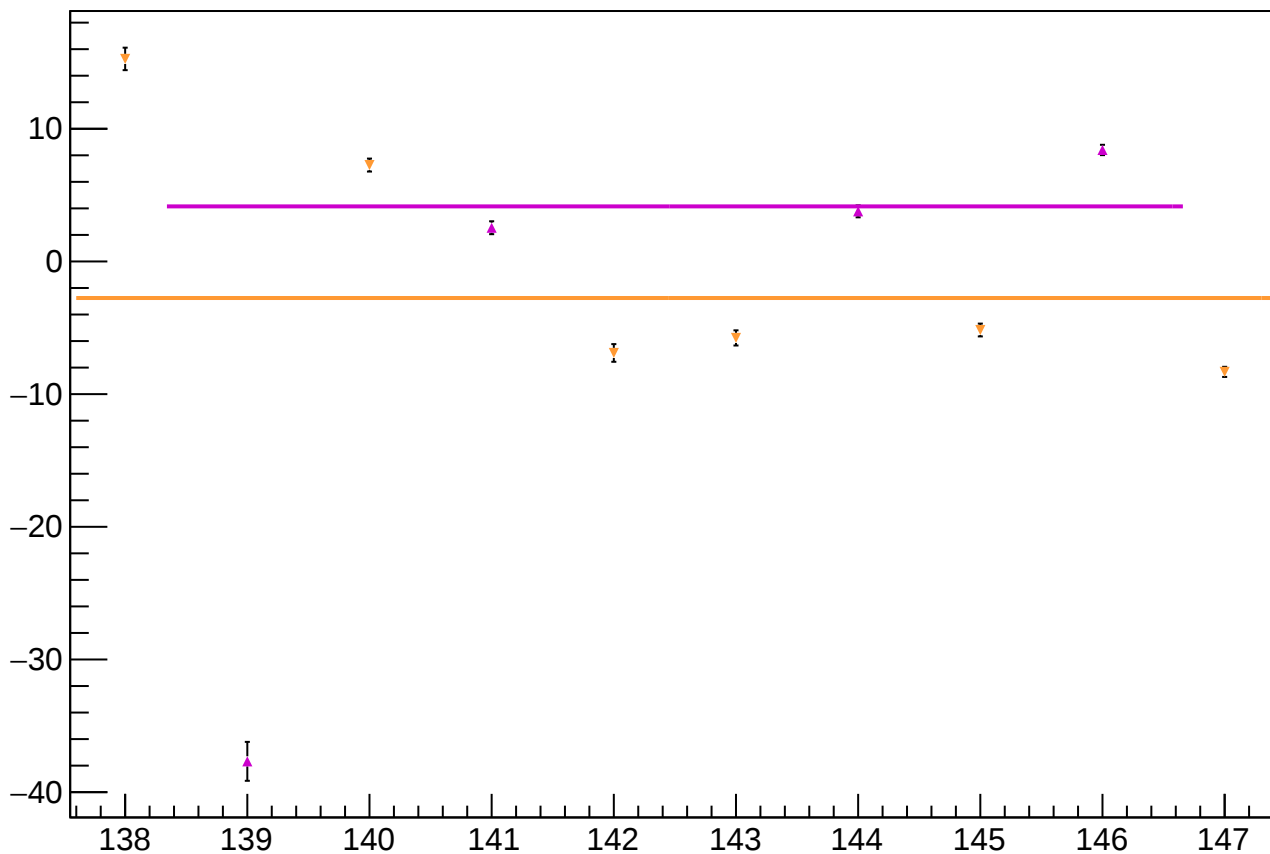
Left In: 11.830+/-0.337 χ^2/NDF : 315.9/3

-16.511+/-0.301 χ^2/NDF : 1814.8/5

-3.917+/-0.224 χ^2/NDF : 6070.3/9

11.830+/-0.337 χ^2/NDF : 315.9/3

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.755+/-0.213 χ^2/NDF : 1176.8/5

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

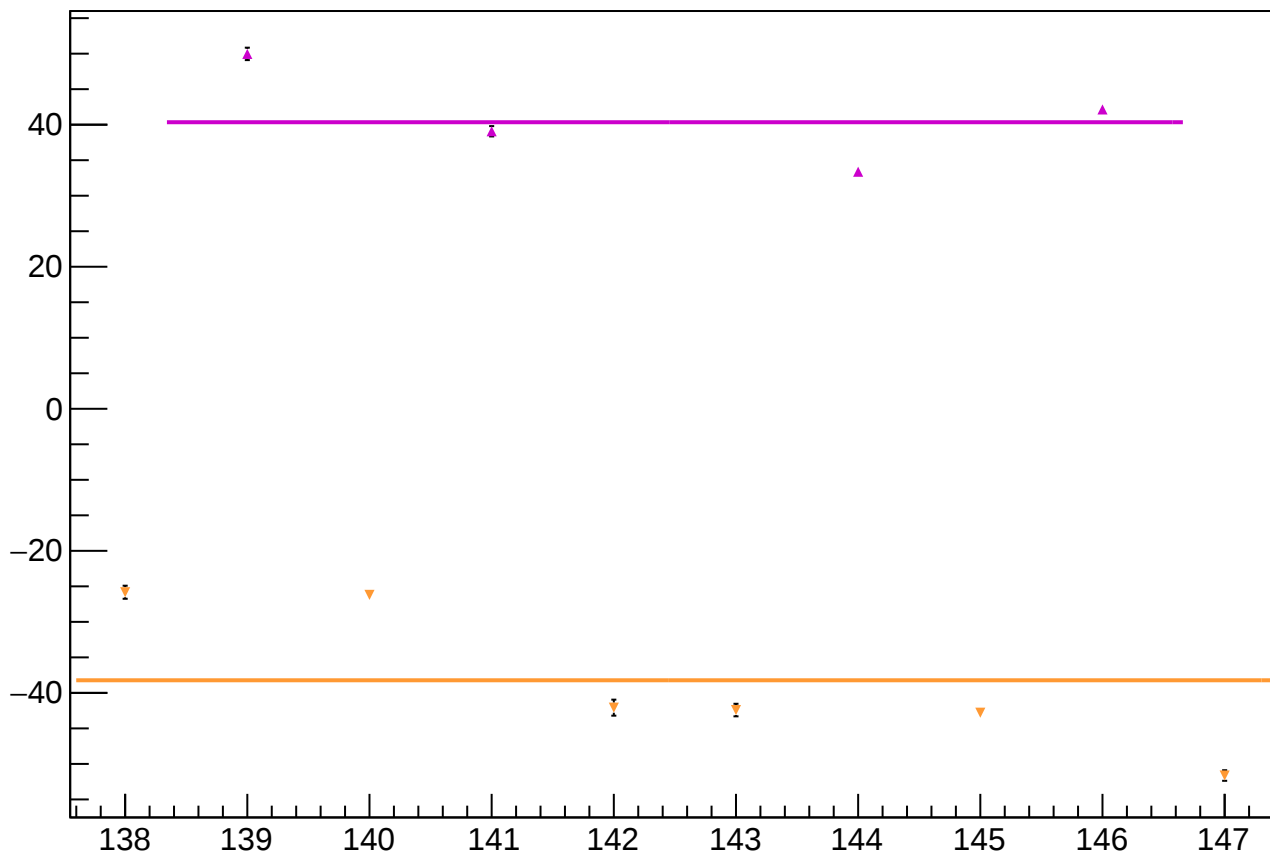
Left In: 4.151+/-0.248 χ^2/NDF : 944.3/3

-2.755+/-0.213 χ^2/NDF : 1176.8/5

0.170+/-0.162 χ^2/NDF : 2566.3/9

4.151+/-0.248 χ^2/NDF : 944.3/3

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -38.224+/-0.314 χ^2/NDF : 952.6/5

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

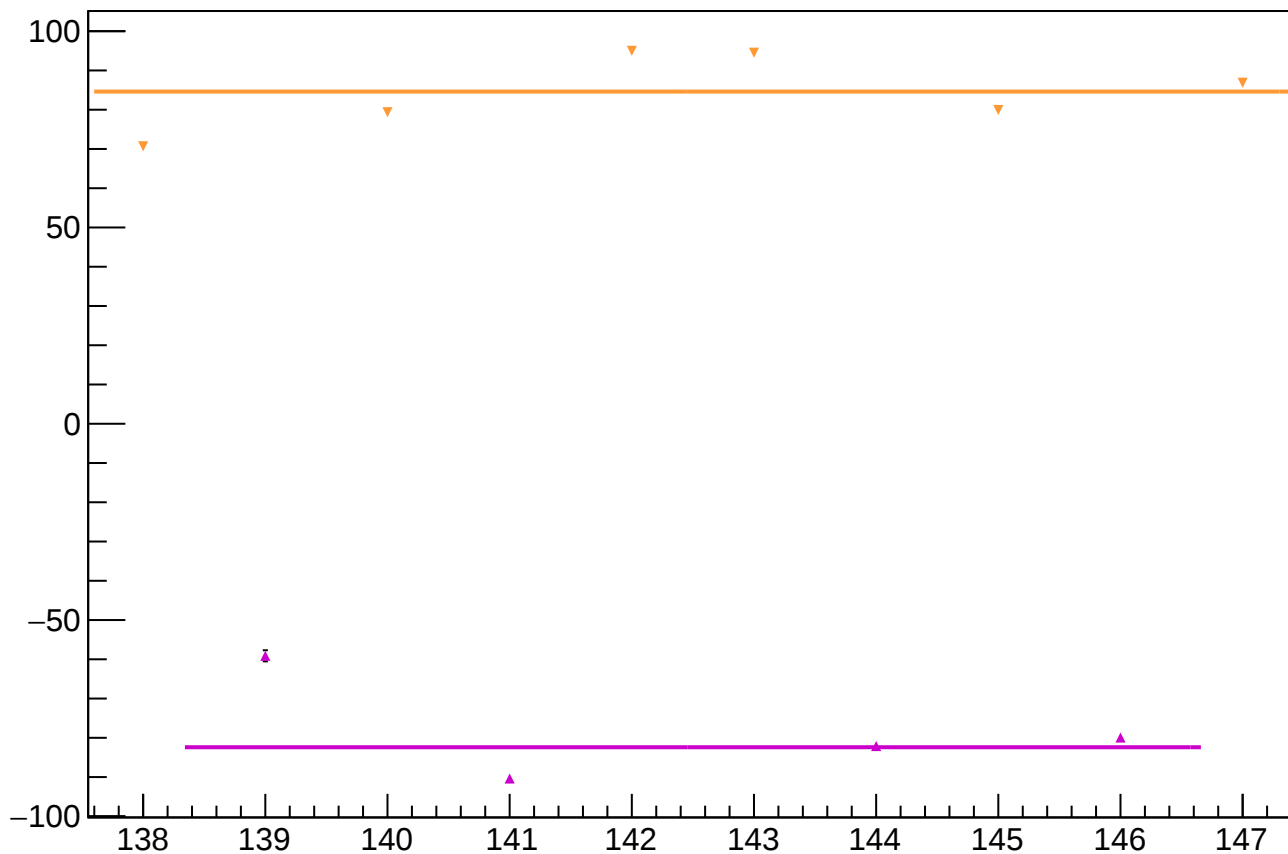
Left In: 40.347+/-0.348 χ^2/NDF : 239.5/3

-38.224+/-0.314 χ^2/NDF : 952.6/5

-2.943+/-0.233 χ^2/NDF : 29268.7/9

40.347+/-0.348 χ^2/NDF : 239.5/3

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 84.619+/-0.263 χ^2/NDF : 748.7/5

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

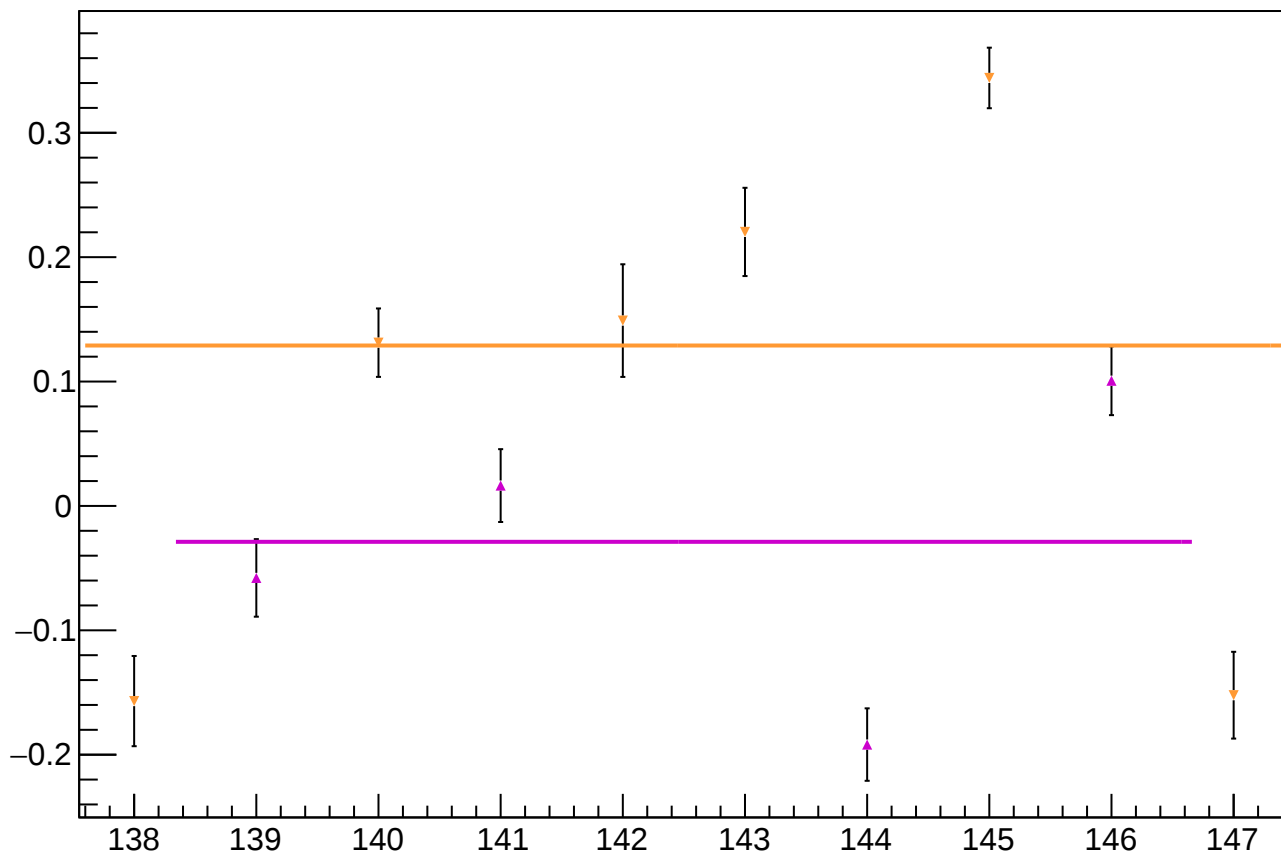
Left In: -82.400+/-0.299 χ^2/NDF : 483.1/3

84.619+/-0.263 χ^2/NDF : 748.7/5

11.895+/-0.197 χ^2/NDF : 177240.8/9

-82.400+/-0.299 χ^2/NDF : 483.1/3

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.129 $\pm$ 0.013 χ^2 /NDF:212.0/5

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

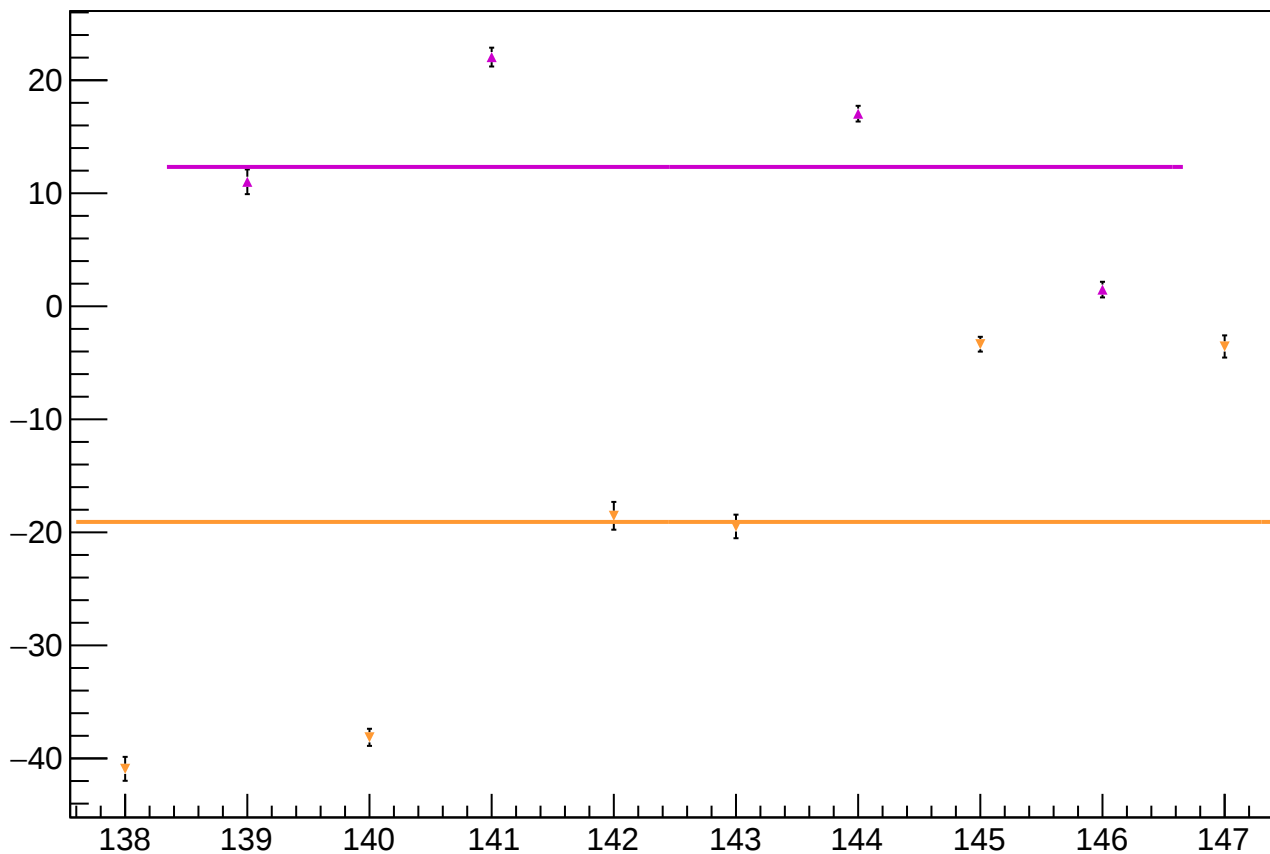
Left In: -0.029 $\pm$ 0.015 χ^2 /NDF:56.5/3

0.129 $\pm$ 0.013 χ^2 /NDF: 212.0/5

0.059 $\pm$ 0.010 χ^2 /NDF: 333.4/9

-0.029 $\pm$ 0.015 χ^2 /NDF: 56.5/3

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -19.077+/-0.363 χ^2/NDF : 1886.7/5

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

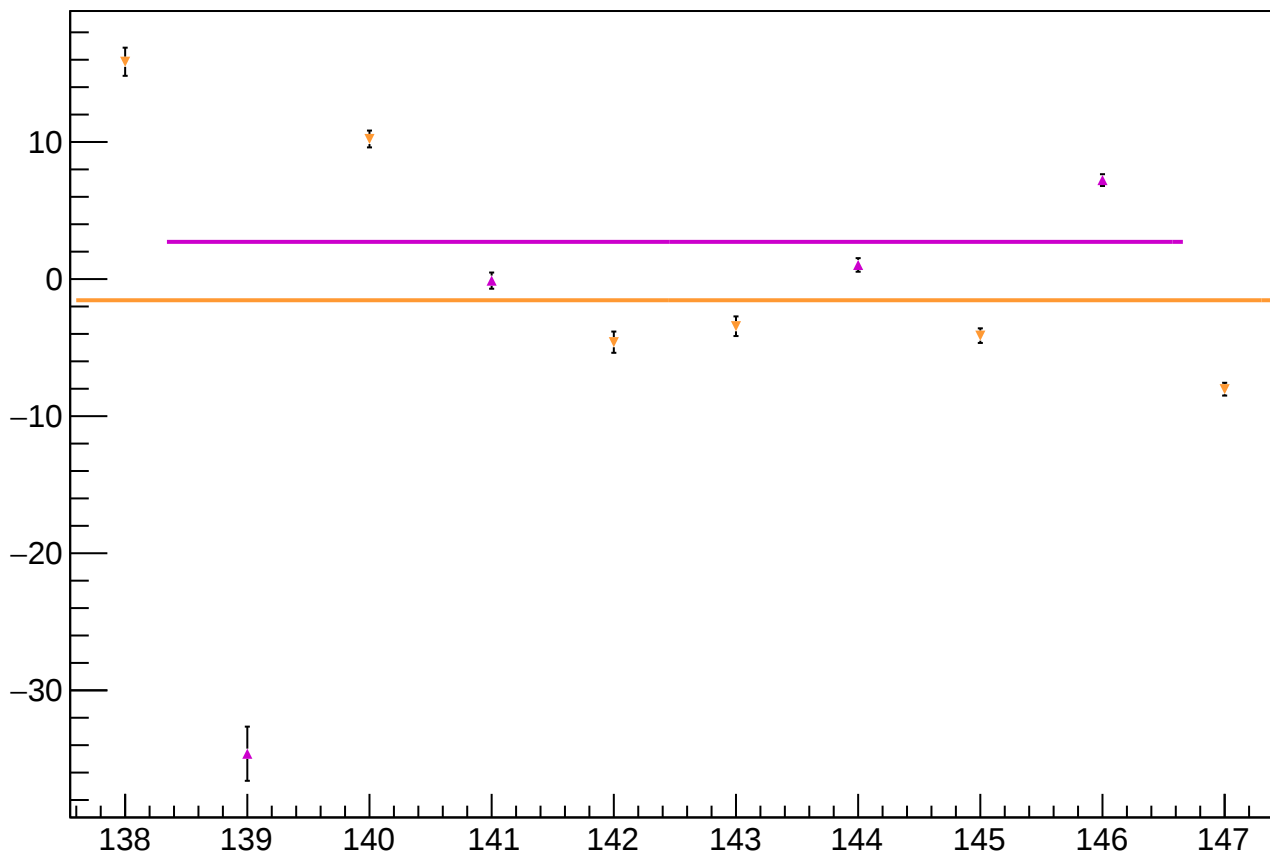
Left In: 12.330+/-0.394 χ^2/NDF : 429.3/3

-19.077+/-0.363 χ^2/NDF : 1886.7/5

-4.669+/-0.267 χ^2/NDF : 5750.2/9

12.330+/-0.394 χ^2/NDF : 429.3/3

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -1.545+/-0.256 χ^2/NDF : 892.8/5

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

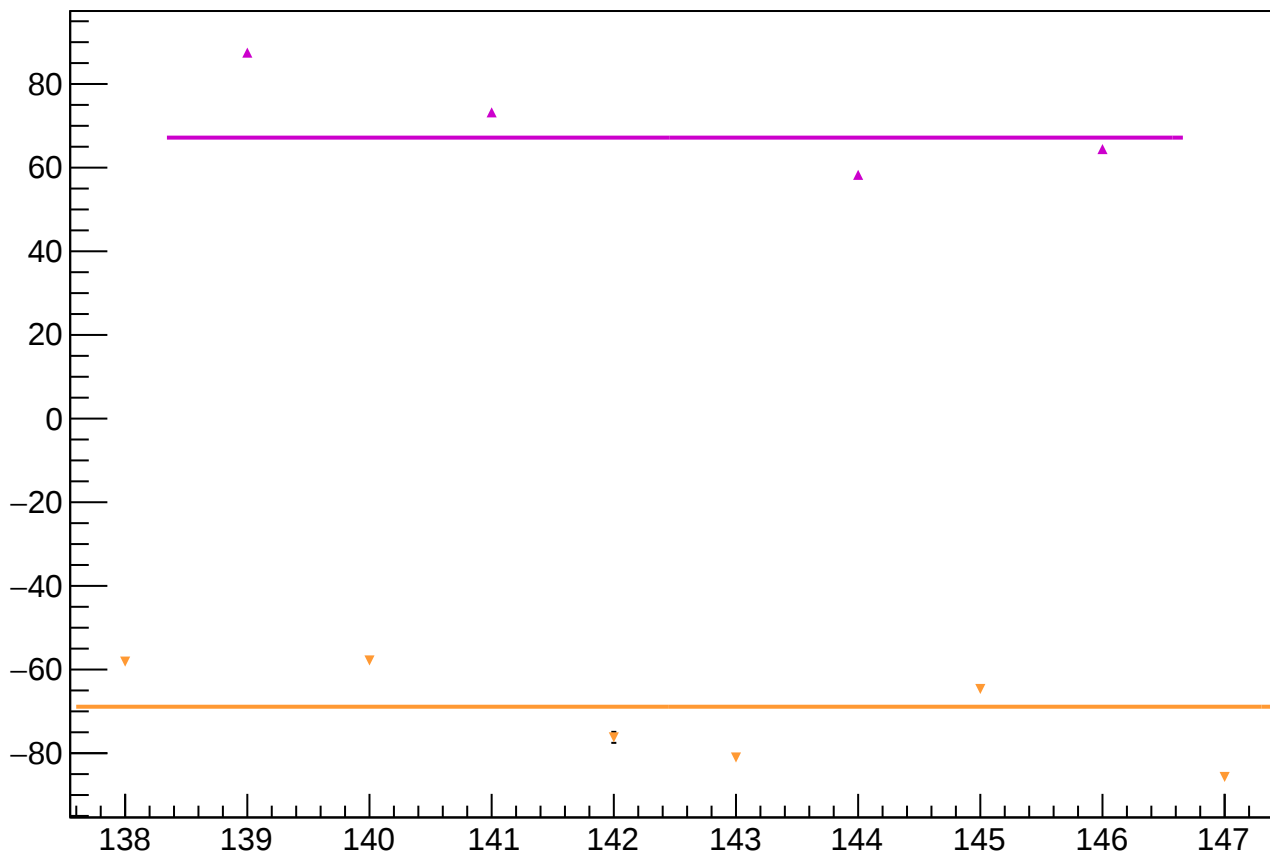
Left In: 2.715+/-0.281 χ^2/NDF : 502.1/3

-1.545+/-0.256 χ^2/NDF : 892.8/5

0.380+/-0.189 χ^2/NDF : 1520.4/9

2.715+/-0.281 χ^2/NDF : 502.1/3

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -68.889+/-0.379 χ^2/NDF : 799.7/5

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

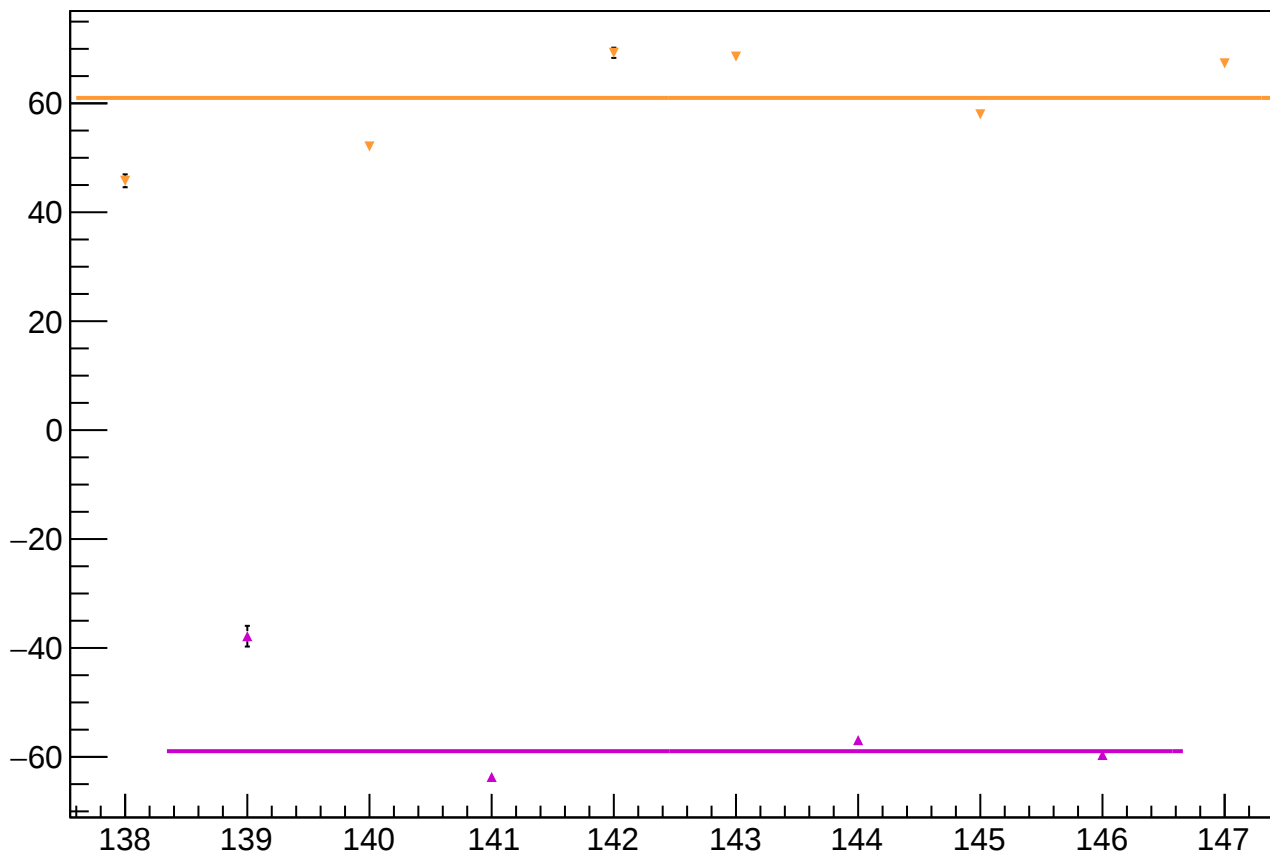
Left In: 67.176+/-0.406 χ^2/NDF : 501.0/3

-68.889+/-0.379 χ^2/NDF : 799.7/5

-5.555+/-0.277 χ^2/NDF : 61193.3/9

67.176+/-0.406 χ^2/NDF : 501.0/3

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 60.995+/-0.315 χ^2/NDF : 585.4/5

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

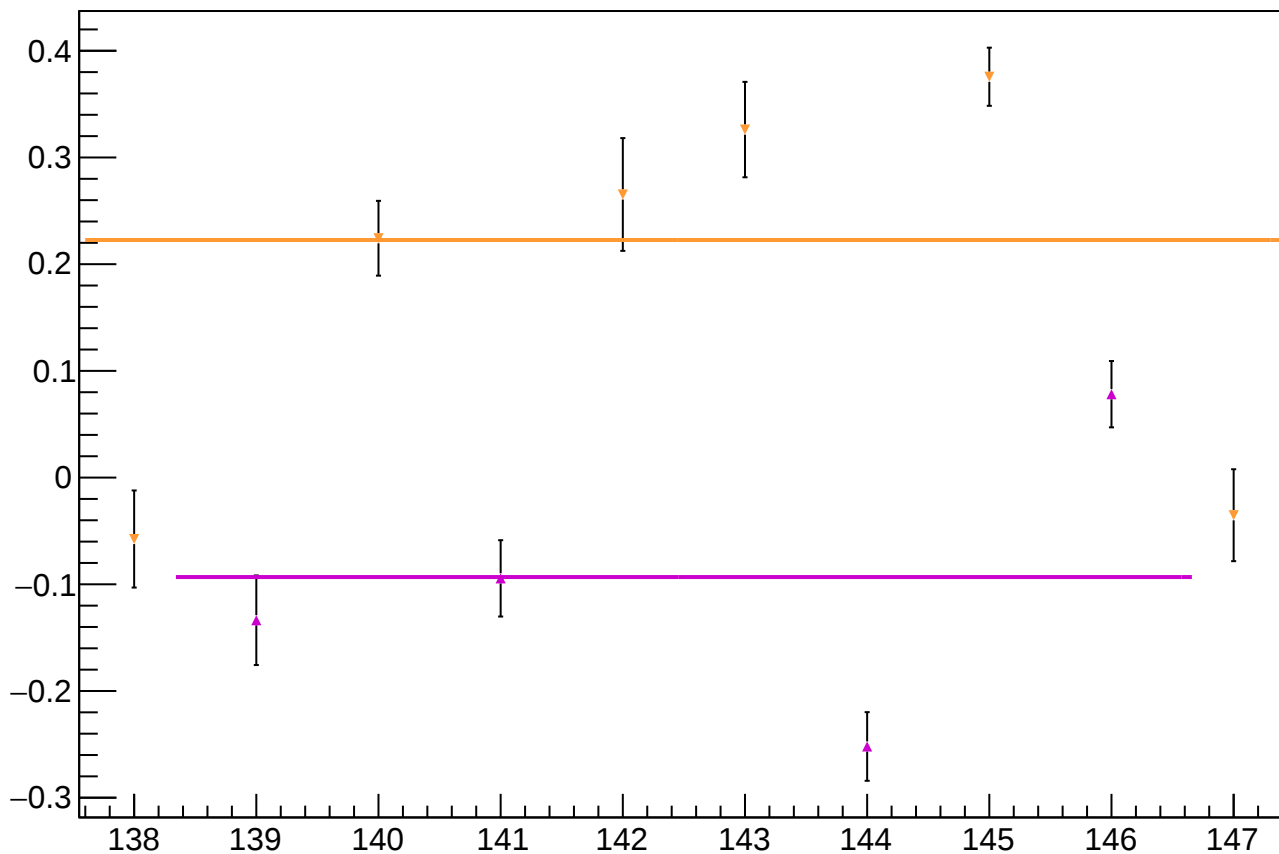
Left In: -58.948+/-0.342 χ^2/NDF : 180.8/3

60.995+/-0.315 χ^2/NDF : 585.4/5

5.834+/-0.232 χ^2/NDF : 67388.6/9

-58.948+/-0.342 χ^2/NDF : 180.8/3

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.223 $\pm$ 0.016 χ^2 /NDF:111.3/5

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

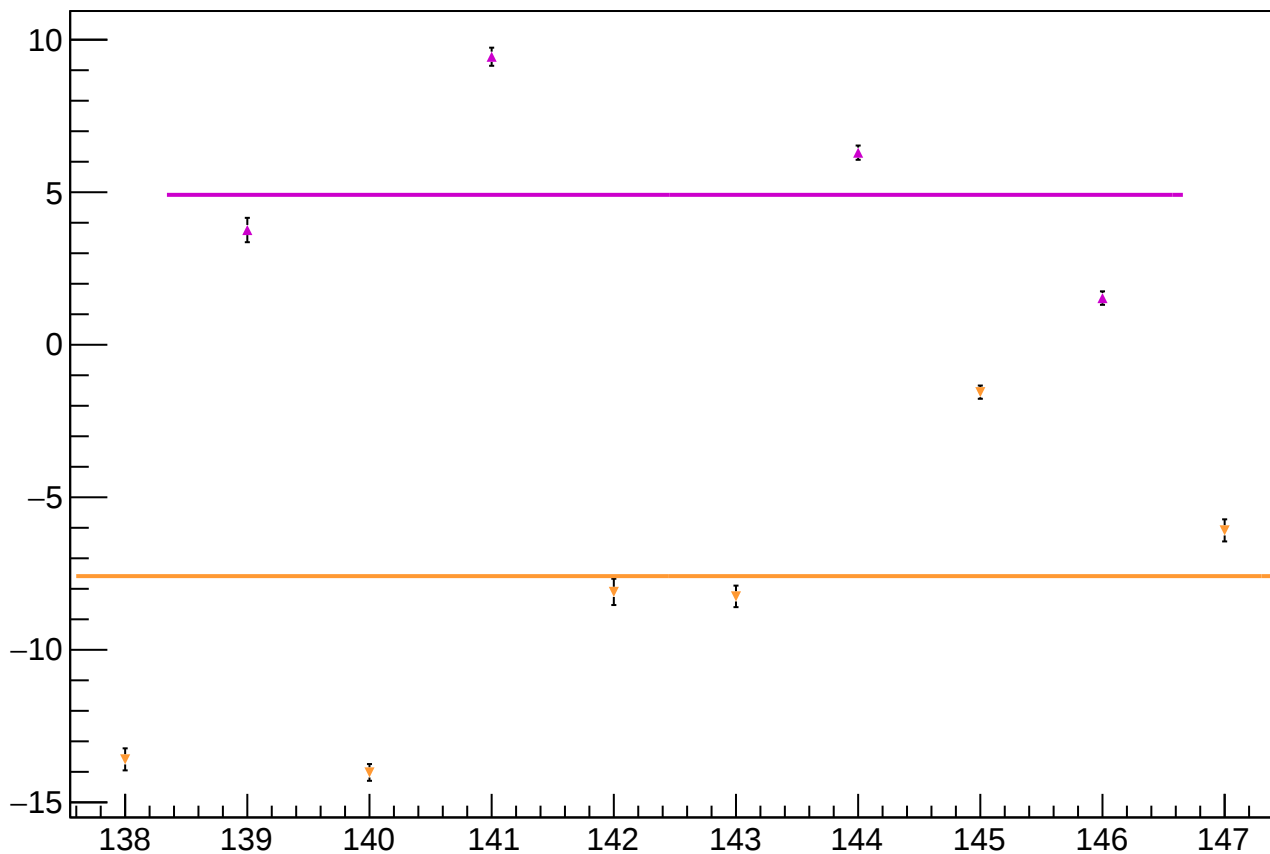
Left In: -0.093 $\pm$ 0.017 χ^2 /NDF:55.7/3

0.223 $\pm$ 0.016 χ^2 /NDF: 111.3/5

0.079 $\pm$ 0.012 χ^2 /NDF: 349.8/9

-0.093 $\pm$ 0.017 χ^2 /NDF: 55.7/3

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -7.584+/-0.126 χ^2/NDF : 1619.4/5

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

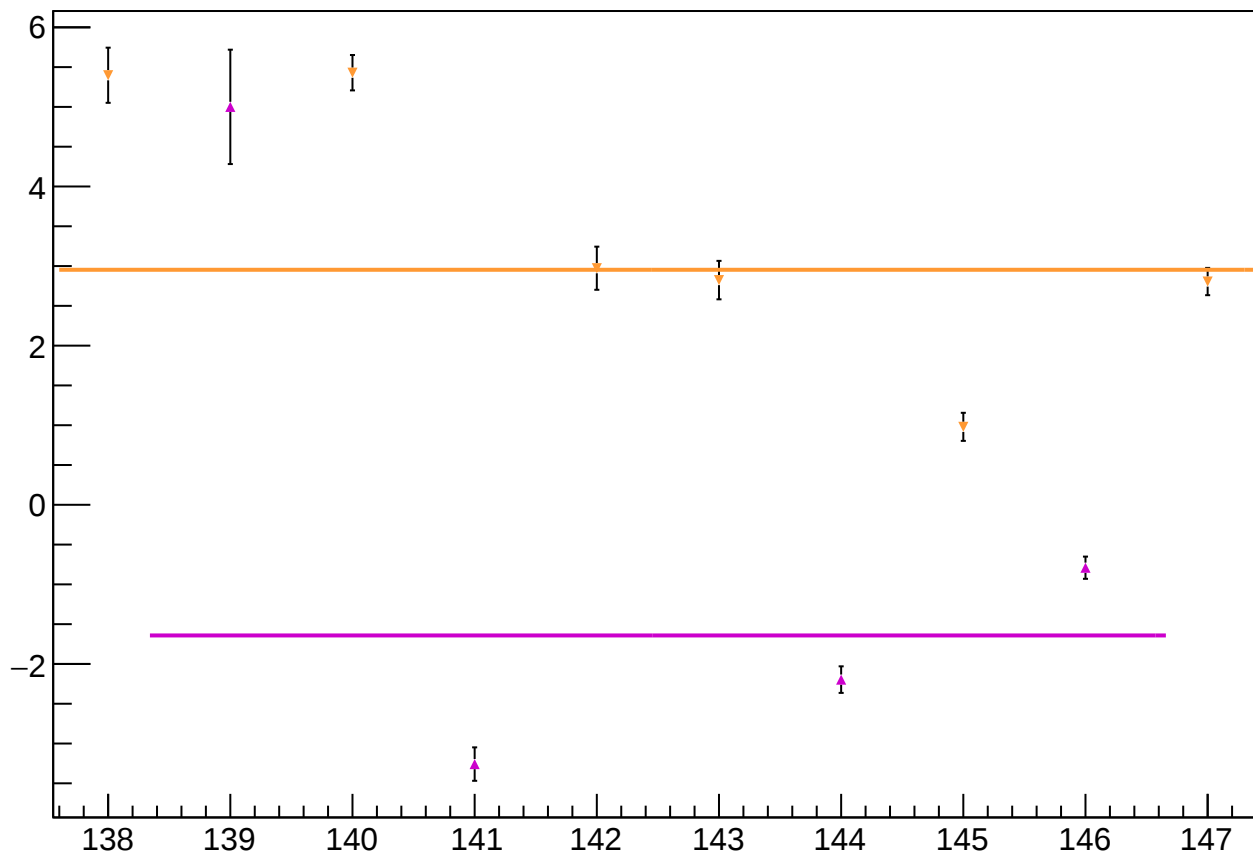
Left In: 4.915+/-0.133 χ^2/NDF : 510.5/3

-7.584+/-0.126 χ^2/NDF : 1619.4/5

-1.691+/-0.091 χ^2/NDF : 6784.0/9

4.915+/-0.133 χ^2/NDF : 510.5/3

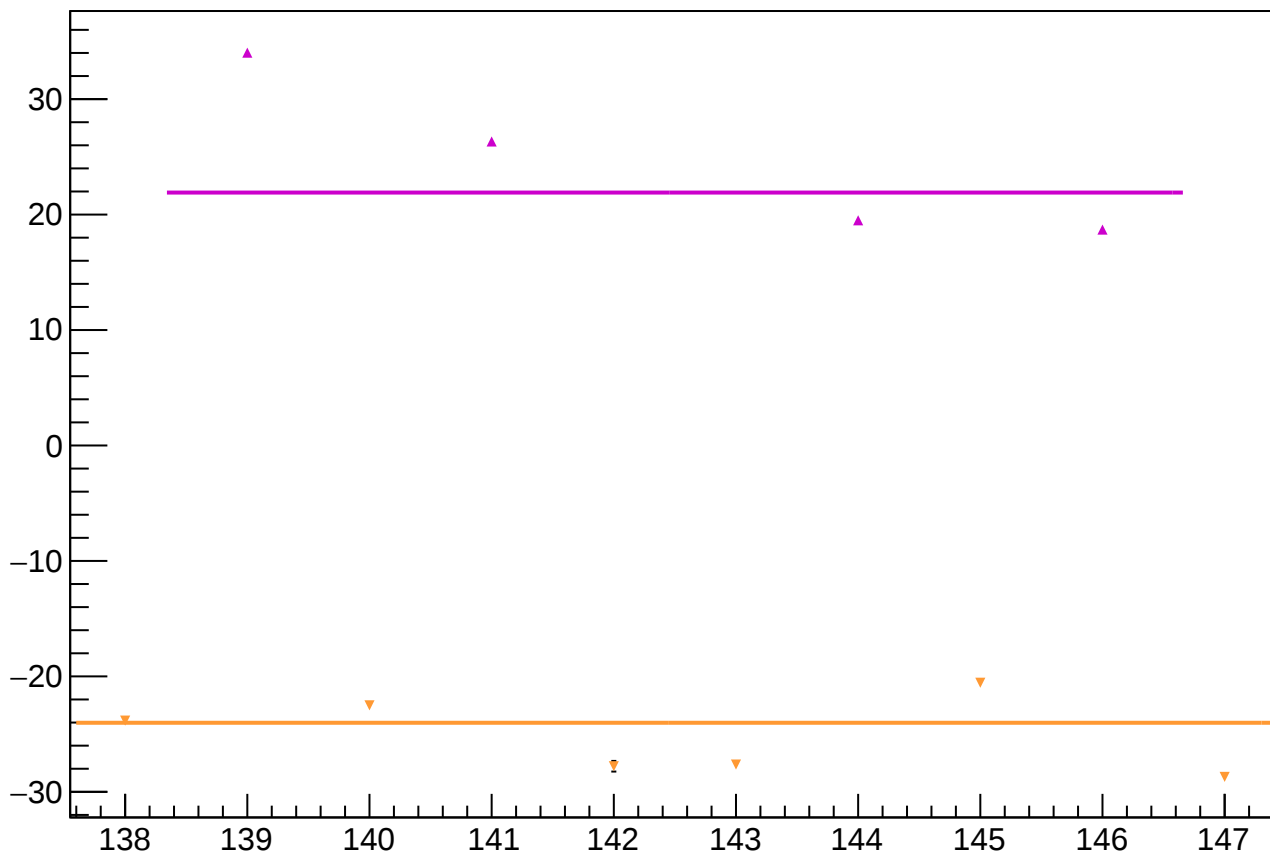
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.953 ± 0.089 χ^2/NDF : 300.2/5
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -1.642 ± 0.095 χ^2/NDF : 192.9/3

2.953 ± 0.089 χ^2/NDF : 300.2/5
 0.789 ± 0.065 χ^2/NDF : 1741.6/9
 -1.642 ± 0.095 χ^2/NDF : 192.9/3

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -24.018+/-0.132 χ^2/NDF : 604.6/5

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

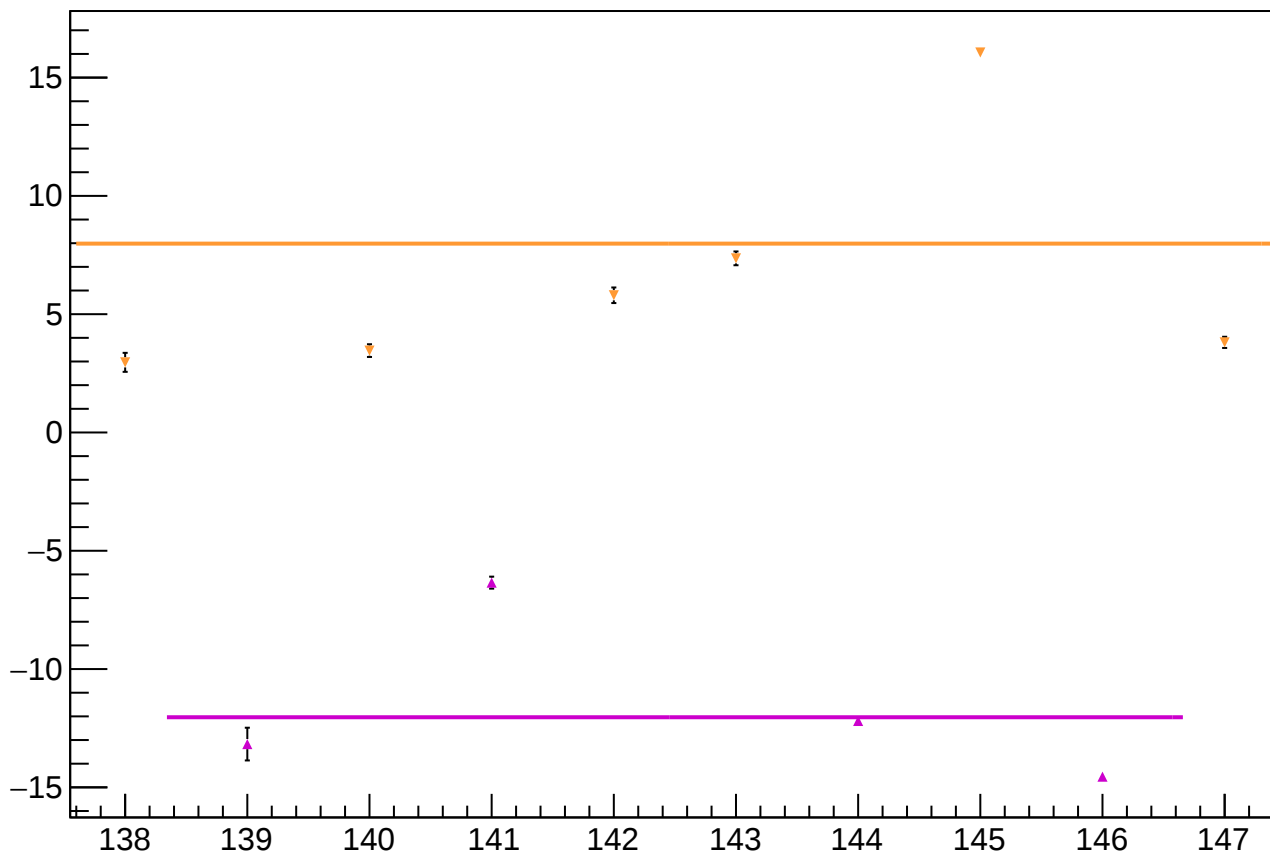
Left In: 21.907+/-0.137 χ^2/NDF : 1301.2/3

-24.018+/-0.132 χ^2/NDF : 604.6/5

-1.912+/-0.095 χ^2/NDF : 60340.2/9

21.907+/-0.137 χ^2/NDF : 1301.2/3

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 7.982+/-0.110 χ^2/NDF : 2379.3/5

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

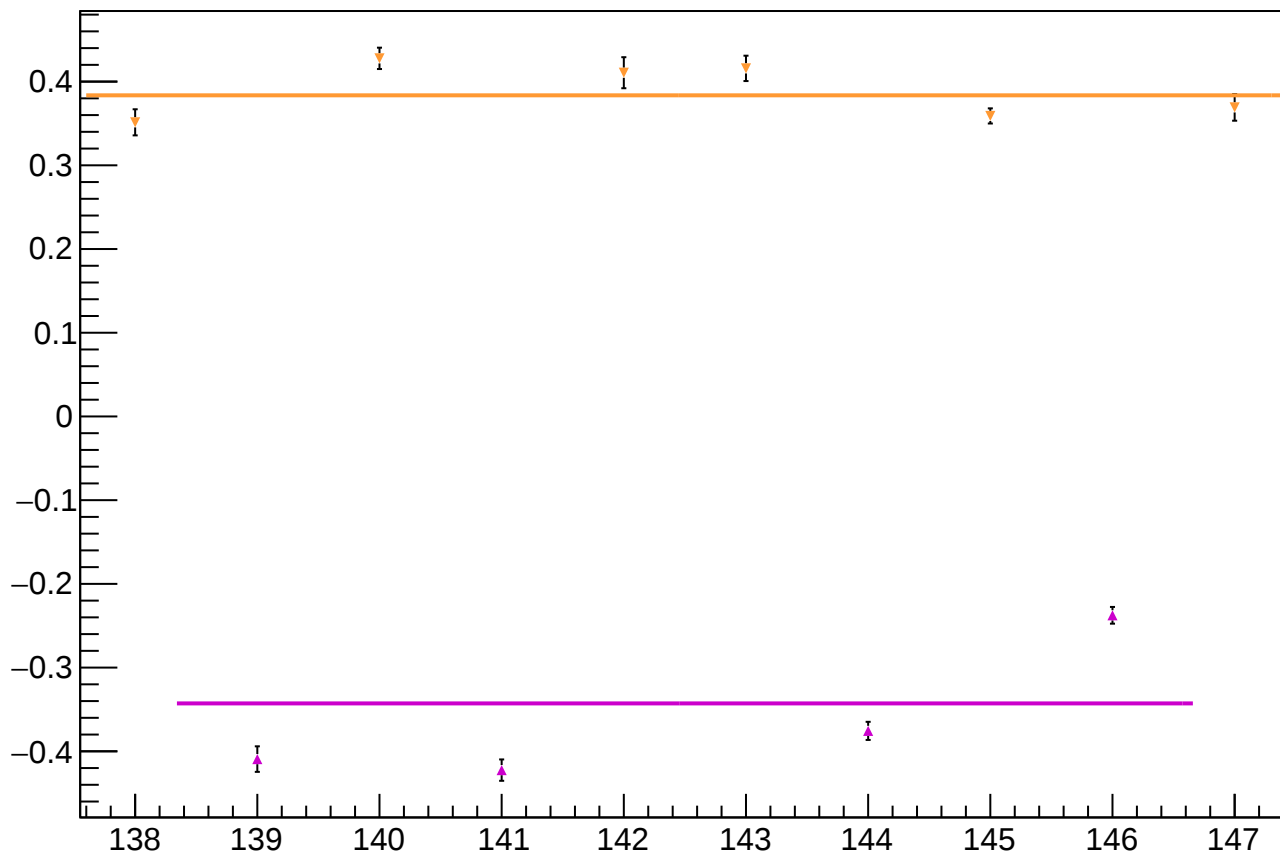
Left In: -12.037+/-0.115 χ^2/NDF : 712.8/3

7.982+/-0.110 χ^2/NDF : 2379.3/5

-1.570+/-0.079 χ^2/NDF : 18986.6/9

-12.037+/-0.115 χ^2/NDF : 712.8/3

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.384 $\pm$ 0.005 χ^2 /NDF: 31.1/5

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

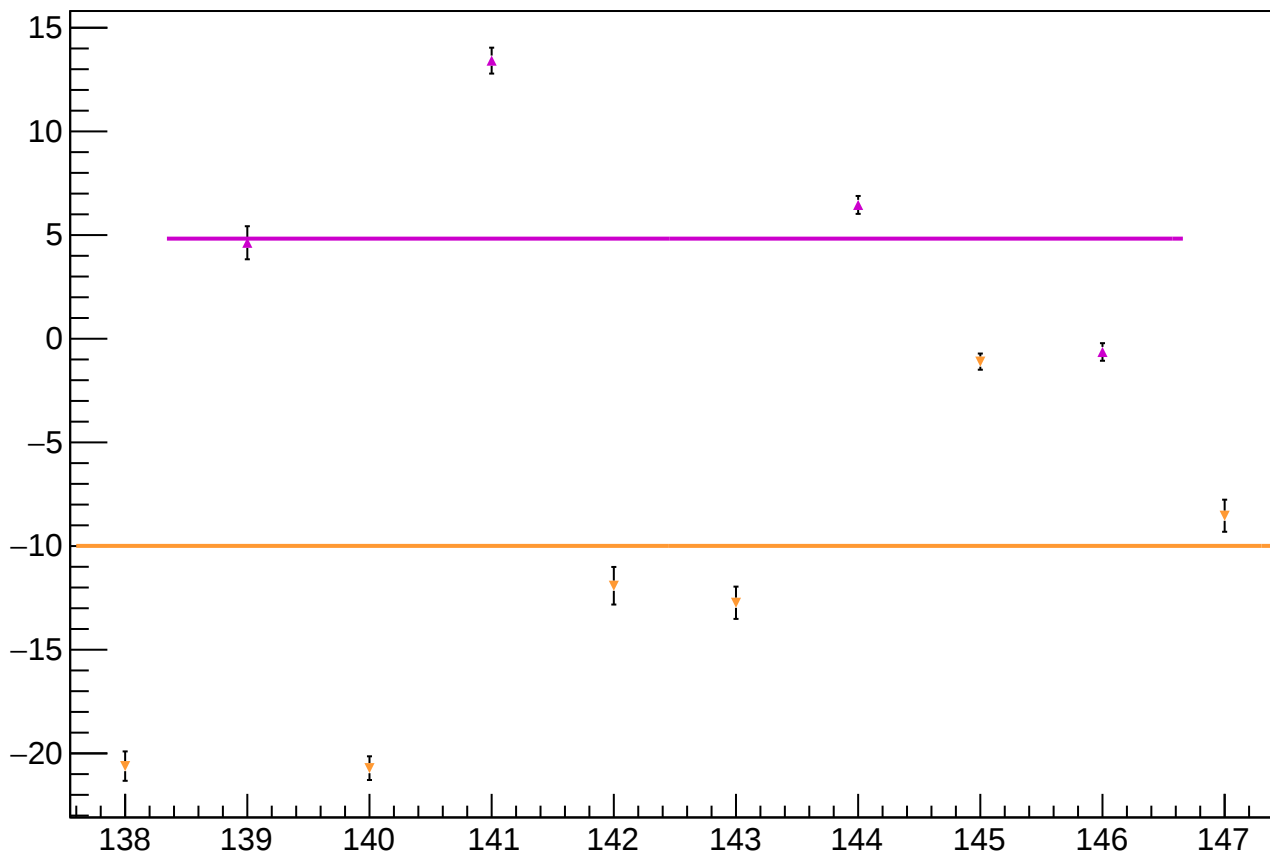
Left In: -0.343 $\pm$ 0.006 χ^2 /NDF: 178.2/3

0.384 $\pm$ 0.005 χ^2 /NDF: 31.1/5

0.048 $\pm$ 0.004 χ^2 /NDF: 8432.7/9

-0.343 $\pm$ 0.006 χ^2 /NDF: 178.2/3

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.992 $\pm$ 0.249 χ^2 /NDF: 1116.3/5

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

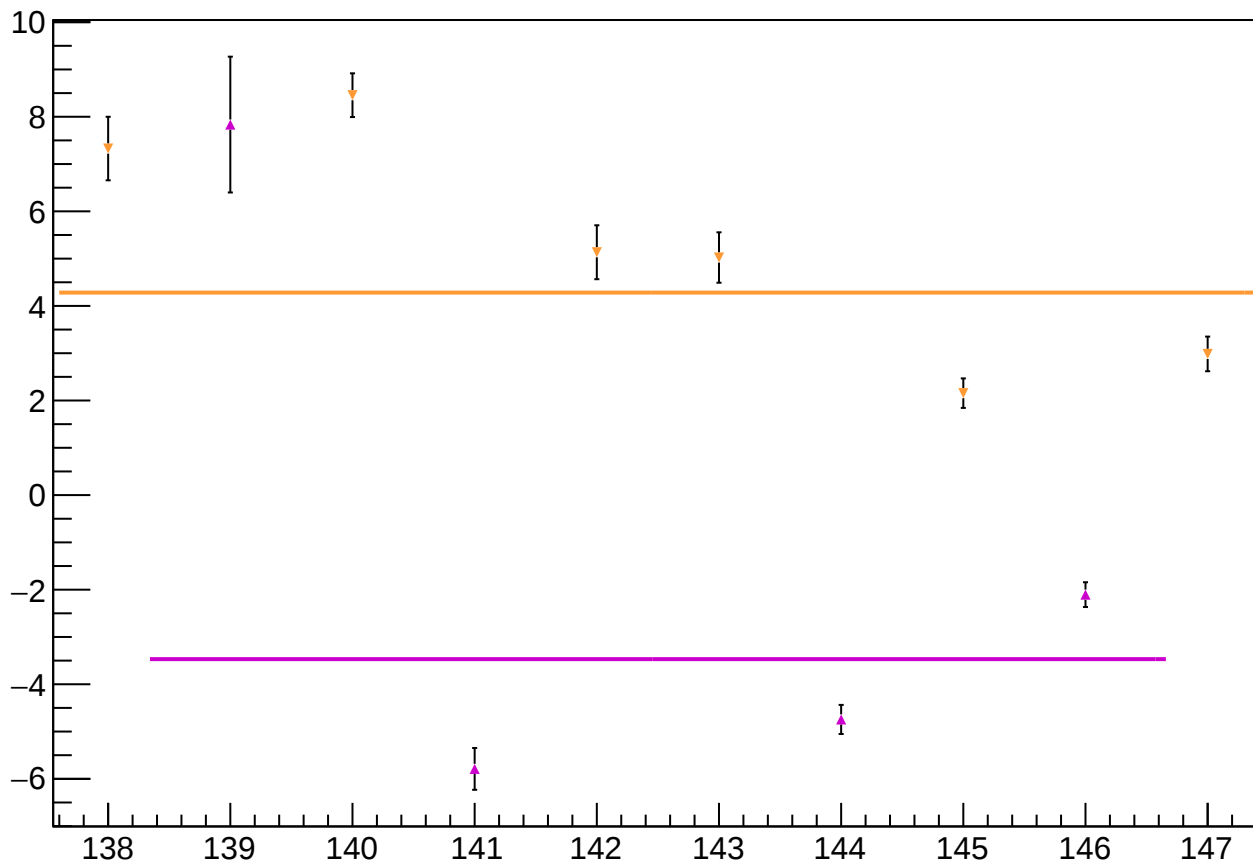
Left In: 4.829 $\pm$ 0.258 χ^2 /NDF: 369.0/3

-9.992 $\pm$ 0.249 χ^2 /NDF: 1116.3/5

-2.846 $\pm$ 0.179 χ^2 /NDF: 3196.8/9

4.829 $\pm$ 0.258 χ^2 /NDF: 369.0/3

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: 4.282+/-0.179 χ^2/NDF : 165.2/5

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

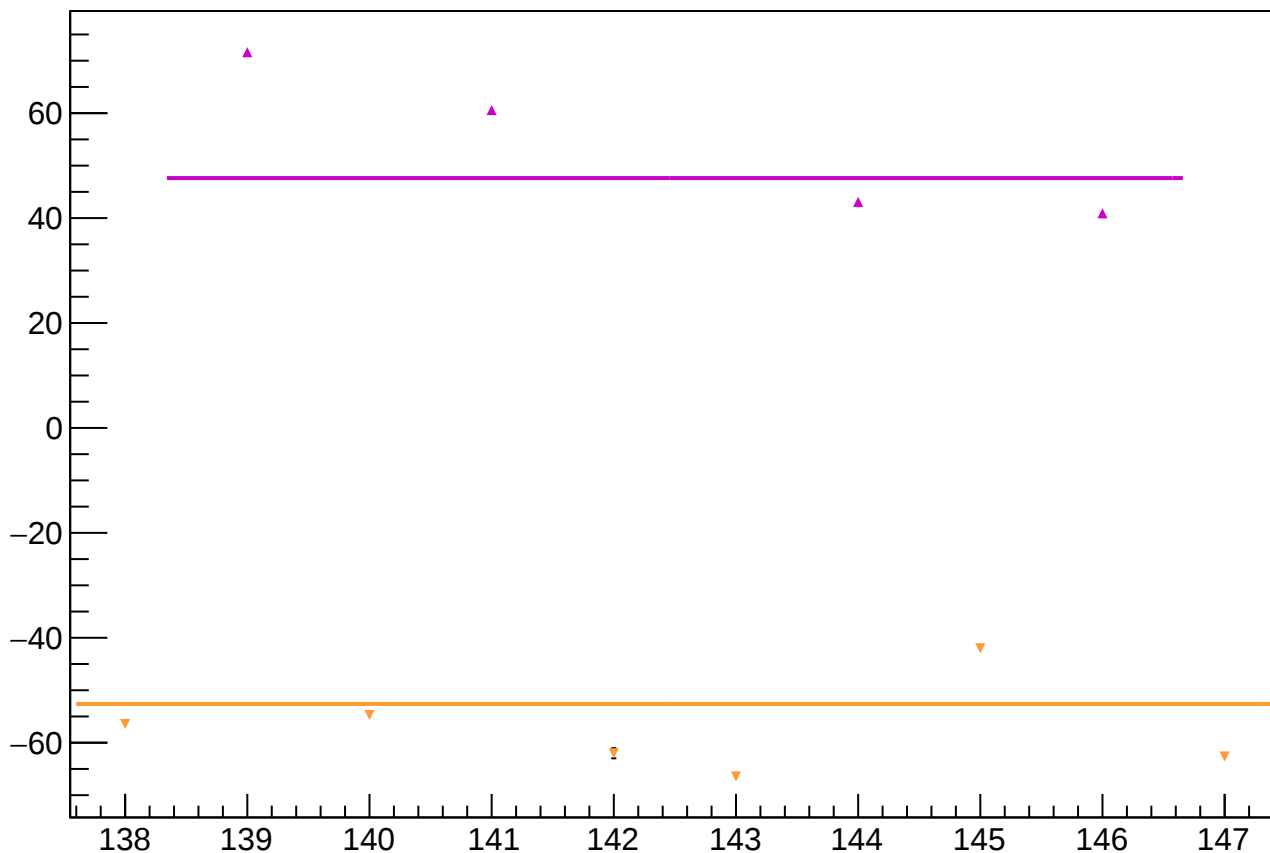
Left In: -3.469+/-0.180 χ^2/NDF : 133.8/3

4.282+/-0.179 χ^2/NDF : 165.2/5

0.437+/-0.127 χ^2/NDF : 1229.3/9

-3.469+/-0.180 χ^2/NDF : 133.8/3

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -52.610+/-0.262 χ^2/NDF :1250.5/5

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

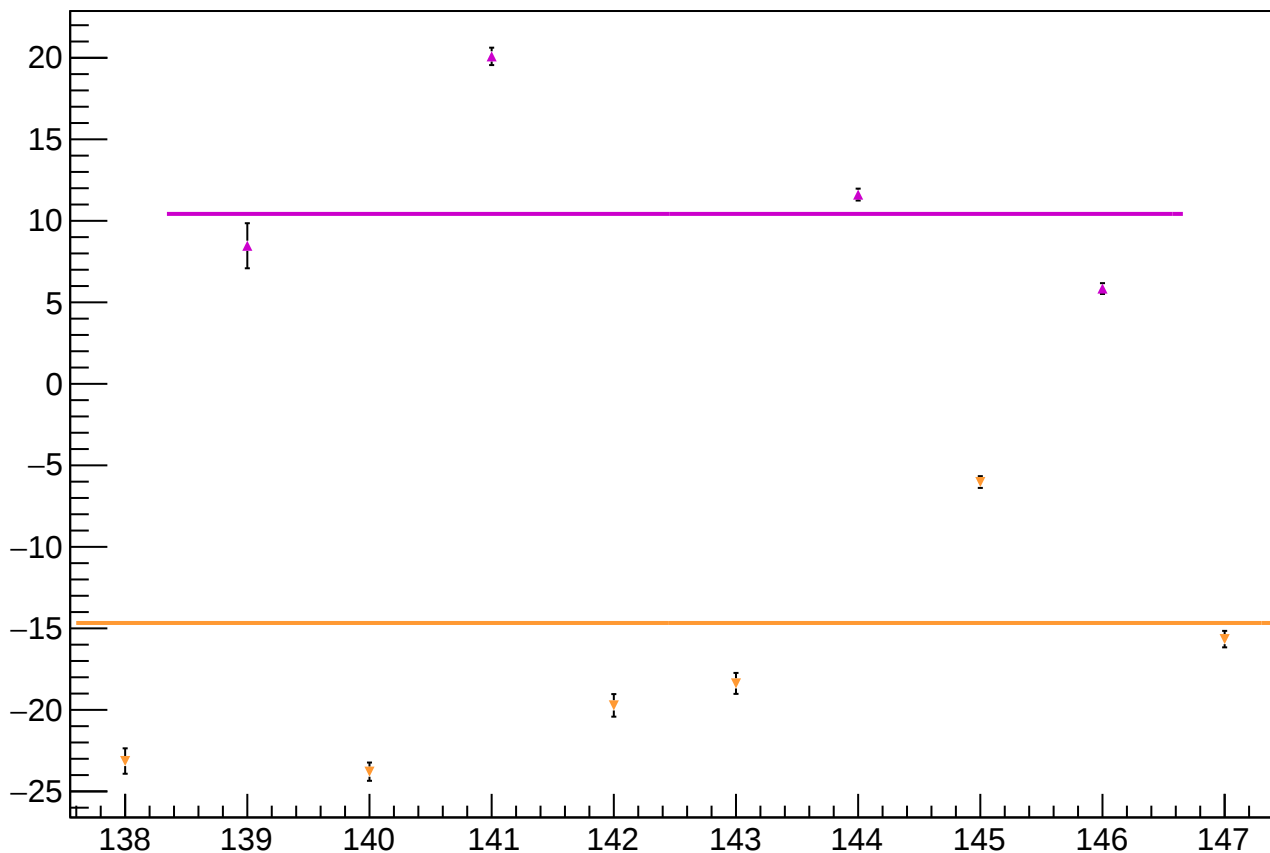
Left In: 47.627+/-0.265 χ^2/NDF :1520.0/3

-52.610+/-0.262 χ^2/NDF : 1250.5/5

-3.052+/-0.186 χ^2/NDF : 75321.2/9

47.627+/-0.265 χ^2/NDF : 1520.0/3

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -14.669+/-0.219 χ^2/NDF : 1047.7/5

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

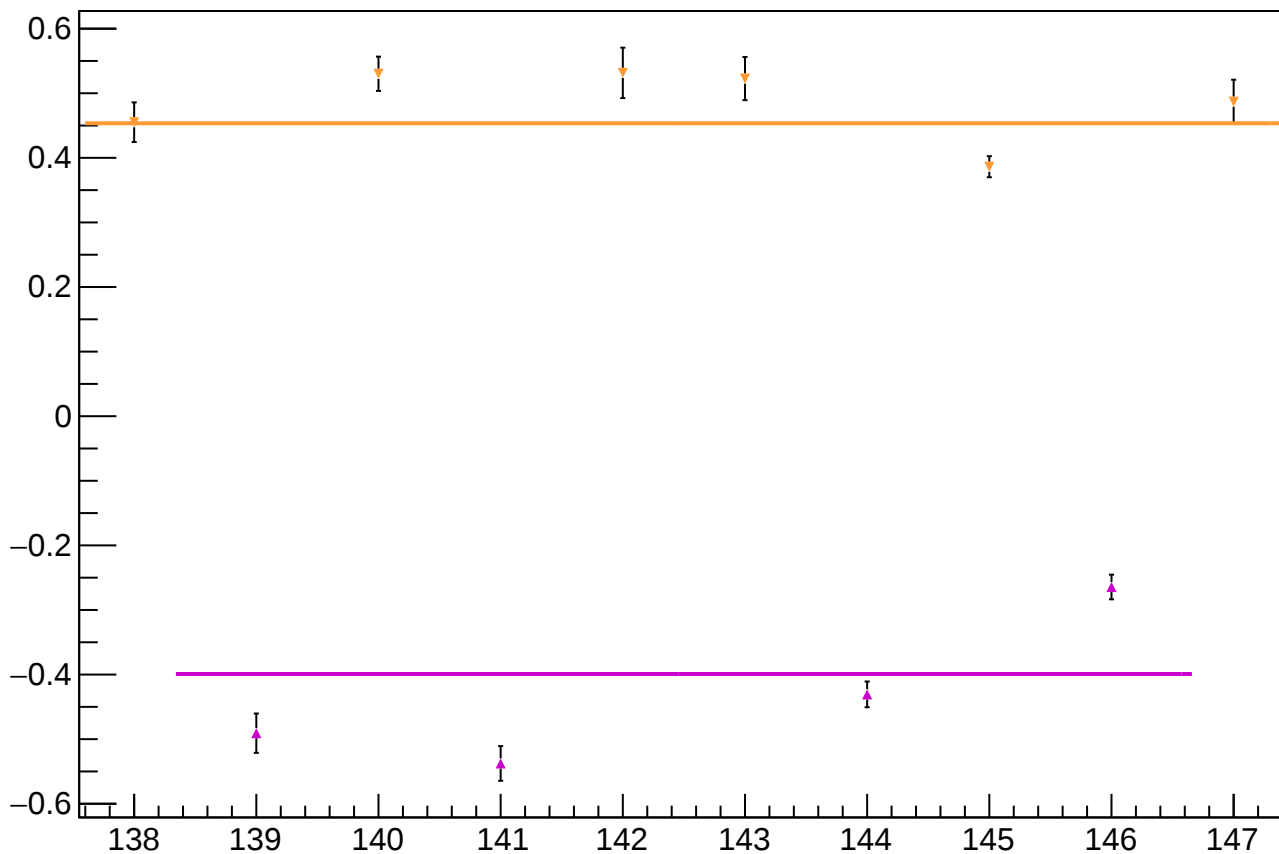
Left In: 10.425+/-0.220 χ^2/NDF : 531.3/3

-14.669+/-0.219 χ^2/NDF : 1047.7/5

-2.207+/-0.155 χ^2/NDF : 8123.5/9

10.425+/-0.220 χ^2/NDF : 531.3/3

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.454 $\pm$ 0.011 χ^2 /NDF: 34.6/5

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

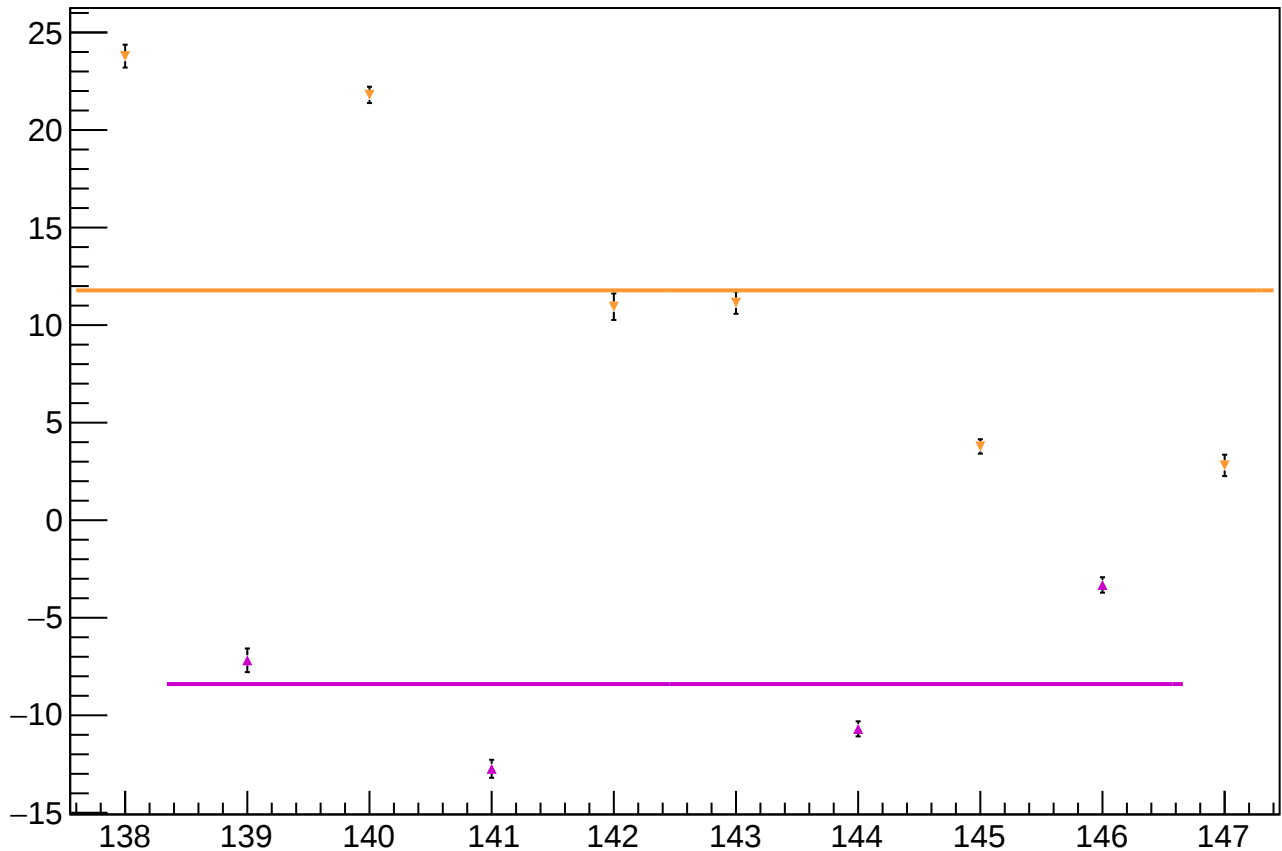
Left In: -0.399 $\pm$ 0.011 χ^2 /NDF: 87.9/3

0.454 $\pm$ 0.011 χ^2 /NDF: 34.6/5

0.051 $\pm$ 0.008 χ^2 /NDF: 3089.7/9

-0.399 $\pm$ 0.011 χ^2 /NDF: 87.9/3

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 11.781 ± 0.202 χ^2/NDF : 1731.3/5

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

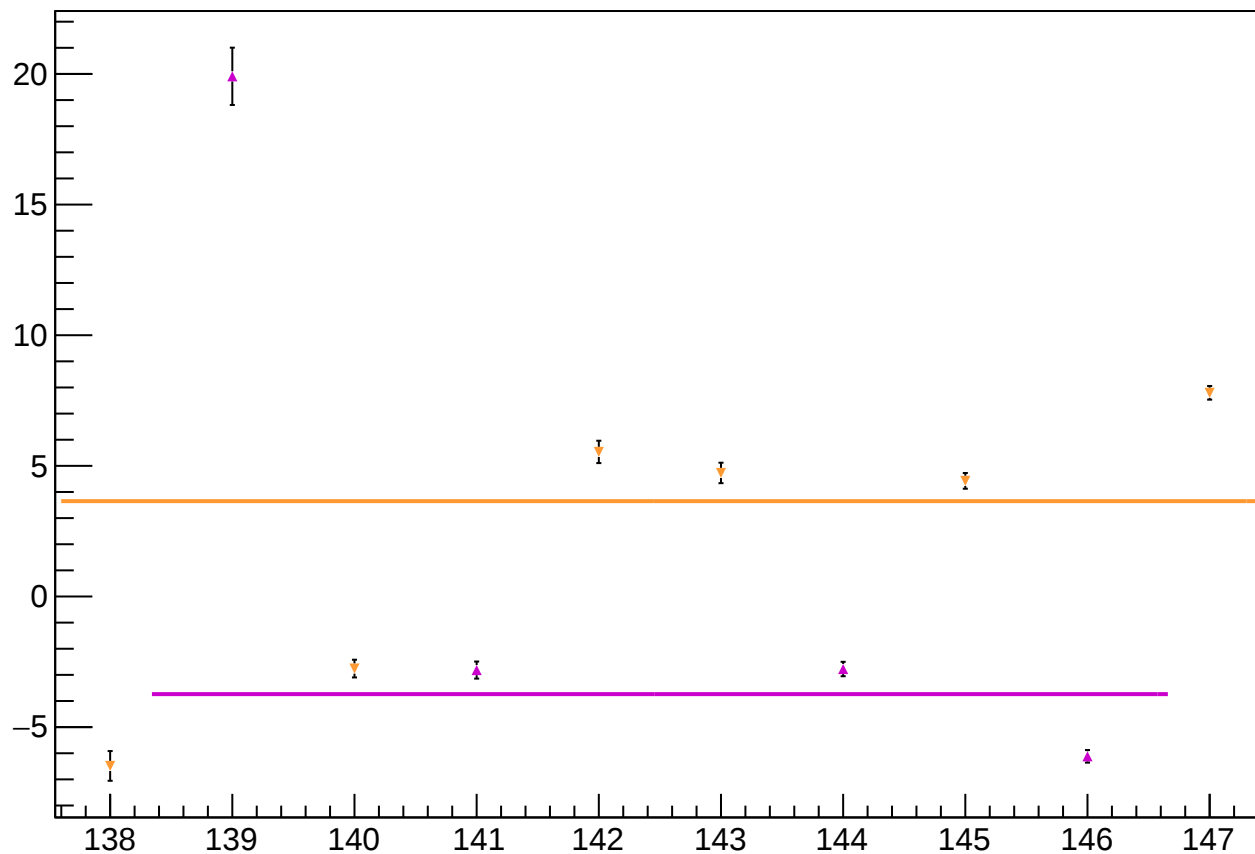
Left In: -8.399 ± 0.221 χ^2/NDF : 292.9/3

11.781 ± 0.202 χ^2/NDF : 1731.3/5

2.594 ± 0.149 χ^2/NDF : 6568.5/9

-8.399 ± 0.221 χ^2/NDF : 292.9/3

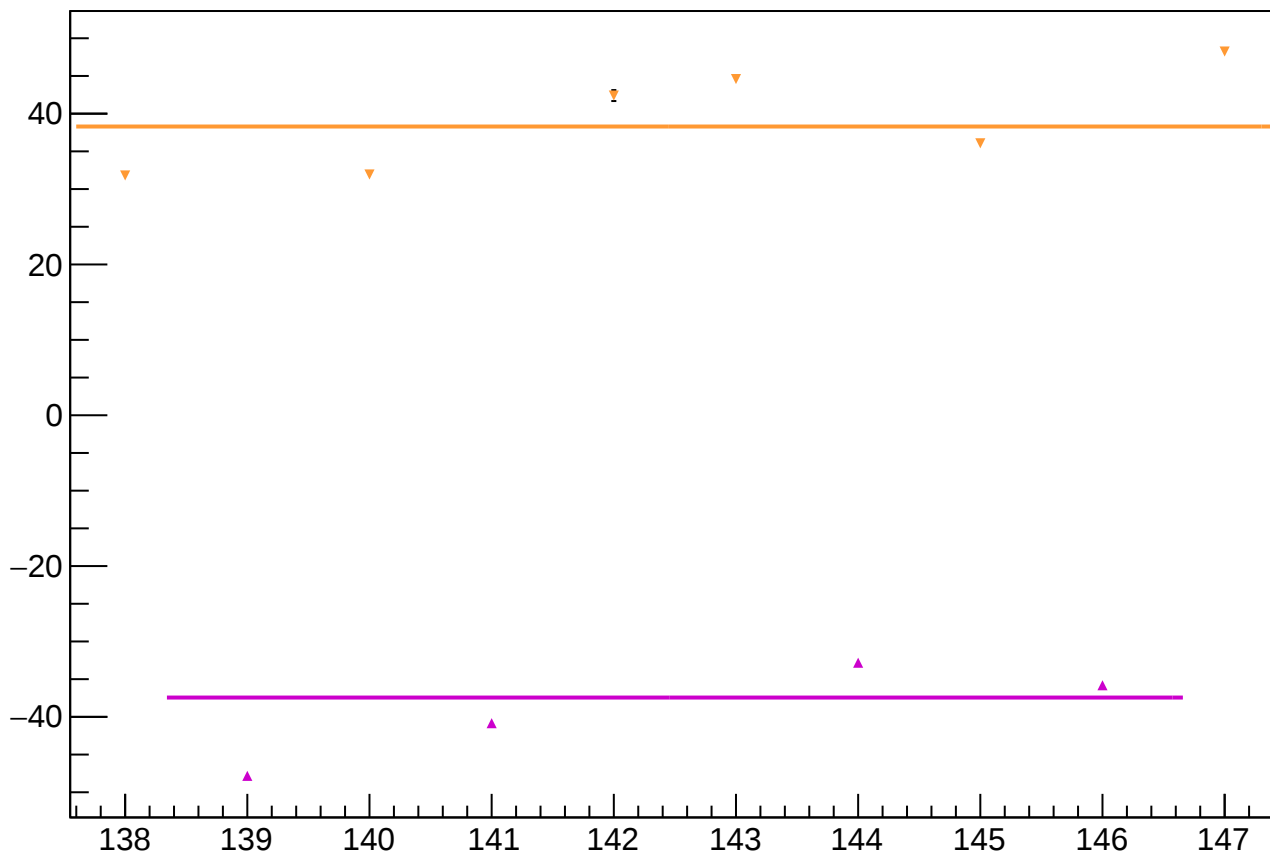
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.649+/-0.142 χ^2/NDF : 959.6/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.737+/-0.157 χ^2/NDF : 582.5/3

3.649+/-0.142 χ^2/NDF : 959.6/5
 0.325+/-0.105 χ^2/NDF : 2757.7/9
 -3.737+/-0.157 χ^2/NDF : 582.5/3

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 38.295+/-0.211 χ^2/NDF : 855.7/5

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

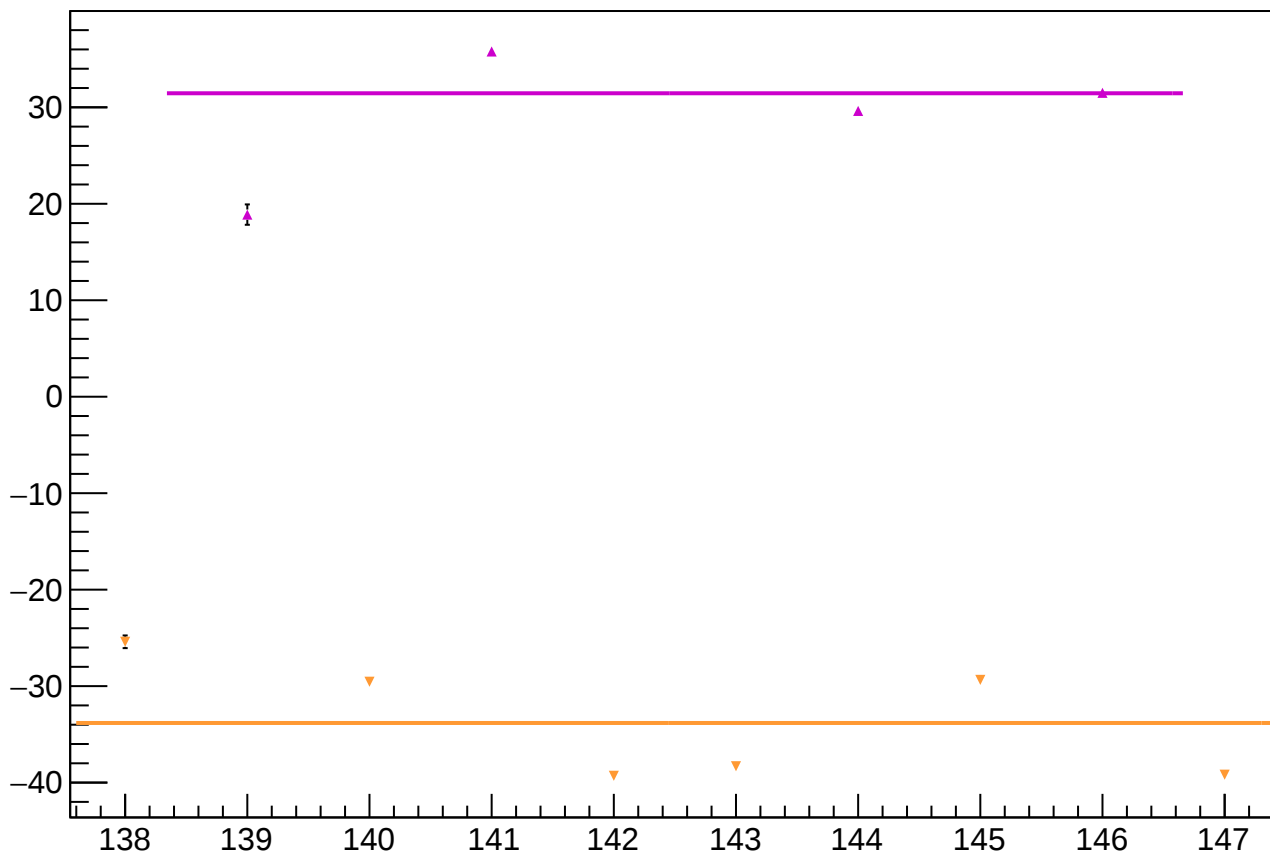
Left In: -37.439+/-0.228 χ^2/NDF : 440.7/3

38.295+/-0.211 χ^2/NDF : 855.7/5

3.332+/-0.155 χ^2/NDF : 60678.7/9

-37.439+/-0.228 χ^2/NDF : 440.7/3

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -33.820+/-0.175 χ^2/NDF : 863.3/5

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

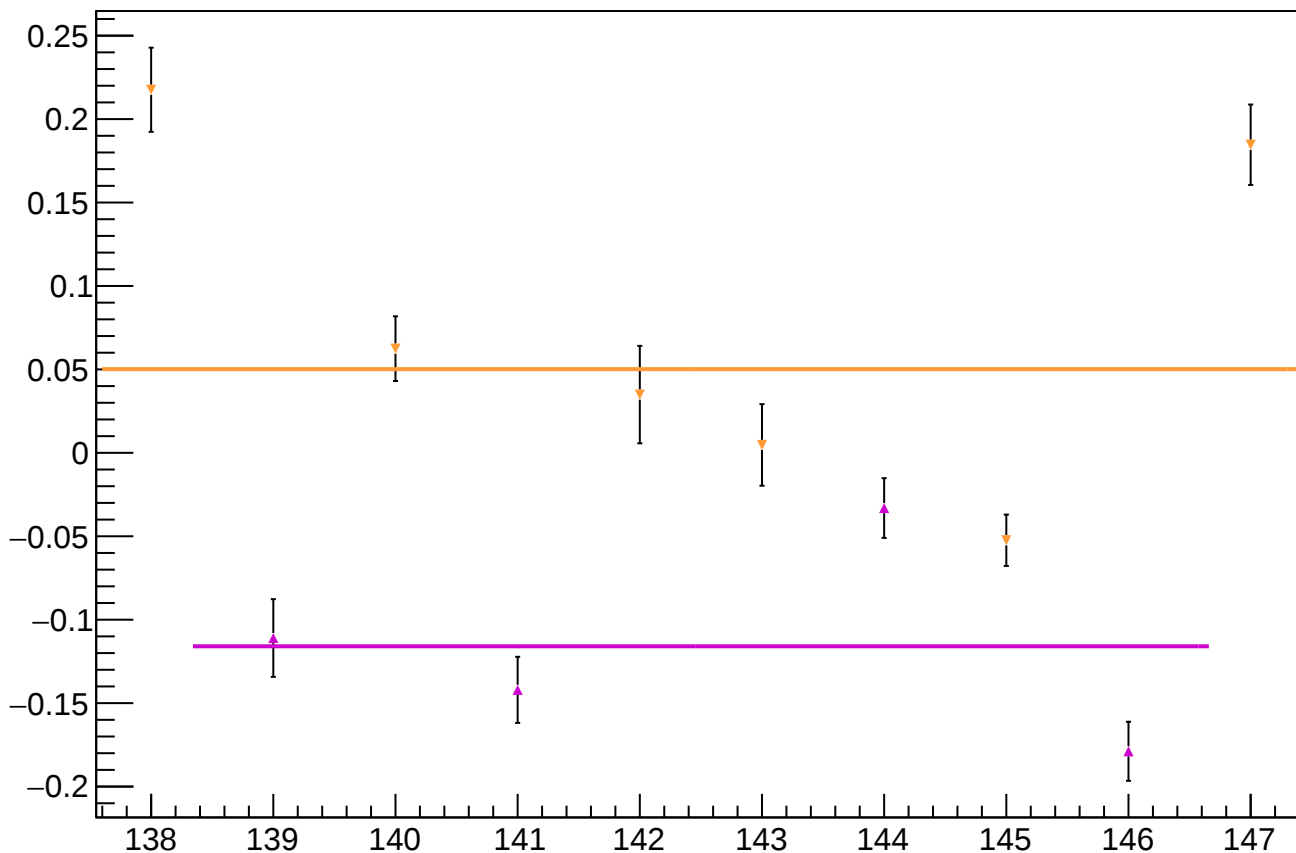
Left In: 31.456+/-0.191 χ^2/NDF : 293.9/3

-33.820+/-0.175 χ^2/NDF : 863.3/5

-3.974+/-0.129 χ^2/NDF : 64561.8/9

31.456+/-0.191 χ^2/NDF : 293.9/3

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.050 $\pm$ 0.009 χ^2/NDF : 123.8/5

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

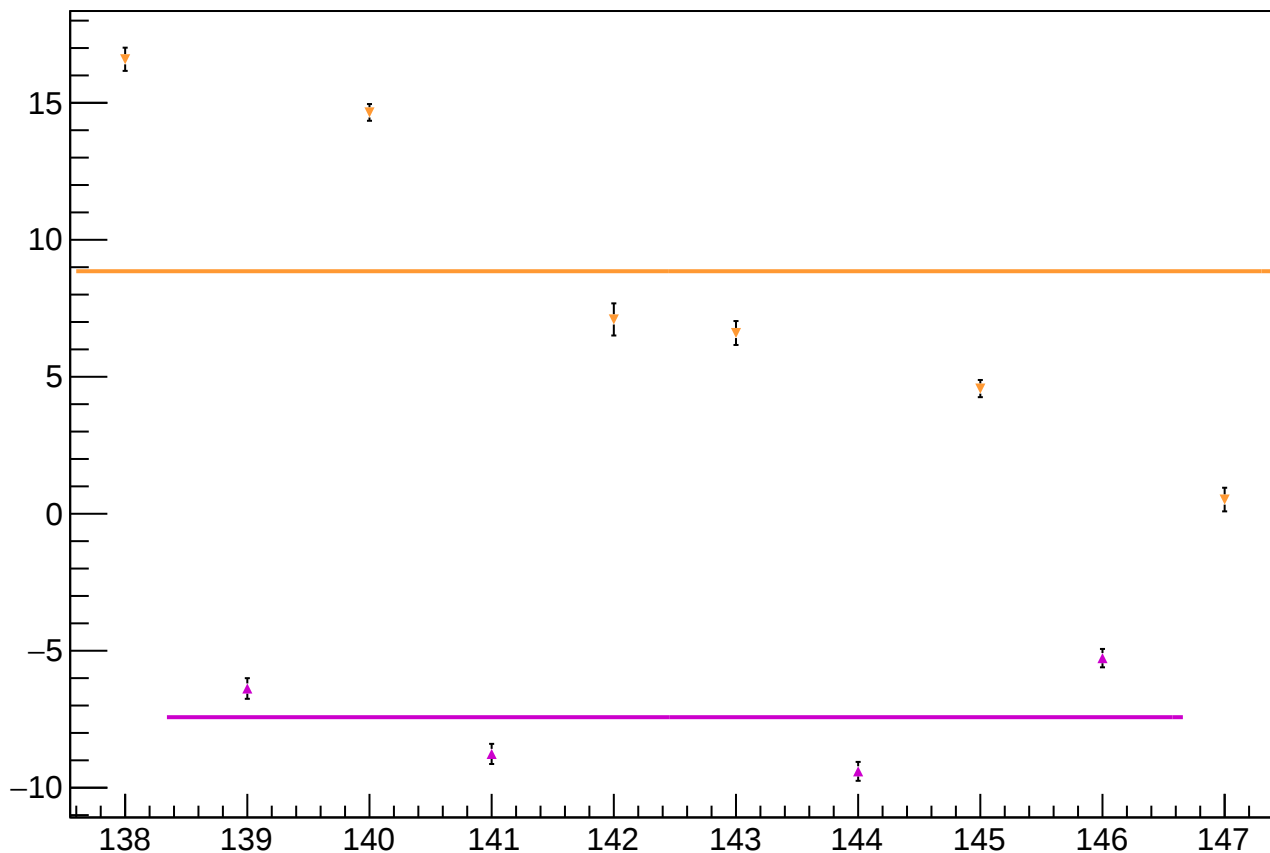
Left In: -0.116 $\pm$ 0.010 χ^2/NDF : 35.8/3

0.050 $\pm$ 0.009 χ^2/NDF : 123.8/5

-0.025 $\pm$ 0.006 χ^2/NDF : 321.8/9

-0.116 $\pm$ 0.010 χ^2/NDF : 35.8/3

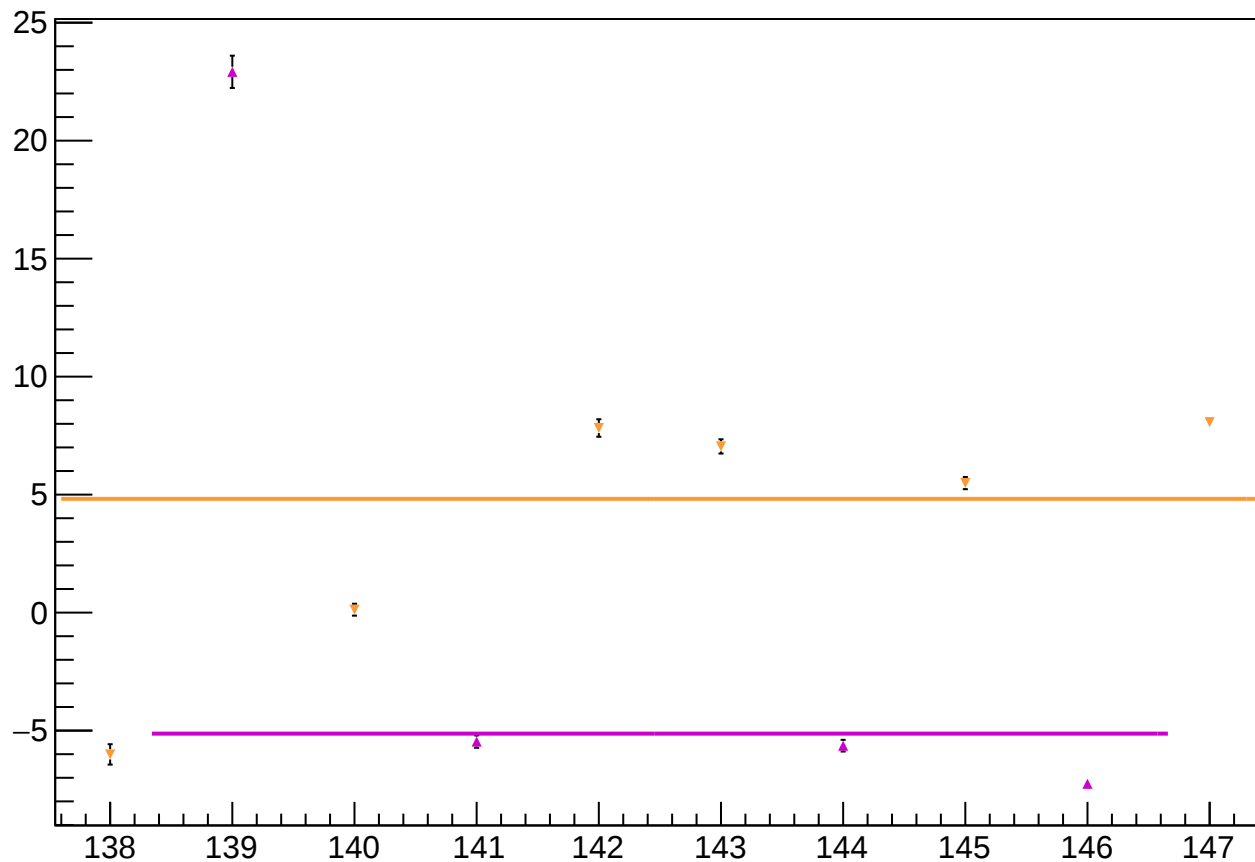
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.853+/-0.158 χ^2/NDF : 1289.8/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.426+/-0.178 χ^2/NDF : 95.2/3

8.853+/-0.158 χ^2/NDF : 1289.8/5
 1.652+/-0.118 χ^2/NDF : 6073.1/9
 -7.426+/-0.178 χ^2/NDF : 95.2/3

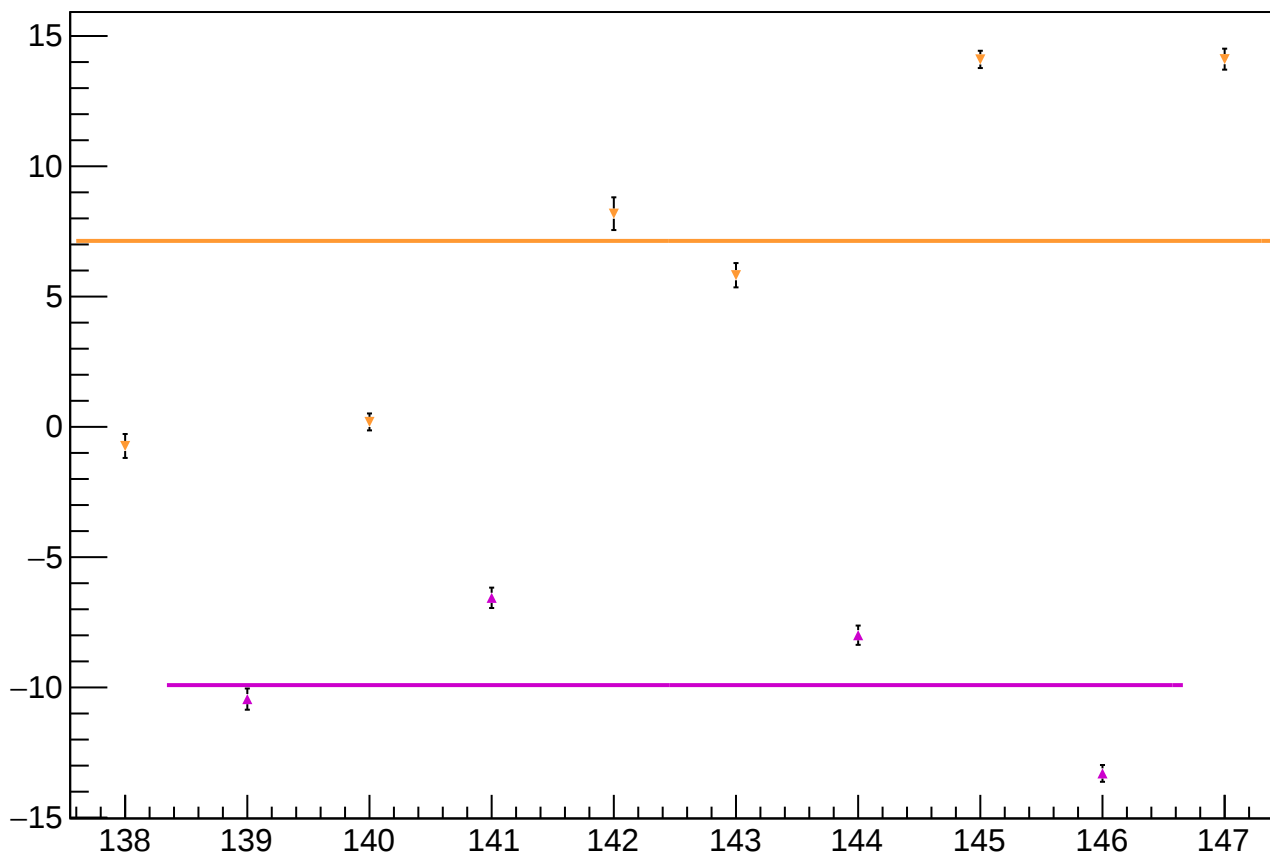
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.821+/-0.114 χ^2/NDF :1347.1/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.129+/-0.135 χ^2/NDF :1784.5/3

4.821+/-0.114 χ^2/NDF : 1347.1/5
 0.695+/-0.087 χ^2/NDF : 6310.9/9
 -5.129+/-0.135 χ^2/NDF : 1784.5/3

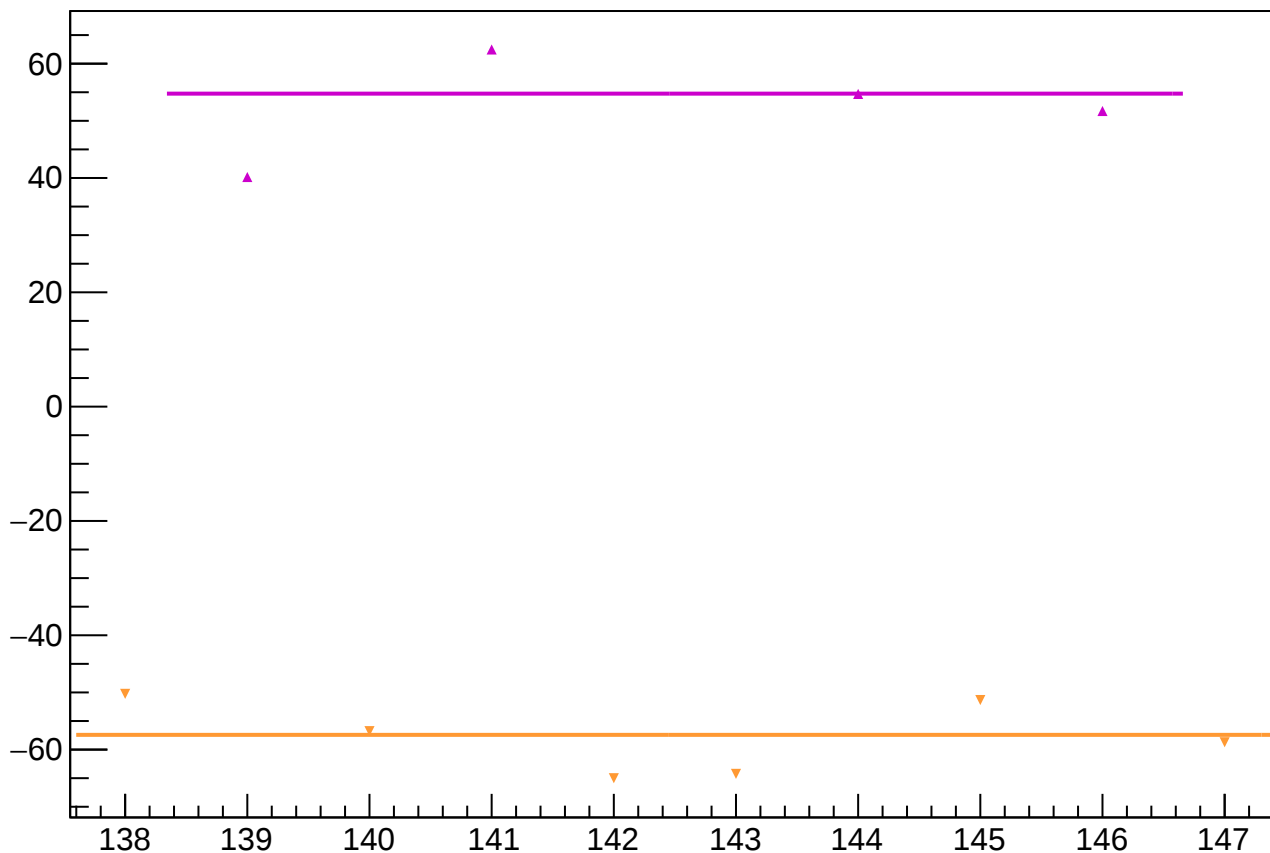
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.137+/-0.165 χ^2/NDF :1501.5/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -9.910+/-0.184 χ^2/NDF :212.6/3

7.137+/-0.165 χ^2/NDF : 1501.5/5
 -0.476+/-0.123 χ^2/NDF : 6462.2/9
 -9.910+/-0.184 χ^2/NDF : 212.6/3

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -57.421+/-0.140 χ^2/NDF : 1297.8/5

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

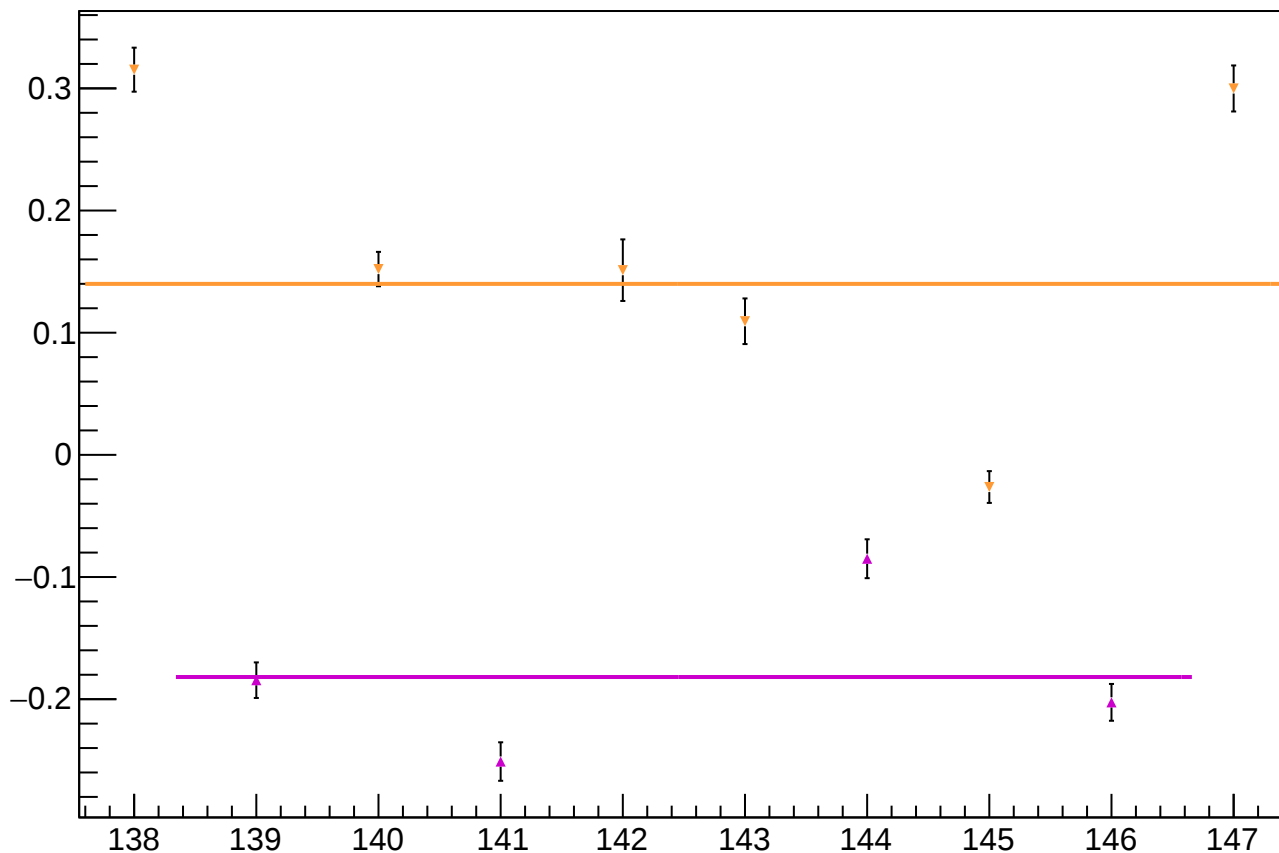
Left In: 54.756+/-0.162 χ^2/NDF : 1218.6/3

-57.421+/-0.140 χ^2/NDF : 1297.8/5

-9.487+/-0.106 χ^2/NDF : 278034.3/9

54.756+/-0.162 χ^2/NDF : 1218.6/3

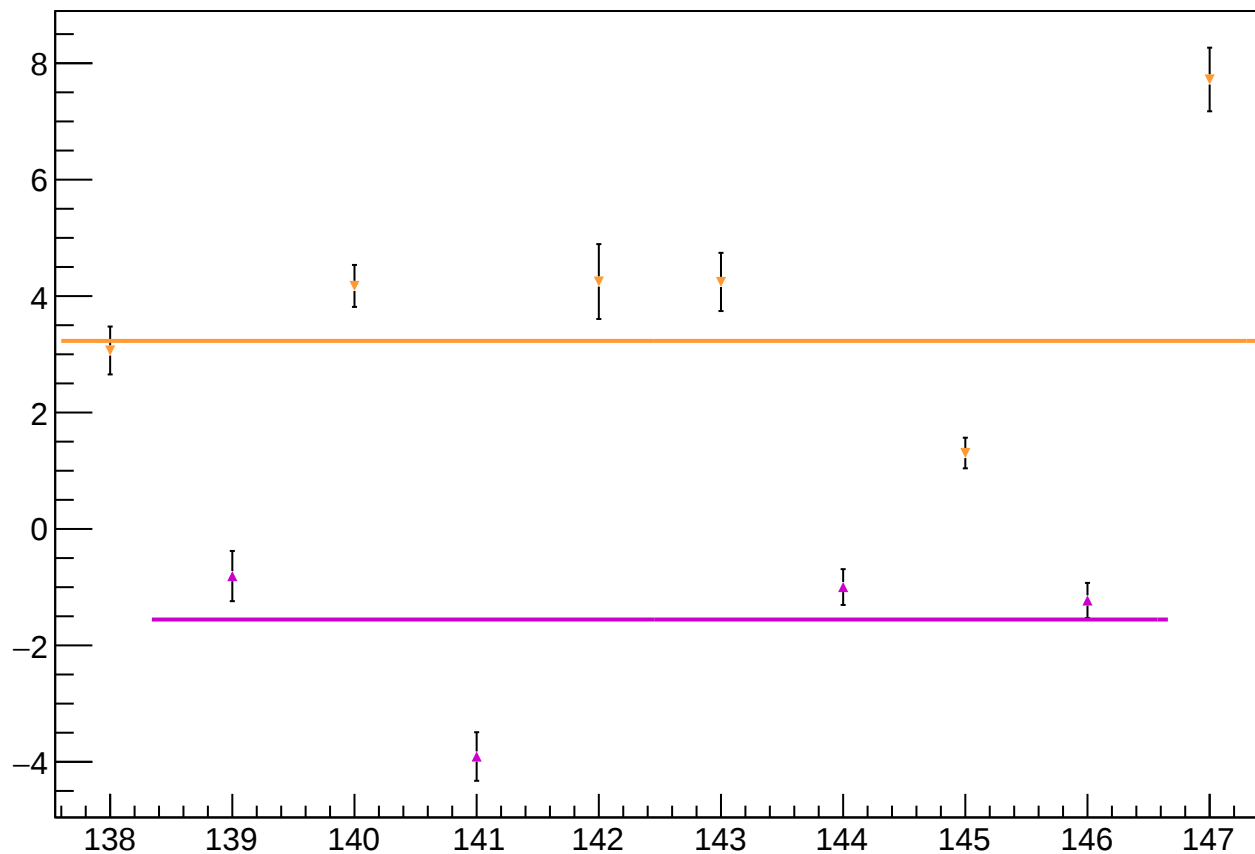
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.140 $\pm$ 0.007 χ^2 /NDF:333.8/5
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.182 $\pm$ 0.008 χ^2 /NDF:58.2/3

0.140 $\pm$ 0.007 χ^2 /NDF: 333.8/5
 -0.003 $\pm$ 0.005 χ^2 /NDF: 1374.1/9
 -0.182 $\pm$ 0.008 χ^2 /NDF: 58.2/3

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 3.231 $\pm$ 0.163 χ^2 /NDF: 134.8/5

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

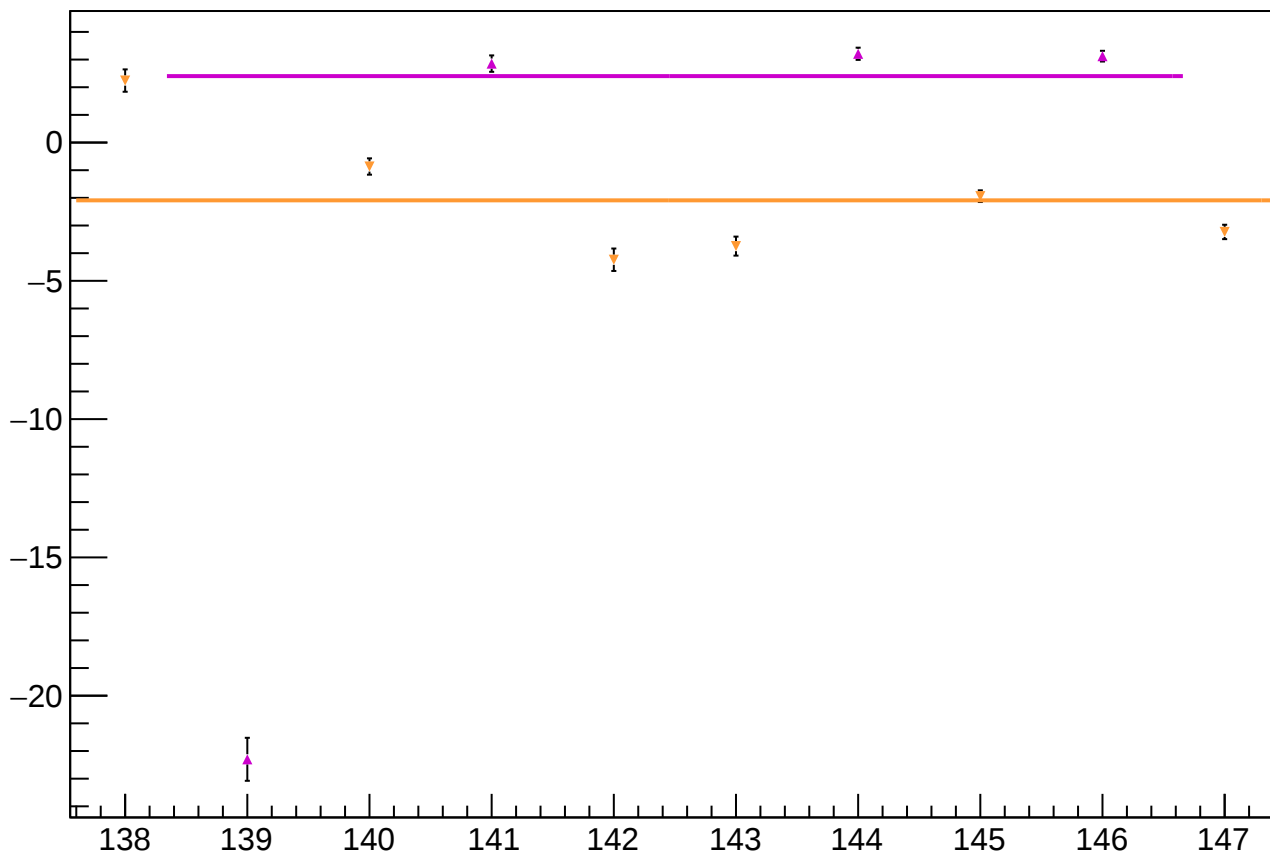
Left In: -1.556 $\pm$ 0.175 χ^2 /NDF: 39.3/3

3.231 $\pm$ 0.163 χ^2 /NDF: 134.8/5

1.011 $\pm$ 0.119 χ^2 /NDF: 576.0/9

-1.556 $\pm$ 0.175 χ^2 /NDF: 39.3/3

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.090+/-0.120 χ^2/NDF : 203.0/5

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

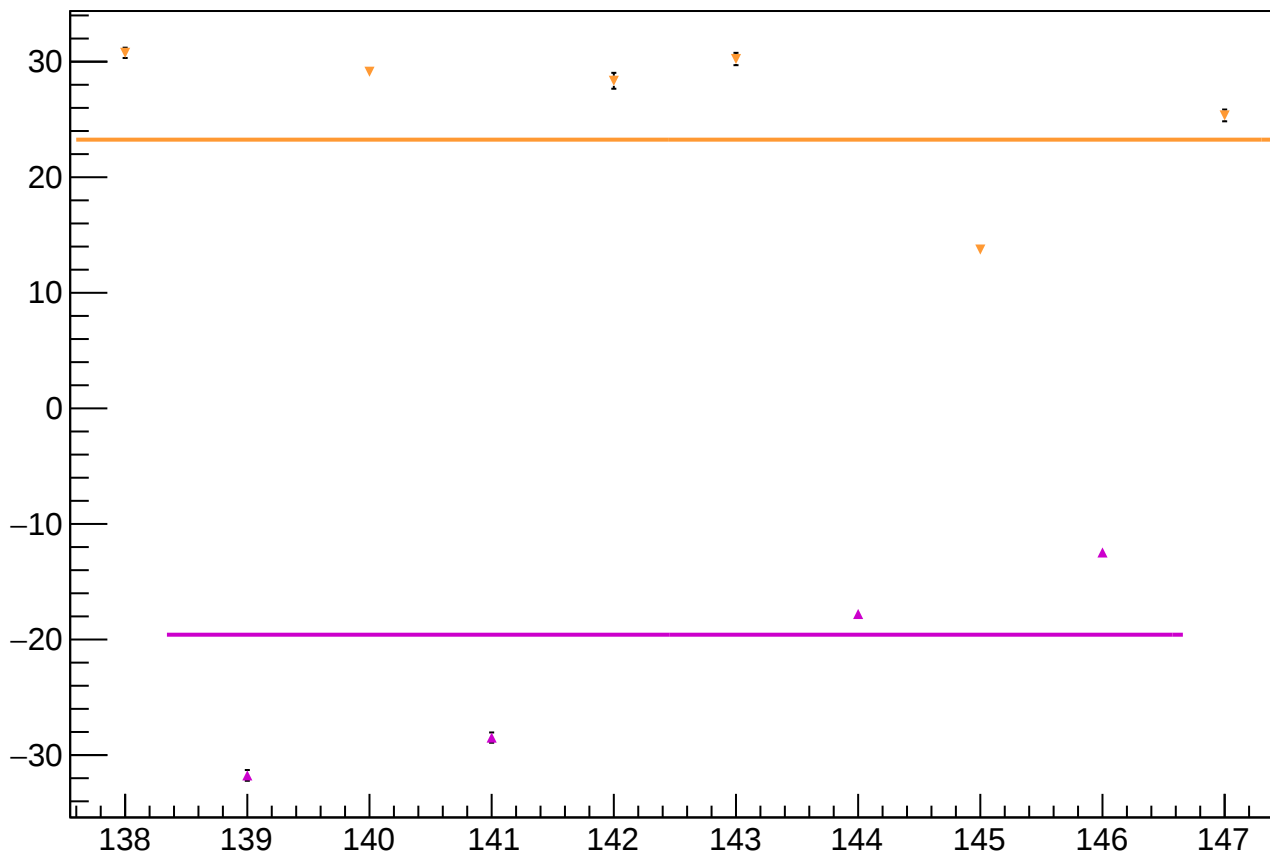
Left In: 2.402+/-0.129 χ^2/NDF : 1039.8/3

-2.090+/-0.120 χ^2/NDF : 203.0/5

-0.002+/-0.088 χ^2/NDF : 1892.7/9

2.402+/-0.129 χ^2/NDF : 1039.8/3

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 23.252+/-0.171 χ^2/NDF : 1911.7/5

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

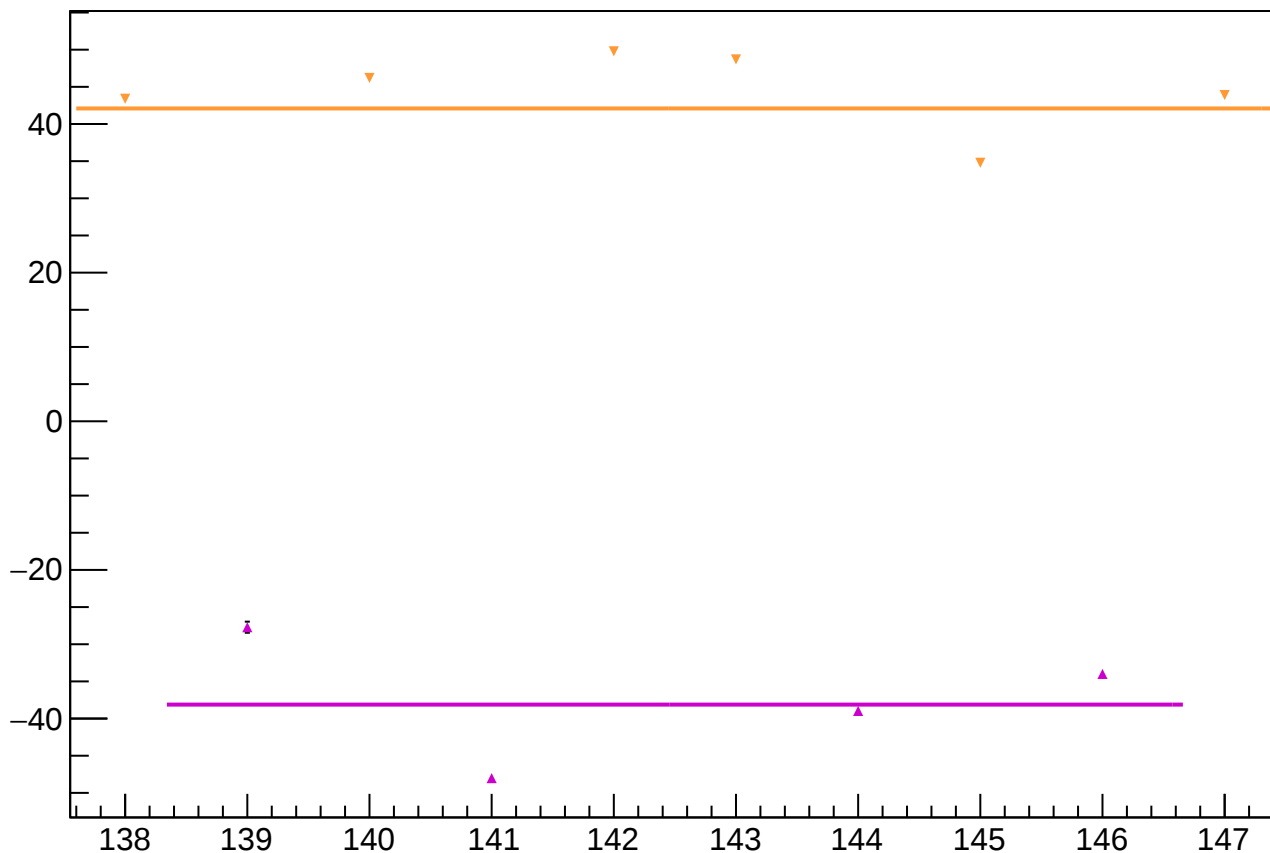
Left In: -19.584+/-0.180 χ^2/NDF : 1714.3/3

23.252+/-0.171 χ^2/NDF : 1911.7/5

2.910+/-0.124 χ^2/NDF : 33257.7/9

-19.584+/-0.180 χ^2/NDF : 1714.3/3

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 42.092+/-0.146 χ^2/NDF : 1562.2/5

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

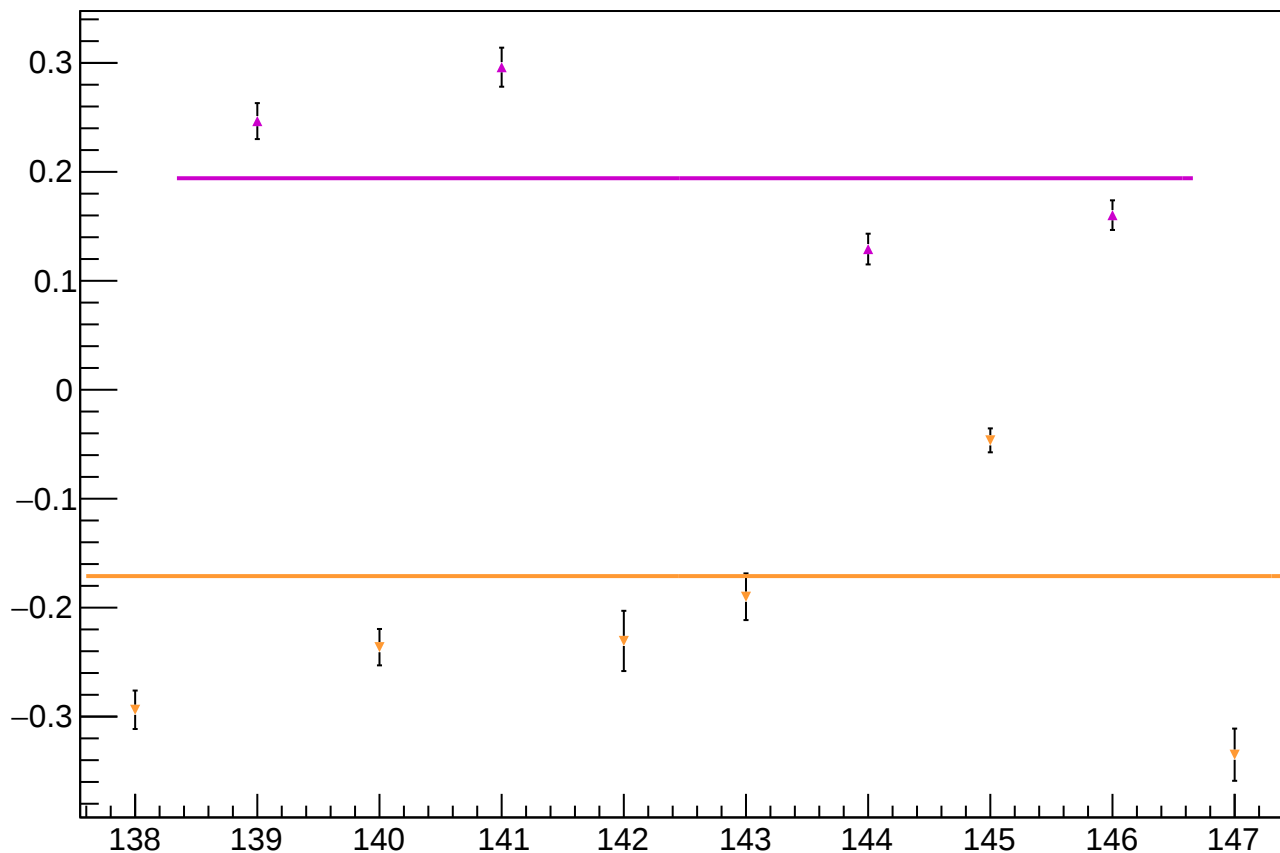
Left In: -38.121+/-0.155 χ^2/NDF : 1265.0/3

42.092+/-0.146 χ^2/NDF : 1562.2/5

4.482+/-0.106 χ^2/NDF : 144856.9/9

-38.121+/-0.155 χ^2/NDF : 1265.0/3

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.171+/-0.007 χ^2/NDF : 244.5/5

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

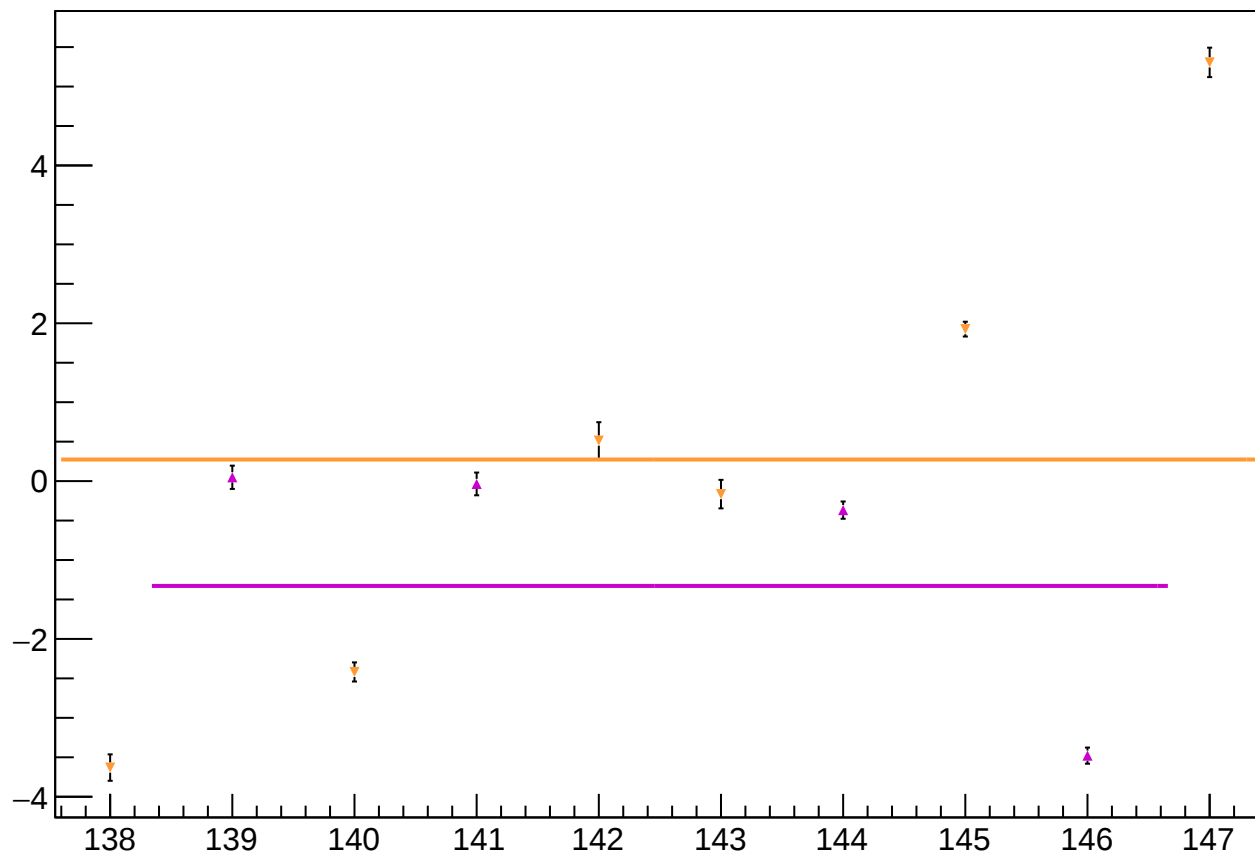
Left In: 0.194+/-0.008 χ^2/NDF : 69.9/3

-0.171+/-0.007 χ^2/NDF : 244.5/5

-0.004+/-0.005 χ^2/NDF : 1557.4/9

0.194+/-0.008 χ^2/NDF : 69.9/3

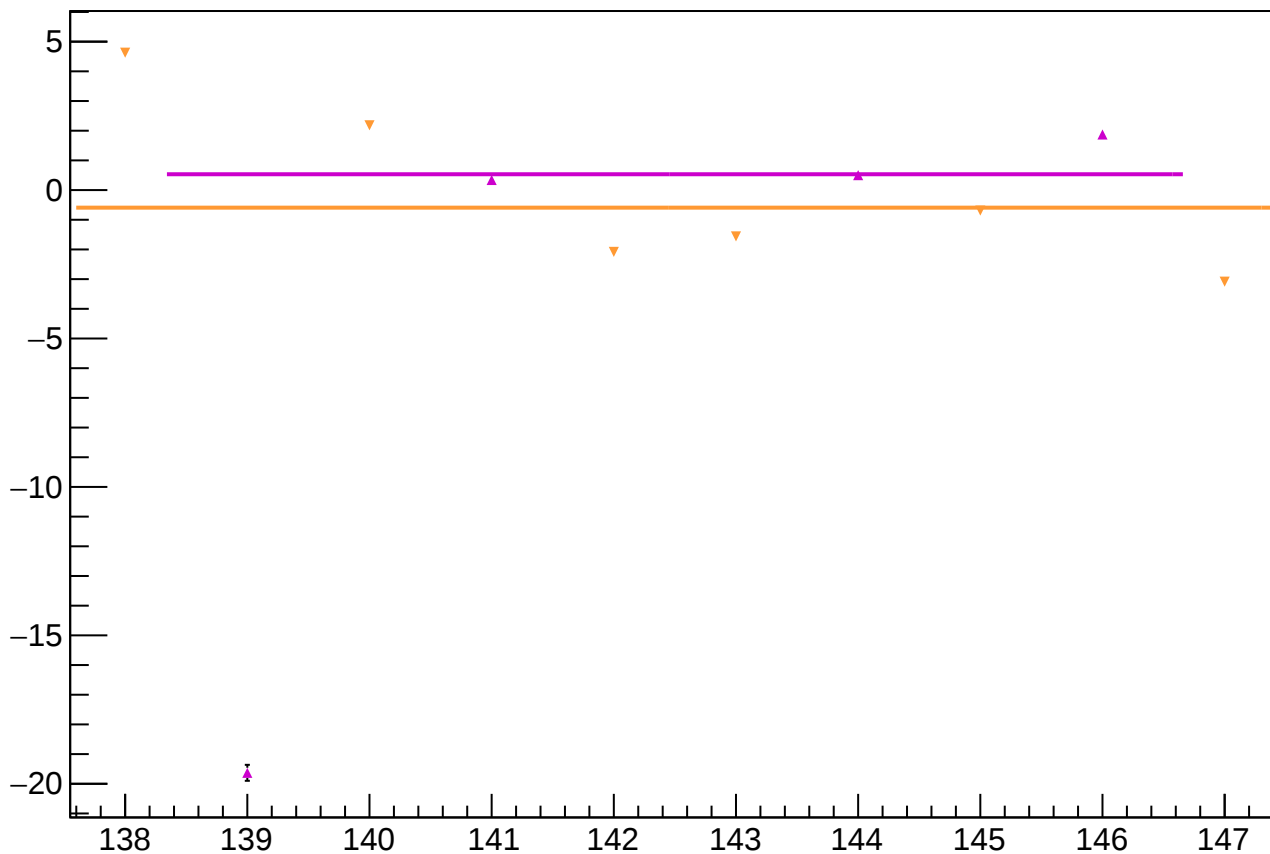
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.274 $\pm$ 0.058 χ^2 /NDF:2080.5/5
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.328 $\pm$ 0.061 χ^2 /NDF:686.5/3

0.274 $\pm$ 0.058 χ^2 /NDF: 2080.5/5
 -0.497 $\pm$ 0.042 χ^2 /NDF: 3130.9/9
 -1.328 $\pm$ 0.061 χ^2 /NDF: 686.5/3

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -0.592+/-0.043 χ^2/NDF : 2660.8/5

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

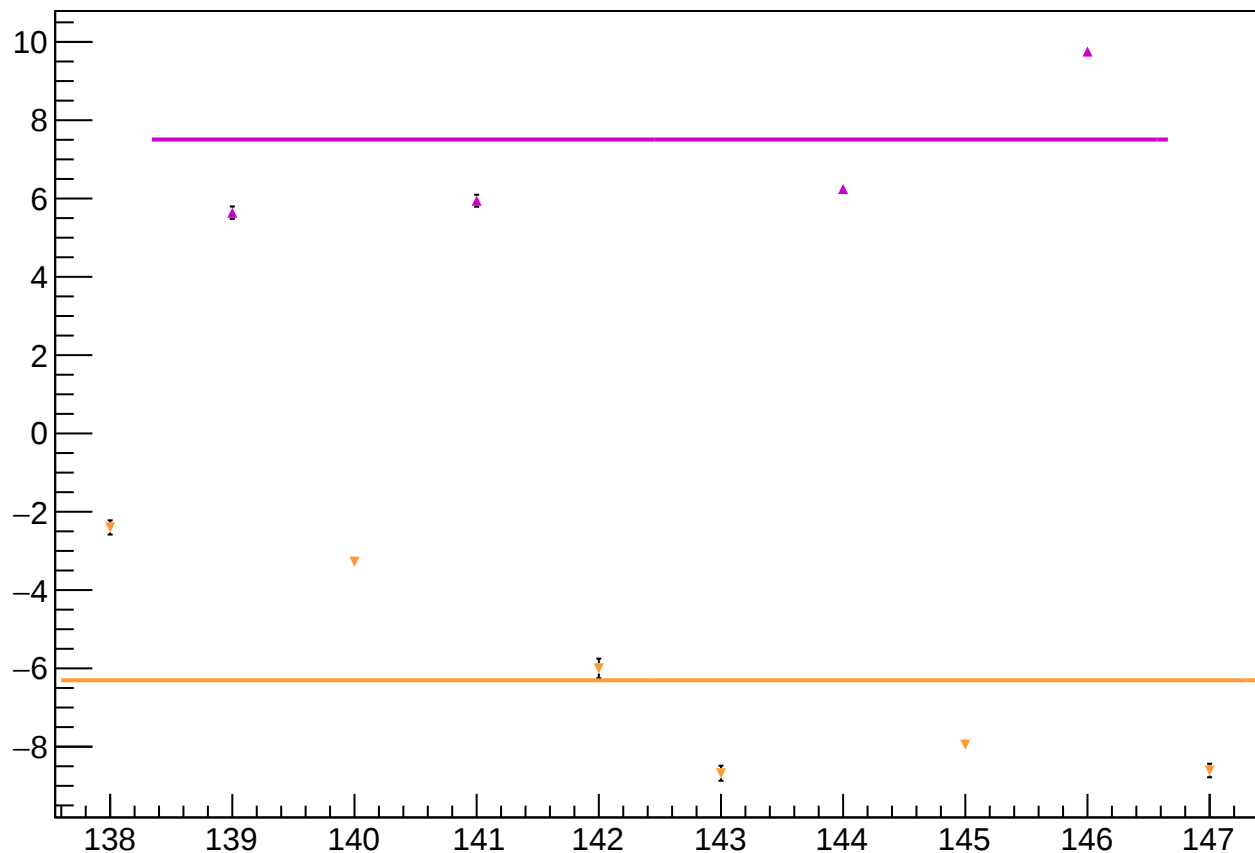
Left In: 0.533+/-0.045 χ^2/NDF : 6026.2/3

-0.592+/-0.043 χ^2/NDF : 2660.8/5

-0.054+/-0.031 χ^2/NDF : 9014.0/9

0.533+/-0.045 χ^2/NDF : 6026.2/3

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -6.304+/-0.061 χ^2/NDF : 1612.9/5

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

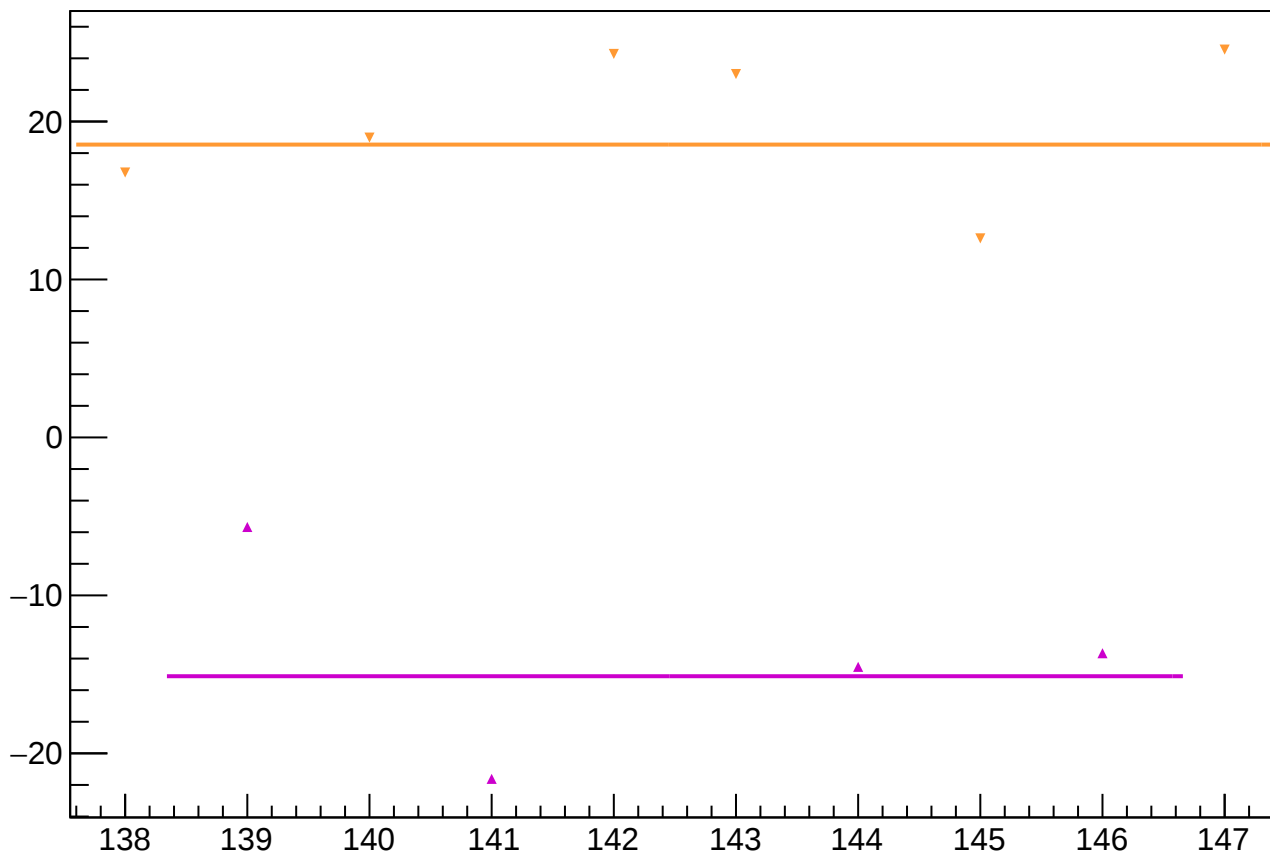
Left In: 7.507+/-0.062 χ^2/NDF : 878.0/3

-6.304+/-0.061 χ^2/NDF : 1612.9/5

0.478+/-0.044 χ^2/NDF : 27491.4/9

7.507+/-0.062 χ^2/NDF : 878.0/3

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 18.539+/-0.052 χ^2/NDF : 8946.1/5

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

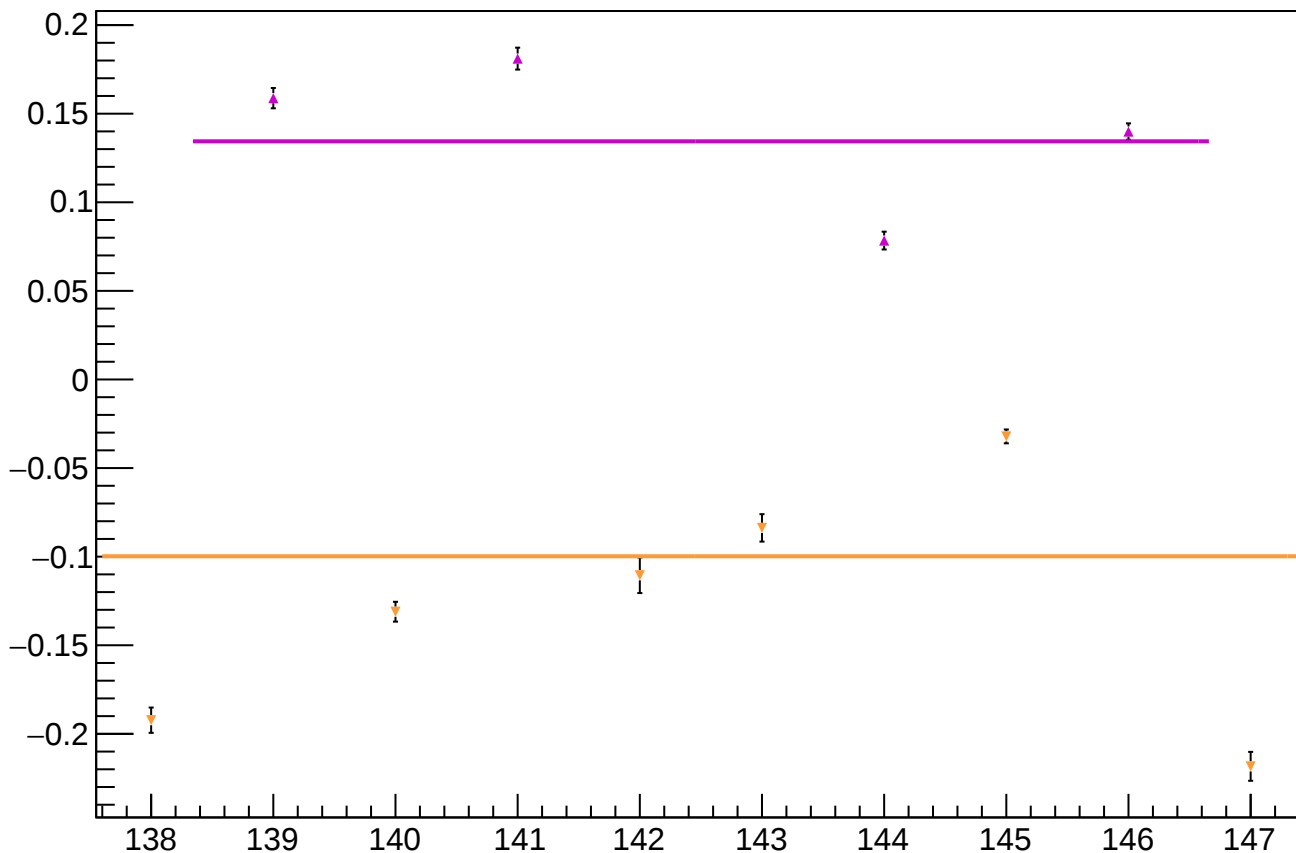
Left In: -15.117+/-0.054 χ^2/NDF : 4435.6/3

18.539+/-0.052 χ^2/NDF : 8946.1/5

2.247+/-0.038 χ^2/NDF : 214035.0/9

-15.117+/-0.054 χ^2/NDF : 4435.6/3

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.100+/-0.003 χ^2 /NDF: 715.1/5

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

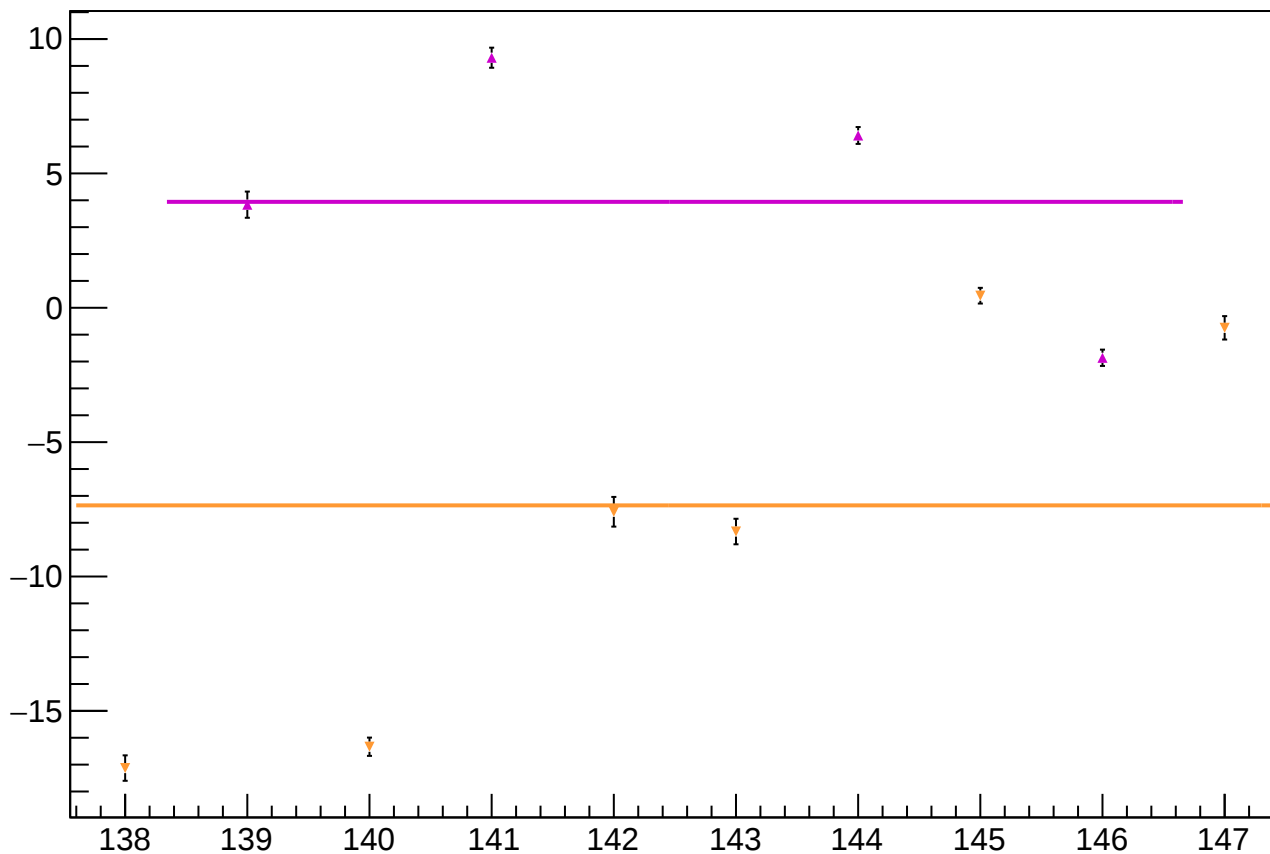
Left In: 0.134+/-0.003 χ^2 /NDF: 200.7/3

-0.100+/-0.003 χ^2 /NDF: 715.1/5

0.011+/-0.002 χ^2 /NDF: 5035.9/9

0.134+/-0.003 χ^2 /NDF: 200.7/3

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -7.353+/-0.163 χ^2/NDF : 2072.6/5

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

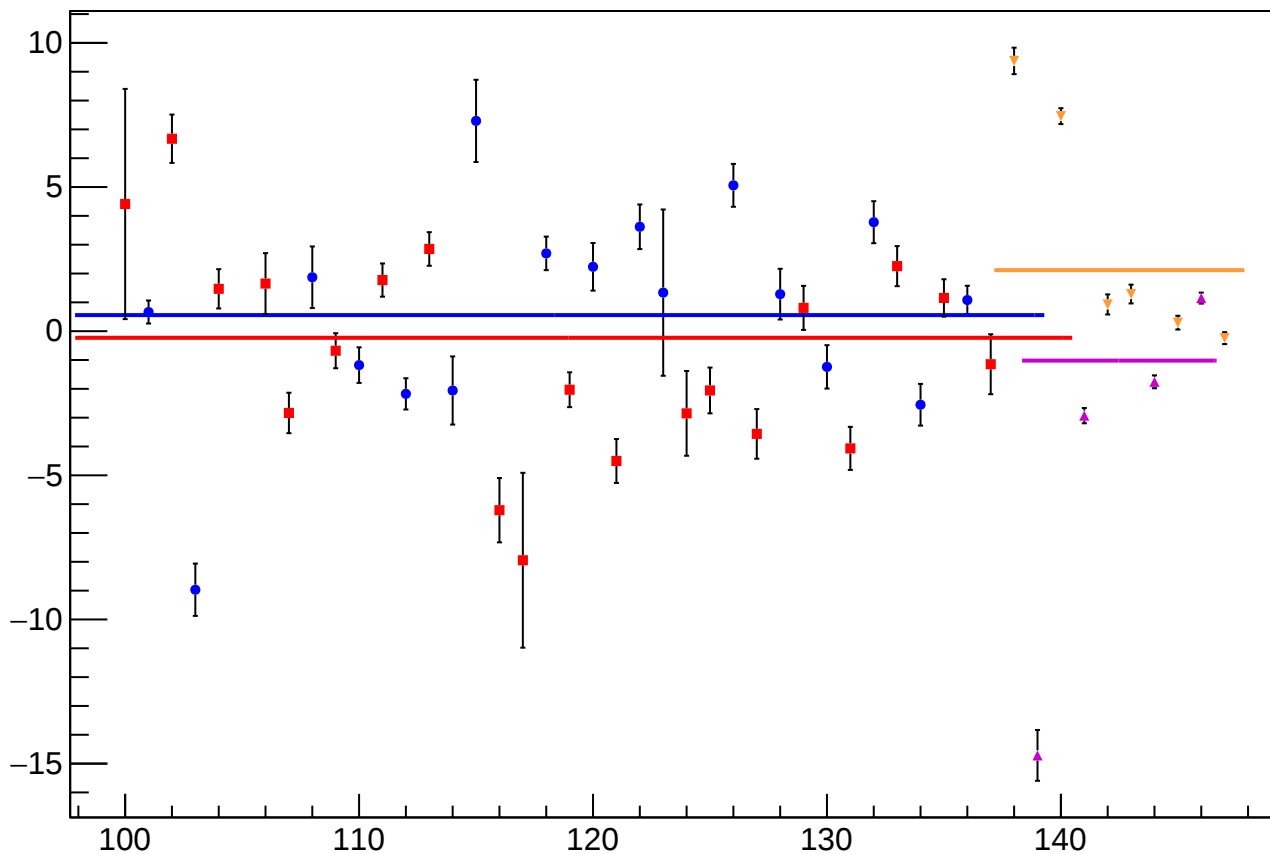
Left In: 3.942+/-0.176 χ^2/NDF : 633.6/3

-7.353+/-0.163 χ^2/NDF : 2072.6/5

-2.142+/-0.119 χ^2/NDF : 4932.1/9

3.942+/-0.176 χ^2/NDF : 633.6/3

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 2.117 ± 0.114 χ^2/NDF : 829.3/5

Right Out: -0.230 ± 0.174 χ^2/NDF : 278.5/19

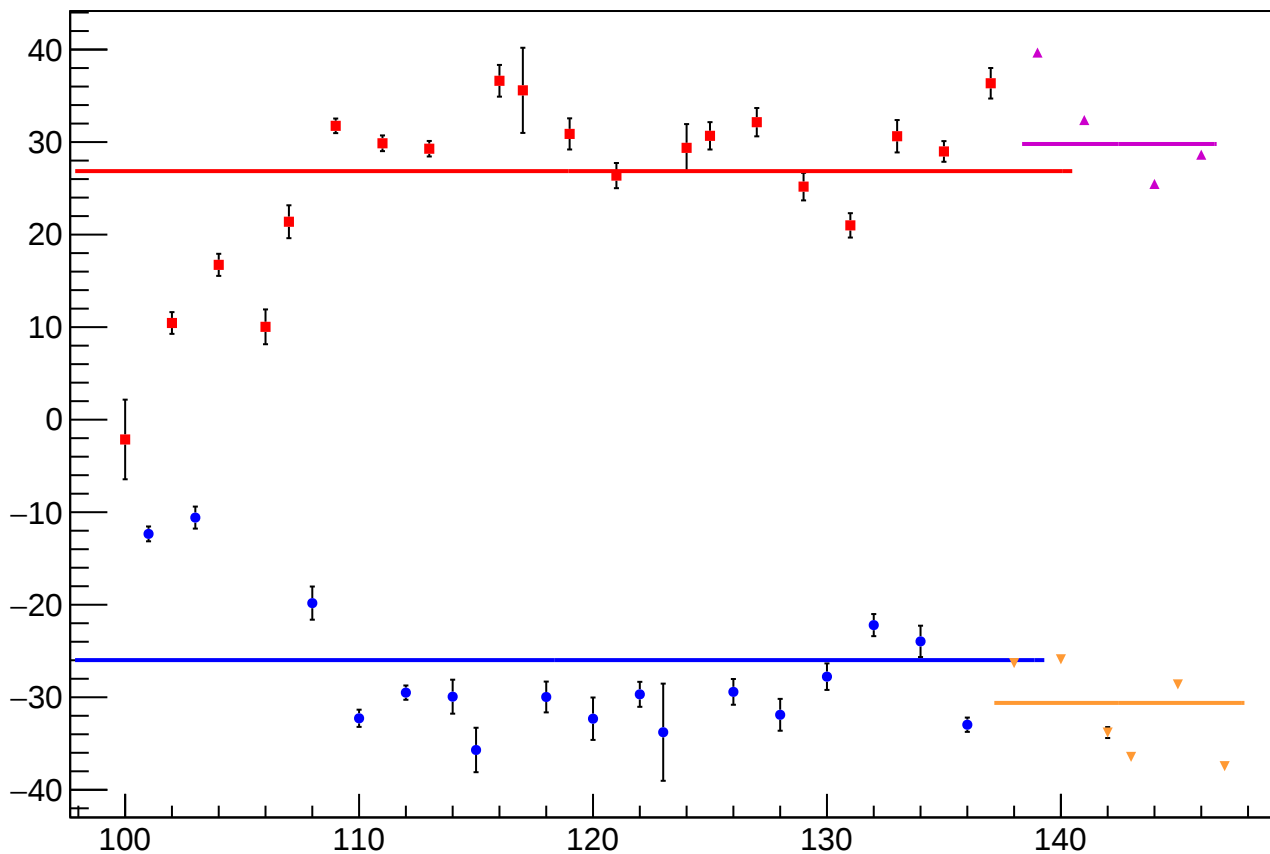
Left In: -1.020 ± 0.126 χ^2/NDF : 433.1/3

1.631 ± 0.095 χ^2/NDF : 1175.0/22

0.528 ± 0.070 χ^2/NDF : 2191.2/46

-0.749 ± 0.102 χ^2/NDF : 725.2/23

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.984 $\pm$ 0.300 χ^2 /NDF: 691.5/16

Left Out: -30.610 $\pm$ 0.170 χ^2 /NDF: 725.8/5

Right Out: 26.861 $\pm$ 0.297 χ^2 /NDF: 585.2/19

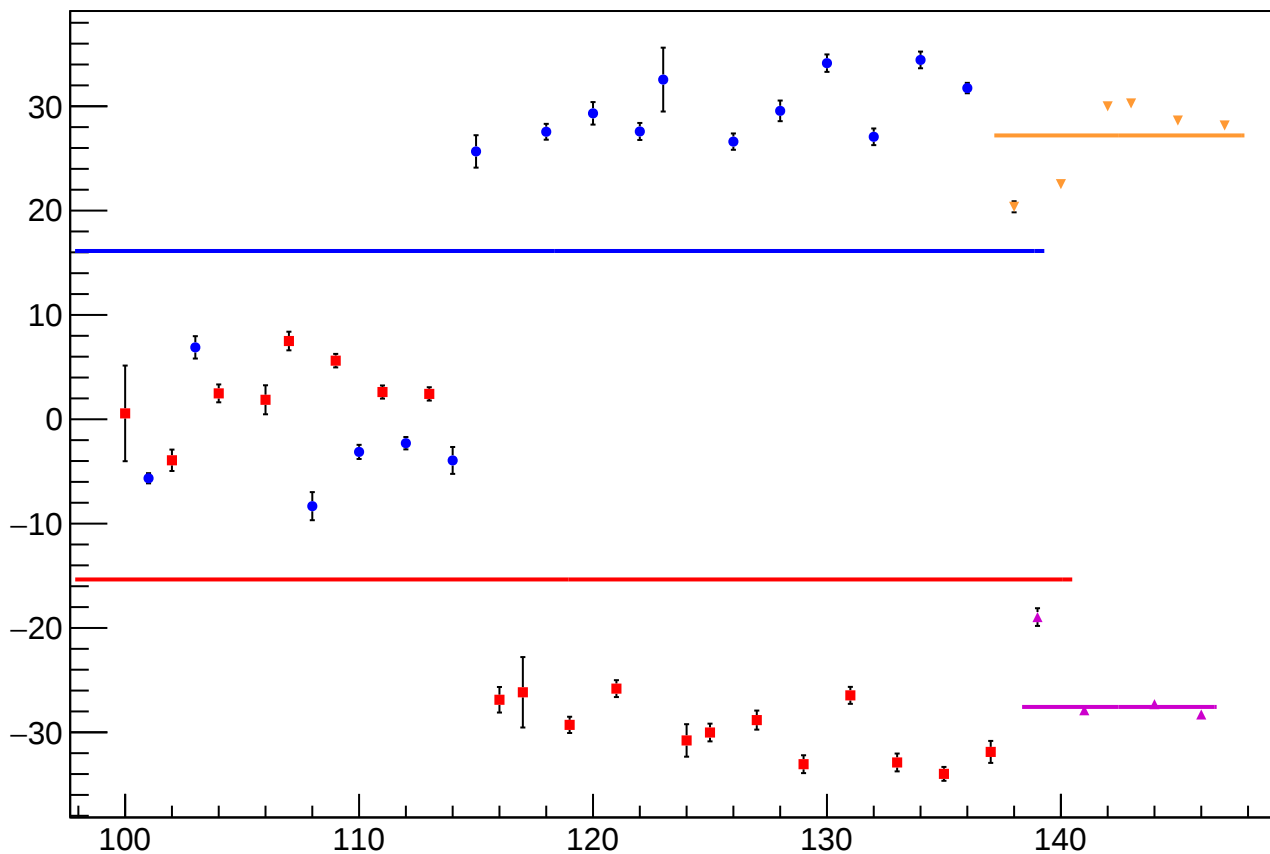
Left In: 29.794 $\pm$ 0.181 χ^2 /NDF: 573.9/3

-29.490 $\pm$ 0.148 χ^2 /NDF: 1597.0/22

-1.543 $\pm$ 0.107 χ^2 /NDF: 77618.2/46

29.000 $\pm$ 0.155 χ^2 /NDF: 1230.2/23

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129+/-0.192 χ^2/NDF : 7572.5/16

Left Out: 27.202+/-0.141 χ^2/NDF : 504.5/5

Right Out: -15.352+/-0.197 χ^2/NDF : 7288.4/19

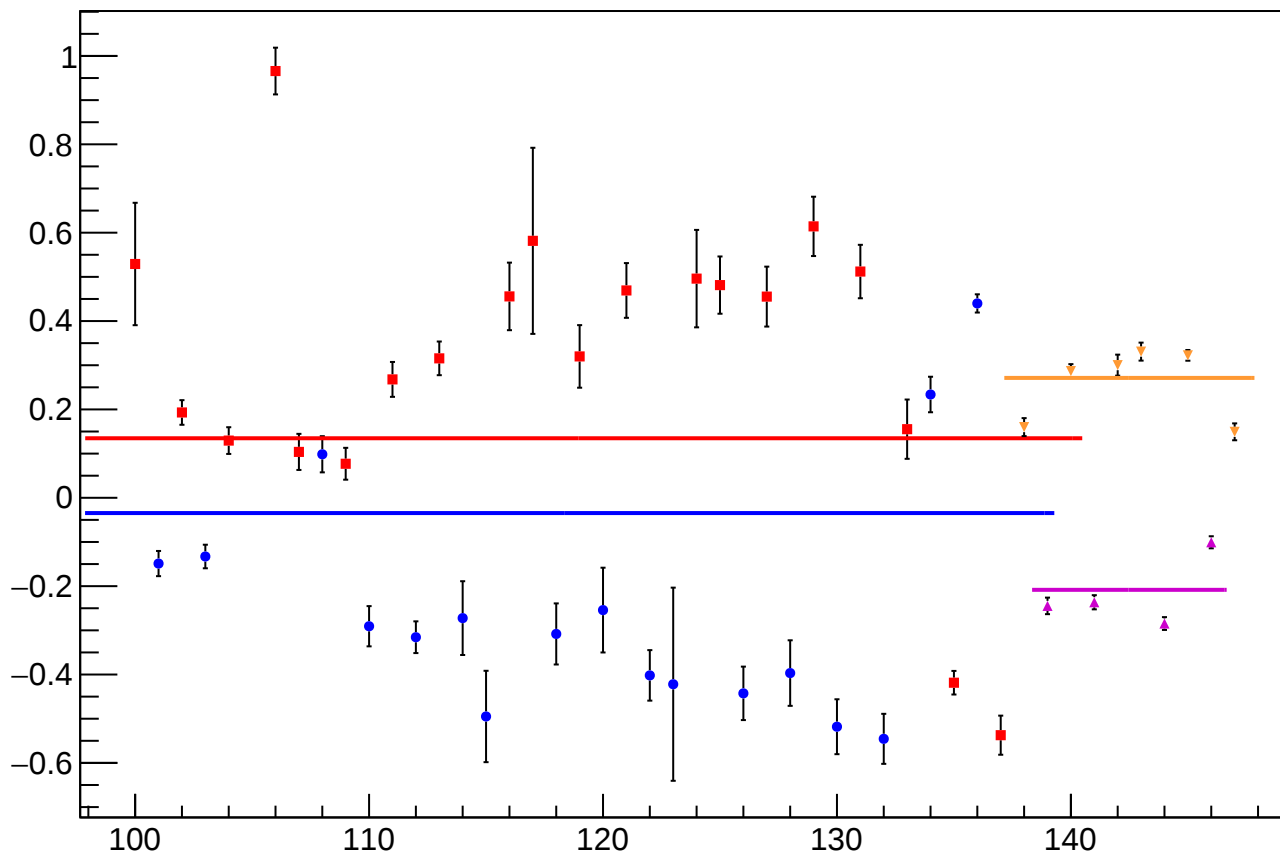
Left In: -27.568+/-0.153 χ^2/NDF : 114.1/3

23.317+/-0.114 χ^2/NDF : 10234.9/22

1.522+/-0.083 χ^2/NDF : 97993.1/46

-22.975+/-0.121 χ^2/NDF : 9809.8/23

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035±/0.010 χ^2/NDF : 1011.6/16

Left Out: 0.271±/0.007 χ^2/NDF : 99.4/5

Right Out: 0.135±/0.010 χ^2/NDF : 1166.4/19

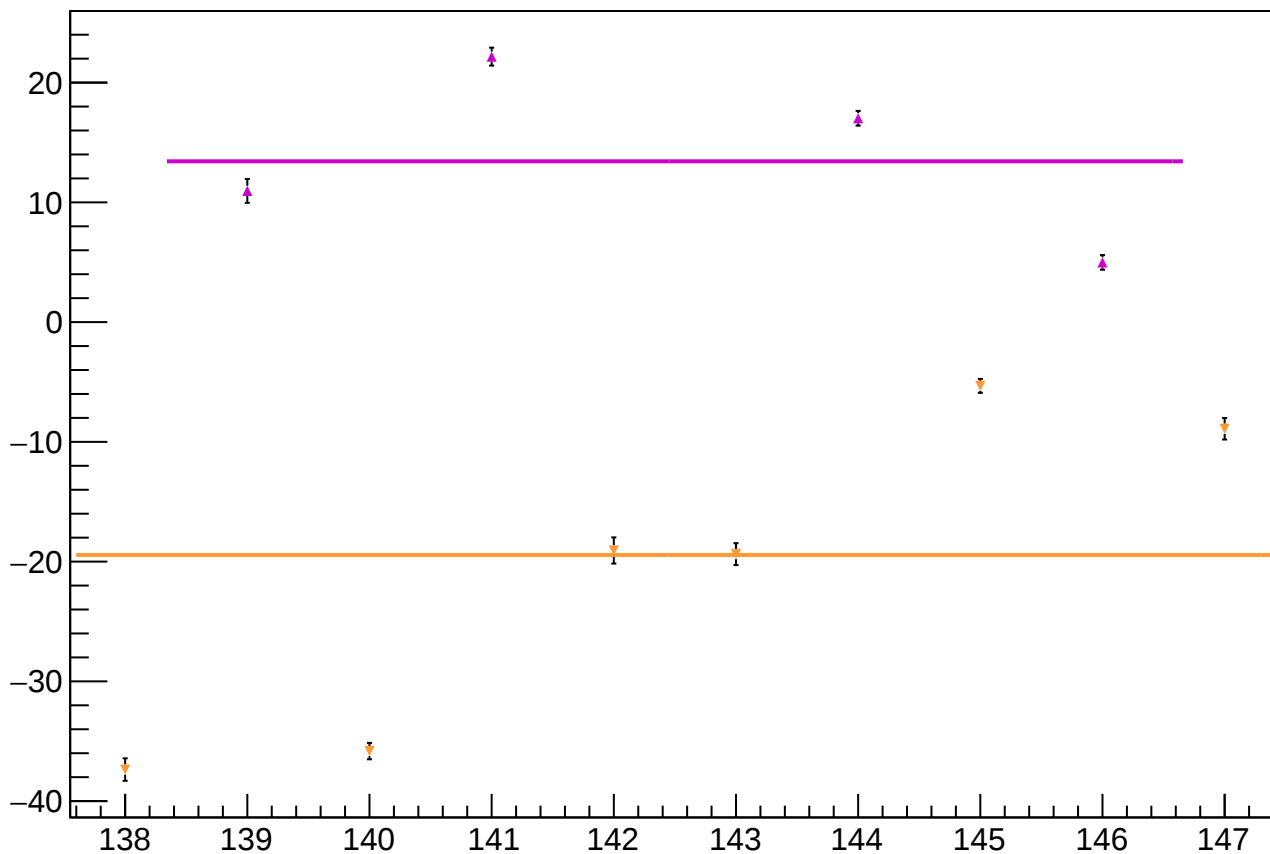
Left In: -0.208±/0.008 χ^2/NDF : 96.5/3

0.174±/0.006 χ^2/NDF : 1709.5/22

0.052±/0.004 χ^2/NDF : 4619.2/46

-0.086±/0.006 χ^2/NDF : 1968.7/23

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -19.444+/-0.324 χ^2/NDF : 1663.7/5

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

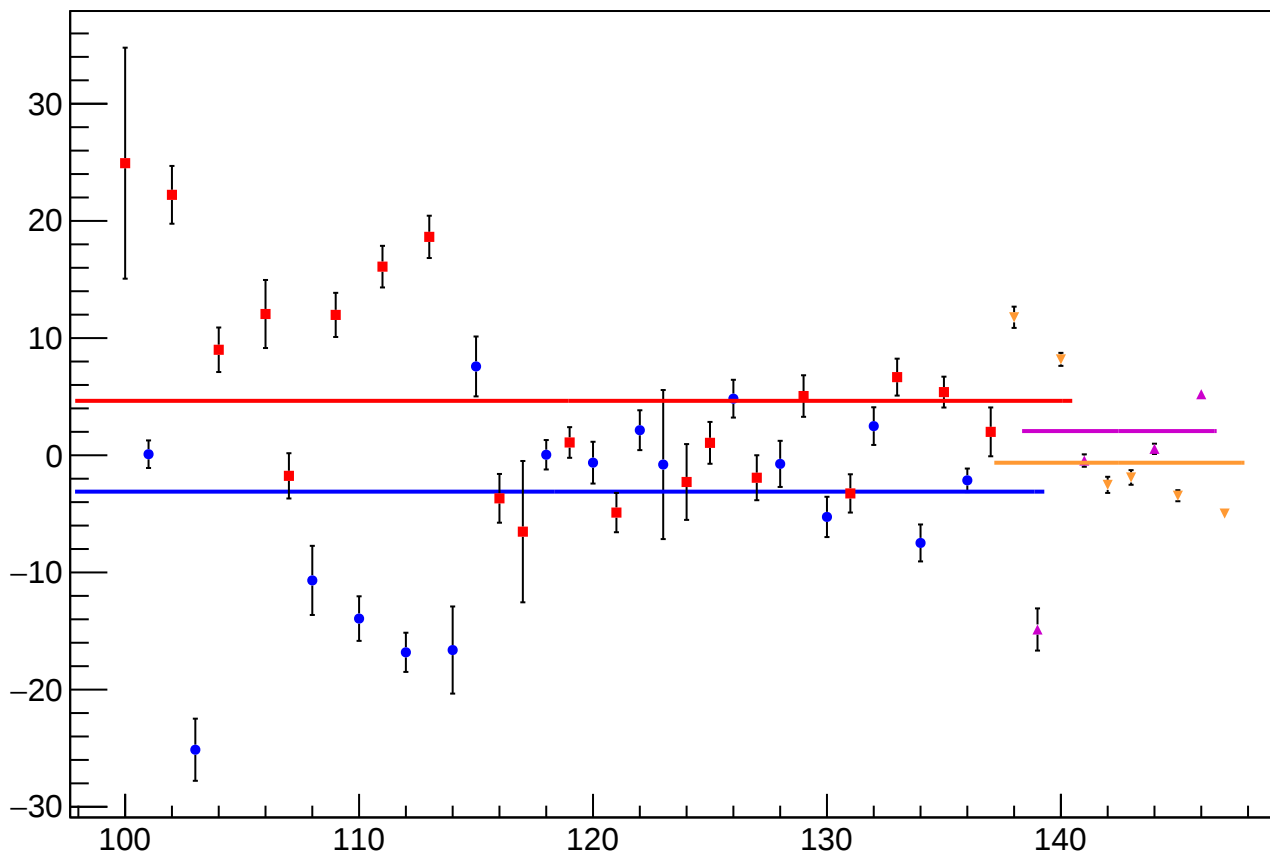
Left In: 13.427+/-0.351 χ^2/NDF : 368.0/3

-19.444+/-0.324 χ^2/NDF : 1663.7/5

-4.299+/-0.238 χ^2/NDF : 6760.4/9

13.427+/-0.351 χ^2/NDF : 368.0/3

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -0.636 ± 0.229 χ^2/NDF : 590.7/5

Right Out: 4.645 ± 0.425 χ^2/NDF : 301.1/19

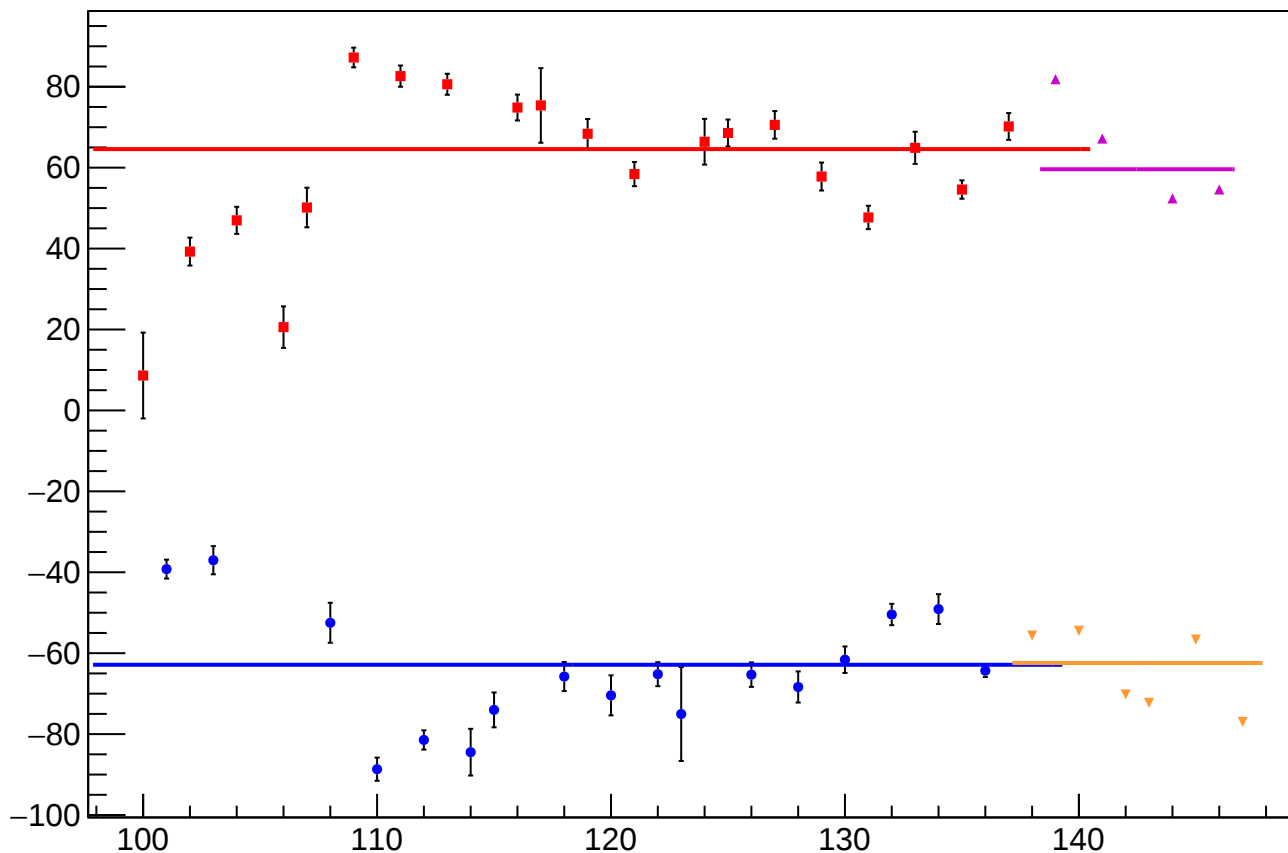
Left In: 2.065 ± 0.249 χ^2/NDF : 192.4/3

-1.220 ± 0.200 χ^2/NDF : 897.3/22

0.608 ± 0.146 χ^2/NDF : 1598.6/46

2.725 ± 0.215 χ^2/NDF : 520.8/23

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863±/0.741 χ^2/NDF : 368.7/16

Left Out: -62.431±/0.339 χ^2/NDF : 699.8/5

Right Out: 64.588±/0.749 χ^2/NDF : 445.6/19

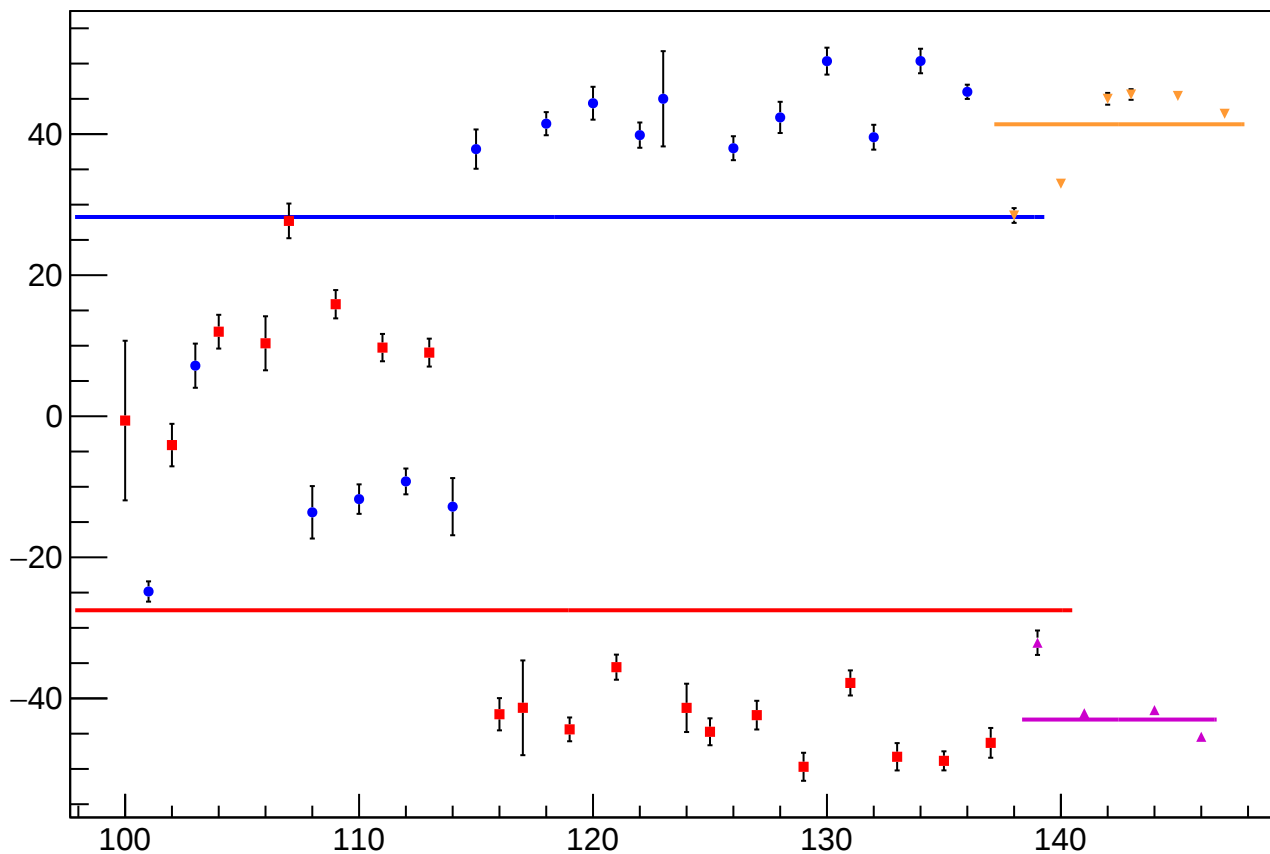
Left In: 59.603±/0.362 χ^2/NDF : 707.3/3

-62.506±/0.309 χ^2/NDF : 1068.8/22

-4.303±/0.224 χ^2/NDF : 77472.3/46

60.545±/0.326 χ^2/NDF : 1188.8/23

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250+/-0.460 χ^2/NDF : 3319.5/16

Left Out: 41.394+/-0.282 χ^2/NDF : 420.5/5

Right Out: -27.505+/-0.478 χ^2/NDF : 3036.7/19

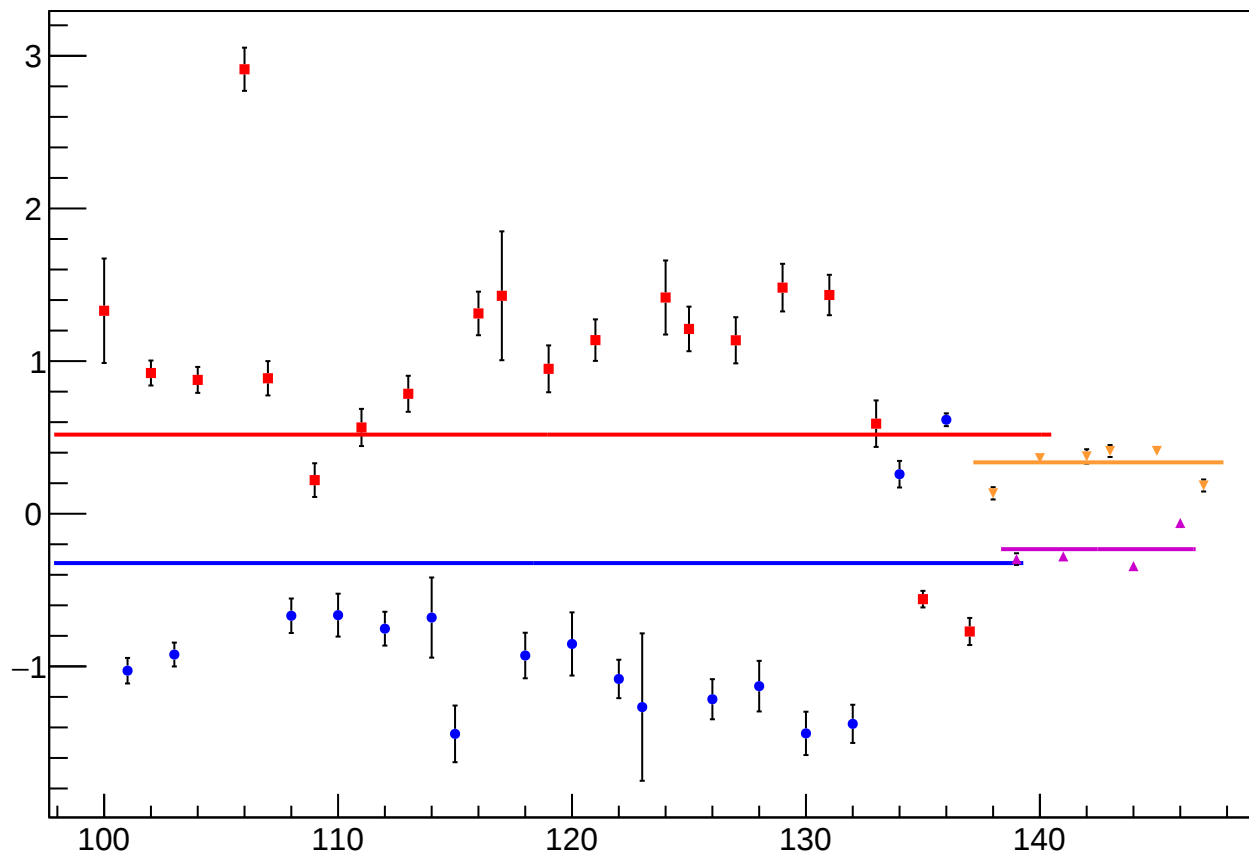
Left In: -42.999+/-0.303 χ^2/NDF : 74.5/3

37.807+/-0.240 χ^2/NDF : 4333.4/22

2.010+/-0.175 χ^2/NDF : 55516.7/46

-38.553+/-0.256 χ^2/NDF : 3861.7/23

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.337 ± 0.014 $\chi^2/\text{NDF}: 54.6/5$

Right Out: 0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

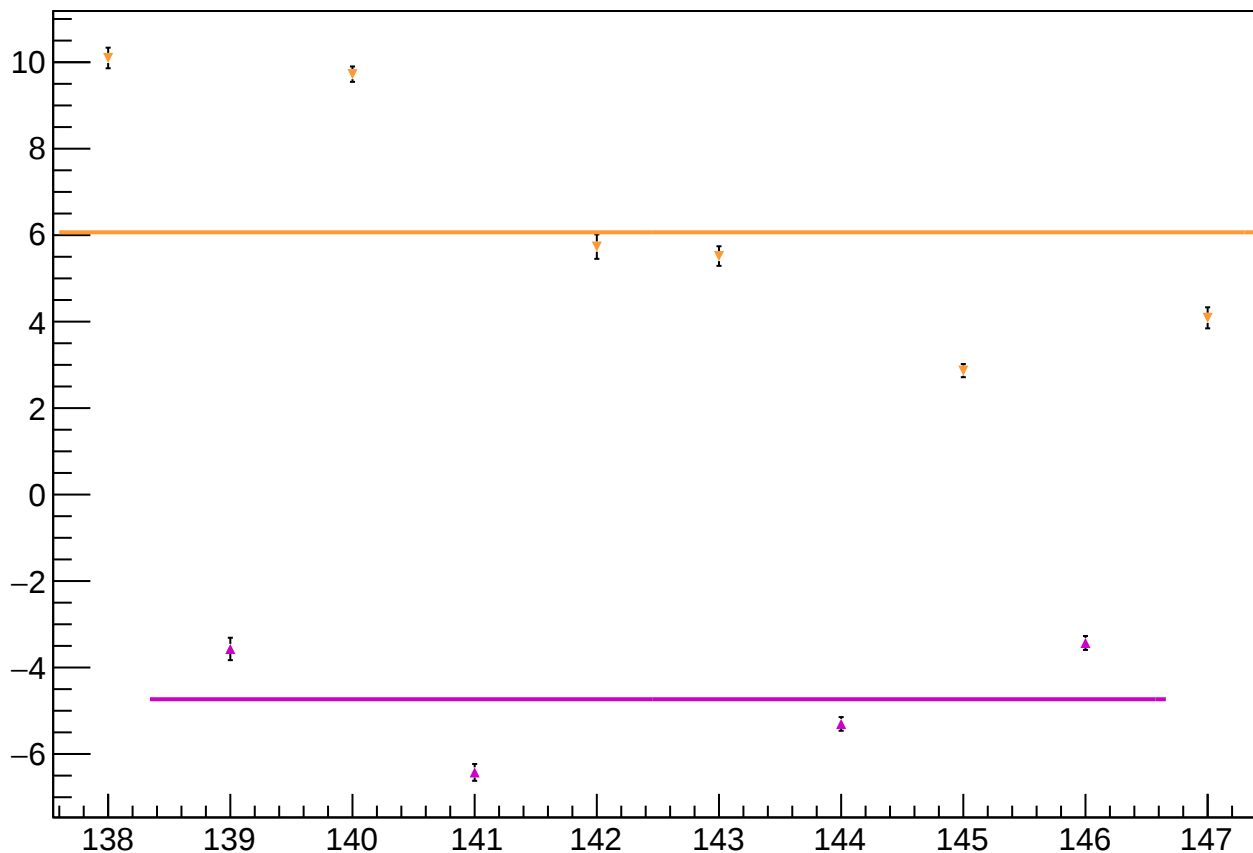
Left In: -0.232 ± 0.015 $\chi^2/\text{NDF}: 59.4/3$

0.178 ± 0.012 $\chi^2/\text{NDF}: 1596.0/22$

0.080 ± 0.009 $\chi^2/\text{NDF}: 3585.3/46$

-0.034 ± 0.013 $\chi^2/\text{NDF}: 1851.8/23$

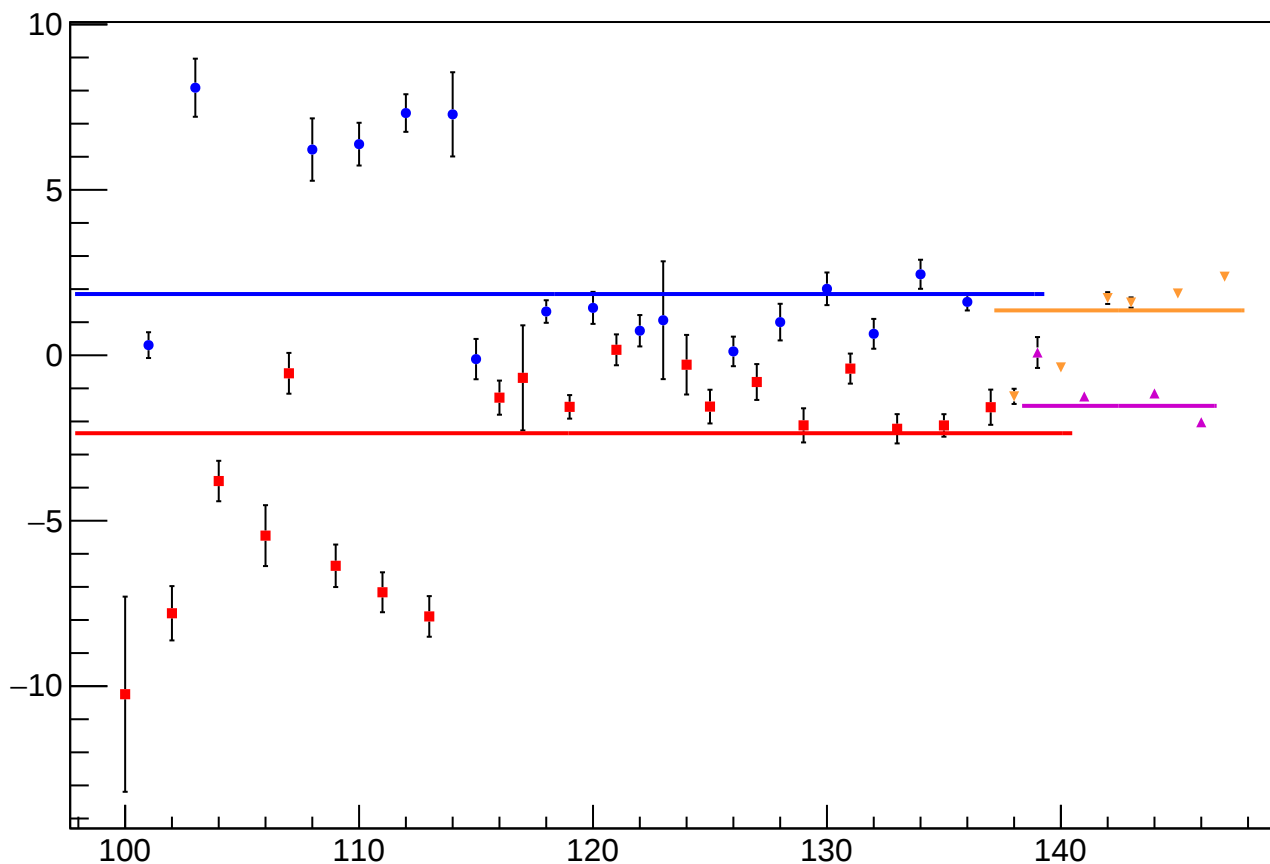
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.066+/-0.084 χ^2/NDF :1223.9/5
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.734+/-0.091 χ^2/NDF :174.1/3

6.066+/-0.084 χ^2/NDF : 1223.9/5
 1.113+/-0.062 χ^2/NDF : 8950.9/9
 -4.734+/-0.091 χ^2/NDF : 174.1/3

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.357 ± 0.060 χ^2/NDF : 372.9/5

Right Out: -2.355 ± 0.122 χ^2/NDF : 337.4/19

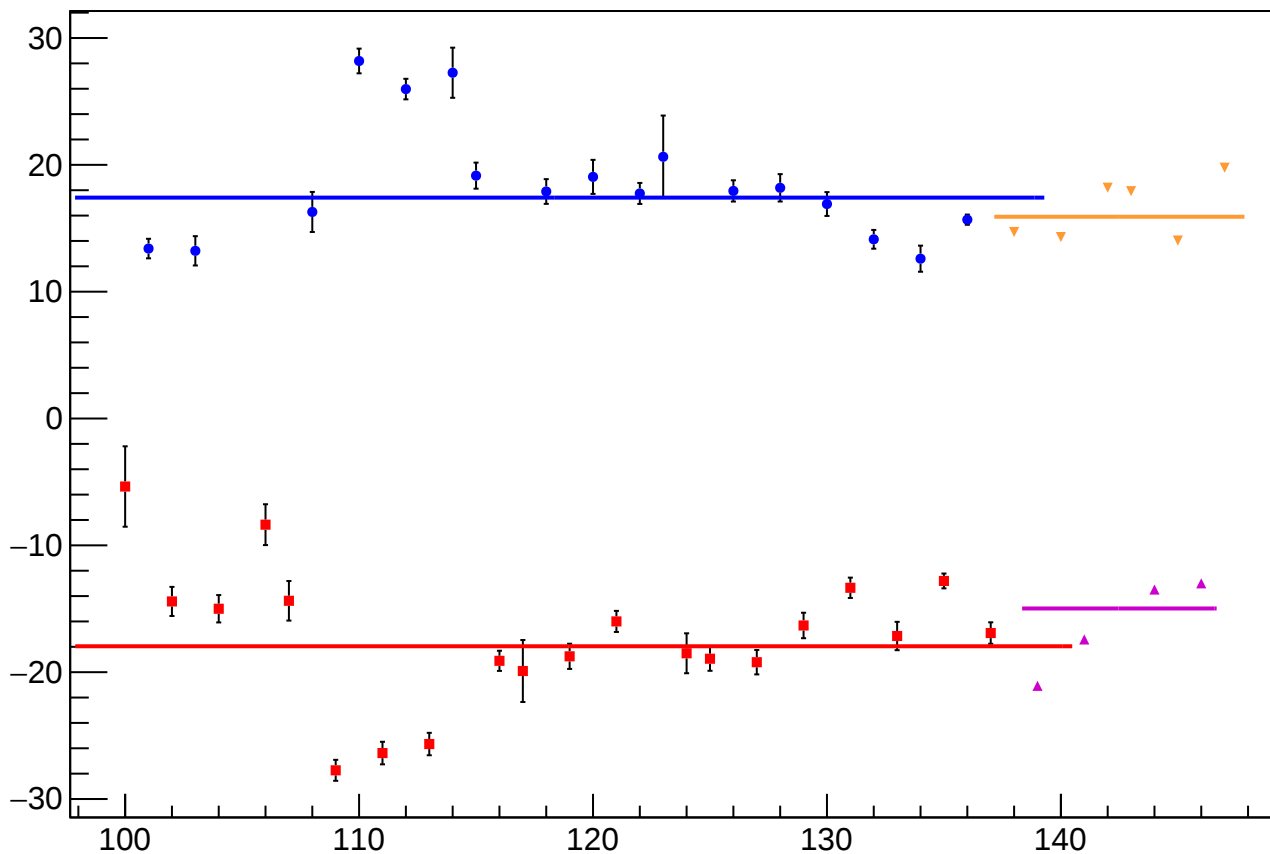
Left In: -1.528 ± 0.065 χ^2/NDF : 52.9/3

1.458 ± 0.053 χ^2/NDF : 681.2/22

-0.013 ± 0.039 χ^2/NDF : 2756.9/46

-1.709 ± 0.057 χ^2/NDF : 426.0/23

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 15.908 $\pm$ 0.088 χ^2 /NDF: 643.5/5

Right Out: -17.957 $\pm$ 0.218 χ^2 /NDF: 506.2/19

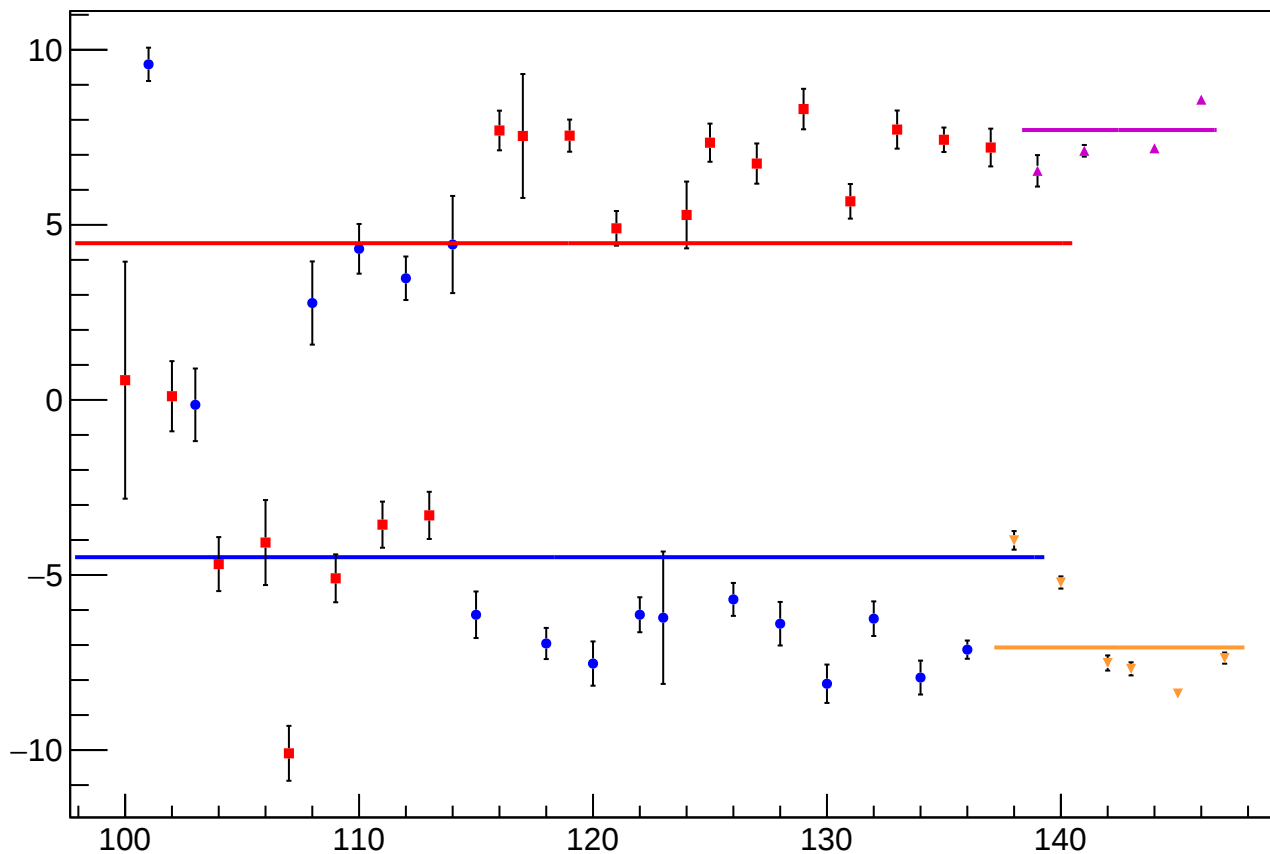
Left In: -14.977 $\pm$ 0.094 χ^2 /NDF: 853.3/3

16.129 $\pm$ 0.081 χ^2 /NDF: 1053.5/22

1.289 $\pm$ 0.059 χ^2 /NDF: 73125.1/46

-15.446 $\pm$ 0.087 χ^2 /NDF: 1516.6/23

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 $\chi^2/\text{NDF}: 1585.4/16$

Left Out: -7.070 ± 0.073 $\chi^2/\text{NDF}: 350.2/5$

Right Out: 4.476 ± 0.137 $\chi^2/\text{NDF}: 1342.0/19$

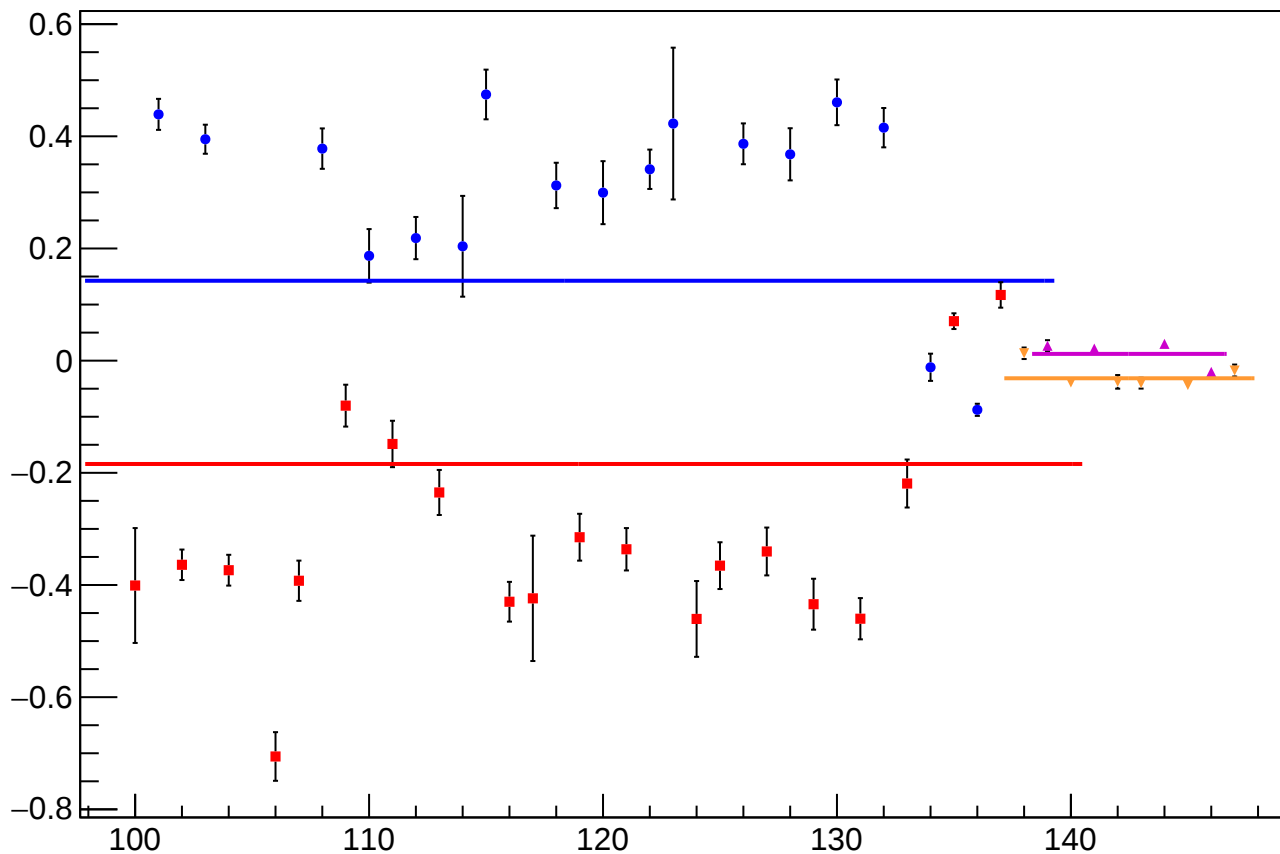
Left In: 7.709 ± 0.079 $\chi^2/\text{NDF}: 83.5/3$

-6.451 ± 0.064 $\chi^2/\text{NDF}: 2232.5/22$

-0.202 ± 0.047 $\chi^2/\text{NDF}: 24512.4/46$

6.904 ± 0.068 $\chi^2/\text{NDF}: 1846.0/23$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 $\chi^2/\text{NDF}: 1058.8/16$

Left Out: -0.031 ± 0.004 $\chi^2/\text{NDF}: 26.0/5$

Right Out: -0.184 ± 0.007 $\chi^2/\text{NDF}: 1005.5/19$

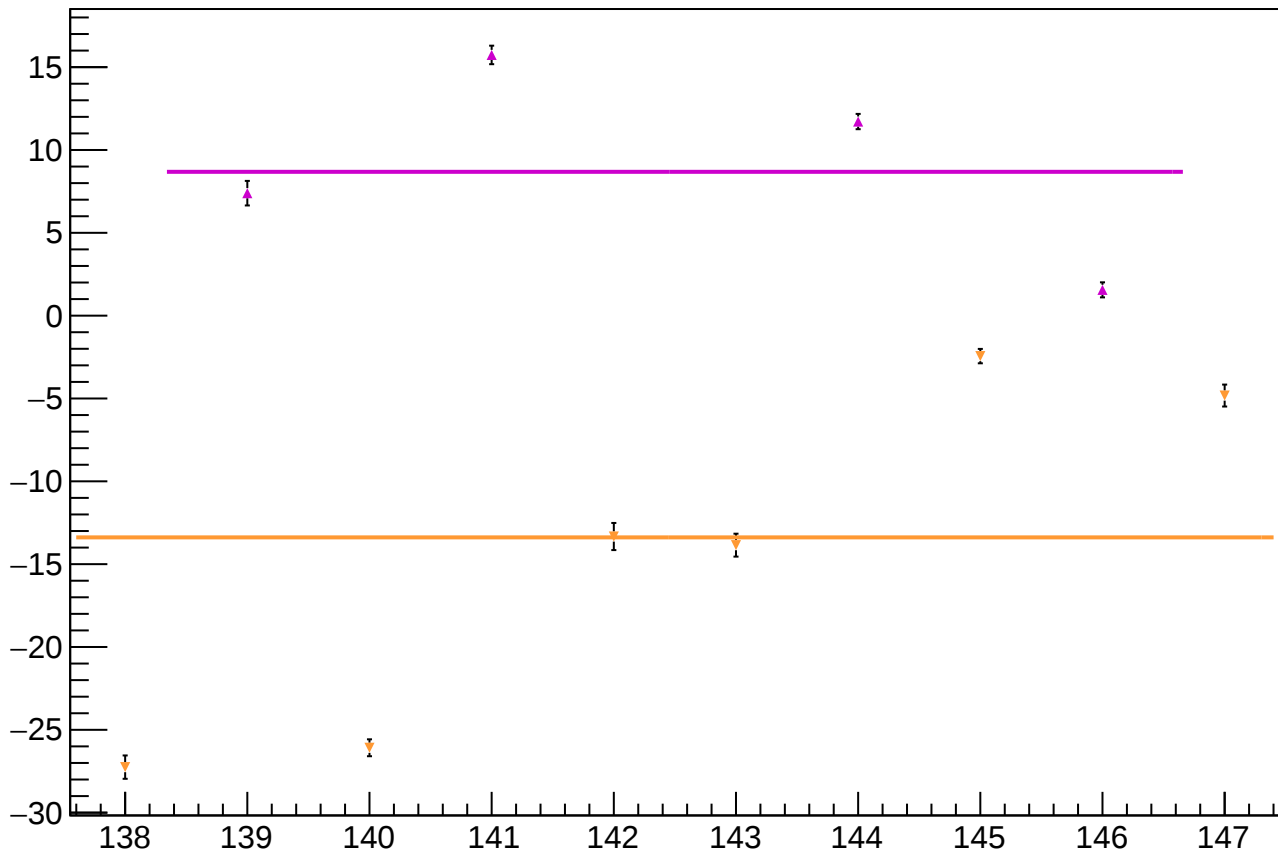
Left In: 0.012 ± 0.004 $\chi^2/\text{NDF}: 29.1/3$

0.005 ± 0.003 $\chi^2/\text{NDF}: 1562.4/22$

-0.012 ± 0.002 $\chi^2/\text{NDF}: 3204.0/46$

-0.033 ± 0.004 $\chi^2/\text{NDF}: 1579.4/23$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.384+/-0.242 χ^2/NDF : 1808.7/5

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

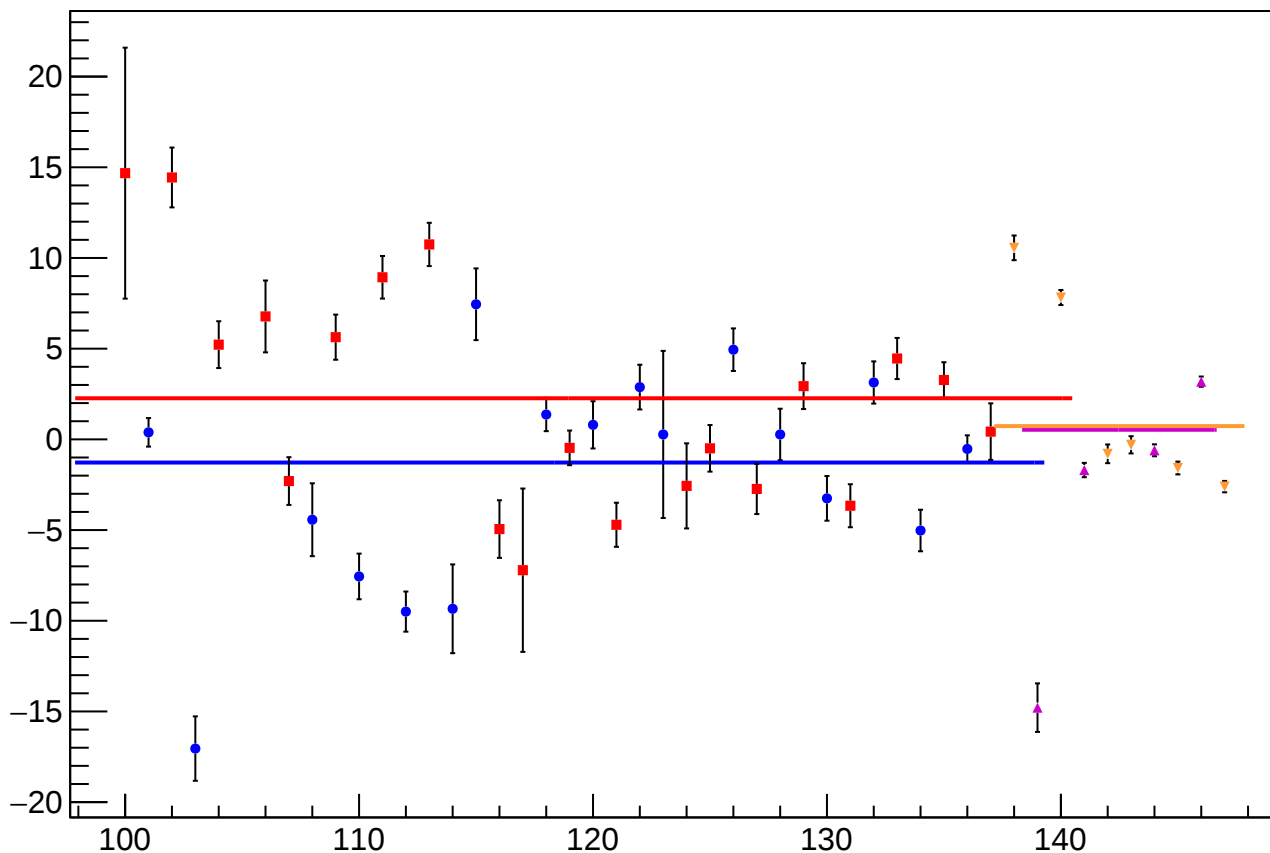
Left In: 8.682+/-0.262 χ^2/NDF : 451.6/3

-13.384+/-0.242 χ^2/NDF : 1808.7/5

-3.210+/-0.178 χ^2/NDF : 6080.1/9

8.682+/-0.262 χ^2/NDF : 451.6/3

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278+/-0.292 χ^2 /NDF: 276.5/16

Left Out: 0.731+/-0.171 χ^2 /NDF:670.0/5

Right Out: 2.266+/-0.302 χ^2 /NDF: 289.8/19

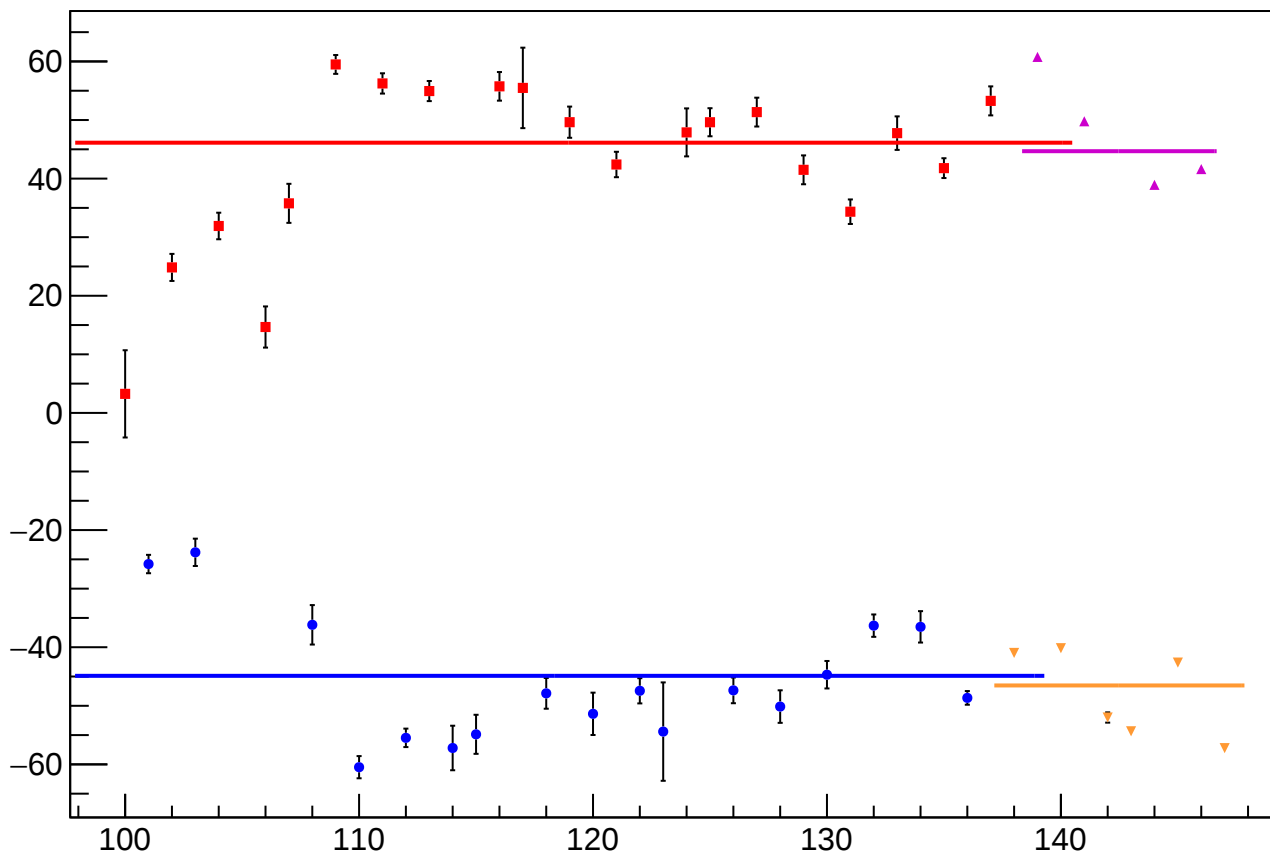
Left In: 0.529+/-0.187 χ^2 /NDF:262.3/3

0.220+/-0.147 χ^2 /NDF: 981.7/22

0.586+/-0.108 χ^2 /NDF: 1571.0/46

1.011+/-0.159 χ^2 /NDF: 576.0/23

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -46.526 ± 0.253 χ^2/NDF : 712.1/5

Right Out: 46.130 ± 0.527 χ^2/NDF : 456.1/19

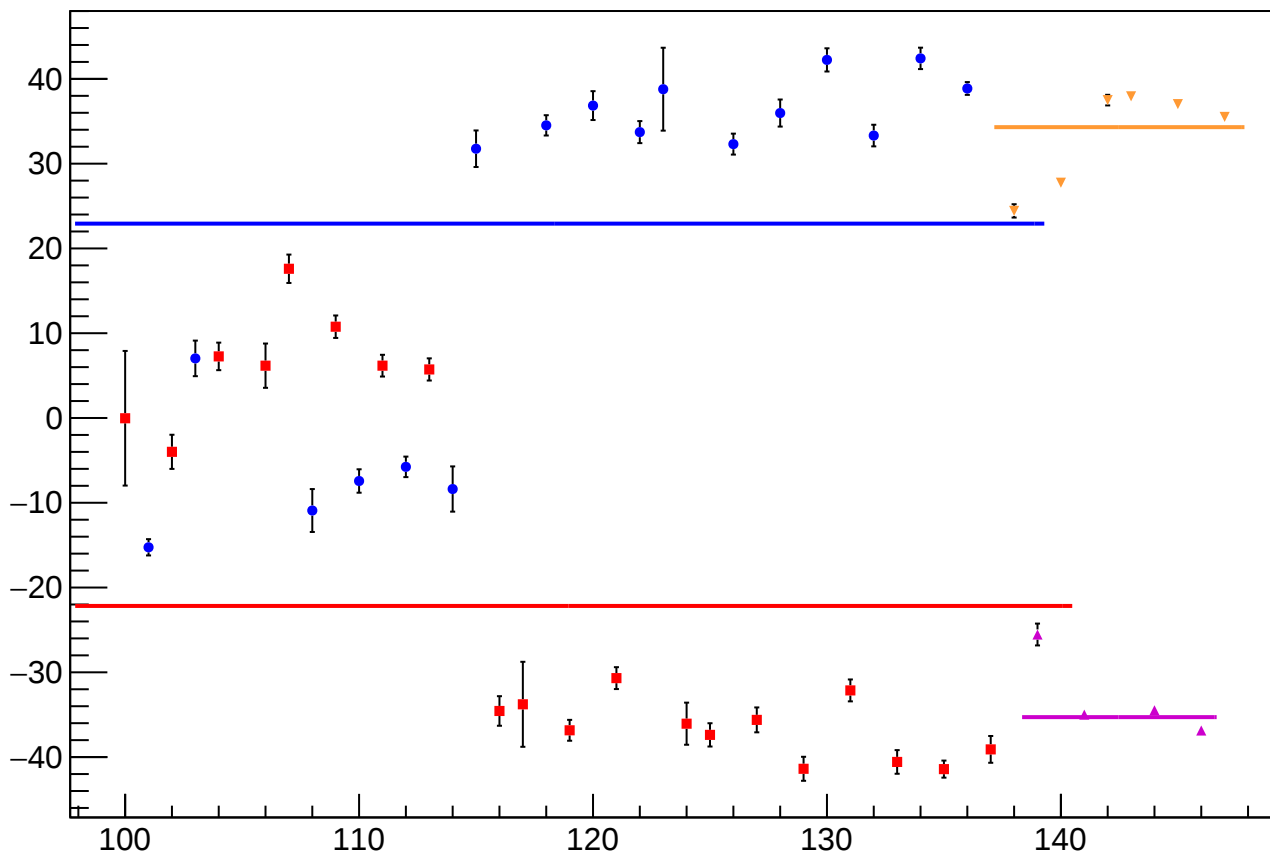
Left In: 44.678 ± 0.270 χ^2/NDF : 659.9/3

-46.215 ± 0.228 χ^2/NDF : 1141.0/22

-2.975 ± 0.165 χ^2/NDF : 77990.1/46

44.980 ± 0.240 χ^2/NDF : 1122.0/23

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926+/-0.328 χ^2/NDF : 4330.2/16

Left Out: 34.306+/-0.211 χ^2/NDF : 447.4/5

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

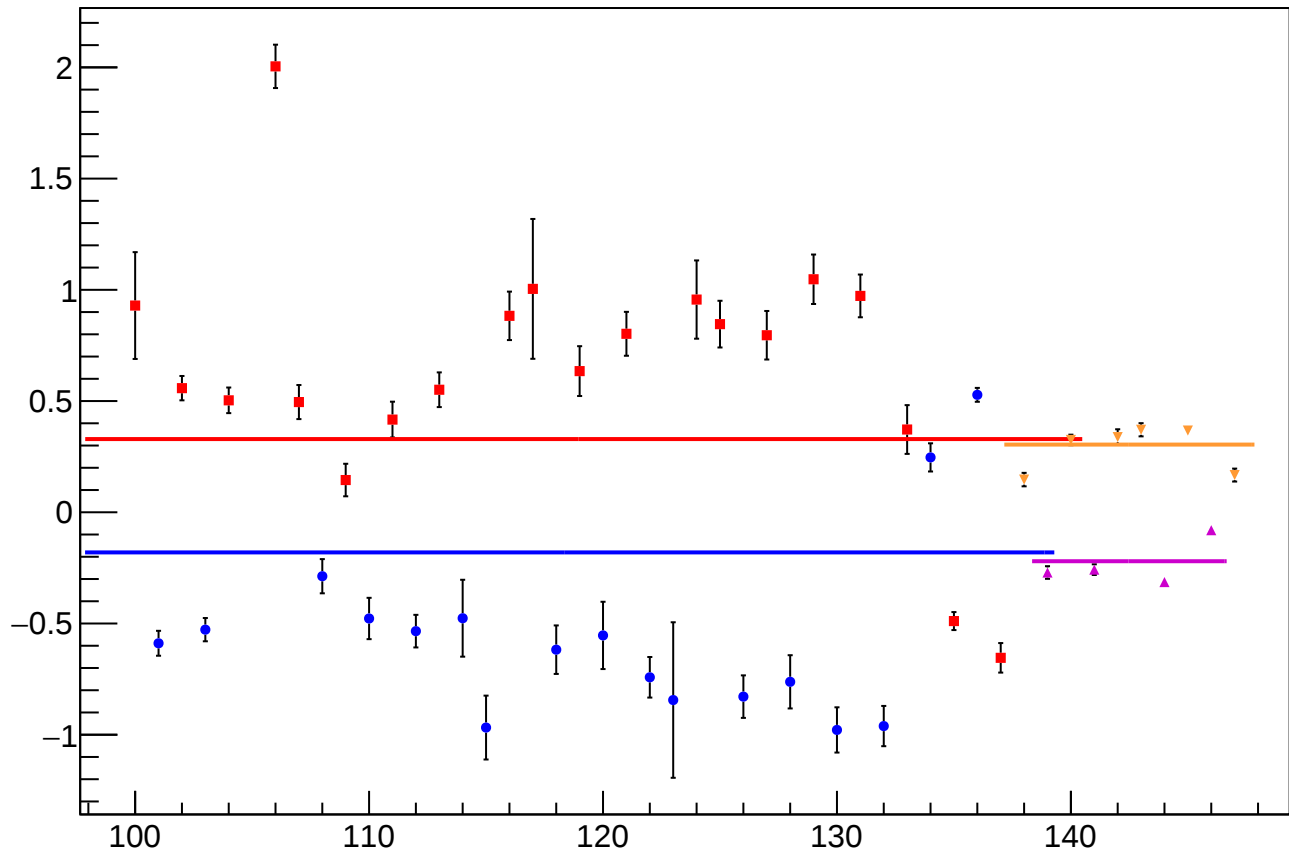
Left In: -35.286+/-0.227 χ^2/NDF : 81.6/3

30.987+/-0.177 χ^2/NDF : 5629.9/22

1.796+/-0.129 χ^2/NDF : 68651.9/46

-31.237+/-0.188 χ^2/NDF : 5154.1/23

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.304 ± 0.011 χ^2/NDF : 68.1/5

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

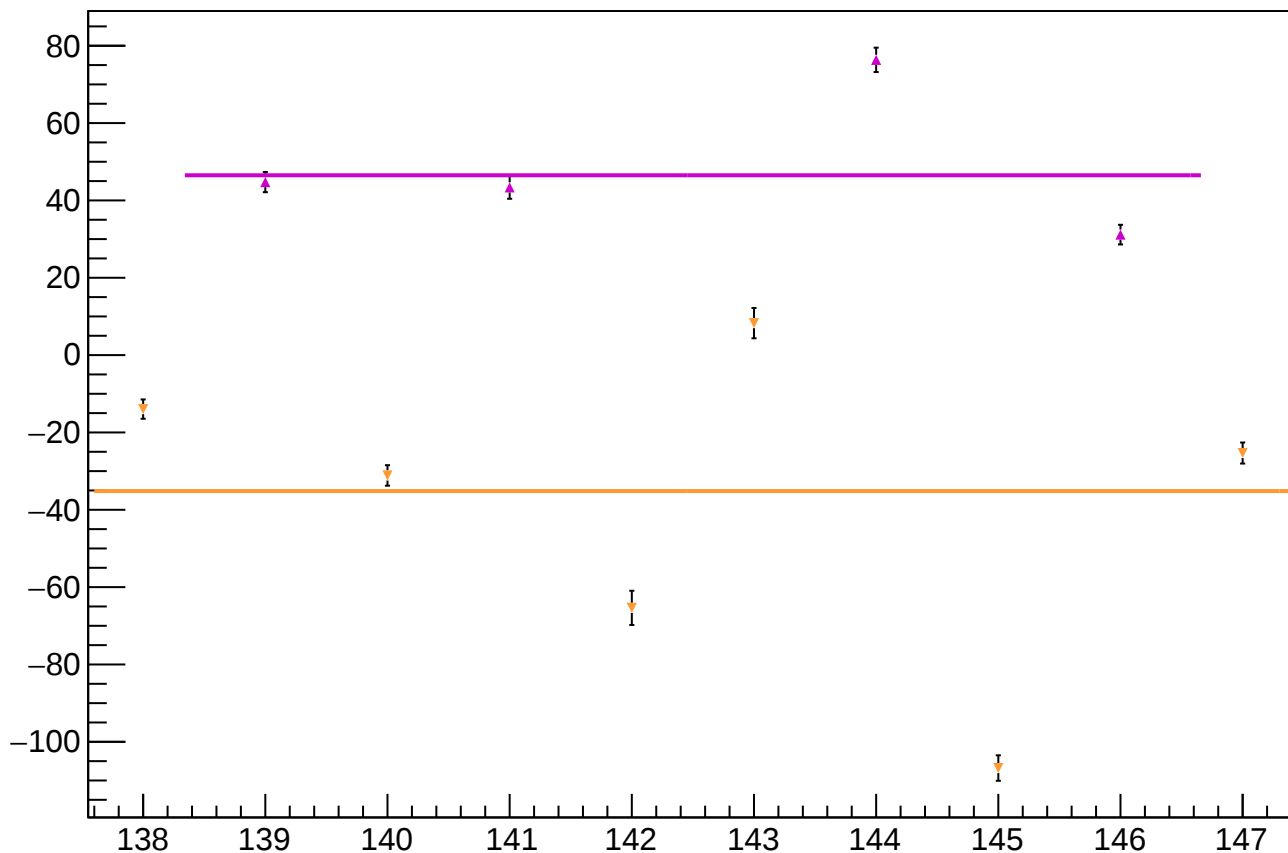
Left In: -0.220 ± 0.012 χ^2/NDF : 71.5/3

0.179 ± 0.009 χ^2/NDF : 1615.3/22

0.067 ± 0.007 χ^2/NDF : 3850.6/46

-0.063 ± 0.010 χ^2/NDF : 1903.8/23

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.152+/-1.244 χ^2/NDF : 729.2/5

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

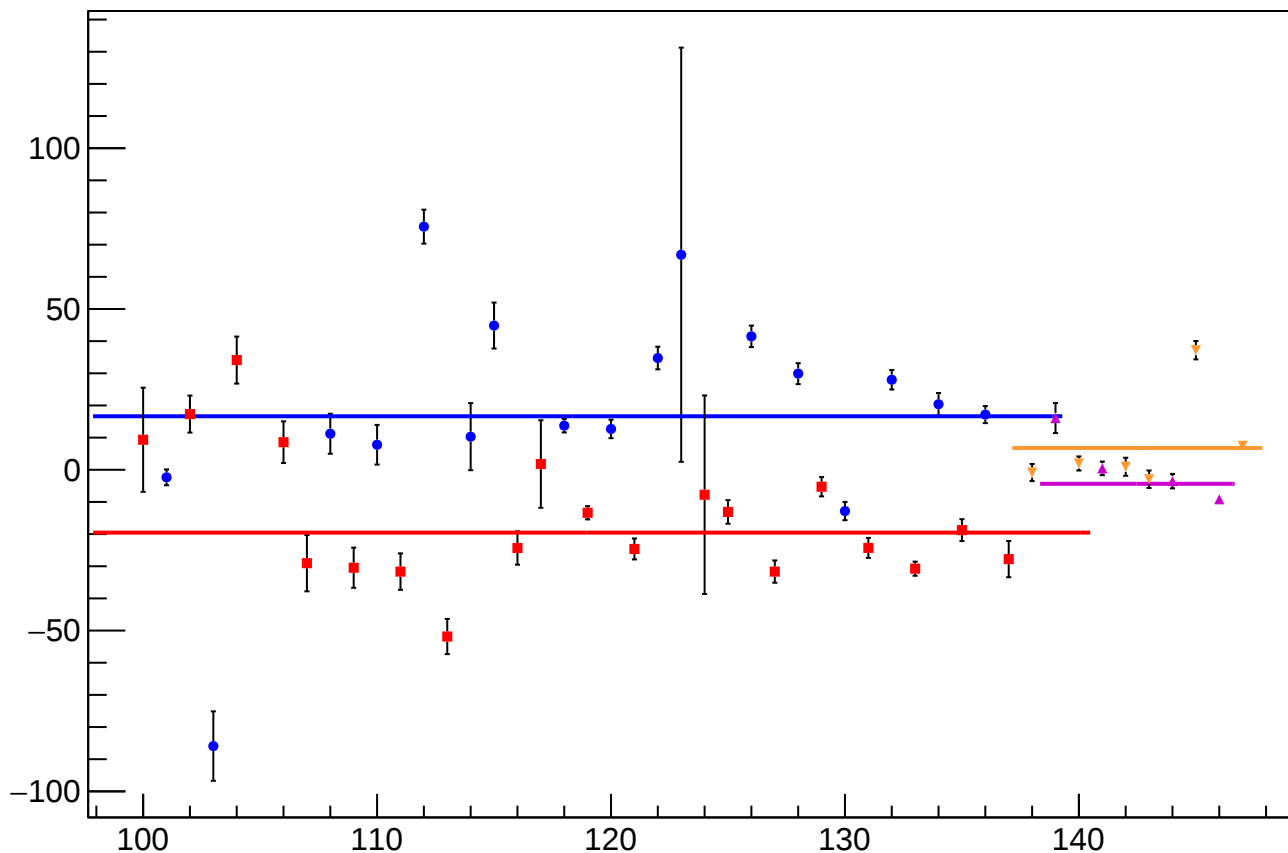
Left In: 46.503+/-1.389 χ^2/NDF : 127.8/3

-35.152+/-1.244 χ^2/NDF : 729.2/5

1.202+/-0.927 χ^2/NDF : 2774.7/9

46.503+/-1.389 χ^2/NDF : 127.8/3

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641+/-0.859 χ^2/NDF : 518.9/16

Left Out: 6.783+/-0.866 χ^2/NDF : 143.5/5

Right Out: -19.540+/-0.894 χ^2/NDF : 244.1/19

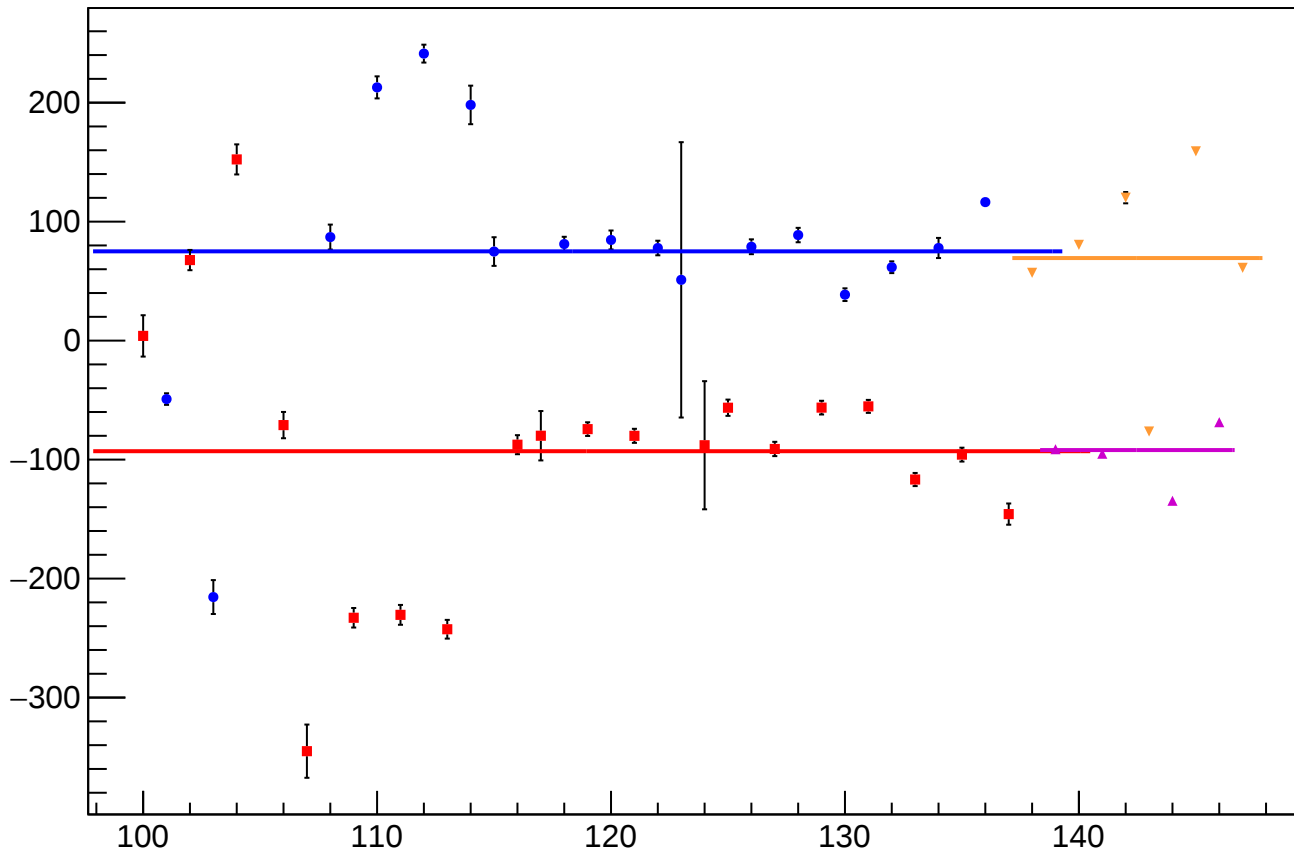
Left In: -4.364+/-1.040 χ^2/NDF : 35.1/3

11.756+/-0.610 χ^2/NDF : 727.7/22

0.646+/-0.453 χ^2/NDF : 1871.4/46

-13.089+/-0.678 χ^2/NDF : 401.6/23

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 69.392 ± 1.287 χ^2/NDF : 2065.0/5

Right Out: -92.940 ± 1.706 χ^2/NDF : 2004.0/19

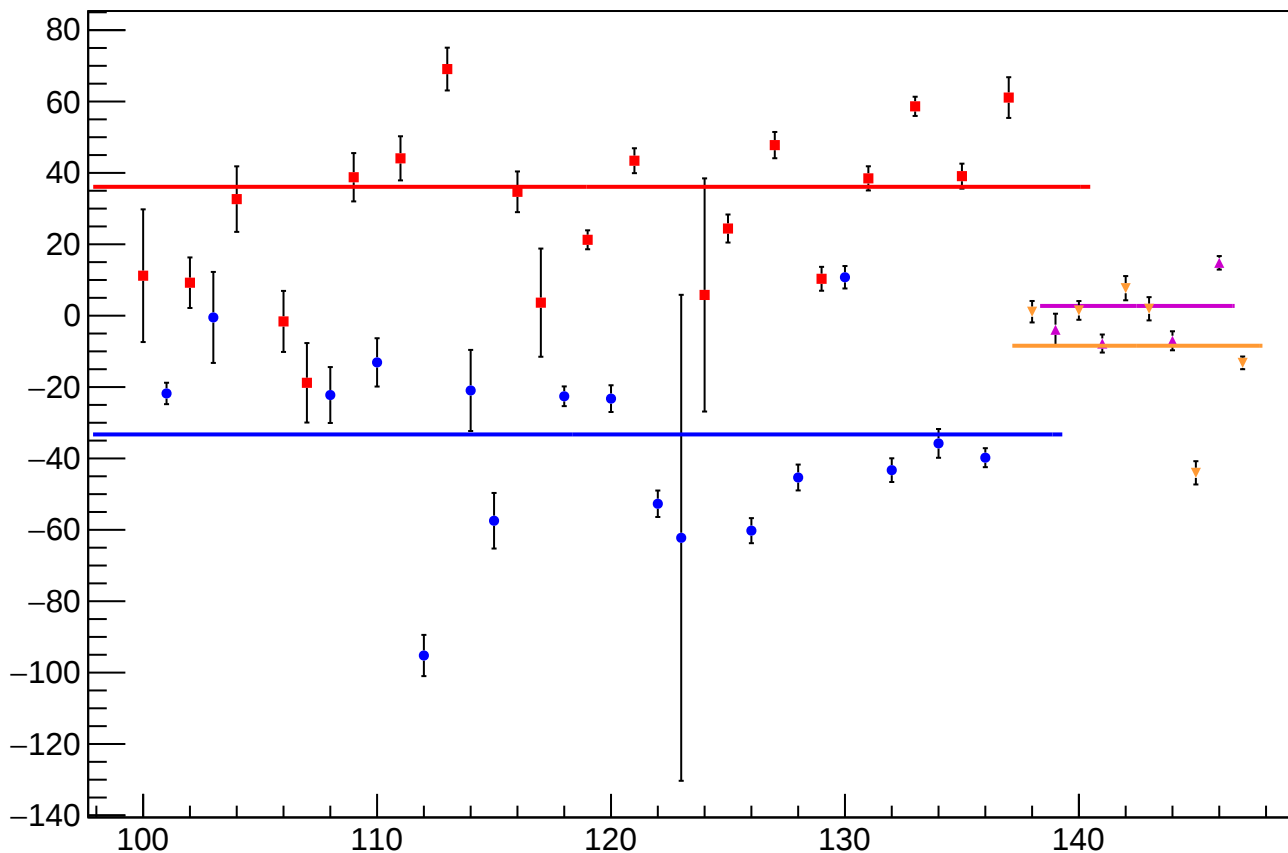
Left In: -91.983 ± 1.436 χ^2/NDF : 253.9/3

71.531 ± 1.014 χ^2/NDF : 4071.9/22

-3.880 ± 0.745 χ^2/NDF : 18352.1/46

-92.380 ± 1.098 χ^2/NDF : 2258.0/23

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 +/- 0.982 χ^2/NDF : 489.4/16

Left Out: -8.424 +/- 1.087 χ^2/NDF : 183.5/5

Right Out: 36.103 +/- 1.022 χ^2/NDF : 302.3/19

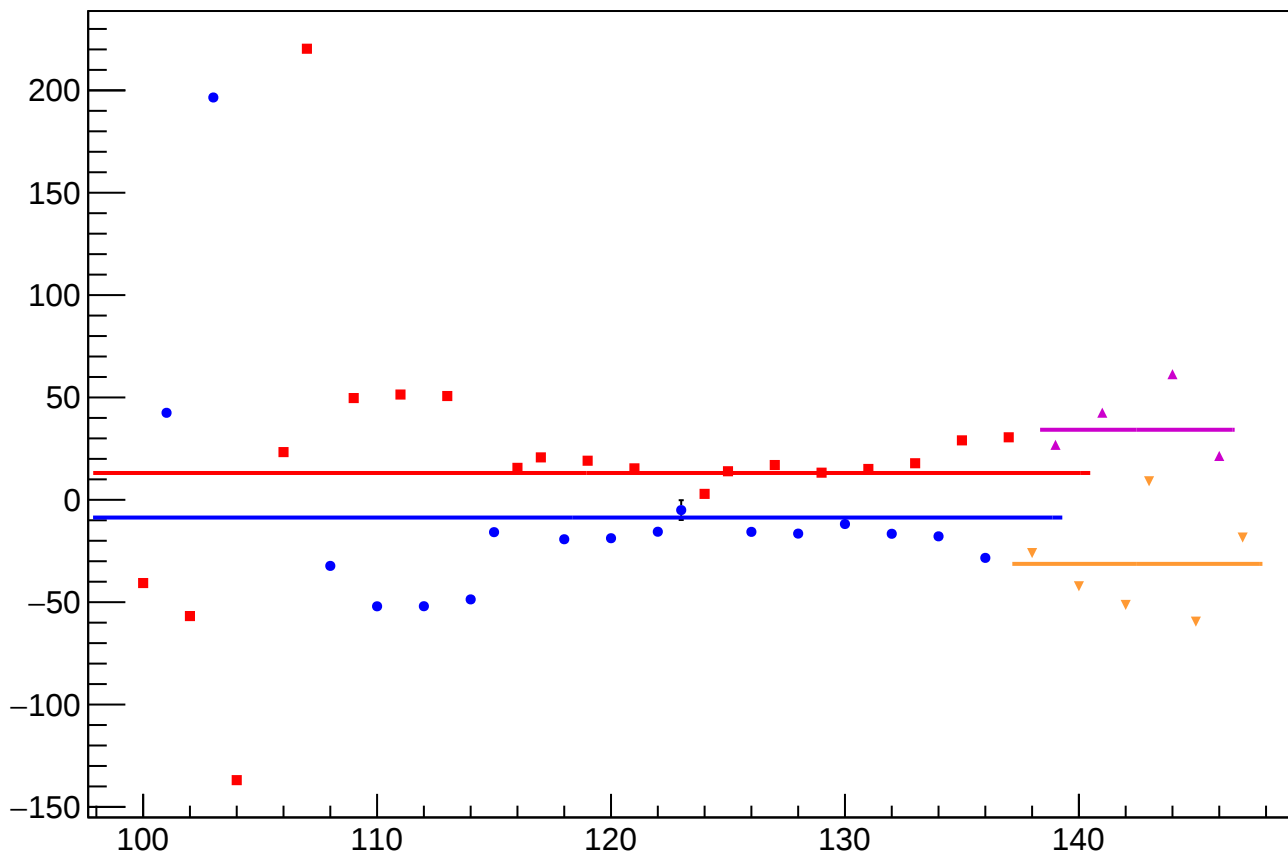
Left In: 2.730 +/- 1.265 χ^2/NDF : 73.5/3

-22.101 +/- 0.729 χ^2/NDF : 960.8/22

-1.542 +/- 0.537 χ^2/NDF : 3501.9/46

22.932 +/- 0.795 χ^2/NDF : 796.9/23

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -31.287 ± 0.054 χ^2/NDF : 135009.2/5

Right Out: 13.109 ± 0.062 χ^2/NDF : 558383.6/19

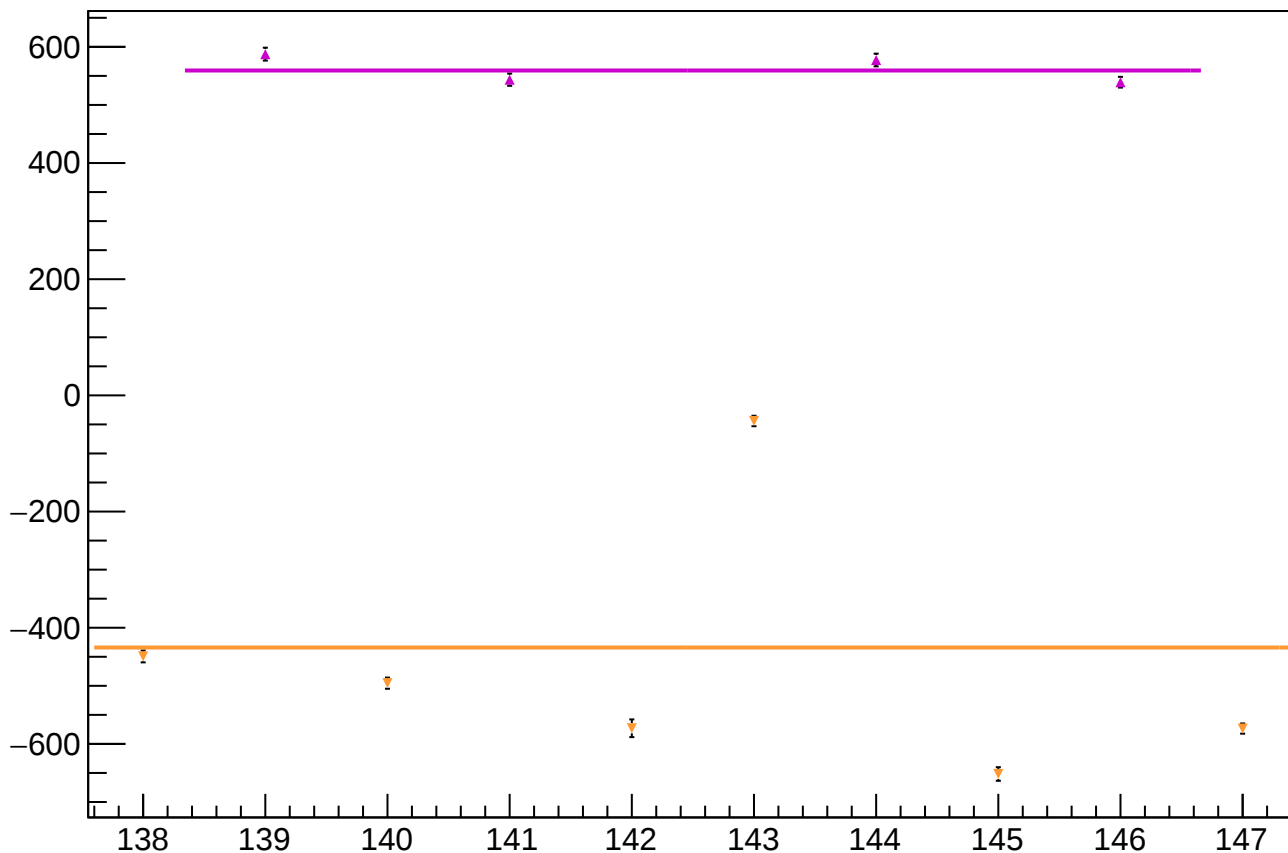
Left In: 34.222 ± 0.059 χ^2/NDF : 56739.3/3

-21.016 ± 0.040 χ^2/NDF : 790872.8/22

0.098 ± 0.029 χ^2/NDF : 2070002.1/46

24.194 ± 0.043 χ^2/NDF : 676604.9/23

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -434.049+/-4.182 χ^2/NDF : 2599.8/5

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

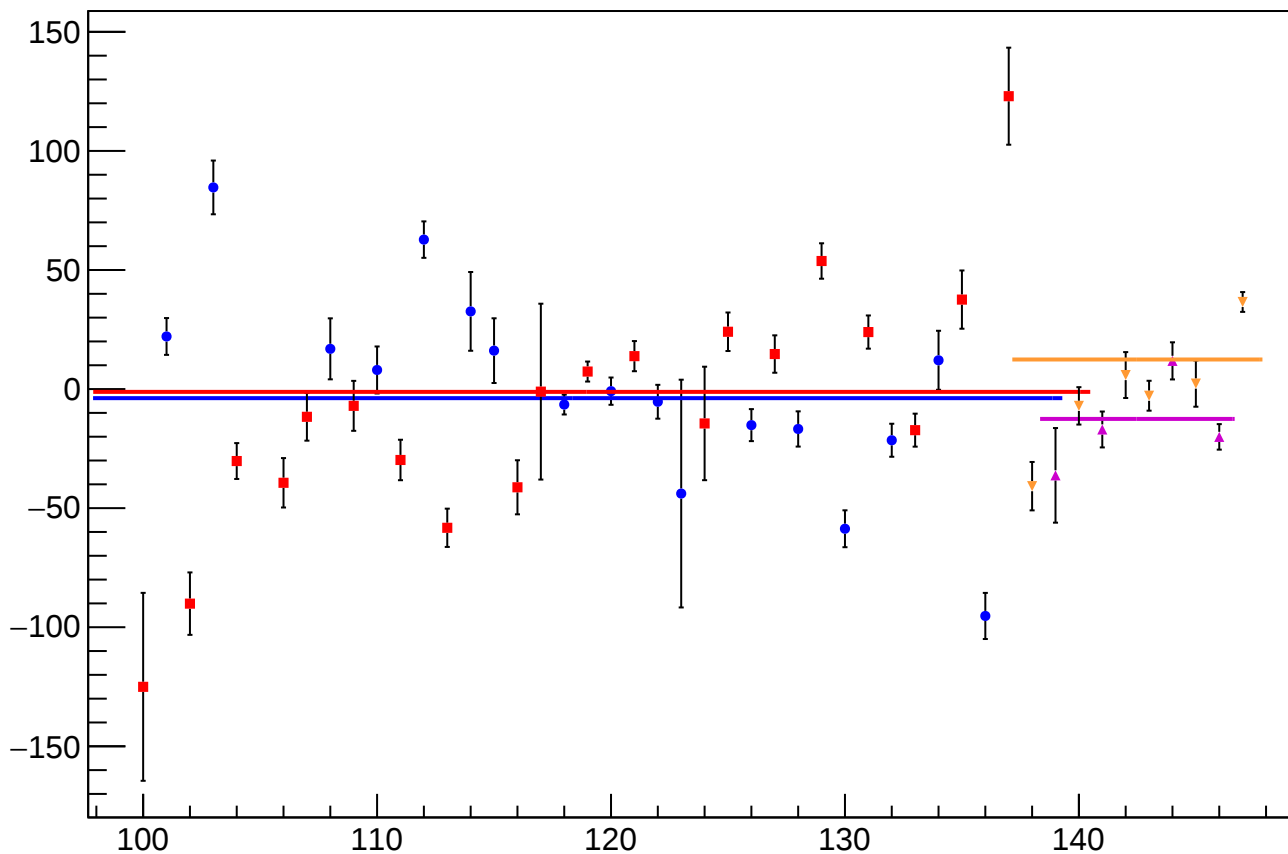
Left In: 559.305+/-5.190 χ^2/NDF : 16.2/3

-434.049+/-4.182 χ^2/NDF : 2599.8/5

-43.009+/-3.256 χ^2/NDF : 24829.3/9

559.305+/-5.190 χ^2/NDF : 16.2/3

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 $\pm$ 1.923 χ^2/NDF : 314.3/16

Left Out: 12.420 $\pm$ 2.769 χ^2/NDF : 74.6/5

Right Out: -1.175 $\pm$ 1.911 χ^2/NDF : 303.9/19

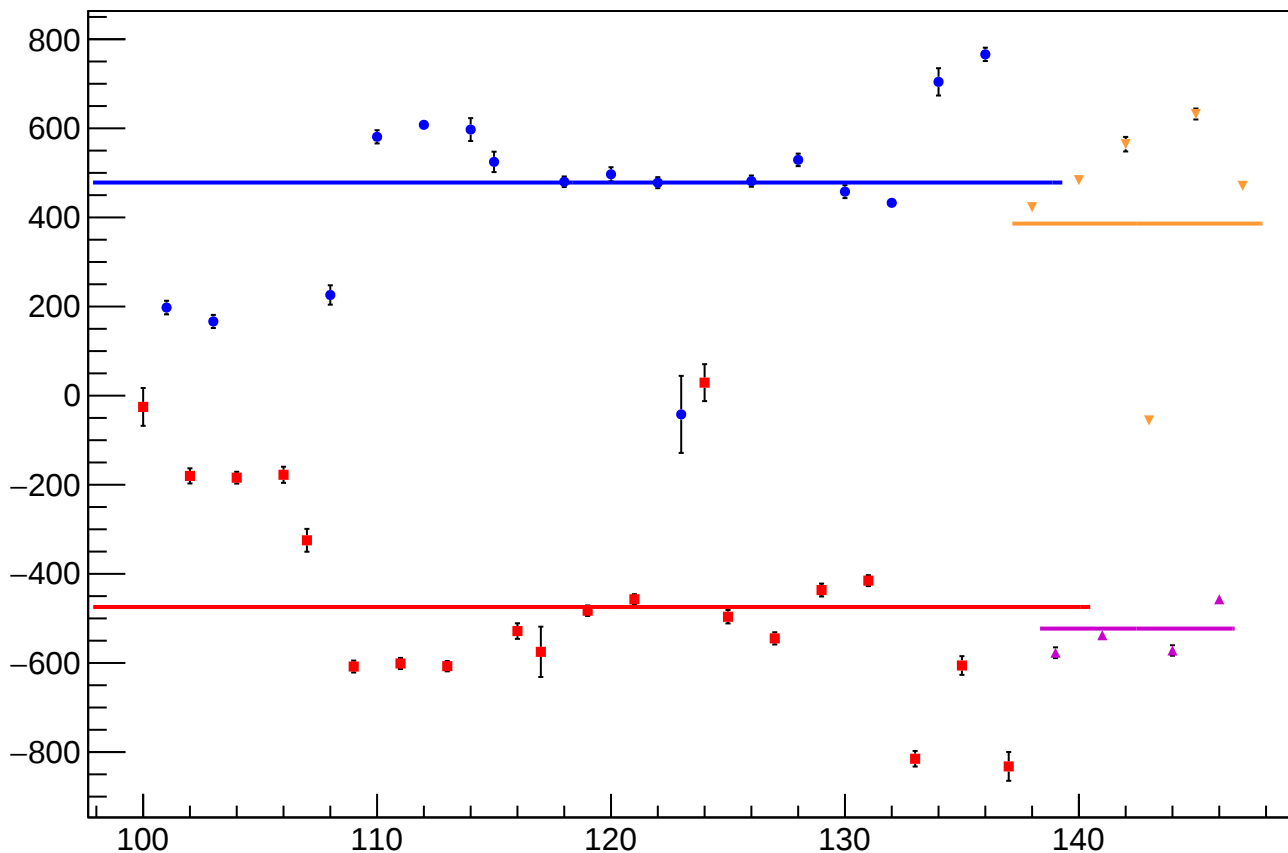
Left In: -12.532 $\pm$ 3.741 χ^2/NDF : 13.5/3

1.466 $\pm$ 1.579 χ^2/NDF : 412.1/22

-0.843 $\pm$ 1.158 χ^2/NDF : 741.5/46

-3.526 $\pm$ 1.702 χ^2/NDF : 324.7/23

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 386.181 $\pm$ 4.317 χ^2 /NDF: 2838.8/5

Right Out: -474.296 $\pm$ 3.524 χ^2 /NDF: 2288.2/19

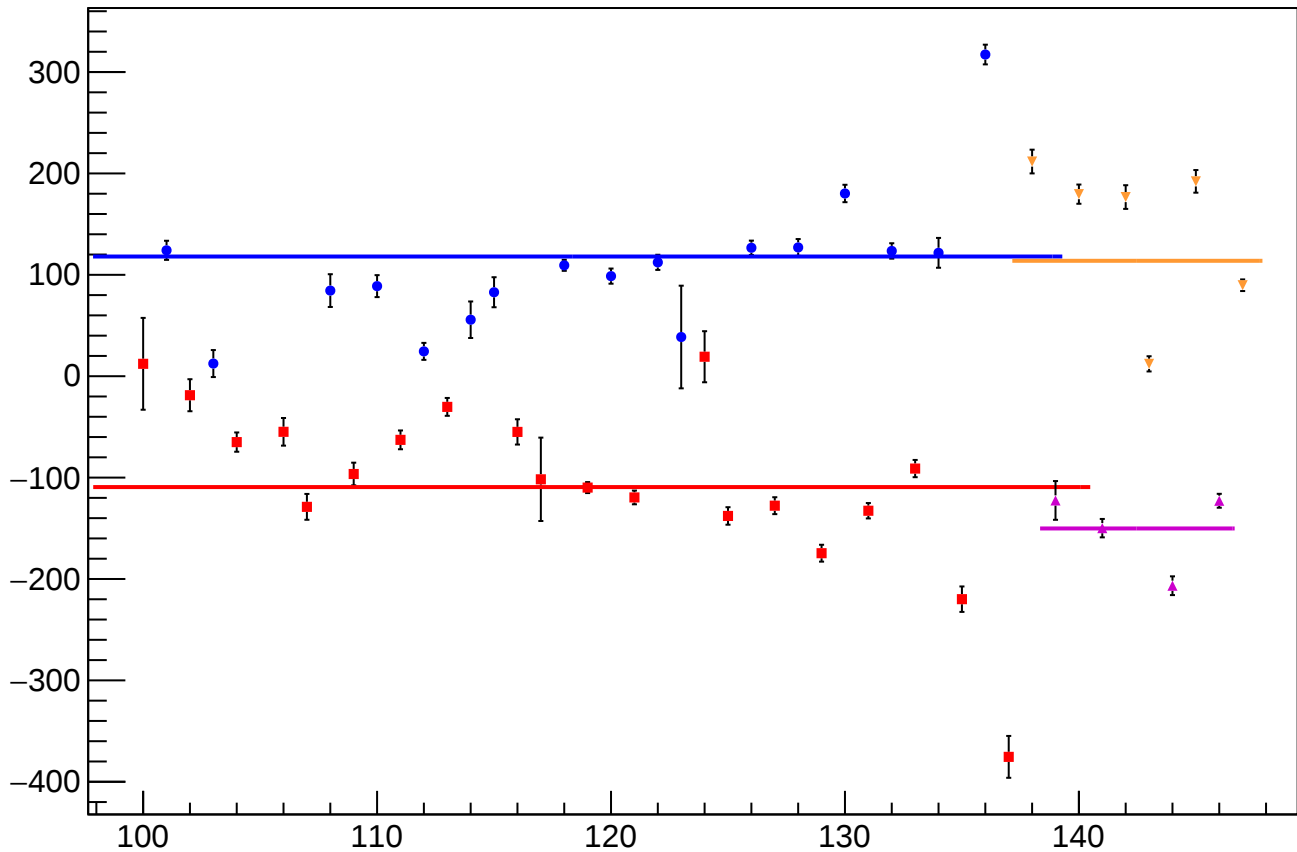
Left In: -522.844 $\pm$ 5.348 χ^2 /NDF: 95.3/3

439.776 $\pm$ 2.793 χ^2 /NDF: 4732.6/22

-0.349 $\pm$ 2.026 χ^2 /NDF: 59584.0/46

-488.994 $\pm$ 2.943 χ^2 /NDF: 2441.0/23

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 113.838 ± 3.494 $\chi^2/\text{NDF}: 397.4/5$

Right Out: -109.345 ± 2.202 $\chi^2/\text{NDF}: 569.8/19$

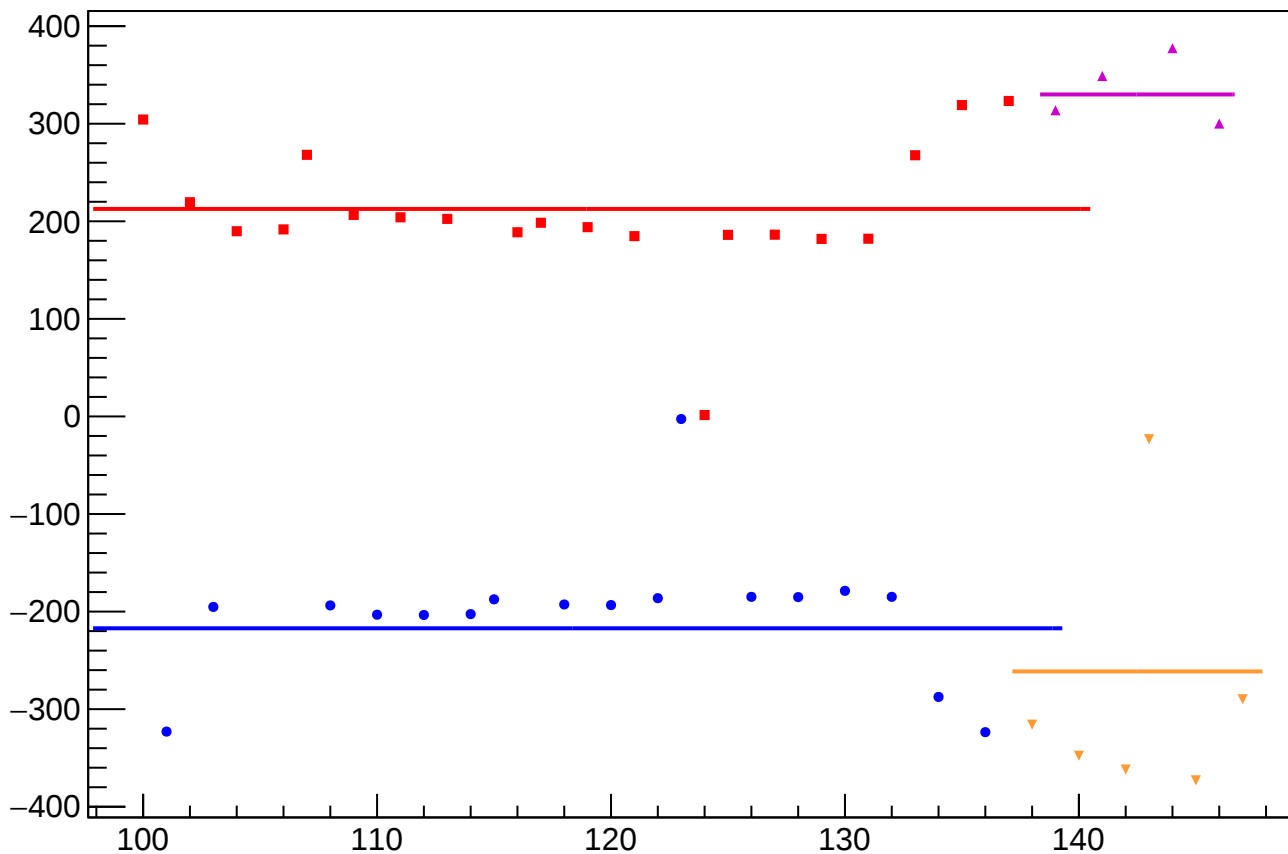
Left In: -150.171 ± 4.573 $\chi^2/\text{NDF}: 55.2/3$

116.838 ± 1.877 $\chi^2/\text{NDF}: 1103.8/22$

6.367 ± 1.363 $\chi^2/\text{NDF}: 9126.5/46$

-117.027 ± 1.984 $\chi^2/\text{NDF}: 689.8/23$

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -261.328+/-0.182 χ^2/NDF : 516723.4/5

Right Out: 212.679+/-0.130 χ^2/NDF : 115596.4/19

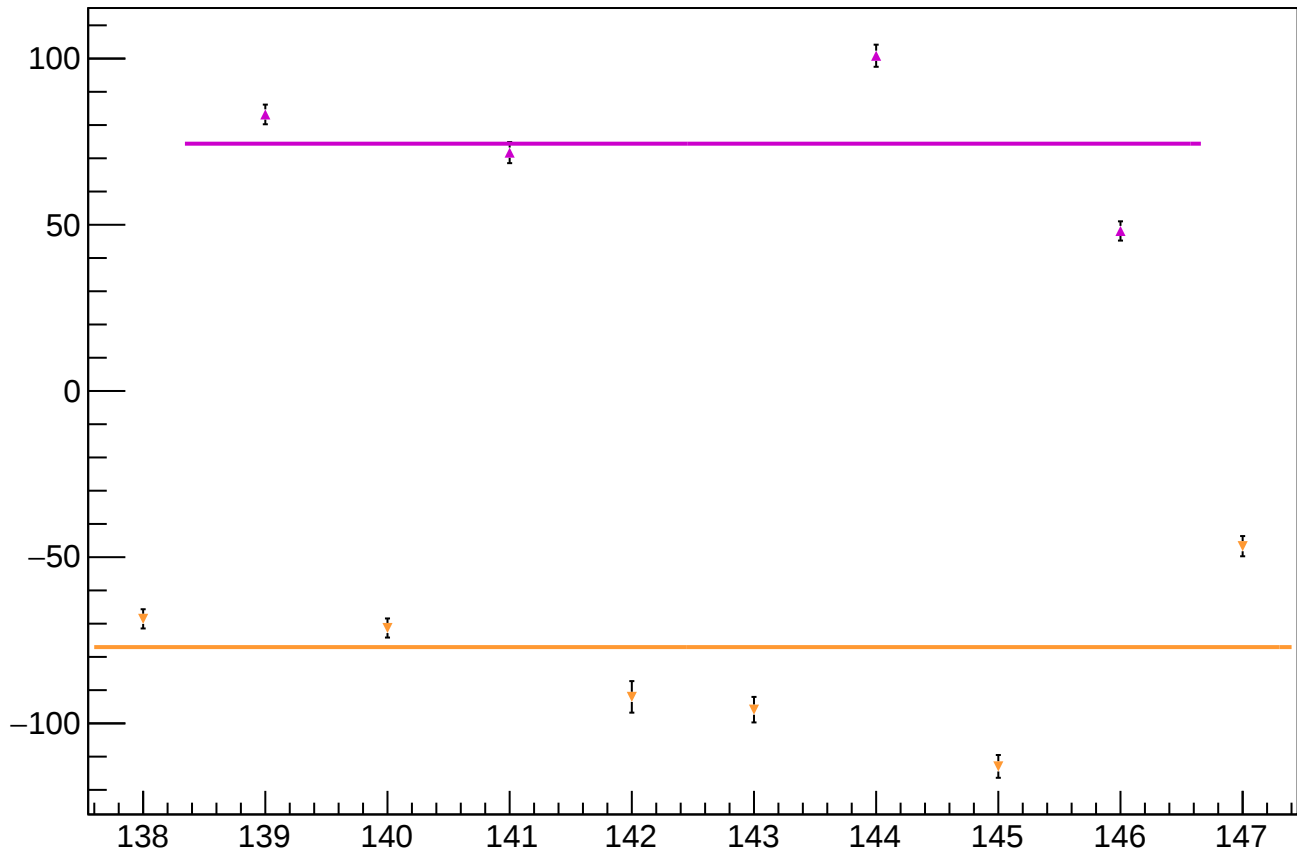
Left In: 330.004+/-0.222 χ^2/NDF : 17146.4/3

-233.018+/-0.109 χ^2/NDF : 700963.9/22

-1.434+/-0.078 χ^2/NDF : 10263212.5/46

242.627+/-0.112 χ^2/NDF : 340613.7/23

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -77.050+/-1.353 χ^2/NDF : 255.9/5

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

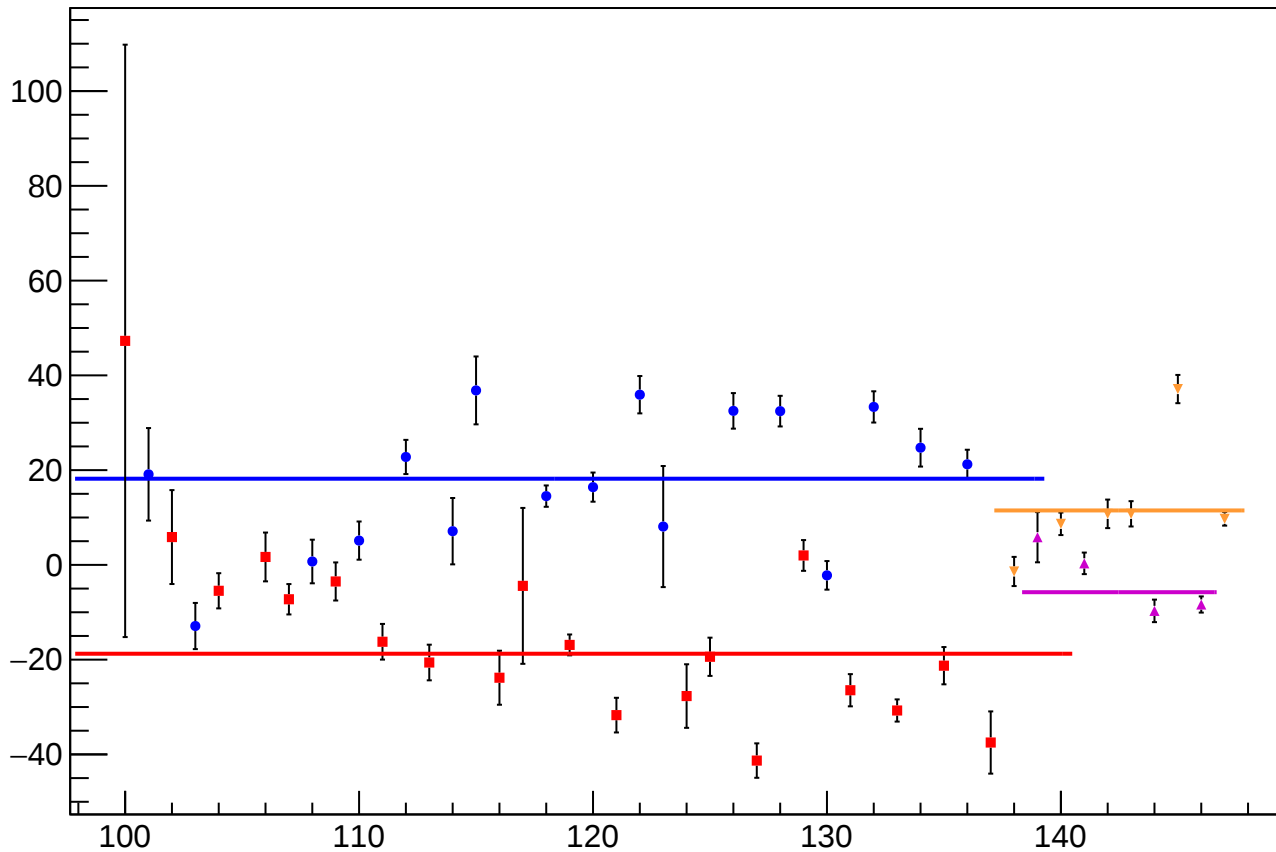
Left In: 74.395+/-1.537 χ^2/NDF : 154.9/3

-77.050+/-1.353 χ^2/NDF : 255.9/5

-10.929+/-1.016 χ^2/NDF : 5879.4/9

74.395+/-1.537 χ^2/NDF : 154.9/3

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 11.490 ± 0.943 χ^2/NDF : 94.4/5

Right Out: -18.752 ± 0.862 χ^2/NDF : 199.5/19

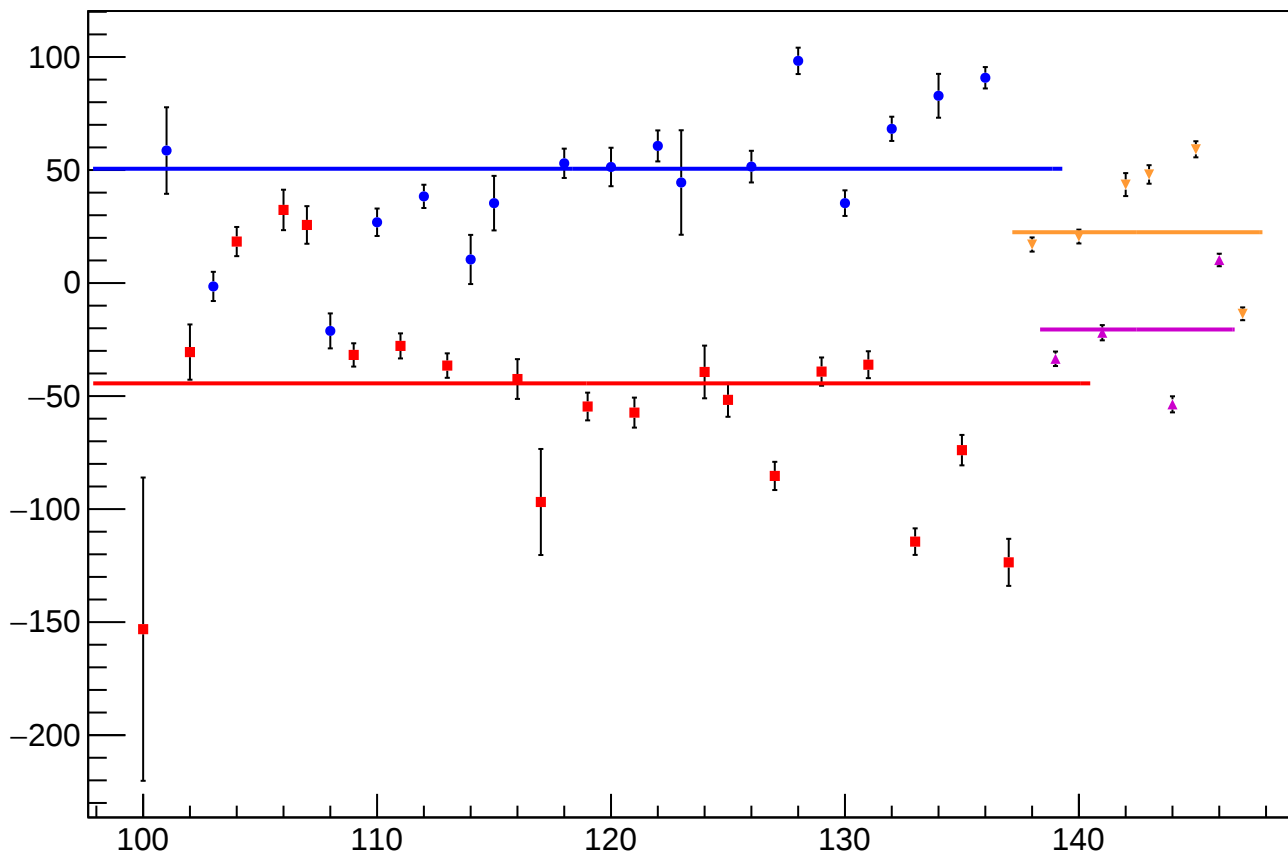
Left In: -5.764 ± 1.155 χ^2/NDF : 17.0/3

14.931 ± 0.657 χ^2/NDF : 325.2/22

1.125 ± 0.476 χ^2/NDF : 1550.6/46

-14.110 ± 0.691 χ^2/NDF : 297.8/23

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: 22.484+/-1.401 χ^2/NDF : 327.2/5

Right Out: -44.377+/-1.599 χ^2/NDF : 537.6/19

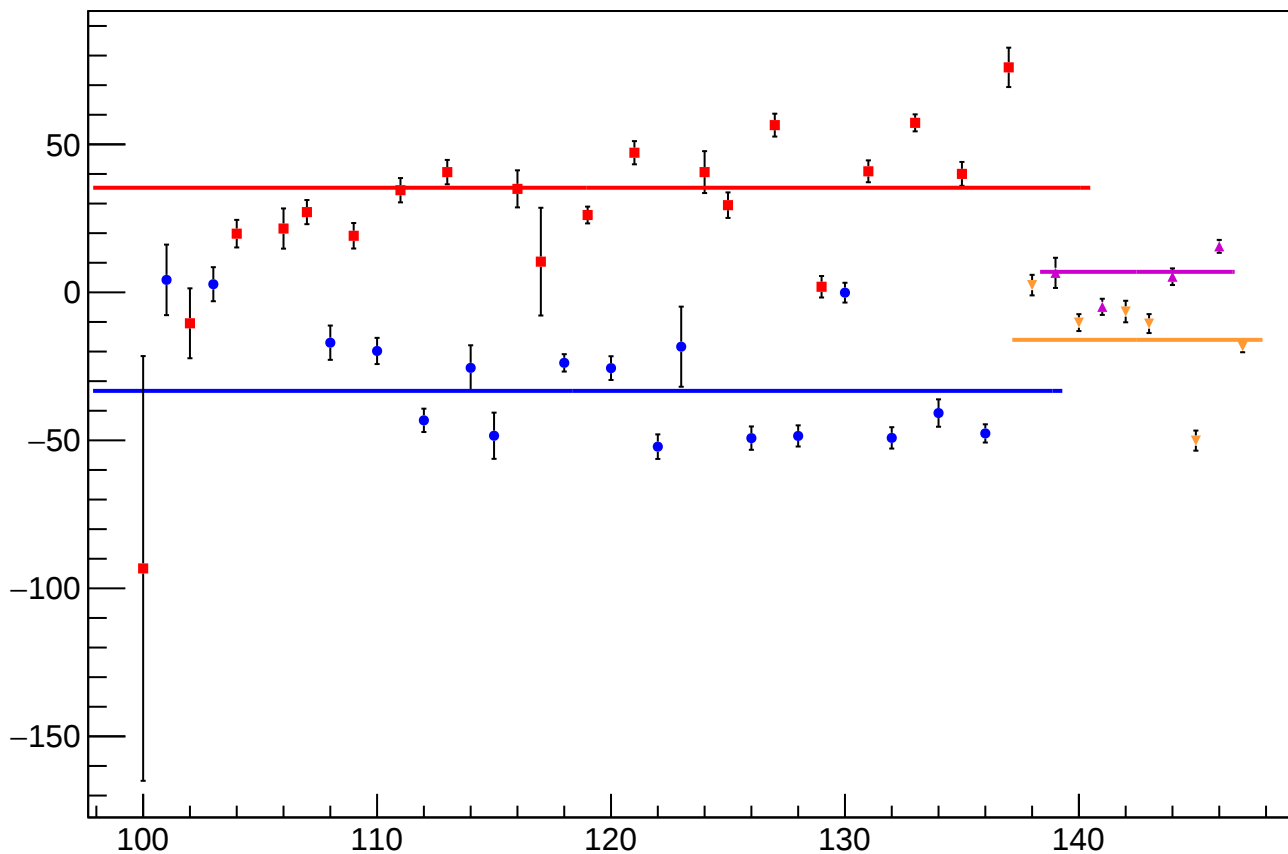
Left In: -20.545+/-1.592 χ^2/NDF : 226.2/3

34.021+/-1.075 χ^2/NDF : 850.3/22

2.401+/-0.778 χ^2/NDF : 3542.5/46

-32.414+/-1.128 χ^2/NDF : 875.3/23

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.040 ± 1.179 χ^2/NDF : 144.1/5

Right Out: 35.343 ± 0.990 χ^2/NDF : 291.6/19

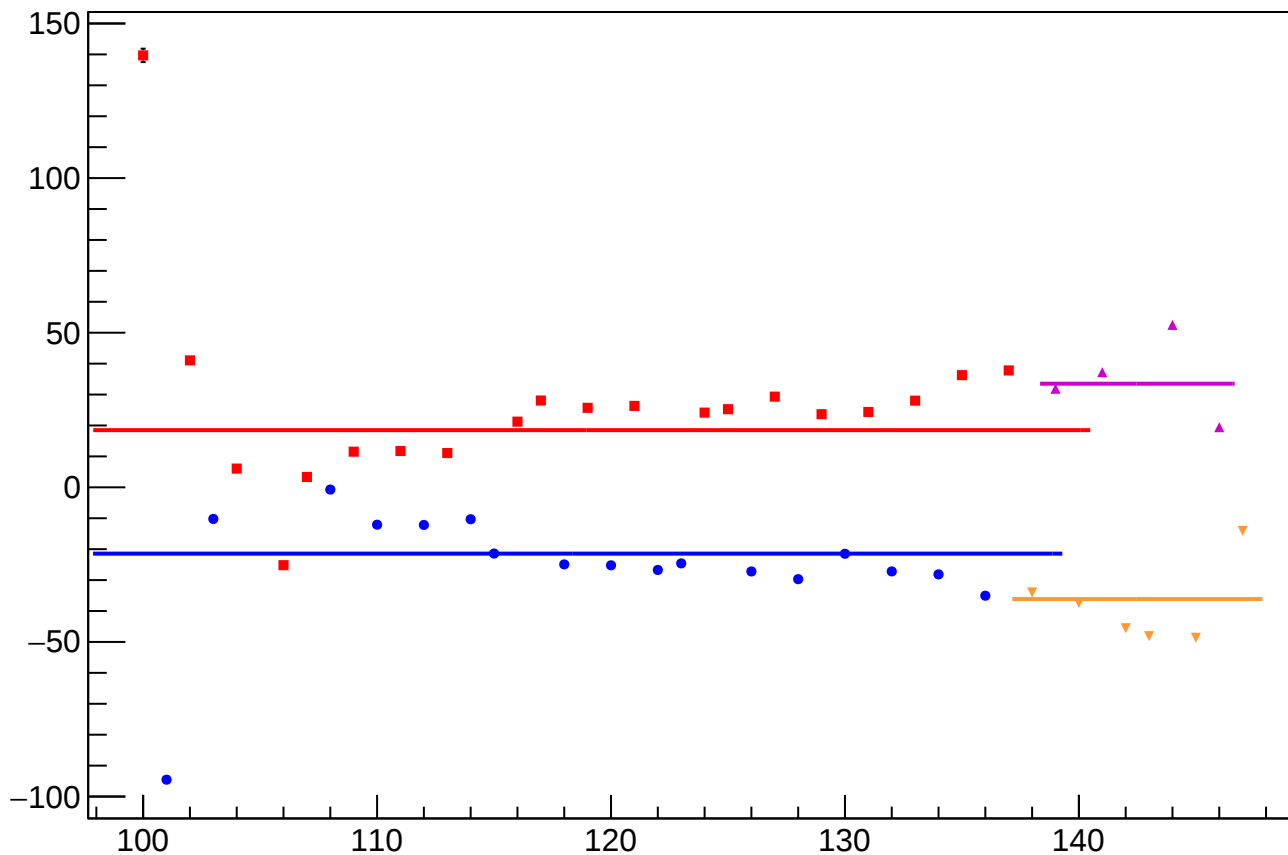
Left In: 6.933 ± 1.401 χ^2/NDF : 34.7/3

-25.710 ± 0.781 χ^2/NDF : 554.1/22

-0.788 ± 0.562 χ^2/NDF : 3260.1/46

25.882 ± 0.808 χ^2/NDF : 600.7/23

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -36.129 ± 0.059 $\chi^2/\text{NDF}: 43130.1/5$

Right Out: 18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

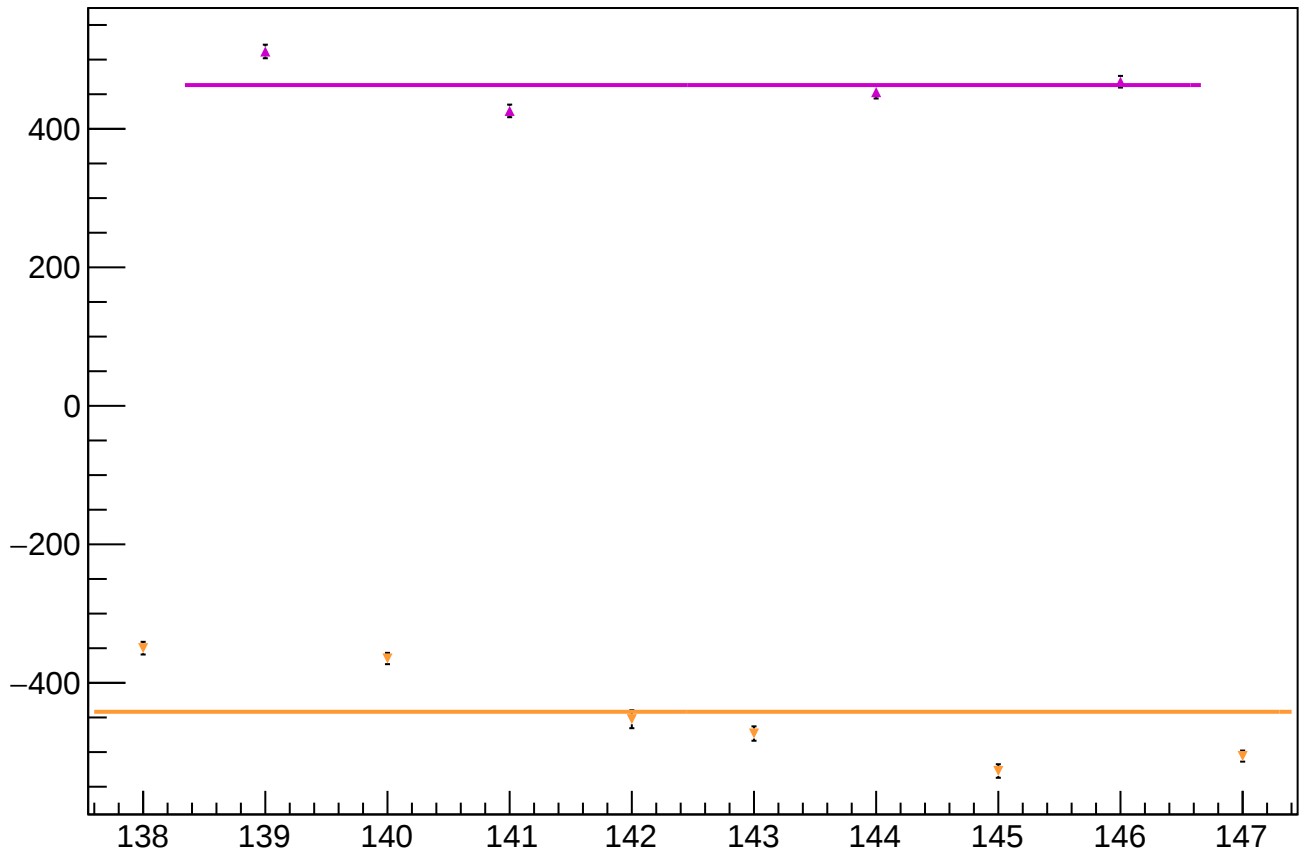
Left In: 33.513 ± 0.065 $\chi^2/\text{NDF}: 27960.2/3$

-28.825 ± 0.042 $\chi^2/\text{NDF}: 123341.7/22$

-2.843 ± 0.030 $\chi^2/\text{NDF}: 1072762.4/46$

25.044 ± 0.043 $\chi^2/\text{NDF}: 138475.8/23$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -441.787+/-3.832 χ^2/NDF : 338.9/5

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

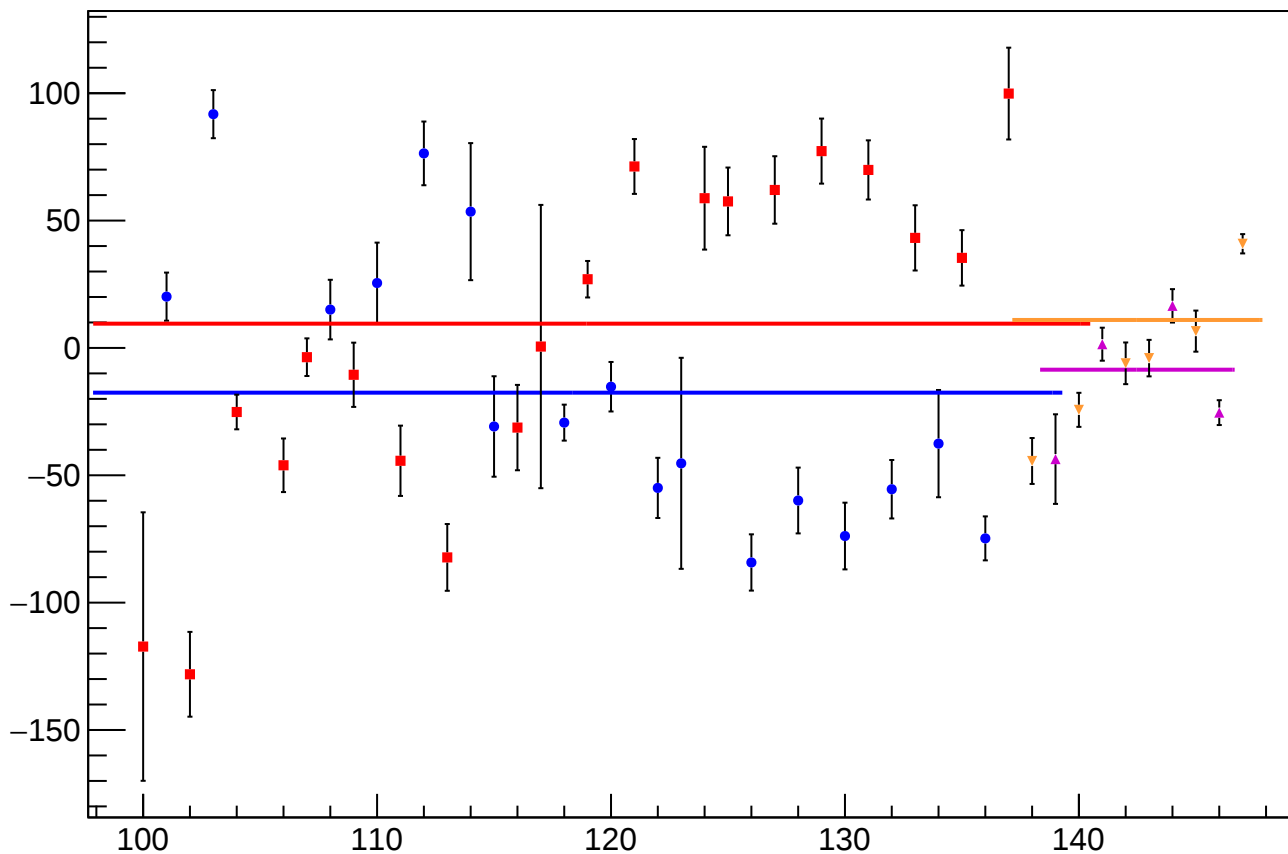
Left In: 463.215+/-4.546 χ^2/NDF : 42.8/3

-441.787+/-3.832 χ^2/NDF : 338.9/5

-65.892+/-2.930 χ^2/NDF : 23553.1/9

463.215+/-4.546 χ^2/NDF : 42.8/3

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 10.980 ± 2.547 χ^2/NDF : 137.0/5

Right Out: 9.527 ± 2.606 χ^2/NDF : 370.3/19

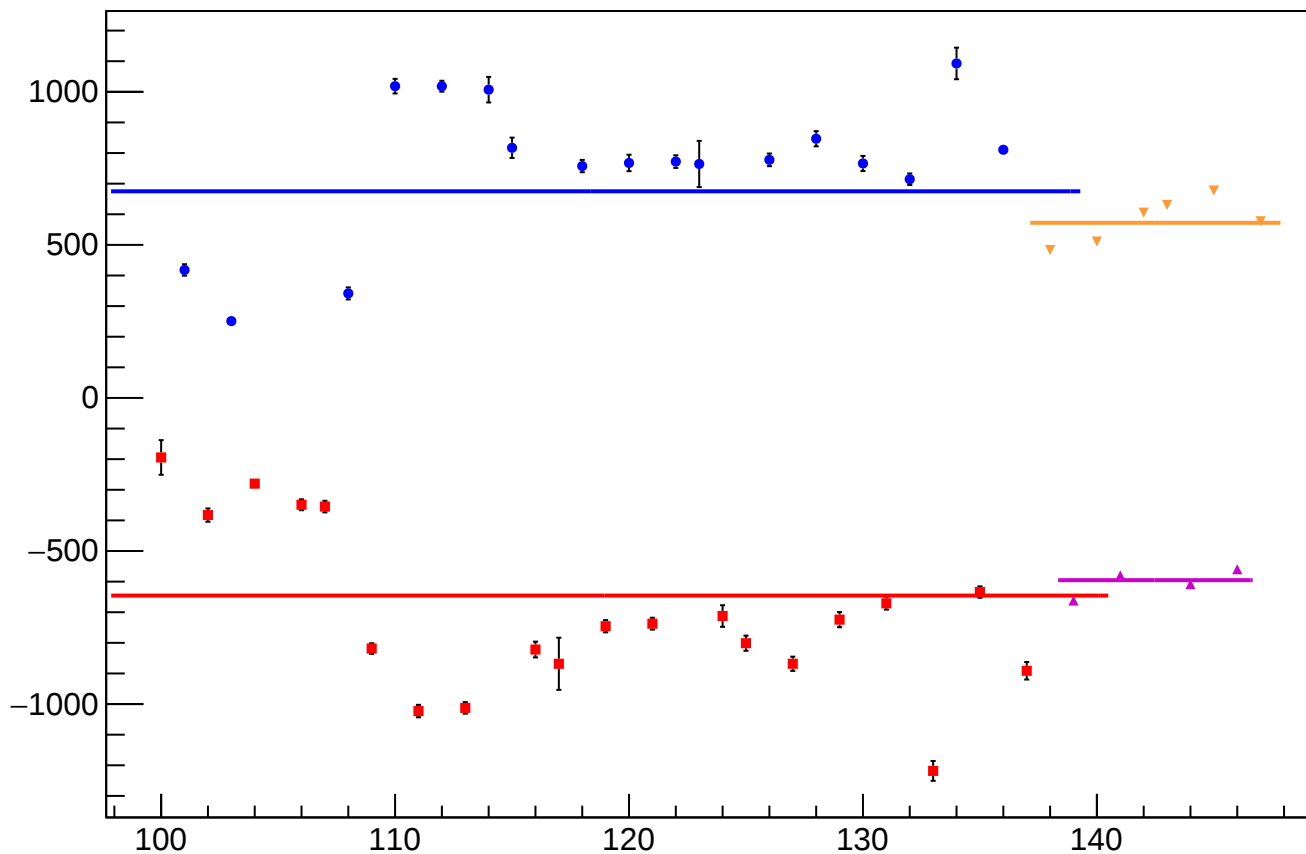
Left In: -8.544 ± 3.291 χ^2/NDF : 32.9/3

-1.841 ± 1.890 χ^2/NDF : 557.1/22

0.191 ± 1.387 χ^2/NDF : 981.4/46

2.564 ± 2.043 χ^2/NDF : 421.7/23

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 572.189 $\pm$ 3.955 χ^2 /NDF:267.2/5

Right Out: -645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

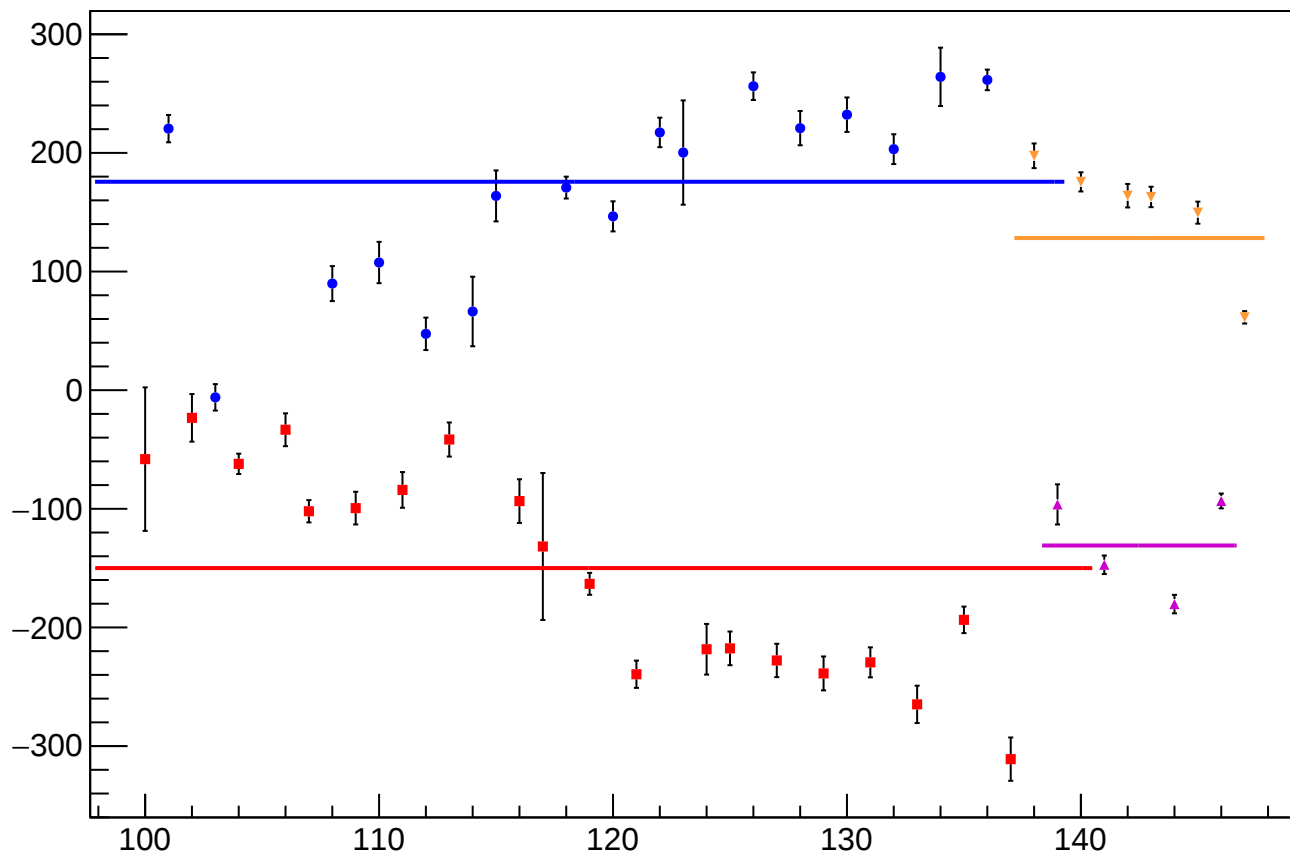
Left In: -595.304 $\pm$ 4.697 χ^2 /NDF:63.1/3

611.125 $\pm$ 3.118 χ^2 /NDF: 3107.6/22

38.034 $\pm$ 2.280 χ^2 /NDF: 78949.6/46

-620.157 $\pm$ 3.341 χ^2 /NDF: 3248.8/23

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 $\pm$ 3.239 χ^2/NDF : 637.9/16

Left Out: 128.226 $\pm$ 3.220 χ^2/NDF :277.0/5

Right Out: -149.973 $\pm$ 3.038 χ^2/NDF : 693.8/19

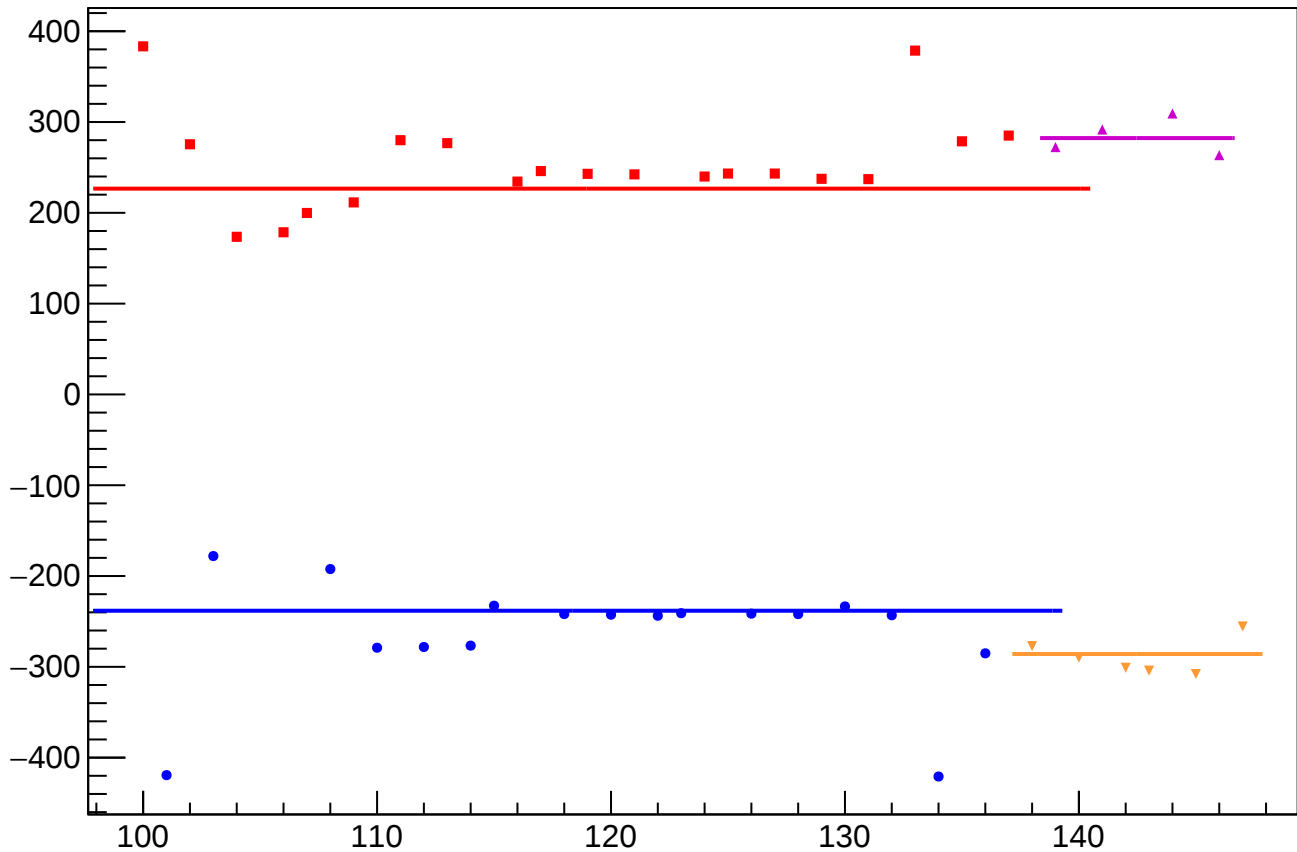
Left In: -130.935 $\pm$ 4.014 χ^2/NDF :84.9/3

151.815 $\pm$ 2.283 χ^2/NDF : 1022.9/22

13.109 $\pm$ 1.662 χ^2/NDF : 9660.7/46

-143.039 $\pm$ 2.423 χ^2/NDF : 793.1/23

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -285.883 ± 0.168 χ^2/NDF : 13376.3/5

Right Out: 226.626 ± 0.151 χ^2/NDF : 102587.0/19

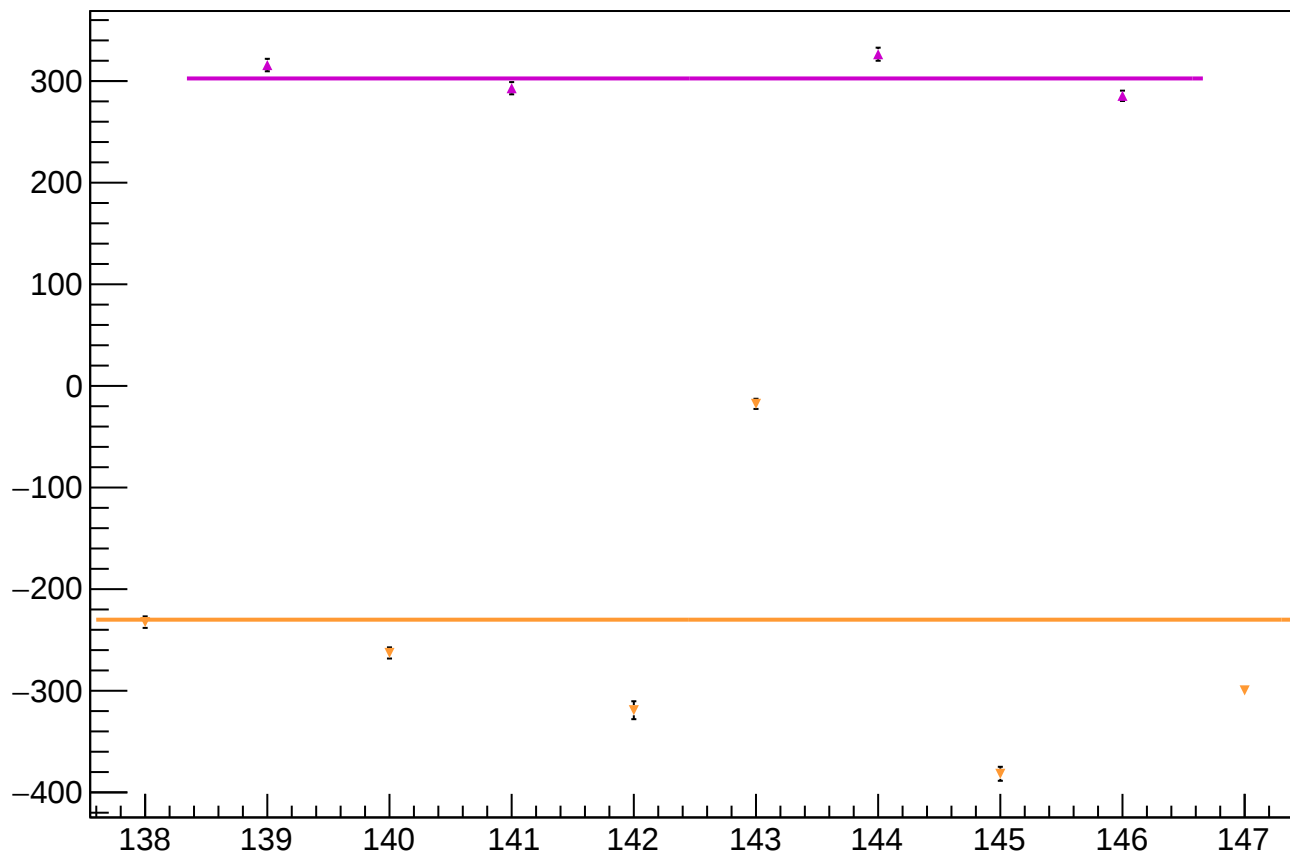
Left In: 282.316 ± 0.195 χ^2/NDF : 7825.7/3

-261.020 ± 0.116 χ^2/NDF : 222714.1/22

-14.342 ± 0.083 χ^2/NDF : 9725777.3/46

247.546 ± 0.119 χ^2/NDF : 161432.0/23

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -230.046 ± 2.353 χ^2/NDF : 2627.7/5

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

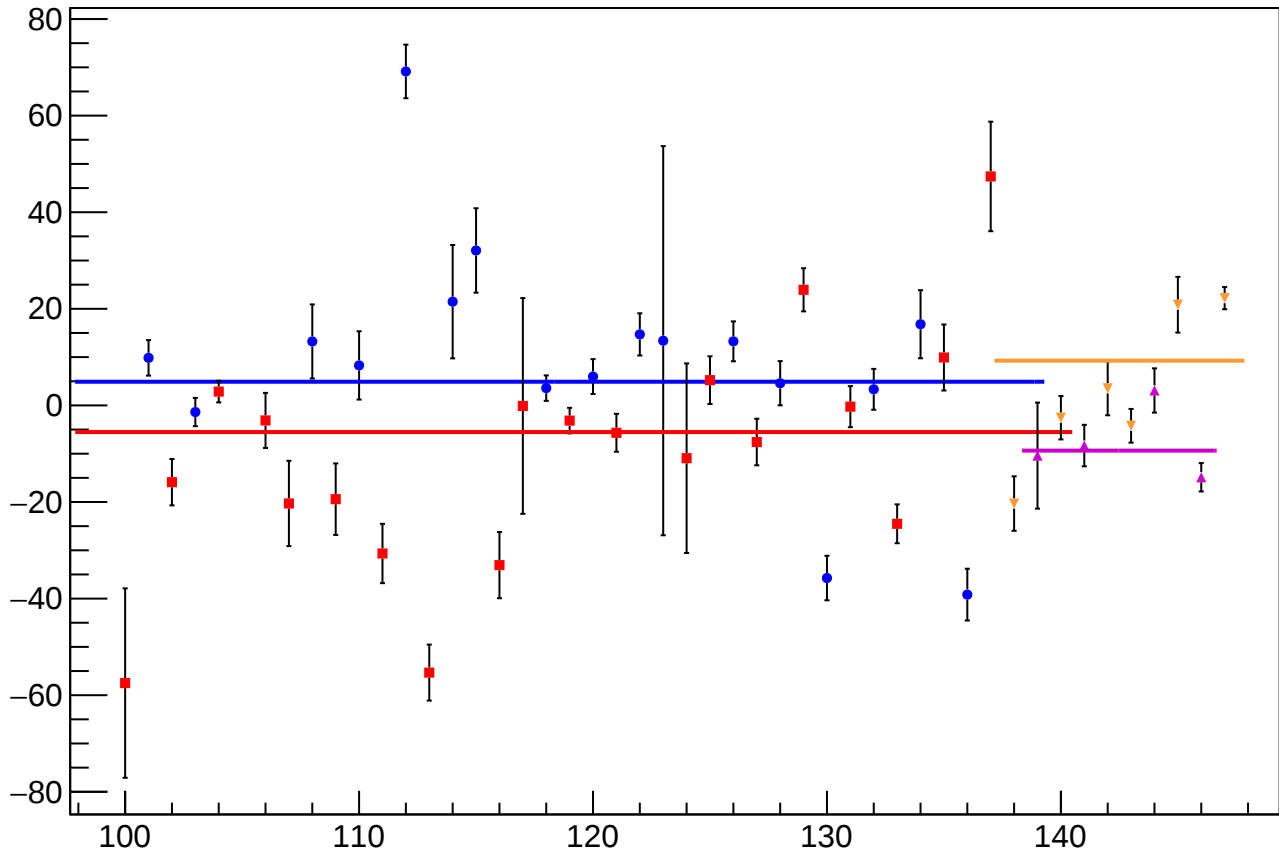
Left In: 302.570 ± 2.927 χ^2/NDF : 32.1/3

-230.046 ± 2.353 χ^2/NDF : 2627.7/5

-20.910 ± 1.834 χ^2/NDF : 22771.9/9

302.570 ± 2.927 χ^2/NDF : 32.1/3

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 9.264 ± 1.552 $\chi^2/\text{NDF}: 86.2/5$

Right Out: -5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

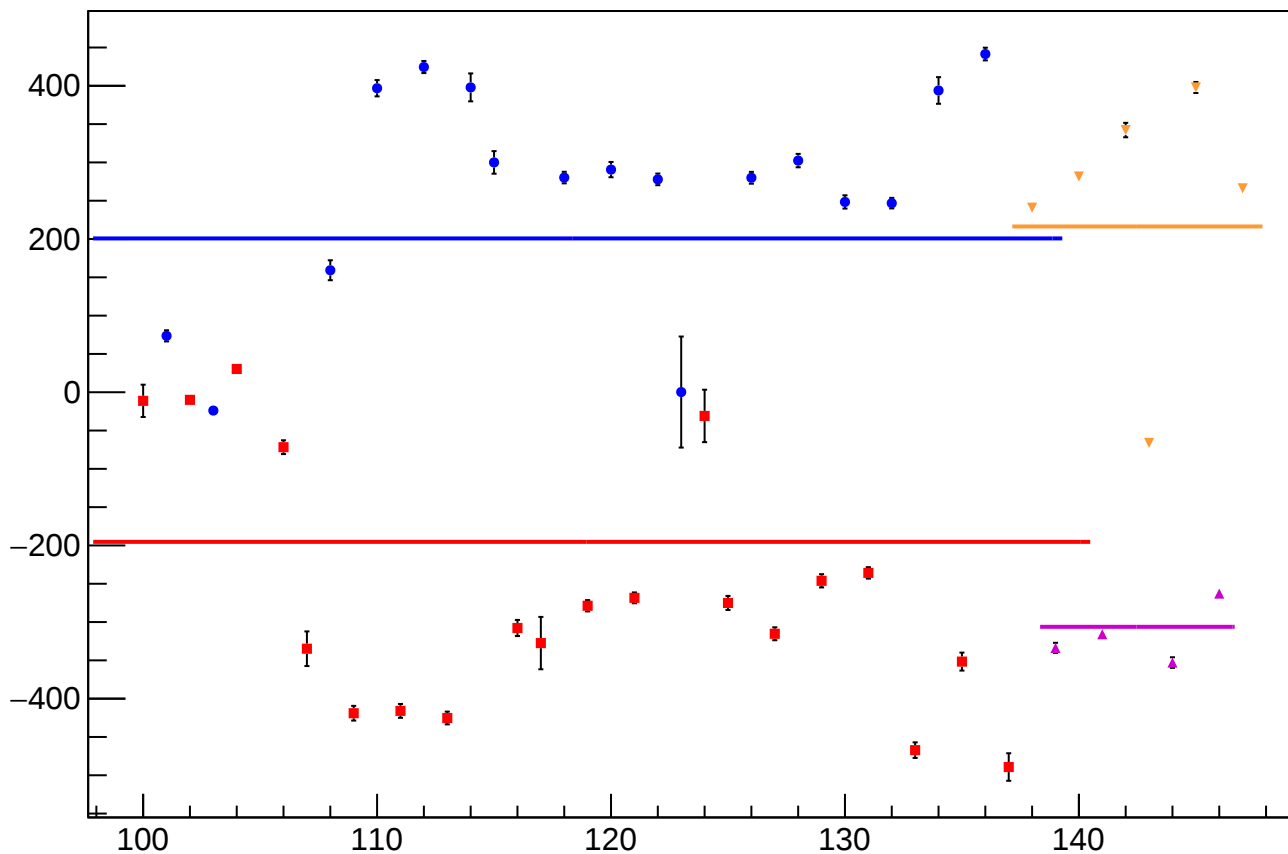
Left In: -9.359 ± 2.103 $\chi^2/\text{NDF}: 11.0/3$

6.372 ± 0.900 $\chi^2/\text{NDF}: 403.1/22$

0.384 ± 0.654 $\chi^2/\text{NDF}: 749.3/46$

-6.304 ± 0.952 $\chi^2/\text{NDF}: 252.6/23$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 $\pm$ 1.983 χ^2/NDF : 6733.0/16

Left Out: 216.382 $\pm$ 2.426 χ^2/NDF : 3863.0/5

Right Out: -195.311 $\pm$ 1.921 χ^2/NDF : 8262.1/19

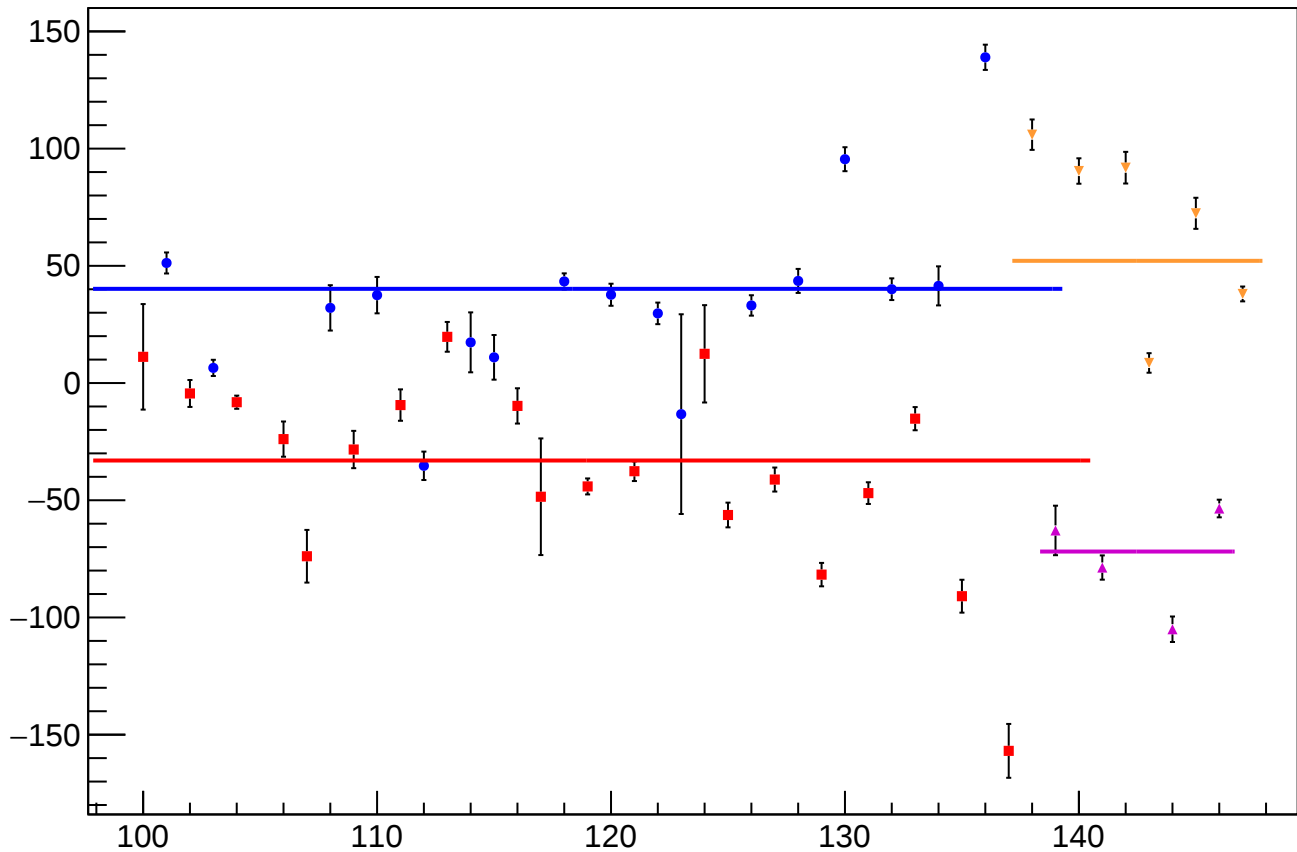
Left In: -306.208 $\pm$ 3.011 χ^2/NDF : 145.0/3

207.025 $\pm$ 1.535 χ^2/NDF : 10620.8/22

1.352 $\pm$ 1.114 χ^2/NDF : 57887.3/46

-227.390 $\pm$ 1.619 χ^2/NDF : 9371.3/23

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 52.135 ± 1.962 $\chi^2/\text{NDF}: 291.7/5$

Right Out: -33.045 ± 1.249 $\chi^2/\text{NDF}: 553.1/19$

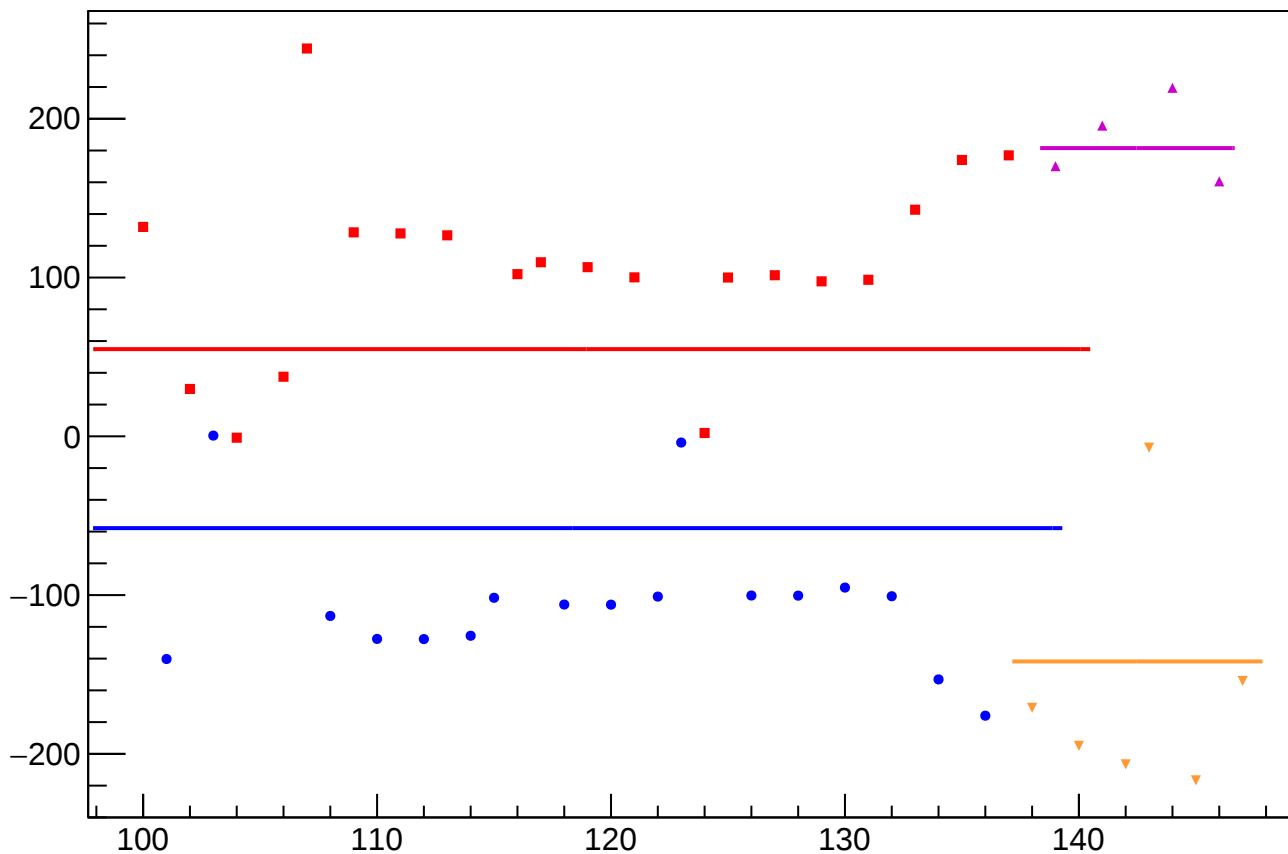
Left In: -71.880 ± 2.576 $\chi^2/\text{NDF}: 63.4/3$

43.765 ± 1.074 $\chi^2/\text{NDF}: 1052.3/22$

3.573 ± 0.776 $\chi^2/\text{NDF}: 4787.2/46$

-40.434 ± 1.124 $\chi^2/\text{NDF}: 800.5/23$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 +/- 0.062 χ^2/NDF : 1101296.2/16

Left Out: -141.782 +/- 0.102 χ^2/NDF : 555500.5/5

Right Out: 54.915 +/- 0.060 χ^2/NDF : 1001968.3/19

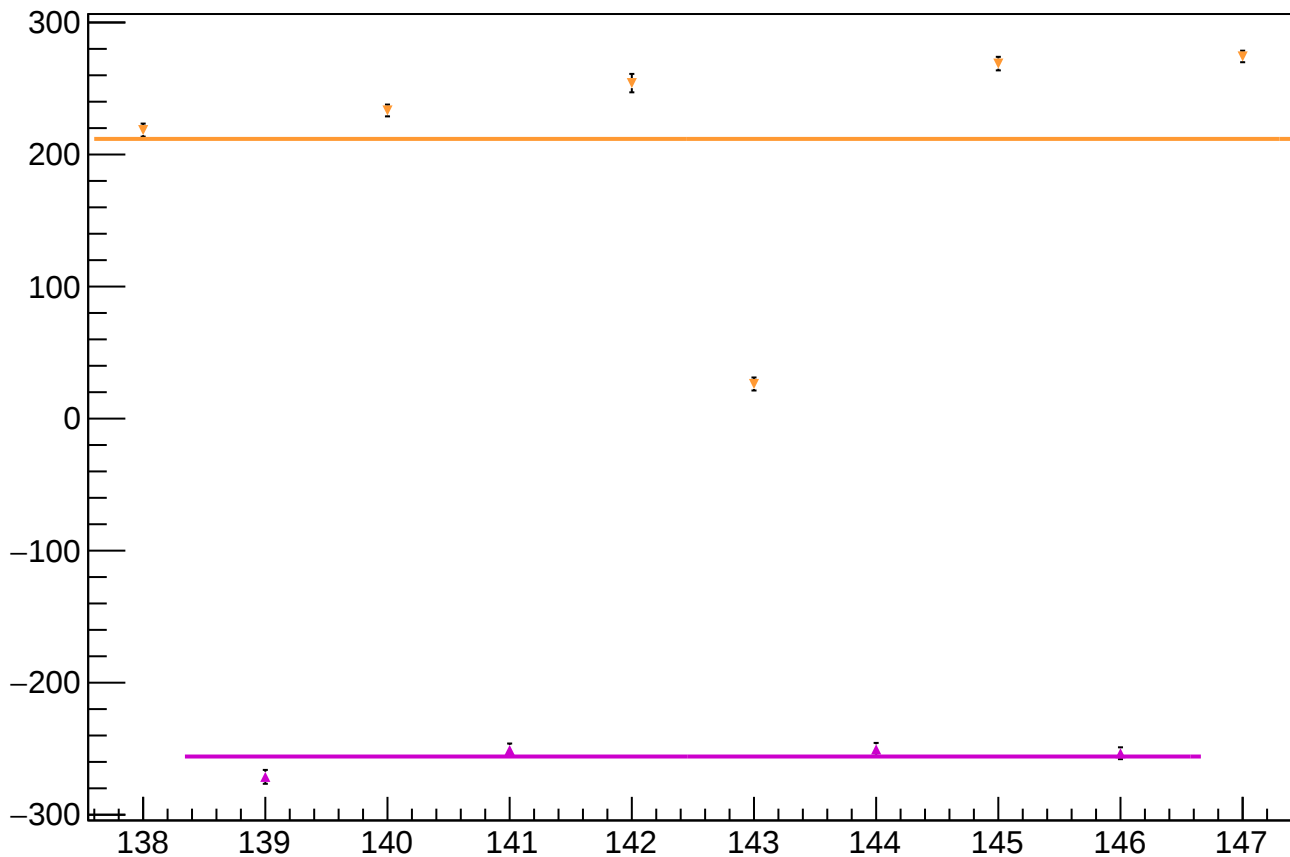
Left In: 181.521 +/- 0.125 χ^2/NDF : 29956.0/3

-80.205 +/- 0.053 χ^2/NDF : 2149066.9/22

-2.645 +/- 0.038 χ^2/NDF : 8419133.5/46

78.782 +/- 0.054 χ^2/NDF : 1866099.1/23

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 211.825+/-2.030 χ^2/NDF : 1805.1/5

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

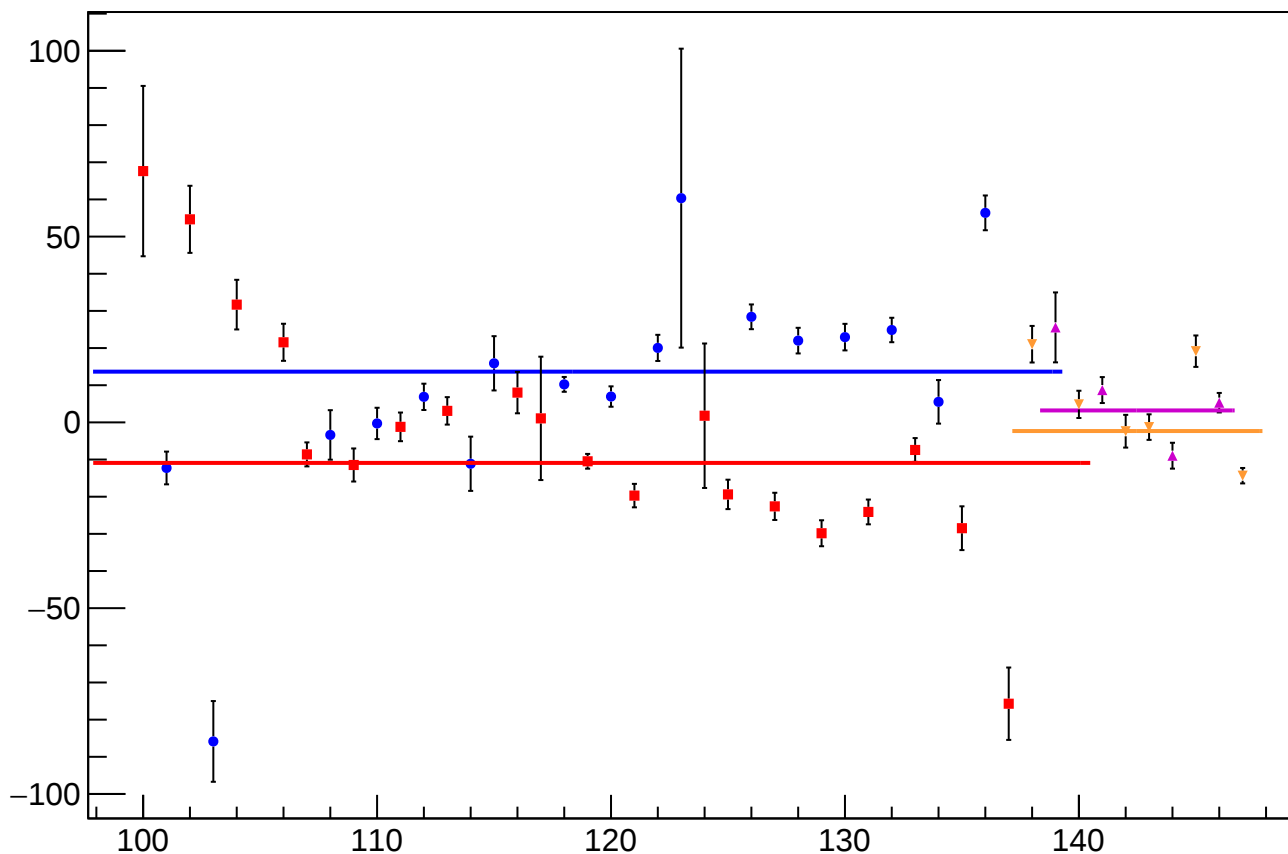
Left In: -255.912+/-2.430 χ^2/NDF : 11.1/3

211.825+/-2.030 χ^2/NDF : 1805.1/5

19.514+/-1.558 χ^2/NDF : 23635.0/9

-255.912+/-2.430 χ^2/NDF : 11.1/3

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 ± 0.936 $\chi^2/\text{NDF}: 294.0/16$

Left Out: -2.331 ± 1.361 $\chi^2/\text{NDF}: 85.8/5$

Right Out: -10.908 ± 0.912 $\chi^2/\text{NDF}: 303.1/19$

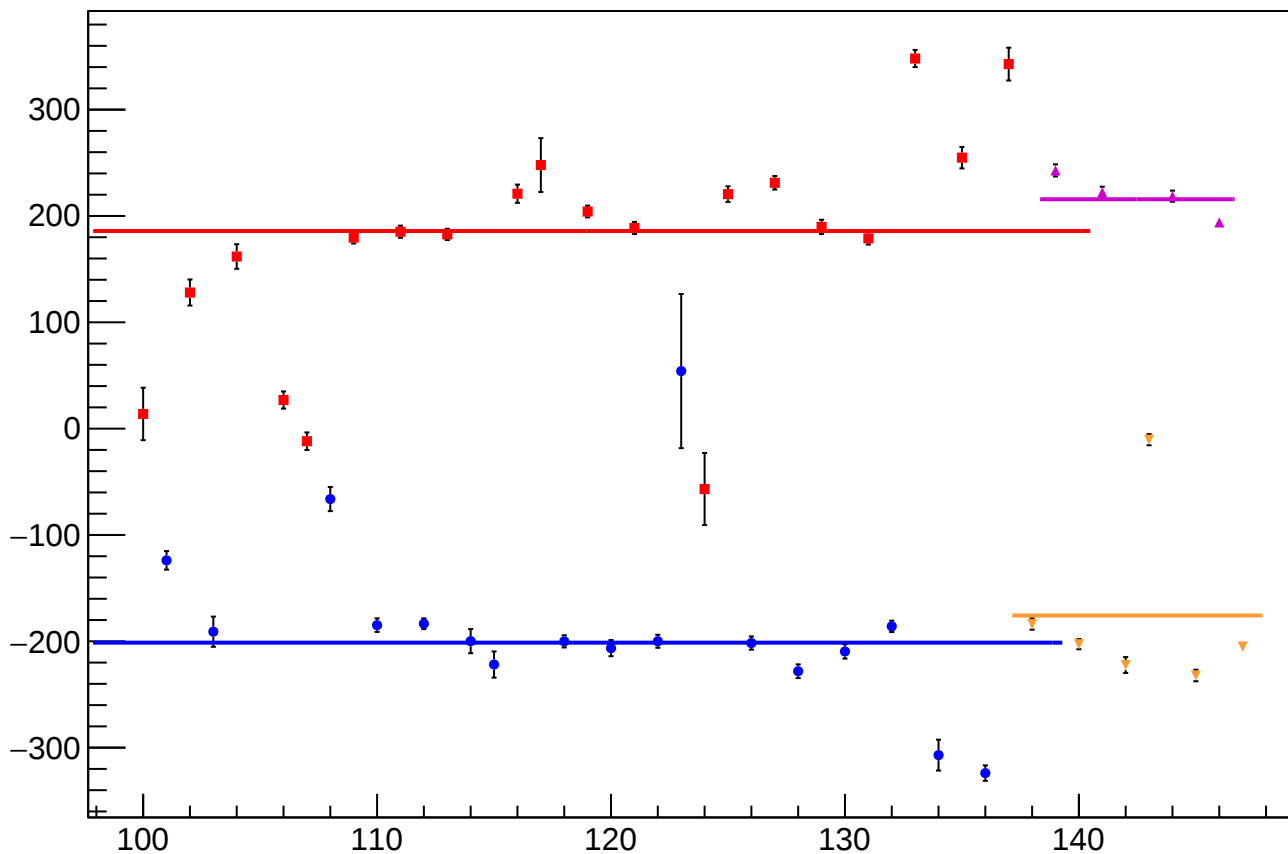
Left In: 3.214 ± 1.765 $\chi^2/\text{NDF}: 21.0/3$

8.520 ± 0.771 $\chi^2/\text{NDF}: 473.4/22$

0.696 ± 0.559 $\chi^2/\text{NDF}: 1064.3/46$

-7.932 ± 0.810 $\chi^2/\text{NDF}: 374.6/23$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -175.719 ± 2.100 χ^2/NDF : 1219.0/5

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

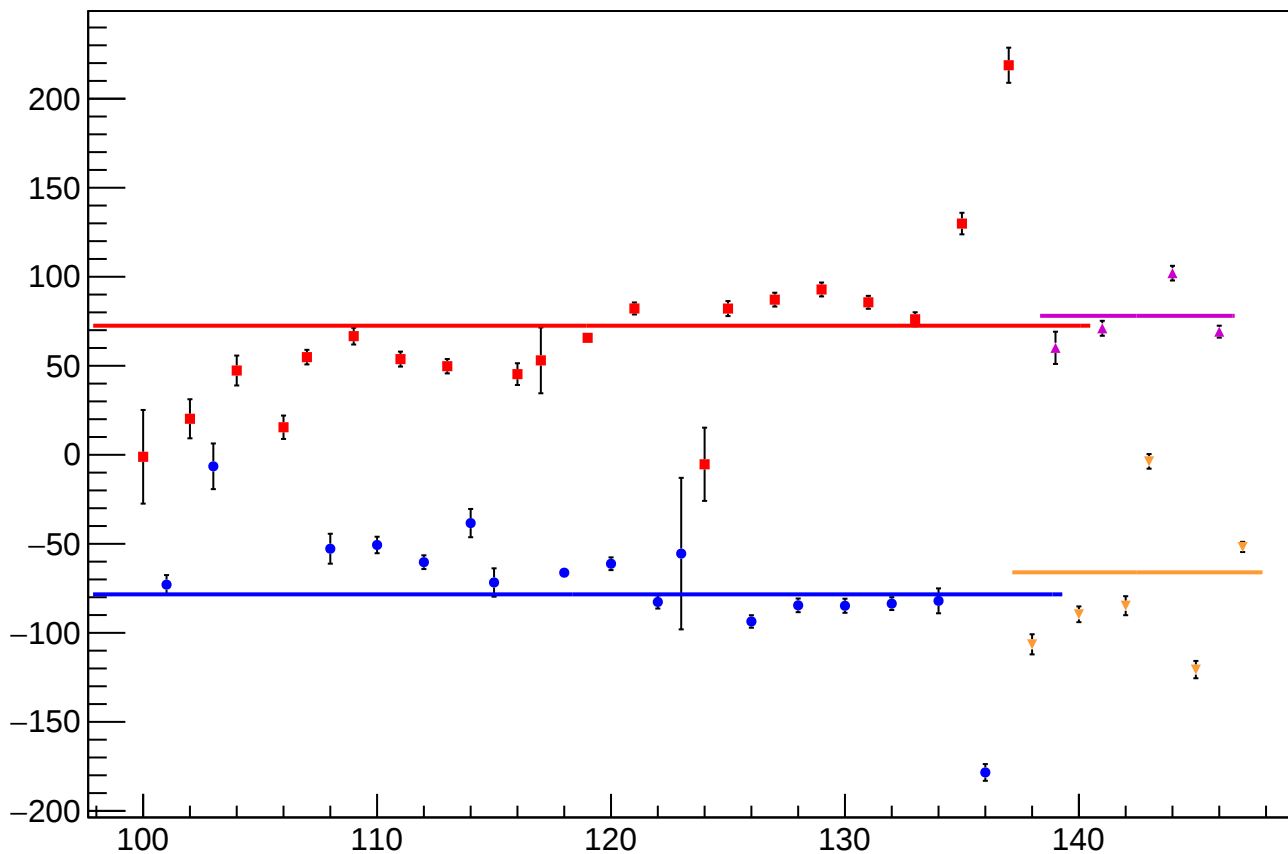
Left In: 215.722 ± 2.511 χ^2/NDF : 50.3/3

-190.481 ± 1.365 χ^2/NDF : 1927.9/22

-3.268 ± 0.979 χ^2/NDF : 42595.6/46

195.217 ± 1.405 χ^2/NDF : 1899.4/23

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -66.016 ± 1.712 χ^2/NDF : 473.2/5

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

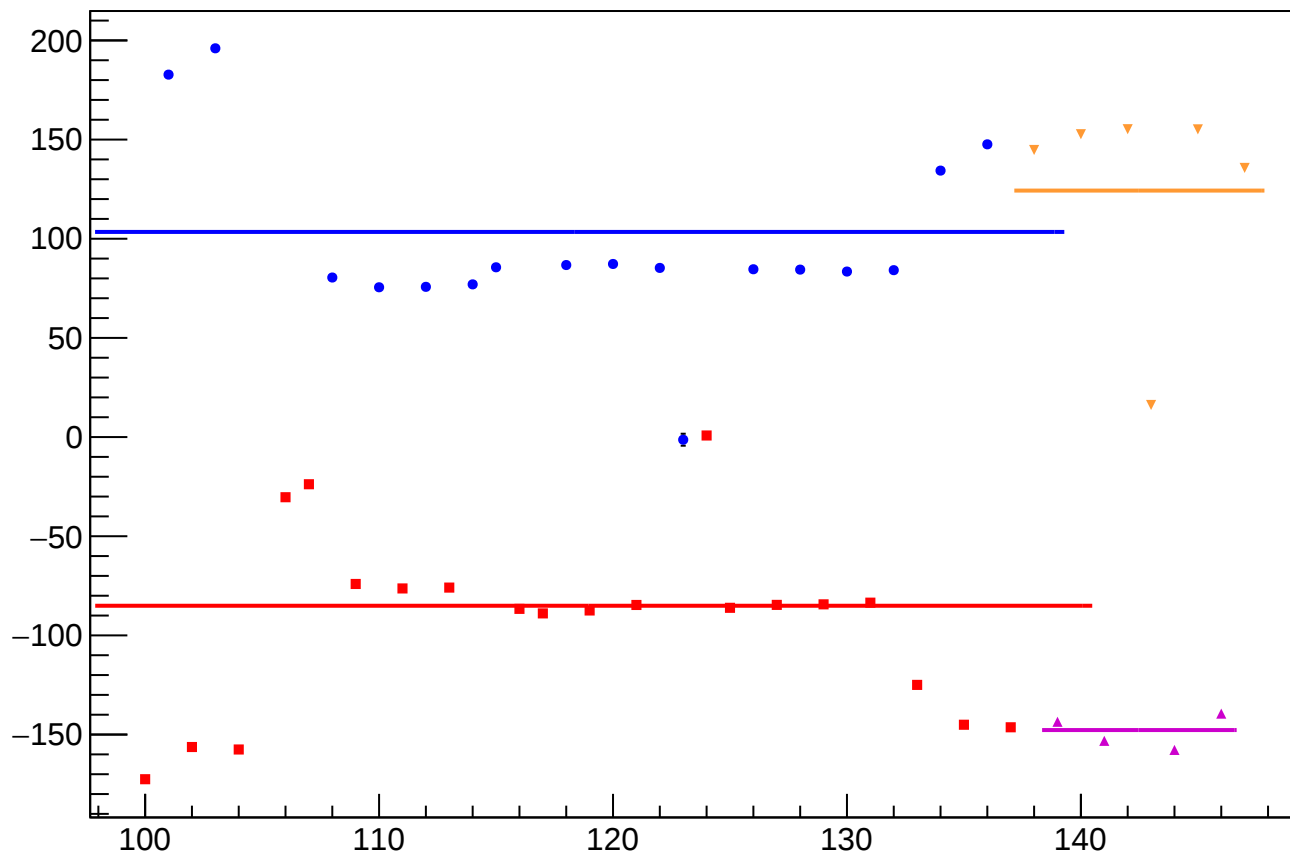
Left In: 78.065 ± 2.150 χ^2/NDF : 47.4/3

-74.851 ± 0.914 χ^2/NDF : 1161.8/22

-2.964 ± 0.657 χ^2/NDF : 14587.3/46

73.582 ± 0.943 χ^2/NDF : 659.8/23

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 124.287 $\pm$ 0.088 χ^2/NDF : 326656.1/5

Right Out: -85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

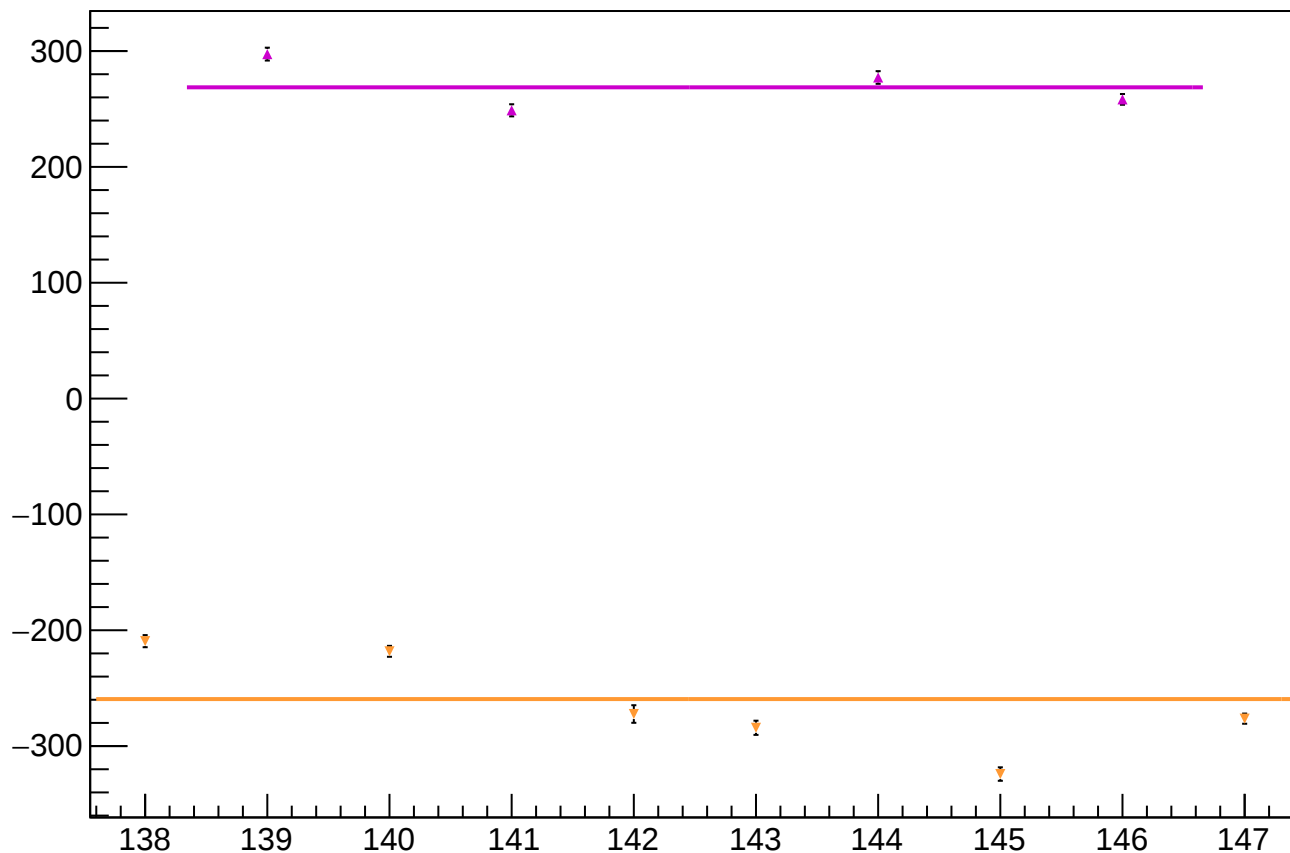
Left In: -147.733 $\pm$ 0.104 χ^2/NDF : 4769.7/3

111.590 $\pm$ 0.055 χ^2/NDF : 633282.9/22

2.826 $\pm$ 0.039 χ^2/NDF : 8920740.3/46

-102.078 $\pm$ 0.054 χ^2/NDF : 690540.1/23

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -259.414 ± 2.201 χ^2/NDF : 324.8/5

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

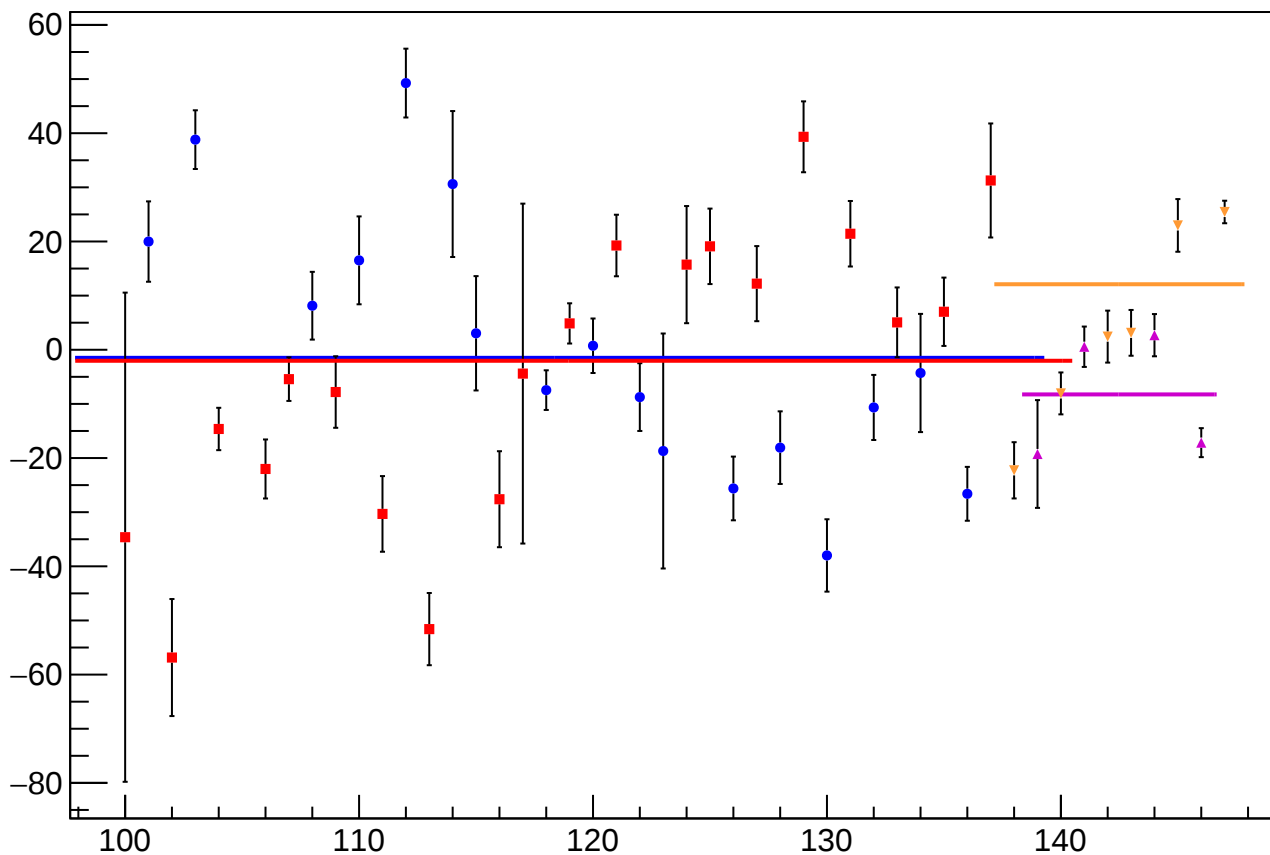
Left In: 268.693 ± 2.592 χ^2/NDF : 48.4/3

-259.414 ± 2.201 χ^2/NDF : 324.8/5

-38.171 ± 1.678 χ^2/NDF : 24498.2/9

268.693 ± 2.592 χ^2/NDF : 48.4/3

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 12.102 ± 1.449 χ^2/NDF : 125.6/5

Right Out: -2.032 ± 1.398 χ^2/NDF : 233.3/19

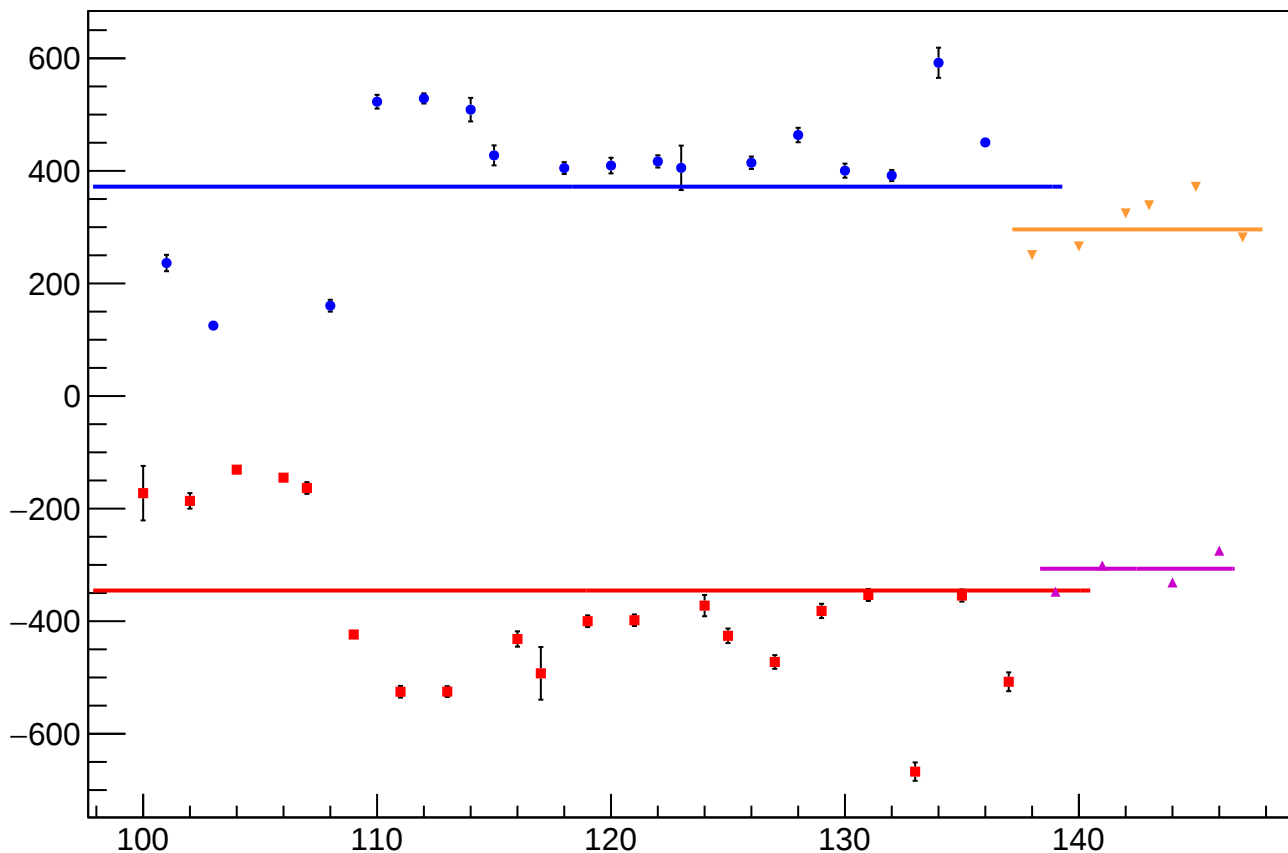
Left In: -8.248 ± 1.866 χ^2/NDF : 25.7/3

5.703 ± 1.054 χ^2/NDF : 393.0/22

1.015 ± 0.767 χ^2/NDF : 701.2/46

-4.267 ± 1.119 χ^2/NDF : 266.1/23

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 $\pm$ 2.778 χ^2/NDF : 2432.6/16

Left Out: 295.975 $\pm$ 2.263 χ^2/NDF : 320.9/5

Right Out: -345.485 $\pm$ 2.558 χ^2/NDF : 3425.1/19

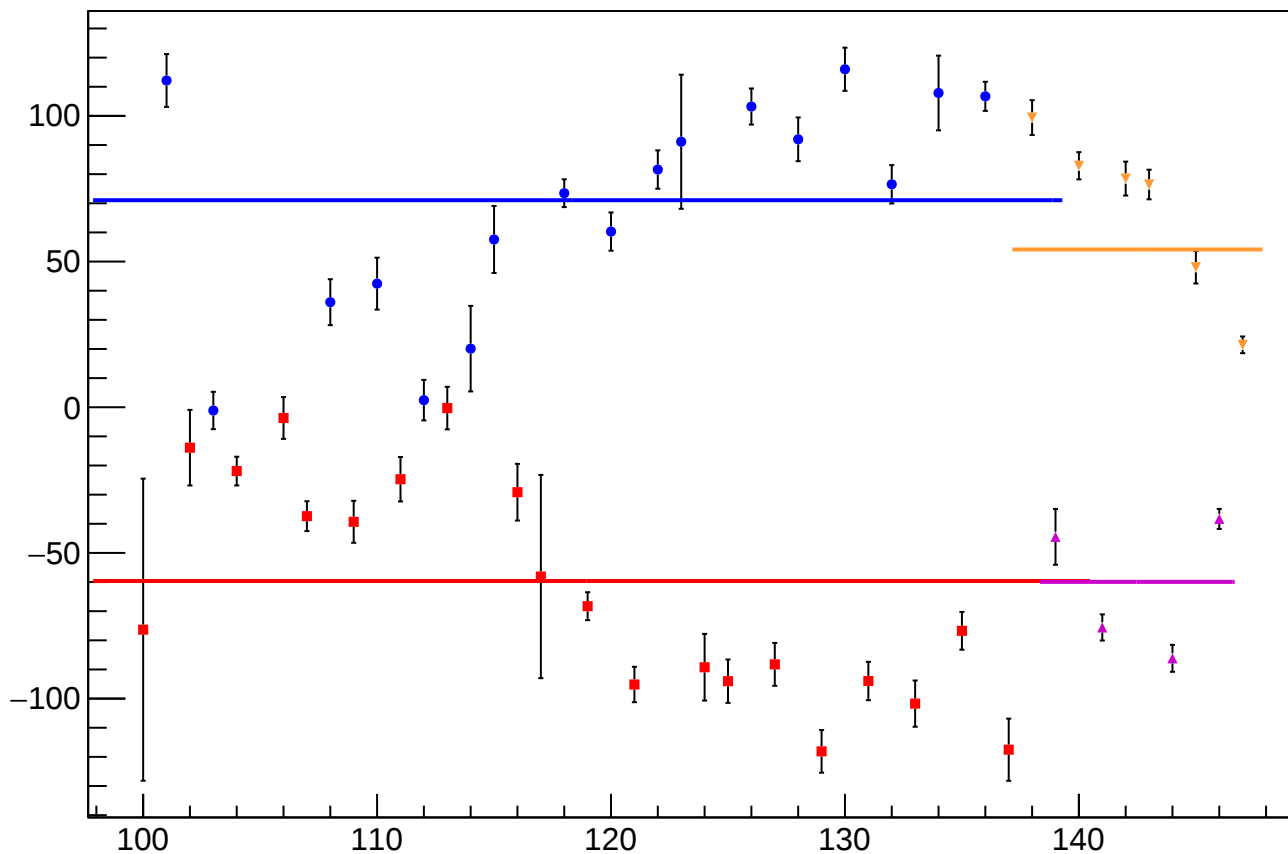
Left In: -306.789 $\pm$ 2.671 χ^2/NDF : 116.7/3

326.297 $\pm$ 1.755 χ^2/NDF : 3203.4/22

16.534 $\pm$ 1.272 χ^2/NDF : 72592.2/46

-326.973 $\pm$ 1.848 χ^2/NDF : 3651.3/23

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2/NDF : 426.2/16

Left Out: 54.143 $\pm$ 1.839 χ^2/NDF : 263.3/5

Right Out: -59.634 $\pm$ 1.629 χ^2/NDF : 491.6/19

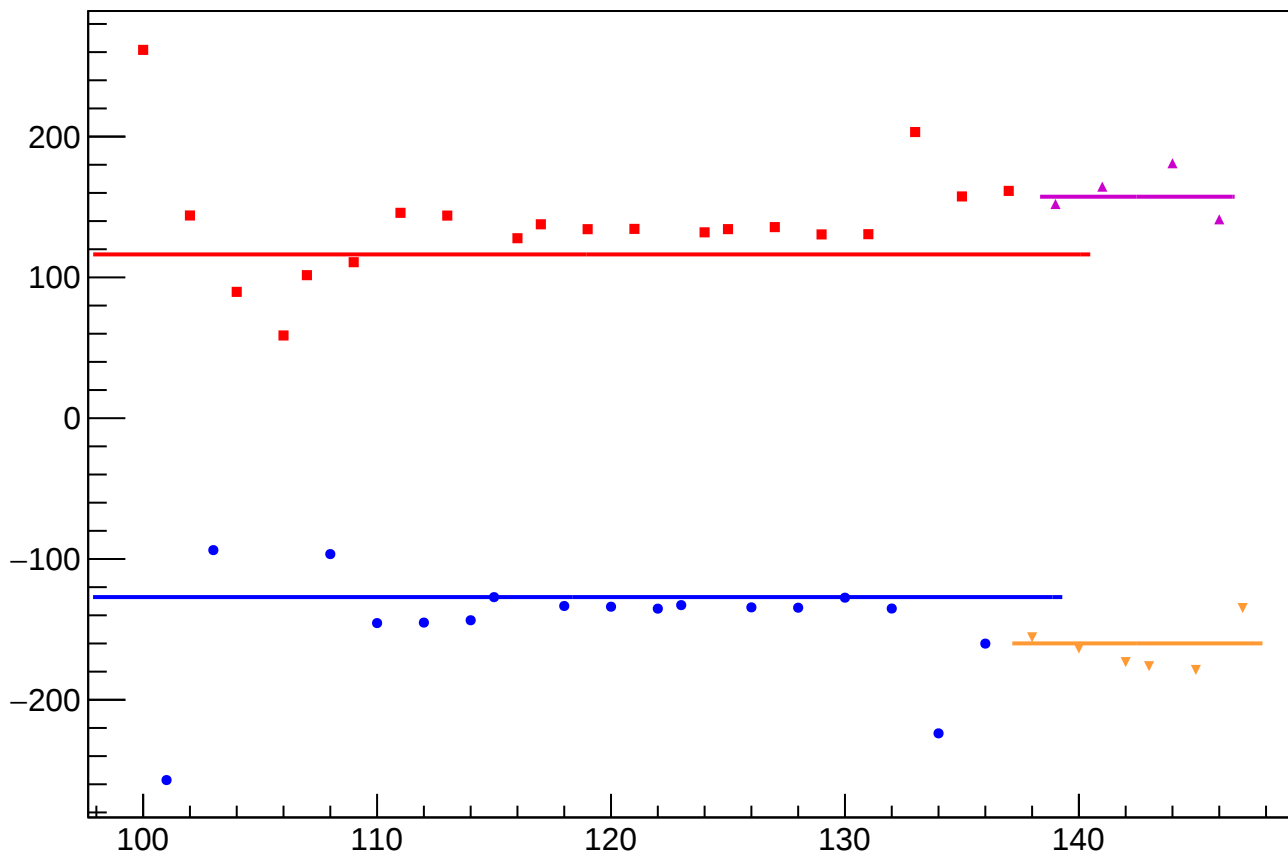
Left In: -59.933 $\pm$ 2.281 χ^2/NDF : 86.6/3

62.953 $\pm$ 1.273 χ^2/NDF : 733.5/22

4.094 $\pm$ 0.918 χ^2/NDF : 5766.6/46

-59.735 $\pm$ 1.326 χ^2/NDF : 578.2/23

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -159.935+/-0.096 χ^2/NDF : 29108.9/5

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

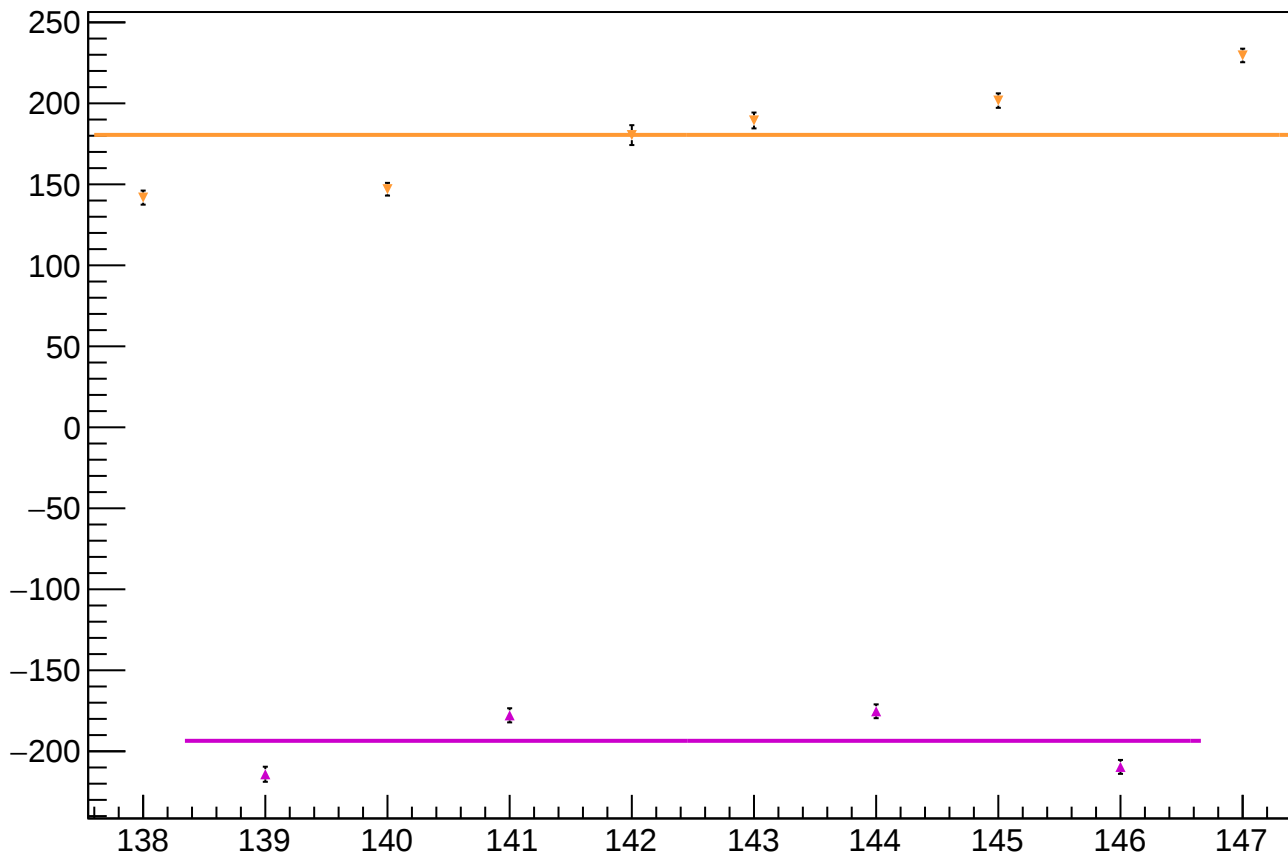
Left In: 157.309+/-0.111 χ^2/NDF : 16426.9/3

-142.359+/-0.066 χ^2/NDF : 258591.0/22

-7.249+/-0.047 χ^2/NDF : 9104594.0/46

131.032+/-0.066 χ^2/NDF : 271274.2/23

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 180.531+/-1.848 χ^2/NDF :314.7/5

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

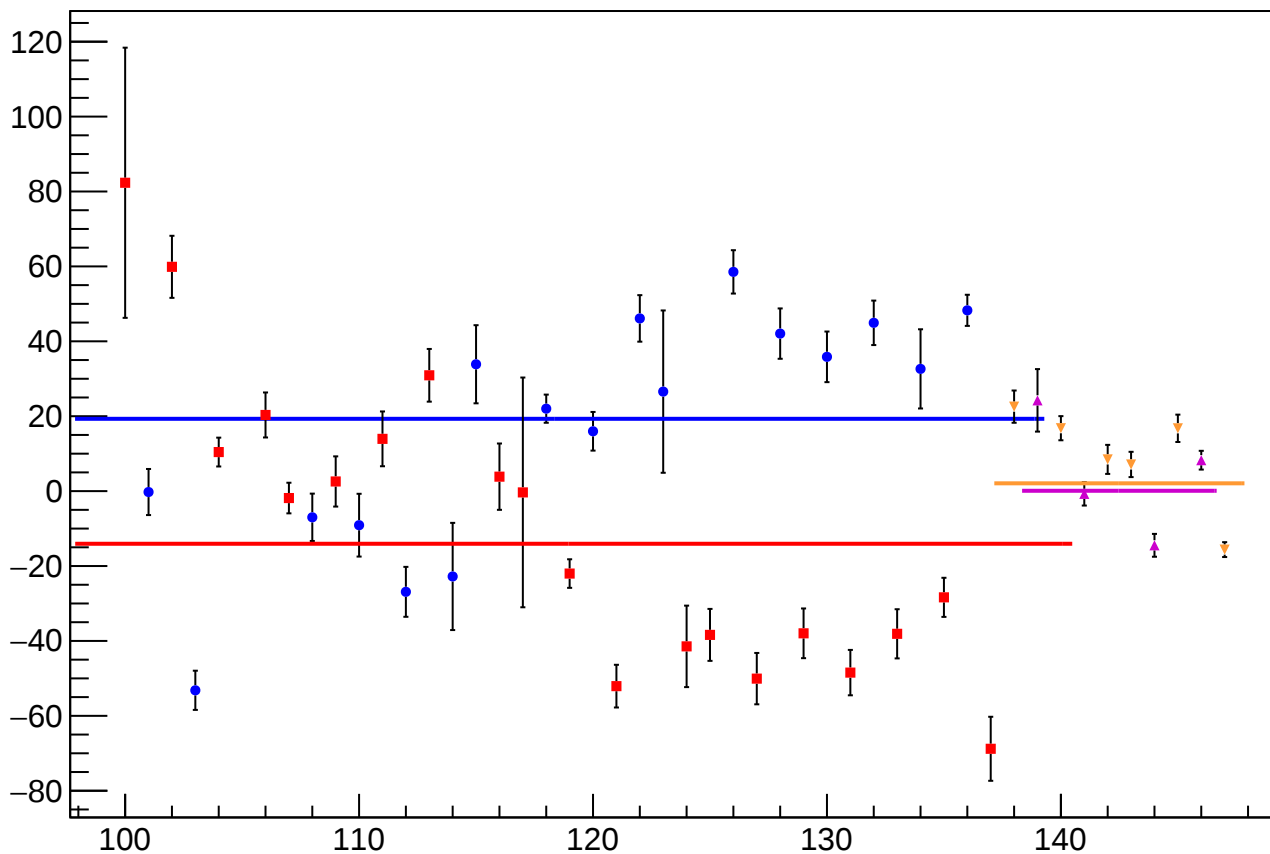
Left In: -193.540+/-2.196 χ^2/NDF :64.9/3

180.531+/-1.848 χ^2/NDF : 314.7/5

25.409+/-1.414 χ^2/NDF : 17365.2/9

-193.540+/-2.196 χ^2/NDF : 64.9/3

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 2.082 ± 1.257 χ^2/NDF : 144.1/5

Right Out: -14.055 ± 1.388 χ^2/NDF : 437.1/19

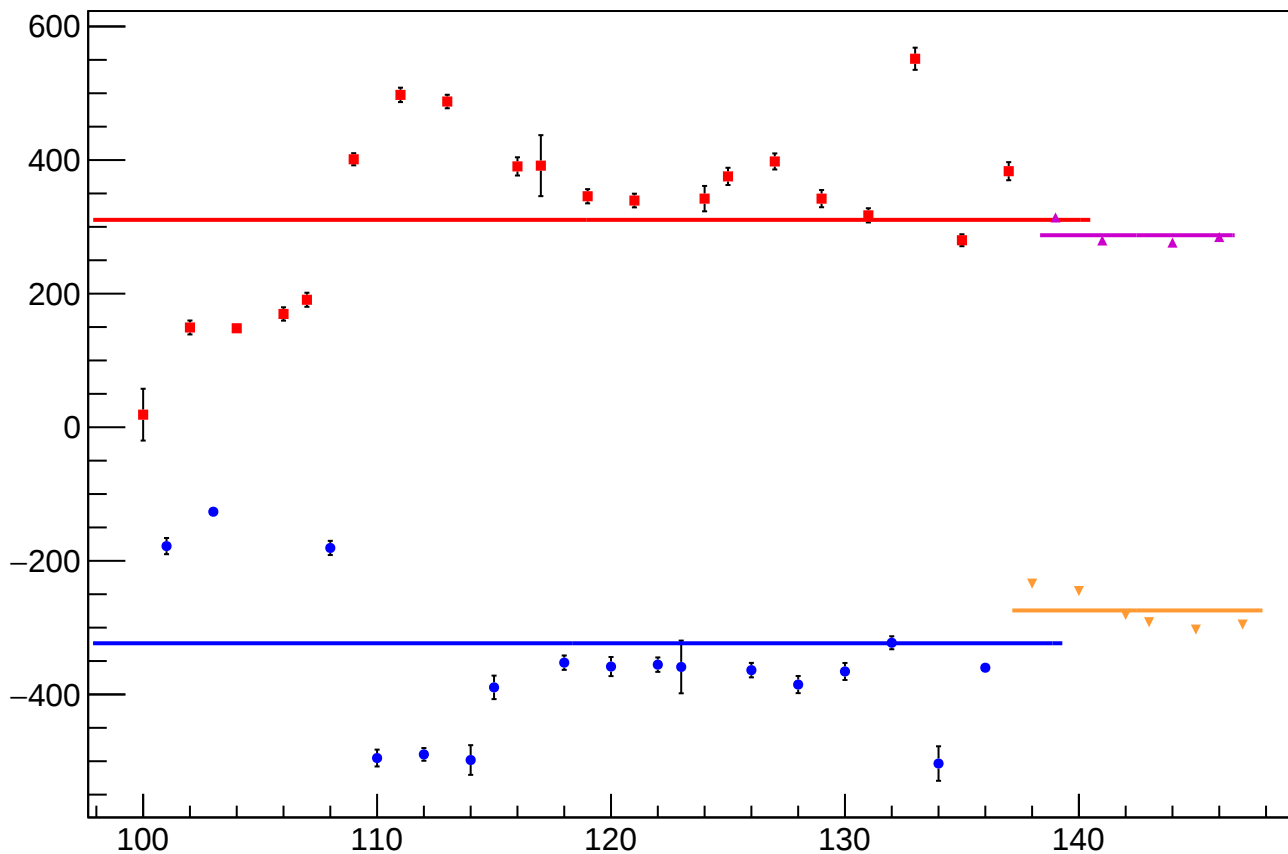
Left In: 0.092 ± 1.613 χ^2/NDF : 41.9/3

9.183 ± 0.963 χ^2/NDF : 662.8/22

1.332 ± 0.711 χ^2/NDF : 1331.6/46

-8.036 ± 1.052 χ^2/NDF : 523.1/23

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -274.272 ± 1.919 χ^2/NDF : 198.7/5

Right Out: 310.484 ± 2.520 χ^2/NDF : 2302.0/19

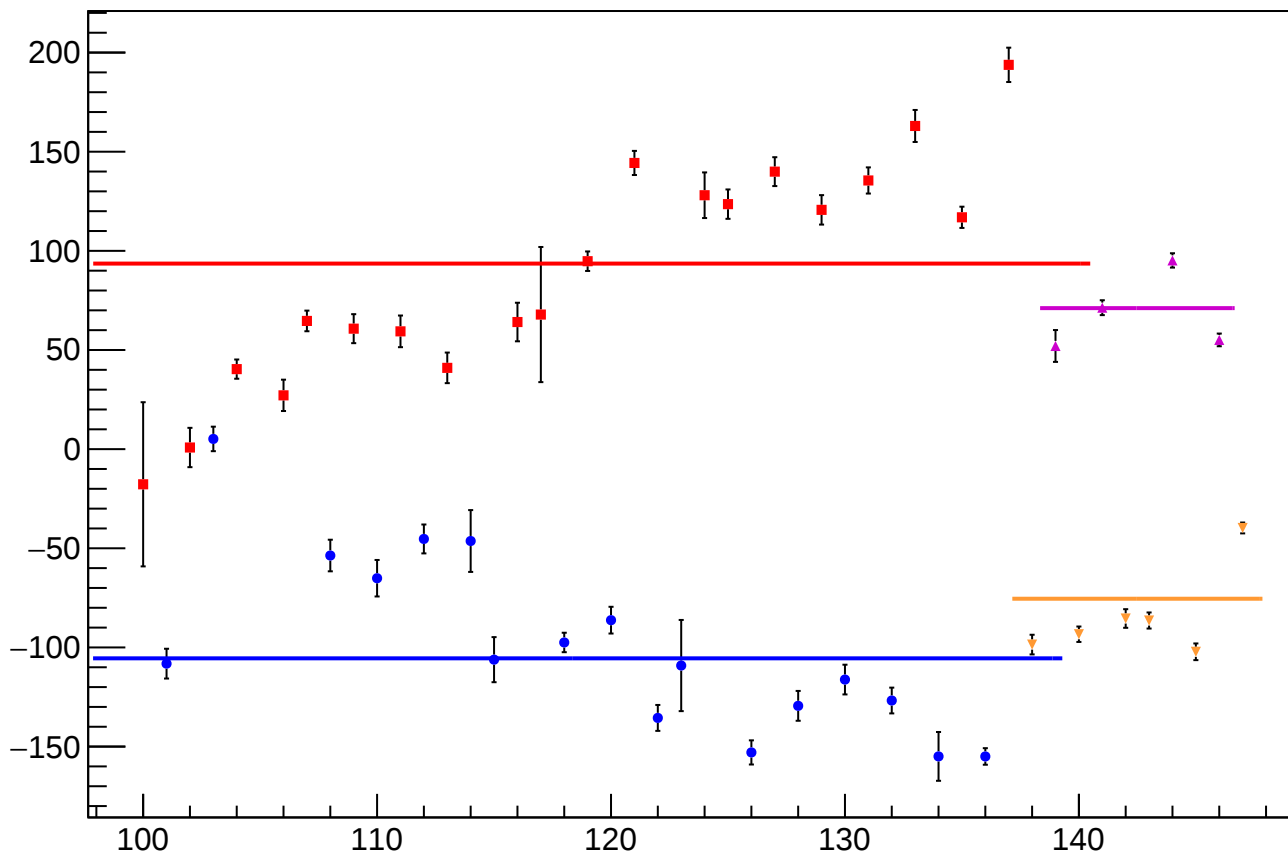
Left In: 287.459 ± 2.278 χ^2/NDF : 36.9/3

-290.888 ± 1.561 χ^2/NDF : 2270.1/22

-19.837 ± 1.147 χ^2/NDF : 70150.4/46

297.815 ± 1.690 χ^2/NDF : 2384.9/23

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -75.438 ± 1.575 χ^2/NDF : 265.3/5

Right Out: 93.579 ± 1.608 χ^2/NDF : 827.7/19

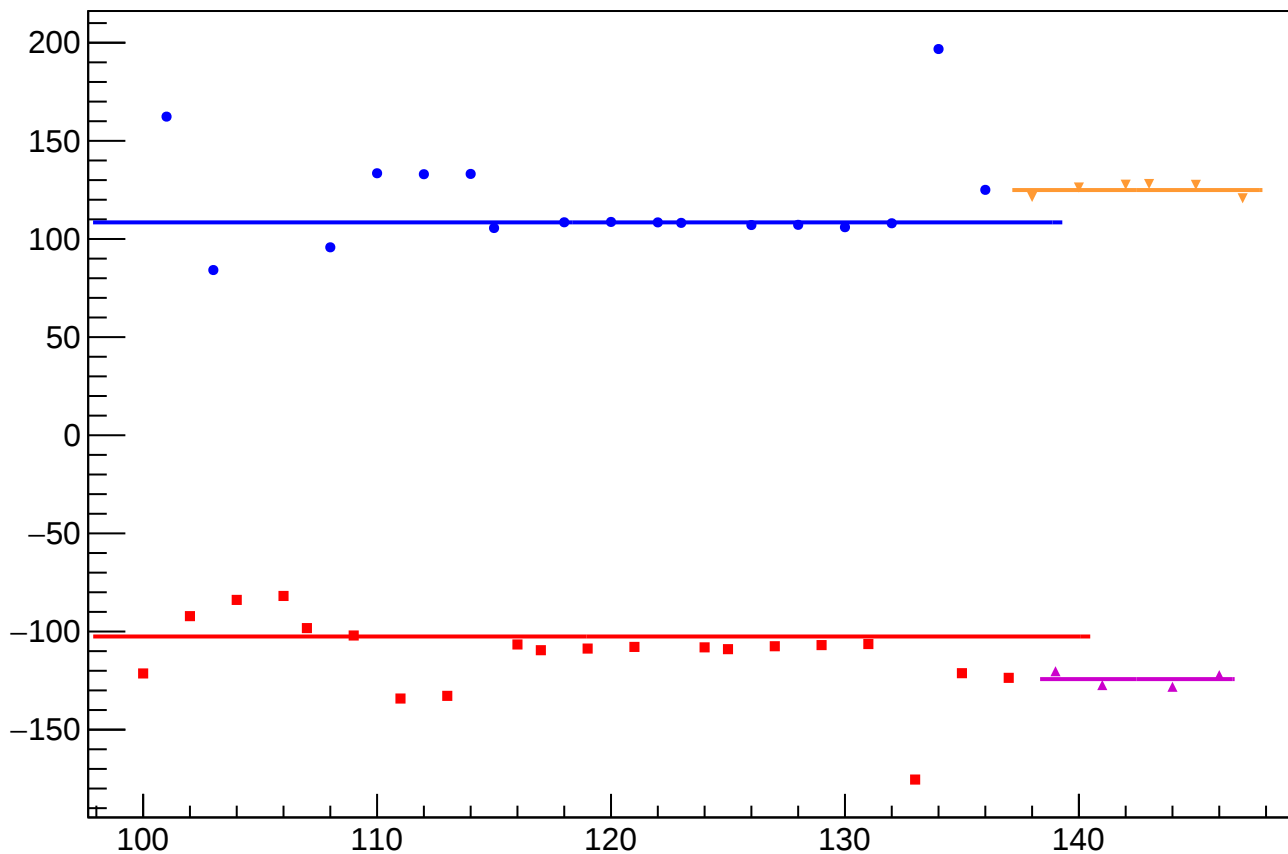
Left In: 71.113 ± 1.959 χ^2/NDF : 75.0/3

-89.217 ± 1.159 χ^2/NDF : 1169.6/22

-8.408 ± 0.848 χ^2/NDF : 12600.6/46

84.533 ± 1.243 χ^2/NDF : 981.2/23

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 χ^2/NDF : 73301.9/16

Left Out: 124.934 ± 0.081 χ^2/NDF : 1449.7/5

Right Out: -102.532 ± 0.079 χ^2/NDF : 53003.2/19

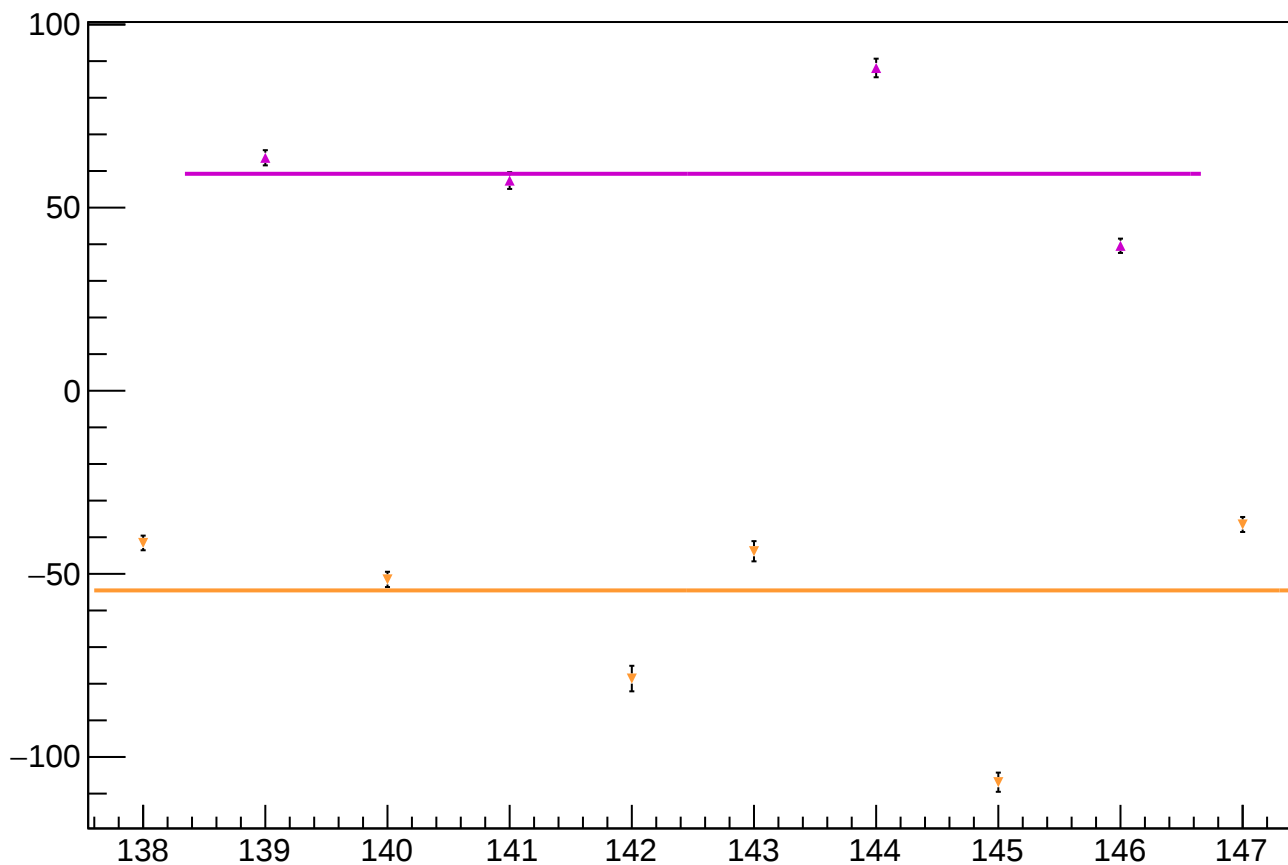
Left In: -124.242 ± 0.094 χ^2/NDF : 1268.7/3

117.125 ± 0.059 χ^2/NDF : 94508.8/22

6.984 ± 0.042 χ^2/NDF : 7534831.8/46

-111.576 ± 0.061 χ^2/NDF : 85347.1/23

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -54.520+/-0.964 χ^2/NDF : 583.6/5

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

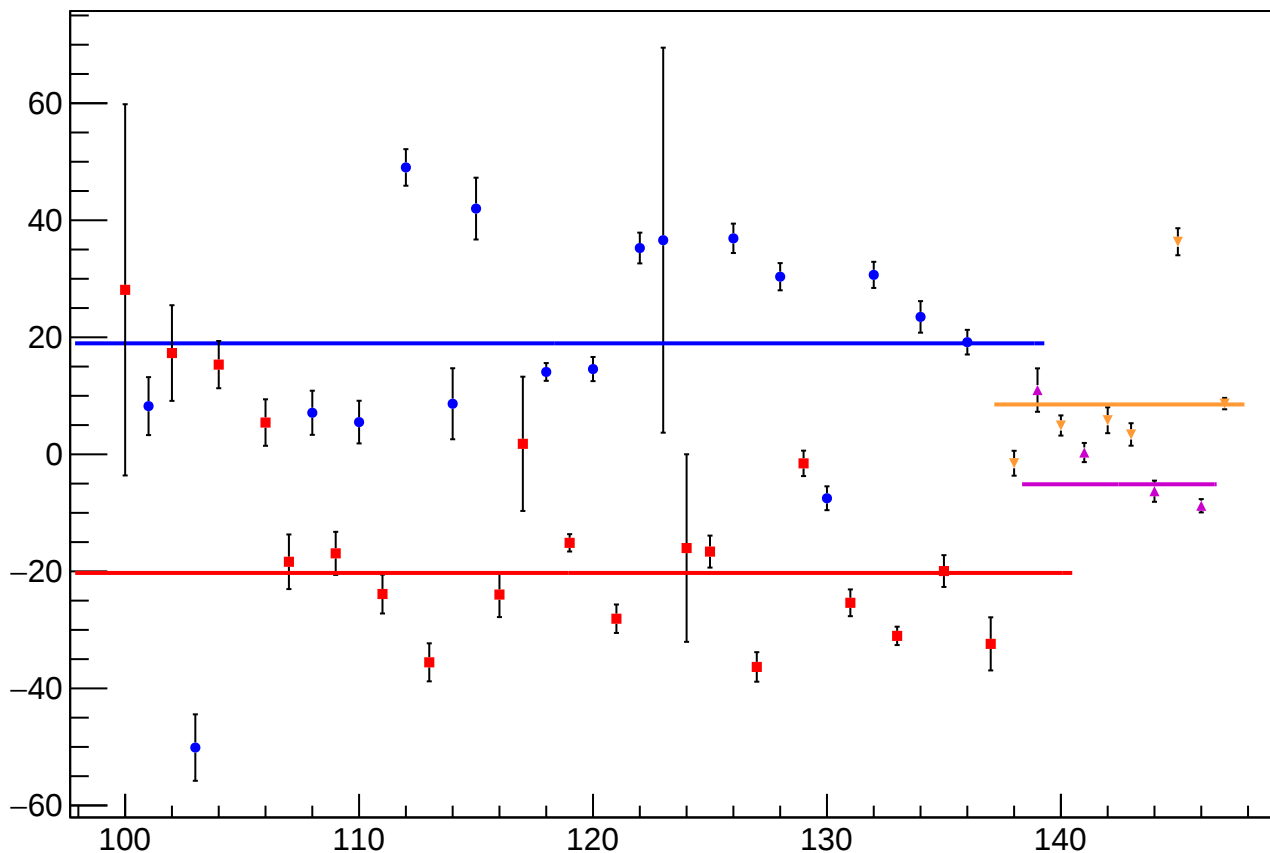
Left In: 59.237+/-1.091 χ^2/NDF : 235.9/3

-54.520+/-0.964 χ^2/NDF : 583.6/5

-4.654+/-0.722 χ^2/NDF : 6927.4/9

59.237+/-1.091 χ^2/NDF : 235.9/3

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.523 ± 0.663 χ^2/NDF : 180.0/5

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

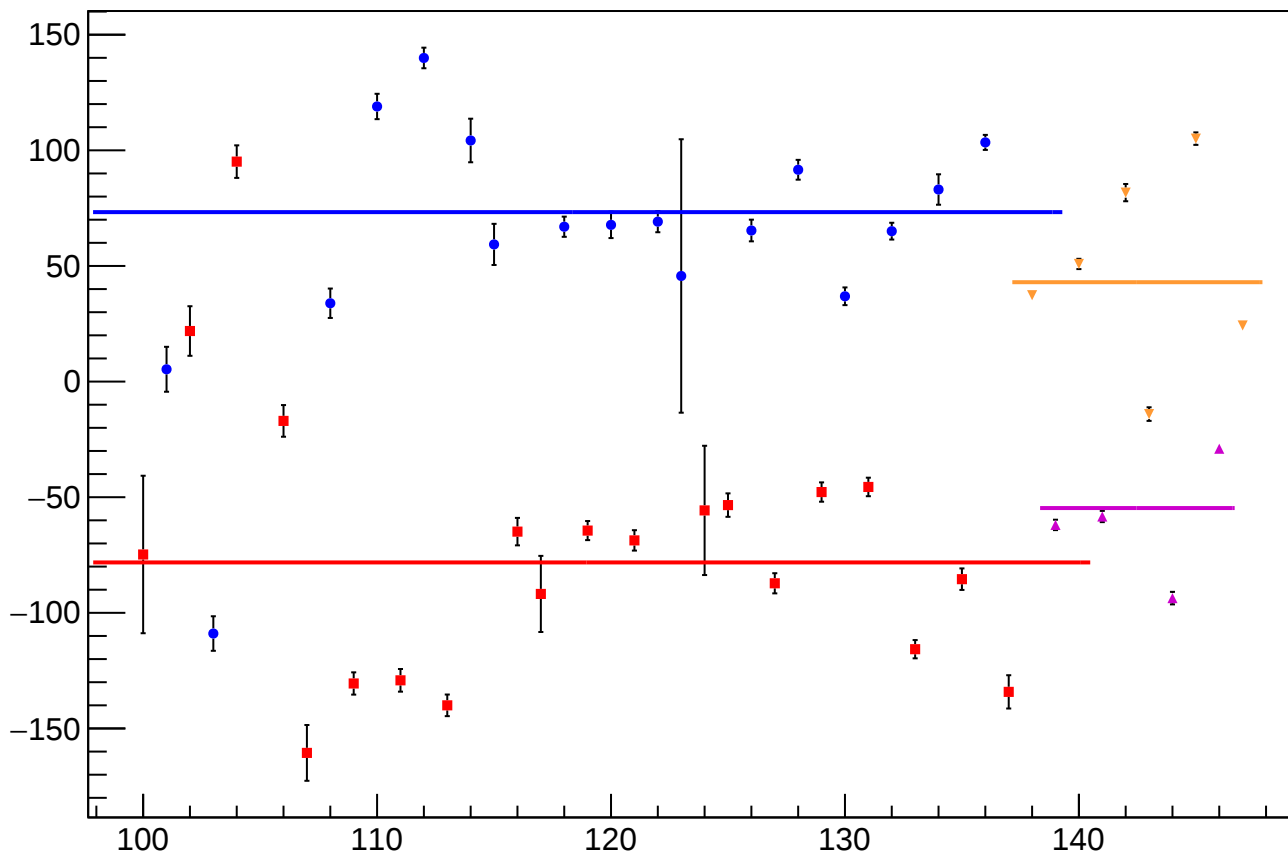
Left In: -5.118 ± 0.811 χ^2/NDF : 40.6/3

13.828 ± 0.465 χ^2/NDF : 924.4/22

0.790 ± 0.342 χ^2/NDF : 3252.0/46

-14.438 ± 0.503 χ^2/NDF : 625.6/23

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 $\pm$ 1.236 χ^2/NDF : 1198.6/16

Left Out: 42.976 $\pm$ 0.994 χ^2/NDF : 1125.0/5

Right Out: -78.205 $\pm$ 1.219 χ^2/NDF : 1544.0/19

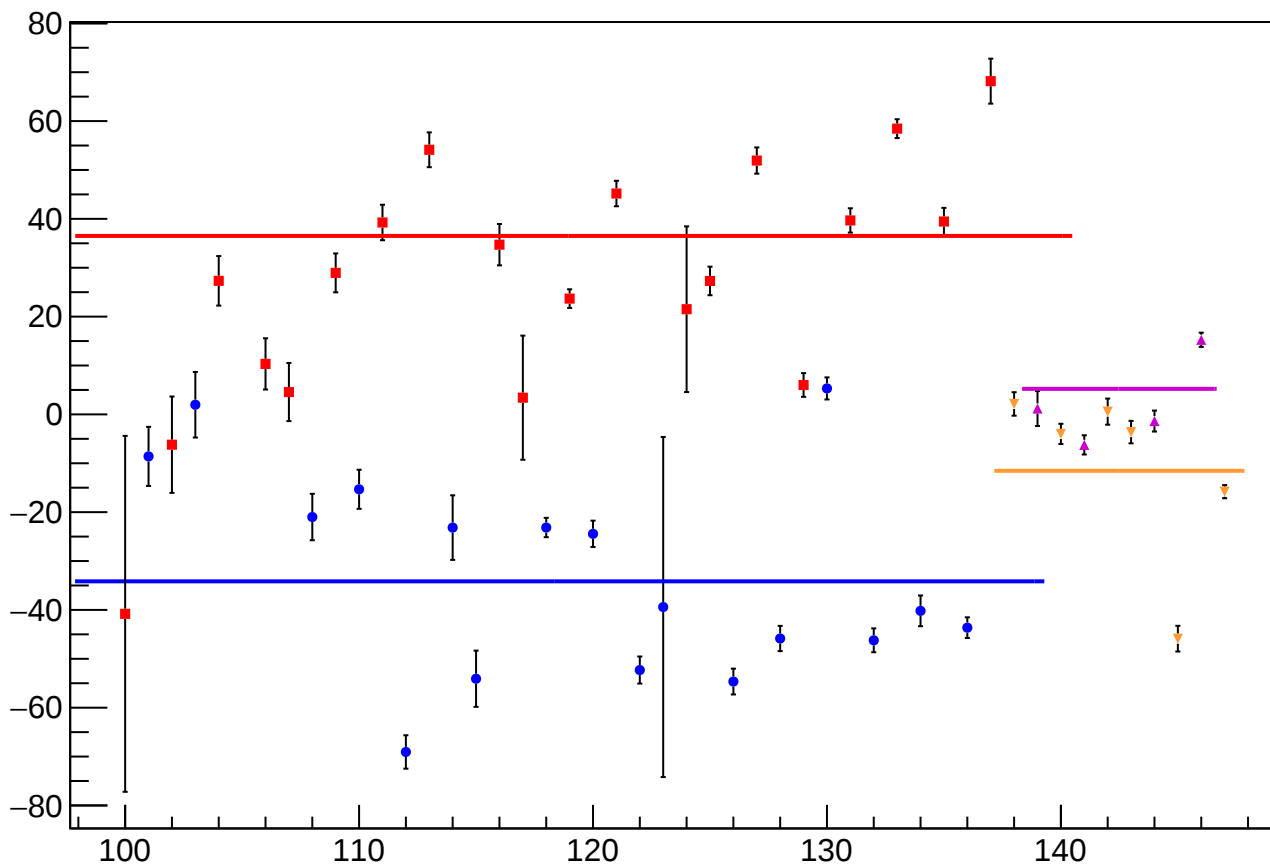
Left In: -54.692 $\pm$ 1.126 χ^2/NDF : 407.2/3

54.876 $\pm$ 0.775 χ^2/NDF : 2688.3/22

-1.393 $\pm$ 0.566 χ^2/NDF : 16122.9/46

-65.516 $\pm$ 0.827 χ^2/NDF : 2151.9/23

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -11.543 ± 0.834 χ^2/NDF : 258.7/5

Right Out: 36.507 ± 0.735 χ^2/NDF : 553.8/19

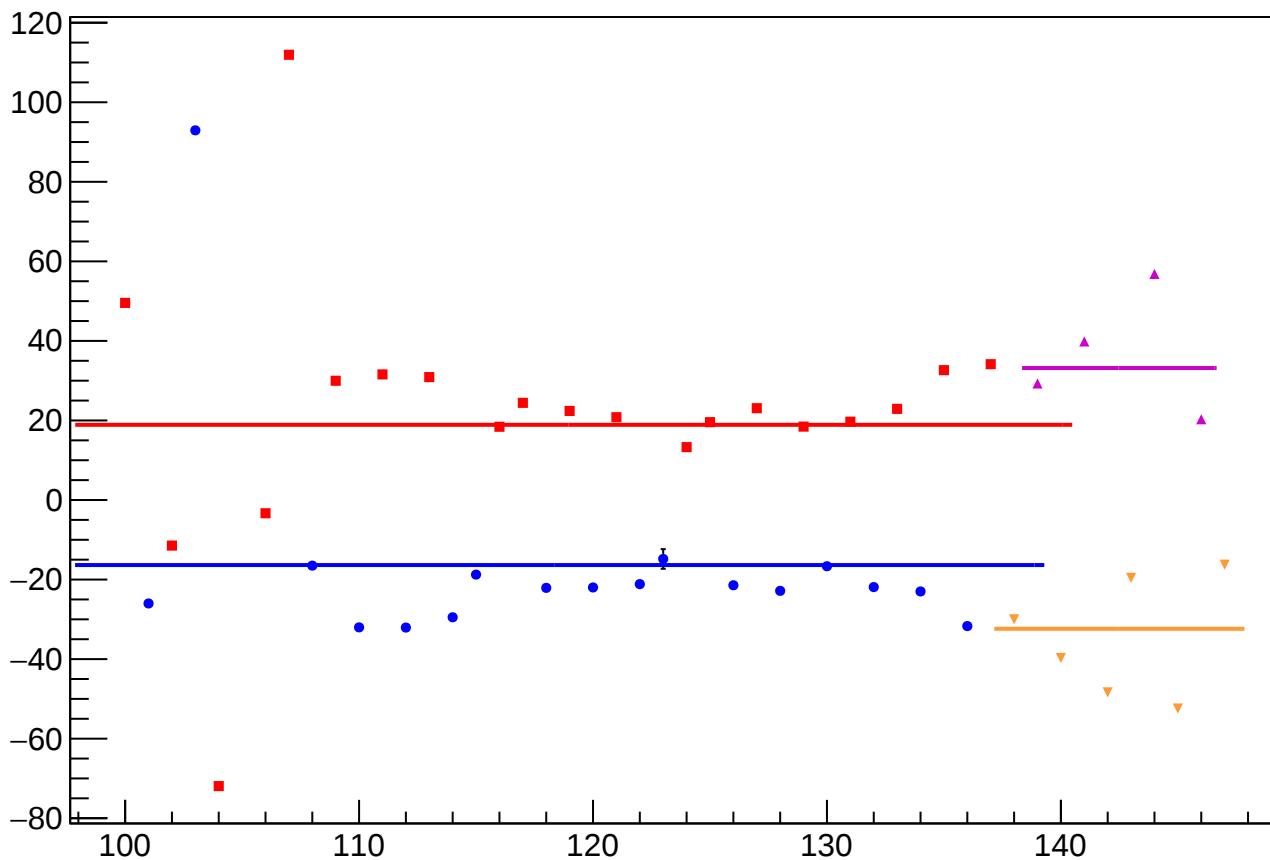
Left In: 5.223 ± 0.988 χ^2/NDF : 92.0/3

-24.123 ± 0.556 χ^2/NDF : 1384.9/22

-0.839 ± 0.404 χ^2/NDF : 6409.9/46

25.371 ± 0.589 χ^2/NDF : 1291.5/23

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 χ^2/NDF : 474192.3/16

Left Out: -32.371 ± 0.042 χ^2/NDF : 96876.8/5

Right Out: 18.906 ± 0.045 χ^2/NDF : 433847.1/19

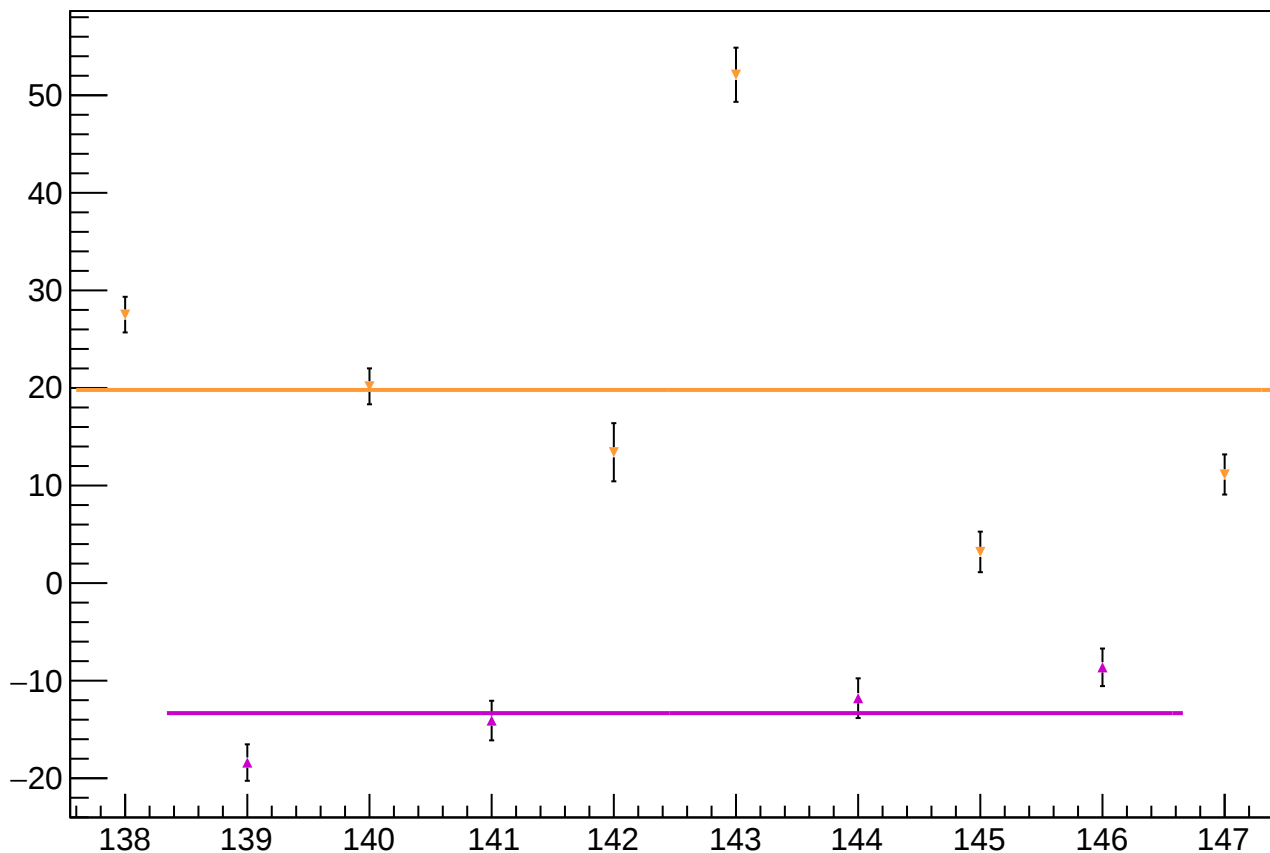
Left In: 33.186 ± 0.046 χ^2/NDF : 68945.2/3

-24.898 ± 0.030 χ^2/NDF : 639792.6/22

-0.944 ± 0.022 χ^2/NDF : 2500549.7/46

25.907 ± 0.032 χ^2/NDF : 551695.3/23

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 19.801+/-0.875 χ^2/NDF : 239.4/5

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

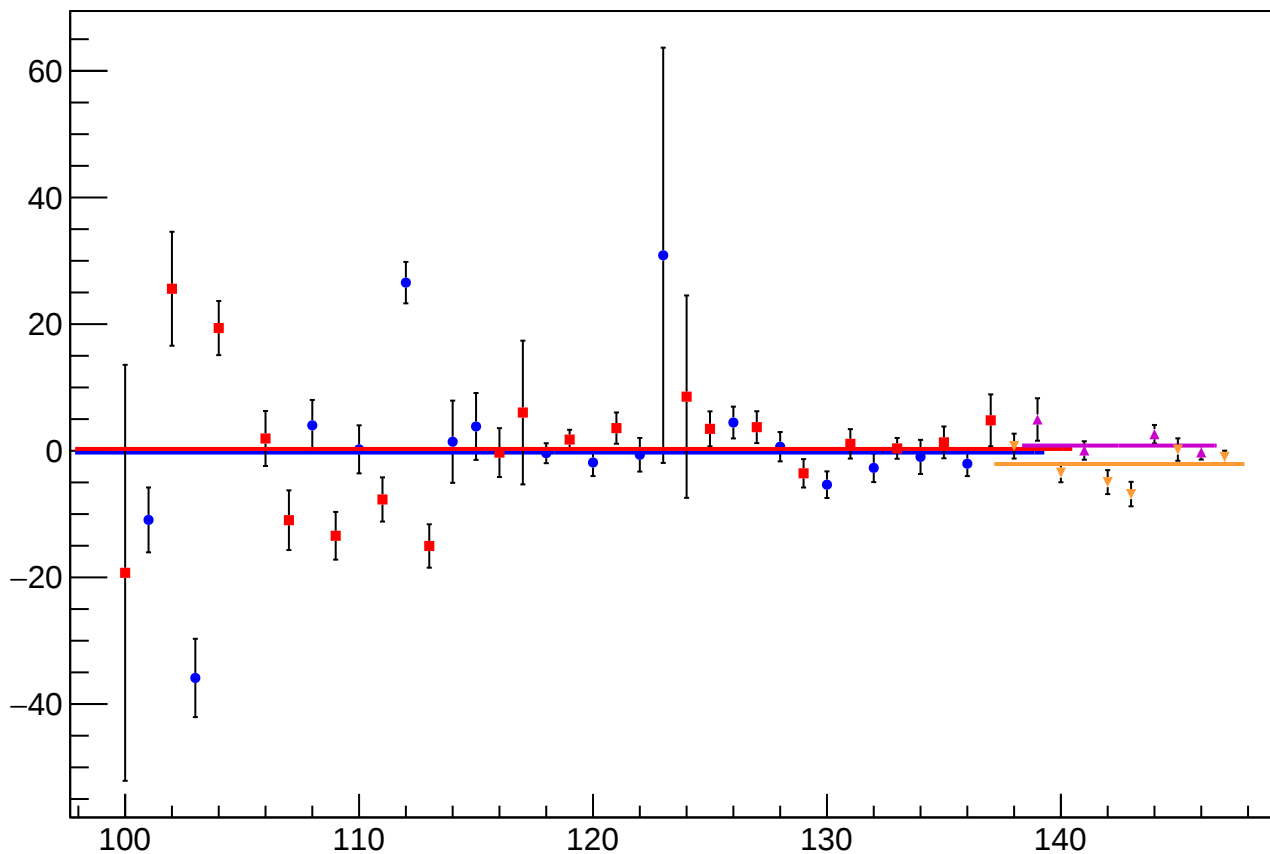
Left In: -13.325+/-0.980 χ^2/NDF : 14.0/3

19.801+/-0.875 χ^2/NDF : 239.4/5

5.106+/-0.653 χ^2/NDF : 888.6/9

-13.325+/-0.980 χ^2/NDF : 14.0/3

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -2.096 ± 0.620 χ^2/NDF : 14.2/5

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

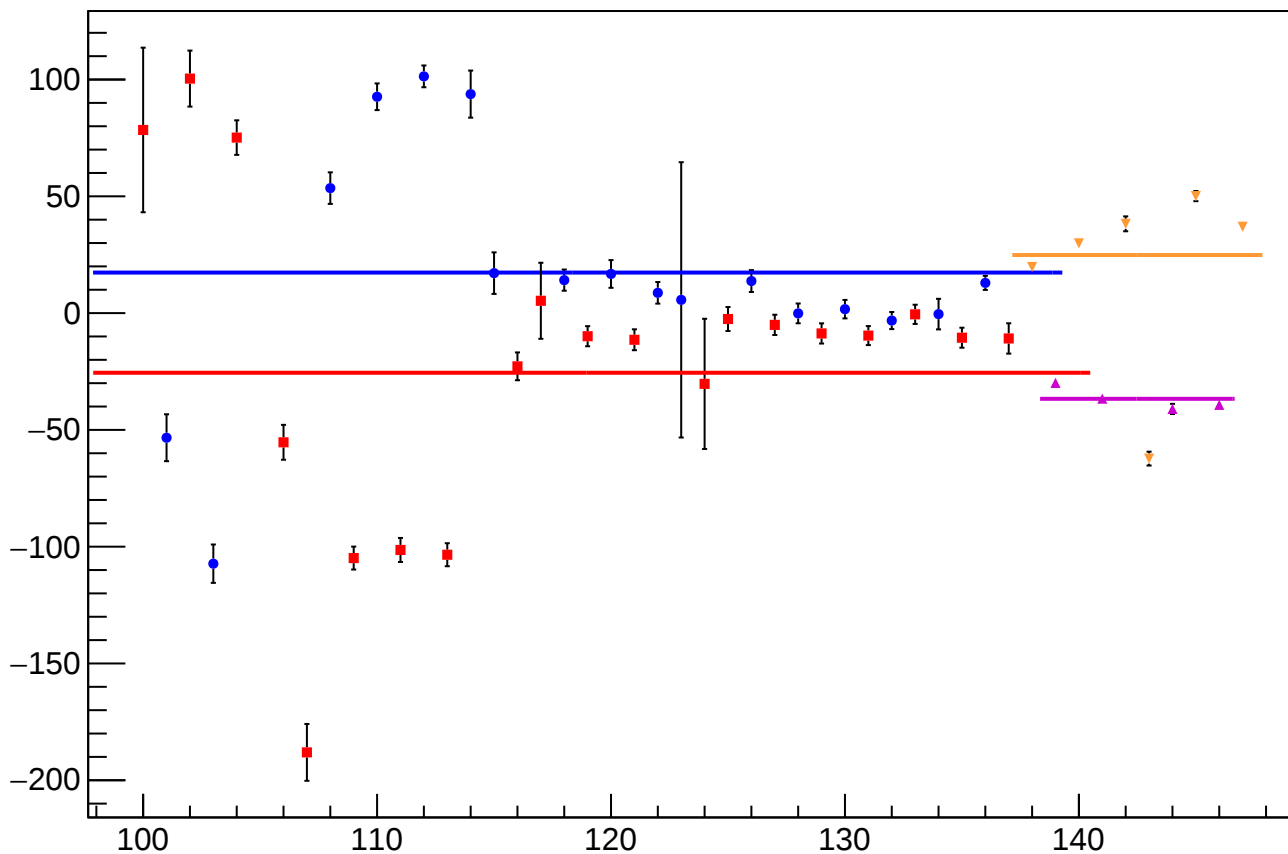
Left In: 0.820 ± 0.743 χ^2/NDF : 4.2/3

-1.248 ± 0.453 χ^2/NDF : 137.7/22

-0.436 ± 0.333 χ^2/NDF : 232.7/46

0.522 ± 0.491 χ^2/NDF : 88.0/23

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 24.866+/-0.910 χ^2/NDF : 1069.1/5

Right Out: -25.537+/-1.239 χ^2/NDF : 1382.4/19

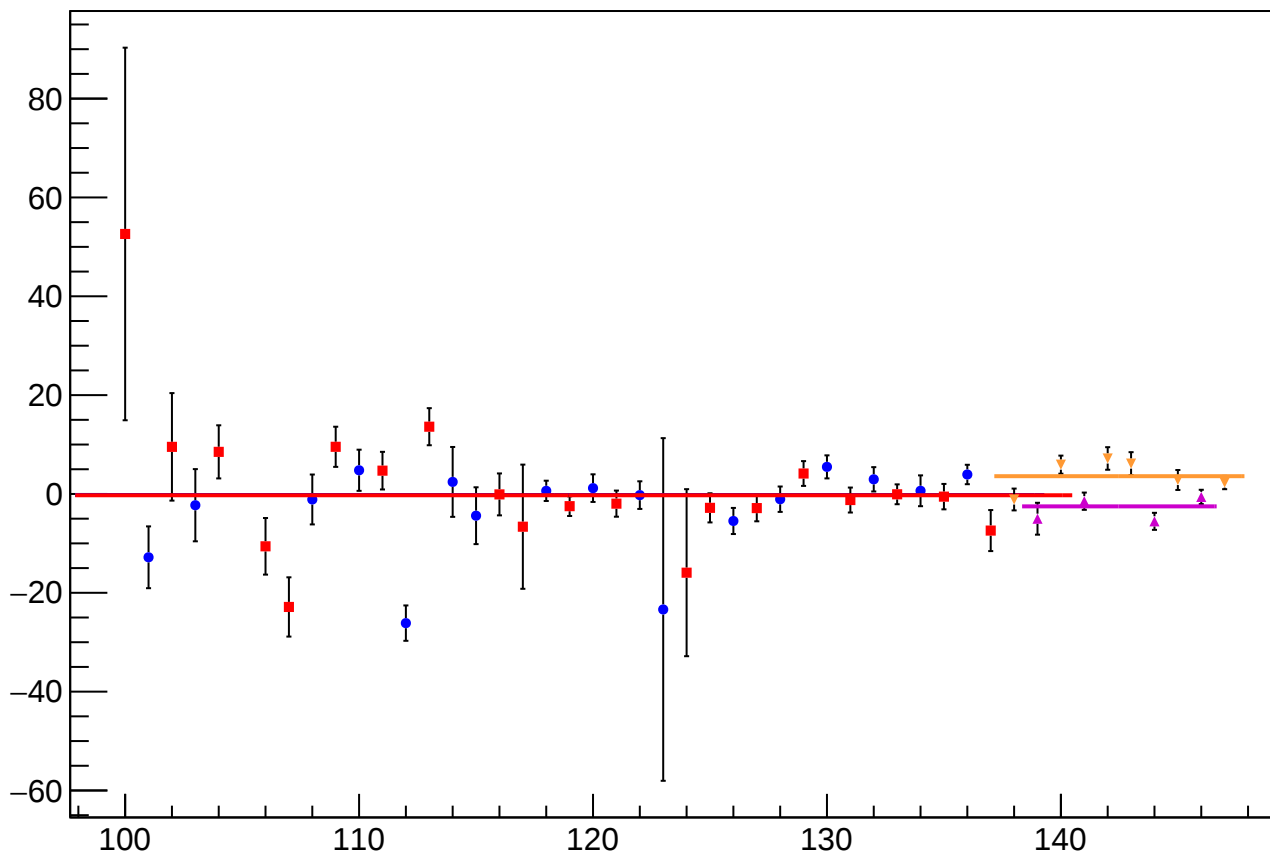
Left In: -36.691+/-1.018 χ^2/NDF : 17.3/3

22.260+/-0.735 χ^2/NDF : 2035.8/22

-3.109+/-0.537 χ^2/NDF : 6042.4/46

-32.195+/-0.787 χ^2/NDF : 1448.1/23

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 3.595 ± 0.771 χ^2/NDF : 10.9/5

Right Out: -0.262 ± 0.747 χ^2/NDF : 54.8/19

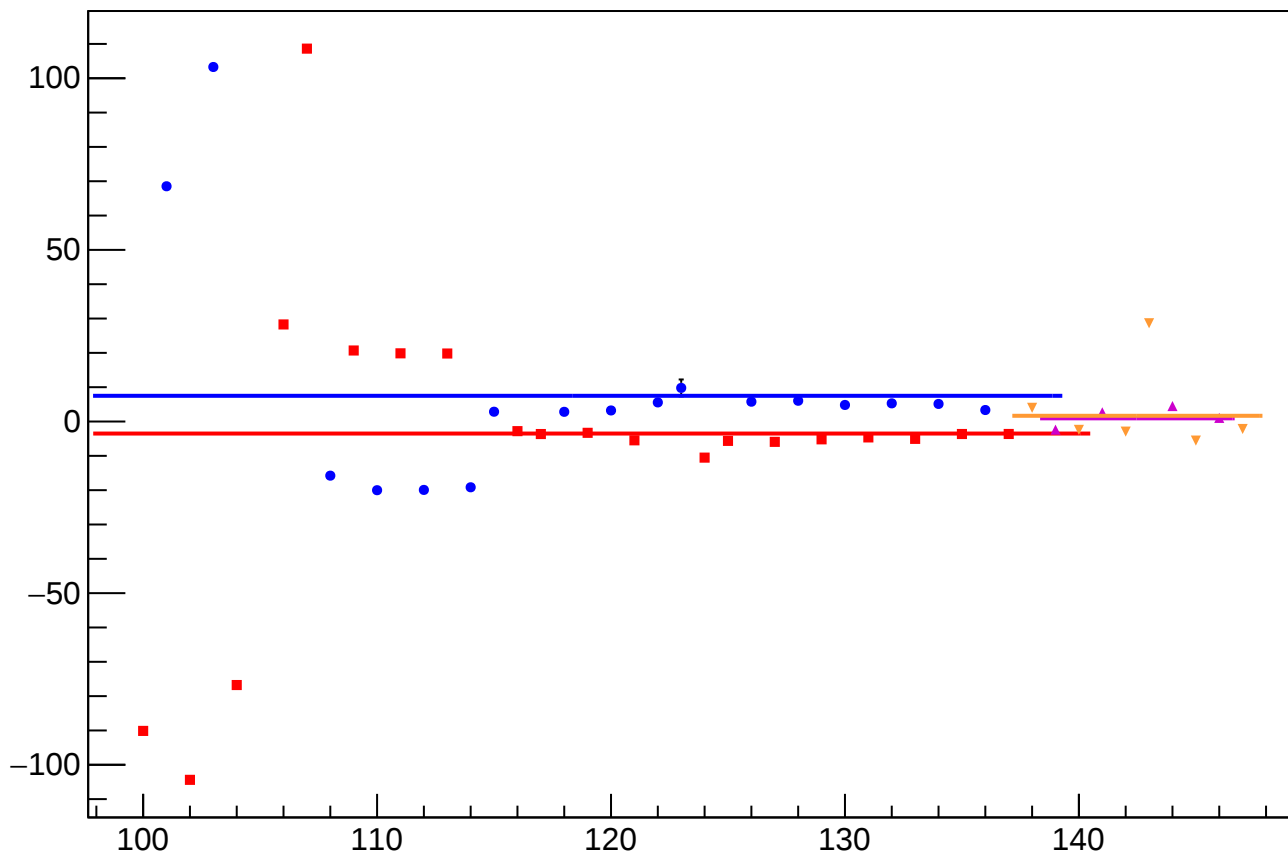
Left In: -2.511 ± 0.898 χ^2/NDF : 5.8/3

1.644 ± 0.538 χ^2/NDF : 99.3/22

0.323 ± 0.393 χ^2/NDF : 176.5/46

-1.182 ± 0.574 χ^2/NDF : 64.3/23

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: 1.670 ± 0.038 $\chi^2/\text{NDF}: 65118.9/5$

Right Out: -3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.5/19$

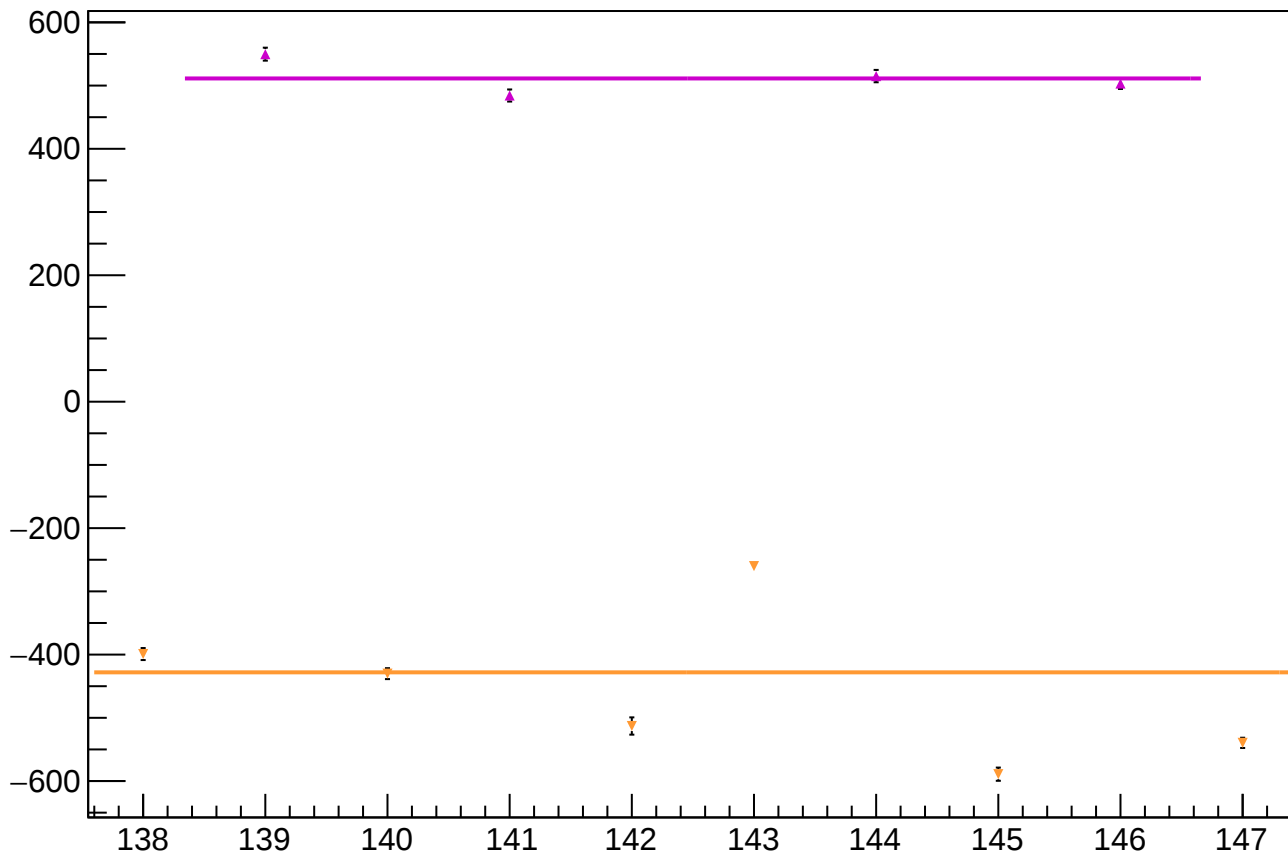
Left In: 0.926 ± 0.042 $\chi^2/\text{NDF}: 3969.2/3$

4.105 ± 0.029 $\chi^2/\text{NDF}: 430995.9/22$

1.669 ± 0.021 $\chi^2/\text{NDF}: 965889.8/46$

-1.088 ± 0.031 $\chi^2/\text{NDF}: 519710.9/23$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -428.077+/-3.679 χ^2/NDF : 1032.6/5

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

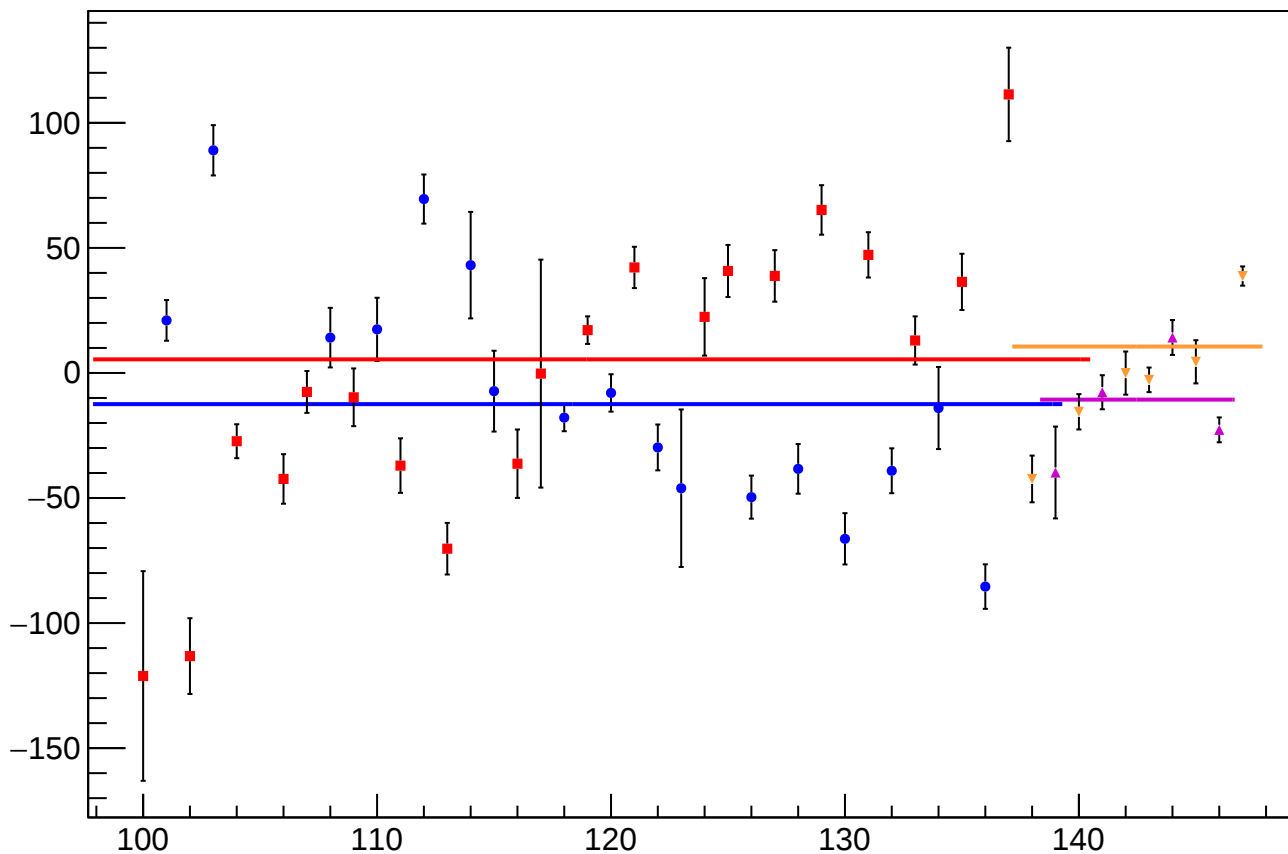
Left In: 511.264+/-4.743 χ^2/NDF : 23.0/3

-428.077+/-3.679 χ^2/NDF : 1032.6/5

-75.230+/-2.907 χ^2/NDF : 25548.1/9

511.264+/-4.743 χ^2/NDF : 23.0/3

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 10.568 ± 2.445 χ^2/NDF : 108.8/5

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

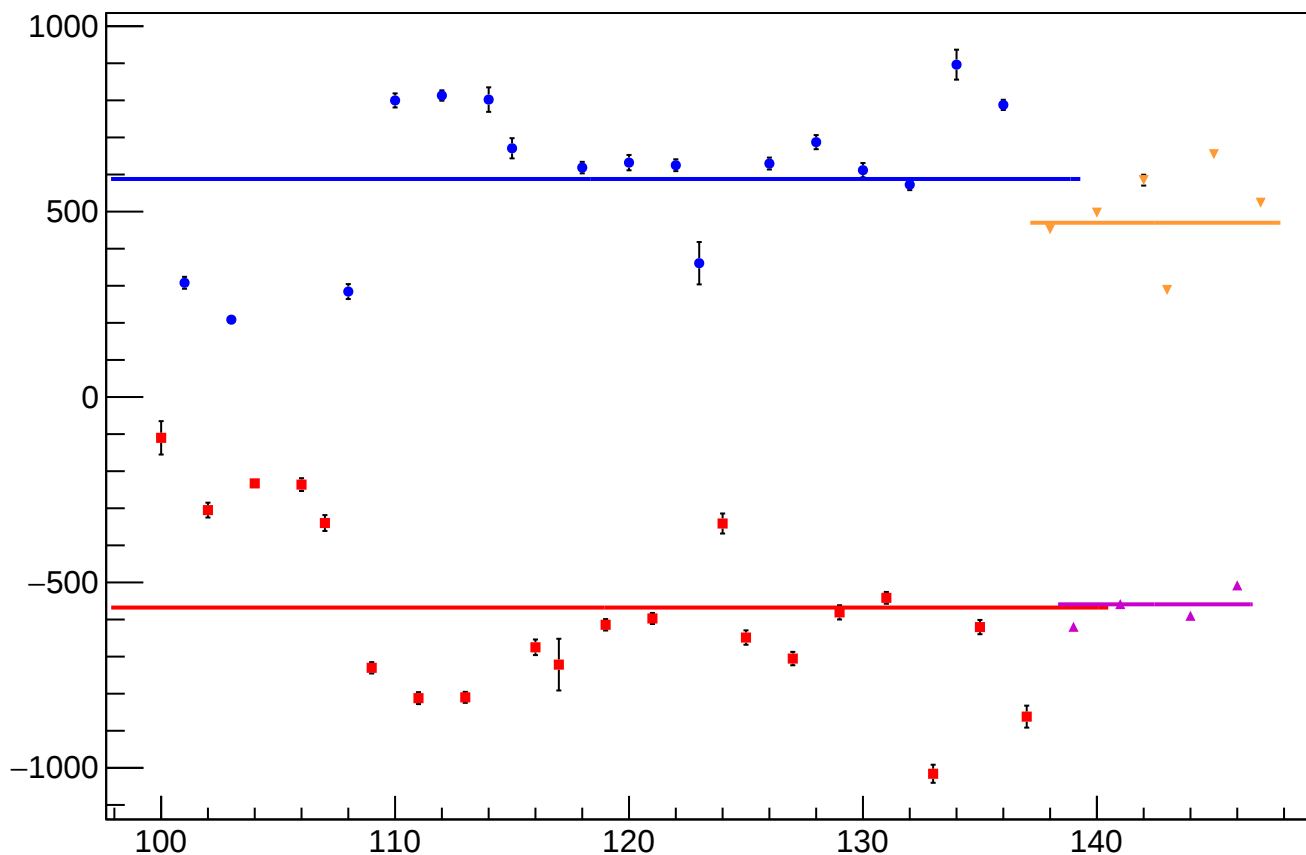
Left In: -10.660 ± 3.420 χ^2/NDF : 21.3/3

-1.407 ± 1.694 χ^2/NDF : 496.0/22

-0.528 ± 1.259 χ^2/NDF : 878.3/46

0.558 ± 1.883 χ^2/NDF : 381.7/23

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 470.018 ± 3.810 χ^2/NDF : 975.9/5

Right Out: -567.720 ± 4.129 χ^2/NDF : 2788.1/19

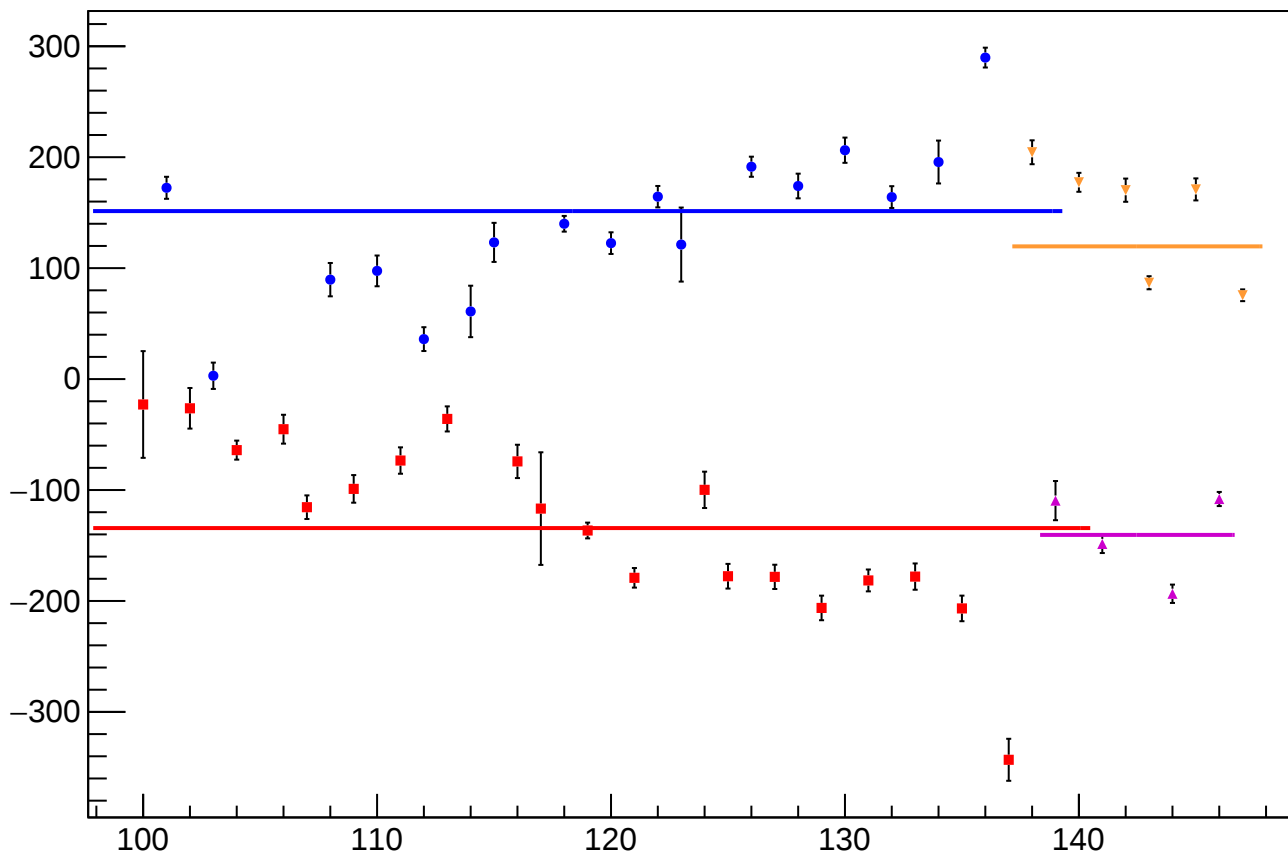
Left In: -559.044 ± 4.893 χ^2/NDF : 77.2/3

521.195 ± 2.867 χ^2/NDF : 3521.4/22

30.432 ± 2.122 χ^2/NDF : 71196.4/46

-564.112 ± 3.155 χ^2/NDF : 2867.1/23

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2/NDF : 633.3/16

Left Out: 119.610 $\pm$ 3.073 χ^2/NDF :257.9/5

Right Out: -134.299 $\pm$ 2.612 χ^2/NDF : 585.0/19

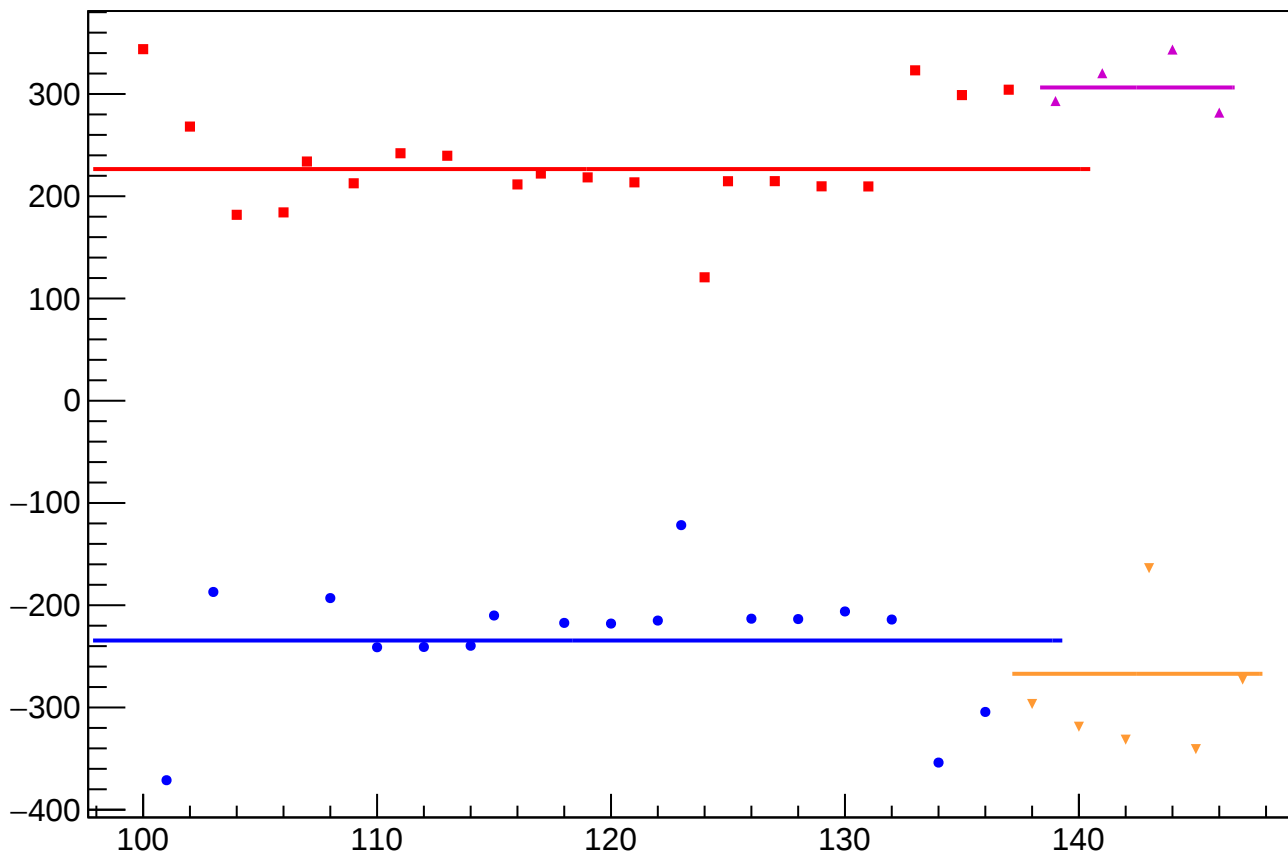
Left In: -140.457 $\pm$ 4.177 χ^2/NDF :71.0/3

137.509 $\pm$ 2.032 χ^2/NDF : 951.5/22

12.473 $\pm$ 1.497 χ^2/NDF : 9891.2/46

-136.030 $\pm$ 2.215 χ^2/NDF : 657.6/23

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 ± 0.149 χ^2/NDF : 145046.5/16

Left Out: -267.052 ± 0.160 χ^2/NDF : 177754.5/5

Right Out: 226.572 ± 0.141 χ^2/NDF : 98970.7/19

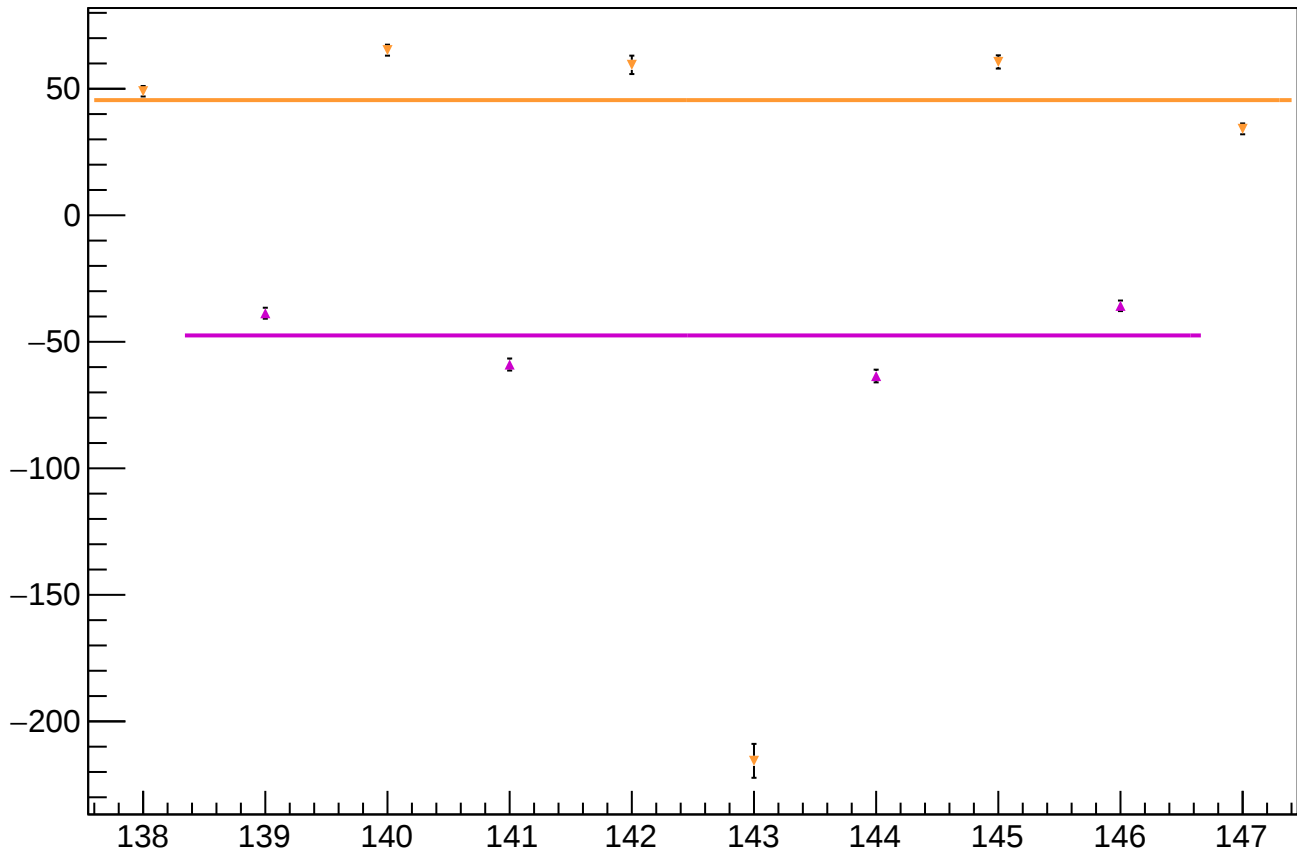
Left In: 306.379 ± 0.203 χ^2/NDF : 13098.3/3

-249.590 ± 0.109 χ^2/NDF : 344916.0/22

-13.741 ± 0.079 χ^2/NDF : 10501398.0/46

252.578 ± 0.116 χ^2/NDF : 216062.7/23

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 45.514+/-1.050 χ^2/NDF : 1680.4/5

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

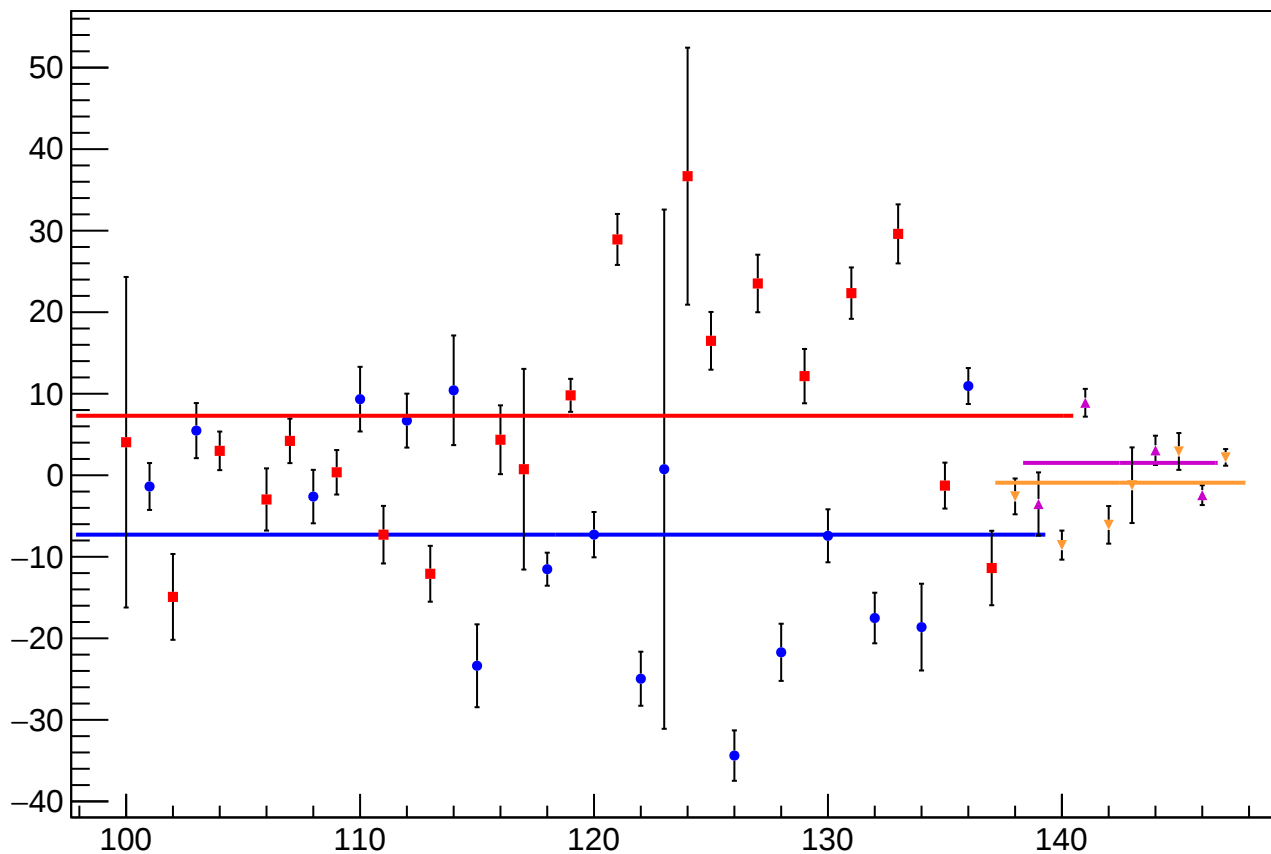
Left In: -47.481+/-1.134 χ^2/NDF : 112.0/3

45.514+/-1.050 χ^2/NDF : 1680.4/5

2.568+/-0.770 χ^2/NDF : 5413.9/9

-47.481+/-1.134 χ^2/NDF : 112.0/3

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284+/-0.789 χ^2/NDF : 283.2/16

Left Out: -0.914+/-0.723 χ^2/NDF : 36.2/5

Right Out: 7.298+/-0.759 χ^2/NDF : 255.6/19

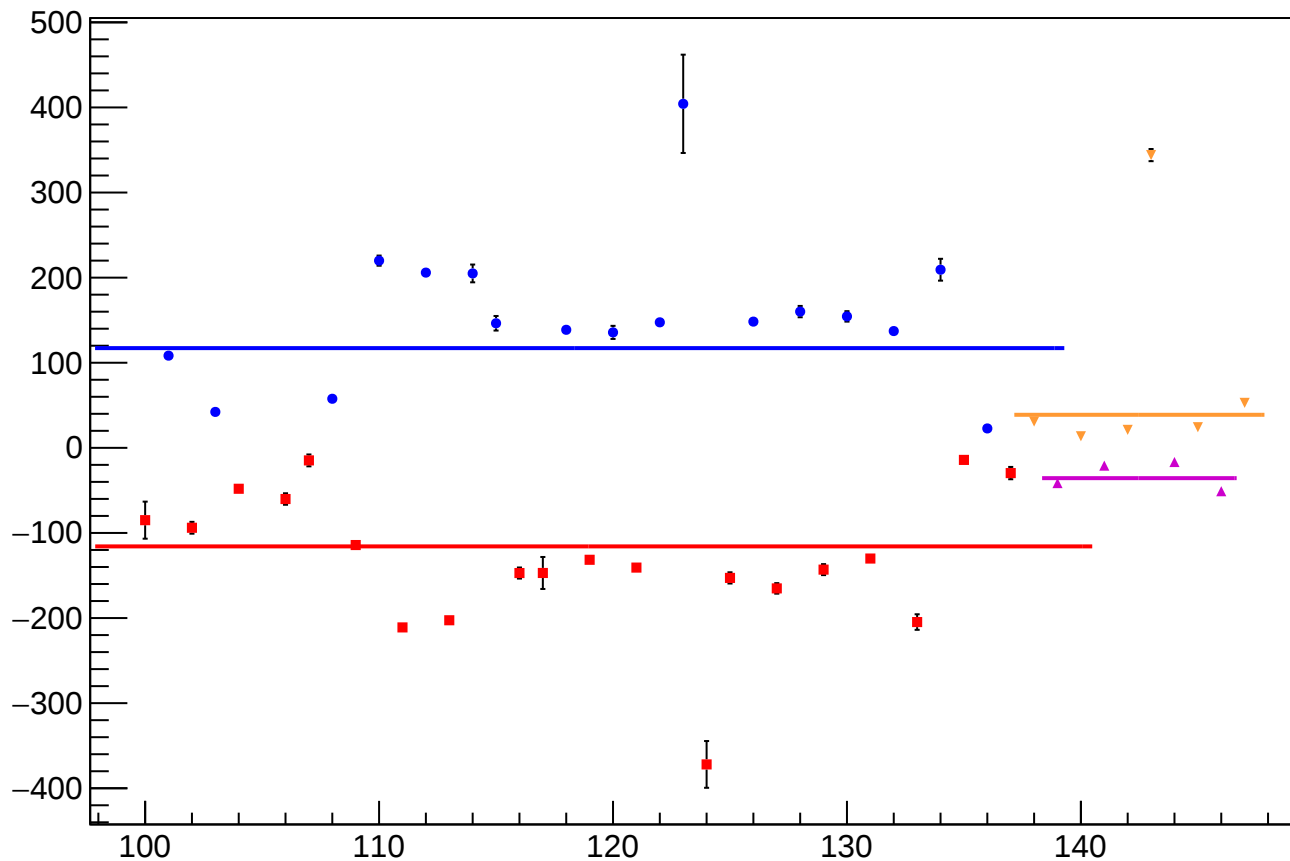
Left In: 1.520+/-0.846 χ^2/NDF : 31.7/3

-3.823+/-0.533 χ^2/NDF : 354.9/22

0.198+/-0.388 χ^2/NDF : 789.0/46

4.720+/-0.565 χ^2/NDF : 313.1/23

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 ± 1.416 $\chi^2/\text{NDF}: 2161.0/16$

Left Out: 38.842 ± 1.082 $\chi^2/\text{NDF}: 2051.2/5$

Right Out: -115.795 ± 1.357 $\chi^2/\text{NDF}: 2140.4/19$

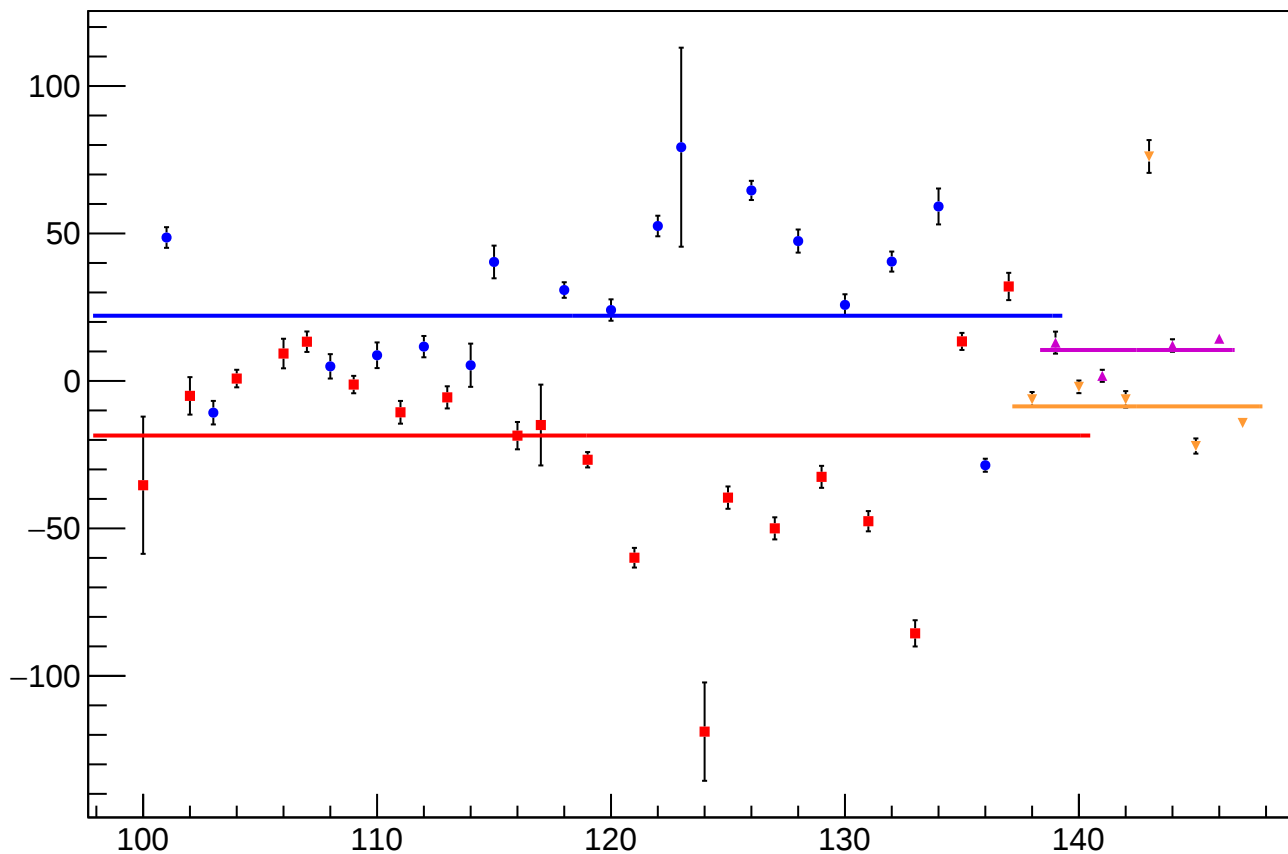
Left In: -35.610 ± 1.172 $\chi^2/\text{NDF}: 149.1/3$

67.701 ± 0.860 $\chi^2/\text{NDF}: 6144.9/22$

1.095 ± 0.617 $\chi^2/\text{NDF}: 22832.9/46$

-69.869 ± 0.887 $\chi^2/\text{NDF}: 4288.0/23$

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 ± 0.898 χ^2/NDF : 1070.3/16

Left Out: -8.625 ± 0.913 χ^2/NDF : 286.5/5

Right Out: -18.506 ± 0.869 χ^2/NDF : 1068.6/19

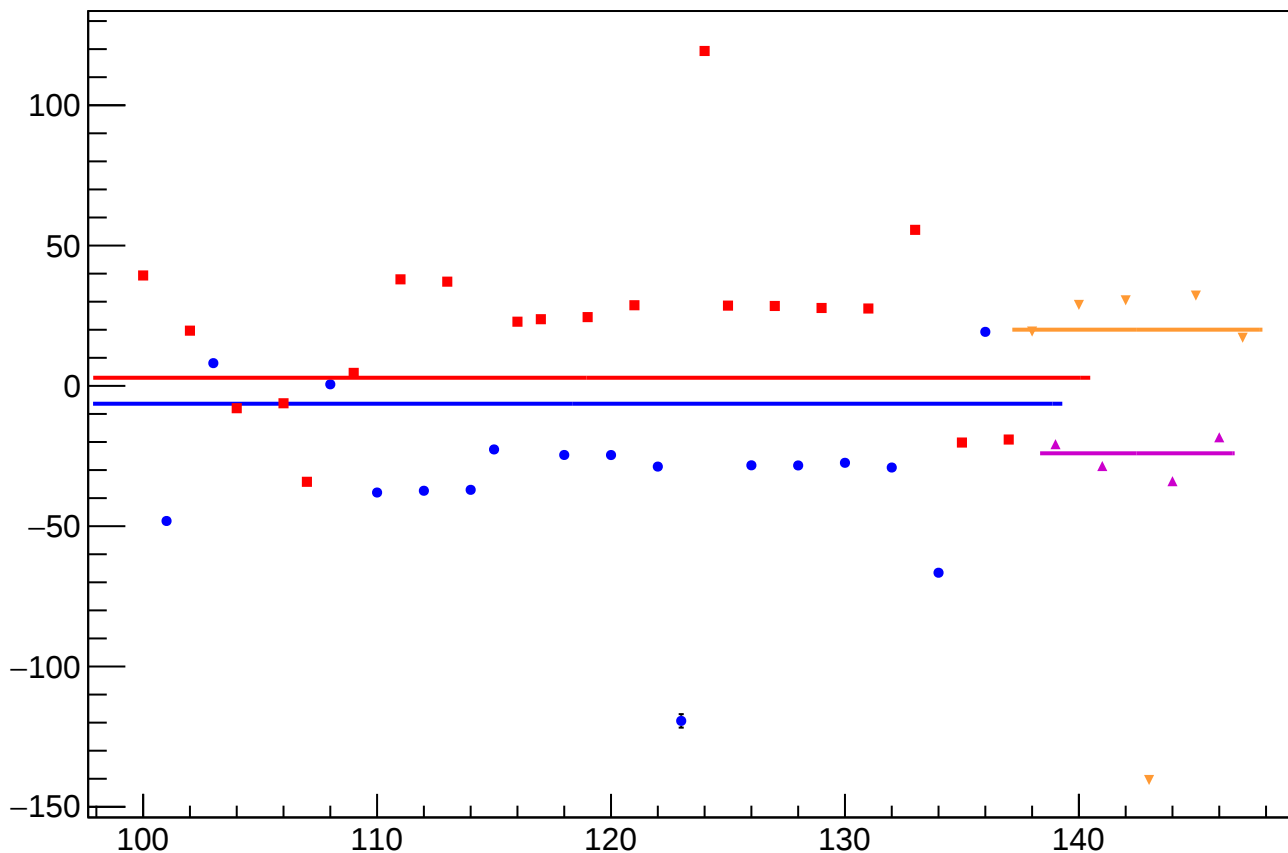
Left In: 10.495 ± 1.029 χ^2/NDF : 25.3/3

6.996 ± 0.640 χ^2/NDF : 1932.6/22

0.528 ± 0.461 χ^2/NDF : 3701.7/46

-6.431 ± 0.664 χ^2/NDF : 1557.3/23

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 20.029 ± 0.046 $\chi^2/\text{NDF}: 338880.0/5$

Right Out: 2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

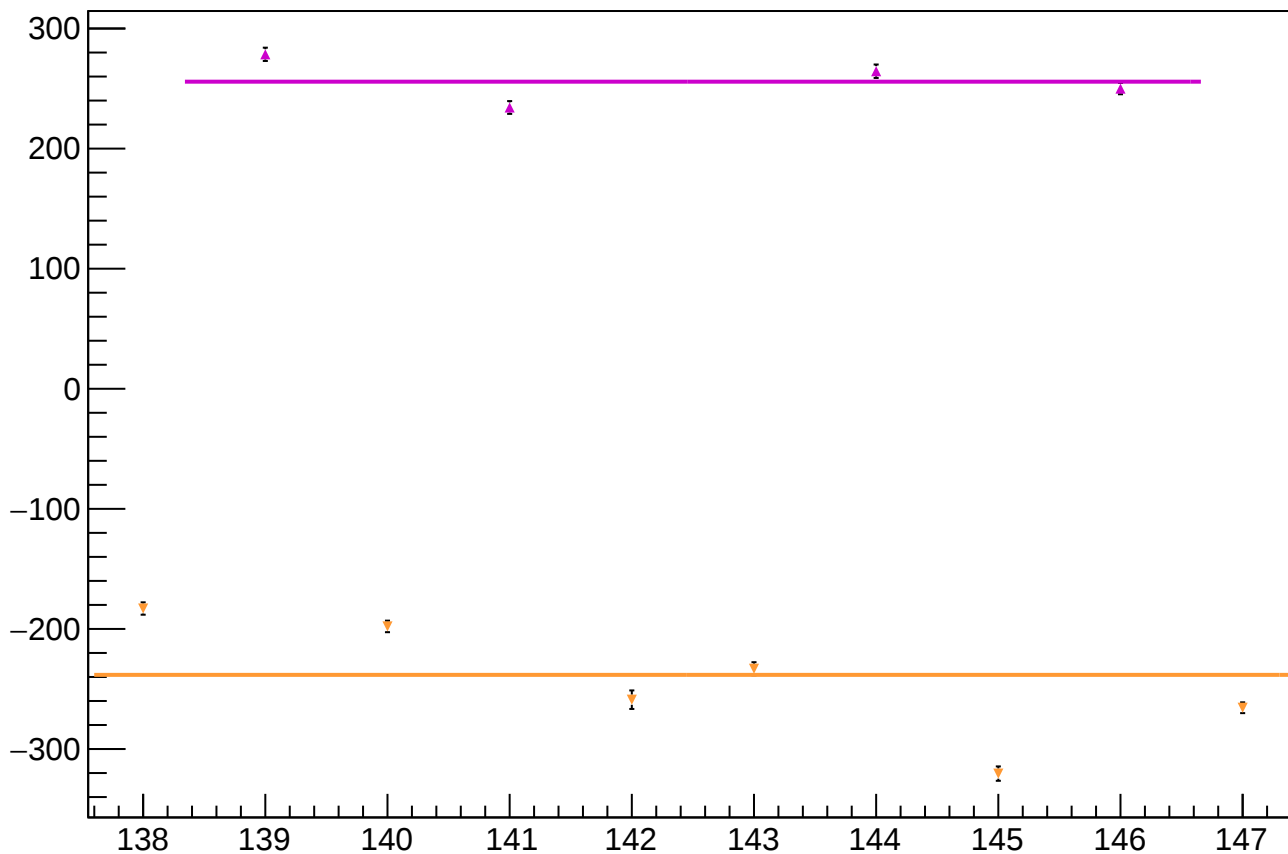
Left In: -24.027 ± 0.048 $\chi^2/\text{NDF}: 14515.5/3$

7.063 ± 0.032 $\chi^2/\text{NDF}: 768775.1/22$

-1.260 ± 0.023 $\chi^2/\text{NDF}: 1348653.9/46$

-9.906 ± 0.033 $\chi^2/\text{NDF}: 445847.8/23$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -238.248+/-2.190 χ^2/NDF : 418.7/5

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

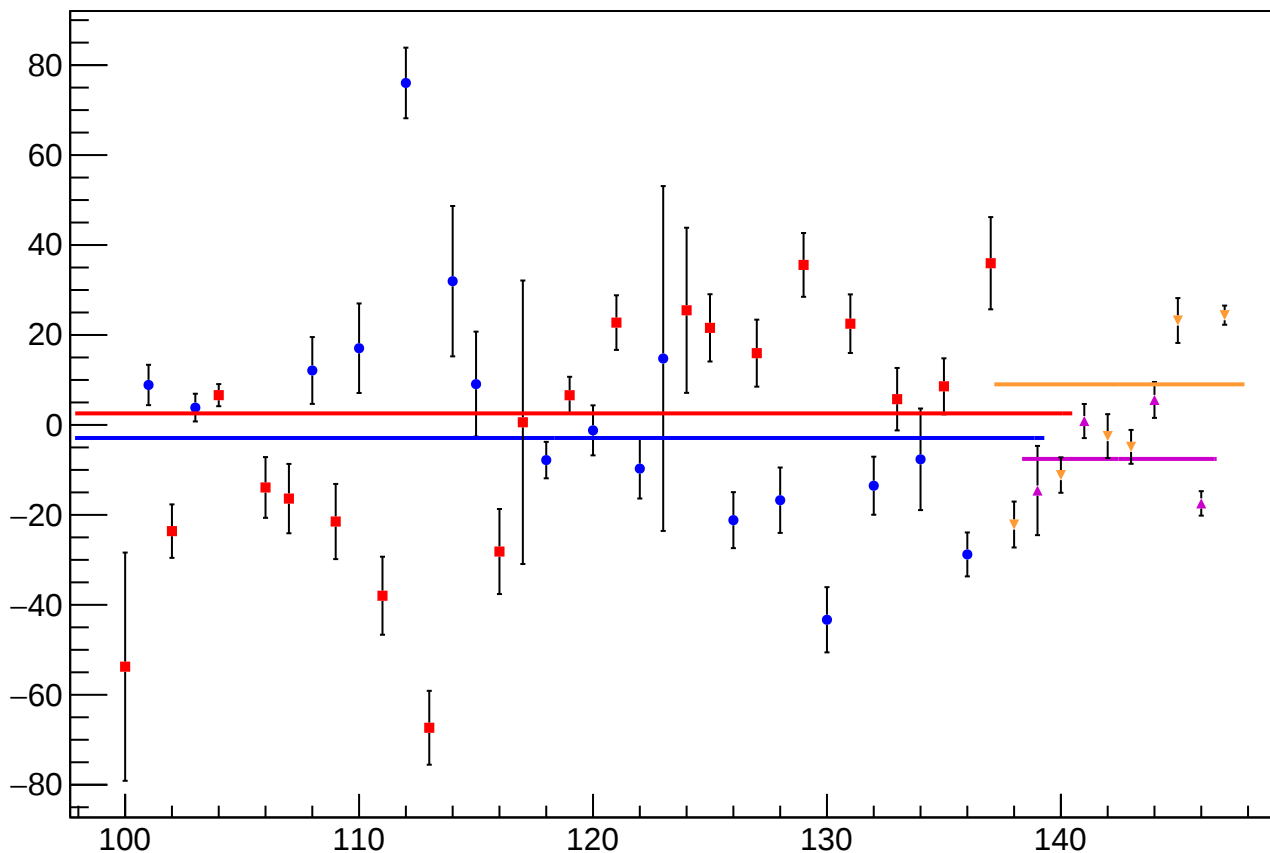
Left In: 255.733+/-2.630 χ^2/NDF : 37.1/3

-238.248+/-2.190 χ^2/NDF : 418.7/5

-35.993+/-1.683 χ^2/NDF : 21289.9/9

255.733+/-2.630 χ^2/NDF : 37.1/3

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 9.021 ± 1.450 χ^2/NDF : 142.9/5

Right Out: 2.566 ± 1.395 χ^2/NDF : 218.2/19

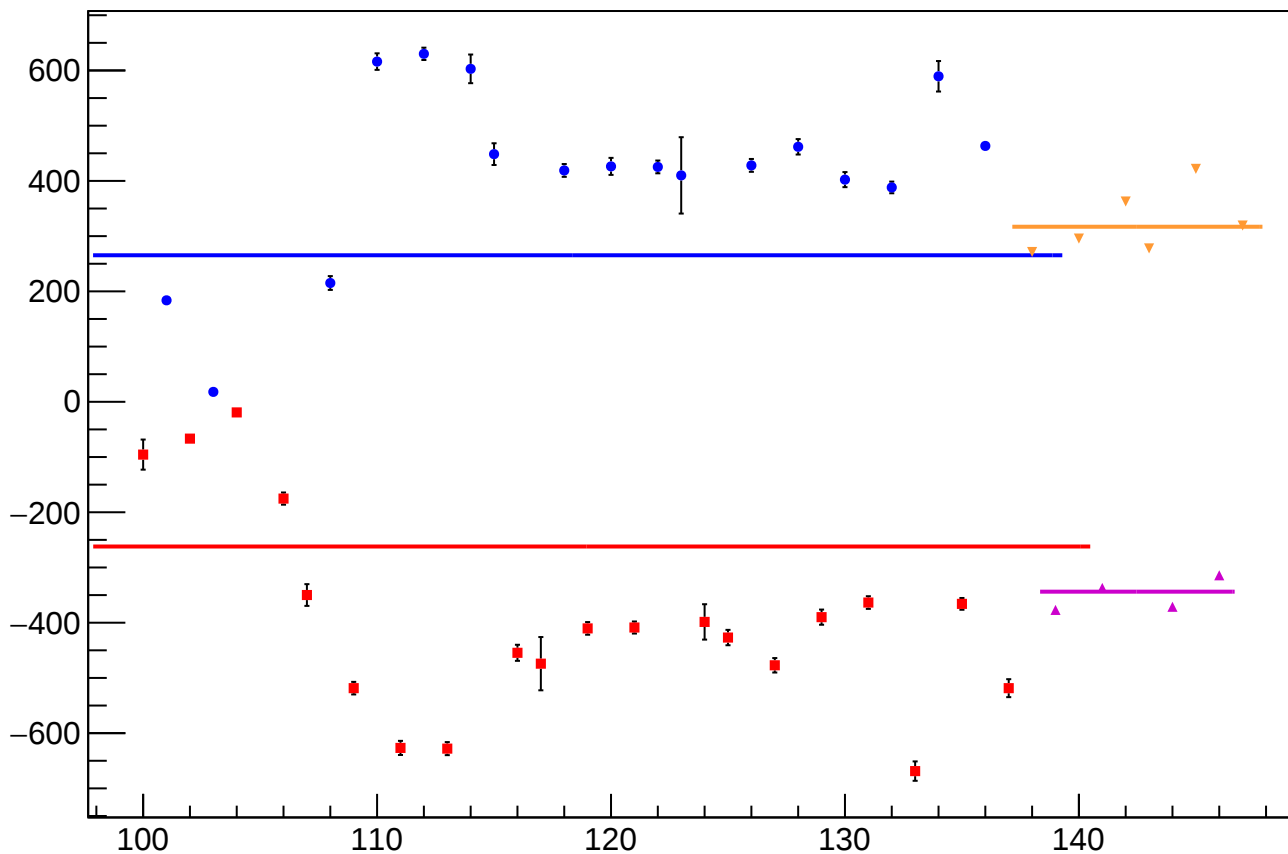
Left In: -7.556 ± 1.898 χ^2/NDF : 29.5/3

3.132 ± 1.031 χ^2/NDF : 379.9/22

1.250 ± 0.760 χ^2/NDF : 653.3/46

-0.985 ± 1.124 χ^2/NDF : 266.1/23

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2/NDF : 7633.8/16

Left Out: 317.021 $\pm$ 2.257 χ^2/NDF : 438.1/5

Right Out: -262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

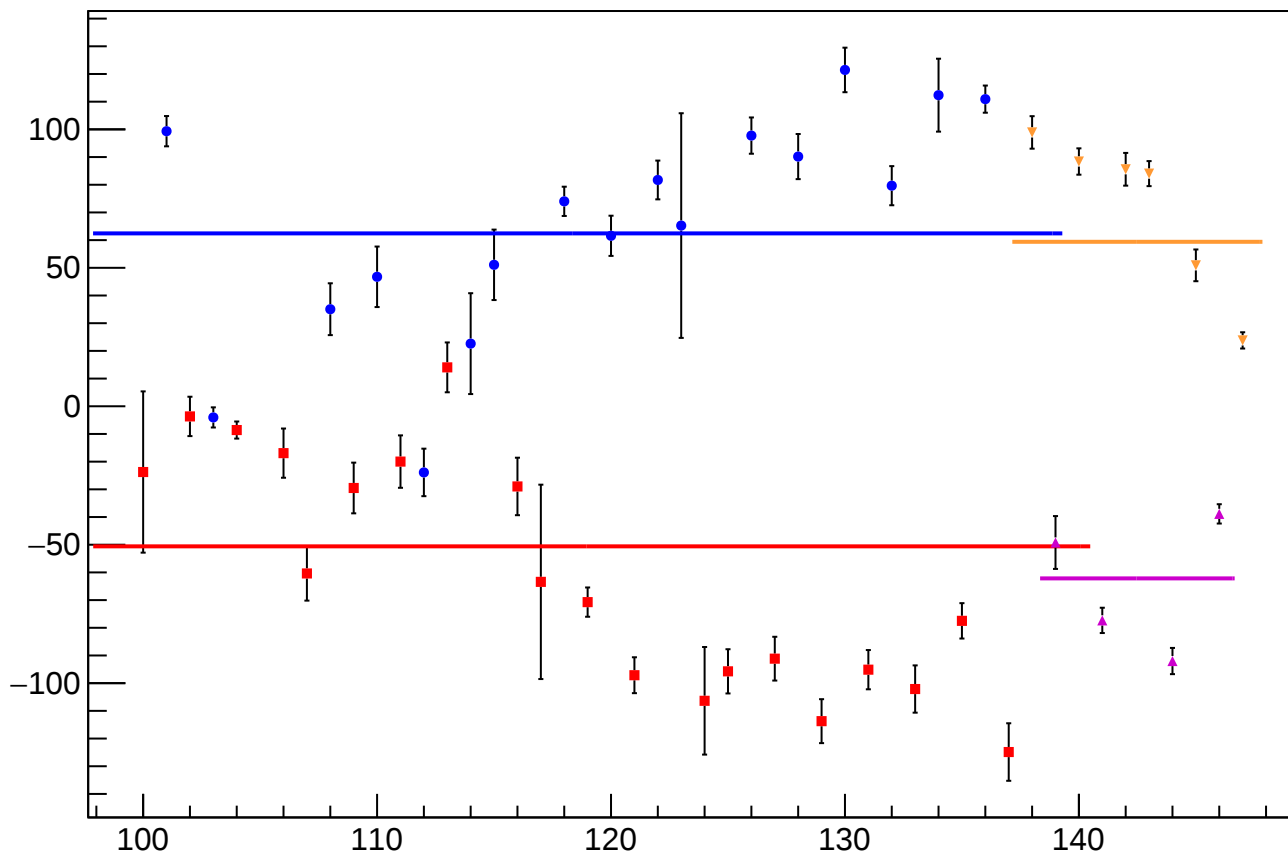
Left In: -343.801 $\pm$ 2.711 χ^2/NDF : 95.7/3

293.700 $\pm$ 1.672 χ^2/NDF : 8308.3/22

22.488 $\pm$ 1.231 χ^2/NDF : 74627.8/46

-298.854 $\pm$ 1.820 χ^2/NDF : 8819.4/23

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 59.396 $\pm$ 1.835 χ^2 /NDF: 280.8/5

Right Out: -50.588 $\pm$ 1.640 χ^2 /NDF: 657.5/19

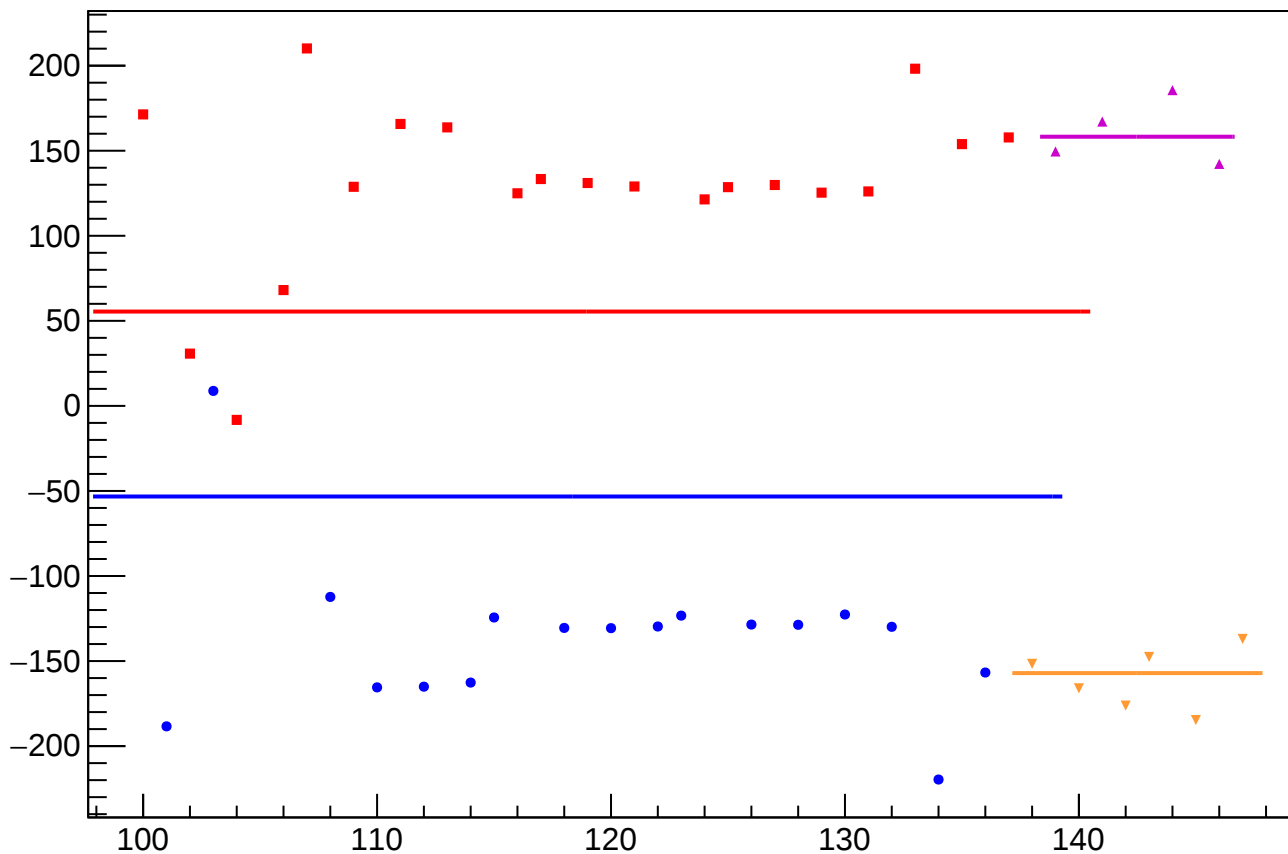
Left In: -62.161 $\pm$ 2.320 χ^2 /NDF: 97.2/3

61.036 $\pm$ 1.244 χ^2 /NDF: 1004.1/22

7.529 $\pm$ 0.912 χ^2 /NDF: 5765.0/46

-54.444 $\pm$ 1.339 χ^2 /NDF: 771.3/23

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264+/-0.070 χ^2/NDF : 1225492.9/16

Left Out: -157.075+/-0.096 χ^2/NDF : 29844.3/5

Right Out: 55.455+/-0.072 χ^2/NDF : 968274.5/19

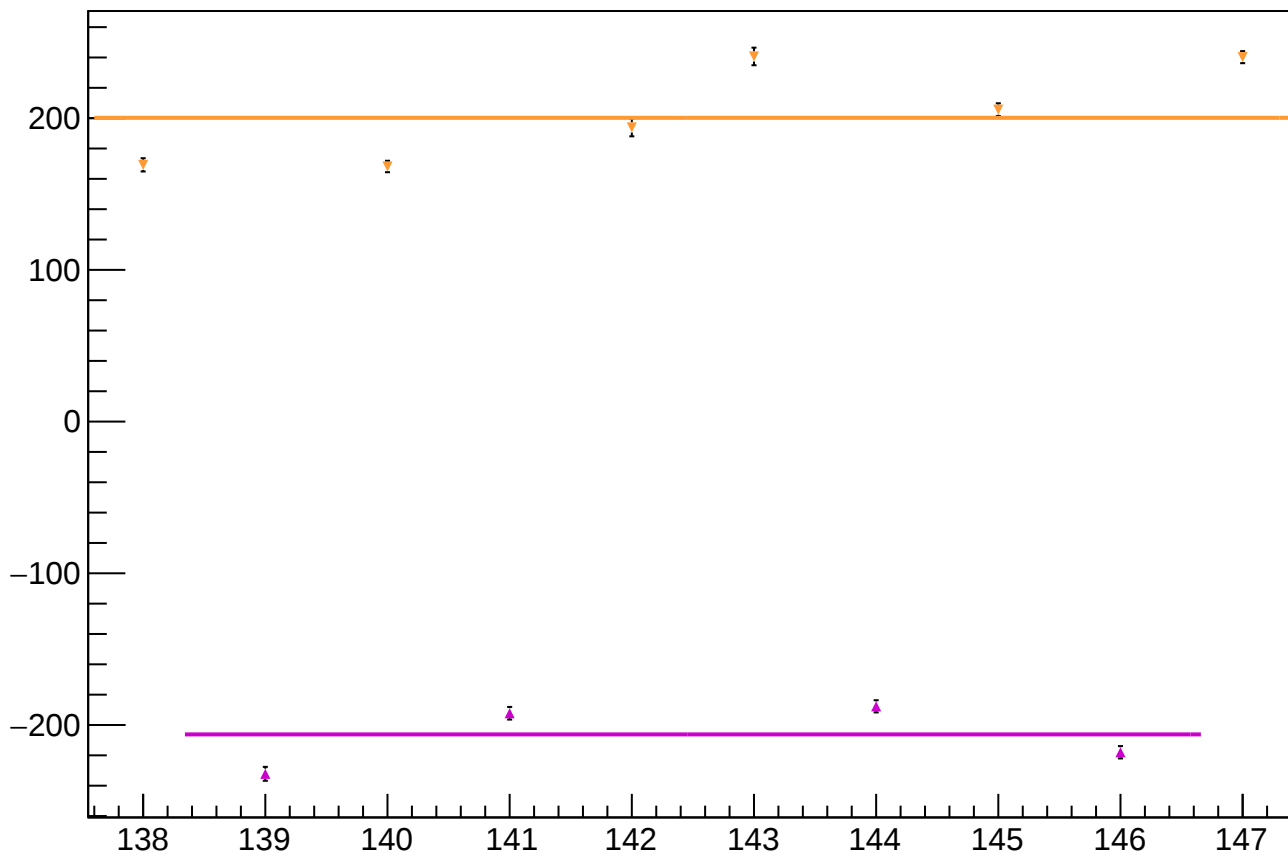
Left In: 158.242+/-0.112 χ^2/NDF : 20015.1/3

-89.765+/-0.057 χ^2/NDF : 2019625.0/22

-7.975+/-0.041 χ^2/NDF : 8057268.1/46

85.343+/-0.061 χ^2/NDF : 1582334.1/23

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 200.222 ± 1.822 χ^2/NDF : 275.0/5

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

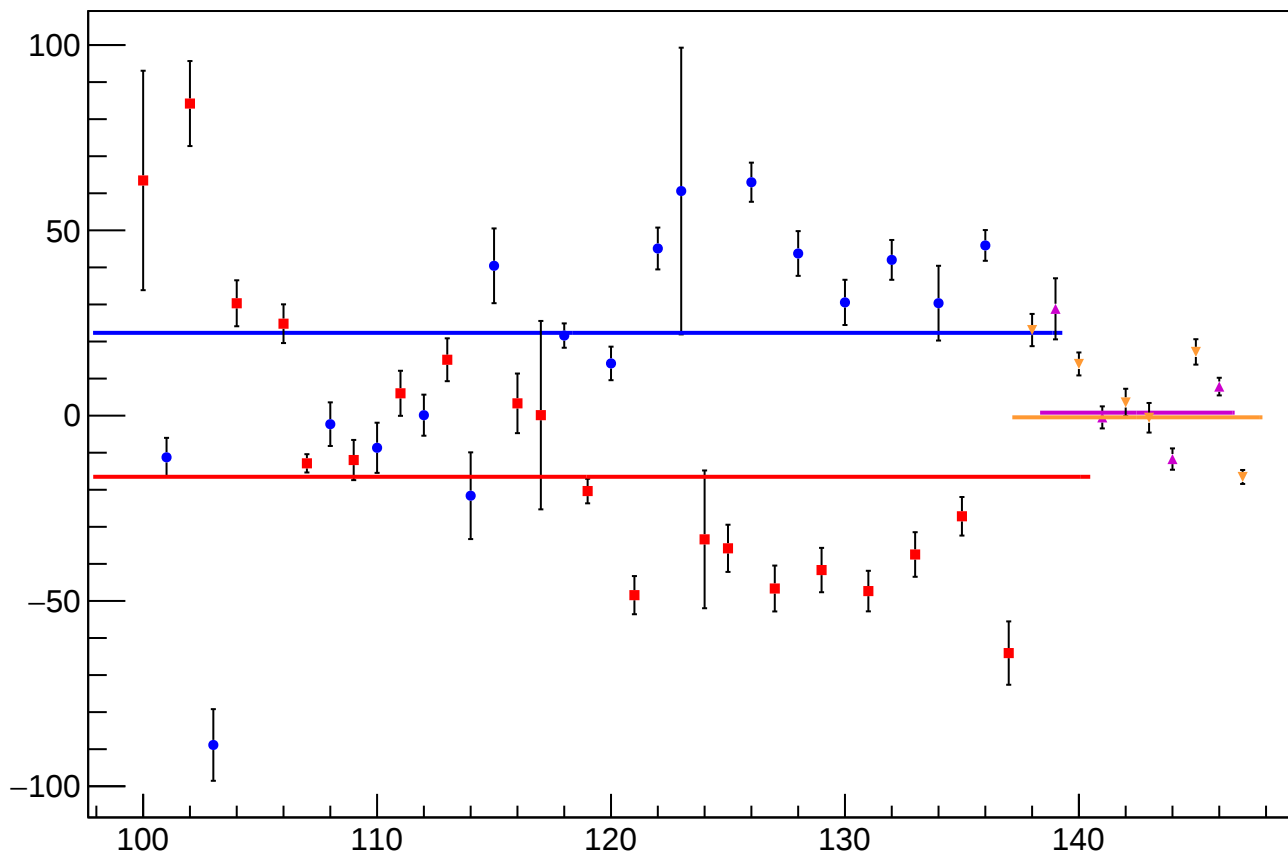
Left In: -206.197 ± 2.101 χ^2/NDF : 72.6/3

200.222 ± 1.822 χ^2/NDF : 275.0/5

25.695 ± 1.377 χ^2/NDF : 21704.2/9

-206.197 ± 2.101 χ^2/NDF : 72.6/3

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: -0.454 ± 1.231 χ^2/NDF : 151.5/5

Right Out: -16.498 ± 1.226 χ^2/NDF : 427.0/19

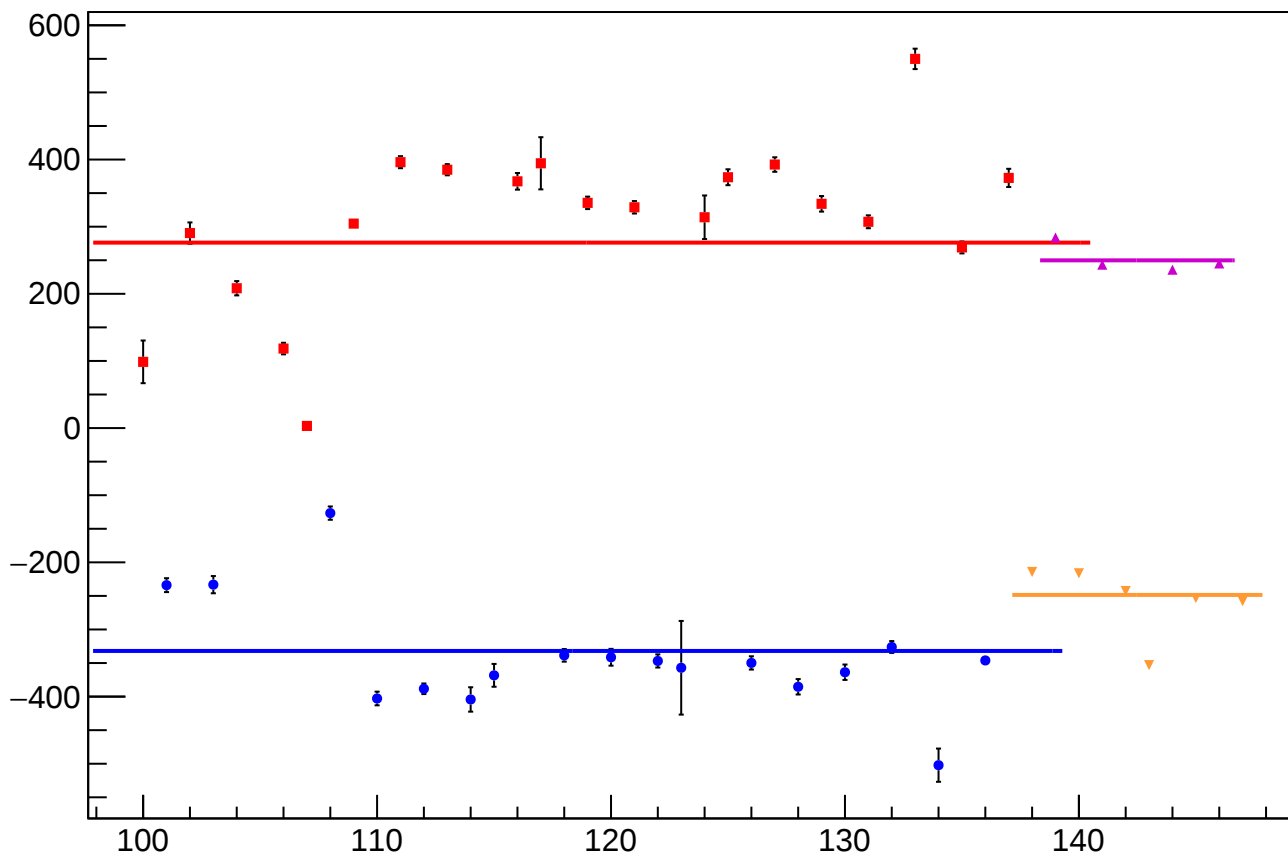
Left In: 0.804 ± 1.534 χ^2/NDF : 39.4/3

9.527 ± 0.923 χ^2/NDF : 687.4/22

0.239 ± 0.665 χ^2/NDF : 1441.6/46

-9.754 ± 0.958 χ^2/NDF : 544.1/23

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989±/-2.580 χ^2/NDF : 785.0/16

Left Out: -248.534±/-1.887 χ^2/NDF : 410.7/5

Right Out: 276.265±/-2.320 χ^2/NDF : 3371.5/19

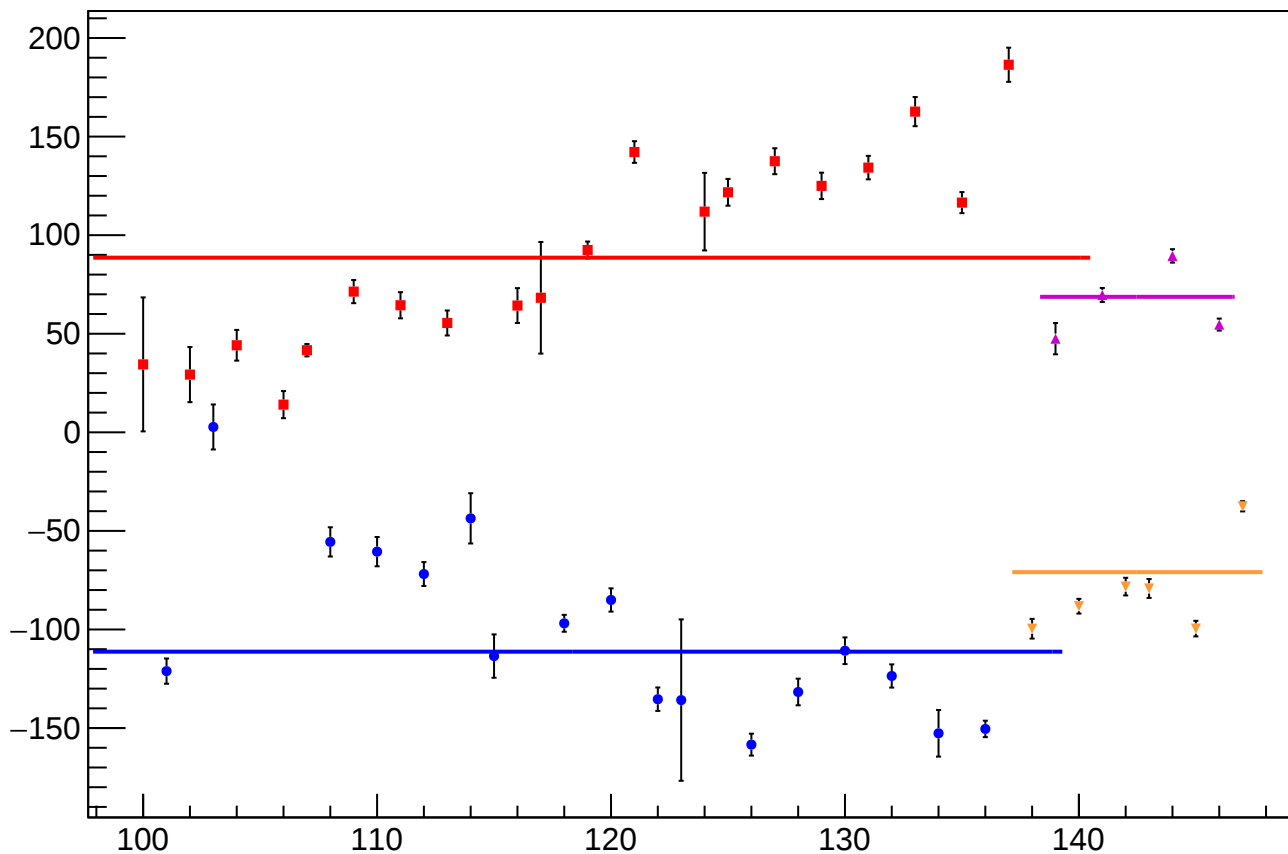
Left In: 249.846±/-2.178 χ^2/NDF : 60.6/3

-277.618±/-1.523 χ^2/NDF : 1877.2/22

-18.930±/-1.099 χ^2/NDF : 65568.1/46

262.218±/-1.588 χ^2/NDF : 3501.0/23

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -70.924 ± 1.548 χ^2/NDF : 278.0/5

Right Out: 88.581 ± 1.431 χ^2/NDF : 971.5/19

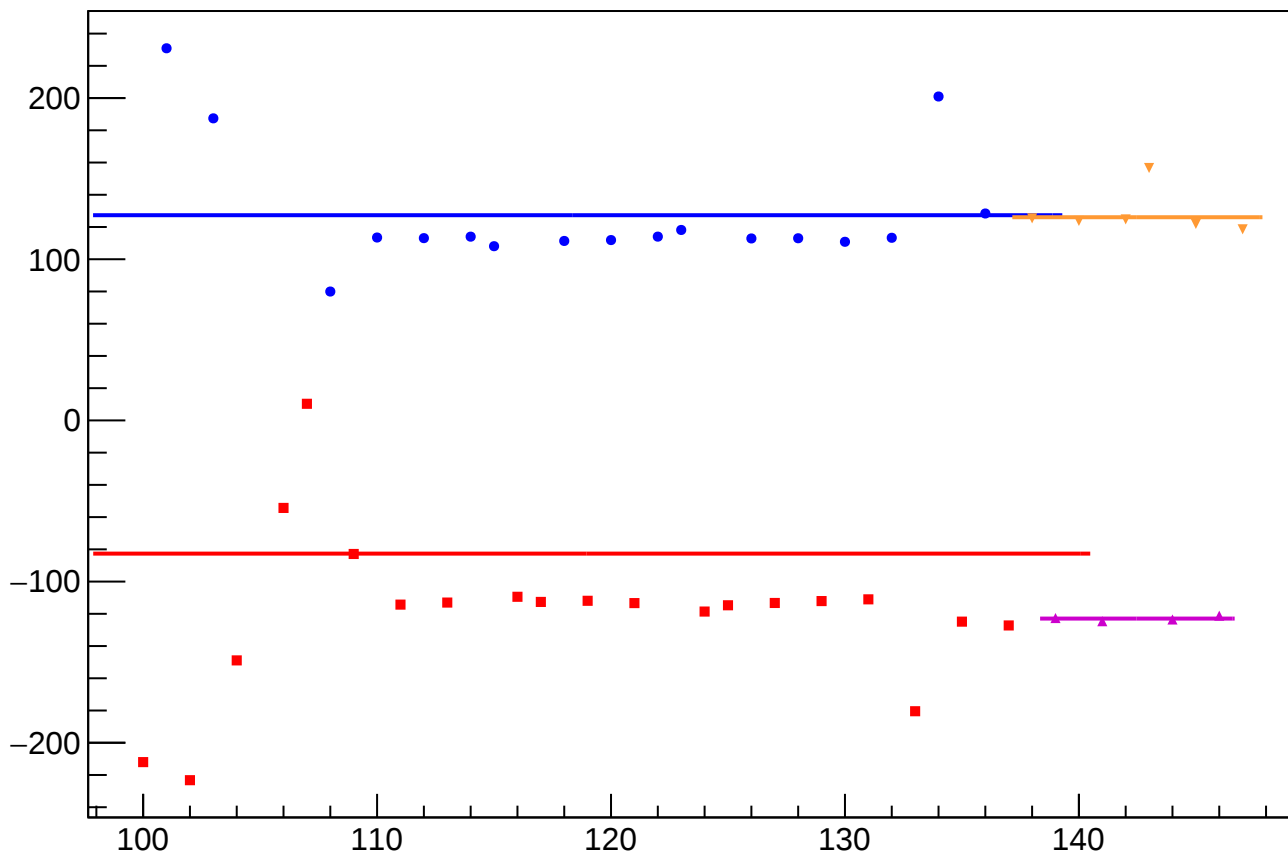
Left In: 68.722 ± 1.864 χ^2/NDF : 65.7/3

-90.458 ± 1.112 χ^2/NDF : 1116.4/22

-6.422 ± 0.794 χ^2/NDF : 13901.6/46

81.213 ± 1.135 χ^2/NDF : 1108.6/23

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 126.064+/-0.080 χ^2/NDF : 17771.1/5

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

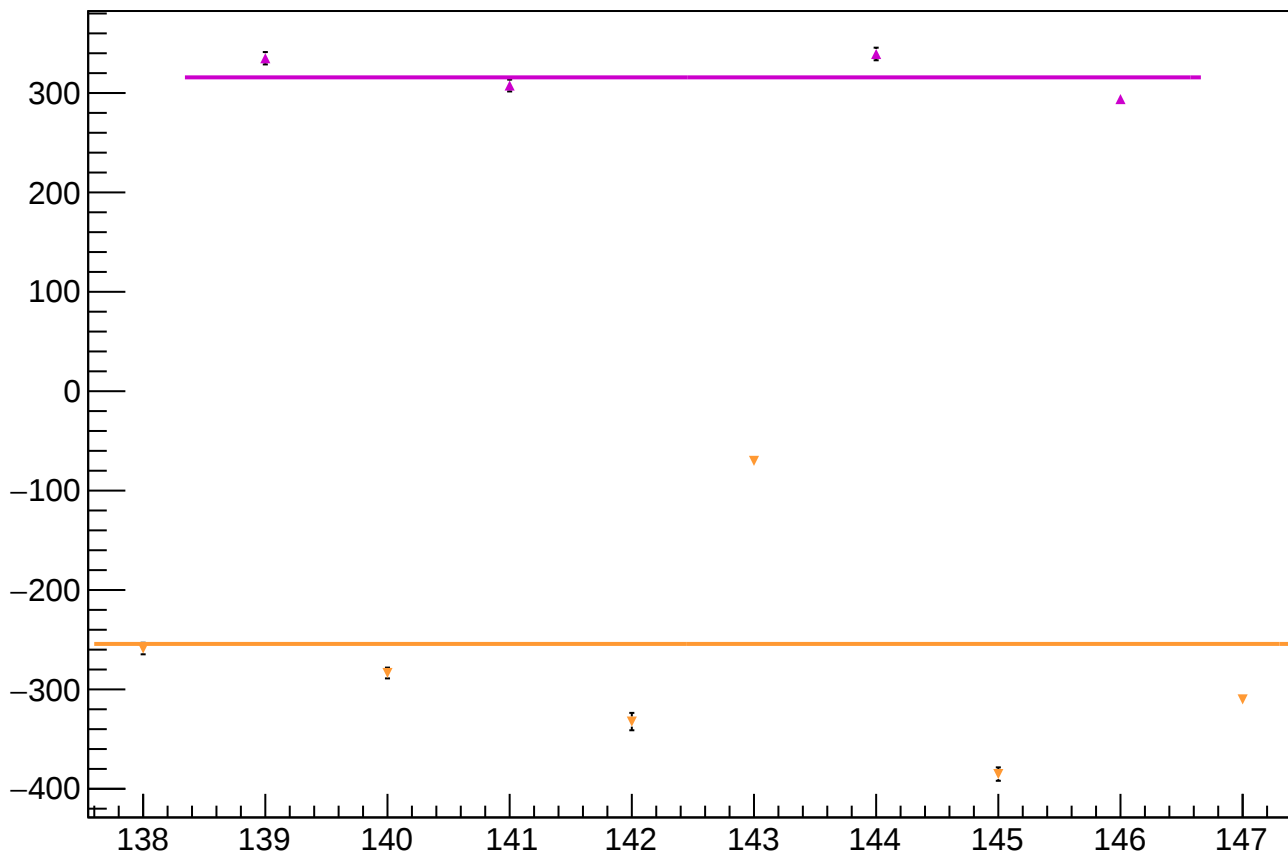
Left In: -122.957+/-0.090 χ^2/NDF : 196.6/3

126.620+/-0.059 χ^2/NDF : 205658.1/22

10.595+/-0.041 χ^2/NDF : 8502452.0/46

-99.190+/-0.058 χ^2/NDF : 883070.9/23

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -254.245+/-2.346 χ^2/NDF : 1984.0/5

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

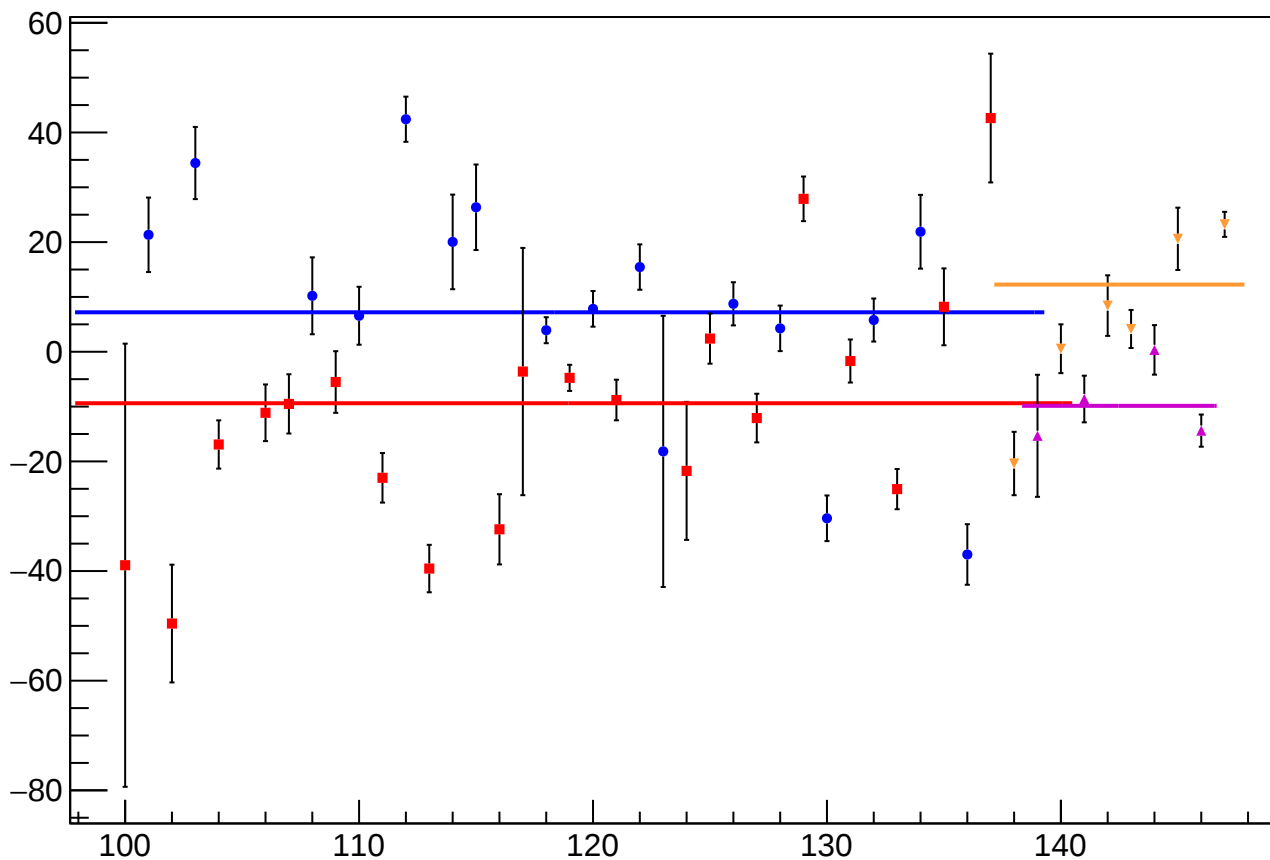
Left In: 315.745+/-2.917 χ^2/NDF : 43.8/3

-254.245+/-2.346 χ^2/NDF : 1984.0/5

-30.335+/-1.828 χ^2/NDF : 25210.0/9

315.745+/-2.917 χ^2/NDF : 43.8/3

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 12.257 ± 1.545 χ^2/NDF : 70.0/5

Right Out: -9.390 ± 1.070 χ^2/NDF : 232.2/19

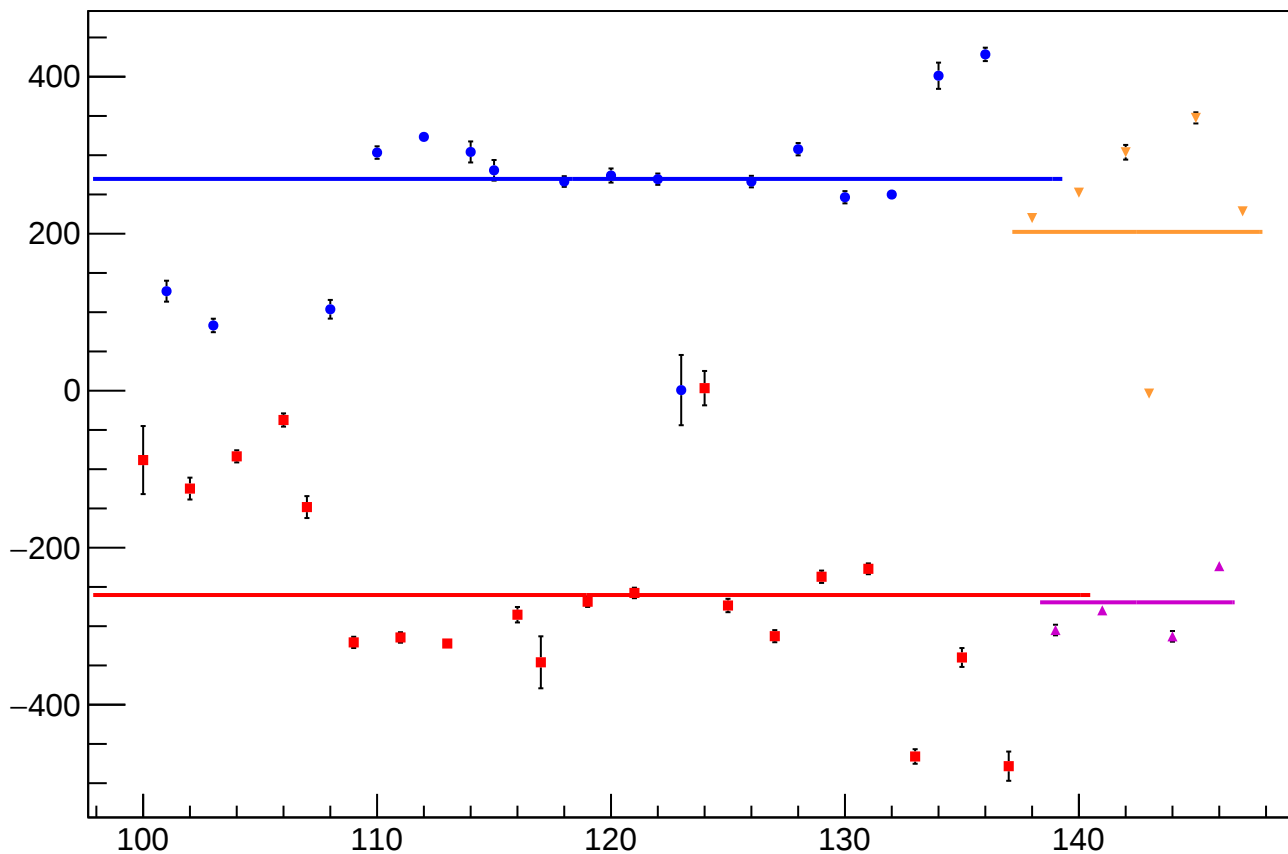
Left In: -9.863 ± 2.093 χ^2/NDF : 7.8/3

8.906 ± 0.898 χ^2/NDF : 338.0/22

0.254 ± 0.653 χ^2/NDF : 775.5/46

-9.488 ± 0.953 χ^2/NDF : 240.1/23

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 202.331 $\pm$ 2.418 χ^2 /NDF: 2153.6/5

Right Out: -260.286 $\pm$ 1.973 χ^2 /NDF: 2545.4/19

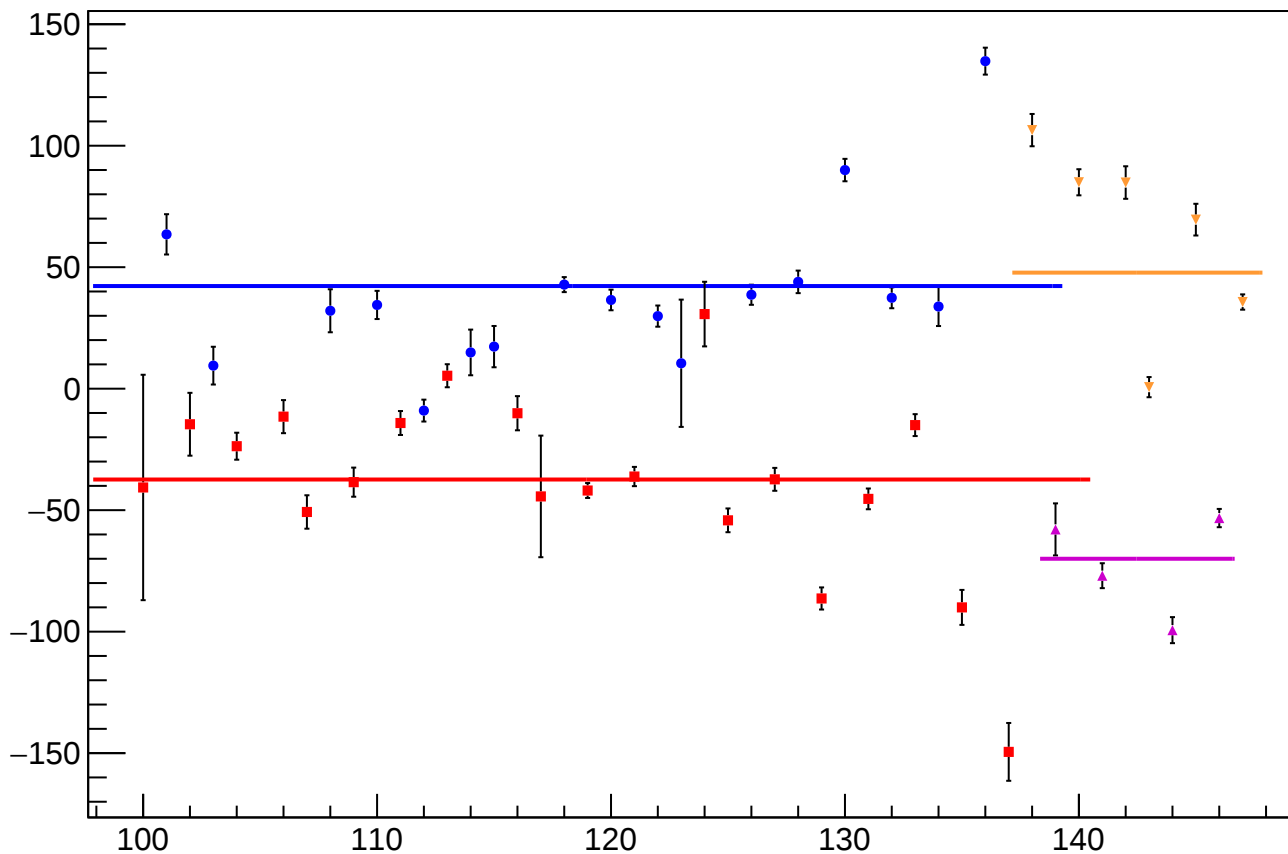
Left In: -269.604 $\pm$ 3.001 χ^2 /NDF: 161.3/3

240.963 $\pm$ 1.581 χ^2 /NDF: 3973.6/22

-0.453 $\pm$ 1.141 χ^2 /NDF: 55386.1/46

-263.099 $\pm$ 1.649 χ^2 /NDF: 2713.4/23

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 47.766 ± 1.954 $\chi^2/\text{NDF}: 311.3/5$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

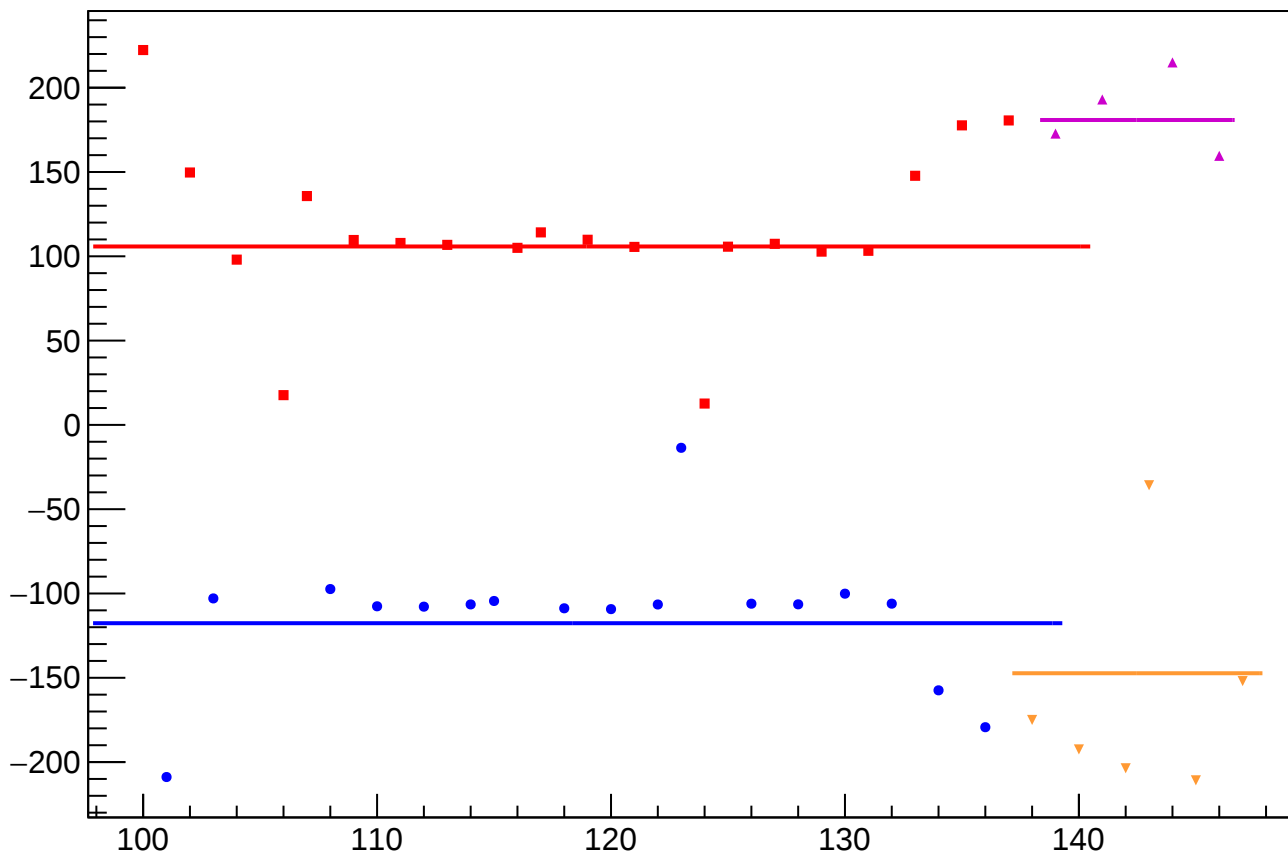
Left In: -70.000 ± 2.563 $\chi^2/\text{NDF}: 53.0/3$

43.889 ± 1.067 $\chi^2/\text{NDF}: 891.3/22$

1.959 ± 0.770 $\chi^2/\text{NDF}: 4767.7/46$

-43.515 ± 1.111 $\chi^2/\text{NDF}: 656.9/23$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625 ± 0.079 $\chi^2/\text{NDF}: 141872.3/16$

Left Out: -147.305 ± 0.102 $\chi^2/\text{NDF}: 392696.7/5$

Right Out: 105.826 ± 0.073 $\chi^2/\text{NDF}: 323138.4/19$

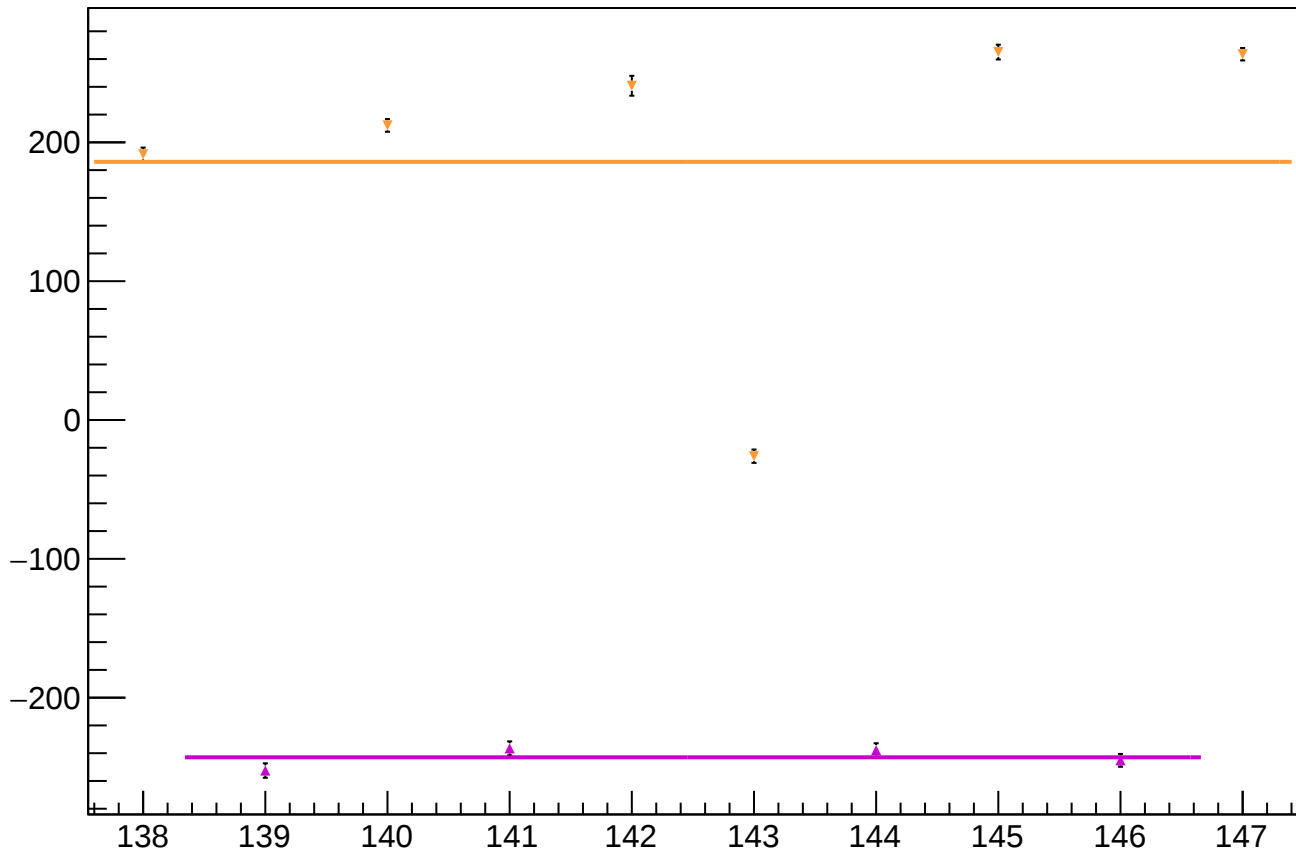
Left In: 180.849 ± 0.125 $\chi^2/\text{NDF}: 25675.7/3$

-128.640 ± 0.062 $\chi^2/\text{NDF}: 587587.8/22$

-2.987 ± 0.044 $\chi^2/\text{NDF}: 9421197.8/46$

124.879 ± 0.063 $\chi^2/\text{NDF}: 619038.6/23$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 185.969 $\pm$ 2.052 χ^2 /NDF: 2550.4/5

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

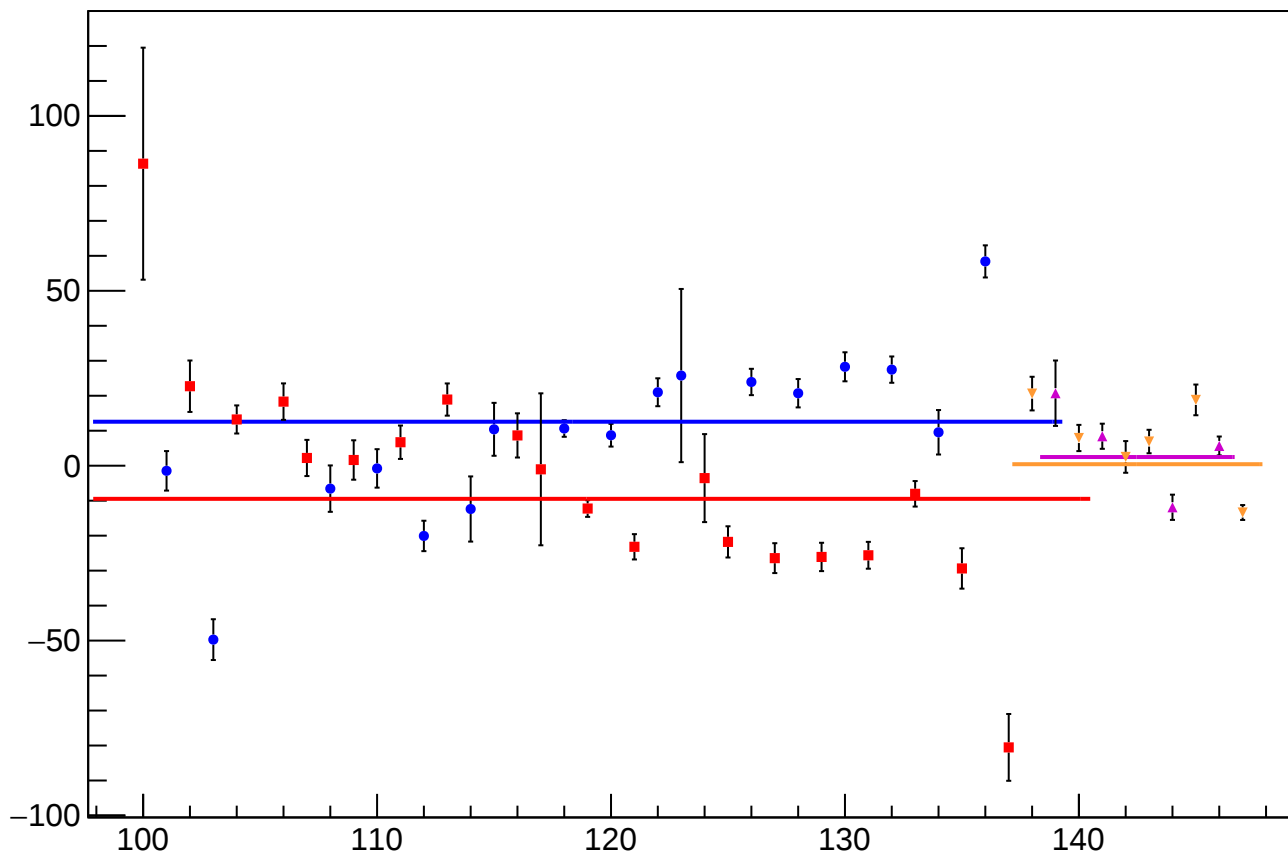
Left In: -242.950 $\pm$ 2.486 χ^2 /NDF: 6.2/3

185.969 $\pm$ 2.052 χ^2 /NDF: 2550.4/5

12.221 $\pm$ 1.582 χ^2 /NDF: 20263.5/9

-242.950 $\pm$ 2.486 χ^2 /NDF: 6.2/3

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 0.428 $\pm$ 1.382 χ^2 /NDF: 85.1/5

Right Out: -9.474 $\pm$ 1.046 χ^2 /NDF: 296.0/19

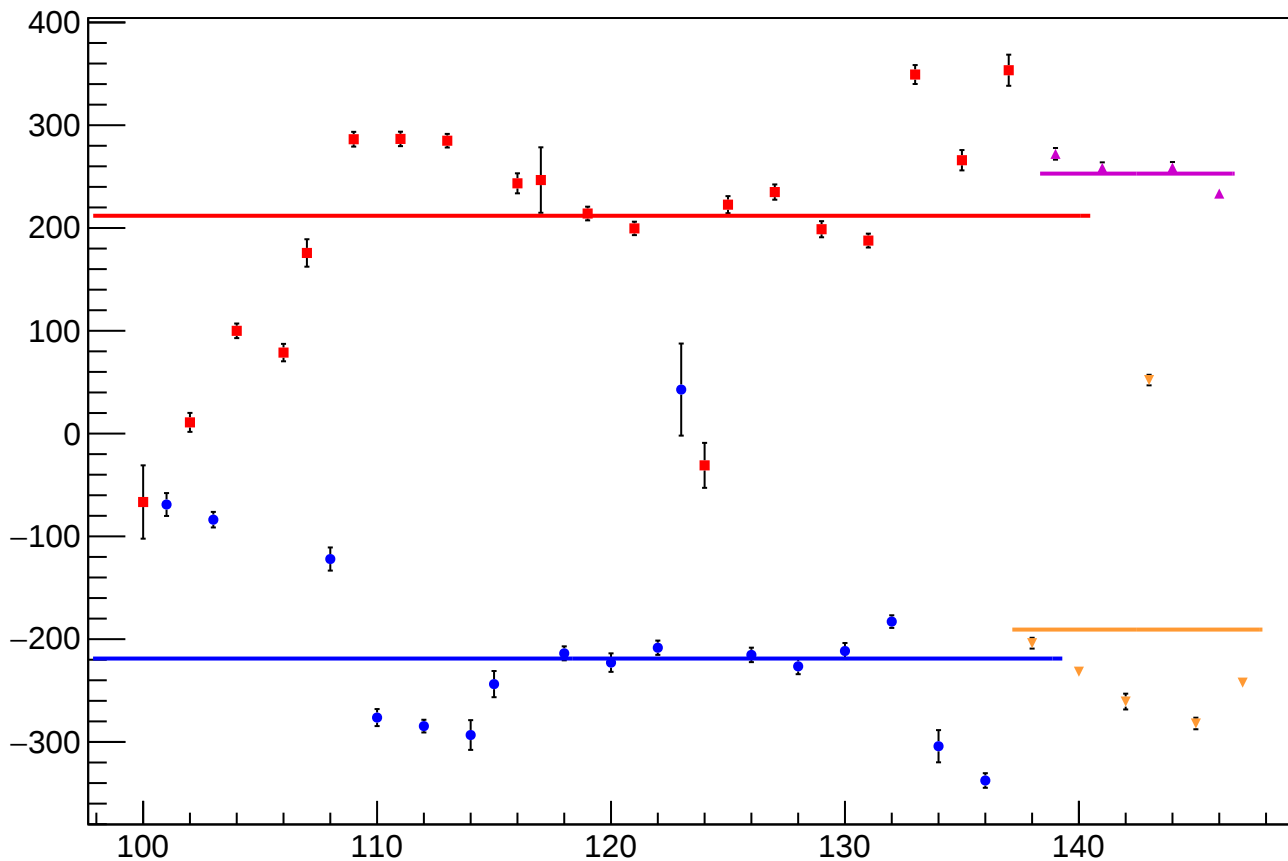
Left In: 2.481 $\pm$ 1.816 χ^2 /NDF: 23.8/3

7.999 $\pm$ 0.848 χ^2 /NDF: 481.2/22

1.235 $\pm$ 0.619 χ^2 /NDF: 969.8/46

-6.495 $\pm$ 0.907 χ^2 /NDF: 352.3/23

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -190.678 ± 2.125 $\chi^2/\text{NDF}: 2806.8/5$

Right Out: 211.907 ± 1.920 $\chi^2/\text{NDF}: 1886.4/19$

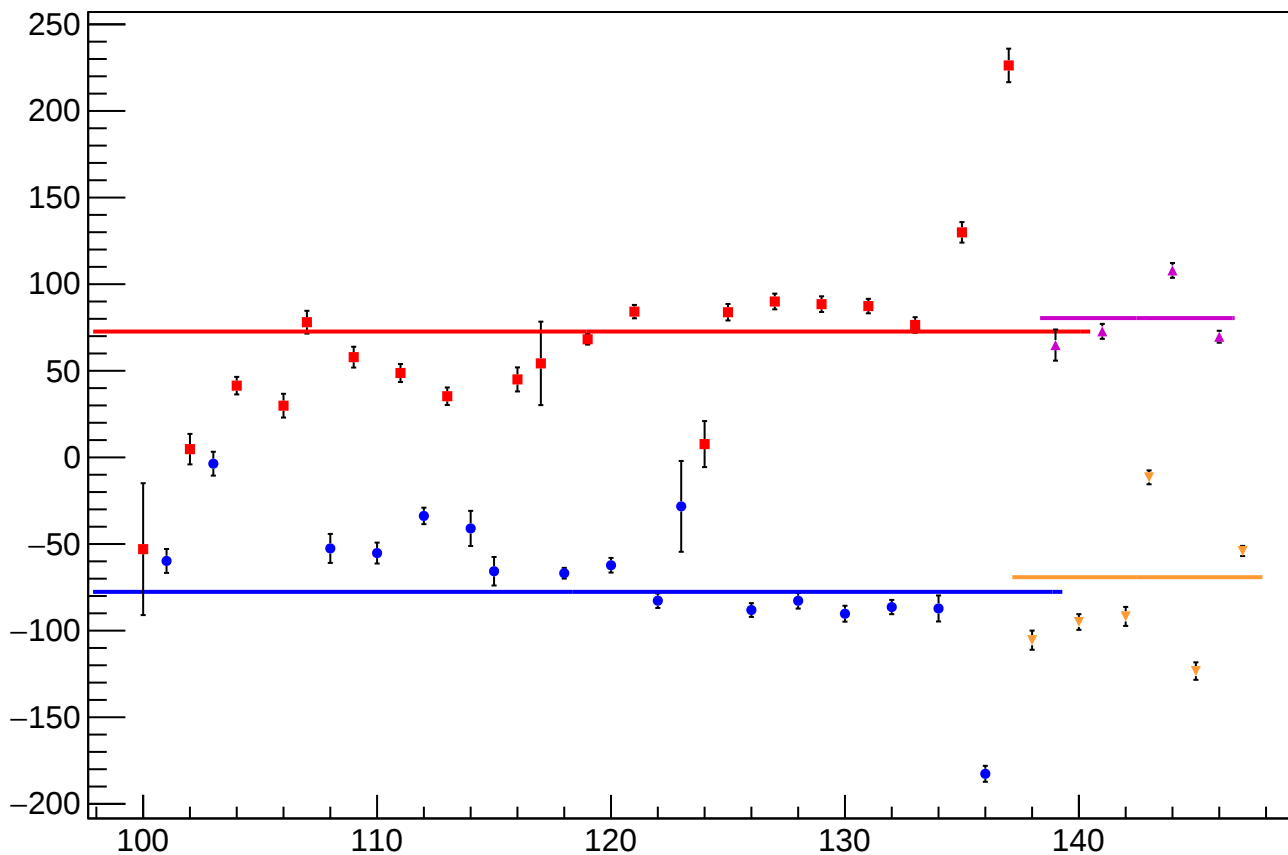
Left In: 252.912 ± 2.571 $\chi^2/\text{NDF}: 33.1/3$

-205.462 ± 1.465 $\chi^2/\text{NDF}: 4045.7/22$

-0.005 ± 1.061 $\chi^2/\text{NDF}: 47488.0/46$

226.591 ± 1.539 $\chi^2/\text{NDF}: 2082.7/23$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 $\pm$ 1.236 χ^2/NDF : 815.9/16

Left Out: -69.147 $\pm$ 1.736 χ^2/NDF : 441.3/5

Right Out: 72.664 $\pm$ 1.205 χ^2/NDF : 672.0/19

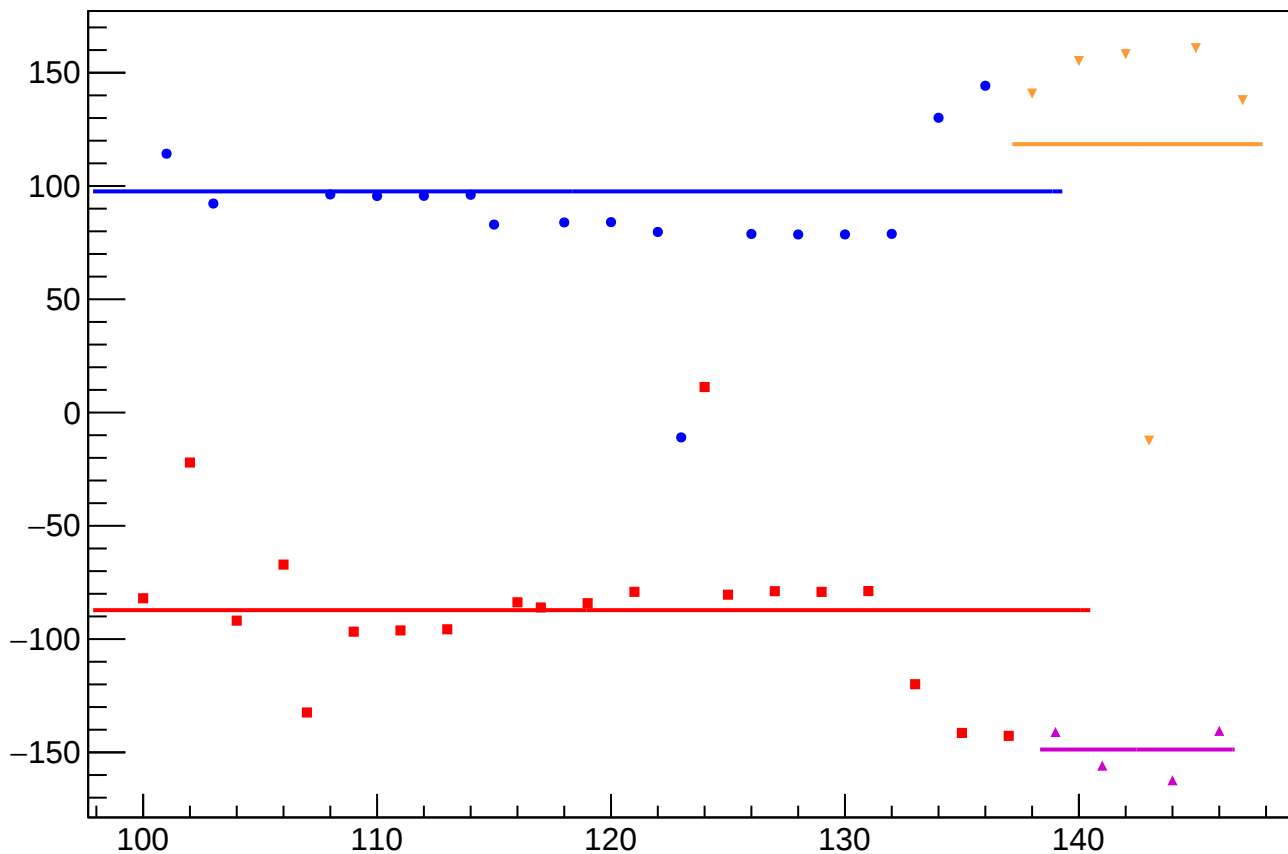
Left In: 80.426 $\pm$ 2.211 χ^2/NDF : 57.3/3

-74.762 $\pm$ 1.007 χ^2/NDF : 1273.0/22

-3.831 $\pm$ 0.729 χ^2/NDF : 12446.9/46

74.440 $\pm$ 1.058 χ^2/NDF : 738.8/23

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 118.463+/-0.089 χ^2/NDF : 509267.3/5

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

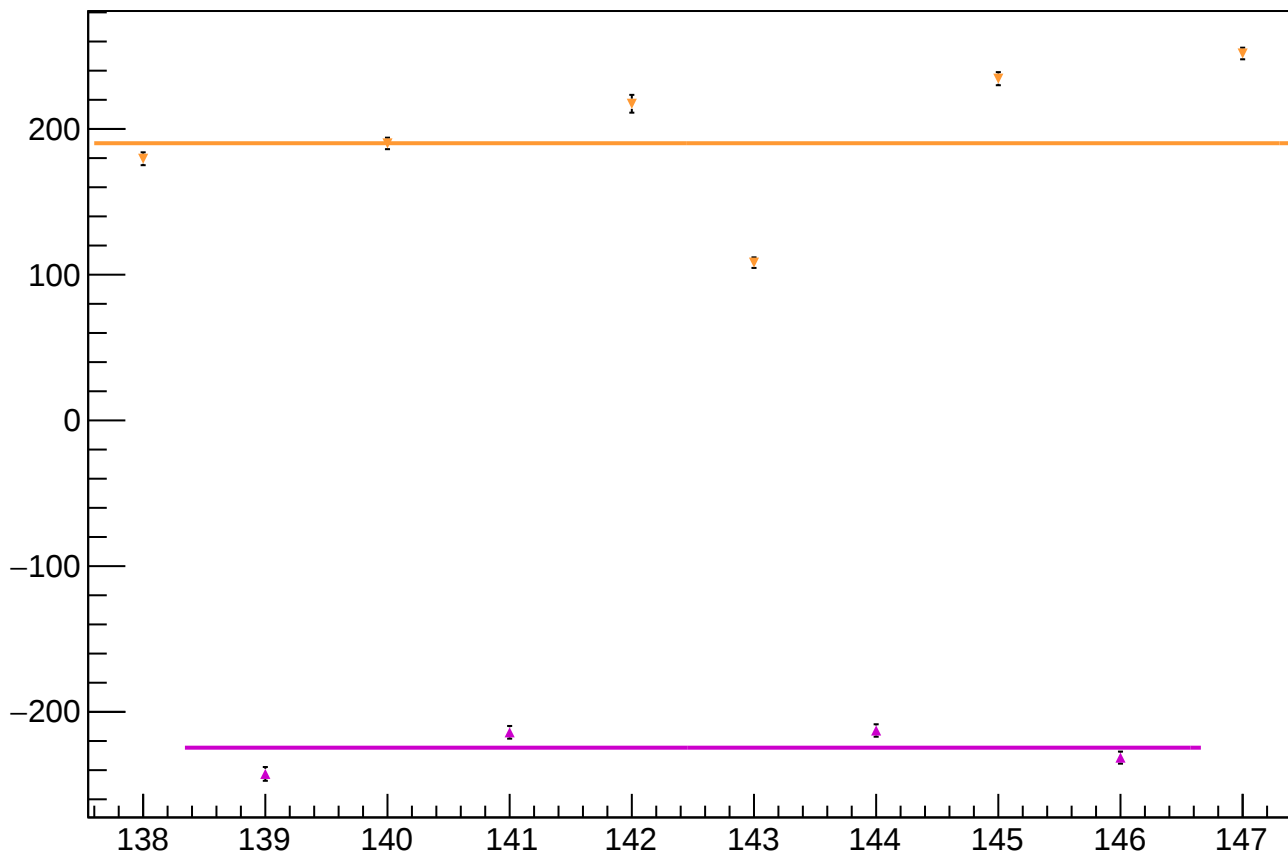
Left In: -148.745+/-0.106 χ^2/NDF : 7515.0/3

106.055+/-0.057 χ^2/NDF : 635670.8/22

1.429+/-0.040 χ^2/NDF : 7933046.1/46

-105.154+/-0.057 χ^2/NDF : 465573.4/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 190.213+/-1.741 χ^2/NDF : 869.2/5

190.213+/-1.741 χ^2/NDF : 869.2/5

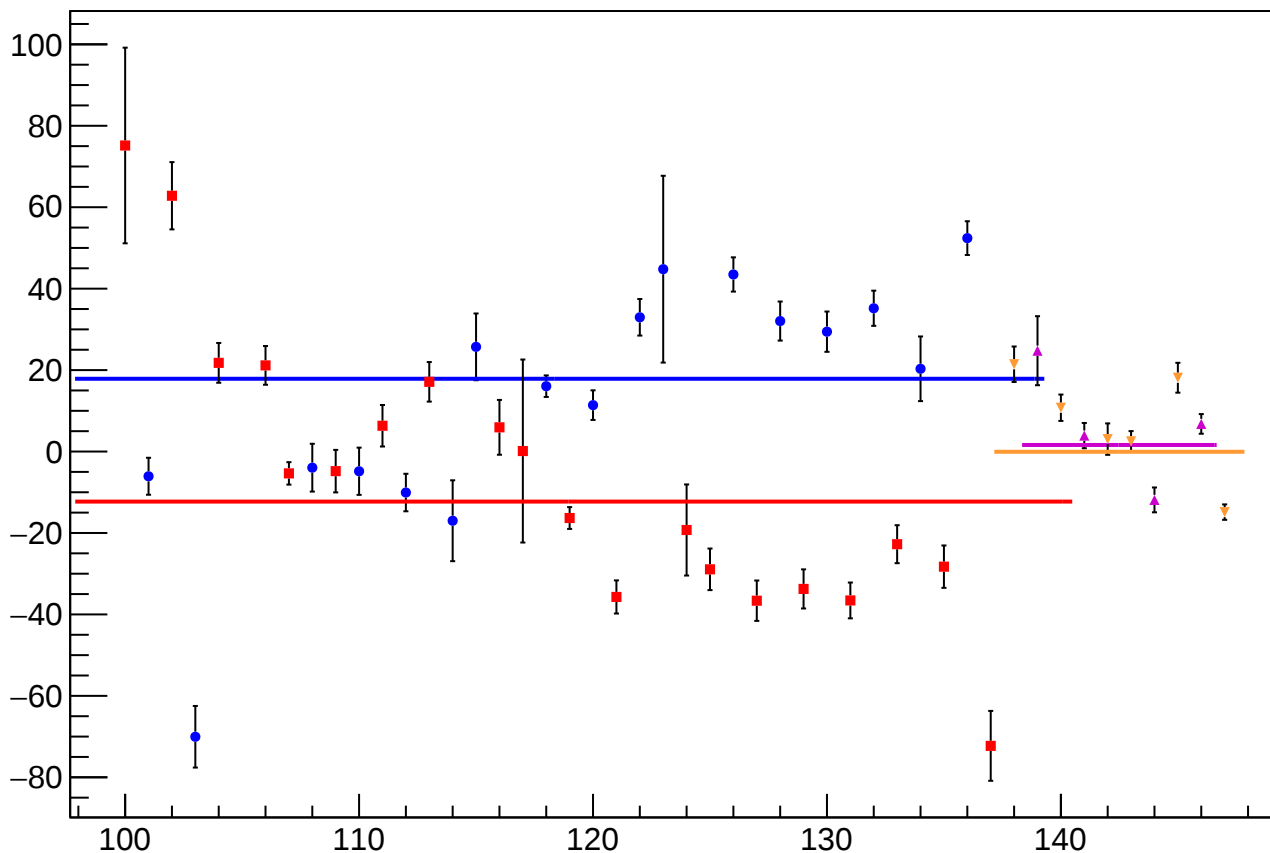
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

28.681+/-1.360 χ^2/NDF : 23007.6/9

Left In: -224.580+/-2.180 χ^2/NDF : 30.6/3

-224.580+/-2.180 χ^2/NDF : 30.6/3

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872+/-1.166 χ^2/NDF : 395.3/16

Left Out: -0.057+/-1.173 χ^2/NDF : 123.0/5

Right Out: -12.288+/-1.082 χ^2/NDF : 444.4/19

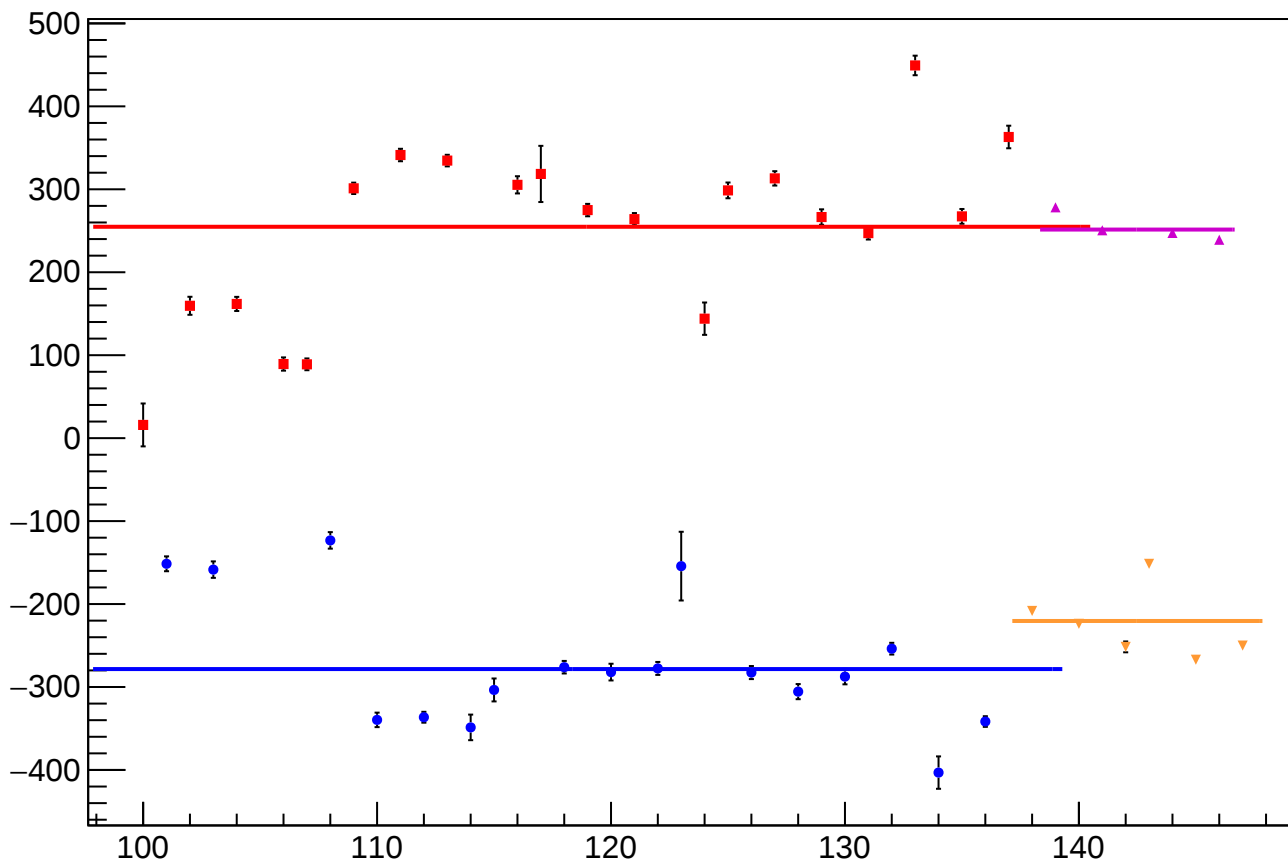
Left In: 1.613+/-1.587 χ^2/NDF : 32.2/3

8.964+/-0.827 χ^2/NDF : 635.9/22

1.199+/-0.607 χ^2/NDF : 1356.0/46

-7.877+/-0.894 χ^2/NDF : 528.9/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 +/- 2.185 χ^2/NDF : 910.6/16

Left Out: -220.409 +/- 1.808 χ^2/NDF : 505.2/5

Right Out: 254.830 +/- 2.016 χ^2/NDF : 2041.0/19

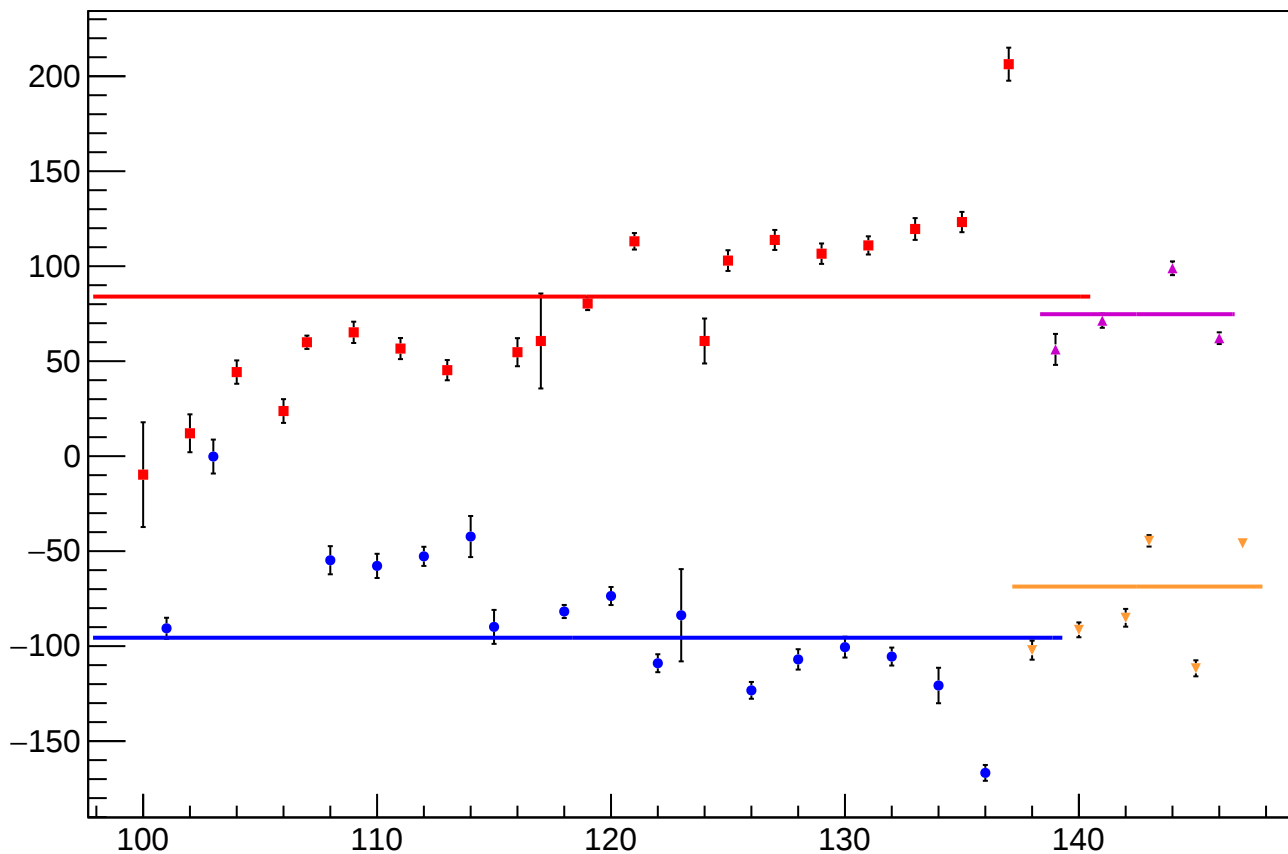
Left In: 251.454 +/- 2.257 χ^2/NDF : 37.8/3

-243.972 +/- 1.393 χ^2/NDF : 1833.6/22

-14.287 +/- 1.022 χ^2/NDF : 62784.9/46

253.331 +/- 1.504 χ^2/NDF : 2080.1/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -68.643 ± 1.468 χ^2/NDF : 334.7/5

Right Out: 84.003 ± 1.255 χ^2/NDF : 784.1/19

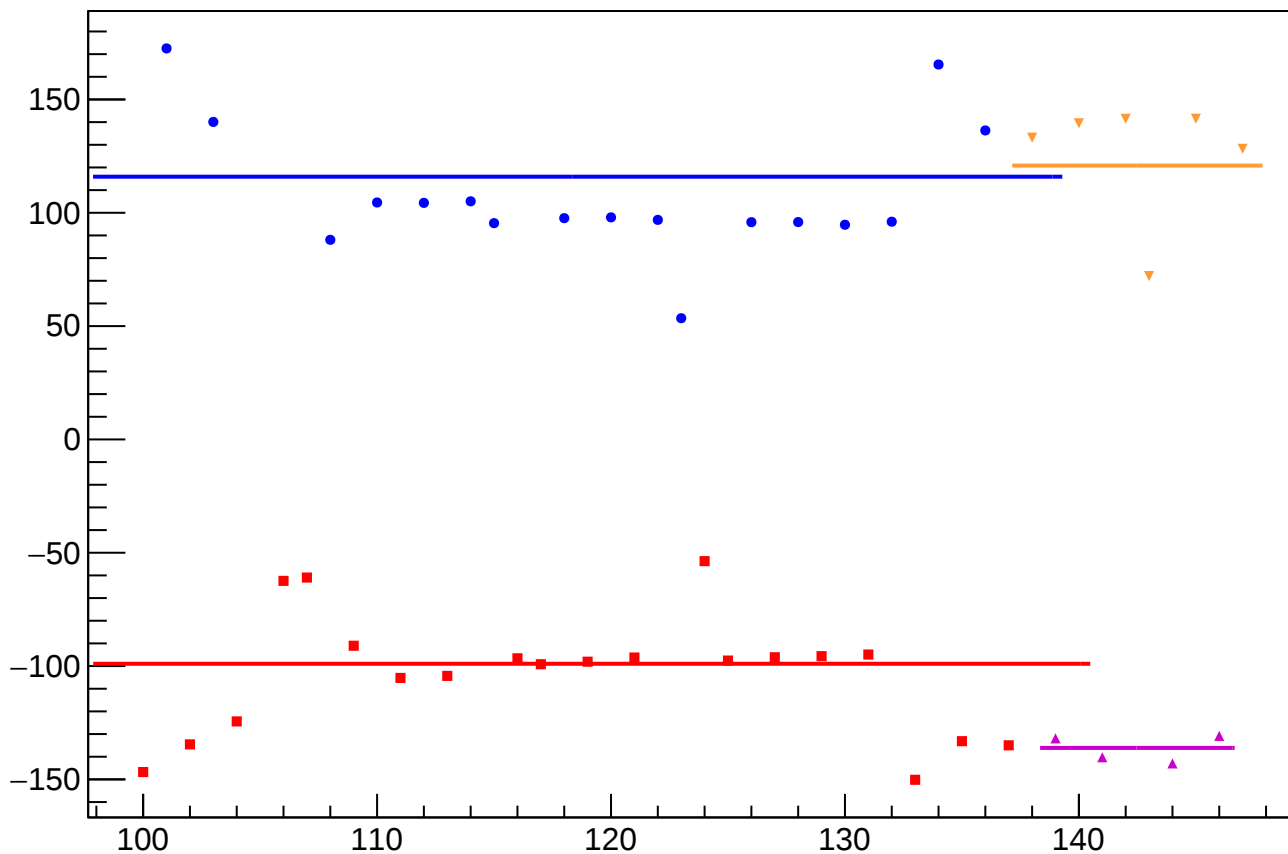
Left In: 74.731 ± 1.931 χ^2/NDF : 67.5/3

-83.334 ± 0.990 χ^2/NDF : 1189.5/22

-6.069 ± 0.721 χ^2/NDF : 15032.0/46

81.250 ± 1.052 χ^2/NDF : 867.8/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927+/-0.078 χ^2/NDF : 105791.4/16

Left Out: 120.815+/-0.076 χ^2/NDF :133019.8/5

Right Out: -98.982+/-0.068 χ^2/NDF : 172974.2/19

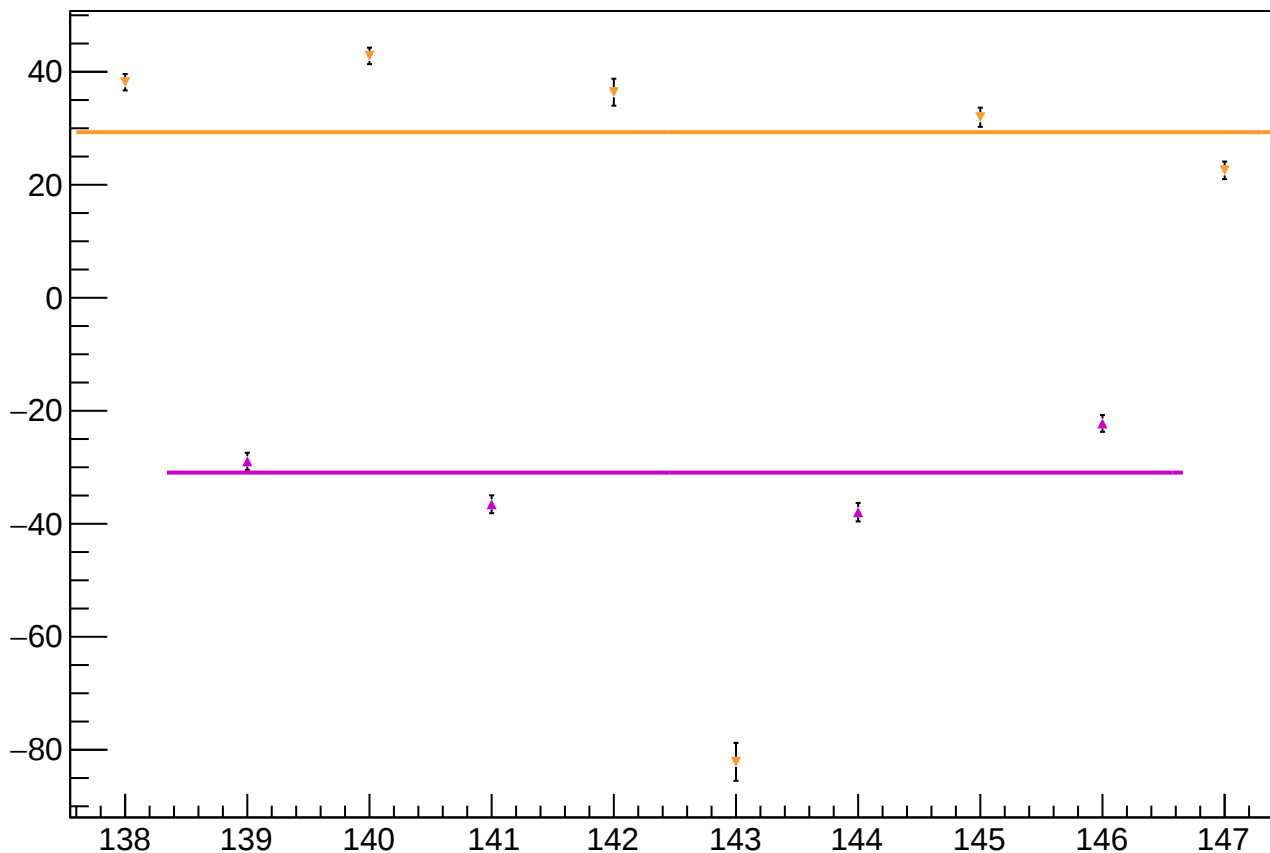
Left In: -136.115+/-0.094 χ^2/NDF :3043.1/3

118.453+/-0.055 χ^2/NDF : 240818.5/22

4.815+/-0.039 χ^2/NDF : 9327473.1/46

-111.936+/-0.055 χ^2/NDF : 278589.2/23

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 29.305+/-0.712 χ^2/NDF : 1256.5/5

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

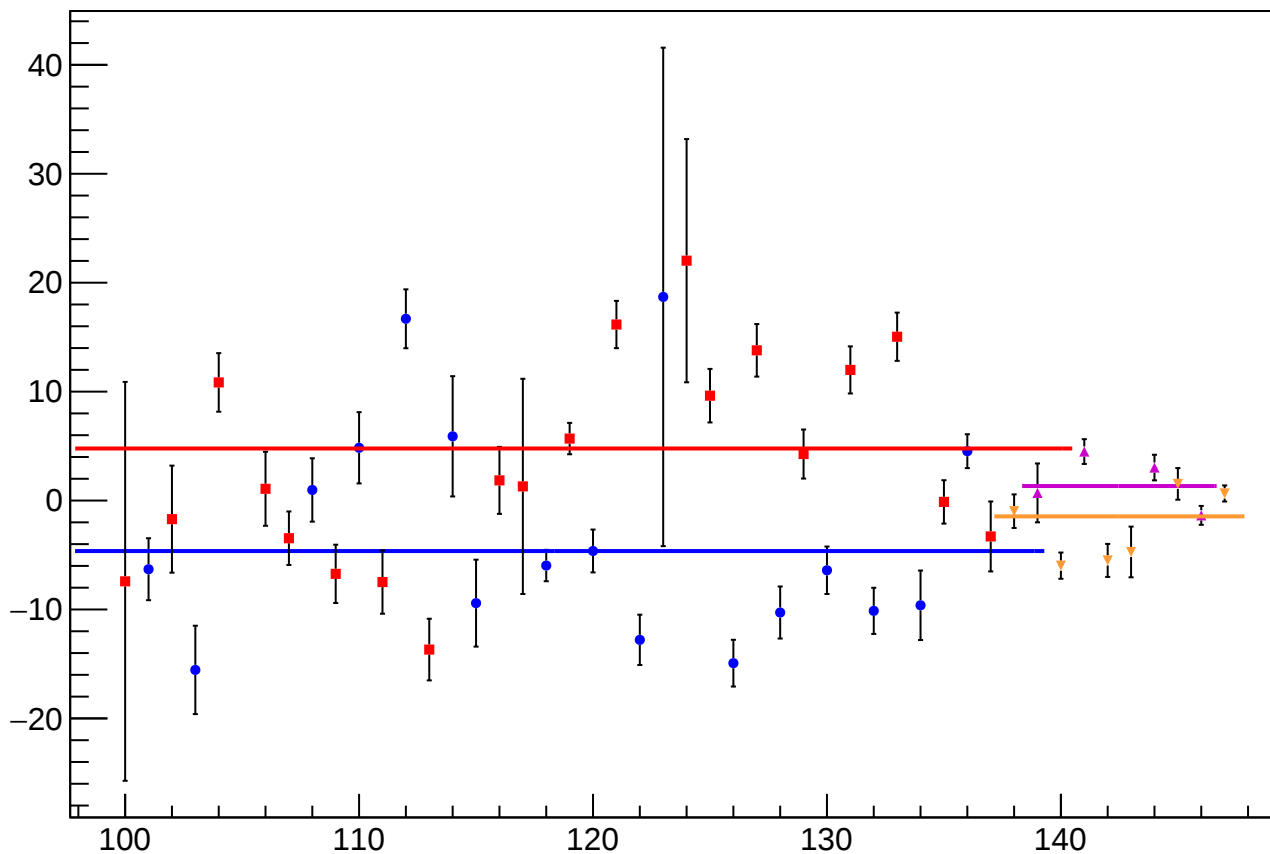
Left In: -30.940+/-0.776 χ^2/NDF : 66.7/3

29.305+/-0.712 χ^2/NDF : 1256.5/5

1.757+/-0.525 χ^2/NDF : 4592.8/9

-30.940+/-0.776 χ^2/NDF : 66.7/3

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.454 ± 0.497 χ^2/NDF : 35.7/5

Right Out: 4.779 ± 0.583 χ^2/NDF : 192.7/19

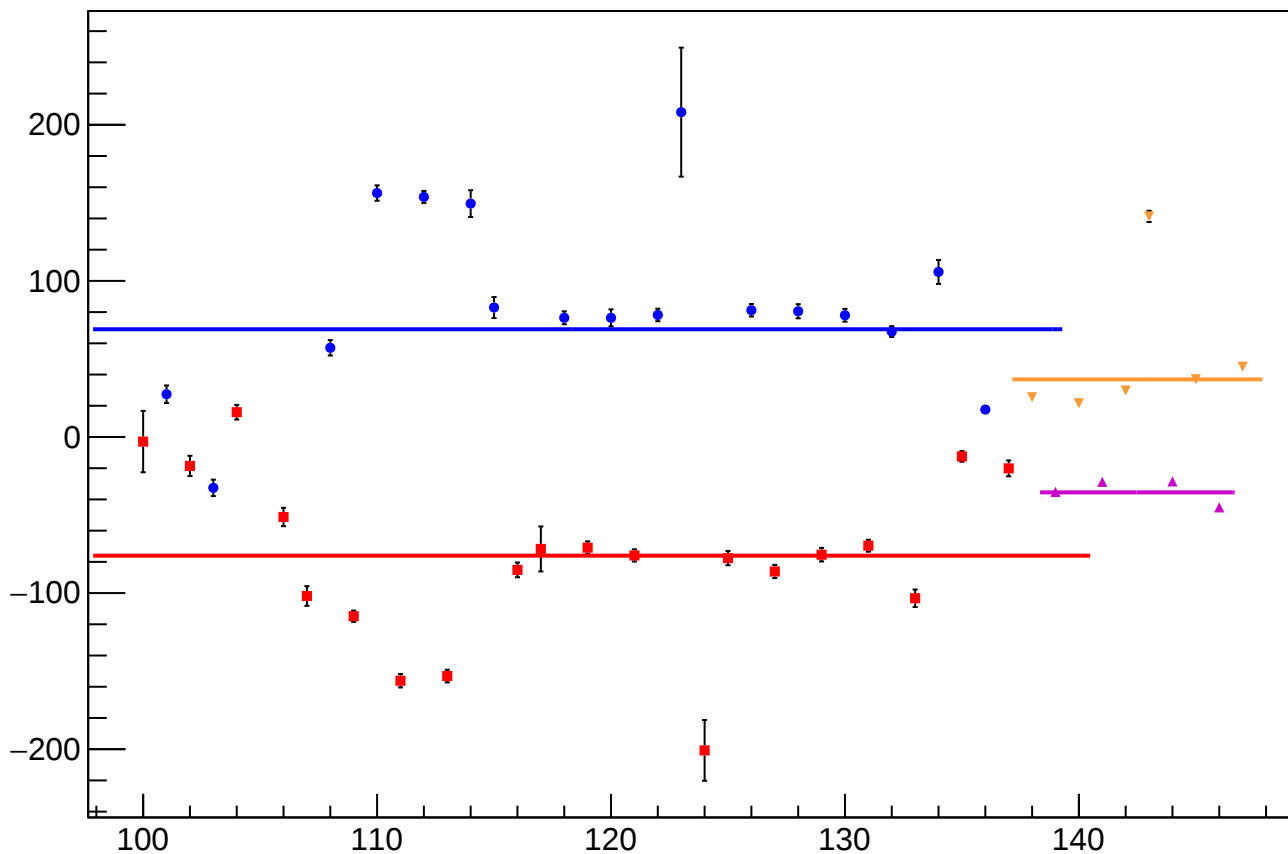
Left In: 1.333 ± 0.581 χ^2/NDF : 19.5/3

-2.782 ± 0.380 χ^2/NDF : 227.2/22

-0.102 ± 0.279 χ^2/NDF : 565.3/46

3.047 ± 0.412 χ^2/NDF : 229.7/23

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 36.896+/-0.737 χ^2/NDF : 1038.6/5

Right Out: -76.017+/-1.067 χ^2/NDF : 1882.0/19

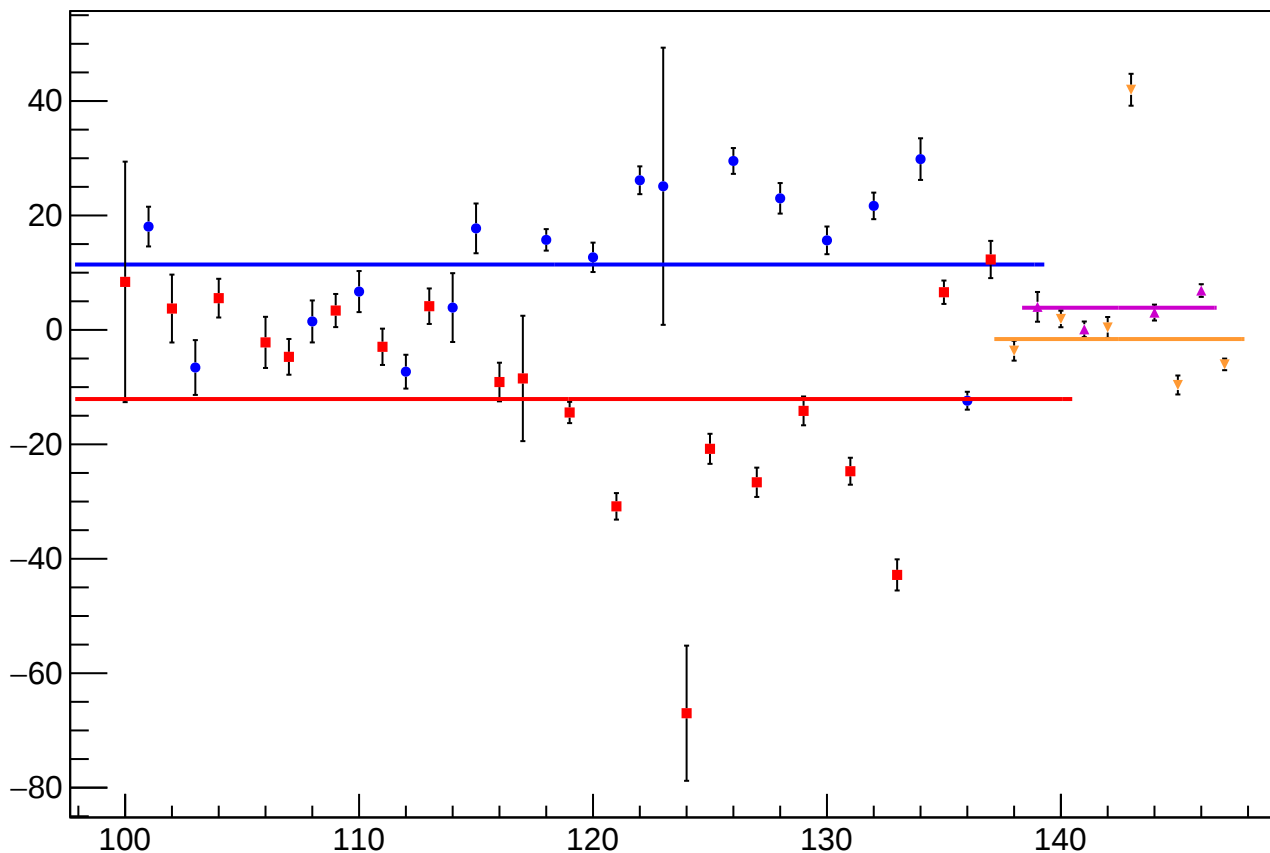
Left In: -35.489+/-0.805 χ^2/NDF : 77.5/3

47.054+/-0.609 χ^2/NDF : 3487.8/22

1.012+/-0.442 χ^2/NDF : 18427.7/46

-50.185+/-0.642 χ^2/NDF : 2879.2/23

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 $\chi^2/\text{NDF}: 476.8/16$

Left Out: -1.598 ± 0.624 $\chi^2/\text{NDF}: 295.3/5$

Right Out: -12.082 ± 0.663 $\chi^2/\text{NDF}: 539.2/19$

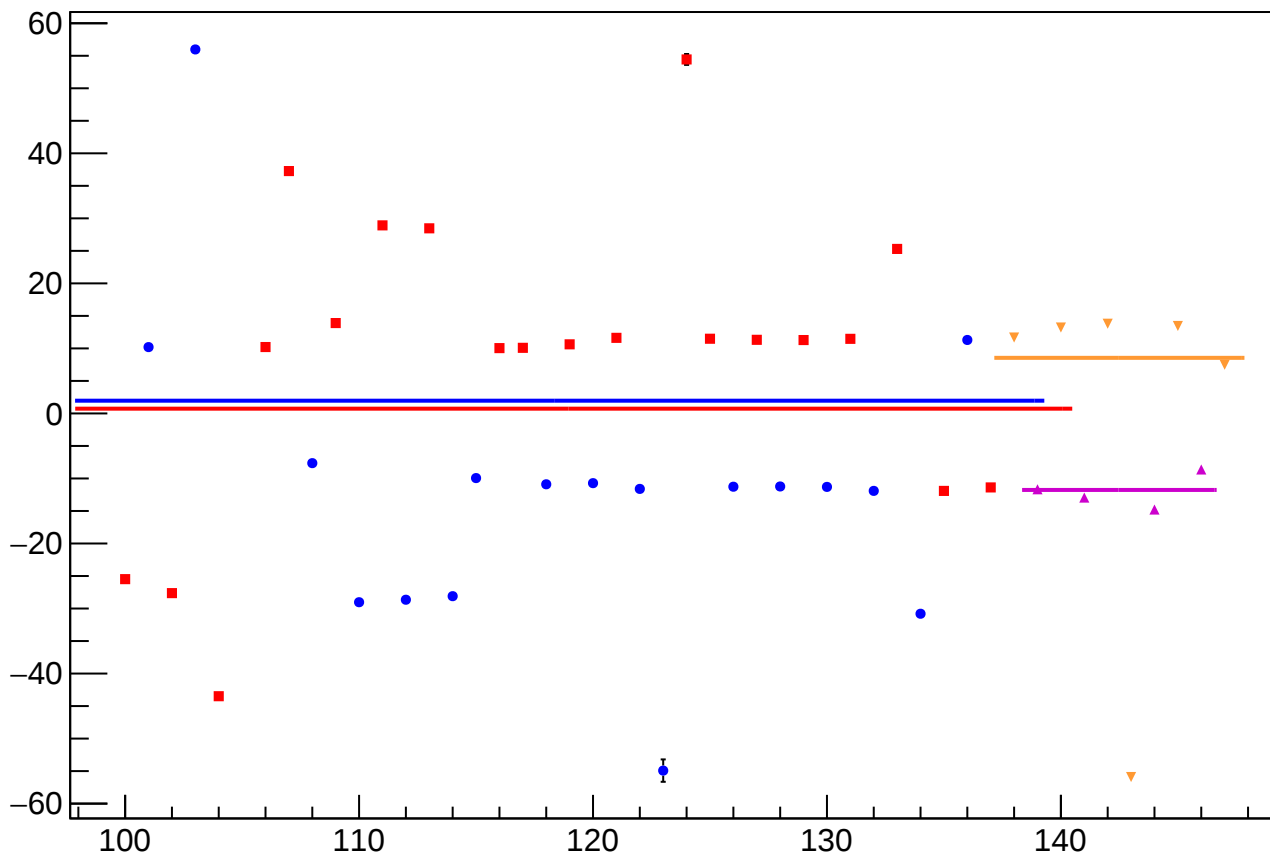
Left In: 3.875 ± 0.705 $\chi^2/\text{NDF}: 15.3/3$

4.493 ± 0.455 $\chi^2/\text{NDF}: 976.1/22$

0.218 ± 0.331 $\chi^2/\text{NDF}: 1990.3/46$

-4.594 ± 0.483 $\chi^2/\text{NDF}: 826.6/23$

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 8.550 ± 0.031 χ^2/NDF : 217059.9/5

Right Out: 0.733 ± 0.037 χ^2/NDF : 361368.4/19

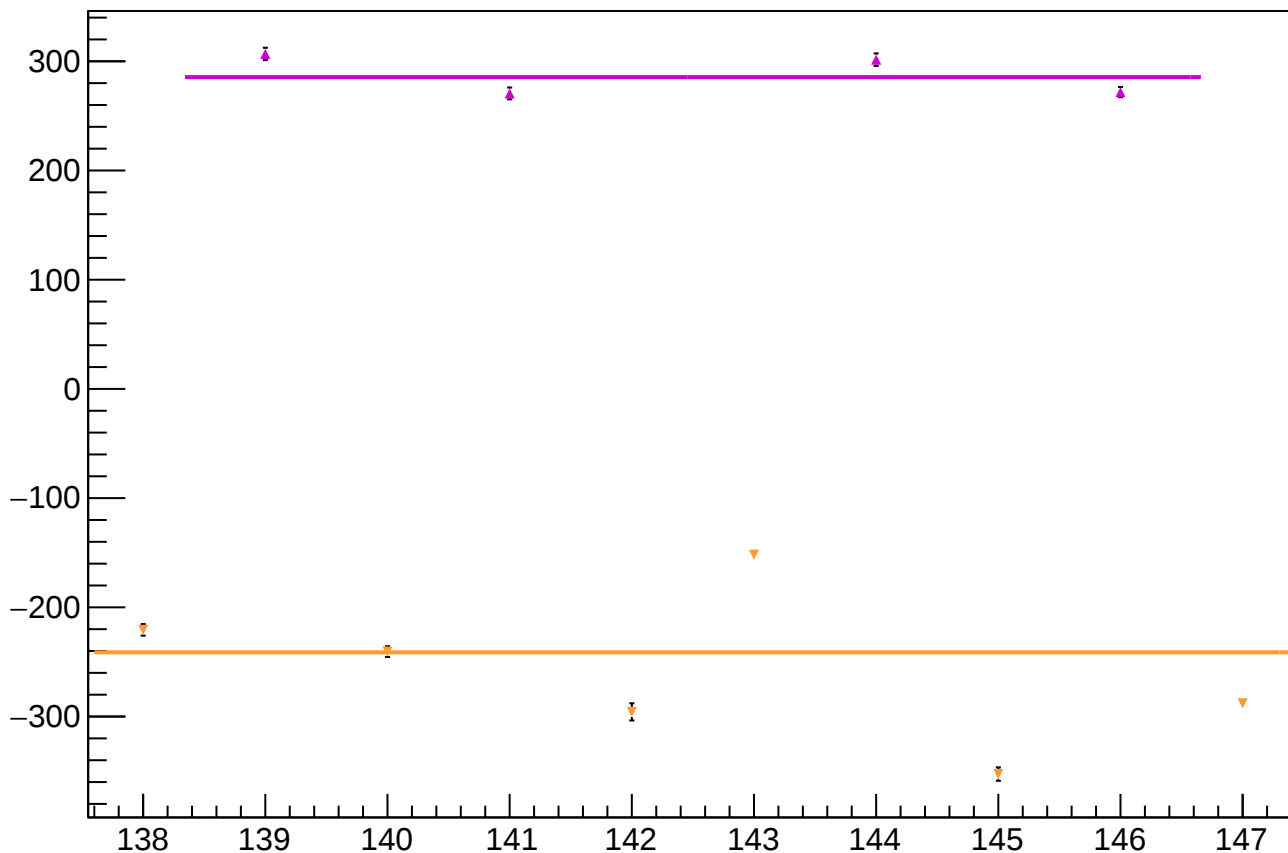
Left In: -11.765 ± 0.033 χ^2/NDF : 4142.0/3

5.859 ± 0.024 χ^2/NDF : 594138.2/22

0.025 ± 0.017 χ^2/NDF : 1148580.5/46

-6.251 ± 0.025 χ^2/NDF : 429054.5/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -241.208+/-2.074 χ^2/NDF : 992.6/5

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

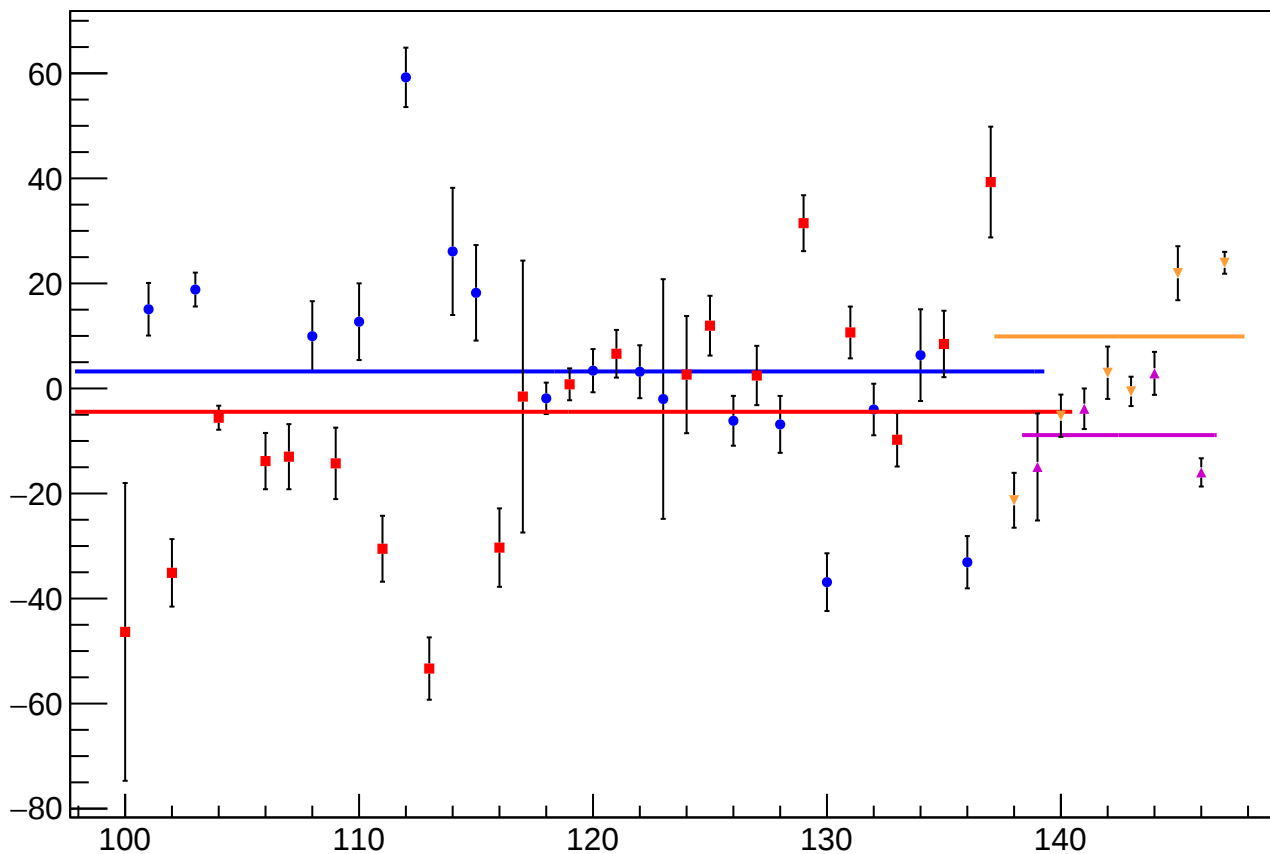
Left In: 285.513+/-2.664 χ^2/NDF : 37.9/3

-241.208+/-2.074 χ^2/NDF : 992.6/5

-42.373+/-1.636 χ^2/NDF : 25374.5/9

285.513+/-2.664 χ^2/NDF : 37.9/3

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 9.902 ± 1.367 χ^2/NDF : 116.4/5

Right Out: -4.444 ± 1.156 χ^2/NDF : 225.8/19

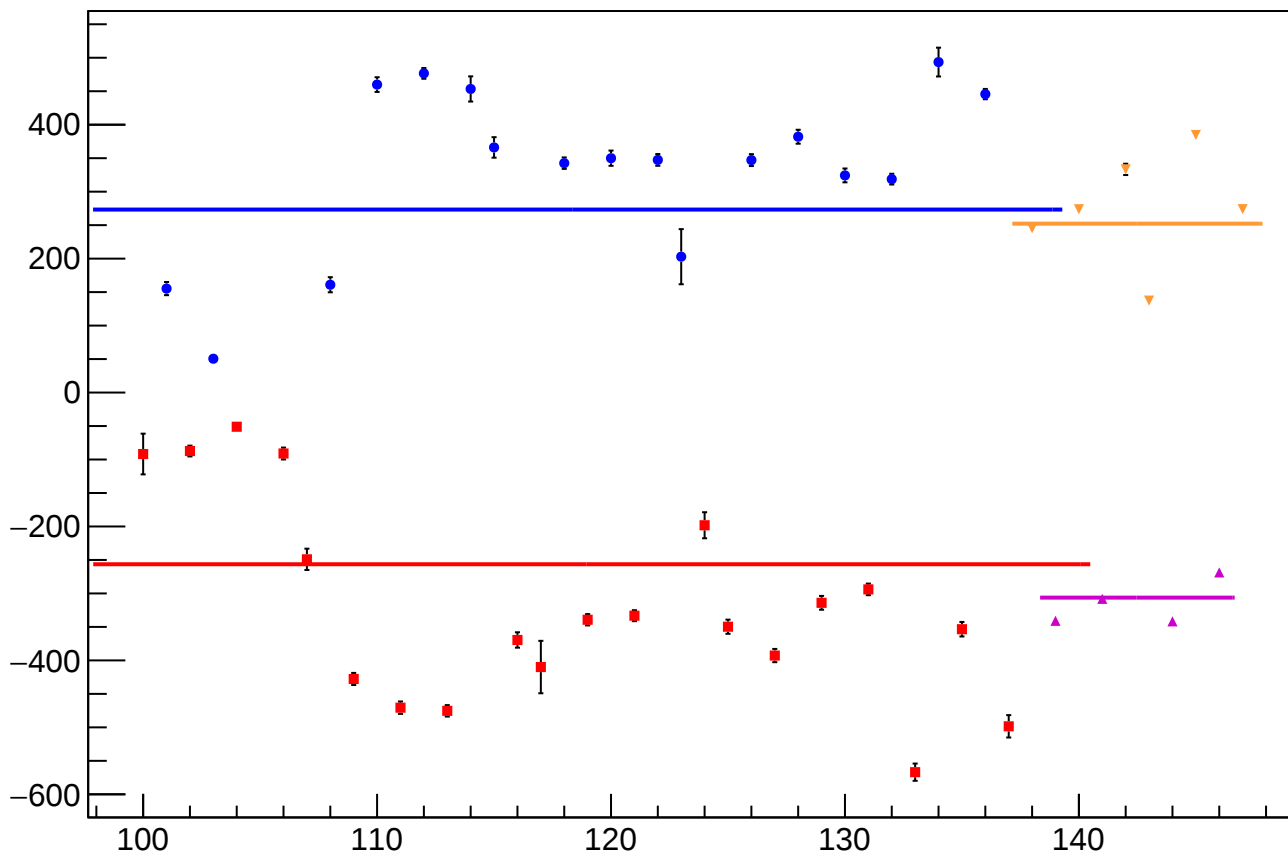
Left In: -8.883 ± 1.909 χ^2/NDF : 17.3/3

6.255 ± 0.920 χ^2/NDF : 384.7/22

0.738 ± 0.674 χ^2/NDF : 709.2/46

-5.635 ± 0.989 χ^2/NDF : 247.0/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2/NDF : 5101.5/16

Left Out: 252.209 $\pm$ 2.142 χ^2/NDF :1268.9/5

Right Out: -256.418 $\pm$ 2.077 χ^2/NDF : 6453.9/19

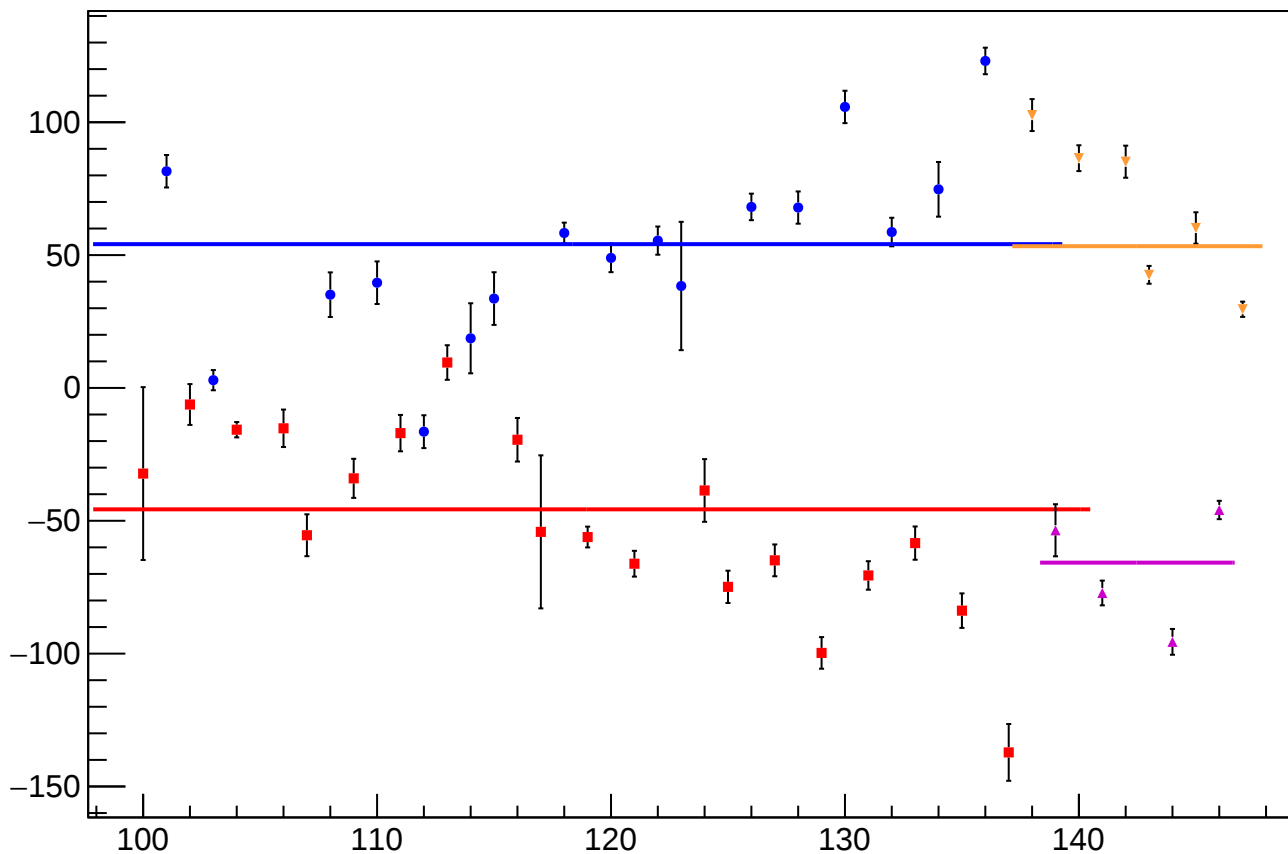
Left In: -306.258 $\pm$ 2.741 χ^2/NDF :136.1/3

262.439 $\pm$ 1.536 χ^2/NDF : 6417.4/22

13.917 $\pm$ 1.126 χ^2/NDF : 69763.2/46

-274.596 $\pm$ 1.655 χ^2/NDF : 6800.0/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 53.343+/-1.725 χ^2/NDF : 221.5/5

Right Out: -45.694+/-1.356 χ^2/NDF : 531.1/19

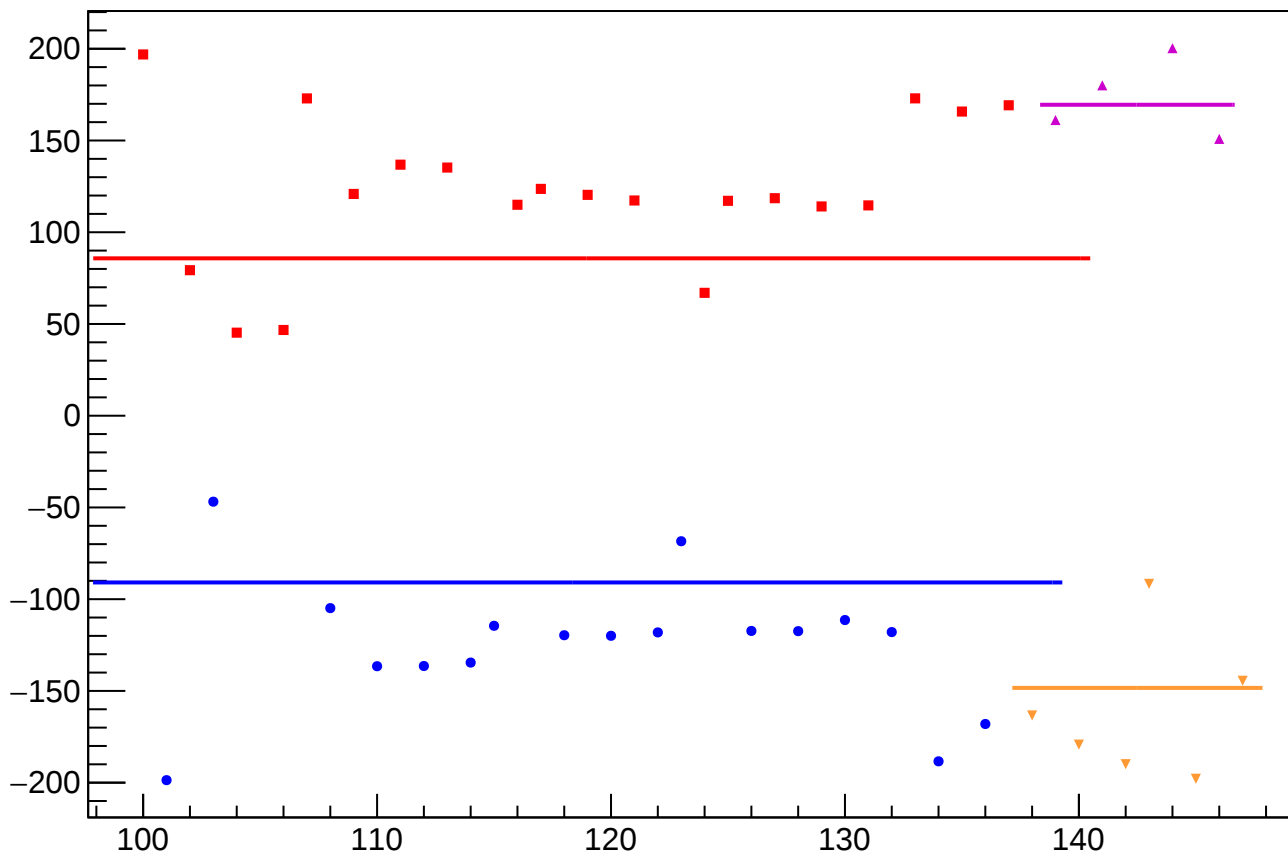
Left In: -65.755+/-2.338 χ^2/NDF : 78.2/3

53.801+/-1.104 χ^2/NDF : 855.6/22

4.665+/-0.804 χ^2/NDF : 5731.6/46

-50.741+/-1.173 χ^2/NDF : 664.4/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 $\pm$ 0.068 χ^2 /NDF: 533423.8/16

Left Out: -148.351 $\pm$ 0.090 χ^2 /NDF: 182972.2/5

Right Out: 85.772 $\pm$ 0.065 χ^2 /NDF: 494629.5/19

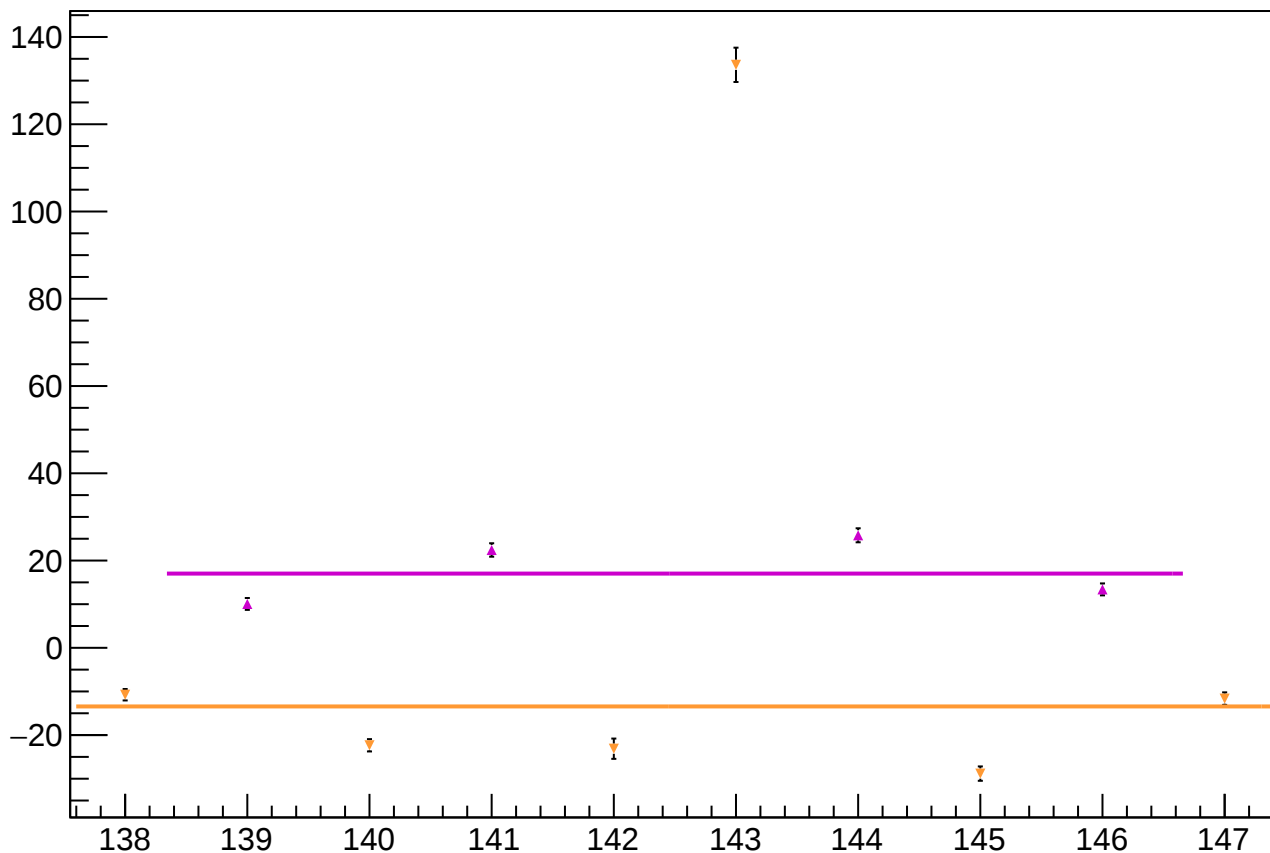
Left In: 169.479 $\pm$ 0.114 χ^2 /NDF: 24870.0/3

-111.561 $\pm$ 0.054 χ^2 /NDF: 975287.0/22

-7.033 $\pm$ 0.039 χ^2 /NDF: 9653942.6/46

106.362 $\pm$ 0.056 χ^2 /NDF: 927157.3/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -13.437 ± 0.676 χ^2/NDF : 1548.2/5

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

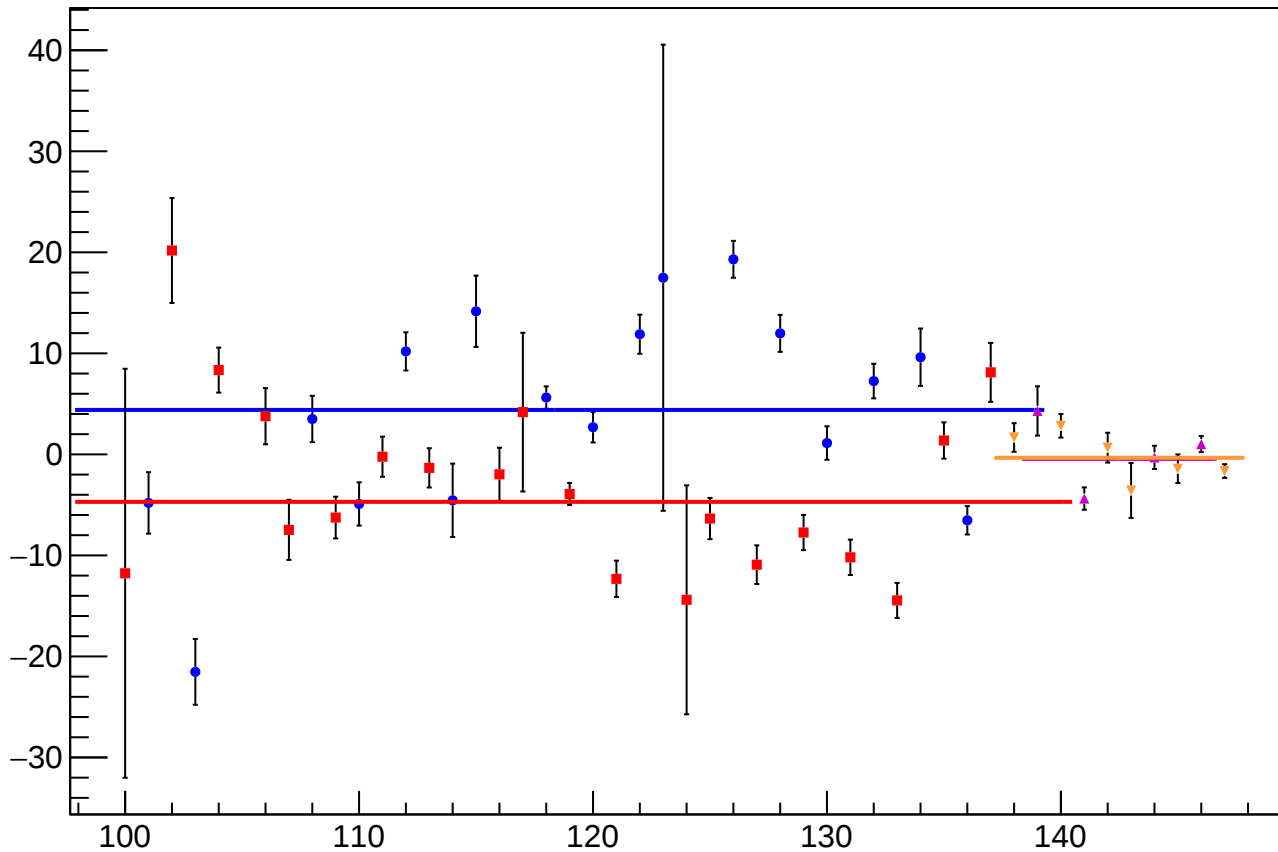
Left In: 17.013 ± 0.729 χ^2/NDF : 75.2/3

-13.437 ± 0.676 χ^2/NDF : 1548.2/5

0.642 ± 0.496 χ^2/NDF : 2560.8/9

17.013 ± 0.729 χ^2/NDF : 75.2/3

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 $\pm$ 0.471 χ^2/NDF : 286.8/16

Left Out: -0.339 $\pm$ 0.473 χ^2/NDF : 15.6/5

Right Out: -4.700 $\pm$ 0.472 χ^2/NDF : 184.2/19

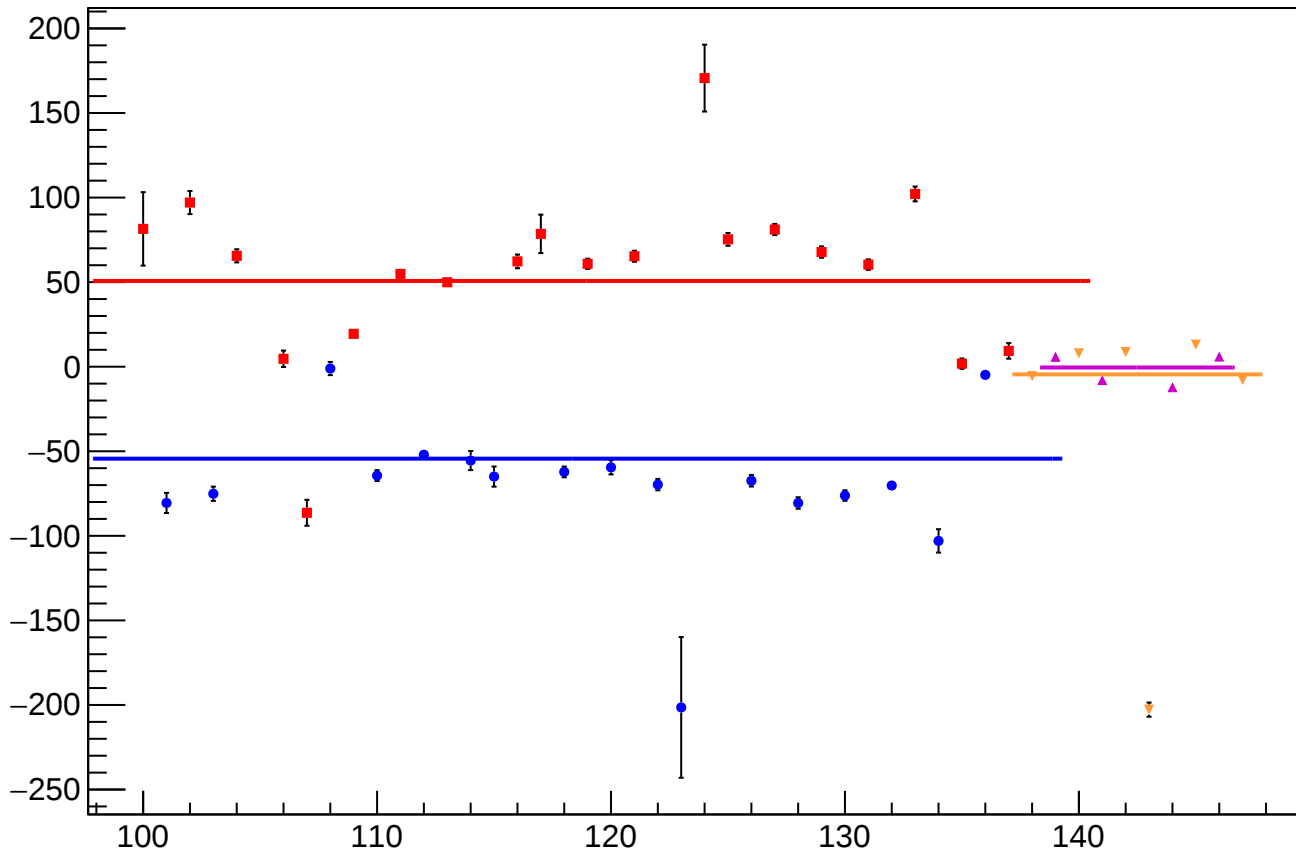
Left In: -0.452 $\pm$ 0.550 χ^2/NDF : 19.8/3

2.038 $\pm$ 0.334 χ^2/NDF : 352.8/22

-0.254 $\pm$ 0.244 χ^2/NDF : 692.7/46

-2.896 $\pm$ 0.358 χ^2/NDF : 238.3/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 +/- 0.868 χ^2/NDF : 1013.5/16

Left Out: -4.533 +/- 0.698 χ^2/NDF : 2437.5/5

Right Out: 50.712 +/- 0.855 χ^2/NDF : 1327.3/19

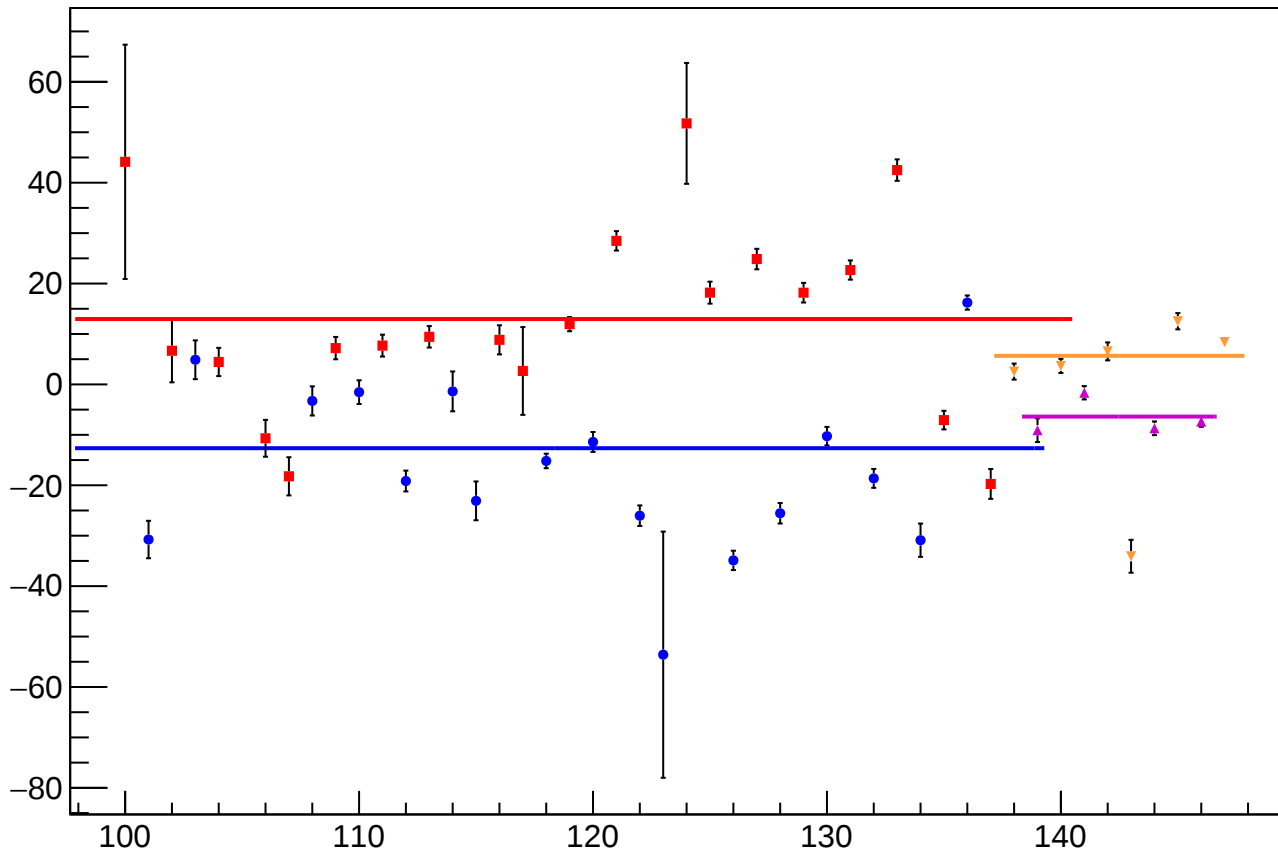
Left In: -0.471 +/- 0.755 χ^2/NDF : 109.0/3

-24.110 +/- 0.544 χ^2/NDF : 5451.0/22

-1.982 +/- 0.392 χ^2/NDF : 12342.3/46

21.966 +/- 0.566 χ^2/NDF : 3448.6/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 5.667 ± 0.594 χ^2/NDF : 180.9/5

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

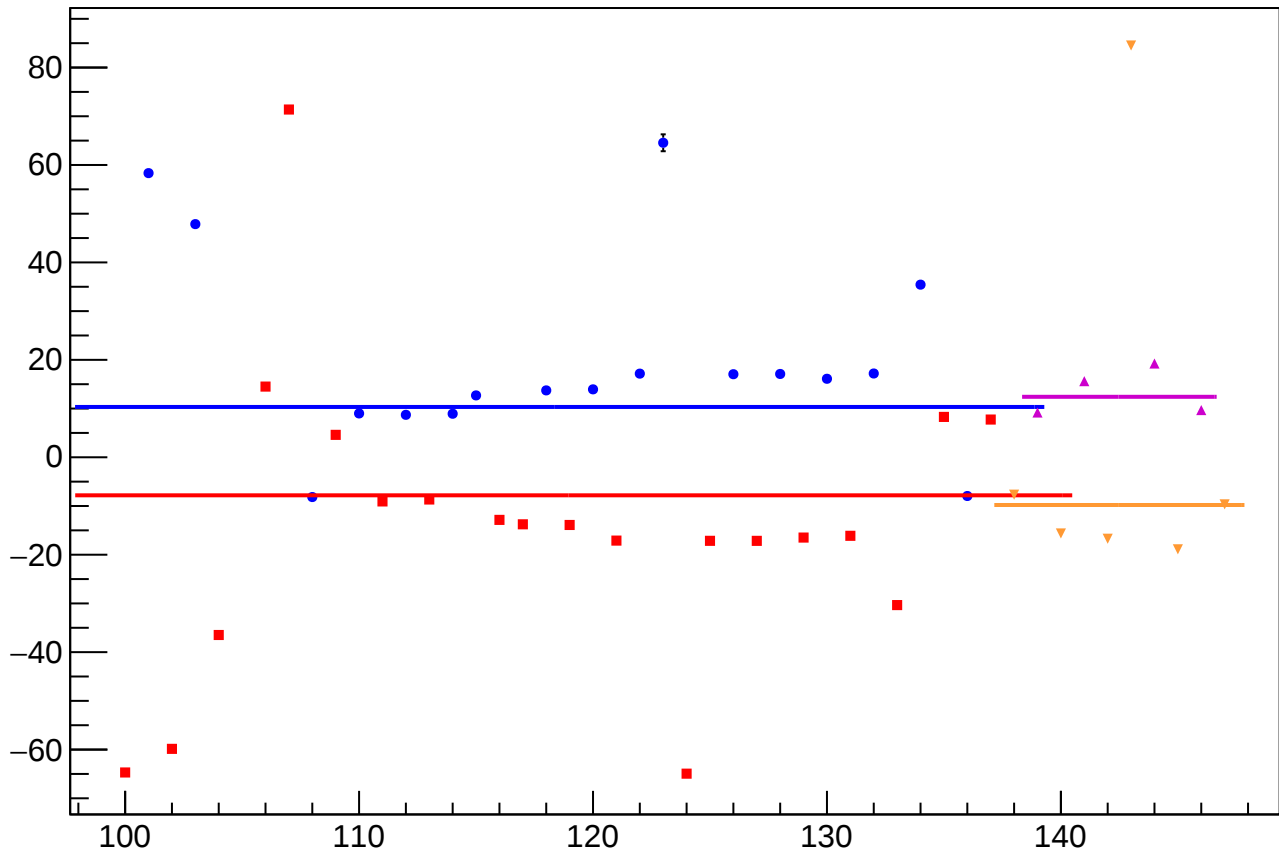
Left In: -6.378 ± 0.667 χ^2/NDF : 17.9/3

-4.425 ± 0.398 χ^2/NDF : 1493.0/22

0.233 ± 0.288 χ^2/NDF : 3032.0/46

5.372 ± 0.418 χ^2/NDF : 1251.1/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 +/- 0.031 χ^2/NDF : 380857.1/16

Left Out: -9.795 +/- 0.029 χ^2/NDF : 346298.6/5

Right Out: -7.808 +/- 0.031 χ^2/NDF : 544249.7/19

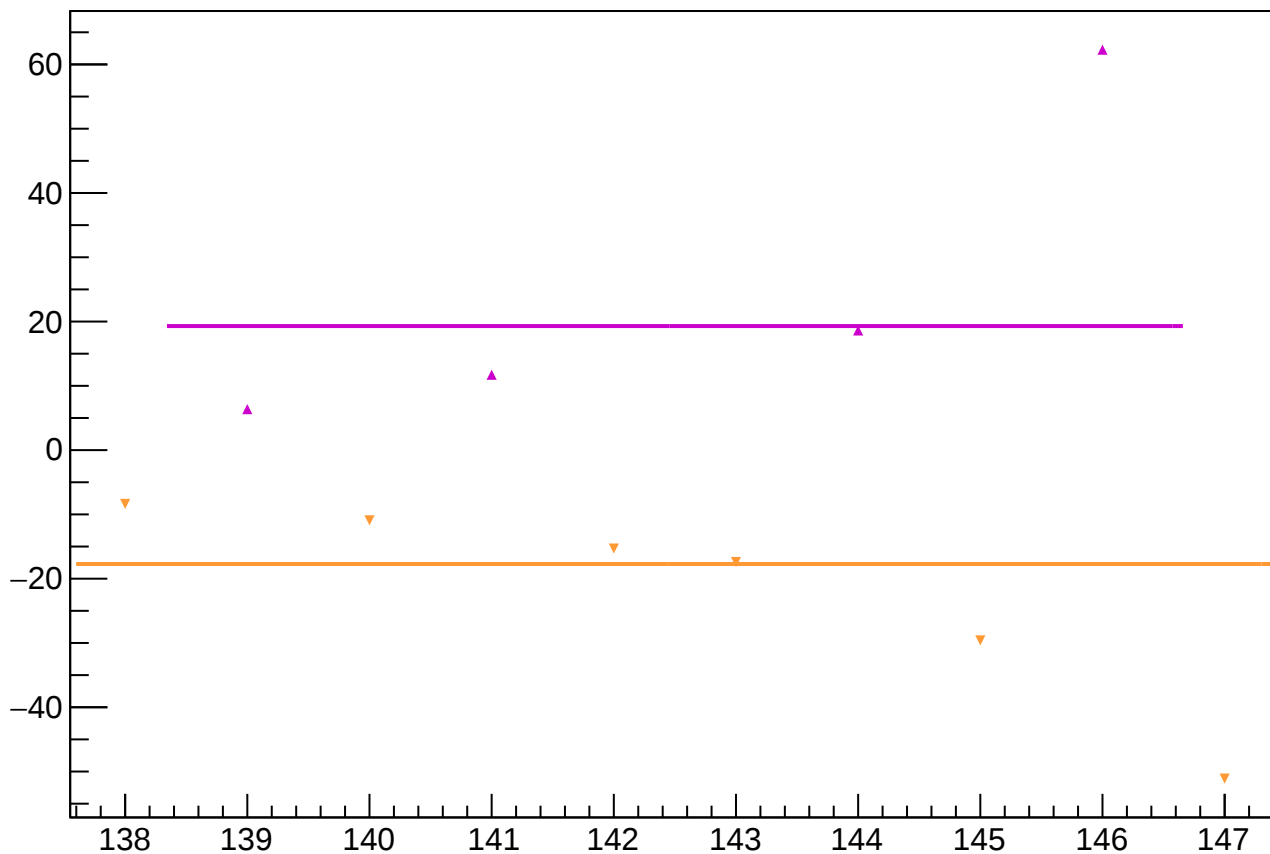
Left In: 12.415 +/- 0.031 χ^2/NDF : 16537.9/3

-0.213 +/- 0.021 χ^2/NDF : 952630.3/22

1.070 +/- 0.015 χ^2/NDF : 1733411.3/46

2.448 +/- 0.022 χ^2/NDF : 773165.7/23

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.718+/-0.113 χ^2/NDF :13601.2/5

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

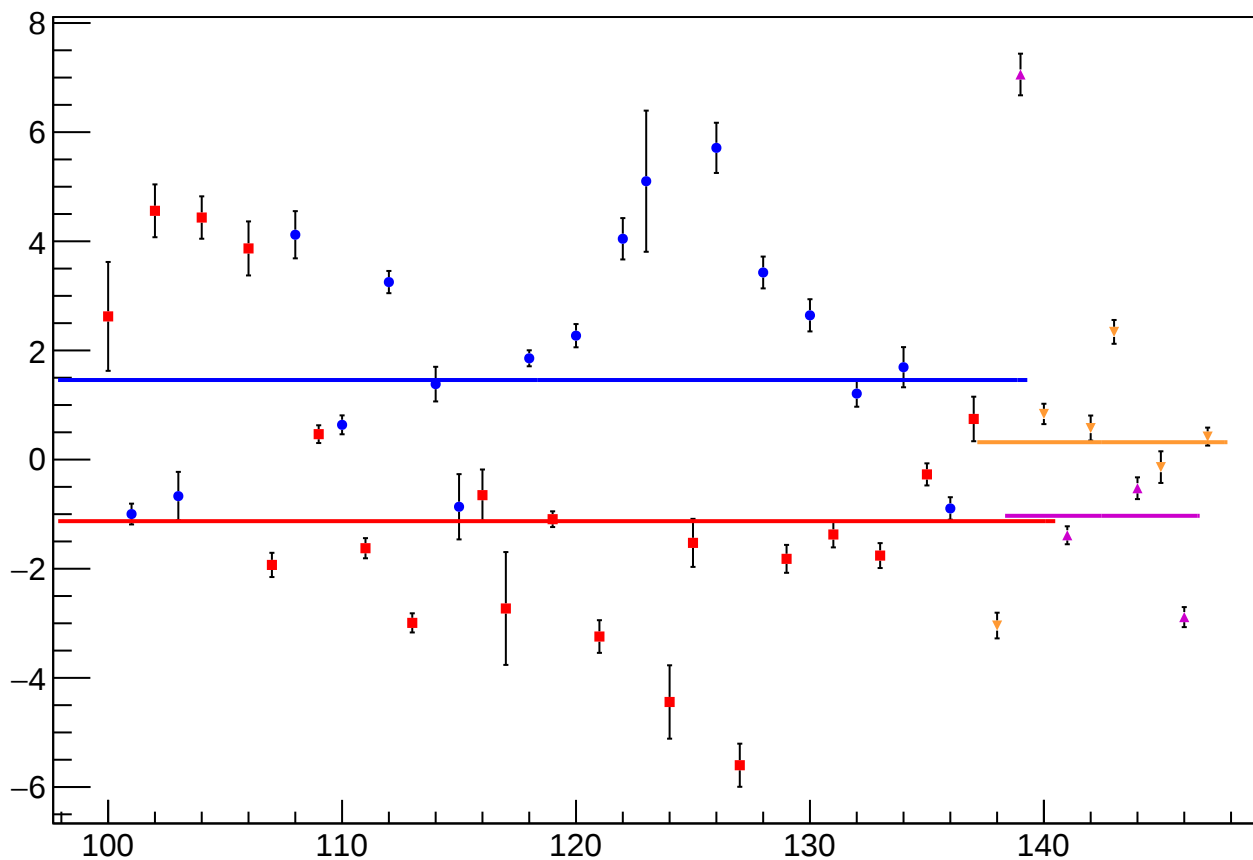
Left In: 19.297+/-0.125 χ^2/NDF :23537.8/3

-17.718+/-0.113 χ^2/NDF : 13601.2/5

-1.063+/-0.084 χ^2/NDF : 85335.2/9

19.297+/-0.125 χ^2/NDF : 23537.8/3

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: 0.319 $\pm$ 0.086 χ^2/NDF : 301.3/5

Right Out: -1.128 $\pm$ 0.058 χ^2/NDF : 949.8/19

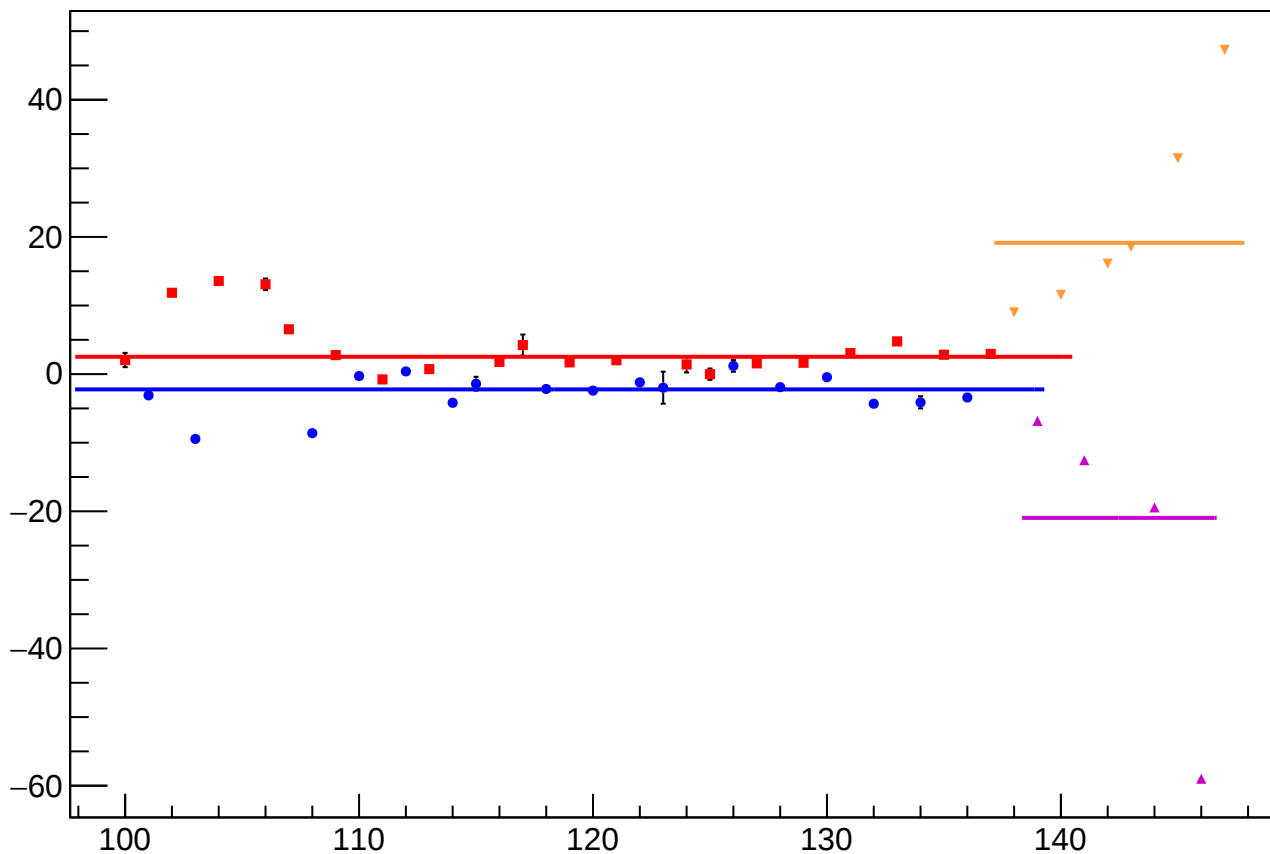
Left In: -1.030 $\pm$ 0.101 χ^2/NDF : 562.7/3

1.068 $\pm$ 0.050 χ^2/NDF : 1115.3/22

-0.017 $\pm$ 0.036 χ^2/NDF : 3562.5/46

-1.104 $\pm$ 0.050 χ^2/NDF : 1513.2/23

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 $\chi^2/\text{NDF}: 460.4/16$

Left Out: 19.139 ± 0.119 $\chi^2/\text{NDF}: 11919.7/5$

Right Out: 2.527 ± 0.099 $\chi^2/\text{NDF}: 905.2/19$

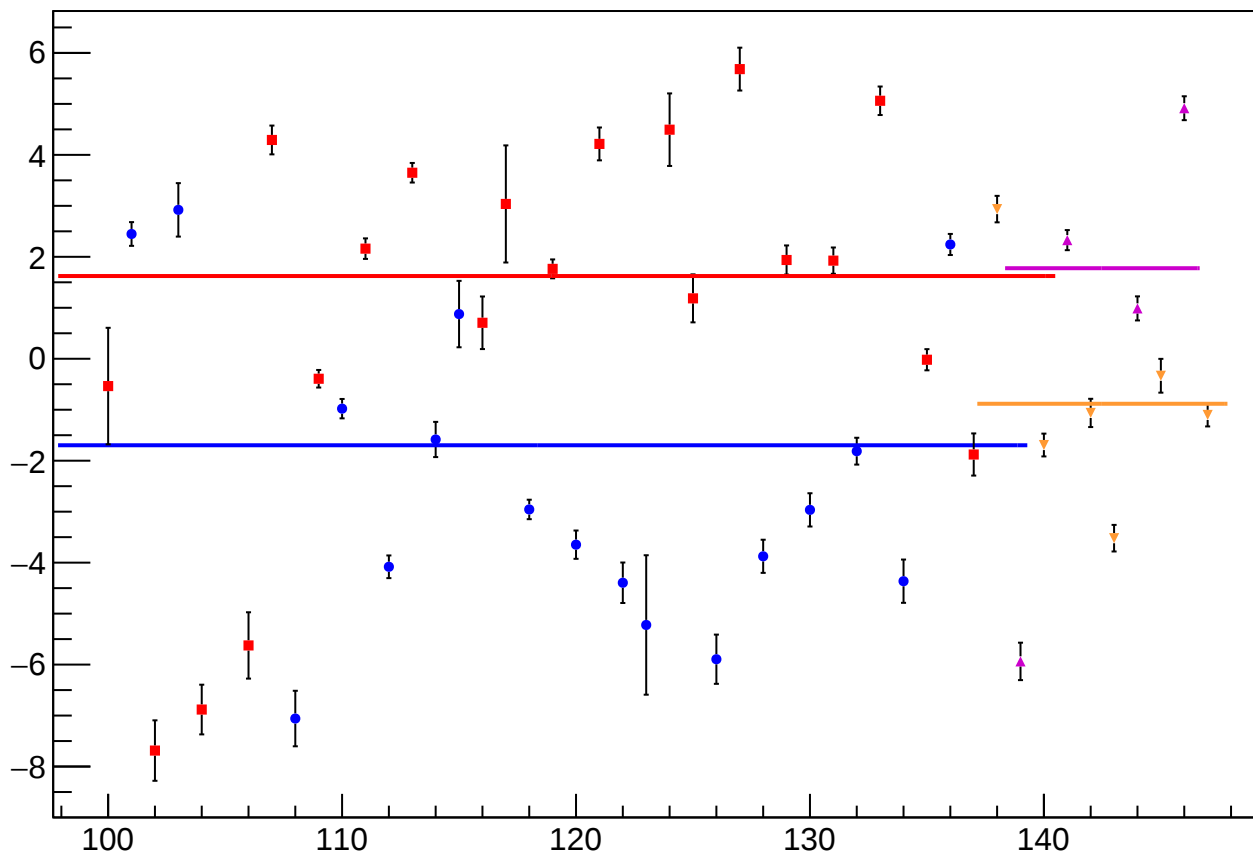
Left In: -20.957 ± 0.131 $\chi^2/\text{NDF}: 21038.3/3$

7.718 ± 0.081 $\chi^2/\text{NDF}: 29546.7/22$

0.683 ± 0.057 $\chi^2/\text{NDF}: 86415.1/46$

-5.946 ± 0.079 $\chi^2/\text{NDF}: 42340.6/23$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -0.883 ± 0.105 χ^2/NDF : 335.6/5

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

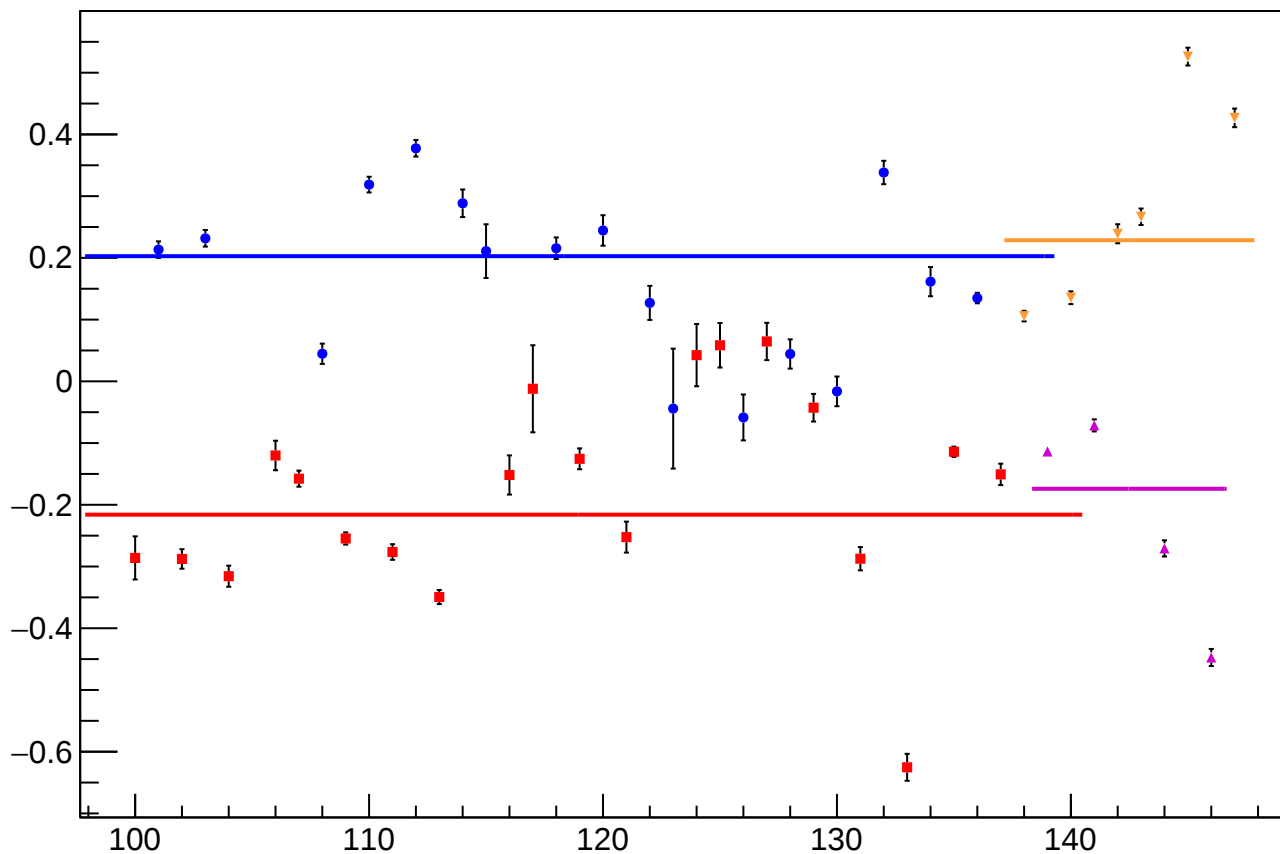
Left In: 1.776 ± 0.120 χ^2/NDF : 639.6/3

-1.440 ± 0.059 χ^2/NDF : 1696.4/22

0.143 ± 0.041 χ^2/NDF : 5245.7/46

1.658 ± 0.058 χ^2/NDF : 2131.6/23

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.229 ± 0.005 χ^2/NDF : 893.8/5

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

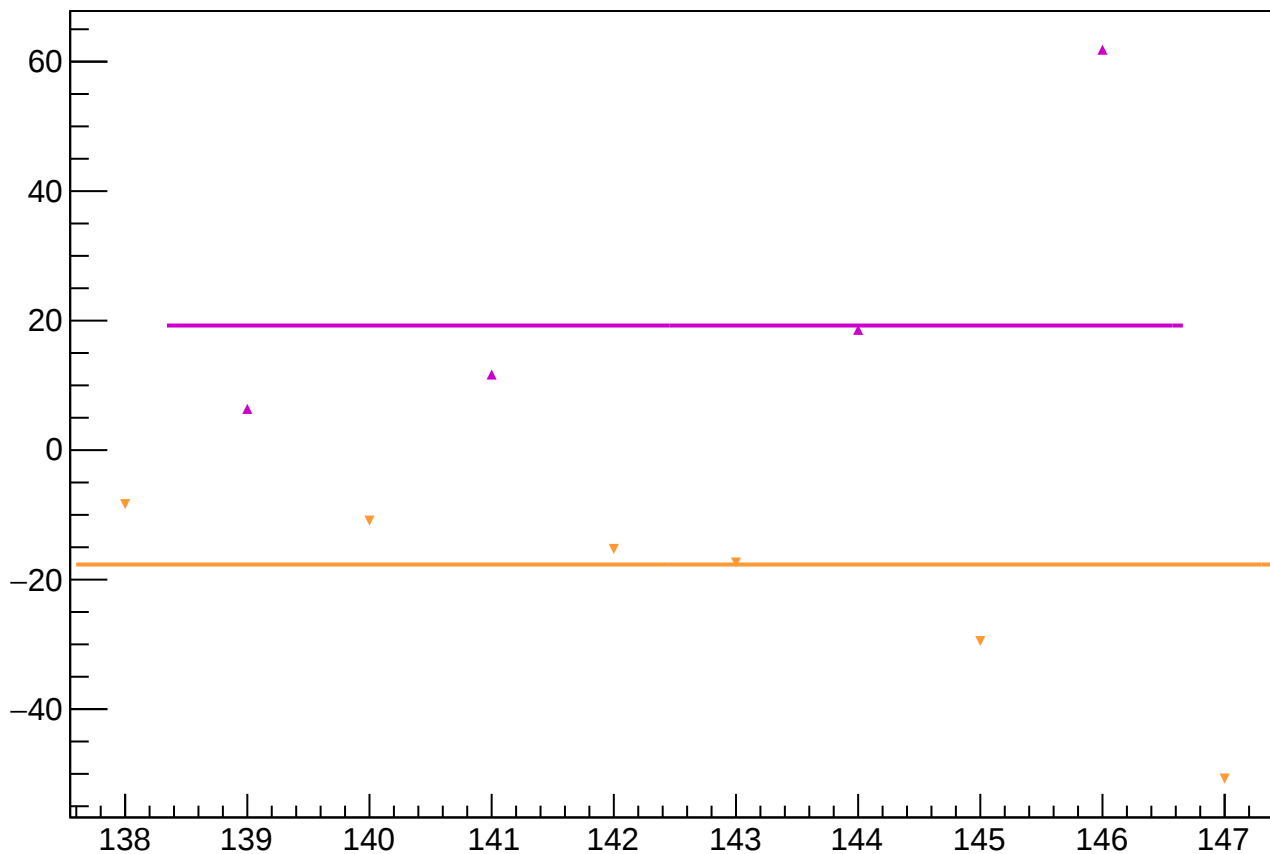
Left In: -0.174 ± 0.005 χ^2/NDF : 611.0/3

0.214 ± 0.003 χ^2/NDF : 1586.6/22

-0.004 ± 0.002 χ^2/NDF : 12365.4/46

-0.202 ± 0.003 χ^2/NDF : 1727.0/23

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.666+/-0.113 χ^2/NDF : 13576.8/5

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

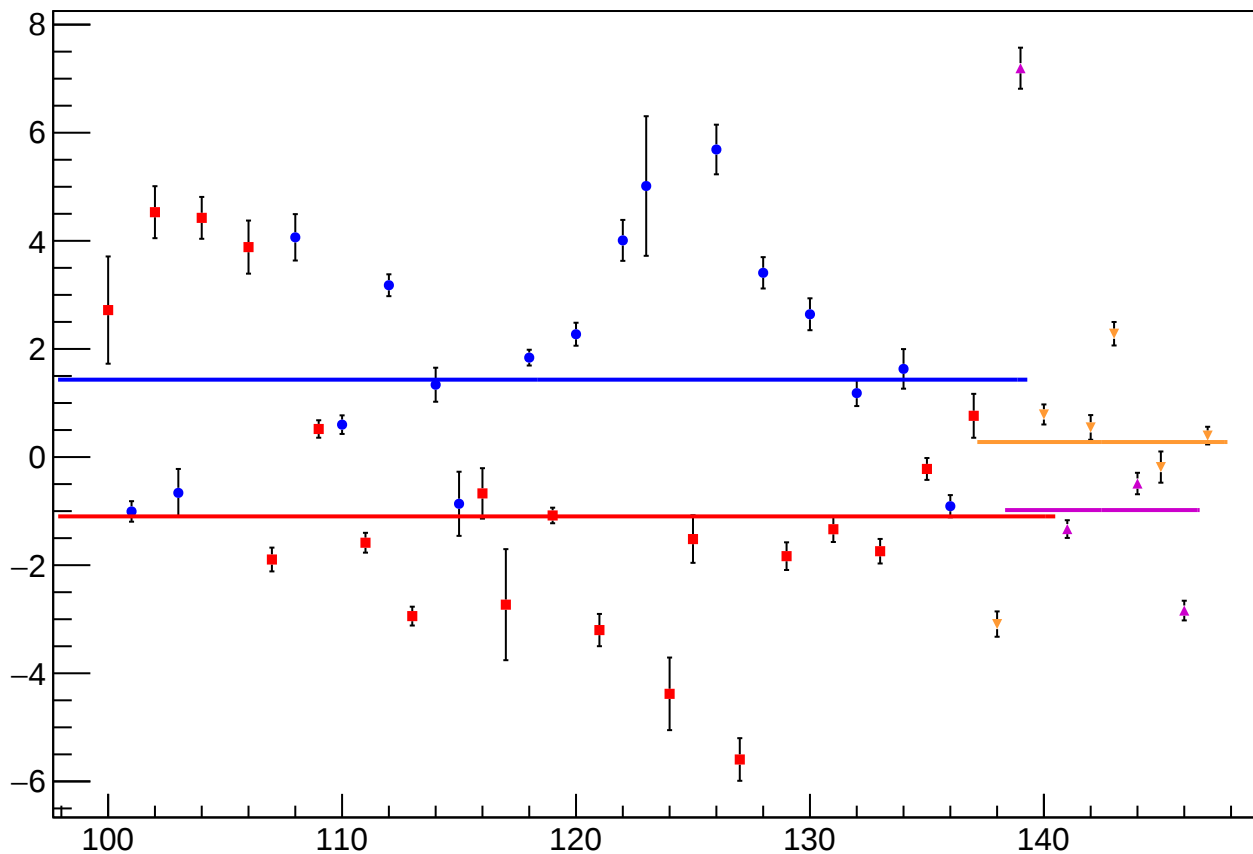
Left In: 19.245+/-0.124 χ^2/NDF : 23484.5/3

-17.666+/-0.113 χ^2/NDF : 13576.8/5

-1.058+/-0.083 χ^2/NDF : 85454.5/9

19.245+/-0.124 χ^2/NDF : 23484.5/3

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 0.278 ± 0.085 χ^2/NDF : 303.5/5

Right Out: -1.098 ± 0.058 χ^2/NDF : 955.7/19

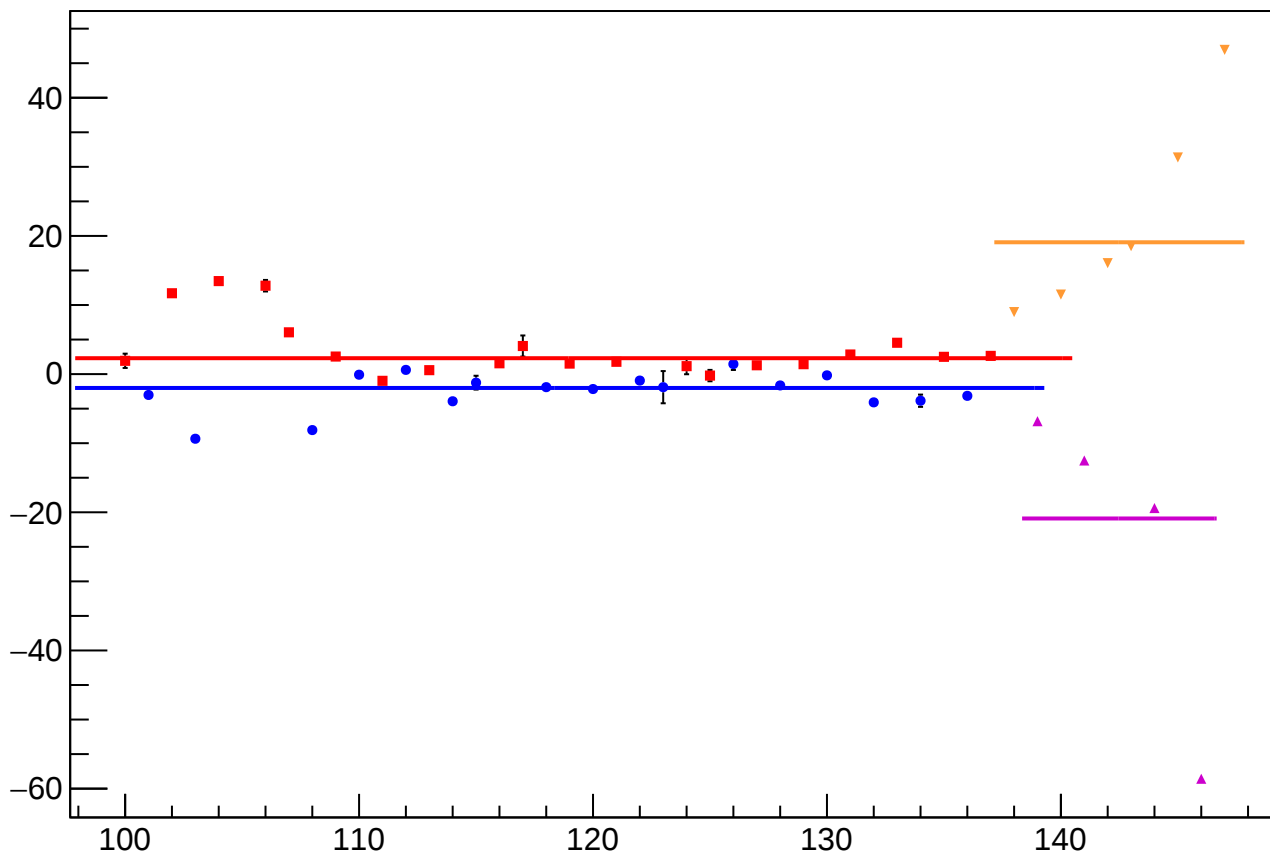
Left In: -0.980 ± 0.100 χ^2/NDF : 577.9/3

1.037 ± 0.050 χ^2/NDF : 1120.0/22

-0.015 ± 0.035 χ^2/NDF : 3540.2/46

-1.068 ± 0.050 χ^2/NDF : 1534.6/23

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 19.081 ± 0.119 χ^2/NDF : 11891.8/5

Right Out: 2.302 ± 0.098 χ^2/NDF : 908.6/19

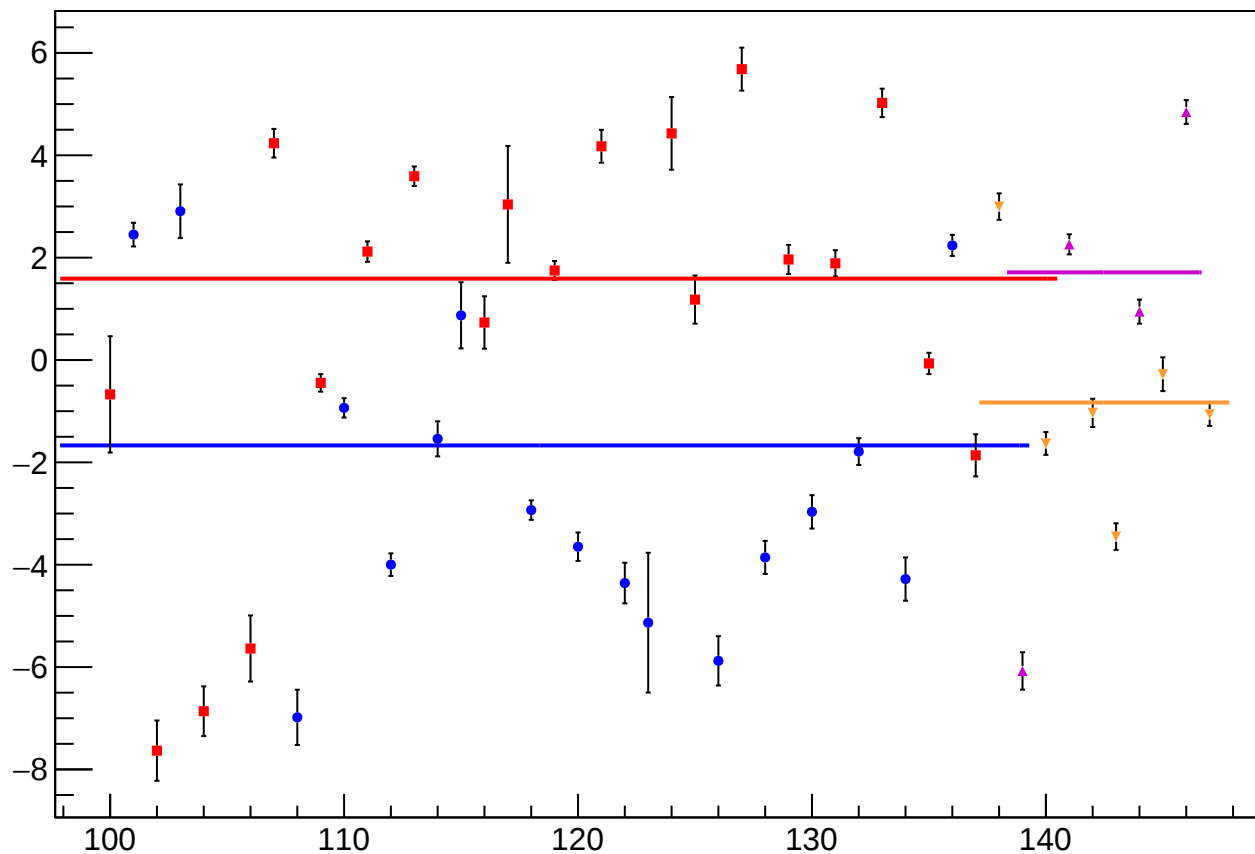
Left In: -20.897 ± 0.131 χ^2/NDF : 20980.1/3

7.811 ± 0.081 χ^2/NDF : 29239.8/22

0.665 ± 0.056 χ^2/NDF : 86370.3/46

-6.065 ± 0.079 χ^2/NDF : 41997.0/23

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -0.831 ± 0.104 χ^2/NDF : 338.3/5

Right Out: 1.590 ± 0.065 χ^2/NDF : 1496.3/19

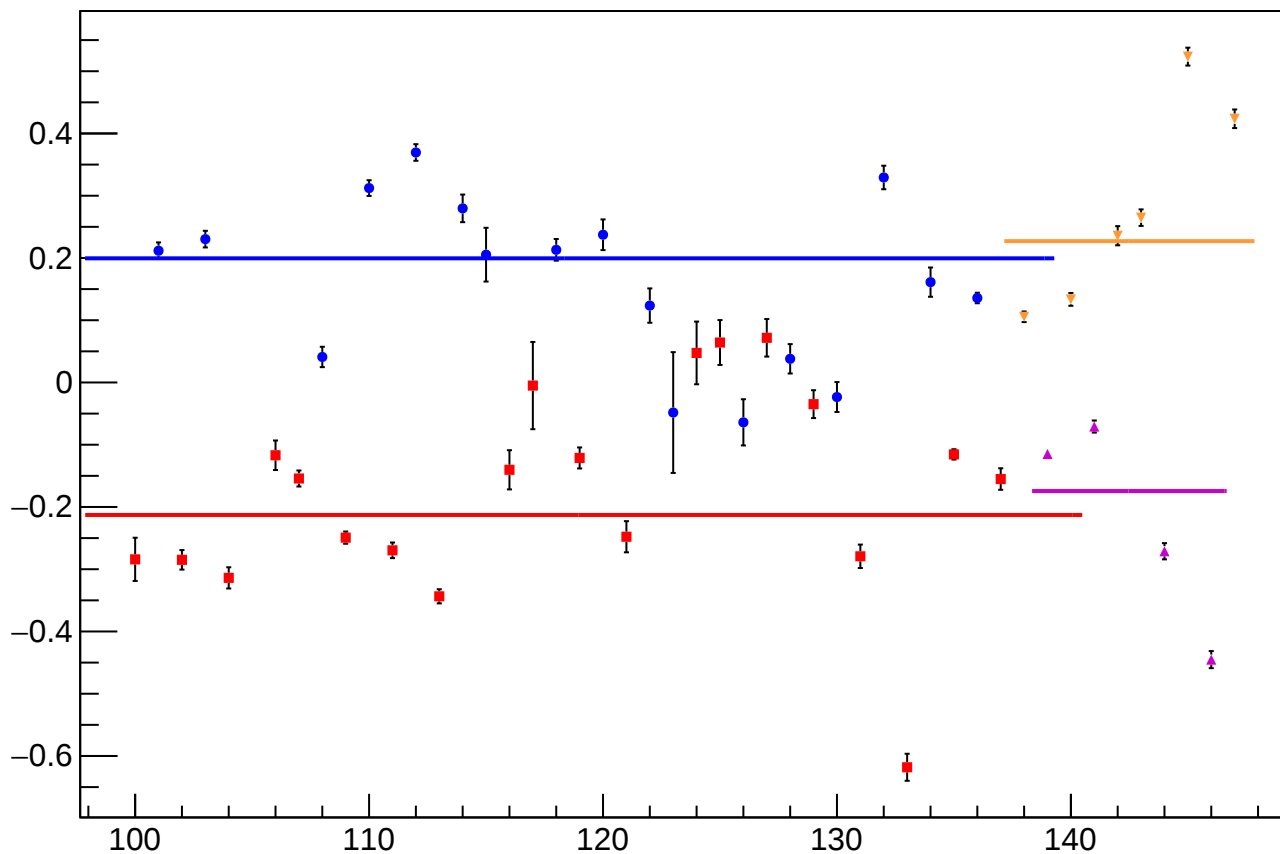
Left In: 1.712 ± 0.120 χ^2/NDF : 653.7/3

-1.404 ± 0.059 χ^2/NDF : 1697.5/22

0.140 ± 0.041 χ^2/NDF : 5210.3/46

1.618 ± 0.057 χ^2/NDF : 2150.8/23

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.227 ± 0.005 χ^2/NDF : 892.7/5

Right Out: -0.213 ± 0.004 χ^2/NDF : 1057.0/19

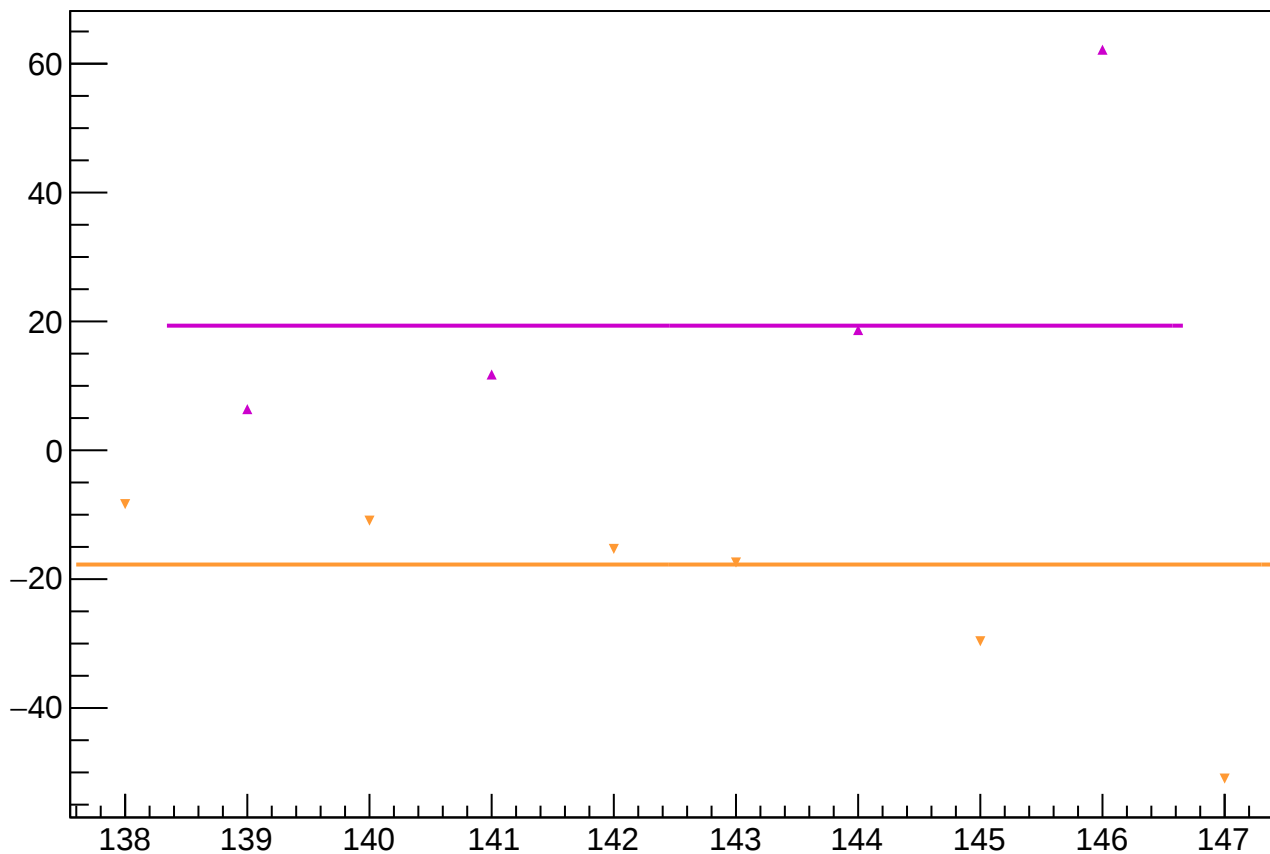
Left In: -0.174 ± 0.005 χ^2/NDF : 612.1/3

0.211 ± 0.003 χ^2/NDF : 1573.6/22

-0.004 ± 0.002 χ^2/NDF : 12220.0/46

-0.200 ± 0.003 χ^2/NDF : 1705.7/23

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.732+/-0.113 χ^2/NDF : 13582.7/5

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

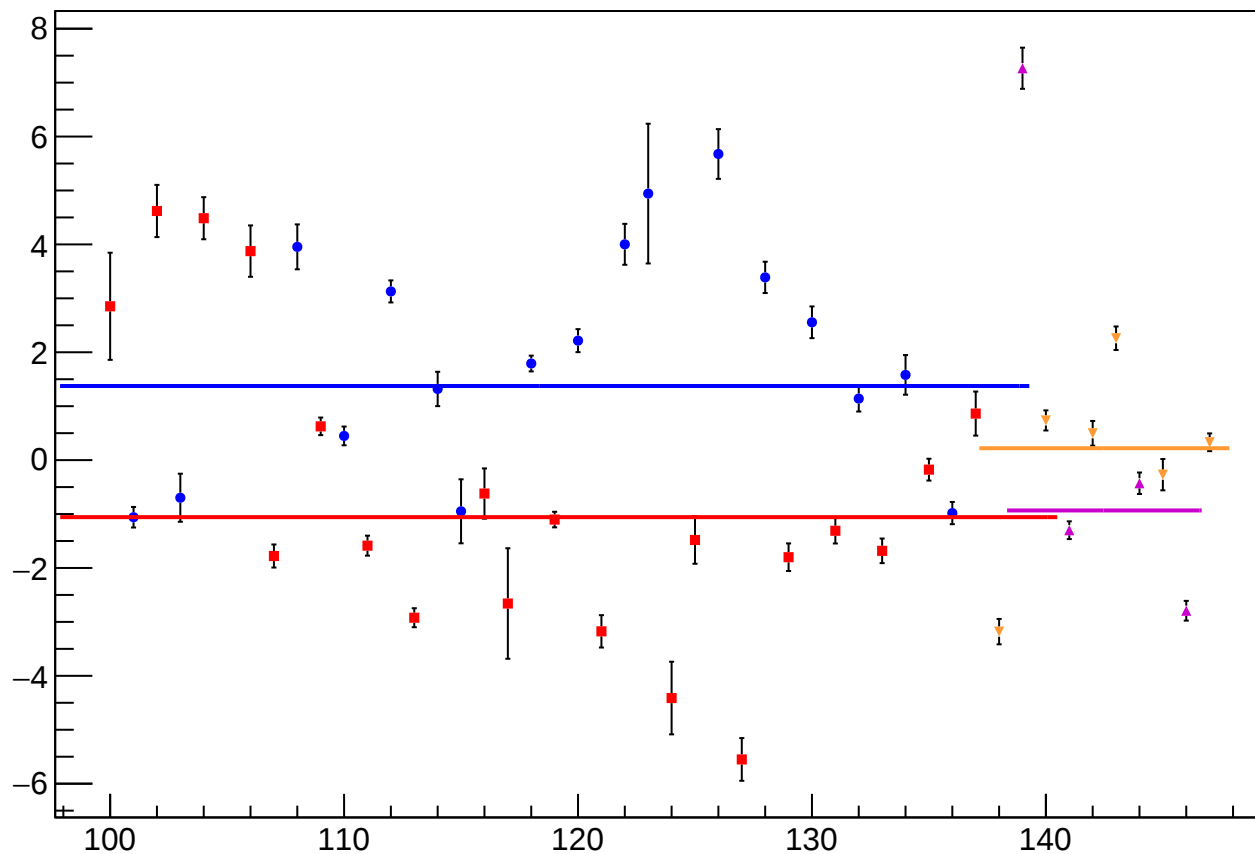
Left In: 19.342+/-0.125 χ^2/NDF : 23524.9/3

-17.732+/-0.113 χ^2/NDF : 13582.7/5

-1.046+/-0.084 χ^2/NDF : 85502.2/9

19.342+/-0.125 χ^2/NDF : 23524.9/3

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 0.220 ± 0.086 χ^2/NDF : 308.4/5

Right Out: -1.058 ± 0.058 χ^2/NDF : 966.5/19

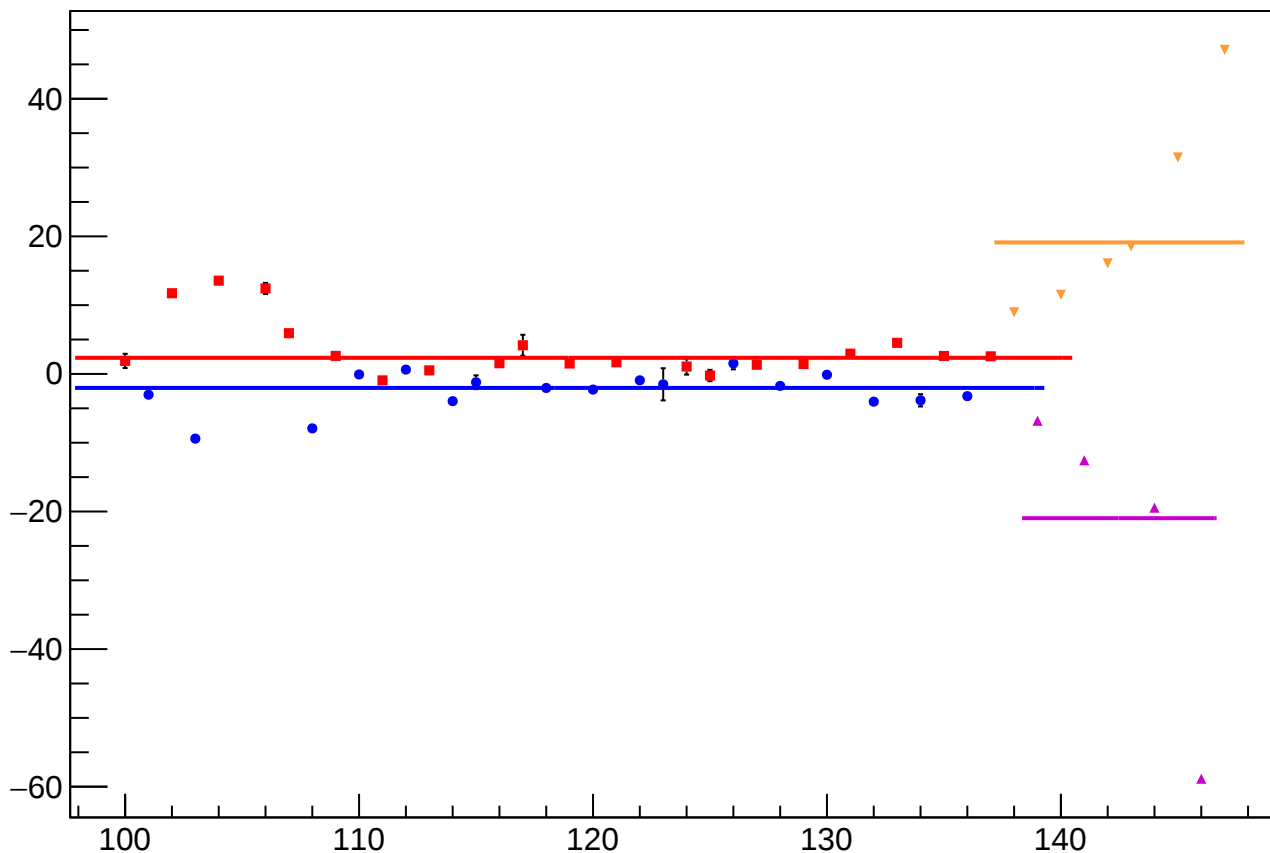
Left In: -0.933 ± 0.101 χ^2/NDF : 576.6/3

0.979 ± 0.050 χ^2/NDF : 1129.8/22

-0.025 ± 0.035 χ^2/NDF : 3472.3/46

-1.027 ± 0.050 χ^2/NDF : 1544.2/23

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 $\chi^2/\text{NDF}: 463.2/16$

Left Out: 19.118 ± 0.119 $\chi^2/\text{NDF}: 11899.6/5$

Right Out: 2.344 ± 0.099 $\chi^2/\text{NDF}: 903.4/19$

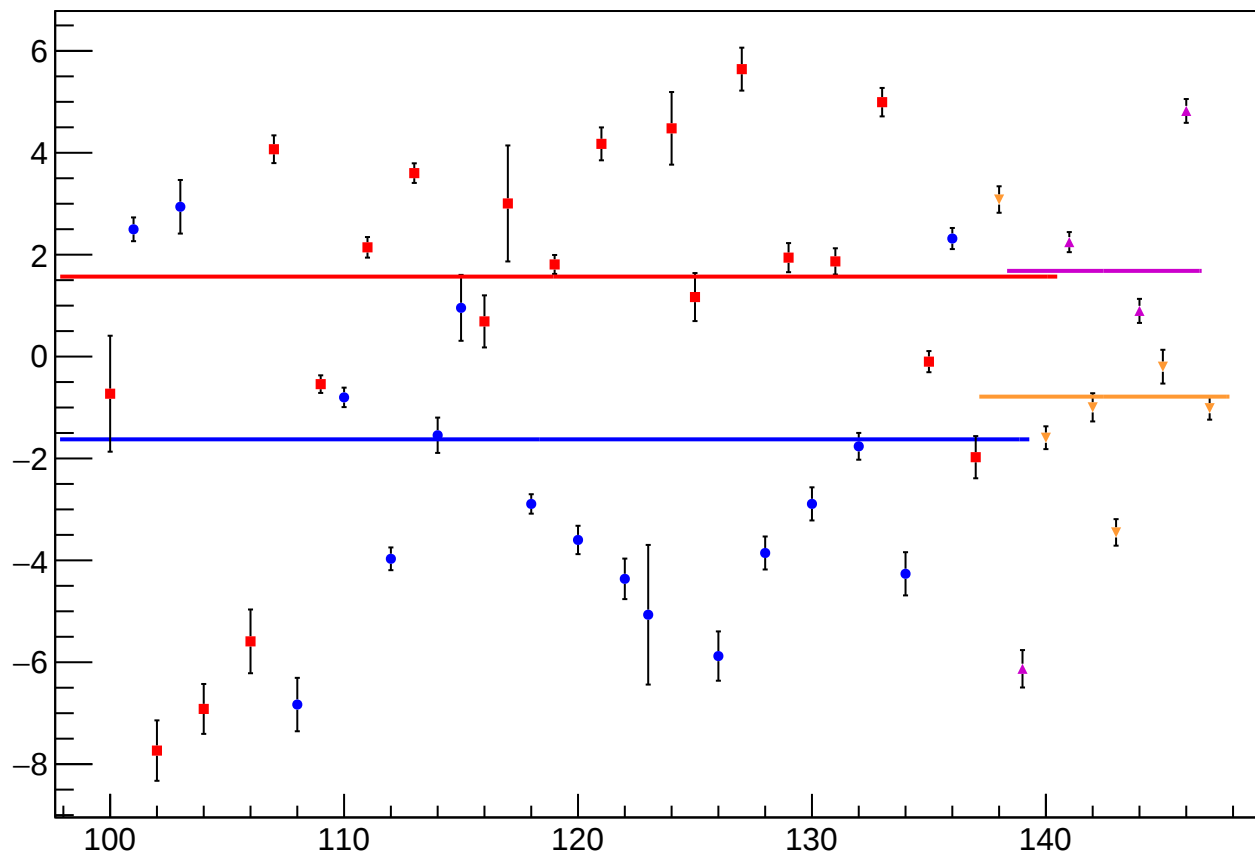
Left In: -20.966 ± 0.131 $\chi^2/\text{NDF}: 21020.0/3$

7.822 ± 0.081 $\chi^2/\text{NDF}: 29183.1/22$

0.667 ± 0.057 $\chi^2/\text{NDF}: 86247.0/46$

-6.070 ± 0.079 $\chi^2/\text{NDF}: 42042.2/23$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -0.786 ± 0.105 χ^2/NDF : 344.0/5

Right Out: 1.570 ± 0.065 χ^2/NDF : 1507.4/19

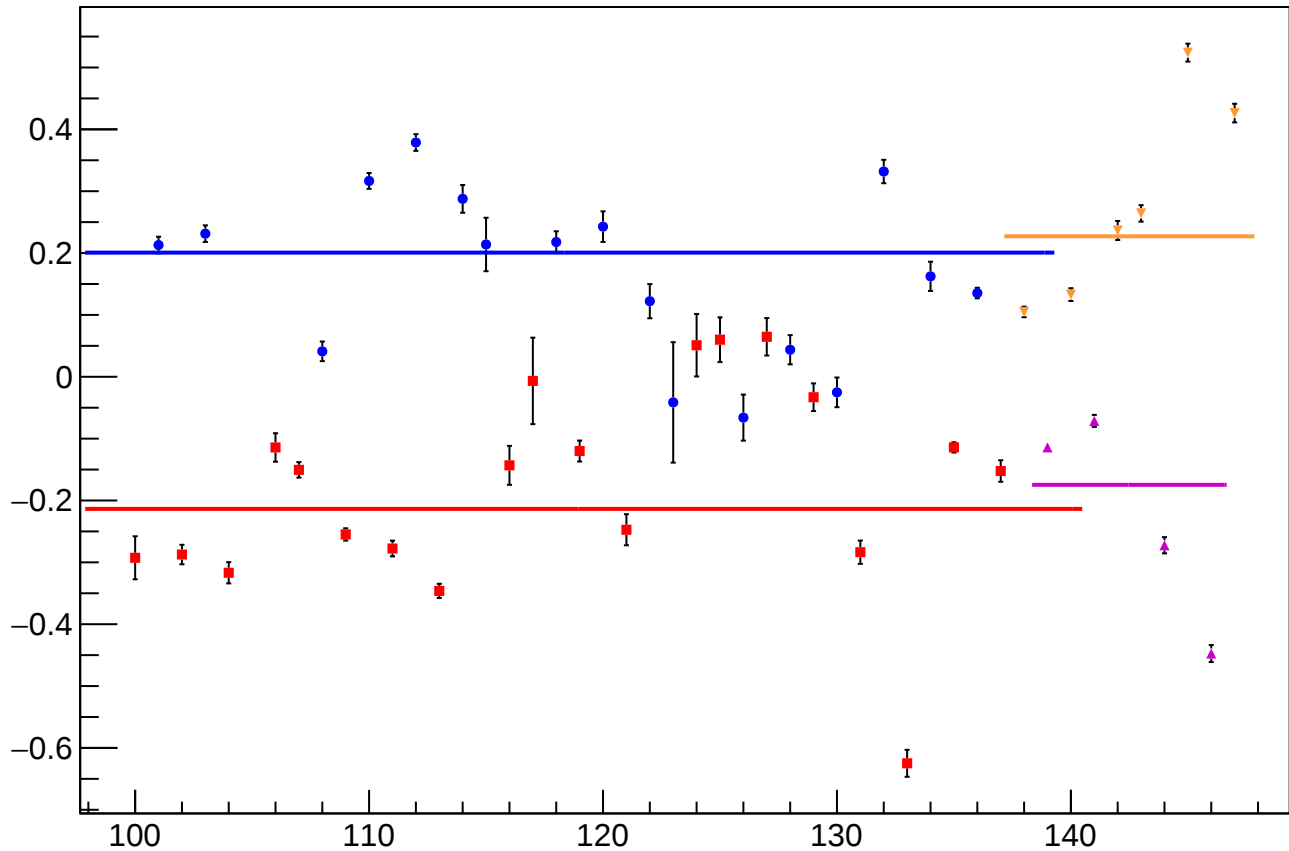
Left In: 1.682 ± 0.120 χ^2/NDF : 652.2/3

-1.360 ± 0.059 χ^2/NDF : 1708.7/22

0.152 ± 0.041 χ^2/NDF : 5160.3/46

1.595 ± 0.057 χ^2/NDF : 2160.2/23

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.227 ± 0.005 χ^2/NDF : 894.0/5

Right Out: -0.214 ± 0.004 χ^2/NDF : 1089.2/19

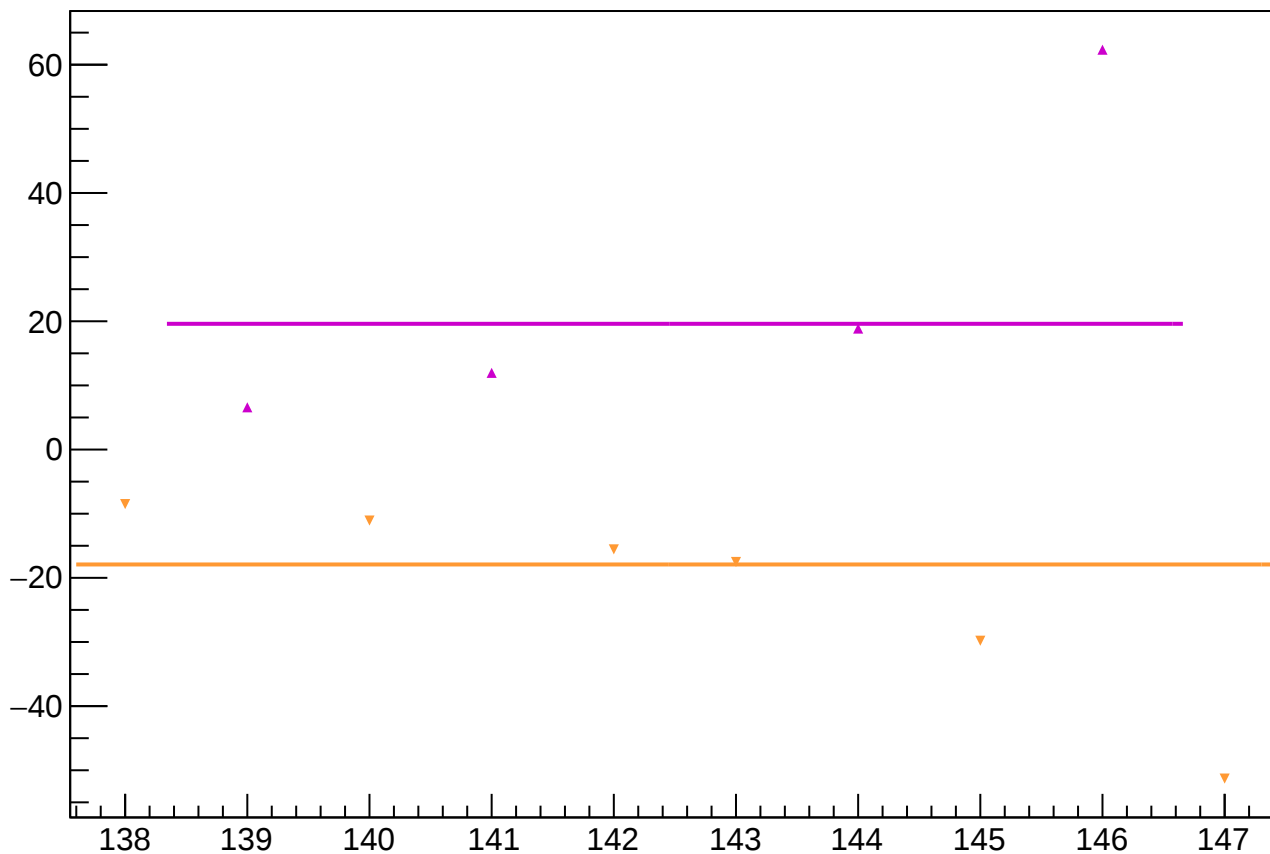
Left In: -0.175 ± 0.005 χ^2/NDF : 614.4/3

0.212 ± 0.003 χ^2/NDF : 1601.7/22

-0.004 ± 0.002 χ^2/NDF : 12284.2/46

-0.201 ± 0.003 χ^2/NDF : 1740.7/23

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.915+/-0.114 χ^2/NDF :13467.5/5

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

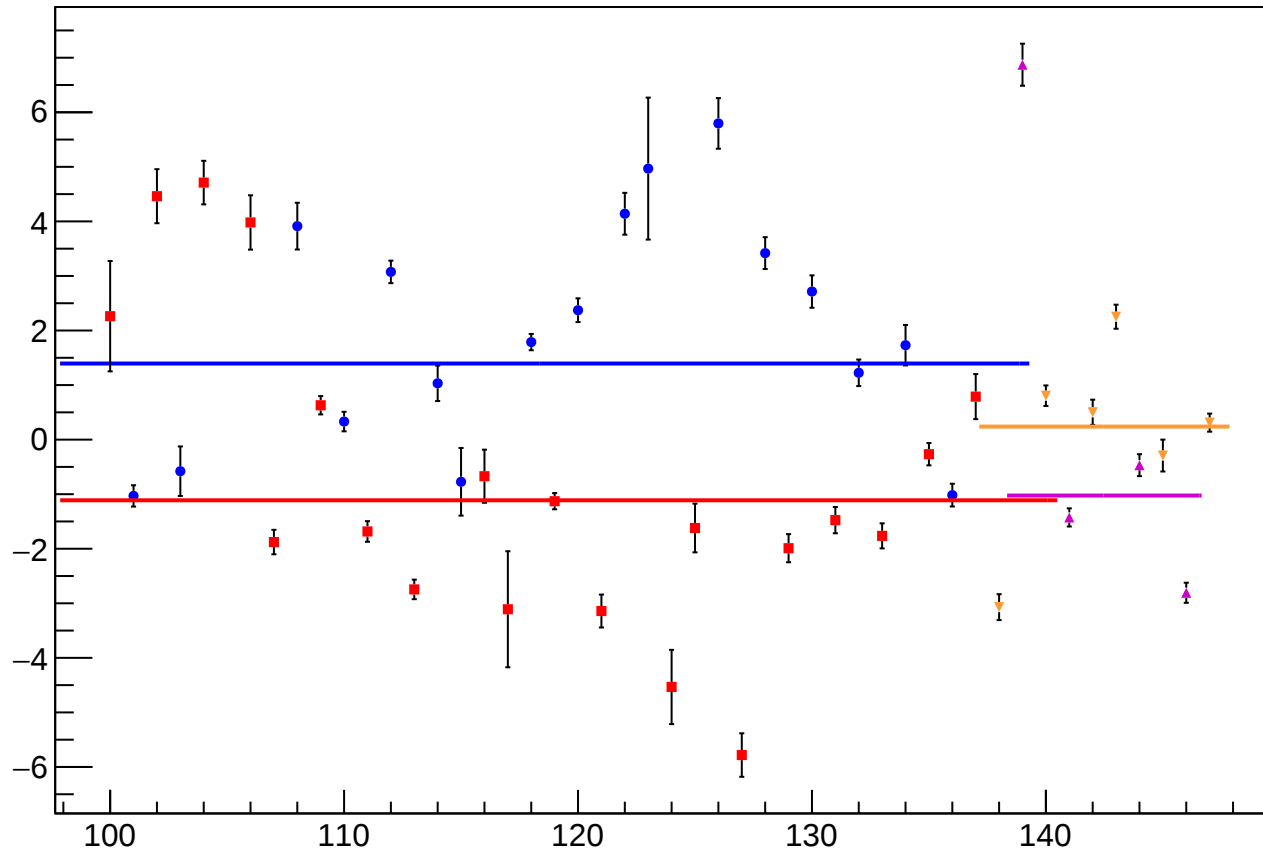
Left In: 19.603+/-0.126 χ^2/NDF :23166.1/3

-17.915+/-0.114 χ^2/NDF : 13467.5/5

-1.046+/-0.085 χ^2/NDF : 85254.6/9

19.603+/-0.126 χ^2/NDF : 23166.1/3

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: 0.239 ± 0.087 $\chi^2/\text{NDF}: 291.4/5$

Right Out: -1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

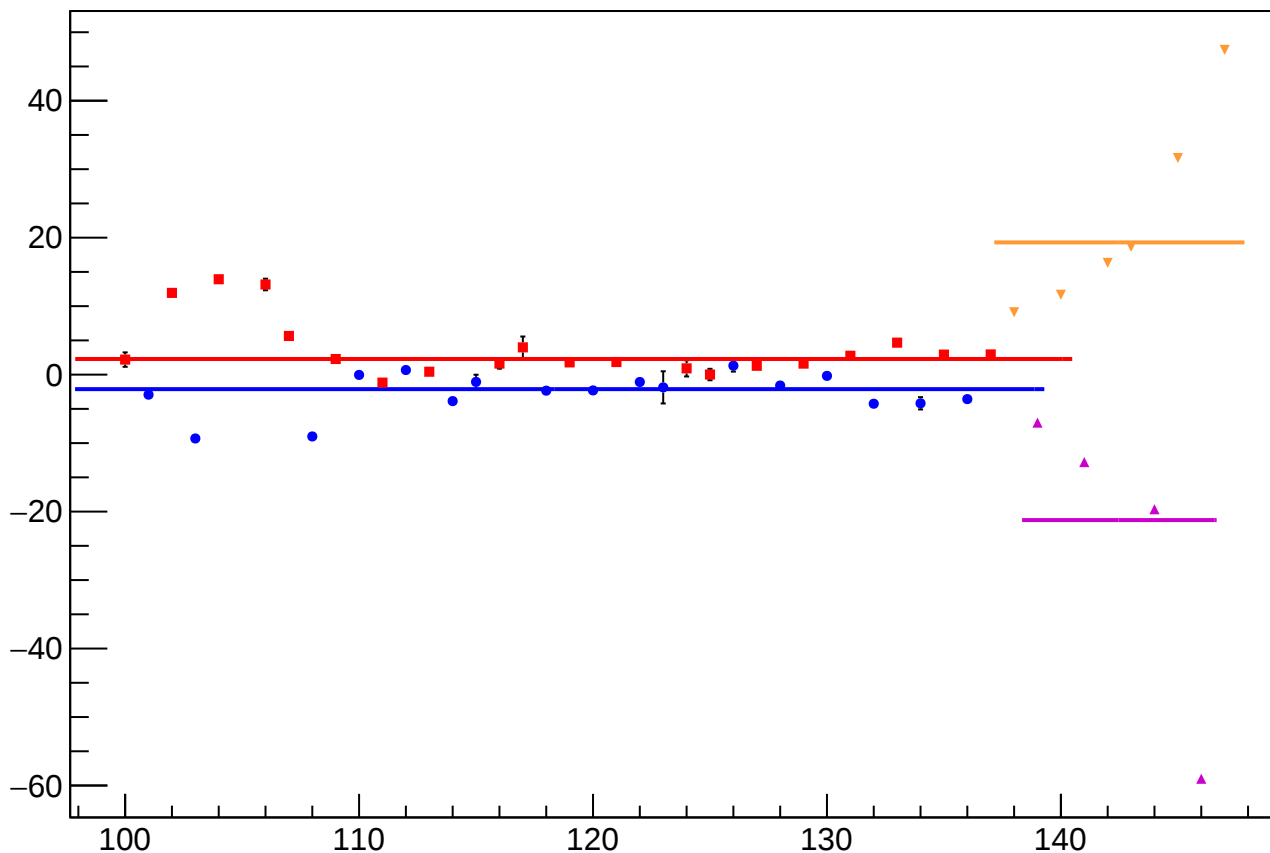
Left In: -1.025 ± 0.102 $\chi^2/\text{NDF}: 526.5/3$

0.994 ± 0.051 $\chi^2/\text{NDF}: 1109.3/22$

-0.045 ± 0.036 $\chi^2/\text{NDF}: 3410.7/46$

-1.090 ± 0.051 $\chi^2/\text{NDF}: 1467.5/23$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 19.309 ± 0.120 $\chi^2/\text{NDF}: 11791.5/5$

Right Out: 2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

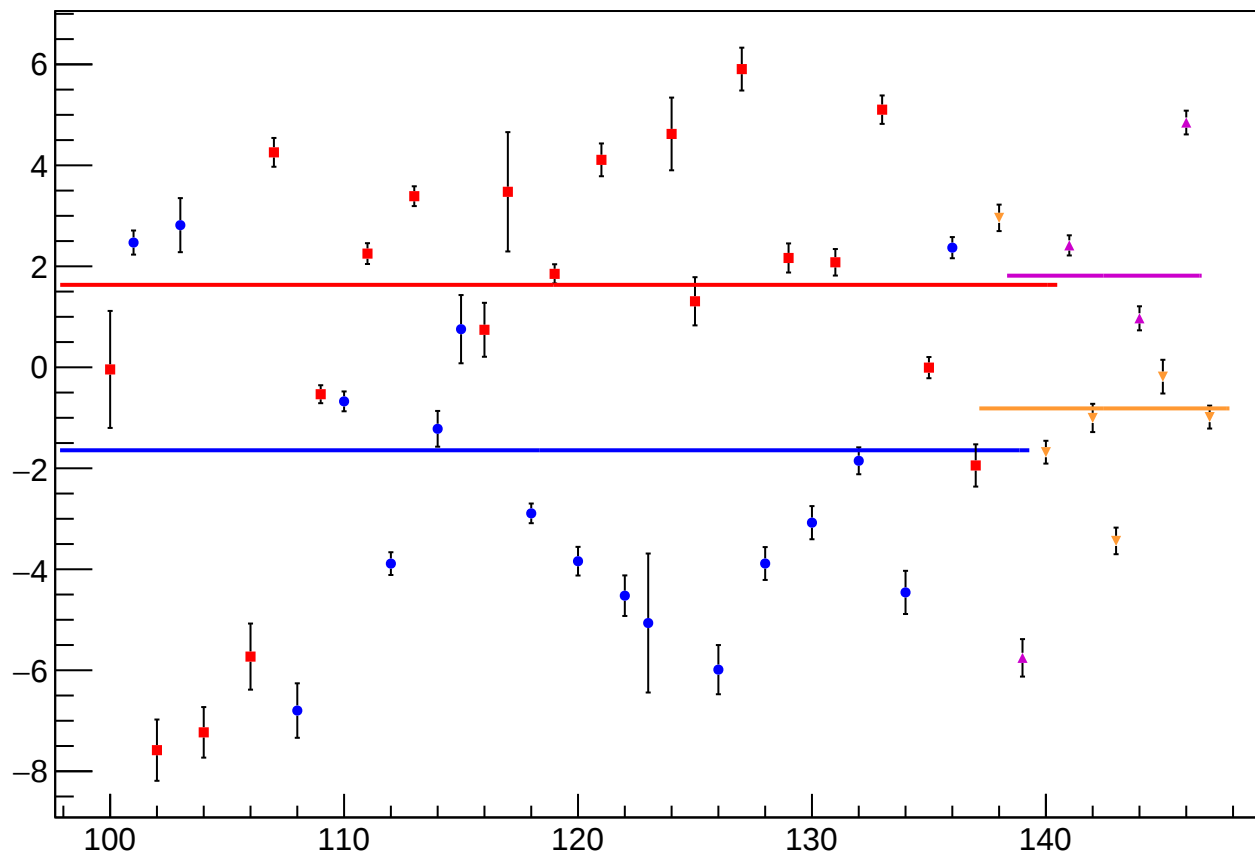
Left In: -21.240 ± 0.133 $\chi^2/\text{NDF}: 20678.6/3$

7.957 ± 0.082 $\chi^2/\text{NDF}: 29097.3/22$

0.622 ± 0.058 $\chi^2/\text{NDF}: 86029.8/46$

-6.328 ± 0.080 $\chi^2/\text{NDF}: 41526.2/23$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643±/0.072 χ^2/NDF : 1310.1/16

Left Out: -0.814±/0.106 χ^2/NDF : 326.0/5

Right Out: 1.633±/0.067 χ^2/NDF : 1470.6/19

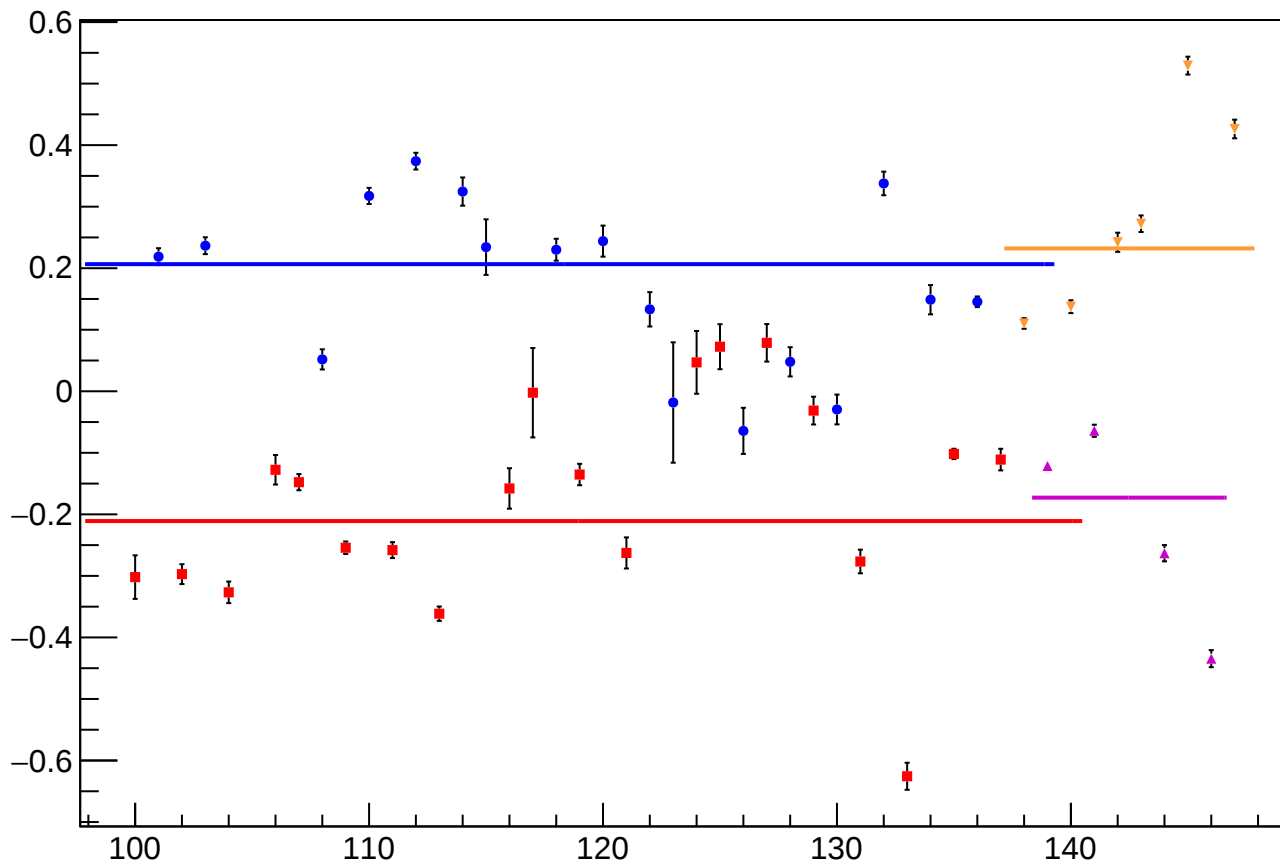
Left In: 1.815±/0.121 χ^2/NDF : 603.8/3

-1.378±/0.060 χ^2/NDF : 1678.0/22

0.179±/0.042 χ^2/NDF : 5088.6/46

1.676±/0.059 χ^2/NDF : 2076.1/23

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.232 ± 0.005 χ^2/NDF : 872.8/5

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

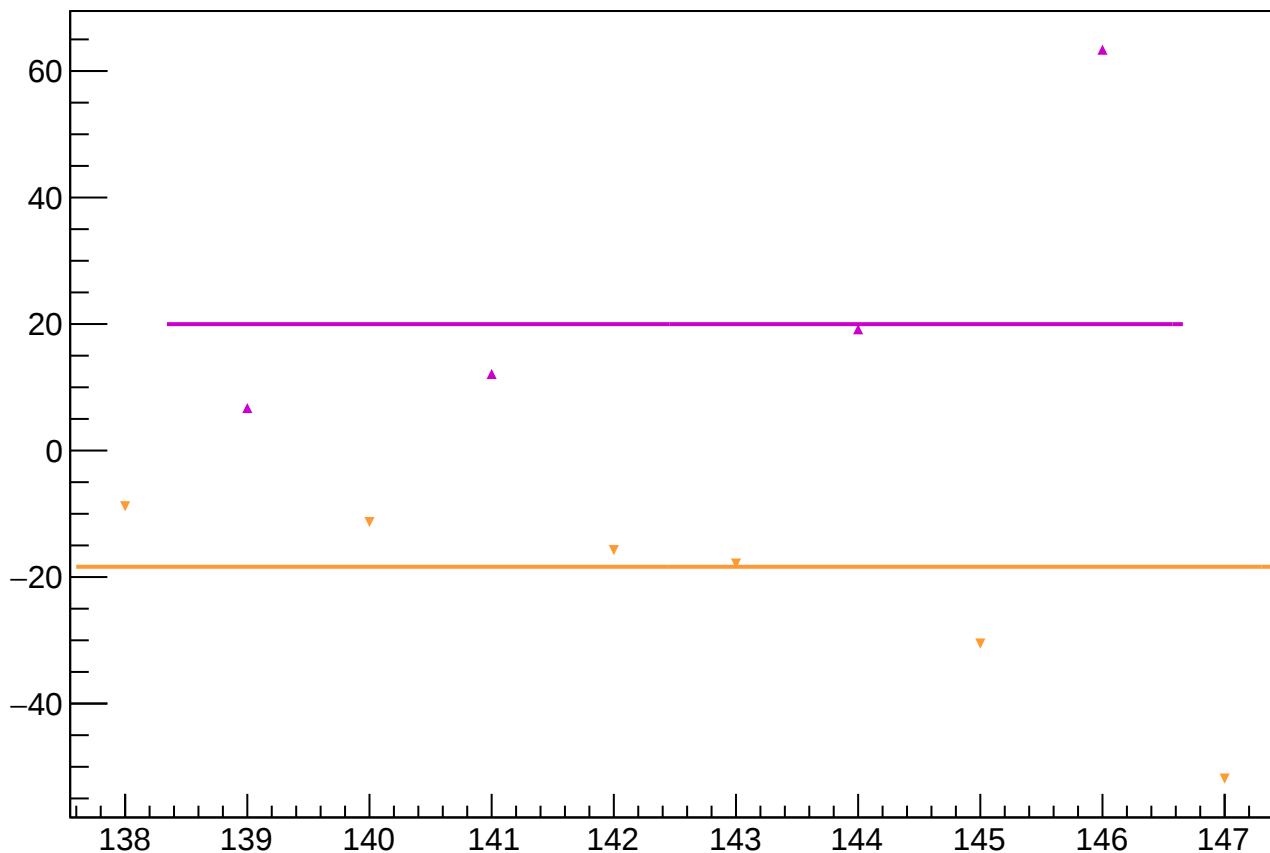
Left In: -0.173 ± 0.005 χ^2/NDF : 562.3/3

0.217 ± 0.003 χ^2/NDF : 1543.4/22

0.000 ± 0.002 χ^2/NDF : 12093.3/46

-0.198 ± 0.003 χ^2/NDF : 1750.8/23

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.374+/-0.116 χ^2/NDF :13272.7/5

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

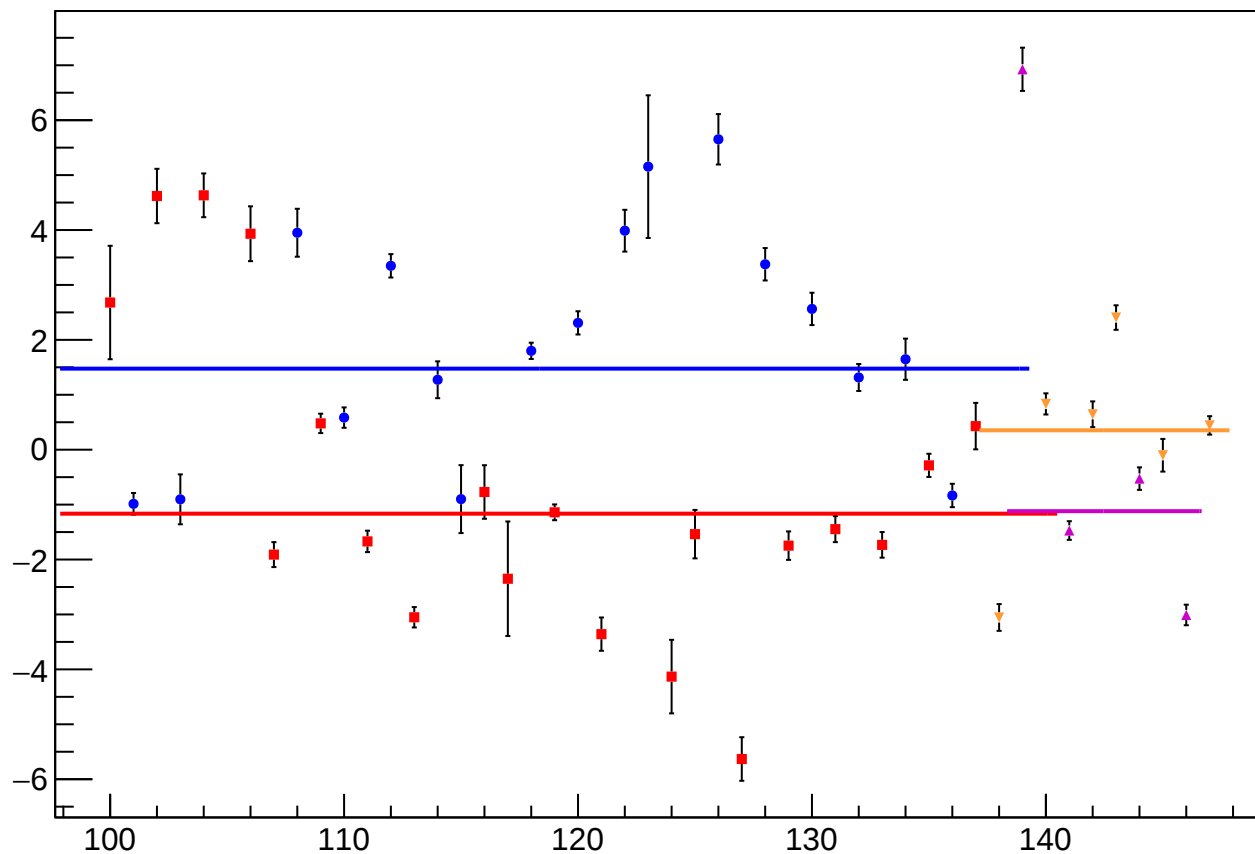
Left In: 19.983+/-0.129 χ^2/NDF :23148.1/3

-18.374+/-0.116 χ^2/NDF : 13272.7/5

-1.099+/-0.086 χ^2/NDF : 85284.7/9

19.983+/-0.129 χ^2/NDF : 23148.1/3

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 0.353 ± 0.088 χ^2/NDF : 290.8/5

Right Out: -1.165 ± 0.060 χ^2/NDF : 919.2/19

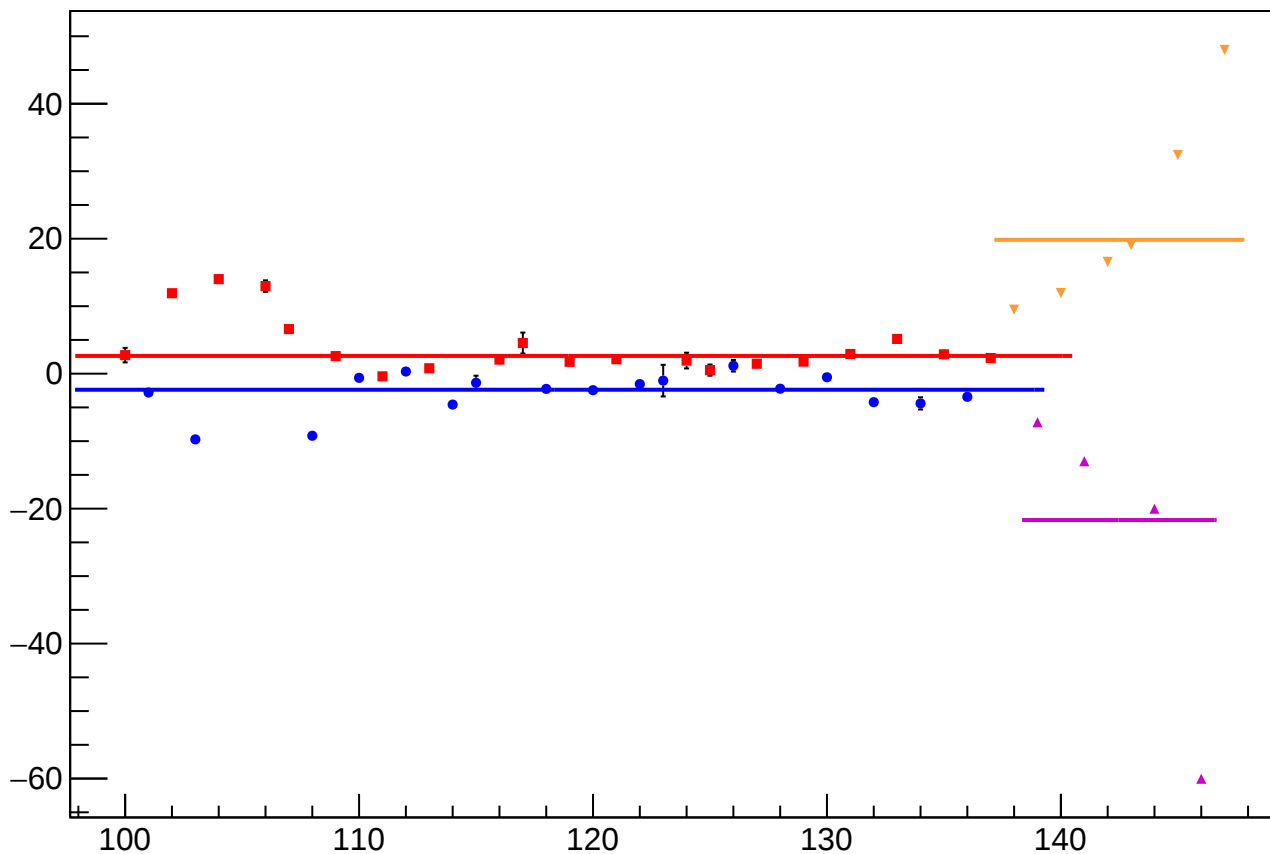
Left In: -1.119 ± 0.103 χ^2/NDF : 532.4/3

1.091 ± 0.052 χ^2/NDF : 1057.3/22

-0.026 ± 0.037 χ^2/NDF : 3452.2/46

-1.154 ± 0.052 χ^2/NDF : 1451.7/23

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 19.838 ± 0.123 χ^2/NDF : 11593.0/5

Right Out: 2.631 ± 0.103 χ^2/NDF : 842.8/19

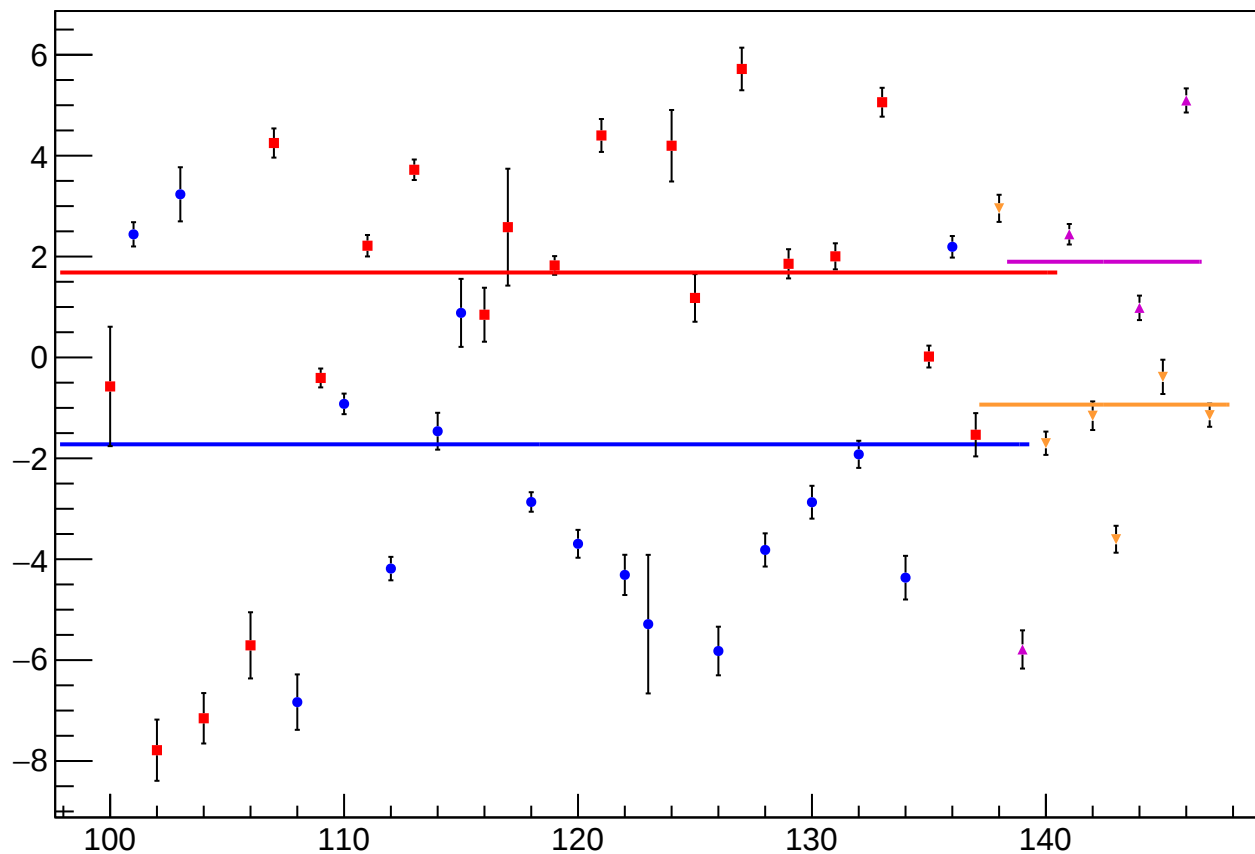
Left In: -21.689 ± 0.135 χ^2/NDF : 20650.8/3

8.013 ± 0.084 χ^2/NDF : 29483.0/22

0.684 ± 0.059 χ^2/NDF : 86346.5/46

-6.304 ± 0.082 χ^2/NDF : 41965.1/23

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 $\chi^2/\text{NDF}: 1247.6/16$

Left Out: -0.935 ± 0.107 $\chi^2/\text{NDF}: 324.4/5$

Right Out: 1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

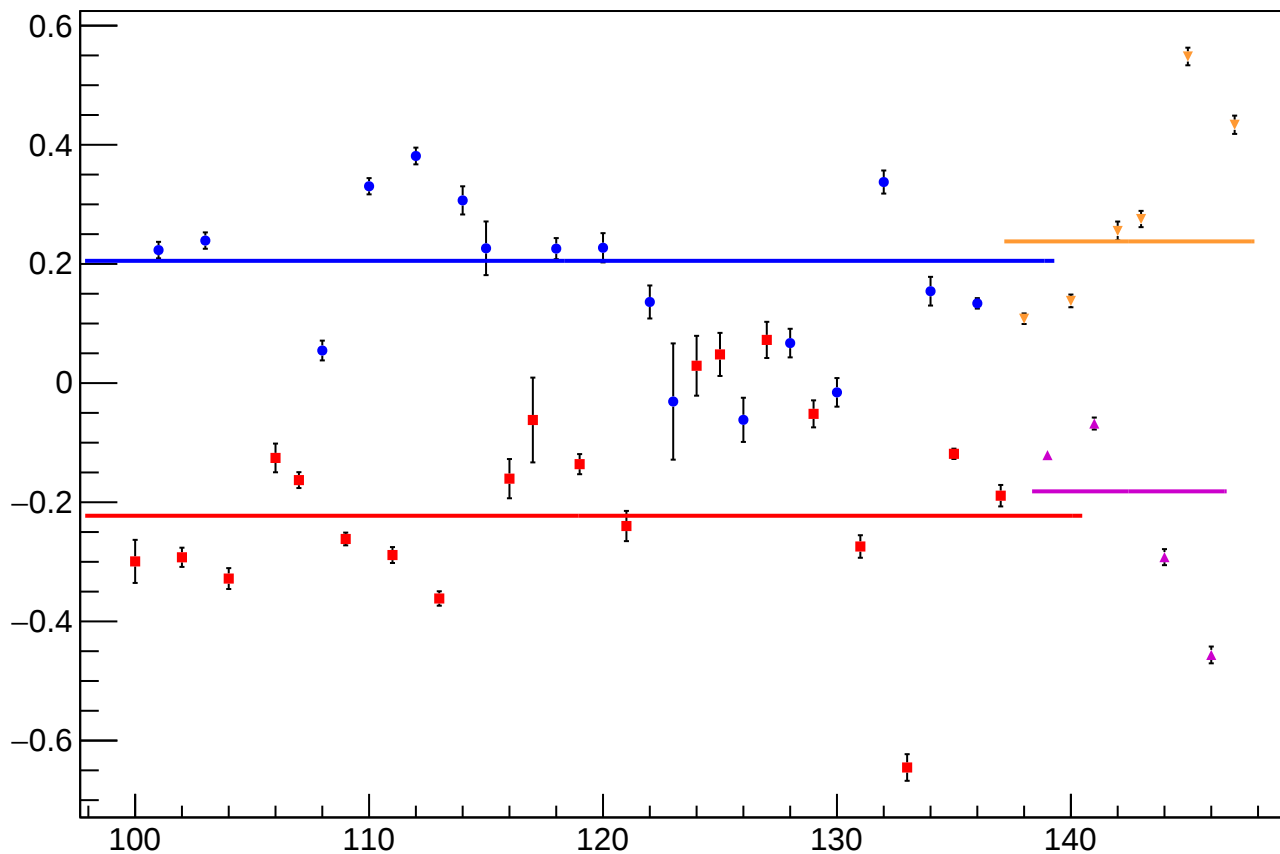
Left In: 1.897 ± 0.123 $\chi^2/\text{NDF}: 611.9/3$

-1.473 ± 0.060 $\chi^2/\text{NDF}: 1608.7/22$

0.157 ± 0.042 $\chi^2/\text{NDF}: 5084.9/46$

1.733 ± 0.059 $\chi^2/\text{NDF}: 2045.8/23$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205+/-0.004 χ^2/NDF : 650.7/16

Left Out: 0.238+/-0.005 χ^2/NDF : 912.8/5

Right Out: -0.223+/-0.004 χ^2/NDF : 1045.6/19

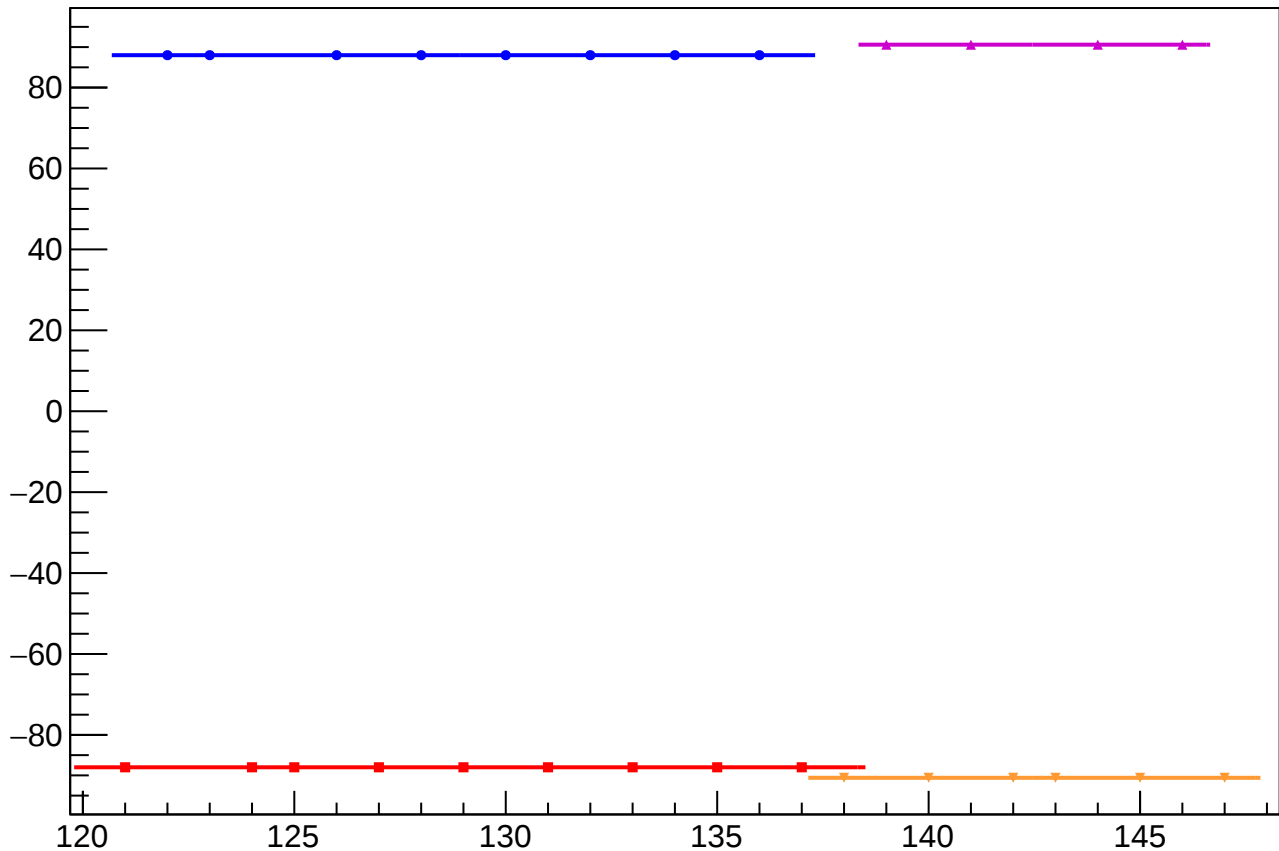
Left In: -0.182+/-0.005 χ^2/NDF : 626.9/3

0.219+/-0.003 χ^2/NDF : 1588.0/22

-0.004+/-0.002 χ^2/NDF : 12293.1/46

-0.209+/-0.003 χ^2/NDF : 1711.0/23

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 2624723.2/5

Right Out: -88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

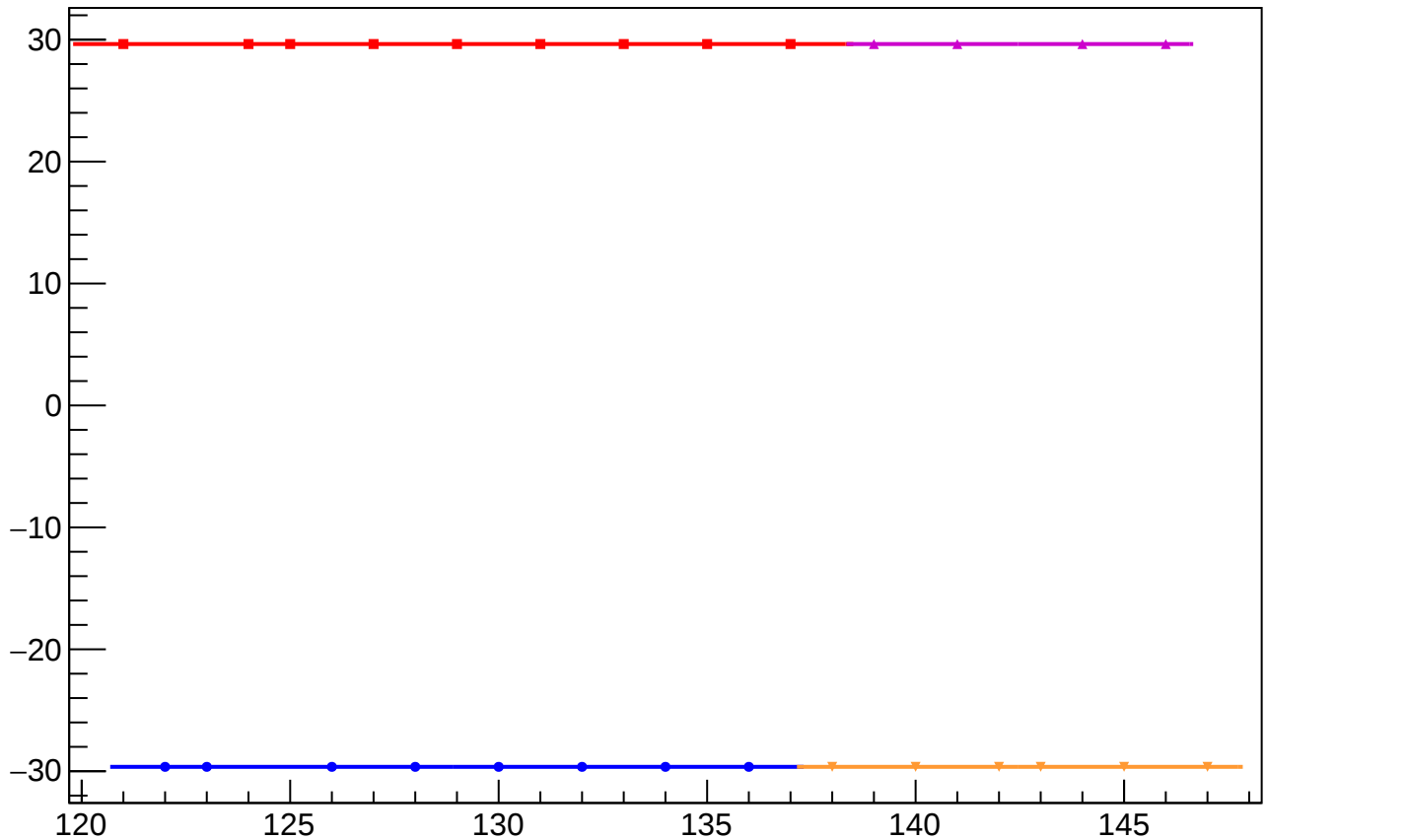
Left In: 90.599 $\pm$ 0.000 χ^2 /NDF: 291815.4/3

-11.581 $\pm$ 0.000 χ^2 /NDF: 60825654591461795

-4.944 $\pm$ 0.000 χ^2 /NDF: 1133875050532

2.948 $\pm$ 0.000 χ^2 /NDF: 5181651843753839458

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF :155210.0/5

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

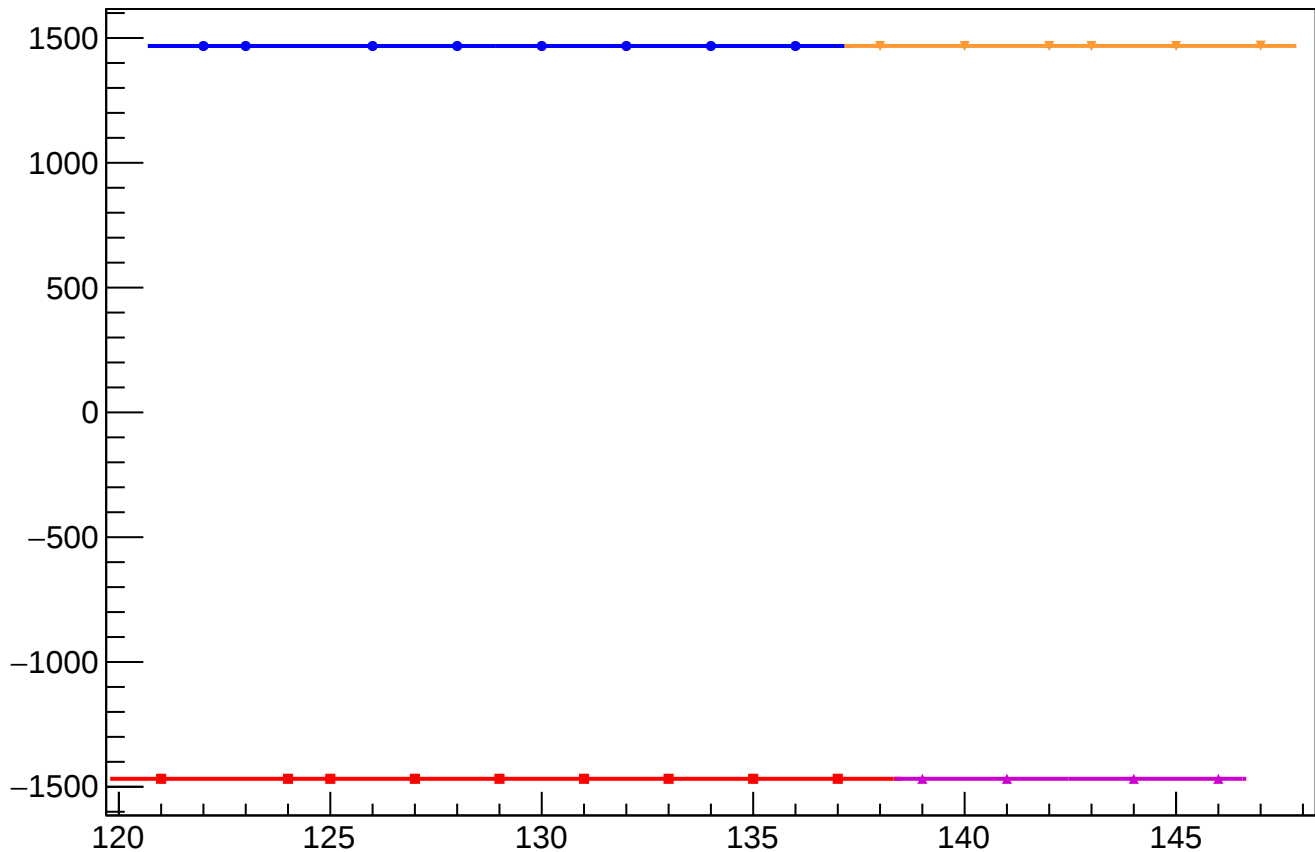
Left In: 29.641+/-0.000 χ^2/NDF :15777.2/3

-29.641+/-0.000 χ^2/NDF : 829149.6/13

-2.562+/-0.000 χ^2/NDF : 1240866171503

29.641+/-0.000 χ^2/NDF : 926981.0/12

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.219+/-0.000 χ^2/NDF : 111685777346610085992478233591808.0/5

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

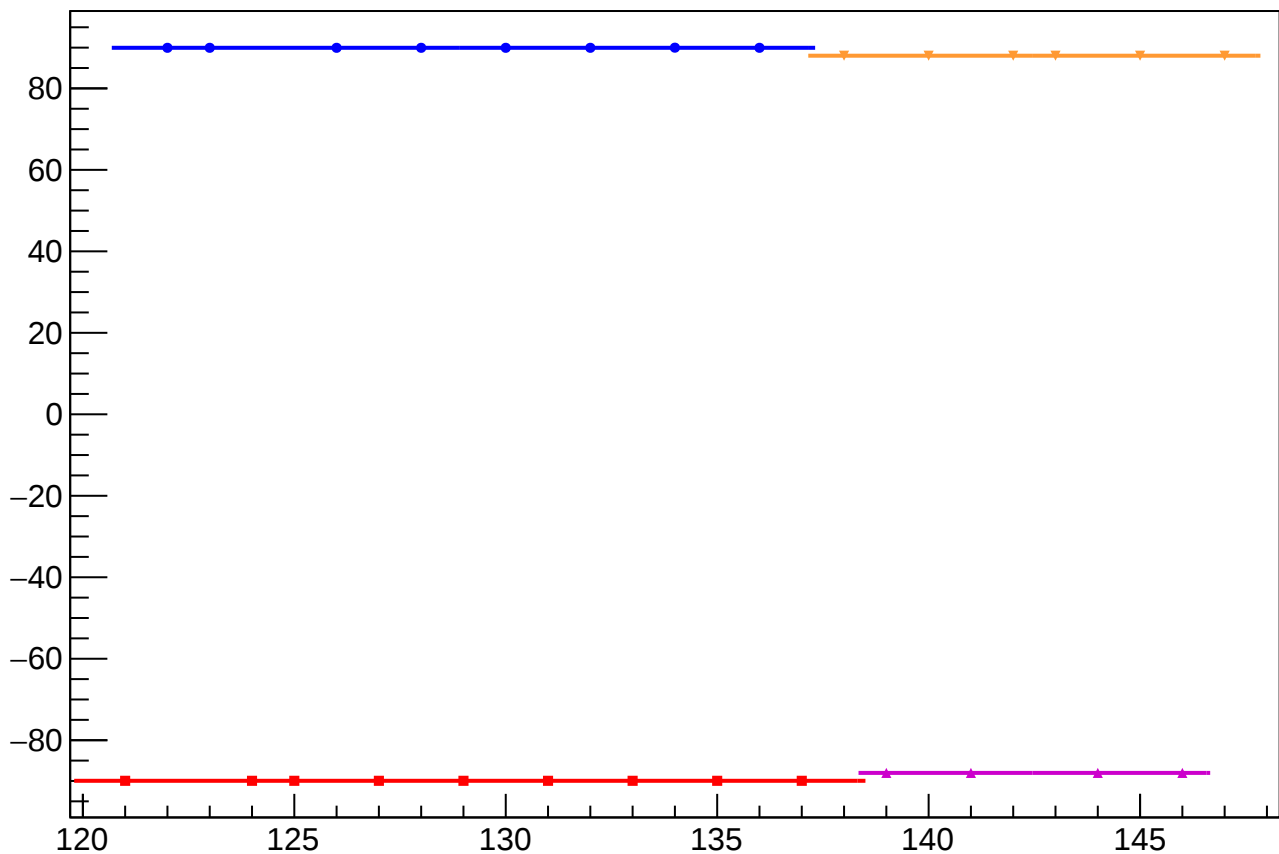
Left In: -1467.979+/-0.000 χ^2/NDF : 12511106.8/3

1468.113+/-0.000 χ^2/NDF : 1226043126015184

126.960+/-0.000 χ^2/NDF : 304387834673

-1467.979+/-0.000 χ^2/NDF : 798177592.3/12

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 2792946.3/5

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

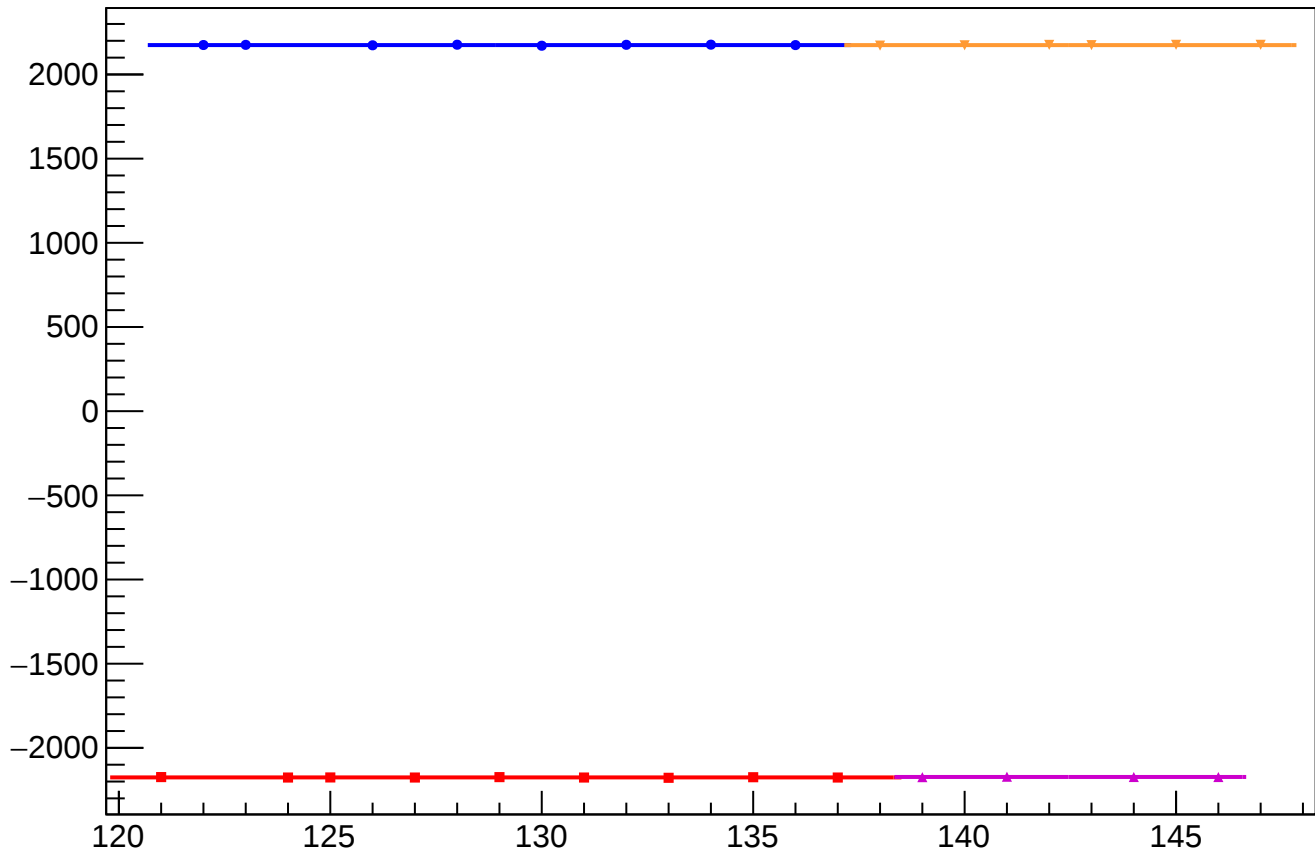
Left In: -88.021+/-0.000 χ^2/NDF : 273842.0/3

88.879+/-0.000 χ^2/NDF : 718156813769409028

7.640+/-0.000 χ^2/NDF : 11170026399651

-88.972+/-0.000 χ^2/NDF : 61049053726948470

HALLA_p_mean vs Slug, Sign Corrected



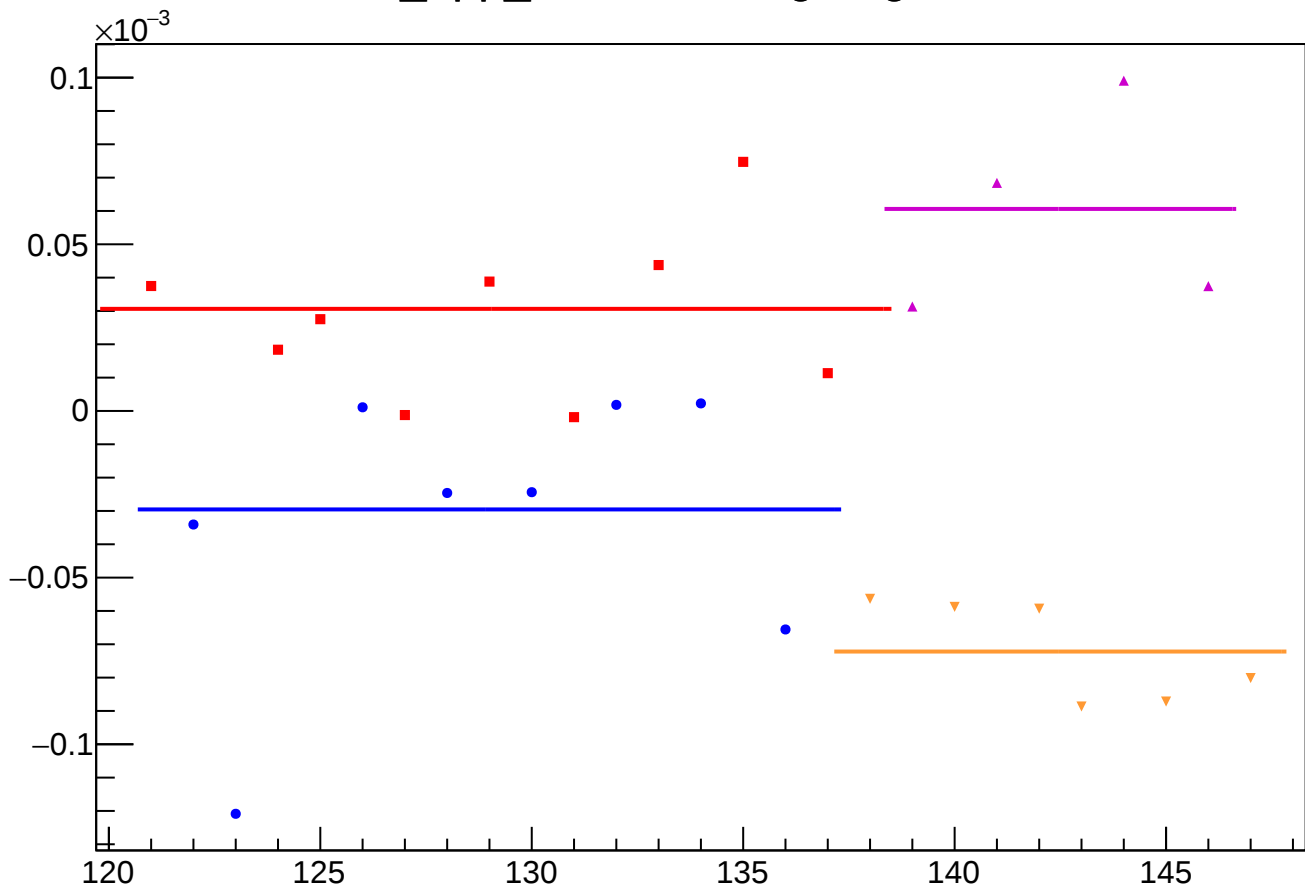
Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.392+/-0.000 χ^2/NDF : 1354068483380575569321939754287104.0/5

Right Out: -2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

Left In: -2172.830+/-0.000 χ^2/NDF : 292718764492837278676881460166656.0/3

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2/NDF : 82945380724970295918592.0/5

Right Out: 0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

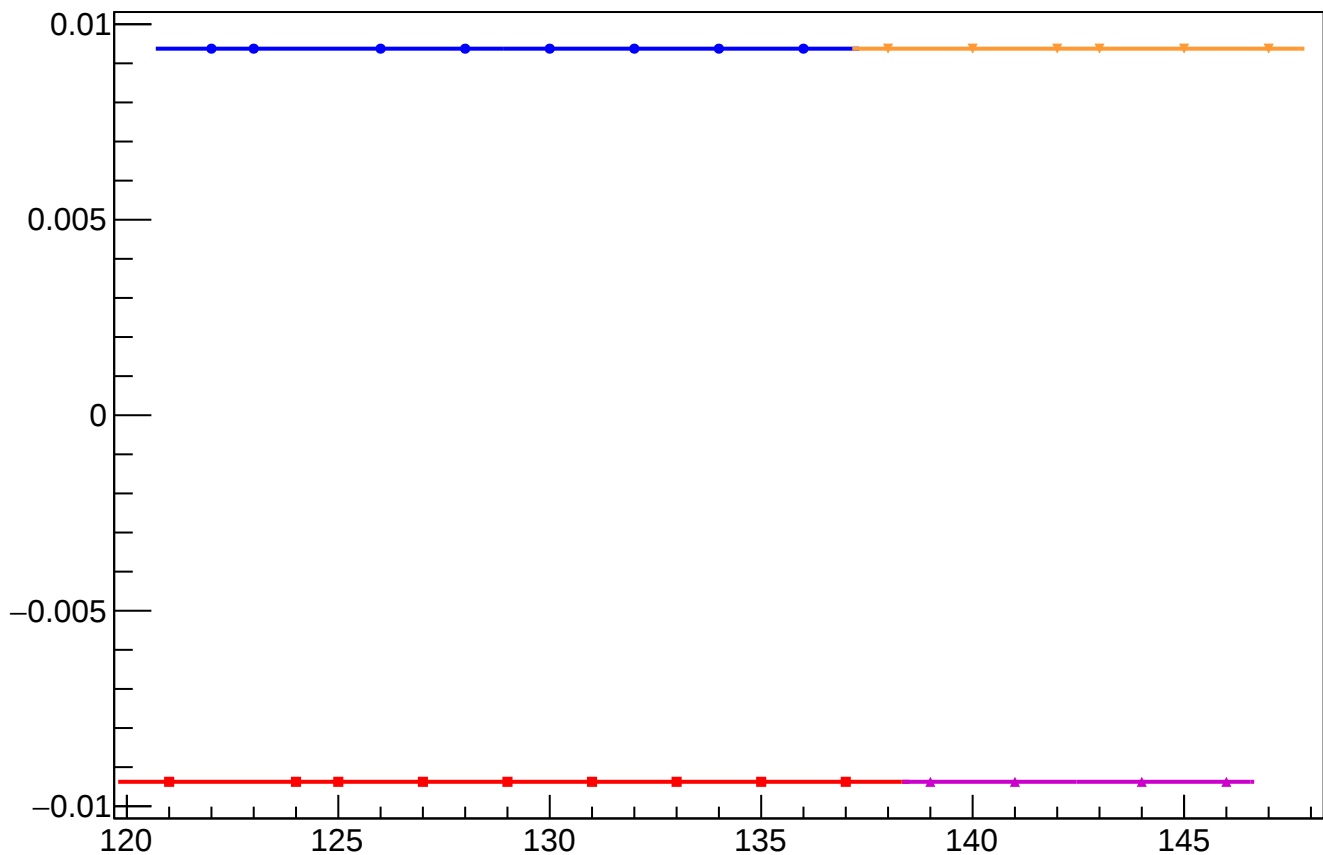
Left In: 0.000+/-0.000 χ^2/NDF : 244928611529346384920576.0/3

-0.000+/-0.000 χ^2/NDF : 679743380595803294

-0.000+/-0.000 χ^2/NDF : 47430455172915

0.000+/-0.000 χ^2/NDF : 5876403054059522663

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/5$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

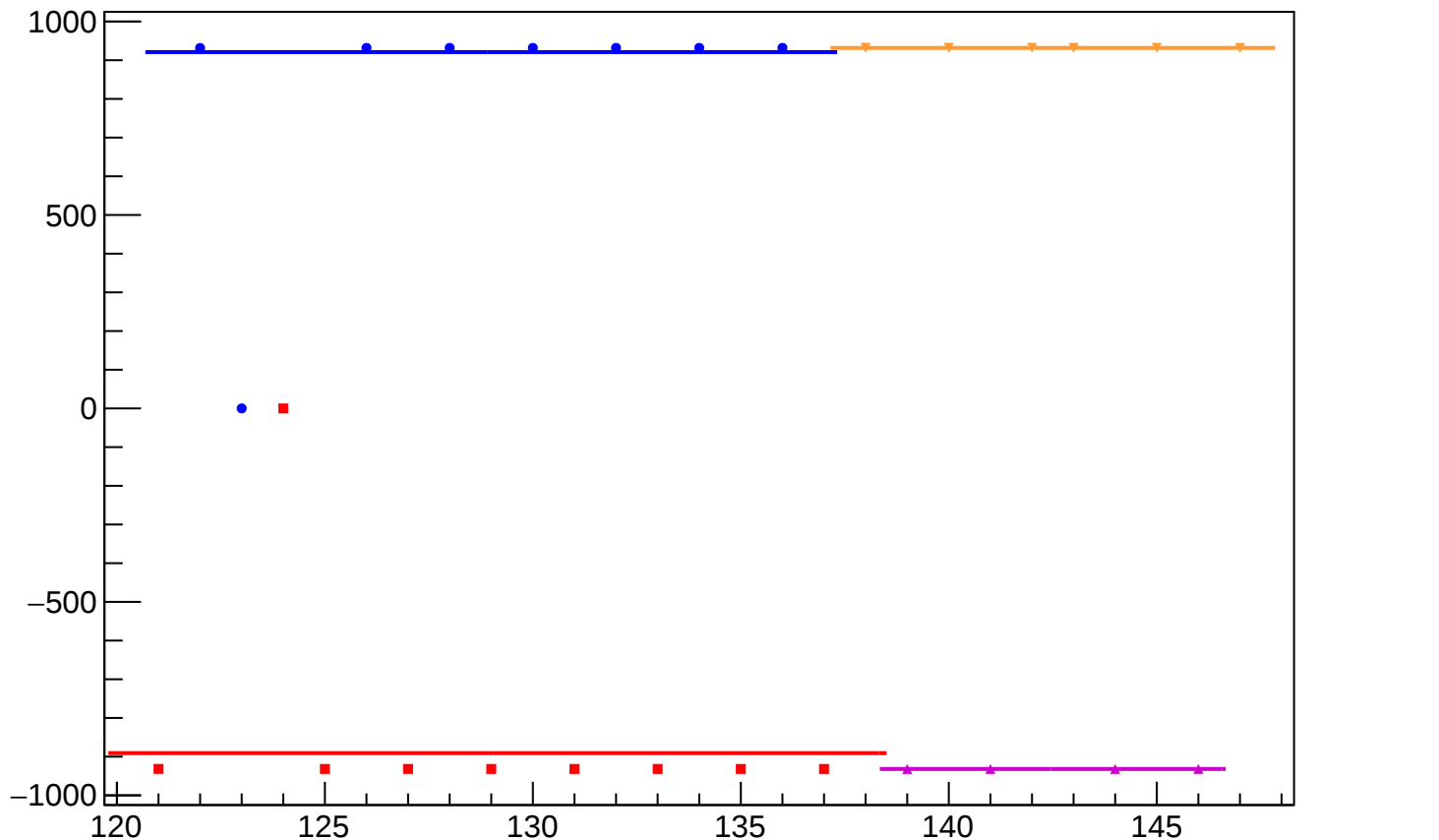
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/3$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/13$

0.001 ± 0.000 $\chi^2/\text{NDF}: 12413392700281$

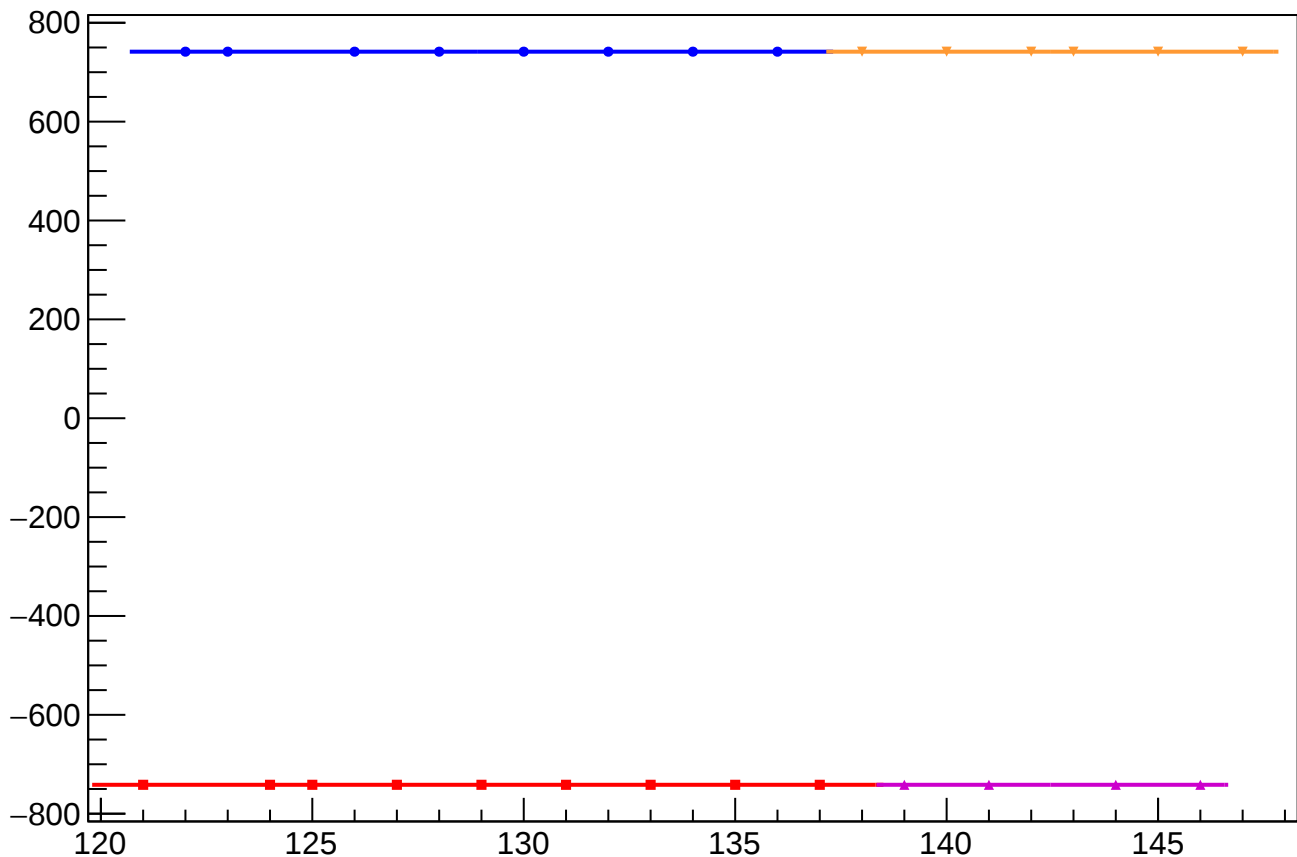
-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/12$

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



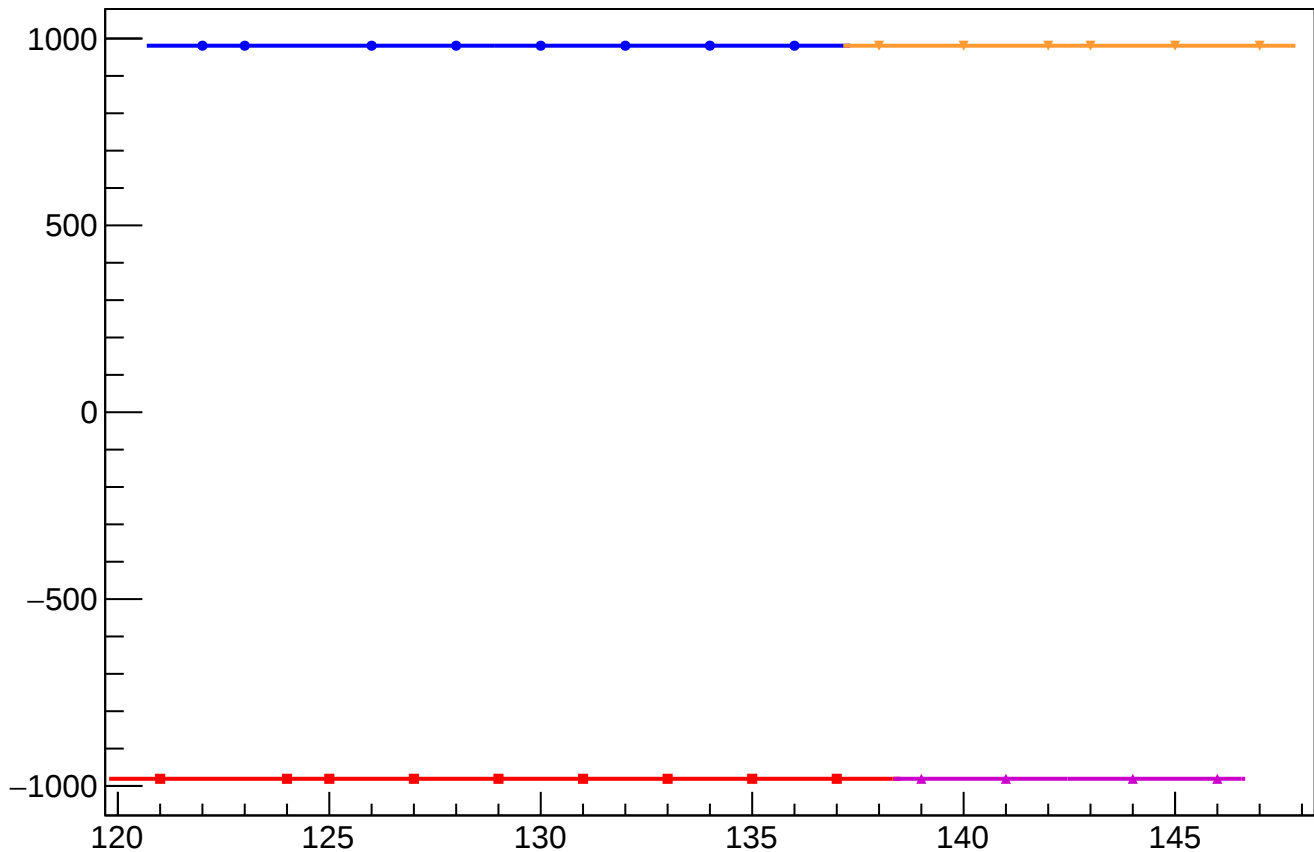
Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.838+/-0.000 χ^2/NDF : 1418986453276444143948593627136.0/5
 Right Out: -890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: -931.839+/-0.000 χ^2/NDF : 936039179443084793095036862464.0/3

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7
 Left Out: 741.526+/-0.000 χ^2/NDF : 11512560888404187193429458944.0/5
 Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8
 Left In: -741.527+/-0.000 χ^2/NDF : 6087754574149652559815507968.0/3

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.777+/-0.000 χ^2/NDF : 361904090592181599708232286208.0/5

Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

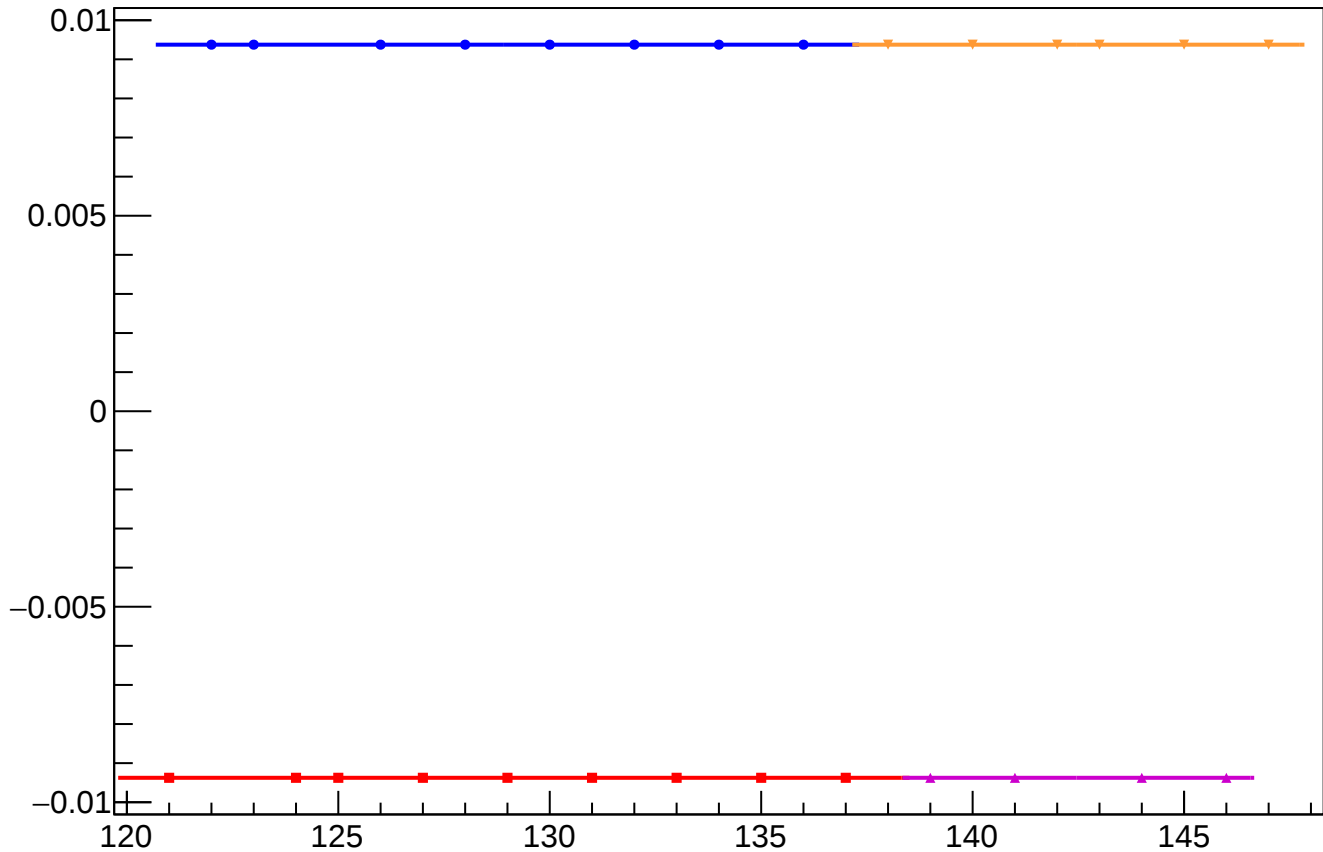
Left In: -980.786+/-0.000 χ^2/NDF : 505430702851879597104477241344.0/3

980.798+/-0.000 χ^2/NDF : 96579286958054009

84.776+/-0.000 χ^2/NDF : 1358654034034

-980.802+/-0.000 χ^2/NDF : 8187744464851875

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/5$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

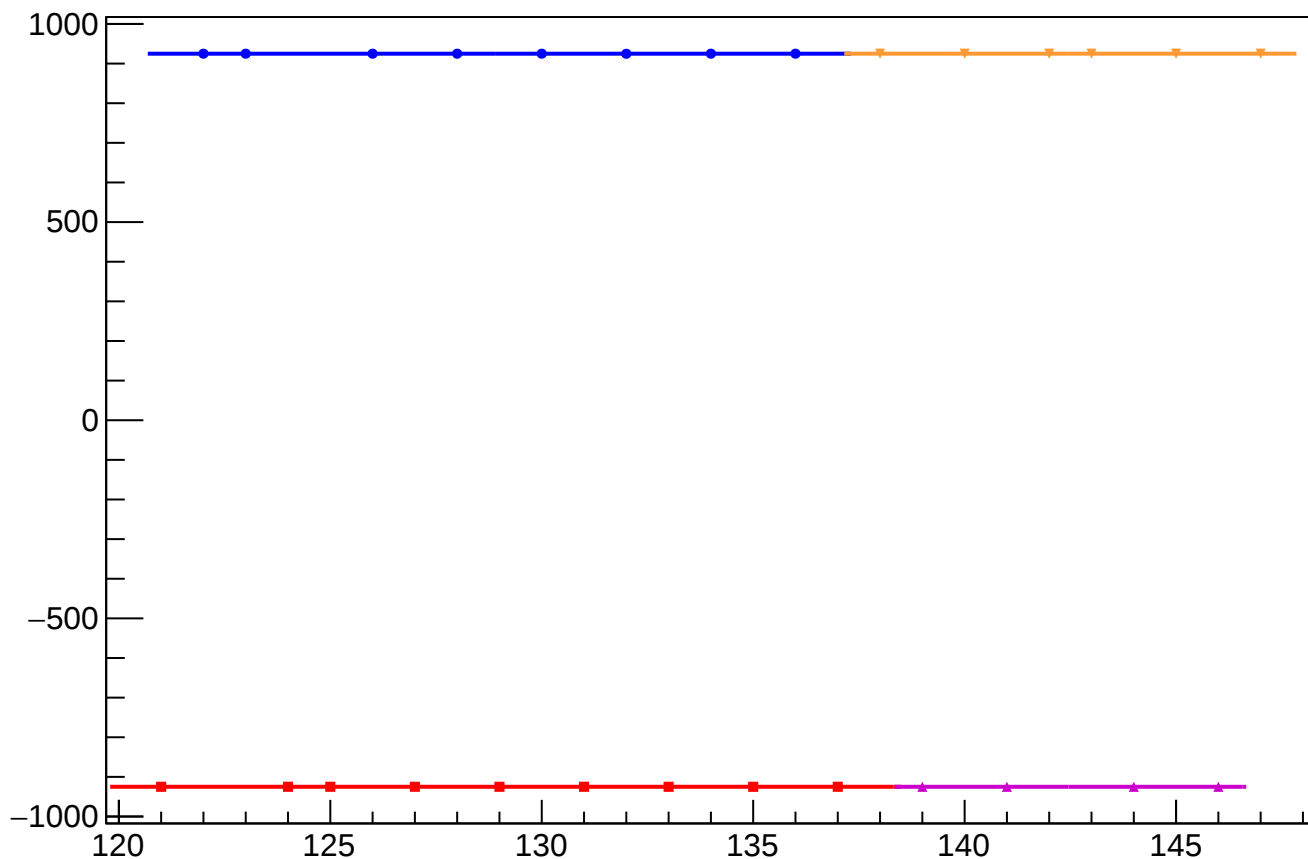
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/3$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/13$

0.001 ± 0.000 $\chi^2/\text{NDF}: 12413392700281$

-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/12$

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.988+/-0.000 χ^2/NDF : 137545450802449802374420627456.0/5

Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

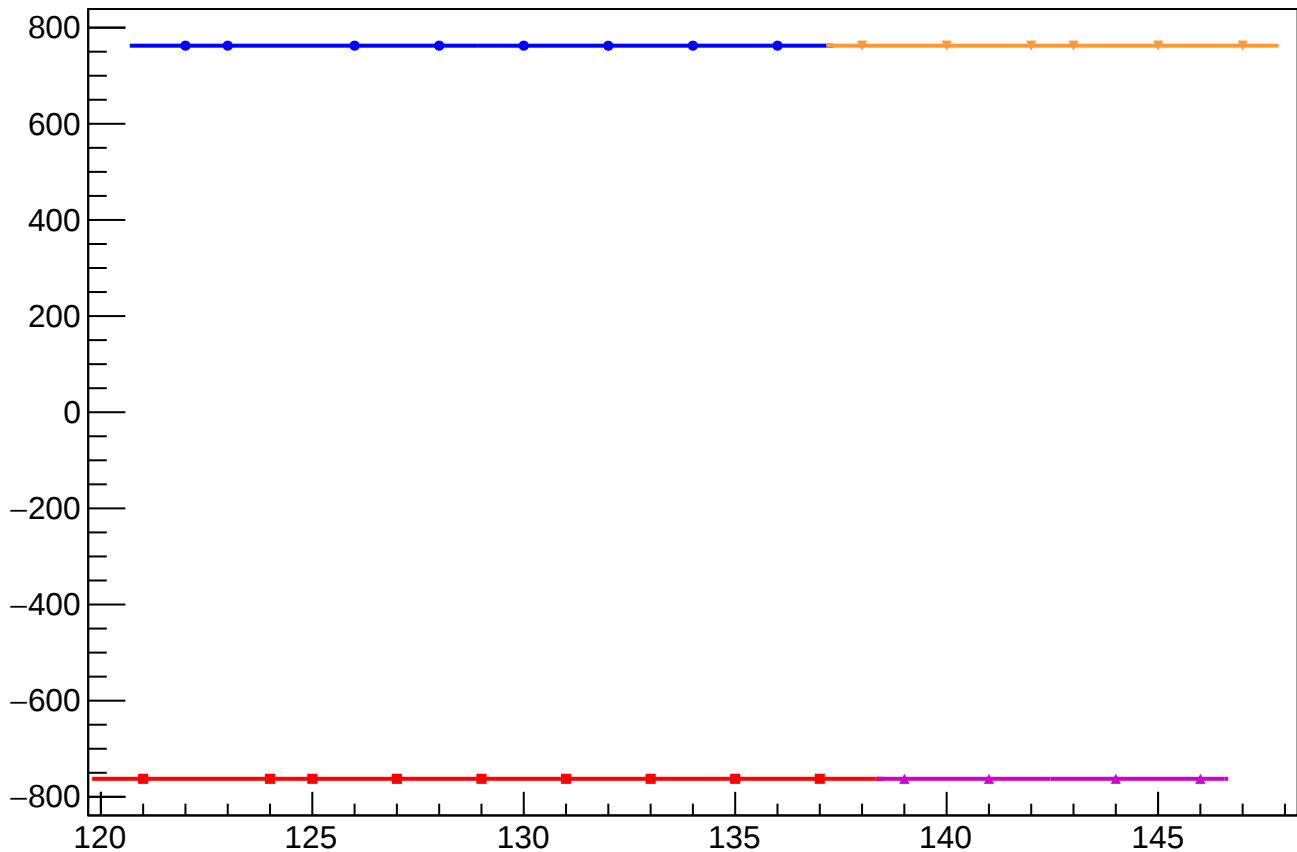
Left In: -924.996+/-0.000 χ^2/NDF : 123015157478676677955889922048.0/3

924.967+/-0.000 χ^2/NDF : 19903432128922679

79.947+/-0.000 χ^2/NDF : 1208383995322

-924.977+/-0.000 χ^2/NDF : 4459388653079848

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.492+/-0.000 χ^2/NDF : 35151226516744515290870579200.0/5

Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

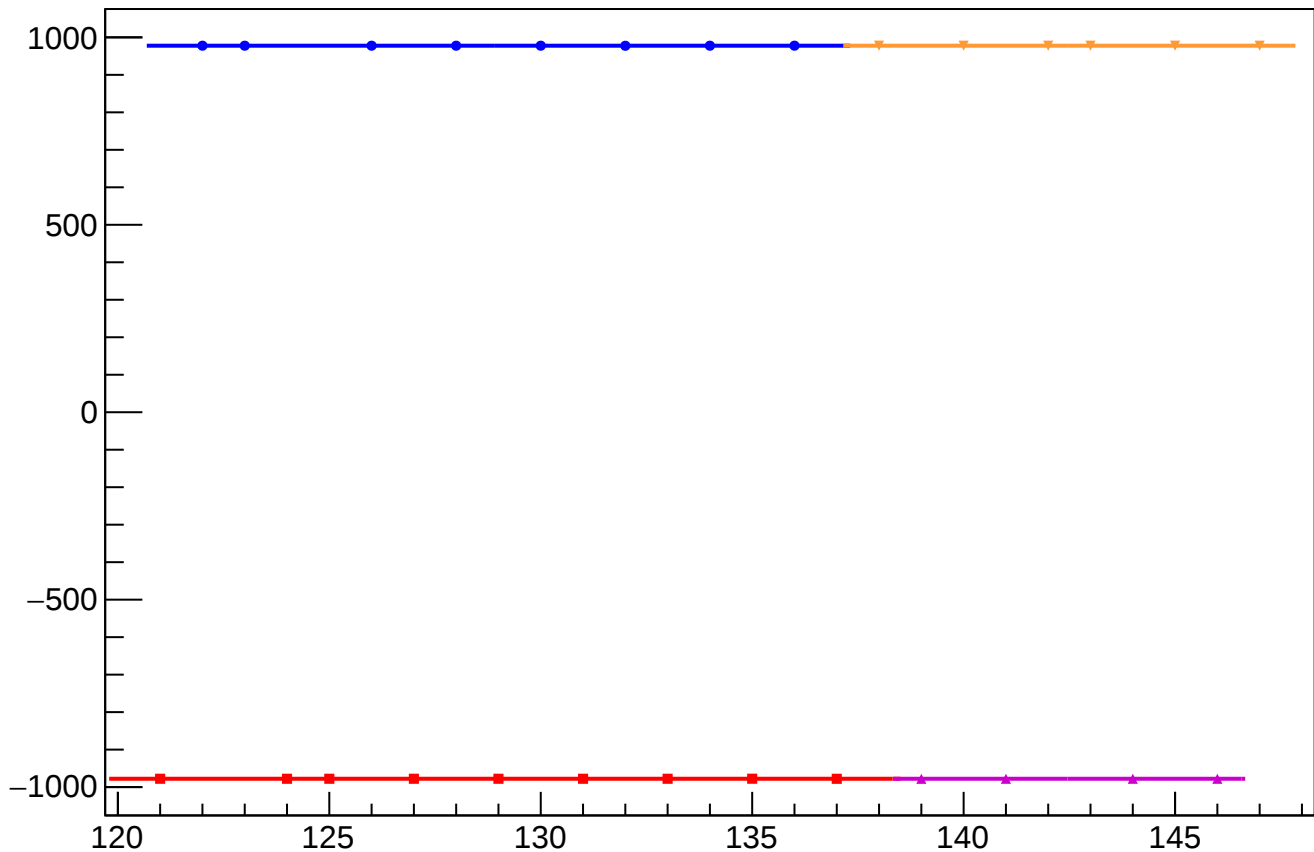
Left In: -762.494+/-0.000 χ^2/NDF : 28378913236387738556219523072.0/3

762.489+/-0.000 χ^2/NDF : 83466401058465460

65.903+/-0.000 χ^2/NDF : 8211446046053

-762.497+/-0.000 χ^2/NDF : 3777313899070274

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.770+/-0.000 χ^2/NDF : 481326286208321305809139007488.0/5

Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

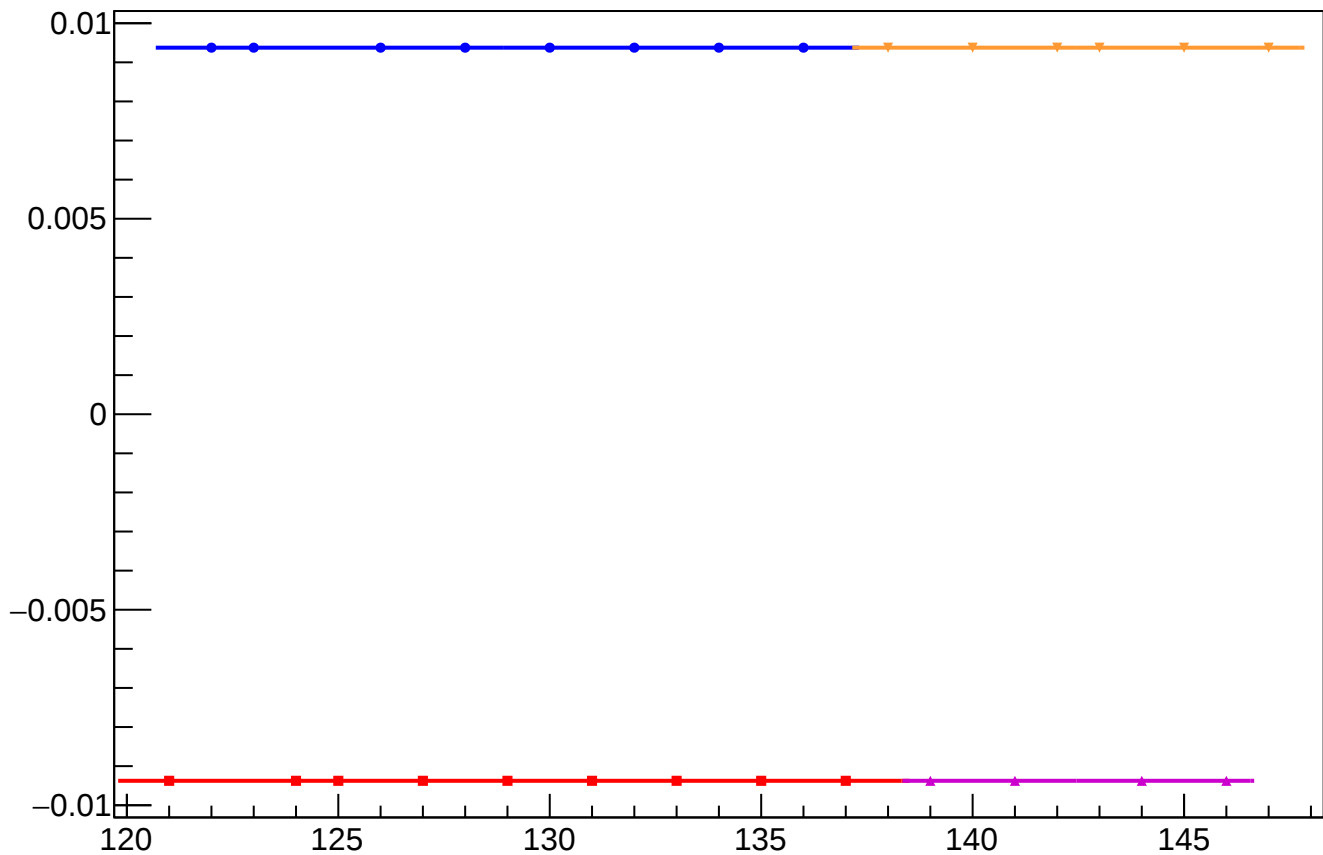
Left In: -977.765+/-0.000 χ^2/NDF : 544349917819004829156184686592.0/3

977.757+/-0.000 χ^2/NDF : 23853772739241125

84.517+/-0.000 χ^2/NDF : 1350228705255

-977.751+/-0.000 χ^2/NDF : 1442750098564898

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/5

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

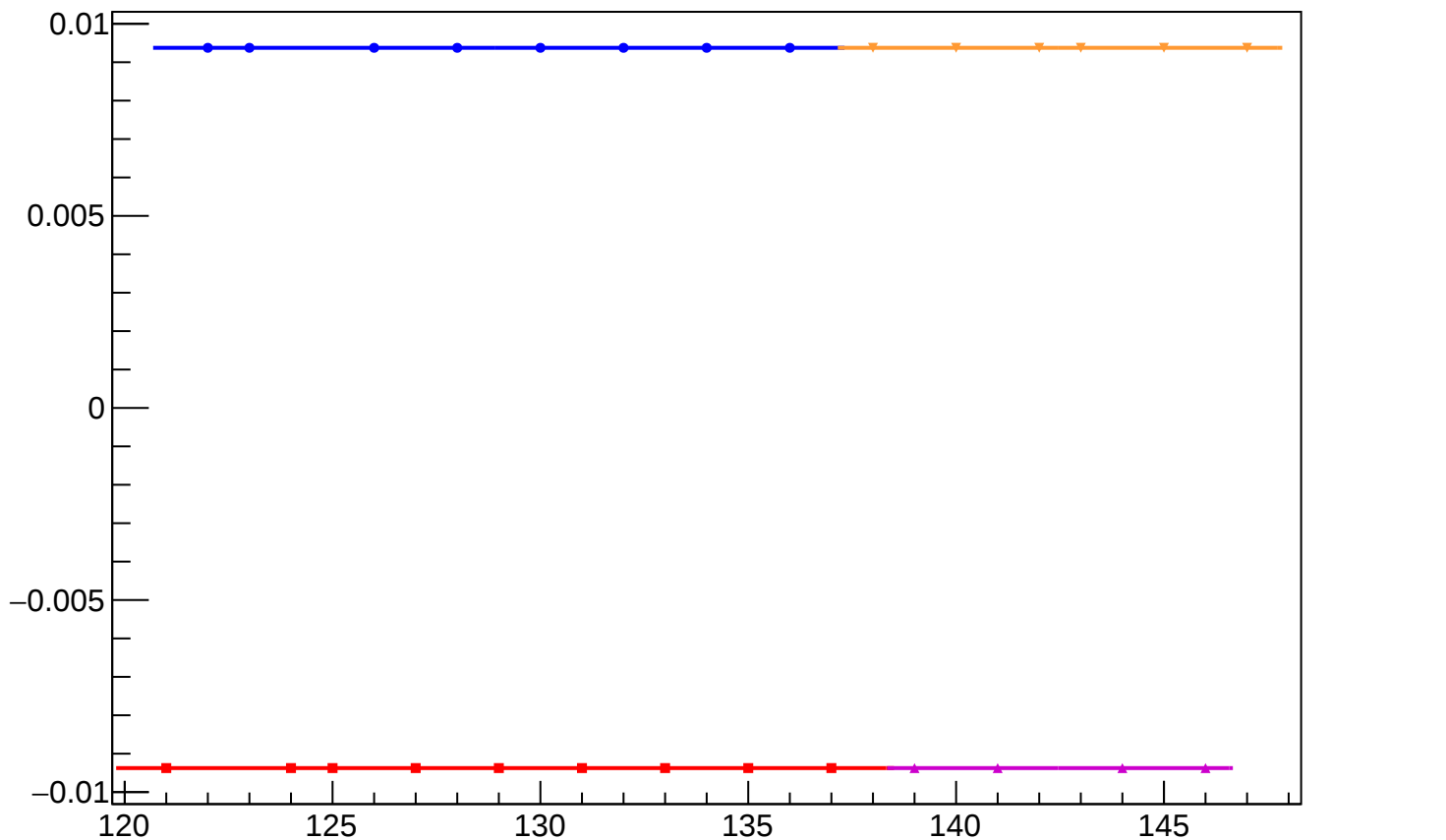
Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/3

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/13

0.001 $\pm$ 0.000 χ^2 /NDF: 12413392700281

-0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/12

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

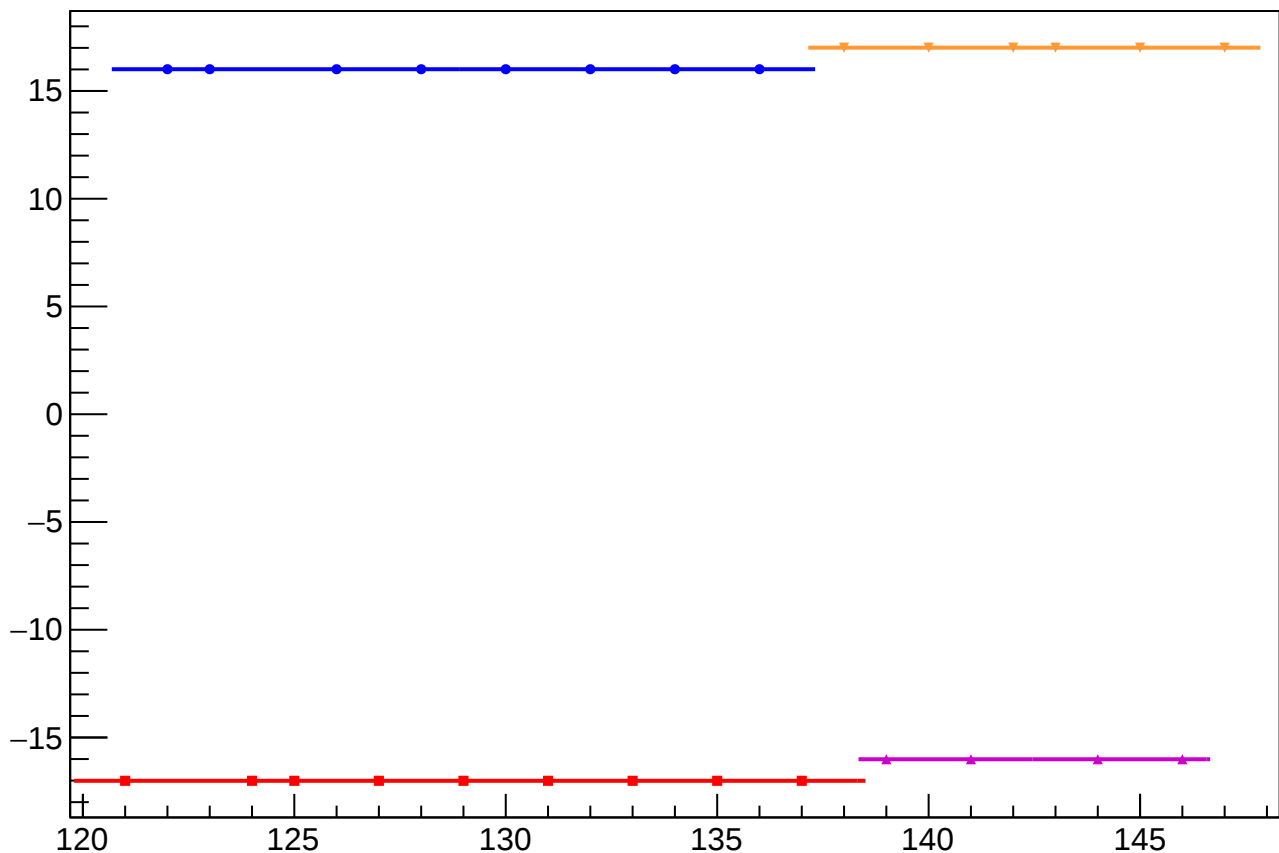
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/3

0.009+/-0.000 χ^2/NDF : 0.1/13

0.001+/-0.000 χ^2/NDF : 12413392700281

-0.009+/-0.000 χ^2/NDF : 0.1/12

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 1044887721734438282854400.0/5

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

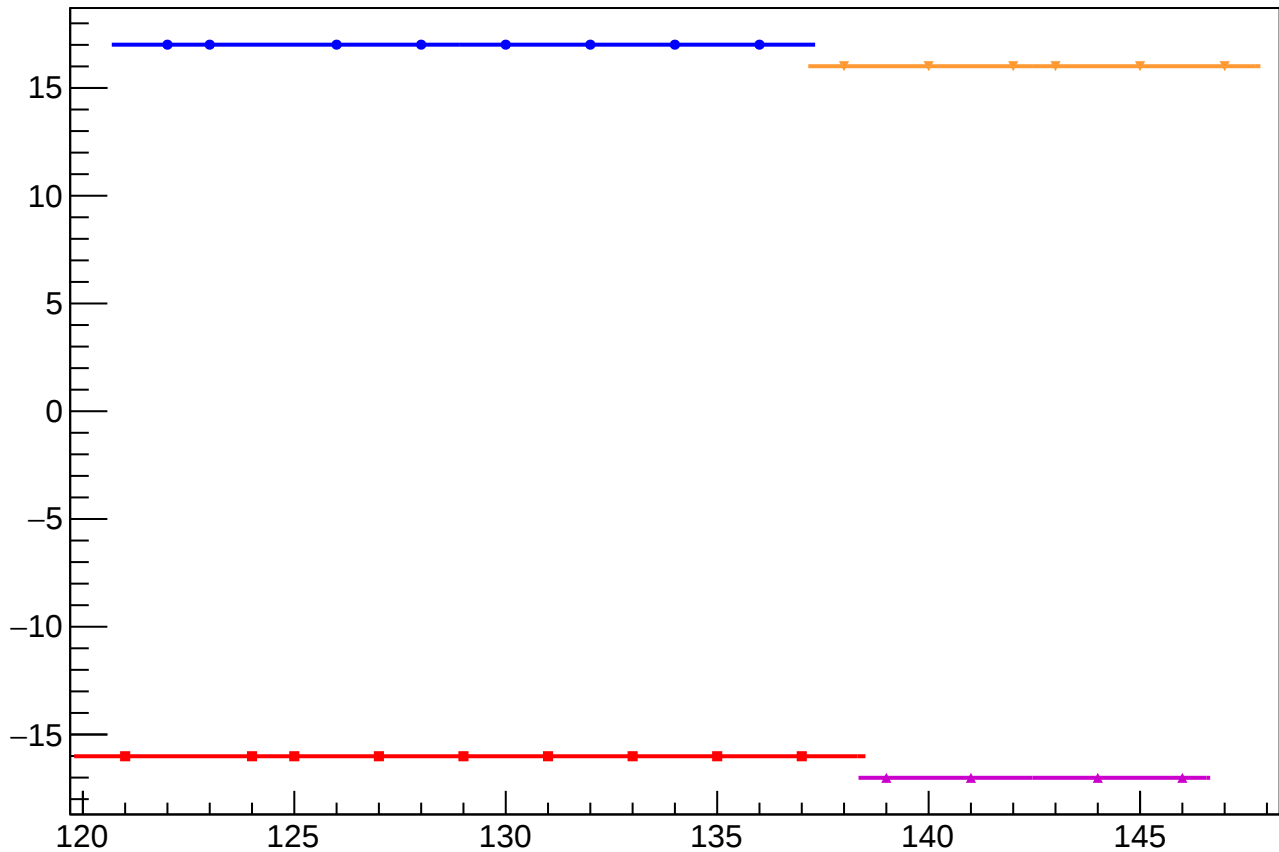
Left In: -16.009+/-0.000 χ^2/NDF : 12912.1/3

16.559+/-0.000 χ^2/NDF : 173708568960181816

1.147+/-0.000 χ^2/NDF : 35801716415936

-16.502+/-0.000 χ^2/NDF : 15317575539650715

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 25937.7/5

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

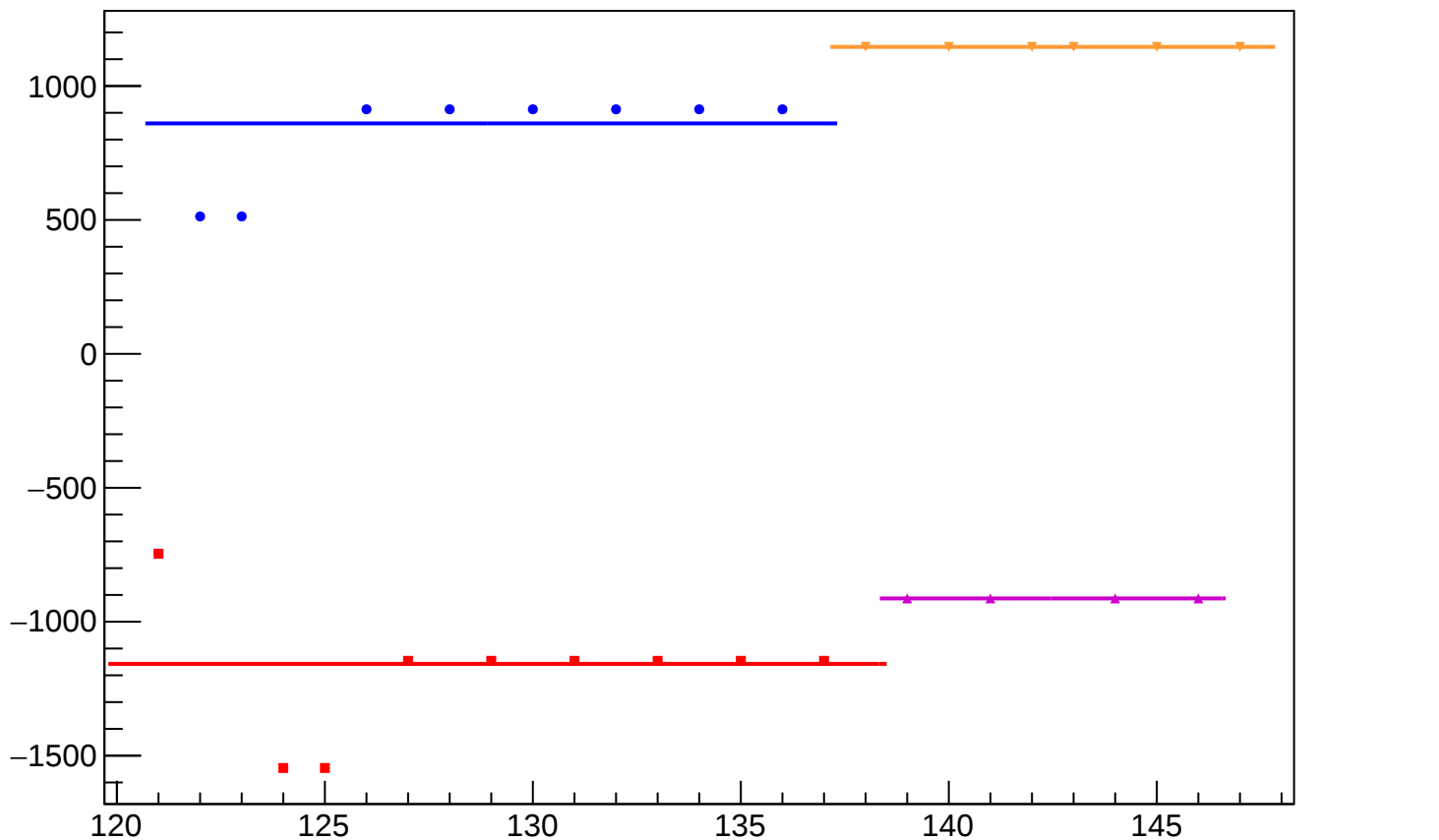
Left In: -17.009+/-0.000 χ^2/NDF : 7320.6/3

16.456+/-0.000 χ^2/NDF : 189105882352936450

1.309+/-0.000 χ^2/NDF : 38246207818159

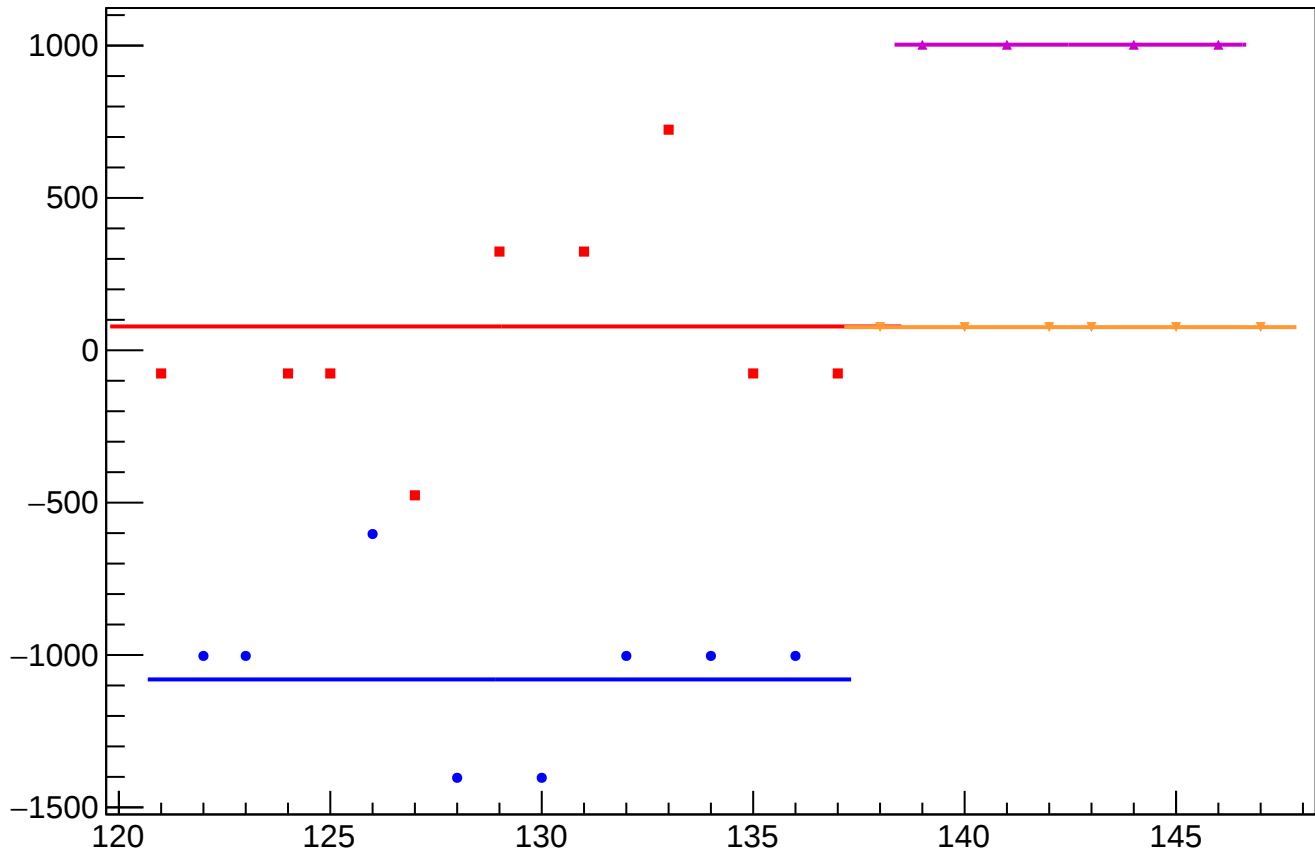
-16.519+/-0.000 χ^2/NDF : 16244461538460020

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 860.361 ± 0.000 $\chi^2/\text{NDF}: 6252693455178703850651720460594577408.0/7$
 Left Out: 1146.011 ± 0.000 $\chi^2/\text{NDF}: 1548329873667026586706116608.0/5$
 Right Out: -1157.295 ± 0.000 $\chi^2/\text{NDF}: 13880040120623316310083946144856014848.0/8$
 Left In: -912.995 ± 0.000 $\chi^2/\text{NDF}: 7634236529884858571737268224.0/3$

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000 χ^2/NDF : 2592846014791548630036643840.0/5

Right Out: 78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.989+/-0.000 χ^2/NDF : 478413898260055476808974336.0/3