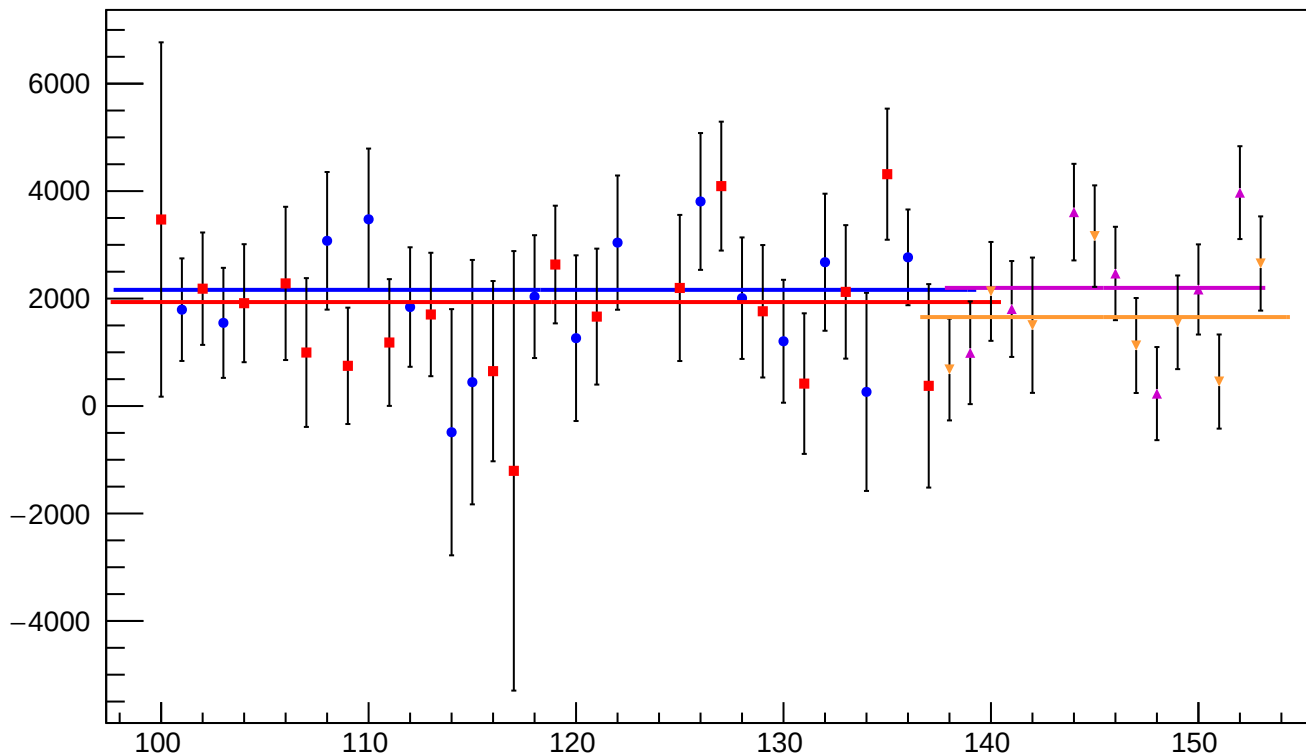


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1655.748+/-328.887

χ^2/NDF : 7.4/7

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 2198.711+/-333.262

χ^2/NDF : 13.7/6

1926.188+/-224.542

χ^2/NDF : 17.6/23

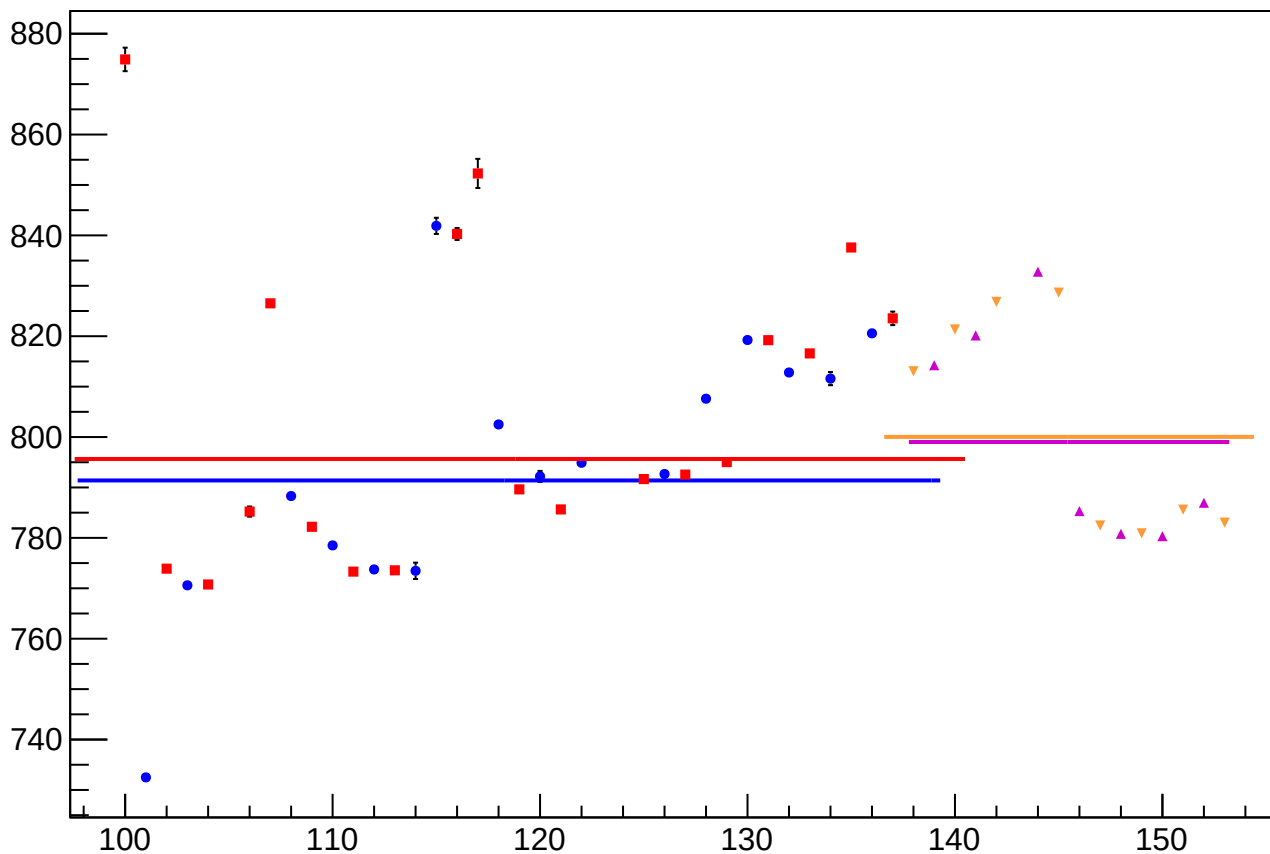
1990.089+/-158.182

χ^2/NDF : 45.1/49

2053.045+/-222.874

χ^2/NDF : 27.3/25

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 800.030 $\pm$ 0.233 χ^2 /NDF: 7240.8/7

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

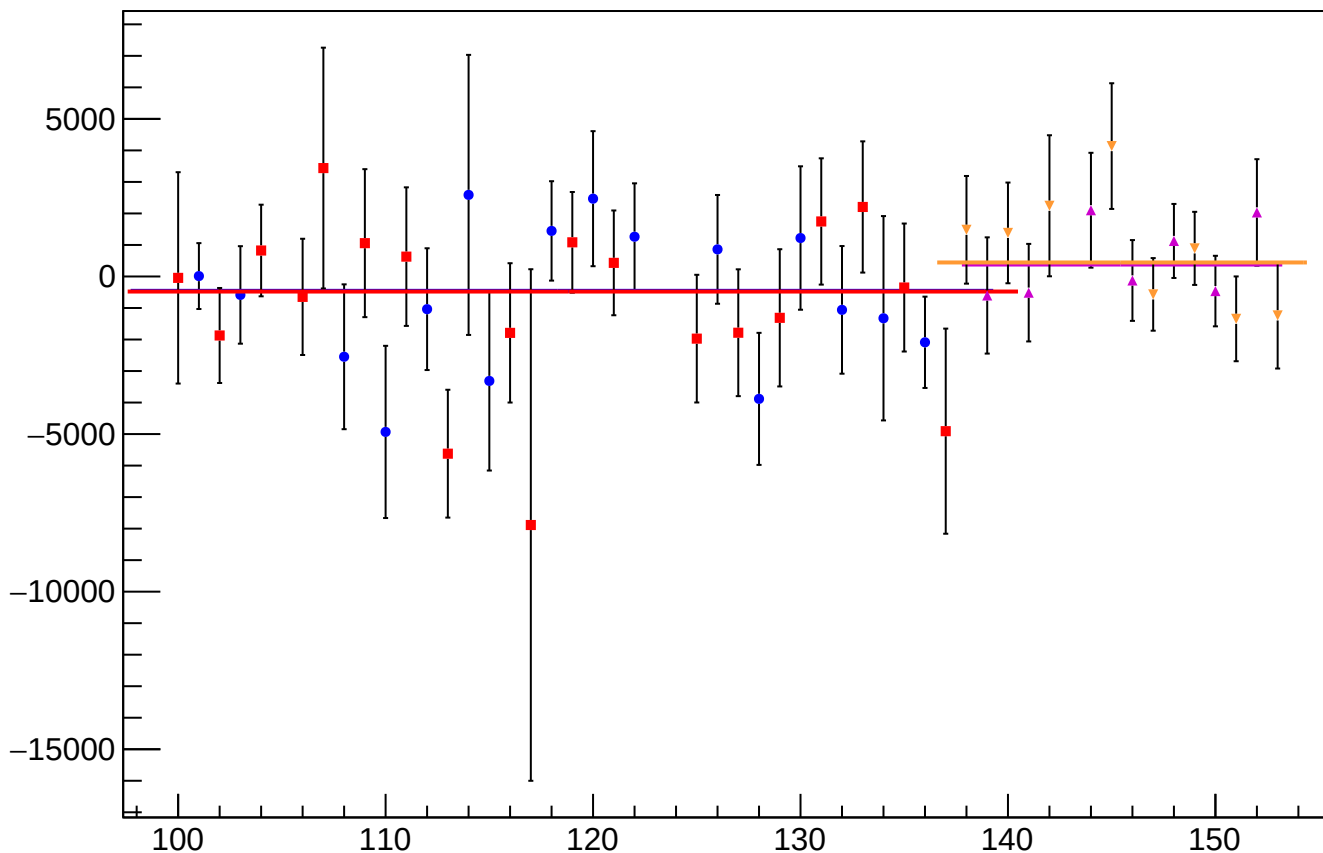
Left In: 799.013 $\pm$ 0.236 χ^2 /NDF: 7216.0/6

795.418 $\pm$ 0.159 χ^2 /NDF: 22985.9/23

796.292 $\pm$ 0.112 χ^2 /NDF: 42320.1/49

797.154 $\pm$ 0.158 χ^2 /NDF: 19273.9/25

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 444.635+/-527.929 χ^2/NDF : 8.5/7

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

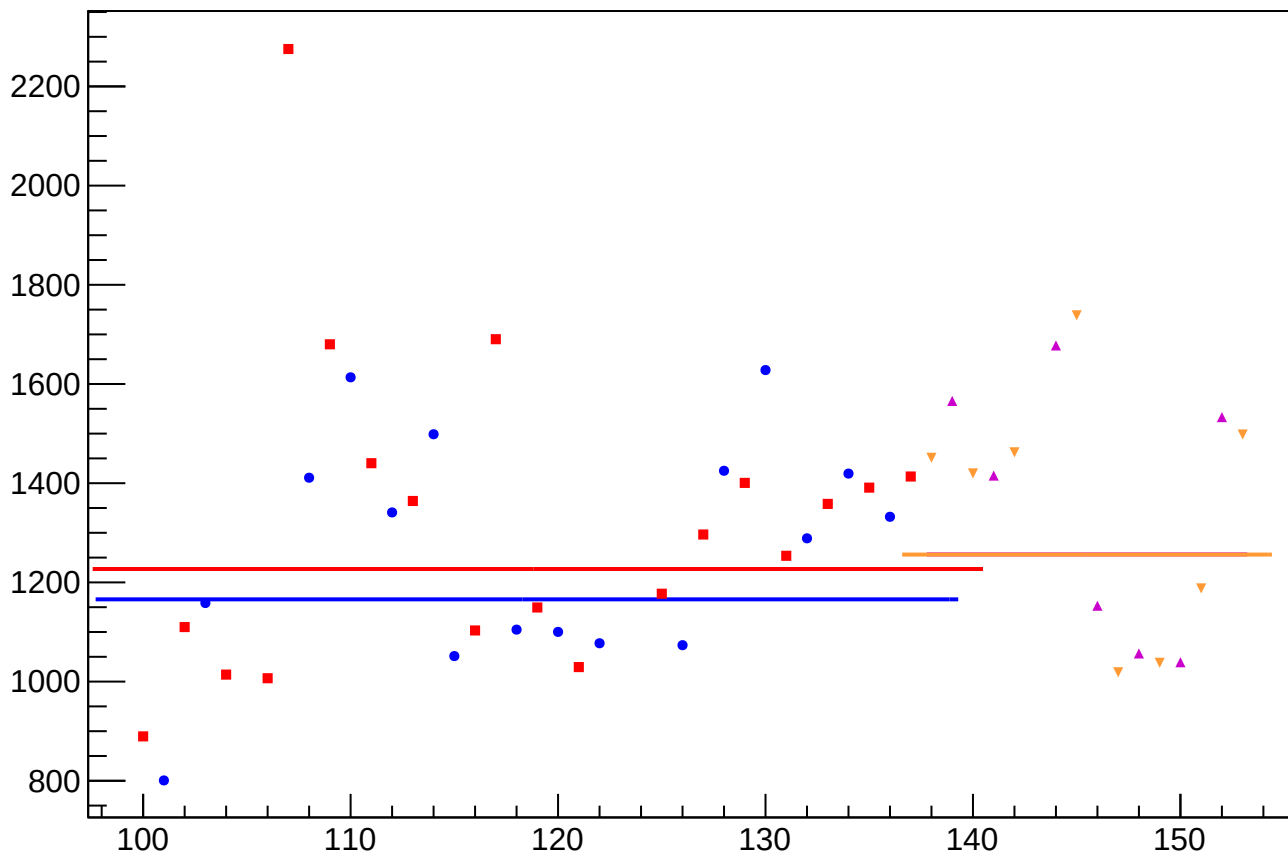
Left In: 379.002+/-534.842 χ^2/NDF : 3.6/6

-63.083+/-348.618 χ^2/NDF : 25.0/23

-82.592+/-248.350 χ^2/NDF : 48.2/49

-102.694+/-353.880 χ^2/NDF : 23.2/25

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1256.085 $\pm$ 0.373 χ^2 /NDF: 383221.1/7

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

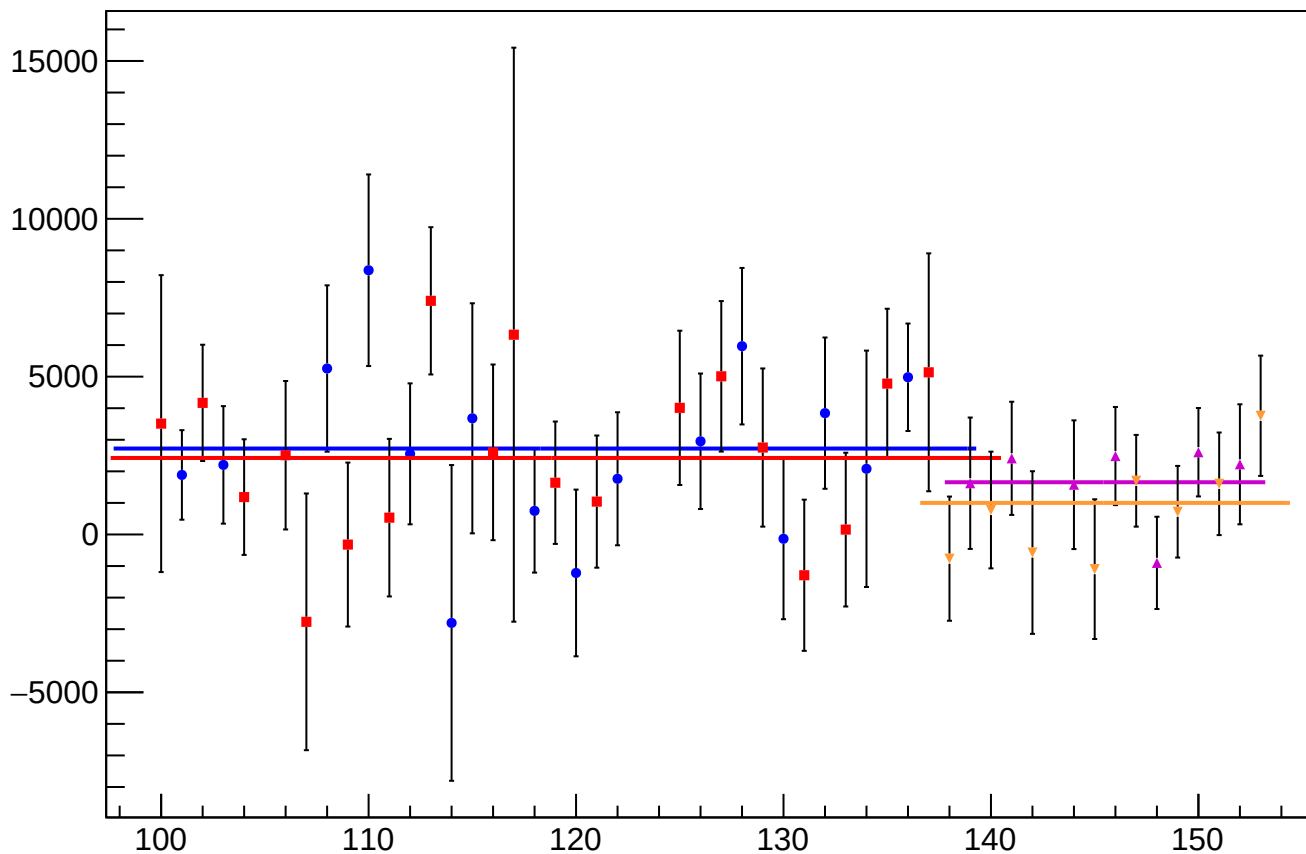
Left In: 1256.425 $\pm$ 0.378 χ^2 /NDF: 384422.8/6

1205.177 $\pm$ 0.247 χ^2 /NDF: 943000.9/23

1222.275 $\pm$ 0.176 χ^2 /NDF: 1787551.6/49

1239.893 $\pm$ 0.250 χ^2 /NDF: 834782.6/25

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1000.390 $\pm$ 631.455 χ^2 /NDF: 4.6/7

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

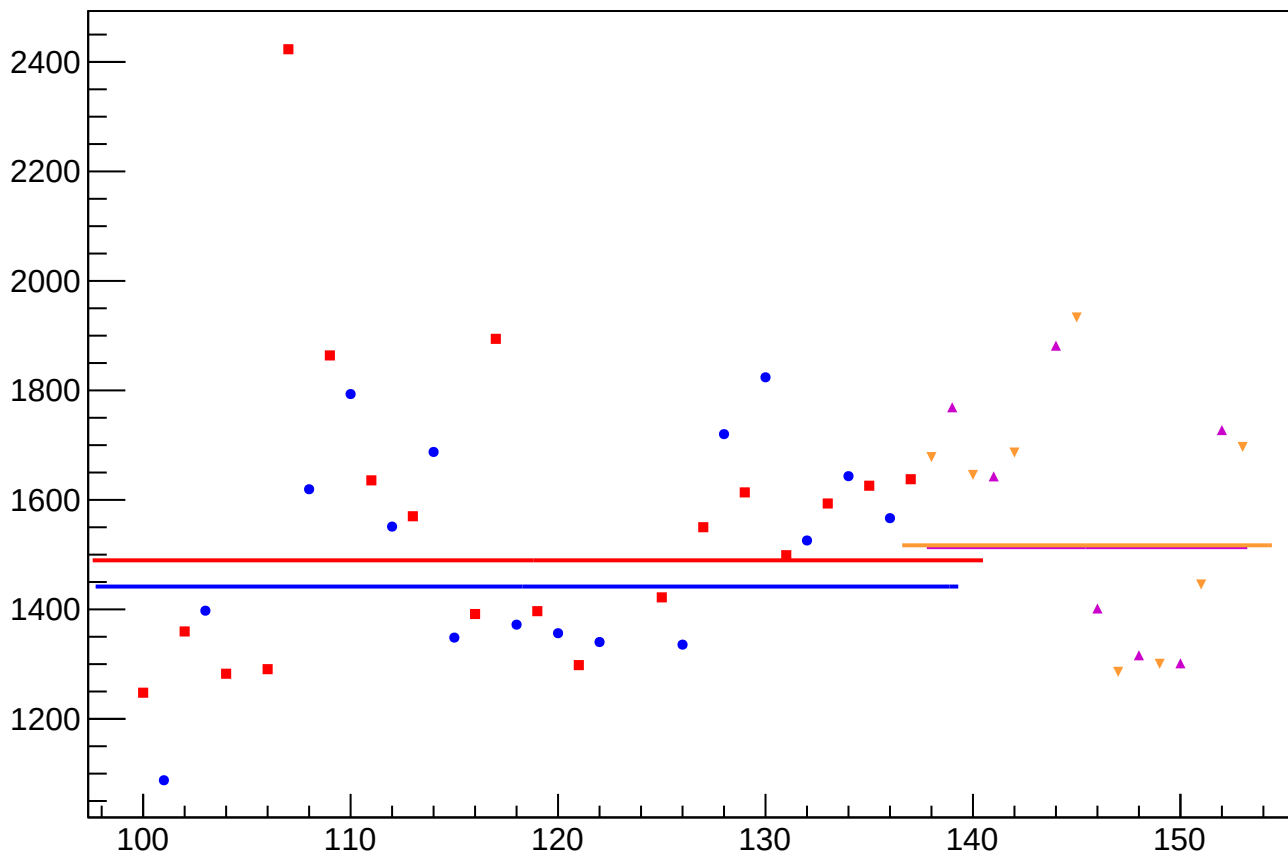
Left In: 1654.568 $\pm$ 638.726 χ^2 /NDF: 4.1/6

1953.460 $\pm$ 421.946 χ^2 /NDF: 23.3/23

2018.437 $\pm$ 299.222 χ^2 /NDF: 44.7/49

2084.169 $\pm$ 424.392 χ^2 /NDF: 21.4/25

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1441.720 $\pm$ 0.401 χ^2 /NDF: 275902.8/15

Left Out: 1517.049 $\pm$ 0.447 χ^2 /NDF: 219207.7/7

Right Out: 1489.610 $\pm$ 0.402 χ^2 /NDF: 260116.0/18

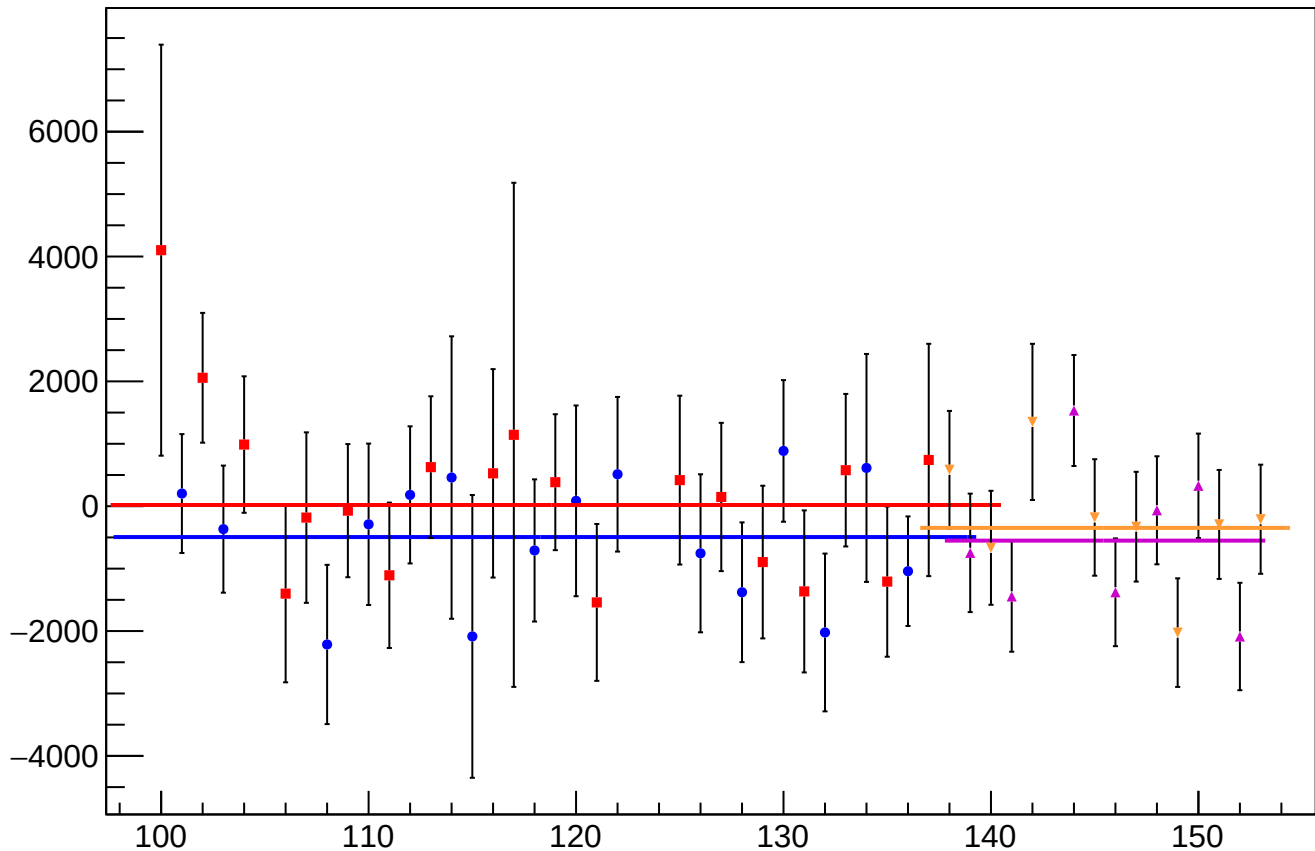
Left In: 1513.679 $\pm$ 0.452 χ^2 /NDF: 223809.6/6

1475.355 $\pm$ 0.298 χ^2 /NDF: 510863.9/23

1487.723 $\pm$ 0.212 χ^2 /NDF: 999832.7/49

1500.236 $\pm$ 0.300 χ^2 /NDF: 485511.8/25

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -347.095+/-327.092 χ^2/NDF : 6.7/7

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

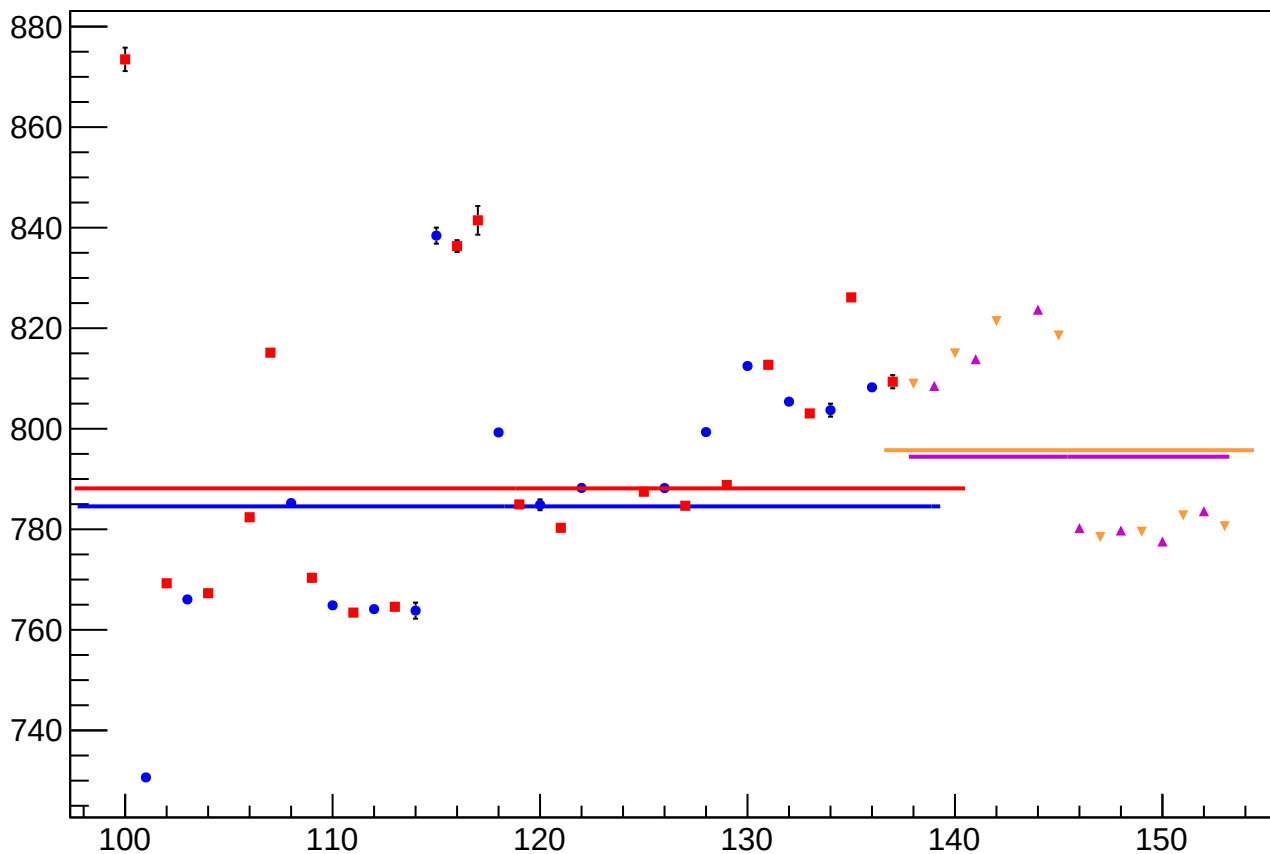
Left In: -551.364+/-331.324 χ^2/NDF : 12.1/6

-425.881+/-222.930 χ^2/NDF : 15.5/23

-329.516+/-156.993 χ^2/NDF : 43.0/49

-234.706+/-221.125 χ^2/NDF : 27.2/25

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 795.731+/-0.231 χ^2/NDF : 5829.7/7

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

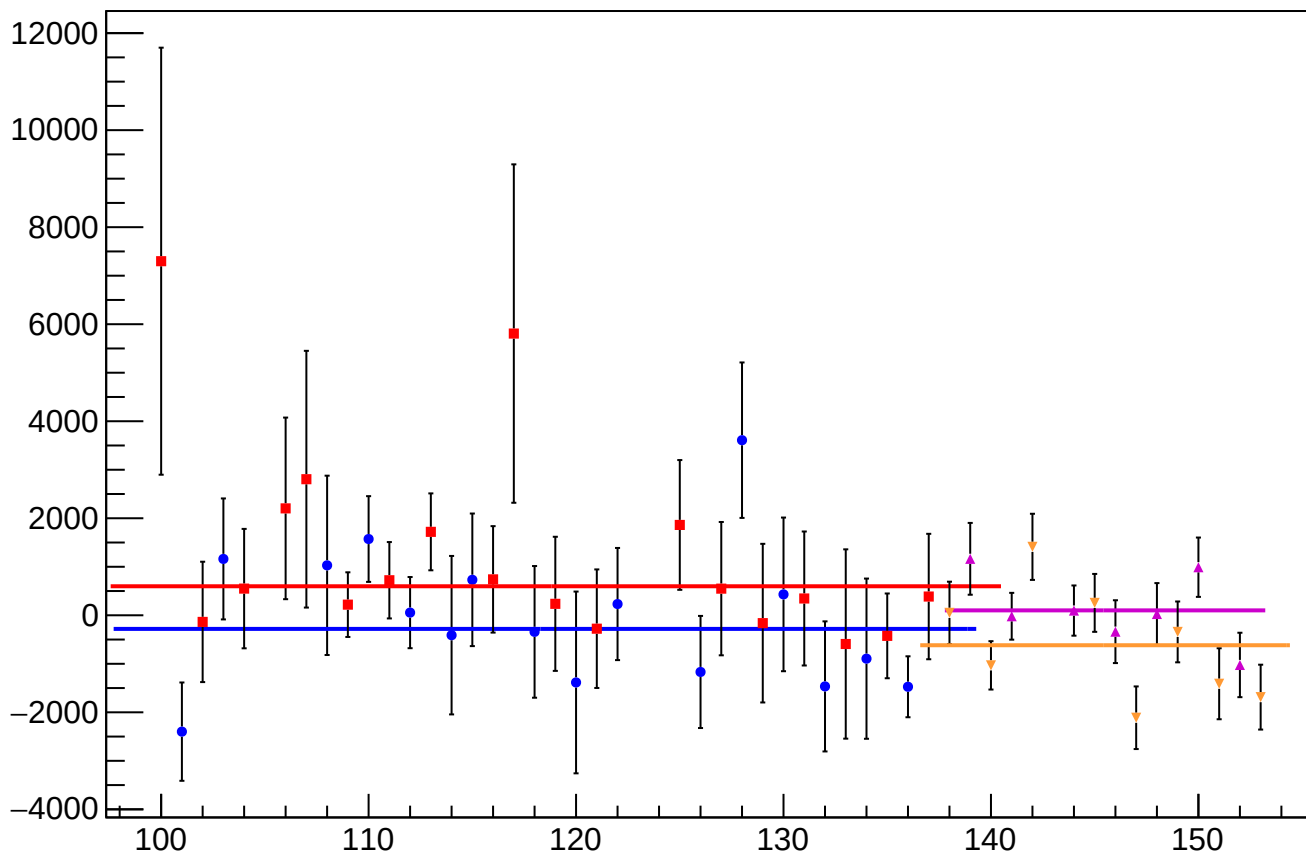
Left In: 794.437+/-0.234 χ^2/NDF : 5813.8/6

789.748+/-0.158 χ^2/NDF : 20757.1/23

790.350+/-0.111 χ^2/NDF : 38261.0/49

790.942+/-0.156 χ^2/NDF : 17475.0/25

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -617.378+/-221.100 χ^2/NDF : 22.1/7

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

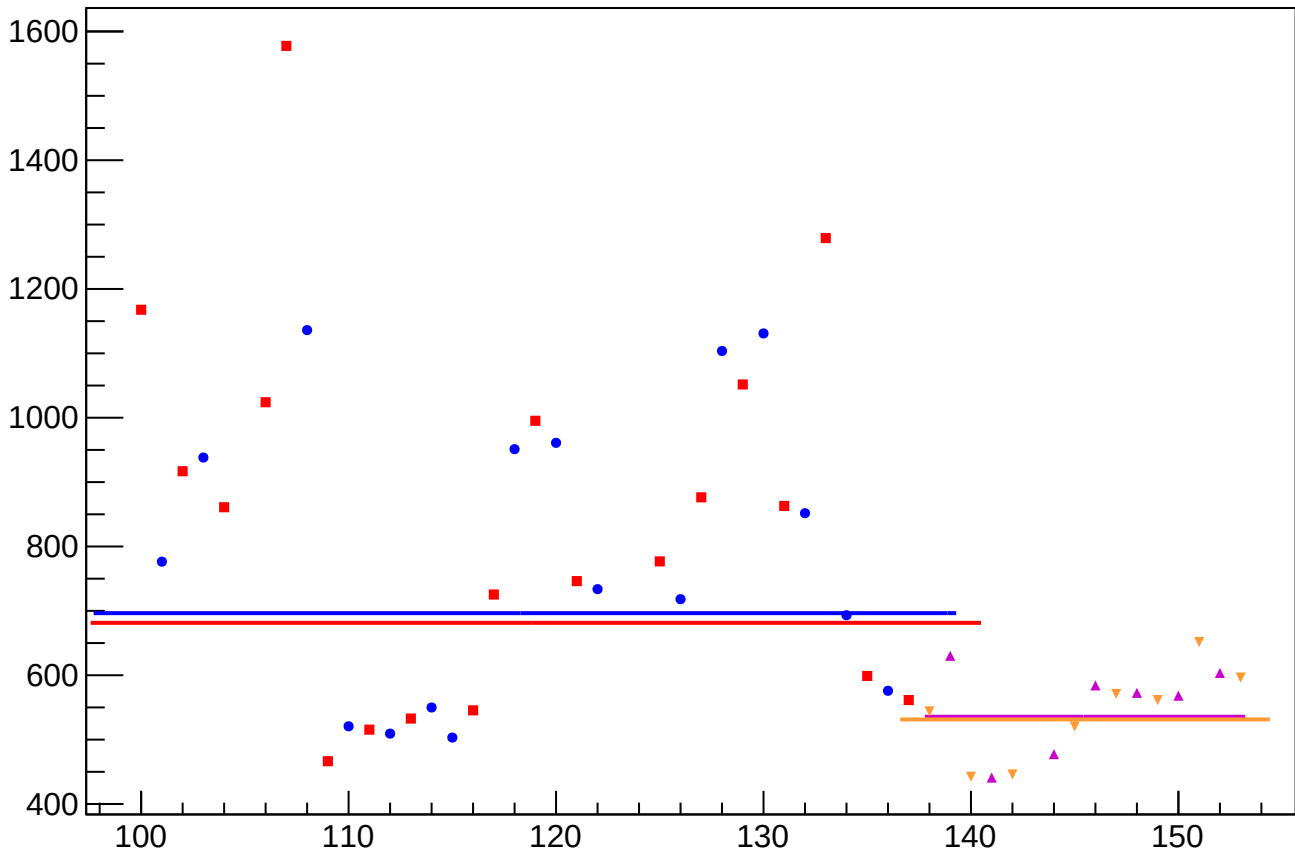
Left In: 101.182+/-225.593 χ^2/NDF : 7.6/6

-489.460+/-174.114 χ^2/NDF : 46.1/23

-91.858+/-122.955 χ^2/NDF : 78.2/49

303.654+/-173.655 χ^2/NDF : 21.8/25

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 531.341+/-0.156 χ^2/NDF : 181592.0/7

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

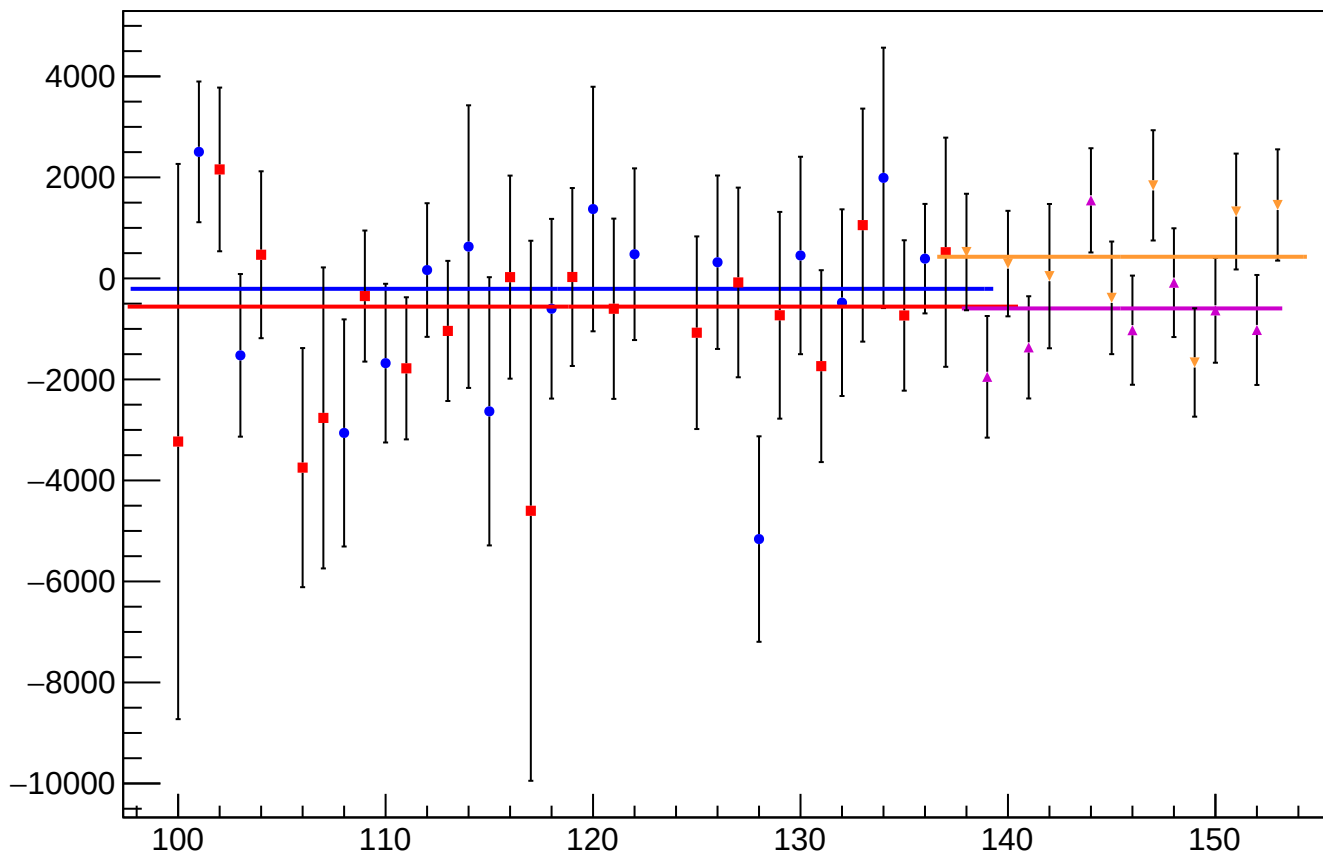
Left In: 535.515+/-0.160 χ^2/NDF : 179493.7/6

594.064+/-0.123 χ^2/NDF : 1564803.0/23

594.510+/-0.087 χ^2/NDF : 3437960.9/49

594.954+/-0.123 χ^2/NDF : 1873131.8/25

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.385 $\pm$ 433.774 χ^2/NDF : 15.8/15

Left Out: 428.410 $\pm$ 399.855 χ^2/NDF : 7.6/7

Right Out: -558.638 $\pm$ 425.771 χ^2/NDF : 8.7/18

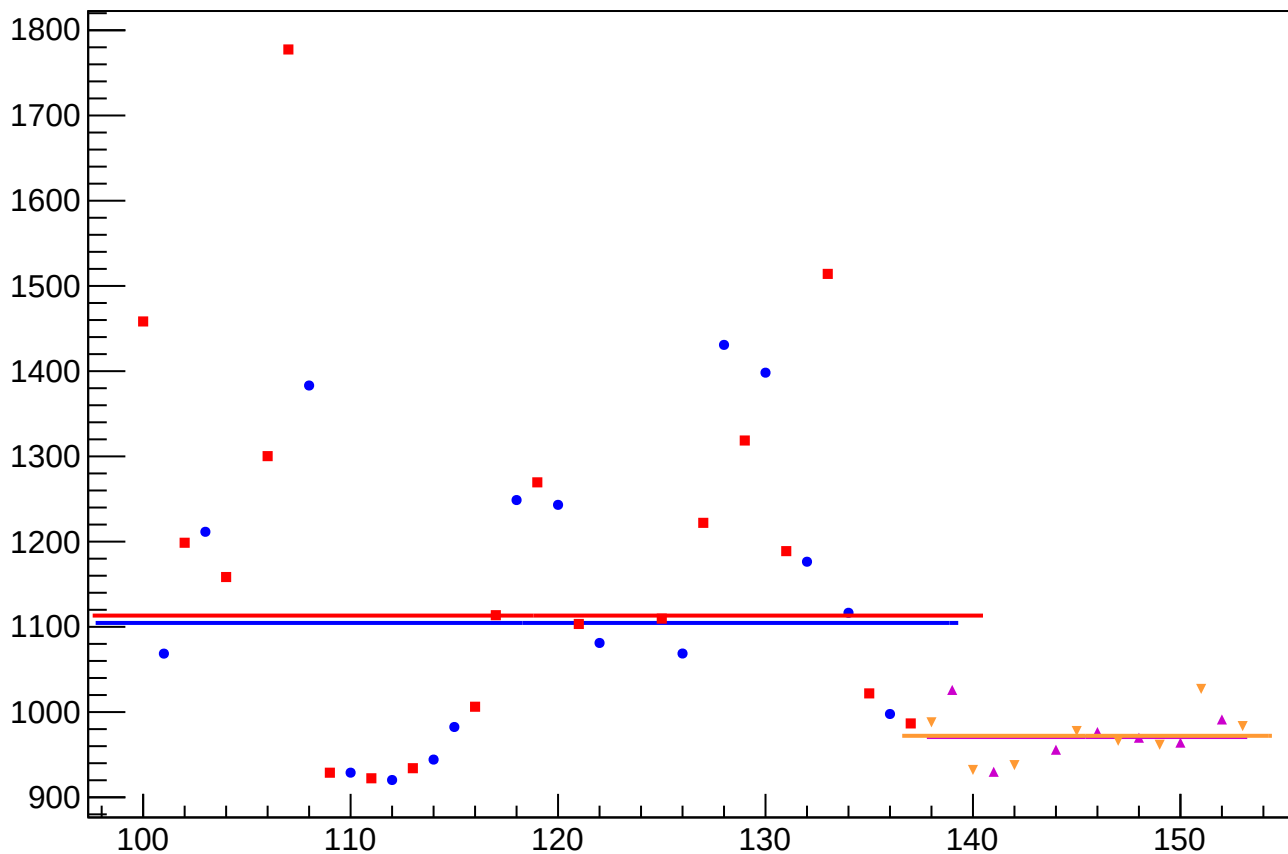
Left In: -594.508 $\pm$ 404.980 χ^2/NDF : 6.7/6

136.799 $\pm$ 294.001 χ^2/NDF : 24.5/23

-221.019 $\pm$ 207.691 χ^2/NDF : 42.9/49

-577.470 $\pm$ 293.439 χ^2/NDF : 15.4/25

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 972.158 ± 0.283 χ^2/NDF : 9593.3/7

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

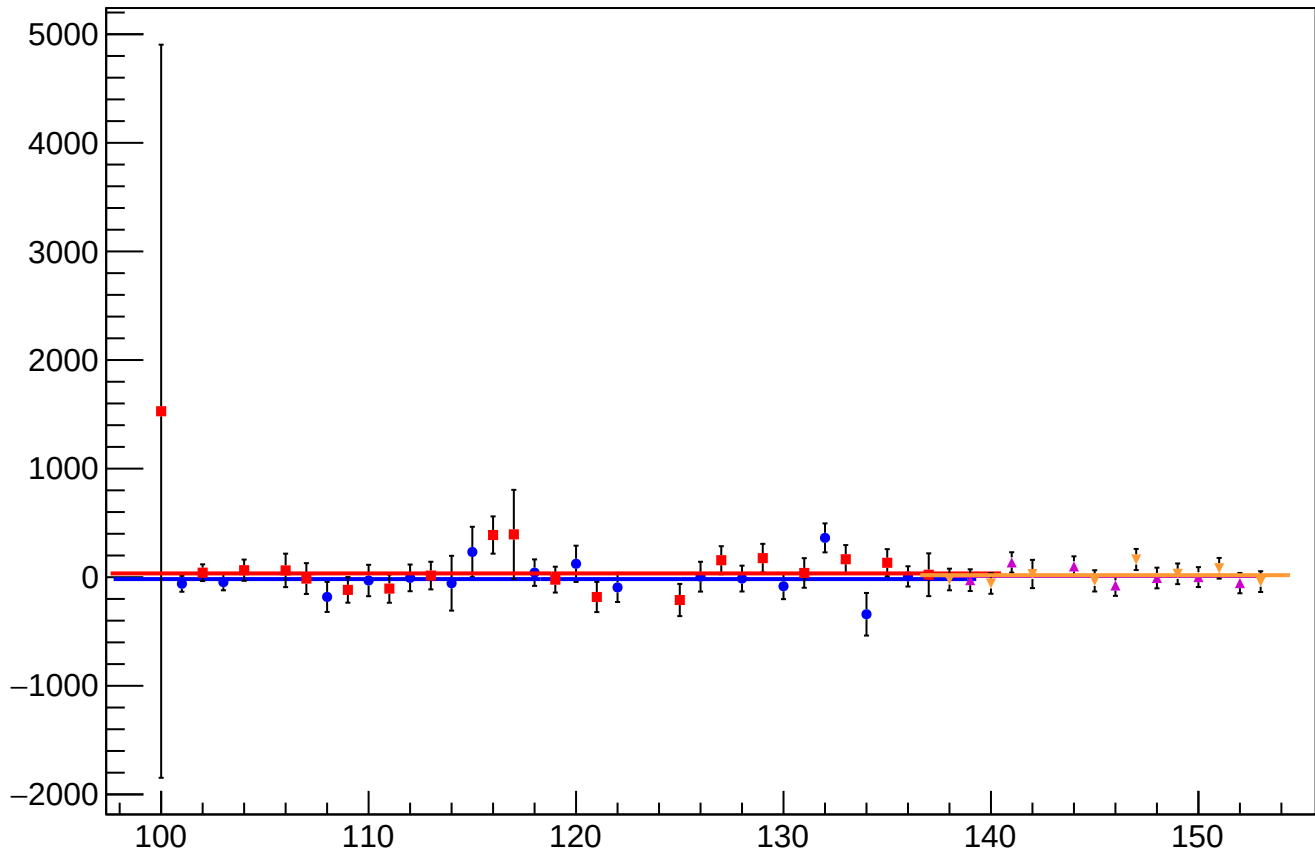
Left In: 970.714 ± 0.286 χ^2/NDF : 8735.0/6

1032.998 ± 0.208 χ^2/NDF : 365872.3/23

1035.705 ± 0.147 χ^2/NDF : 855554.1/49

1038.402 ± 0.207 χ^2/NDF : 489343.3/25

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 18.821+/-35.128 χ^2/NDF : 4.1/7

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

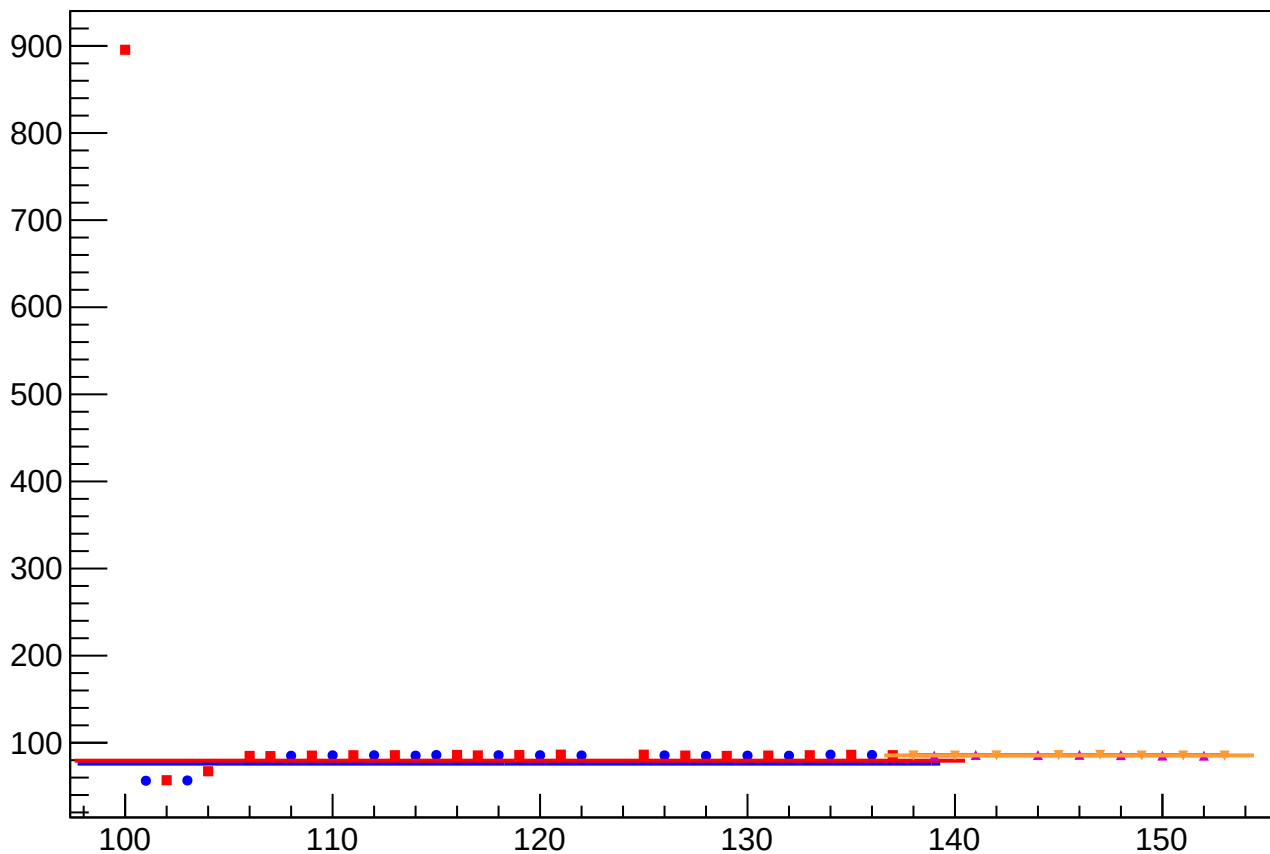
Left In: 11.703+/-35.727 χ^2/NDF : 4.2/6

-2.036+/-22.807 χ^2/NDF : 20.3/23

11.366+/-16.242 χ^2/NDF : 42.8/49

25.157+/-23.136 χ^2/NDF : 21.8/25

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.477+/-0.025 χ^2/NDF :149.6/7

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

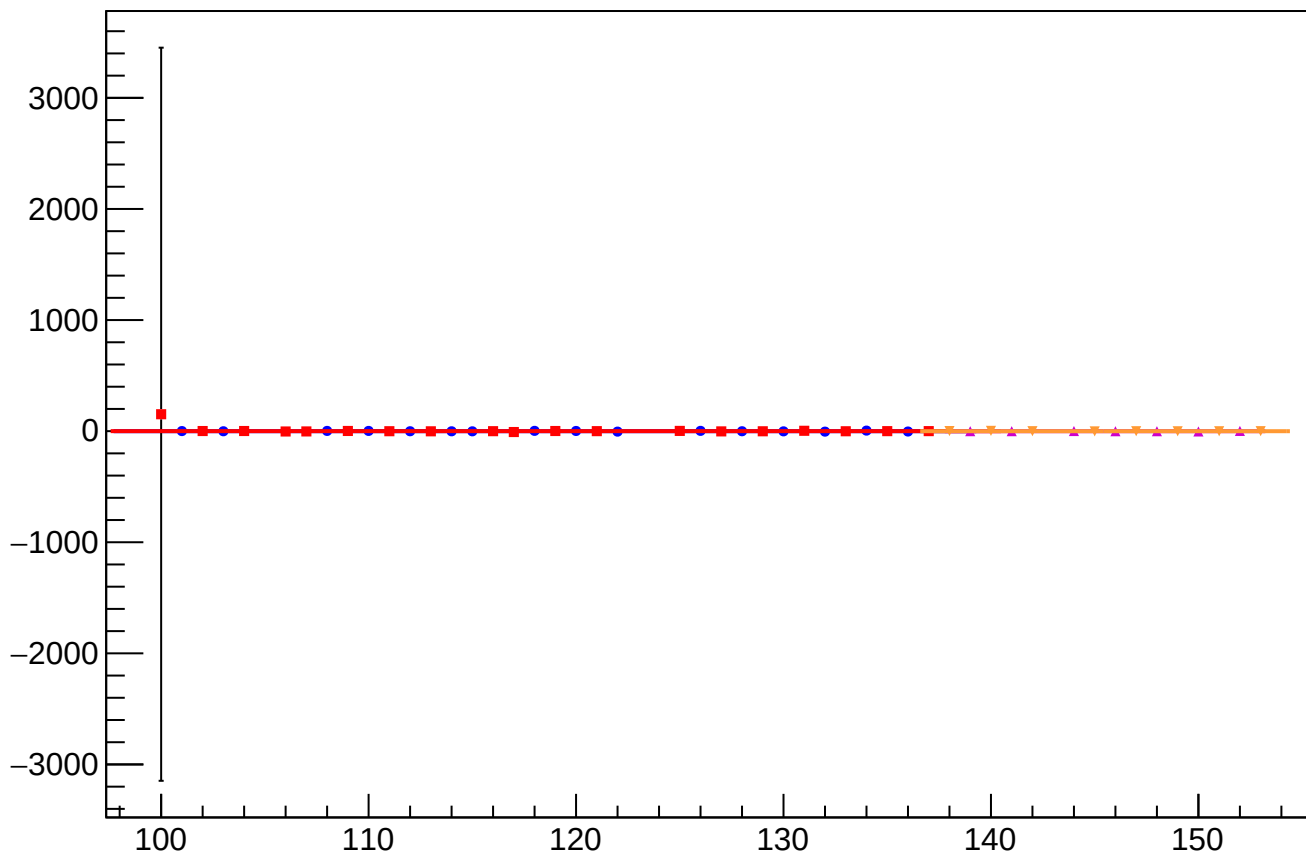
Left In: 85.683+/-0.025 χ^2/NDF :208.4/6

80.041+/-0.016 χ^2/NDF : 492126.6/23

81.030+/-0.011 χ^2/NDF : 914578.2/49

82.048+/-0.016 χ^2/NDF : 414817.3/25

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.430 ± 0.597 χ^2/NDF : 4.6/7

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

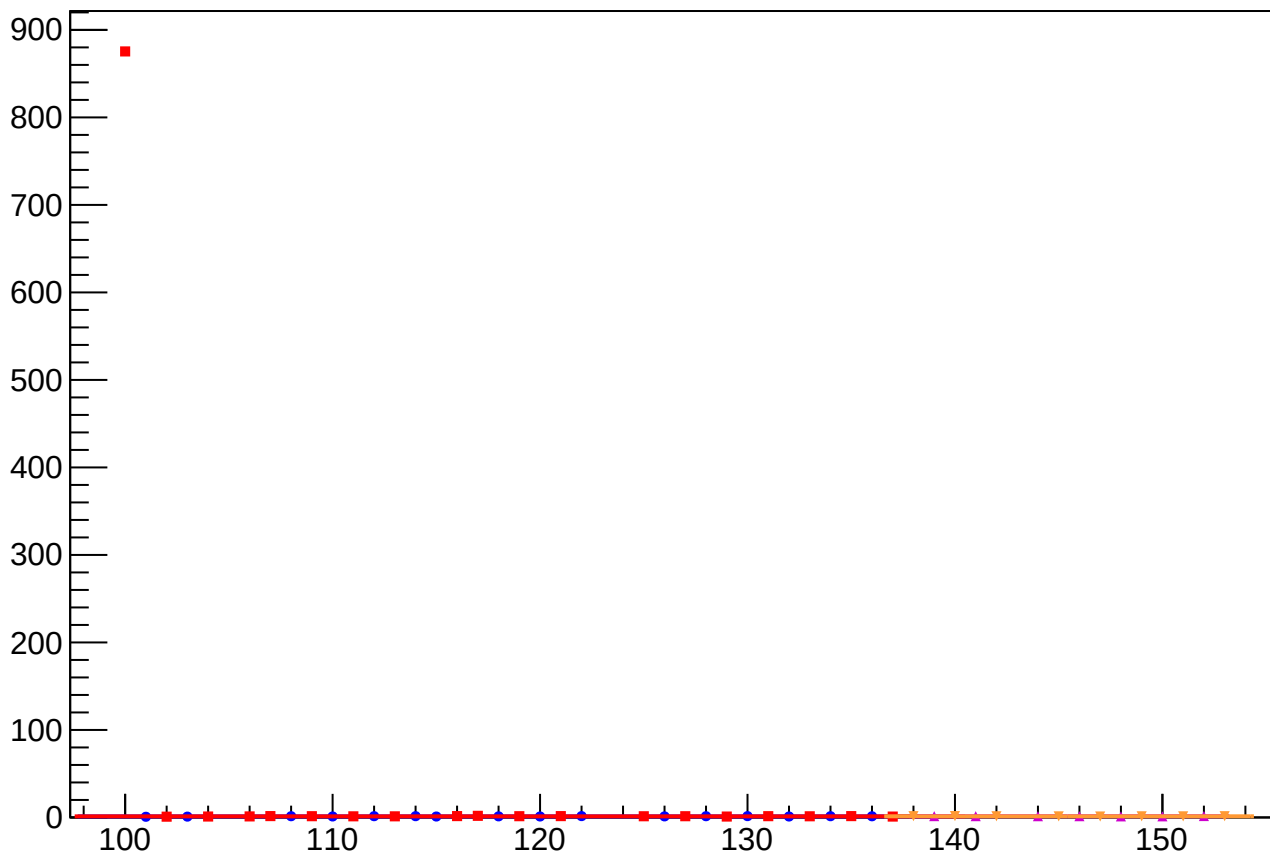
Left In: -0.303 ± 0.638 χ^2/NDF : 4.8/6

-0.342 ± 0.384 χ^2/NDF : 25.8/23

-0.222 ± 0.278 χ^2/NDF : 40.7/49

-0.090 ± 0.403 χ^2/NDF : 14.7/25

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.318 $\pm$ 0.000 χ^2 /NDF:116960.1/7

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

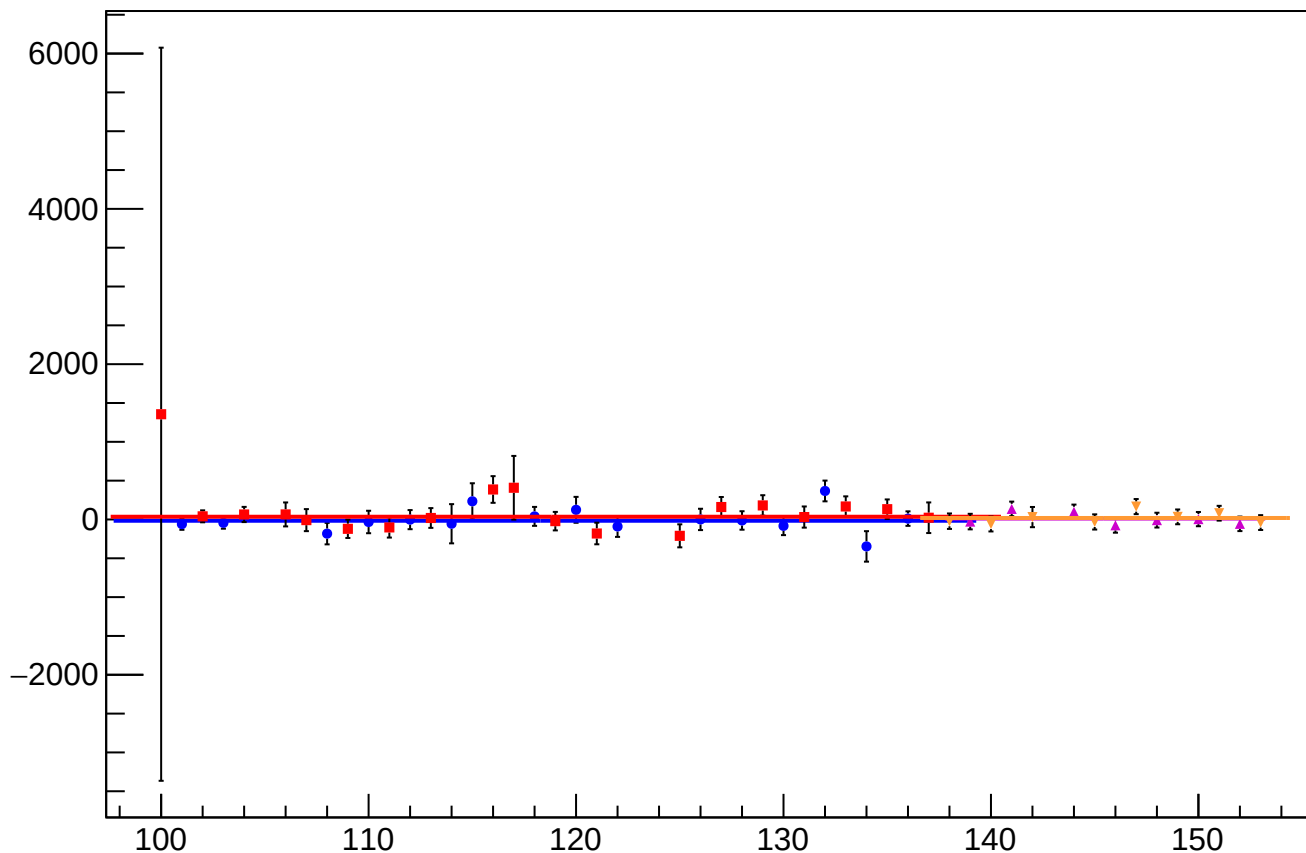
Left In: 1.417 $\pm$ 0.000 χ^2 /NDF:73270.5/6

1.221 $\pm$ 0.000 χ^2 /NDF: 721098.3/23

1.266 $\pm$ 0.000 χ^2 /NDF: 1462462.0/49

1.316 $\pm$ 0.000 χ^2 /NDF: 682610.7/25

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 19.229 ± 35.137 χ^2/NDF : 4.2/7

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

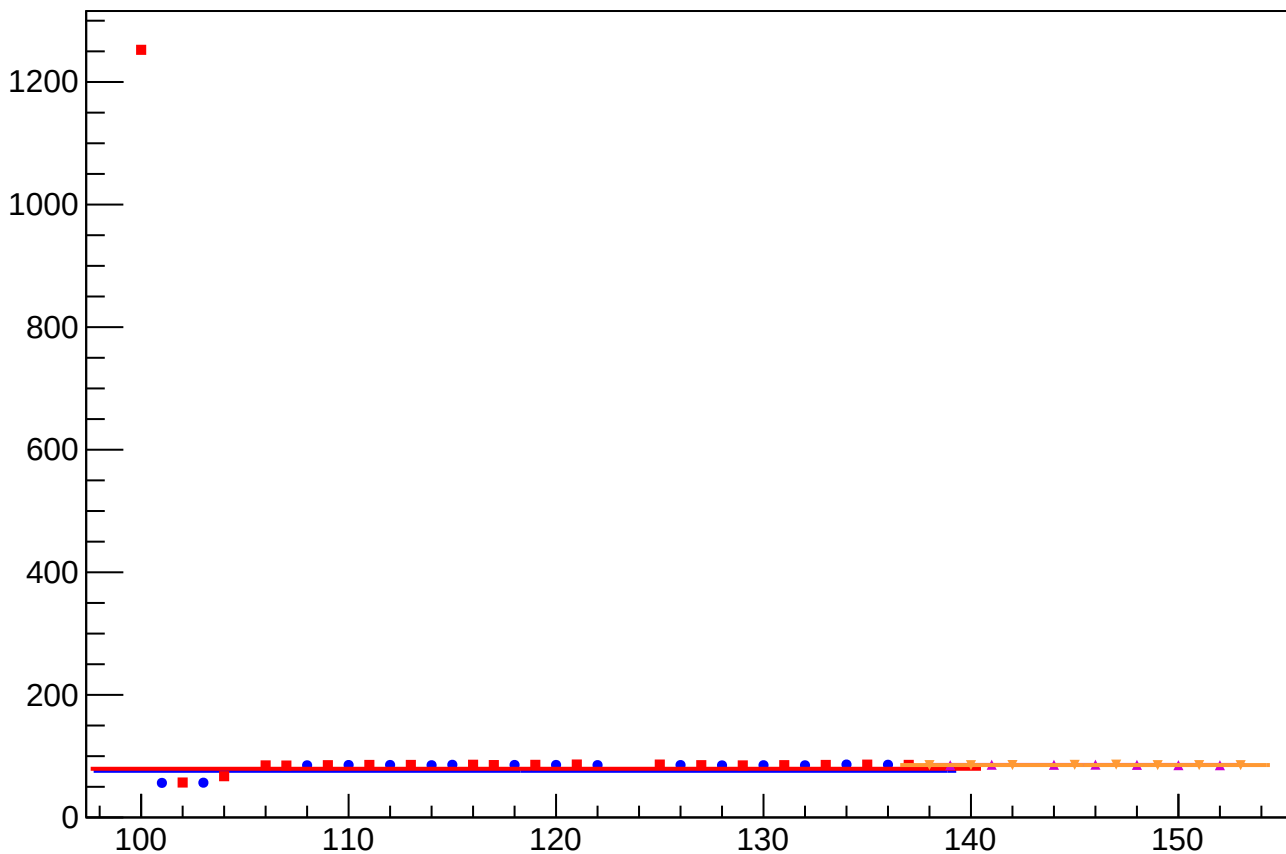
Left In: 11.893 ± 35.736 χ^2/NDF : 4.2/6

-1.329 ± 22.813 χ^2/NDF : 20.7/23

11.849 ± 16.247 χ^2/NDF : 43.1/49

25.409 ± 23.143 χ^2/NDF : 21.8/25

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.500+/-0.025 χ^2/NDF : 149.6/7

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

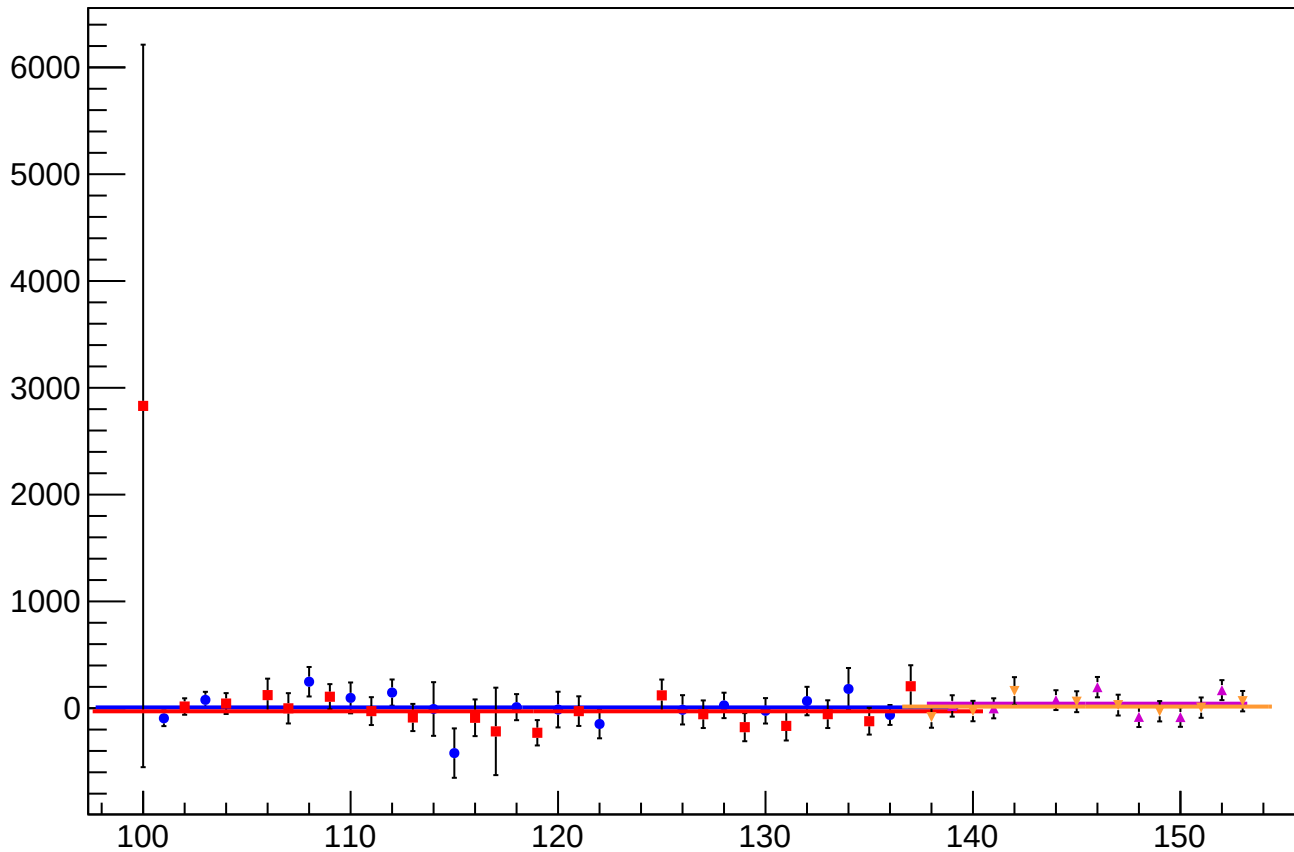
Left In: 85.706+/-0.025 χ^2/NDF : 208.0/6

80.062+/-0.016 χ^2/NDF : 492159.0/23

81.047+/-0.011 χ^2/NDF : 921264.4/49

82.060+/-0.016 χ^2/NDF : 421545.1/25

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 15.326 ± 35.131 χ^2/NDF : 3.2/7

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

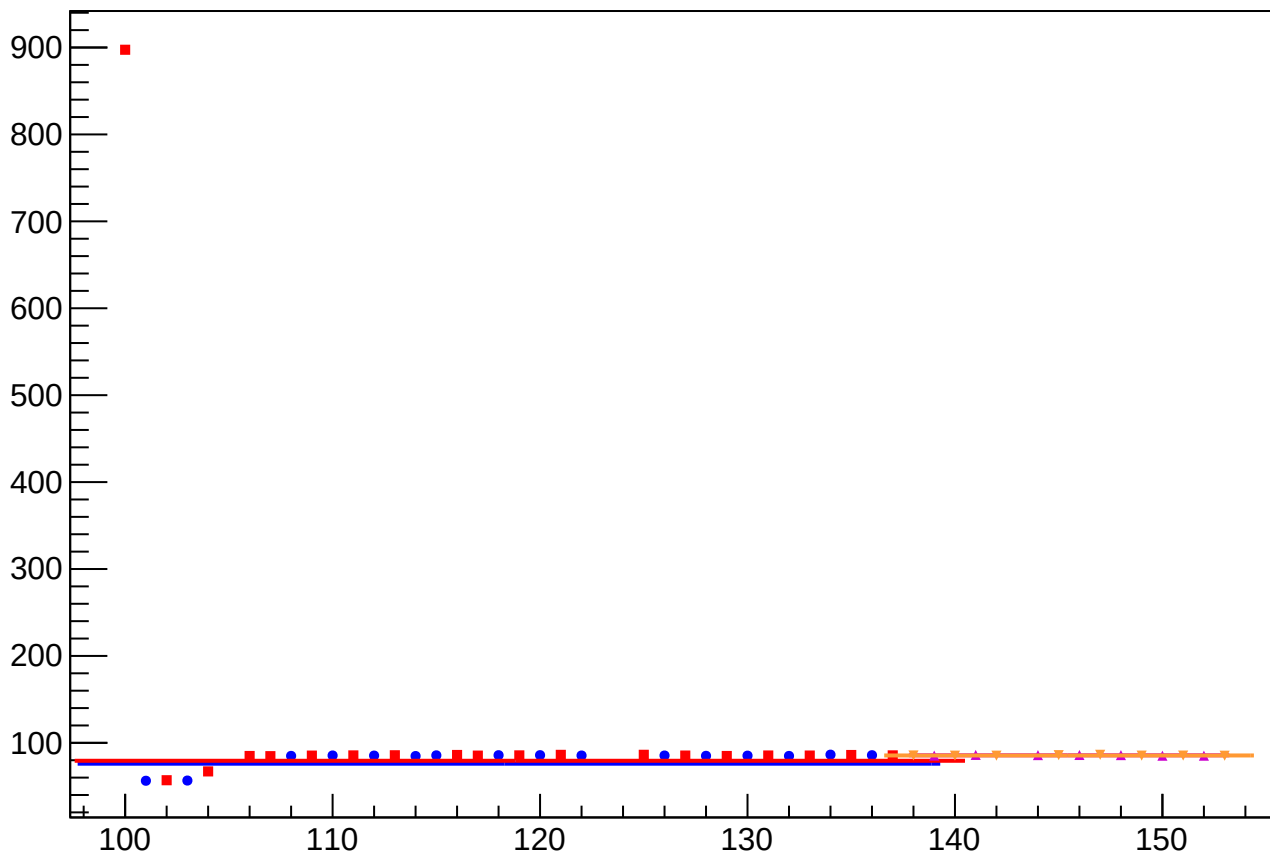
Left In: 42.392 ± 35.729 χ^2/NDF : 8.4/6

10.773 ± 22.800 χ^2/NDF : 17.1/23

5.927 ± 16.237 χ^2/NDF : 40.7/49

0.940 ± 23.129 χ^2/NDF : 23.4/25

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.485 $\pm$ 0.025 χ^2 /NDF: 204.7/7

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

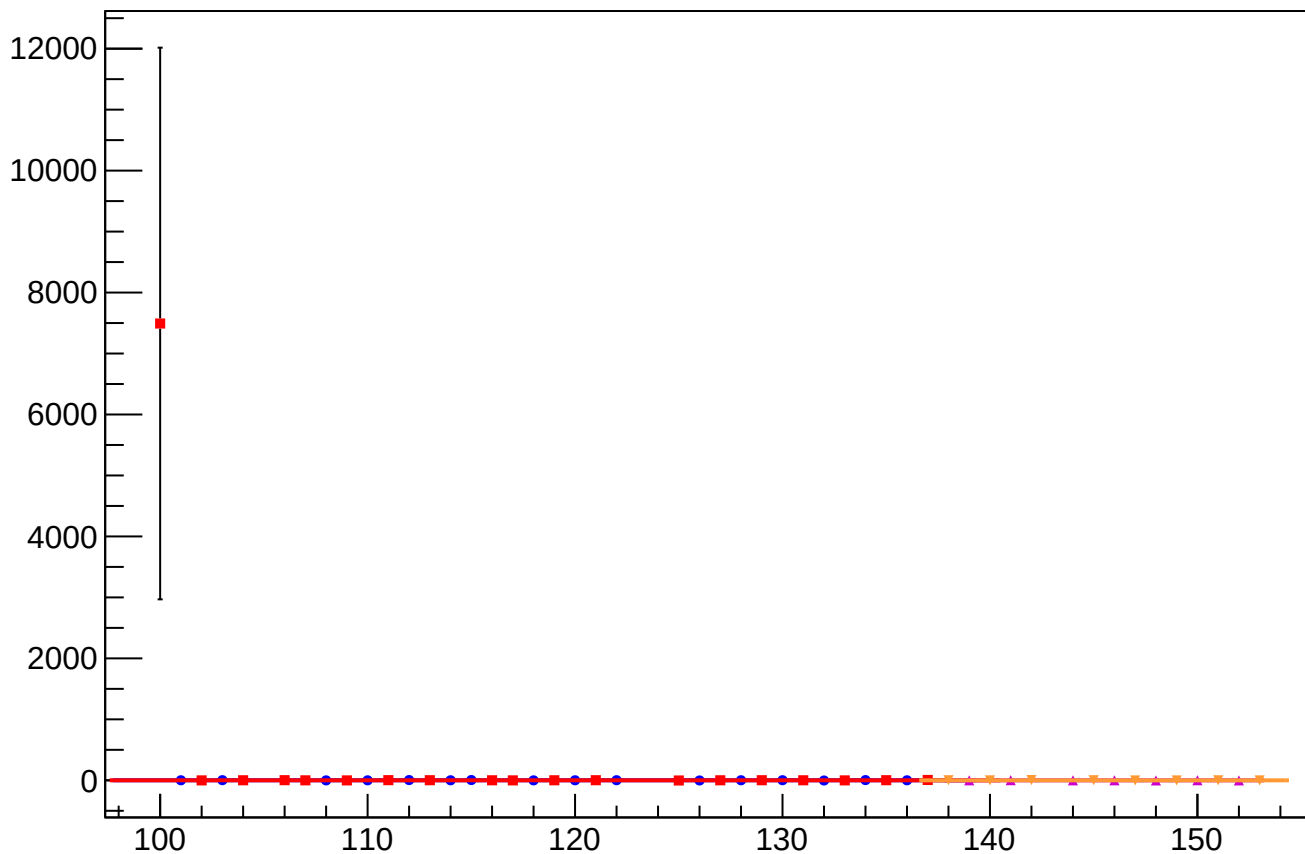
Left In: 85.689 $\pm$ 0.025 χ^2 /NDF: 217.0/6

80.014 $\pm$ 0.016 χ^2 /NDF: 492942.6/23

81.003 $\pm$ 0.011 χ^2 /NDF: 915880.6/49

82.020 $\pm$ 0.016 χ^2 /NDF: 415301.0/25

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.351 ± 0.586 χ^2/NDF : 7.4/7

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

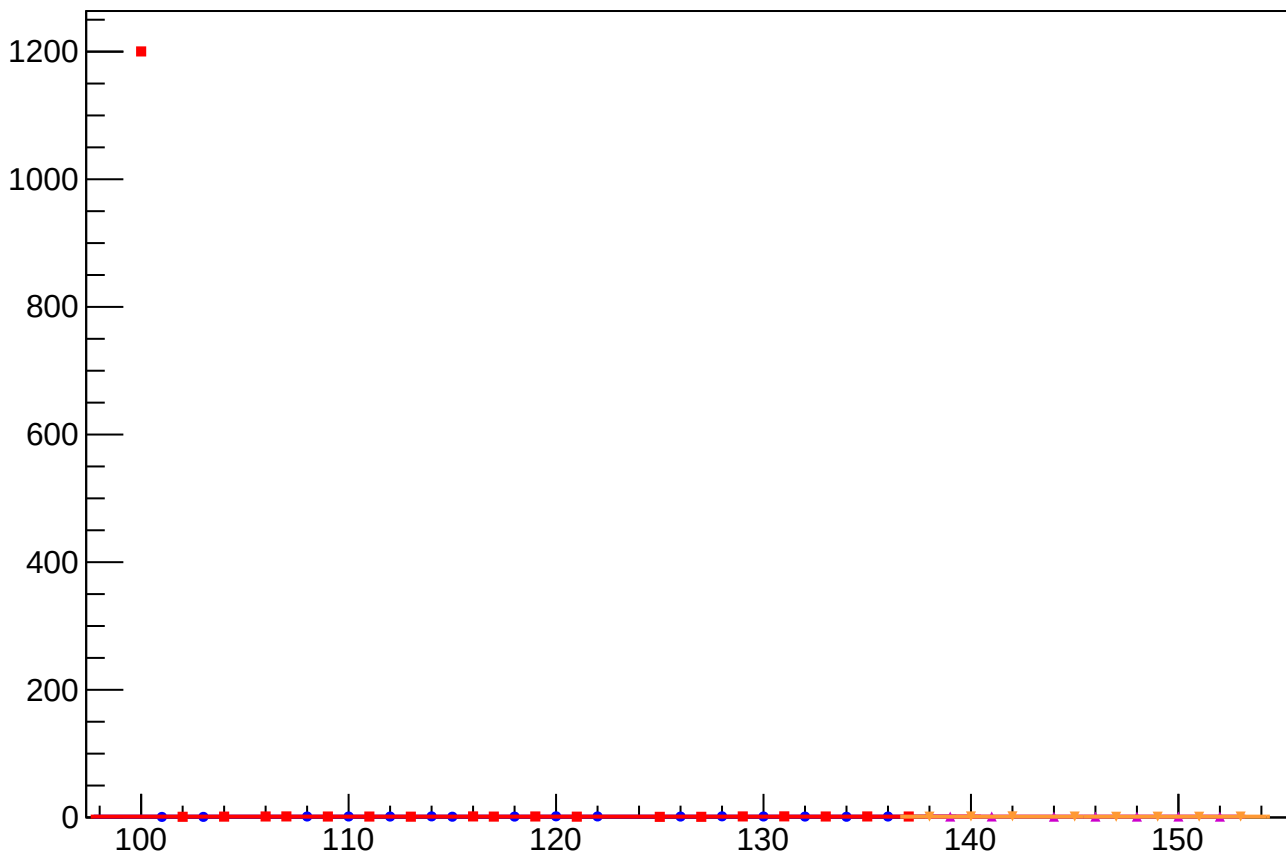
Left In: -0.030 ± 0.617 χ^2/NDF : 4.6/6

0.341 ± 0.394 χ^2/NDF : 21.9/23

0.253 ± 0.284 χ^2/NDF : 39.5/49

0.157 ± 0.409 χ^2/NDF : 17.4/25

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.285 $\pm$ 0.000 χ^2 /NDF:183371.0/7

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

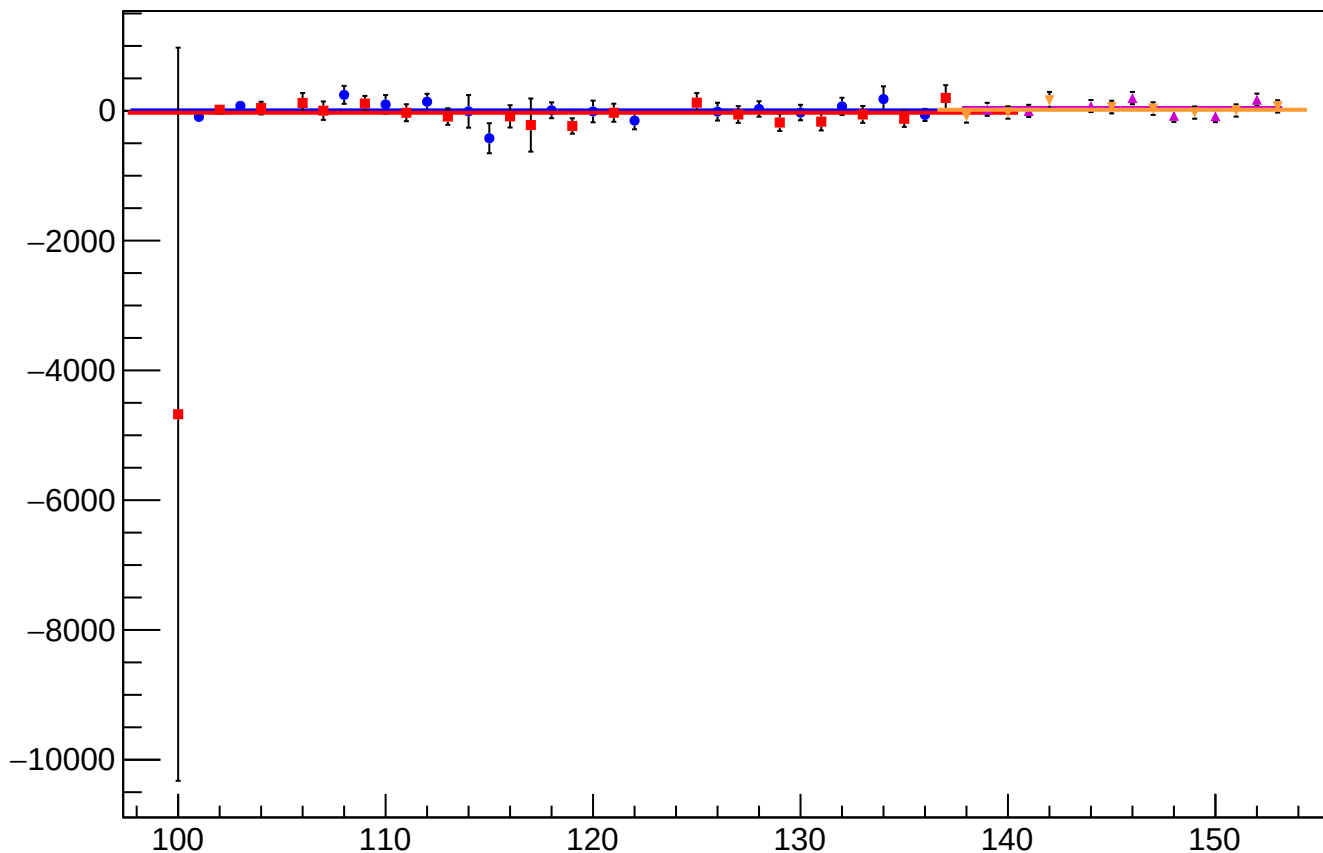
Left In: 1.362 $\pm$ 0.000 χ^2 /NDF:41652.6/6

1.259 $\pm$ 0.000 χ^2 /NDF: 848350.4/23

1.297 $\pm$ 0.000 χ^2 /NDF: 1454837.1/49

1.337 $\pm$ 0.000 χ^2 /NDF: 568945.7/25

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 16.288 ± 35.140 $\chi^2/\text{NDF}: 3.2/7$

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

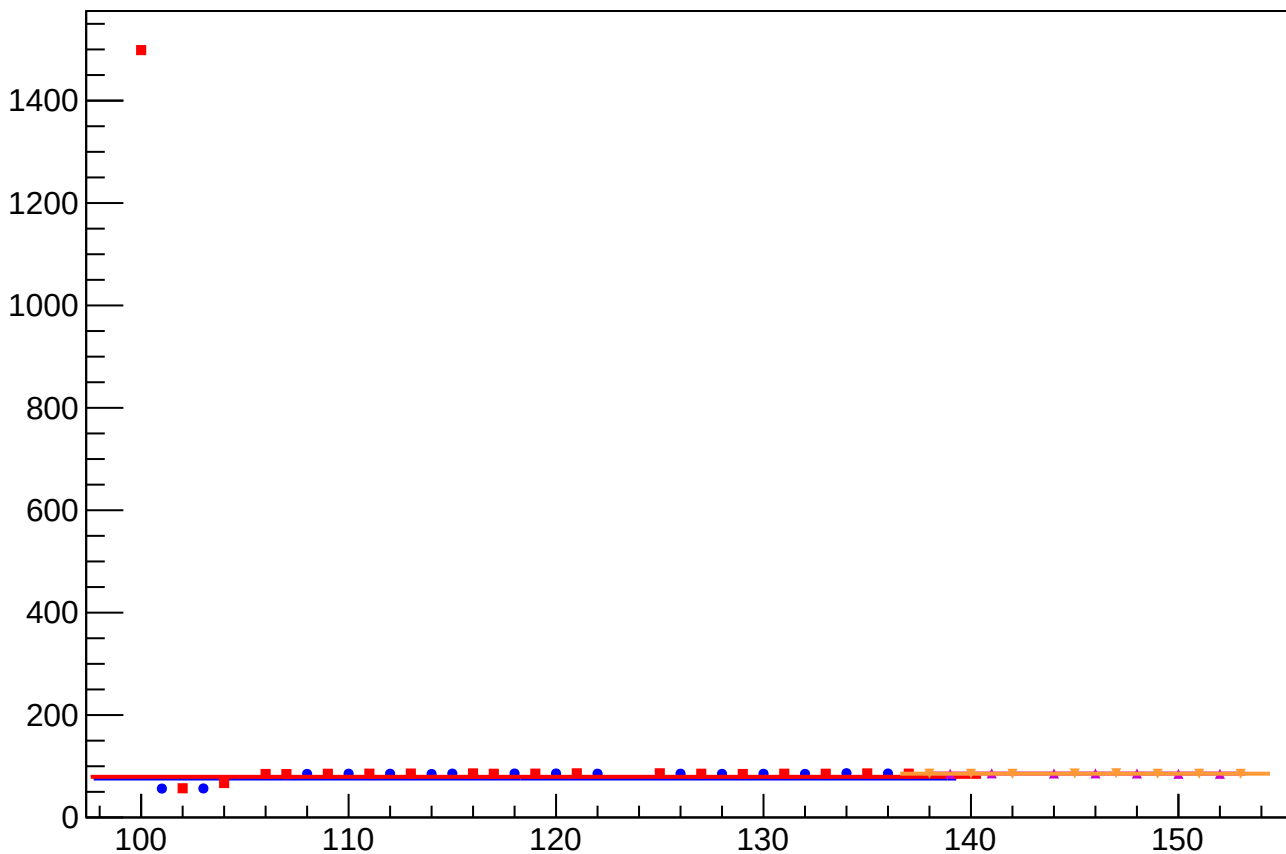
Left In: 43.208 ± 35.739 $\chi^2/\text{NDF}: 8.3/6$

10.785 ± 22.806 $\chi^2/\text{NDF}: 17.0/23$

5.919 ± 16.241 $\chi^2/\text{NDF}: 40.7/49$

0.910 ± 23.135 $\chi^2/\text{NDF}: 23.6/25$

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.508 $\pm$ 0.025 χ^2 /NDF:204.3/7

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

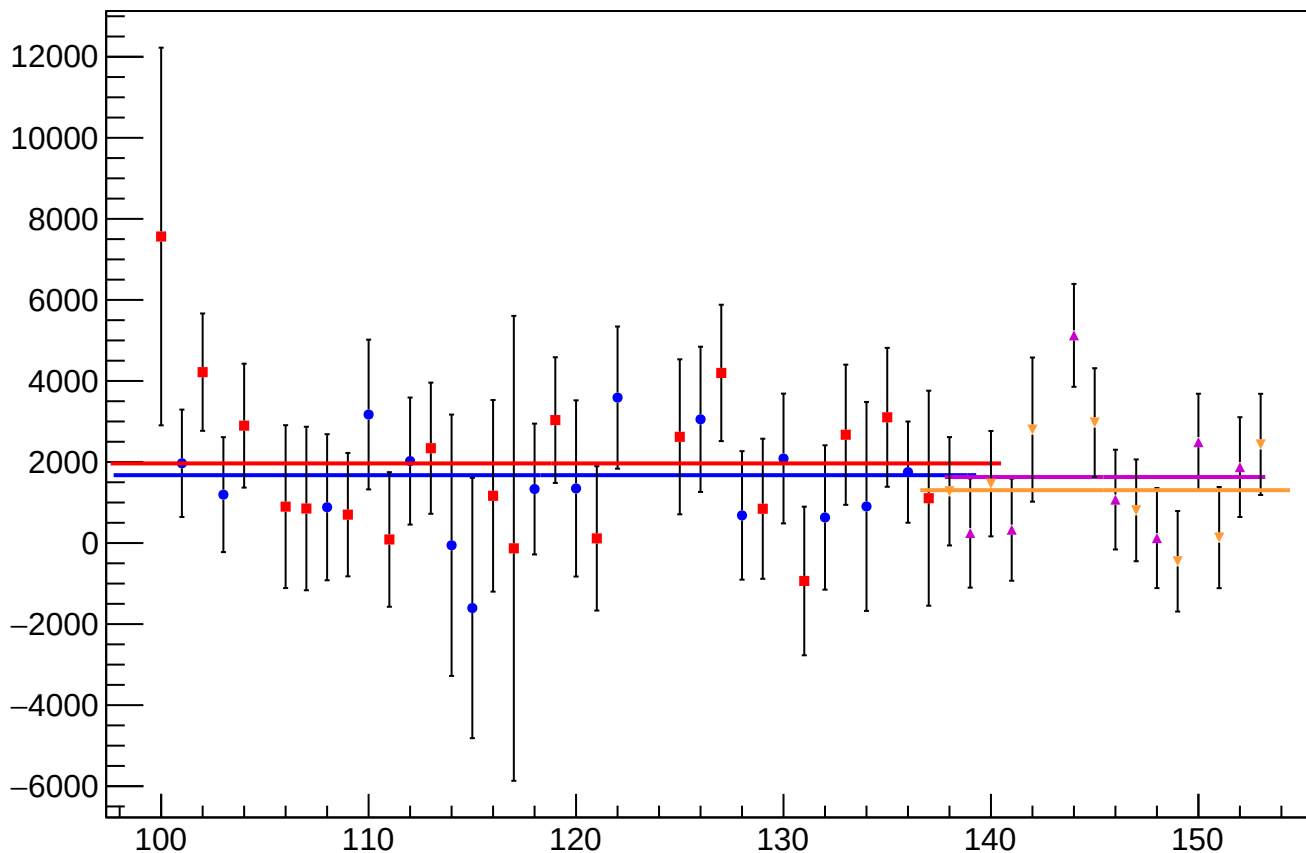
Left In: 85.711 $\pm$ 0.025 χ^2 /NDF:217.4/6

80.035 $\pm$ 0.016 χ^2 /NDF: 492975.2/23

81.017 $\pm$ 0.011 χ^2 /NDF: 925342.2/49

82.028 $\pm$ 0.016 χ^2 /NDF: 424838.4/25

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1304.835 $\pm$ 466.751 χ^2 /NDF: 6.1/7

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

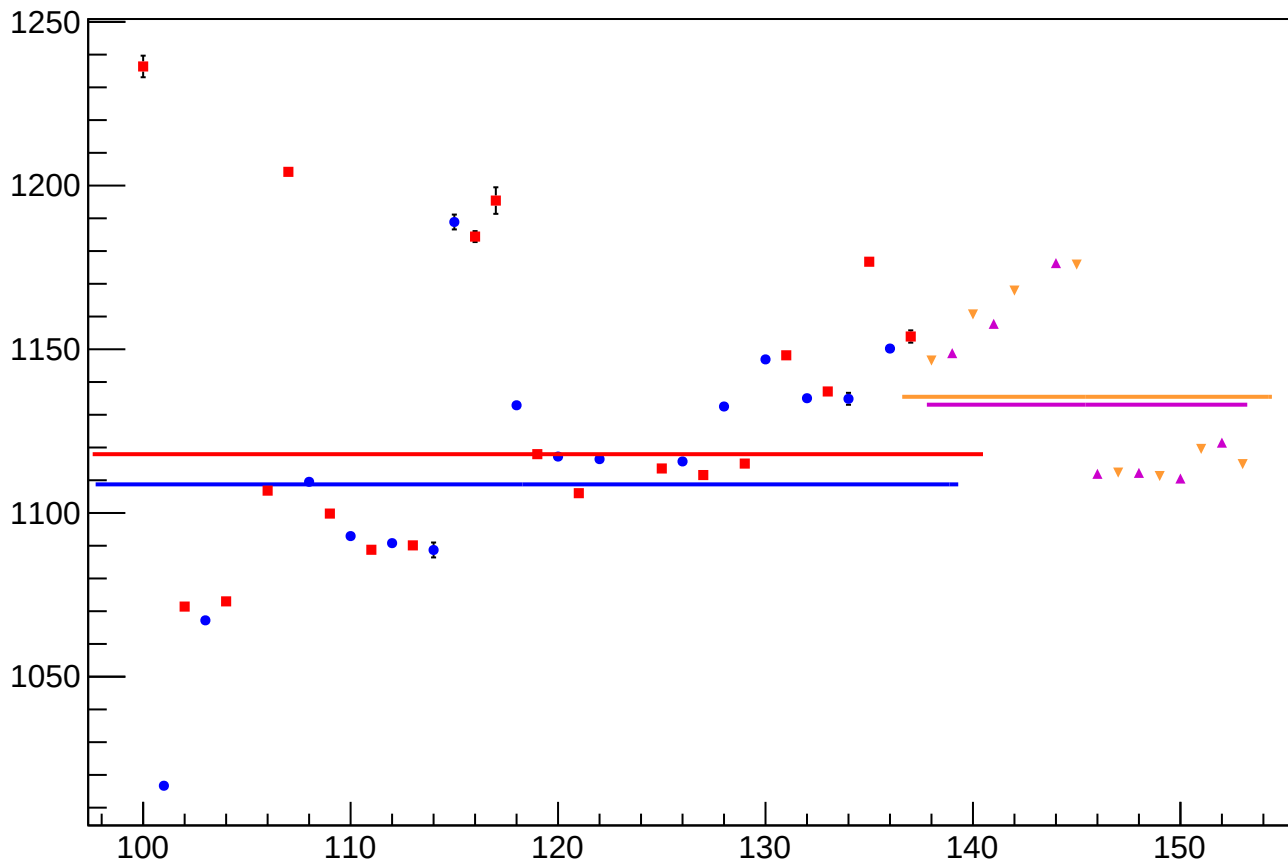
Left In: 1629.092 $\pm$ 472.553 χ^2 /NDF: 12.0/6

1504.804 $\pm$ 316.489 χ^2 /NDF: 11.6/23

1661.517 $\pm$ 223.069 χ^2 /NDF: 38.5/49

1816.222 $\pm$ 314.455 χ^2 /NDF: 26.4/25

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1108.739 $\pm$ 0.304 χ^2/NDF : 18080.7/15

Left Out: 1135.489 $\pm$ 0.330 χ^2/NDF : 5674.7/7

Right Out: 1117.959 $\pm$ 0.298 χ^2/NDF : 15881.8/18

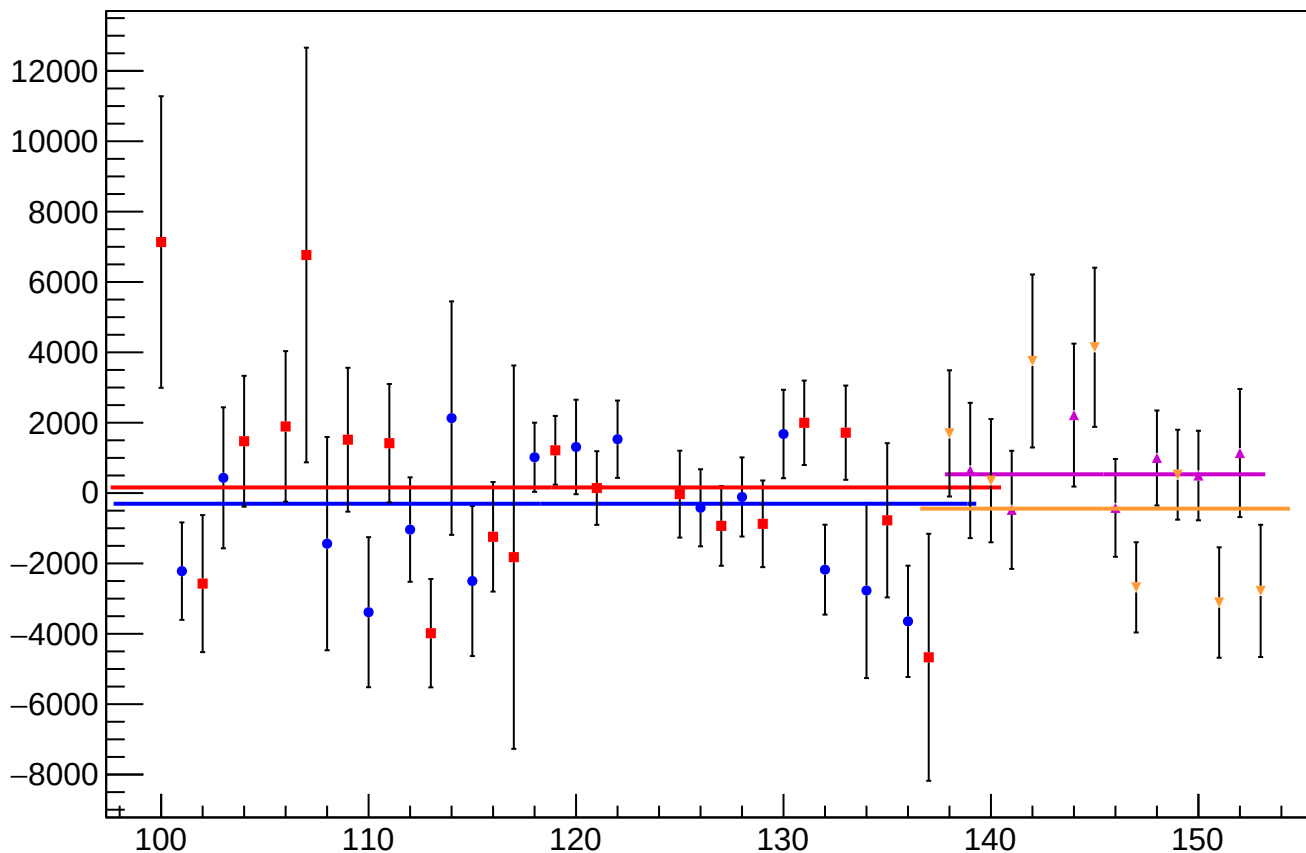
Left In: 1133.077 $\pm$ 0.334 χ^2/NDF : 5410.4/6

1121.038 $\pm$ 0.224 χ^2/NDF : 27304.3/23

1122.858 $\pm$ 0.158 χ^2/NDF : 49868.3/49

1124.653 $\pm$ 0.222 χ^2/NDF : 22432.8/25

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -442.606+/-586.458 χ^2/NDF : 16.7/7

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

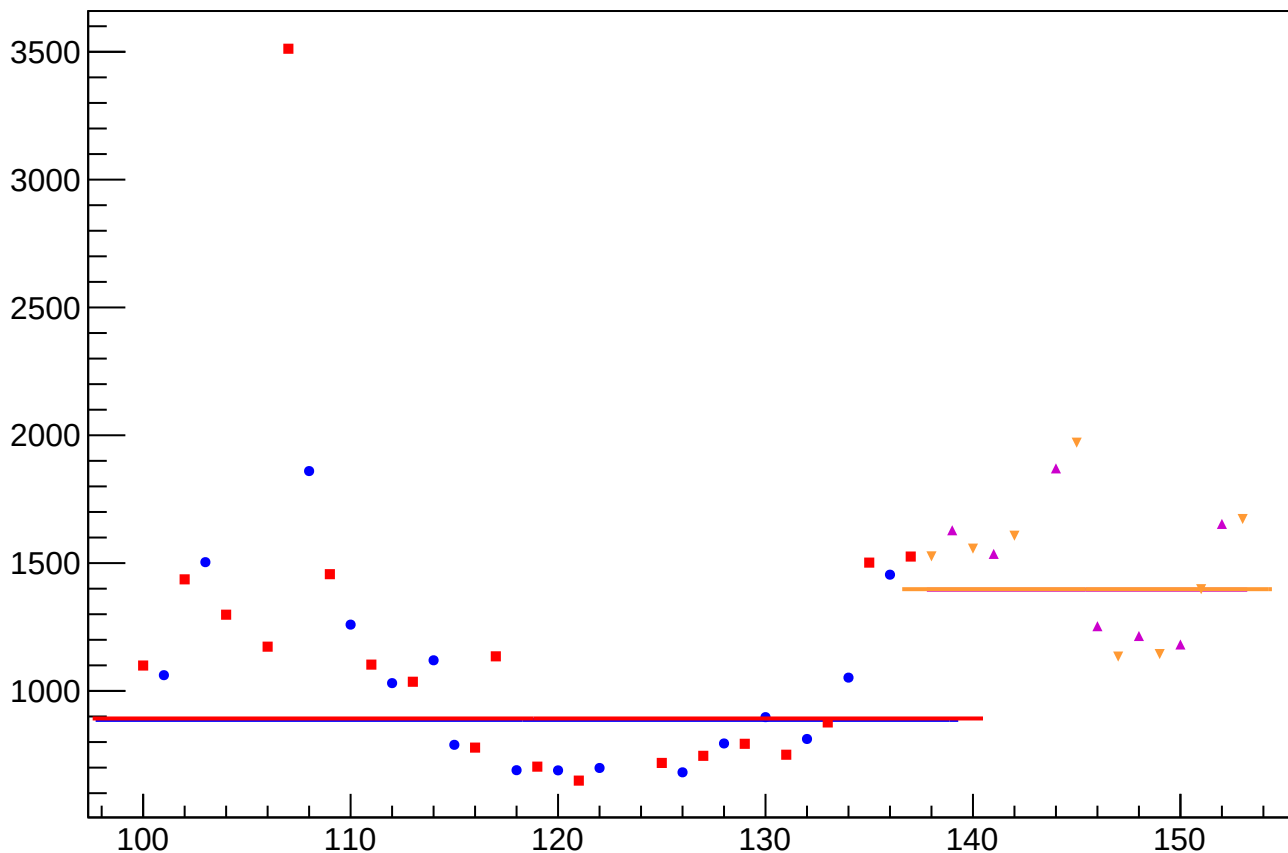
Left In: 533.720+/-592.076 χ^2/NDF : 1.8/6

-341.462+/-306.849 χ^2/NDF : 39.0/23

-39.038+/-216.235 χ^2/NDF : 68.0/49

259.297+/-304.767 χ^2/NDF : 27.0/25

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1398.015+/-0.415 χ^2/NDF : 375530.2/7

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

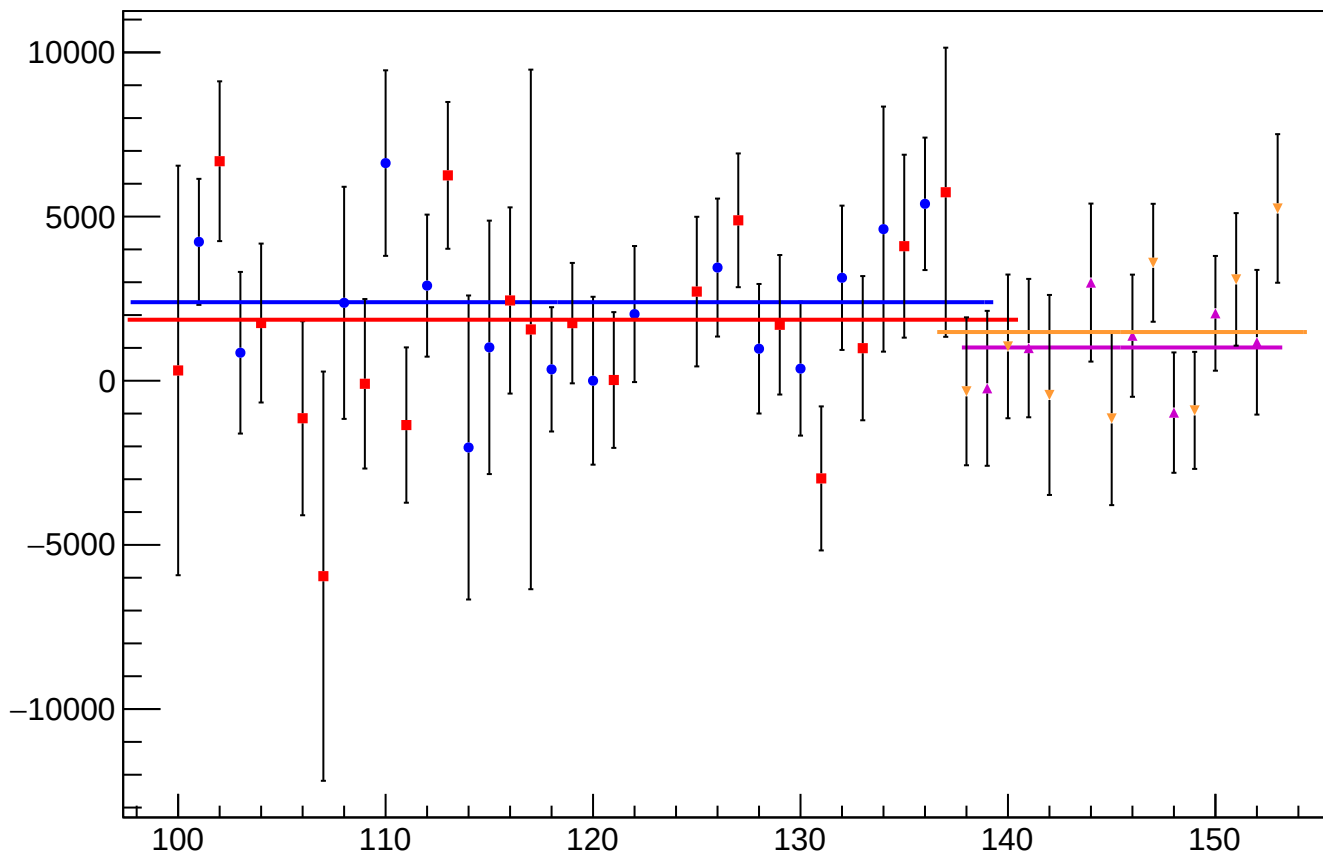
Left In: 1395.886+/-0.419 χ^2/NDF : 306055.4/6

1026.672+/-0.217 χ^2/NDF : 2540540.1/23

1026.174+/-0.153 χ^2/NDF : 5328550.7/49

1025.683+/-0.216 χ^2/NDF : 2788000.1/25

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1483.502 $\pm$ 761.951 χ^2 /NDF: 8.6/7

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

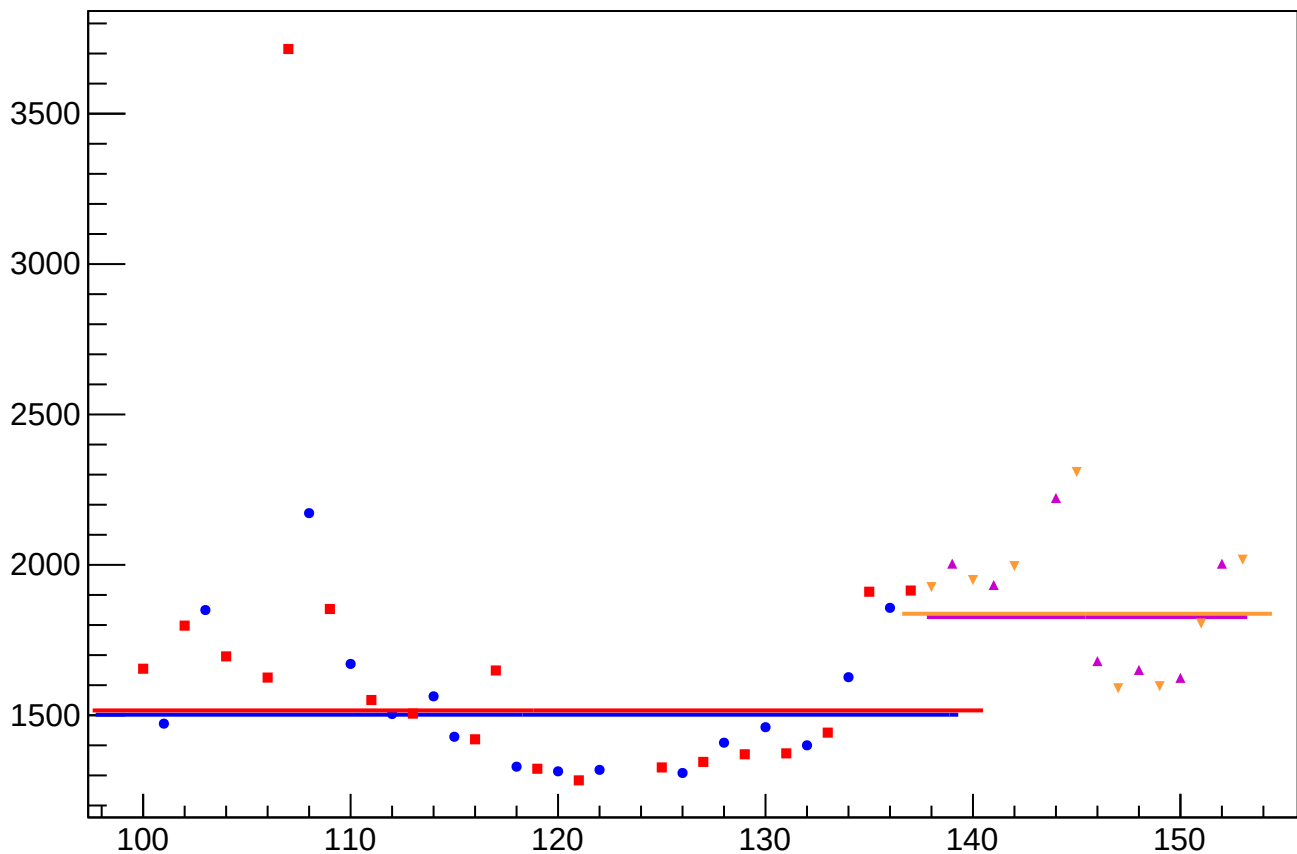
Left In: 1012.968 $\pm$ 767.553 χ^2 /NDF: 2.5/6

2052.430 $\pm$ 465.997 χ^2 /NDF: 20.7/23

1799.873 $\pm$ 328.632 χ^2 /NDF: 47.1/49

1549.989 $\pm$ 463.524 χ^2 /NDF: 25.8/25

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1837.477 $\pm$ 0.539 χ^2 /NDF:165045.3/7

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

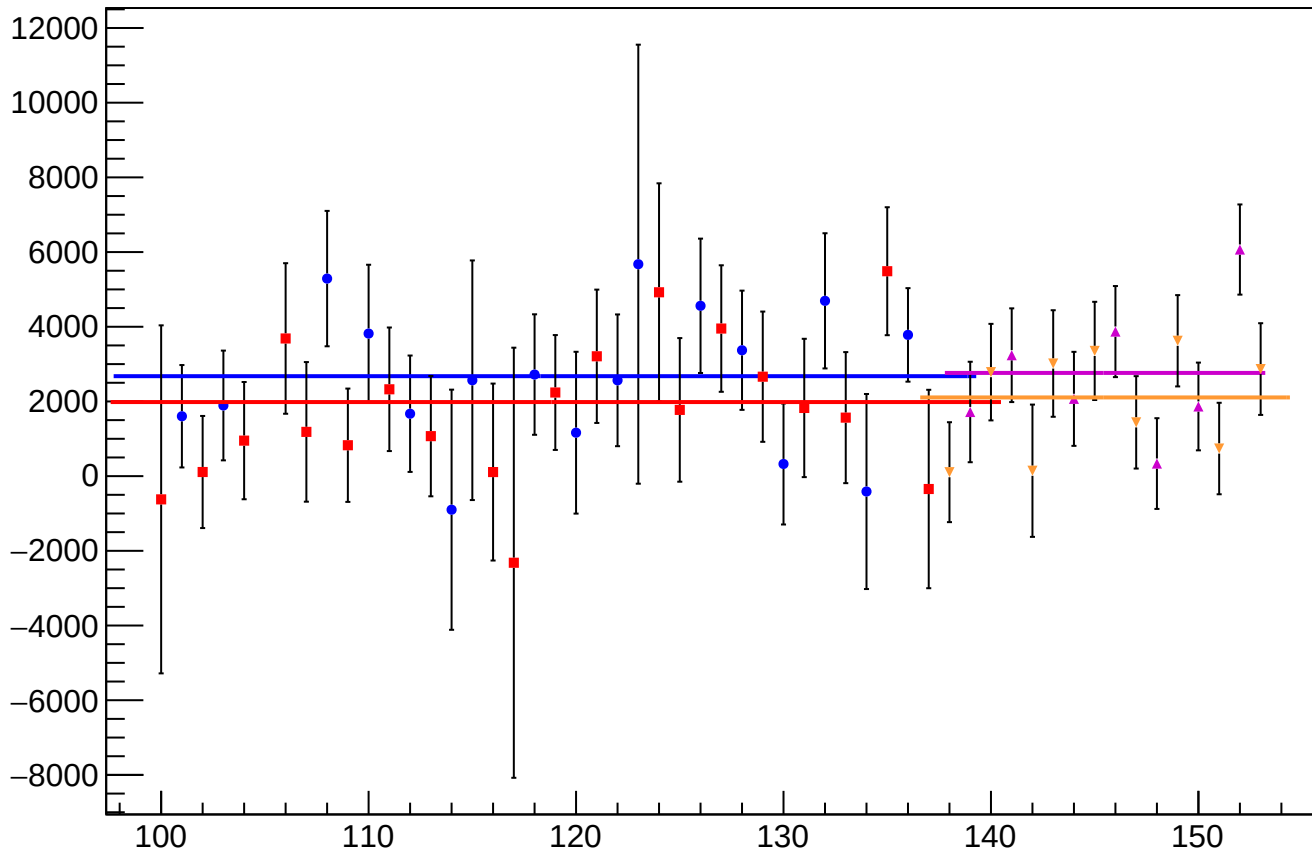
Left In: 1826.539 $\pm$ 0.543 χ^2 /NDF:141064.6/6

1627.441 $\pm$ 0.330 χ^2 /NDF: 662375.7/23

1628.392 $\pm$ 0.232 χ^2 /NDF: 1491597.3/49

1629.332 $\pm$ 0.328 χ^2 /NDF: 829205.0/25

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2107.533 $\pm$ 438.577 χ^2 /NDF: 8.5/8

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

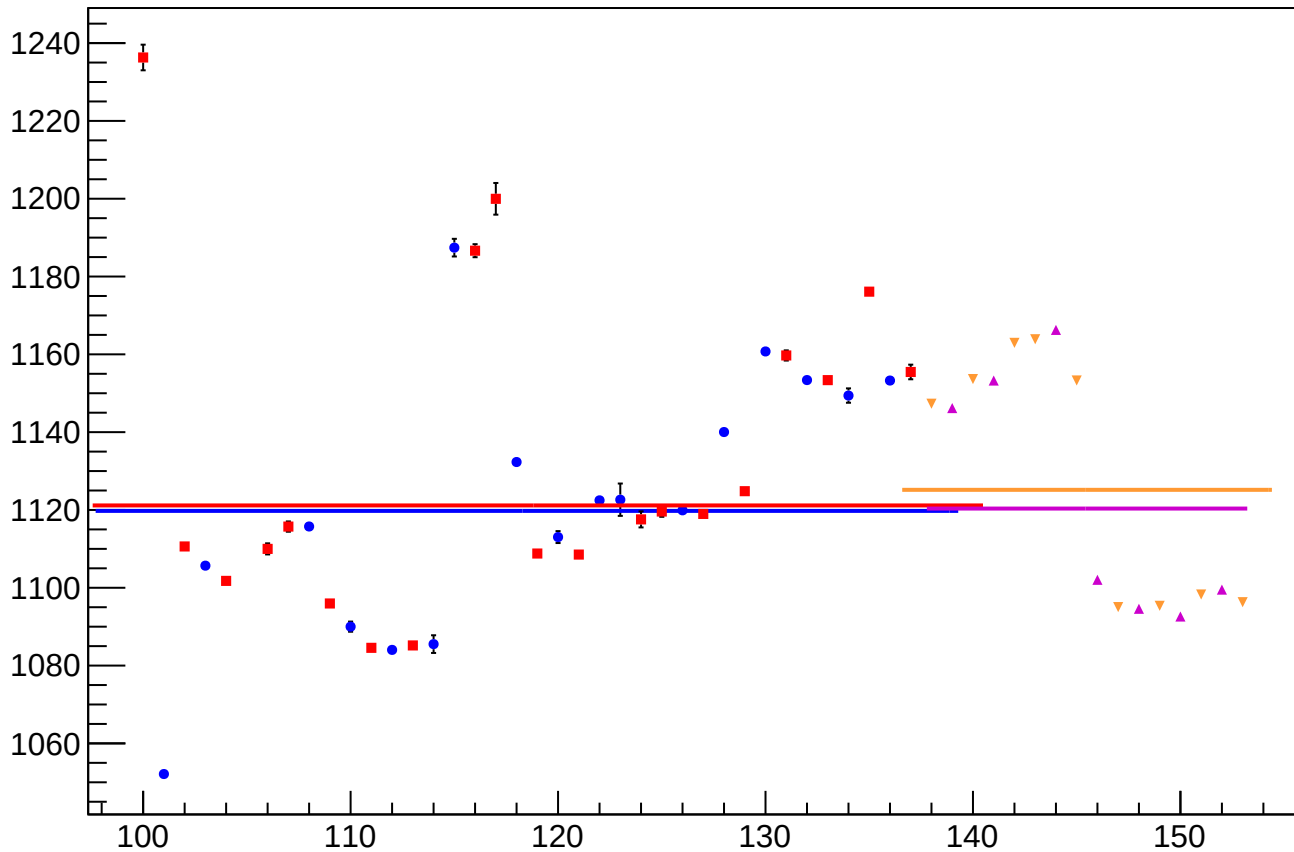
Left In: 2763.938 $\pm$ 467.298 χ^2 /NDF: 13.9/6

2395.368 $\pm$ 308.340 χ^2 /NDF: 21.9/25

2363.323 $\pm$ 219.163 χ^2 /NDF: 50.8/52

2330.603 $\pm$ 311.571 χ^2 /NDF: 28.9/26

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1119.762+/-0.307 χ^2/NDF : 11876.8/16

Left Out: 1125.174+/-0.310 χ^2/NDF : 9262.6/8

Right Out: 1121.164+/-0.296 χ^2/NDF : 10310.8/19

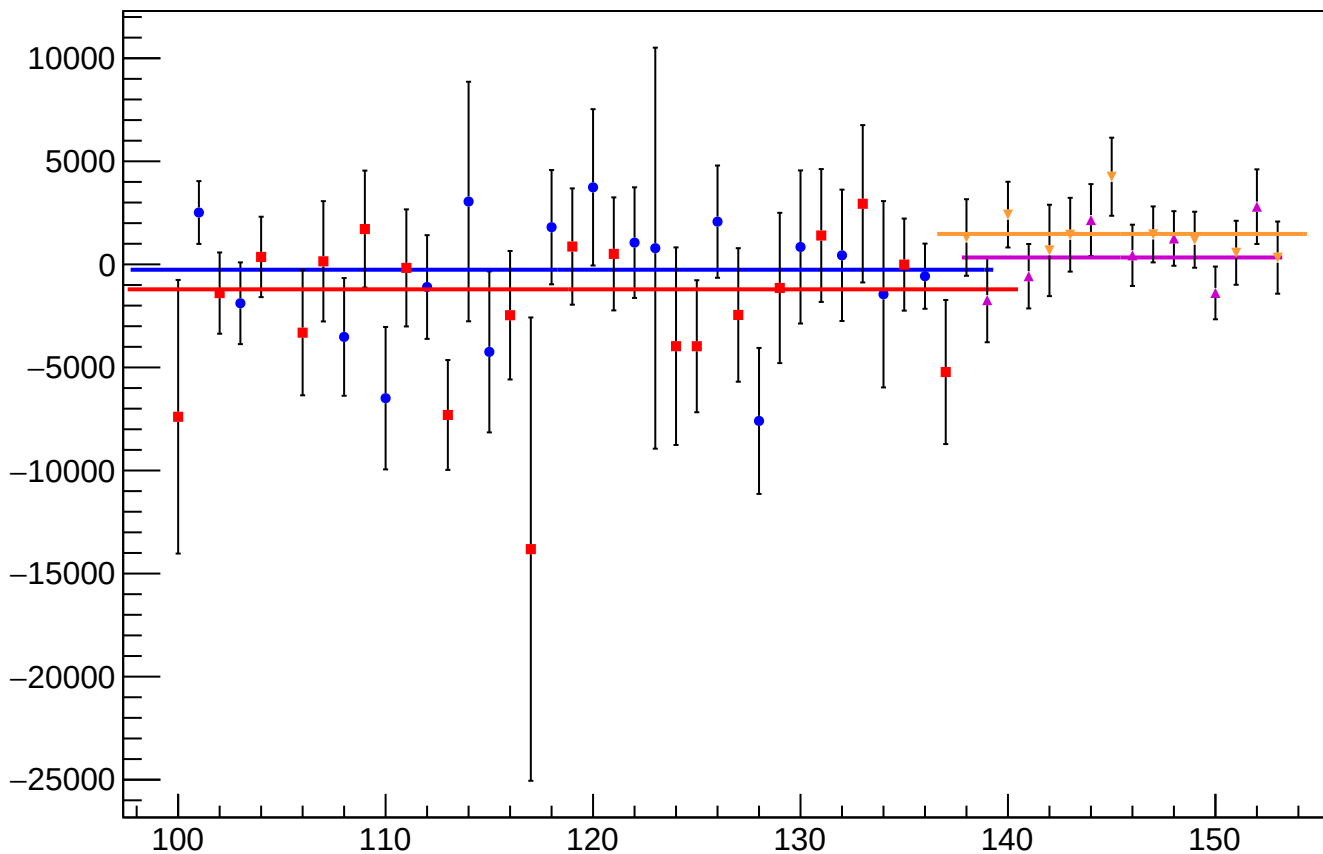
Left In: 1120.359+/-0.330 χ^2/NDF : 7836.0/6

1122.437+/-0.218 χ^2/NDF : 21293.5/25

1121.630+/-0.155 χ^2/NDF : 39471.2/52

1120.806+/-0.220 χ^2/NDF : 18150.1/26

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1476.322+/-550.164 χ^2/NDF : 3.5/8

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

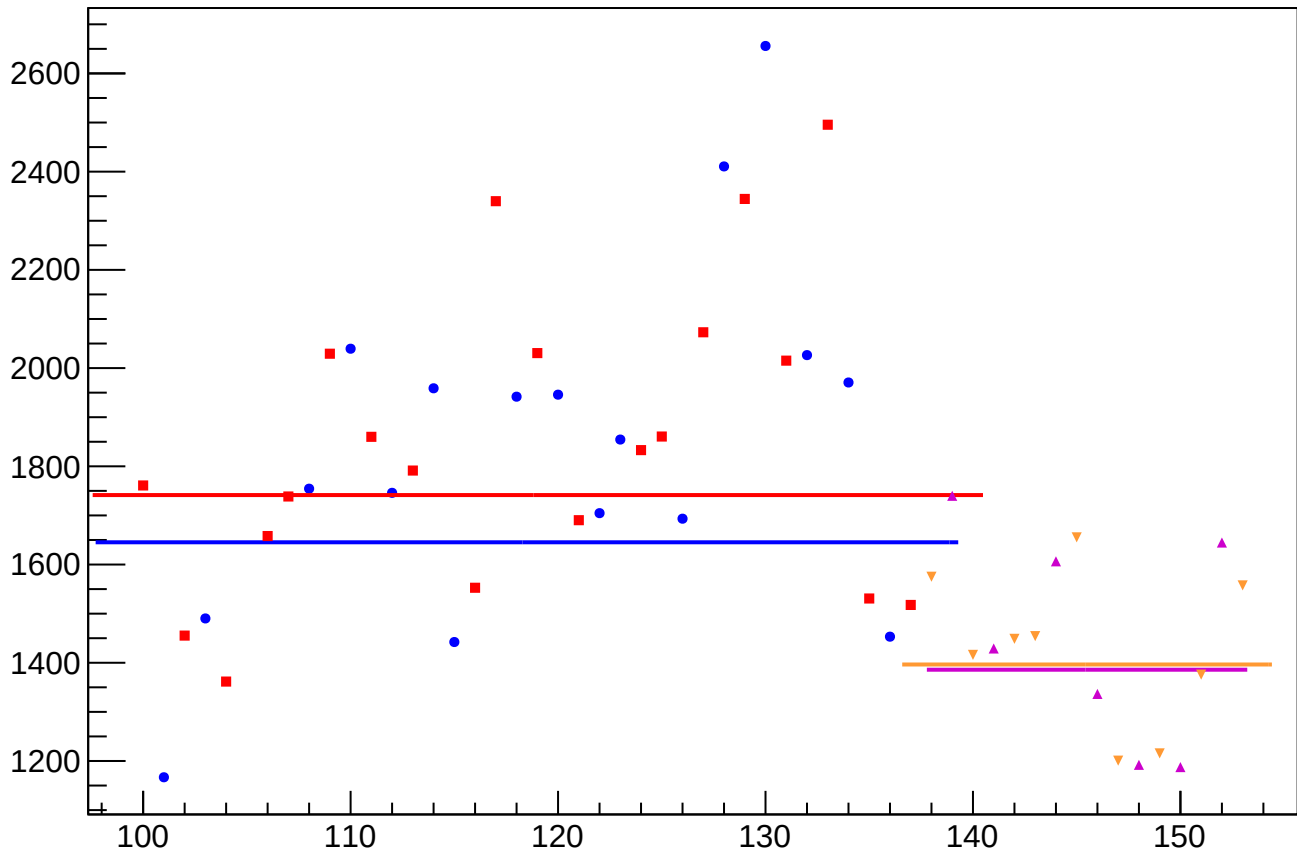
Left In: 335.178+/-585.484 χ^2/NDF : 6.6/6

758.495+/-421.348 χ^2/NDF : 24.8/25

228.851+/-303.774 χ^2/NDF : 53.4/52

-344.424+/-438.359 χ^2/NDF : 25.3/26

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1396.479+/-0.389 χ^2/NDF : 153751.3/8

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

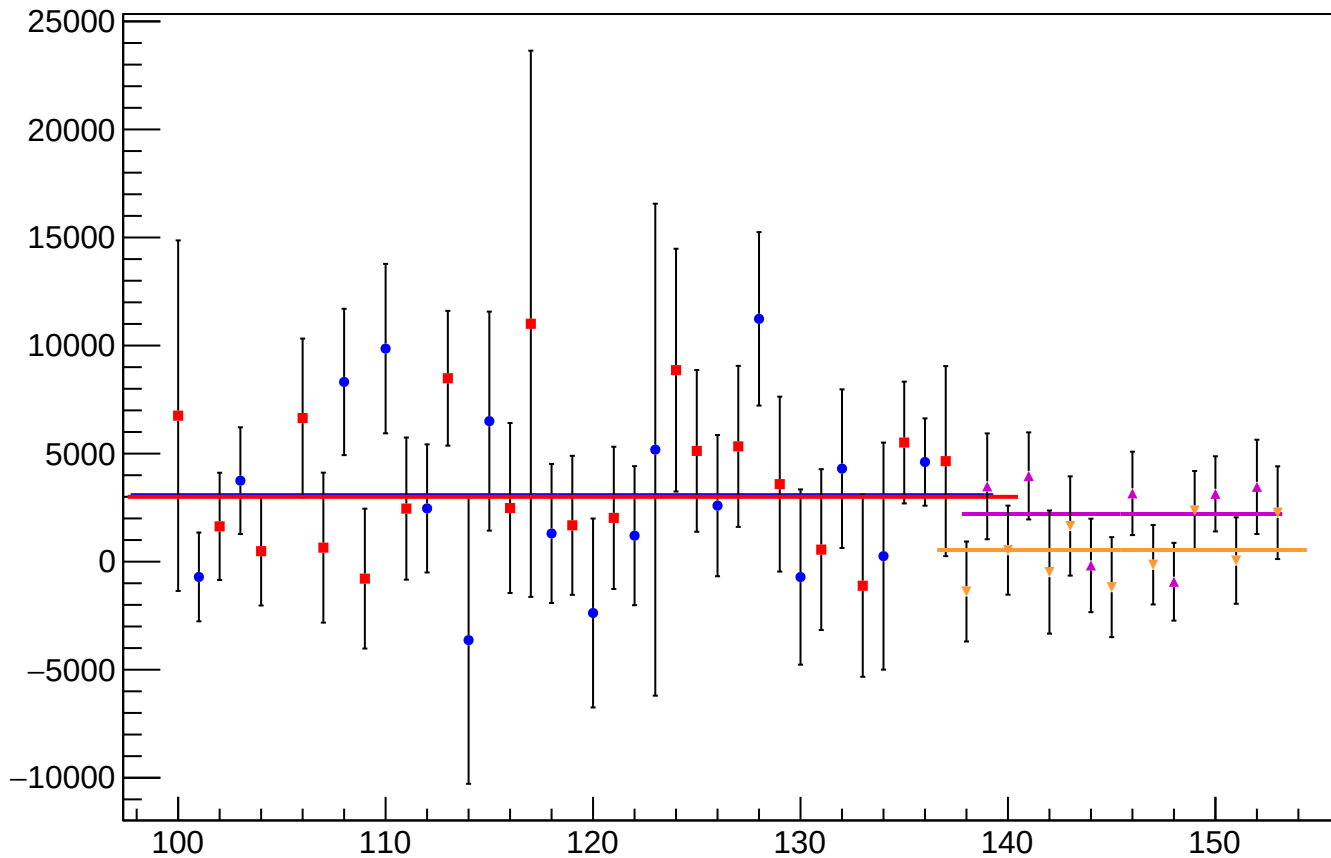
Left In: 1385.848+/-0.414 χ^2/NDF : 227543.1/6

1499.360+/-0.298 χ^2/NDF : 923817.8/25

1519.891+/-0.215 χ^2/NDF : 1862175.1/52

1542.114+/-0.310 χ^2/NDF : 928468.3/26

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 539.418 $\pm$ 709.979 χ^2 /NDF: 3.4/8

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

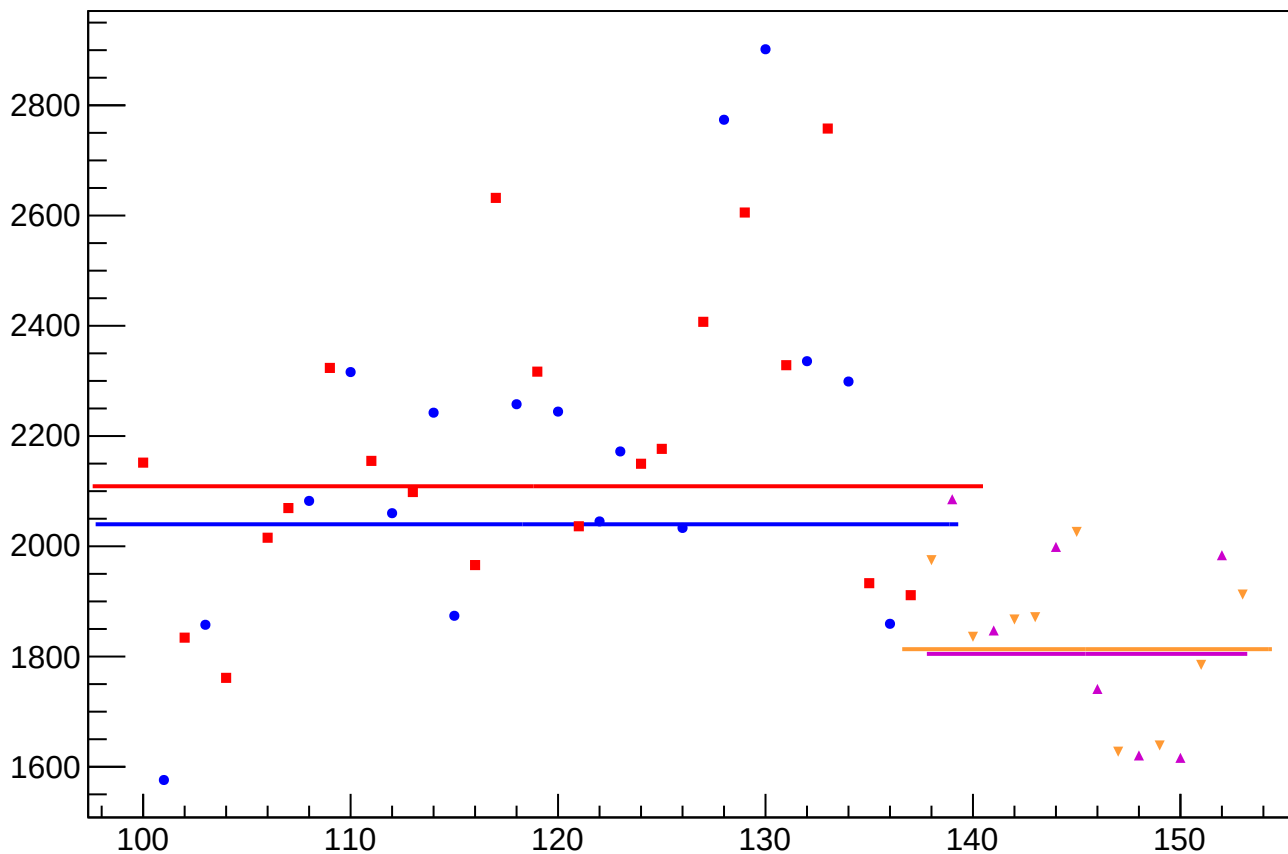
Left In: 2204.997 $\pm$ 756.889 χ^2 /NDF: 6.2/6

1653.248 $\pm$ 531.674 χ^2 /NDF: 27.7/25

2104.229 $\pm$ 381.549 χ^2 /NDF: 48.1/52

2583.108 $\pm$ 547.873 χ^2 /NDF: 19.0/26

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1813.383 $\pm$ 0.502 χ^2/NDF : 72239.6/8

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

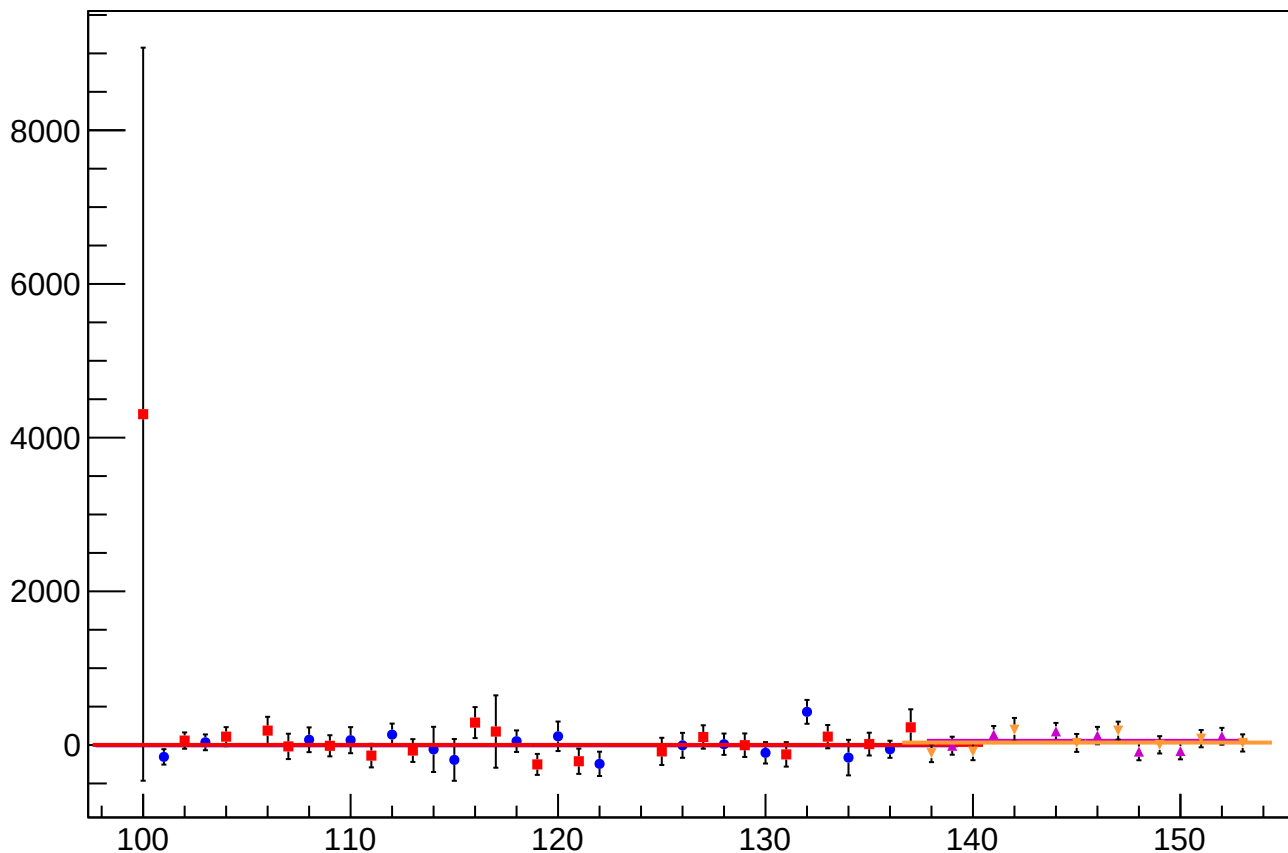
Left In: 1804.843 $\pm$ 0.535 χ^2/NDF : 103386.6/6

1912.890 $\pm$ 0.376 χ^2/NDF : 493672.2/25

1930.689 $\pm$ 0.270 χ^2/NDF : 954222.3/52

1949.590 $\pm$ 0.387 χ^2/NDF : 455928.4/26

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 32.018+/-41.474 χ^2/NDF : 5.7/7

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

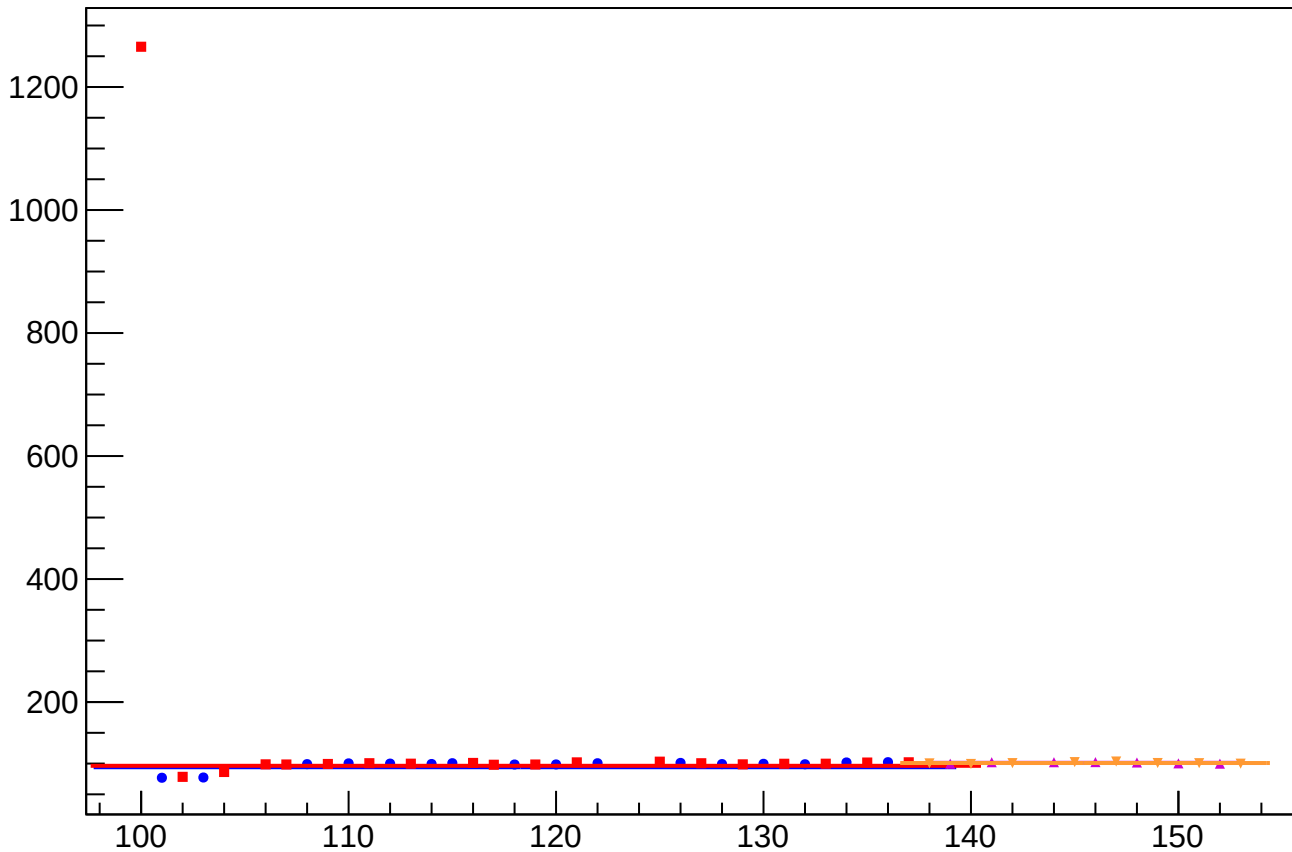
Left In: 54.803+/-42.214 χ^2/NDF : 5.8/6

12.227+/-27.490 χ^2/NDF : 22.3/23

18.274+/-19.494 χ^2/NDF : 43.2/49

24.391+/-27.648 χ^2/NDF : 20.8/25

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.912 $\pm$ 0.029 χ^2 /NDF: 1800.0/7

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

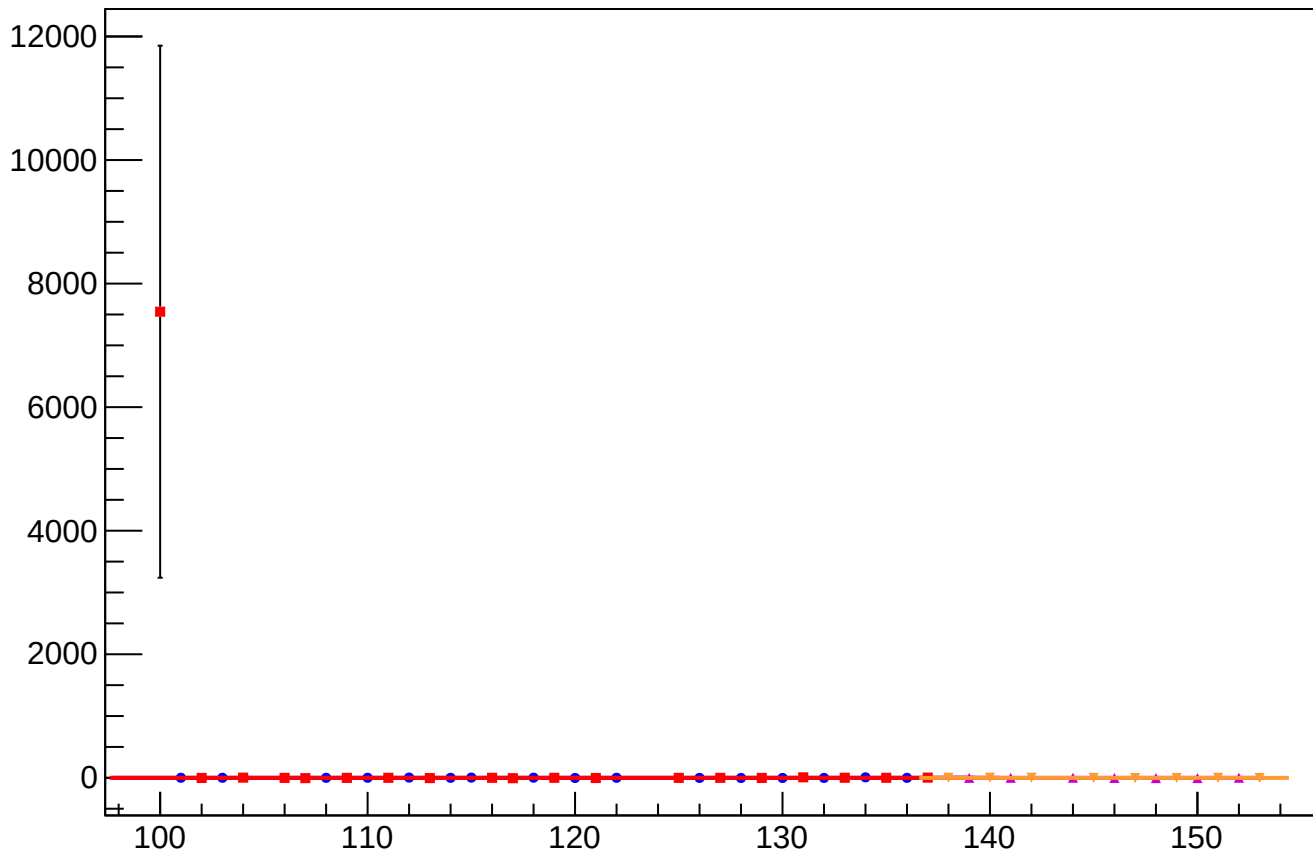
Left In: 101.237 $\pm$ 0.030 χ^2 /NDF: 1308.1/6

97.075 $\pm$ 0.019 χ^2 /NDF: 184613.5/23

97.766 $\pm$ 0.014 χ^2 /NDF: 412819.5/49

98.465 $\pm$ 0.020 χ^2 /NDF: 225664.0/25

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.958+/-0.716 χ^2/NDF : 7.1/7

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

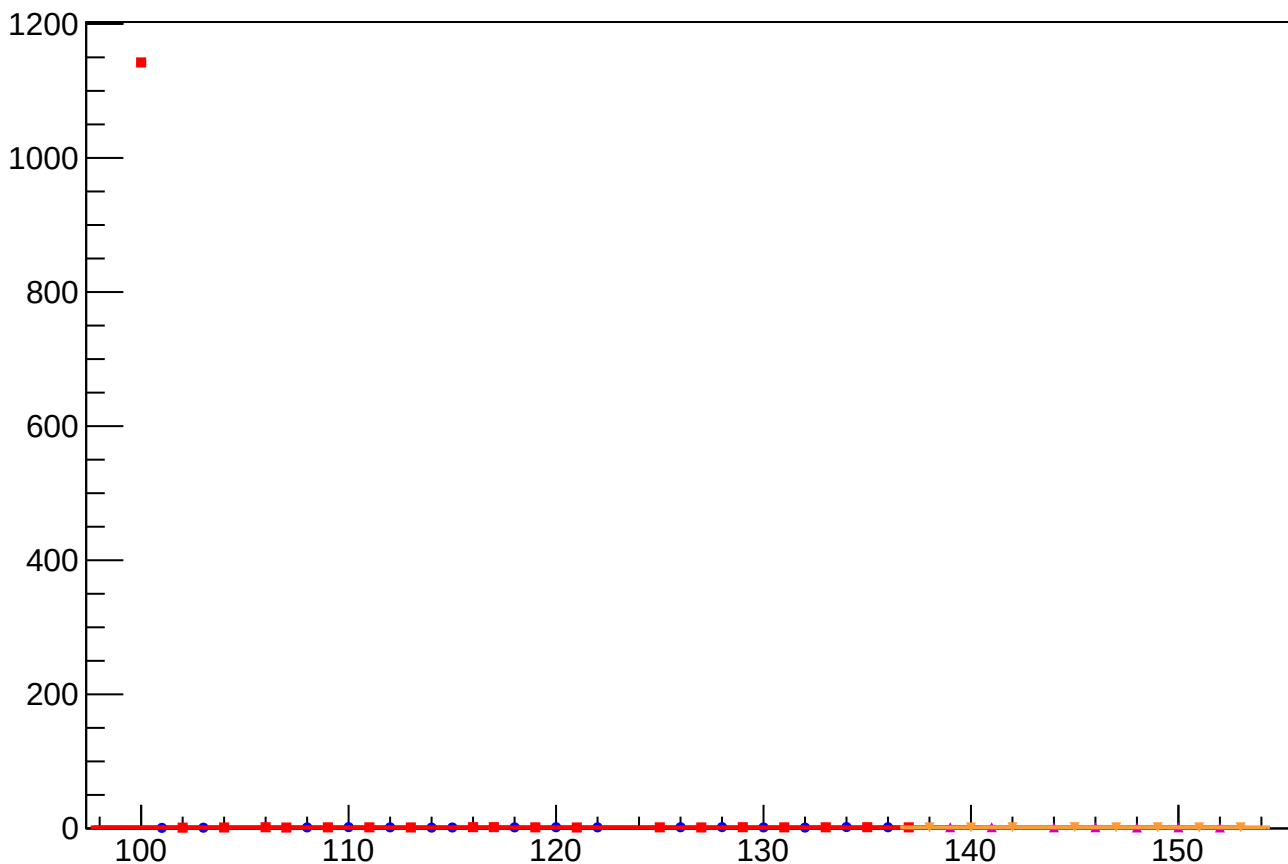
Left In: -0.714+/-0.757 χ^2/NDF : 9.2/6

-0.162+/-0.467 χ^2/NDF : 18.9/23

-0.320+/-0.338 χ^2/NDF : 51.6/49

-0.494+/-0.489 χ^2/NDF : 32.4/25

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.606+/-0.001 χ^2/NDF : 27142.1/7

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

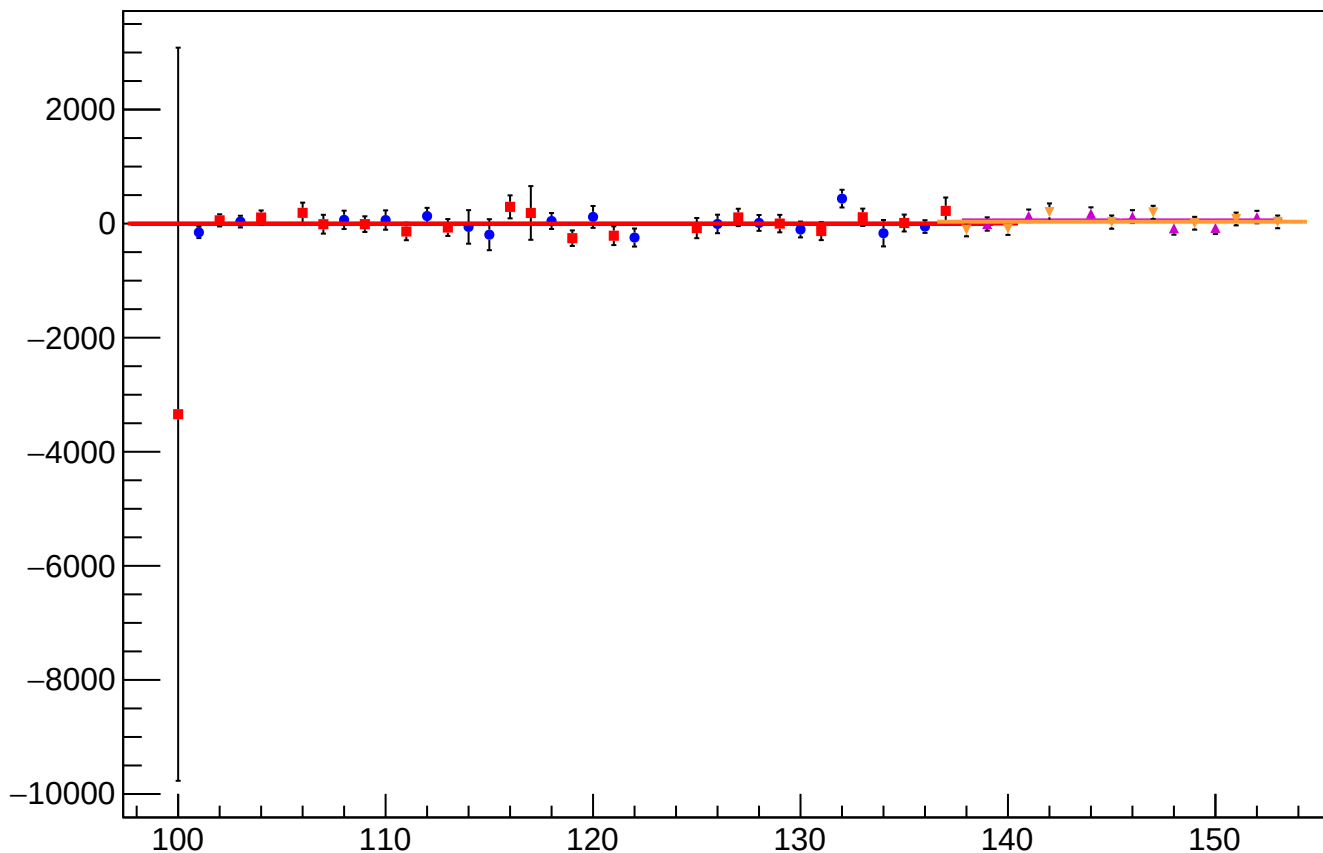
Left In: 1.687+/-0.001 χ^2/NDF : 71698.0/6

1.499+/-0.000 χ^2/NDF : 835648.2/23

1.552+/-0.000 χ^2/NDF : 1315596.7/49

1.611+/-0.000 χ^2/NDF : 424457.7/25

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 33.358+/-41.485 χ^2/NDF : 6.0/7

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

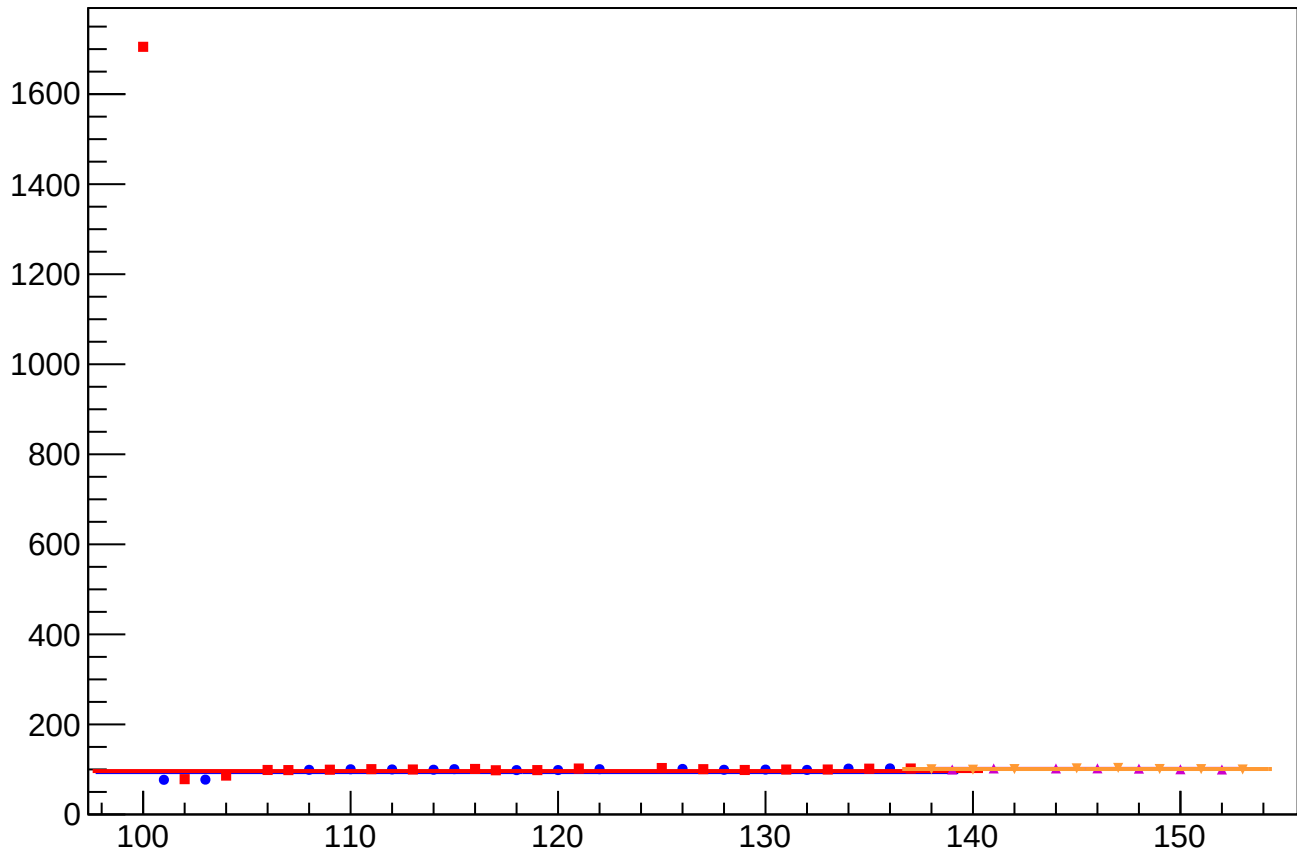
Left In: 55.855+/-42.225 χ^2/NDF : 5.6/6

12.918+/-27.497 χ^2/NDF : 22.7/23

18.777+/-19.499 χ^2/NDF : 43.0/49

24.703+/-27.656 χ^2/NDF : 20.2/25

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.938+/-0.029 χ^2/NDF : 1798.7/7

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

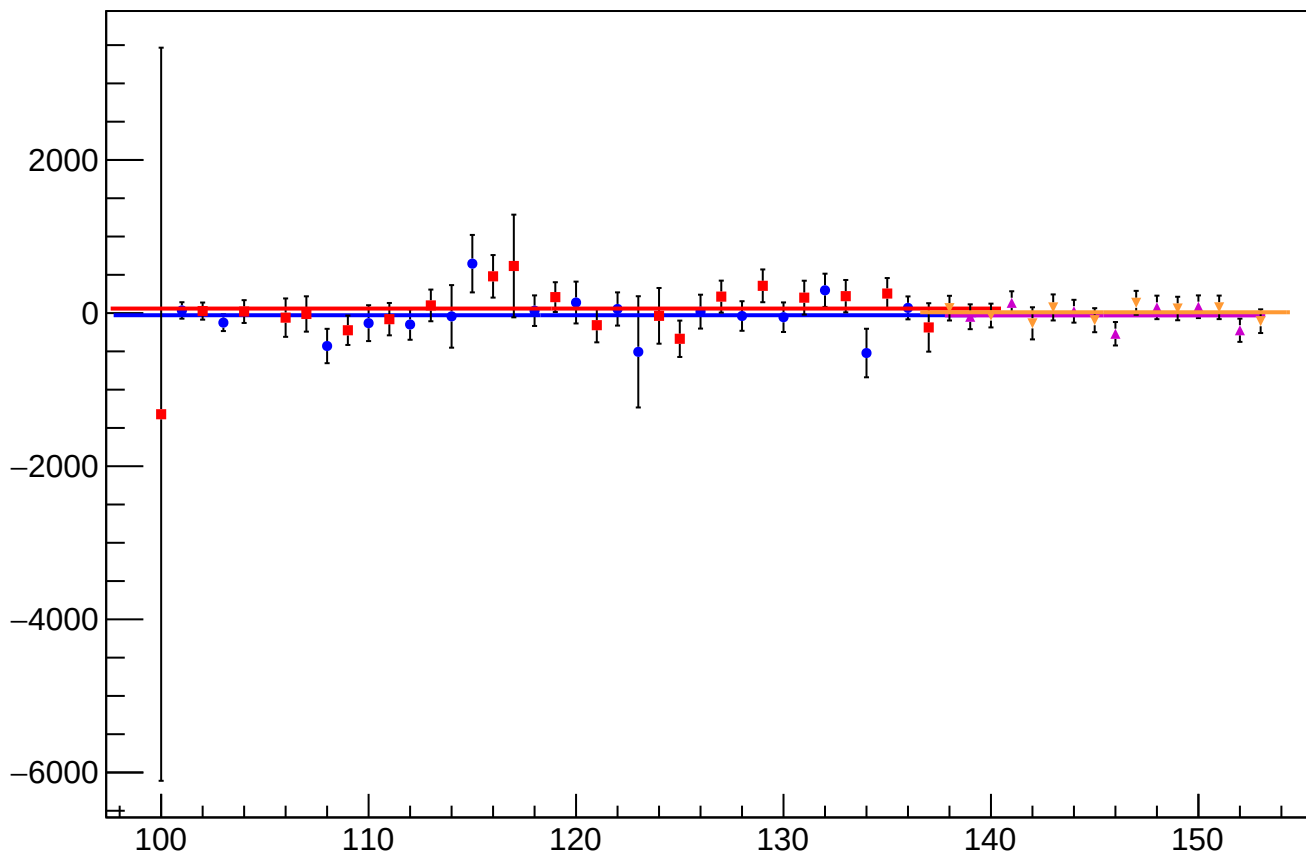
Left In: 101.263+/-0.030 χ^2/NDF : 1309.5/6

97.100+/-0.019 χ^2/NDF : 184633.3/23

97.787+/-0.014 χ^2/NDF : 418045.4/49

98.481+/-0.020 χ^2/NDF : 230902.9/25

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 10.875 ± 53.787 χ^2/NDF : 2.7/8

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

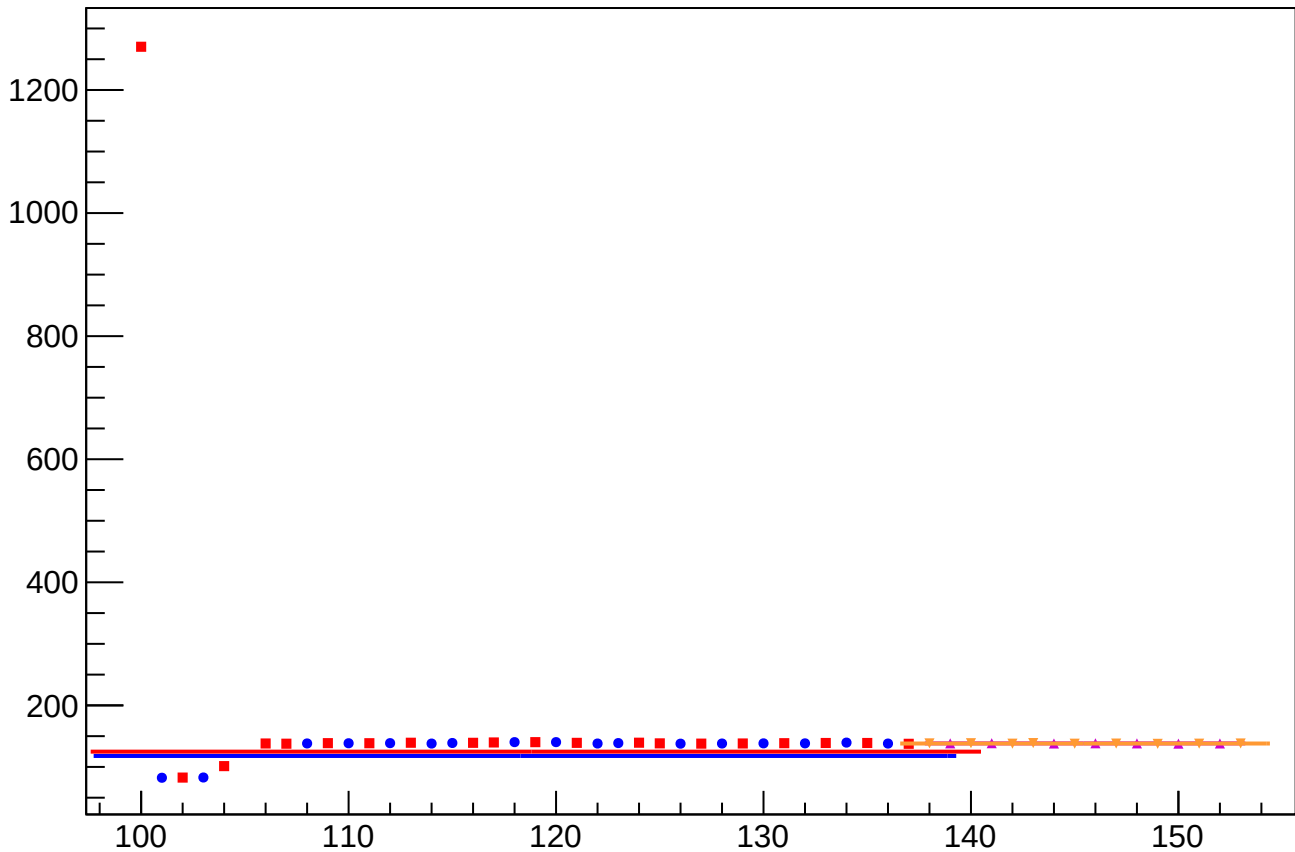
Left In: -30.232 ± 57.641 χ^2/NDF : 6.5/6

-11.168 ± 35.296 χ^2/NDF : 17.3/25

5.230 ± 25.439 χ^2/NDF : 41.2/52

22.957 ± 36.697 χ^2/NDF : 23.5/26

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.039 $\pm$ 0.038 χ^2 /NDF: 98.2/8

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

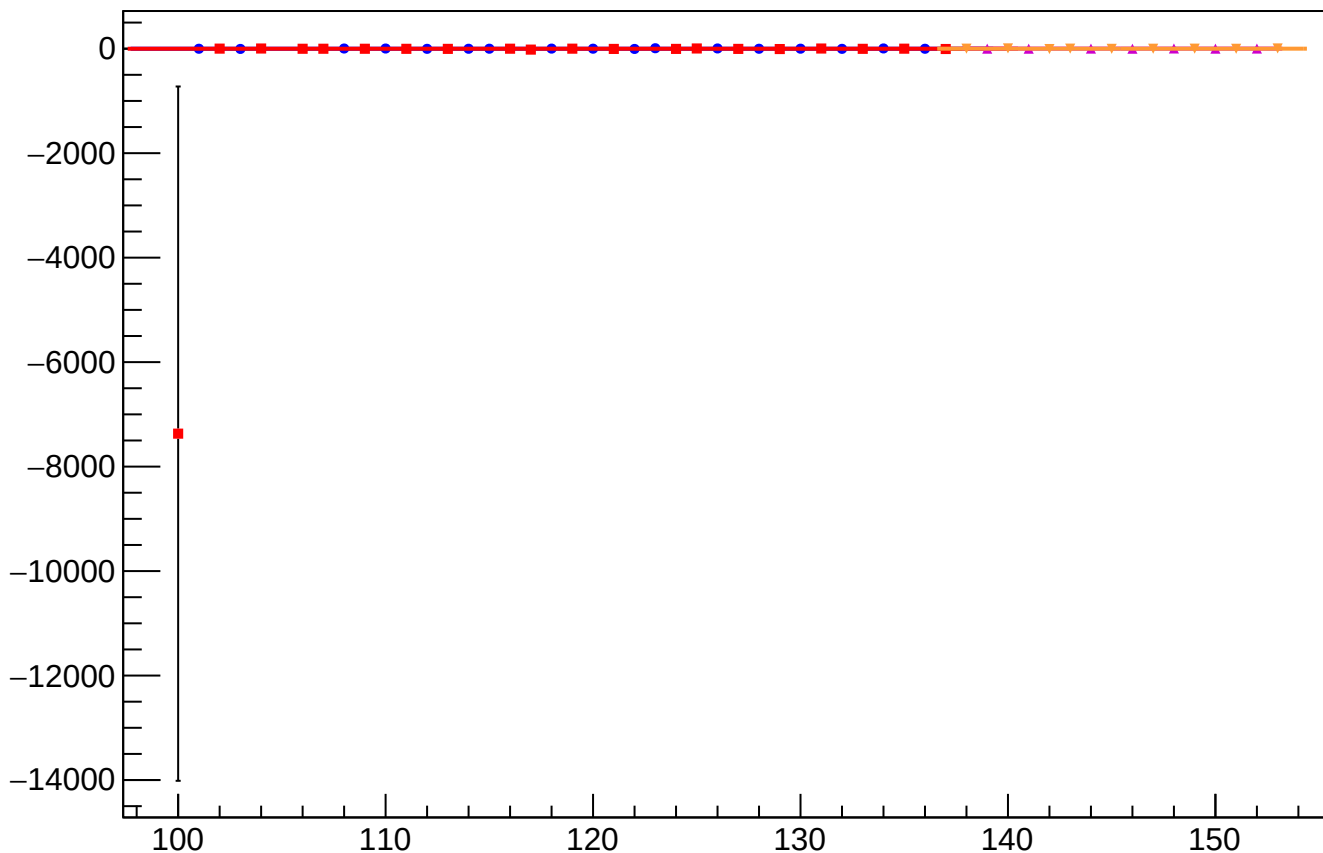
Left In: 138.234 $\pm$ 0.041 χ^2 /NDF: 27.8/6

126.524 $\pm$ 0.025 χ^2 /NDF: 827675.1/25

128.323 $\pm$ 0.018 χ^2 /NDF: 1473517.7/52

130.268 $\pm$ 0.026 χ^2 /NDF: 635025.9/26

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.470 ± 0.900 χ^2/NDF : 11.7/8

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

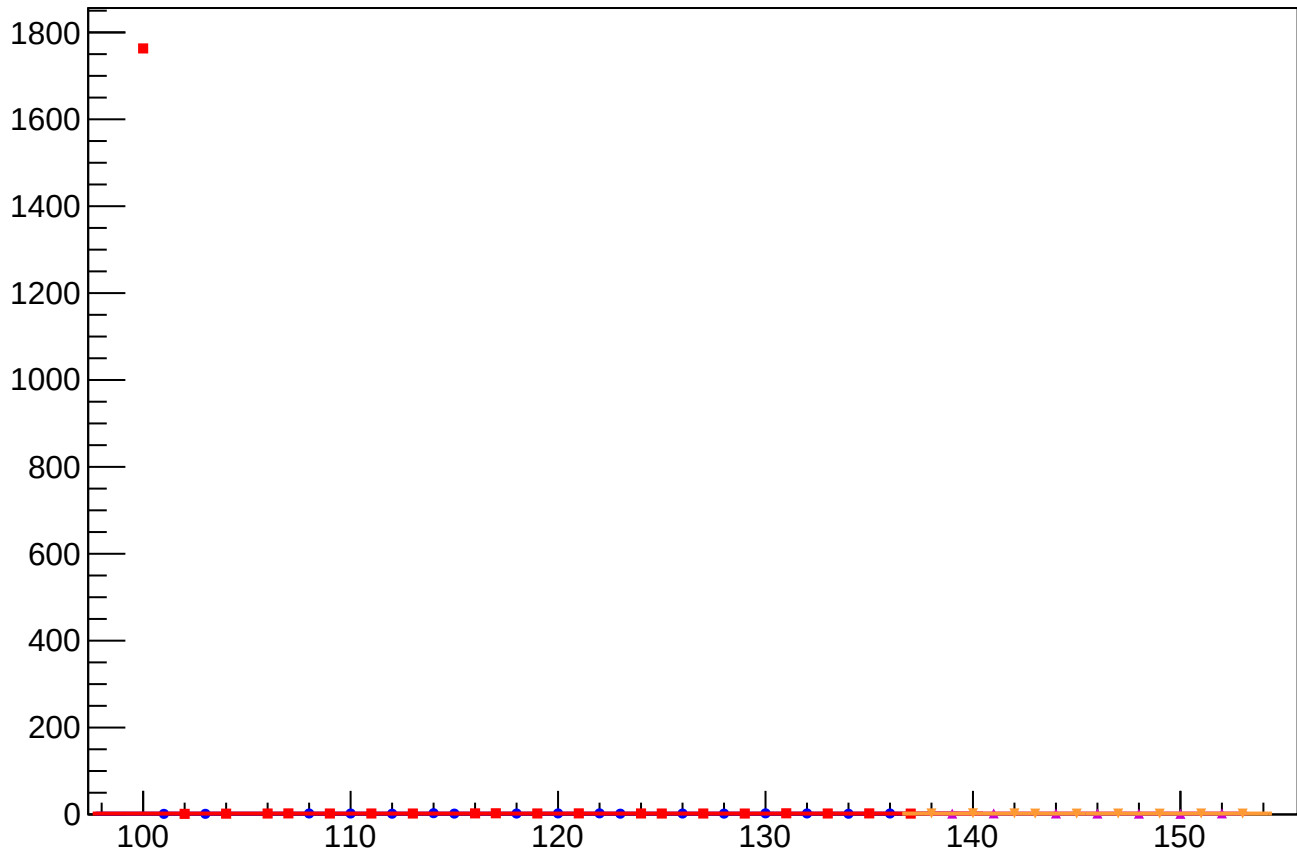
Left In: 1.549 ± 0.964 χ^2/NDF : 2.5/6

-0.174 ± 0.602 χ^2/NDF : 25.3/25

0.036 ± 0.438 χ^2/NDF : 46.5/52

0.271 ± 0.637 χ^2/NDF : 20.9/26

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.093 $\pm$ 0.001 χ^2 /NDF: 139407.6/8

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

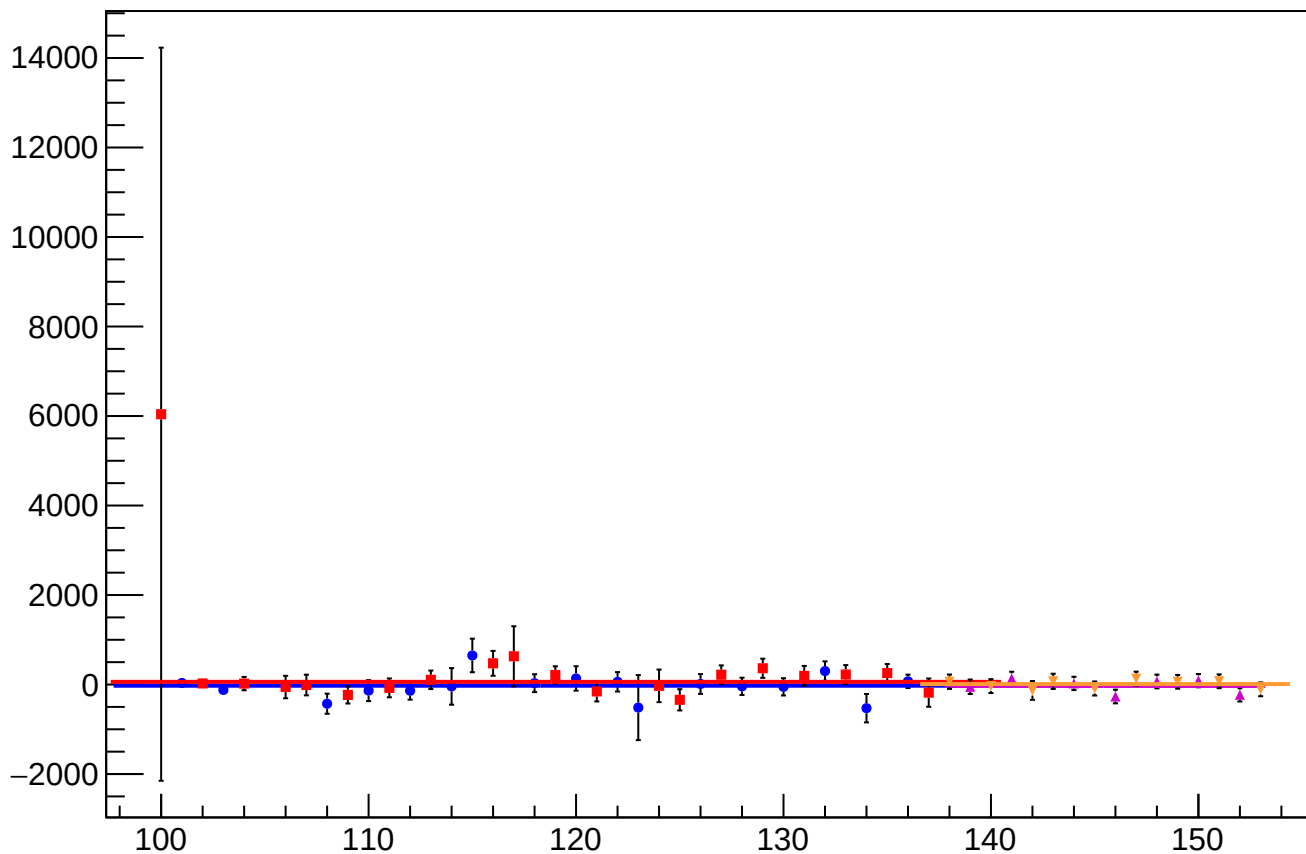
Left In: 2.057 $\pm$ 0.001 χ^2 /NDF: 246000.6/6

1.969 $\pm$ 0.000 χ^2 /NDF: 700869.7/25

2.014 $\pm$ 0.000 χ^2 /NDF: 1500188.7/52

2.063 $\pm$ 0.000 χ^2 /NDF: 776427.3/26

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 10.157+/-53.801 χ^2/NDF : 2.6/8

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

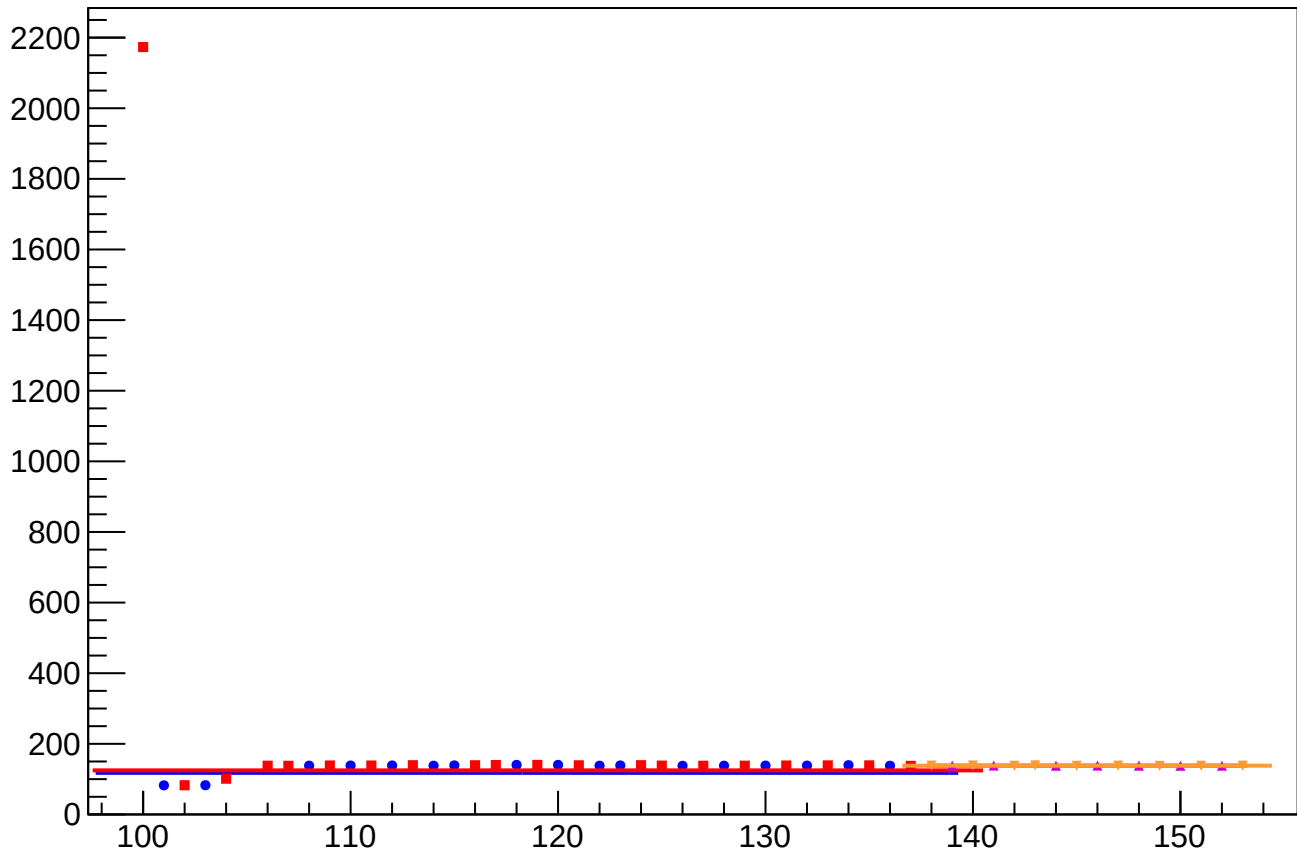
Left In: -30.847+/-57.656 χ^2/NDF : 6.5/6

-10.577+/-35.306 χ^2/NDF : 17.3/25

5.688+/-25.446 χ^2/NDF : 41.9/52

23.270+/-36.708 χ^2/NDF : 24.2/26

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.075 $\pm$ 0.038 χ^2 /NDF: 98.2/8

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

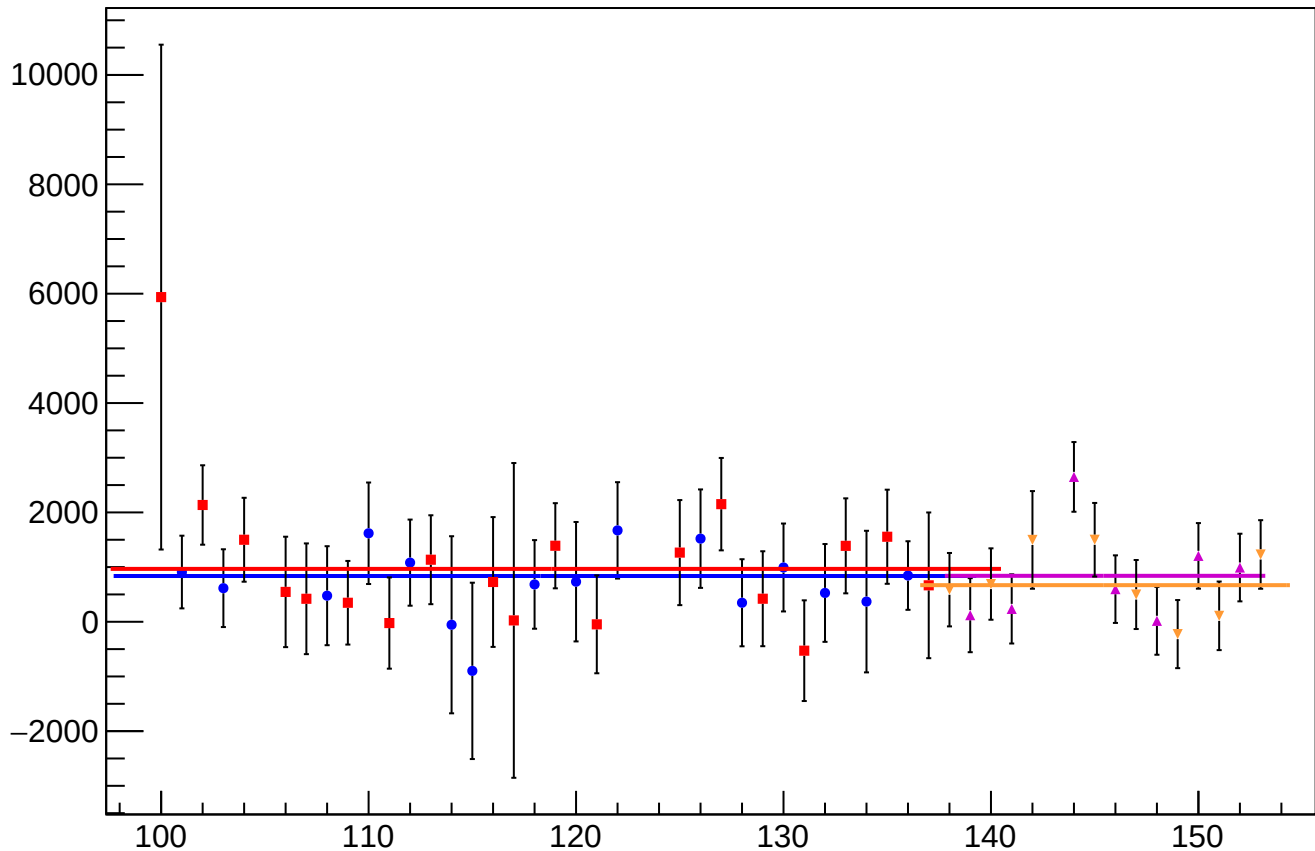
Left In: 138.271 $\pm$ 0.041 χ^2 /NDF: 27.8/6

126.558 $\pm$ 0.025 χ^2 /NDF: 827698.3/25

128.345 $\pm$ 0.018 χ^2 /NDF: 1484393.5/52

130.277 $\pm$ 0.026 χ^2 /NDF: 646028.9/26

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 669.610 $\pm$ 234.393 χ^2 /NDF:6.1/7

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

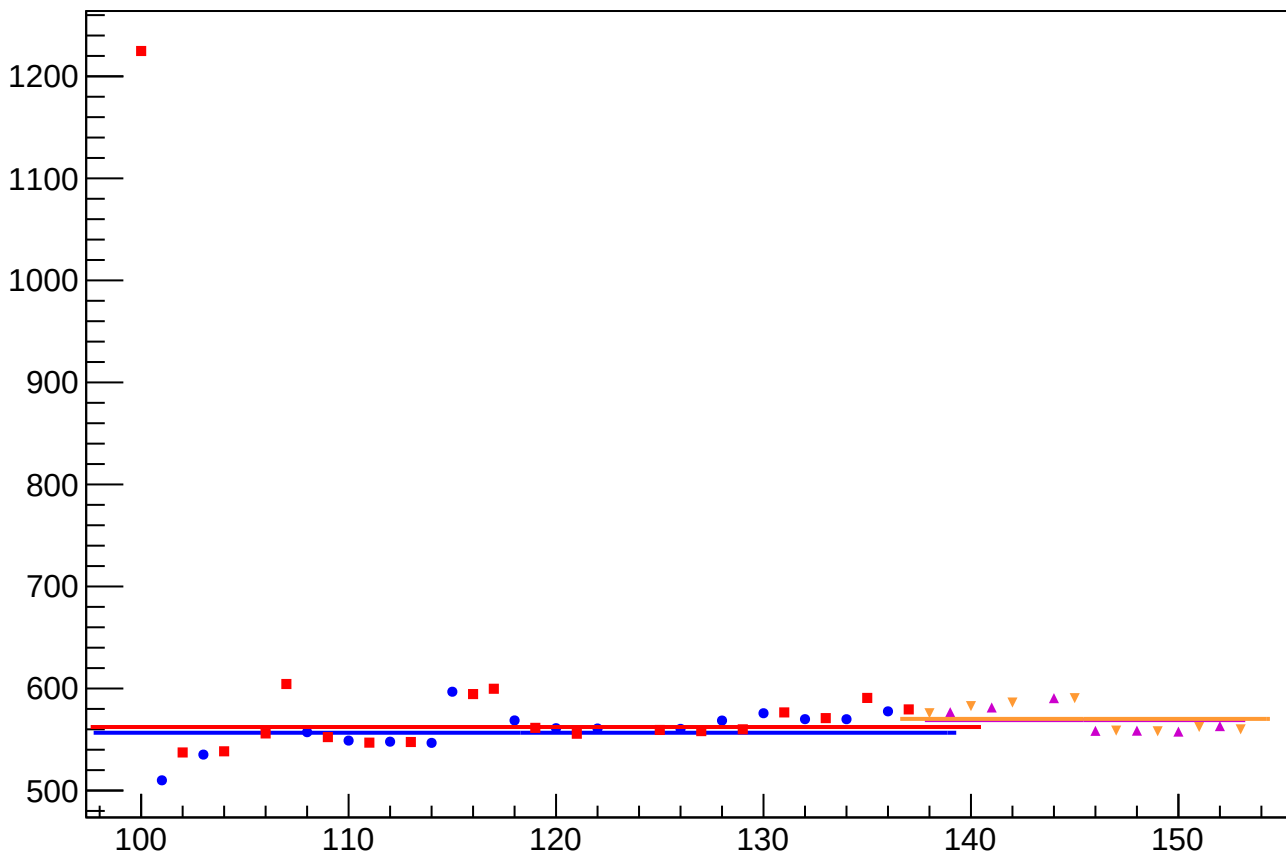
Left In: 840.477 $\pm$ 237.311 χ^2 /NDF:12.4/6

760.085 $\pm$ 158.912 χ^2 /NDF: 11.1/23

835.869 $\pm$ 112.104 χ^2 /NDF: 38.6/49

910.948 $\pm$ 158.170 χ^2 /NDF: 27.0/25

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 570.221 $\pm$ 0.166 χ^2 /NDF: 5617.1/7

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

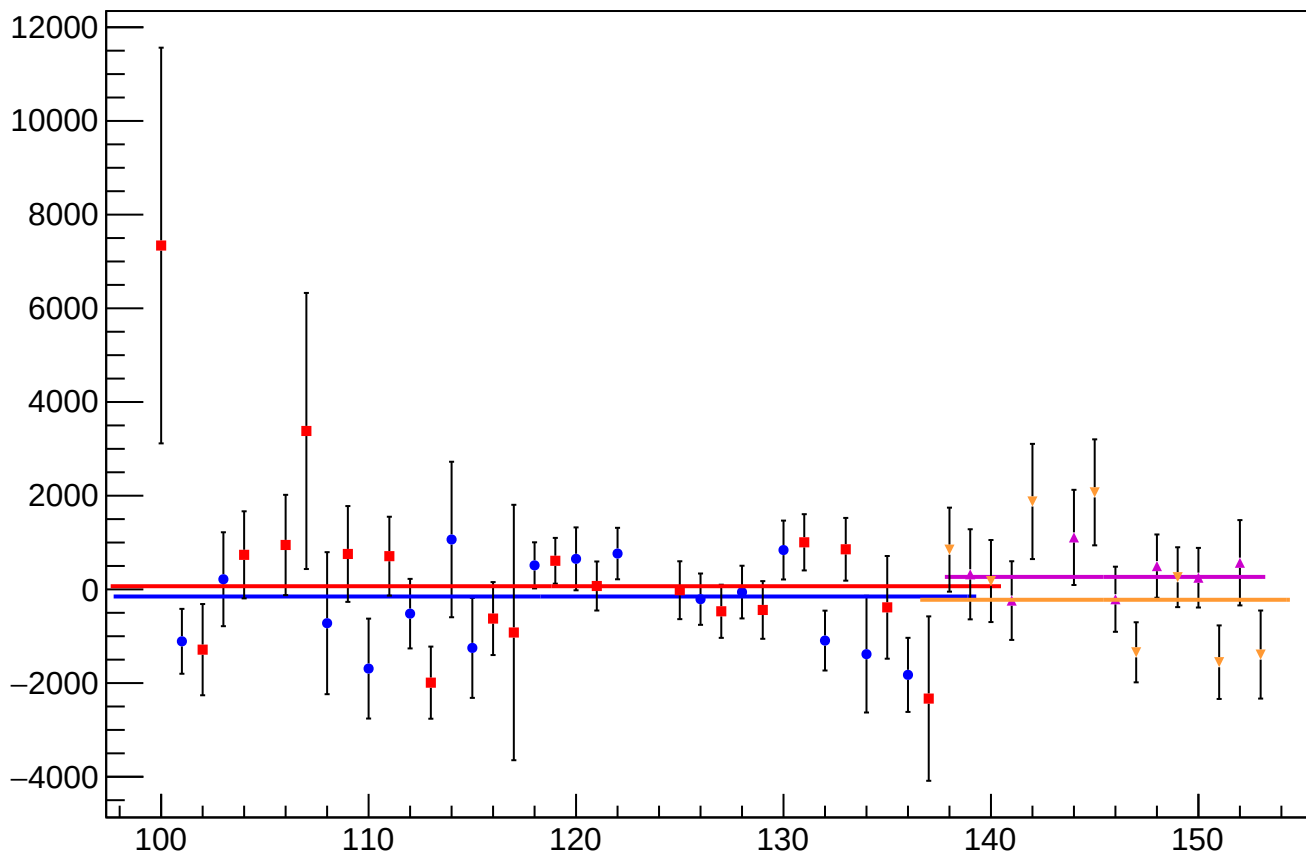
Left In: 569.020 $\pm$ 0.168 χ^2 /NDF: 5330.4/6

562.881 $\pm$ 0.112 χ^2 /NDF: 27638.2/23

564.076 $\pm$ 0.079 χ^2 /NDF: 90014.3/49

565.259 $\pm$ 0.112 χ^2 /NDF: 62151.0/25

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876 $\pm$ 180.078 χ^2 /NDF: 22.3/15

Left Out: -221.922 $\pm$ 293.300 χ^2 /NDF:16.7/7

Right Out: 67.516 $\pm$ 178.283 χ^2 /NDF: 25.1/18

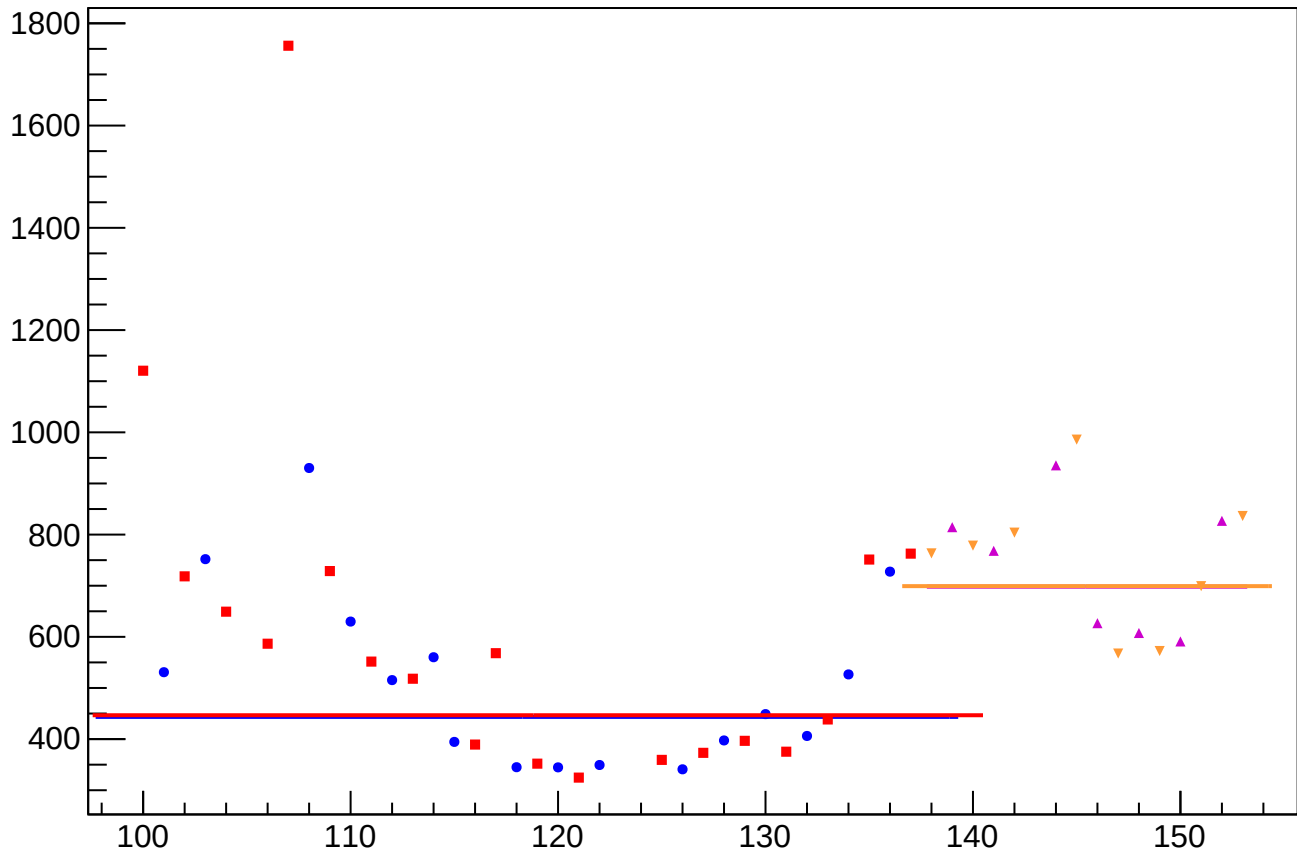
Left In: 266.477 $\pm$ 296.120 χ^2 /NDF:1.8/6

-171.052 $\pm$ 153.462 χ^2 /NDF: 39.1/23

-24.612 $\pm$ 108.257 χ^2 /NDF: 68.1/49

120.448 $\pm$ 152.737 χ^2 /NDF: 27.2/25

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 699.178+/-0.207 χ^2/NDF : 375405.0/7

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

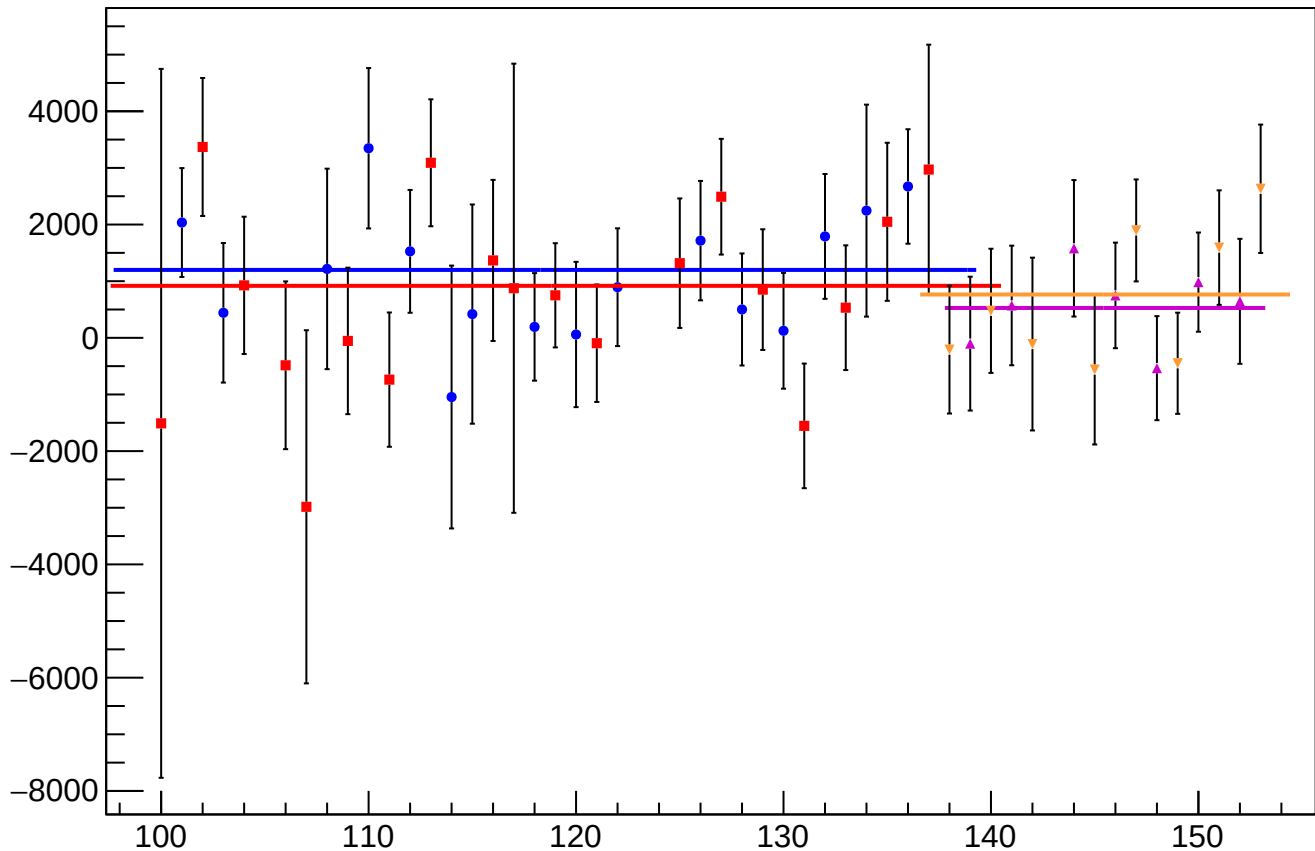
Left In: 698.137+/-0.209 χ^2/NDF : 306106.1/6

513.460+/-0.109 χ^2/NDF : 2540521.1/23

513.515+/-0.077 χ^2/NDF : 5369198.8/49

513.570+/-0.108 χ^2/NDF : 2828677.2/25

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 764.816 ± 381.692 χ^2/NDF : 9.0/7

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

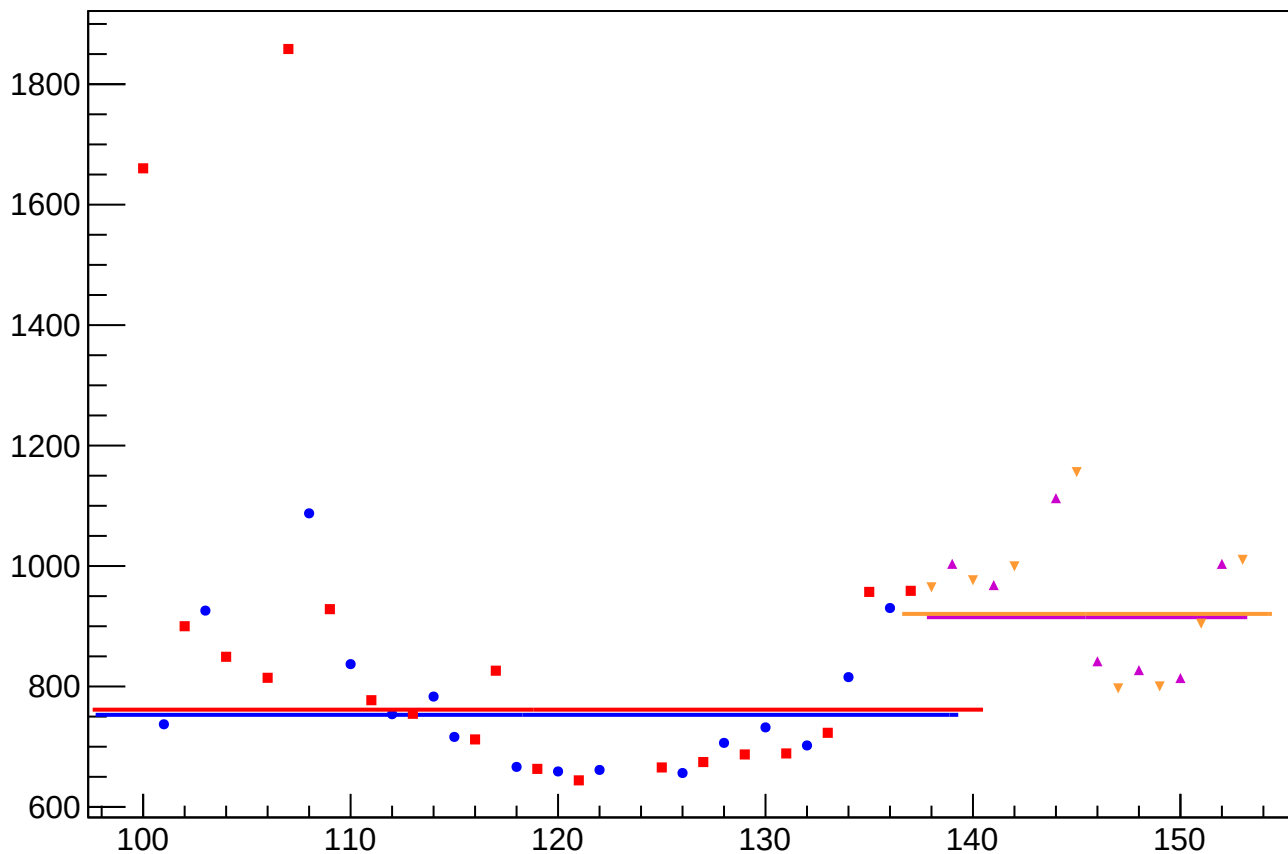
Left In: 527.383 ± 384.516 χ^2/NDF : 2.7/6

1036.449 ± 233.533 χ^2/NDF : 21.0/23

905.280 ± 164.872 χ^2/NDF : 48.2/49

774.936 ± 232.797 χ^2/NDF : 26.6/25

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 920.513 $\pm$ 0.270 χ^2/NDF : 164084.4/7

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

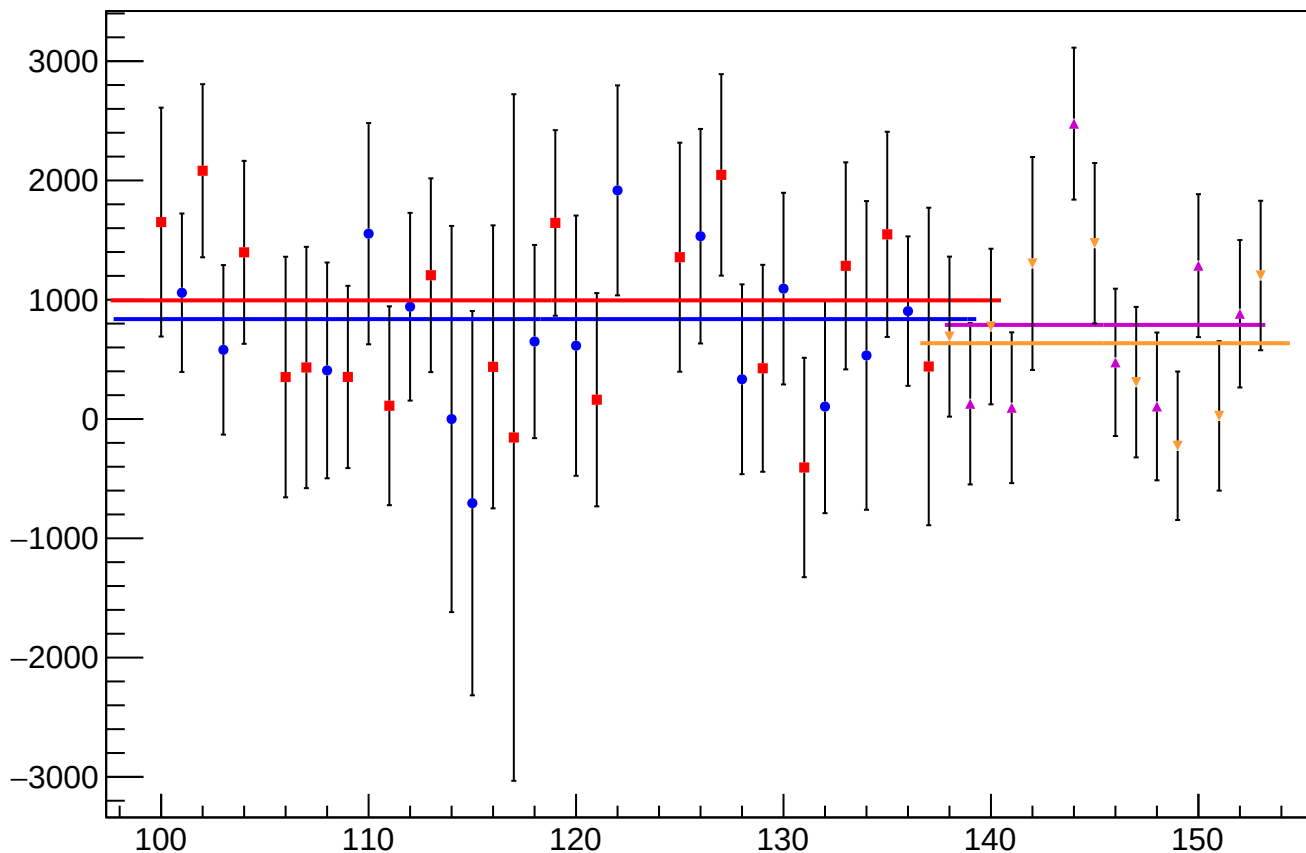
Left In: 915.072 $\pm$ 0.272 χ^2/NDF : 140261.4/6

815.668 $\pm$ 0.165 χ^2/NDF : 657802.5/23

816.737 $\pm$ 0.117 χ^2/NDF : 1517871.8/49

817.800 $\pm$ 0.165 χ^2/NDF : 859985.6/25

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 635.563 $\pm$ 234.204 χ^2/NDF : 6.1/7

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

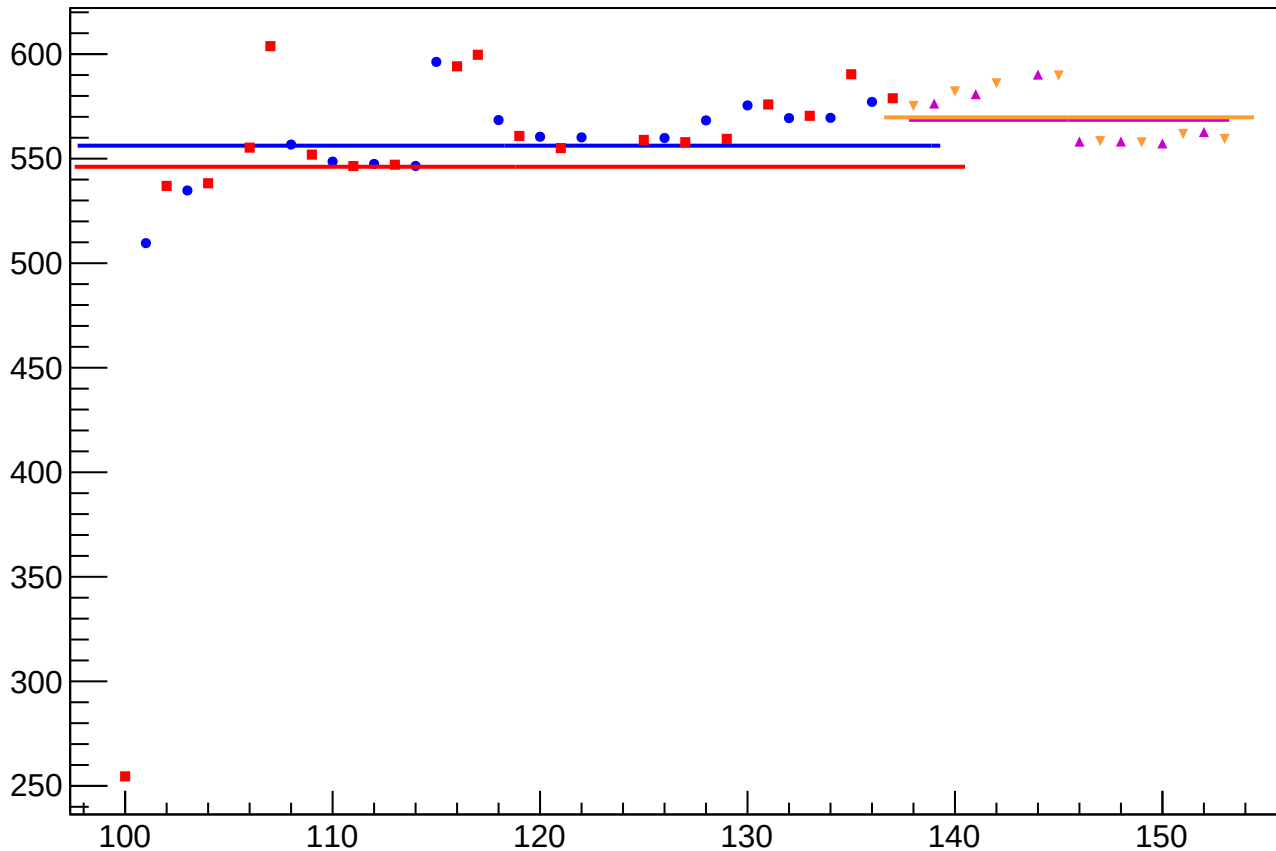
Left In: 788.991 $\pm$ 237.128 χ^2/NDF : 11.4/6

744.707 $\pm$ 158.787 χ^2/NDF : 12.2/23

826.558 $\pm$ 111.292 χ^2/NDF : 37.2/49

905.593 $\pm$ 156.031 χ^2/NDF : 24.5/25

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 569.762 $\pm$ 0.166 χ^2 /NDF: 5547.6/7

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

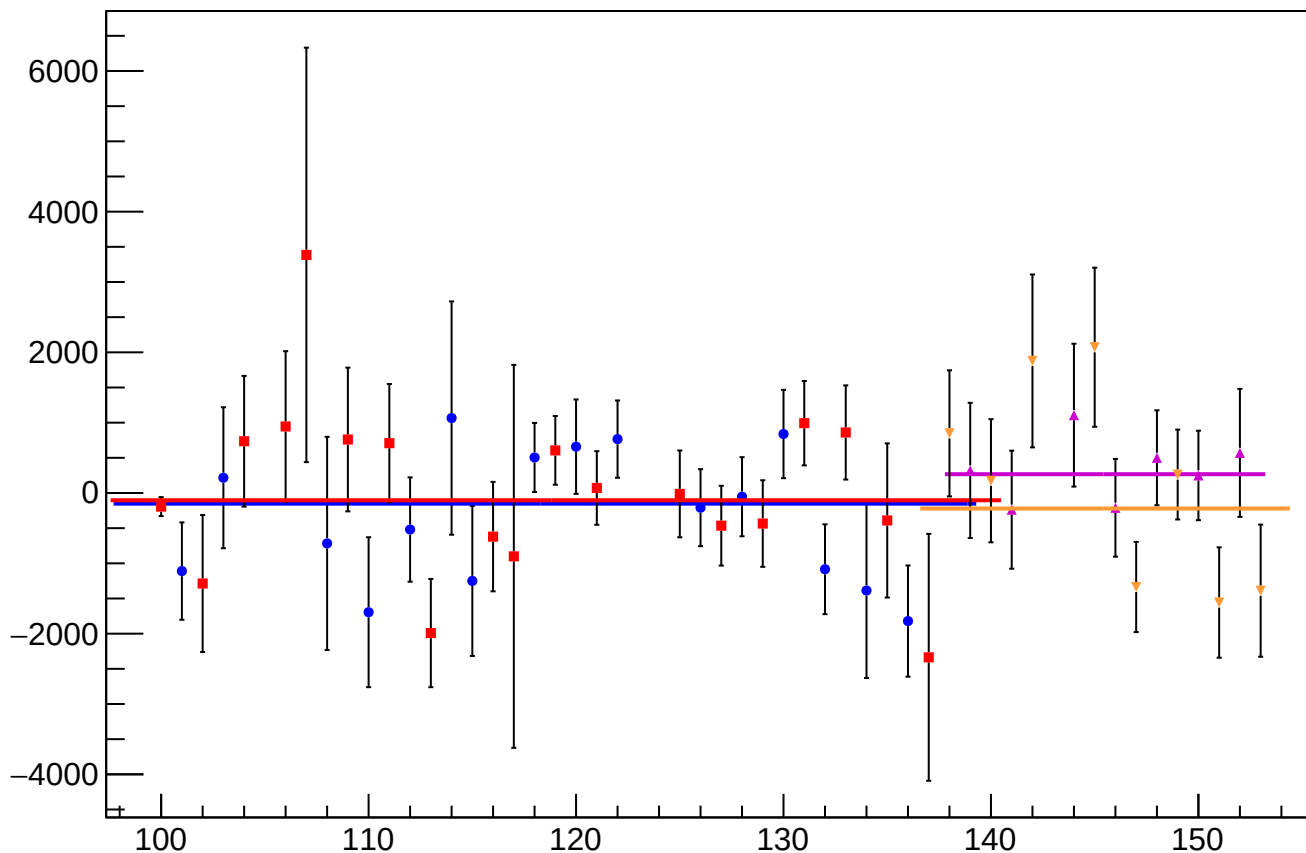
Left In: 568.583 $\pm$ 0.168 χ^2 /NDF: 5342.4/6

562.440 $\pm$ 0.112 χ^2 /NDF: 27583.4/23

559.086 $\pm$ 0.079 χ^2 /NDF: 253189.4/49

555.848 $\pm$ 0.110 χ^2 /NDF: 223852.3/25

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -220.682+/-293.159 χ^2/NDF : 16.7/7

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

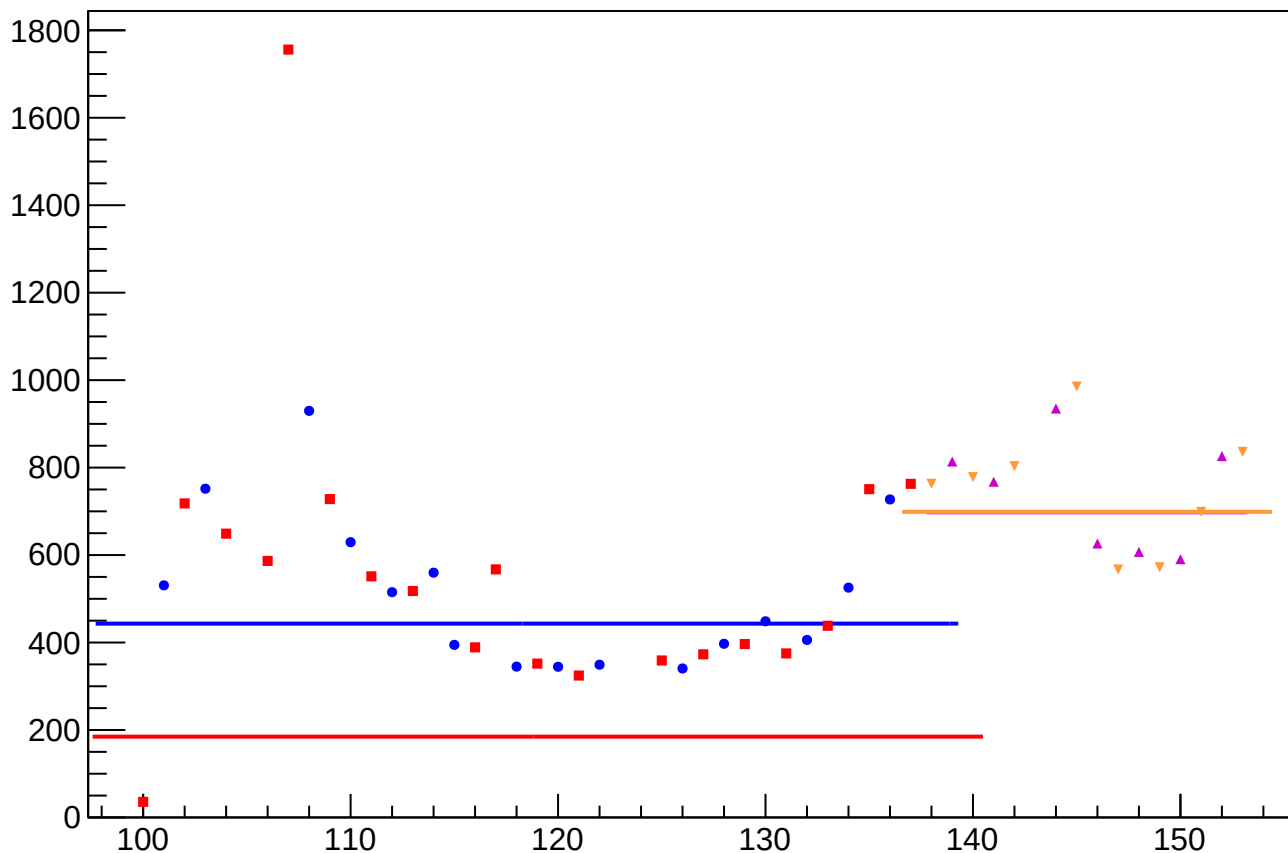
Left In: 267.243+/-295.956 χ^2/NDF : 1.8/6

-170.409+/-153.387 χ^2/NDF : 39.0/23

-93.492+/-84.438 χ^2/NDF : 65.8/49

-60.048+/-101.143 χ^2/NDF : 26.5/25

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 698.837+/-0.207 χ^2/NDF : 375654.8/7

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

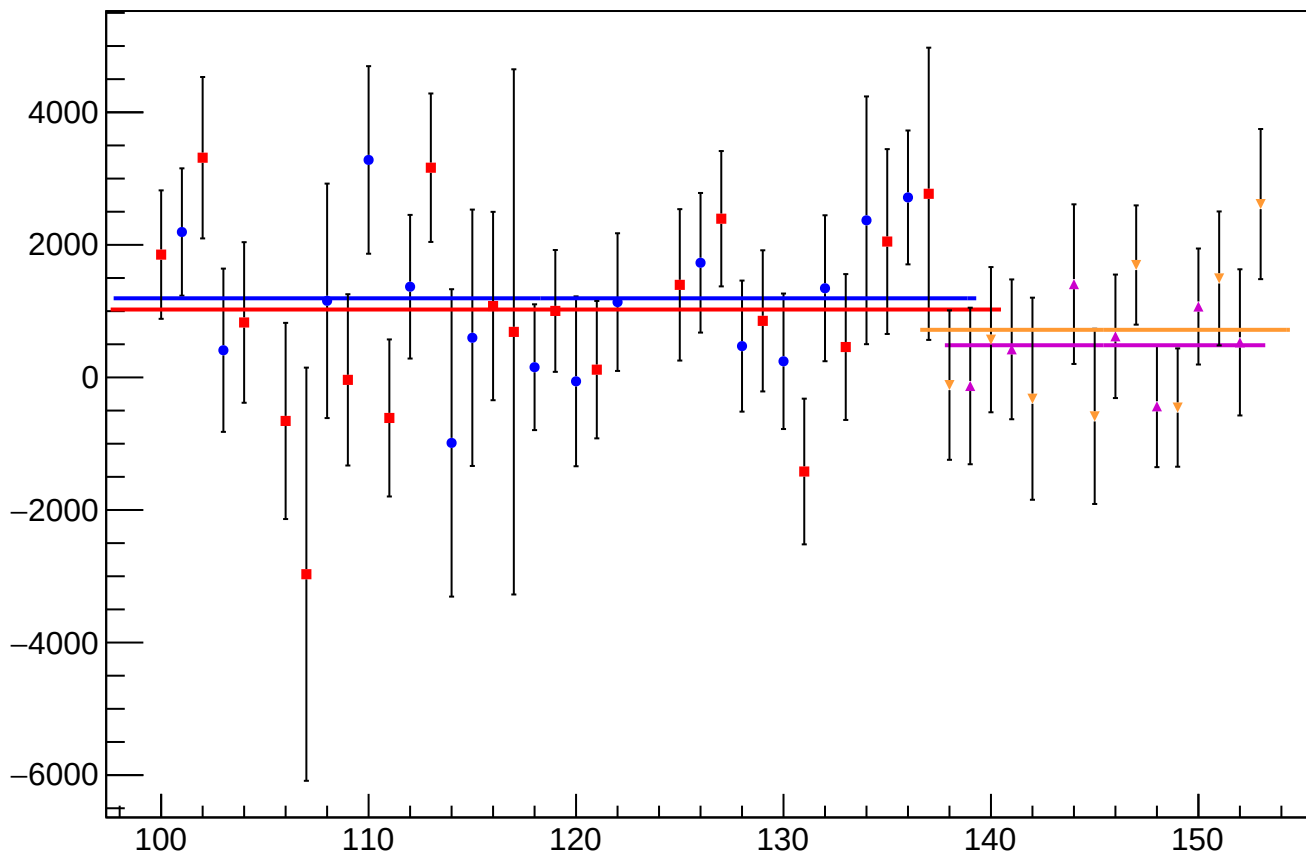
Left In: 697.748+/-0.209 χ^2/NDF : 306004.5/6

513.213+/-0.108 χ^2/NDF : 2540551.8/23

326.085+/-0.060 χ^2/NDF : 20542714.3/49

244.721+/-0.072 χ^2/NDF : 13731259.5/25

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 718.233 $\pm$ 381.473 χ^2 /NDF: 8.3/7

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

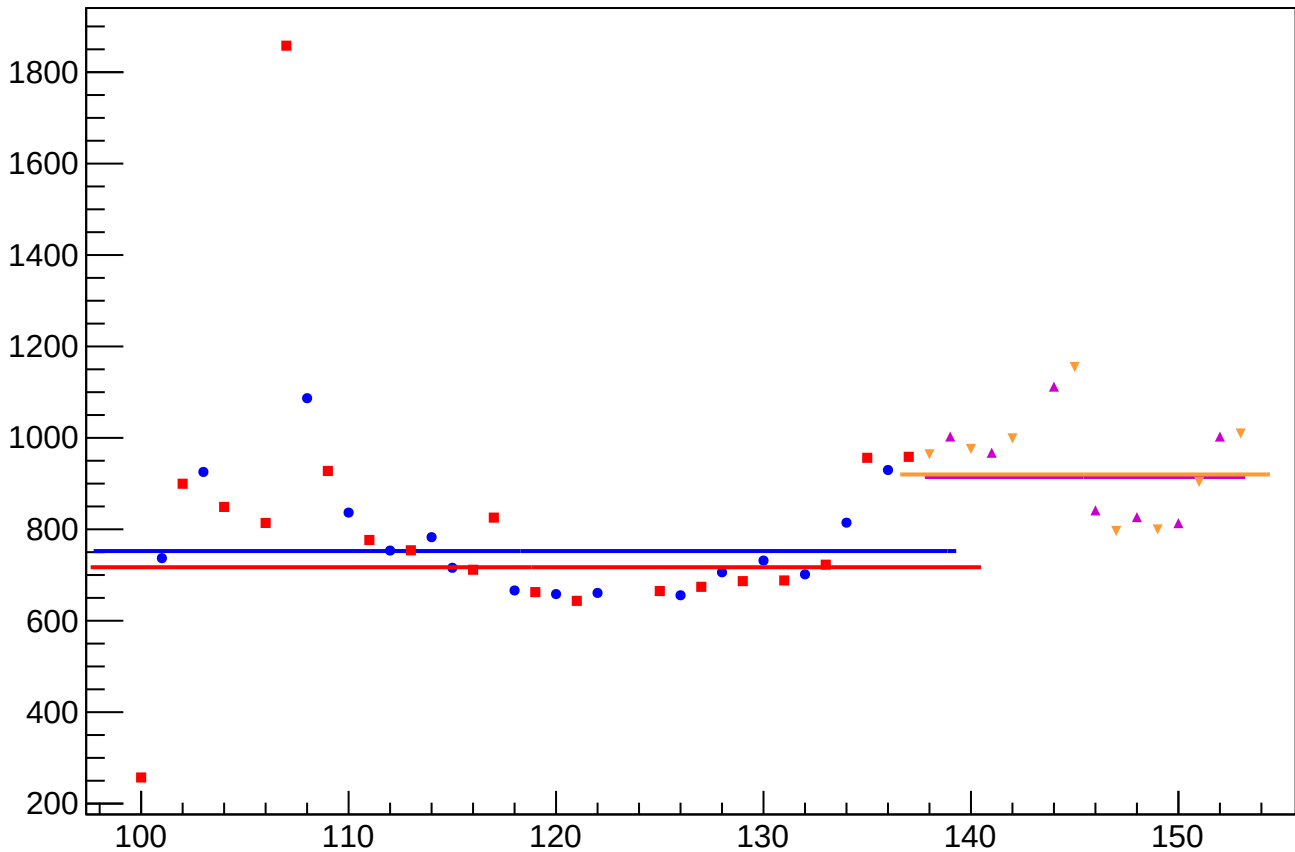
Left In: 485.577 $\pm$ 384.267 χ^2 /NDF: 2.3/6

1015.827 $\pm$ 233.385 χ^2 /NDF: 20.5/23

923.913 $\pm$ 162.487 χ^2 /NDF: 46.9/49

837.450 $\pm$ 226.360 χ^2 /NDF: 26.2/25

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 919.990 +/- 0.270 χ^2/NDF : 164014.9/7

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

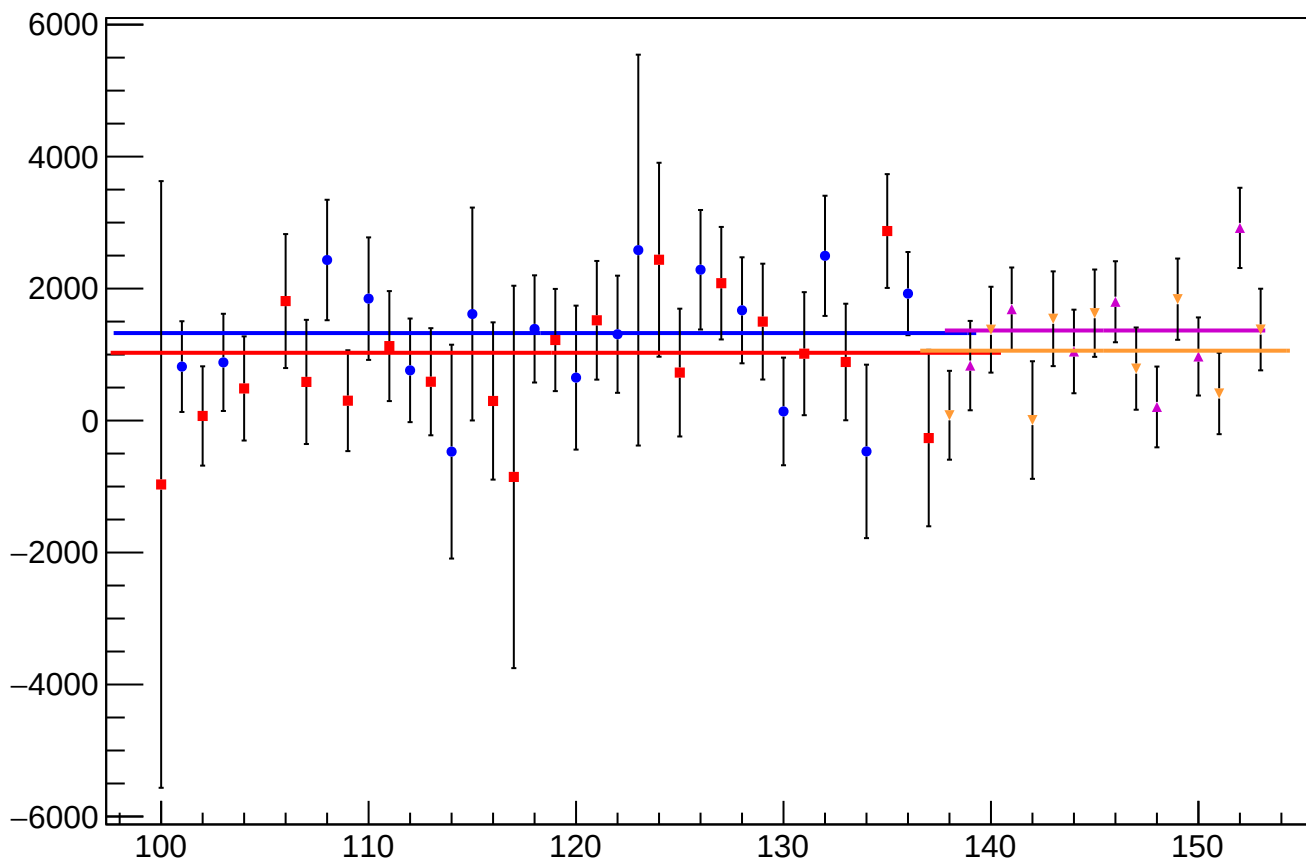
Left In: 914.477 +/- 0.272 χ^2/NDF : 140260.1/6

815.146 +/- 0.165 χ^2/NDF : 658164.5/23

799.906 +/- 0.115 χ^2/NDF : 2128095.8/49

785.569 +/- 0.160 χ^2/NDF : 1453378.9/25

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1058.857 $\pm$ 220.831 χ^2 /NDF: 8.1/8

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

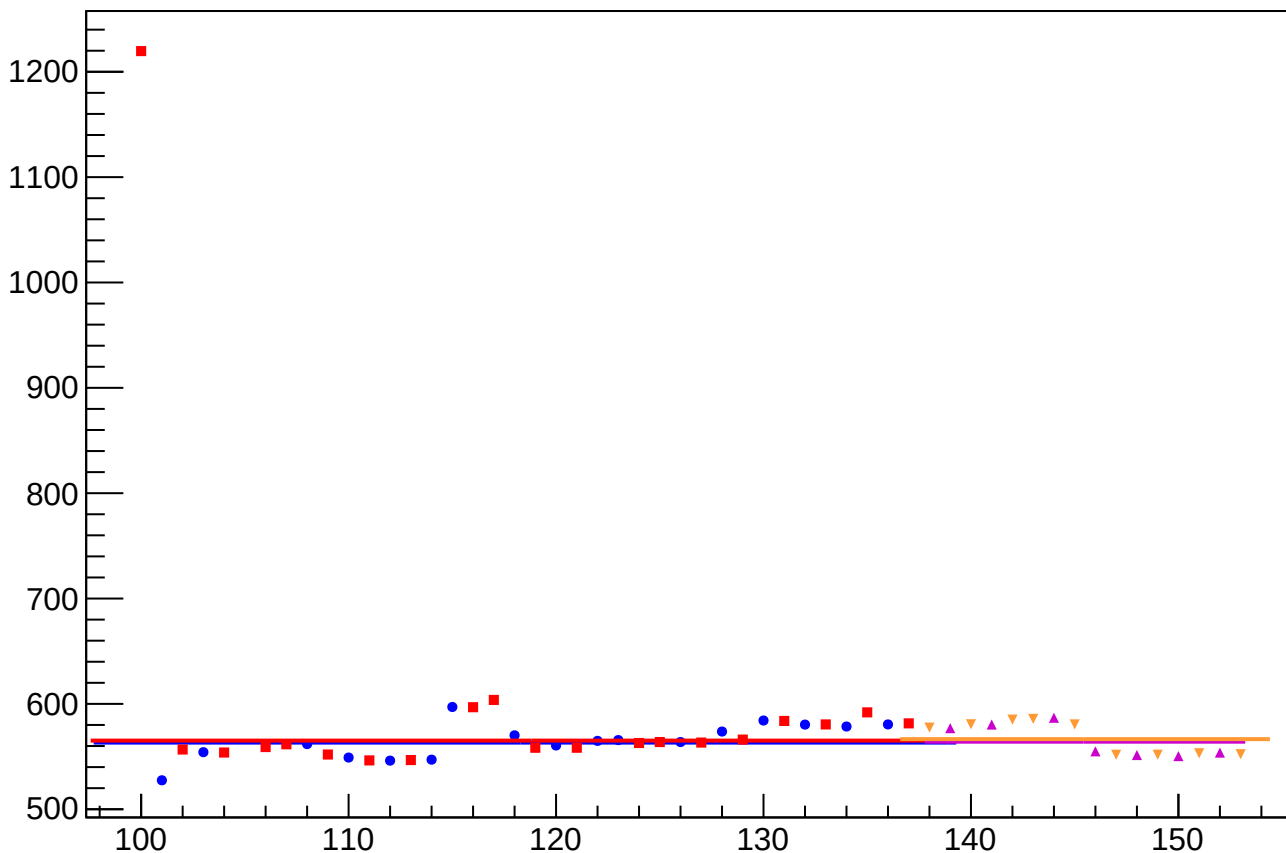
Left In: 1364.893 $\pm$ 235.294 χ^2 /NDF: 12.2/6

1193.973 $\pm$ 155.179 χ^2 /NDF: 21.7/25

1185.898 $\pm$ 110.400 χ^2 /NDF: 48.9/52

1177.622 $\pm$ 157.097 χ^2 /NDF: 27.2/26

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 566.552+/-0.156 χ^2/NDF : 8967.7/8

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

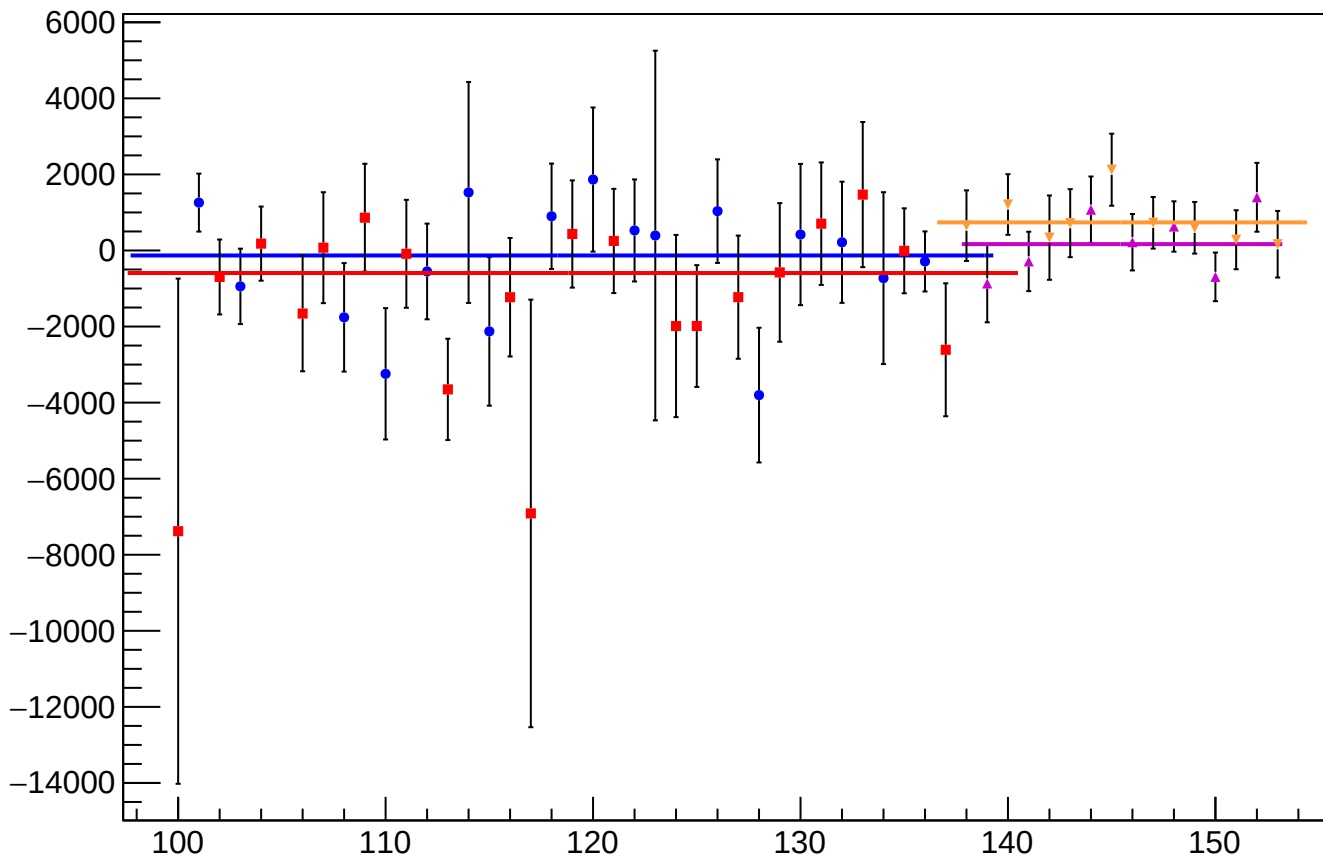
Left In: 564.131+/-0.166 χ^2/NDF : 7575.4/6

564.888+/-0.110 χ^2/NDF : 21712.2/25

564.793+/-0.078 χ^2/NDF : 78963.0/52

564.696+/-0.111 χ^2/NDF : 57249.3/26

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -131.097 $\pm$ 327.588 χ^2/NDF : 17.2/16

Left Out: 738.414 $\pm$ 275.032 χ^2/NDF : 3.4/8

Right Out: -591.948 $\pm$ 331.825 χ^2/NDF : 15.9/19

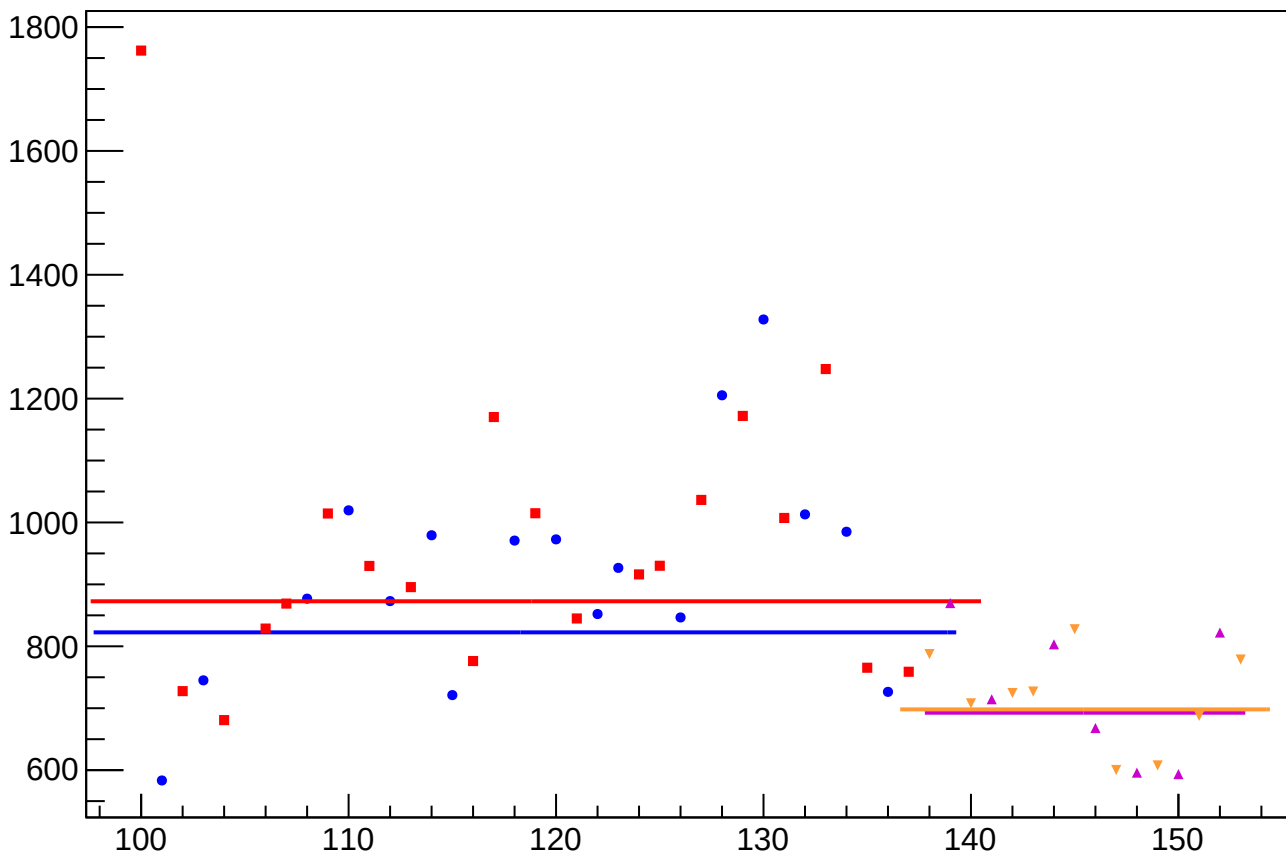
Left In: 167.124 $\pm$ 292.679 χ^2/NDF : 6.6/6

378.917 $\pm$ 210.638 χ^2/NDF : 24.8/25

118.147 $\pm$ 151.979 χ^2/NDF : 53.4/52

-165.017 $\pm$ 219.497 χ^2/NDF : 25.4/26

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 698.116+/-0.194 χ^2/NDF : 153718.2/8

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

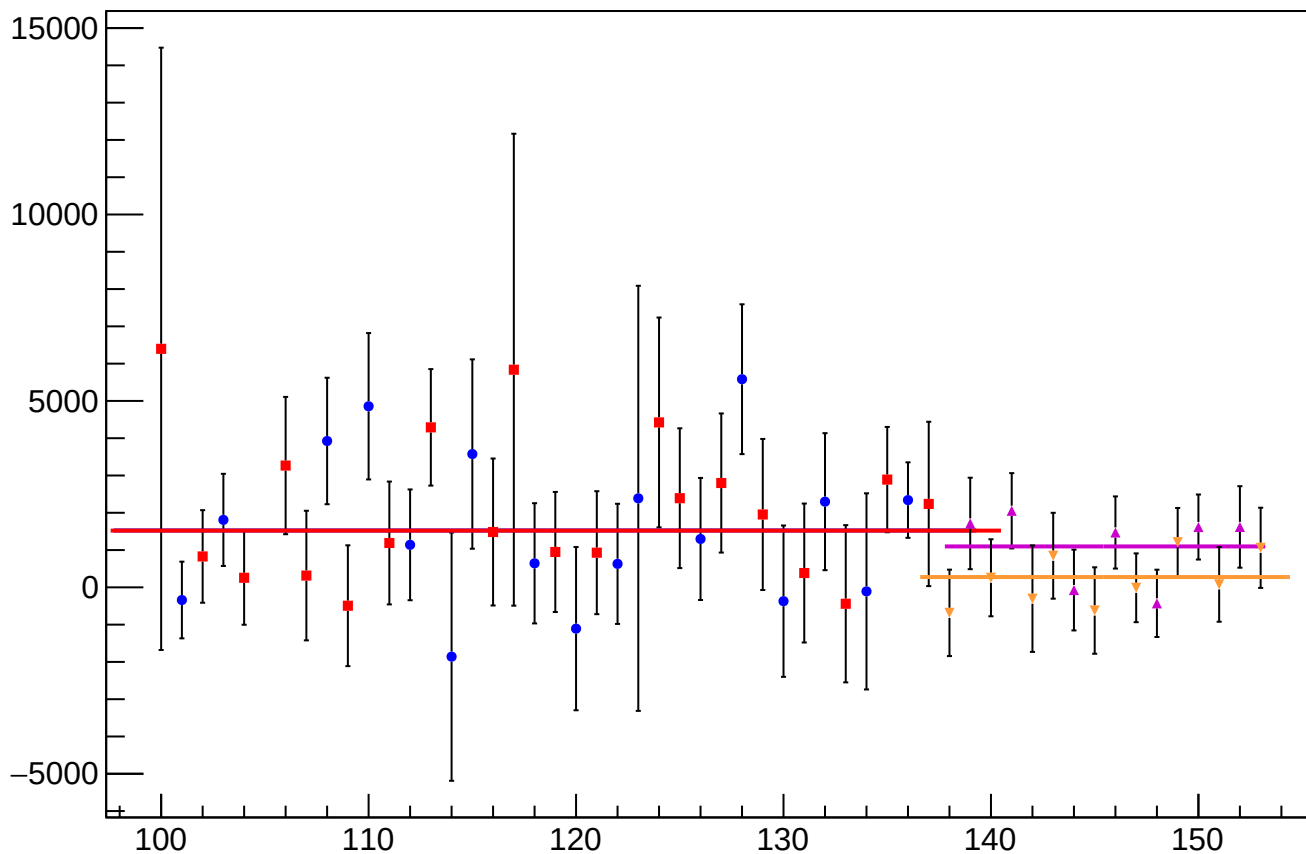
Left In: 692.770+/-0.207 χ^2/NDF : 227659.6/6

749.553+/-0.149 χ^2/NDF : 923874.0/25

760.079+/-0.107 χ^2/NDF : 1905250.4/52

771.509+/-0.155 χ^2/NDF : 970958.9/26

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 276.181 $\pm$ 355.940 χ^2 /NDF: 3.4/8

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

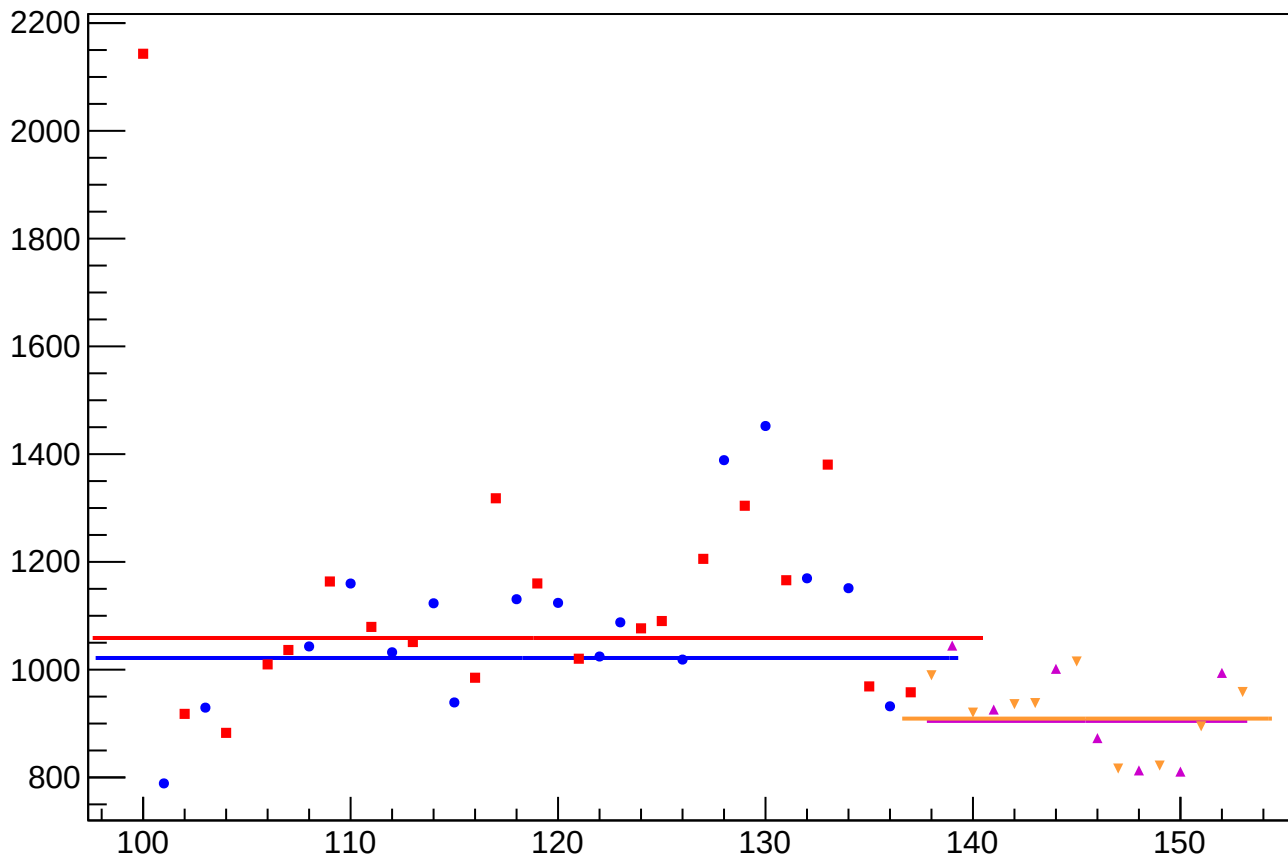
Left In: 1097.566 $\pm$ 379.462 χ^2 /NDF: 5.9/6

825.518 $\pm$ 266.428 χ^2 /NDF: 27.1/25

1054.692 $\pm$ 191.358 χ^2 /NDF: 47.7/52

1298.884 $\pm$ 275.019 χ^2 /NDF: 19.1/26

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 909.170 +/- 0.252 χ^2/NDF : 71396.0/8

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

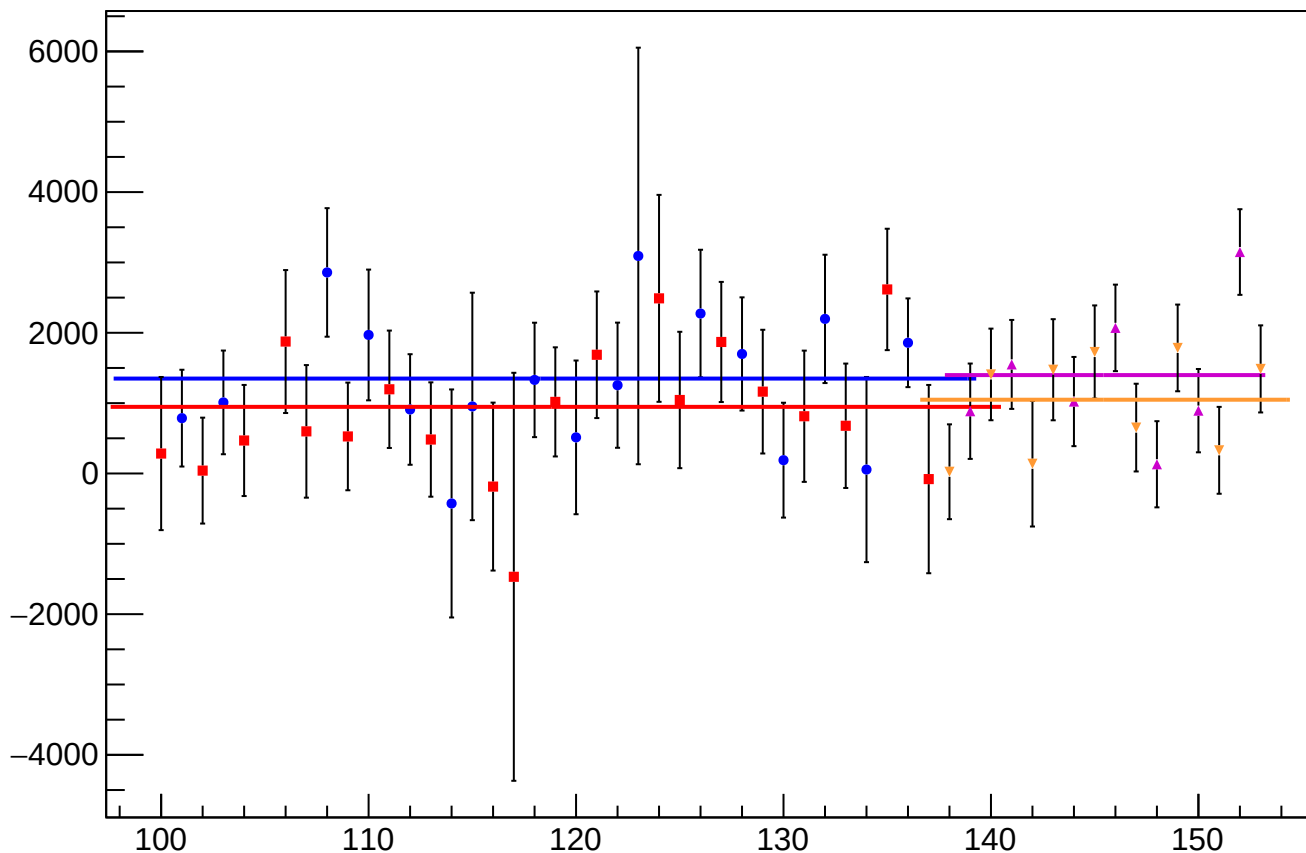
Left In: 904.904 +/- 0.268 χ^2/NDF : 102222.9/6

958.636 +/- 0.188 χ^2/NDF : 491189.6/25

967.989 +/- 0.135 χ^2/NDF : 988949.1/52

977.954 +/- 0.194 χ^2/NDF : 492669.1/26

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1048.478 +/- 221.043 χ^2/NDF : 8.7/8

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

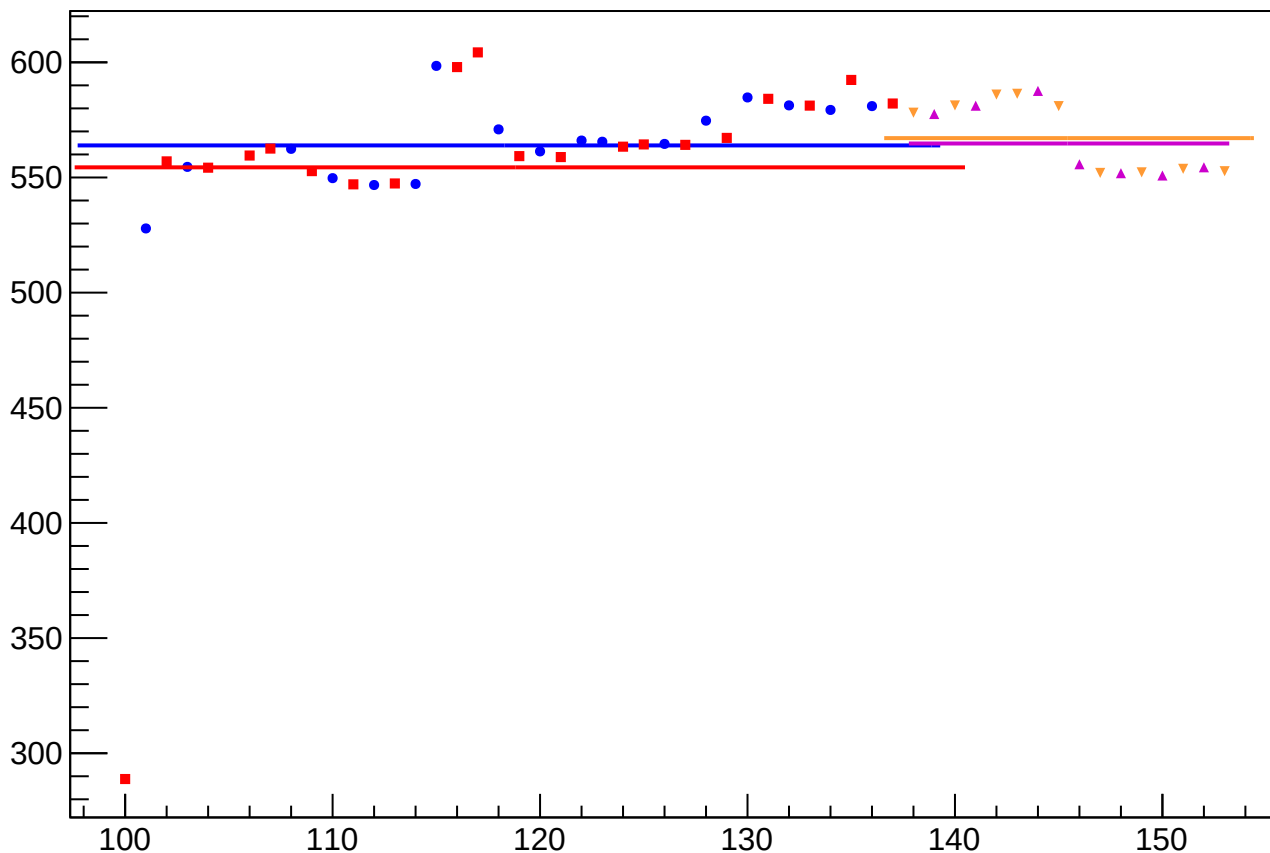
Left In: 1398.659 +/- 235.557 χ^2/NDF : 15.4/6

1200.652 +/- 155.344 χ^2/NDF : 22.0/25

1172.643 +/- 109.988 χ^2/NDF : 52.5/52

1144.487 +/- 155.750 χ^2/NDF : 30.5/26

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 567.093 ± 0.156 χ^2/NDF : 9045.7/8

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

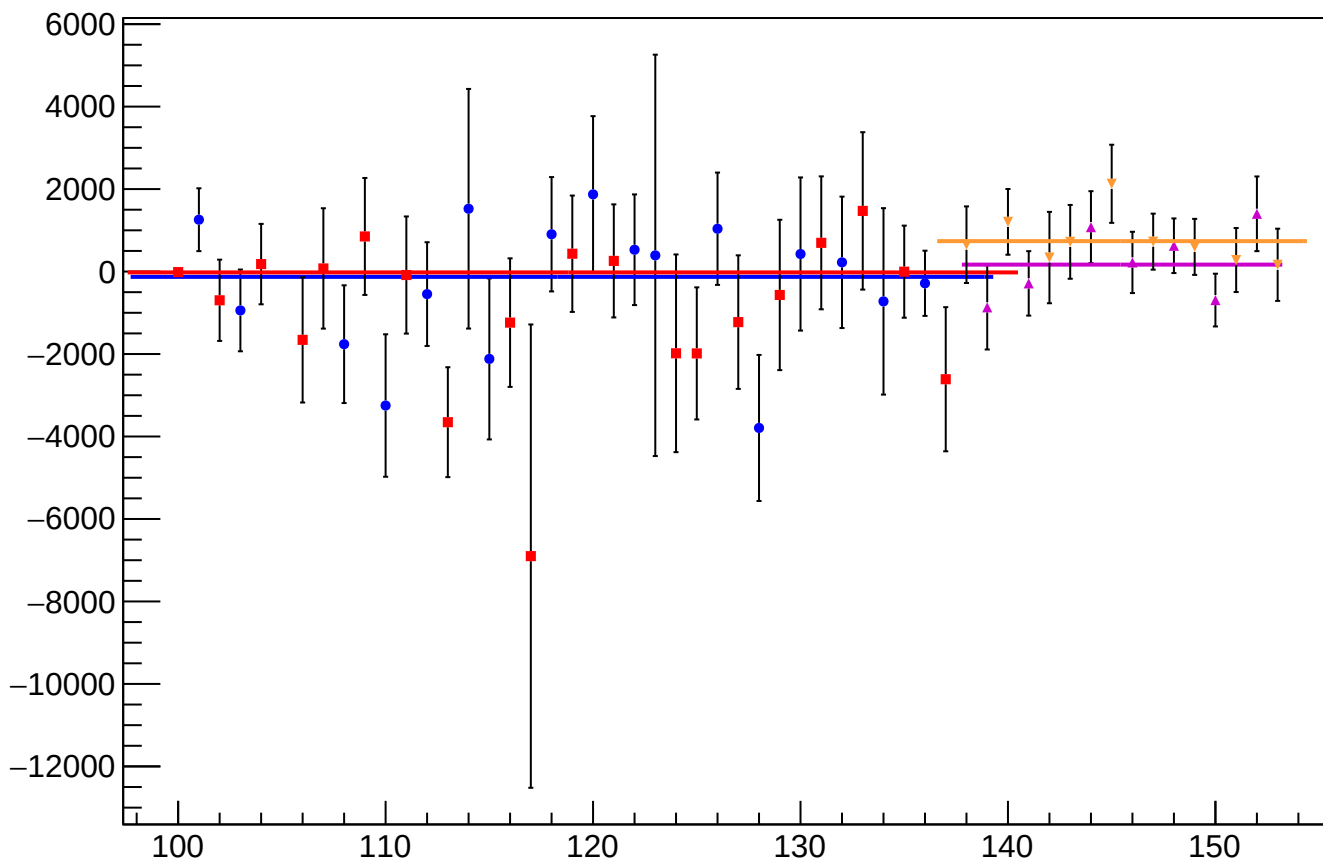
Left In: 564.758 ± 0.167 χ^2/NDF : 7647.4/6

565.488 ± 0.110 χ^2/NDF : 21917.0/25

562.217 ± 0.078 χ^2/NDF : 166078.7/52

558.929 ± 0.110 χ^2/NDF : 142383.7/26

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 737.900+/-275.132 χ^2/NDF : 3.5/8

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

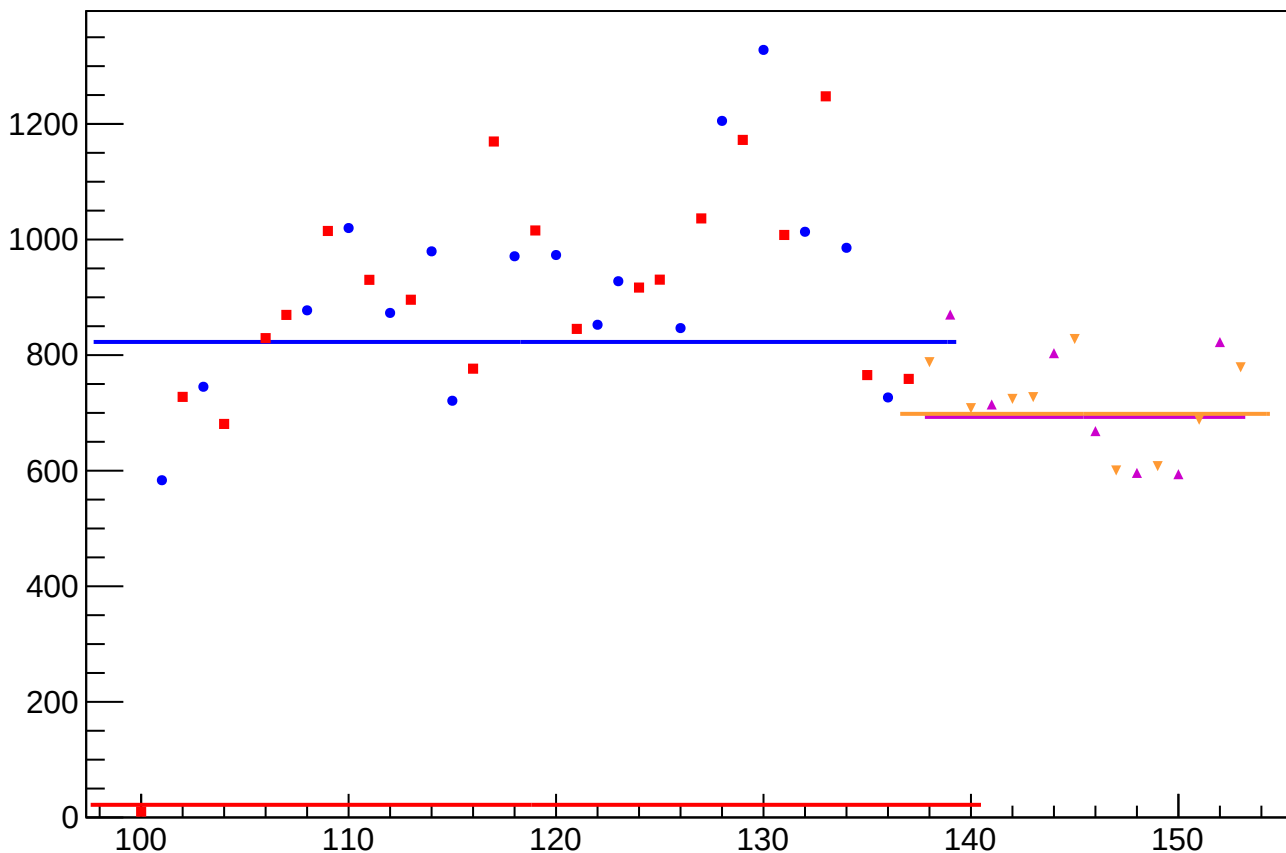
Left In: 168.053+/-292.806 χ^2/NDF : 6.6/6

379.572+/-210.710 χ^2/NDF : 24.8/25

-4.533+/-37.981 χ^2/NDF : 52.8/52

-17.432+/-38.613 χ^2/NDF : 24.6/26

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 698.364 $\pm$ 0.195 χ^2/NDF : 153784.6/8

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

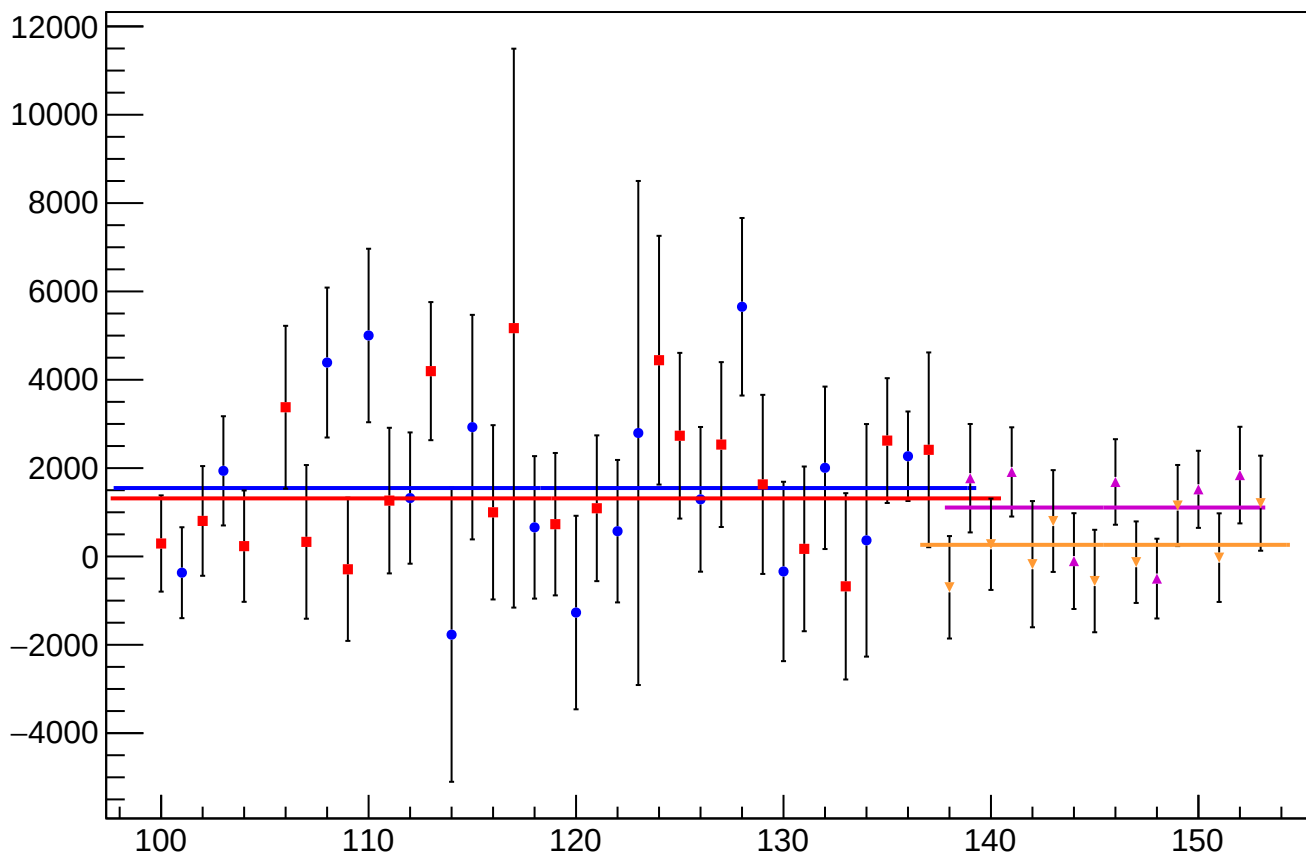
Left In: 693.078 $\pm$ 0.207 χ^2/NDF : 227425.6/6

749.807 $\pm$ 0.149 χ^2/NDF : 923760.8/25

56.812 $\pm$ 0.027 χ^2/NDF : 47444820.4/52

33.540 $\pm$ 0.027 χ^2/NDF : 24161414.3/26

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 263.166 $\pm$ 356.151 χ^2 /NDF: 3.5/8

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

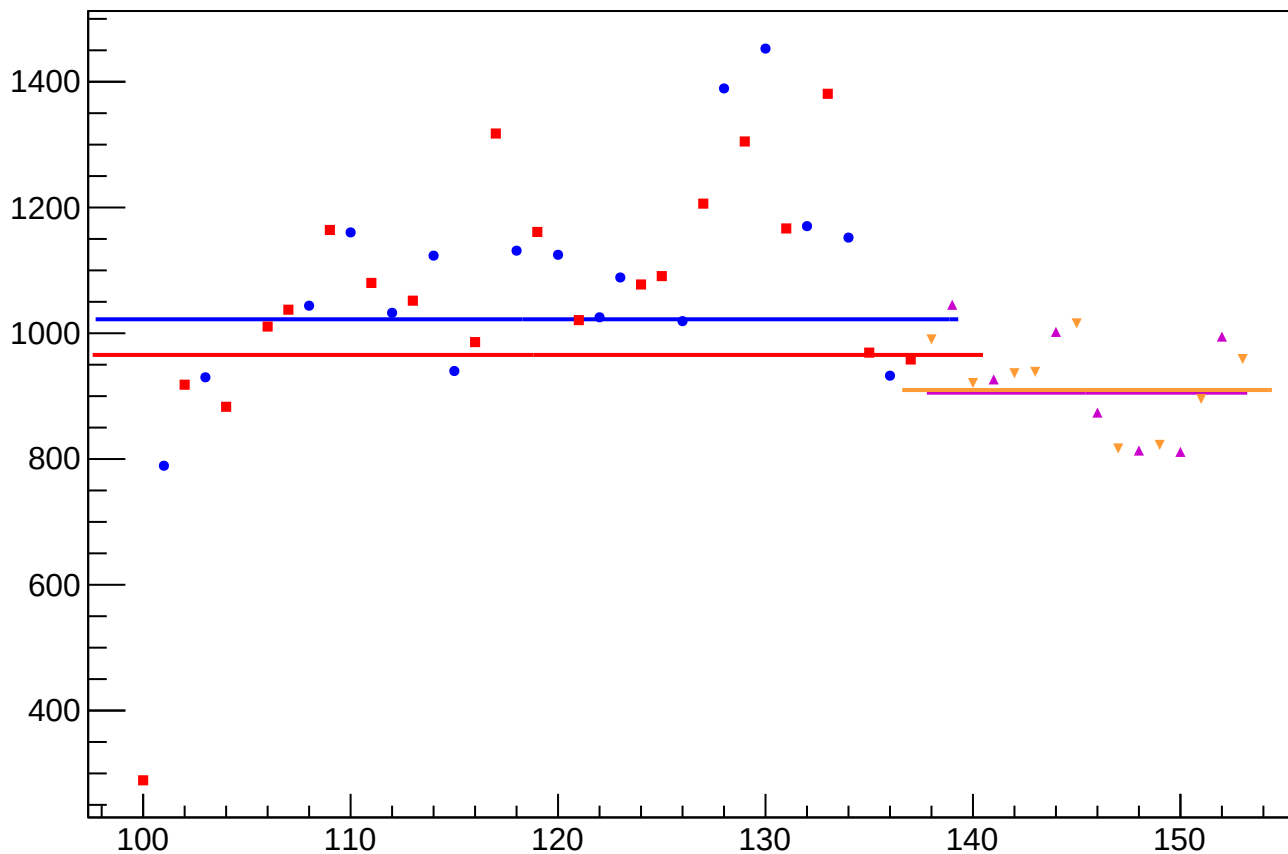
Left In: 1107.613 $\pm$ 379.719 χ^2 /NDF: 6.4/6

828.537 $\pm$ 266.582 χ^2 /NDF: 28.2/25

1020.138 $\pm$ 188.634 χ^2 /NDF: 48.7/52

1212.277 $\pm$ 266.955 χ^2 /NDF: 19.4/26

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.241 $\pm$ 0.284 χ^2 /NDF: 331865.9/16

Left Out: 909.703 $\pm$ 0.252 χ^2 /NDF: 71466.7/8

Right Out: 965.574 $\pm$ 0.265 χ^2 /NDF: 1073497.1/19

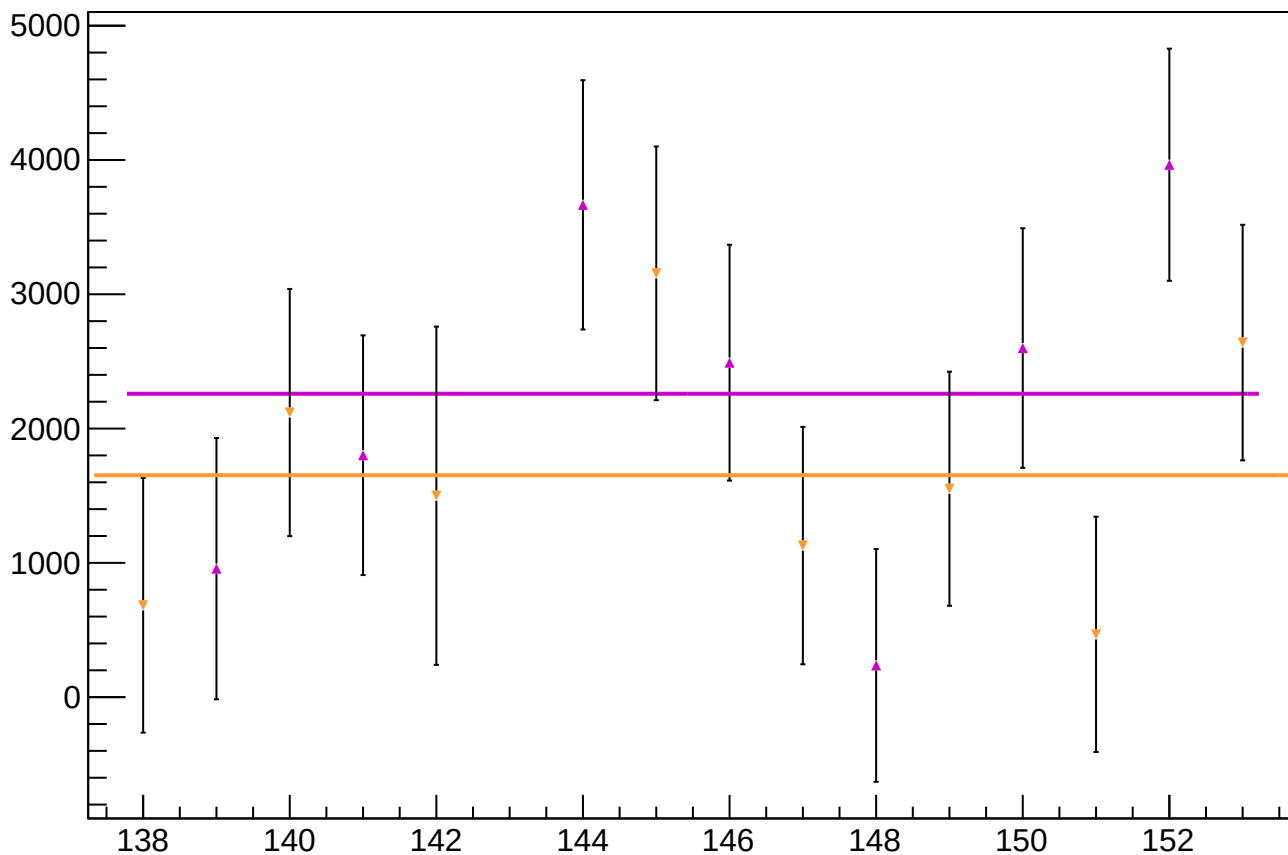
Left In: 905.520 $\pm$ 0.269 χ^2 /NDF: 102213.1/6

959.190 $\pm$ 0.189 χ^2 /NDF: 491144.5/25

947.557 $\pm$ 0.133 χ^2 /NDF: 1699782.0/52

935.892 $\pm$ 0.189 χ^2 /NDF: 1201009.9/26

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1652.487+/-328.905 χ^2/NDF : 7.3/7

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

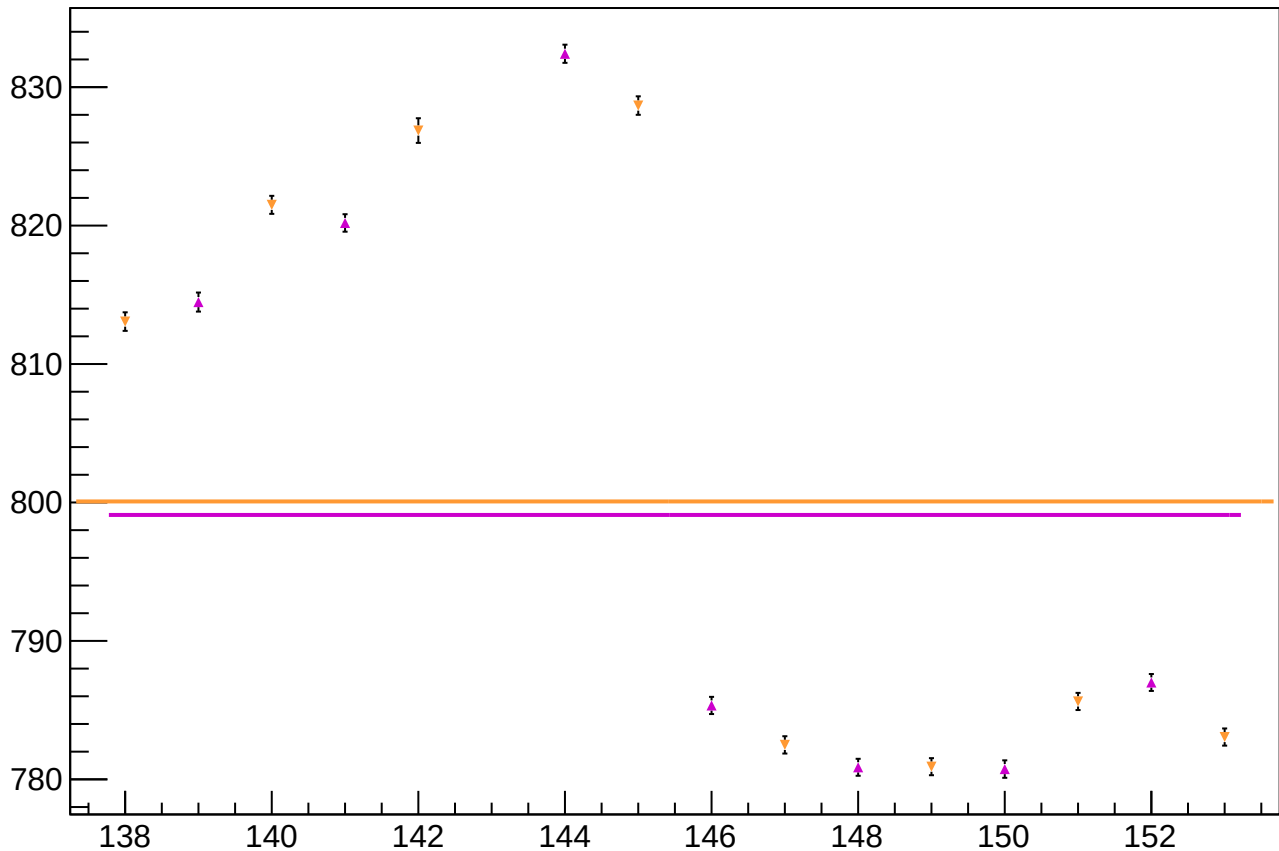
Left In: 2259.363+/-339.084 χ^2/NDF : 13.9/6

1652.487+/-328.905 χ^2/NDF : 7.3/7

1946.679+/-236.087 χ^2/NDF : 22.9/14

2259.363+/-339.084 χ^2/NDF : 13.9/6

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 800.074+/-0.233 χ^2/NDF : 7252.5/7

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

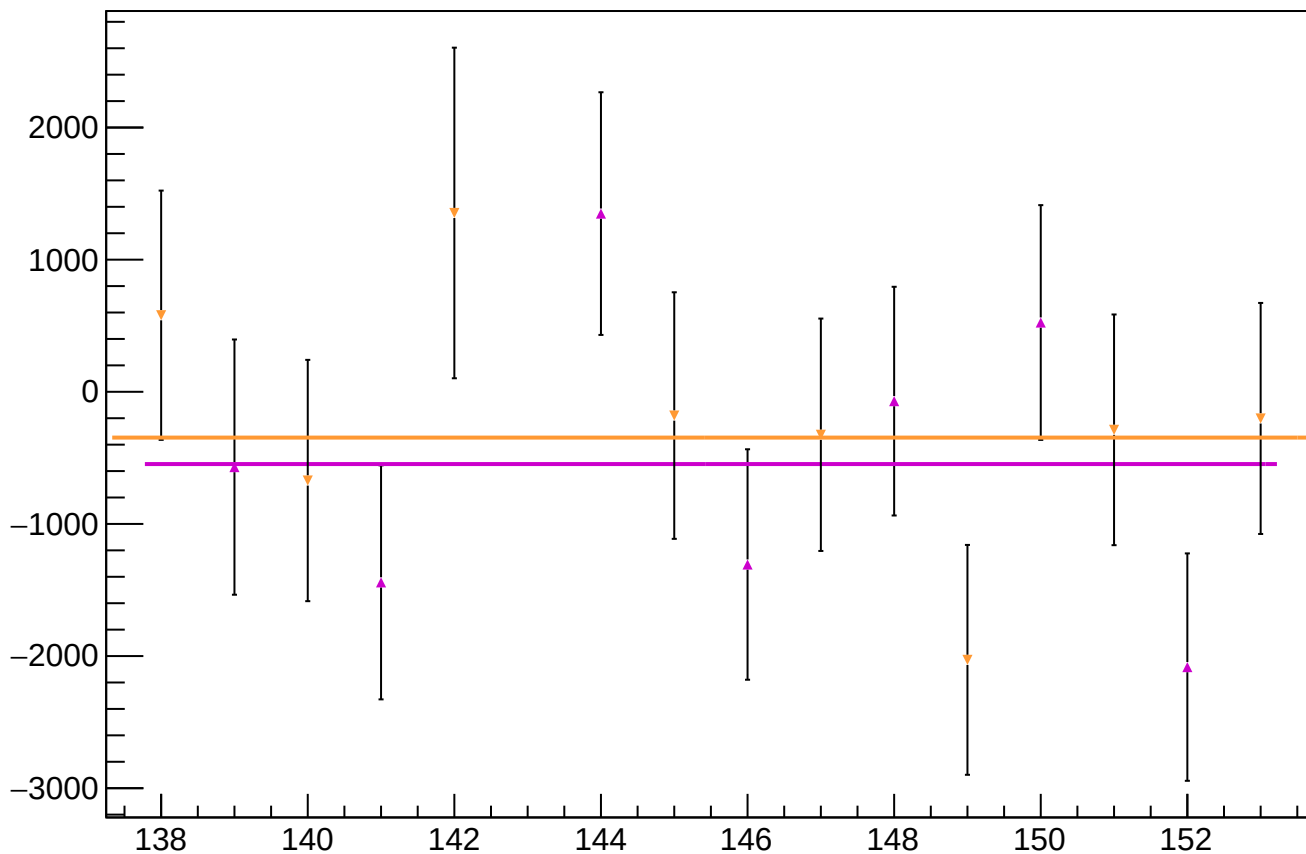
Left In: 799.098+/-0.240 χ^2/NDF : 6808.1/6

800.074+/-0.233 χ^2/NDF : 7252.5/7

799.601+/-0.167 χ^2/NDF : 14069.2/14

799.098+/-0.240 χ^2/NDF : 6808.1/6

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -346.564+/-327.101 χ^2/NDF : 6.7/7

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

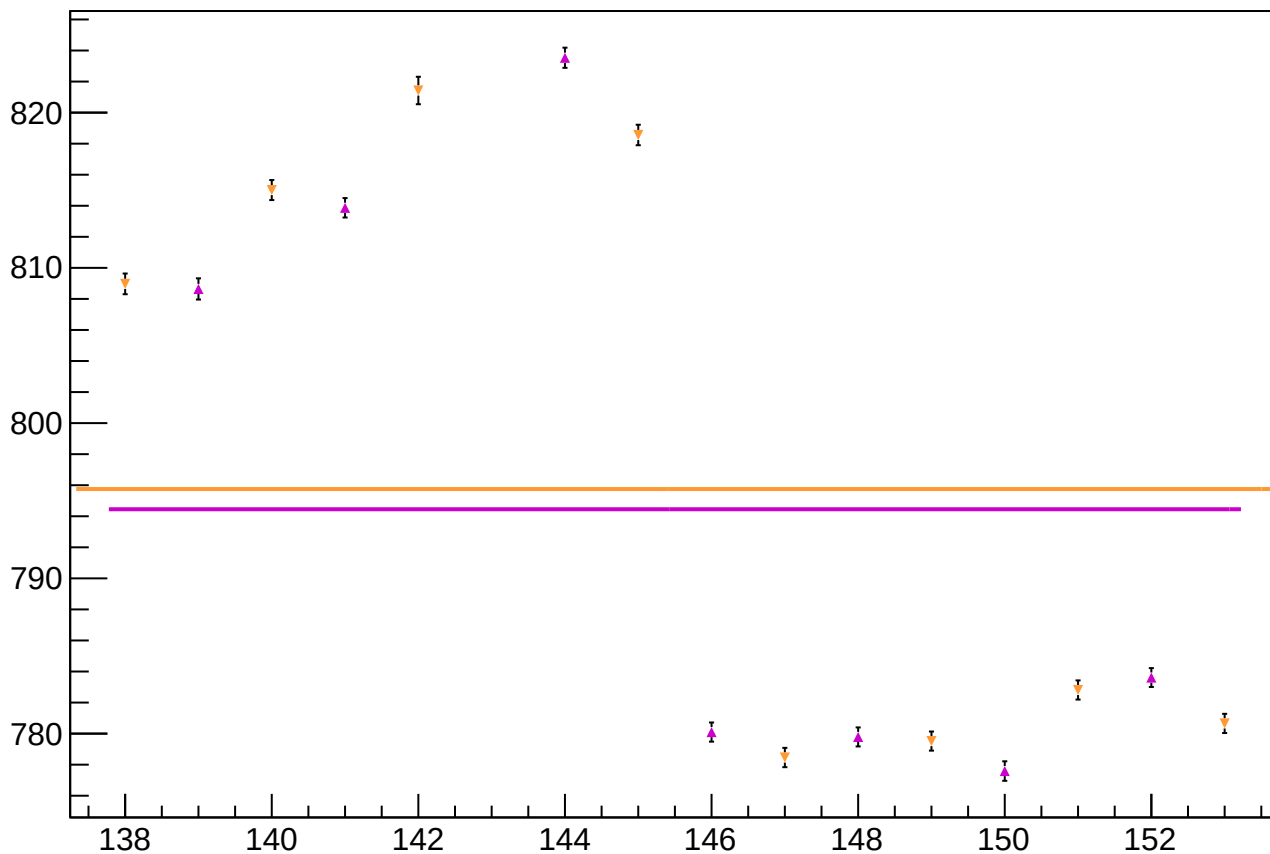
Left In: -546.911+/-337.083 χ^2/NDF : 11.0/6

-346.564+/-327.101 χ^2/NDF : 6.7/7

-443.727+/-234.745 χ^2/NDF : 17.9/14

-546.911+/-337.083 χ^2/NDF : 11.0/6

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 795.754+/-0.231 χ^2/NDF : 5825.4/7

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

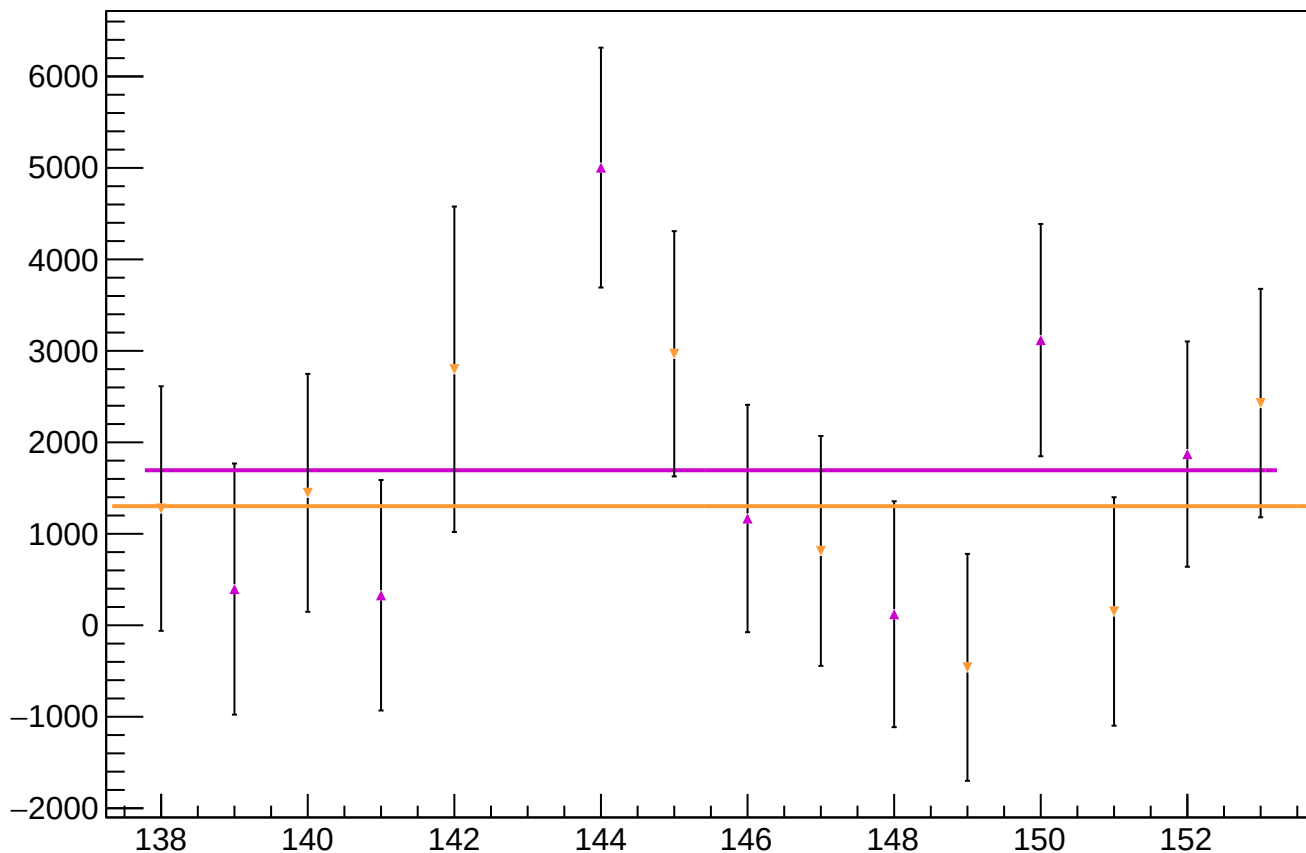
Left In: 794.452+/-0.238 χ^2/NDF : 5553.4/6

795.754+/-0.231 χ^2/NDF : 5825.4/7

795.123+/-0.166 χ^2/NDF : 11394.2/14

794.452+/-0.238 χ^2/NDF : 5553.4/6

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1302.330+/-466.771 χ^2/NDF : 6.1/7

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

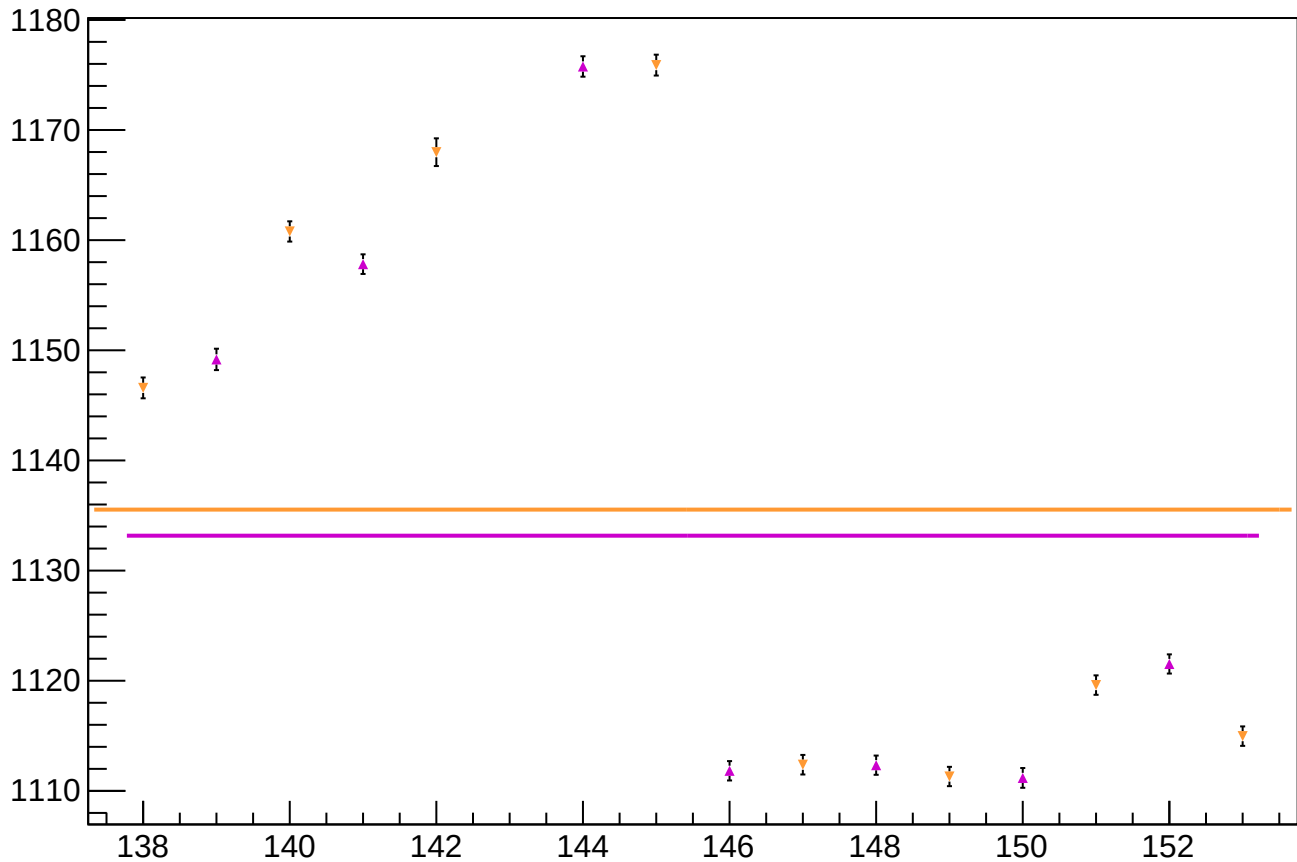
Left In: 1694.687+/-480.796 χ^2/NDF : 11.5/6

1302.330+/-466.771 χ^2/NDF : 6.1/7

1492.703+/-334.906 χ^2/NDF : 18.0/14

1694.687+/-480.796 χ^2/NDF : 11.5/6

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1135.537+/-0.330 χ^2/NDF : 5680.2/7

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

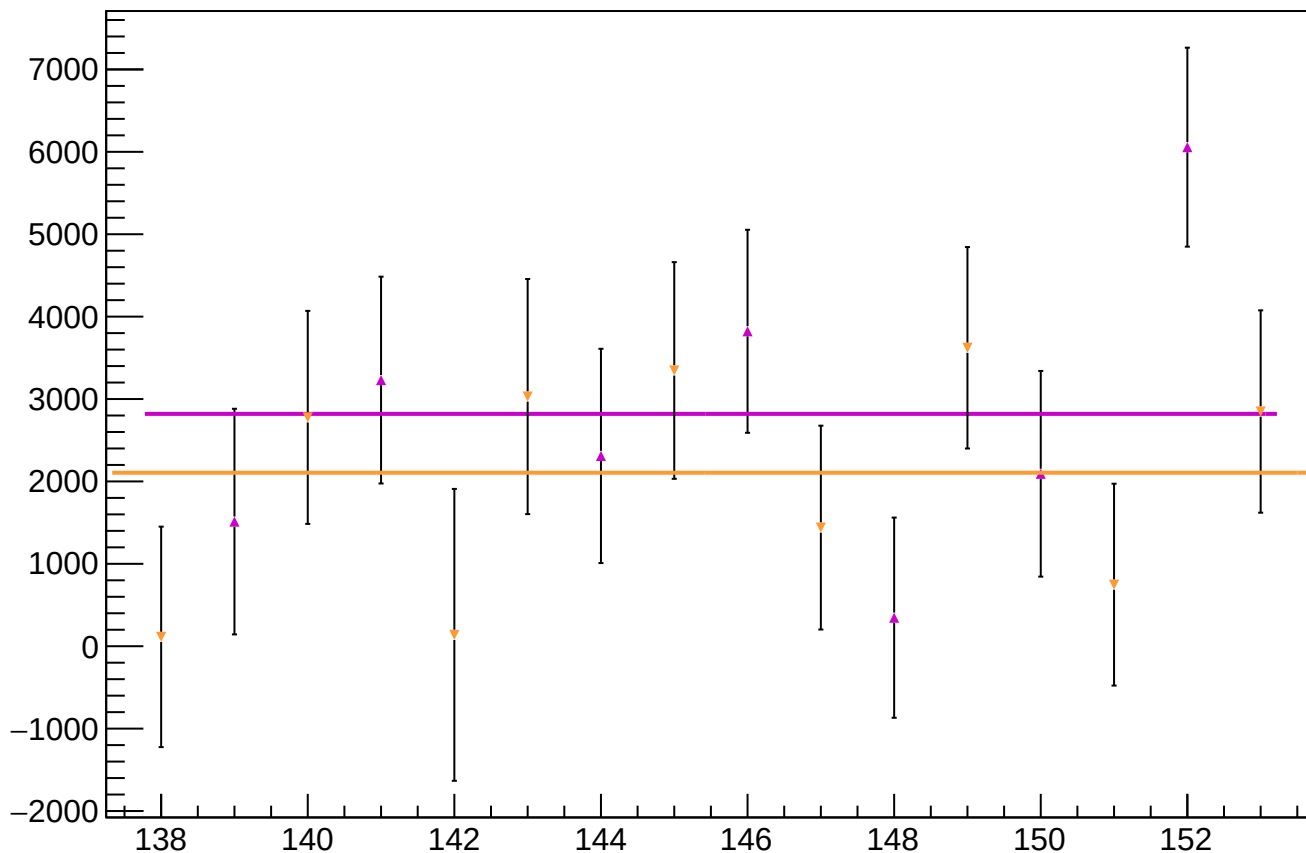
Left In: 1133.169+/-0.340 χ^2/NDF : 5087.4/6

1135.537+/-0.330 χ^2/NDF : 5680.2/7

1134.388+/-0.237 χ^2/NDF : 10792.6/14

1133.169+/-0.340 χ^2/NDF : 5087.4/6

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2105.683+/-438.596 χ^2/NDF : 8.5/8

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

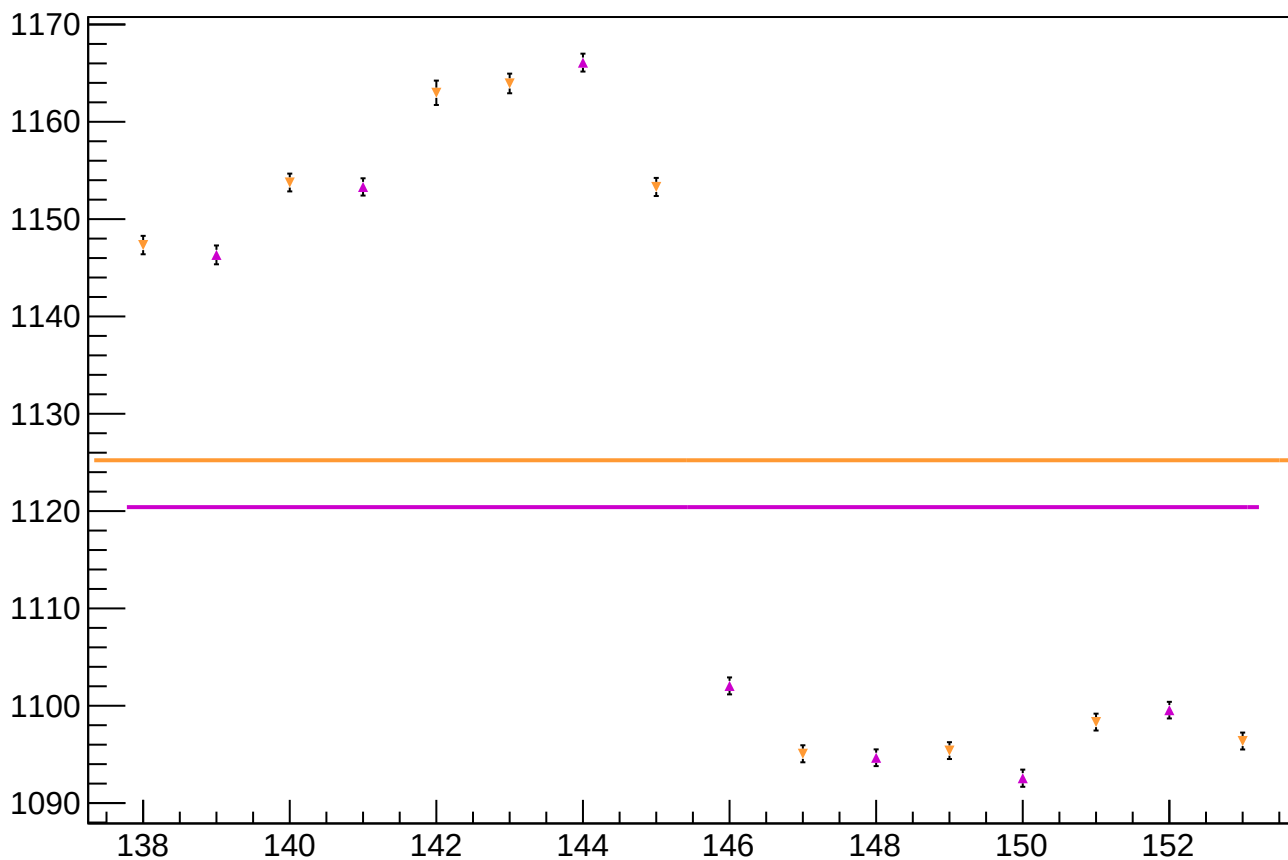
Left In: 2819.675+/-475.433 χ^2/NDF : 13.5/6

2105.683+/-438.596 χ^2/NDF : 8.5/8

2433.951+/-322.371 χ^2/NDF : 23.2/15

2819.675+/-475.433 χ^2/NDF : 13.5/6

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1125.223+/-0.310 χ^2/NDF : 9264.5/8

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

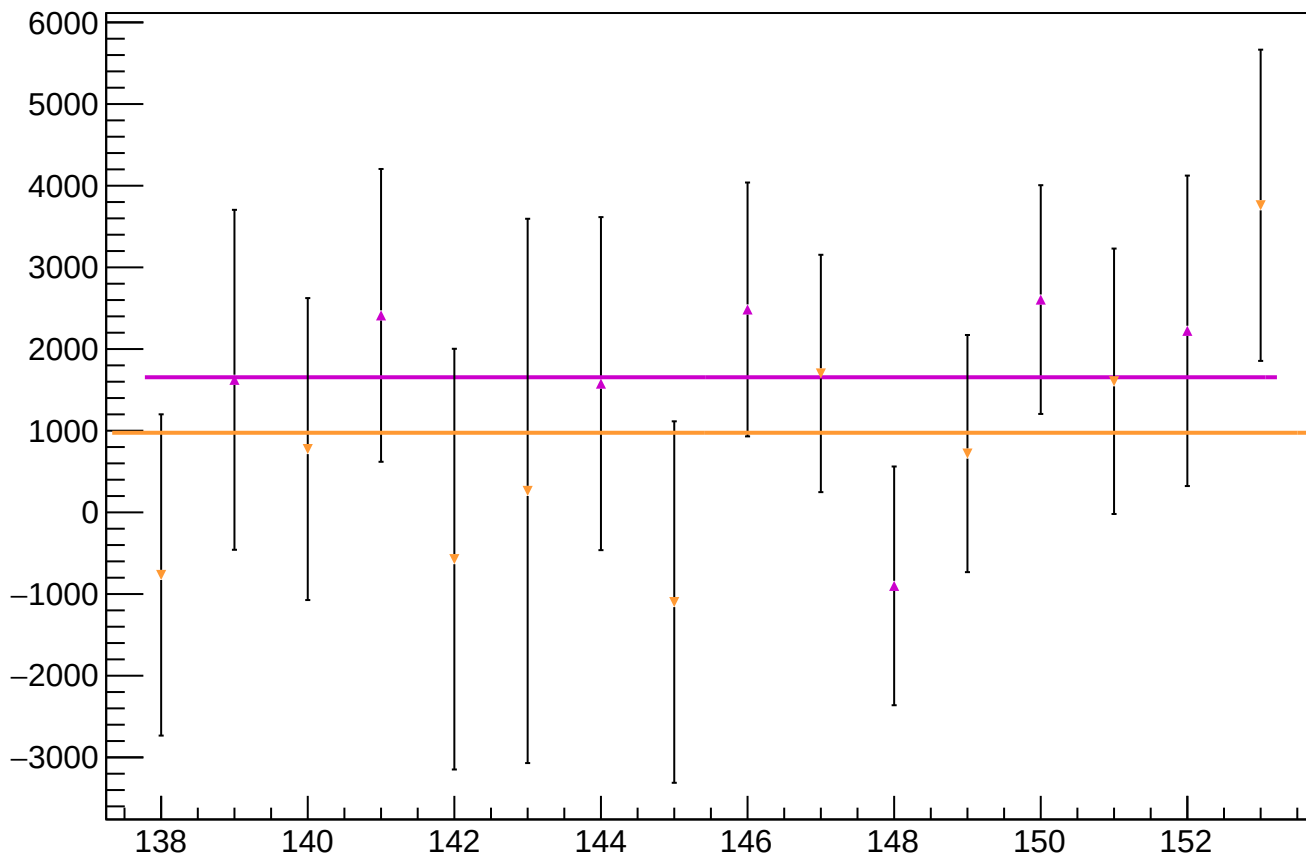
Left In: 1120.408+/-0.336 χ^2/NDF : 7495.1/6

1125.223+/-0.310 χ^2/NDF : 9264.5/8

1123.009+/-0.228 χ^2/NDF : 16870.5/15

1120.408+/-0.336 χ^2/NDF : 7495.1/6

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 974.823+/-620.415 χ^2/NDF : 4.6/8

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

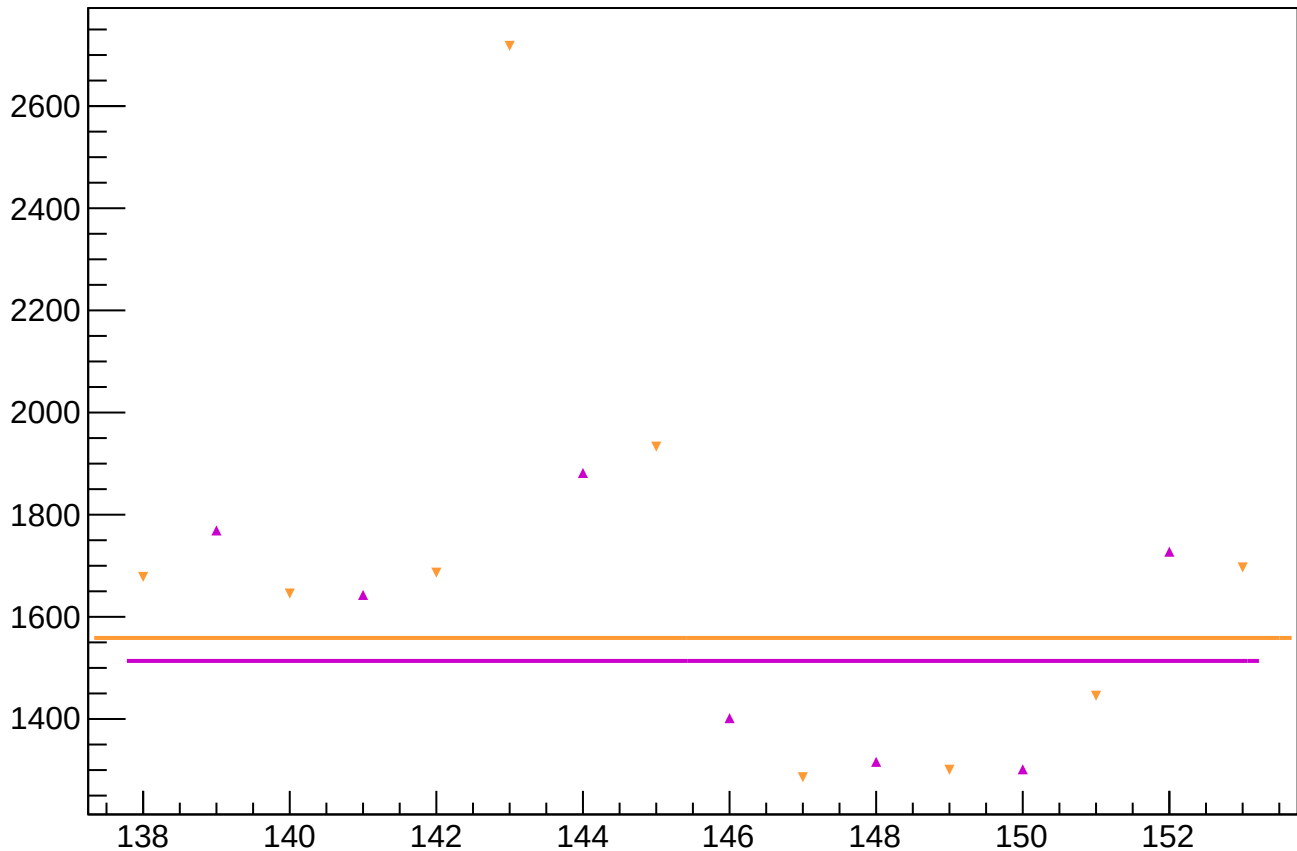
Left In: 1654.568+/-638.726 χ^2/NDF : 4.1/6

974.823+/-620.415 χ^2/NDF : 4.6/8

1304.812+/-445.032 χ^2/NDF : 9.3/15

1654.568+/-638.726 χ^2/NDF : 4.1/6

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1558.670+/-0.439 χ^2/NDF : 469909.0/8

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

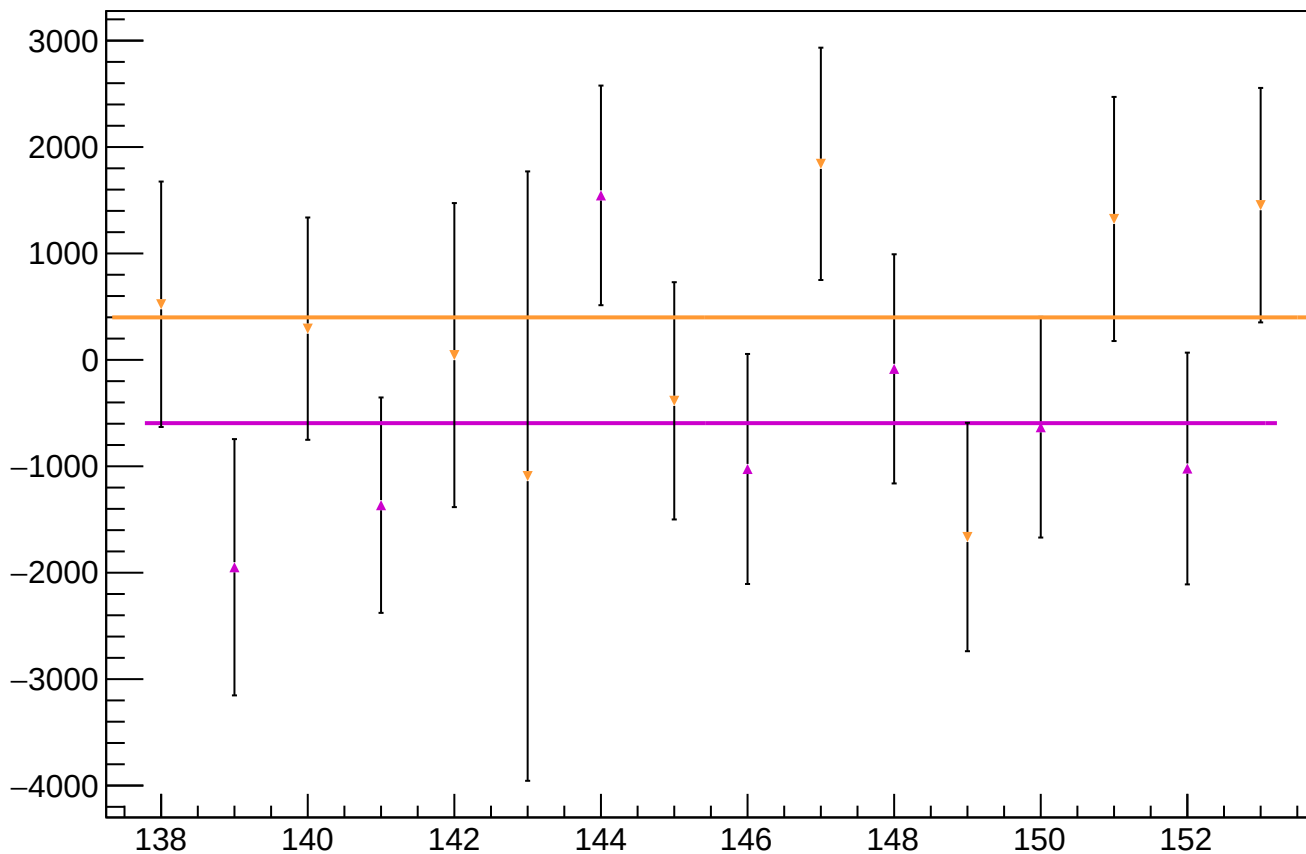
Left In: 1513.679+/-0.452 χ^2/NDF : 223809.6/6

1558.670+/-0.439 χ^2/NDF : 469909.0/8

1536.829+/-0.315 χ^2/NDF : 698824.5/15

1513.679+/-0.452 χ^2/NDF : 223809.6/6

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 399.323+/-396.012 χ^2/NDF : 7.9/8

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

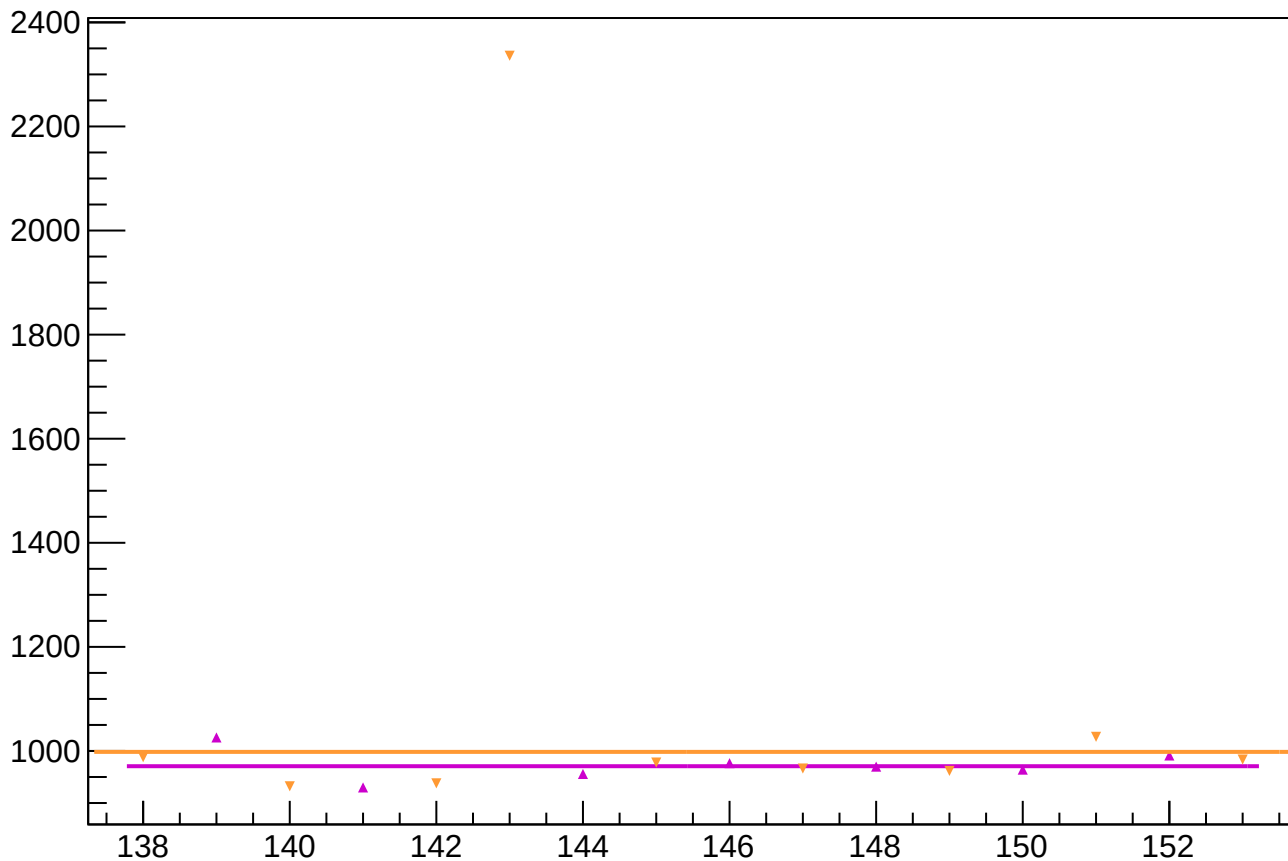
Left In: -594.508+/-404.980 χ^2/NDF : 6.7/6

399.323+/-396.012 χ^2/NDF : 7.9/8

-86.466+/-283.140 χ^2/NDF : 17.6/15

-594.508+/-404.980 χ^2/NDF : 6.7/6

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 998.246+/-0.280 χ^2/NDF : 454631.4/8

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

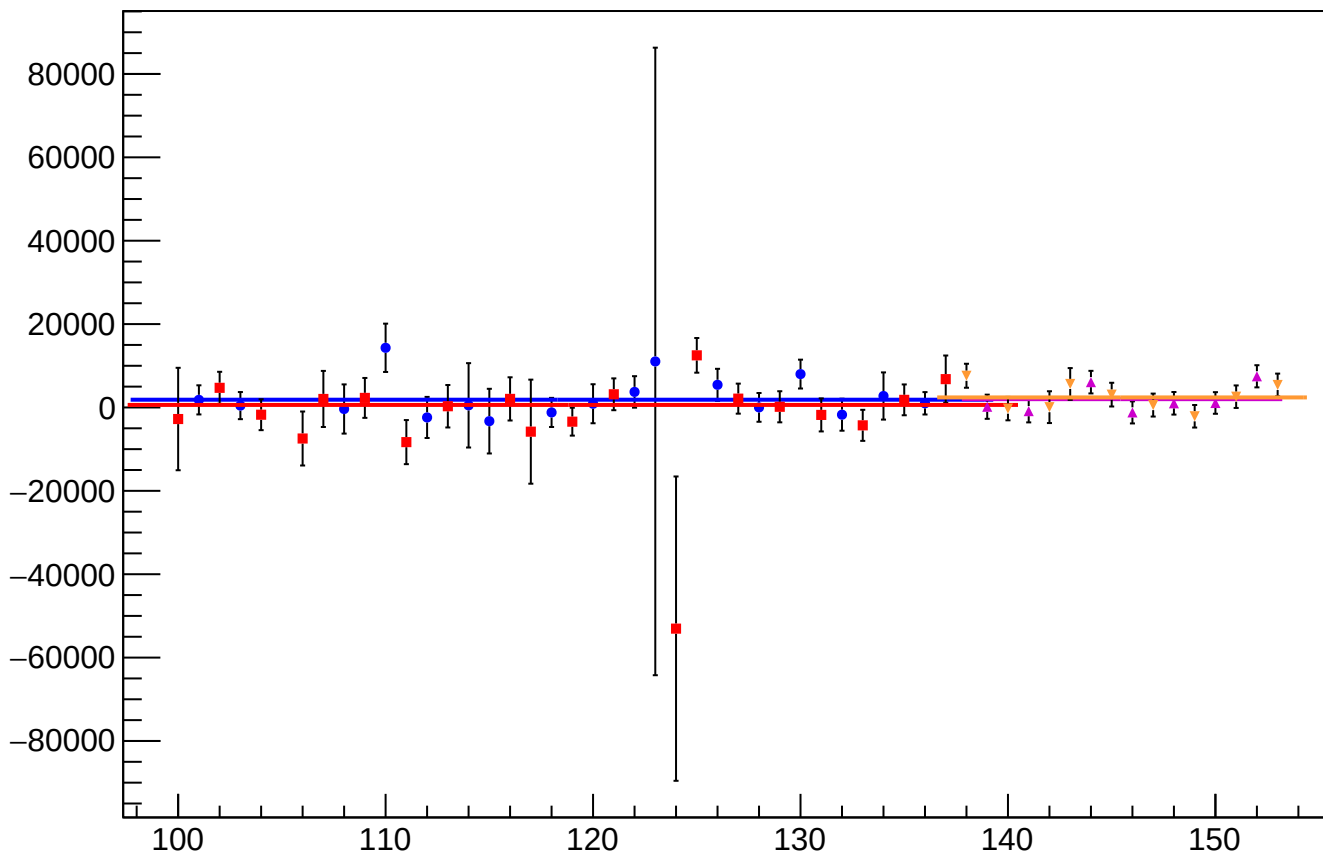
Left In: 970.714+/-0.286 χ^2/NDF : 8735.0/6

998.246+/-0.280 χ^2/NDF : 454631.4/8

984.788+/-0.200 χ^2/NDF : 468091.8/15

970.714+/-0.286 χ^2/NDF : 8735.0/6

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1859.767 $\pm$ 1013.438 χ^2 /NDF: 12.5/16

Left Out: 2406.976 $\pm$ 976.288 χ^2 /NDF: 9.8/8

Right Out: 611.041 $\pm$ 1020.345 χ^2 /NDF: 22.3/19

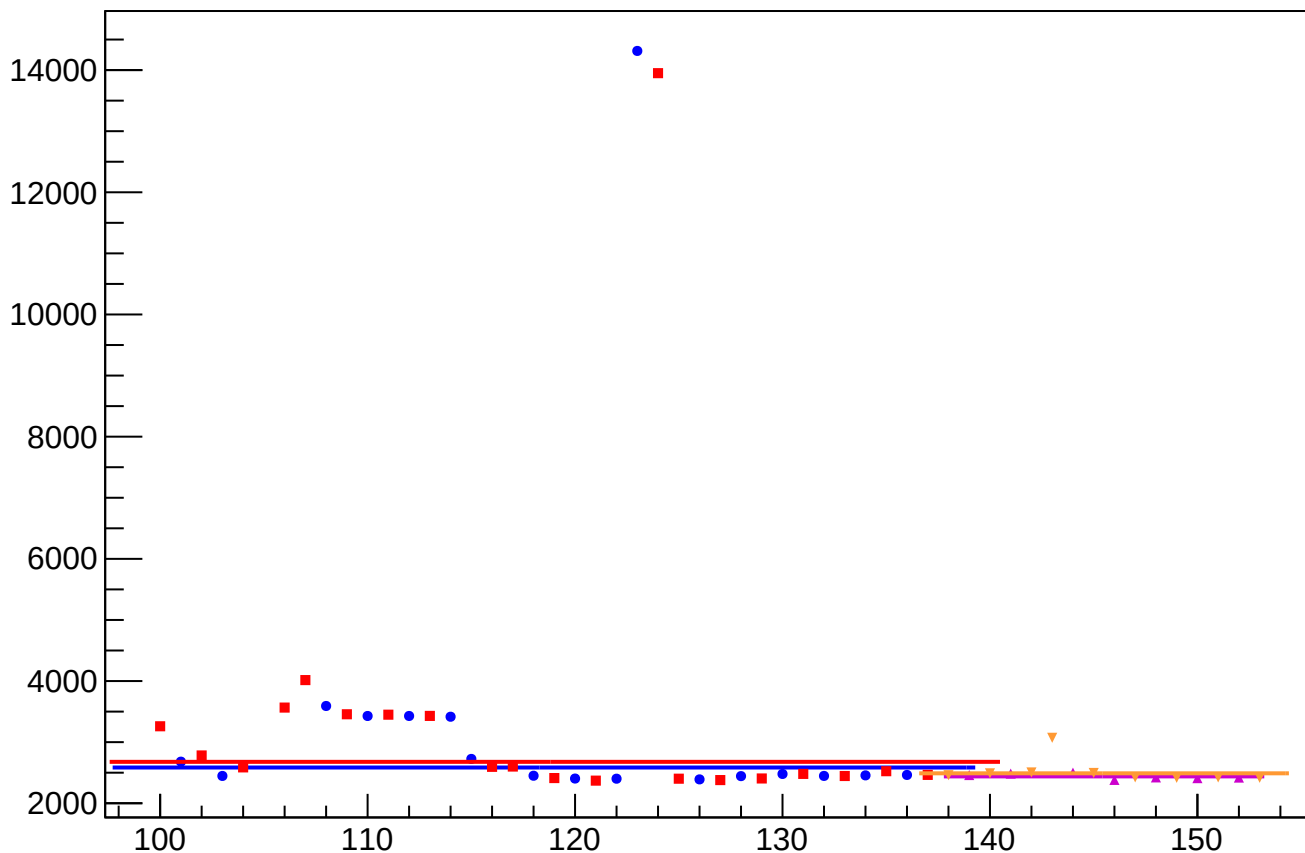
Left In: 1993.684 $\pm$ 1019.845 χ^2 /NDF: 9.8/6

2143.585 $\pm$ 703.106 χ^2 /NDF: 22.4/25

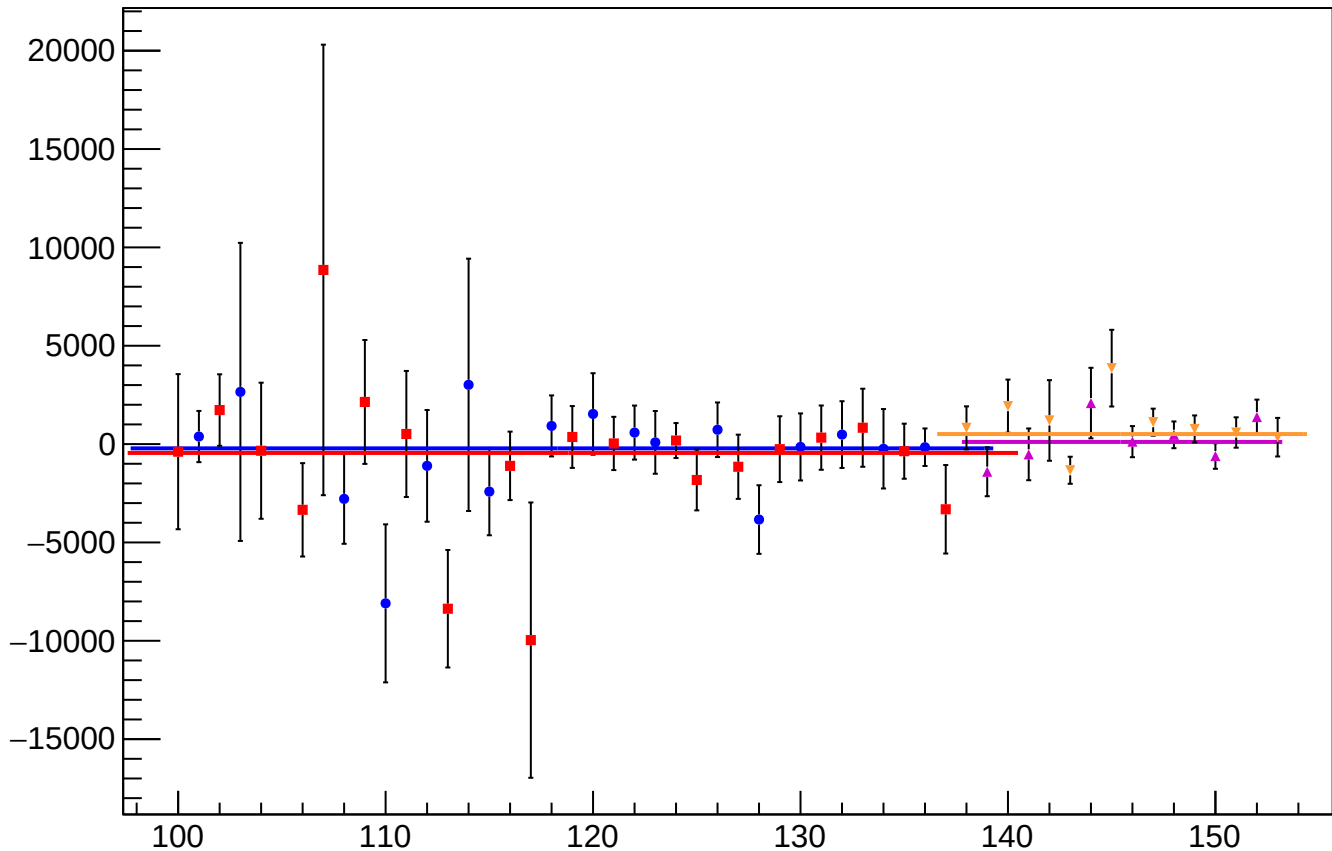
1733.891 $\pm$ 503.486 χ^2 /NDF: 56.2/52

1302.702 $\pm$ 721.316 χ^2 /NDF: 33.0/26

reg_asym_atl1_rms vs Slug, Sign Corrected



asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -217.017 $\pm$ 420.077 χ^2/NDF : 13.4/16

Left Out: 509.993 $\pm$ 302.049 χ^2/NDF : 12.4/8

Right Out: -449.702 $\pm$ 408.279 χ^2/NDF : 17.5/19

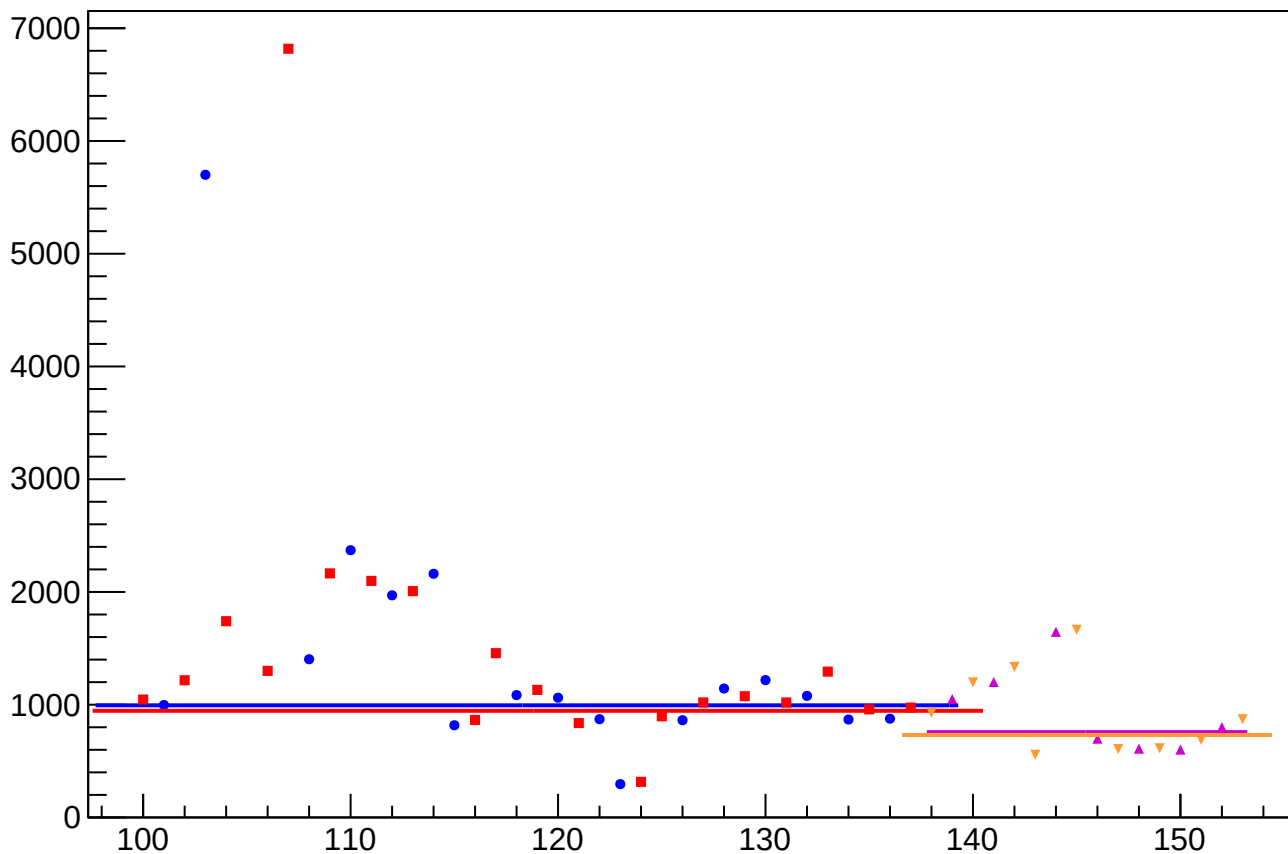
Left In: 108.936 $\pm$ 334.396 χ^2/NDF : 6.5/6

262.223 $\pm$ 245.235 χ^2/NDF : 27.7/25

83.516 $\pm$ 177.977 χ^2/NDF : 54.0/52

-115.353 $\pm$ 258.700 χ^2/NDF : 25.1/26

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 731.315 $\pm$ 0.214 χ^2 /NDF:1237206.7/8

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

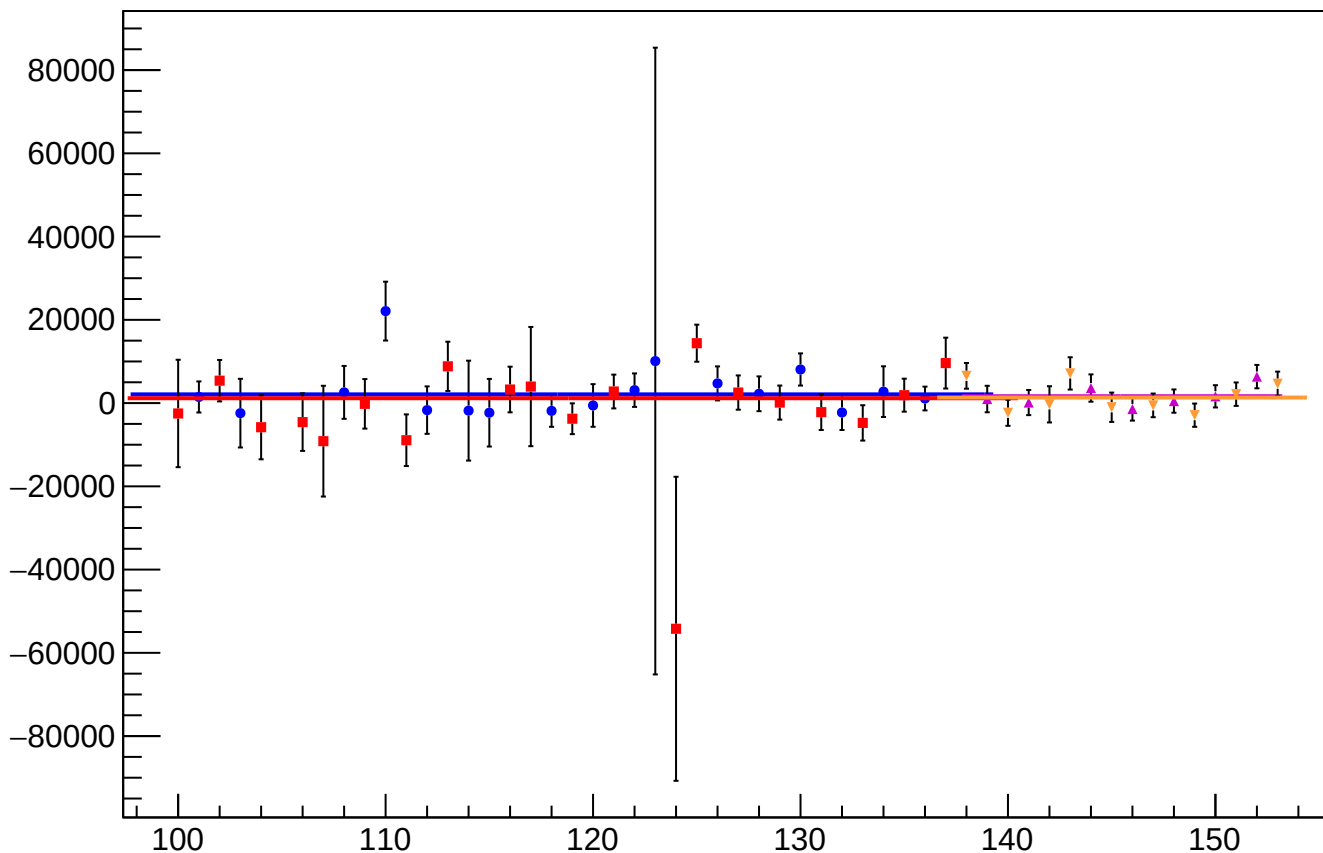
Left In: 757.078 $\pm$ 0.236 χ^2 /NDF:1053803.0/6

821.024 $\pm$ 0.173 χ^2 /NDF: 3659414.1/25

826.664 $\pm$ 0.126 χ^2 /NDF: 7648551.1/52

832.941 $\pm$ 0.183 χ^2 /NDF: 3986901.6/26

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1334.146+/-1052.300 χ^2/NDF : 11.2/8

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

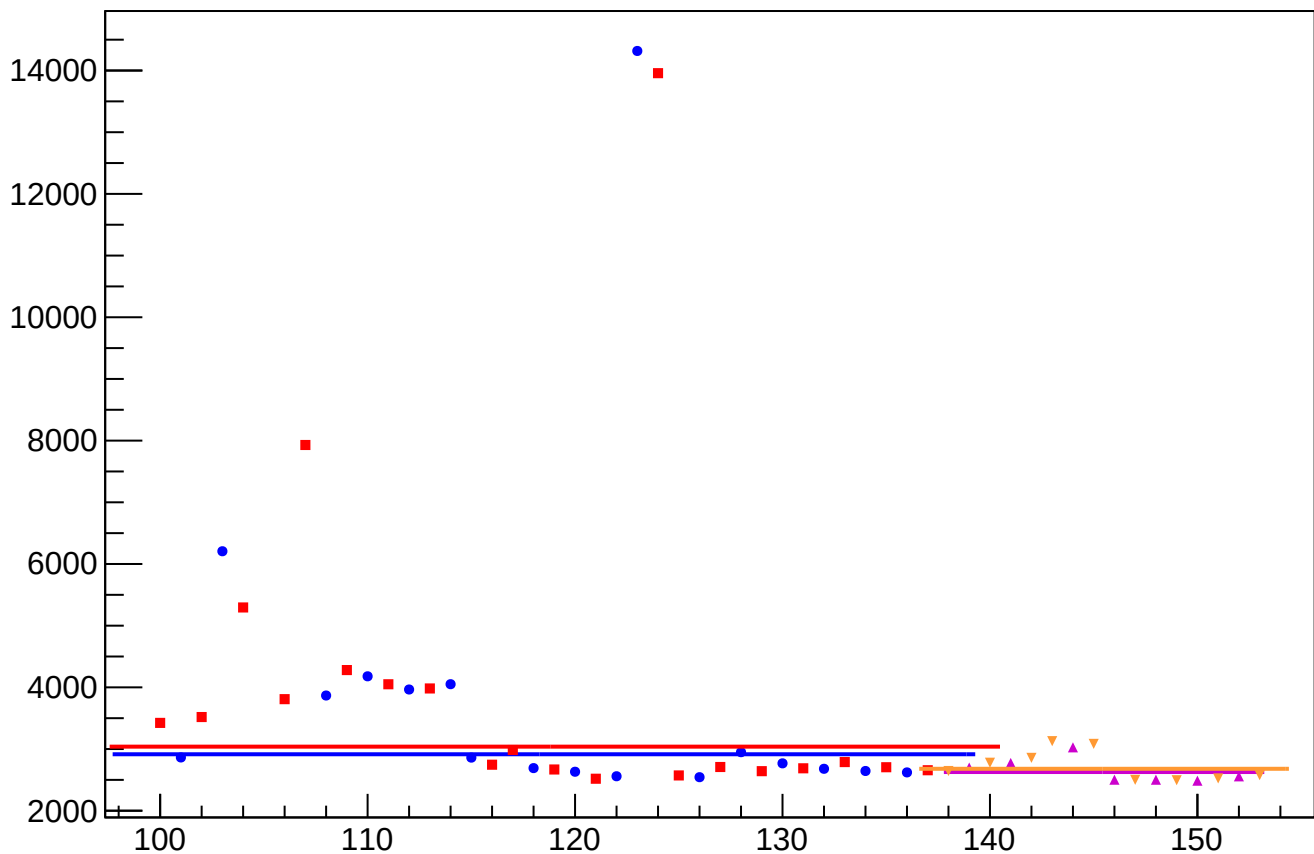
Left In: 1645.011+/-1100.915 χ^2/NDF : 4.9/6

1677.054+/-779.518 χ^2/NDF : 26.0/25

1554.337+/-560.300 χ^2/NDF : 56.2/52

1423.171+/-805.907 χ^2/NDF : 30.1/26

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2915.201 ± 0.821 $\chi^2/\text{NDF}: 639136.4/16$

Left Out: 2679.687 ± 0.744 $\chi^2/\text{NDF}: 83916.4/8$

Right Out: 3038.763 ± 0.836 $\chi^2/\text{NDF}: 1011412.5/19$

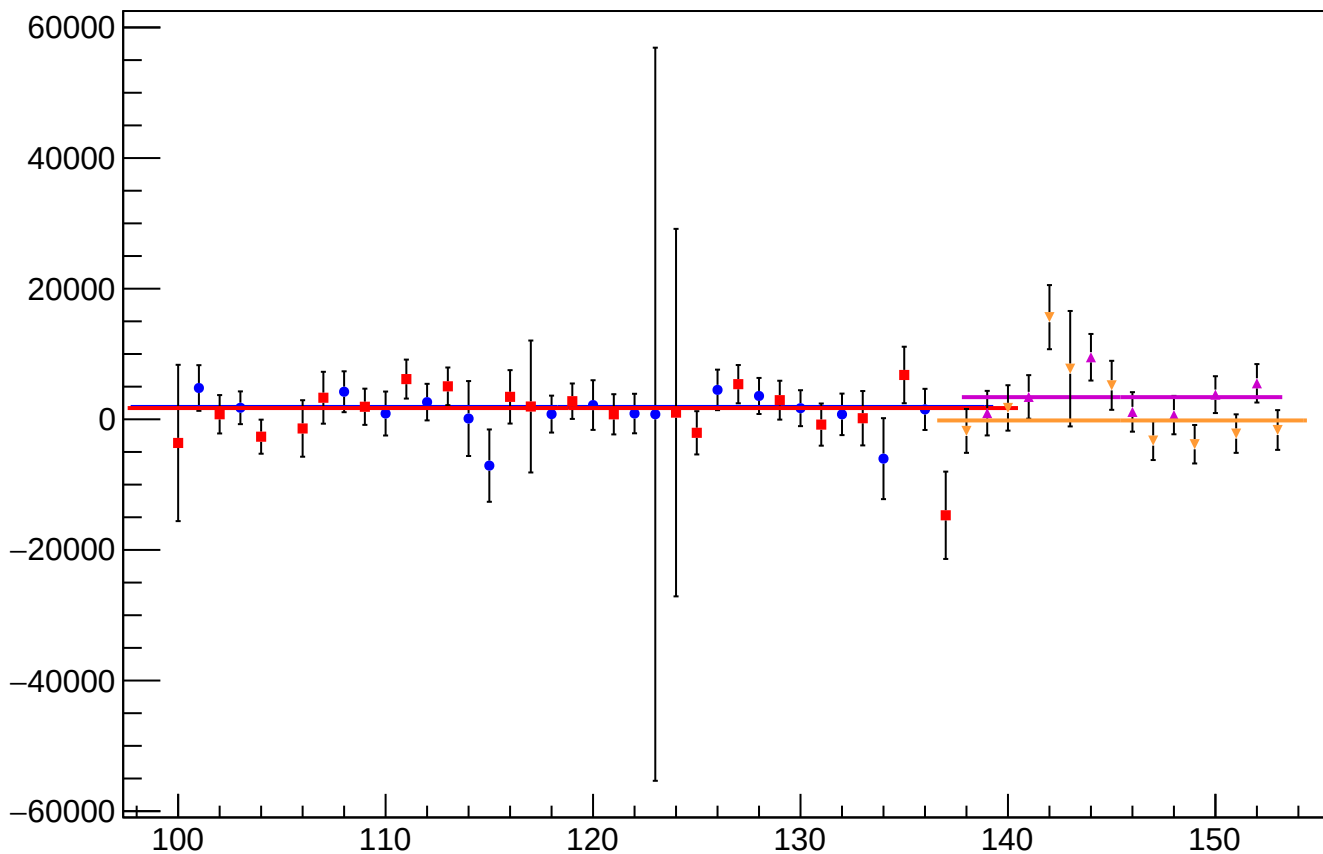
Left In: 2627.308 ± 0.778 $\chi^2/\text{NDF}: 50294.9/6$

2785.963 ± 0.551 $\chi^2/\text{NDF}: 768259.5/25$

2801.581 ± 0.396 $\chi^2/\text{NDF}: 1961287.1/52$

2818.275 ± 0.570 $\chi^2/\text{NDF}: 1191366.5/26$

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -175.599 $\pm$ 1156.653 χ^2 /NDF:17.1/8

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

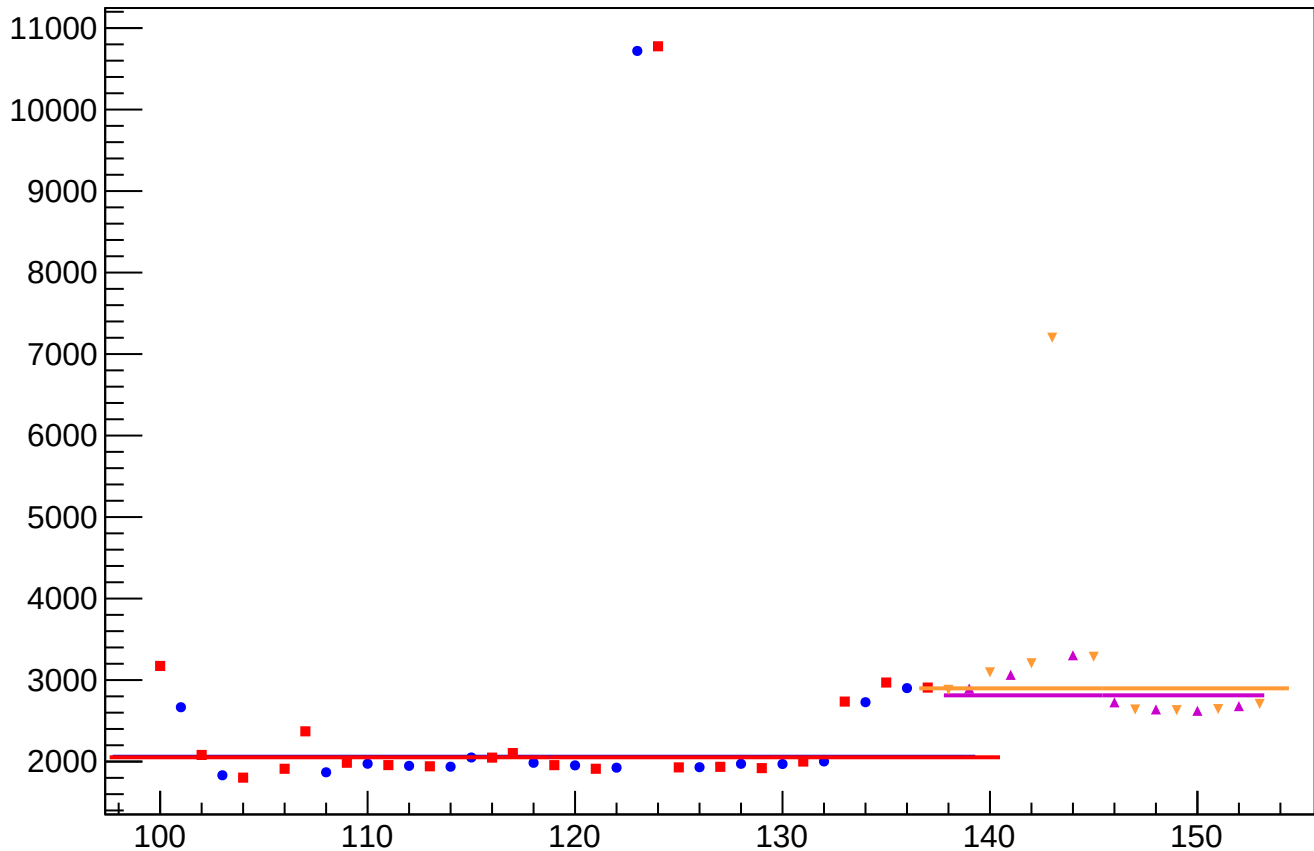
Left In: 3393.465 $\pm$ 1178.008 χ^2 /NDF:5.4/6

1208.674 $\pm$ 664.271 χ^2 /NDF: 26.5/25

1730.456 $\pm$ 466.327 χ^2 /NDF: 53.5/52

2237.468 $\pm$ 654.802 χ^2 /NDF: 25.8/26

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2058.963 $\pm$ 0.574 $\chi^2/\text{NDF}: 318561.5/16$

Left Out: 2898.466 $\pm$ 0.818 $\chi^2/\text{NDF}: 563999.1/8$

Right Out: 2052.576 $\pm$ 0.557 $\chi^2/\text{NDF}: 443374.3/19$

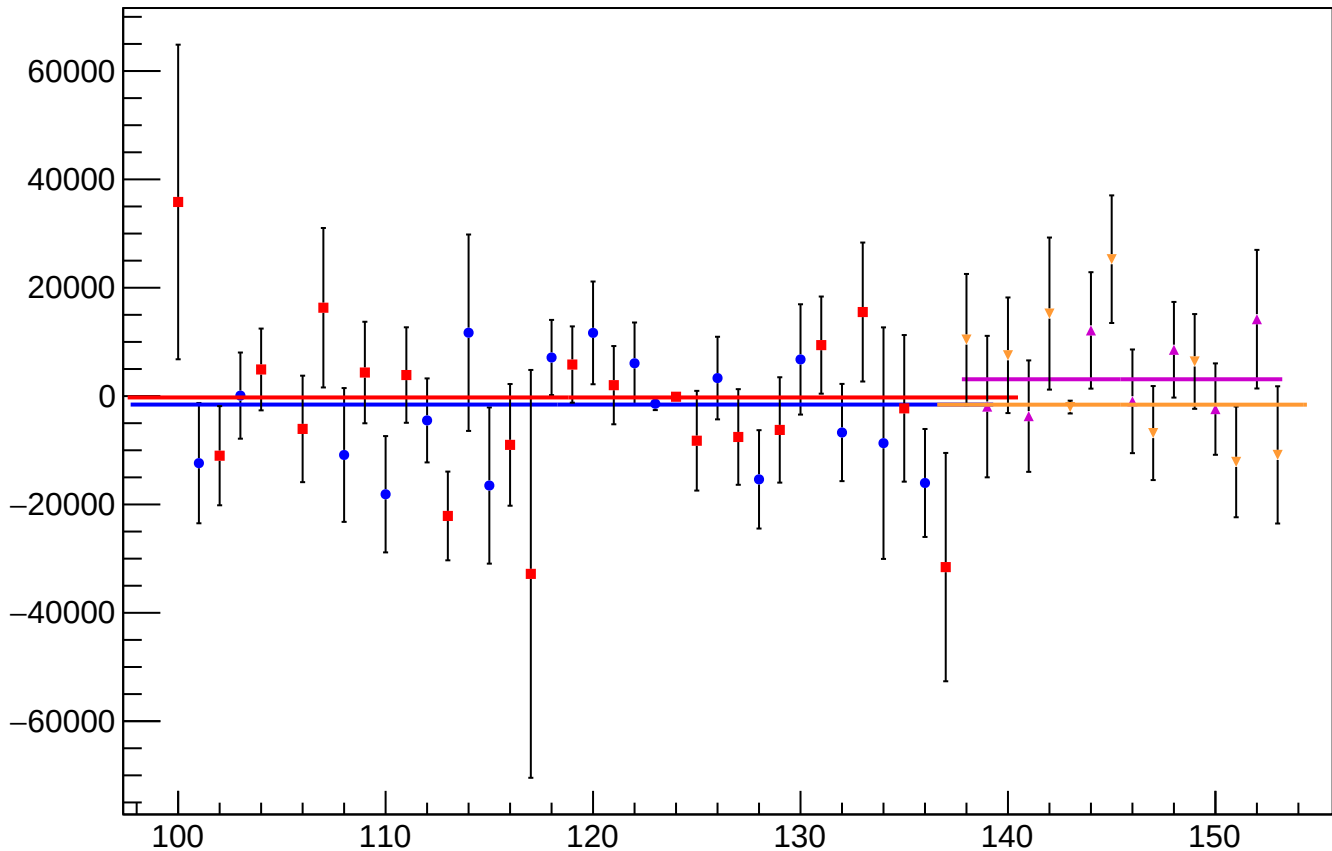
Left In: 2812.488 $\pm$ 0.833 $\chi^2/\text{NDF}: 72199.4/6$

2335.853 $\pm$ 0.470 $\chi^2/\text{NDF}: 1588643.8/25$

2311.262 $\pm$ 0.330 $\chi^2/\text{NDF}: 2684737.6/52$

2287.368 $\pm$ 0.463 $\chi^2/\text{NDF}: 1090690.0/26$

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1582.157 ± 1128.645 $\chi^2/\text{NDF}: 11.3/8$

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

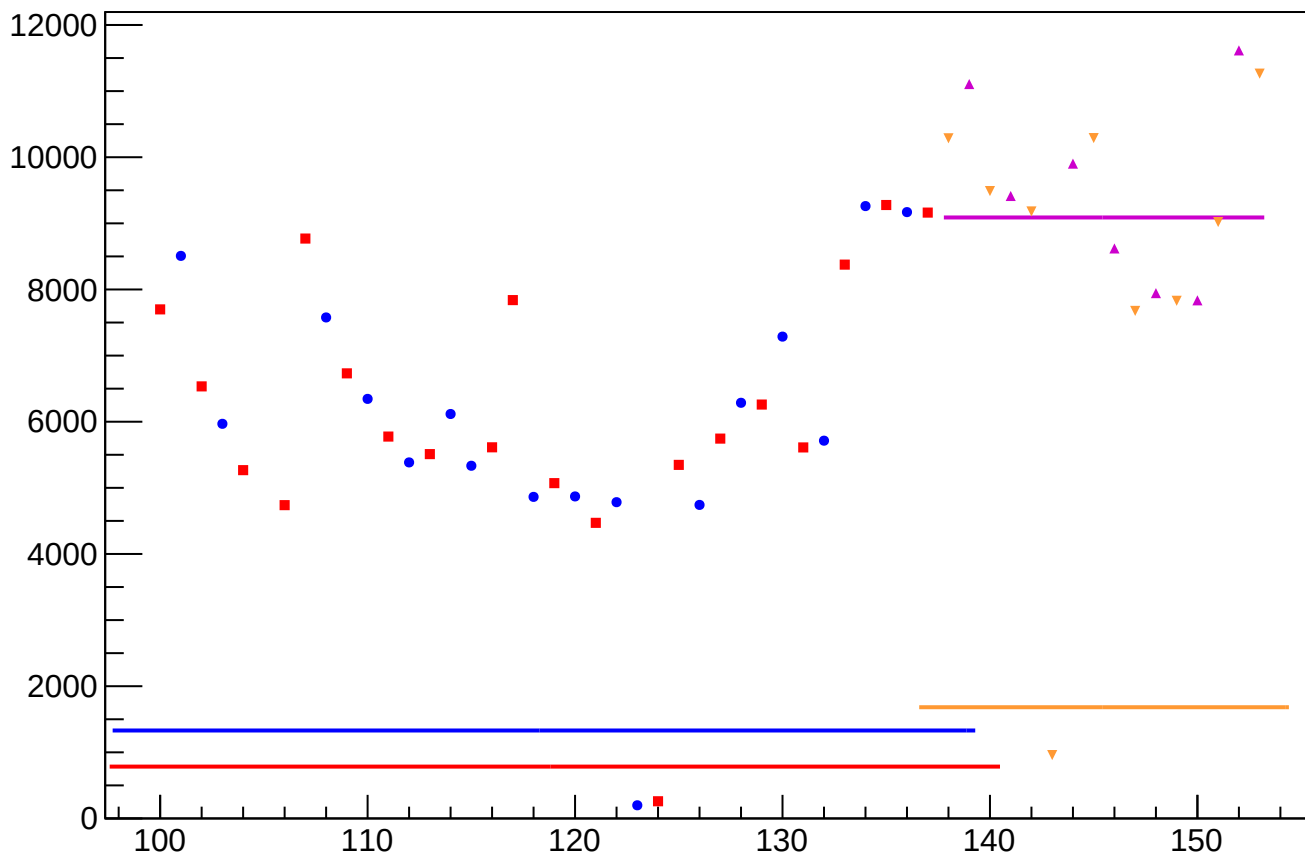
Left In: 3107.355 ± 3837.821 $\chi^2/\text{NDF}: 3.0/6$

-1572.040 ± 770.307 $\chi^2/\text{NDF}: 27.5/25$

-771.684 ± 511.432 $\chi^2/\text{NDF}: 54.7/52$

-140.771 ± 683.923 $\chi^2/\text{NDF}: 25.3/26$

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1682.102+/-0.798 χ^2/NDF : 8585702.4/8

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

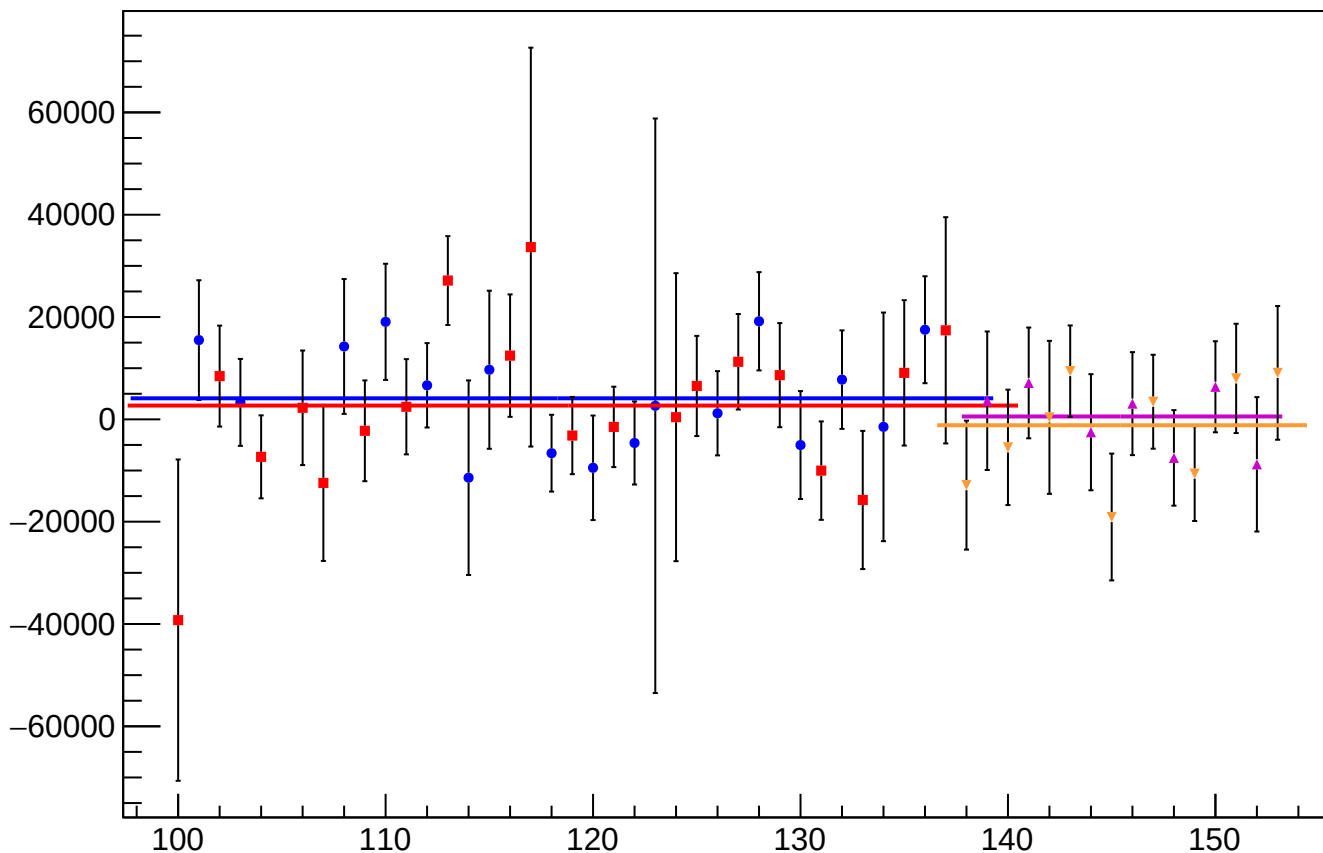
Left In: 9088.956+/-2.714 χ^2/NDF : 221804.1/6

1494.148+/-0.545 χ^2/NDF : 18736362.4/25

1244.660+/-0.362 χ^2/NDF : 39911145.3/5

1047.990+/-0.484 χ^2/NDF : 20799602.7/26

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -1149.814 ± 3631.194 χ^2/NDF : 7.2/8

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

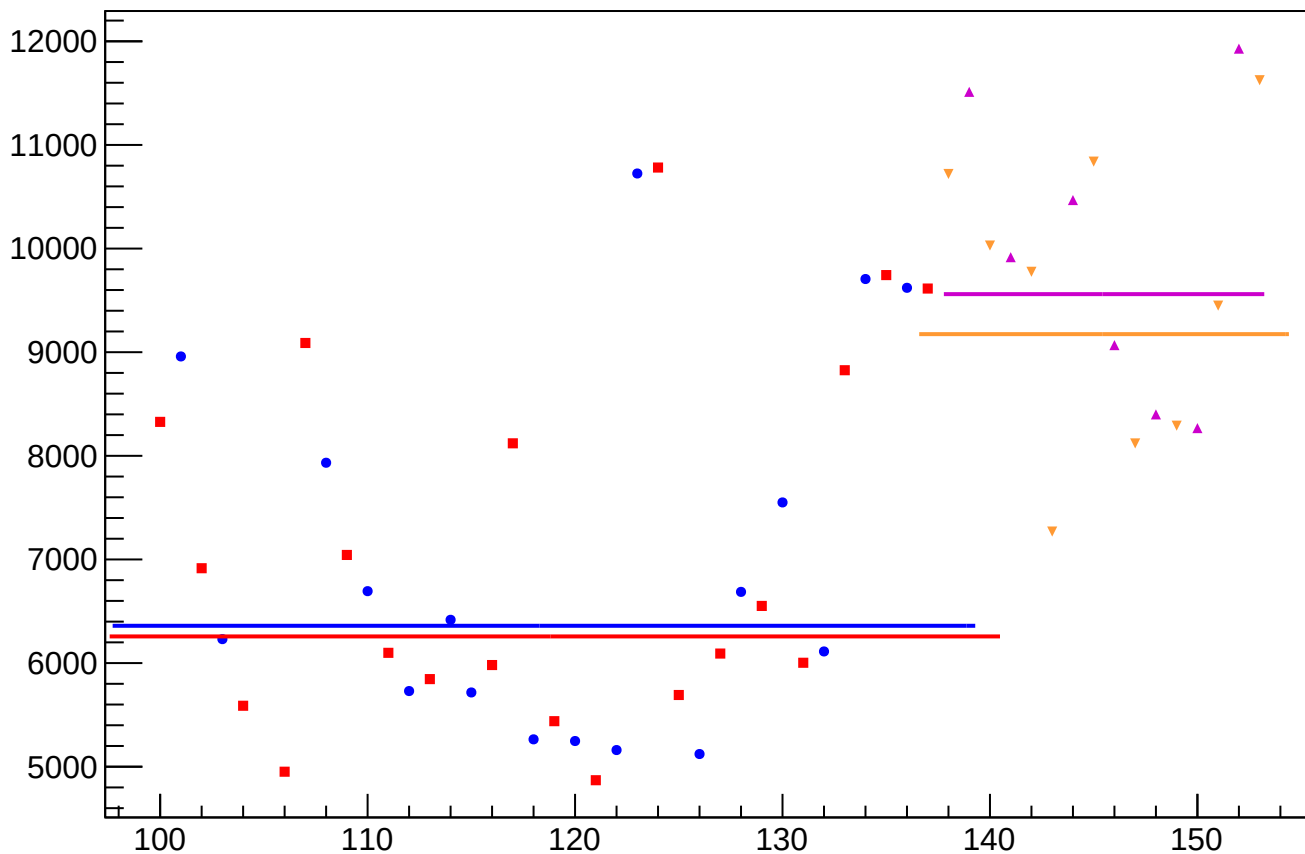
Left In: 561.771 ± 4031.986 χ^2/NDF : 2.2/6

2388.218 ± 2078.283 χ^2/NDF : 22.9/25

2260.255 ± 1467.455 χ^2/NDF : 45.9/52

2133.026 ± 2072.318 χ^2/NDF : 23.0/26

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 9174.266+/-2.568 χ^2/NDF : 288293.9/8

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

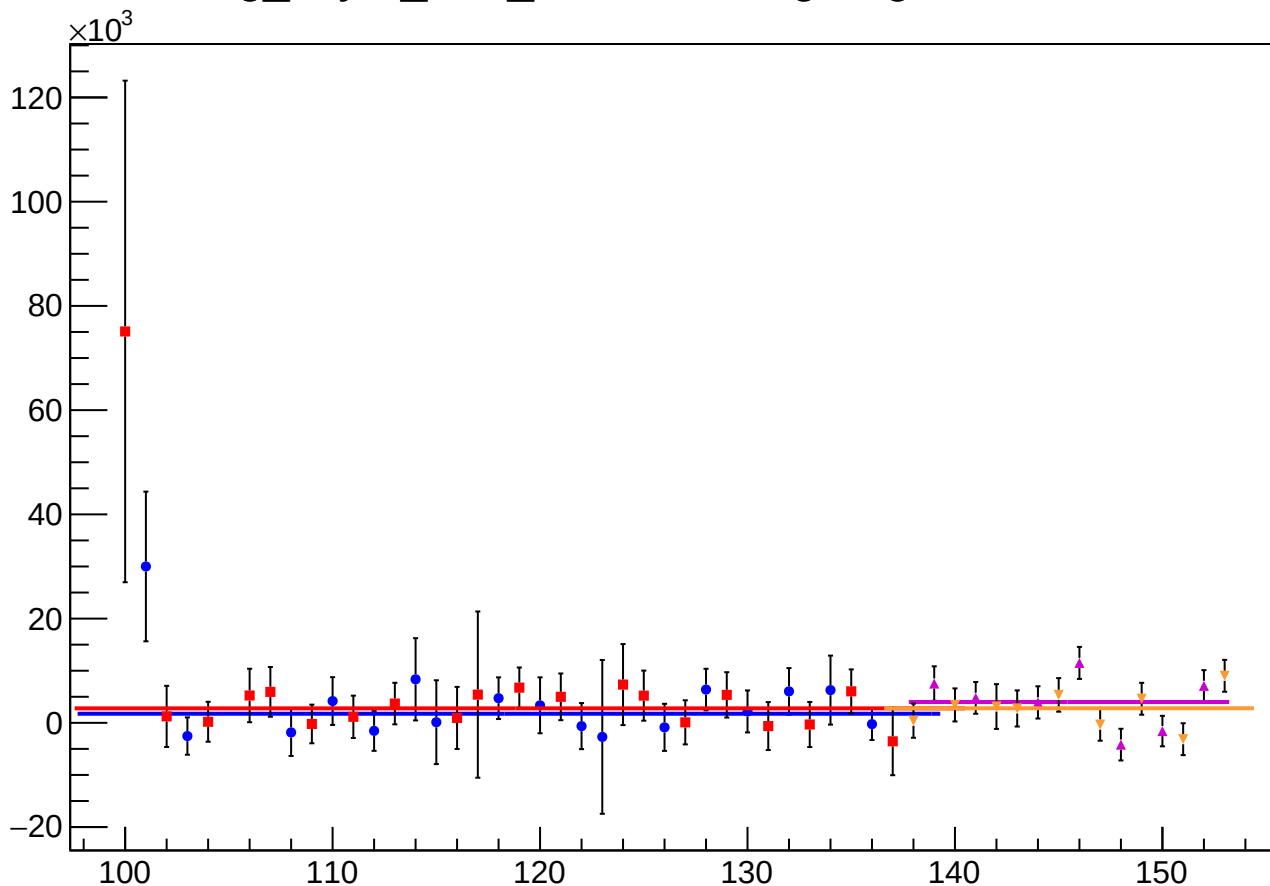
Left In: 9560.272+/-2.851 χ^2/NDF : 199512.7/6

7281.828+/-1.470 χ^2/NDF : 1676611.5/25

7205.553+/-1.038 χ^2/NDF : 3406717.3/52

7129.719+/-1.465 χ^2/NDF : 1724733.5/26

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2797.277+/-1083.876 χ^2/NDF : 10.5/8

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

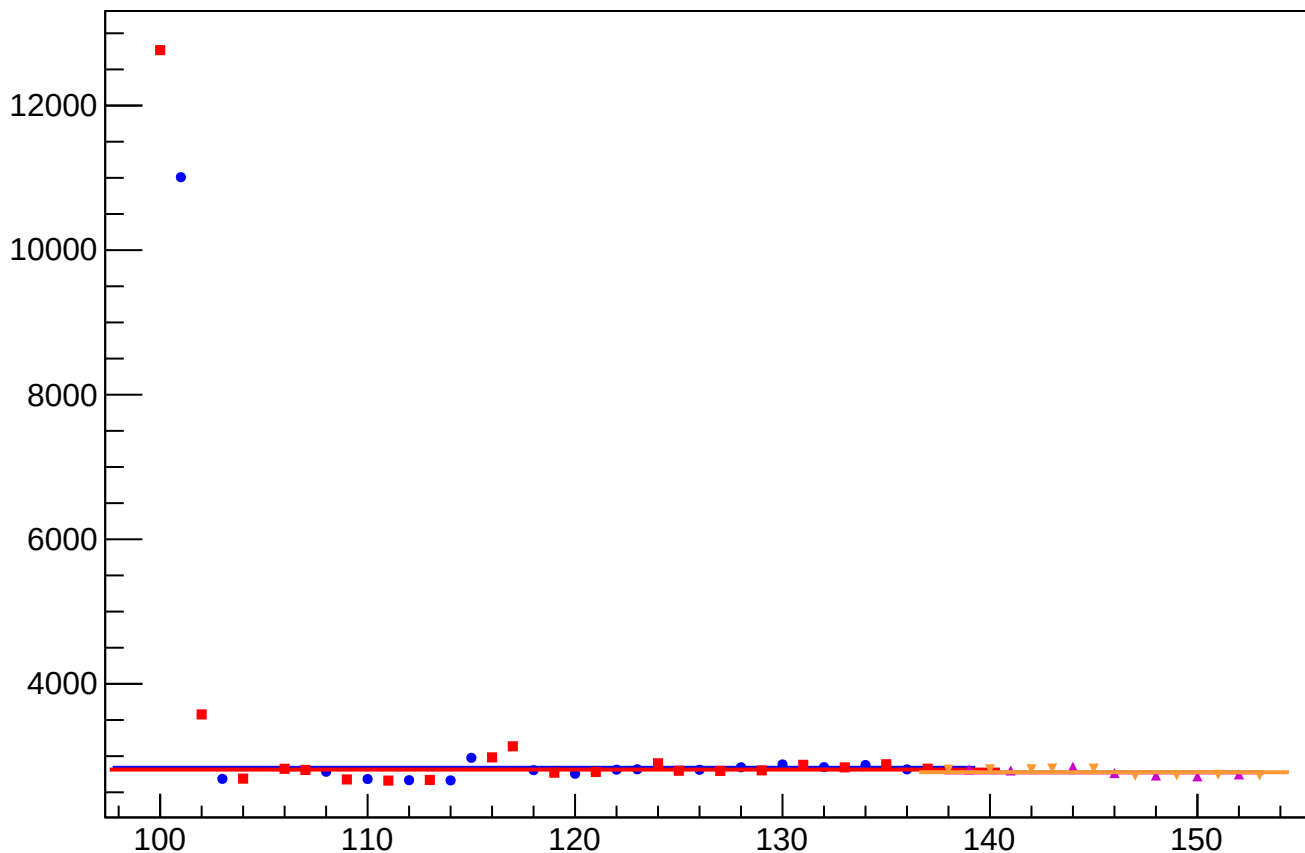
Left In: 3999.366+/-1159.102 χ^2/NDF : 19.1/6

2292.845+/-781.723 χ^2/NDF : 23.2/25

2812.789+/-554.280 χ^2/NDF : 53.5/52

3338.483+/-786.035 χ^2/NDF : 29.4/26

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2777.722+/-0.766 χ^2/NDF : 3297.4/8

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

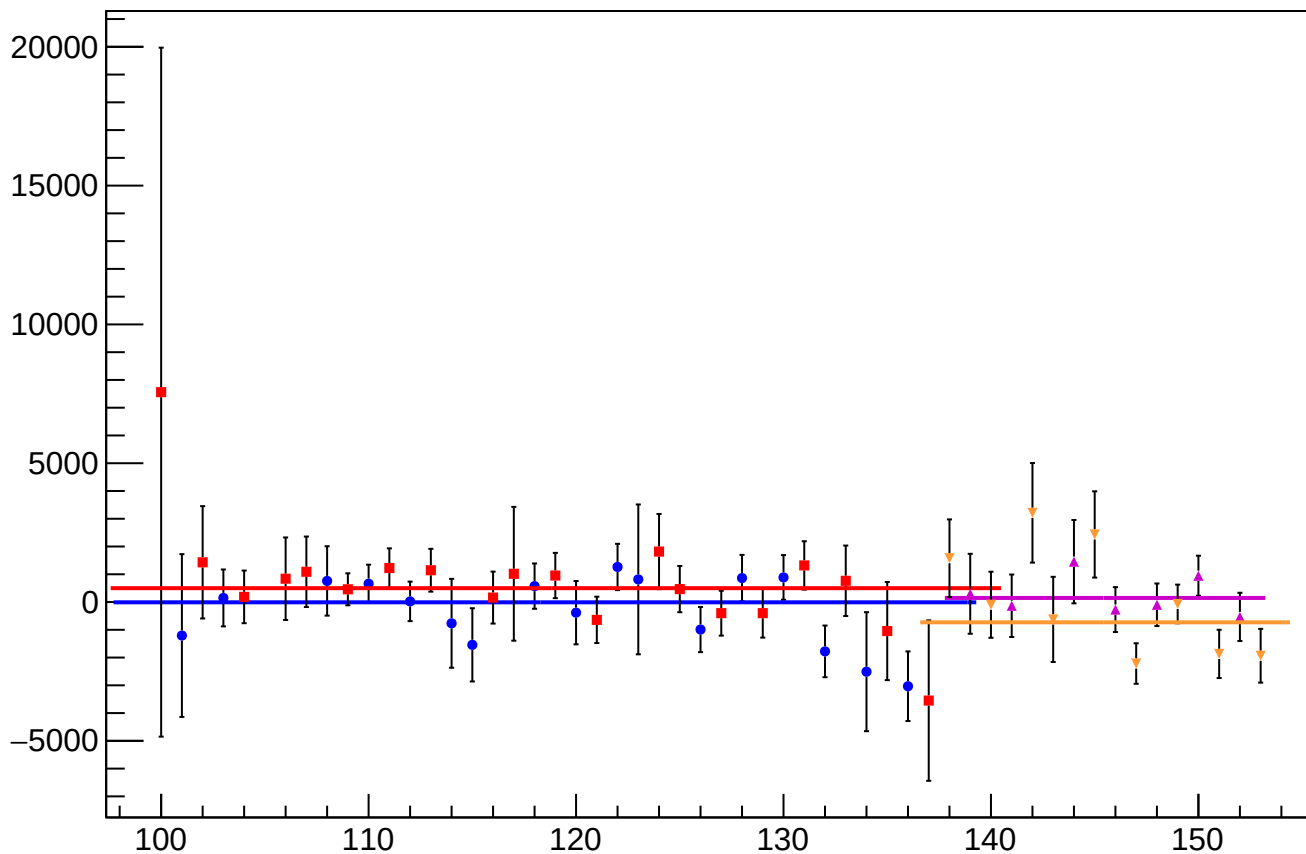
Left In: 2775.132+/-0.820 χ^2/NDF : 3022.6/6

2806.999+/-0.553 χ^2/NDF : 666547.8/25

2801.614+/-0.392 χ^2/NDF : 804864.8/52

2796.170+/-0.556 χ^2/NDF : 138126.2/26

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -730.635 ± 339.155 χ^2/NDF : 20.3/8

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

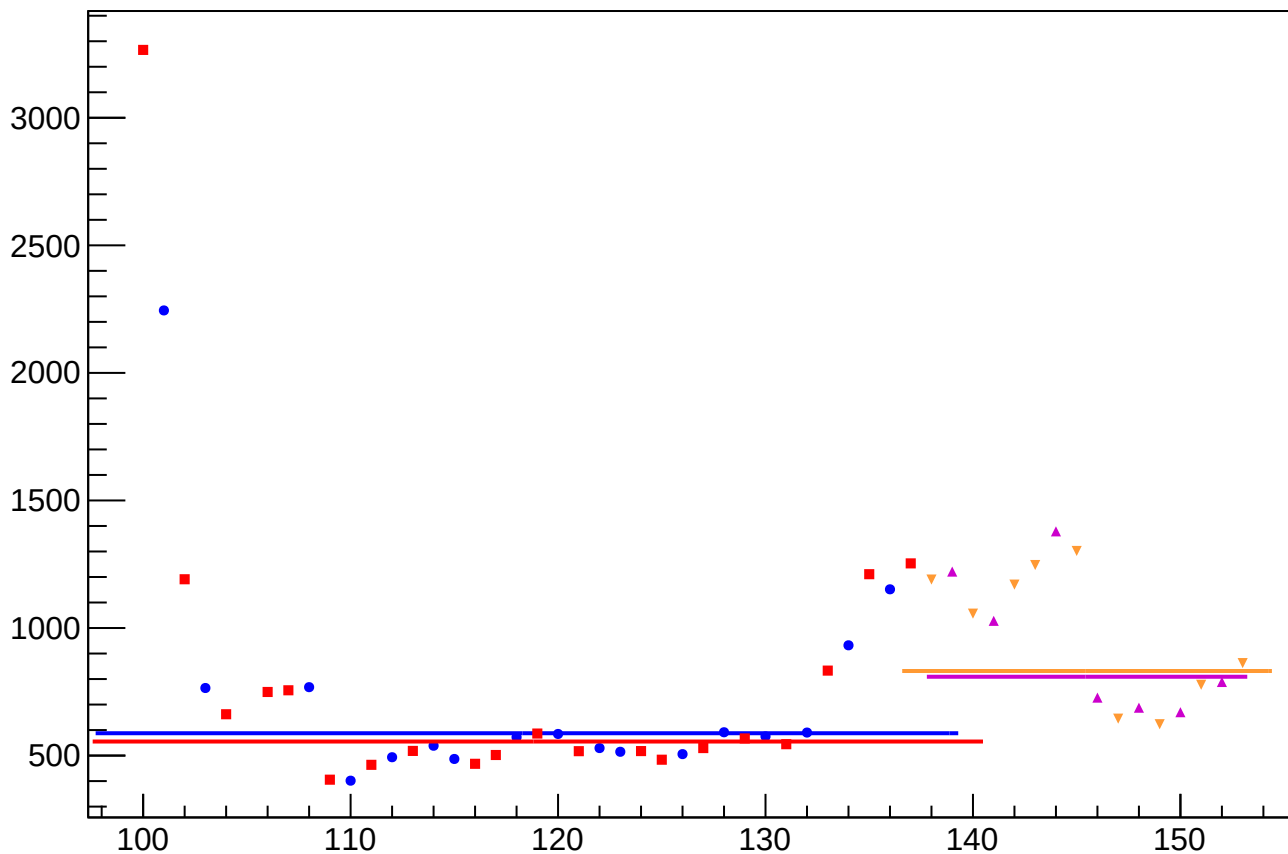
Left In: 147.407 ± 349.458 χ^2/NDF : 3.0/6

-252.589 ± 196.819 χ^2/NDF : 44.0/25

90.859 ± 135.383 χ^2/NDF : 65.5/52

399.289 ± 186.516 χ^2/NDF : 15.7/26

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 831.530+/-0.240 χ^2/NDF : 924253.1/8

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

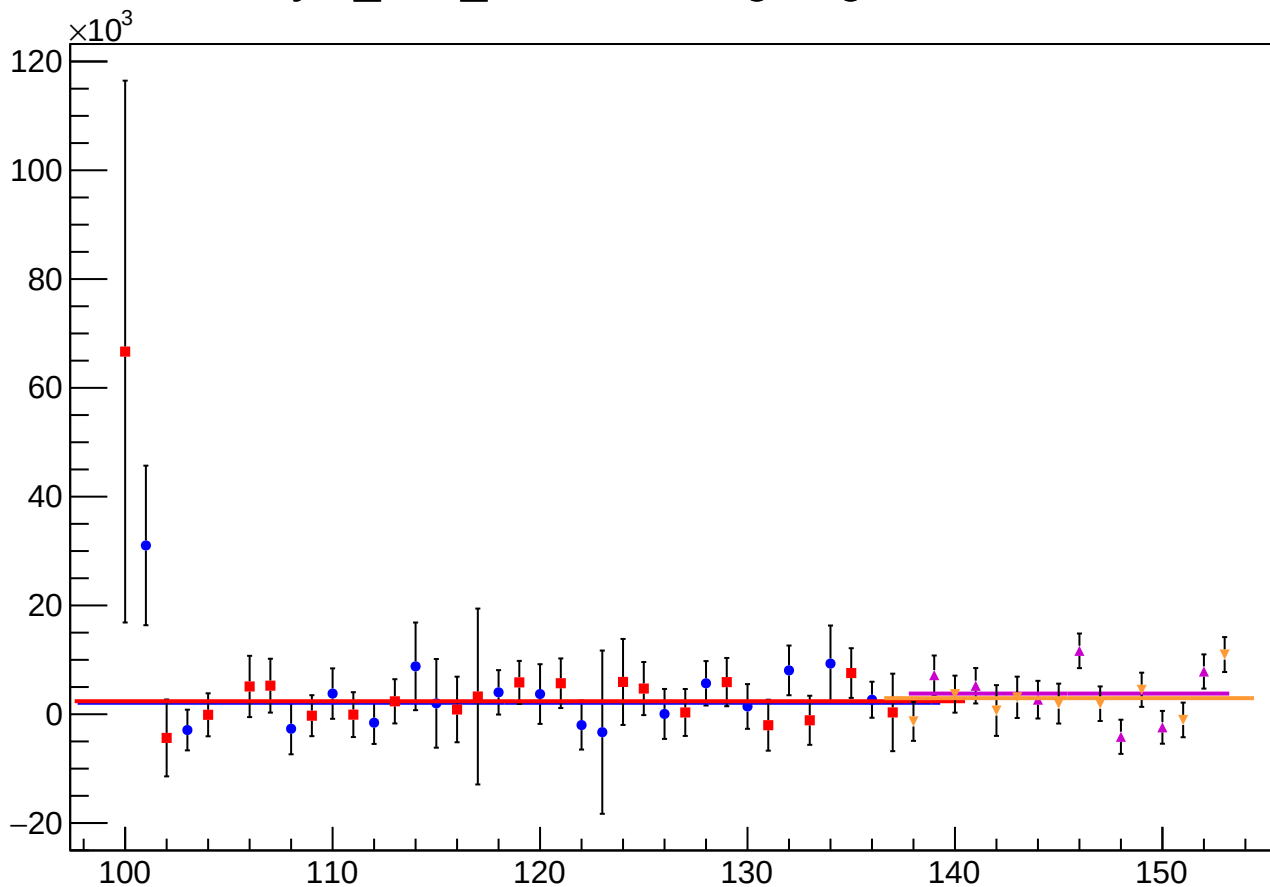
Left In: 808.999+/-0.247 χ^2/NDF : 673890.3/6

669.747+/-0.139 χ^2/NDF : 3036205.4/25

647.446+/-0.096 χ^2/NDF : 5621634.6/52

627.419+/-0.132 χ^2/NDF : 2536692.6/26

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2954.292+/-1154.674 χ^2/NDF : 9.9/8

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

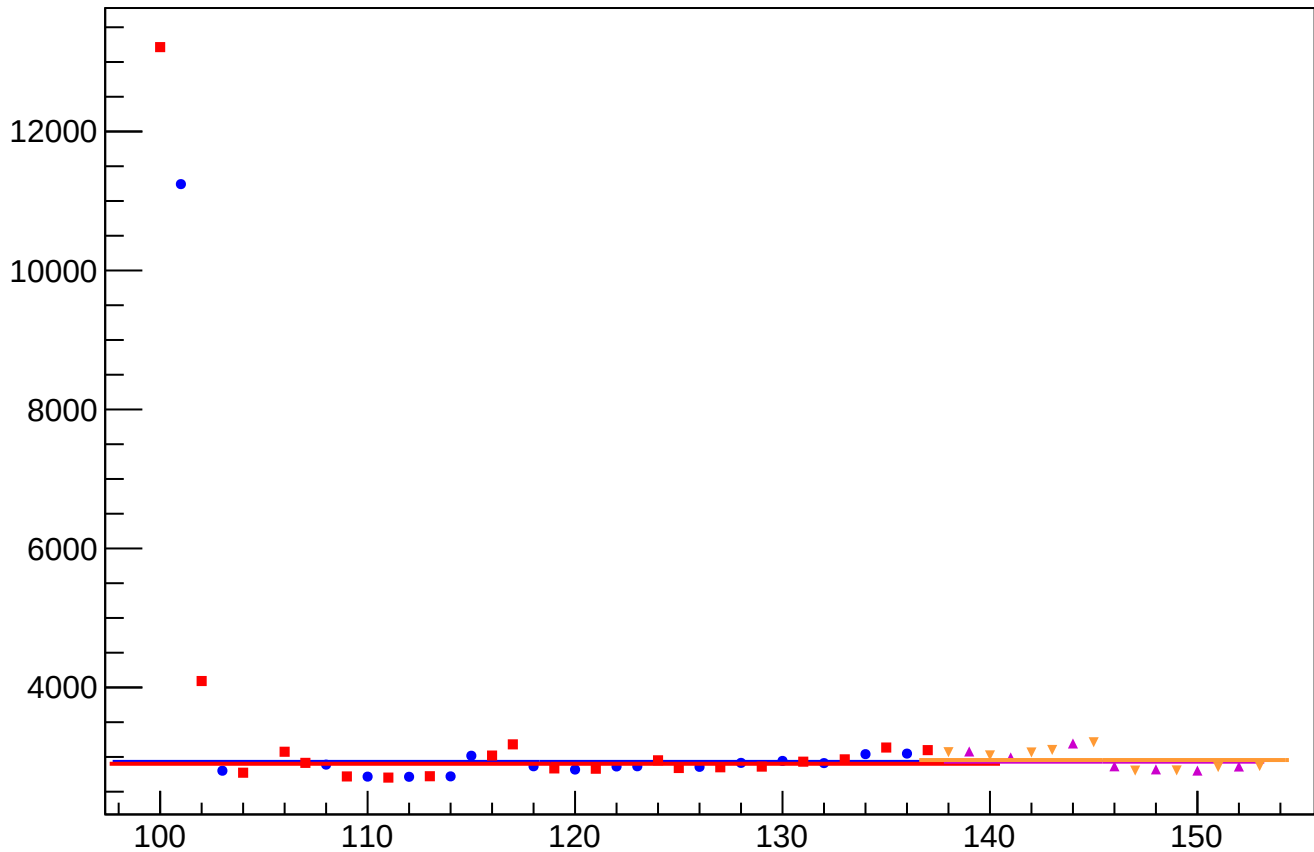
Left In: 3798.033+/-1225.747 χ^2/NDF : 19.6/6

2534.919+/-819.873 χ^2/NDF : 23.7/25

2778.333+/-580.422 χ^2/NDF : 54.1/52

3022.899+/-821.811 χ^2/NDF : 30.2/26

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2928.700 $\pm$ 0.823 χ^2 /NDF: 662362.9/16

Left Out: 2955.469 $\pm$ 0.816 χ^2 /NDF: 29061.3/8

Right Out: 2901.790 $\pm$ 0.783 χ^2 /NDF: 170320.9/19

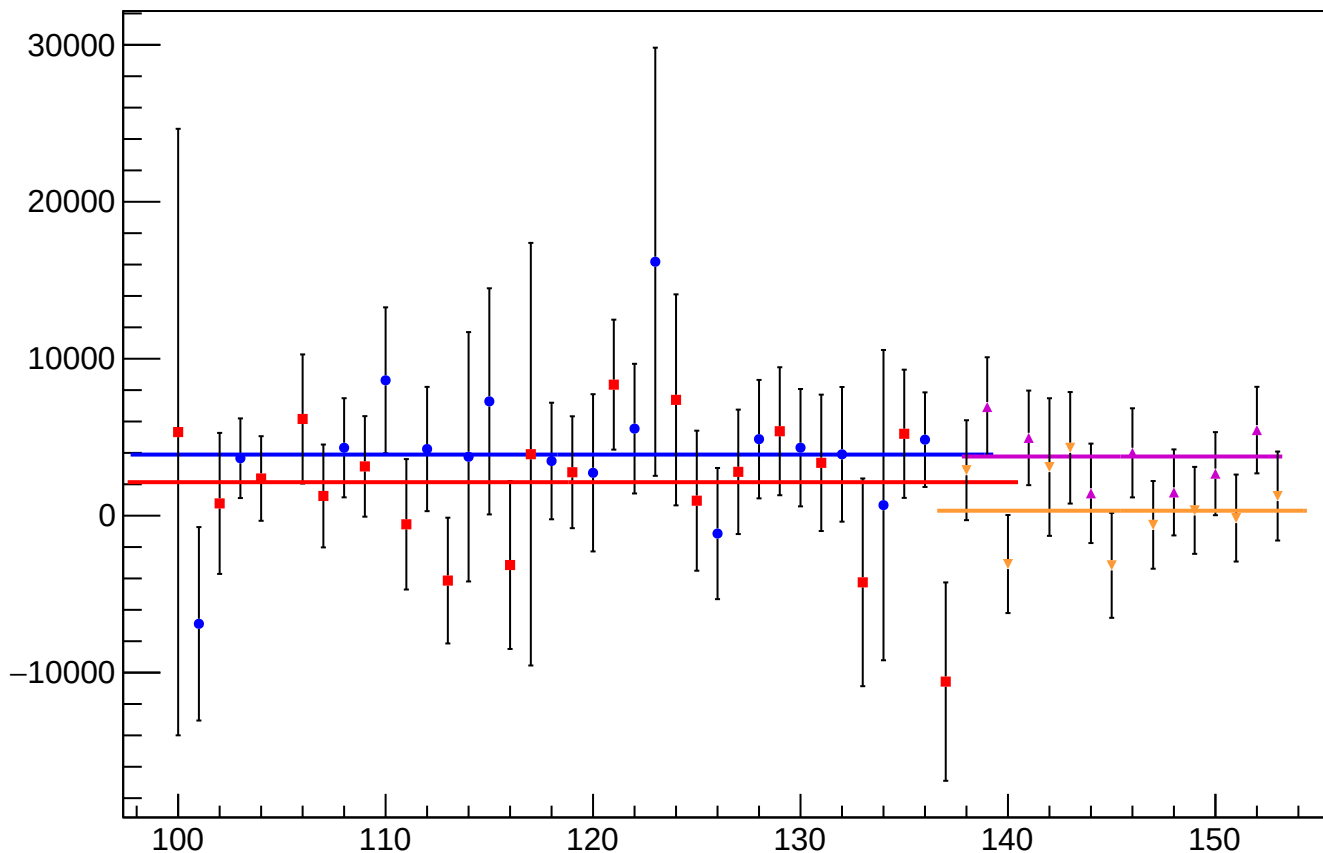
Left In: 2931.988 $\pm$ 0.867 χ^2 /NDF: 23396.7/6

2942.196 $\pm$ 0.580 χ^2 /NDF: 691957.1/25

2928.812 $\pm$ 0.410 χ^2 /NDF: 887411.4/52

2915.364 $\pm$ 0.581 χ^2 /NDF: 194385.8/26

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 315.620+/-1034.278 χ^2/NDF : 4.8/8

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

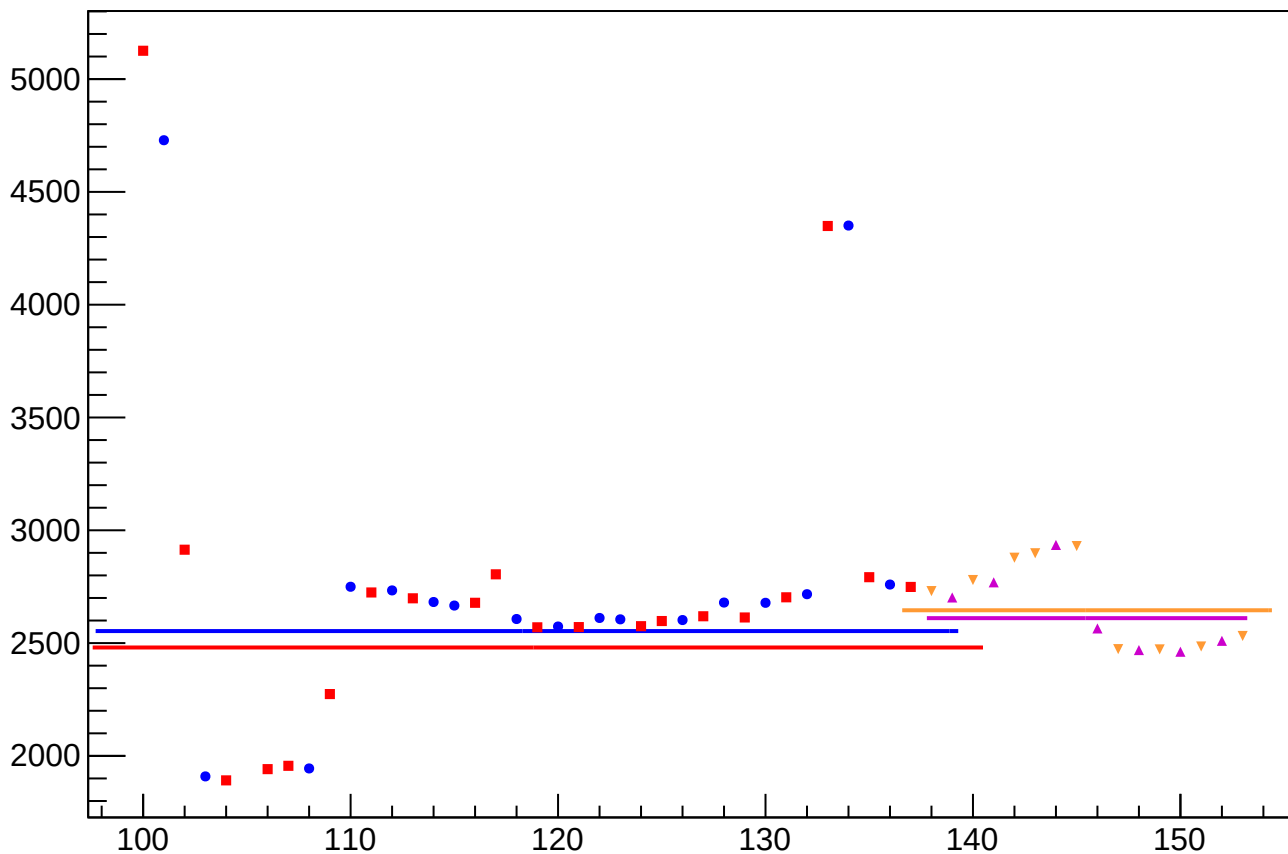
Left In: 3769.757+/-1090.622 χ^2/NDF : 2.9/6

2143.497+/-723.237 χ^2/NDF : 18.1/25

2496.153+/-509.868 χ^2/NDF : 37.1/52

2844.596+/-718.905 χ^2/NDF : 18.6/26

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2645.475 +/- 0.731 χ^2/NDF : 60742.9/8

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

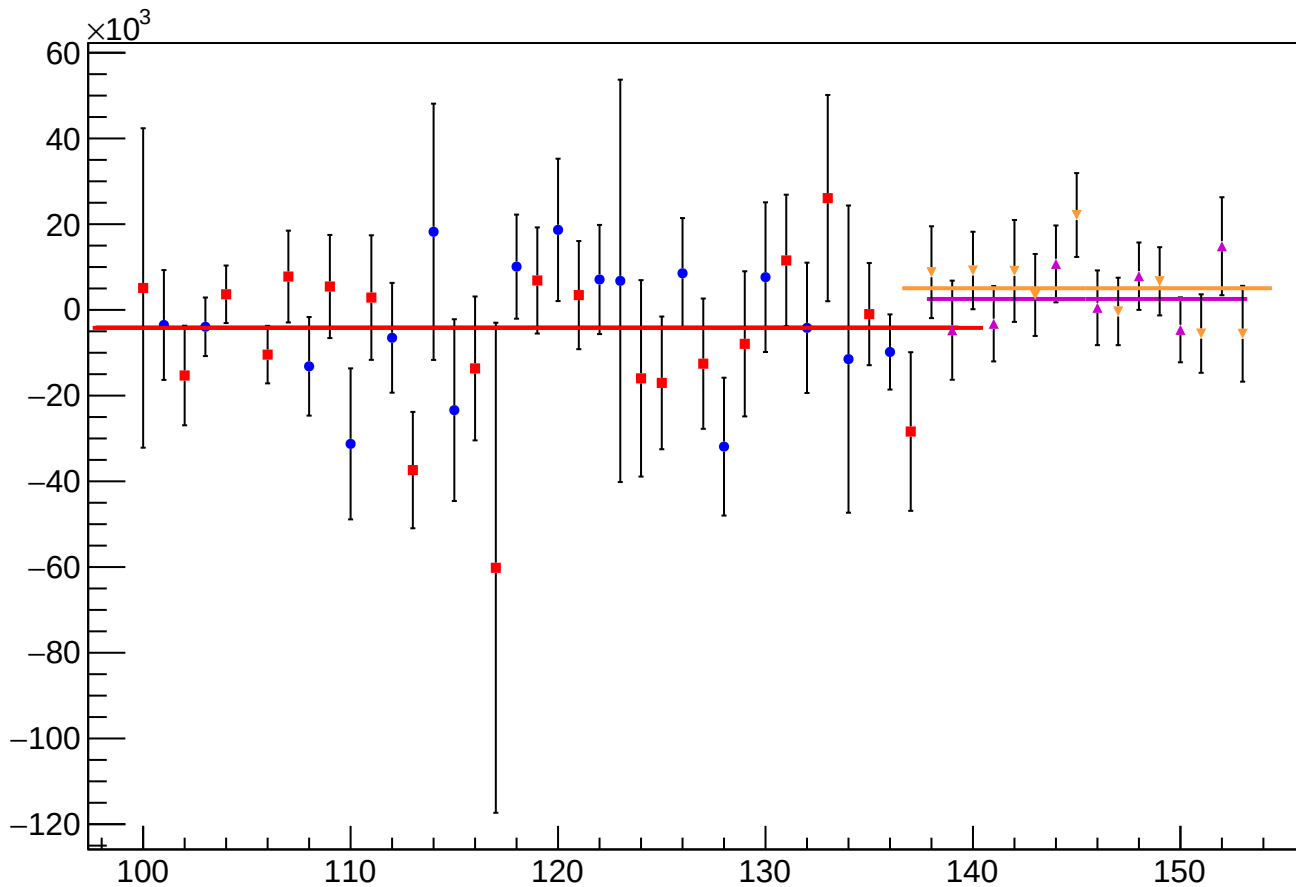
Left In: 2610.539 +/- 0.771 χ^2/NDF : 43033.8/6

2598.361 +/- 0.511 χ^2/NDF : 614090.7/25

2567.498 +/- 0.361 χ^2/NDF : 1131112.0/52

2537.004 +/- 0.508 χ^2/NDF : 509780.9/26

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 5055.845 ± 3142.006 χ^2/NDF : 6.3/8

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

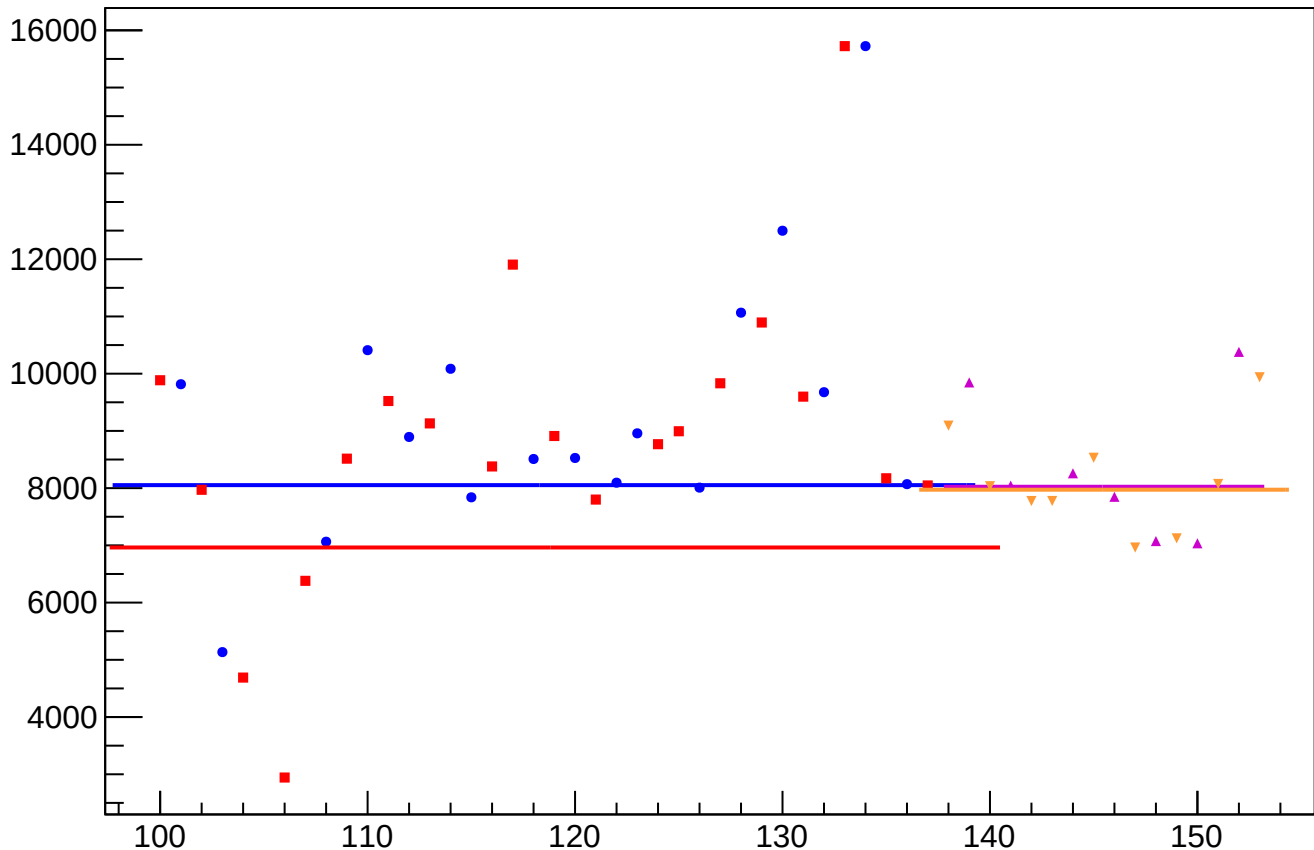
Left In: 2551.284 ± 3385.167 χ^2/NDF : 4.2/6

587.338 ± 2251.197 χ^2/NDF : 23.8/25

-452.655 ± 1562.935 χ^2/NDF : 50.3/52

-1420.405 ± 2171.600 χ^2/NDF : 26.0/26

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 7972.507 ± 2.222 χ^2/NDF : 147703.5/8

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

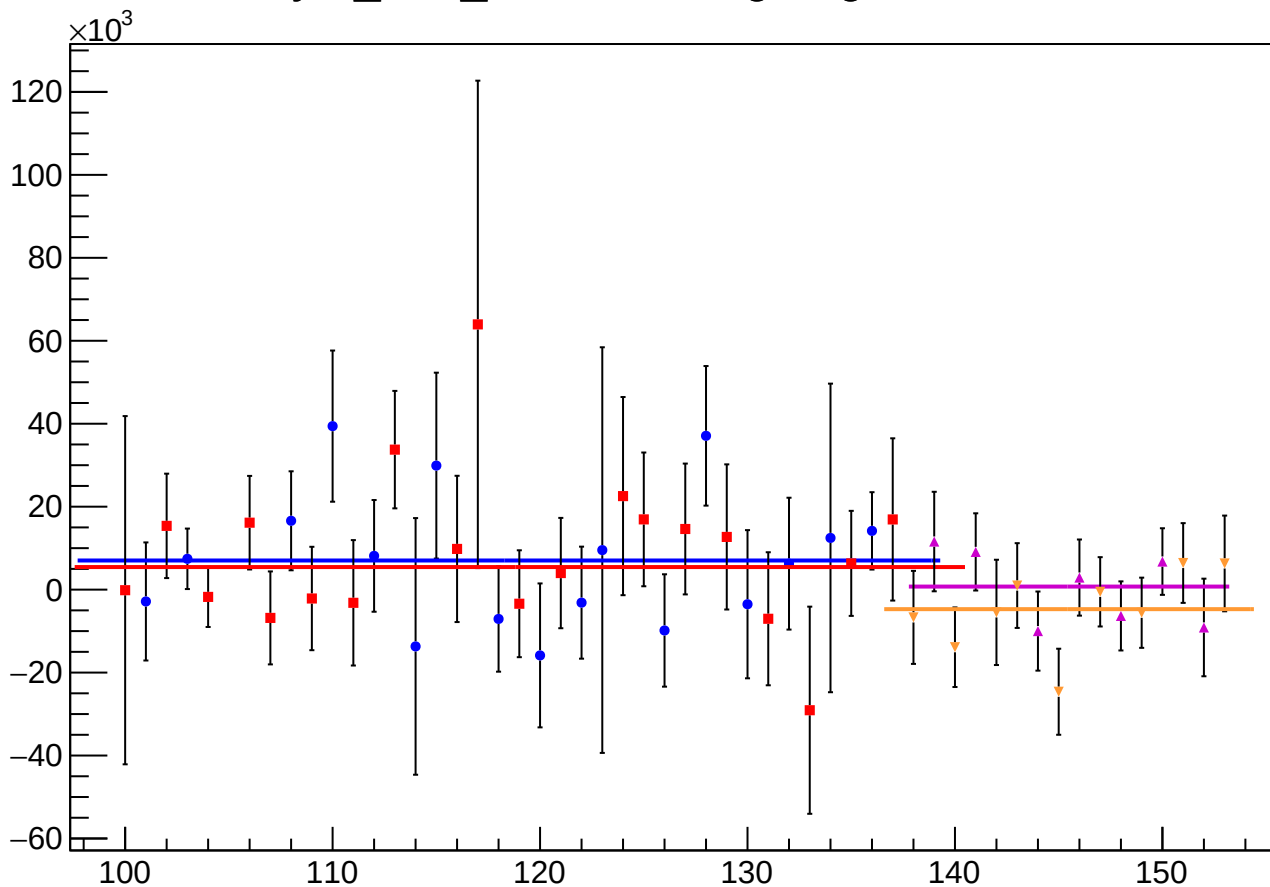
Left In: 8023.957 ± 2.394 χ^2/NDF : 200093.5/6

8011.461 ± 1.592 χ^2/NDF : 939059.3/25

7694.557 ± 1.105 χ^2/NDF : 3122819.1/52

7399.667 ± 1.536 χ^2/NDF : 2107246.6/26

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -4706.995 $\pm$ 3323.834 χ^2/NDF : 7.5/8

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

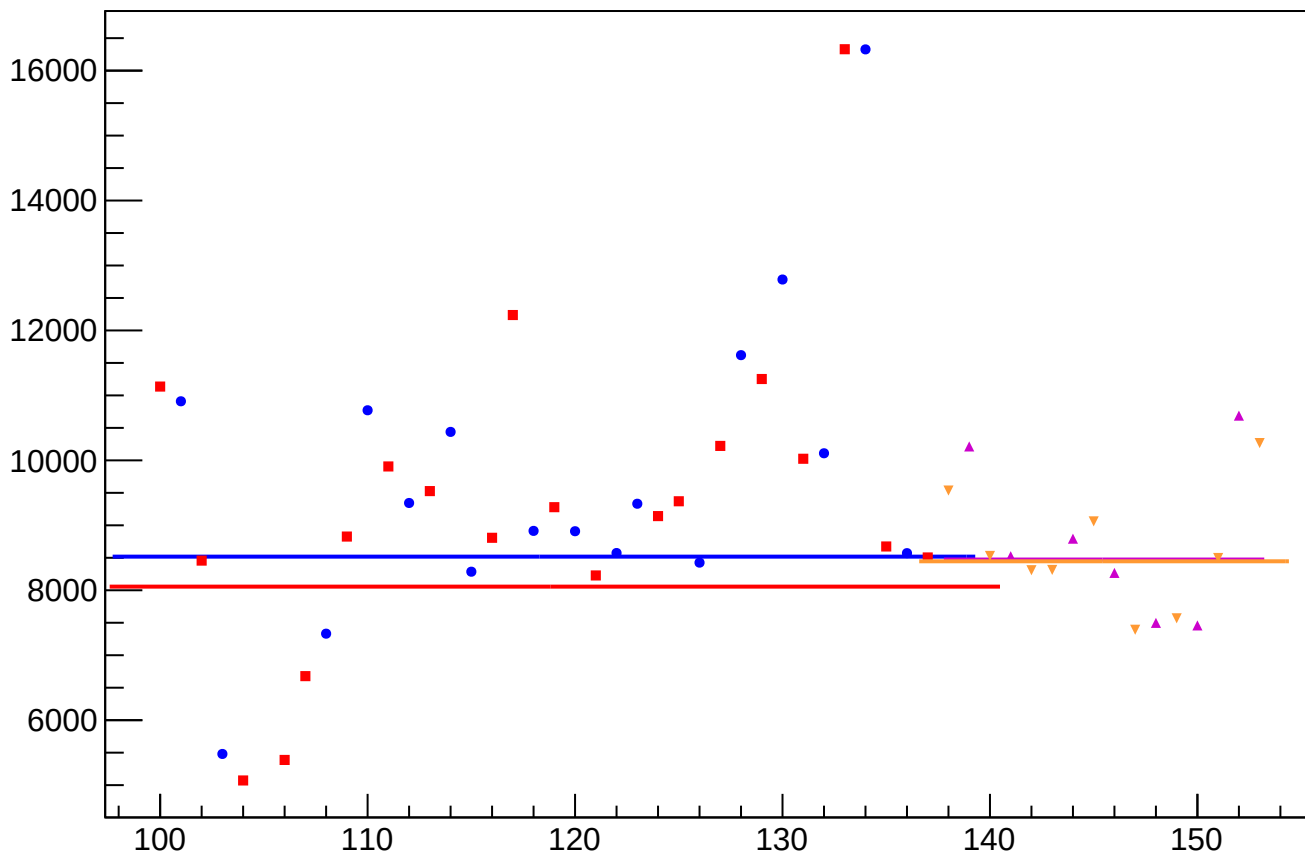
Left In: 737.828 $\pm$ 3568.893 χ^2/NDF : 4.9/6

1009.978 $\pm$ 2380.012 χ^2/NDF : 28.6/25

2197.281 $\pm$ 1678.440 χ^2/NDF : 49.3/52

3372.019 $\pm$ 2367.384 χ^2/NDF : 20.3/26

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 8446.225+/-2.350 χ^2/NDF : 129752.2/8

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

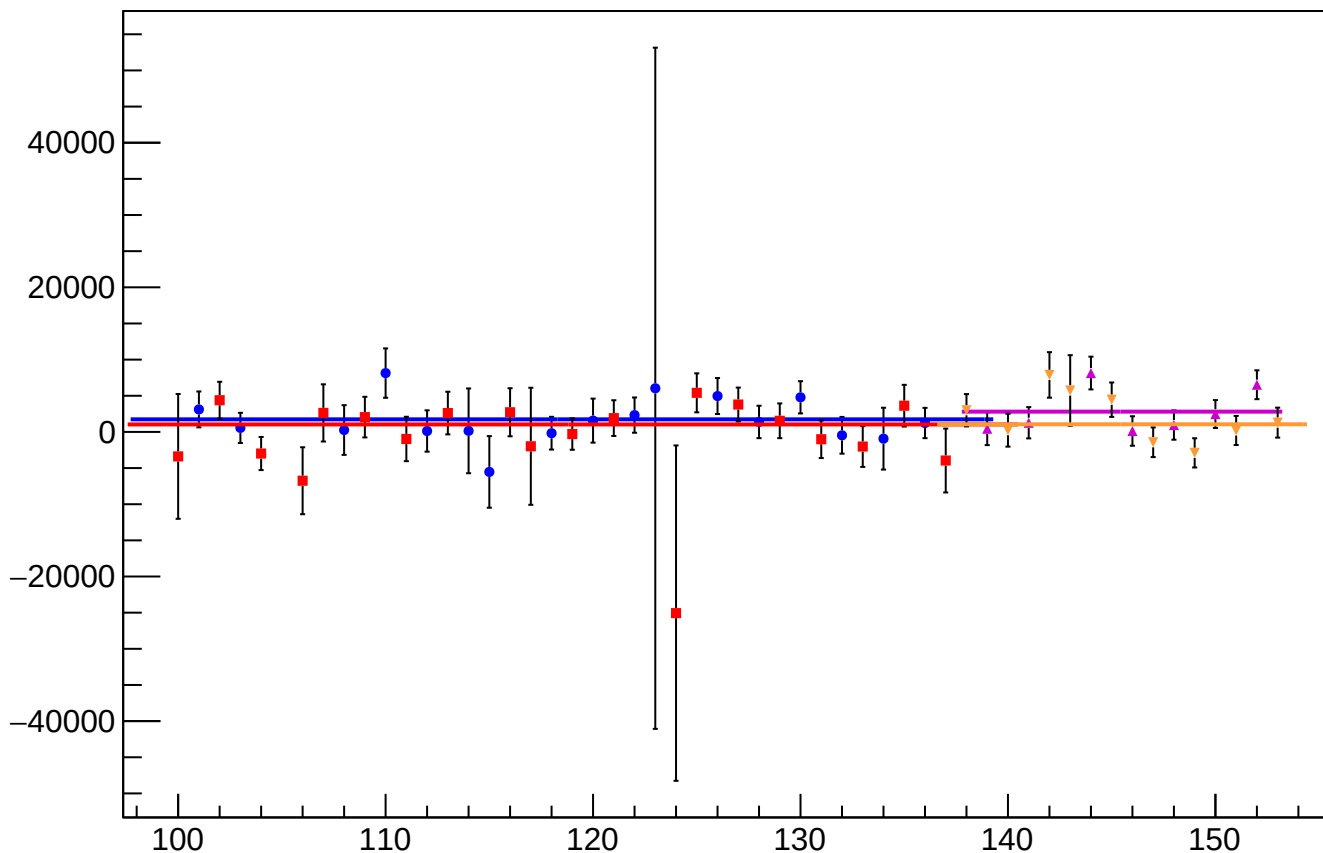
Left In: 8473.185+/-2.524 χ^2/NDF : 175701.9/6

8481.144+/-1.683 χ^2/NDF : 893486.6/25

8359.751+/-1.187 χ^2/NDF : 2057115.0/52

8239.647+/-1.674 χ^2/NDF : 1153277.5/26

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1739.640 $\pm$ 670.395 χ^2 /NDF: 12.4/16

Left Out: 1055.481 $\pm$ 772.791 χ^2 /NDF:14.0/8

Right Out: 1034.828 $\pm$ 668.692 χ^2 /NDF: 19.0/19

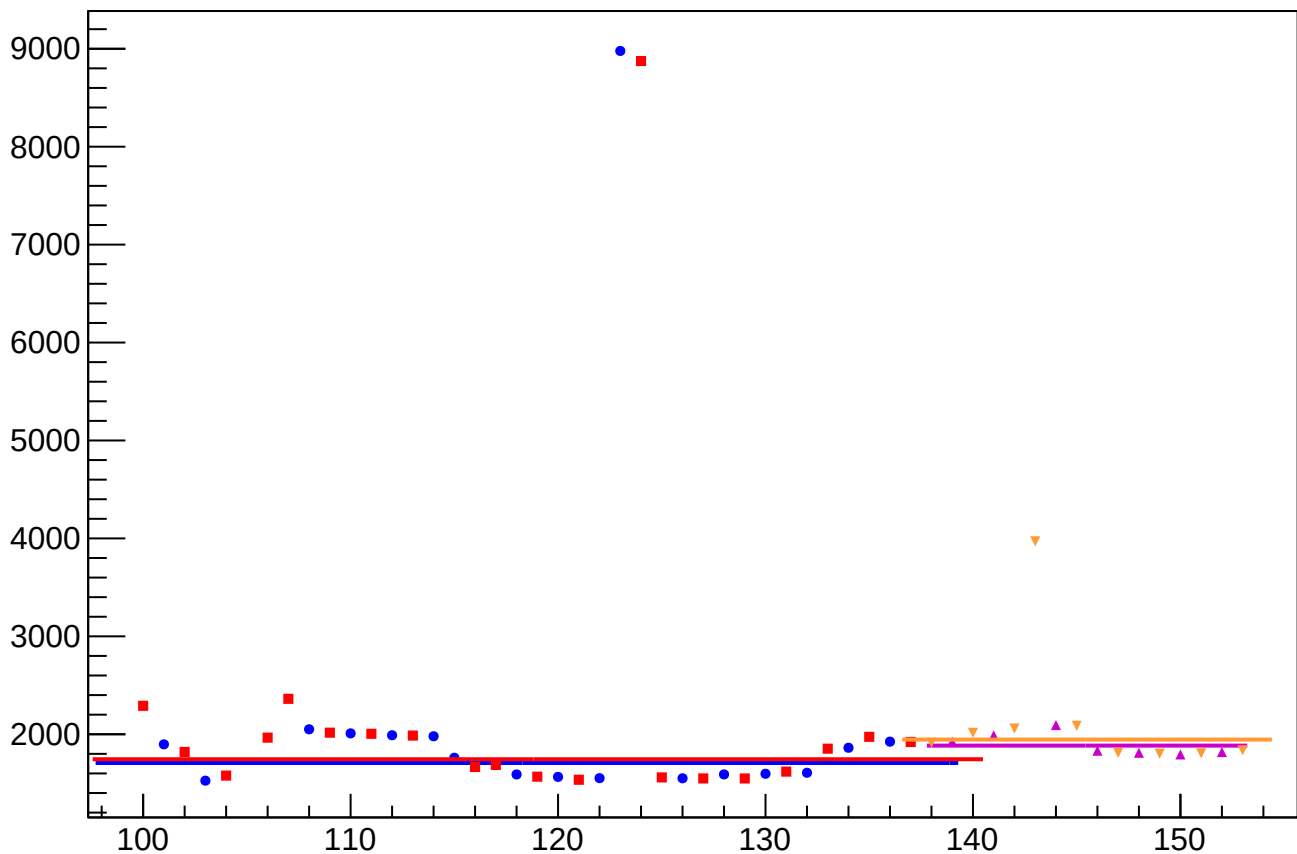
Left In: 2805.346 $\pm$ 789.054 χ^2 /NDF:13.2/6

1445.859 $\pm$ 506.402 χ^2 /NDF: 26.9/25

1609.164 $\pm$ 359.395 χ^2 /NDF: 62.2/52

1774.889 $\pm$ 510.141 χ^2 /NDF: 35.1/26

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1945.799 $\pm$ 0.546 χ^2 /NDF: 389228.7/8

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

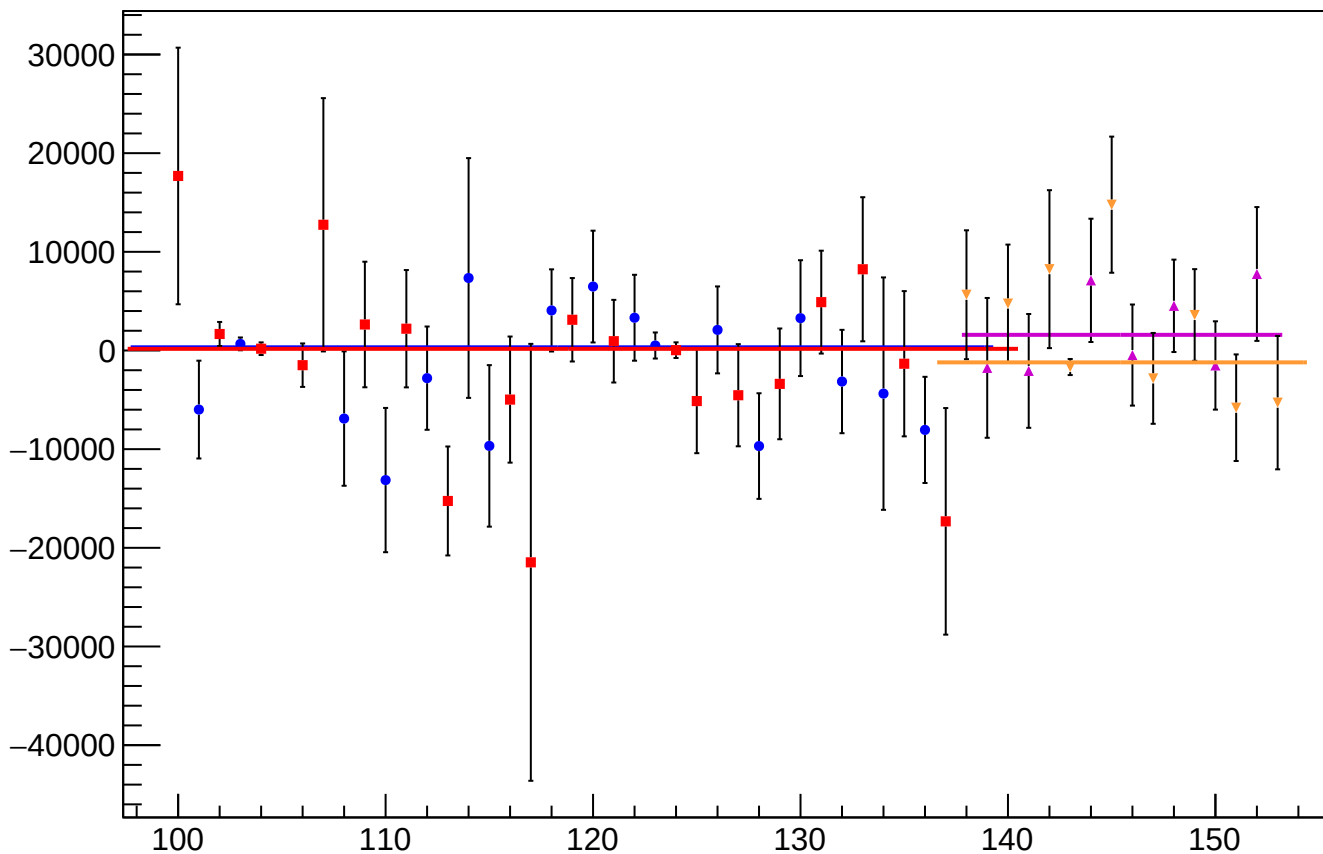
Left In: 1884.225 $\pm$ 0.558 χ^2 /NDF: 32993.2/6

1809.465 $\pm$ 0.358 χ^2 /NDF: 695873.2/25

1806.206 $\pm$ 0.254 χ^2 /NDF: 1165303.1/52

1802.917 $\pm$ 0.360 χ^2 /NDF: 469263.5/26

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 320.899 $\pm$ 540.384 χ^2 /NDF: 18.0/16

Left Out: -1204.161 $\pm$ 757.160 χ^2 /NDF: 11.5/8

Right Out: 168.343 $\pm$ 433.469 χ^2 /NDF: 21.7/19

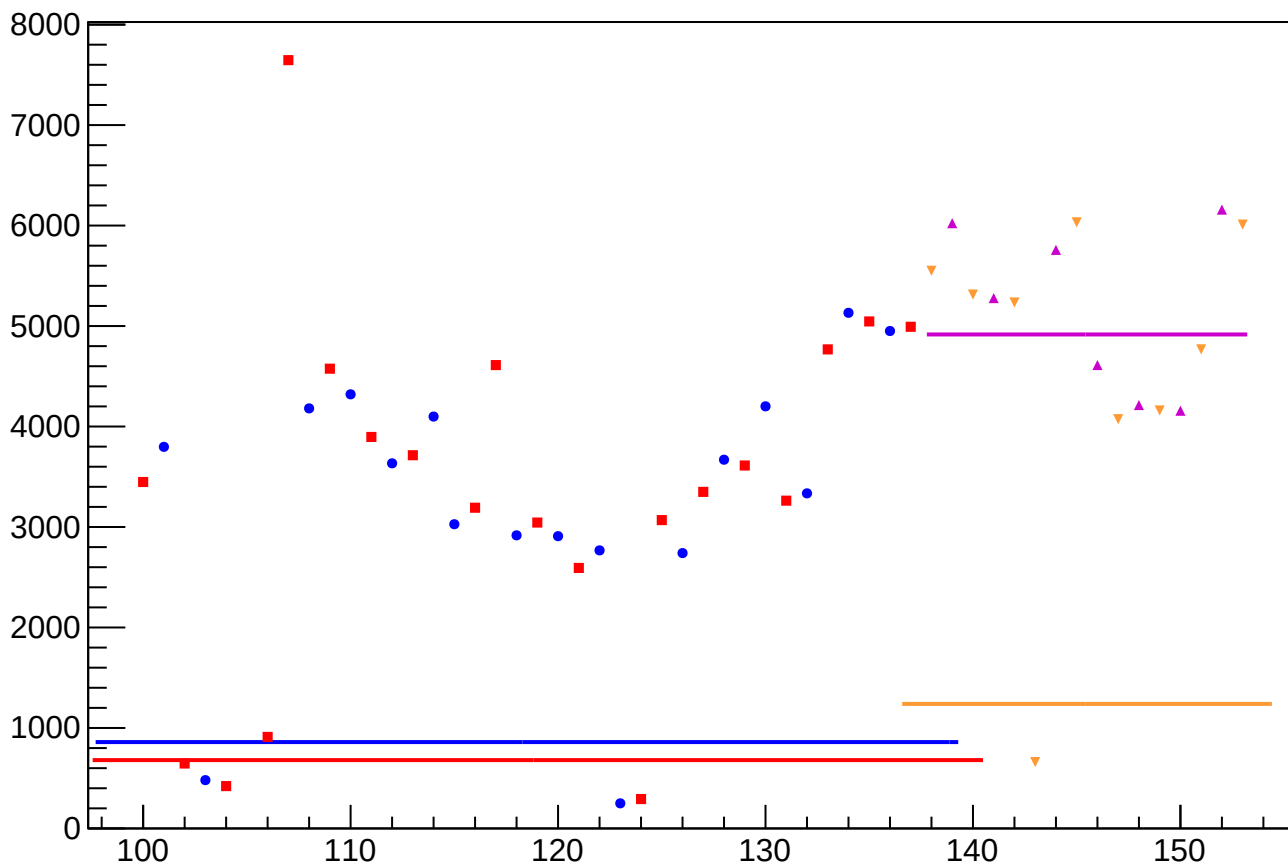
Left In: 1587.050 $\pm$ 2080.831 χ^2 /NDF: 3.3/6

-193.763 $\pm$ 439.851 χ^2 /NDF: 32.2/25

24.339 $\pm$ 305.397 χ^2 /NDF: 58.1/52

227.348 $\pm$ 424.359 χ^2 /NDF: 25.4/26

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1239.397 $\pm$ 0.535 χ^2 /NDF: 7670927.7/8

Right Out: 680.110 $\pm$ 0.307 χ^2 /NDF: 8447884.2/19

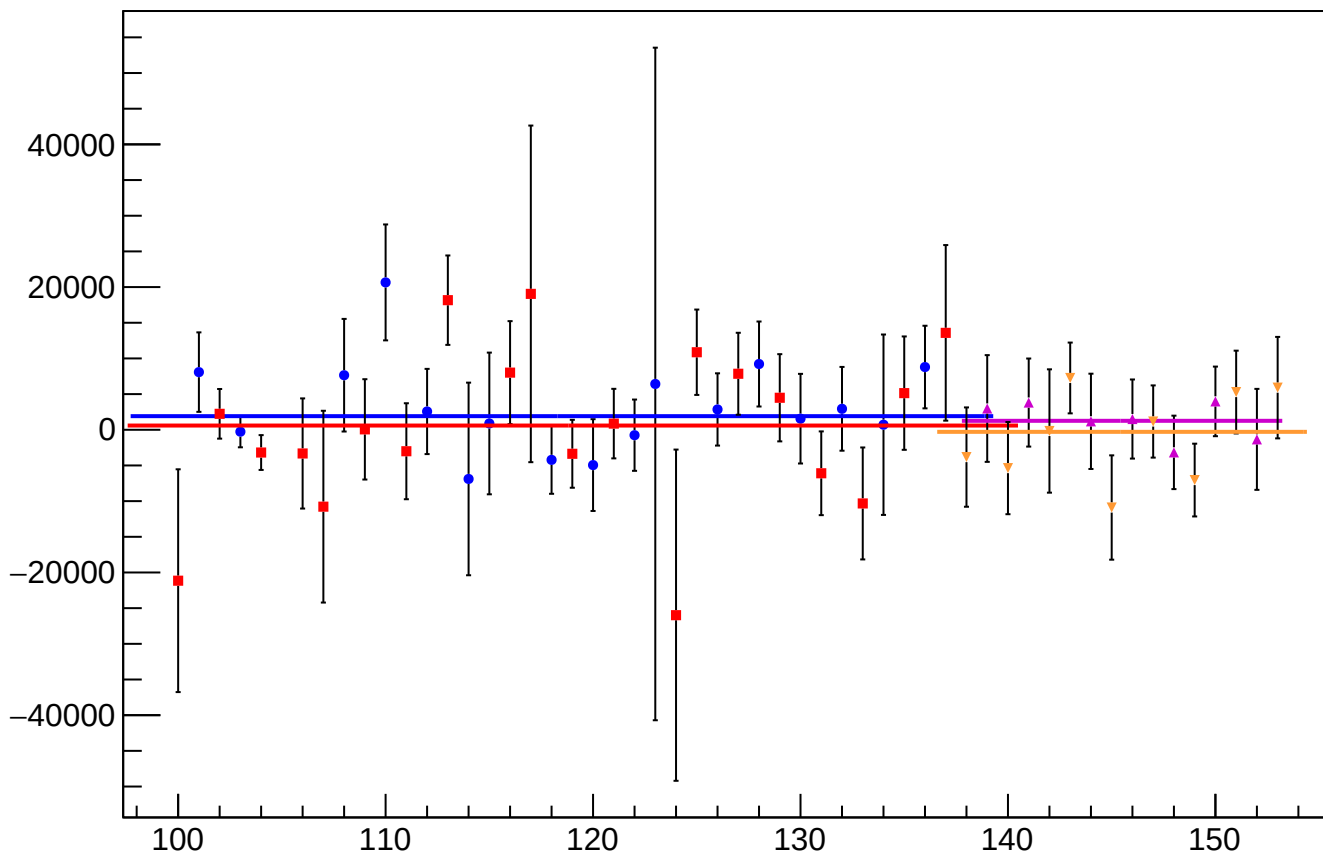
Left In: 4916.250 $\pm$ 1.471 χ^2 /NDF: 269710.1/6

987.741 $\pm$ 0.311 χ^2 /NDF: 16147665.7/25

919.662 $\pm$ 0.216 χ^2 /NDF: 32901931.9/52

856.293 $\pm$ 0.300 χ^2 /NDF: 16661754.8/26

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: -289.171+/-2022.982 χ^2/NDF : 8.8/8

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

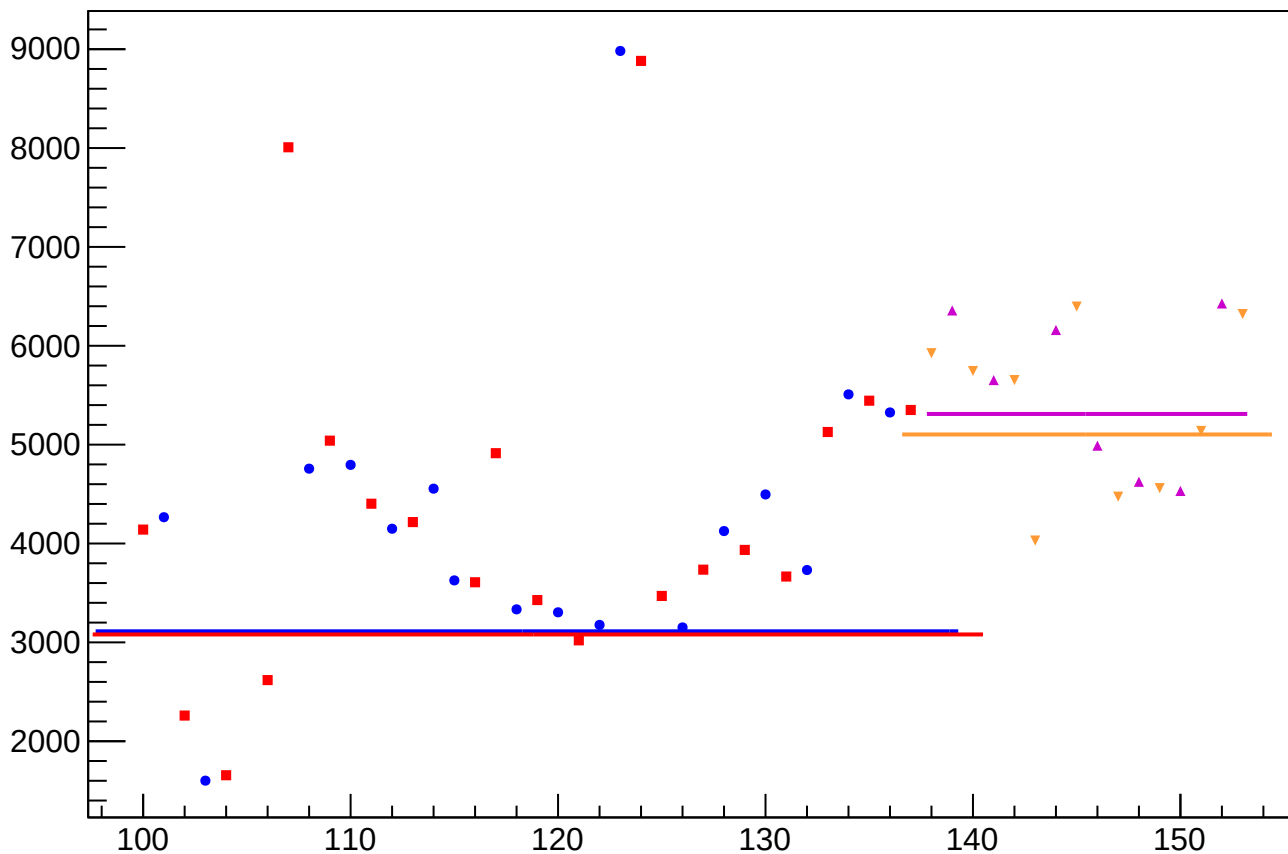
Left In: 1256.352+/-2242.438 χ^2/NDF : 1.4/6

1259.657+/-1099.716 χ^2/NDF : 24.3/25

1012.019+/-782.690 χ^2/NDF : 52.8/52

757.810+/-1114.208 χ^2/NDF : 28.5/26

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5102.886 +/- 1.430 χ^2/NDF : 324260.9/8

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

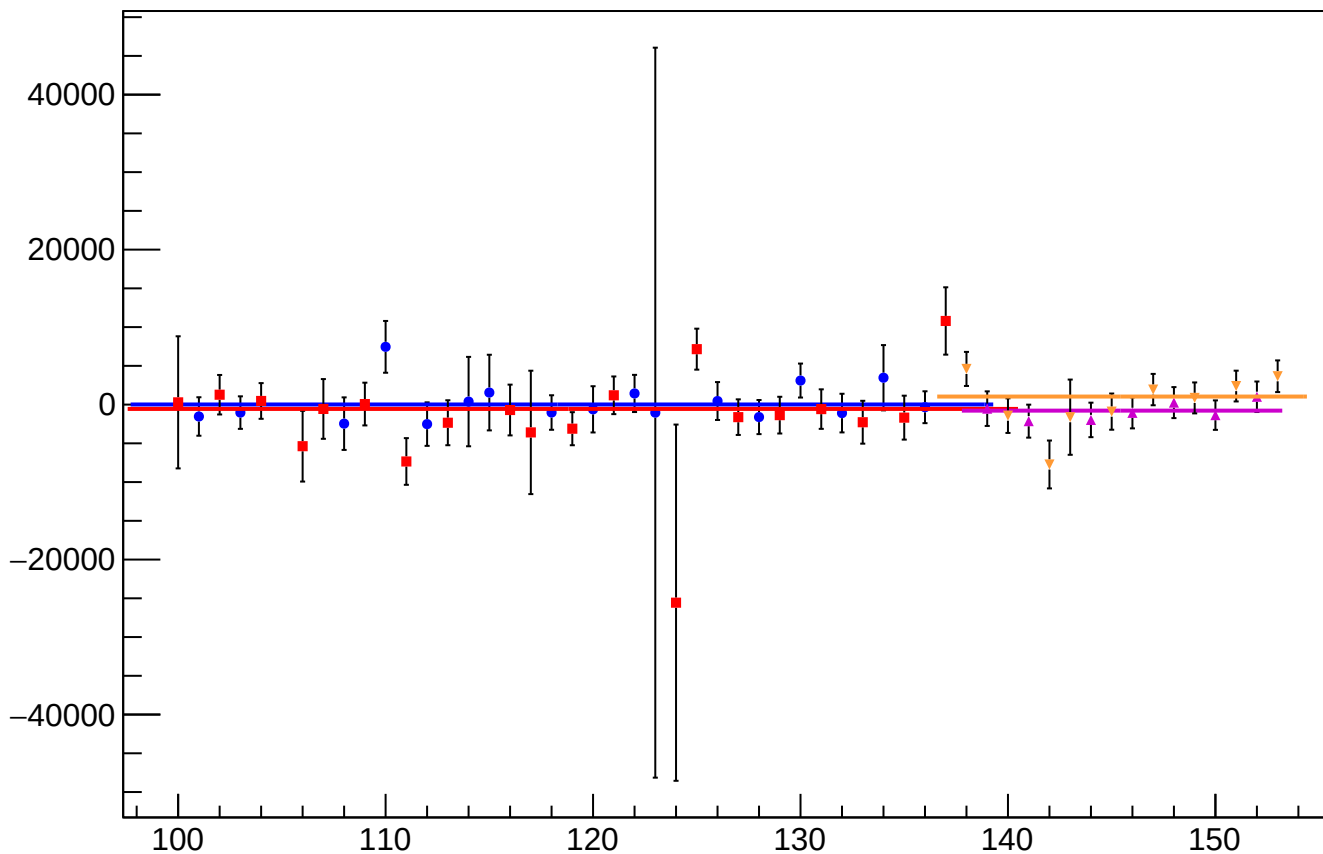
Left In: 5310.367 +/- 1.586 χ^2/NDF : 220832.0/6

3700.205 +/- 0.778 χ^2/NDF : 3568683.6/25

3659.551 +/- 0.550 χ^2/NDF : 7313329.9/52

3618.724 +/- 0.779 χ^2/NDF : 3739168.2/26

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 1038.303 ± 761.200 $\chi^2/\text{NDF}: 15.2/8$

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

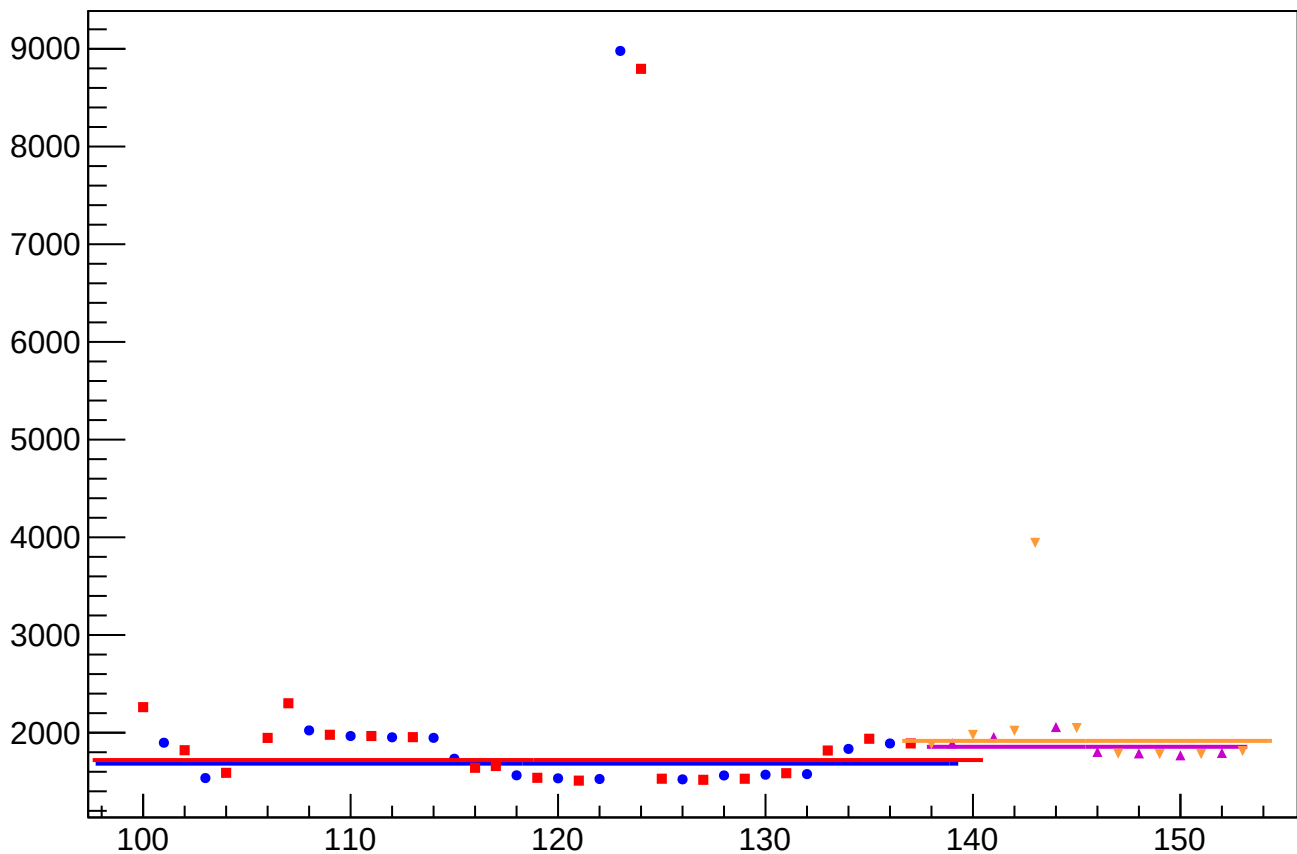
Left In: -779.138 ± 777.038 $\chi^2/\text{NDF}: 1.9/6$

454.485 ± 499.134 $\chi^2/\text{NDF}: 27.4/25$

-94.361 ± 354.138 $\chi^2/\text{NDF}: 58.6/52$

-650.713 ± 502.536 $\chi^2/\text{NDF}: 28.8/26$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1916.314 +/- 0.538 χ^2/NDF : 391567.8/8

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

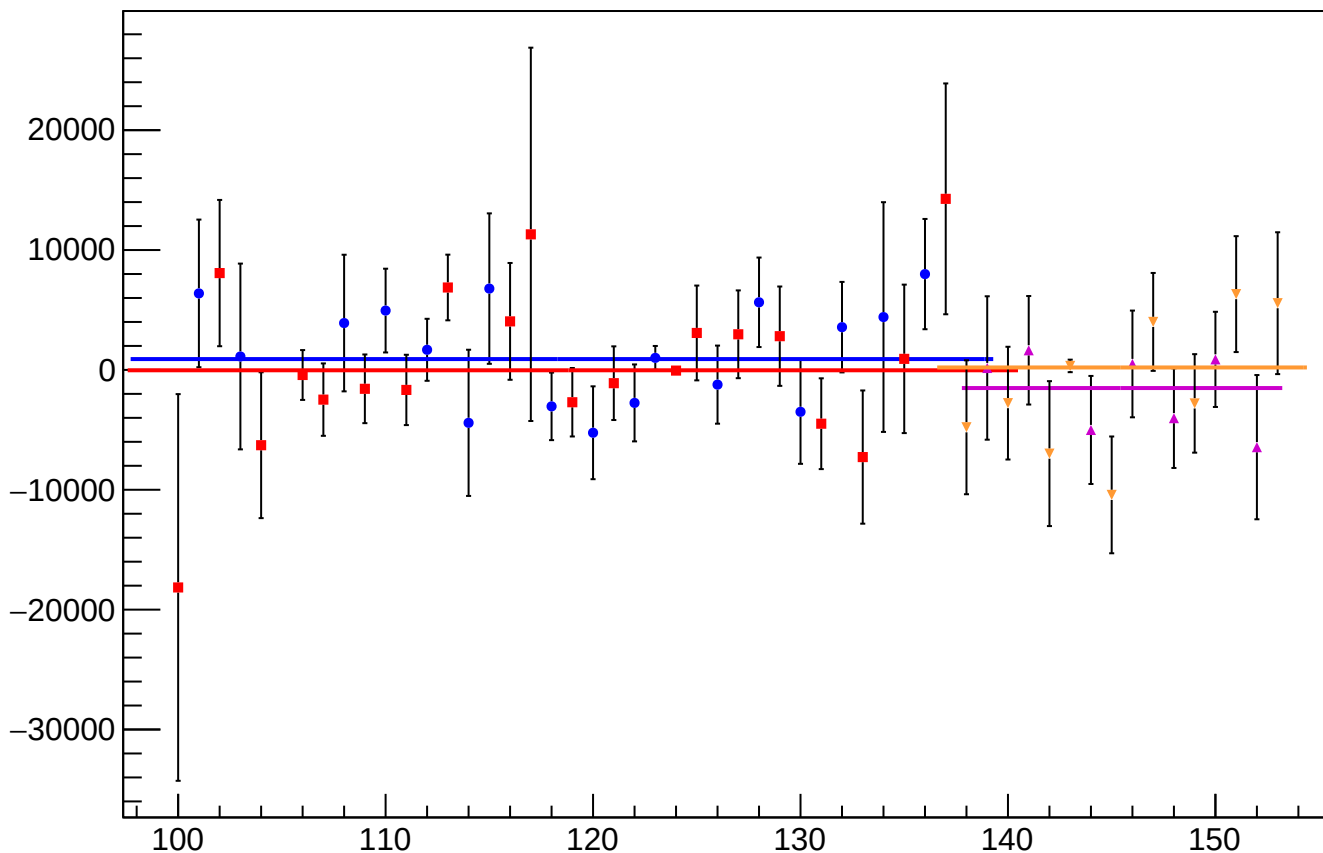
Left In: 1855.682 +/- 0.549 χ^2/NDF : 31333.9/6

1783.465 +/- 0.353 χ^2/NDF : 694329.6/25

1779.970 +/- 0.250 χ^2/NDF : 1157699.6/52

1776.445 +/- 0.354 χ^2/NDF : 463173.0/26

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 203.429+/-499.967 χ^2/NDF : 11.3/8

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

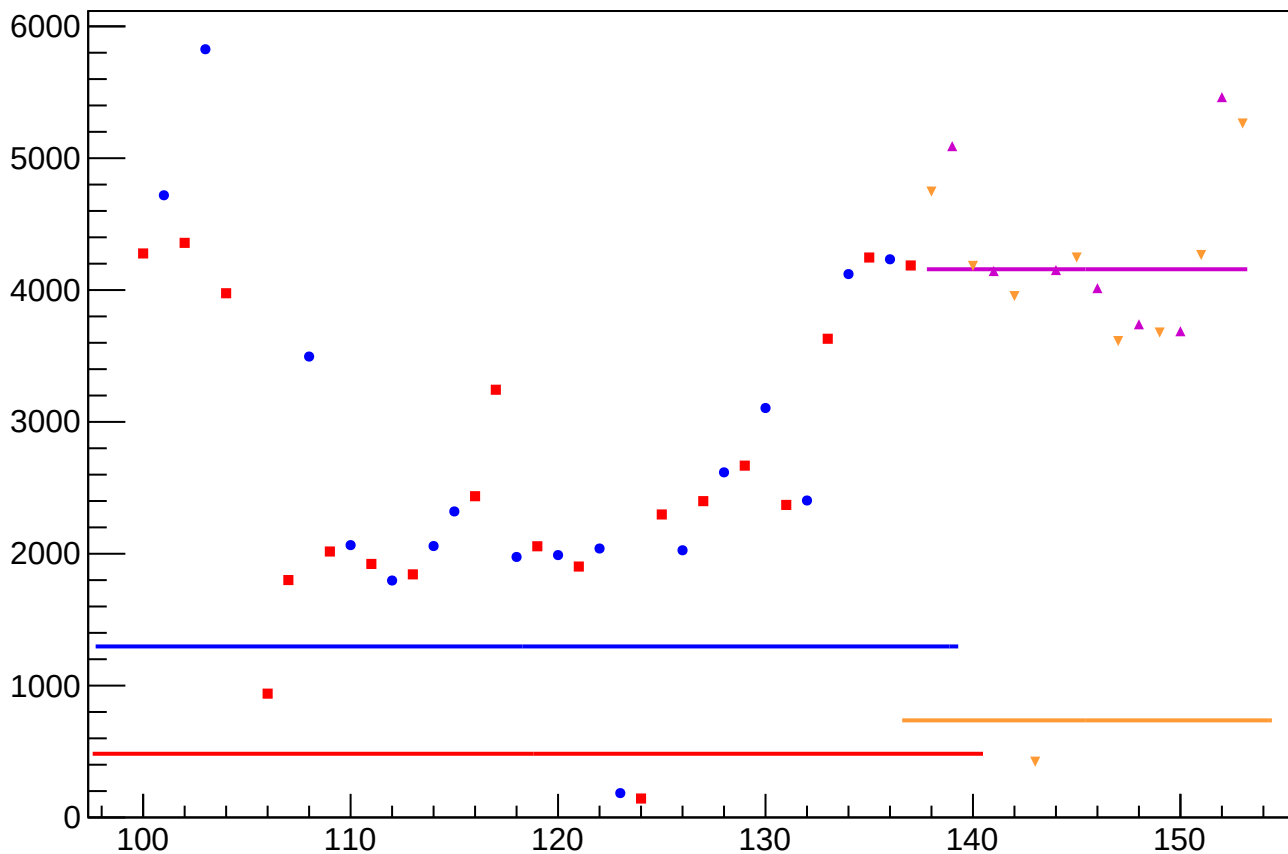
Left In: -1514.009+/-1753.129 χ^2/NDF : 2.8/6

437.393+/-407.933 χ^2/NDF : 27.9/25

132.850+/-265.585 χ^2/NDF : 53.4/52

-91.204+/-349.898 χ^2/NDF : 24.5/26

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 736.243+/-0.354 χ^2/NDF : 8682447.8/8

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

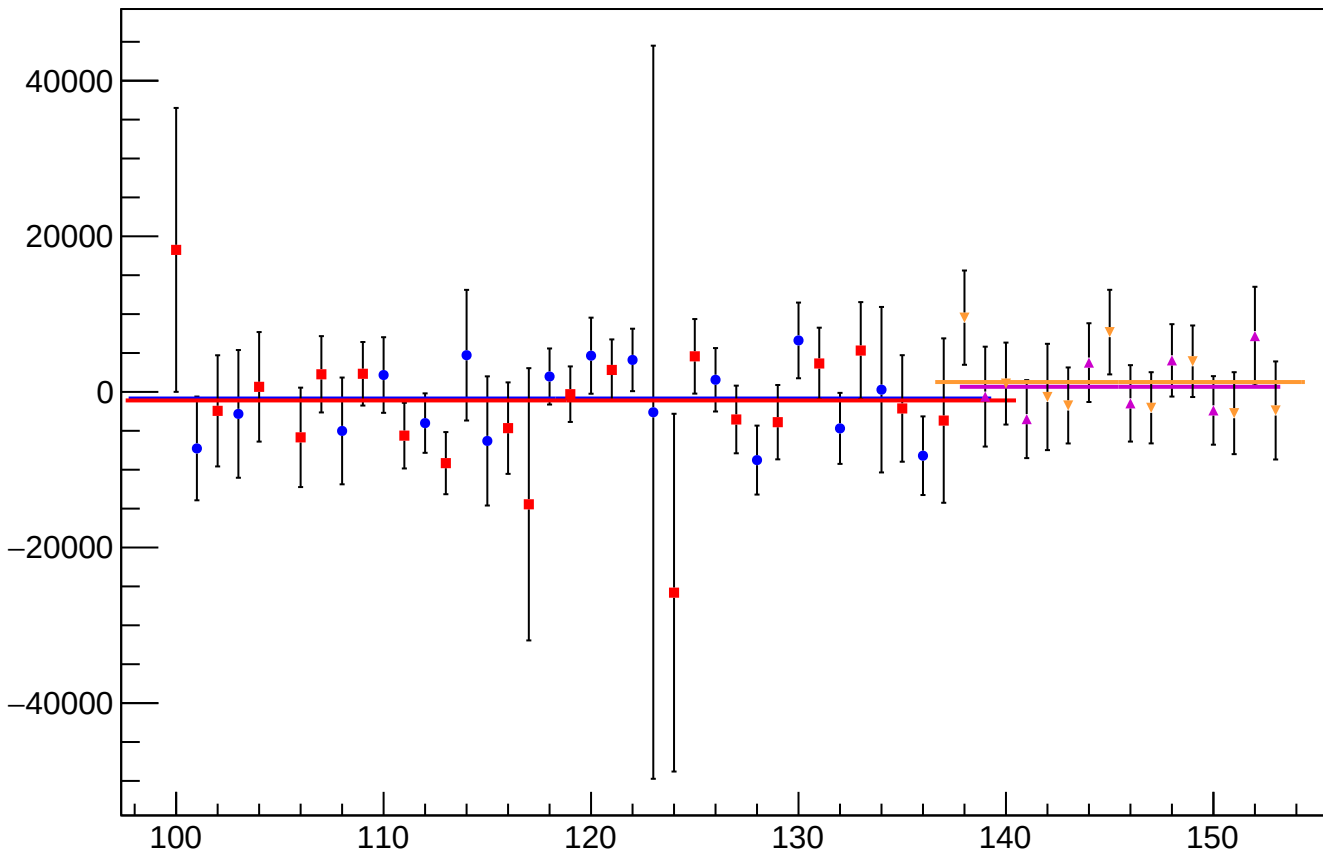
Left In: 4157.759+/-1.240 χ^2/NDF : 193167.8/6

923.692+/-0.288 χ^2/NDF : 16033078.3/25

754.146+/-0.188 χ^2/NDF : 35470183.2/52

629.409+/-0.247 χ^2/NDF : 18837444.0/26

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 1269.539+/-1776.947 χ^2/NDF :5.5/8

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

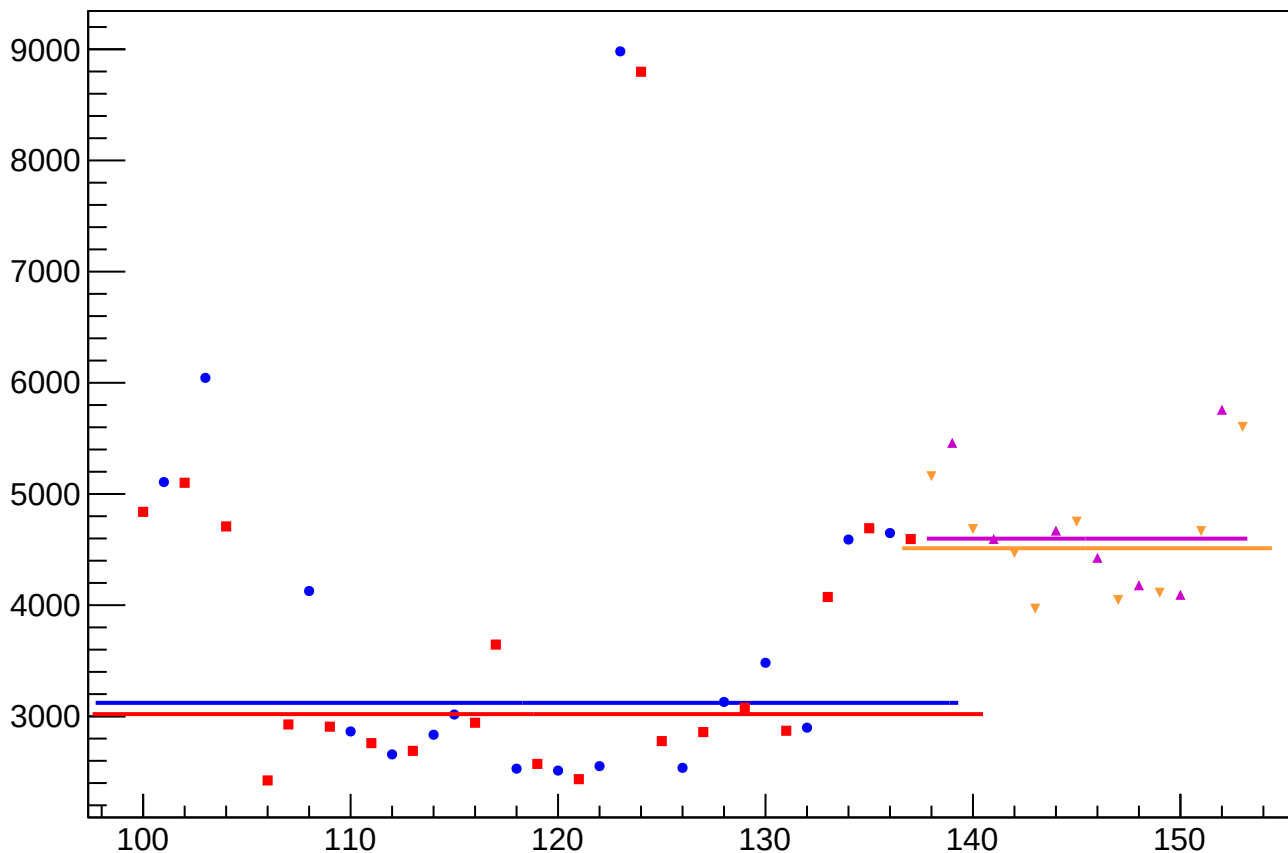
Left In: 656.700+/-1934.839 χ^2/NDF :3.4/6

-139.672+/-1028.385 χ^2/NDF : 21.9/25

-381.297+/-721.450 χ^2/NDF : 41.5/52

-615.455+/-1012.372 χ^2/NDF : 19.5/26

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4512.027+/-1.256 χ^2/NDF : 151234.2/8

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

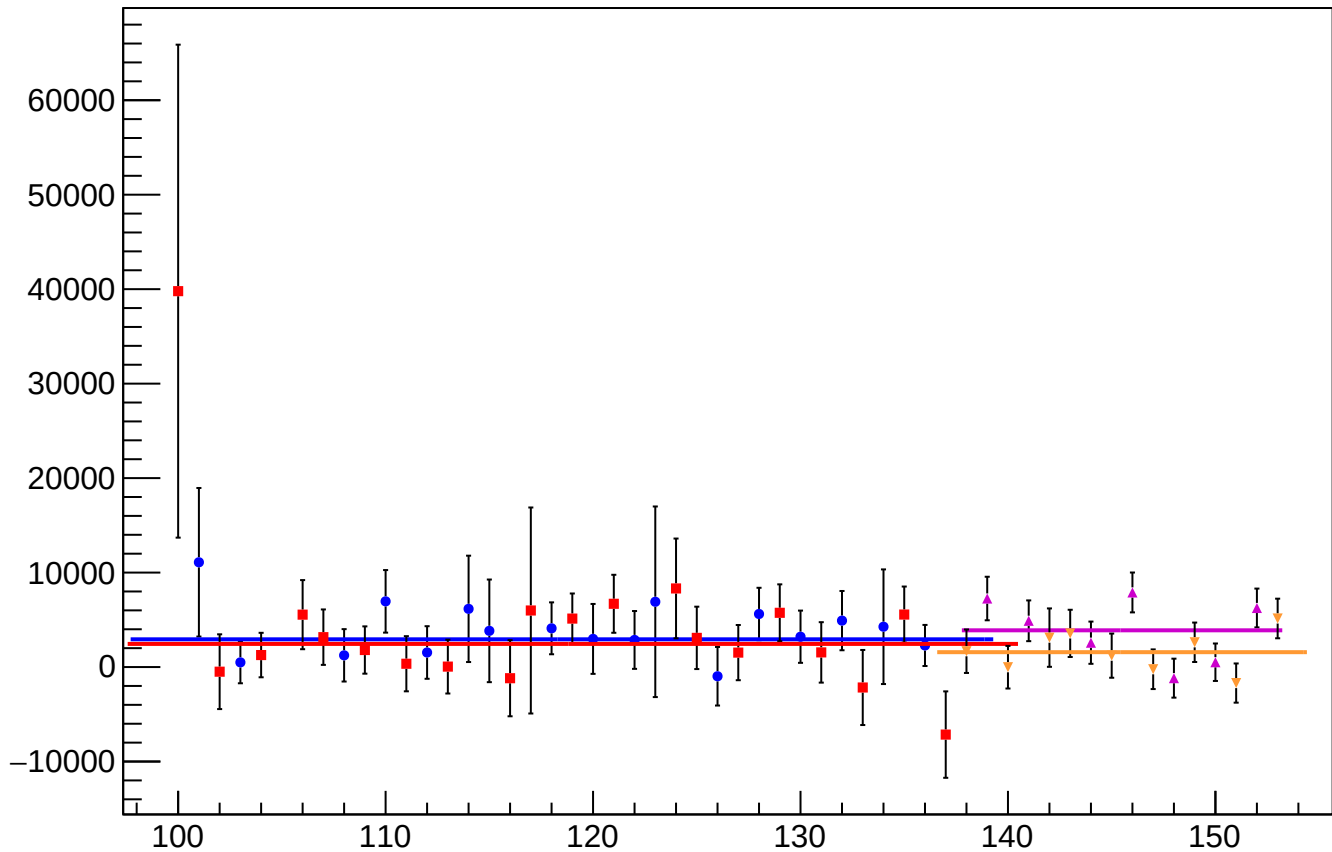
Left In: 4598.359+/-1.368 χ^2/NDF : 148309.1/6

3587.180+/-0.727 χ^2/NDF : 1911564.7/25

3514.001+/-0.508 χ^2/NDF : 3847263.7/52

3444.361+/-0.709 χ^2/NDF : 1915934.4/26

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1575.255 $\pm$ 755.910 χ^2 /NDF: 7.8/8

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

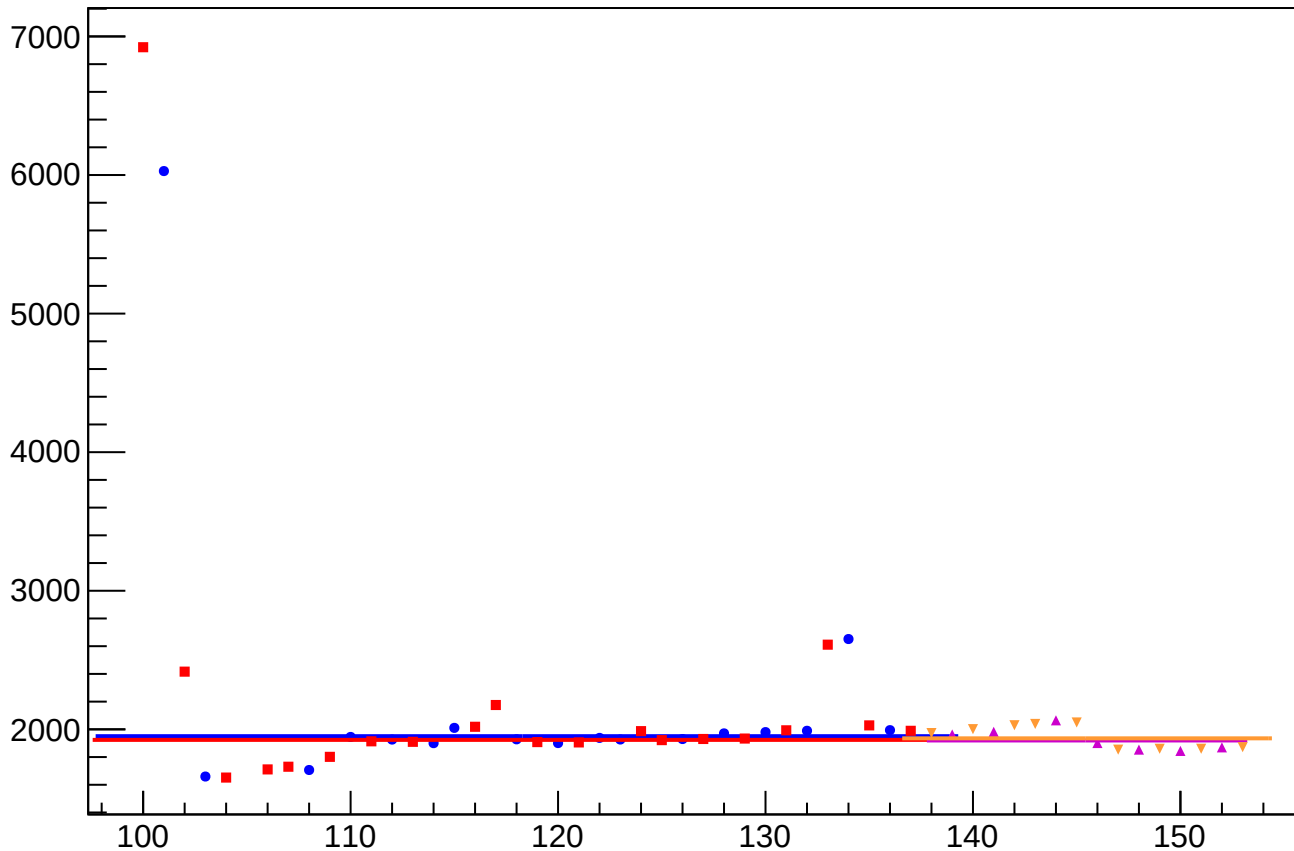
Left In: 3888.916 $\pm$ 802.009 χ^2 /NDF: 16.6/6

2238.258 $\pm$ 541.256 χ^2 /NDF: 17.5/25

2672.417 $\pm$ 383.464 χ^2 /NDF: 55.4/52

3109.943 $\pm$ 543.351 χ^2 /NDF: 36.6/26

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615 $\pm$ 0.548 χ^2 /NDF: 617332.2/16

Left Out: 1935.059 $\pm$ 0.535 χ^2 /NDF: 22501.8/8

Right Out: 1923.907 $\pm$ 0.521 χ^2 /NDF: 218470.6/19

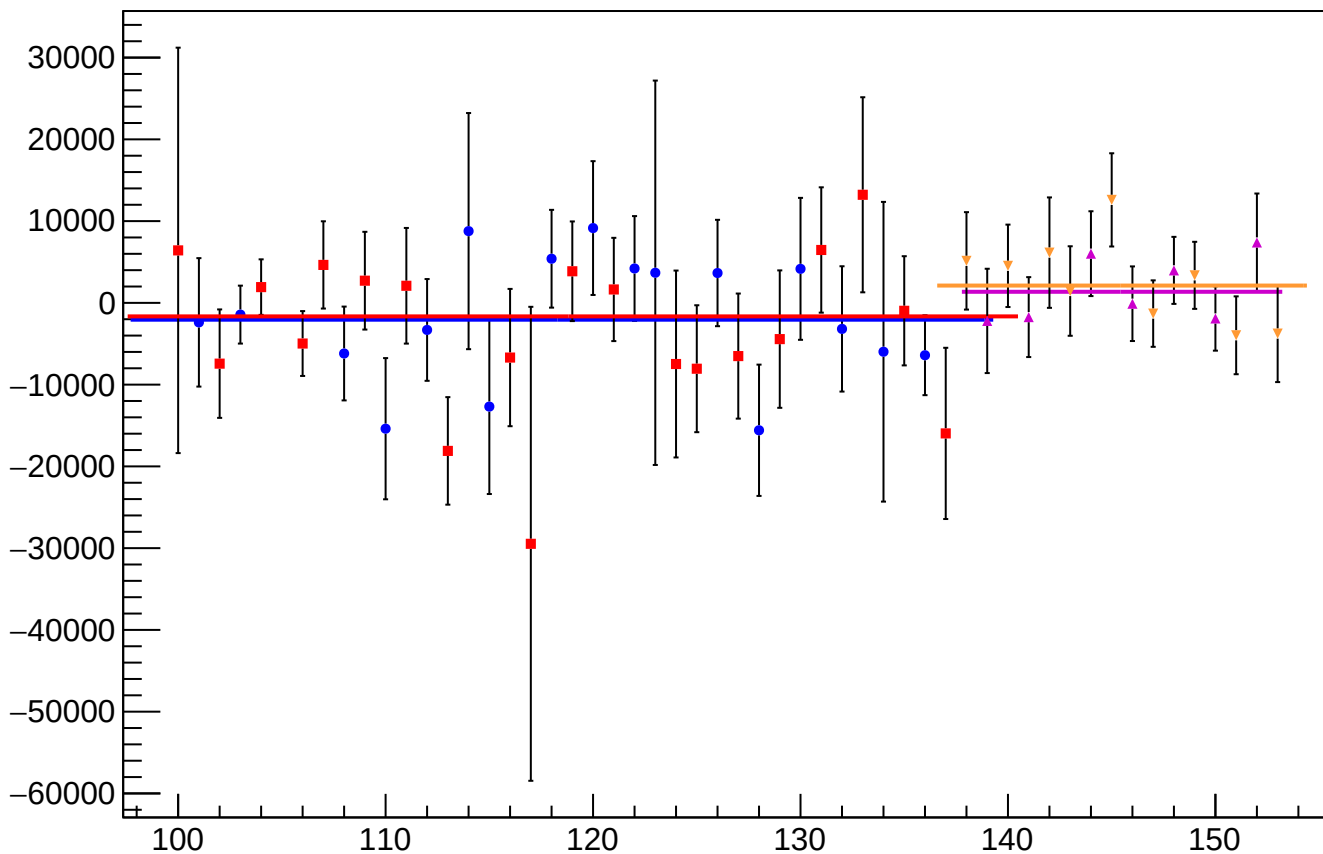
Left In: 1919.762 $\pm$ 0.567 χ^2 /NDF: 17109.1/6

1942.639 $\pm$ 0.383 χ^2 /NDF: 640246.7/25

1932.351 $\pm$ 0.271 χ^2 /NDF: 877304.4/52

1922.009 $\pm$ 0.384 χ^2 /NDF: 235608.7/26

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 2117.606 $\pm$ 1699.755 χ^2 /NDF: 7.7/8

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

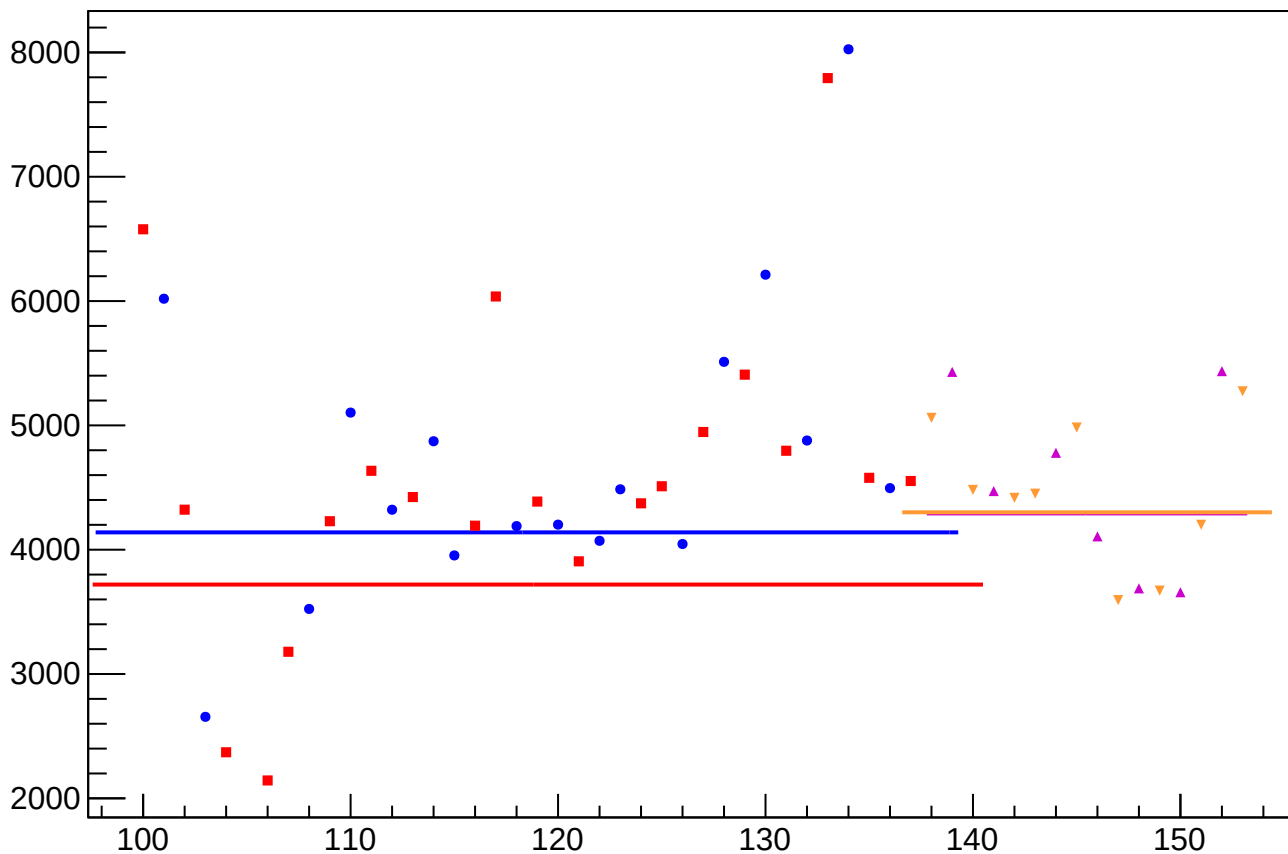
Left In: 1355.970 $\pm$ 1815.204 χ^2 /NDF: 3.7/6

-17.669 $\pm$ 1187.998 χ^2 /NDF: 24.7/25

-244.845 $\pm$ 824.401 χ^2 /NDF: 49.7/52

-455.857 $\pm$ 1144.952 χ^2 /NDF: 24.9/26

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4300.952+/-1.202 χ^2/NDF : 228071.6/8

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

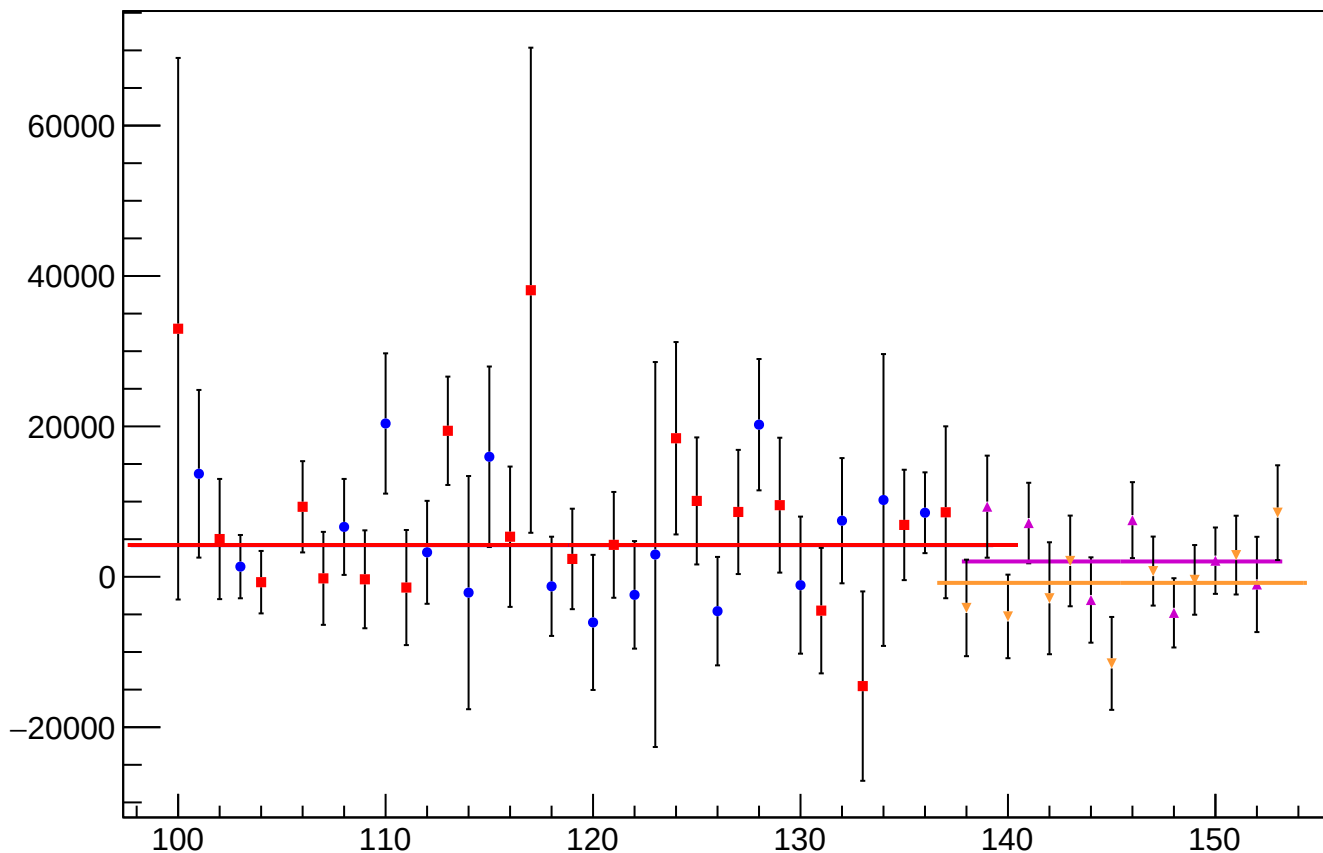
Left In: 4291.736+/-1.284 χ^2/NDF : 255534.4/6

4218.314+/-0.840 χ^2/NDF : 1050864.3/25

4077.753+/-0.583 χ^2/NDF : 2768710.5/52

3947.194+/-0.810 χ^2/NDF : 1663842.4/26

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: -806.898+/-1875.972 χ^2/NDF : 7.0/8

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

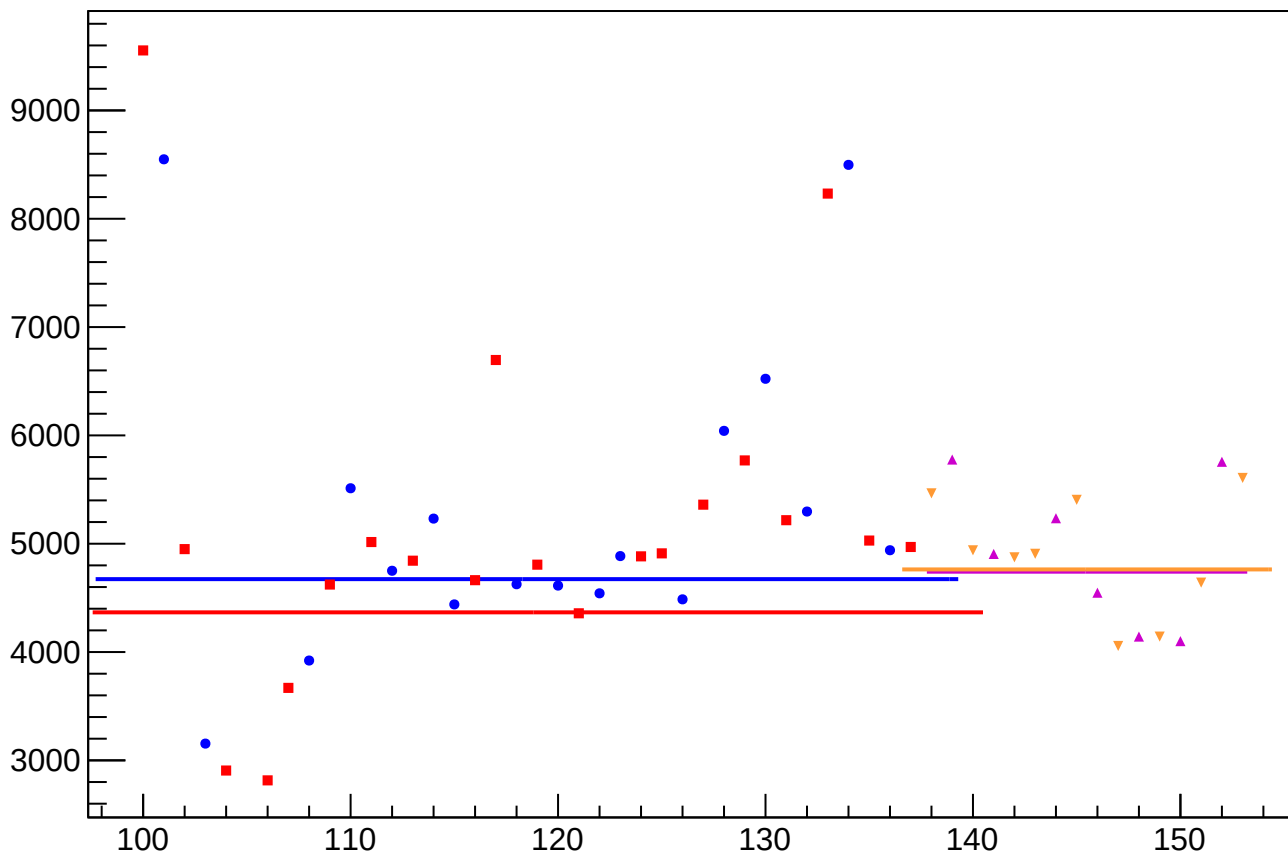
Left In: 2039.338+/-1998.959 χ^2/NDF : 6.5/6

1708.725+/-1324.859 χ^2/NDF : 25.0/25

2514.638+/-929.731 χ^2/NDF : 48.9/52

3296.622+/-1305.042 χ^2/NDF : 23.1/26

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 4762.662 $\pm$ 1.327 χ^2/NDF :169461.3/8

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

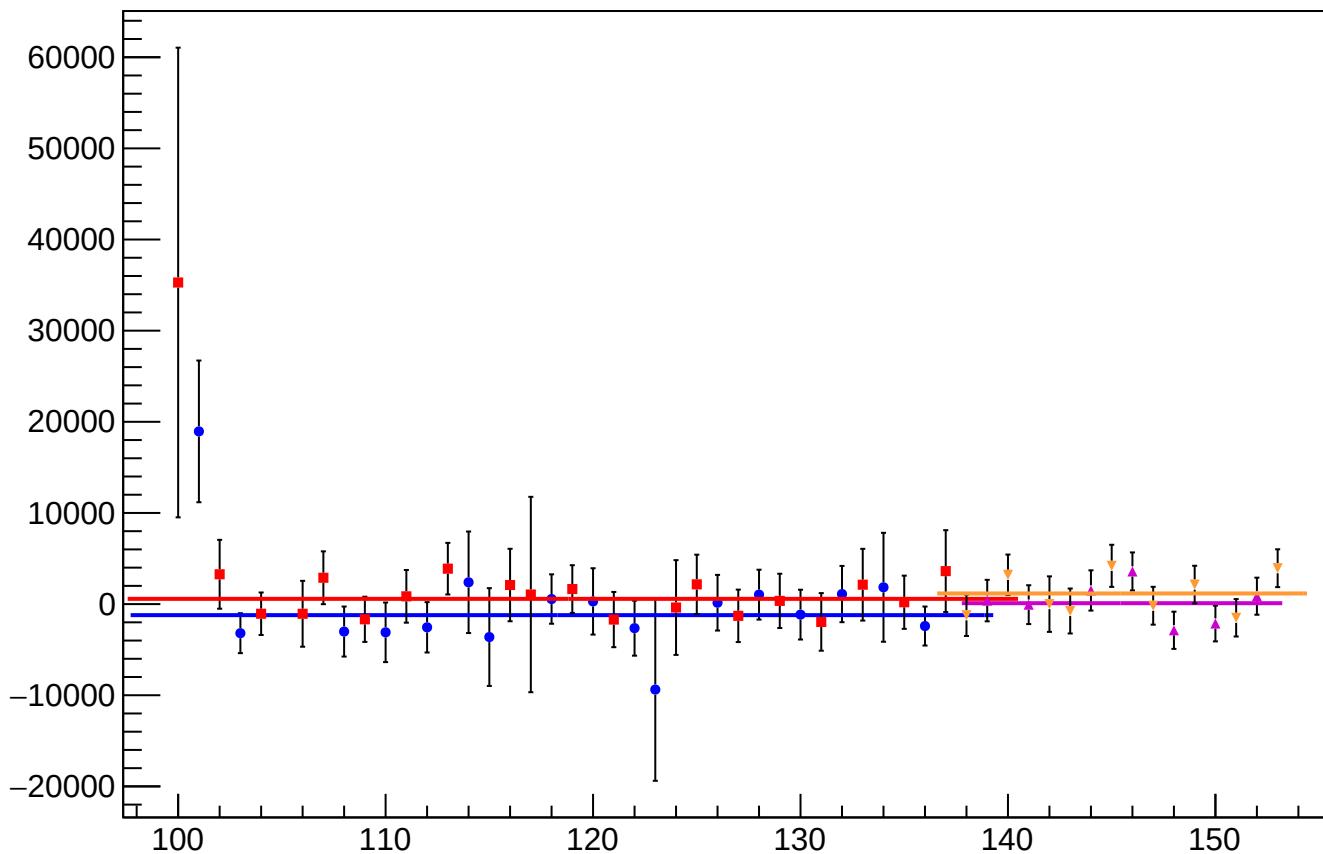
Left In: 4741.950 $\pm$ 1.413 χ^2/NDF :193866.4/6

4717.742 $\pm$ 0.937 χ^2/NDF : 949070.1/25

4619.814 $\pm$ 0.656 χ^2/NDF : 2047748.8/52

4525.423 $\pm$ 0.920 χ^2/NDF : 1077219.1/26

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1167.031+/-747.080 χ^2/NDF : 8.5/8

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

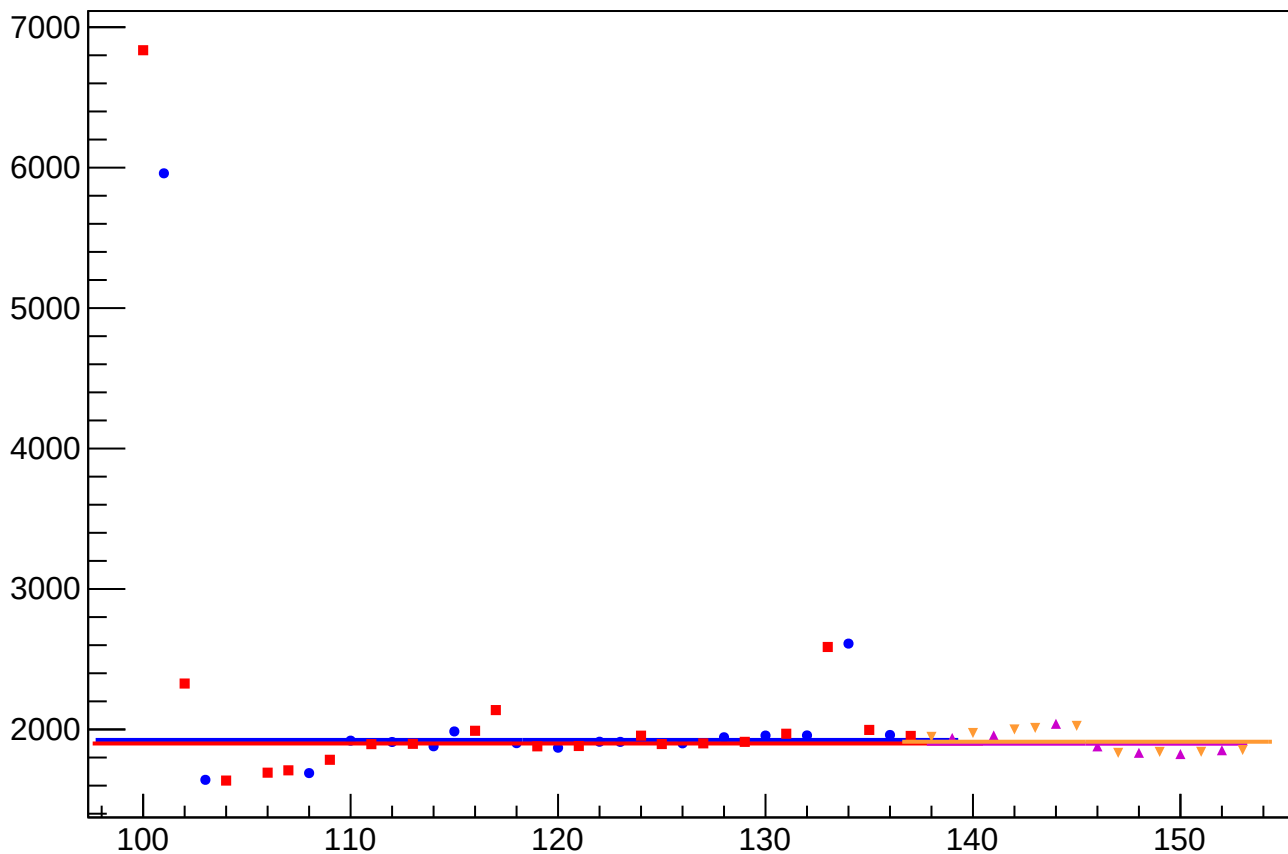
Left In: 99.747+/-793.032 χ^2/NDF : 6.8/6

6.565+/-534.589 χ^2/NDF : 26.2/25

181.446+/-378.750 χ^2/NDF : 42.0/52

357.699+/-536.683 χ^2/NDF : 15.7/26

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1912.523+/-0.528 χ^2/NDF : 21065.0/8

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

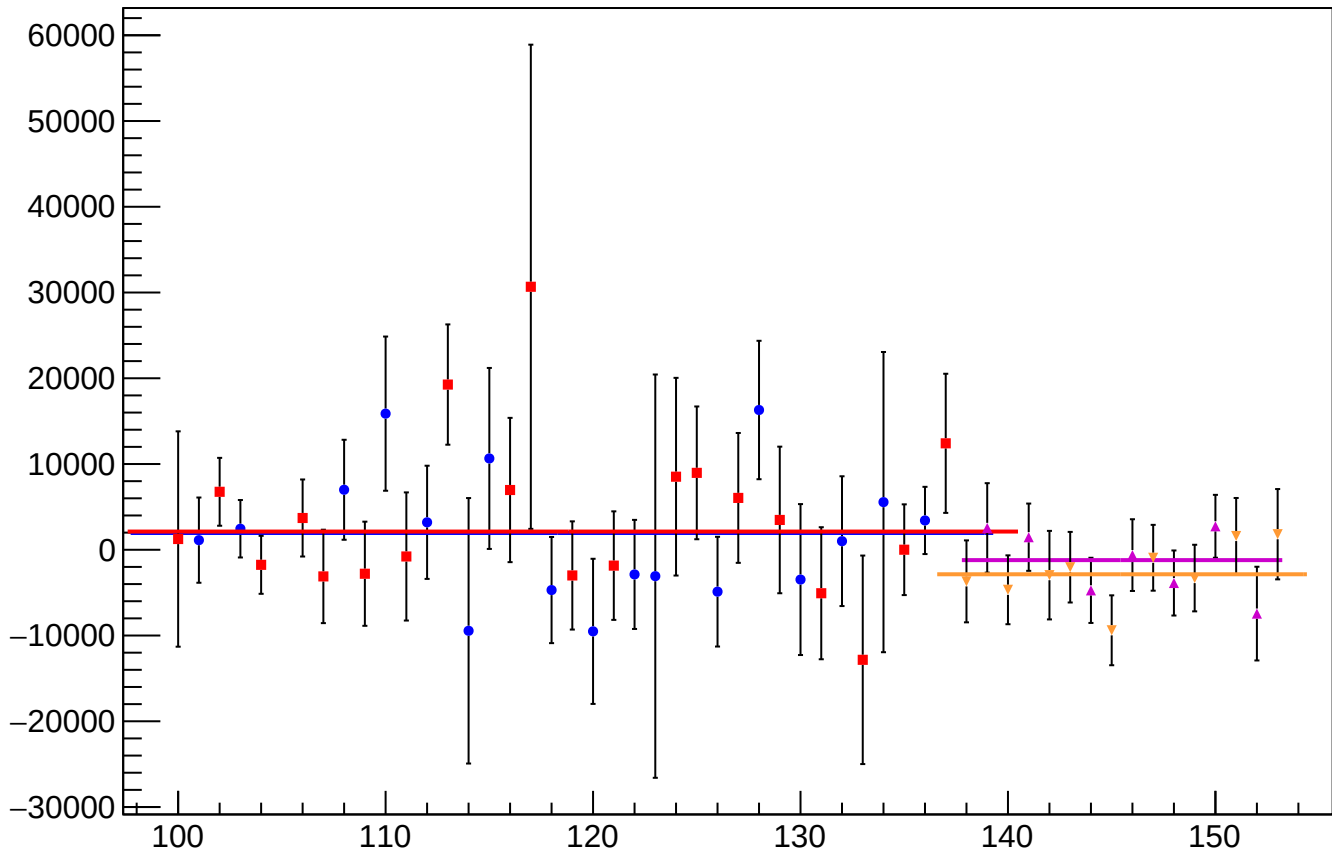
Left In: 1898.355+/-0.561 χ^2/NDF : 16446.8/6

1918.768+/-0.378 χ^2/NDF : 637215.0/25

1909.022+/-0.268 χ^2/NDF : 866864.3/52

1899.224+/-0.379 χ^2/NDF : 228316.3/26

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -2857.176 $\pm$ 1437.929 χ^2 /NDF: 4.9/8

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

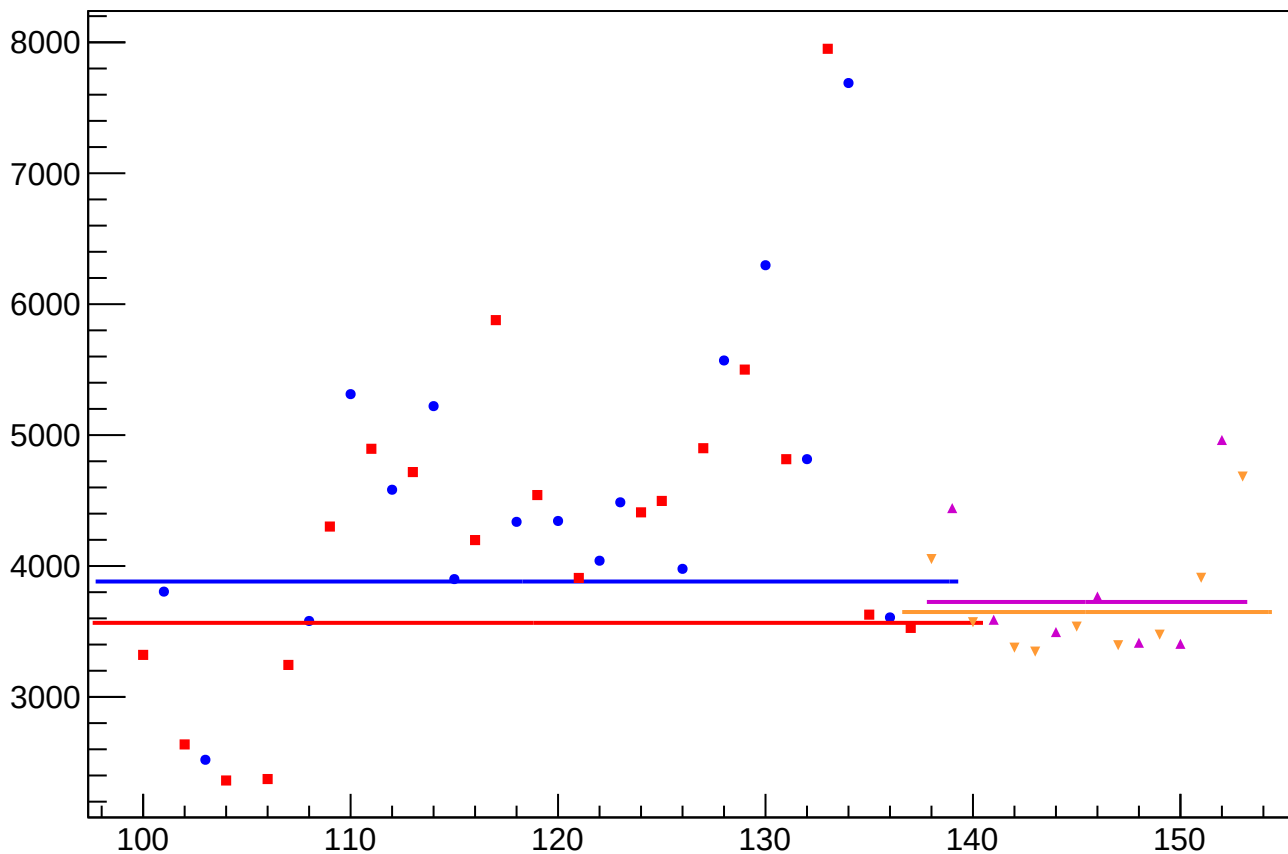
Left In: -1206.468 $\pm$ 1570.319 χ^2 /NDF: 4.8/6

-639.992 $\pm$ 1056.309 χ^2 /NDF: 23.0/25

1.605 $\pm$ 744.649 χ^2 /NDF: 49.5/52

635.448 $\pm$ 1049.907 χ^2 /NDF: 25.8/26

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3648.604 $\pm$ 1.017 χ^2 /NDF: 129785.9/8

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

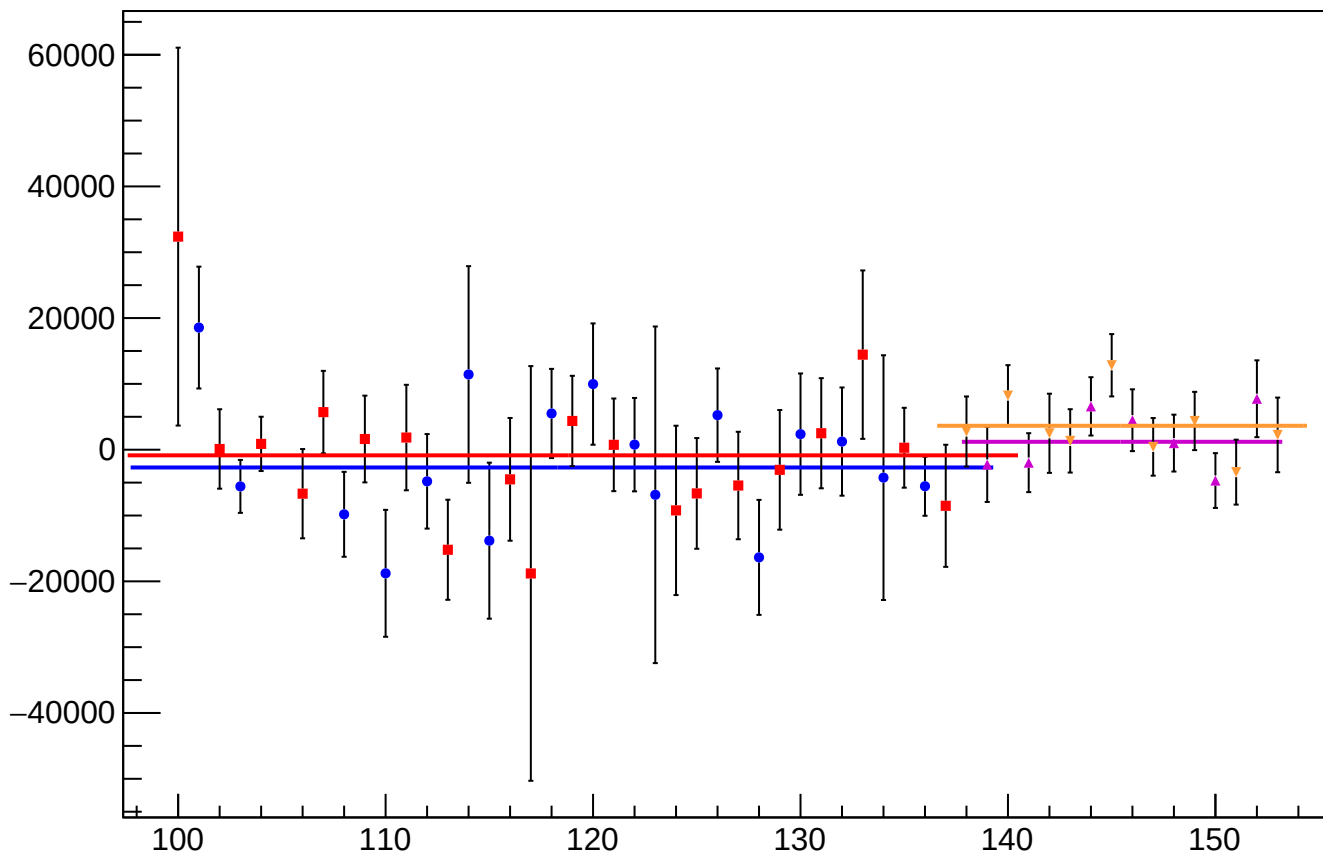
Left In: 3725.411 $\pm$ 1.110 χ^2 /NDF: 178897.9/6

3755.855 $\pm$ 0.747 χ^2 /NDF: 971421.6/25

3696.155 $\pm$ 0.527 χ^2 /NDF: 2429411.2/52

3637.178 $\pm$ 0.742 χ^2 /NDF: 1445290.1/26

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 3636.865 $\pm$ 1637.646 χ^2/NDF : 7.7/8

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

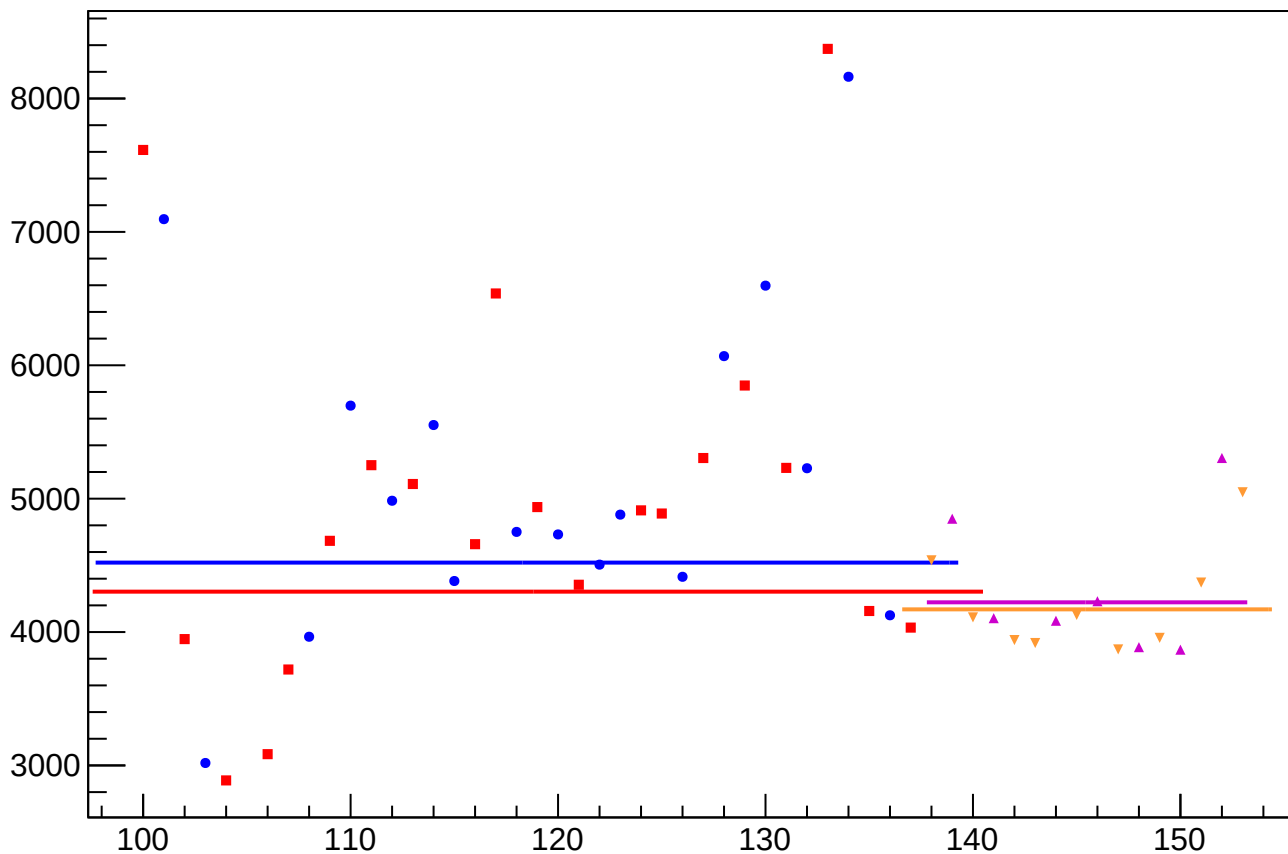
Left In: 1200.938 $\pm$ 1774.188 χ^2/NDF : 6.1/6

782.480 $\pm$ 1214.079 χ^2/NDF : 34.2/25

453.838 $\pm$ 861.586 χ^2/NDF : 53.0/52

120.401 $\pm$ 1222.903 χ^2/NDF : 18.7/26

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4170.111 $\pm$ 1.158 χ^2 /NDF: 83749.4/8

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

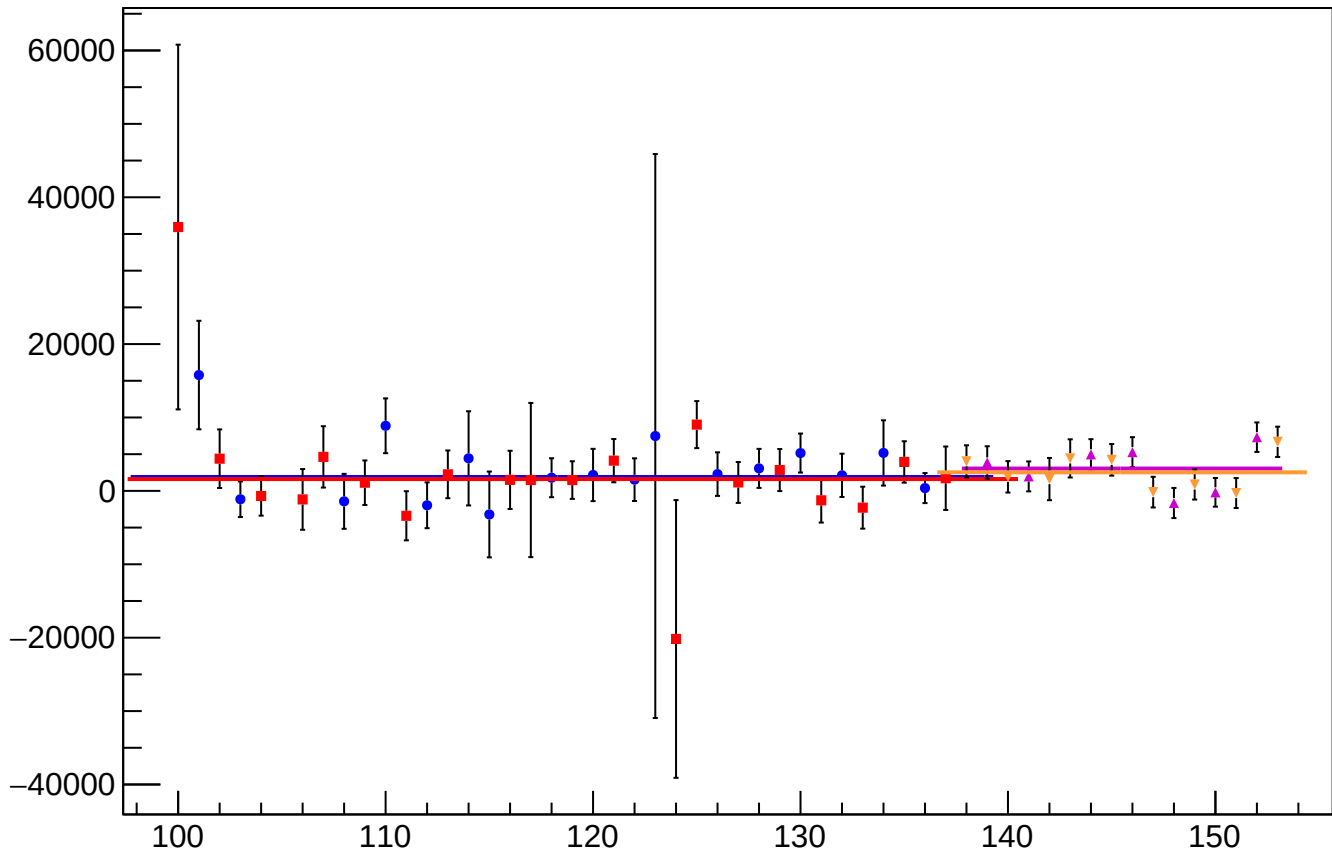
Left In: 4222.876 $\pm$ 1.255 χ^2 /NDF: 122971.8/6

4328.006 $\pm$ 0.858 χ^2 /NDF: 895916.6/25

4296.688 $\pm$ 0.608 χ^2 /NDF: 1805594.4/52

4265.098 $\pm$ 0.862 χ^2 /NDF: 907004.5/26

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2527.766 $\pm$ 734.426 χ^2 /NDF:10.1/8

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

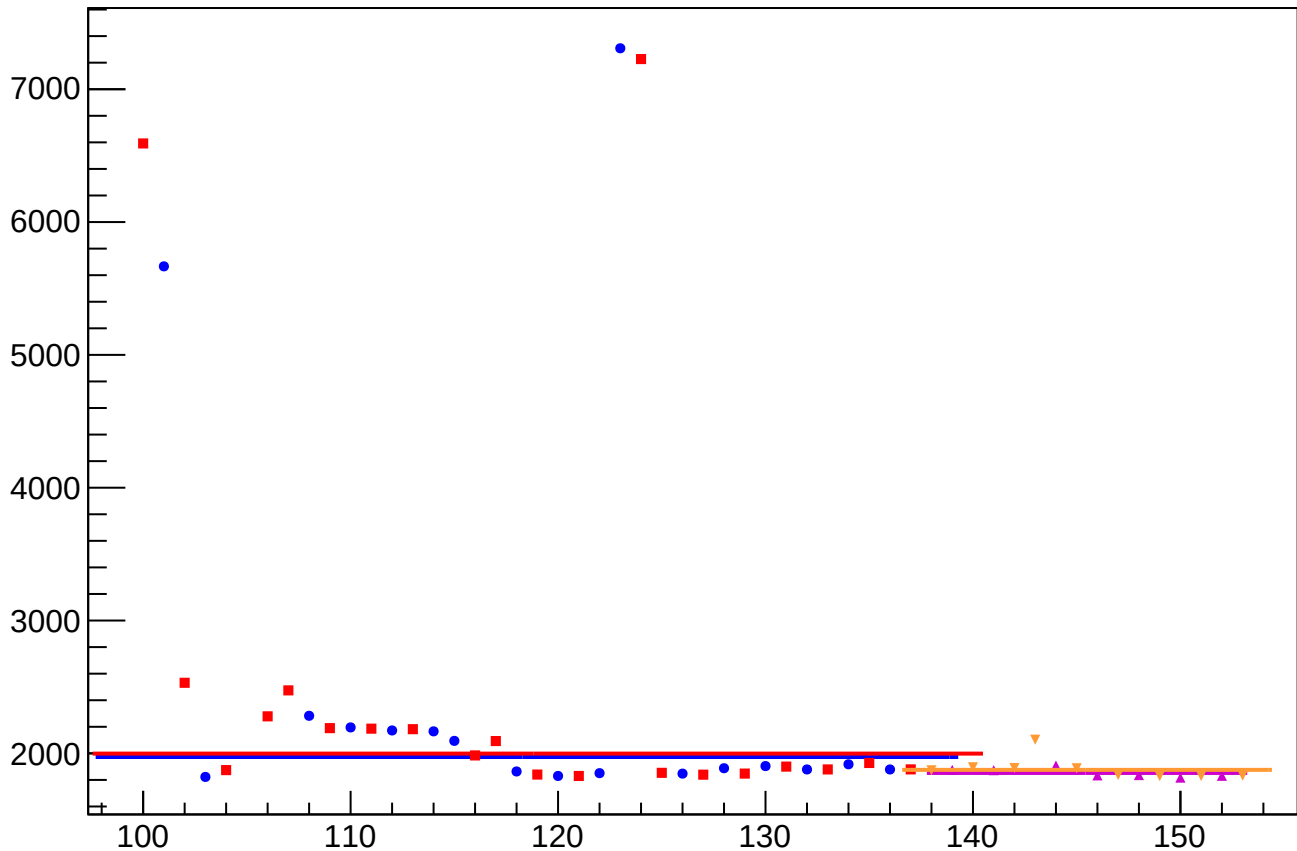
Left In: 3039.719 $\pm$ 774.926 χ^2 /NDF:15.0/6

2228.638 $\pm$ 535.931 χ^2 /NDF: 25.1/25

2270.847 $\pm$ 381.776 χ^2 /NDF: 59.3/52

2314.335 $\pm$ 543.984 χ^2 /NDF: 34.2/26

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1875.675+/-0.519 χ^2/NDF : 19221.7/8

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

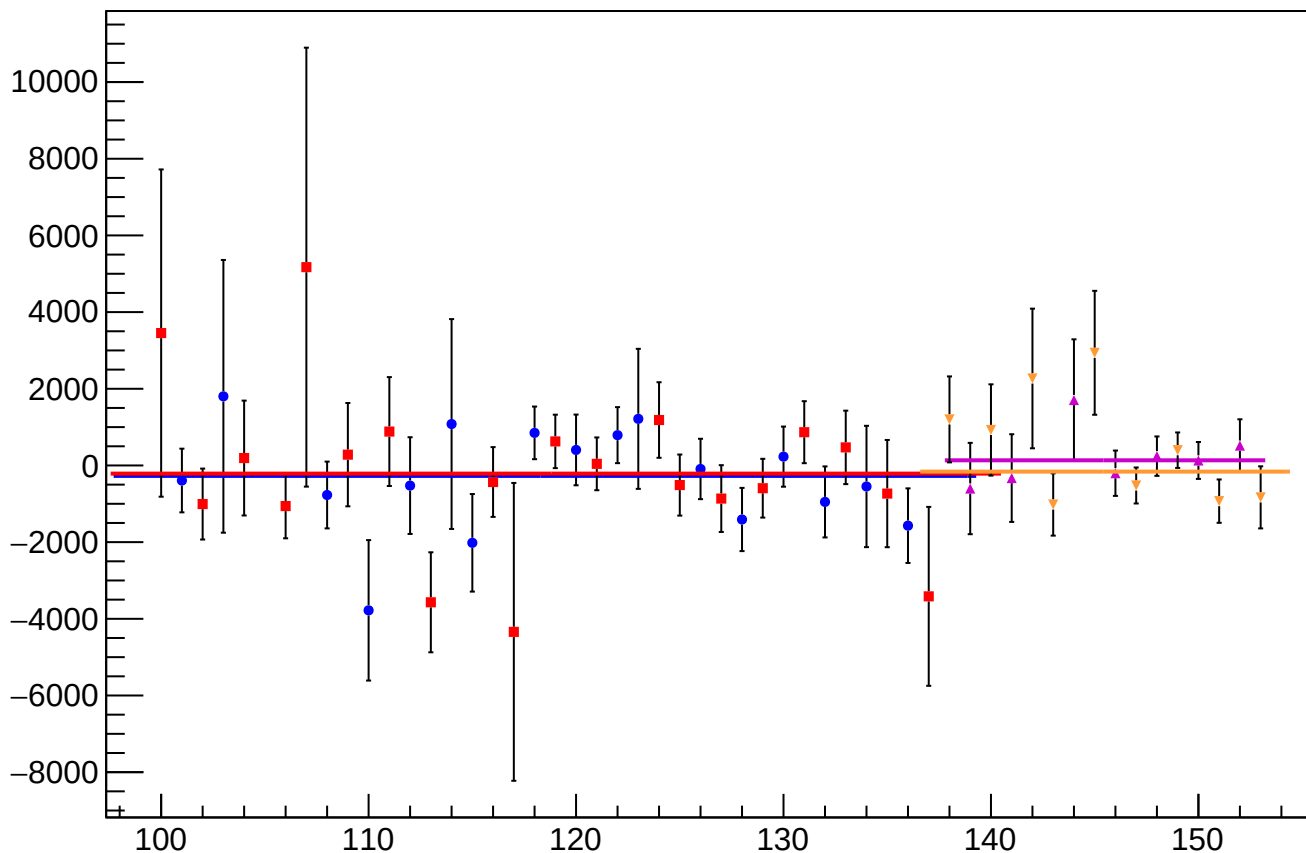
Left In: 1852.565+/-0.548 χ^2/NDF : 3041.5/6

1920.933+/-0.379 χ^2/NDF : 636337.2/25

1923.630+/-0.270 χ^2/NDF : 1031021.4/52

1926.409+/-0.385 χ^2/NDF : 394581.4/26

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -160.283+/-238.589 χ^2/NDF : 13.5/8

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

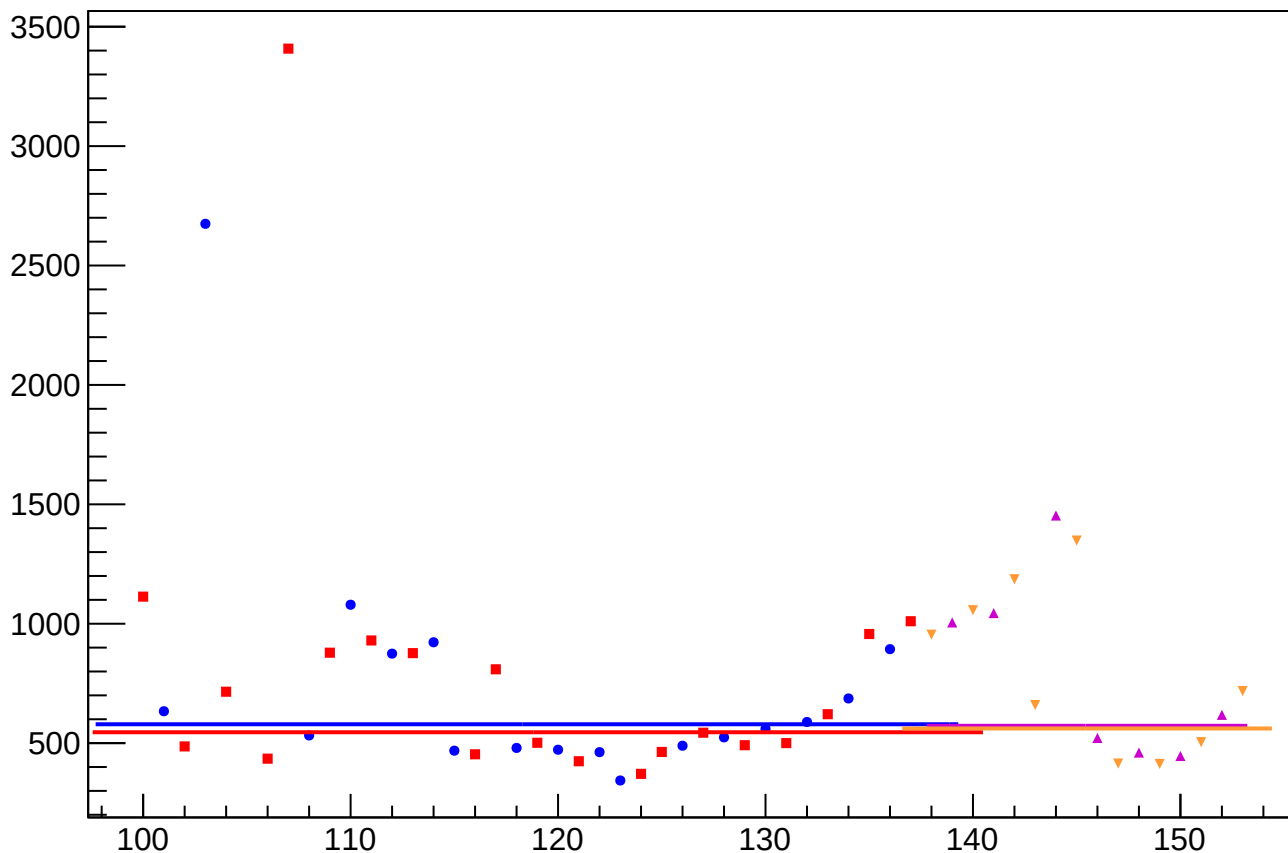
Left In: 134.185+/-258.575 χ^2/NDF : 2.2/6

-215.650+/-169.279 χ^2/NDF : 30.8/25

-139.004+/-120.401 χ^2/NDF : 55.3/52

-60.534+/-171.283 χ^2/NDF : 24.1/26

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 561.390 $\pm$ 0.169 χ^2 /NDF: 1827658.9/8

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

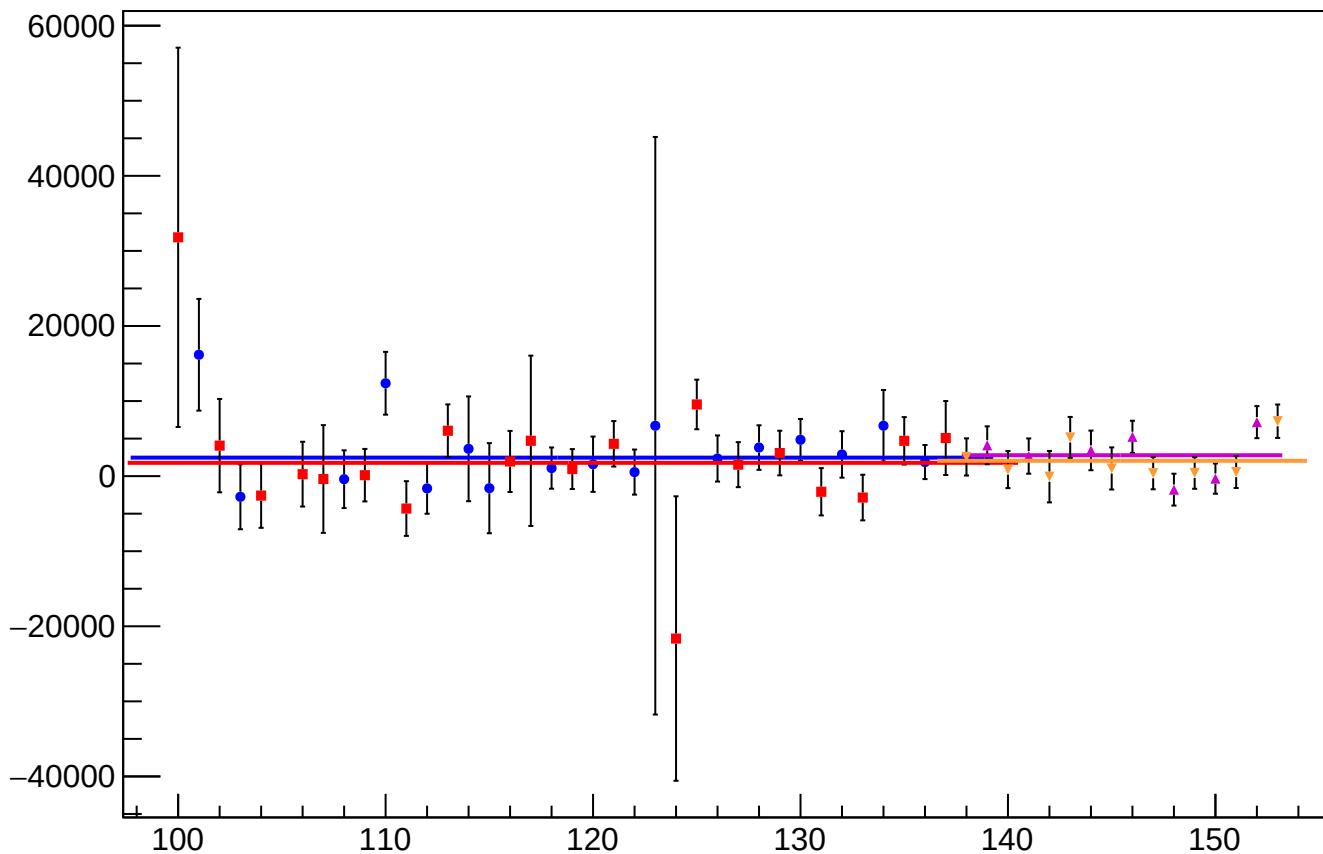
Left In: 572.504 $\pm$ 0.183 χ^2 /NDF: 1480550.7/6

570.140 $\pm$ 0.120 χ^2 /NDF: 3255224.5/25

563.845 $\pm$ 0.085 χ^2 /NDF: 6220572.6/52

557.399 $\pm$ 0.121 χ^2 /NDF: 2959749.8/26

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2046.271 $\pm$ 805.469 χ^2/NDF : 9.4/8

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

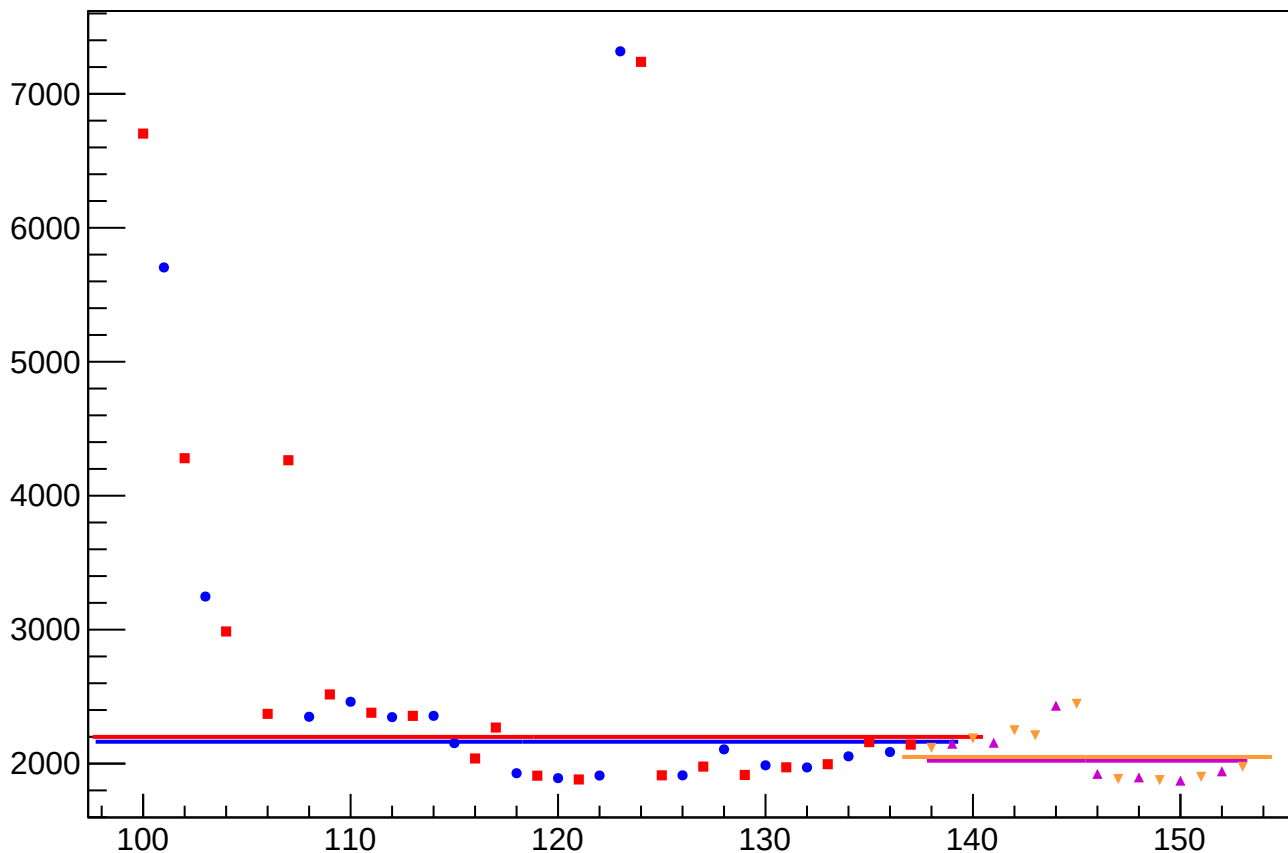
Left In: 2782.264 $\pm$ 848.901 χ^2/NDF : 13.0/6

2240.737 $\pm$ 588.904 χ^2/NDF : 25.0/25

2259.486 $\pm$ 420.618 χ^2/NDF : 59.3/52

2279.010 $\pm$ 600.965 χ^2/NDF : 34.2/26

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2049.579+/-0.570 χ^2/NDF : 98719.3/8

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

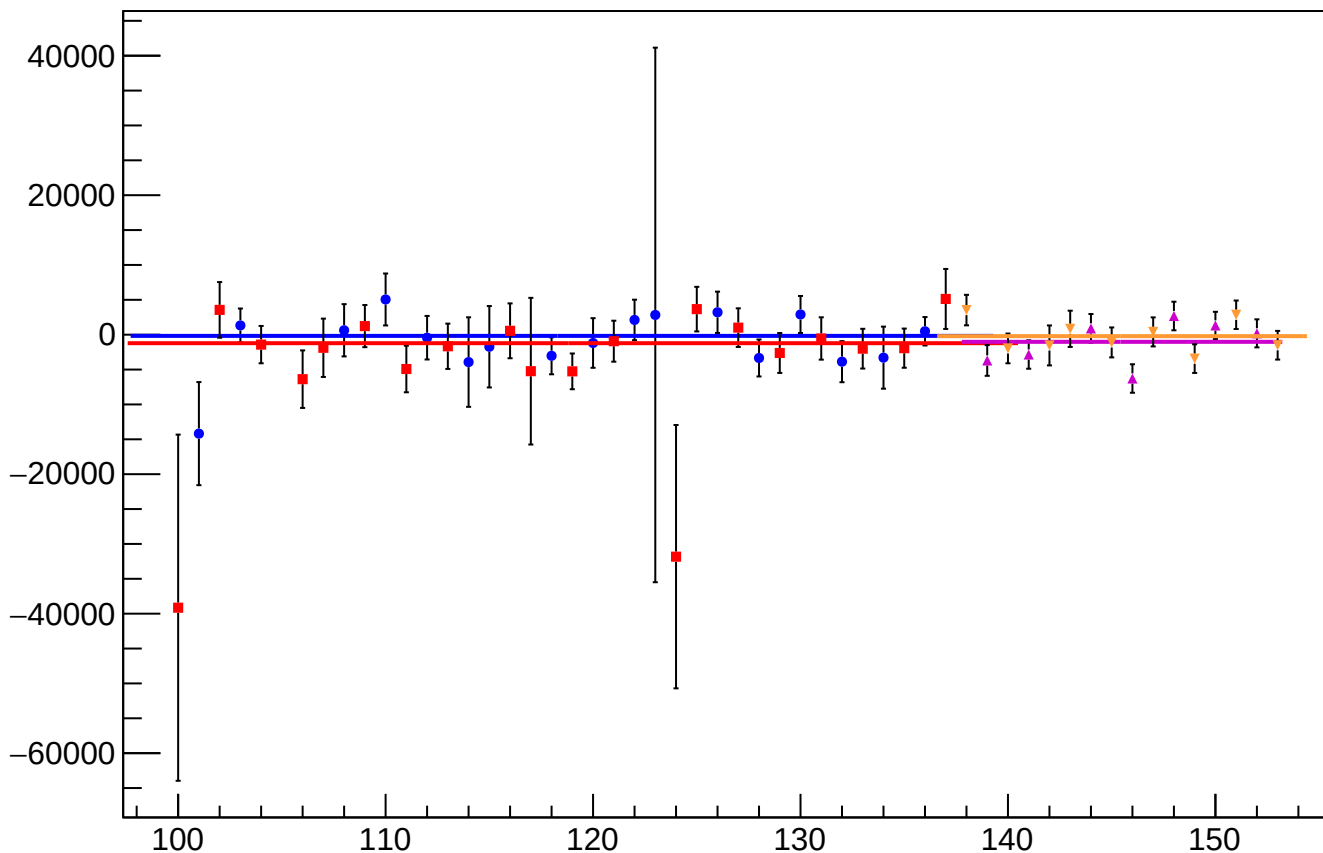
Left In: 2021.834+/-0.600 χ^2/NDF : 84769.4/6

2102.511+/-0.416 χ^2/NDF : 826860.7/25

2106.380+/-0.297 χ^2/NDF : 1758828.9/52

2110.409+/-0.425 χ^2/NDF : 931792.1/26

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -210.692+/-733.068 χ^2 /NDF: 9.4/8

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

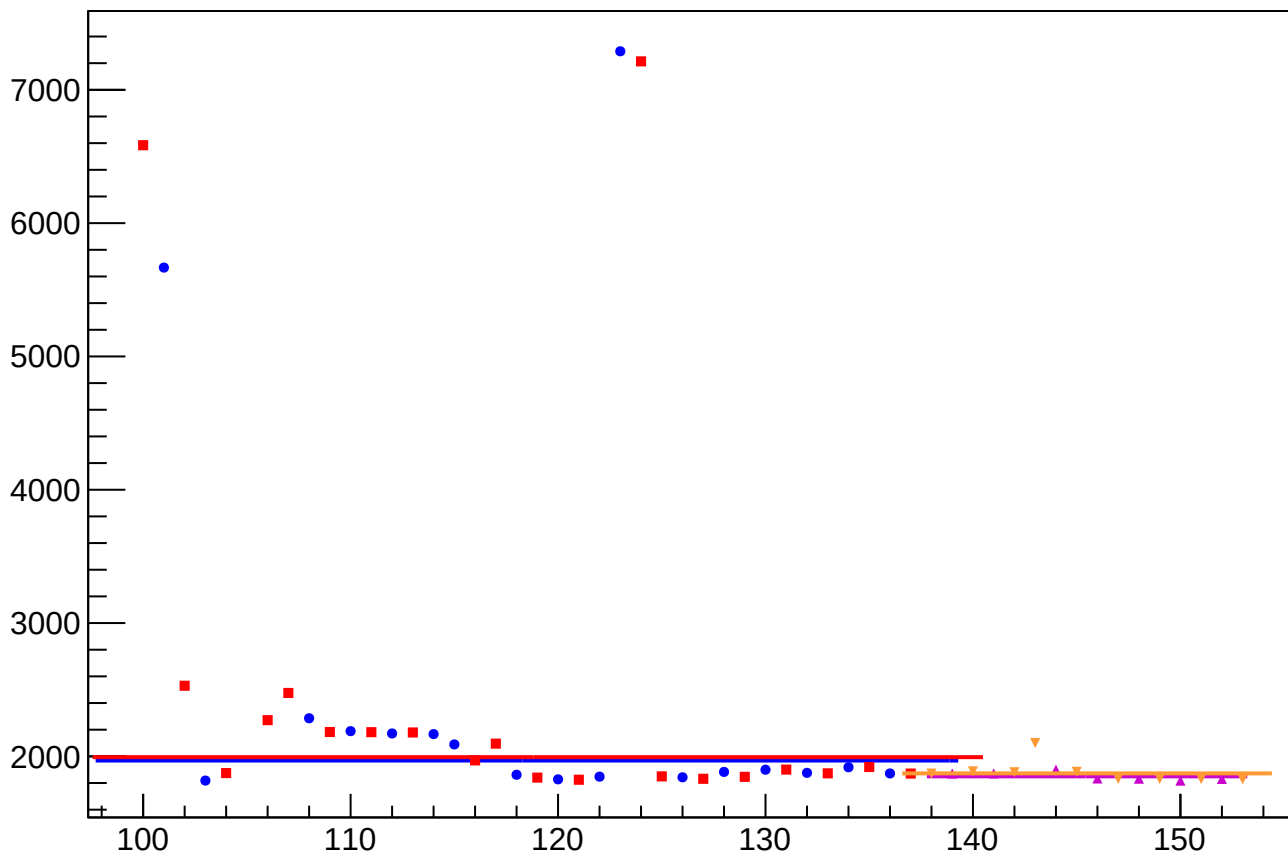
Left In: -1023.874+/-773.935 χ^2 /NDF: 14.8/6

-191.833+/-534.943 χ^2 /NDF: 23.9/25

-650.293+/-381.104 χ^2 /NDF: 58.6/52

-1122.797+/-543.074 χ^2 /NDF: 33.2/26

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1872.187+/-0.518 χ^2/NDF : 18998.2/8

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

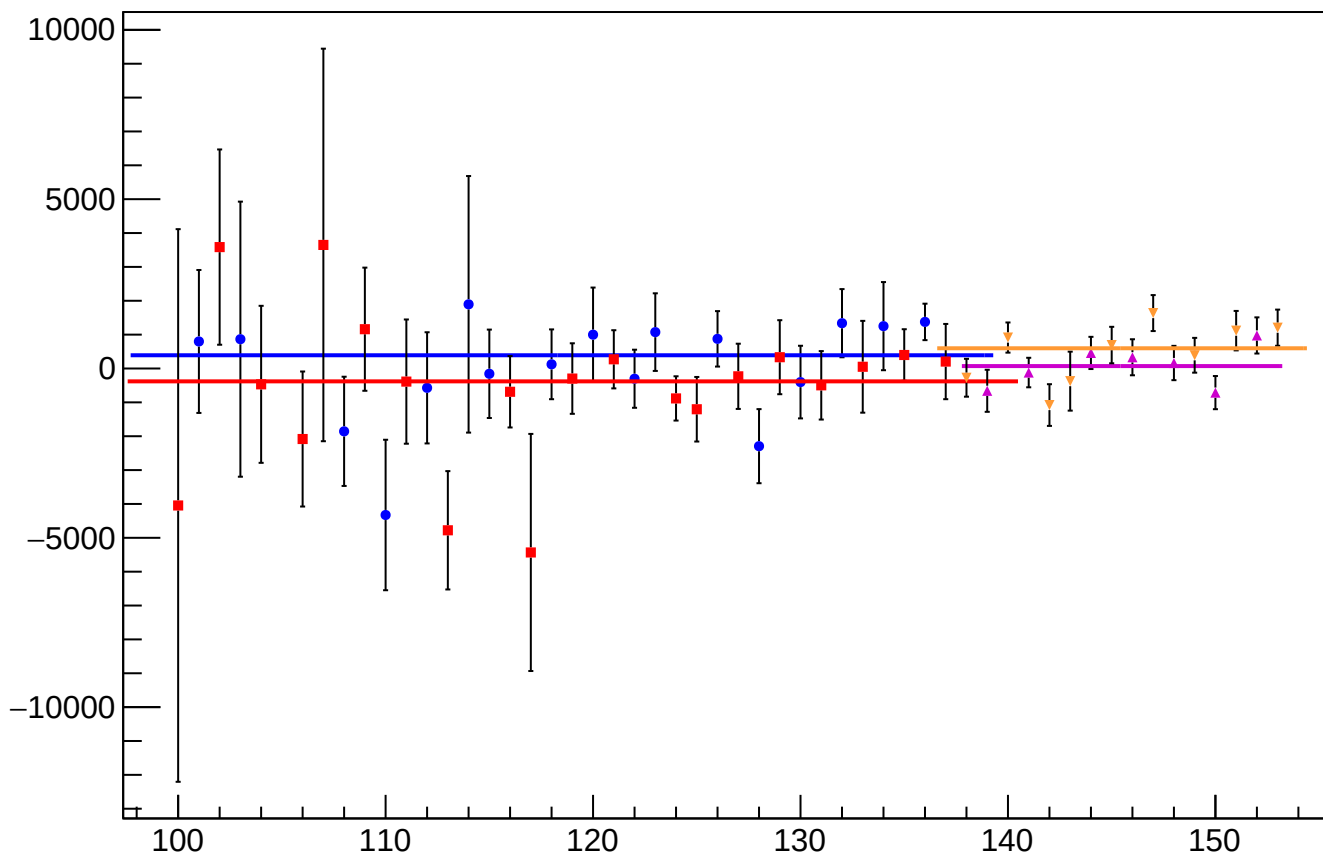
Left In: 1850.238+/-0.547 χ^2/NDF : 2603.2/6

1917.275+/-0.378 χ^2/NDF : 638154.7/25

1920.189+/-0.269 χ^2/NDF : 1032247.2/52

1923.192+/-0.384 χ^2/NDF : 393972.0/26

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 597.194 $\pm$ 184.329 χ^2/NDF : 17.7/8

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

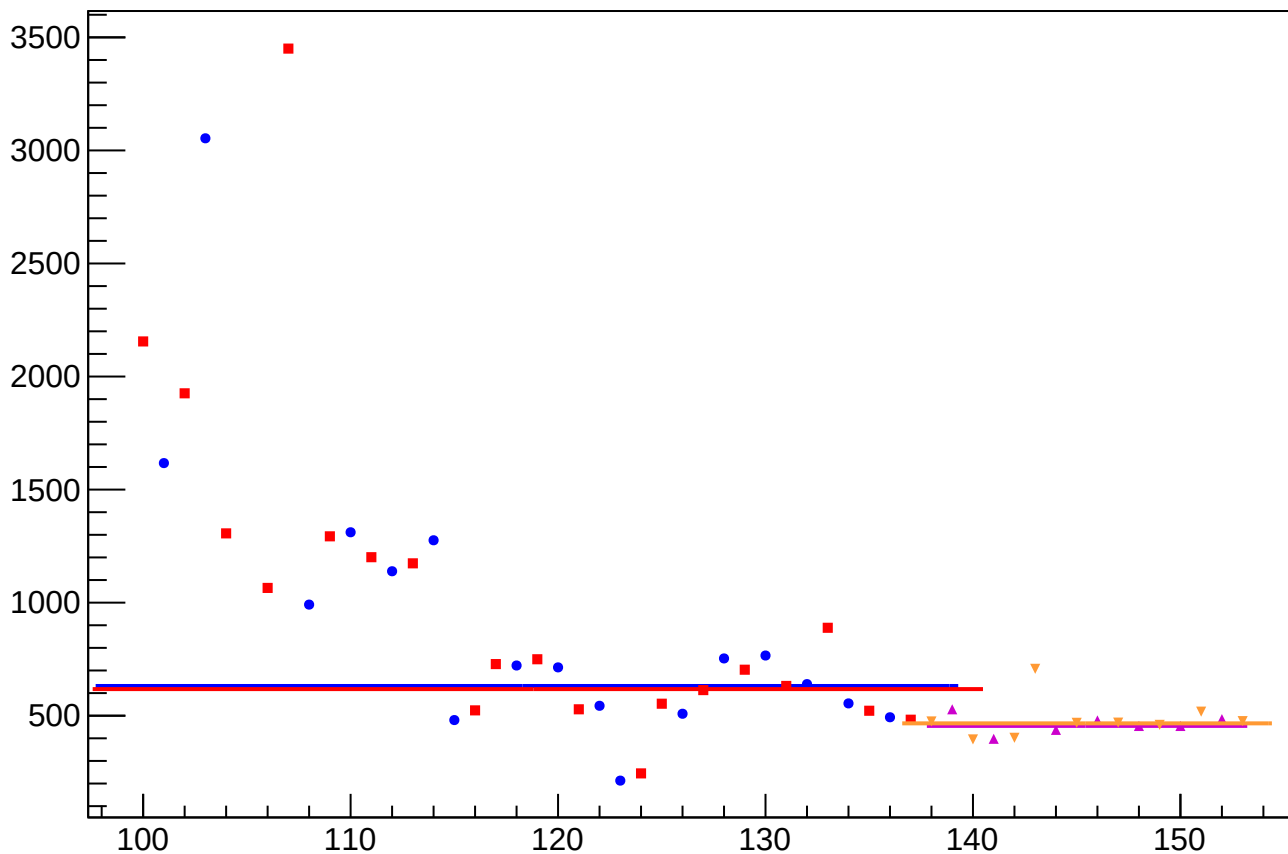
Left In: 71.308 $\pm$ 191.049 χ^2/NDF : 7.9/6

531.661 $\pm$ 152.258 χ^2/NDF : 38.1/25

230.028 $\pm$ 108.633 χ^2/NDF : 72.3/52

-82.728 $\pm$ 155.040 χ^2/NDF : 26.2/26

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 466.149 $\pm$ 0.130 χ^2 /NDF: 243113.9/8

Right Out: 617.675 $\pm$ 0.188 χ^2 /NDF: 2804158.4/19

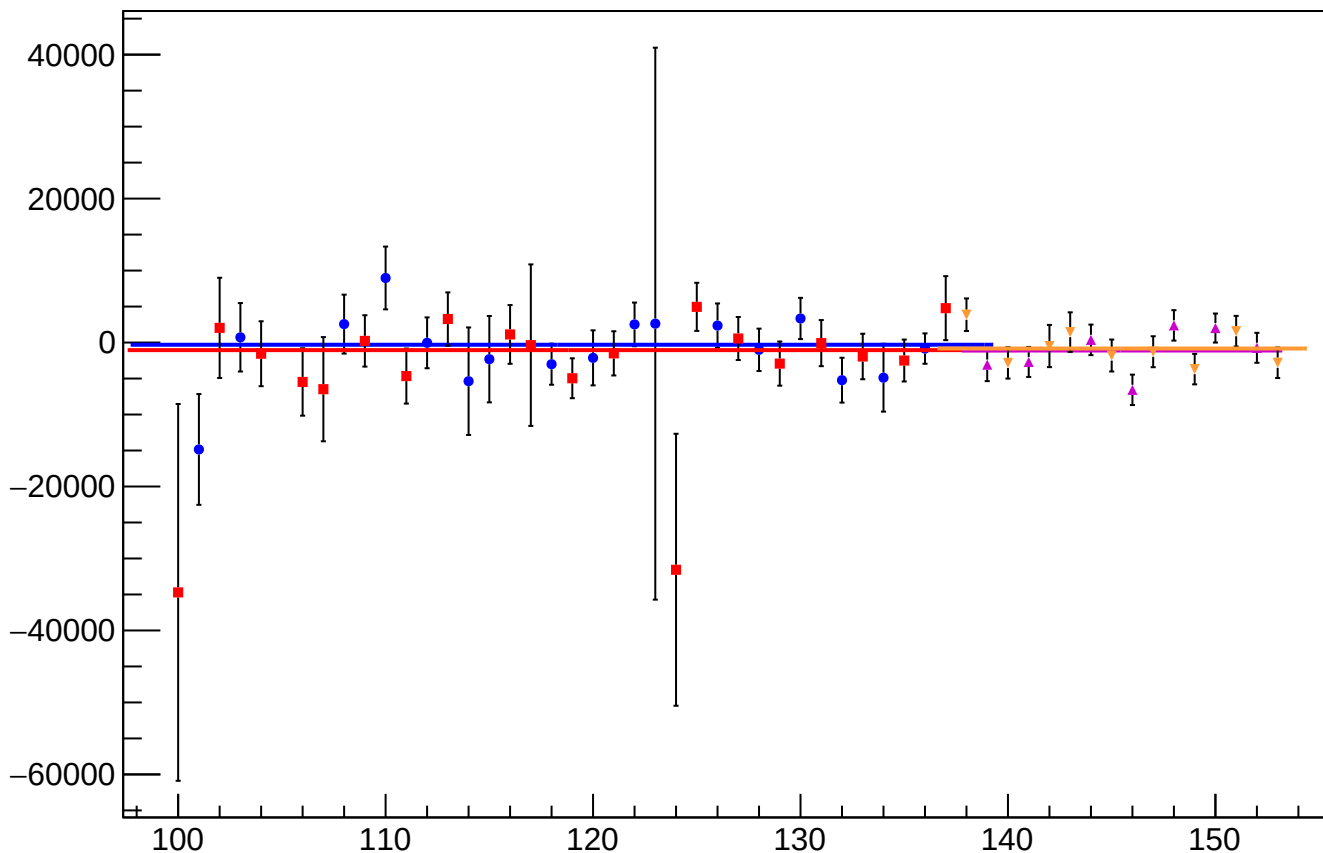
Left In: 454.959 $\pm$ 0.135 χ^2 /NDF: 75428.3/6

518.659 $\pm$ 0.108 χ^2 /NDF: 3014670.9/25

514.661 $\pm$ 0.077 χ^2 /NDF: 6392415.1/52

510.516 $\pm$ 0.110 χ^2 /NDF: 3374935.4/26

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -828.251+/-758.522 χ^2/NDF : 10.0/8

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

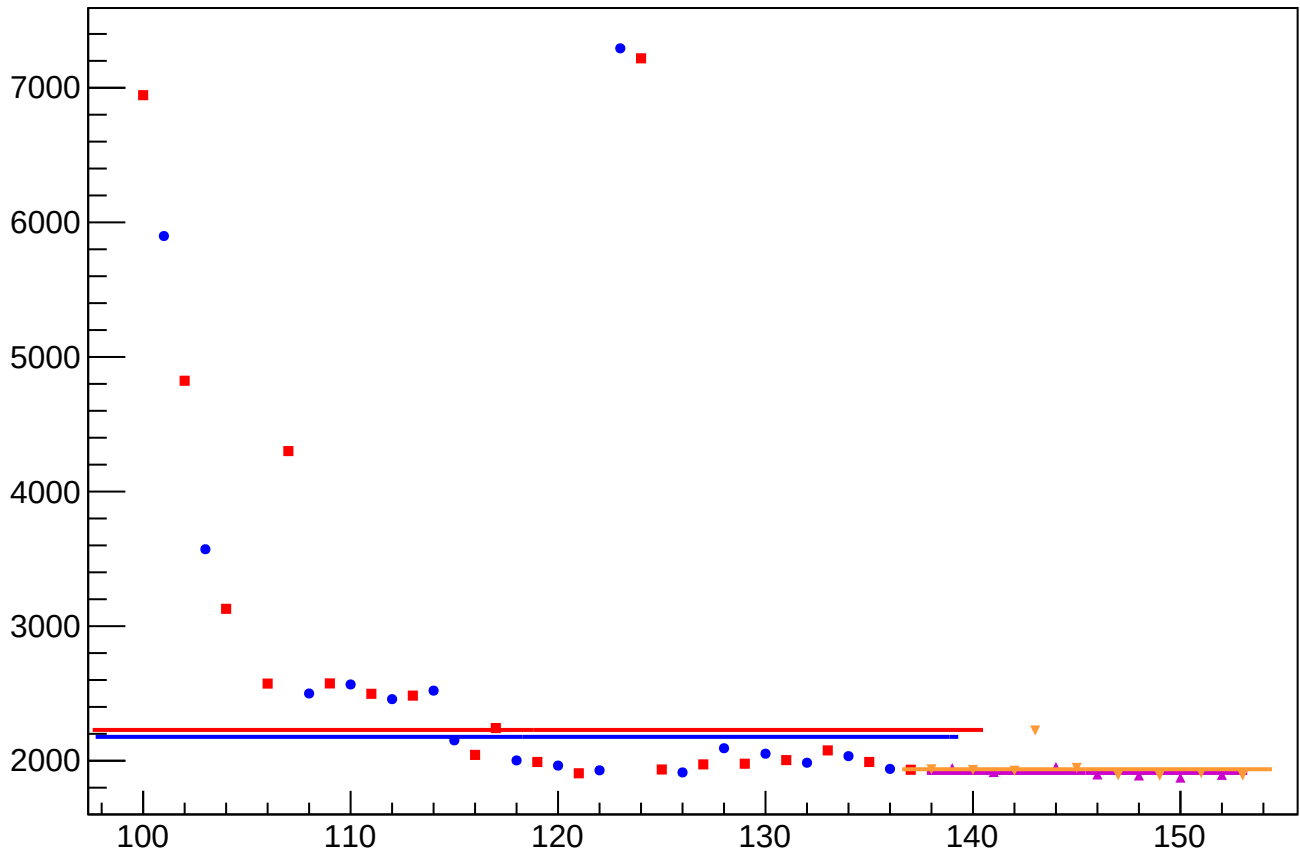
Left In: -1105.721+/-798.646 χ^2/NDF : 13.6/6

-603.150+/-572.278 χ^2/NDF : 27.4/25

-836.271+/-409.680 χ^2/NDF : 58.0/52

-1081.326+/-586.743 χ^2/NDF : 30.3/26

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1937.009+/-0.536 χ^2/NDF : 25267.9/8

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

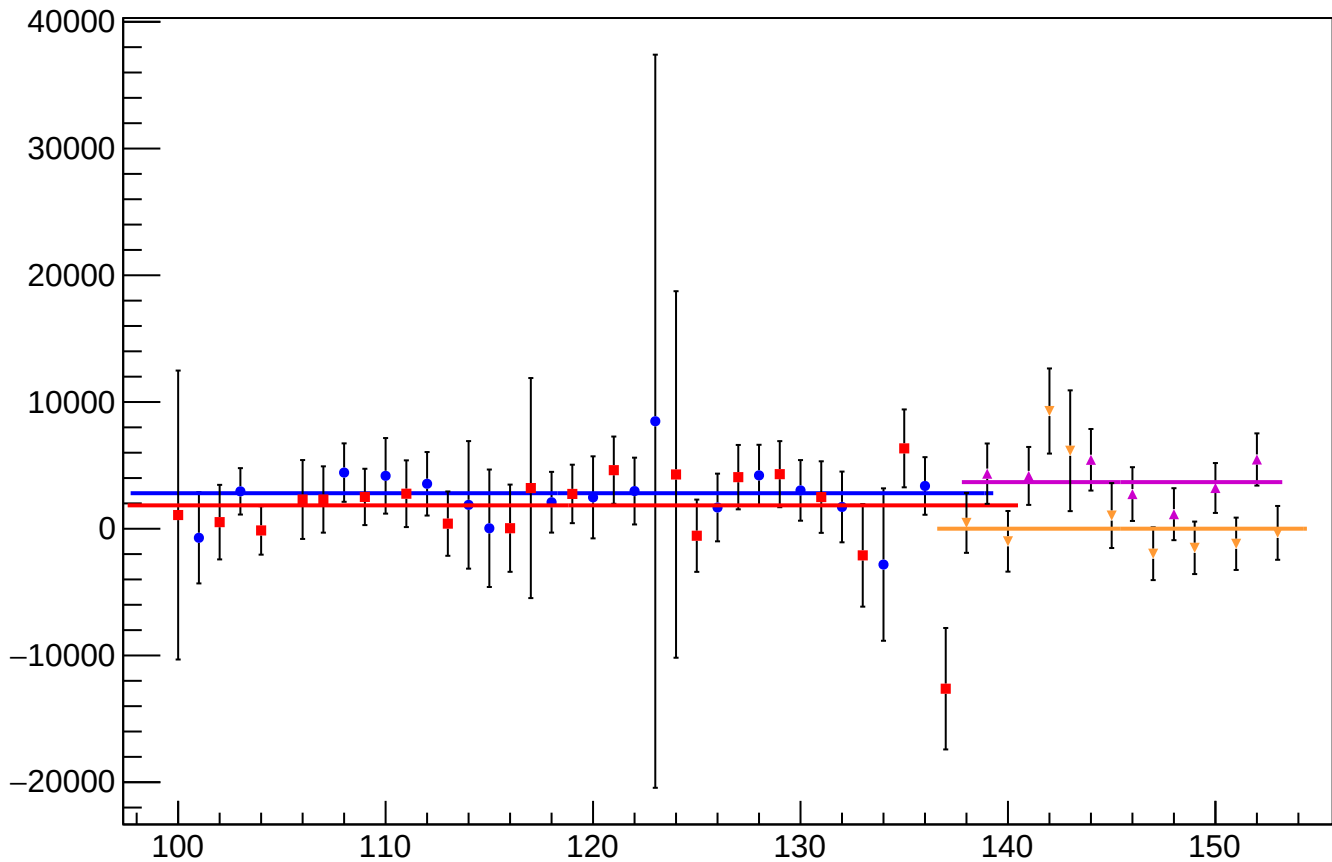
Left In: 1909.507+/-0.565 χ^2/NDF : 2319.2/6

2040.585+/-0.405 χ^2/NDF : 914672.4/25

2048.393+/-0.290 χ^2/NDF : 1960970.9/52

2056.601+/-0.415 χ^2/NDF : 1045534.9/26

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 4.176 $\pm$ 800.948 χ^2 /NDF:11.5/8

Right Out: 1844.945 $\pm$ 653.448 χ^2 /NDF: 18.1/19

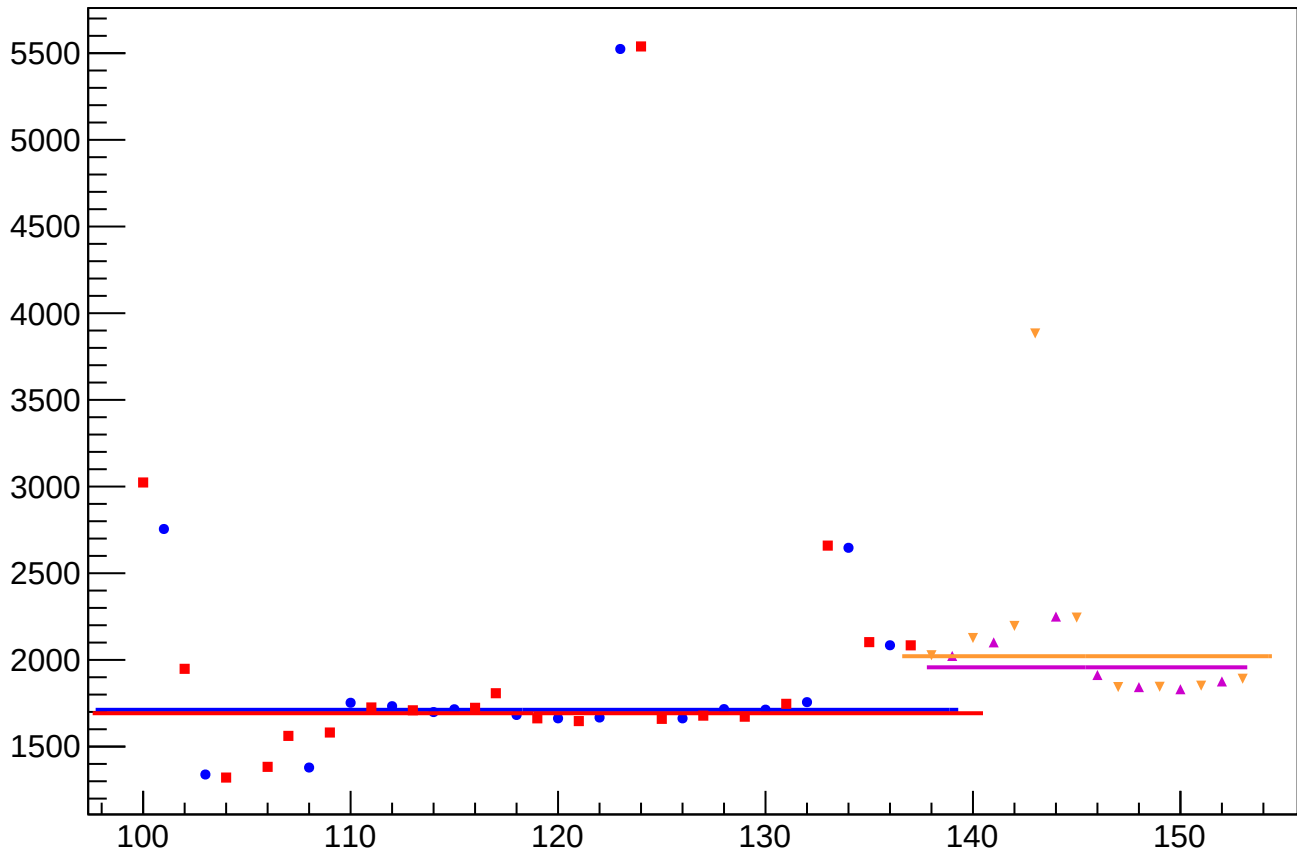
Left In: 3679.479 $\pm$ 819.030 χ^2 /NDF:3.2/6

1634.096 $\pm$ 517.732 χ^2 /NDF: 22.5/25

2102.527 $\pm$ 363.615 χ^2 /NDF: 48.4/52

2558.493 $\pm$ 510.797 χ^2 /NDF: 24.3/26

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 2021.313+/-0.566 χ^2/NDF : 379881.8/8

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

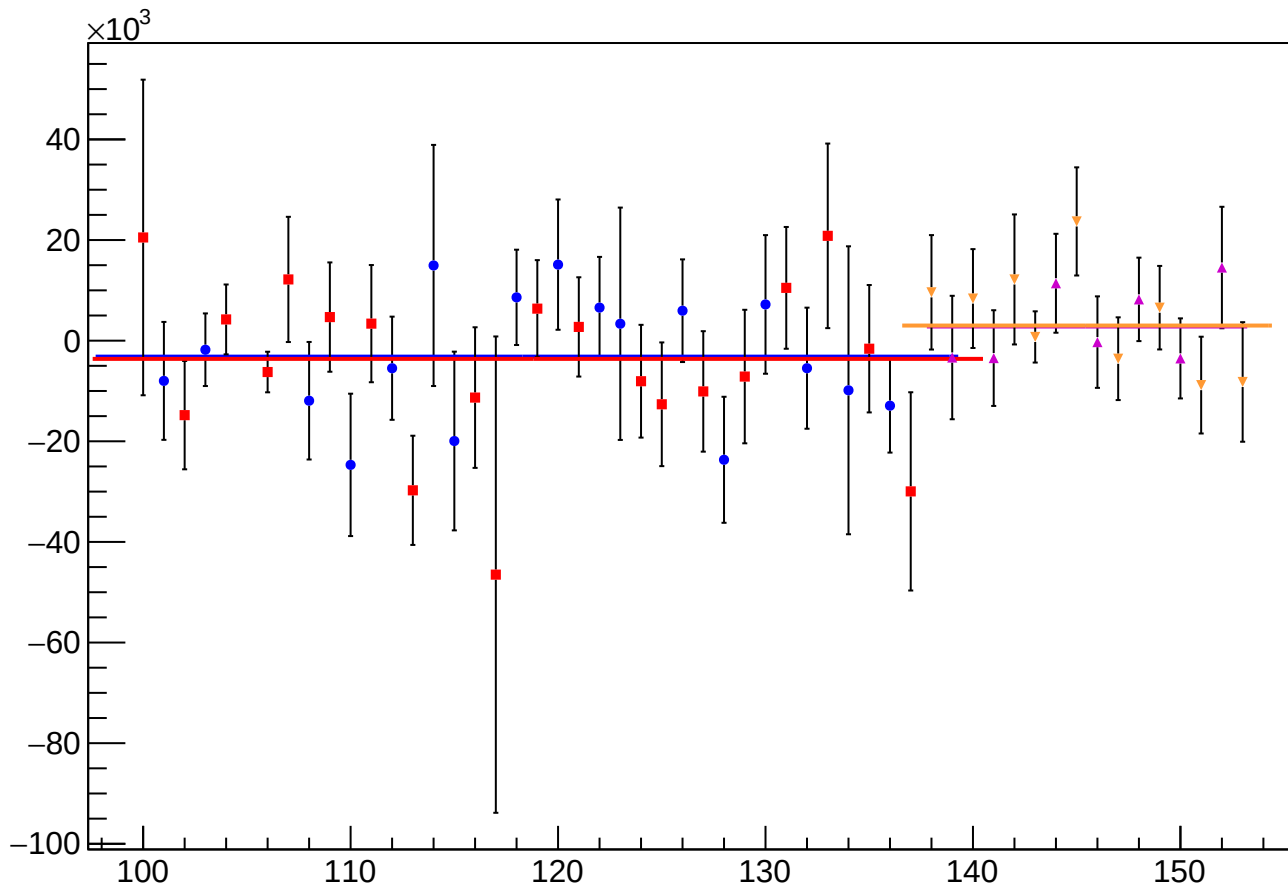
Left In: 1957.282+/-0.579 χ^2/NDF : 56951.2/6

1841.330+/-0.366 χ^2/NDF : 985834.7/25

1818.070+/-0.257 χ^2/NDF : 1633849.9/52

1795.428+/-0.361 χ^2/NDF : 640048.4/26

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: 3004.667 $\pm$ 2904.886 χ^2 /NDF: 8.3/8

Right Out: -3618.416 $\pm$ 2263.938 χ^2 /NDF: 20.3/19

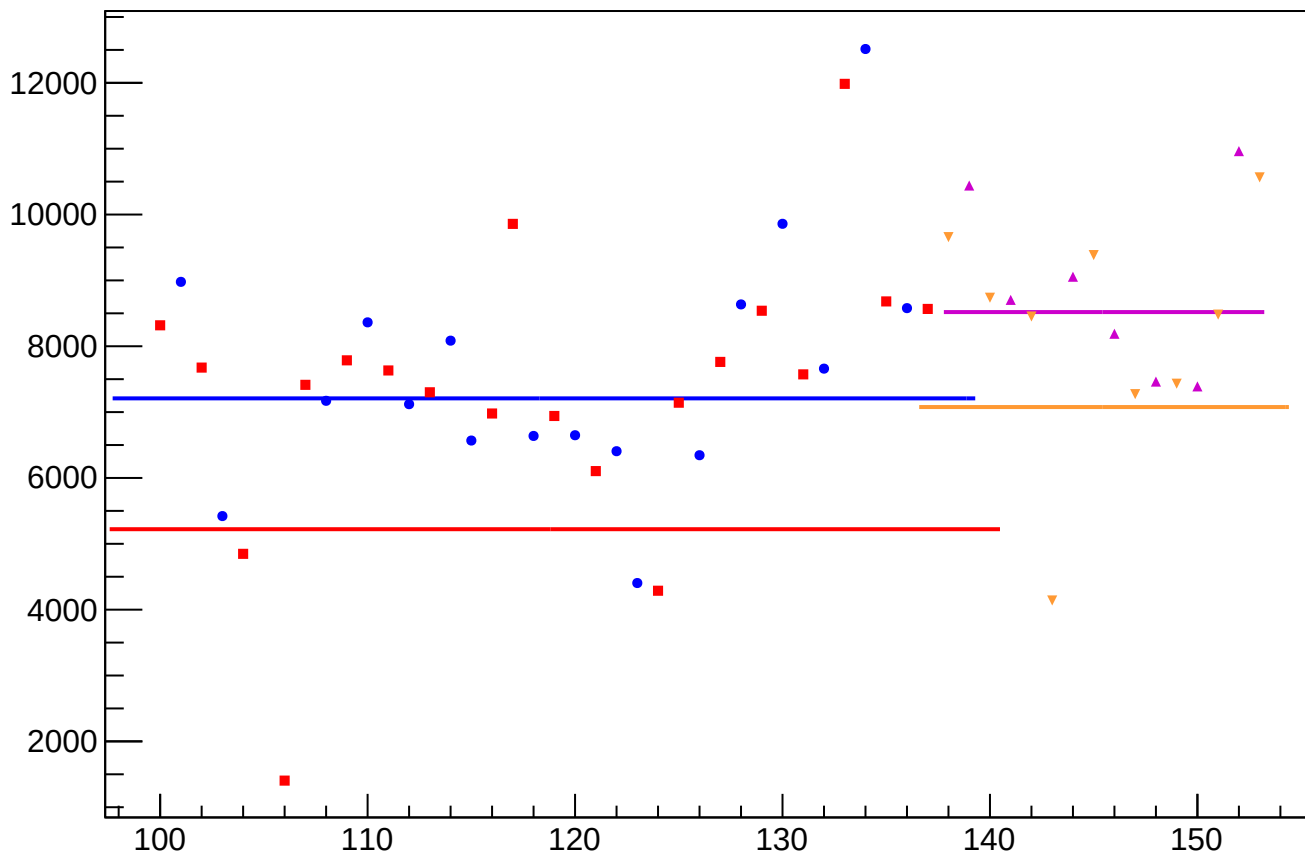
Left In: 2811.825 $\pm$ 3595.896 χ^2 /NDF: 3.6/6

-141.058 $\pm$ 2035.102 χ^2 /NDF: 25.0/25

-1016.897 $\pm$ 1394.966 χ^2 /NDF: 51.5/52

-1793.101 $\pm$ 1915.854 χ^2 /NDF: 26.2/26

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 ± 2.017 $\chi^2/\text{NDF}: 469302.0/16$

Left Out: 7076.704 ± 2.054 $\chi^2/\text{NDF}: 1160191.6/8$

Right Out: 5221.816 ± 1.601 $\chi^2/\text{NDF}: 3216100.5/19$

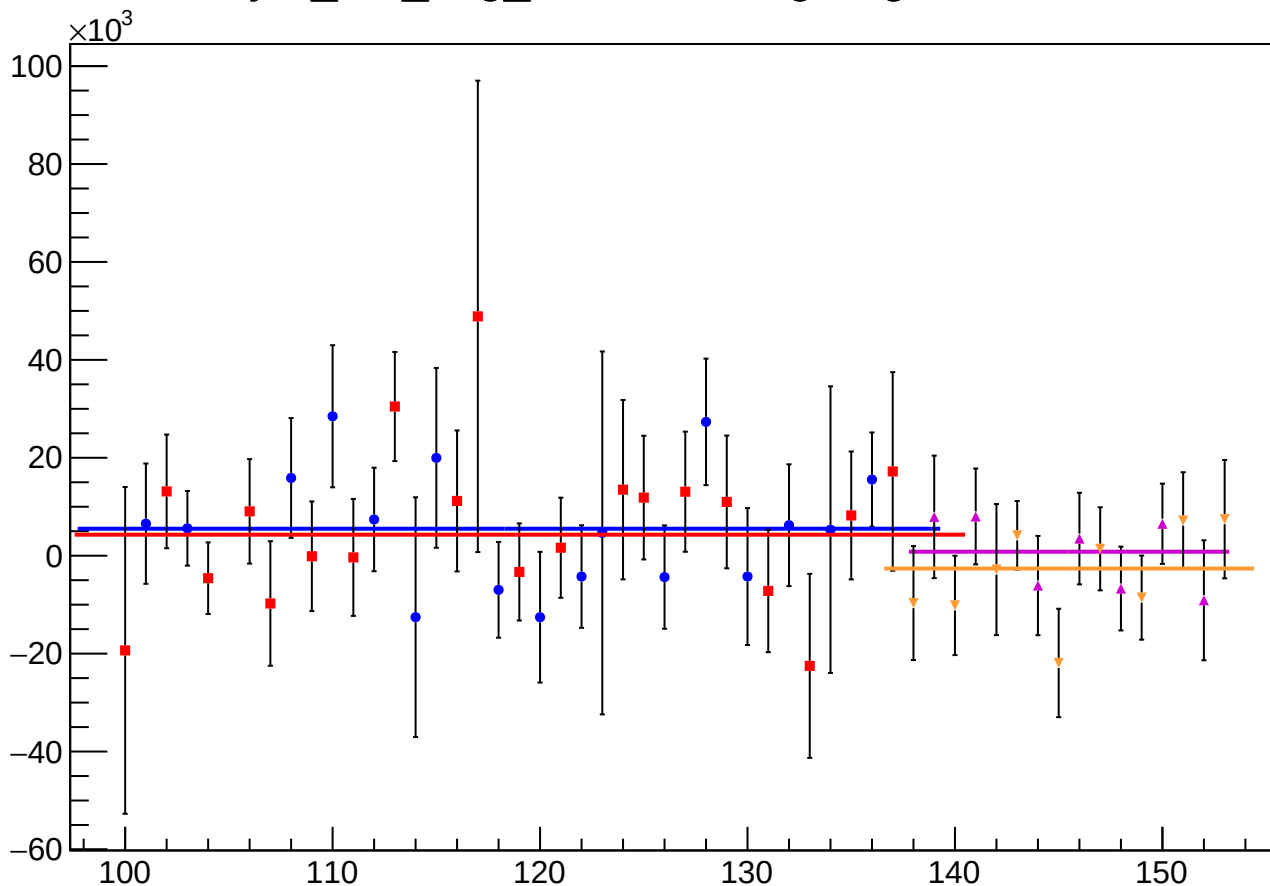
Left In: 8518.984 ± 2.543 $\chi^2/\text{NDF}: 213019.7/6$

7143.848 ± 1.439 $\chi^2/\text{NDF}: 1631592.1/25$

6621.070 ± 0.986 $\chi^2/\text{NDF}: 6513834.1/52$

6157.764 ± 1.355 $\chi^2/\text{NDF}: 4633305.8/26$

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: -2623.106 $\pm$ 3230.961 χ^2/NDF : 7.3/8

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

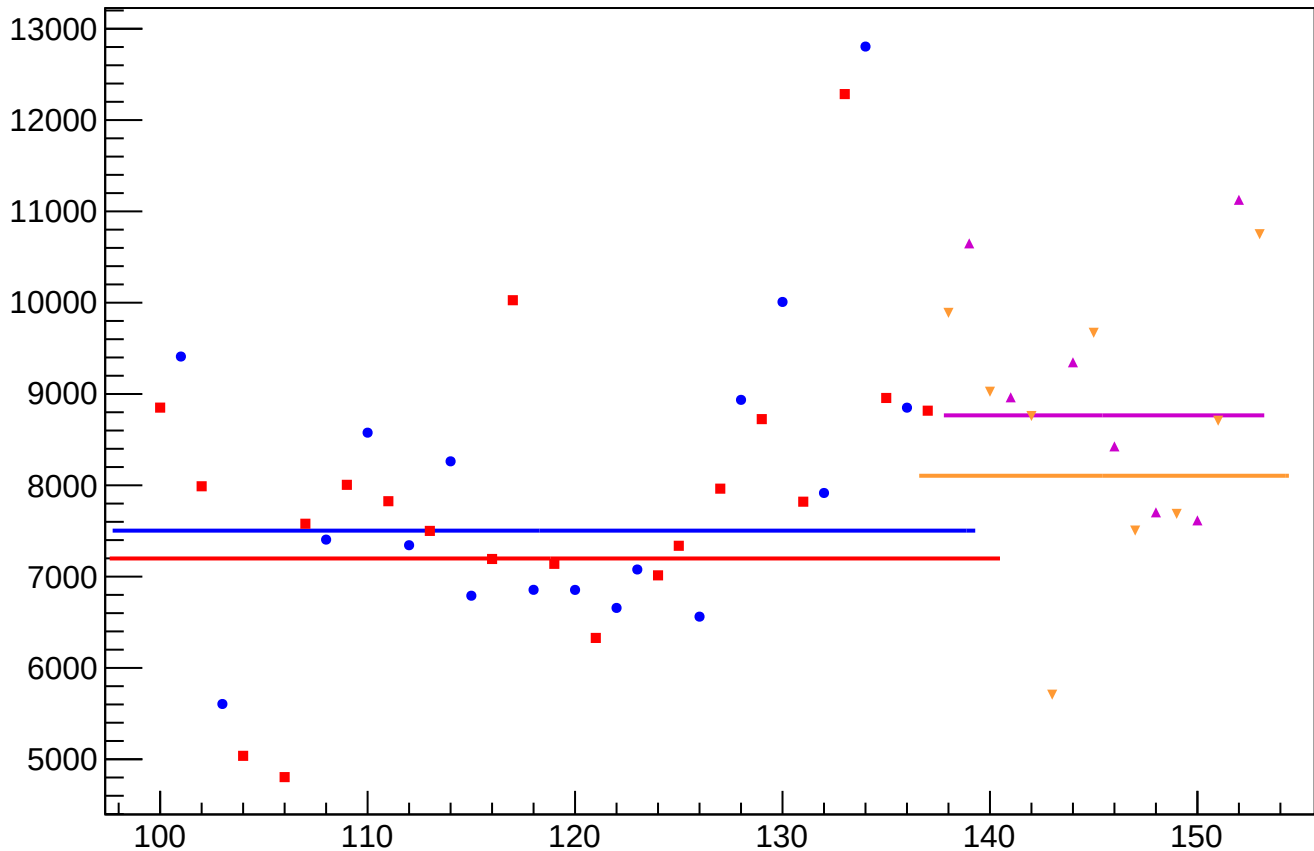
Left In: 817.428 $\pm$ 3697.142 χ^2/NDF : 3.3/6

1783.383 $\pm$ 2186.965 χ^2/NDF : 24.8/25

2399.097 $\pm$ 1559.609 χ^2/NDF : 45.1/52

3036.278 $\pm$ 2224.762 χ^2/NDF : 20.2/26

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 8104.656 $\pm$ 2.285 χ^2 /NDF: 460528.3/8

Right Out: 7198.728 $\pm$ 1.969 χ^2 /NDF: 564629.1/19

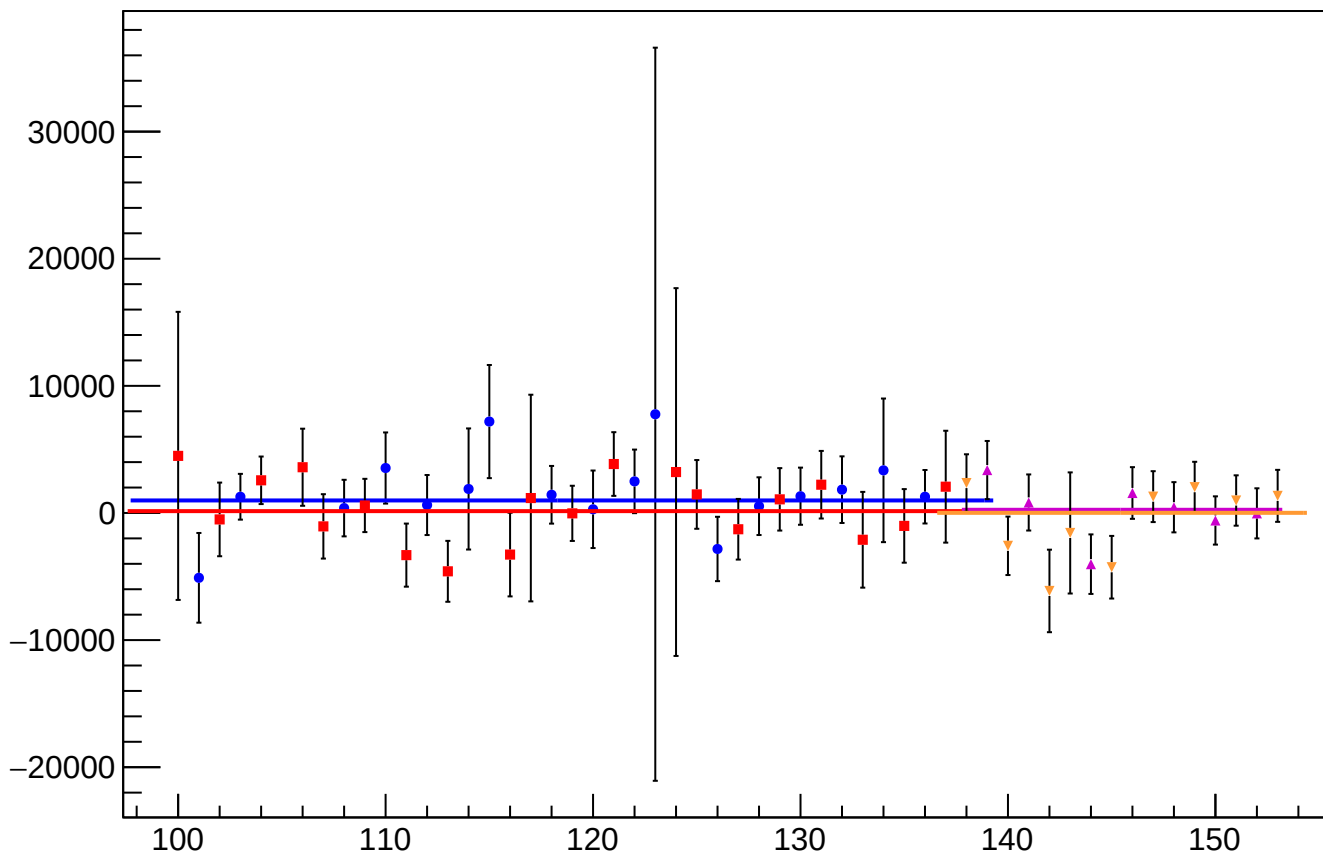
Left In: 8766.083 $\pm$ 2.614 χ^2 /NDF: 199738.0/6

7779.010 $\pm$ 1.546 χ^2 /NDF: 925337.3/25

7772.706 $\pm$ 1.103 χ^2 /NDF: 1919047.2/52

7766.183 $\pm$ 1.573 χ^2 /NDF: 993676.1/26

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: 11.032 ± 770.897 χ^2/NDF : 11.2/8

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

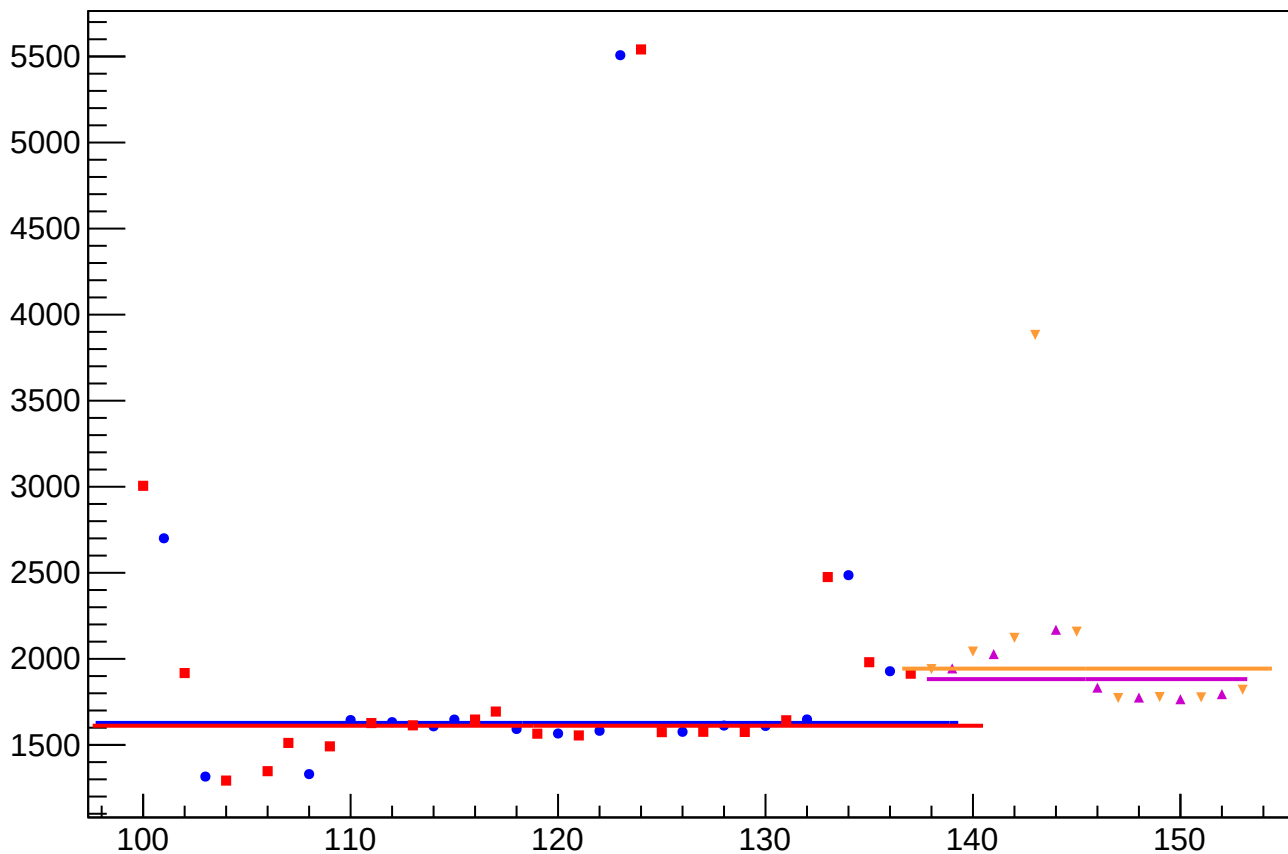
Left In: 250.254 ± 787.698 χ^2/NDF : 5.9/6

584.475 ± 494.519 χ^2/NDF : 21.1/25

382.203 ± 347.359 χ^2/NDF : 42.1/52

185.207 ± 488.025 χ^2/NDF : 20.6/26

reg_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 1943.281 $\pm$ 0.545 χ^2 /NDF: 405935.0/8

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

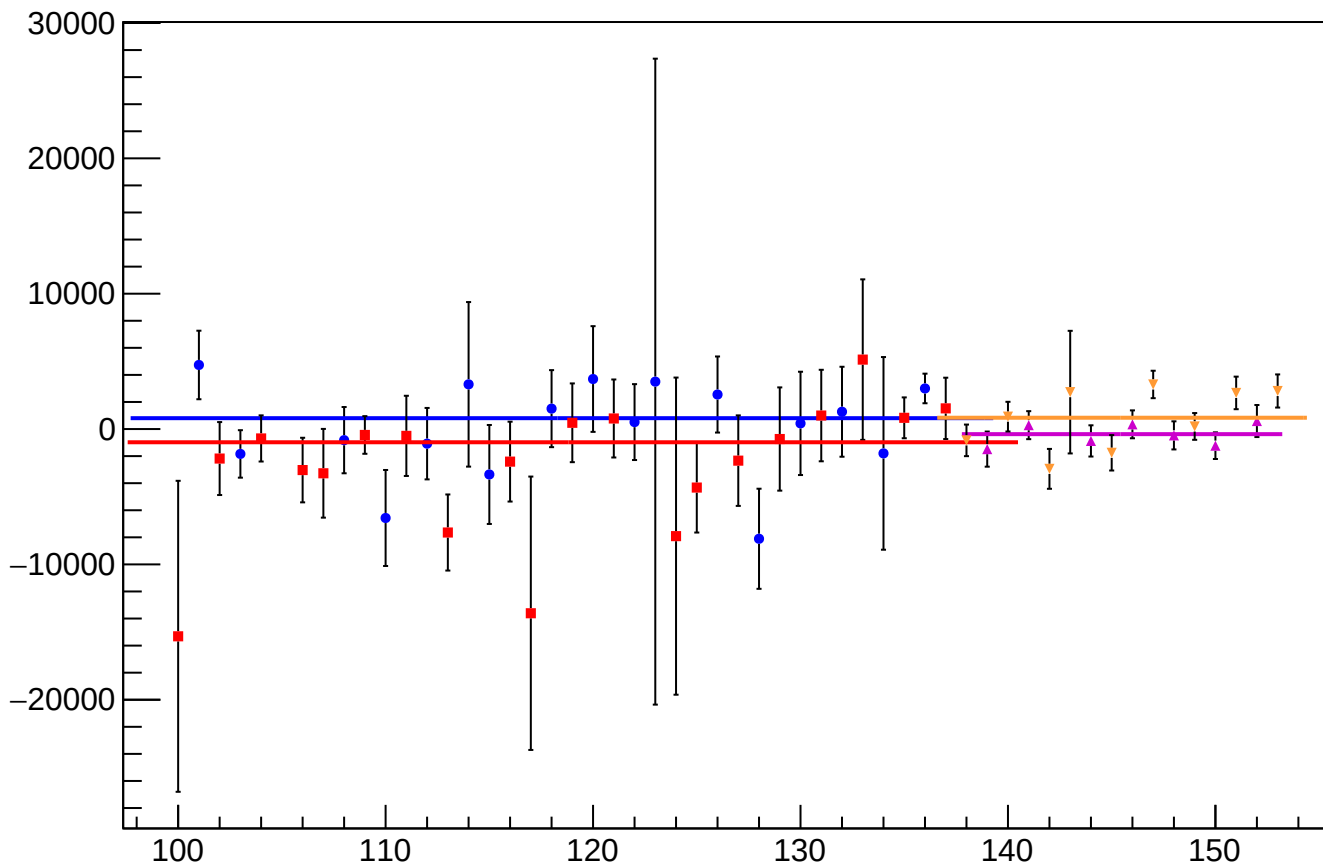
Left In: 1882.291 $\pm$ 0.557 χ^2 /NDF: 58731.3/6

1757.642 $\pm$ 0.350 χ^2 /NDF: 1010115.5/25

1736.243 $\pm$ 0.246 χ^2 /NDF: 1656112.9/52

1715.403 $\pm$ 0.345 χ^2 /NDF: 638605.2/26

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 835.721+/-407.716 χ^2/NDF : 24.0/8

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

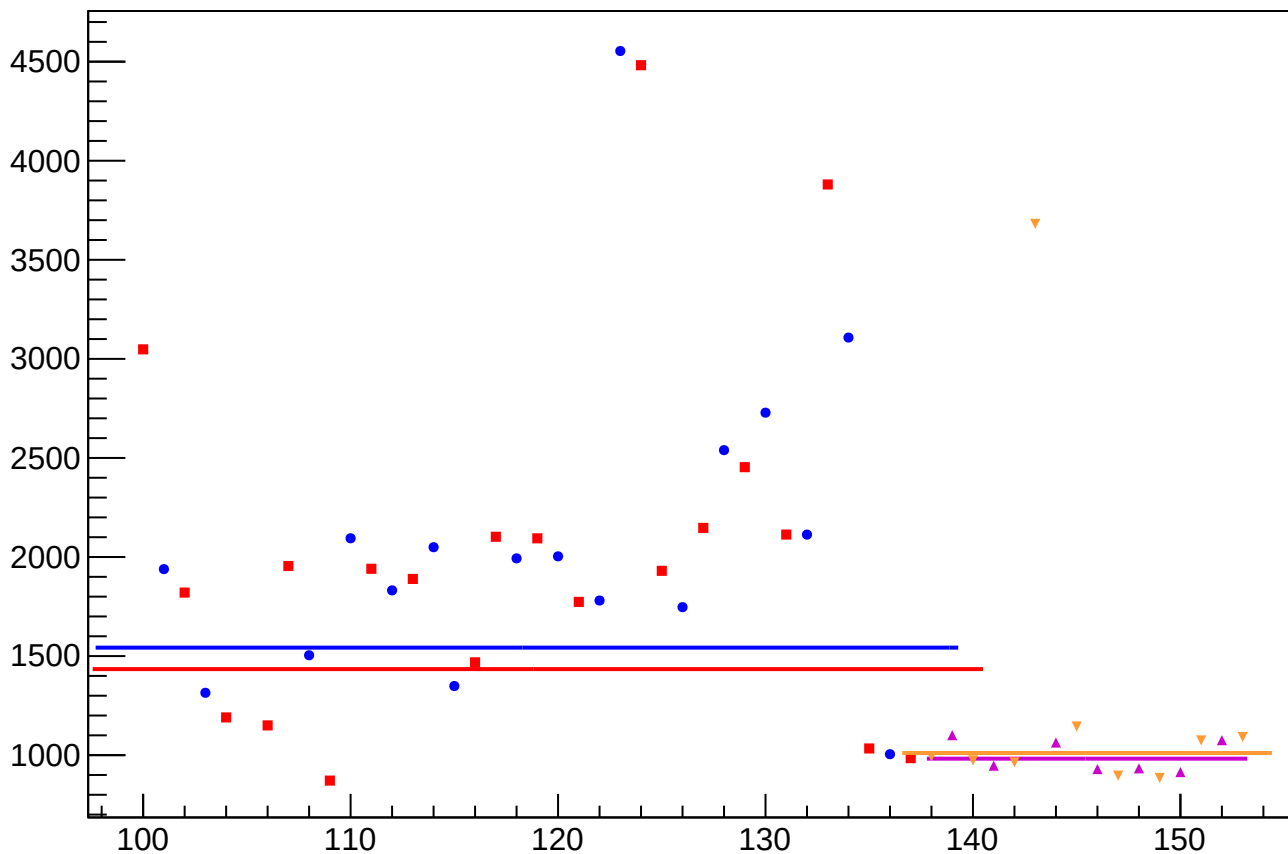
Left In: -376.809+/-411.852 χ^2/NDF : 3.3/6

826.112+/-342.557 χ^2/NDF : 46.4/25

115.618+/-240.406 χ^2/NDF : 75.6/52

-573.934+/-337.471 χ^2/NDF : 20.8/26

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2/NDF : 1287946.3/16

Left Out: 1010.985 $\pm$ 0.288 χ^2/NDF : 793088.8/8

Right Out: 1434.290 $\pm$ 0.416 χ^2/NDF : 1832587.0/19

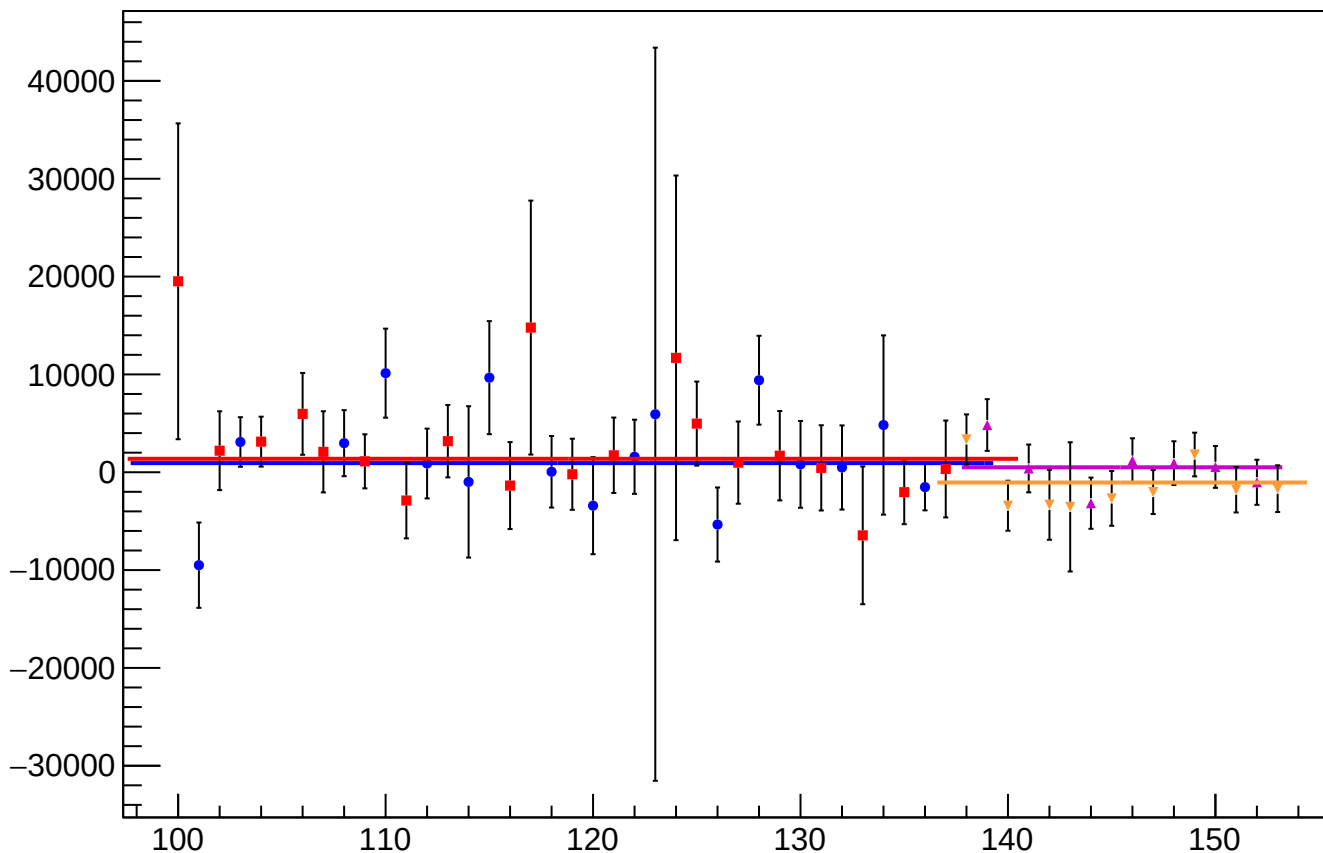
Left In: 982.292 $\pm$ 0.291 χ^2/NDF : 60518.1/6

1167.358 $\pm$ 0.242 χ^2/NDF : 3081398.8/25

1148.812 $\pm$ 0.170 χ^2/NDF : 5777592.3/52

1130.813 $\pm$ 0.239 χ^2/NDF : 2684641.9/26

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -1049.306 $\pm$ 879.229 χ^2/NDF : 6.7/8

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

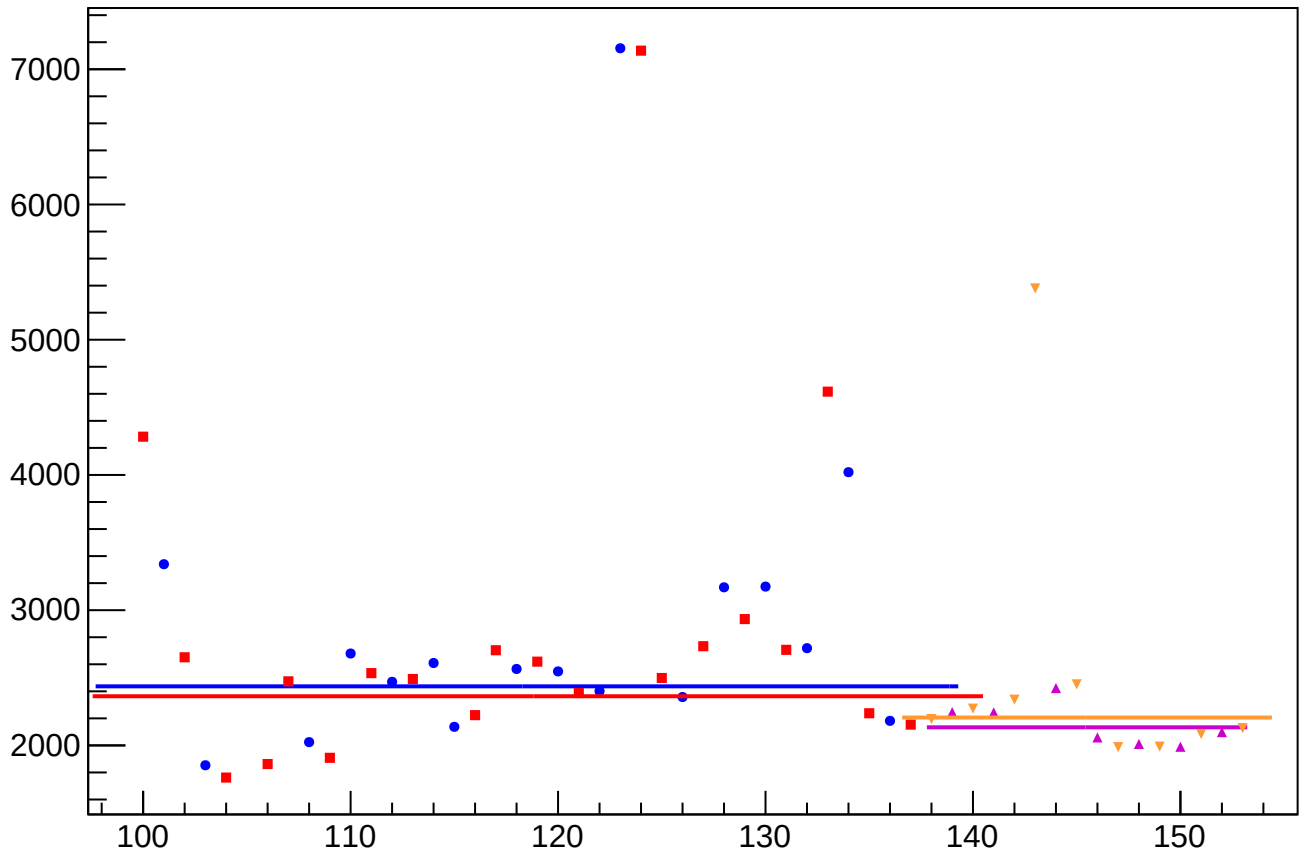
Left In: 505.012 $\pm$ 892.635 χ^2/NDF : 5.2/6

-153.218 $\pm$ 650.817 χ^2/NDF : 30.6/25

393.966 $\pm$ 456.932 χ^2/NDF : 47.2/52

925.893 $\pm$ 641.679 χ^2/NDF : 15.2/26

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855+/-0.684 $\chi^2/\text{NDF}: 469030.2/16$

Left Out: 2206.134+/-0.622 $\chi^2/\text{NDF}: 526609.8/8$

Right Out: 2363.609+/-0.653 $\chi^2/\text{NDF}: 657228.5/19$

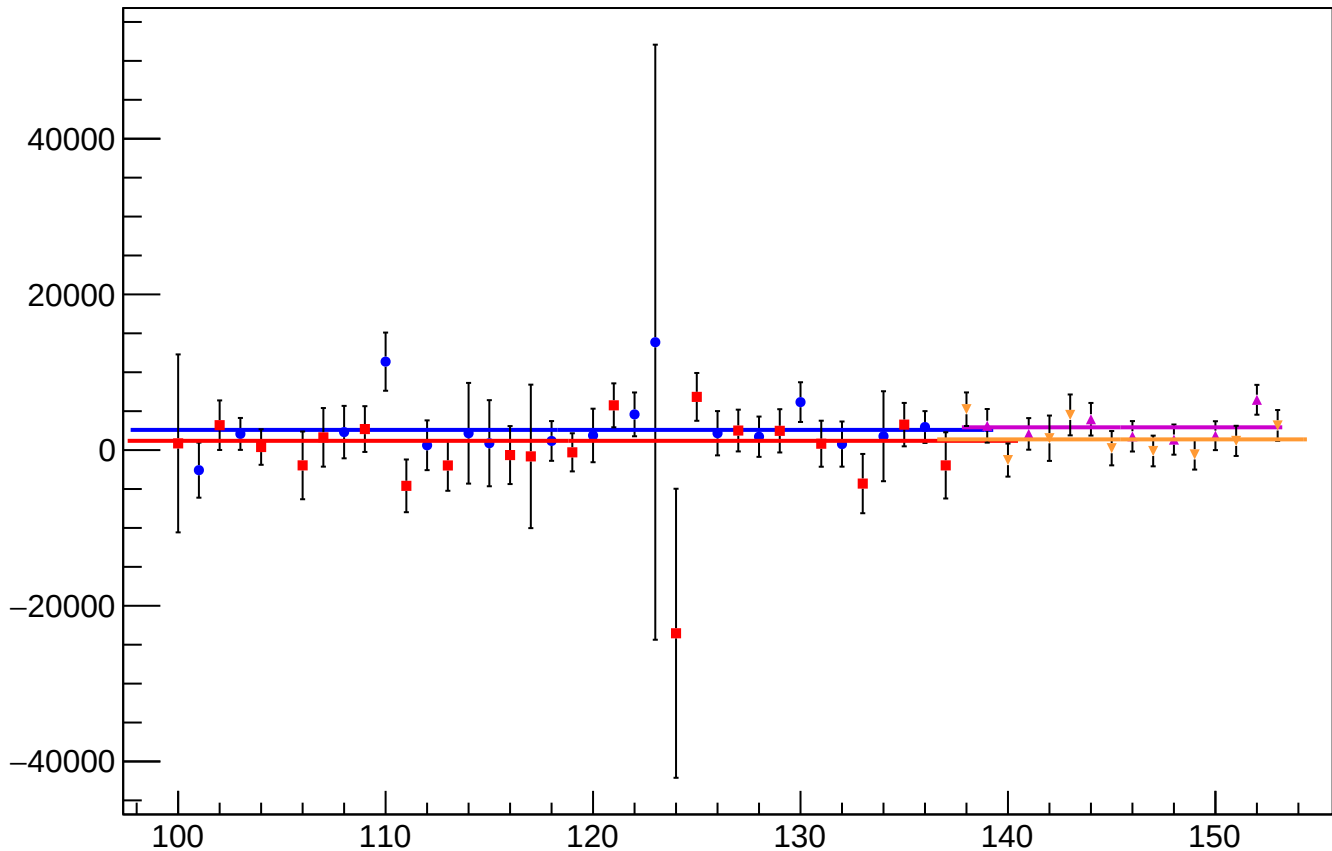
Left In: 2133.801+/-0.631 $\chi^2/\text{NDF}: 49962.7/6$

2310.439+/-0.460 $\chi^2/\text{NDF}: 1057901.9/25$

2277.183+/-0.323 $\chi^2/\text{NDF}: 1839451.1/52$

2244.854+/-0.454 $\chi^2/\text{NDF}: 771250.3/26$

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1376.680+/-716.691 χ^2/NDF : 8.9/8

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

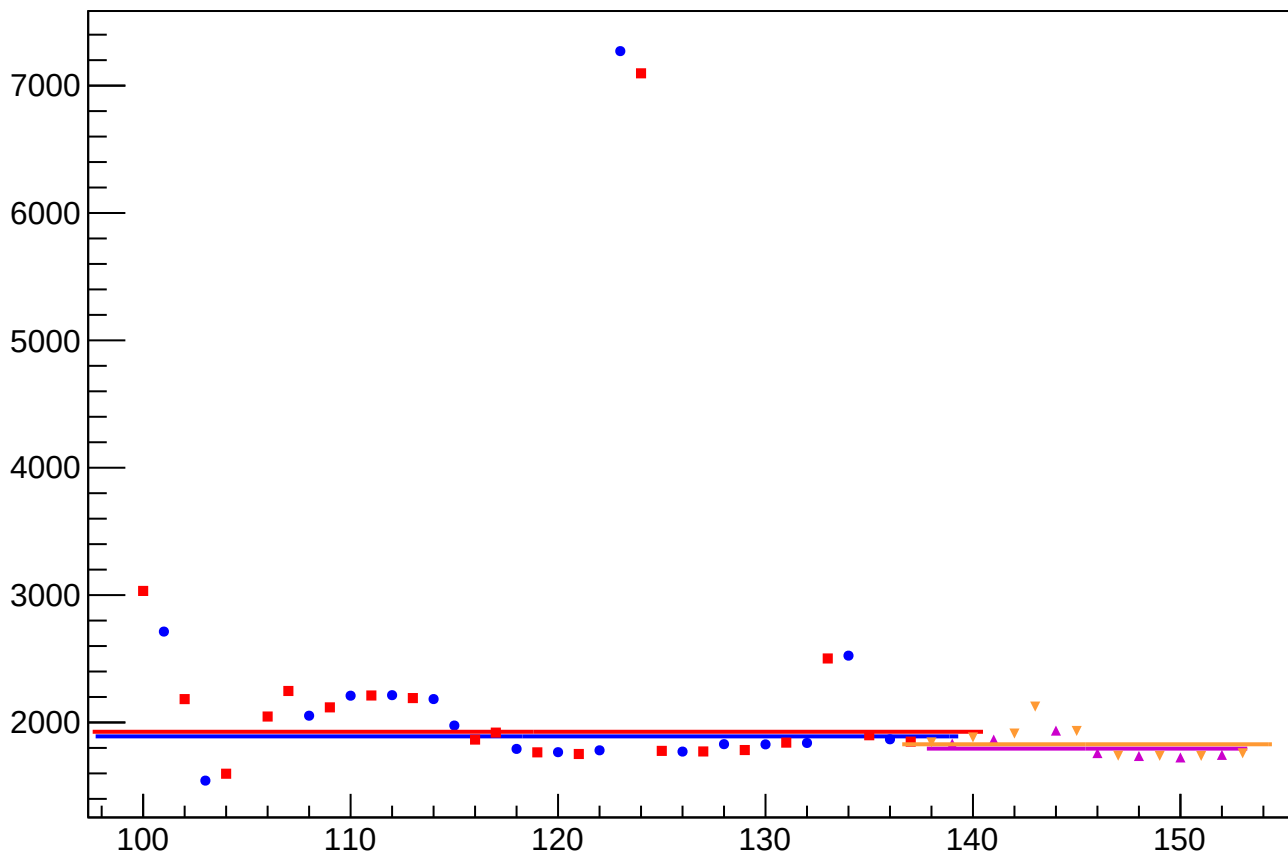
Left In: 2926.232+/-750.357 χ^2/NDF : 5.2/6

1963.736+/-515.827 χ^2/NDF : 21.9/25

2002.432+/-368.250 χ^2/NDF : 47.1/52

2042.653+/-525.886 χ^2/NDF : 25.2/26

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1828.665+/-0.507 χ^2/NDF : 48348.2/8

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

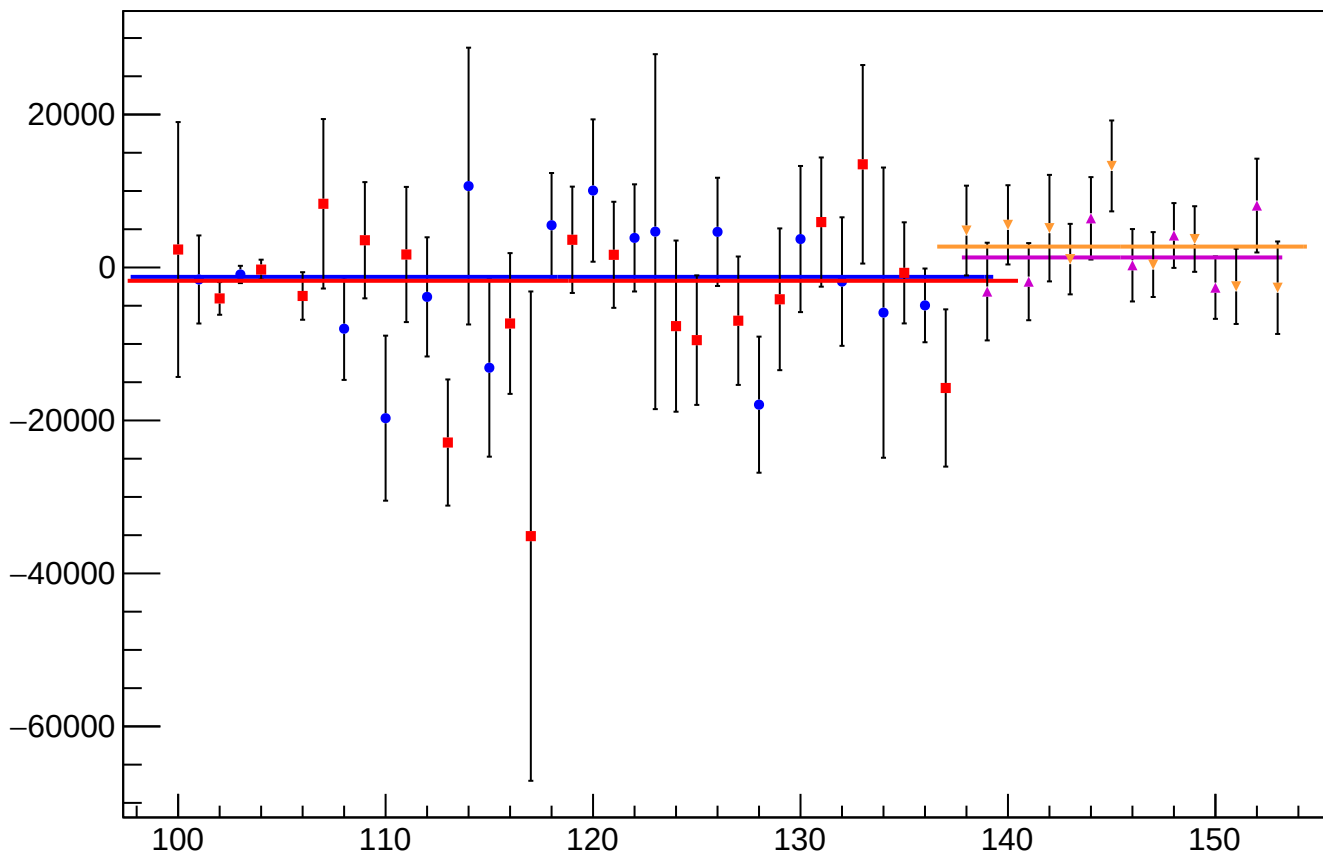
Left In: 1794.637+/-0.531 χ^2/NDF : 18763.1/6

1858.575+/-0.365 χ^2/NDF : 344520.3/25

1860.276+/-0.260 χ^2/NDF : 757252.4/52

1862.040+/-0.372 χ^2/NDF : 412687.8/26

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 2731.393+/-1712.827 χ^2/NDF : 6.1/8

Right Out: -1740.671+/-941.173 χ^2/NDF : 18.9/19

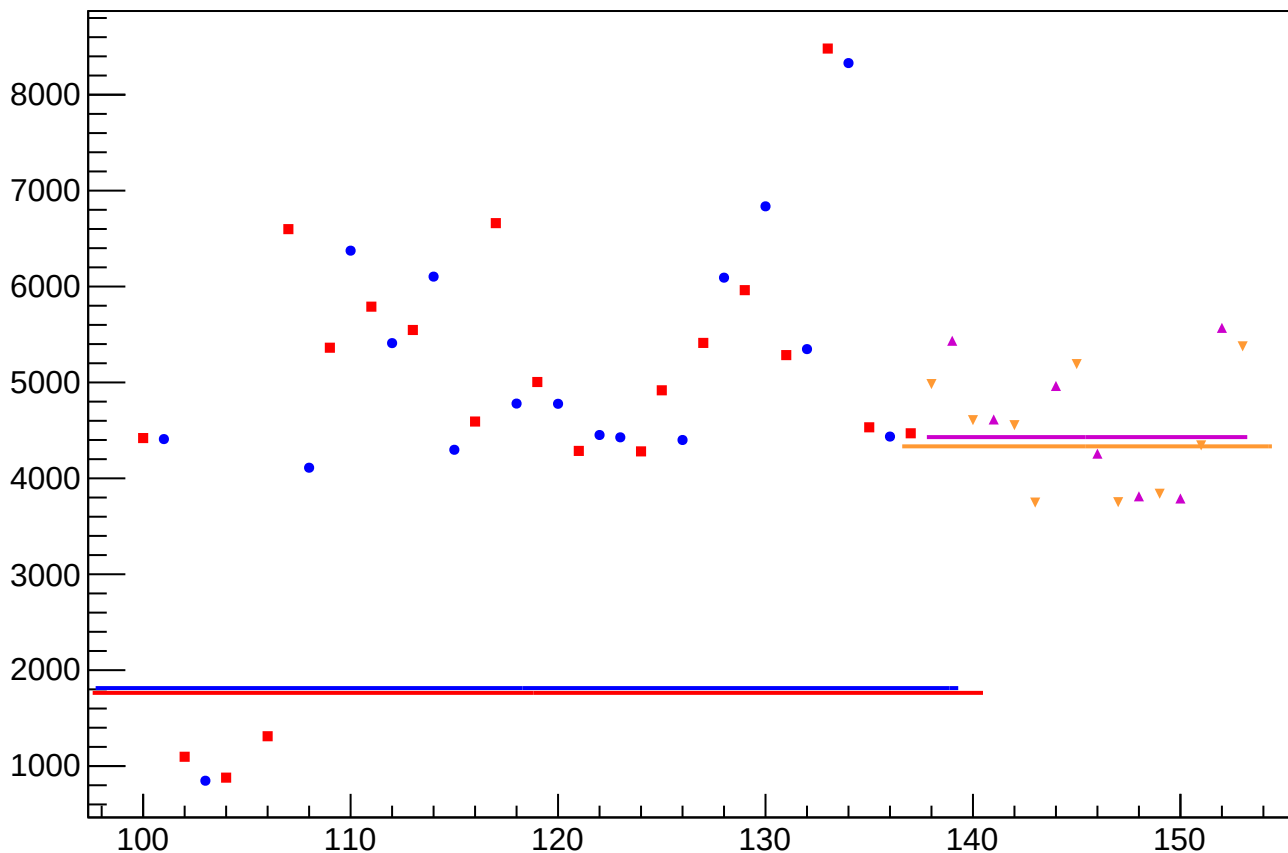
Left In: 1312.667+/-1872.220 χ^2/NDF : 4.4/6

-243.790+/-853.617 χ^2/NDF : 23.9/25

-690.864+/-599.051 χ^2/NDF : 49.9/52

-1124.716+/-840.899 χ^2/NDF : 25.5/26

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4333.570+/-1.211 χ^2/NDF : 229772.5/8

Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

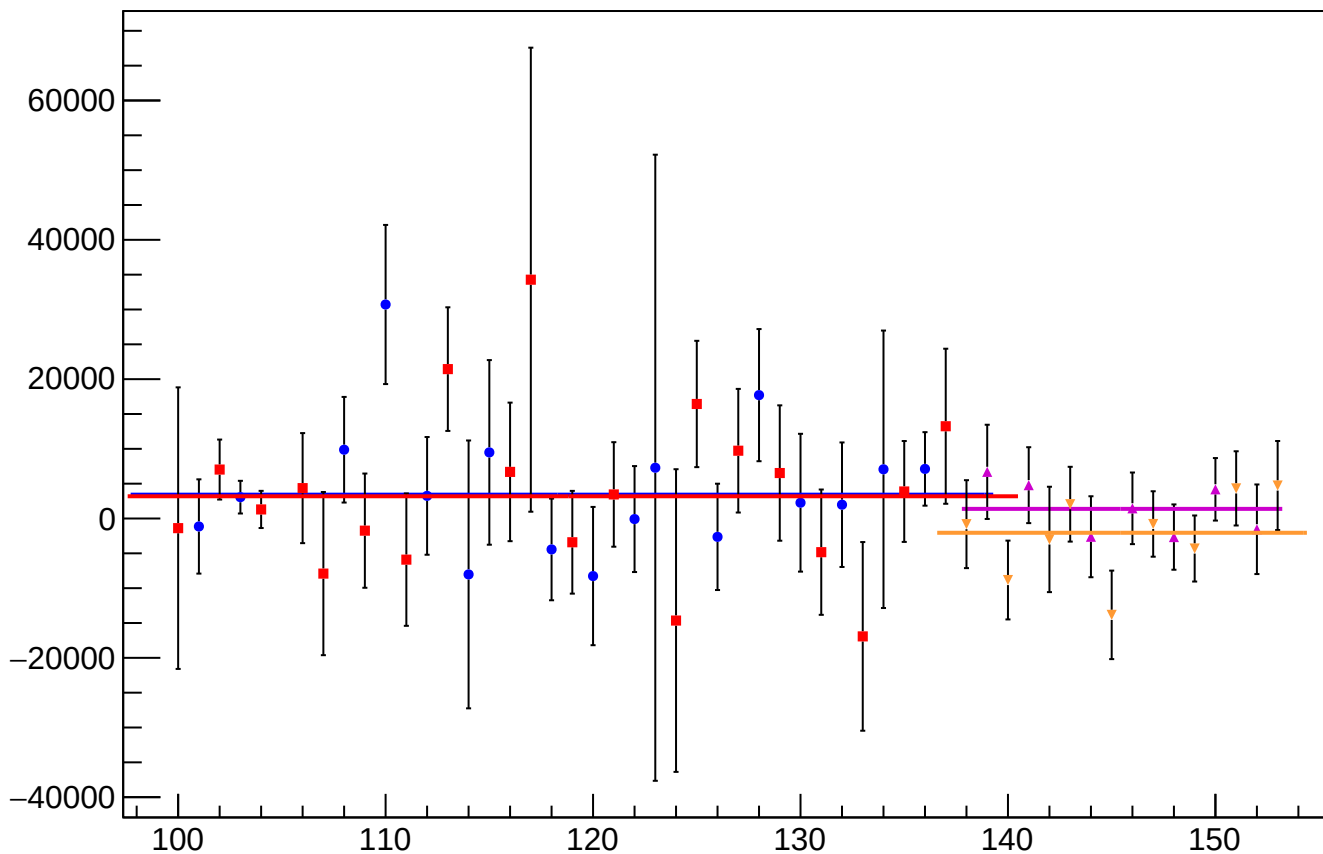
Left In: 4430.141+/-1.324 χ^2/NDF : 235102.9/6

2439.181+/-0.604 χ^2/NDF : 9933705.6/25

2369.230+/-0.424 χ^2/NDF : 19794438.6/5

2301.349+/-0.595 χ^2/NDF : 9834269.6/26

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264 $\pm$ 1606.678 χ^2/NDF : 13.7/16

Left Out: -2048.471 $\pm$ 1880.131 χ^2/NDF : 8.4/8

Right Out: 3190.143 $\pm$ 1604.066 χ^2/NDF : 16.9/19

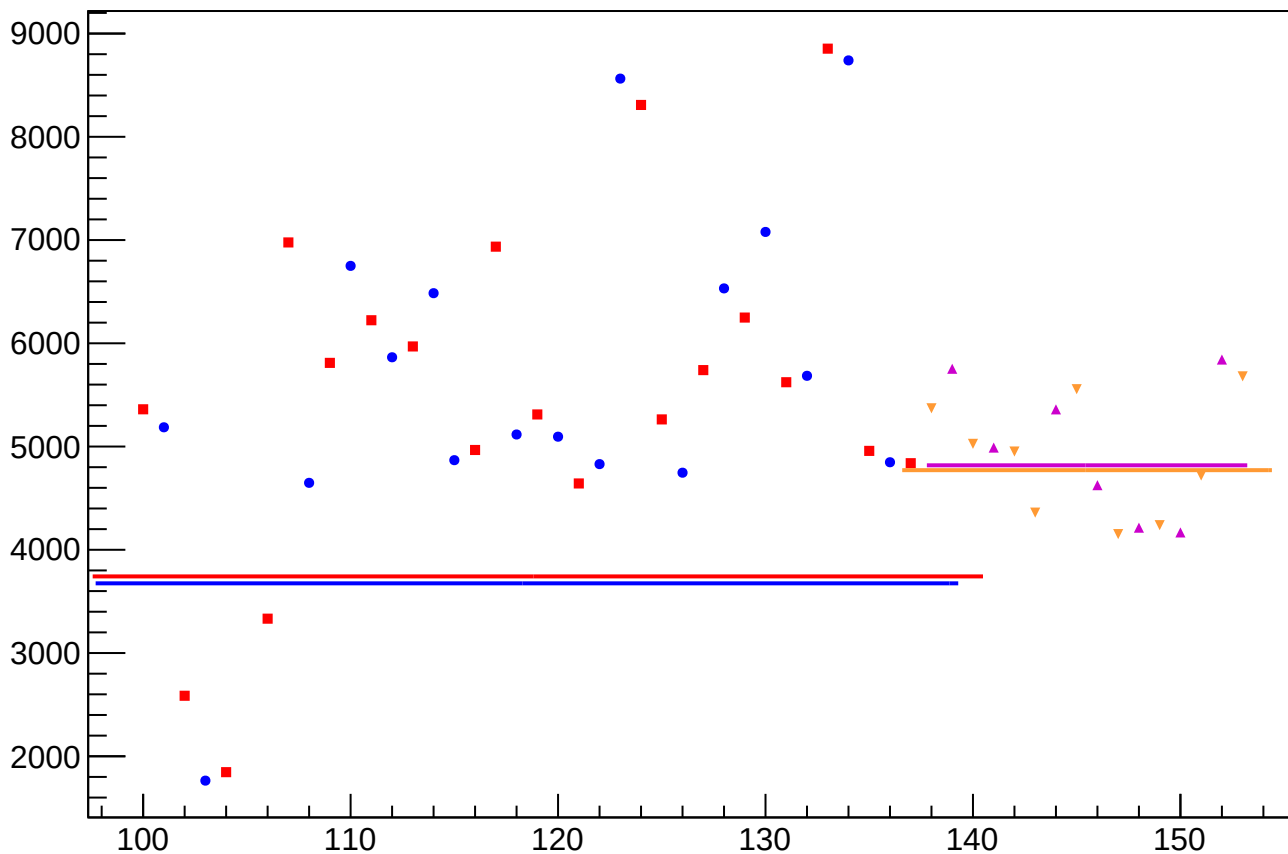
Left In: 1381.715 $\pm$ 2031.106 χ^2/NDF : 2.8/6

1112.738 $\pm$ 1221.440 χ^2/NDF : 27.0/25

1783.267 $\pm$ 876.611 χ^2/NDF : 47.8/52

2495.481 $\pm$ 1258.835 χ^2/NDF : 20.2/26

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 +/- 1.136 χ^2/NDF : 2775085.7/16

Left Out: 4771.134 +/- 1.329 χ^2/NDF : 166131.0/8

Right Out: 3742.124 +/- 1.127 χ^2/NDF : 2712365.3/19

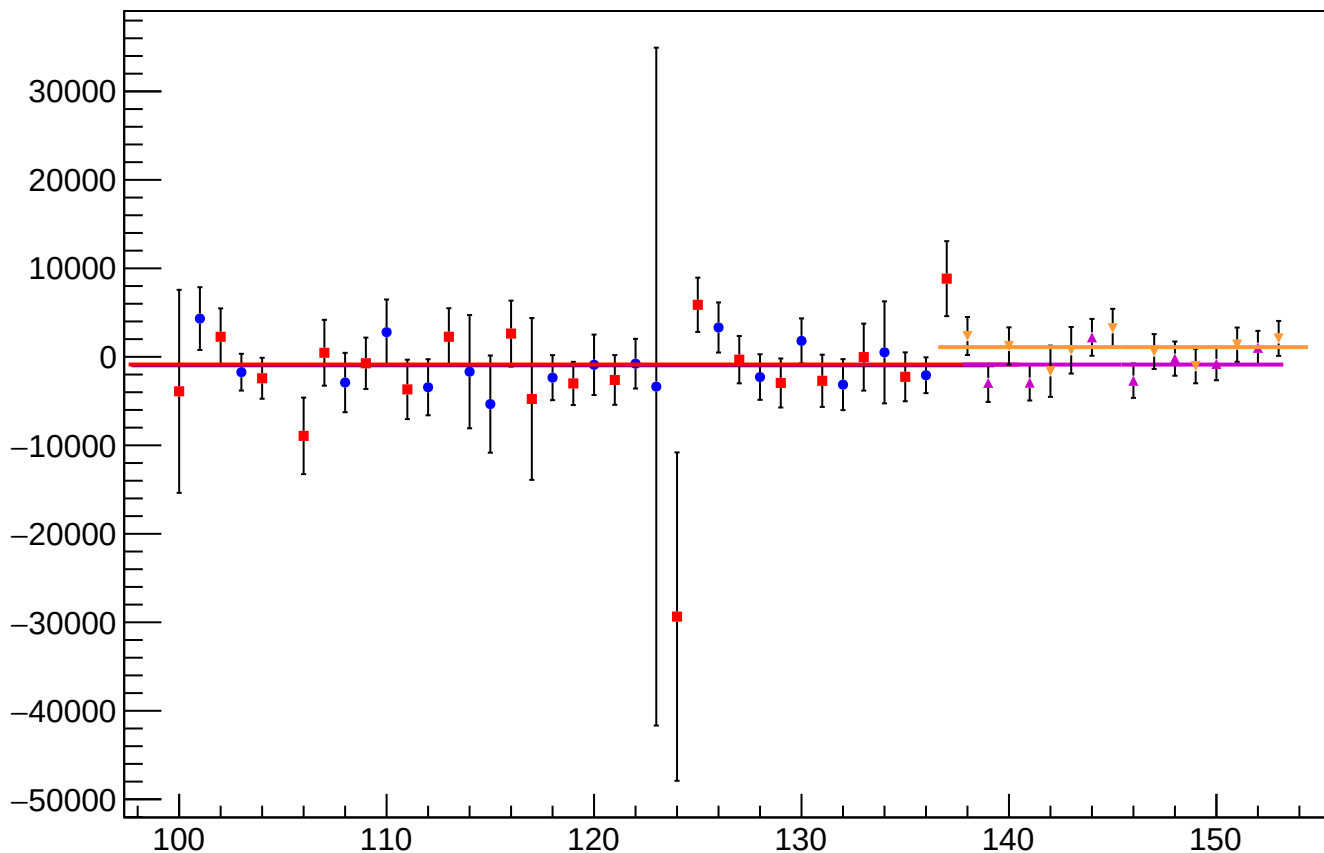
Left In: 4818.188 +/- 1.436 χ^2/NDF : 186404.5/6

4137.630 +/- 0.864 χ^2/NDF : 3334102.2/25

4144.671 +/- 0.619 χ^2/NDF : 6580498.8/52

4152.088 +/- 0.886 χ^2/NDF : 3246260.1/26

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1099.411+/-713.998 χ^2/NDF : 3.7/8

Right Out: -868.810+/-735.140 χ^2/NDF : 22.7/19

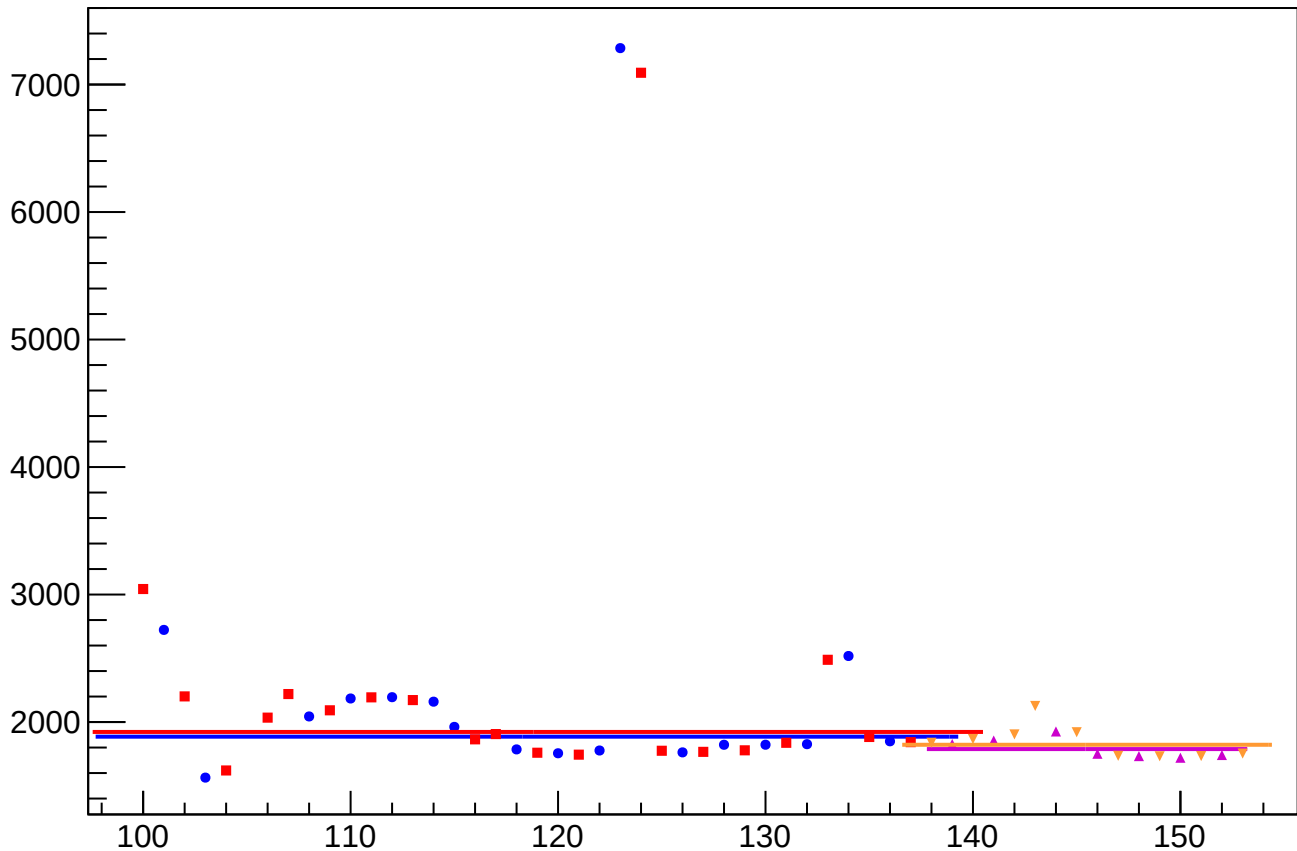
Left In: -874.104+/-747.549 χ^2/NDF : 6.1/6

111.604+/-514.043 χ^2/NDF : 17.7/25

-370.331+/-367.006 χ^2/NDF : 48.3/52

-871.413+/-524.155 χ^2/NDF : 28.8/26

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1821.799 ± 0.505 χ^2/NDF : 48303.8/8

Right Out: 1922.430 ± 0.519 χ^2/NDF : 351518.8/19

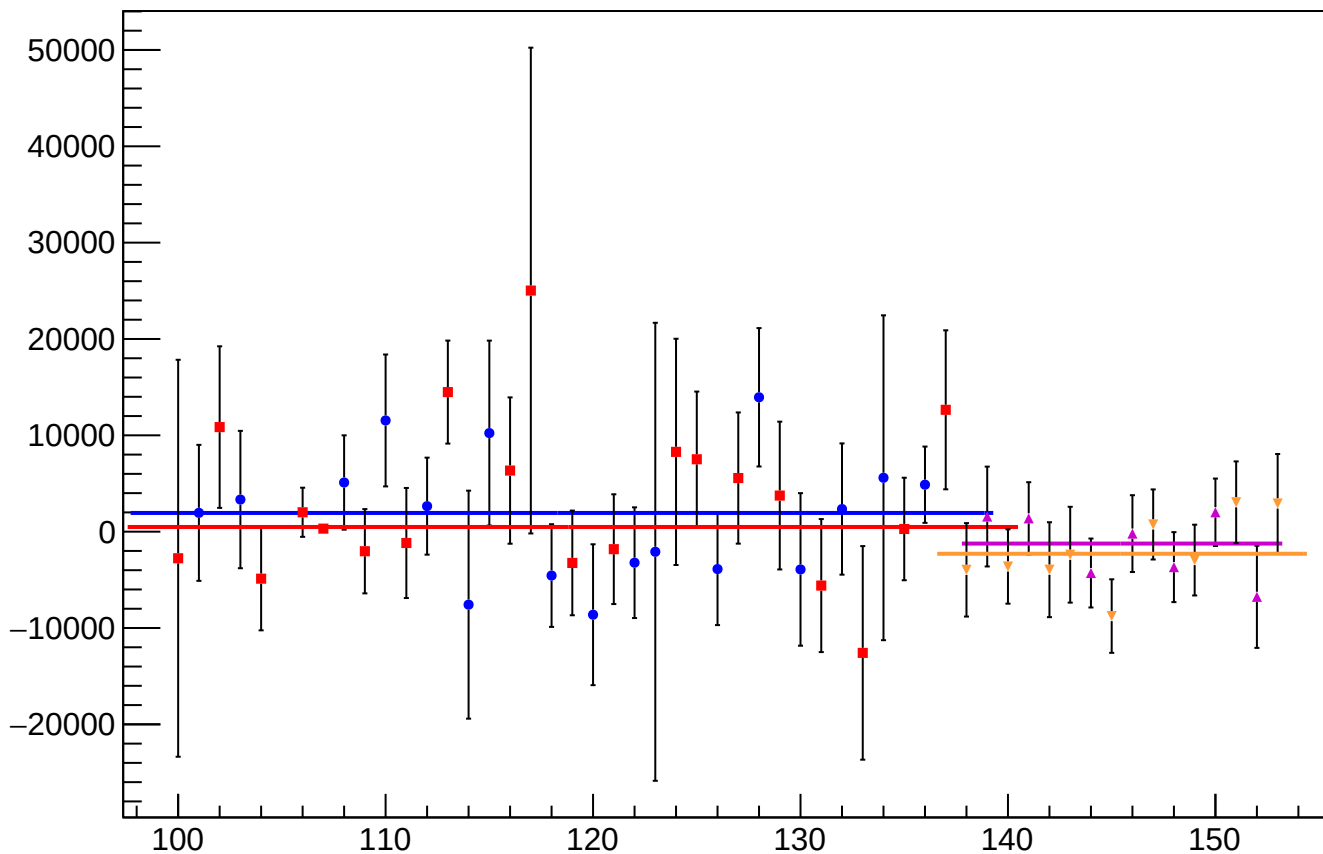
Left In: 1788.005 ± 0.529 χ^2/NDF : 17896.8/6

1852.414 ± 0.363 χ^2/NDF : 336367.2/25

1854.393 ± 0.259 χ^2/NDF : 738769.8/52

1856.447 ± 0.370 χ^2/NDF : 402342.2/26

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -2293.095+/-1409.679 χ^2/NDF : 6.6/8

Right Out: 486.774+/-453.611 χ^2/NDF : 19.0/19

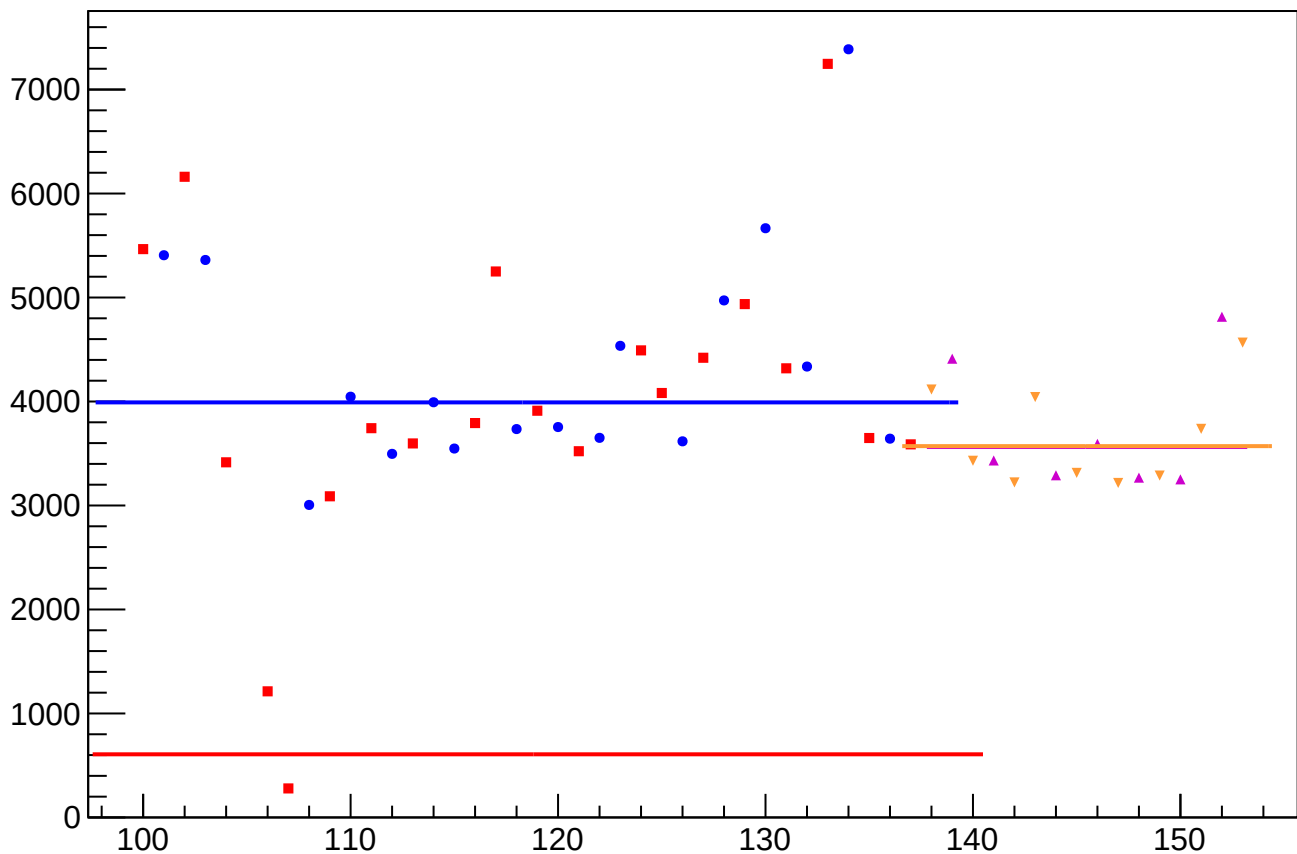
Left In: -1235.685+/-1503.520 χ^2/NDF : 4.0/6

-416.919+/-1052.188 χ^2/NDF : 23.8/25

232.451+/-401.429 χ^2/NDF : 48.4/52

343.072+/-434.277 χ^2/NDF : 24.2/26

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416 ± 1.118 $\chi^2/\text{NDF}: 510782.7/16$

Left Out: 3570.831 ± 0.997 $\chi^2/\text{NDF}: 174064.9/8$

Right Out: 607.234 ± 0.321 $\chi^2/\text{NDF}: 10314440.1/19$

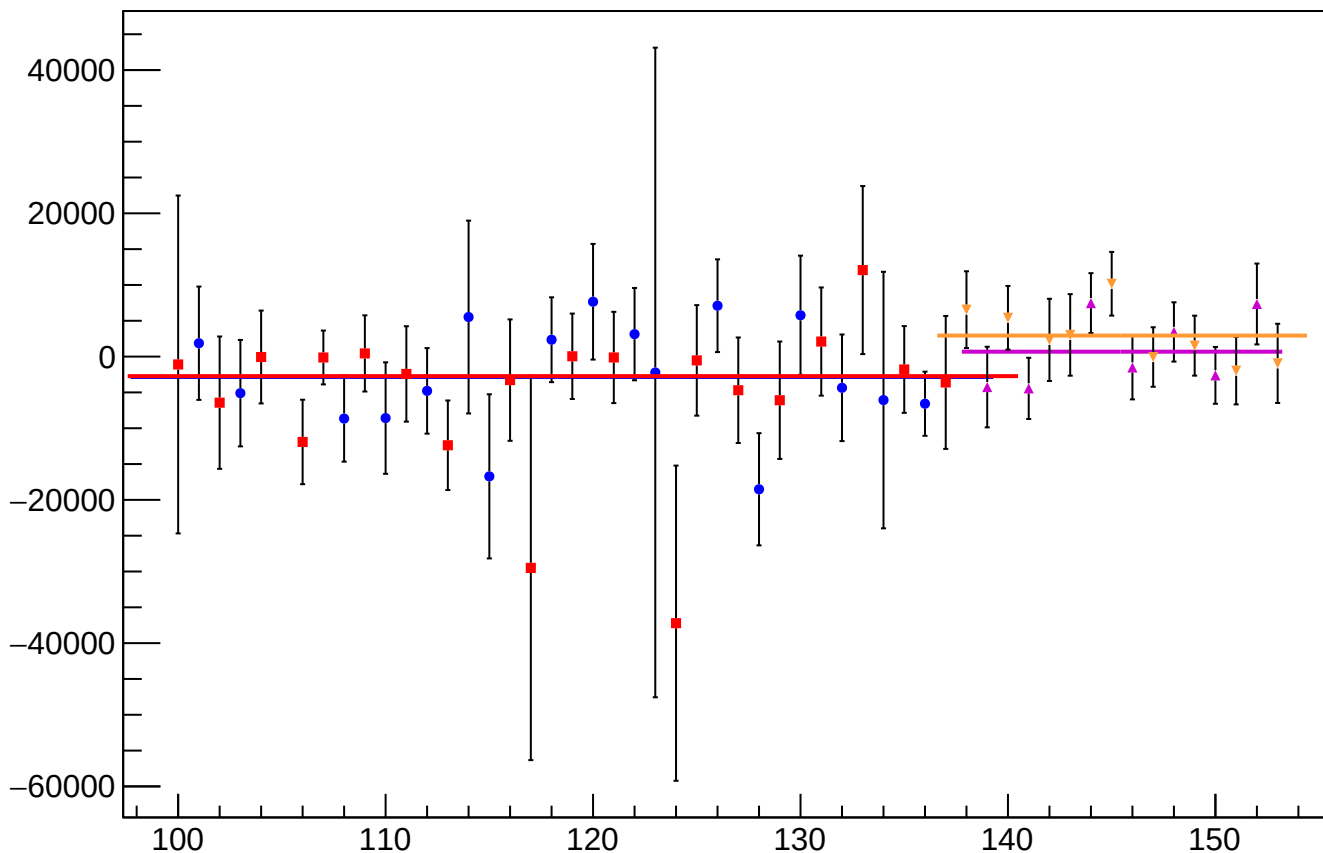
Left In: 3562.317 ± 1.063 $\chi^2/\text{NDF}: 208359.5/6$

3757.101 ± 0.744 $\chi^2/\text{NDF}: 763695.0/25$

1276.370 ± 0.284 $\chi^2/\text{NDF}: 31379124.7/5$

853.773 ± 0.307 $\chi^2/\text{NDF}: 17604170.1/26$

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 $\pm$ 1786.019 χ^2 /NDF: 15.4/16

Left Out: 2935.076 $\pm$ 1600.870 χ^2 /NDF: 5.6/8

Right Out: -2729.311 $\pm$ 1572.398 χ^2 /NDF: 12.2/19

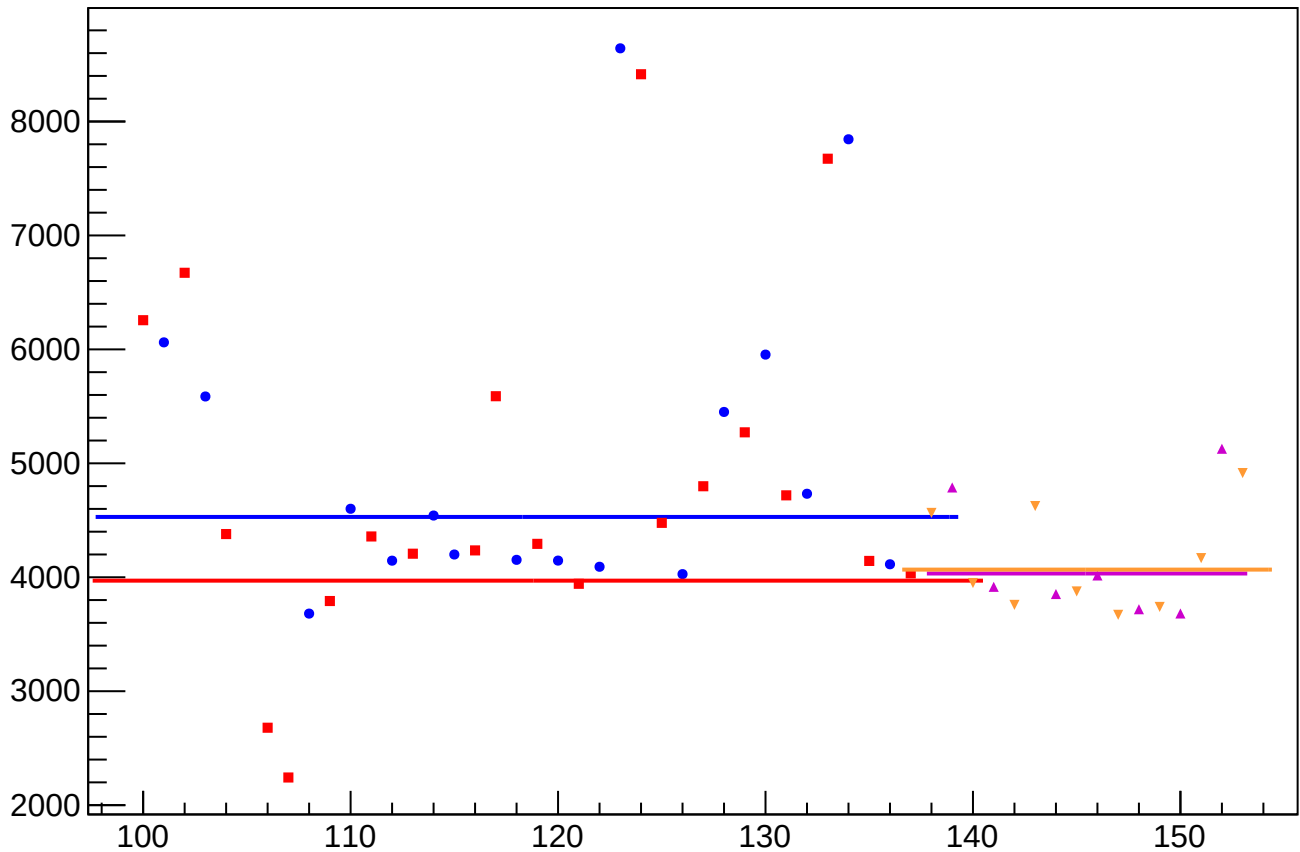
Left In: 685.798 $\pm$ 1696.444 χ^2 /NDF: 7.6/6

362.480 $\pm$ 1192.088 χ^2 /NDF: 26.8/25

-419.424 $\pm$ 828.848 χ^2 /NDF: 49.7/52

-1151.167 $\pm$ 1153.216 χ^2 /NDF: 22.0/26

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4067.238+/-1.132 χ^2/NDF : 125797.5/8

Right Out: 3970.336+/-1.105 χ^2/NDF : 1147711.9/19

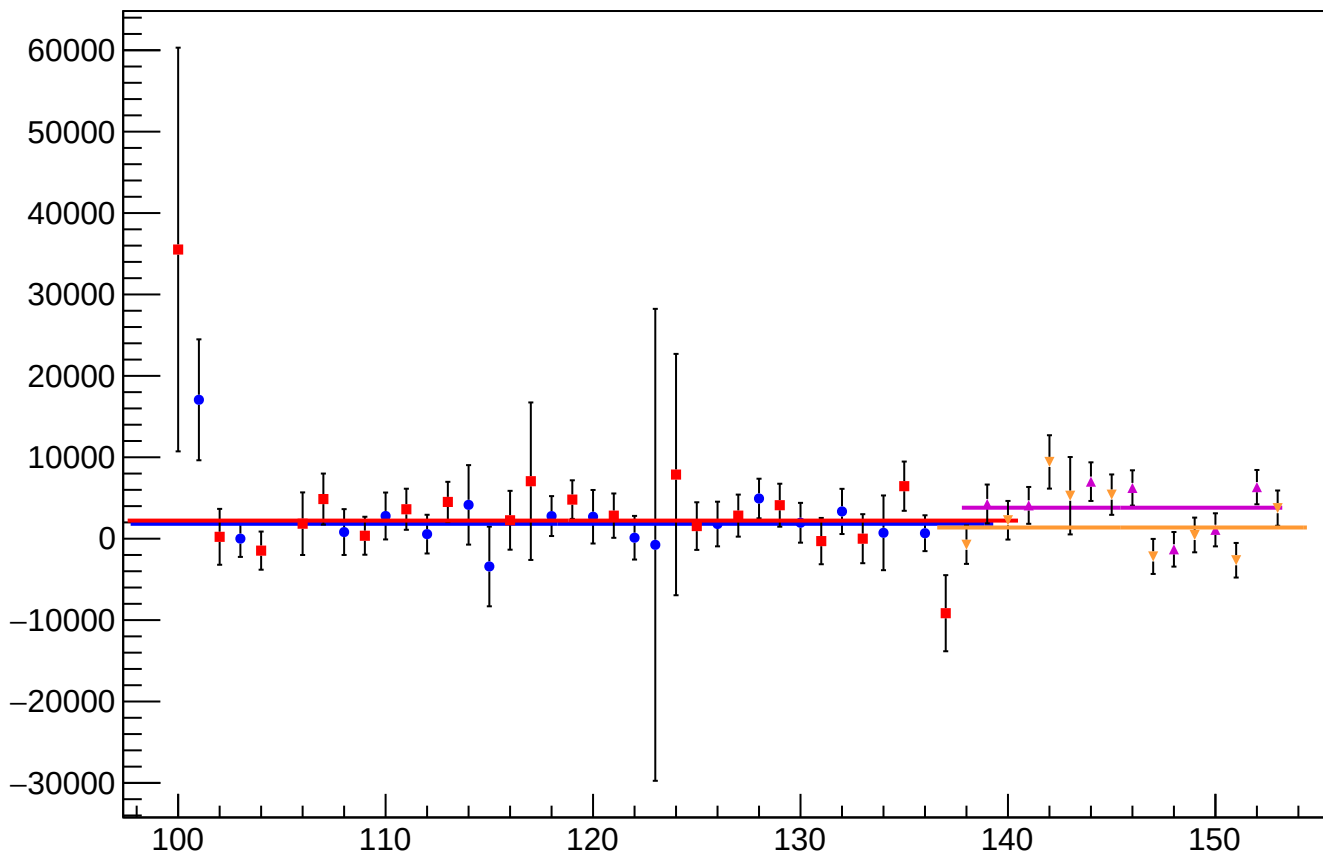
Left In: 4033.101+/-1.200 χ^2/NDF : 143704.6/6

4273.157+/-0.843 χ^2/NDF : 589402.6/25

4131.137+/-0.585 χ^2/NDF : 1937070.1/52

3999.140+/-0.813 χ^2/NDF : 1292897.8/26

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 1374.211 $\pm$ 808.817 χ^2 /NDF: 18.0/8

Right Out: 2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

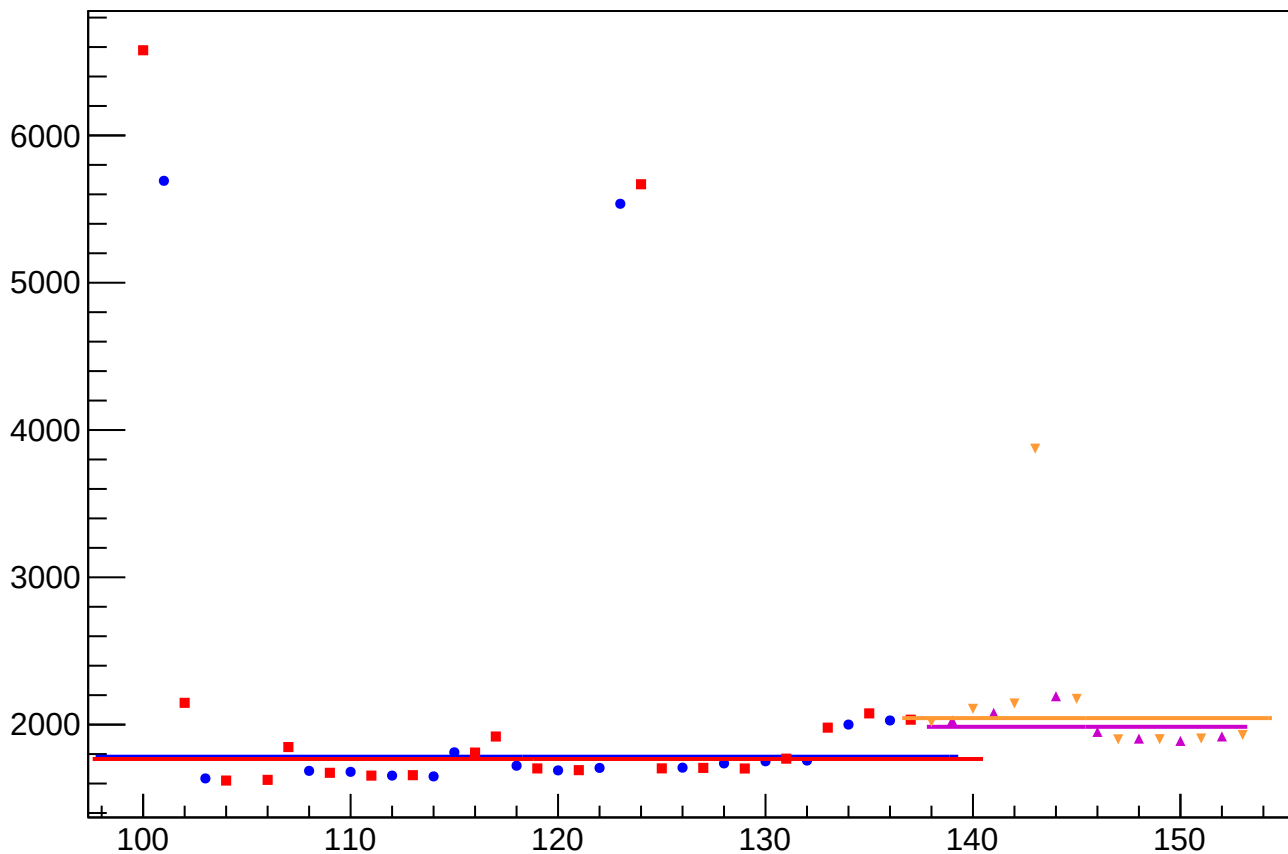
Left In: 3804.667 $\pm$ 830.508 χ^2 /NDF: 12.1/6

1631.271 $\pm$ 534.148 χ^2 /NDF: 27.9/25

2253.642 $\pm$ 375.253 χ^2 /NDF: 63.4/52

2860.142 $\pm$ 527.293 χ^2 /NDF: 32.9/26

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2044.160+/-0.572 χ^2/NDF : 337372.4/8

Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

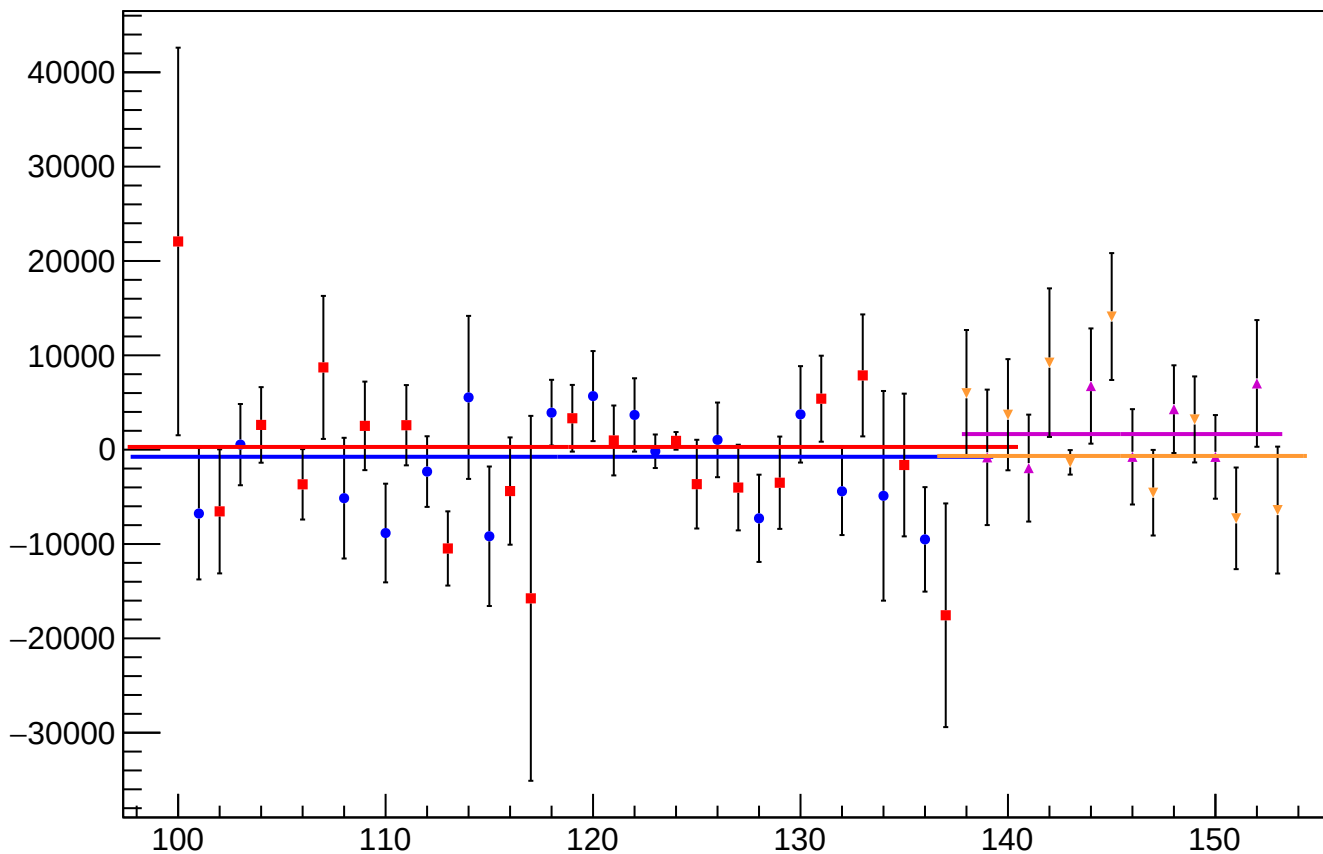
Left In: 1985.116+/-0.587 χ^2/NDF : 29142.8/6

1896.415+/-0.378 χ^2/NDF : 1100915.4/25

1874.866+/-0.265 χ^2/NDF : 1526764.1/52

1854.038+/-0.371 χ^2/NDF : 419447.7/26

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -665.410+/-1094.205 χ^2/NDF : 11.9/8

Right Out: 288.847+/-724.622 χ^2/NDF : 22.7/19

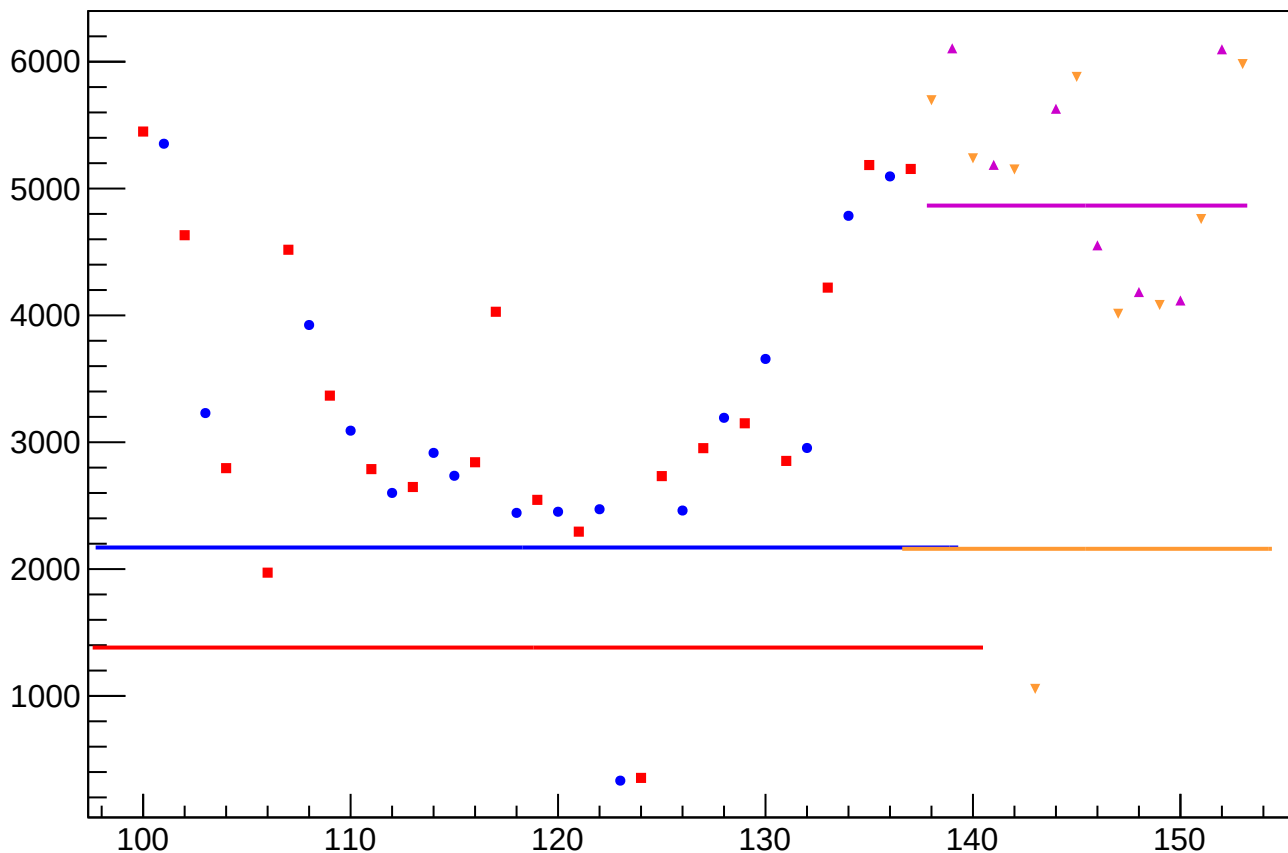
Left In: 1653.602+/-2059.336 χ^2/NDF : 2.7/6

-713.000+/-741.577 χ^2/NDF : 28.9/25

-90.053+/-502.603 χ^2/NDF : 55.9/52

439.206+/-683.541 χ^2/NDF : 25.8/26

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2159.881 $\pm$ 0.774 χ^2 /NDF: 5249641.0/8

Right Out: 1381.438 $\pm$ 0.512 χ^2 /NDF: 6884822.3/19

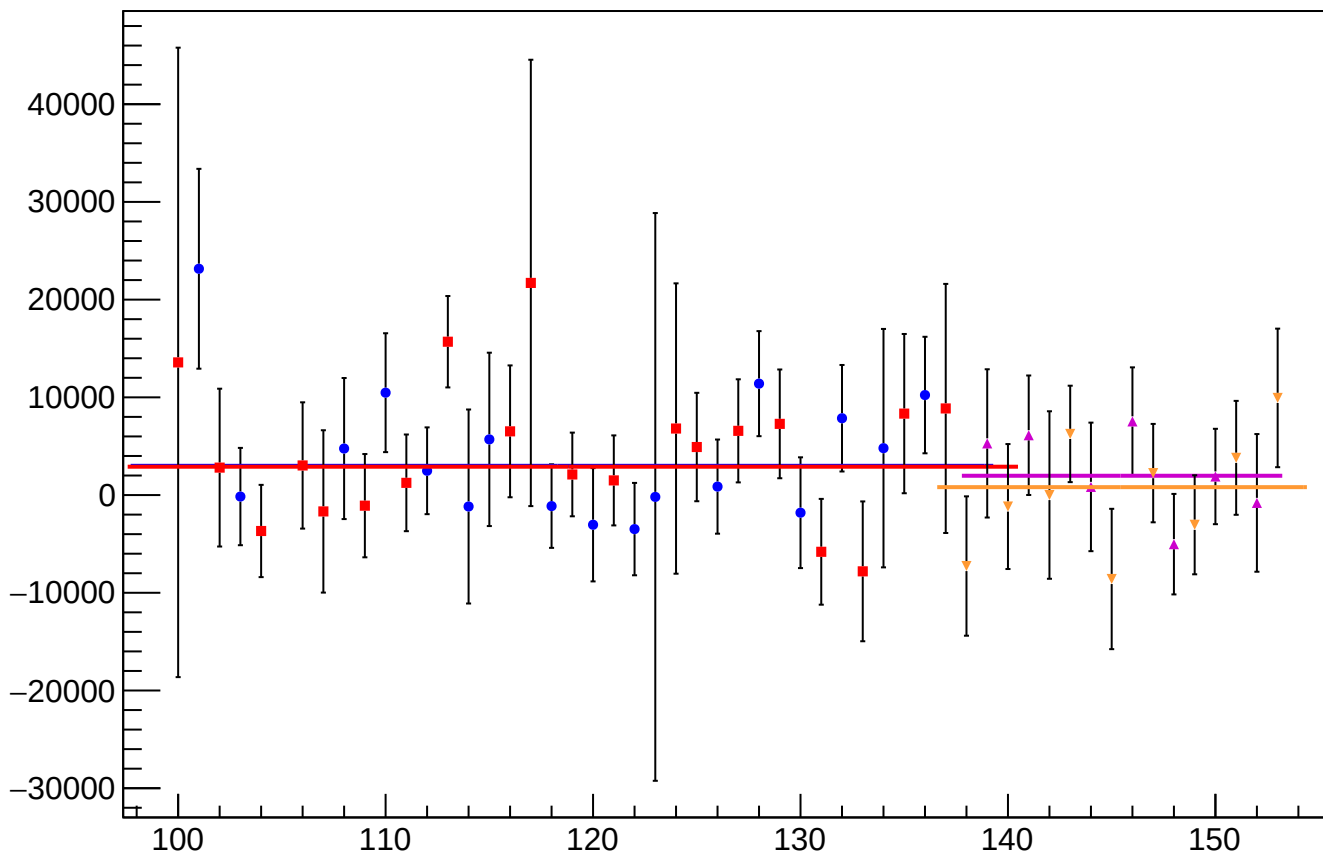
Left In: 4865.758 $\pm$ 1.456 χ^2 /NDF: 272264.4/6

2165.483 $\pm$ 0.524 χ^2 /NDF: 9223463.4/25

1949.130 $\pm$ 0.355 χ^2 /NDF: 21790099.2/5

1765.316 $\pm$ 0.483 χ^2 /NDF: 12251773.2/26

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 809.543 $\pm$ 2016.496 χ^2 /NDF: 6.9/8

Right Out: 2901.985 $\pm$ 1376.603 χ^2 /NDF: 18.4/19

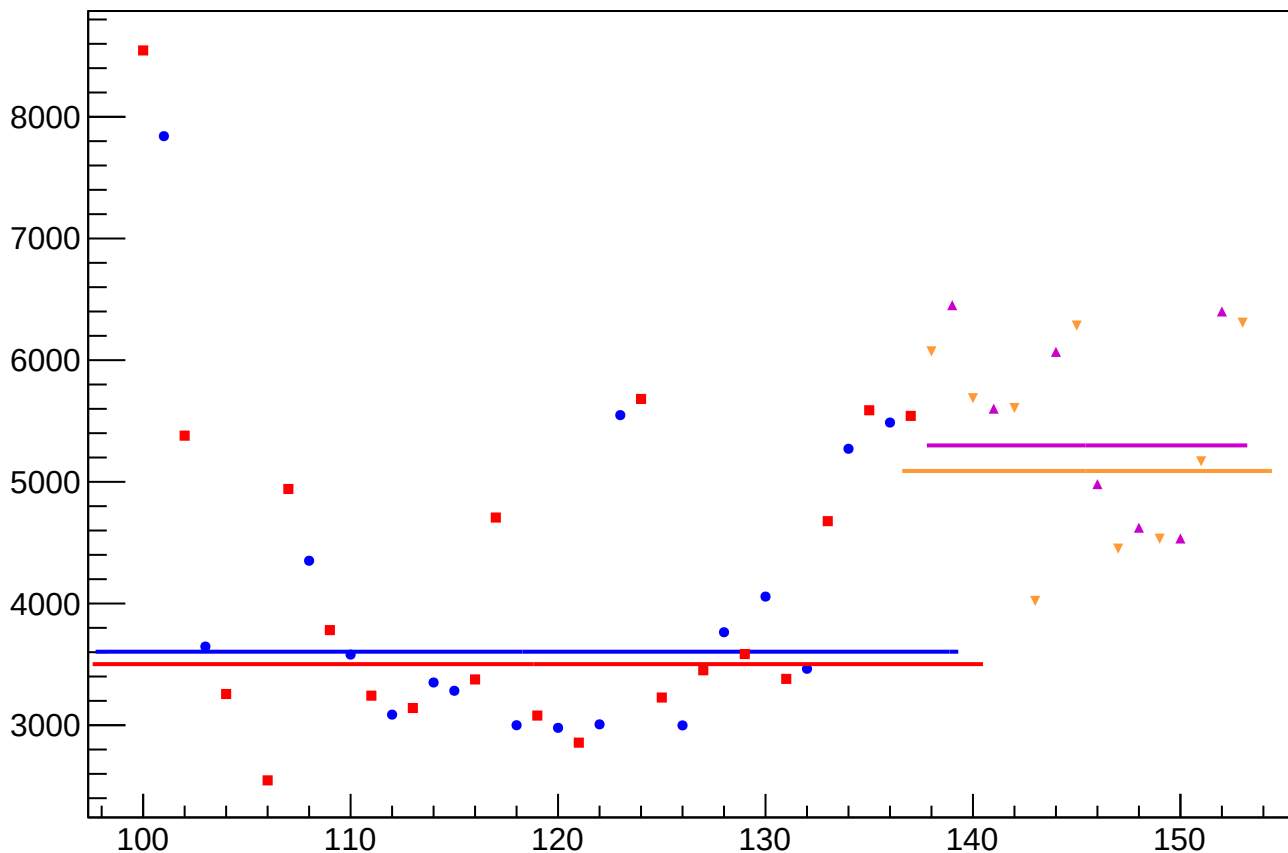
Left In: 1975.953 $\pm$ 2236.765 χ^2 /NDF: 3.7/6

2250.572 $\pm$ 1175.750 χ^2 /NDF: 23.4/25

2449.653 $\pm$ 830.181 χ^2 /NDF: 45.7/52

2647.589 $\pm$ 1172.364 χ^2 /NDF: 22.2/26

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 ± 1.023 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 5089.404 ± 1.426 $\chi^2/\text{NDF}: 327647.5/8$

Right Out: 3501.857 ± 0.960 $\chi^2/\text{NDF}: 667483.1/19$

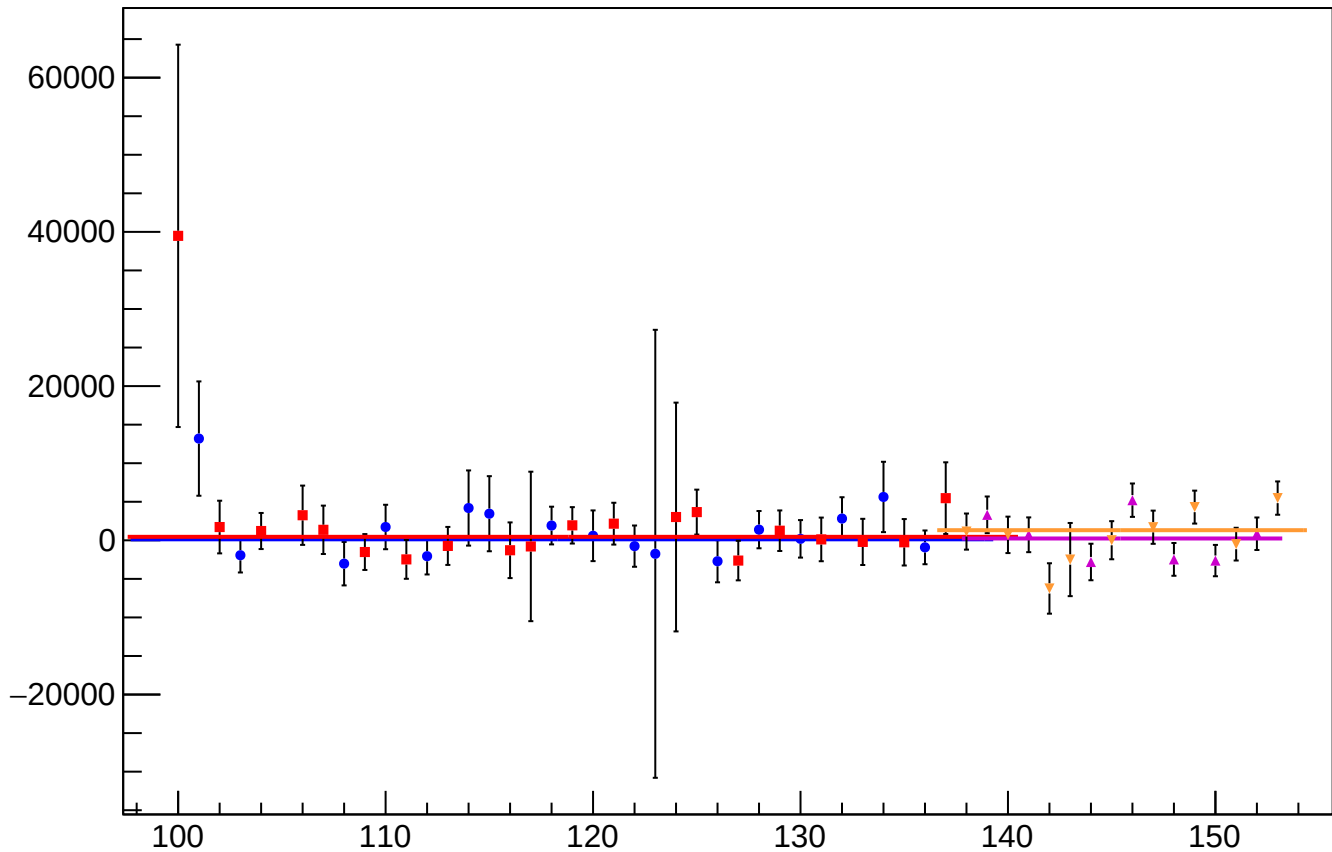
Left In: 5299.414 ± 1.582 $\chi^2/\text{NDF}: 217556.8/6$

4108.936 ± 0.831 $\chi^2/\text{NDF}: 1828685.8/25$

4046.540 ± 0.584 $\chi^2/\text{NDF}: 3668812.6/52$

3985.749 ± 0.821 $\chi^2/\text{NDF}: 1829006.4/26$

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1313.427 $\pm$ 807.324 χ^2 /NDF:12.8/8

Right Out: 452.872 $\pm$ 680.160 χ^2 /NDF: 10.7/19

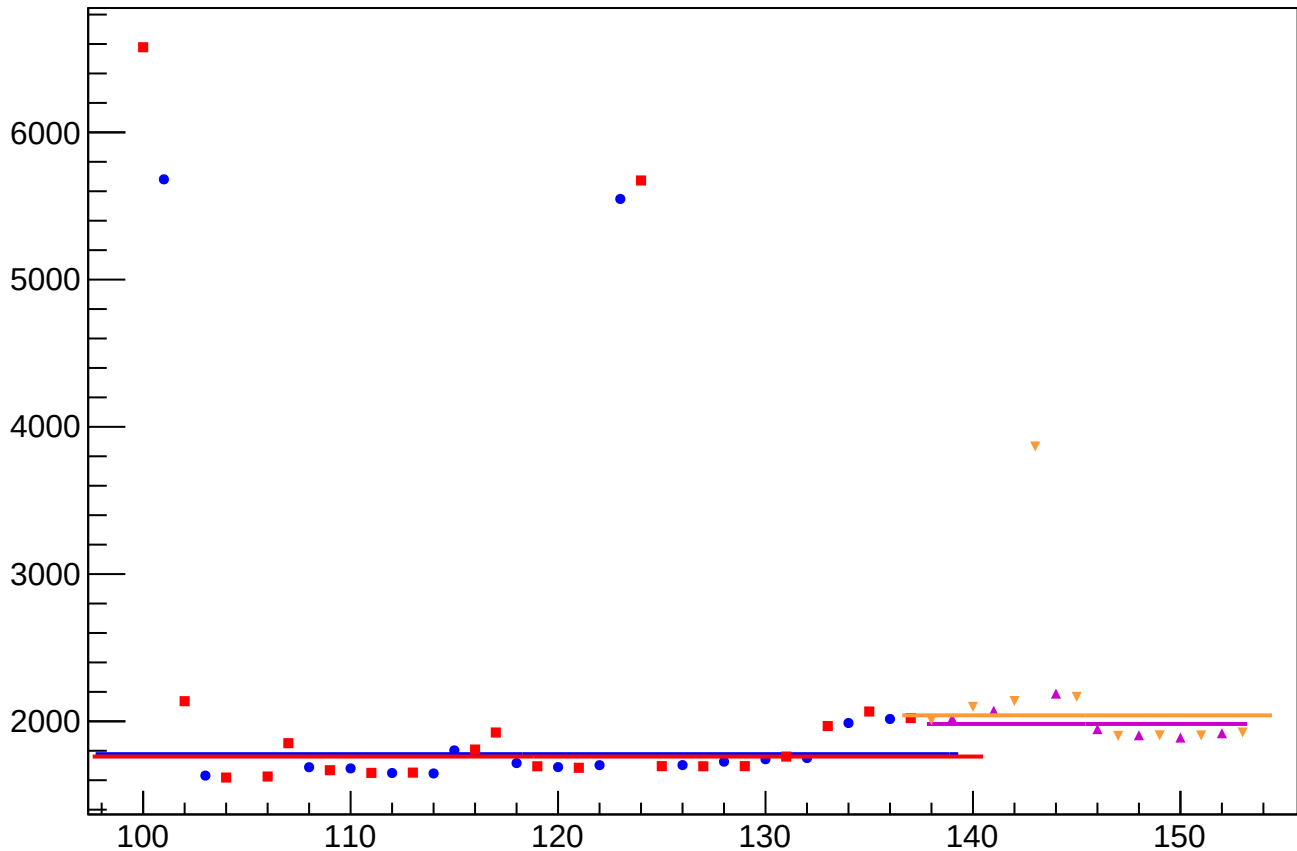
Left In: 237.465 $\pm$ 829.199 χ^2 /NDF:12.3/6

645.982 $\pm$ 532.816 χ^2 /NDF: 26.1/25

504.274 $\pm$ 374.281 χ^2 /NDF: 49.4/52

366.233 $\pm$ 525.879 χ^2 /NDF: 23.1/26

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2040.544+/-0.571 χ^2/NDF : 335280.7/8

Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

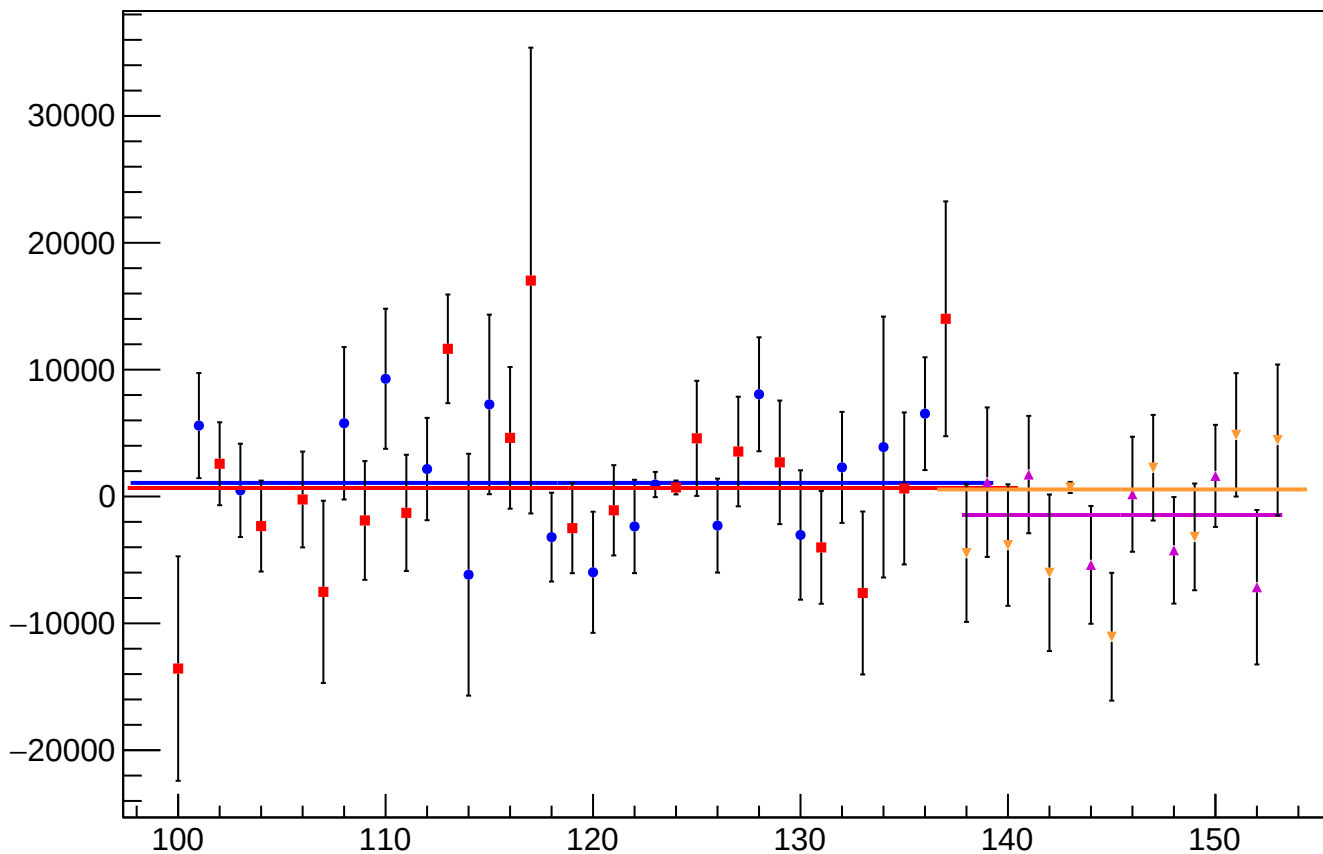
Left In: 1982.151+/-0.586 χ^2/NDF : 27910.3/6

1891.724+/-0.377 χ^2/NDF : 1099263.8/25

1870.046+/-0.264 χ^2/NDF : 1526079.8/52

1849.100+/-0.370 χ^2/NDF : 420306.5/26

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194 $\pm$ 752.280 χ^2 /NDF: 15.6/16

Left Out: 555.406 $\pm$ 425.662 χ^2 /NDF:10.4/8

Right Out: 670.313 $\pm$ 487.861 χ^2 /NDF: 20.6/19

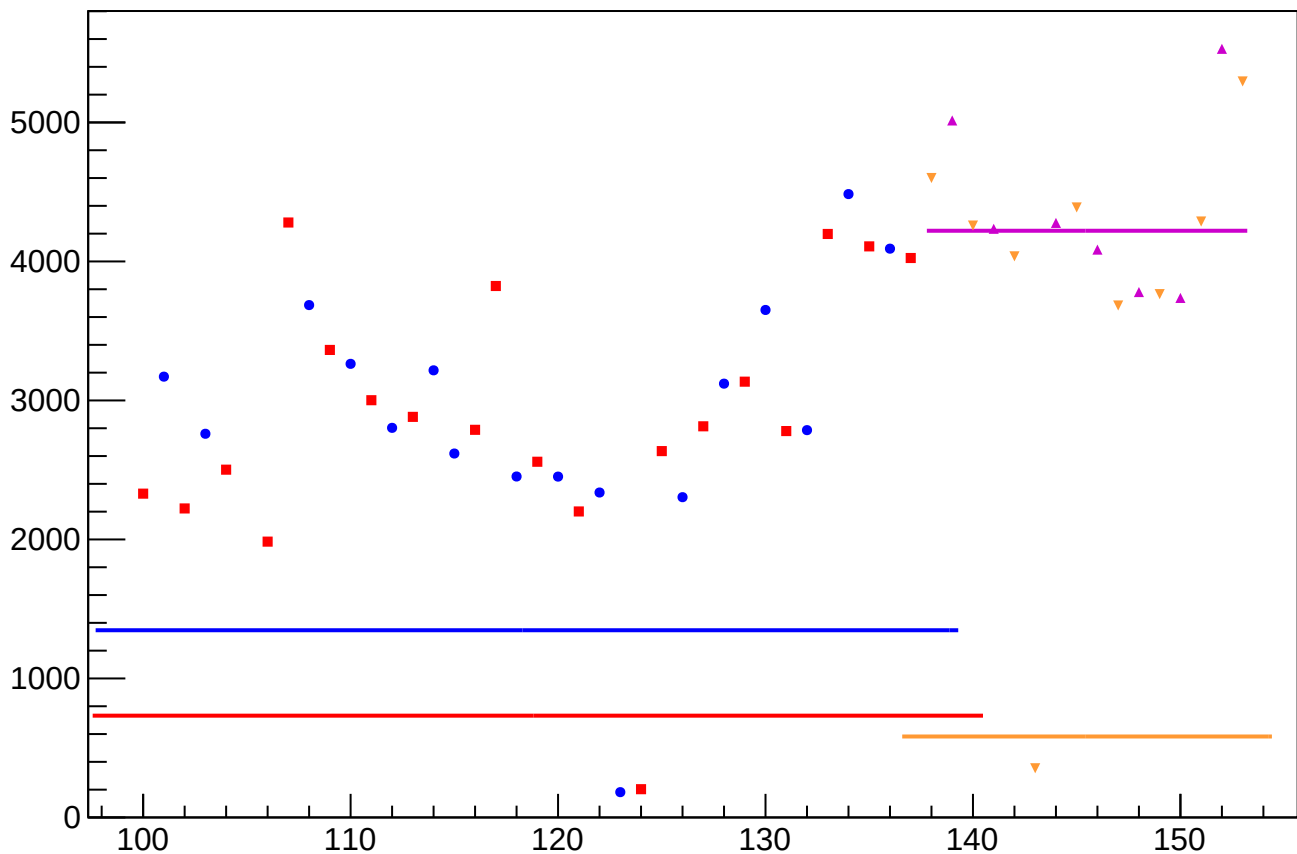
Left In: -1459.120 $\pm$ 1779.077 χ^2 /NDF:3.4/6

680.736 $\pm$ 370.468 χ^2 /NDF: 26.4/25

619.749 $\pm$ 291.067 χ^2 /NDF: 51.8/52

521.384 $\pm$ 470.492 χ^2 /NDF: 25.3/26

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 582.440 $\pm$ 0.301 χ^2 /NDF: 9256477.6/8

Right Out: 732.303 $\pm$ 0.345 χ^2 /NDF: 9559853.6/19

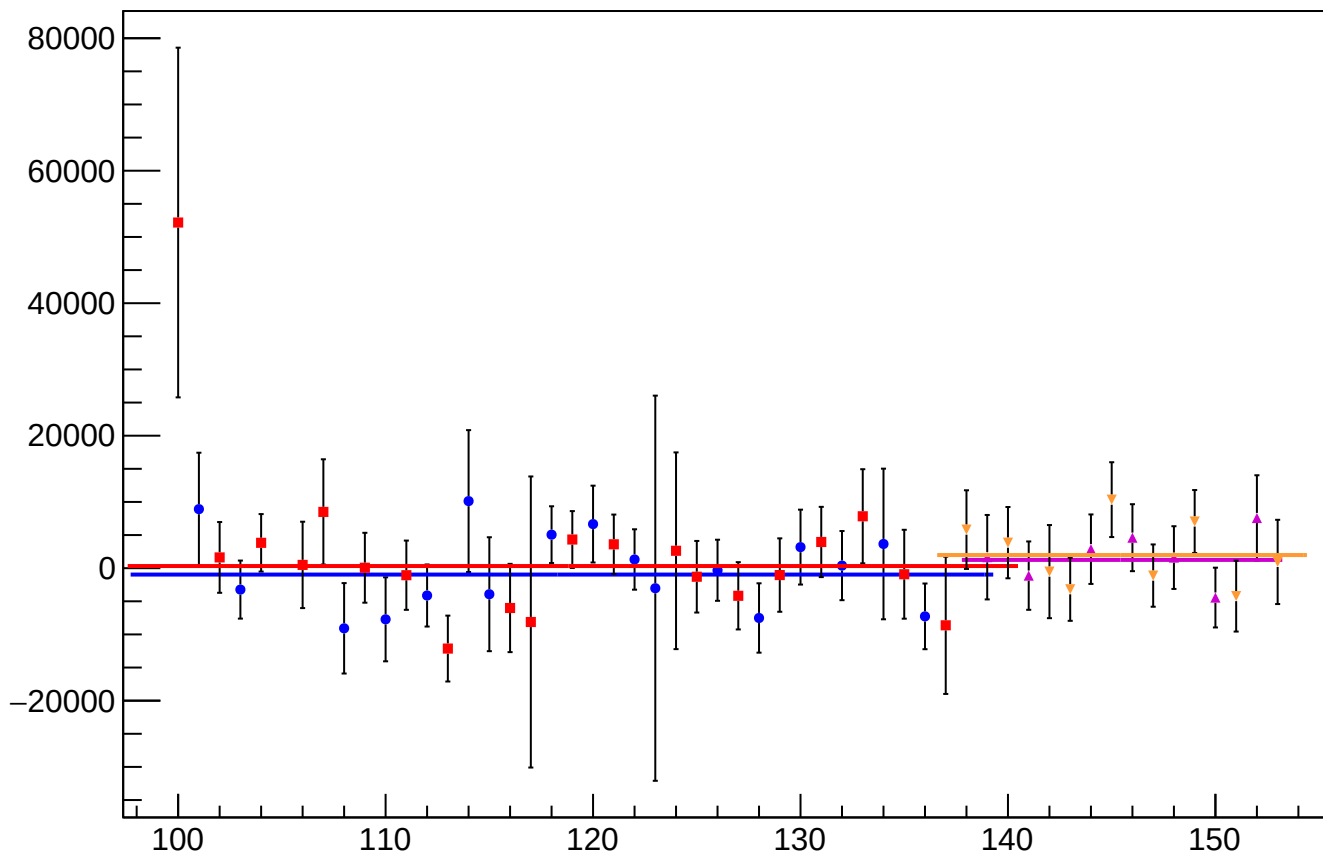
Left In: 4220.795 $\pm$ 1.258 χ^2 /NDF: 181644.3/6

767.819 $\pm$ 0.262 χ^2 /NDF: 17659748.5/25

847.602 $\pm$ 0.206 χ^2 /NDF: 34795614.5/52

976.283 $\pm$ 0.333 χ^2 /NDF: 16893502.3/26

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 $\chi^2/\text{NDF}: 13.7/16$

Left Out: 1983.820 ± 1802.666 $\chi^2/\text{NDF}: 7.0/8$

Right Out: 323.694 ± 1327.331 $\chi^2/\text{NDF}: 17.8/19$

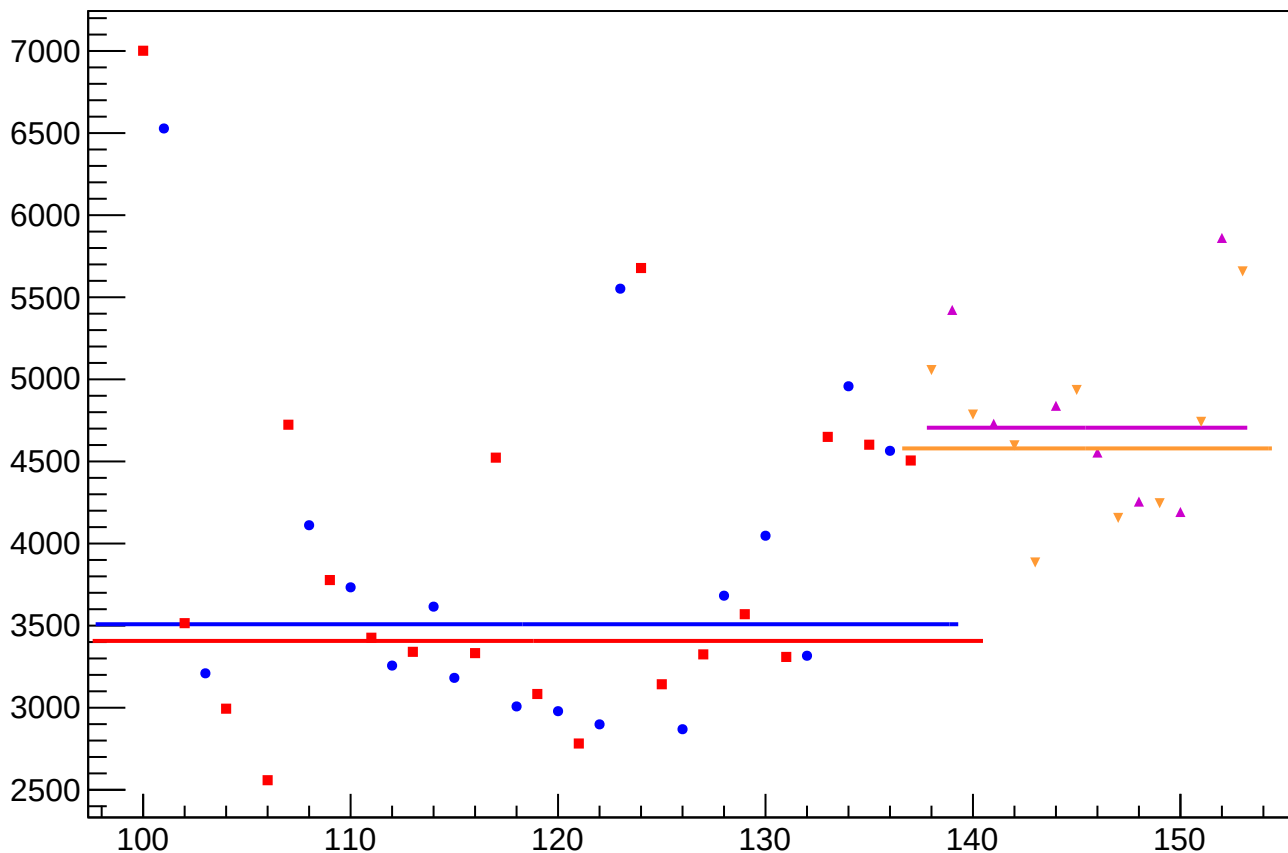
Left In: 1246.832 ± 1978.610 $\chi^2/\text{NDF}: 3.3/6$

140.632 ± 1103.550 $\chi^2/\text{NDF}: 22.4/25$

375.685 ± 779.878 $\chi^2/\text{NDF}: 43.7/52$

610.197 ± 1102.278 $\chi^2/\text{NDF}: 21.2/26$

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 ± 0.987 $\chi^2/\text{NDF}: 562197.7/16$

Left Out: 4579.354 ± 1.275 $\chi^2/\text{NDF}: 151728.4/8$

Right Out: 3406.868 ± 0.926 $\chi^2/\text{NDF}: 433737.9/19$

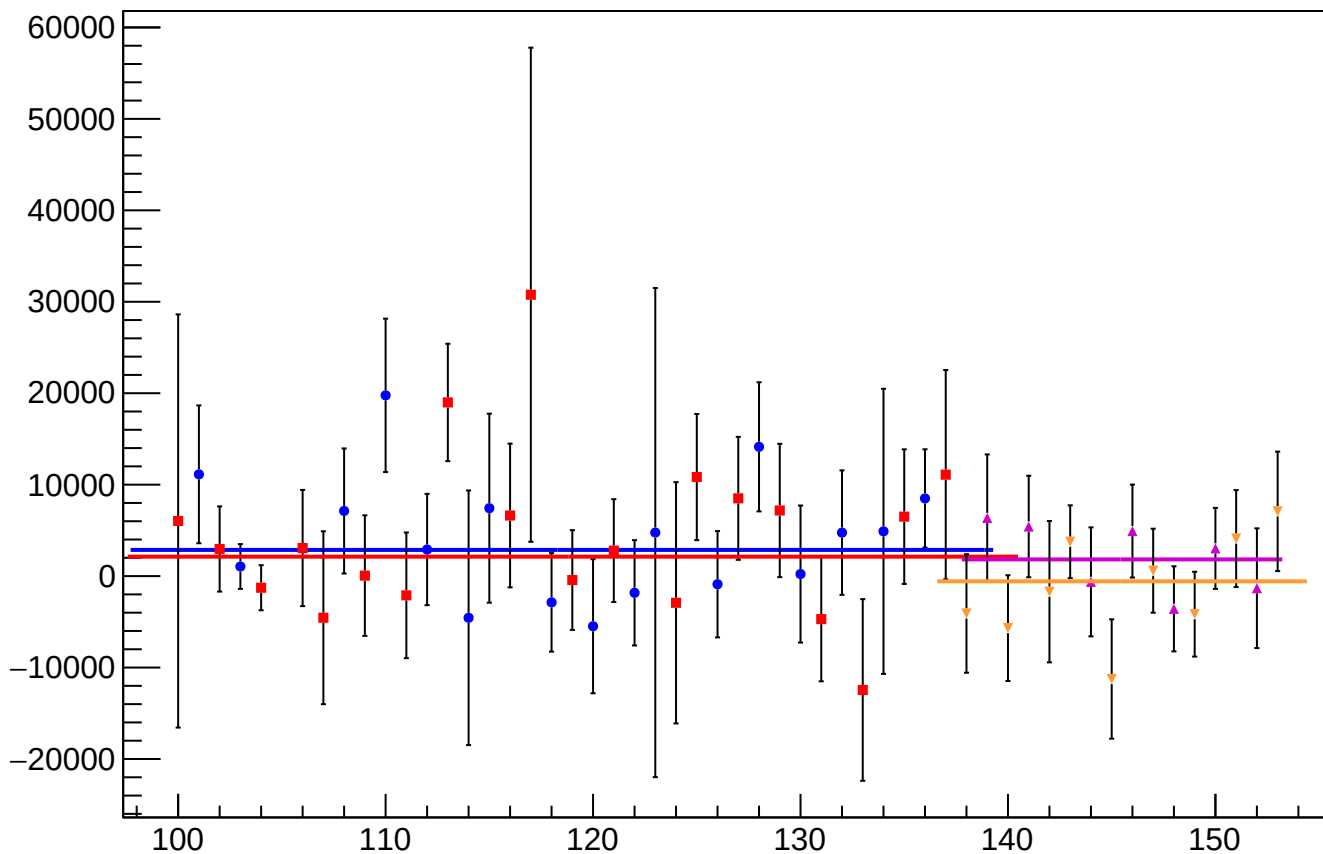
Left In: 4705.411 ± 1.399 $\chi^2/\text{NDF}: 136631.4/6$

3909.800 ± 0.780 $\chi^2/\text{NDF}: 1155213.7/25$

3855.707 ± 0.549 $\chi^2/\text{NDF}: 2333942.9/52$

3802.700 ± 0.772 $\chi^2/\text{NDF}: 1169214.8/26$

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: -570.501 $\pm$ 1796.646 χ^2 /NDF: 7.8/8

Right Out: 2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

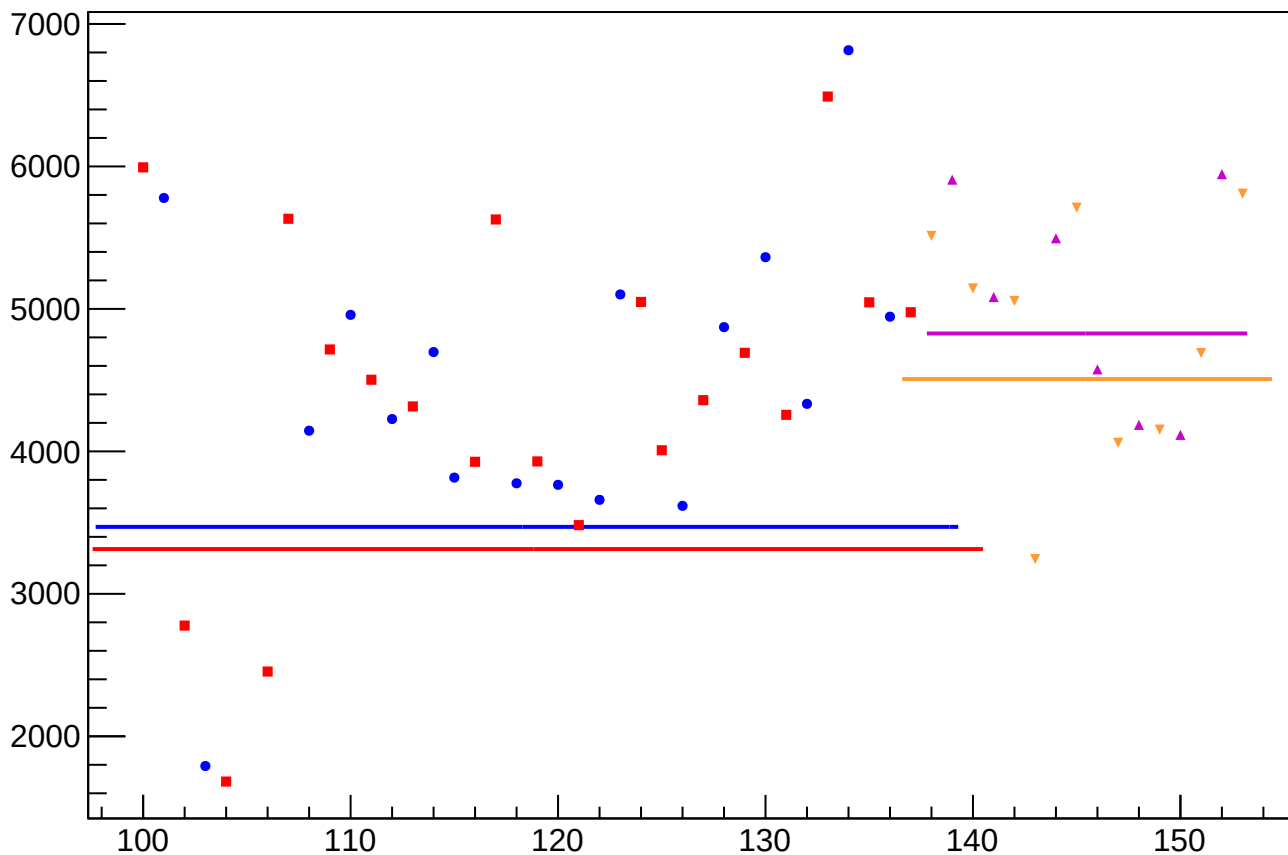
Left In: 1825.629 $\pm$ 2038.920 χ^2 /NDF: 3.0/6

1506.780 $\pm$ 1129.615 χ^2 /NDF: 24.0/25

1766.226 $\pm$ 803.349 χ^2 /NDF: 46.0/52

2031.724 $\pm$ 1142.713 χ^2 /NDF: 21.9/26

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: 4507.789 +/- 1.270 χ^2/NDF : 463940.2/8

Right Out: 3314.183 +/- 0.967 χ^2/NDF : 1925484.9/19

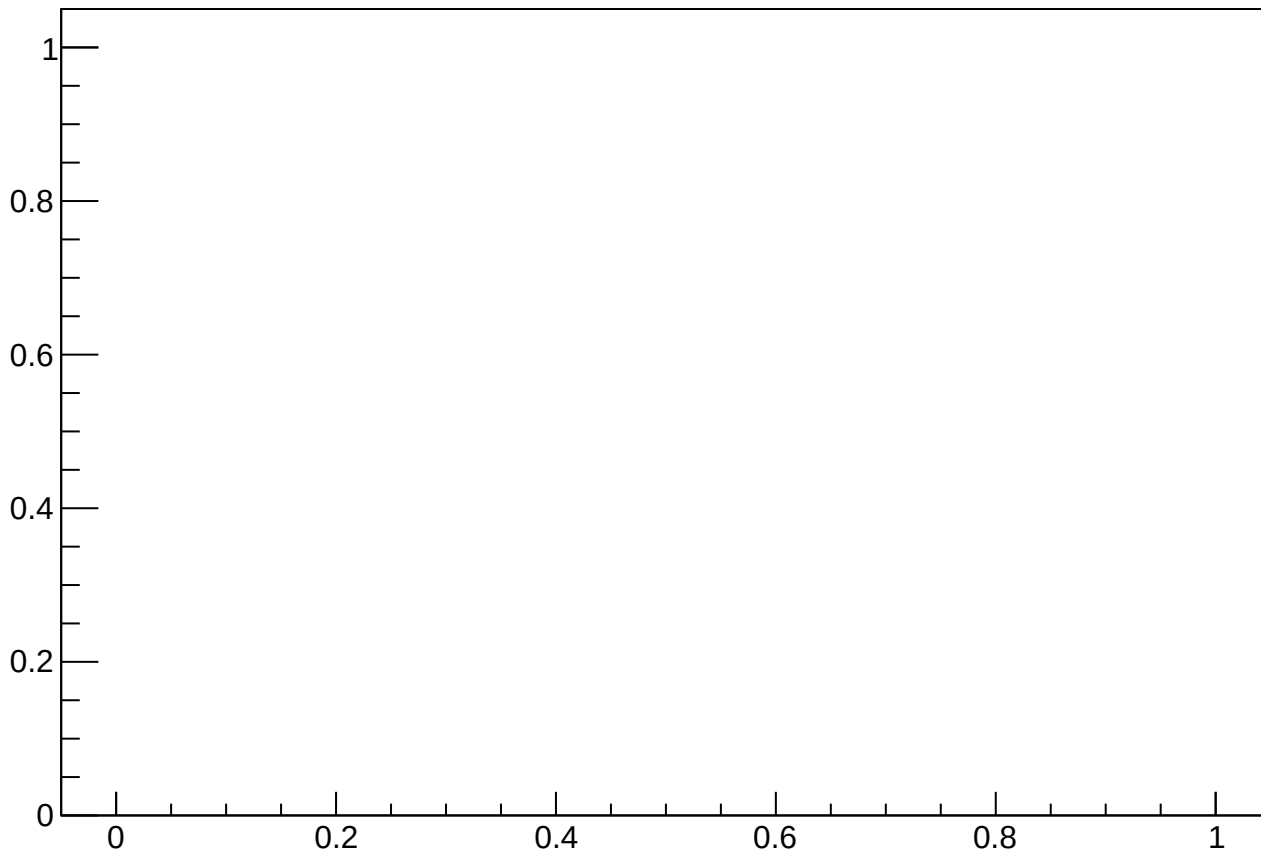
Left In: 4827.341 +/- 1.442 χ^2/NDF : 230737.8/6

3880.260 +/- 0.799 χ^2/NDF : 2628288.5/25

3832.145 +/- 0.566 χ^2/NDF : 5551675.2/52

3783.524 +/- 0.803 χ^2/NDF : 2916091.3/26

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

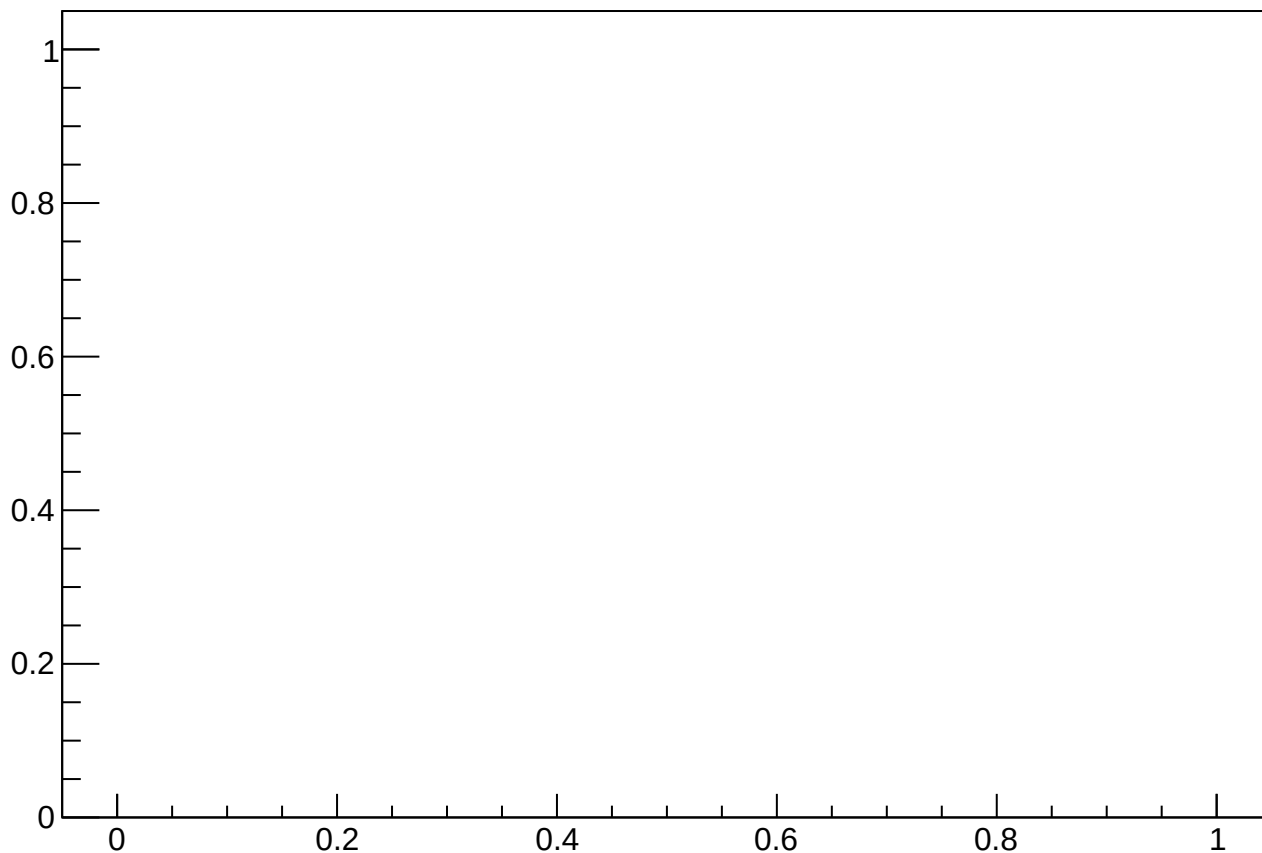
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

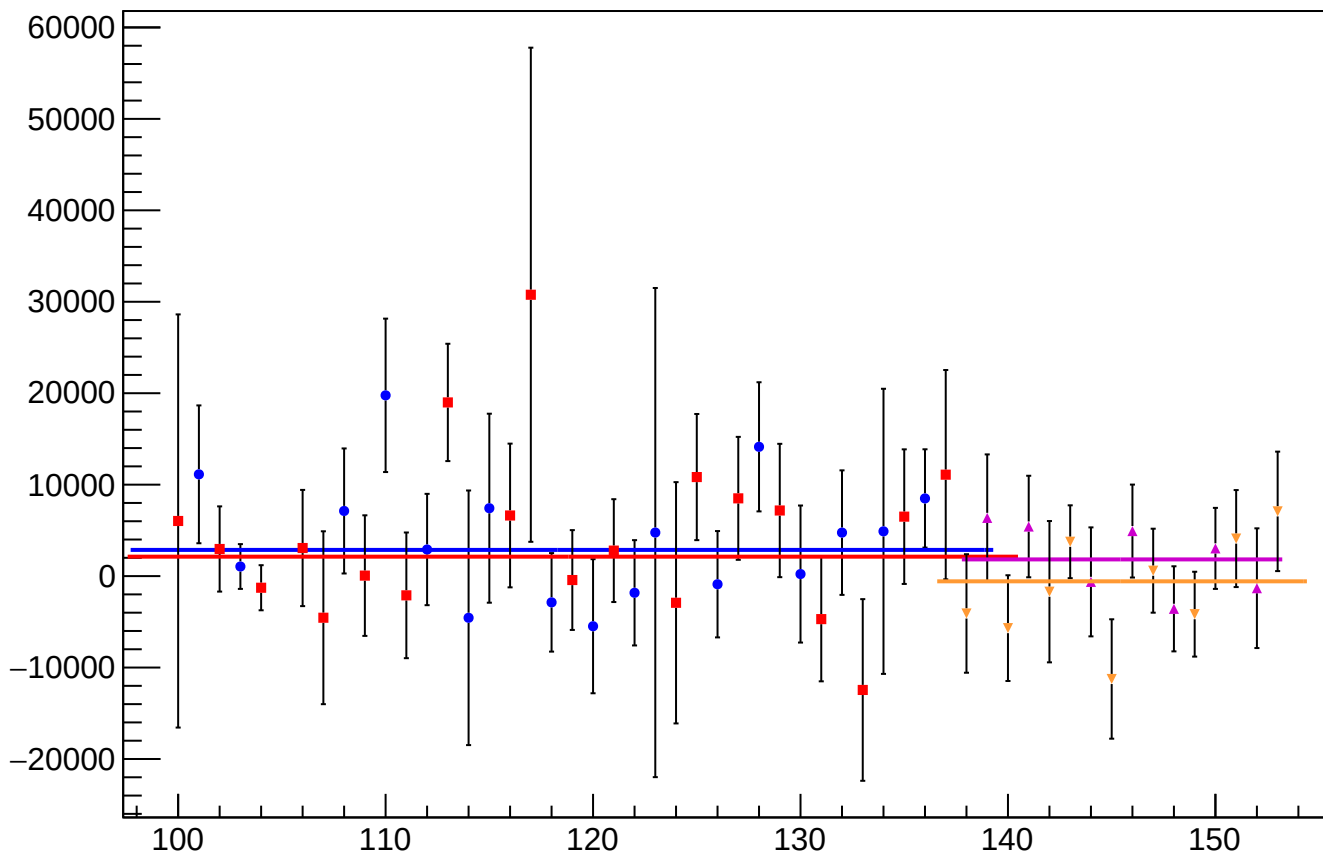
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -570.501+/-1796.646 χ^2/NDF : 7.8/8

Right Out: 2126.105+/-1379.774 χ^2/NDF : 18.8/19

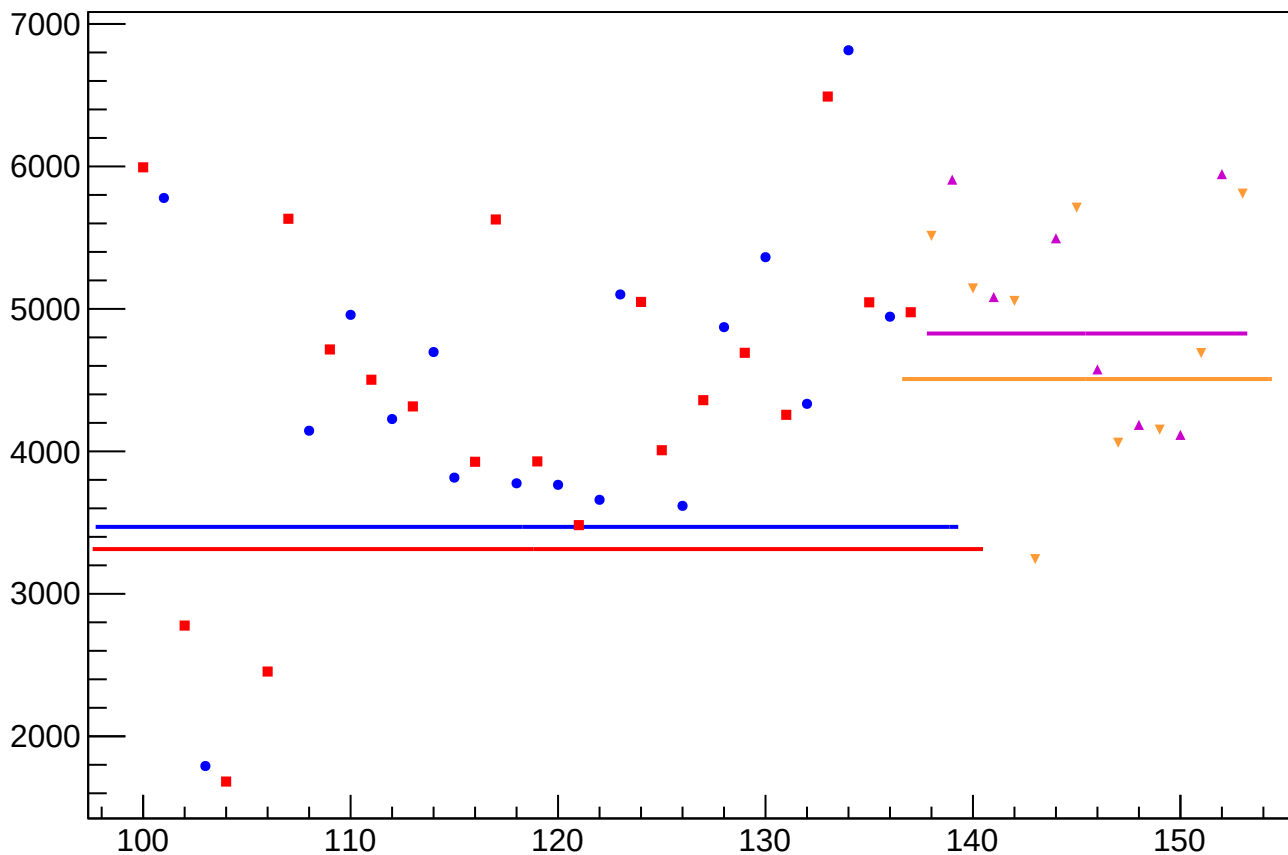
Left In: 1825.629+/-2038.920 χ^2/NDF : 3.0/6

1506.780+/-1129.615 χ^2/NDF : 24.0/25

1766.226+/-803.349 χ^2/NDF : 46.0/52

2031.724+/-1142.713 χ^2/NDF : 21.9/26

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: 4507.789 +/- 1.270 χ^2/NDF : 463940.2/8

Right Out: 3314.183 +/- 0.967 χ^2/NDF : 1925484.9/19

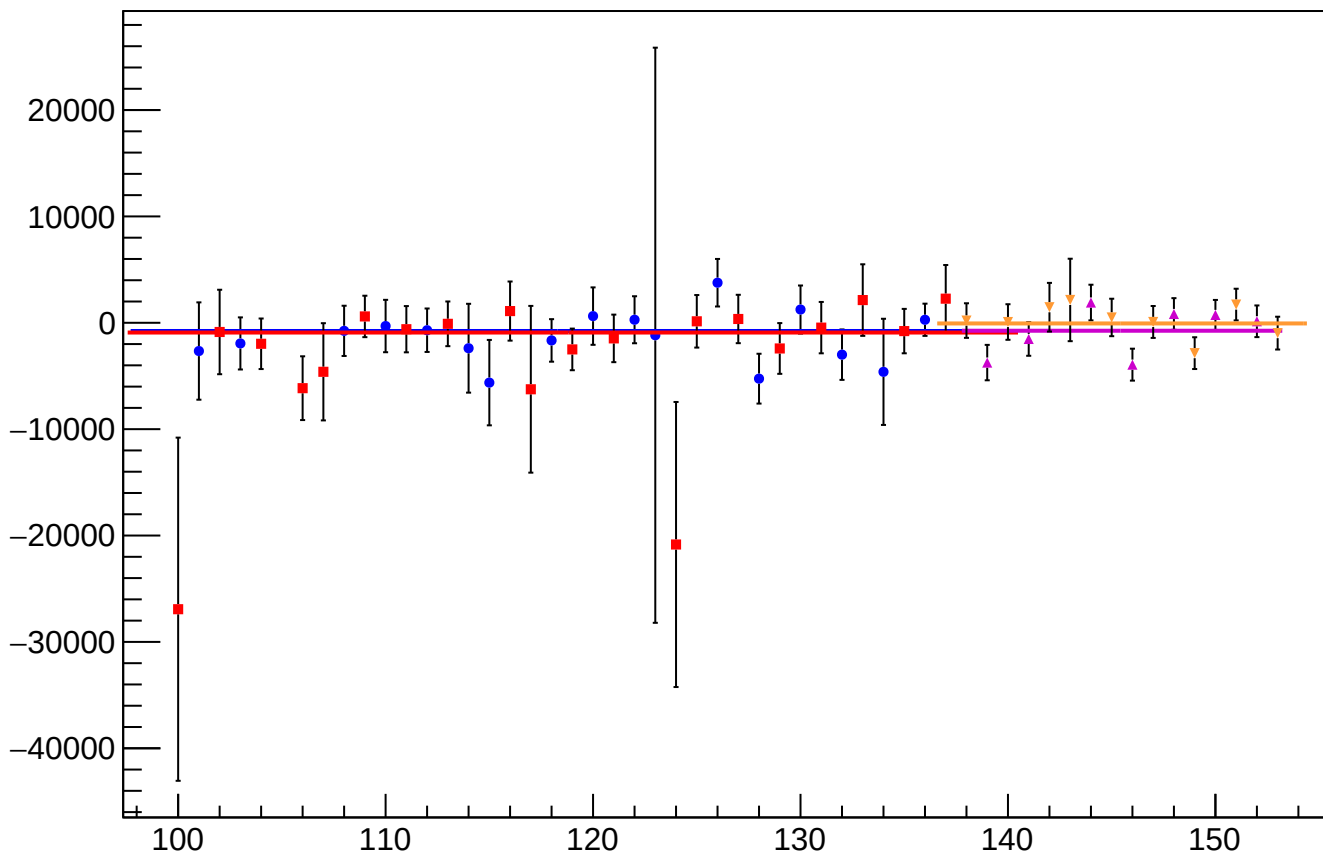
Left In: 4827.341 +/- 1.442 χ^2/NDF : 230737.8/6

3880.260 +/- 0.799 χ^2/NDF : 2628288.5/25

3832.145 +/- 0.566 χ^2/NDF : 5551675.2/52

3783.524 +/- 0.803 χ^2/NDF : 2916091.3/26

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: -61.492+/-569.721 χ^2/NDF : 6.2/8

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

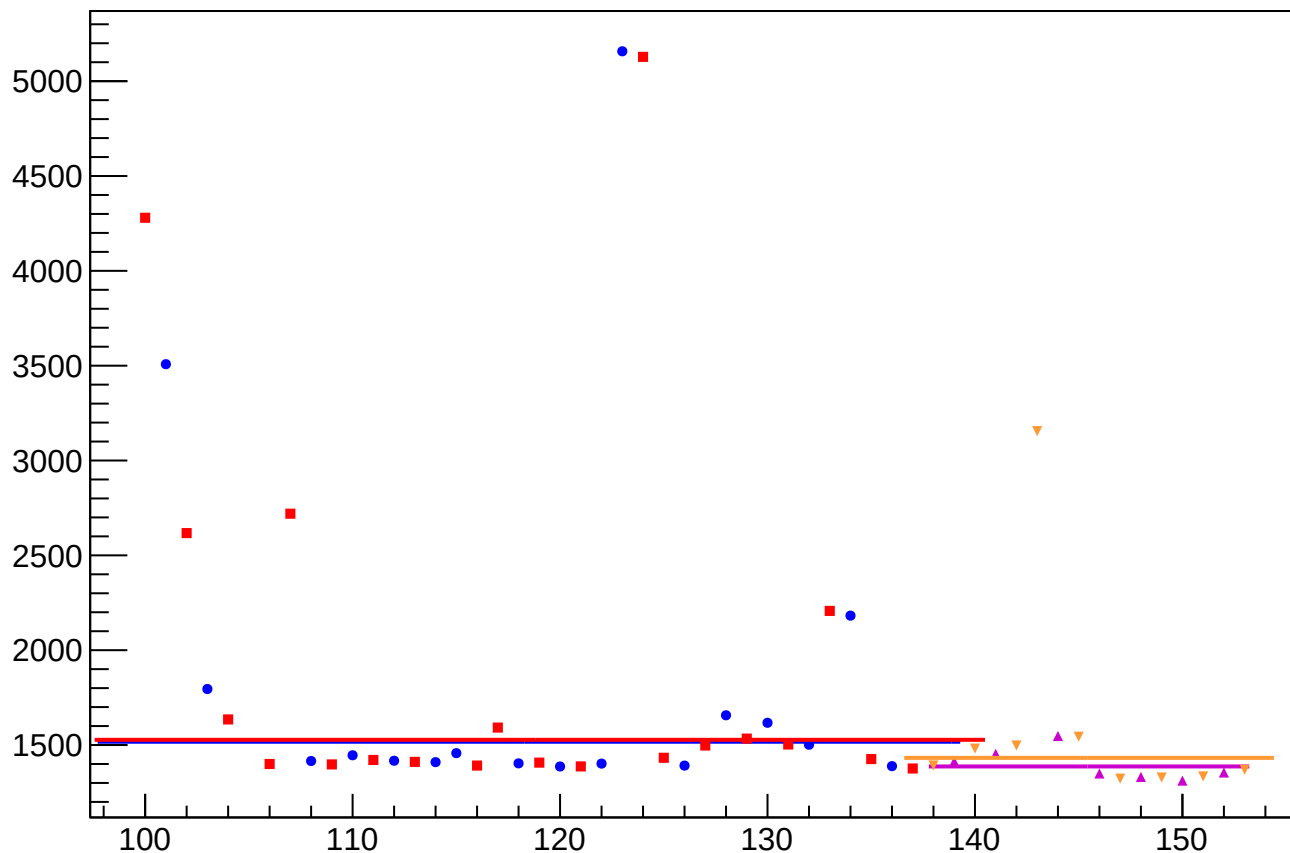
Left In: -747.276+/-580.657 χ^2/NDF : 13.1/6

-395.796+/-414.342 χ^2/NDF : 20.2/25

-612.435+/-293.216 χ^2/NDF : 47.8/52

-829.762+/-415.000 χ^2/NDF : 27.1/26

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: 1432.268+/-0.403 χ^2/NDF : 439855.5/8

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

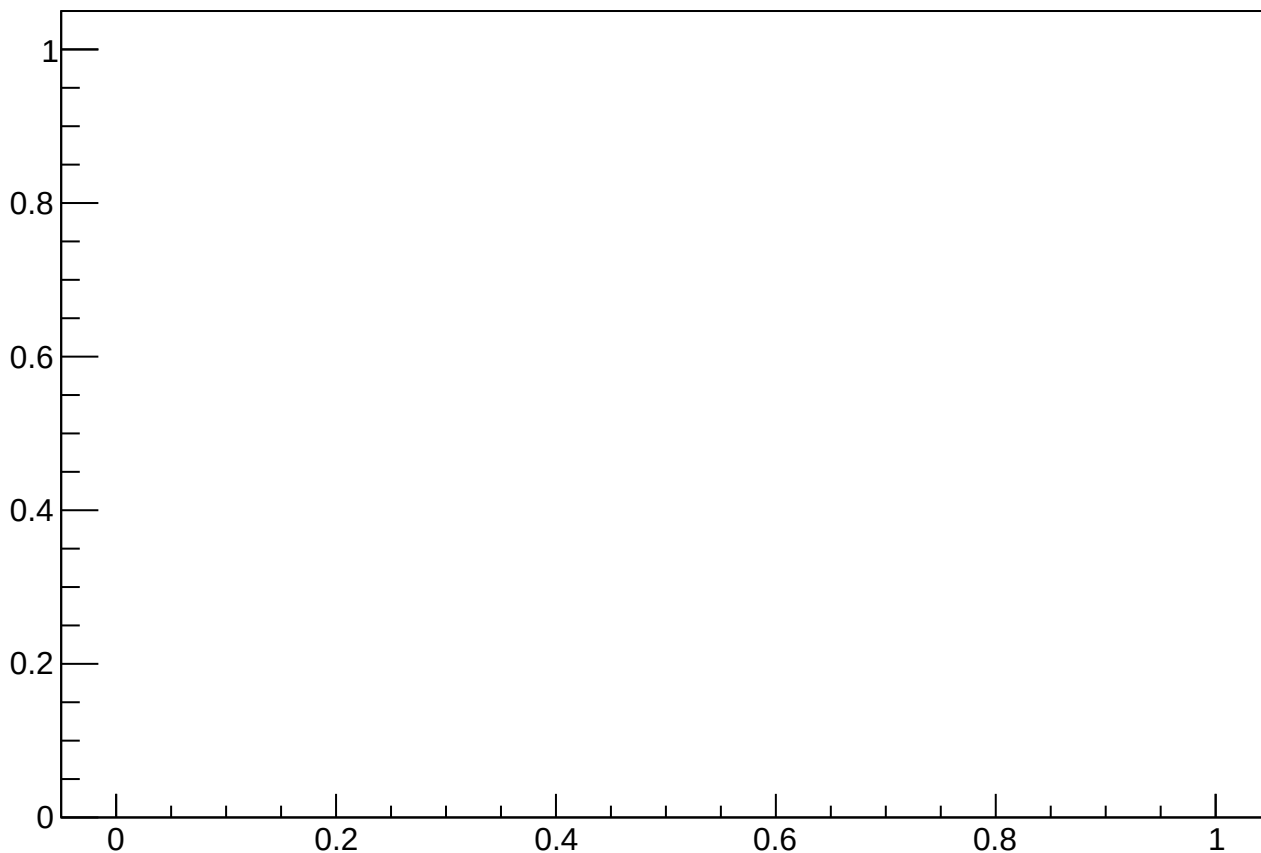
Left In: 1386.985+/-0.411 χ^2/NDF : 32927.9/6

1472.341+/-0.293 χ^2/NDF : 997522.5/25

1464.016+/-0.207 χ^2/NDF : 1721084.2/52

1455.665+/-0.293 χ^2/NDF : 721944.3/26

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

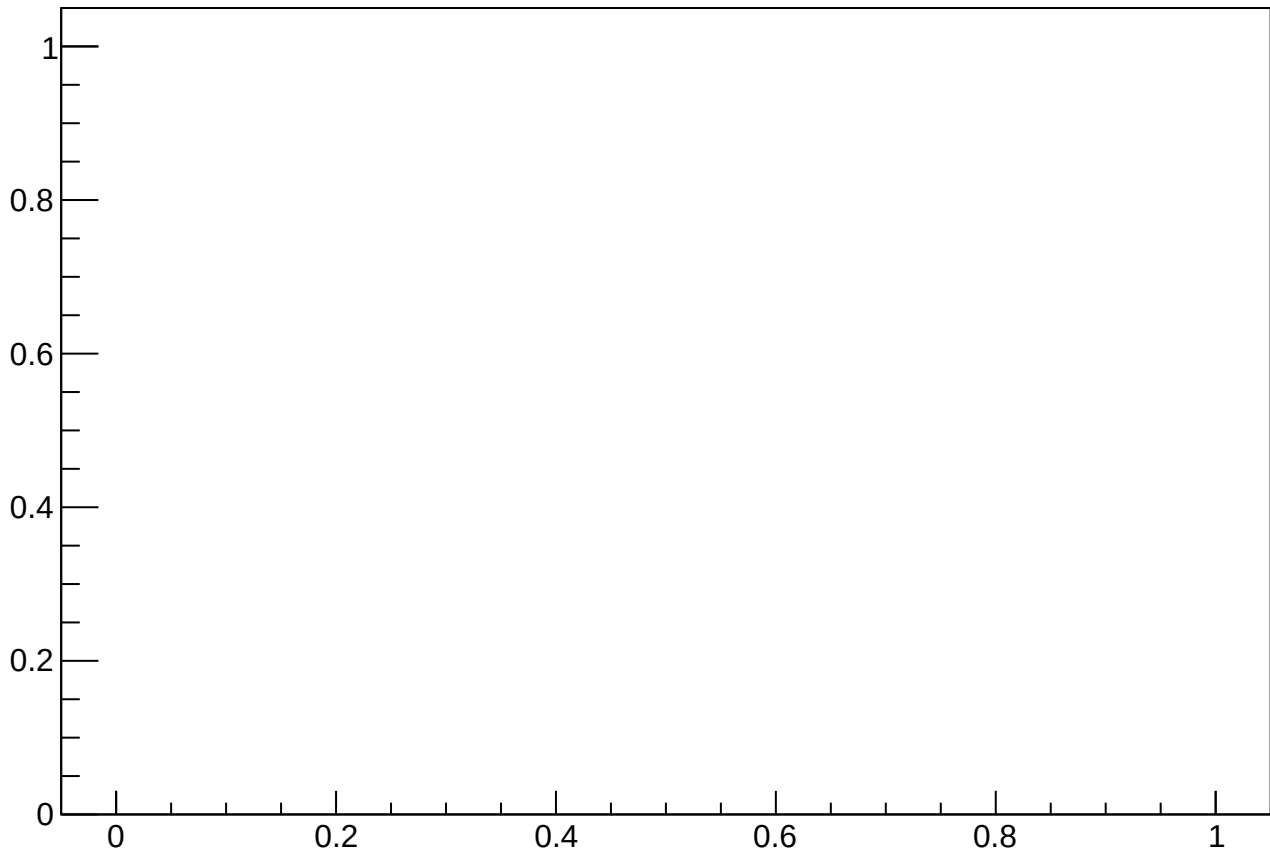
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

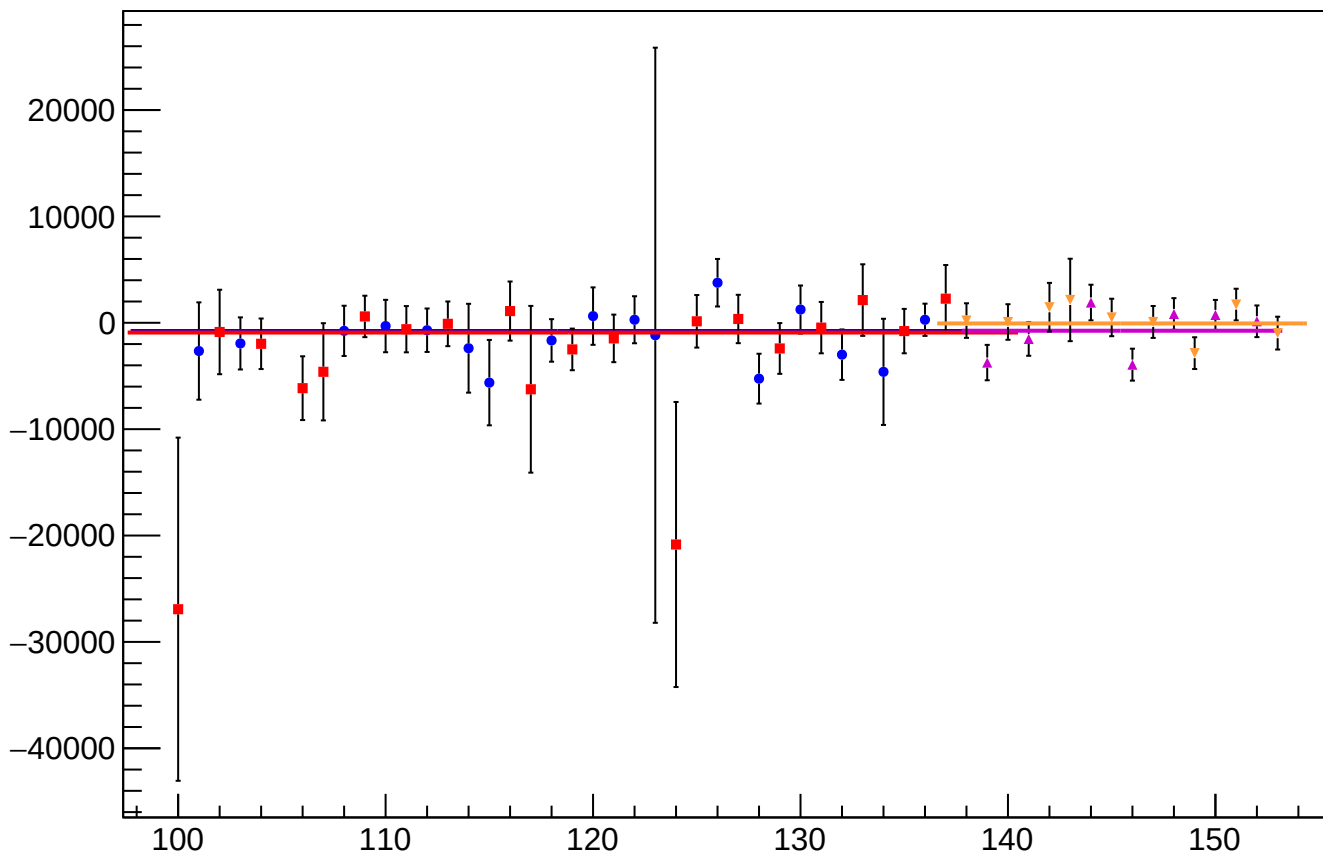
asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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: -61.492+/-569.721 χ^2/NDF : 6.2/8

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

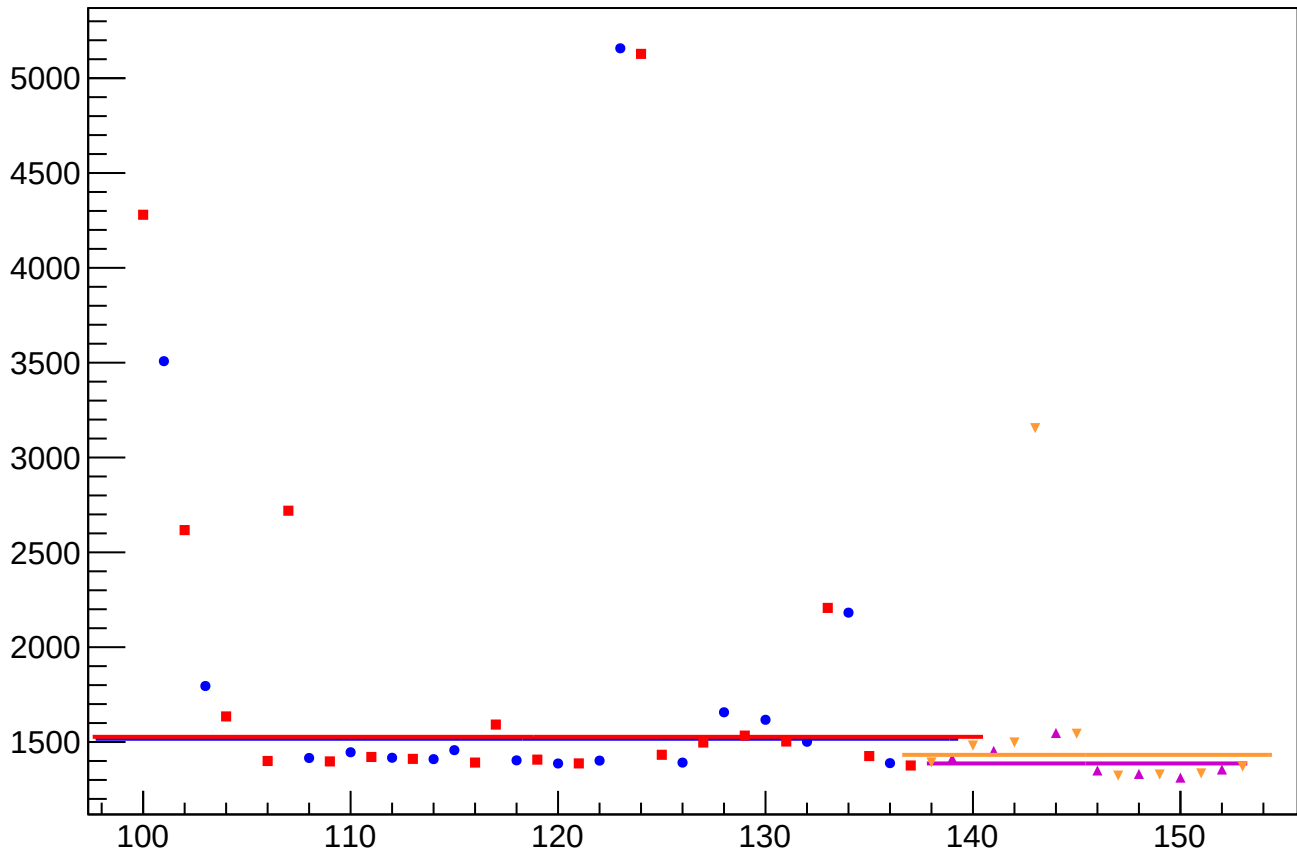
Left In: -747.276+/-580.657 χ^2/NDF : 13.1/6

-395.796+/-414.342 χ^2/NDF : 20.2/25

-612.435+/-293.216 χ^2/NDF : 47.8/52

-829.762+/-415.000 χ^2/NDF : 27.1/26

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: 1432.268+/-0.403 χ^2/NDF : 439855.5/8

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

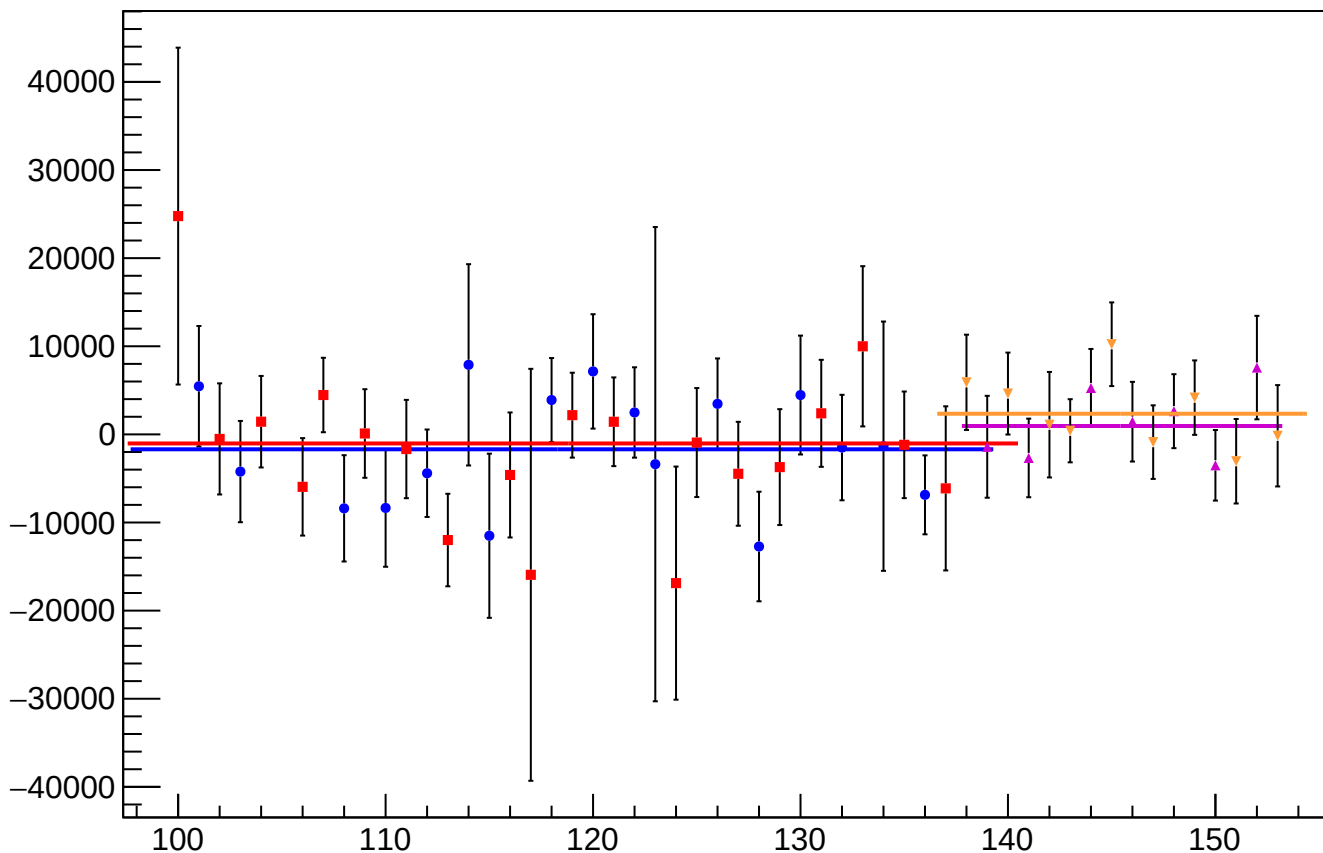
Left In: 1386.985+/-0.411 χ^2/NDF : 32927.9/6

1472.341+/-0.293 χ^2/NDF : 997522.5/25

1464.016+/-0.207 χ^2/NDF : 1721084.2/52

1455.665+/-0.293 χ^2/NDF : 721944.3/26

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: 2343.098 $\pm$ 1547.090 χ^2 /NDF: 6.0/8

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

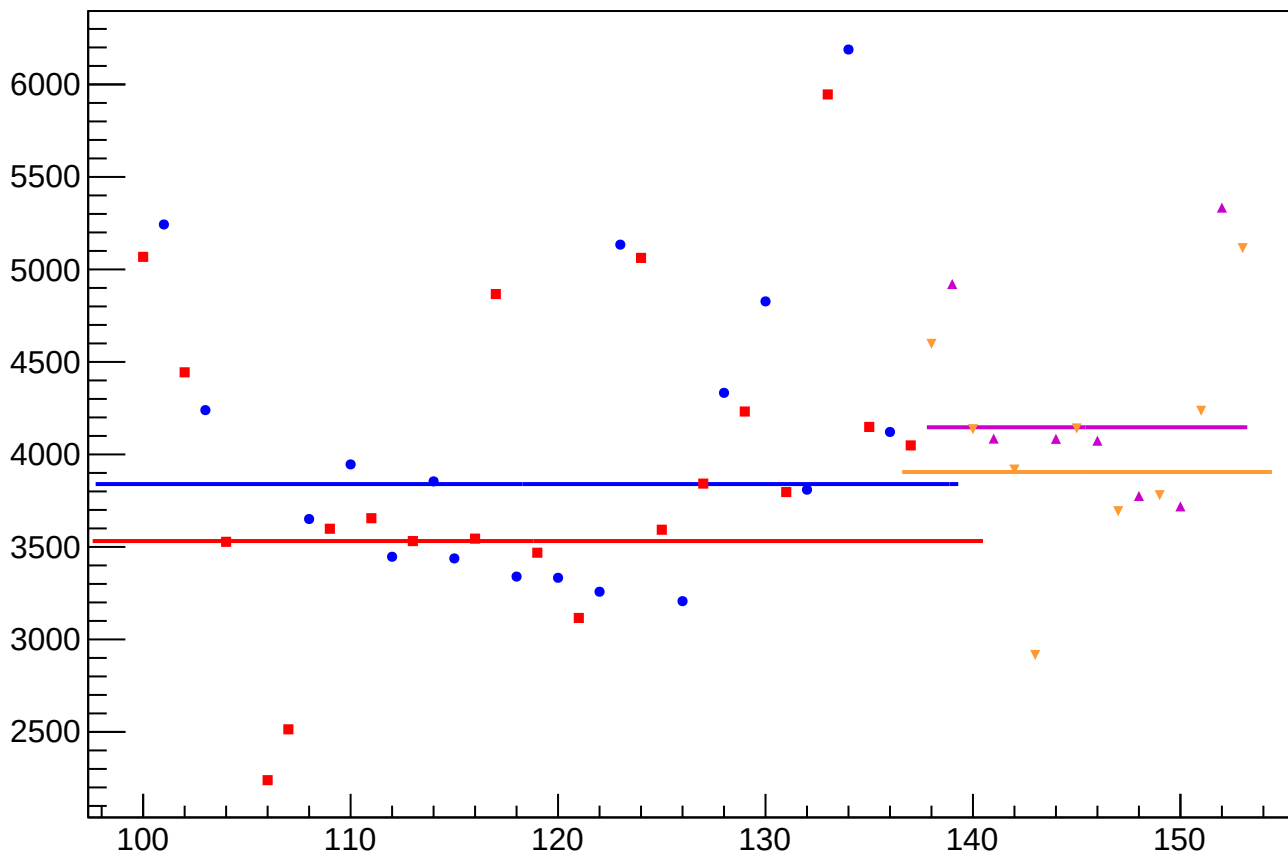
Left In: 952.773 $\pm$ 1745.372 χ^2 /NDF: 4.5/6

280.208 $\pm$ 1081.680 χ^2 /NDF: 25.3/25

5.115 $\pm$ 764.556 χ^2 /NDF: 45.1/52

-269.537 $\pm$ 1080.811 χ^2 /NDF: 19.6/26

reg_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: 3904.956 ± 1.094 $\chi^2/\text{NDF}: 300158.3/8$

Right Out: 3531.881 ± 0.965 $\chi^2/\text{NDF}: 561331.4/19$

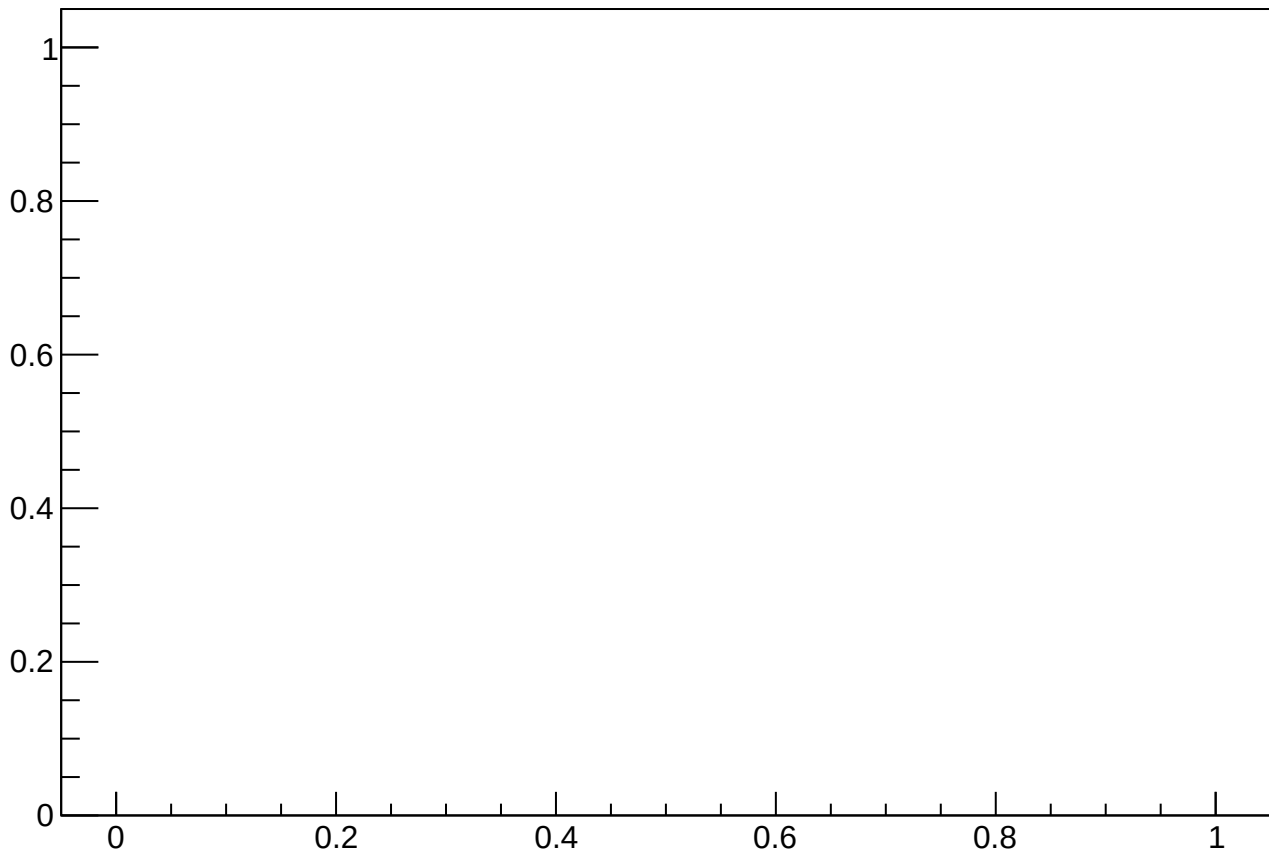
Left In: 4146.892 ± 1.234 $\chi^2/\text{NDF}: 157459.5/6$

3871.625 ± 0.765 $\chi^2/\text{NDF}: 627933.6/25$

3818.008 ± 0.539 $\chi^2/\text{NDF}: 1510657.8/52$

3765.075 ± 0.760 $\chi^2/\text{NDF}: 872958.6/26$

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

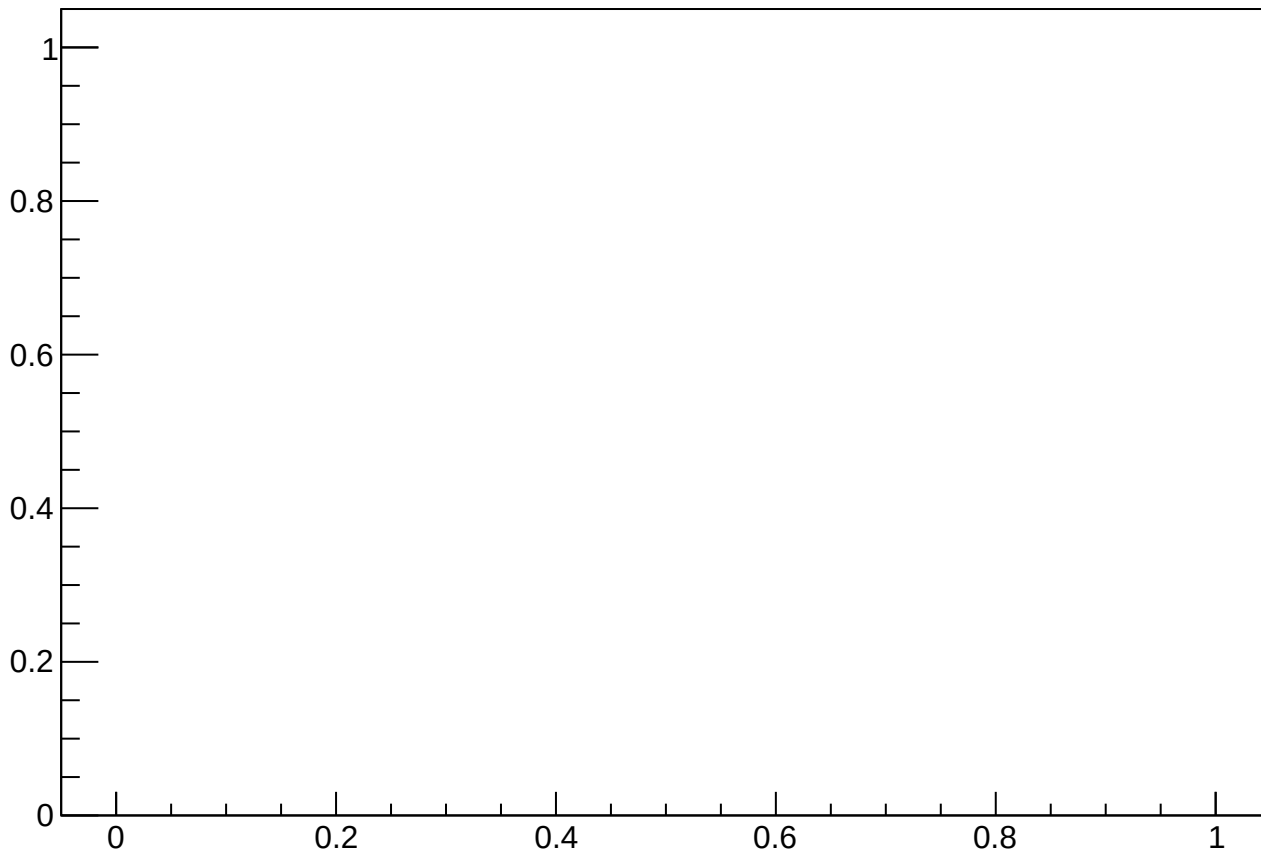
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

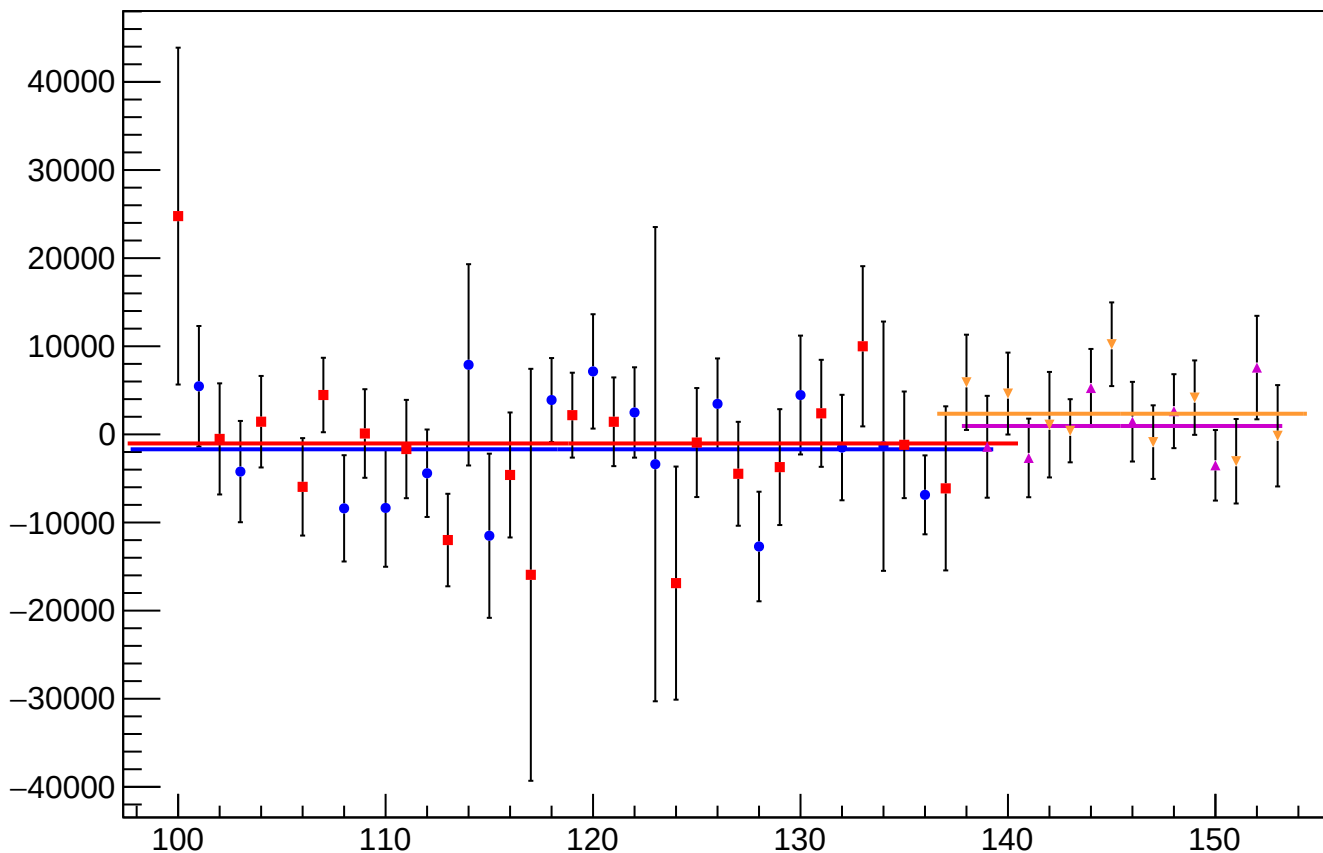
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 2343.098 ± 1547.090 χ^2/NDF : 6.0/8

Right Out: -1029.768 ± 1376.481 χ^2/NDF : 14.3/19

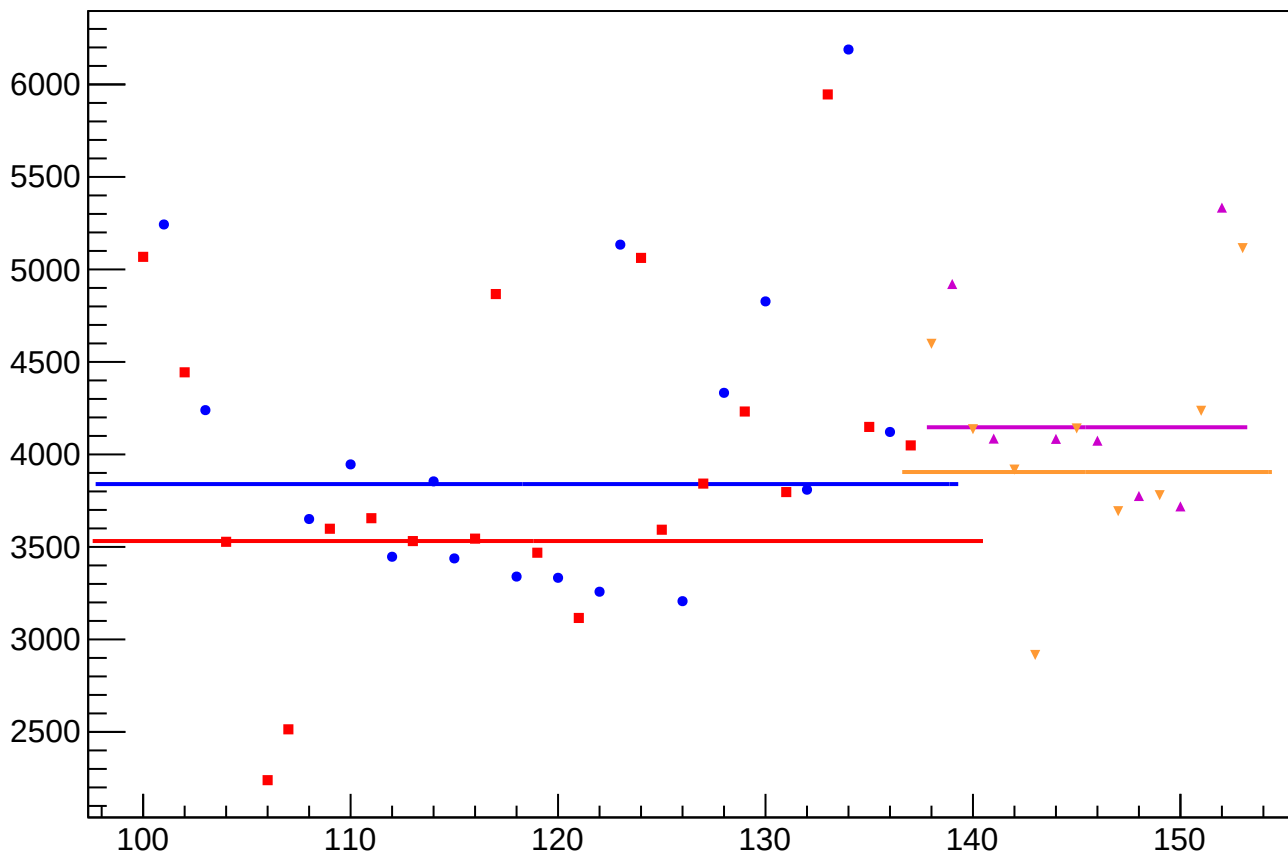
Left In: 952.773 ± 1745.372 χ^2/NDF : 4.5/6

280.208 ± 1081.680 χ^2/NDF : 25.3/25

5.115 ± 764.556 χ^2/NDF : 45.1/52

-269.537 ± 1080.811 χ^2/NDF : 19.6/26

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: 3904.956+/-1.094 χ^2/NDF : 300158.3/8

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

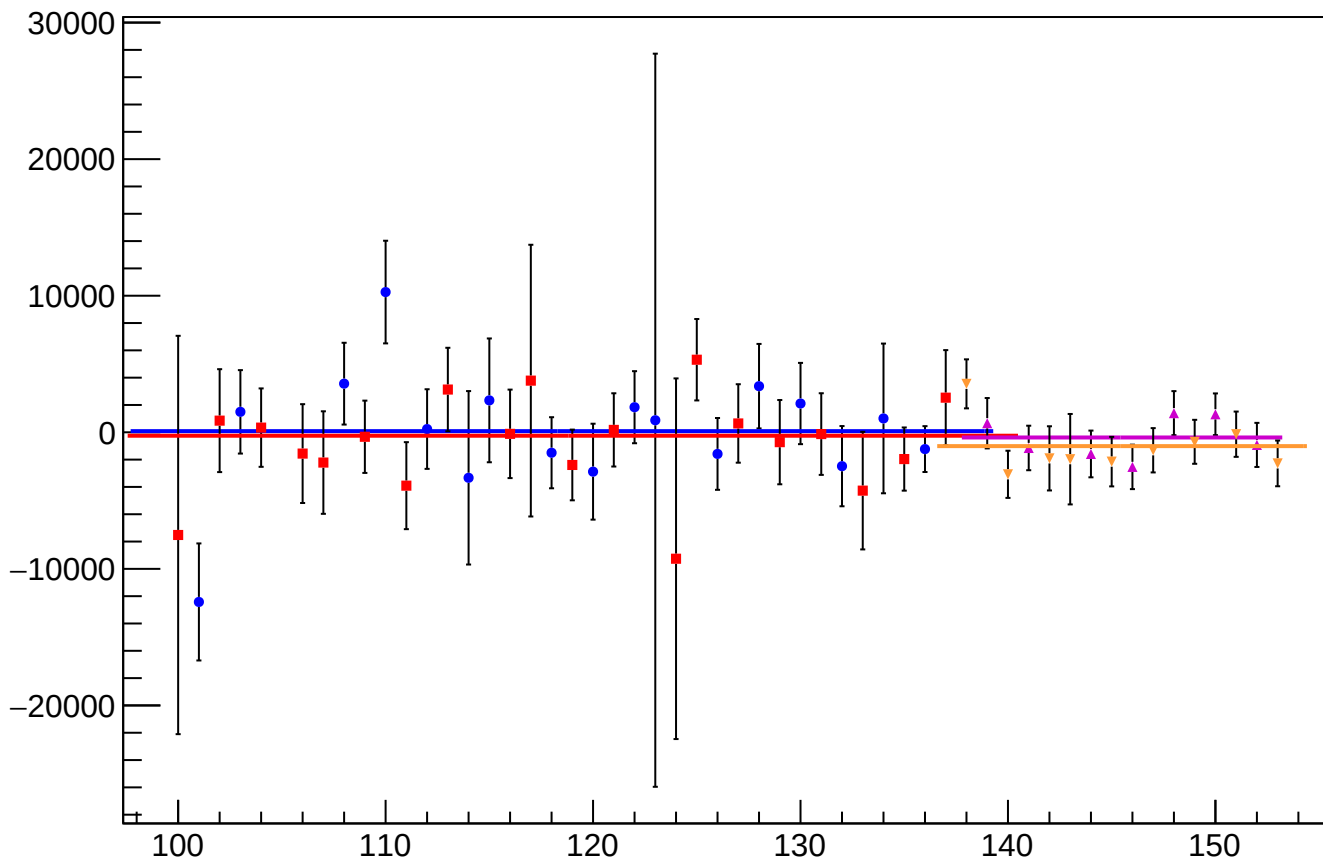
Left In: 4146.892+/-1.234 χ^2/NDF : 157459.5/6

3871.625+/-0.765 χ^2/NDF : 627933.6/25

3818.008+/-0.539 χ^2/NDF : 1510657.8/52

3765.075+/-0.760 χ^2/NDF : 872958.6/26

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: -1012.726 ± 607.511 χ^2/NDF : 9.4/8

Right Out: -250.743 ± 732.124 χ^2/NDF : 10.3/19

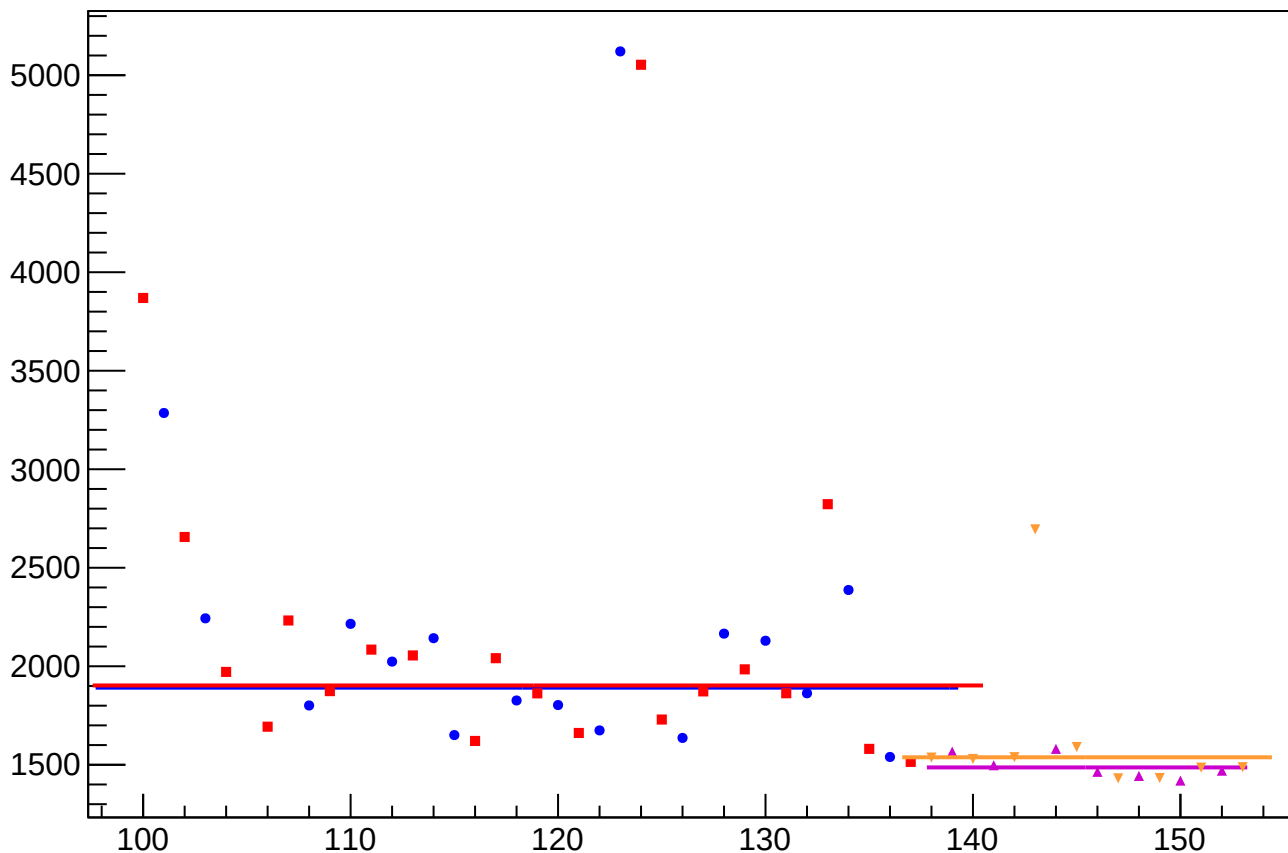
Left In: -380.271 ± 621.739 χ^2/NDF : 5.4/6

-578.665 ± 472.208 χ^2/NDF : 33.6/25

-452.785 ± 334.501 χ^2/NDF : 49.5/52

-325.998 ± 473.908 χ^2/NDF : 15.7/26

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2/NDF : 464497.5/16

Left Out: 1538.020 $\pm$ 0.430 χ^2/NDF : 266787.1/8

Right Out: 1902.551 $\pm$ 0.518 χ^2/NDF : 461077.0/19

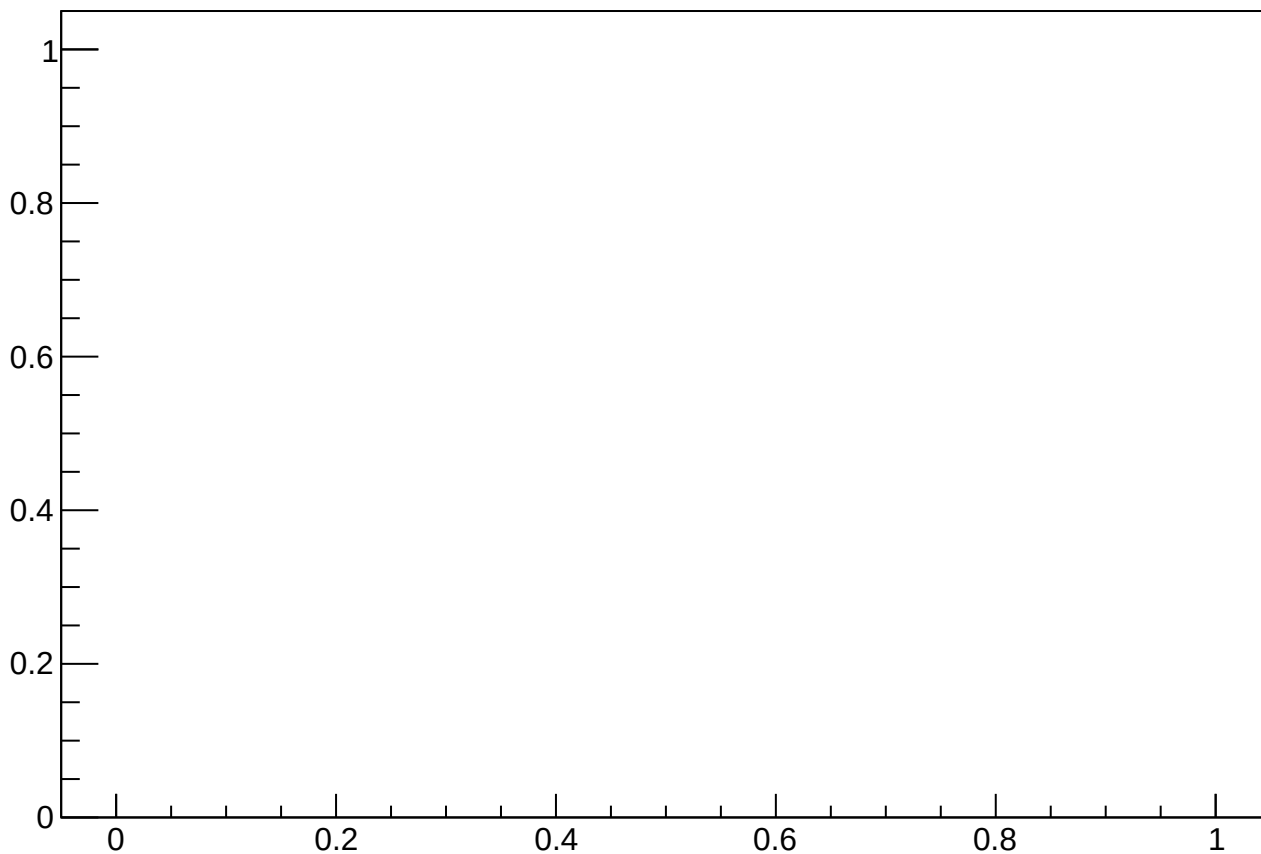
Left In: 1486.600 $\pm$ 0.440 χ^2/NDF : 15775.1/6

1677.936 $\pm$ 0.334 χ^2/NDF : 999290.6/25

1669.443 $\pm$ 0.237 χ^2/NDF : 1852523.9/52

1660.888 $\pm$ 0.335 χ^2/NDF : 851934.6/26

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

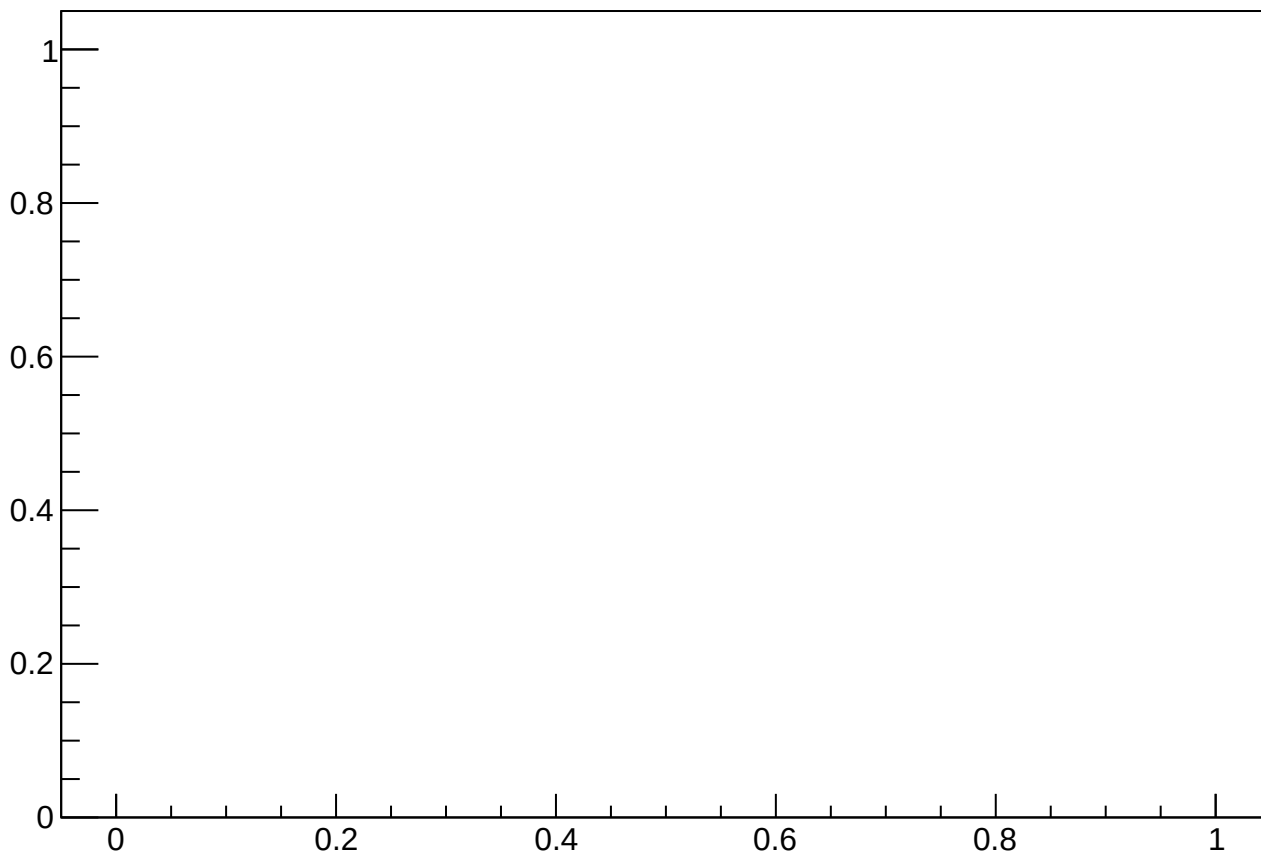
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

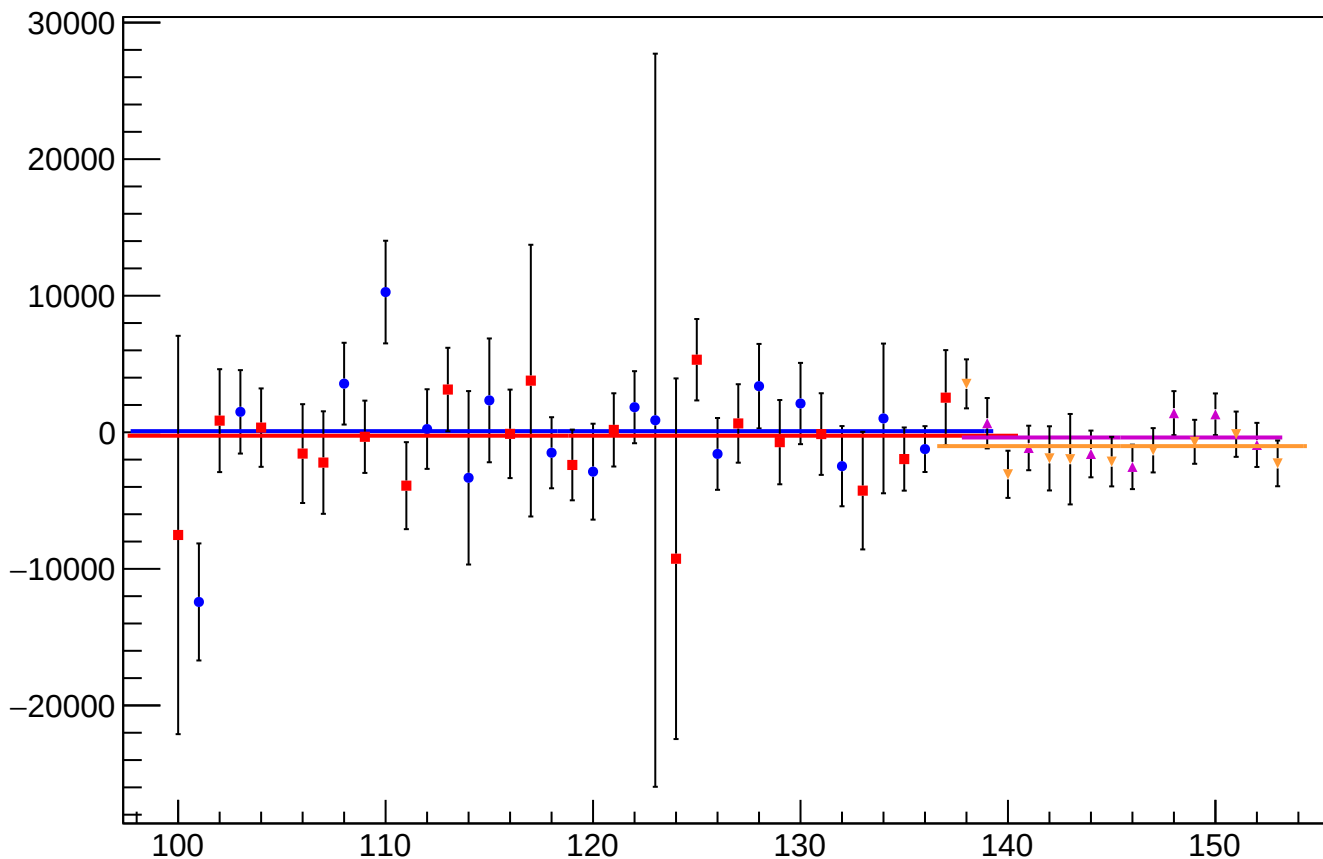
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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: -1012.726 ± 607.511 χ^2/NDF : 9.4/8

Right Out: -250.743 ± 732.124 χ^2/NDF : 10.3/19

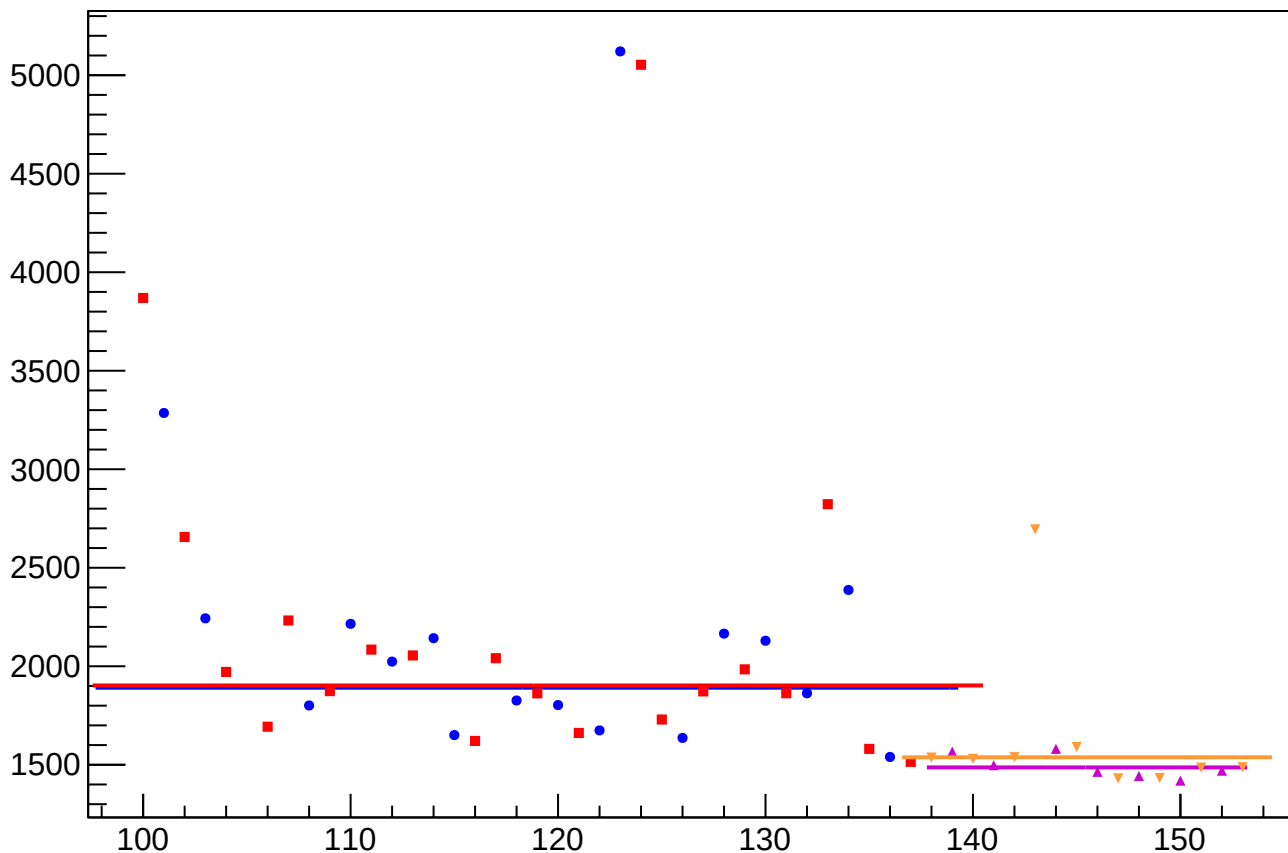
Left In: -380.271 ± 621.739 χ^2/NDF : 5.4/6

-578.665 ± 472.208 χ^2/NDF : 33.6/25

-452.785 ± 334.501 χ^2/NDF : 49.5/52

-325.998 ± 473.908 χ^2/NDF : 15.7/26

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1538.020 $\pm$ 0.430 χ^2 /NDF: 266787.1/8

Right Out: 1902.551 $\pm$ 0.518 χ^2 /NDF: 461077.0/19

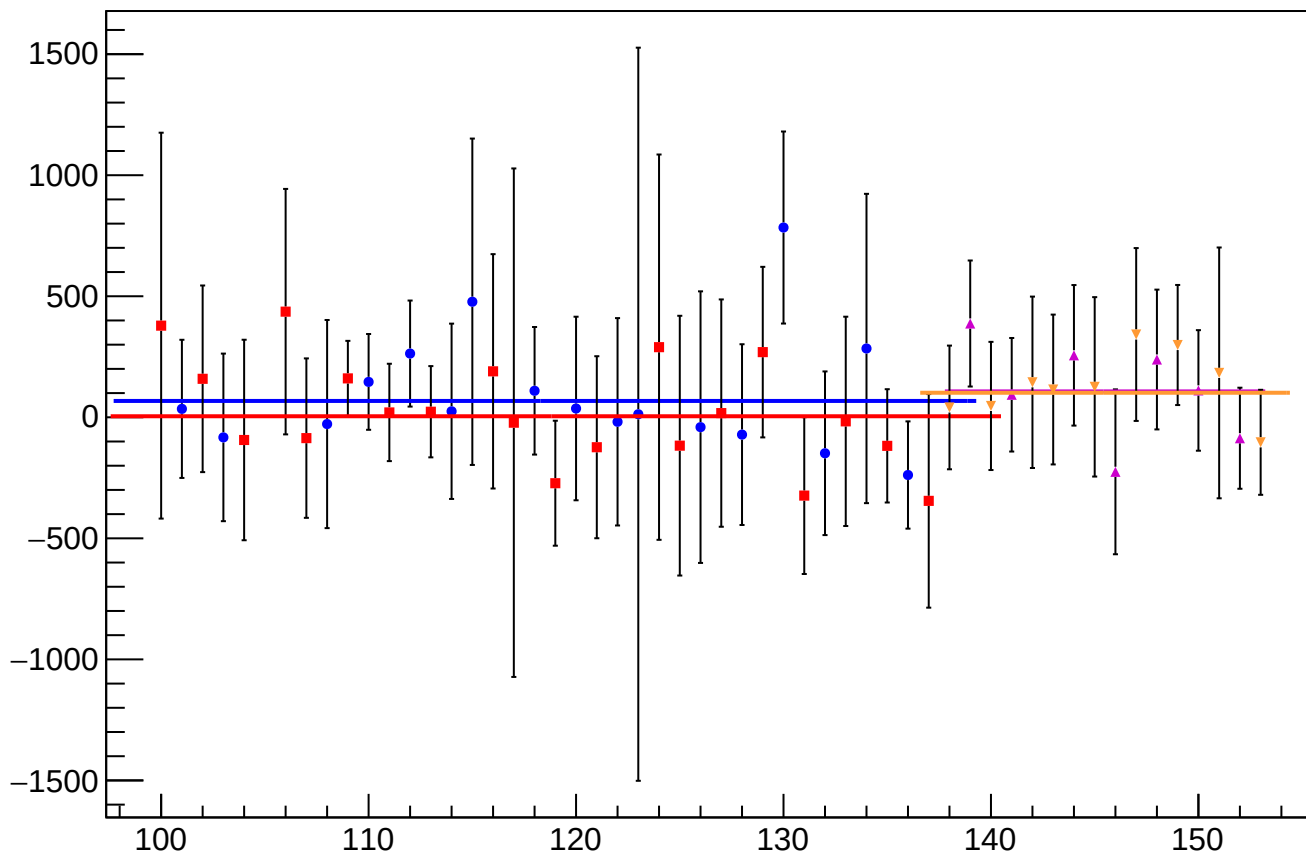
Left In: 1486.600 $\pm$ 0.440 χ^2 /NDF: 15775.1/6

1677.936 $\pm$ 0.334 χ^2 /NDF: 999290.6/25

1669.443 $\pm$ 0.237 χ^2 /NDF: 1852523.9/52

1660.888 $\pm$ 0.335 χ^2 /NDF: 851934.6/26

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: 101.399+/-97.881 χ^2/NDF : 2.1/8

Right Out: 4.305+/-69.854 χ^2/NDF : 6.4/19

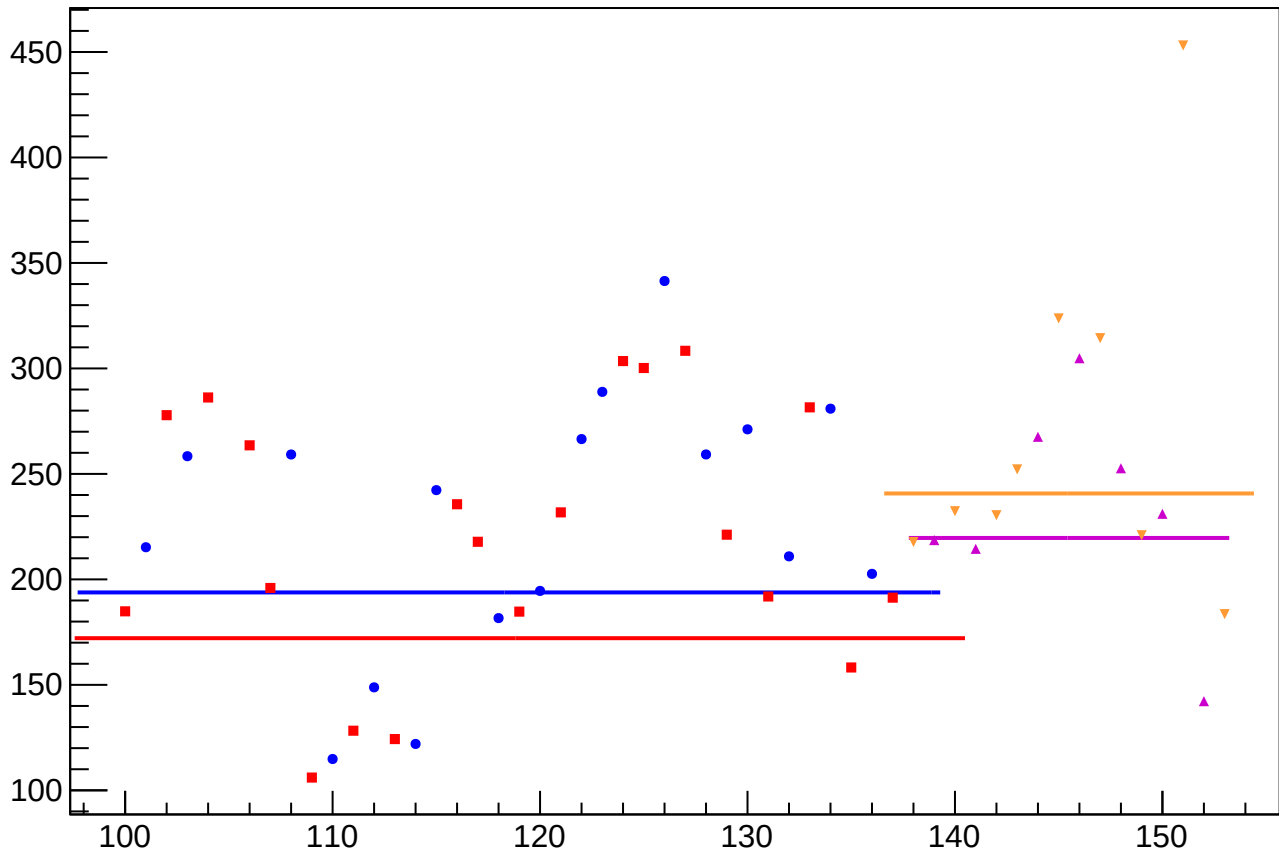
Left In: 106.917+/-97.818 χ^2/NDF : 3.4/6

81.021+/-61.760 χ^2/NDF : 9.7/25

58.252+/-41.826 χ^2/NDF : 20.5/52

38.961+/-56.847 χ^2/NDF : 10.5/26

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815 $\pm$ 0.056 χ^2/NDF : 1010325.5/16

Left Out: 240.730 $\pm$ 0.069 χ^2/NDF : 696026.7/8

Right Out: 172.123 $\pm$ 0.049 χ^2/NDF : 1580879.9/19

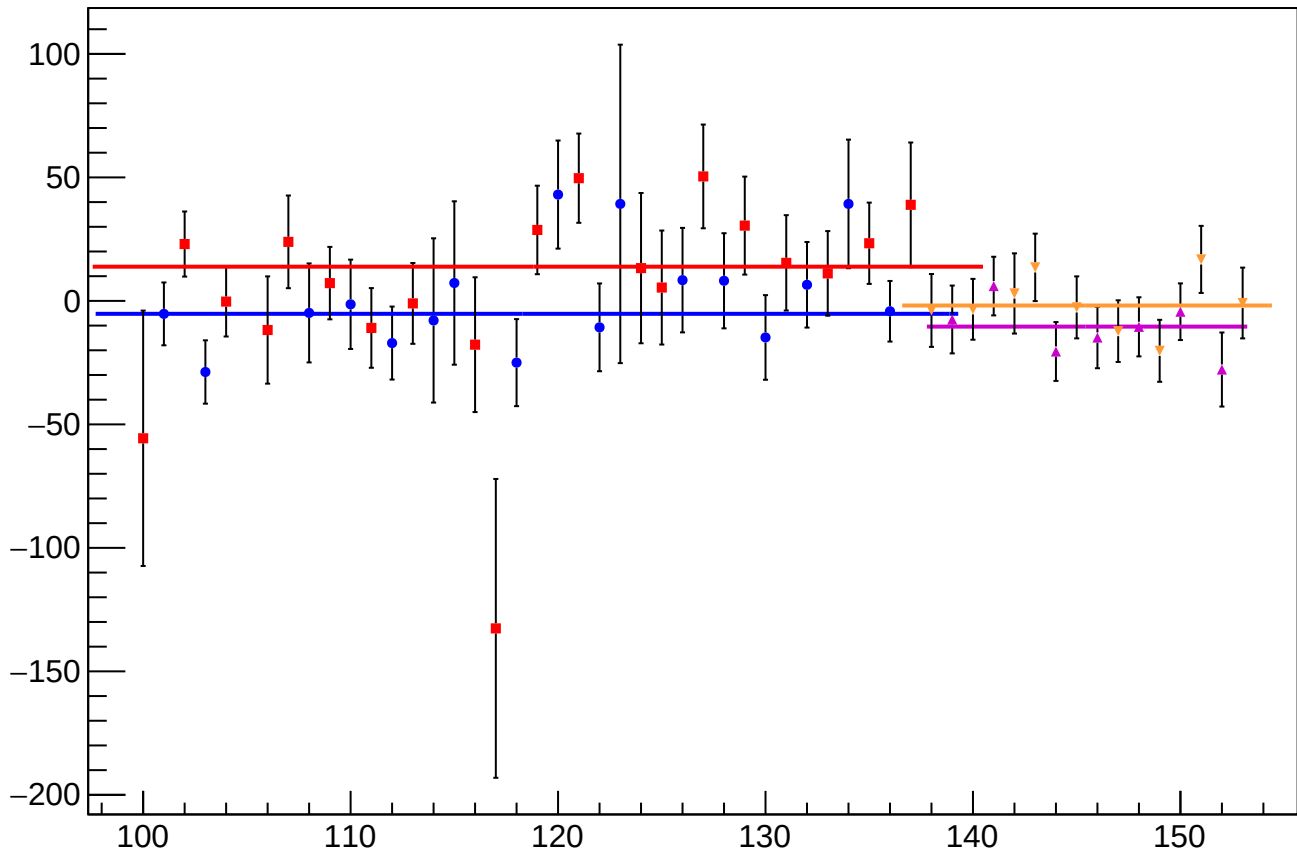
Left In: 219.639 $\pm$ 0.069 χ^2/NDF : 486068.0/6

212.493 $\pm$ 0.044 χ^2/NDF : 1982887.9/25

199.326 $\pm$ 0.030 χ^2/NDF : 4530293.0/52

188.171 $\pm$ 0.040 χ^2/NDF : 2379490.4/26

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 $\pm$ 4.356 χ^2 /NDF: 15.5/16

Left Out: -1.865 $\pm$ 4.483 χ^2 /NDF: 6.1/8

Right Out: 13.851 $\pm$ 4.255 χ^2 /NDF: 25.4/19

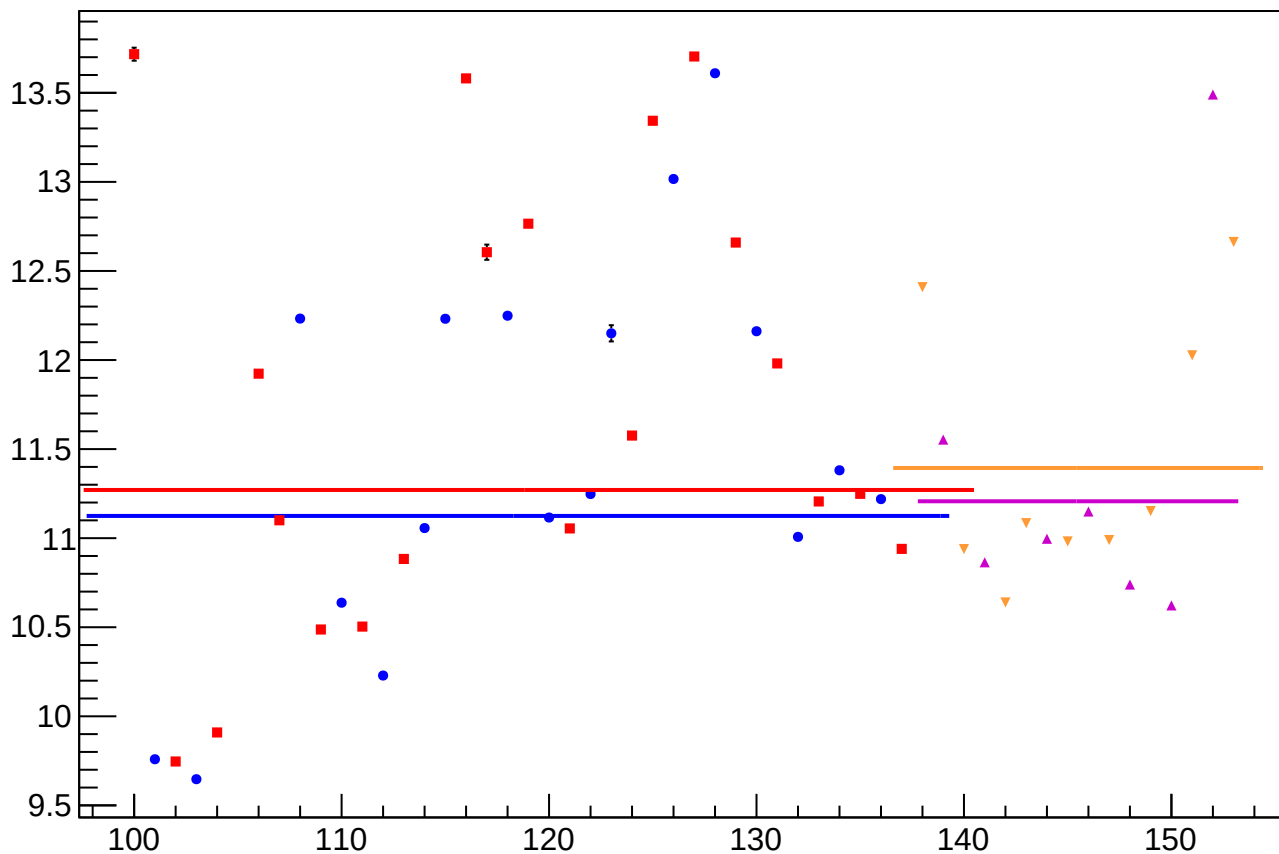
Left In: -10.410 $\pm$ 4.717 χ^2 /NDF: 4.4/6

-3.596 $\pm$ 3.124 χ^2 /NDF: 21.9/25

-0.351 $\pm$ 2.221 χ^2 /NDF: 68.5/52

2.968 $\pm$ 3.159 χ^2 /NDF: 44.4/26

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.394 $\pm$ 0.003 χ^2 /NDF: 42579.0/8

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

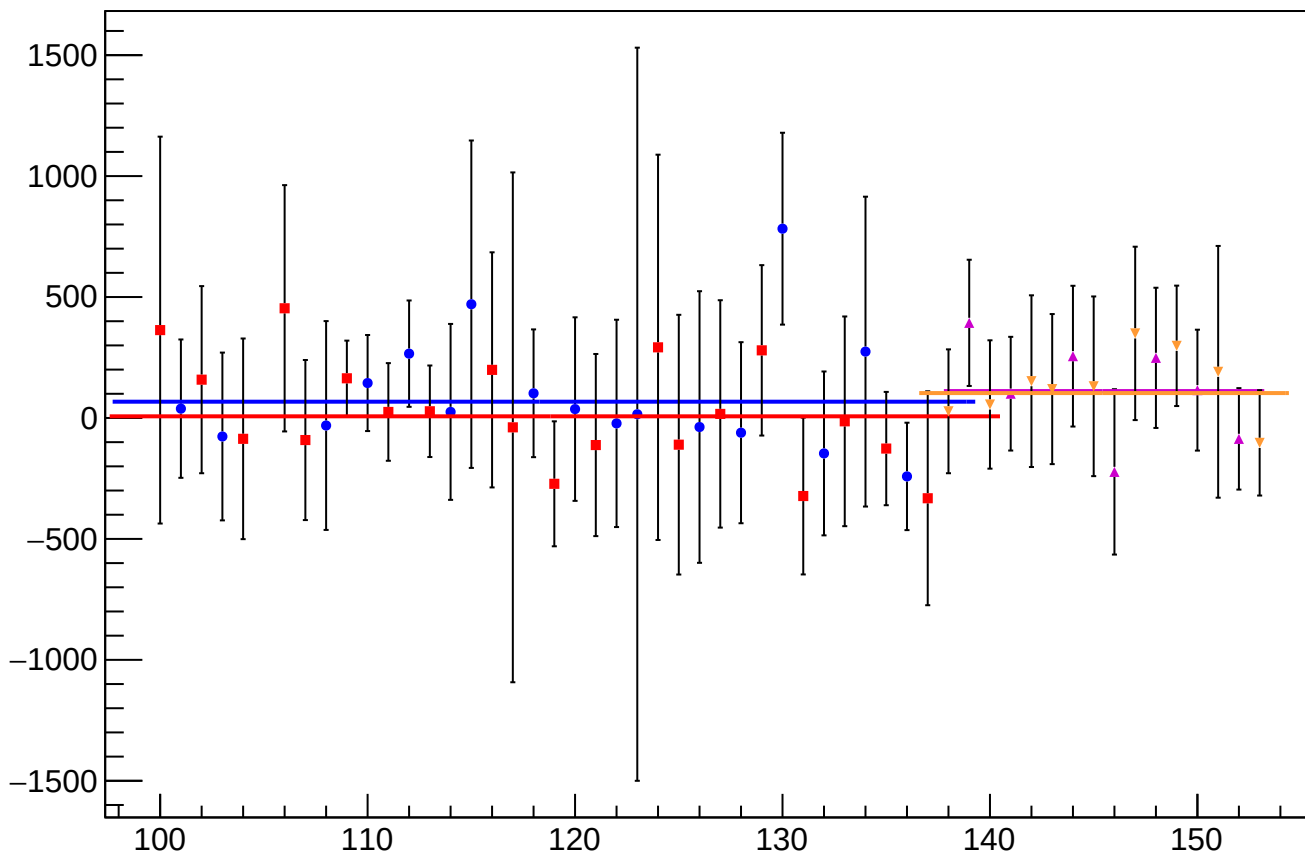
Left In: 11.207 $\pm$ 0.003 χ^2 /NDF: 58245.1/6

11.256 $\pm$ 0.002 χ^2 /NDF: 178809.8/25

11.249 $\pm$ 0.002 χ^2 /NDF: 385984.6/52

11.242 $\pm$ 0.002 χ^2 /NDF: 207156.3/26

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: 102.964+/-98.183 χ^2/NDF : 2.2/8

Right Out: 6.837+/-70.057 χ^2/NDF : 6.4/19

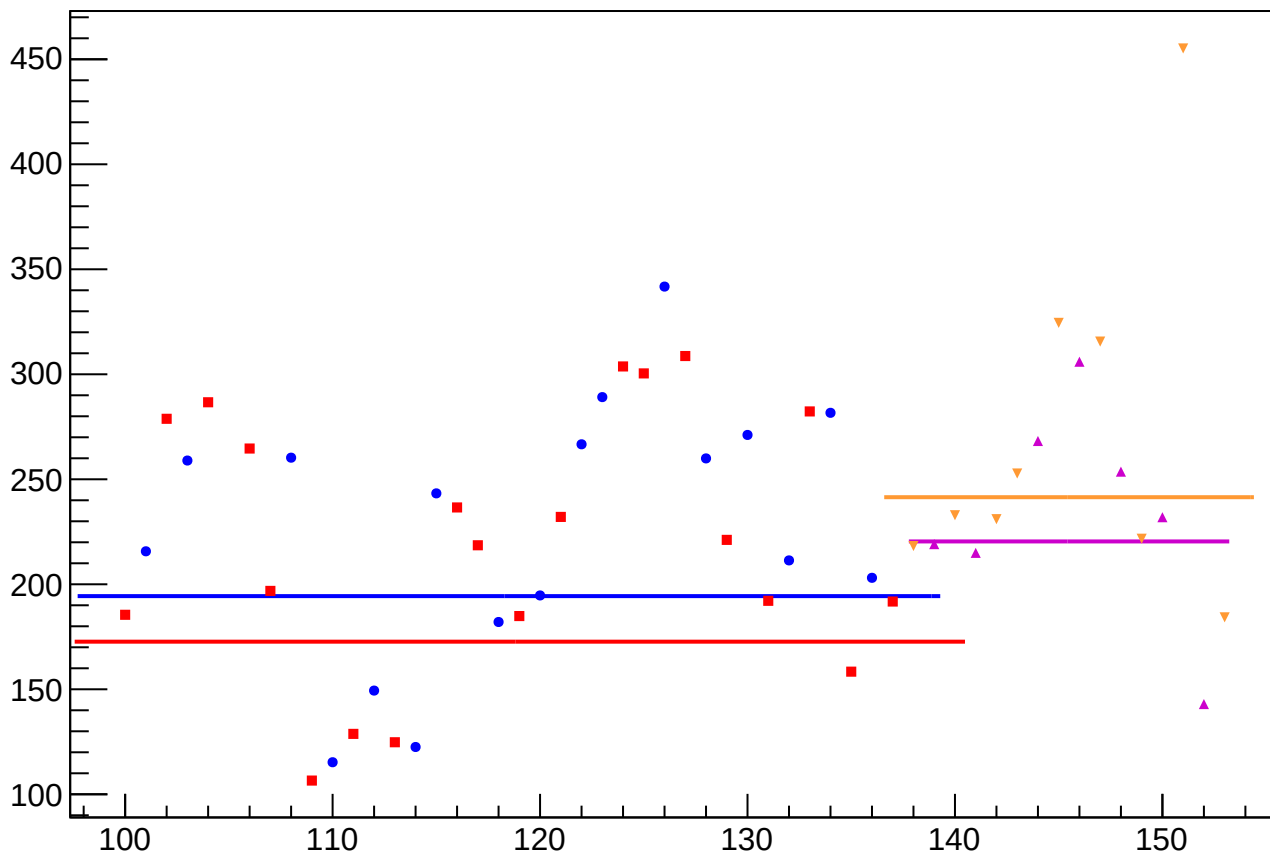
Left In: 111.211+/-98.148 χ^2/NDF : 3.5/6

81.494+/-61.934 χ^2/NDF : 9.7/25

60.154+/-41.949 χ^2/NDF : 20.6/52

42.066+/-57.021 χ^2/NDF : 10.7/26

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365 $\pm$ 0.056 χ^2/NDF : 1005234.4/16

Left Out: 172.675 $\pm$ 0.050 χ^2/NDF : 1573459.1/19

Right Out: 241.467 $\pm$ 0.069 χ^2/NDF : 696289.4/8

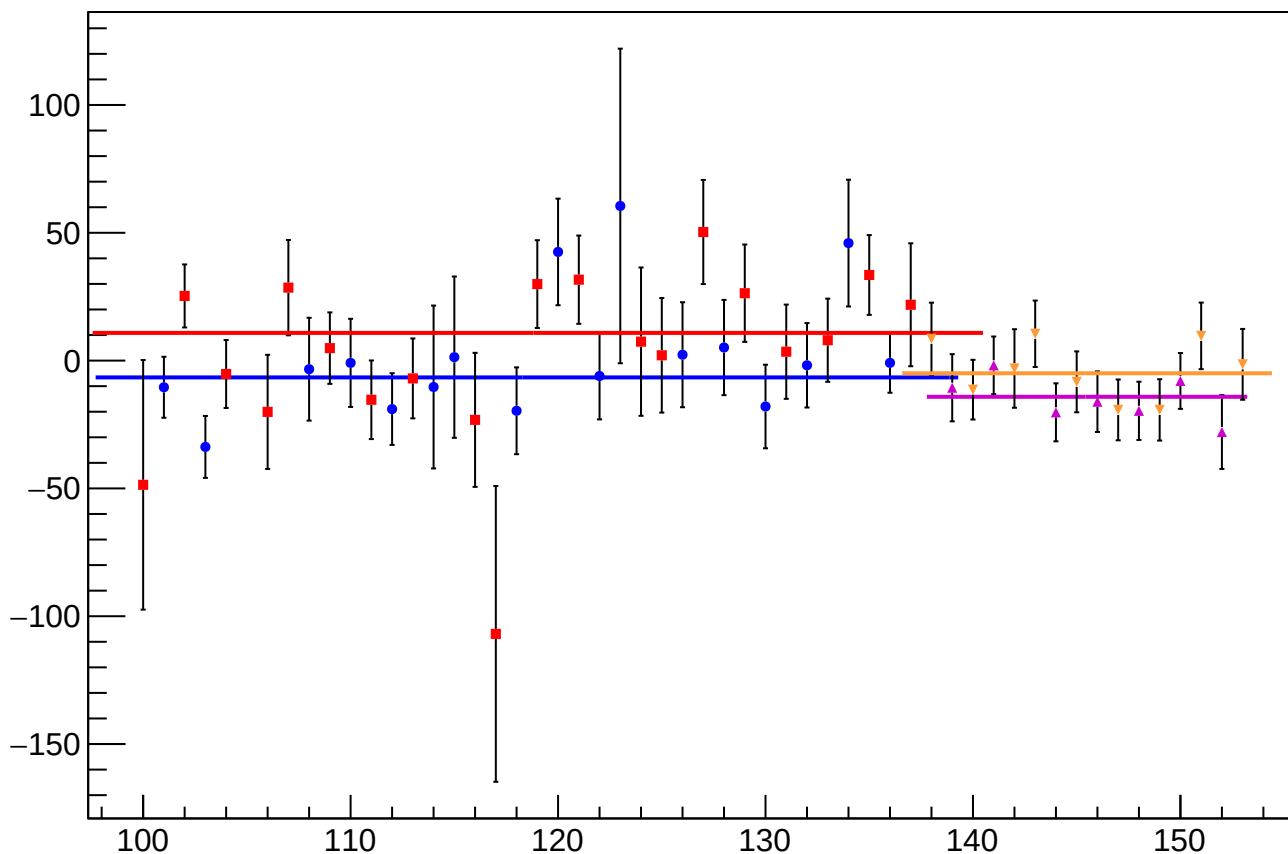
Left In: 220.405 $\pm$ 0.069 χ^2/NDF : 483752.0/6

213.107 $\pm$ 0.044 χ^2/NDF : 1978659.2/25

199.944 $\pm$ 0.030 χ^2/NDF : 4516150.4/52

188.785 $\pm$ 0.040 χ^2/NDF : 2370550.6/26

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: -4.950 ± 4.276 χ^2/NDF : 6.9/8

Right Out: 10.838 ± 4.070 χ^2/NDF : 27.1/19

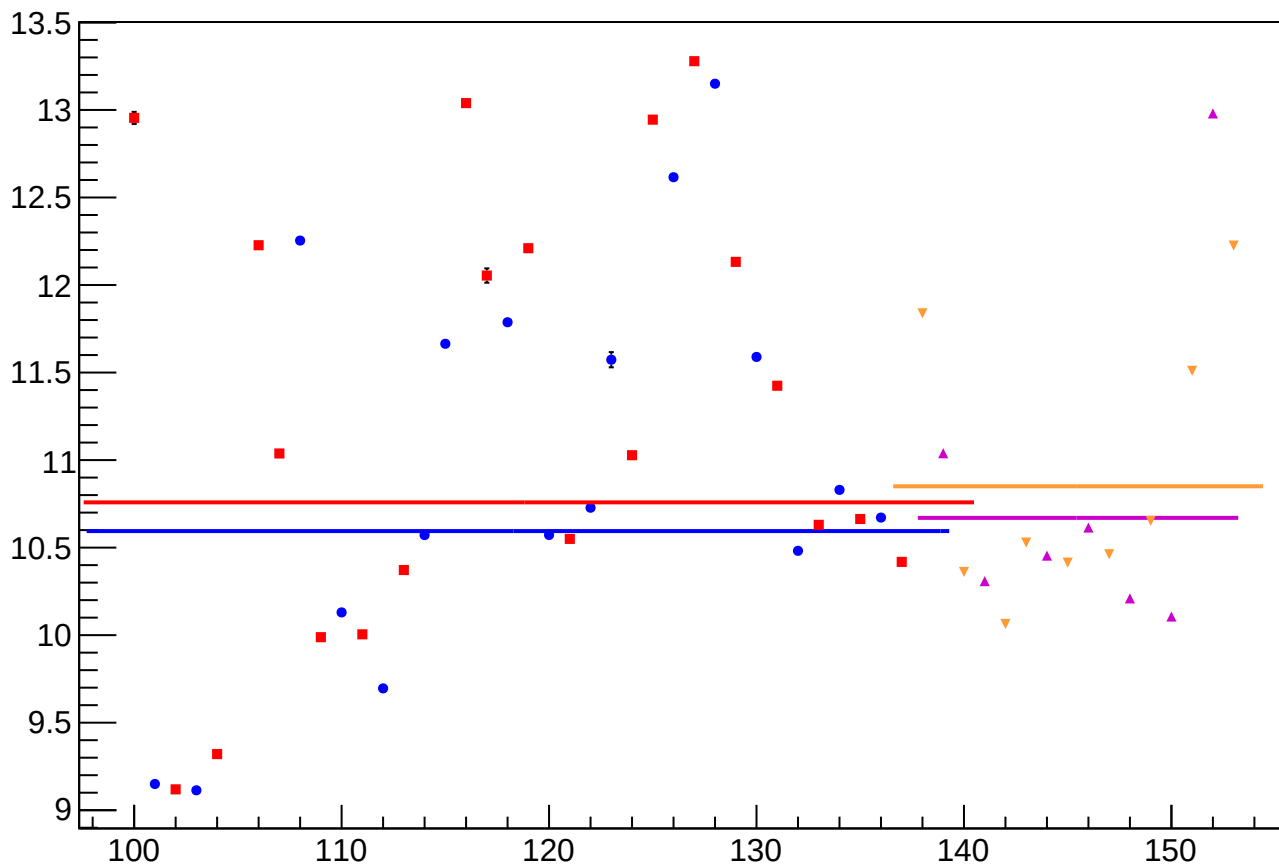
Left In: -14.155 ± 4.497 χ^2/NDF : 3.0/6

-5.786 ± 2.981 χ^2/NDF : 26.3/25

-3.133 ± 2.120 χ^2/NDF : 75.1/52

-0.415 ± 3.017 χ^2/NDF : 47.1/26

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: 10.850 $\pm$ 0.003 χ^2 /NDF: 49964.6/8

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

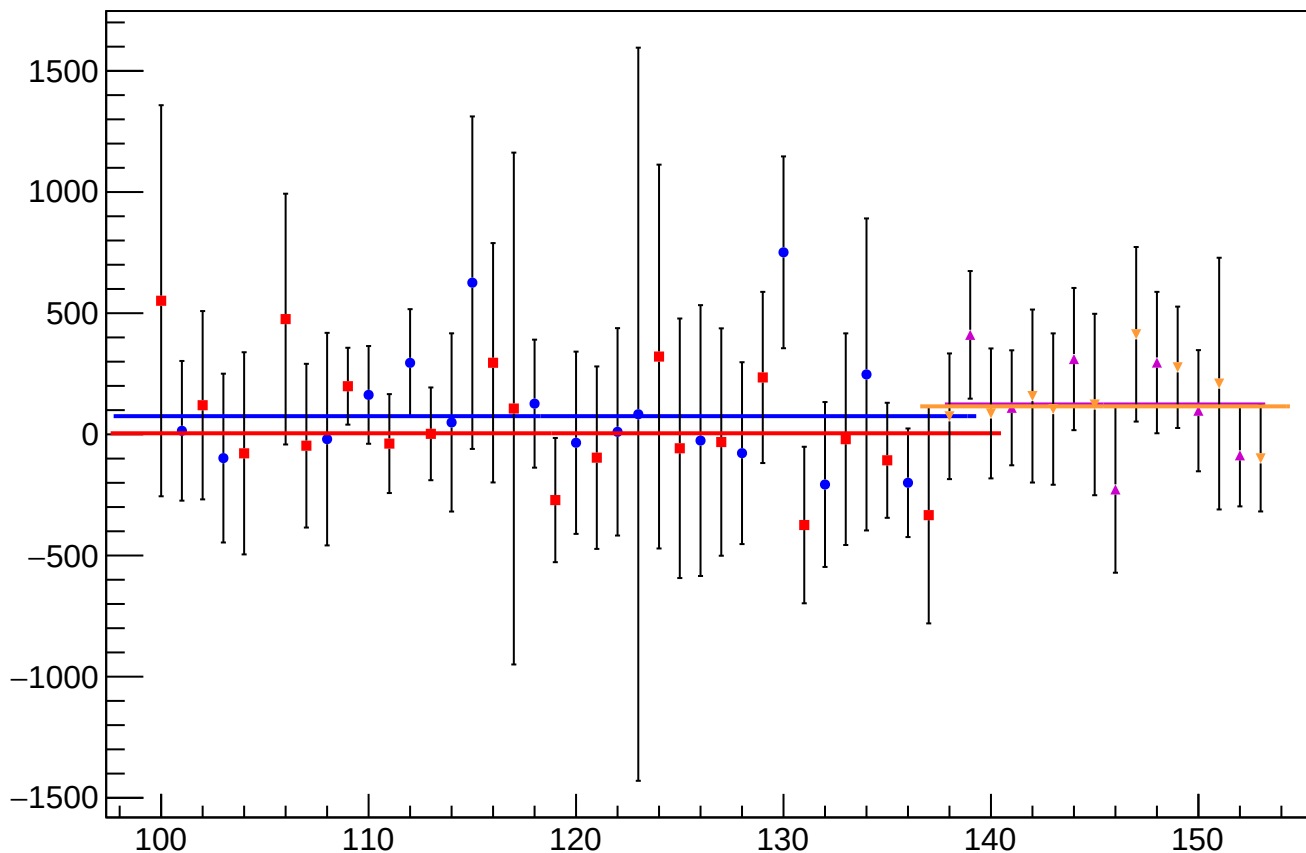
Left In: 10.670 $\pm$ 0.003 χ^2 /NDF: 64080.9/6

10.719 $\pm$ 0.002 χ^2 /NDF: 213701.7/25

10.719 $\pm$ 0.001 χ^2 /NDF: 456389.9/52

10.719 $\pm$ 0.002 χ^2 /NDF: 242688.3/26

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 115.534 $\pm$ 98.925 χ^2 /NDF: 2.1/8

Right Out: 4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

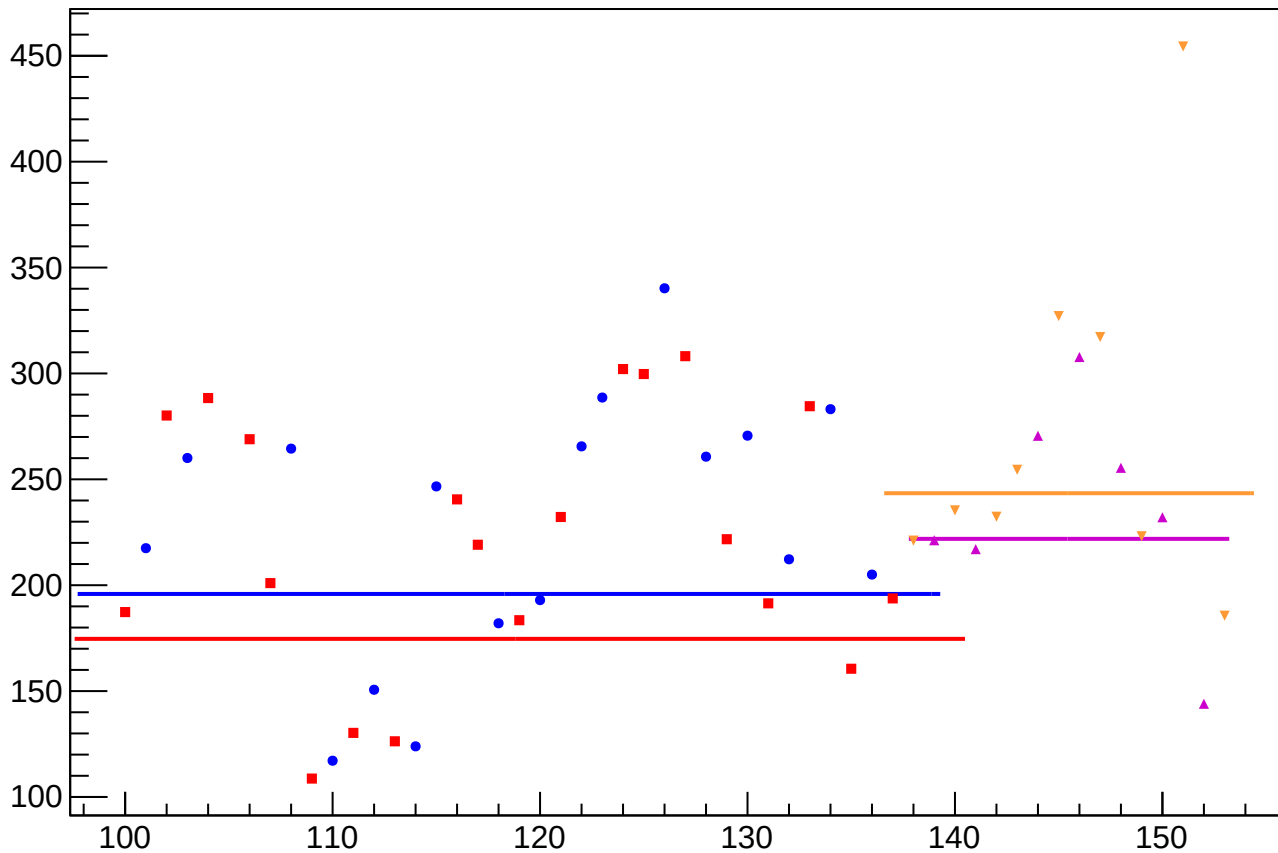
Left In: 123.372 $\pm$ 98.770 χ^2 /NDF: 4.0/6

91.164 $\pm$ 62.370 χ^2 /NDF: 9.9/25

66.083 $\pm$ 42.276 χ^2 /NDF: 22.5/52

44.763 $\pm$ 57.503 χ^2 /NDF: 12.3/26

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869+/-0.057 χ^2/NDF : 979247.4/16

Left Out: 243.439+/-0.070 χ^2/NDF : 687310.8/8

Right Out: 174.665+/-0.050 χ^2/NDF : 1532335.9/19

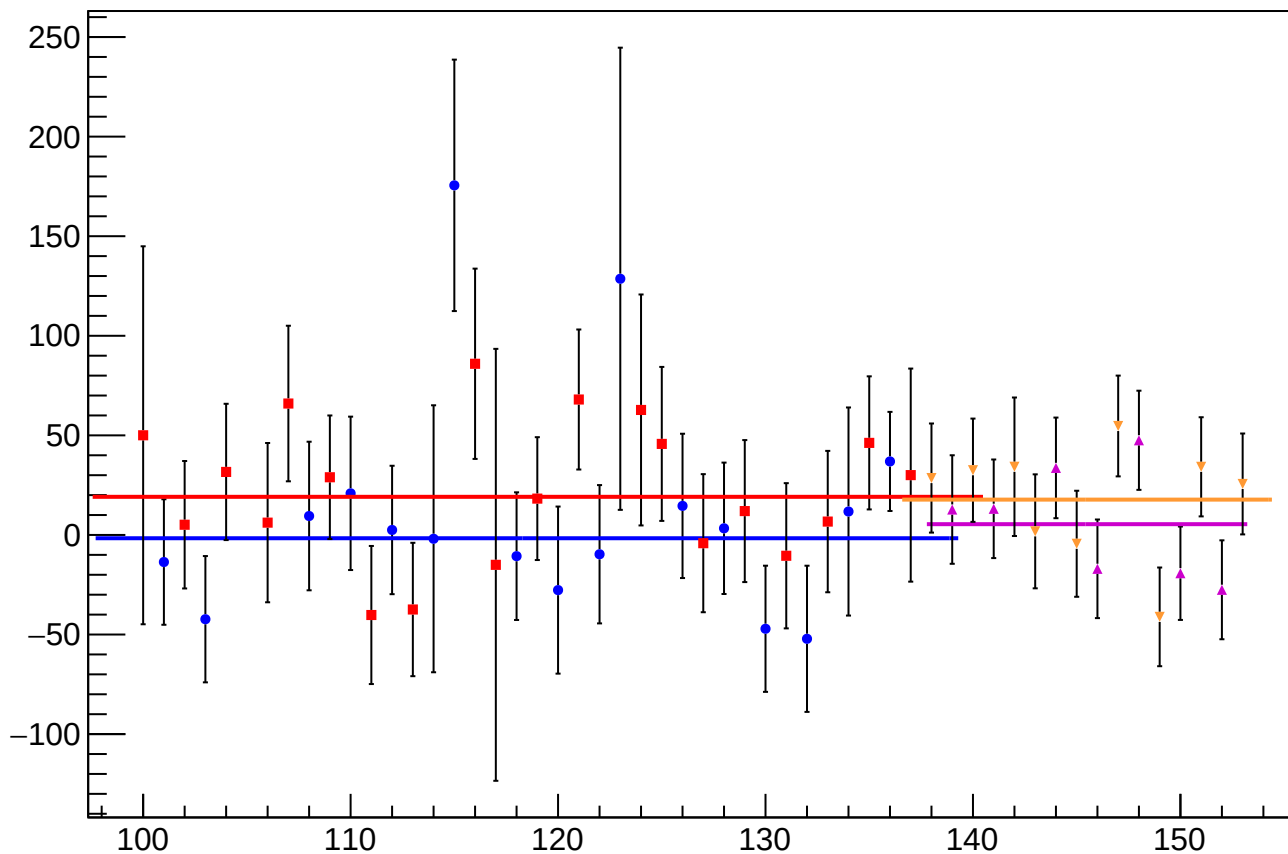
Left In: 221.891+/-0.070 χ^2/NDF : 483419.6/6

214.778+/-0.044 χ^2/NDF : 1945205.1/25

201.748+/-0.030 χ^2/NDF : 4424708.5/52

190.672+/-0.041 χ^2/NDF : 2318006.3/26

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: 17.740 ± 8.893 χ^2/NDF : 10.0/8

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

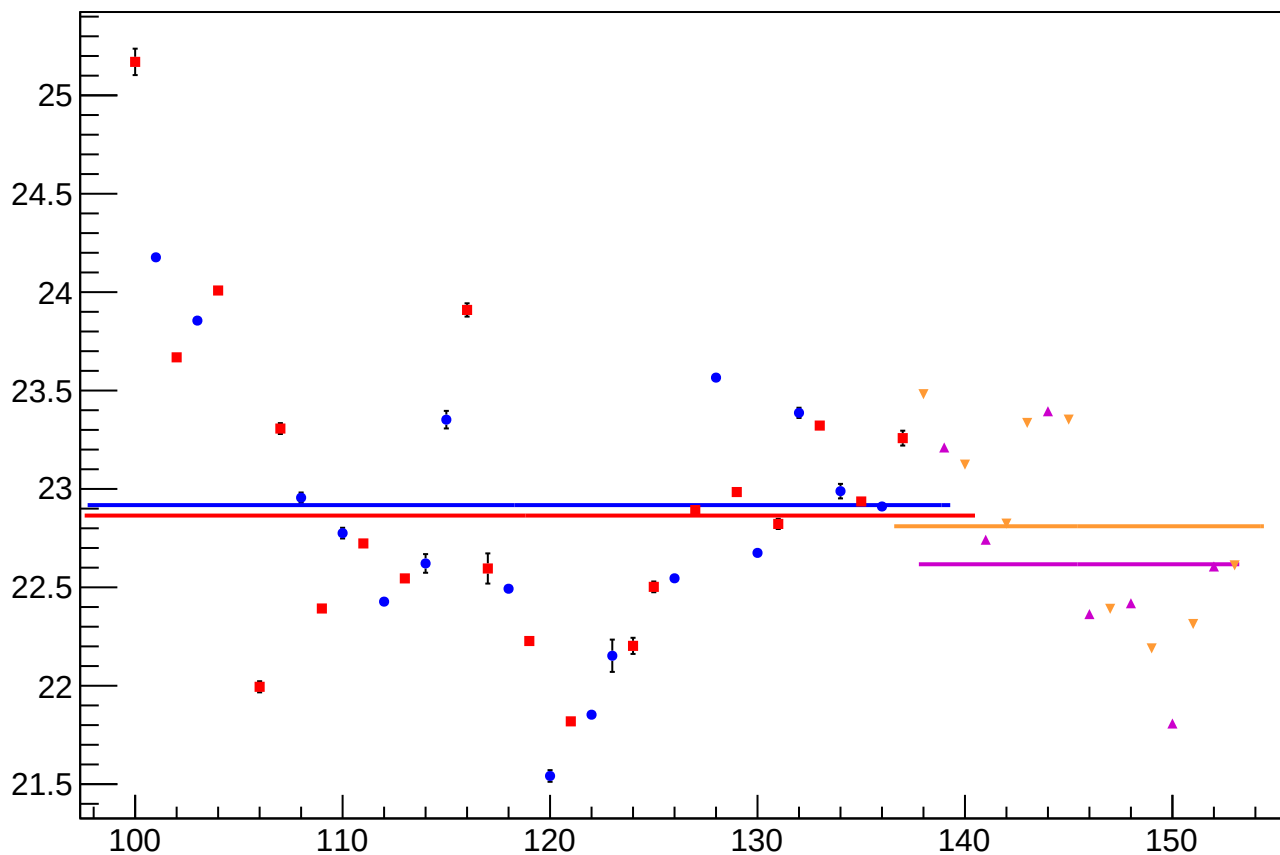
Left In: 5.408 ± 9.436 χ^2/NDF : 8.0/6

8.030 ± 6.284 χ^2/NDF : 30.9/25

10.482 ± 4.459 χ^2/NDF : 55.2/52

12.968 ± 6.327 χ^2/NDF : 24.0/26

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: 22.810+/-0.006 χ^2 /NDF: 5718.2/8

Right Out: 22.865+/-0.006 χ^2 /NDF: 11064.9/19

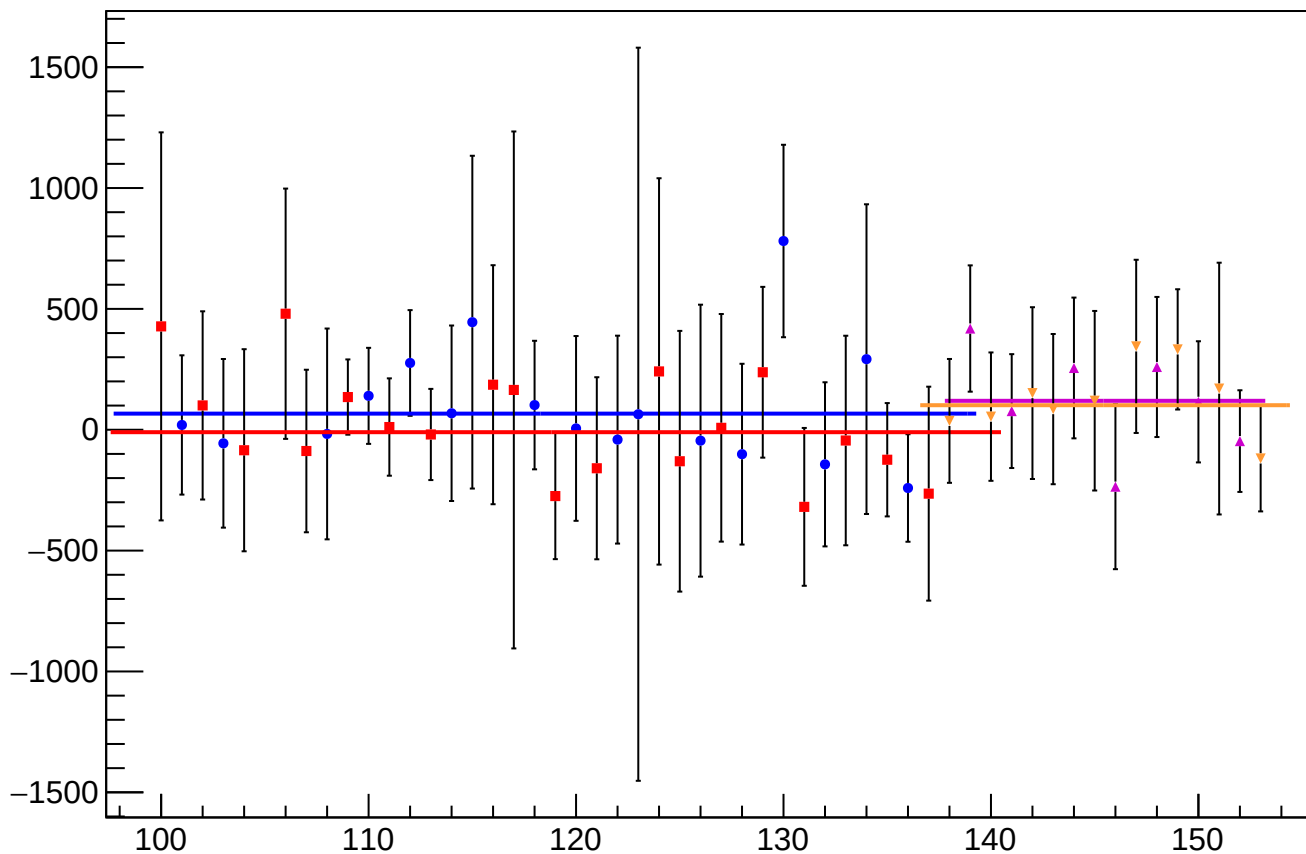
Left In: 22.617+/-0.007 χ^2 /NDF: 5611.5/6

22.864+/-0.004 χ^2 /NDF: 17336.7/25

22.809+/-0.003 χ^2 /NDF: 35078.7/52

22.753+/-0.004 χ^2 /NDF: 17433.6/26

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: 101.508 $\pm$ 98.342 χ^2 /NDF: 2.5/8

Right Out: -10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

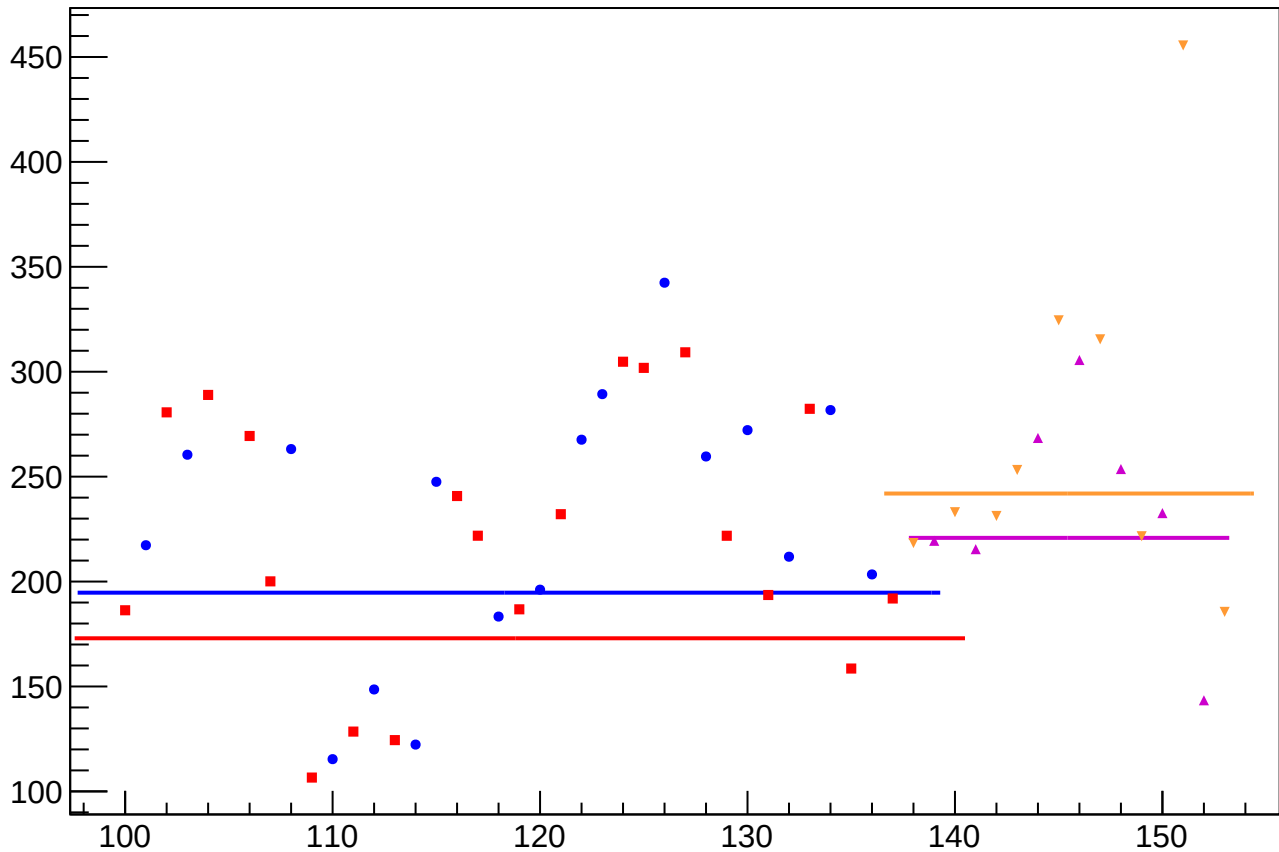
Left In: 119.702 $\pm$ 98.303 χ^2 /NDF: 3.5/6

80.561 $\pm$ 62.057 χ^2 /NDF: 10.1/25

55.235 $\pm$ 42.038 χ^2 /NDF: 20.8/52

33.758 $\pm$ 57.147 χ^2 /NDF: 10.4/26

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: 241.956 $\pm$ 0.070 χ^2 /NDF: 688794.7/8

Right Out: 172.965 $\pm$ 0.050 χ^2 /NDF: 1601142.0/19

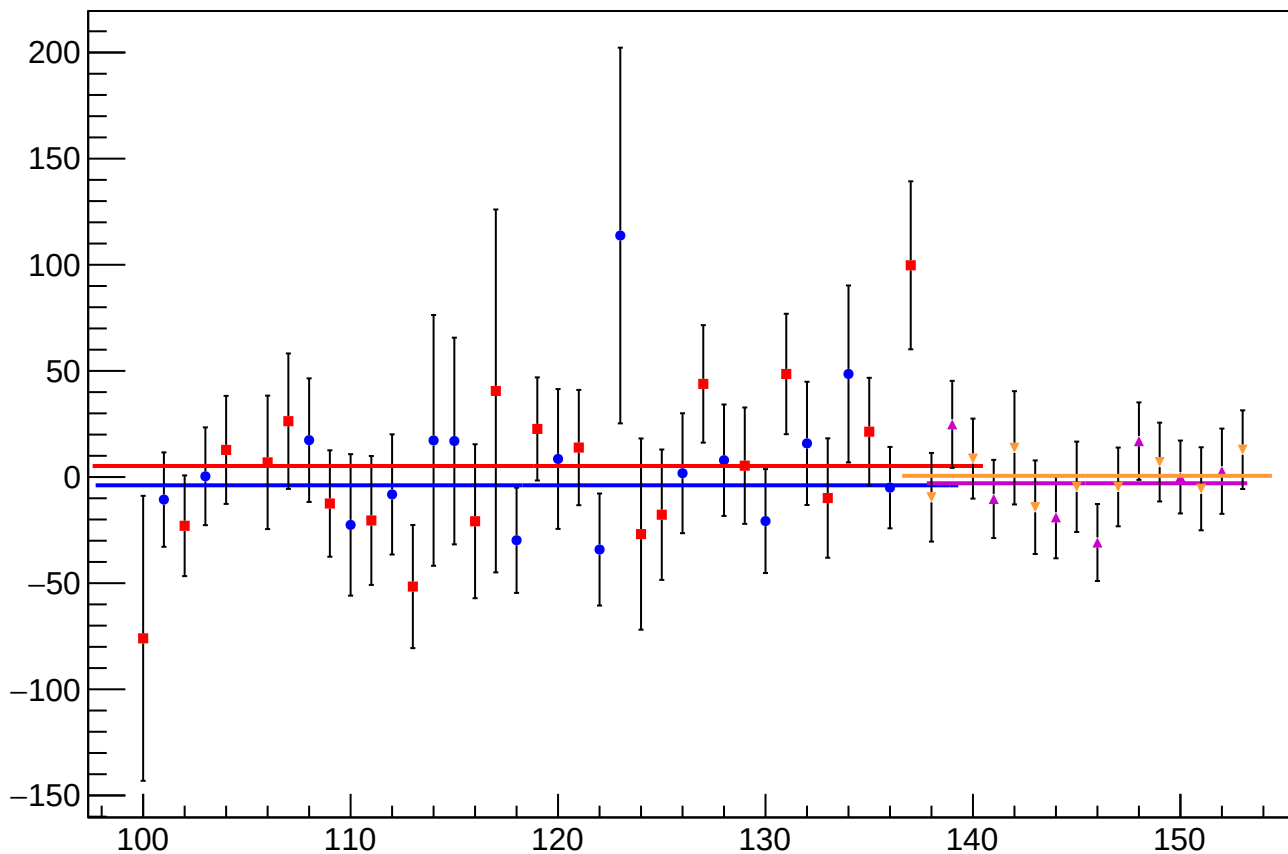
Left In: 220.824 $\pm$ 0.070 χ^2 /NDF: 478889.6/6

213.519 $\pm$ 0.044 χ^2 /NDF: 1986556.8/25

200.327 $\pm$ 0.030 χ^2 /NDF: 4547468.9/52

189.139 $\pm$ 0.040 χ^2 /NDF: 2393877.5/26

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: 0.571+/-6.724 χ^2/NDF : 1.9/8

Right Out: 5.204+/-6.706 χ^2/NDF : 21.5/19

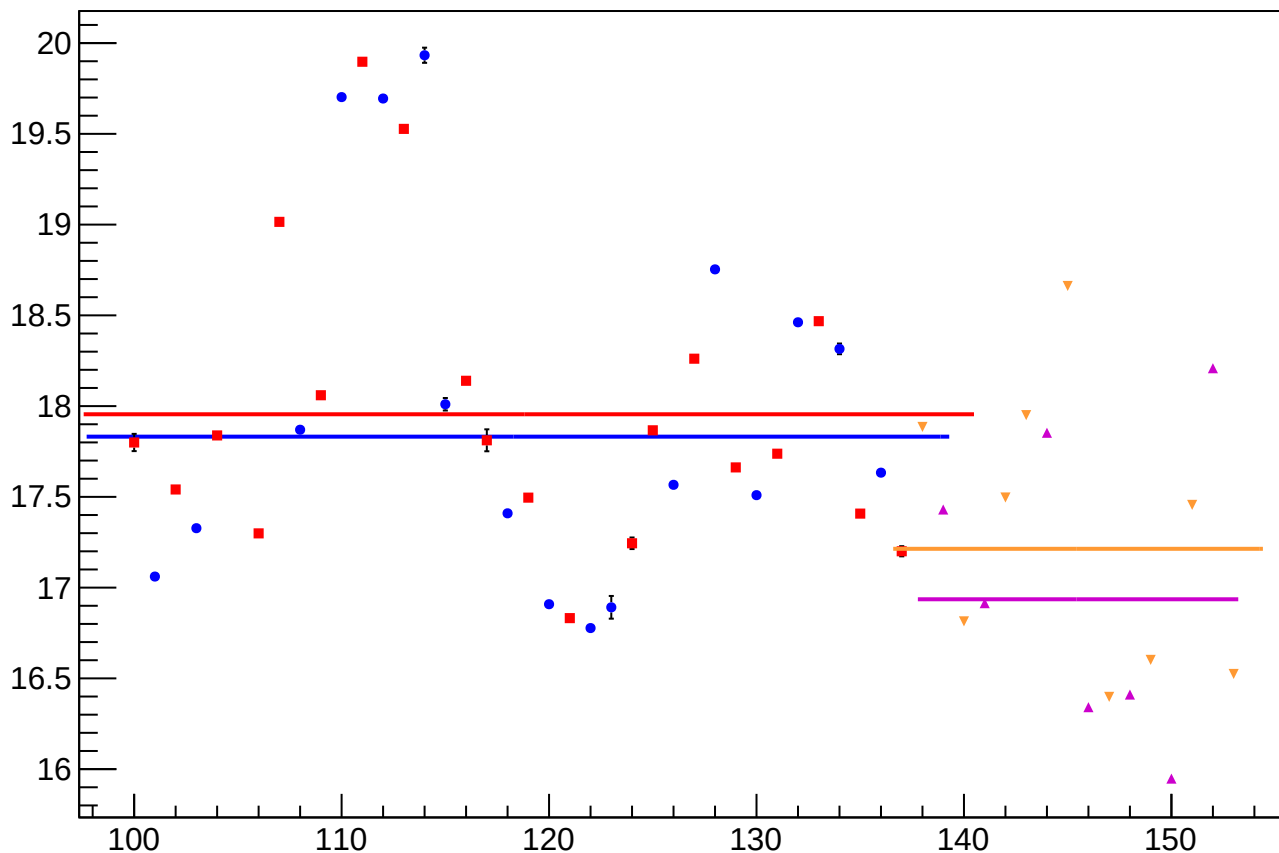
Left In: -2.929+/-7.082 χ^2/NDF : 6.4/6

-1.599+/-4.821 χ^2/NDF : 10.5/25

-0.135+/-3.426 χ^2/NDF : 39.3/52

1.359+/-4.869 χ^2/NDF : 28.6/26

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 ± 0.005 $\chi^2/\text{NDF}: 30863.4/16$

Left Out: 17.214 ± 0.005 $\chi^2/\text{NDF}: 23792.3/8$

Right Out: 17.955 ± 0.005 $\chi^2/\text{NDF}: 25454.6/19$

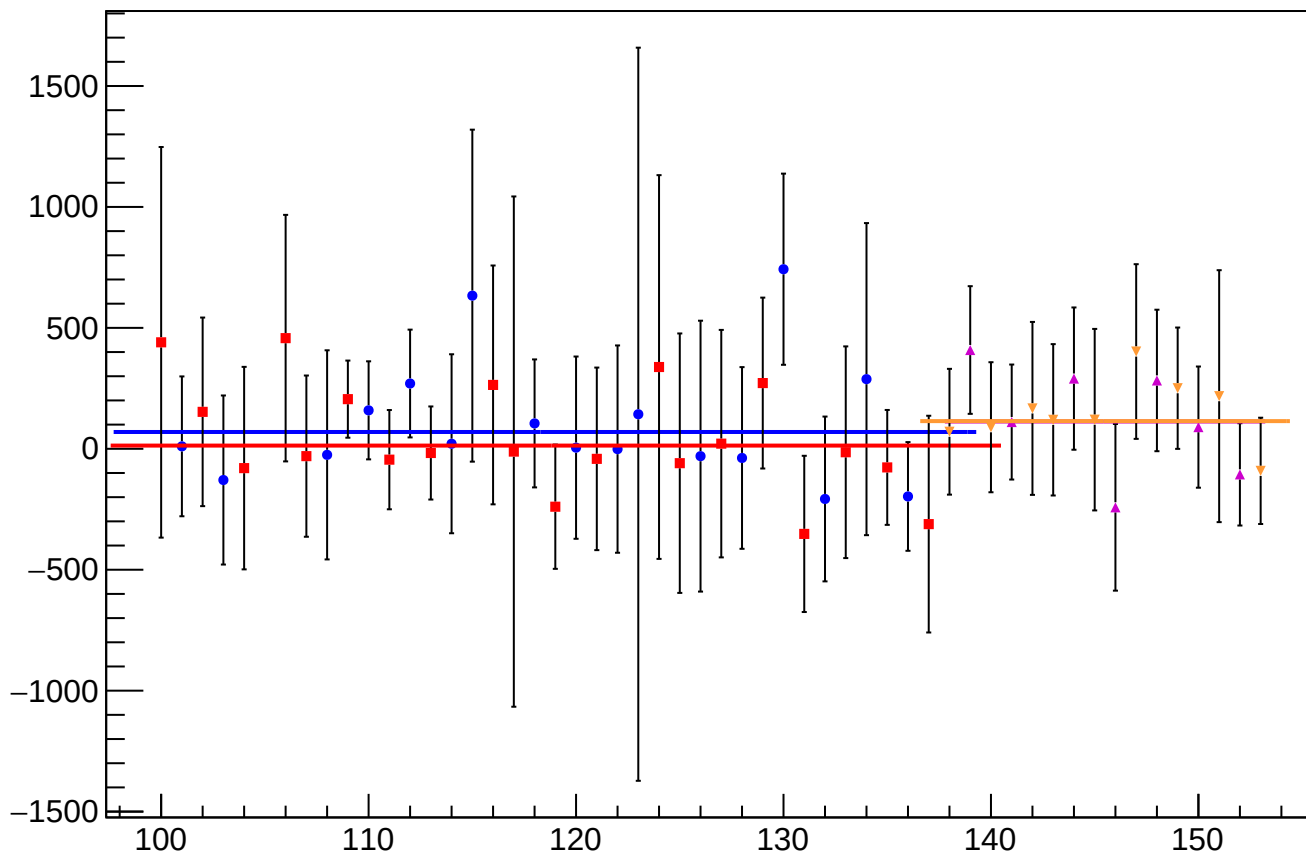
Left In: 16.936 ± 0.005 $\chi^2/\text{NDF}: 24154.0/6$

17.514 ± 0.003 $\chi^2/\text{NDF}: 62863.4/25$

17.494 ± 0.002 $\chi^2/\text{NDF}: 134387.0/52$

17.473 ± 0.003 $\chi^2/\text{NDF}: 71452.1/26$

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: 114.445+/-99.148 χ^2/NDF : 1.9/8

Right Out: 13.298+/-70.881 χ^2/NDF : 6.7/19

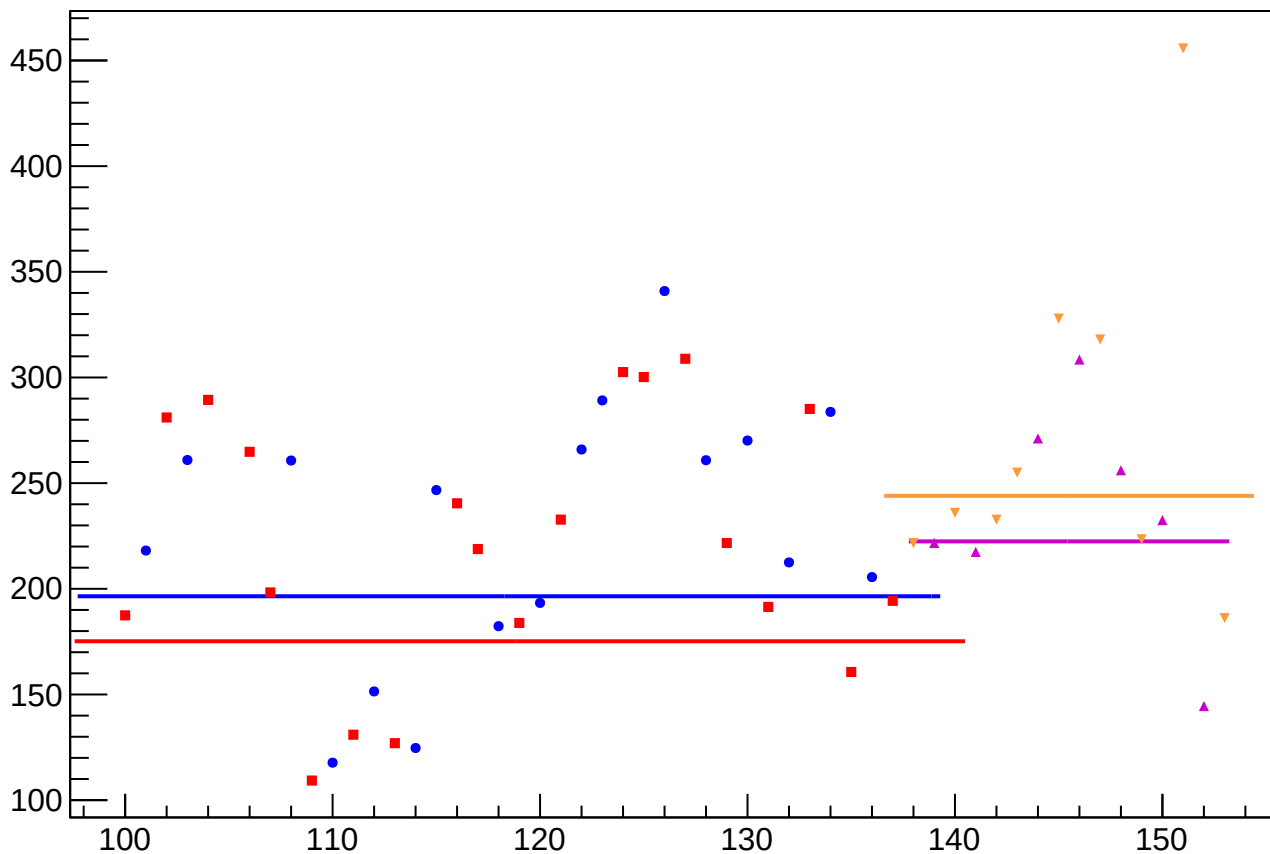
Left In: 112.787+/-99.008 χ^2/NDF : 4.1/6

87.377+/-62.518 χ^2/NDF : 9.4/25

65.555+/-42.375 χ^2/NDF : 21.1/52

47.010+/-57.634 χ^2/NDF : 11.5/26

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: 243.990 $\pm$ 0.070 χ^2/NDF : 687385.2/8

Right Out: 175.179 $\pm$ 0.050 χ^2/NDF : 1514541.6/19

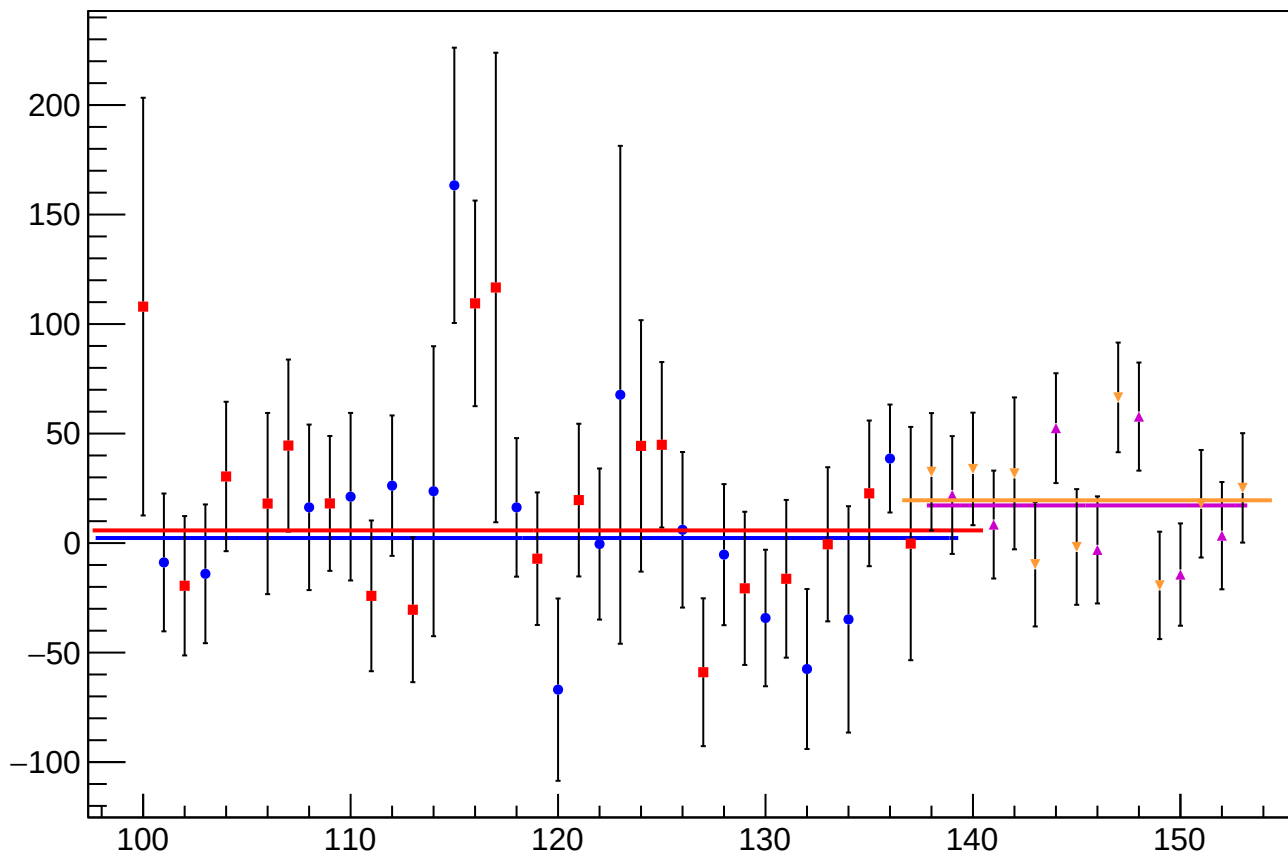
Left In: 222.448 $\pm$ 0.070 χ^2/NDF : 481672.6/6

215.364 $\pm$ 0.044 χ^2/NDF : 1928419.2/25

202.299 $\pm$ 0.030 χ^2/NDF : 4387593.9/52

191.196 $\pm$ 0.041 χ^2/NDF : 2297605.2/26

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: 19.536 $\pm$ 8.793 χ^2 /NDF: 8.5/8

Right Out: 5.783 $\pm$ 8.453 χ^2 /NDF: 18.2/19

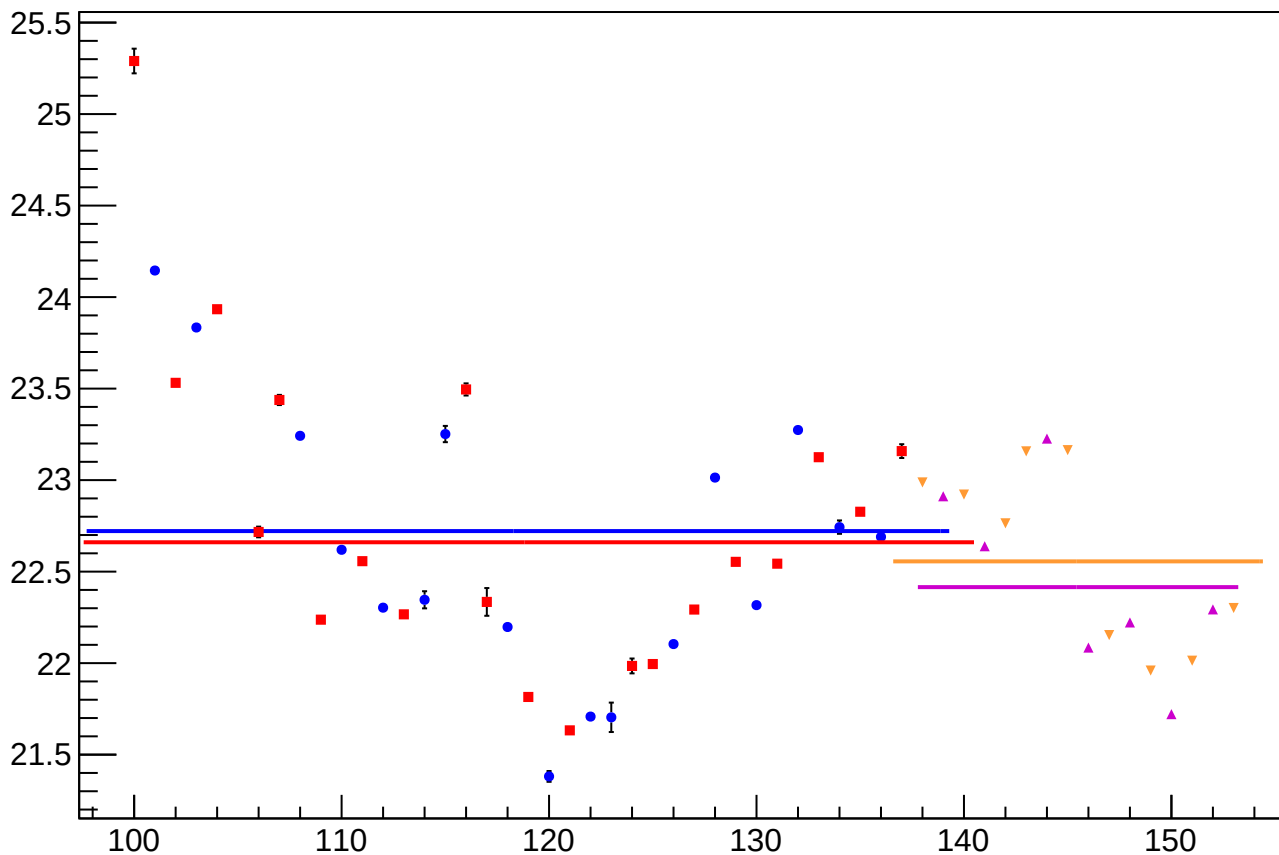
Left In: 17.190 $\pm$ 9.351 χ^2 /NDF: 7.7/6

10.933 $\pm$ 6.222 χ^2 /NDF: 28.5/25

10.923 $\pm$ 4.417 χ^2 /NDF: 55.2/52

10.913 $\pm$ 6.271 χ^2 /NDF: 26.7/26

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.556 $\pm$ 0.006 χ^2 /NDF: 5836.2/8

Right Out: 22.660 $\pm$ 0.006 χ^2 /NDF: 12974.2/19

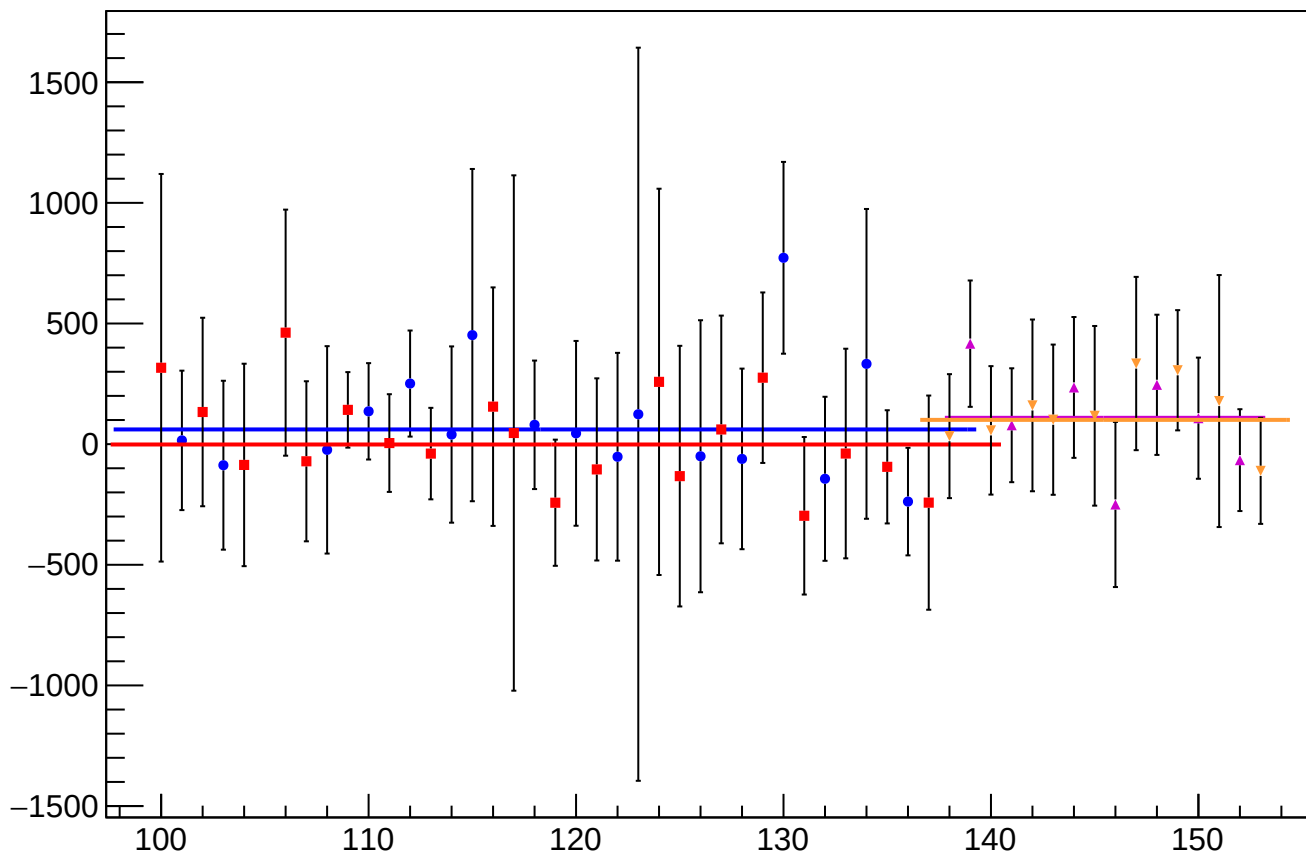
Left In: 22.415 $\pm$ 0.007 χ^2 /NDF: 5242.6/6

22.639 $\pm$ 0.004 χ^2 /NDF: 19770.6/25

22.595 $\pm$ 0.003 χ^2 /NDF: 38943.8/52

22.550 $\pm$ 0.004 χ^2 /NDF: 18972.7/26

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: 100.575 $\pm$ 98.564 χ^2 /NDF: 2.2/8

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

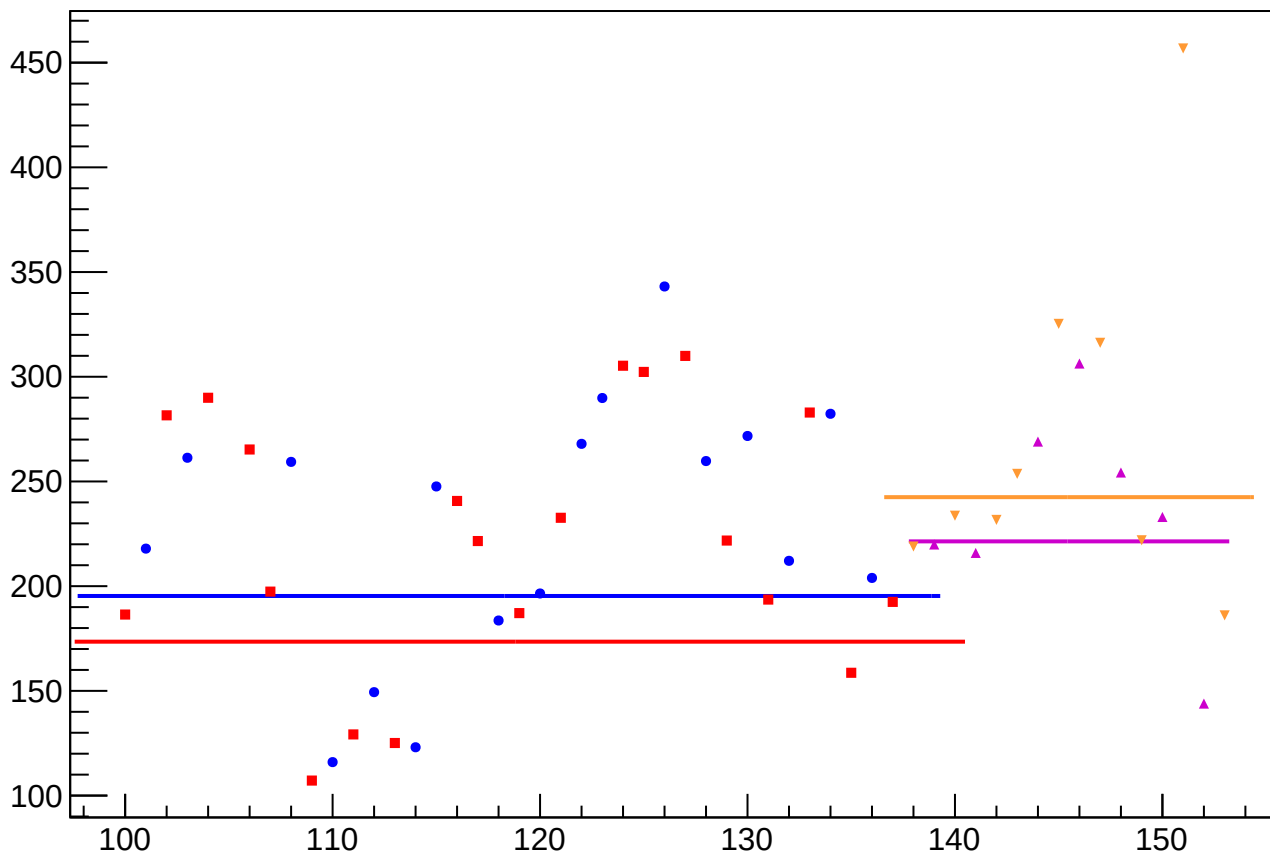
Left In: 109.105 $\pm$ 98.543 χ^2 /NDF: 3.6/6

76.740 $\pm$ 62.207 χ^2 /NDF: 9.5/25

54.646 $\pm$ 42.138 χ^2 /NDF: 19.3/52

35.912 $\pm$ 57.281 χ^2 /NDF: 9.6/26

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 242.504 $\pm$ 0.070 χ^2 /NDF: 688908.1/8

Right Out: 173.495 $\pm$ 0.050 χ^2 /NDF: 1582449.6/19

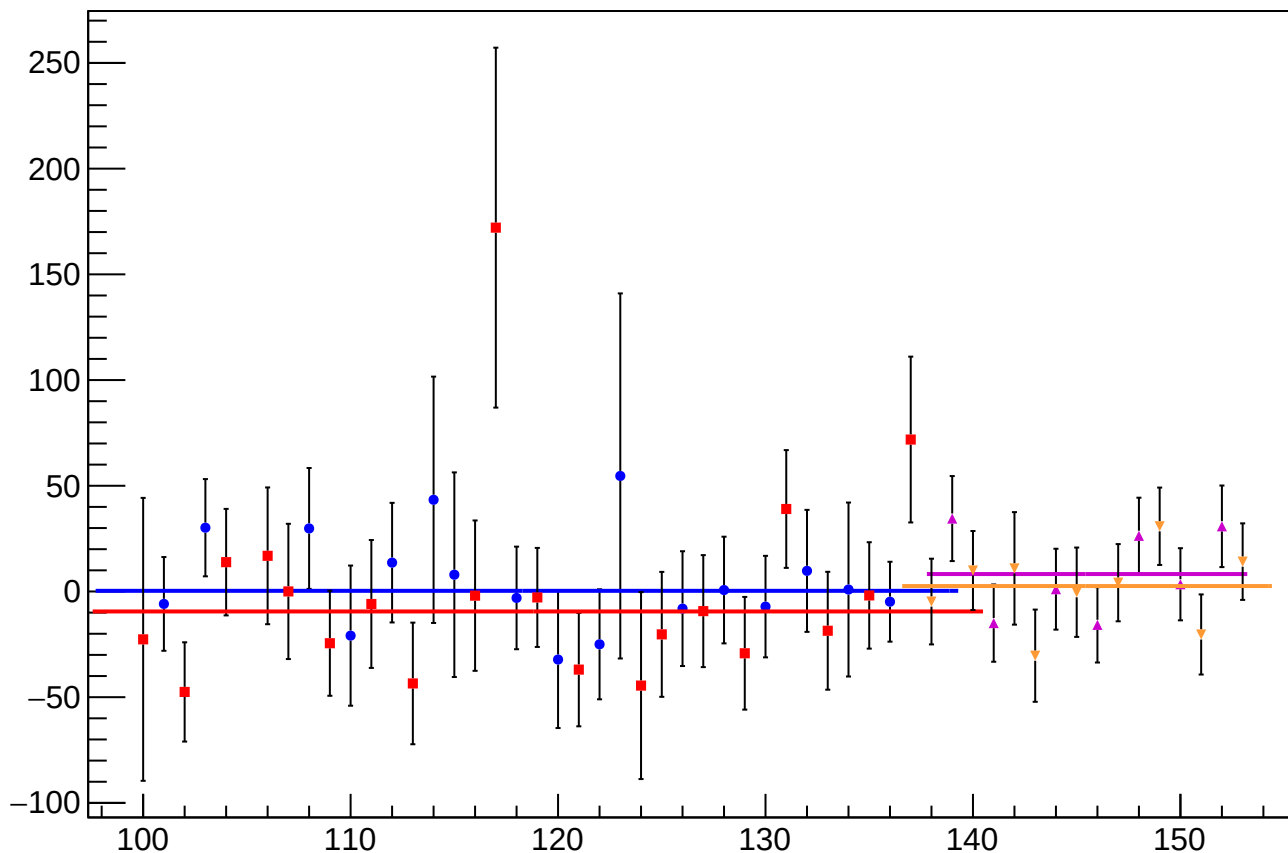
Left In: 221.387 $\pm$ 0.070 χ^2 /NDF: 477046.8/6

214.112 $\pm$ 0.044 χ^2 /NDF: 1968940.6/25

200.889 $\pm$ 0.030 χ^2 /NDF: 4508213.9/52

189.677 $\pm$ 0.041 χ^2 /NDF: 2372279.3/26

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: 2.561 ± 6.612 χ^2/NDF : 6.9/8

Right Out: -9.452 ± 6.608 χ^2/NDF : 20.6/19

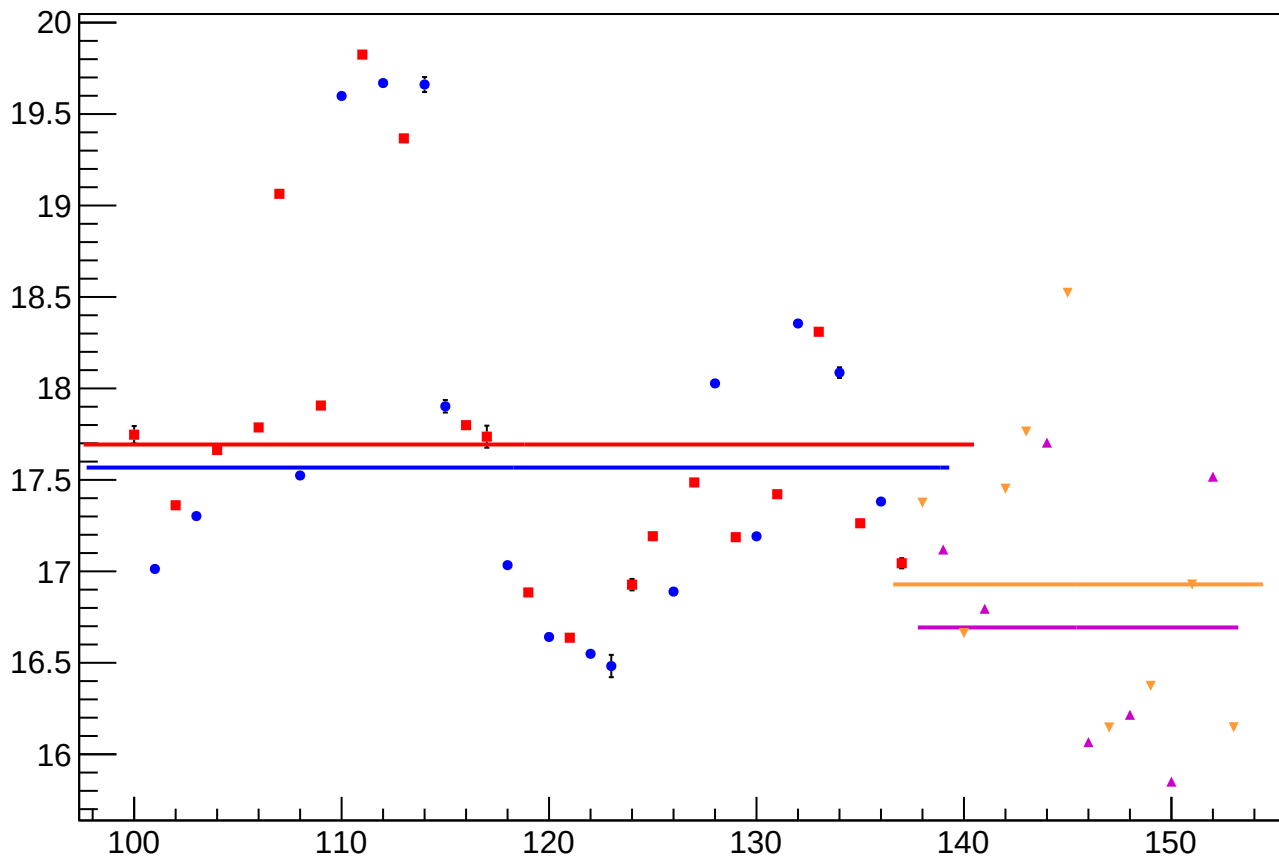
Left In: 8.241 ± 6.977 χ^2/NDF : 7.7/6

1.467 ± 4.744 χ^2/NDF : 13.8/25

0.205 ± 3.373 χ^2/NDF : 45.7/52

-1.086 ± 4.798 χ^2/NDF : 31.7/26

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: 16.929 $\pm$ 0.005 χ^2 /NDF: 25701.7/8

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.6/19

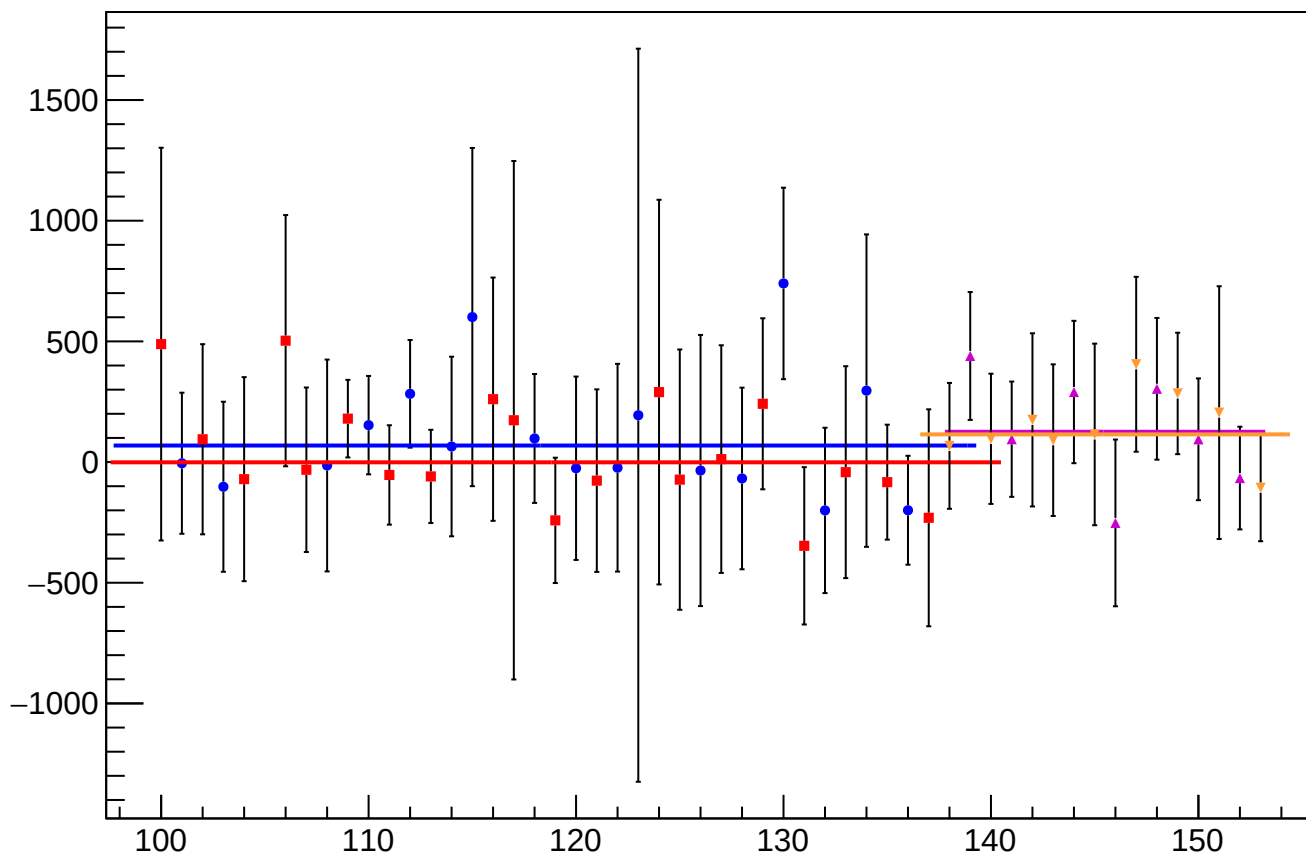
Left In: 16.693 $\pm$ 0.005 χ^2 /NDF: 18946.4/6

17.238 $\pm$ 0.003 χ^2 /NDF: 67899.7/25

17.230 $\pm$ 0.002 χ^2 /NDF: 139295.2/52

17.220 $\pm$ 0.003 χ^2 /NDF: 71381.3/26

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 114.702 $\pm$ 99.593 χ^2 /NDF: 2.2/8

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

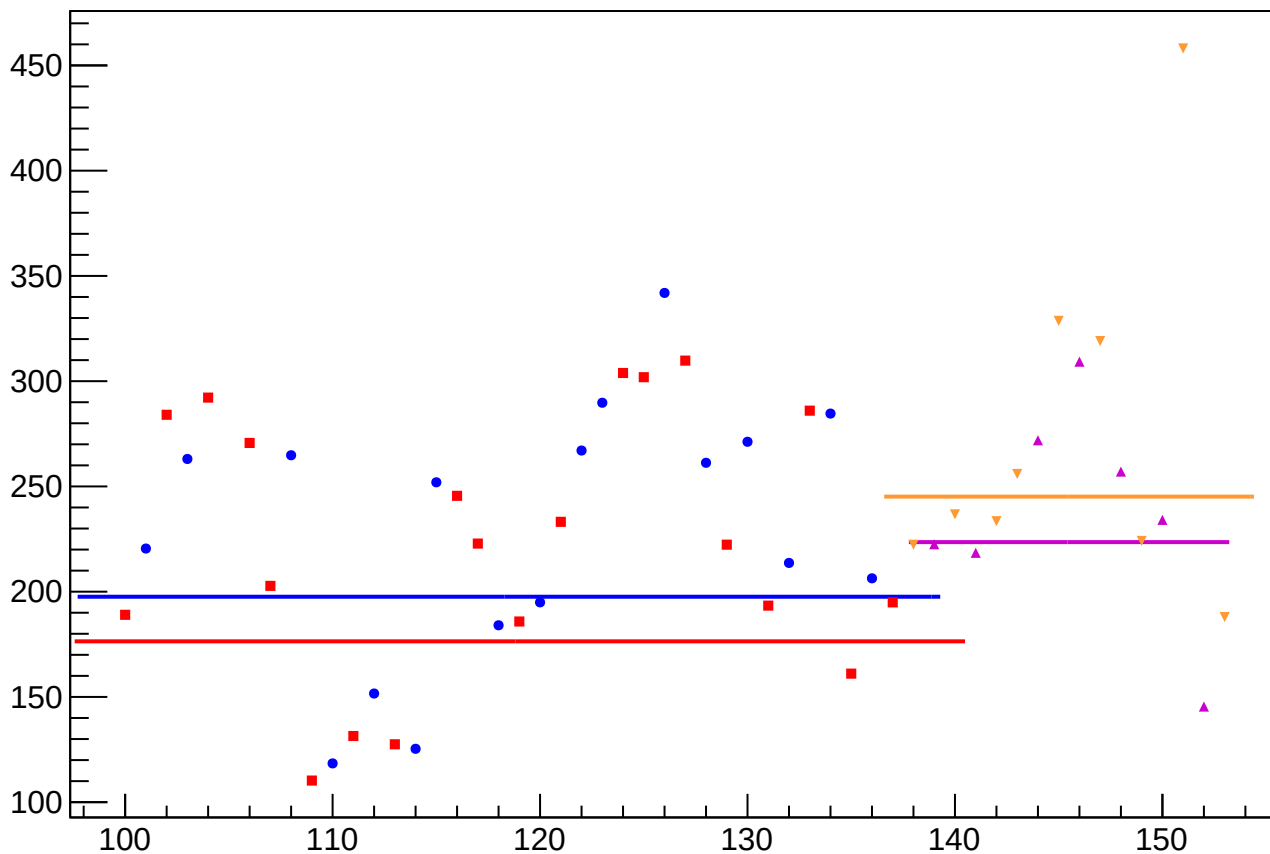
Left In: 125.522 $\pm$ 99.471 χ^2 /NDF: 4.1/6

86.931 $\pm$ 62.849 χ^2 /NDF: 9.6/25

62.646 $\pm$ 42.621 χ^2 /NDF: 21.3/52

41.968 $\pm$ 57.993 χ^2 /NDF: 11.3/26

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 +/- 0.057 χ^2/NDF : 968827.8/16

Left Out: 245.164 +/- 0.070 χ^2/NDF : 681304.4/8

Right Out: 176.407 +/- 0.050 χ^2/NDF : 1523589.5/19

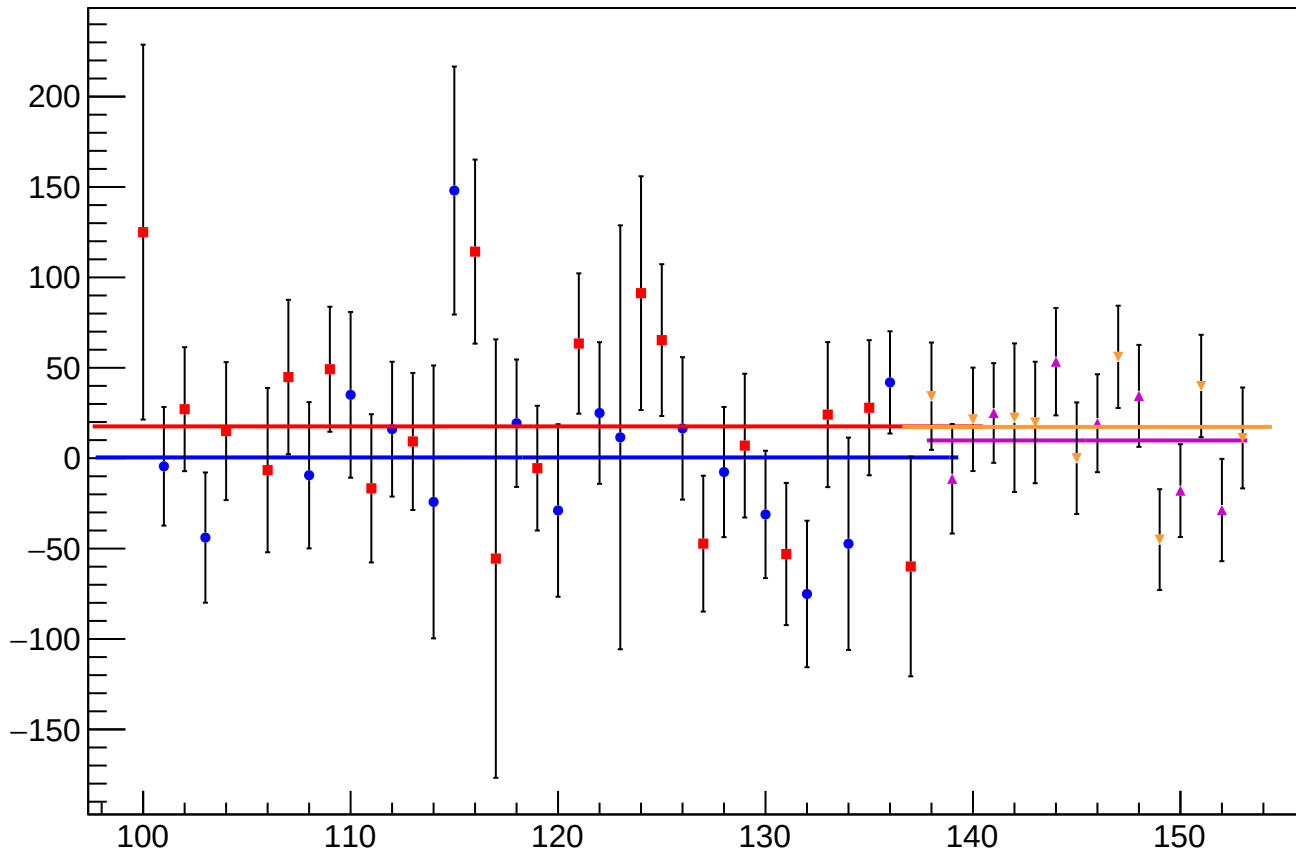
Left In: 223.549 +/- 0.070 χ^2/NDF : 477116.6/6

216.544 +/- 0.044 χ^2/NDF : 1924599.2/25

203.520 +/- 0.030 χ^2/NDF : 4380824.7/52

192.431 +/- 0.041 χ^2/NDF : 2297223.4/26

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 17.311 ± 10.023 χ^2/NDF : 8.2/8

Right Out: 17.595 ± 9.470 χ^2/NDF : 19.8/19

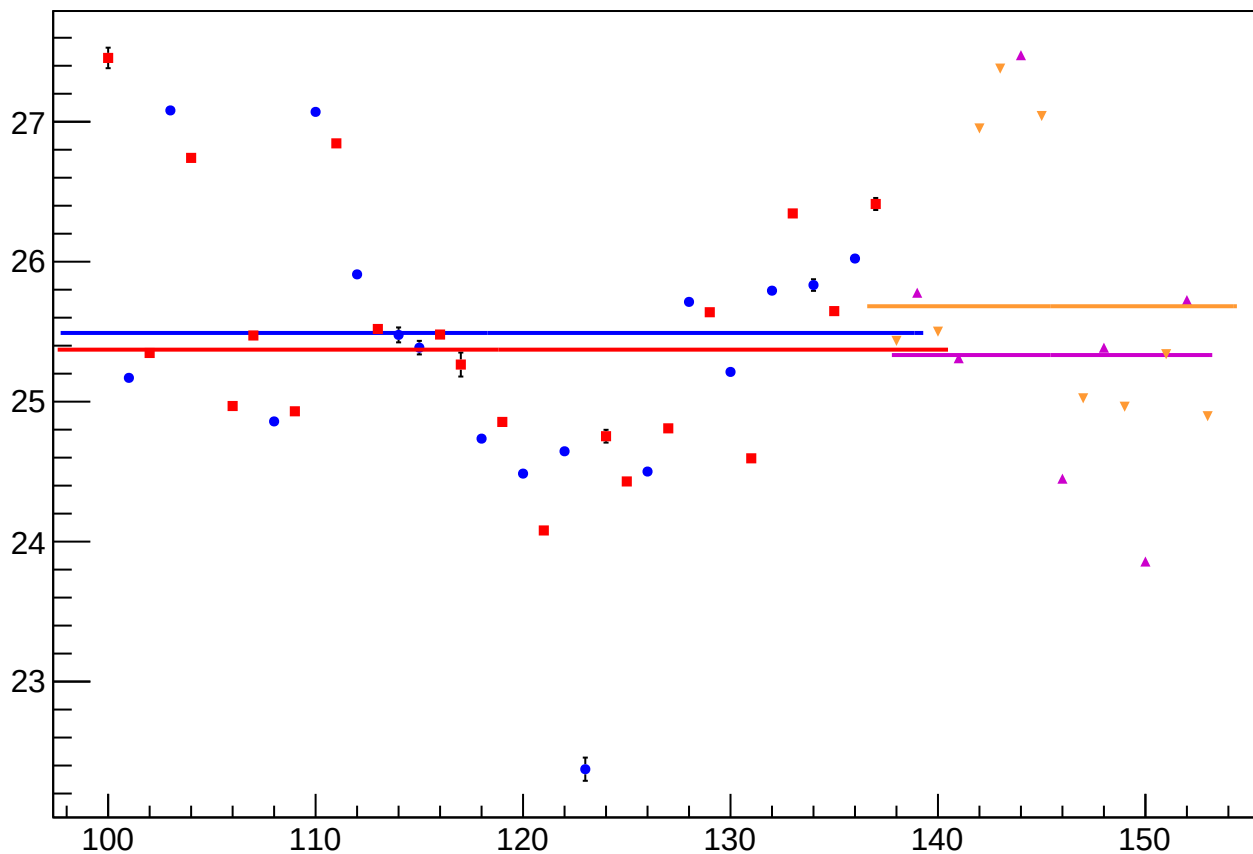
Left In: 9.823 ± 10.584 χ^2/NDF : 6.9/6

8.751 ± 7.038 χ^2/NDF : 25.1/25

11.438 ± 4.983 χ^2/NDF : 52.4/52

14.140 ± 7.057 χ^2/NDF : 27.0/26

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: 25.682 $\pm$ 0.007 χ^2 /NDF:15407.2/8

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

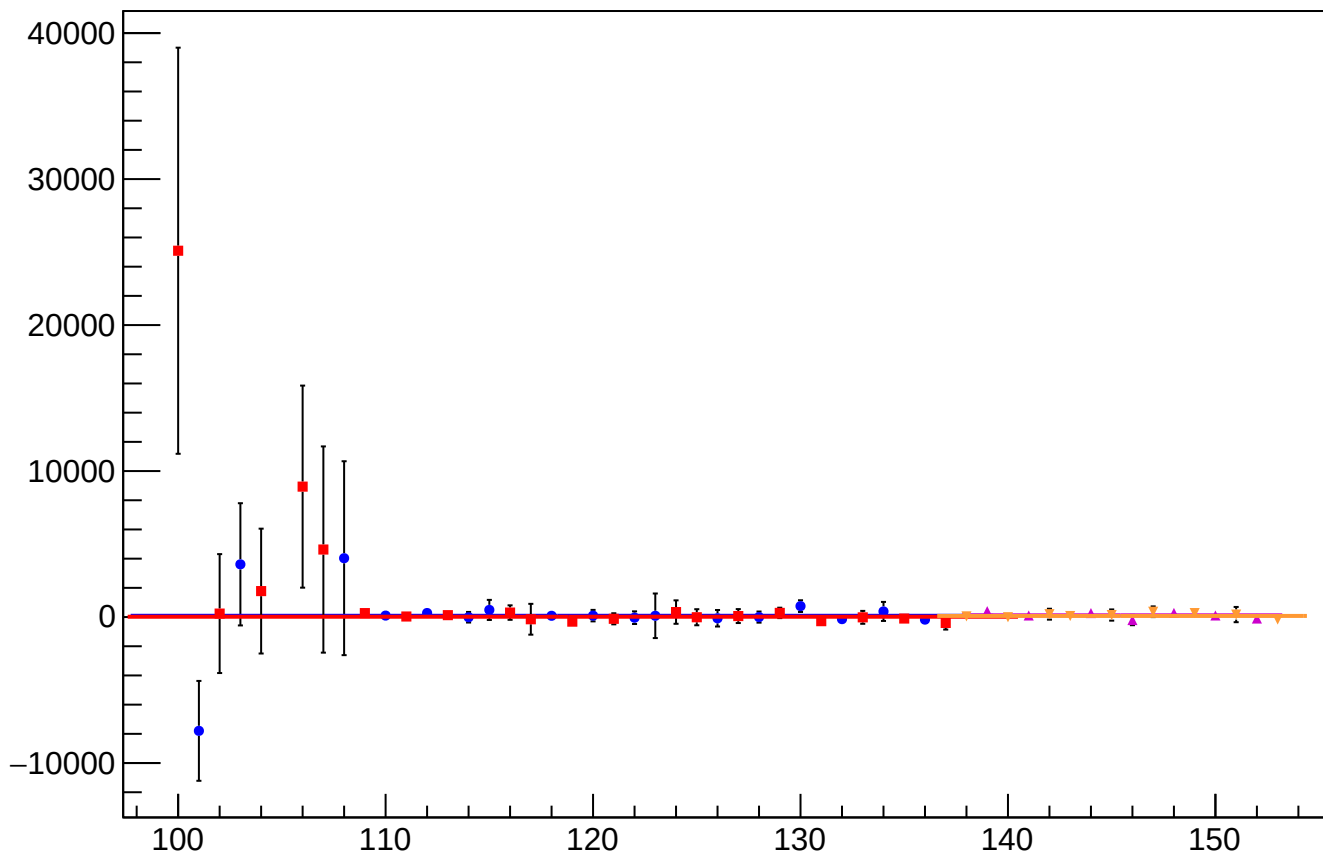
Left In: 25.333 $\pm$ 0.007 χ^2 /NDF:19967.9/6

25.585 $\pm$ 0.005 χ^2 /NDF: 29487.5/25

25.470 $\pm$ 0.004 χ^2 /NDF: 64091.9/52

25.354 $\pm$ 0.005 χ^2 /NDF: 33534.7/26

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: 77.211+/-101.198 χ^2/NDF : 2.6/8

Right Out: 22.332+/-80.711 χ^2/NDF : 11.9/19

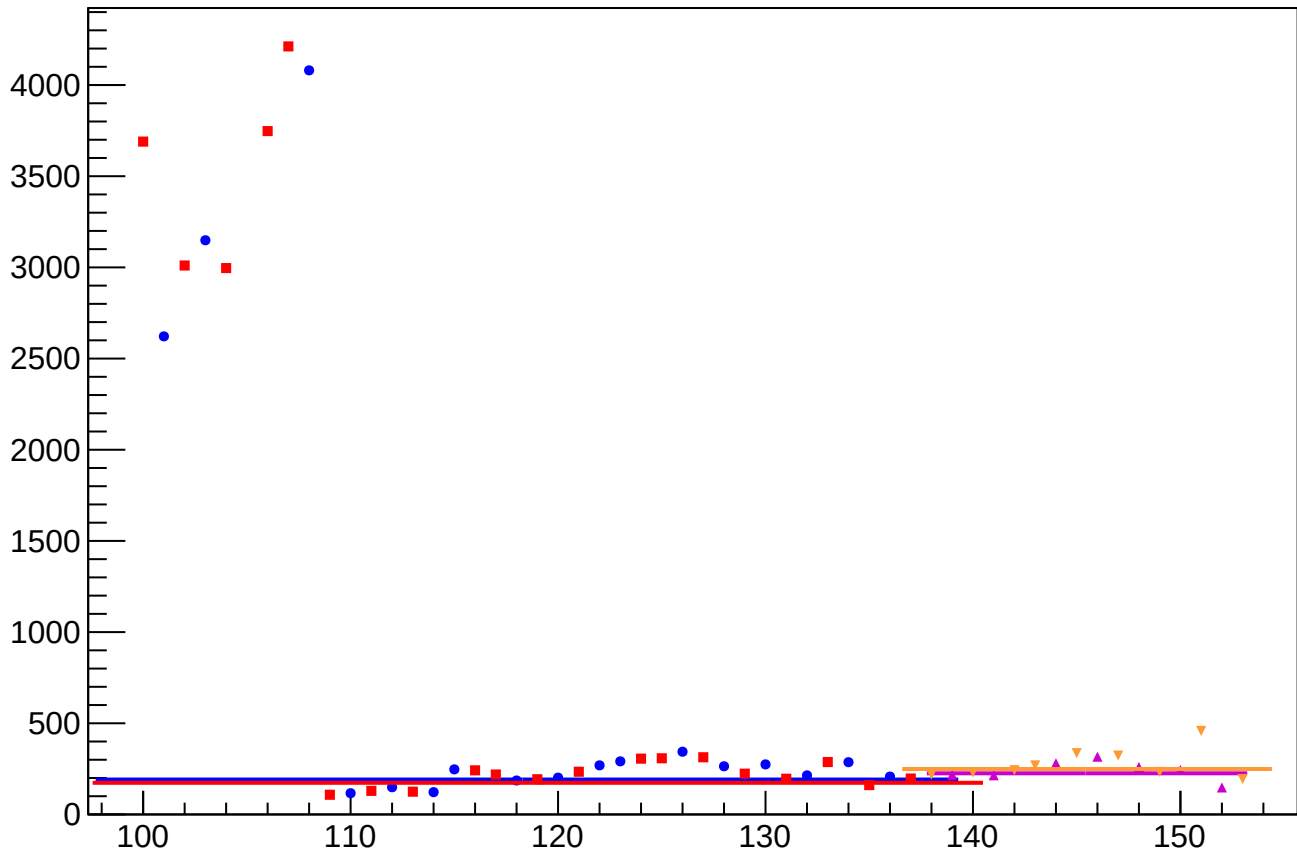
Left In: 119.584+/-100.466 χ^2/NDF : 3.7/6

82.511+/-66.586 χ^2/NDF : 15.1/25

70.872+/-45.733 χ^2/NDF : 31.3/52

60.479+/-62.921 χ^2/NDF : 16.2/26

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478 $\pm$ 0.063 χ^2 /NDF: 3573154.3/16

Left Out: 249.281 $\pm$ 0.072 χ^2 /NDF: 672709.2/8

Right Out: 173.565 $\pm$ 0.057 χ^2 /NDF: 4211161.0/19

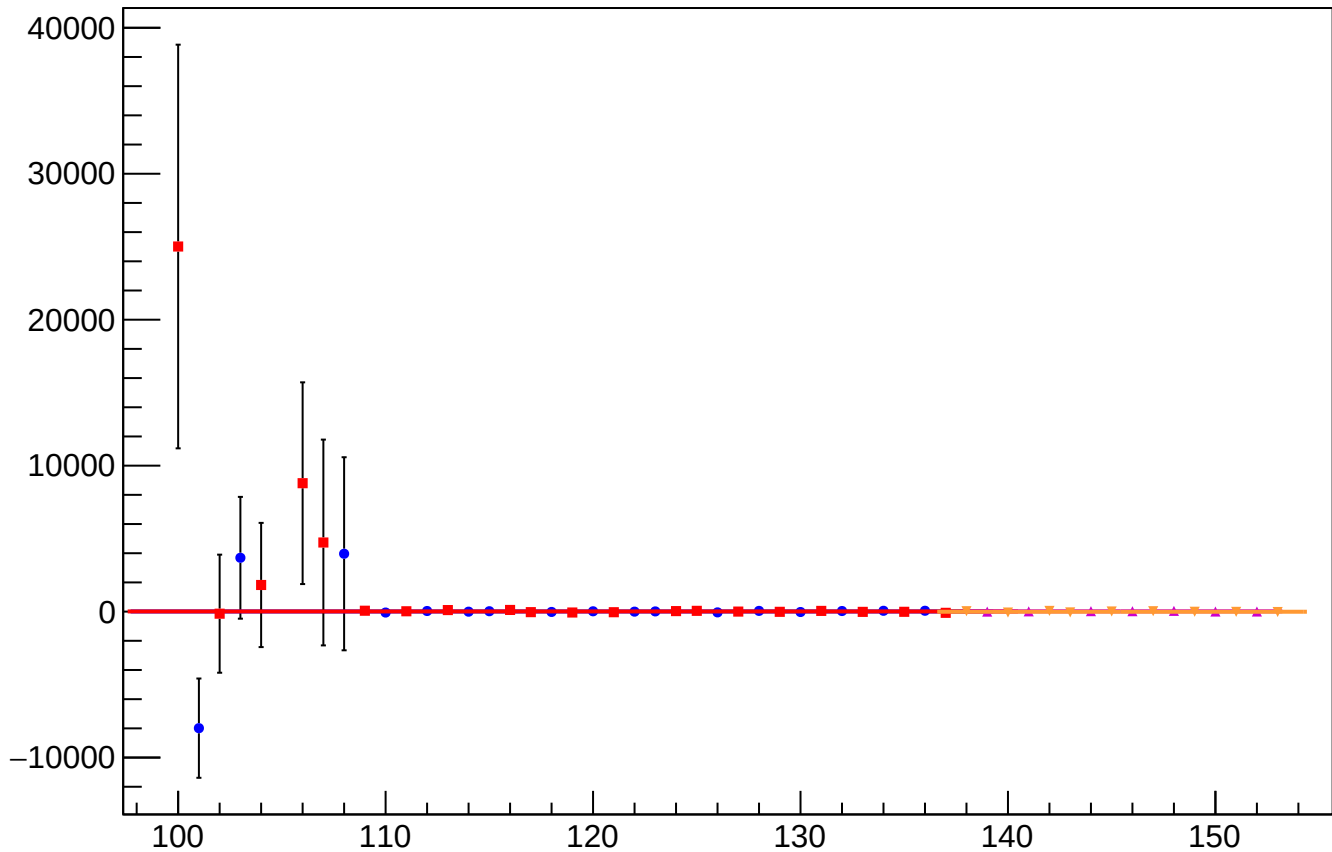
Left In: 225.658 $\pm$ 0.071 χ^2 /NDF: 501238.1/6

216.503 $\pm$ 0.047 χ^2 /NDF: 4615881.1/25

204.614 $\pm$ 0.032 χ^2 /NDF: 9775763.0/52

193.998 $\pm$ 0.044 χ^2 /NDF: 5039192.3/26

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: -9.248+/-11.696 χ^2/NDF : 8.4/8

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

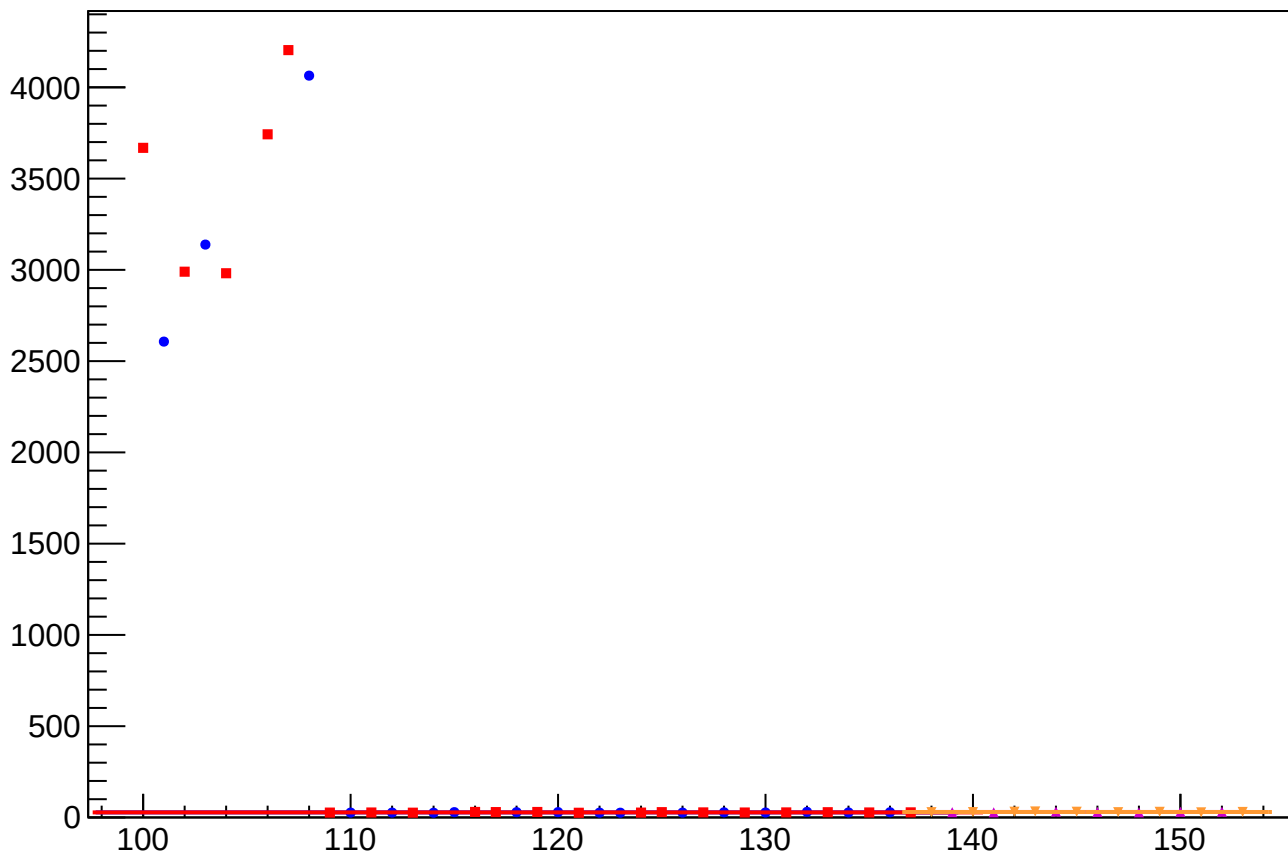
Left In: 21.070+/-12.567 χ^2/NDF : 1.8/6

0.041+/-8.470 χ^2/NDF : 28.1/25

8.027+/-6.085 χ^2/NDF : 56.9/52

16.548+/-8.749 χ^2/NDF : 27.0/26

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: 29.911+/-0.008 χ^2/NDF : 29430.9/8

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

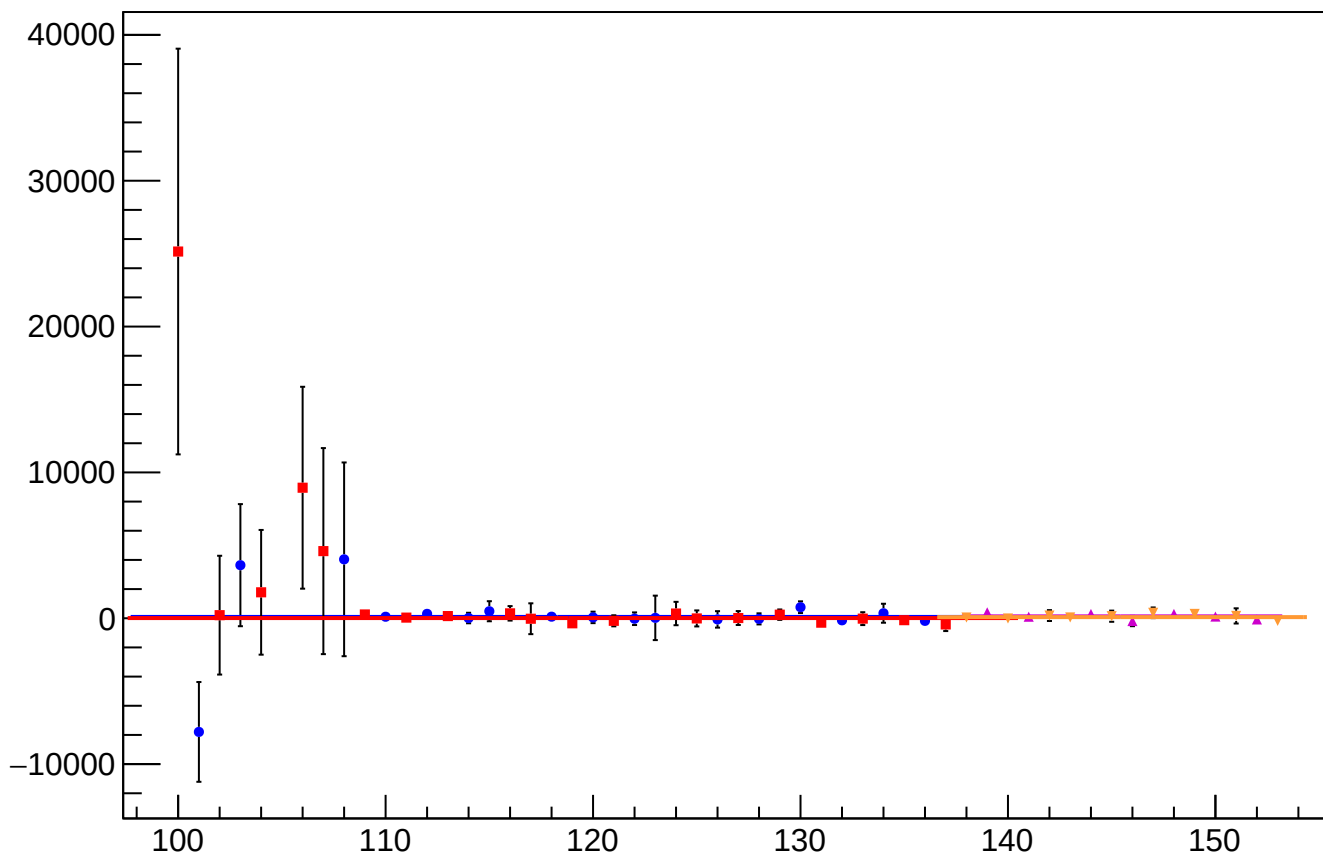
Left In: 30.002+/-0.009 χ^2/NDF : 29598.6/6

28.933+/-0.006 χ^2/NDF : 3086494.1/25

28.878+/-0.004 χ^2/NDF : 6627757.4/52

28.819+/-0.006 χ^2/NDF : 3541088.3/26

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: 78.078+/-100.974 χ^2/NDF : 2.9/8

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

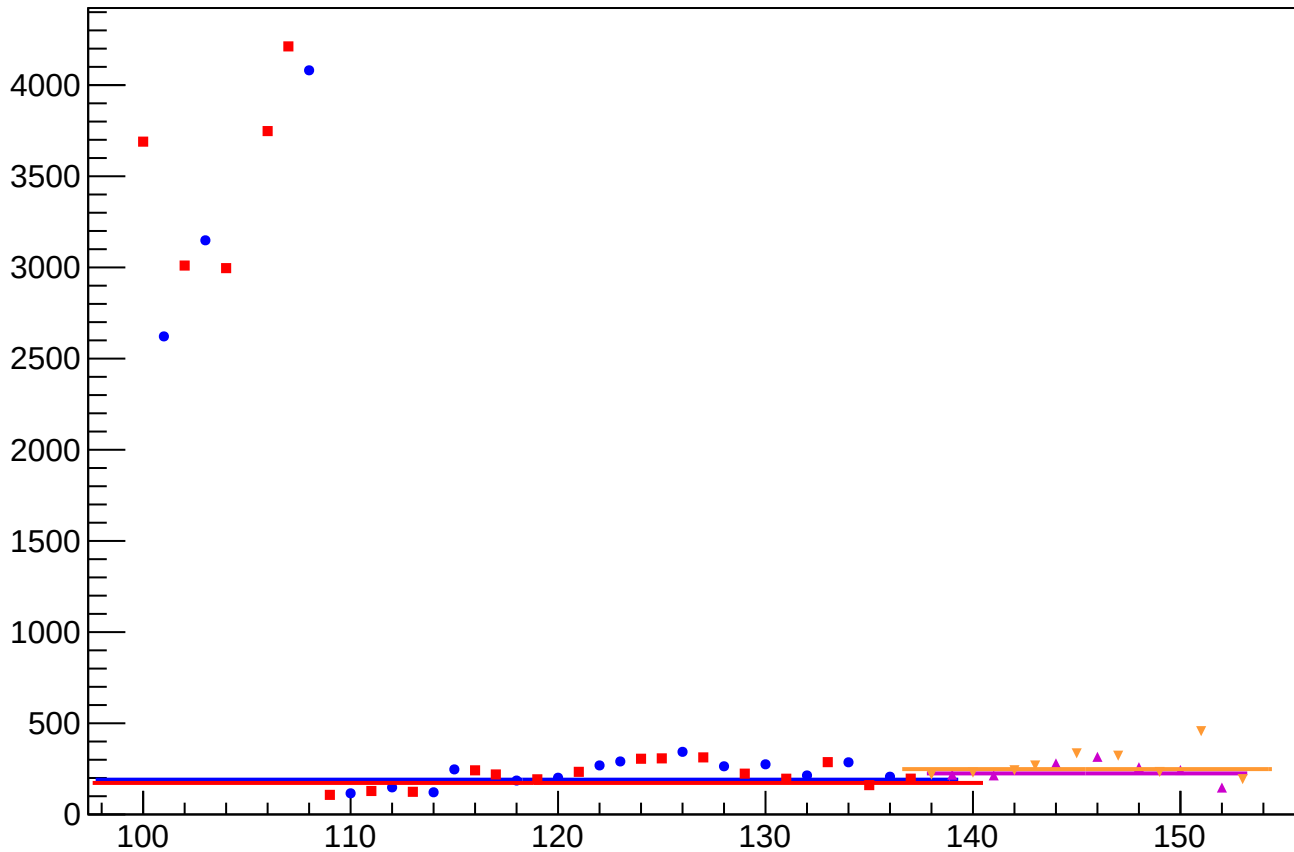
Left In: 130.073+/-100.227 χ^2/NDF : 3.6/6

85.282+/-66.405 χ^2/NDF : 15.7/25

71.354+/-45.604 χ^2/NDF : 32.9/52

58.921+/-62.740 χ^2/NDF : 17.1/26

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: 248.726 ± 0.071 χ^2/NDF : 672782.5/8

Right Out: 172.900 ± 0.057 χ^2/NDF : 4222511.2/19

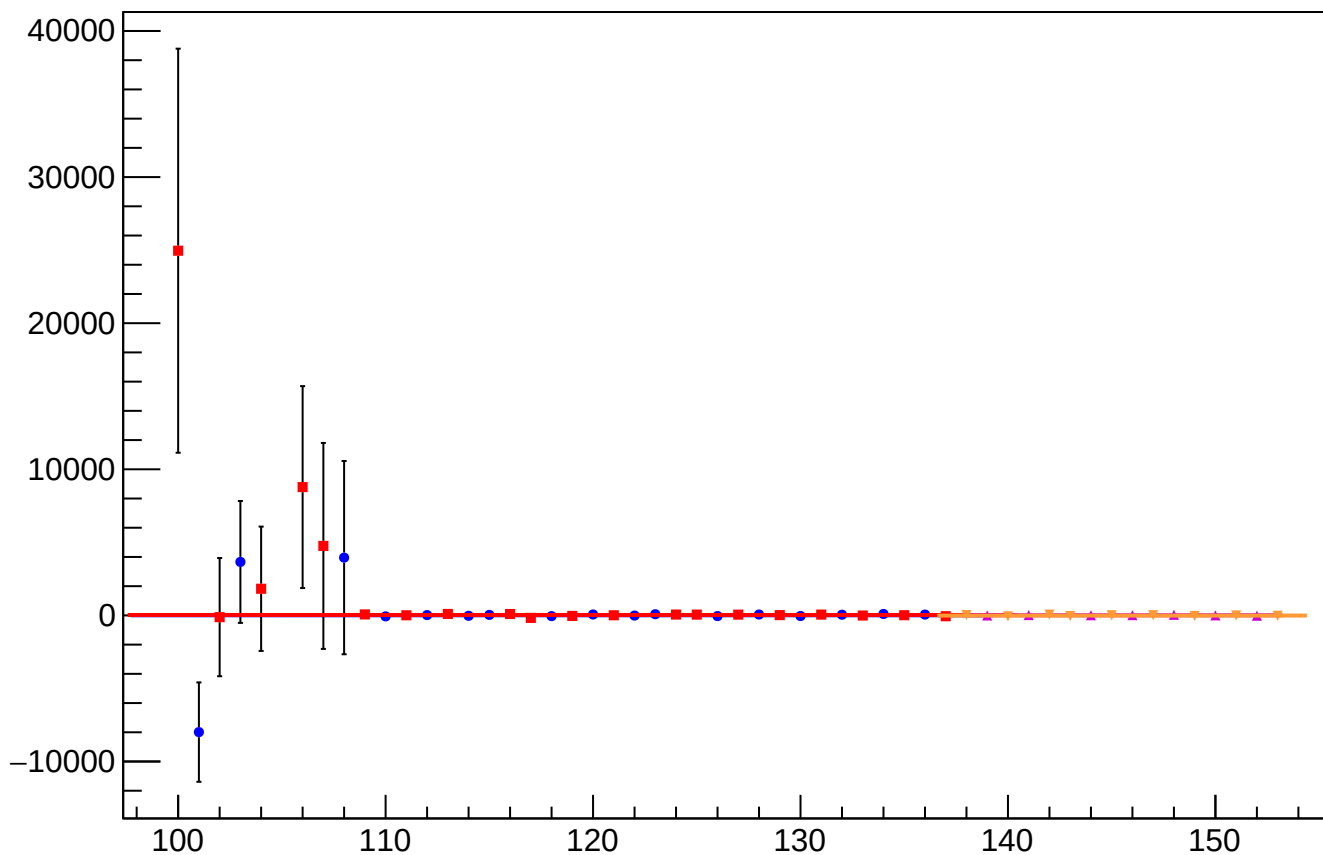
Left In: 225.098 ± 0.071 χ^2/NDF : 503040.2/6

215.835 ± 0.047 χ^2/NDF : 4631737.7/25

203.957 ± 0.032 χ^2/NDF : 9808306.9/52

193.354 ± 0.044 χ^2/NDF : 5055452.1/26

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: -11.422 $\pm$ 11.777 χ^2 /NDF: 7.4/8

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

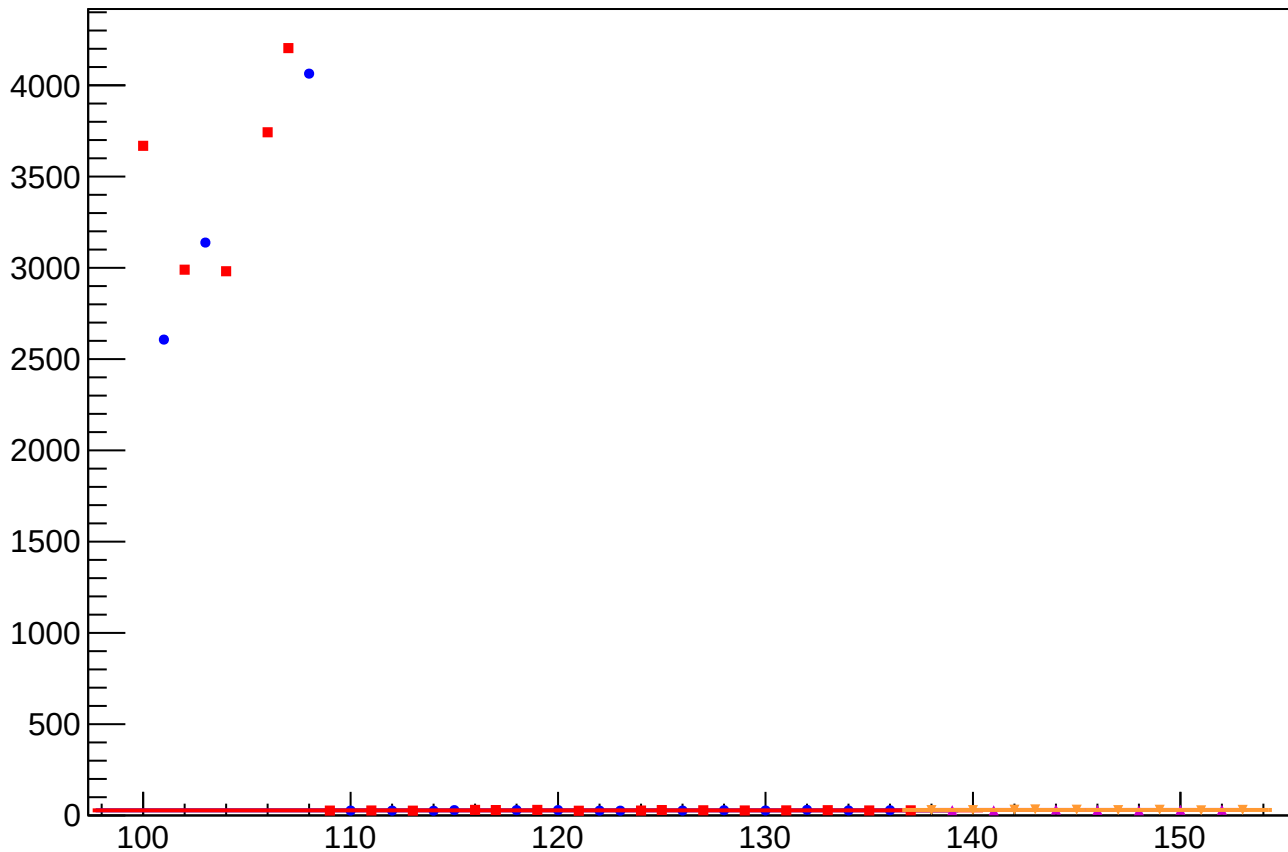
Left In: 10.572 $\pm$ 12.630 χ^2 /NDF: 2.3/6

-1.900 $\pm$ 8.529 χ^2 /NDF: 31.9/25

8.444 $\pm$ 6.127 χ^2 /NDF: 57.0/52

19.474 $\pm$ 8.807 χ^2 /NDF: 22.0/26

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: 30.117 $\pm$ 0.008 χ^2 /NDF:30753.7/8

Right Out: 27.930 $\pm$ 0.009 χ^2 /NDF: 3479947.6/19

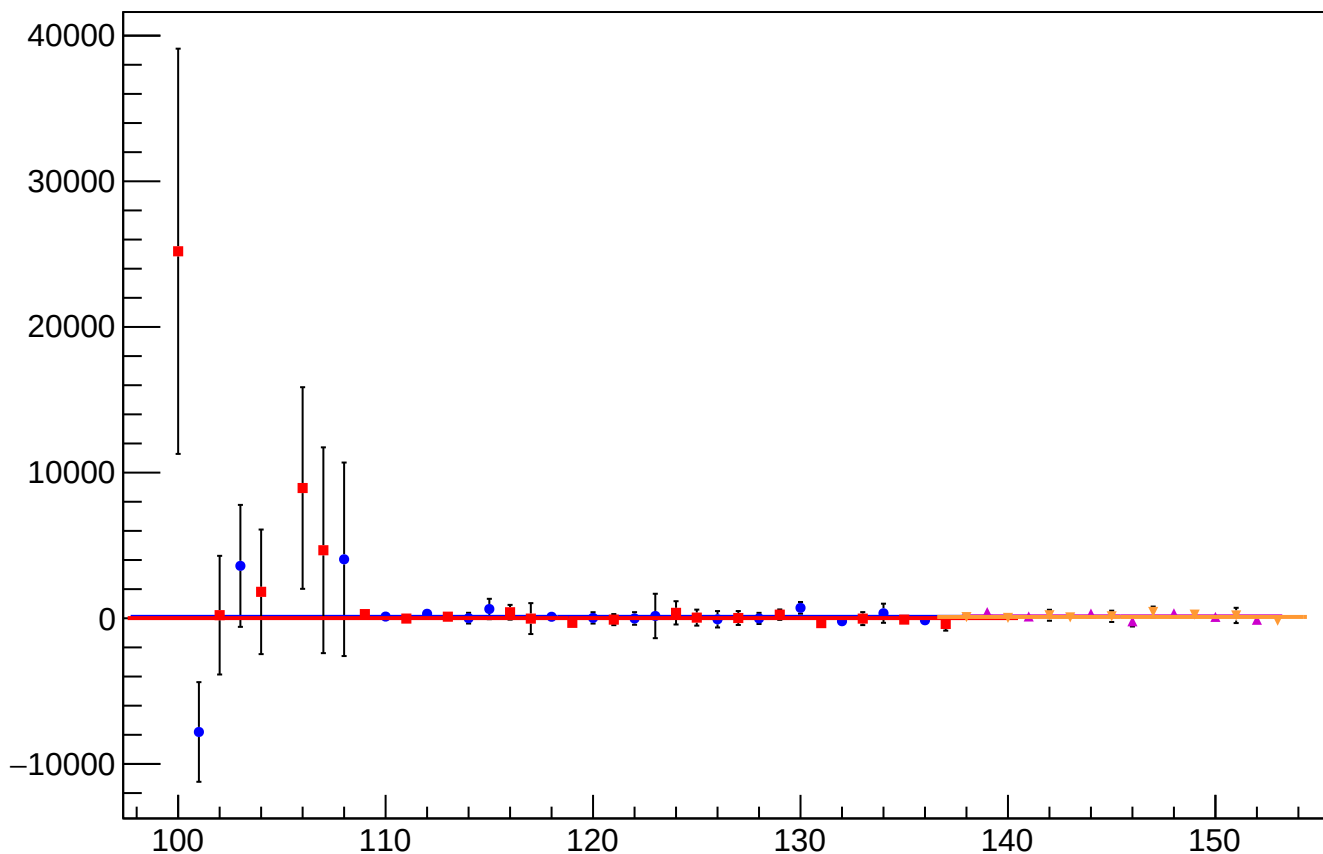
Left In: 30.161 $\pm$ 0.009 χ^2 /NDF:29792.3/6

29.131 $\pm$ 0.006 χ^2 /NDF: 3088129.3/25

29.075 $\pm$ 0.004 χ^2 /NDF: 6630102.7/52

29.015 $\pm$ 0.006 χ^2 /NDF: 3541792.5/26

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: 91.657+/-102.224 χ^2/NDF : 2.7/8

Right Out: 11.533+/-81.530 χ^2/NDF : 12.3/19

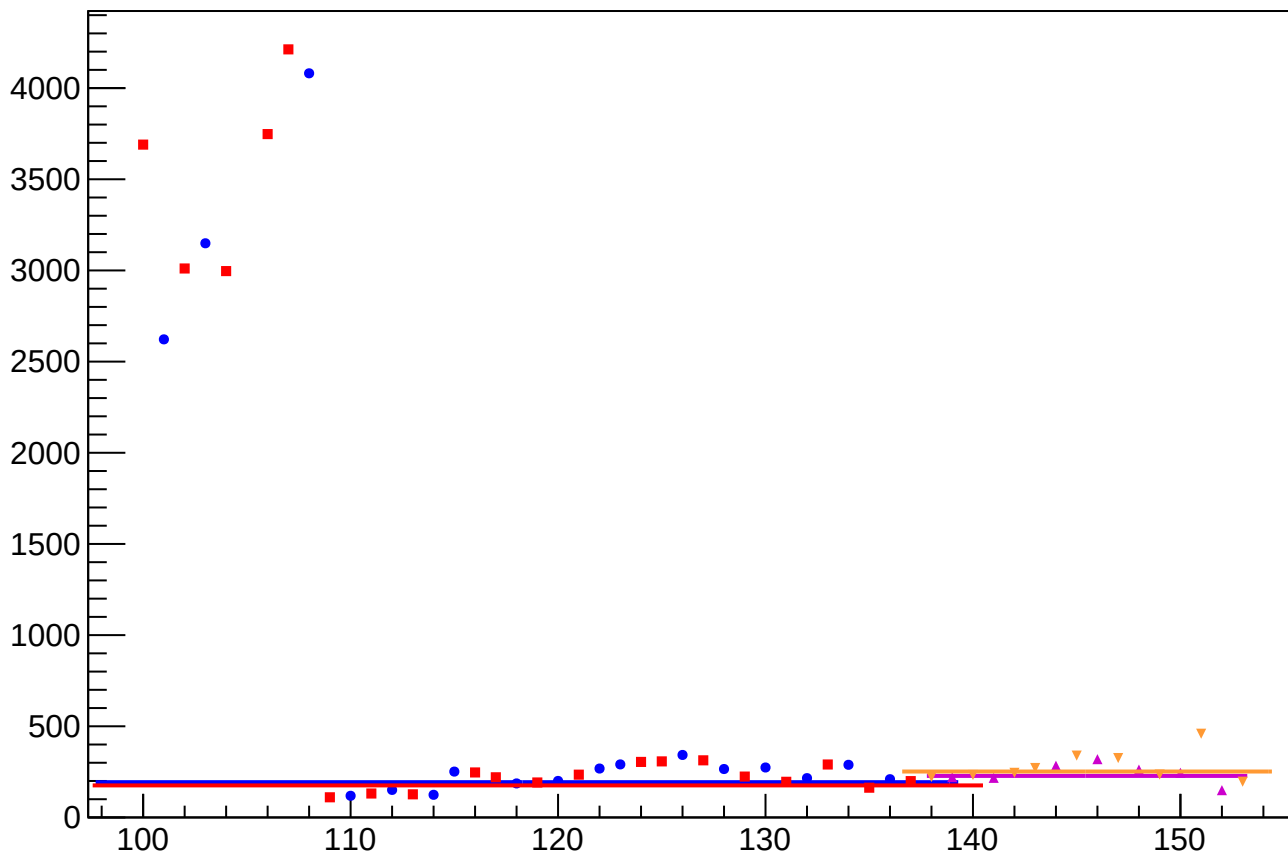
Left In: 135.433+/-101.393 χ^2/NDF : 4.2/6

95.339+/-67.211 χ^2/NDF : 15.2/25

76.775+/-46.172 χ^2/NDF : 32.8/52

60.186+/-63.537 χ^2/NDF : 17.4/26

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516 $\pm$ 0.063 χ^2 /NDF: 3536947.8/16

Left Out: 251.946 $\pm$ 0.072 χ^2 /NDF: 664043.4/8

Right Out: 175.774 $\pm$ 0.058 χ^2 /NDF: 4169115.6/19

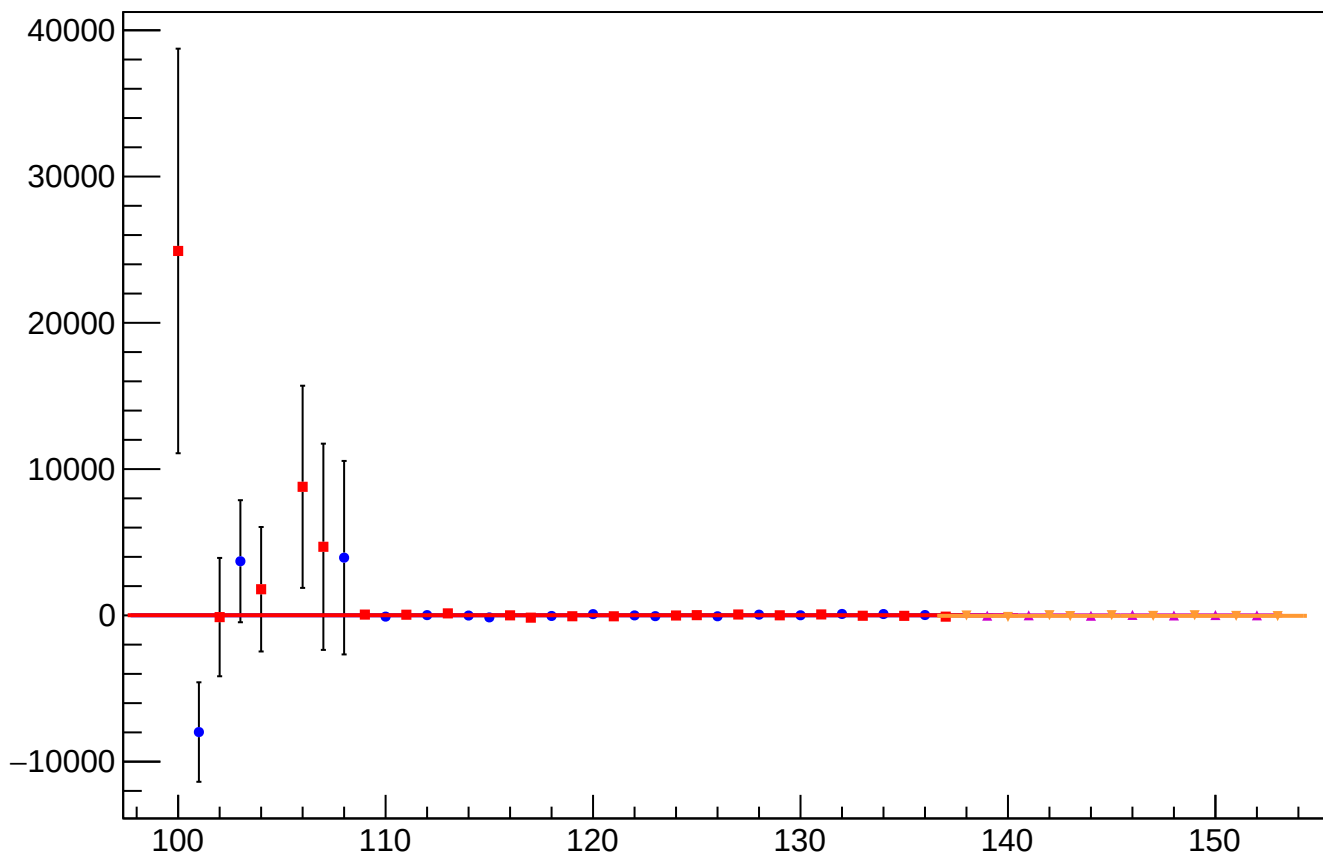
Left In: 227.842 $\pm$ 0.072 χ^2 /NDF: 499331.9/6

218.775 $\pm$ 0.048 χ^2 /NDF: 4571941.1/25

206.864 $\pm$ 0.033 χ^2 /NDF: 9679644.8/52

196.220 $\pm$ 0.045 χ^2 /NDF: 4988762.5/26

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565+/-15.052 χ^2 /NDF: 20.4/16

Left Out: -31.137+/-13.851 χ^2 /NDF: 6.9/8

Right Out: 10.775+/-14.891 χ^2 /NDF: 23.0/19

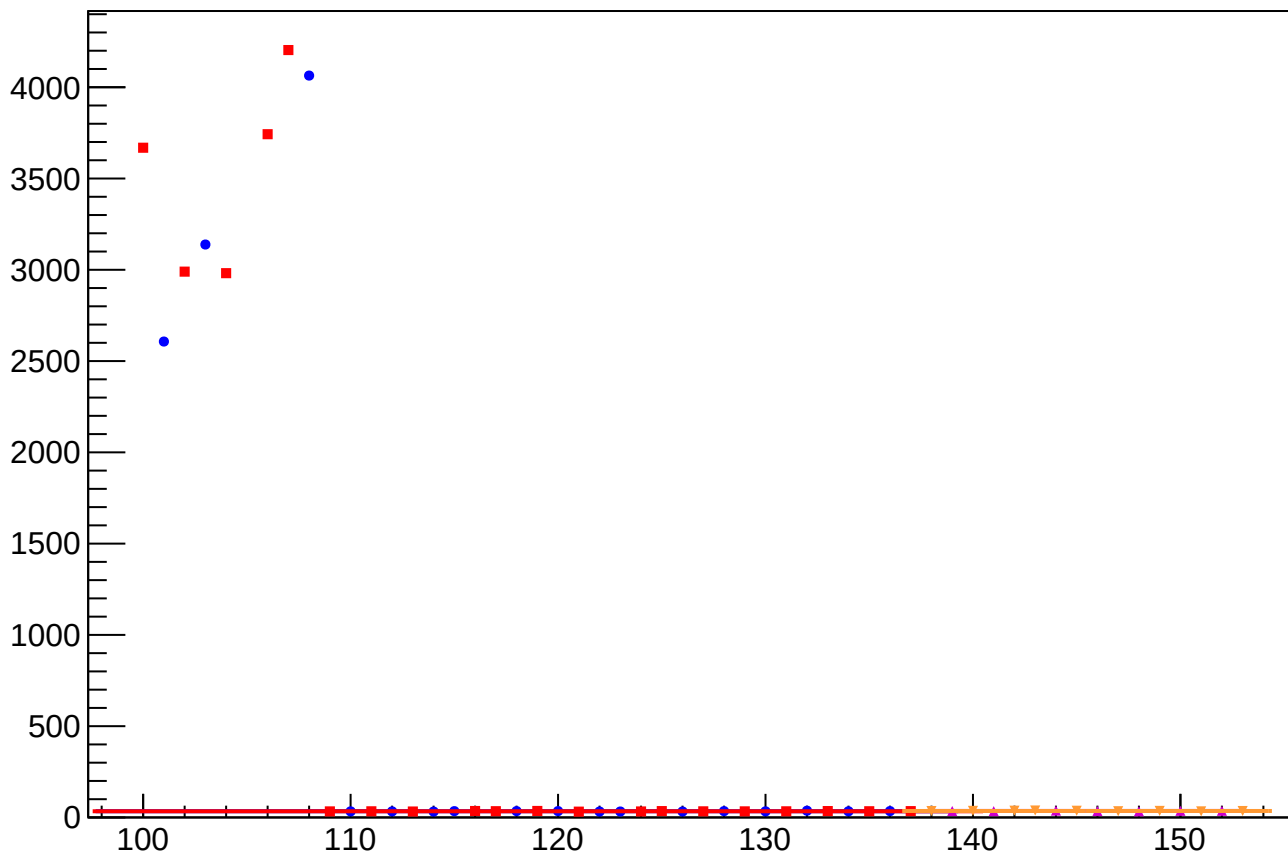
Left In: 3.237+/-14.894 χ^2 /NDF: 1.6/6

-14.309+/-10.192 χ^2 /NDF: 30.6/25

-3.999+/-7.324 χ^2 /NDF: 57.5/52

7.007+/-10.531 χ^2 /NDF: 24.7/26

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: 35.471+/-0.010 χ^2/NDF :19067.4/8

Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

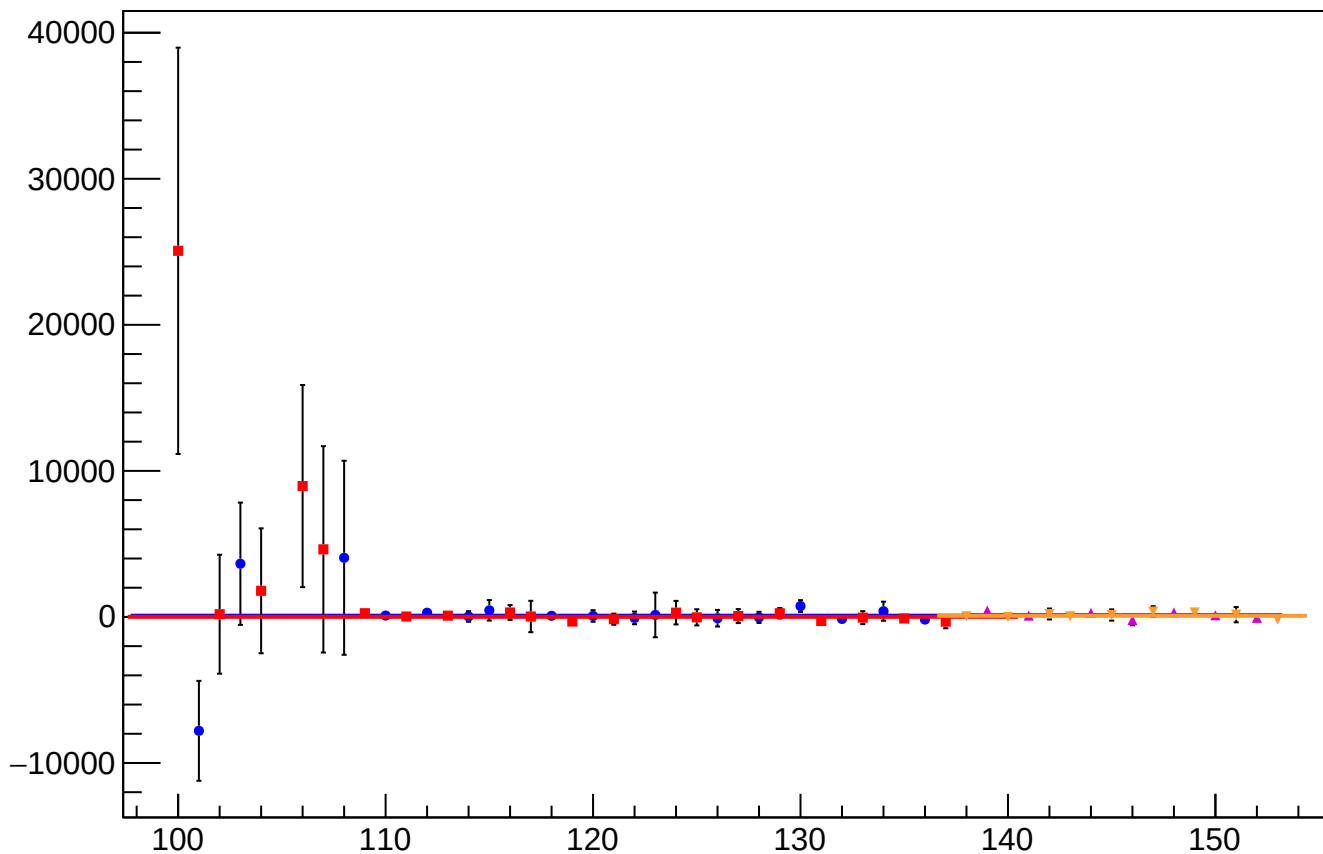
Left In: 35.636+/-0.011 χ^2/NDF :12438.5/6

34.873+/-0.007 χ^2/NDF : 3033702.8/25

34.826+/-0.005 χ^2/NDF : 6511499.0/52

34.776+/-0.007 χ^2/NDF : 3477707.1/26

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: 77.754+/-101.625 χ^2/NDF : 3.0/8

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

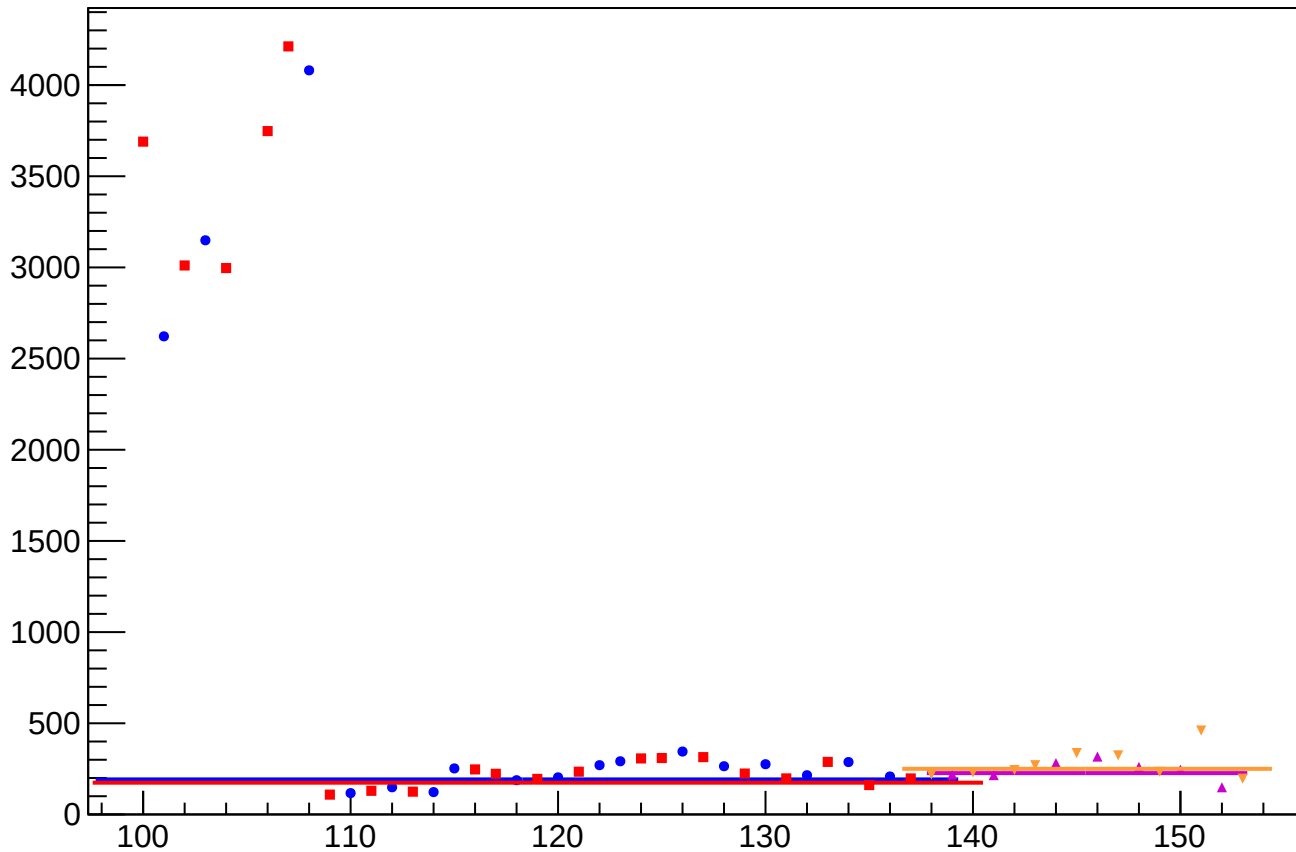
Left In: 132.402+/-100.919 χ^2/NDF : 3.7/6

81.584+/-66.845 χ^2/NDF : 15.5/25

68.692+/-45.917 χ^2/NDF : 31.2/52

57.174+/-63.182 χ^2/NDF : 15.7/26

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177 ± 0.063 χ^2/NDF : 3574617.3/16

Left Out: 250.400 ± 0.072 χ^2/NDF : 667694.0/8

Right Out: 174.240 ± 0.057 χ^2/NDF : 4215763.8/19

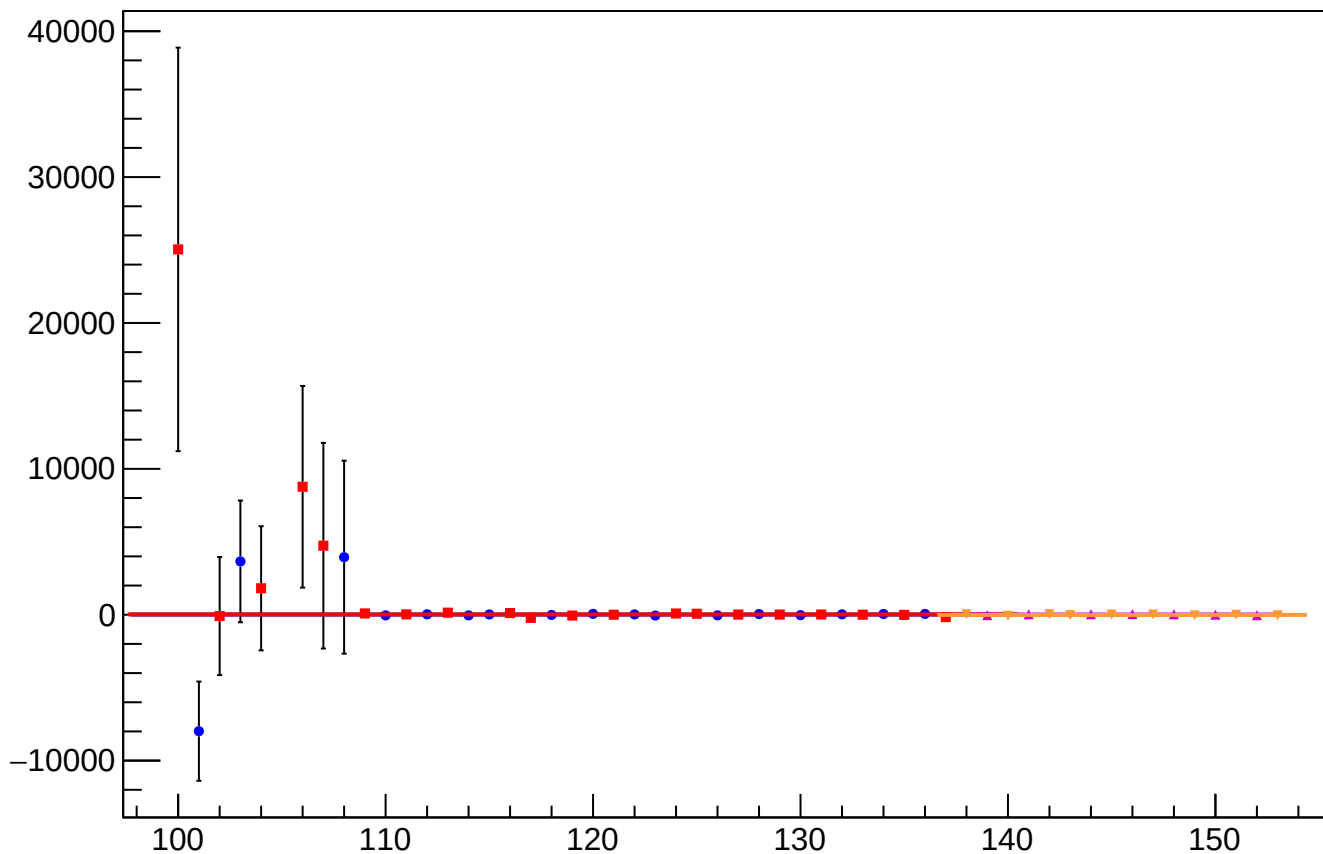
Left In: 226.749 ± 0.071 χ^2/NDF : 495801.9/6

217.368 ± 0.047 χ^2/NDF : 4614764.7/25

205.460 ± 0.032 χ^2/NDF : 9775737.0/52

194.821 ± 0.045 χ^2/NDF : 5040796.9/26

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: -14.012+/-12.721 χ^2/NDF : 7.4/8

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

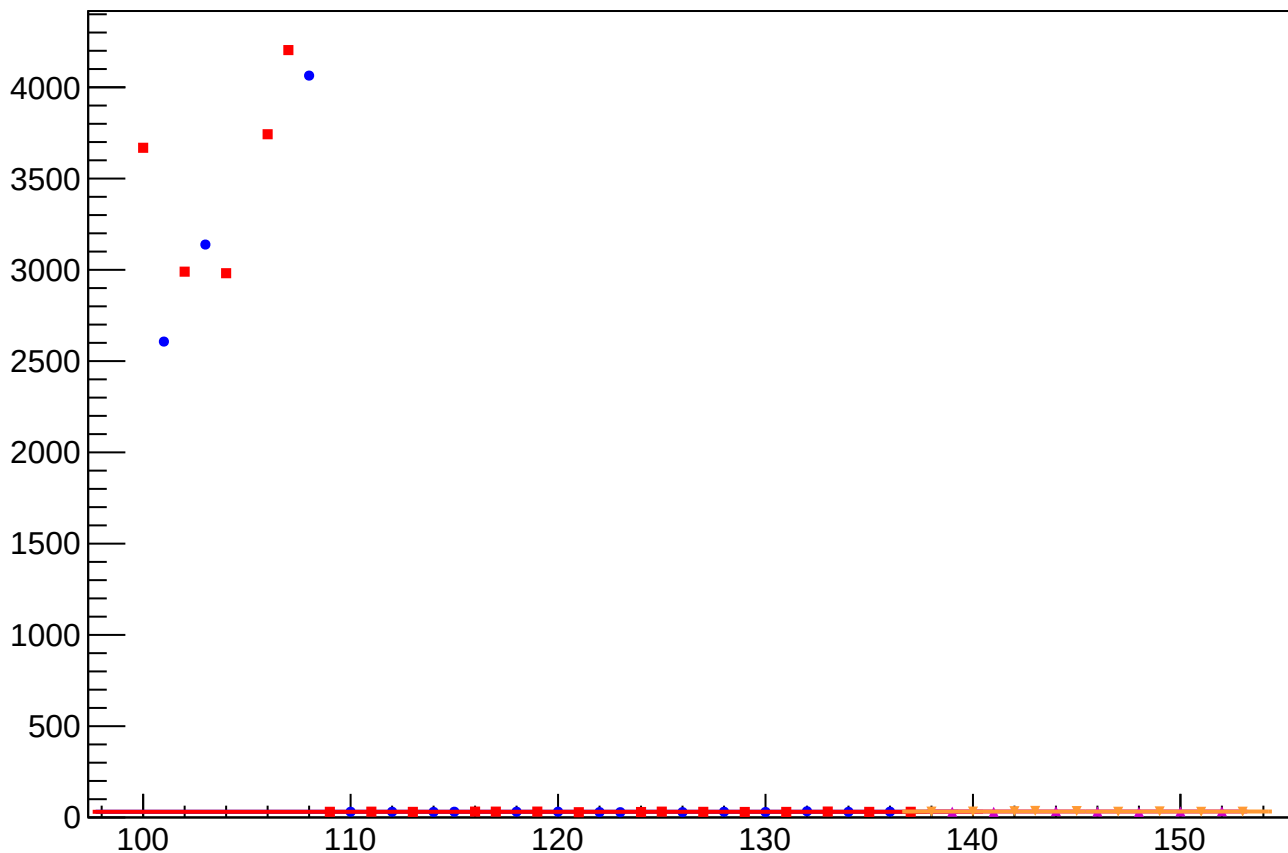
Left In: 13.951+/-13.668 χ^2/NDF : 4.4/6

-1.644+/-9.329 χ^2/NDF : 24.1/25

7.544+/-6.705 χ^2/NDF : 61.0/52

17.361+/-9.643 χ^2/NDF : 34.9/26

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: 32.537+/-0.009 χ^2/NDF :31830.6/8

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

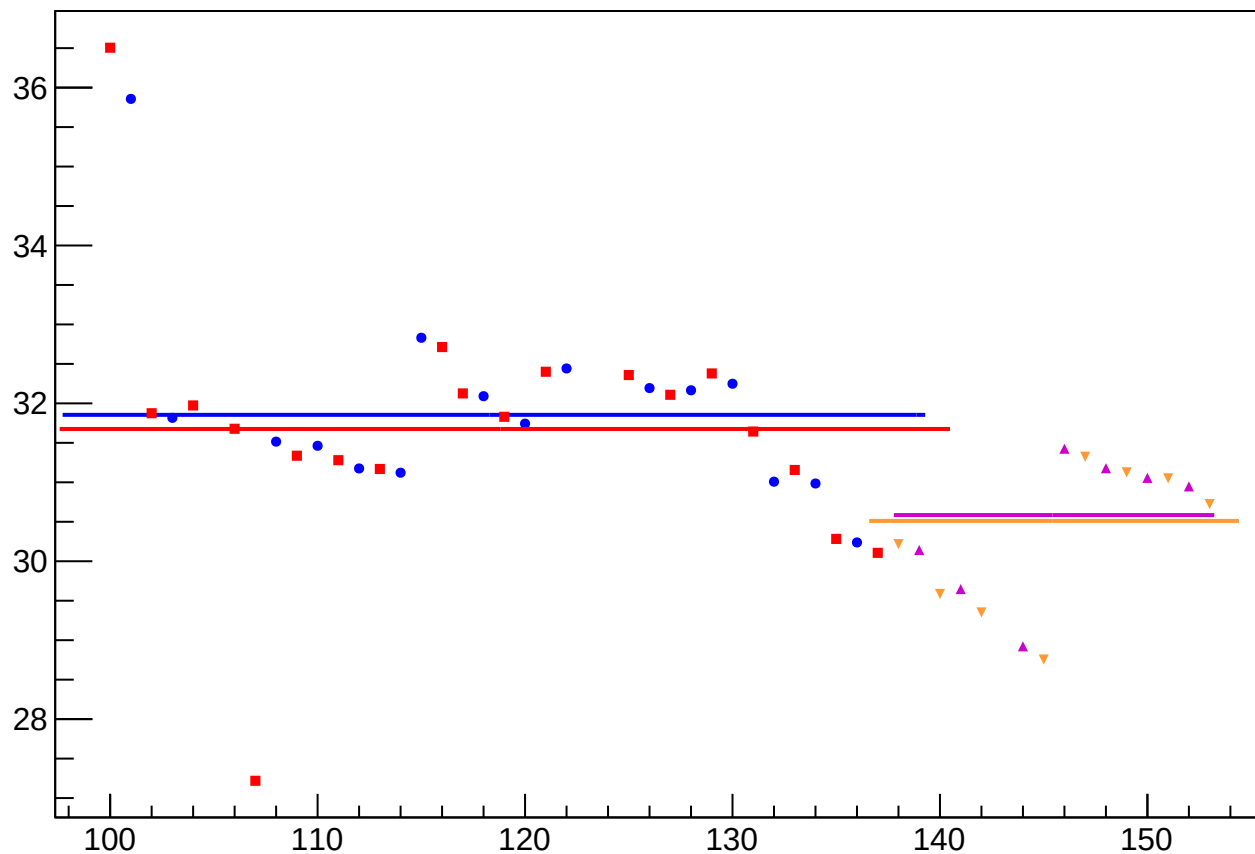
Left In: 32.635+/-0.010 χ^2/NDF :24065.7/6

31.897+/-0.007 χ^2/NDF : 3057288.5/25

31.850+/-0.005 χ^2/NDF : 6555361.3/52

31.798+/-0.007 χ^2/NDF : 3497963.8/26

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.511+/-0.000 χ^2/NDF : 585772720.4/7

Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

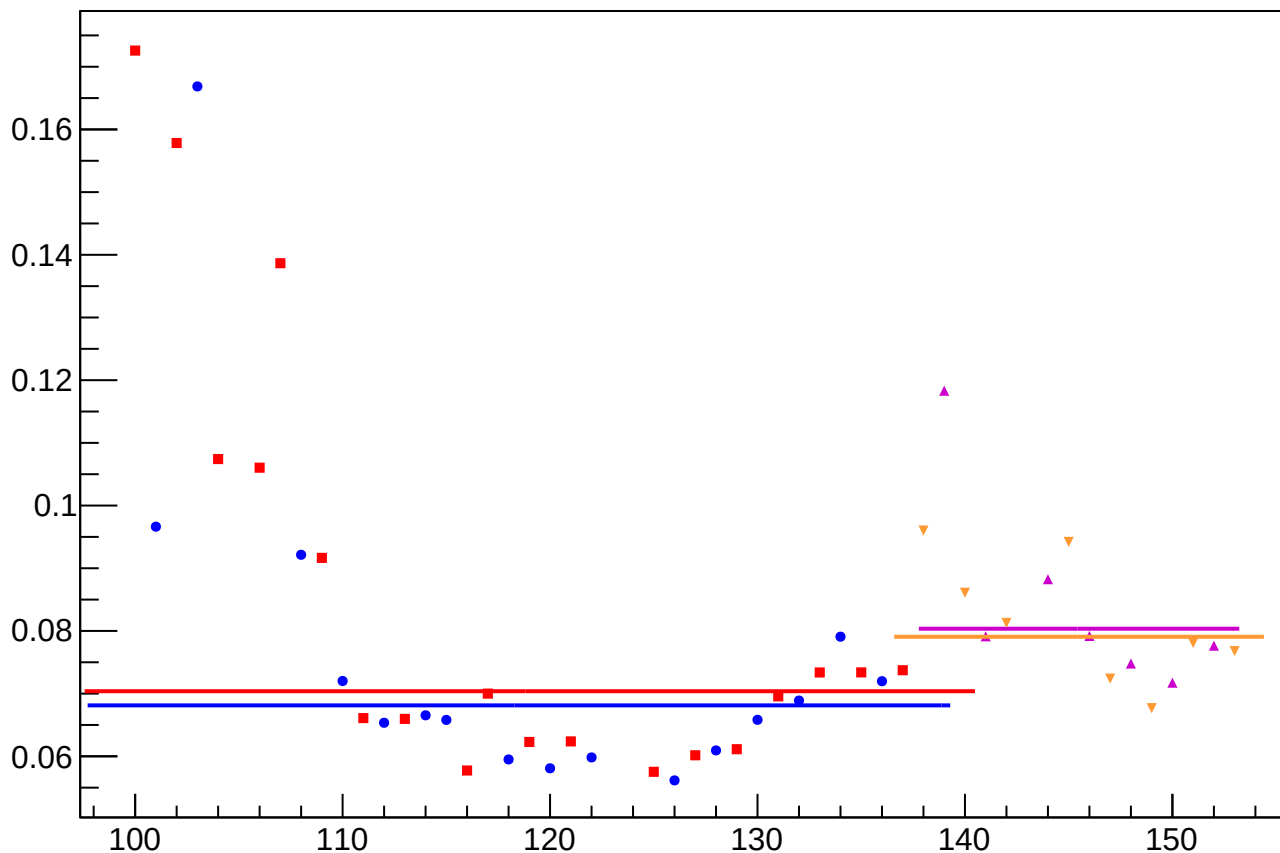
Left In: 30.585+/-0.000 χ^2/NDF : 560688993.7/6

31.314+/-0.000 χ^2/NDF : 3059853427.1/23

31.280+/-0.000 χ^2/NDF : 5111412190.8/4

31.244+/-0.000 χ^2/NDF : 2046591391.1/25

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.079 $\pm$ 0.000 χ^2 /NDF:142302.4/7

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841322.7/18

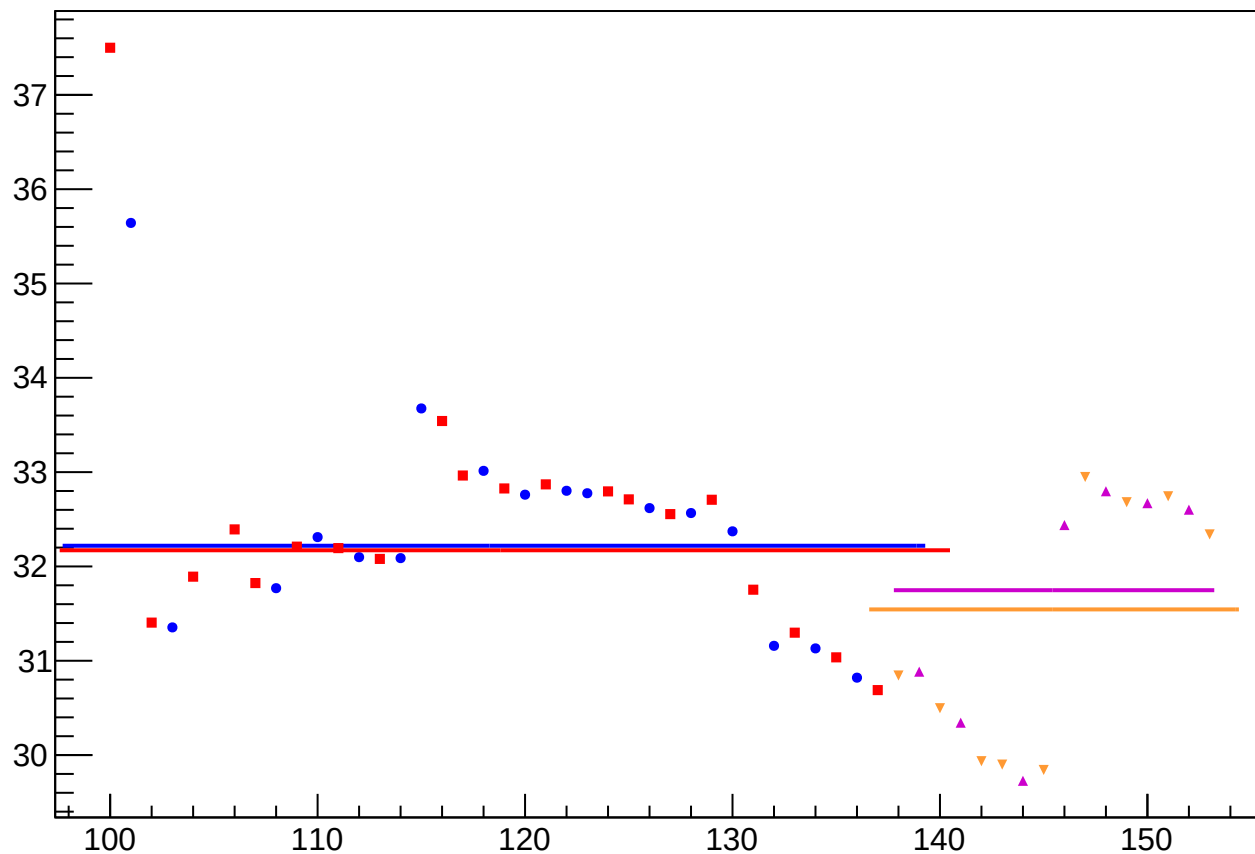
Left In: 0.080 $\pm$ 0.000 χ^2 /NDF:189128.5/6

0.073 $\pm$ 0.000 χ^2 /NDF: 891942.4/23

0.073 $\pm$ 0.000 χ^2 /NDF: 2023573.9/49

0.074 $\pm$ 0.000 χ^2 /NDF: 1125041.2/25

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.544+/-0.000 χ^2/NDF : 1618710733.8/8

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

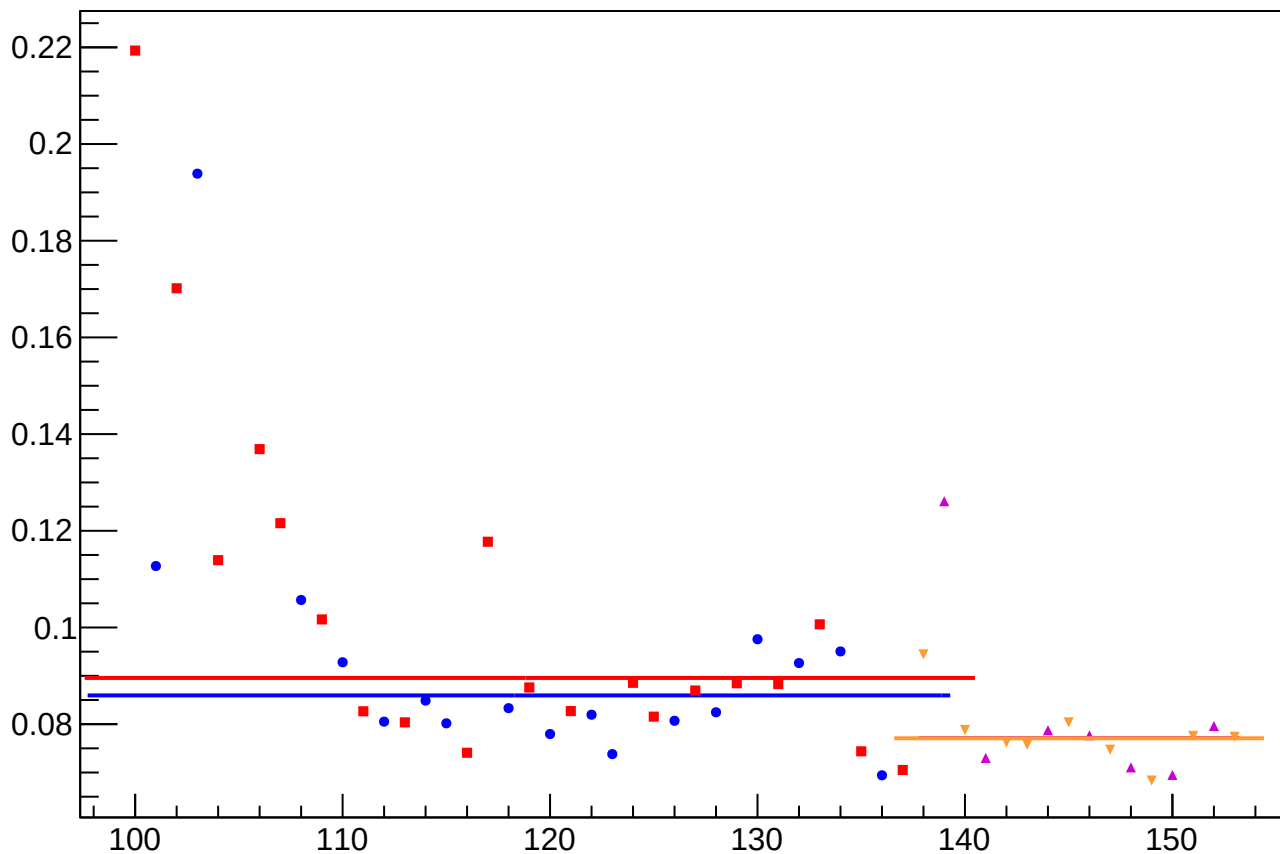
Left In: 31.748+/-0.000 χ^2/NDF : 1284413921.5/6

31.843+/-0.000 χ^2/NDF : 2832113830.1/25

31.893+/-0.000 χ^2/NDF : 4643155659.6/5

31.947+/-0.000 χ^2/NDF : 1801793364.5/26

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086 +/- 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077 +/- 0.000 χ^2/NDF : 74419.1/8

Right Out: 0.090 +/- 0.000 χ^2/NDF : 544516.7/19

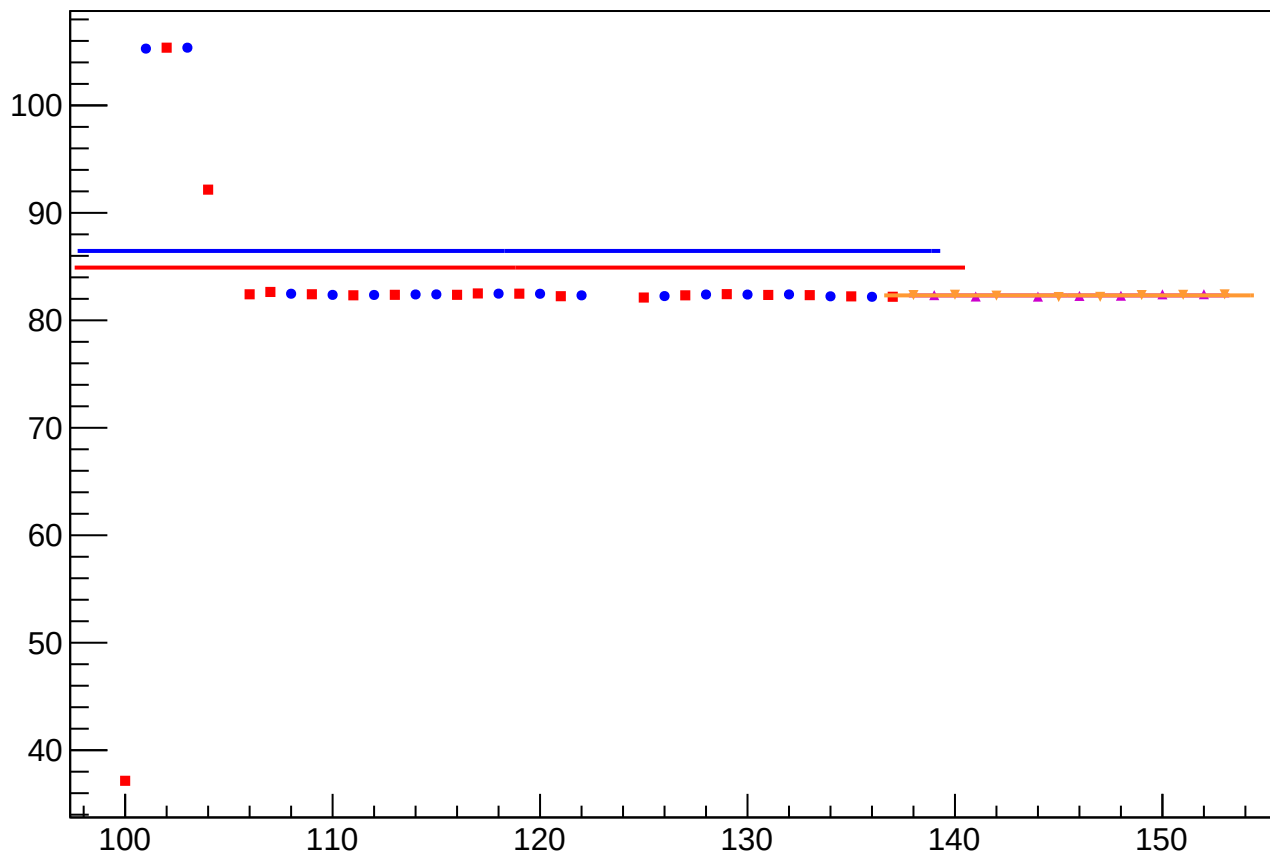
Left In: 0.077 +/- 0.000 χ^2/NDF : 249922.5/6

0.081 +/- 0.000 χ^2/NDF : 696433.9/25

0.082 +/- 0.000 χ^2/NDF : 1623723.2/52

0.083 +/- 0.000 χ^2/NDF : 920650.4/26

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457 $\pm$ 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.321 $\pm$ 0.000 χ^2/NDF : 24157750.2/7

Right Out: 84.908 $\pm$ 0.000 χ^2/NDF : 172306803858.3/18

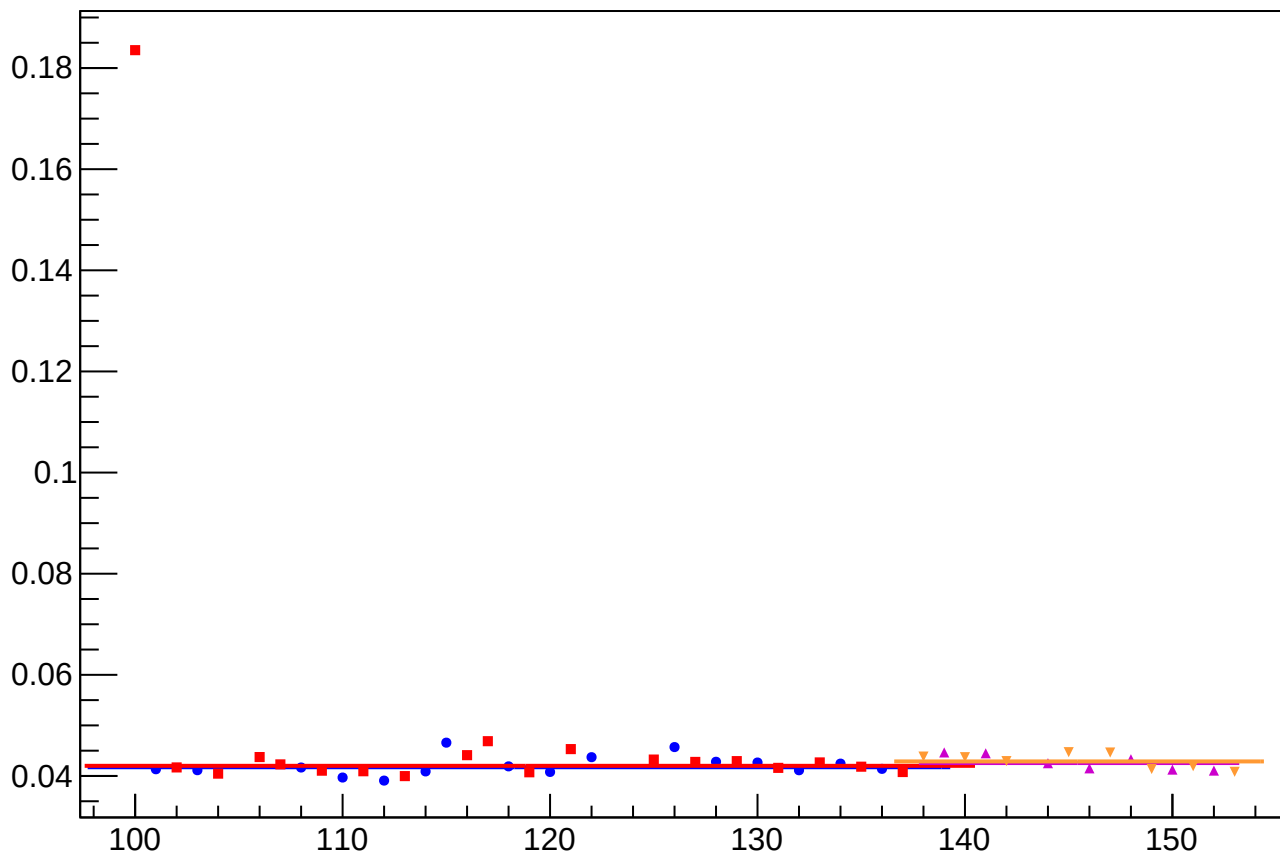
Left In: 82.315 $\pm$ 0.000 χ^2/NDF : 23118269.3/6

84.565 $\pm$ 0.000 χ^2/NDF : 320932932890.8/23

84.157 $\pm$ 0.000 χ^2/NDF : 507267066717.4

83.756 $\pm$ 0.000 χ^2/NDF : 184046239027.9/25

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.043+/-0.000 χ^2/NDF : 13137.8/7

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

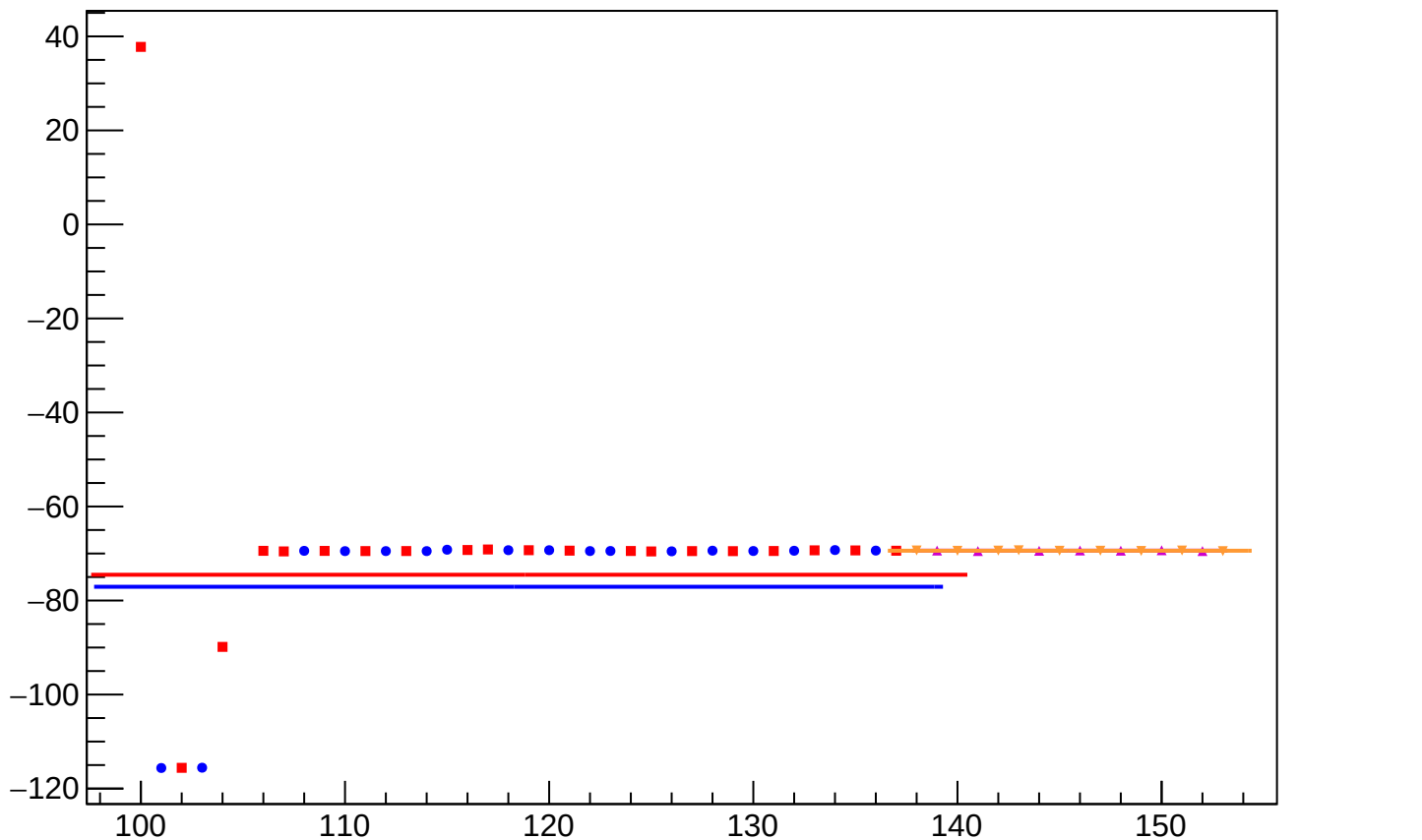
Left In: 0.043+/-0.000 χ^2/NDF : 11668.7/6

0.042+/-0.000 χ^2/NDF : 36561.3/23

0.042+/-0.000 χ^2/NDF : 147068.5/49

0.042+/-0.000 χ^2/NDF : 110507.1/25

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.405+/-0.000 χ^2/NDF : 5746173.8/8

Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

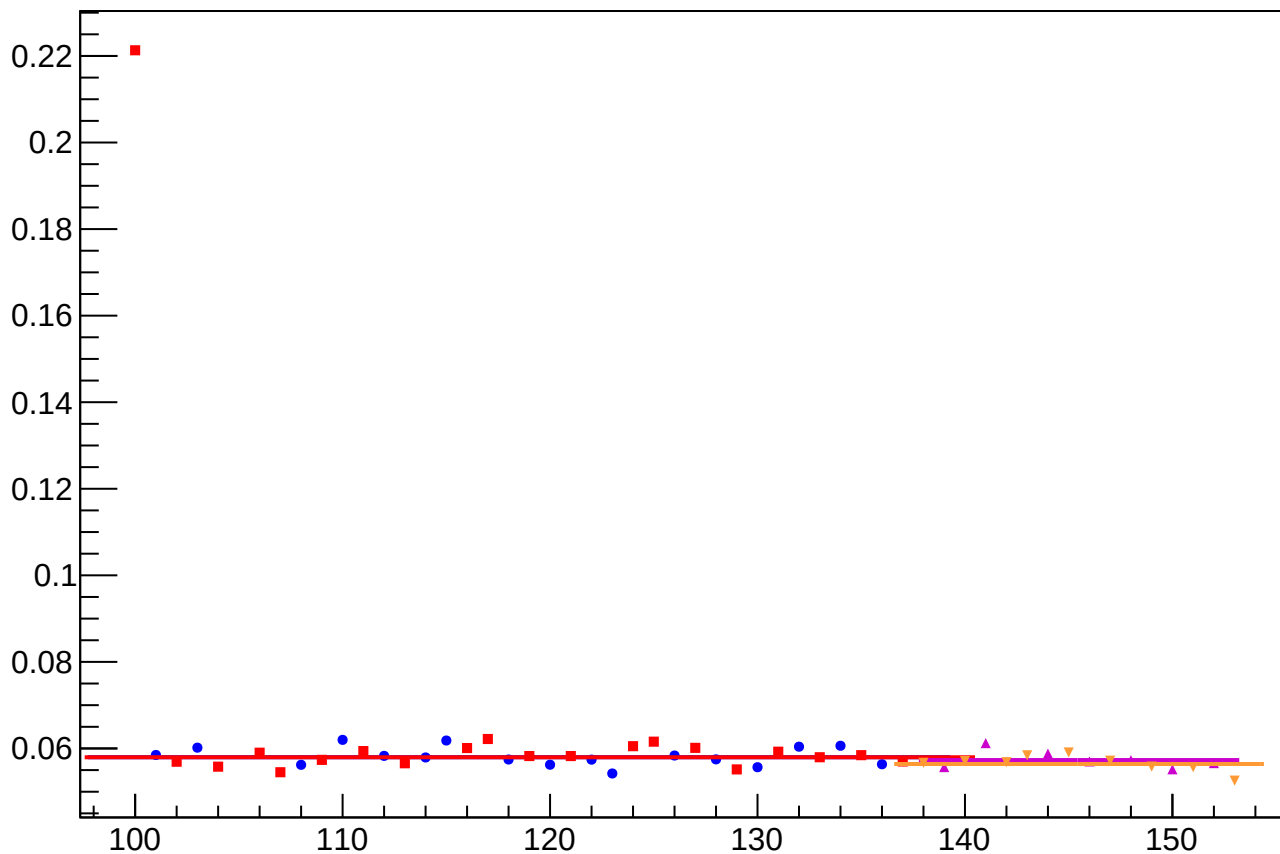
Left In: -69.395+/-0.000 χ^2/NDF : 5513388.5/6

-73.161+/-0.000 χ^2/NDF : 622867437788.7/25

-72.695+/-0.000 χ^2/NDF : 102111865339

-72.208+/-0.000 χ^2/NDF : 396515302067.5/26

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056+/-0.000 χ^2/NDF :13771.4/8

Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

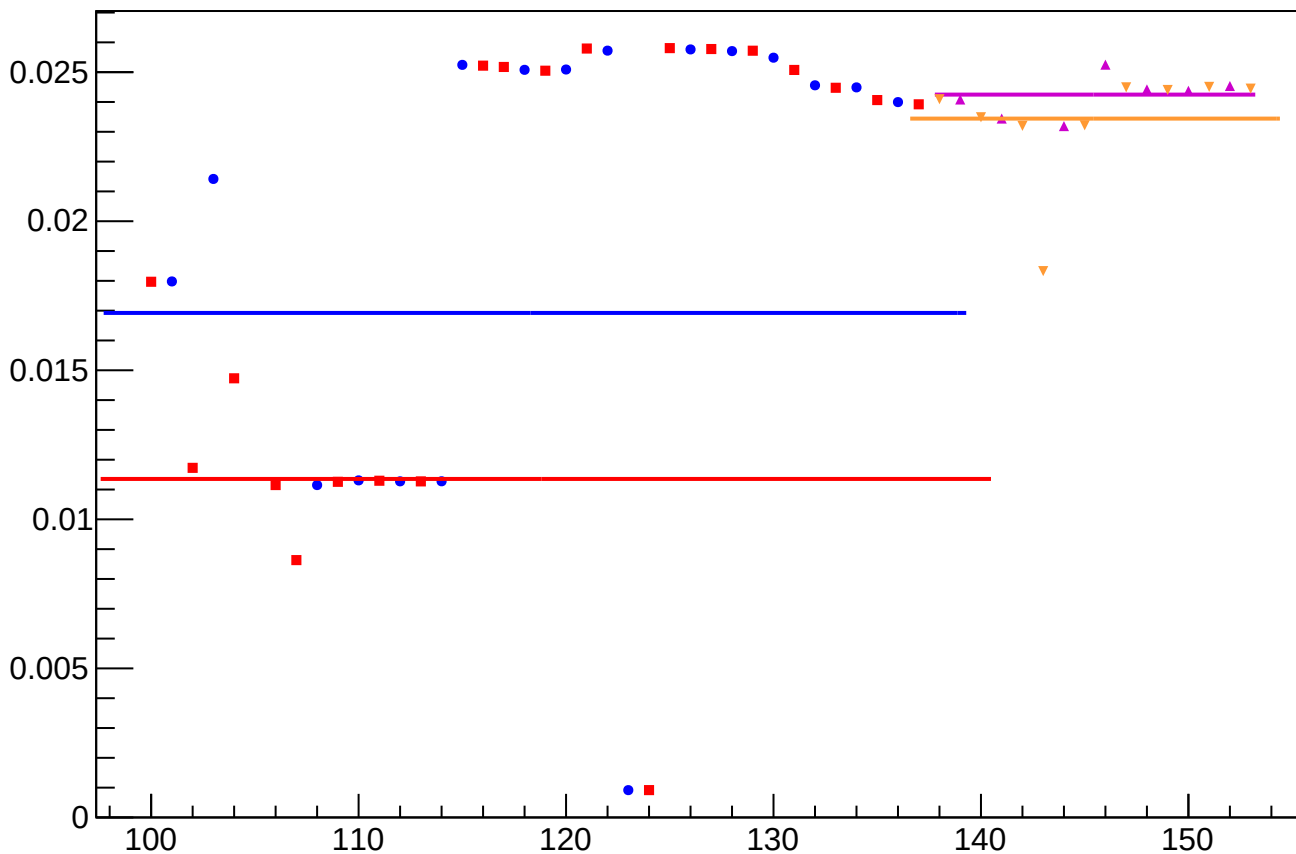
Left In: 0.057+/-0.000 χ^2/NDF :11720.4/6

0.057+/-0.000 χ^2/NDF : 30846.1/25

0.057+/-0.000 χ^2/NDF : 131158.0/52

0.058+/-0.000 χ^2/NDF : 99349.8/26

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: 4609651695.6/8

0.020 $\pm$ 0.000 χ^2 /NDF: 161214440214.4/25

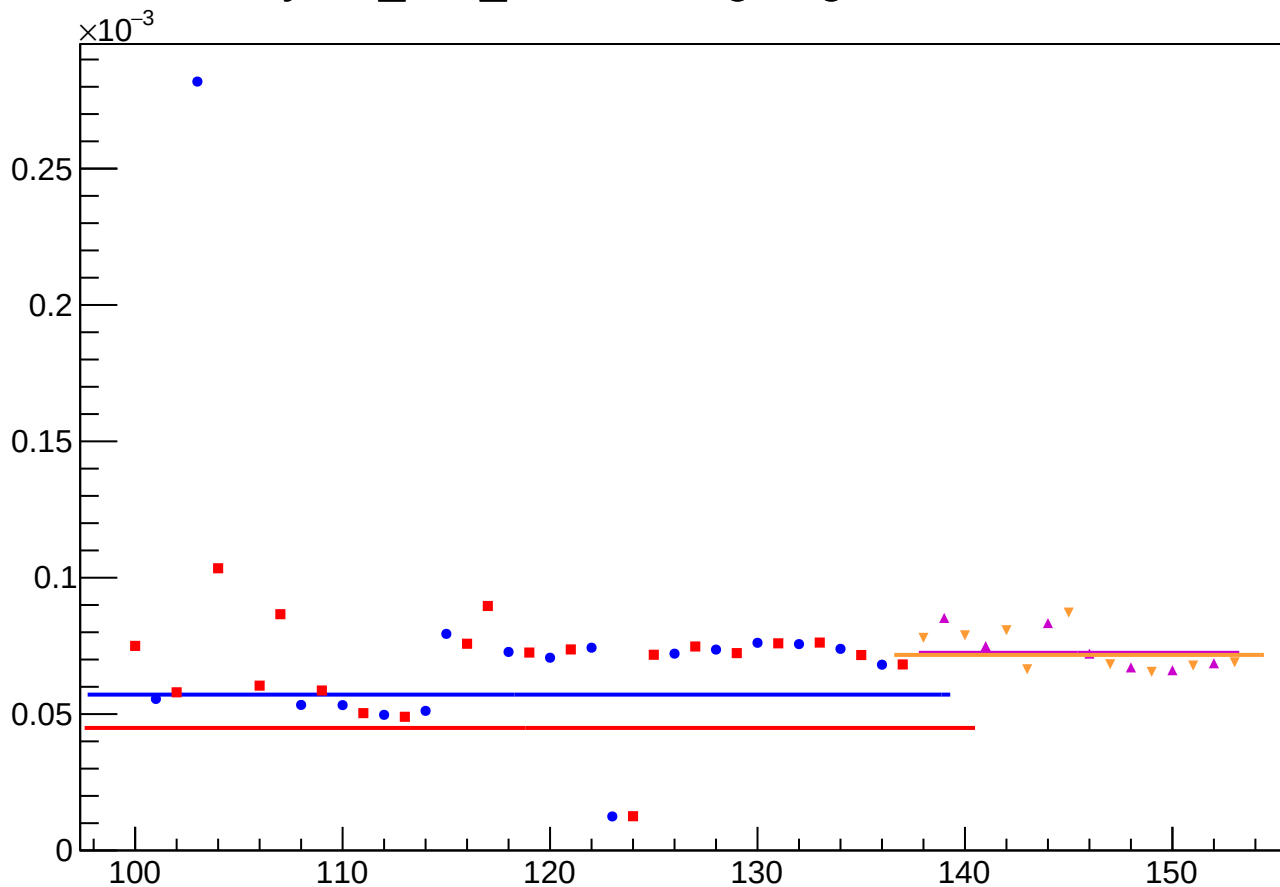
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.017 $\pm$ 0.000 χ^2 /NDF: 549838446010.2/10

0.015 $\pm$ 0.000 χ^2 /NDF: 358287103983.4/26

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 405214253.9/6

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 112027.6/8

Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

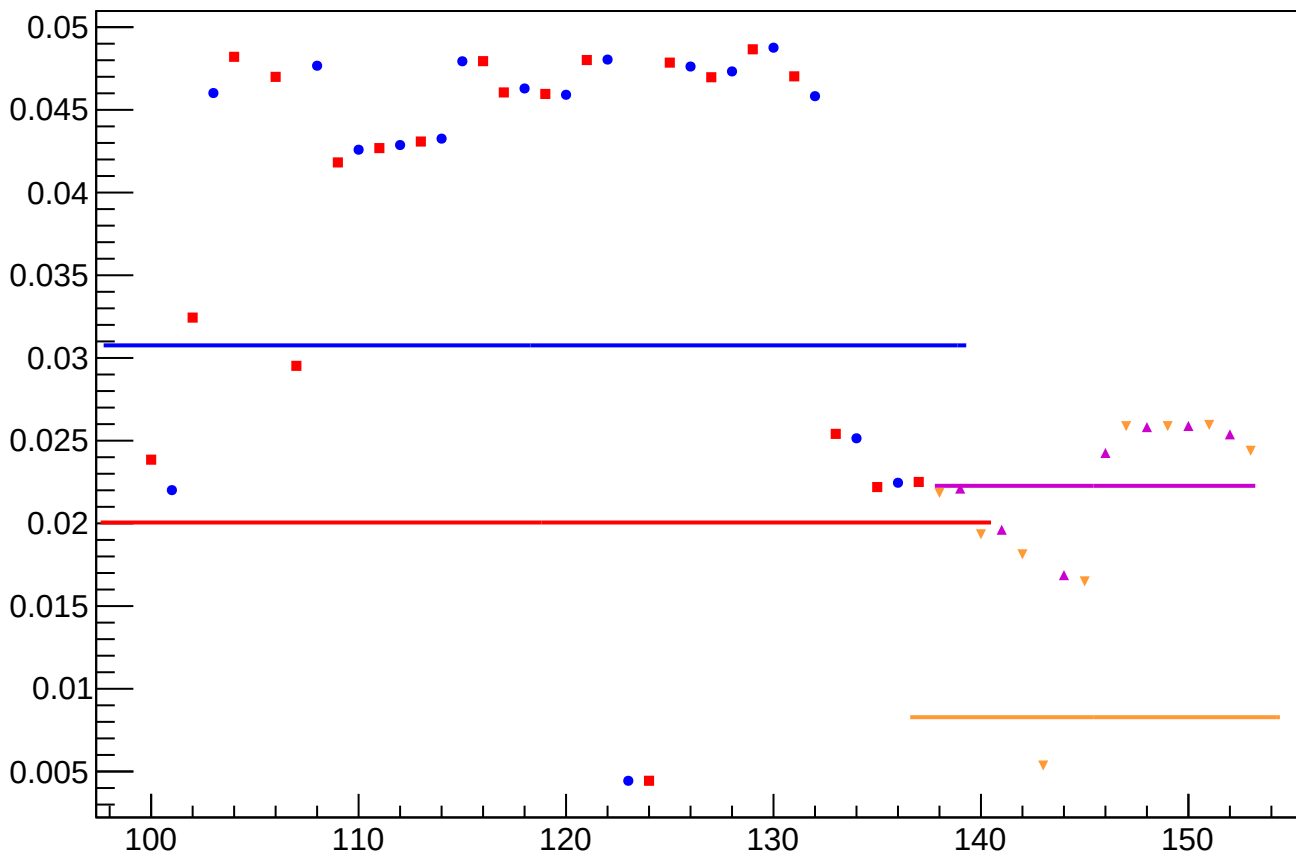
Left In: 0.000+/-0.000 χ^2/NDF : 93304.4/6

0.000+/-0.000 χ^2/NDF : 2413354.6/25

0.000+/-0.000 χ^2/NDF : 7547771.2/52

0.000+/-0.000 χ^2/NDF : 4821809.0/26

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 18120805436.0/8

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

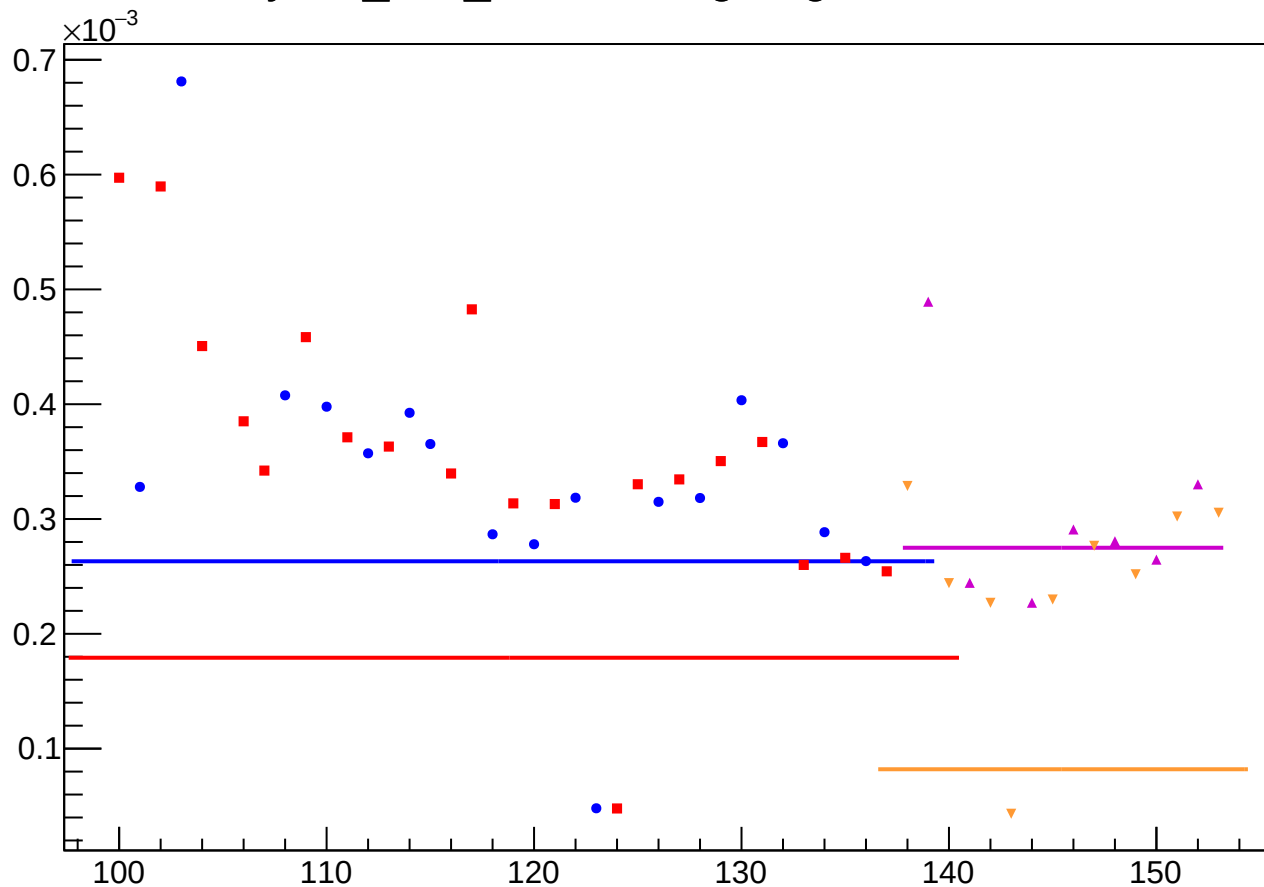
Left In: 0.022+/-0.000 χ^2/NDF : 896873042.0/6

0.012+/-0.000 χ^2/NDF : 69932924713.2/25

0.014+/-0.000 χ^2/NDF : 122897808962.1/25

0.021+/-0.000 χ^2/NDF : 41240130251.0/26

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 : 6166030.8/8

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

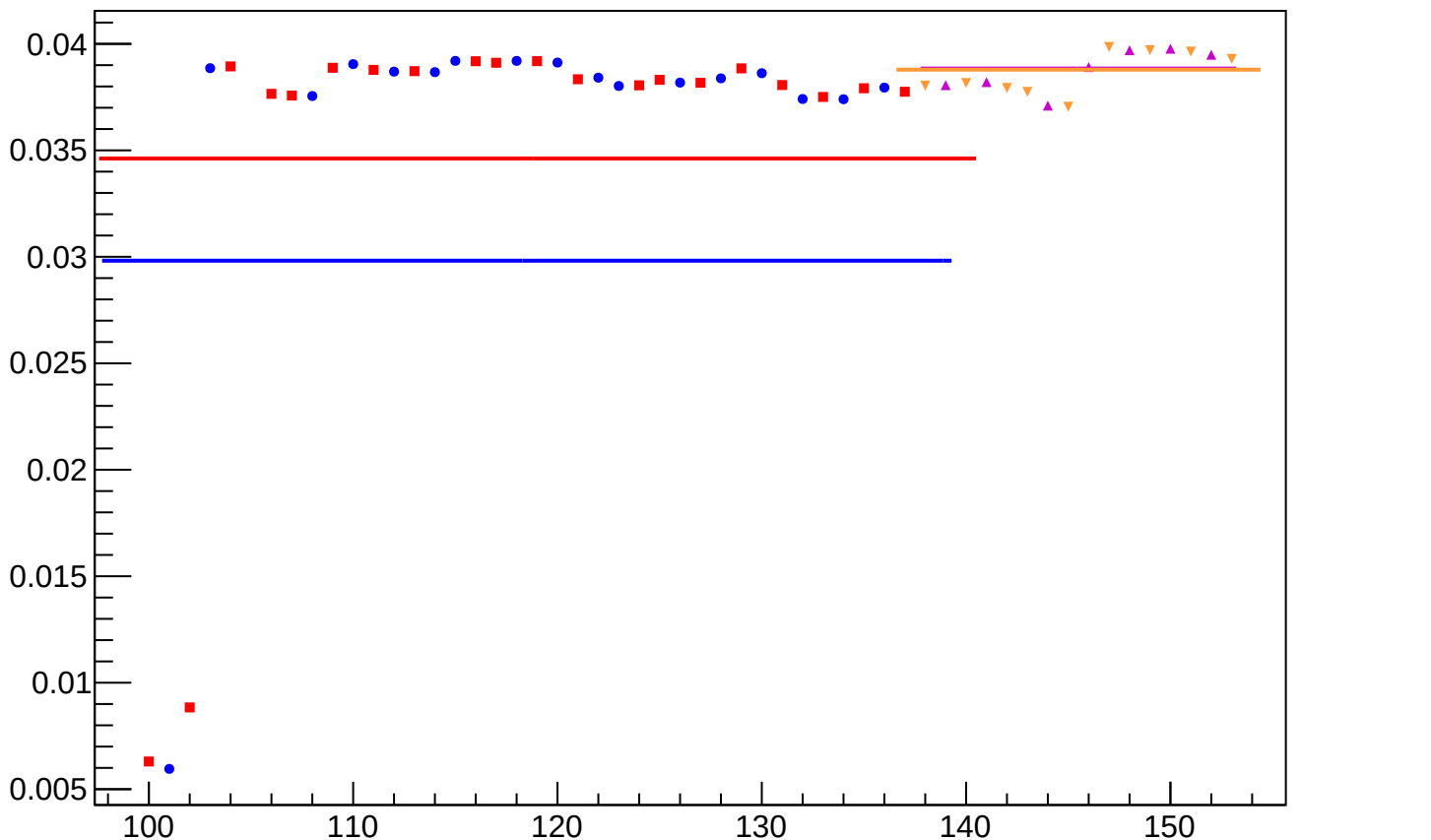
Left In: 0.000+/-0.000 χ^2/NDF : 412011.6/6

0.000+/-0.000 χ^2/NDF : 12546561.2/25

0.000+/-0.000 χ^2/NDF : 22123974.6/52

0.000+/-0.000 χ^2/NDF : 6568569.2/26

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2/NDF : 315594599.4/8

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 43717644957.2/19

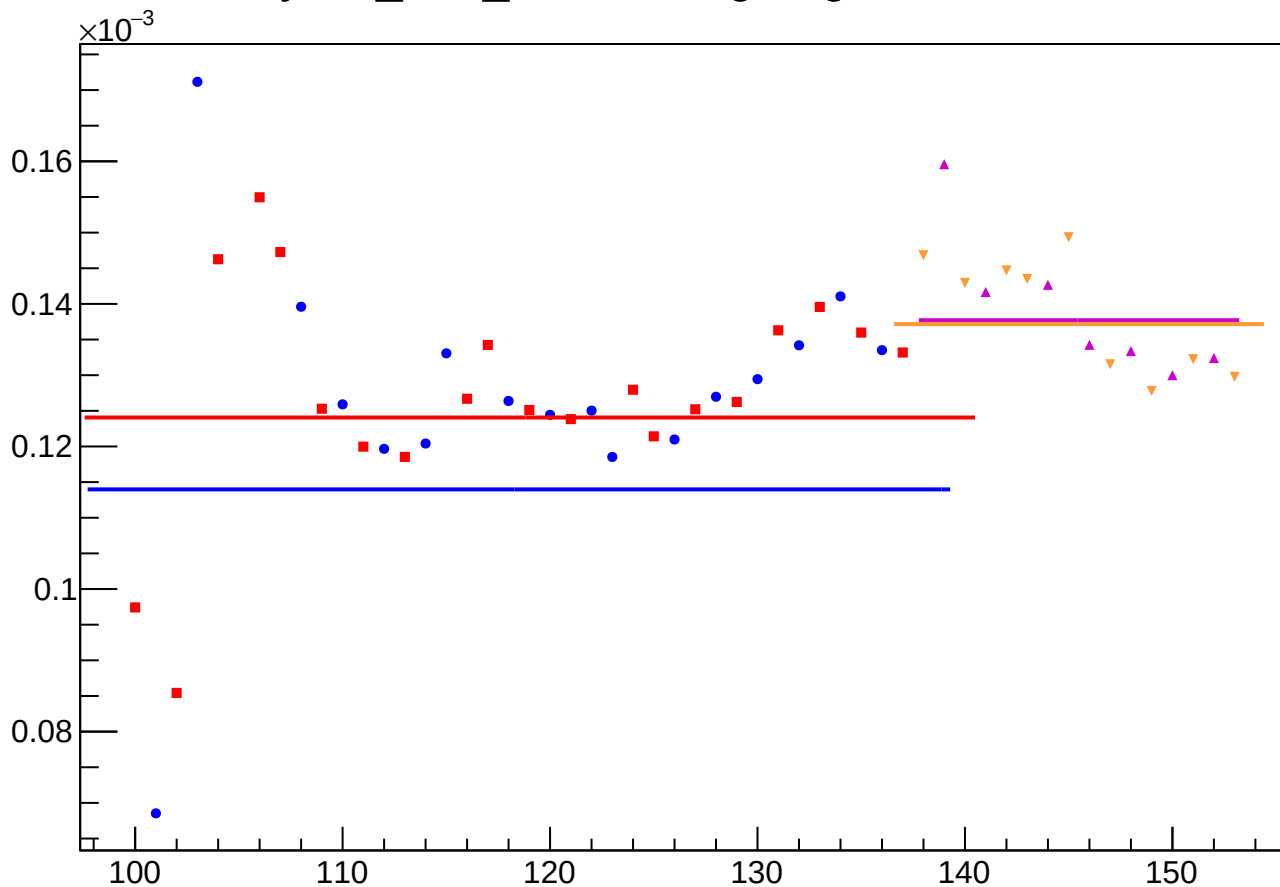
Left In: 0.039 $\pm$ 0.000 χ^2/NDF : 251793733.5/6

0.034 $\pm$ 0.000 χ^2/NDF : 113287002026.6/25

0.035 $\pm$ 0.000 χ^2/NDF : 163300488151.2/26

0.036 $\pm$ 0.000 χ^2/NDF : 47086413254.8/26

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 41605.5/8

Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

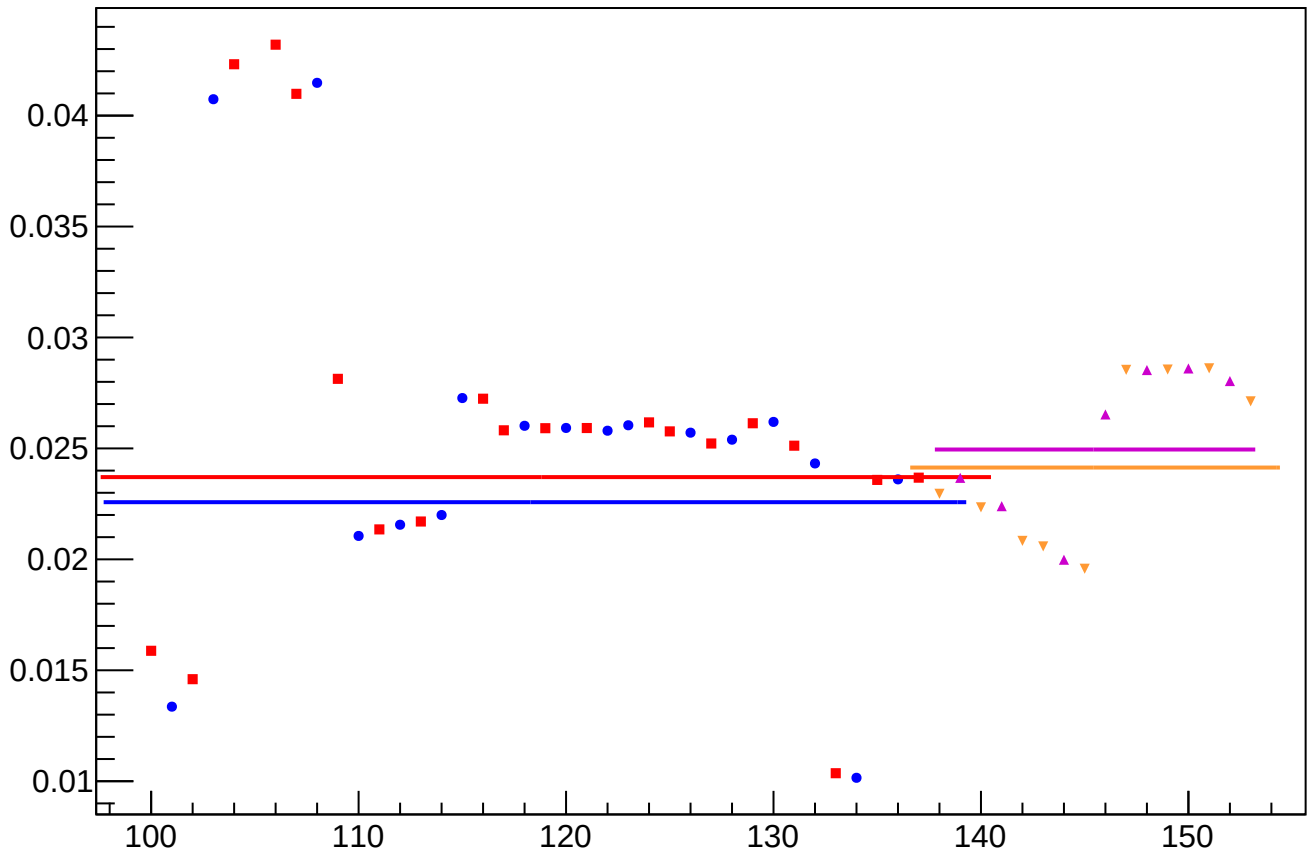
Left In: 0.000+/-0.000 χ^2/NDF : 41395.2/6

0.000+/-0.000 χ^2/NDF : 1047445.4/25

0.000+/-0.000 χ^2/NDF : 1426455.9/52

0.000+/-0.000 χ^2/NDF : 352183.5/26

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.024+/-0.000 χ^2/NDF : 1226814713.0/8

Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

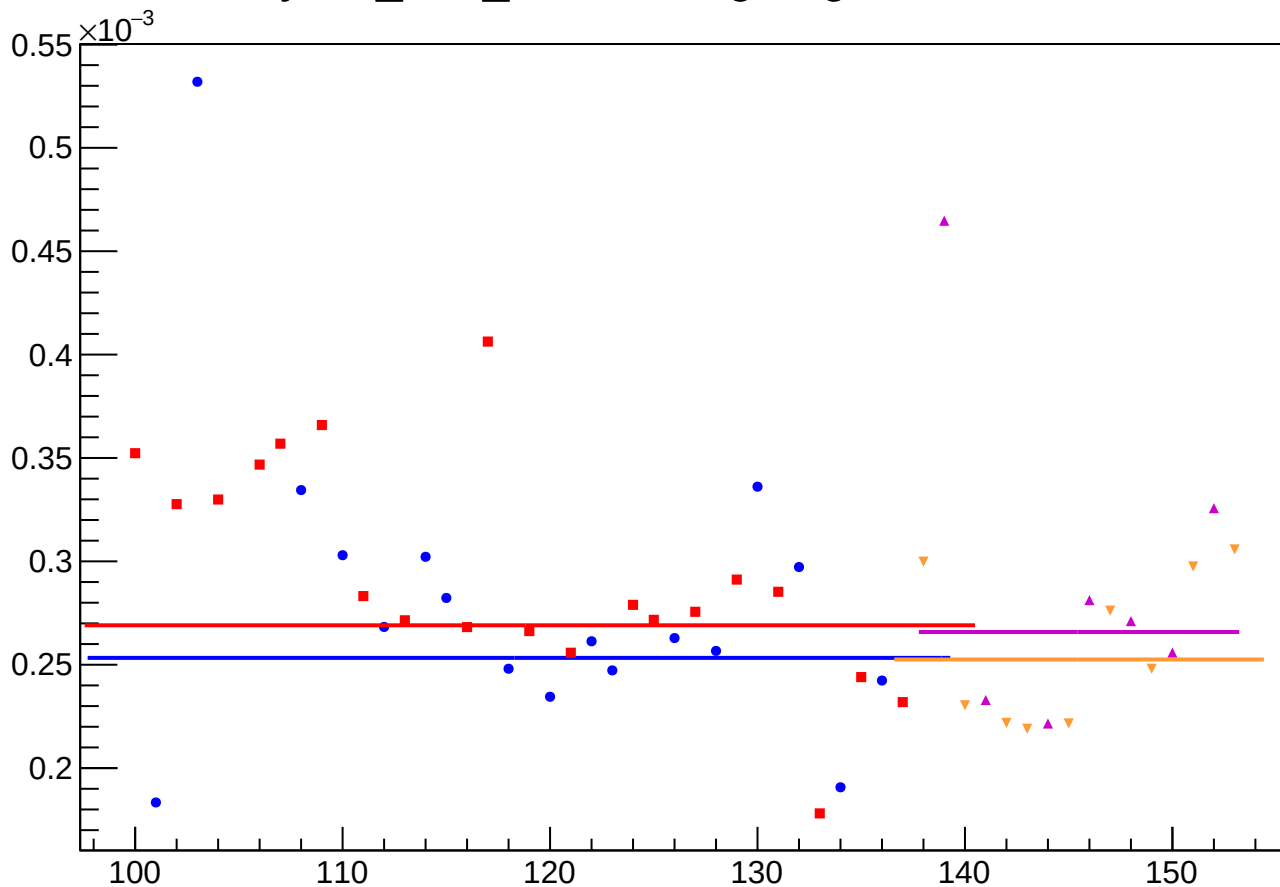
Left In: 0.025+/-0.000 χ^2/NDF : 876523287.1/6

0.023+/-0.000 χ^2/NDF : 5584436811.9/25

0.024+/-0.000 χ^2/NDF : 12245011202.1/5

0.024+/-0.000 χ^2/NDF : 6589517713.3/26

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 : 200321.1/8

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

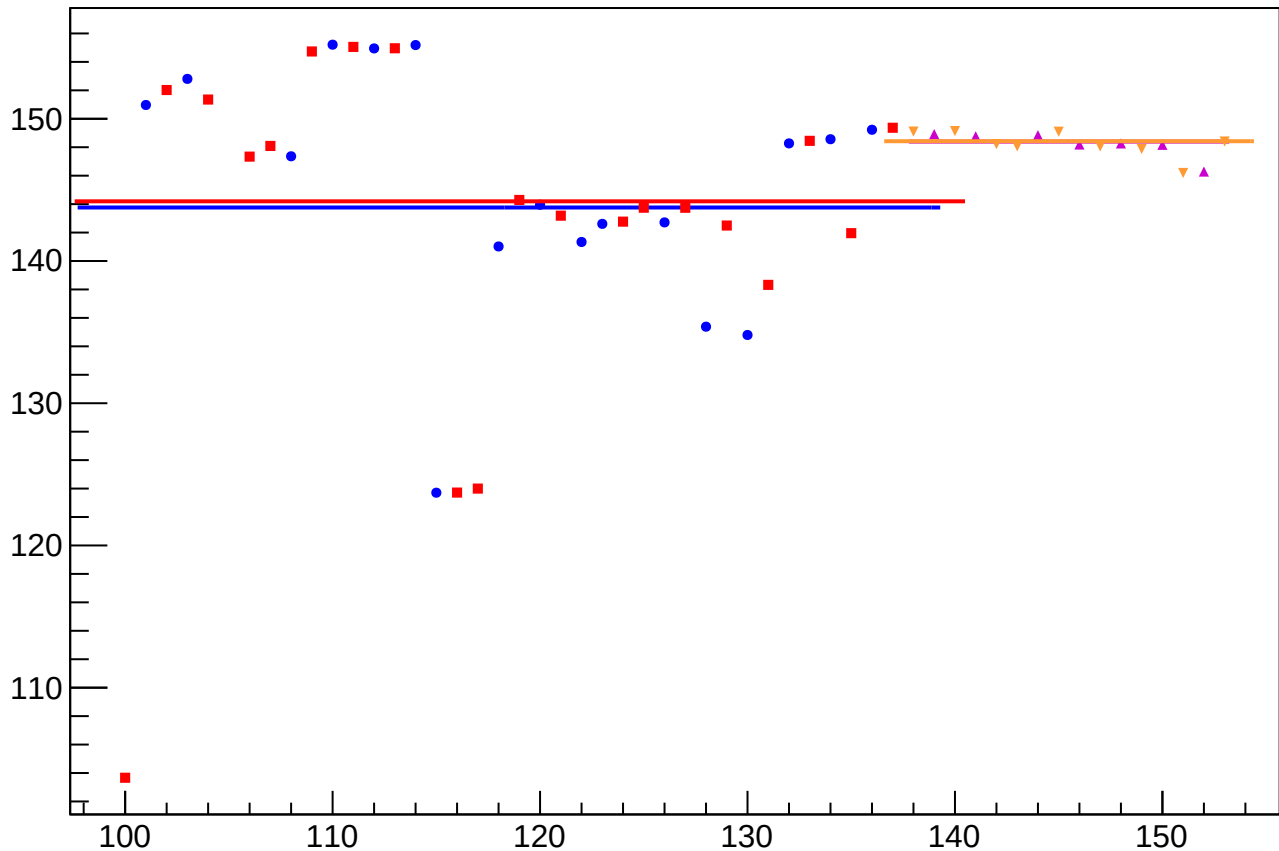
Left In: 0.000+/-0.000 χ^2/NDF : 409314.9/6

0.000+/-0.000 χ^2/NDF : 829536.1/25

0.000+/-0.000 χ^2/NDF : 1713535.9/52

0.000+/-0.000 χ^2/NDF : 847850.4/26

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.423 $\pm$ 0.000 χ^2/NDF : 30682610.8/8

Right Out: 144.197 $\pm$ 0.000 χ^2/NDF : 4523139755.0/19

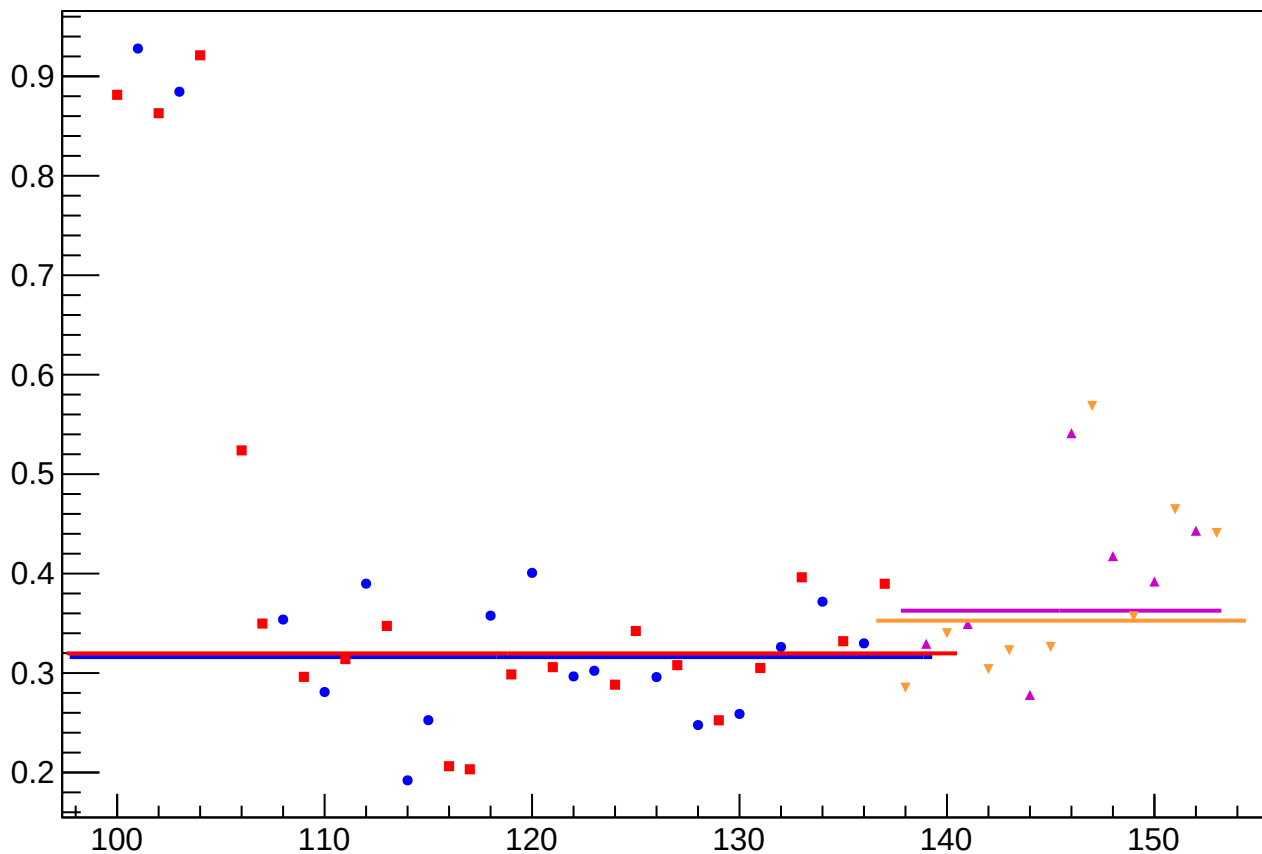
Left In: 148.396 $\pm$ 0.000 χ^2/NDF : 23069731.4/6

145.935 $\pm$ 0.000 χ^2/NDF : 4128321306.4/25

145.932 $\pm$ 0.000 χ^2/NDF : 9092716684.0/25

145.929 $\pm$ 0.000 χ^2/NDF : 4964393494.1/26

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.353 $\pm$ 0.000 χ^2/NDF : 482822.2/8

Right Out: 0.320 $\pm$ 0.000 χ^2/NDF : 1241752.3/19

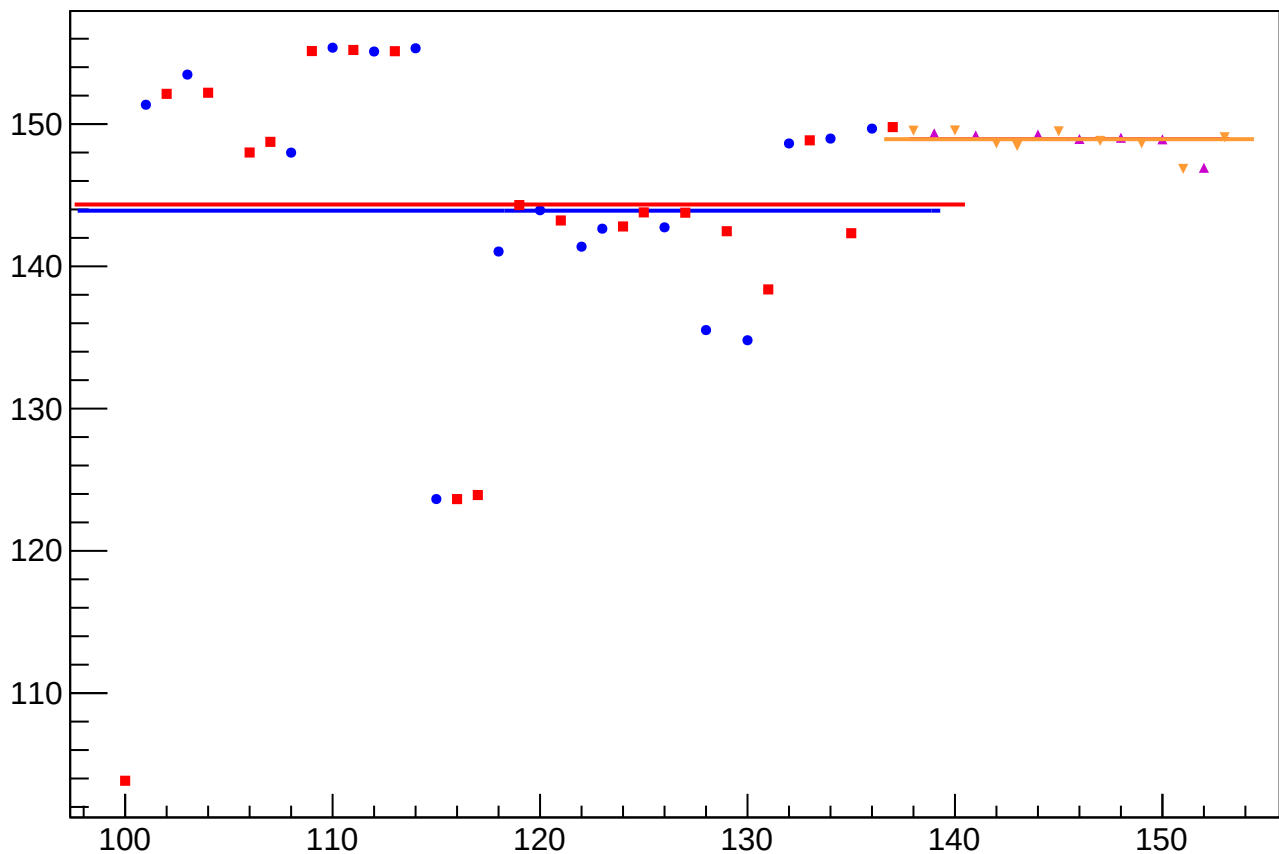
Left In: 0.363 $\pm$ 0.000 χ^2/NDF : 430839.5/6

0.333 $\pm$ 0.000 χ^2/NDF : 1818273.9/25

0.335 $\pm$ 0.000 χ^2/NDF : 3580244.0/52

0.337 $\pm$ 0.000 χ^2/NDF : 1760041.1/26

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.938 $\pm$ 0.000 χ^2 /NDF:24496900.5/8

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

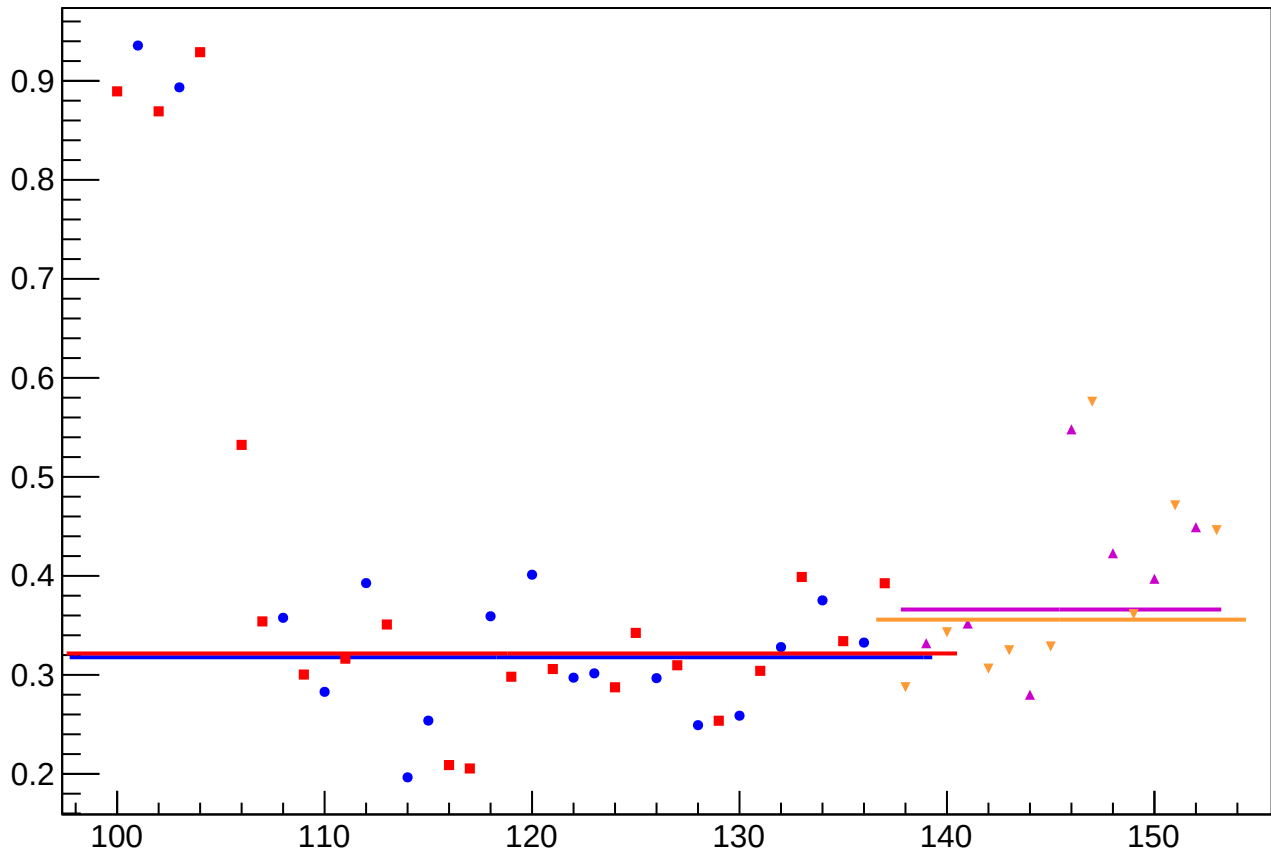
Left In: 148.950 $\pm$ 0.000 χ^2 /NDF:18358152.5/6

146.245 $\pm$ 0.000 χ^2 /NDF: 4257120505.8/25

146.241 $\pm$ 0.000 χ^2 /NDF: 9320419589.5/25

146.237 $\pm$ 0.000 χ^2 /NDF: 5063295328.8/26

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.356 $\pm$ 0.000 χ^2 /NDF: 492211.3/8

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1244304.0/19

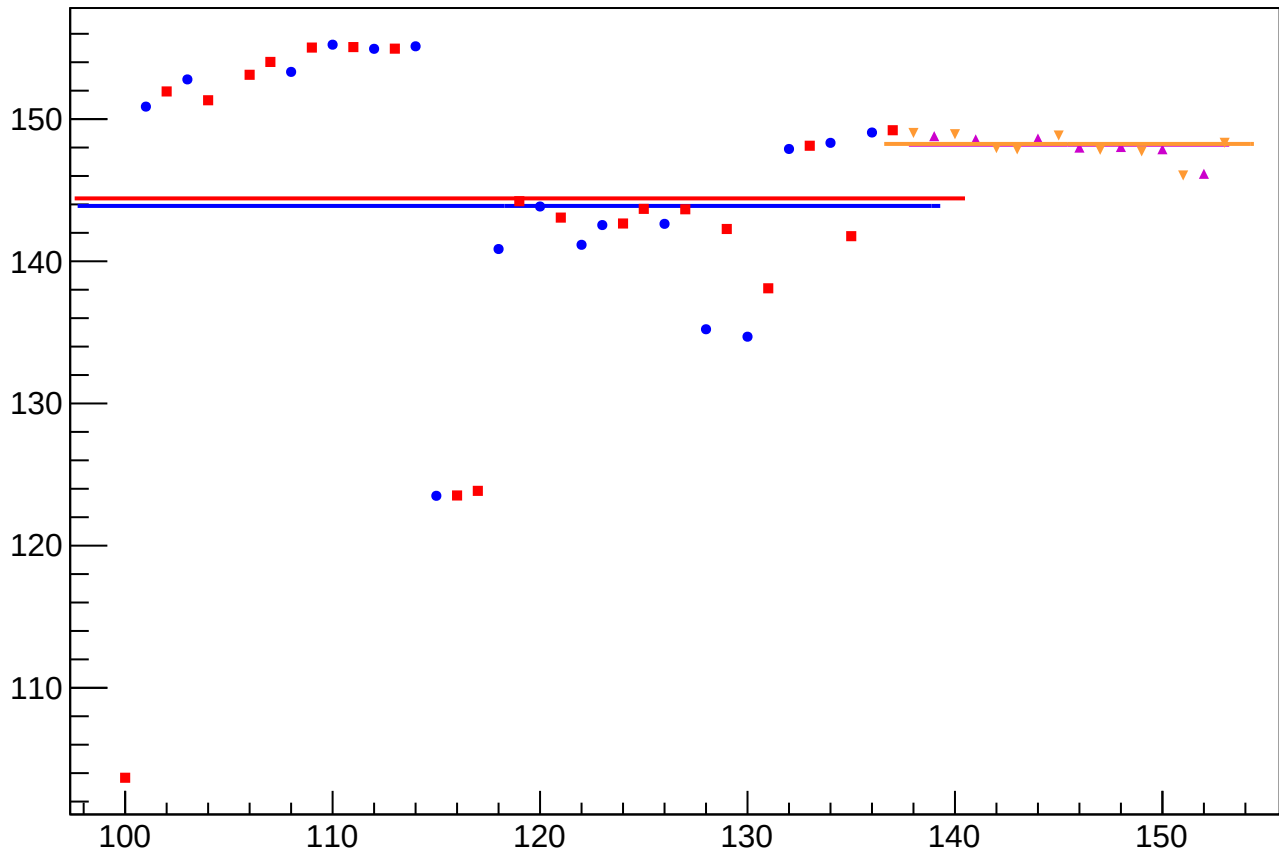
Left In: 0.366 $\pm$ 0.000 χ^2 /NDF: 441029.2/6

0.335 $\pm$ 0.000 χ^2 /NDF: 1834189.2/25

0.338 $\pm$ 0.000 χ^2 /NDF: 3613394.2/52

0.340 $\pm$ 0.000 χ^2 /NDF: 1777267.0/26

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 +/- 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.254 +/- 0.000 χ^2/NDF : 30778700.1/8

Right Out: 144.423 +/- 0.000 χ^2/NDF : 4819194675.6/19

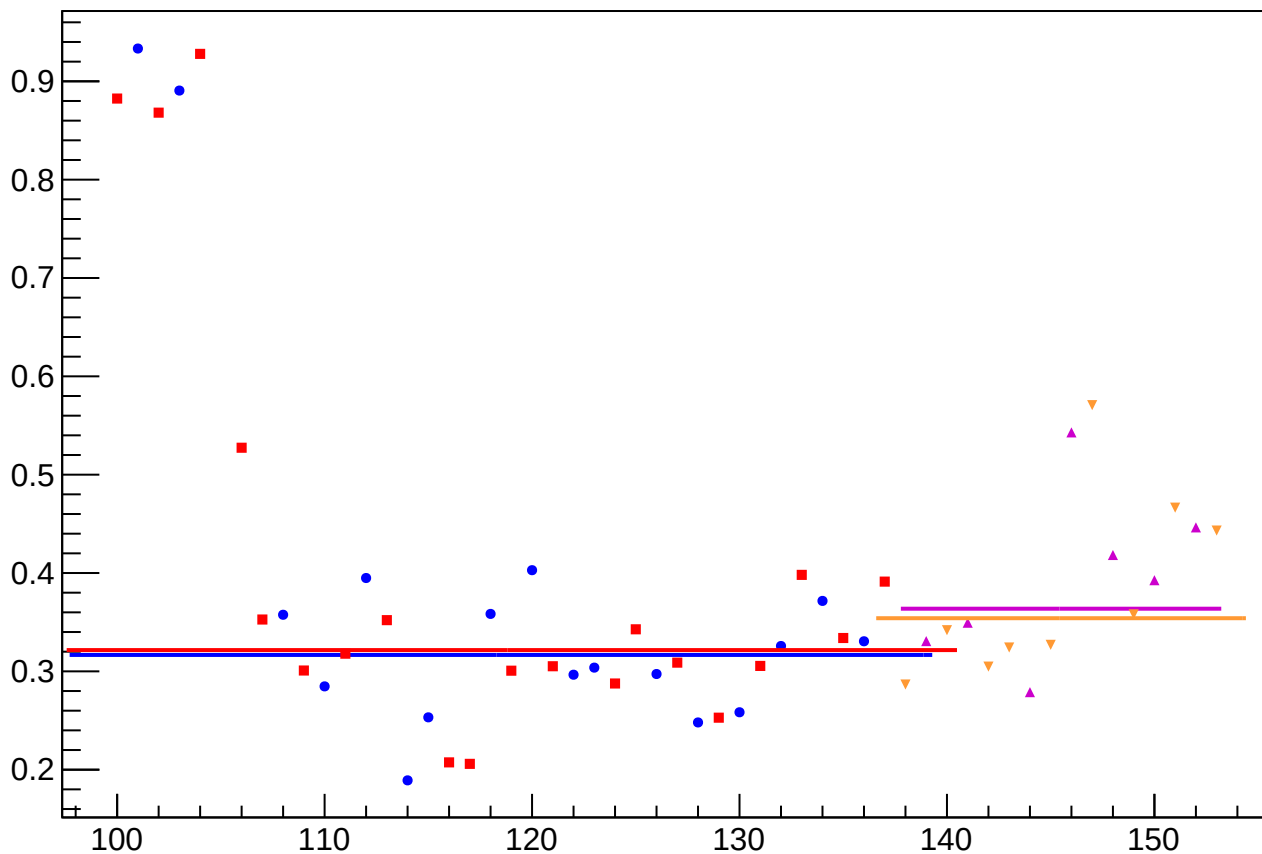
Left In: 148.199 +/- 0.000 χ^2/NDF : 22482055.2/6

145.924 +/- 0.000 χ^2/NDF : 4272833501.5/25

145.954 +/- 0.000 χ^2/NDF : 9450113073.9/25

145.986 +/- 0.000 χ^2/NDF : 5177086665.1/26

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.354+/-0.000 χ^2/NDF : 483226.2/8

Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

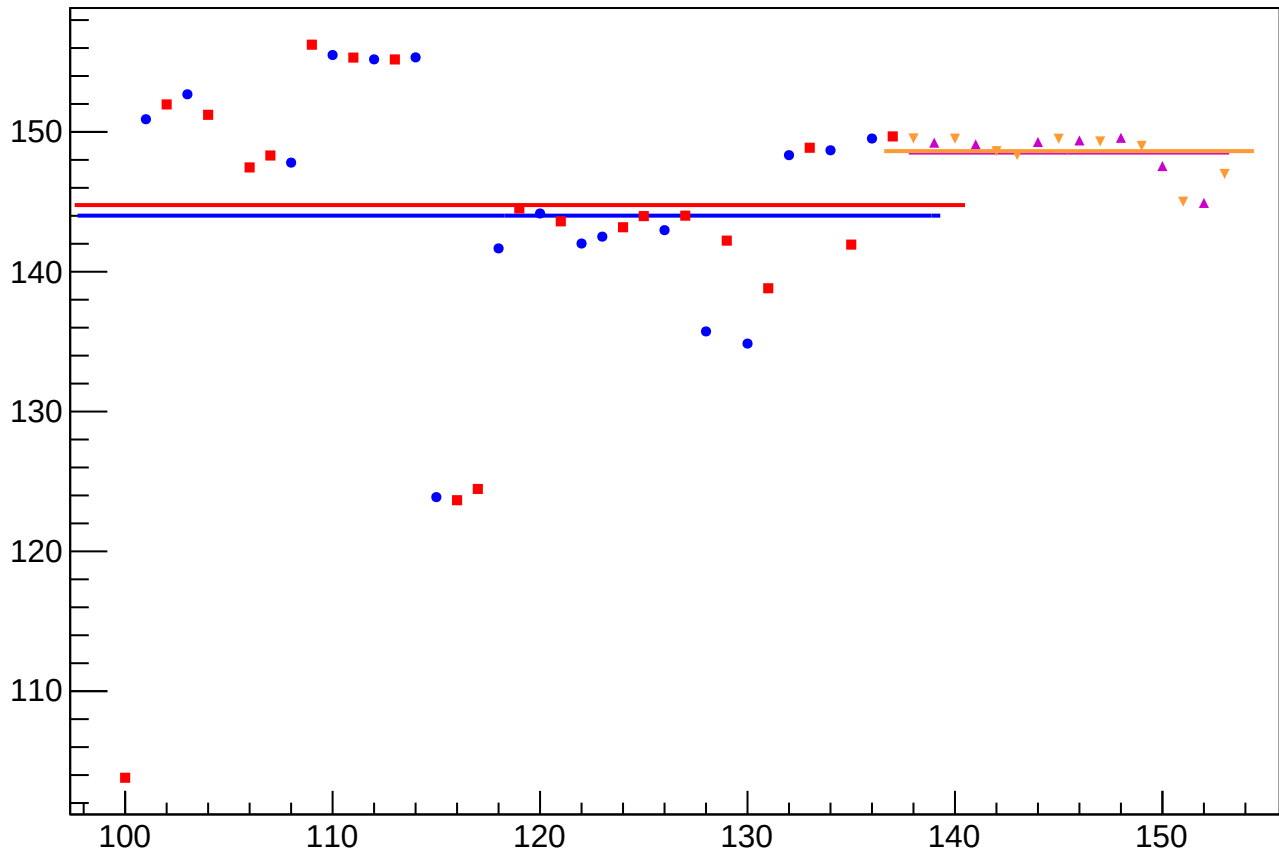
Left In: 0.364+/-0.000 χ^2/NDF : 432764.9/6

0.334+/-0.000 χ^2/NDF : 1835334.9/25

0.336+/-0.000 χ^2/NDF : 3598552.5/52

0.339+/-0.000 χ^2/NDF : 1760756.7/26

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 148.627 $\pm$ 0.000 χ^2 /NDF: 72345171.0/8

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

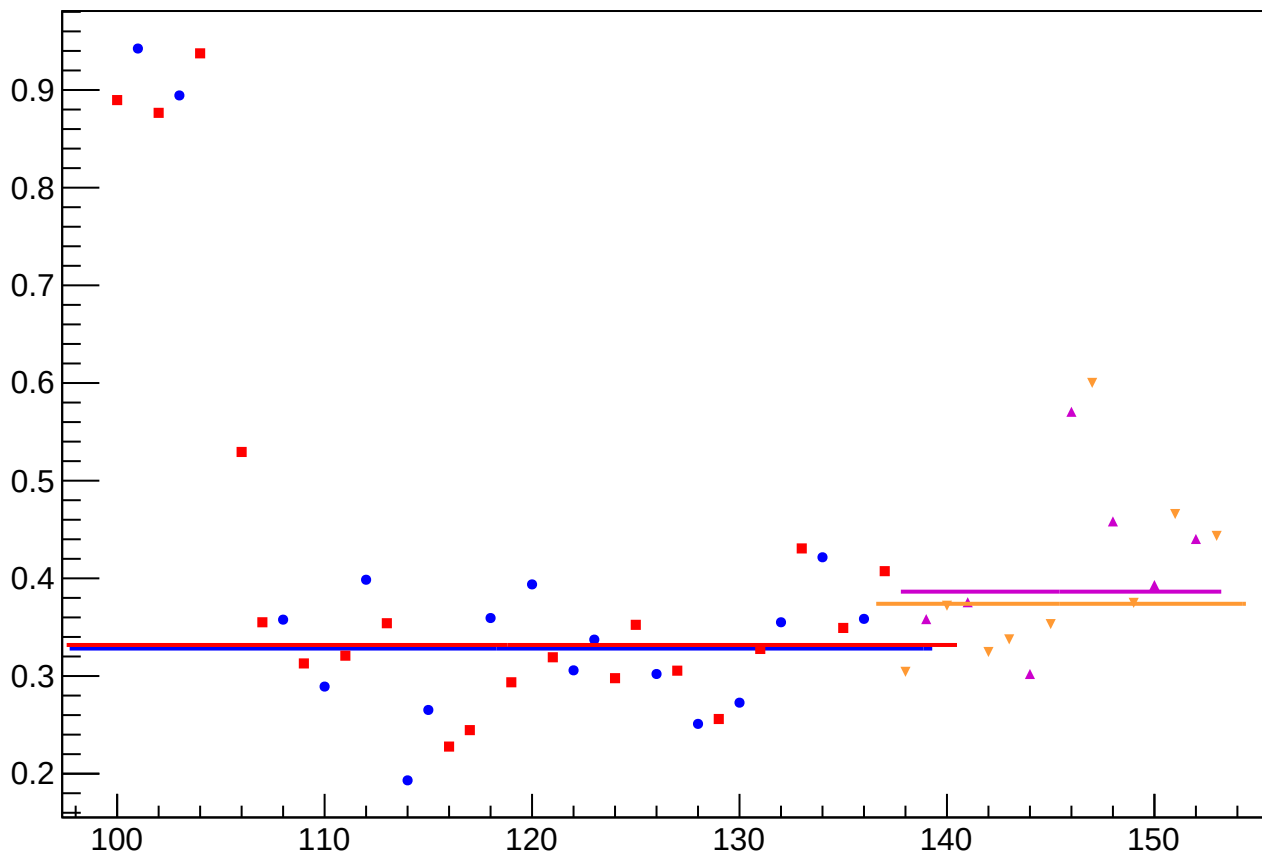
Left In: 148.523 $\pm$ 0.000 χ^2 /NDF: 72940624.1/6

146.118 $\pm$ 0.000 χ^2 /NDF: 3812686206.7/25

146.192 $\pm$ 0.000 χ^2 /NDF: 8285796703.3/25

146.271 $\pm$ 0.000 χ^2 /NDF: 4472030892.1/26

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.374 $\pm$ 0.000 χ^2 /NDF: 414919.7/8

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1194167.8/19

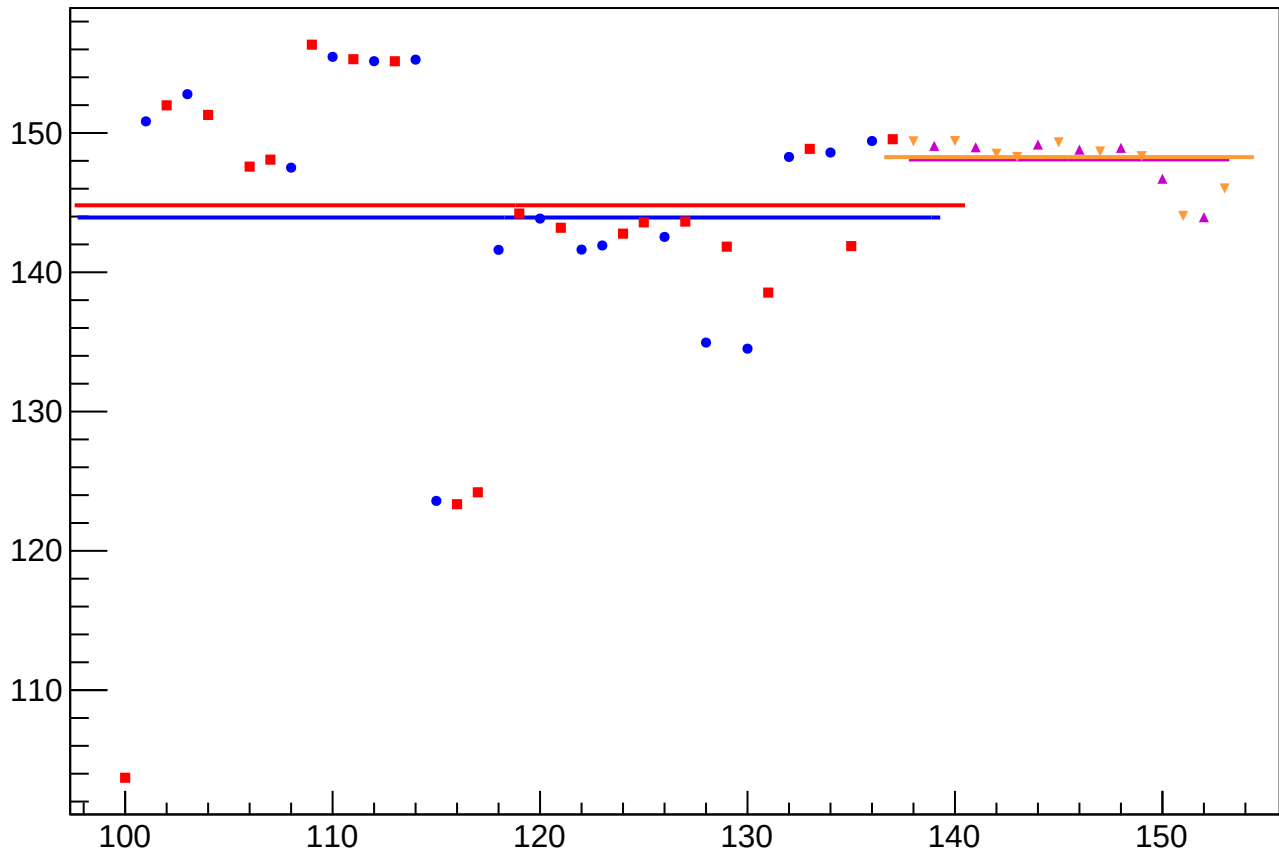
Left In: 0.386 $\pm$ 0.000 χ^2 /NDF: 363602.4/6

0.349 $\pm$ 0.000 χ^2 /NDF: 1779177.3/25

0.351 $\pm$ 0.000 χ^2 /NDF: 3466331.5/52

0.354 $\pm$ 0.000 χ^2 /NDF: 1685205.3/26

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 148.269 $\pm$ 0.000 χ^2 /NDF: 104552102.1/8

145.924 $\pm$ 0.000 χ^2 /NDF: 3923353922.8/25

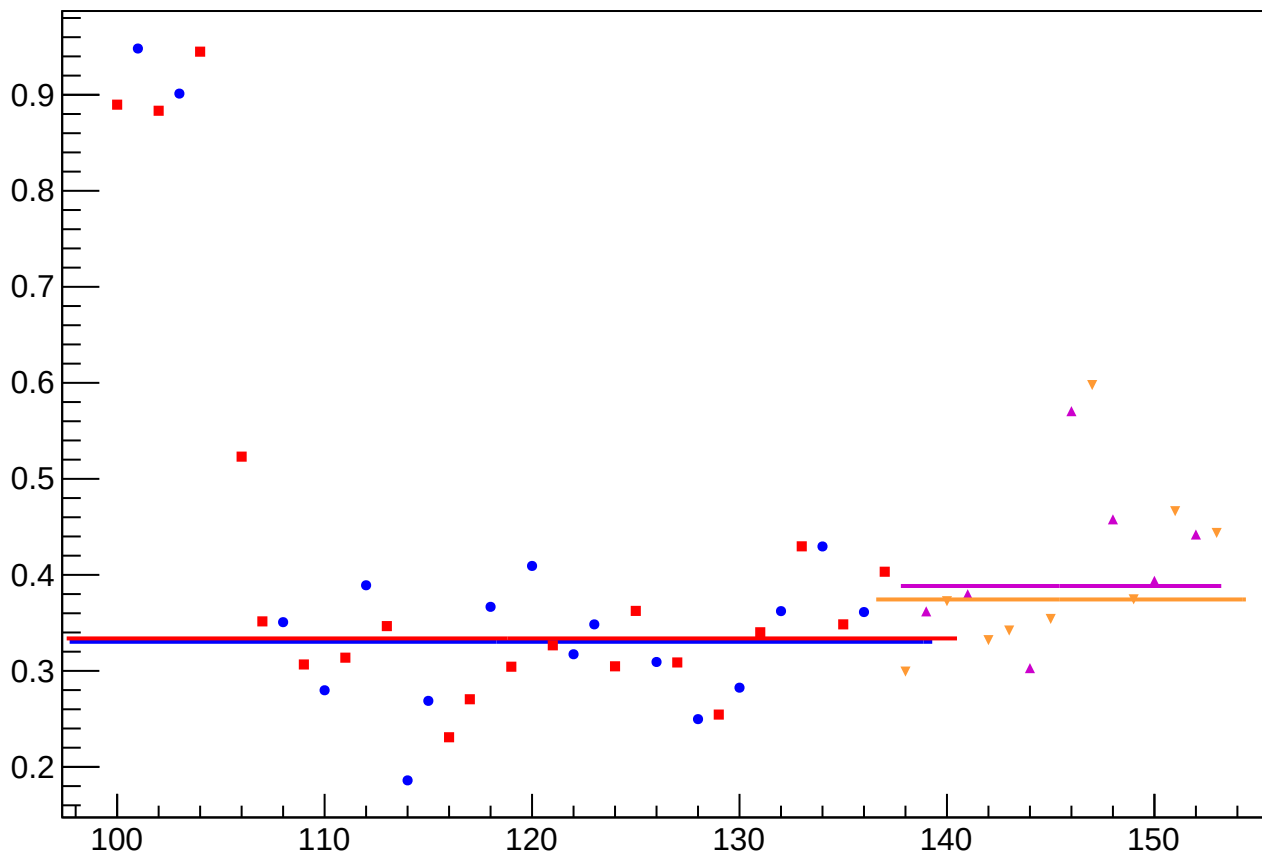
Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

146.022 $\pm$ 0.000 χ^2 /NDF: 8393684781.1/1

Left In: 148.098 $\pm$ 0.000 χ^2 /NDF: 102174044.2/6

146.126 $\pm$ 0.000 χ^2 /NDF: 4468483416.9/26

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.374 $\pm$ 0.000 χ^2/NDF : 415533.3/8

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1177889.1/19

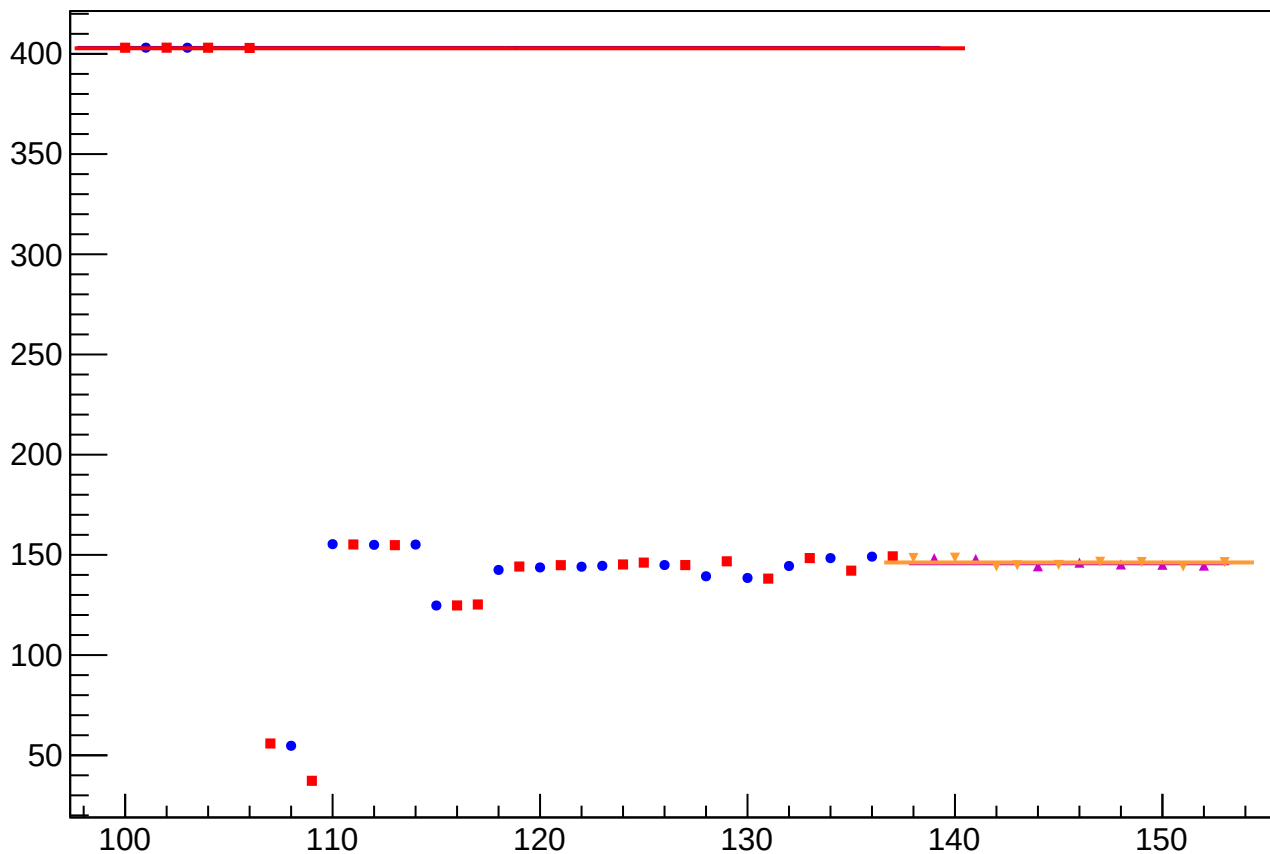
Left In: 0.388 $\pm$ 0.000 χ^2/NDF : 356669.9/6

0.351 $\pm$ 0.000 χ^2/NDF : 1789534.4/25

0.353 $\pm$ 0.000 χ^2/NDF : 3452297.9/52

0.356 $\pm$ 0.000 χ^2/NDF : 1660393.7/26

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.215+/-0.000 χ^2/NDF : 30391557.4/8

Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

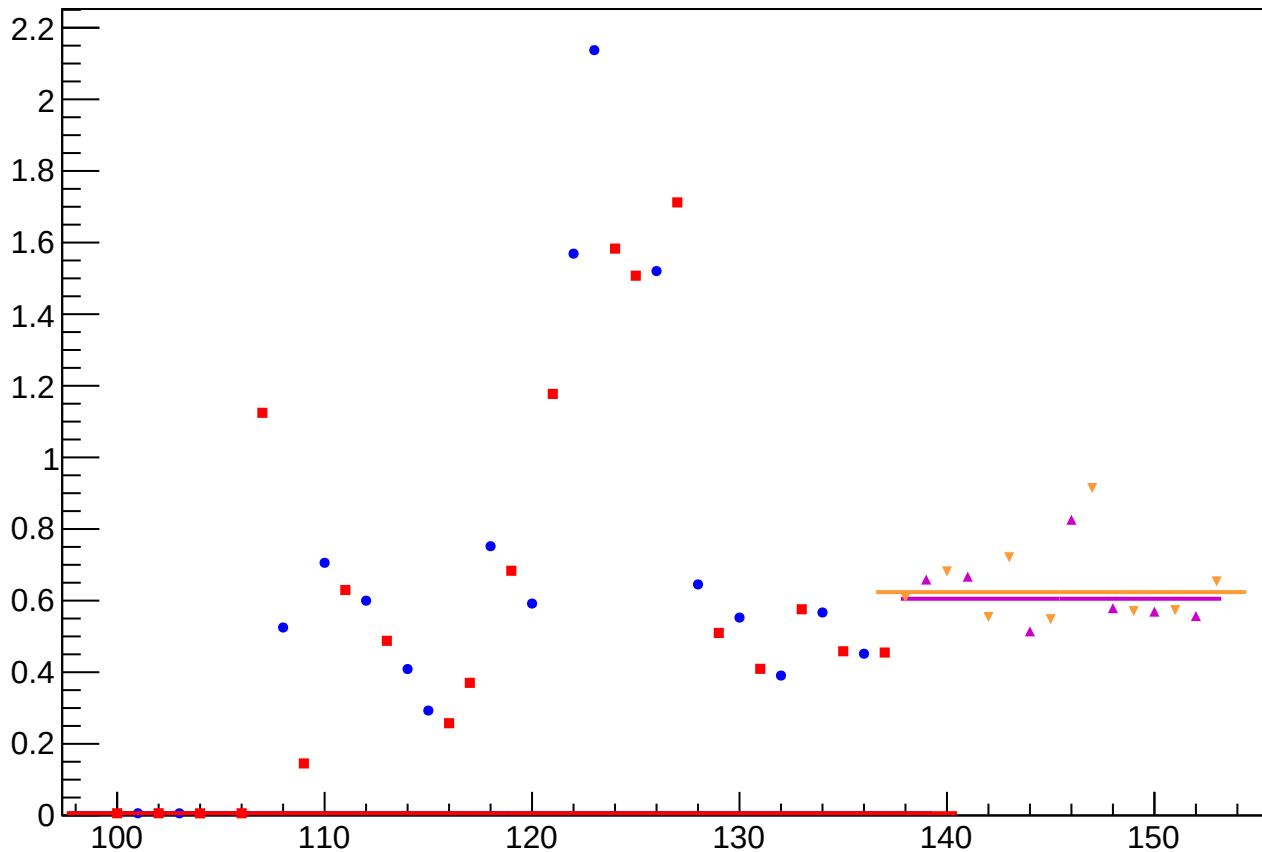
Left In: 145.814+/-0.000 χ^2/NDF : 23714770.1/6

402.867+/-0.000 χ^2/NDF : 1822140795956.4/25

402.789+/-0.000 χ^2/NDF : 563491406311

402.721+/-0.000 χ^2/NDF : 3812420369383.1/26

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 $\chi^2/\text{NDF}: 9079322.7/16$

Left Out: 0.624 $\pm$ 0.000 $\chi^2/\text{NDF}: 169783.7/8$

Right Out: 0.006 $\pm$ 0.000 $\chi^2/\text{NDF}: 9258244.0/19$

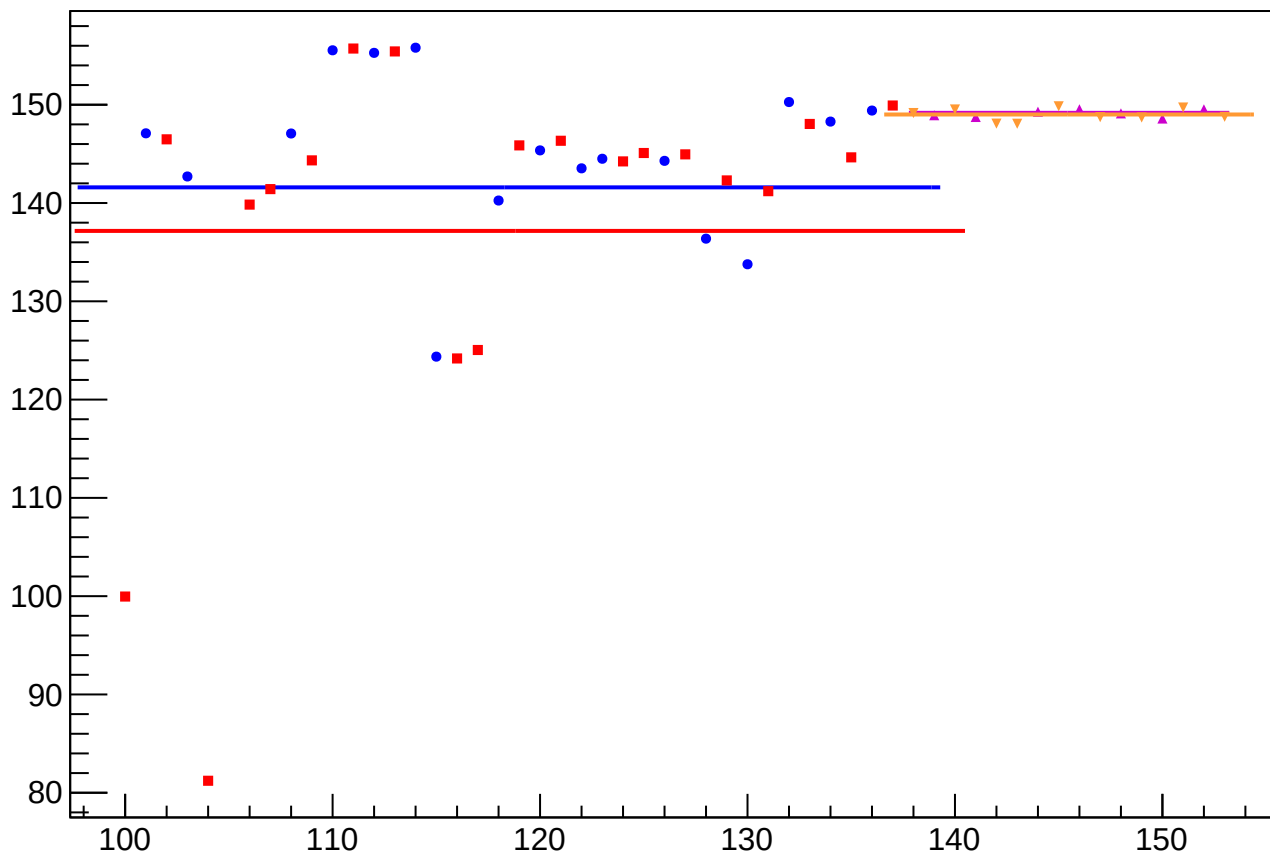
Left In: 0.605 $\pm$ 0.000 $\chi^2/\text{NDF}: 141624.5/6$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 17667086.4/25$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 34578518.2/52$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 16911353.1/26$

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.007 $\pm$ 0.000 χ^2 /NDF: 8387574.7/8

Right Out: 137.162 $\pm$ 0.000 χ^2 /NDF: 1366089515.6/19

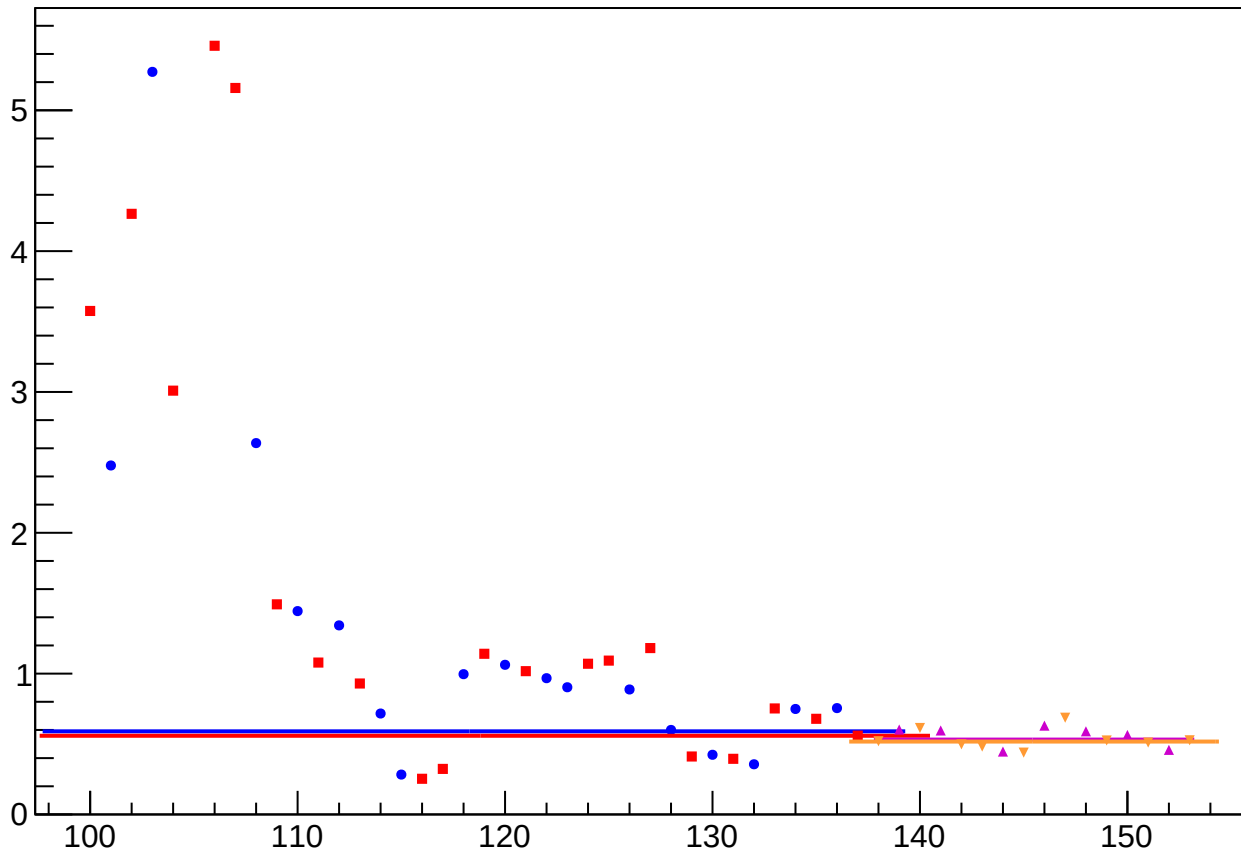
Left In: 149.175 $\pm$ 0.000 χ^2 /NDF: 1977985.1/6

146.527 $\pm$ 0.000 χ^2 /NDF: 1357757953.8/25

145.515 $\pm$ 0.000 χ^2 /NDF: 3743907727.5/25

144.408 $\pm$ 0.000 χ^2 /NDF: 2321419726.8/26

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.518+/-0.000 χ^2/NDF : 163409.1/8

Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

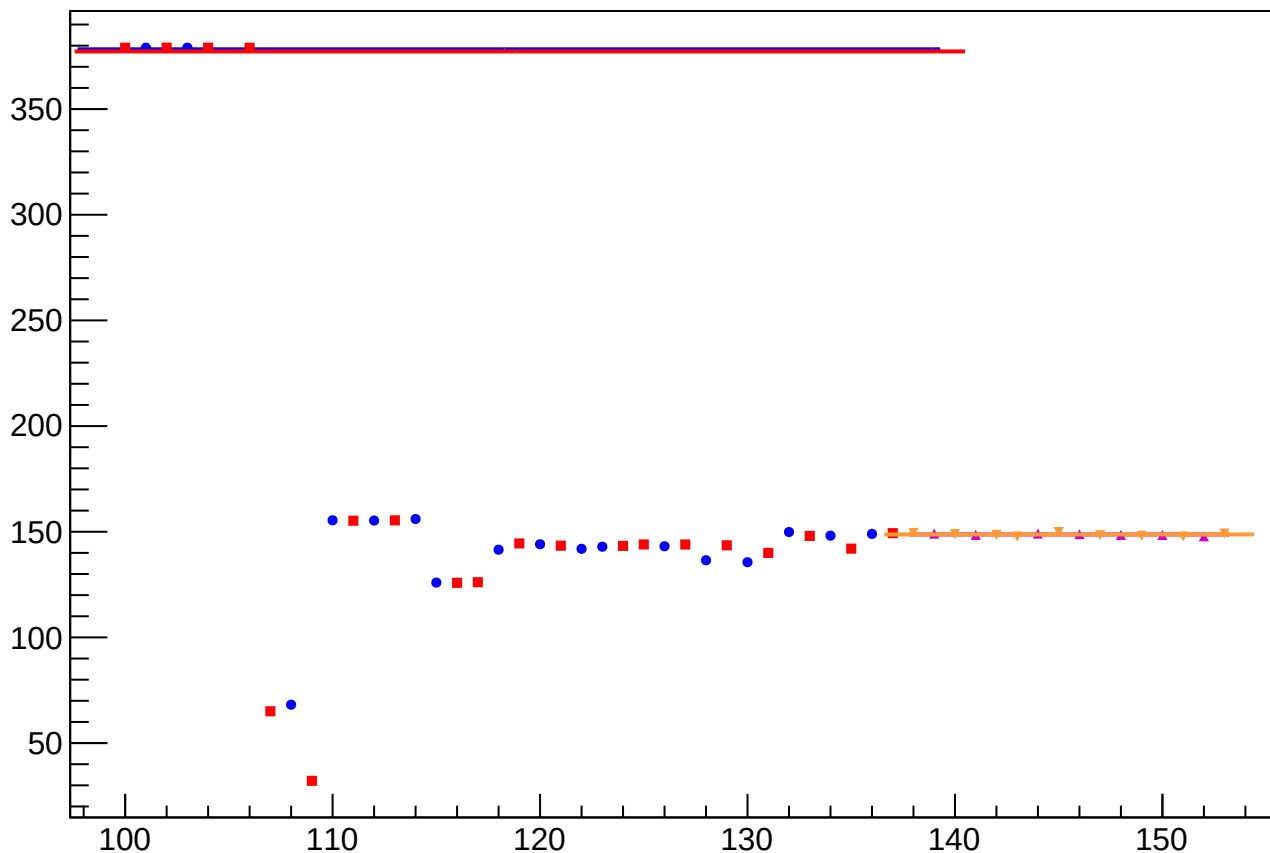
Left In: 0.532+/-0.000 χ^2/NDF : 175646.3/6

0.542+/-0.000 χ^2/NDF : 3726249.8/25

0.542+/-0.000 χ^2/NDF : 8632885.4/52

0.542+/-0.000 χ^2/NDF : 4906628.8/26

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.719+/-0.000 χ^2/NDF : 19525047.0/8

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

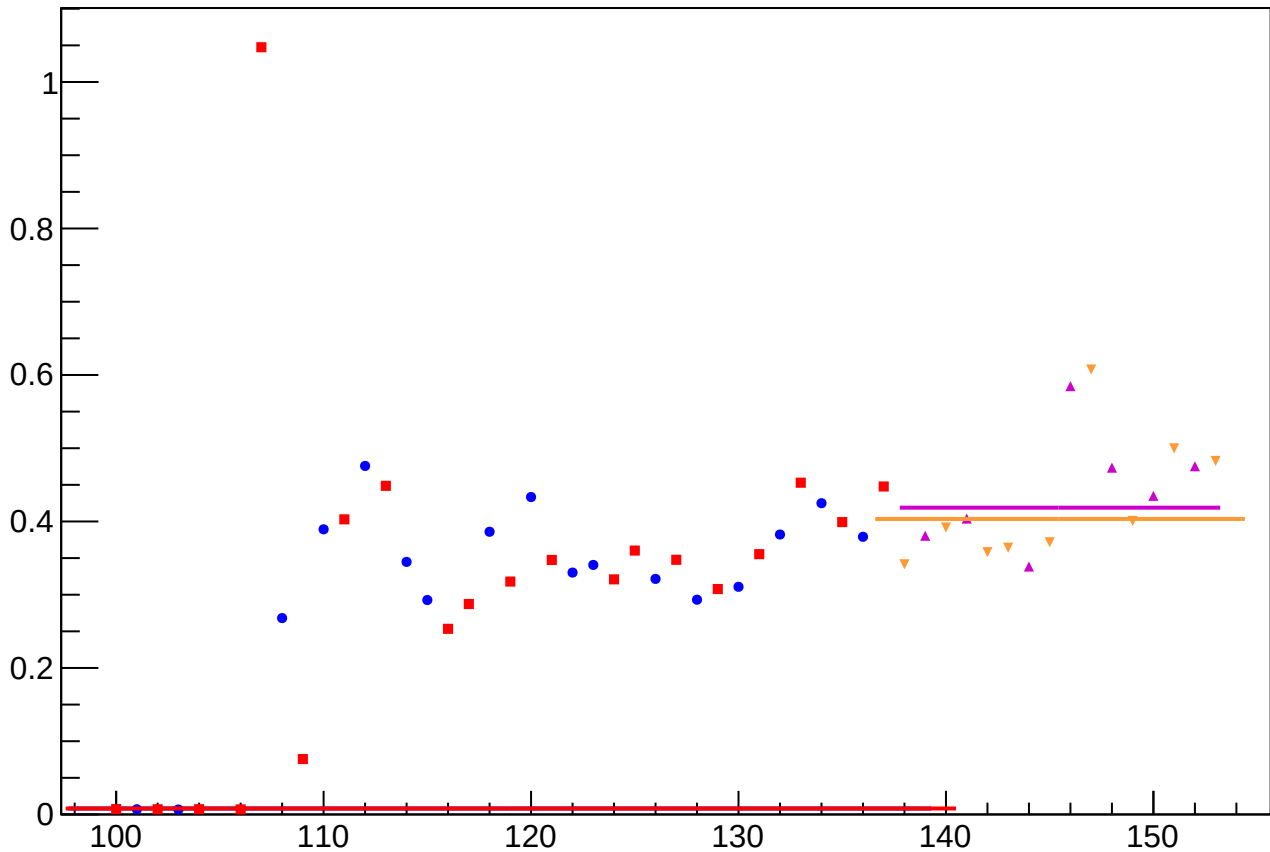
Left In: 148.711+/-0.000 χ^2/NDF : 5413172.8/6

377.634+/-0.000 χ^2/NDF : 4490368633295.4/25

377.199+/-0.000 χ^2/NDF : 144192657979

376.816+/-0.000 χ^2/NDF : 9924133916303.1/26

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.403 $\pm$ 0.000 χ^2/NDF : 350468.4/8

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9589375.6/19

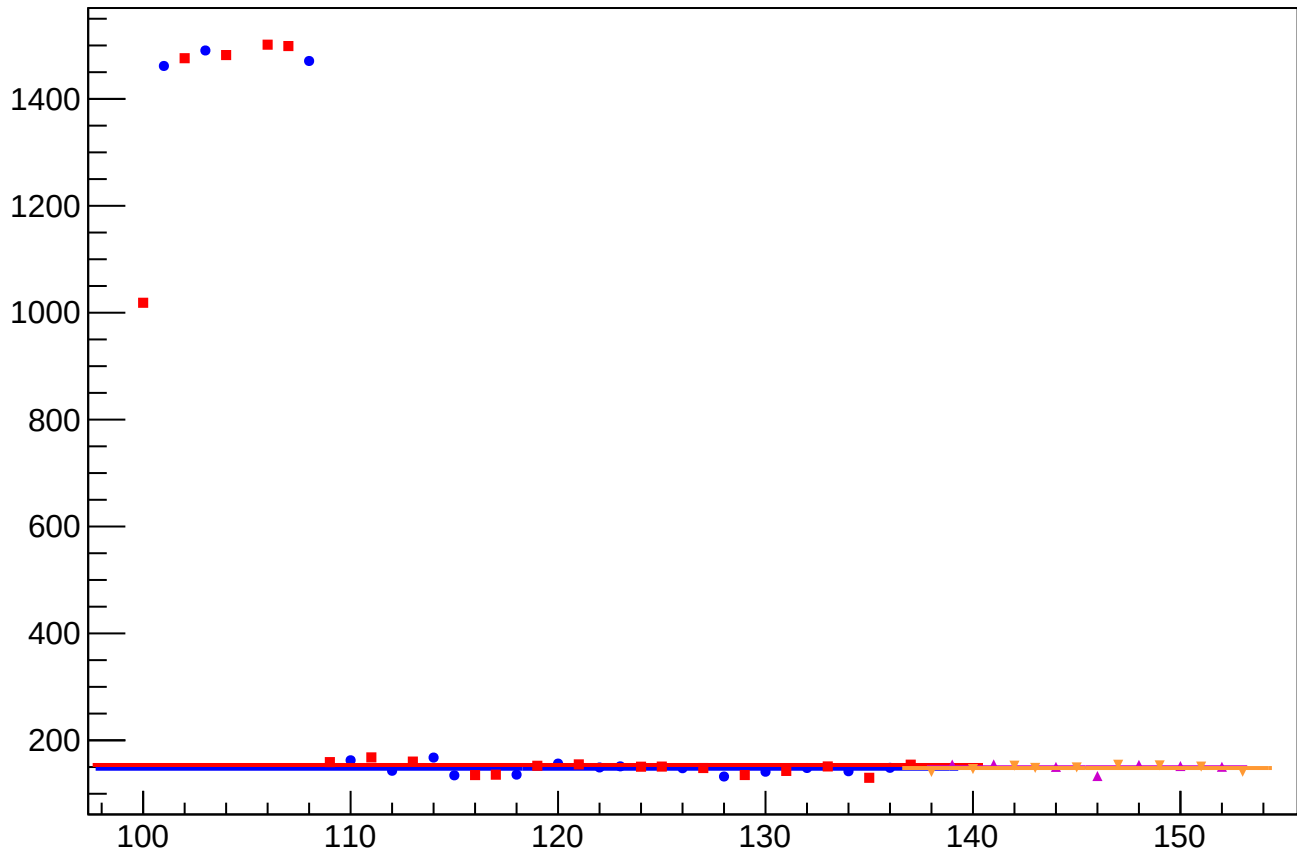
Left In: 0.419 $\pm$ 0.000 χ^2/NDF : 284883.7/6

0.009 $\pm$ 0.000 χ^2/NDF : 21912556.7/25

0.009 $\pm$ 0.000 χ^2/NDF : 42188413.6/52

0.009 $\pm$ 0.000 χ^2/NDF : 20274970.6/26

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 148.123+/-0.000 χ^2/NDF : 157343802.9/8

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

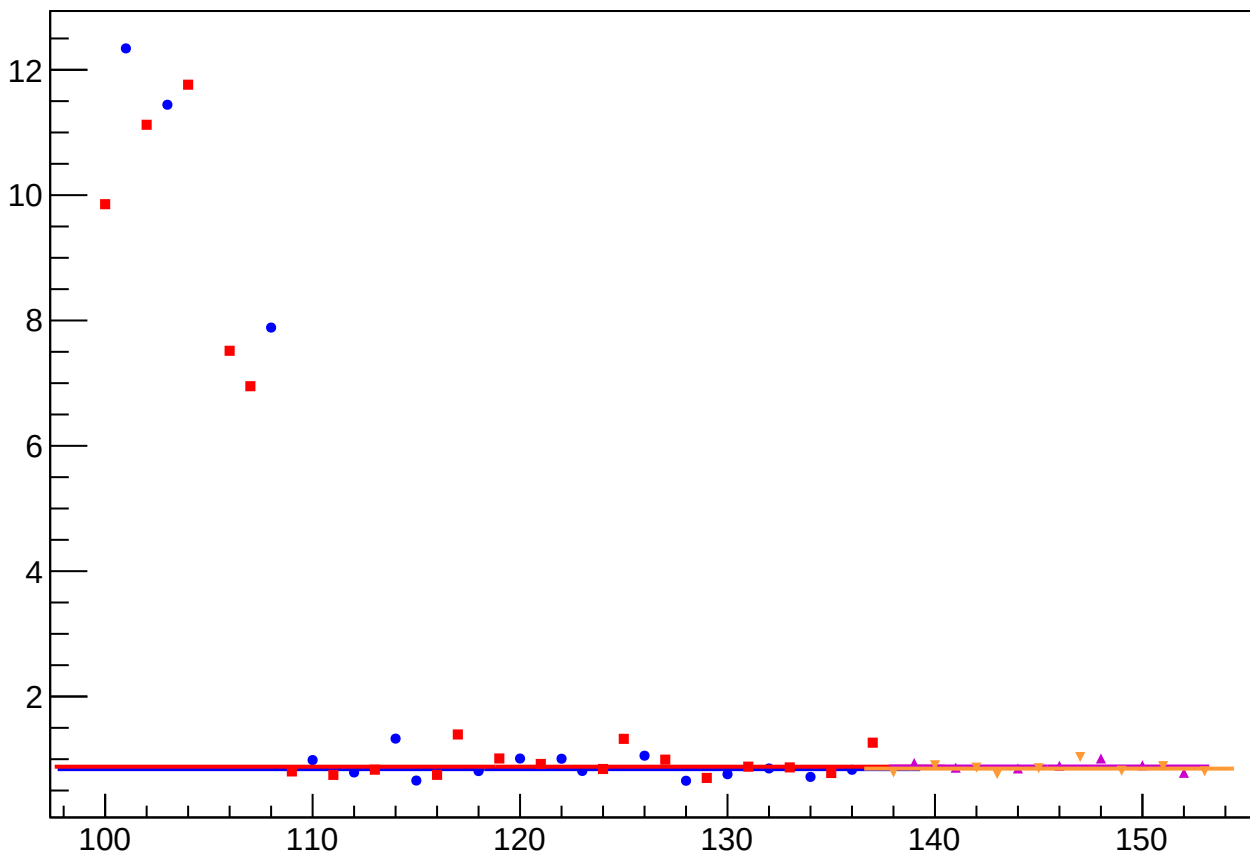
Left In: 149.620+/-0.000 χ^2/NDF : 292134805.6/6

147.557+/-0.000 χ^2/NDF : 24523238398.4/25

149.495+/-0.000 χ^2/NDF : 58705583236.6

151.620+/-0.000 χ^2/NDF : 34085812545.8/26

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.850 ± 0.000 χ^2/NDF : 74251.7/8

Right Out: 0.880 ± 0.000 χ^2/NDF : 2825356.7/19

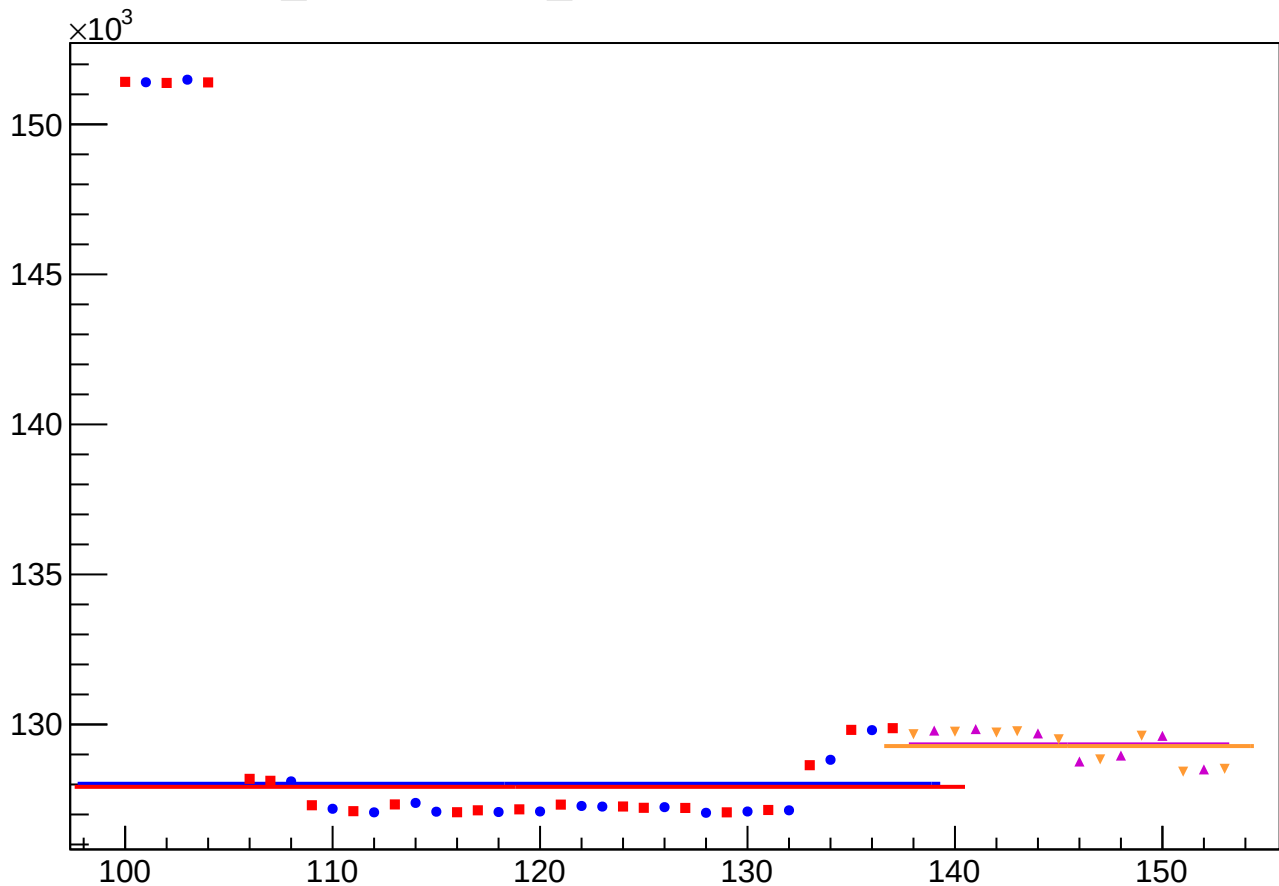
Left In: 0.883 ± 0.000 χ^2/NDF : 52490.2/6

0.846 ± 0.000 χ^2/NDF : 2737095.1/25

0.863 ± 0.000 χ^2/NDF : 5629934.9/52

0.882 ± 0.000 χ^2/NDF : 2877895.3/26

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129280.006 $\pm$ 0.066 χ^2 /NDF: 66734427.7/8

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

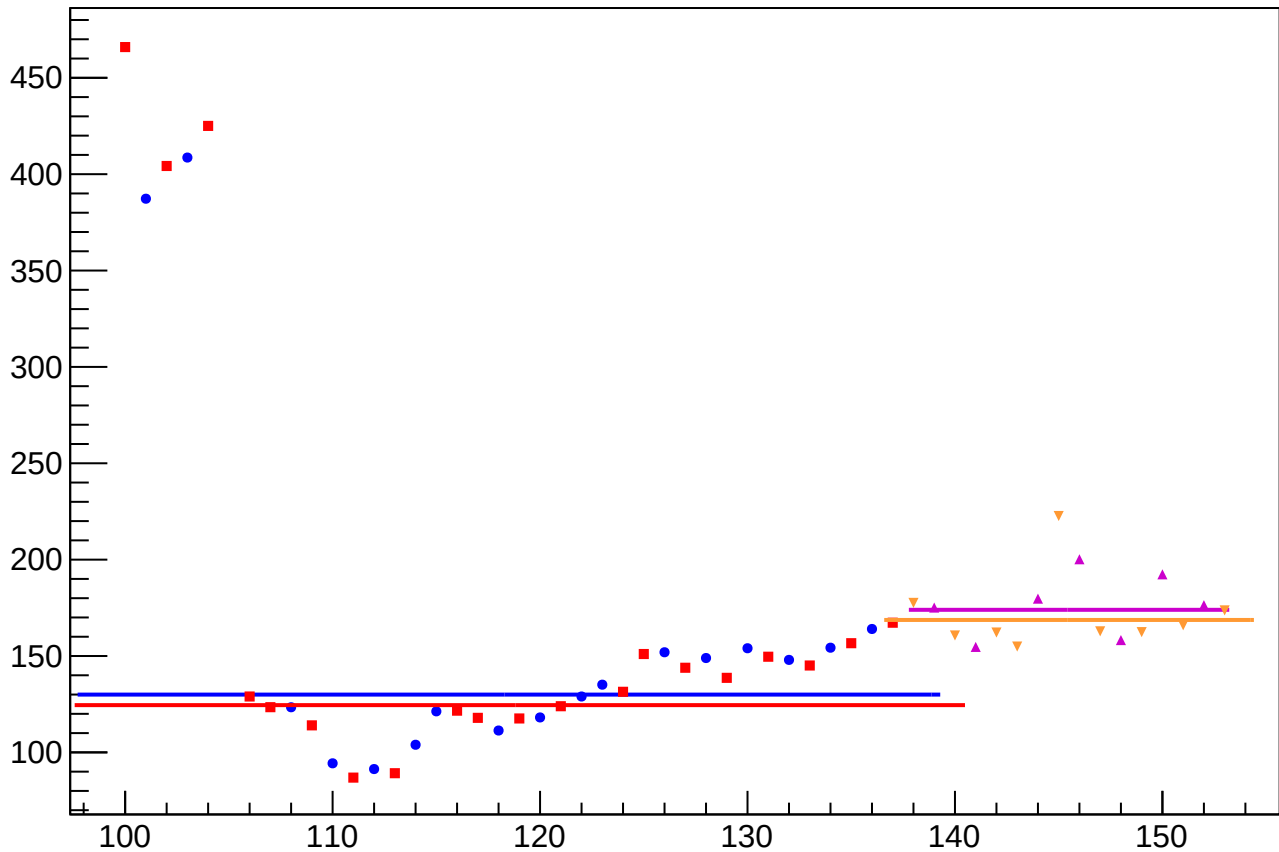
Left In: 129336.224 $\pm$ 0.073 χ^2 /NDF: 48467247.2/6

128529.074 $\pm$ 0.042 χ^2 /NDF: 4596831160.0/25

128449.128 $\pm$ 0.030 χ^2 /NDF: 867461346

128371.969 $\pm$ 0.041 χ^2 /NDF: 4070716899.3/26

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 +/- 0.039 χ^2/NDF : 1485519.5/16

Left Out: 168.709 +/- 0.047 χ^2/NDF : 115241.7/8

Right Out: 124.514 +/- 0.035 χ^2/NDF : 1531546.7/19

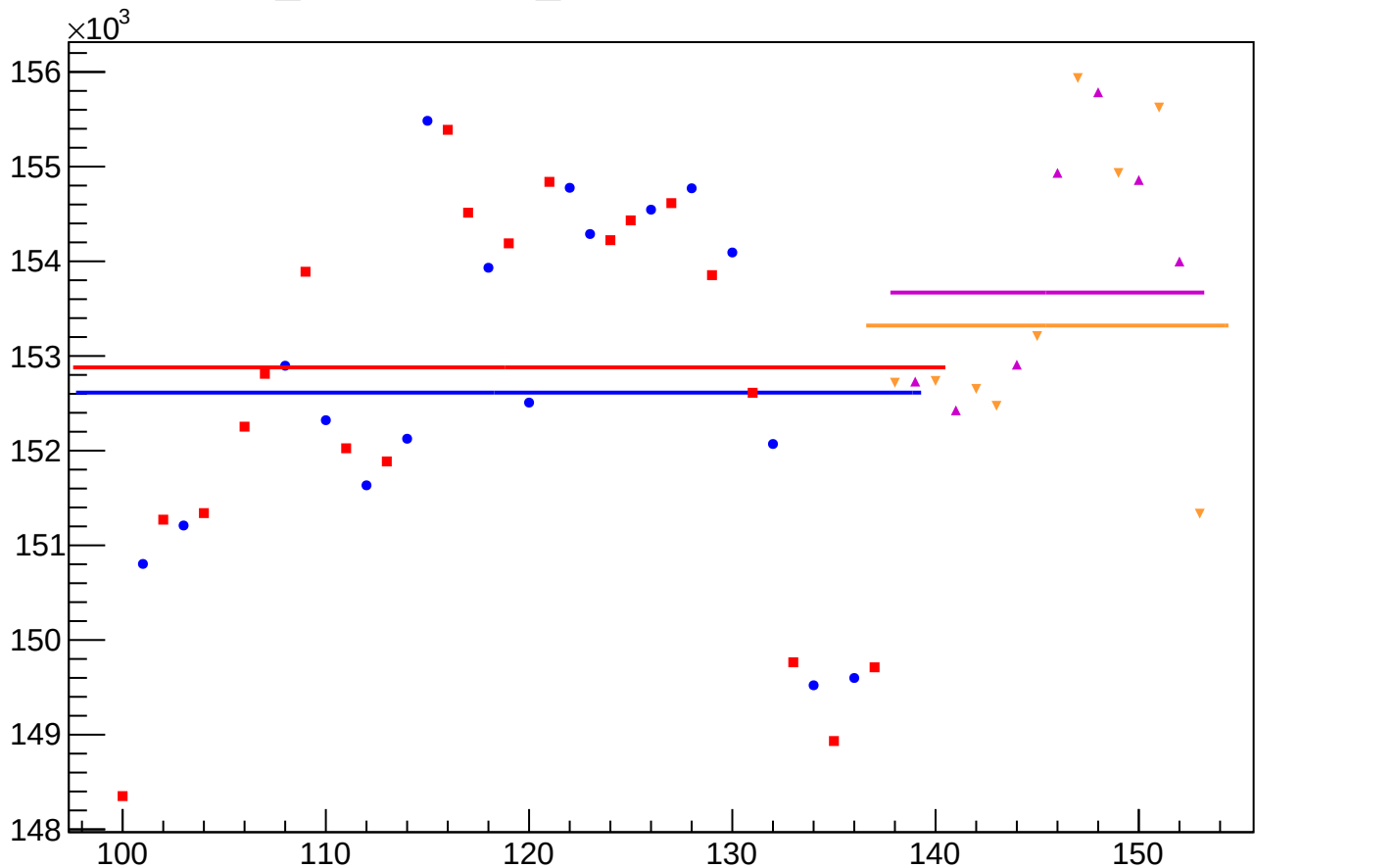
Left In: 173.968 +/- 0.052 χ^2/NDF : 86381.3/6

145.562 +/- 0.030 χ^2/NDF : 2006551.6/25

142.867 +/- 0.021 χ^2/NDF : 4259369.7/52

140.266 +/- 0.029 χ^2/NDF : 2236757.3/26

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153321.520 $\pm$ 0.075 χ^2 /NDF: 360716345.9/8

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

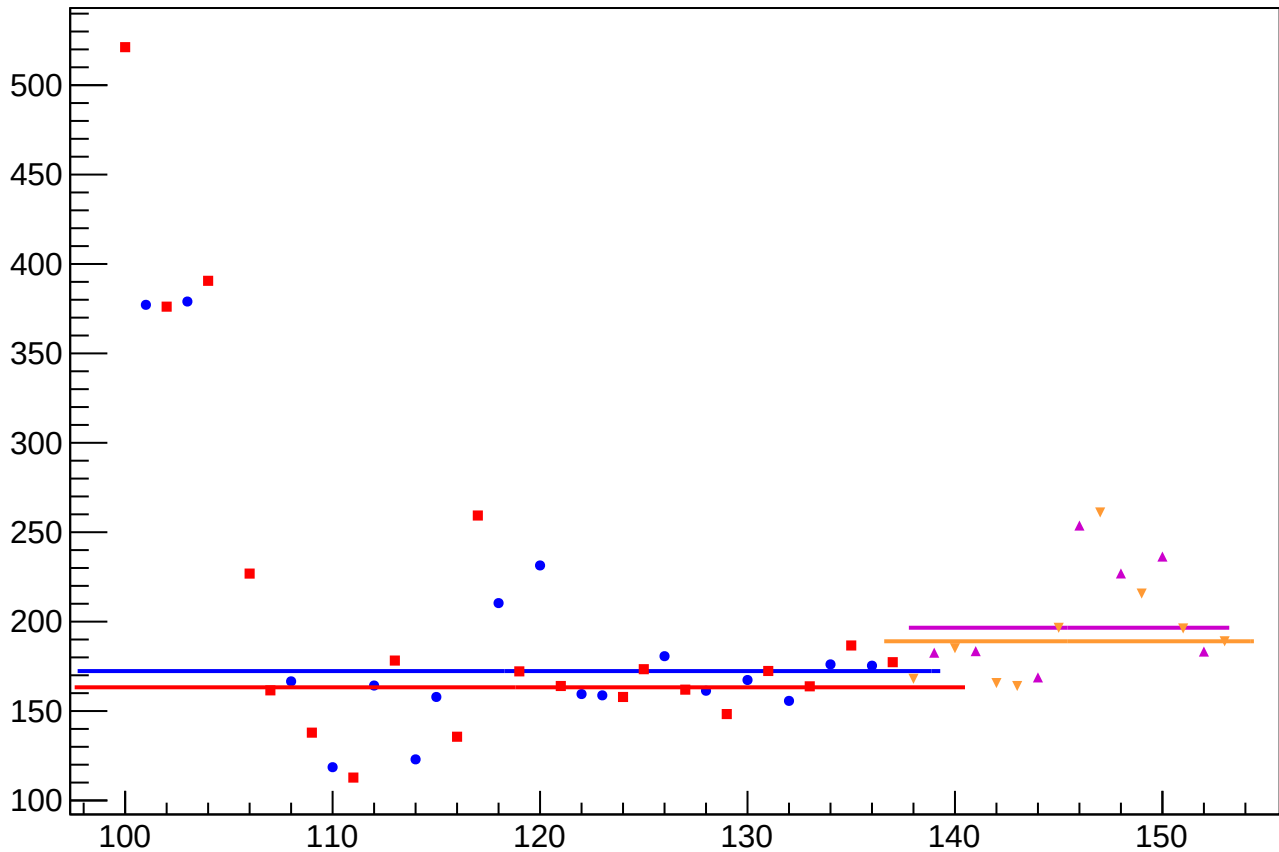
Left In: 153669.837 $\pm$ 0.084 χ^2 /NDF: 186481286.7/6

152953.961 $\pm$ 0.052 χ^2 /NDF: 1030305722.8/25

153068.915 $\pm$ 0.037 χ^2 /NDF: 199932348

153183.105 $\pm$ 0.052 χ^2 /NDF: 959296727.4/26

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351 +/- 0.051 χ^2/NDF : 921911.1/16

Left Out: 189.015 +/- 0.053 χ^2/NDF : 216777.3/8

Right Out: 163.273 +/- 0.047 χ^2/NDF : 1043440.1/19

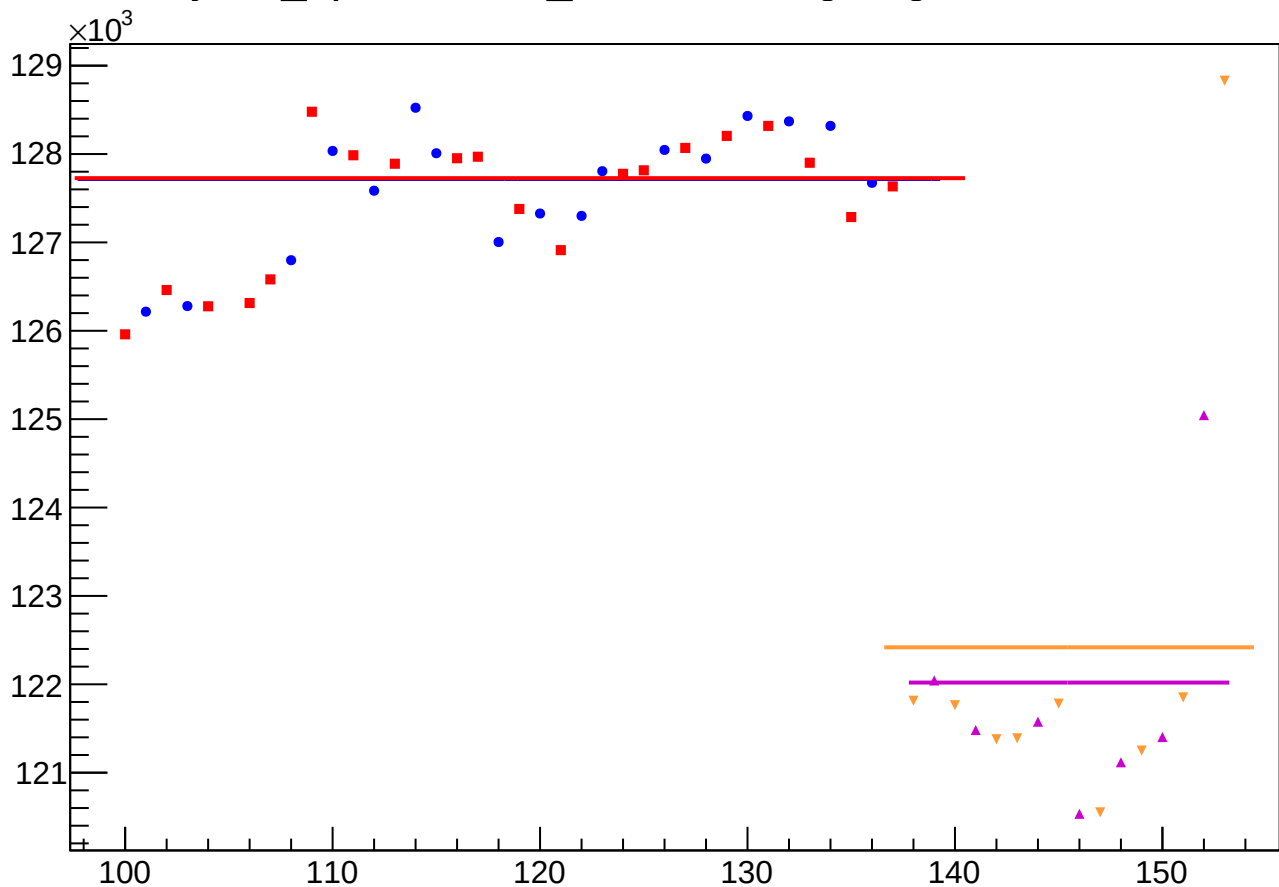
Left In: 196.587 +/- 0.059 χ^2/NDF : 227541.4/6

180.369 +/- 0.037 χ^2/NDF : 1189851.8/25

178.213 +/- 0.026 χ^2/NDF : 2662766.4/52

176.072 +/- 0.037 χ^2/NDF : 1466078.1/26

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 122418.482 $\pm$ 0.065 χ^2 /NDF: 1365909906.6/8

Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

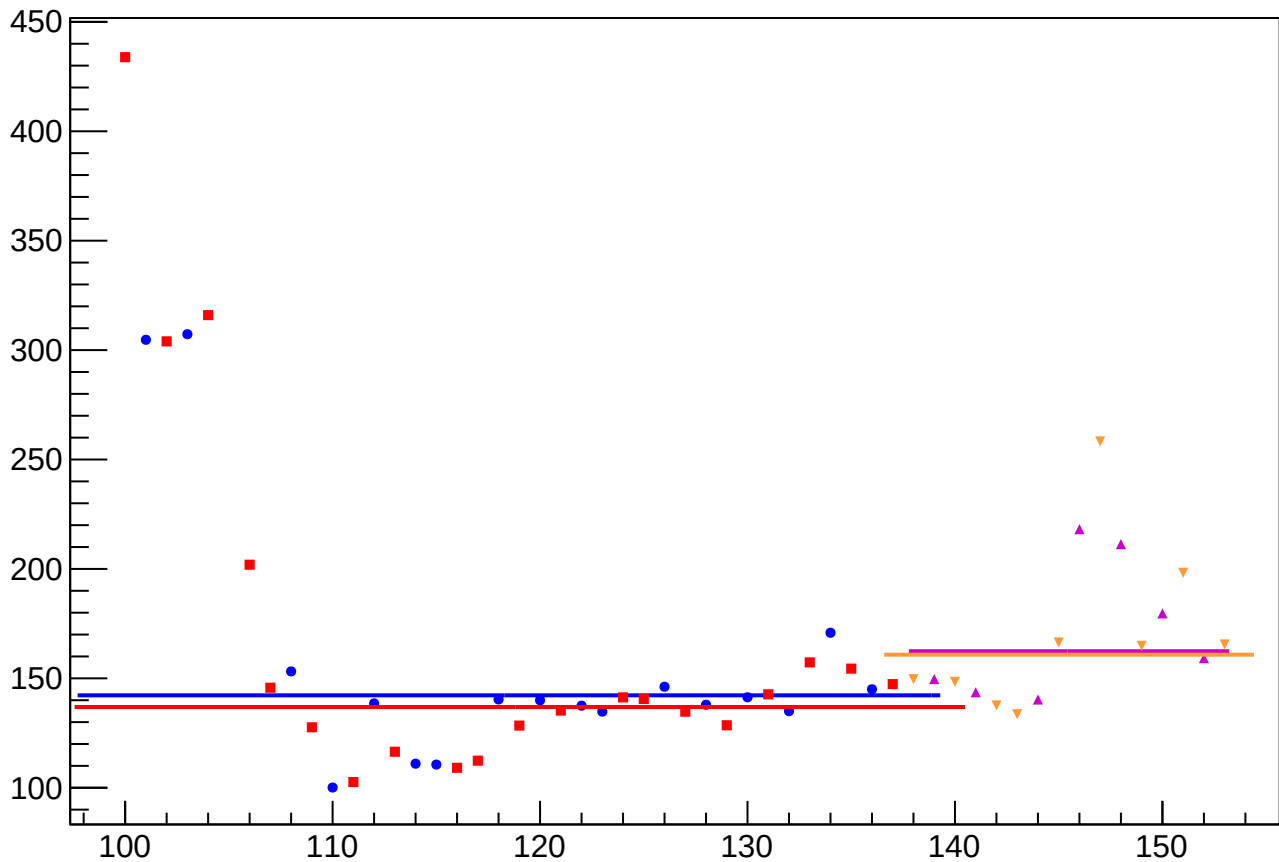
Left In: 122019.717 $\pm$ 0.070 χ^2 /NDF: 368955673.3/6

125345.302 $\pm$ 0.043 χ^2 /NDF: 5162284915.0/25

125460.826 $\pm$ 0.030 χ^2 /NDF: 983398750

125573.666 $\pm$ 0.043 χ^2 /NDF: 4657641389.9/26

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 +/- 0.041 χ^2/NDF : 836415.1/16

Left Out: 160.810 +/- 0.046 χ^2/NDF : 373493.9/8

Right Out: 136.904 +/- 0.038 χ^2/NDF : 961858.5/19

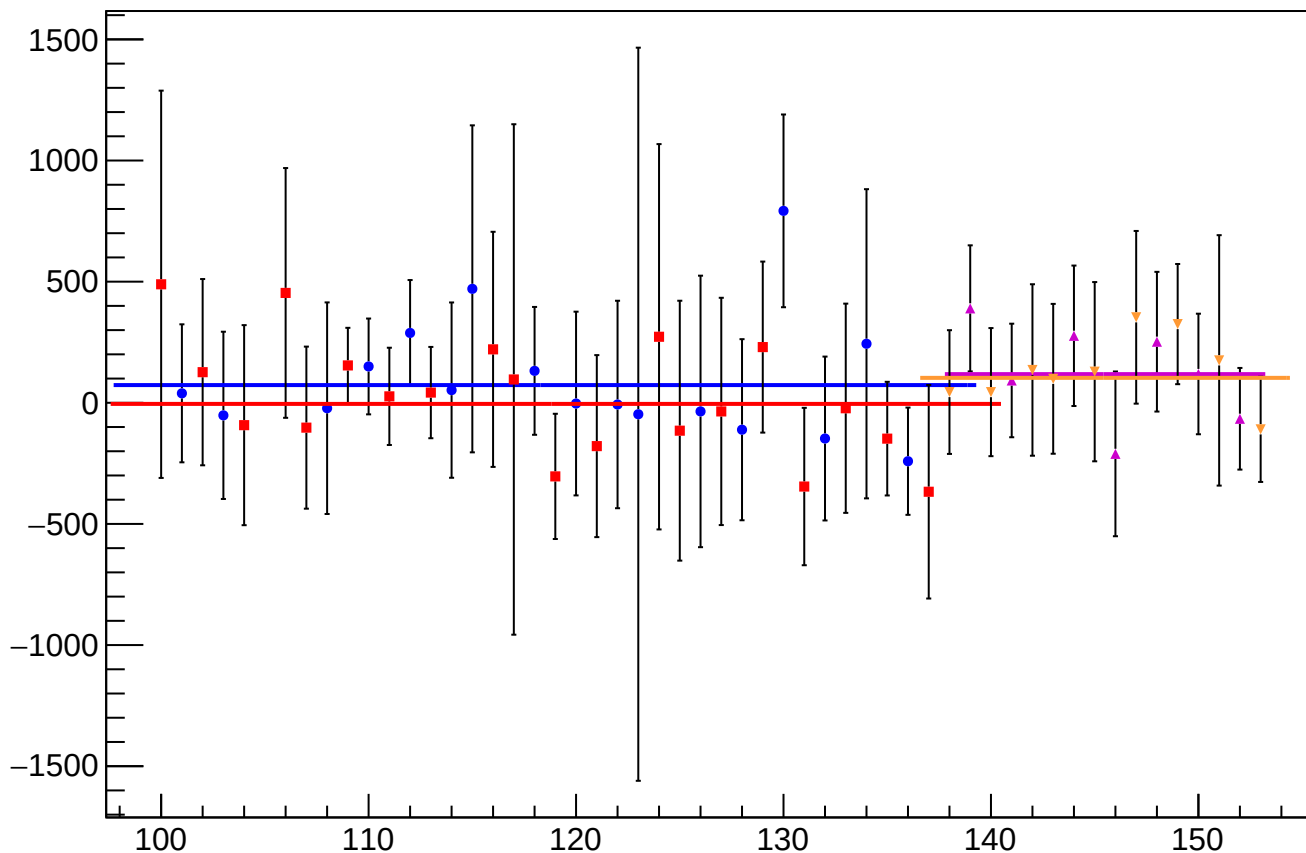
Left In: 162.405 +/- 0.049 χ^2/NDF : 280591.8/6

150.554 +/- 0.031 χ^2/NDF : 1300797.8/25

148.516 +/- 0.022 χ^2/NDF : 2718751.4/52

146.525 +/- 0.030 χ^2/NDF : 1409201.1/26

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 102.919+/-97.835 χ^2/NDF : 2.4/8

Right Out: -4.574+/-69.944 χ^2/NDF : 7.1/19

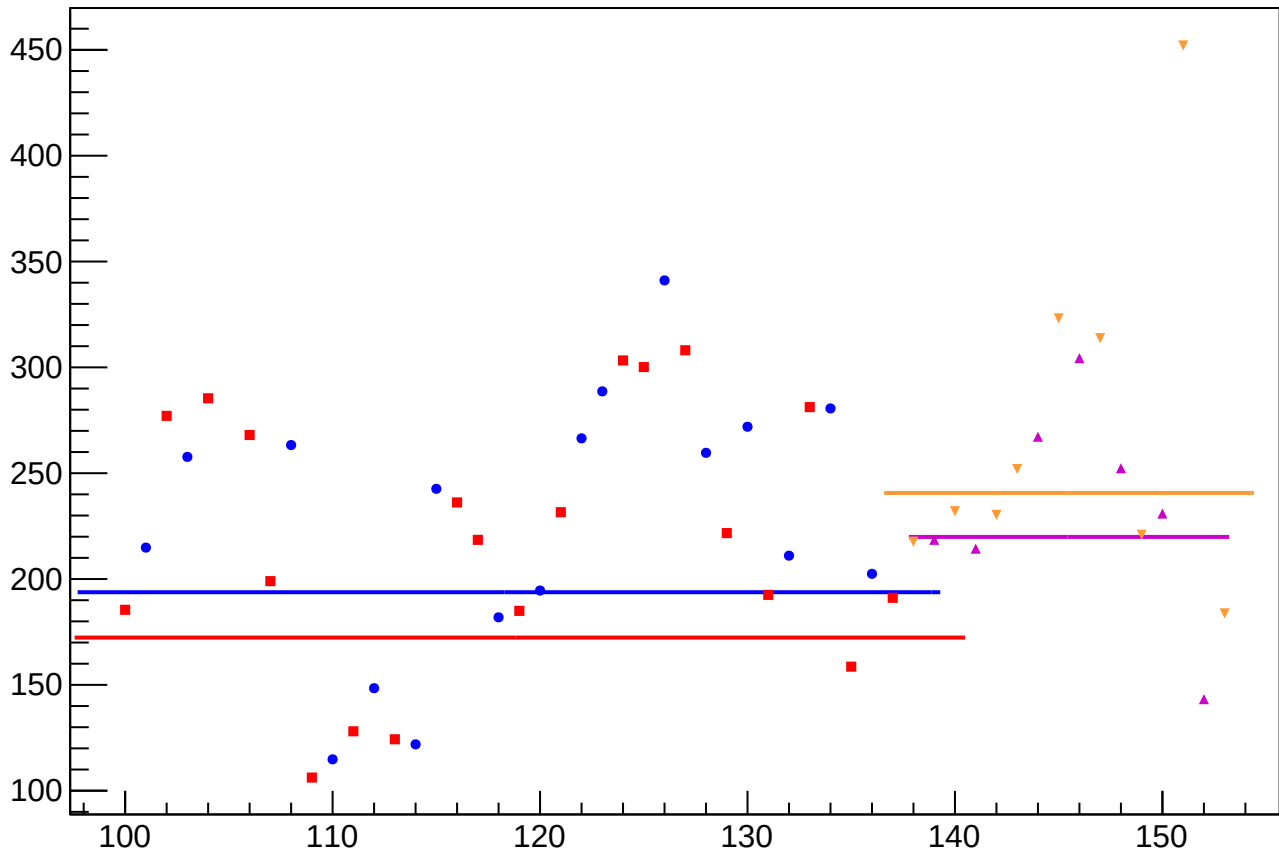
Left In: 118.338+/-97.857 χ^2/NDF : 3.3/6

84.983+/-61.747 χ^2/NDF : 10.3/25

59.029+/-41.844 χ^2/NDF : 22.1/52

36.986+/-56.903 χ^2/NDF : 11.5/26

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 240.689+/-0.069 χ^2/NDF : 690957.5/8

Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

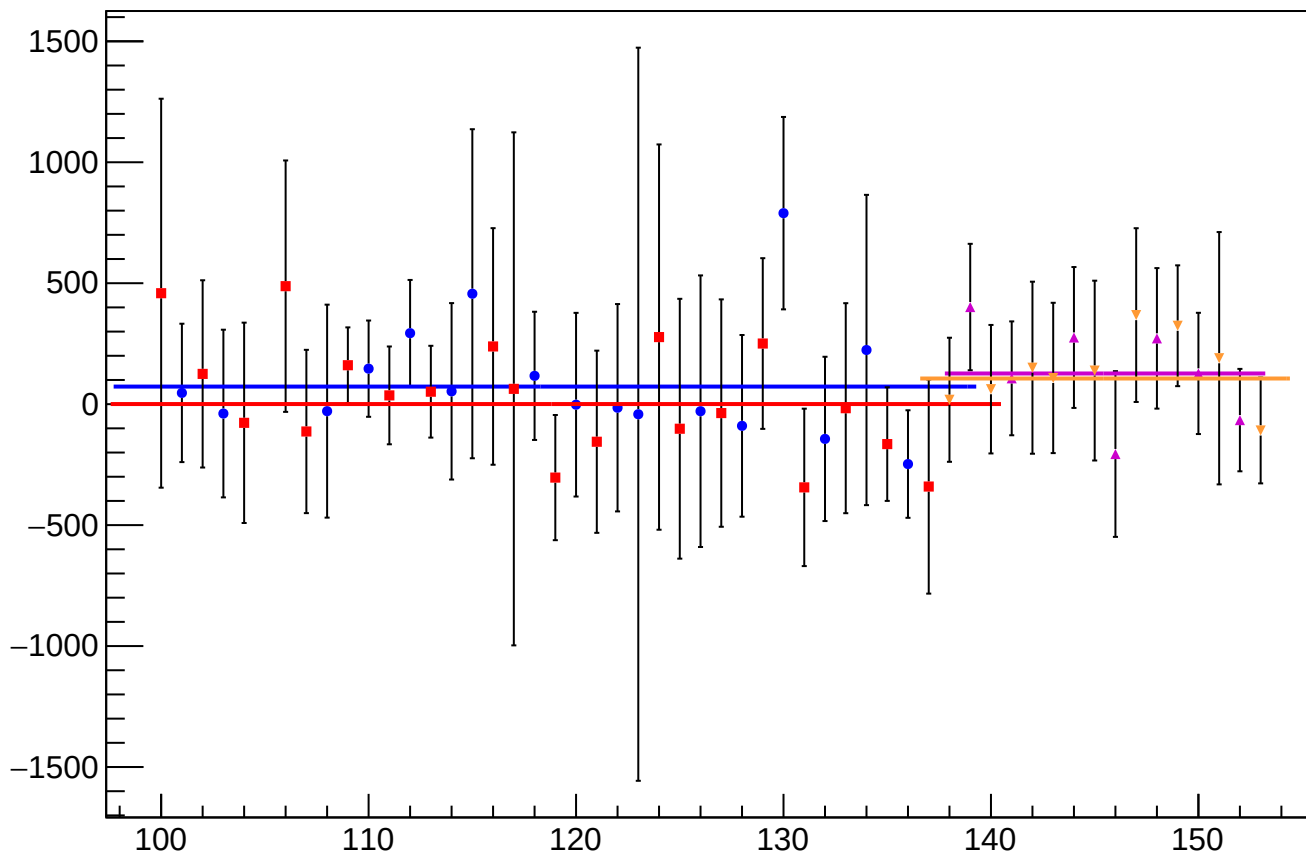
Left In: 219.899+/-0.069 χ^2/NDF : 474160.5/6

212.461+/-0.044 χ^2/NDF : 1984762.5/25

199.463+/-0.030 χ^2/NDF : 4519268.8/52

188.425+/-0.040 χ^2/NDF : 2370636.7/26

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675 ± 79.992 χ^2/NDF : 7.8/16

Left Out: 106.057 ± 98.415 χ^2/NDF : 2.5/8

Right Out: 0.459 ± 70.312 χ^2/NDF : 7.3/19

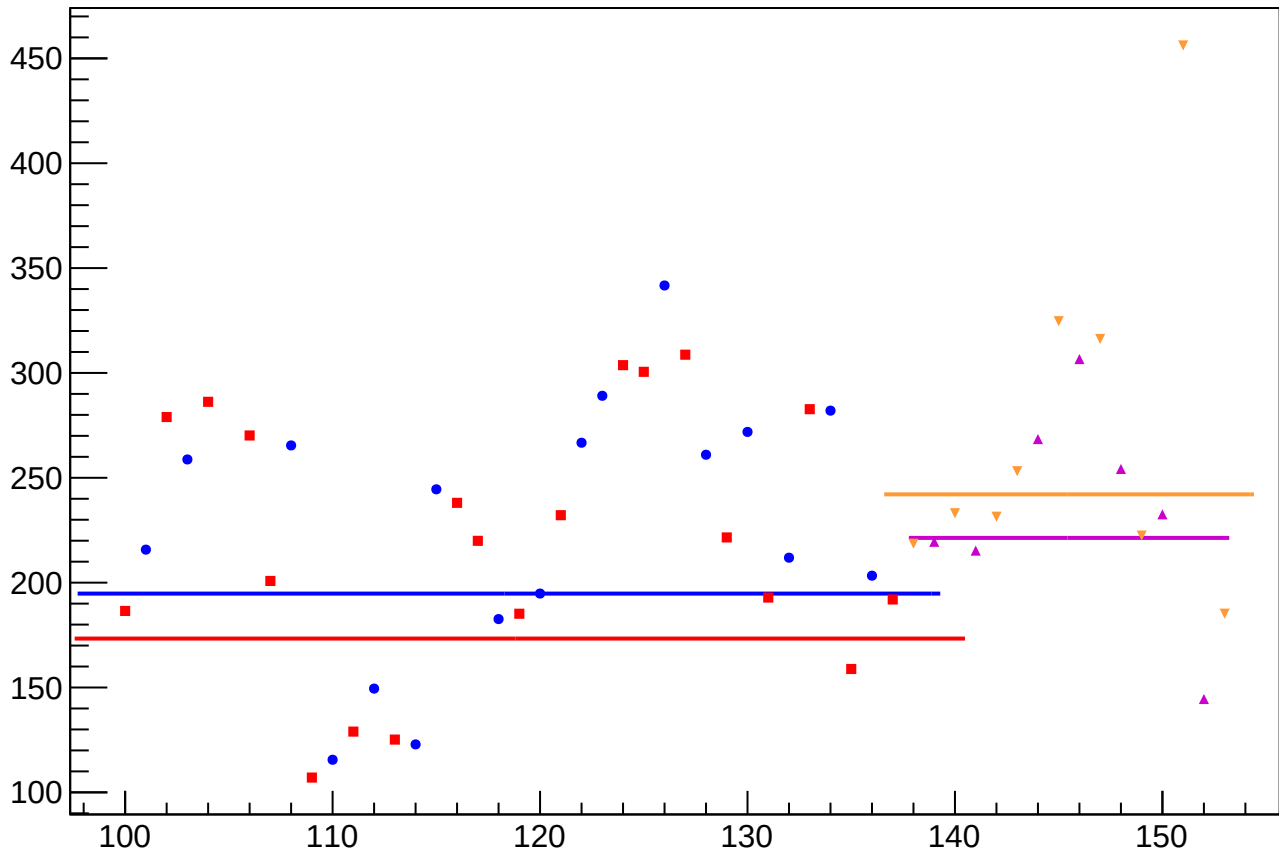
Left In: 126.831 ± 98.484 χ^2/NDF : 3.4/6

85.955 ± 62.074 χ^2/NDF : 10.3/25

62.802 ± 42.074 χ^2/NDF : 22.3/52

43.125 ± 57.224 χ^2/NDF : 11.8/26

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2/NDF : 1008292.8/16

Left Out: 242.099 $\pm$ 0.070 χ^2/NDF : 692014.6/8

Right Out: 173.337 $\pm$ 0.050 χ^2/NDF : 1571436.7/19

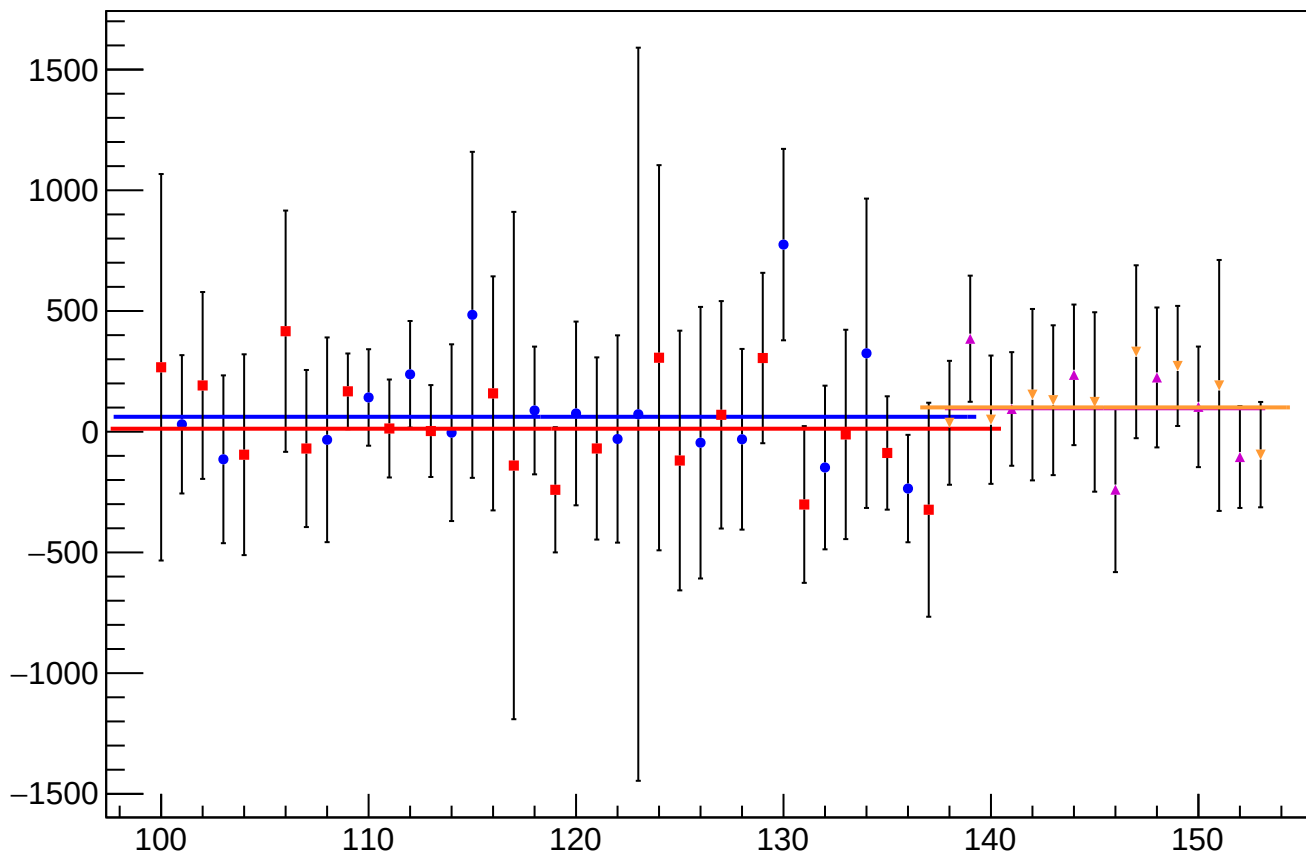
Left In: 221.338 $\pm$ 0.070 χ^2/NDF : 470850.9/6

213.606 $\pm$ 0.044 χ^2/NDF : 1978700.6/25

200.598 $\pm$ 0.030 χ^2/NDF : 4498157.9/52

189.543 $\pm$ 0.040 χ^2/NDF : 2356987.0/26

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 100.715 $\pm$ 98.259 χ^2 /NDF: 1.9/8

Right Out: 12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

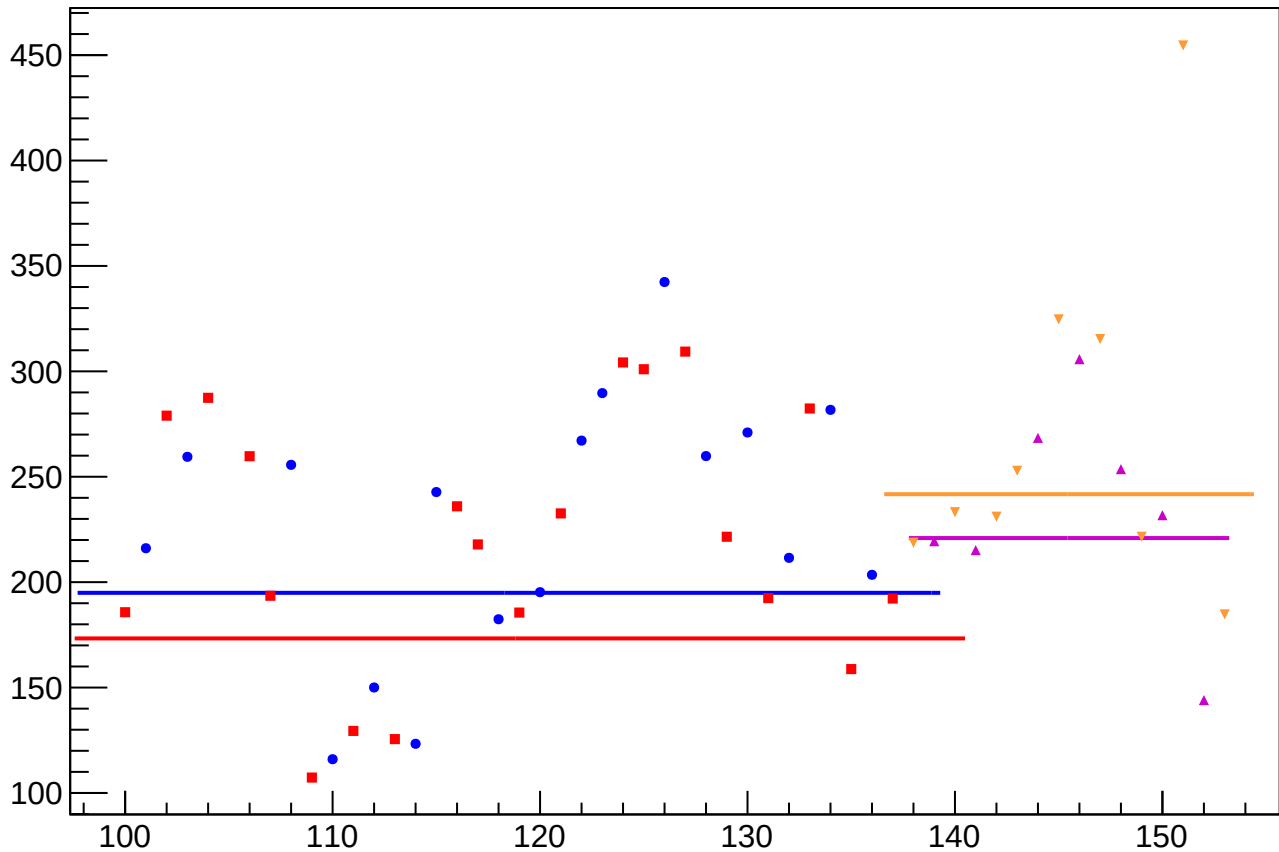
Left In: 97.035 $\pm$ 98.302 χ^2 /NDF: 3.5/6

77.318 $\pm$ 62.032 χ^2 /NDF: 9.2/25

57.680 $\pm$ 42.030 χ^2 /NDF: 19.2/52

41.013 $\pm$ 57.146 χ^2 /NDF: 9.8/26

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2/NDF : 986629.1/16

Left Out: 241.723 $\pm$ 0.069 χ^2/NDF : 691808.6/8

Right Out: 173.309 $\pm$ 0.050 χ^2/NDF : 1548342.3/19

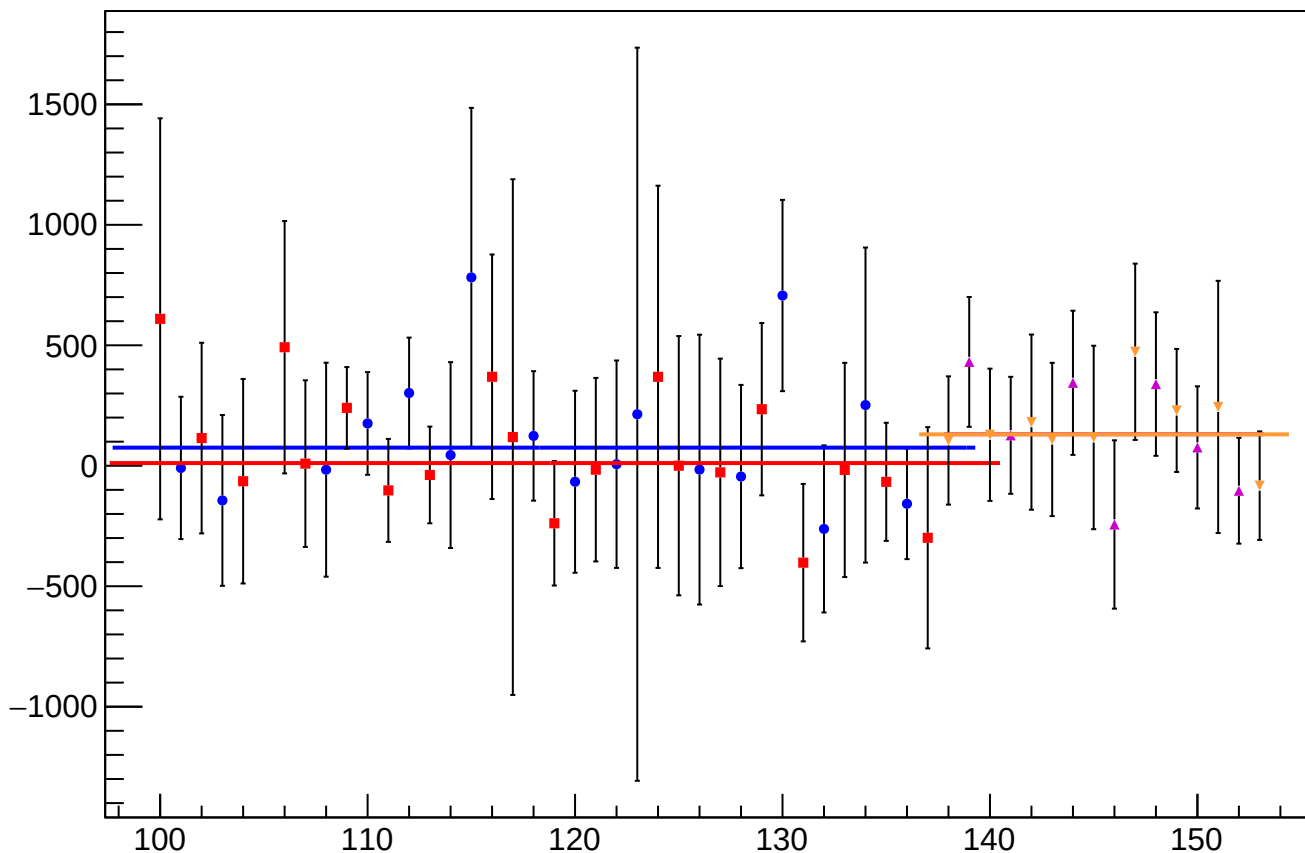
Left In: 220.918 $\pm$ 0.070 χ^2/NDF : 472559.3/6

213.585 $\pm$ 0.044 χ^2/NDF : 1951137.4/25

200.502 $\pm$ 0.030 χ^2/NDF : 4447086.7/52

189.398 $\pm$ 0.040 χ^2/NDF : 2331482.3/26

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2/NDF : 7.6/16

Left Out: 130.413 $\pm$ 101.062 χ^2/NDF : 2.0/8

Right Out: 11.180 $\pm$ 73.166 χ^2/NDF : 7.8/19

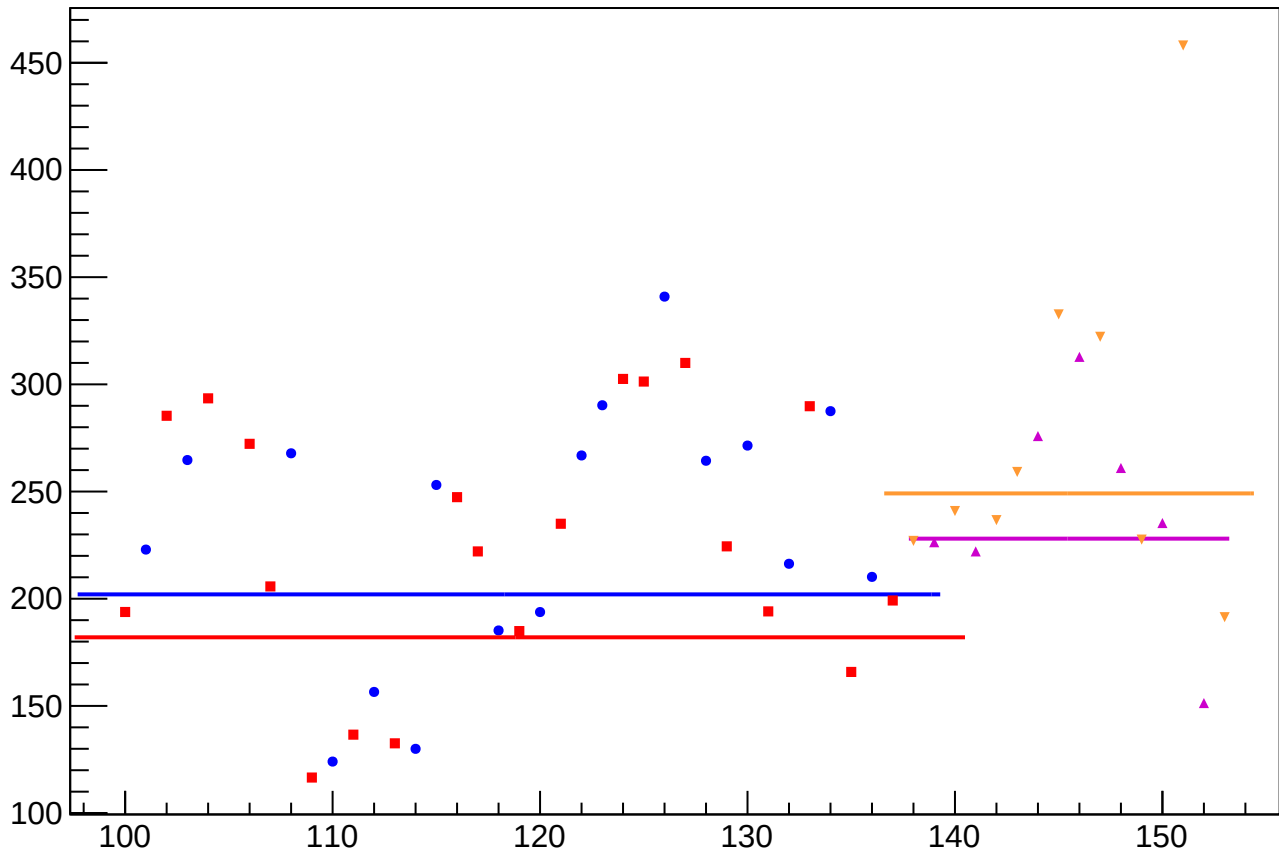
Left In: 130.968 $\pm$ 101.170 χ^2/NDF : 4.6/6

97.285 $\pm$ 63.912 χ^2/NDF : 9.8/25

73.115 $\pm$ 43.465 χ^2/NDF : 23.4/52

52.317 $\pm$ 59.287 χ^2/NDF : 13.3/26

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 +/- 0.058 χ^2/NDF : 881608.7/16

Left Out: 249.125 +/- 0.071 χ^2/NDF : 660499.2/8

Right Out: 182.000 +/- 0.052 χ^2/NDF : 1380354.3/19

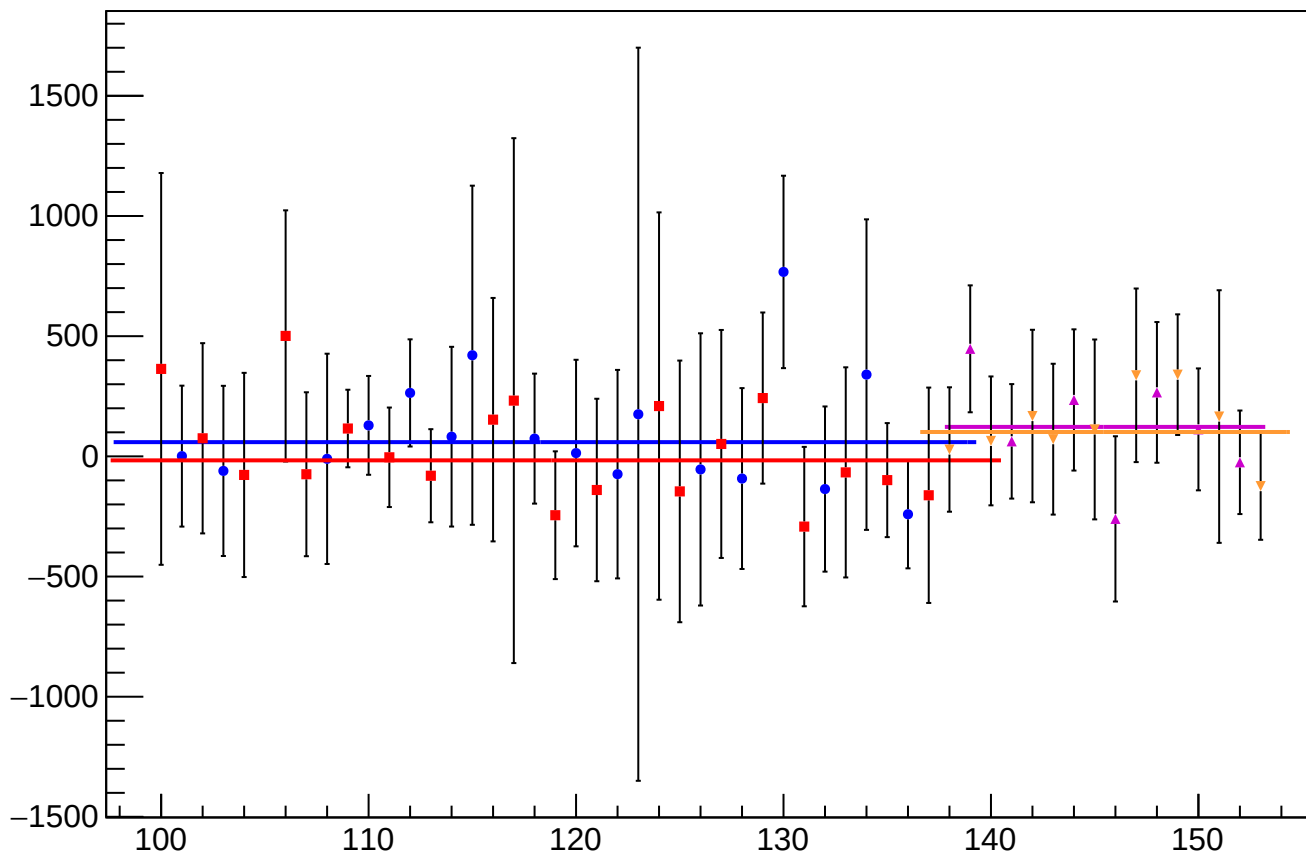
Left In: 228.026 +/- 0.072 χ^2/NDF : 440513.1/6

220.864 +/- 0.045 χ^2/NDF : 1802730.7/25

208.470 +/- 0.031 χ^2/NDF : 4035318.6/52

197.806 +/- 0.042 χ^2/NDF : 2092664.1/26

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2/NDF : 7.1/16

Left Out: 101.368 $\pm$ 99.451 χ^2/NDF : 2.5/8

Right Out: -16.650 $\pm$ 71.745 χ^2/NDF : 4.7/19

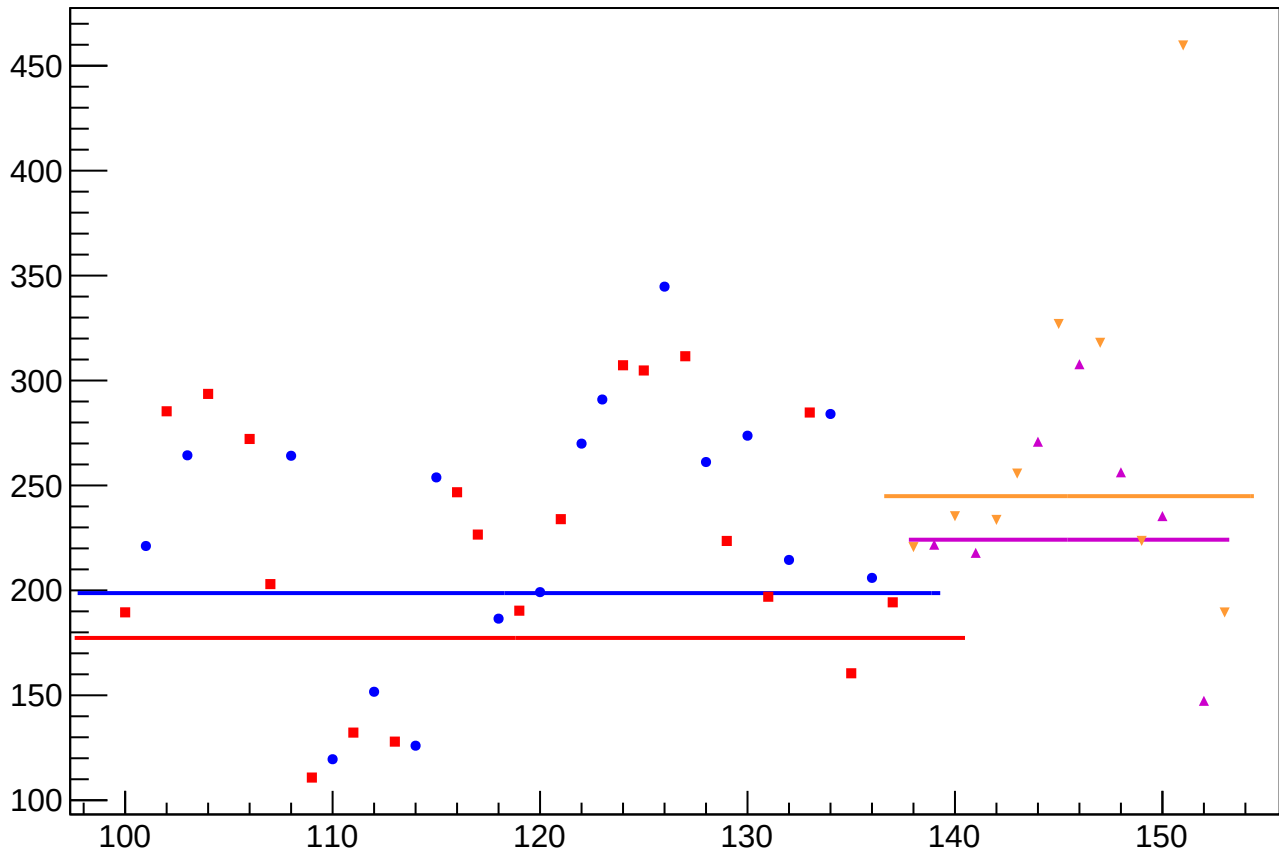
Left In: 122.572 $\pm$ 99.606 χ^2/NDF : 3.7/6

76.106 $\pm$ 62.998 χ^2/NDF : 9.8/25

51.726 $\pm$ 42.756 χ^2/NDF : 19.7/52

30.907 $\pm$ 58.215 χ^2/NDF : 9.7/26

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 ± 0.058 χ^2/NDF : 963394.4/16

Left Out: 244.897 ± 0.070 χ^2/NDF : 674180.6/8

Right Out: 177.338 ± 0.051 χ^2/NDF : 1528976.8/19

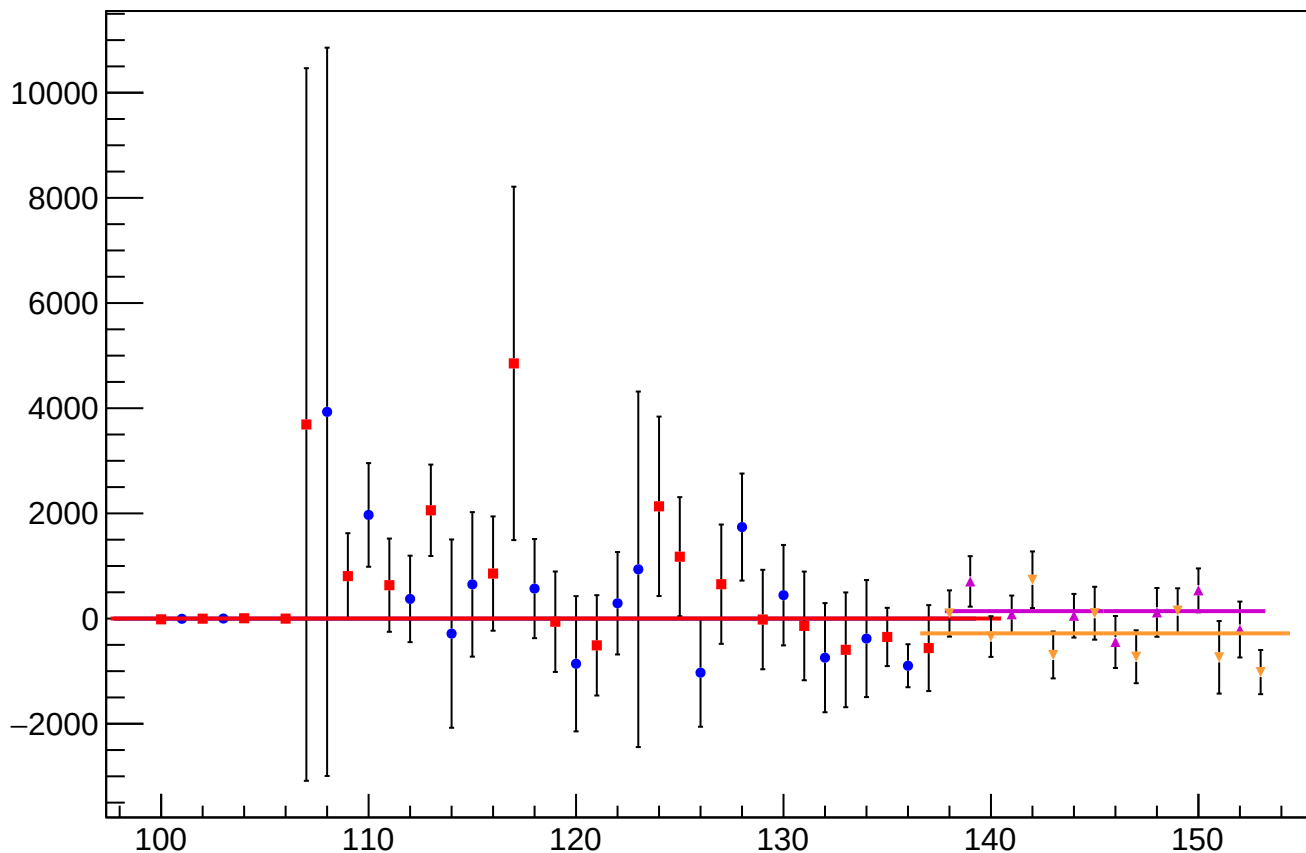
Left In: 224.144 ± 0.070 χ^2/NDF : 452522.3/6

217.240 ± 0.045 χ^2/NDF : 1895921.7/25

204.341 ± 0.030 χ^2/NDF : 4323630.6/52

193.327 ± 0.041 χ^2/NDF : 2272270.5/26

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 $\pm$ 2.251 χ^2/NDF : 16.6/16

Left Out: -281.235 $\pm$ 155.162 χ^2/NDF : 11.1/8

Right Out: 0.733 $\pm$ 2.111 χ^2/NDF : 20.5/19

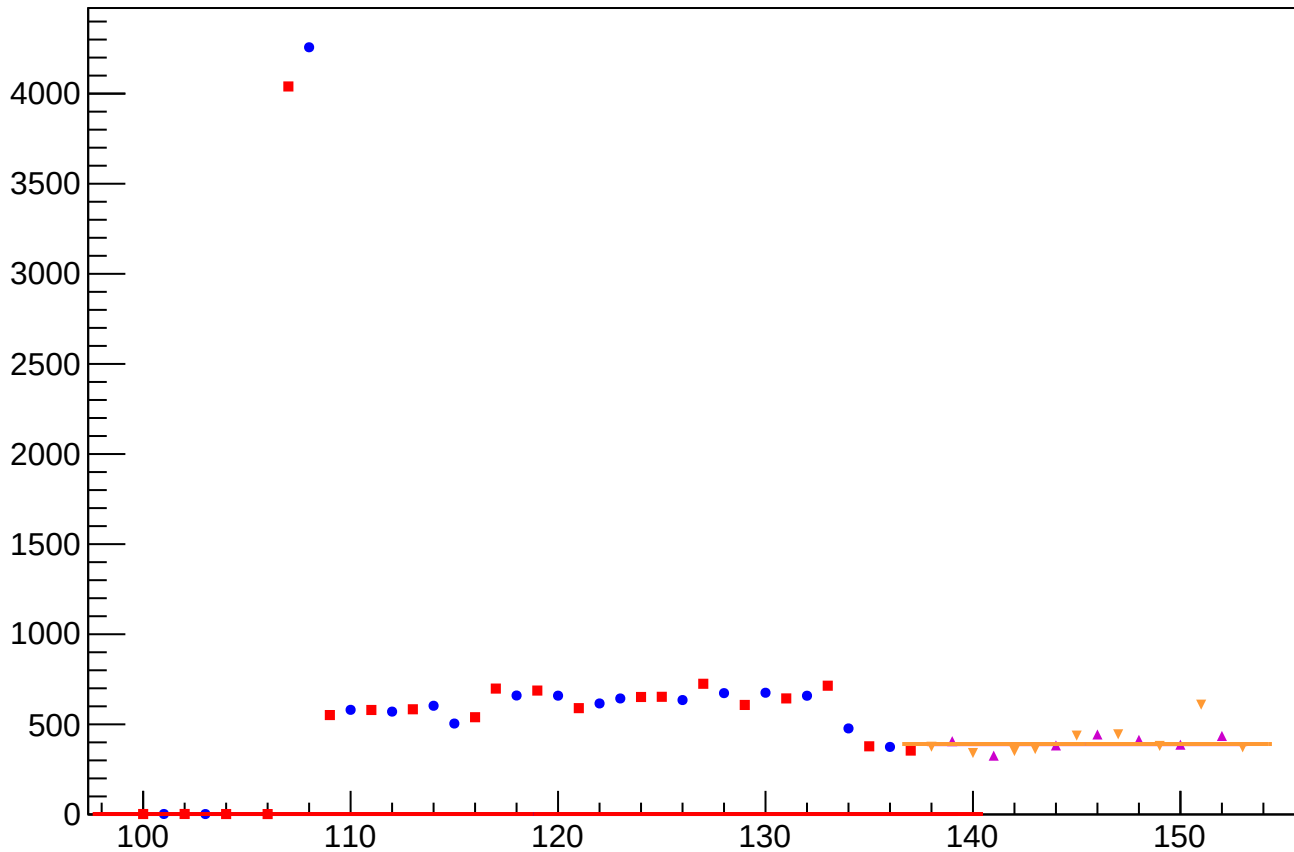
Left In: 141.284 $\pm$ 166.508 χ^2/NDF : 4.2/6

-1.588 $\pm$ 2.251 χ^2/NDF : 31.0/25

-0.341 $\pm$ 1.540 χ^2/NDF : 57.0/52

0.756 $\pm$ 2.111 χ^2/NDF : 25.4/26

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 390.893+/-0.110 χ^2/NDF : 299876.5/8

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

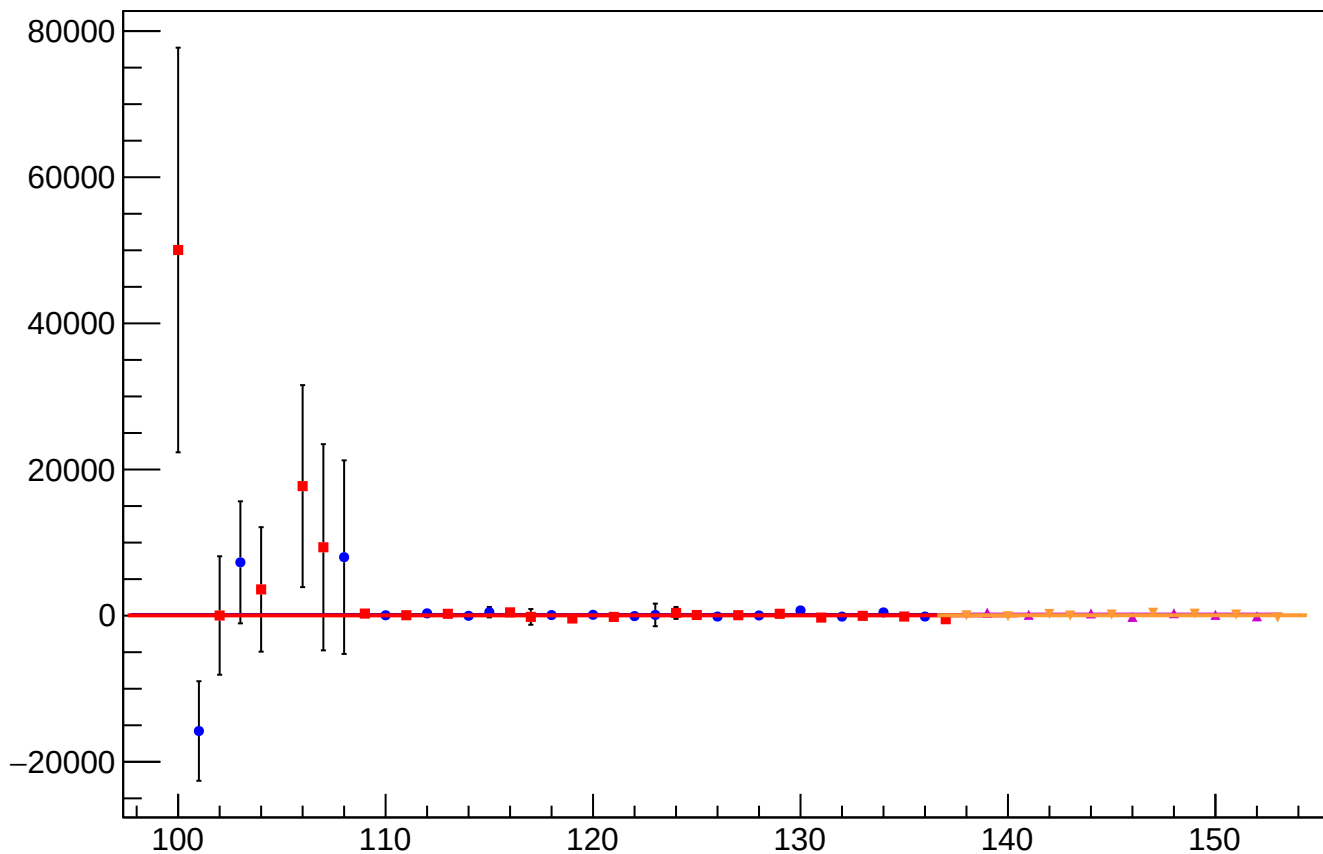
Left In: 390.232+/-0.118 χ^2/NDF : 110972.5/6

2.538+/-0.002 χ^2/NDF : 23537906.8/25

2.517+/-0.001 χ^2/NDF : 45721860.2/52

2.499+/-0.001 χ^2/NDF : 22183640.0/26

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 54.603+/-105.337 χ^2/NDF : 3.5/8

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

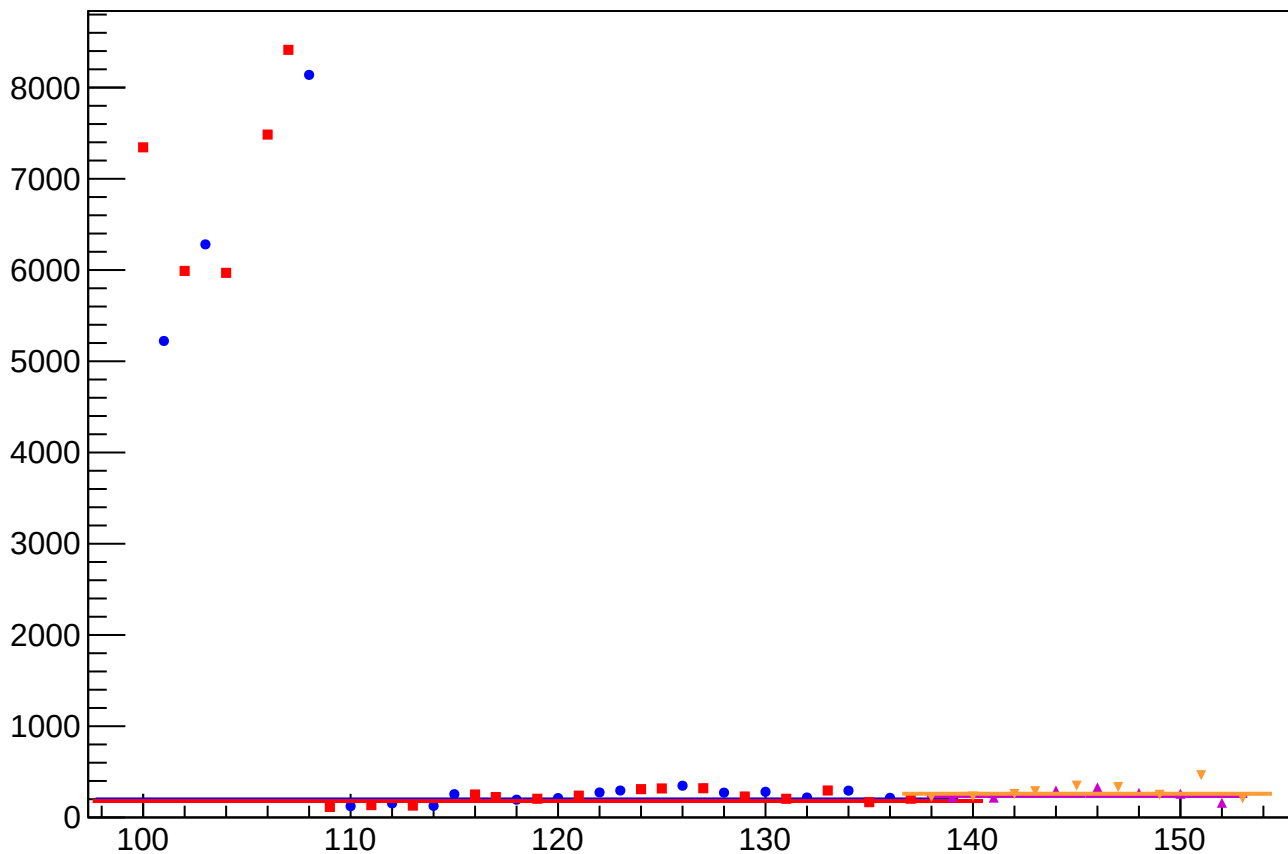
Left In: 146.161+/-104.524 χ^2/NDF : 3.6/6

77.783+/-69.167 χ^2/NDF : 15.6/25

80.340+/-47.602 χ^2/NDF : 33.8/52

82.641+/-65.612 χ^2/NDF : 18.2/26

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 259.973+/-0.074 χ^2/NDF : 642721.3/8

Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

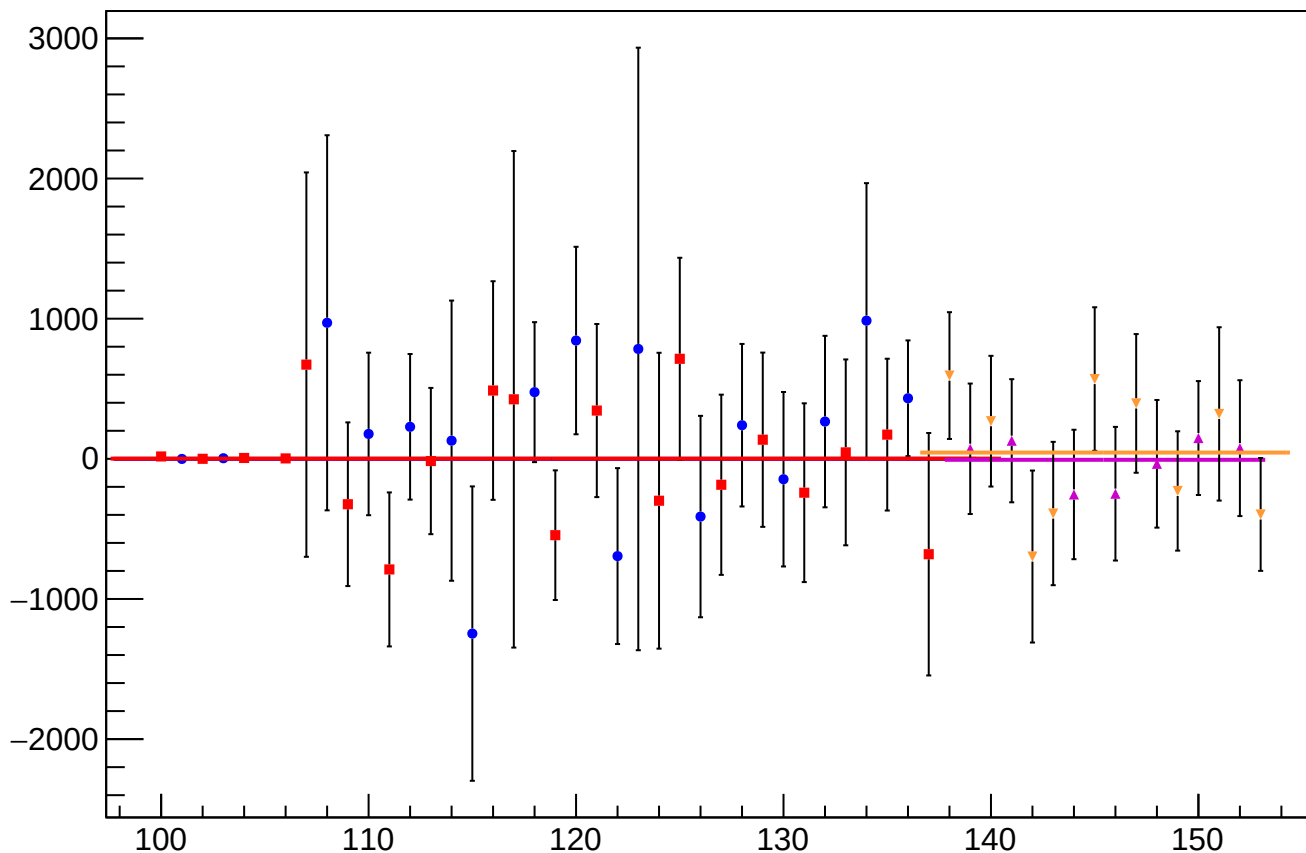
Left In: 235.583+/-0.074 χ^2/NDF : 468595.8/6

224.392+/-0.049 χ^2/NDF : 4739742.4/25

212.634+/-0.034 χ^2/NDF : 9982448.6/52

202.054+/-0.046 χ^2/NDF : 5132907.2/26

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 44.650 ± 161.878 χ^2/NDF : 7.3/8

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.6/19

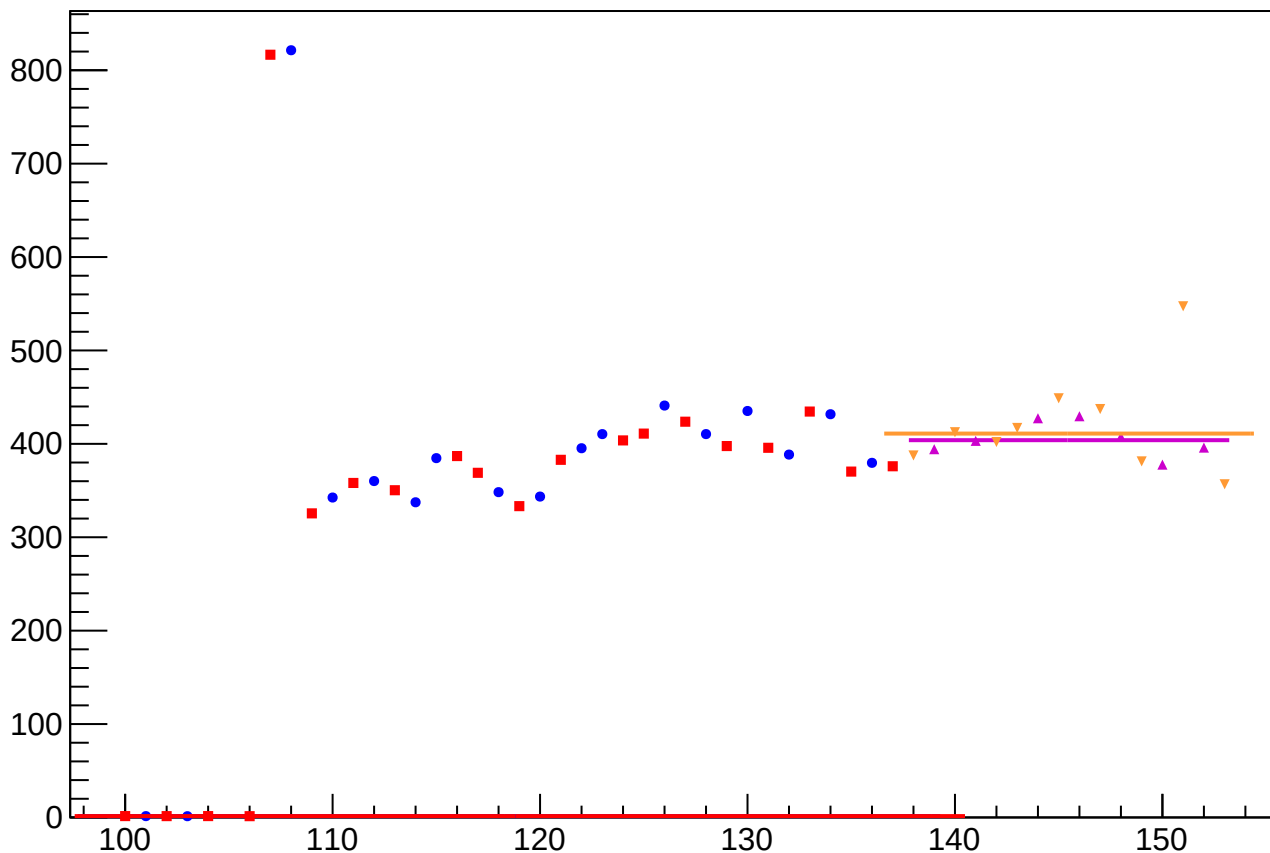
Left In: -7.022 ± 171.459 χ^2/NDF : 0.8/6

-0.134 ± 1.737 χ^2/NDF : 17.1/25

0.644 ± 1.186 χ^2/NDF : 27.9/52

1.323 ± 1.622 χ^2/NDF : 10.4/26

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 410.994+/-0.114 χ^2/NDF :165848.2/8

Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

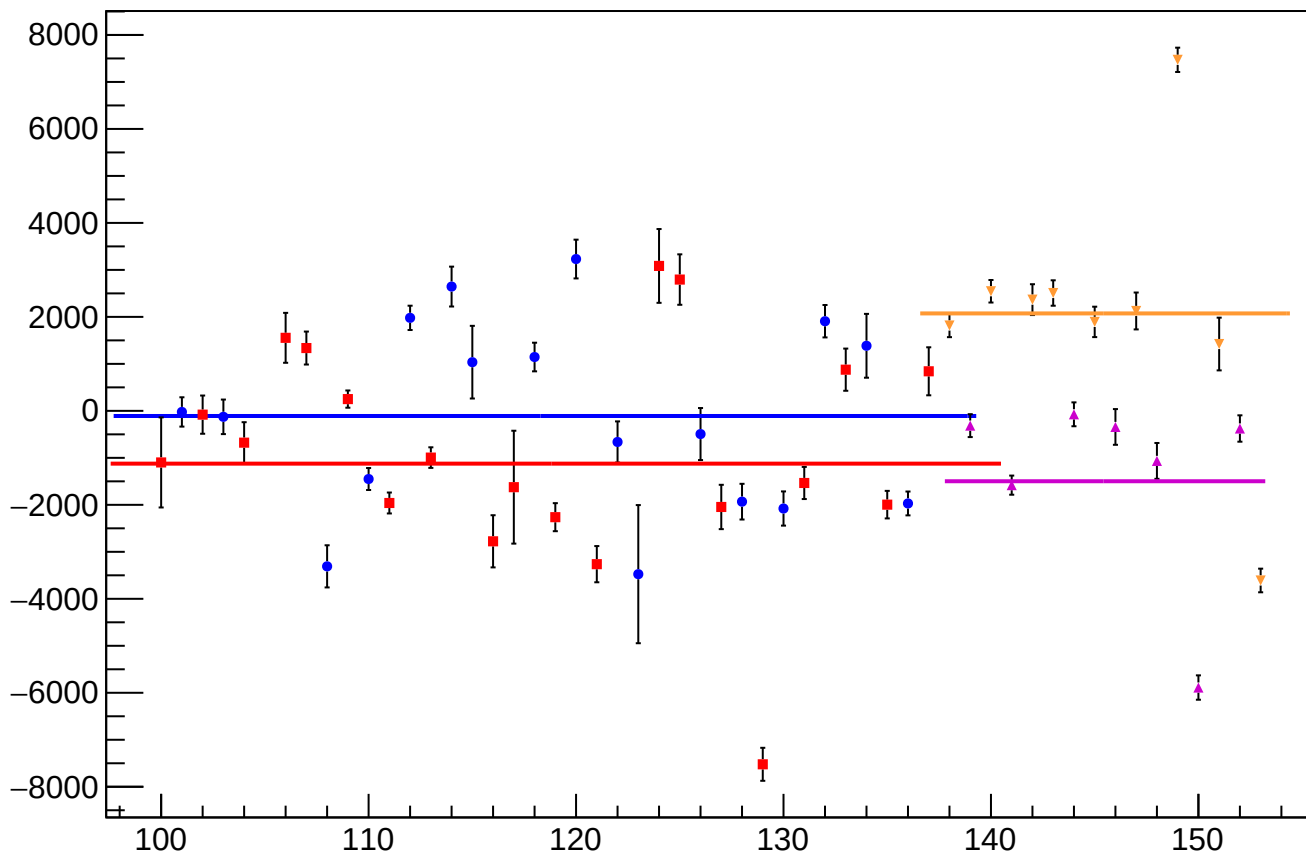
Left In: 403.922+/-0.121 χ^2/NDF :20760.6/6

1.499+/-0.001 χ^2/NDF : 23781471.0/25

1.493+/-0.001 χ^2/NDF : 45780772.9/52

1.487+/-0.001 χ^2/NDF : 21999251.3/26

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 2073.624 ± 96.862 $\chi^2/\text{NDF}: 955.9/8$

Right Out: -1123.337 ± 78.230 $\chi^2/\text{NDF}: 670.2/19$

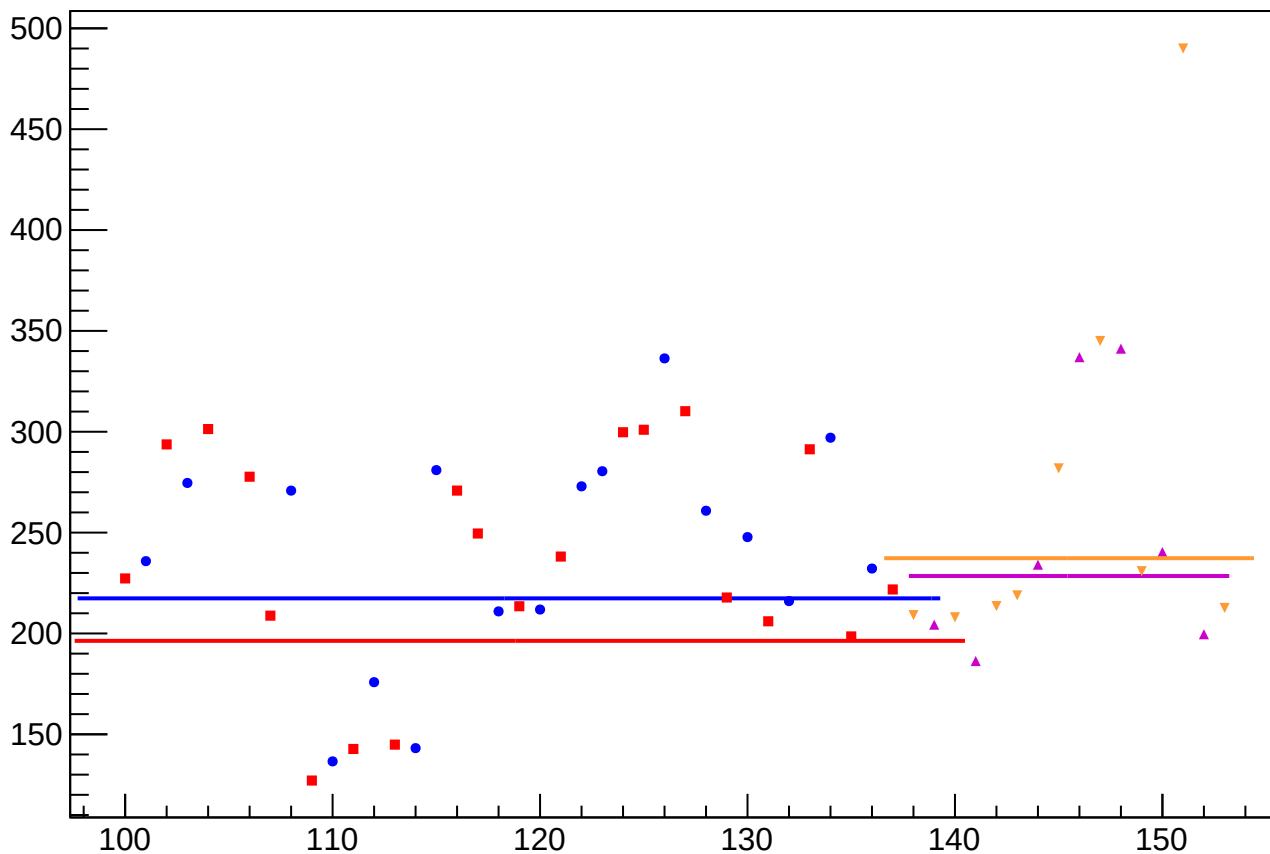
Left In: -1497.953 ± 101.129 $\chi^2/\text{NDF}: 368.1/6$

877.324 ± 65.118 $\chi^2/\text{NDF}: 1662.6/25$

-247.733 ± 44.856 $\chi^2/\text{NDF}: 3277.5/52$

-1263.584 ± 61.877 $\chi^2/\text{NDF}: 1046.9/26$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 +/- 0.062 χ^2/NDF : 652632.9/16

Left Out: 237.315 +/- 0.068 χ^2/NDF : 690292.7/8

Right Out: 196.339 +/- 0.055 χ^2/NDF : 1194805.7/19

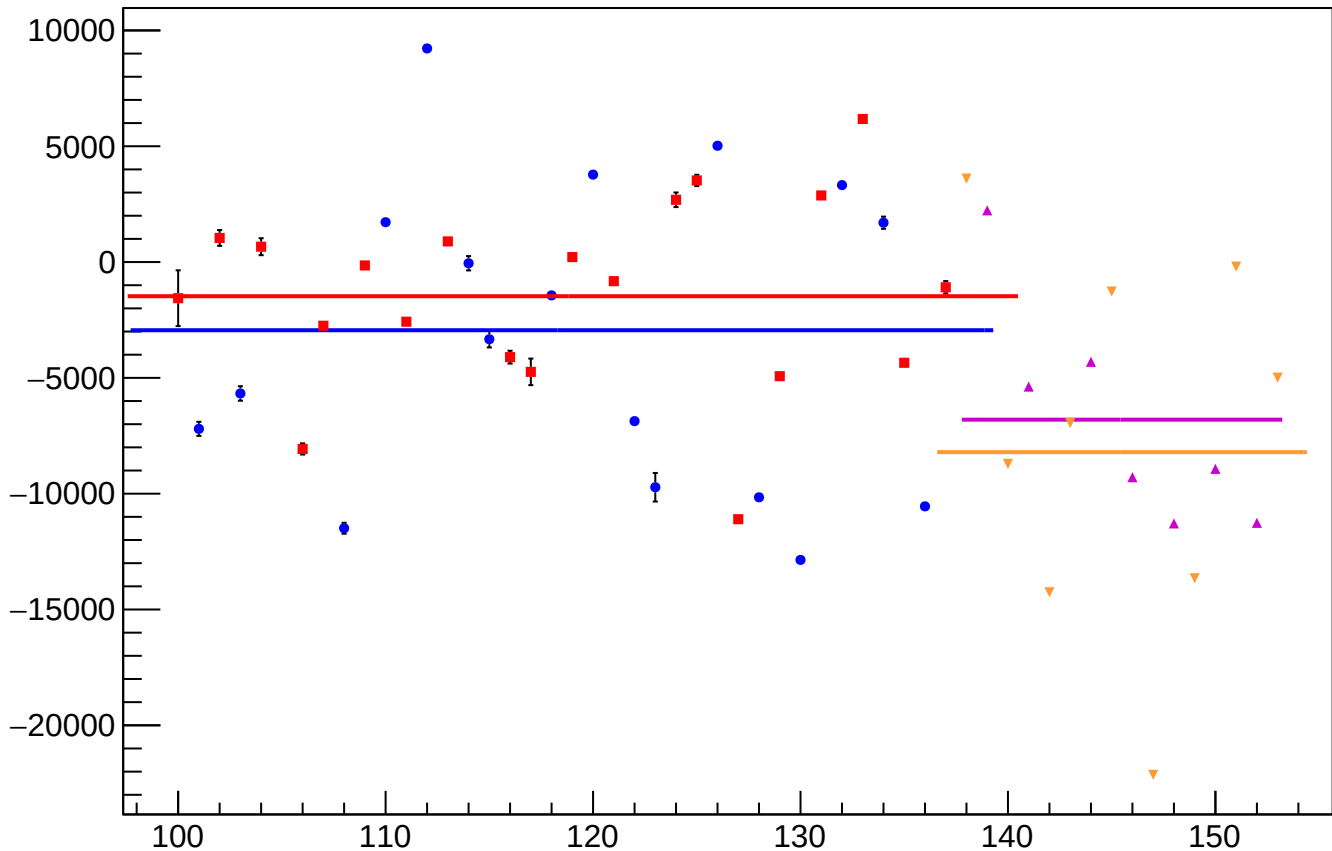
Left In: 228.482 +/- 0.072 χ^2/NDF : 469054.2/6

226.402 +/- 0.046 χ^2/NDF : 1389248.2/25

216.927 +/- 0.032 χ^2/NDF : 3260088.5/52

208.372 +/- 0.044 χ^2/NDF : 1790266.9/26

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -8206.540 ± 47.729 $\chi^2/\text{NDF}: 26871.4/8$

Right Out: -1474.497 ± 46.252 $\chi^2/\text{NDF}: 8028.6/19$

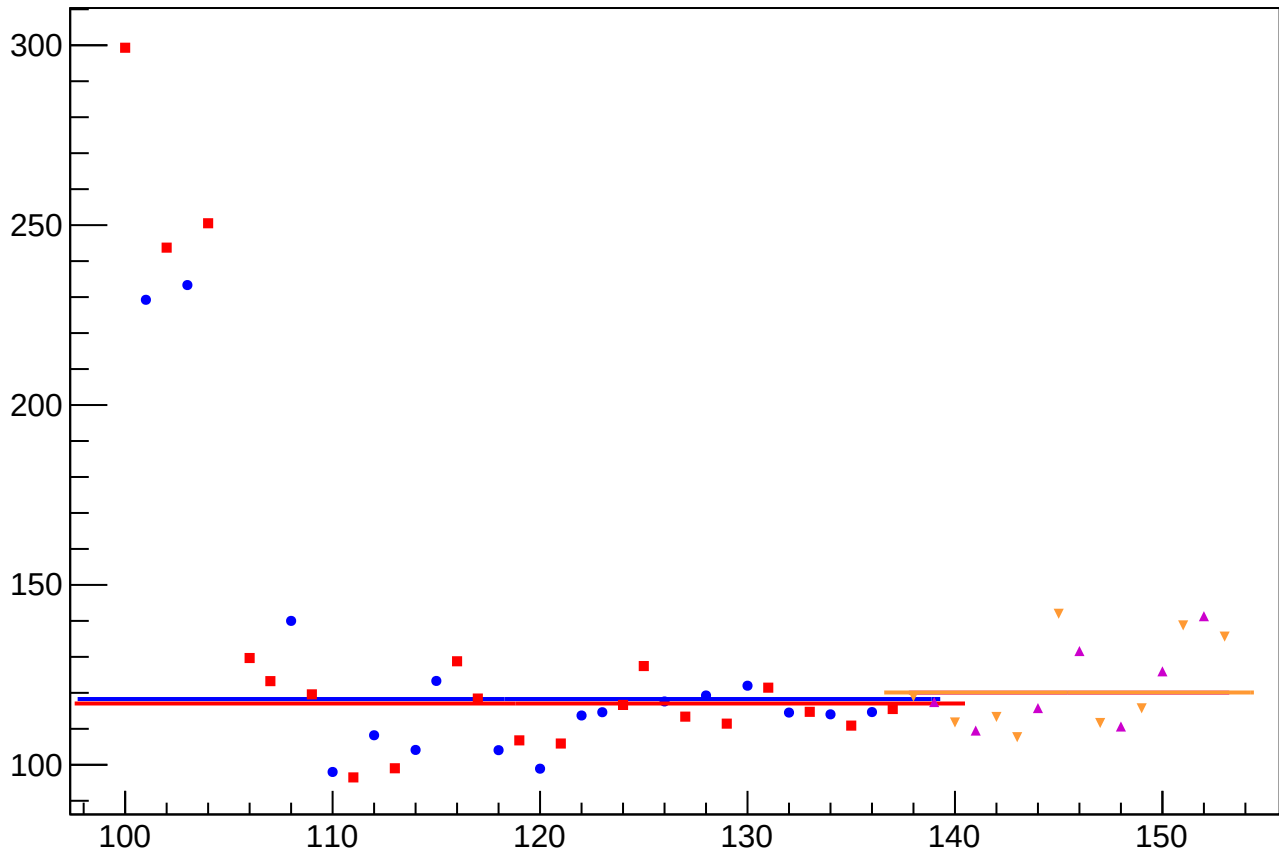
Left In: -6804.319 ± 50.930 $\chi^2/\text{NDF}: 7213.9/6$

-5623.082 ± 34.057 $\chi^2/\text{NDF}: 53750.2/25$

-4757.921 ± 24.147 $\chi^2/\text{NDF}: 76292.0/52$

-3883.465 ± 34.240 $\chi^2/\text{NDF}: 21244.2/26$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286 $\pm$ 0.034 χ^2/NDF : 636918.0/16

Left Out: 120.100 $\pm$ 0.034 χ^2/NDF : 124341.2/8

Right Out: 117.040 $\pm$ 0.033 χ^2/NDF : 690873.1/19

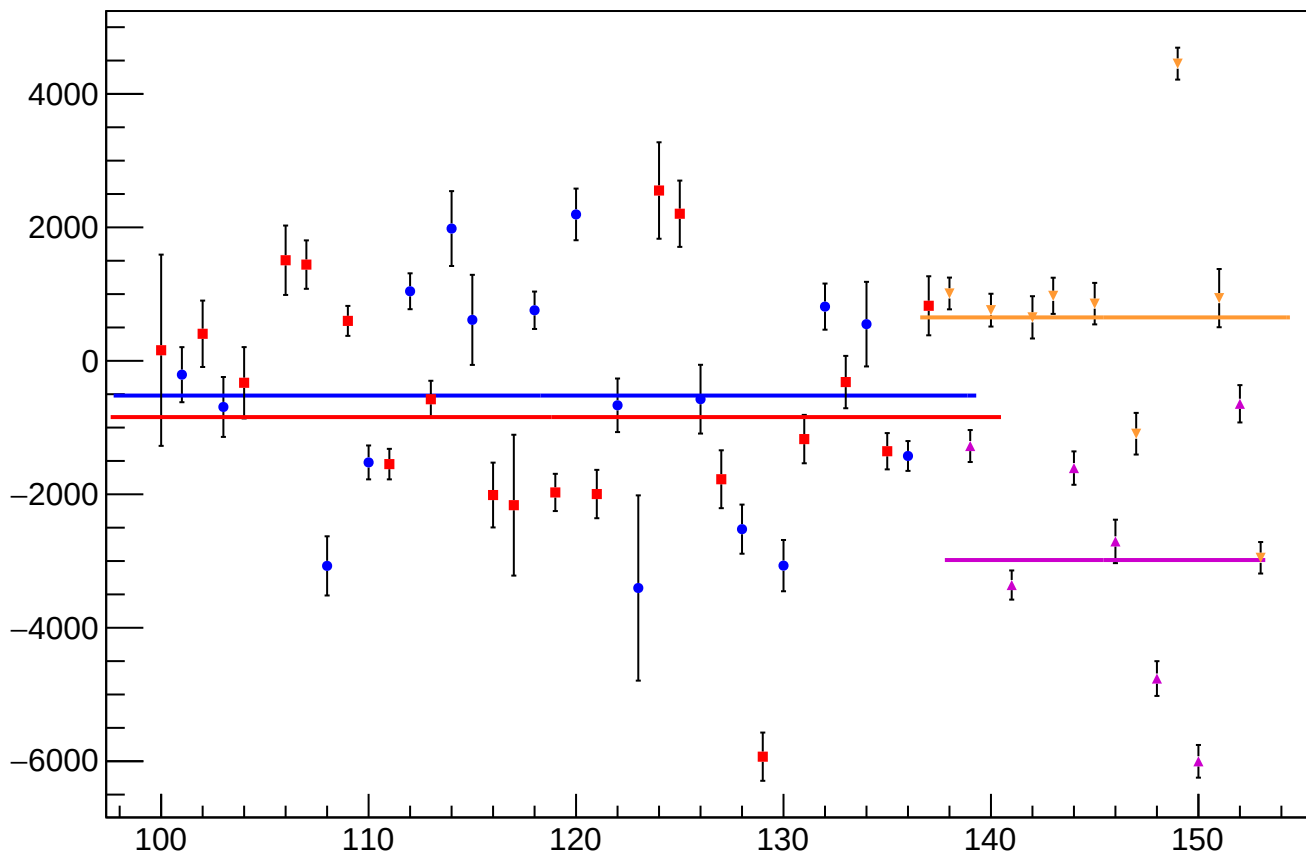
Left In: 120.050 $\pm$ 0.036 χ^2/NDF : 82772.9/6

119.210 $\pm$ 0.024 χ^2/NDF : 762678.7/25

118.807 $\pm$ 0.017 χ^2/NDF : 1540712.7/52

118.401 $\pm$ 0.024 χ^2/NDF : 777472.7/26

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 651.018 ± 91.652 $\chi^2/\text{NDF}: 521.5/8$

Right Out: -842.858 ± 82.024 $\chi^2/\text{NDF}: 436.3/19$

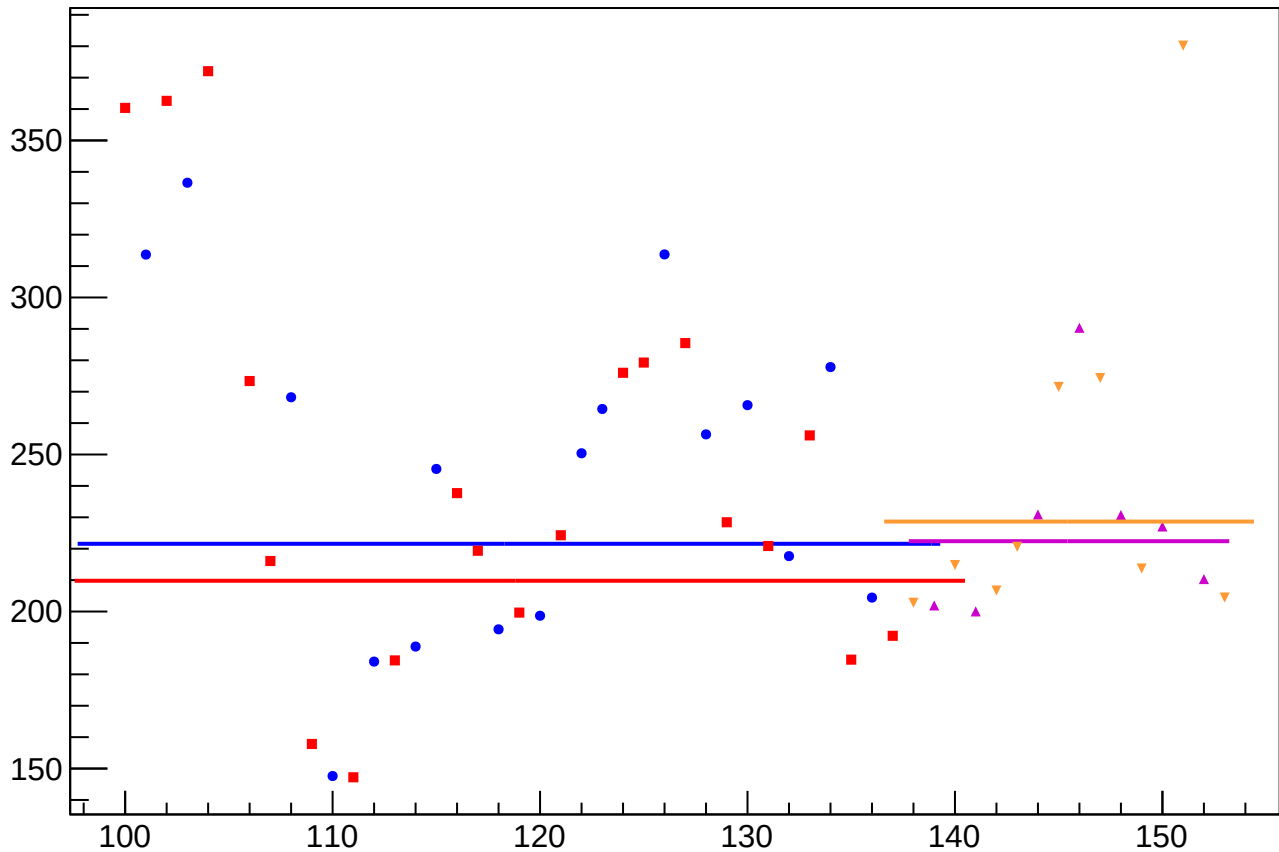
Left In: -2984.906 ± 96.253 $\chi^2/\text{NDF}: 352.9/6$

49.768 ± 63.938 $\chi^2/\text{NDF}: 893.5/25$

-868.515 ± 44.669 $\chi^2/\text{NDF}: 2372.5/52$

-1744.004 ± 62.431 $\chi^2/\text{NDF}: 1076.1/26$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 228.645 $\pm$ 0.065 χ^2 /NDF: 392354.8/8

Right Out: 209.794 $\pm$ 0.058 χ^2 /NDF: 884087.4/19

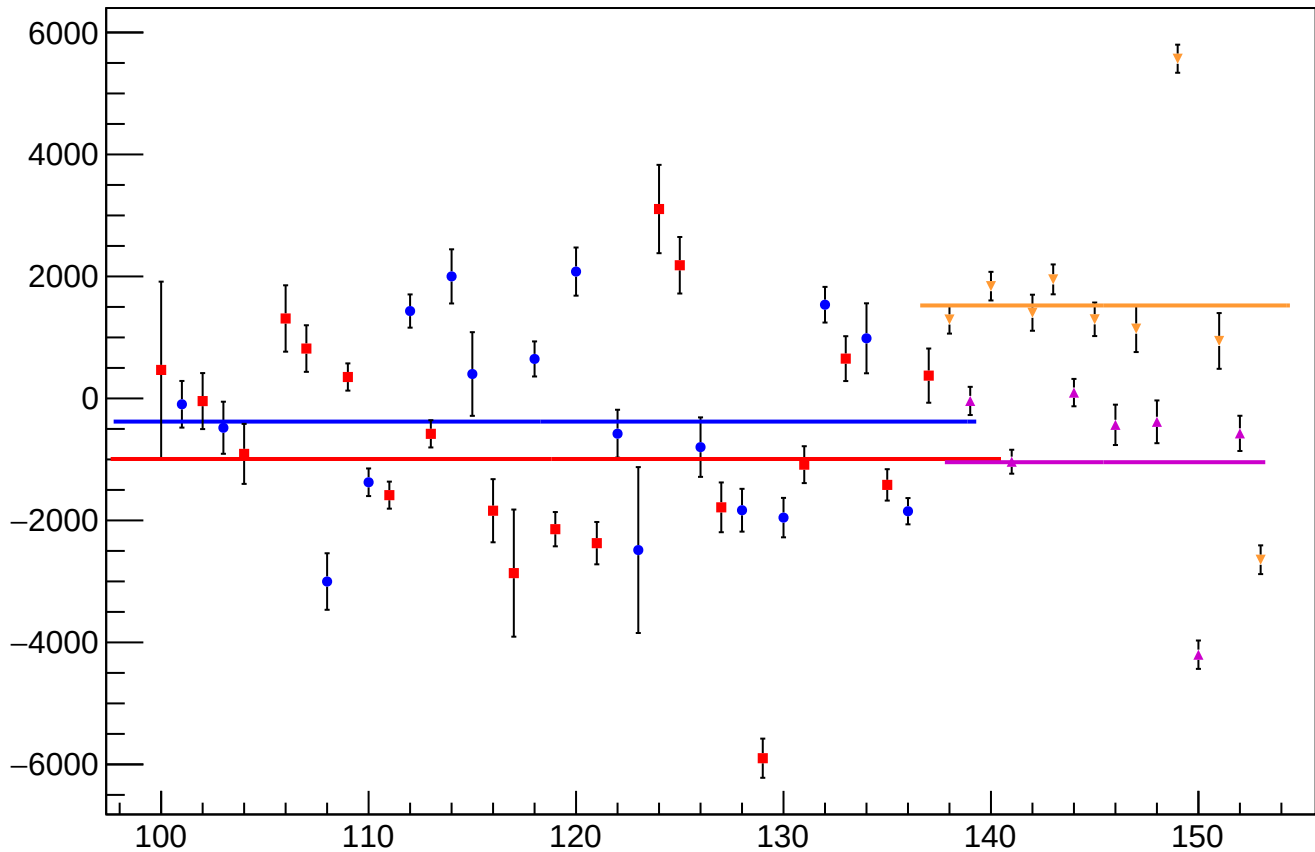
Left In: 222.398 $\pm$ 0.068 χ^2 /NDF: 131508.2/6

225.013 $\pm$ 0.045 χ^2 /NDF: 1043414.3/25

219.936 $\pm$ 0.032 χ^2 /NDF: 2103504.8/52

215.096 $\pm$ 0.044 χ^2 /NDF: 1035460.9/26

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1524.263 ± 88.858 χ^2/NDF : 630.8/8

Right Out: -992.944 ± 77.509 χ^2/NDF : 479.5/19

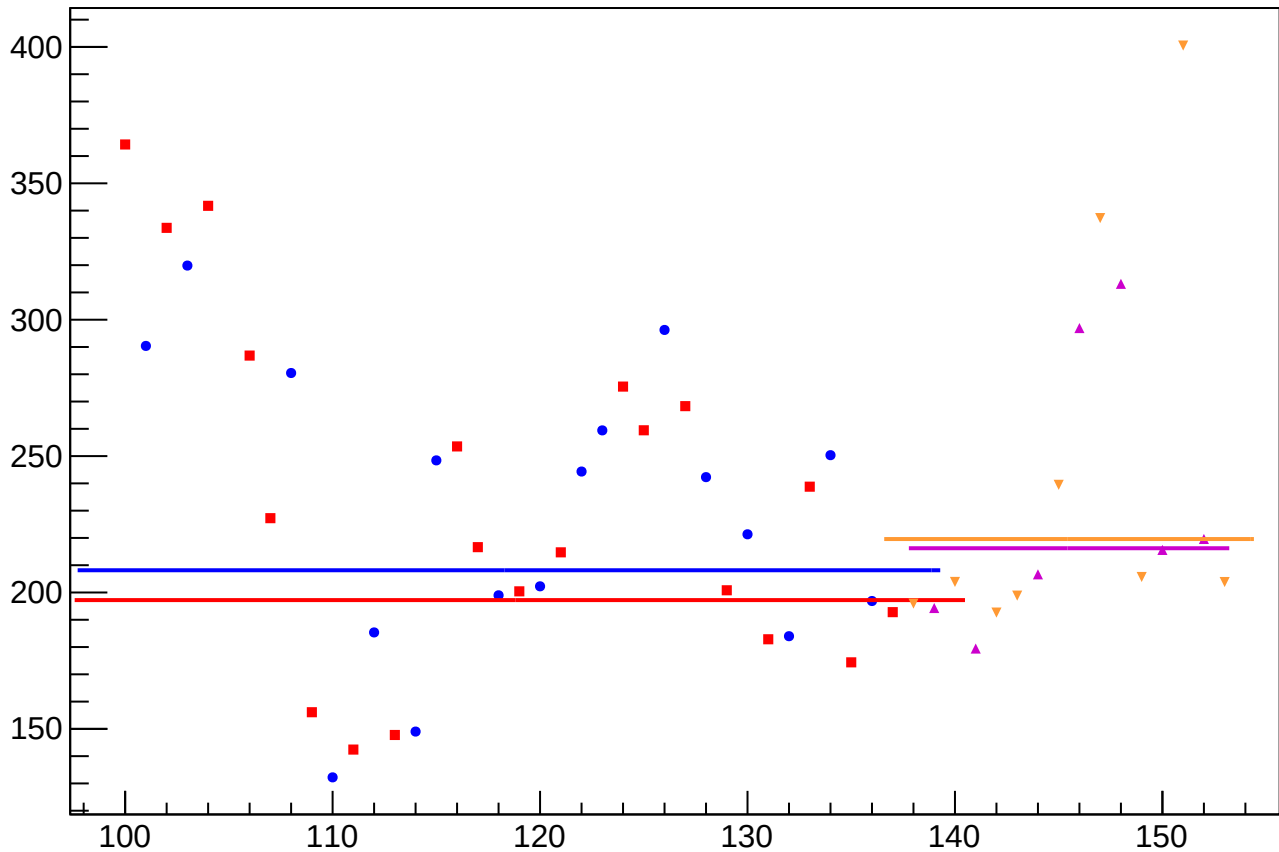
Left In: -1045.418 ± 94.361 χ^2/NDF : 238.5/6

521.773 ± 61.141 χ^2/NDF : 1189.7/25

-261.985 ± 42.786 χ^2/NDF : 2229.8/52

-1014.085 ± 59.894 χ^2/NDF : 718.1/26

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2/NDF : 699084.2/16

Left Out: 219.594 $\pm$ 0.063 χ^2/NDF : 589031.2/8

Right Out: 197.210 $\pm$ 0.055 χ^2/NDF : 927165.0/19

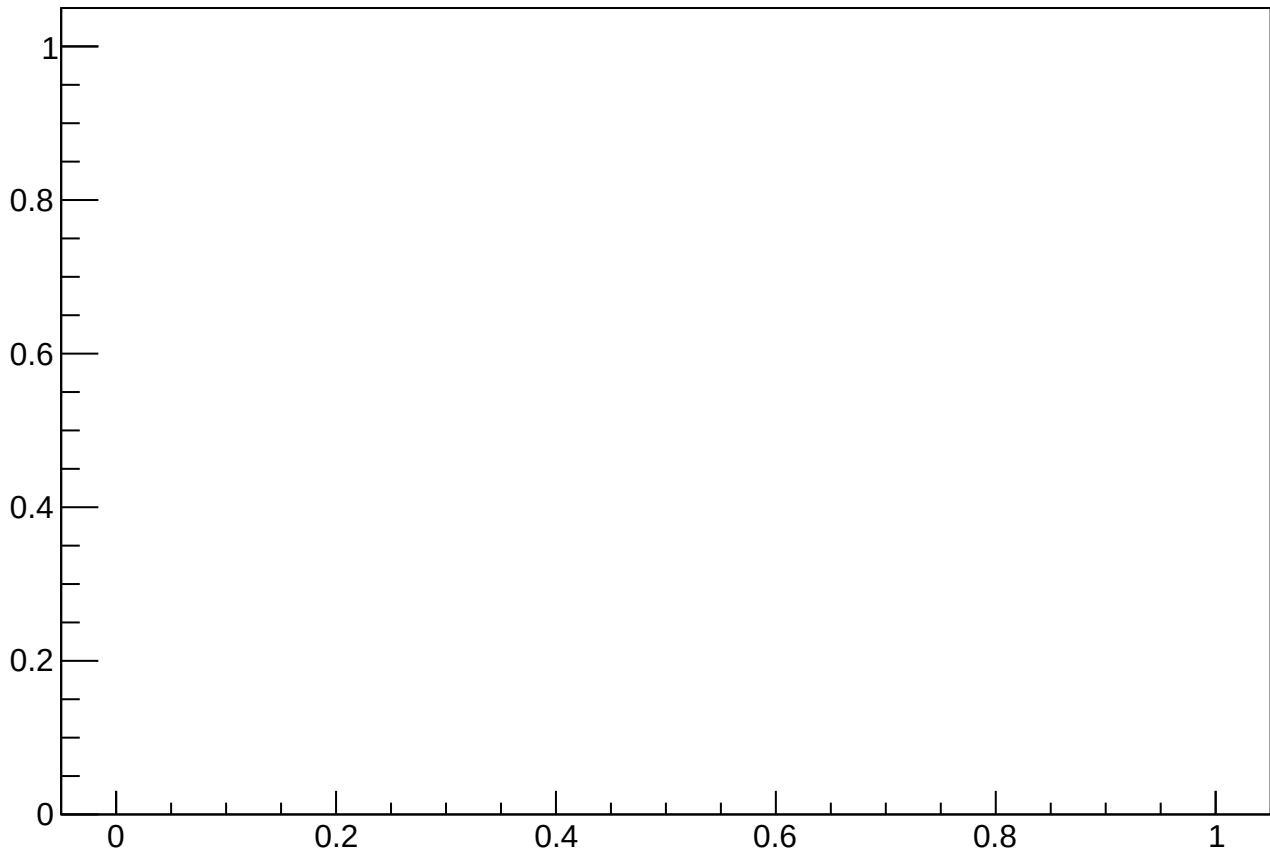
Left In: 216.222 $\pm$ 0.067 χ^2/NDF : 364082.5/6

213.569 $\pm$ 0.043 χ^2/NDF : 1305579.7/25

209.130 $\pm$ 0.030 χ^2/NDF : 2665963.0/52

204.870 $\pm$ 0.042 χ^2/NDF : 1339725.1/26

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

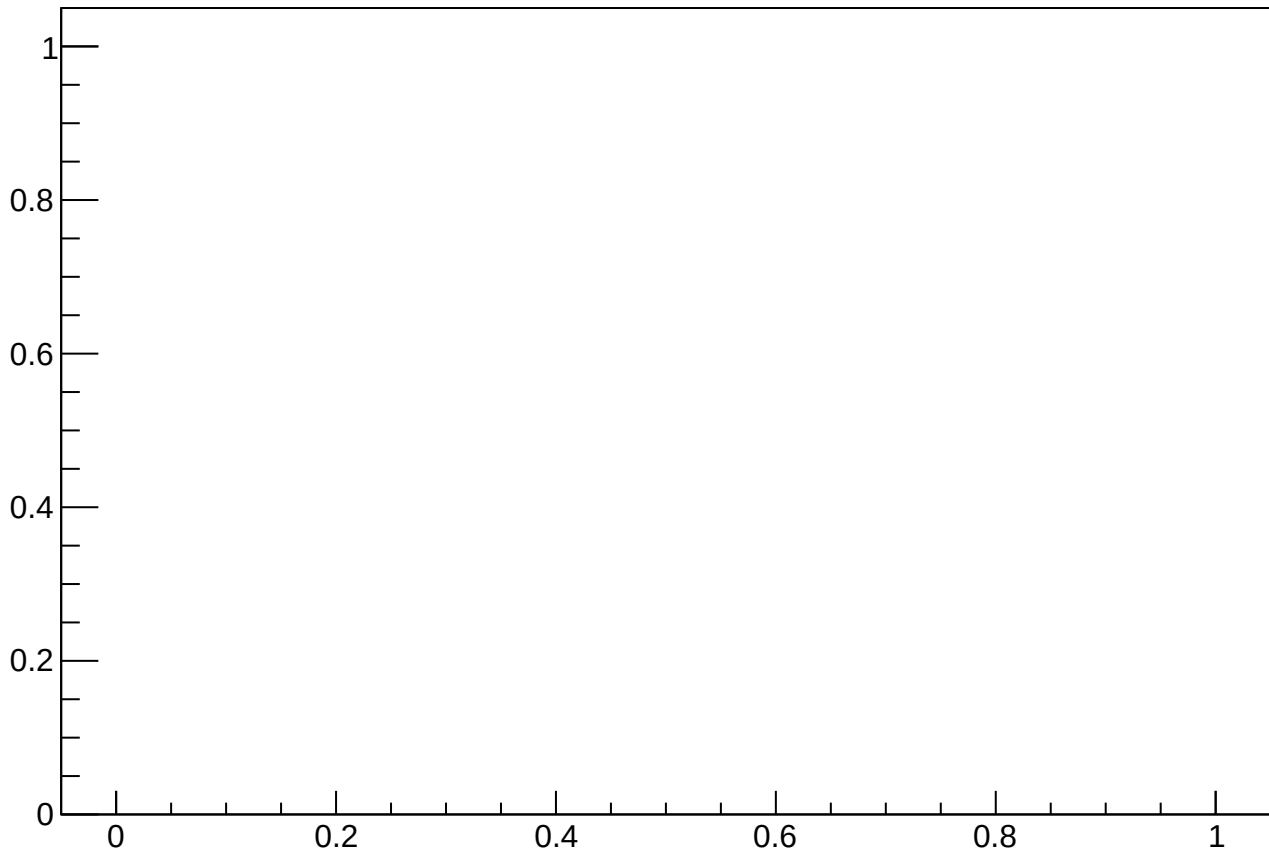
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

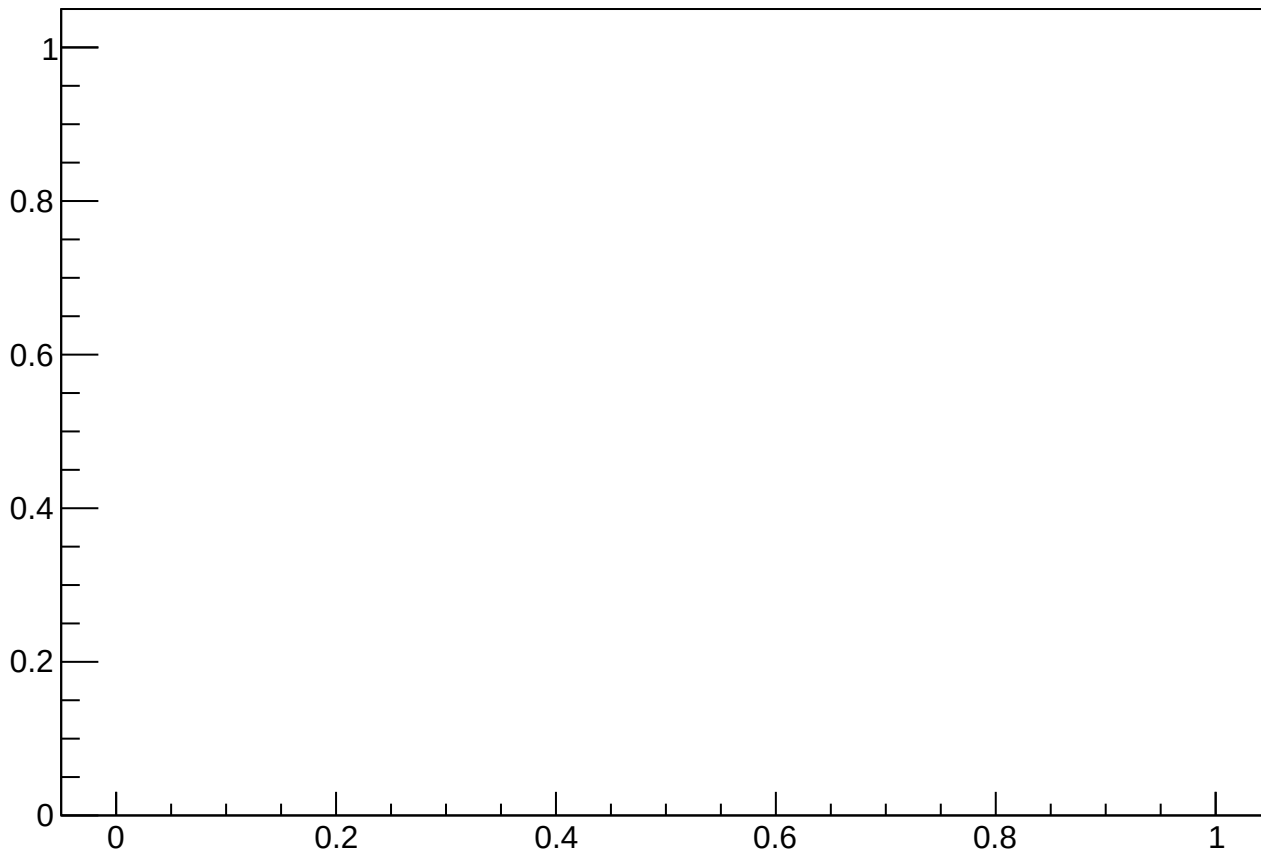
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

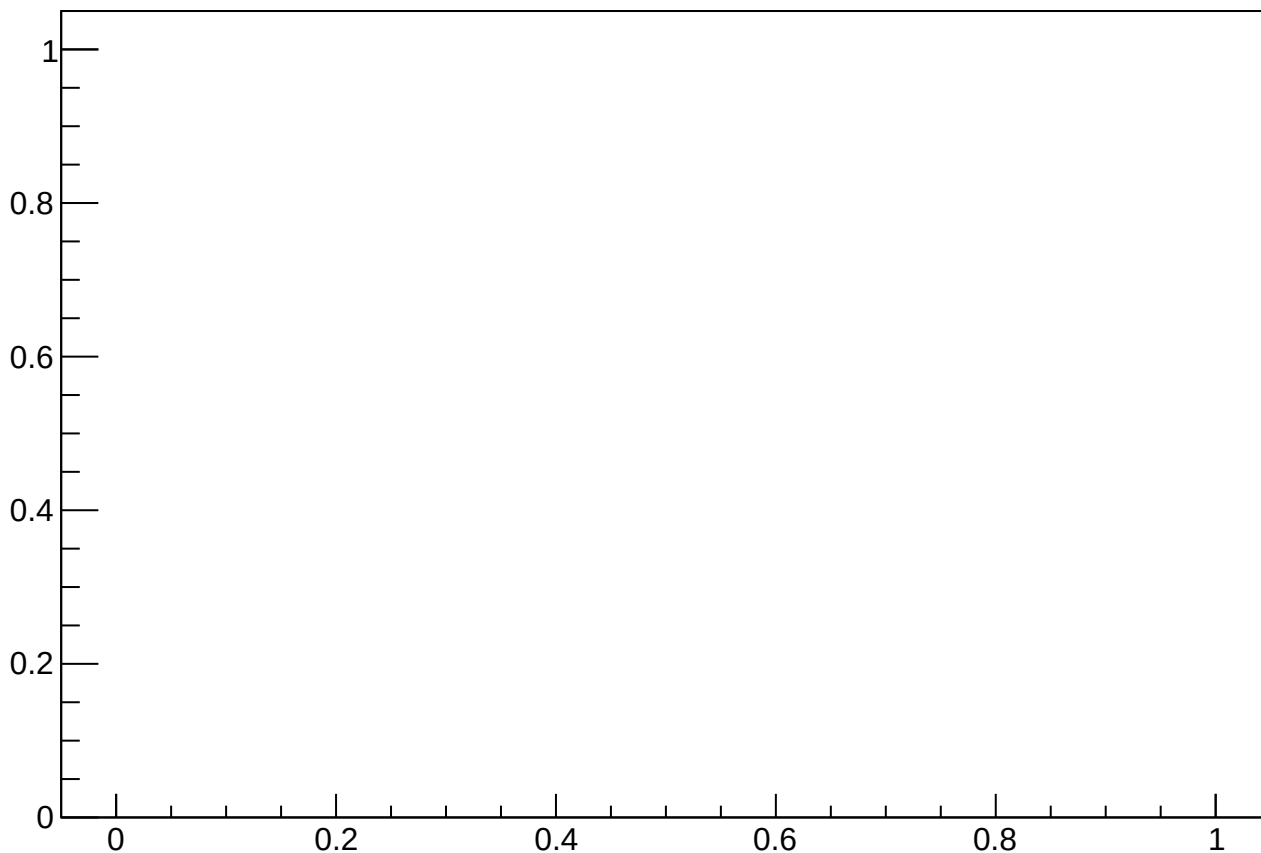
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

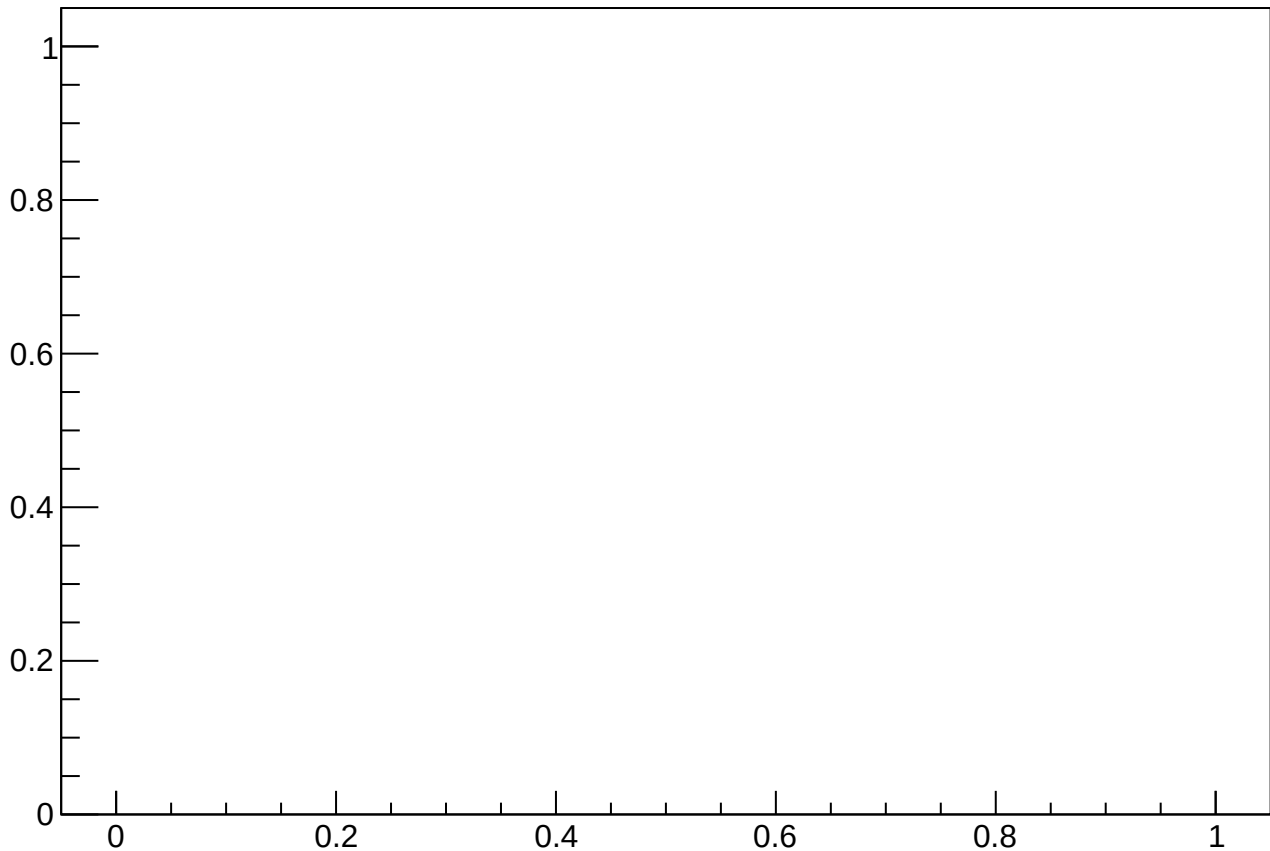
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

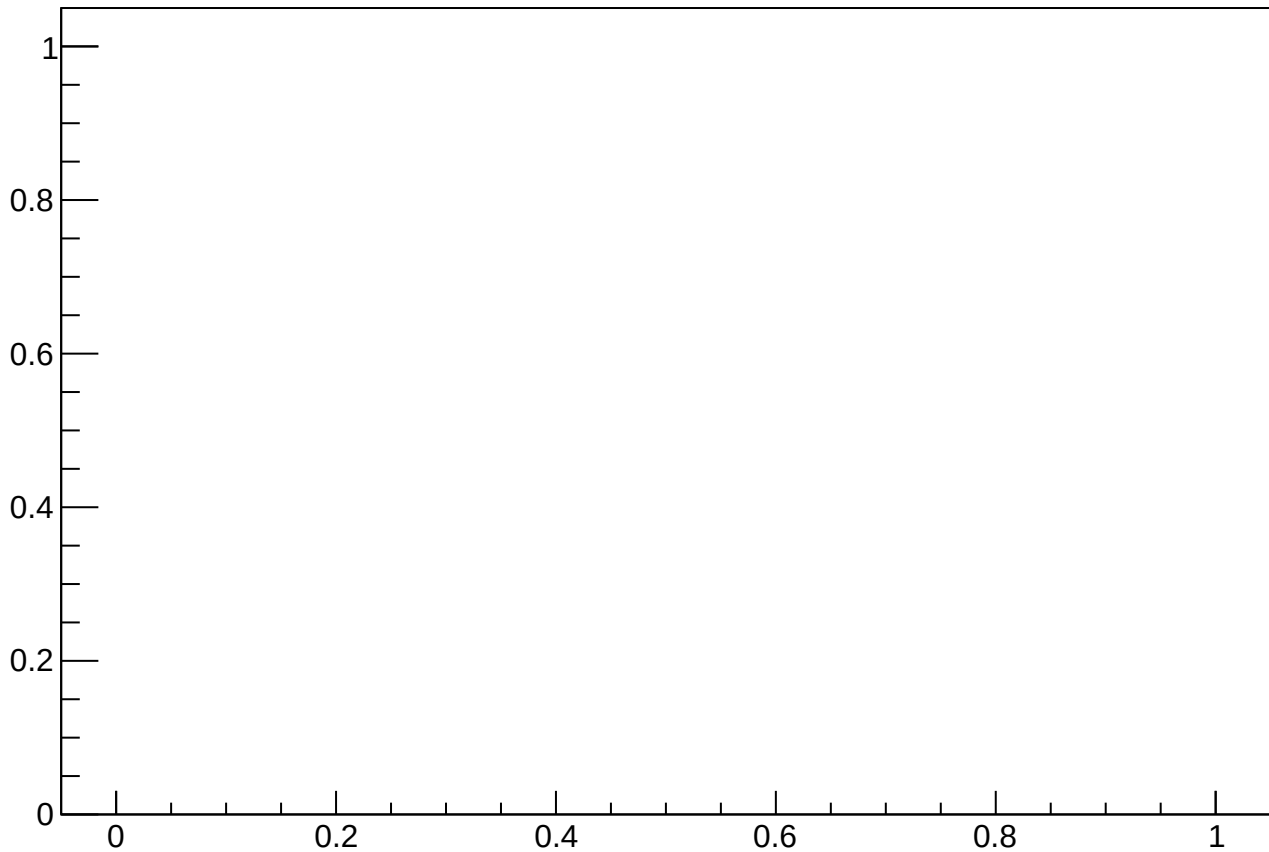
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

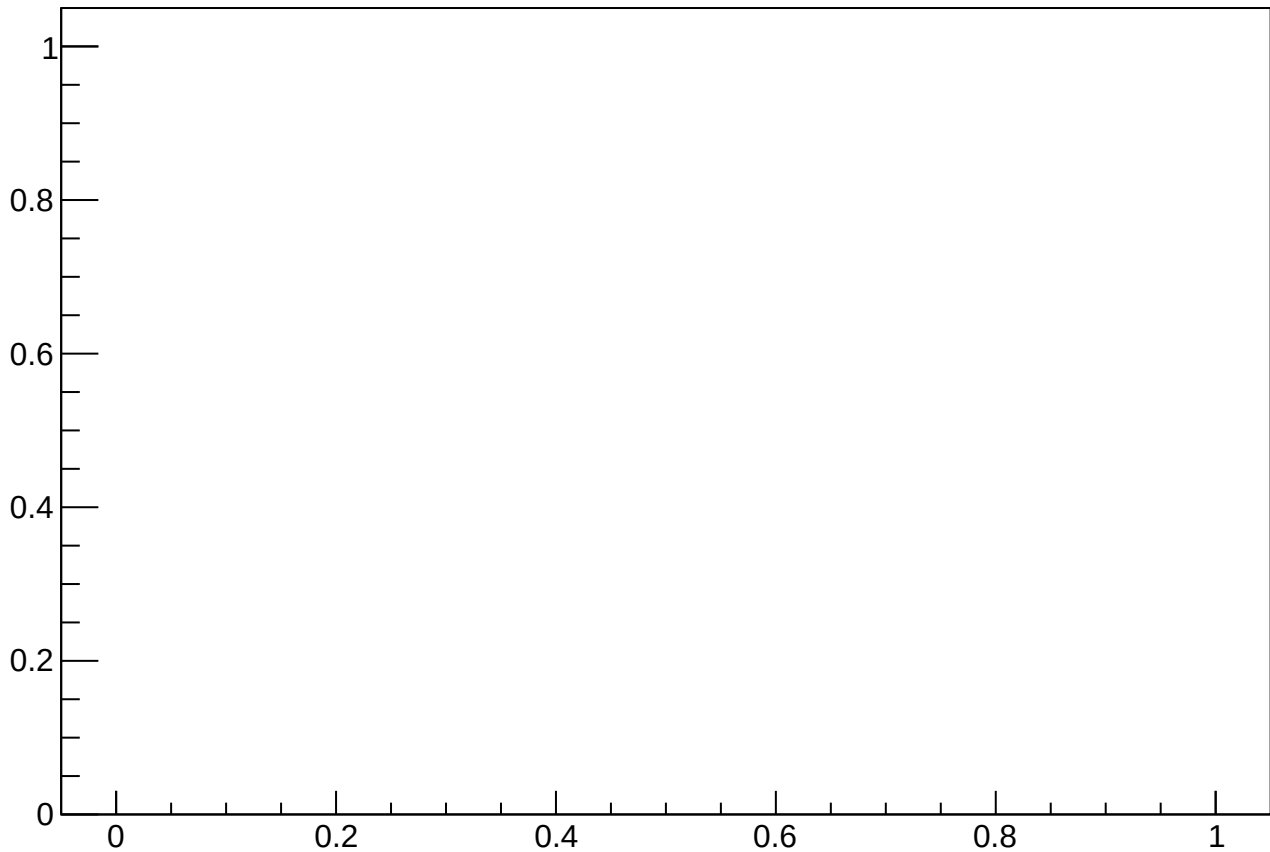
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0.000+/-0.000 χ^2/NDF : 0.0/0

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

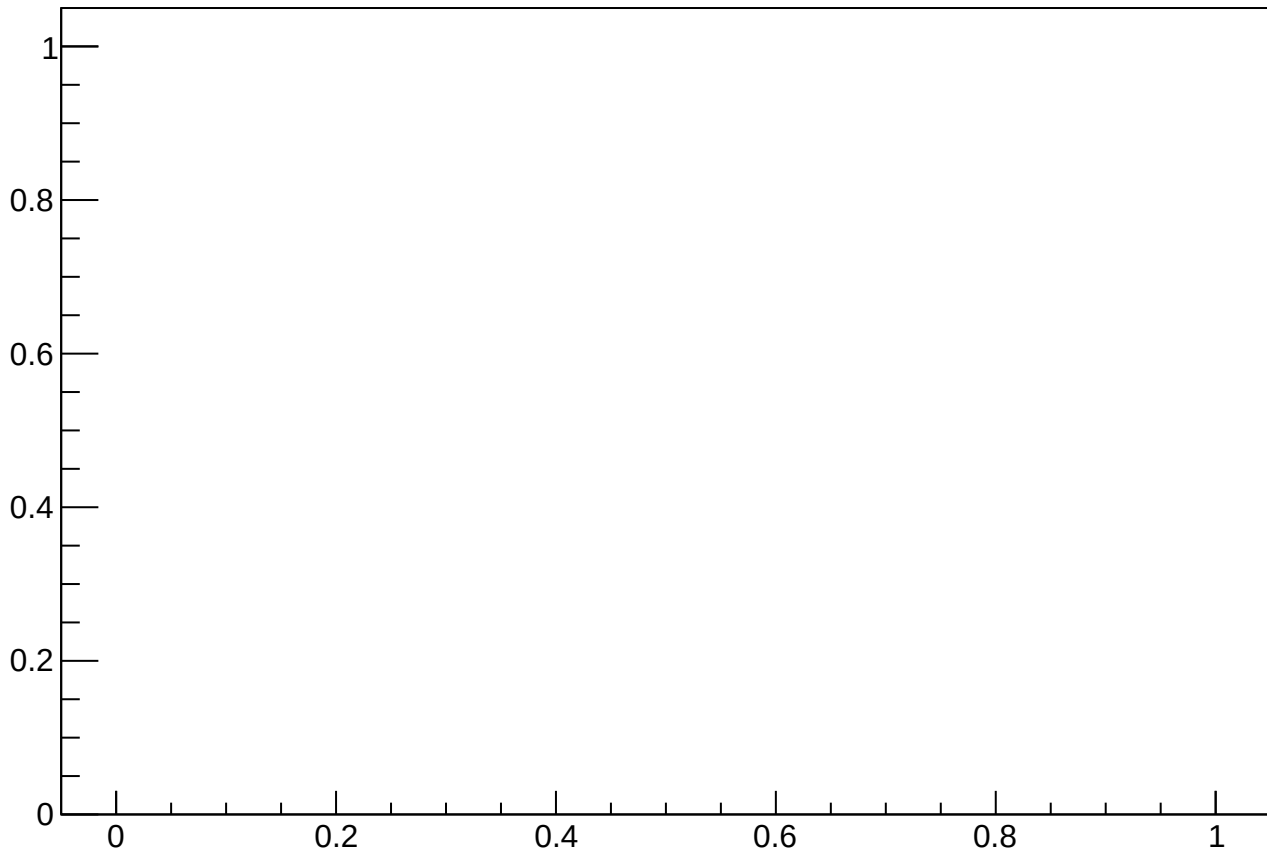
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

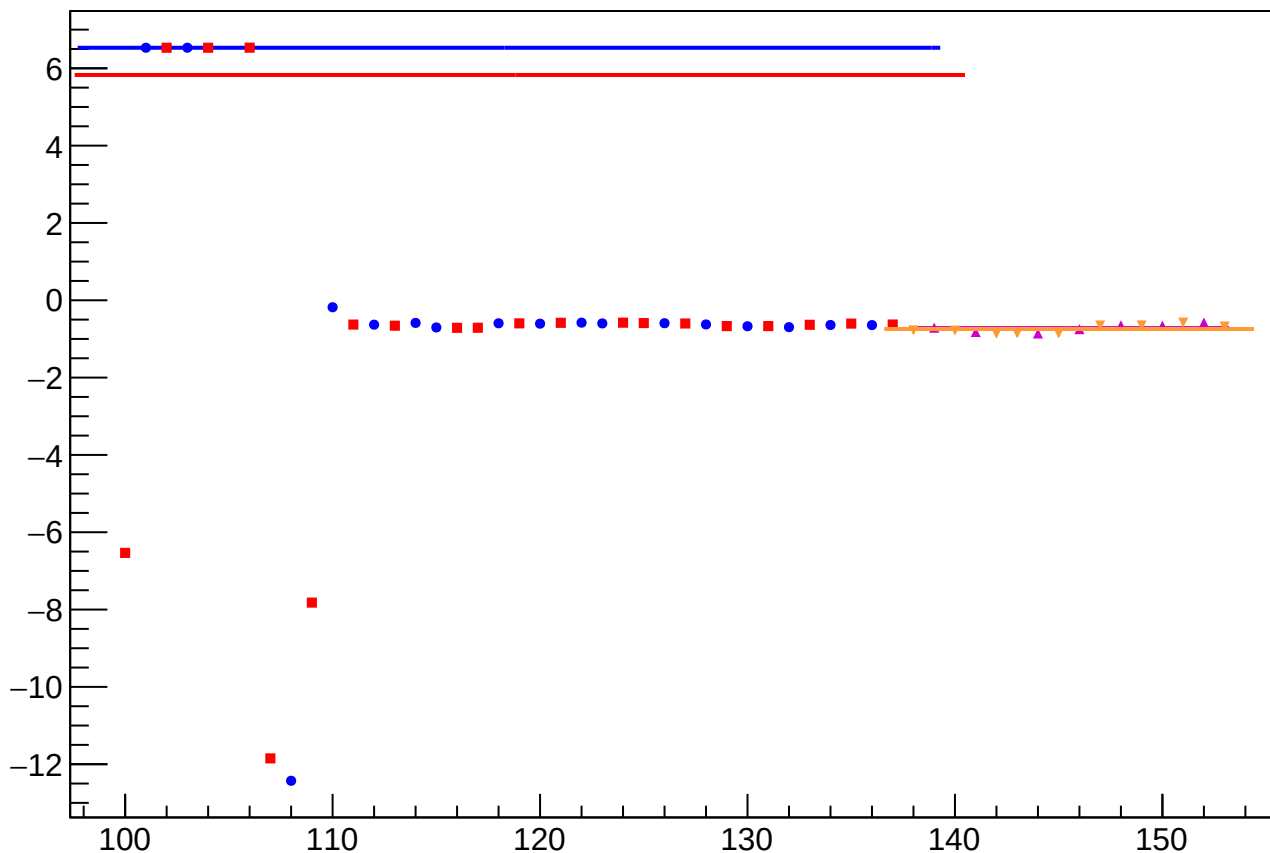
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -0.743+/-0.000 χ^2/NDF : 67147104.6/8

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

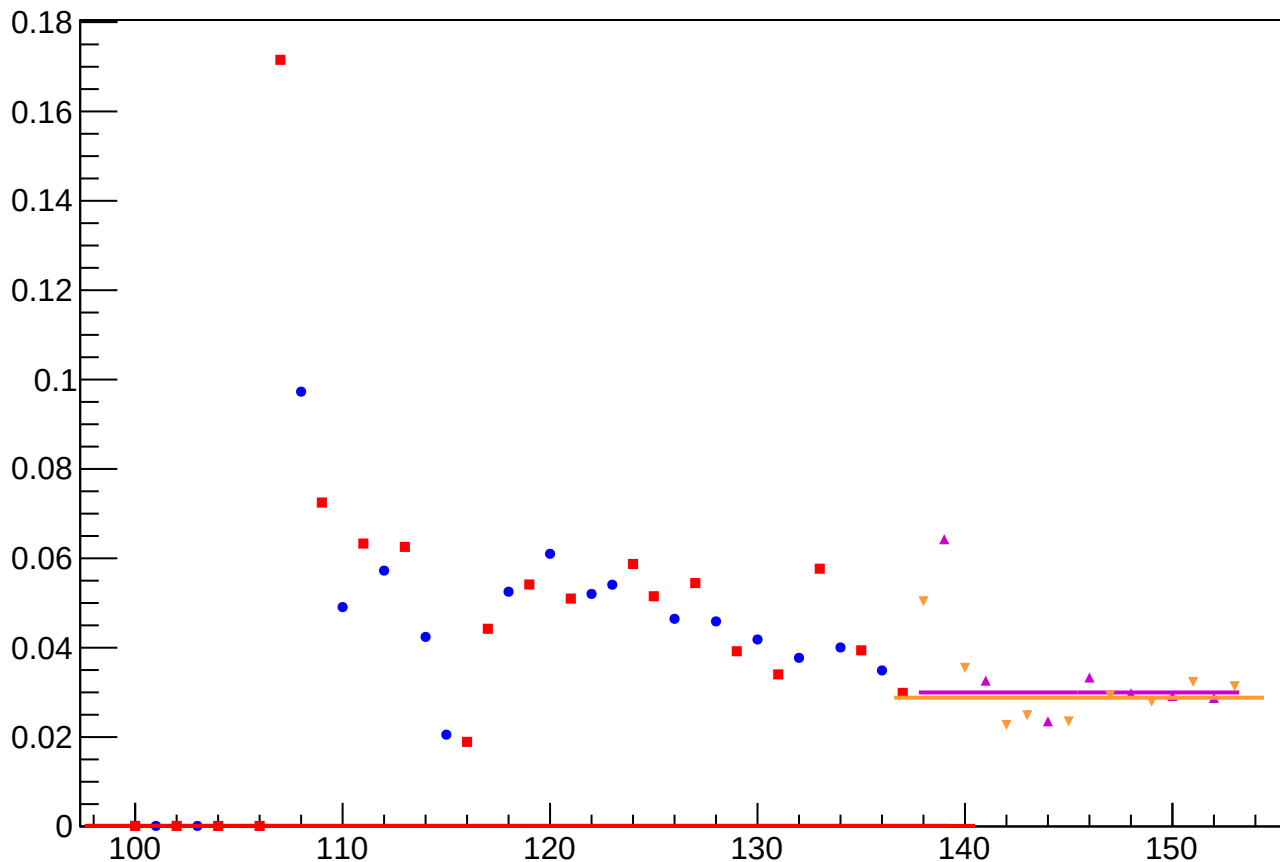
Left In: -0.719+/-0.000 χ^2/NDF : 52115268.0/6

6.531+/-0.000 χ^2/NDF : 443163748293.9/25

6.154+/-0.000 χ^2/NDF : 77660873548352

5.827+/-0.000 χ^2/NDF : 756171927160485.1/26

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF : 409326.0/8

Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

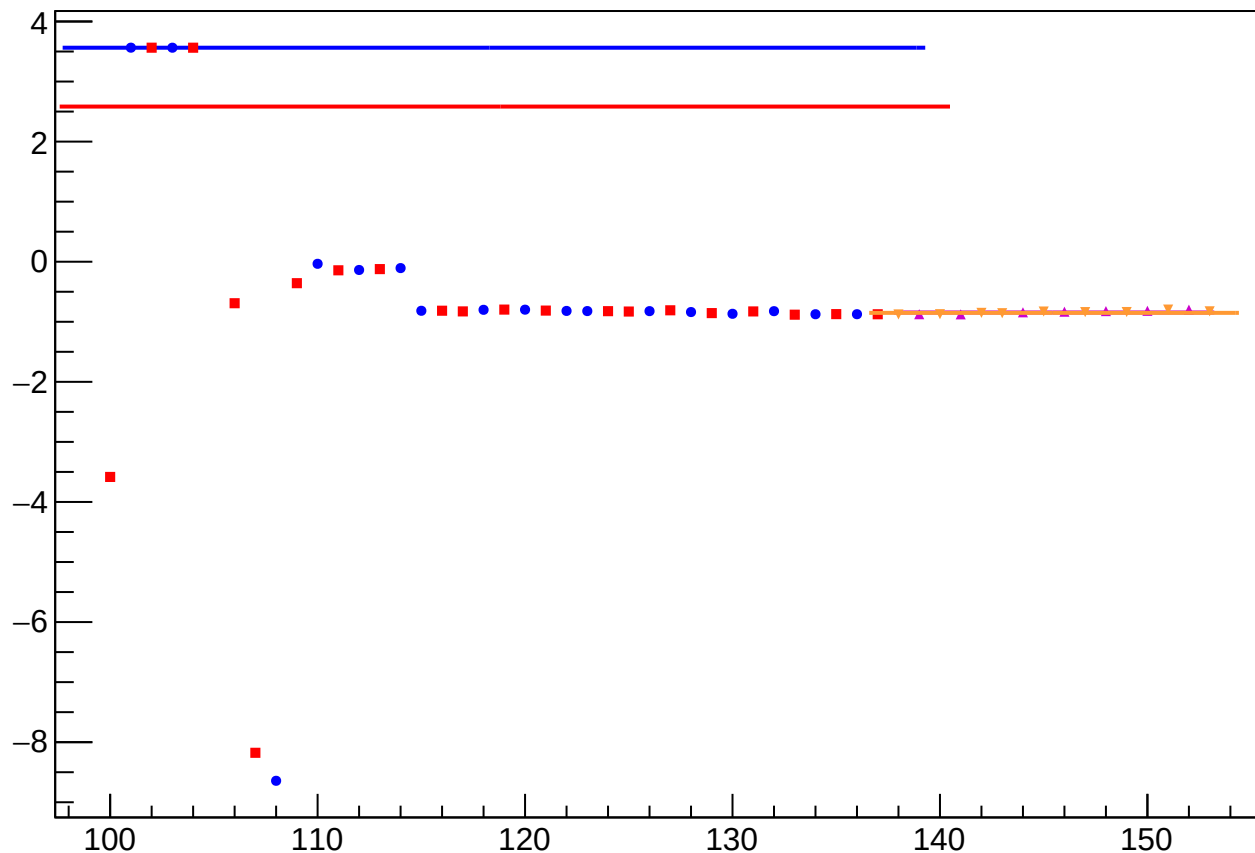
Left In: 0.030+/-0.000 χ^2/NDF : 516836.4/6

0.000+/-0.000 χ^2/NDF : 19123265.3/25

0.000+/-0.000 χ^2/NDF : 37713303.9/52

0.000+/-0.000 χ^2/NDF : 18589596.9/26

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.851+/-0.000 χ^2/NDF : 32847359.3/8

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

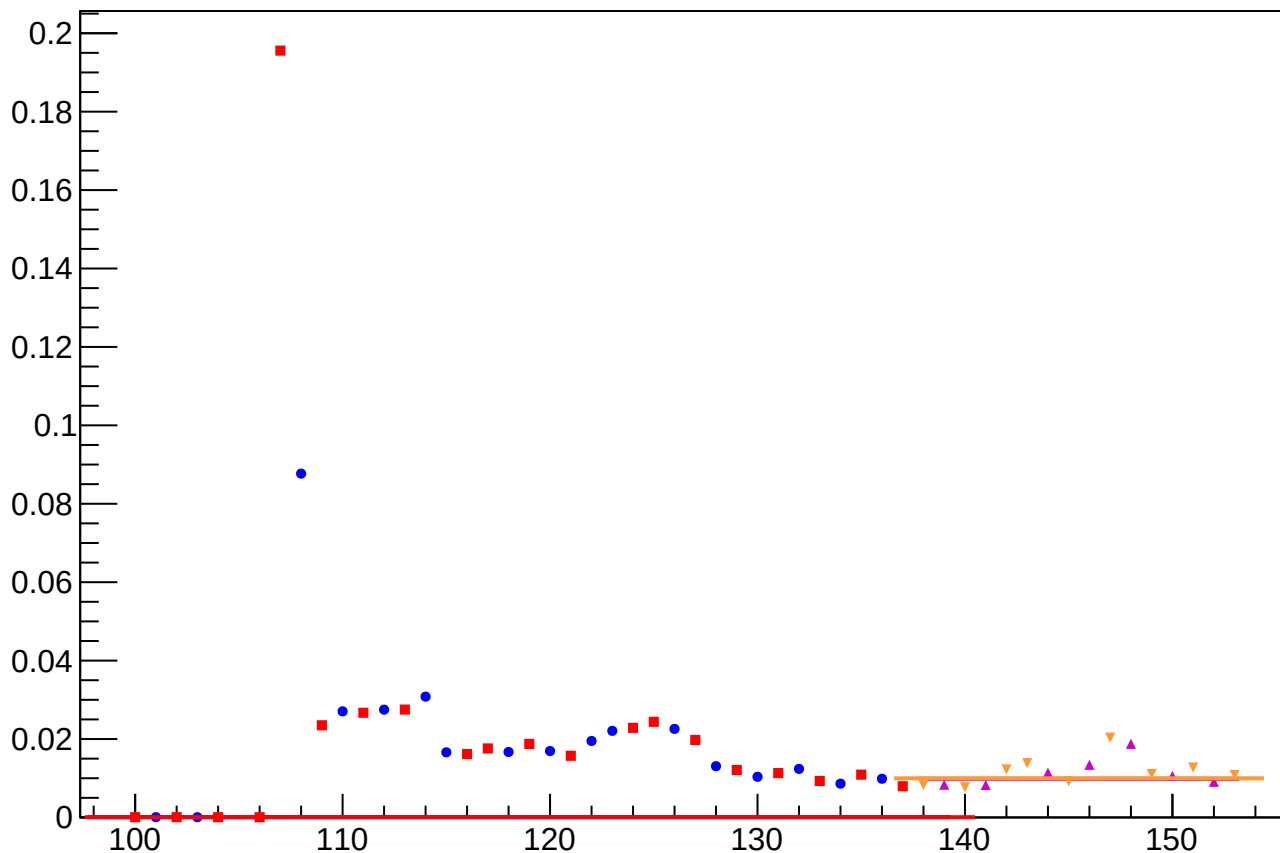
Left In: -0.845+/-0.000 χ^2/NDF : 45088203.0/6

3.562+/-0.000 χ^2/NDF : 1442380606082.4/25

3.040+/-0.000 χ^2/NDF : 13836940367497

2.583+/-0.000 χ^2/NDF : 1254041456022020.5/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 715622.7/8

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

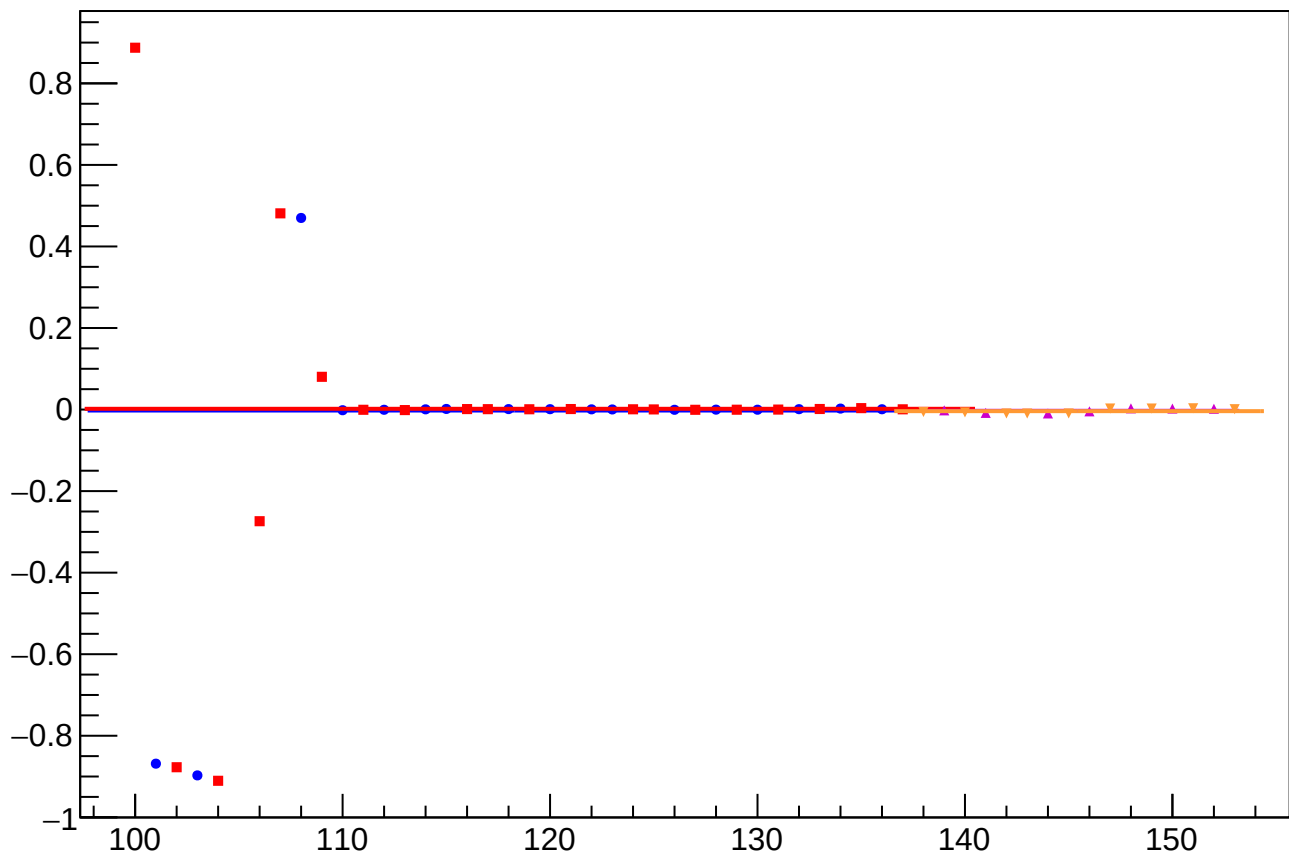
Left In: 0.010+/-0.000 χ^2/NDF : 532034.7/6

0.000+/-0.000 χ^2/NDF : 20127602.8/25

0.000+/-0.000 χ^2/NDF : 39359739.1/52

0.000+/-0.000 χ^2/NDF : 19231616.6/26

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.004+/-0.000 χ^2/NDF : 66950289.1/8

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

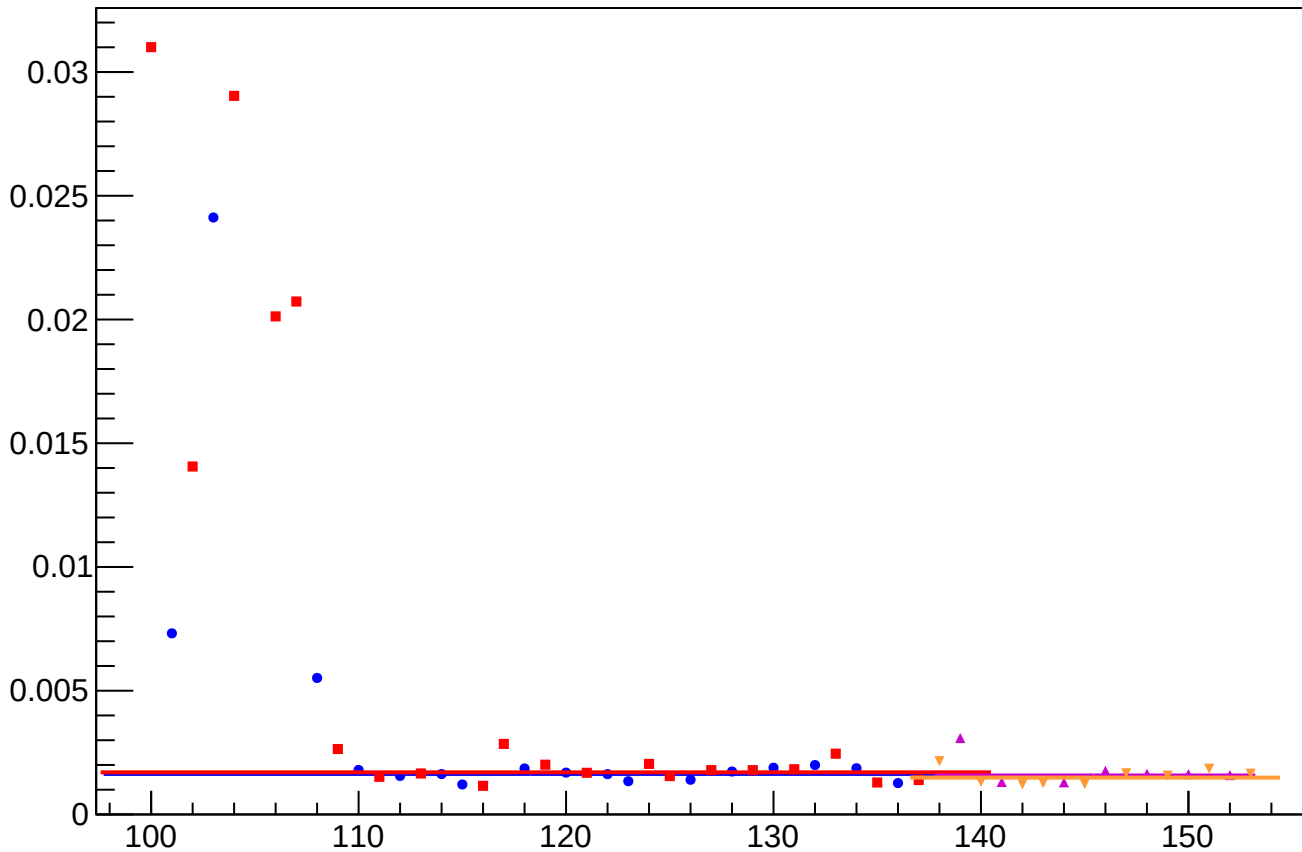
Left In: -0.003+/-0.000 χ^2/NDF : 47927706.9/6

-0.003+/-0.000 χ^2/NDF : 9864144492.2/25

-0.002+/-0.000 χ^2/NDF : 12984214881.1/5

-0.001+/-0.000 χ^2/NDF : 3108989965.6/26

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 : 318550.6/8

Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

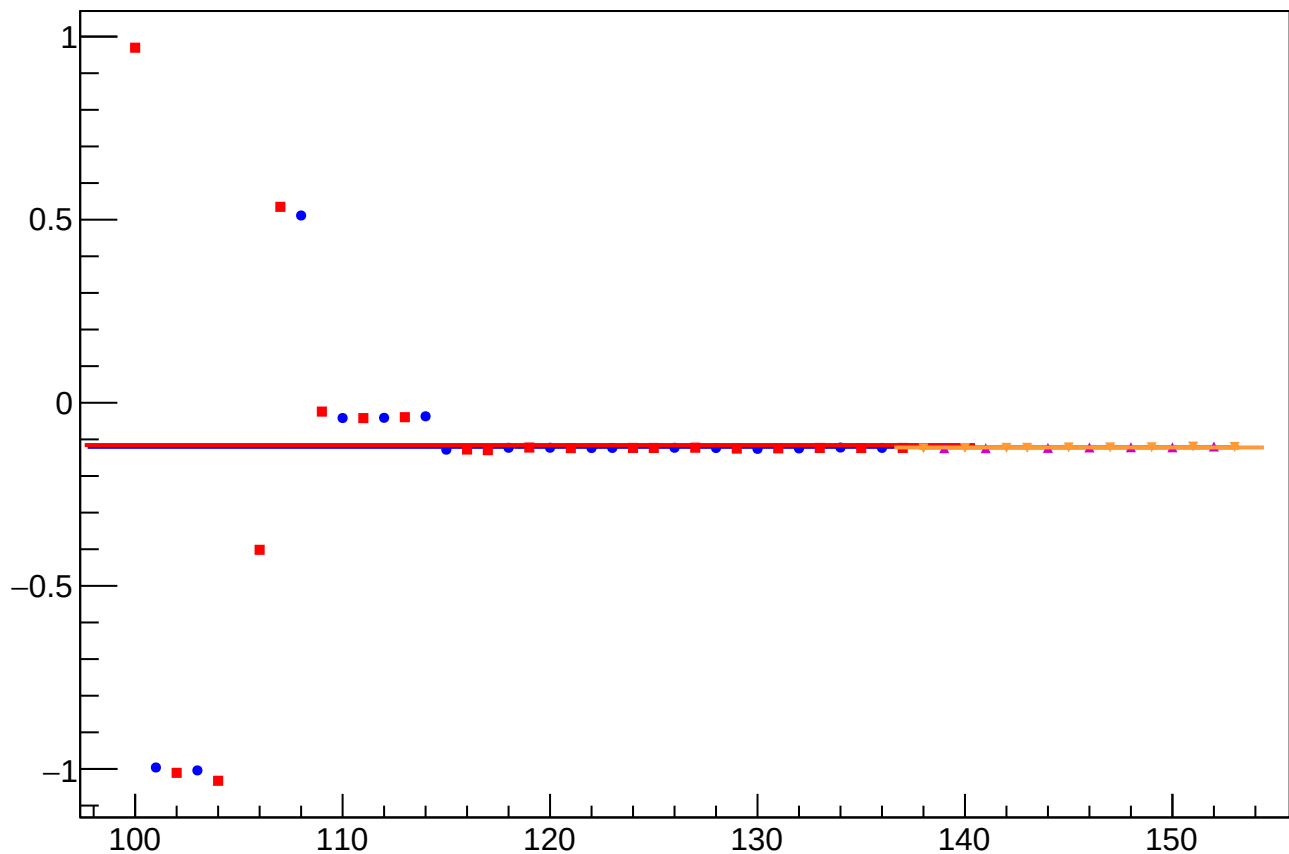
Left In: 0.002+/-0.000 χ^2/NDF : 468270.3/6

0.002+/-0.000 χ^2/NDF : 2277070.9/25

0.002+/-0.000 χ^2/NDF : 5832316.0/52

0.002+/-0.000 χ^2/NDF : 3531639.6/26

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.122+/-0.000 χ^2/NDF : 8391534.4/8

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

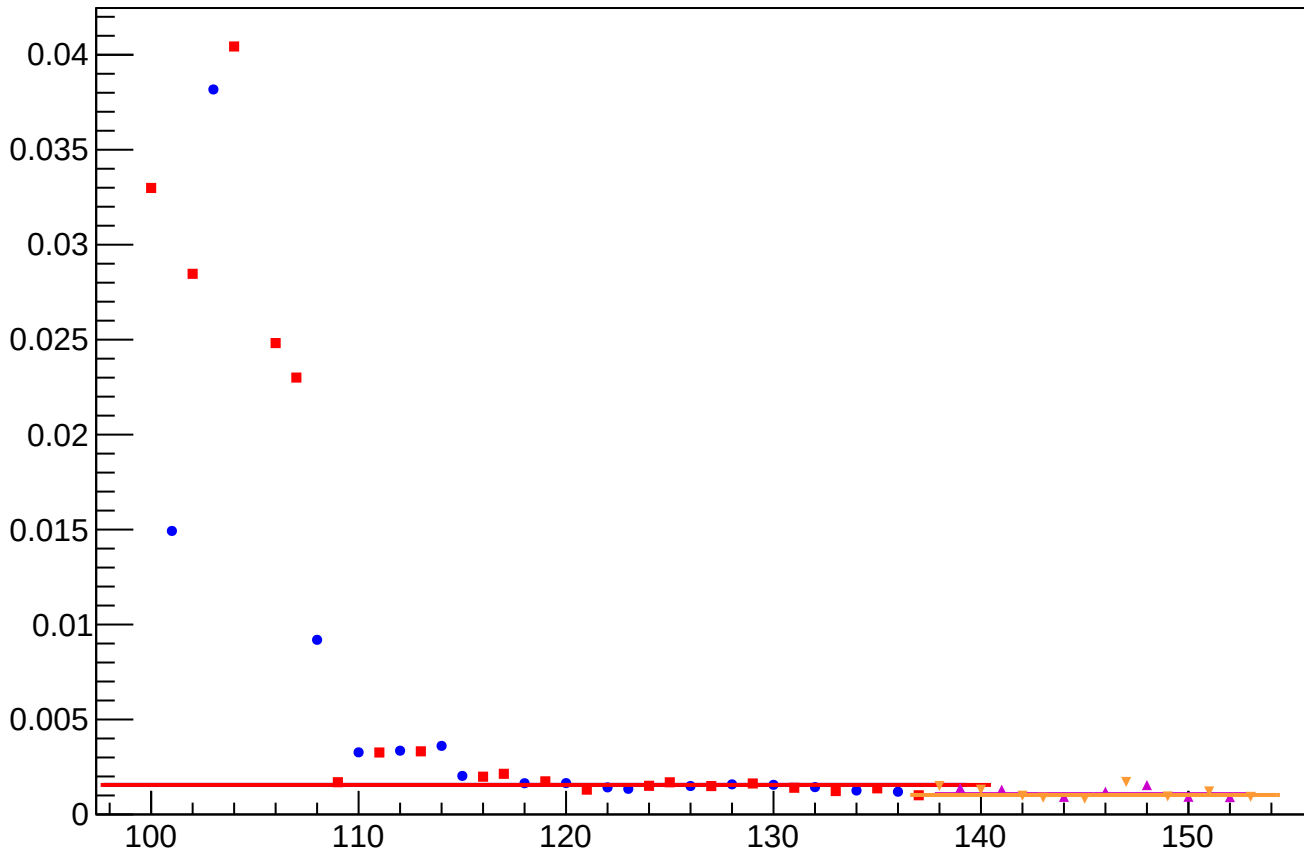
Left In: -0.122+/-0.000 χ^2/NDF : 11805168.4/6

-0.122+/-0.000 χ^2/NDF : 3944788680.6/25

-0.121+/-0.000 χ^2/NDF : 6478955408.6/52

-0.120+/-0.000 χ^2/NDF : 2524763787.8/26

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 +/- 0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001 +/- 0.000 χ^2/NDF : 611352.6/8

Right Out: 0.002 +/- 0.000 χ^2/NDF : 3545212.9/19

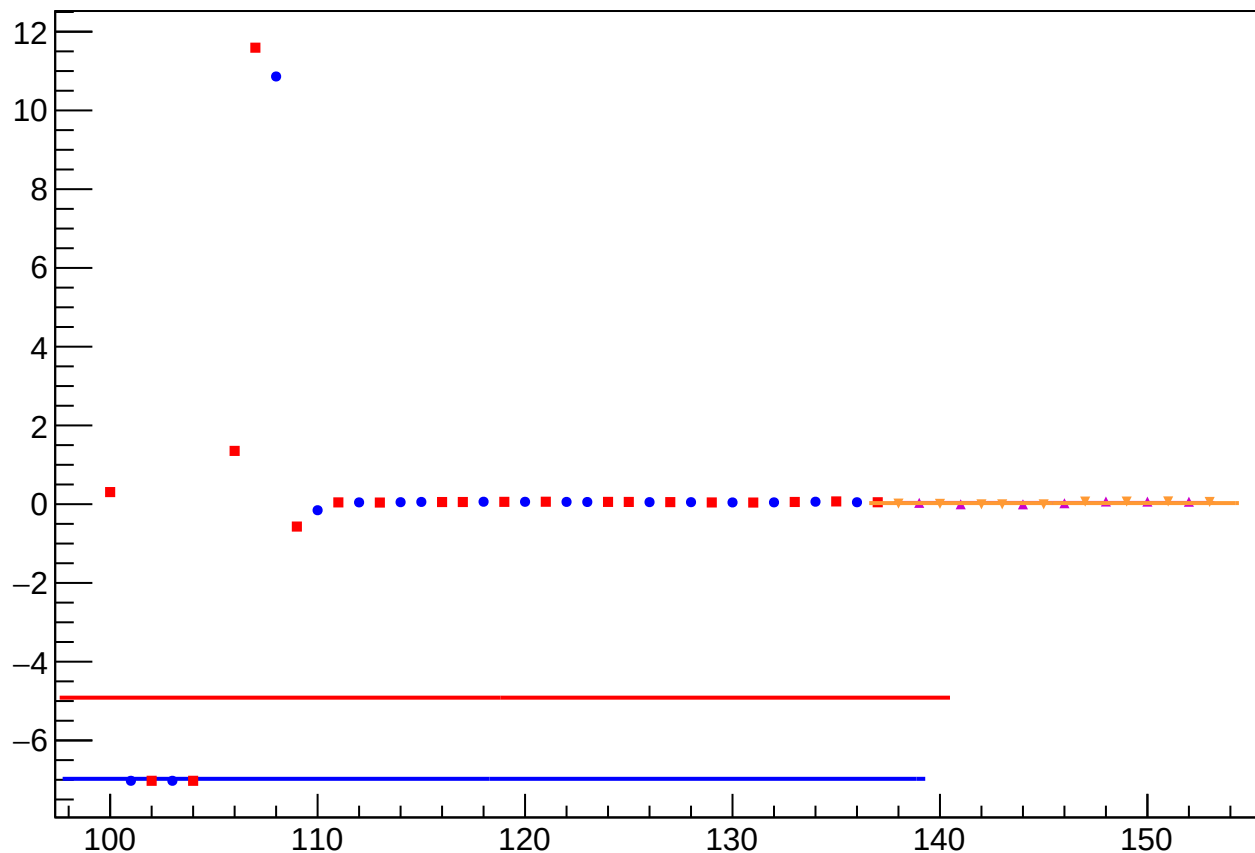
Left In: 0.001 +/- 0.000 χ^2/NDF : 402317.6/6

0.001 +/- 0.000 χ^2/NDF : 4302506.3/25

0.001 +/- 0.000 χ^2/NDF : 8896325.0/52

0.001 +/- 0.000 χ^2/NDF : 4573759.4/26

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.028+/-0.000 χ^2/NDF : 66960528.1/8

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

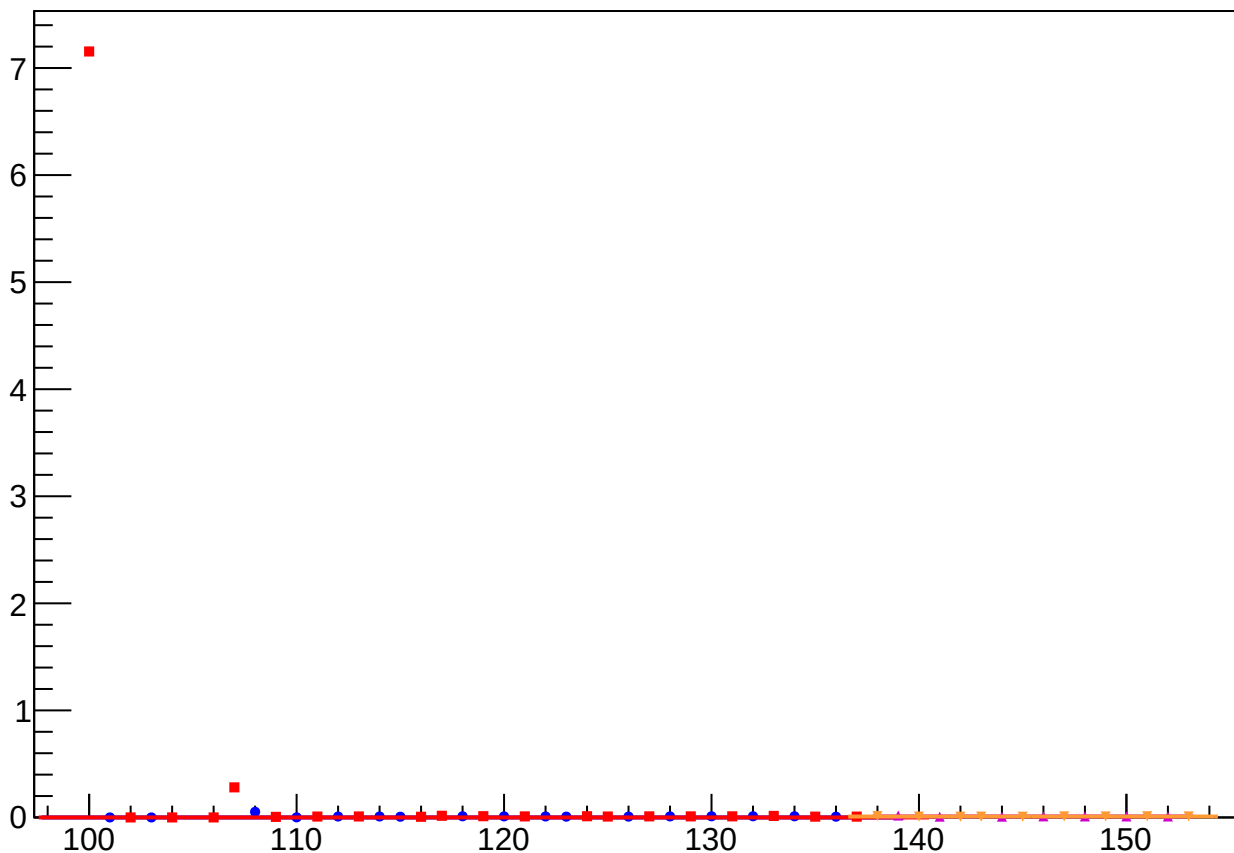
Left In: 0.032+/-0.000 χ^2/NDF : 51390617.0/6

-6.957+/-0.000 χ^2/NDF : 11890484922019.6/25

-5.887+/-0.000 χ^2/NDF : 4343775583206.3/16

-4.905+/-0.000 χ^2/NDF : 366622803212931.7/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8242728.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:322998.4/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8854773.0/19

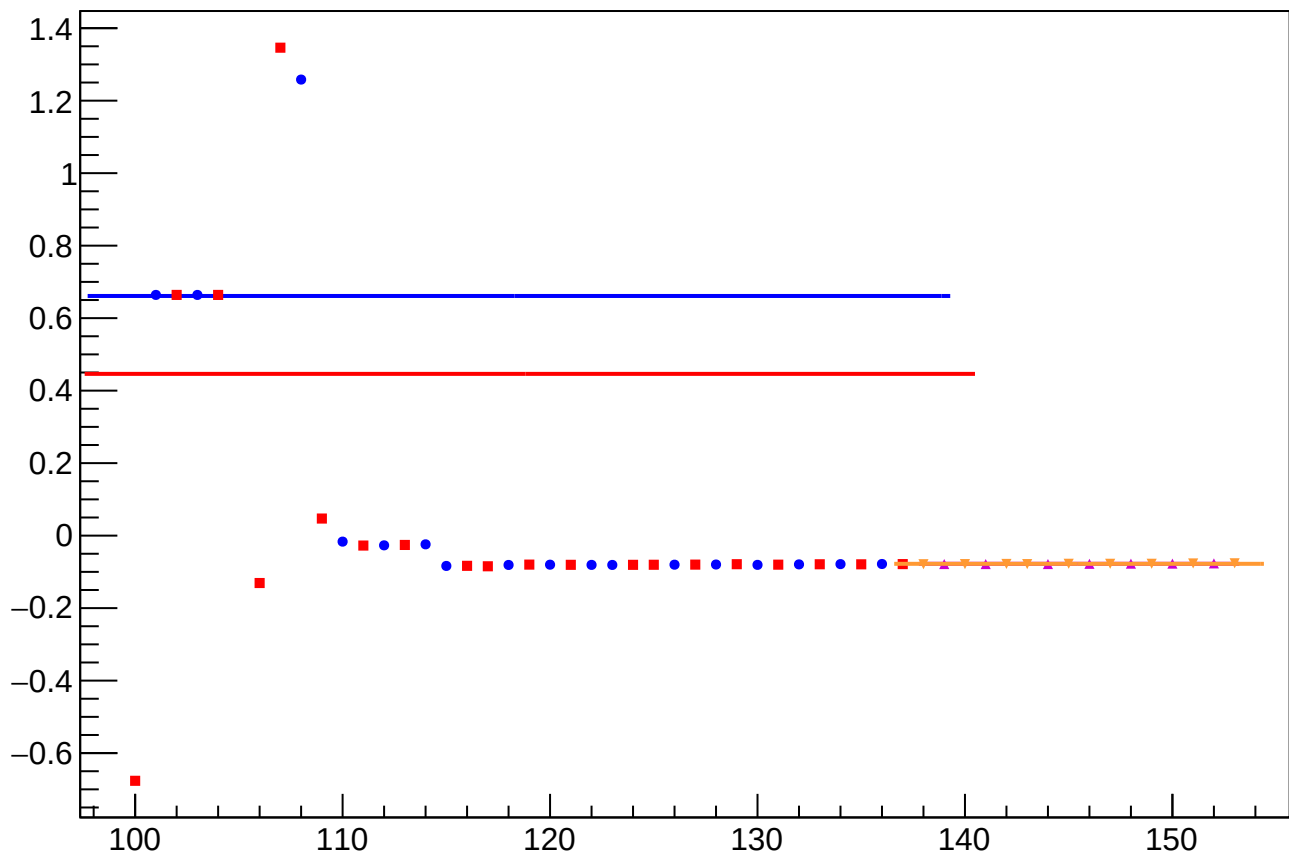
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:468439.3/6

0.000 $\pm$ 0.000 χ^2 /NDF: 18044596.7/25

0.000 $\pm$ 0.000 χ^2 /NDF: 35802977.1/52

0.000 $\pm$ 0.000 χ^2 /NDF: 17756651.1/26

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661 $\pm$ 0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.078 $\pm$ 0.000 χ^2/NDF : 12173205.5/8

Right Out: 0.446 $\pm$ 0.000 χ^2/NDF : 405423069582977.9/19

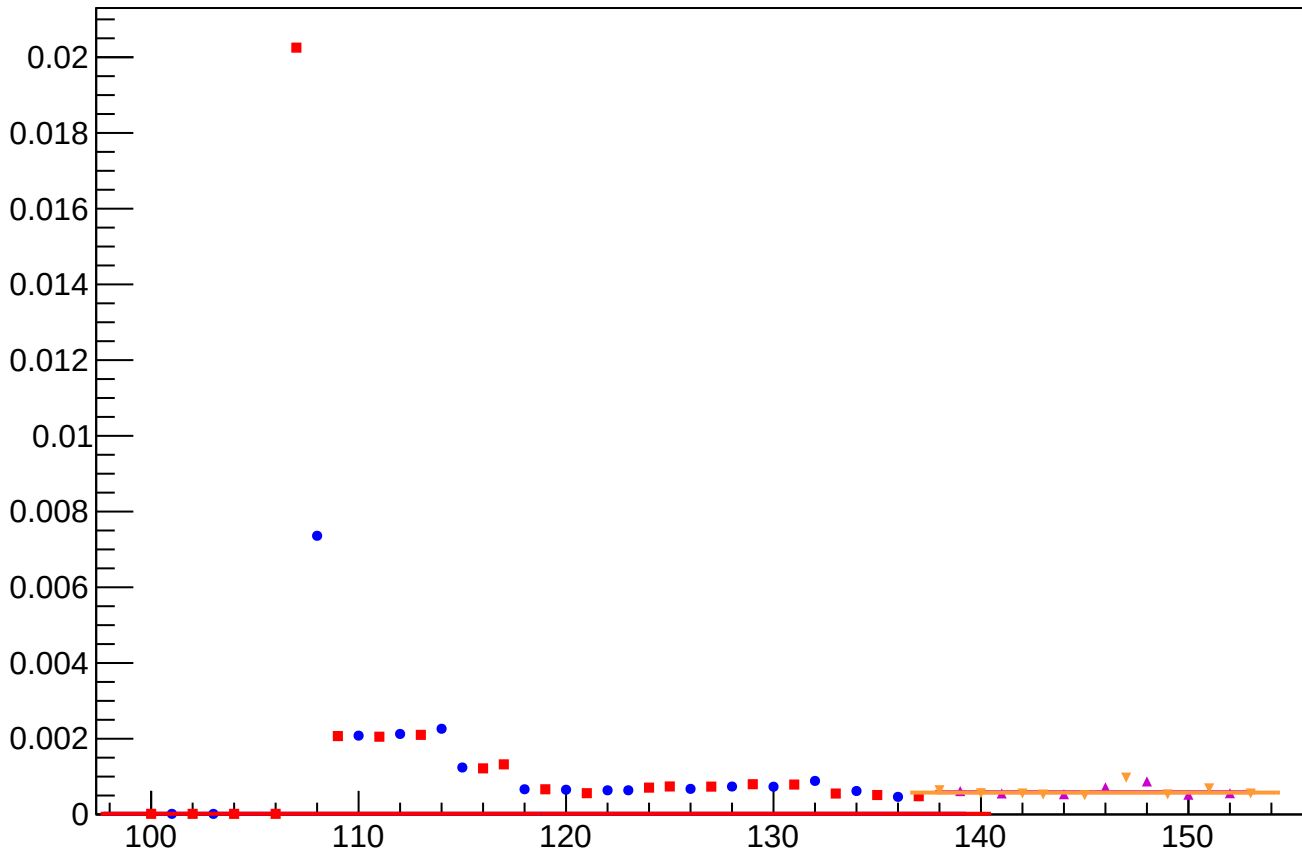
Left In: -0.078 $\pm$ 0.000 χ^2/NDF : 7917183.9/6

0.656 $\pm$ 0.000 χ^2/NDF : 15470865482454.5/25

0.545 $\pm$ 0.000 χ^2/NDF : 48709442886088

0.443 $\pm$ 0.000 χ^2/NDF : 409649761390709.9/26

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 : 356551.9/8

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

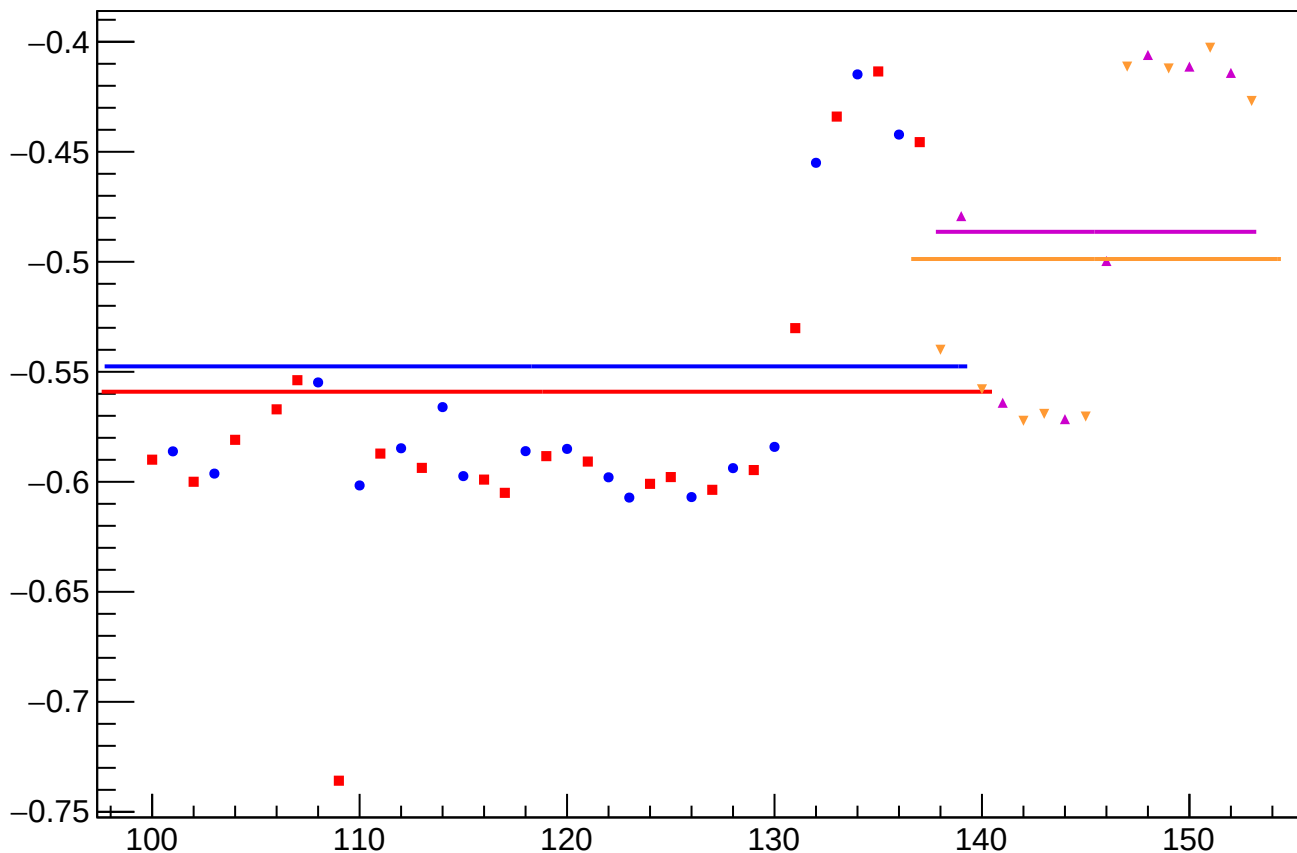
Left In: 0.001+/-0.000 χ^2/NDF : 267363.5/6

0.000+/-0.000 χ^2/NDF : 21544730.9/25

0.000+/-0.000 χ^2/NDF : 41390938.7/52

0.000+/-0.000 χ^2/NDF : 19844257.6/26

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.499+/-0.000 χ^2/NDF : 73716101.8/8

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

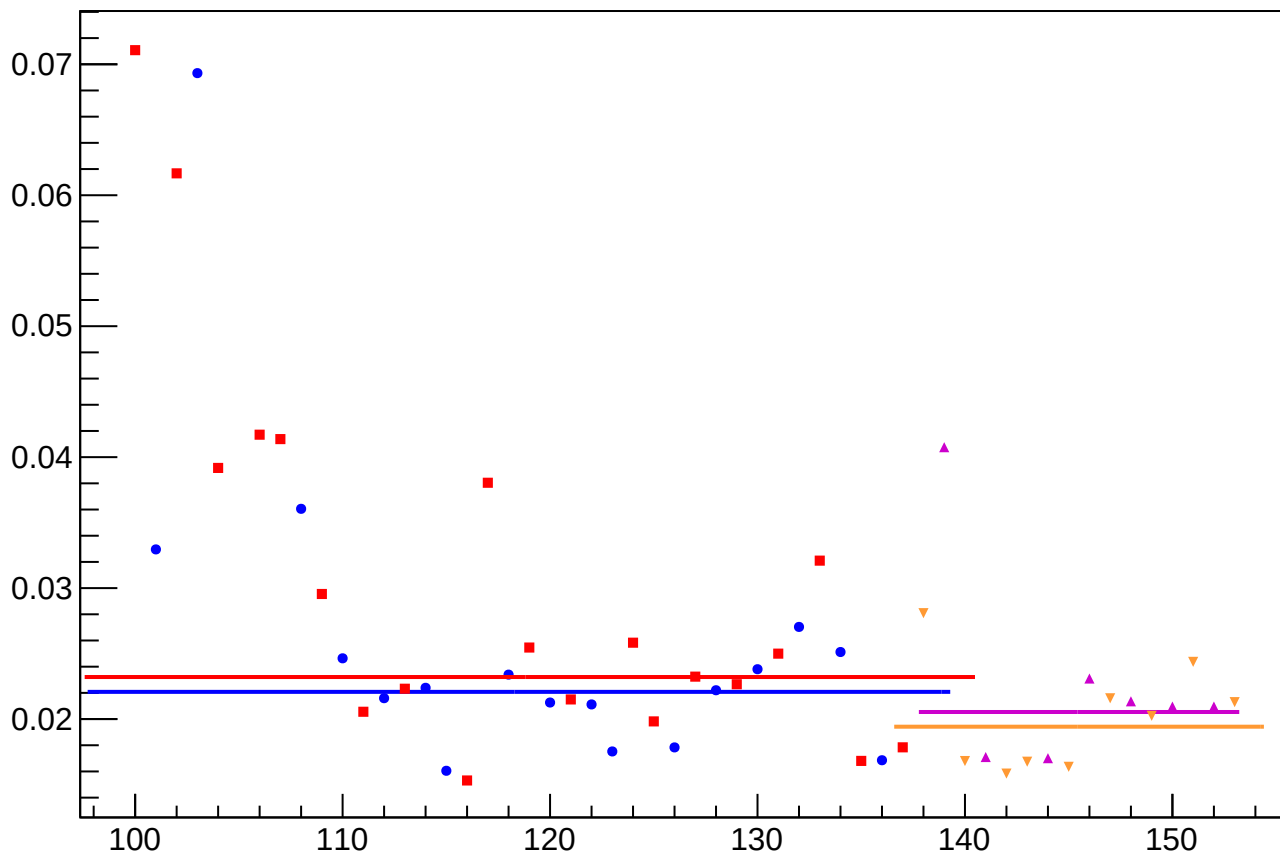
Left In: -0.486+/-0.000 χ^2/NDF : 54303963.5/6

-0.520+/-0.000 χ^2/NDF : 136014025.5/25

-0.521+/-0.000 χ^2/NDF : 282568831.2/52

-0.522+/-0.000 χ^2/NDF : 146526882.5/26

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 311279.3/8

Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

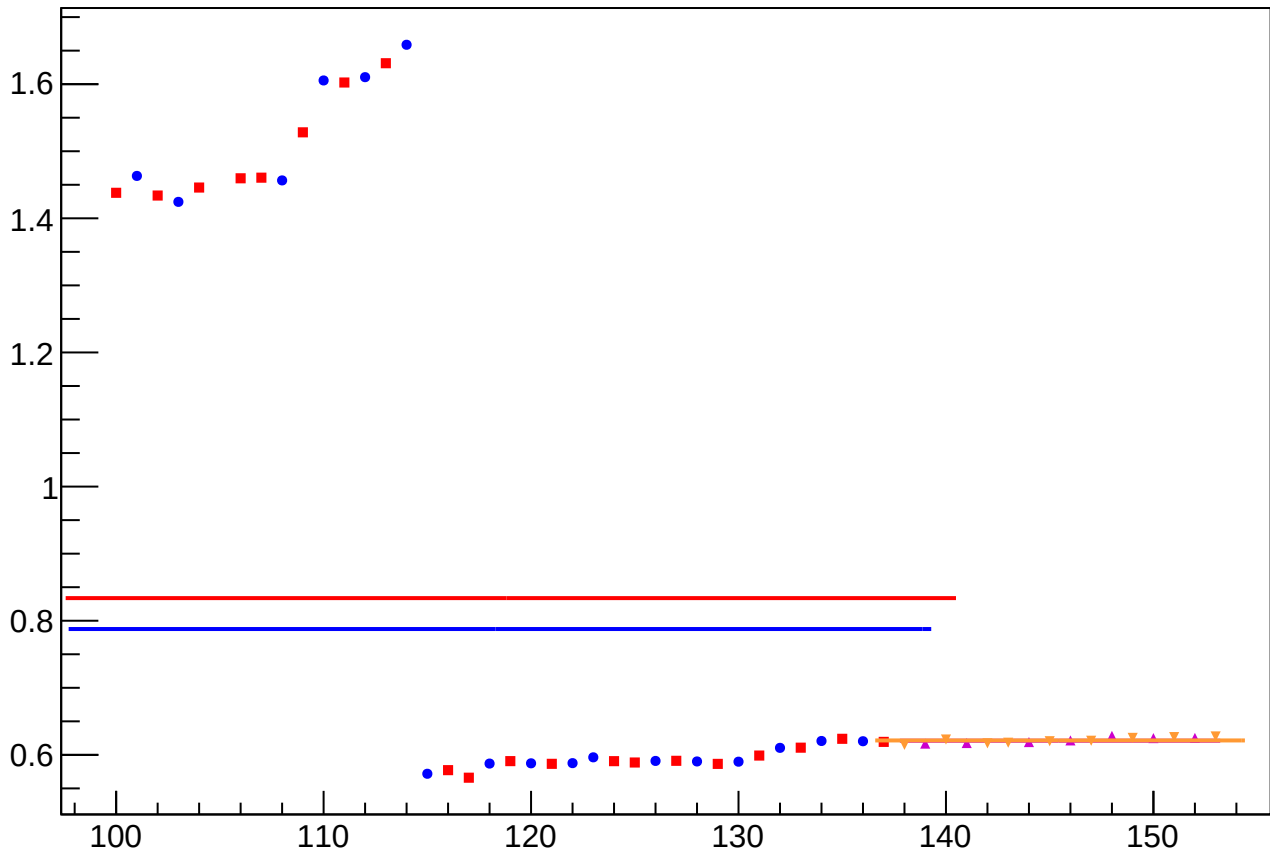
Left In: 0.021+/-0.000 χ^2/NDF : 474052.5/6

0.021+/-0.000 χ^2/NDF : 1347767.7/25

0.021+/-0.000 χ^2/NDF : 3097435.1/52

0.022+/-0.000 χ^2/NDF : 1715533.2/26

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.622+/-0.000 χ^2/NDF : 653674.6/8

Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

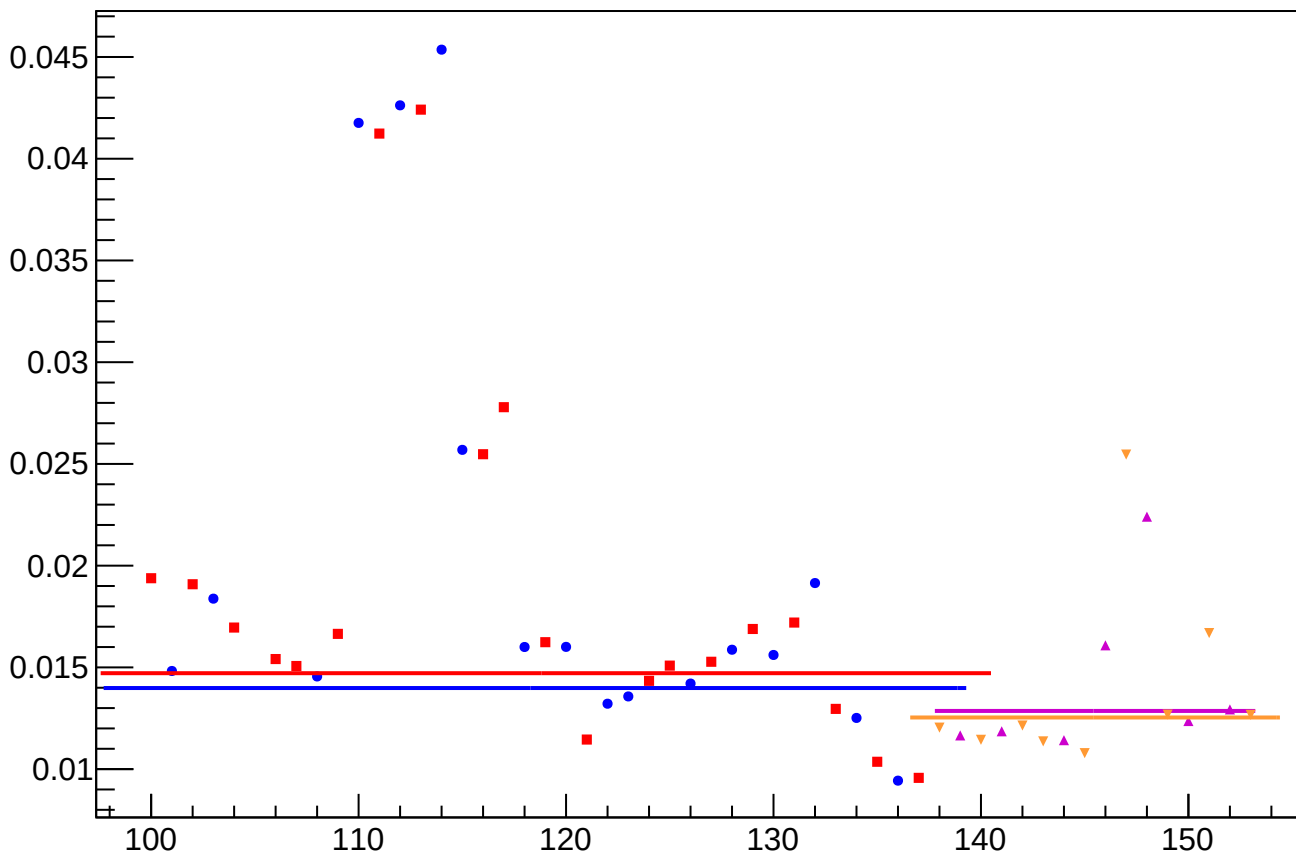
Left In: 0.621+/-0.000 χ^2/NDF : 439960.6/6

0.693+/-0.000 χ^2/NDF : 4035046908.4/25

0.706+/-0.000 χ^2/NDF : 8889387899.6/52

0.720+/-0.000 χ^2/NDF : 4830965375.8/26

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF : 541438.7/8

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1275472.3/19

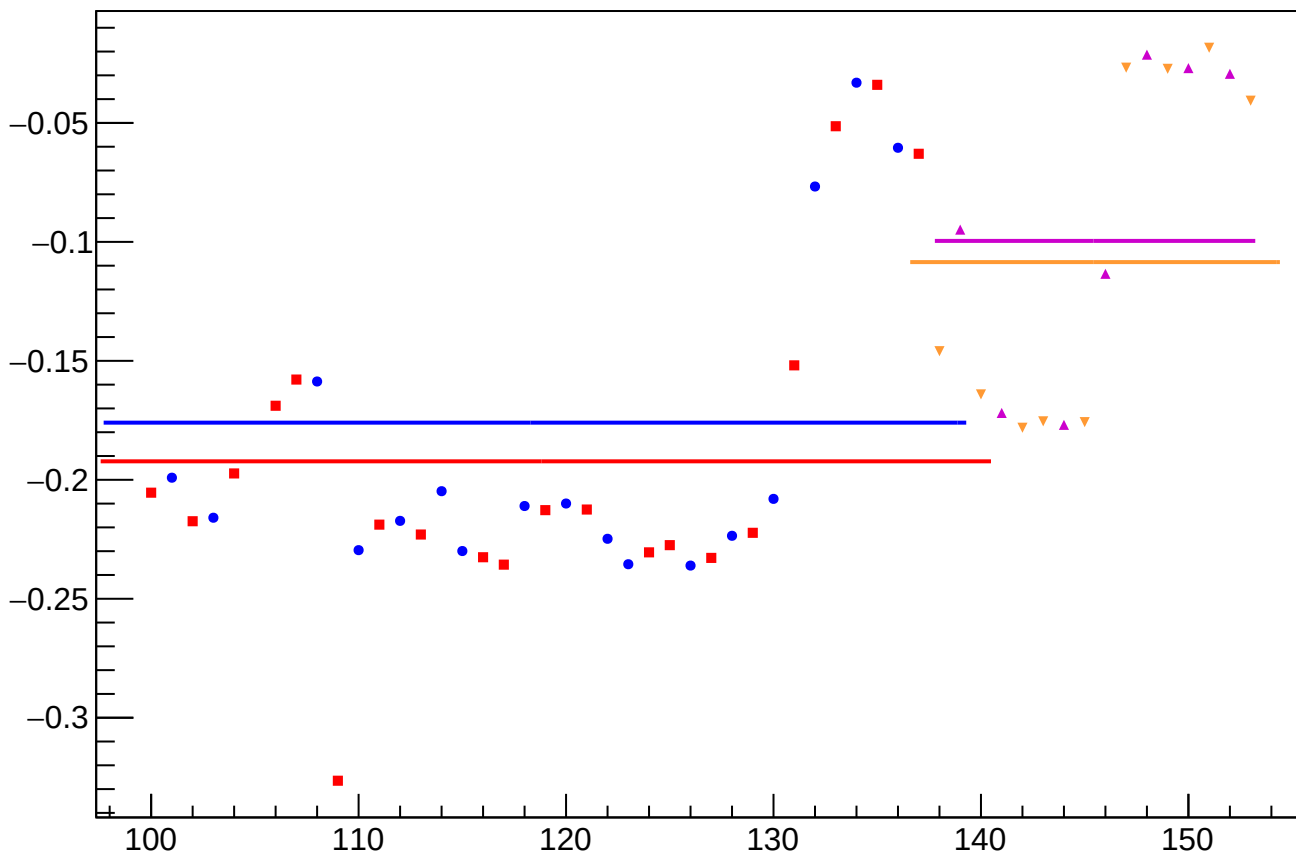
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 389893.1/6

0.013 $\pm$ 0.000 χ^2/NDF : 2008756.2/25

0.013 $\pm$ 0.000 χ^2/NDF : 3796958.8/52

0.014 $\pm$ 0.000 χ^2/NDF : 1768106.4/26

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176 ± 0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.108 ± 0.000 χ^2/NDF : 71727038.9/8

Right Out: -0.192 ± 0.000 χ^2/NDF : 83343025.0/19

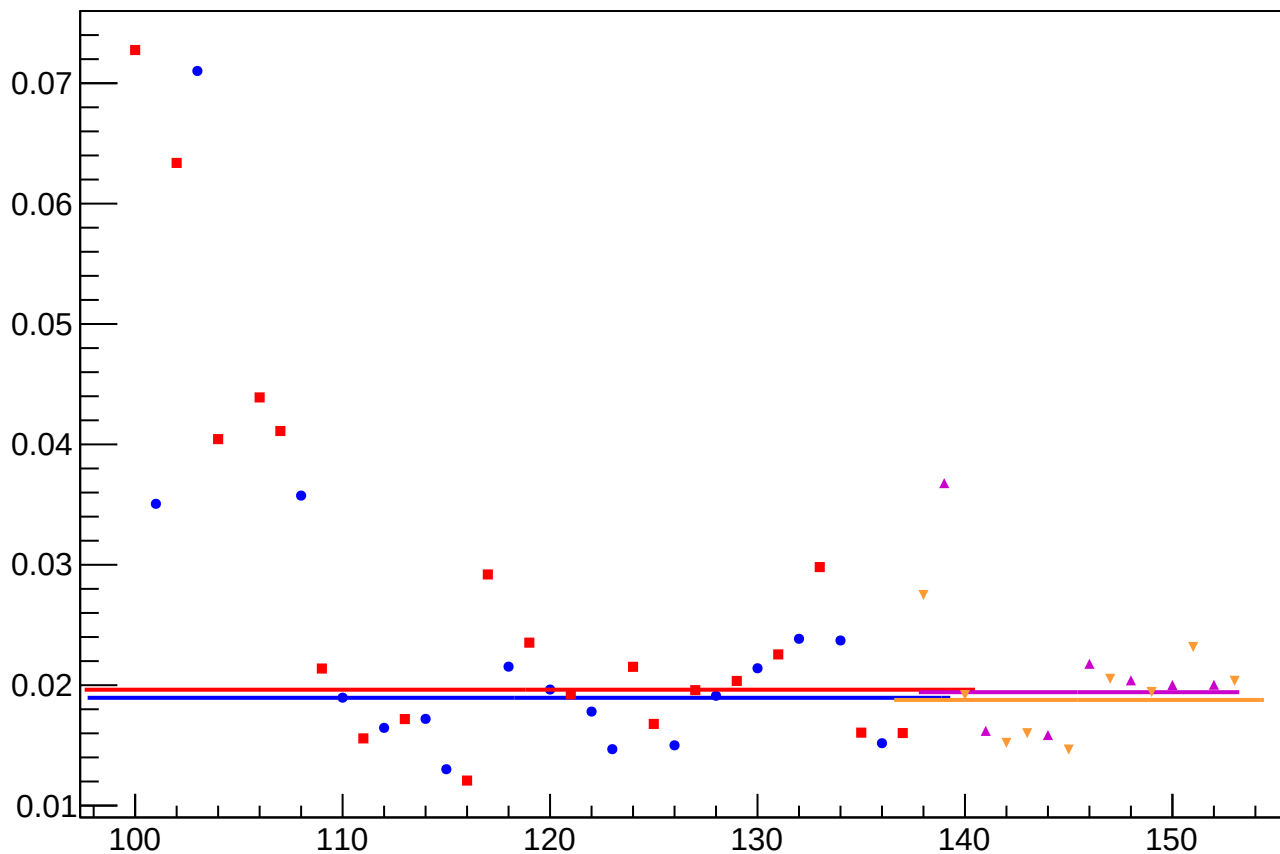
Left In: -0.100 ± 0.000 χ^2/NDF : 54520959.4/6

-0.142 ± 0.000 χ^2/NDF : 173720877.1/25

-0.145 ± 0.000 χ^2/NDF : 366287797.2/52

-0.149 ± 0.000 χ^2/NDF : 191805364.3/26

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 338840.8/8

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

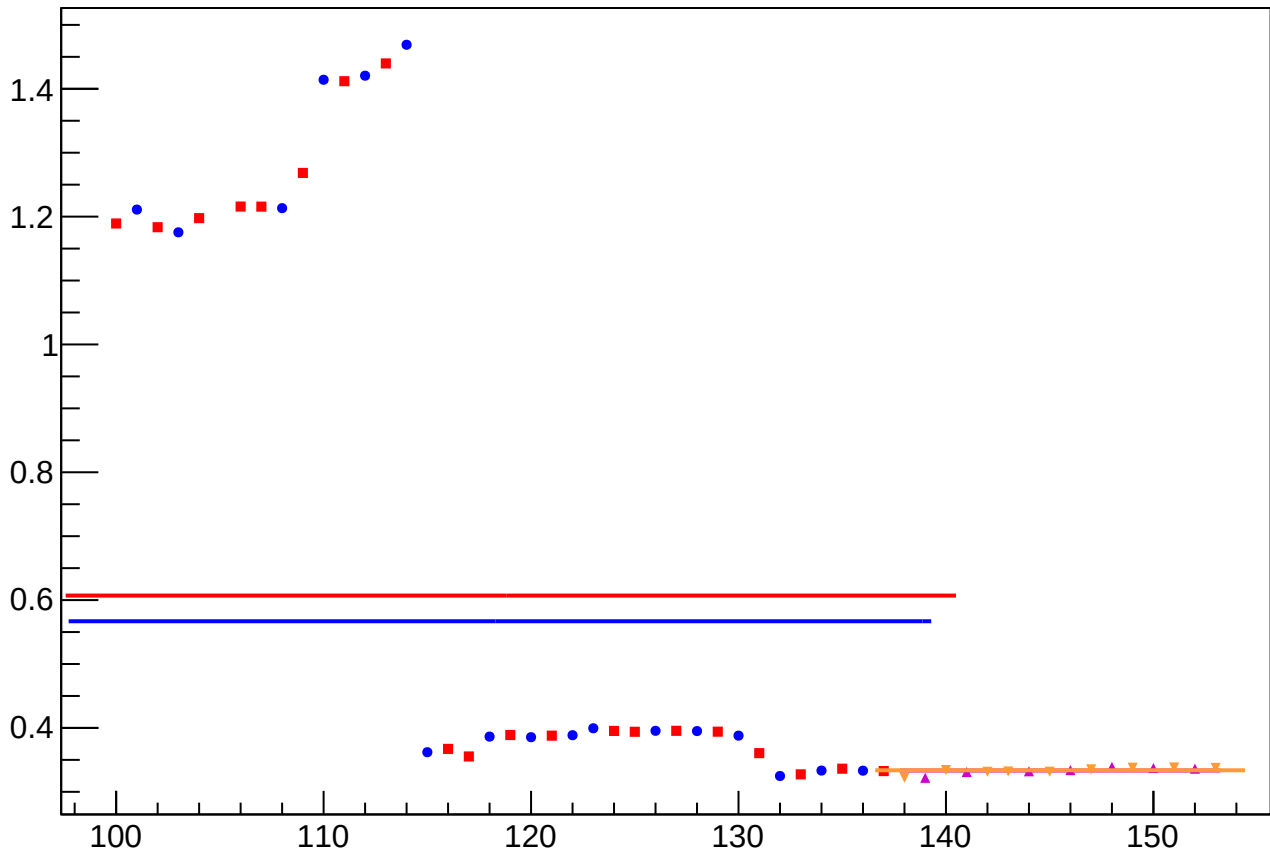
Left In: 0.019+/-0.000 χ^2/NDF : 451792.2/6

0.019+/-0.000 χ^2/NDF : 1542562.3/25

0.019+/-0.000 χ^2/NDF : 3470733.9/52

0.020+/-0.000 χ^2/NDF : 1916312.2/26

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.334+/-0.000 χ^2/NDF : 904530.6/8

Right Out: 0.607+/-0.000 χ^2/NDF : 5509130775.3/19

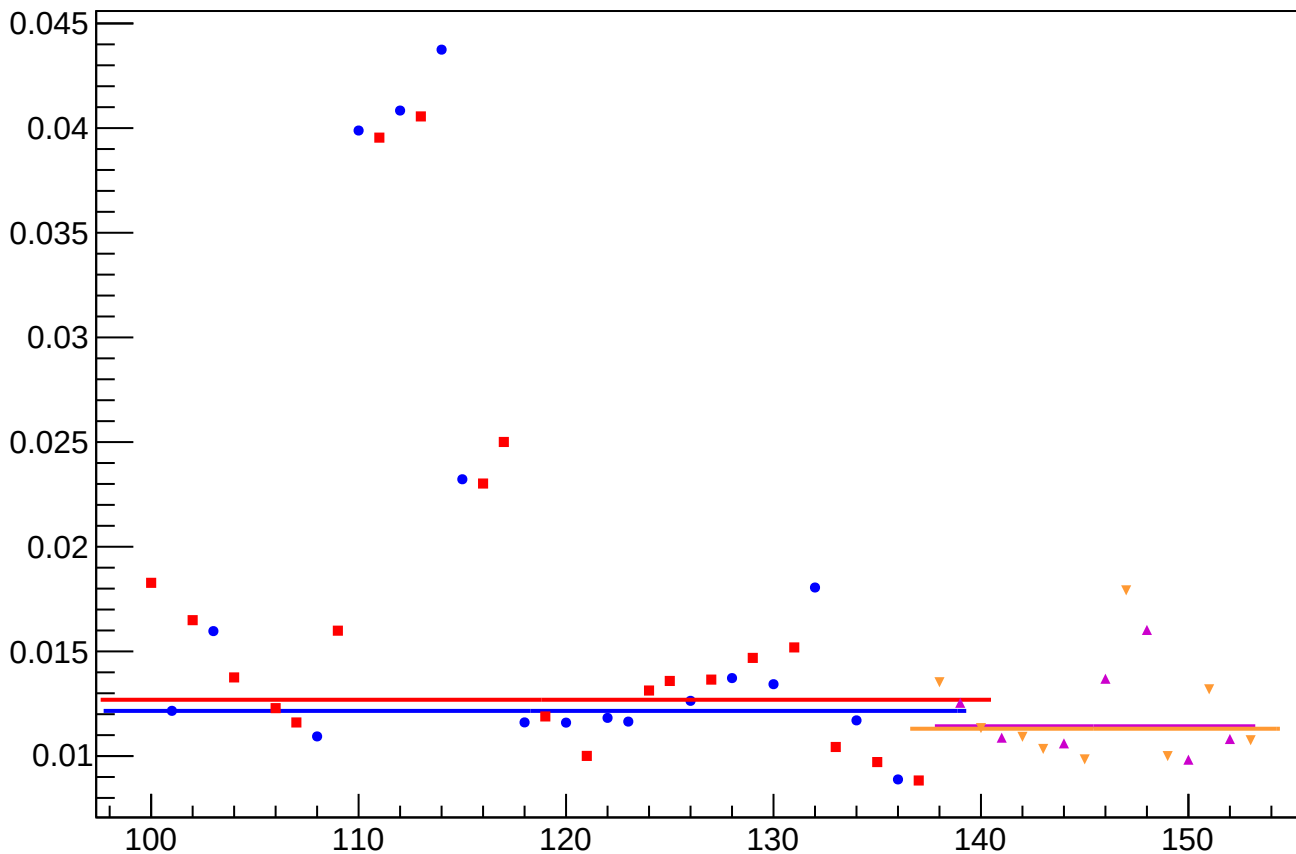
Left In: 0.333+/-0.000 χ^2/NDF : 921986.6/6

0.437+/-0.000 χ^2/NDF : 6166254993.8/25

0.449+/-0.000 χ^2/NDF : 13157718329.9/5

0.462+/-0.000 χ^2/NDF : 6965198370.5/26

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:347450.8/8

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

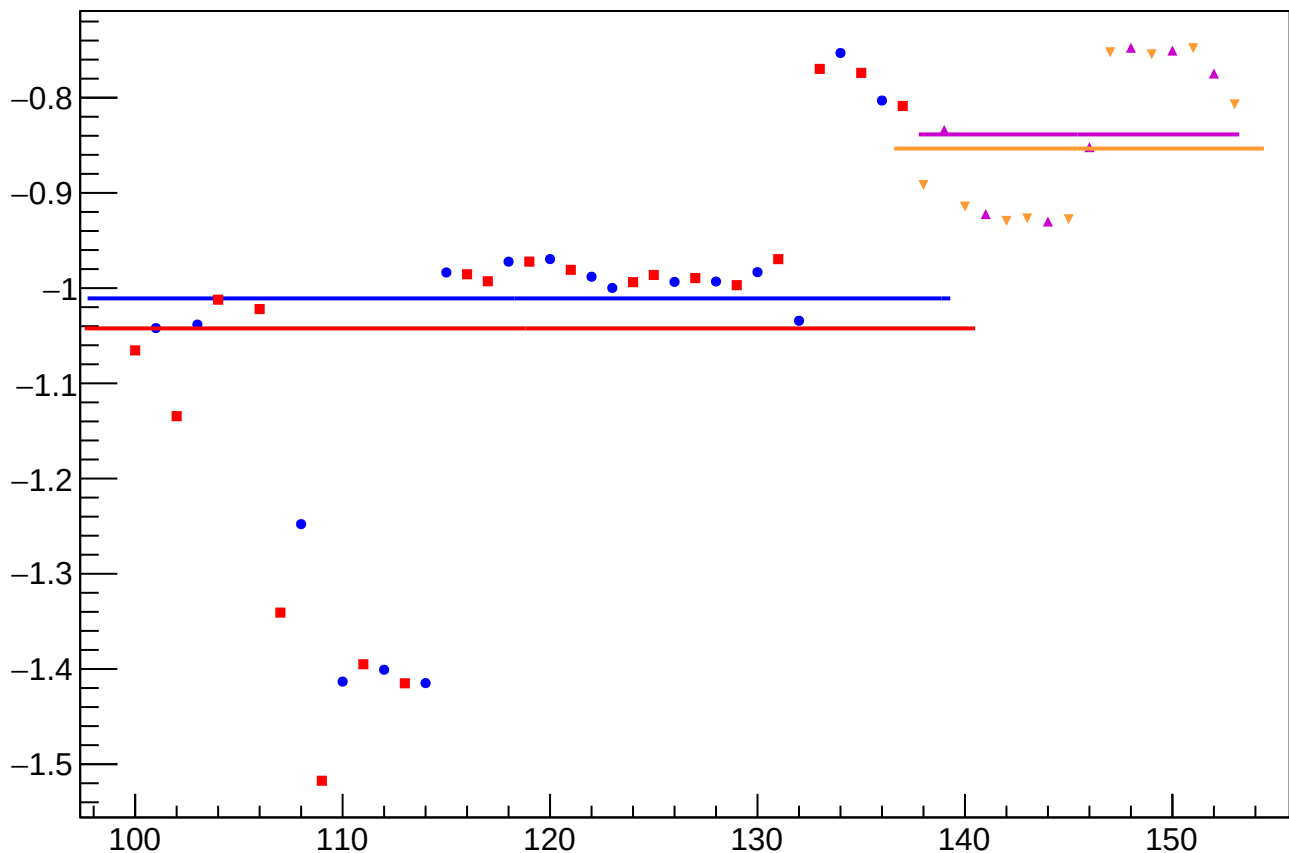
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:242916.3/6

0.012 $\pm$ 0.000 χ^2 /NDF: 1686052.8/25

0.012 $\pm$ 0.000 χ^2 /NDF: 3286473.0/52

0.012 $\pm$ 0.000 χ^2 /NDF: 1591135.5/26

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.853+/-0.000 χ^2/NDF : 85002383.7/8

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

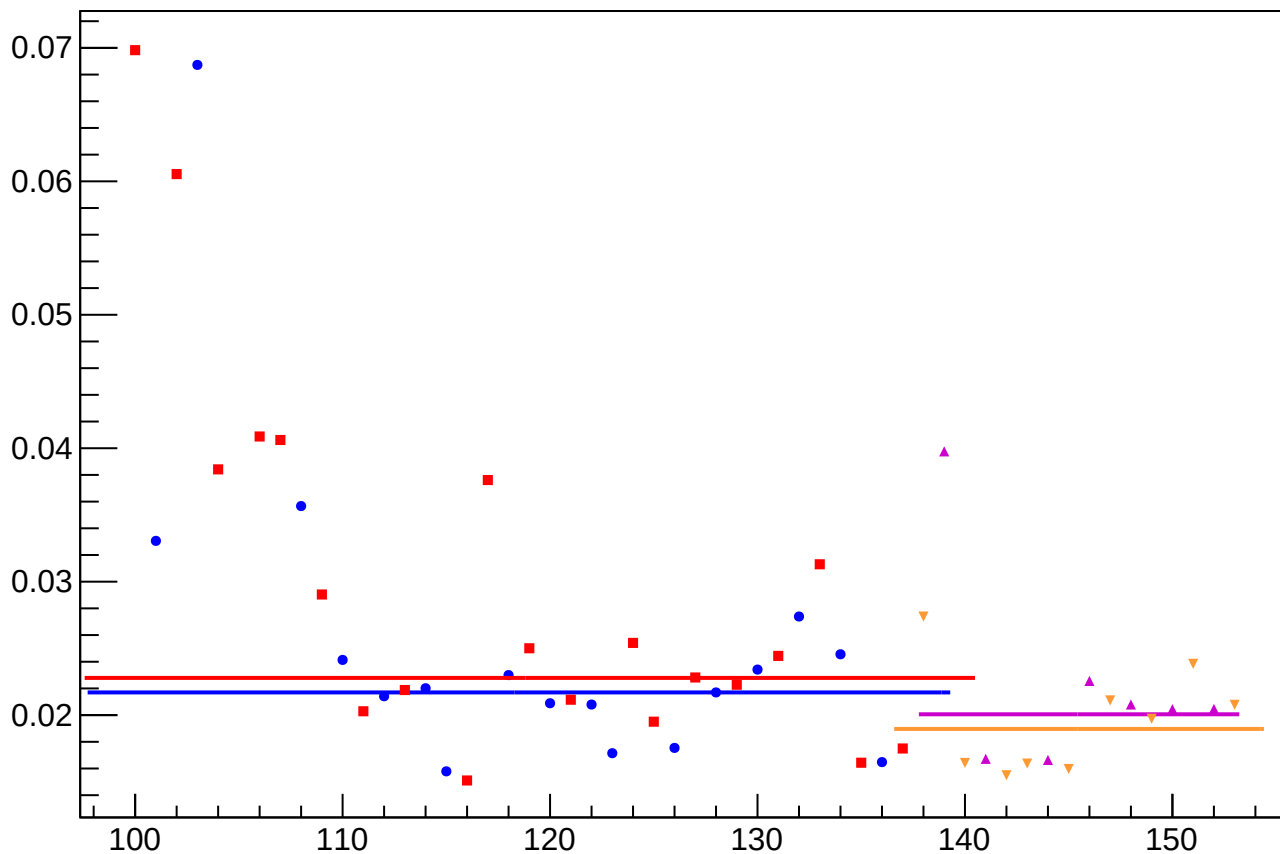
Left In: -0.839+/-0.000 χ^2/NDF : 66133386.3/6

-0.922+/-0.000 χ^2/NDF : 620847557.4/25

-0.929+/-0.000 χ^2/NDF : 1438271762.2/52

-0.937+/-0.000 χ^2/NDF : 814851344.2/26

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 310340.7/8

Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

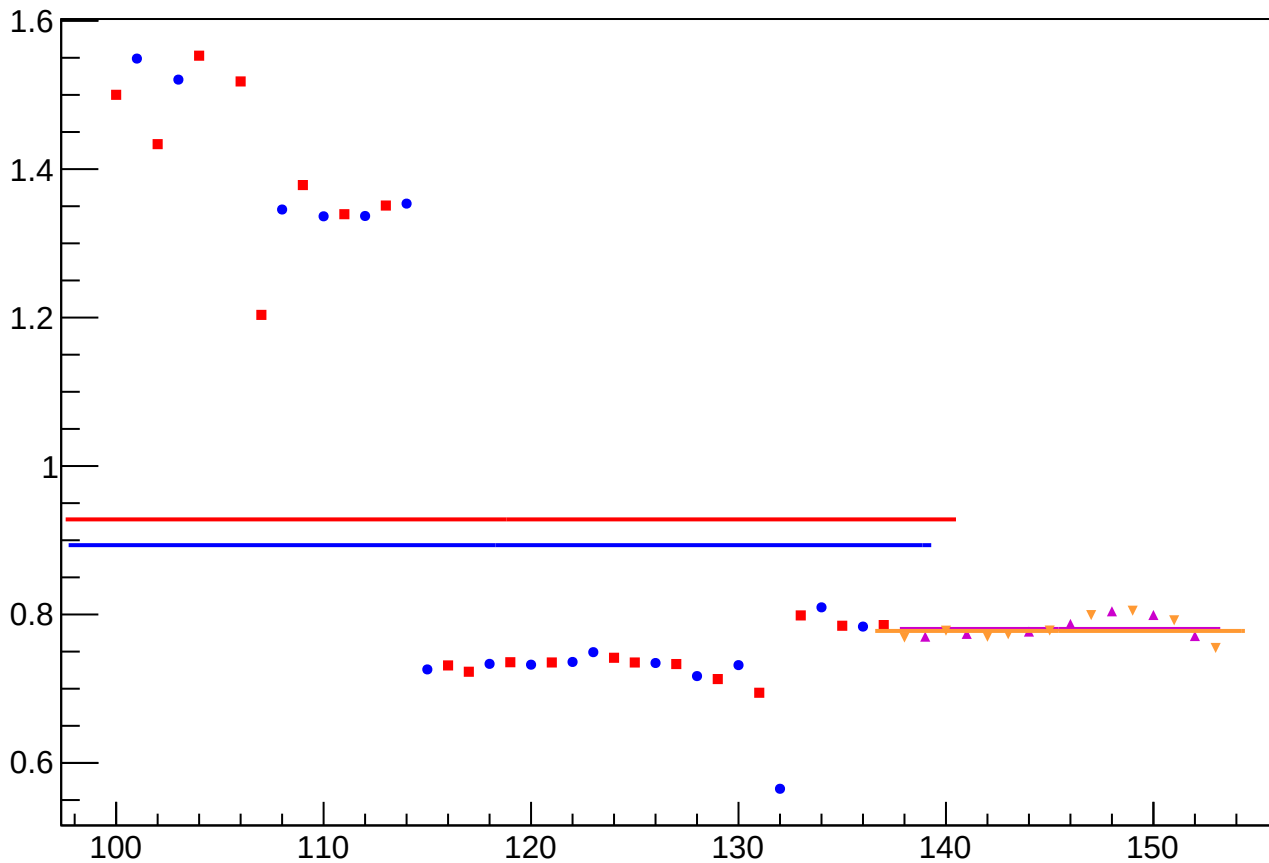
Left In: 0.020+/-0.000 χ^2/NDF : 471480.2/6

0.020+/-0.000 χ^2/NDF : 1379550.8/25

0.021+/-0.000 χ^2/NDF : 3128431.3/52

0.021+/-0.000 χ^2/NDF : 1715025.5/26

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.778+/-0.000 χ^2/NDF : 7910498.4/8

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

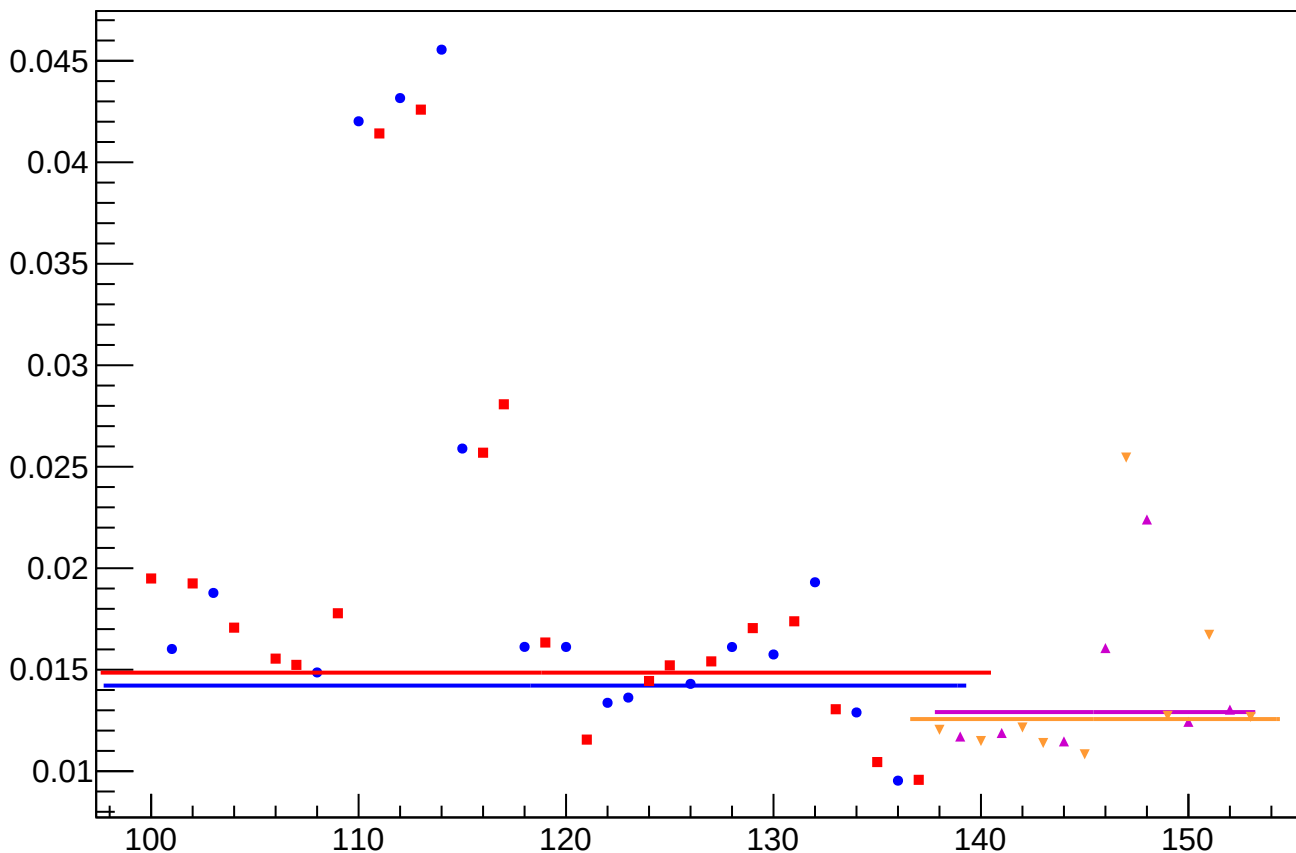
Left In: 0.780+/-0.000 χ^2/NDF : 4259923.3/6

0.826+/-0.000 χ^2/NDF : 2629932326.6/25

0.837+/-0.000 χ^2/NDF : 5407072108.4/52

0.849+/-0.000 χ^2/NDF : 2761908961.3/26

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 ± 0.000 $\chi^2/\text{NDF}: 1409594.2/16$

Left Out: 0.013 ± 0.000 $\chi^2/\text{NDF}: 537737.7/8$

Right Out: 0.015 ± 0.000 $\chi^2/\text{NDF}: 1286513.9/19$

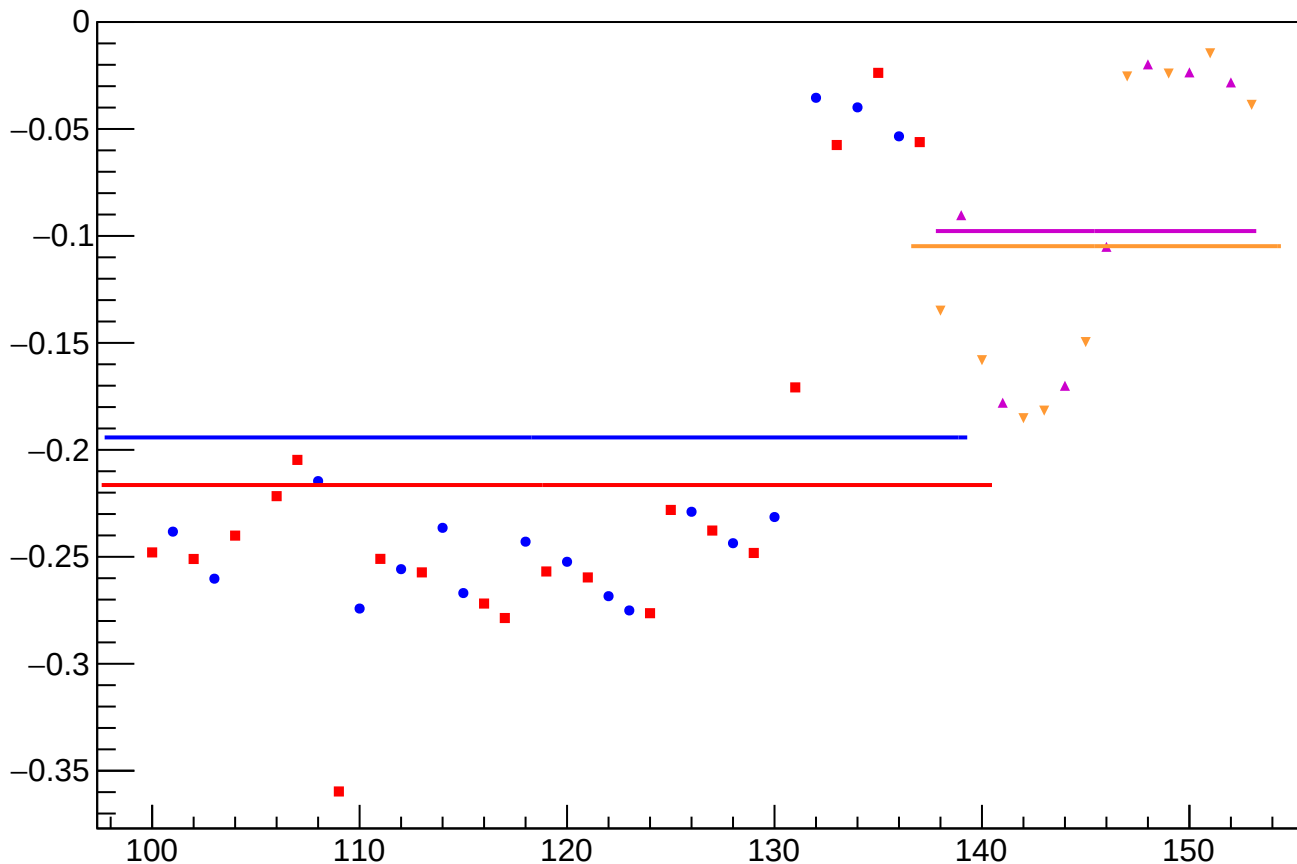
Left In: 0.013 ± 0.000 $\chi^2/\text{NDF}: 384722.3/6$

0.013 ± 0.000 $\chi^2/\text{NDF}: 2034484.1/25$

0.014 ± 0.000 $\chi^2/\text{NDF}: 3835197.1/52$

0.014 ± 0.000 $\chi^2/\text{NDF}: 1782124.8/26$

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.105+/-0.000 χ^2/NDF : 67975778.2/8

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

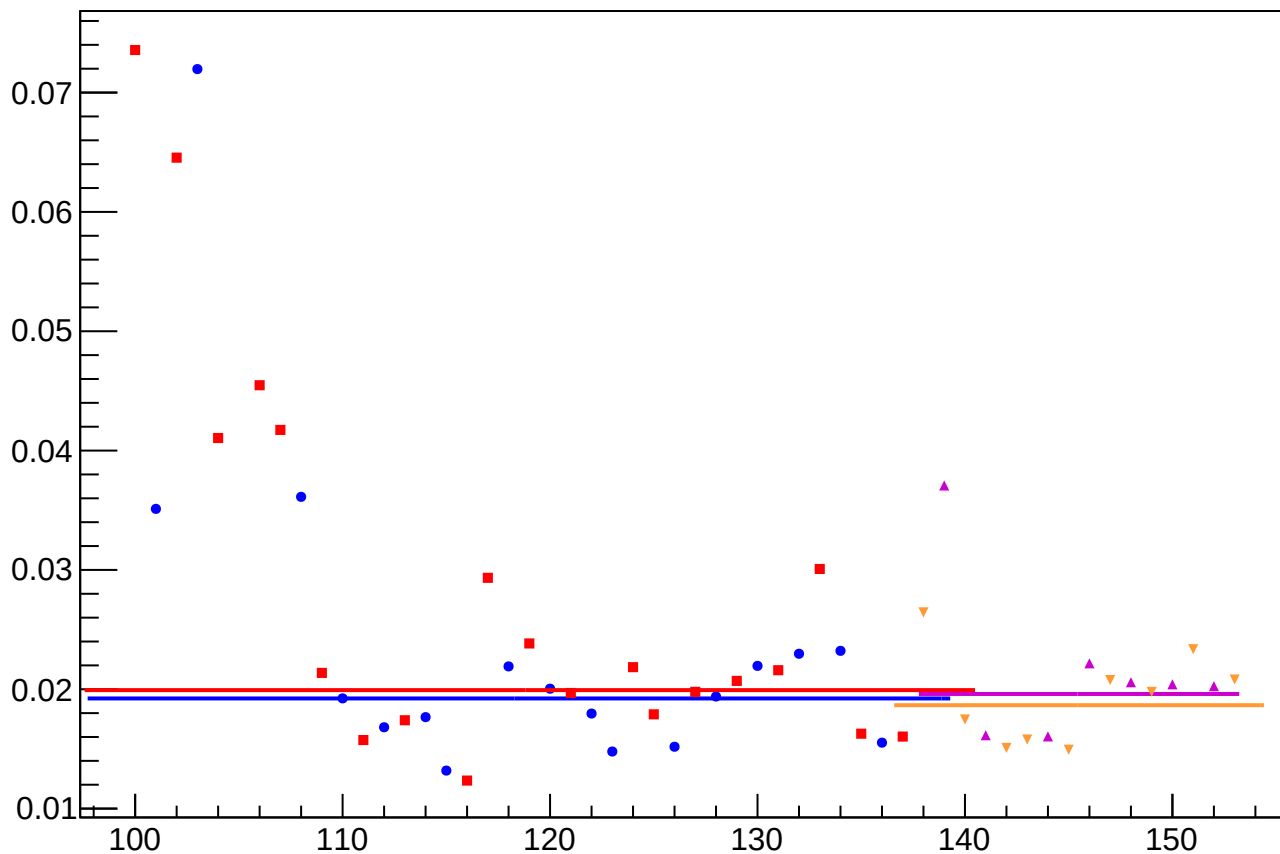
Left In: -0.098+/-0.000 χ^2/NDF : 54446049.9/6

-0.148+/-0.000 χ^2/NDF : 231639945.5/25

-0.154+/-0.000 χ^2/NDF : 485832332.0/52

-0.161+/-0.000 χ^2/NDF : 252024644.9/26

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 328503.5/8

Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

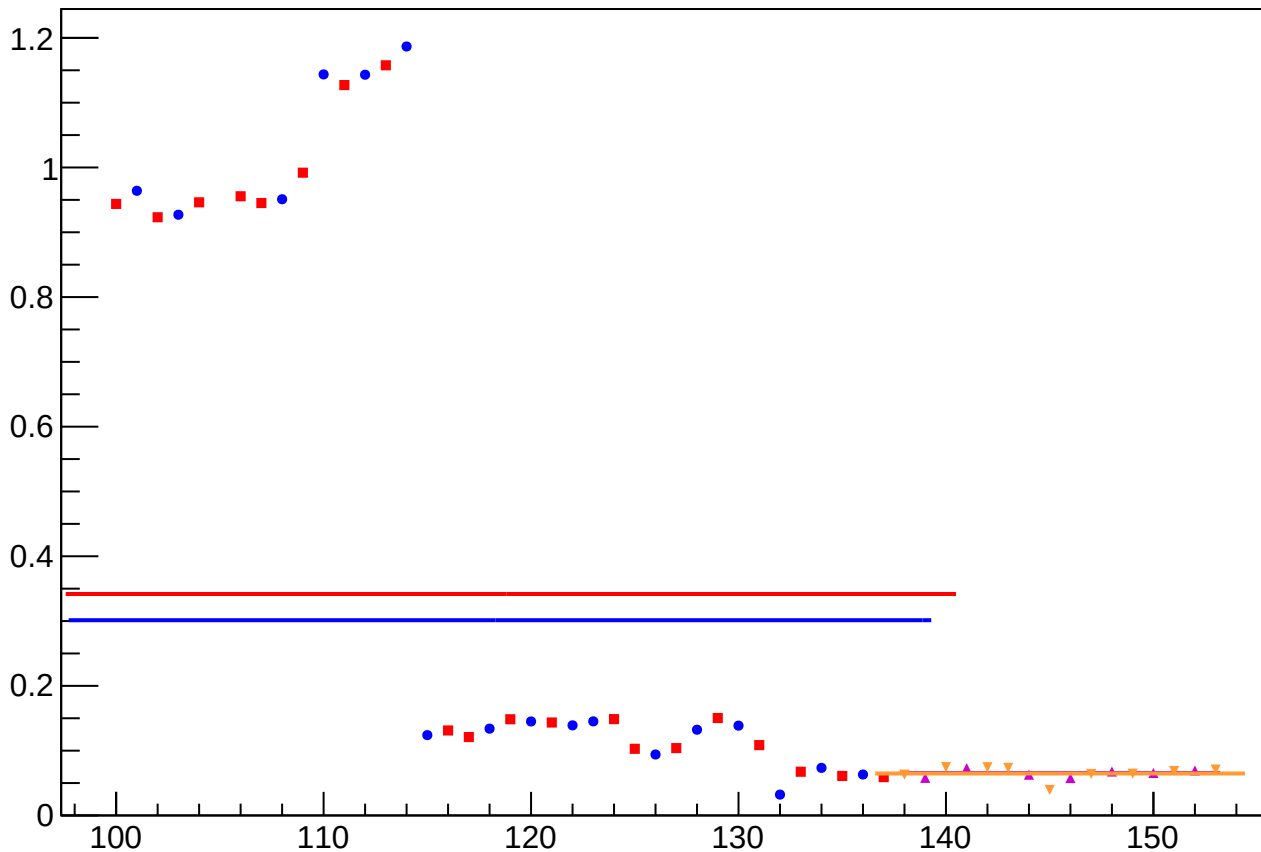
Left In: 0.020+/-0.000 χ^2/NDF : 459538.6/6

0.019+/-0.000 χ^2/NDF : 1507503.9/25

0.019+/-0.000 χ^2/NDF : 3439440.0/52

0.020+/-0.000 χ^2/NDF : 1913546.6/26

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.065+/-0.000 χ^2/NDF : 6711766.8/8

0.168+/-0.000 χ^2/NDF : 6375197709.5/25

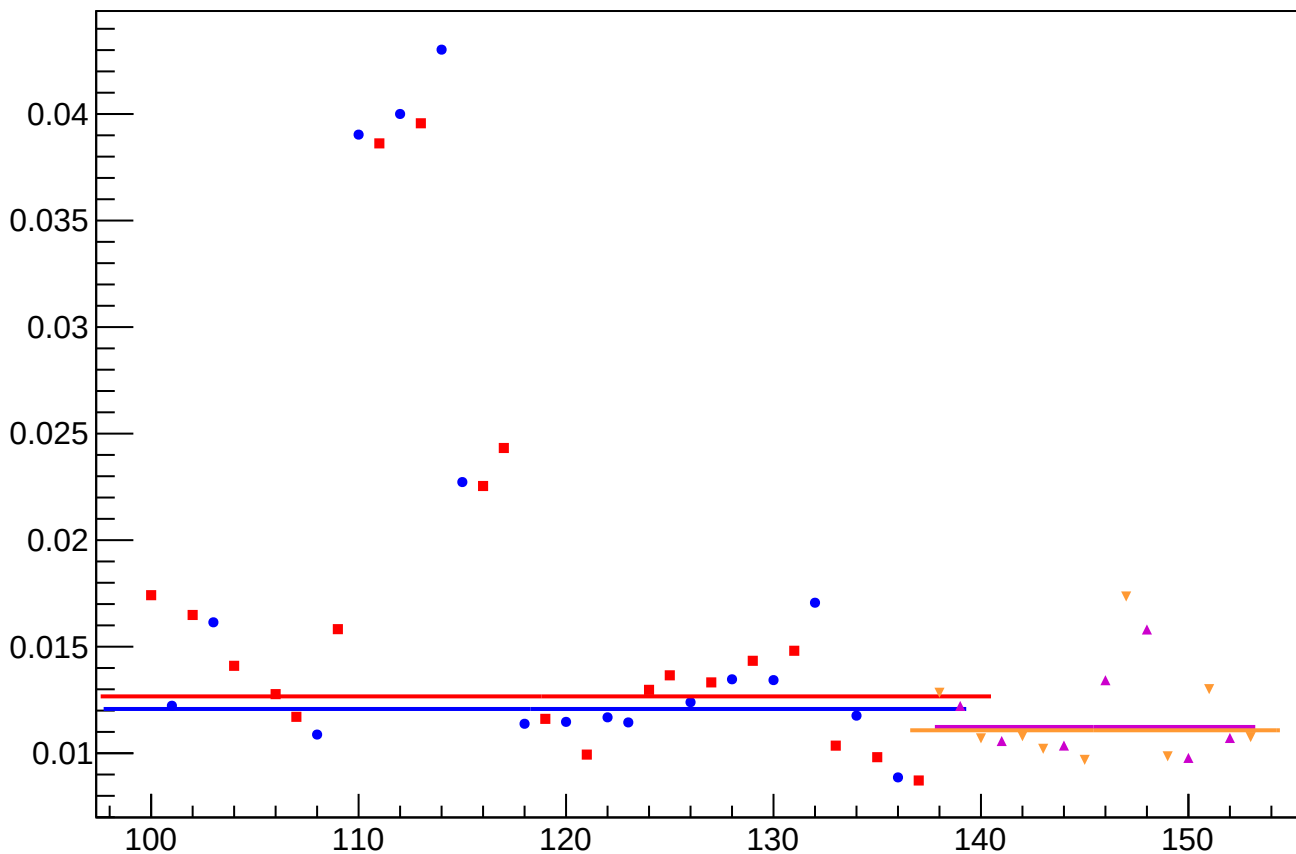
Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.180+/-0.000 χ^2/NDF : 13359224882.4/5

Left In: 0.066+/-0.000 χ^2/NDF : 1087427.4/6

0.194+/-0.000 χ^2/NDF : 6956343913.6/26

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:322280.5/8

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

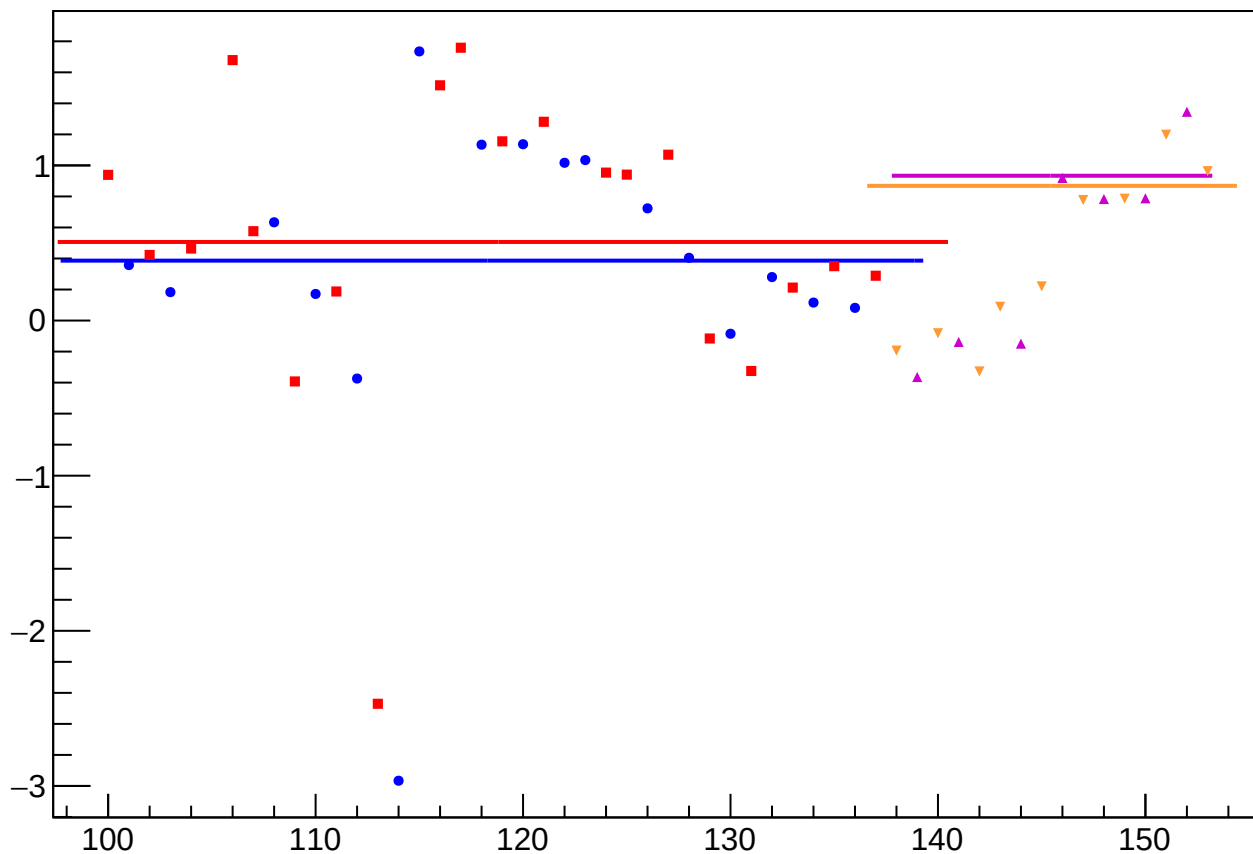
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:237363.8/6

0.012 $\pm$ 0.000 χ^2 /NDF: 1646022.9/25

0.012 $\pm$ 0.000 χ^2 /NDF: 3230974.6/52

0.012 $\pm$ 0.000 χ^2 /NDF: 1572536.3/26

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 ± 0.000 χ^2/NDF : 246380221.7/16

Left Out: 0.868 ± 0.000 χ^2/NDF : 668618618.1/8

Right Out: 0.507 ± 0.000 χ^2/NDF : 995373603.6/19

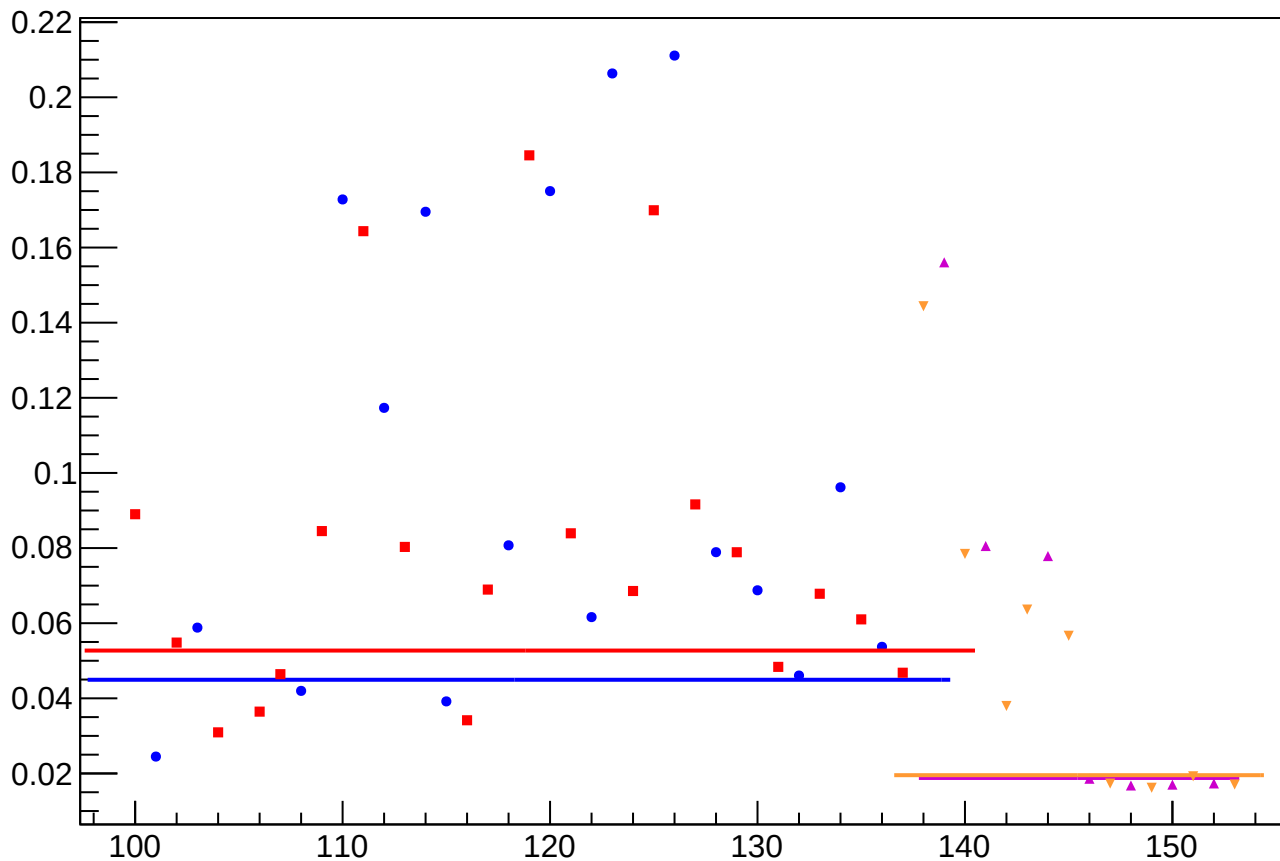
Left In: 0.934 ± 0.000 χ^2/NDF : 745005522.1/6

0.796 ± 0.000 χ^2/NDF : 1260041738.7/25

0.834 ± 0.000 χ^2/NDF : 3271301690.2/52

0.875 ± 0.000 χ^2/NDF : 1975731454.0/26

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.020+/-0.000 χ^2/NDF : 2516851.1/8

Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

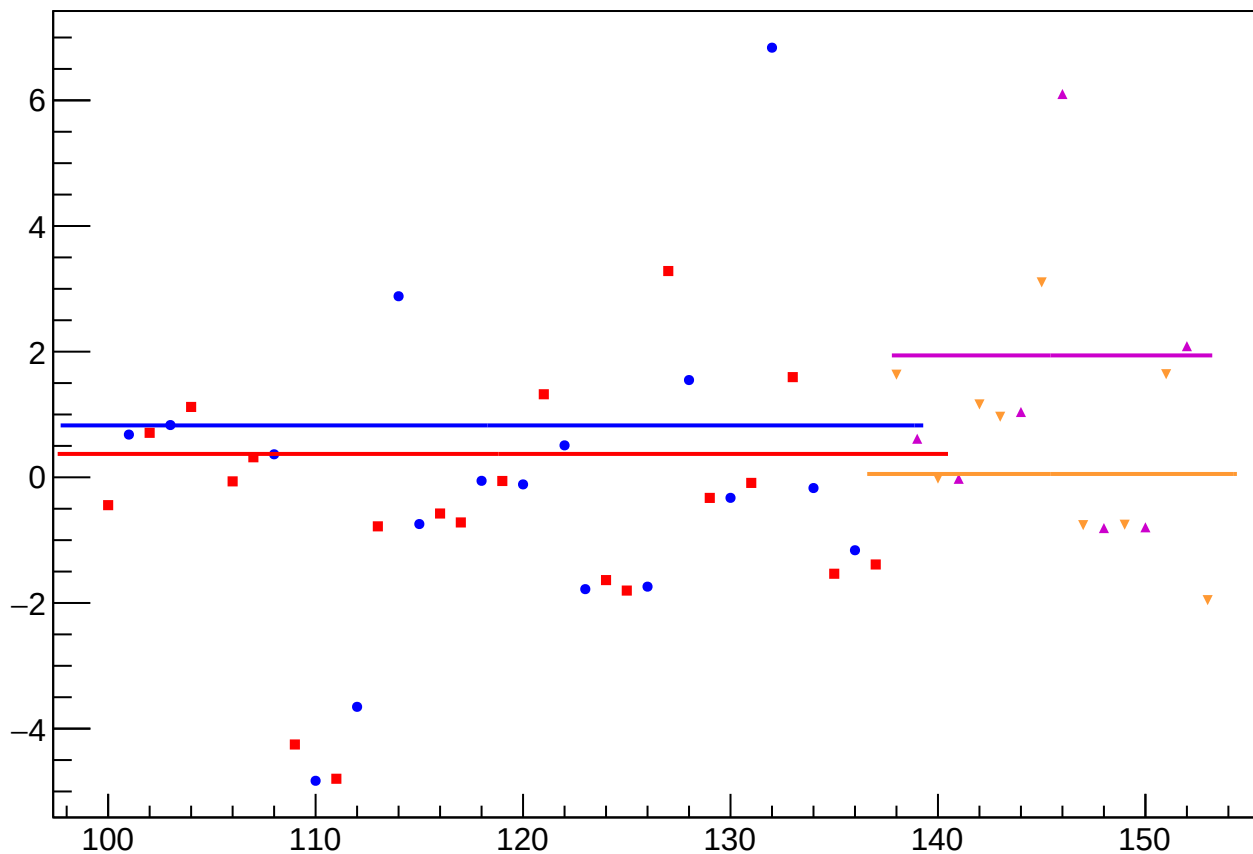
Left In: 0.019+/-0.000 χ^2/NDF : 2202466.6/6

0.023+/-0.000 χ^2/NDF : 7219680.2/25

0.023+/-0.000 χ^2/NDF : 14589002.4/52

0.023+/-0.000 χ^2/NDF : 7369271.2/26

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 $\pm$ 0.000 χ^2 /NDF: 10945455664.9/16

Left Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 51017921847.3/8

Right Out: 0.372 $\pm$ 0.000 χ^2 /NDF: 4960201861.0/19

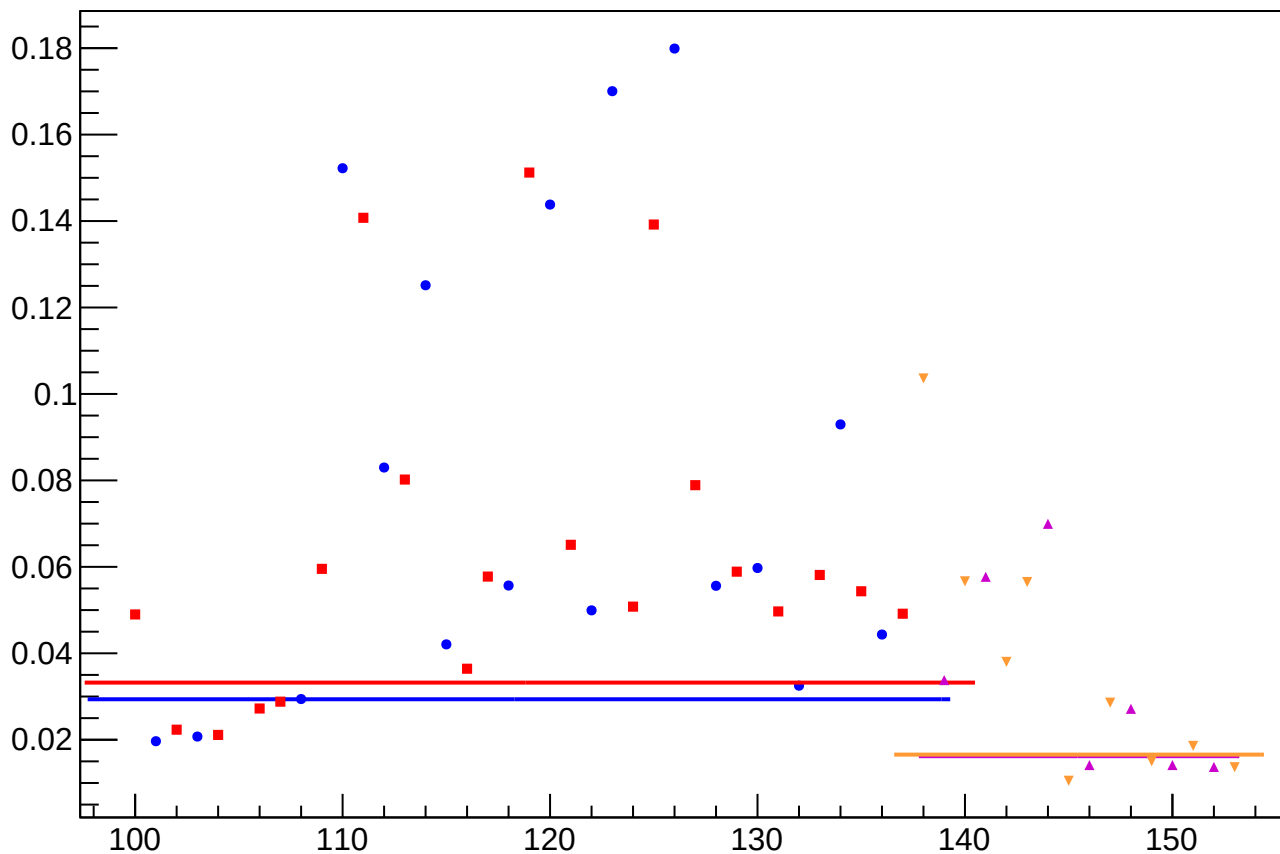
Left In: 1.940 $\pm$ 0.000 χ^2 /NDF: 100326477110.7/6

0.223 $\pm$ 0.000 χ^2 /NDF: 63795299098.2/25

0.901 $\pm$ 0.000 χ^2 /NDF: 192770691246.8/

1.616 $\pm$ 0.000 χ^2 /NDF: 112117293949.9/26

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2436515.1/8

Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

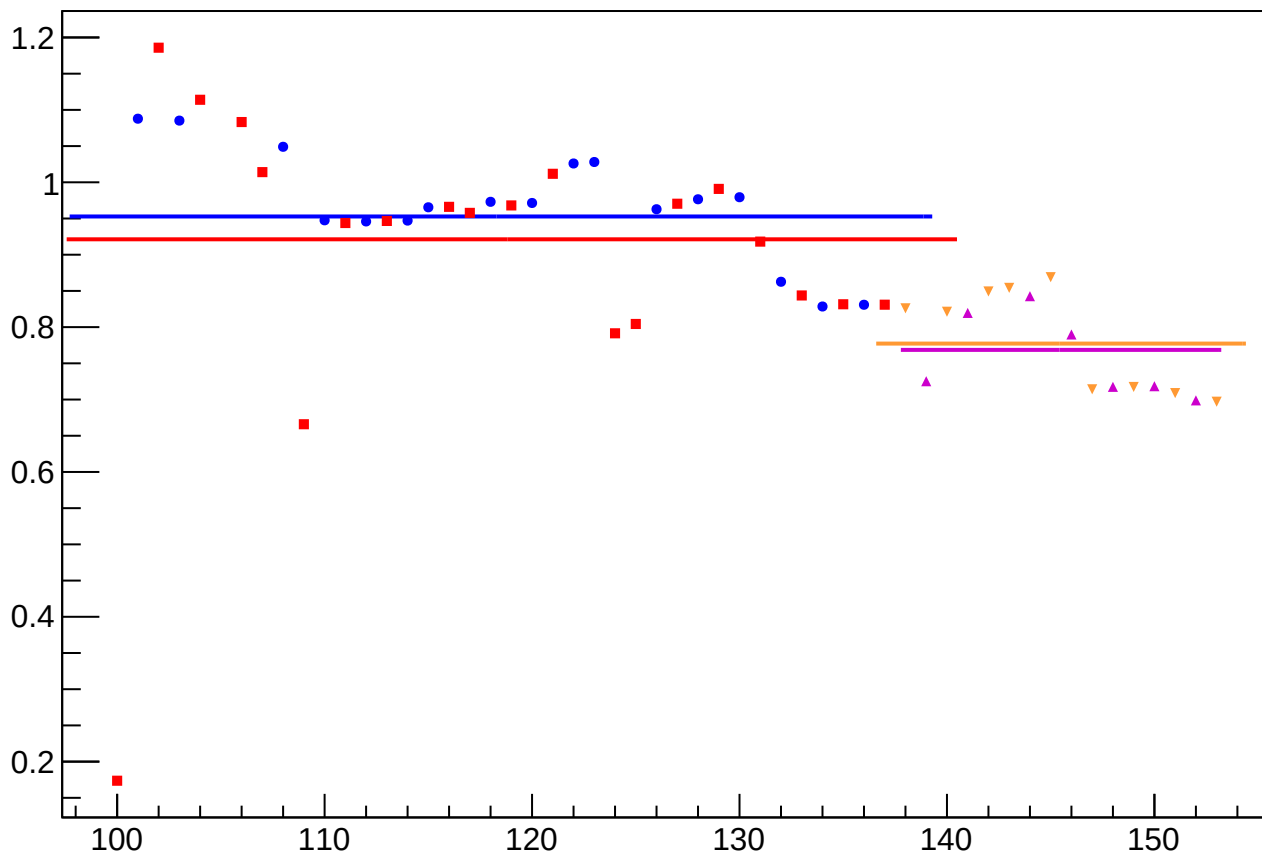
Left In: 0.016+/-0.000 χ^2/NDF : 1613017.0/6

0.019+/-0.000 χ^2/NDF : 6429734.1/25

0.020+/-0.000 χ^2/NDF : 12767848.0/52

0.020+/-0.000 χ^2/NDF : 6336096.8/26

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.777+/-0.000 χ^2/NDF : 170021643.0/8

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

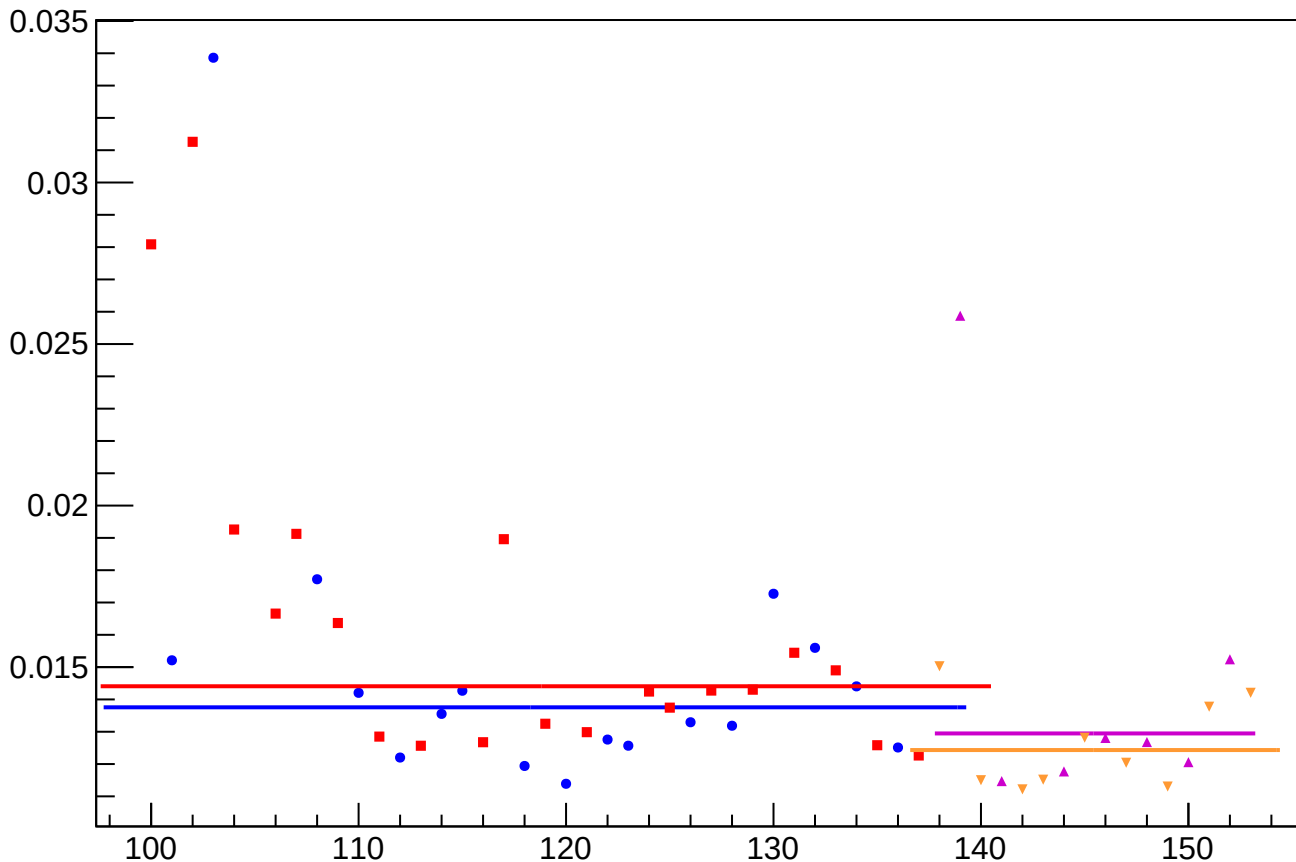
Left In: 0.769+/-0.000 χ^2/NDF : 89701114.9/6

0.857+/-0.000 χ^2/NDF : 856519012.7/25

0.851+/-0.000 χ^2/NDF : 1669693591.3/52

0.845+/-0.000 χ^2/NDF : 808347377.9/26

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:112914.3/8

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 508622.9/19

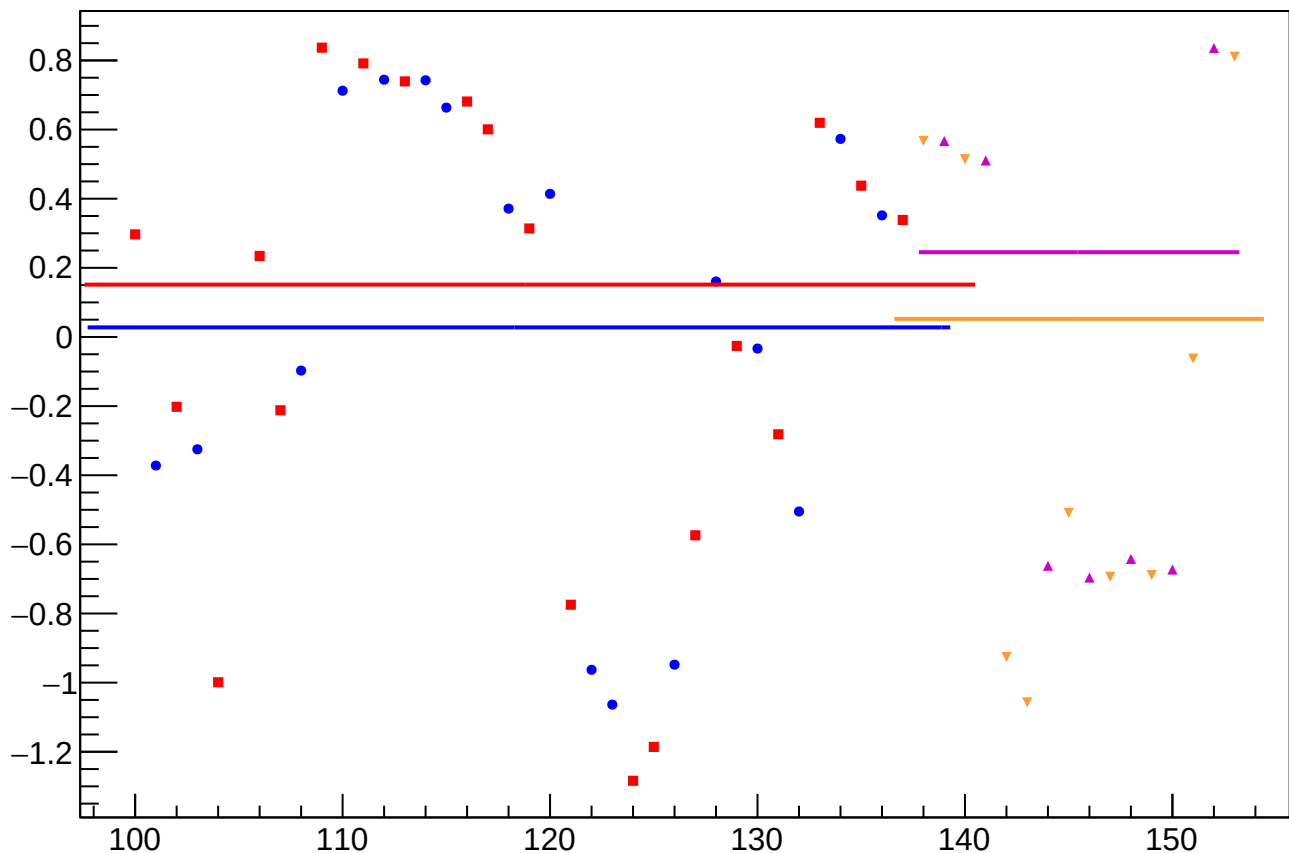
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:432037.1/6

0.013 $\pm$ 0.000 χ^2 /NDF: 709385.7/25

0.013 $\pm$ 0.000 χ^2 /NDF: 1738768.8/52

0.014 $\pm$ 0.000 χ^2 /NDF: 1003635.1/26

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.052 $\pm$ 0.000 χ^2/NDF : 19037326169.5/8

Right Out: 0.152 $\pm$ 0.000 χ^2/NDF : 12665480117.0/19

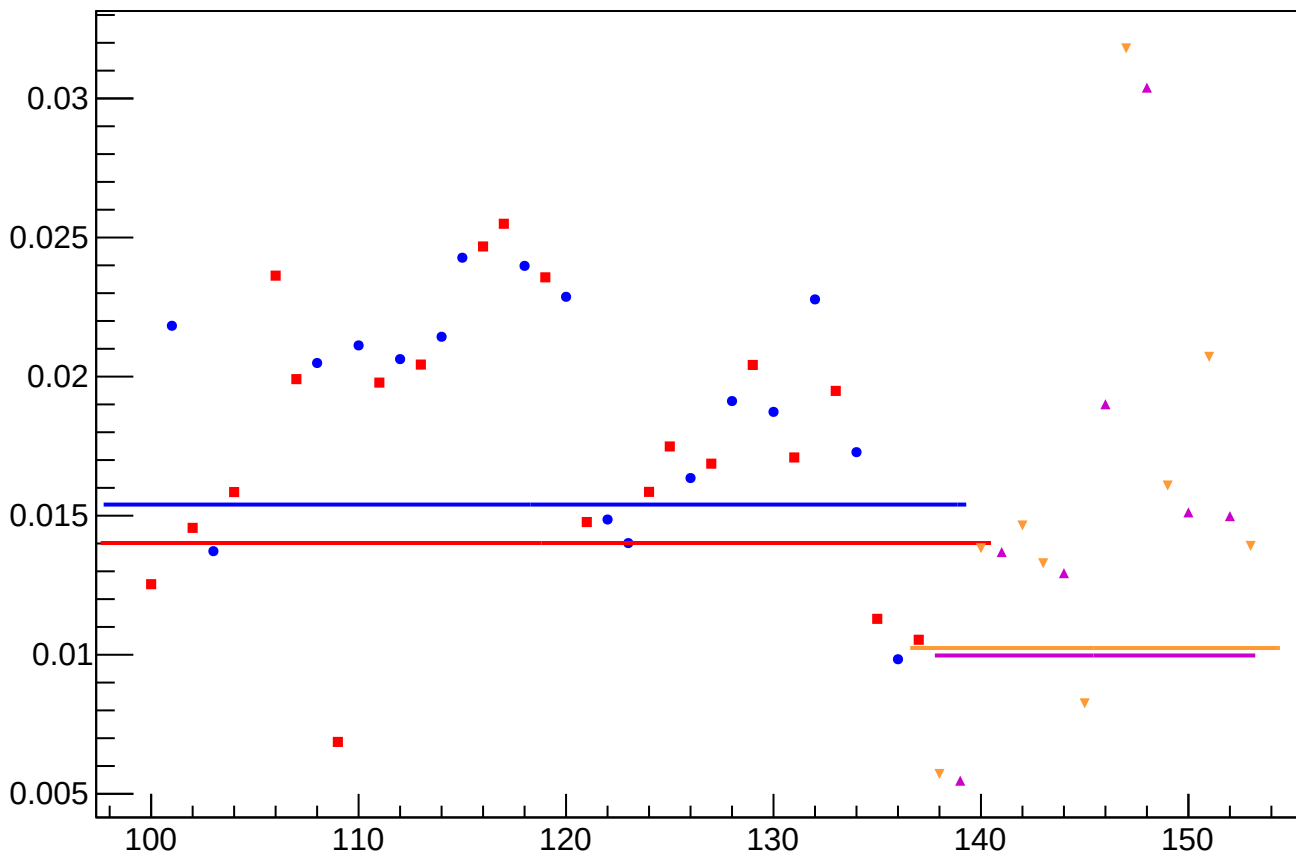
Left In: 0.245 $\pm$ 0.000 χ^2/NDF : 13451806887.9/6

0.044 $\pm$ 0.000 χ^2/NDF : 25323708782.1/25

0.126 $\pm$ 0.000 χ^2/NDF : 52519744062.2/5

0.207 $\pm$ 0.000 χ^2/NDF : 26266441356.8/26

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 2417832.9/8

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1576882.7/19

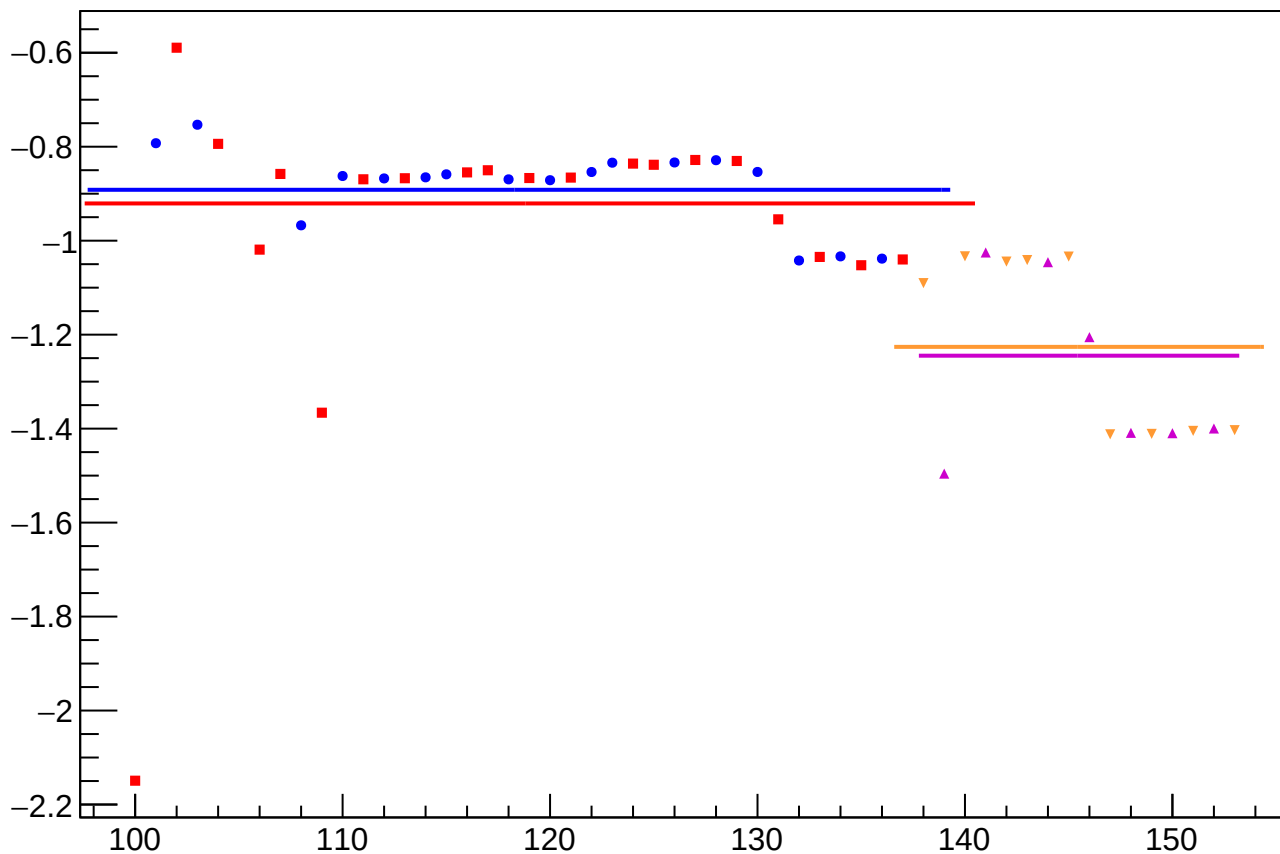
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 2496253.7/6

0.012 $\pm$ 0.000 χ^2/NDF : 4388576.4/25

0.012 $\pm$ 0.000 χ^2/NDF : 9026828.5/52

0.012 $\pm$ 0.000 χ^2/NDF : 4628306.9/26

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.226+/-0.000 χ^2/NDF : 185757060.8/8

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

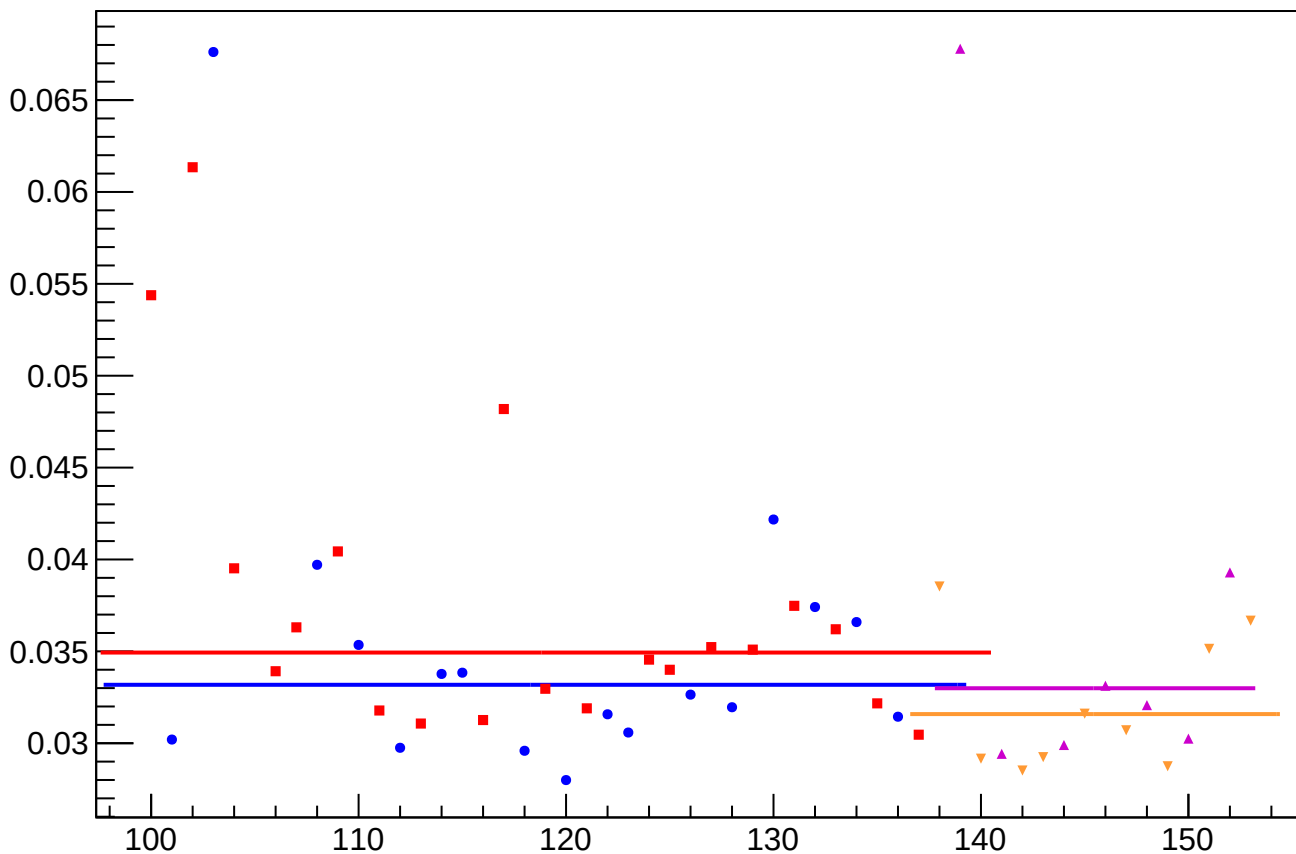
Left In: -1.245+/-0.000 χ^2/NDF : 137286360.7/6

-1.064+/-0.000 χ^2/NDF : 529066348.7/25

-1.068+/-0.000 χ^2/NDF : 1049402518.1/52

-1.074+/-0.000 χ^2/NDF : 519815781.8/26

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.032+/-0.000 χ^2/NDF :120718.9/8

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

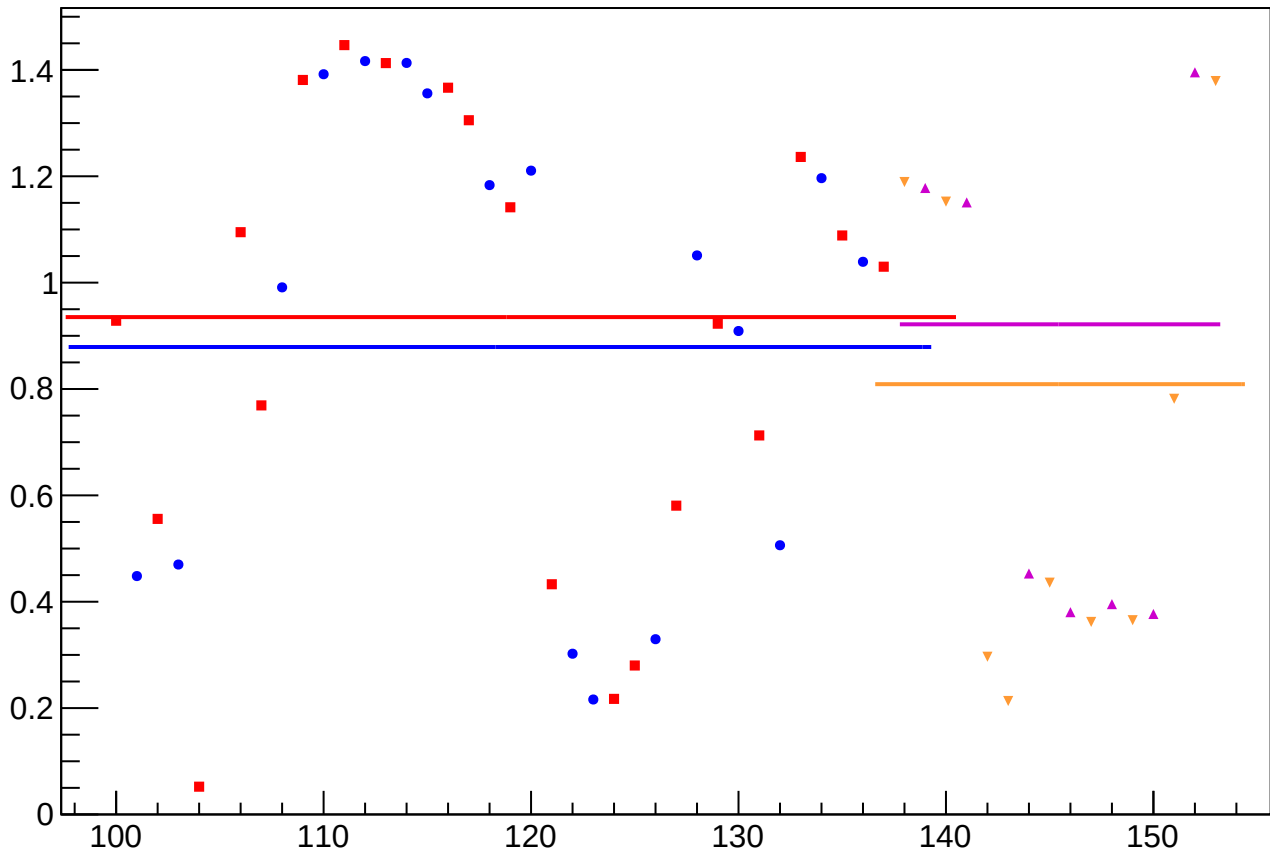
Left In: 0.033+/-0.000 χ^2/NDF :458826.2/6

0.032+/-0.000 χ^2/NDF : 534624.5/25

0.033+/-0.000 χ^2/NDF : 1320781.7/52

0.034+/-0.000 χ^2/NDF : 758142.1/26

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.809+/-0.000 χ^2/NDF : 15070480738.7/8

Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

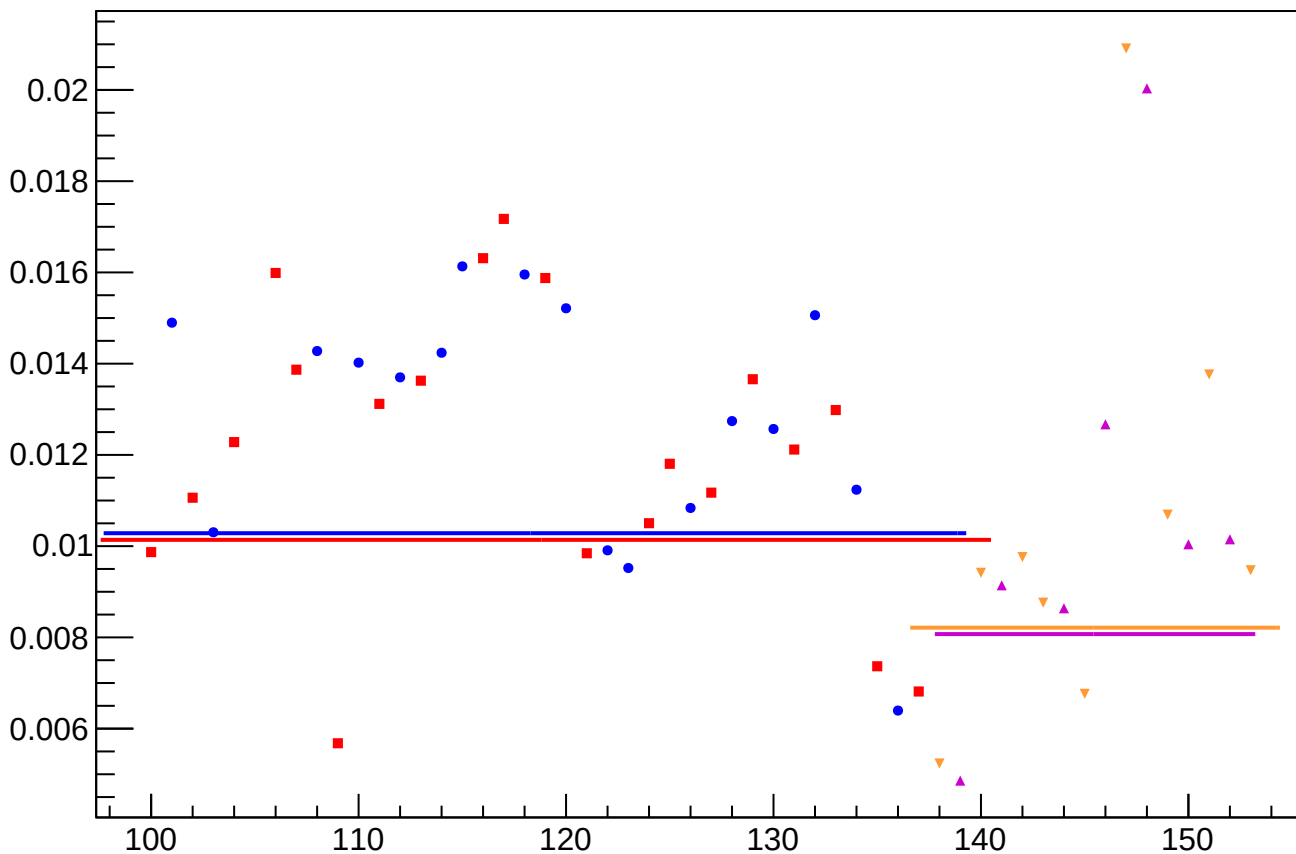
Left In: 0.922+/-0.000 χ^2/NDF : 10901617150.7/6

0.837+/-0.000 χ^2/NDF : 21597472261.0/25

0.881+/-0.000 χ^2/NDF : 42892618015.5/5

0.928+/-0.000 χ^2/NDF : 20752434655.9/26

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 1433054.0/8

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1189529.0/19

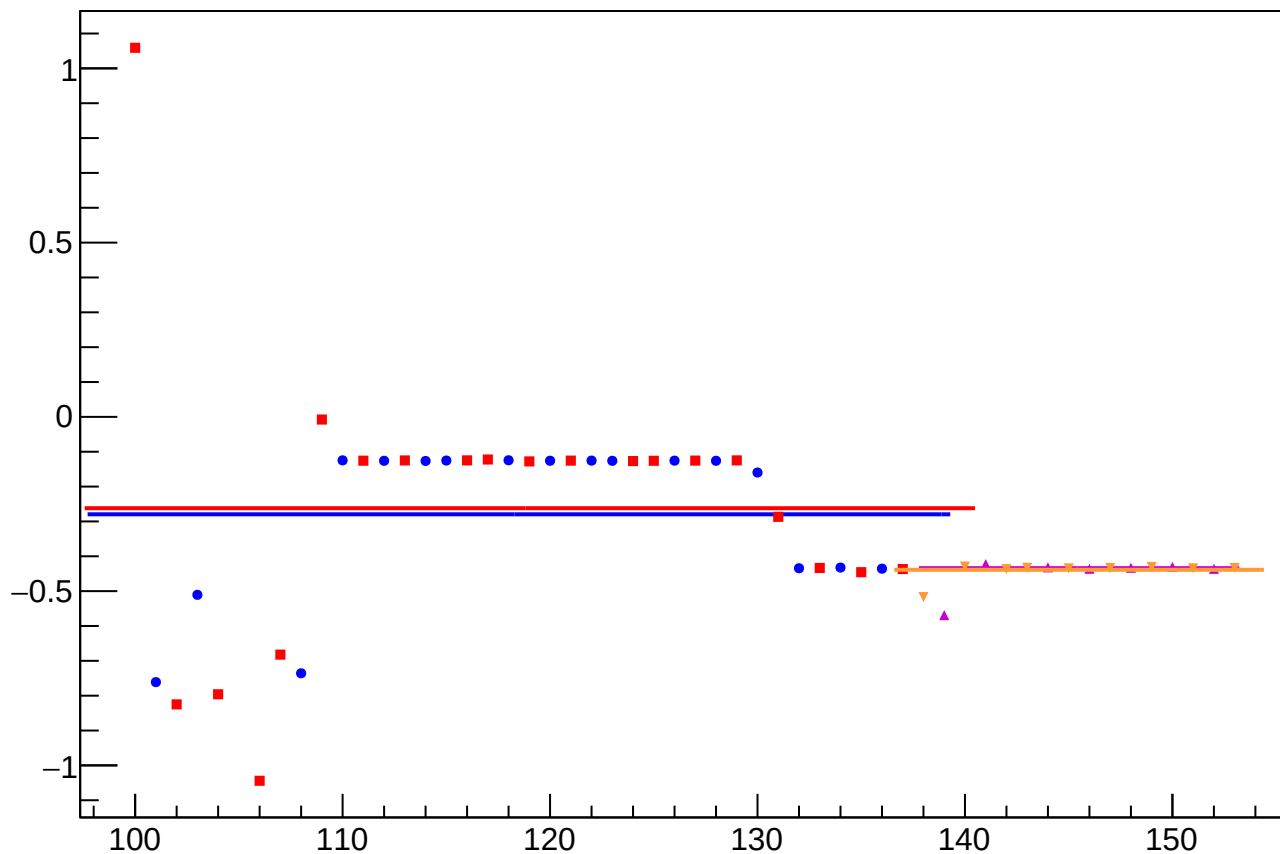
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1483342.0/6

0.009 $\pm$ 0.000 χ^2/NDF : 2913425.2/25

0.009 $\pm$ 0.000 χ^2/NDF : 5857800.0/52

0.009 $\pm$ 0.000 χ^2/NDF : 2944143.8/26

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 +/- 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.439 +/- 0.000 χ^2/NDF : 23985677.5/8

Right Out: -0.262 +/- 0.000 χ^2/NDF : 1007161741.8/19

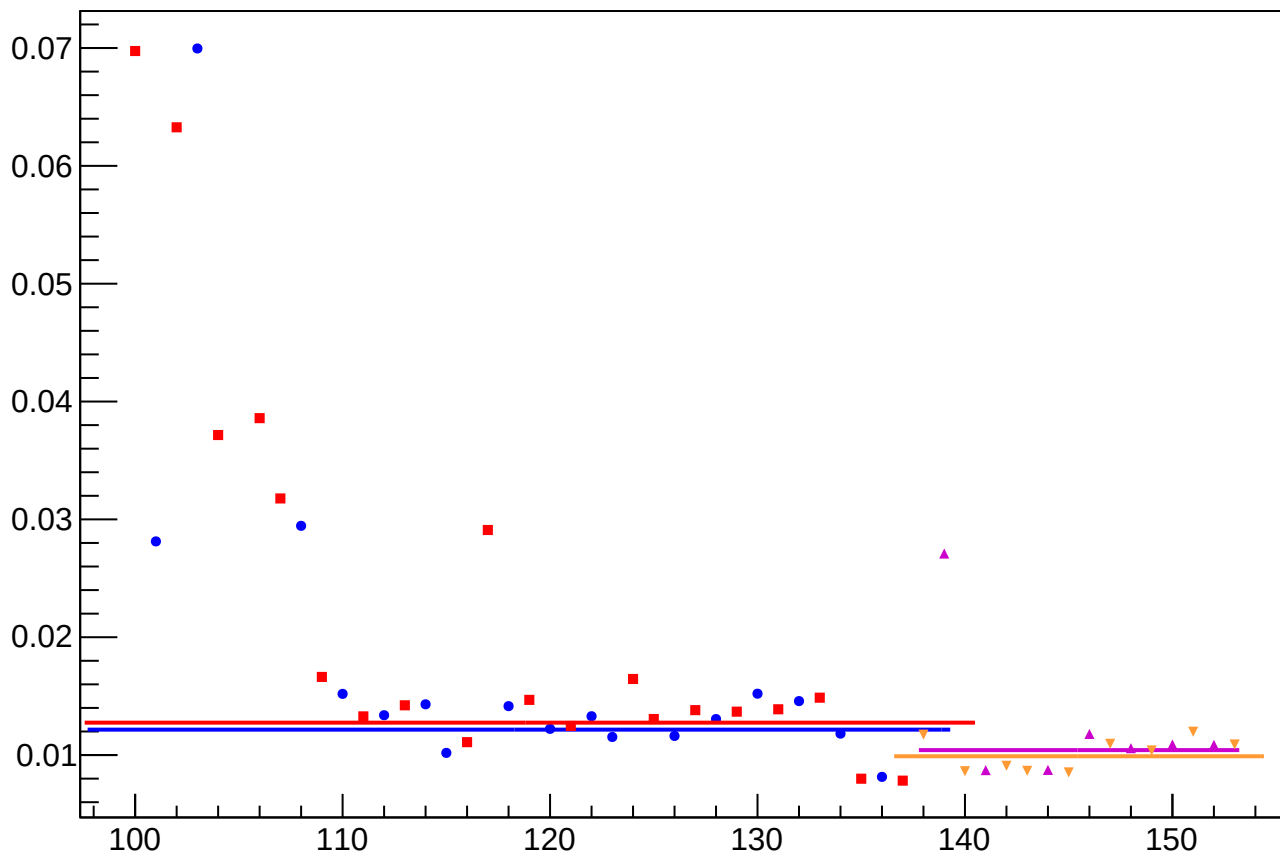
Left In: -0.434 +/- 0.000 χ^2/NDF : 18858581.0/6

-0.380 +/- 0.000 χ^2/NDF : 1454242253.5/25

-0.371 +/- 0.000 χ^2/NDF : 3005616796.0/52

-0.362 +/- 0.000 χ^2/NDF : 1539297027.8/26

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 174907.3/8

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1991972.4/19

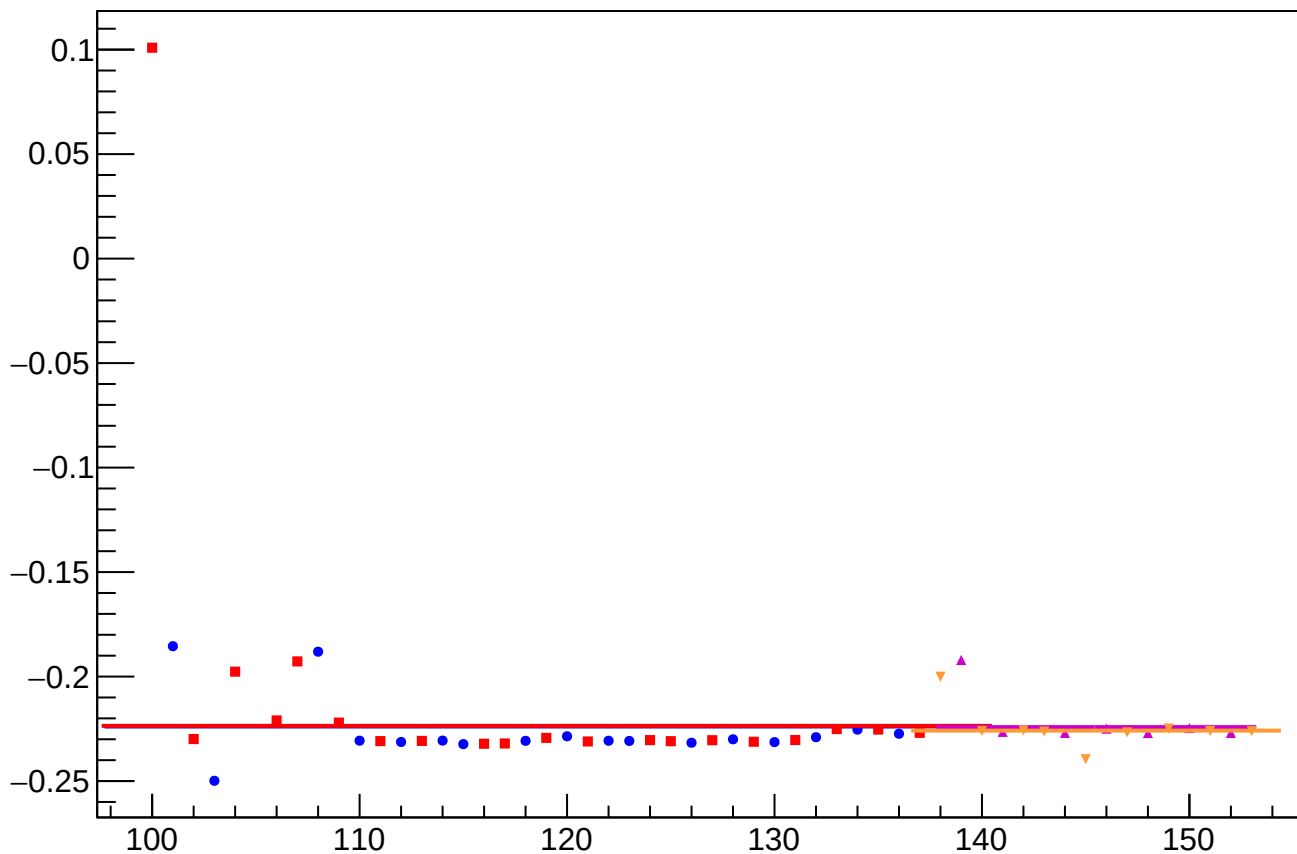
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 658997.1/6

0.011 $\pm$ 0.000 χ^2 /NDF: 2099584.9/25

0.011 $\pm$ 0.000 χ^2 /NDF: 4972499.6/52

0.011 $\pm$ 0.000 χ^2 /NDF: 2839289.4/26

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 : 20515778.9/8

Right Out: -0.224 +/- 0.000 χ^2/NDF : 168229582.1/19

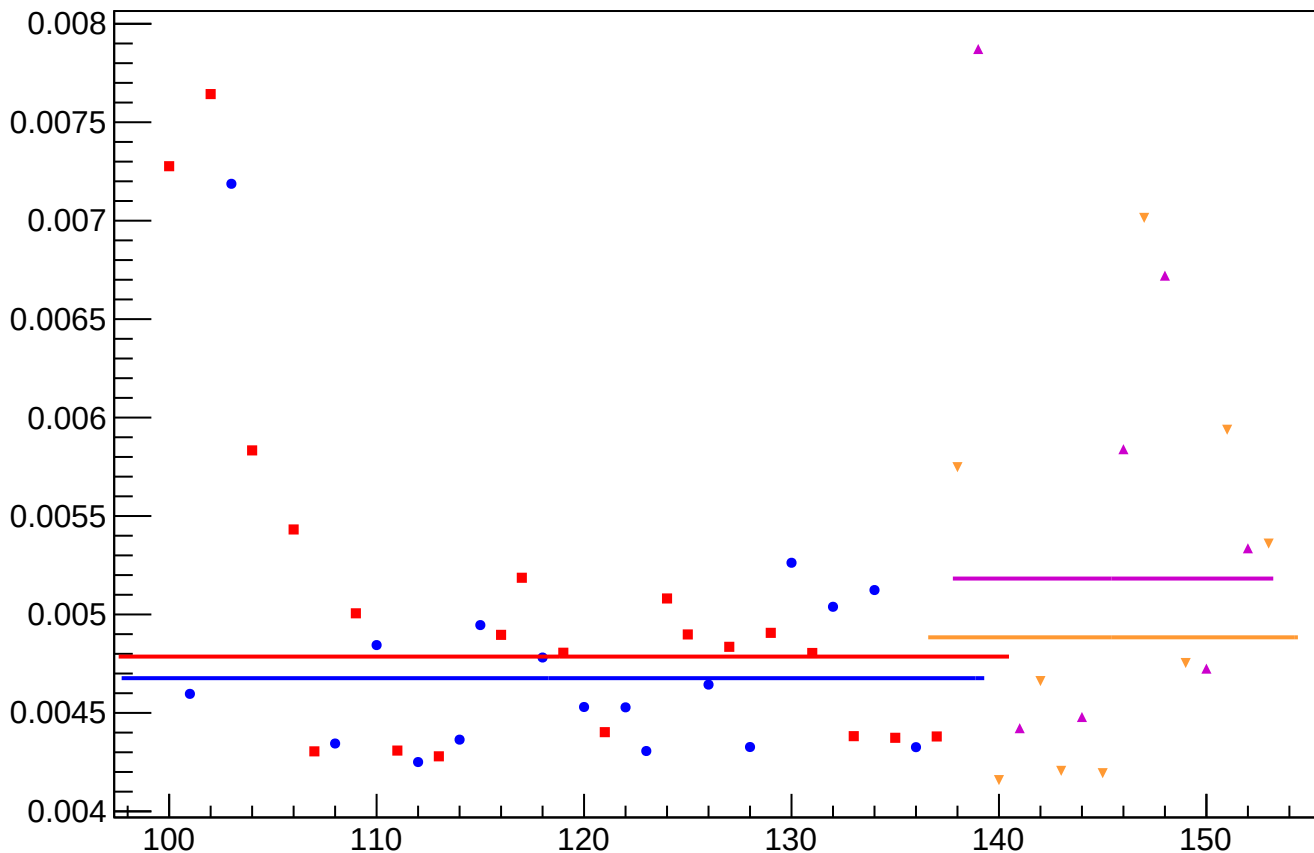
Left In: -0.224 +/- 0.000 χ^2/NDF : 12326461.7/6

-0.225 +/- 0.000 χ^2/NDF : 95623479.8/25

-0.224 +/- 0.000 χ^2/NDF : 276464633.4/52

-0.224 +/- 0.000 χ^2/NDF : 180596145.8/26

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 345009.6/8

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

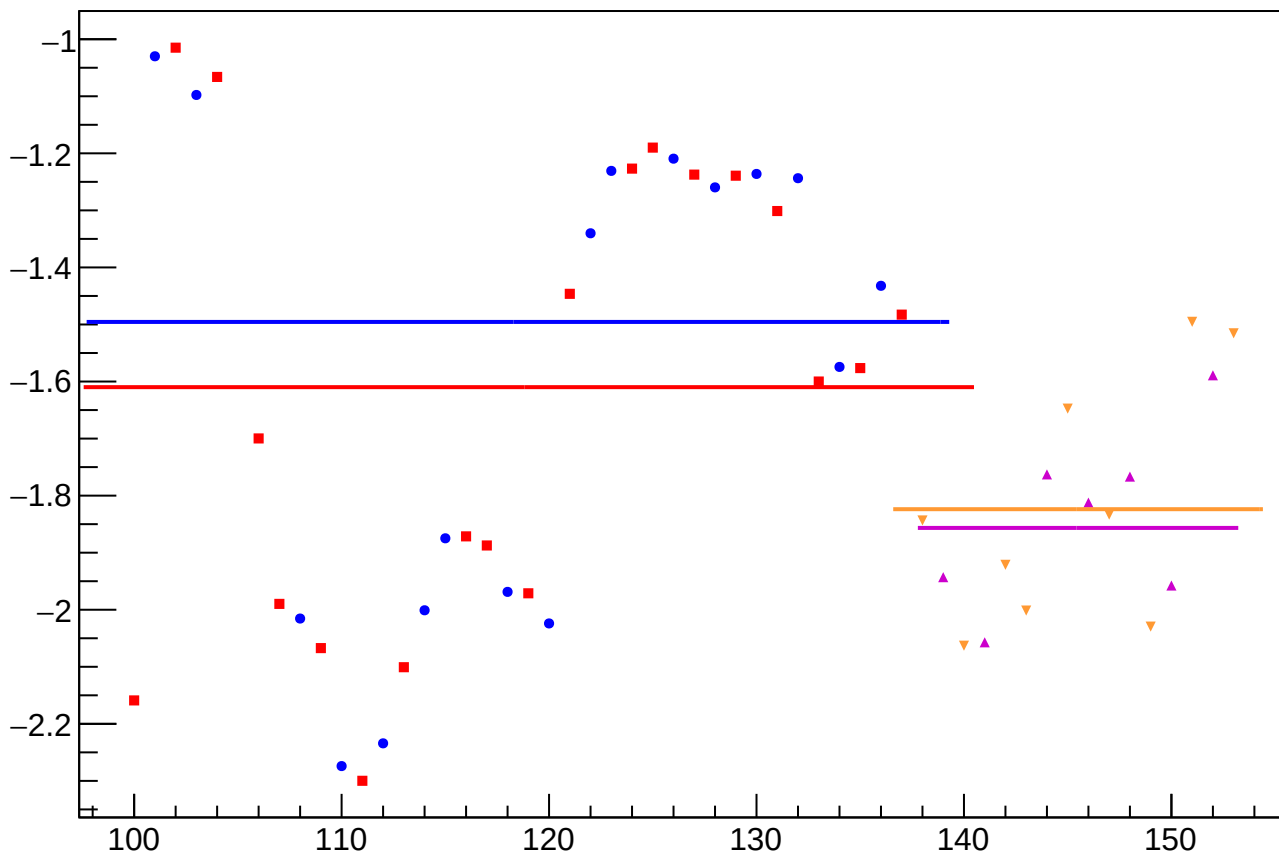
Left In: 0.005+/-0.000 χ^2/NDF : 359927.5/6

0.005+/-0.000 χ^2/NDF : 537003.5/25

0.005+/-0.000 χ^2/NDF : 1196350.2/52

0.005+/-0.000 χ^2/NDF : 644588.6/26

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.824+/-0.000 χ^2/NDF : 7552079590.5/8

-1.677+/-0.000 χ^2/NDF : 38319211432.6/25

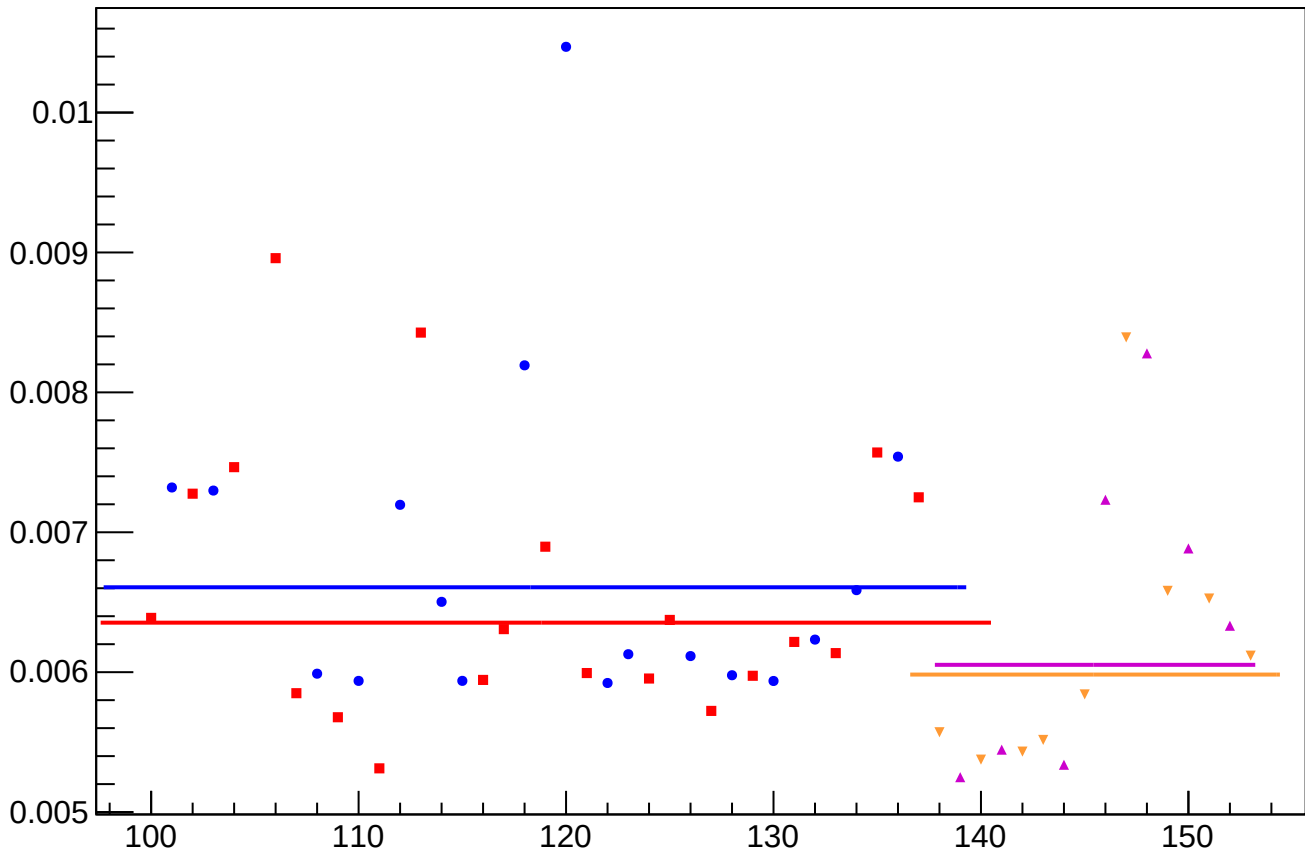
Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

-1.700+/-0.000 χ^2/NDF : 74493541092.3/5

-1.724+/-0.000 χ^2/NDF : 35823350345.9/26

Left In: -1.857+/-0.000 χ^2/NDF : 3243196462.7/6

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 : 184677.0/8

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

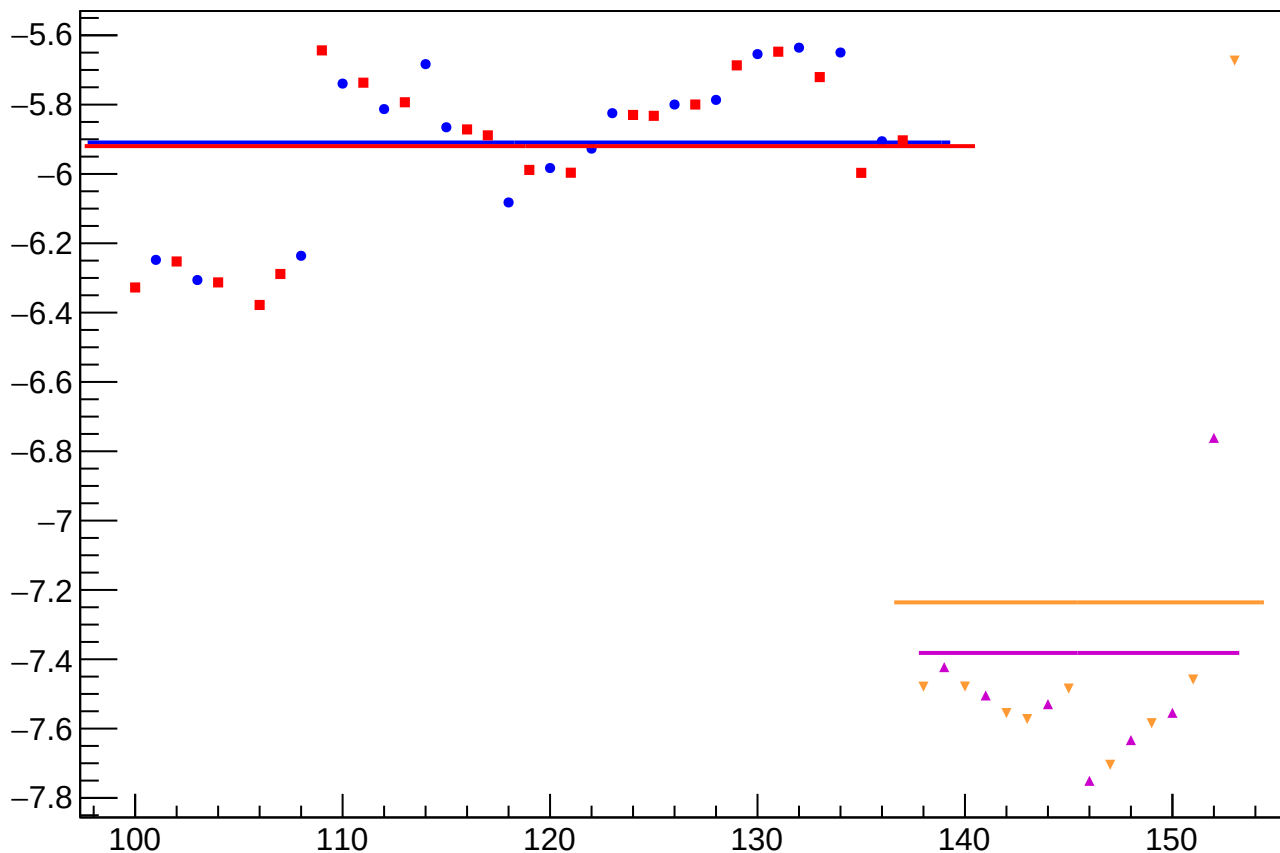
Left In: 0.006+/-0.000 χ^2/NDF : 249580.0/6

0.006+/-0.000 χ^2/NDF : 445689.2/25

0.006+/-0.000 χ^2/NDF : 937148.6/52

0.006+/-0.000 χ^2/NDF : 490735.7/26

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.236+/-0.000 χ^2/NDF : 38255060197.4/8

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

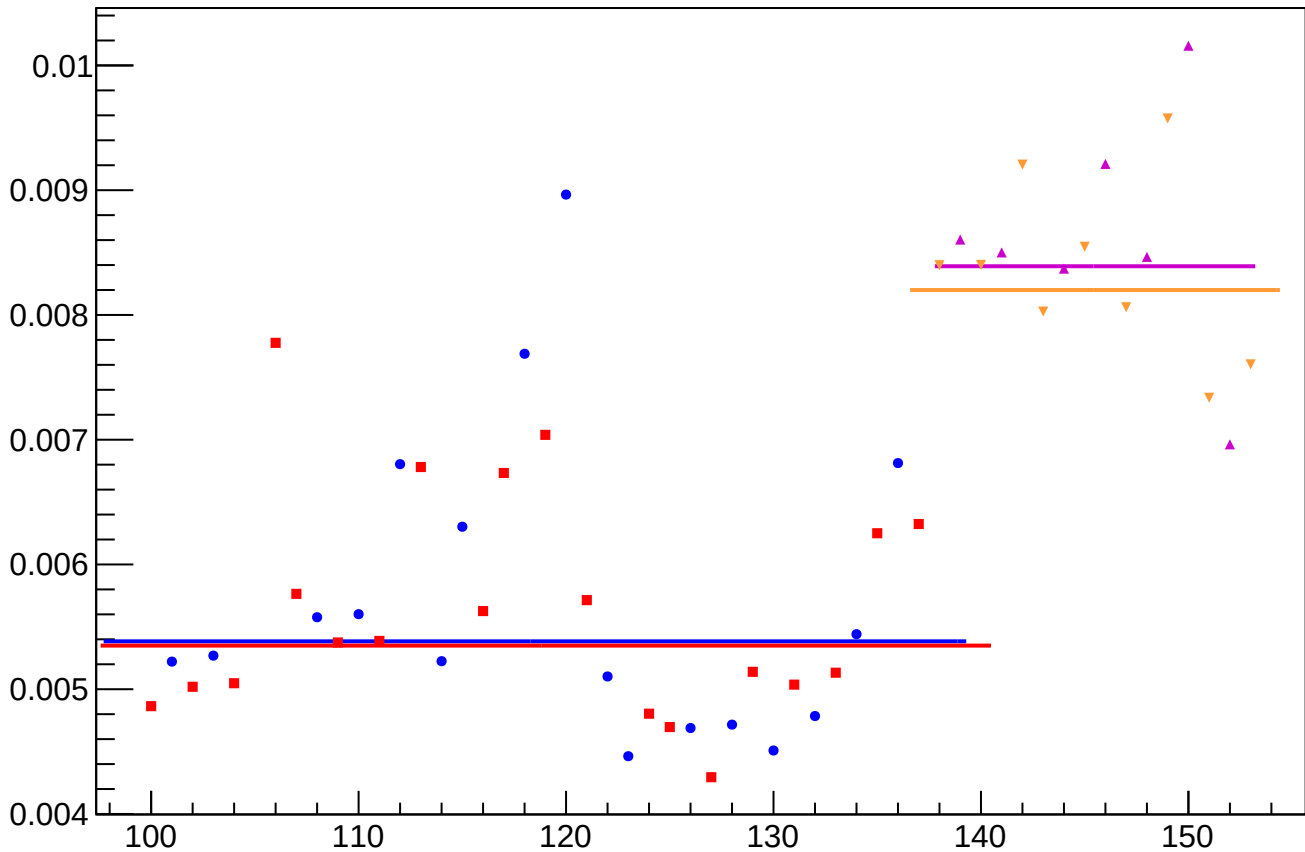
Left In: -7.382+/-0.000 χ^2/NDF : 8117407709.4/6

-6.288+/-0.000 χ^2/NDF : 150940431978.8/25

-6.275+/-0.000 χ^2/NDF : 283948566877.6

-6.262+/-0.000 χ^2/NDF : 132913412239.2/26

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 : 67865.6/8

Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

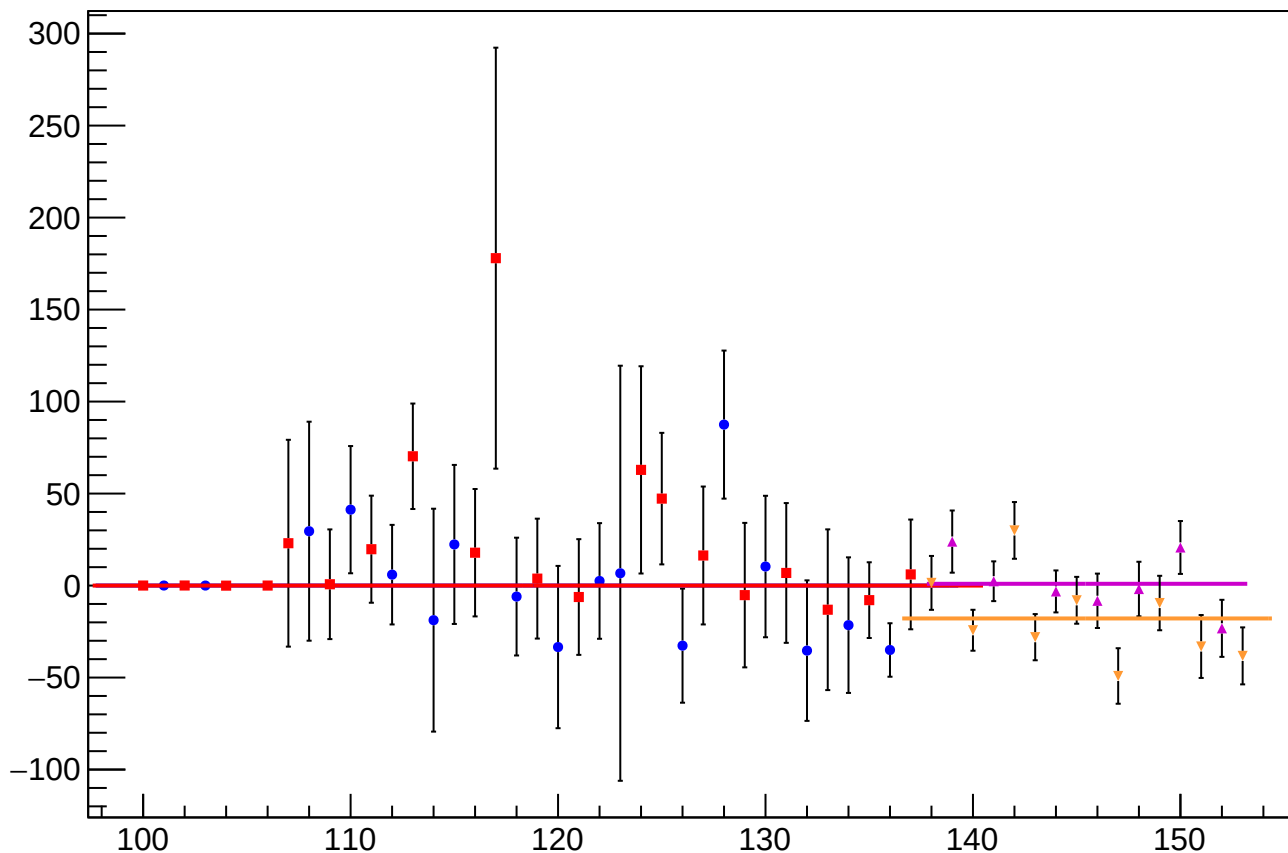
Left In: 0.008+/-0.000 χ^2/NDF : 117641.0/6

0.006+/-0.000 χ^2/NDF : 1330631.5/25

0.006+/-0.000 χ^2/NDF : 2669934.8/52

0.006+/-0.000 χ^2/NDF : 1334771.9/26

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2/NDF : 15.8/16

Left Out: -17.875 $\pm$ 4.662 χ^2/NDF : 20.1/8

Right Out: -0.003 $\pm$ 0.016 χ^2/NDF : 17.7/19

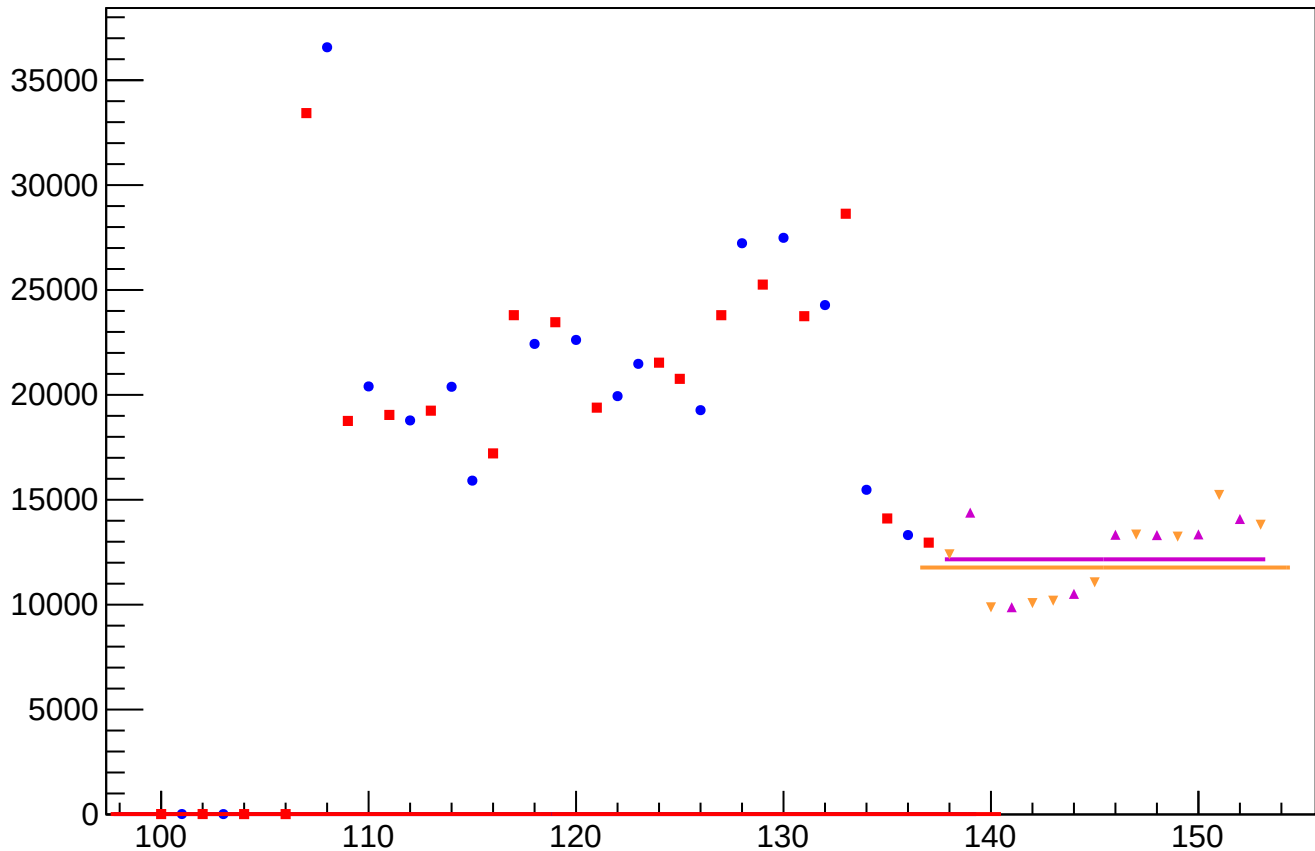
Left In: 0.961 $\pm$ 5.137 χ^2/NDF : 6.7/6

0.013 $\pm$ 0.017 χ^2/NDF : 50.6/25

0.004 $\pm$ 0.012 χ^2/NDF : 75.6/52

-0.003 $\pm$ 0.016 χ^2/NDF : 24.5/26

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2 /NDF: 10841561.4/16

Left Out: 11770.359+/-3.297 χ^2 /NDF: 281990.3/8

Right Out: 18.312+/-0.011 χ^2 /NDF: 11189737.0/19

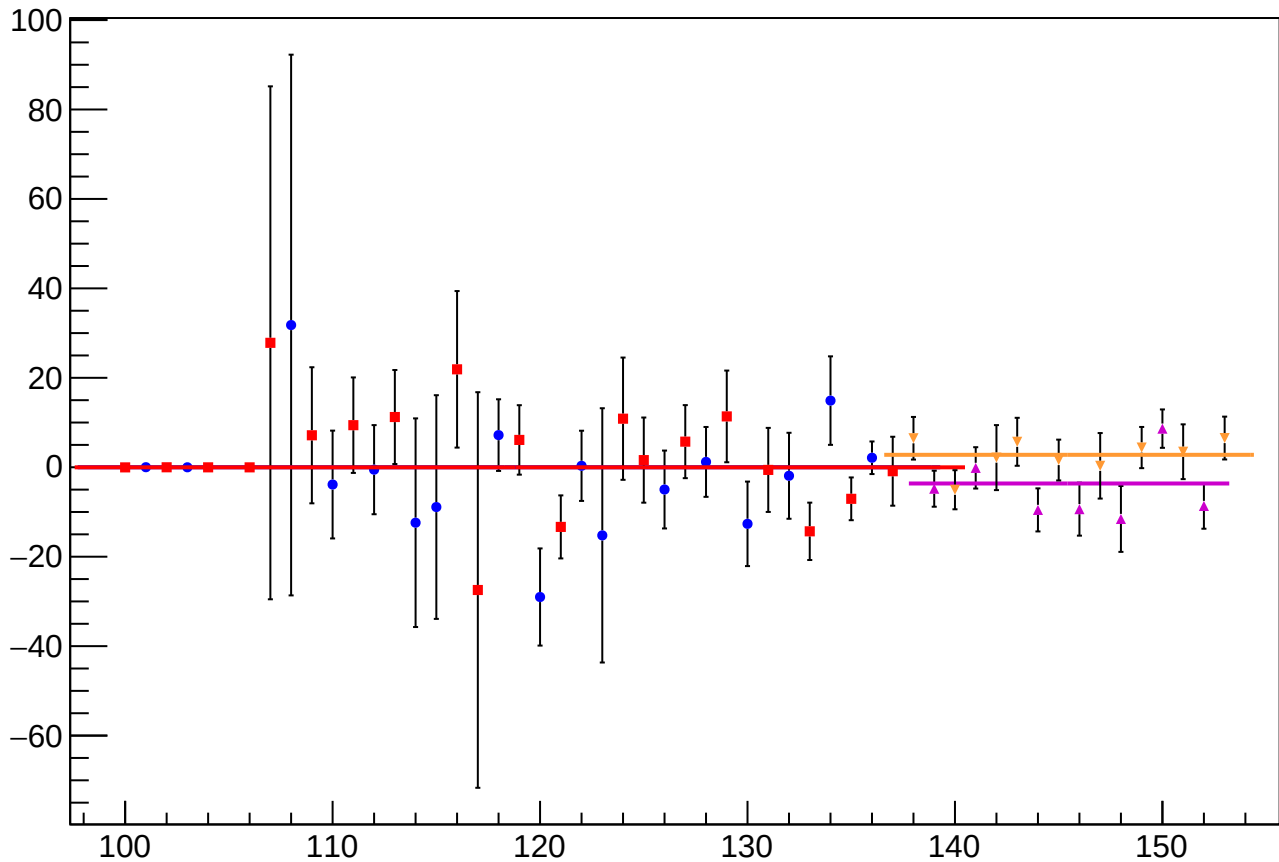
Left In: 12161.125+/-3.633 χ^2 /NDF: 234763.8/6

18.803+/-0.012 χ^2 /NDF: 23831518.0/25

18.603+/-0.008 χ^2 /NDF: 46429315.6/52

18.431+/-0.011 χ^2 /NDF: 22597300.7/26

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 14.9/16$

Left Out: 2.783 ± 1.730 $\chi^2/\text{NDF}: 5.0/8$

Right Out: -0.014 ± 0.009 $\chi^2/\text{NDF}: 18.8/19$

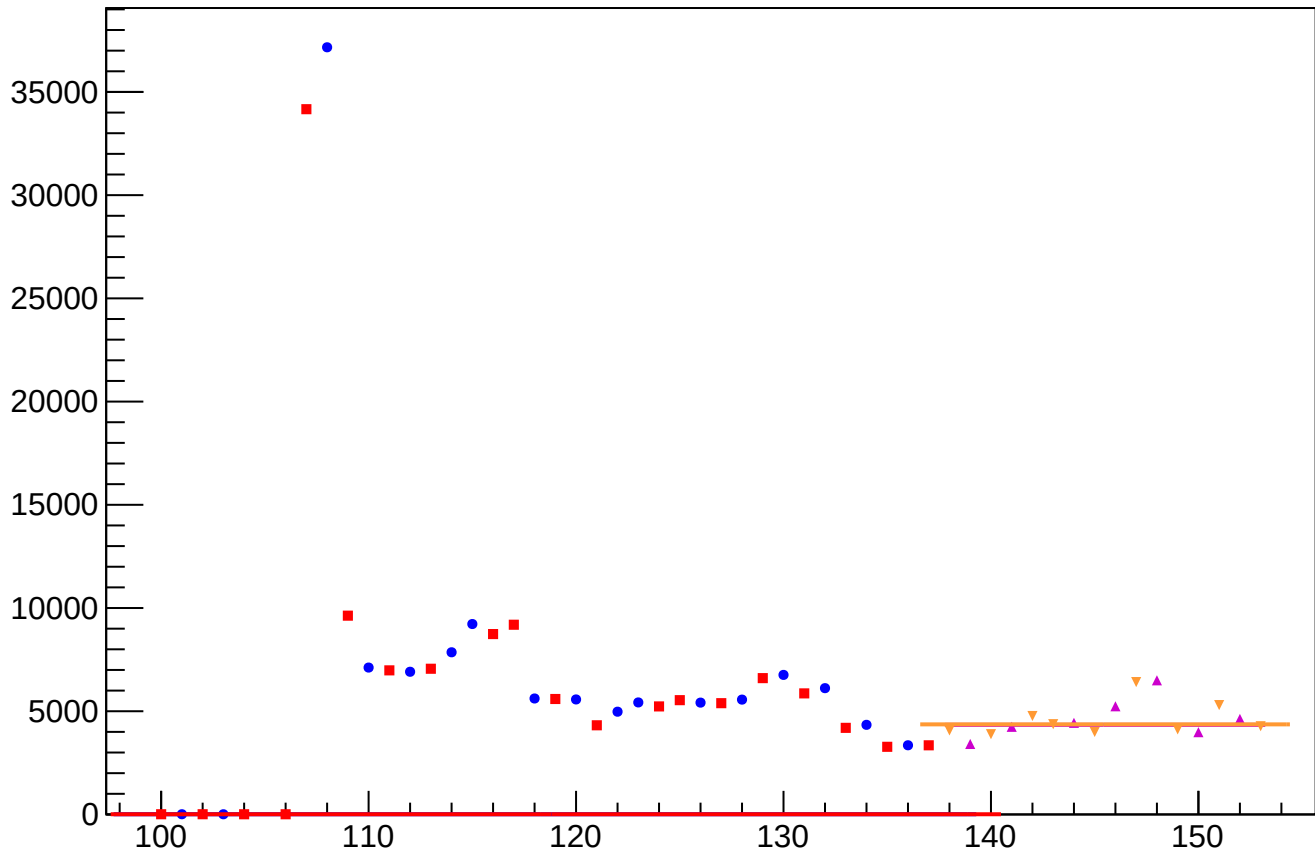
Left In: -3.629 ± 1.853 $\chi^2/\text{NDF}: 13.4/6$

0.001 ± 0.009 $\chi^2/\text{NDF}: 22.5/25$

-0.007 ± 0.006 $\chi^2/\text{NDF}: 59.9/52$

-0.014 ± 0.009 $\chi^2/\text{NDF}: 36.0/26$

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 ± 0.007 χ^2/NDF : 10973577.1/16

Left Out: 4364.032 ± 1.223 χ^2/NDF : 259769.6/8

Right Out: 9.855 ± 0.006 χ^2/NDF : 11238836.3/19

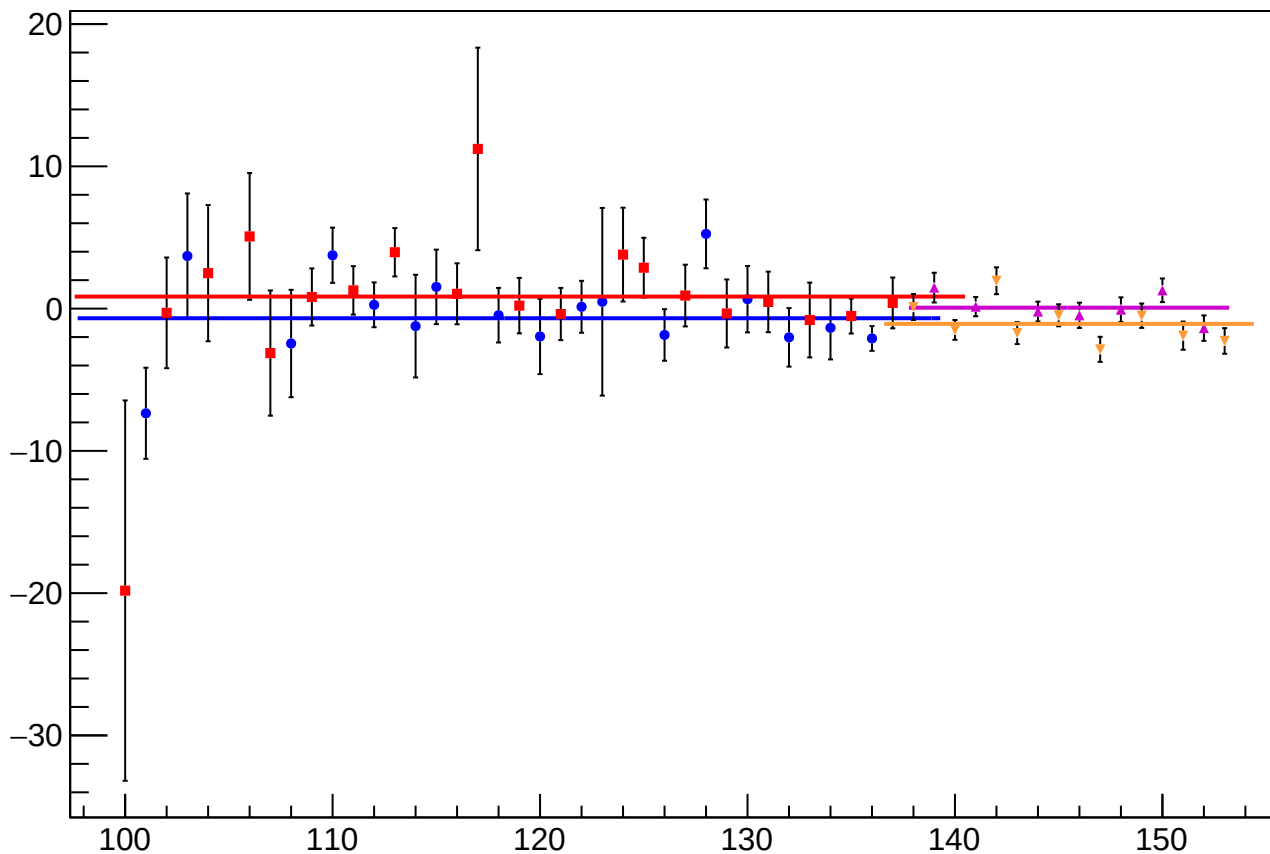
Left In: 4340.155 ± 1.310 χ^2/NDF : 345110.6/6

10.061 ± 0.007 χ^2/NDF : 23901137.5/25

10.002 ± 0.004 χ^2/NDF : 46408835.3/52

9.949 ± 0.006 χ^2/NDF : 22507539.9/26

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.071 ± 0.281 χ^2/NDF : 20.7/8

Right Out: 0.846 ± 0.500 χ^2/NDF : 14.1/19

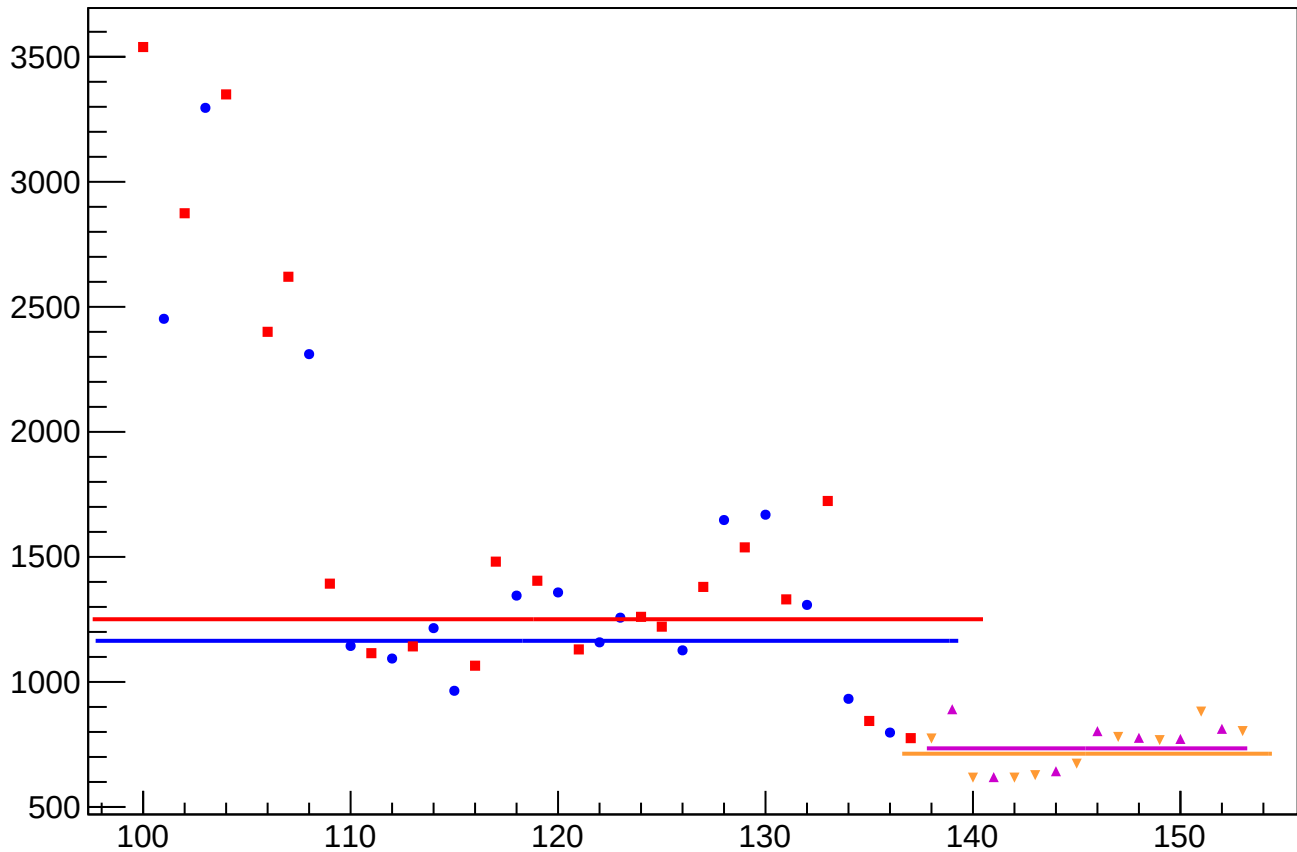
Left In: 0.065 ± 0.309 χ^2/NDF : 7.1/6

-0.972 ± 0.243 χ^2/NDF : 43.5/25

-0.394 ± 0.179 χ^2/NDF : 78.7/52

0.281 ± 0.263 χ^2/NDF : 23.0/26

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 713.013 $\pm$ 0.199 χ^2 /NDF: 194943.2/8

Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

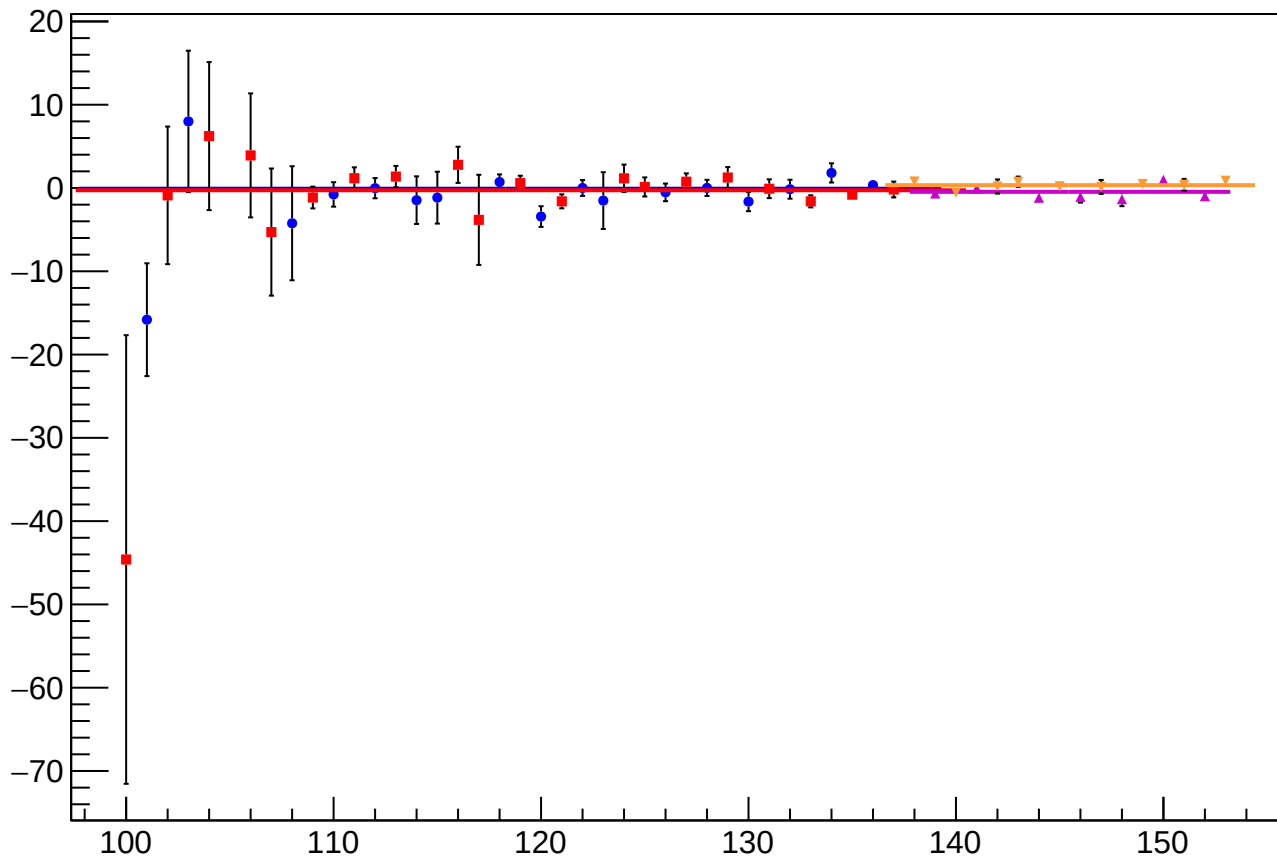
Left In: 734.419 $\pm$ 0.219 χ^2 /NDF: 172953.0/6

826.950 $\pm$ 0.172 χ^2 /NDF: 3079277.2/25

850.151 $\pm$ 0.126 χ^2 /NDF: 6486192.1/52

877.288 $\pm$ 0.186 χ^2 /NDF: 3367430.0/26

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.342 ± 0.204 χ^2/NDF : 5.1/8

Right Out: -0.268 ± 0.264 χ^2/NDF : 20.9/19

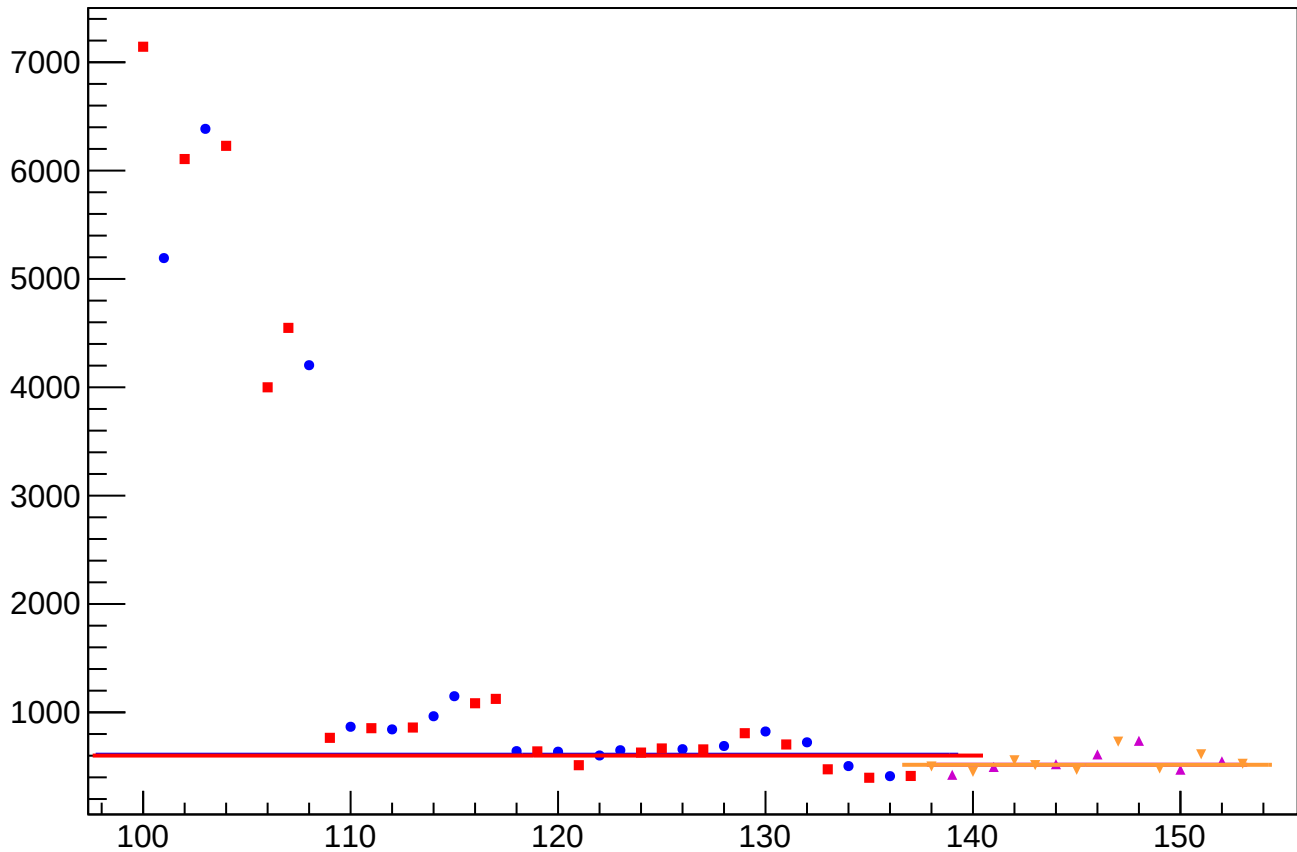
Left In: -0.460 ± 0.220 χ^2/NDF : 13.1/6

0.186 ± 0.163 χ^2/NDF : 27.7/25

-0.087 ± 0.117 χ^2/NDF : 67.9/52

-0.381 ± 0.169 χ^2/NDF : 34.3/26

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 515.876+/-0.144 χ^2/NDF : 232617.9/8

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

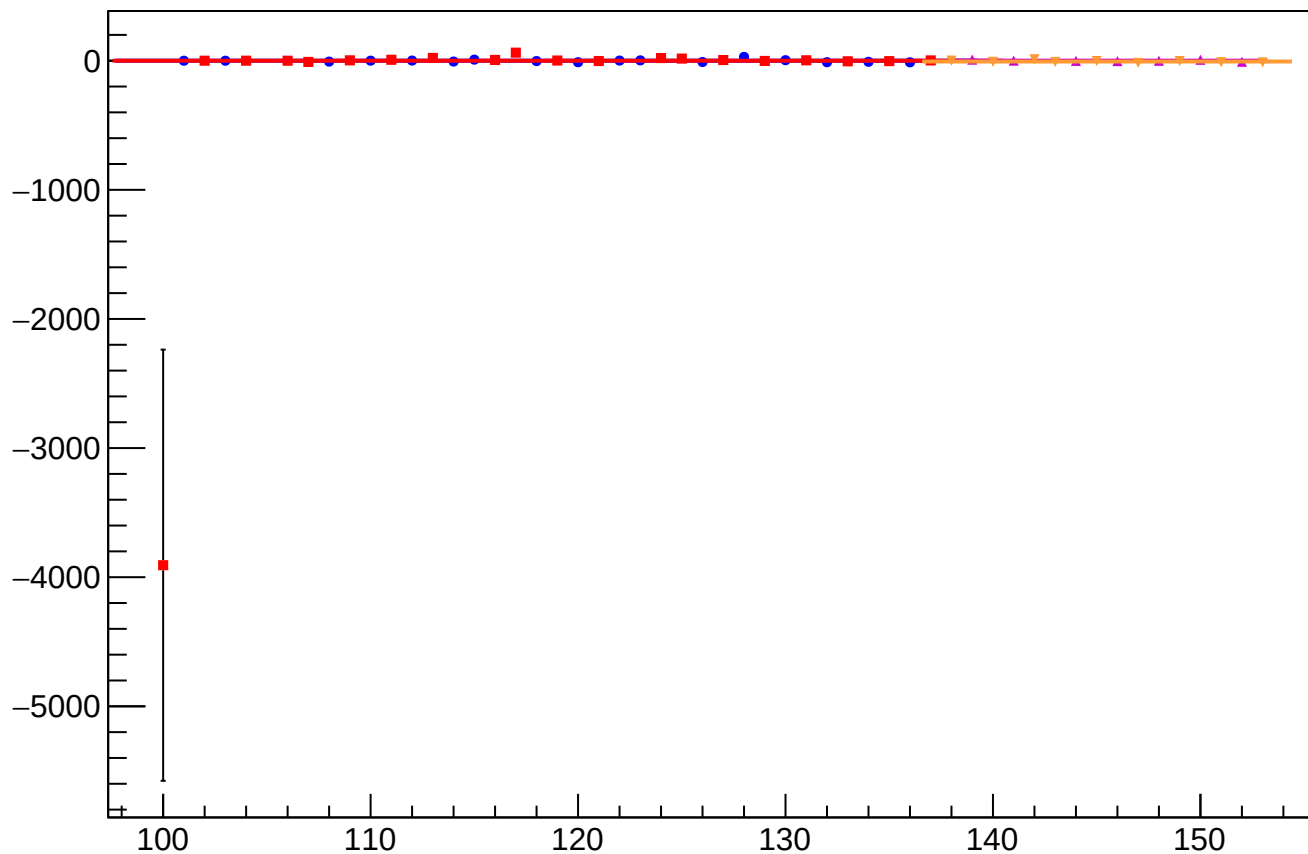
Left In: 516.598+/-0.155 χ^2/NDF : 271755.5/6

549.717+/-0.115 χ^2/NDF : 3523203.1/25

550.424+/-0.083 χ^2/NDF : 7482622.8/52

551.184+/-0.119 χ^2/NDF : 3959341.5/26

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -6.179 ± 1.633 χ^2/NDF : 20.8/8

Right Out: 0.027 ± 0.020 χ^2/NDF : 19.8/19

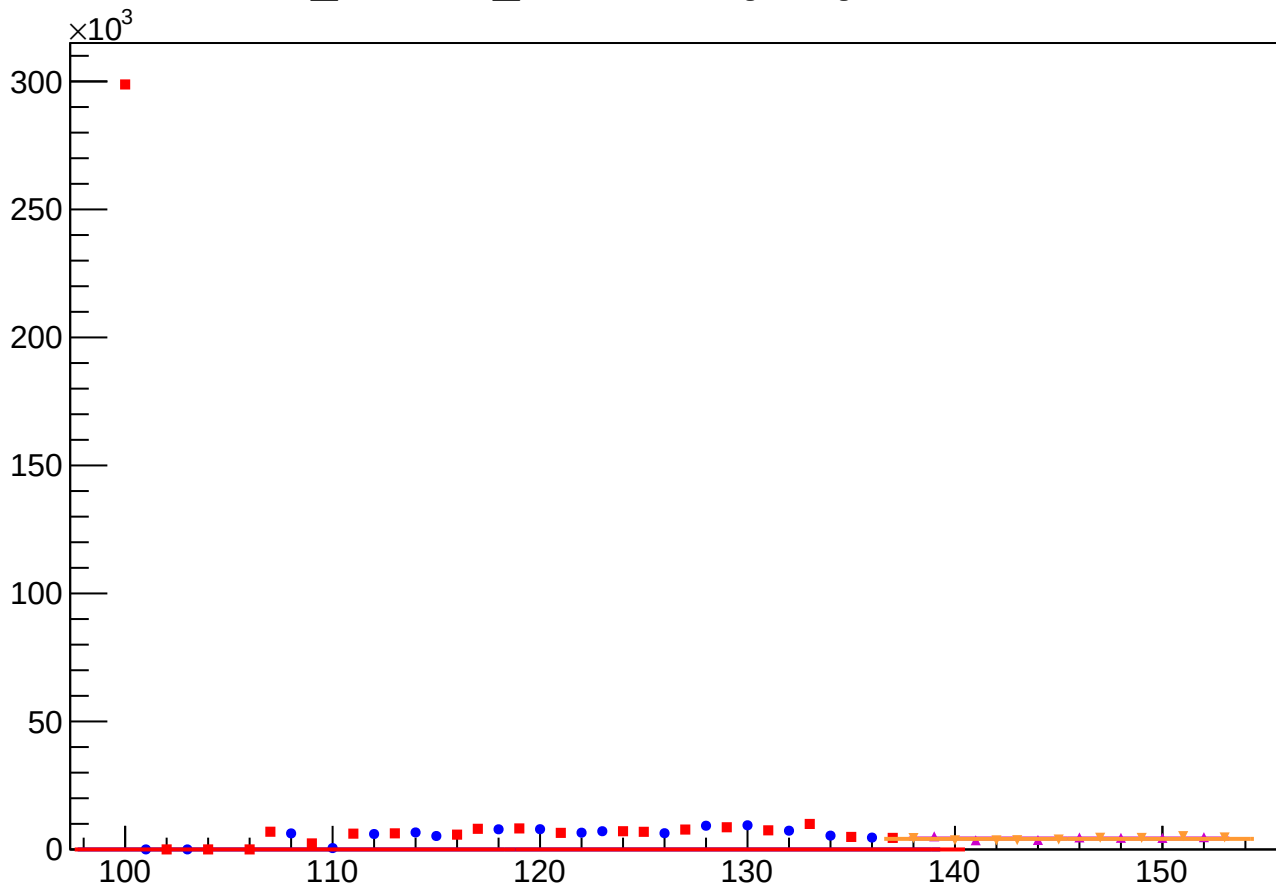
Left In: 0.392 ± 1.801 χ^2/NDF : 7.1/6

-0.023 ± 0.021 χ^2/NDF : 50.3/25

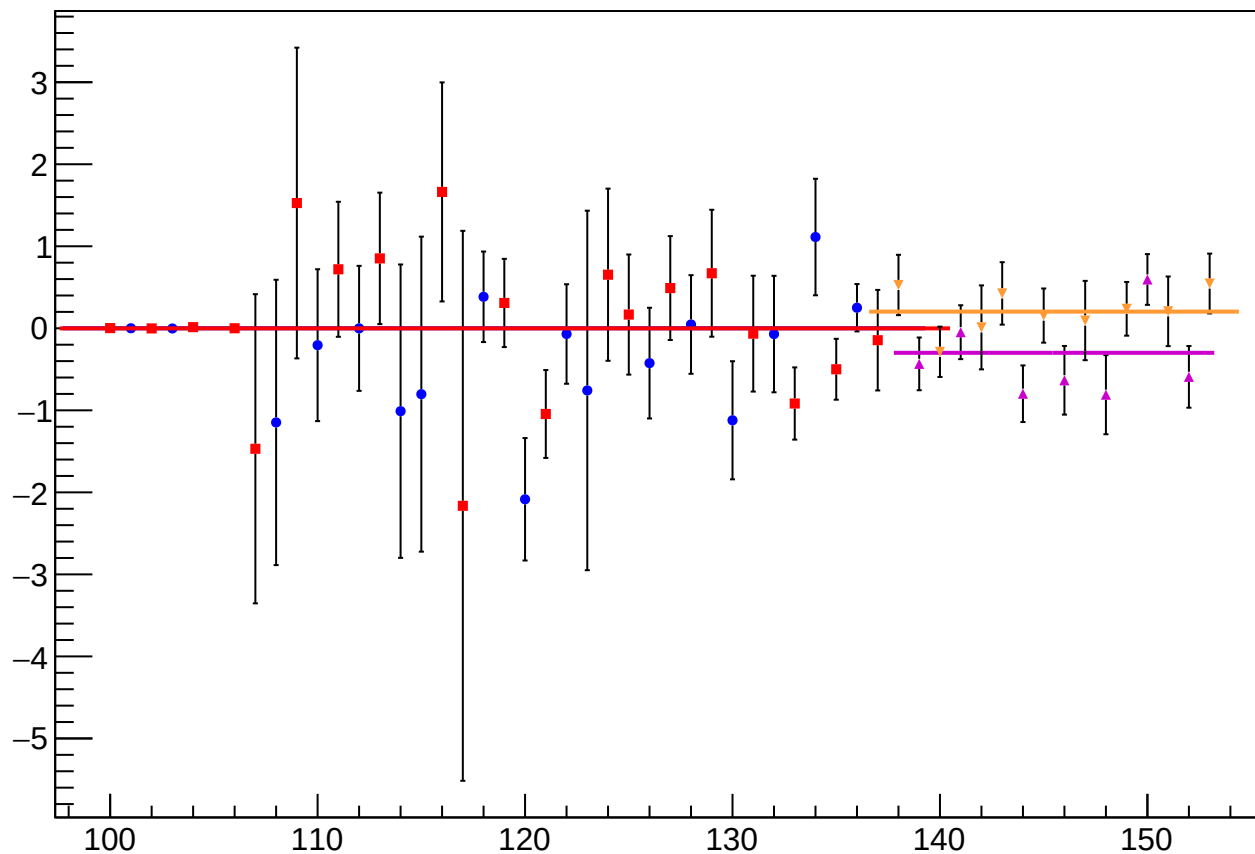
0.003 ± 0.014 χ^2/NDF : 80.2/52

0.027 ± 0.020 χ^2/NDF : 26.9/26

diff_cav4dX_rms vs Slug, Sign Corrected



diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2/NDF : 15.6/16

Left Out: 0.203 $\pm$ 0.124 χ^2/NDF : 4.8/8

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 18.2/19

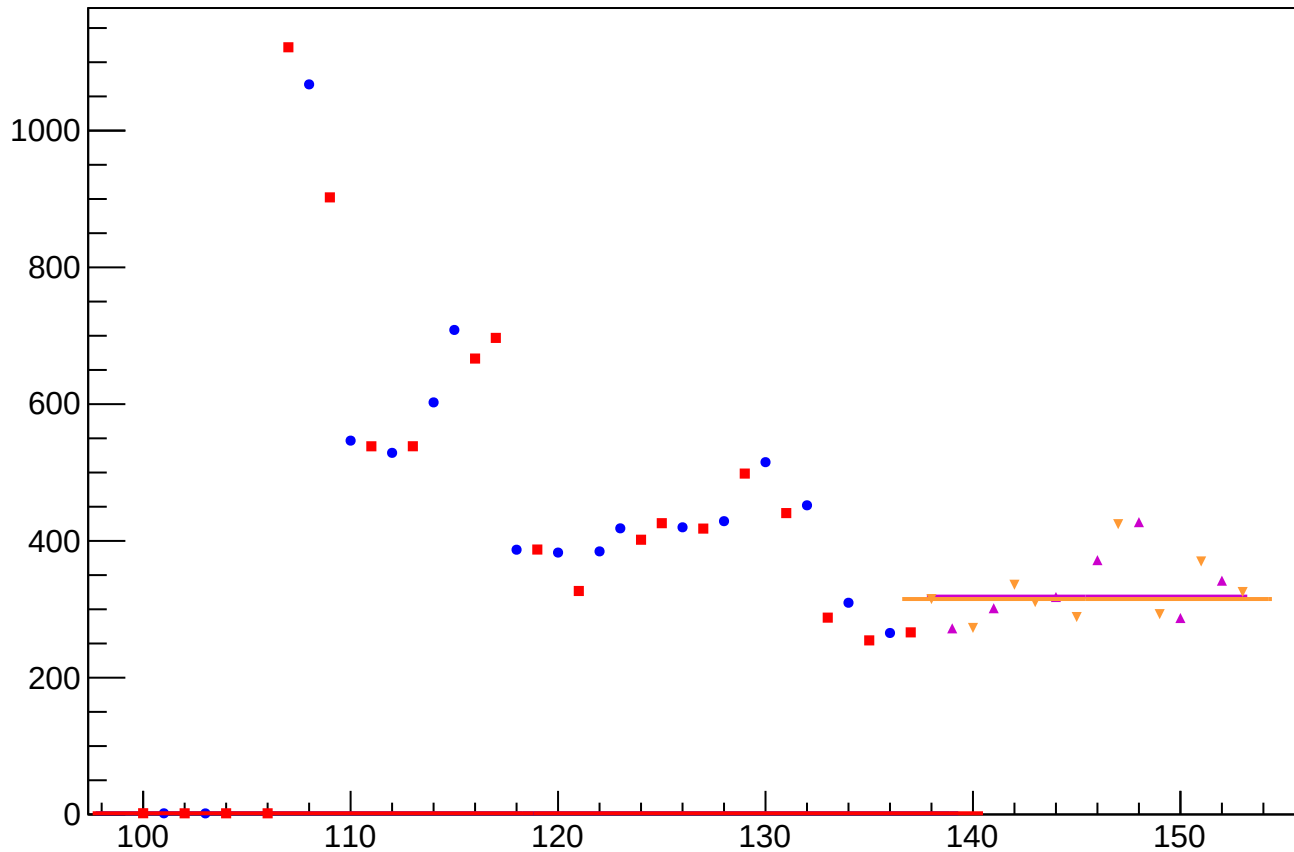
Left In: -0.299 $\pm$ 0.135 χ^2/NDF : 13.6/6

0.000 $\pm$ 0.002 χ^2/NDF : 23.1/25

-0.000 $\pm$ 0.001 χ^2/NDF : 59.9/52

-0.001 $\pm$ 0.002 χ^2/NDF : 36.7/26

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 ± 0.001 χ^2/NDF : 10911617.0/16

Left Out: 315.027 ± 0.088 χ^2/NDF : 201065.3/8

Right Out: 1.729 ± 0.001 χ^2/NDF : 10822679.1/19

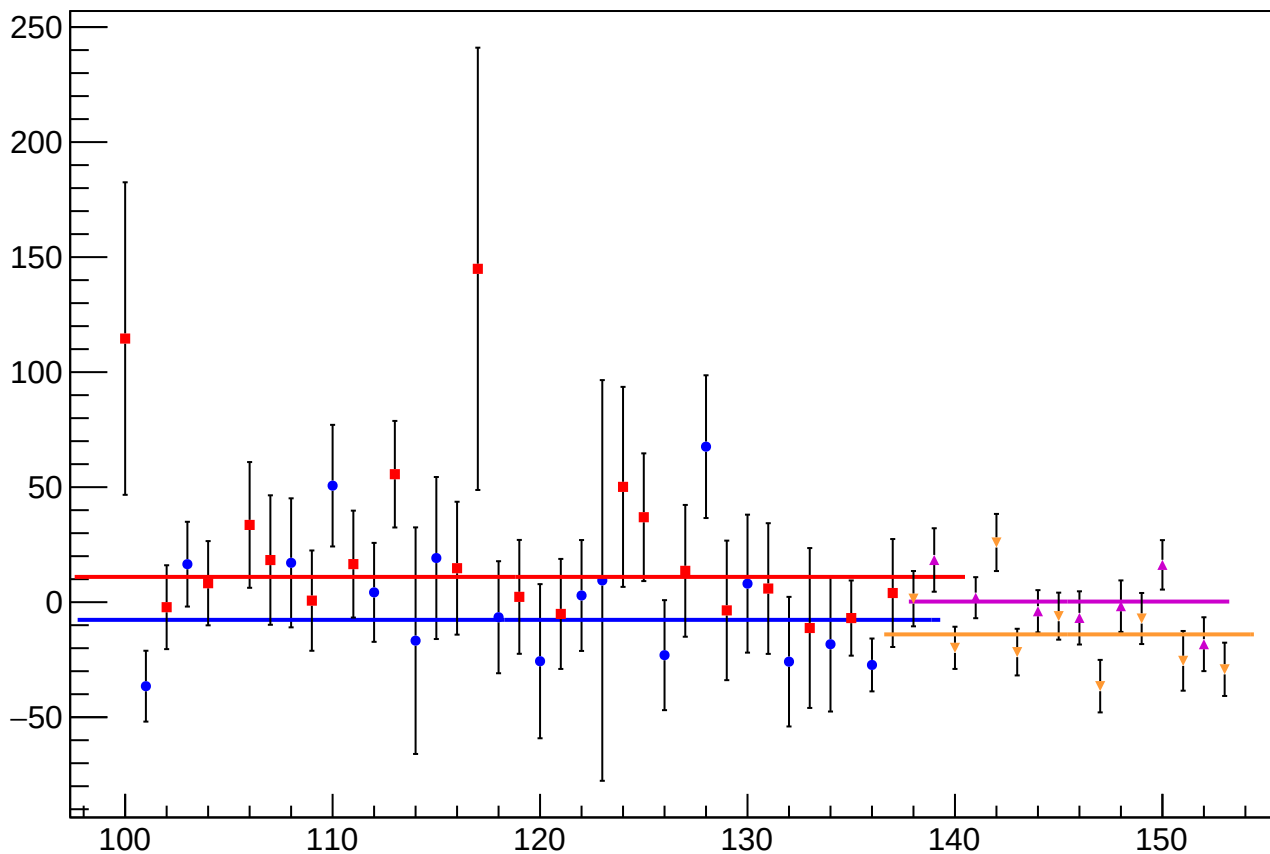
Left In: 318.553 ± 0.095 χ^2/NDF : 209856.9/6

1.781 ± 0.001 χ^2/NDF : 23794853.6/25

1.788 ± 0.001 χ^2/NDF : 45846853.2/52

1.794 ± 0.001 χ^2/NDF : 22051959.9/26

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -13.999 $\pm$ 3.682 χ^2/NDF : 20.4/8

Right Out: 10.992 $\pm$ 5.672 χ^2/NDF : 13.8/19

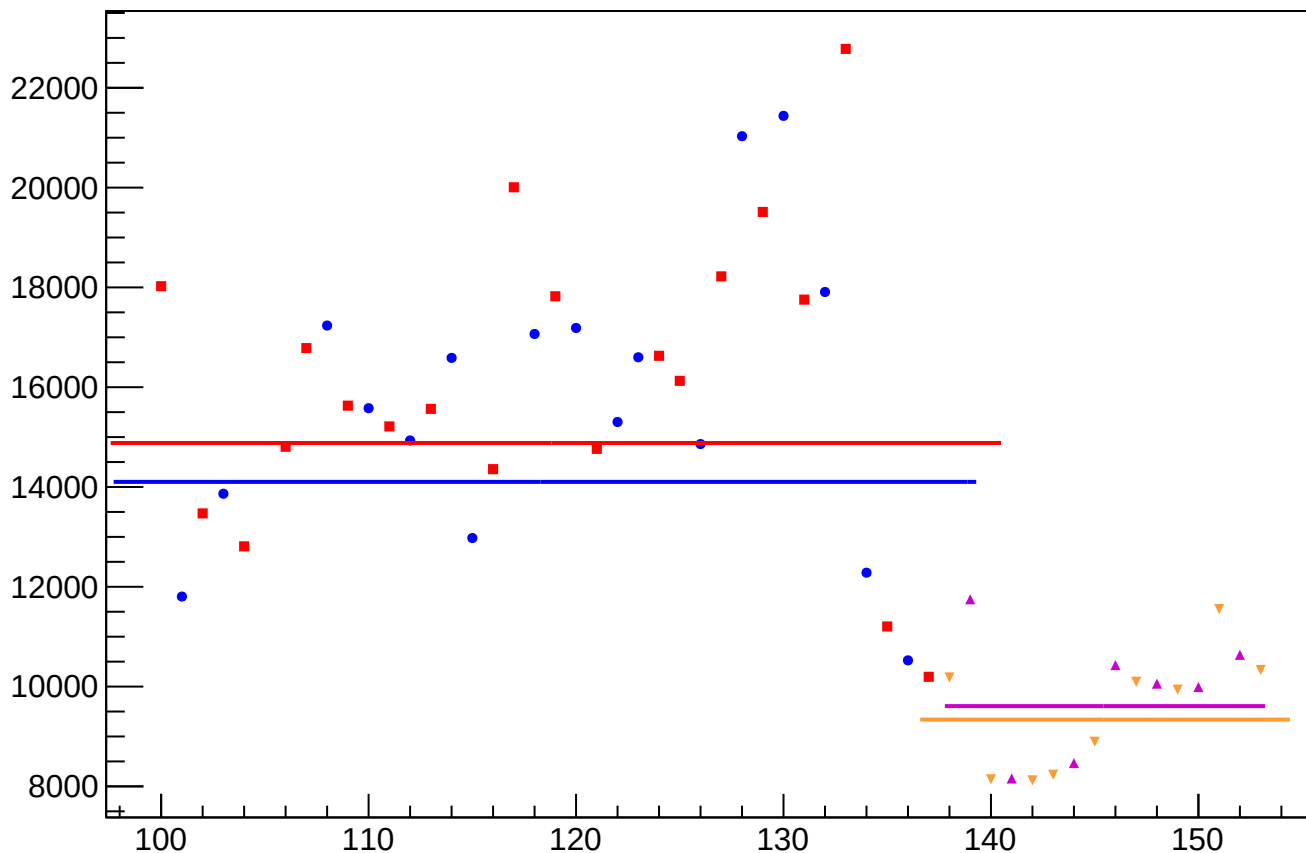
Left In: 0.268 $\pm$ 4.045 χ^2/NDF : 7.1/6

-12.106 $\pm$ 3.081 χ^2/NDF : 43.6/25

-4.644 $\pm$ 2.250 χ^2/NDF : 79.4/52

3.883 $\pm$ 3.294 χ^2/NDF : 23.3/26

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9338.208 $\pm$ 2.603 χ^2 /NDF:178370.7/8

Right Out: 14882.066 $\pm$ 4.011 χ^2 /NDF: 475983.1/19

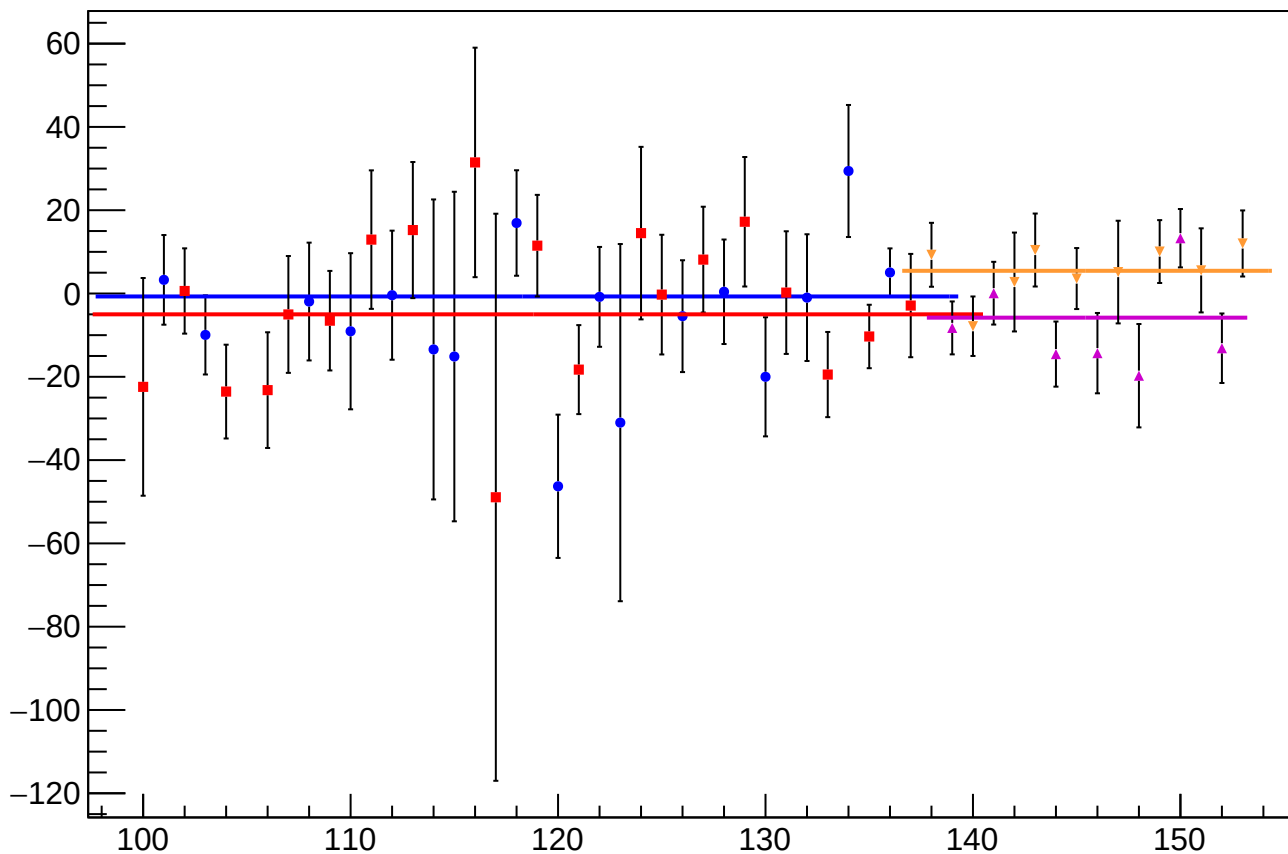
Left In: 9608.906 $\pm$ 2.860 χ^2 /NDF:163317.6/6

10766.308 $\pm$ 2.178 χ^2 /NDF: 1781222.7/25

11055.801 $\pm$ 1.591 χ^2 /NDF: 3604076.5/5

11386.637 $\pm$ 2.329 χ^2 /NDF: 1785014.4/26

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 5.452 ± 2.826 χ^2/NDF : 5.2/8

Right Out: -5.000 ± 2.937 χ^2/NDF : 20.2/19

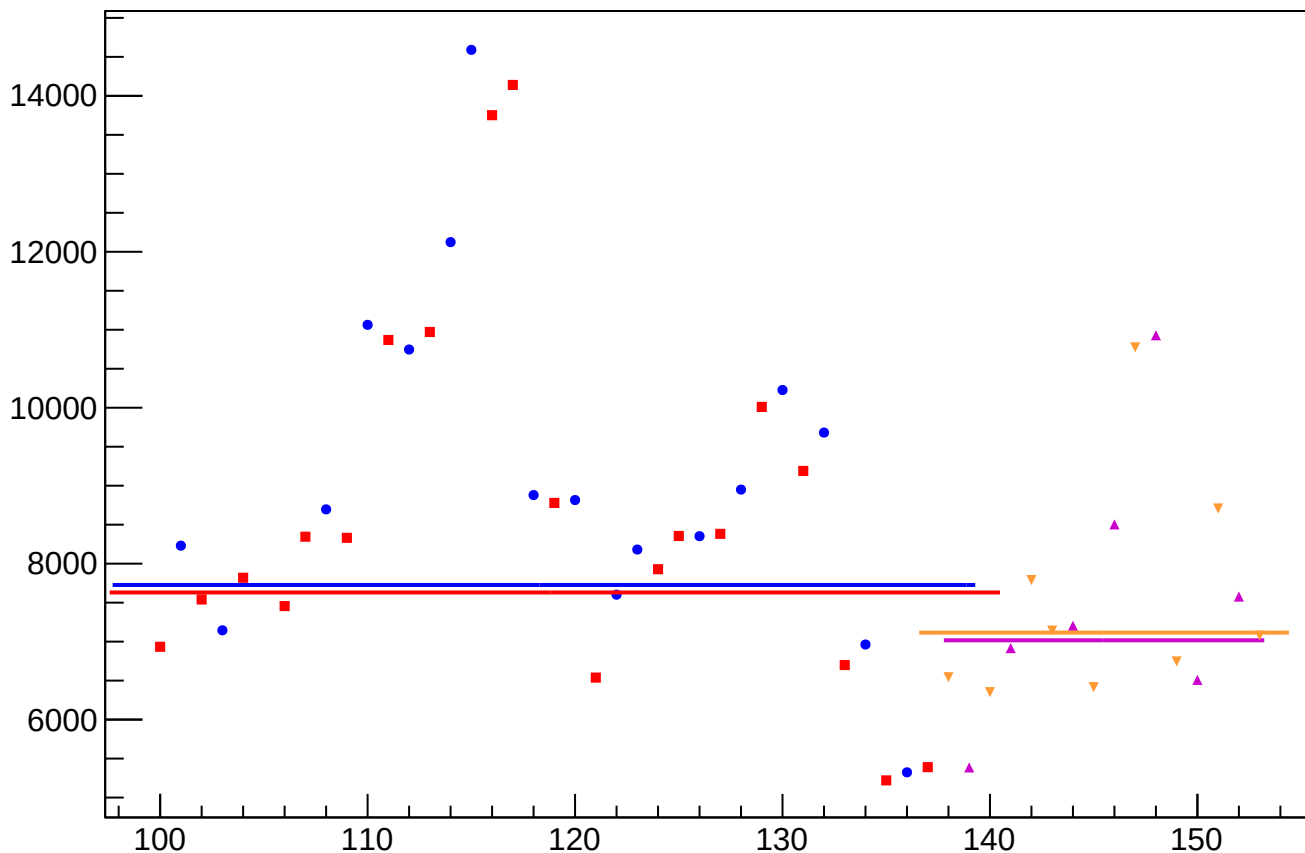
Left In: -5.800 ± 3.006 χ^2/NDF : 12.2/6

2.640 ± 2.083 χ^2/NDF : 24.9/25

-1.343 ± 1.479 χ^2/NDF : 64.8/52

-5.391 ± 2.101 χ^2/NDF : 32.4/26

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7115.503 $\pm$ 1.998 χ^2 /NDF: 289558.3/8

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

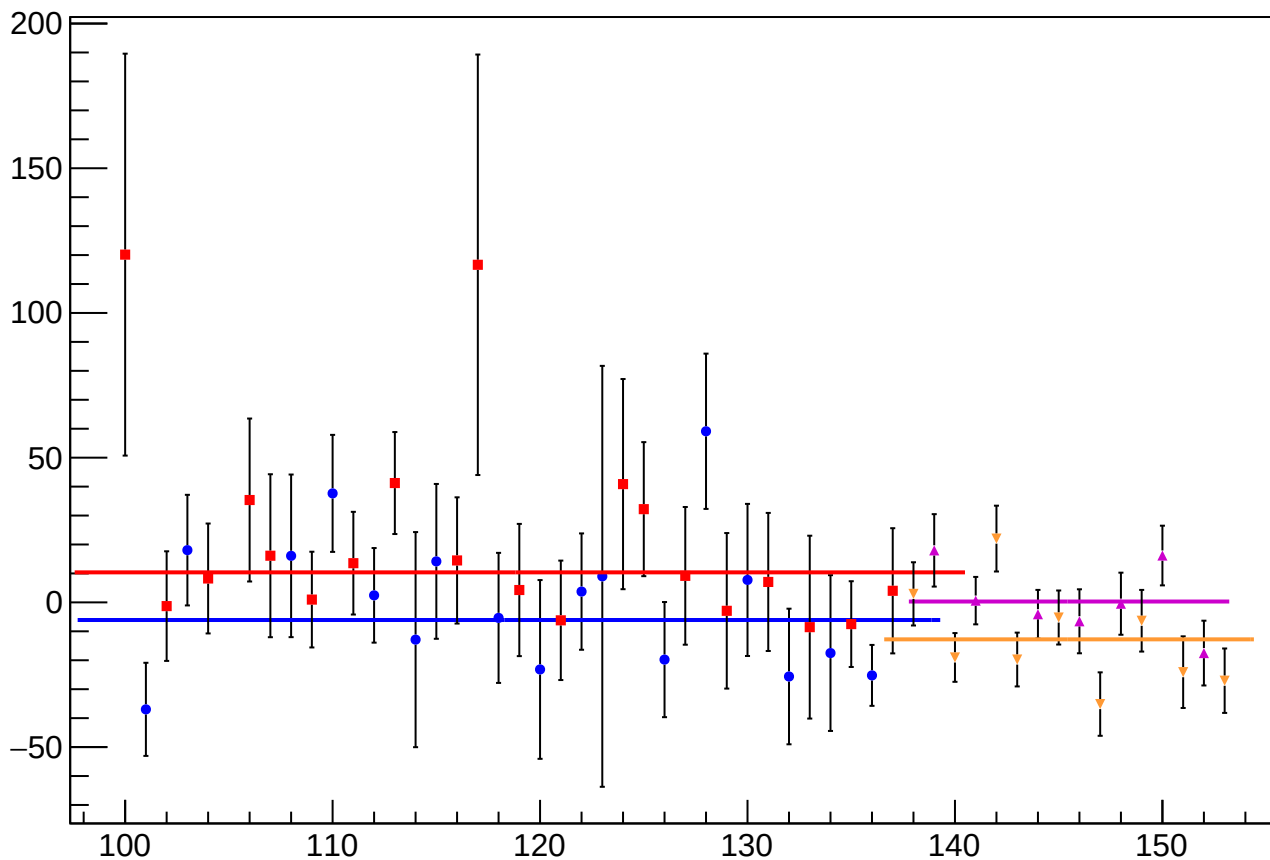
Left In: 7017.159 $\pm$ 2.125 χ^2 /NDF: 399027.0/6

7394.547 $\pm$ 1.473 χ^2 /NDF: 1074783.0/25

7362.954 $\pm$ 1.046 χ^2 /NDF: 2210768.1/52

7330.840 $\pm$ 1.485 χ^2 /NDF: 1135057.8/26

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -12.777 ± 3.430 $\chi^2/\text{NDF}: 20.2/8$

Right Out: 10.369 ± 4.992 $\chi^2/\text{NDF}: 13.8/19$

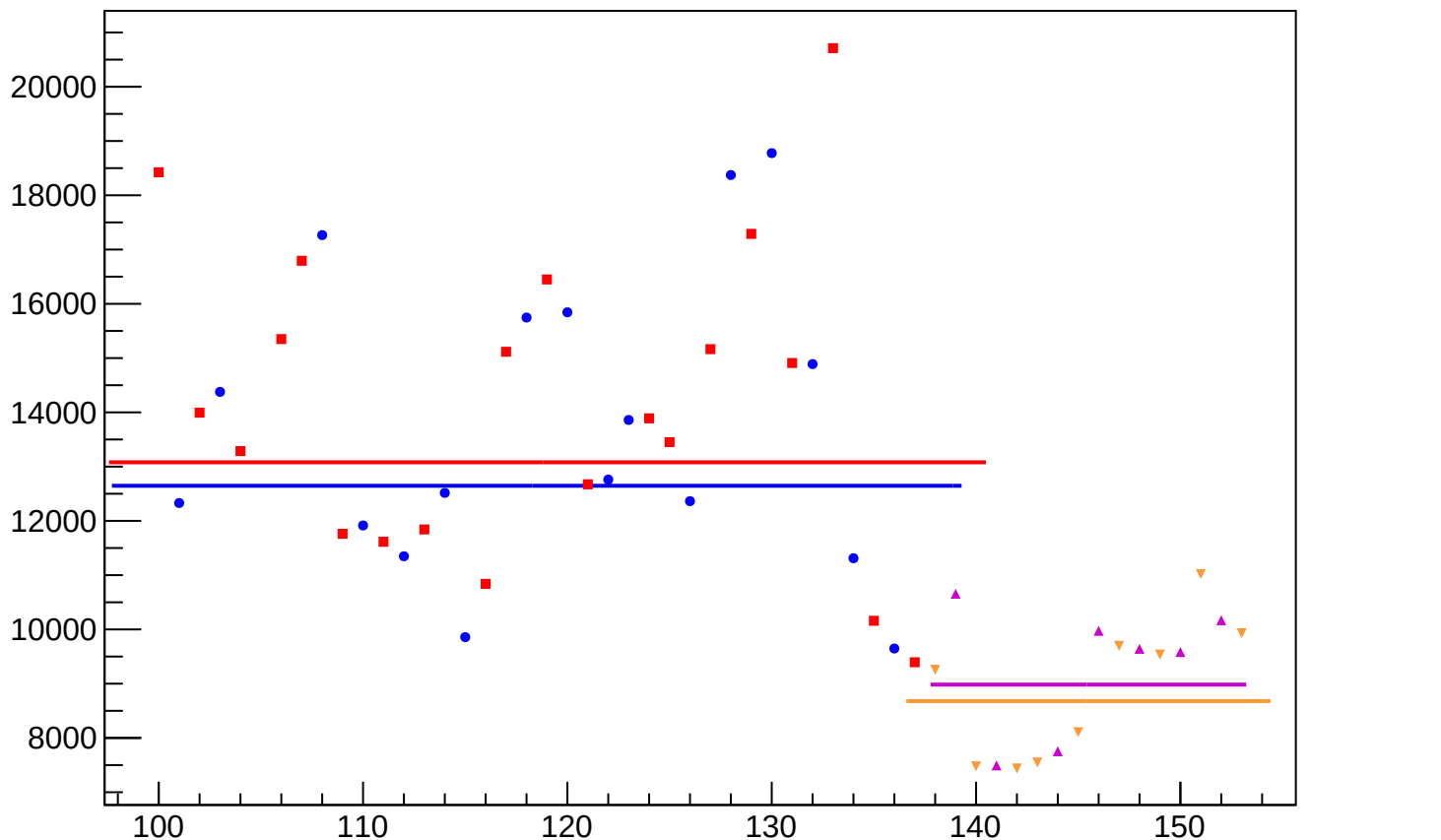
Left In: 0.295 ± 3.788 $\chi^2/\text{NDF}: 7.6/6$

-10.657 ± 2.835 $\chi^2/\text{NDF}: 44.3/25$

-3.797 ± 2.066 $\chi^2/\text{NDF}: 80.8/52$

3.976 ± 3.017 $\chi^2/\text{NDF}: 23.9/26$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2/NDF : 554320.4/16

Left Out: 8679.404 $\pm$ 2.425 χ^2/NDF :234279.8/8

Right Out: 13079.592 $\pm$ 3.530 χ^2/NDF : 497851.1/19

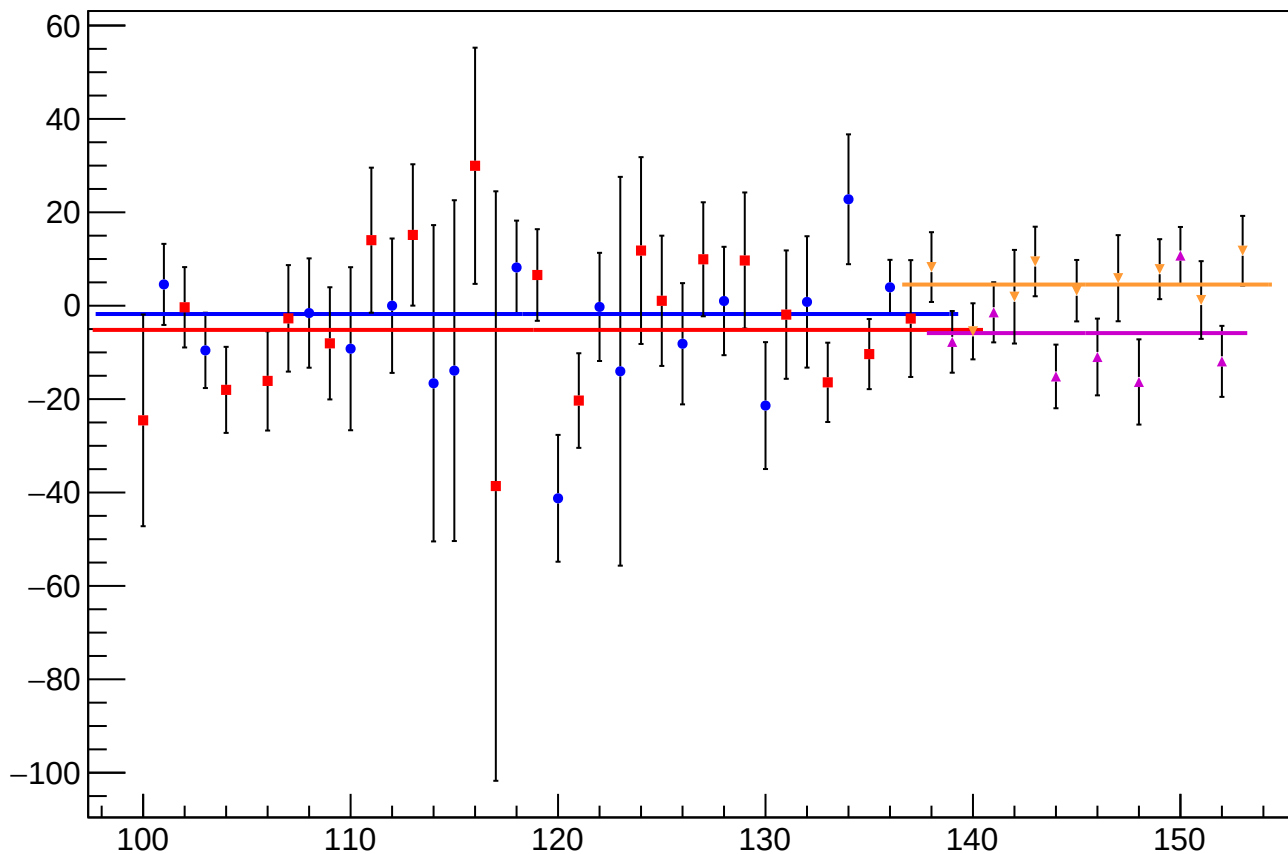
Left In: 8984.136 $\pm$ 2.678 χ^2/NDF :197466.9/6

9937.605 $\pm$ 2.004 χ^2/NDF : 1637244.4/25

10192.146 $\pm$ 1.461 χ^2/NDF : 3221333.2/5

10480.579 $\pm$ 2.134 χ^2/NDF : 1549685.6/26

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.533 ± 2.460 χ^2/NDF : 5.0/8

Right Out: -5.181 ± 2.640 χ^2/NDF : 19.2/19

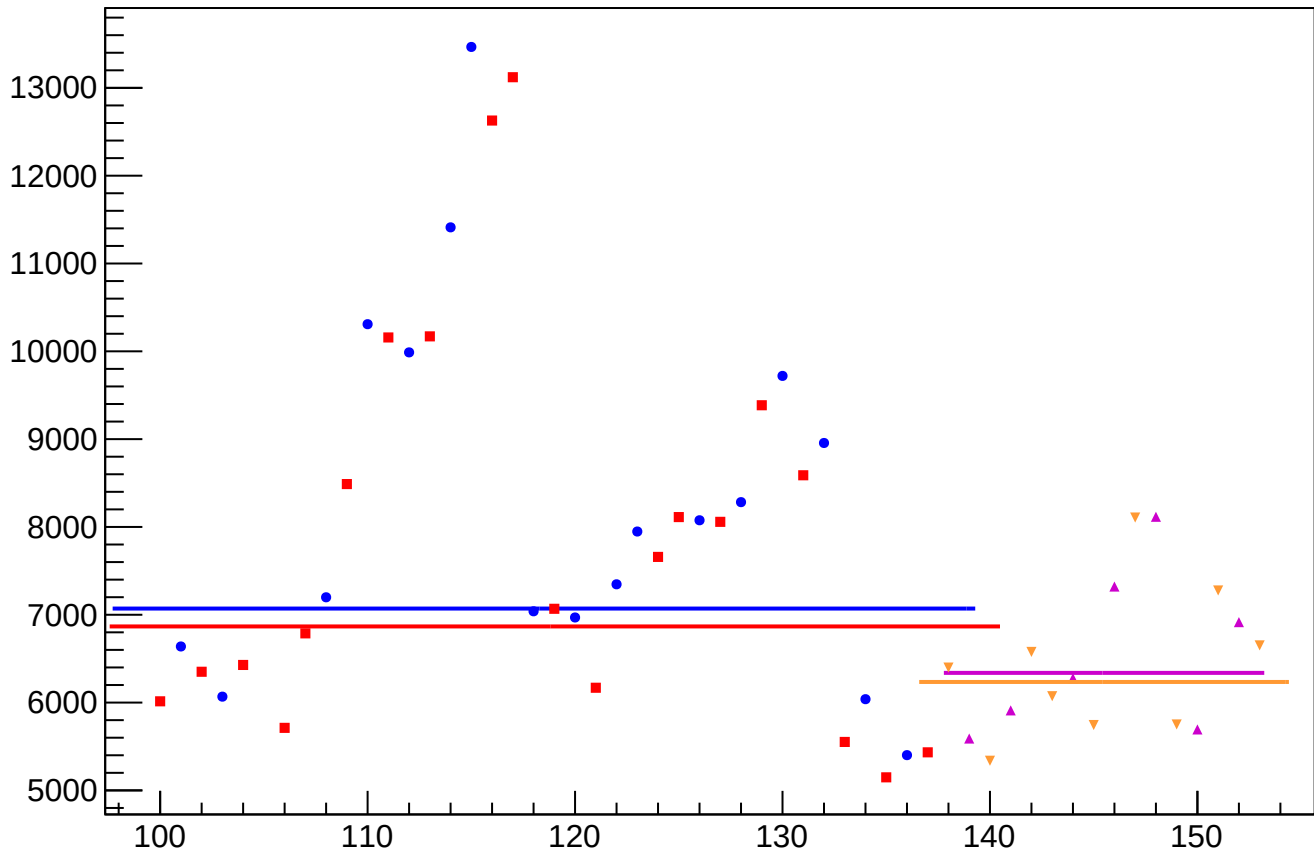
Left In: -5.863 ± 2.679 χ^2/NDF : 12.1/6

1.790 ± 1.850 χ^2/NDF : 25.8/25

-1.804 ± 1.319 χ^2/NDF : 64.8/52

-5.516 ± 1.880 χ^2/NDF : 31.3/26

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6234.827 $\pm$ 1.740 χ^2 /NDF: 191443.5/8

Right Out: 6867.094 $\pm$ 1.866 χ^2 /NDF: 701892.5/19

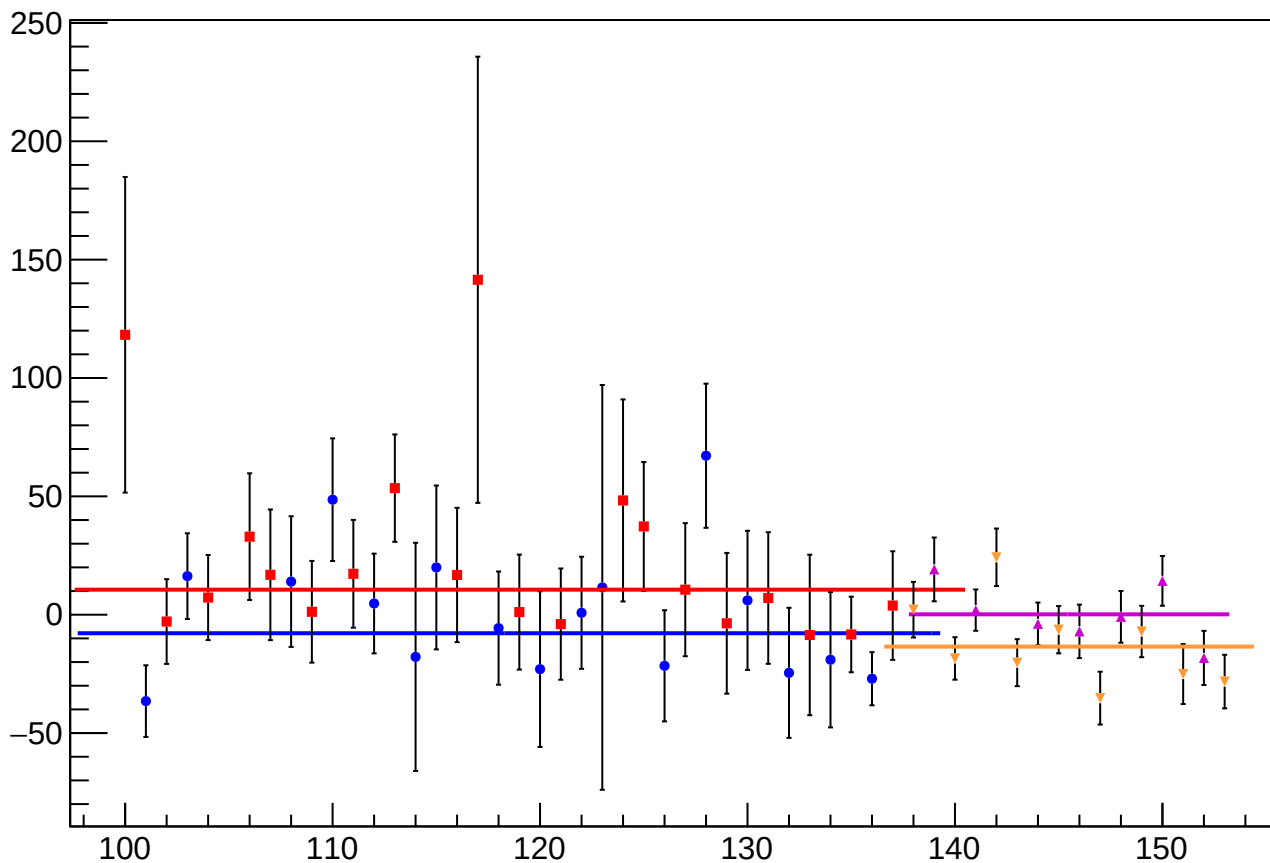
Left In: 6338.250 $\pm$ 1.894 χ^2 /NDF: 172717.2/6

6598.145 $\pm$ 1.308 χ^2 /NDF: 893460.9/25

6602.307 $\pm$ 0.932 χ^2 /NDF: 1807635.1/52

6606.605 $\pm$ 1.330 χ^2 /NDF: 914153.6/26

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -13.460 ± 3.600 $\chi^2/\text{NDF}: 19.4/8$

Right Out: 10.574 ± 5.561 $\chi^2/\text{NDF}: 14.1/19$

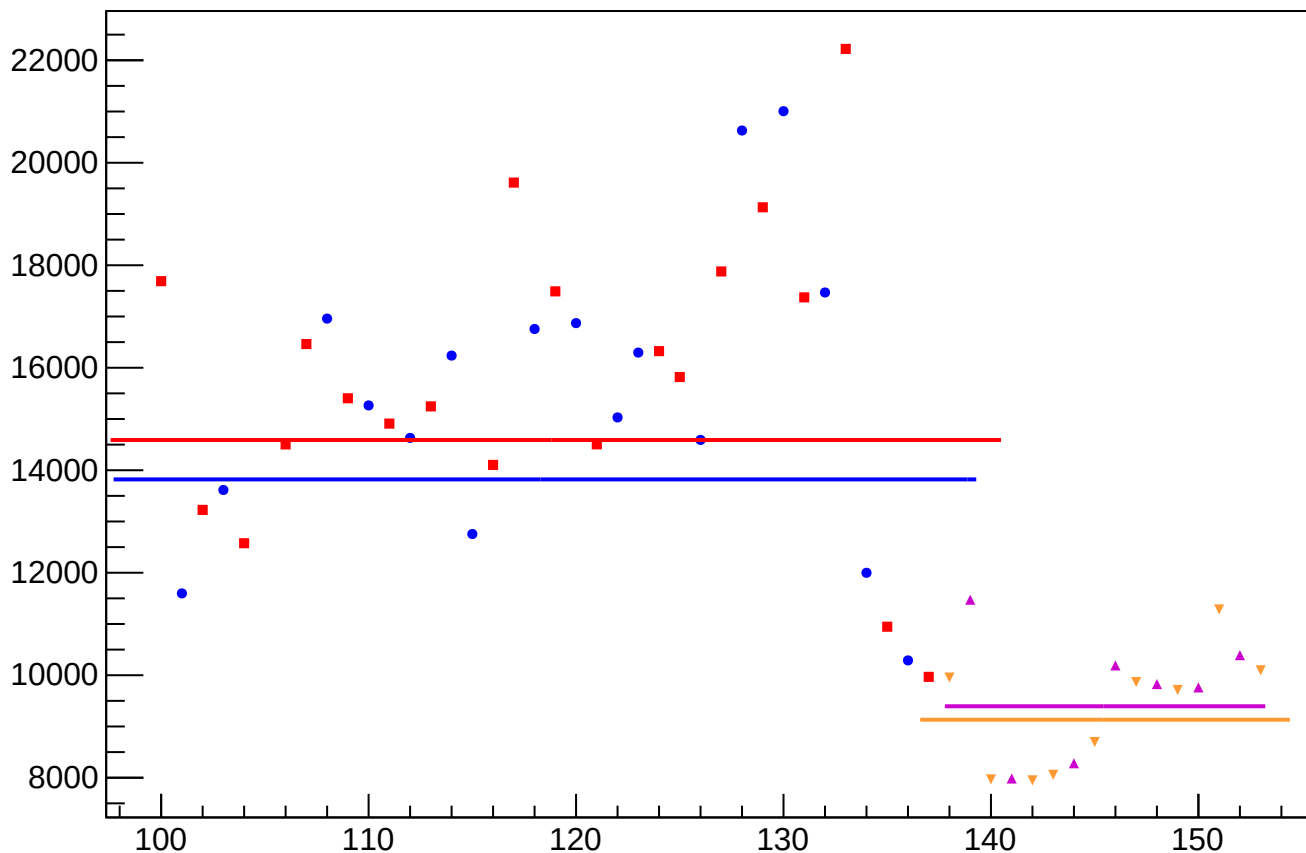
Left In: 0.166 ± 3.954 $\chi^2/\text{NDF}: 7.0/6$

-11.777 ± 3.015 $\chi^2/\text{NDF}: 42.4/25$

-4.573 ± 2.202 $\chi^2/\text{NDF}: 78.1/52$

3.661 ± 3.223 $\chi^2/\text{NDF}: 23.5/26$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2/NDF : 602672.4/16

Left Out: 9131.806 $\pm$ 2.545 χ^2/NDF :176290.9/8

Right Out: 14589.989 $\pm$ 3.933 χ^2/NDF : 478169.1/19

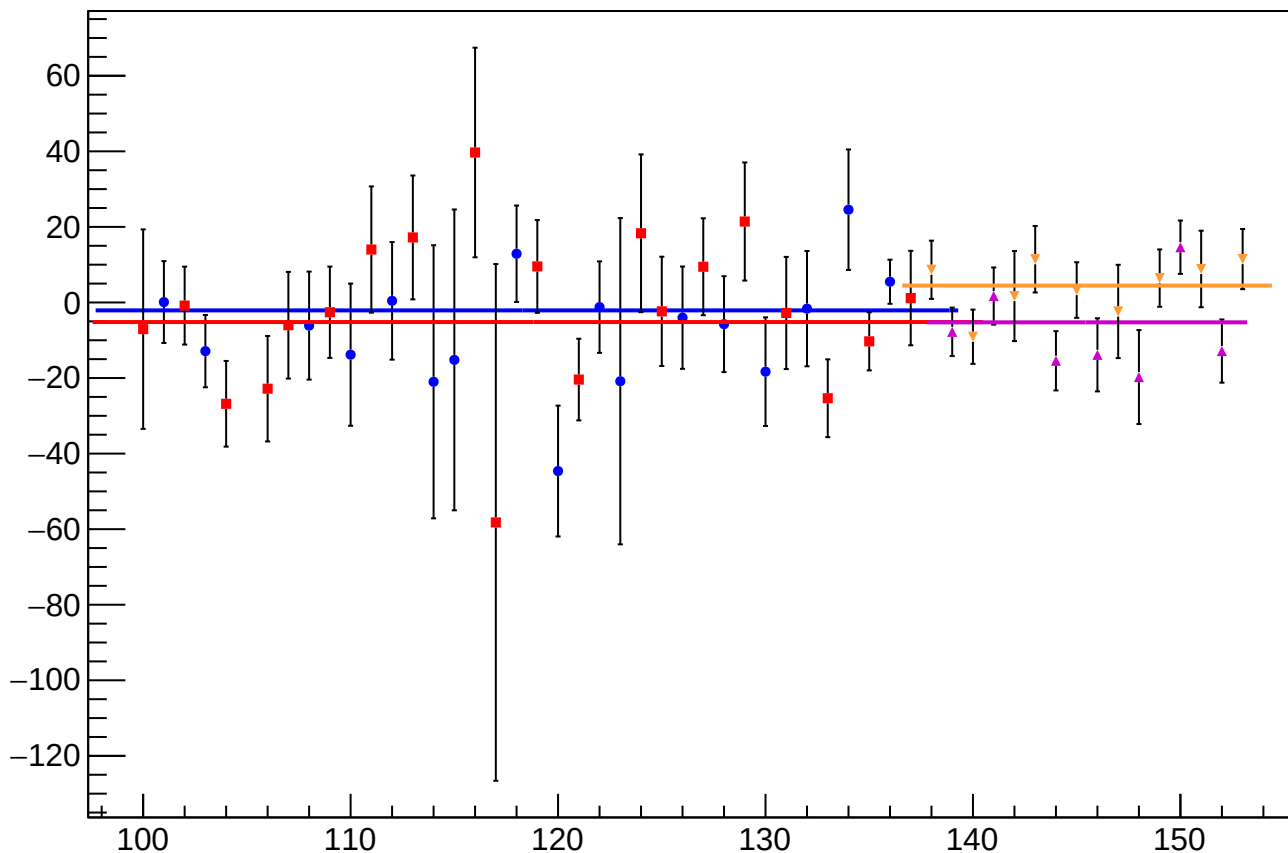
Left In: 9394.212 $\pm$ 2.796 χ^2/NDF :161237.1/6

10532.547 $\pm$ 2.132 χ^2/NDF : 1792766.3/25

10815.528 $\pm$ 1.557 χ^2/NDF : 3629393.0/5

11138.943 $\pm$ 2.279 χ^2/NDF : 1798861.4/26

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 $\pm$ 3.106 χ^2/NDF : 15.6/16

Left Out: 4.465 $\pm$ 2.839 χ^2/NDF : 5.9/8

Right Out: -5.184 $\pm$ 2.959 χ^2/NDF : 25.4/19

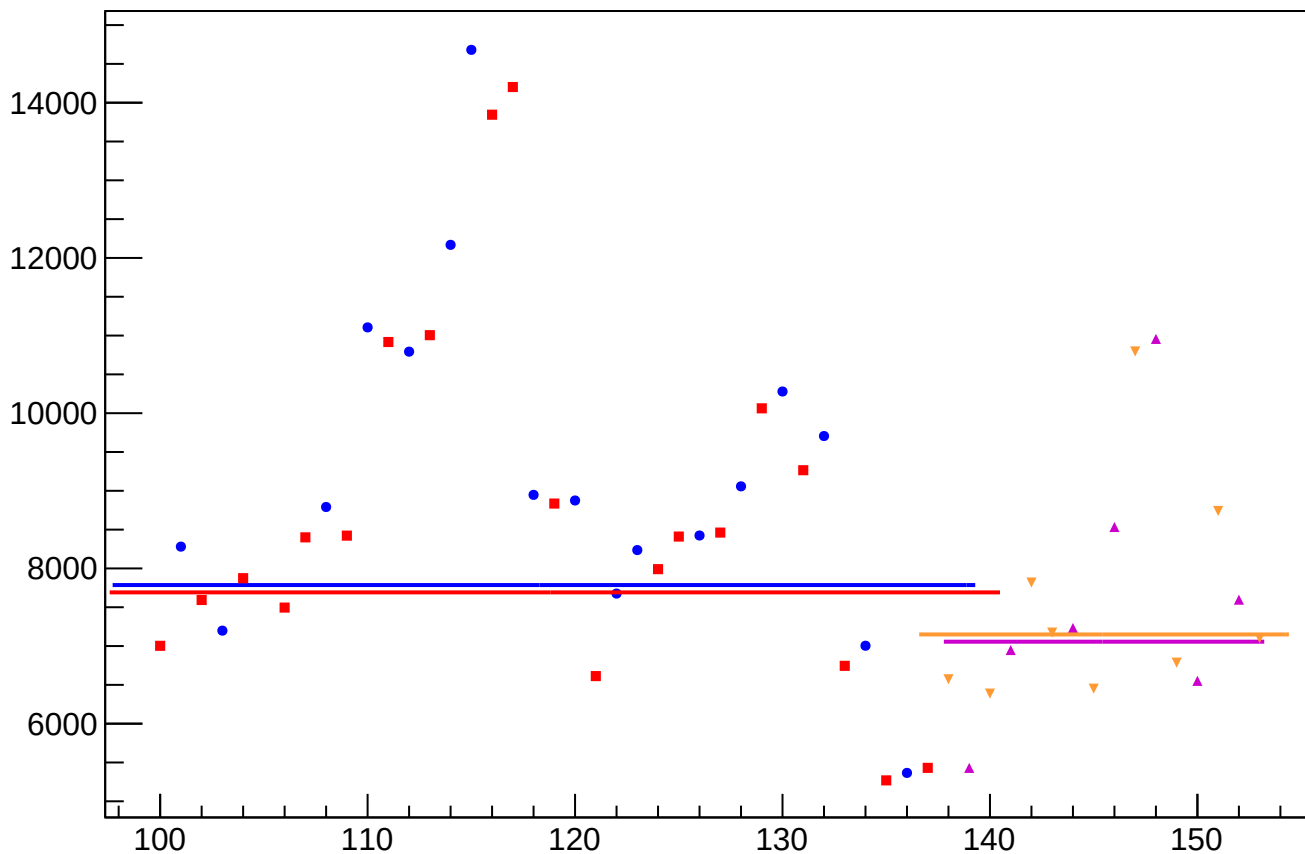
Left In: -5.258 $\pm$ 3.021 χ^2/NDF : 13.6/6

1.478 $\pm$ 2.096 χ^2/NDF : 24.0/25

-1.842 $\pm$ 1.488 χ^2/NDF : 68.0/52

-5.220 $\pm$ 2.114 χ^2/NDF : 39.0/26

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2/NDF : 738101.9/16

Left Out: 7149.485 $\pm$ 2.007 χ^2/NDF : 286513.1/8

Right Out: 7691.398 $\pm$ 2.093 χ^2/NDF : 686898.9/19

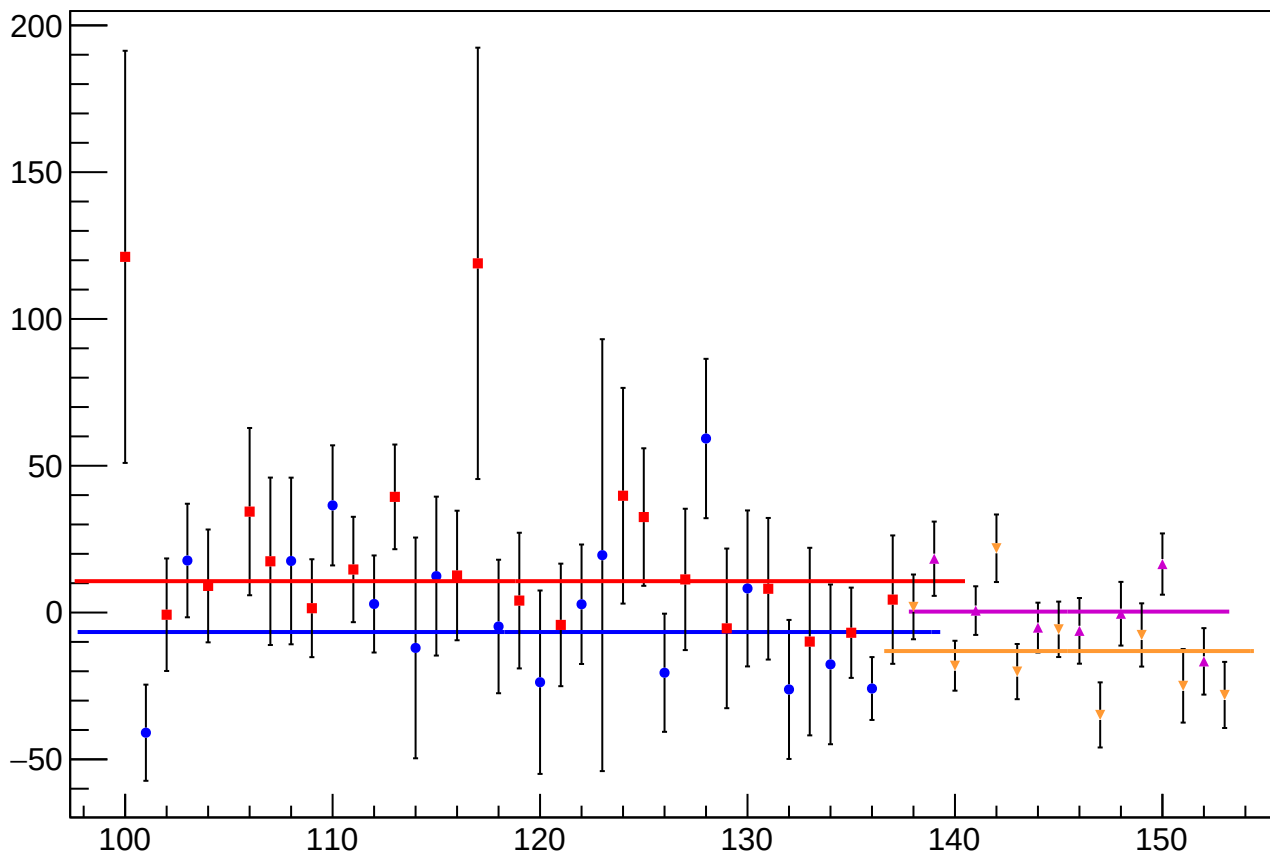
Left In: 7056.089 $\pm$ 2.136 χ^2/NDF : 392206.8/6

7439.116 $\pm$ 1.482 χ^2/NDF : 1070361.1/25

7409.946 $\pm$ 1.052 χ^2/NDF : 2195387.6/52

7380.261 $\pm$ 1.495 χ^2/NDF : 1124244.6/26

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -13.118 ± 3.467 χ^2/NDF : 19.4/8

Right Out: 10.688 ± 5.063 χ^2/NDF : 13.0/19

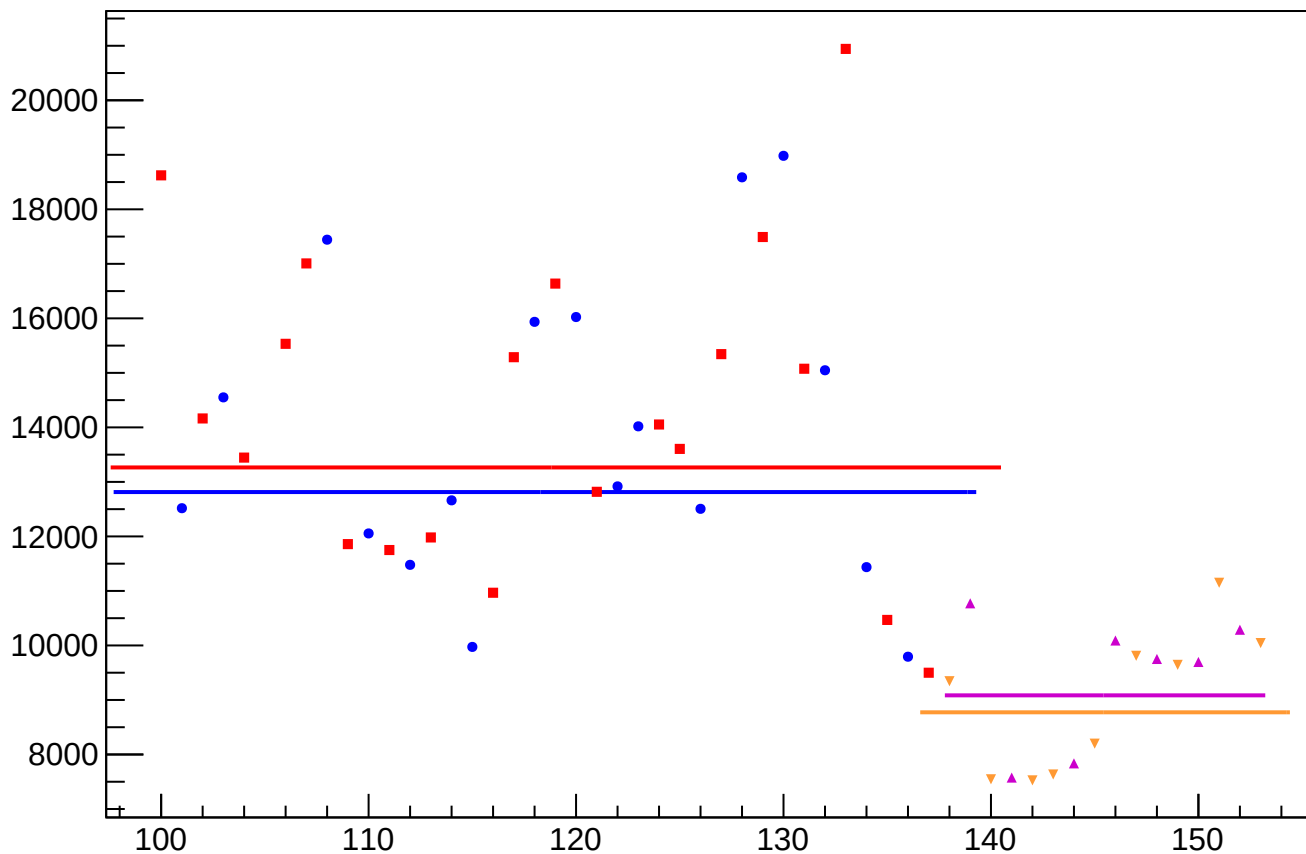
Left In: 0.320 ± 3.830 χ^2/NDF : 7.4/6

-11.069 ± 2.868 χ^2/NDF : 43.9/25

-3.965 ± 2.091 χ^2/NDF : 80.1/52

4.094 ± 3.055 χ^2/NDF : 23.1/26

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8773.555+/-2.452 χ^2/NDF : 235525.1/8

Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

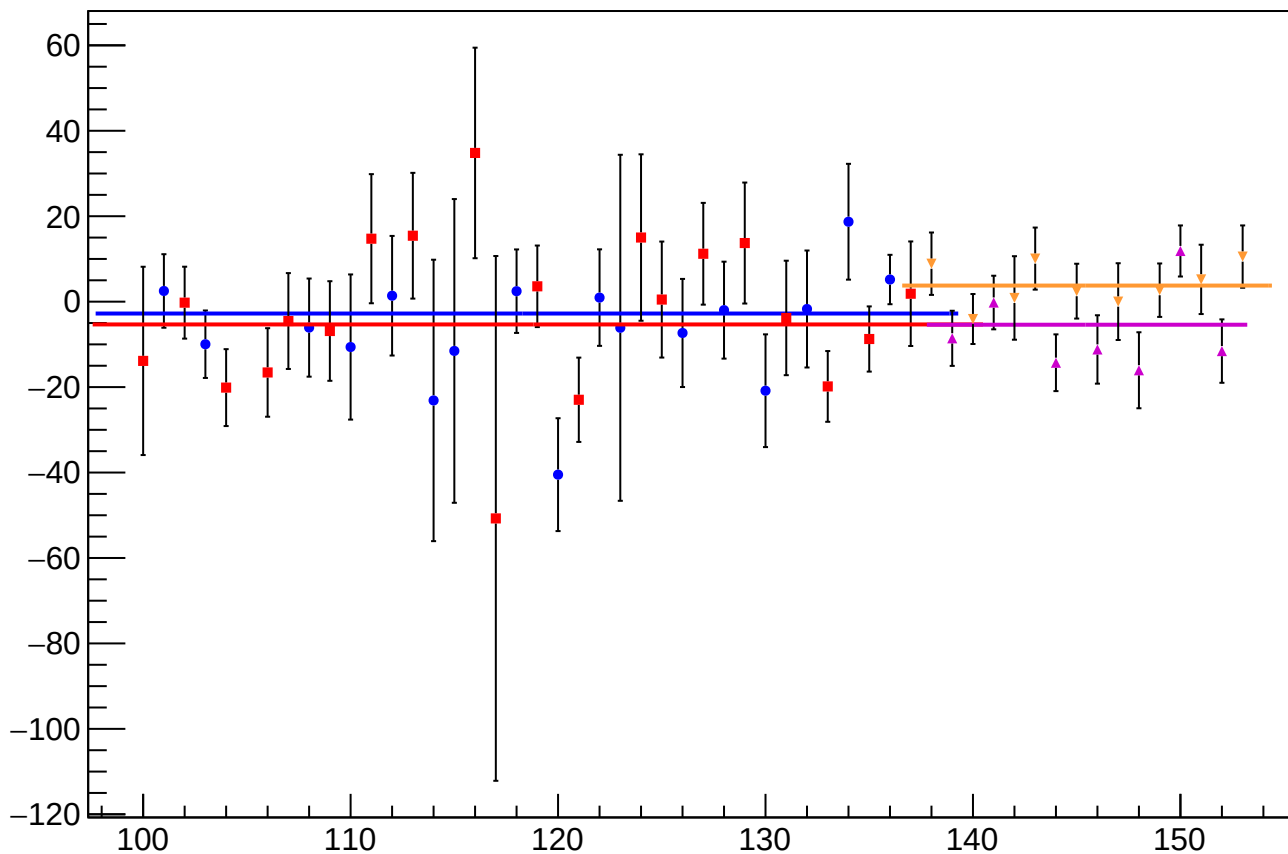
Left In: 9084.746+/-2.708 χ^2/NDF : 198320.1/6

10050.309+/-2.028 χ^2/NDF : 1641696.1/25

10310.882+/-1.478 χ^2/NDF : 3228333.0/5

10606.513+/-2.160 χ^2/NDF : 1551390.1/26

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.767 ± 2.400 χ^2/NDF : 4.3/8

Right Out: -5.332 ± 2.587 χ^2/NDF : 24.1/19

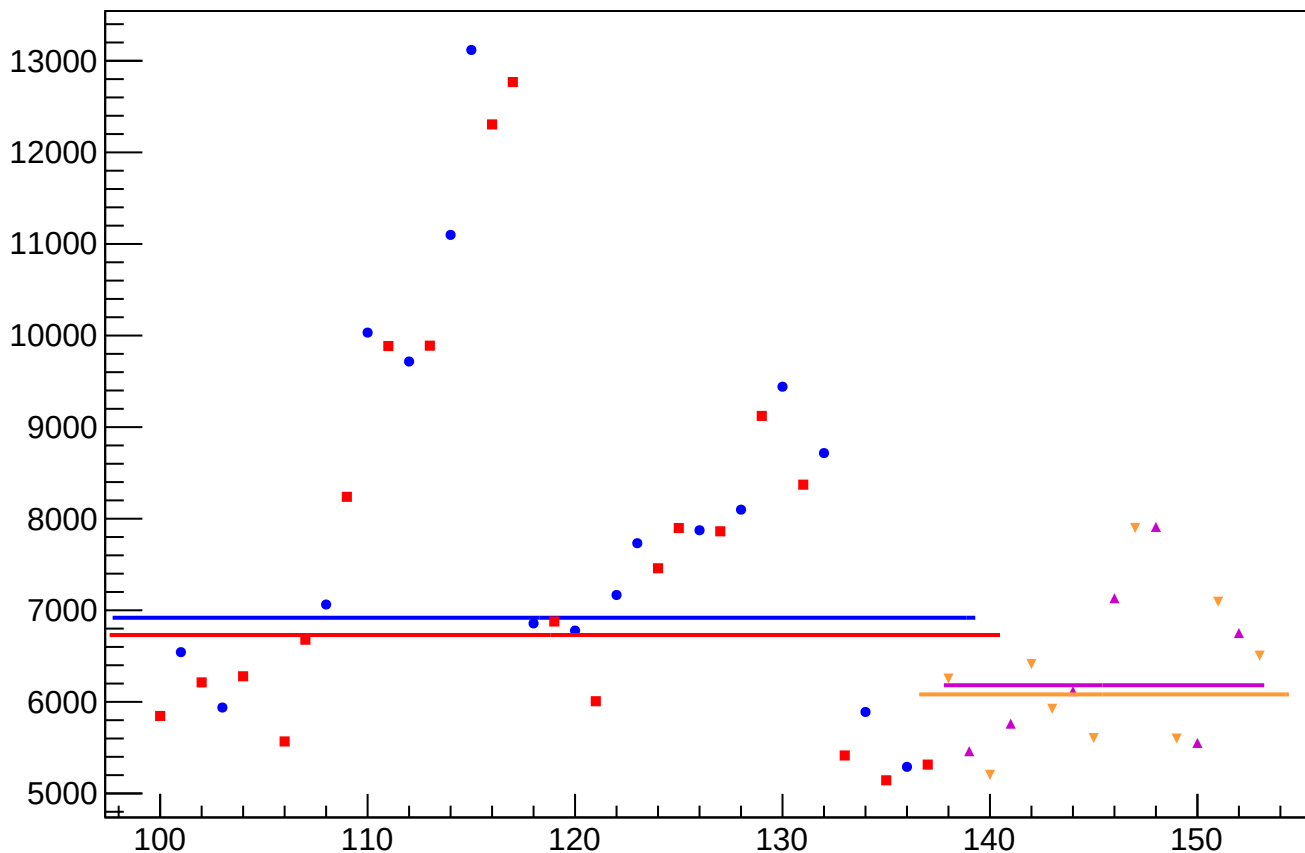
Left In: -5.399 ± 2.613 χ^2/NDF : 13.7/6

0.934 ± 1.807 χ^2/NDF : 24.5/25

-2.162 ± 1.289 χ^2/NDF : 68.3/52

-5.366 ± 1.838 χ^2/NDF : 37.8/26

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6081.587 ± 1.697 $\chi^2/\text{NDF}: 192069.2/8$

Right Out: 6730.137 ± 1.830 $\chi^2/\text{NDF}: 673193.1/19$

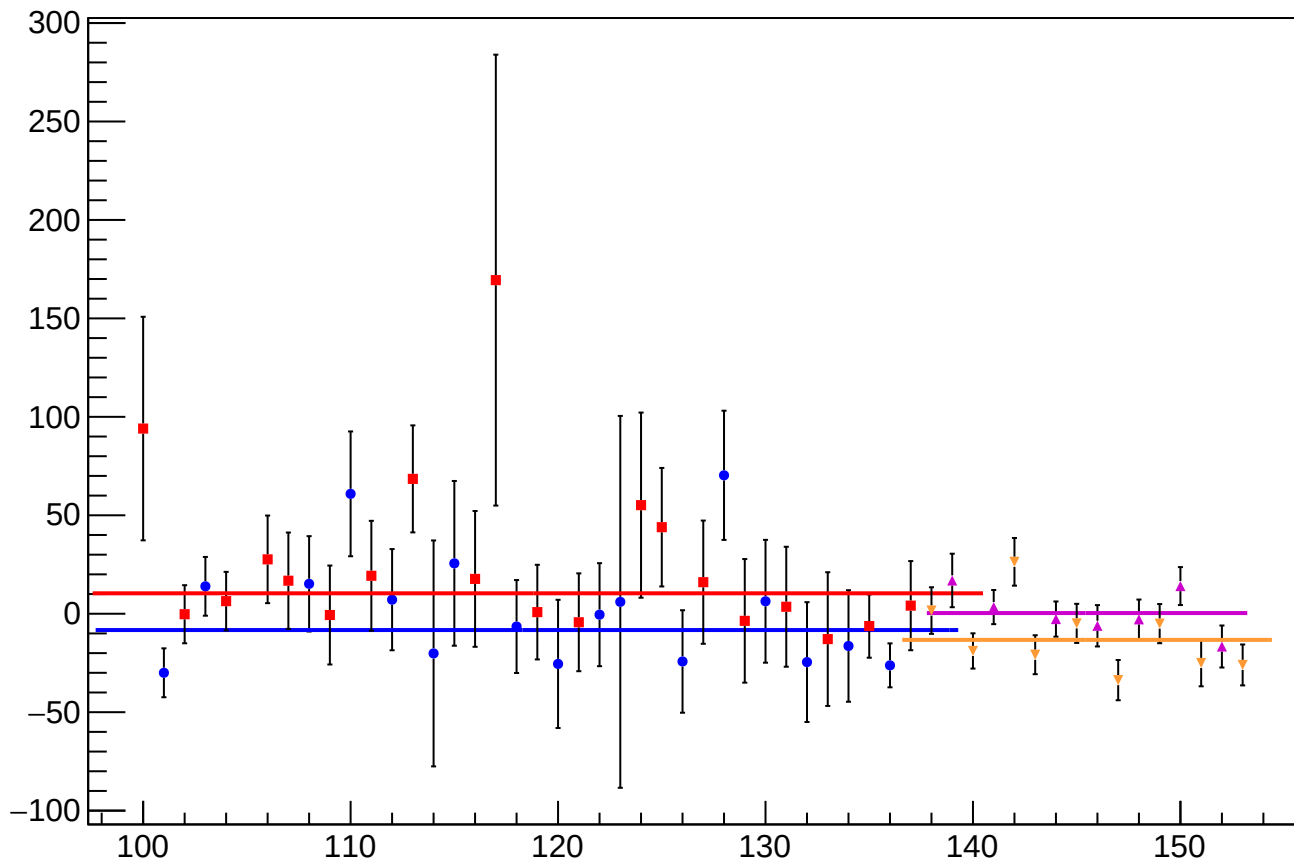
Left In: 6181.639 ± 1.848 $\chi^2/\text{NDF}: 171723.1/6$

6443.888 ± 1.278 $\chi^2/\text{NDF}: 885331.0/25$

6451.108 ± 0.911 $\chi^2/\text{NDF}: 1774812.7/52$

6458.579 ± 1.300 $\chi^2/\text{NDF}: 889416.8/26$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -13.264 $\pm$ 3.474 χ^2/NDF : 21.2/8

Right Out: 10.376 $\pm$ 5.507 χ^2/NDF : 14.8/19

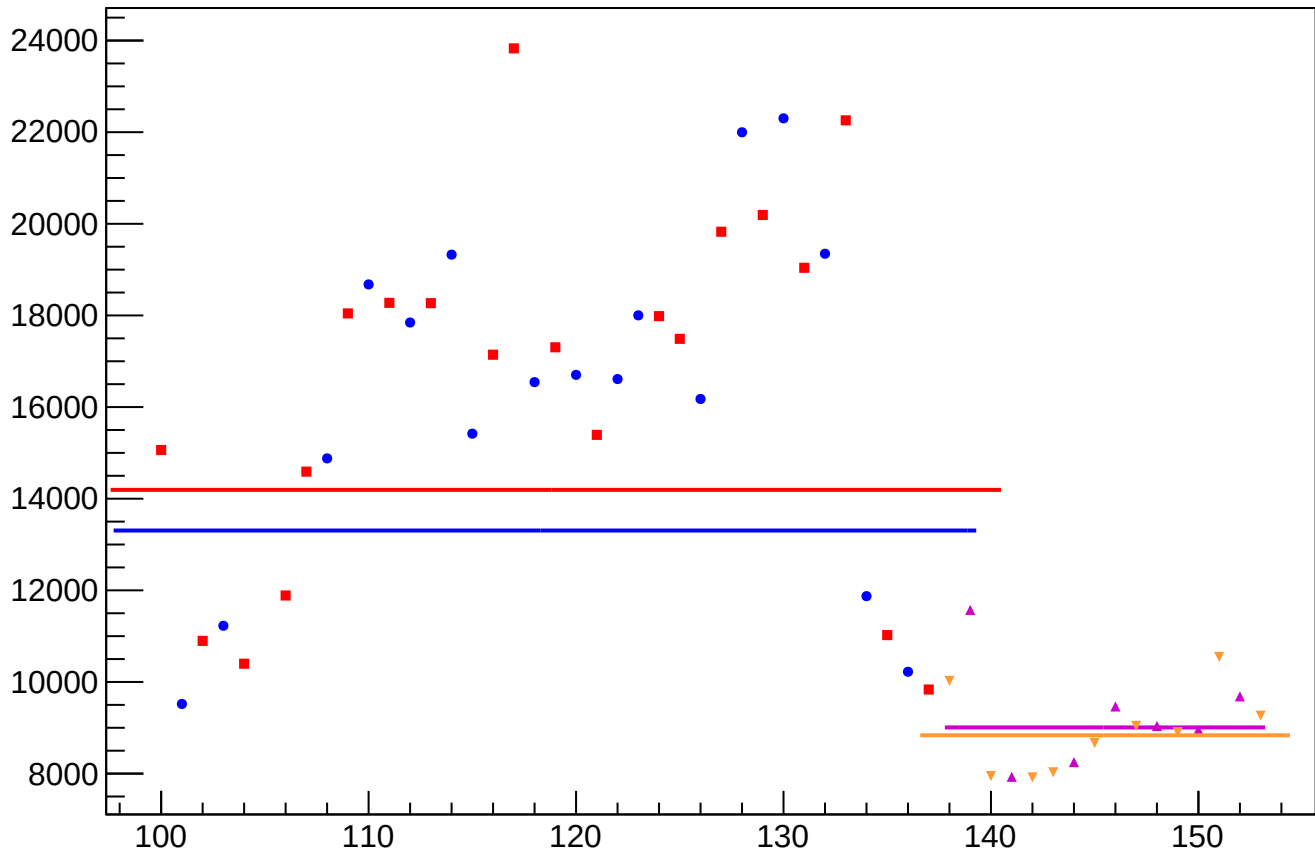
Left In: 0.345 $\pm$ 3.787 χ^2/NDF : 6.8/6

-11.811 $\pm$ 2.923 χ^2/NDF : 43.5/25

-4.624 $\pm$ 2.133 χ^2/NDF : 80.3/52

3.566 $\pm$ 3.120 χ^2/NDF : 23.8/26

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8836.180+/-2.456 χ^2/NDF : 111396.9/8

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

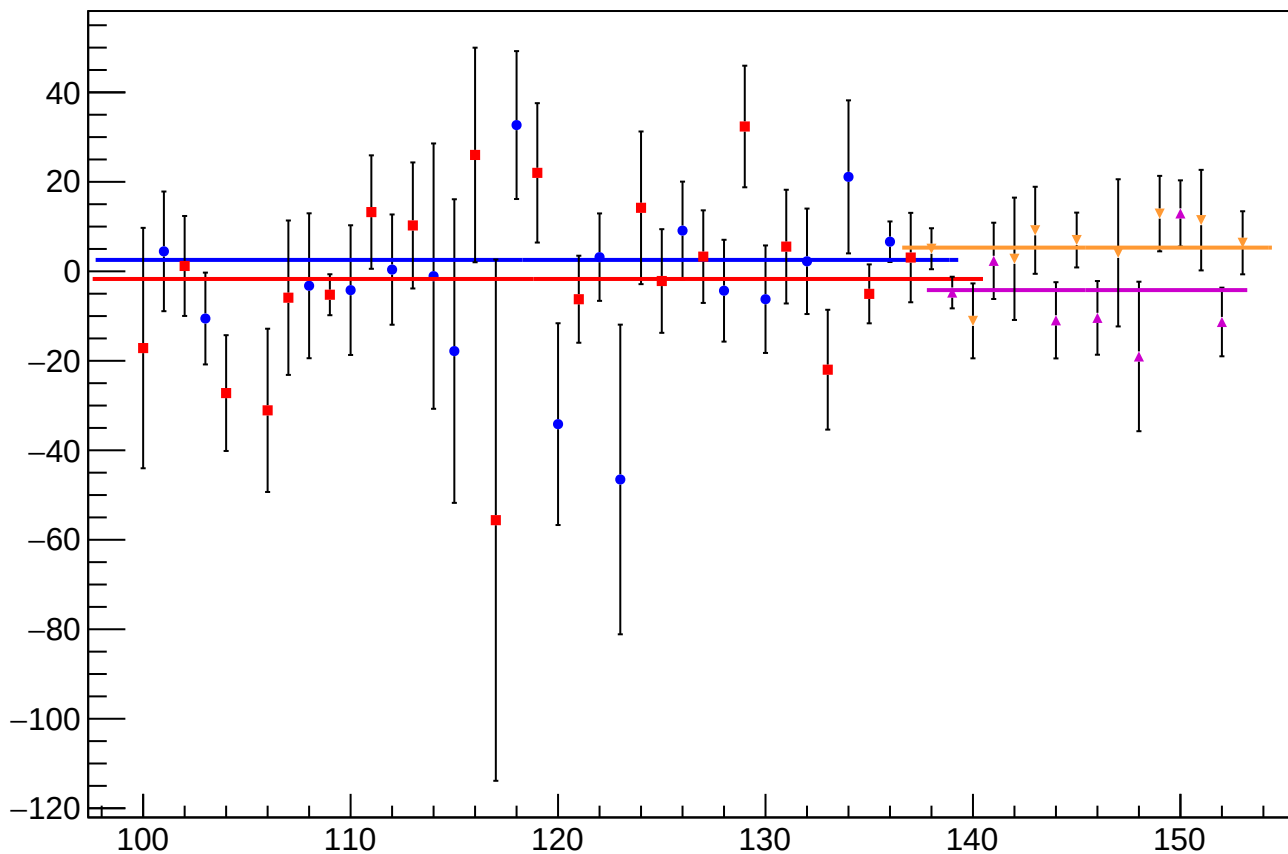
Left In: 9007.740+/-2.678 χ^2/NDF : 128447.5/6

10140.768+/-2.067 χ^2/NDF : 2121918.8/25

10389.366+/-1.508 χ^2/NDF : 4430056.9/5

10672.668+/-2.206 χ^2/NDF : 2277185.1/26

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551+/-2.757 χ^2/NDF : 13.6/16

Left Out: 5.301+/-2.579 χ^2/NDF : 5.2/8

Right Out: -1.708+/-2.440 χ^2/NDF : 24.9/19

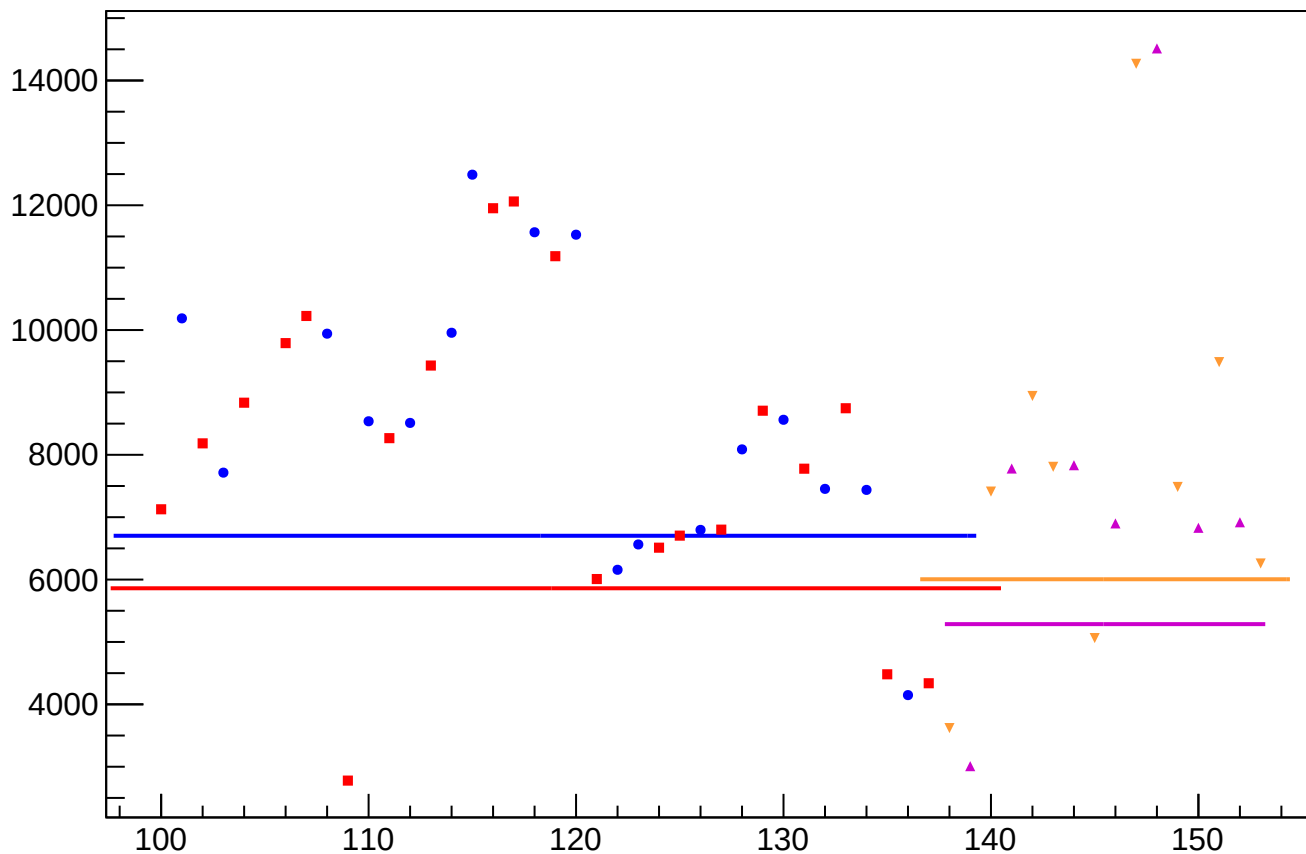
Left In: -4.194+/-2.491 χ^2/NDF : 8.8/6

4.017+/-1.883 χ^2/NDF : 19.4/25

0.277+/-1.279 χ^2/NDF : 60.9/52

-2.926+/-1.743 χ^2/NDF : 34.2/26

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245 $\pm$ 1.949 χ^2/NDF : 1389956.8/16

Left Out: 6005.122 $\pm$ 1.824 χ^2/NDF : 1568370.2/8

Right Out: 5860.505 $\pm$ 1.725 χ^2/NDF : 2301163.3/19

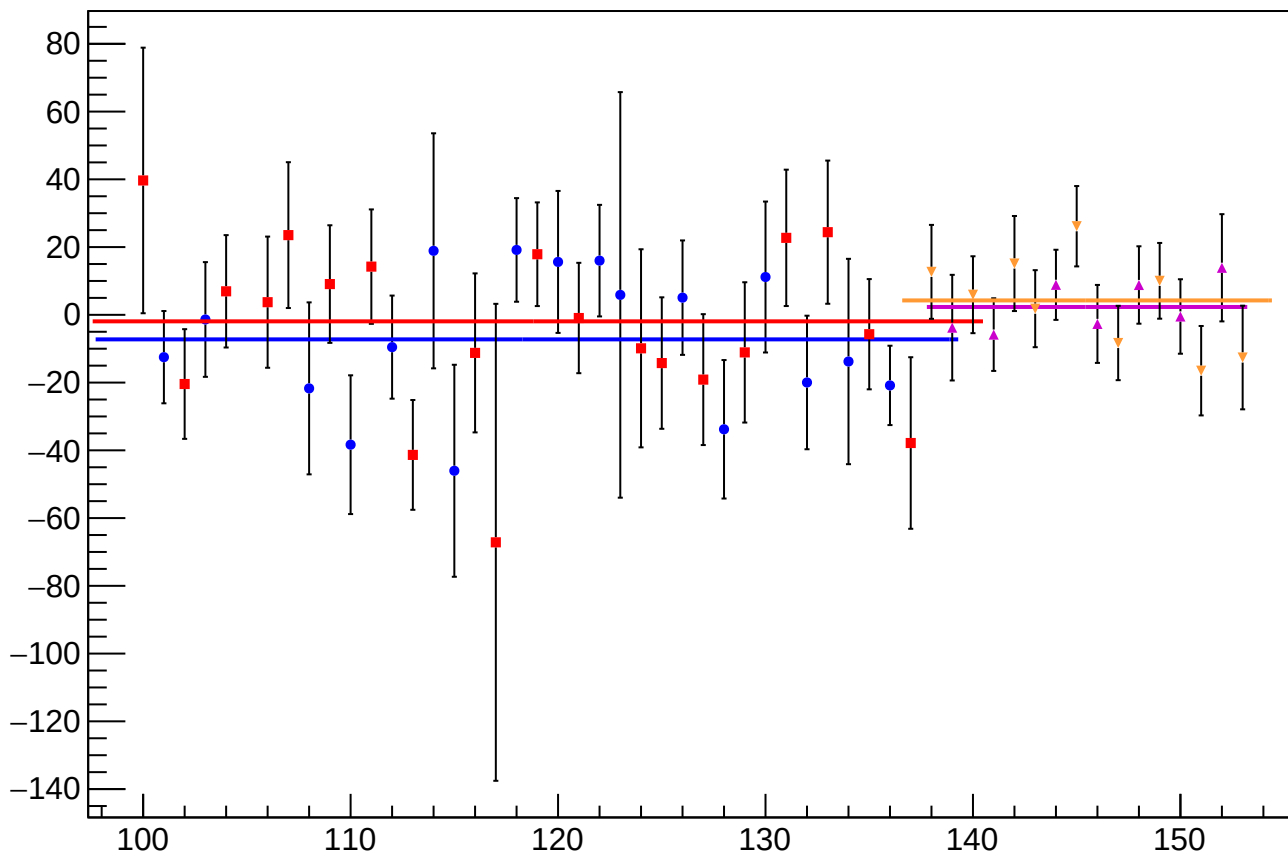
Left In: 5285.803 $\pm$ 1.761 χ^2/NDF : 2044851.1/6

6330.513 $\pm$ 1.332 χ^2/NDF : 3026523.2/25

5925.743 $\pm$ 0.905 χ^2/NDF : 7598357.1/52

5579.055 $\pm$ 1.233 χ^2/NDF : 4400344.0/26

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 4.254 ± 4.110 χ^2/NDF : 9.7/8

Right Out: -1.922 ± 4.365 χ^2/NDF : 20.7/19

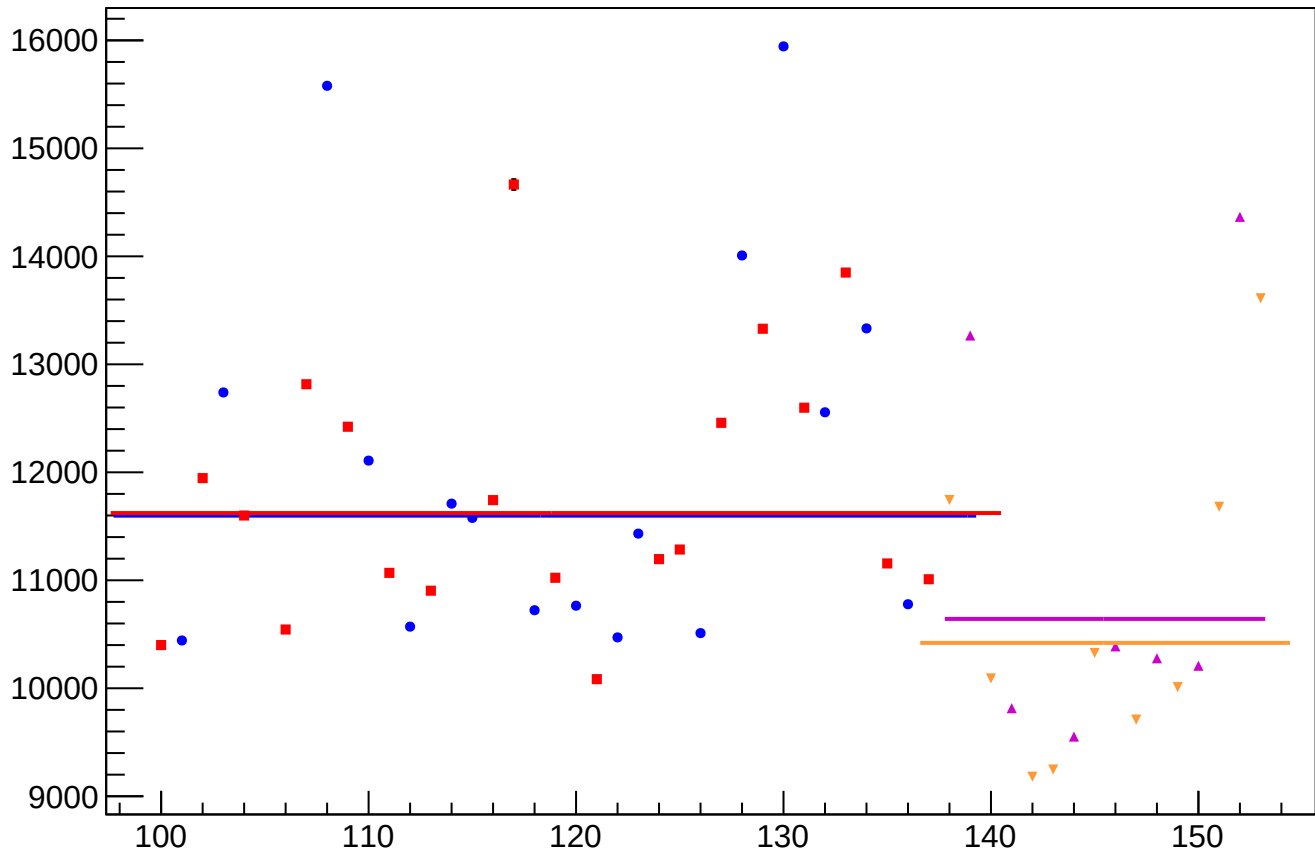
Left In: 2.318 ± 4.489 χ^2/NDF : 2.2/6

-0.917 ± 3.049 χ^2/NDF : 29.2/25

-0.403 ± 2.184 χ^2/NDF : 52.7/52

0.138 ± 3.129 χ^2/NDF : 23.4/26

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 10420.204+/-2.906 χ^2/NDF :173189.4/8

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

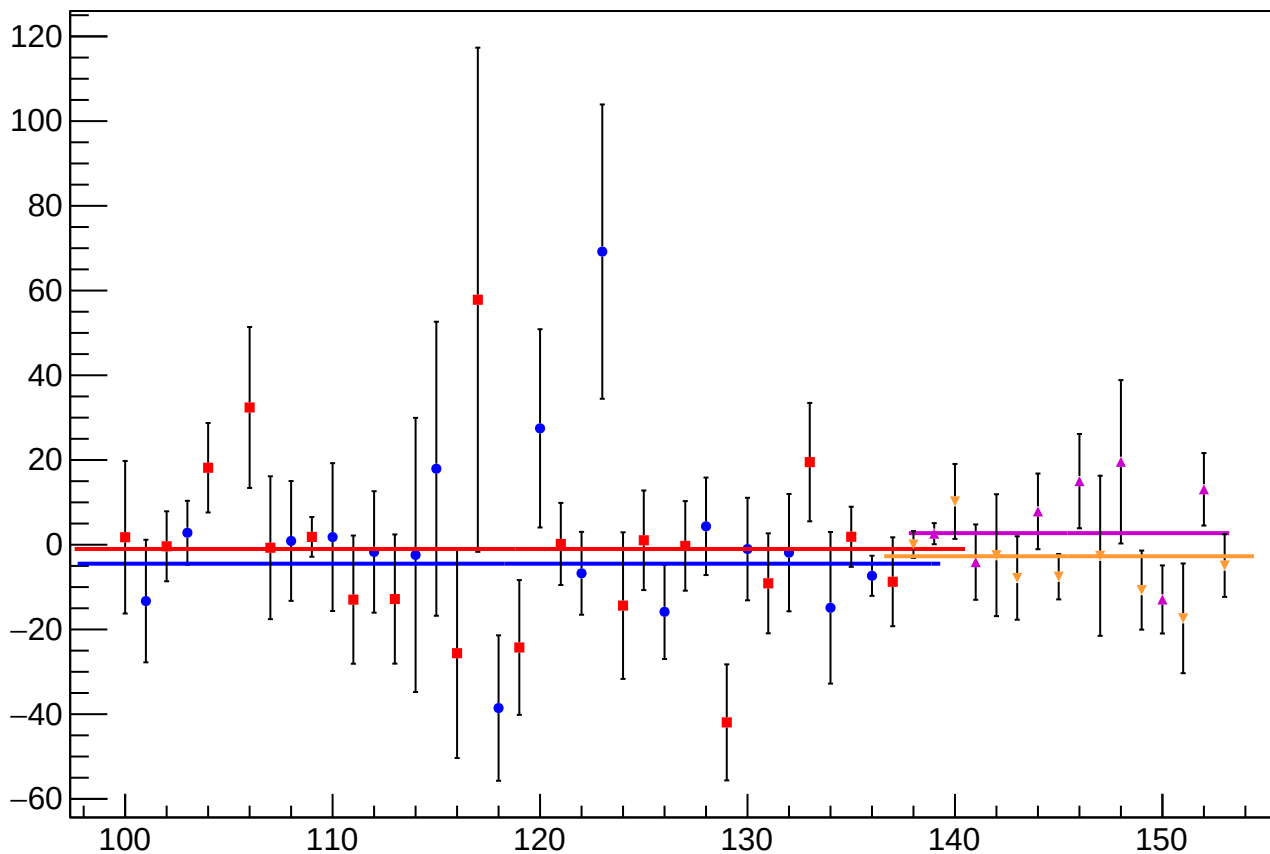
Left In: 10642.227+/-3.174 χ^2/NDF :207547.4/6

10950.176+/-2.156 χ^2/NDF : 482556.9/25

11045.658+/-1.544 χ^2/NDF : 841372.3/52

11146.230+/-2.213 χ^2/NDF : 354788.3/26

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -2.721 ± 2.234 χ^2/NDF : 6.1/8

Right Out: -1.007 ± 2.427 χ^2/NDF : 25.0/19

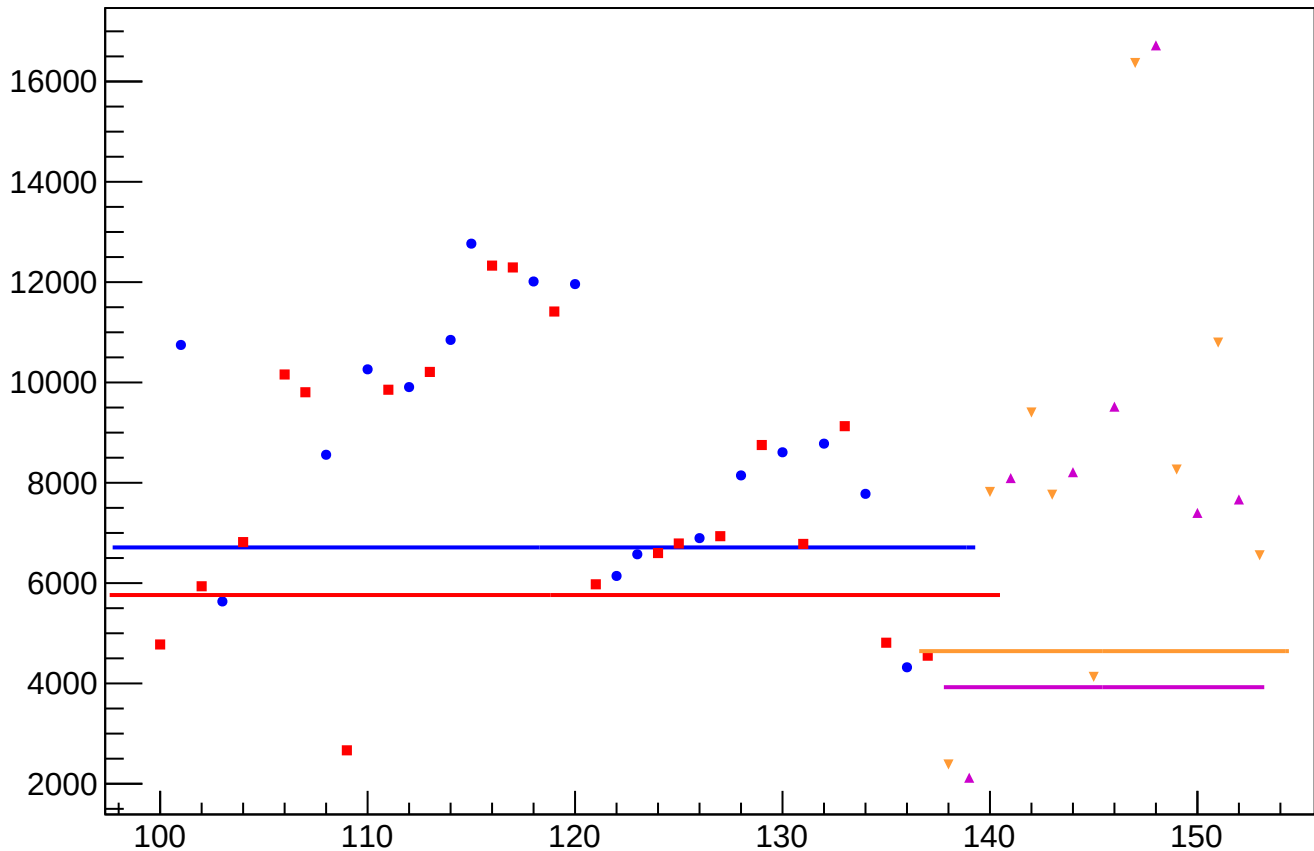
Left In: 2.738 ± 2.102 χ^2/NDF : 8.2/6

-3.409 ± 1.742 χ^2/NDF : 21.2/25

-0.930 ± 1.174 χ^2/NDF : 59.4/52

1.132 ± 1.589 χ^2/NDF : 34.5/26

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 4643.993+/-1.580 χ^2/NDF : 3361214.0/8

Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

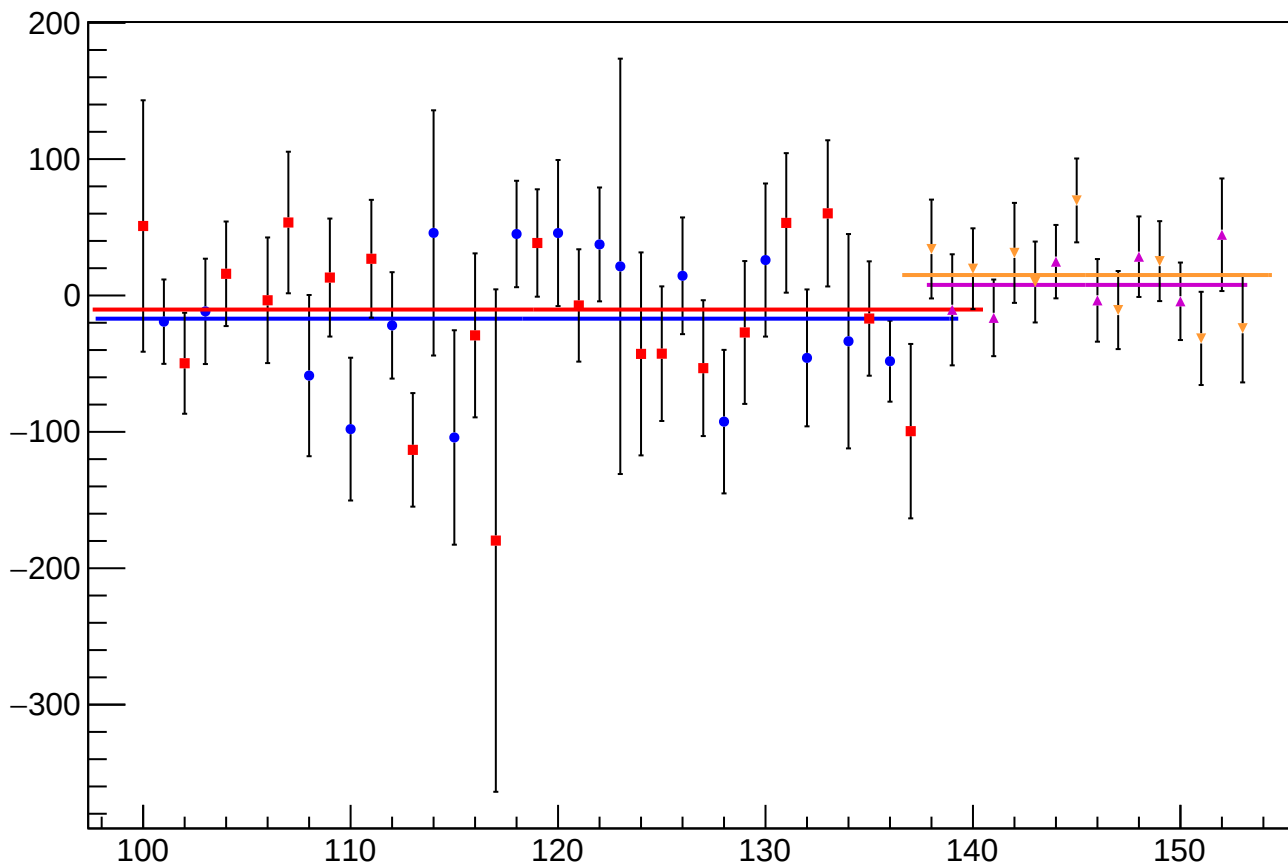
Left In: 3925.367+/-1.487 χ^2/NDF : 4091476.9/6

5454.708+/-1.232 χ^2/NDF : 5479846.8/25

5049.880+/-0.830 χ^2/NDF : 12613111.3/5

4712.948+/-1.124 χ^2/NDF : 6935324.3/26

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 14.995 ± 10.712 χ^2/NDF : 7.4/8

Right Out: -10.311 ± 10.872 χ^2/NDF : 19.9/19

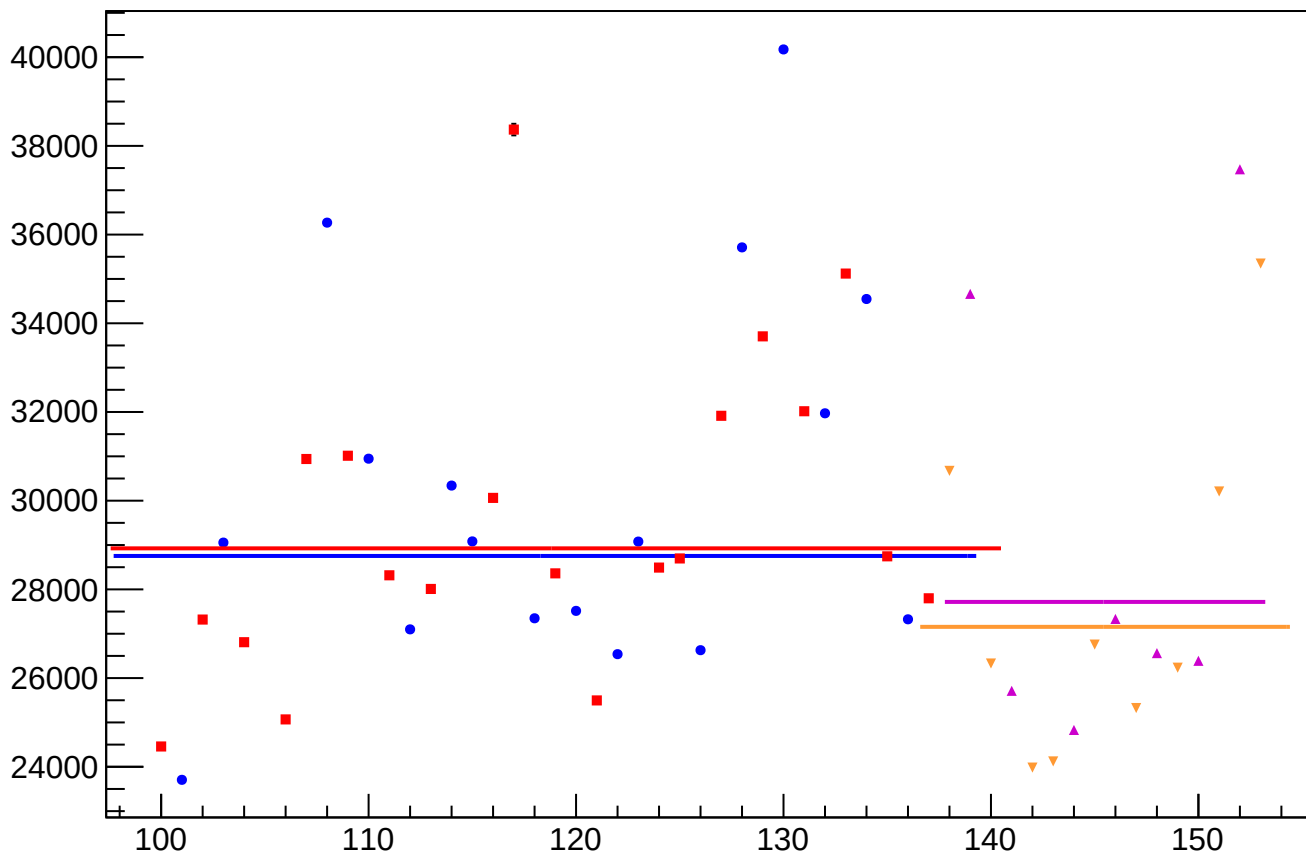
Left In: 7.754 ± 11.693 χ^2/NDF : 2.9/6

-0.172 ± 7.770 χ^2/NDF : 26.6/25

-1.032 ± 5.561 χ^2/NDF : 50.8/52

-1.935 ± 7.962 χ^2/NDF : 24.1/26

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 ± 7.981 χ^2/NDF : 249215.1/16

Left Out: 27155.250 ± 7.575 χ^2/NDF : 167771.2/8

Right Out: 28925.160 ± 7.687 χ^2/NDF : 116514.7/19

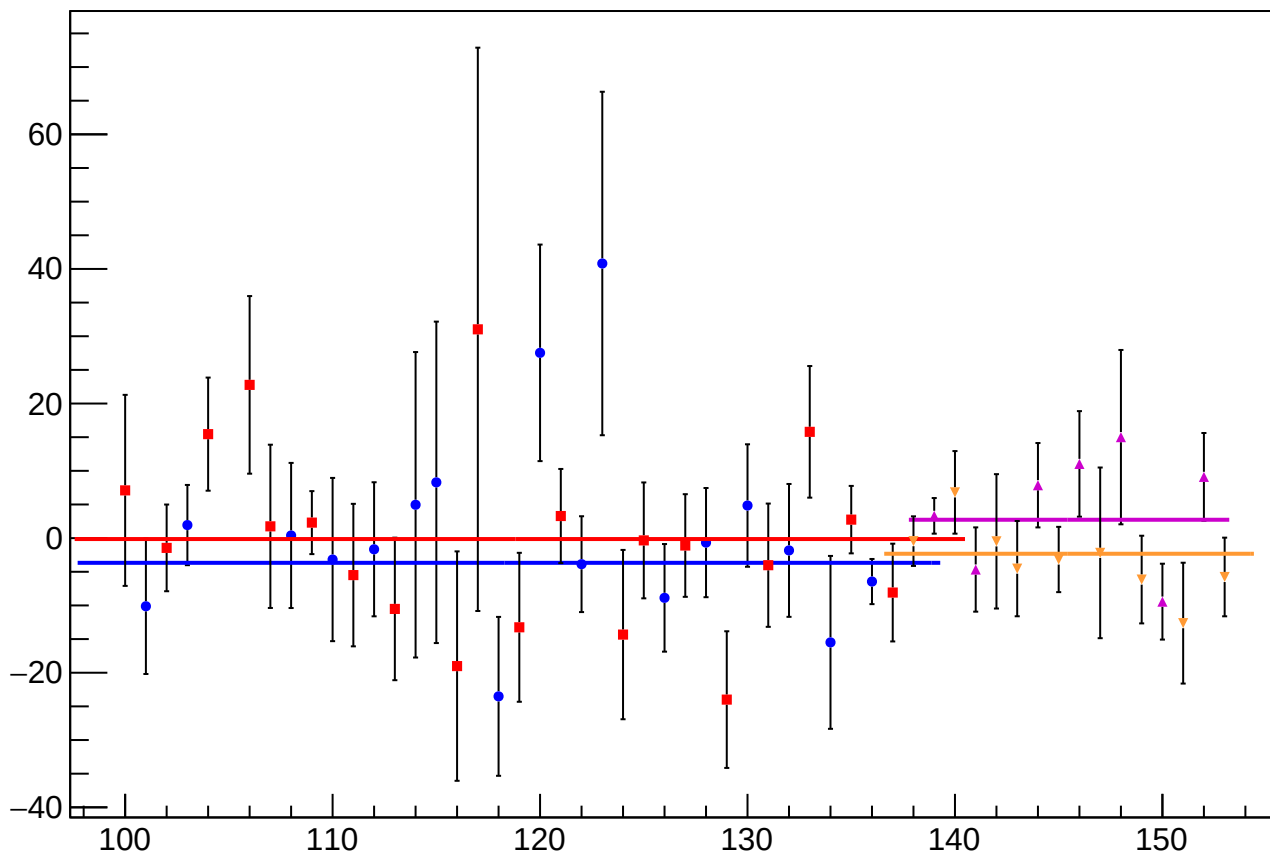
Left In: 27717.352 ± 8.268 χ^2/NDF : 210829.3/6

27912.785 ± 5.494 χ^2/NDF : 438091.3/25

28133.457 ± 3.932 χ^2/NDF : 780187.2/52

28365.173 ± 5.630 χ^2/NDF : 338788.9/26

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 $\pm$ 2.010 χ^2/NDF : 14.5/16

Left Out: -2.321 $\pm$ 2.024 χ^2/NDF : 4.6/8

Right Out: -0.135 $\pm$ 1.891 χ^2/NDF : 22.9/19

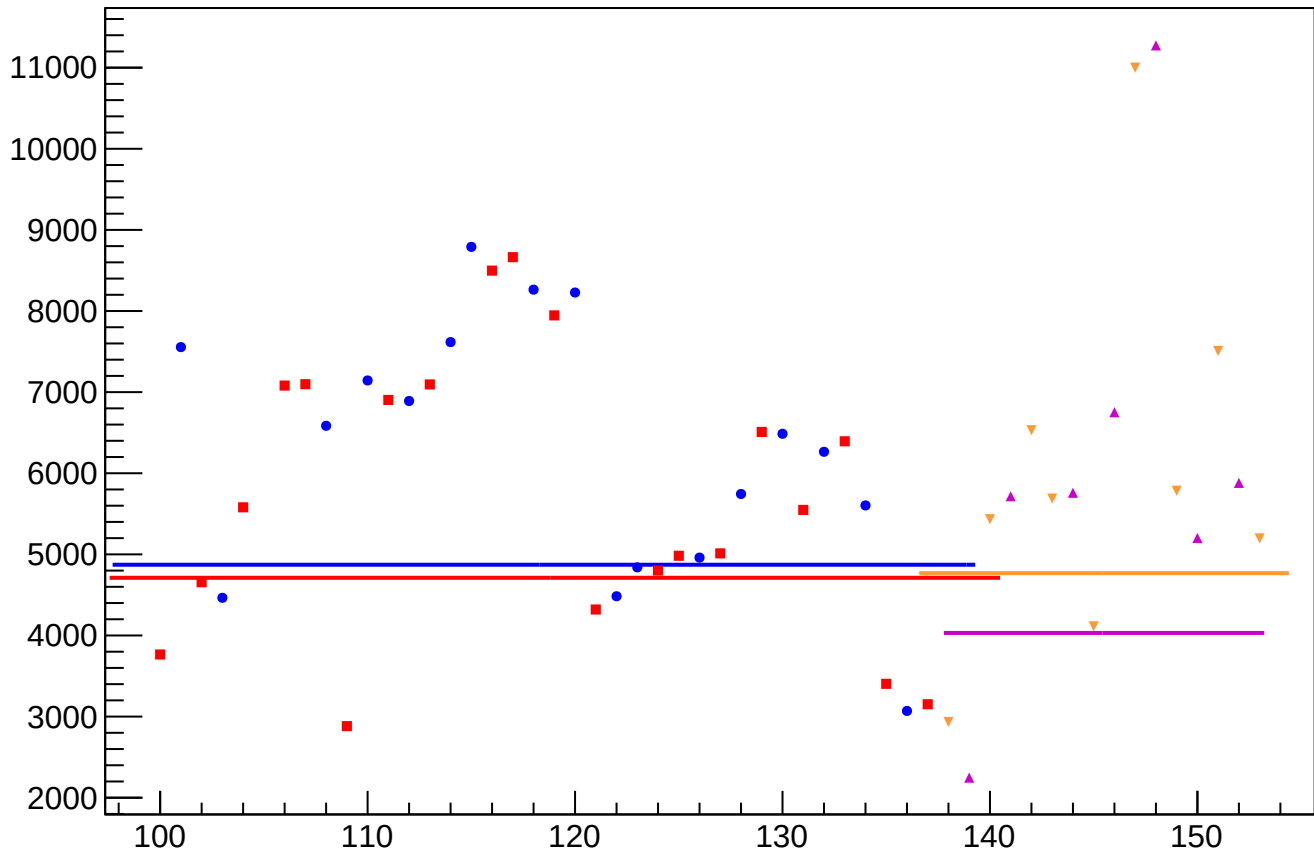
Left In: 2.731 $\pm$ 1.921 χ^2/NDF : 9.7/6

-2.999 $\pm$ 1.426 χ^2/NDF : 19.4/25

-0.741 $\pm$ 0.979 χ^2/NDF : 57.9/52

1.275 $\pm$ 1.348 χ^2/NDF : 33.7/26

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 +/- 1.421 χ^2/NDF : 1405253.2/16

Left Out: 4768.279 +/- 1.431 χ^2/NDF : 1380517.2/8

Right Out: 4711.077 +/- 1.337 χ^2/NDF : 1330595.4/19

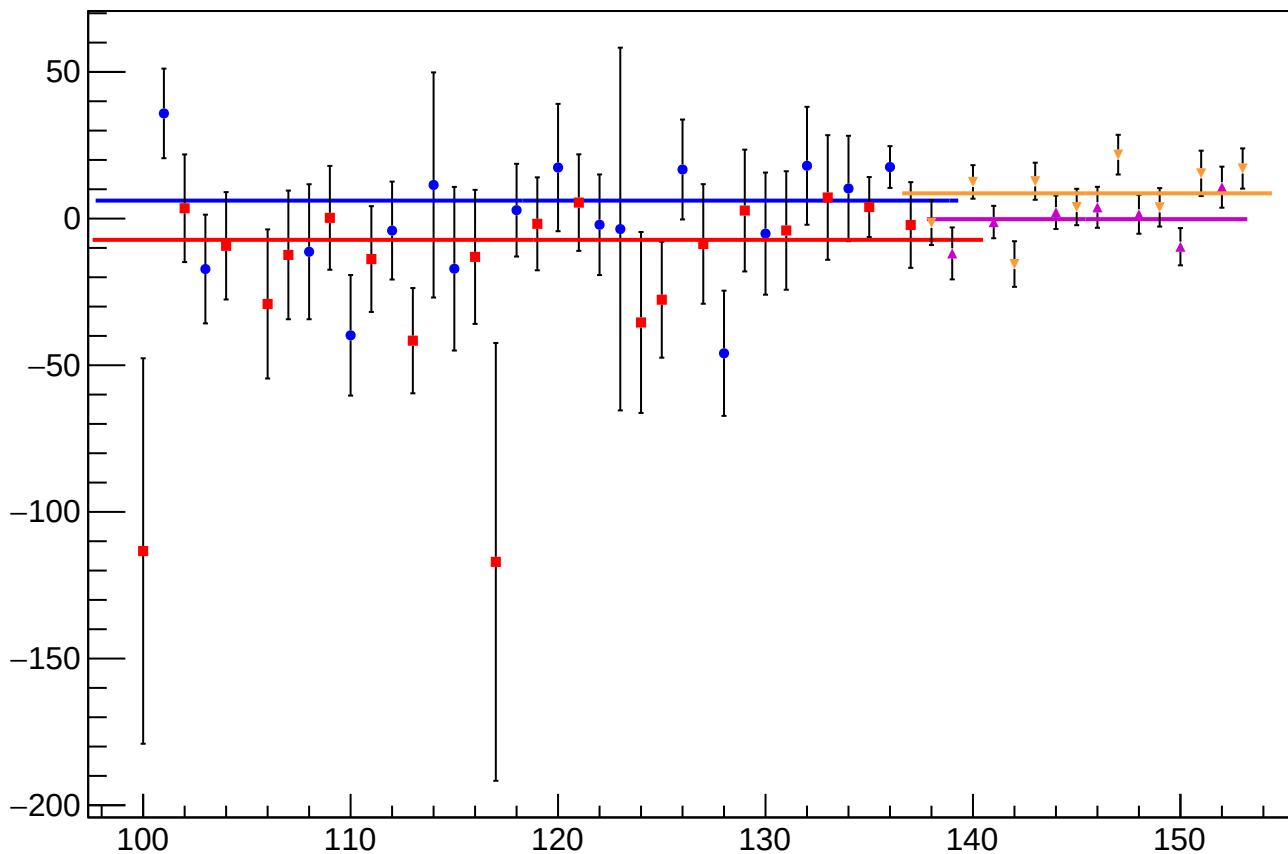
Left In: 4031.221 +/- 1.358 χ^2/NDF : 2319142.6/6

4820.548 +/- 1.008 χ^2/NDF : 2788420.8/25

4586.005 +/- 0.693 χ^2/NDF : 6667816.5/52

4376.556 +/- 0.953 χ^2/NDF : 3776972.8/26

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 8.613 ± 2.245 χ^2/NDF : 19.4/8

Right Out: -7.243 ± 4.218 χ^2/NDF : 14.6/19

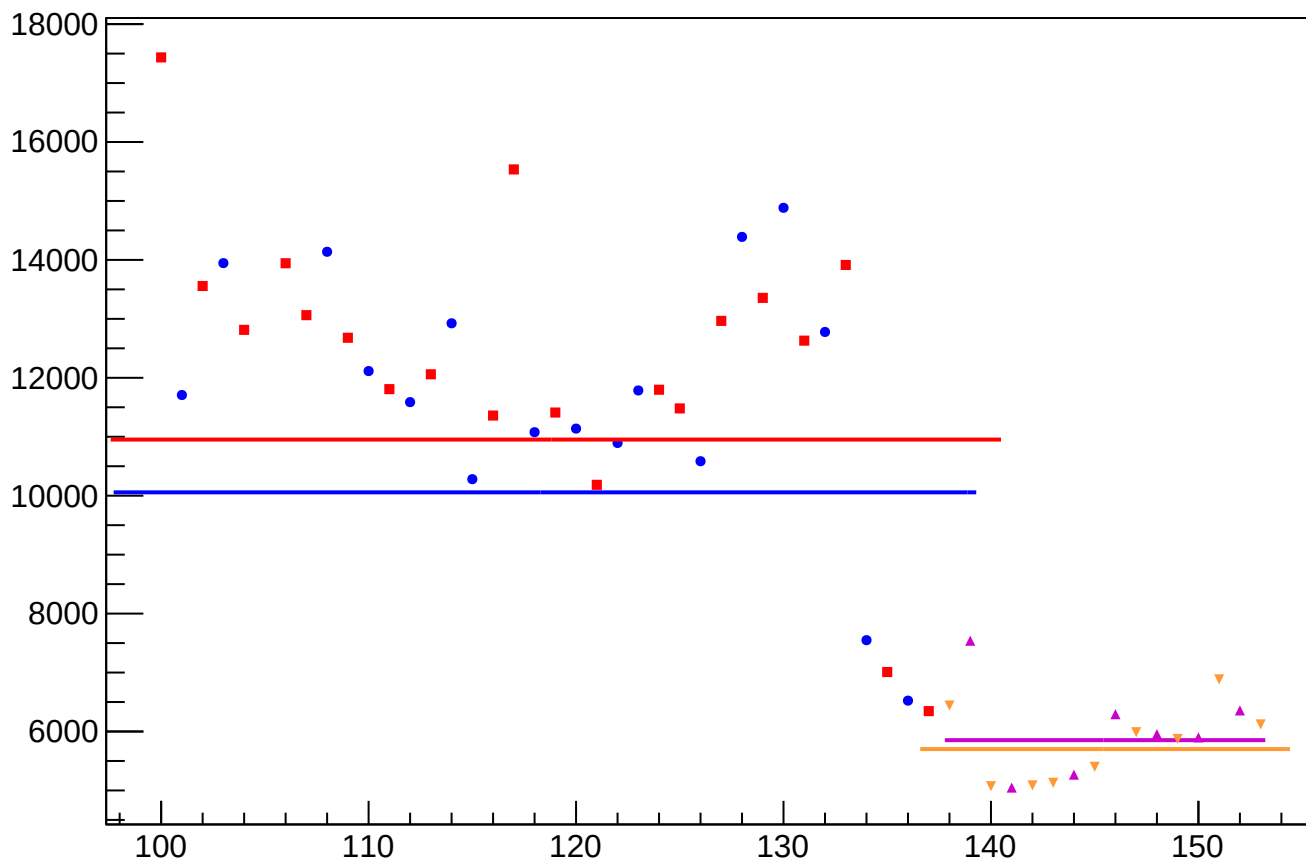
Left In: -0.186 ± 2.463 χ^2/NDF : 7.0/6

8.037 ± 1.967 χ^2/NDF : 41.9/25

3.420 ± 1.444 χ^2/NDF : 77.5/52

-1.981 ± 2.127 χ^2/NDF : 23.7/26

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5701.951 $\pm$ 1.587 χ^2/NDF :135864.8/8

Right Out: 10952.255 $\pm$ 2.982 χ^2/NDF : 770474.3/19

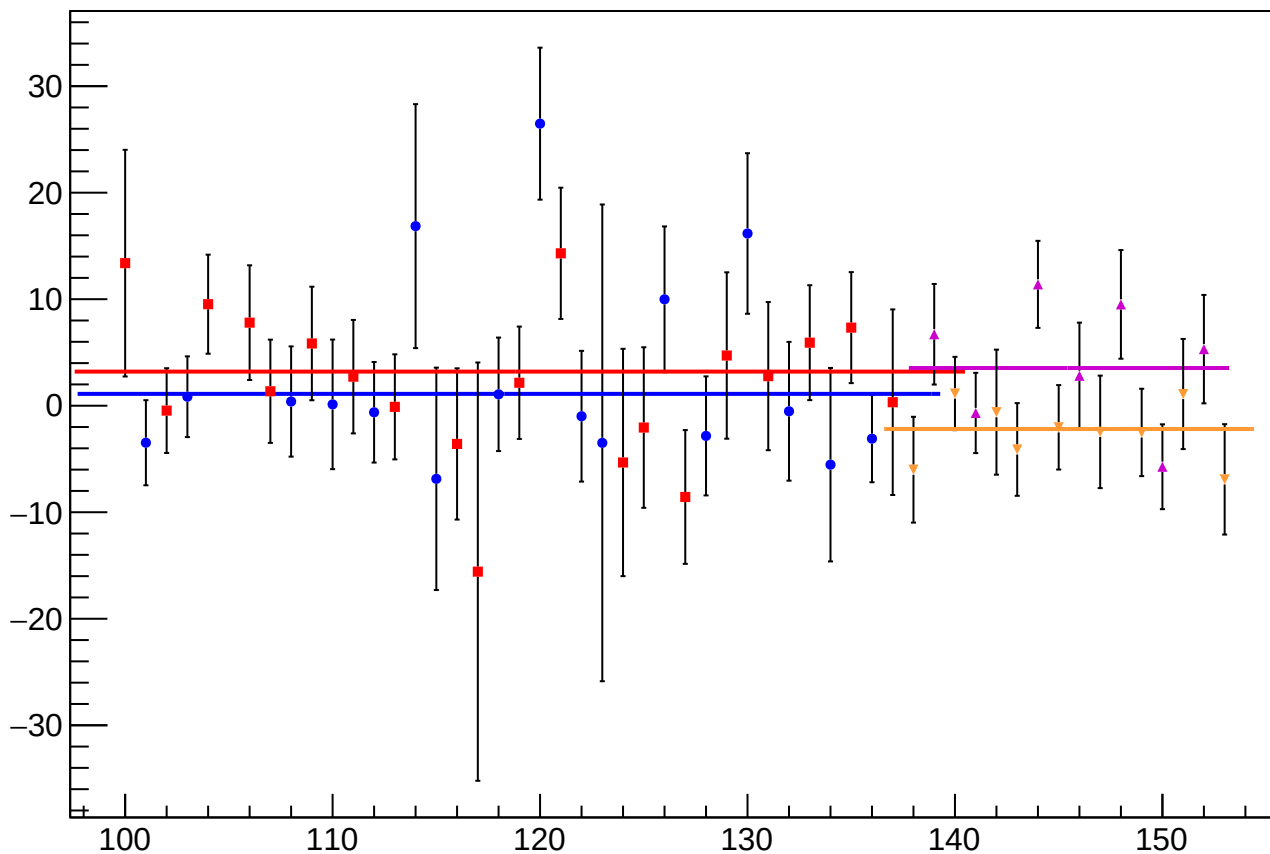
Left In: 5853.118 $\pm$ 1.742 χ^2/NDF :154982.9/6

6713.900 $\pm$ 1.391 χ^2/NDF : 2887810.4/25

6914.995 $\pm$ 1.021 χ^2/NDF : 6038351.4/52

7150.225 $\pm$ 1.504 χ^2/NDF : 3105176.8/26

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.188 ± 1.507 χ^2/NDF : 3.0/8

Right Out: 3.204 ± 1.331 χ^2/NDF : 16.0/19

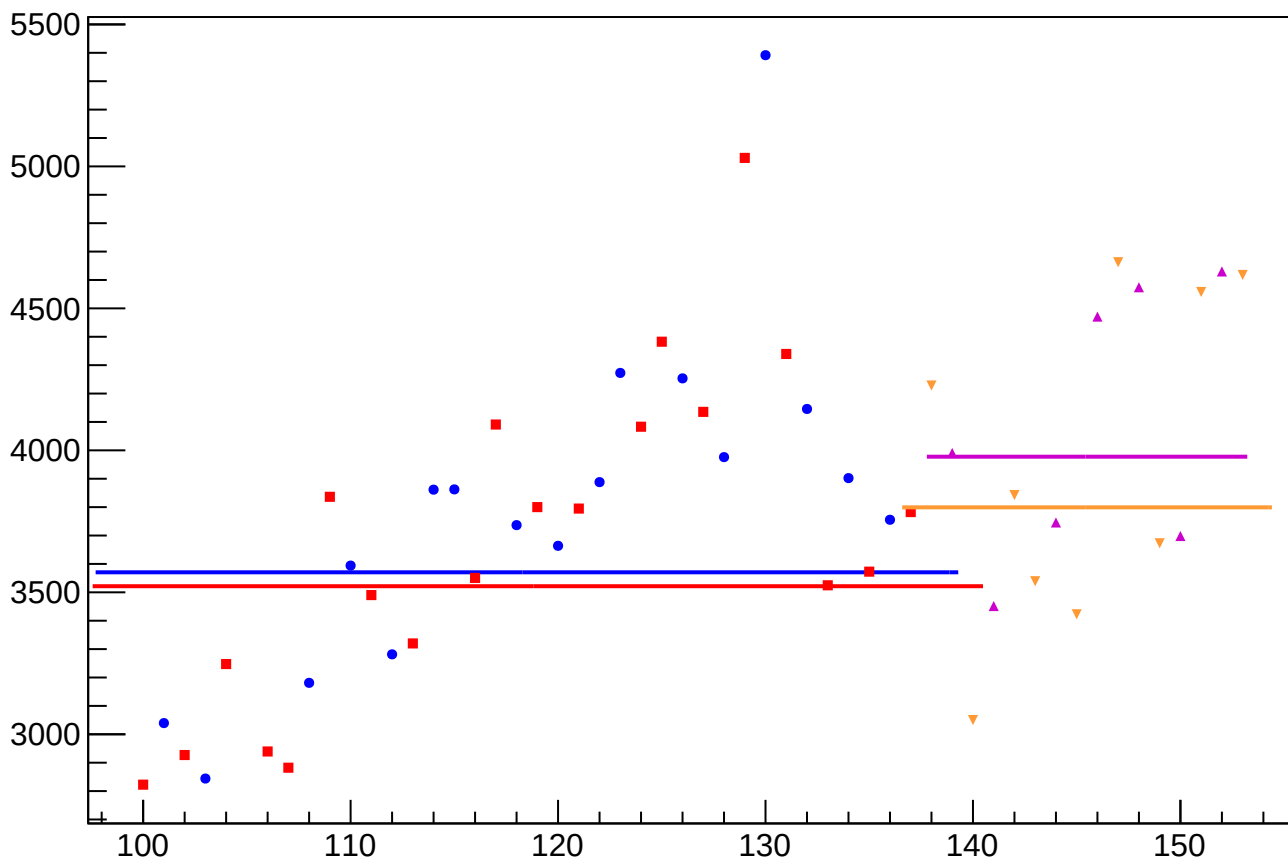
Left In: 3.539 ± 1.677 χ^2/NDF : 12.3/6

-0.420 ± 1.027 χ^2/NDF : 30.2/25

1.428 ± 0.731 χ^2/NDF : 65.1/52

3.333 ± 1.042 χ^2/NDF : 28.3/26

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481 $\pm$ 0.992 χ^2/NDF : 309699.2/16

Left Out: 3799.249 $\pm$ 1.065 χ^2/NDF : 283353.5/8

Right Out: 3521.513 $\pm$ 0.941 χ^2/NDF : 295082.3/19

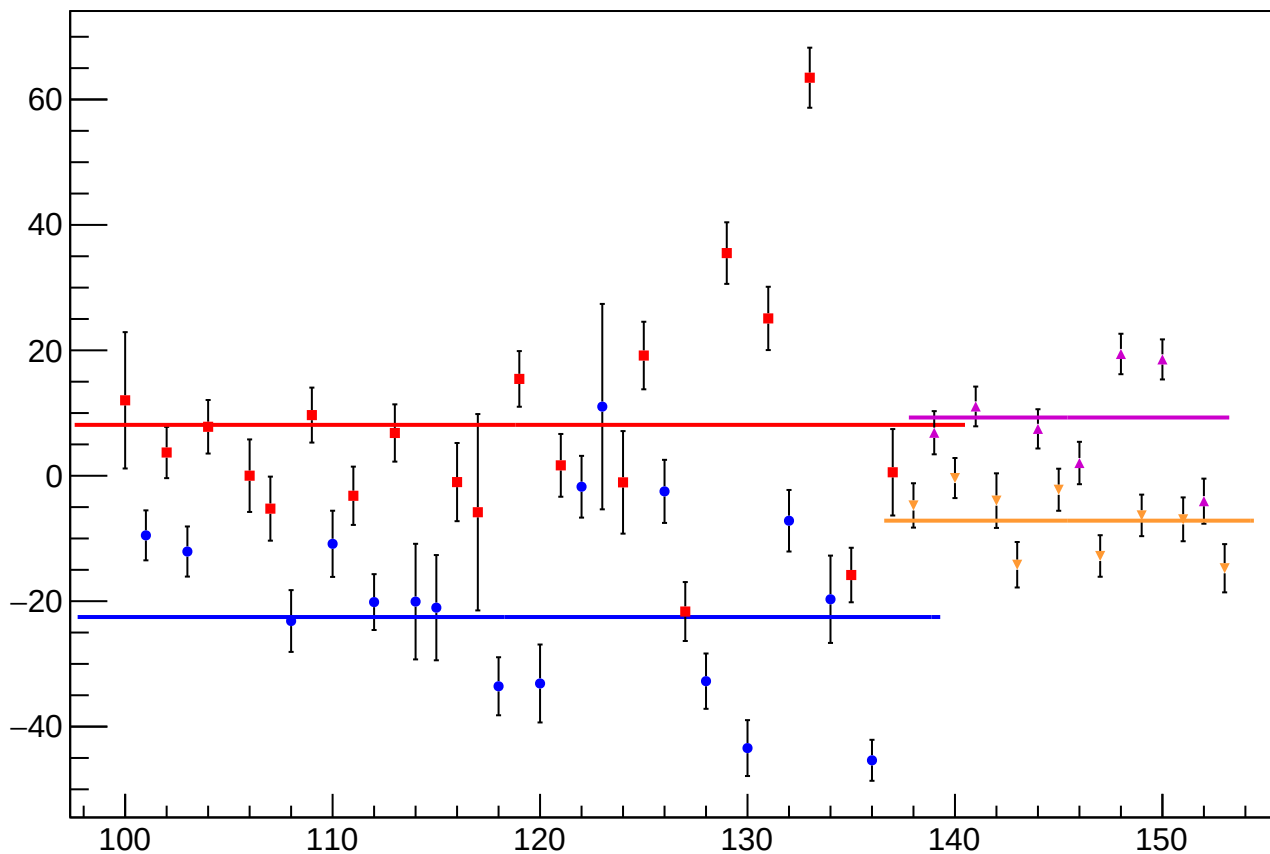
Left In: 3977.632 $\pm$ 1.186 χ^2/NDF : 135085.7/6

3676.700 $\pm$ 0.726 χ^2/NDF : 617748.3/25

3687.046 $\pm$ 0.517 χ^2/NDF : 1139120.5/52

3697.709 $\pm$ 0.737 χ^2/NDF : 520959.8/26

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 $\pm$ 1.201 χ^2 /NDF: 155.5/16

Left Out: -7.159 $\pm$ 1.173 χ^2 /NDF:18.3/8

Right Out: 8.116 $\pm$ 1.154 χ^2 /NDF: 276.6/19

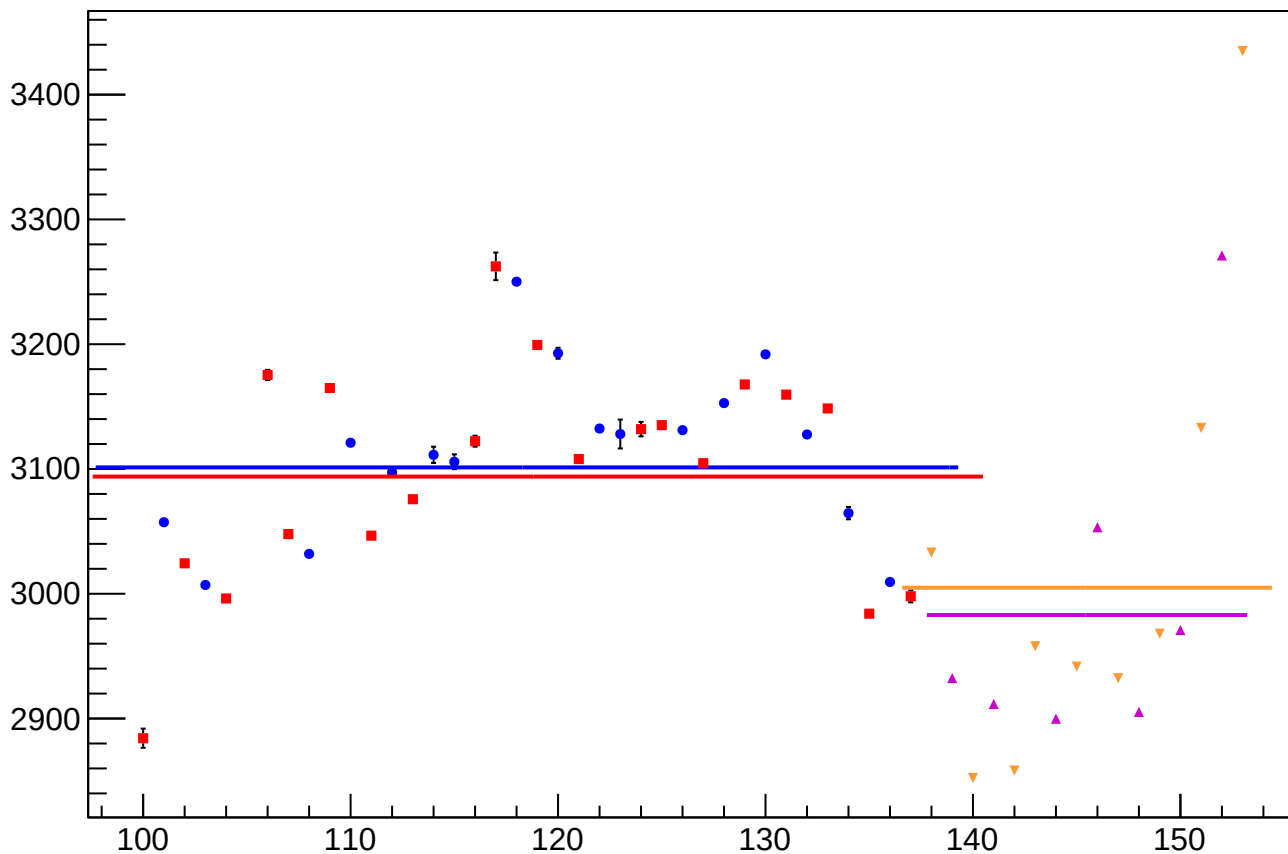
Left In: 9.289 $\pm$ 1.245 χ^2 /NDF:37.8/6

-14.662 $\pm$ 0.839 χ^2 /NDF: 257.6/25

-3.104 $\pm$ 0.596 χ^2 /NDF: 955.6/52

8.658 $\pm$ 0.846 χ^2 /NDF: 314.9/26

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 +/- 0.849 χ^2/NDF : 7233.8/16

Left Out: 3004.818 +/- 0.829 χ^2/NDF : 36873.7/8

Right Out: 3093.913 +/- 0.816 χ^2/NDF : 7998.9/19

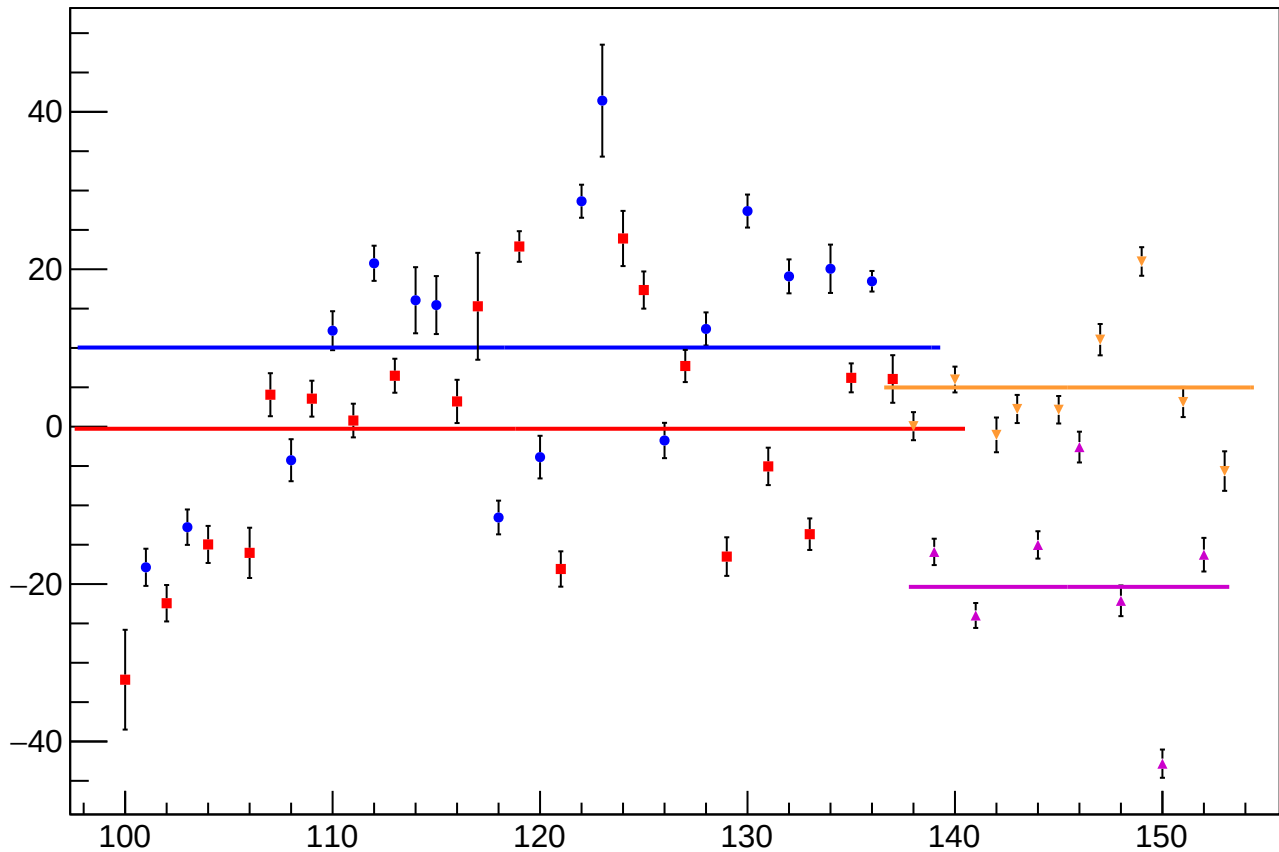
Left In: 2982.932 +/- 0.880 χ^2/NDF : 17760.7/6

3051.911 +/- 0.593 χ^2/NDF : 50713.9/25

3047.315 +/- 0.421 χ^2/NDF : 85144.7/52

3042.638 +/- 0.598 χ^2/NDF : 34309.7/26

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 4.982 ± 0.630 χ^2/NDF : 126.2/8

Right Out: -0.266 ± 0.545 χ^2/NDF : 635.1/19

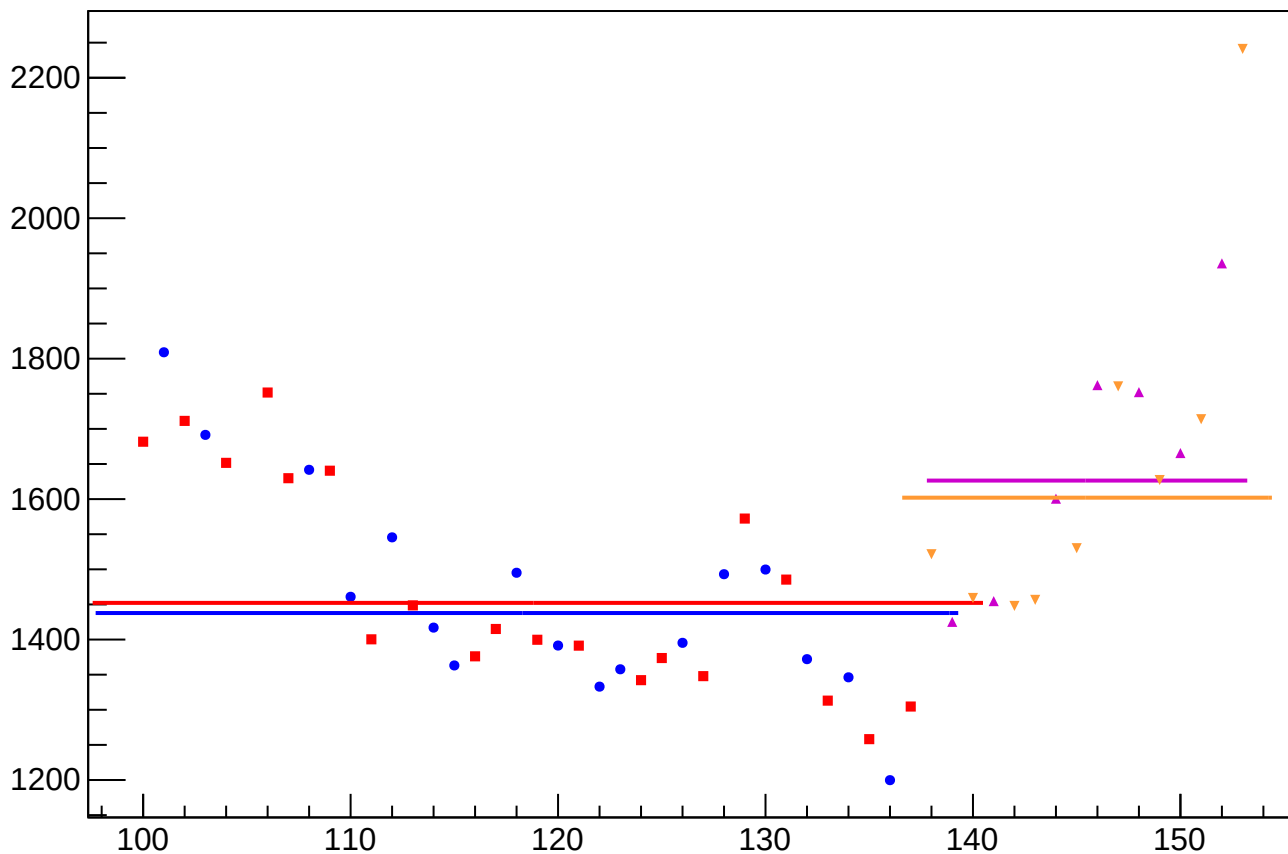
Left In: -20.355 ± 0.684 χ^2/NDF : 265.2/6

7.809 ± 0.419 χ^2/NDF : 854.5/25

-0.003 ± 0.299 χ^2/NDF : 2988.7/52

-8.078 ± 0.426 χ^2/NDF : 1428.1/26

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2/NDF : 173216.2/16

Left Out: 1602.050 $\pm$ 0.445 χ^2/NDF : 194855.6/8

Right Out: 1452.227 $\pm$ 0.386 χ^2/NDF : 138666.1/19

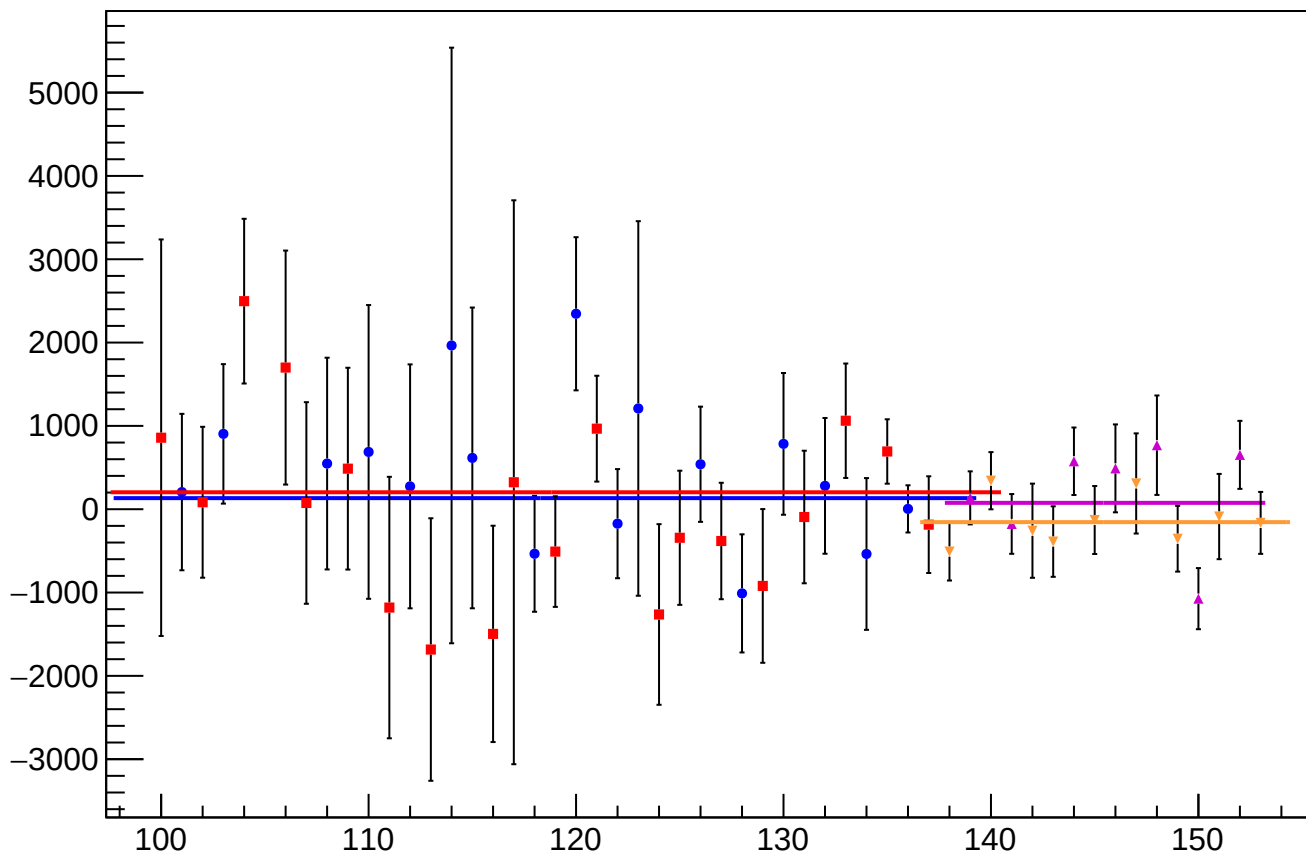
Left In: 1626.393 $\pm$ 0.483 χ^2/NDF : 113681.7/6

1510.519 $\pm$ 0.296 χ^2/NDF : 443835.0/25

1515.157 $\pm$ 0.211 χ^2/NDF : 776027.9/52

1519.952 $\pm$ 0.301 χ^2/NDF : 331695.0/26

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2/NDF : 12.9/16

Left Out: -154.983 $\pm$ 138.980 χ^2/NDF : 4.3/8

Right Out: 203.418 $\pm$ 184.080 χ^2/NDF : 21.4/19

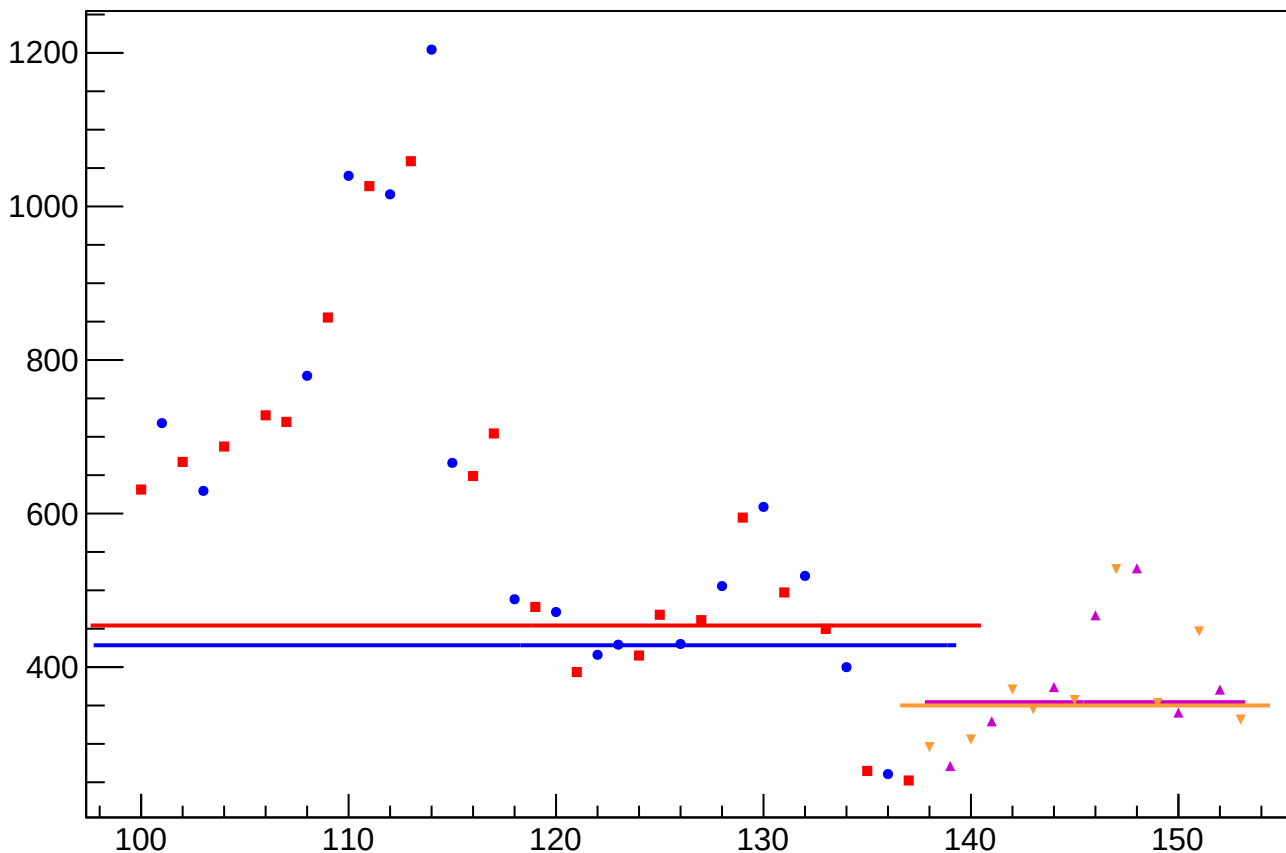
Left In: 76.441 $\pm$ 151.508 χ^2/NDF : 15.8/6

-47.655 $\pm$ 110.067 χ^2/NDF : 18.8/25

34.698 $\pm$ 80.162 χ^2/NDF : 57.6/52

127.720 $\pm$ 116.981 χ^2/NDF : 37.5/26

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 350.041 $\pm$ 0.098 χ^2 /NDF: 336561.1/8

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

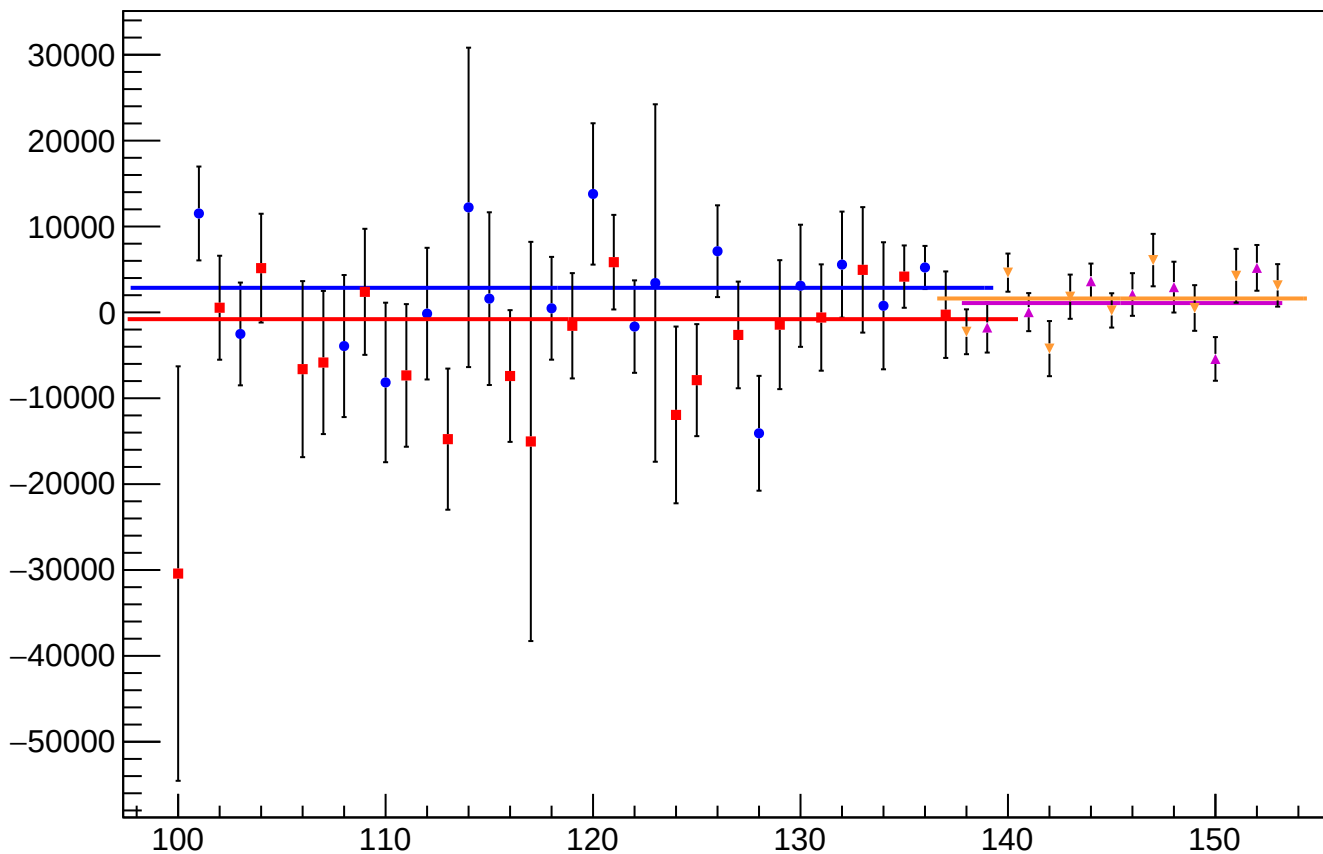
Left In: 354.339 $\pm$ 0.107 χ^2 /NDF: 419261.0/6

379.275 $\pm$ 0.078 χ^2 /NDF: 2585388.5/25

386.499 $\pm$ 0.057 χ^2 /NDF: 5414498.4/52

394.658 $\pm$ 0.083 χ^2 /NDF: 2810764.9/26

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1619.179 $\pm$ 857.039 χ^2 /NDF: 11.2/8

Right Out: -789.608 $\pm$ 1506.053 χ^2 /NDF: 14.4/19

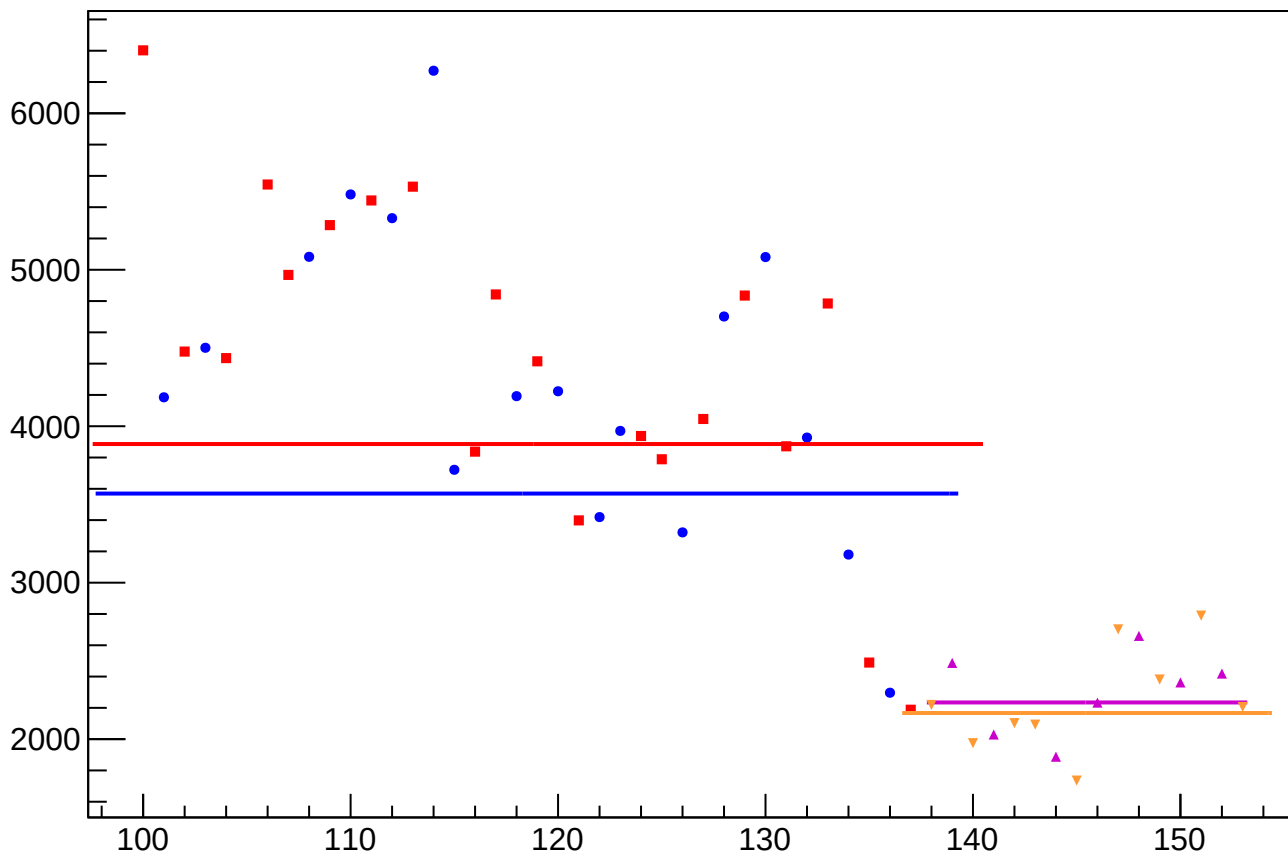
Left In: 1084.782 $\pm$ 940.875 χ^2 /NDF: 12.2/6

1941.031 $\pm$ 737.519 χ^2 /NDF: 28.5/25

1304.144 $\pm$ 541.613 χ^2 /NDF: 57.7/52

558.596 $\pm$ 797.958 χ^2 /NDF: 27.7/26

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2167.093+/-0.606 χ^2/NDF : 265311.2/8

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

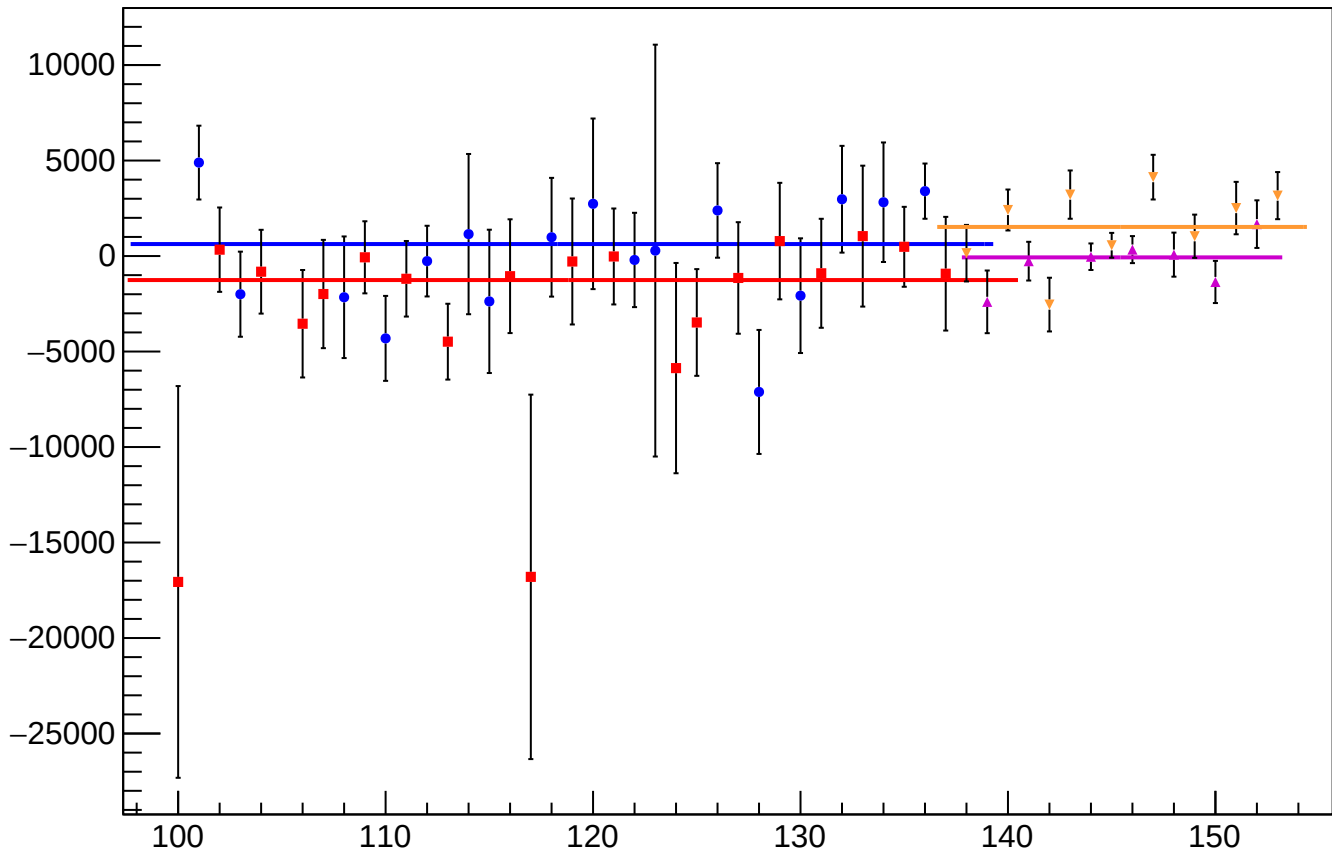
Left In: 2234.494+/-0.665 χ^2/NDF : 145062.7/6

2531.003+/-0.522 χ^2/NDF : 2742999.9/25

2608.015+/-0.383 χ^2/NDF : 5652139.6/52

2698.167+/-0.564 χ^2/NDF : 2861803.9/26

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 ± 620.929 $\chi^2/\text{NDF}: 25.1/16$

Left Out: 1523.780 ± 364.597 $\chi^2/\text{NDF}: 21.3/8$

Right Out: -1257.467 ± 601.857 $\chi^2/\text{NDF}: 12.6/19$

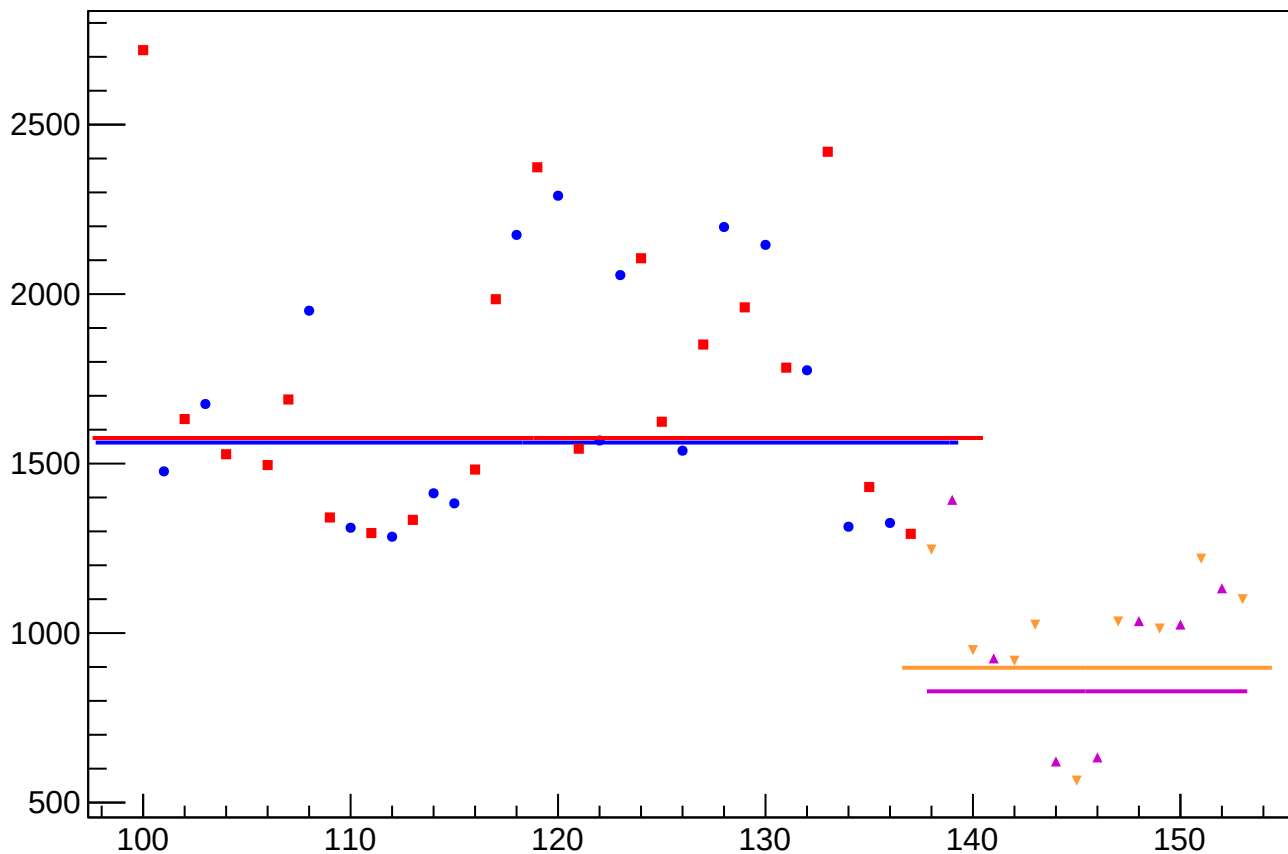
Left In: -70.199 ± 362.058 $\chi^2/\text{NDF}: 5.7/6$

1294.028 ± 314.404 $\chi^2/\text{NDF}: 47.9/25$

442.996 ± 220.833 $\chi^2/\text{NDF}: 83.5/52$

-385.684 ± 310.248 $\chi^2/\text{NDF}: 21.1/26$

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 ± 0.439 $\chi^2/\text{NDF}: 482088.3/16$

Left Out: 897.692 ± 0.258 $\chi^2/\text{NDF}: 872886.4/8$

Right Out: 1575.541 ± 0.426 $\chi^2/\text{NDF}: 467687.2/19$

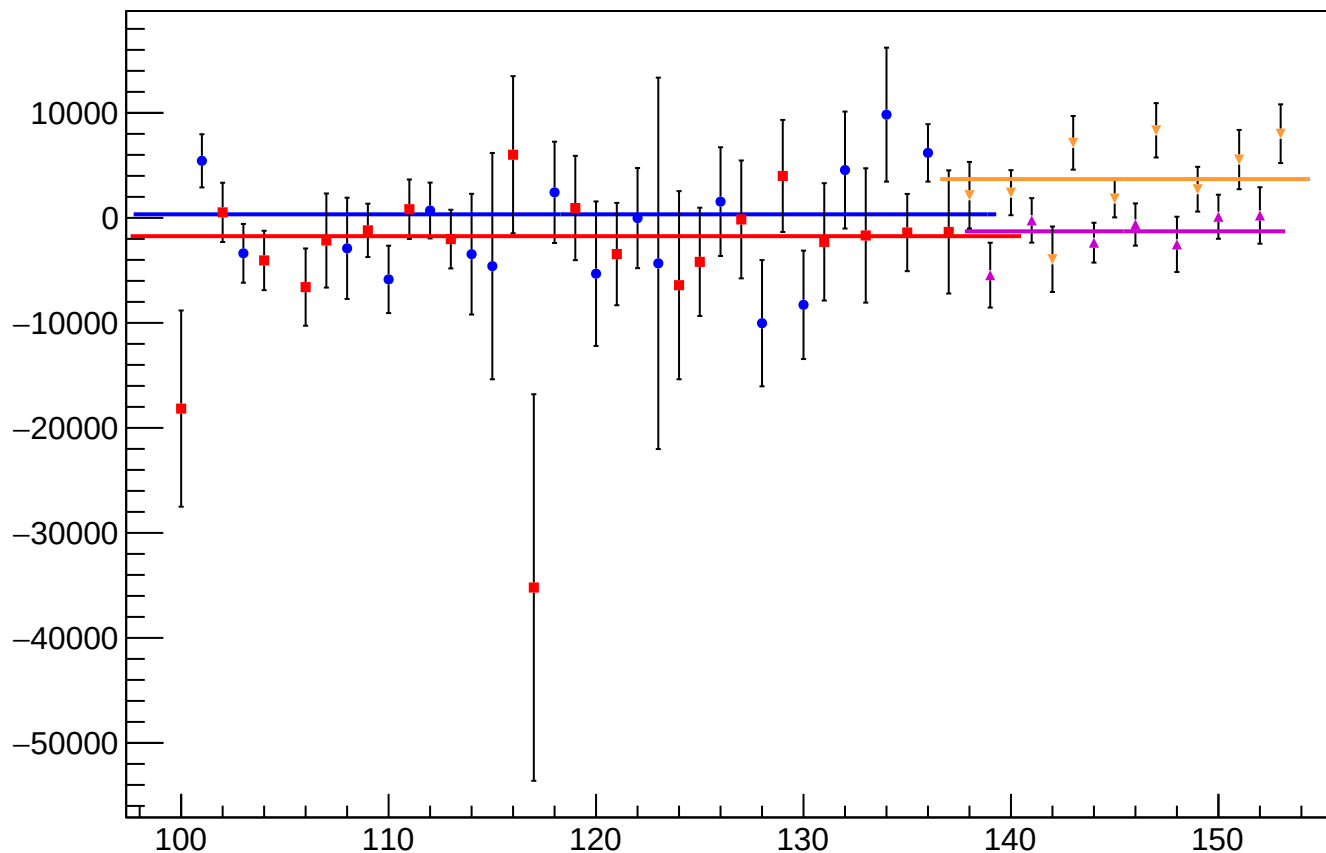
Left In: 828.152 ± 0.256 $\chi^2/\text{NDF}: 831672.5/6$

1068.036 ± 0.222 $\chi^2/\text{NDF}: 3057783.2/25$

1047.119 ± 0.156 $\chi^2/\text{NDF}: 6639243.1/52$

1026.751 ± 0.219 $\chi^2/\text{NDF}: 3563987.9/26$

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 3696.004 $\pm$ 815.033 χ^2 /NDF:15.7/8

Right Out: -1742.470 $\pm$ 923.289 χ^2 /NDF: 13.6/19

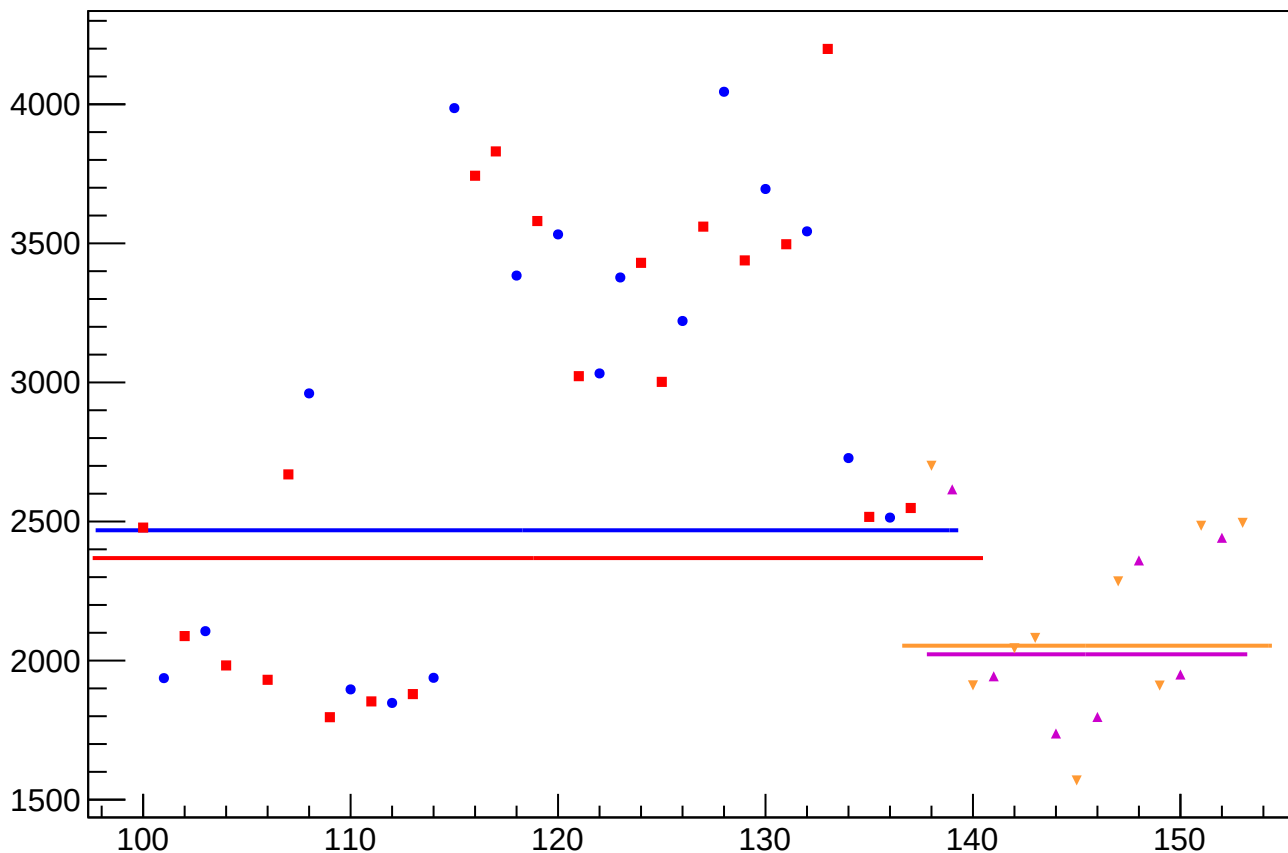
Left In: -1280.082 $\pm$ 856.661 χ^2 /NDF:3.5/6

2349.023 $\pm$ 630.722 χ^2 /NDF: 47.3/25

419.161 $\pm$ 445.017 χ^2 /NDF: 83.1/52

-1493.992 $\pm$ 627.986 χ^2 /NDF: 17.2/26

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2/NDF : 896153.6/16

Left Out: 2053.568 $\pm$ 0.576 χ^2/NDF : 359574.3/8

Right Out: 2368.521 $\pm$ 0.653 χ^2/NDF : 1037811.8/19

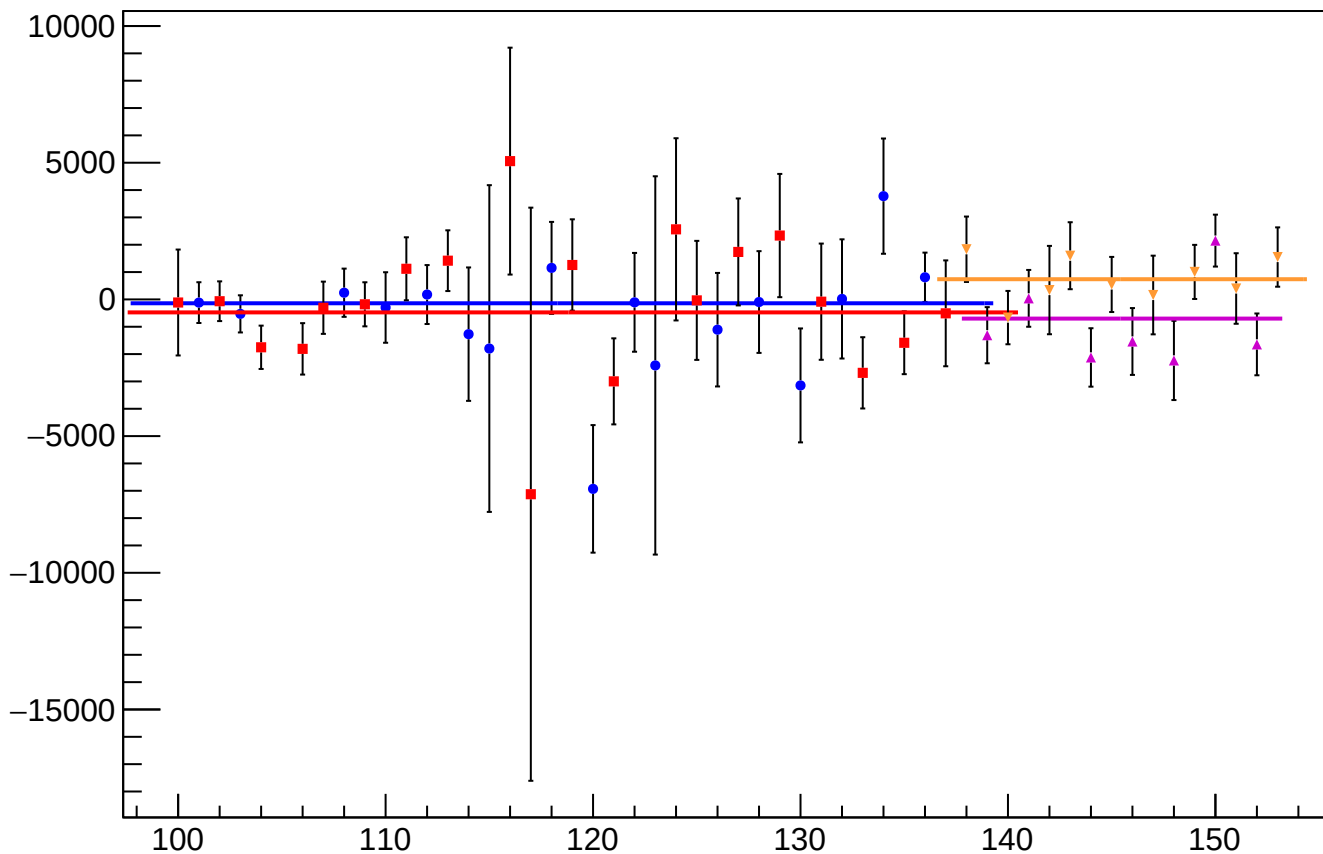
Left In: 2022.574 $\pm$ 0.606 χ^2/NDF : 230535.5/6

2220.009 $\pm$ 0.446 χ^2/NDF : 1463652.6/25

2201.231 $\pm$ 0.315 χ^2/NDF : 2886418.7/52

2182.616 $\pm$ 0.444 χ^2/NDF : 1419236.0/26

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2 /NDF: 16.9/16

Left Out: 738.824+/-385.280 χ^2 /NDF: 4.4/8

Right Out: -474.987+/-282.789 χ^2 /NDF: 23.3/19

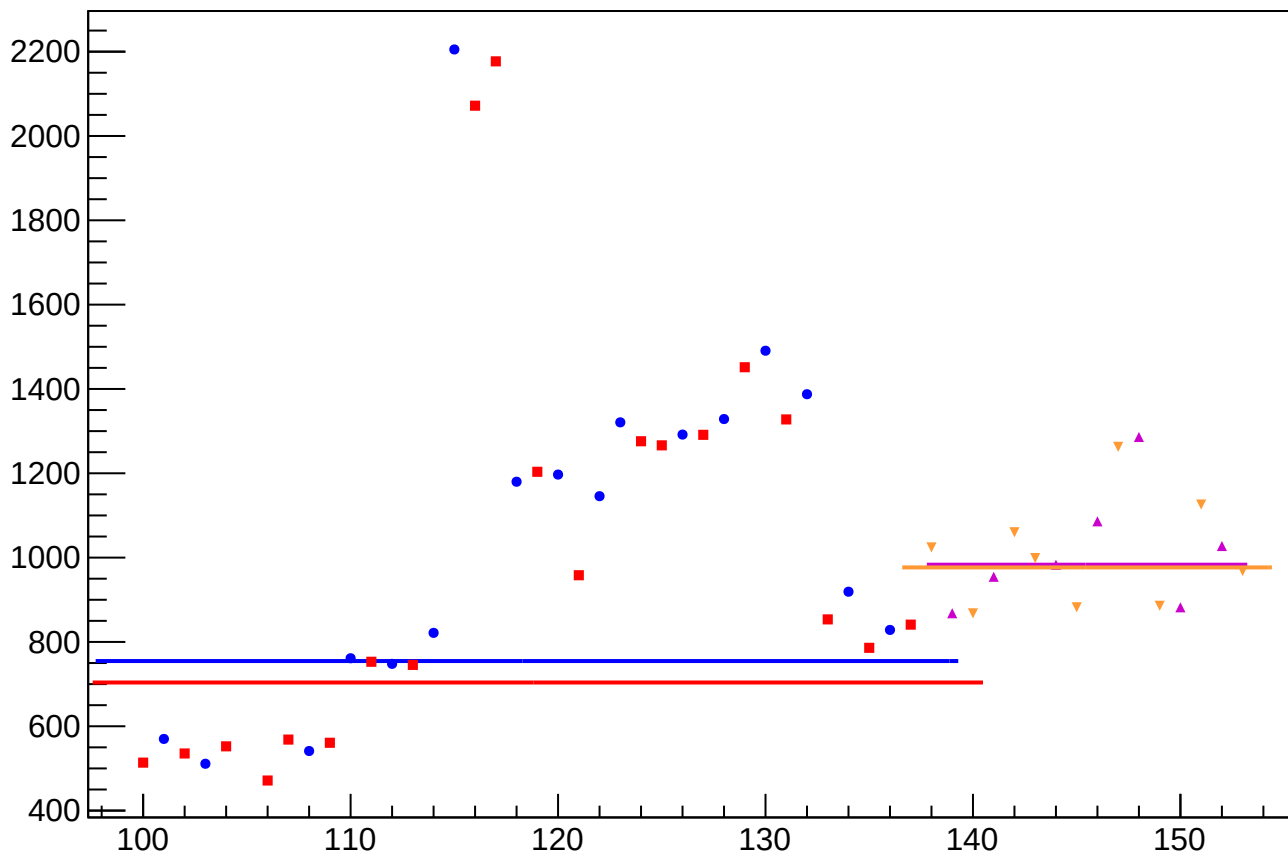
Left In: -701.713+/-415.684 χ^2 /NDF: 13.9/6

209.106+/-243.085 χ^2 /NDF: 24.4/25

-183.496+/-168.514 χ^2 /NDF: 66.9/52

-546.720+/-233.813 χ^2 /NDF: 37.5/26

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 976.738+/-0.272 χ^2/NDF : 174411.5/8

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

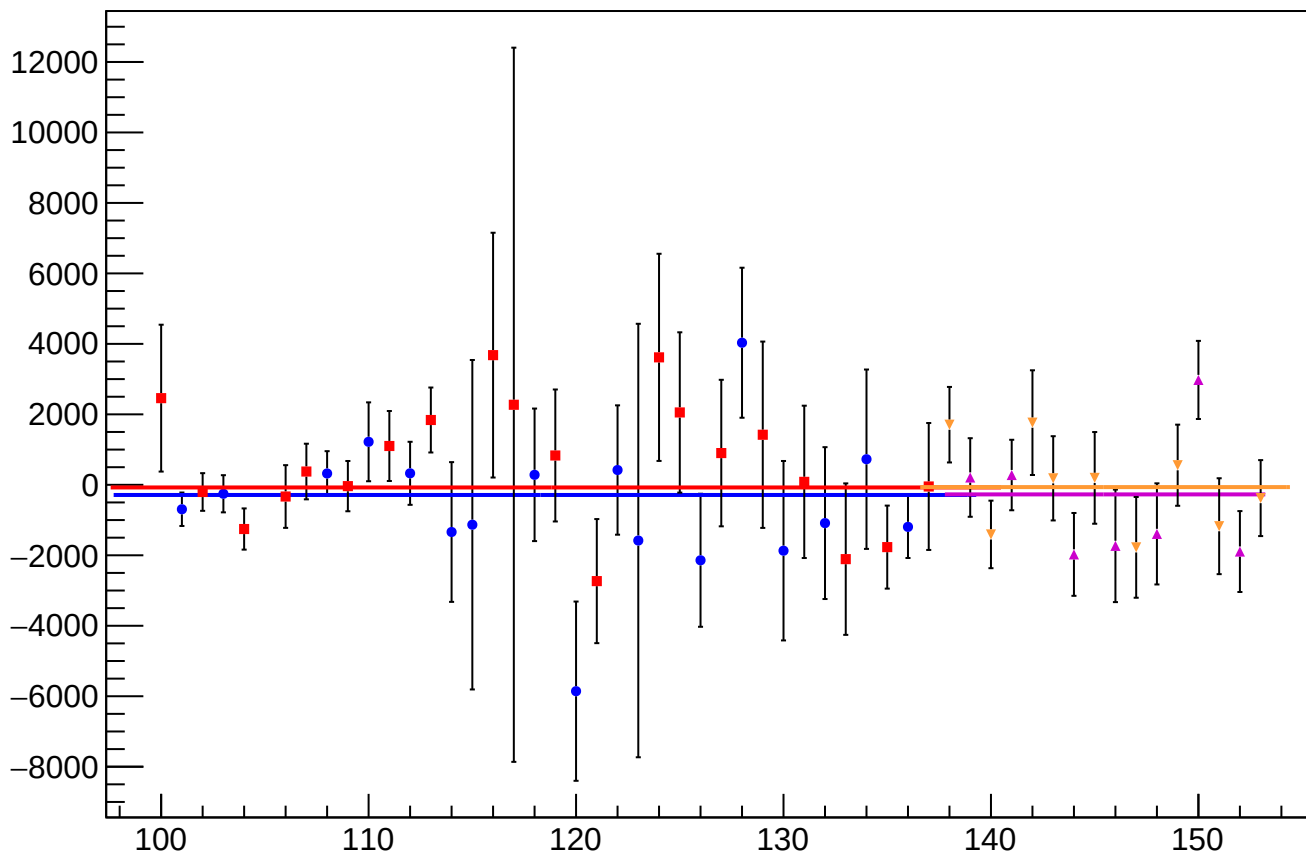
Left In: 983.186+/-0.294 χ^2/NDF : 153937.6/6

843.077+/-0.172 χ^2/NDF : 2264920.0/25

816.644+/-0.119 χ^2/NDF : 4813171.0/52

792.189+/-0.165 χ^2/NDF : 2502722.3/26

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 $\pm$ 250.436 χ^2 /NDF: 16.2/16

Left Out: -64.645 $\pm$ 396.913 χ^2 /NDF: 8.8/8

Right Out: -74.735 $\pm$ 246.011 χ^2 /NDF: 21.4/19

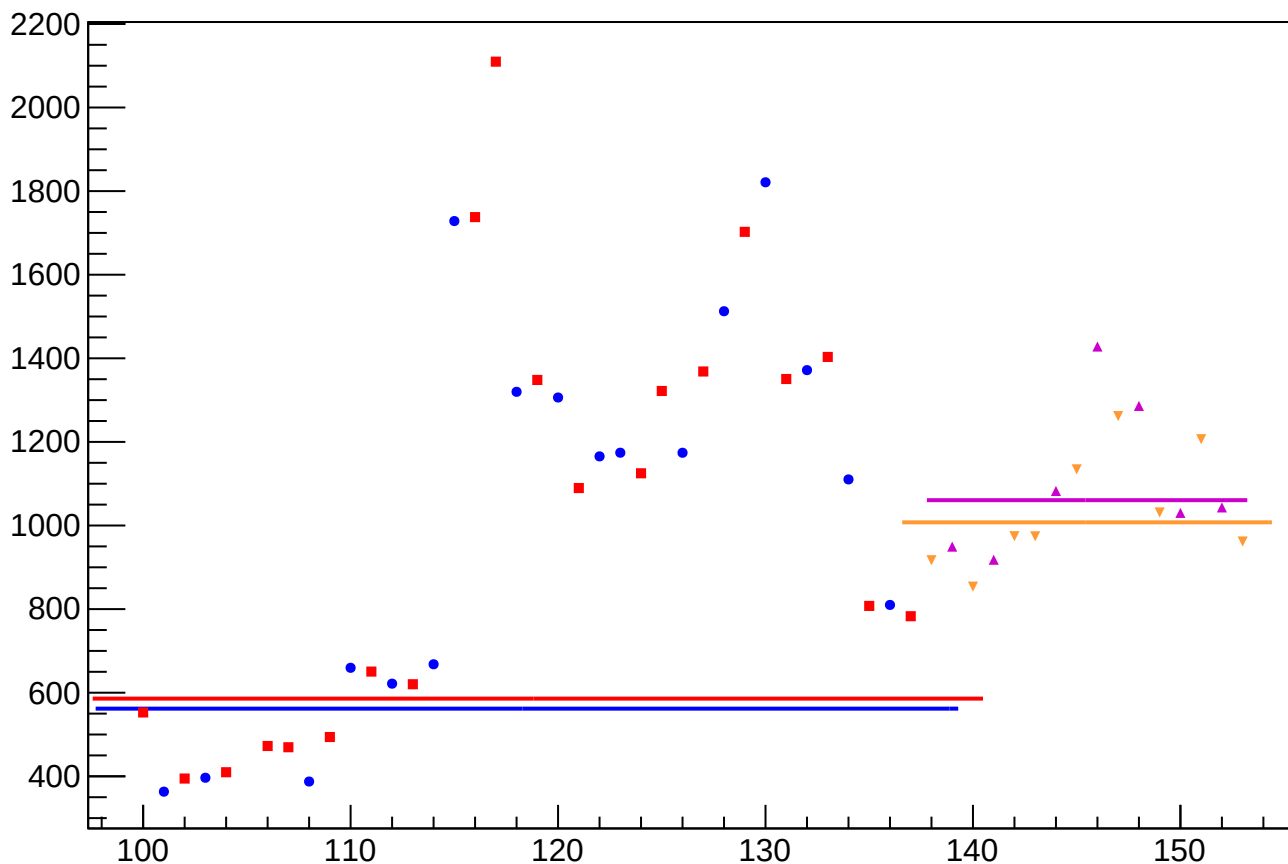
Left In: -271.759 $\pm$ 448.202 χ^2 /NDF: 14.6/6

-224.427 $\pm$ 211.800 χ^2 /NDF: 25.2/25

-173.328 $\pm$ 151.111 χ^2 /NDF: 61.5/52

-120.350 $\pm$ 215.660 χ^2 /NDF: 36.2/26

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 1007.595+/-0.281 χ^2/NDF : 197776.5/8

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

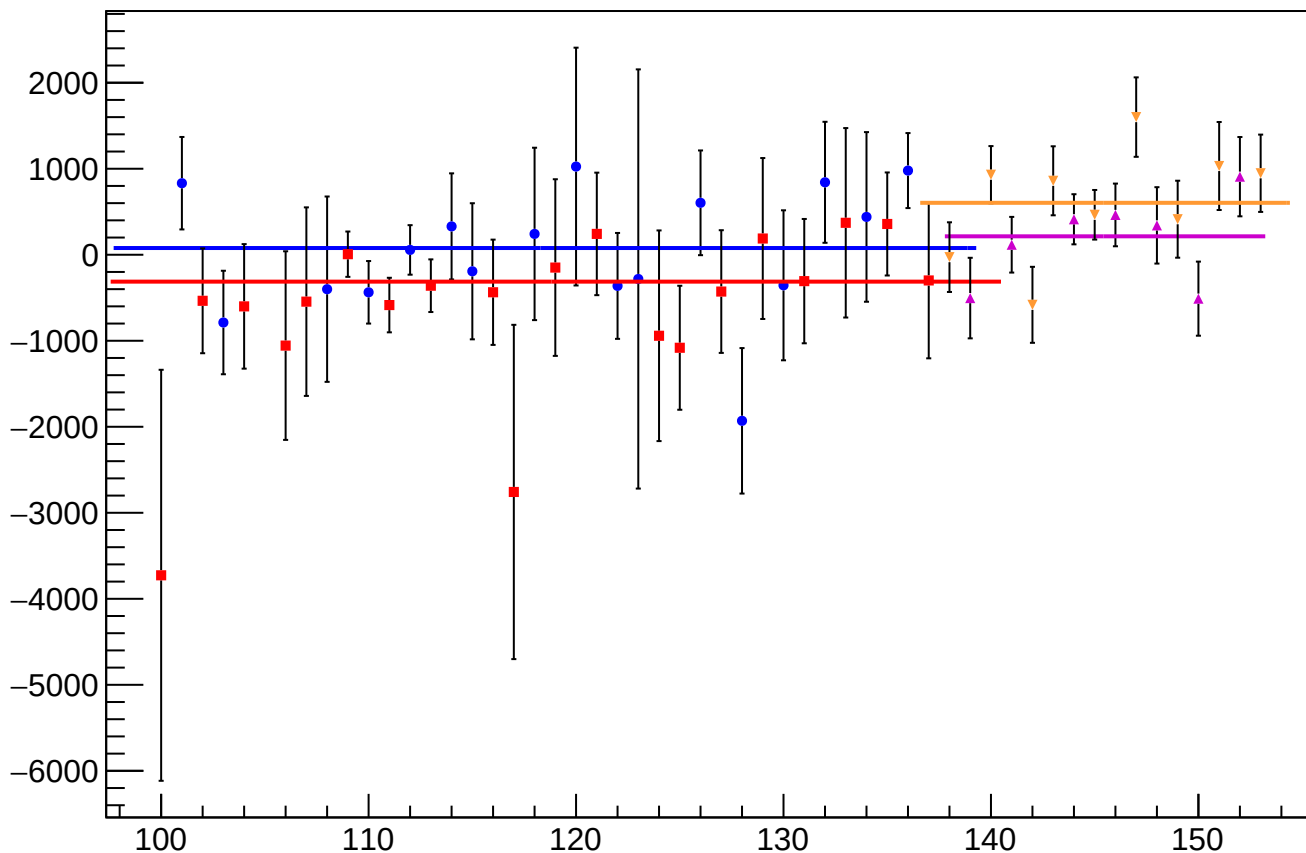
Left In: 1060.590+/-0.317 χ^2/NDF : 218393.9/6

688.806+/-0.150 χ^2/NDF : 5218222.1/25

692.237+/-0.107 χ^2/NDF : 10031429.7/52

695.794+/-0.152 χ^2/NDF : 4812138.7/26

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 ± 142.869 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 603.791 ± 132.514 $\chi^2/\text{NDF}: 17.4/8$

Right Out: -312.536 ± 129.362 $\chi^2/\text{NDF}: 10.7/19$

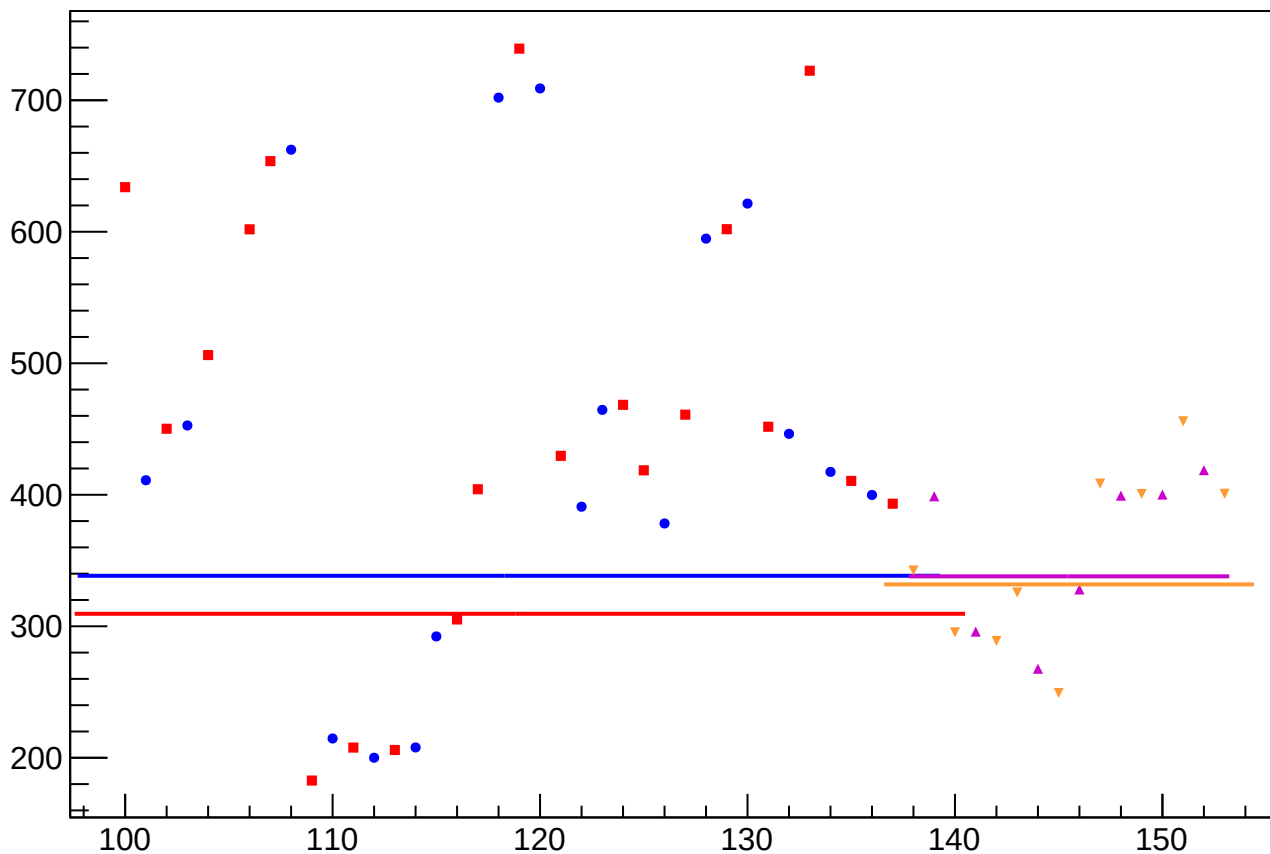
Left In: 214.304 ± 143.475 $\chi^2/\text{NDF}: 8.5/6$

360.725 ± 97.156 $\chi^2/\text{NDF}: 44.4/25$

139.772 ± 68.315 $\chi^2/\text{NDF}: 81.3/52$

-76.296 ± 96.076 $\chi^2/\text{NDF}: 26.7/26$

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 ± 0.101 $\chi^2/\text{NDF}: 2009287.1/16$

Left Out: 331.852 ± 0.094 $\chi^2/\text{NDF}: 475808.6/8$

Right Out: 309.503 ± 0.091 $\chi^2/\text{NDF}: 2738236.3/19$

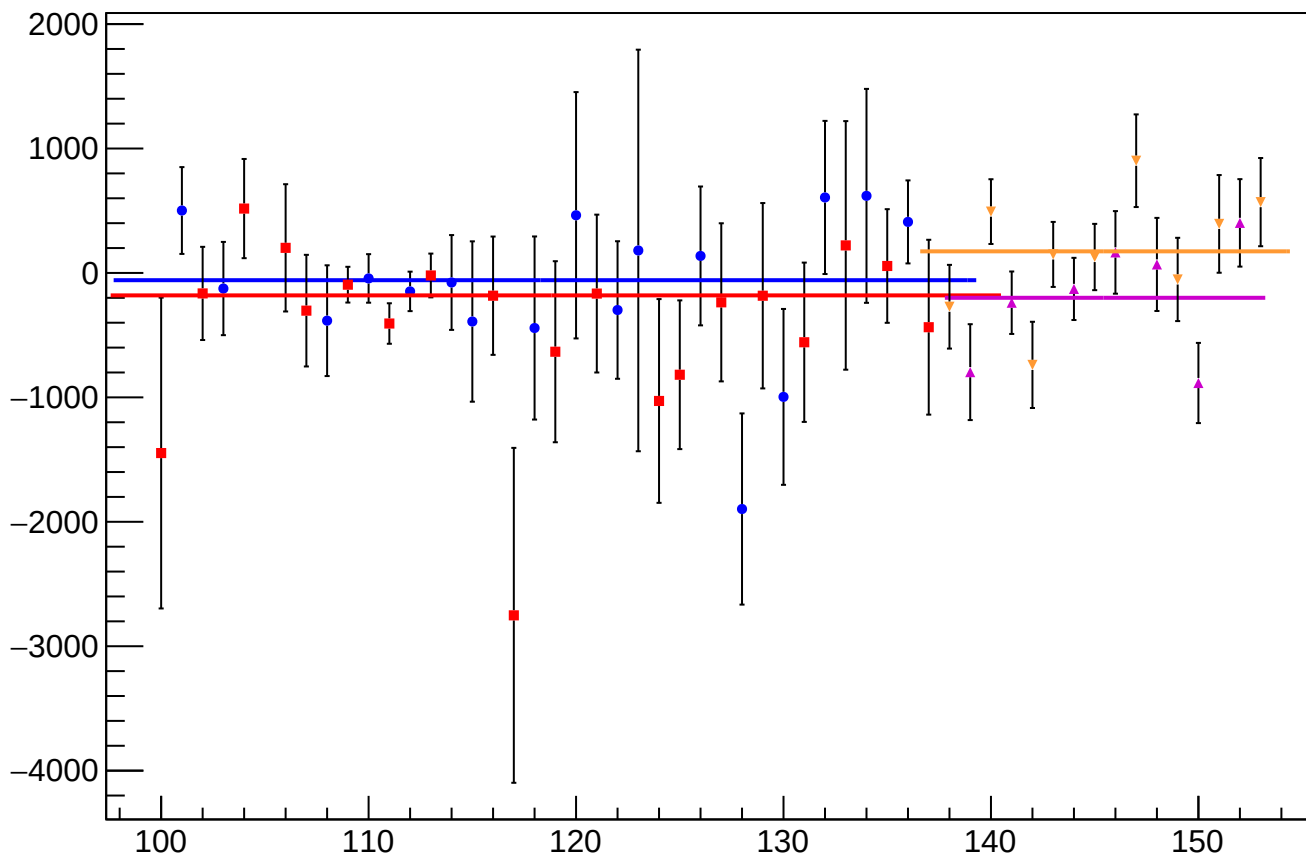
Left In: 337.982 ± 0.101 $\chi^2/\text{NDF}: 326523.5/6$

334.884 ± 0.069 $\chi^2/\text{NDF}: 2487359.1/25$

328.508 ± 0.048 $\chi^2/\text{NDF}: 5612621.9/52$

322.273 ± 0.068 $\chi^2/\text{NDF}: 3108226.8/26$

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 173.567 ± 104.671 χ^2/NDF : 16.1/8

Right Out: -180.354 ± 76.795 χ^2/NDF : 15.0/19

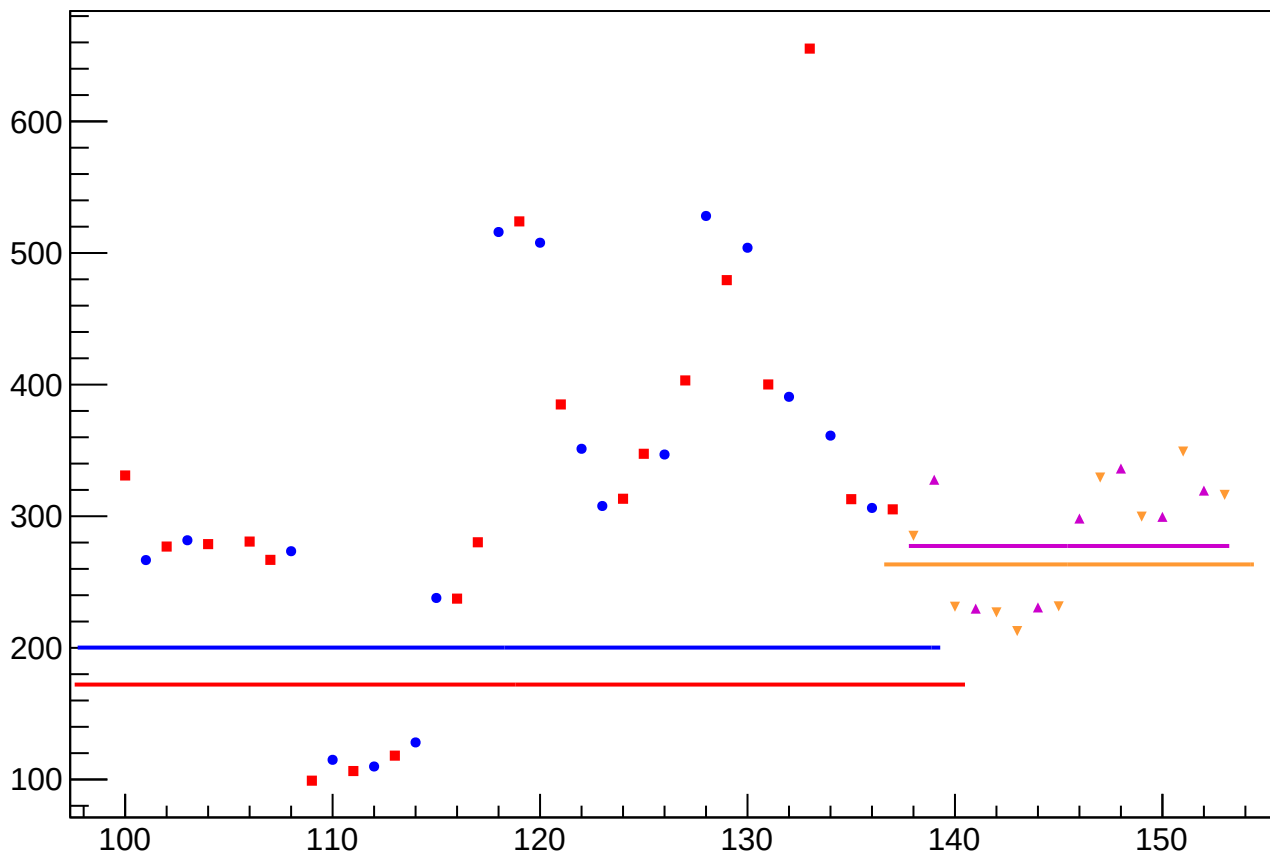
Left In: -199.755 ± 117.377 χ^2/NDF : 11.7/6

40.867 ± 68.453 χ^2/NDF : 34.8/25

-79.812 ± 46.852 χ^2/NDF : 67.3/52

-186.170 ± 64.263 χ^2/NDF : 26.7/26

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2/NDF : 3387197.7/16

Left Out: 263.391 $\pm$ 0.074 χ^2/NDF : 391032.1/8

Right Out: 172.110 $\pm$ 0.054 χ^2/NDF : 4106869.2/19

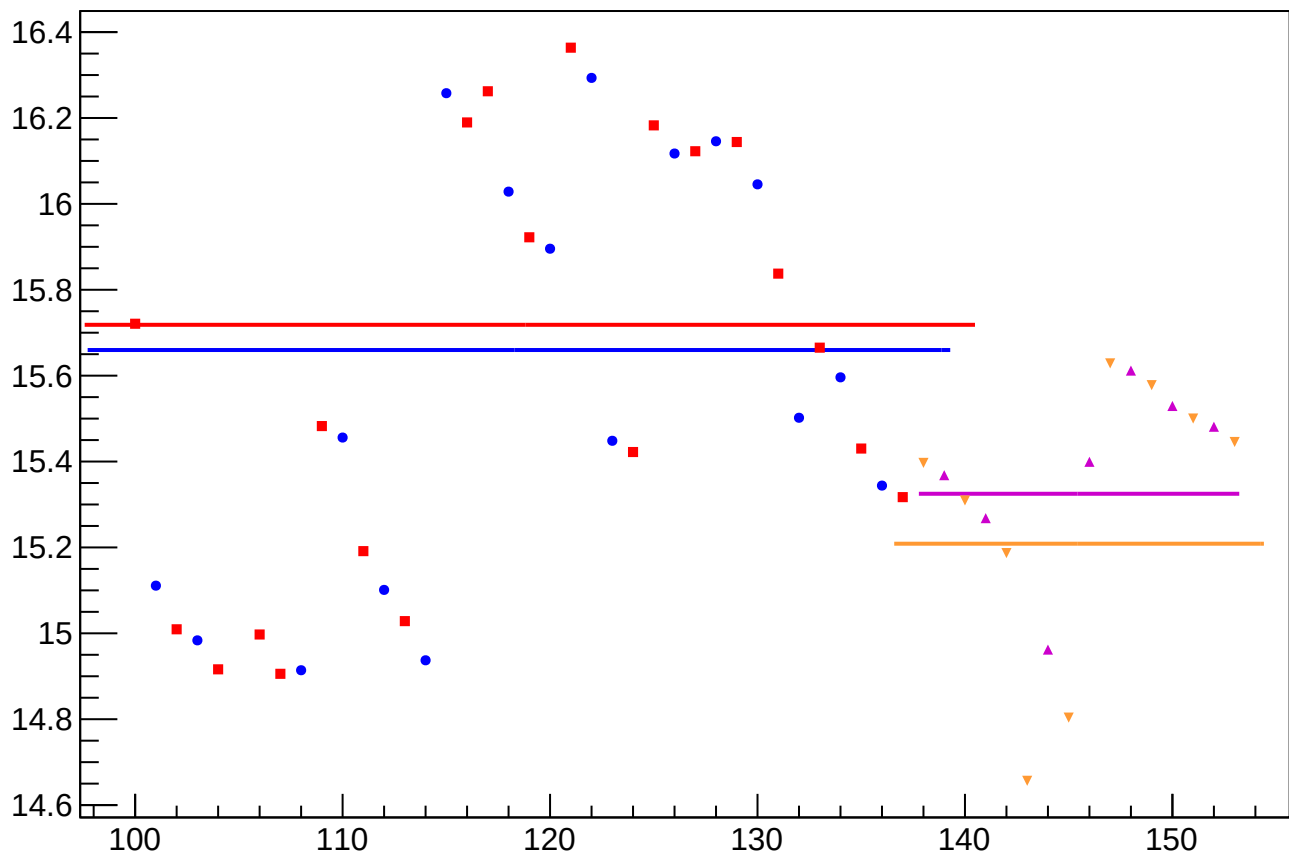
Left In: 277.399 $\pm$ 0.083 χ^2/NDF : 271392.5/6

227.231 $\pm$ 0.048 χ^2/NDF : 4195293.1/25

214.707 $\pm$ 0.033 χ^2/NDF : 9826389.6/52

203.670 $\pm$ 0.045 χ^2/NDF : 5505152.4/26

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.209 $\pm$ 0.000 χ^2/NDF : 5990559061.7/8

Right Out: 15.718 $\pm$ 0.000 χ^2/NDF : 5490626945.9/19

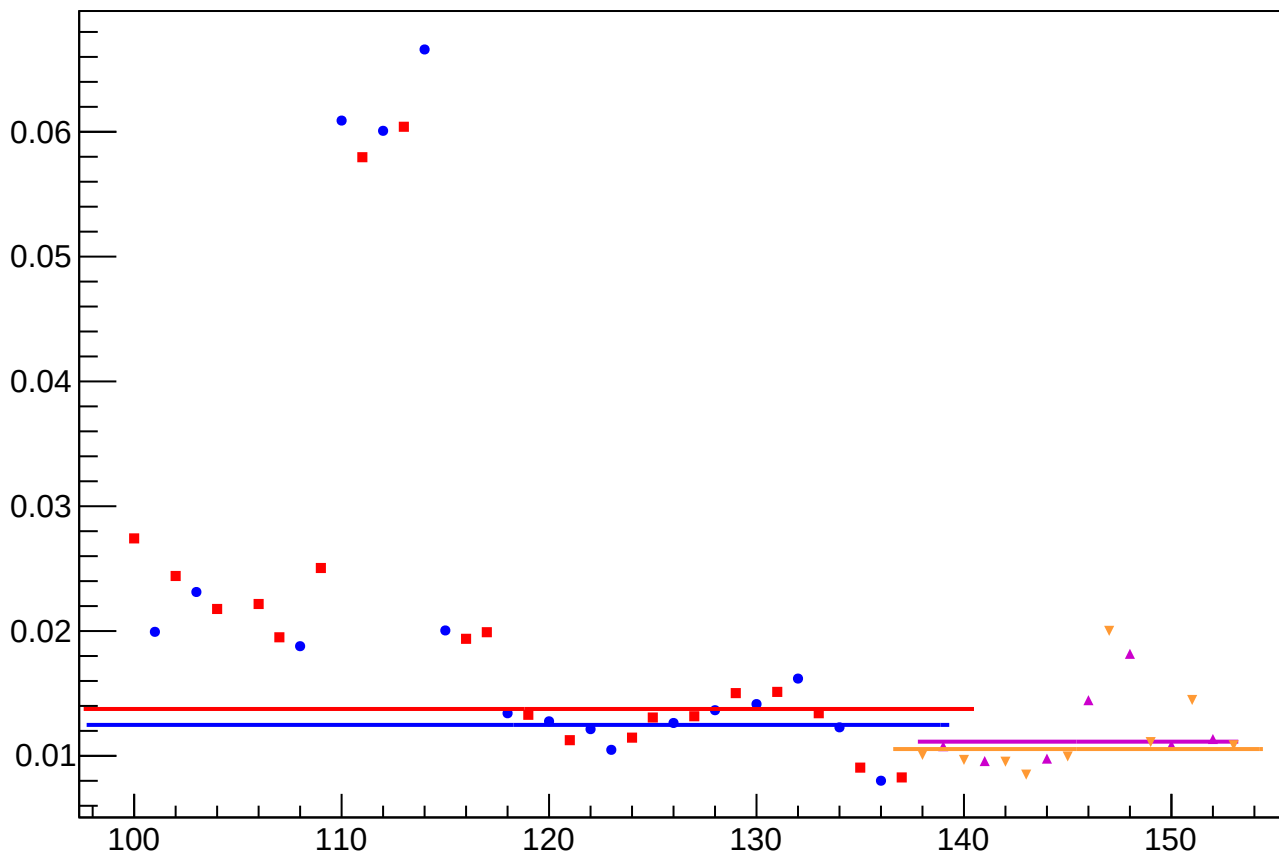
Left In: 15.325 $\pm$ 0.000 χ^2/NDF : 1816946430.2/6

15.382 $\pm$ 0.000 χ^2/NDF : 15924450793.9/25

15.428 $\pm$ 0.000 χ^2/NDF : 26308780141.4/26

15.485 $\pm$ 0.000 χ^2/NDF : 9968095324.8/26

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:549059.3/8

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

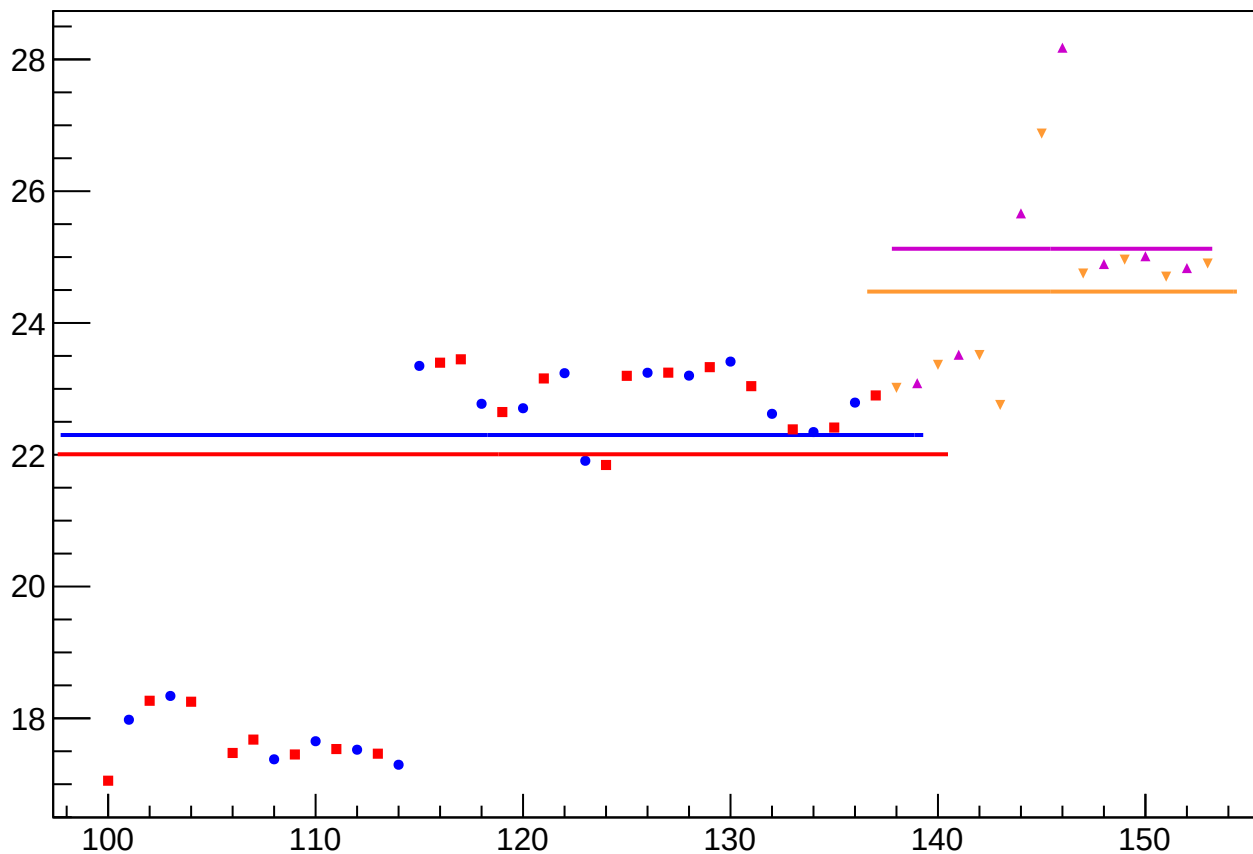
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:382276.3/6

0.011 $\pm$ 0.000 χ^2 /NDF: 2854706.2/25

0.012 $\pm$ 0.000 χ^2 /NDF: 5623043.4/52

0.012 $\pm$ 0.000 χ^2 /NDF: 2703049.7/26

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300 $\pm$ 0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.476 $\pm$ 0.000 χ^2/NDF : 820362386.0/8

Right Out: 22.007 $\pm$ 0.000 χ^2/NDF : 1068683102.9/19

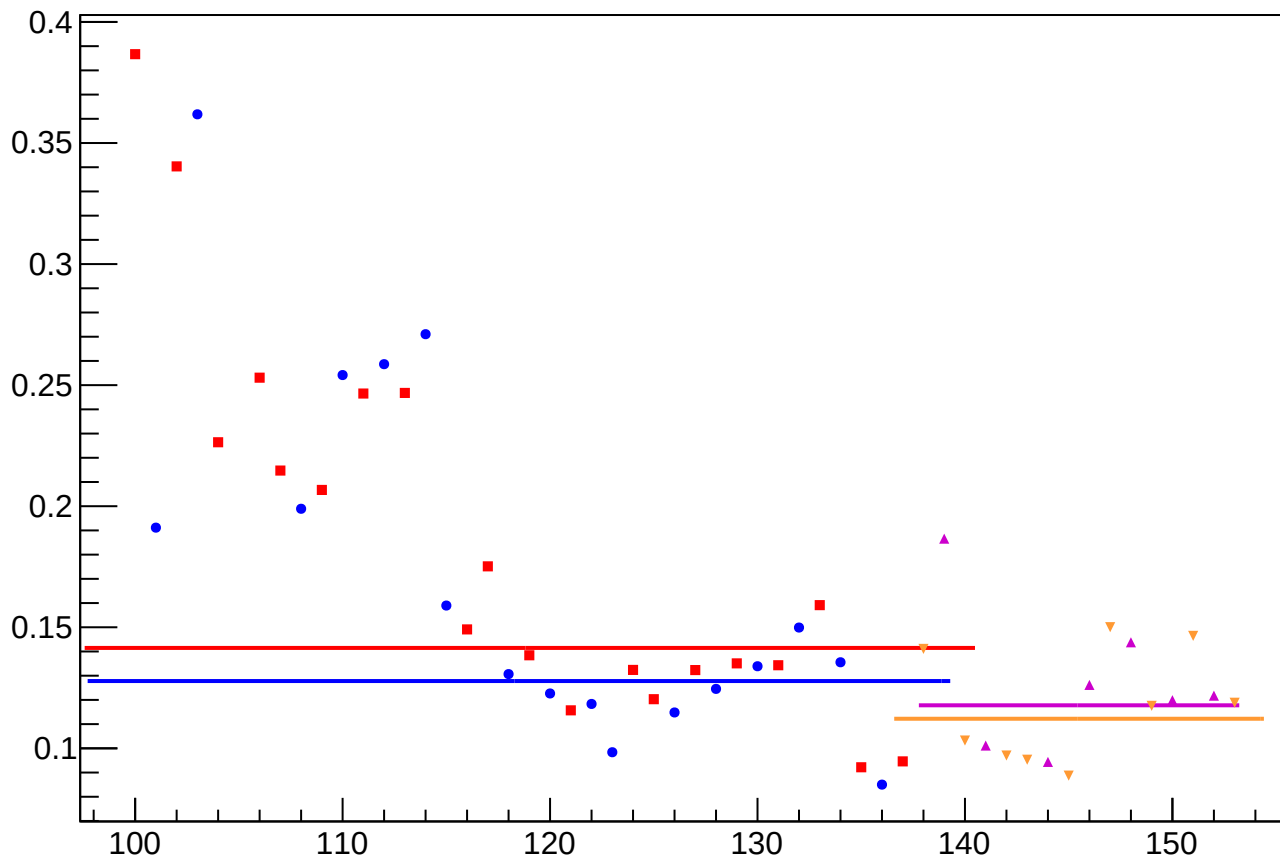
Left In: 25.126 $\pm$ 0.000 χ^2/NDF : 693897430.6/6

23.565 $\pm$ 0.000 χ^2/NDF : 2611933337.3/25

23.646 $\pm$ 0.000 χ^2/NDF : 5883570760.3/5

23.742 $\pm$ 0.000 χ^2/NDF : 3261105553.8/26

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.112 $\pm$ 0.000 χ^2 /NDF: 376750.6/8

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1452162.4/19

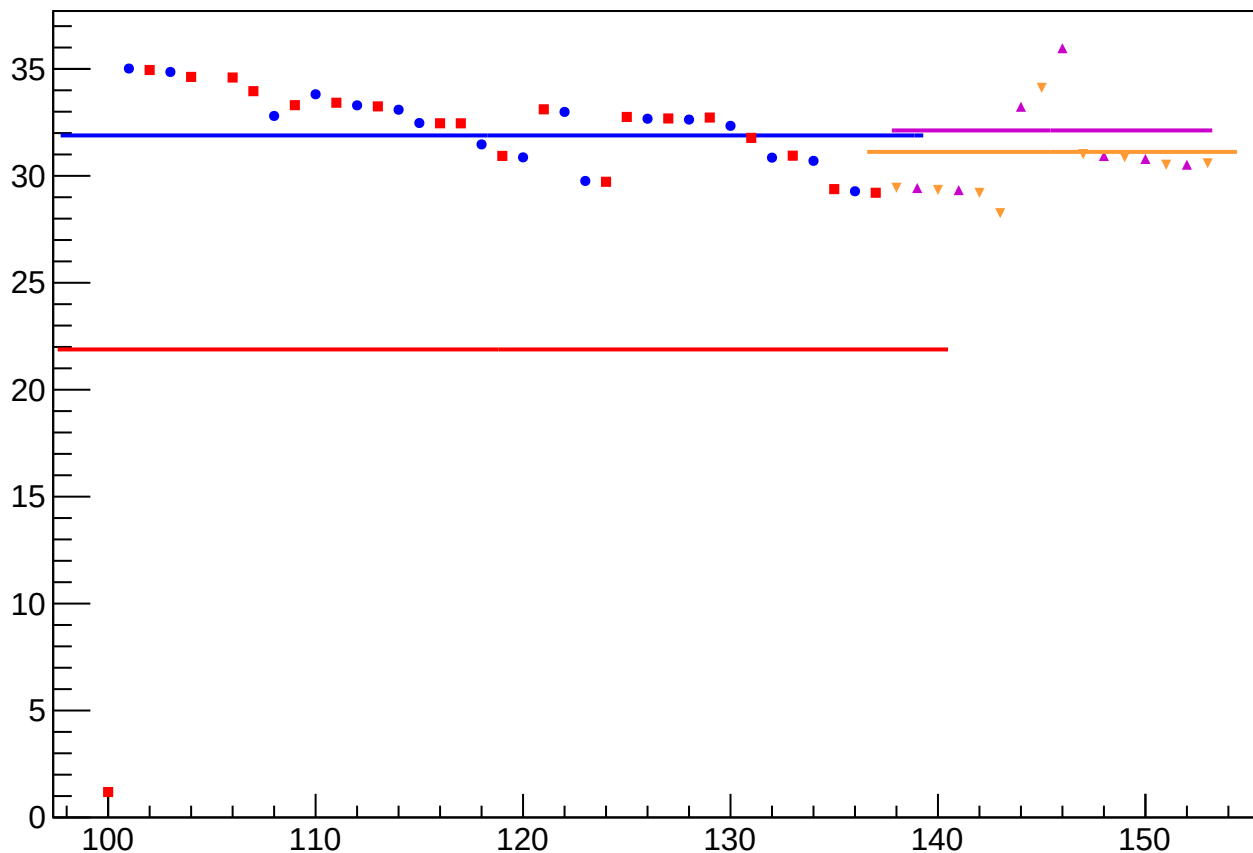
Left In: 0.118 $\pm$ 0.000 χ^2 /NDF: 376796.5/6

0.119 $\pm$ 0.000 χ^2 /NDF: 1956204.9/25

0.123 $\pm$ 0.000 χ^2 /NDF: 4019976.6/52

0.128 $\pm$ 0.000 χ^2 /NDF: 2001965.7/26

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889 $\pm$ 0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.121 $\pm$ 0.000 χ^2/NDF : 4224791420.2/8

Right Out: 21.883 $\pm$ 0.000 χ^2/NDF : 230247118310.5/19

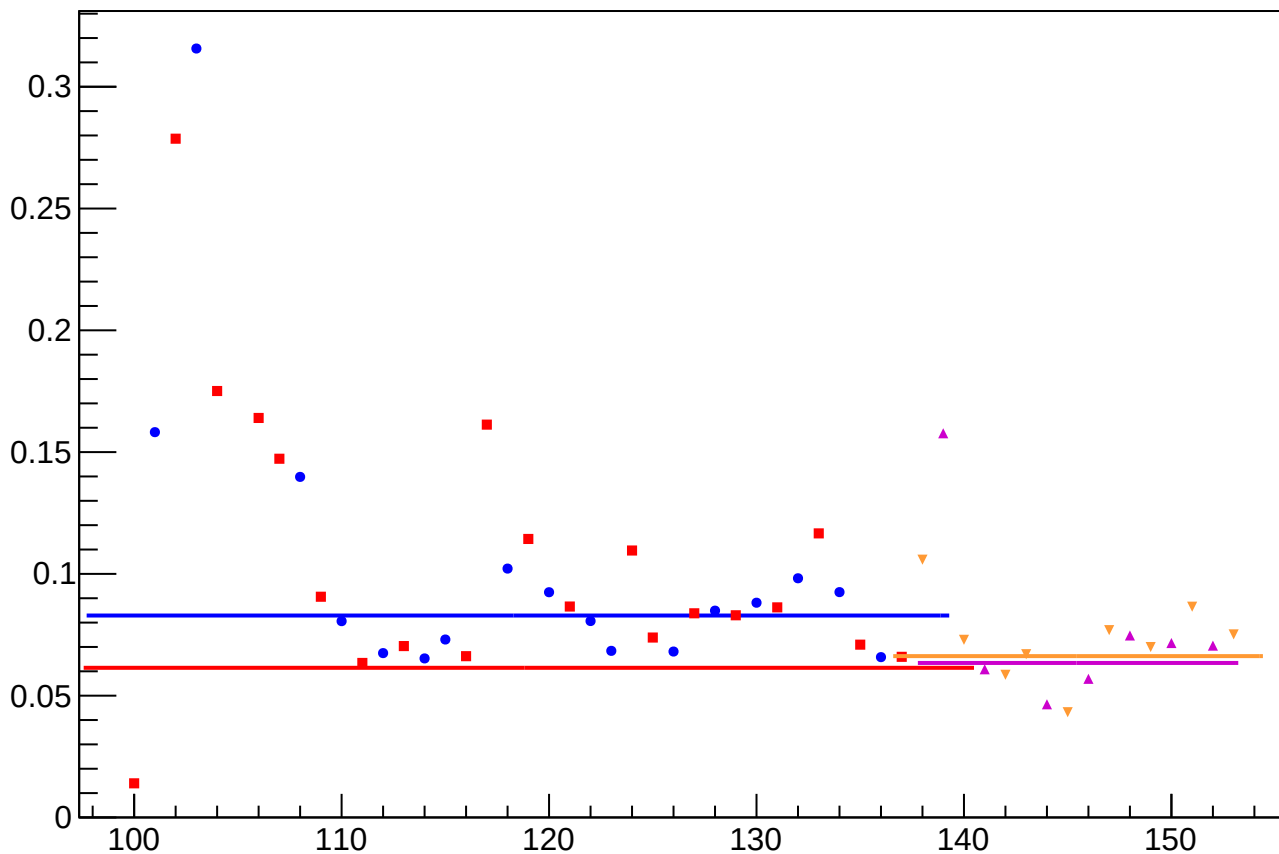
Left In: 32.123 $\pm$ 0.000 χ^2/NDF : 5212040147.8/6

31.429 $\pm$ 0.000 χ^2/NDF : 6407496307.7/25

28.975 $\pm$ 0.000 χ^2/NDF : 316241846444.4

26.872 $\pm$ 0.000 χ^2/NDF : 289917262687.4/26

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 ± 0.000 $\chi^2/\text{NDF}: 1164452.3/16$

Left Out: 0.066 ± 0.000 $\chi^2/\text{NDF}: 602415.7/8$

Right Out: 0.061 ± 0.000 $\chi^2/\text{NDF}: 3635656.2/19$

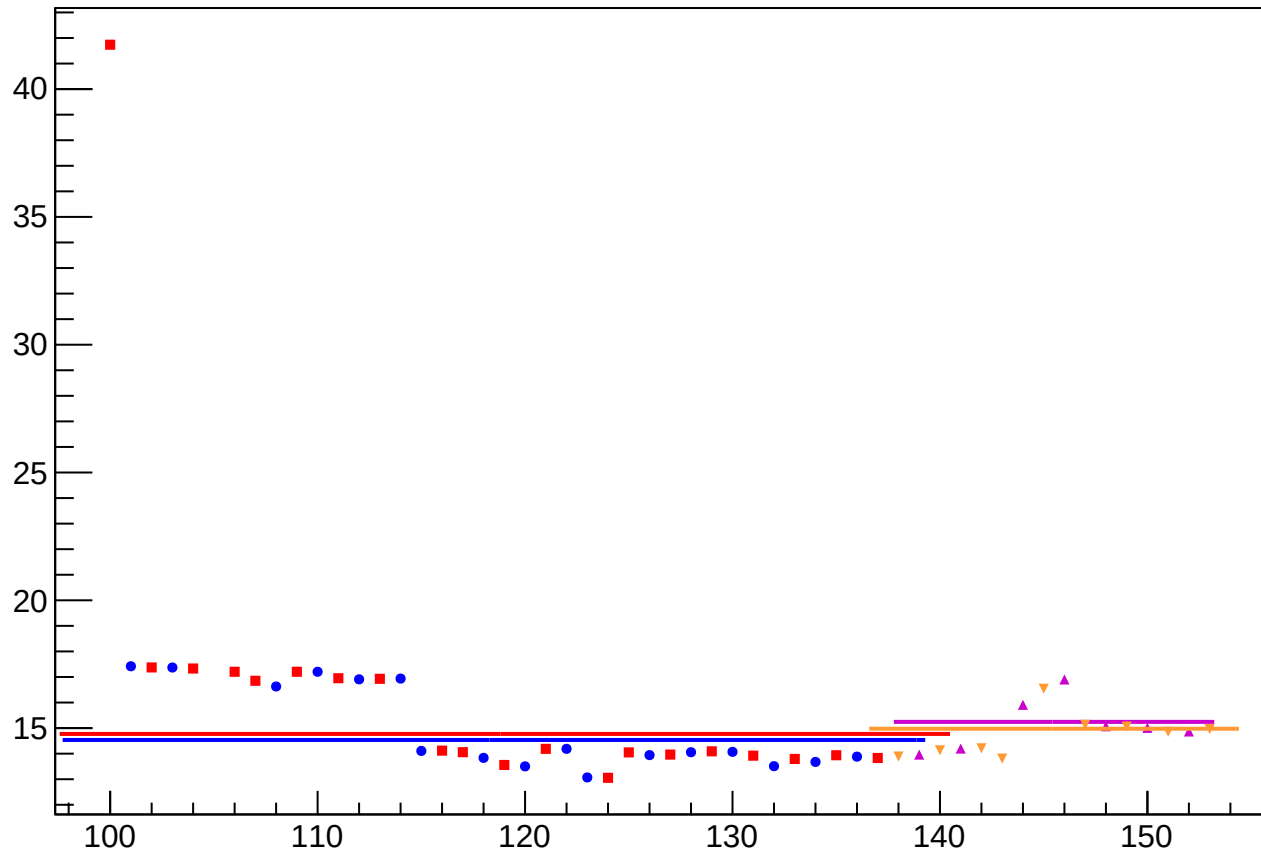
Left In: 0.063 ± 0.000 $\chi^2/\text{NDF}: 743219.4/6$

0.073 ± 0.000 $\chi^2/\text{NDF}: 2004491.1/25$

0.067 ± 0.000 $\chi^2/\text{NDF}: 6598796.8/52$

0.062 ± 0.000 $\chi^2/\text{NDF}: 4382991.1/26$

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 : 944712998.4/8

Right Out: 14.772 $\pm$ 0.000 χ^2/NDF : 1887789052.4/19

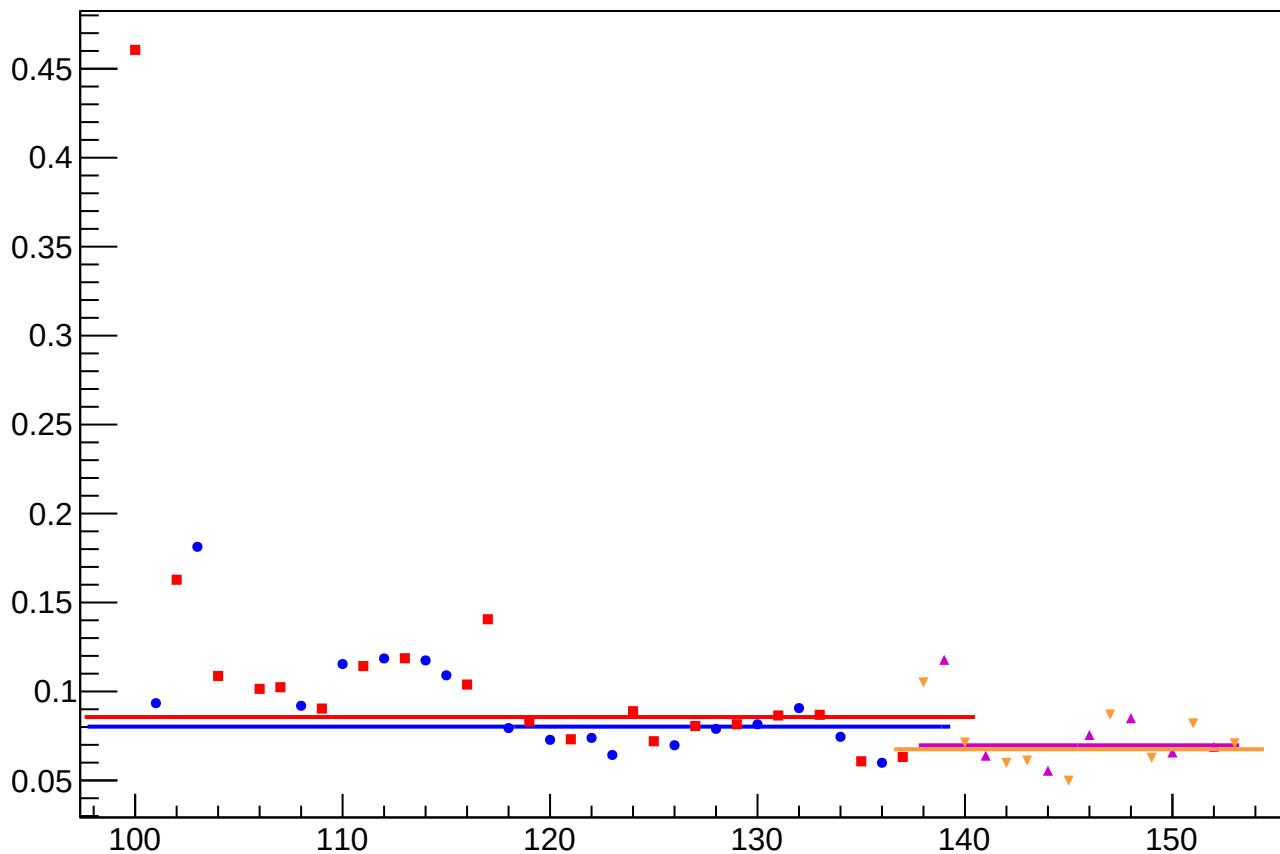
Left In: 15.244 $\pm$ 0.000 χ^2/NDF : 704572483.7/6

14.786 $\pm$ 0.000 χ^2/NDF : 2509747715.8/25

14.900 $\pm$ 0.000 χ^2/NDF : 5254222976.0/5

15.028 $\pm$ 0.000 χ^2/NDF : 2689726571.5/26

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080 ± 0.000 $\chi^2/\text{NDF}: 778734.5/16$

Left Out: 0.068 ± 0.000 $\chi^2/\text{NDF}: 459533.7/8$

Right Out: 0.086 ± 0.000 $\chi^2/\text{NDF}: 750289.2/19$

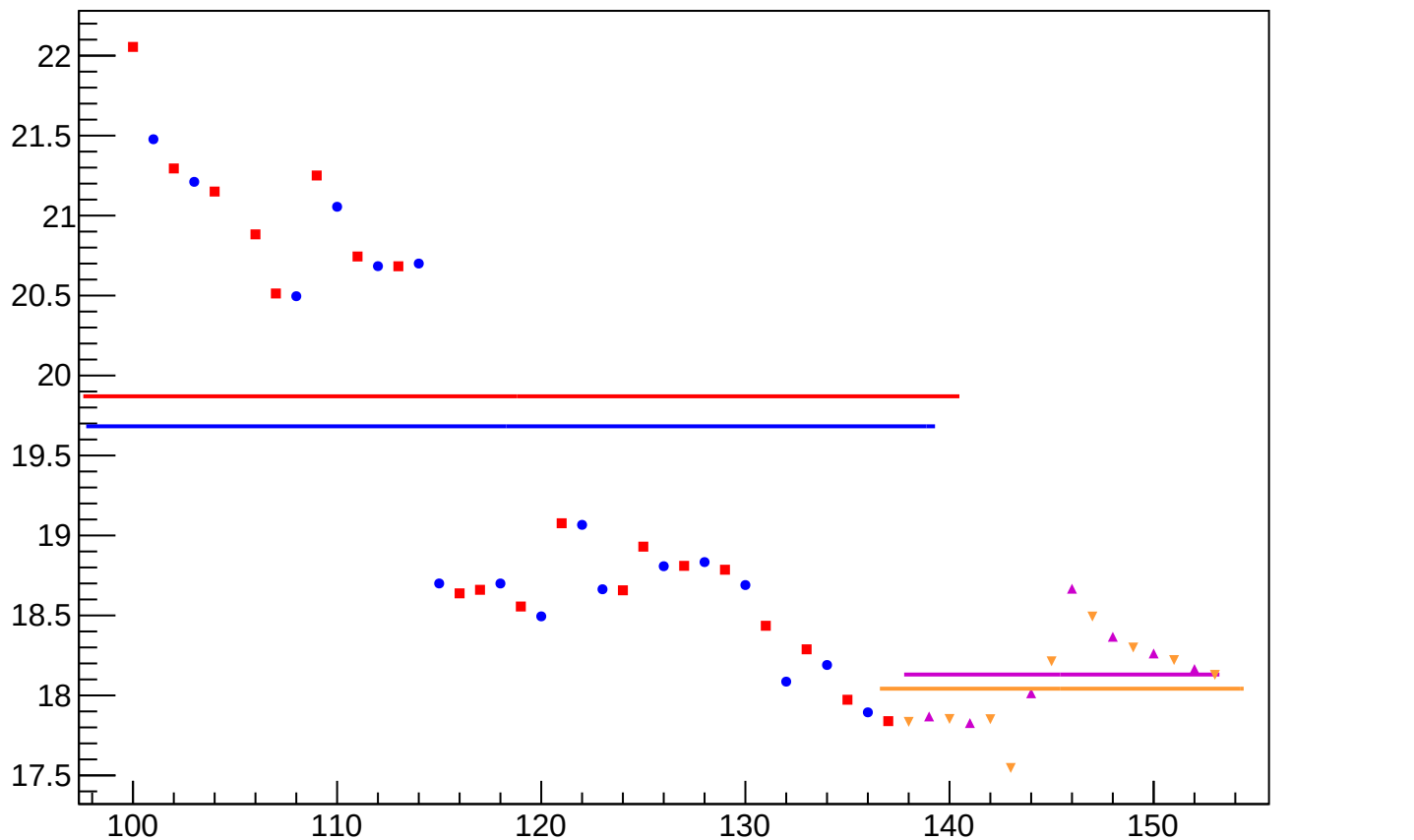
Left In: 0.070 ± 0.000 $\chi^2/\text{NDF}: 390689.4/6$

0.073 ± 0.000 $\chi^2/\text{NDF}: 1395800.6/25$

0.075 ± 0.000 $\chi^2/\text{NDF}: 2787638.5/52$

0.077 ± 0.000 $\chi^2/\text{NDF}: 1361785.5/26$

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683 $\pm$ 0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.042 $\pm$ 0.000 χ^2/NDF : 397128582.6/8

Right Out: 19.870 $\pm$ 0.000 χ^2/NDF : 11333011670.6/19

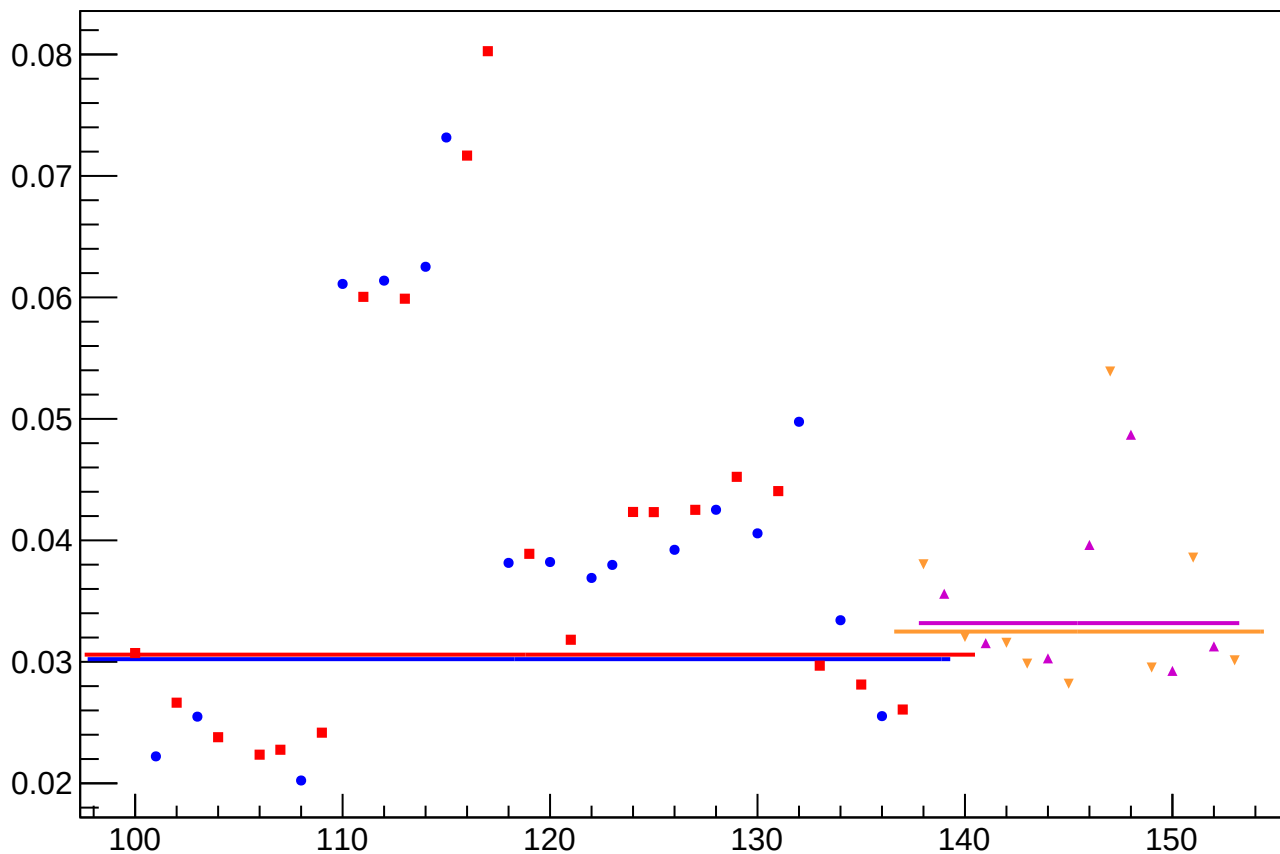
Left In: 18.131 $\pm$ 0.000 χ^2/NDF : 298091418.6/6

18.889 $\pm$ 0.000 χ^2/NDF : 20637262385.0/25

18.998 $\pm$ 0.000 χ^2/NDF : 40882457591.6/

19.114 $\pm$ 0.000 χ^2/NDF : 19951920410.9/26

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032+/-0.000 χ^2/NDF : 372454.5/8

Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

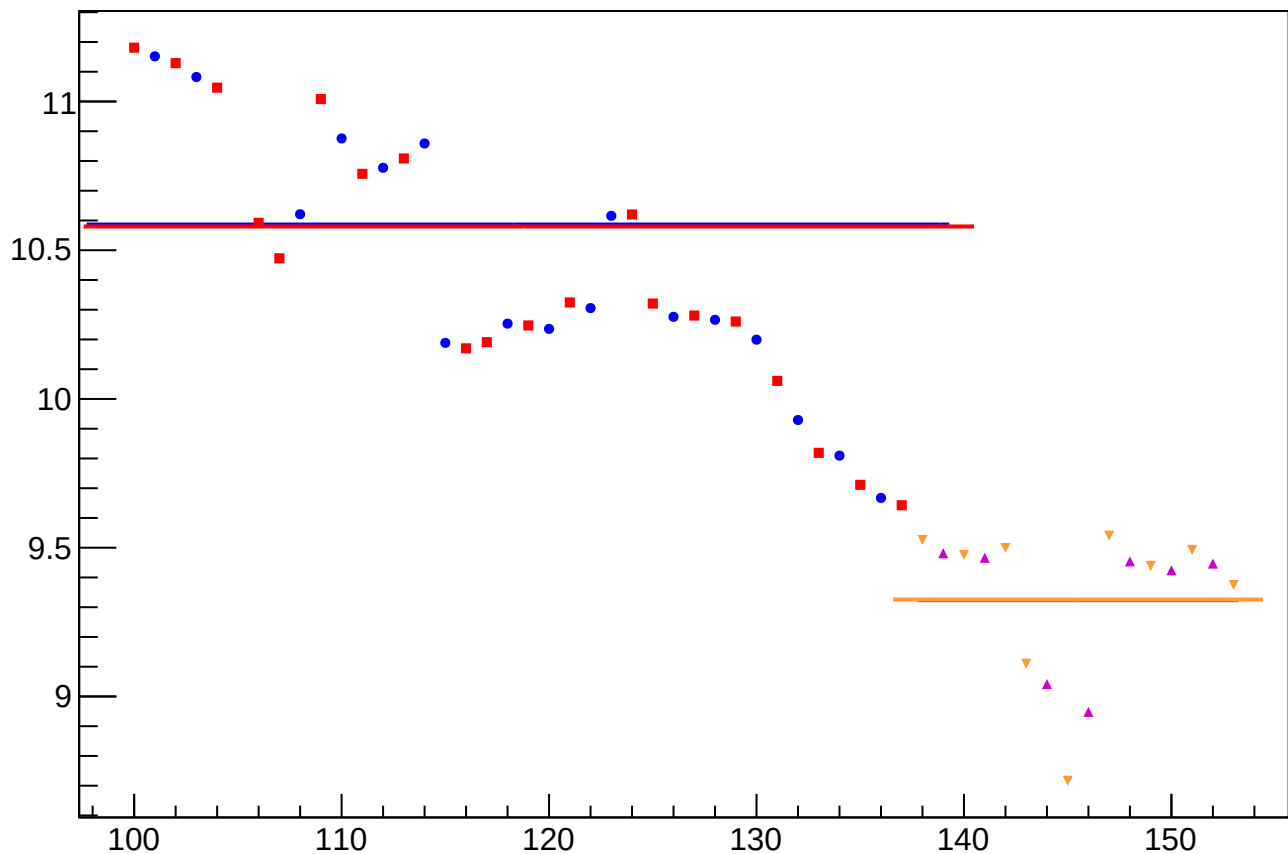
Left In: 0.033+/-0.000 χ^2/NDF : 256591.9/6

0.031+/-0.000 χ^2/NDF : 1727530.6/25

0.032+/-0.000 χ^2/NDF : 3242235.6/52

0.032+/-0.000 χ^2/NDF : 1512864.0/26

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.326+/-0.000 χ^2/NDF : 1034465895.7/8

Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

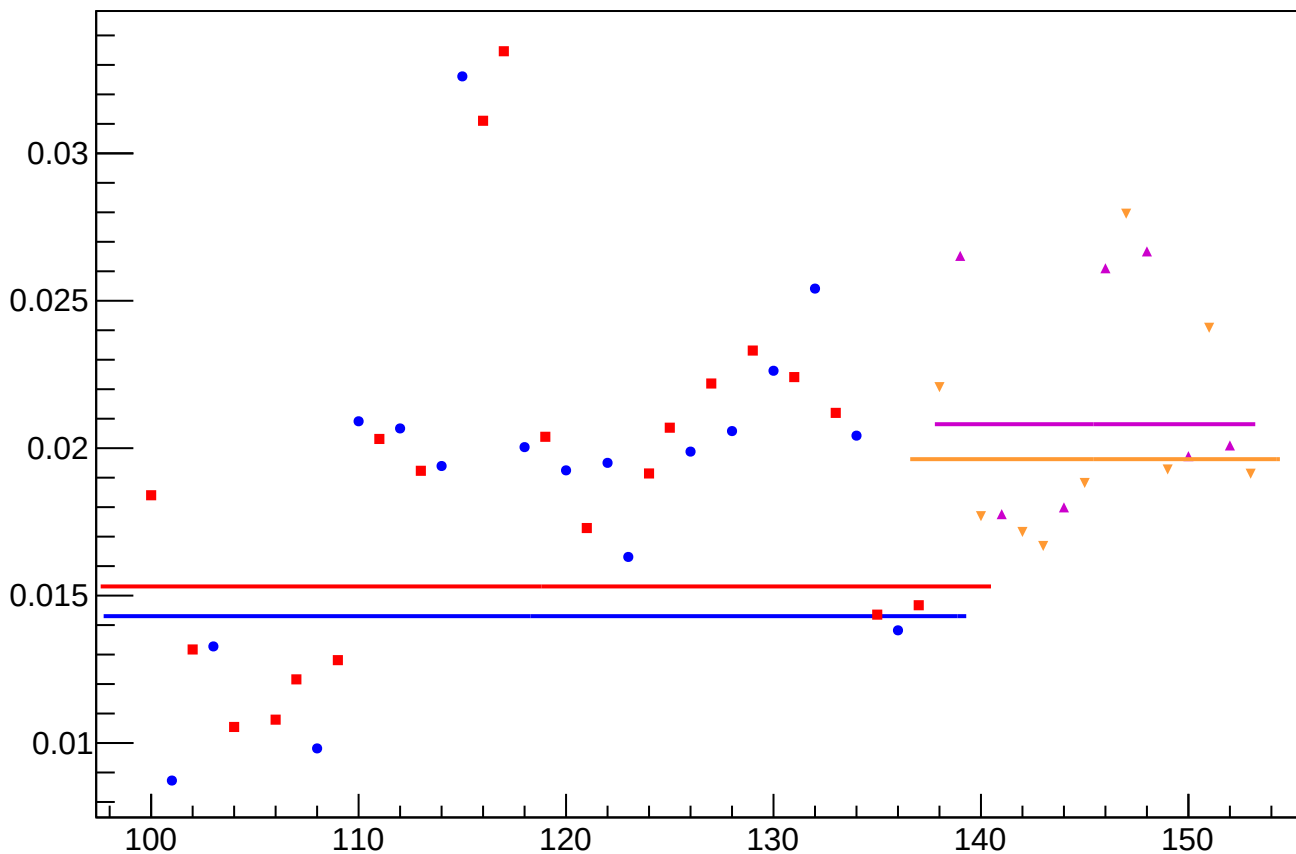
Left In: 9.324+/-0.000 χ^2/NDF : 482398040.2/6

10.122+/-0.000 χ^2/NDF : 23699536090.7/25

10.149+/-0.000 χ^2/NDF : 42764709521.8/25

10.179+/-0.000 χ^2/NDF : 19002192013.5/26

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 273862.1/8

Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

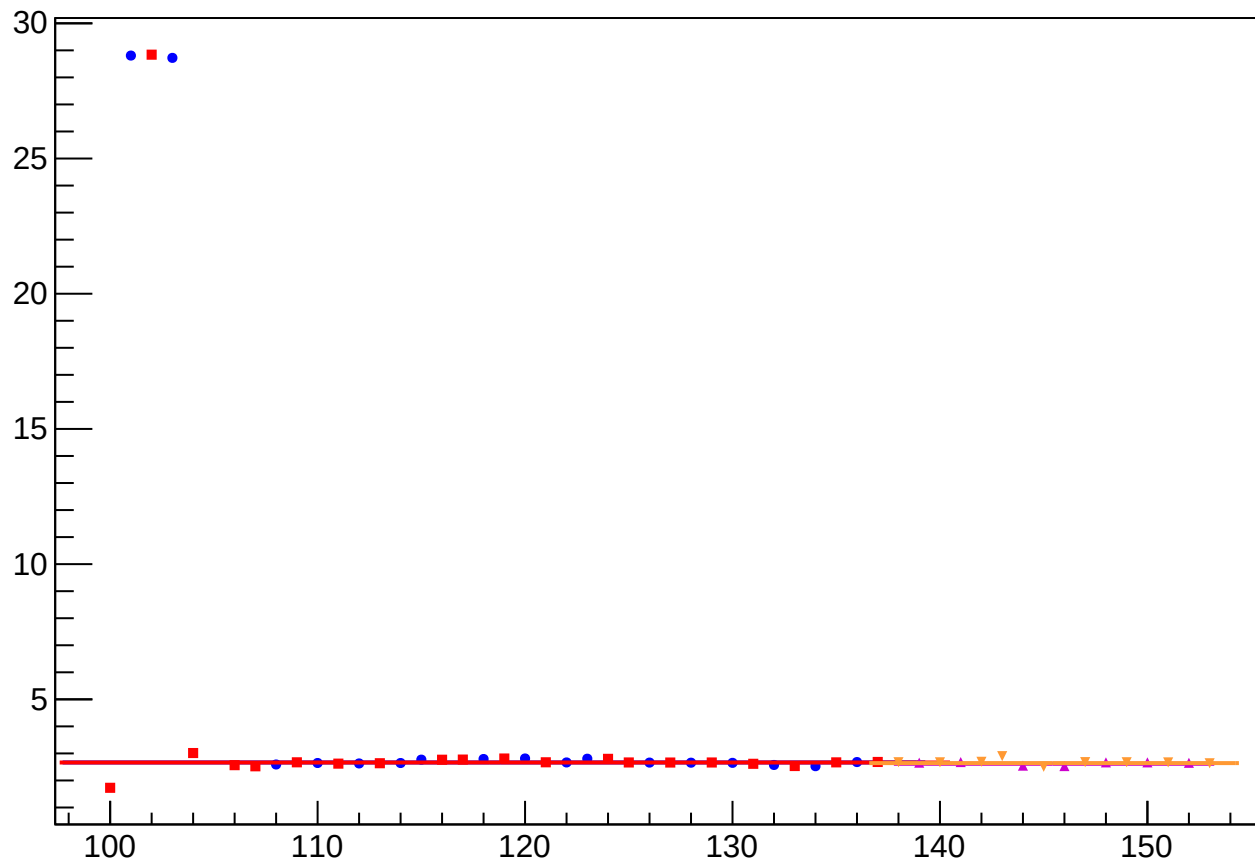
Left In: 0.021+/-0.000 χ^2/NDF : 288842.6/6

0.016+/-0.000 χ^2/NDF : 2225835.1/25

0.017+/-0.000 χ^2/NDF : 4040848.5/52

0.017+/-0.000 χ^2/NDF : 1789752.3/26

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.642 $\pm$ 0.000 χ^2 /NDF: 11360763435.1/8

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70484048082.1/19

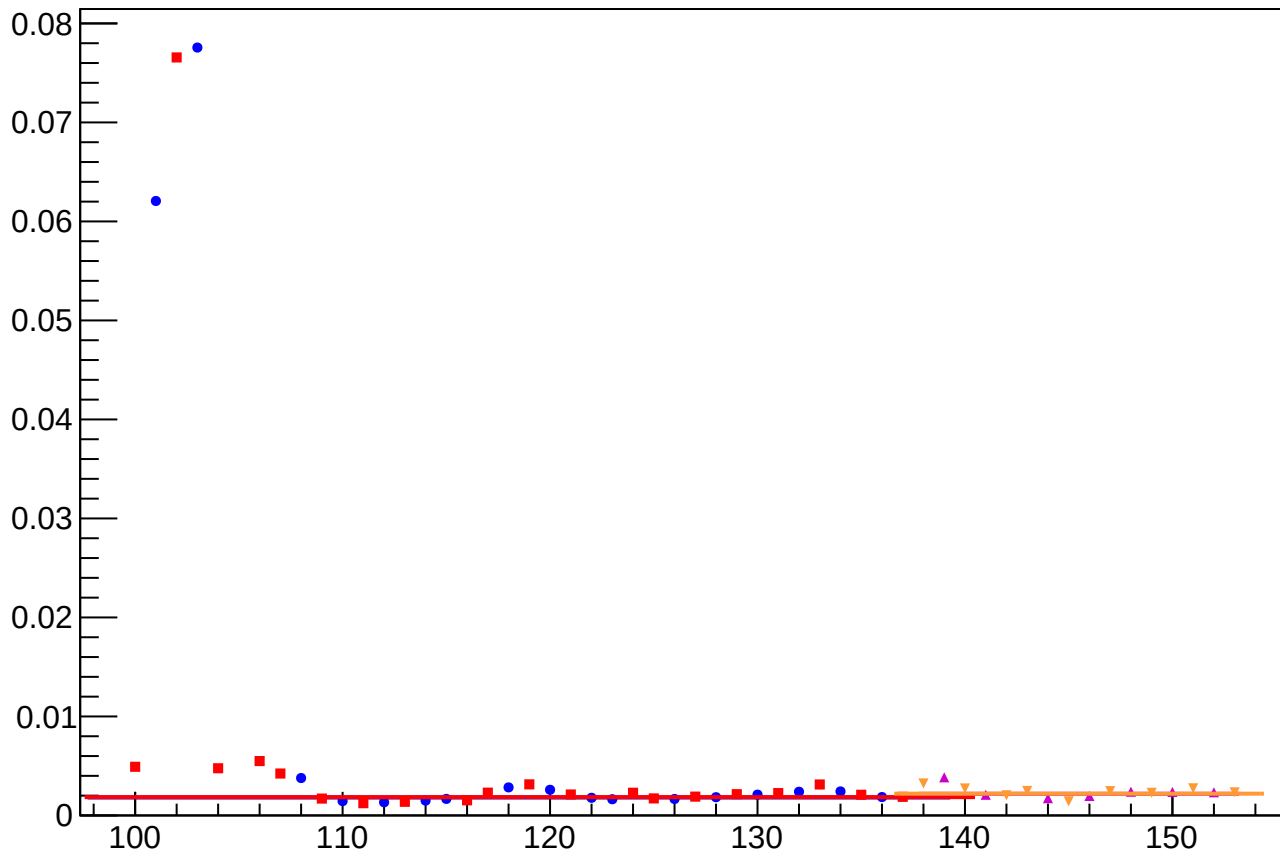
Left In: 2.616 $\pm$ 0.000 χ^2 /NDF: 3783105527.3/6

2.656 $\pm$ 0.000 χ^2 /NDF: 174862700061.7/25

2.650 $\pm$ 0.000 χ^2 /NDF: 250563102105.9/26

2.645 $\pm$ 0.000 χ^2 /NDF: 75564104388.0/26

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 : 593914.1/8

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

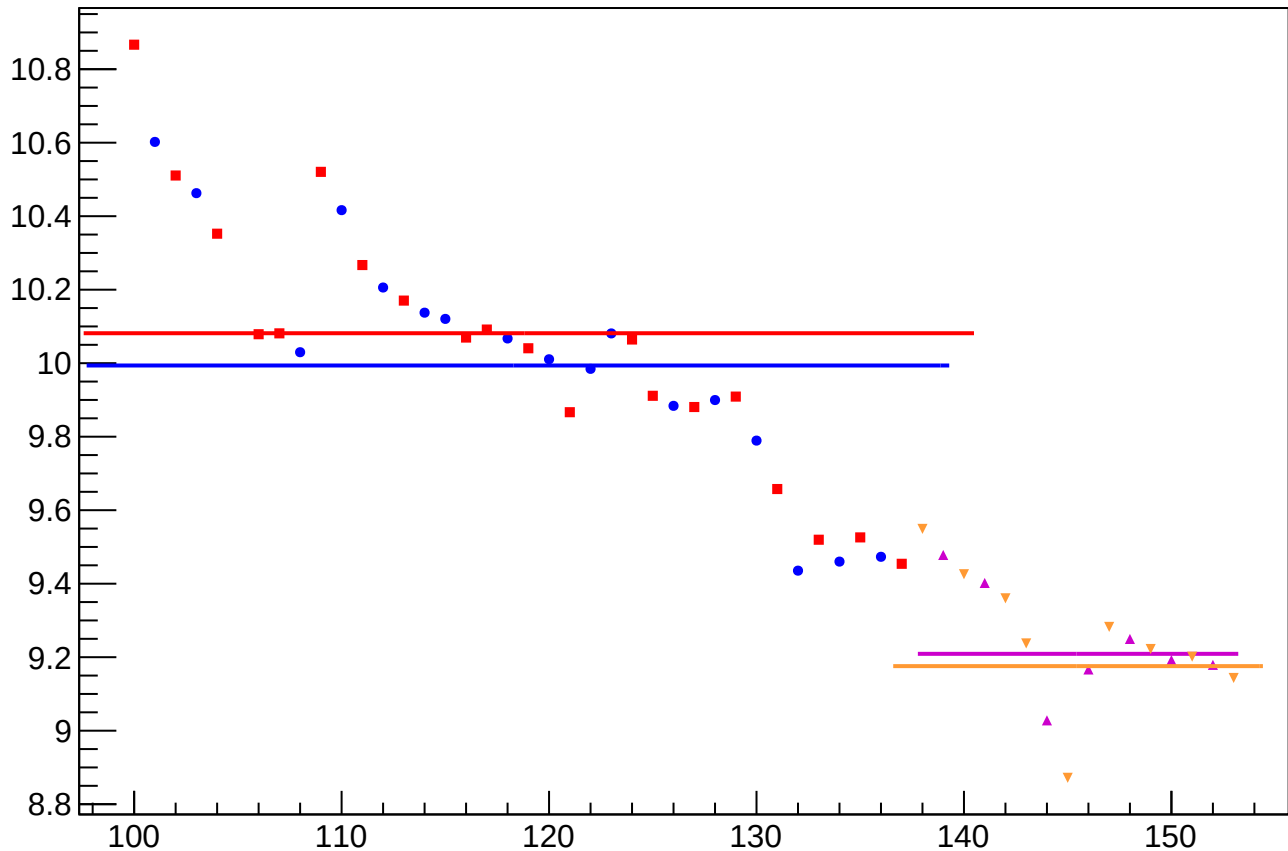
Left In: 0.002+/-0.000 χ^2/NDF : 391781.5/6

0.002+/-0.000 χ^2/NDF : 3427885.6/25

0.002+/-0.000 χ^2/NDF : 6283651.6/52

0.002+/-0.000 χ^2/NDF : 2855764.5/26

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.176+/-0.000 χ^2/NDF : 4595503487.4/8

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

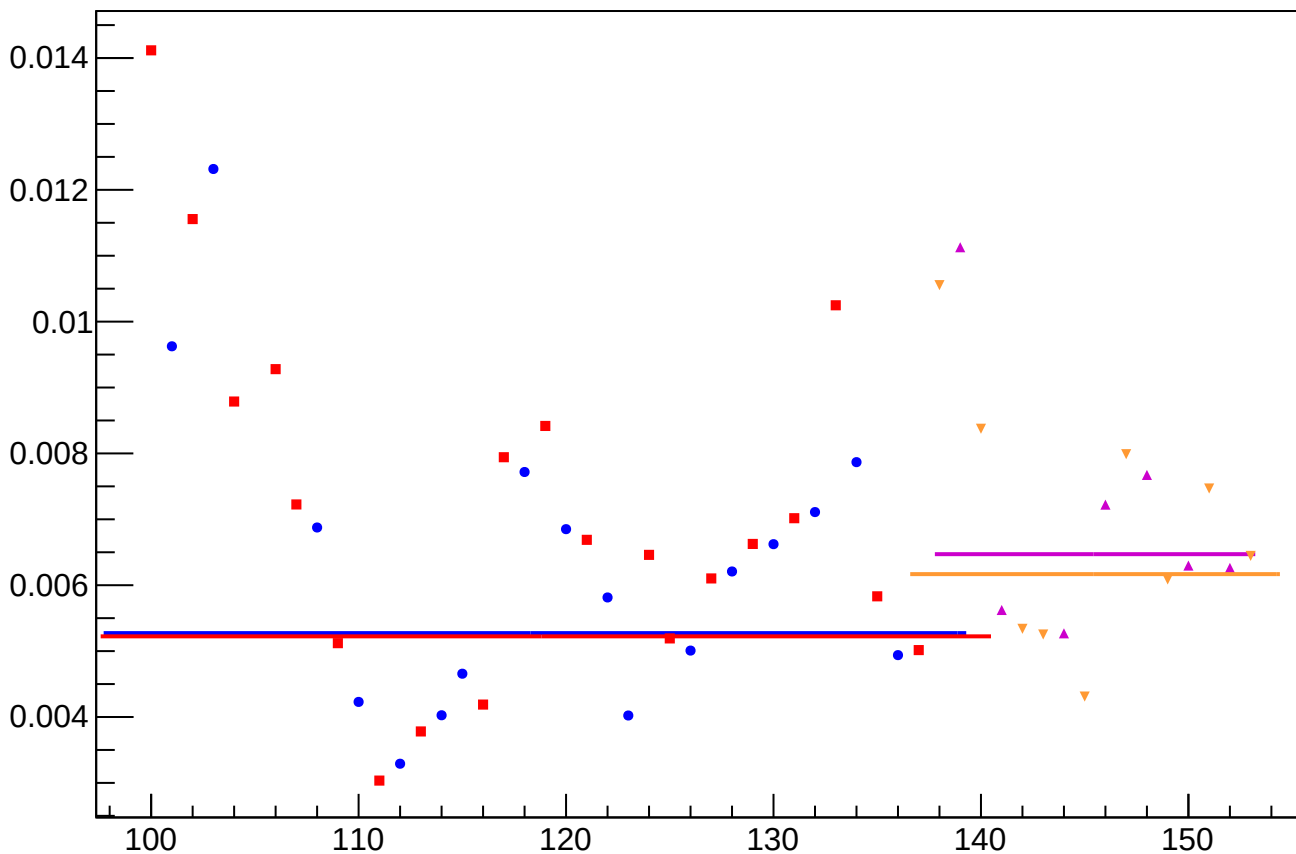
Left In: 9.209+/-0.000 χ^2/NDF : 1890186590.0/6

9.651+/-0.000 χ^2/NDF : 74083228243.3/25

9.709+/-0.000 χ^2/NDF : 146247937695.6/25

9.768+/-0.000 χ^2/NDF : 70060671165.2/26

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 : 651319.9/8

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

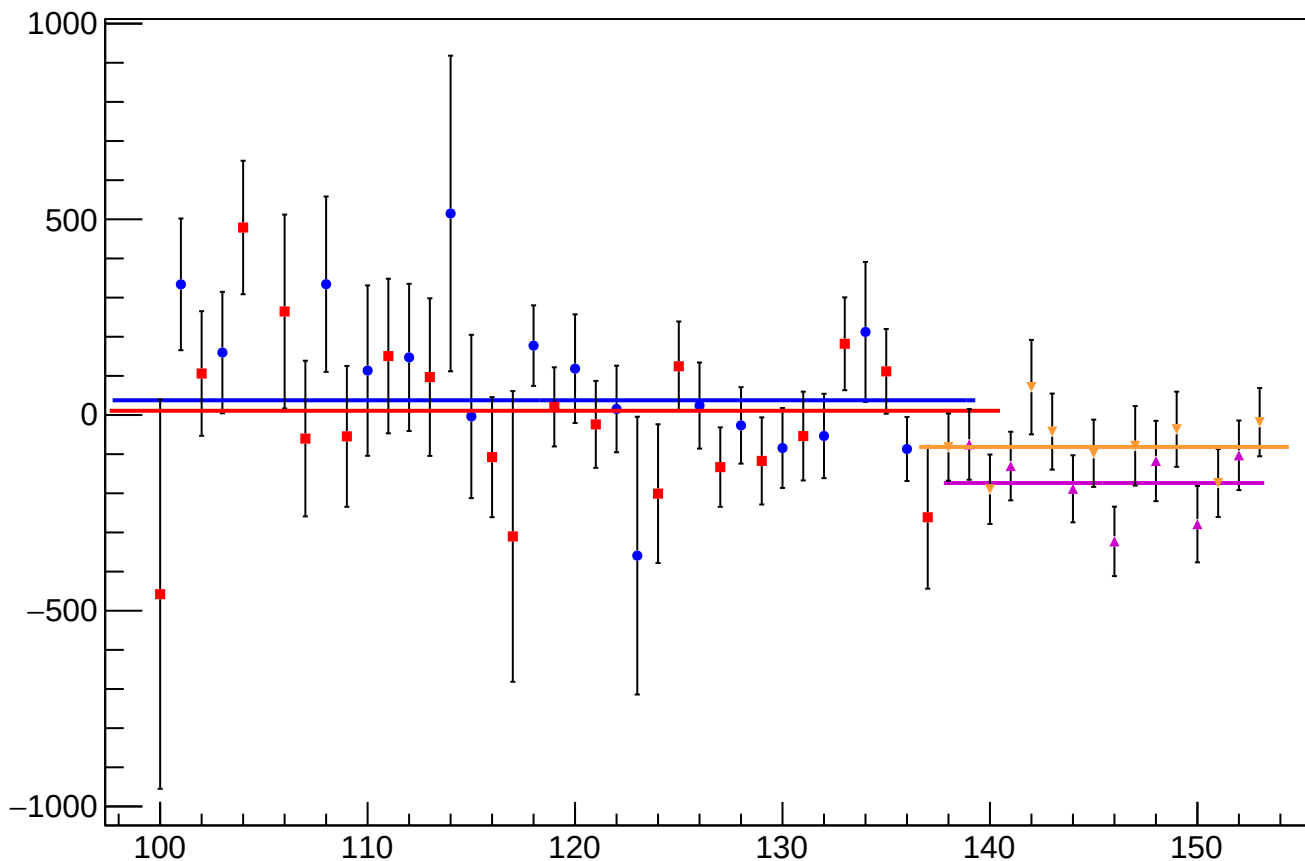
Left In: 0.006+/-0.000 χ^2/NDF : 382322.6/6

0.006+/-0.000 χ^2/NDF : 2018279.9/25

0.006+/-0.000 χ^2/NDF : 4283574.3/52

0.006+/-0.000 χ^2/NDF : 2265123.4/26

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2/NDF : 16.7/16

Left Out: -81.576 $\pm$ 30.971 χ^2/NDF : 5.2/8

Right Out: 10.884 $\pm$ 31.947 χ^2/NDF : 23.5/19

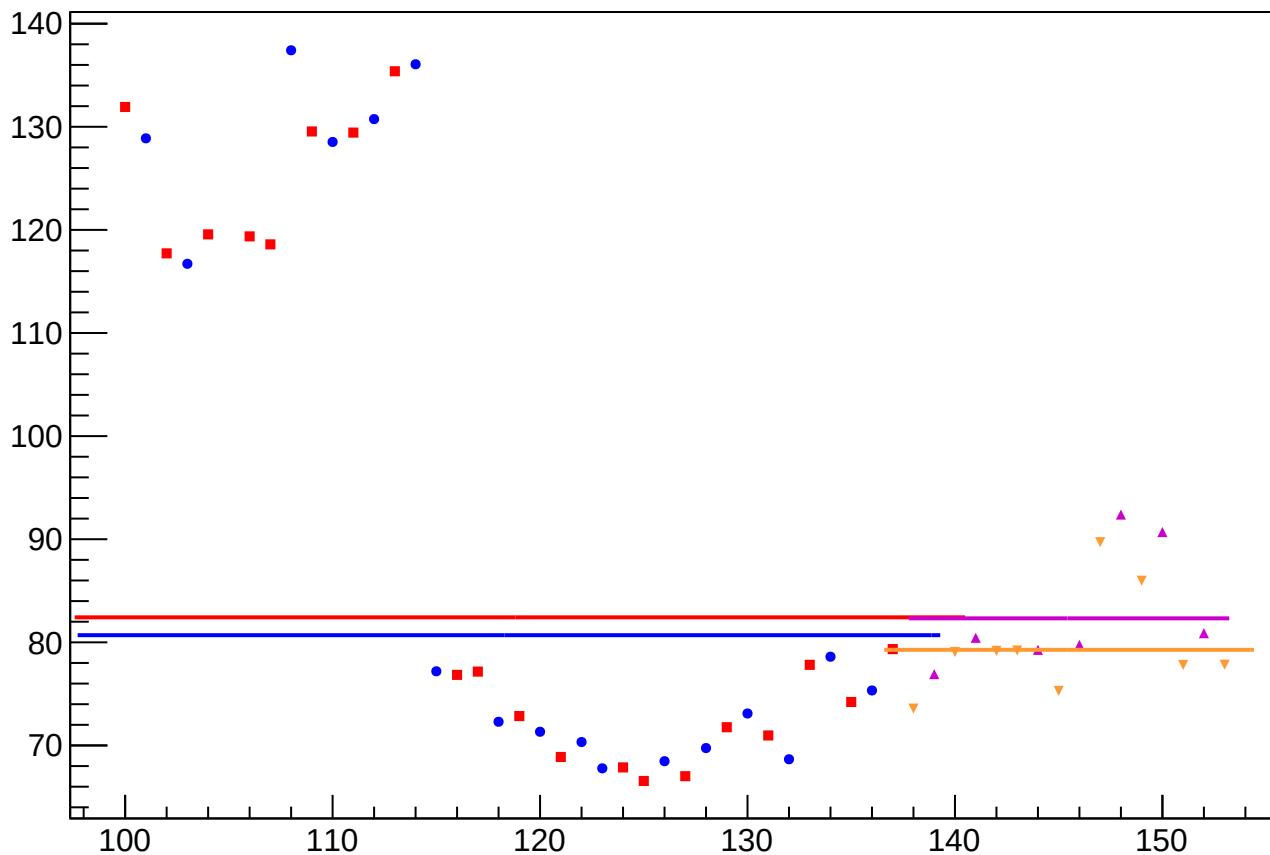
Left In: -173.640 $\pm$ 34.451 χ^2/NDF : 6.4/6

-24.360 $\pm$ 22.339 χ^2/NDF : 29.0/25

-48.207 $\pm$ 16.167 χ^2/NDF : 76.7/52

-74.429 $\pm$ 23.426 χ^2/NDF : 45.3/26

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694+/-0.023 χ^2/NDF : 814026.4/16

Left Out: 79.275+/-0.022 χ^2/NDF : 45152.6/8

Right Out: 82.424+/-0.023 χ^2/NDF : 915282.5/19

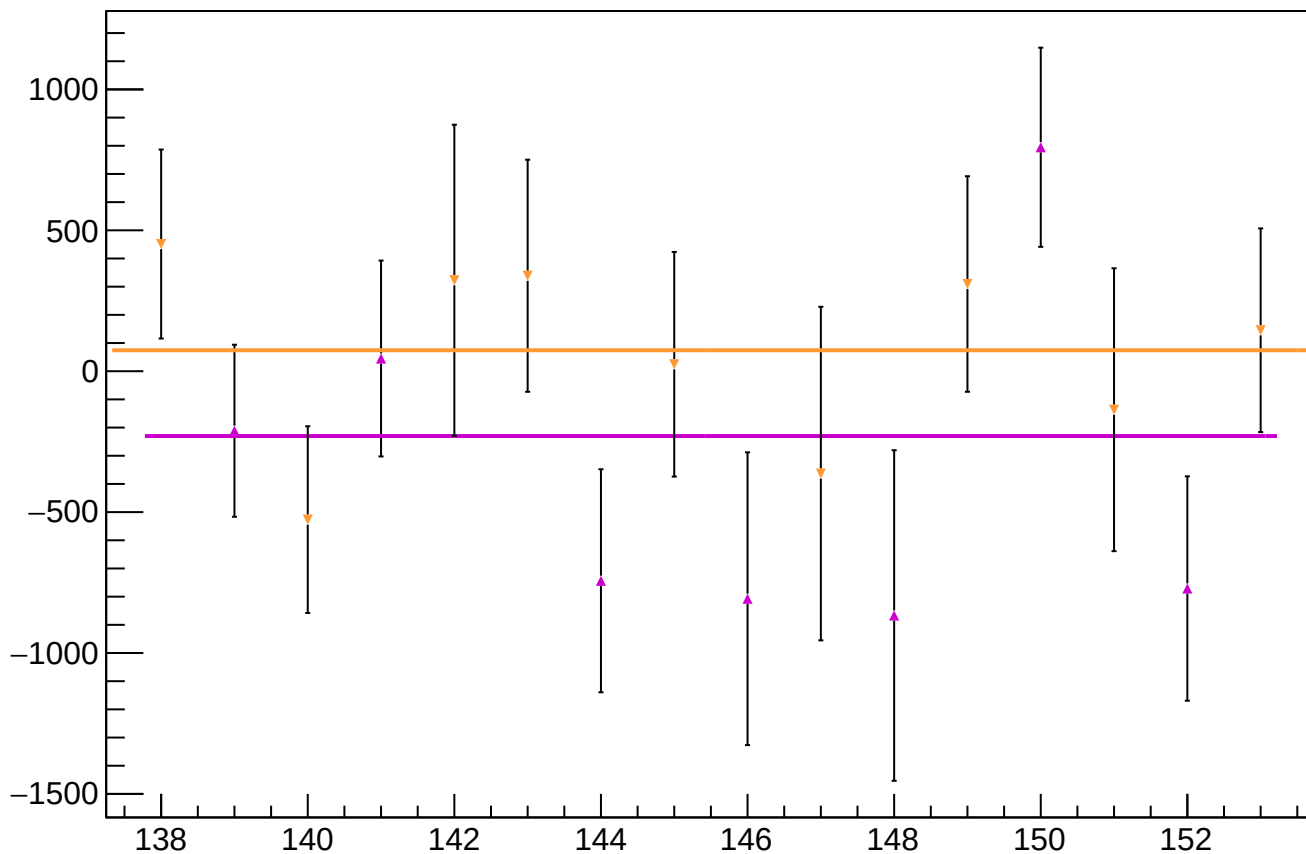
Left In: 82.327+/-0.024 χ^2/NDF : 46791.2/6

79.956+/-0.016 χ^2/NDF : 861193.6/25

81.110+/-0.011 χ^2/NDF : 1834485.8/52

82.379+/-0.017 χ^2/NDF : 962082.3/26

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 74.393+/-135.089 χ^2/NDF : 6.3/8

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

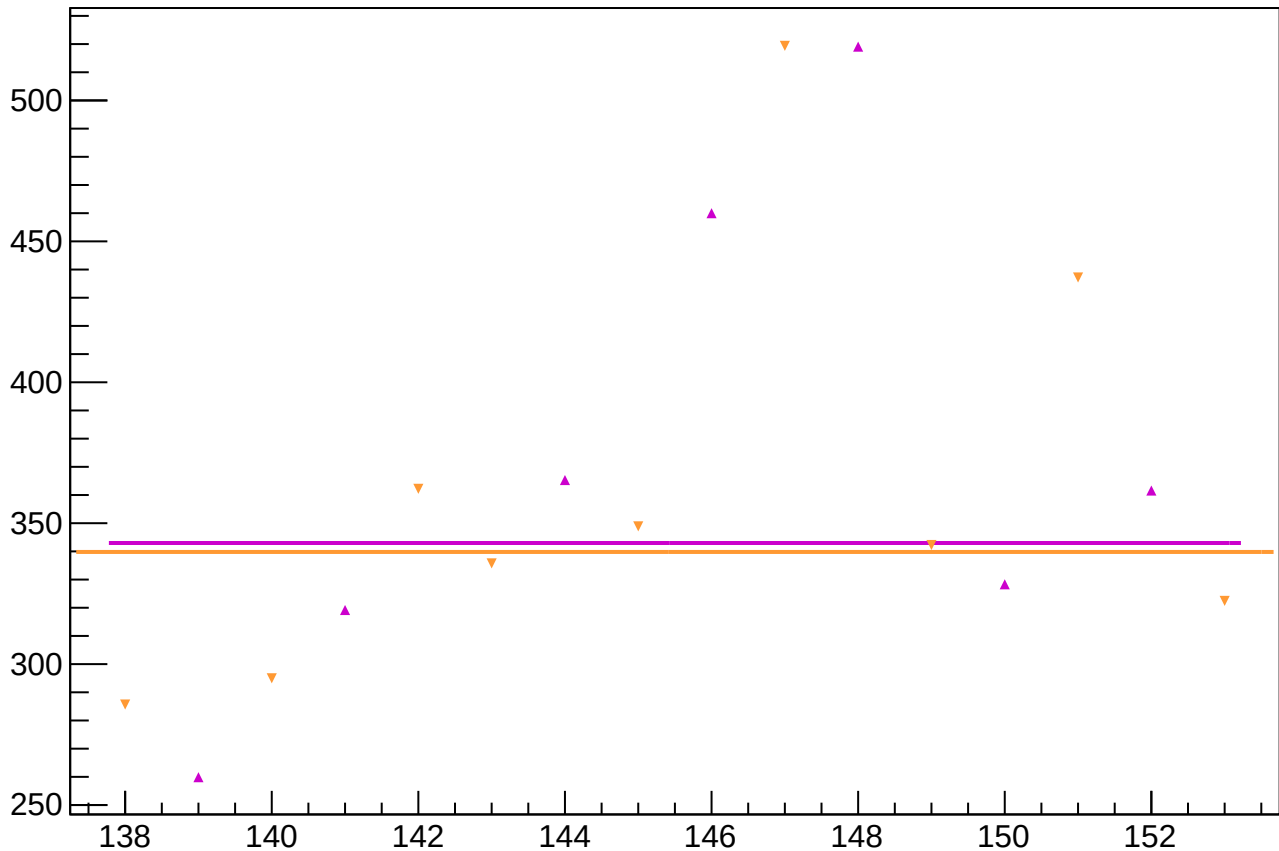
Left In: -230.058+/-146.931 χ^2/NDF : 15.0/6

74.393+/-135.089 χ^2/NDF : 6.3/8

-65.071+/-99.446 χ^2/NDF : 23.6/15

-230.058+/-146.931 χ^2/NDF : 15.0/6

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 339.800+/-0.096 χ^2/NDF : 357359.6/8

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

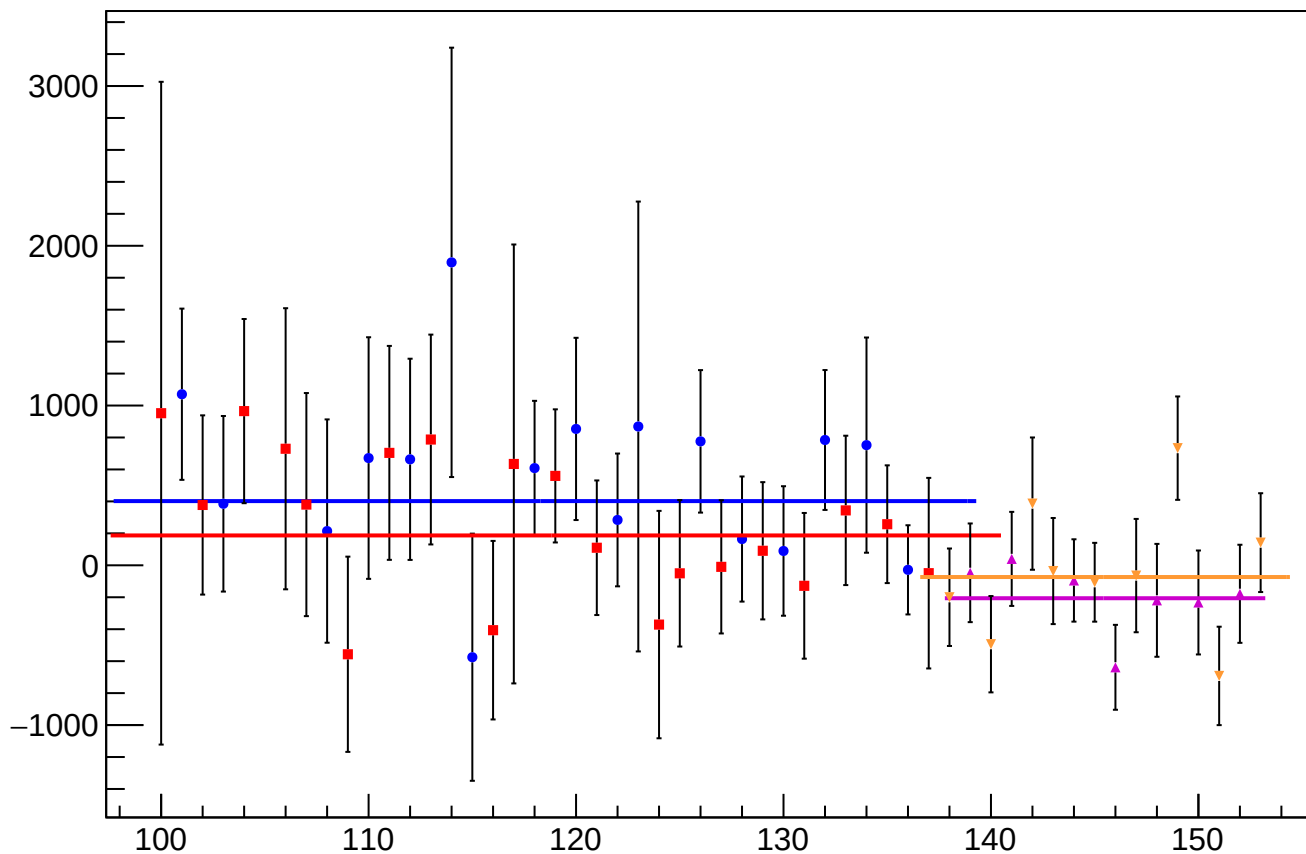
Left In: 342.977+/-0.104 χ^2/NDF : 453504.2/6

339.800+/-0.096 χ^2/NDF : 357359.6/8

341.255+/-0.070 χ^2/NDF : 811370.5/15

342.977+/-0.104 χ^2/NDF : 453504.2/6

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -73.413 $\pm$ 104.496 χ^2 /NDF:14.1/8

Right Out: 186.914 $\pm$ 119.879 χ^2 /NDF: 9.4/19

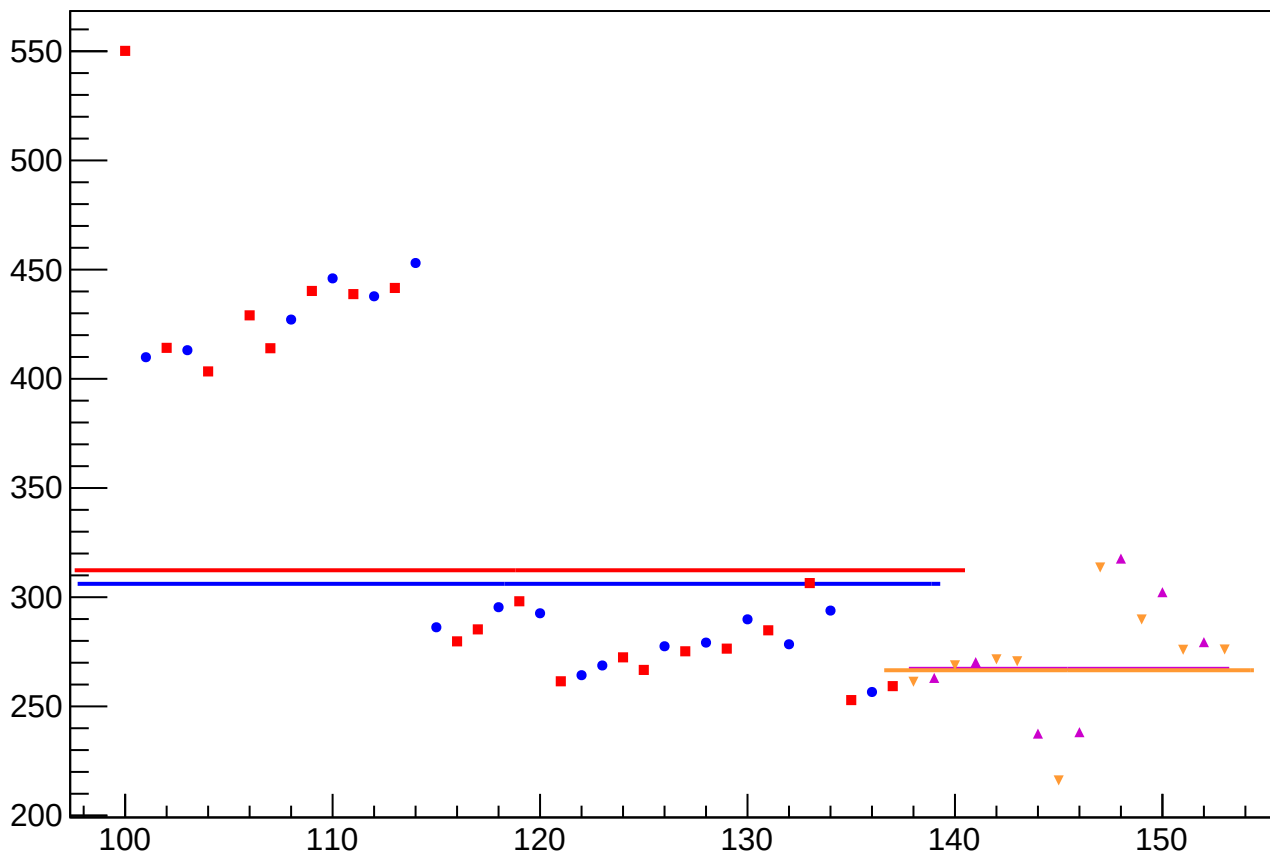
Left In: -206.092 $\pm$ 112.284 χ^2 /NDF:3.8/6

129.536 $\pm$ 79.099 χ^2 /NDF: 33.8/25

56.242 $\pm$ 56.913 χ^2 /NDF: 54.6/52

-22.432 $\pm$ 81.950 χ^2 /NDF: 19.0/26

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 266.552+/-0.074 χ^2/NDF : 134230.9/8

Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

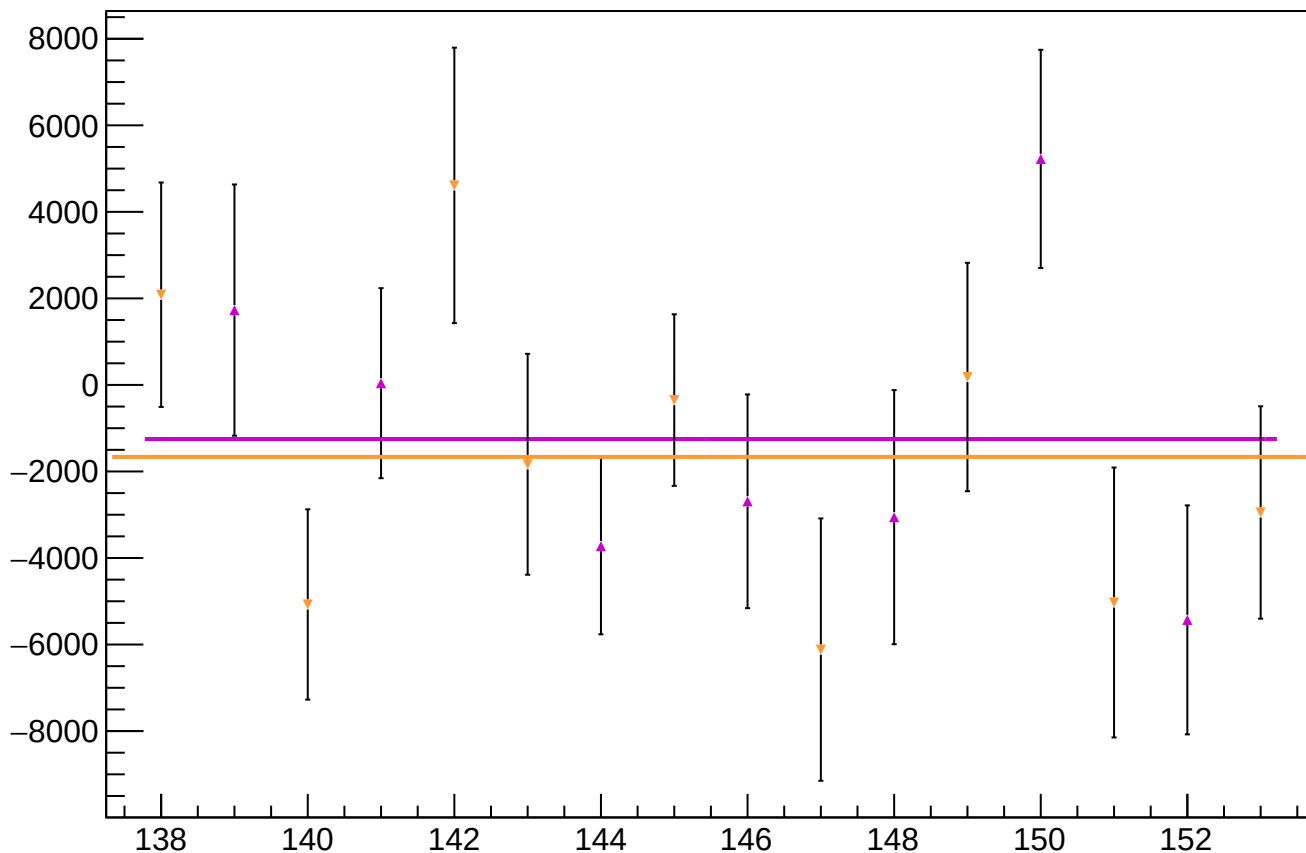
Left In: 267.209+/-0.079 χ^2/NDF : 118165.7/6

283.449+/-0.056 χ^2/NDF : 765140.3/25

285.787+/-0.040 χ^2/NDF : 1664443.9/52

288.297+/-0.058 χ^2/NDF : 895680.0/26

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1662.767+/-850.325 χ^2/NDF :12.9/8

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

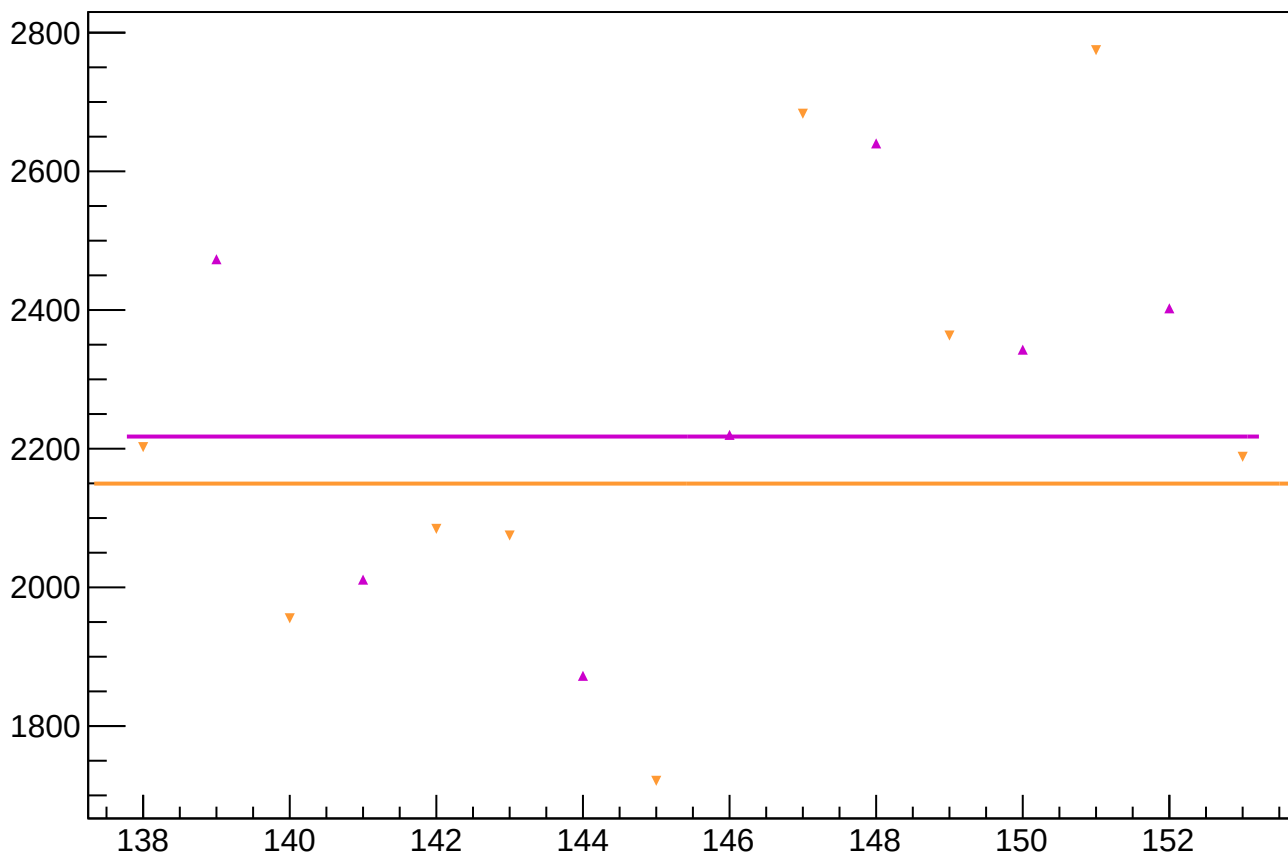
Left In: -1249.631+/-933.840 χ^2/NDF :12.7/6

-1662.767+/-850.325 χ^2/NDF : 12.9/8

-1475.496+/-628.727 χ^2/NDF : 25.7/15

-1249.631+/-933.840 χ^2/NDF : 12.7/6

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2149.664+/-0.601 χ^2/NDF : 268238.7/8

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

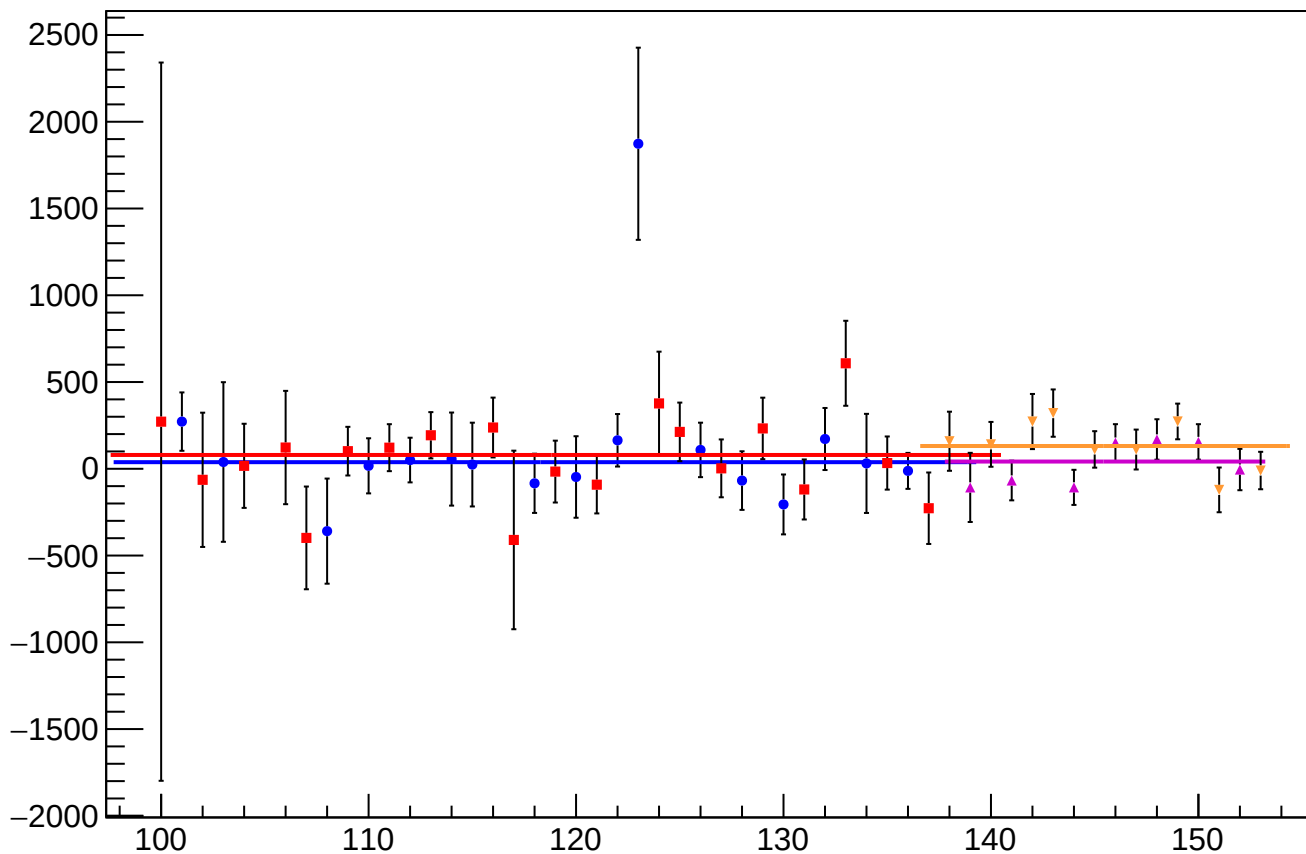
Left In: 2217.525+/-0.660 χ^2/NDF : 146664.3/6

2149.664+/-0.601 χ^2/NDF : 268238.7/8

2180.425+/-0.445 χ^2/NDF : 420677.0/15

2217.525+/-0.660 χ^2/NDF : 146664.3/6

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 131.297+/-41.013 χ^2/NDF : 10.3/8

Right Out: 79.665+/-42.948 χ^2/NDF : 17.6/19

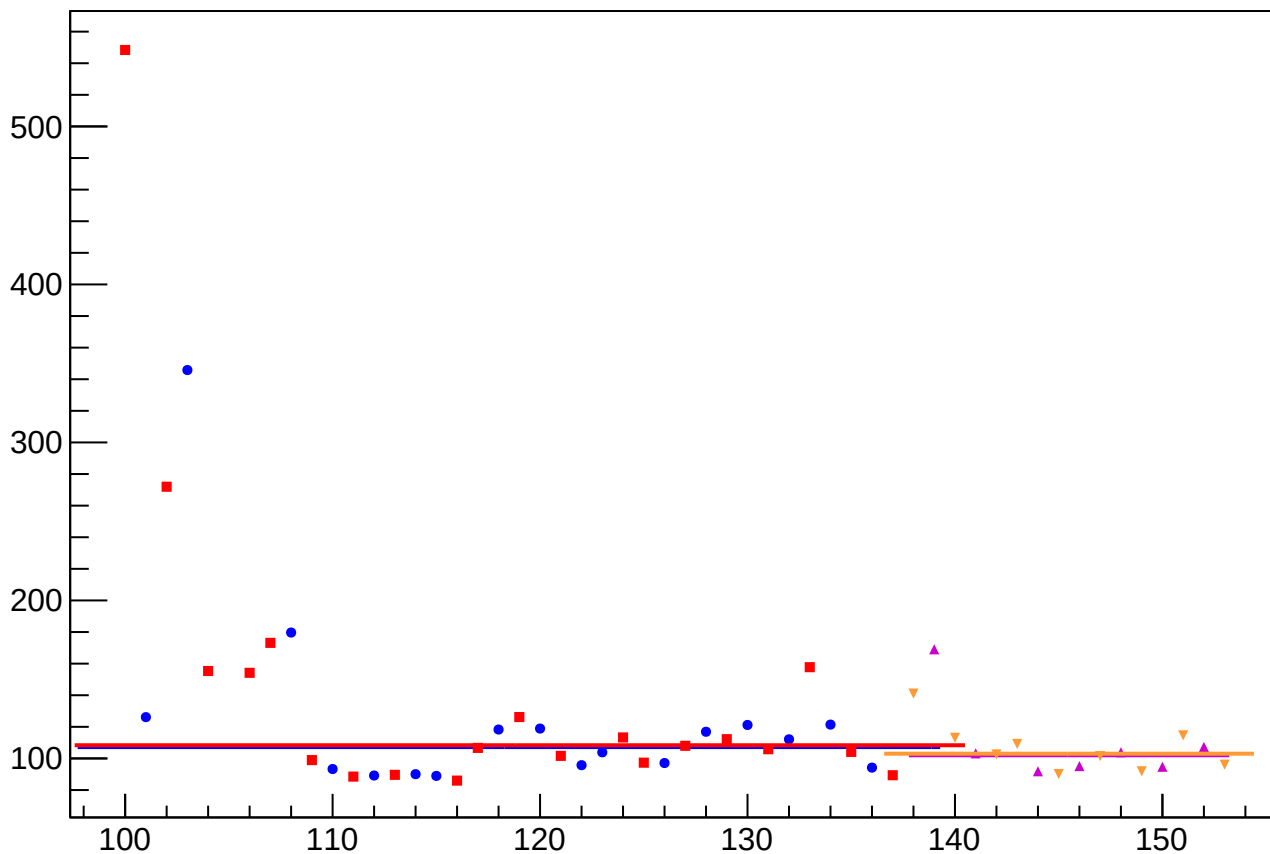
Left In: 41.717+/-43.517 χ^2/NDF : 7.3/6

87.502+/-29.856 χ^2/NDF : 32.1/25

74.534+/-21.359 χ^2/NDF : 57.8/52

60.941+/-30.568 χ^2/NDF : 25.3/26

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 103.001+/-0.029 χ^2/NDF : 194373.6/8

Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

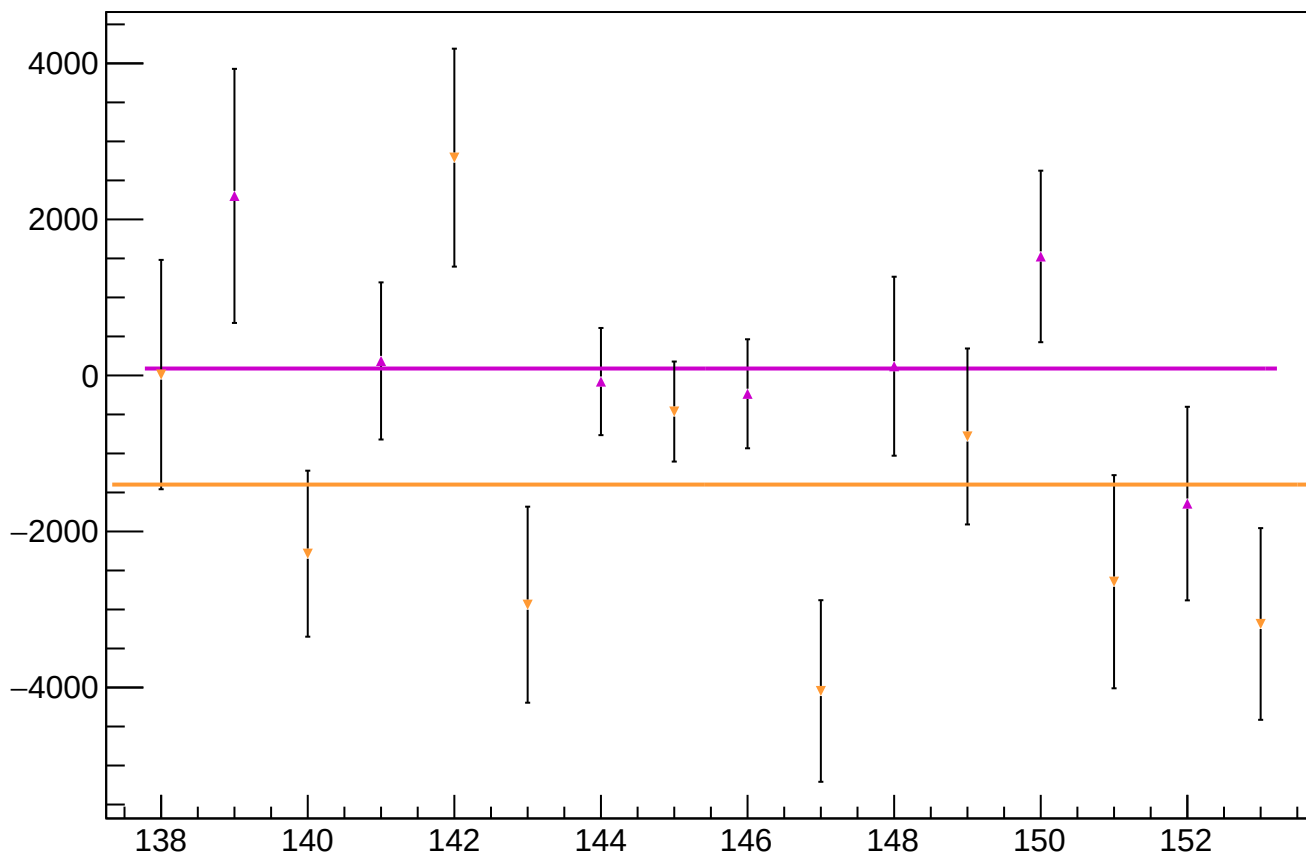
Left In: 102.000+/-0.031 χ^2/NDF : 269733.9/6

104.970+/-0.021 χ^2/NDF : 1047290.4/25

105.090+/-0.015 χ^2/NDF : 2255952.8/52

105.215+/-0.022 χ^2/NDF : 1208596.3/26

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1398.772 $\pm$ 361.609 χ^2 /NDF:22.7/8

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

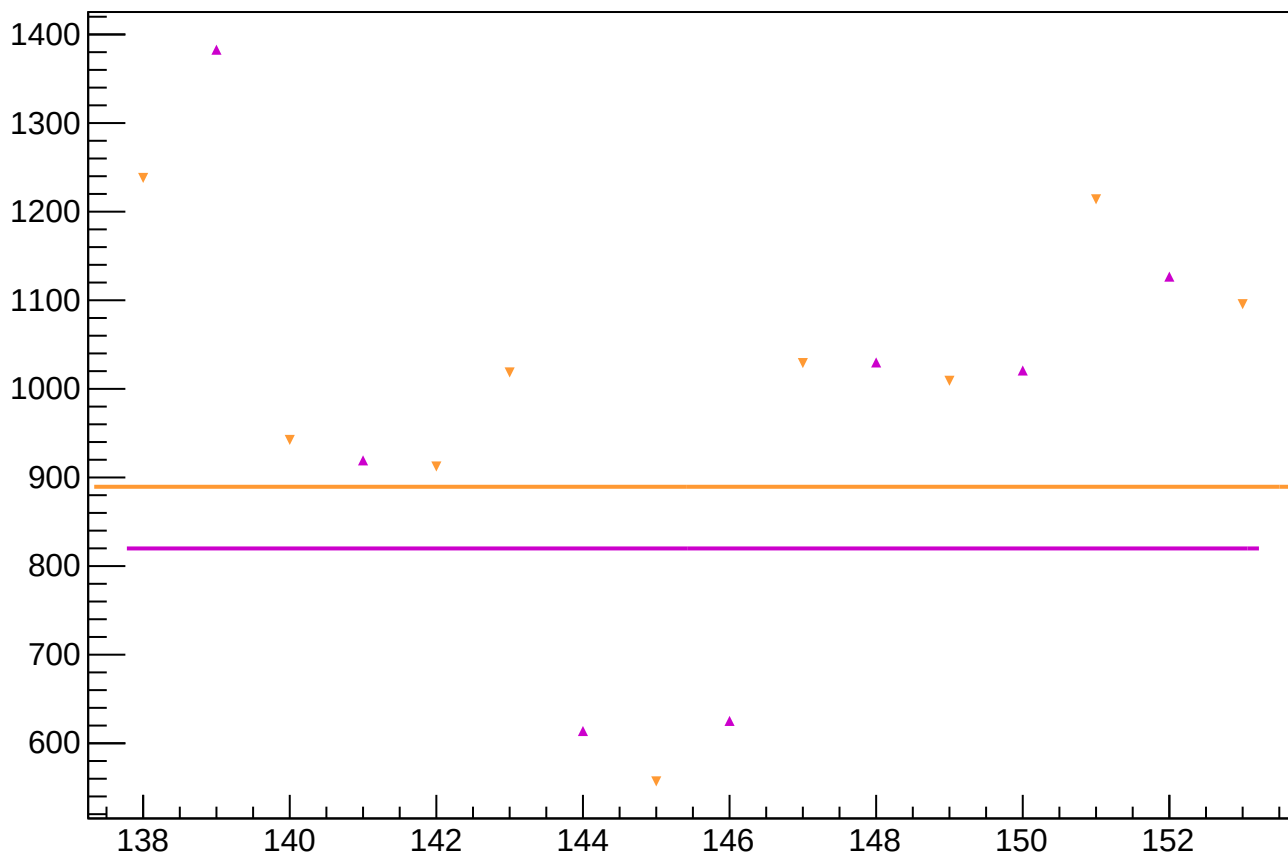
Left In: 88.699 $\pm$ 358.785 χ^2 /NDF:5.8/6

-1398.772 $\pm$ 361.609 χ^2 /NDF: 22.7/8

-649.207 $\pm$ 254.692 χ^2 /NDF: 37.0/15

88.699 $\pm$ 358.785 χ^2 /NDF: 5.8/6

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 889.511+/-0.256 χ^2/NDF : 897318.3/8

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

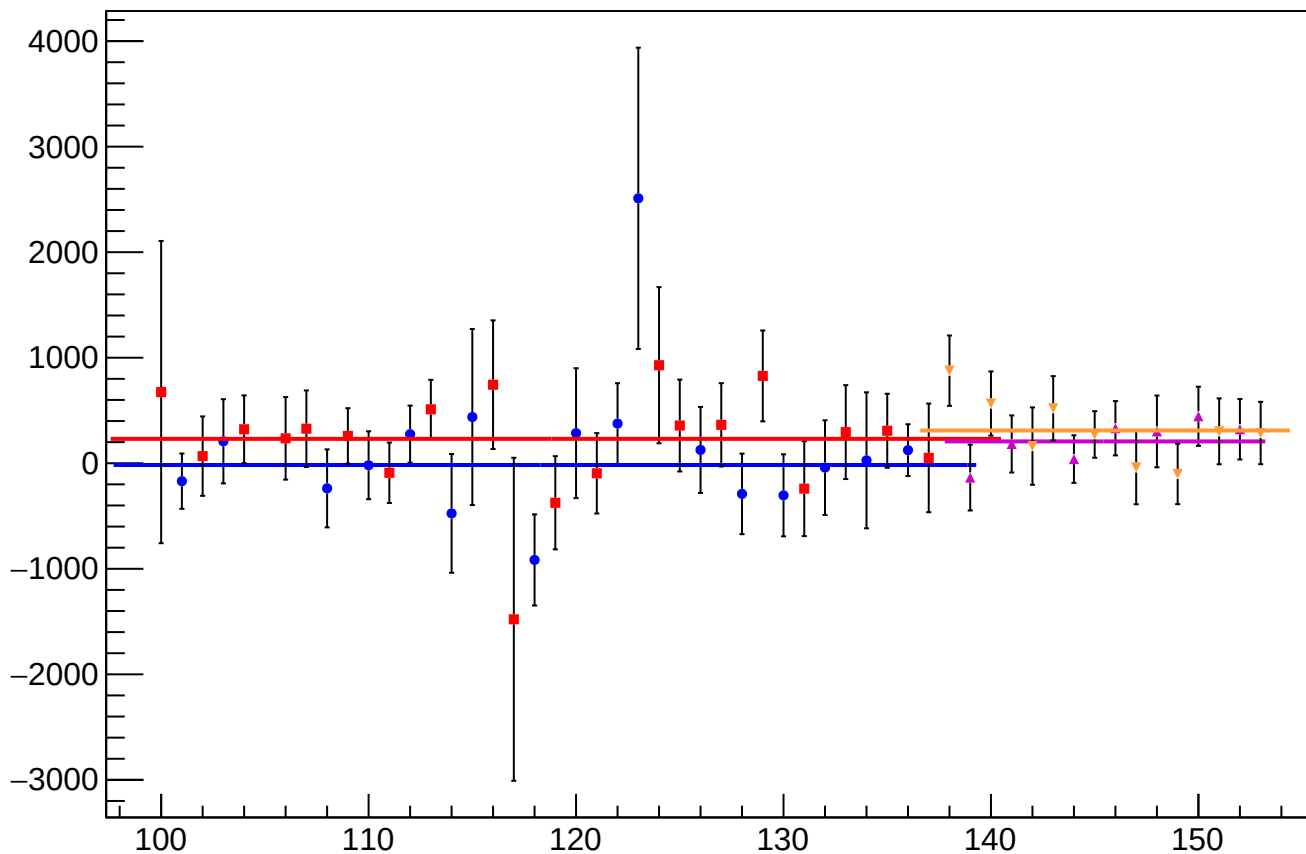
Left In: 819.900+/-0.254 χ^2/NDF : 849677.1/6

889.511+/-0.256 χ^2/NDF : 897318.3/8

854.433+/-0.180 χ^2/NDF : 1784343.2/15

819.900+/-0.254 χ^2/NDF : 849677.1/6

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 310.575 ± 99.660 $\chi^2/\text{NDF}: 7.3/8$

Right Out: 231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

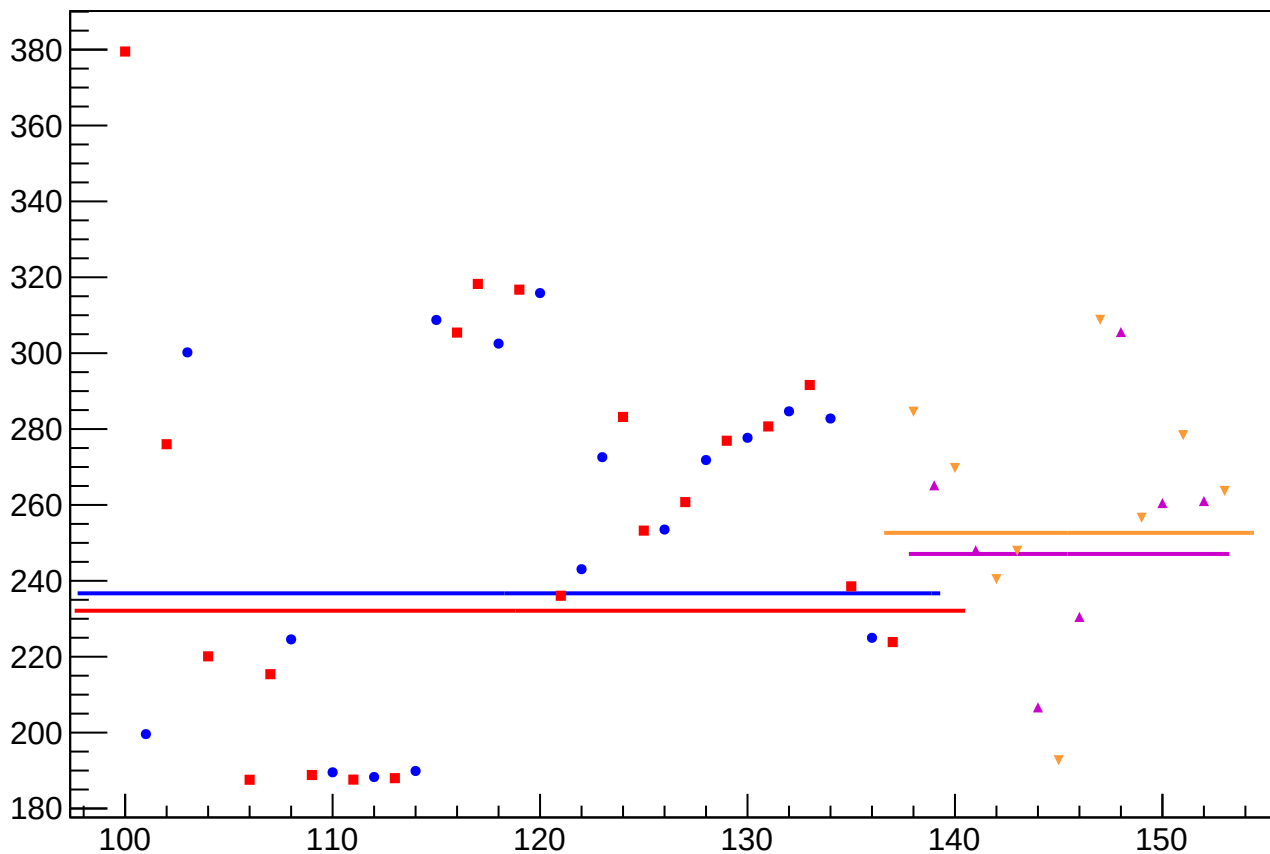
Left In: 206.914 ± 104.105 $\chi^2/\text{NDF}: 3.0/6$

136.263 ± 68.105 $\chi^2/\text{NDF}: 26.5/25$

178.964 ± 47.962 $\chi^2/\text{NDF}: 41.9/52$

220.979 ± 67.555 $\chi^2/\text{NDF}: 14.6/26$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 +/- 0.066 χ^2/NDF : 390344.9/16

Left Out: 252.639 +/- 0.070 χ^2/NDF : 243460.0/8

Right Out: 232.119 +/- 0.063 χ^2/NDF : 449633.1/19

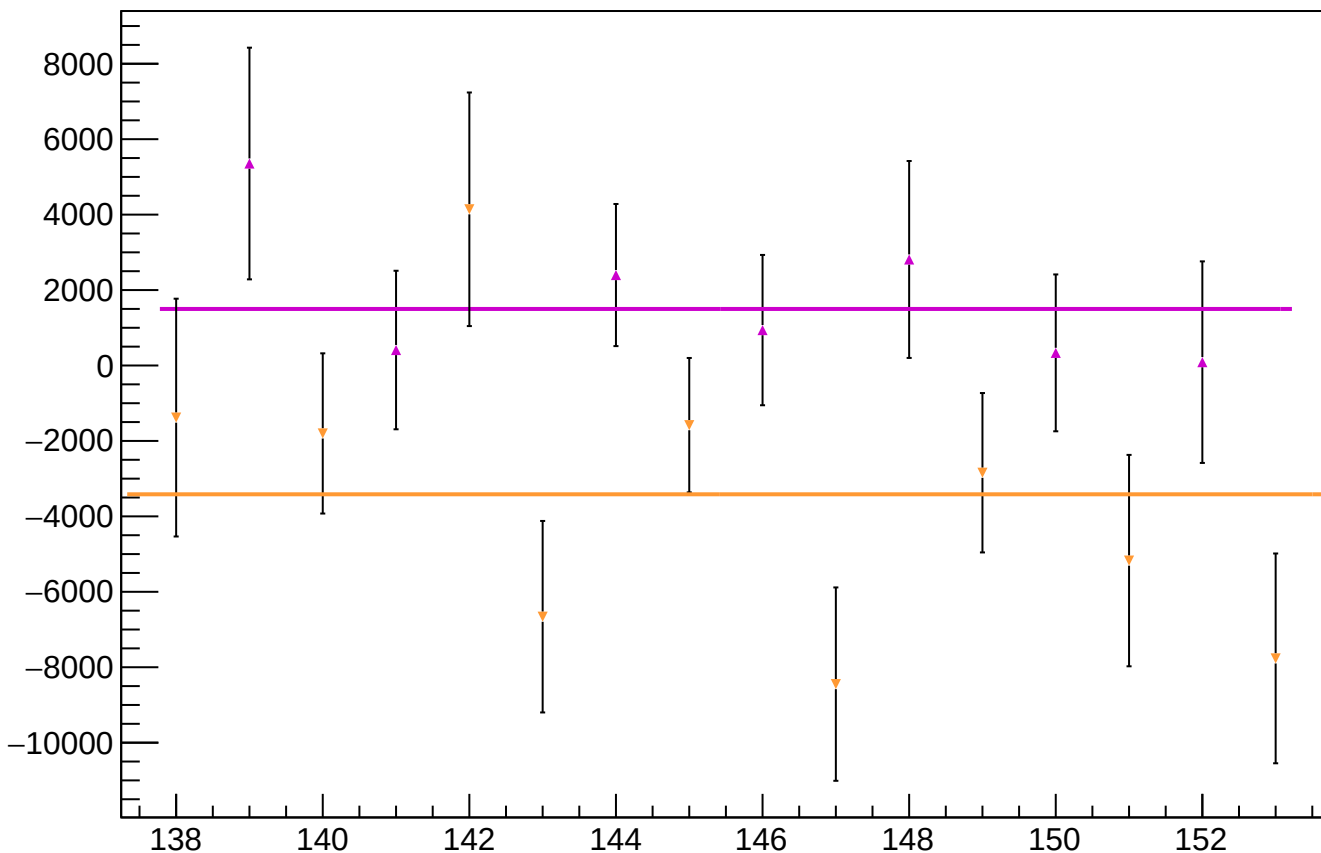
Left In: 247.082 +/- 0.074 χ^2/NDF : 147949.1/6

244.147 +/- 0.048 χ^2/NDF : 661049.7/25

241.260 +/- 0.034 χ^2/NDF : 1289678.1/52

238.420 +/- 0.048 χ^2/NDF : 621500.8/26

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3414.793+/-808.552 χ^2/NDF : 16.4/8

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

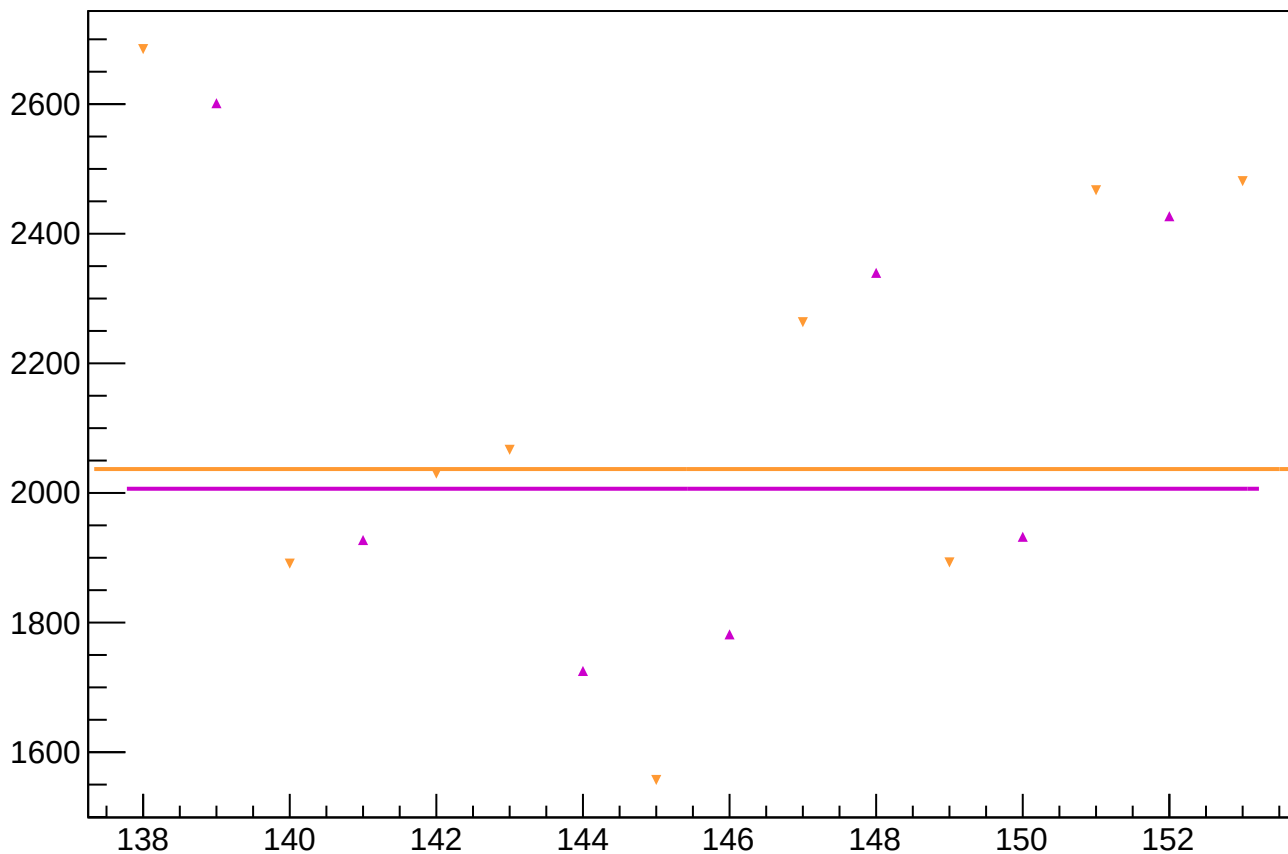
Left In: 1499.070+/-849.980 χ^2/NDF : 3.0/6

-3414.793+/-808.552 χ^2/NDF : 16.4/8

-1080.526+/-585.831 χ^2/NDF : 37.0/15

1499.070+/-849.980 χ^2/NDF : 3.0/6

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2036.888+/-0.572 χ^2/NDF : 362345.2/8

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

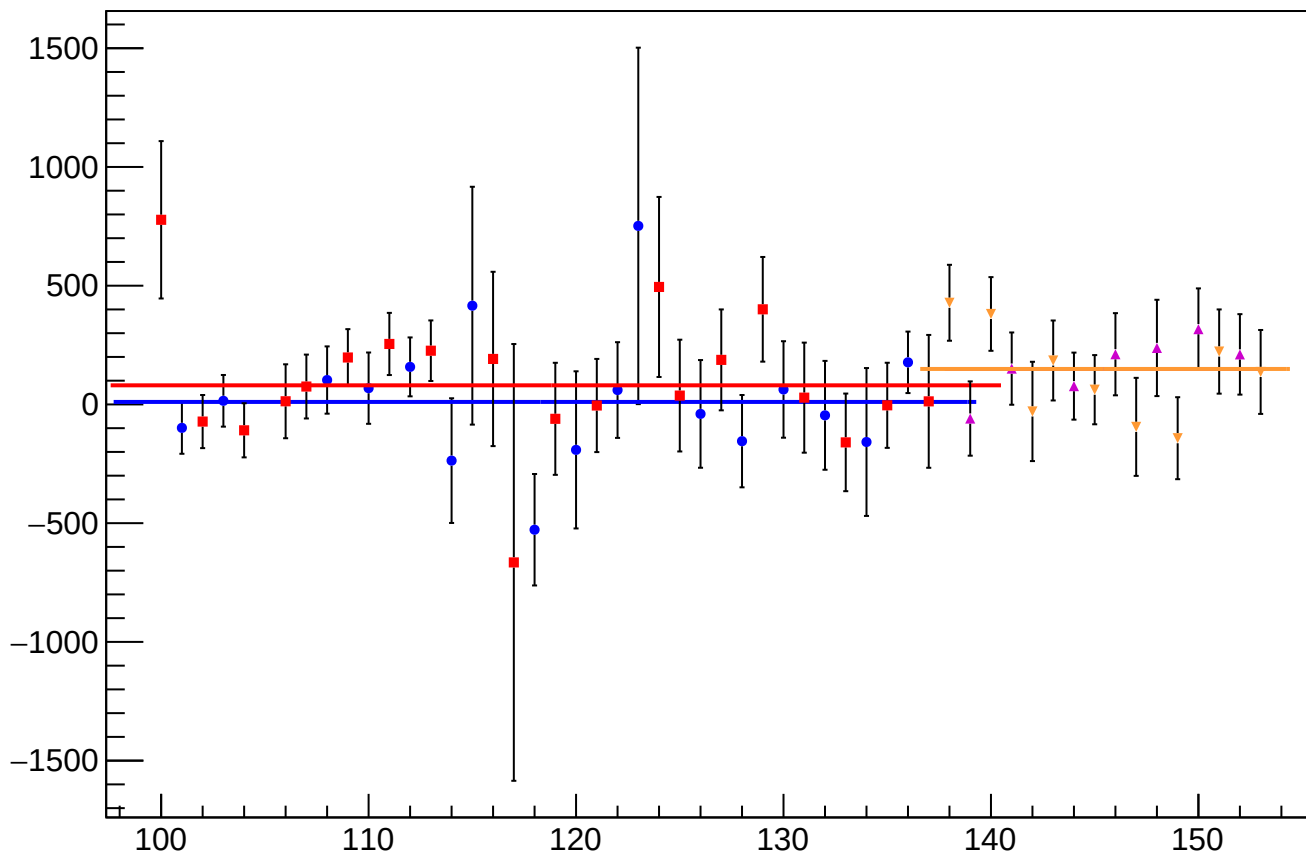
Left In: 2006.500+/-0.601 χ^2/NDF : 232506.3/6

2036.888+/-0.572 χ^2/NDF : 362345.2/8

2022.453+/-0.414 χ^2/NDF : 596193.4/15

2006.500+/-0.601 χ^2/NDF : 232506.3/6

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 149.384+/-57.094 χ^2/NDF : 10.8/8

Right Out: 80.462+/-38.950 χ^2/NDF : 19.9/19

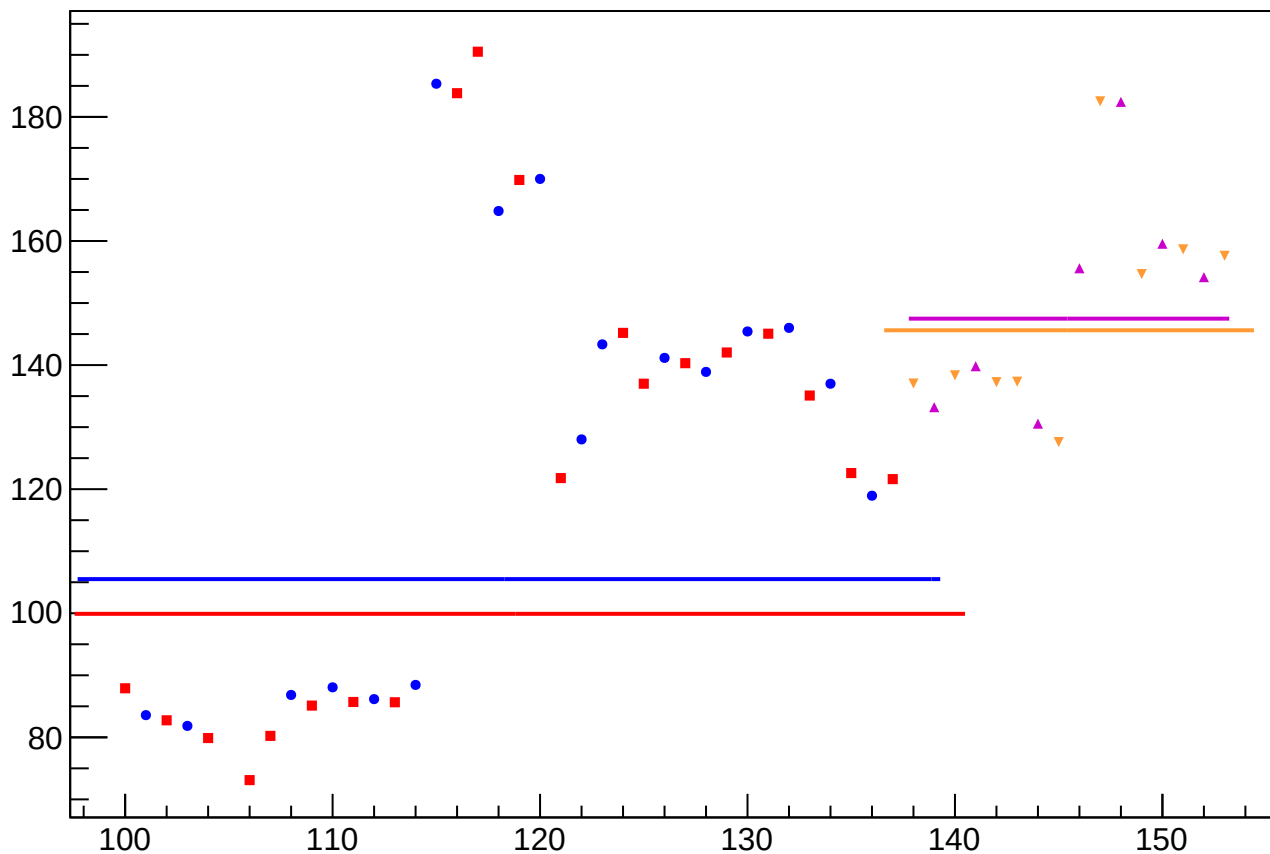
Left In: 149.206+/-61.926 χ^2/NDF : 3.4/6

59.730+/-33.985 χ^2/NDF : 28.7/25

80.448+/-23.664 χ^2/NDF : 53.6/52

99.948+/-32.970 χ^2/NDF : 24.2/26

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 145.608 $\pm$ 0.040 χ^2 /NDF:138260.5/8

Right Out: 99.907 $\pm$ 0.028 χ^2 /NDF: 1019545.3/19

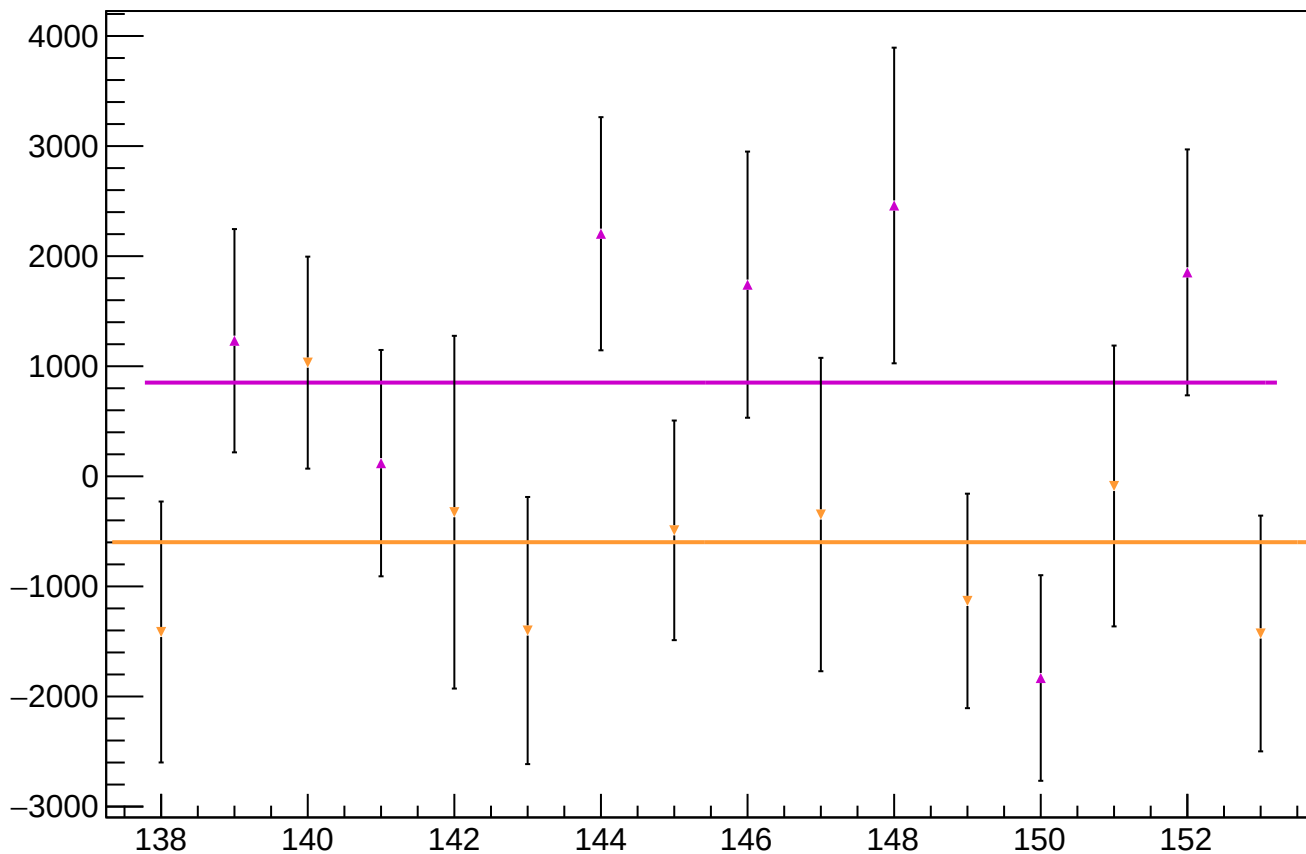
Left In: 147.485 $\pm$ 0.044 χ^2 /NDF:127300.2/6

119.713 $\pm$ 0.024 χ^2 /NDF: 1644495.0/25

116.458 $\pm$ 0.017 χ^2 /NDF: 3672892.9/52

113.394 $\pm$ 0.023 χ^2 /NDF: 1992771.6/26

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -598.349+/-380.747 χ^2/NDF : 4.9/8

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

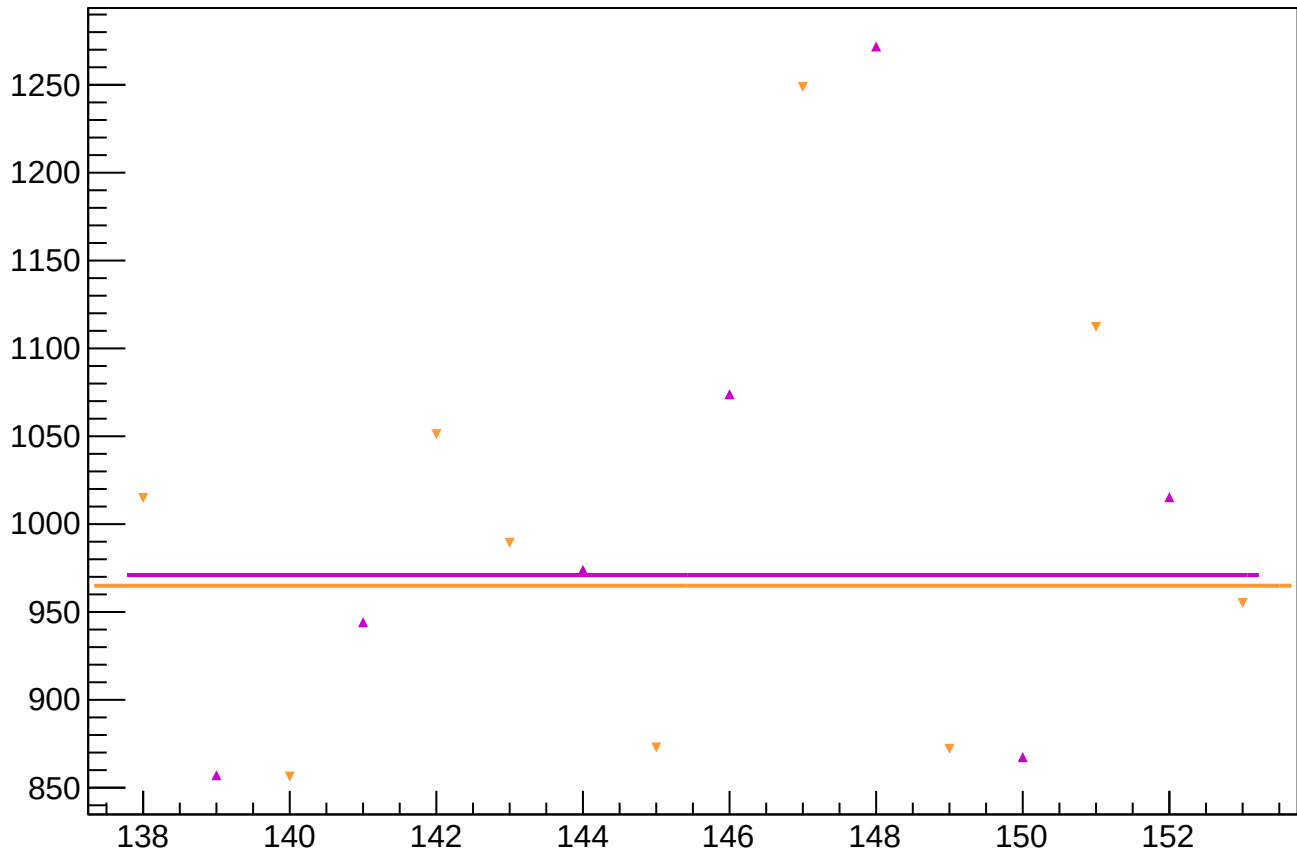
Left In: 851.436+/-410.692 χ^2/NDF : 13.1/6

-598.349+/-380.747 χ^2/NDF : 4.9/8

71.766+/-279.216 χ^2/NDF : 24.8/15

851.436+/-410.692 χ^2/NDF : 13.1/6

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 964.956+/-0.269 χ^2/NDF : 177117.1/8

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

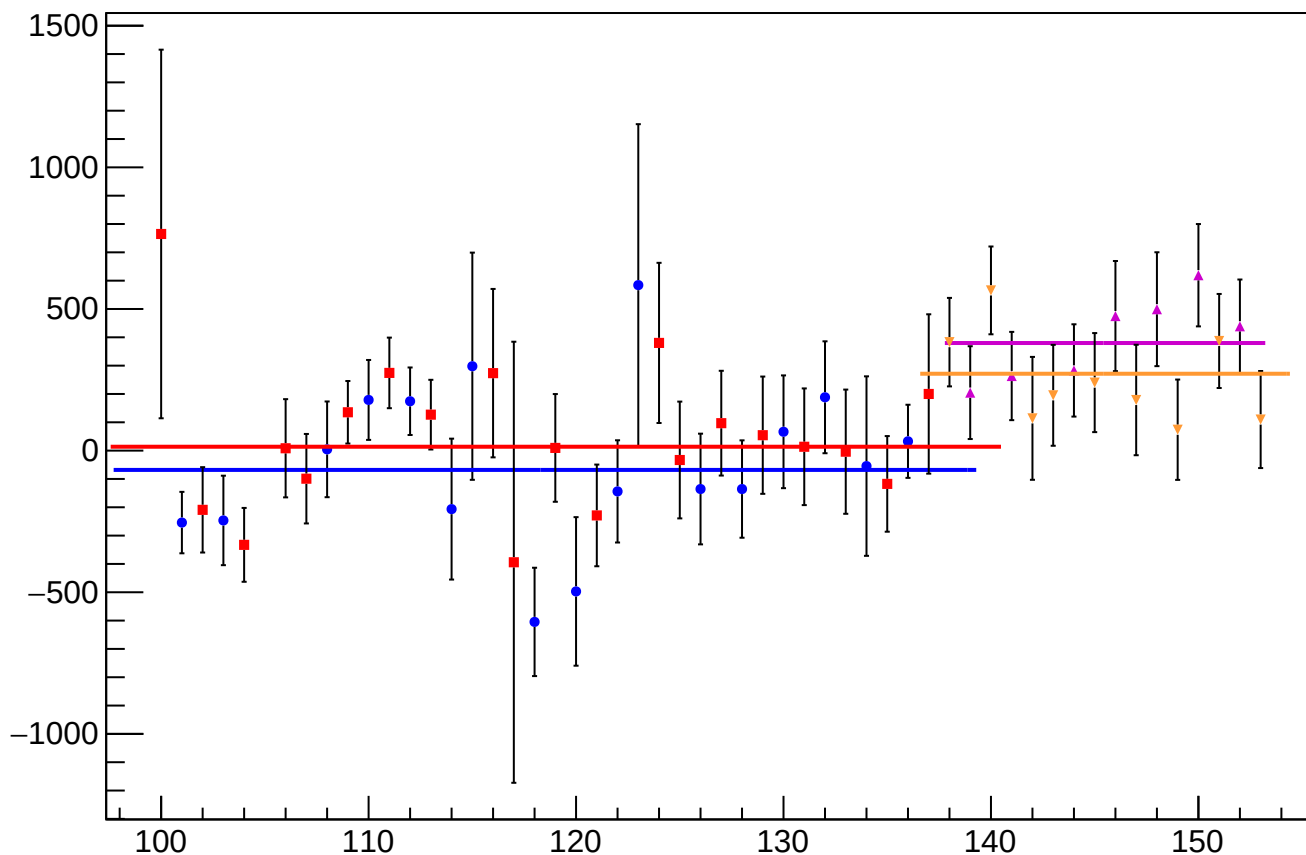
Left In: 971.040+/-0.290 χ^2/NDF : 156924.0/6

964.956+/-0.269 χ^2/NDF : 177117.1/8

967.768+/-0.197 χ^2/NDF : 334277.1/15

971.040+/-0.290 χ^2/NDF : 156924.0/6

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 271.416 ± 58.056 χ^2/NDF : 7.7/8

Right Out: 13.752 ± 39.416 χ^2/NDF : 23.4/19

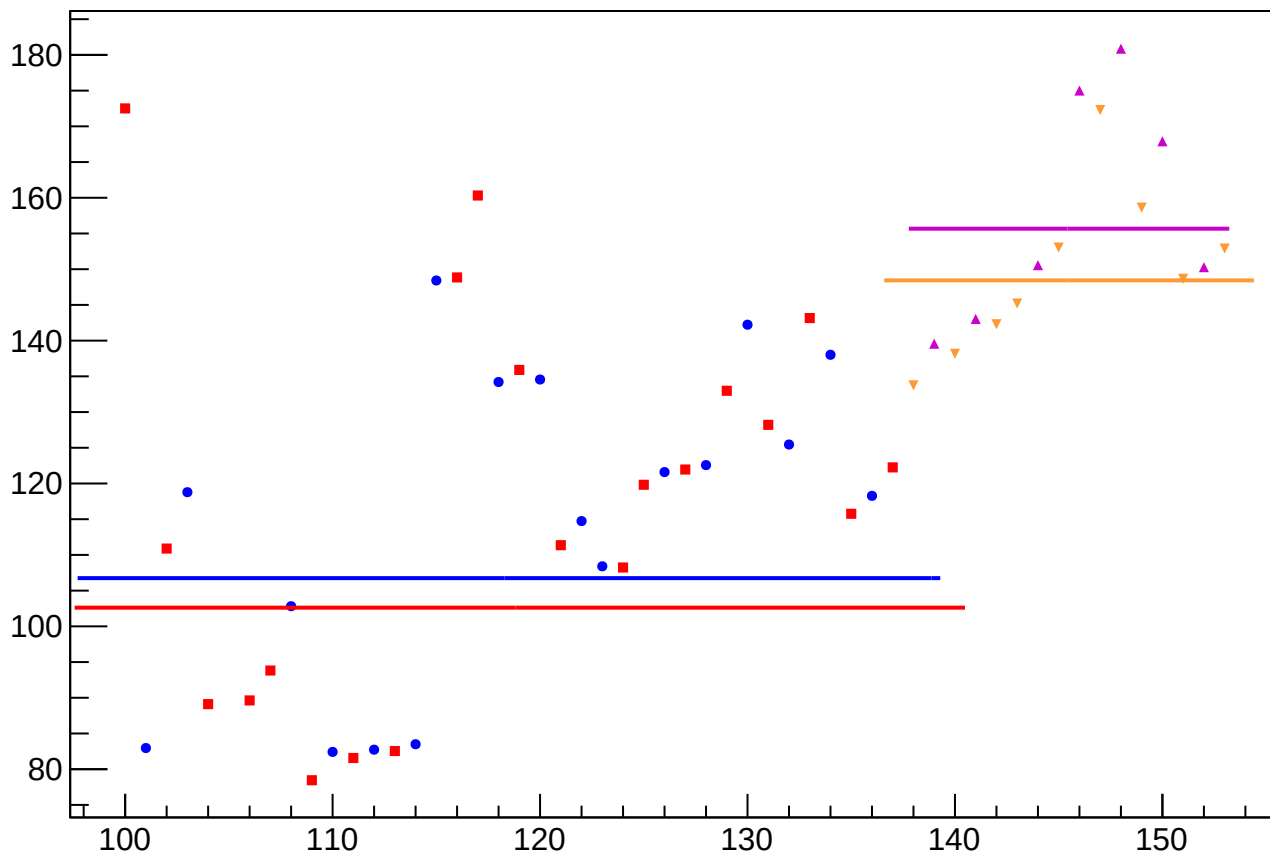
Left In: 379.879 ± 65.277 χ^2/NDF : 4.5/6

49.504 ± 34.169 χ^2/NDF : 57.9/25

80.931 ± 24.009 χ^2/NDF : 110.6/52

111.577 ± 33.742 χ^2/NDF : 51.0/26

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 148.433+/-0.041 χ^2/NDF : 68043.0/8

Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

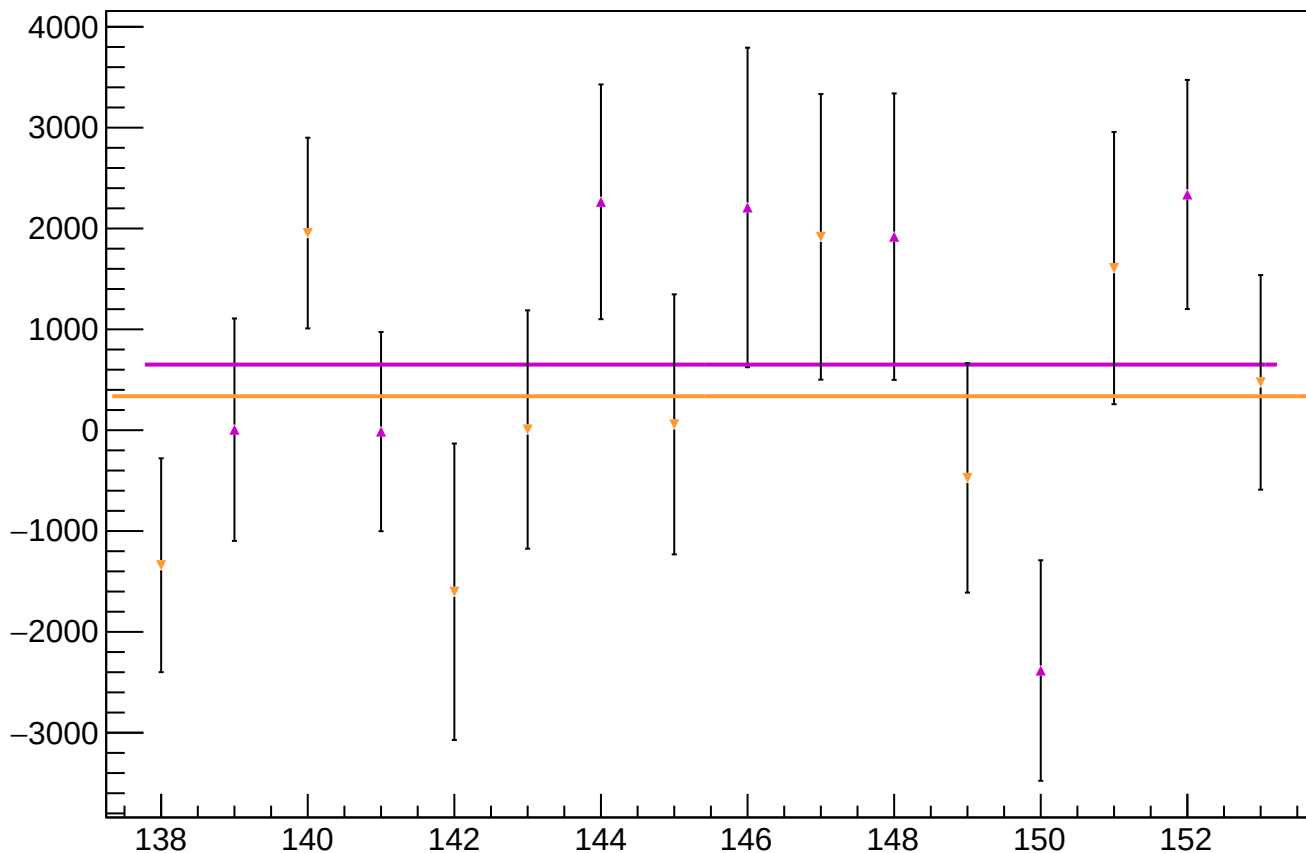
Left In: 155.671+/-0.046 χ^2/NDF : 96958.8/6

121.189+/-0.024 χ^2/NDF : 1243662.3/25

118.962+/-0.017 χ^2/NDF : 2925968.2/52

116.791+/-0.024 χ^2/NDF : 1665532.8/26

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 336.576+/-392.459 χ^2/NDF : 9.9/8

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

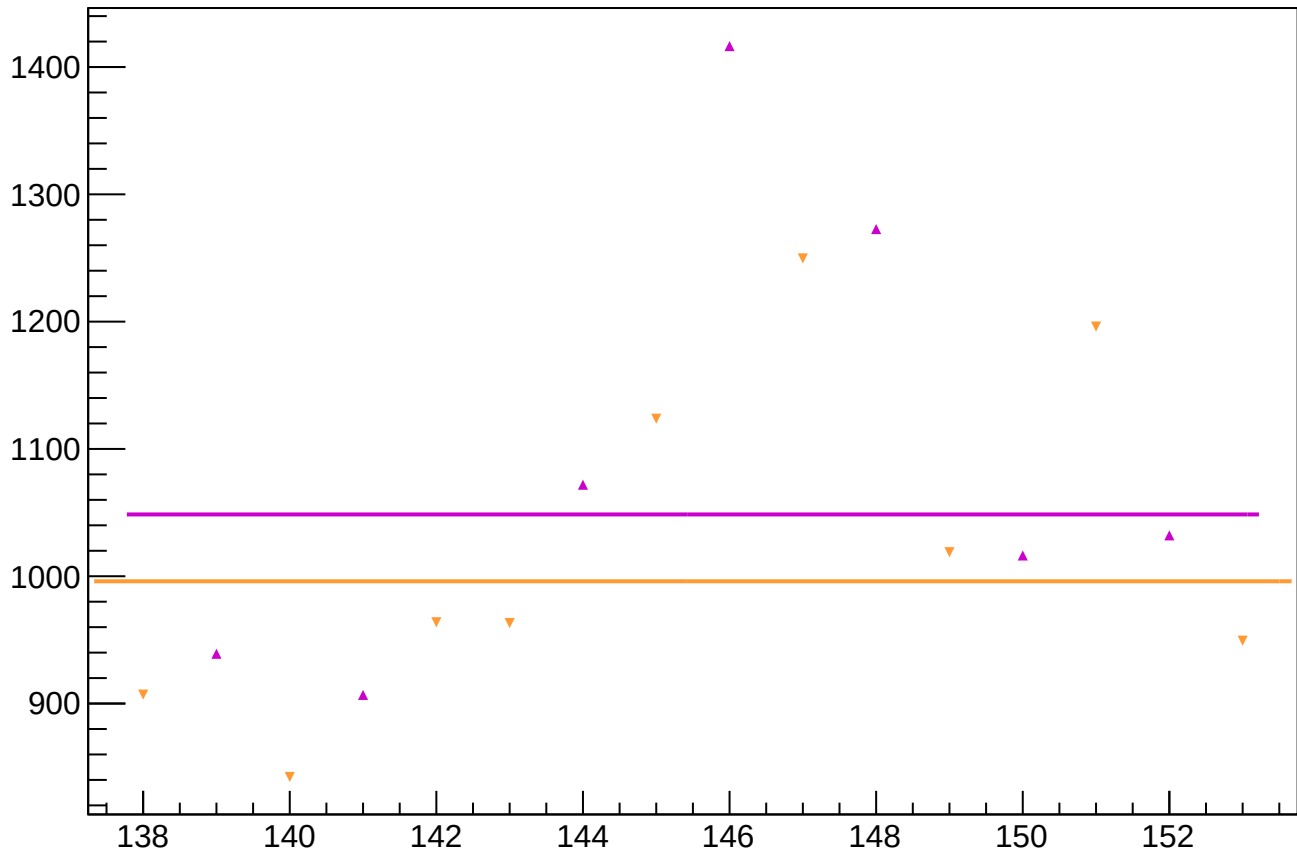
Left In: 650.598+/-443.218 χ^2/NDF : 14.4/6

336.576+/-392.459 χ^2/NDF : 9.9/8

474.584+/-293.825 χ^2/NDF : 24.6/15

650.598+/-443.218 χ^2/NDF : 14.4/6

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 996.046+/-0.278 χ^2/NDF : 201854.2/8

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

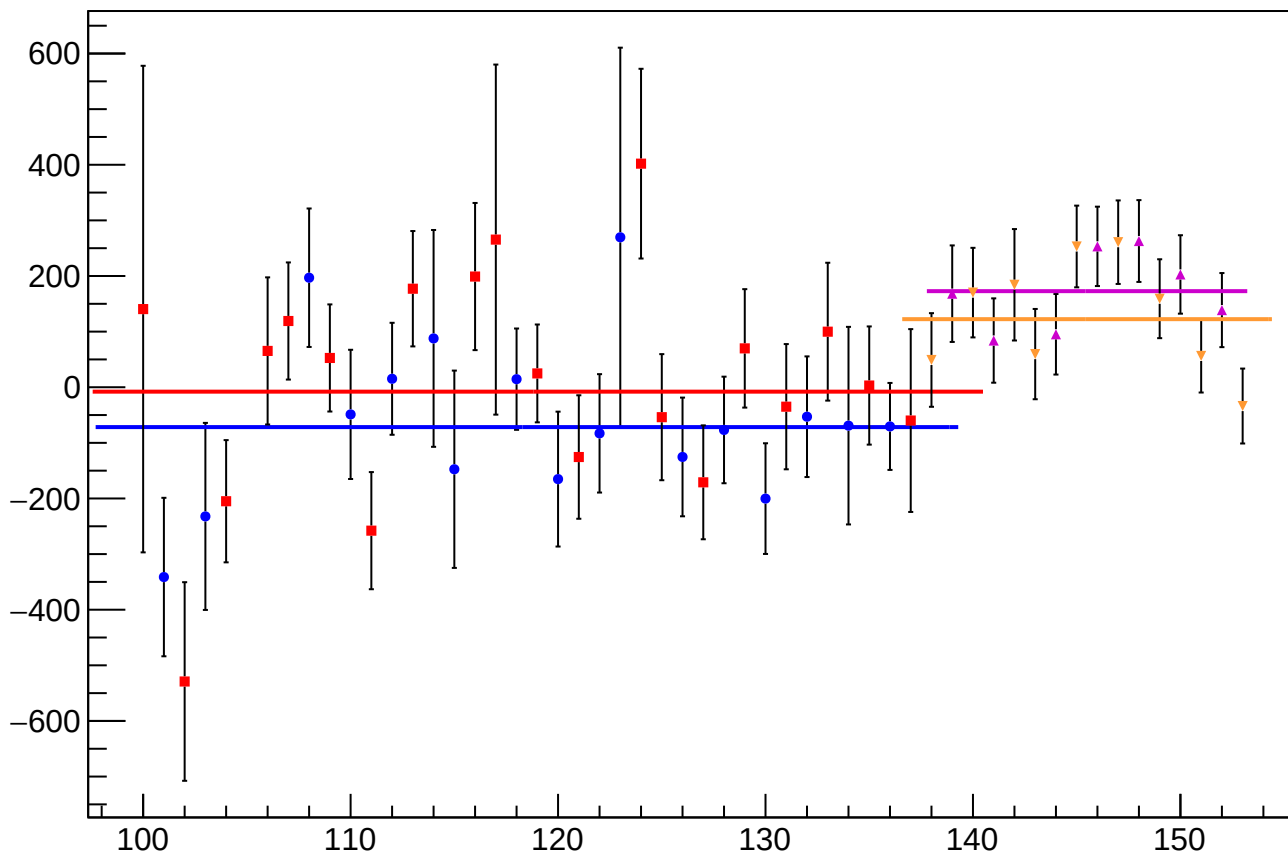
Left In: 1048.546+/-0.313 χ^2/NDF : 221484.8/6

996.046+/-0.278 χ^2/NDF : 201854.2/8

1019.119+/-0.208 χ^2/NDF : 439068.1/15

1048.546+/-0.313 χ^2/NDF : 221484.8/6

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 $\pm$ 28.358 χ^2/NDF : 15.2/16

Left Out: 122.399 $\pm$ 25.320 χ^2/NDF : 15.3/8

Right Out: -7.933 $\pm$ 26.719 χ^2/NDF : 37.2/19

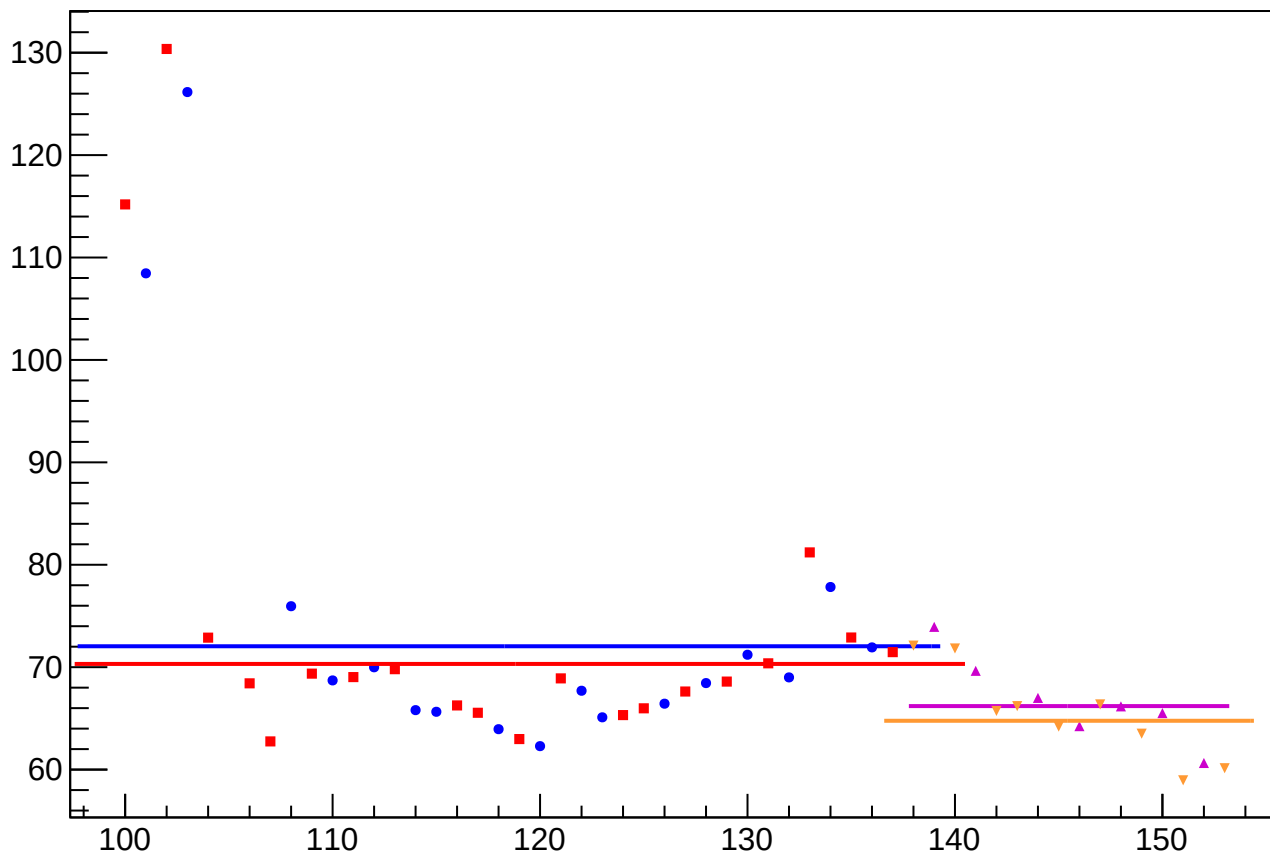
Left In: 172.764 $\pm$ 27.681 χ^2/NDF : 5.7/6

36.314 $\pm$ 18.887 χ^2/NDF : 56.6/25

57.388 $\pm$ 13.473 χ^2/NDF : 124.2/52

79.221 $\pm$ 19.224 χ^2/NDF : 65.0/26

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042+/-0.020 χ^2/NDF : 391971.7/16

Left Out: 64.767+/-0.018 χ^2/NDF : 58125.9/8

Right Out: 70.316+/-0.019 χ^2/NDF : 299468.0/19

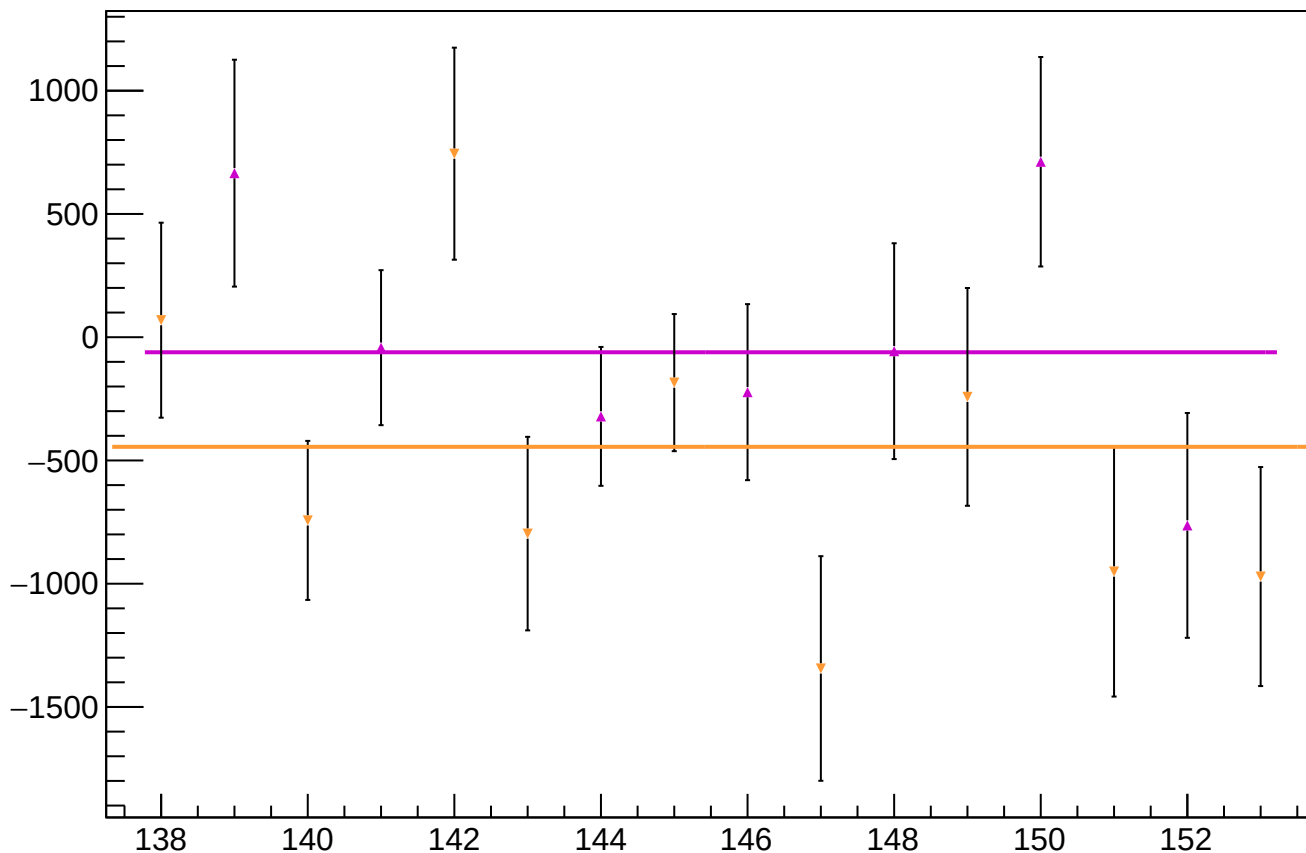
Left In: 66.200+/-0.020 χ^2/NDF : 35873.1/6

67.994+/-0.013 χ^2/NDF : 523349.7/25

68.160+/-0.010 χ^2/NDF : 881893.8/52

68.331+/-0.014 χ^2/NDF : 358231.3/26

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -444.713+/-129.401 χ^2/NDF : 18.4/8

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

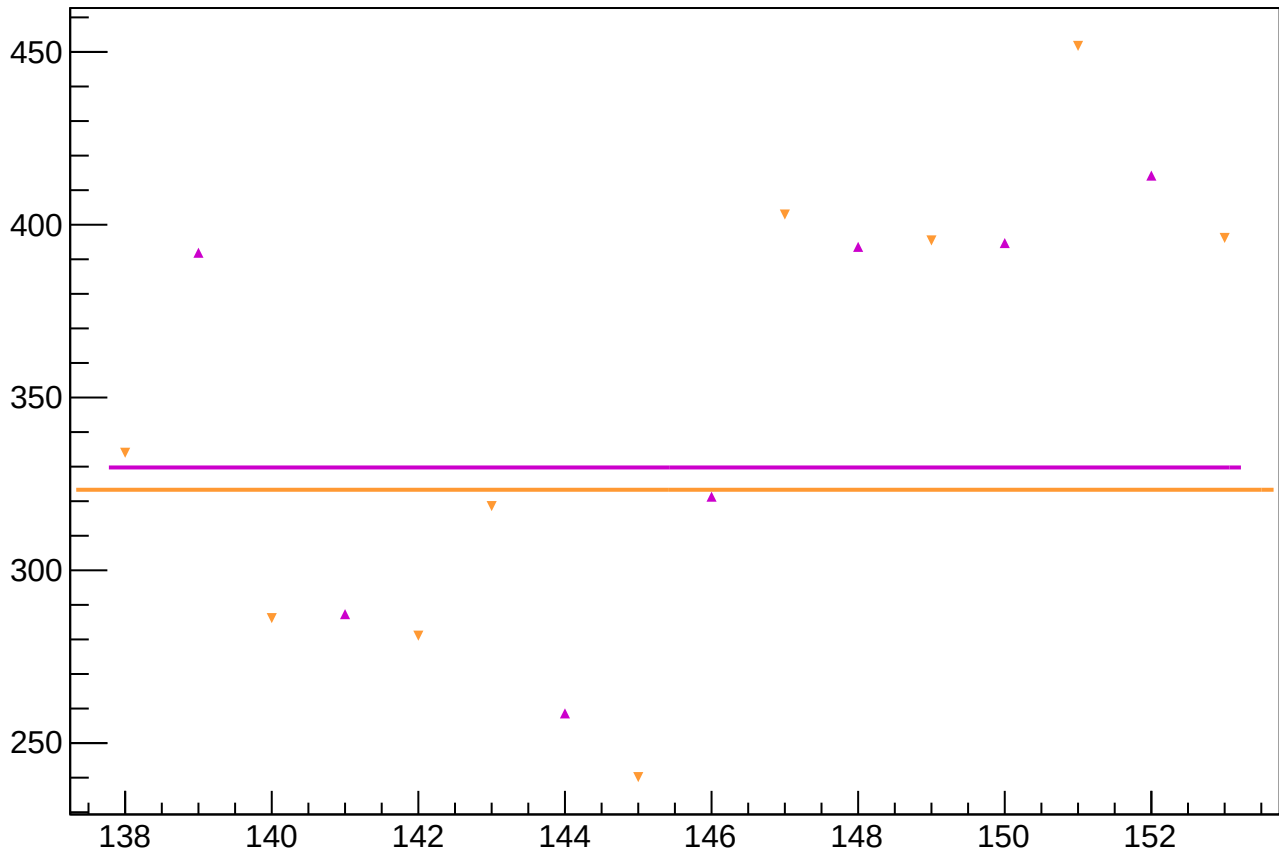
Left In: -61.056+/-140.233 χ^2/NDF : 9.2/6

-444.713+/-129.401 χ^2/NDF : 18.4/8

-268.272+/-95.100 χ^2/NDF : 31.7/15

-61.056+/-140.233 χ^2/NDF : 9.2/6

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 323.309+/-0.092 χ^2/NDF : 522850.6/8

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

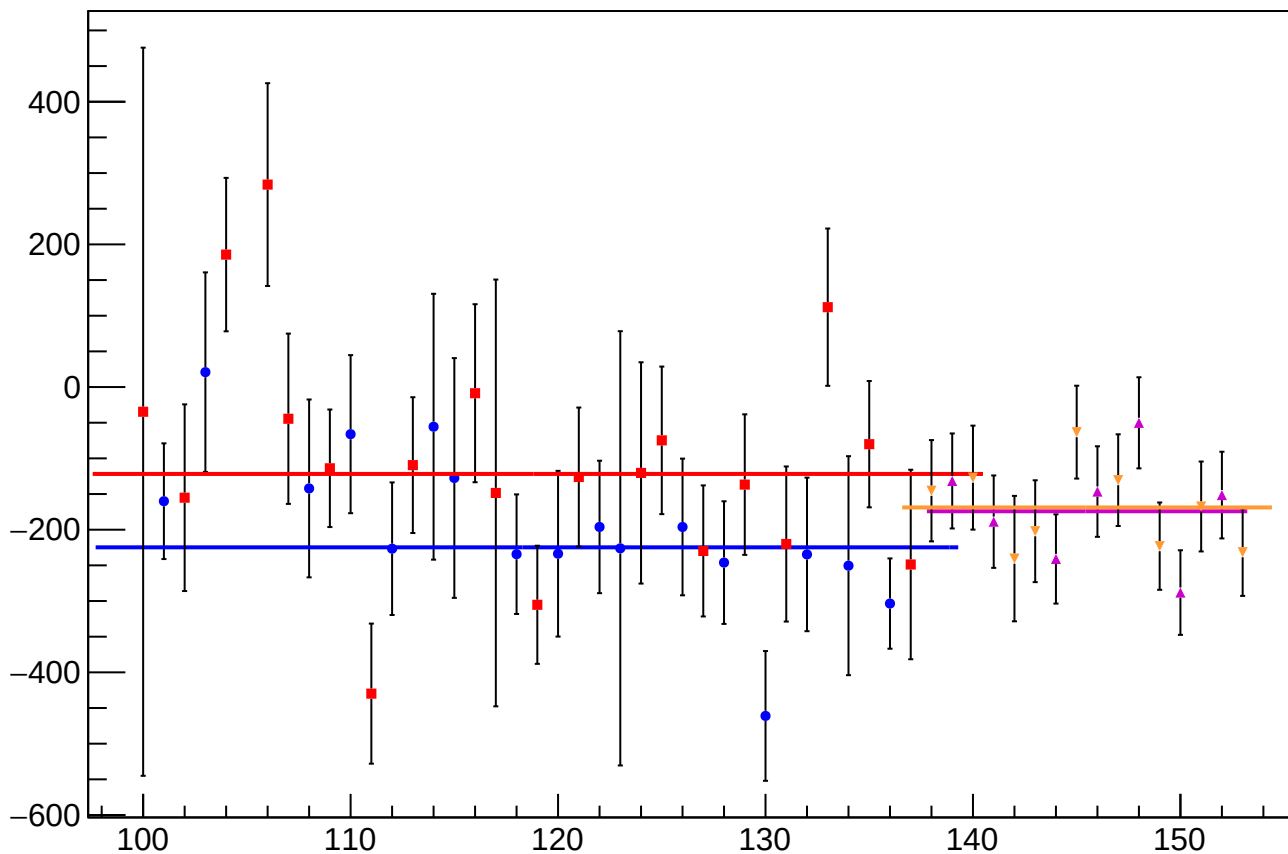
Left In: 329.761+/-0.099 χ^2/NDF : 359510.4/6

323.309+/-0.092 χ^2/NDF : 522850.6/8

326.276+/-0.067 χ^2/NDF : 884647.5/15

329.761+/-0.099 χ^2/NDF : 359510.4/6

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -168.796 ± 22.501 $\chi^2/\text{NDF}: 6.1/8$

Right Out: -121.814 ± 24.516 $\chi^2/\text{NDF}: 40.5/19$

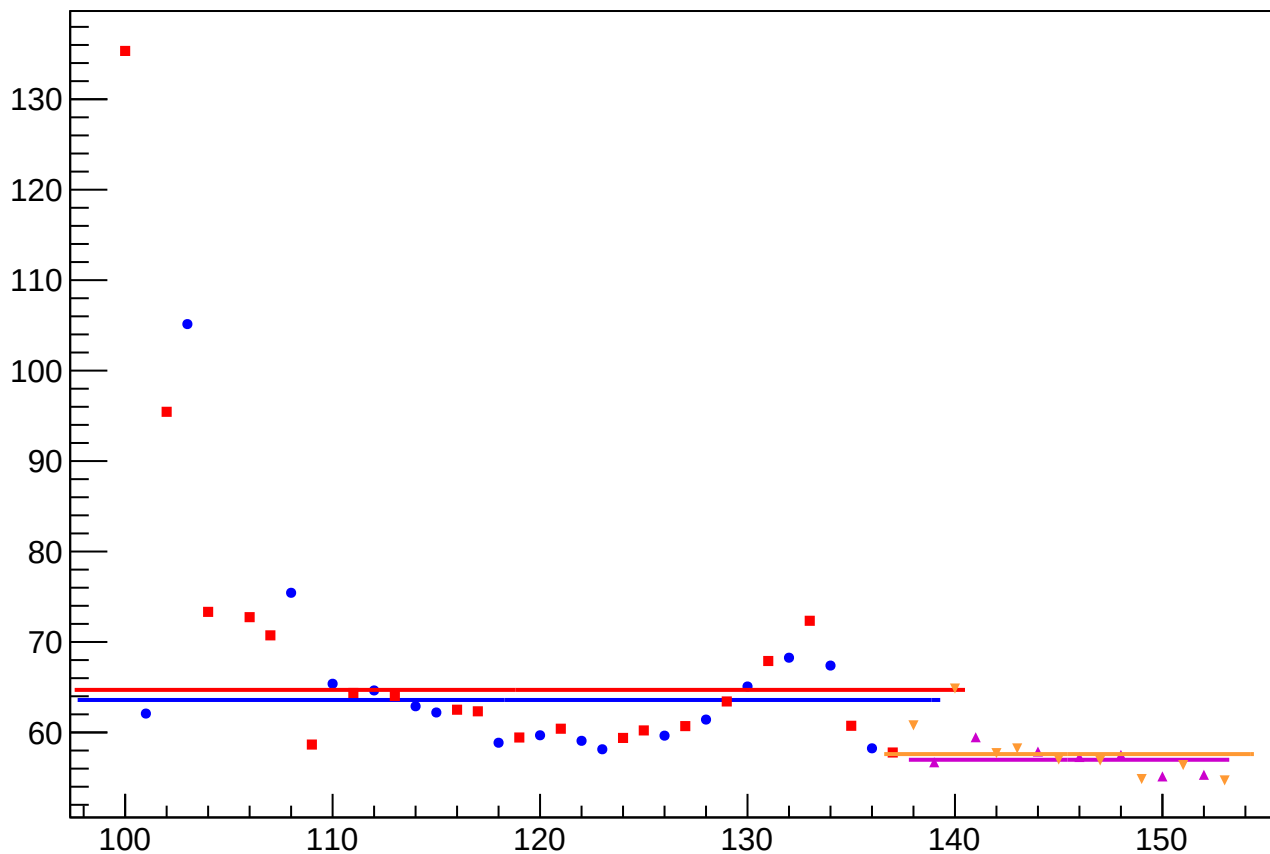
Left In: -174.146 ± 23.785 $\chi^2/\text{NDF}: 9.4/6$

-193.960 ± 16.689 $\chi^2/\text{NDF}: 24.9/25$

-171.878 ± 11.934 $\chi^2/\text{NDF}: 80.7/52$

-148.772 ± 17.071 $\chi^2/\text{NDF}: 52.2/26$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 +/- 0.018 χ^2/NDF : 234601.0/16

Left Out: 57.607 +/- 0.016 χ^2/NDF : 33667.2/8

Right Out: 64.704 +/- 0.017 χ^2/NDF : 227632.6/19

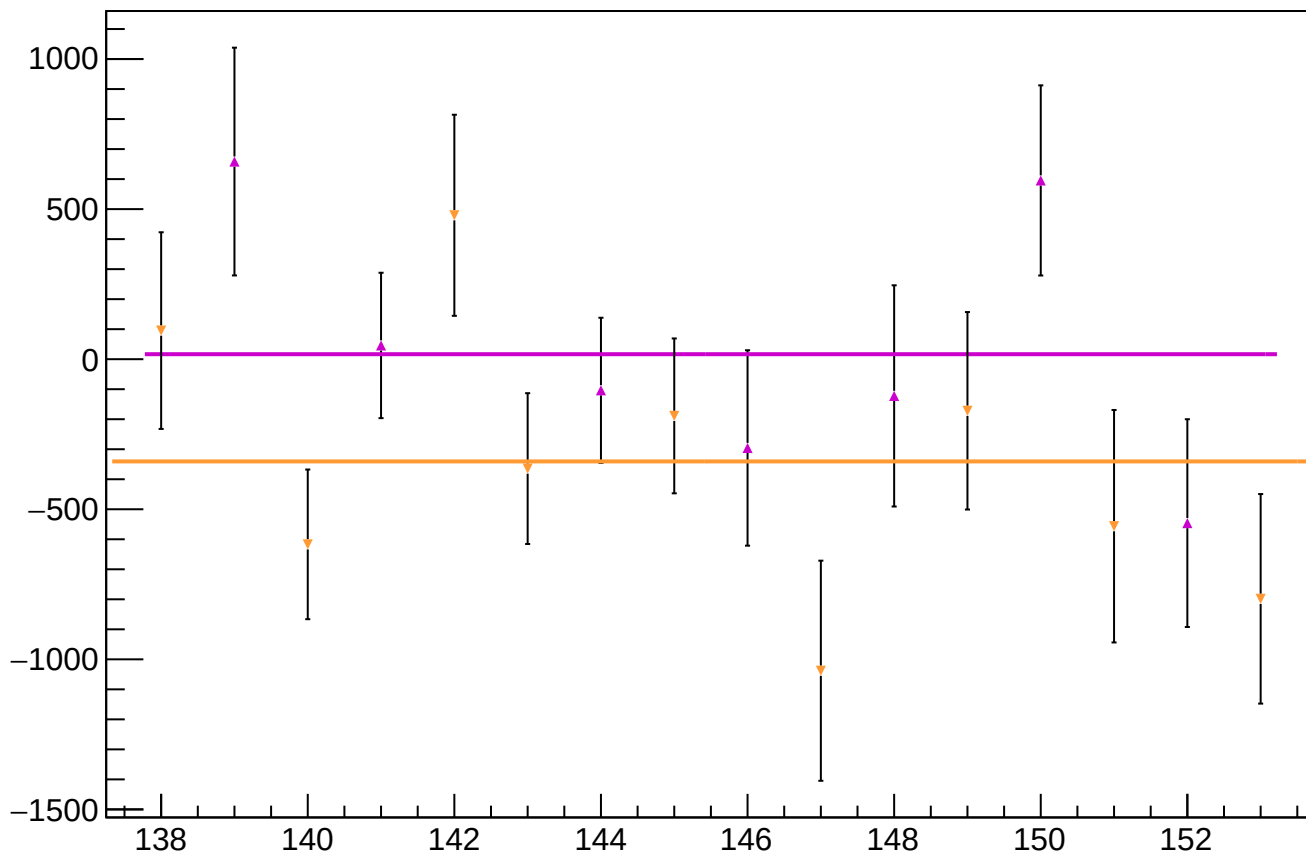
Left In: 56.979 +/- 0.017 χ^2/NDF : 7023.3/6

60.298 +/- 0.012 χ^2/NDF : 331870.7/25

60.507 +/- 0.008 χ^2/NDF : 669457.0/52

60.725 +/- 0.012 χ^2/NDF : 336948.7/26

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -340.605+/-101.676 χ^2/NDF : 15.3/8

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

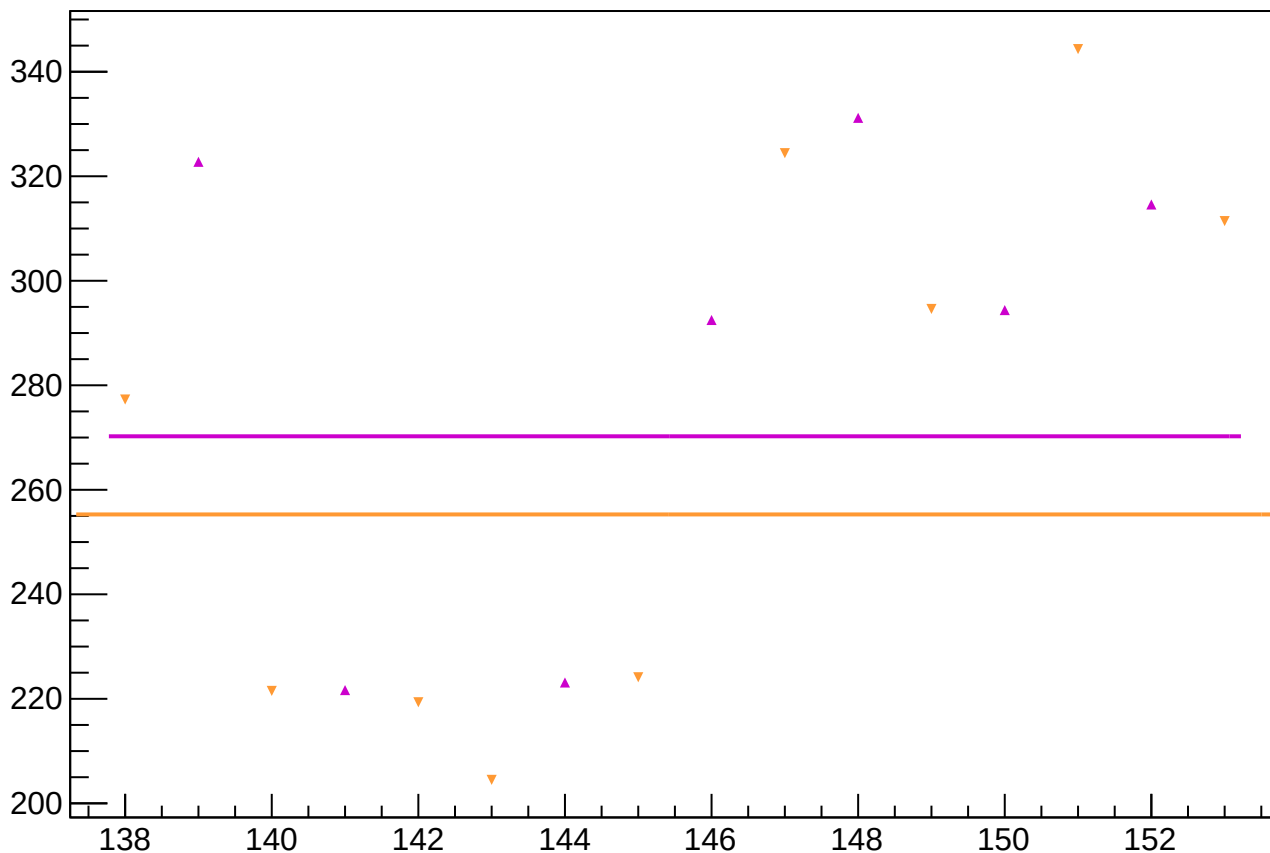
Left In: 16.609+/-114.534 χ^2/NDF : 10.2/6

-340.605+/-101.676 χ^2/NDF : 15.3/8

-183.166+/-76.037 χ^2/NDF : 30.9/15

16.609+/-114.534 χ^2/NDF : 10.2/6

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 255.286+/-0.072 χ^2/NDF : 436782.1/8

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

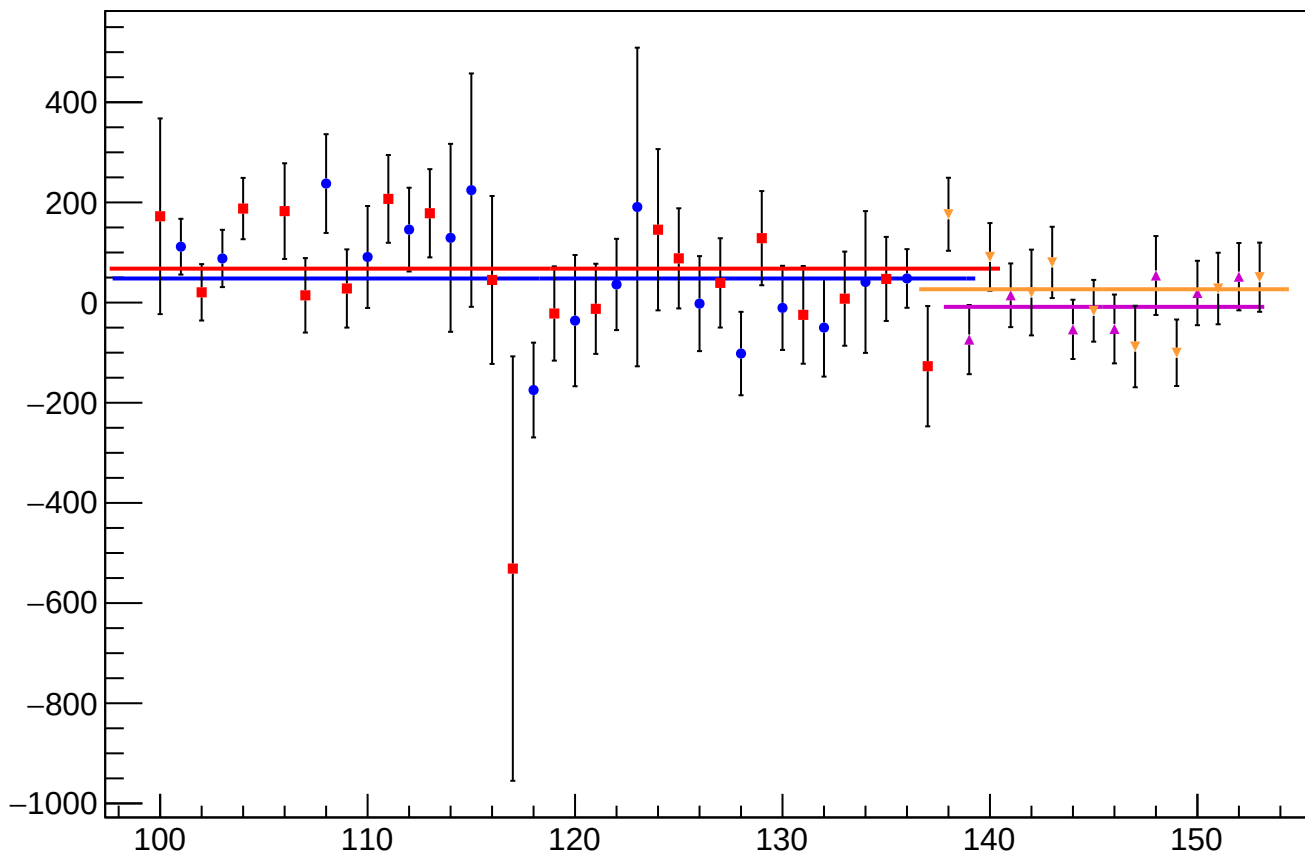
Left In: 270.239+/-0.081 χ^2/NDF : 303301.9/6

255.286+/-0.072 χ^2/NDF : 436782.1/8

261.877+/-0.054 χ^2/NDF : 759148.8/15

270.239+/-0.081 χ^2/NDF : 303301.9/6

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: 26.615 $\pm$ 23.645 χ^2 /NDF:11.9/8

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

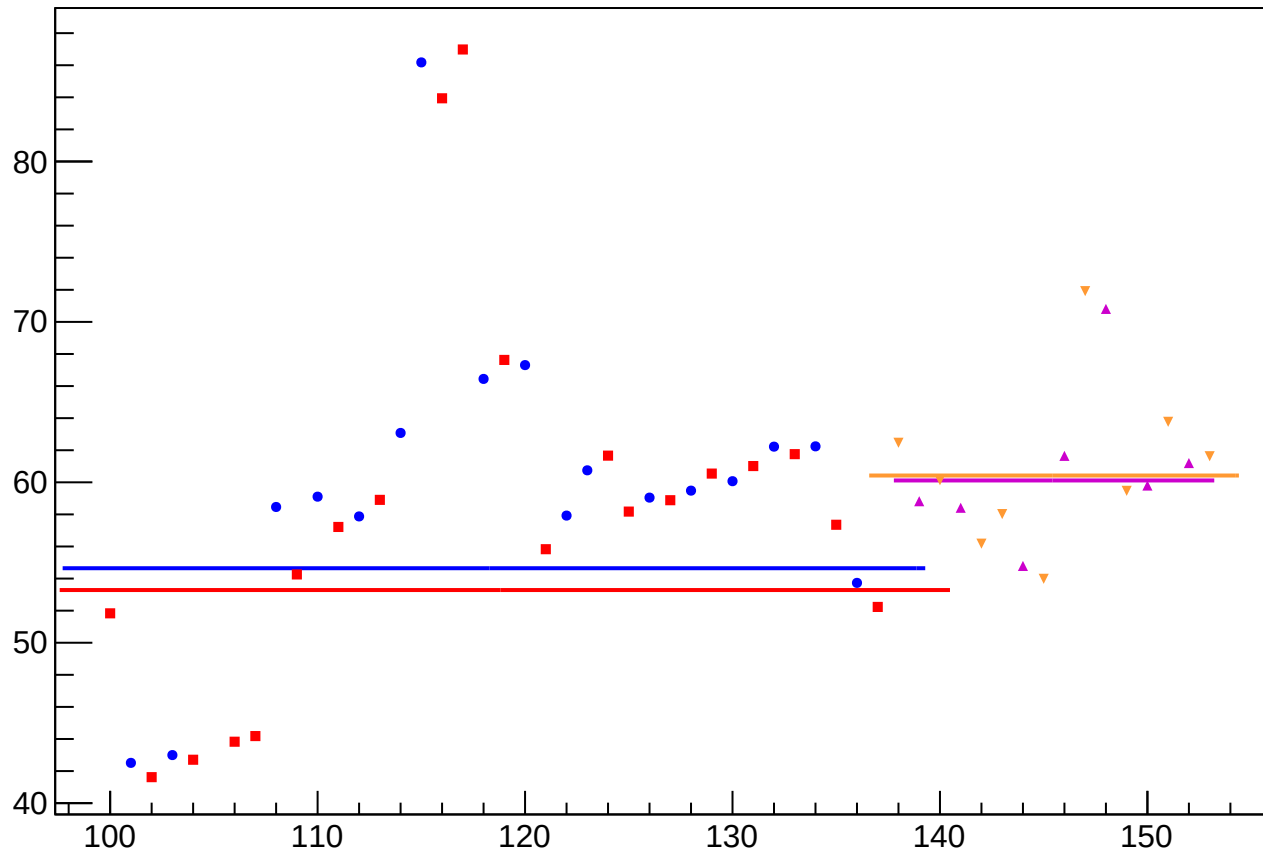
Left In: -8.552 $\pm$ 25.173 χ^2 /NDF:3.6/6

38.376 $\pm$ 15.911 χ^2 /NDF: 31.4/25

37.958 $\pm$ 11.226 χ^2 /NDF: 60.2/52

37.543 $\pm$ 15.841 χ^2 /NDF: 28.8/26

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 60.424+/-0.017 χ^2/NDF : 75985.3/8

Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

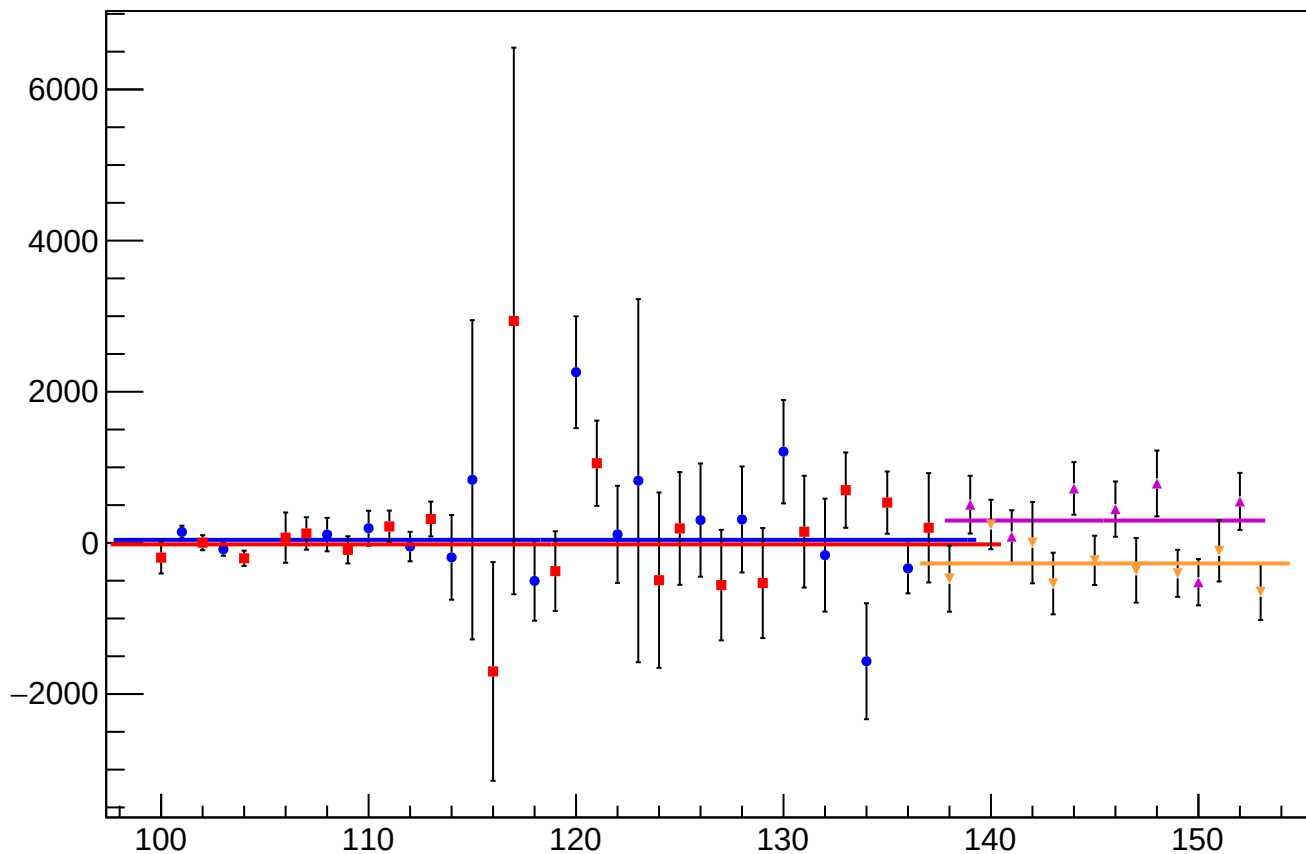
Left In: 60.116+/-0.018 χ^2/NDF : 56775.2/6

57.262+/-0.011 χ^2/NDF : 460662.2/25

56.623+/-0.008 χ^2/NDF : 1011779.5/52

55.990+/-0.011 χ^2/NDF : 544701.9/26

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -271.834+/-126.517 χ^2/NDF : 4.8/8

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

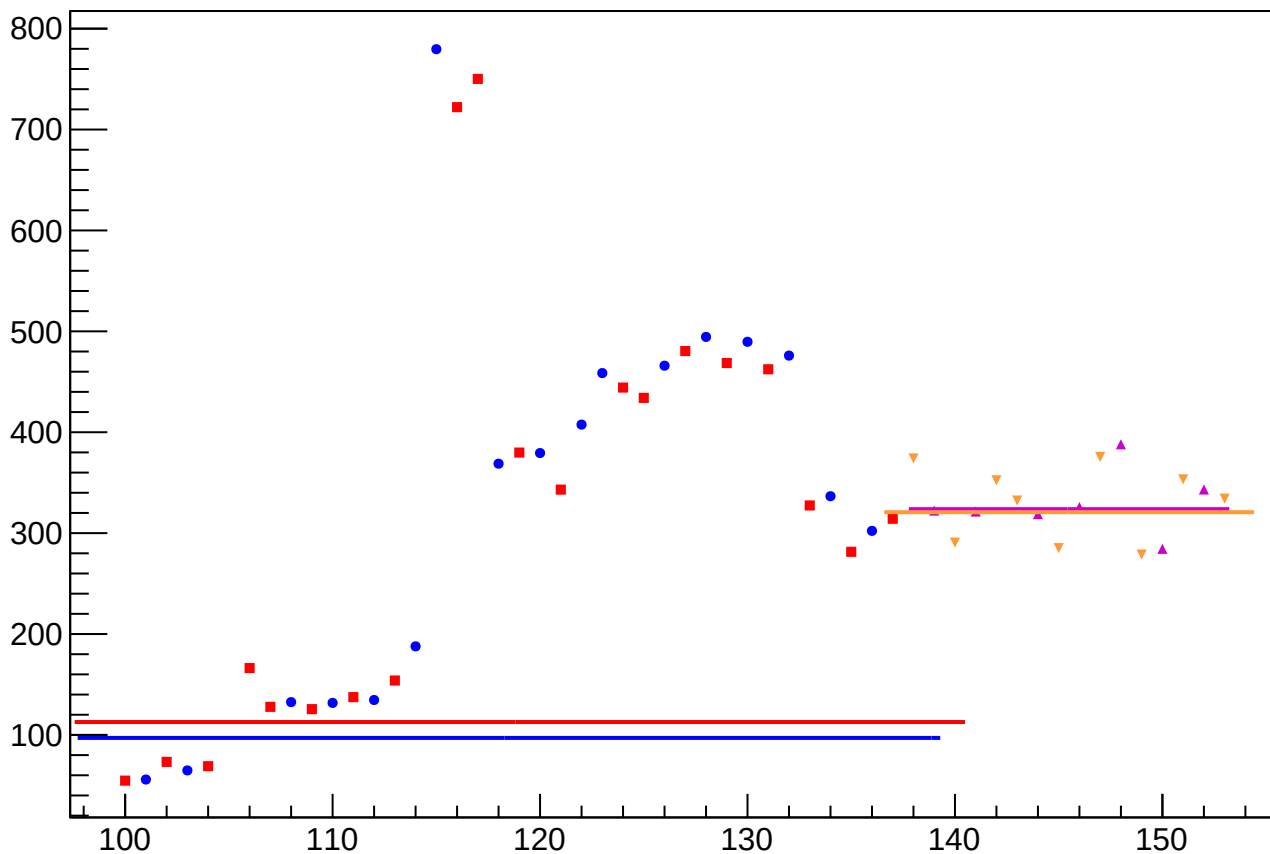
Left In: 295.770+/-136.462 χ^2/NDF : 11.2/6

-4.211+/-47.733 χ^2/NDF : 33.9/25

8.439+/-34.401 χ^2/NDF : 69.4/52

22.109+/-49.622 χ^2/NDF : 35.4/26

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 320.754+/-0.089 χ^2/NDF : 163687.5/8

Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

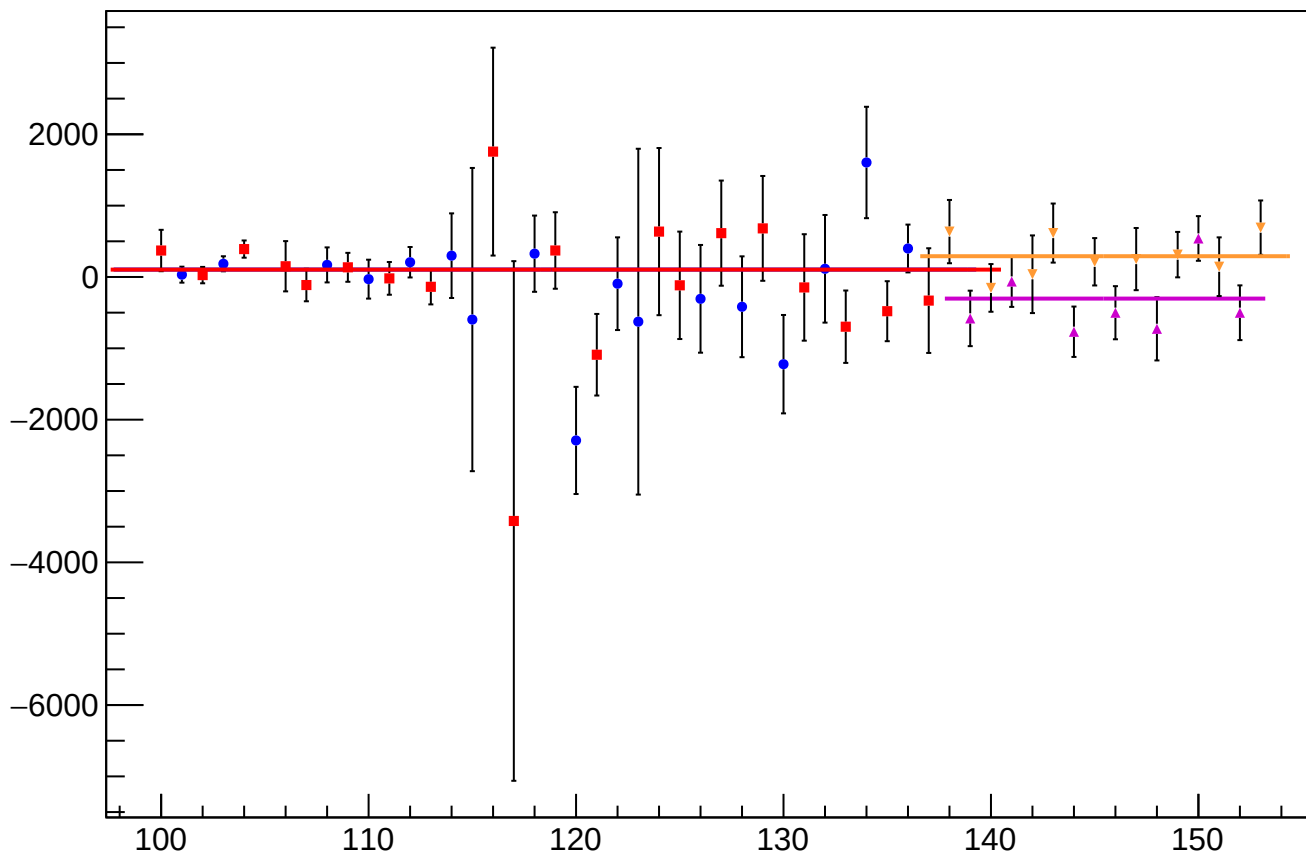
Left In: 323.774+/-0.096 χ^2/NDF : 82333.3/6

128.884+/-0.034 χ^2/NDF : 11346771.2/25

134.558+/-0.024 χ^2/NDF : 20734973.2/52

140.689+/-0.035 χ^2/NDF : 9329405.0/26

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 291.098 $\pm$ 128.830 χ^2 /NDF: 4.5/8

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

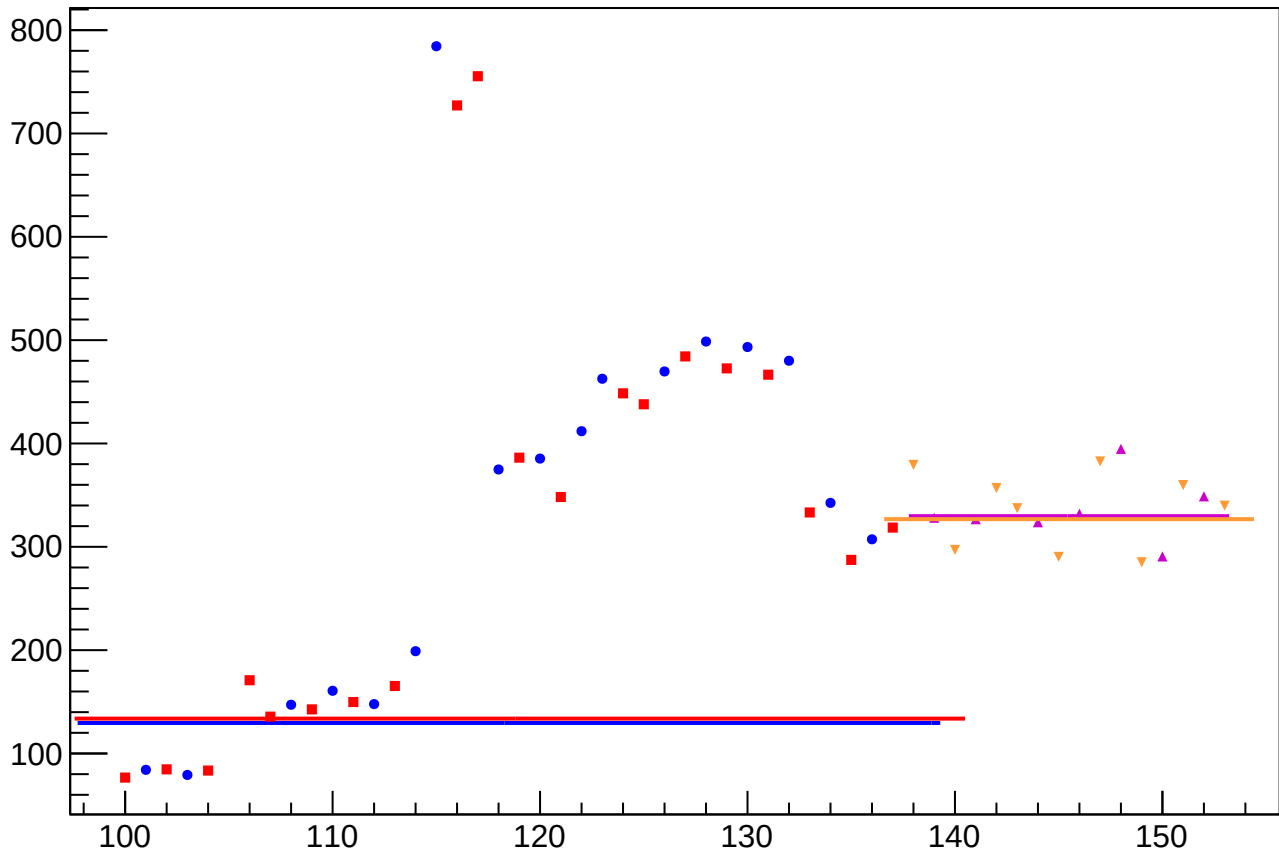
Left In: -302.945 $\pm$ 138.885 χ^2 /NDF: 11.4/6

140.253 $\pm$ 56.709 χ^2 /NDF: 27.5/25

88.117 $\pm$ 39.750 χ^2 /NDF: 70.0/52

37.758 $\pm$ 55.734 χ^2 /NDF: 40.9/26

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 +/- 0.045 χ^2/NDF : 4772450.4/16

Left Out: 326.781 +/- 0.091 χ^2/NDF : 157869.1/8

Right Out: 133.766 +/- 0.043 χ^2/NDF : 4424544.5/19

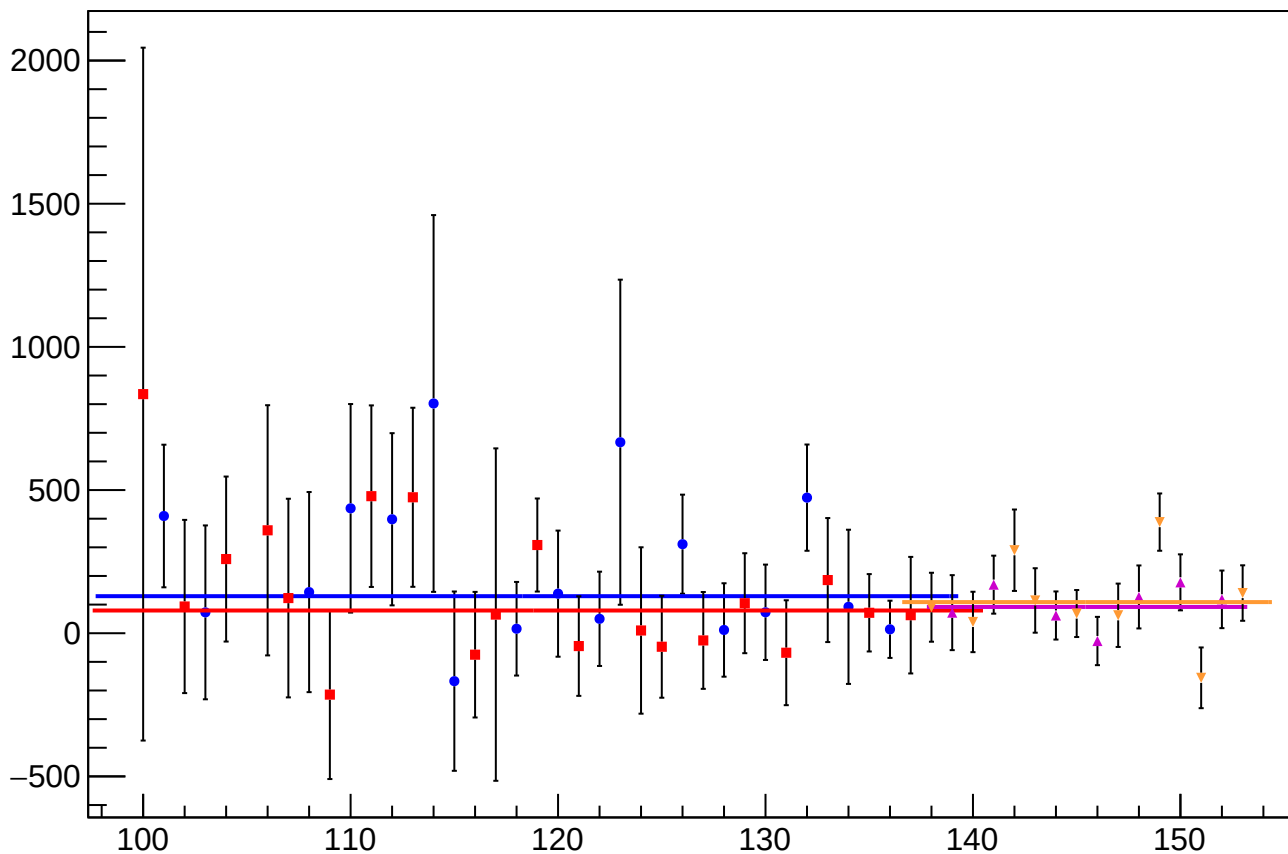
Left In: 329.664 +/- 0.098 χ^2/NDF : 79895.1/6

167.767 +/- 0.040 χ^2/NDF : 8709558.0/25

166.519 +/- 0.028 χ^2/NDF : 16554151.4/52

165.313 +/- 0.039 χ^2/NDF : 7842688.8/26

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: 108.743 $\pm$ 35.075 χ^2 /NDF:16.6/8

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

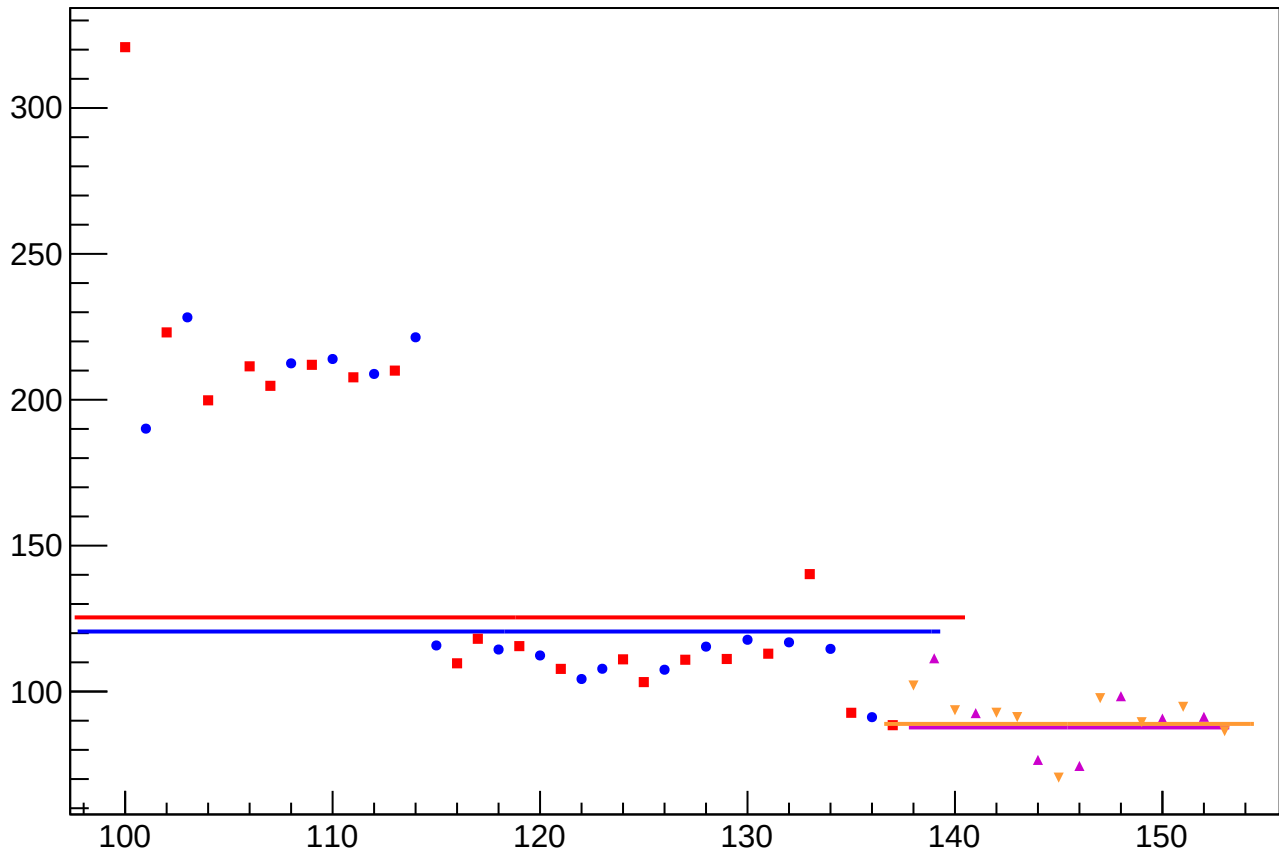
Left In: 91.737 $\pm$ 37.159 χ^2 /NDF:3.7/6

115.718 $\pm$ 28.545 χ^2 /NDF: 29.6/25

102.104 $\pm$ 20.601 χ^2 /NDF: 44.1/52

87.305 $\pm$ 29.761 χ^2 /NDF: 13.9/26

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 +/- 0.035 χ^2/NDF : 1112076.4/16

Left Out: 88.901 +/- 0.025 χ^2/NDF : 151029.4/8

Right Out: 125.404 +/- 0.035 χ^2/NDF : 1334075.7/19

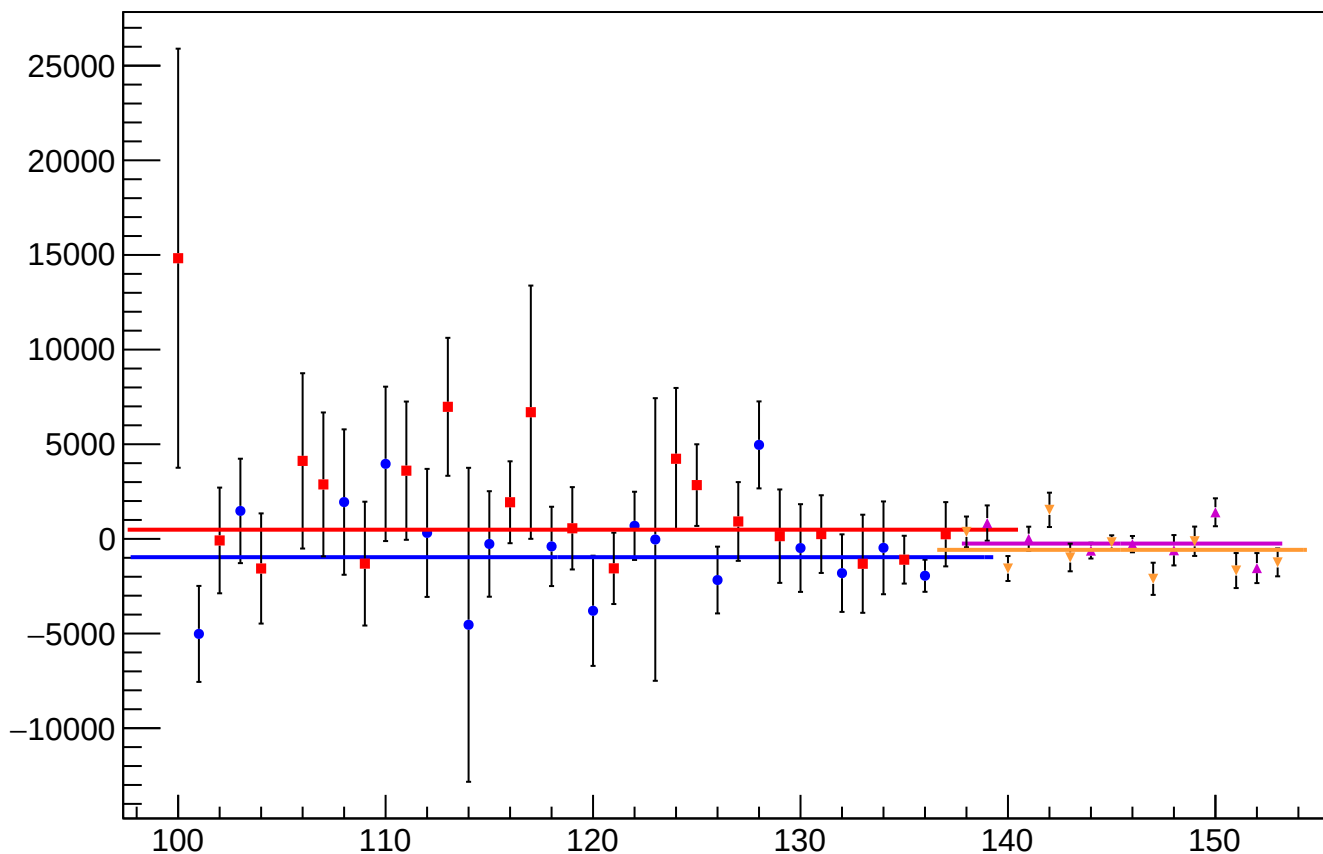
Left In: 87.683 +/- 0.026 χ^2/NDF : 177784.1/6

99.594 +/- 0.020 χ^2/NDF : 1813517.0/25

100.367 +/- 0.015 χ^2/NDF : 4067392.9/52

101.208 +/- 0.021 χ^2/NDF : 2250811.9/26

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587 $\pm$ 512.340 χ^2 /NDF: 16.4/16

Left Out: -579.192 $\pm$ 222.358 χ^2 /NDF:16.3/8

Right Out: 485.654 $\pm$ 543.567 χ^2 /NDF: 14.3/19

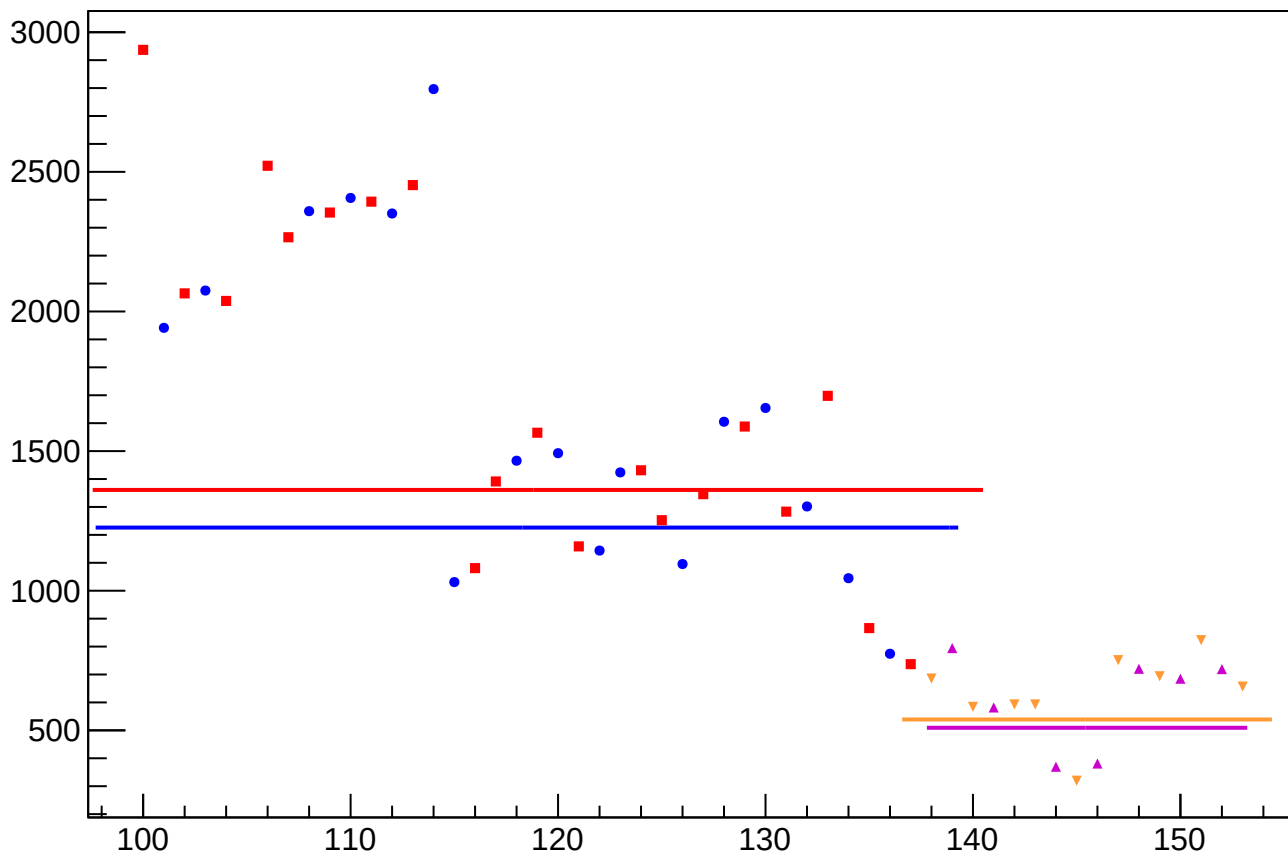
Left In: -247.870 $\pm$ 225.108 χ^2 /NDF:10.2/6

-640.596 $\pm$ 203.976 χ^2 /NDF: 33.1/25

-395.399 $\pm$ 145.627 χ^2 /NDF: 62.1/52

-140.484 $\pm$ 207.979 χ^2 /NDF: 26.0/26

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 538.903+/-0.157 χ^2/NDF : 1235630.0/8

Right Out: 1360.972+/-0.384 χ^2/NDF : 1749116.2/19

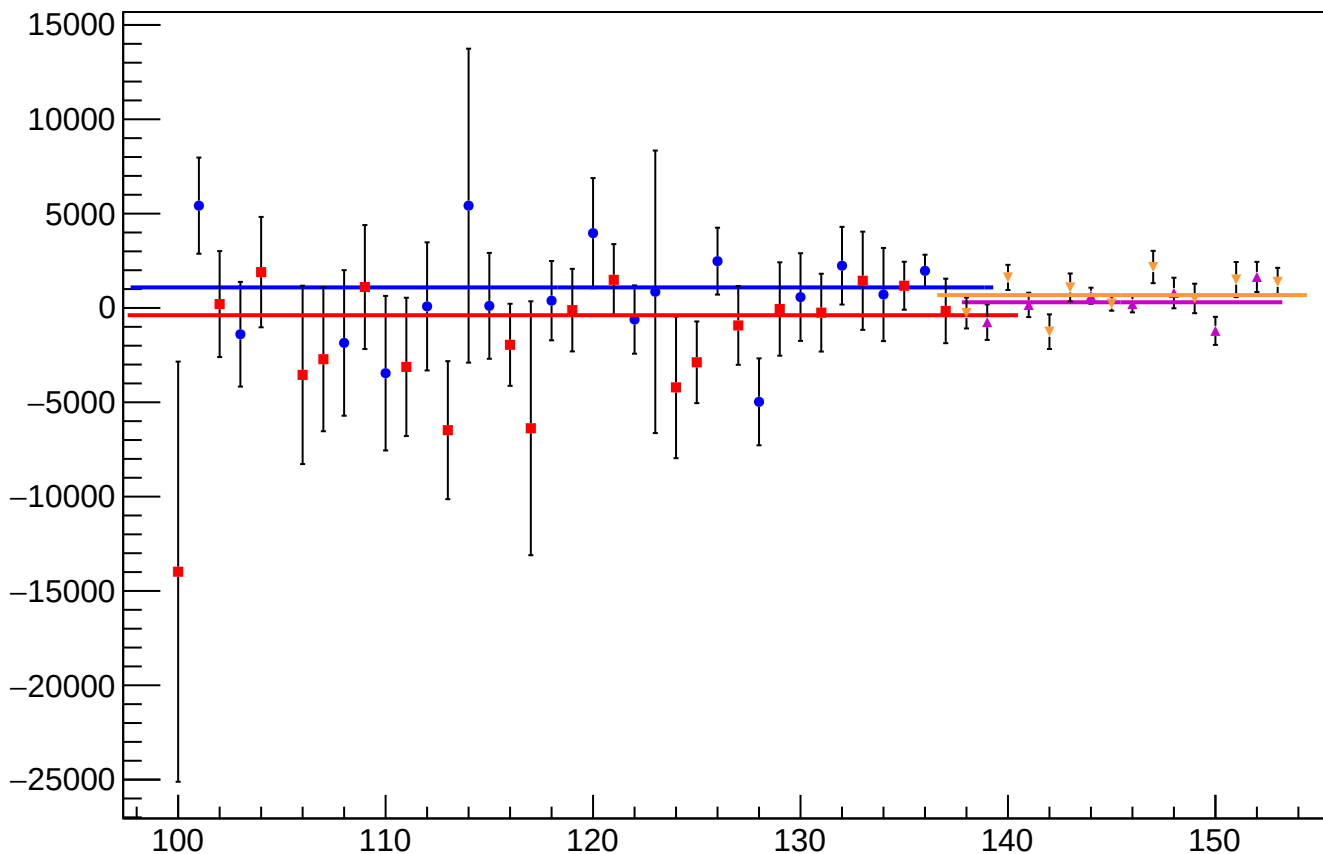
Left In: 509.233+/-0.159 χ^2/NDF : 1006011.0/6

647.832+/-0.144 χ^2/NDF : 6020062.5/25

641.014+/-0.103 χ^2/NDF : 12971461.7/52

633.925+/-0.147 χ^2/NDF : 6946841.2/26

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 682.300 $\pm$ 225.910 χ^2 /NDF: 14.2/8

Right Out: -385.391 $\pm$ 546.382 χ^2 /NDF: 13.3/19

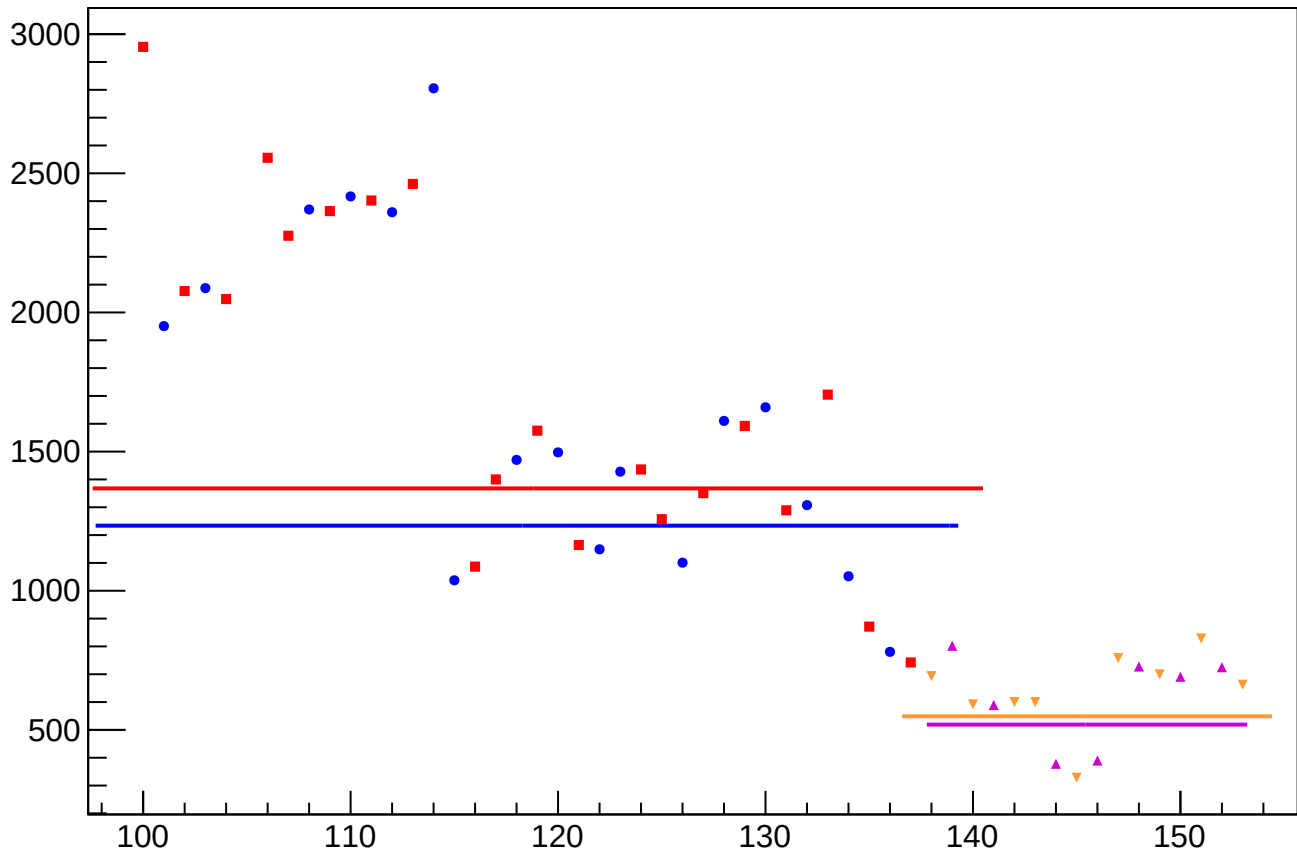
Left In: 301.996 $\pm$ 228.937 χ^2 /NDF: 9.3/6

747.882 $\pm$ 206.898 χ^2 /NDF: 31.6/25

479.189 $\pm$ 147.780 χ^2 /NDF: 59.1/52

199.338 $\pm$ 211.150 χ^2 /NDF: 24.0/26

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 $\pm$ 0.364 χ^2 /NDF: 1744048.5/16

Left Out: 548.903 $\pm$ 0.160 χ^2 /NDF: 1177806.1/8

Right Out: 1367.823 $\pm$ 0.386 χ^2 /NDF: 1744640.3/19

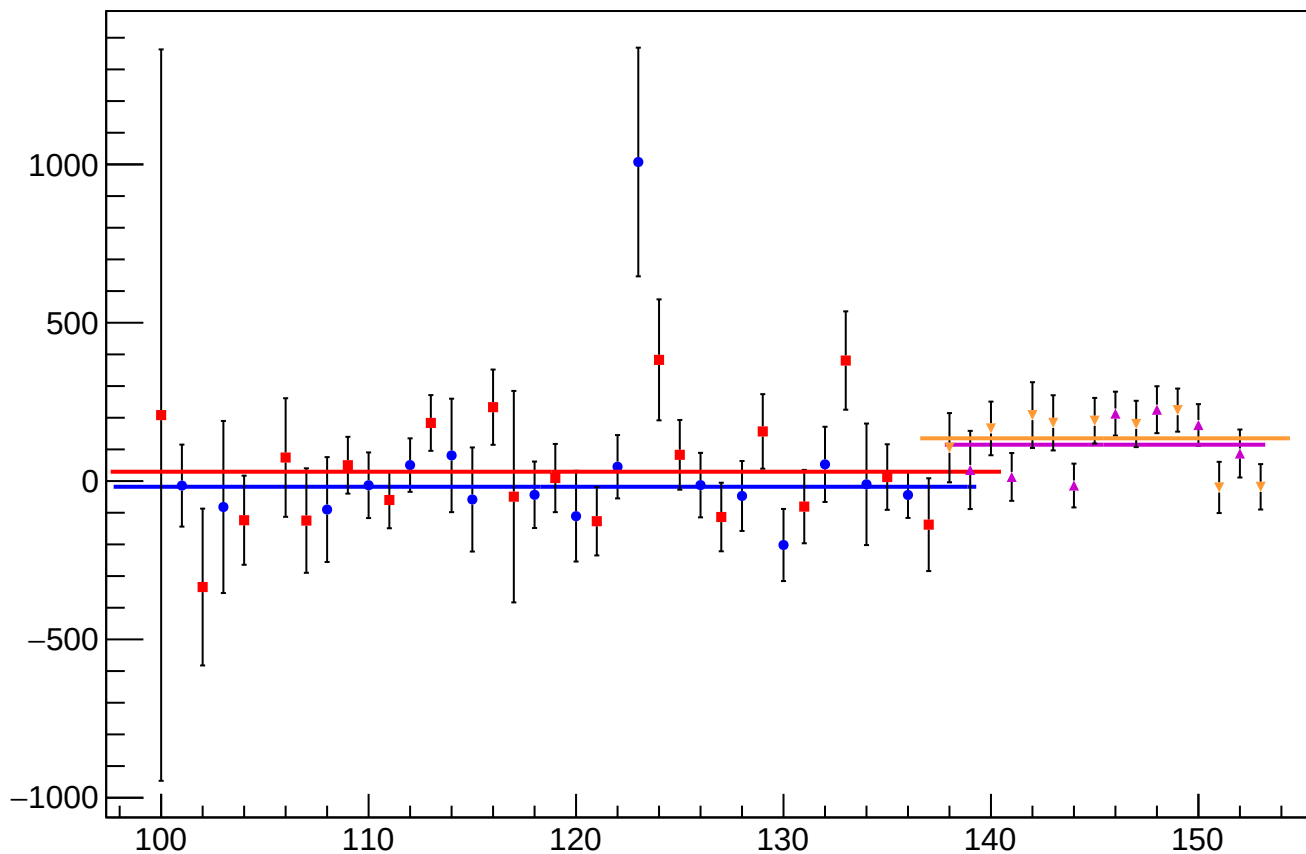
Left In: 519.007 $\pm$ 0.162 χ^2 /NDF: 966388.5/6

659.337 $\pm$ 0.146 χ^2 /NDF: 5886215.9/25

652.693 $\pm$ 0.104 χ^2 /NDF: 12707446.1/52

645.773 $\pm$ 0.149 χ^2 /NDF: 6817019.5/26

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 135.044 ± 26.812 $\chi^2/\text{NDF}: 12.0/8$

Right Out: 29.517 ± 27.879 $\chi^2/\text{NDF}: 27.5/19$

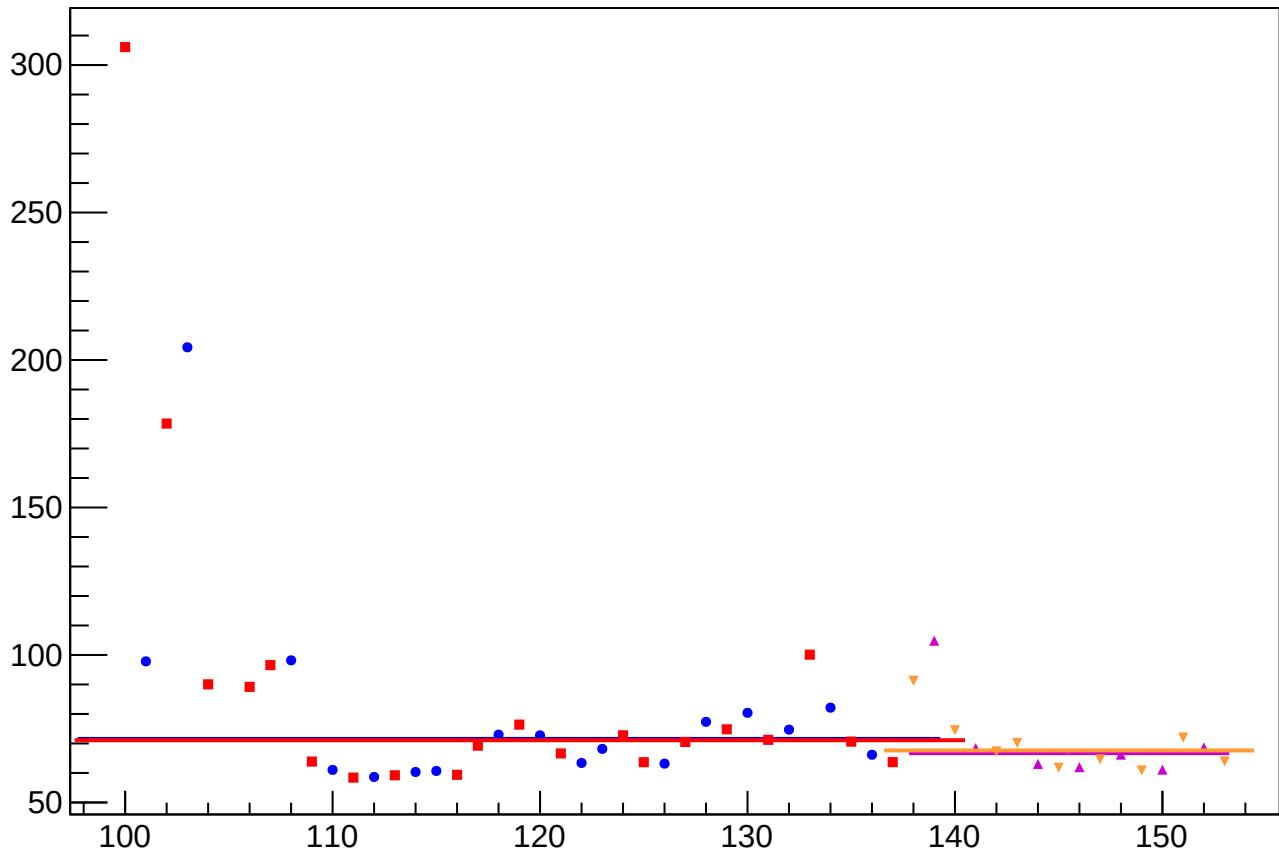
Left In: 114.829 ± 28.331 $\chi^2/\text{NDF}: 11.0/6$

64.124 ± 19.639 $\chi^2/\text{NDF}: 40.4/25$

67.762 ± 13.968 $\chi^2/\text{NDF}: 83.5/52$

71.487 ± 19.871 $\chi^2/\text{NDF}: 43.0/26$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 67.640 $\pm$ 0.019 χ^2 /NDF: 156066.8/8

Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

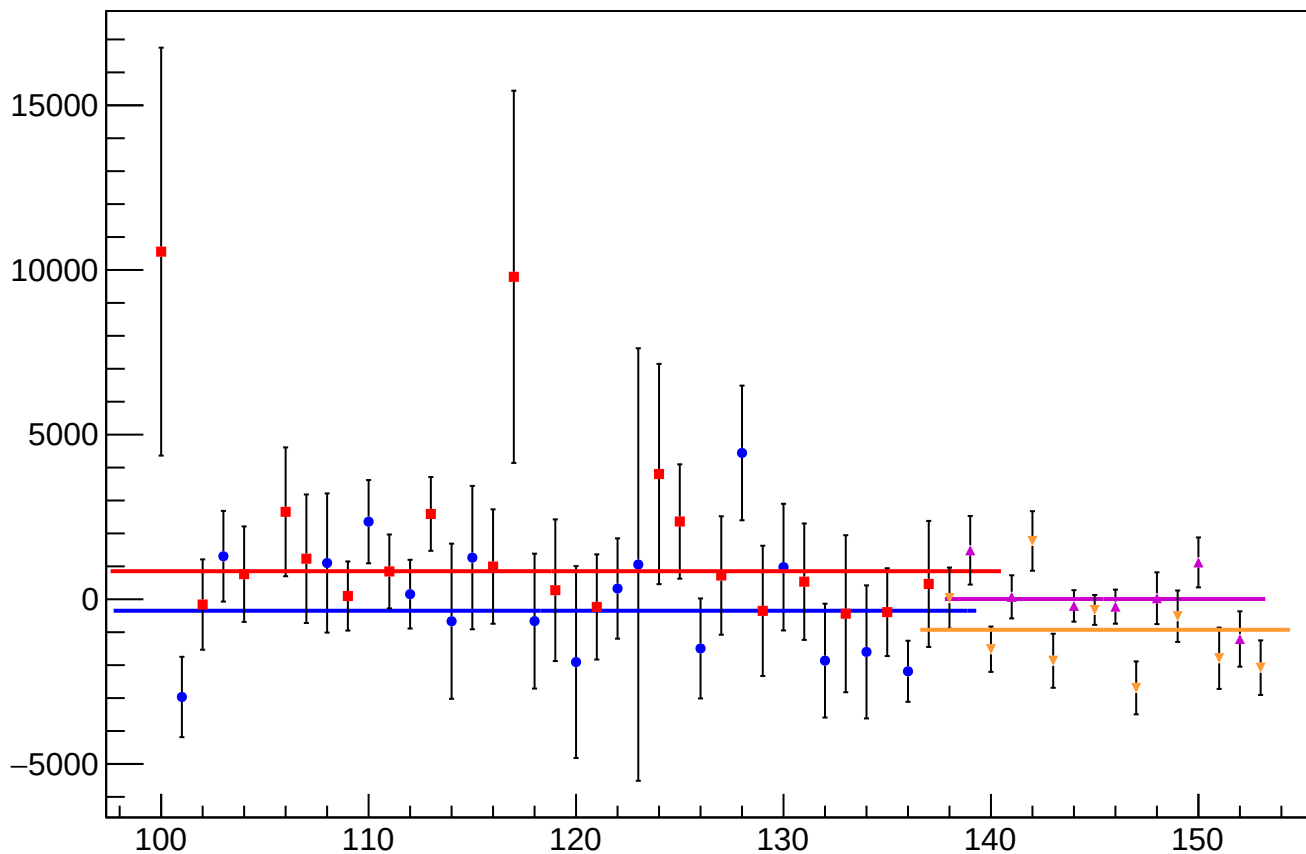
Left In: 66.731 $\pm$ 0.020 χ^2 /NDF: 222546.5/6

69.446 $\pm$ 0.014 χ^2 /NDF: 934595.7/25

69.202 $\pm$ 0.010 χ^2 /NDF: 1947178.7/52

68.952 $\pm$ 0.014 χ^2 /NDF: 1011957.0/26

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -926.747+/-245.053 χ^2/NDF : 21.7/8

Right Out: 852.433+/-369.018 χ^2/NDF : 13.0/19

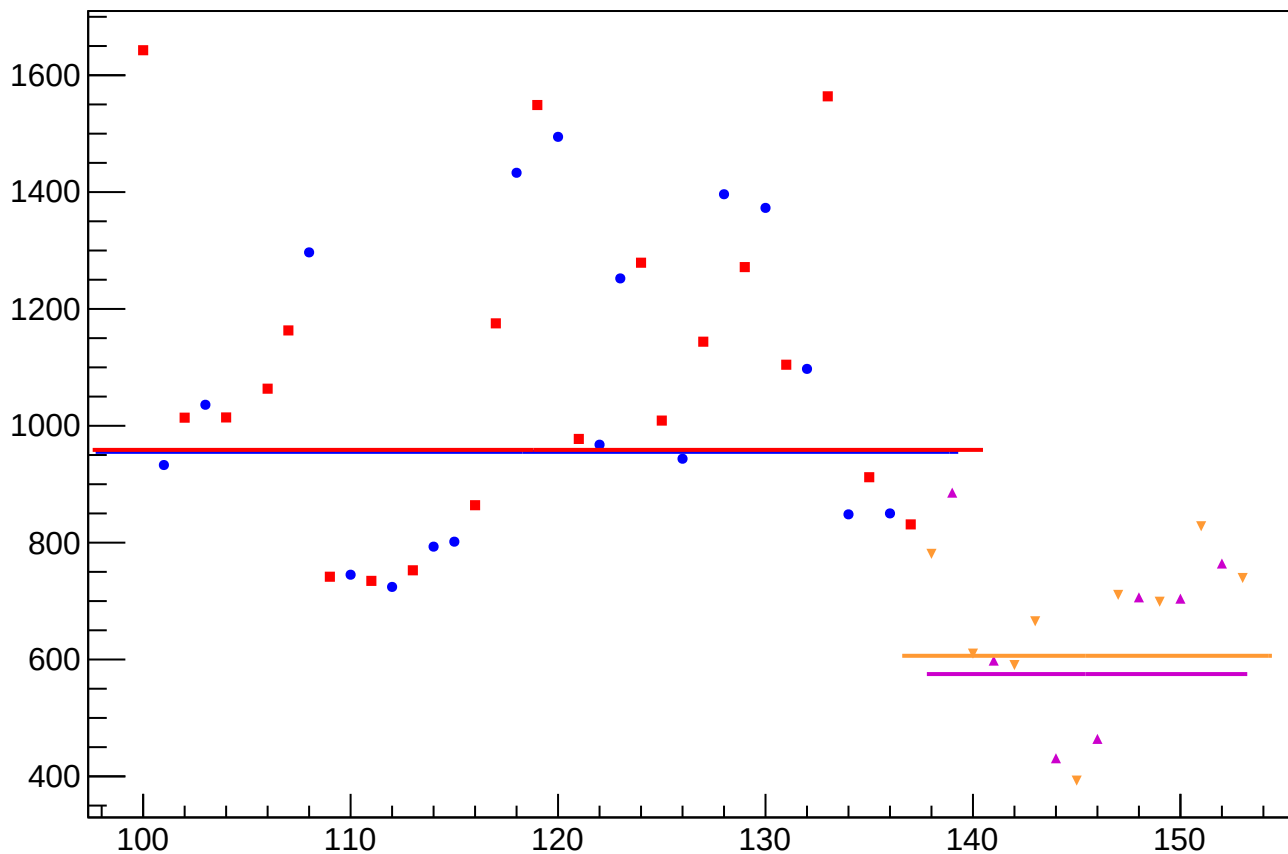
Left In: 8.031+/-249.053 χ^2/NDF : 6.6/6

-757.994+/-206.259 χ^2/NDF : 47.4/25

-243.294+/-145.910 χ^2/NDF : 83.1/52

272.288+/-206.436 χ^2/NDF : 23.3/26

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 606.369 $\pm$ 0.173 χ^2 /NDF: 753544.5/8

Right Out: 958.776 $\pm$ 0.261 χ^2 /NDF: 696031.2/19

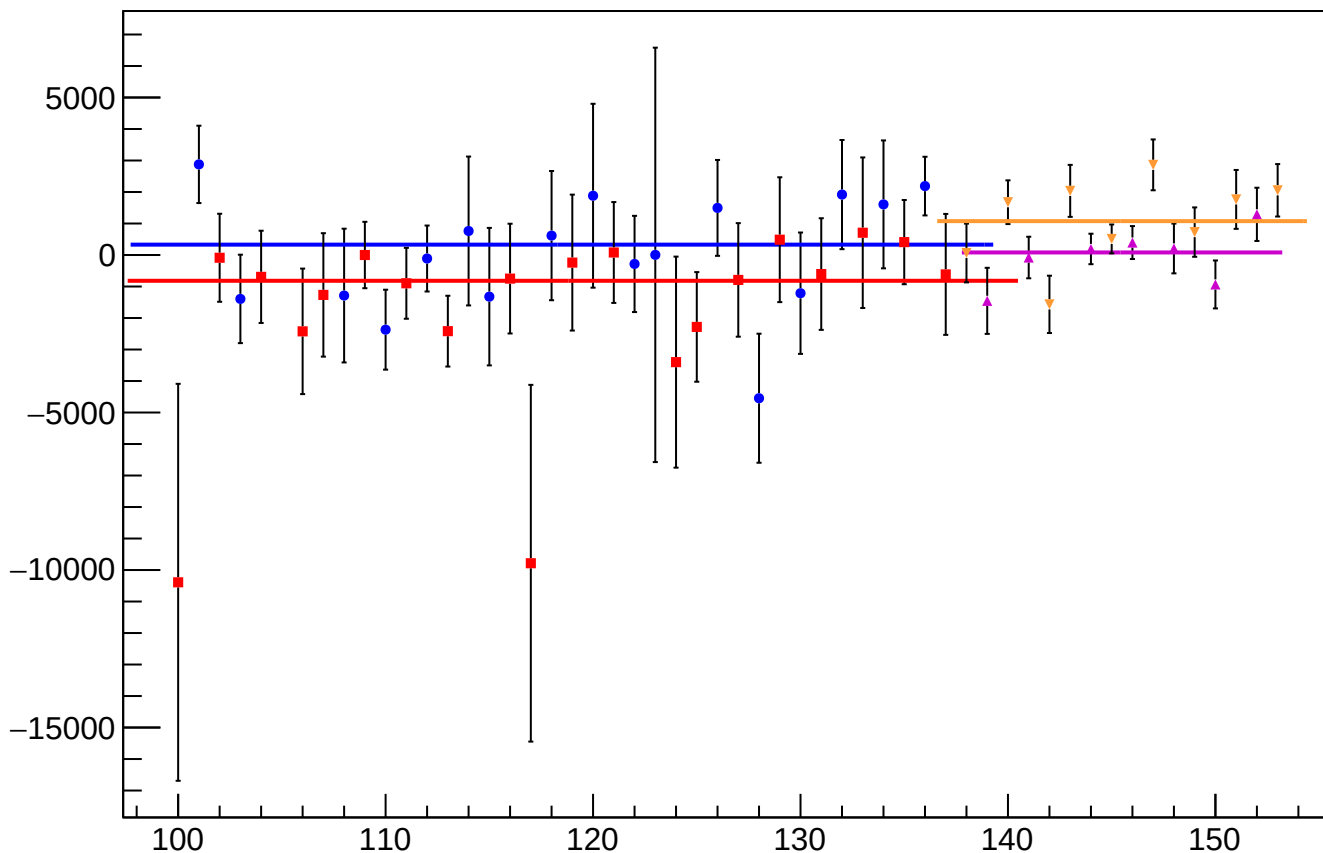
Left In: 575.097 $\pm$ 0.176 χ^2 /NDF: 668329.7/6

708.137 $\pm$ 0.146 χ^2 /NDF: 2583147.0/25

701.659 $\pm$ 0.103 χ^2 /NDF: 5436908.0/52

695.170 $\pm$ 0.146 χ^2 /NDF: 2849812.1/26

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 1075.747+/-246.933 χ^2/NDF : 20.2/8

Right Out: -818.253+/-370.875 χ^2/NDF : 11.8/19

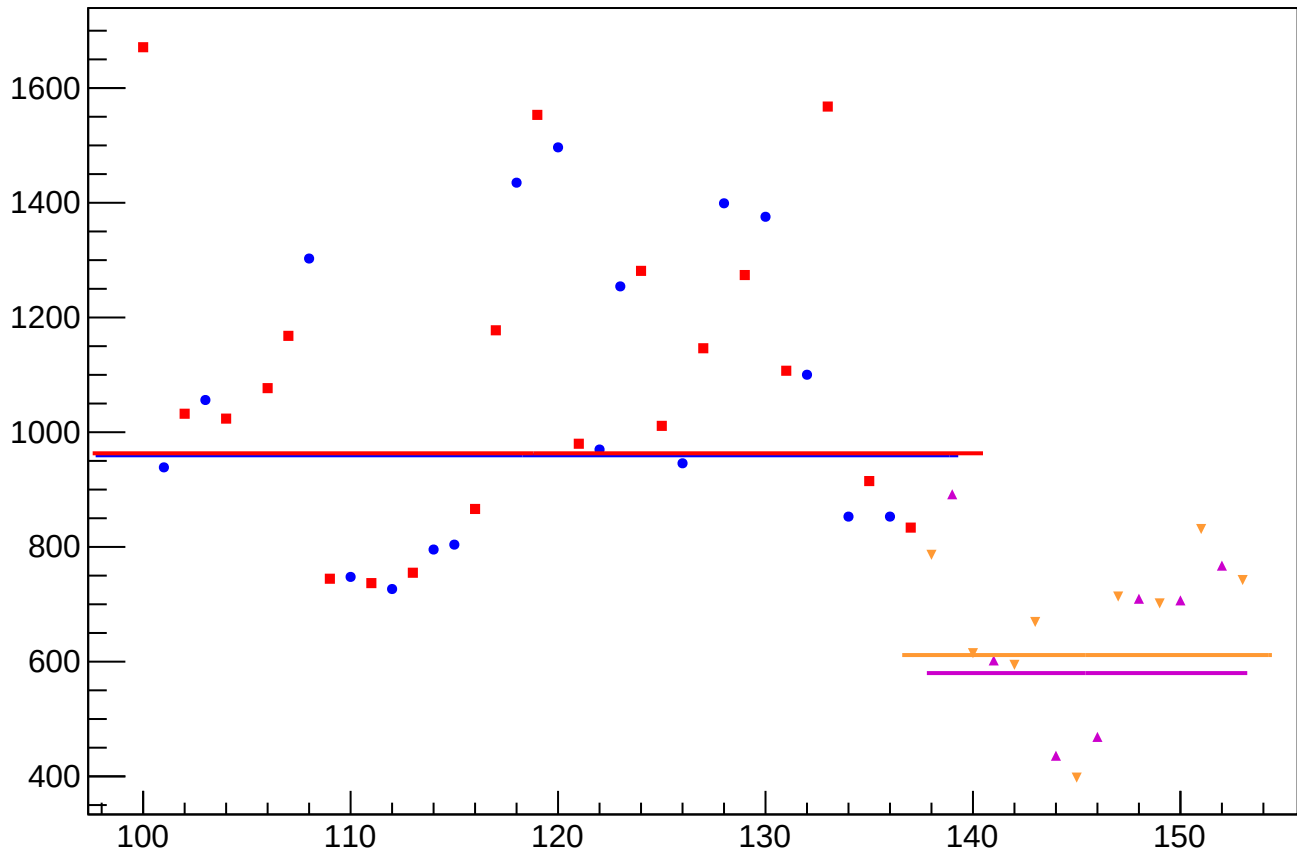
Left In: 81.332+/-251.032 χ^2/NDF : 6.5/6

857.118+/-207.653 χ^2/NDF : 47.2/25

328.498+/-146.916 χ^2/NDF : 82.5/52

-201.316+/-207.888 χ^2/NDF : 22.3/26

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 611.515 $\pm$ 0.175 χ^2 /NDF: 732578.5/8

Right Out: 963.238 $\pm$ 0.262 χ^2 /NDF: 698638.3/19

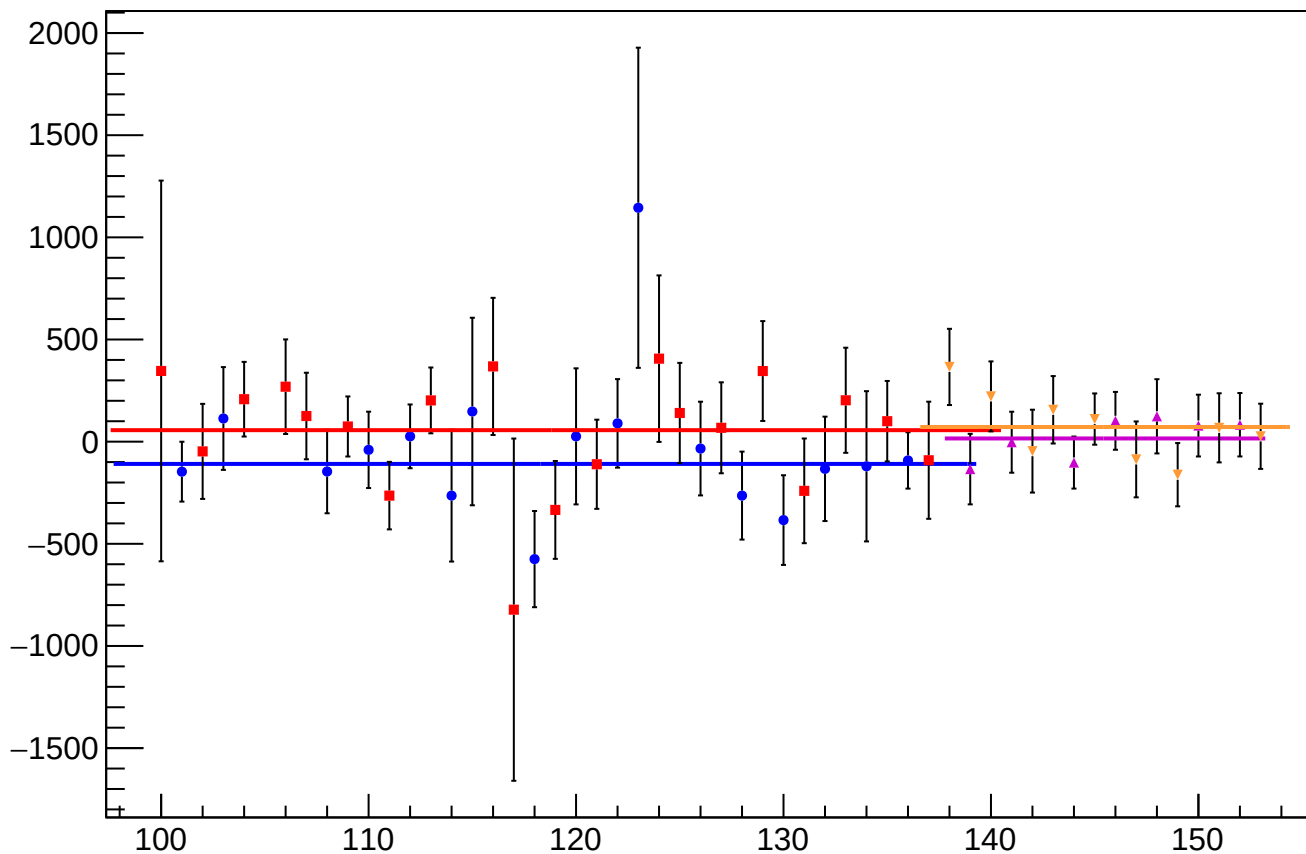
Left In: 580.078 $\pm$ 0.178 χ^2 /NDF: 654527.2/6

713.498 $\pm$ 0.147 χ^2 /NDF: 2544230.3/25

706.989 $\pm$ 0.104 χ^2 /NDF: 5365303.9/52

700.466 $\pm$ 0.147 χ^2 /NDF: 2817139.7/26

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 71.689 ± 54.860 $\chi^2/\text{NDF}: 7.0/8$

Right Out: 56.241 ± 50.729 $\chi^2/\text{NDF}: 16.0/19$

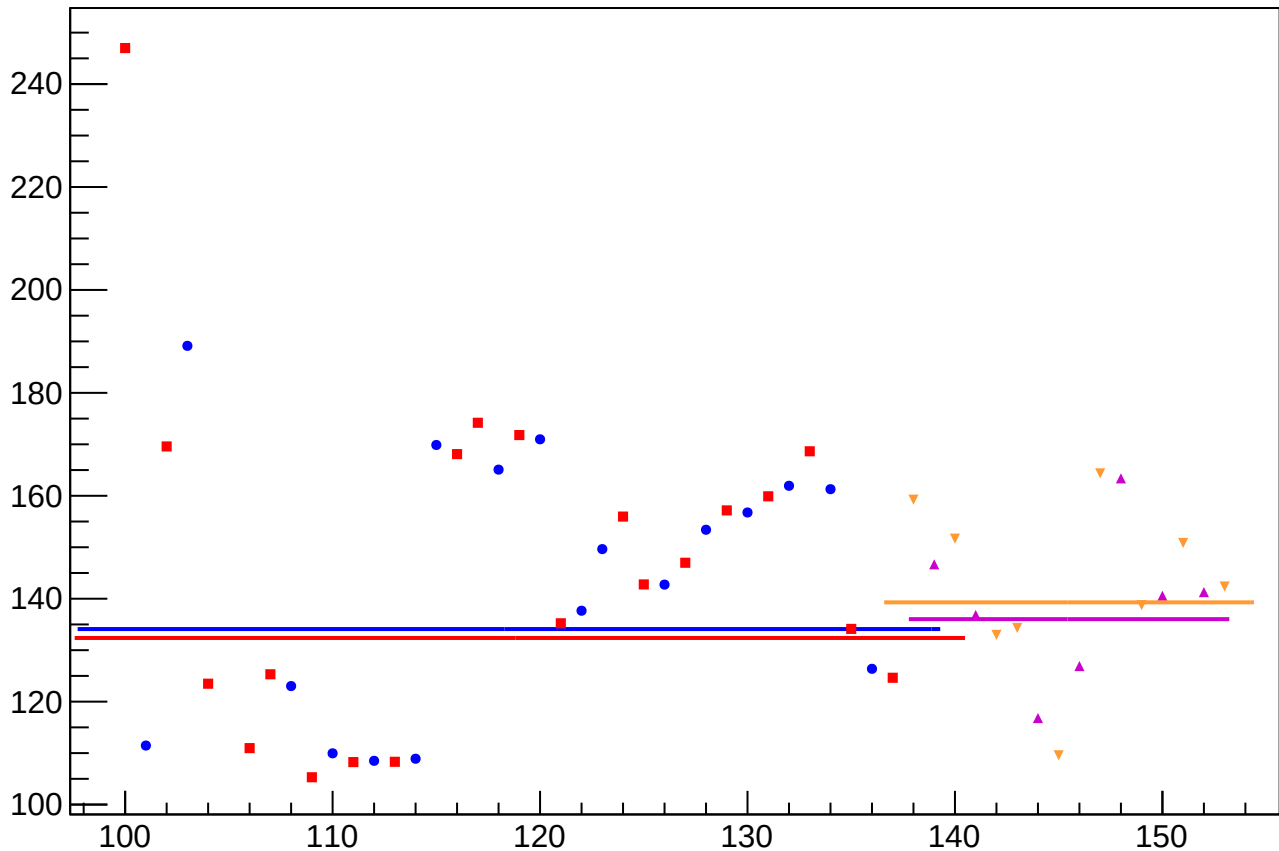
Left In: 15.643 ± 57.210 $\chi^2/\text{NDF}: 2.7/6$

-21.890 ± 38.088 $\chi^2/\text{NDF}: 24.7/25$

8.345 ± 26.886 $\chi^2/\text{NDF}: 44.9/52$

38.371 ± 37.956 $\chi^2/\text{NDF}: 19.0/26$

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 139.292 $\pm$ 0.039 χ^2 /NDF: 195808.1/8

Right Out: 132.373 $\pm$ 0.036 χ^2 /NDF: 446741.9/19

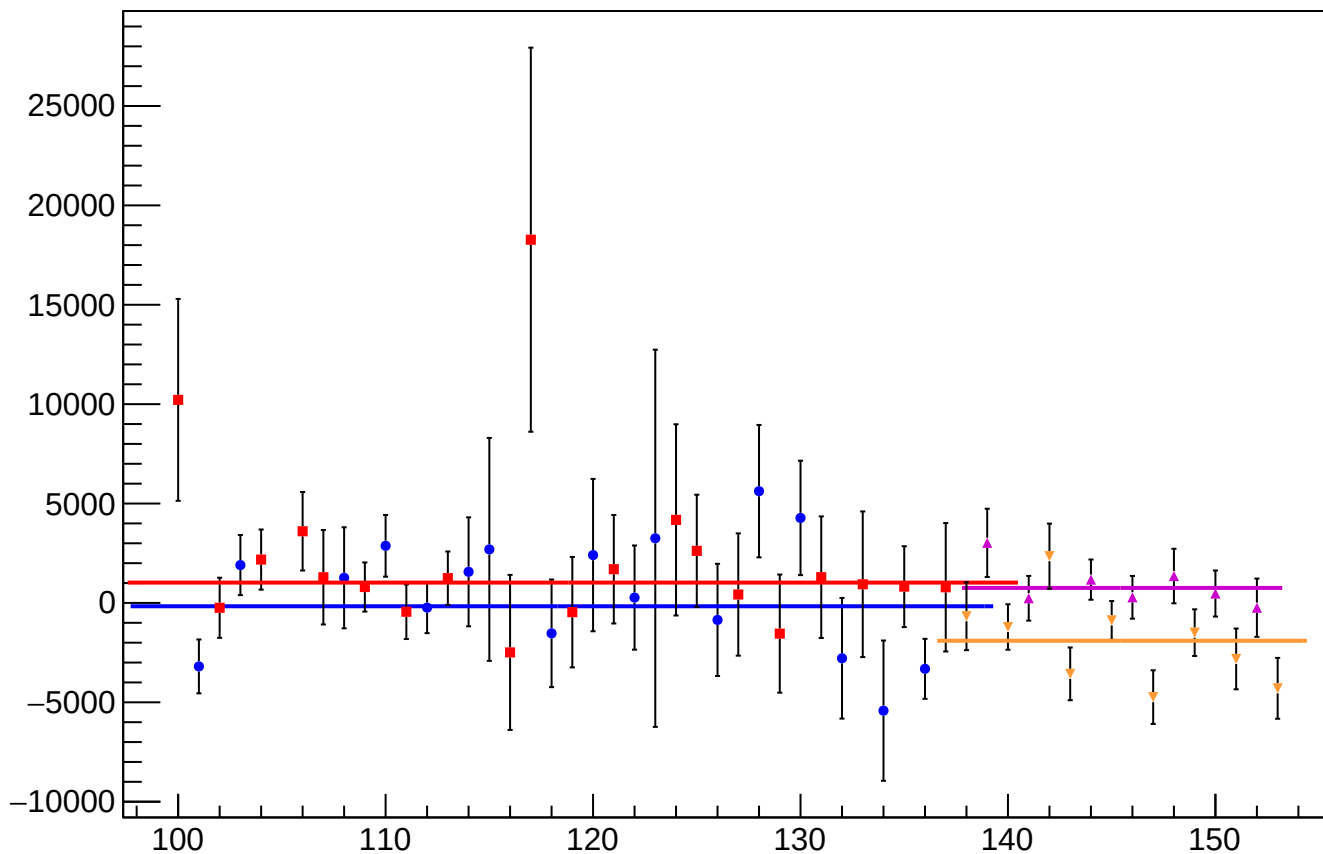
Left In: 136.029 $\pm$ 0.040 χ^2 /NDF: 110943.6/6

136.604 $\pm$ 0.027 χ^2 /NDF: 607656.2/25

135.289 $\pm$ 0.019 χ^2 /NDF: 1174671.4/52

133.982 $\pm$ 0.027 χ^2 /NDF: 562259.4/26

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 $\chi^2/\text{NDF}: 25.3/16$

Left Out: -1903.054 ± 437.334 $\chi^2/\text{NDF}: 17.7/8$

Right Out: 1023.271 ± 480.373 $\chi^2/\text{NDF}: 13.4/19$

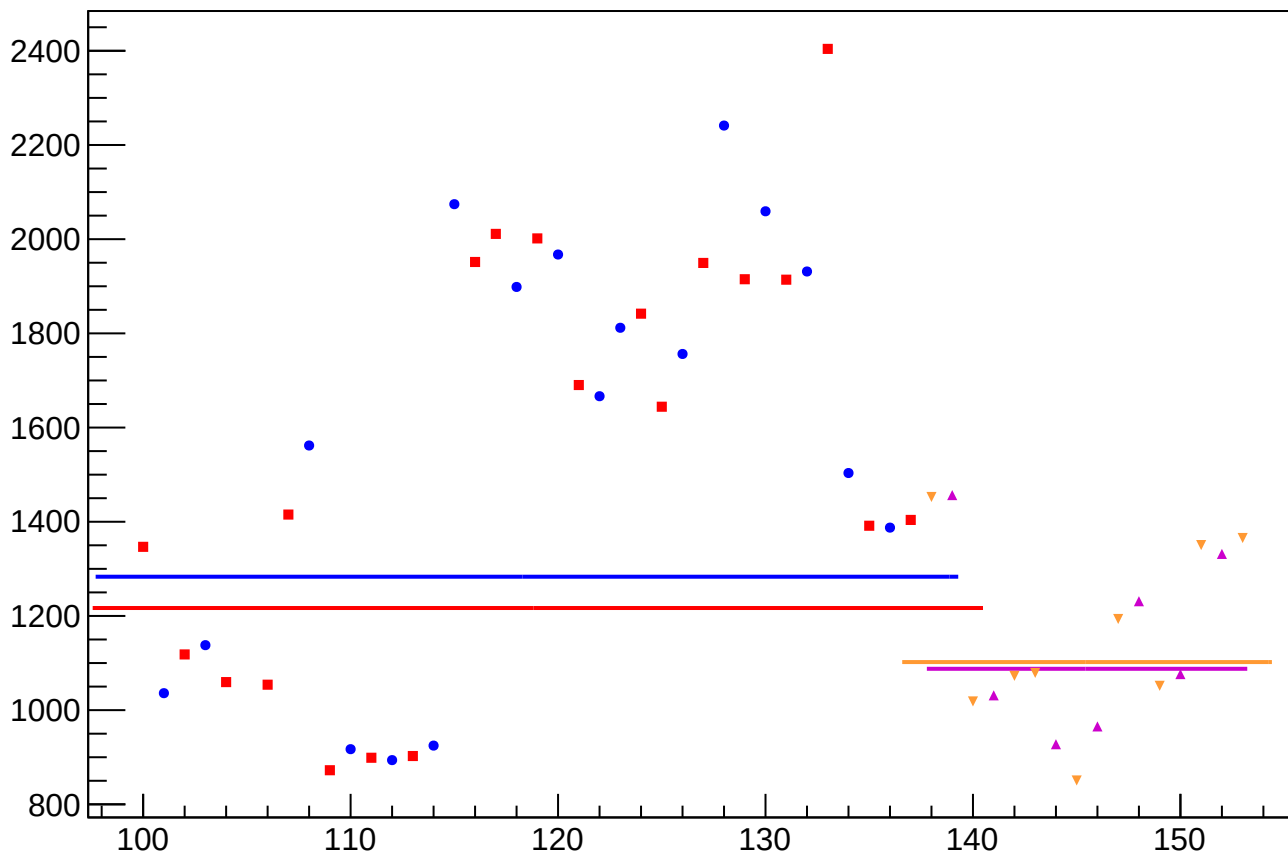
Left In: 755.706 ± 460.725 $\chi^2/\text{NDF}: 3.0/6$

-1190.257 ± 335.673 $\chi^2/\text{NDF}: 49.4/25$

-143.363 ± 236.231 $\chi^2/\text{NDF}: 85.3/52$

883.905 ± 332.511 $\chi^2/\text{NDF}: 16.6/26$

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: 1102.081 $\pm$ 0.309 χ^2 /NDF: 354101.1/8

Right Out: 1216.852 $\pm$ 0.340 χ^2 /NDF: 1374416.0/19

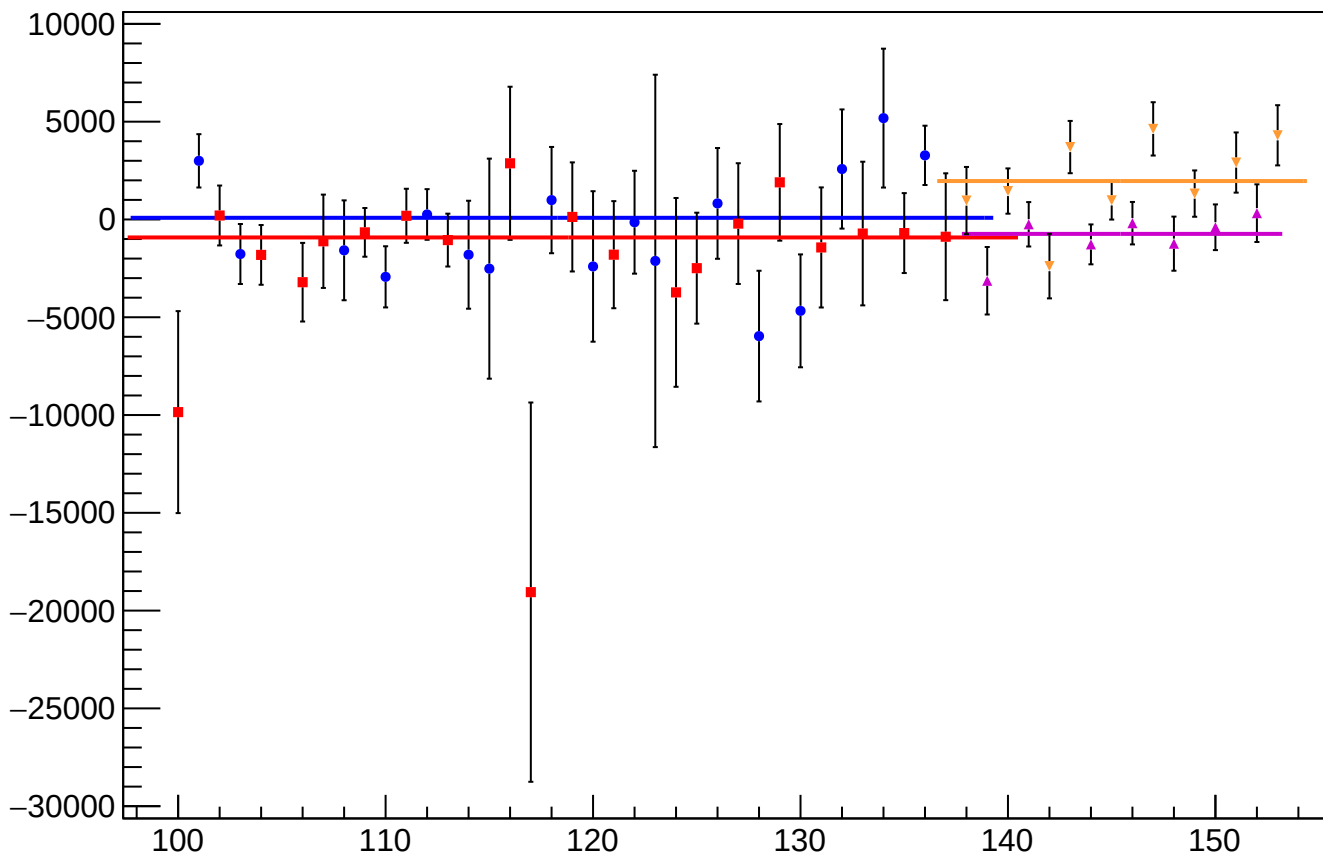
Left In: 1087.791 $\pm$ 0.326 χ^2 /NDF: 250721.4/6

1176.547 $\pm$ 0.237 χ^2 /NDF: 1664658.7/25

1162.960 $\pm$ 0.167 χ^2 /NDF: 3371482.8/52

1149.628 $\pm$ 0.235 χ^2 /NDF: 1700332.0/26

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1964.269+/-440.985 χ^2/NDF : 17.0/8

Right Out: -919.892+/-484.043 χ^2/NDF : 12.2/19

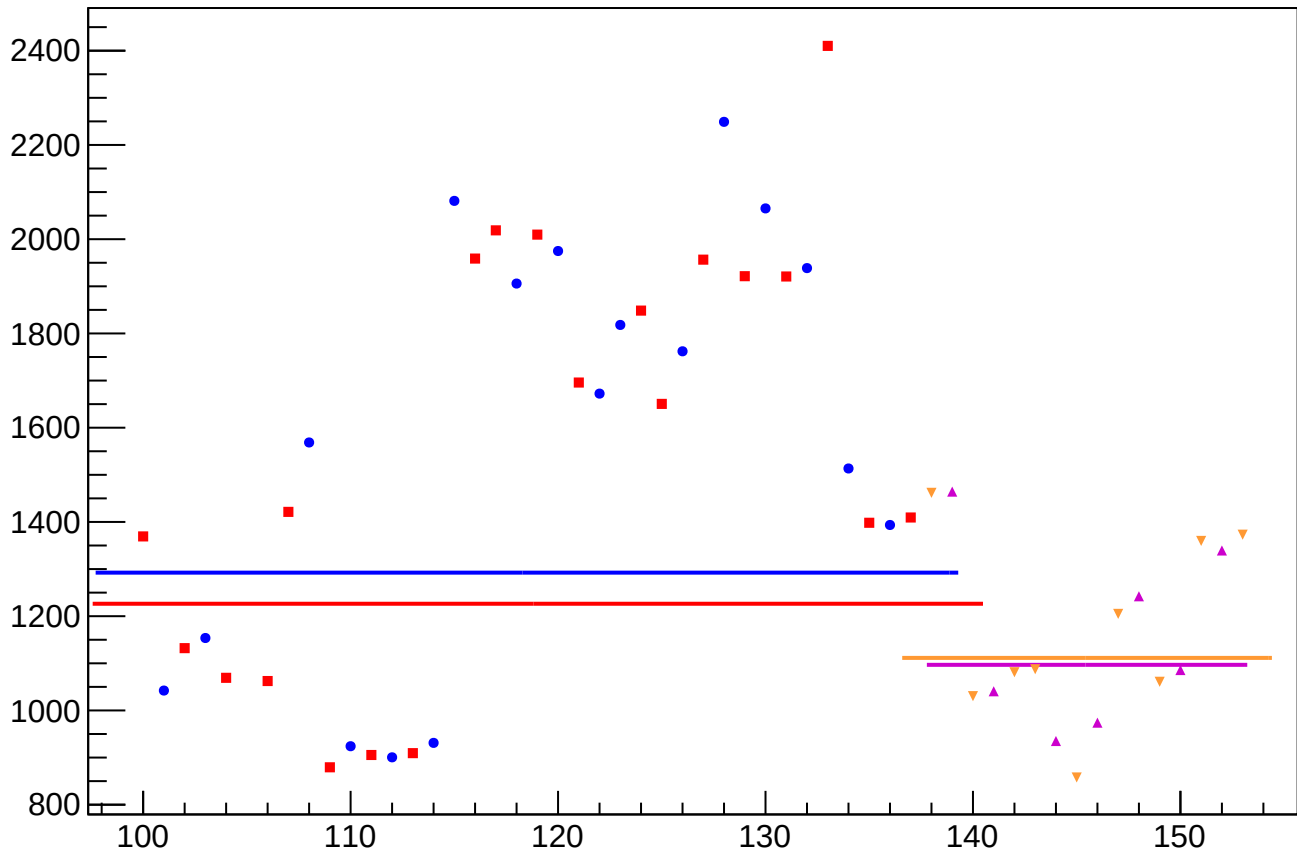
Left In: -737.638+/-464.450 χ^2/NDF : 3.4/6

1190.492+/-338.221 χ^2/NDF : 49.2/25

173.487+/-238.057 χ^2/NDF : 82.7/52

-825.002+/-335.128 χ^2/NDF : 15.6/26

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 ± 0.373 $\chi^2/\text{NDF}: 1156576.0/16$

Left Out: 1111.510 ± 0.312 $\chi^2/\text{NDF}: 350341.6/8$

Right Out: 1226.408 ± 0.342 $\chi^2/\text{NDF}: 1359134.9/19$

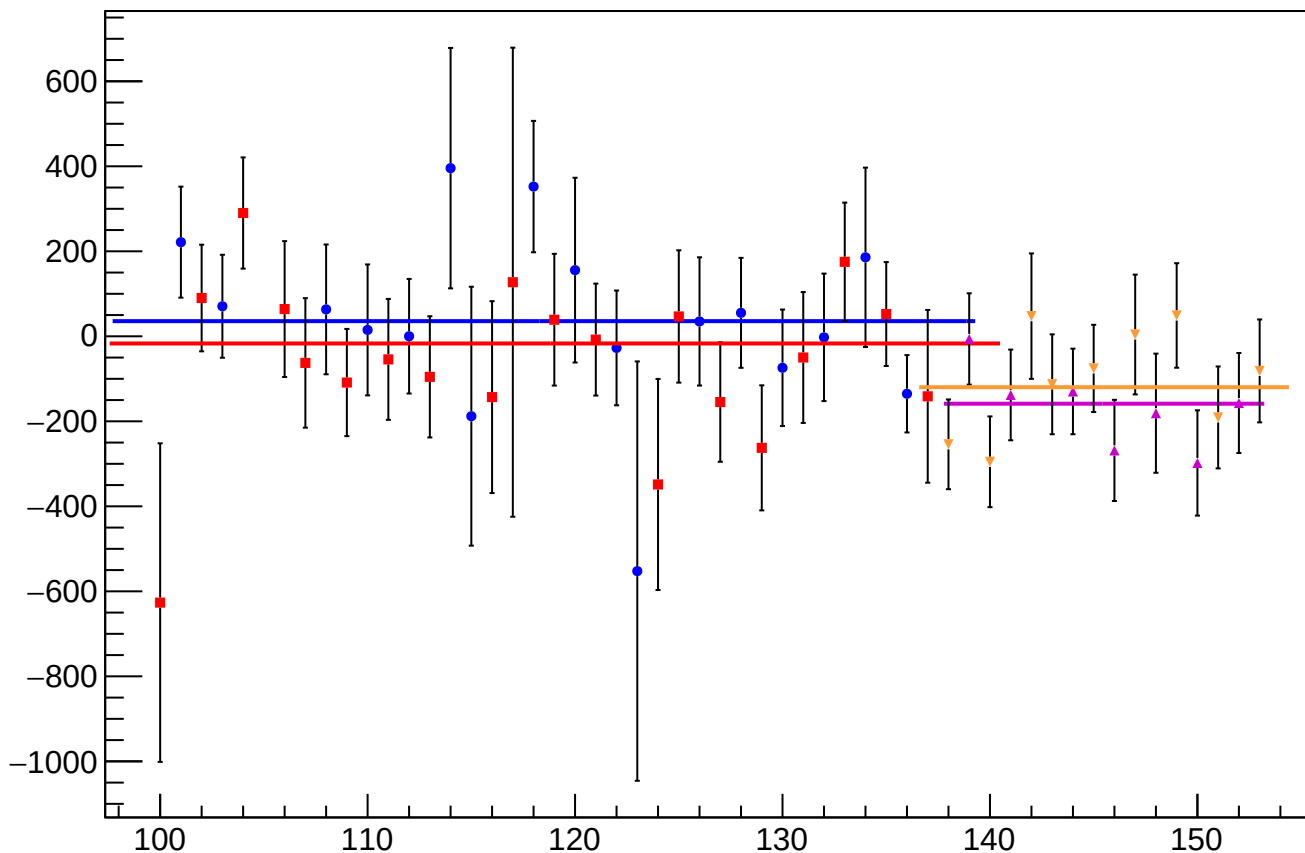
Left In: 1096.777 ± 0.328 $\chi^2/\text{NDF}: 247858.6/6$

1186.004 ± 0.239 $\chi^2/\text{NDF}: 1645522.2/25$

1172.336 ± 0.168 $\chi^2/\text{NDF}: 3333672.4/52$

1158.916 ± 0.237 $\chi^2/\text{NDF}: 1681676.9/26$

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 $\pm$ 36.350 χ^2 /NDF: 15.3/16

Left Out: -119.762 $\pm$ 39.375 χ^2 /NDF: 8.9/8

Right Out: -16.849 $\pm$ 34.623 χ^2 /NDF: 19.0/19

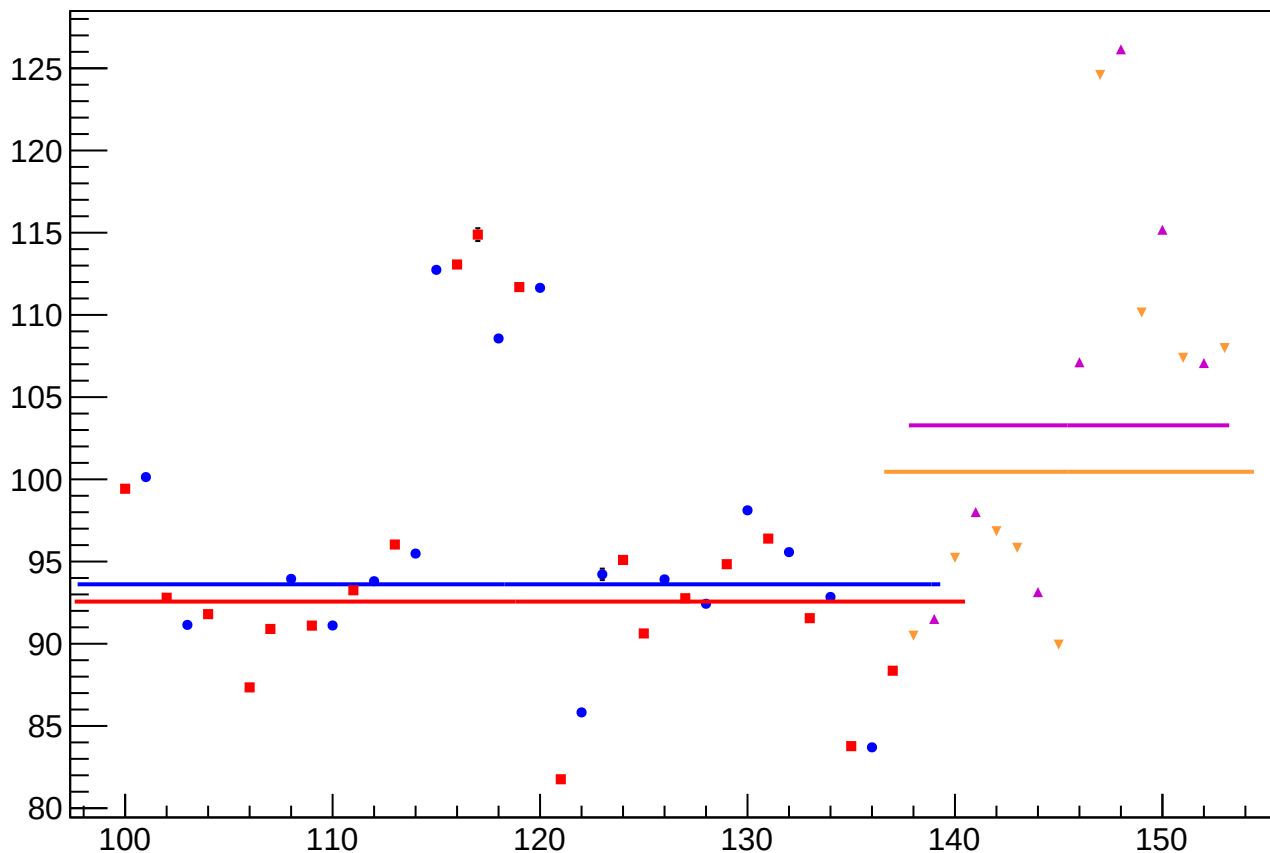
Left In: -158.569 $\pm$ 43.353 χ^2 /NDF: 4.3/6

-35.843 $\pm$ 26.709 χ^2 /NDF: 32.6/25

-53.708 $\pm$ 19.007 χ^2 /NDF: 63.3/52

-72.038 $\pm$ 27.054 χ^2 /NDF: 29.8/26

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 $\pm$ 0.026 χ^2/NDF : 79928.5/16

Left Out: 100.459 $\pm$ 0.028 χ^2/NDF : 133400.4/8

Right Out: 92.565 $\pm$ 0.024 χ^2/NDF : 81875.5/19

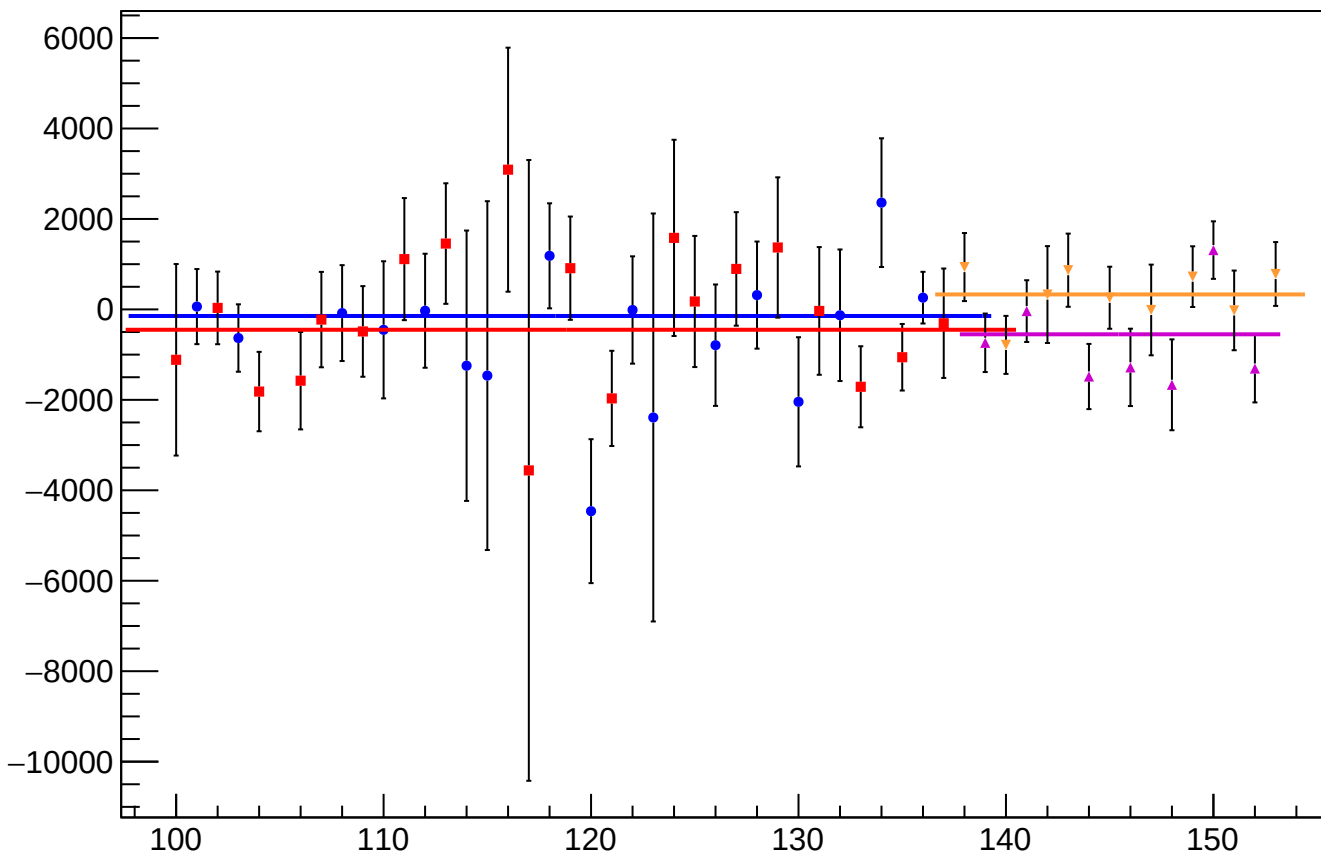
Left In: 103.284 $\pm$ 0.031 χ^2/NDF : 125065.1/6

96.764 $\pm$ 0.019 χ^2/NDF : 245936.8/25

96.752 $\pm$ 0.013 χ^2/NDF : 527518.6/52

96.739 $\pm$ 0.019 χ^2/NDF : 281580.9/26

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: 331.030 $\pm$ 256.221 χ^2 /NDF: 5.2/8

Right Out: -450.047 $\pm$ 260.089 χ^2 /NDF: 19.2/19

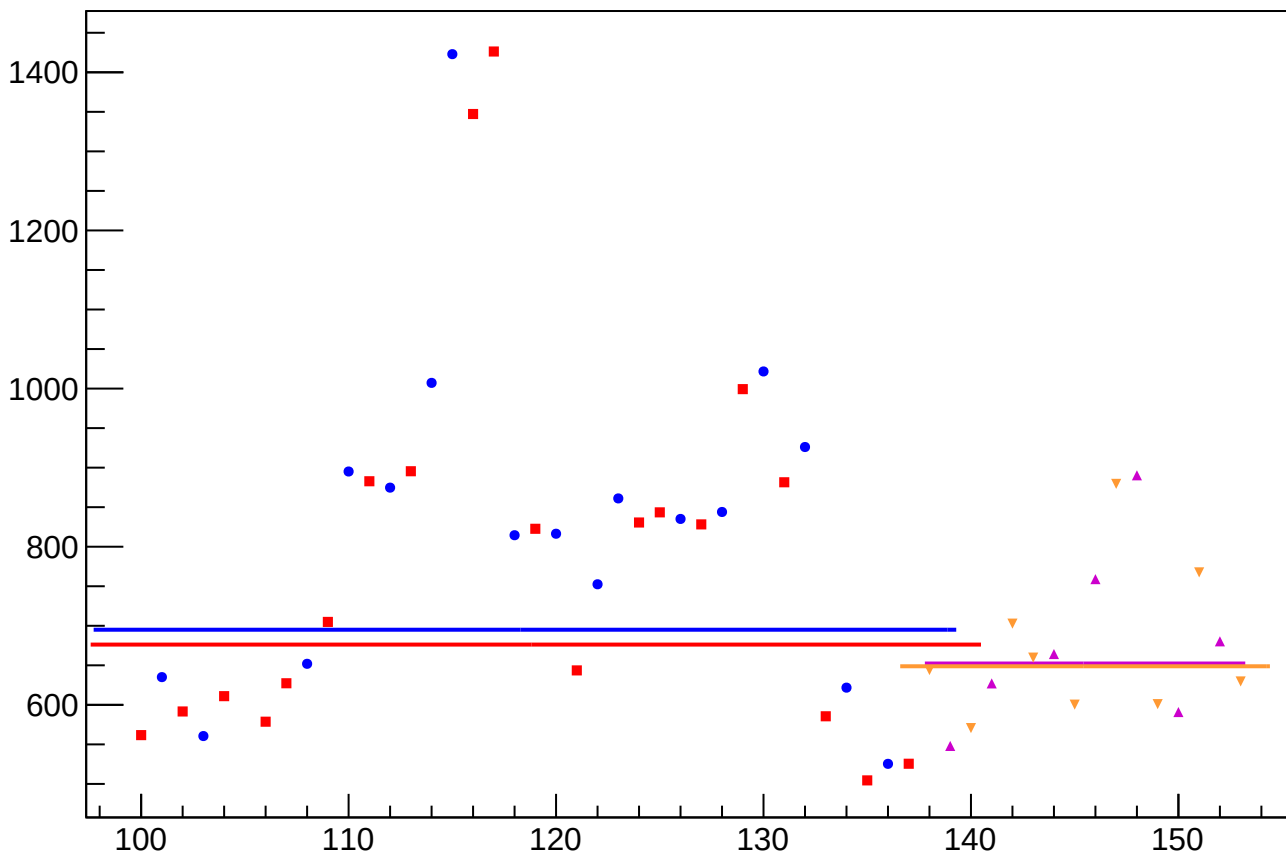
Left In: -550.676 $\pm$ 276.582 χ^2 /NDF: 13.9/6

111.006 $\pm$ 187.977 χ^2 /NDF: 22.2/25

-190.722 $\pm$ 133.446 χ^2 /NDF: 60.6/52

-497.272 $\pm$ 189.473 χ^2 /NDF: 33.1/26

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: 648.792 $\pm$ 0.181 χ^2 /NDF:199114.5/8

Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

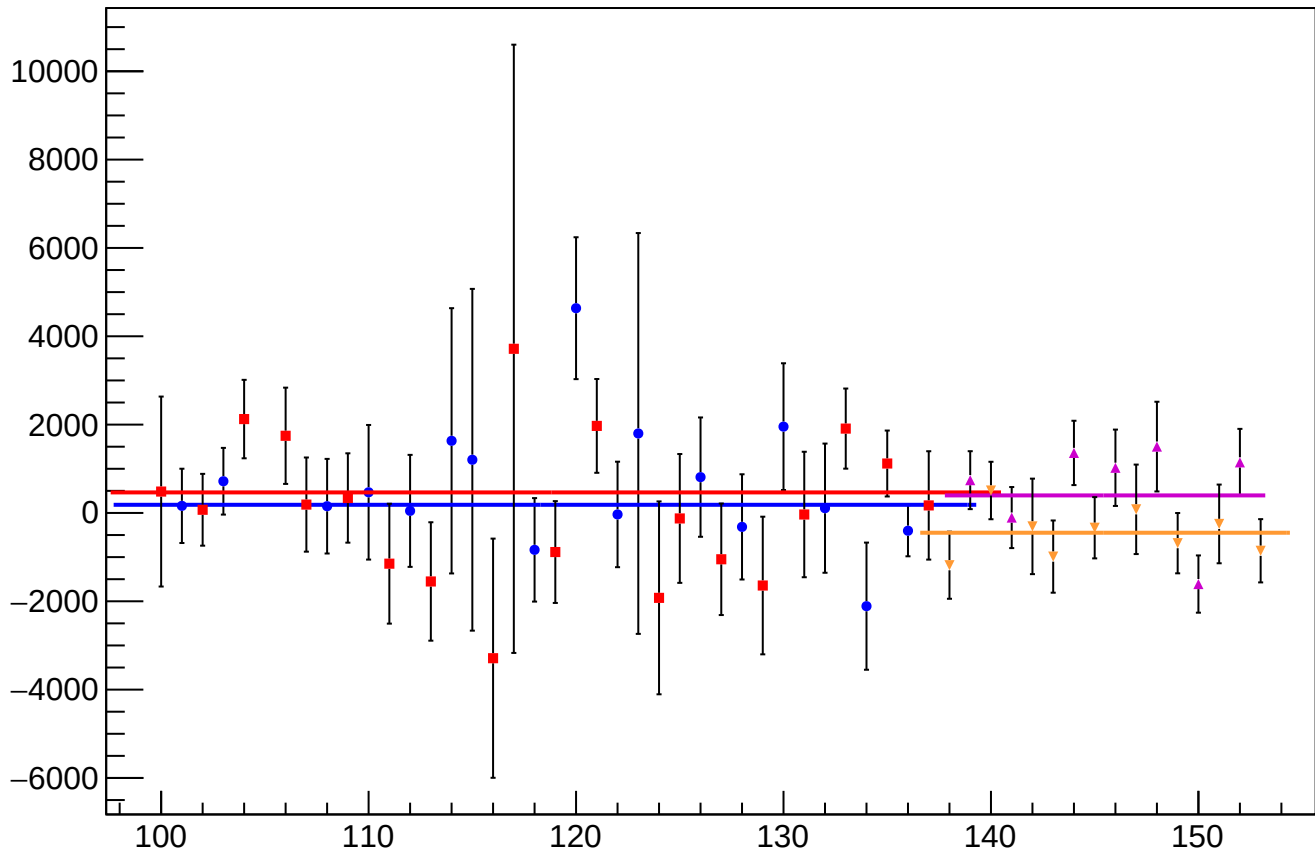
Left In: 652.285 $\pm$ 0.196 χ^2 /NDF:220049.6/6

670.135 $\pm$ 0.133 χ^2 /NDF: 906882.4/25

667.584 $\pm$ 0.094 χ^2 /NDF: 1835943.2/52

664.992 $\pm$ 0.134 χ^2 /NDF: 928318.3/26

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -448.002 ± 259.447 χ^2/NDF : 4.3/8

Right Out: 464.916 ± 262.768 χ^2/NDF : 22.5/19

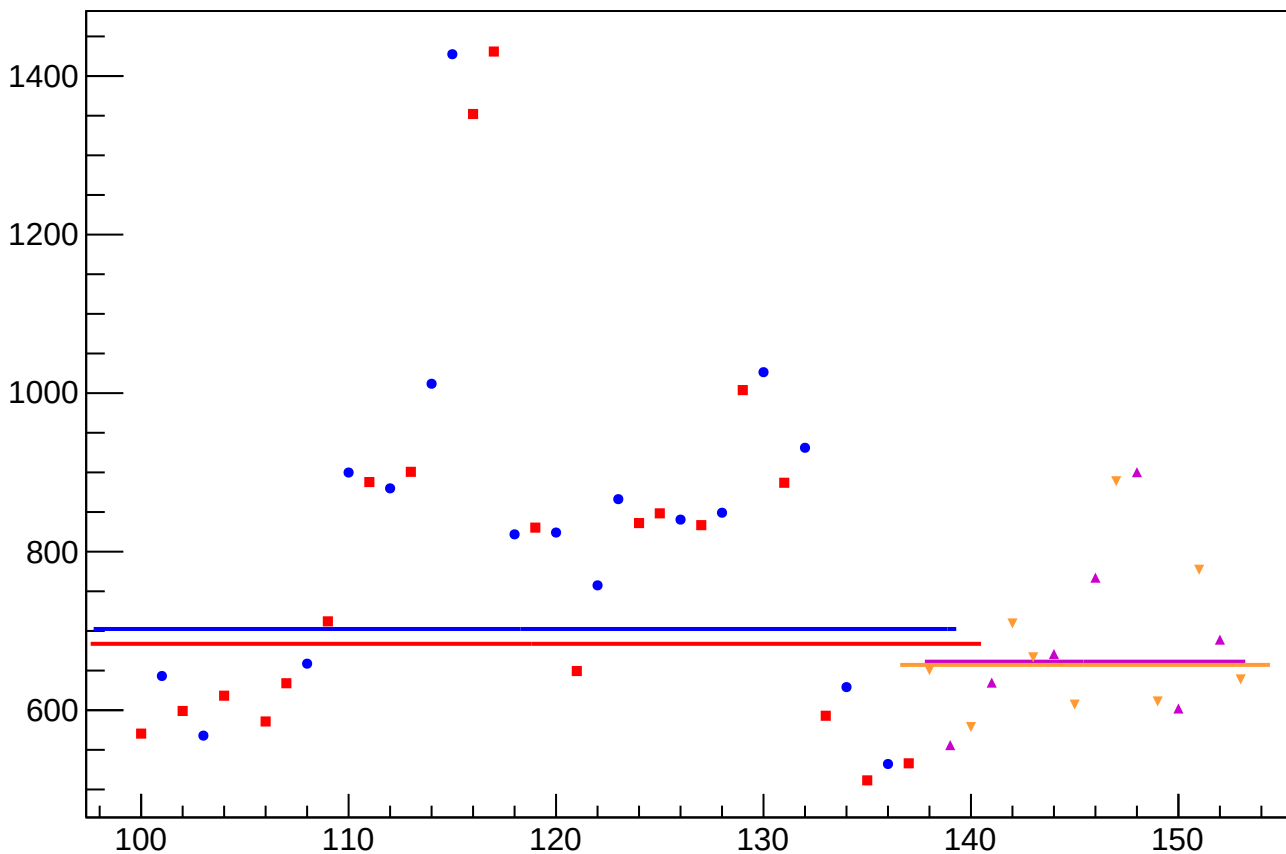
Left In: 397.147 ± 280.248 χ^2/NDF : 14.8/6

-155.120 ± 190.116 χ^2/NDF : 22.0/25

136.625 ± 134.985 χ^2/NDF : 64.1/52

433.211 ± 191.687 χ^2/NDF : 37.4/26

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 657.182 $\pm$ 0.183 χ^2 /NDF: 195968.2/8

Right Out: 683.751 $\pm$ 0.186 χ^2 /NDF: 683105.3/19

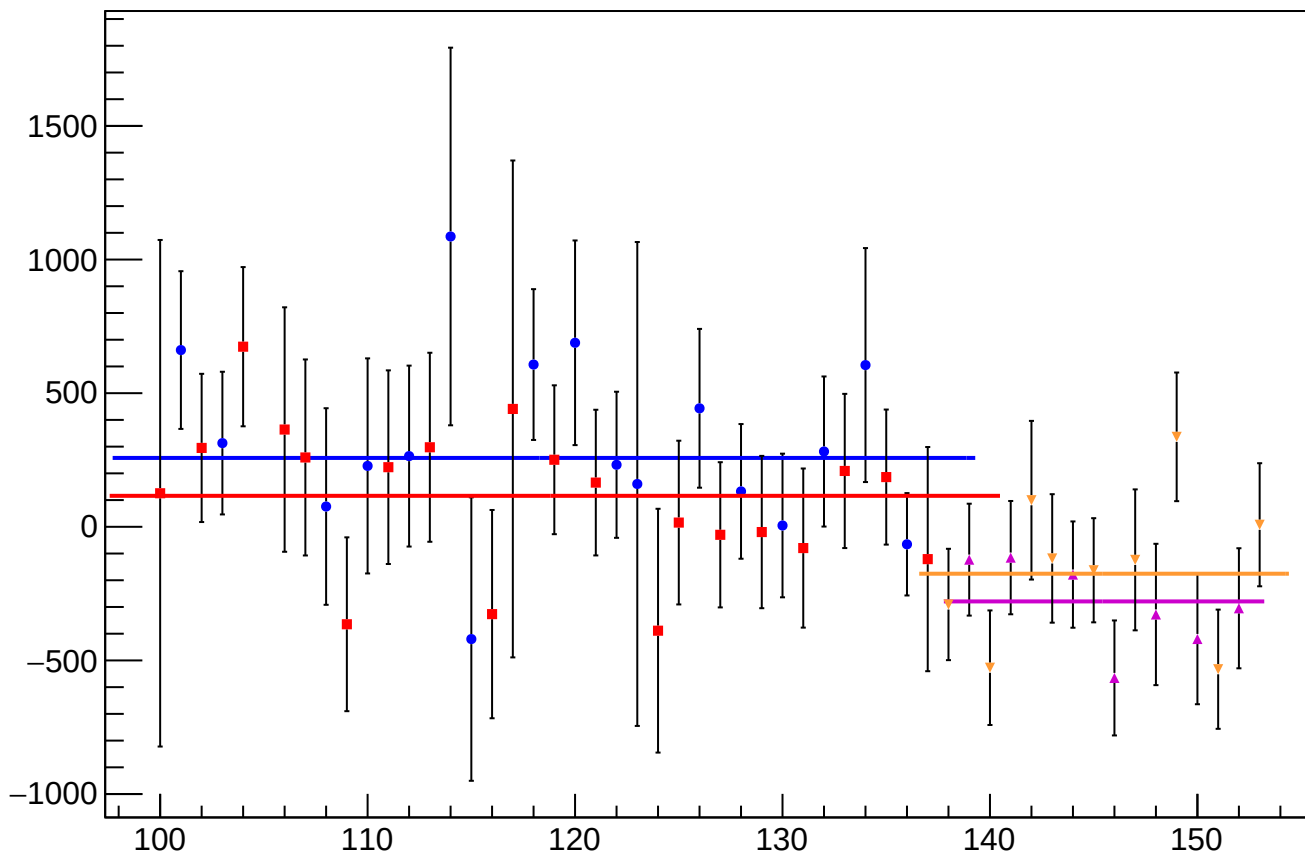
Left In: 661.223 $\pm$ 0.198 χ^2 /NDF: 215029.1/6

678.152 $\pm$ 0.134 χ^2 /NDF: 884709.7/25

675.702 $\pm$ 0.095 χ^2 /NDF: 1790391.1/52

673.212 $\pm$ 0.136 χ^2 /NDF: 905011.8/26

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: -175.530 $\pm$ 76.607 χ^2 /NDF:11.7/8

Right Out: 115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

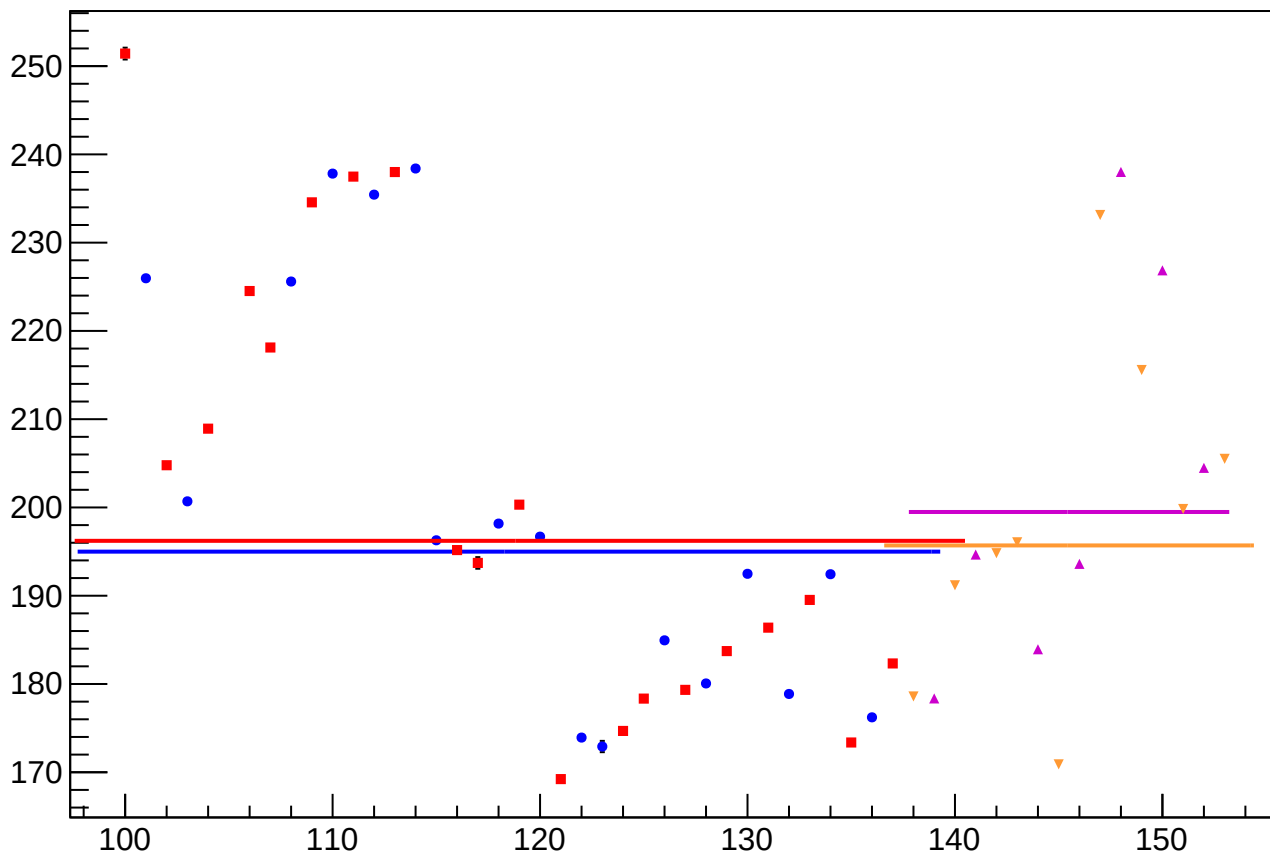
Left In: -279.217 $\pm$ 83.662 χ^2 /NDF:3.6/6

43.014 $\pm$ 53.929 χ^2 /NDF: 40.8/25

-5.854 $\pm$ 38.649 χ^2 /NDF: 70.0/52

-57.458 $\pm$ 55.418 χ^2 /NDF: 27.4/26

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: 195.697 $\pm$ 0.054 χ^2 /NDF:105057.5/8

Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

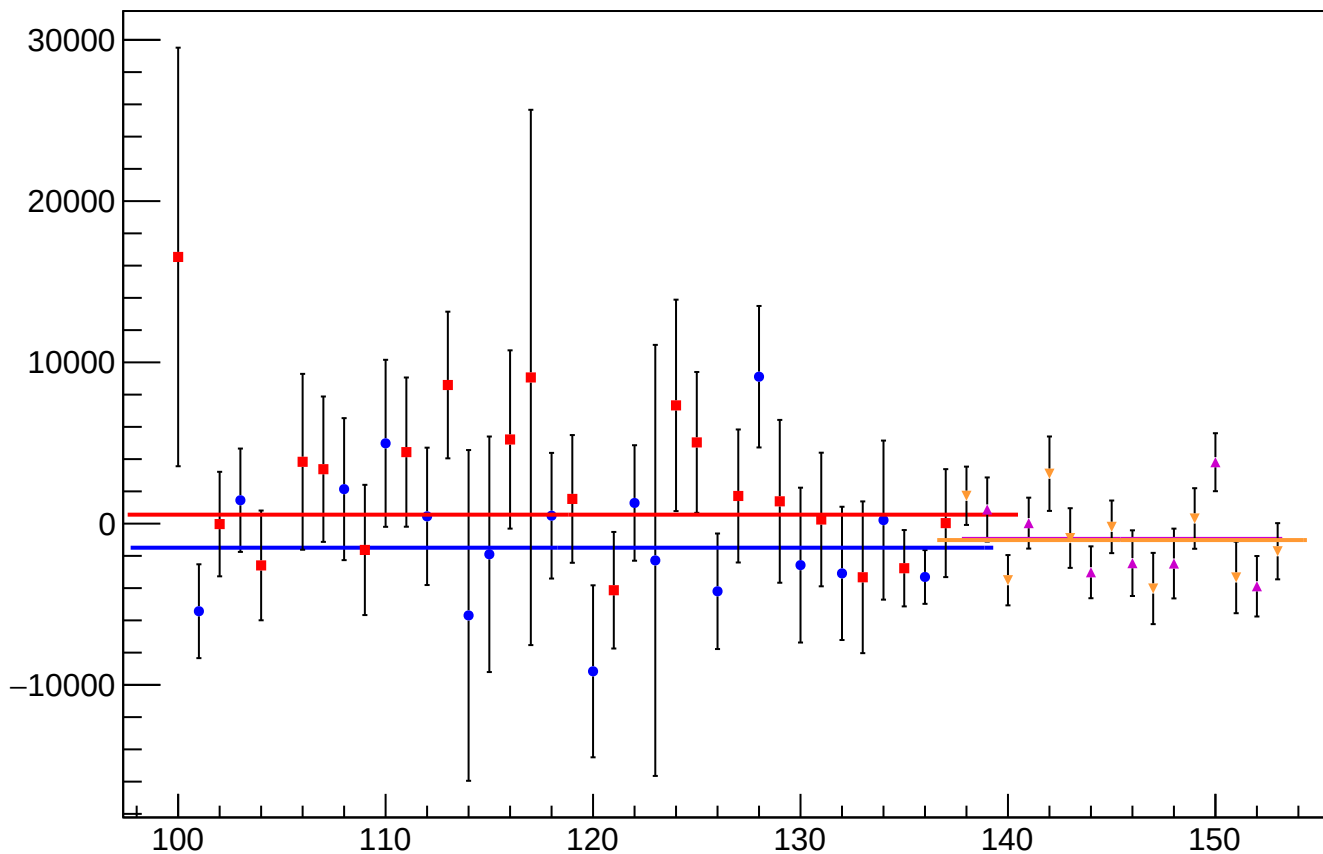
Left In: 199.487 $\pm$ 0.059 χ^2 /NDF:103713.0/6

195.343 $\pm$ 0.038 χ^2 /NDF: 249413.6/25

196.466 $\pm$ 0.027 χ^2 /NDF: 530130.1/52

197.653 $\pm$ 0.039 χ^2 /NDF: 278931.5/26

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280 $\pm$ 910.834 χ^2 /NDF: 16.1/16

Left Out: -1019.800 $\pm$ 620.942 χ^2 /NDF:11.9/8

Right Out: 555.744 $\pm$ 933.239 χ^2 /NDF: 14.9/19

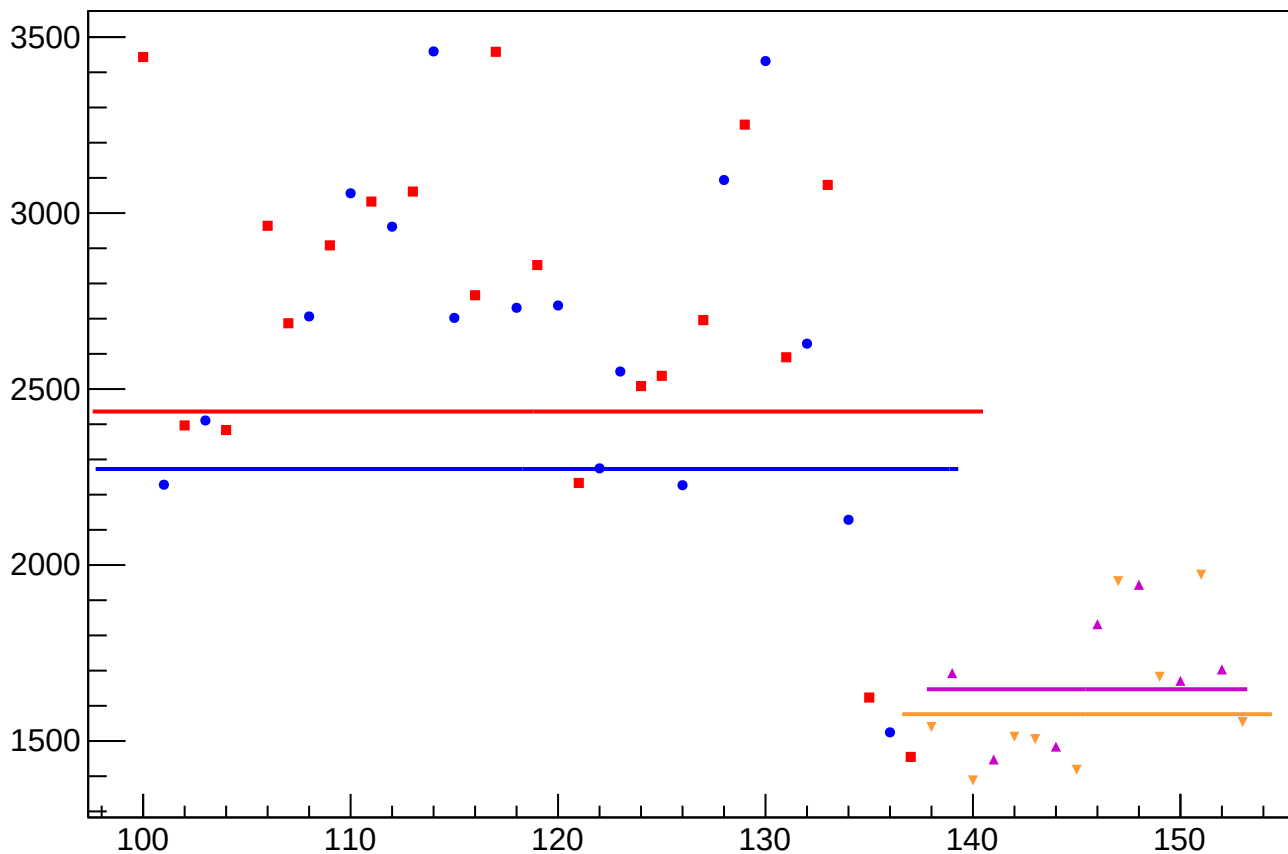
Left In: -946.931 $\pm$ 691.904 χ^2 /NDF:13.4/6

-1170.031 $\pm$ 513.061 χ^2 /NDF: 28.2/25

-822.170 $\pm$ 376.997 χ^2 /NDF: 59.2/52

-413.927 $\pm$ 555.809 χ^2 /NDF: 29.9/26

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: 1576.183 $\pm$ 0.439 χ^2 /NDF: 182222.9/8

Right Out: 2436.191 $\pm$ 0.660 χ^2 /NDF: 688391.3/19

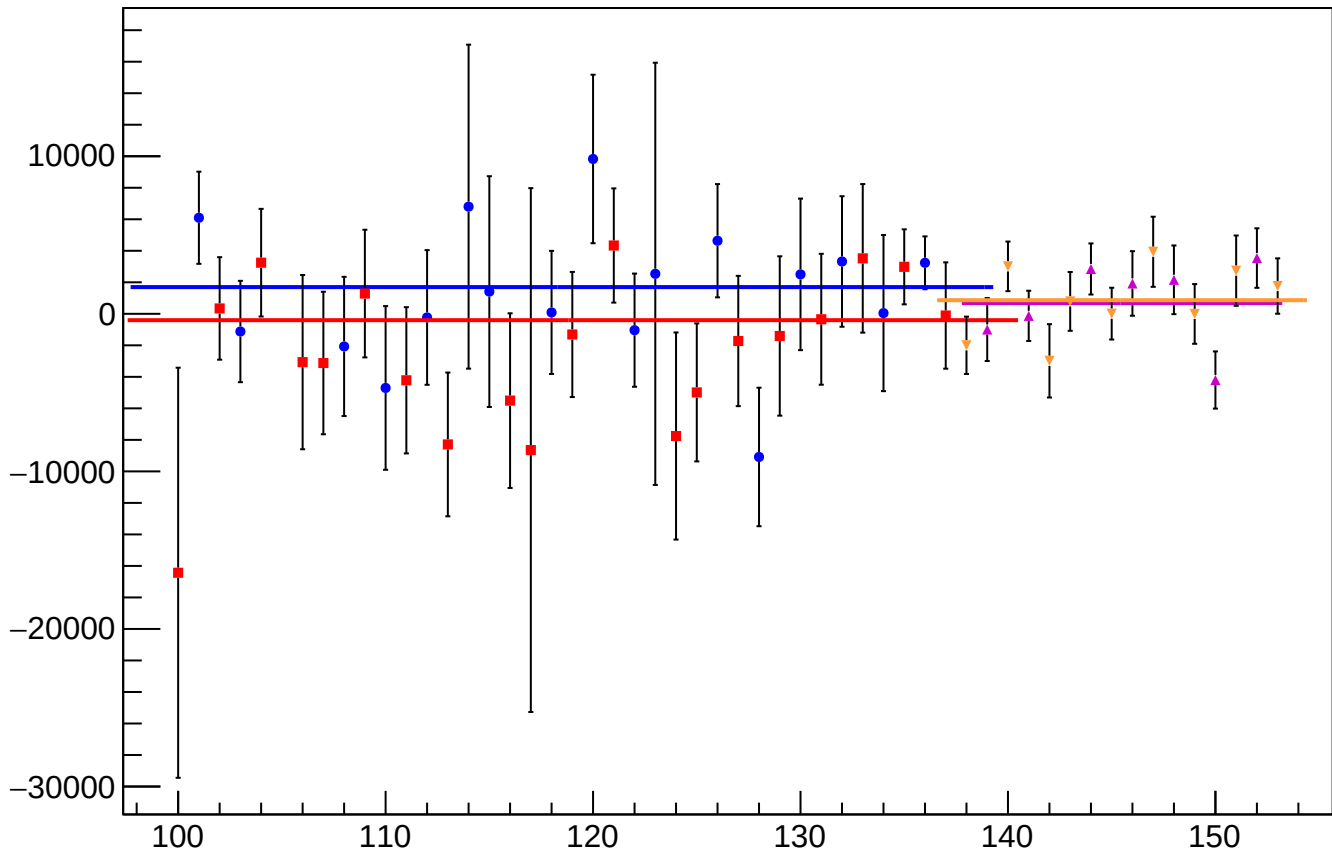
Left In: 1647.121 $\pm$ 0.489 χ^2 /NDF: 109796.0/6

1797.241 $\pm$ 0.363 χ^2 /NDF: 1786747.2/25

1856.942 $\pm$ 0.267 χ^2 /NDF: 3566442.6/52

1927.007 $\pm$ 0.393 χ^2 /NDF: 1720832.8/26

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 864.177+/-625.914 χ^2/NDF : 10.4/8

Right Out: -403.904+/-937.036 χ^2/NDF : 15.2/19

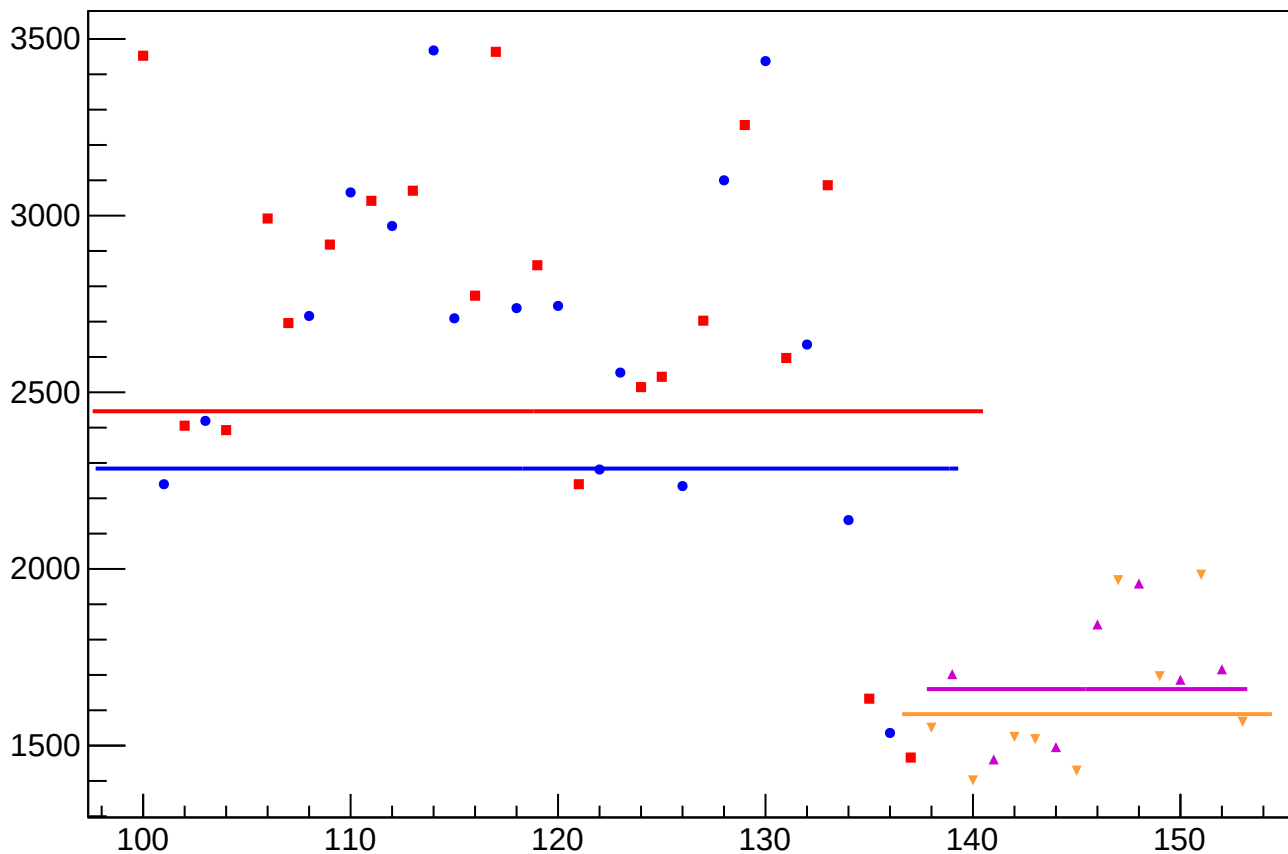
Left In: 686.670+/-697.224 χ^2/NDF : 13.1/6

1129.382+/-516.582 χ^2/NDF : 27.6/25

746.717+/-379.504 χ^2/NDF : 58.0/52

298.041+/-559.366 χ^2/NDF : 29.2/26

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1589.096 $\pm$ 0.443 χ^2 /NDF: 179955.8/8

Right Out: 2446.366 $\pm$ 0.663 χ^2 /NDF: 680413.3/19

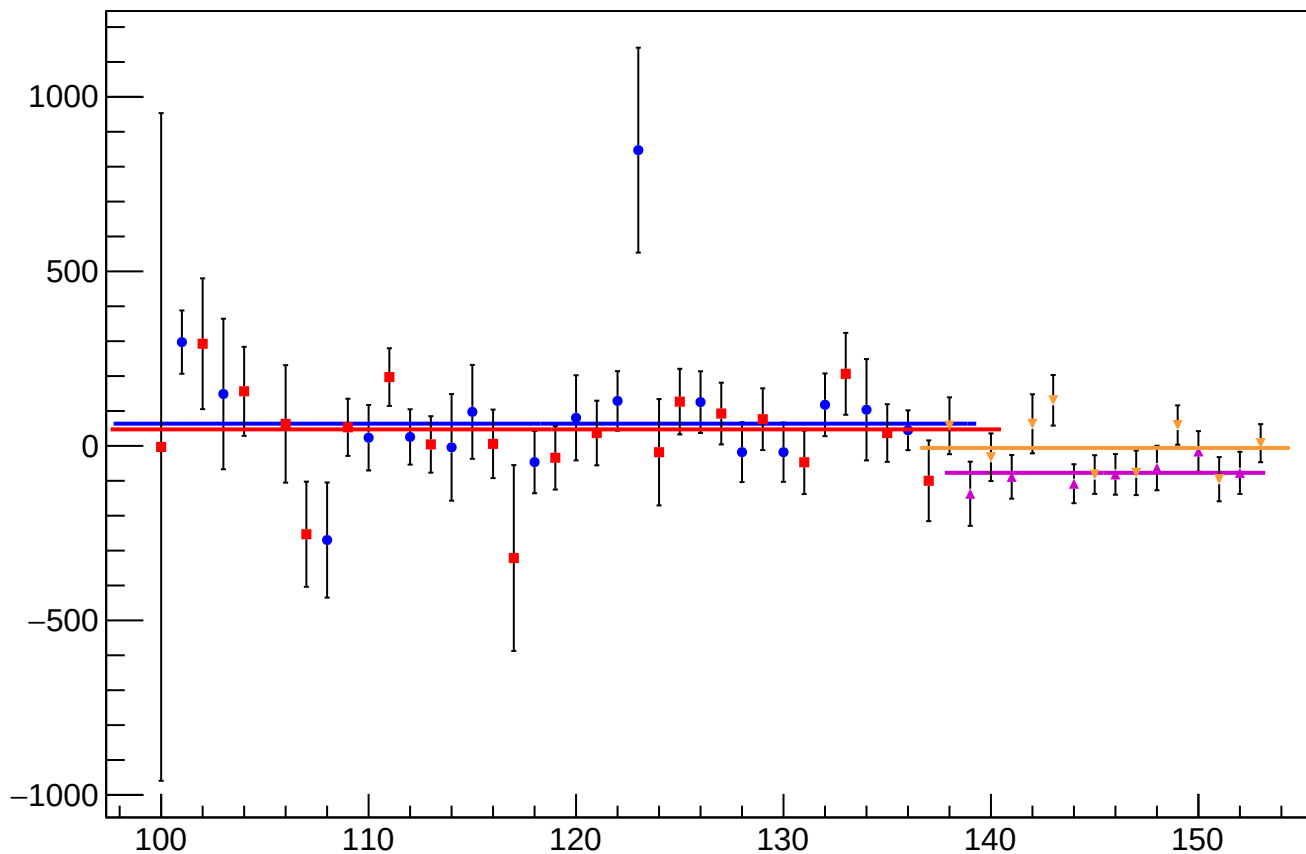
Left In: 1659.988 $\pm$ 0.493 χ^2 /NDF: 108349.3/6

1810.693 $\pm$ 0.365 χ^2 /NDF: 1760184.6/25

1870.312 $\pm$ 0.268 χ^2 /NDF: 3513448.3/52

1940.216 $\pm$ 0.396 χ^2 /NDF: 1695389.4/26

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: -5.863 $\pm$ 21.487 χ^2 /NDF:11.5/8

Right Out: 47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

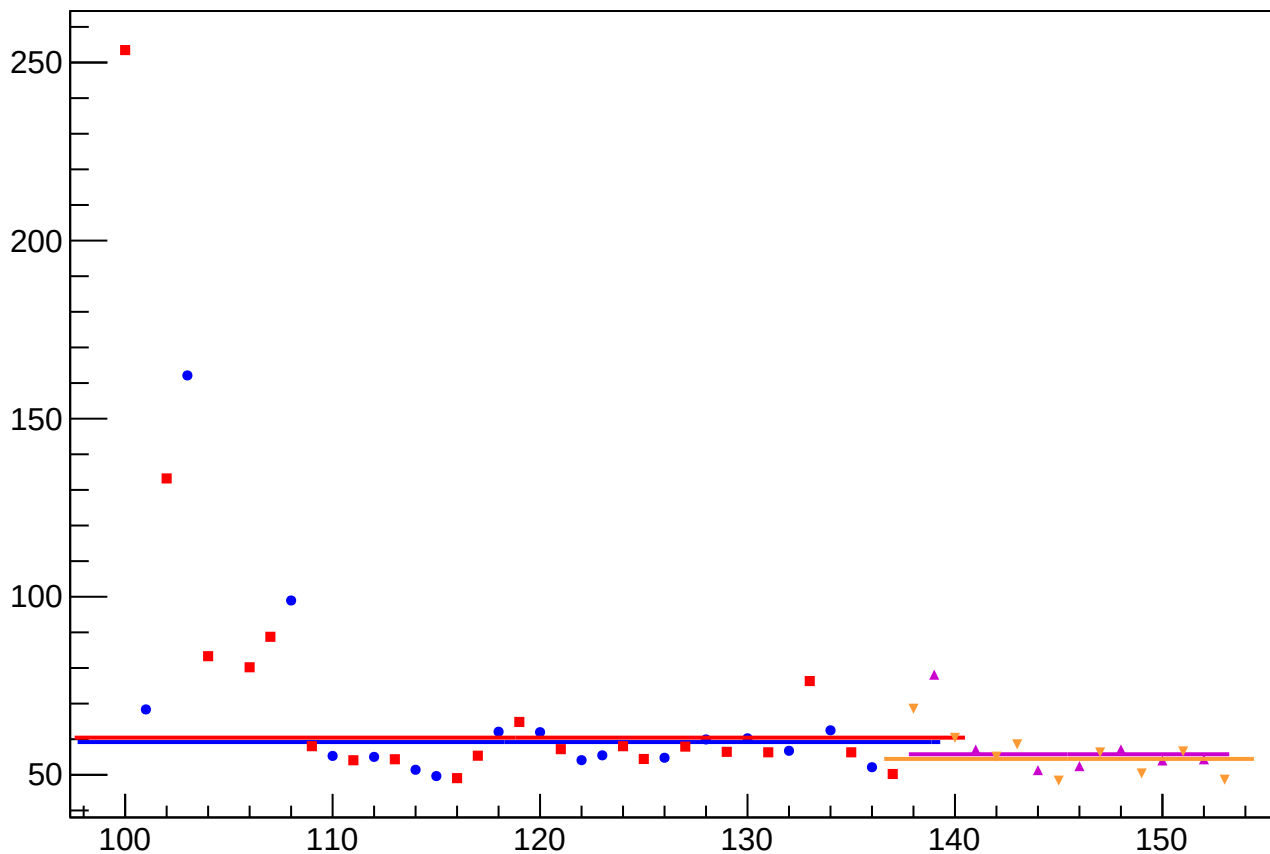
Left In: -77.167 $\pm$ 23.533 χ^2 /NDF:1.9/6

25.443 $\pm$ 15.932 χ^2 /NDF: 39.9/25

6.120 $\pm$ 11.512 χ^2 /NDF: 77.6/52

-14.993 $\pm$ 16.653 χ^2 /NDF: 34.7/26

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 54.470+/-0.015 χ^2/NDF : 142734.5/8

Right Out: 60.443+/-0.017 χ^2/NDF : 680790.3/19

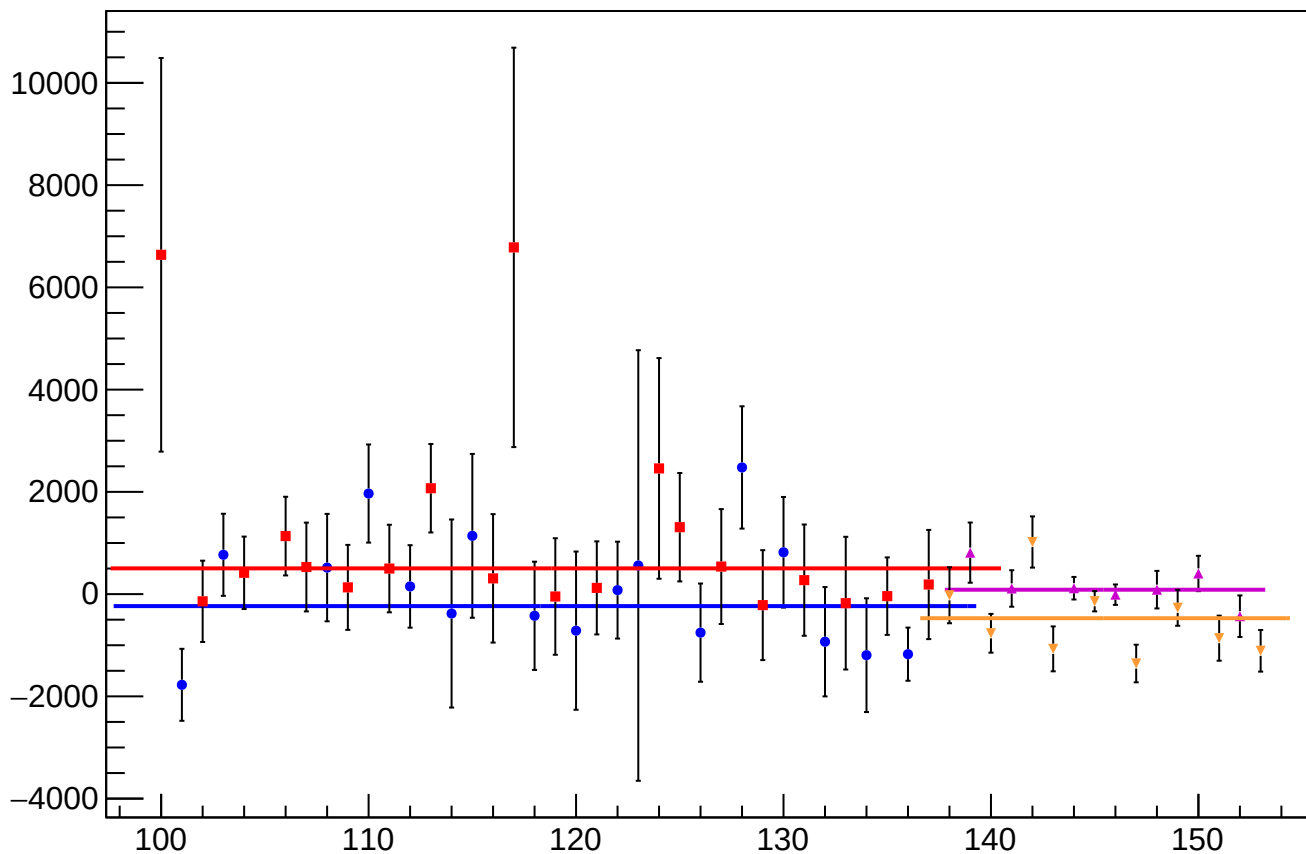
Left In: 55.778+/-0.017 χ^2/NDF : 142100.2/6

56.600+/-0.011 χ^2/NDF : 851843.6/25

57.320+/-0.008 χ^2/NDF : 1722522.6/52

58.107+/-0.012 χ^2/NDF : 862127.2/26

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -471.263 ± 118.144 χ^2/NDF : 24.2/8

Right Out: 503.638 ± 221.955 χ^2/NDF : 13.2/19

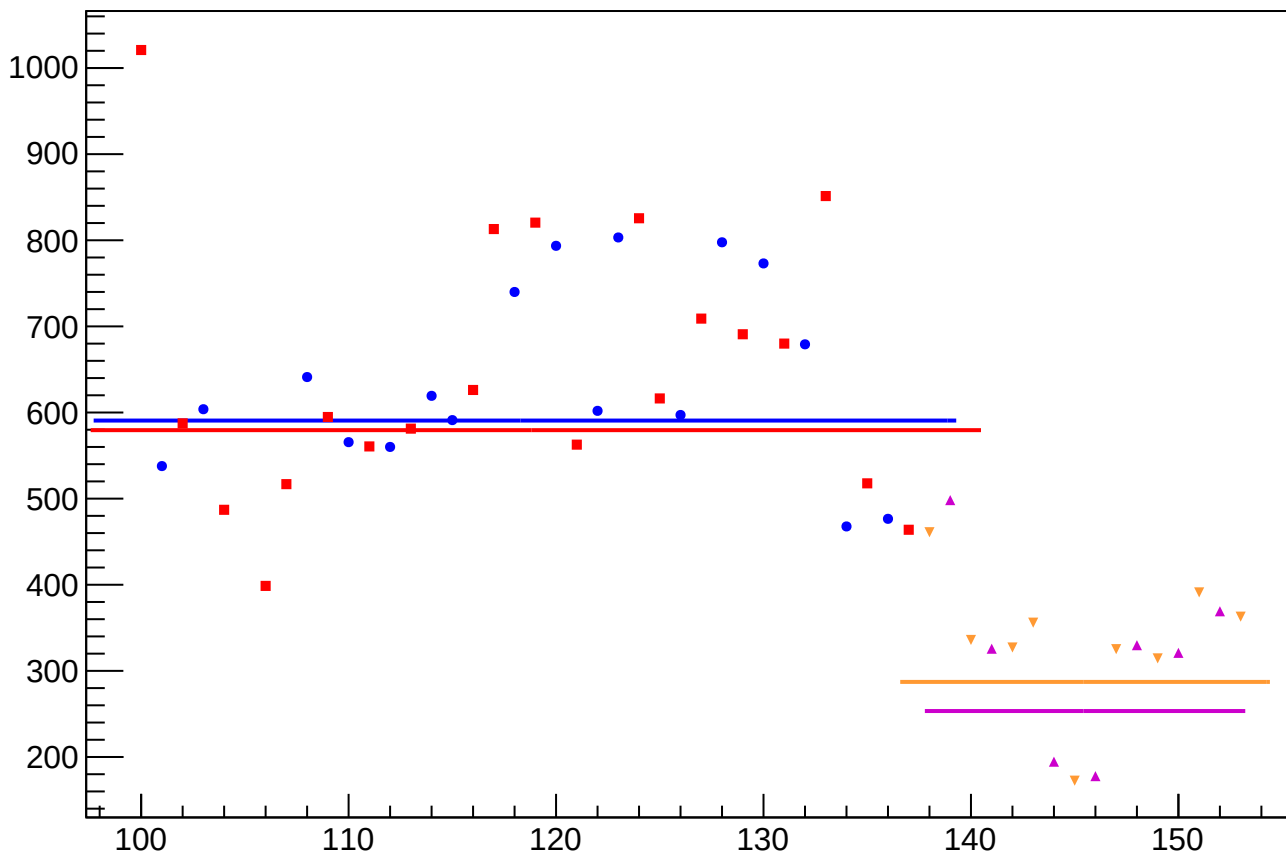
Left In: 85.992 ± 113.068 χ^2/NDF : 4.2/6

-423.128 ± 105.453 χ^2/NDF : 49.2/25

-111.971 ± 72.846 χ^2/NDF : 86.1/52

172.044 ± 100.749 χ^2/NDF : 20.2/26

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: 287.190 $\pm$ 0.084 χ^2 /NDF: 1181846.3/8

Right Out: 579.509 $\pm$ 0.157 χ^2 /NDF: 501132.1/19

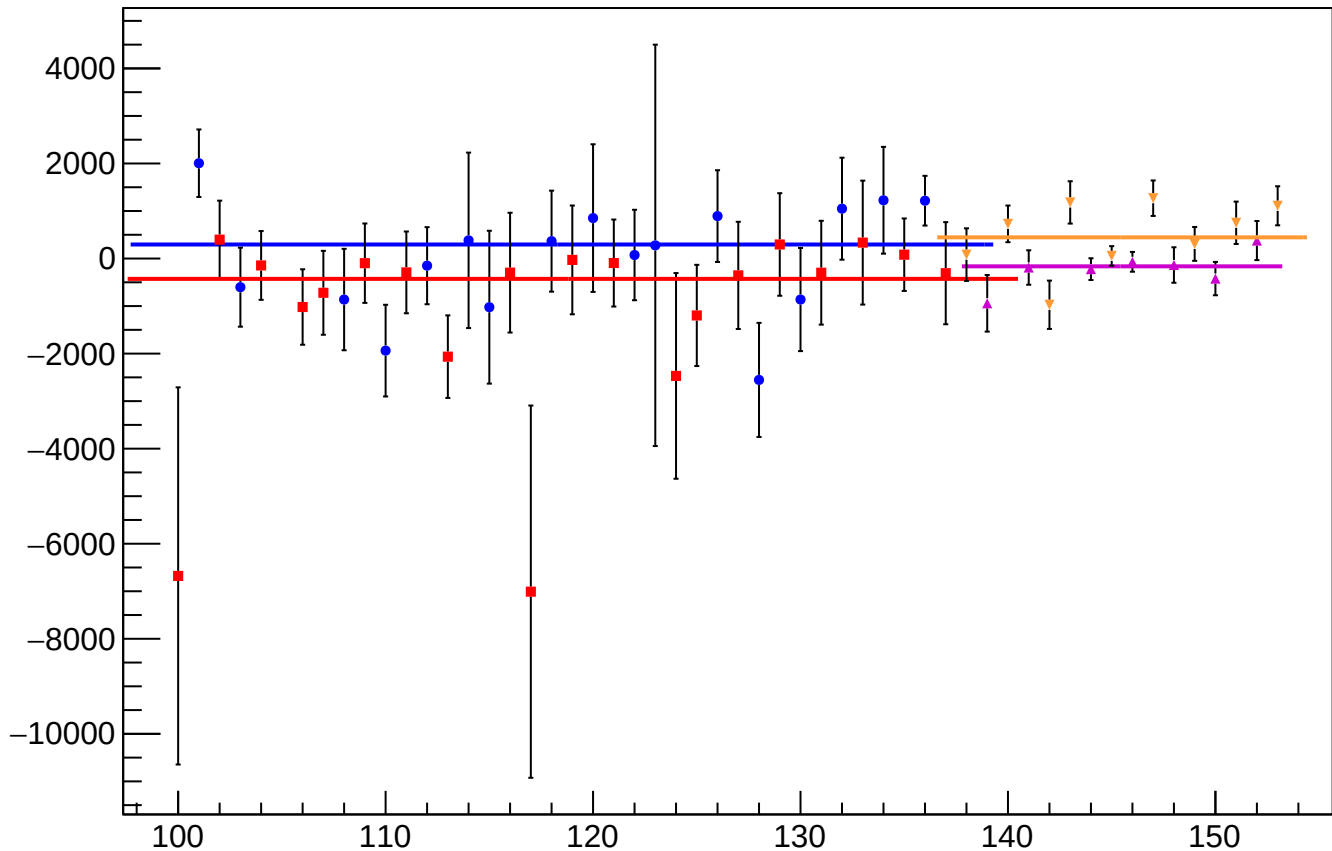
Left In: 253.368 $\pm$ 0.080 χ^2 /NDF: 1183007.4/6

348.884 $\pm$ 0.075 χ^2 /NDF: 4216610.2/25

334.080 $\pm$ 0.052 χ^2 /NDF: 9404694.3/52

320.566 $\pm$ 0.071 χ^2 /NDF: 5112683.0/26

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 ± 235.860 $\chi^2/\text{NDF}: 26.1/16$

Left Out: 445.800 ± 120.770 $\chi^2/\text{NDF}: 23.2/8$

Right Out: -427.853 ± 224.485 $\chi^2/\text{NDF}: 13.8/19$

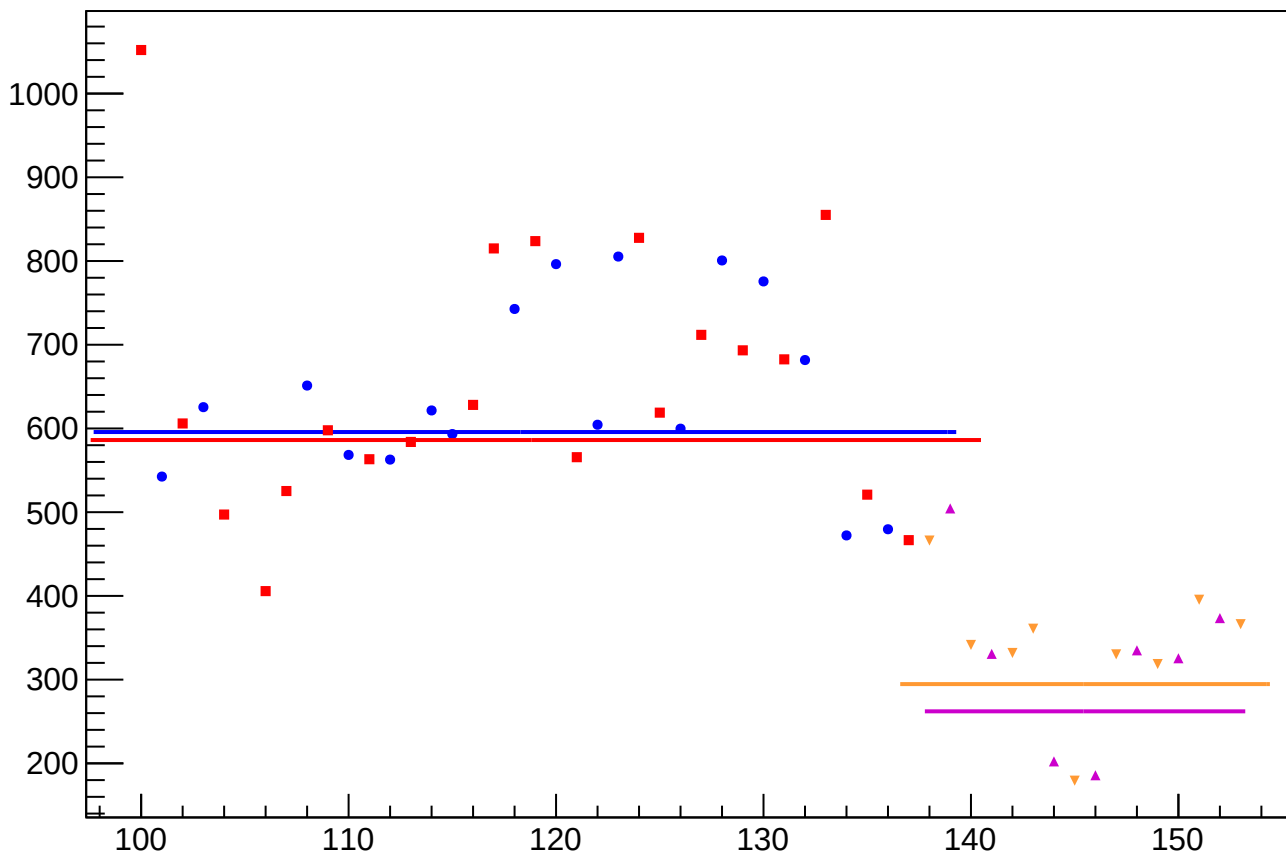
Left In: -164.007 ± 116.396 $\chi^2/\text{NDF}: 4.3/6$

414.559 ± 107.497 $\chi^2/\text{NDF}: 49.6/25$

84.792 ± 74.496 $\chi^2/\text{NDF}: 86.9/52$

-219.911 ± 103.331 $\chi^2/\text{NDF}: 19.2/26$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2/NDF : 350058.2/16

Left Out: 294.666 $\pm$ 0.085 χ^2/NDF :1095448.2/8

Right Out: 586.176 $\pm$ 0.159 χ^2/NDF : 481325.4/19

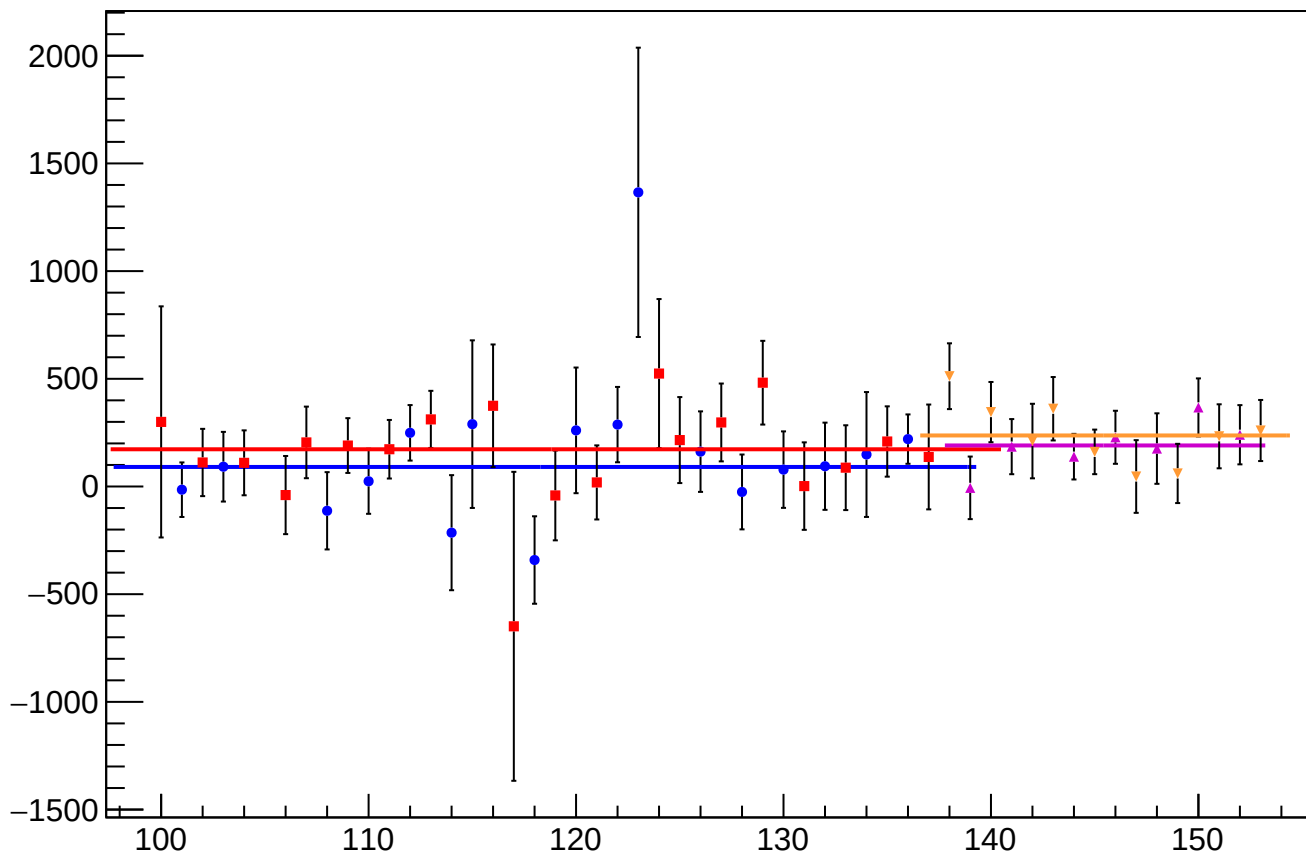
Left In: 262.128 $\pm$ 0.082 χ^2/NDF :1096167.2/6

357.204 $\pm$ 0.076 χ^2/NDF : 4027330.1/25

343.474 $\pm$ 0.053 χ^2/NDF : 8952071.3/52

330.787 $\pm$ 0.073 χ^2/NDF : 4861965.0/26

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 236.969+/-47.145 χ^2/NDF : 8.1/8

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

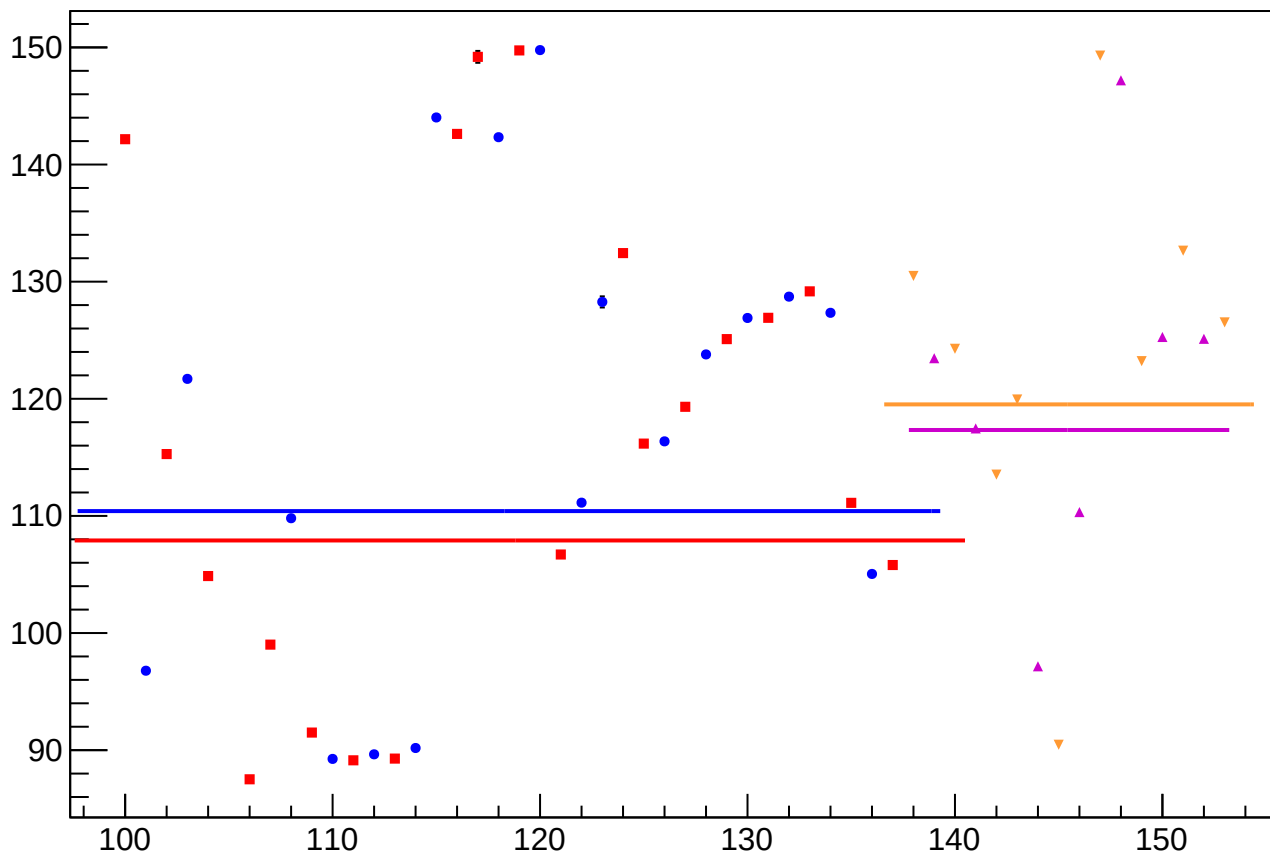
Left In: 190.556+/-49.451 χ^2/NDF : 4.0/6

157.654+/-31.895 χ^2/NDF : 30.2/25

168.955+/-22.440 χ^2/NDF : 46.2/52

180.032+/-31.578 χ^2/NDF : 15.7/26

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 ± 0.031 $\chi^2/\text{NDF}: 296425.4/16$

Left Out: 119.522 ± 0.033 $\chi^2/\text{NDF}: 257020.0/8$

Right Out: 107.903 ± 0.029 $\chi^2/\text{NDF}: 351091.4/19$

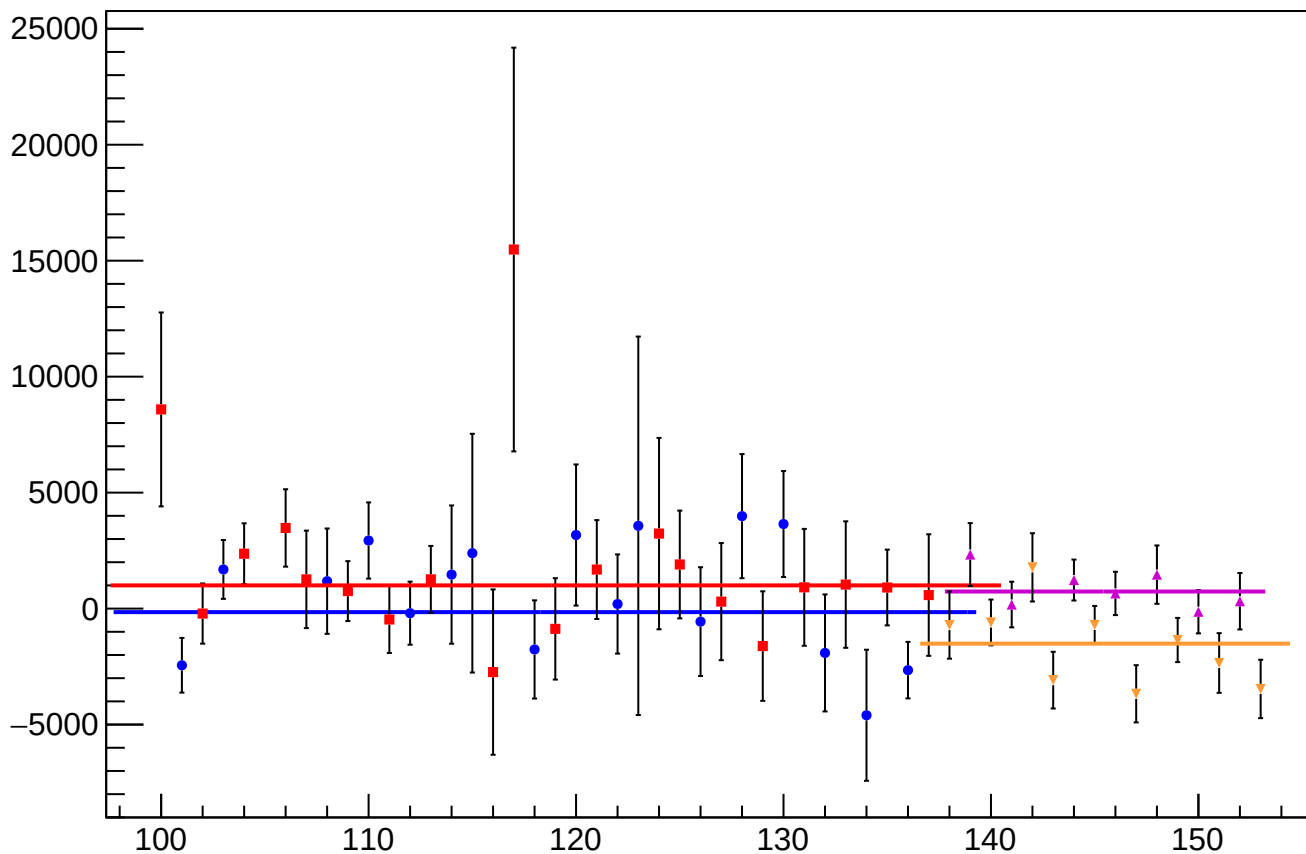
Left In: 117.336 ± 0.035 $\chi^2/\text{NDF}: 162586.2/6$

114.581 ± 0.023 $\chi^2/\text{NDF}: 593947.9/25$

113.151 ± 0.016 $\chi^2/\text{NDF}: 1158678.5/52$

111.750 ± 0.022 $\chi^2/\text{NDF}: 556769.4/26$

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 $\pm$ 464.753 χ^2 /NDF: 24.7/16

Left Out: -1510.142 $\pm$ 374.666 χ^2 /NDF:14.7/8

Right Out: 1000.907 $\pm$ 434.569 χ^2 /NDF: 15.1/19

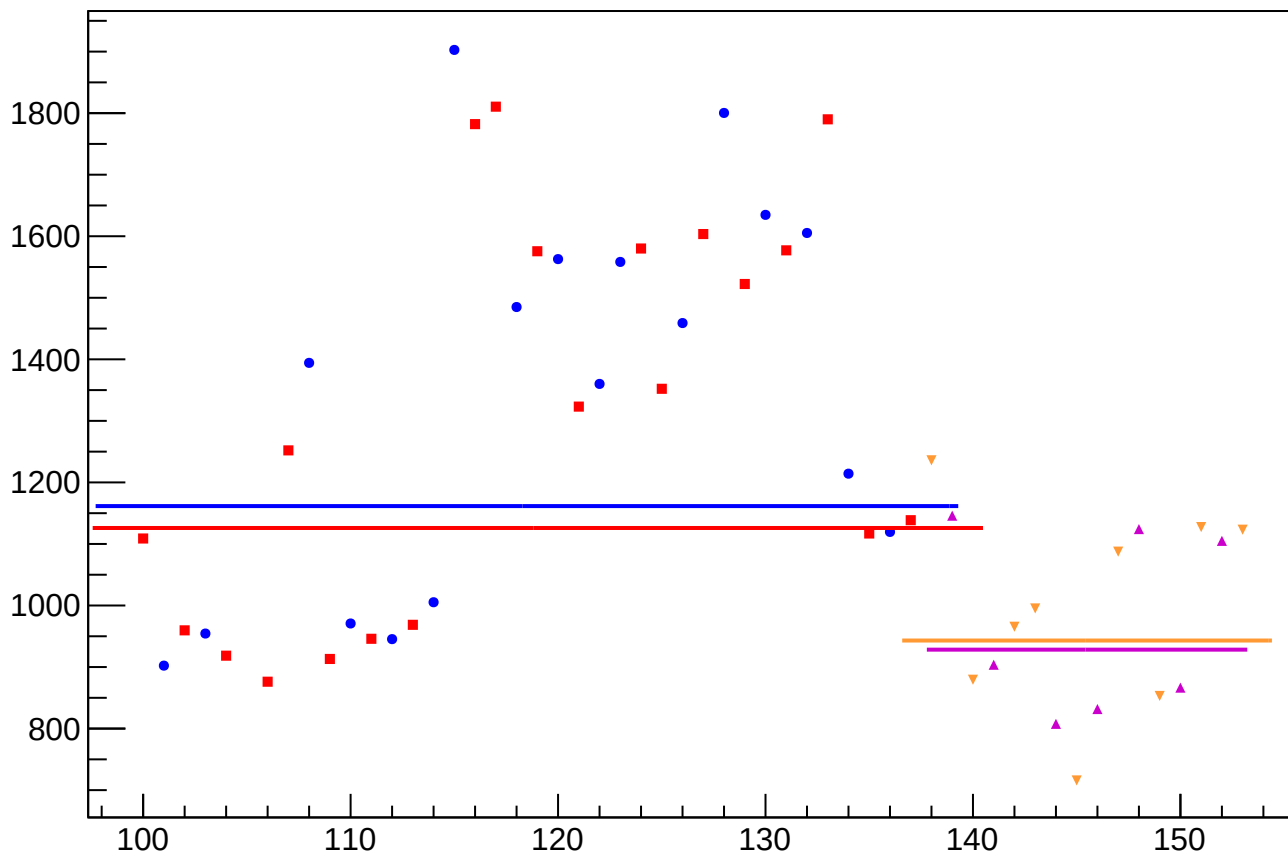
Left In: 736.627 $\pm$ 393.395 χ^2 /NDF:3.4/6

-975.326 $\pm$ 291.686 χ^2 /NDF: 44.5/25

-59.706 $\pm$ 206.239 χ^2 /NDF: 82.9/52

855.657 $\pm$ 291.645 χ^2 /NDF: 18.6/26

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: 943.089 $\pm$ 0.265 χ^2/NDF : 375984.1/8

Right Out: 1125.946 $\pm$ 0.307 χ^2/NDF : 780195.3/19

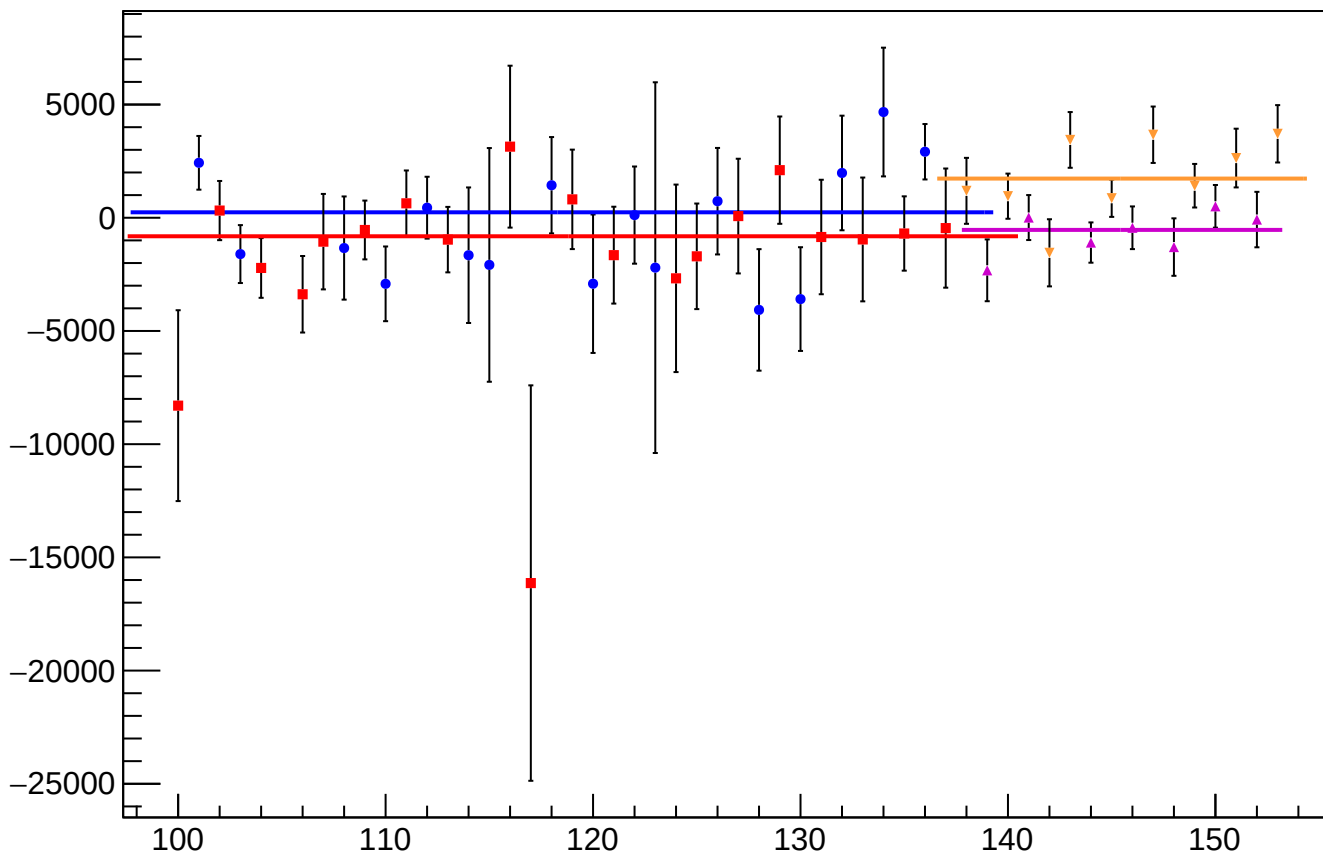
Left In: 928.258 $\pm$ 0.278 χ^2/NDF : 210843.9/6

1029.133 $\pm$ 0.206 χ^2/NDF : 1339684.8/25

1023.214 $\pm$ 0.146 χ^2/NDF : 2559840.3/52

1017.296 $\pm$ 0.206 χ^2/NDF : 1218508.2/26

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1730.390 $\pm$ 377.796 χ^2 /NDF:14.1/8

Right Out: -817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

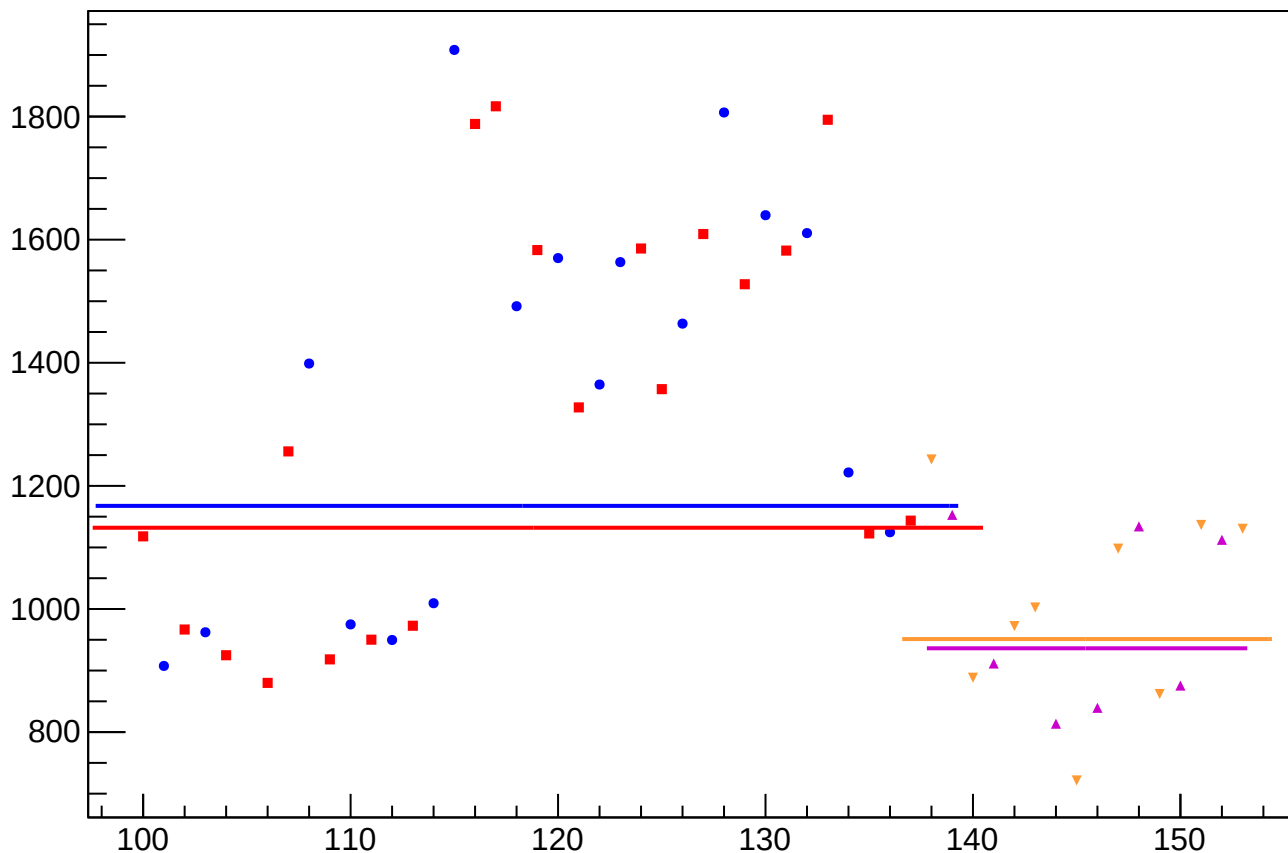
Left In: -536.382 $\pm$ 396.669 χ^2 /NDF:4.1/6

1141.178 $\pm$ 293.726 χ^2 /NDF: 45.1/25

238.766 $\pm$ 207.685 χ^2 /NDF: 83.8/52

-663.453 $\pm$ 293.695 χ^2 /NDF: 19.8/26

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 951.154 $\pm$ 0.267 χ^2/NDF : 373201.9/8

Right Out: 1132.019 $\pm$ 0.309 χ^2/NDF : 773827.8/19

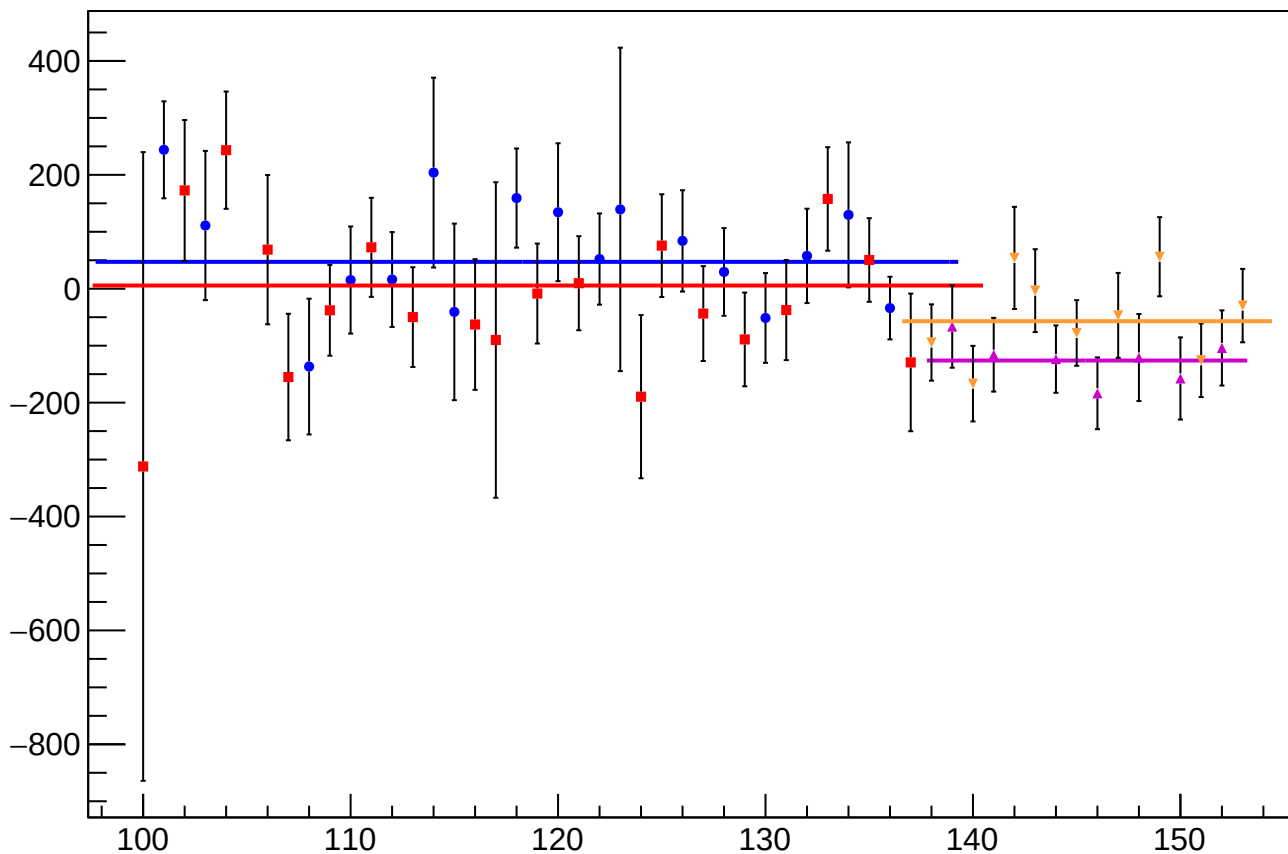
Left In: 936.146 $\pm$ 0.280 χ^2/NDF : 209107.4/6

1036.742 $\pm$ 0.208 χ^2/NDF : 1323197.2/25

1030.691 $\pm$ 0.147 χ^2/NDF : 2528159.0/52

1024.642 $\pm$ 0.208 χ^2/NDF : 1203264.8/26

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220+/-22.565 χ^2/NDF : 16.1/16

Left Out: -57.001+/-22.757 χ^2/NDF : 9.2/8

Right Out: 5.636+/-22.057 χ^2/NDF : 20.4/19

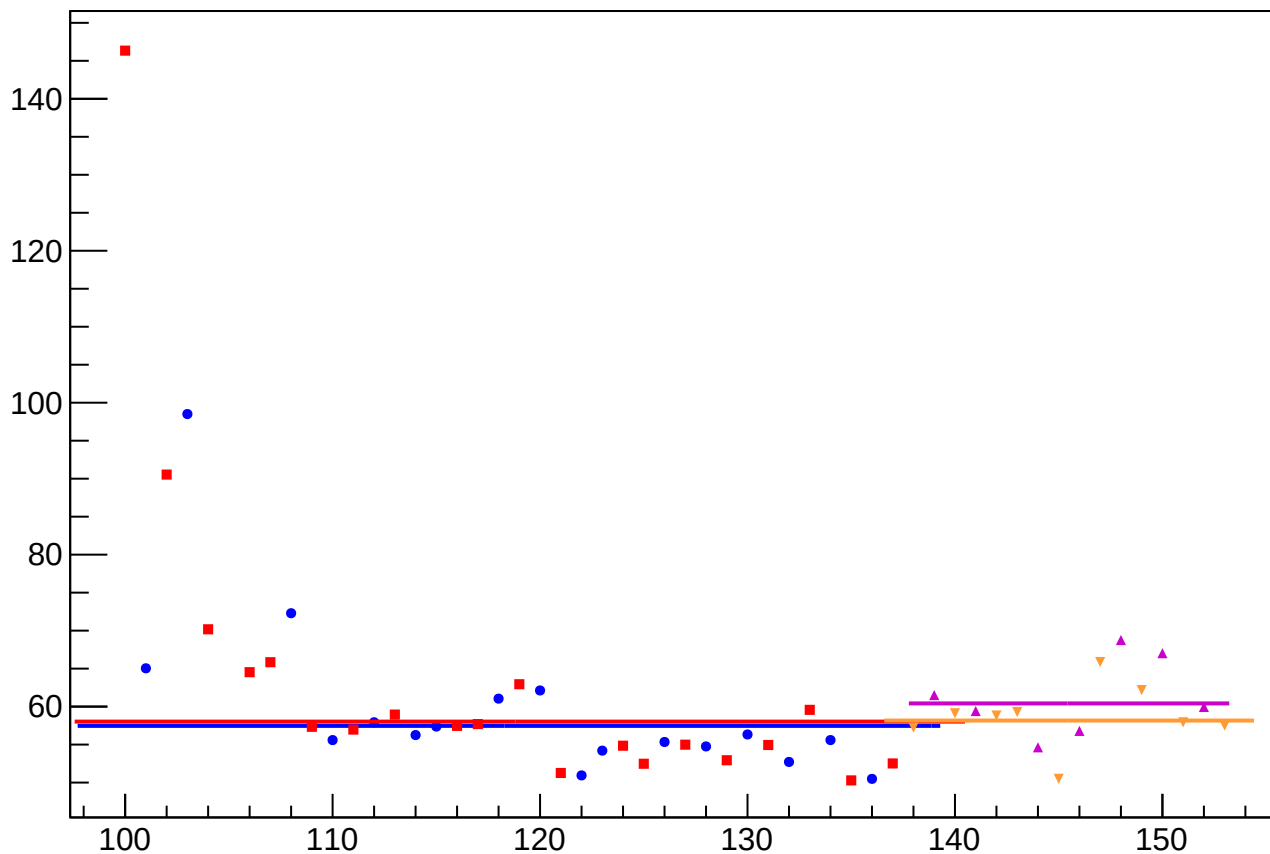
Left In: -126.058+/-25.314 χ^2/NDF : 1.8/6

-4.448+/-16.023 χ^2/NDF : 35.9/25

-26.956+/-11.539 χ^2/NDF : 77.6/52

-51.199+/-16.630 χ^2/NDF : 37.6/26

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 58.164+/-0.016 χ^2/NDF : 65036.1/8

Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

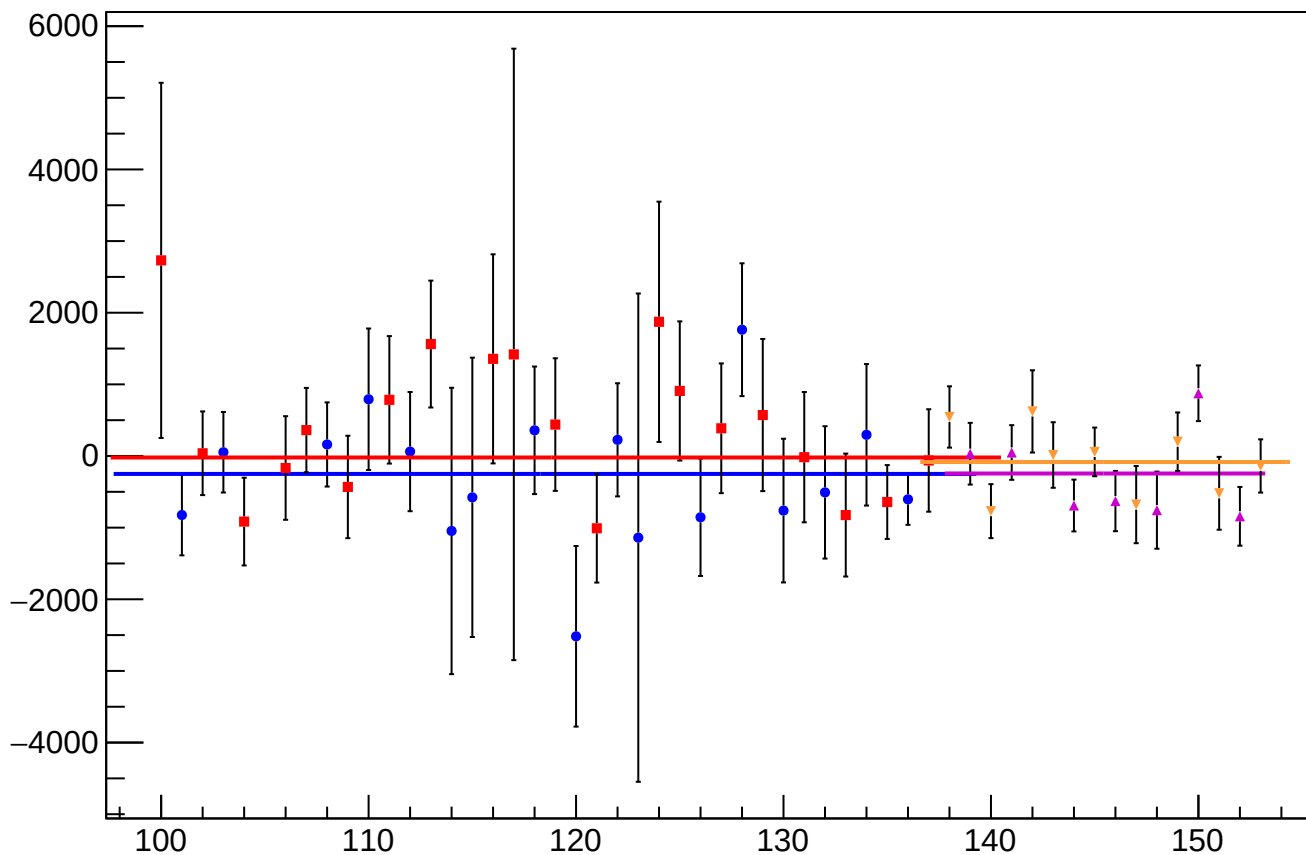
Left In: 60.419+/-0.018 χ^2/NDF : 67348.6/6

57.812+/-0.011 χ^2/NDF : 373141.9/25

58.412+/-0.008 χ^2/NDF : 757281.9/52

59.058+/-0.012 χ^2/NDF : 378310.2/26

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: -83.648+/-142.058 χ^2/NDF : 9.7/8

Right Out: -20.701+/-181.669 χ^2/NDF : 16.2/19

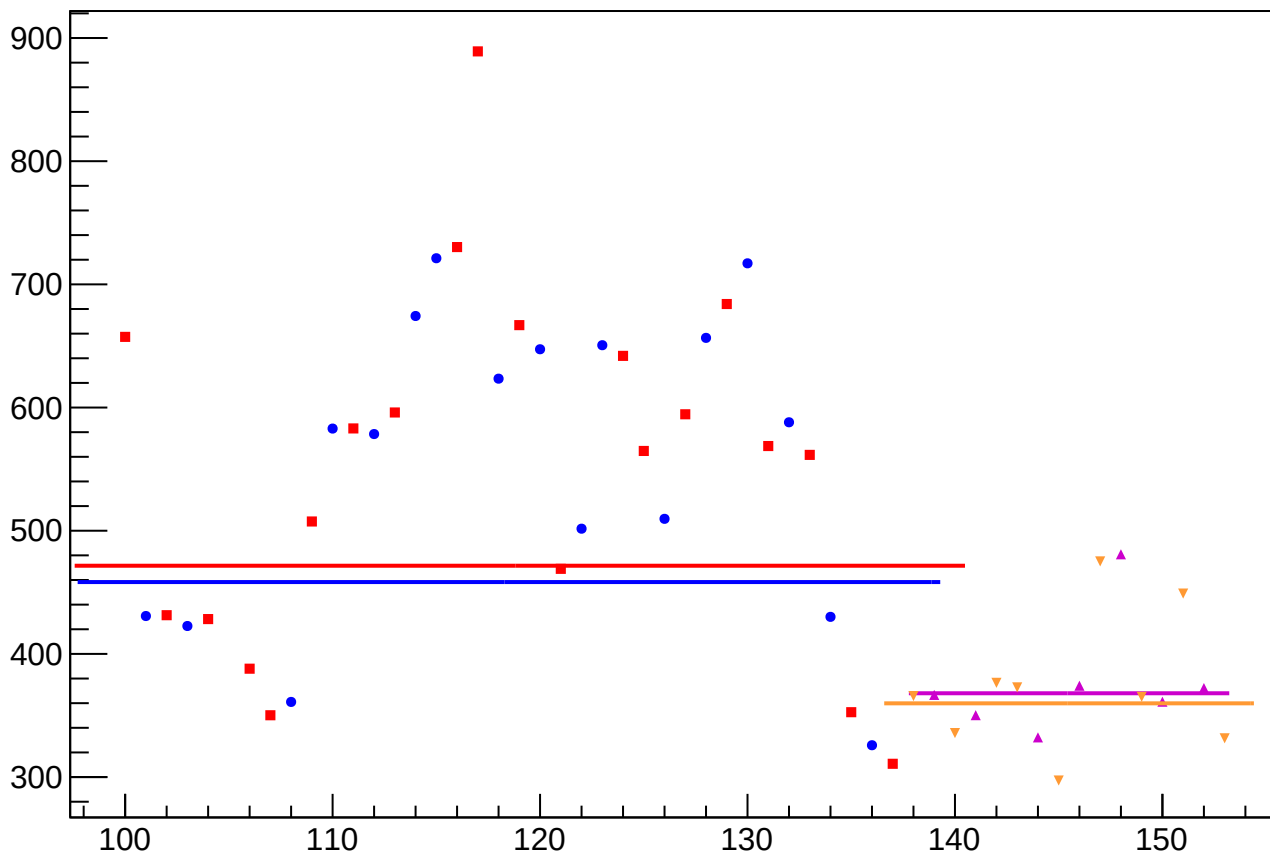
Left In: -244.266+/-155.068 χ^2/NDF : 14.7/6

-145.787+/-112.466 χ^2/NDF : 24.5/25

-147.810+/-81.393 χ^2/NDF : 56.2/52

-150.035+/-117.944 χ^2/NDF : 31.7/26

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 359.867+/-0.100 χ^2/NDF : 244716.9/8

Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

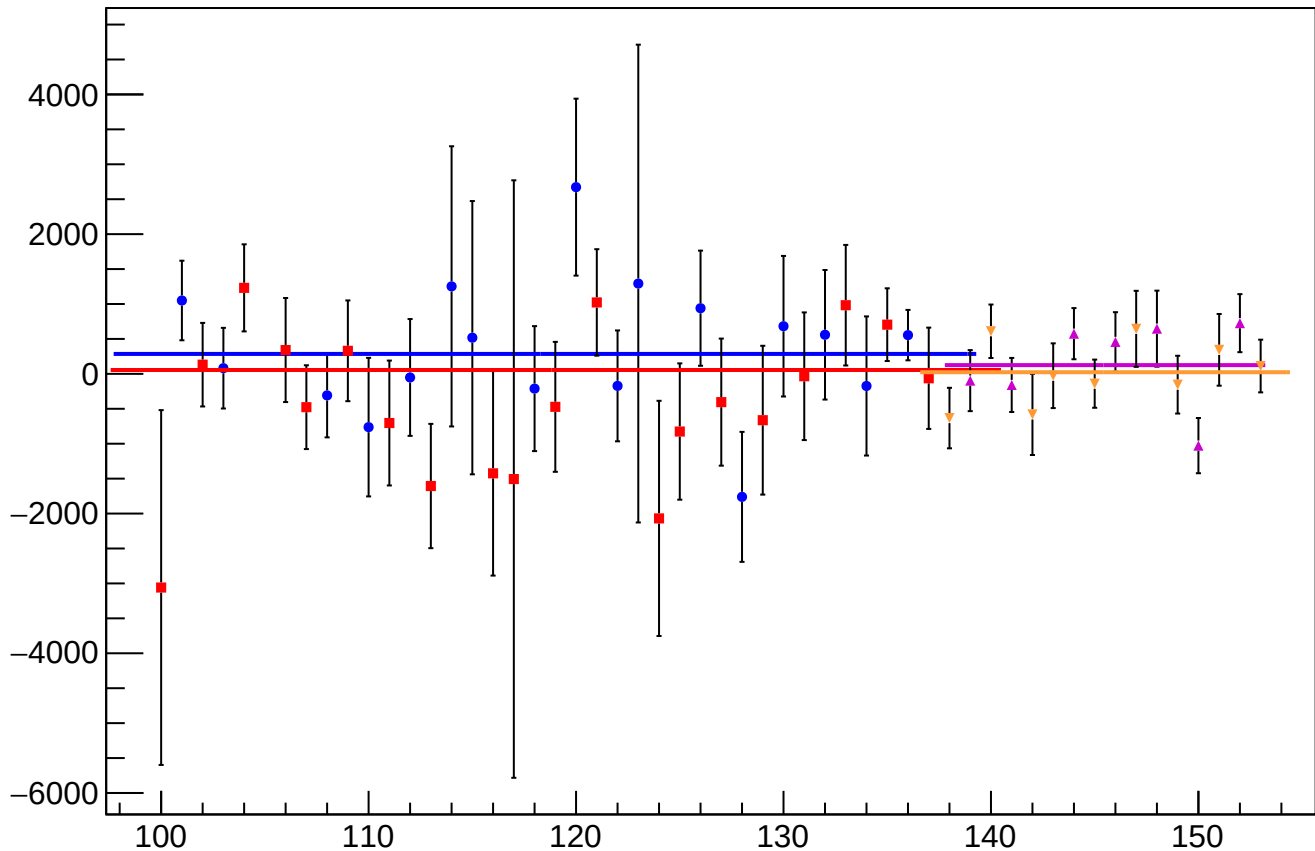
Left In: 368.050+/-0.110 χ^2/NDF : 113071.6/6

396.614+/-0.080 χ^2/NDF : 1480481.6/25

403.793+/-0.058 χ^2/NDF : 2784280.8/52

411.689+/-0.083 χ^2/NDF : 1286685.2/26

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: 23.334 $\pm$ 143.969 χ^2 /NDF: 7.9/8

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

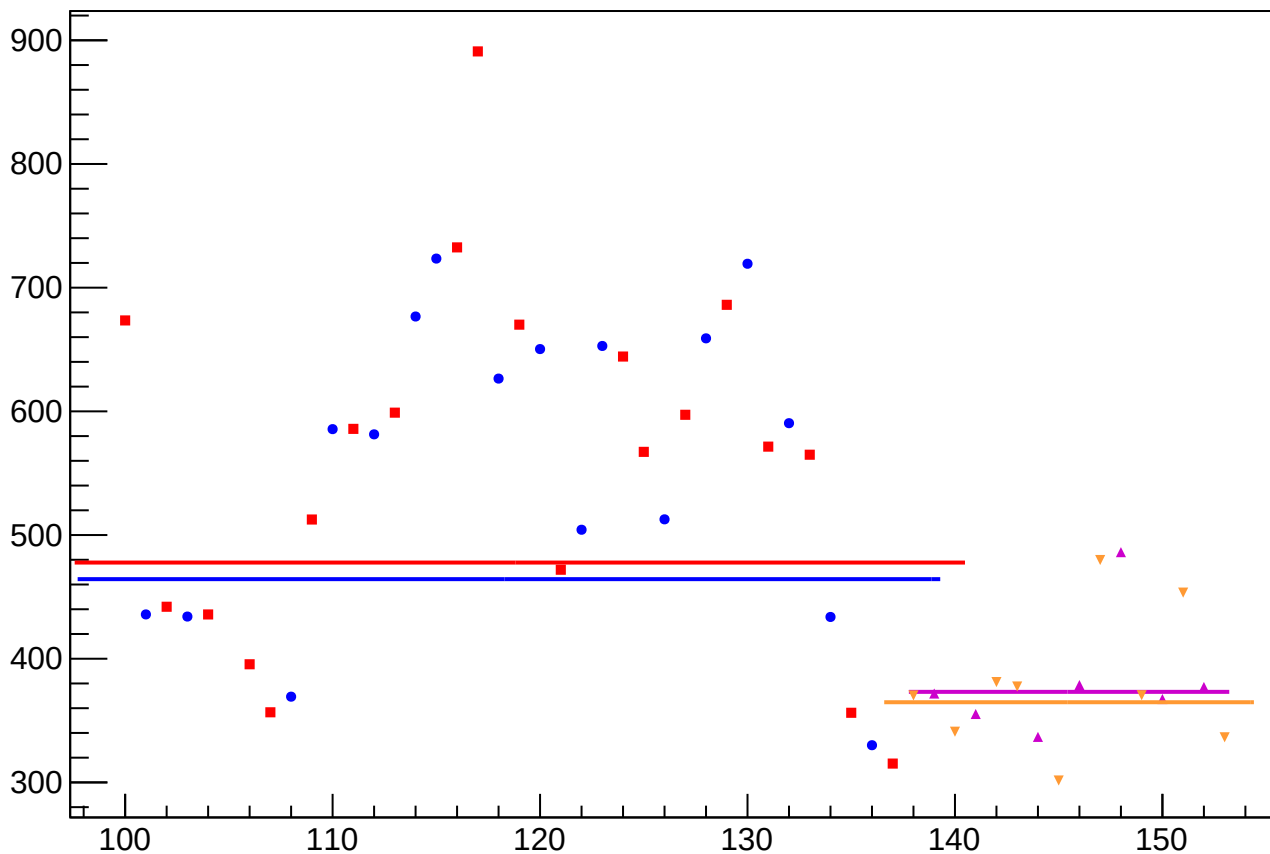
Left In: 125.103 $\pm$ 157.209 χ^2 /NDF: 14.4/6

121.326 $\pm$ 113.909 χ^2 /NDF: 24.3/25

109.055 $\pm$ 82.451 χ^2 /NDF: 58.2/52

95.550 $\pm$ 119.498 χ^2 /NDF: 33.8/26

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 364.825 $\pm$ 0.102 χ^2 /NDF: 239151.9/8

Right Out: 477.754 $\pm$ 0.130 χ^2 /NDF: 768041.0/19

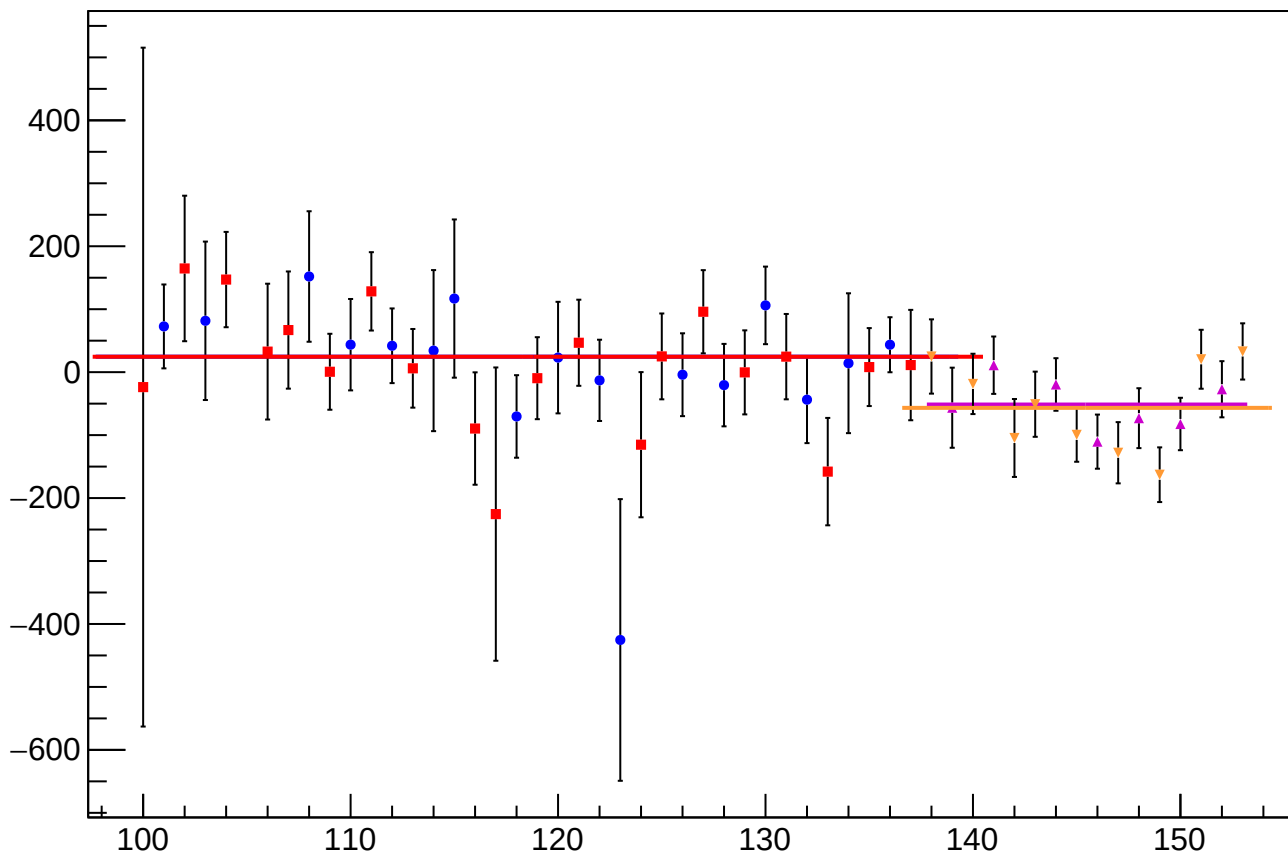
Left In: 373.213 $\pm$ 0.111 χ^2 /NDF: 111146.4/6

402.043 $\pm$ 0.081 χ^2 /NDF: 1442443.0/25

409.332 $\pm$ 0.058 χ^2 /NDF: 2712239.4/52

417.353 $\pm$ 0.084 χ^2 /NDF: 1252597.7/26

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -56.716+/-16.193 χ^2/NDF : 19.0/8

Right Out: 24.491+/-17.338 χ^2/NDF : 18.0/19

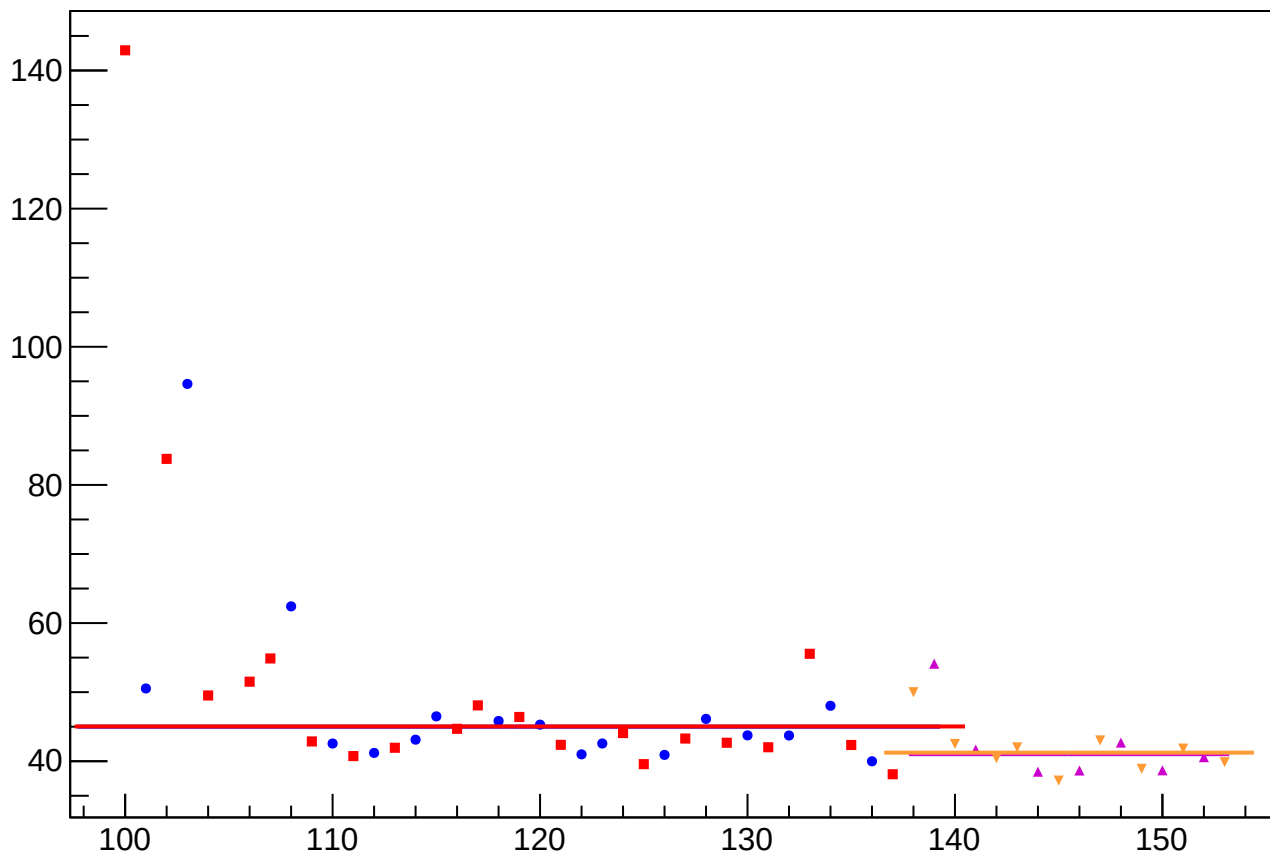
Left In: -51.421+/-17.240 χ^2/NDF : 5.4/6

-19.990+/-11.990 χ^2/NDF : 43.4/25

-16.896+/-8.560 χ^2/NDF : 76.6/52

-13.681+/-12.225 χ^2/NDF : 33.0/26

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001+/-0.013 χ^2/NDF : 438352.8/16

Left Out: 41.244+/-0.011 χ^2/NDF : 74673.9/8

Right Out: 45.034+/-0.012 χ^2/NDF : 415853.3/19

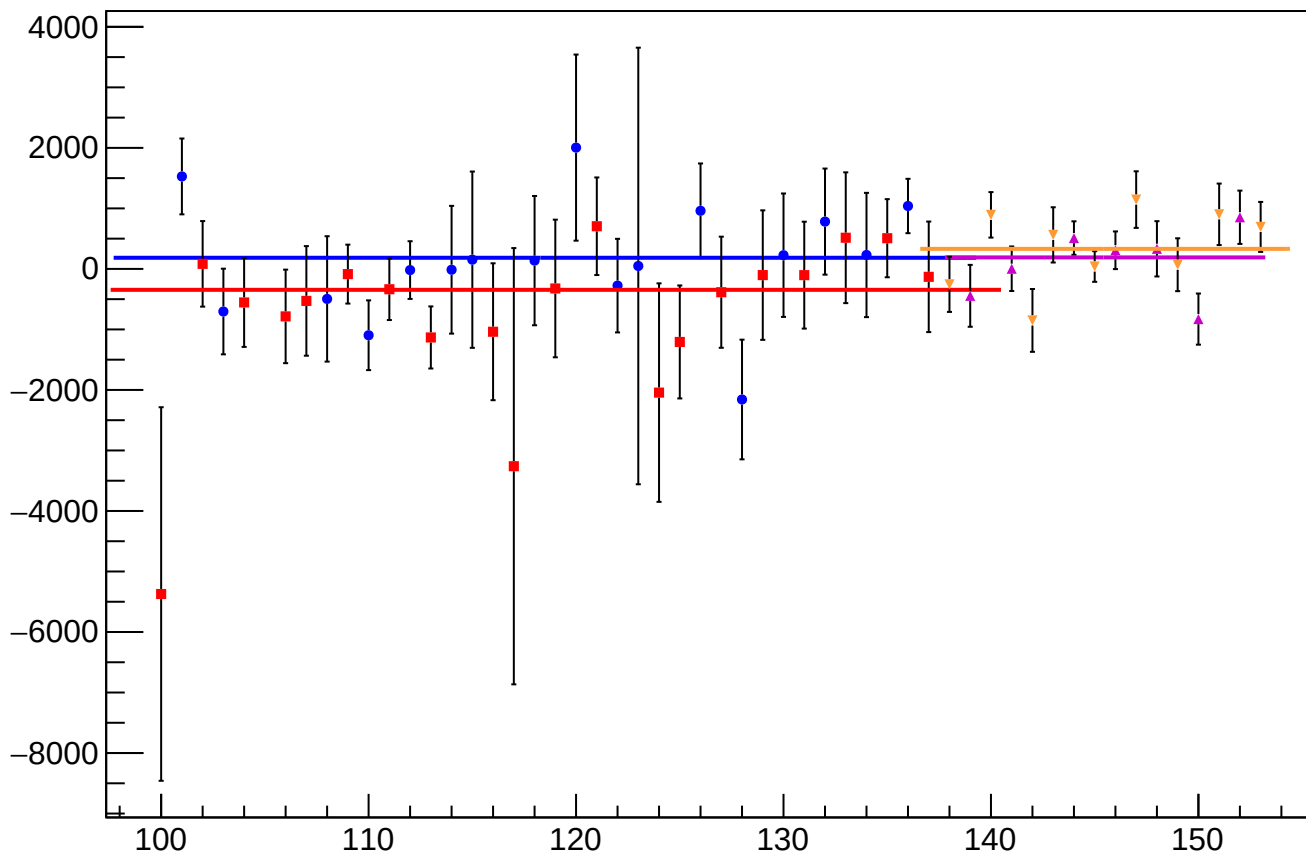
Left In: 41.021+/-0.012 χ^2/NDF : 107560.2/6

42.941+/-0.008 χ^2/NDF : 561661.5/25

42.978+/-0.006 χ^2/NDF : 1139005.2/52

43.016+/-0.009 χ^2/NDF : 577305.8/26

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: 331.564 $\pm$ 134.169 χ^2 /NDF: 16.1/8

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

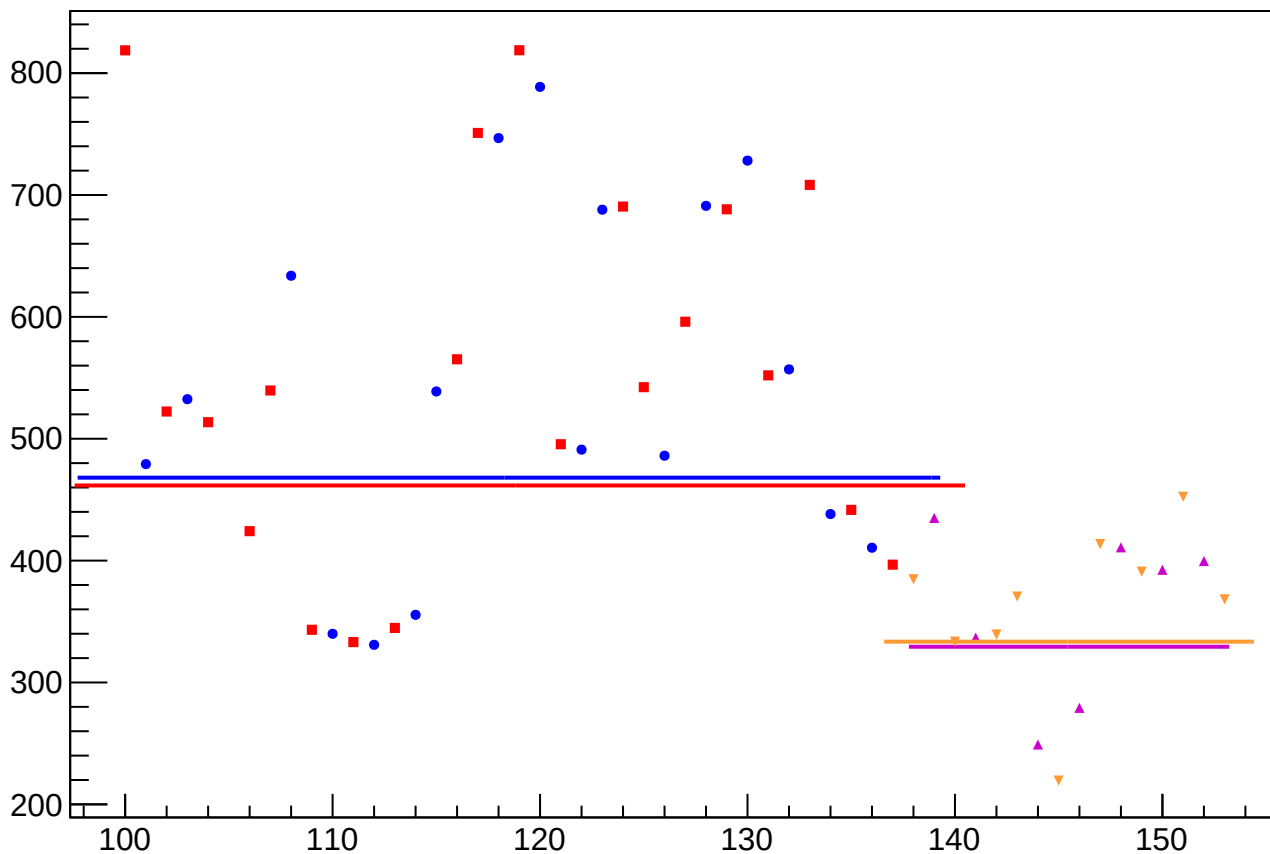
Left In: 189.899 $\pm$ 141.206 χ^2 /NDF: 11.5/6

282.026 $\pm$ 109.319 χ^2 /NDF: 40.7/25

135.515 $\pm$ 77.854 χ^2 /NDF: 74.5/52

-15.269 $\pm$ 110.901 χ^2 /NDF: 30.1/26

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: 333.495+/-0.095 χ^2/NDF : 660852.8/8

Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

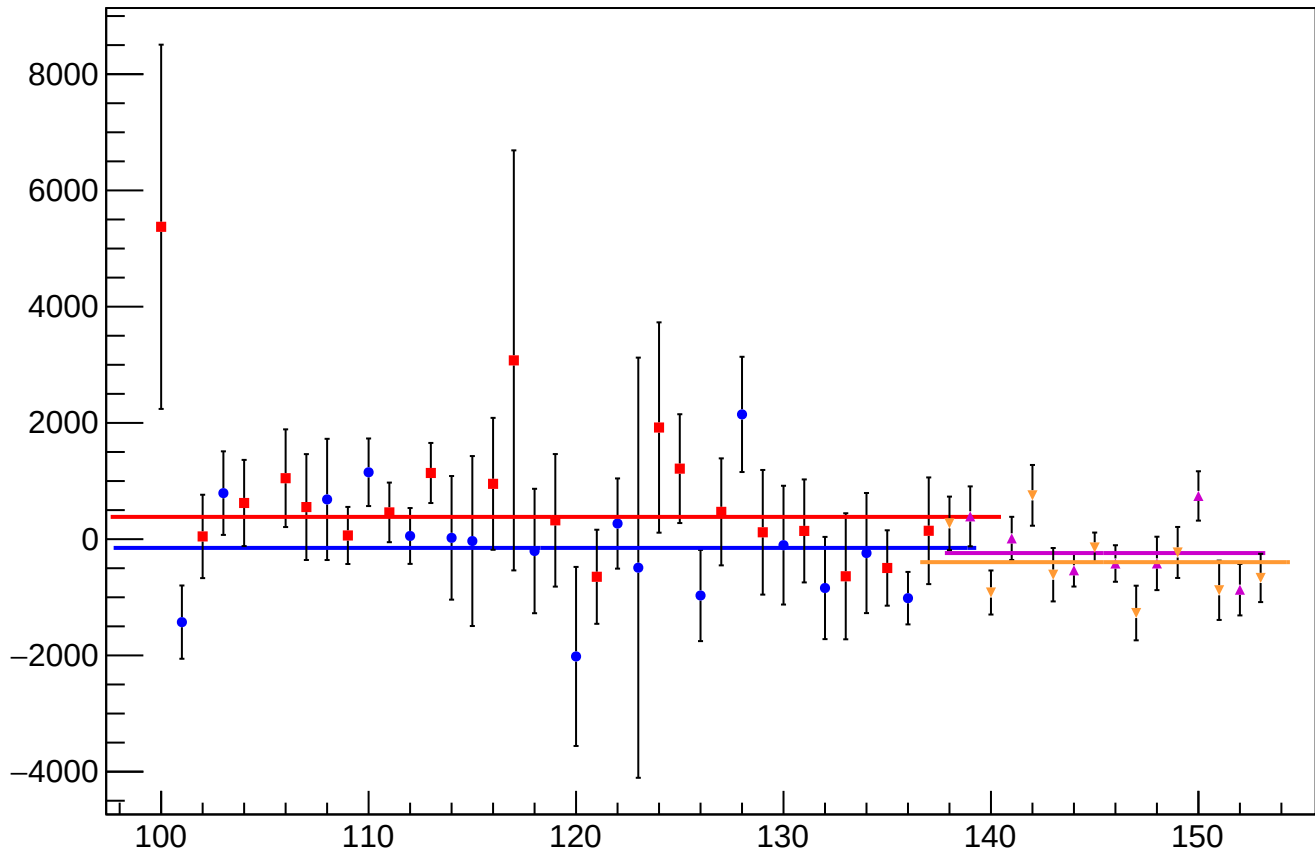
Left In: 329.318+/-0.100 χ^2/NDF : 465937.2/6

378.730+/-0.077 χ^2/NDF : 2217510.4/25

379.369+/-0.055 χ^2/NDF : 4324624.3/52

380.026+/-0.078 χ^2/NDF : 2106975.1/26

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -395.345+/-135.334 χ^2/NDF :15.0/8

Right Out: 383.331+/-181.030 χ^2/NDF : 13.0/19

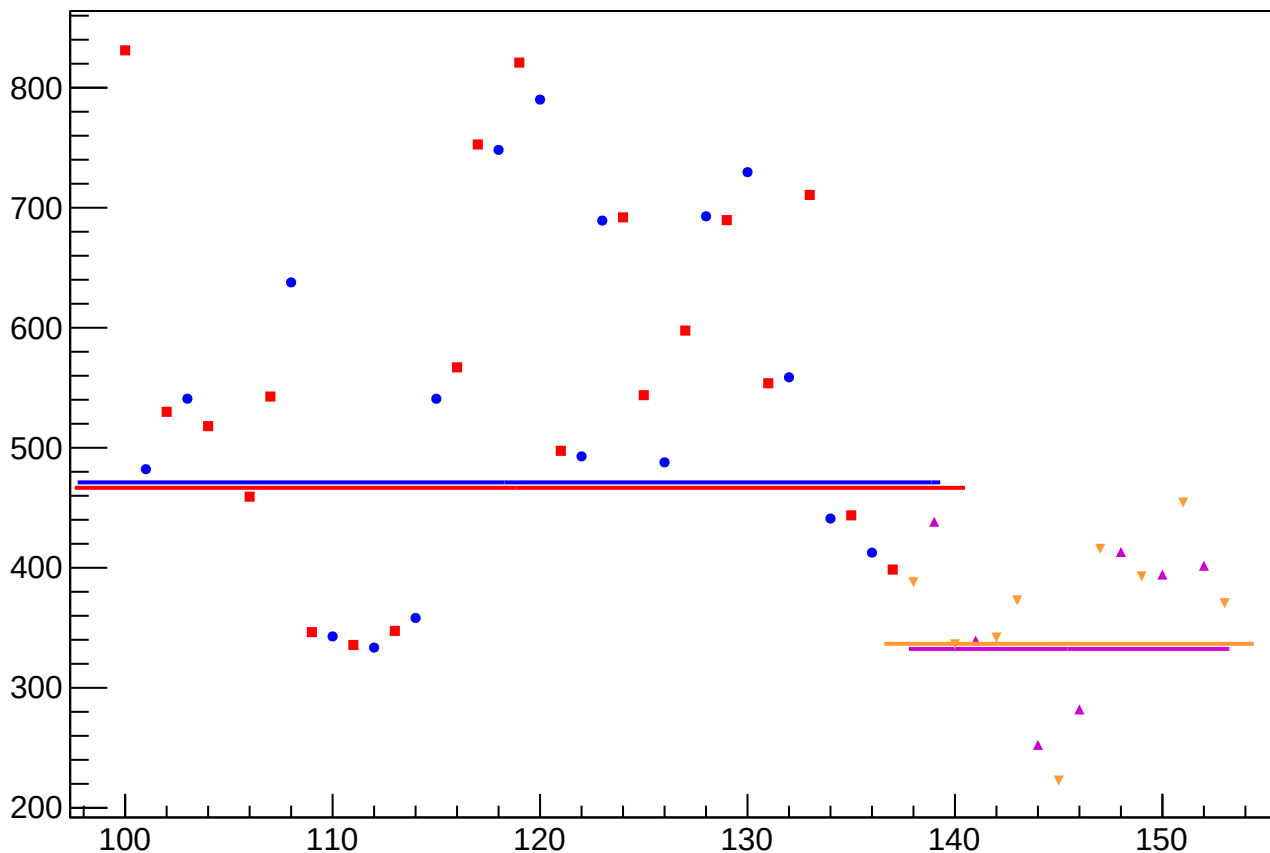
Left In: -238.967+/-142.430 χ^2/NDF :10.9/6

-312.713+/-110.177 χ^2/NDF : 40.3/25

-159.345+/-78.522 χ^2/NDF : 75.4/52

-1.037+/-111.937 χ^2/NDF : 31.2/26

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 336.685+/-0.096 χ^2/NDF : 640220.8/8

Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

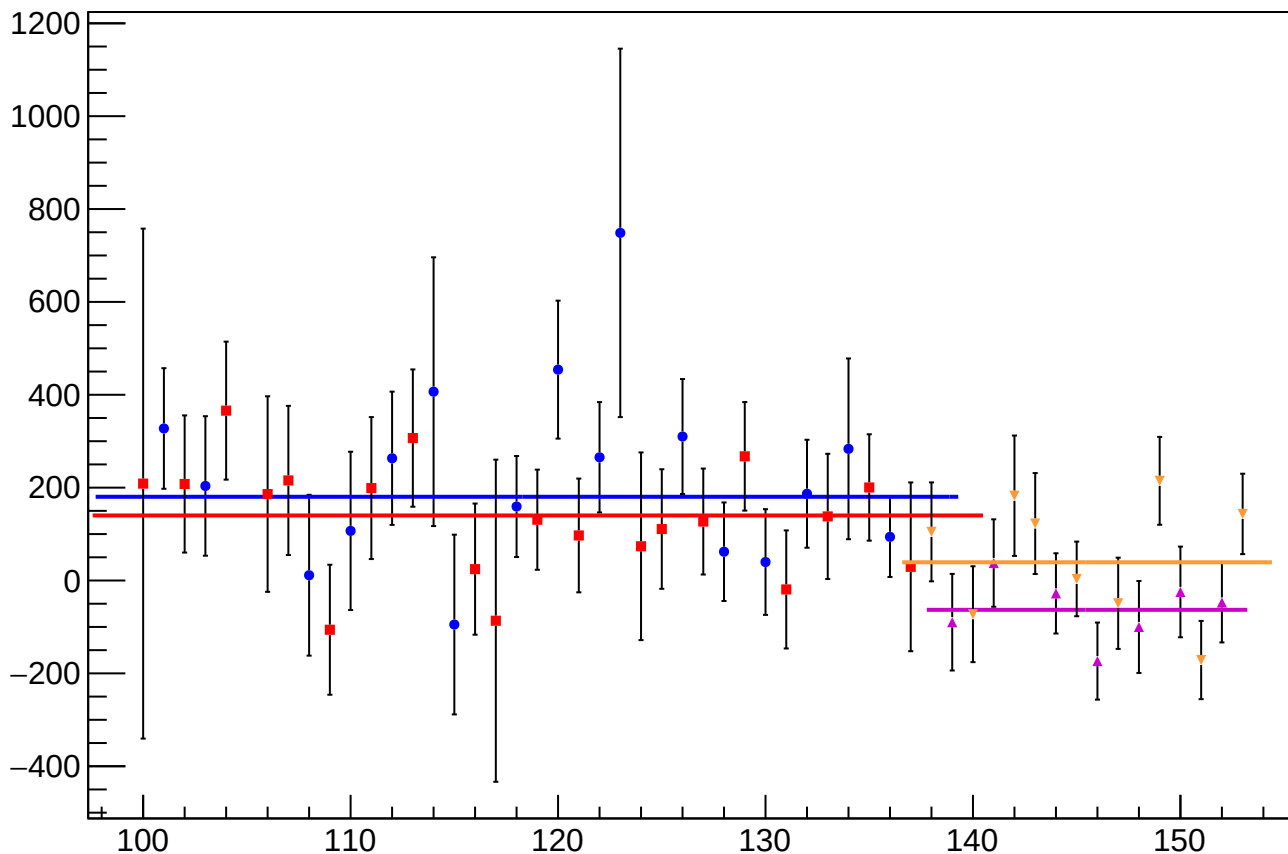
Left In: 332.410+/-0.101 χ^2/NDF : 453376.4/6

382.032+/-0.078 χ^2/NDF : 2177921.5/25

382.871+/-0.056 χ^2/NDF : 4263945.1/52

383.737+/-0.079 χ^2/NDF : 2085787.8/26

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 ± 32.769 $\chi^2/\text{NDF}: 16.6/16$

Left Out: 39.280 ± 32.102 $\chi^2/\text{NDF}: 15.5/8$

Right Out: 140.070 ± 32.198 $\chi^2/\text{NDF}: 12.1/19$

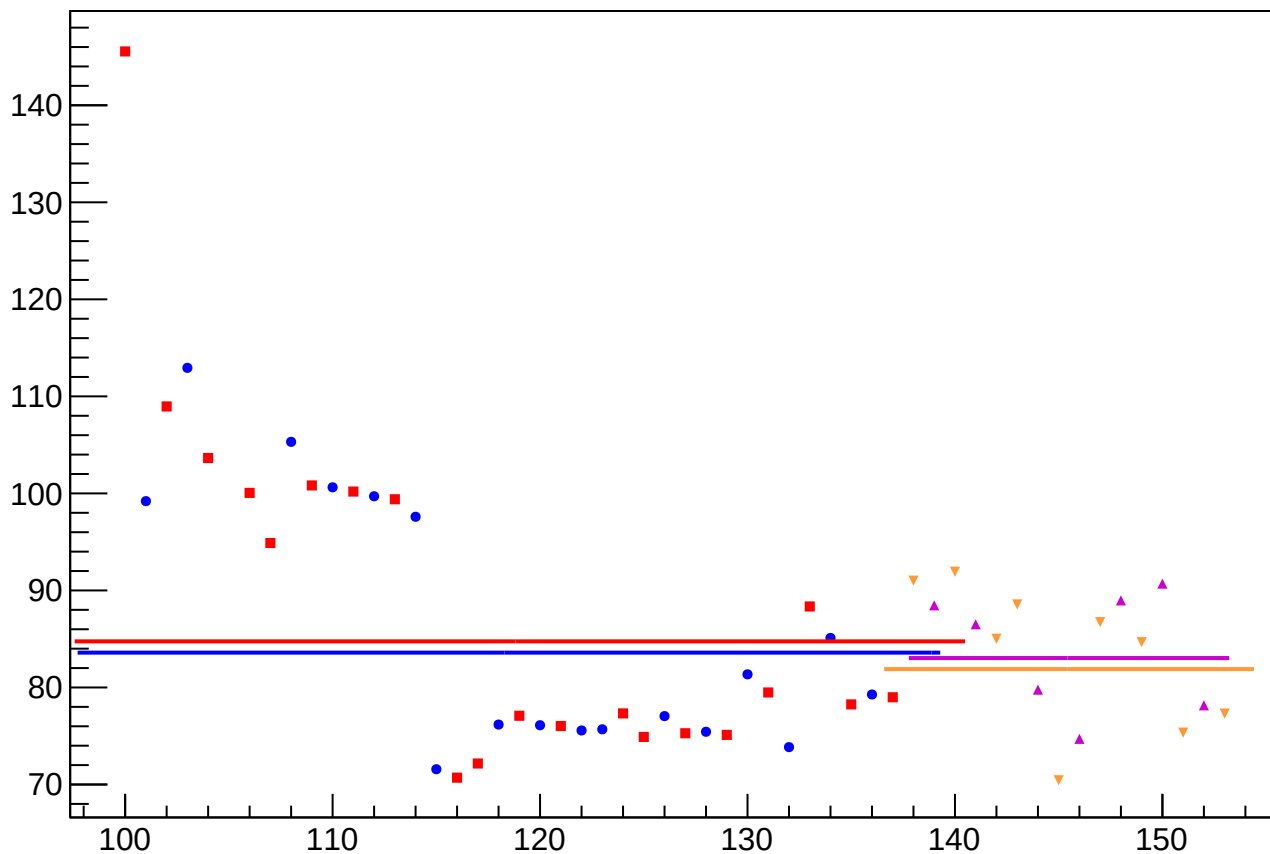
Left In: -63.125 ± 34.788 $\chi^2/\text{NDF}: 3.5/6$

108.353 ± 22.932 $\chi^2/\text{NDF}: 41.5/25$

78.265 ± 16.457 $\chi^2/\text{NDF}: 79.0/52$

46.316 ± 23.630 $\chi^2/\text{NDF}: 34.0/26$

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 81.895 $\pm$ 0.023 χ^2 /NDF: 107105.7/8

Right Out: 84.752 $\pm$ 0.023 χ^2 /NDF: 293262.6/19

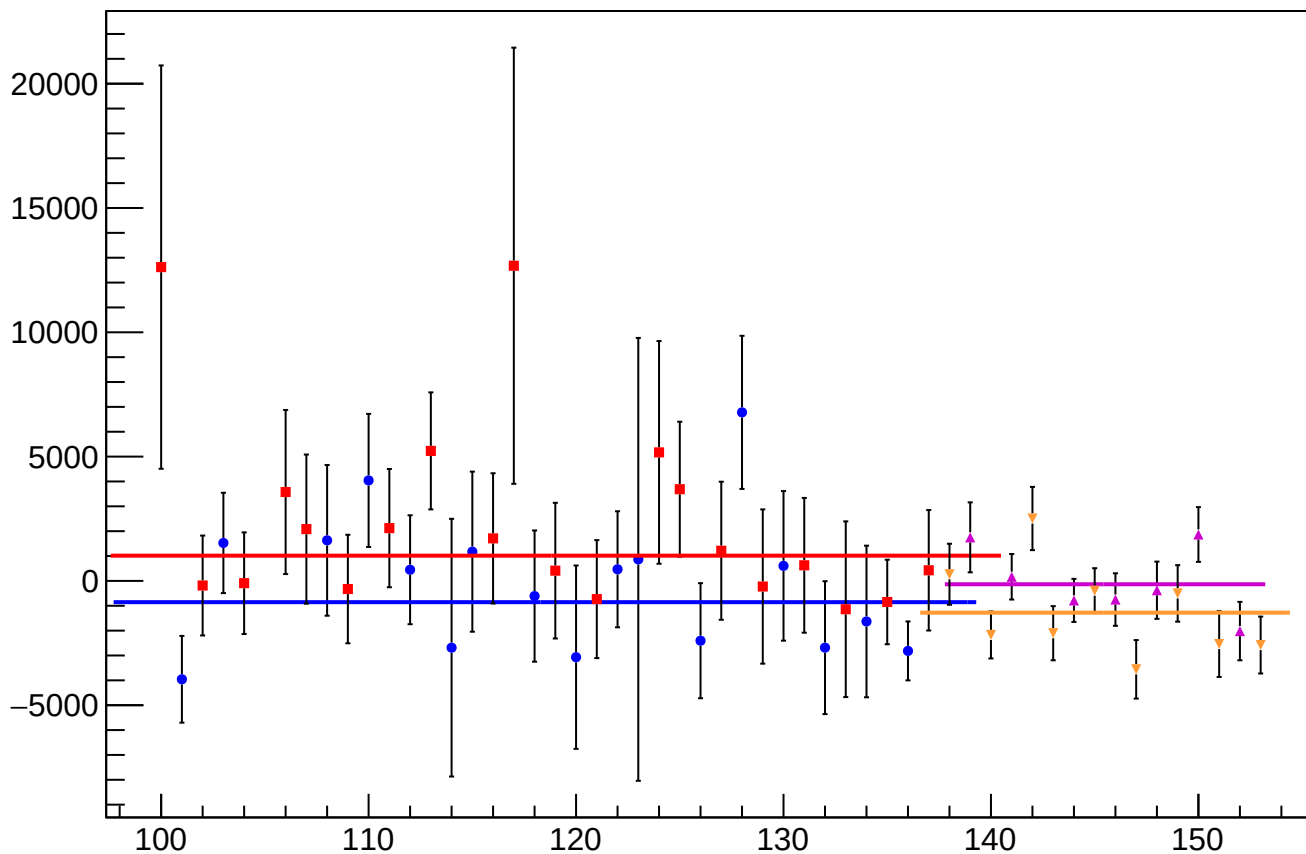
Left In: 83.034 $\pm$ 0.025 χ^2 /NDF: 57112.3/6

82.725 $\pm$ 0.016 χ^2 /NDF: 365761.0/25

83.324 $\pm$ 0.012 χ^2 /NDF: 721570.2/52

83.959 $\pm$ 0.017 χ^2 /NDF: 353000.8/26

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308 ± 583.290 $\chi^2/\text{NDF}: 20.3/16$

Left Out: -1277.889 ± 370.187 $\chi^2/\text{NDF}: 19.3/8$

Right Out: 1015.523 ± 587.747 $\chi^2/\text{NDF}: 13.3/19$

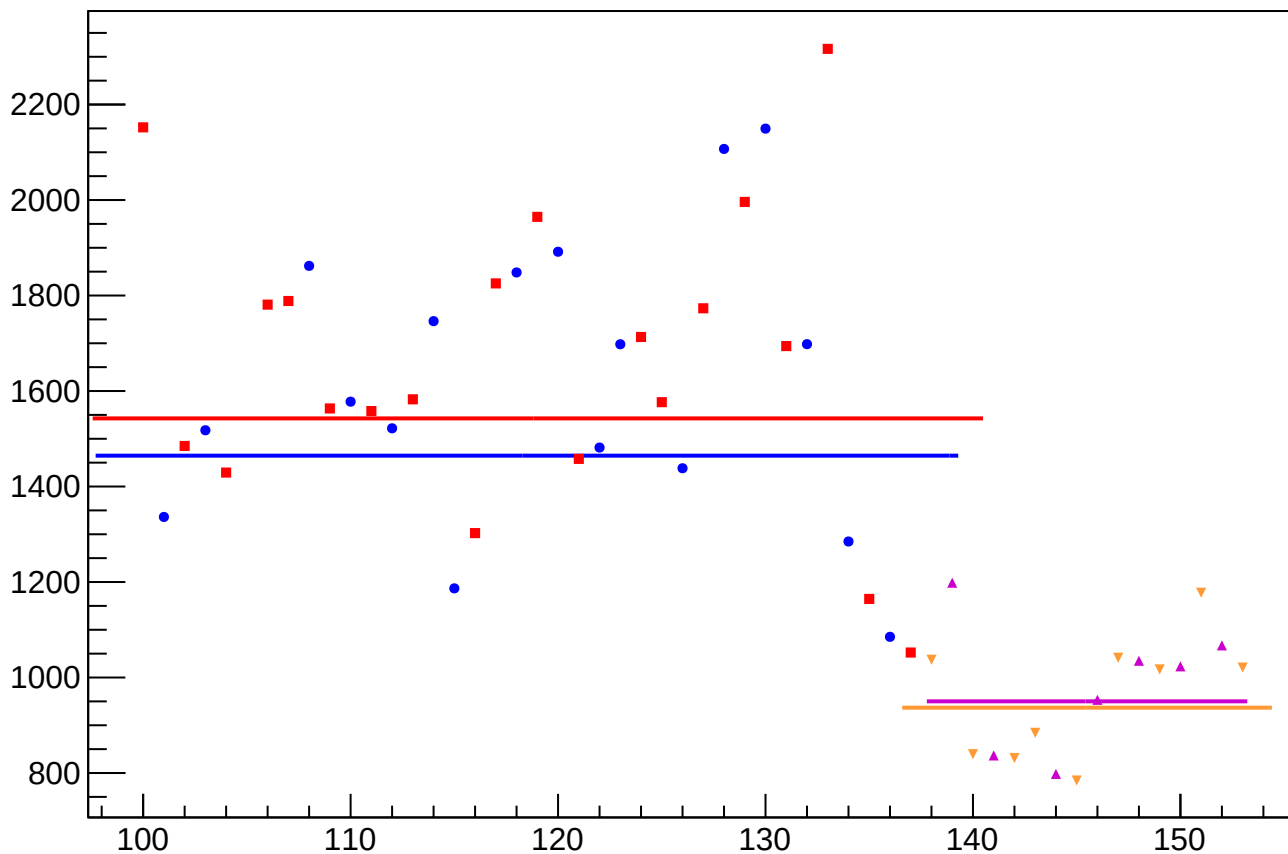
Left In: -134.767 ± 400.723 $\chi^2/\text{NDF}: 8.7/6$

-1156.552 ± 312.554 $\chi^2/\text{NDF}: 40.0/25$

-503.055 ± 227.280 $\chi^2/\text{NDF}: 73.9/52$

230.258 ± 331.092 $\chi^2/\text{NDF}: 24.6/26$

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: 936.891 $\pm$ 0.262 χ^2 /NDF:212762.8/8

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

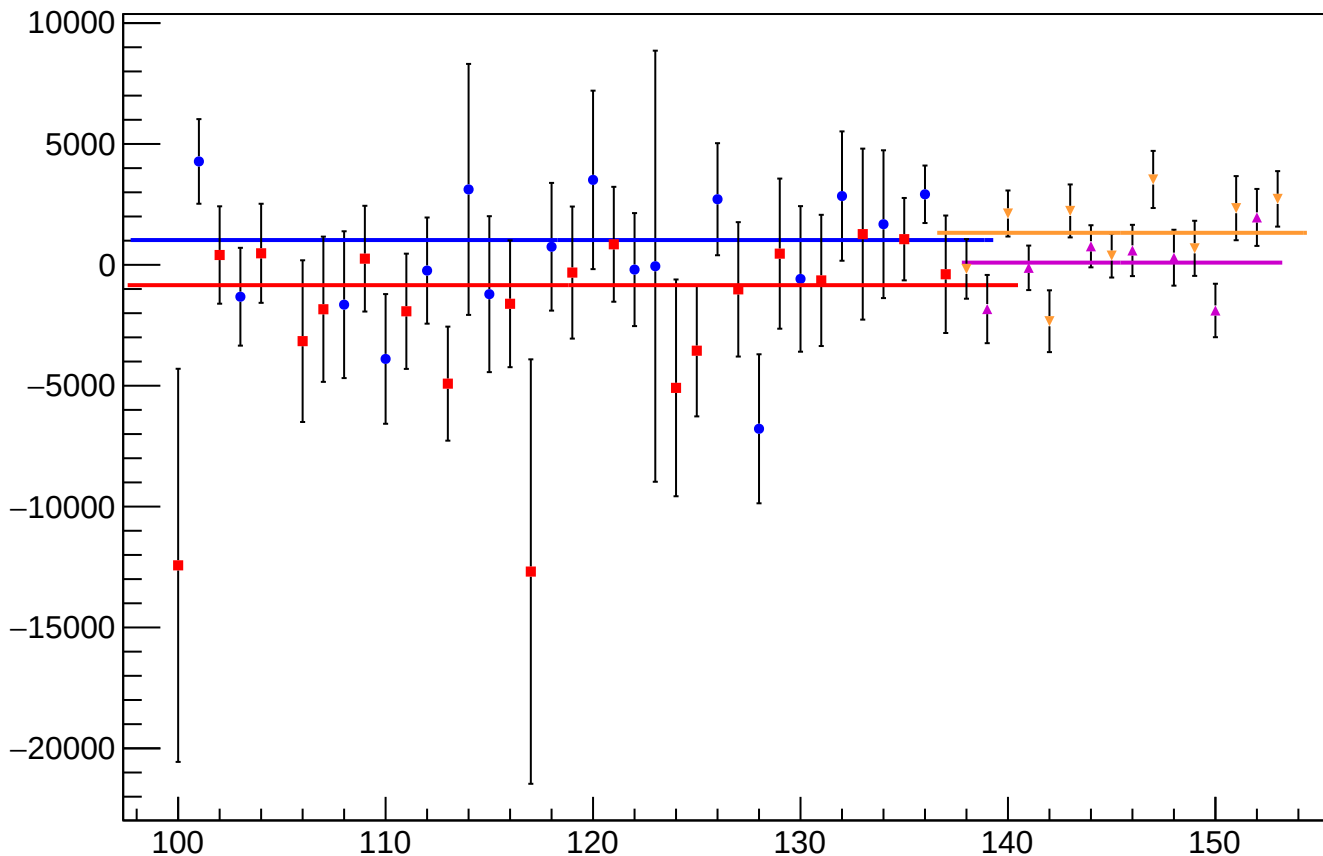
Left In: 950.134 $\pm$ 0.283 χ^2 /NDF:194112.5/6

1088.423 $\pm$ 0.221 χ^2 /NDF: 1940751.7/25

1111.862 $\pm$ 0.161 χ^2 /NDF: 4002171.2/52

1138.163 $\pm$ 0.234 χ^2 /NDF: 2037552.0/26

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: 1325.041 $\pm$ 371.761 χ^2 /NDF:18.0/8

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

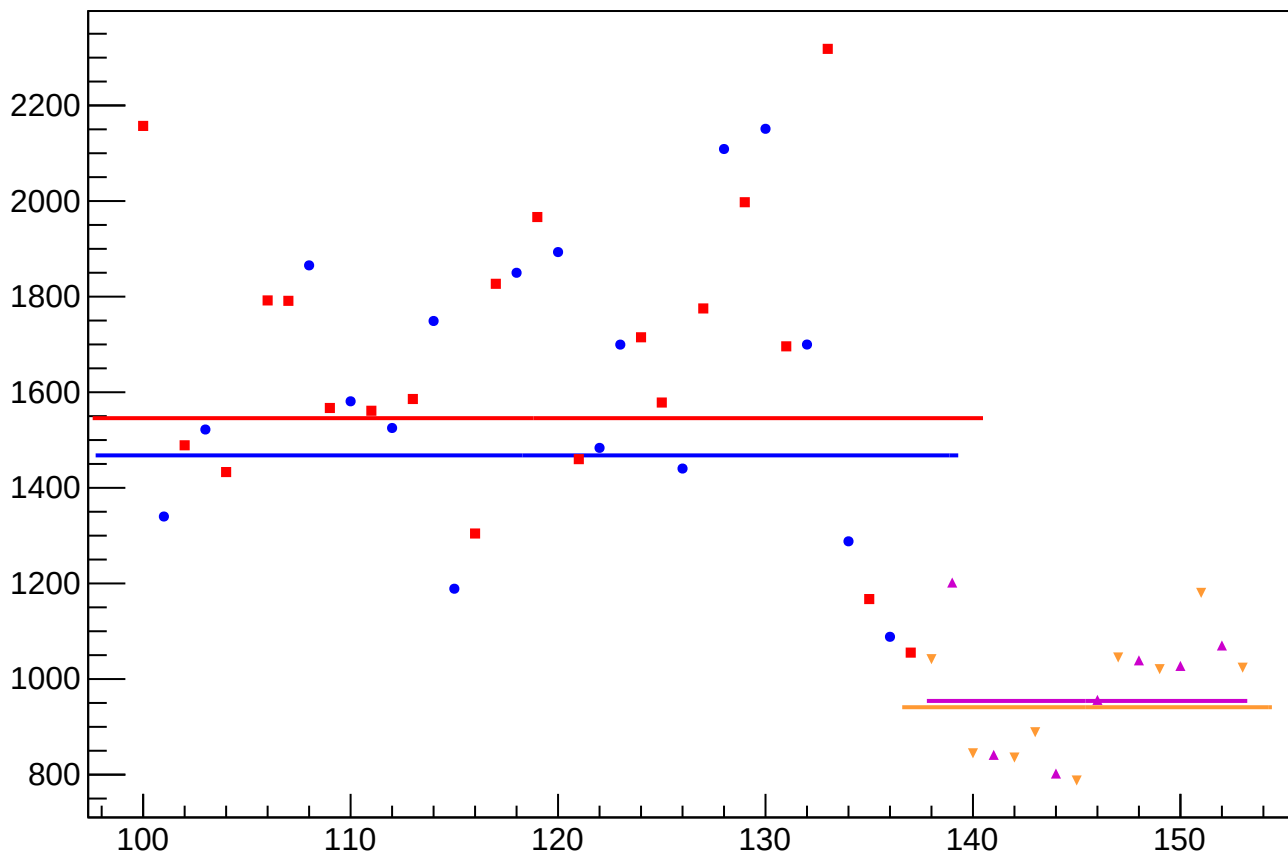
Left In: 91.713 $\pm$ 402.381 χ^2 /NDF:8.5/6

1238.774 $\pm$ 313.687 χ^2 /NDF: 39.1/25

558.412 $\pm$ 228.094 χ^2 /NDF: 72.3/52

-204.906 $\pm$ 332.261 χ^2 /NDF: 23.2/26

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: 941.050 $\pm$ 0.263 χ^2 /NDF: 209770.7/8

Right Out: 1545.785 $\pm$ 0.417 χ^2 /NDF: 453865.6/19

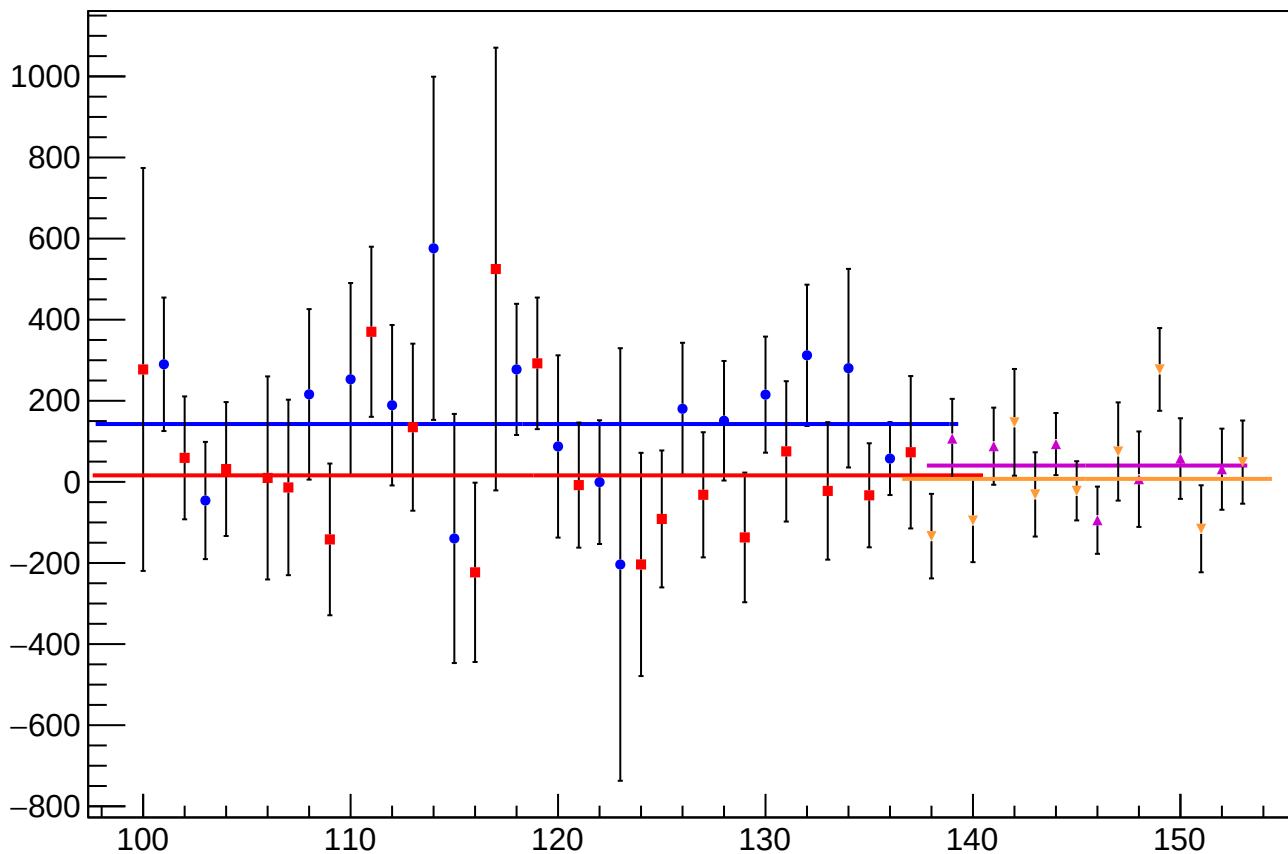
Left In: 954.217 $\pm$ 0.285 χ^2 /NDF: 191410.5/6

1092.796 $\pm$ 0.222 χ^2 /NDF: 1924170.5/25

1116.186 $\pm$ 0.161 χ^2 /NDF: 3968375.9/52

1142.429 $\pm$ 0.235 χ^2 /NDF: 2020608.5/26

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: 7.419 $\pm$ 33.881 χ^2 /NDF:13.0/8

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

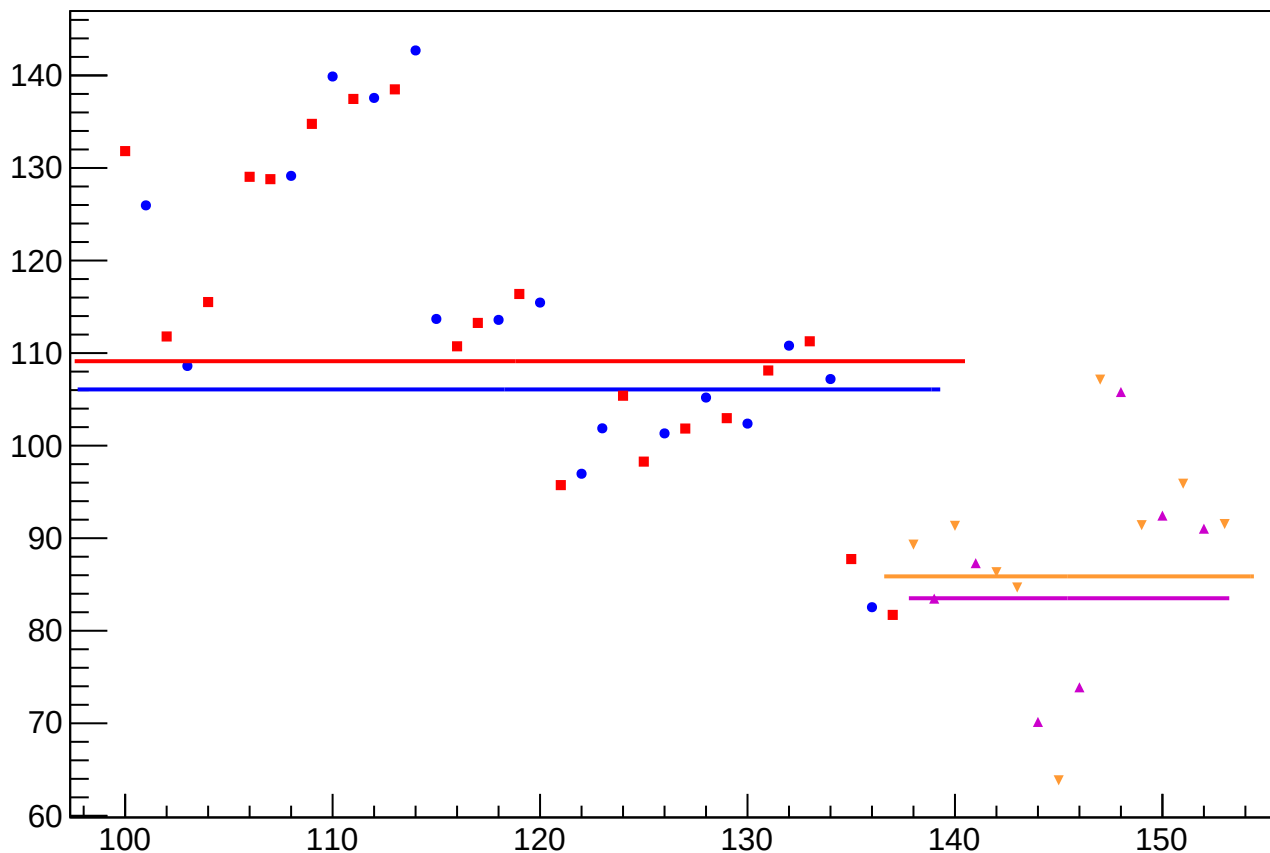
Left In: 40.289 $\pm$ 35.276 χ^2 /NDF:4.0/6

61.322 $\pm$ 26.277 χ^2 /NDF: 28.7/25

46.019 $\pm$ 18.768 χ^2 /NDF: 45.3/52

30.081 $\pm$ 26.817 χ^2 /NDF: 15.9/26

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: 85.874 $\pm$ 0.024 χ^2 /NDF: 281426.1/8

Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

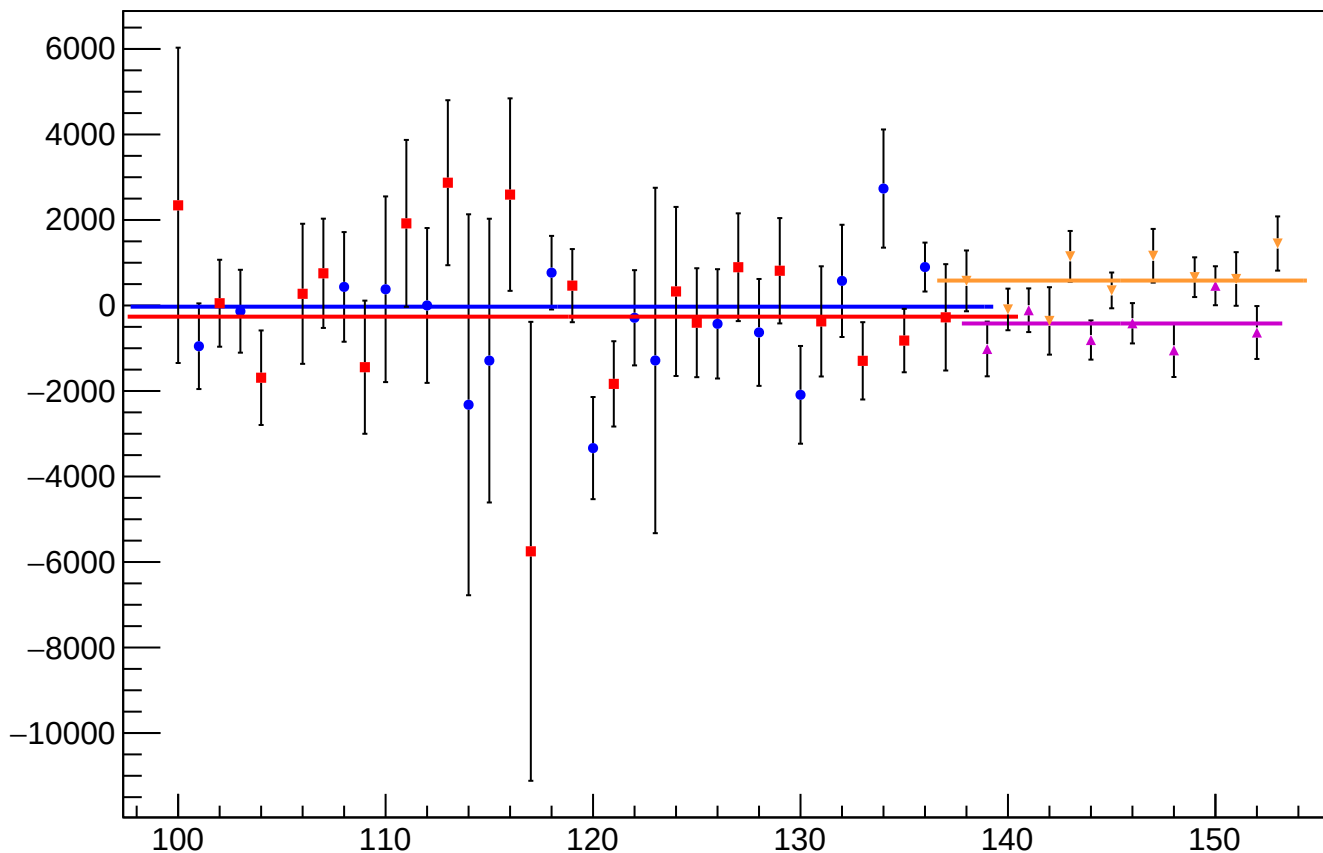
Left In: 83.512 $\pm$ 0.025 χ^2 /NDF: 190009.3/6

93.924 $\pm$ 0.019 χ^2 /NDF: 882619.8/25

94.119 $\pm$ 0.013 χ^2 /NDF: 1803355.0/52

94.323 $\pm$ 0.019 χ^2 /NDF: 920509.5/26

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 $\pm$ 283.741 χ^2 /NDF: 20.5/16

Left Out: 583.148 $\pm$ 187.134 χ^2 /NDF: 7.3/8

Right Out: -261.265 $\pm$ 279.073 χ^2 /NDF: 16.9/19

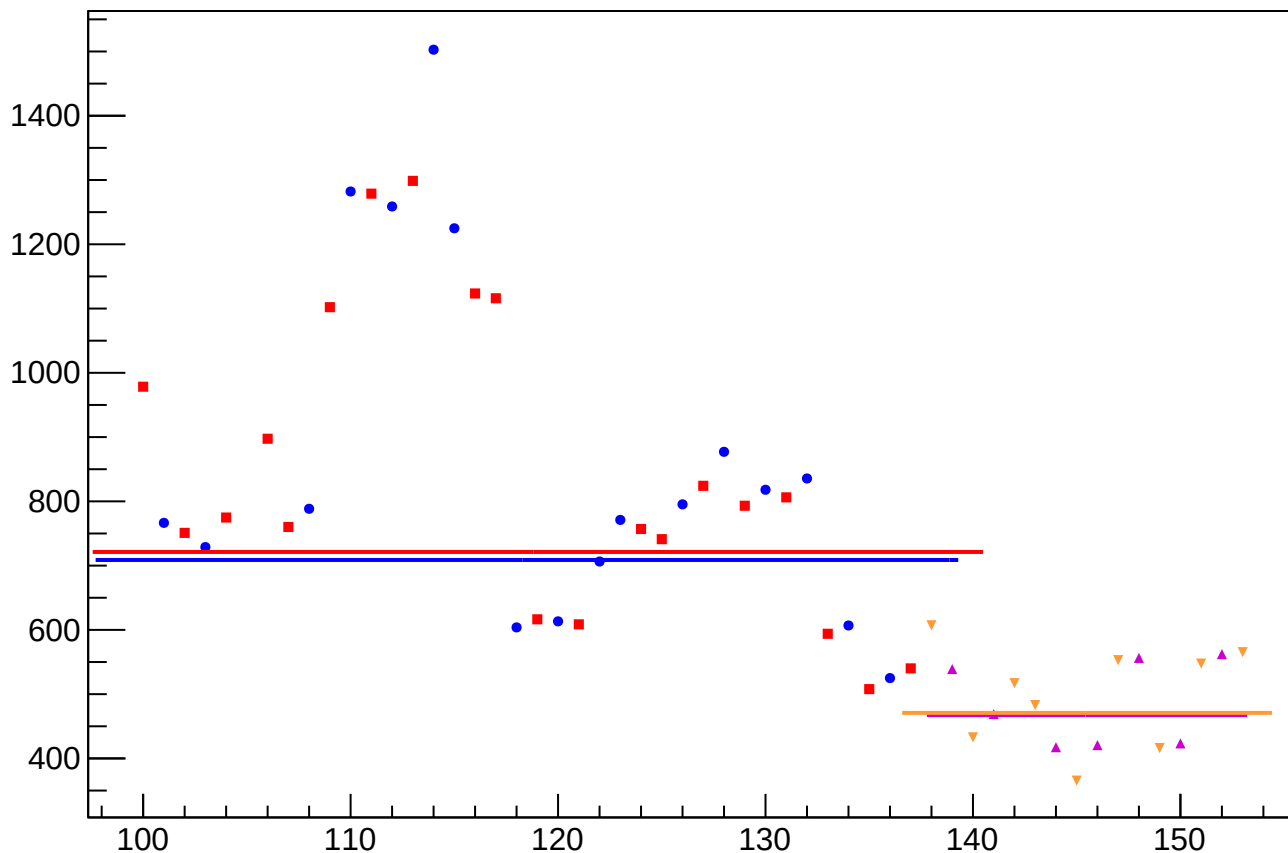
Left In: -420.979 $\pm$ 197.956 χ^2 /NDF: 6.8/6

397.905 $\pm$ 156.218 χ^2 /NDF: 31.1/25

27.822 $\pm$ 112.271 χ^2 /NDF: 66.6/52

-367.517 $\pm$ 161.461 χ^2 /NDF: 23.9/26

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: 470.891 $\pm$ 0.132 χ^2 /NDF: 356409.0/8

Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

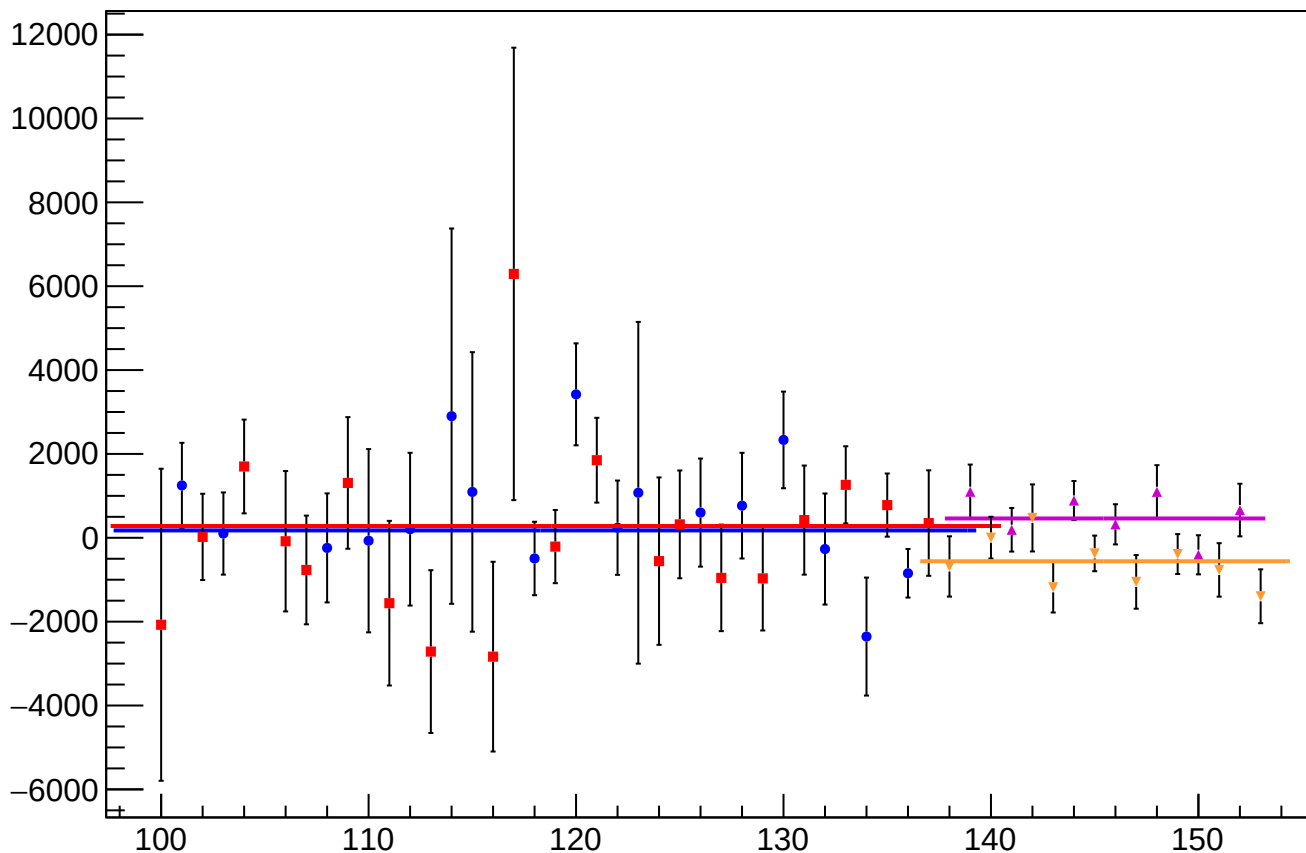
Left In: 467.341 $\pm$ 0.140 χ^2 /NDF: 174921.9/6

543.002 $\pm$ 0.110 χ^2 /NDF: 2129672.0/25

547.517 $\pm$ 0.079 χ^2 /NDF: 4320413.5/52

552.340 $\pm$ 0.114 χ^2 /NDF: 2187286.3/26

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: -559.715 $\pm$ 190.449 χ^2 /NDF: 6.8/8

Right Out: 281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

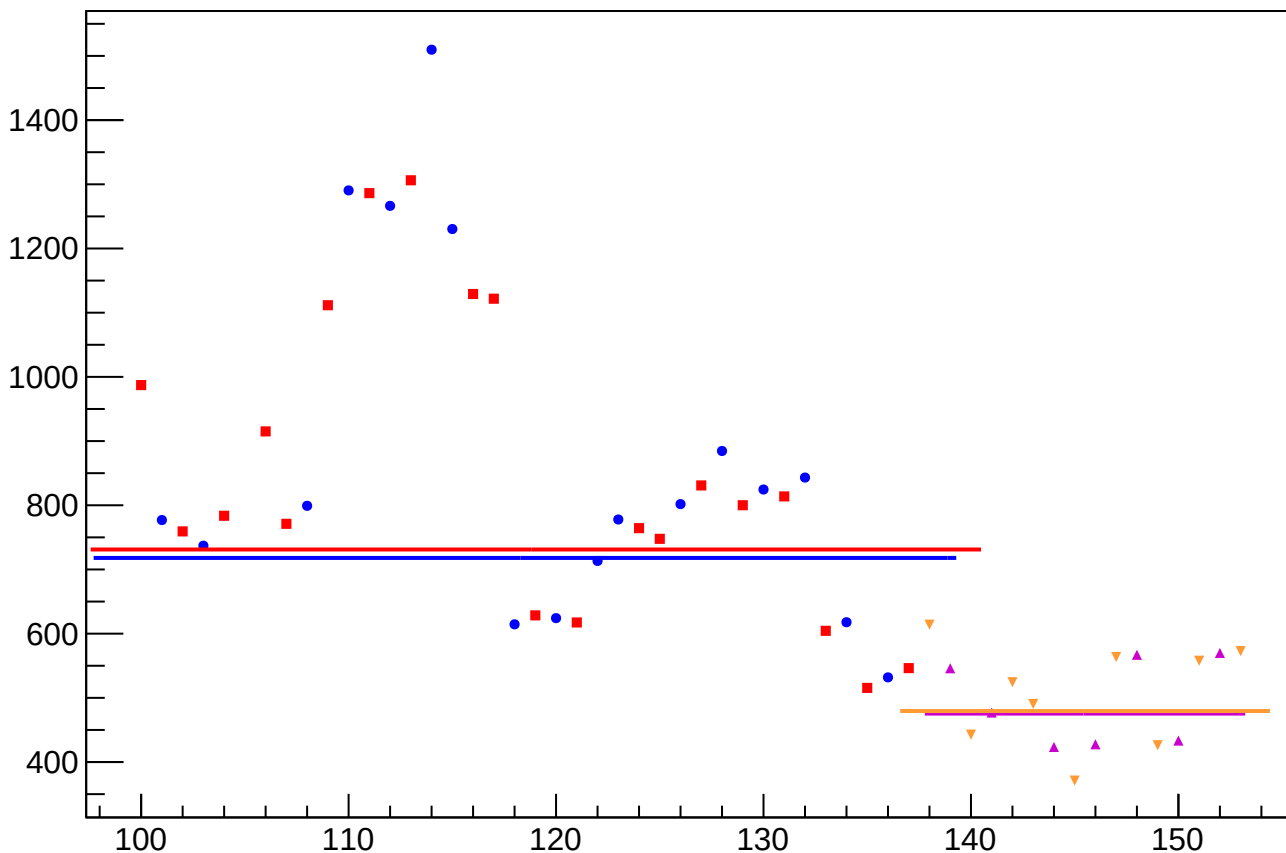
Left In: 460.711 $\pm$ 201.325 χ^2 /NDF: 6.7/6

-335.073 $\pm$ 158.725 χ^2 /NDF: 31.1/25

20.622 $\pm$ 114.051 χ^2 /NDF: 64.5/52

400.293 $\pm$ 163.988 χ^2 /NDF: 23.0/26

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: 479.490 $\pm$ 0.135 χ^2 /NDF: 350039.5/8

Right Out: 731.116 $\pm$ 0.200 χ^2 /NDF: 892357.6/19

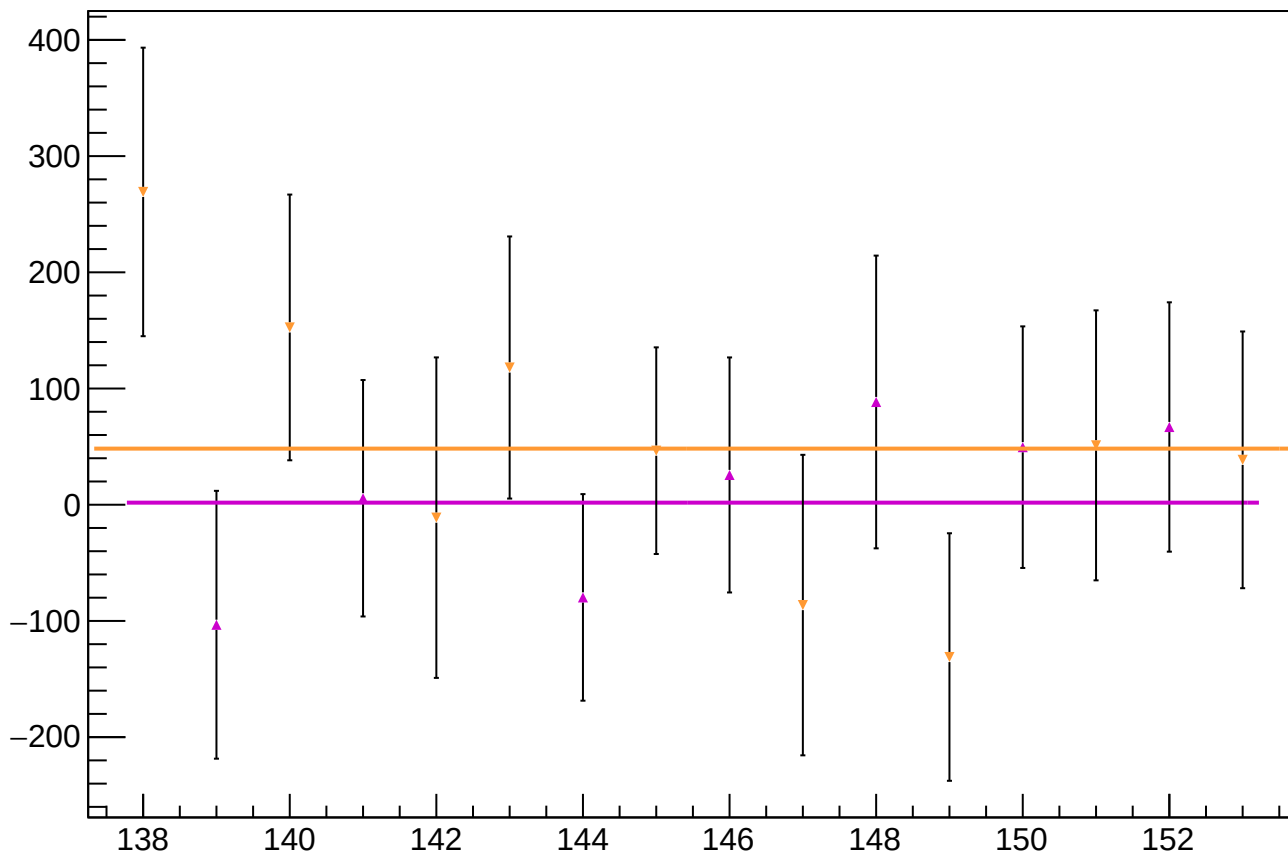
Left In: 475.463 $\pm$ 0.142 χ^2 /NDF: 171847.9/6

552.323 $\pm$ 0.112 χ^2 /NDF: 2086376.4/25

556.760 $\pm$ 0.081 χ^2 /NDF: 4239108.7/52

561.496 $\pm$ 0.116 χ^2 /NDF: 2149501.0/26

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 48.291+/-37.713 χ^2/NDF : 8.5/8

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

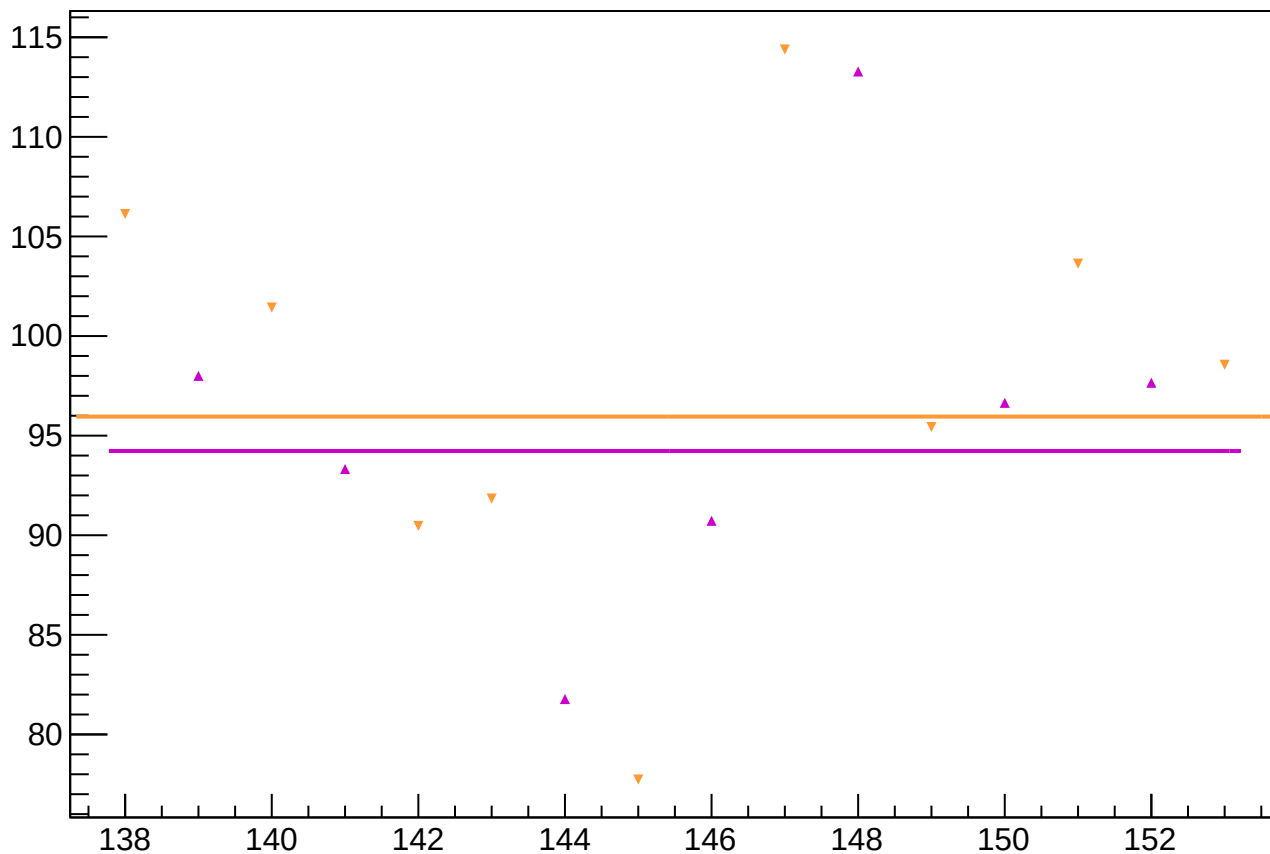
Left In: 1.790+/-39.568 χ^2/NDF : 2.8/6

48.291+/-37.713 χ^2/NDF : 8.5/8

26.156+/-27.300 χ^2/NDF : 12.0/15

1.790+/-39.568 χ^2/NDF : 2.8/6

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 95.957 $\pm$ 0.027 χ^2 /NDF:158354.5/8

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

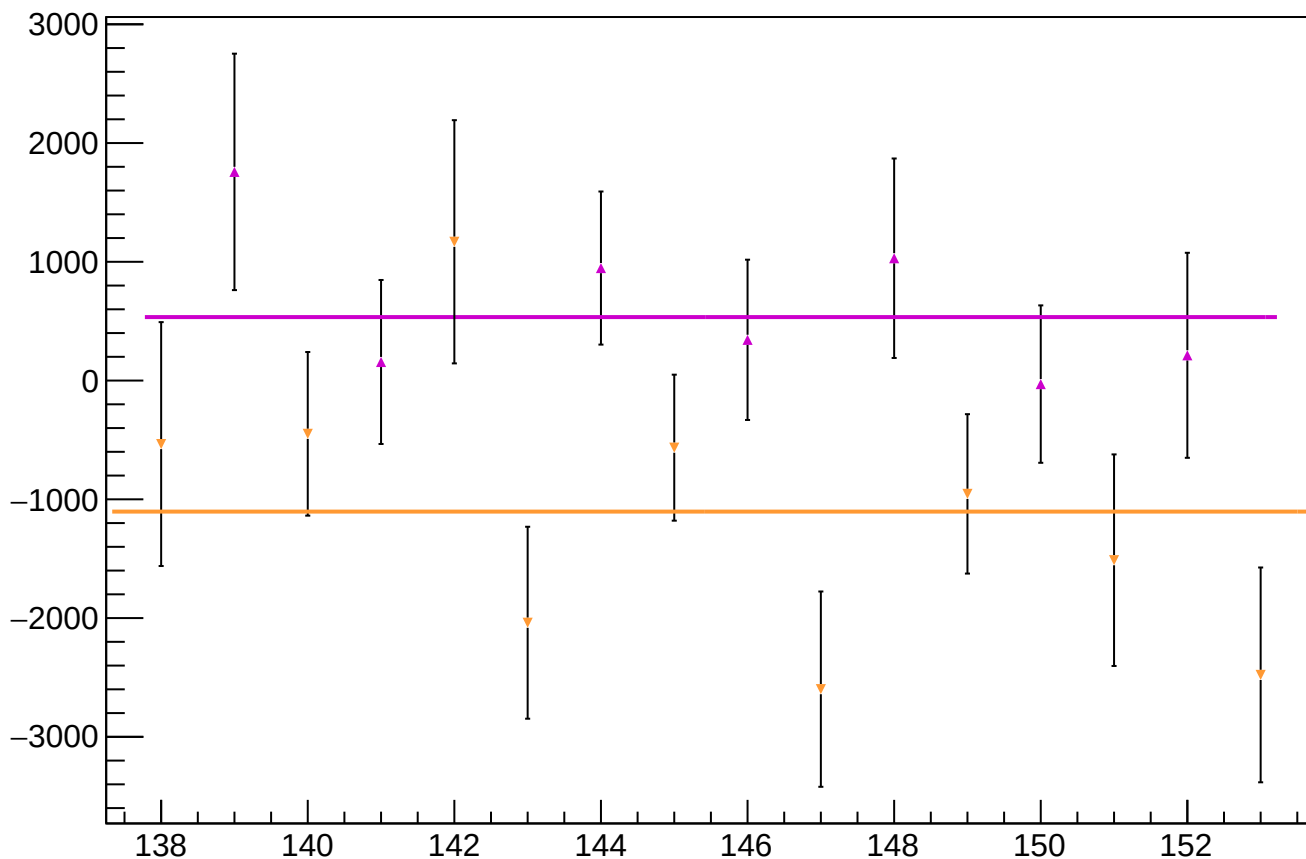
Left In: 94.230 $\pm$ 0.028 χ^2 /NDF:92836.1/6

95.957 $\pm$ 0.027 χ^2 /NDF: 158354.5/8

95.135 $\pm$ 0.019 χ^2 /NDF: 253185.9/15

94.230 $\pm$ 0.028 χ^2 /NDF: 92836.1/6

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1103.292 $\pm$ 263.811 χ^2 /NDF: 14.1/8

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

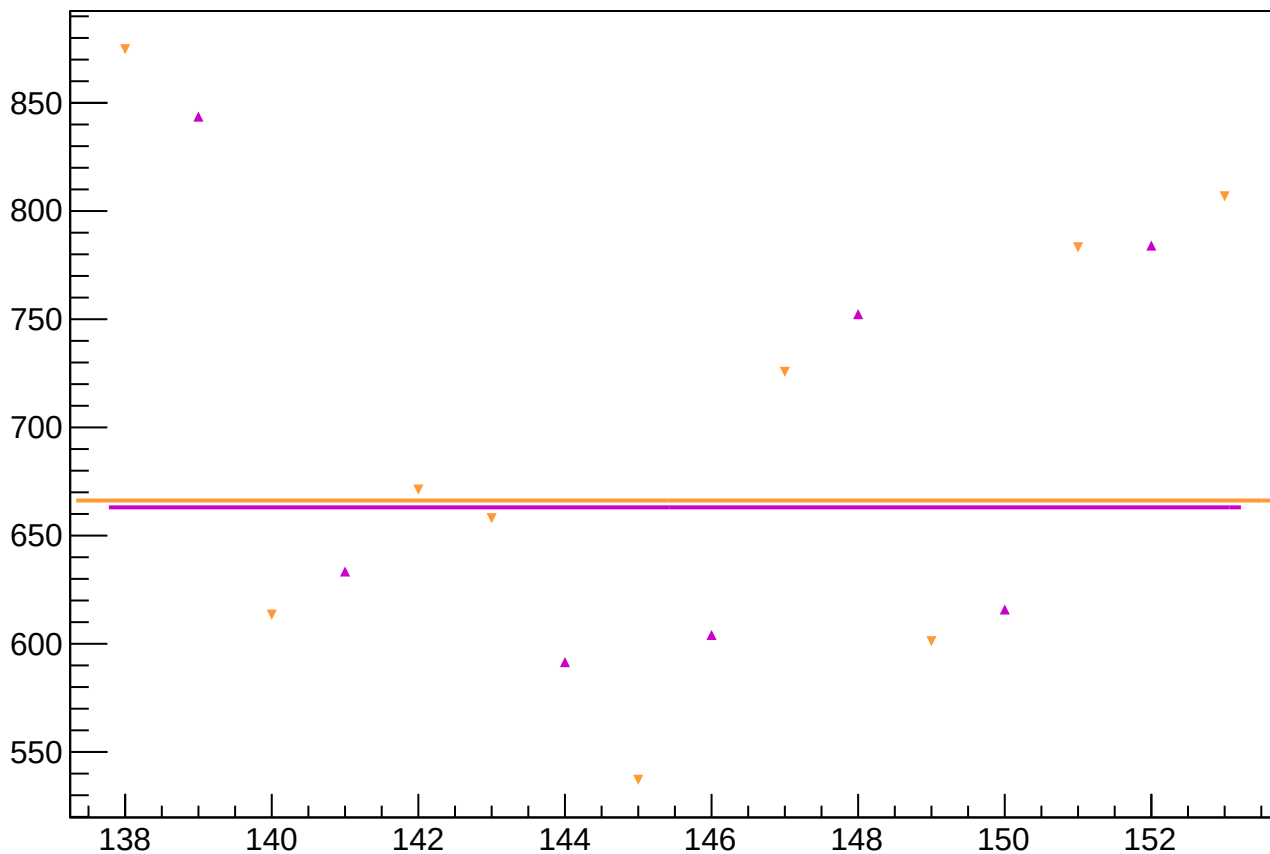
Left In: 534.509 $\pm$ 280.101 χ^2 /NDF: 3.5/6

-1103.292 $\pm$ 263.811 χ^2 /NDF: 14.1/8

-333.399 $\pm$ 192.043 χ^2 /NDF: 35.7/15

534.509 $\pm$ 280.101 χ^2 /NDF: 3.5/6

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 666.220+/-0.187 χ^2/NDF : 294820.9/8

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

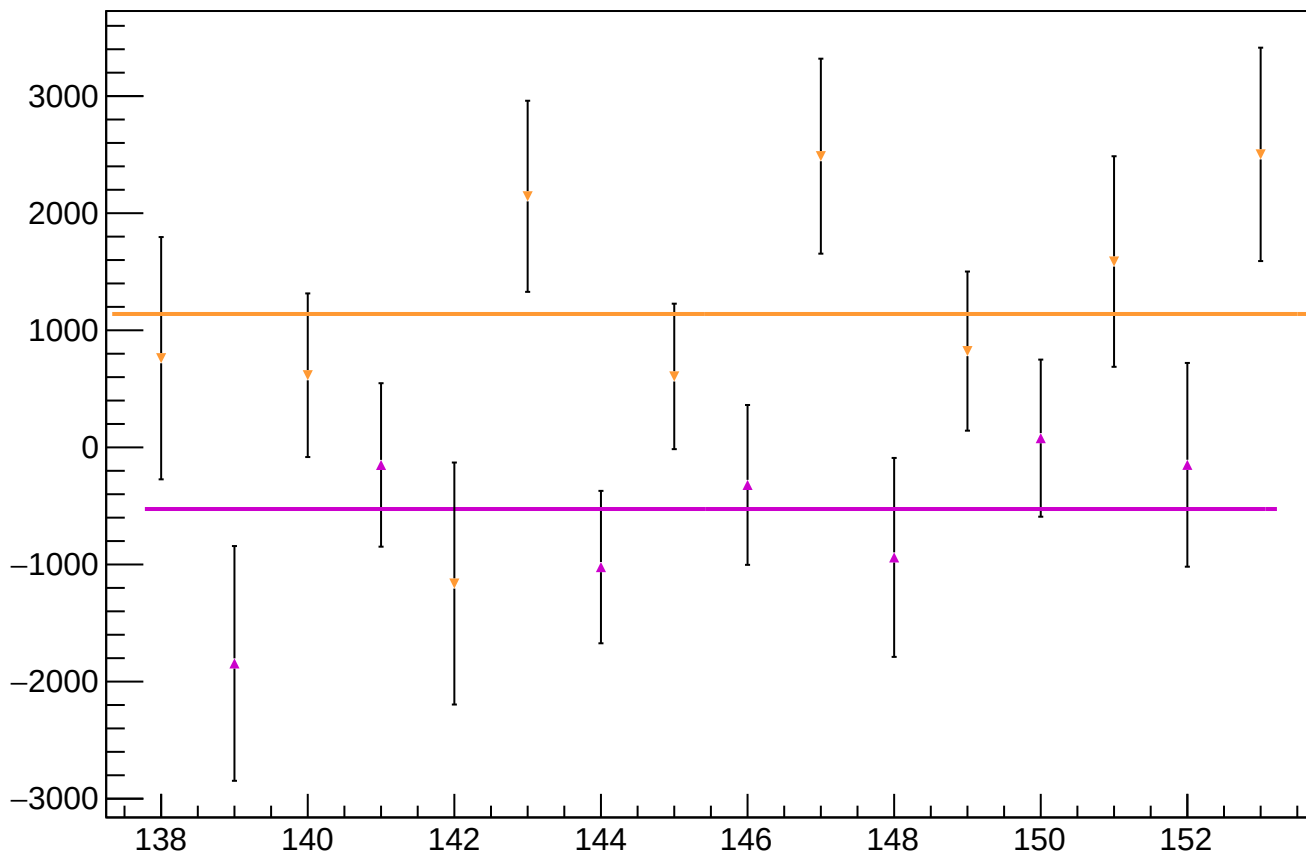
Left In: 663.055+/-0.198 χ^2/NDF : 181450.4/6

666.220+/-0.187 χ^2/NDF : 294820.9/8

664.733+/-0.136 χ^2/NDF : 476406.6/15

663.055+/-0.198 χ^2/NDF : 181450.4/6

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1139.350+/-266.663 χ^2/NDF : 13.2/8

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

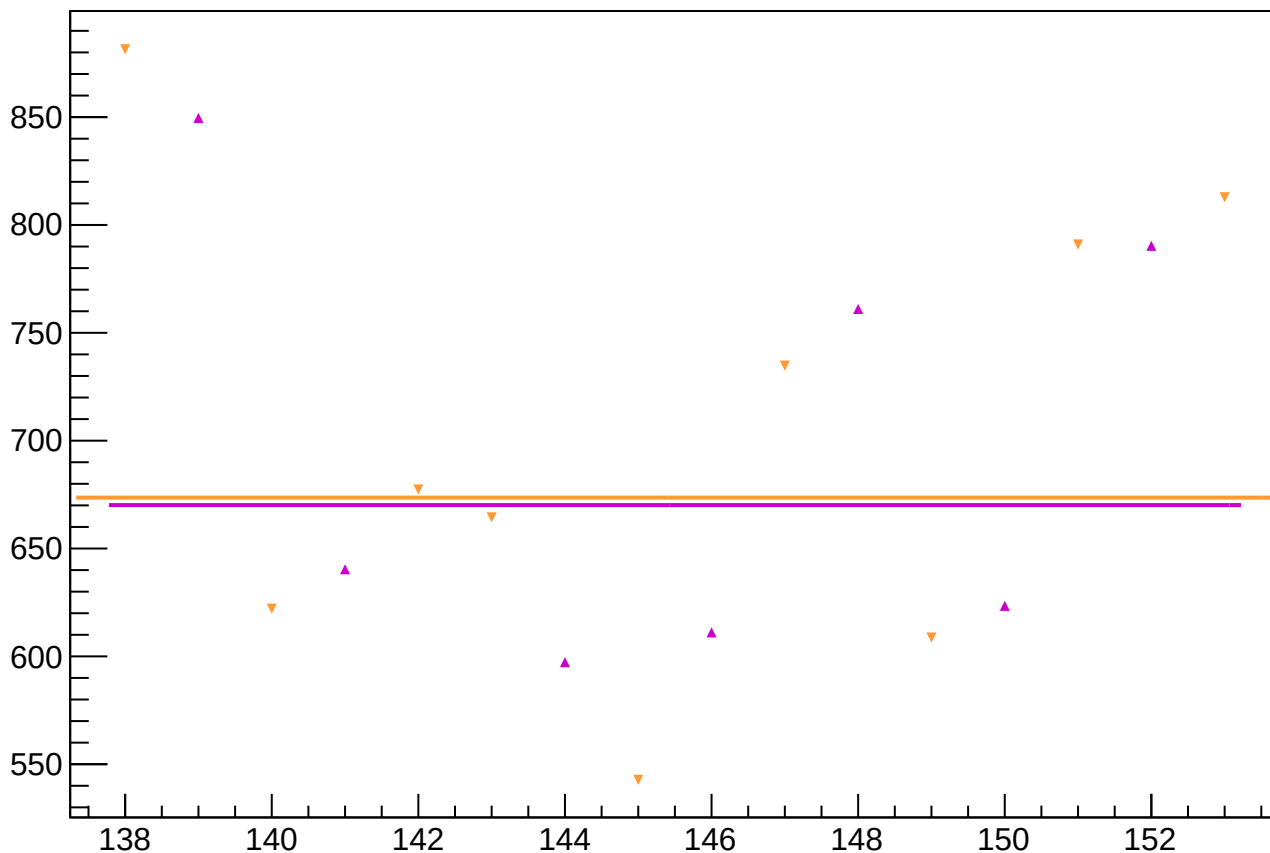
Left In: -526.170+/-283.030 χ^2/NDF : 3.9/6

1139.350+/-266.663 χ^2/NDF : 13.2/8

356.139+/-194.087 χ^2/NDF : 35.5/15

-526.170+/-283.030 χ^2/NDF : 3.9/6

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 673.604+/-0.189 χ^2/NDF : 290439.7/8

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

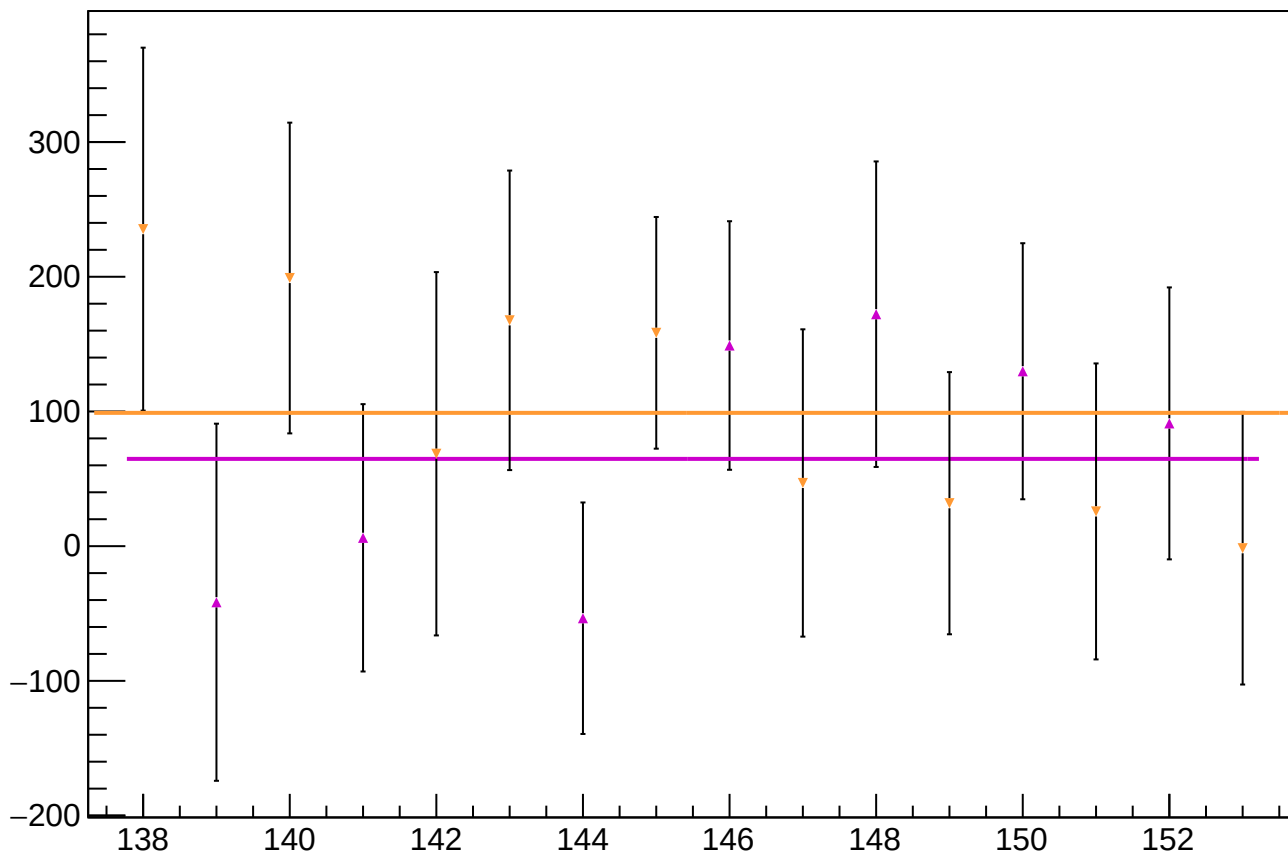
Left In: 670.137+/-0.200 χ^2/NDF : 178547.8/6

673.604+/-0.189 χ^2/NDF : 290439.7/8

671.974+/-0.137 χ^2/NDF : 469146.5/15

670.137+/-0.200 χ^2/NDF : 178547.8/6

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 98.963+/-36.172 χ^2/NDF : 4.8/8

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

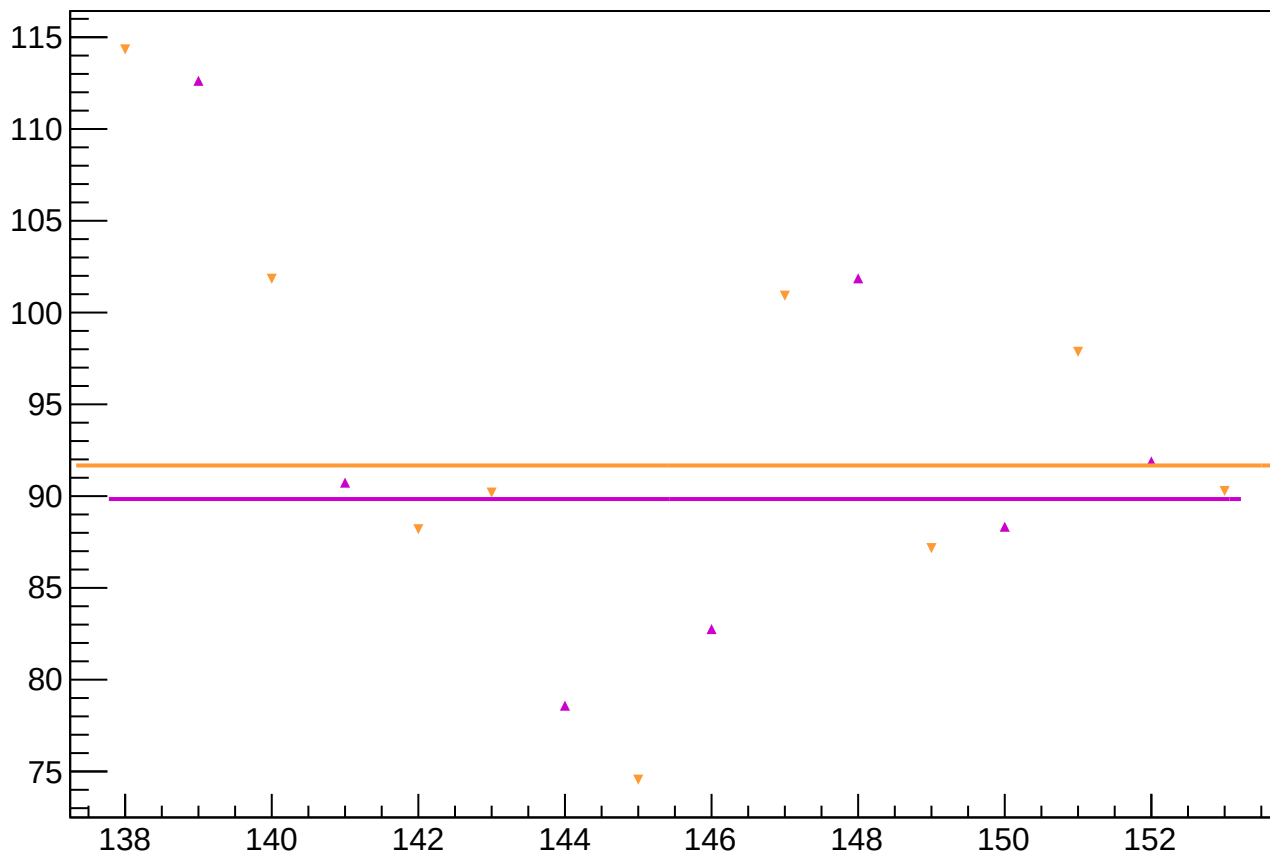
Left In: 64.796+/-37.853 χ^2/NDF : 5.2/6

98.963+/-36.172 χ^2/NDF : 4.8/8

82.655+/-26.151 χ^2/NDF : 10.4/15

64.796+/-37.853 χ^2/NDF : 5.2/6

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.670+/-0.026 χ^2/NDF :177233.5/8

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

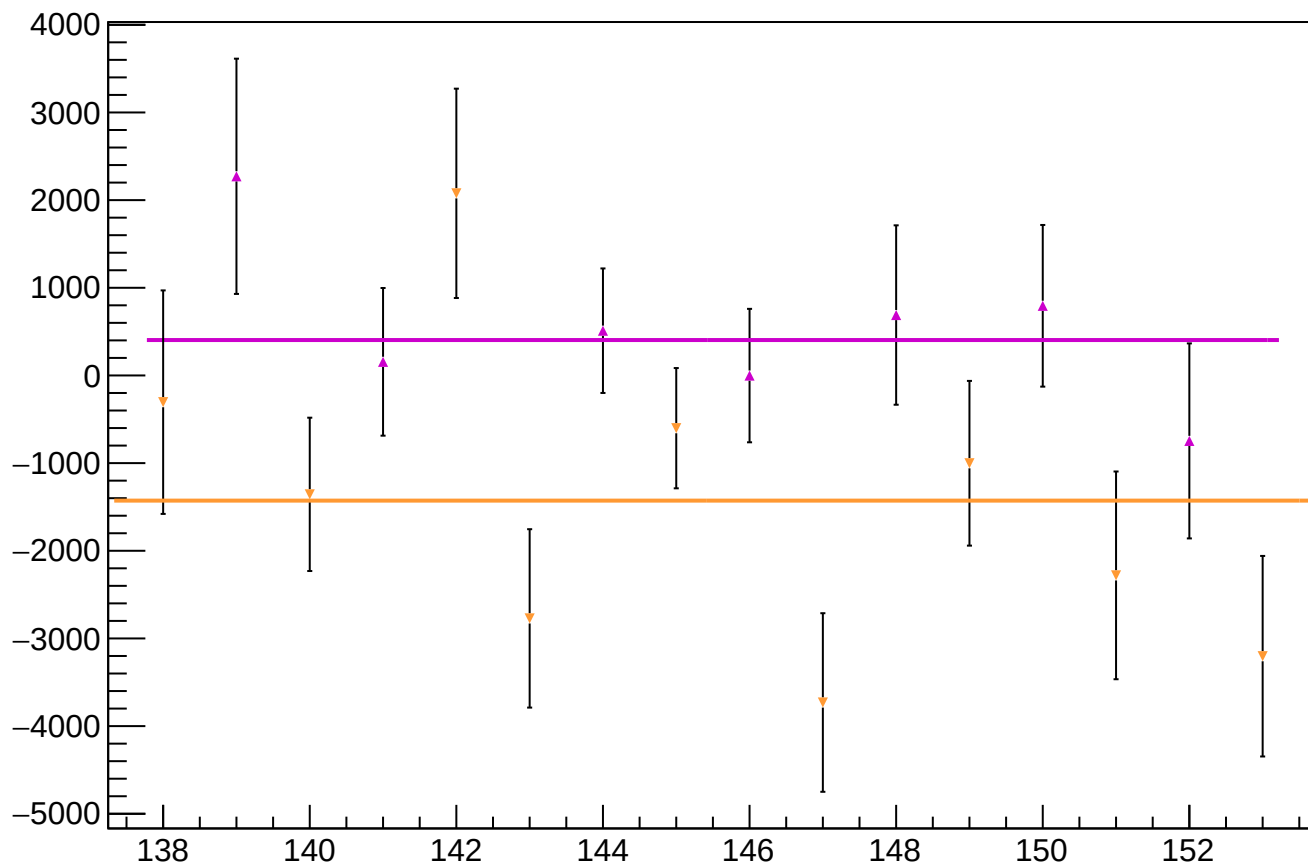
Left In: 89.841+/-0.027 χ^2/NDF :129171.9/6

91.670+/-0.026 χ^2/NDF : 177233.5/8

90.797+/-0.018 χ^2/NDF : 308845.6/15

89.841+/-0.027 χ^2/NDF : 129171.9/6

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1427.707+/-328.116 χ^2/NDF : 20.8/8

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

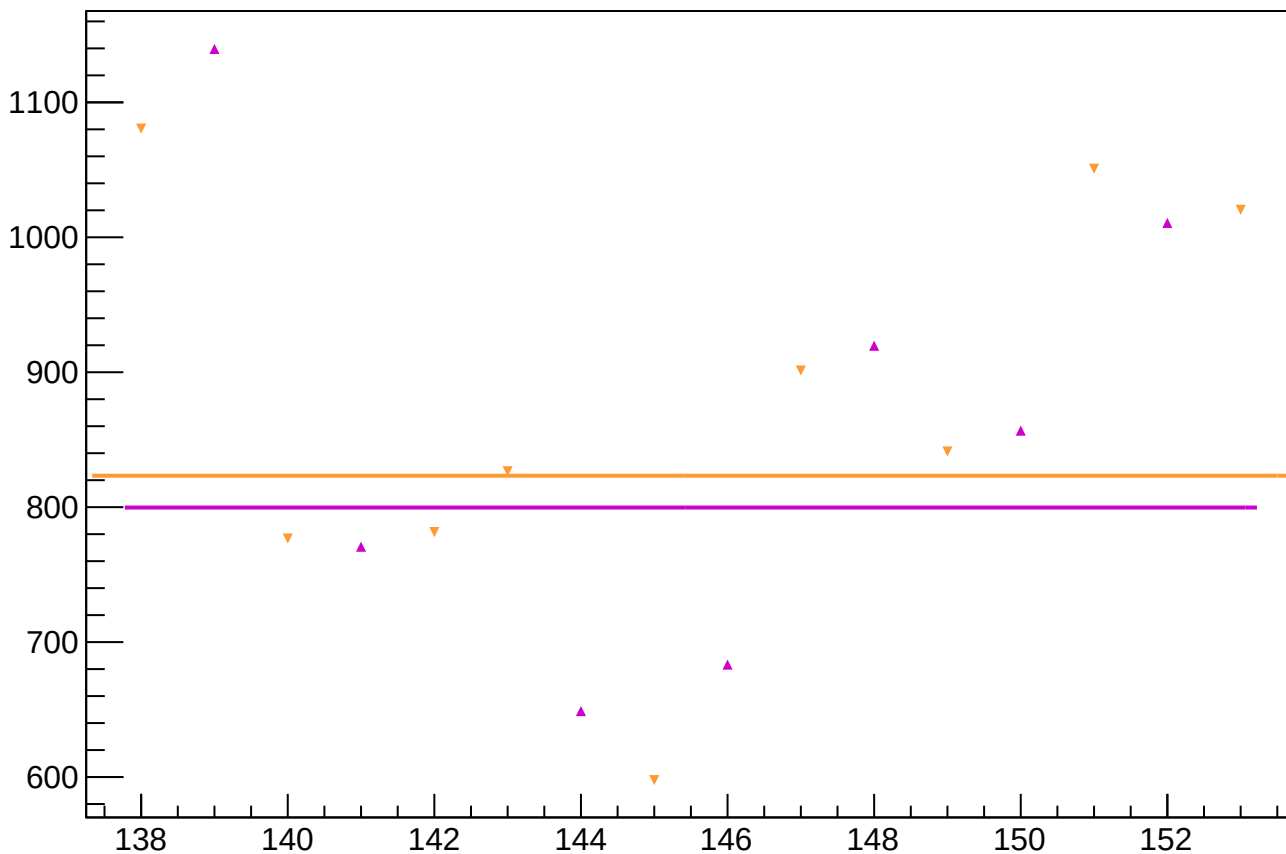
Left In: 403.986+/-340.739 χ^2/NDF : 3.7/6

-1427.707+/-328.116 χ^2/NDF : 20.8/8

-546.416+/-236.350 χ^2/NDF : 39.5/15

403.986+/-340.739 χ^2/NDF : 3.7/6

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 823.306+/-0.232 χ^2/NDF : 451392.2/8

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

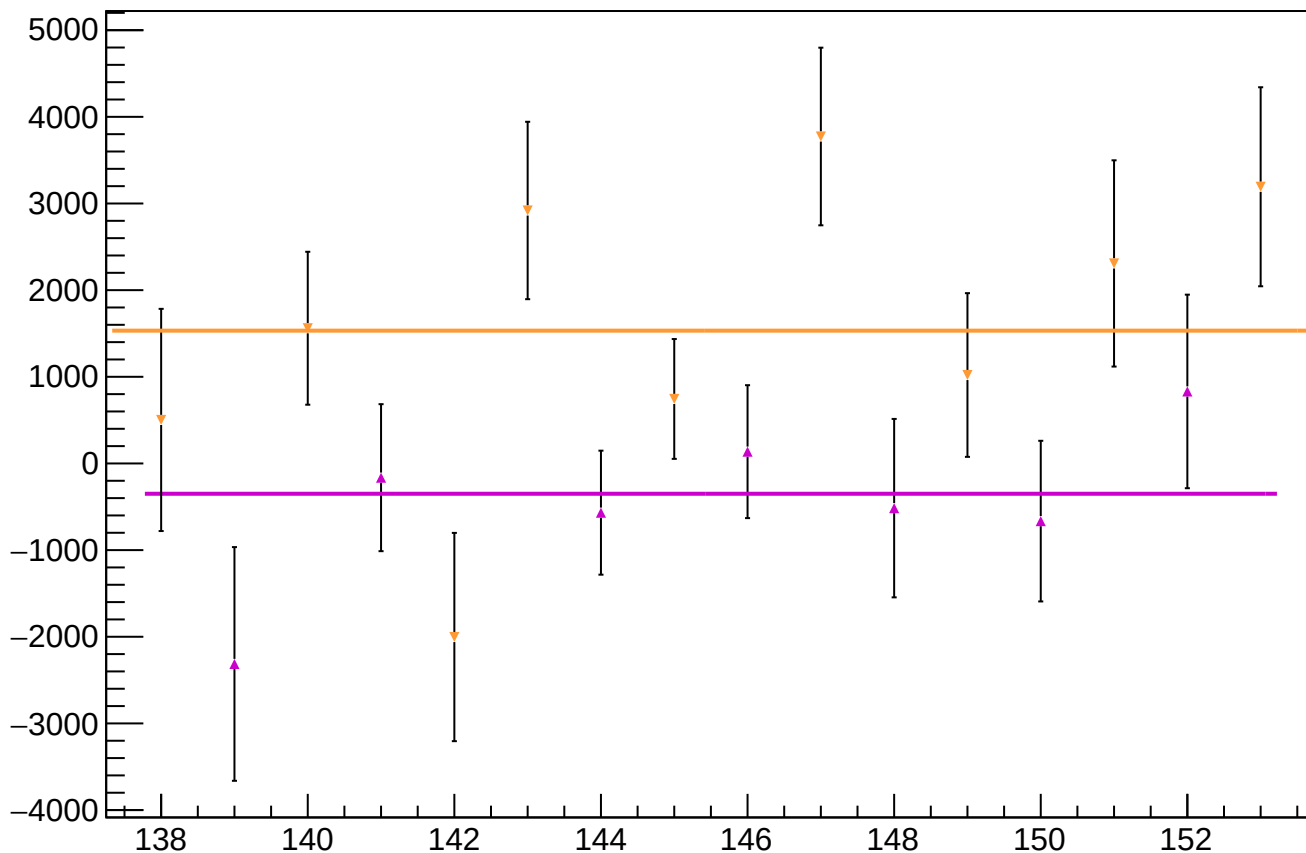
Left In: 799.729+/-0.241 χ^2/NDF : 374643.3/6

823.306+/-0.232 χ^2/NDF : 451392.2/8

811.963+/-0.167 χ^2/NDF : 831004.0/15

799.729+/-0.241 χ^2/NDF : 374643.3/6

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1532.689+/-330.270 χ^2/NDF : 20.0/8

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

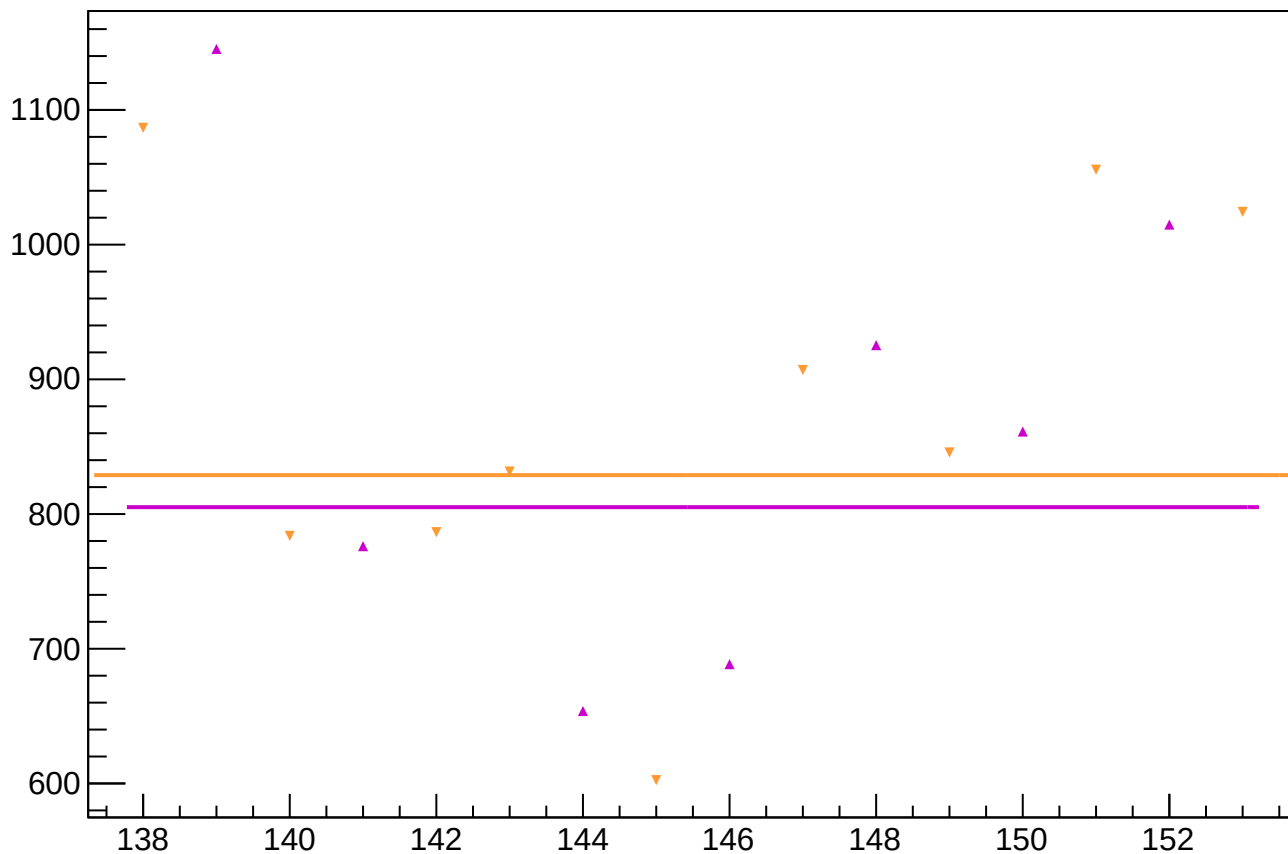
Left In: -349.700+/-342.960 χ^2/NDF : 3.9/6

1532.689+/-330.270 χ^2/NDF : 20.0/8

626.964+/-237.896 χ^2/NDF : 39.6/15

-349.700+/-342.960 χ^2/NDF : 3.9/6

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 828.903+/-0.234 χ^2/NDF : 445812.7/8

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

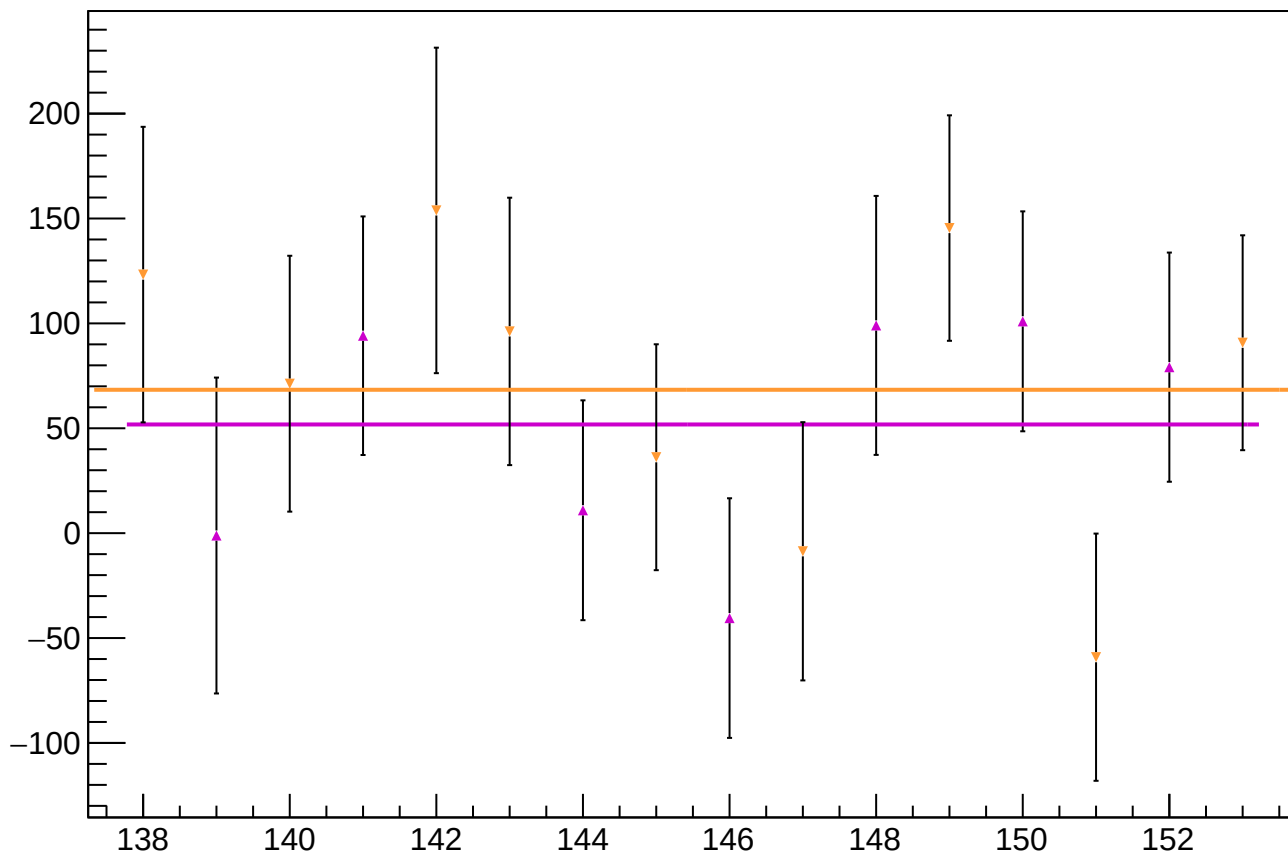
Left In: 805.117+/-0.243 χ^2/NDF : 370443.1/6

828.903+/-0.234 χ^2/NDF : 445812.7/8

817.458+/-0.168 χ^2/NDF : 821247.3/15

805.117+/-0.243 χ^2/NDF : 370443.1/6

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 68.353+/-19.972 χ^2/NDF : 10.9/8

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

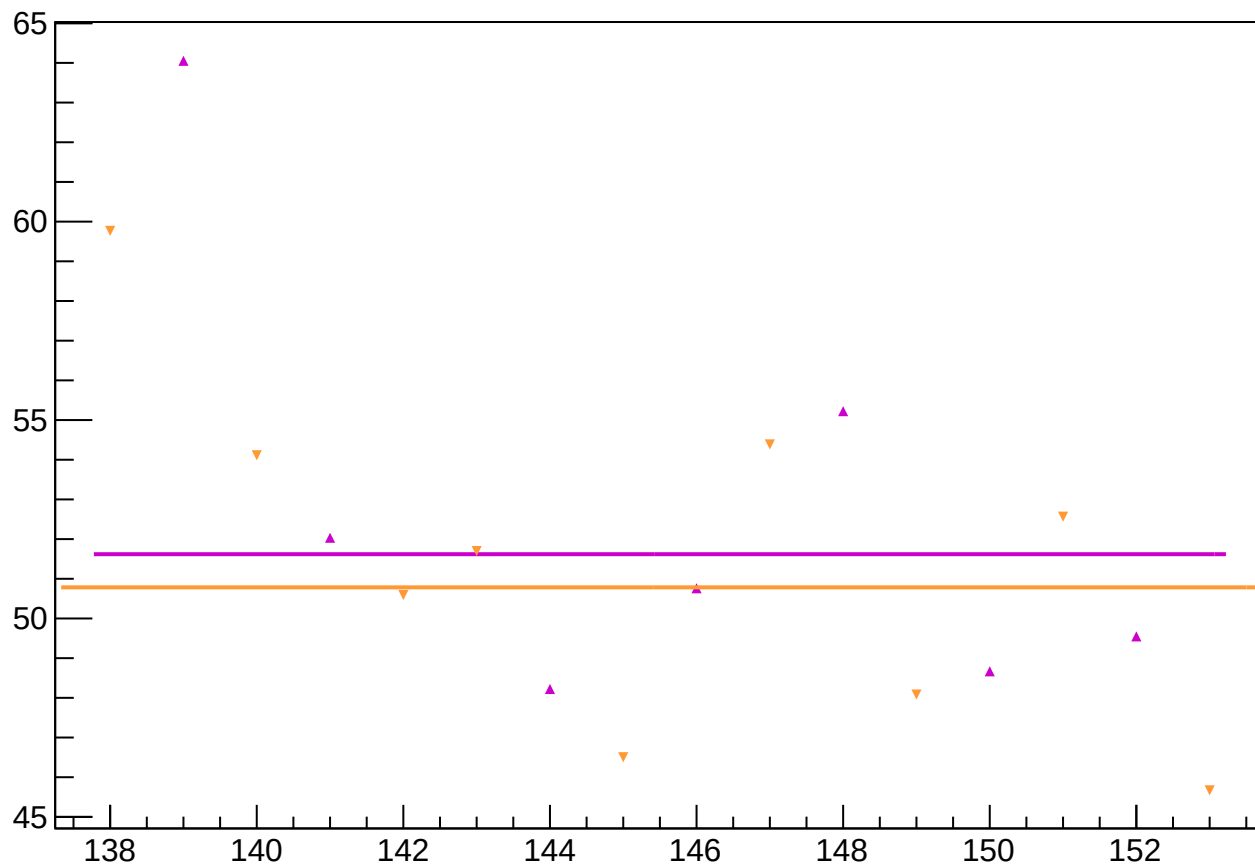
Left In: 51.814+/-21.730 χ^2/NDF : 6.0/6

68.353+/-19.972 χ^2/NDF : 10.9/8

60.779+/-14.705 χ^2/NDF : 17.2/15

51.814+/-21.730 χ^2/NDF : 6.0/6

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 50.784+/-0.014 χ^2/NDF : 85227.4/8

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

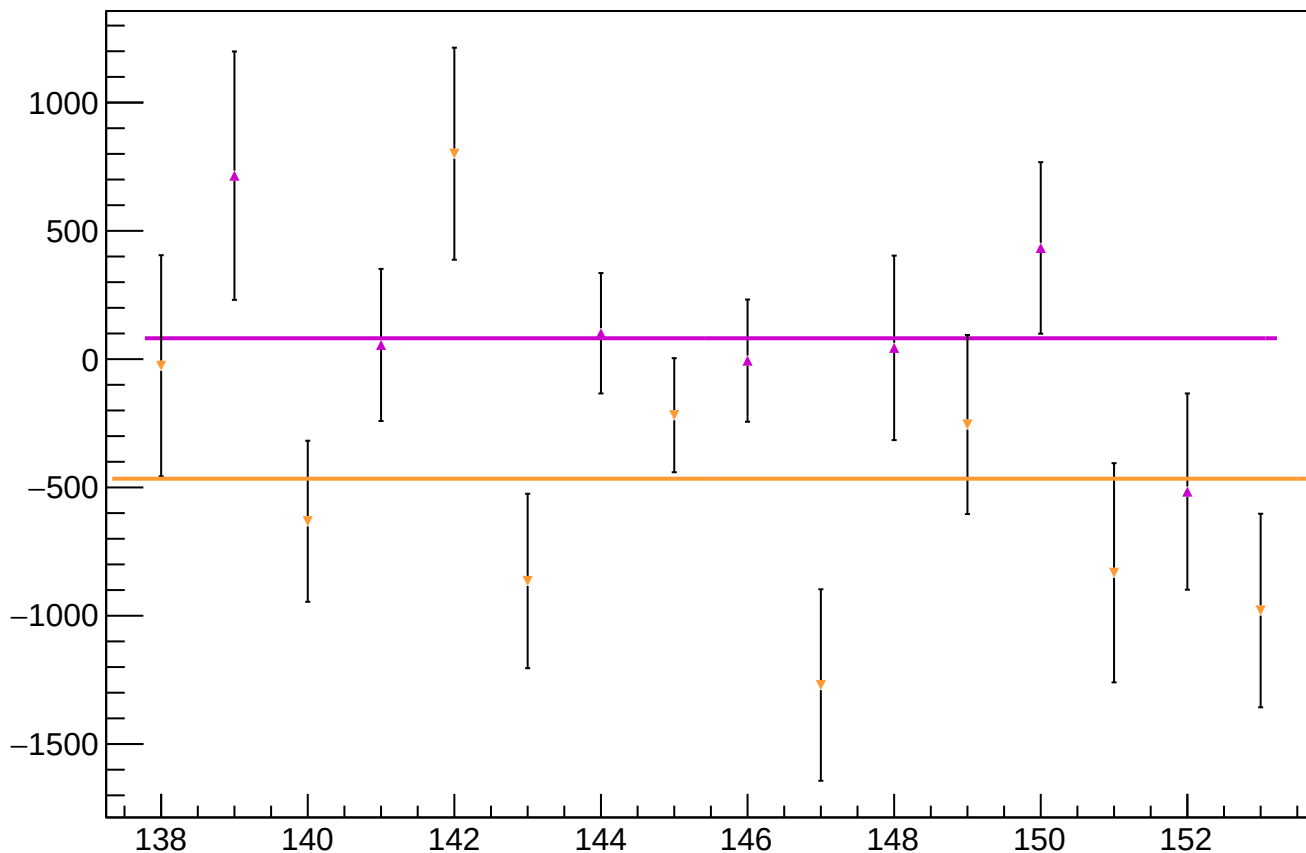
Left In: 51.620+/-0.015 χ^2/NDF : 79523.5/6

50.784+/-0.014 χ^2/NDF : 85227.4/8

51.167+/-0.010 χ^2/NDF : 166352.9/15

51.620+/-0.015 χ^2/NDF : 79523.5/6

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -465.866 $\pm$ 113.097 χ^2 /NDF:20.9/8

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

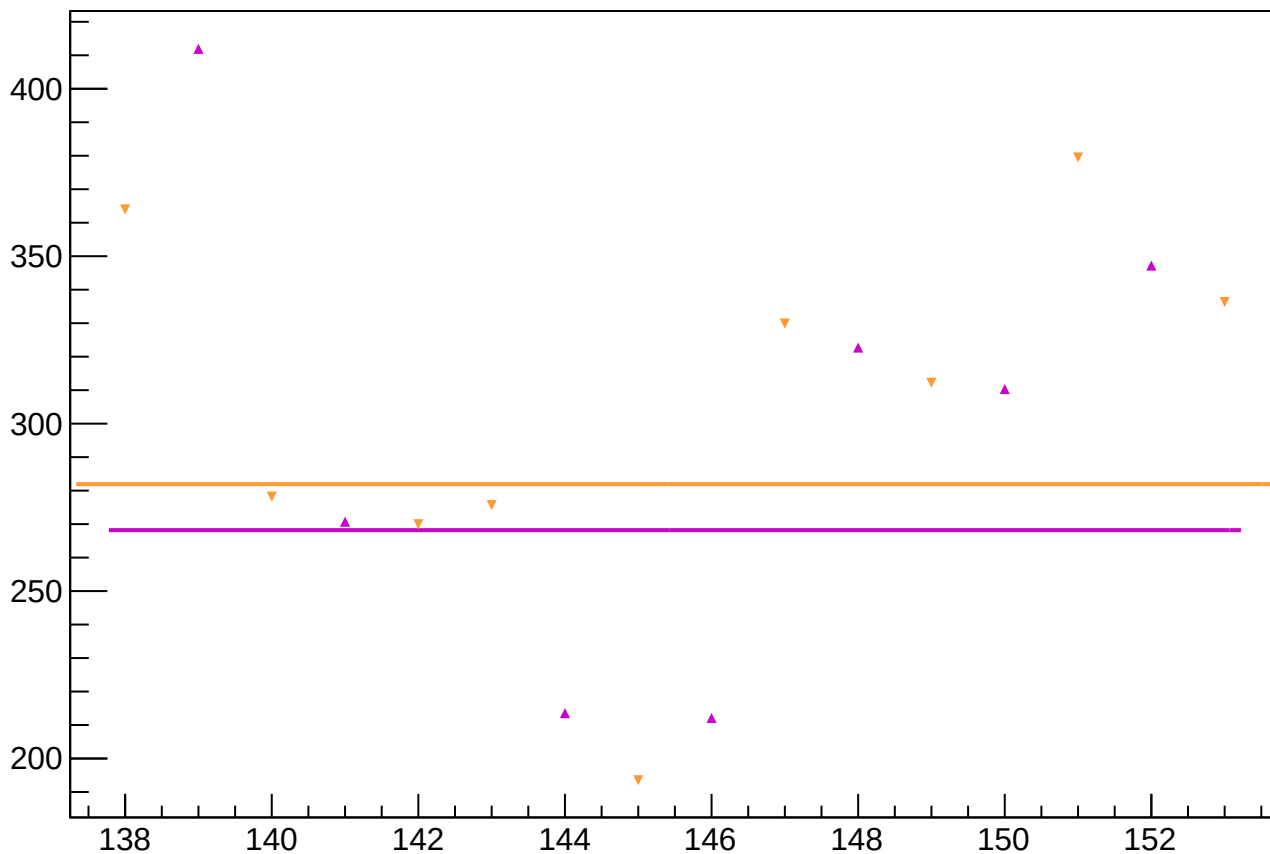
Left In: 81.375 $\pm$ 115.490 χ^2 /NDF:5.4/6

-465.866 $\pm$ 113.097 χ^2 /NDF: 20.9/8

-197.973 $\pm$ 80.804 χ^2 /NDF: 37.8/15

81.375 $\pm$ 115.490 χ^2 /NDF: 5.4/6

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 281.928+/-0.080 χ^2/NDF : 585539.2/8

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

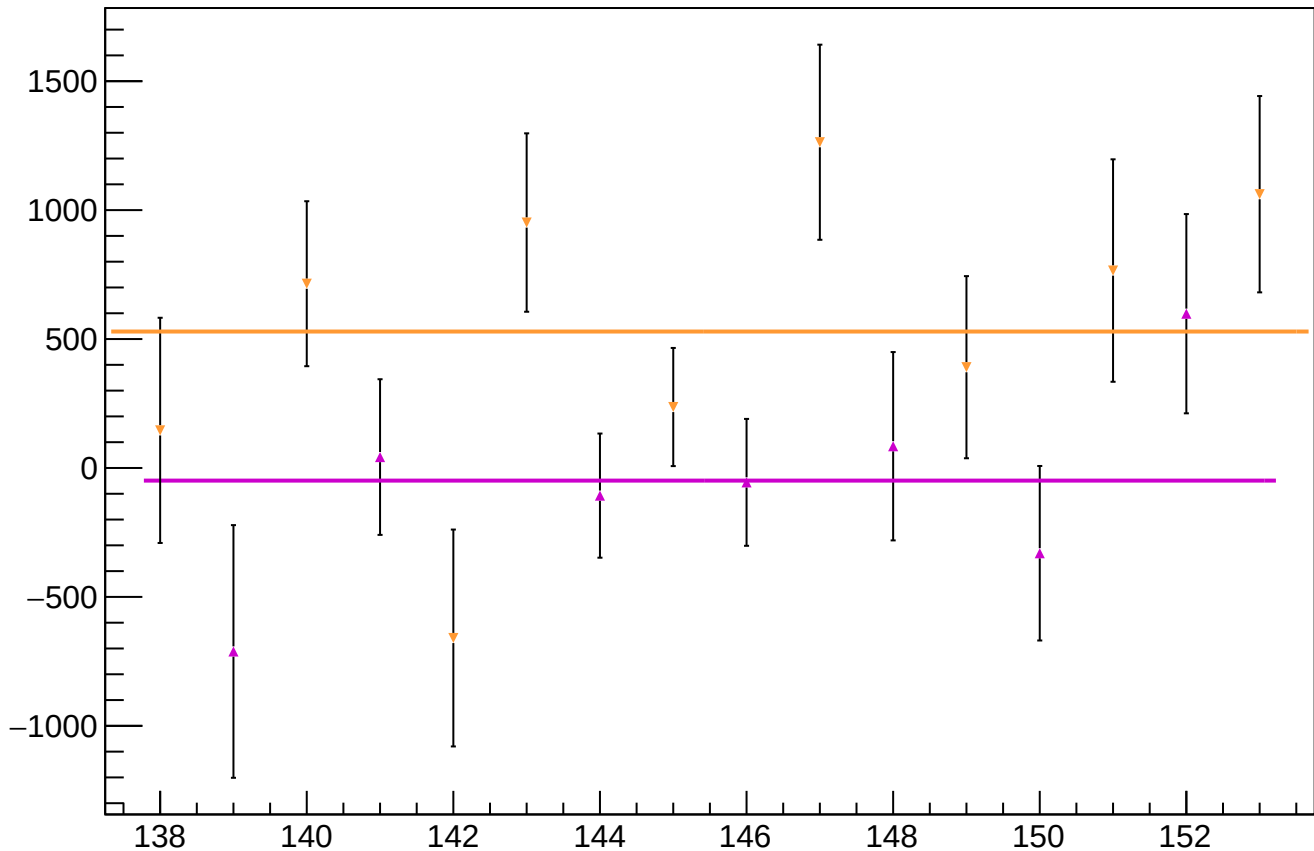
Left In: 268.199+/-0.082 χ^2/NDF : 558960.9/6

281.928+/-0.080 χ^2/NDF : 585539.2/8

275.207+/-0.057 χ^2/NDF : 1158926.5/15

268.199+/-0.082 χ^2/NDF : 558960.9/6

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 529.159+/-115.193 χ^2/NDF : 18.4/8

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

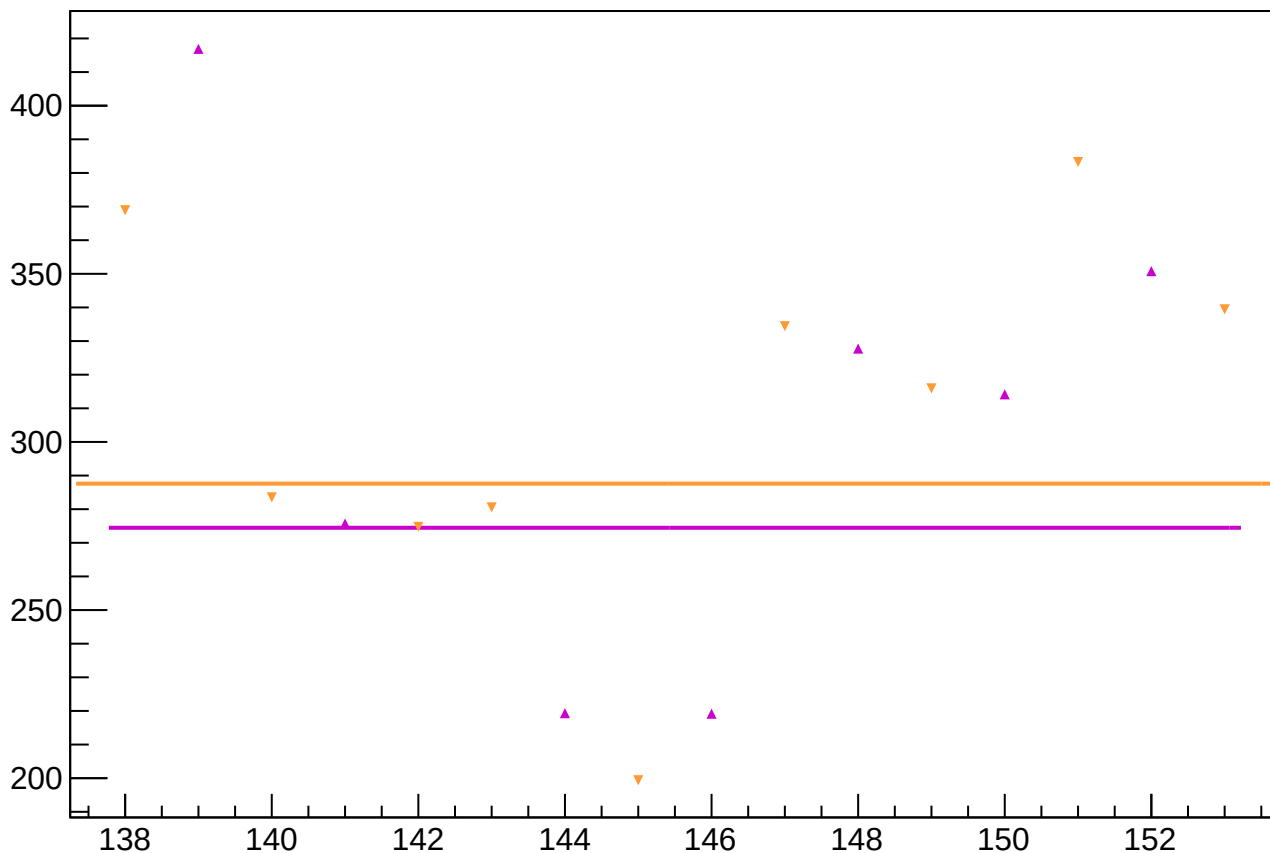
Left In: -48.956+/-117.976 χ^2/NDF : 5.6/6

529.159+/-115.193 χ^2/NDF : 18.4/8

247.002+/-82.420 χ^2/NDF : 36.3/15

-48.956+/-117.976 χ^2/NDF : 5.6/6

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 287.598+/-0.081 χ^2/NDF : 547860.1/8

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

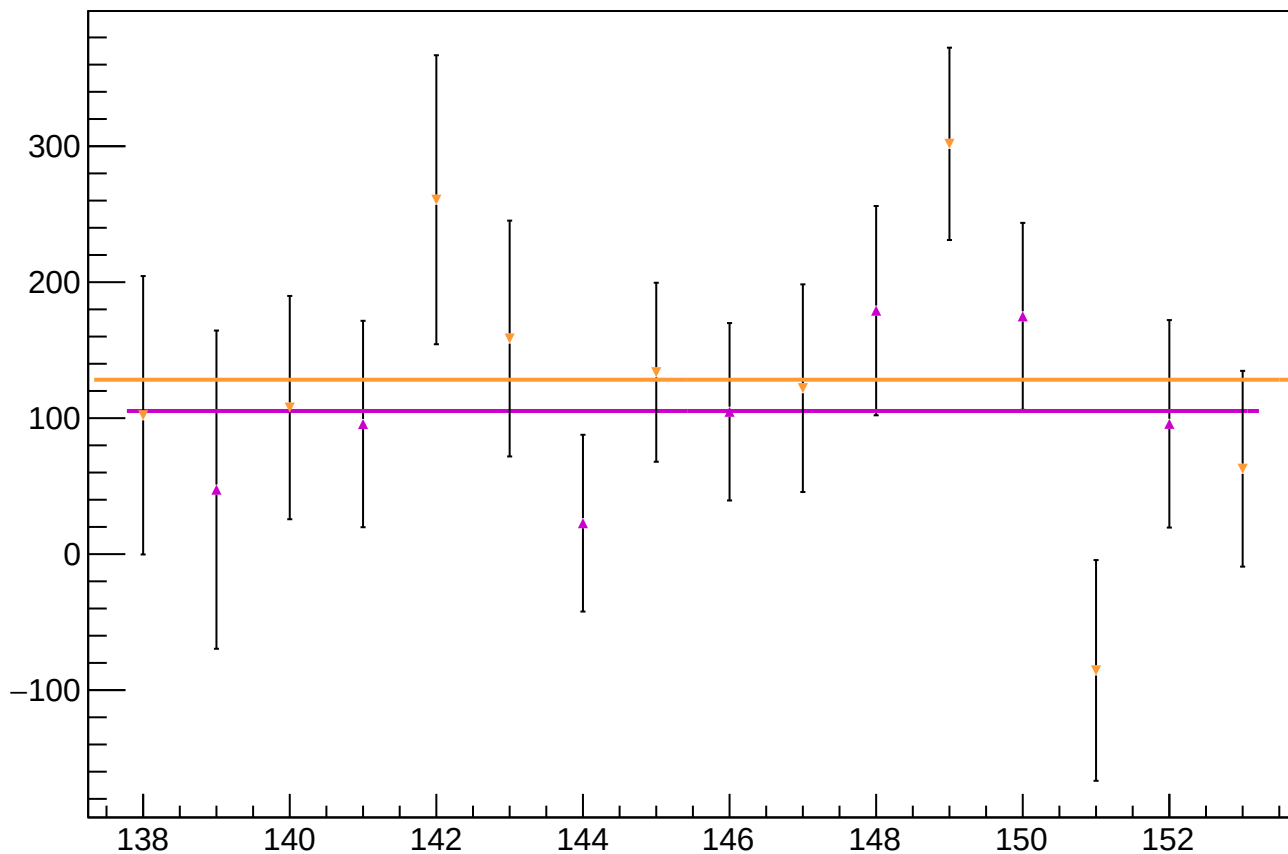
Left In: 274.474+/-0.083 χ^2/NDF : 523175.9/6

287.598+/-0.081 χ^2/NDF : 547860.1/8

281.193+/-0.058 χ^2/NDF : 1083706.6/15

274.474+/-0.083 χ^2/NDF : 523175.9/6

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 128.272+/-26.611 χ^2/NDF : 15.6/8

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

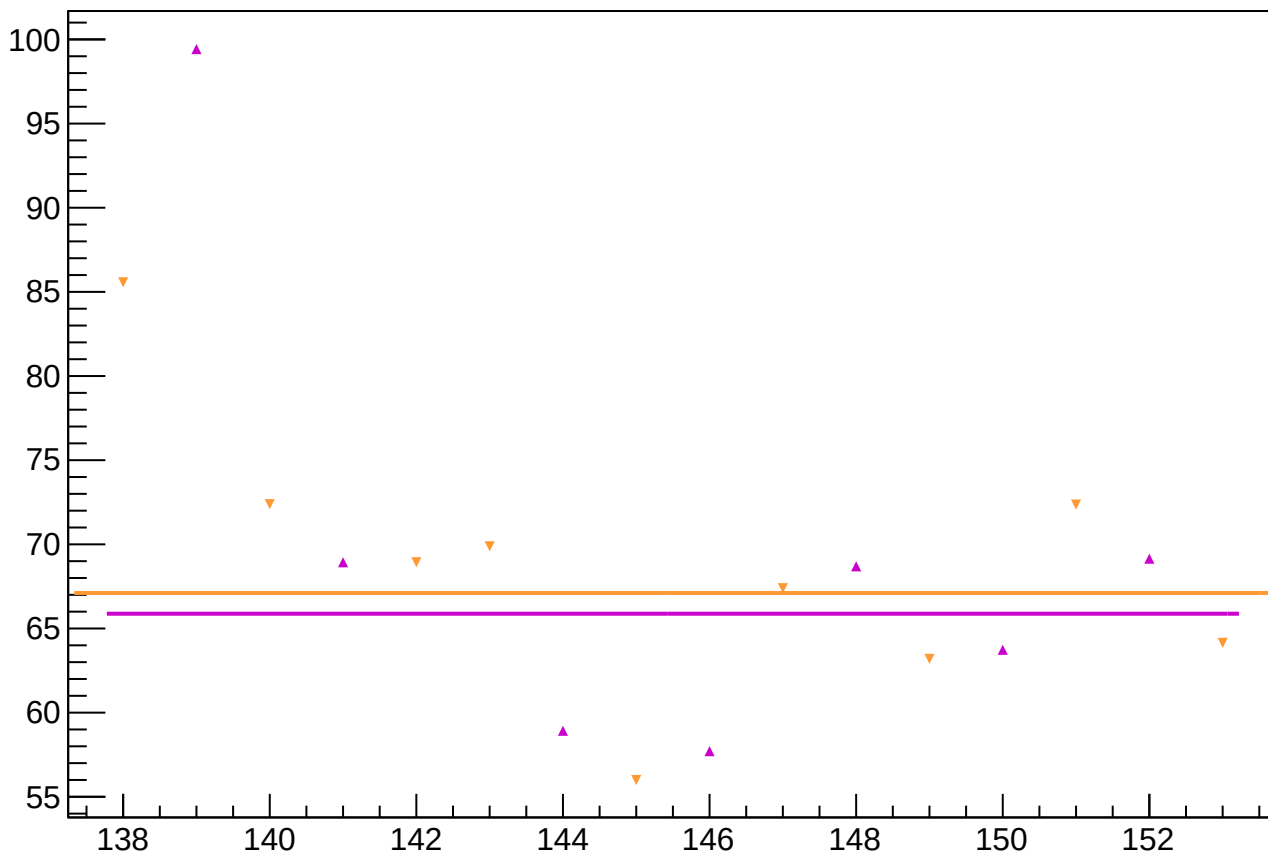
Left In: 105.279+/-28.057 χ^2/NDF : 3.8/6

128.272+/-26.611 χ^2/NDF : 15.6/8

117.383+/-19.308 χ^2/NDF : 19.8/15

105.279+/-28.057 χ^2/NDF : 3.8/6

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 67.110+/-0.019 χ^2/NDF :150815.5/8

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

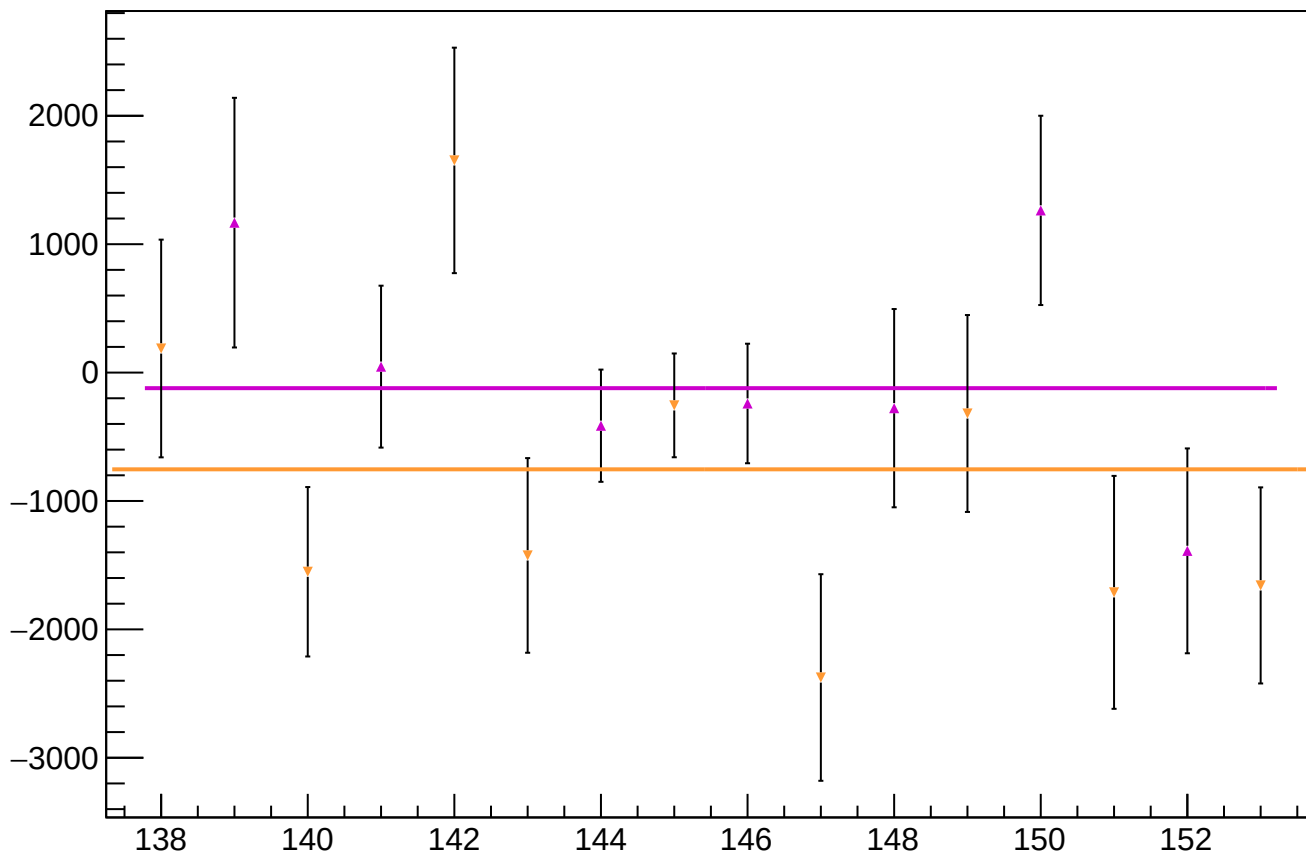
Left In: 65.878+/-0.020 χ^2/NDF :230157.8/6

67.110+/-0.019 χ^2/NDF : 150815.5/8

66.527+/-0.014 χ^2/NDF : 383004.4/15

65.878+/-0.020 χ^2/NDF : 230157.8/6

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -753.511+/-229.285 χ^2/NDF : 19.4/8

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

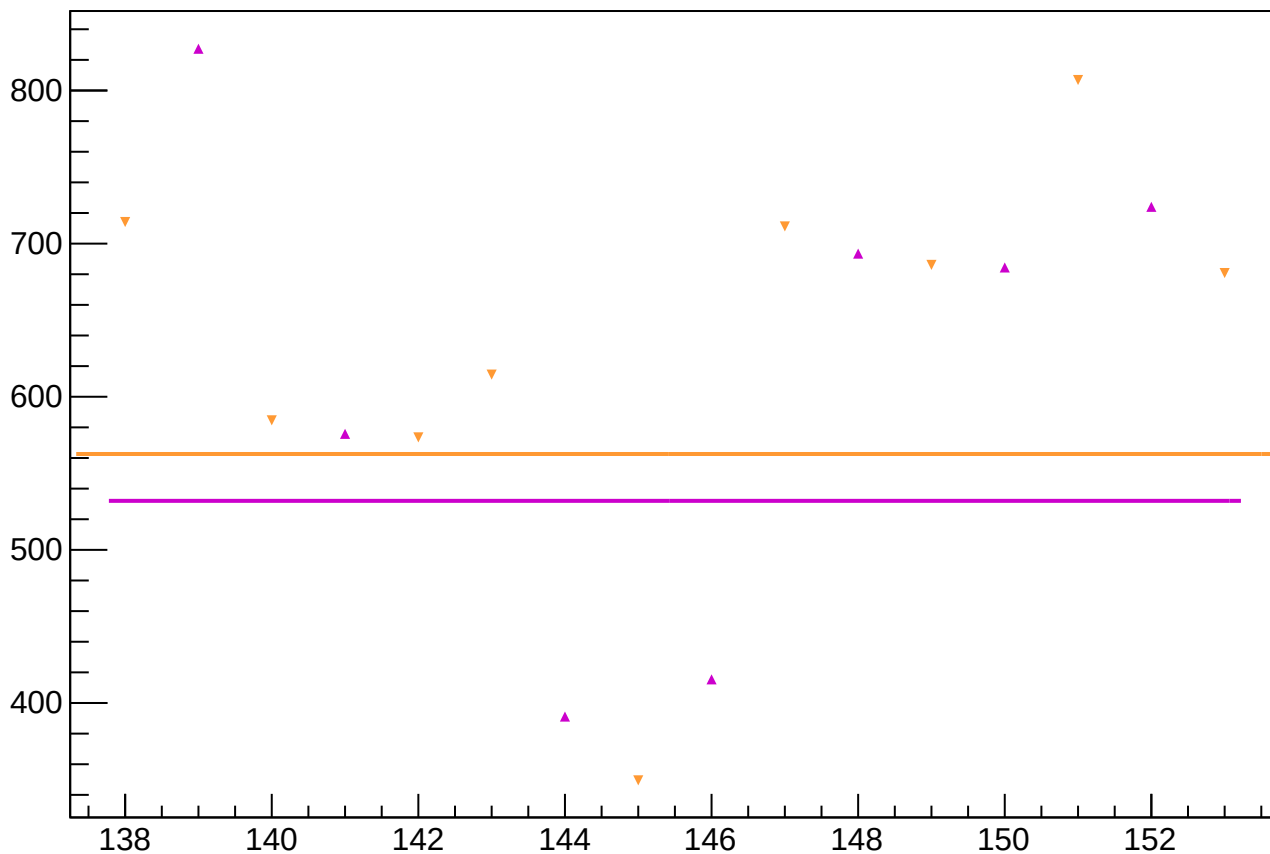
Left In: -121.346+/-232.421 χ^2/NDF : 8.4/6

-753.511+/-229.285 χ^2/NDF : 19.4/8

-441.722+/-163.226 χ^2/NDF : 31.6/15

-121.346+/-232.421 χ^2/NDF : 8.4/6

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 562.611+/-0.162 χ^2/NDF : 944903.1/8

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

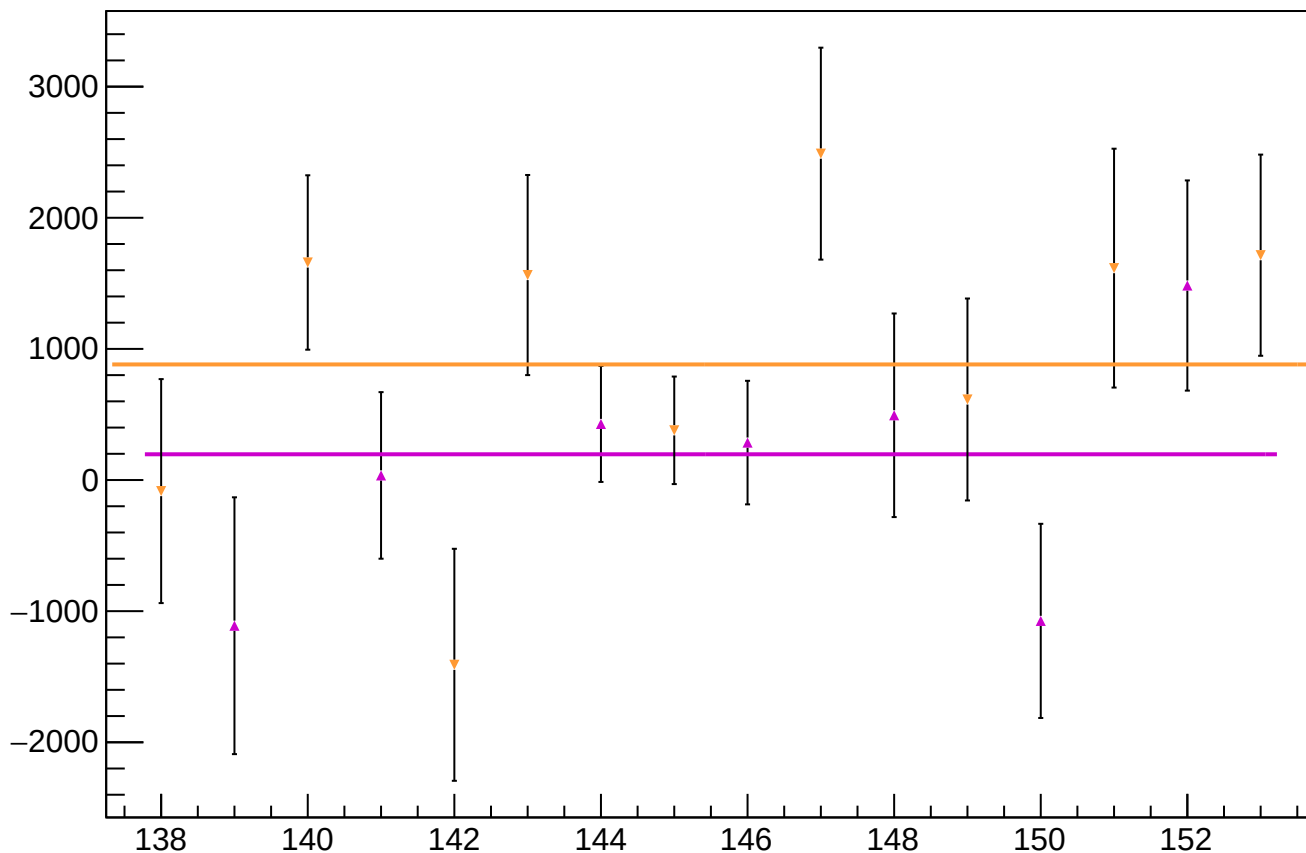
Left In: 532.015+/-0.164 χ^2/NDF : 816148.1/6

562.611+/-0.162 χ^2/NDF : 944903.1/8

547.521+/-0.115 χ^2/NDF : 1778615.8/15

532.015+/-0.164 χ^2/NDF : 816148.1/6

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 881.541+/-231.267 χ^2/NDF : 17.6/8

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

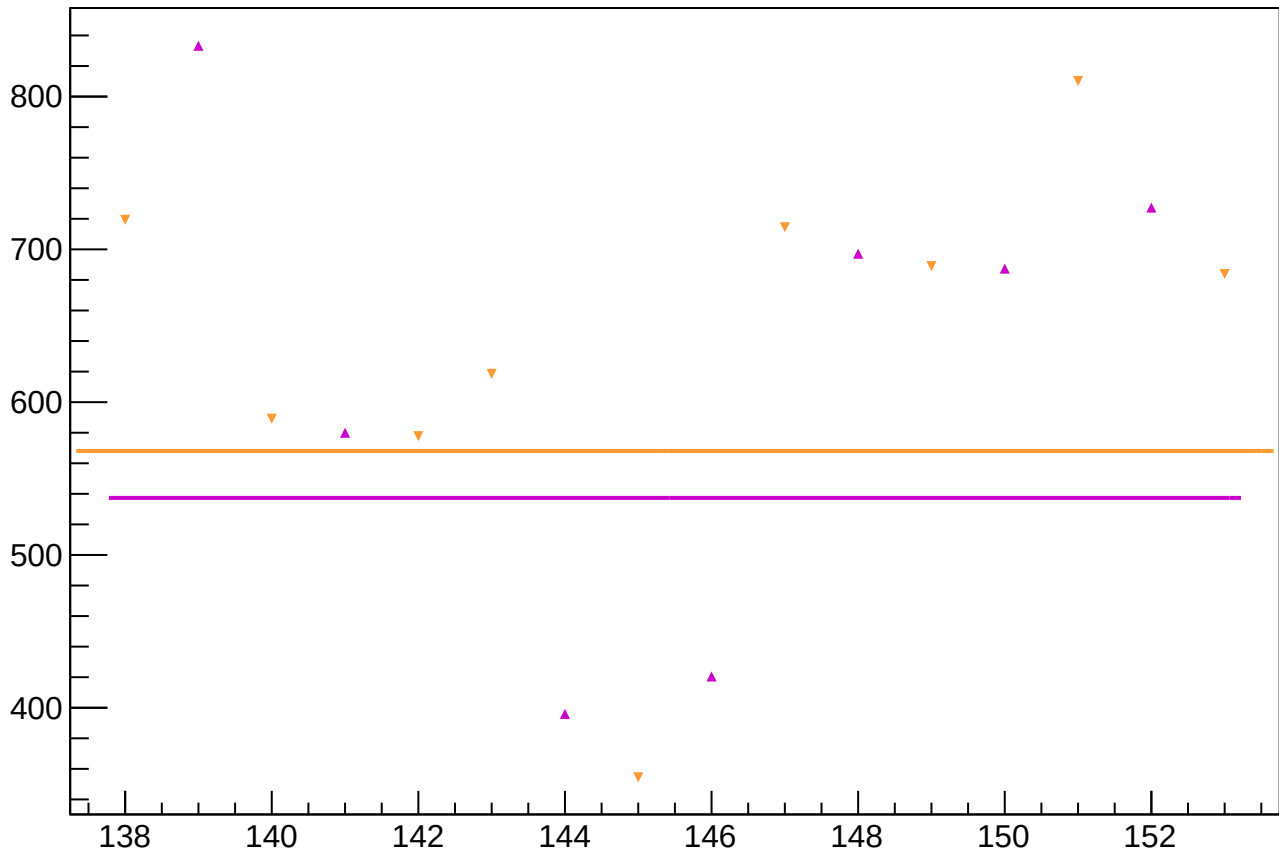
Left In: 196.378+/-234.539 χ^2/NDF : 7.8/6

881.541+/-231.267 χ^2/NDF : 17.6/8

543.773+/-164.675 χ^2/NDF : 29.7/15

196.378+/-234.539 χ^2/NDF : 7.8/6

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 568.068+/-0.164 χ^2/NDF : 918461.2/8

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

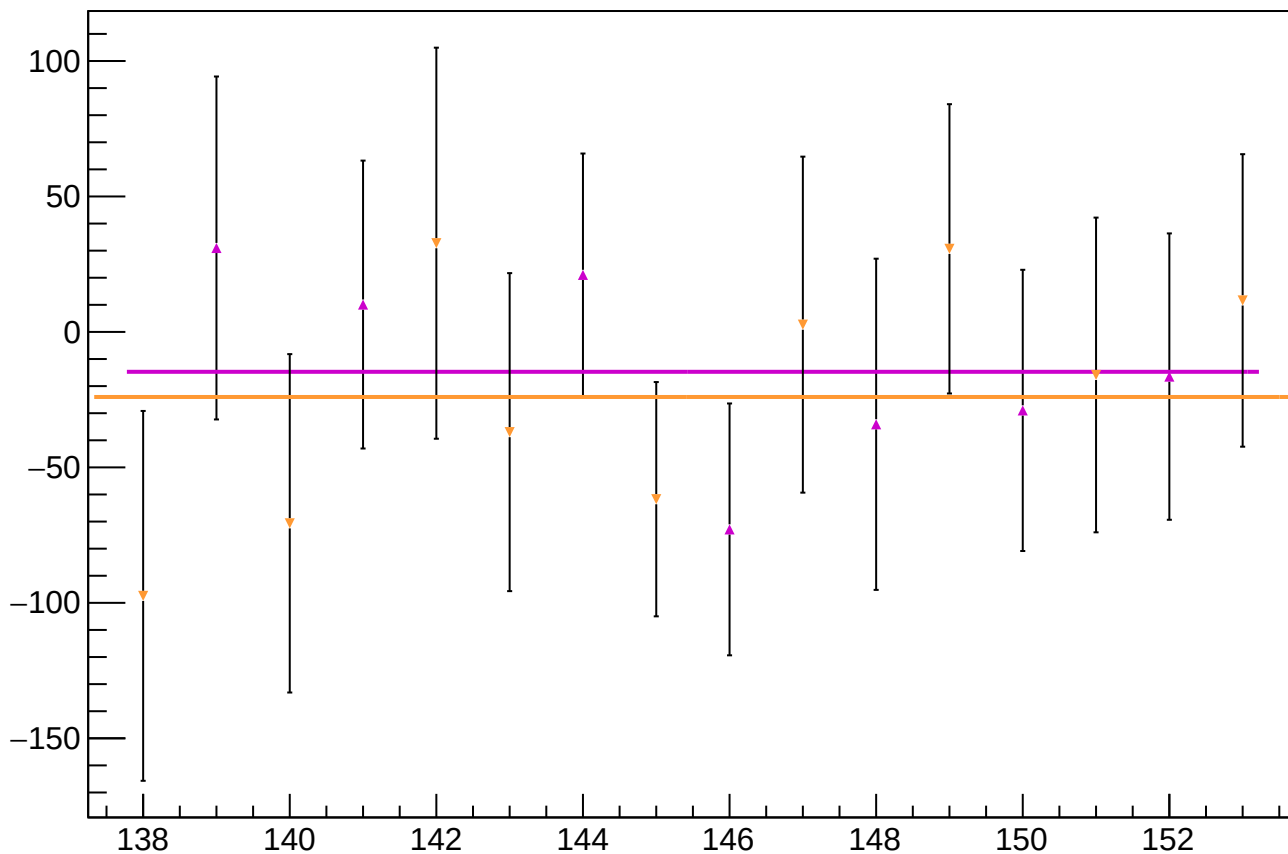
Left In: 537.344+/-0.166 χ^2/NDF : 798455.5/6

568.068+/-0.164 χ^2/NDF : 918461.2/8

552.922+/-0.116 χ^2/NDF : 1734318.1/15

537.344+/-0.166 χ^2/NDF : 798455.5/6

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: -24.012+/-19.109 χ^2/NDF : 4.8/8

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

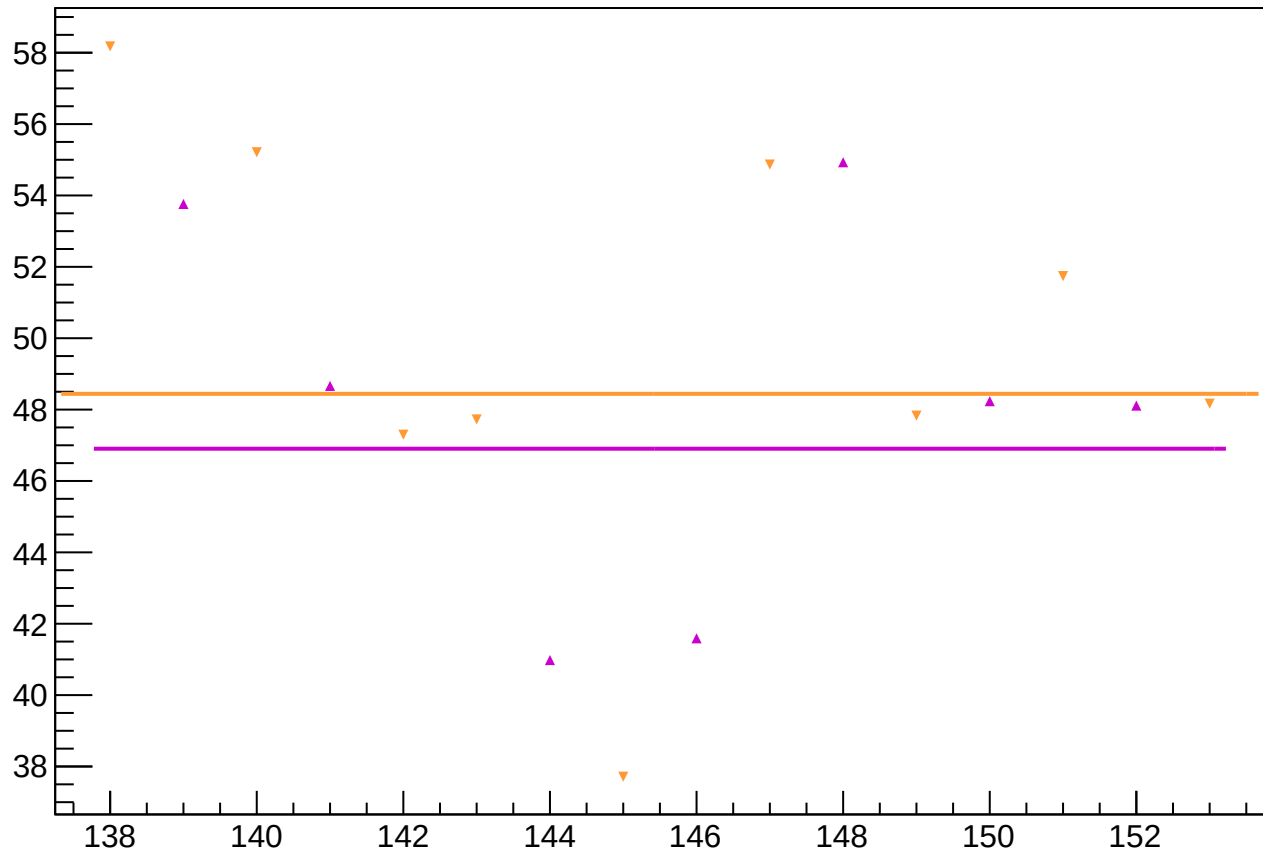
Left In: -14.719+/-19.756 χ^2/NDF : 3.1/6

-24.012+/-19.109 χ^2/NDF : 4.8/8

-19.520+/-13.735 χ^2/NDF : 8.1/15

-14.719+/-19.756 χ^2/NDF : 3.1/6

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: 48.441+/-0.014 χ^2/NDF : 216328.8/8

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

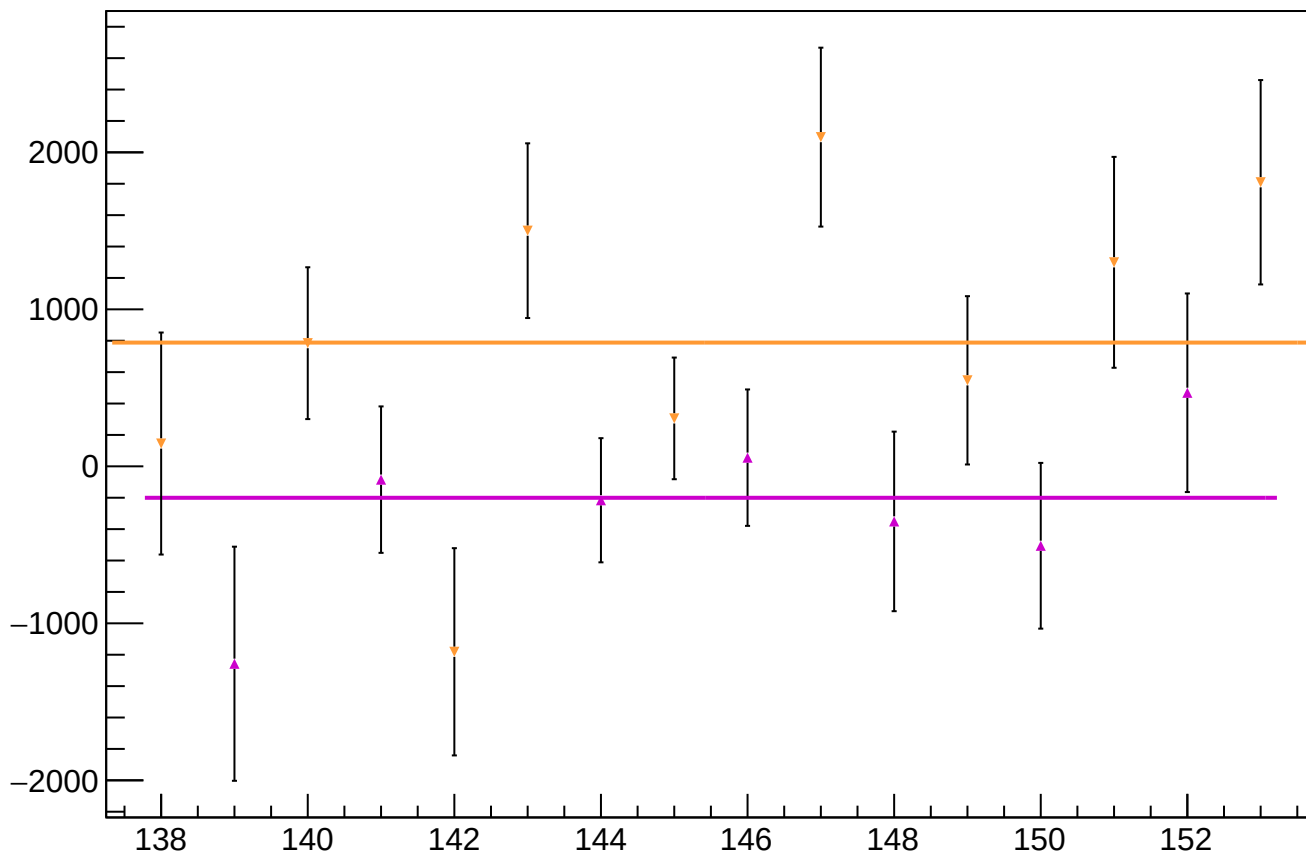
Left In: 46.904+/-0.014 χ^2/NDF : 123611.1/6

48.441+/-0.014 χ^2/NDF : 216328.8/8

47.698+/-0.010 χ^2/NDF : 346196.4/15

46.904+/-0.014 χ^2/NDF : 123611.1/6

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: 788.246+/-183.807 χ^2/NDF : 21.4/8

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

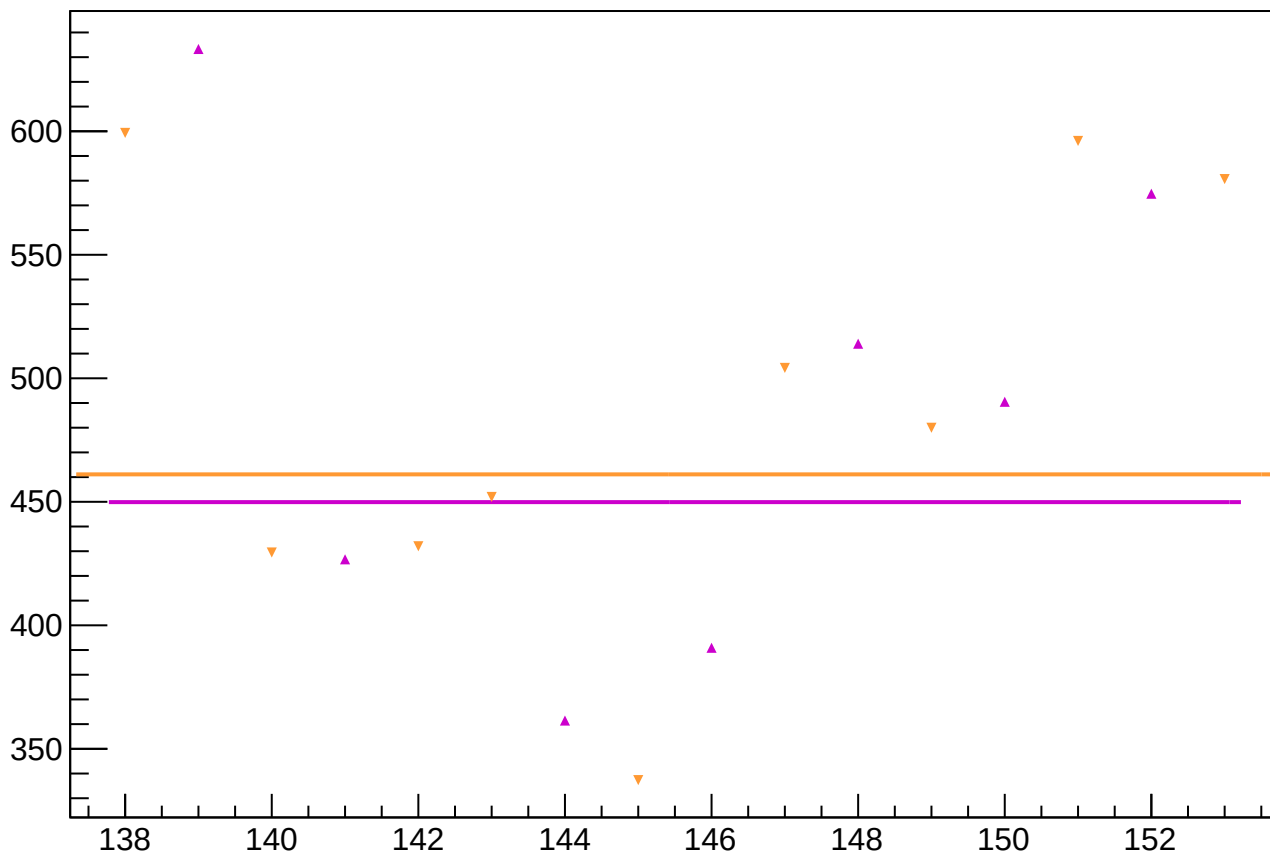
Left In: -200.397+/-191.630 χ^2/NDF : 3.9/6

788.246+/-183.807 χ^2/NDF : 21.4/8

314.516+/-132.651 χ^2/NDF : 39.2/15

-200.397+/-191.630 χ^2/NDF : 3.9/6

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: 461.110+/-0.130 χ^2/NDF : 455638.3/8

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

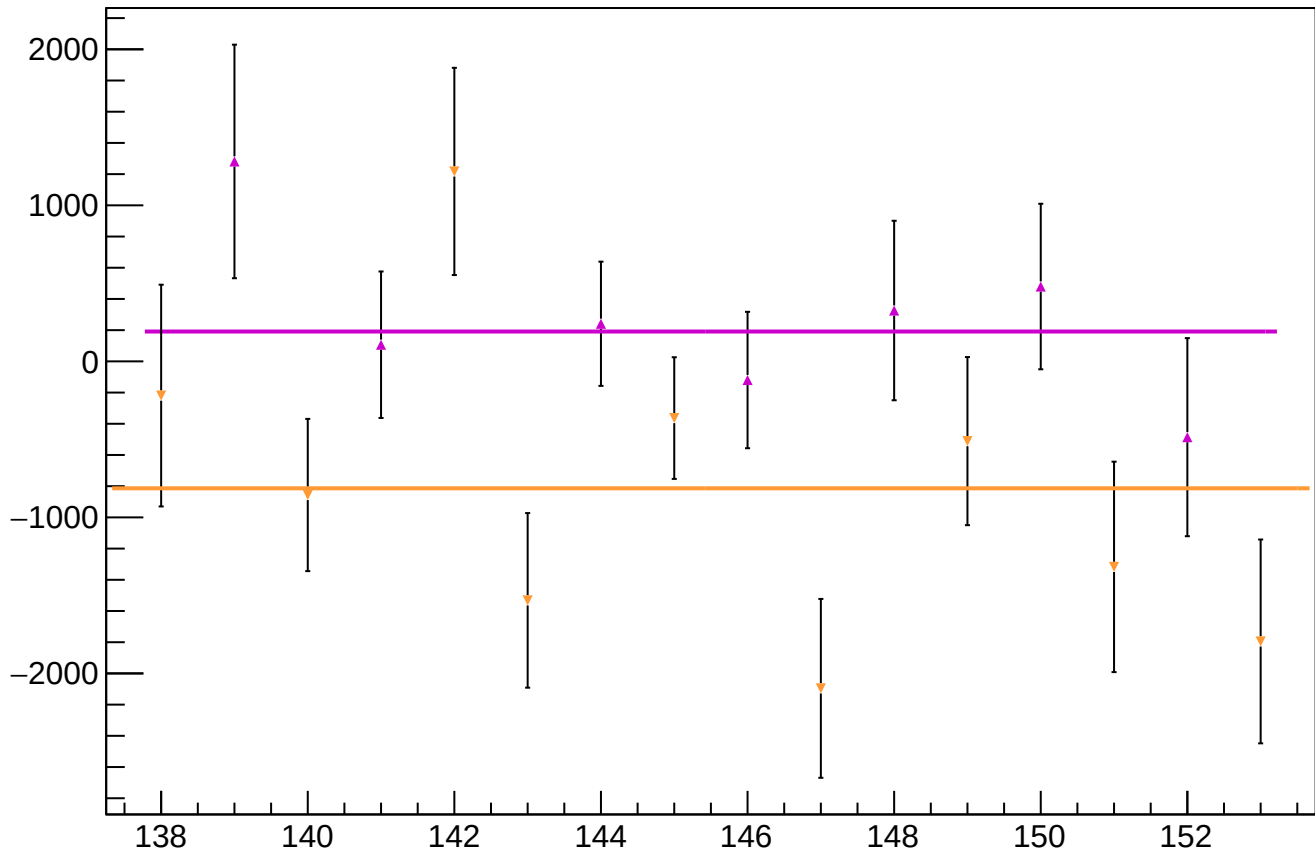
Left In: 449.873+/-0.136 χ^2/NDF : 377694.0/6

461.110+/-0.130 χ^2/NDF : 455638.3/8

455.726+/-0.094 χ^2/NDF : 836914.5/15

449.873+/-0.136 χ^2/NDF : 377694.0/6

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -813.570+/-184.884 χ^2/NDF : 21.2/8

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

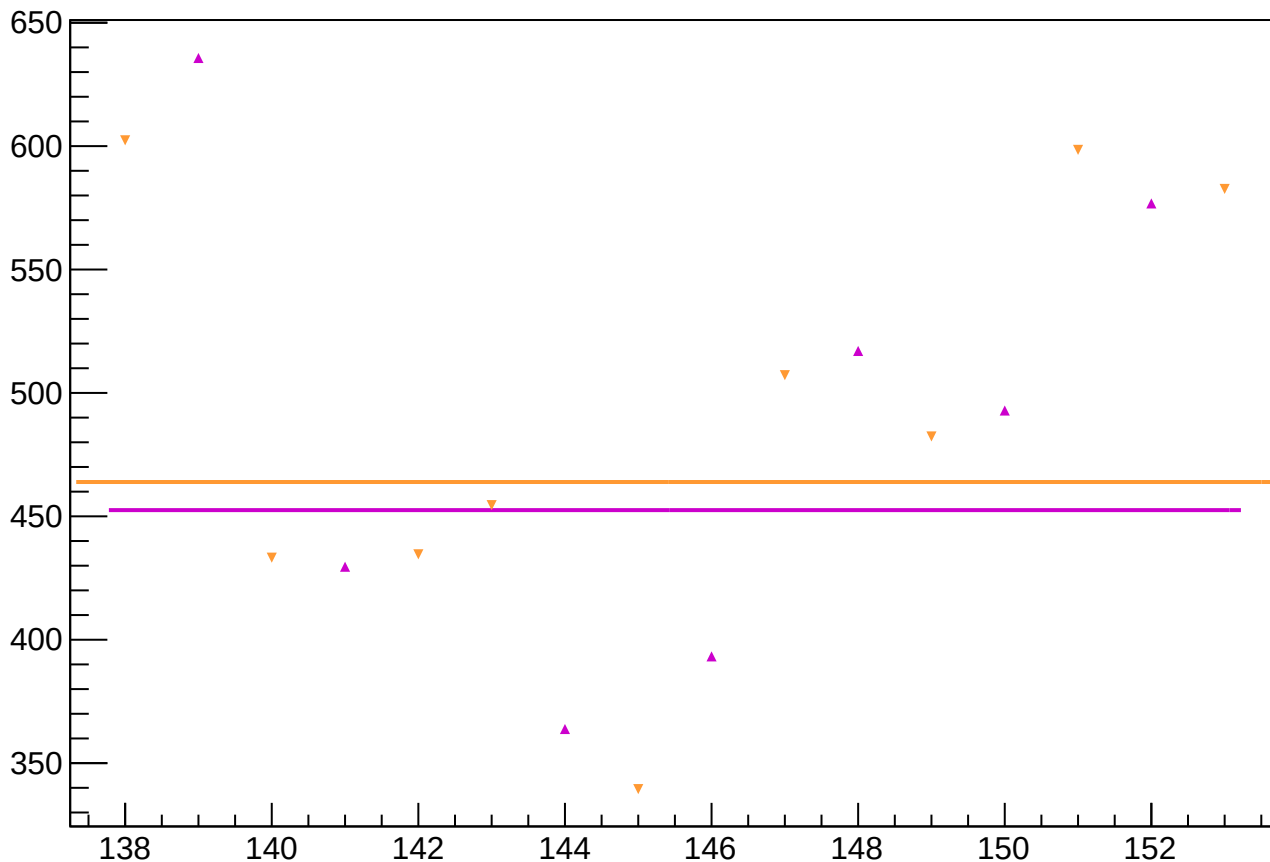
Left In: 191.252+/-192.719 χ^2/NDF : 4.2/6

-813.570+/-184.884 χ^2/NDF : 21.2/8

-331.999+/-133.417 χ^2/NDF : 39.5/15

191.252+/-192.719 χ^2/NDF : 4.2/6

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 463.909+/-0.131 χ^2/NDF : 451462.5/8

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

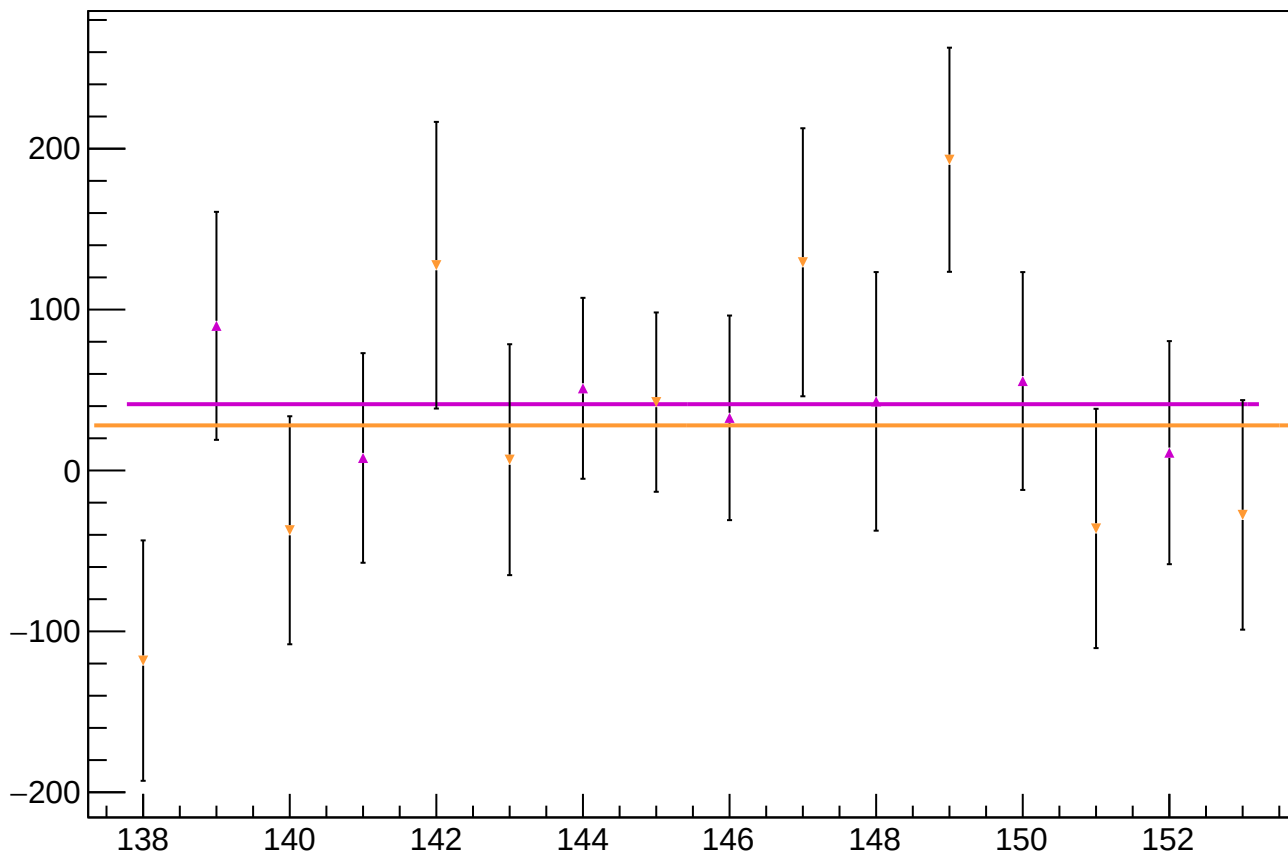
Left In: 452.518+/-0.136 χ^2/NDF : 373998.8/6

463.909+/-0.131 χ^2/NDF : 451462.5/8

458.449+/-0.094 χ^2/NDF : 829099.9/15

452.518+/-0.136 χ^2/NDF : 373998.8/6

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: 28.030+/-23.917 χ^2/NDF :14.5/8

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

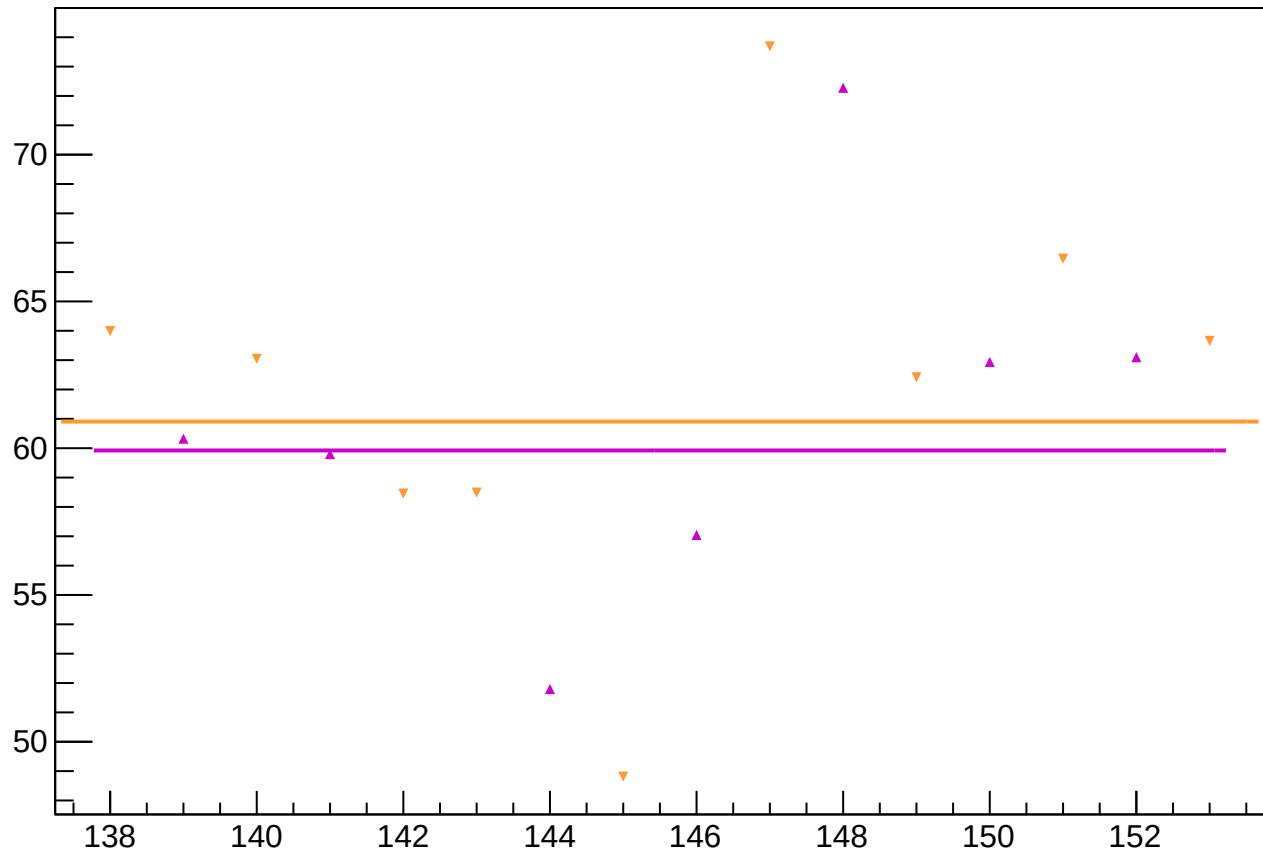
Left In: 41.197+/-25.161 χ^2/NDF :1.0/6

28.030+/-23.917 χ^2/NDF : 14.5/8

34.280+/-17.335 χ^2/NDF : 15.7/15

41.197+/-25.161 χ^2/NDF : 1.0/6

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: 60.907+/-0.017 χ^2/NDF : 165378.3/8

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

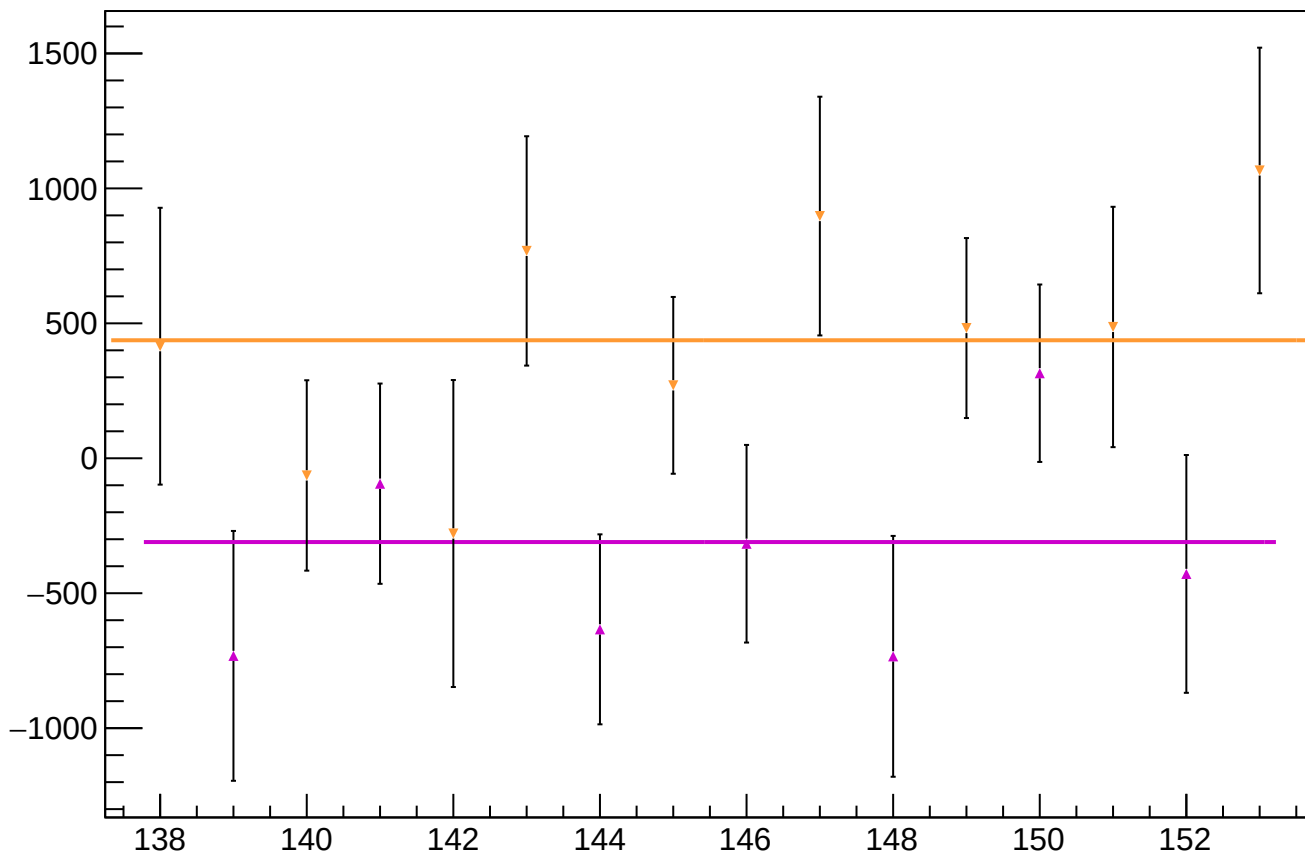
Left In: 59.923+/-0.018 χ^2/NDF : 101382.9/6

60.907+/-0.017 χ^2/NDF : 165378.3/8

60.440+/-0.012 χ^2/NDF : 268368.2/15

59.923+/-0.018 χ^2/NDF : 101382.9/6

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: 437.273+/-136.379 χ^2/NDF : 7.5/8

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

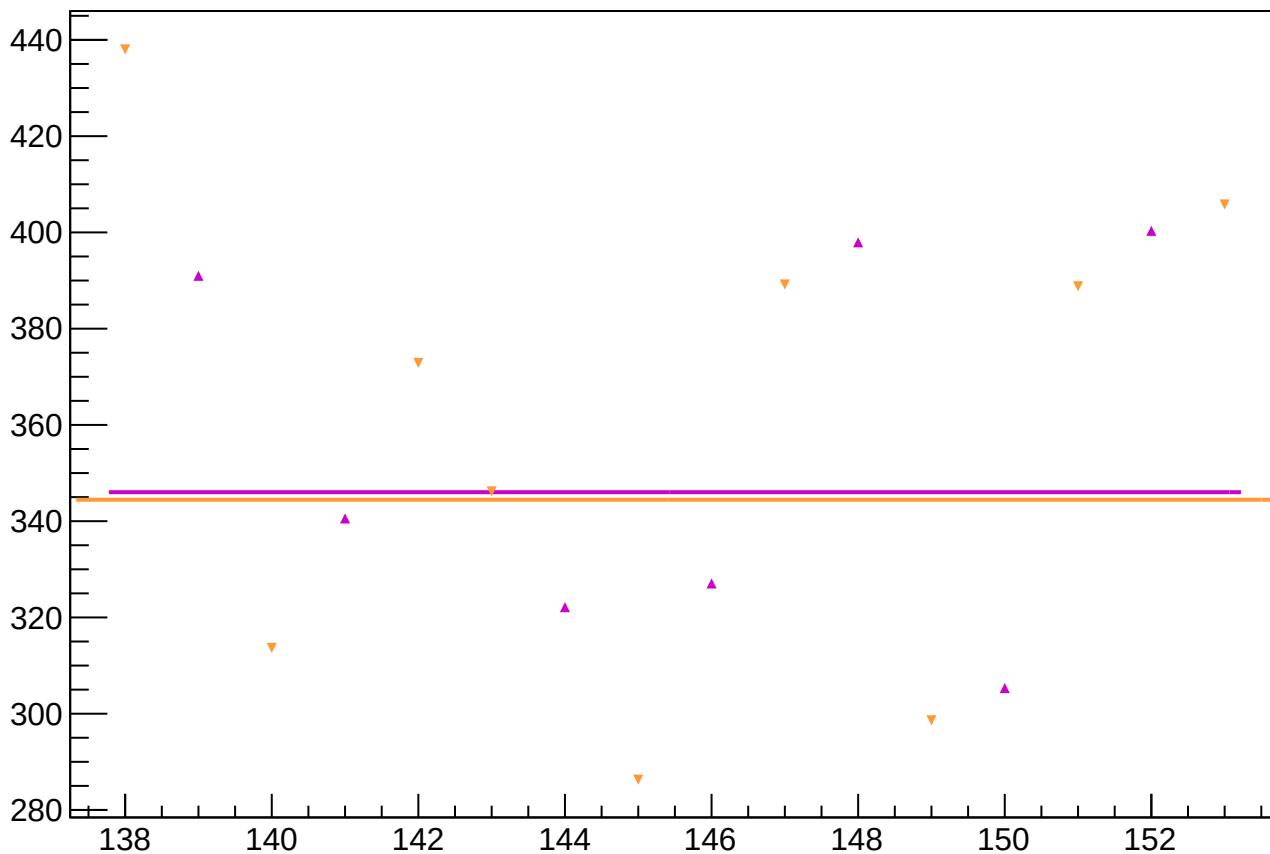
Left In: -310.411+/-146.037 χ^2/NDF : 6.6/6

437.273+/-136.379 χ^2/NDF : 7.5/8

88.971+/-99.674 χ^2/NDF : 28.1/15

-310.411+/-146.037 χ^2/NDF : 6.6/6

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: 344.459+/-0.096 χ^2/NDF : 264311.0/8

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

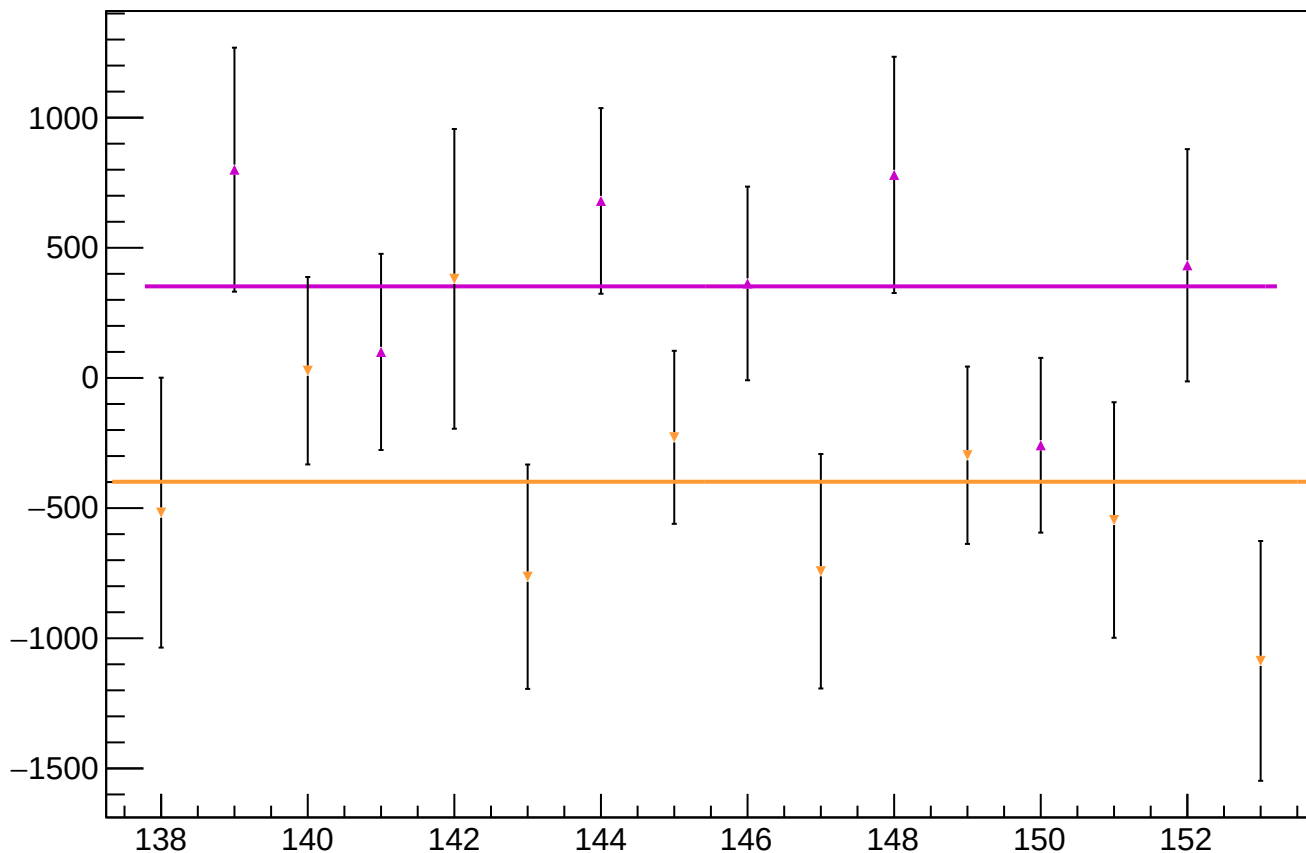
Left In: 346.024+/-0.103 χ^2/NDF : 121998.2/6

344.459+/-0.096 χ^2/NDF : 264311.0/8

345.188+/-0.070 χ^2/NDF : 386431.8/15

346.024+/-0.103 χ^2/NDF : 121998.2/6

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -398.722+/-138.628 χ^2/NDF : 7.3/8

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

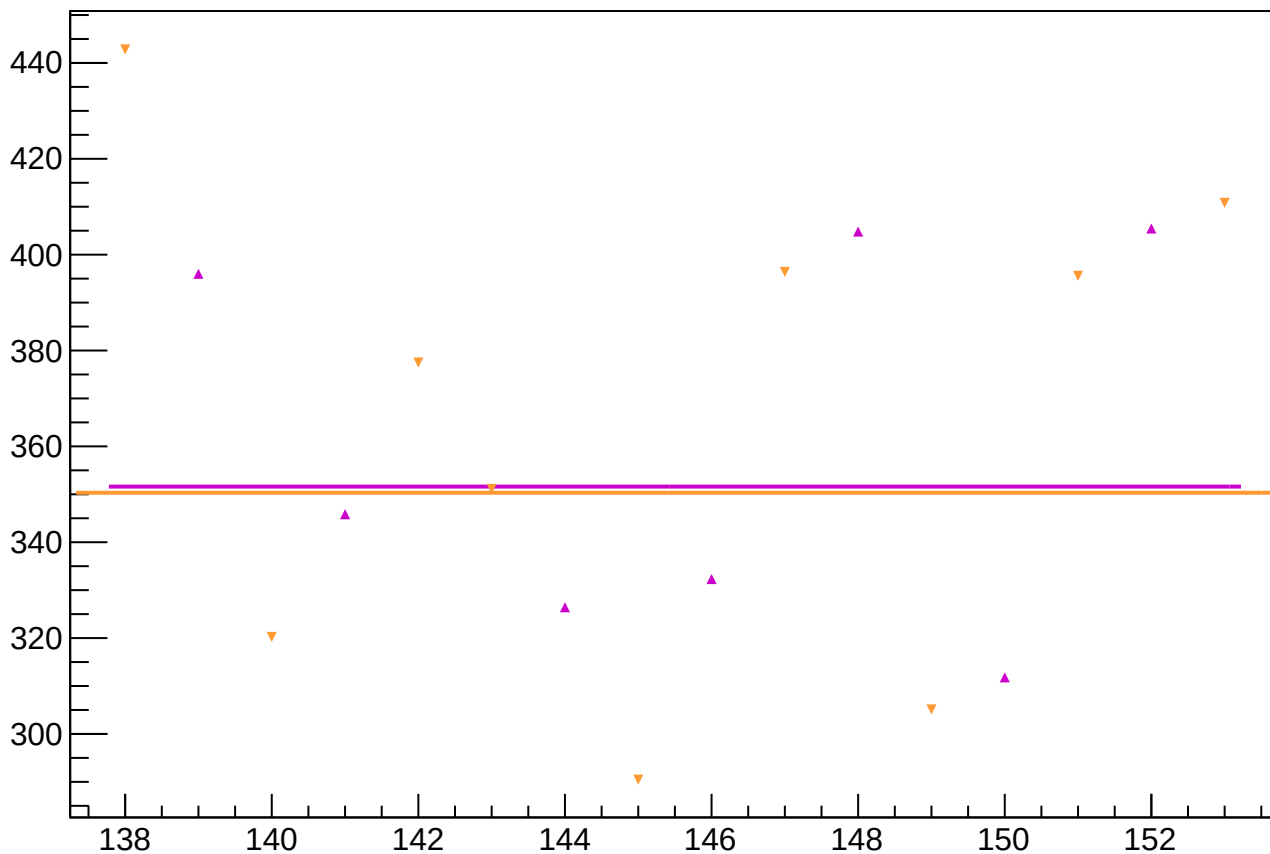
Left In: 351.830+/-148.336 χ^2/NDF : 6.4/6

-398.722+/-138.628 χ^2/NDF : 7.3/8

-48.808+/-101.283 χ^2/NDF : 27.4/15

351.830+/-148.336 χ^2/NDF : 6.4/6

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 350.326+/-0.098 χ^2/NDF : 257609.5/8

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

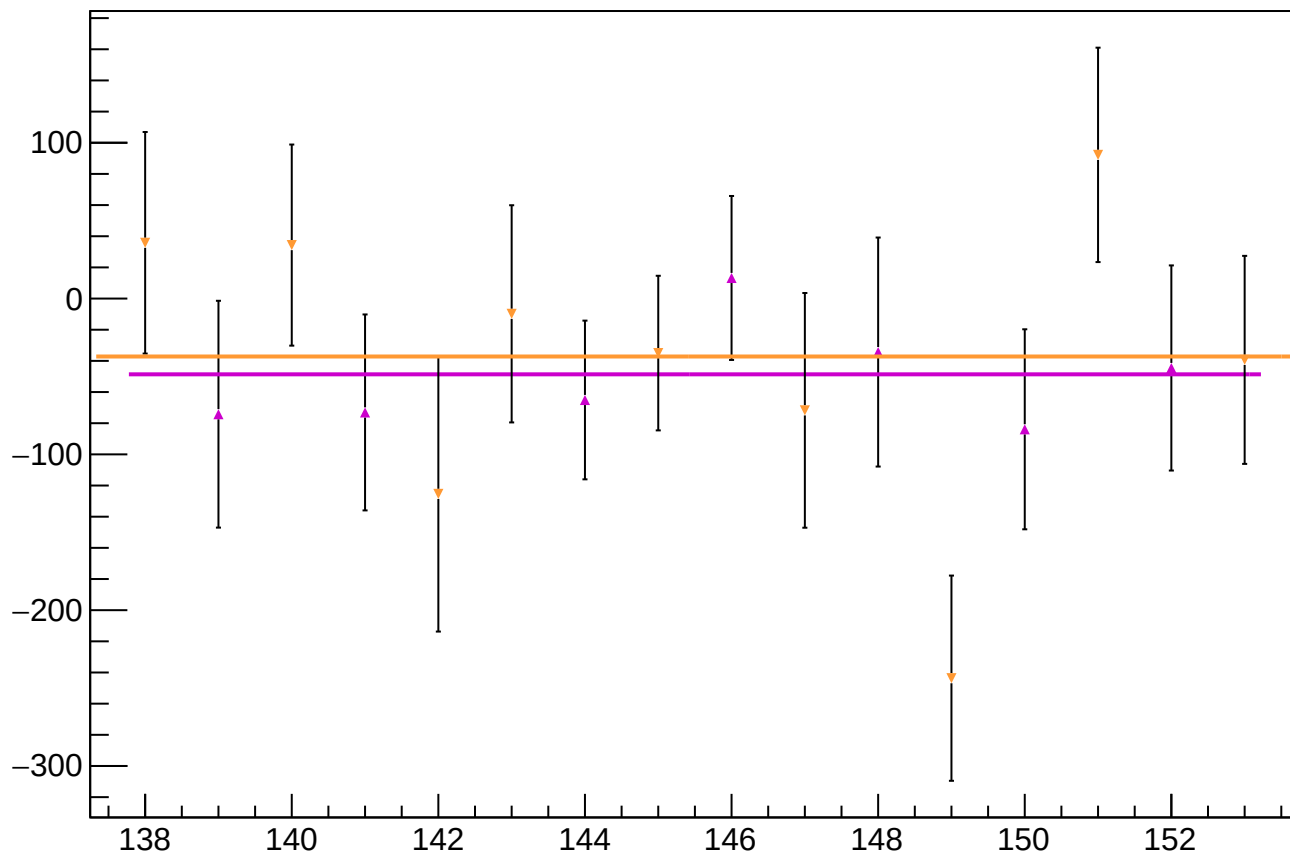
Left In: 351.607+/-0.105 χ^2/NDF : 118549.3/6

350.326+/-0.098 χ^2/NDF : 257609.5/8

350.923+/-0.072 χ^2/NDF : 376238.4/15

351.607+/-0.105 χ^2/NDF : 118549.3/6

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: -37.188+/-22.247 χ^2/NDF : 17.0/8

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

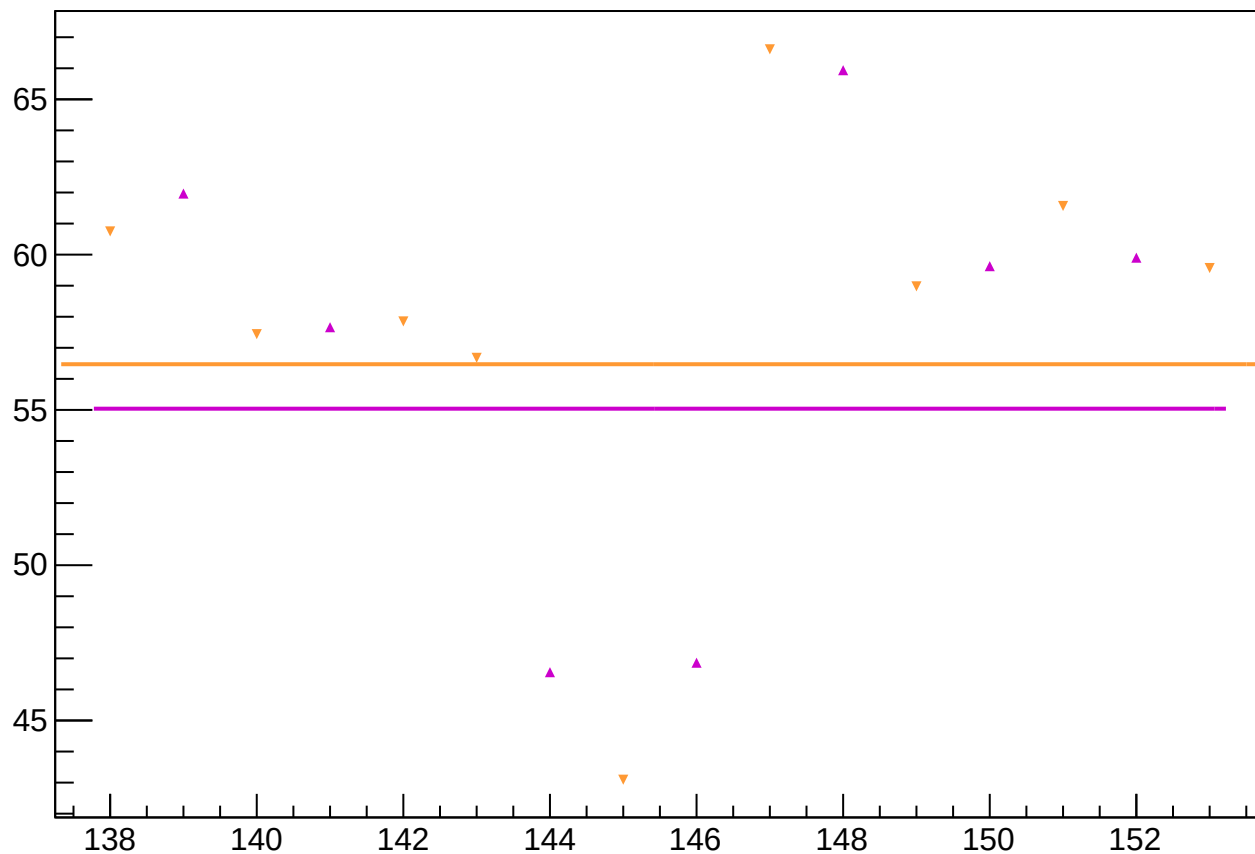
Left In: -48.627+/-23.269 χ^2/NDF : 2.1/6

-37.188+/-22.247 χ^2/NDF : 17.0/8

-42.651+/-16.080 χ^2/NDF : 19.2/15

-48.627+/-23.269 χ^2/NDF : 2.1/6

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: 56.471+/-0.016 χ^2/NDF : 207984.8/8

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

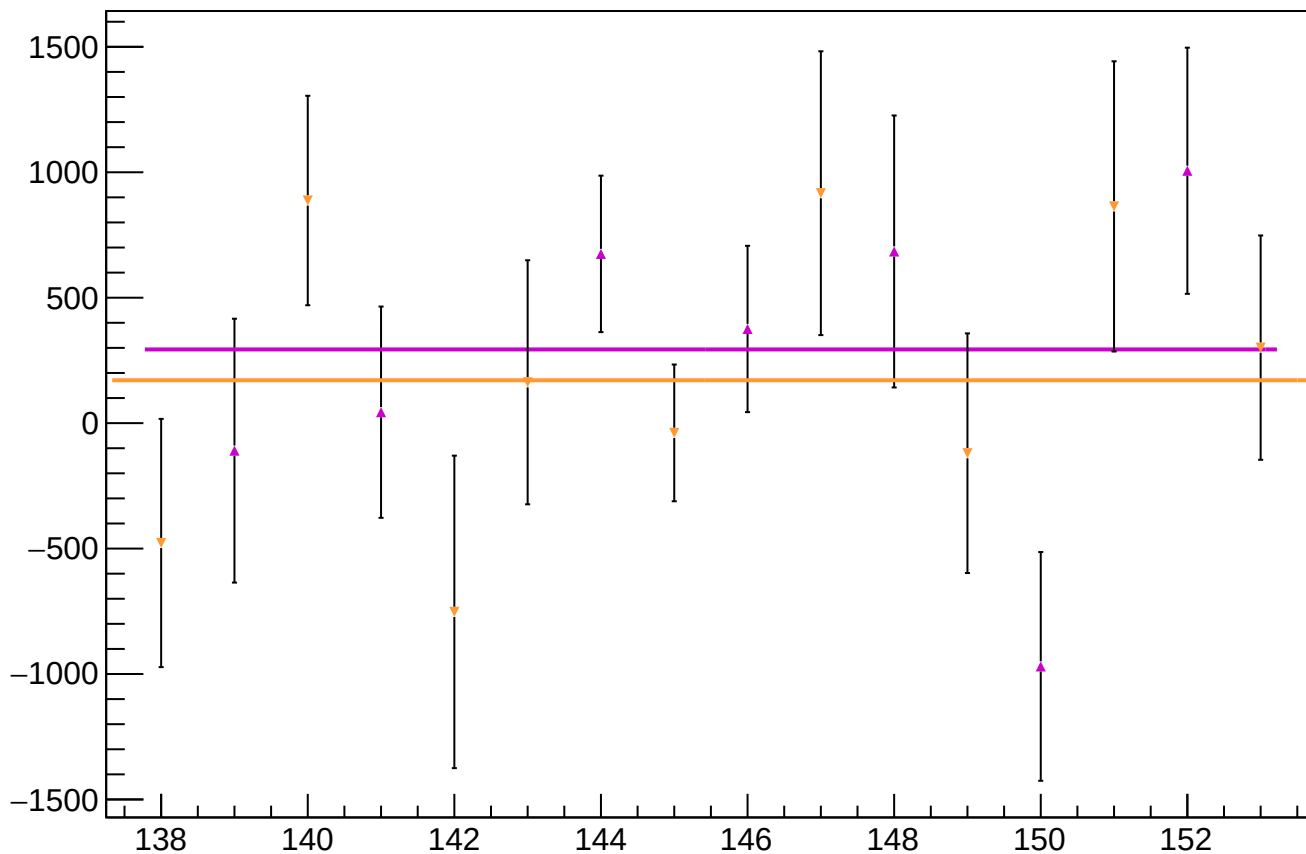
Left In: 55.040+/-0.016 χ^2/NDF : 190525.0/6

56.471+/-0.016 χ^2/NDF : 207984.8/8

55.788+/-0.011 χ^2/NDF : 402465.0/15

55.040+/-0.016 χ^2/NDF : 190525.0/6

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: 170.906+/-148.095 χ^2/NDF : 11.1/8

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

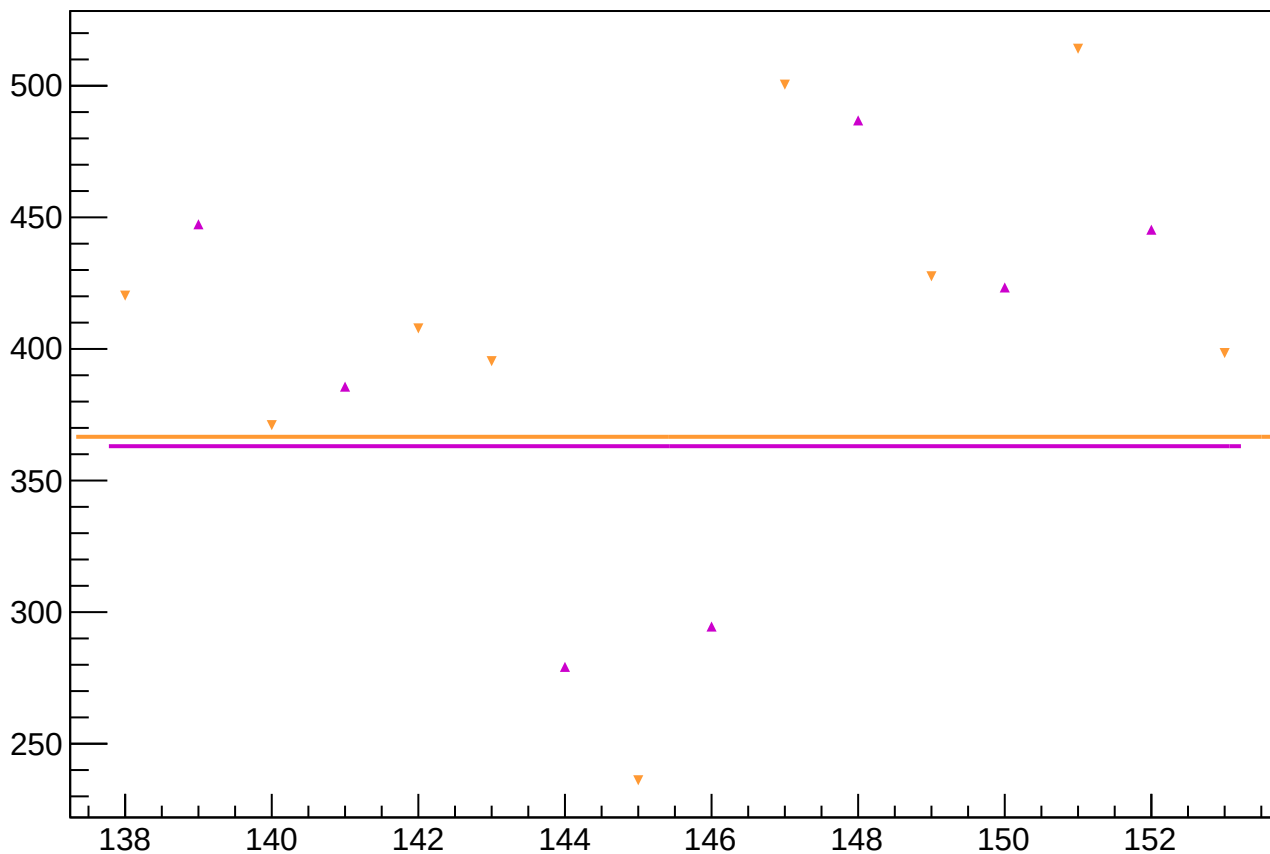
Left In: 293.784+/-156.160 χ^2/NDF : 12.8/6

170.906+/-148.095 χ^2/NDF : 11.1/8

229.090+/-107.457 χ^2/NDF : 24.2/15

293.784+/-156.160 χ^2/NDF : 12.8/6

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: 366.623+/-0.105 χ^2/NDF : 782769.4/8

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

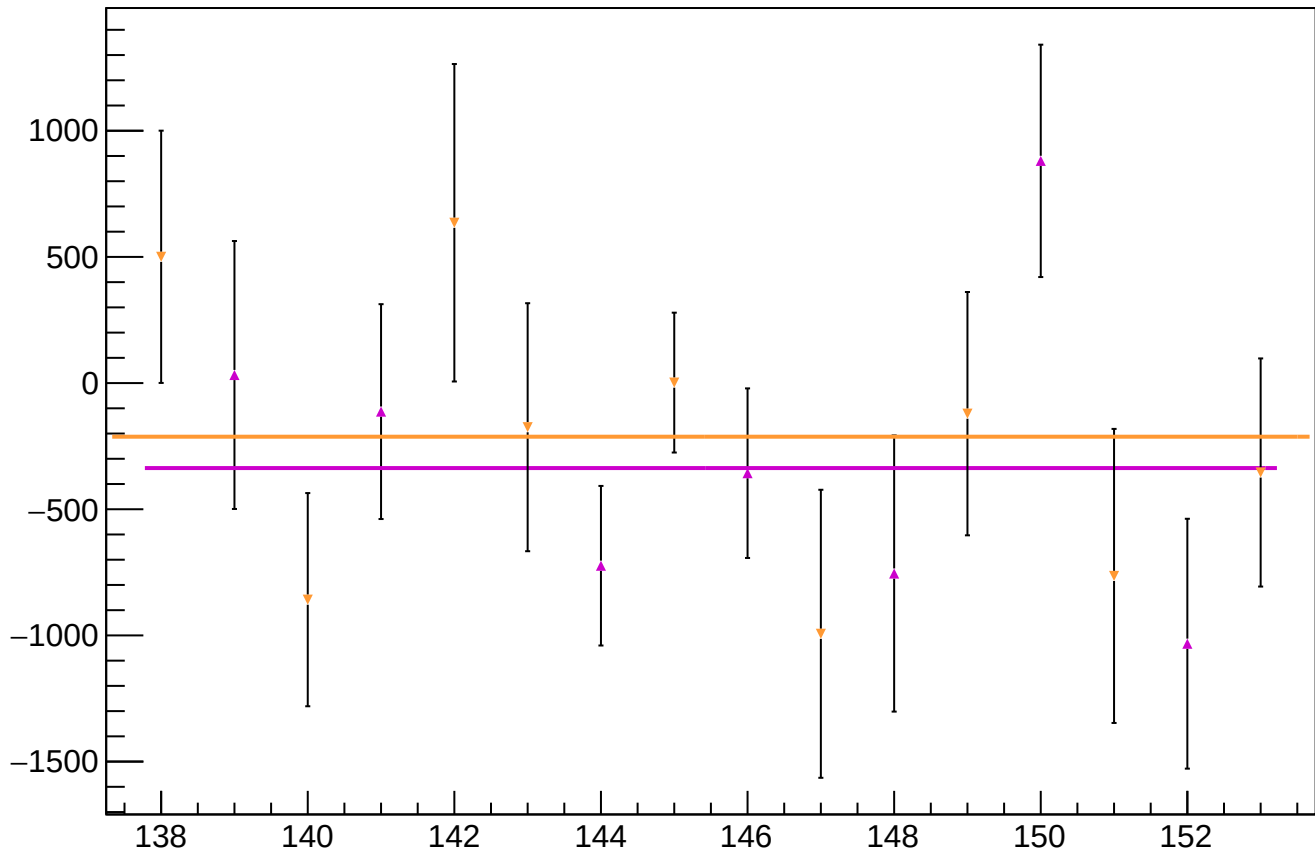
Left In: 363.051+/-0.110 χ^2/NDF : 482788.4/6

366.623+/-0.105 χ^2/NDF : 782769.4/8

364.932+/-0.076 χ^2/NDF : 1266108.8/15

363.051+/-0.110 χ^2/NDF : 482788.4/6

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -212.503+/-149.898 χ^2/NDF : 9.7/8

-212.503+/-149.898 χ^2/NDF : 9.7/8

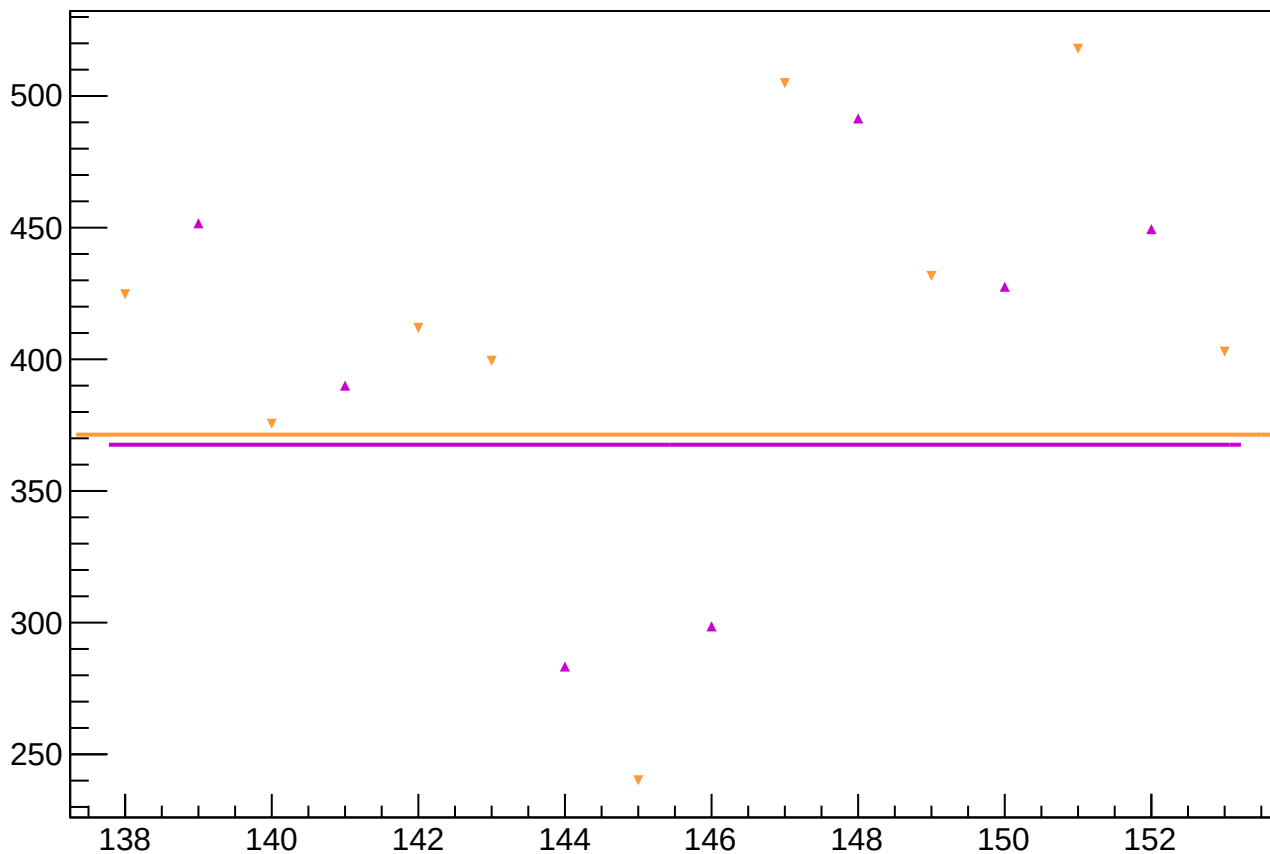
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-271.379+/-108.747 χ^2/NDF : 21.8/15

Left In: -336.794+/-158.004 χ^2/NDF : 11.8/6

-336.794+/-158.004 χ^2/NDF : 11.8/6

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 371.409+/-0.106 χ^2/NDF : 763397.7/8

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

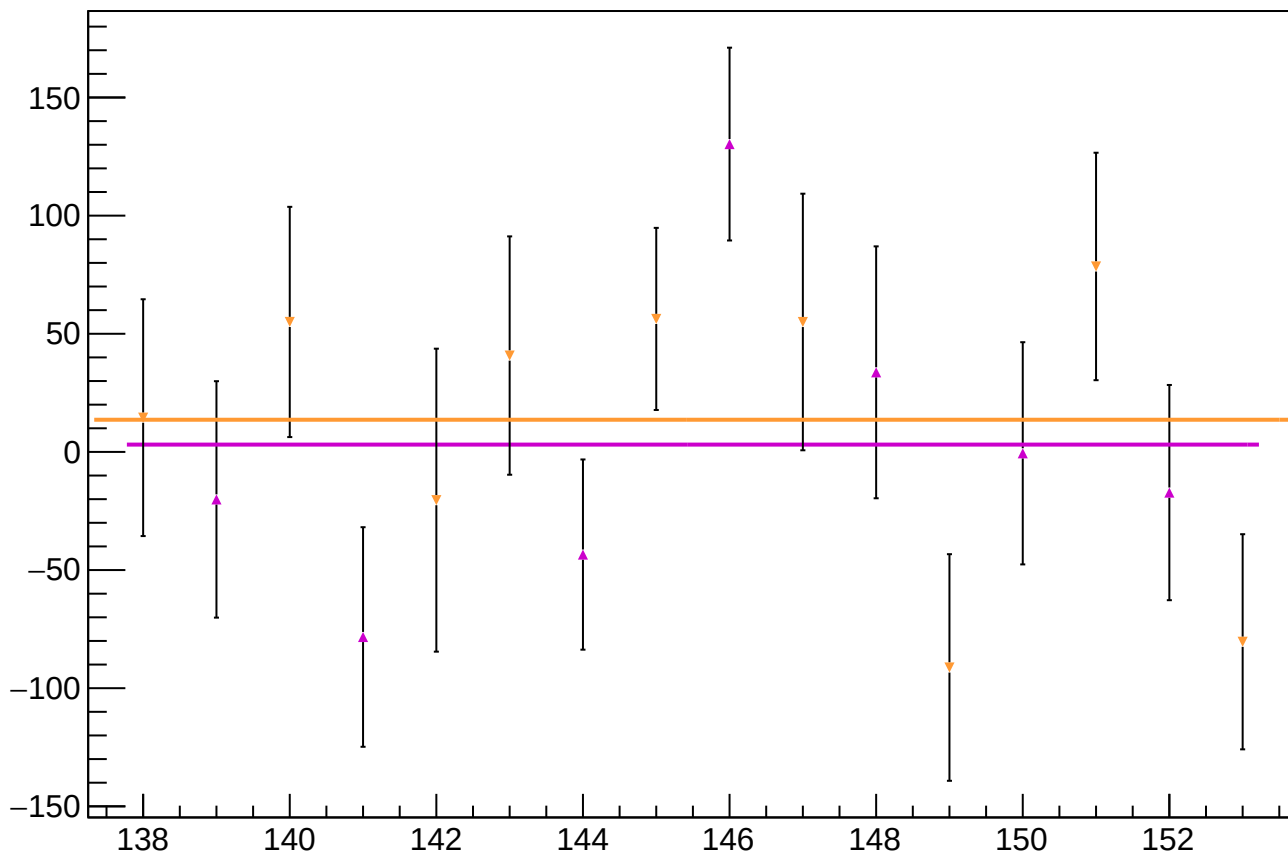
Left In: 367.560+/-0.112 χ^2/NDF : 473171.9/6

371.409+/-0.106 χ^2/NDF : 763397.7/8

369.586+/-0.077 χ^2/NDF : 1237194.3/15

367.560+/-0.112 χ^2/NDF : 473171.9/6

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: 13.618+/-16.185 χ^2/NDF : 14.0/8

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

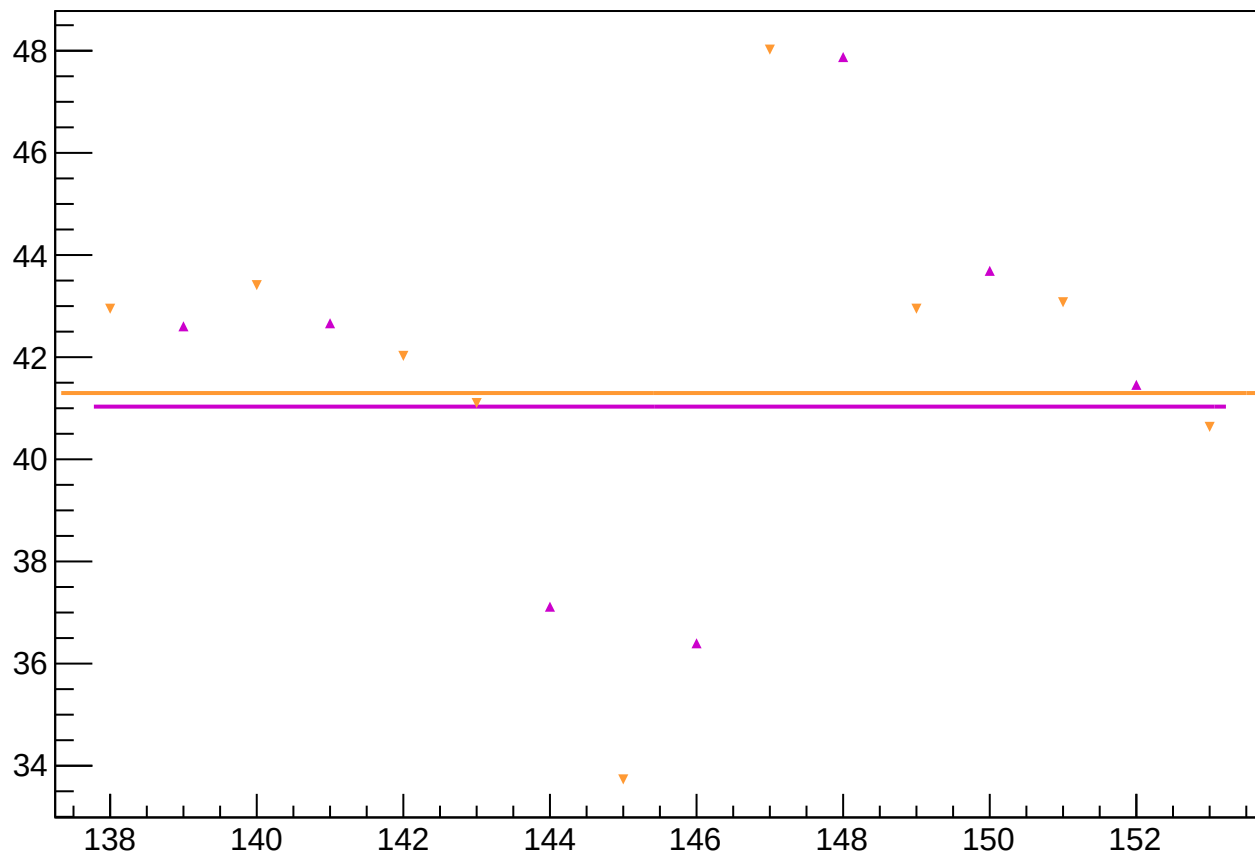
Left In: 3.098+/-17.234 χ^2/NDF : 14.9/6

13.618+/-16.185 χ^2/NDF : 14.0/8

8.688+/-11.798 χ^2/NDF : 29.0/15

3.098+/-17.234 χ^2/NDF : 14.9/6

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: 41.298+/-0.011 χ^2/NDF :119483.9/8

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

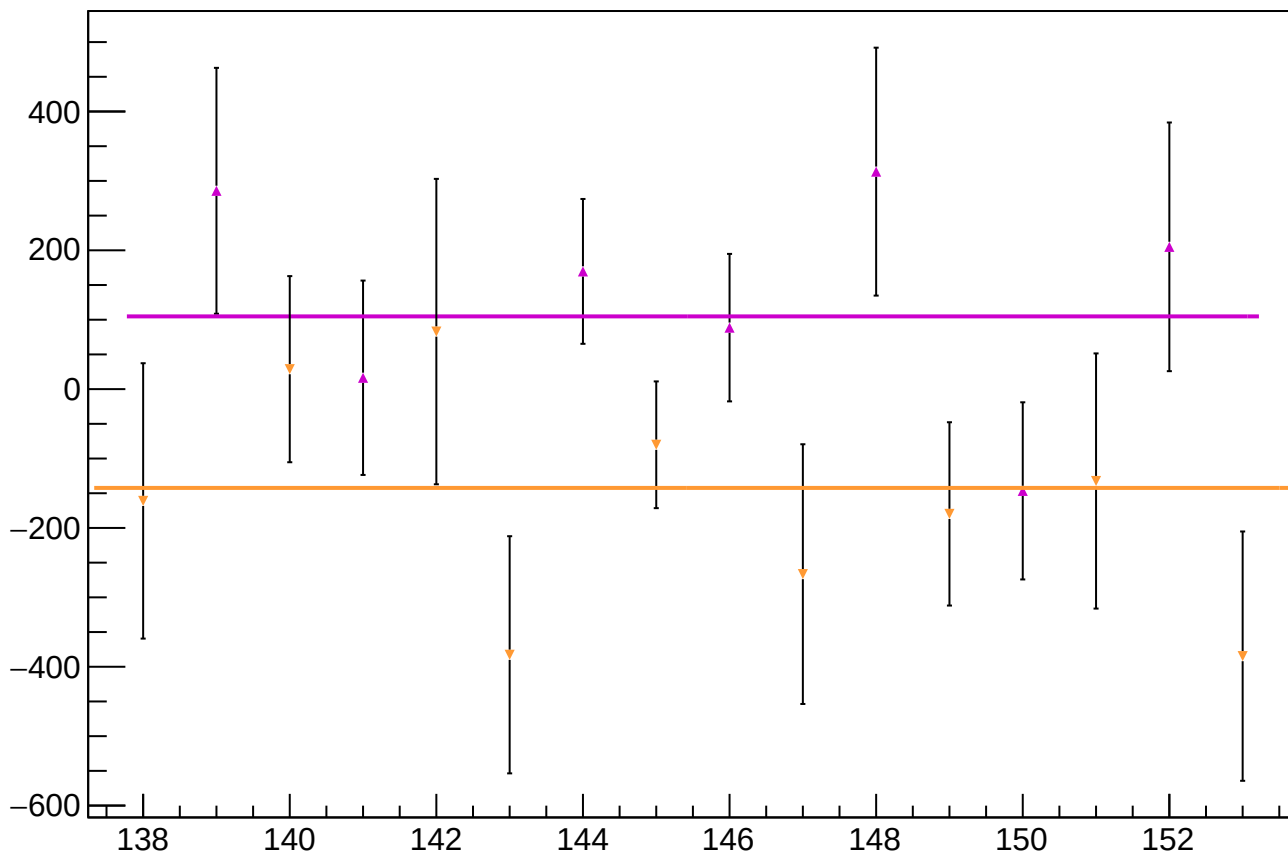
Left In: 41.032+/-0.012 χ^2/NDF :88729.2/6

41.298+/-0.011 χ^2/NDF : 119483.9/8

41.173+/-0.008 χ^2/NDF : 208466.2/15

41.032+/-0.012 χ^2/NDF : 88729.2/6

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: -142.335+/-49.849 χ^2/NDF : 7.5/8

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

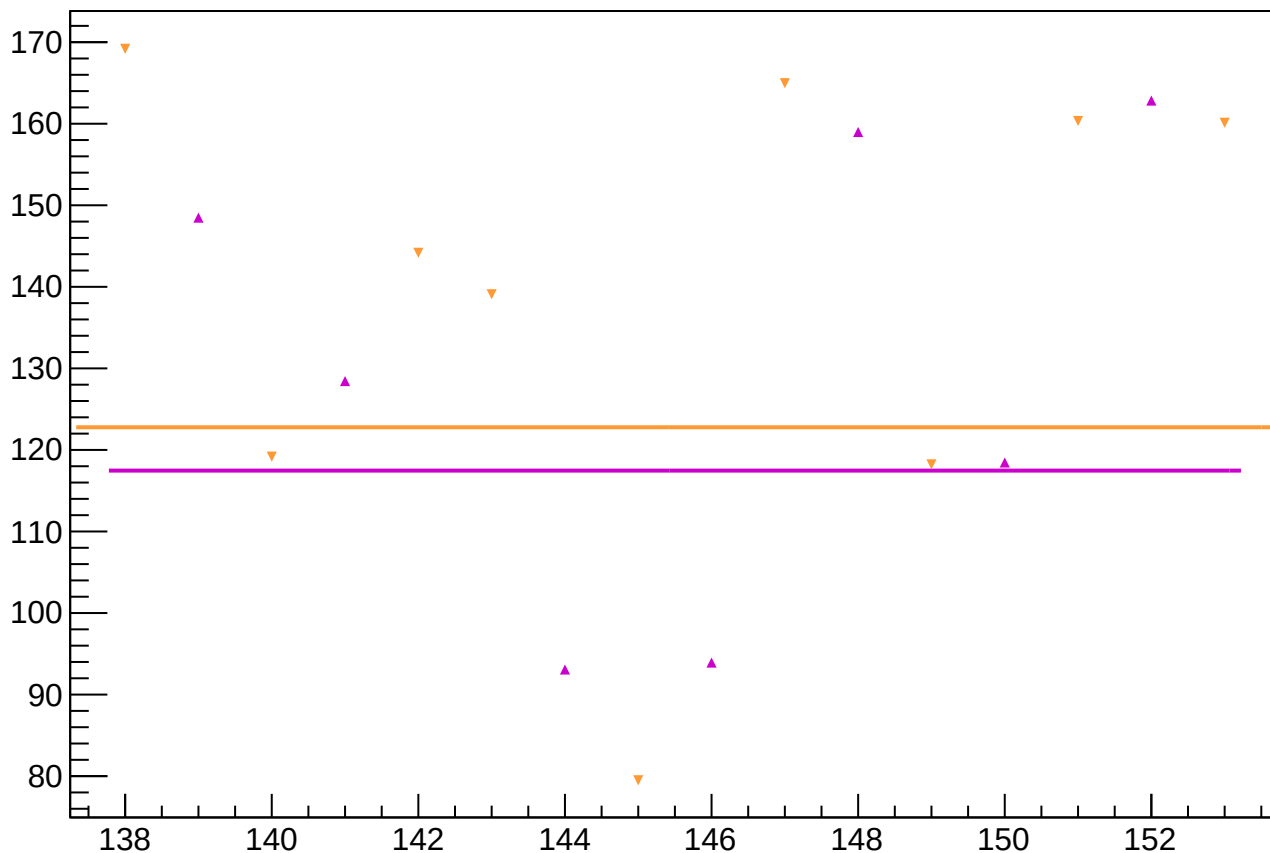
Left In: 104.797+/-50.818 χ^2/NDF : 7.4/6

-142.335+/-49.849 χ^2/NDF : 7.5/8

-21.147+/-35.586 χ^2/NDF : 26.9/15

104.797+/-50.818 χ^2/NDF : 7.4/6

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: 122.779+/-0.035 χ^2/NDF : 871590.4/8

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

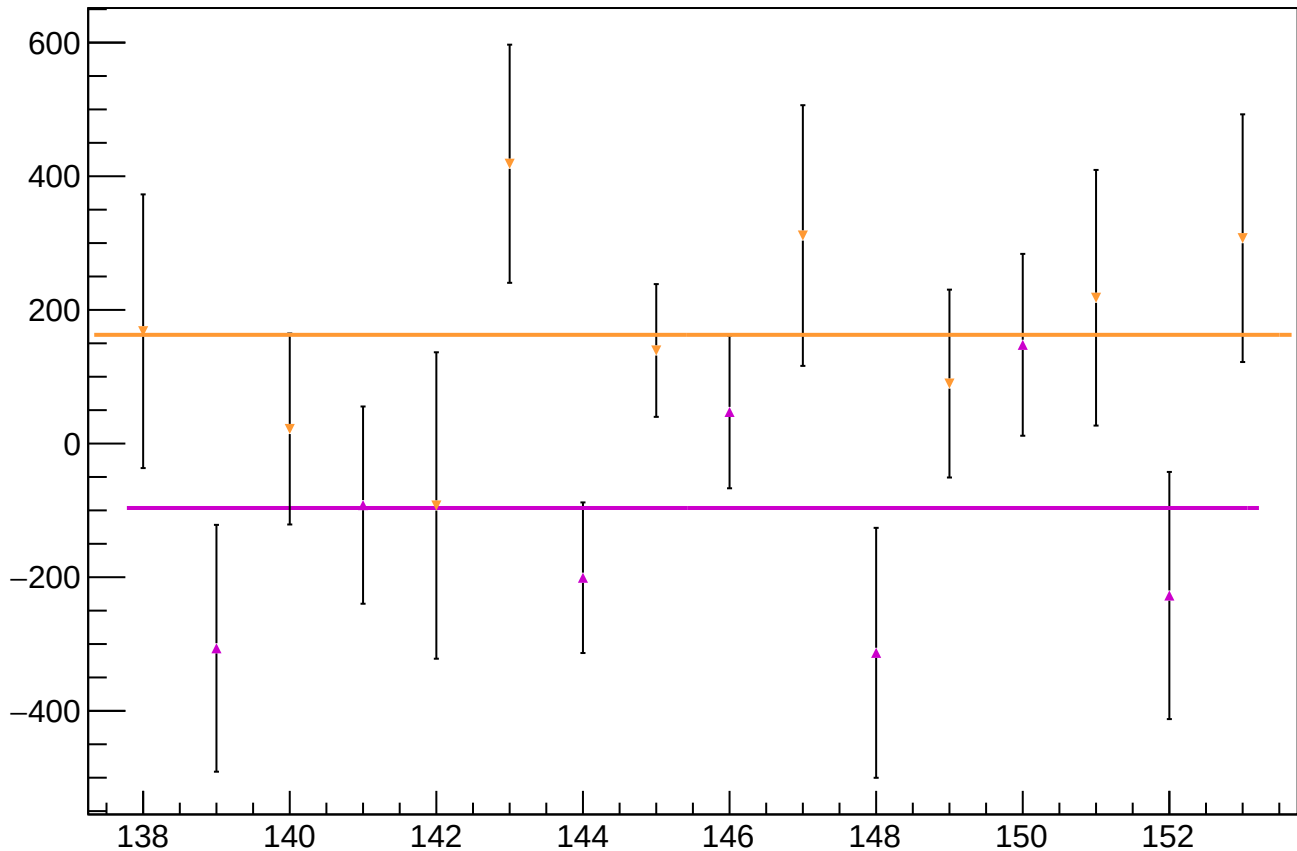
Left In: 117.466+/-0.036 χ^2/NDF : 517605.4/6

122.779+/-0.035 χ^2/NDF : 871590.4/8

120.174+/-0.025 χ^2/NDF : 1400340.0/15

117.466+/-0.036 χ^2/NDF : 517605.4/6

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 162.704+/-52.848 χ^2/NDF : 5.9/8

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

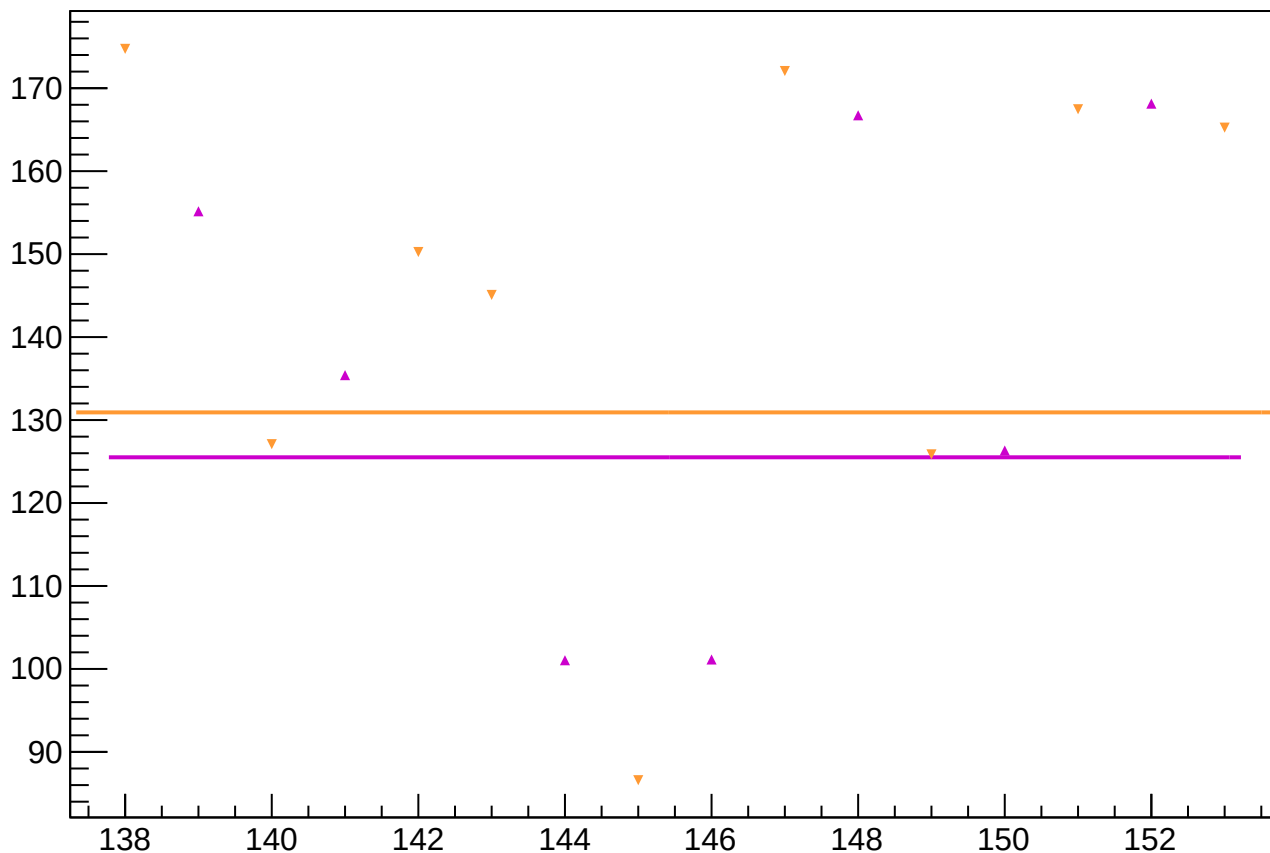
Left In: -96.417+/-54.038 χ^2/NDF : 8.8/6

162.704+/-52.848 χ^2/NDF : 5.9/8

36.028+/-37.783 χ^2/NDF : 26.4/15

-96.417+/-54.038 χ^2/NDF : 8.8/6

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 130.924+/-0.037 χ^2/NDF : 751467.2/8

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

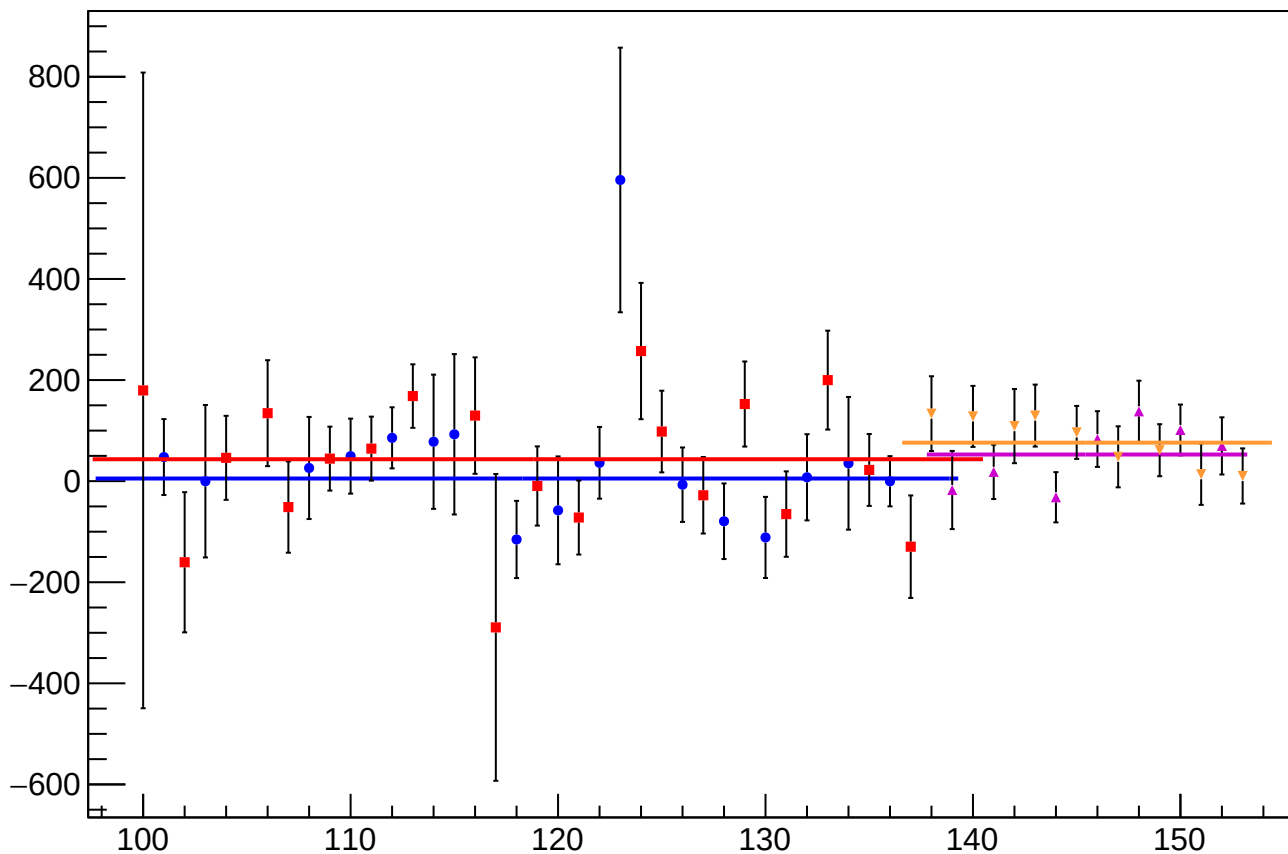
Left In: 125.511+/-0.038 χ^2/NDF : 449342.2/6

130.924+/-0.037 χ^2/NDF : 751467.2/8

128.277+/-0.027 χ^2/NDF : 1211067.6/15

125.511+/-0.038 χ^2/NDF : 449342.2/6

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 76.169 $\pm$ 19.871 χ^2 /NDF: 5.3/8

Right Out: 43.354 $\pm$ 19.371 χ^2 /NDF: 25.6/19

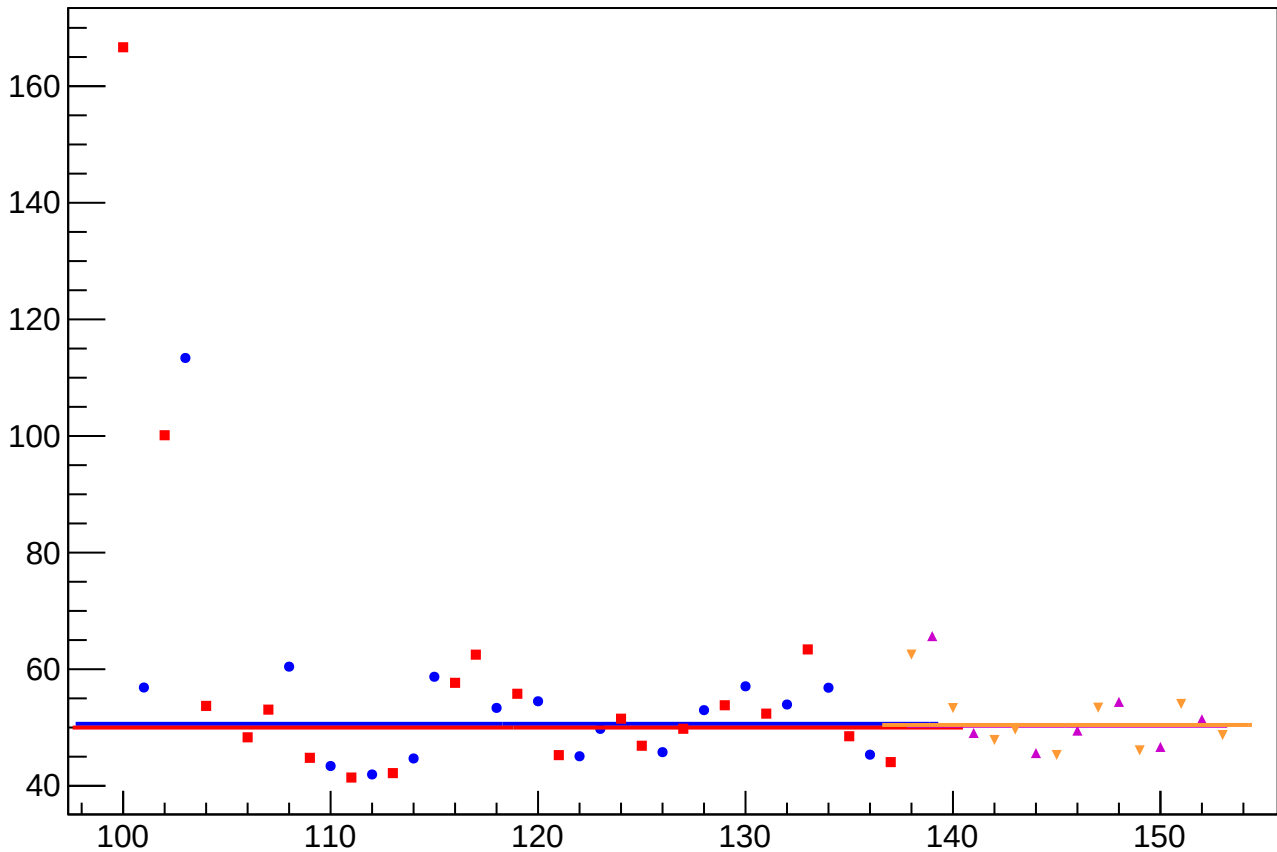
Left In: 52.693 $\pm$ 21.180 χ^2 /NDF: 7.5/6

41.189 $\pm$ 14.149 χ^2 /NDF: 26.3/25

44.366 $\pm$ 10.056 χ^2 /NDF: 59.5/52

47.607 $\pm$ 14.294 χ^2 /NDF: 33.1/26

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635+/-0.014 χ^2/NDF : 519687.1/16

Left Out: 50.442+/-0.014 χ^2/NDF : 108216.8/8

Right Out: 49.994+/-0.014 χ^2/NDF : 503898.1/19

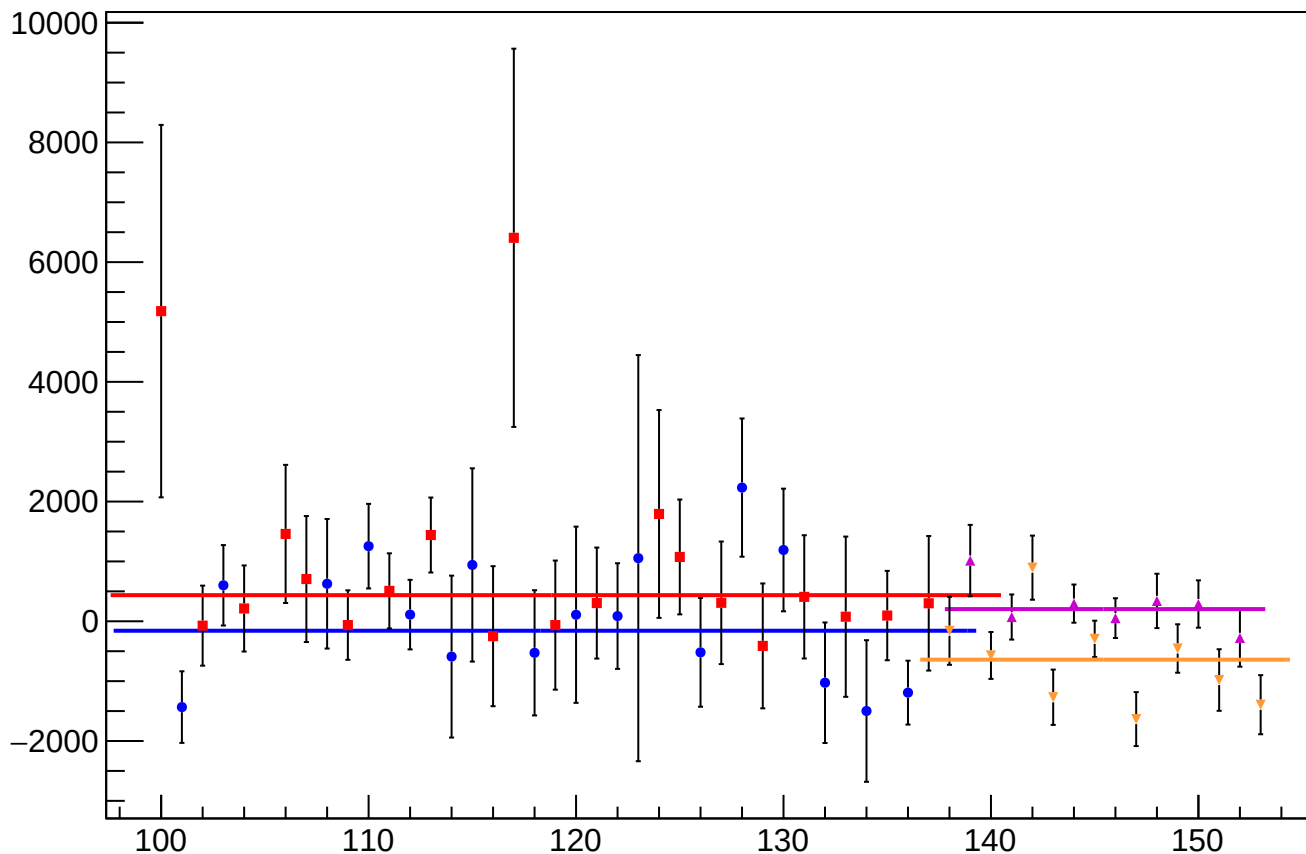
Left In: 50.301+/-0.015 χ^2/NDF : 118726.7/6

50.537+/-0.010 χ^2/NDF : 627996.8/25

50.337+/-0.007 χ^2/NDF : 1251654.3/52

50.134+/-0.010 χ^2/NDF : 622853.3/26

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -640.984 $\pm$ 145.057 χ^2 /NDF:20.0/8

Right Out: 436.410 $\pm$ 203.212 χ^2 /NDF: 13.4/19

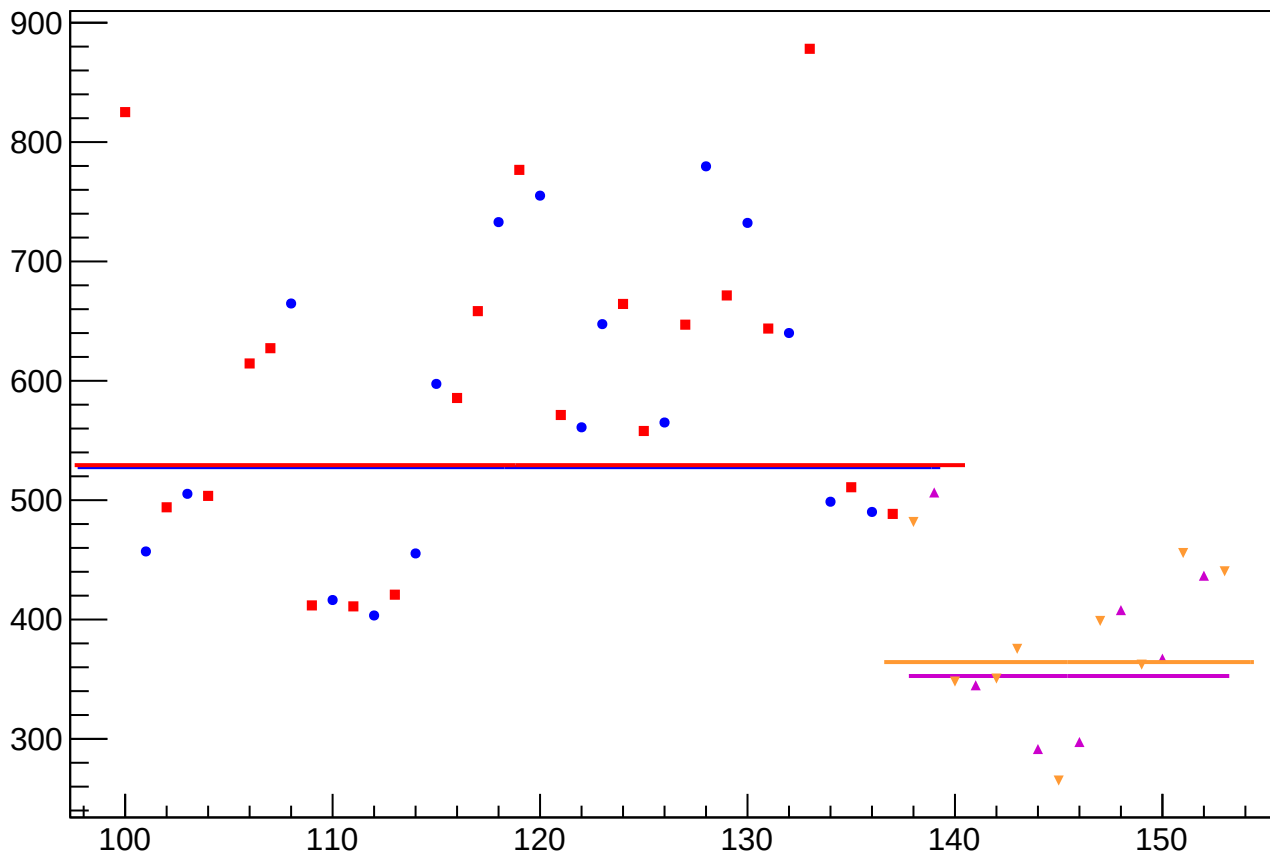
Left In: 203.588 $\pm$ 150.204 χ^2 /NDF:3.4/6

-485.156 $\pm$ 119.385 χ^2 /NDF: 47.0/25

-104.161 $\pm$ 84.910 χ^2 /NDF: 85.2/52

285.847 $\pm$ 120.789 χ^2 /NDF: 17.6/26

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: 364.358 $\pm$ 0.103 χ^2 /NDF: 426868.3/8

Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

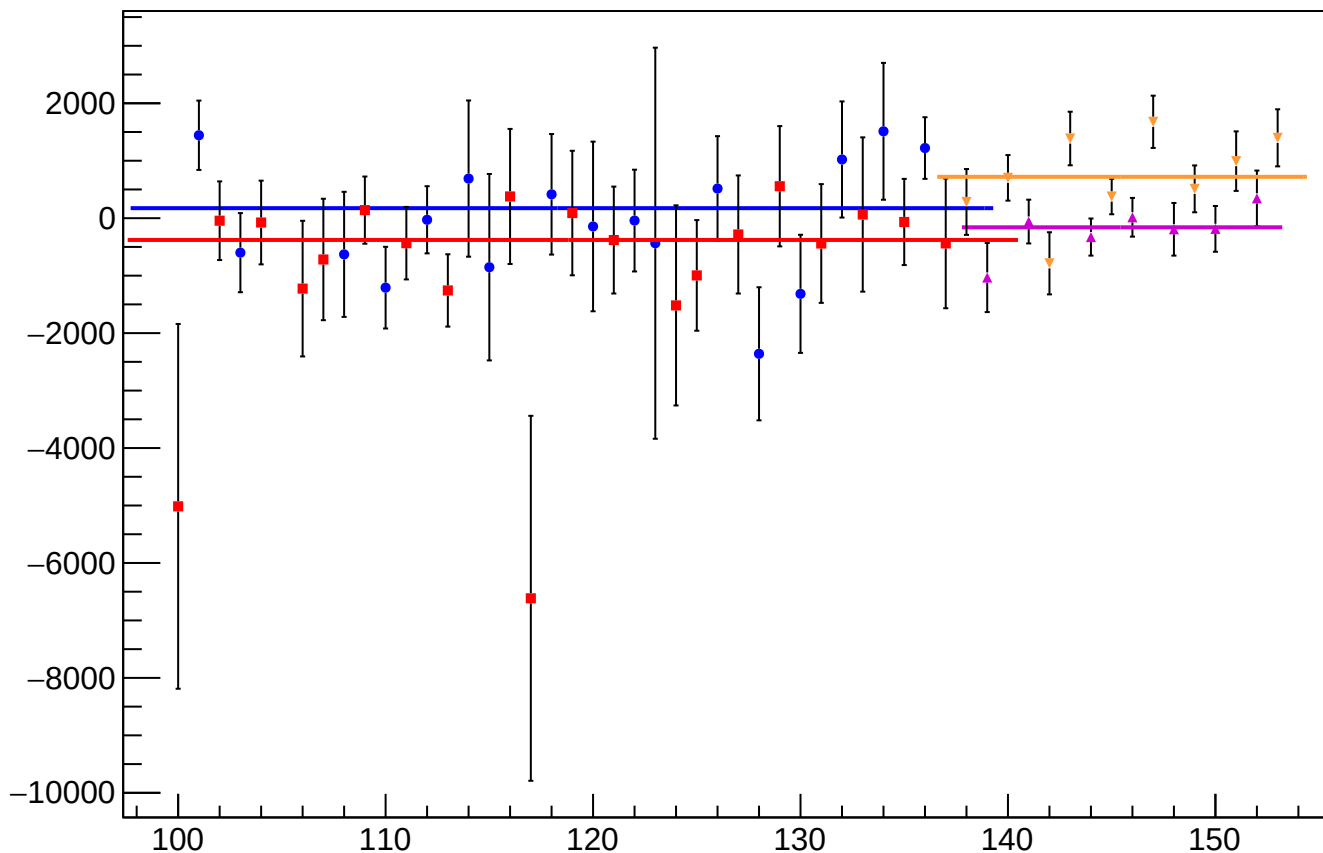
Left In: 352.692 $\pm$ 0.106 χ^2 /NDF: 356204.8/6

417.047 $\pm$ 0.084 χ^2 /NDF: 1802120.8/25

416.087 $\pm$ 0.060 χ^2 /NDF: 3762669.0/52

415.104 $\pm$ 0.085 χ^2 /NDF: 1960286.7/26

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 720.086 $\pm$ 146.559 χ^2 /NDF:18.5/8

Right Out: -378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

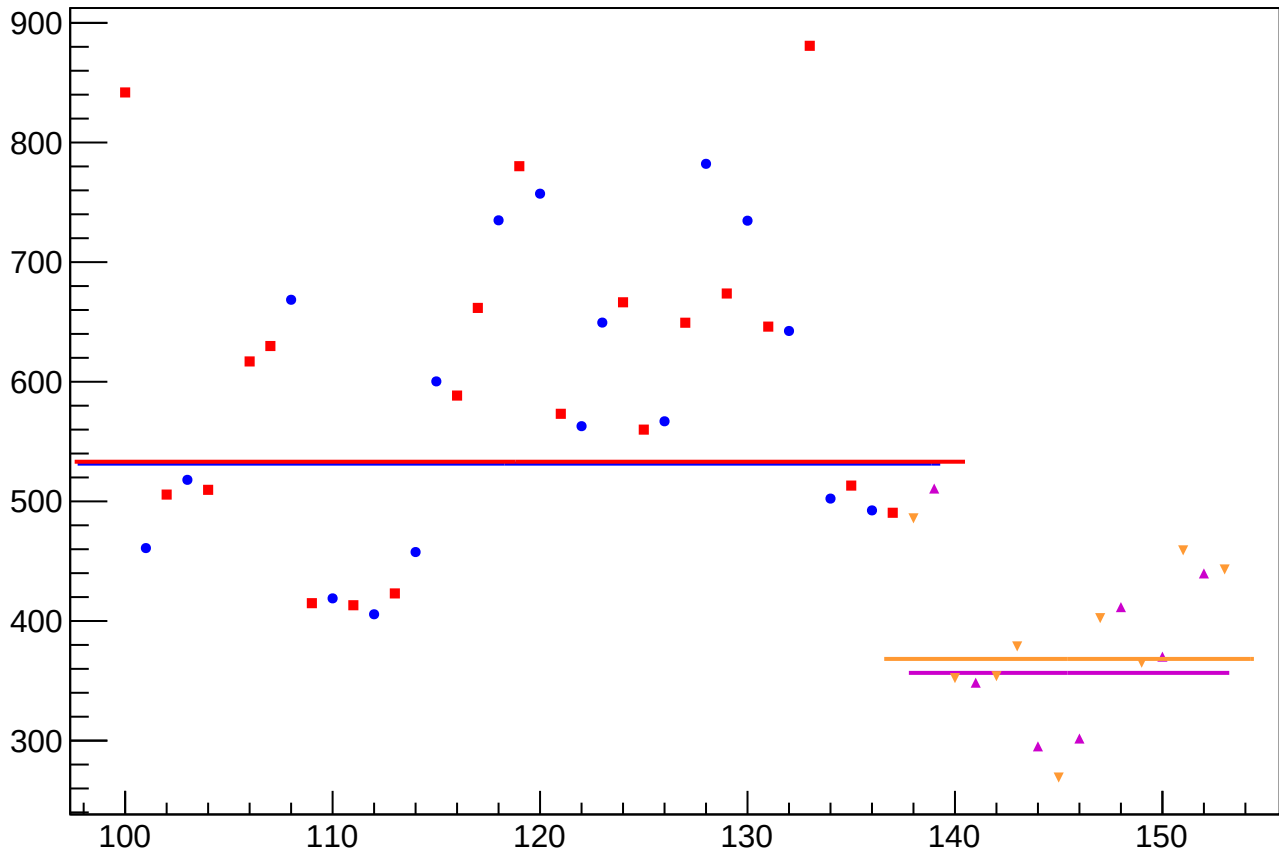
Left In: -158.613 $\pm$ 151.813 χ^2 /NDF:3.8/6

543.312 $\pm$ 120.493 χ^2 /NDF: 46.6/25

158.036 $\pm$ 85.714 χ^2 /NDF: 84.2/52

-236.641 $\pm$ 121.955 χ^2 /NDF: 16.9/26

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 +/- 0.150 χ^2/NDF : 550087.6/16

Left Out: 368.305 +/- 0.104 χ^2/NDF : 414400.1/8

Right Out: 533.157 +/- 0.145 χ^2/NDF : 619038.4/19

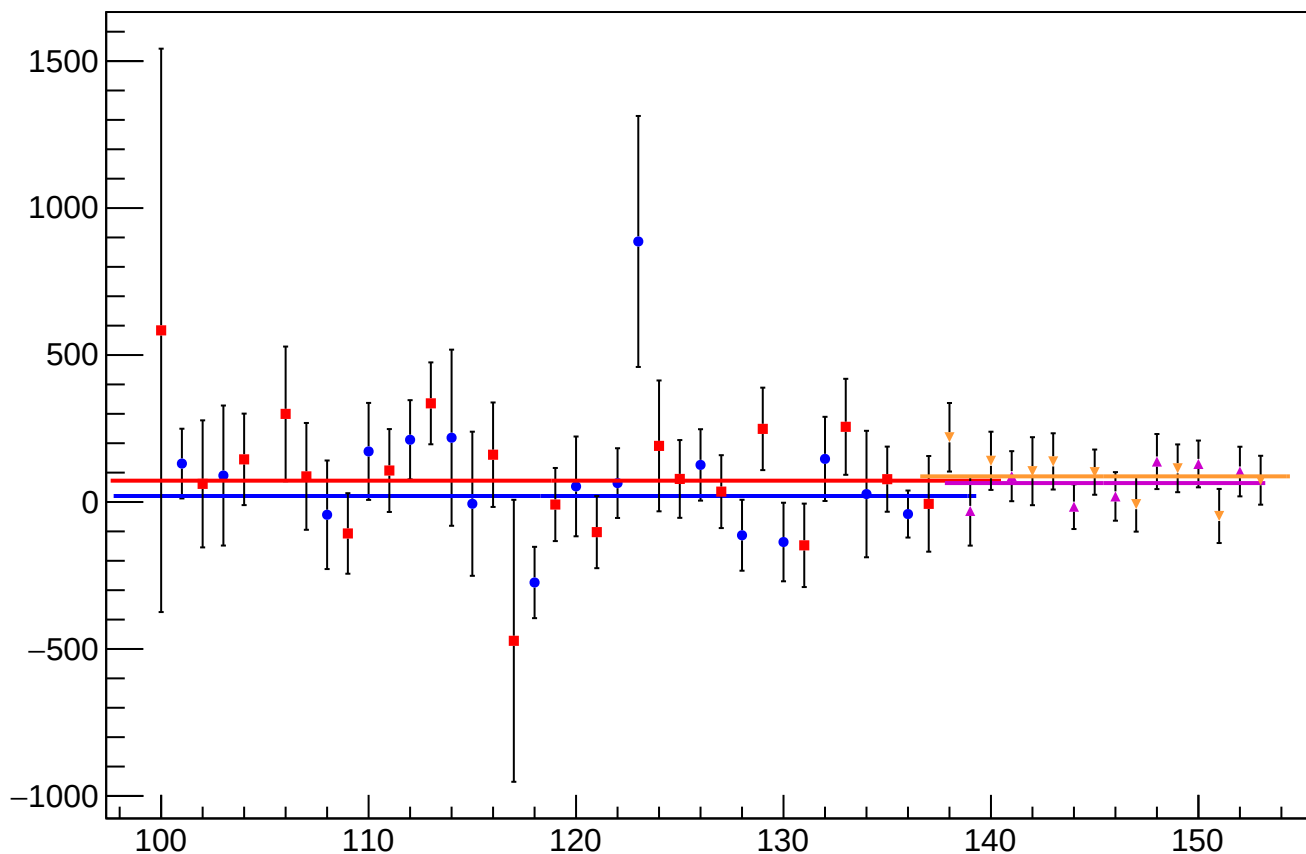
Left In: 356.632 +/- 0.107 χ^2/NDF : 347756.8/6

421.209 +/- 0.085 χ^2/NDF : 1768653.8/25

420.237 +/- 0.061 χ^2/NDF : 3694804.9/52

419.242 +/- 0.086 χ^2/NDF : 1925887.6/26

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 87.258+/-30.761 χ^2/NDF : 5.2/8

Right Out: 72.603+/-34.608 χ^2/NDF : 16.7/19

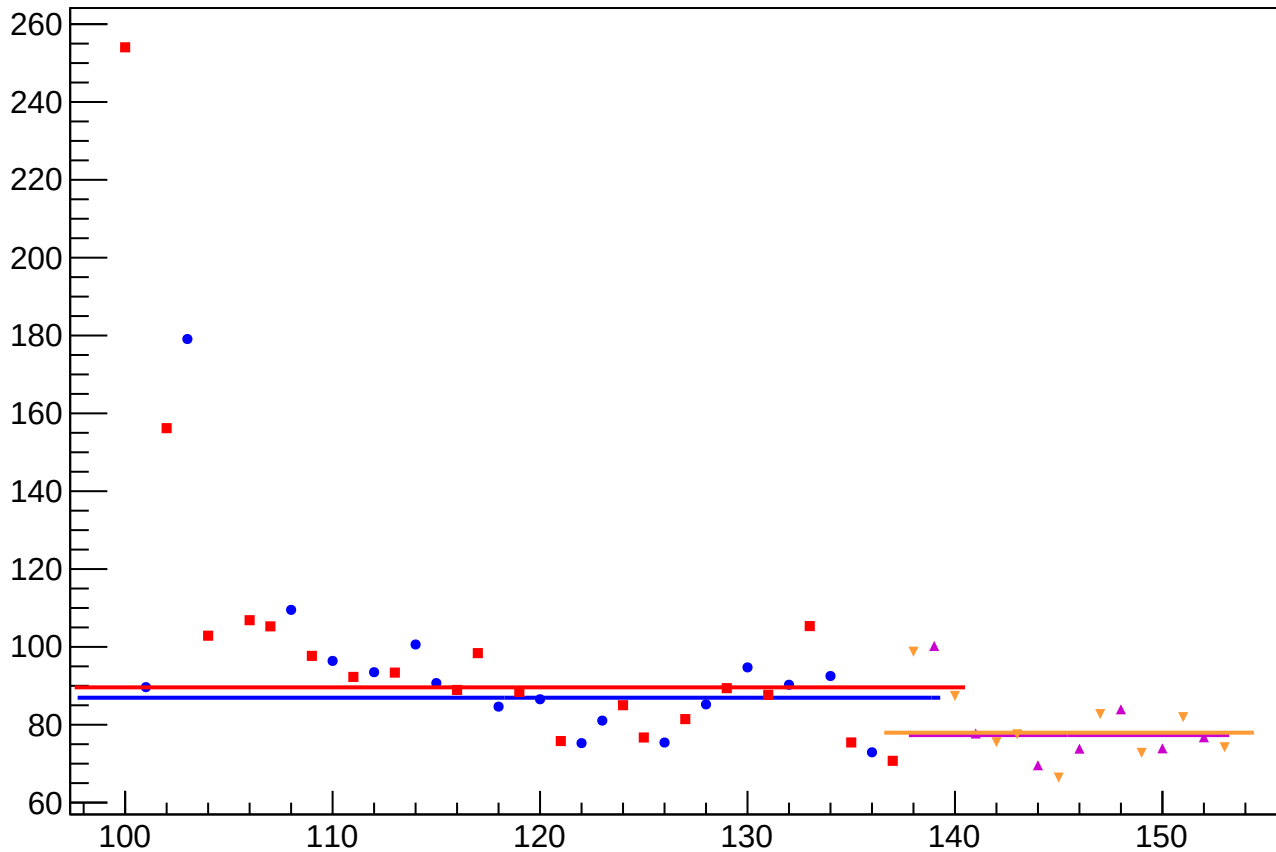
Left In: 64.429+/-32.591 χ^2/NDF : 3.6/6

57.744+/-22.984 χ^2/NDF : 26.6/25

62.840+/-16.508 χ^2/NDF : 47.0/52

68.271+/-23.726 χ^2/NDF : 20.4/26

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 77.959 $\pm$ 0.022 χ^2 /NDF:148921.1/8

Right Out: 89.607 $\pm$ 0.024 χ^2 /NDF: 431905.8/19

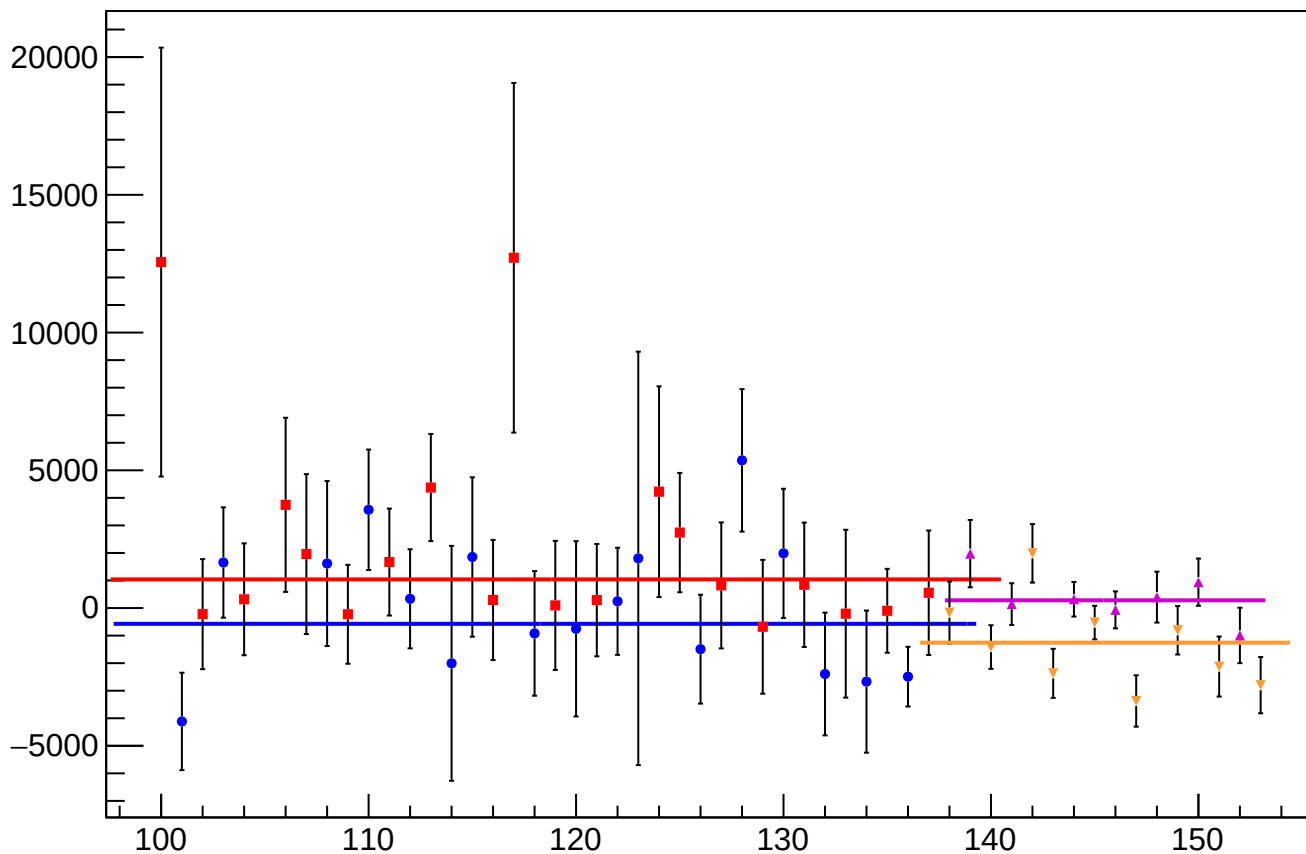
Left In: 77.336 $\pm$ 0.023 χ^2 /NDF:113495.7/6

81.927 $\pm$ 0.016 χ^2 /NDF: 680071.4/25

82.497 $\pm$ 0.012 χ^2 /NDF: 1361263.8/52

83.104 $\pm$ 0.017 χ^2 /NDF: 678656.6/26

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1258.112 ± 295.237 χ^2/NDF : 21.6/8

Right Out: 1040.618 ± 512.937 χ^2/NDF : 13.5/19

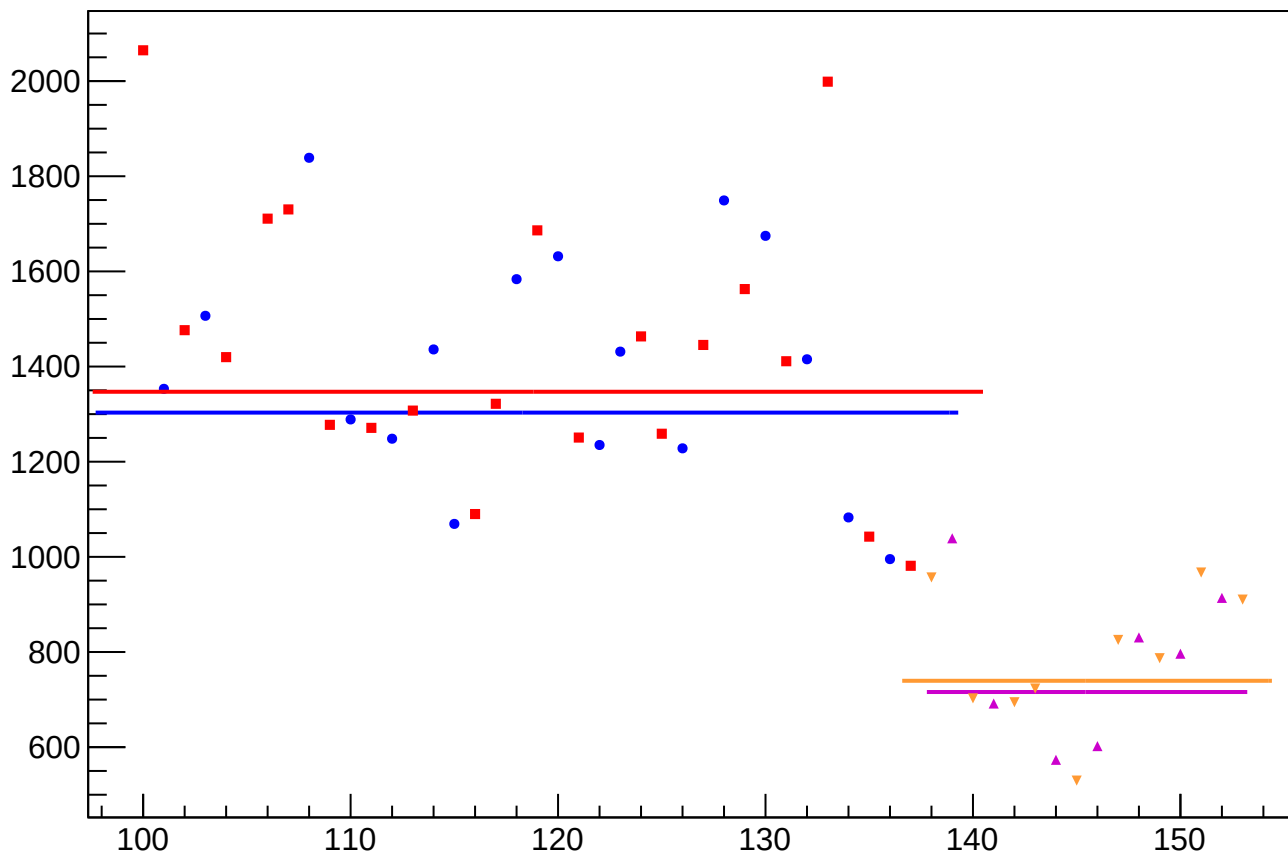
Left In: 281.073 ± 305.843 χ^2/NDF : 4.4/6

-1089.482 ± 256.381 χ^2/NDF : 44.8/25

-323.678 ± 183.479 χ^2/NDF : 82.7/52

480.285 ± 262.691 χ^2/NDF : 19.5/26

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 739.513 $\pm$ 0.209 χ^2 /NDF: 486285.5/8

Right Out: 1347.011 $\pm$ 0.363 χ^2 /NDF: 420806.0/19

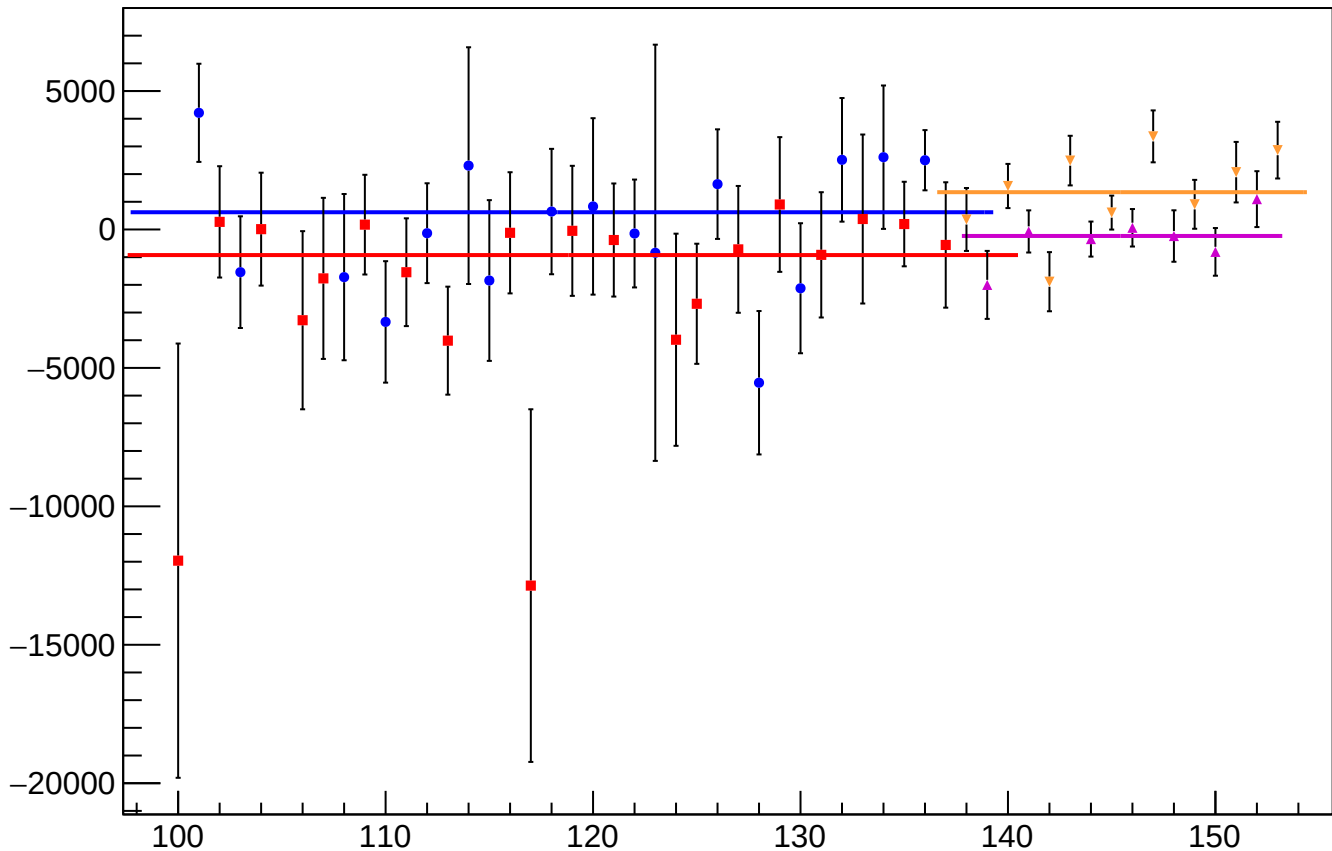
Left In: 715.917 $\pm$ 0.216 χ^2 /NDF: 428005.1/6

878.123 $\pm$ 0.181 χ^2 /NDF: 2731009.7/25

879.741 $\pm$ 0.130 χ^2 /NDF: 5813466.5/52

881.439 $\pm$ 0.186 χ^2 /NDF: 3082293.7/26

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 ± 518.496 χ^2/NDF : 22.0/16

Left Out: 1346.938 ± 297.035 χ^2/NDF : 20.6/8

Right Out: -924.488 ± 514.636 χ^2/NDF : 12.6/19

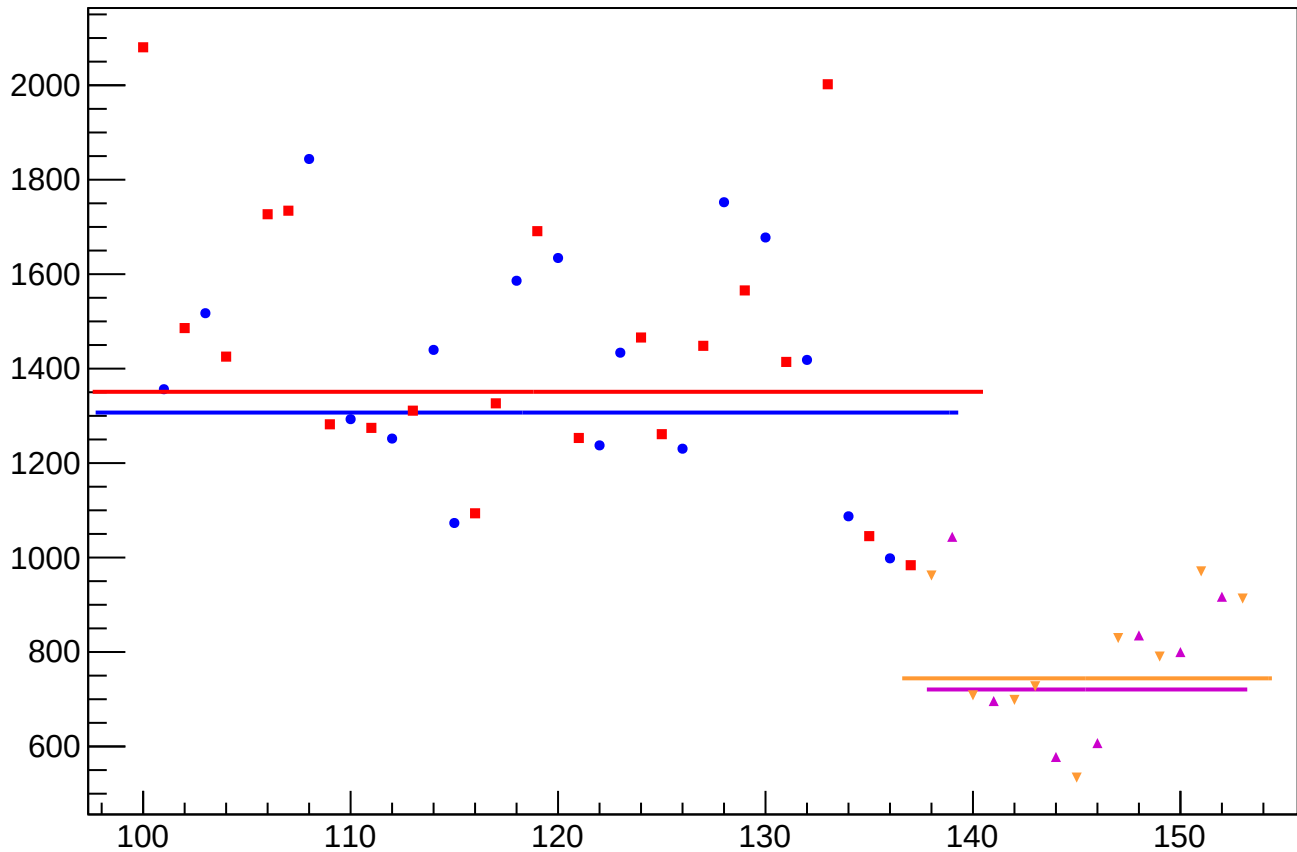
Left In: -234.216 ± 307.769 χ^2/NDF : 4.5/6

1167.910 ± 257.738 χ^2/NDF : 44.0/25

395.352 ± 184.470 χ^2/NDF : 80.9/52

-416.053 ± 264.138 χ^2/NDF : 18.5/26

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 $\pm$ 0.367 χ^2/NDF : 451191.7/16

Left Out: 744.239 $\pm$ 0.210 χ^2/NDF : 478797.0/8

Right Out: 1350.936 $\pm$ 0.364 χ^2/NDF : 421834.2/19

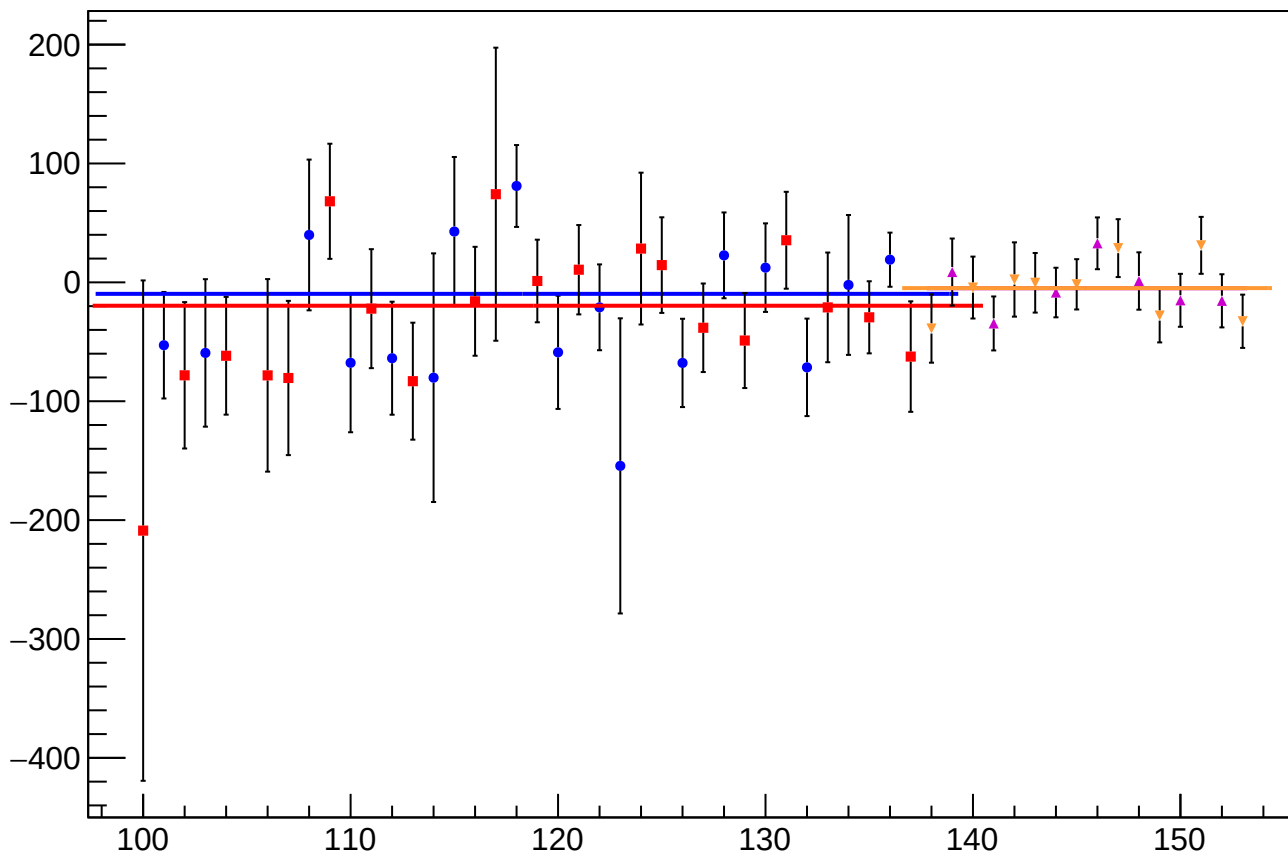
Left In: 720.644 $\pm$ 0.218 χ^2/NDF : 421848.9/6

883.291 $\pm$ 0.182 χ^2/NDF : 2703754.2/25

884.944 $\pm$ 0.130 χ^2/NDF : 5757279.4/52

886.681 $\pm$ 0.187 χ^2/NDF : 3053356.5/26

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 $\pm$ 10.408 χ^2 /NDF: 22.6/16

Left Out: -4.838 $\pm$ 8.190 χ^2 /NDF: 8.3/8

Right Out: -19.662 $\pm$ 10.406 χ^2 /NDF: 15.2/19

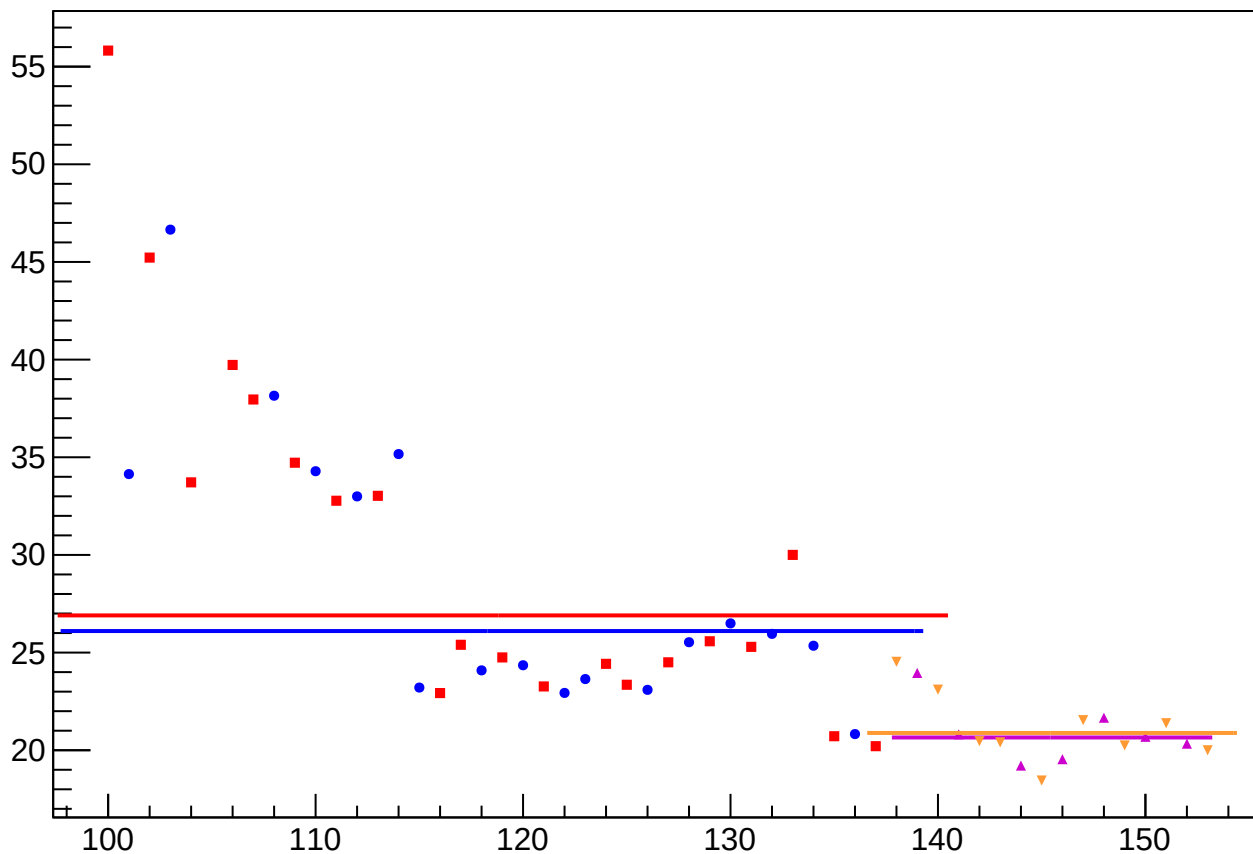
Left In: -4.968 $\pm$ 8.658 χ^2 /NDF: 5.5/6

-6.685 $\pm$ 6.436 χ^2 /NDF: 31.0/25

-8.760 $\pm$ 4.627 χ^2 /NDF: 53.1/52

-10.978 $\pm$ 6.656 χ^2 /NDF: 21.9/26

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.885 $\pm$ 0.006 χ^2 /NDF: 81199.1/8

Right Out: 26.903 $\pm$ 0.007 χ^2 /NDF: 679269.9/19

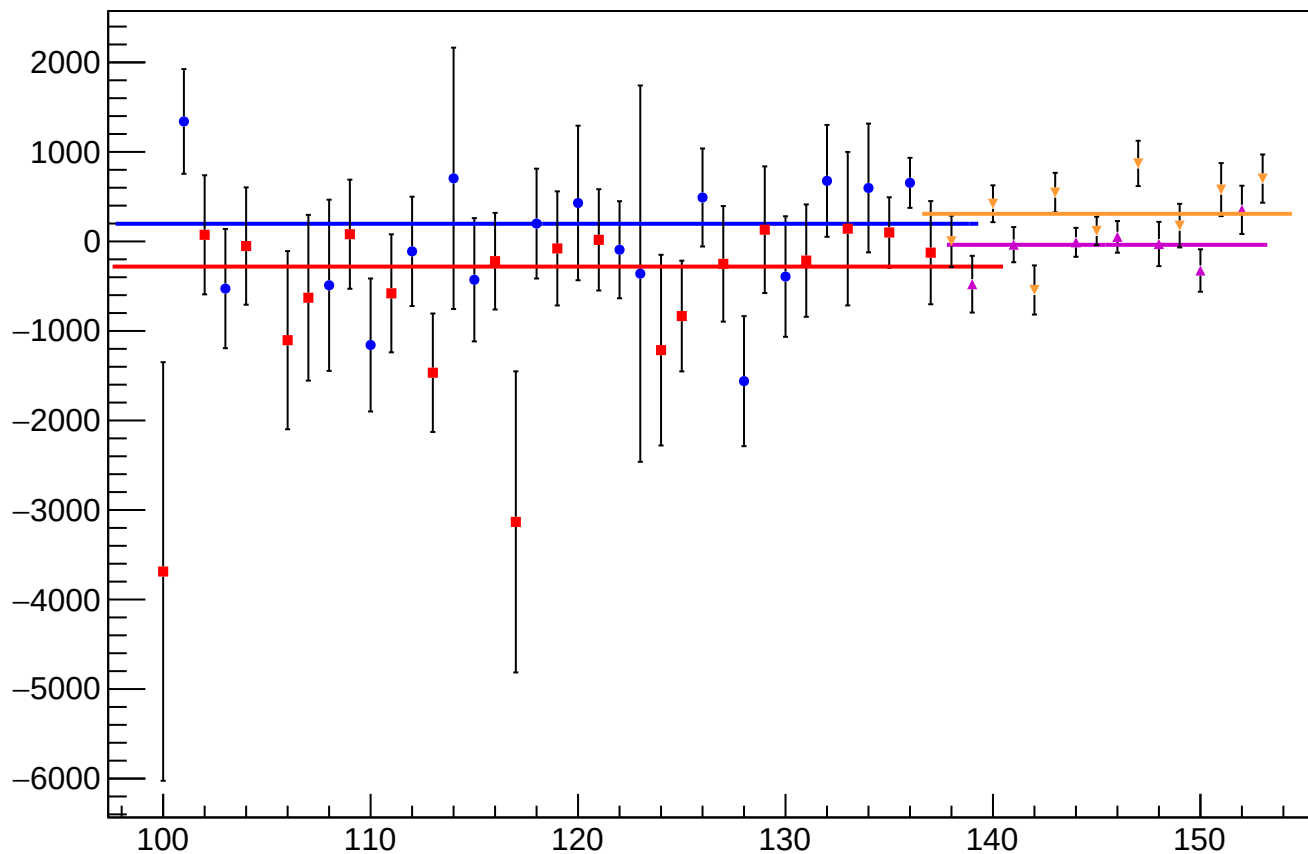
Left In: 20.653 $\pm$ 0.006 χ^2 /NDF: 46231.2/6

22.880 $\pm$ 0.005 χ^2 /NDF: 995651.6/25

23.040 $\pm$ 0.003 χ^2 /NDF: 2149942.3/52

23.210 $\pm$ 0.005 χ^2 /NDF: 1151756.1/26

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 308.444 $\pm$ 77.419 χ^2 /NDF:21.9/8

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

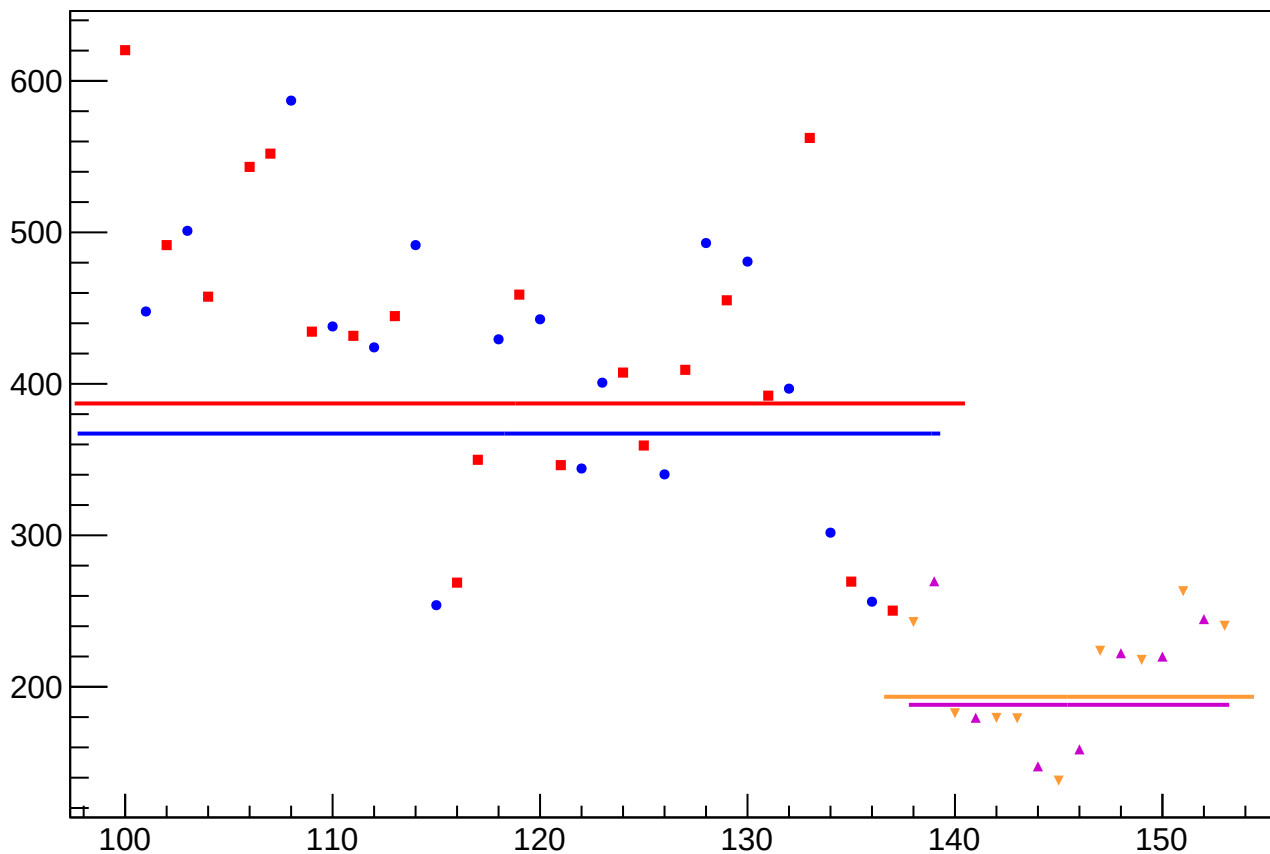
Left In: -37.869 $\pm$ 80.561 χ^2 /NDF:5.8/6

284.542 $\pm$ 68.588 χ^2 /NDF: 43.3/25

102.133 $\pm$ 49.295 χ^2 /NDF: 79.3/52

-92.751 $\pm$ 70.895 χ^2 /NDF: 21.4/26

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: 193.413 $\pm$ 0.055 χ^2 /NDF: 541008.9/8

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

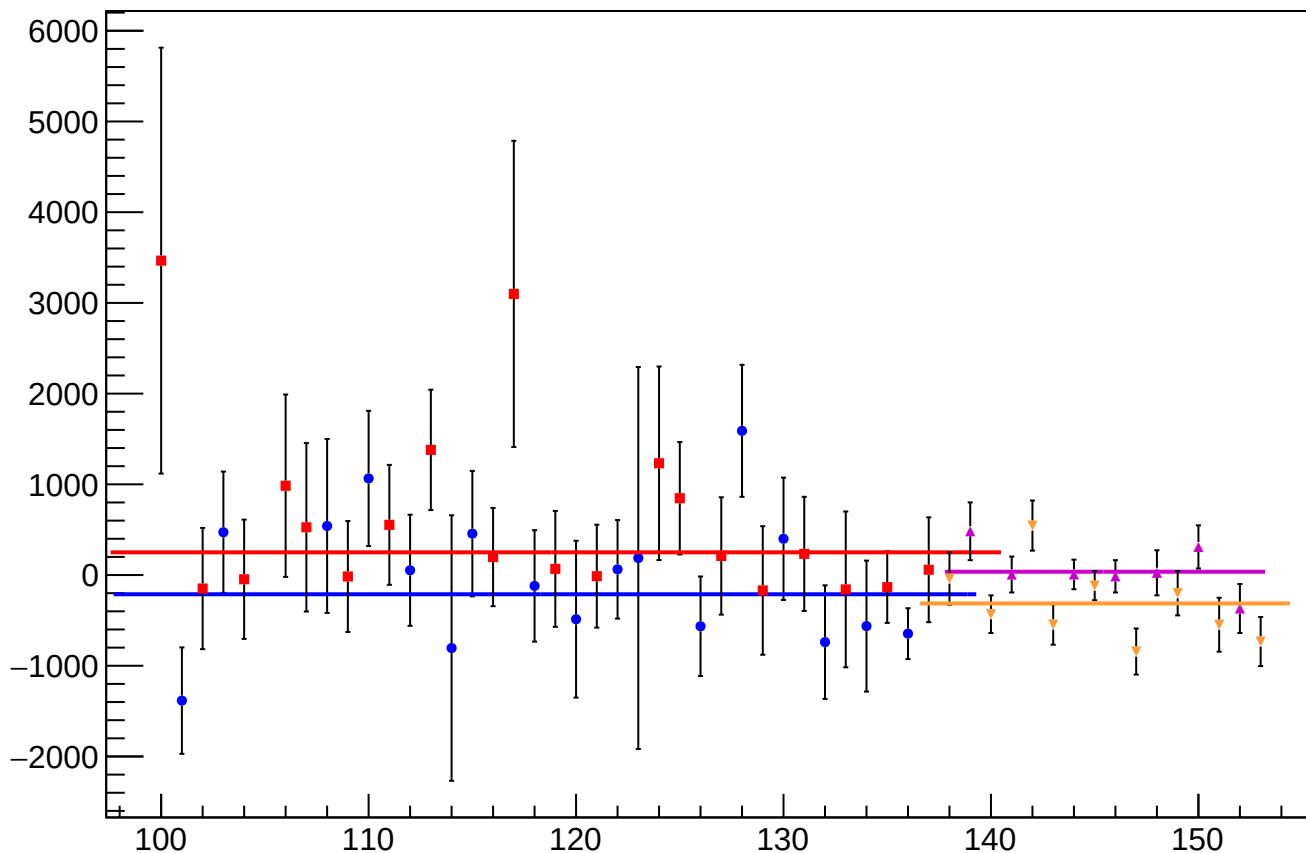
Left In: 188.117 $\pm$ 0.057 χ^2 /NDF: 480244.6/6

230.792 $\pm$ 0.048 χ^2 /NDF: 3535540.2/25

231.854 $\pm$ 0.035 χ^2 /NDF: 7543057.1/52

232.988 $\pm$ 0.050 χ^2 /NDF: 4006526.1/26

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -313.040+/-77.916 χ^2/NDF : 21.1/8

Right Out: 250.443+/-149.724 χ^2/NDF : 12.9/19

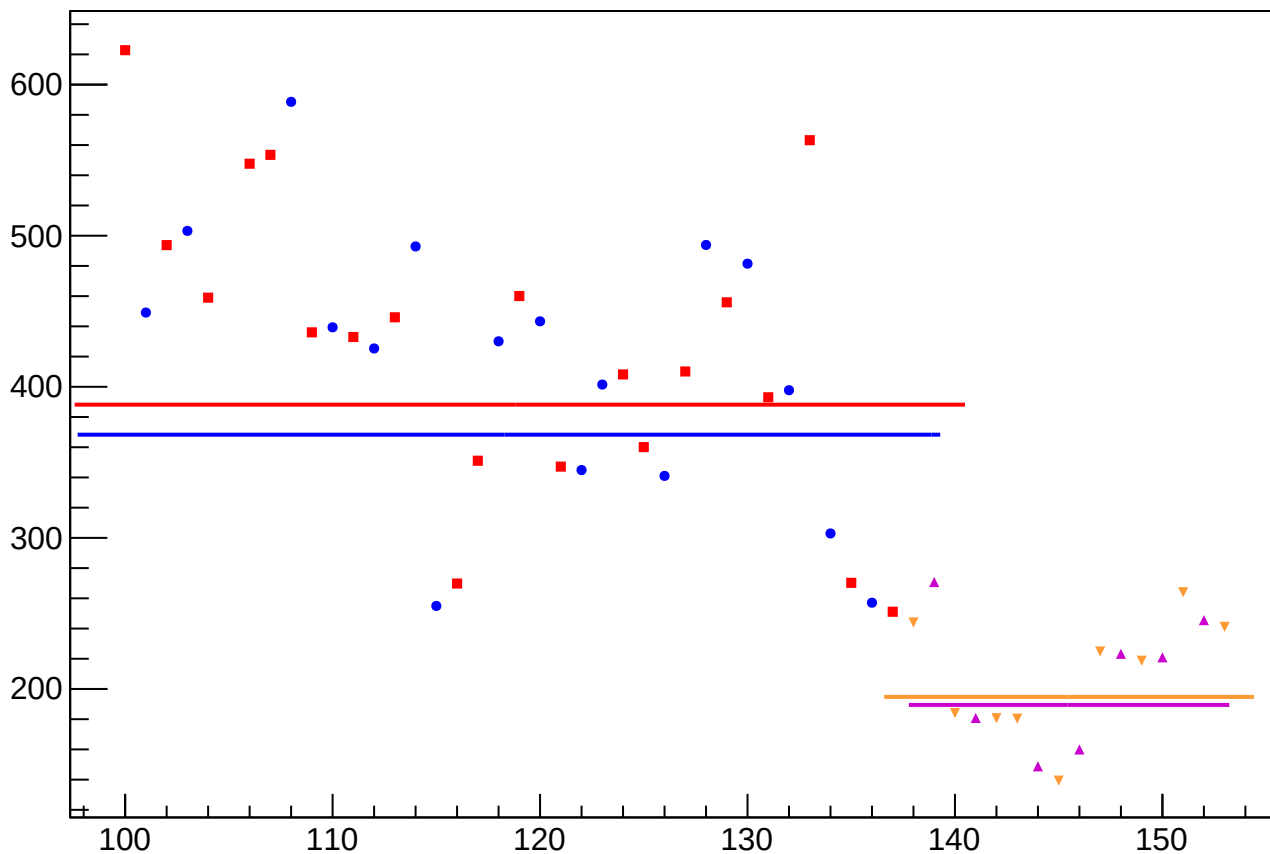
Left In: 36.521+/-81.090 χ^2/NDF : 5.7/6

-291.156+/-68.977 χ^2/NDF : 42.5/25

-109.296+/-49.576 χ^2/NDF : 77.0/52

85.038+/-71.304 χ^2/NDF : 20.2/26

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 +/- 0.105 χ^2/NDF : 824619.2/16

Left Out: 194.745 +/- 0.055 χ^2/NDF : 530906.7/8

Right Out: 388.178 +/- 0.106 χ^2/NDF : 775692.7/19

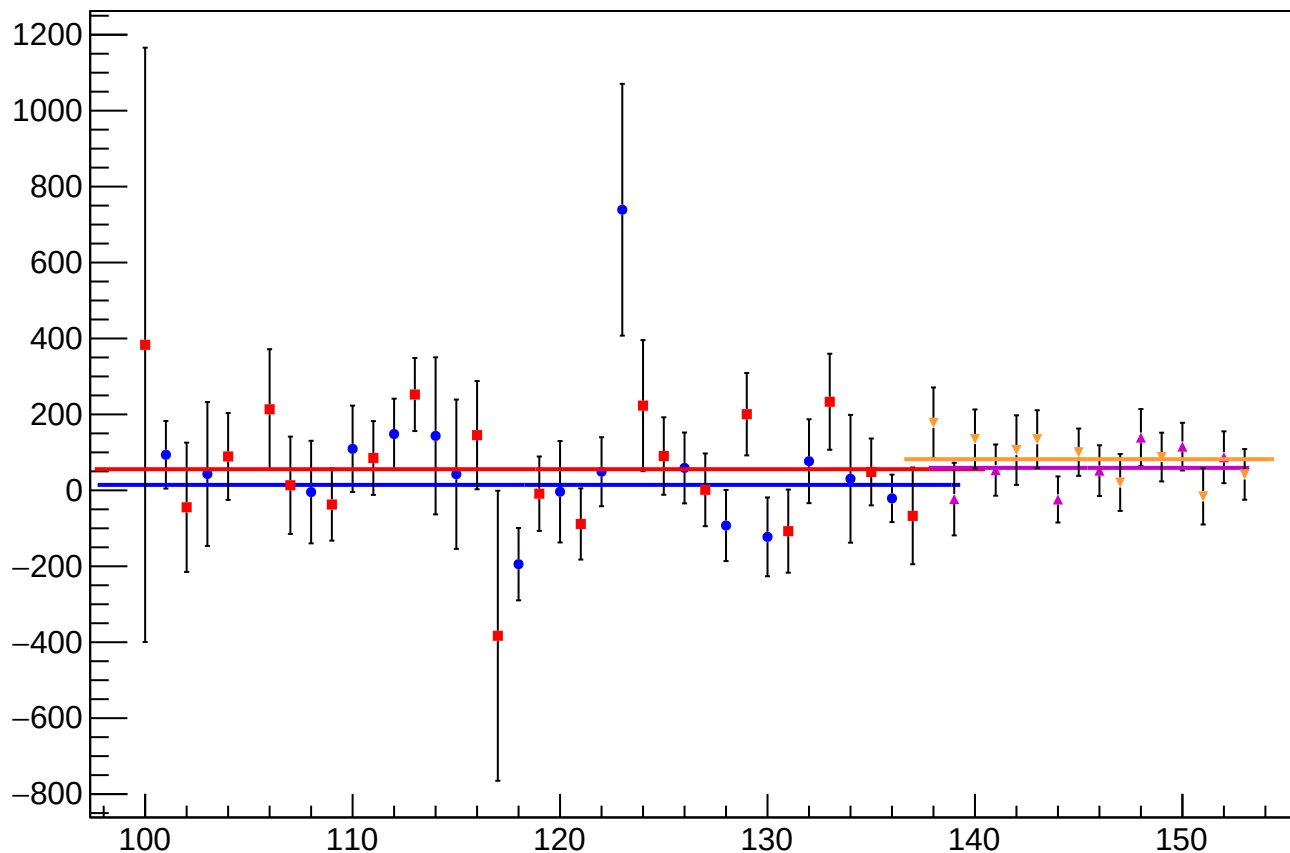
Left In: 189.438 +/- 0.057 χ^2/NDF : 471707.4/6

232.283 +/- 0.049 χ^2/NDF : 3501834.5/25

233.361 +/- 0.035 χ^2/NDF : 7474888.4/52

234.512 +/- 0.050 χ^2/NDF : 3972044.3/26

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 82.095 $\pm$ 24.566 χ^2 /NDF: 4.9/8

Right Out: 55.744 $\pm$ 26.060 χ^2 /NDF: 19.7/19

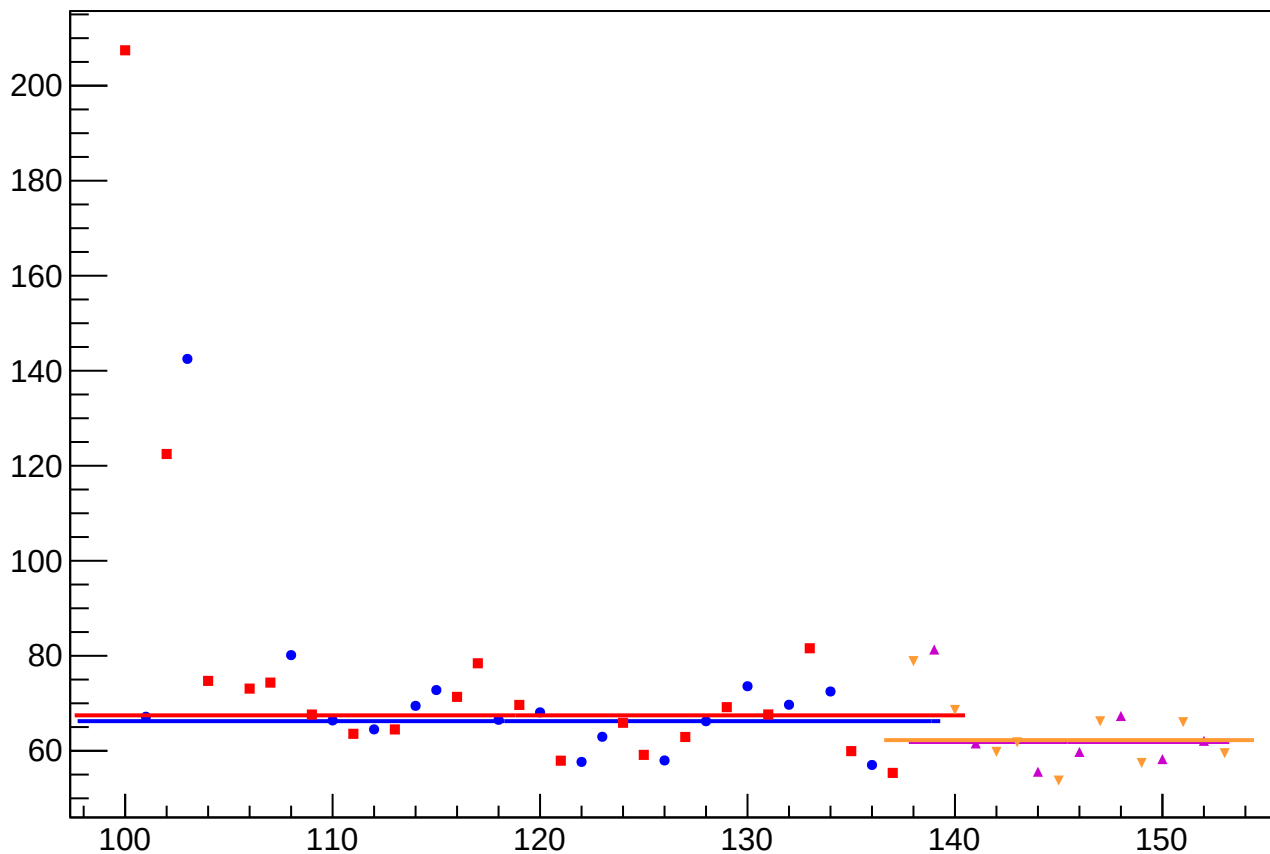
Left In: 59.172 $\pm$ 26.080 χ^2 /NDF: 4.7/6

50.589 $\pm$ 17.963 χ^2 /NDF: 26.1/25

53.934 $\pm$ 12.865 χ^2 /NDF: 50.7/52

57.456 $\pm$ 18.434 χ^2 /NDF: 24.5/26

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 62.250 ± 0.017 χ^2/NDF : 141217.0/8

Right Out: 67.466 ± 0.018 χ^2/NDF : 395262.8/19

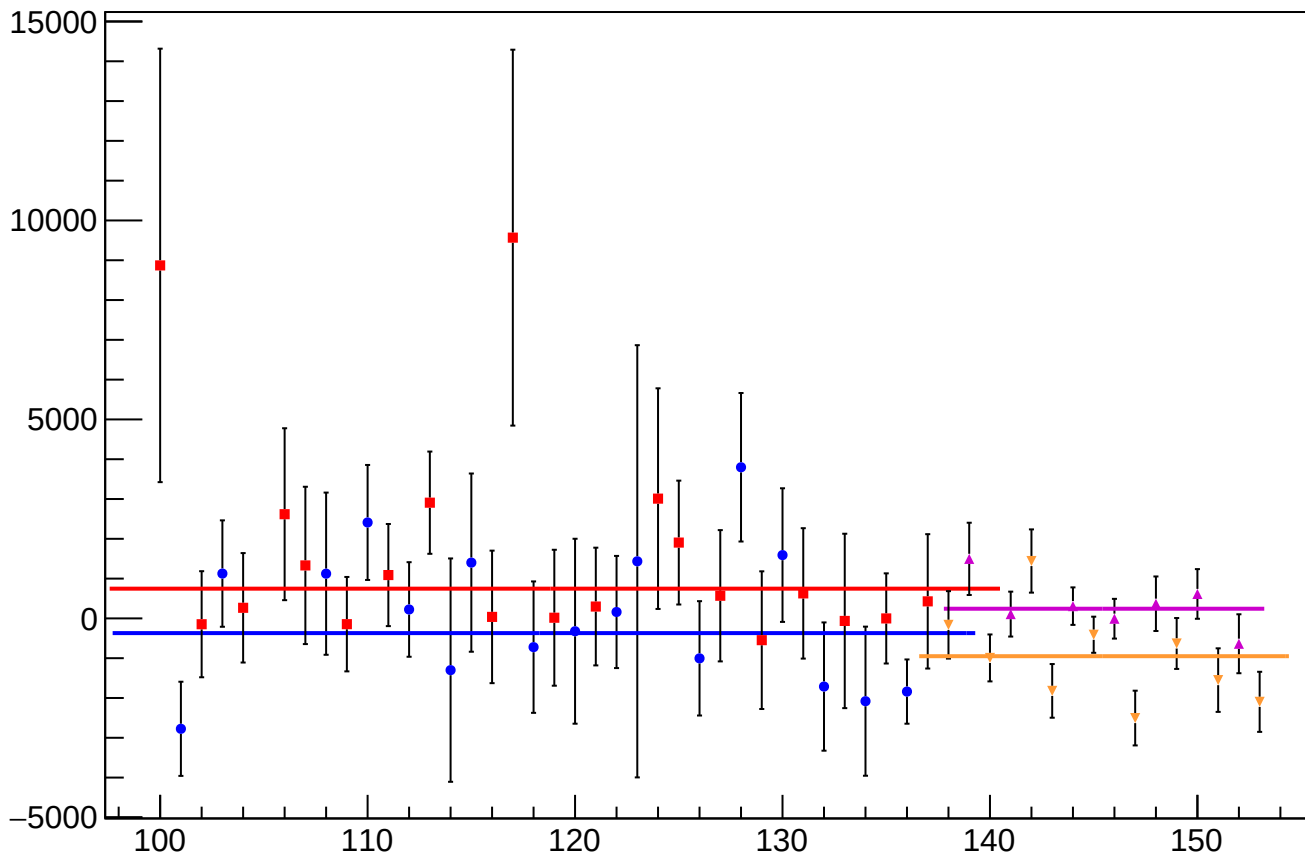
Left In: 61.864 ± 0.018 χ^2/NDF : 123146.4/6

64.110 ± 0.013 χ^2/NDF : 606797.6/25

64.381 ± 0.009 χ^2/NDF : 1172333.6/52

64.667 ± 0.013 χ^2/NDF : 564599.0/26

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -949.875+/-219.350 χ^2/NDF : 21.2/8

Right Out: 747.208+/-360.830 χ^2/NDF : 13.4/19

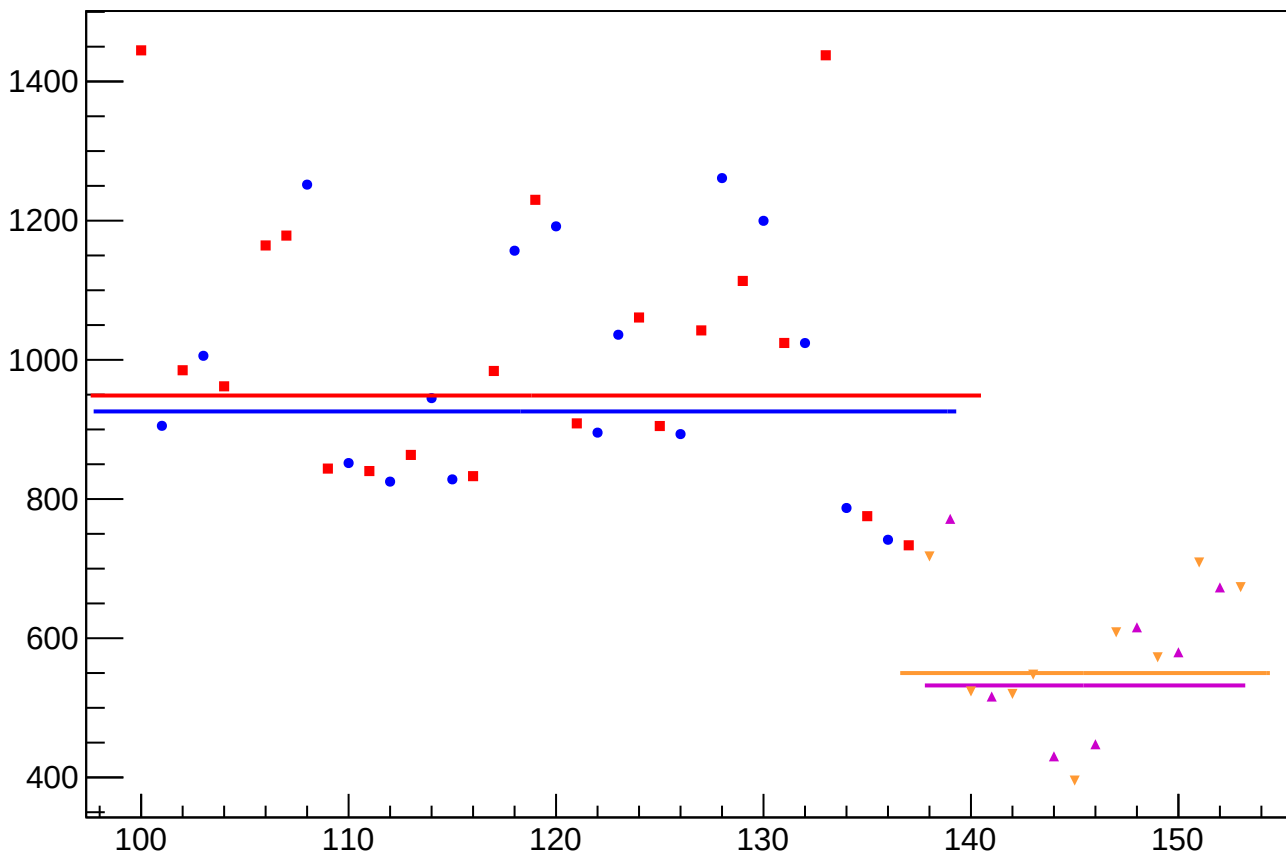
Left In: 242.991+/-227.107 χ^2/NDF : 4.0/6

-796.782+/-188.206 χ^2/NDF : 45.4/25

-217.794+/-134.474 χ^2/NDF : 83.6/52

386.060+/-192.205 χ^2/NDF : 18.9/26

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: 549.958 $\pm$ 0.155 χ^2 /NDF: 466349.5/8

Right Out: 948.760 $\pm$ 0.255 χ^2 /NDF: 382044.0/19

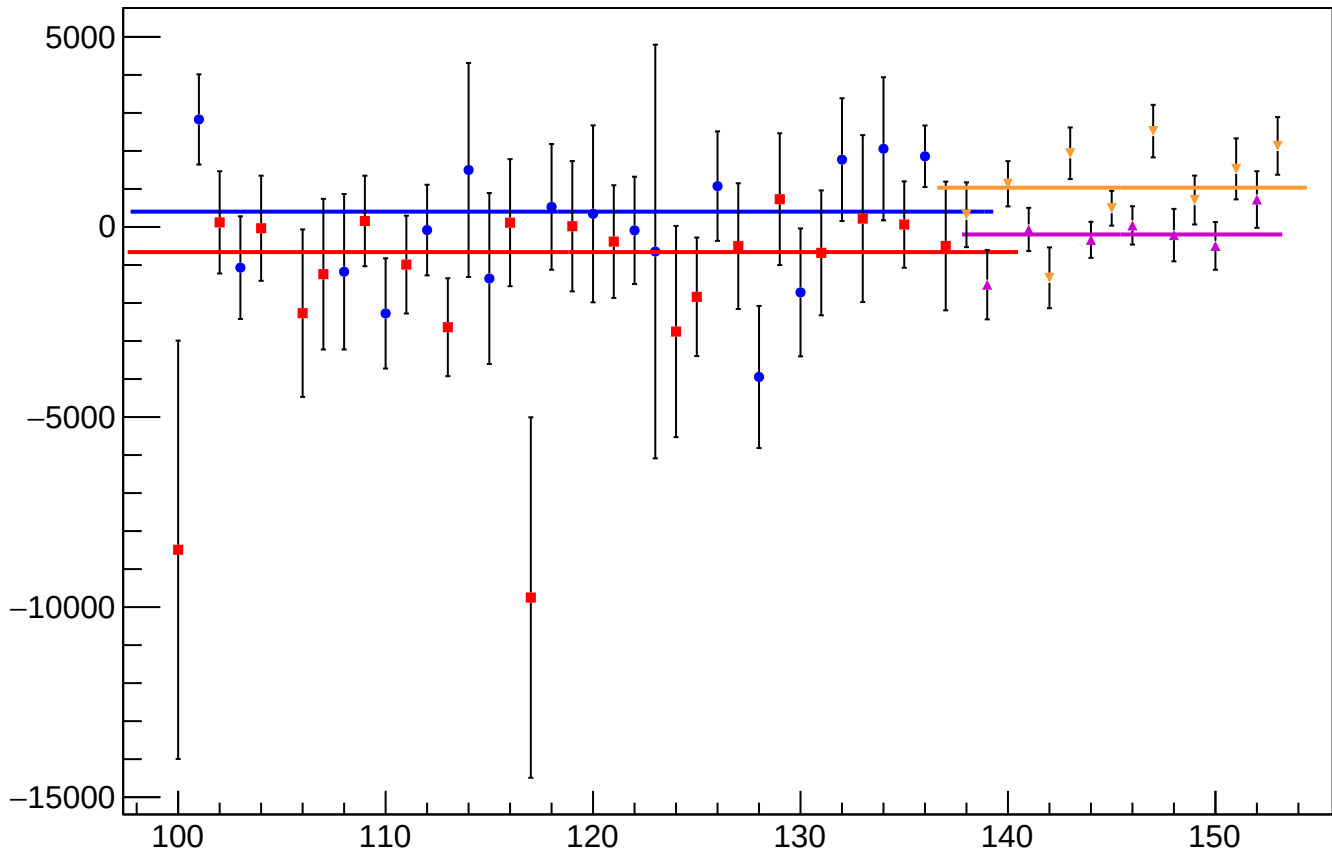
Left In: 532.159 $\pm$ 0.161 χ^2 /NDF: 405125.7/6

649.128 $\pm$ 0.133 χ^2 /NDF: 2407119.1/25

649.735 $\pm$ 0.095 χ^2 /NDF: 5103888.2/52

650.367 $\pm$ 0.136 χ^2 /NDF: 2696726.7/26

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1033.993+/-220.884 χ^2/NDF : 20.0/8

Right Out: -660.630+/-362.265 χ^2/NDF : 12.5/19

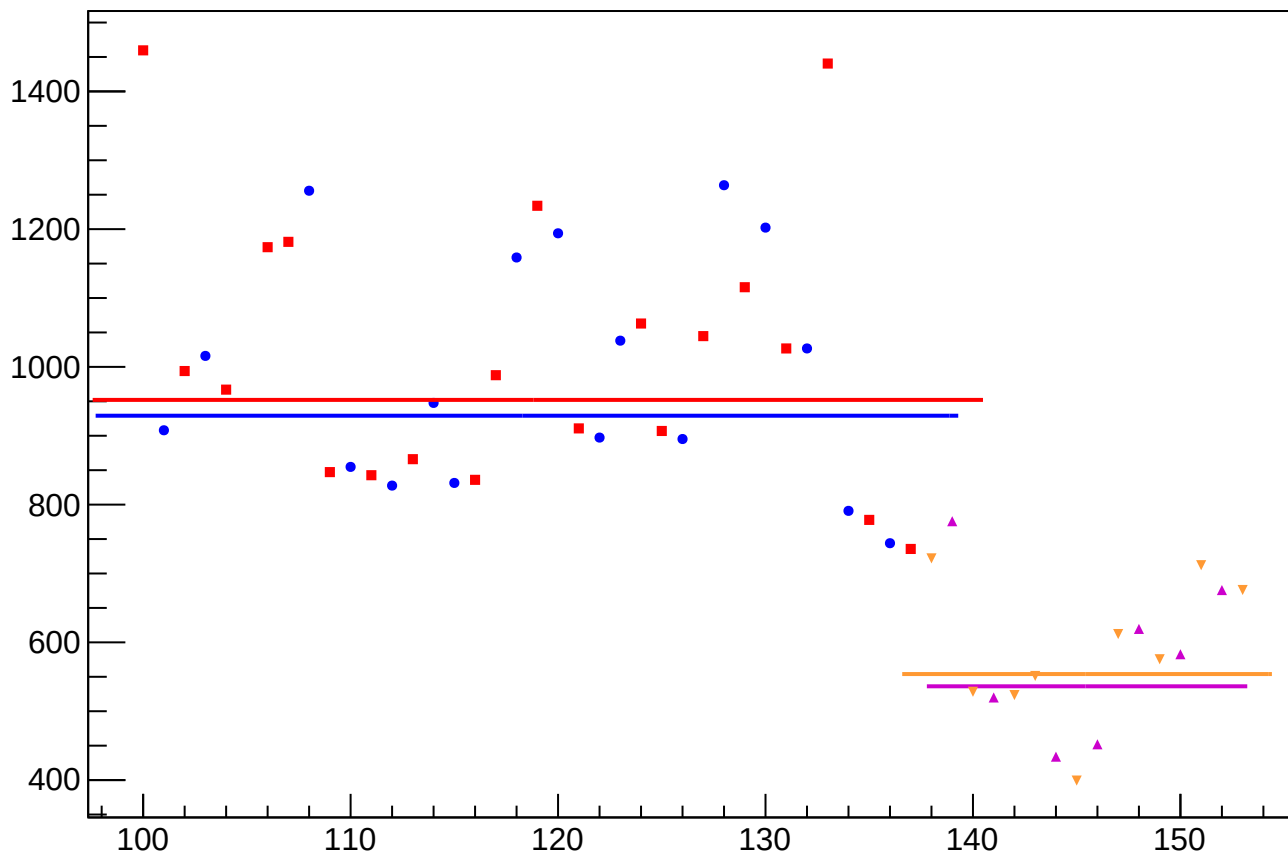
Left In: -197.088+/-228.752 χ^2/NDF : 4.2/6

866.818+/-189.345 χ^2/NDF : 44.6/25

281.524+/-135.304 χ^2/NDF : 82.0/52

-329.227+/-193.419 χ^2/NDF : 17.9/26

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 553.986 $\pm$ 0.156 χ^2/NDF : 457887.2/8

Right Out: 952.057 $\pm$ 0.256 χ^2/NDF : 382334.5/19

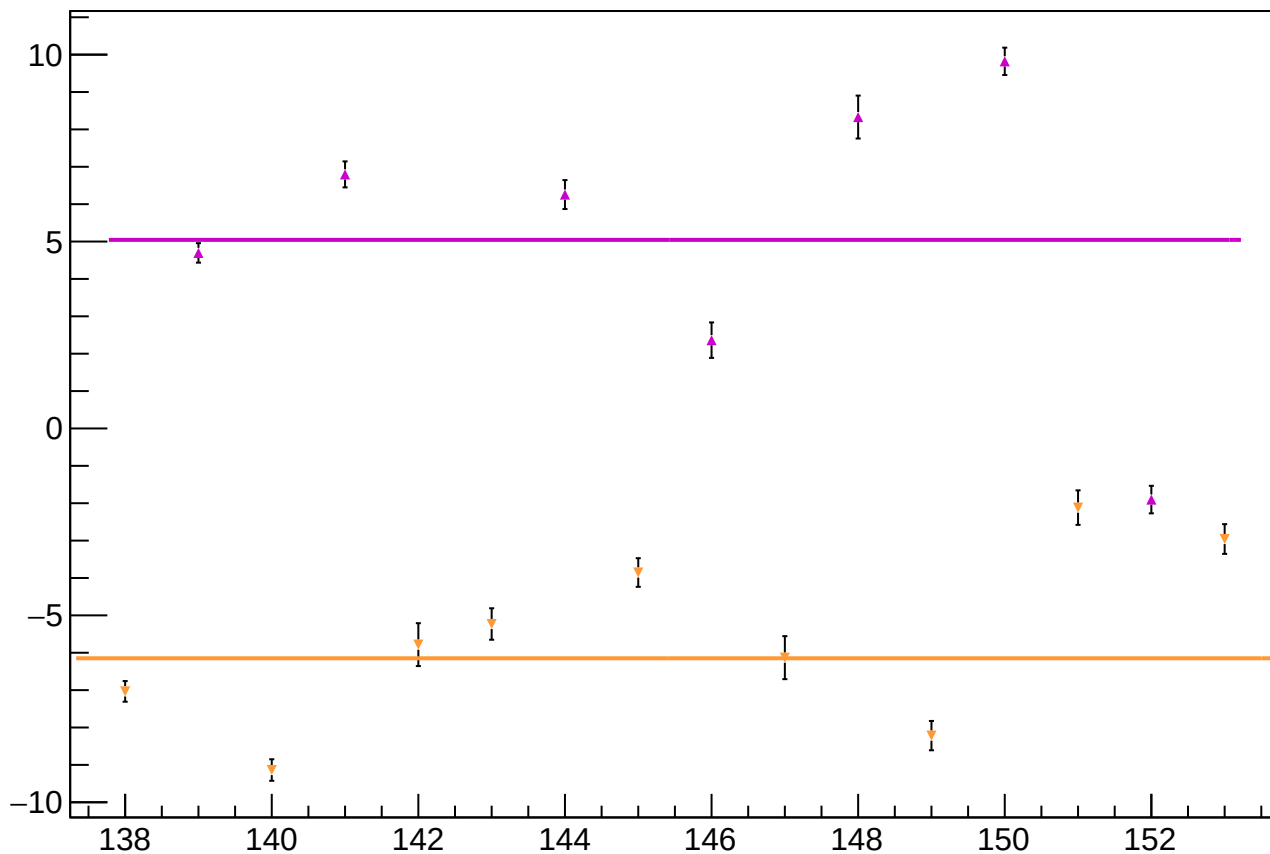
Left In: 536.189 $\pm$ 0.162 χ^2/NDF : 398575.8/6

653.460 $\pm$ 0.134 χ^2/NDF : 2377757.5/25

654.086 $\pm$ 0.096 χ^2/NDF : 5043032.2/52

654.738 $\pm$ 0.137 χ^2/NDF : 2665230.1/26

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.148+/-0.128 χ^2/NDF : 327.3/8

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

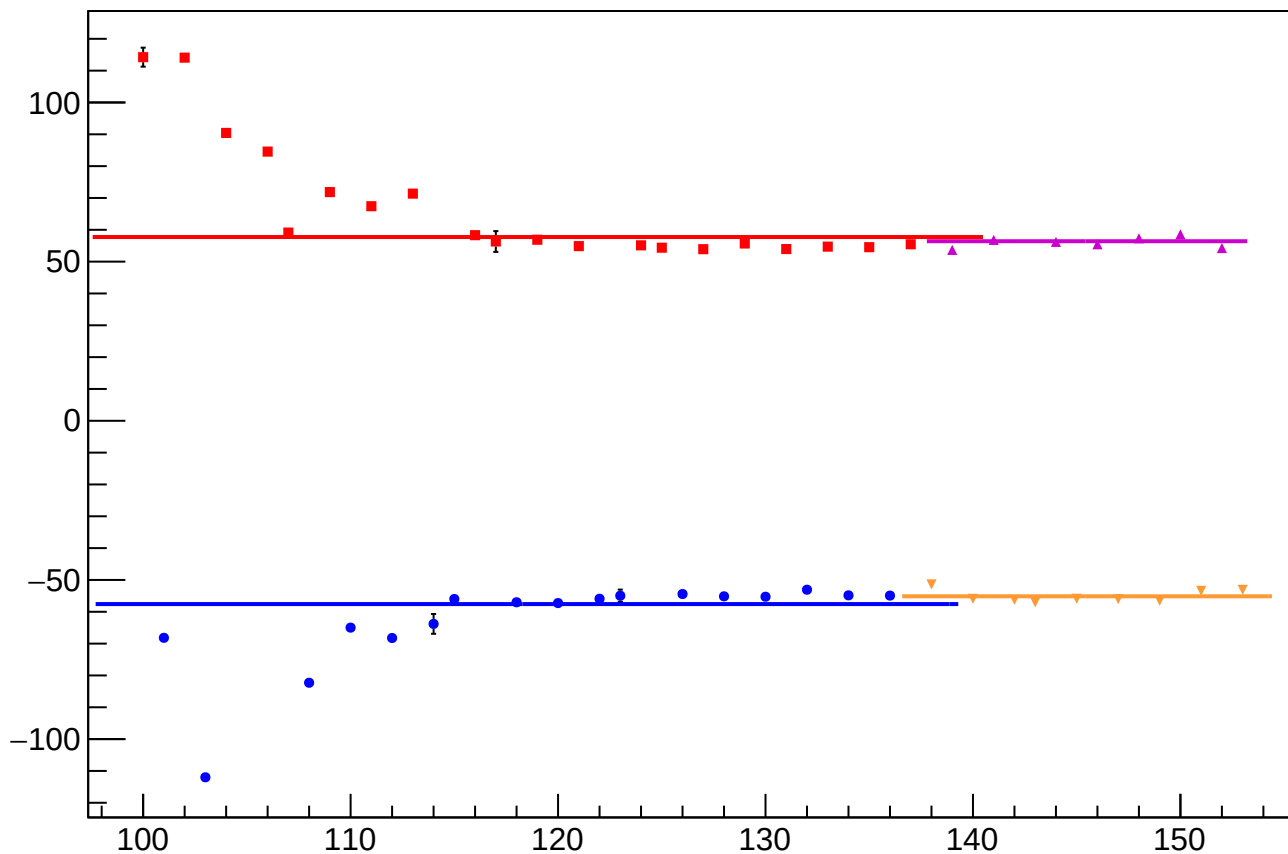
Left In: 5.045+/-0.139 χ^2/NDF : 627.9/6

-6.148+/-0.128 χ^2/NDF : 327.3/8

-1.006+/-0.094 χ^2/NDF : 4475.9/15

5.045+/-0.139 χ^2/NDF : 627.9/6

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.137 ± 0.095 χ^2/NDF : 333.3/8

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

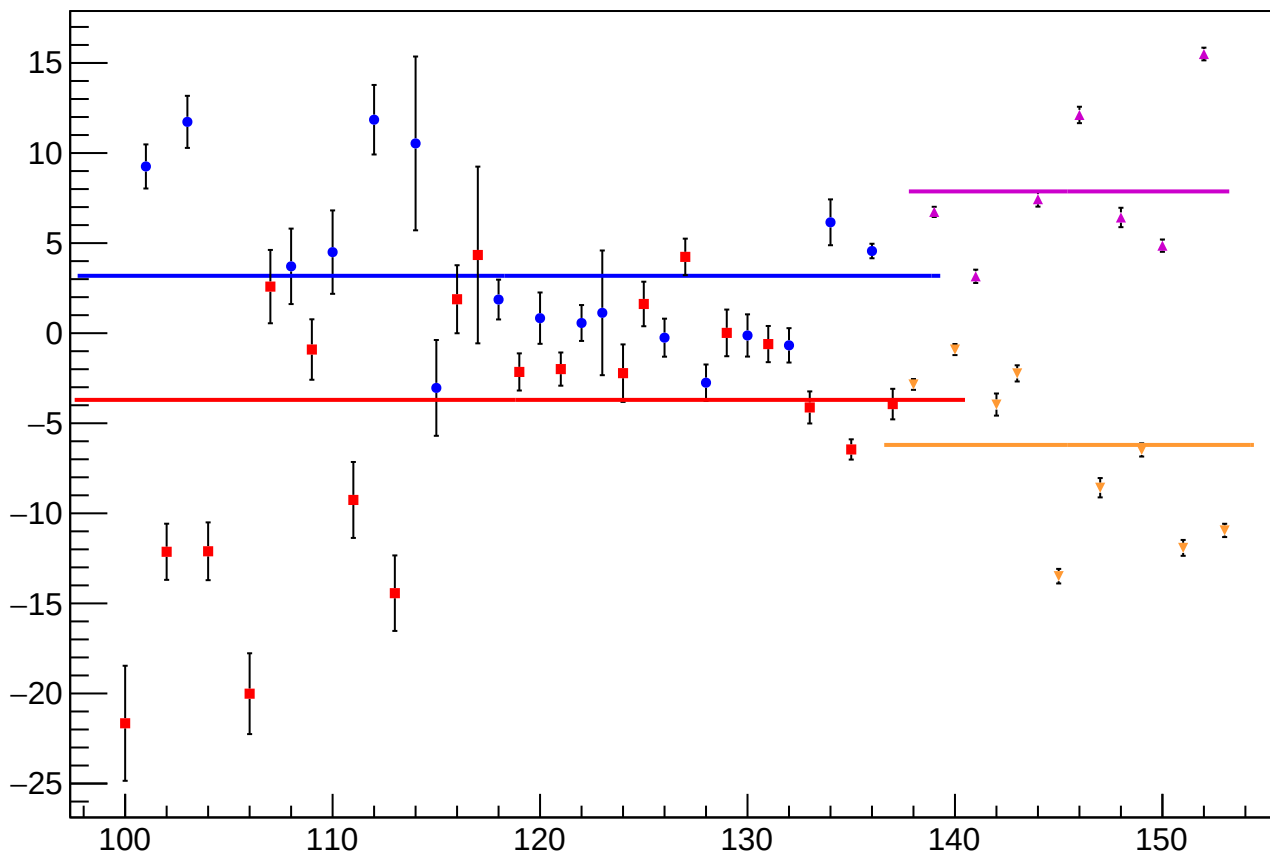
Left In: 56.412 ± 0.108 χ^2/NDF : 193.3/6

-55.888 ± 0.079 χ^2/NDF : 3990.9/25

-4.283 ± 0.058 χ^2/NDF : 934635.0/52

56.893 ± 0.086 χ^2/NDF : 4946.0/26

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -6.203 ± 0.130 χ^2/NDF : 1192.1/8

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

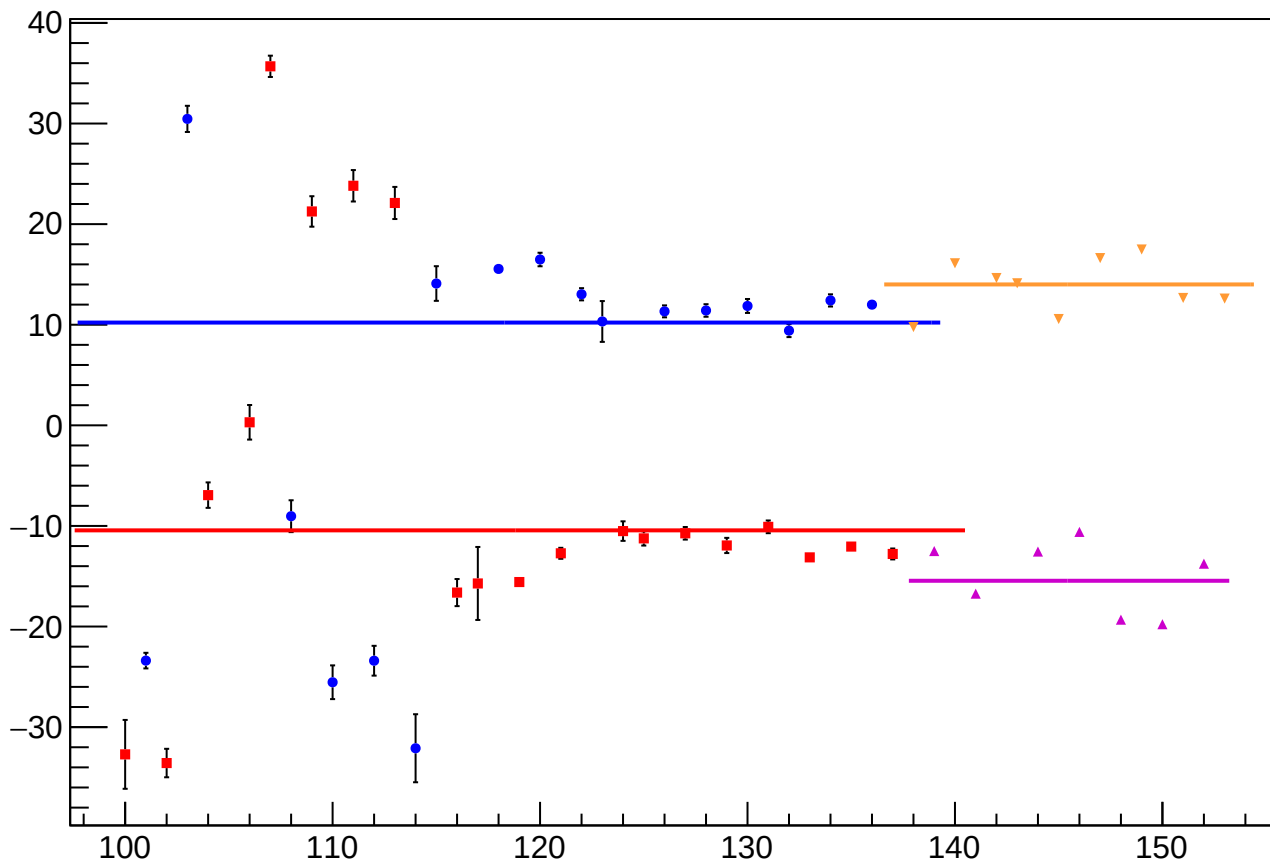
Left In: 7.870 ± 0.141 χ^2/NDF : 819.9/6

-4.305 ± 0.116 χ^2/NDF : 2426.2/25

0.206 ± 0.085 χ^2/NDF : 8255.0/52

5.358 ± 0.124 χ^2/NDF : 2615.8/26

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 12.706+/-0.093 χ^2/NDF : 4569.3/25

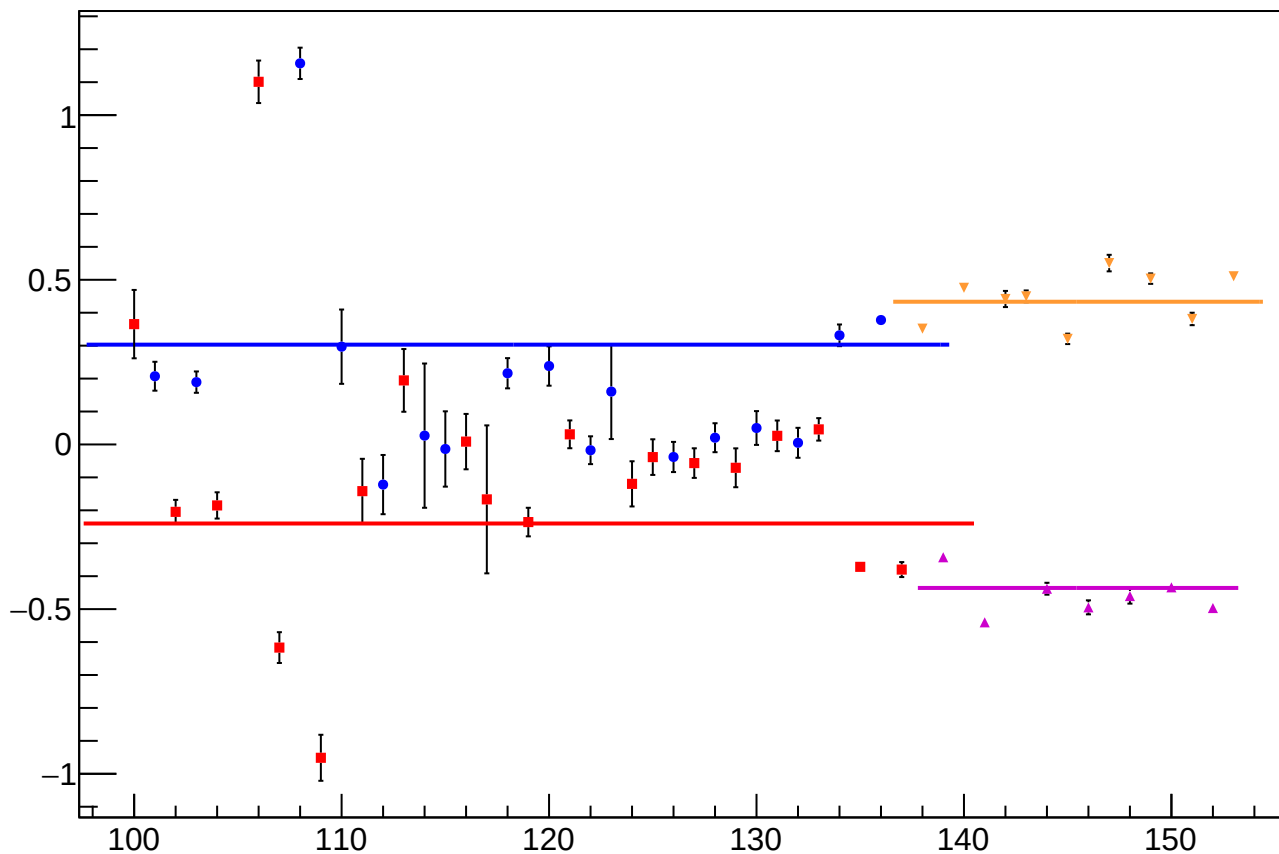
Right Out: -10.440+/-0.160 χ^2/NDF : 3829.1/19

Left In: -13.476+/-0.100 χ^2/NDF : 5075.7/26

12.706+/-0.093 χ^2/NDF : 4569.3/25

0.671+/-0.068 χ^2/NDF : 46405.0/52

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.433 ± 0.005 χ^2/NDF : 195.3/8

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.5/19

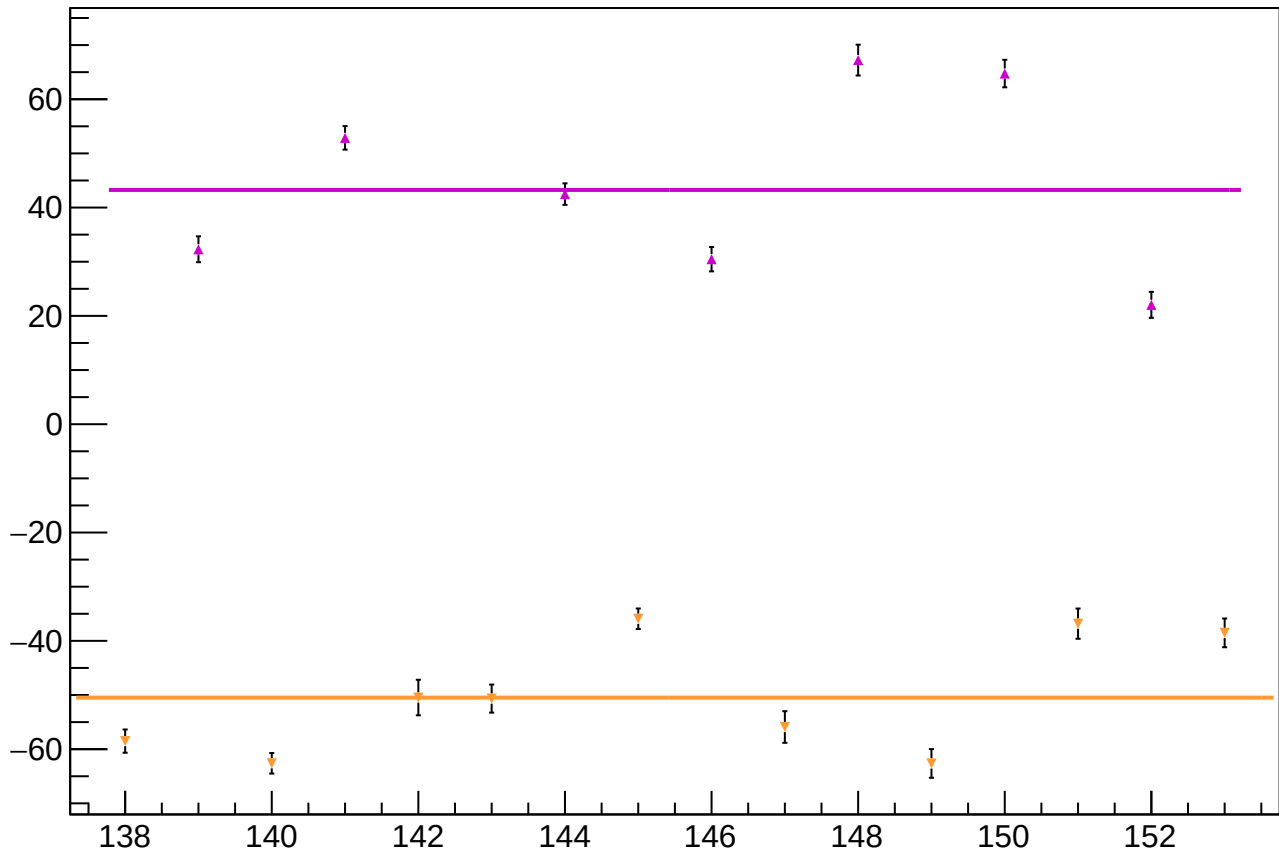
Left In: -0.436 ± 0.006 χ^2/NDF : 164.8/6

0.395 ± 0.004 χ^2/NDF : 1019.9/25

0.031 ± 0.003 χ^2/NDF : 16827.3/52

-0.376 ± 0.005 χ^2/NDF : 1516.8/26

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -50.482+/-0.804 χ^2/NDF : 182.6/8

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

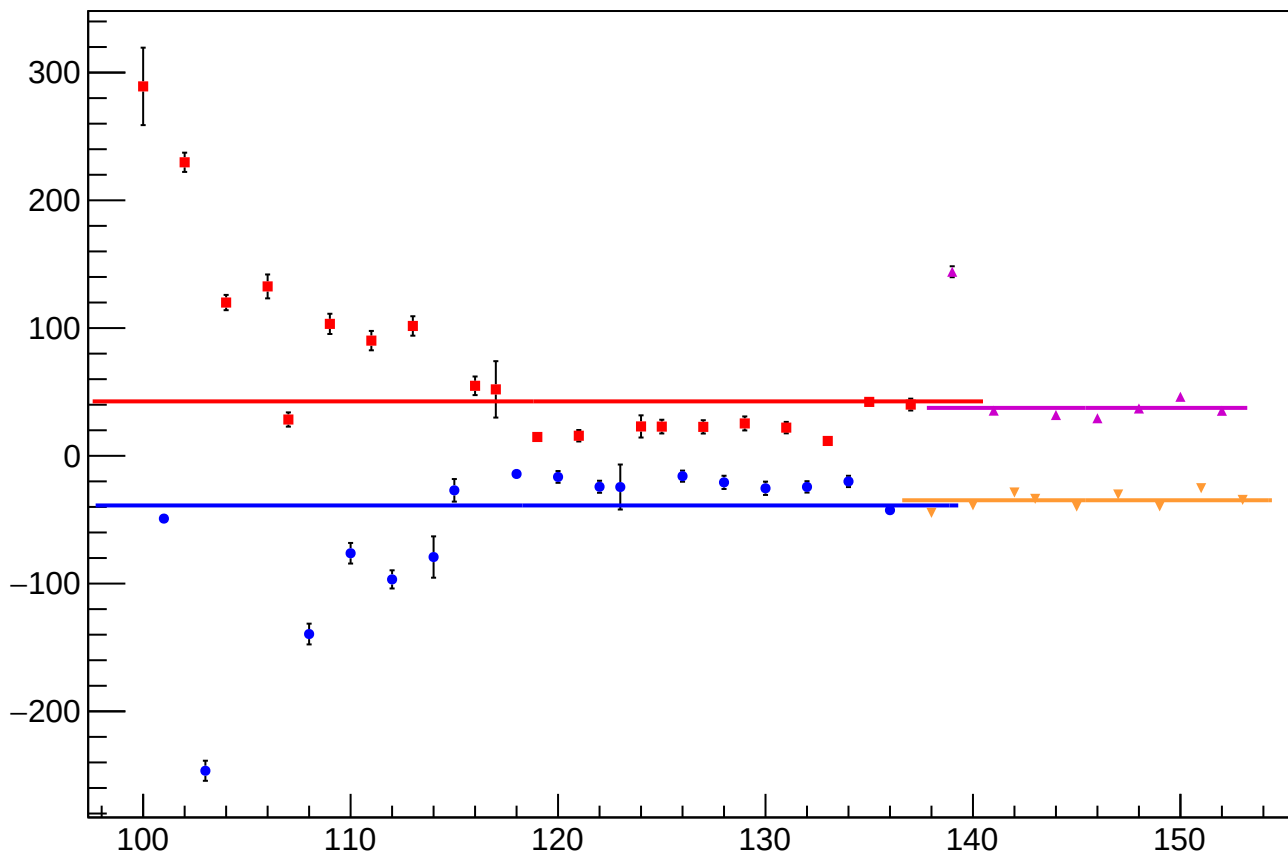
Left In: 43.253+/-0.880 χ^2/NDF : 294.0/6

-50.482+/-0.804 χ^2/NDF : 182.6/8

-7.817+/-0.594 χ^2/NDF : 6656.4/15

43.253+/-0.880 χ^2/NDF : 294.0/6

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -34.779 ± 0.563 $\chi^2/\text{NDF}: 99.4/8$

Right Out: 42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

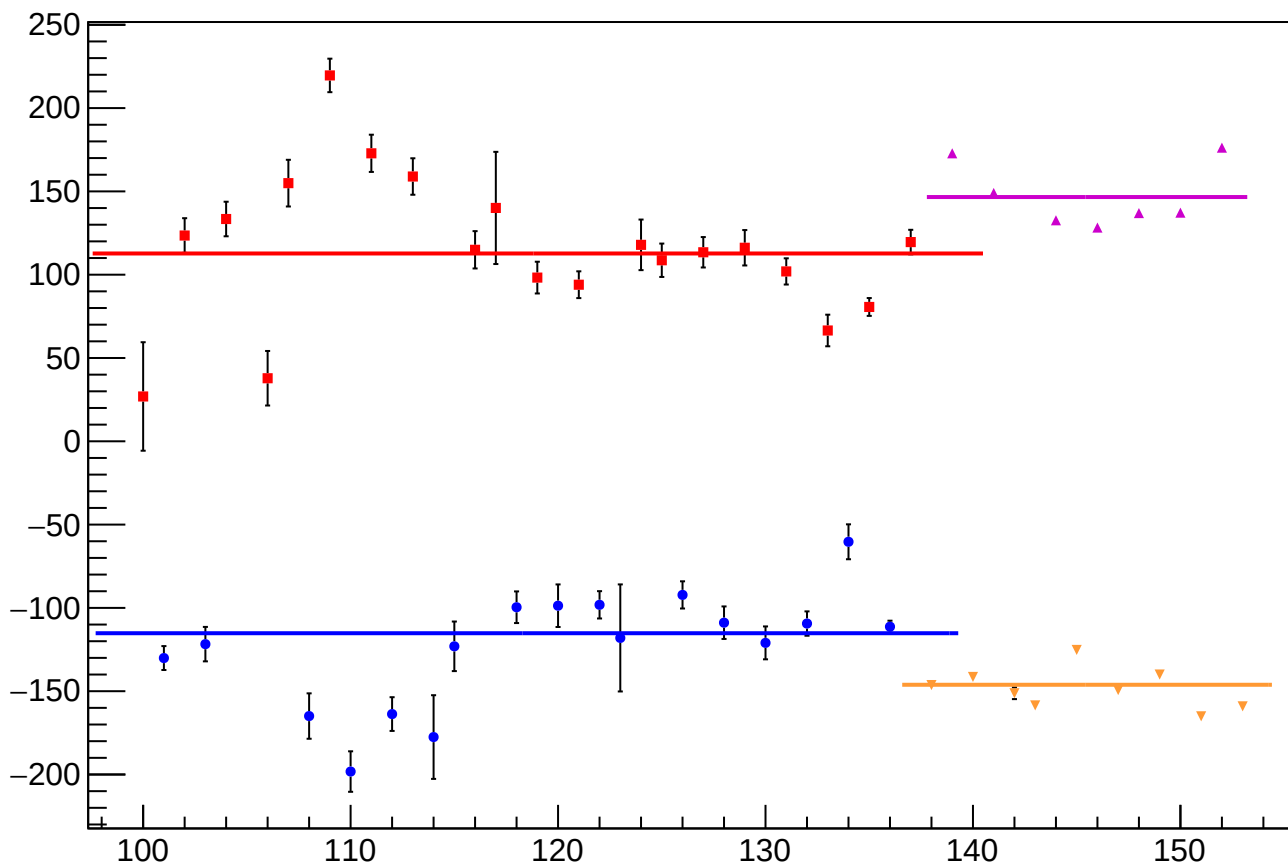
Left In: 37.516 ± 0.613 $\chi^2/\text{NDF}: 698.5/6$

-35.566 ± 0.505 $\chi^2/\text{NDF}: 1231.4/25$

-1.421 ± 0.371 $\chi^2/\text{NDF}: 13197.2/52$

38.561 ± 0.547 $\chi^2/\text{NDF}: 2058.5/26$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 χ^2/NDF : 140.8/16

Left Out: -146.138 ± 0.819 χ^2/NDF : 220.4/8

Right Out: 112.729 ± 2.205 χ^2/NDF : 273.1/19

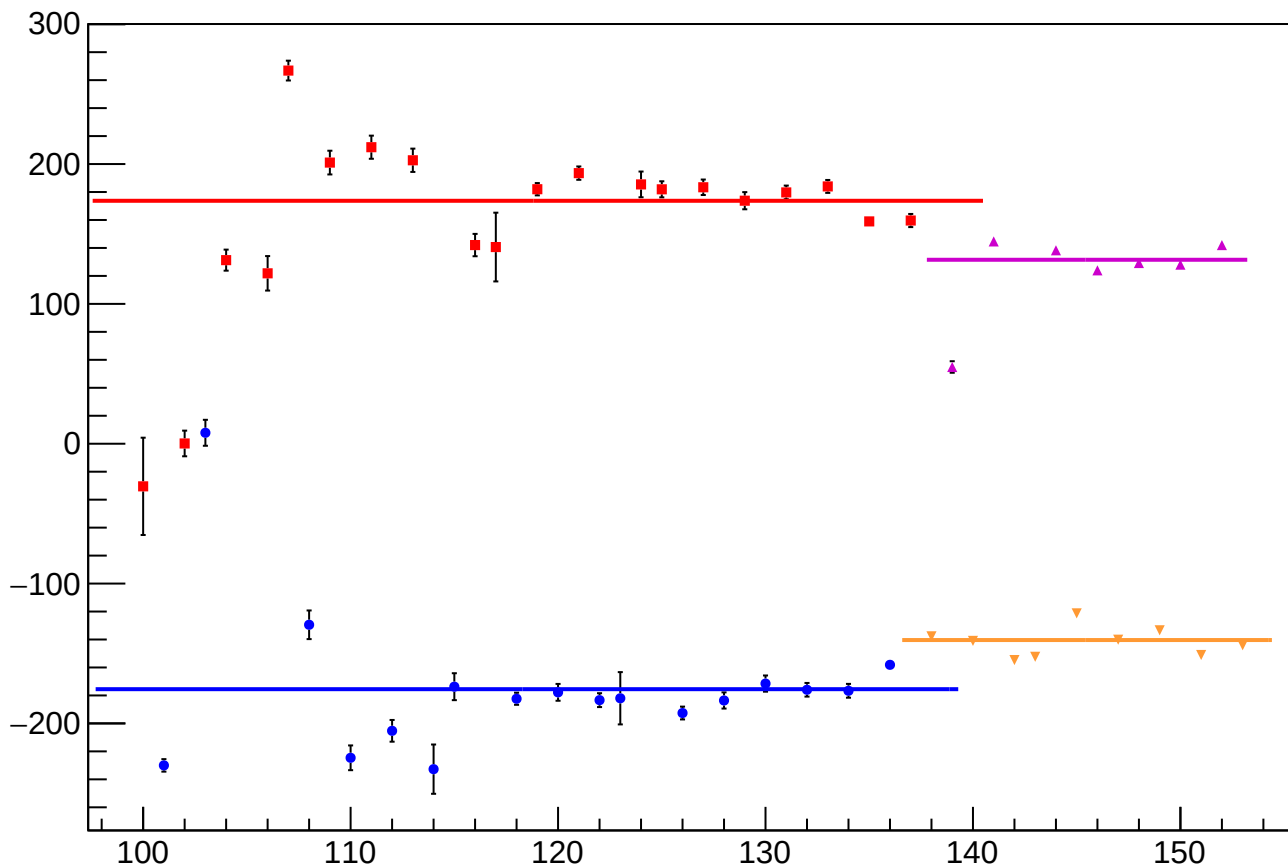
Left In: 146.607 ± 0.884 χ^2/NDF : 414.8/6

-141.988 ± 0.762 χ^2/NDF : 552.5/25

-10.412 ± 0.558 χ^2/NDF : 65720.7/52

141.917 ± 0.820 χ^2/NDF : 891.3/26

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -140.387 ± 0.687 χ^2/NDF : 222.3/8

Right Out: 173.729 ± 1.354 χ^2/NDF : 739.7/19

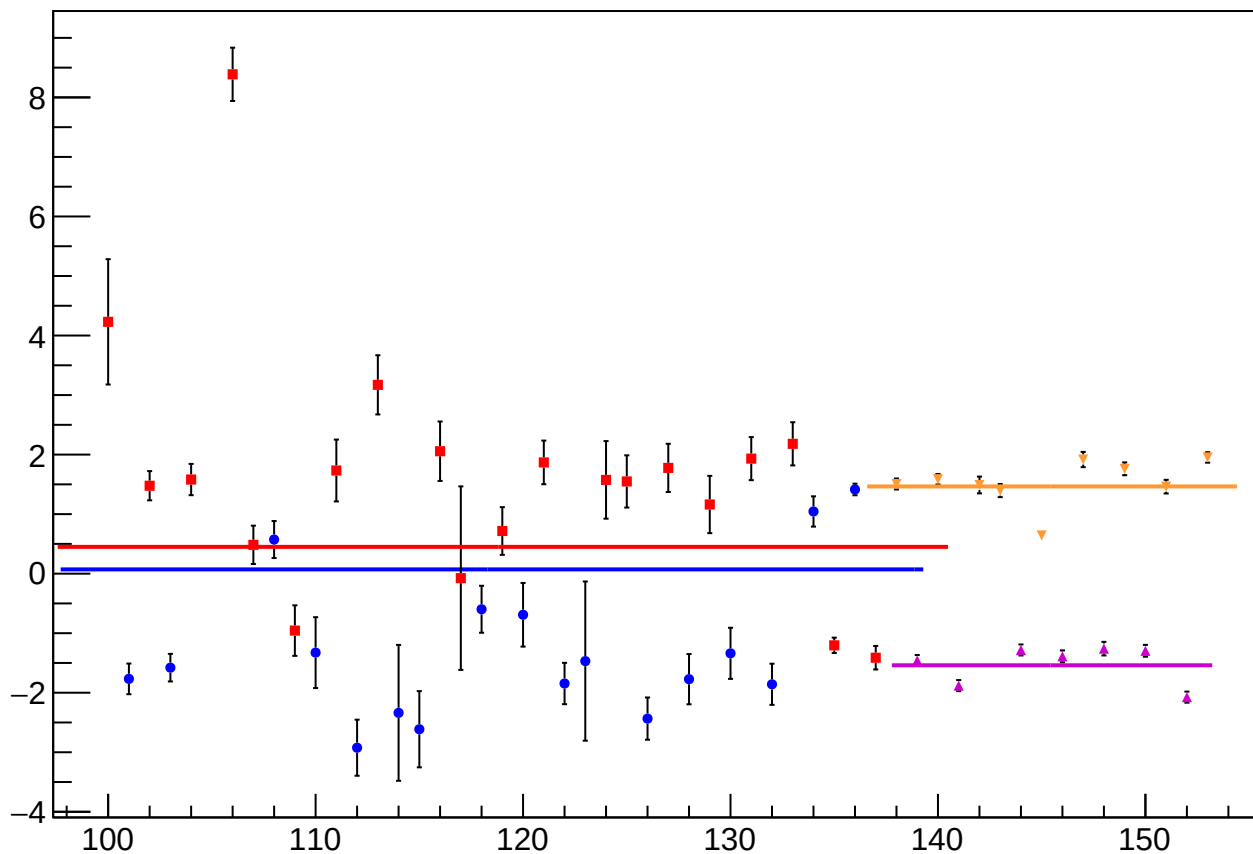
Left In: 131.550 ± 0.751 χ^2/NDF : 460.0/6

-148.265 ± 0.605 χ^2/NDF : 1501.7/25

-15.387 ± 0.445 χ^2/NDF : 108719.8/52

141.476 ± 0.657 χ^2/NDF : 1941.2/26

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.465 ± 0.034 χ^2/NDF : 161.5/8

Right Out: 0.450 ± 0.071 χ^2/NDF : 751.4/19

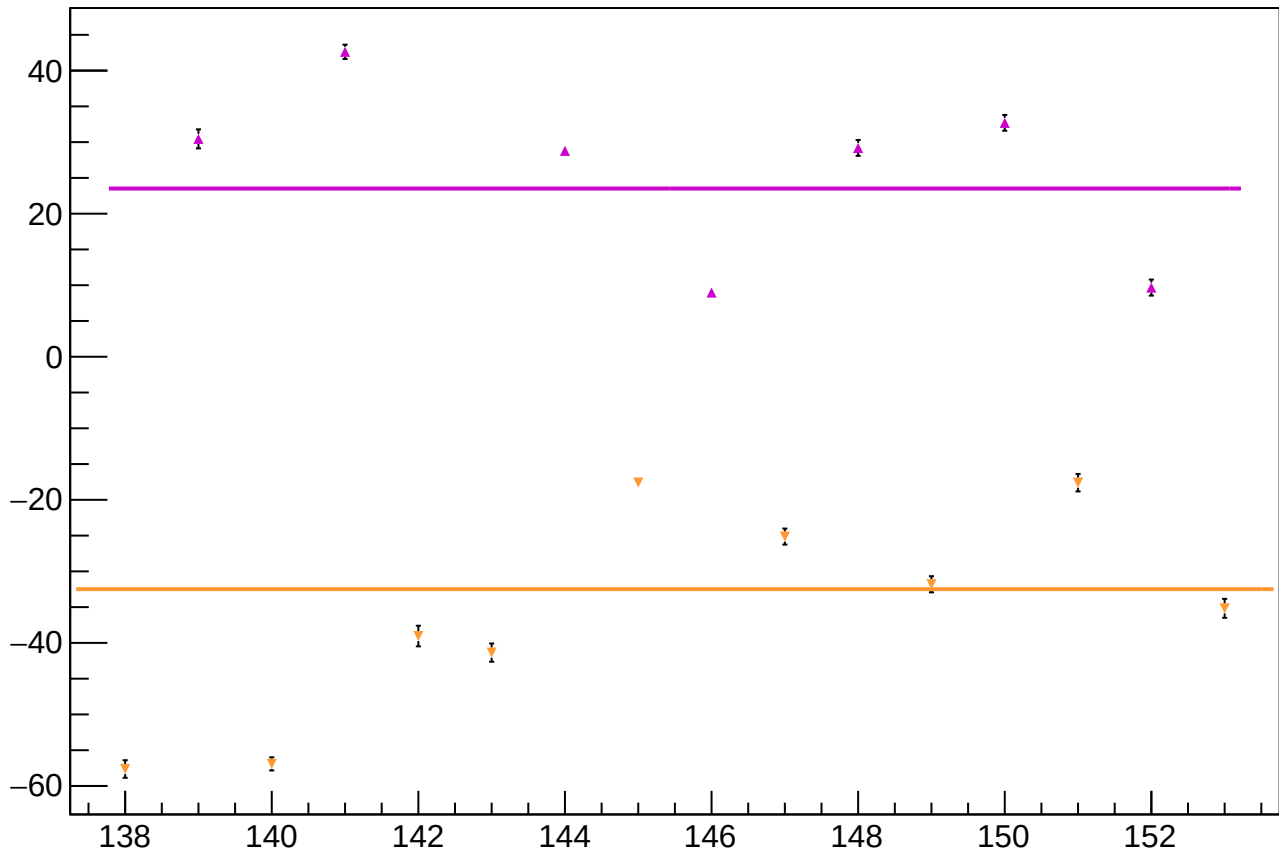
Left In: -1.539 ± 0.037 χ^2/NDF : 69.1/6

1.187 ± 0.030 χ^2/NDF : 1031.5/25

0.127 ± 0.022 χ^2/NDF : 5190.0/52

-1.123 ± 0.033 χ^2/NDF : 1436.9/26

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.485+/-0.345 χ^2/NDF :1966.9/8

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

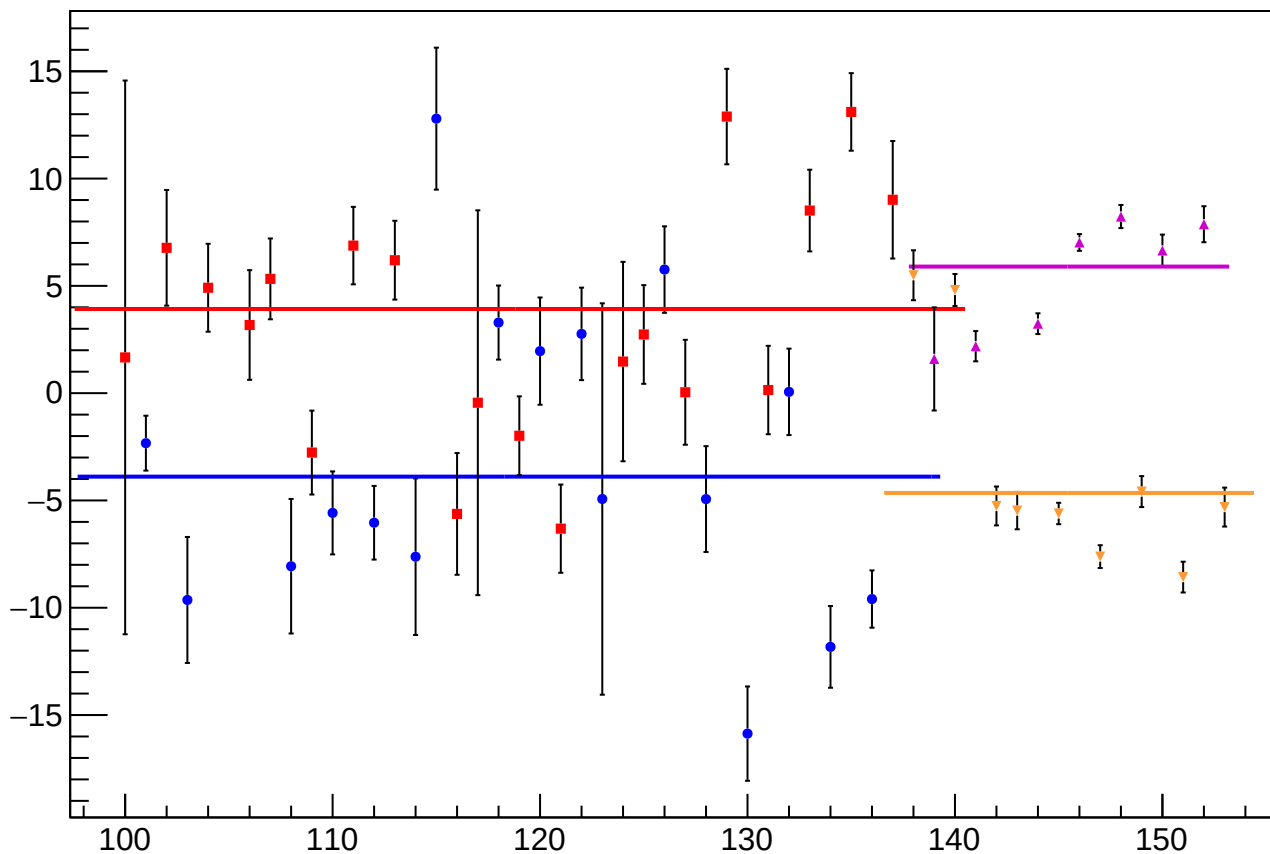
Left In: 23.516+/-0.341 χ^2/NDF :1220.5/6

-32.485+/-0.345 χ^2/NDF : 1966.9/8

-4.092+/-0.243 χ^2/NDF : 16515.1/15

23.516+/-0.341 χ^2/NDF : 1220.5/6

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.650 ± 0.238 χ^2/NDF : 303.7/8

Right Out: 3.923 ± 0.506 χ^2/NDF : 122.4/19

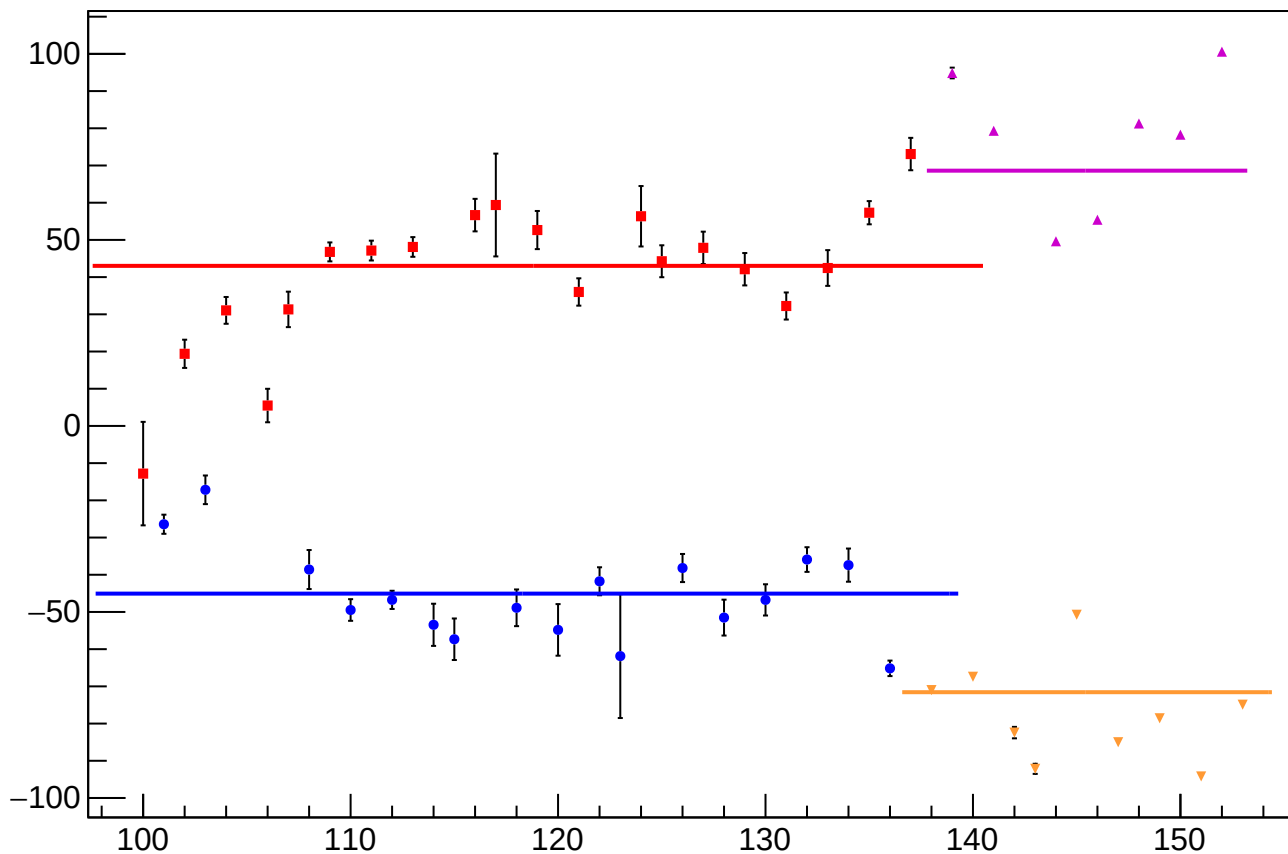
Left In: 5.898 ± 0.225 χ^2/NDF : 94.7/6

-4.510 ± 0.214 χ^2/NDF : 466.1/25

0.737 ± 0.148 χ^2/NDF : 1846.3/52

5.571 ± 0.206 χ^2/NDF : 229.8/26

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -71.566 ± 0.351 χ^2/NDF : 1897.6/8

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

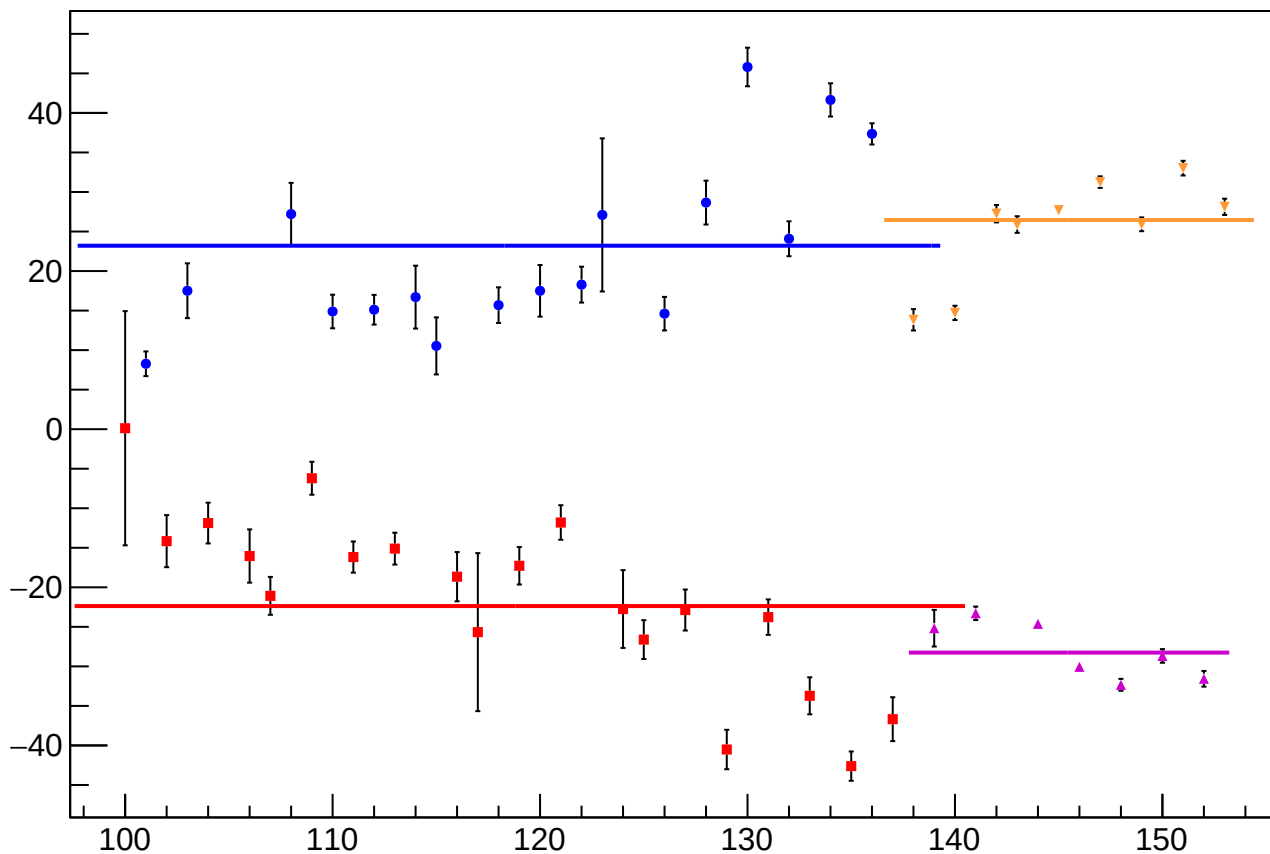
Left In: 68.611 ± 0.340 χ^2/NDF : 2702.5/6

-67.944 ± 0.327 χ^2/NDF : 2904.0/25

0.645 ± 0.227 χ^2/NDF : 92260.2/52

65.262 ± 0.317 χ^2/NDF : 3693.5/26

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2/NDF : 457.3/16

Left Out: 26.454 $\pm$ 0.291 χ^2/NDF : 357.8/8

Right Out: -22.372 $\pm$ 0.572 χ^2/NDF : 367.0/19

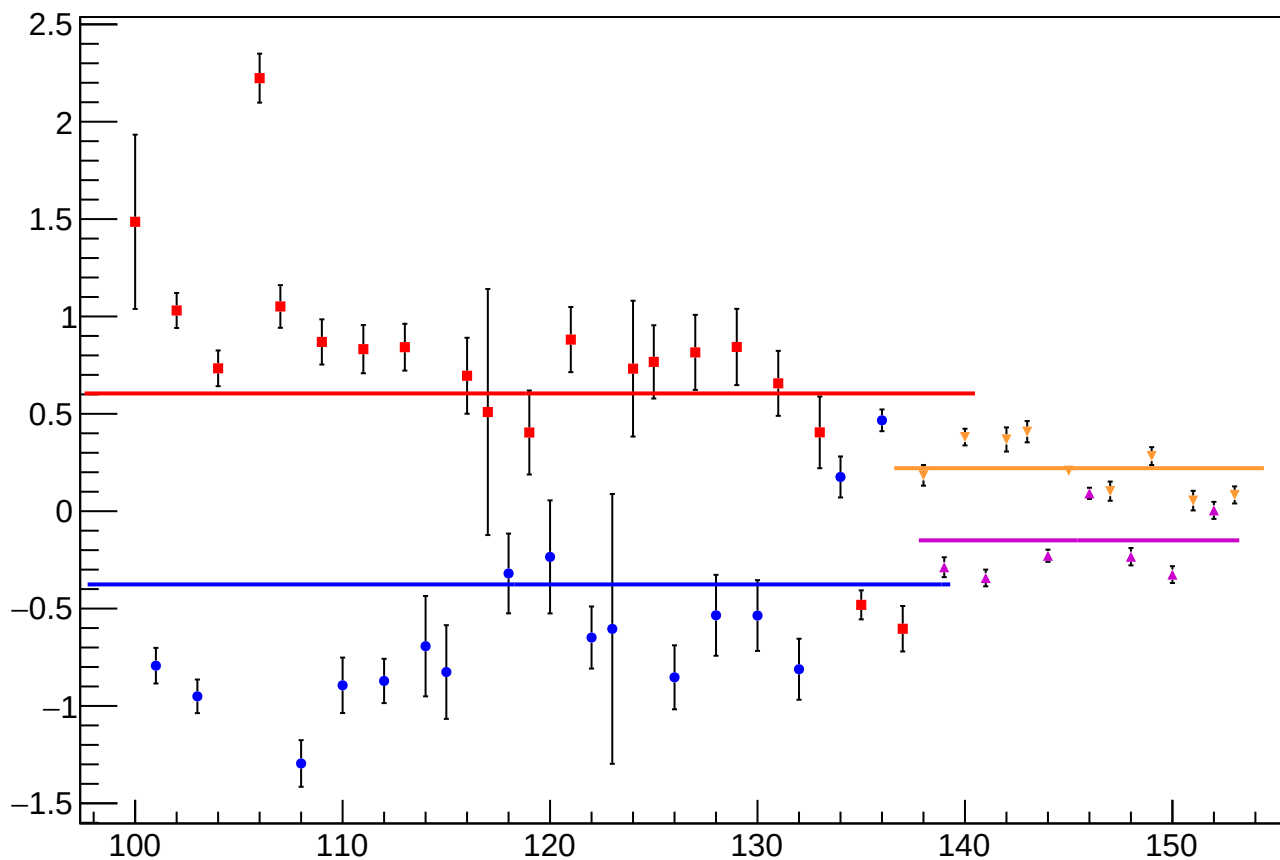
Left In: -28.256 $\pm$ 0.279 χ^2/NDF : 129.8/6

25.760 $\pm$ 0.258 χ^2/NDF : 841.7/25

-1.416 $\pm$ 0.180 χ^2/NDF : 22988.8/52

-27.120 $\pm$ 0.251 χ^2/NDF : 582.3/26

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: 0.221 ± 0.014 $\chi^2/\text{NDF}: 60.4/8$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

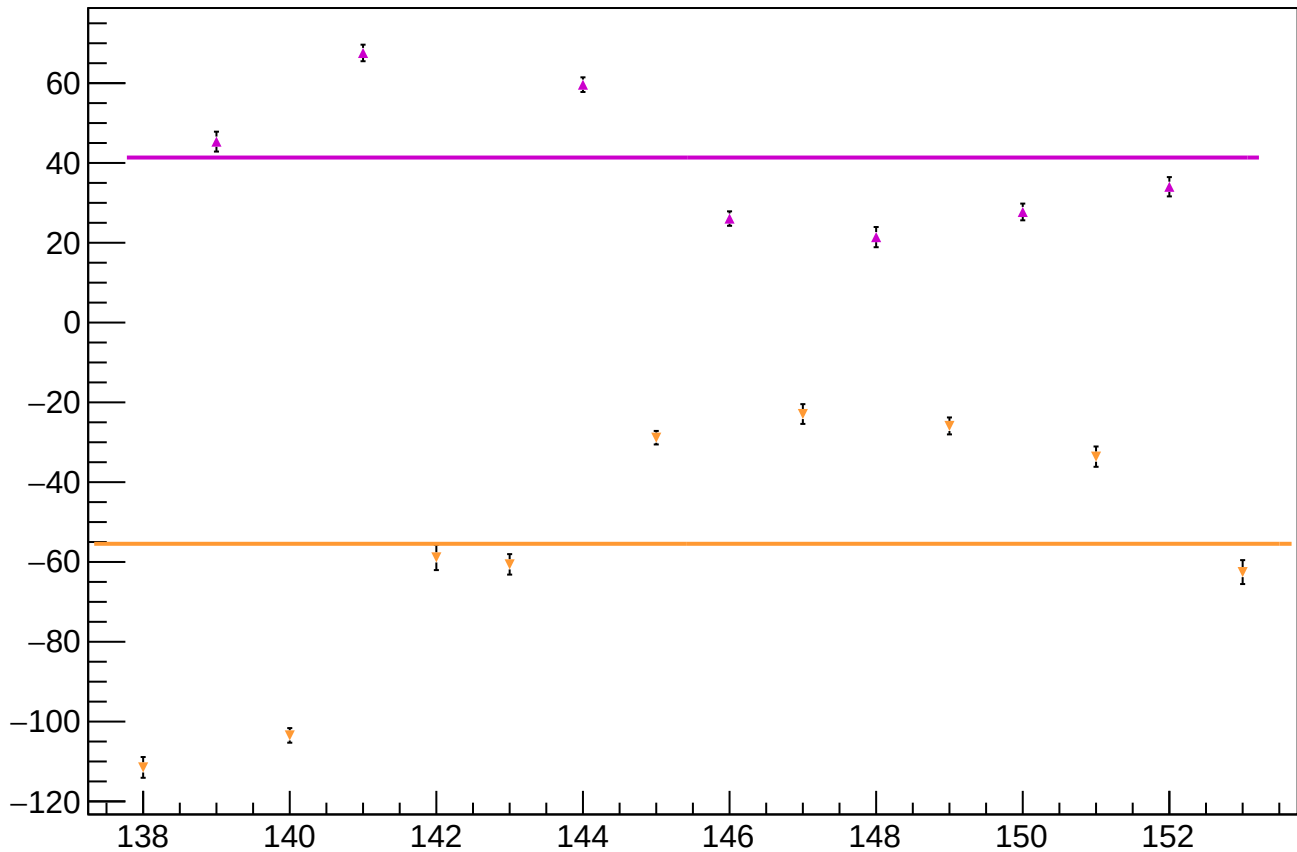
Left In: -0.150 ± 0.015 $\chi^2/\text{NDF}: 137.4/6$

0.109 ± 0.013 $\chi^2/\text{NDF}: 816.9/25$

0.051 ± 0.009 $\chi^2/\text{NDF}: 2052.5/52$

-0.008 ± 0.013 $\chi^2/\text{NDF}: 1195.4/26$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -55.444+/-0.768 χ^2/NDF : 1845.8/8

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

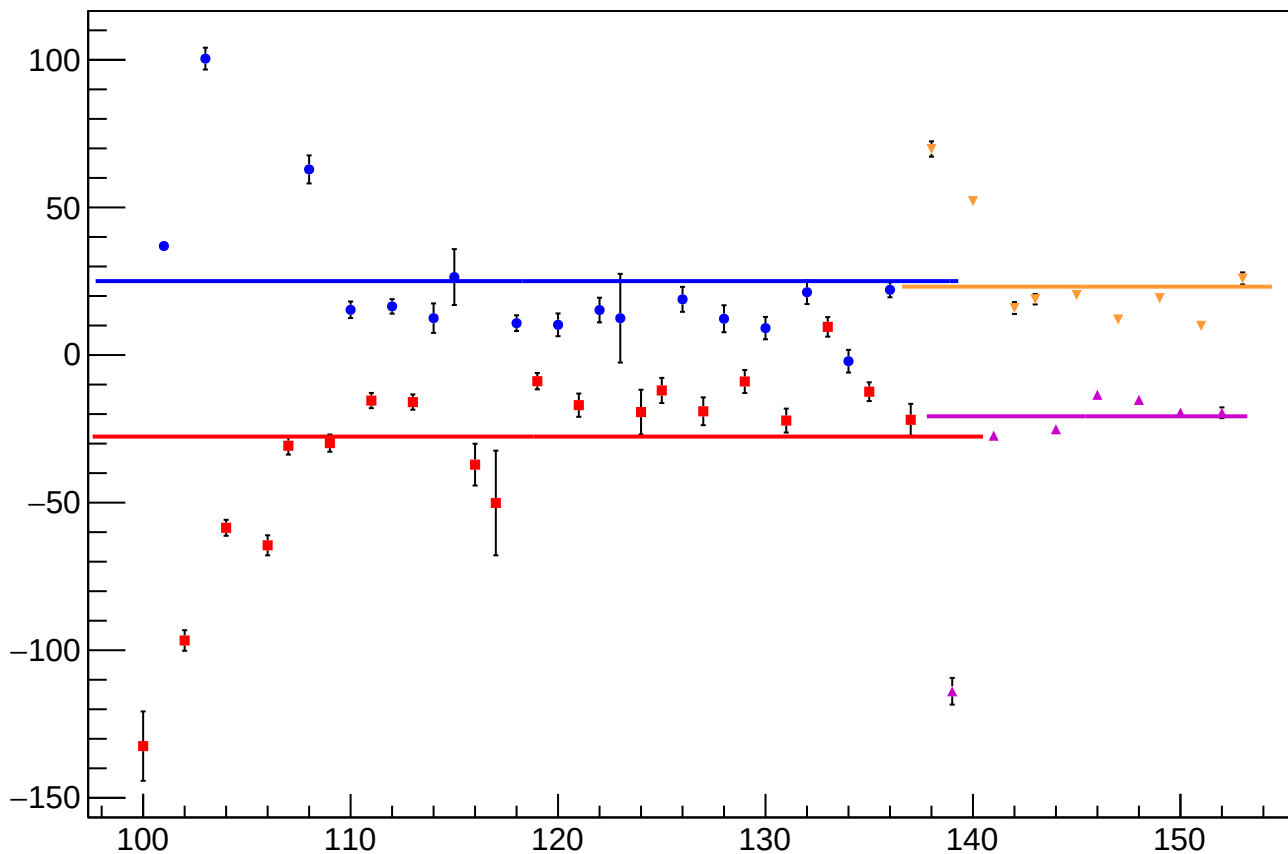
Left In: 41.357+/-0.803 χ^2/NDF : 445.9/6

-55.444+/-0.768 χ^2/NDF : 1845.8/8

-9.204+/-0.555 χ^2/NDF : 9873.7/15

41.357+/-0.803 χ^2/NDF : 445.9/6

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 23.167 $\pm$ 0.527 χ^2 /NDF: 895.3/8

Right Out: -27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

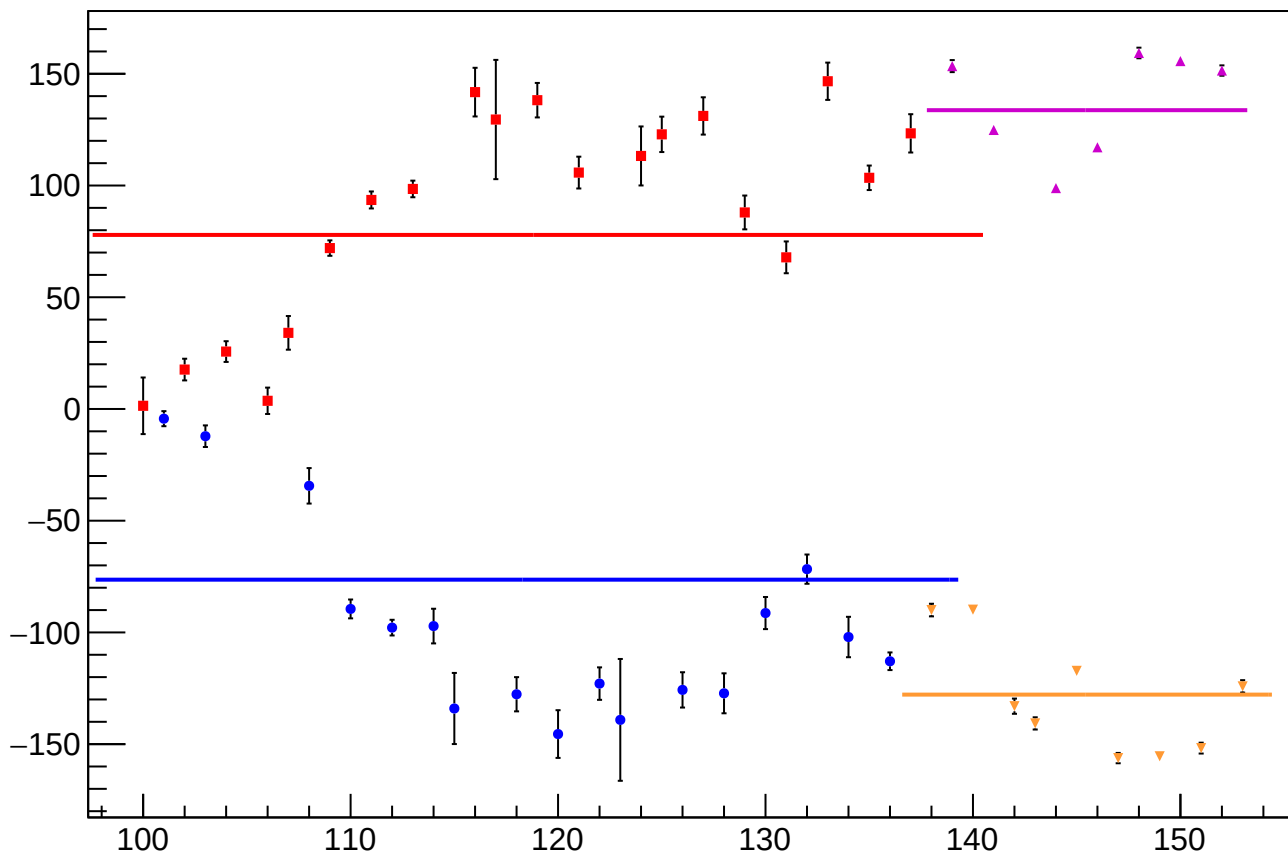
Left In: -20.756 $\pm$ 0.552 χ^2 /NDF: 517.6/6

23.730 $\pm$ 0.441 χ^2 /NDF: 1585.6/25

1.147 $\pm$ 0.317 χ^2 /NDF: 8577.1/52

-22.934 $\pm$ 0.456 χ^2 /NDF: 1581.1/26

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -127.830 ± 0.777 $\chi^2/\text{NDF}: 1061.2/8$

Right Out: 77.894 ± 1.351 $\chi^2/\text{NDF}: 876.4/19$

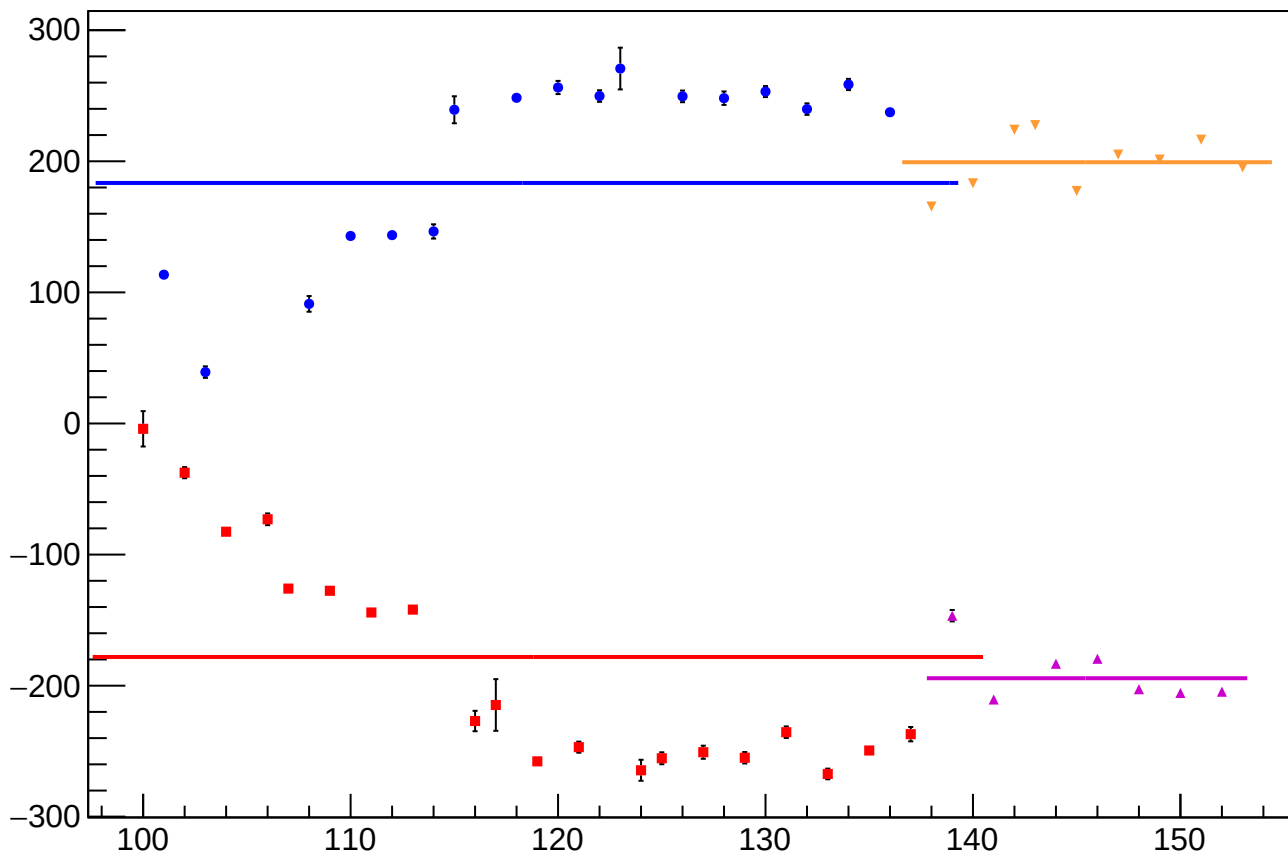
Left In: 133.719 ± 0.802 $\chi^2/\text{NDF}: 774.9/6$

-115.935 ± 0.681 $\chi^2/\text{NDF}: 3107.3/25$

0.181 ± 0.485 $\chi^2/\text{NDF}: 64883.3/52$

119.182 ± 0.689 $\chi^2/\text{NDF}: 2914.0/26$

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: 199.288 $\pm$ 0.646 χ^2/NDF : 773.0/8

Right Out: -178.092 $\pm$ 0.923 χ^2/NDF : 6349.2/19

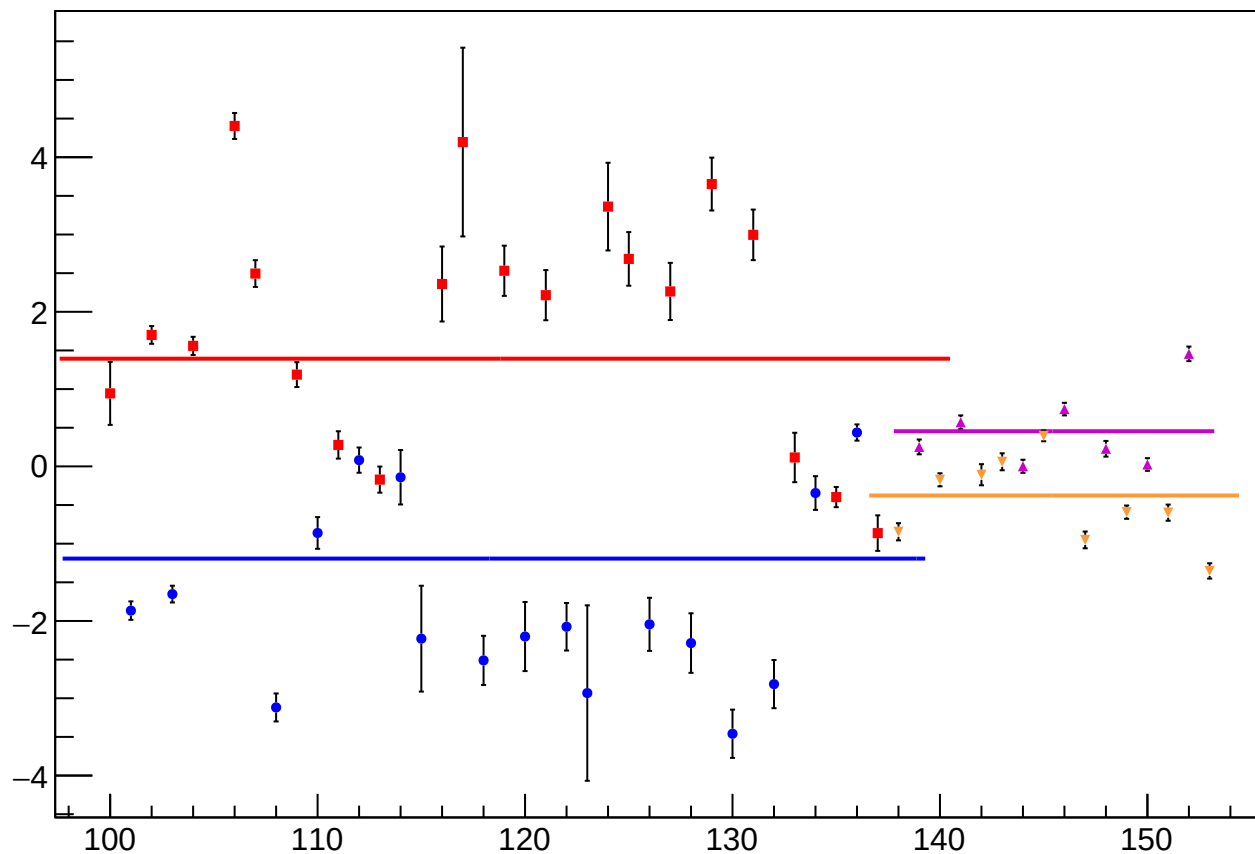
Left In: -194.314 $\pm$ 0.675 χ^2/NDF : 454.6/6

194.054 $\pm$ 0.529 χ^2/NDF : 6302.5/25

8.549 $\pm$ 0.379 χ^2/NDF : 267434.8/52

-188.657 $\pm$ 0.545 χ^2/NDF : 7005.0/26

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.377 ± 0.032 χ^2/NDF : 298.9/8

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

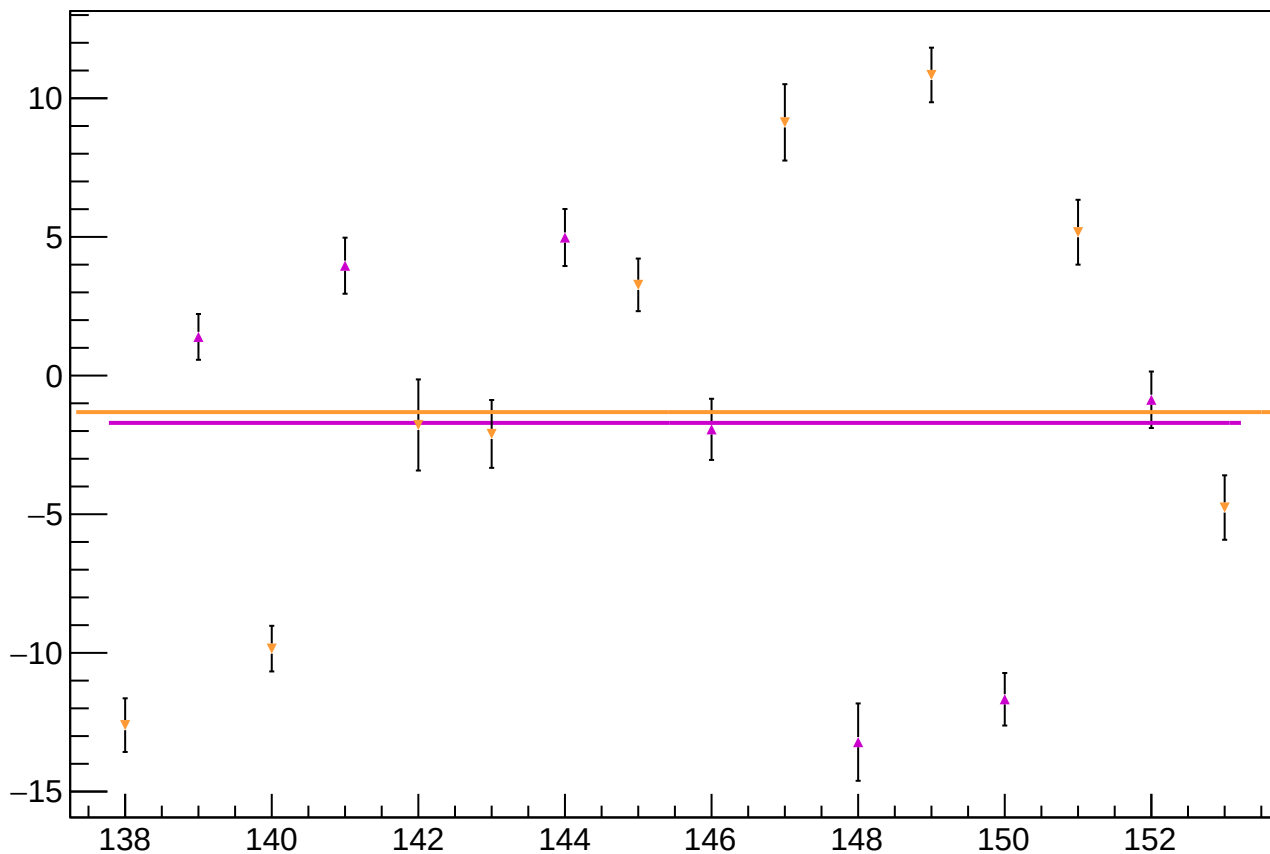
Left In: 0.455 ± 0.034 χ^2/NDF : 192.7/6

-0.628 ± 0.027 χ^2/NDF : 1119.4/25

0.067 ± 0.019 χ^2/NDF : 3885.8/52

0.784 ± 0.027 χ^2/NDF : 1391.3/26

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.317 $\pm$ 0.360 χ^2 /NDF: 517.1/8

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

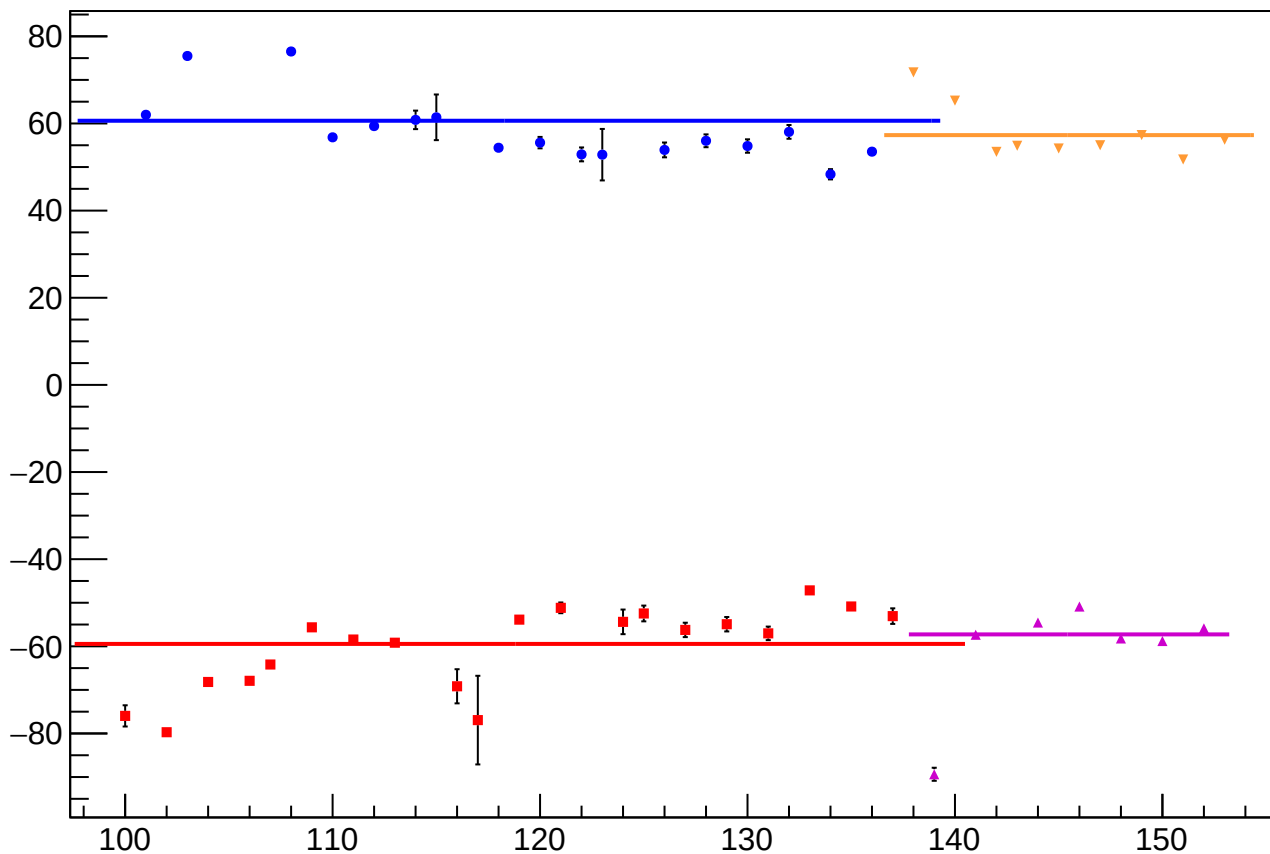
Left In: -1.706 $\pm$ 0.383 χ^2 /NDF: 267.3/6

-1.317 $\pm$ 0.360 χ^2 /NDF: 517.1/8

-1.500 $\pm$ 0.262 χ^2 /NDF: 784.9/15

-1.706 $\pm$ 0.383 χ^2 /NDF: 267.3/6

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 57.327 $\pm$ 0.256 χ^2 /NDF: 438.8/8

Right Out: -59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

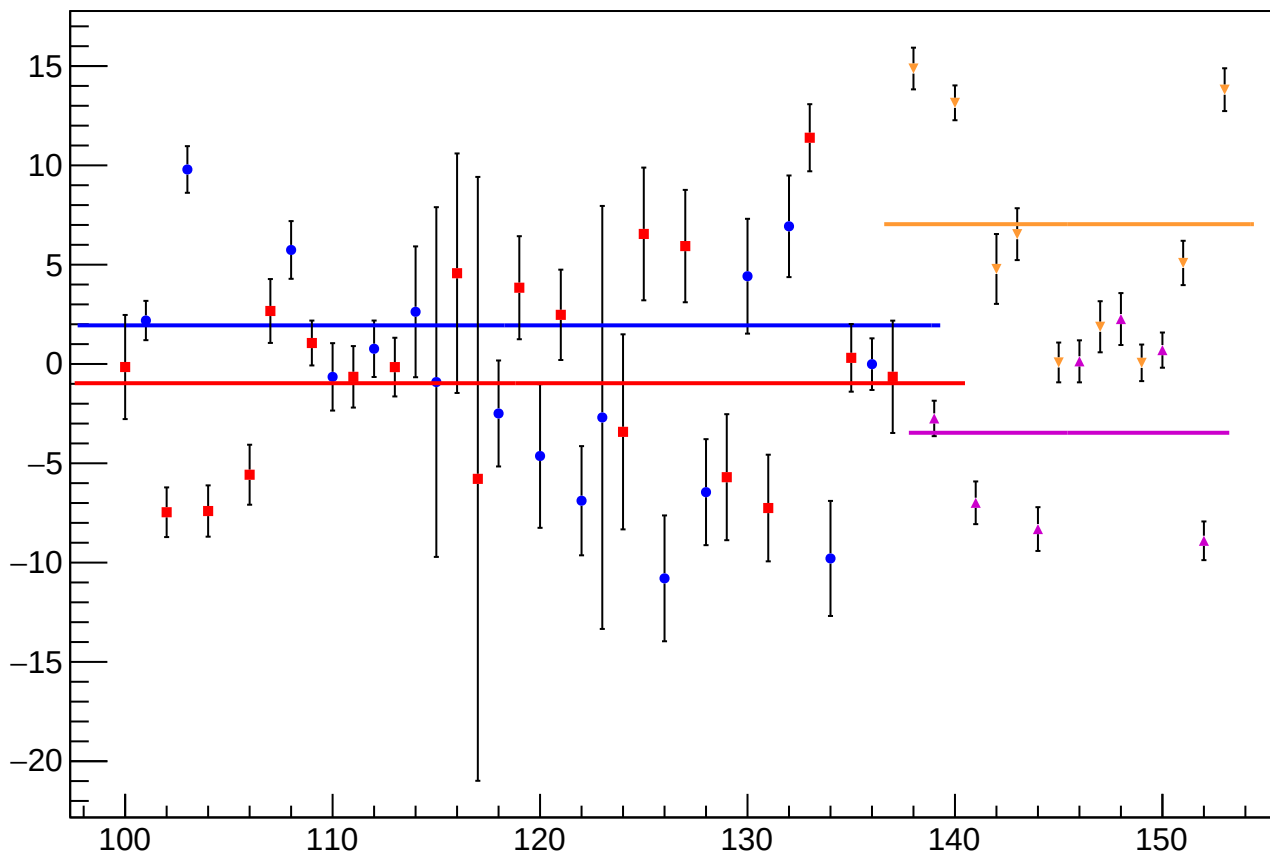
Left In: -57.262 $\pm$ 0.285 χ^2 /NDF: 564.9/6

58.931 $\pm$ 0.183 χ^2 /NDF: 1444.1/25

1.292 $\pm$ 0.131 χ^2 /NDF: 204527.8/52

-58.506 $\pm$ 0.187 χ^2 /NDF: 1924.7/26

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 7.039 ± 0.364 χ^2/NDF : 270.5/8

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

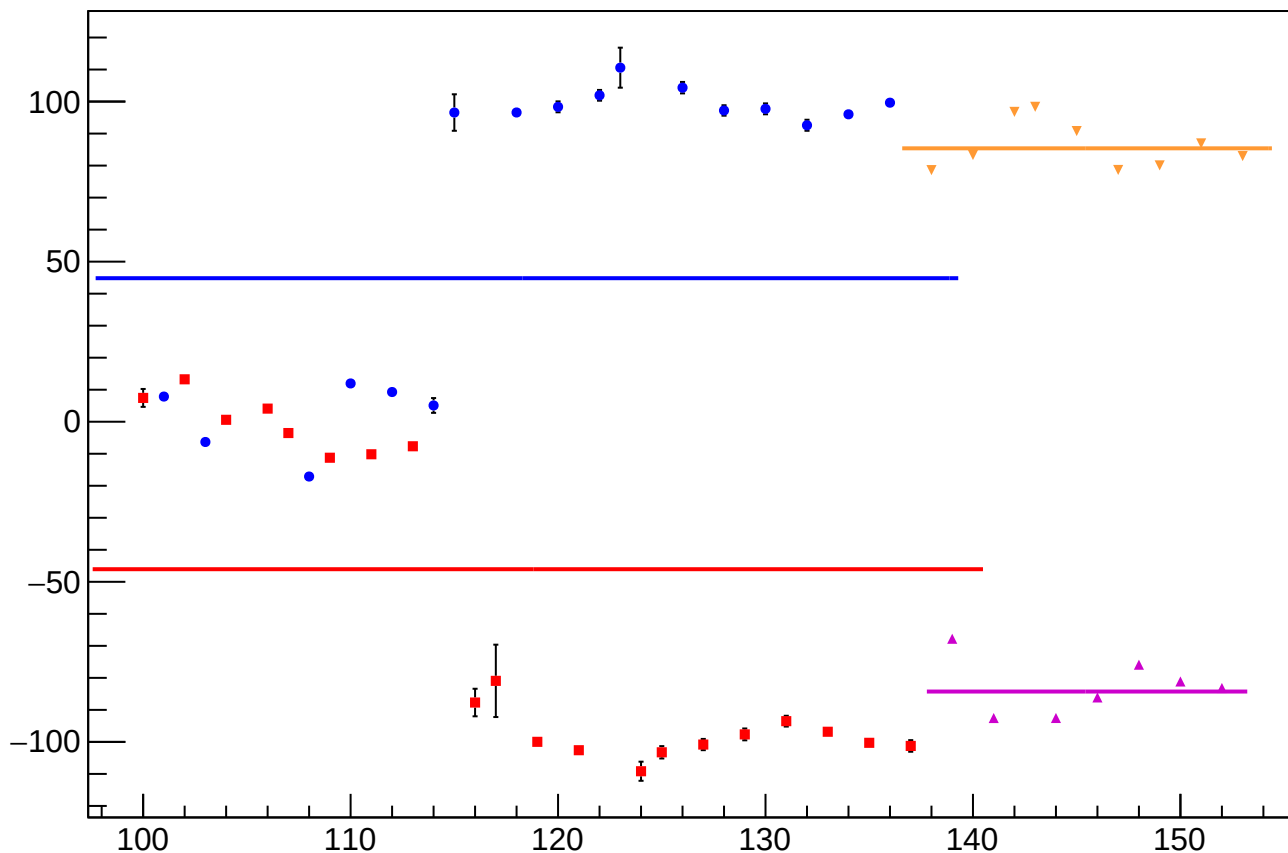
Left In: -3.464 ± 0.385 χ^2/NDF : 114.7/6

5.074 ± 0.285 χ^2/NDF : 466.8/25

1.370 ± 0.202 χ^2/NDF : 1088.1/52

-2.337 ± 0.285 χ^2/NDF : 283.3/26

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 ± 0.305 $\chi^2/\text{NDF}: 24763.1/16$

Left Out: 85.391 ± 0.310 $\chi^2/\text{NDF}: 434.0/8$

Right Out: -46.062 ± 0.289 $\chi^2/\text{NDF}: 28272.9/19$

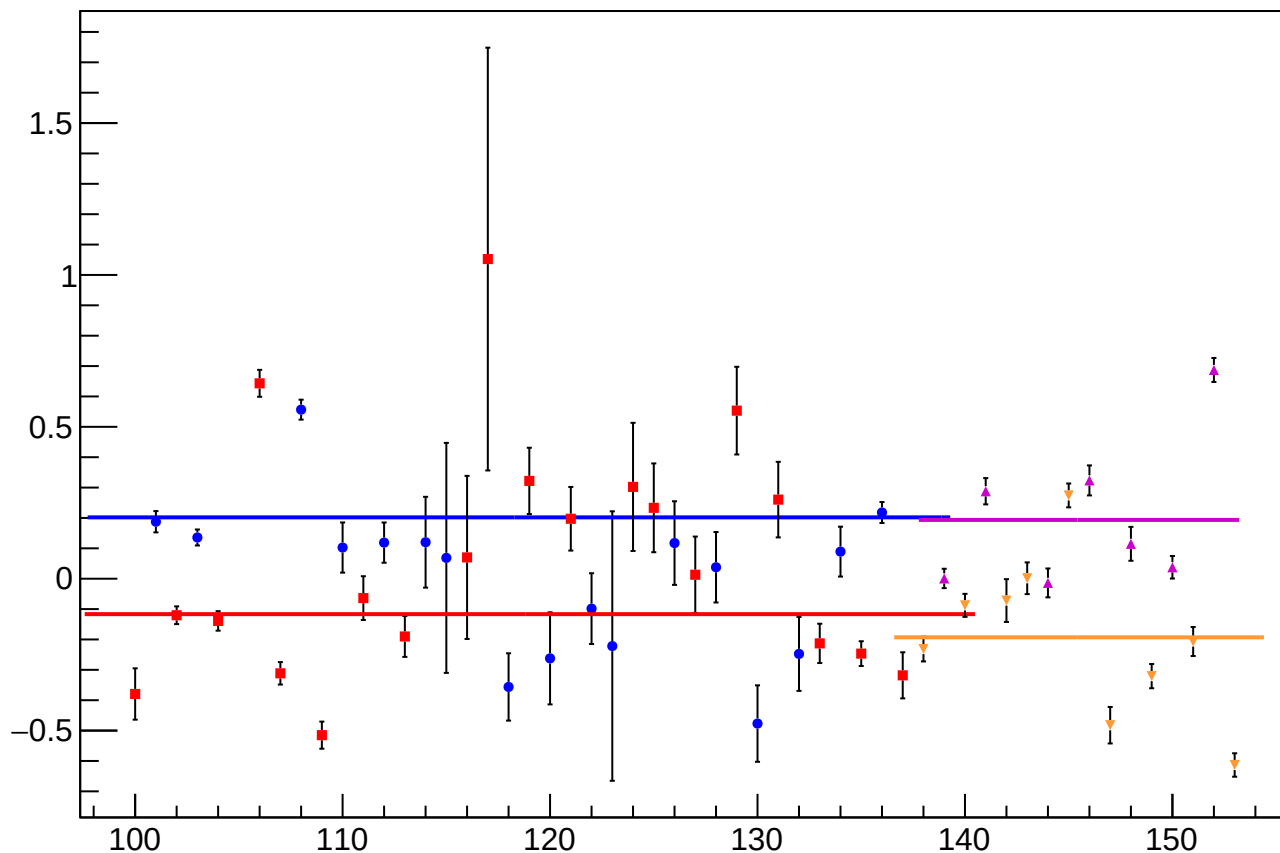
Left In: -84.272 ± 0.342 $\chi^2/\text{NDF}: 410.6/6$

64.756 ± 0.217 $\chi^2/\text{NDF}: 33905.5/25$

2.452 ± 0.155 $\chi^2/\text{NDF}: 237103.9/52$

-61.989 ± 0.221 $\chi^2/\text{NDF}: 35950.7/26$

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.193 ± 0.015 χ^2/NDF : 319.5/8

Right Out: -0.117 ± 0.013 χ^2/NDF : 502.5/19

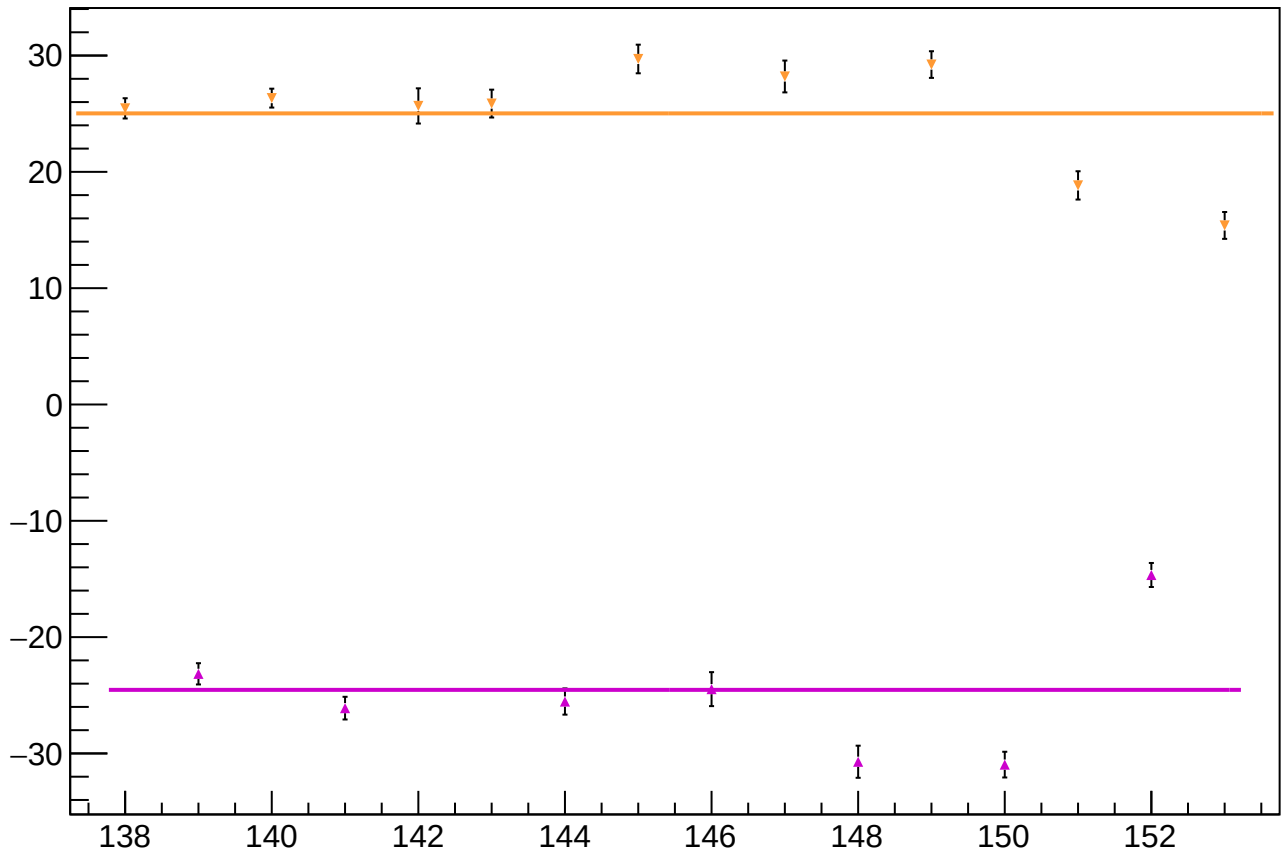
Left In: 0.194 ± 0.016 χ^2/NDF : 243.2/6

0.015 ± 0.010 χ^2/NDF : 908.4/25

0.013 ± 0.007 χ^2/NDF : 1885.6/52

0.010 ± 0.010 χ^2/NDF : 977.0/26

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 25.027+/-0.369 χ^2/NDF : 132.3/8

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

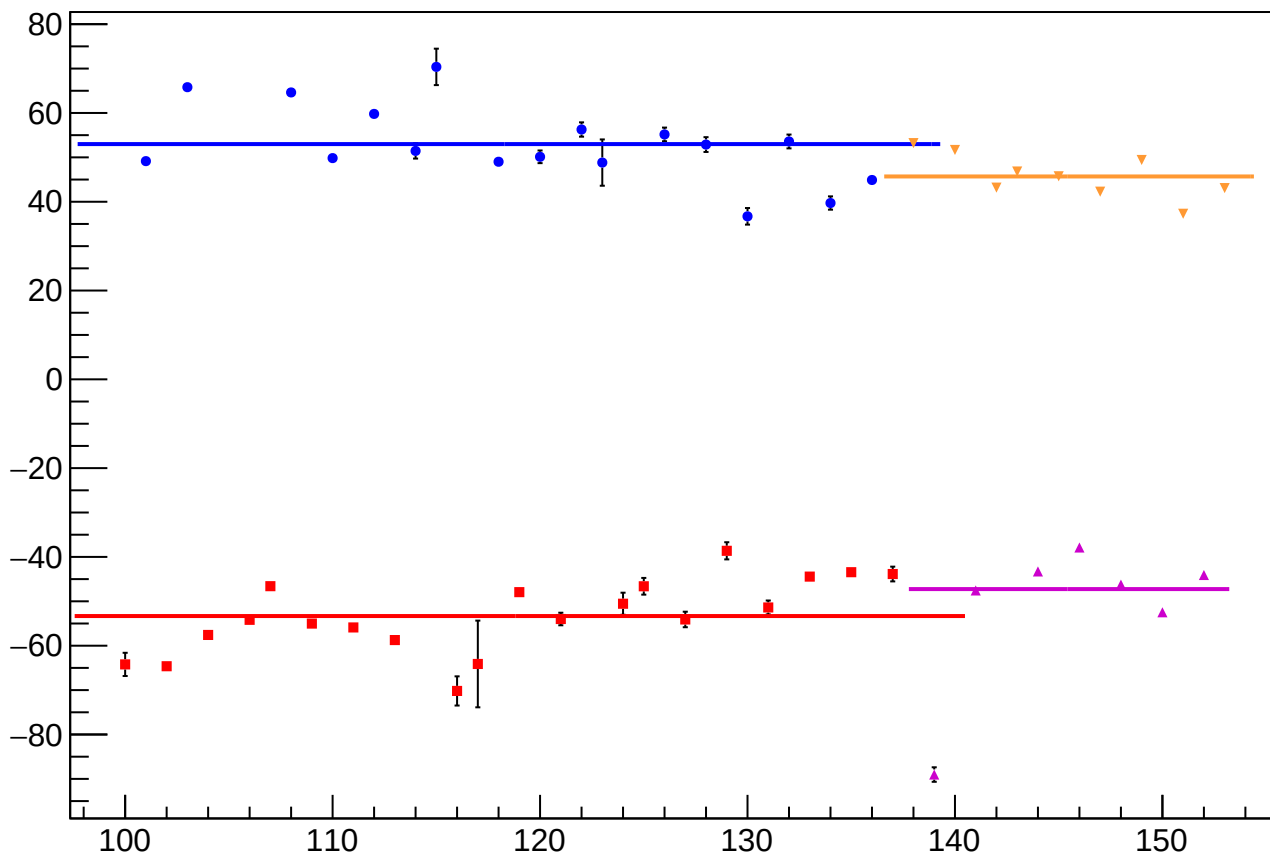
Left In: -24.534+/-0.416 χ^2/NDF : 150.9/6

25.027+/-0.369 χ^2/NDF : 132.3/8

3.199+/-0.276 χ^2/NDF : 8233.6/15

-24.534+/-0.416 χ^2/NDF : 150.9/6

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: 45.697 ± 0.261 $\chi^2/\text{NDF}: 356.1/8$

Right Out: -53.320 ± 0.227 $\chi^2/\text{NDF}: 876.8/19$

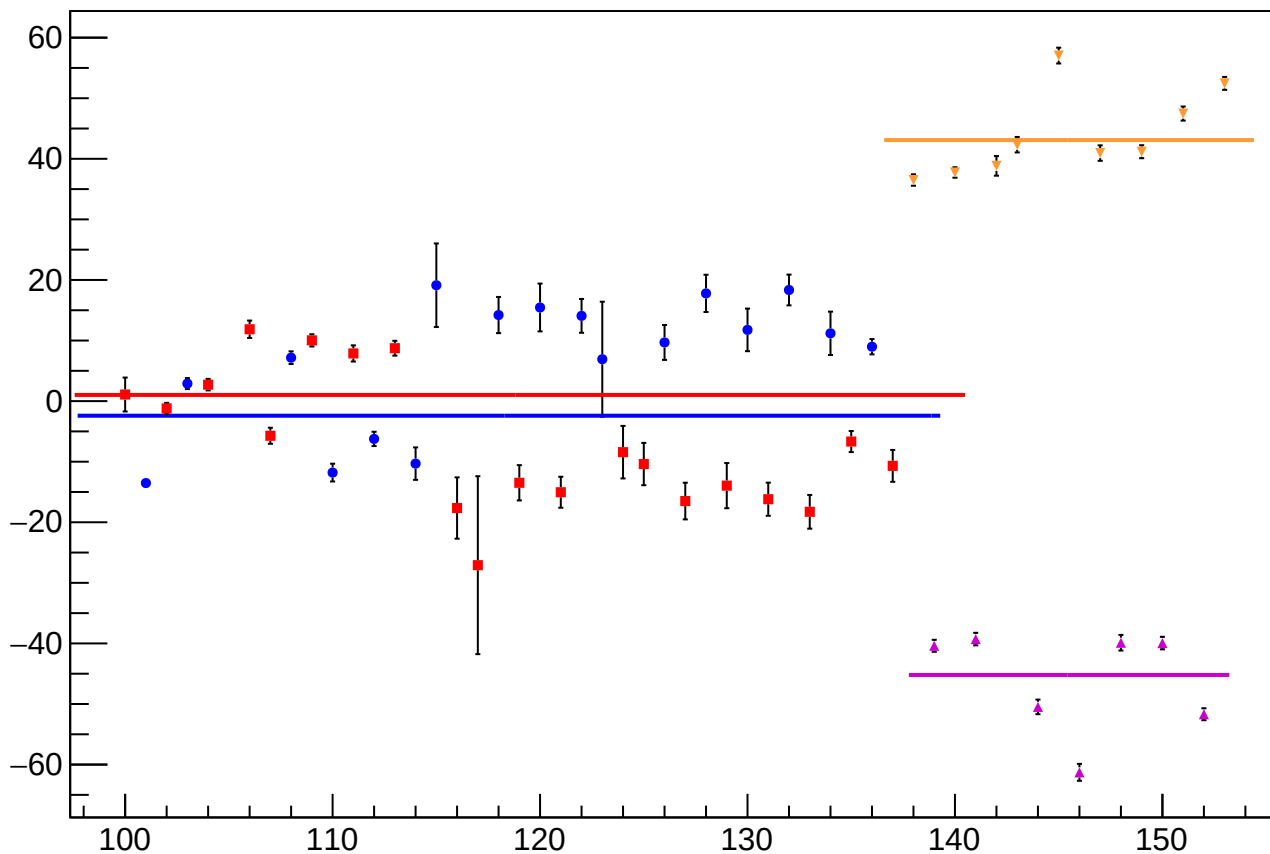
Left In: -47.246 ± 0.303 $\chi^2/\text{NDF}: 858.0/6$

50.112 ± 0.164 $\chi^2/\text{NDF}: 2026.0/25$

4.592 ± 0.122 $\chi^2/\text{NDF}: 175194.7/52$

-51.144 ± 0.182 $\chi^2/\text{NDF}: 1992.1/26$

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 43.089 ± 0.375 χ^2/NDF : 304.9/8

Right Out: 1.021 ± 0.377 χ^2/NDF : 511.2/19

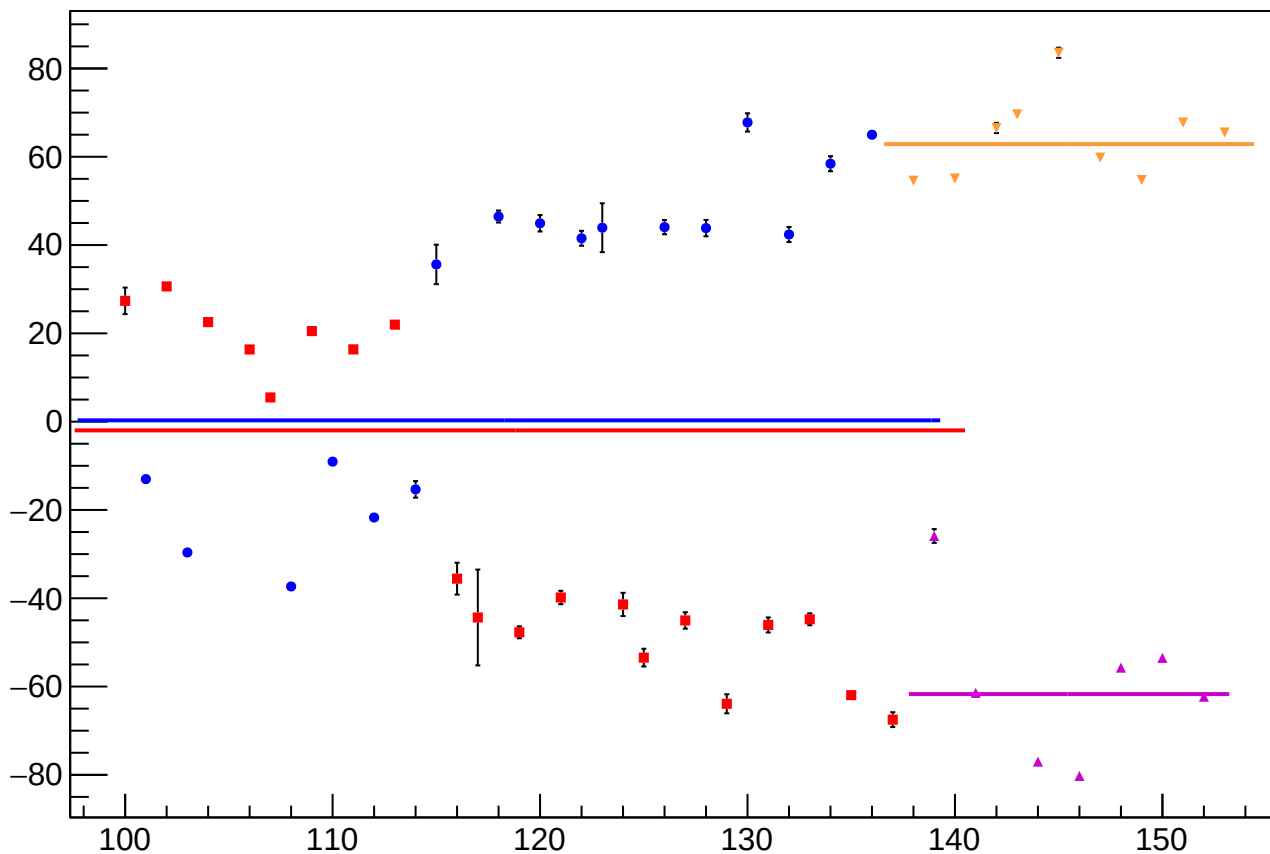
Left In: -45.208 ± 0.419 χ^2/NDF : 294.0/6

19.711 ± 0.261 χ^2/NDF : 8722.1/25

1.395 ± 0.191 χ^2/NDF : 26841.8/52

-19.678 ± 0.280 χ^2/NDF : 7540.3/26

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 62.874 ± 0.318 χ^2/NDF : 666.0/8

Right Out: -1.978 ± 0.267 χ^2/NDF : 15465.9/19

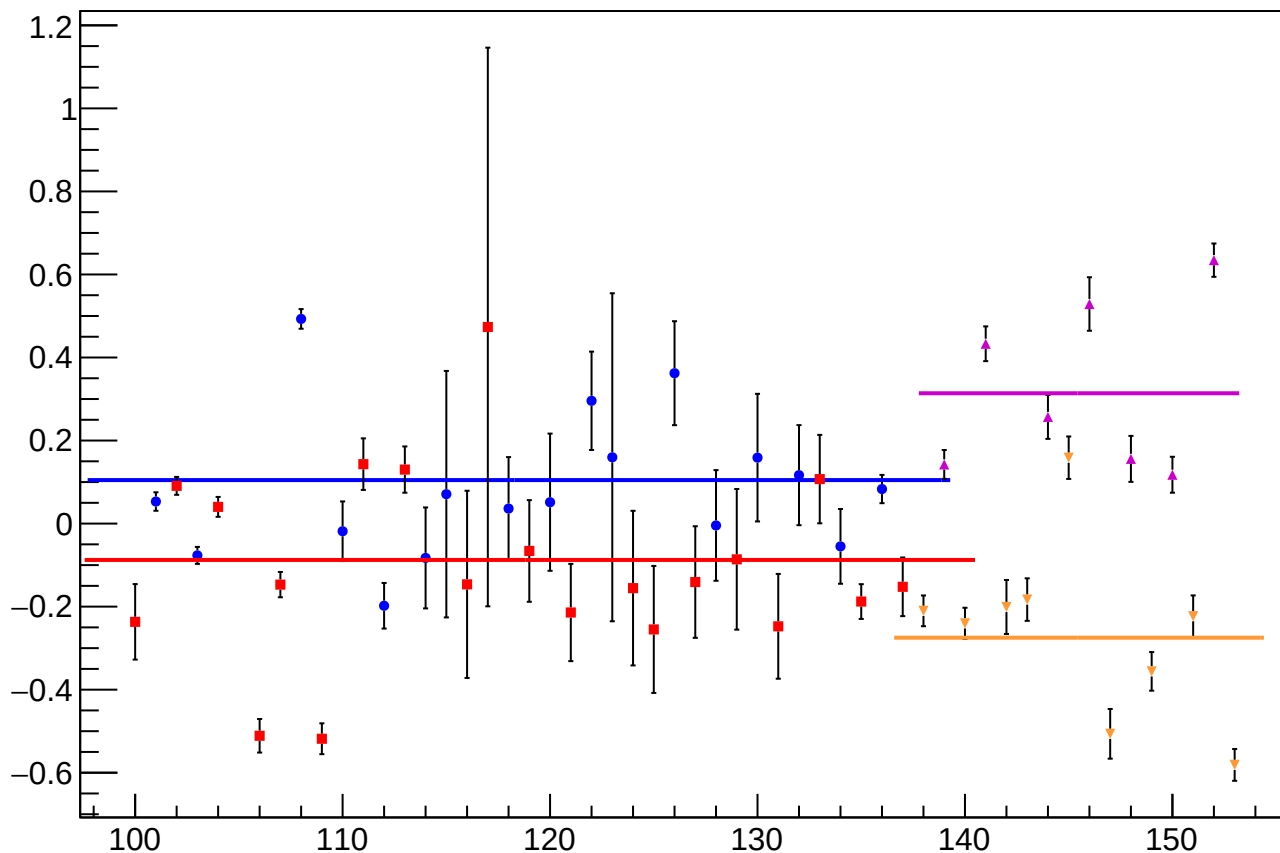
Left In: -61.707 ± 0.368 χ^2/NDF : 1184.7/6

23.894 ± 0.195 χ^2/NDF : 43042.8/25

3.002 ± 0.145 χ^2/NDF : 102406.4/52

-22.530 ± 0.216 χ^2/NDF : 33928.5/26

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.275 ± 0.015 χ^2/NDF : 163.3/8

Right Out: -0.088 ± 0.011 χ^2/NDF : 391.6/19

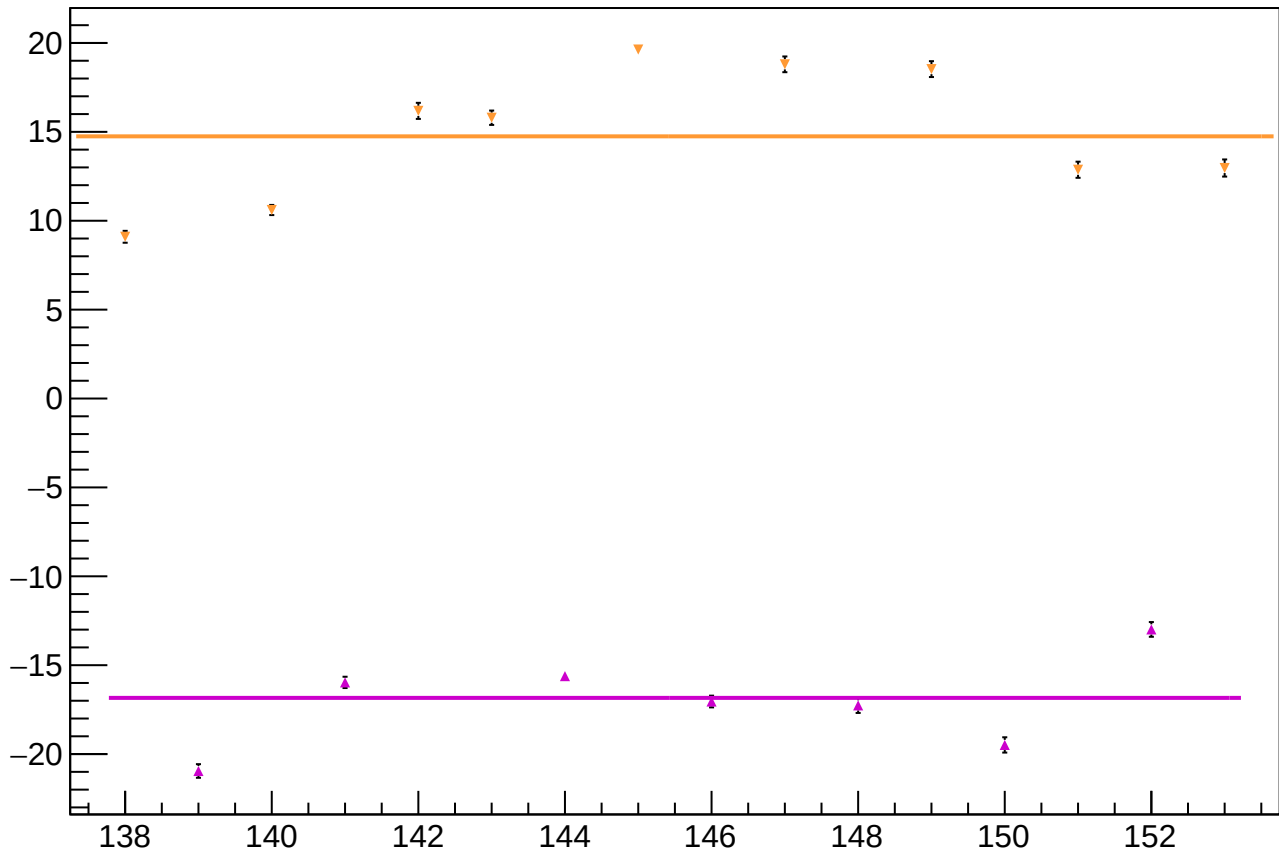
Left In: 0.314 ± 0.017 χ^2/NDF : 137.3/6

-0.025 ± 0.009 χ^2/NDF : 968.2/25

0.002 ± 0.006 χ^2/NDF : 1910.9/52

0.032 ± 0.009 χ^2/NDF : 923.4/26

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.747+/-0.124 χ^2/NDF : 1016.7/8

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

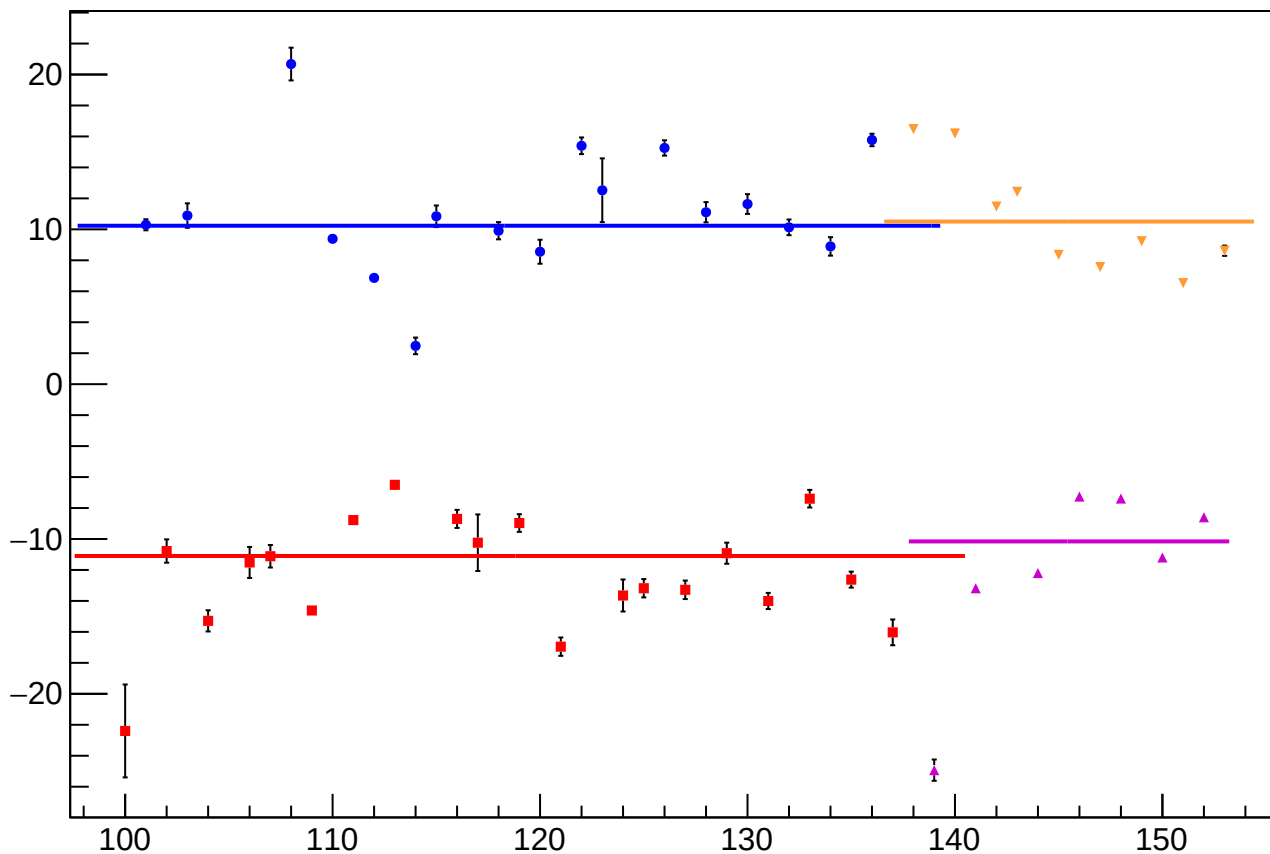
Left In: -16.839+/-0.135 χ^2/NDF : 266.9/6

14.747+/-0.124 χ^2/NDF : 1016.7/8

0.233+/-0.091 χ^2/NDF : 31012.2/15

-16.839+/-0.135 χ^2/NDF : 266.9/6

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.503 ± 0.087 χ^2/NDF : 1578.0/8

Right Out: -11.096 ± 0.116 χ^2/NDF : 818.0/19

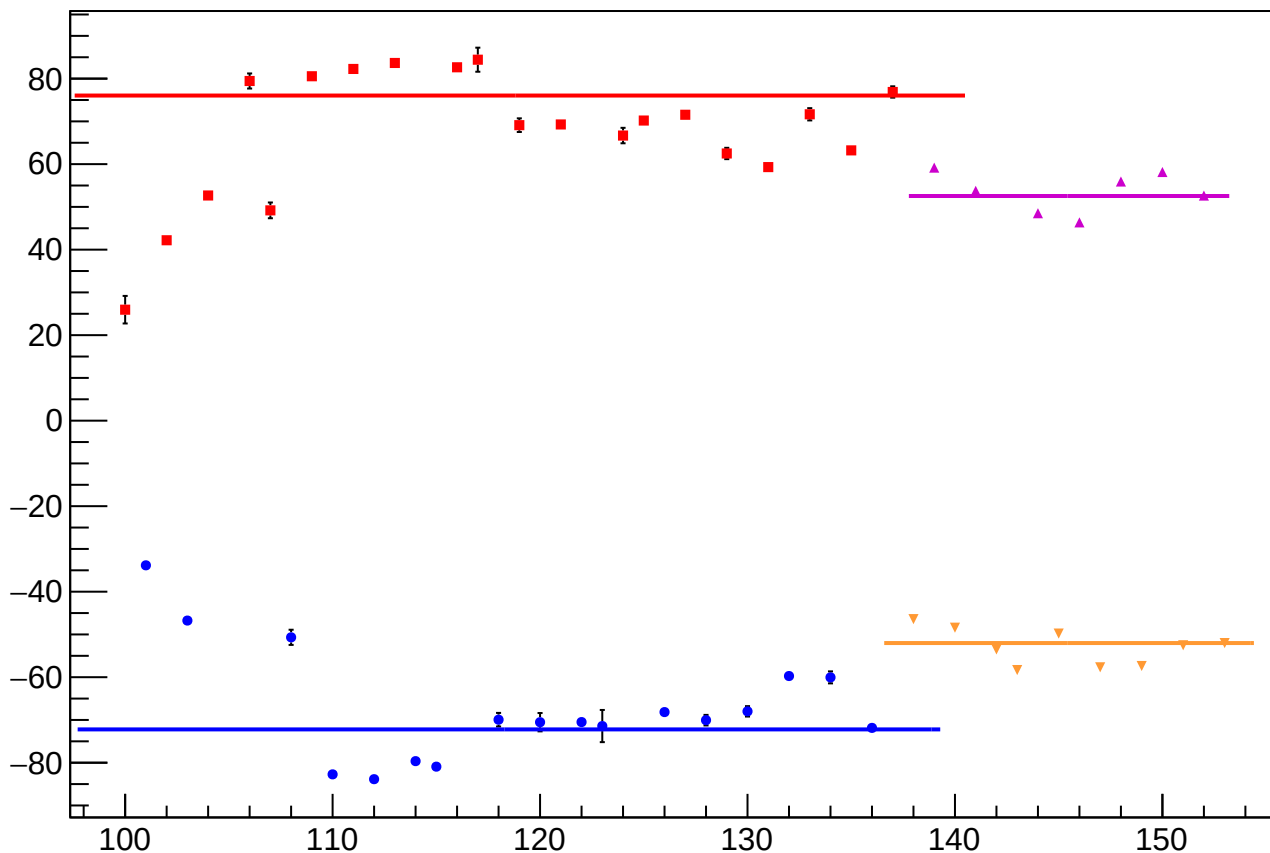
Left In: -10.156 ± 0.092 χ^2/NDF : 1173.2/6

10.409 ± 0.070 χ^2/NDF : 2458.1/25

0.254 ± 0.050 χ^2/NDF : 47655.2/52

-10.520 ± 0.072 χ^2/NDF : 2031.4/26

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -52.012 ± 0.127 $\chi^2/\text{NDF}: 1015.5/8$

Right Out: 76.044 ± 0.181 $\chi^2/\text{NDF}: 3472.2/19$

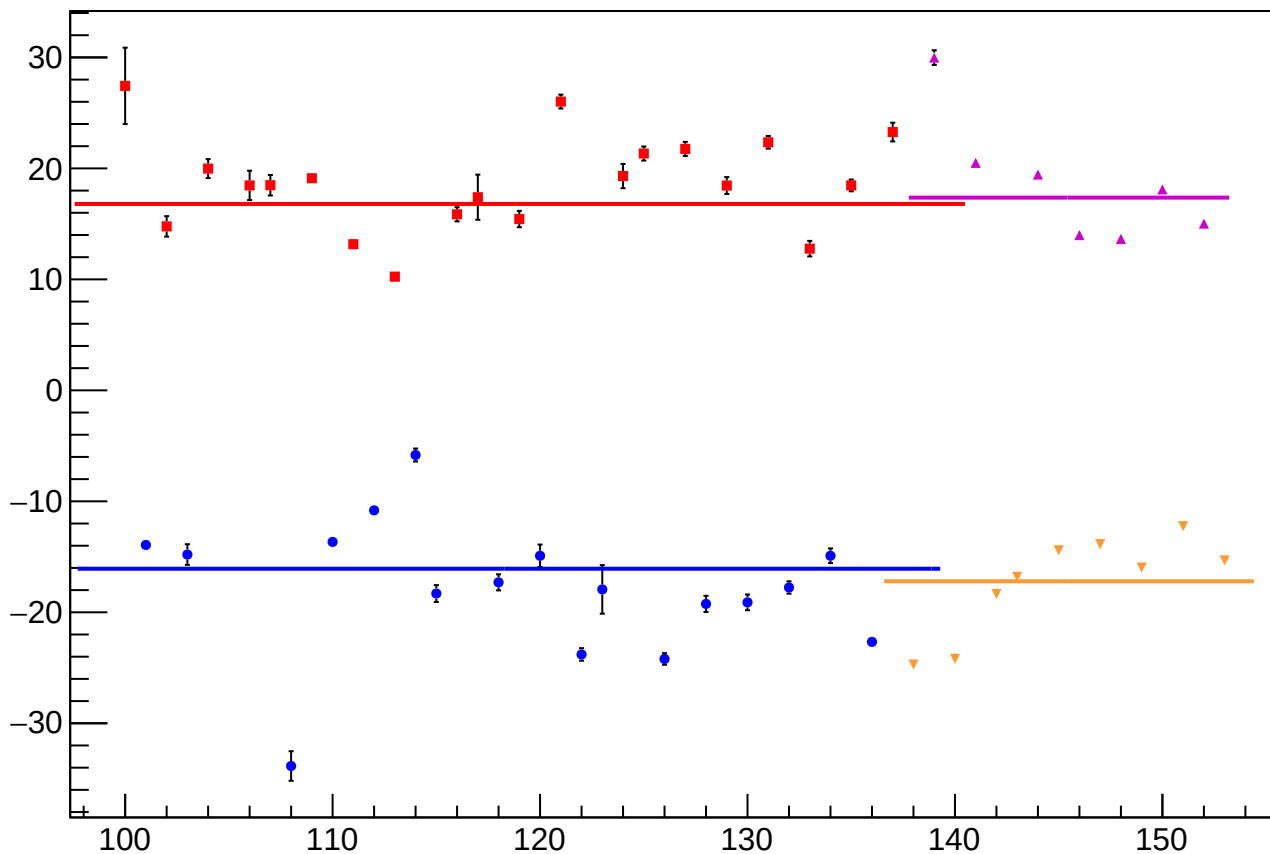
Left In: 52.547 ± 0.136 $\chi^2/\text{NDF}: 1091.2/6$

-57.922 ± 0.107 $\chi^2/\text{NDF}: 13944.7/25$

0.760 ± 0.076 $\chi^2/\text{NDF}: 637960.9/52$

61.032 ± 0.109 $\chi^2/\text{NDF}: 15376.7/26$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.204 ± 0.106 χ^2/NDF : 1543.4/8

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

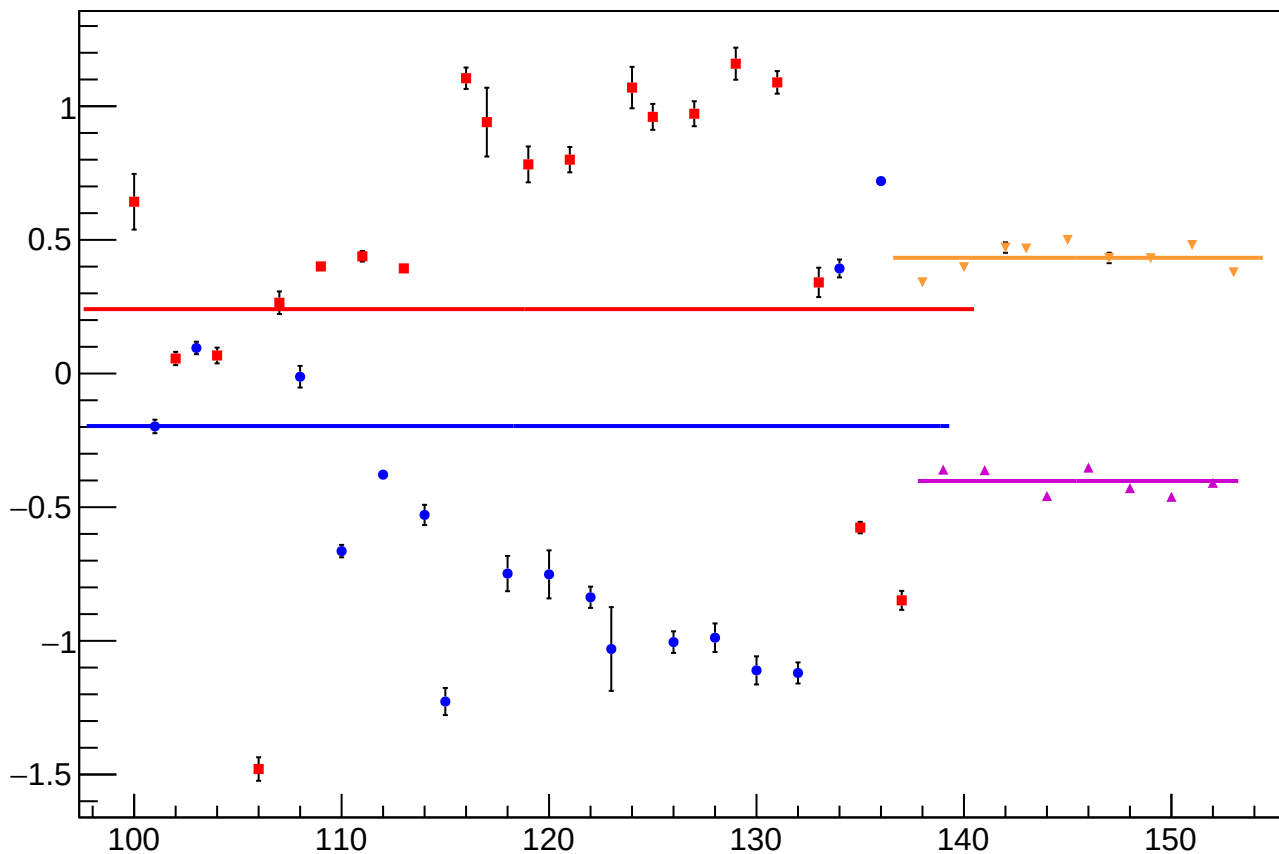
Left In: 17.366 ± 0.114 χ^2/NDF : 959.8/6

-16.762 ± 0.083 χ^2/NDF : 3228.3/25

-0.277 ± 0.059 χ^2/NDF : 86836.1/52

17.115 ± 0.085 χ^2/NDF : 2186.9/26

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.433 ± 0.005 χ^2/NDF : 107.7/8

Right Out: 0.241 ± 0.007 χ^2/NDF : 6218.3/19

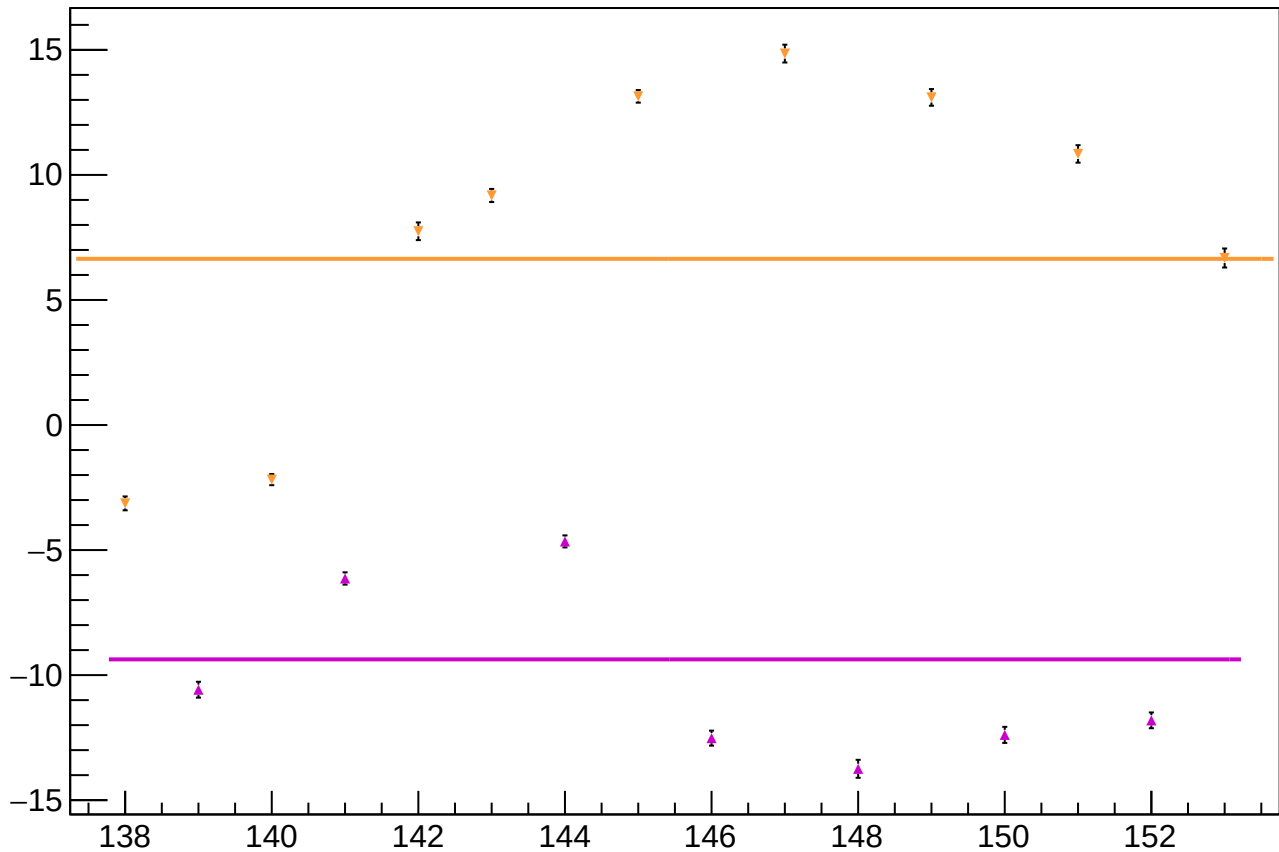
Left In: -0.402 ± 0.006 χ^2/NDF : 62.2/6

0.229 ± 0.004 χ^2/NDF : 11130.1/25

0.043 ± 0.003 χ^2/NDF : 26215.2/52

-0.155 ± 0.004 χ^2/NDF : 11233.7/26

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 6.645 $\pm$ 0.098 χ^2 /NDF: 4627.2/8

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

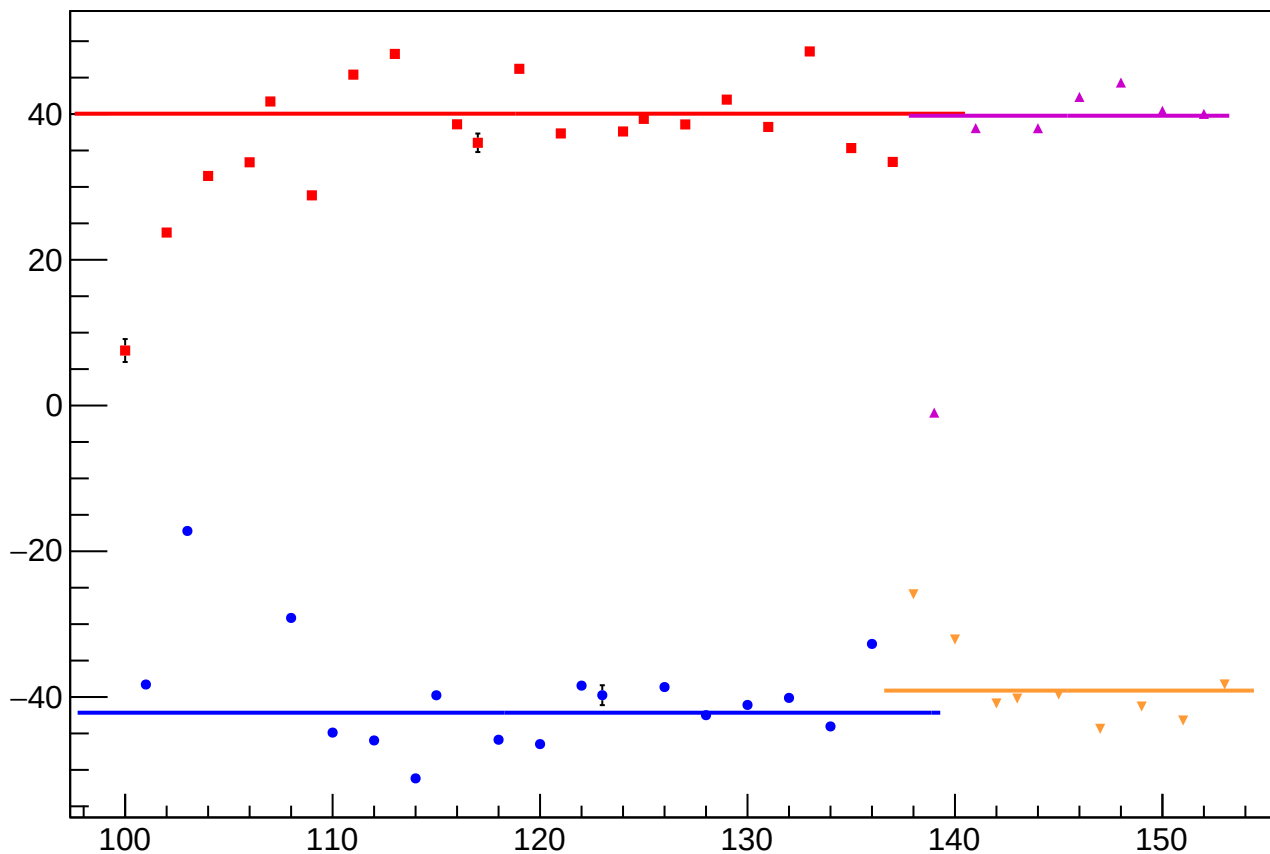
Left In: -9.371 $\pm$ 0.110 χ^2 /NDF: 976.5/6

6.645 $\pm$ 0.098 χ^2 /NDF: 4627.2/8

-0.451 $\pm$ 0.073 χ^2 /NDF: 17350.7/15

-9.371 $\pm$ 0.110 χ^2 /NDF: 976.5/6

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -39.119 ± 0.068 χ^2/NDF : 5481.5/8

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

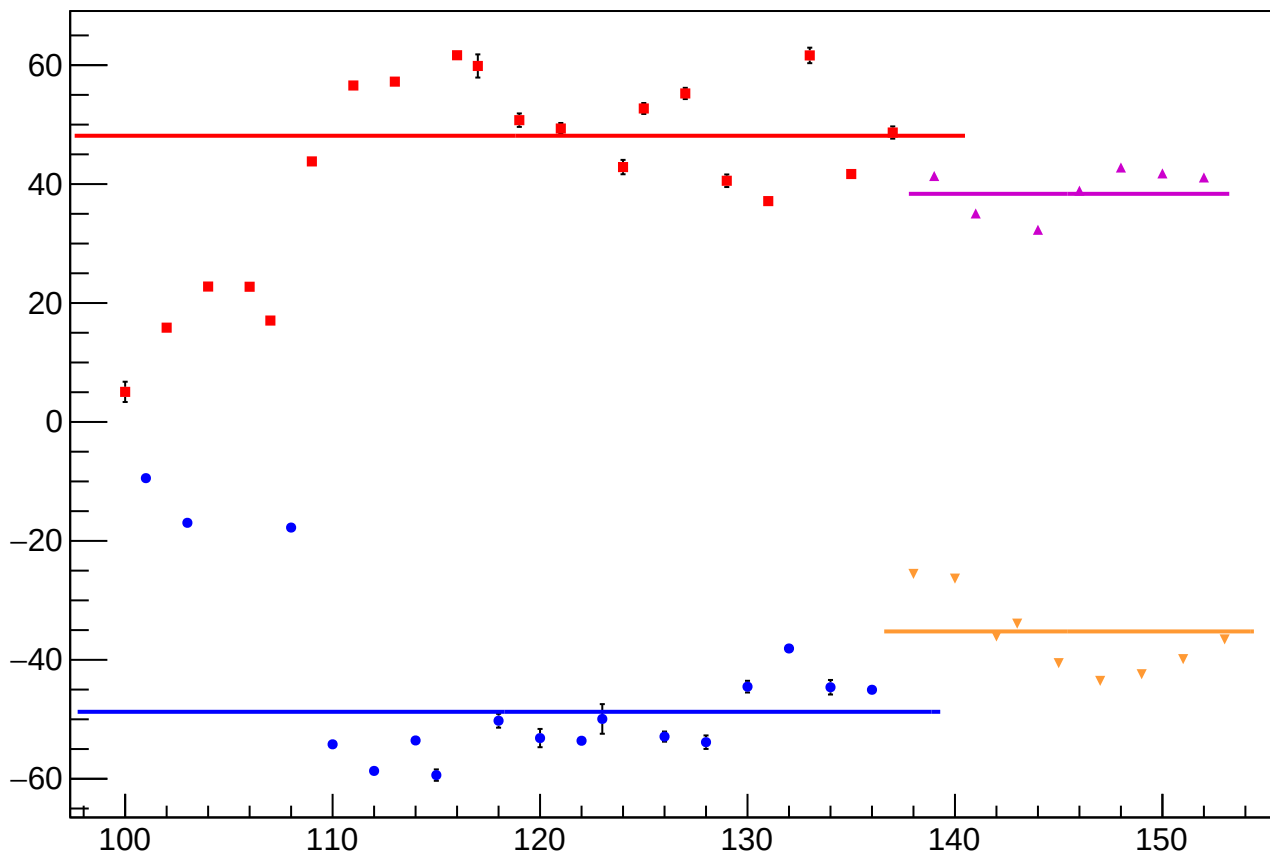
Left In: 39.770 ± 0.077 χ^2/NDF : 6232.8/6

-40.437 ± 0.051 χ^2/NDF : 12894.6/25

-1.284 ± 0.037 χ^2/NDF : 1220070.3/52

39.917 ± 0.053 χ^2/NDF : 17571.9/26

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -35.224 ± 0.101 χ^2/NDF : 4223.6/8

Right Out: 48.127 ± 0.107 χ^2/NDF : 11769.6/19

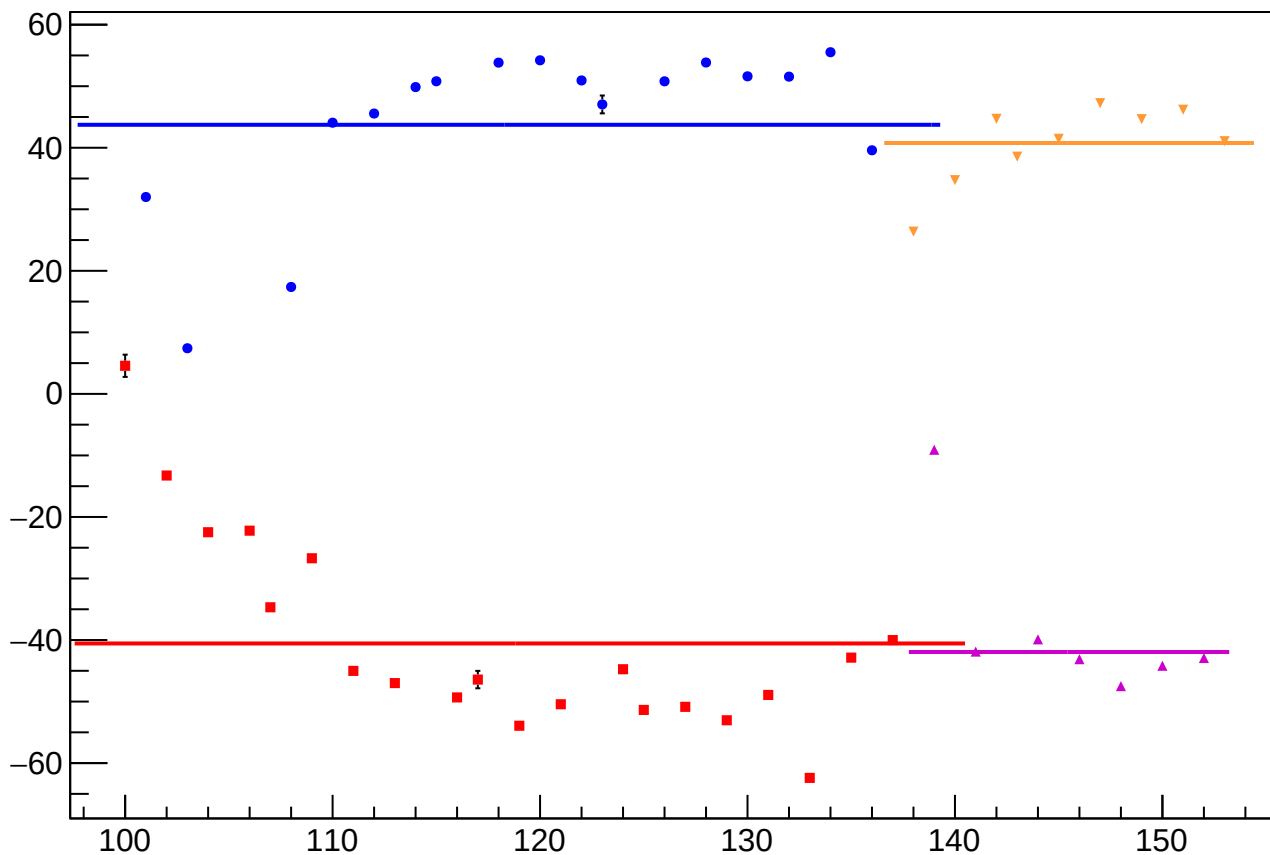
Left In: 38.361 ± 0.111 χ^2/NDF : 1173.5/6

-40.560 ± 0.078 χ^2/NDF : 26003.2/25

2.067 ± 0.055 χ^2/NDF : 627188.7/52

43.425 ± 0.077 χ^2/NDF : 16948.6/26

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.772 $\pm$ 0.084 χ^2/NDF : 4646.5/8

Right Out: -40.556 $\pm$ 0.080 χ^2/NDF : 17618.6/19

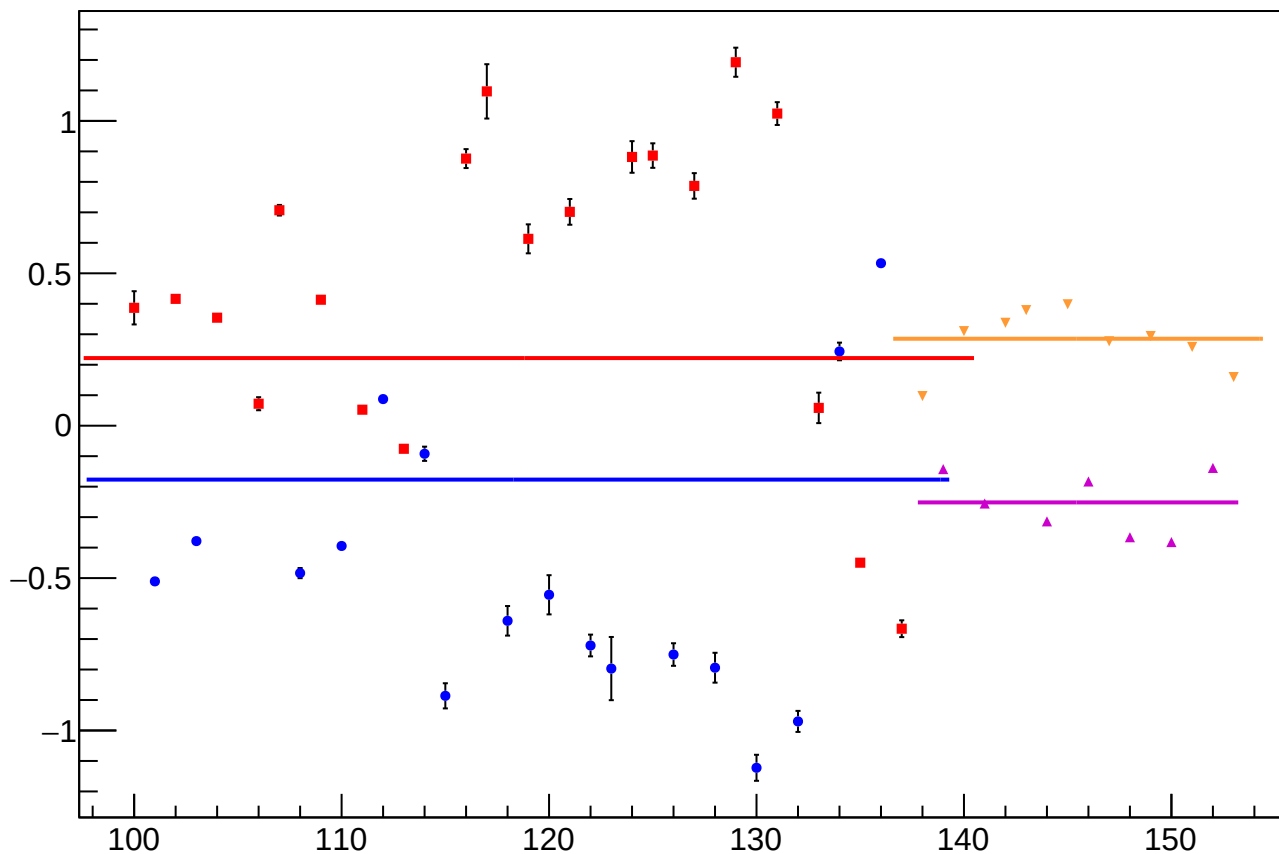
Left In: -41.942 $\pm$ 0.094 χ^2/NDF : 4363.5/6

42.195 $\pm$ 0.060 χ^2/NDF : 15816.6/25

1.004 $\pm$ 0.043 χ^2/NDF : 984397.3/52

-41.140 $\pm$ 0.061 χ^2/NDF : 22108.2/26

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.285 ± 0.004 χ^2/NDF : 554.6/8

Right Out: 0.222 ± 0.004 χ^2/NDF : 7527.0/19

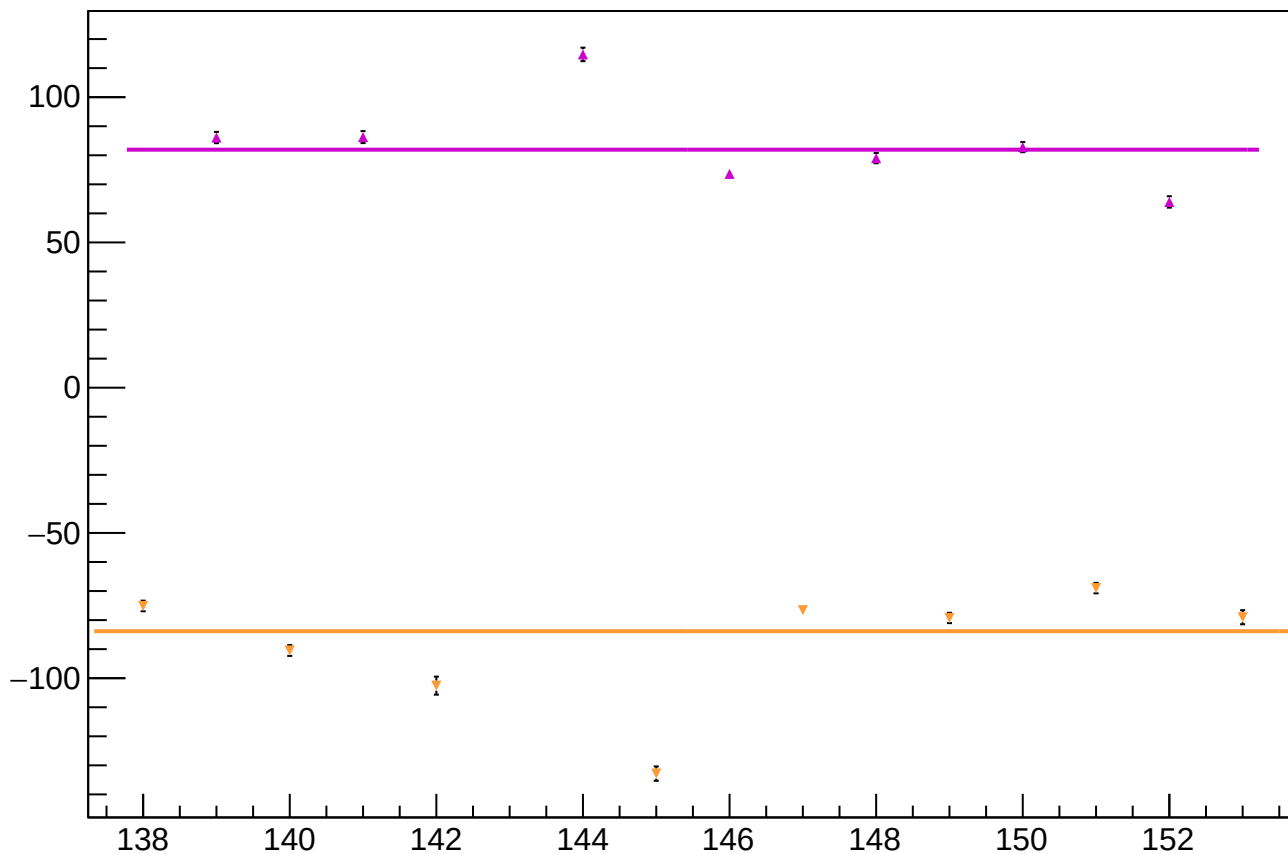
Left In: -0.252 ± 0.005 χ^2/NDF : 393.0/6

0.090 ± 0.003 χ^2/NDF : 13185.9/25

0.046 ± 0.002 χ^2/NDF : 27139.3/52

0.002 ± 0.003 χ^2/NDF : 13560.2/26

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -83.827+/-0.710 χ^2/NDF : 559.3/7

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

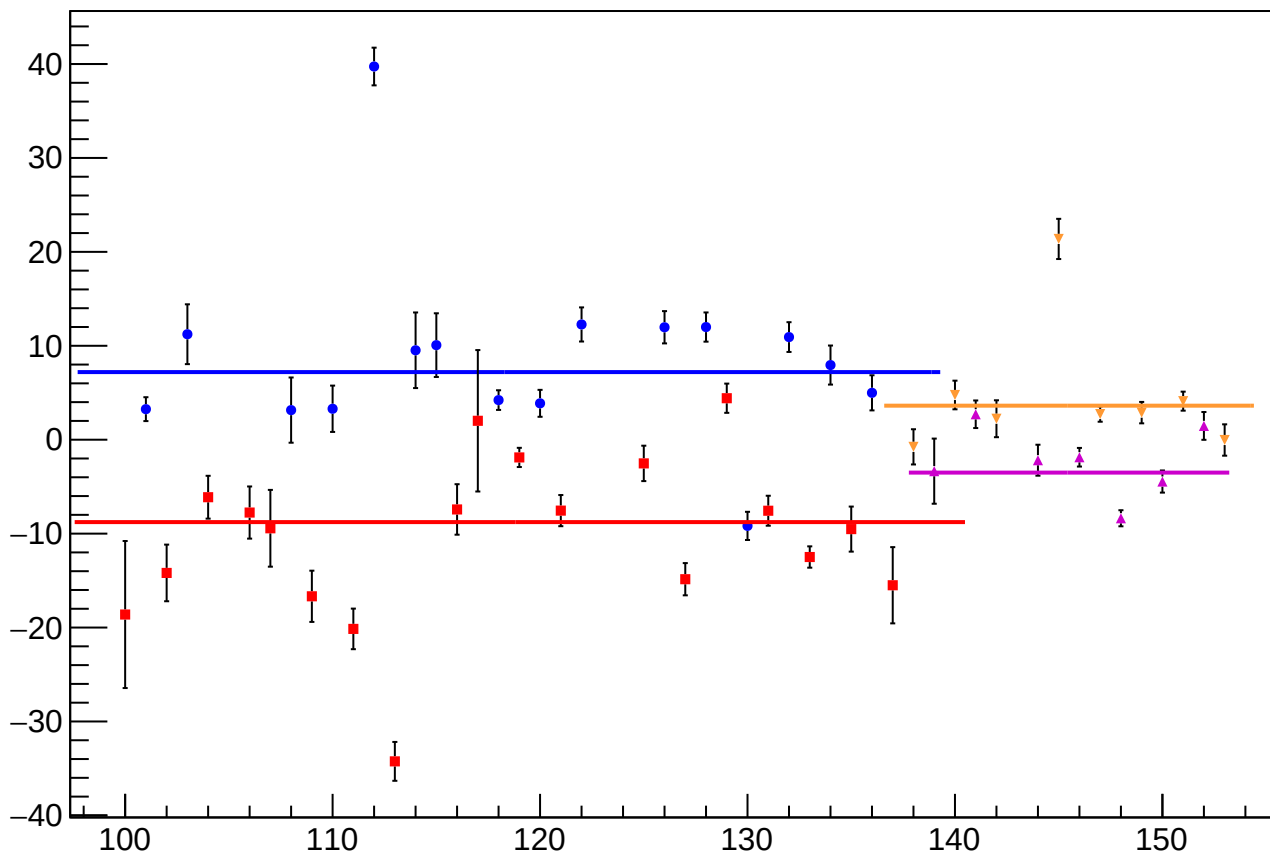
Left In: 81.929+/-0.717 χ^2/NDF : 320.7/6

-83.827+/-0.710 χ^2/NDF : 559.3/7

-1.832+/-0.504 χ^2/NDF : 27871.0/14

81.929+/-0.717 χ^2/NDF : 320.7/6

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 3.624 ± 0.456 χ^2/NDF : 82.0/7

Right Out: -8.772 ± 0.447 χ^2/NDF : 351.7/18

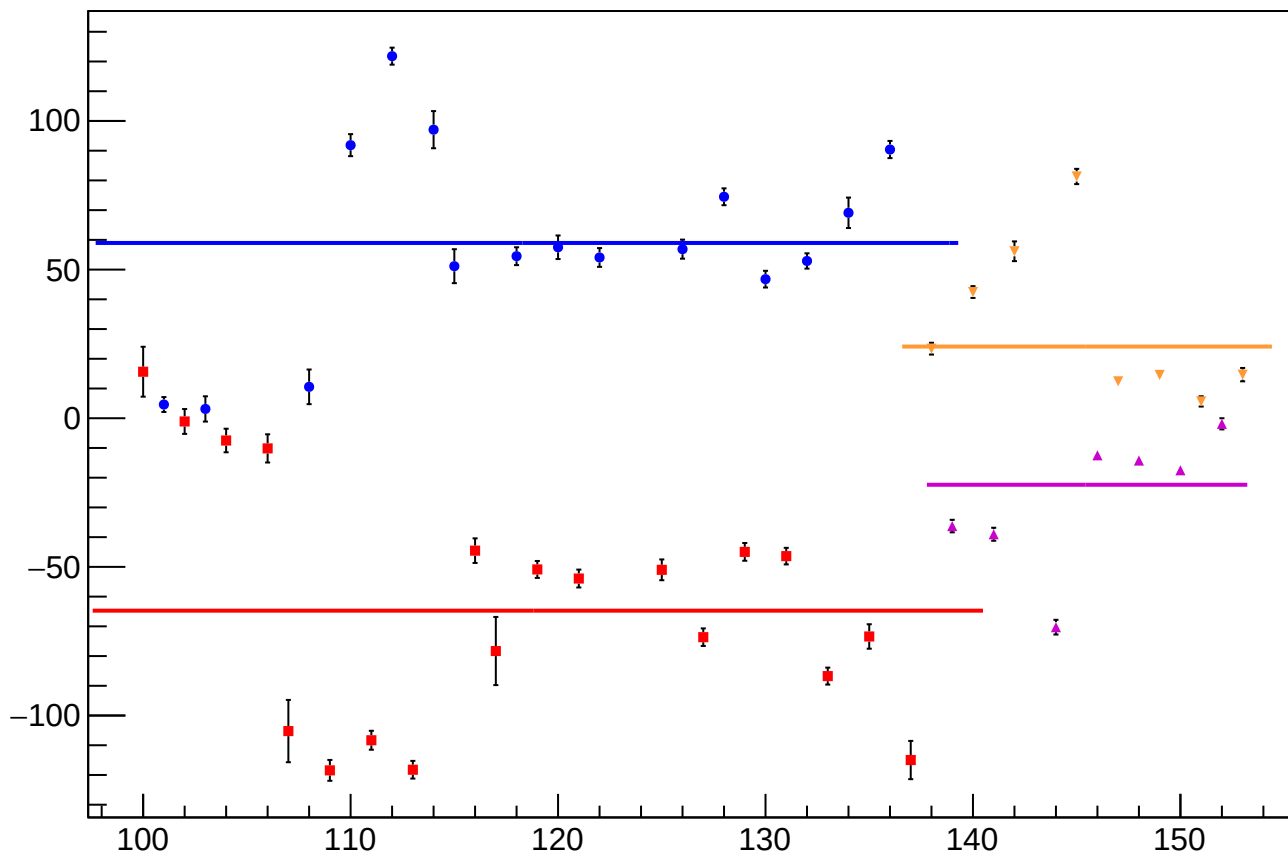
Left In: -3.503 ± 0.473 χ^2/NDF : 65.4/6

5.479 ± 0.317 χ^2/NDF : 557.6/23

-0.252 ± 0.227 χ^2/NDF : 1713.0/49

-6.285 ± 0.325 χ^2/NDF : 482.8/25

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962+/-0.837 χ^2/NDF : 1496.5/15

Left Out: 24.112+/-0.701 χ^2/NDF : 892.5/7

Right Out: -64.728+/-0.838 χ^2/NDF : 1723.2/18

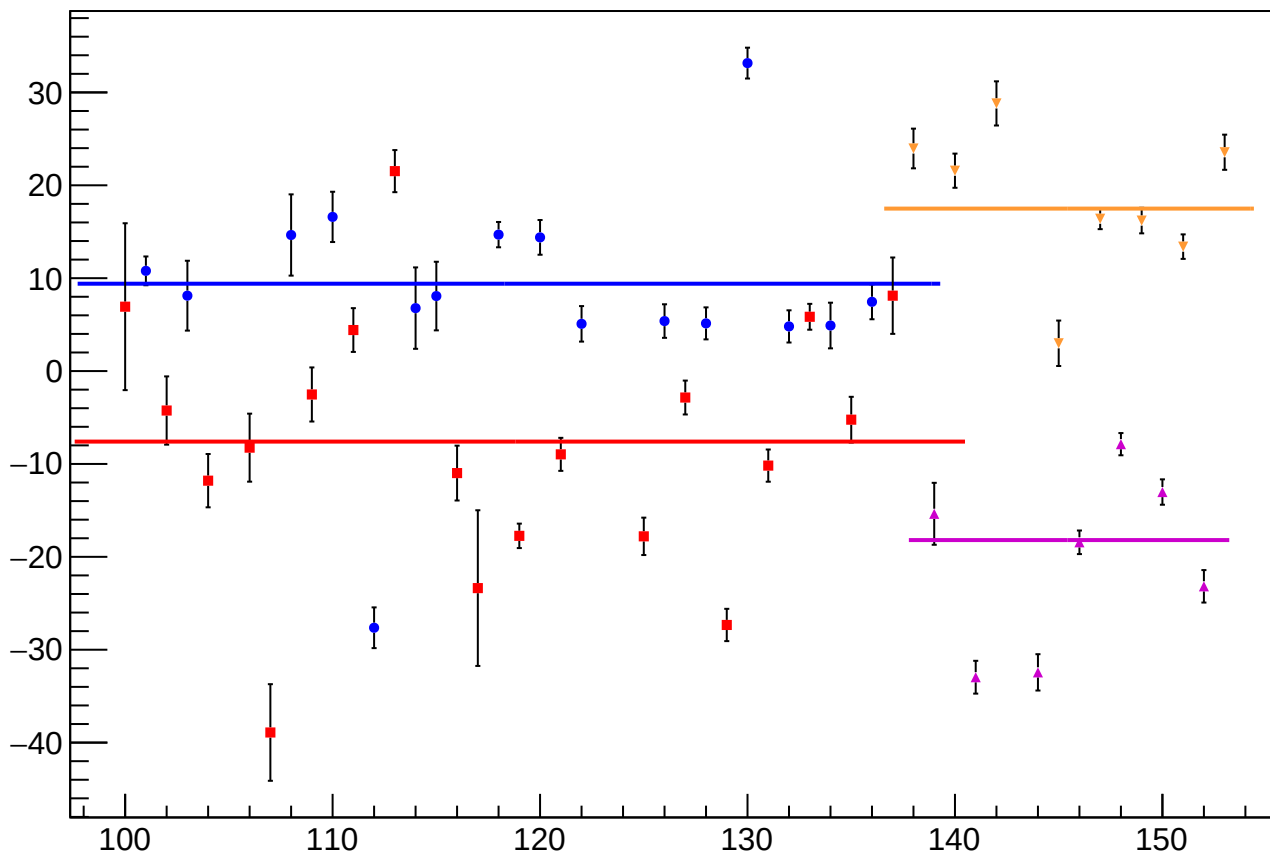
Left In: -22.380+/-0.707 χ^2/NDF : 664.9/6

38.482+/-0.537 χ^2/NDF : 3407.9/23

-0.548+/-0.381 χ^2/NDF : 17892.3/49

-39.992+/-0.540 χ^2/NDF : 3880.5/25

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 17.492 ± 0.574 $\chi^2/\text{NDF}: 93.6/7$

Right Out: -7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

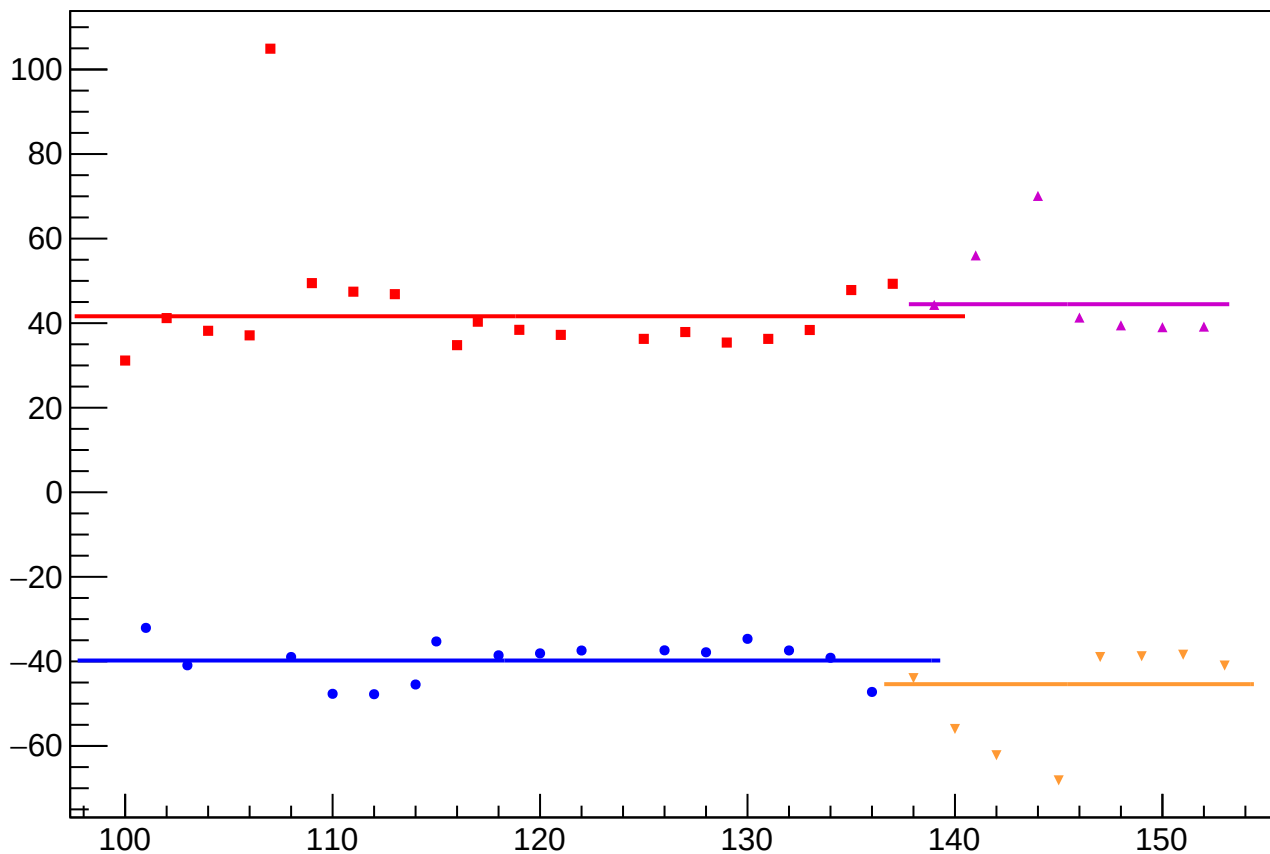
Left In: -18.196 ± 0.592 $\chi^2/\text{NDF}: 220.6/6$

12.945 ± 0.380 $\chi^2/\text{NDF}: 754.6/23$

0.663 ± 0.271 $\chi^2/\text{NDF}: 3866.4/49$

-12.149 ± 0.388 $\chi^2/\text{NDF}: 976.9/25$

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: -45.384 $\pm$ 0.029 χ^2 /NDF:108525.5/7

Right Out: 41.631 $\pm$ 0.031 χ^2 /NDF: 94399.1/18

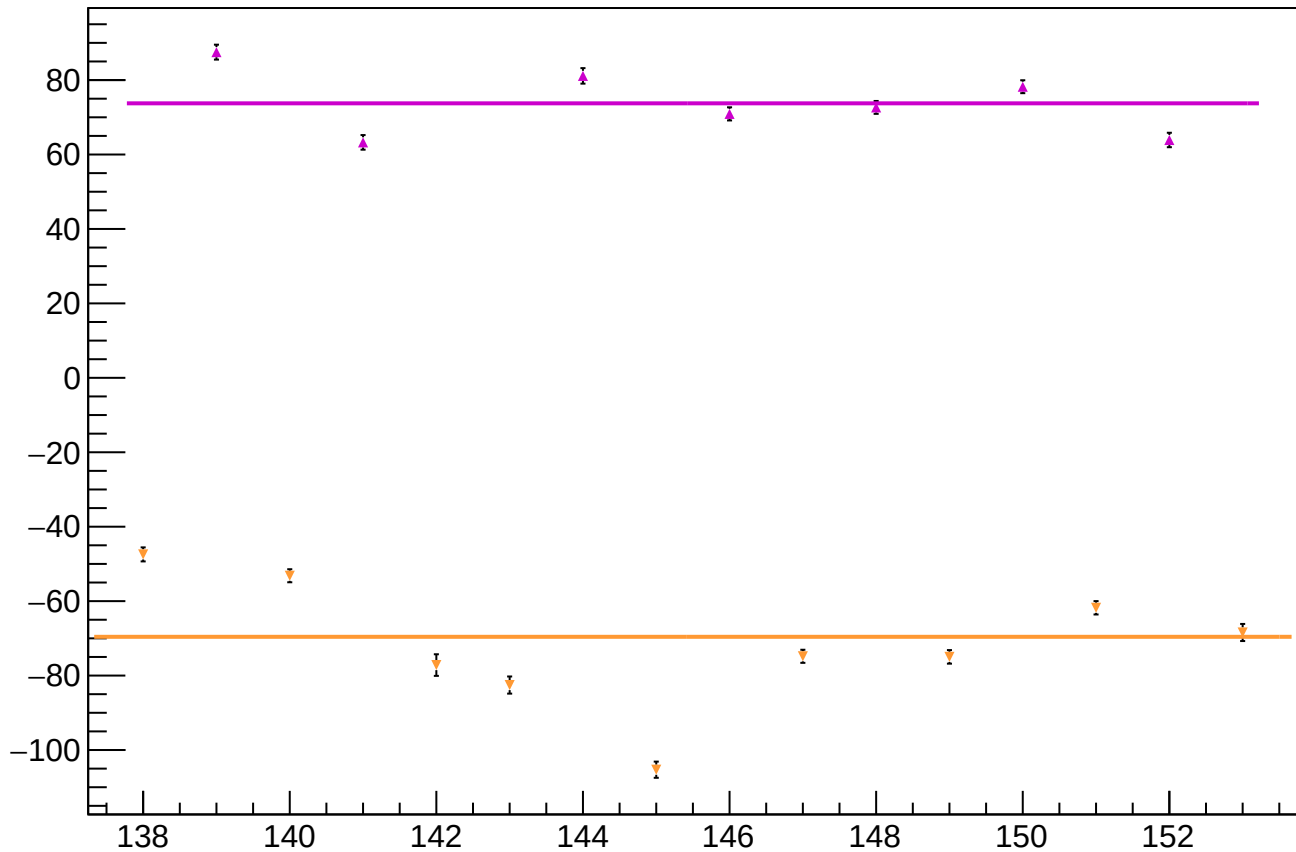
Left In: 44.481 $\pm$ 0.029 χ^2 /NDF:90339.4/6

-42.750 $\pm$ 0.021 χ^2 /NDF: 151635.9/23

0.286 $\pm$ 0.015 χ^2 /NDF: 8389078.8/49

43.138 $\pm$ 0.021 χ^2 /NDF: 189165.5/25

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -69.585+/-0.667 χ^2/NDF : 570.7/8

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

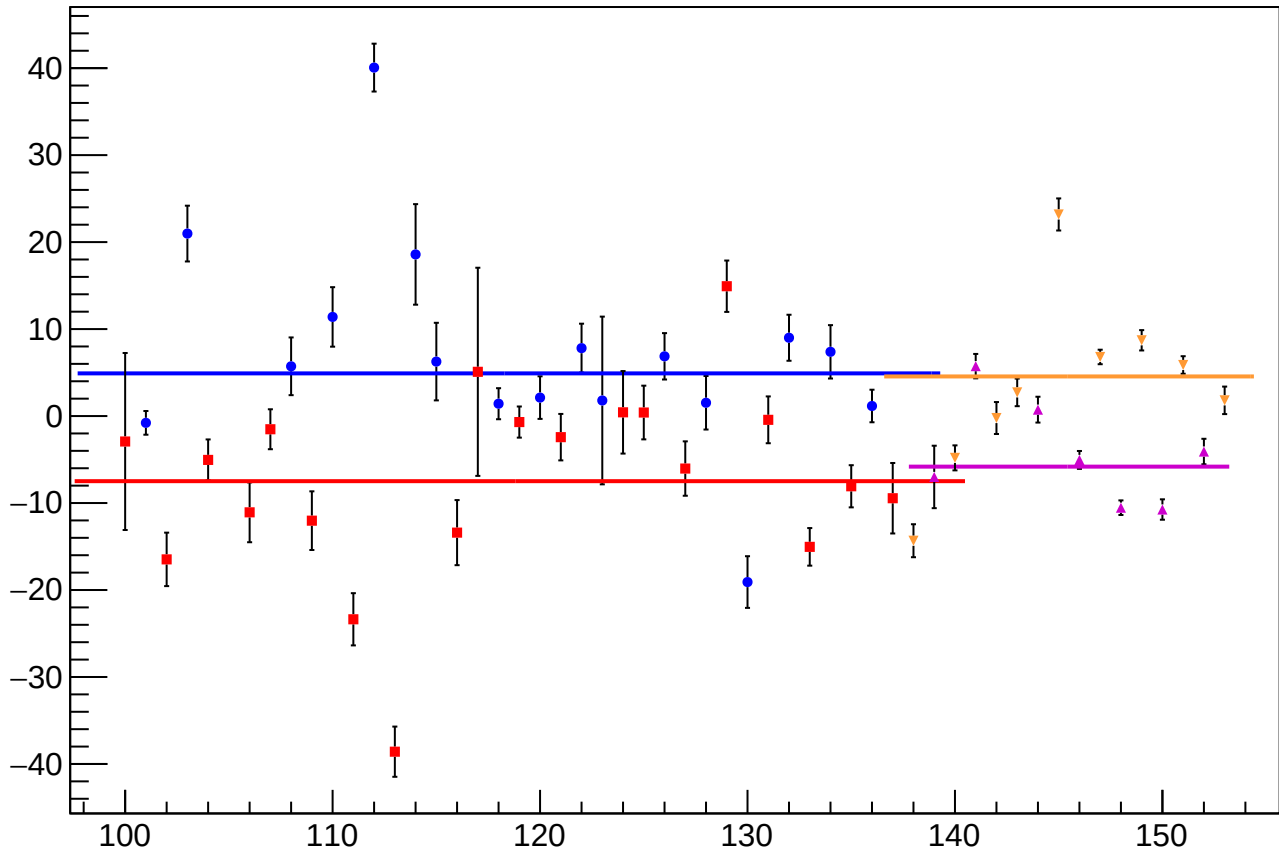
Left In: 73.753+/-0.709 χ^2/NDF : 123.4/6

-69.585+/-0.667 χ^2/NDF : 570.7/8

-2.317+/-0.486 χ^2/NDF : 22384.0/15

73.753+/-0.709 χ^2/NDF : 123.4/6

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 4.554 ± 0.434 χ^2/NDF : 276.2/8

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

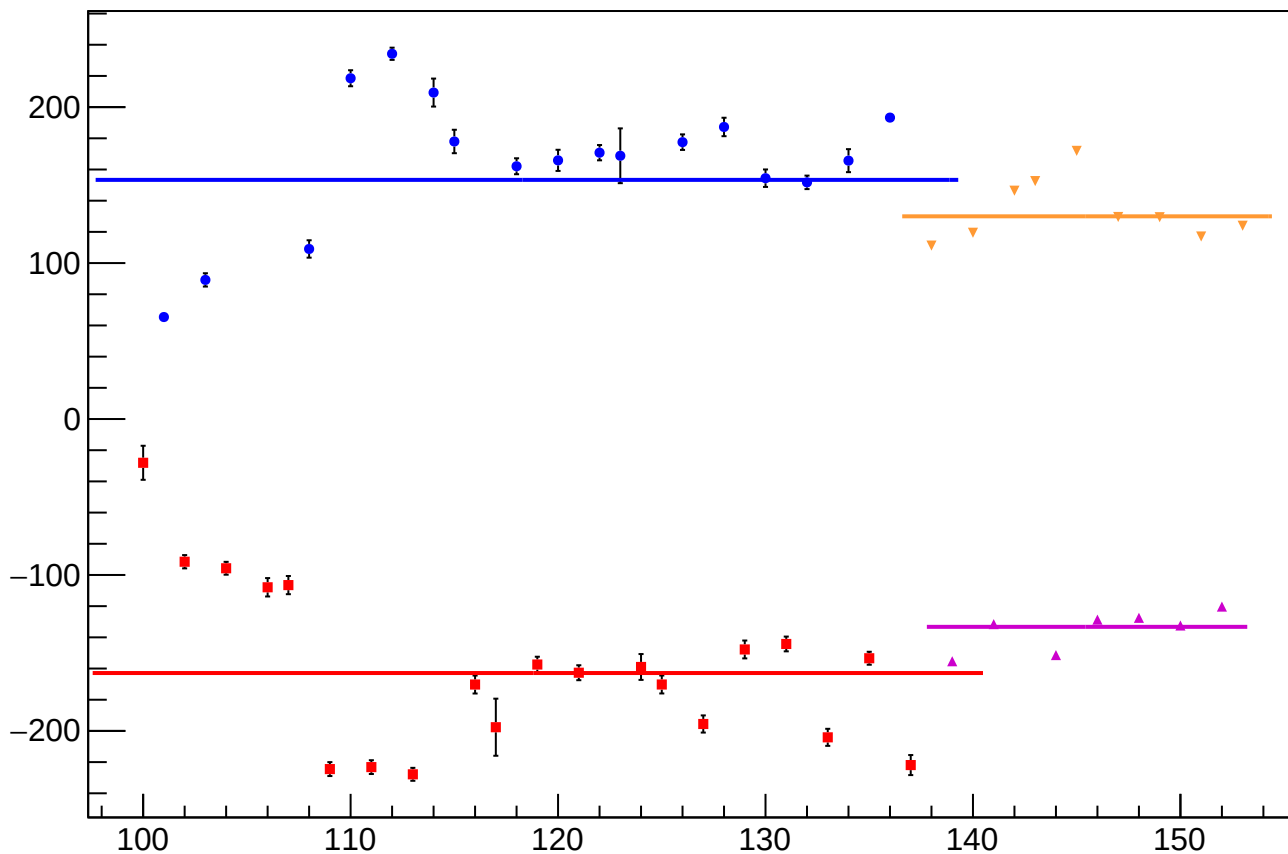
Left In: -5.815 ± 0.466 χ^2/NDF : 138.6/6

4.668 ± 0.357 χ^2/NDF : 571.9/25

-0.533 ± 0.260 χ^2/NDF : 1437.1/52

-6.383 ± 0.379 χ^2/NDF : 414.7/26

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 129.974+/-0.664 χ^2/NDF : 635.7/8

Right Out: -162.878+/-1.174 χ^2/NDF : 1712.4/19

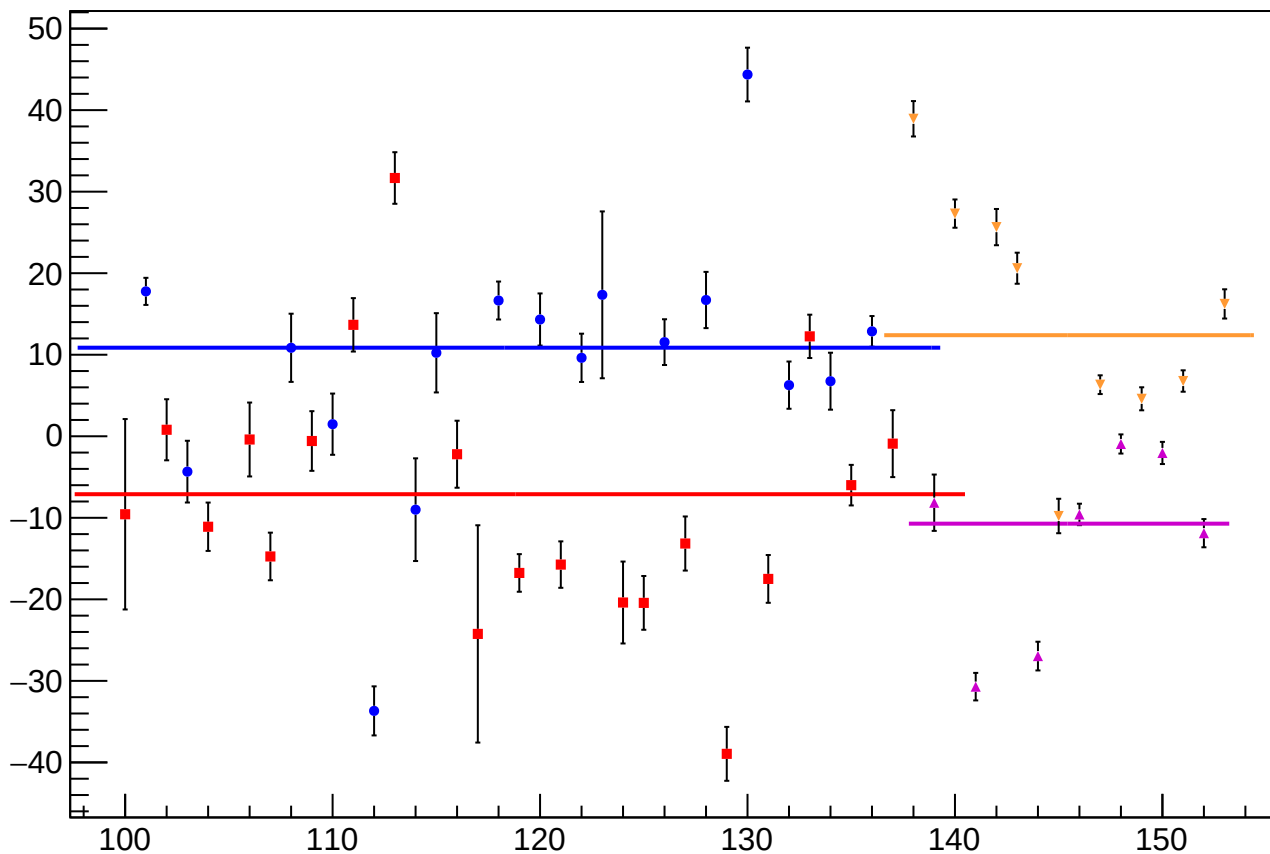
Left In: -133.262+/-0.700 χ^2/NDF : 239.0/6

135.823+/-0.575 χ^2/NDF : 3213.6/25

3.483+/-0.416 χ^2/NDF : 116306.1/52

-141.023+/-0.601 χ^2/NDF : 2420.6/26

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 ± 0.719 χ^2/NDF : 387.9/16

Left Out: 12.396 ± 0.543 χ^2/NDF : 469.1/8

Right Out: -7.106 ± 0.746 χ^2/NDF : 426.4/19

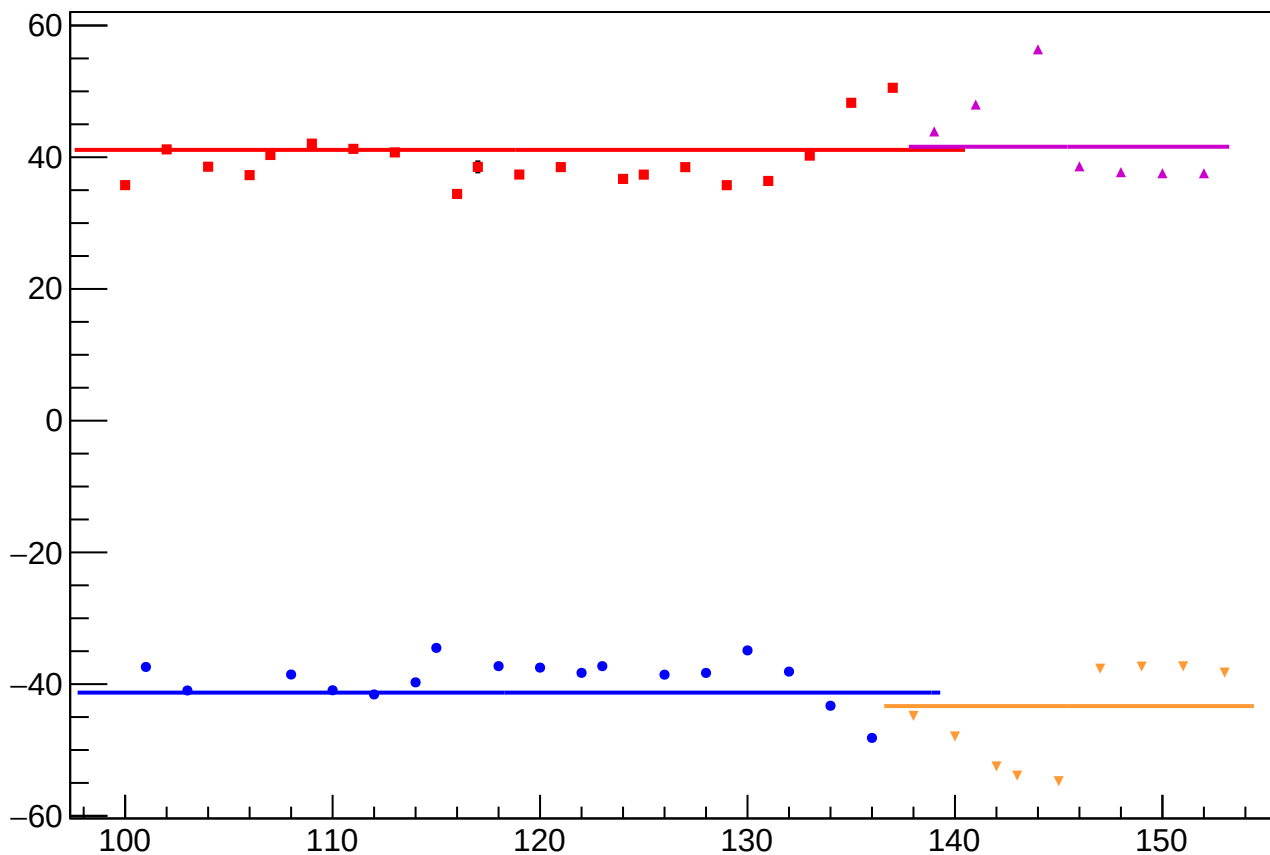
Left In: -10.718 ± 0.584 χ^2/NDF : 337.0/6

11.840 ± 0.433 χ^2/NDF : 859.9/25

1.876 ± 0.315 χ^2/NDF : 2762.6/52

-9.347 ± 0.460 χ^2/NDF : 777.9/26

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: -43.335 $\pm$ 0.028 χ^2 /NDF: 59572.0/8

Right Out: 41.115 $\pm$ 0.039 χ^2 /NDF: 12120.1/19

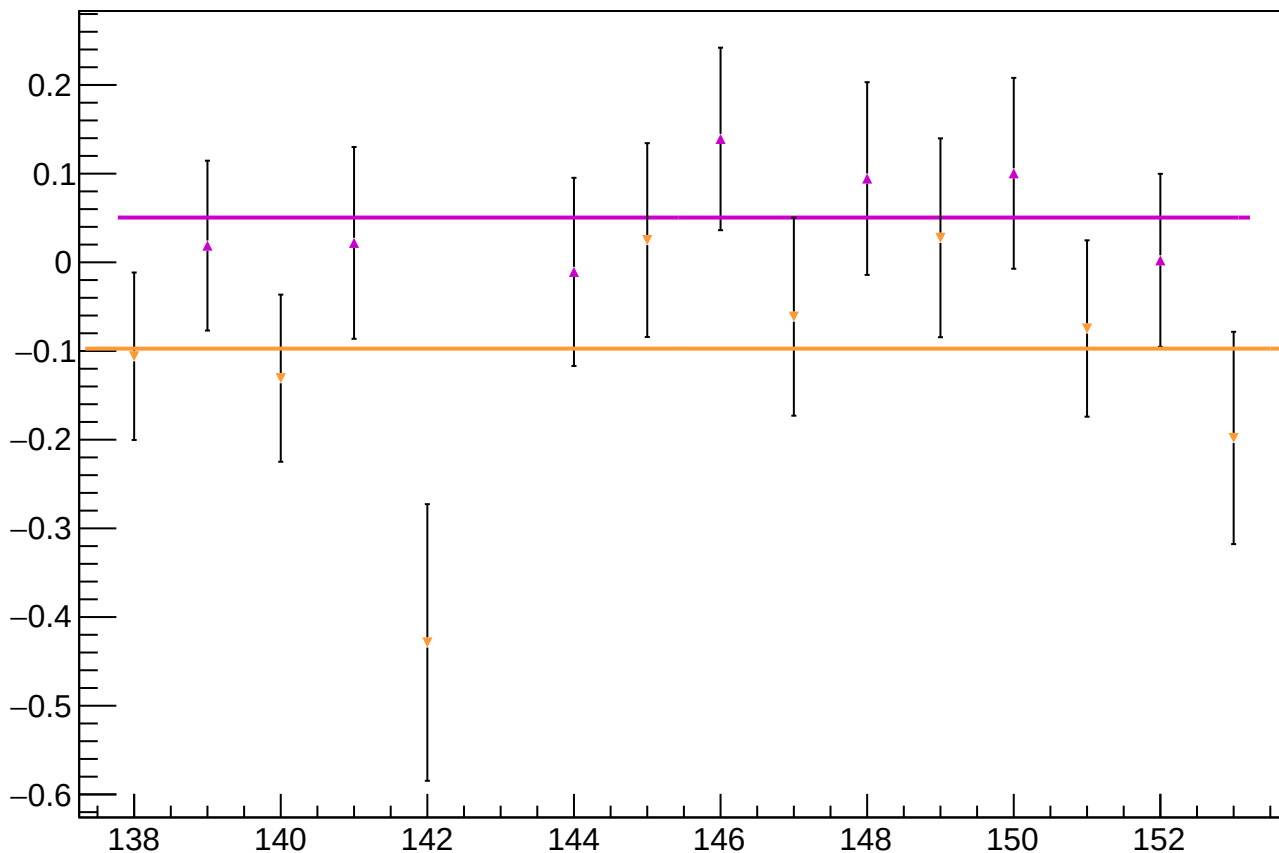
Left In: 41.591 $\pm$ 0.029 χ^2 /NDF: 40482.1/6

-42.638 $\pm$ 0.023 χ^2 /NDF: 73933.4/25

-1.943 $\pm$ 0.016 χ^2 /NDF: 6862429.6/52

41.418 $\pm$ 0.023 χ^2 /NDF: 52699.1/26

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.097 $\pm$ 0.038 χ^2 /NDF: 8.0/7

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

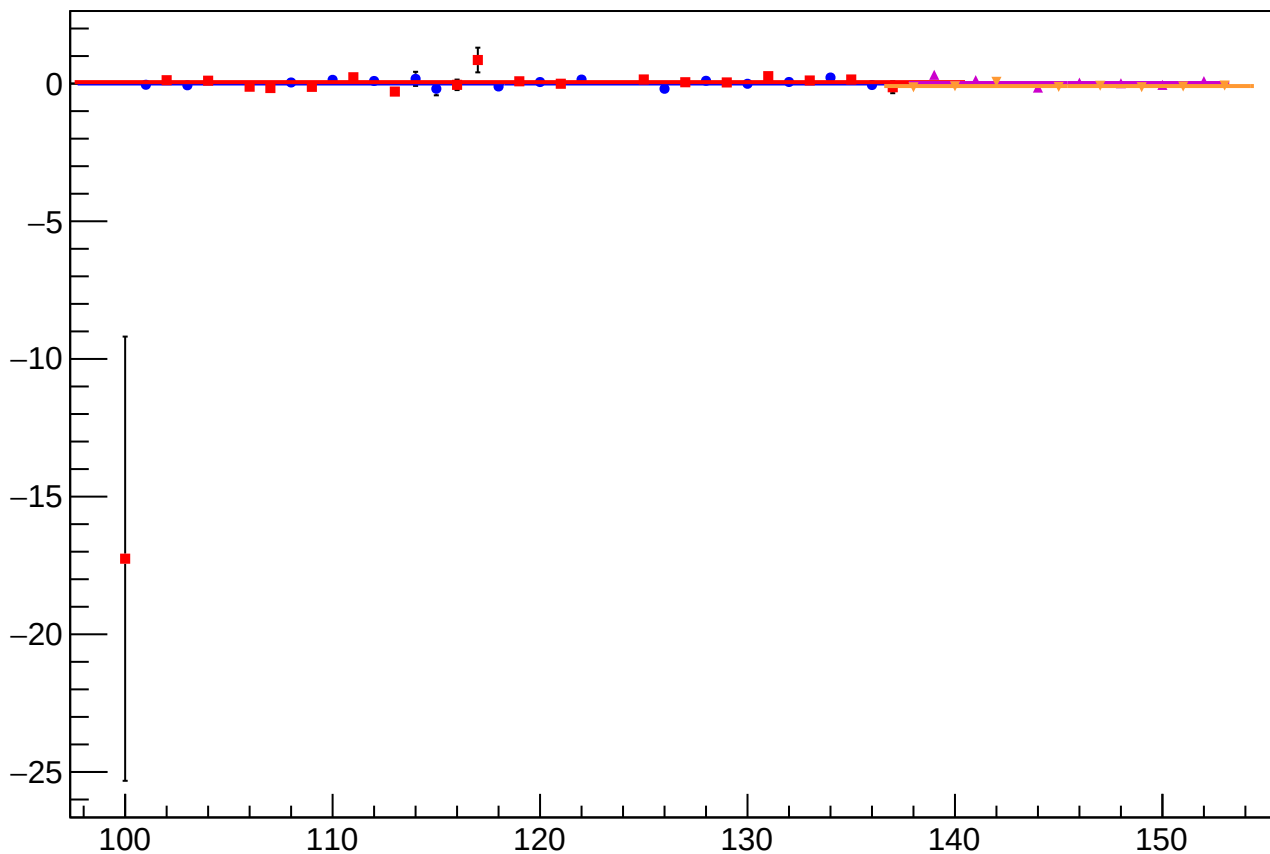
Left In: 0.050 $\pm$ 0.039 χ^2 /NDF: 1.9/6

-0.097 $\pm$ 0.038 χ^2 /NDF: 8.0/7

-0.025 $\pm$ 0.027 χ^2 /NDF: 17.2/14

0.050 $\pm$ 0.039 χ^2 /NDF: 1.9/6

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.090 ± 0.026 χ^2/NDF : 3.2/7

Right Out: 0.053 ± 0.029 χ^2/NDF : 28.8/18

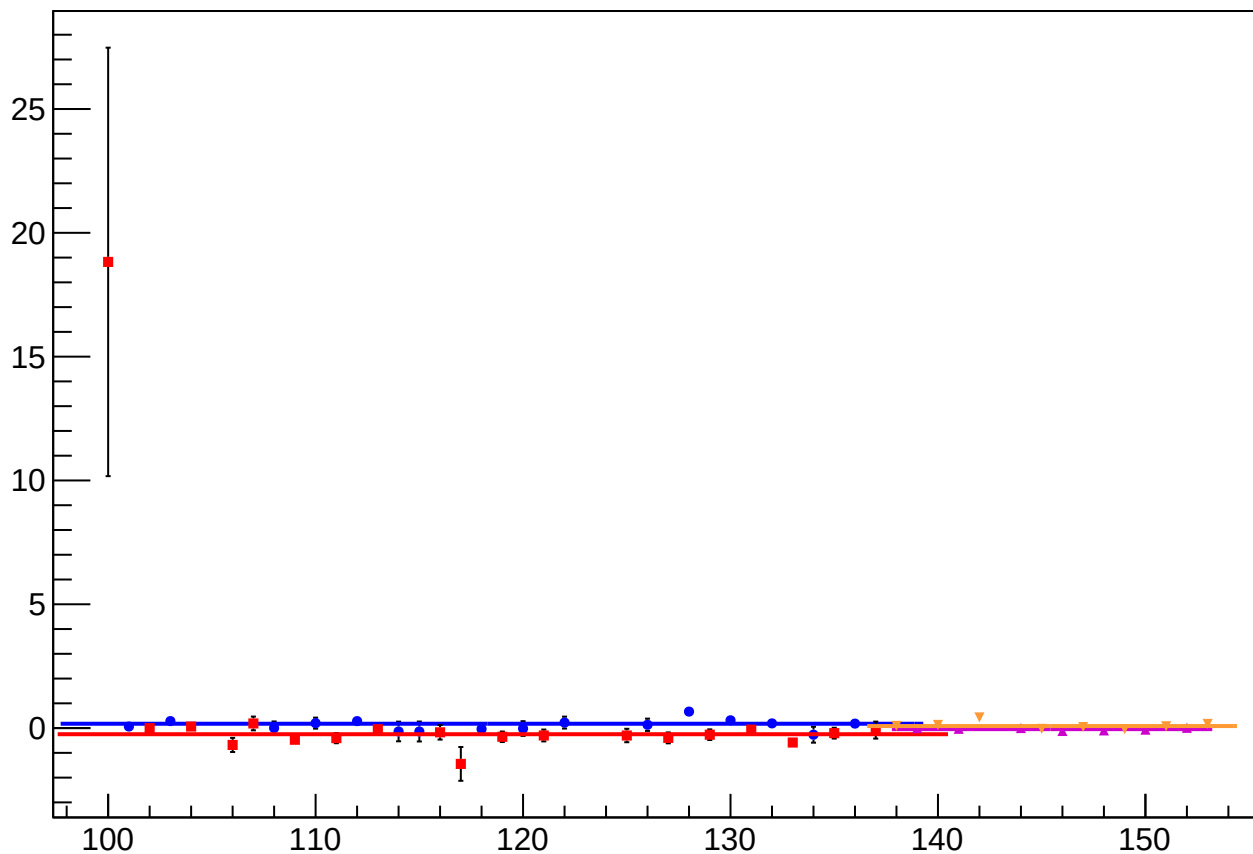
Left In: 0.021 ± 0.027 χ^2/NDF : 11.4/6

-0.048 ± 0.019 χ^2/NDF : 21.5/23

-0.007 ± 0.014 χ^2/NDF : 71.5/49

0.036 ± 0.020 χ^2/NDF : 40.9/25

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.083 ± 0.038 χ^2/NDF : 7.7/7

Right Out: -0.247 ± 0.054 χ^2/NDF : 24.7/18

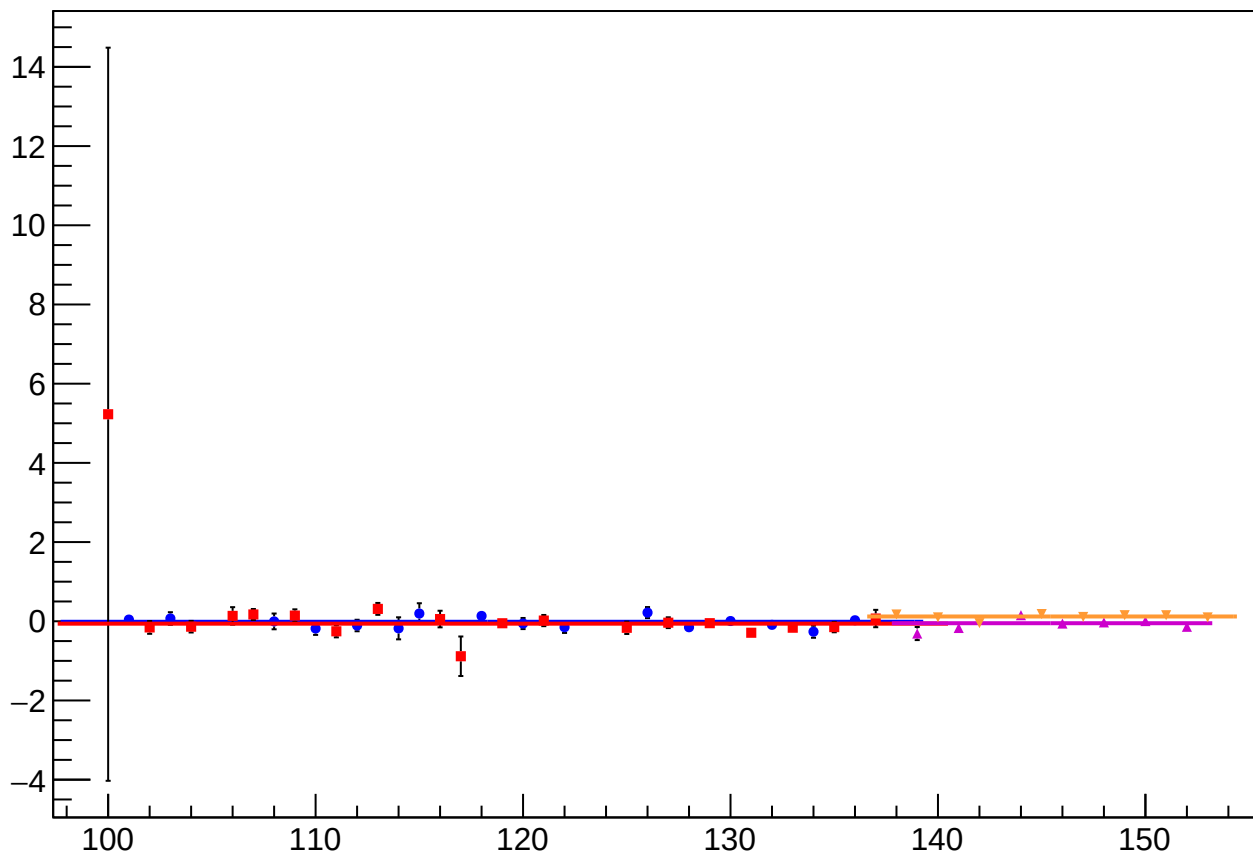
Left In: -0.042 ± 0.039 χ^2/NDF : 1.5/6

0.115 ± 0.031 χ^2/NDF : 22.7/23

0.003 ± 0.022 χ^2/NDF : 85.0/49

-0.113 ± 0.032 χ^2/NDF : 35.8/25

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.121 ± 0.032 χ^2/NDF : 3.0/7

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

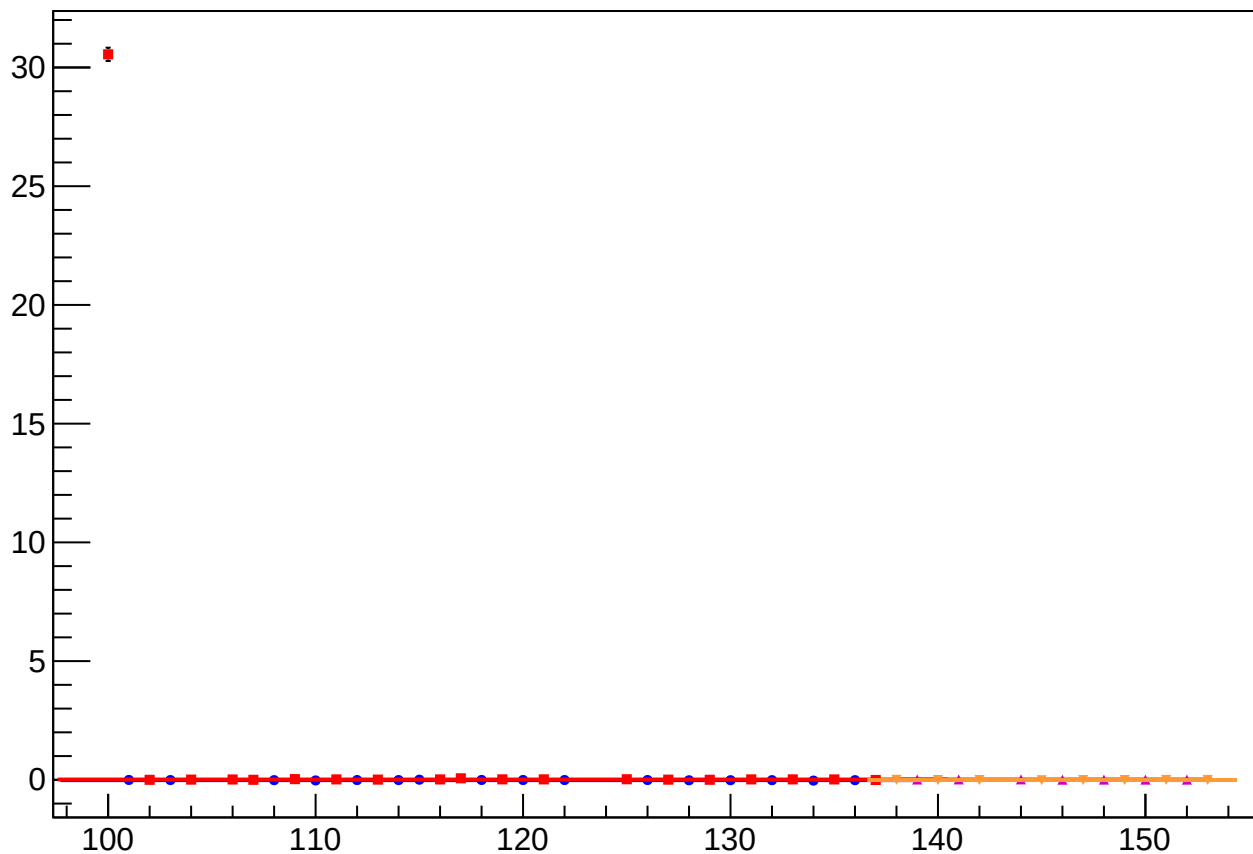
Left In: -0.049 ± 0.033 χ^2/NDF : 10.8/6

0.055 ± 0.023 χ^2/NDF : 25.1/23

0.002 ± 0.017 χ^2/NDF : 70.2/49

-0.055 ± 0.024 χ^2/NDF : 34.0/25

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.009 ± 0.002 χ^2/NDF : 8.1/7

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

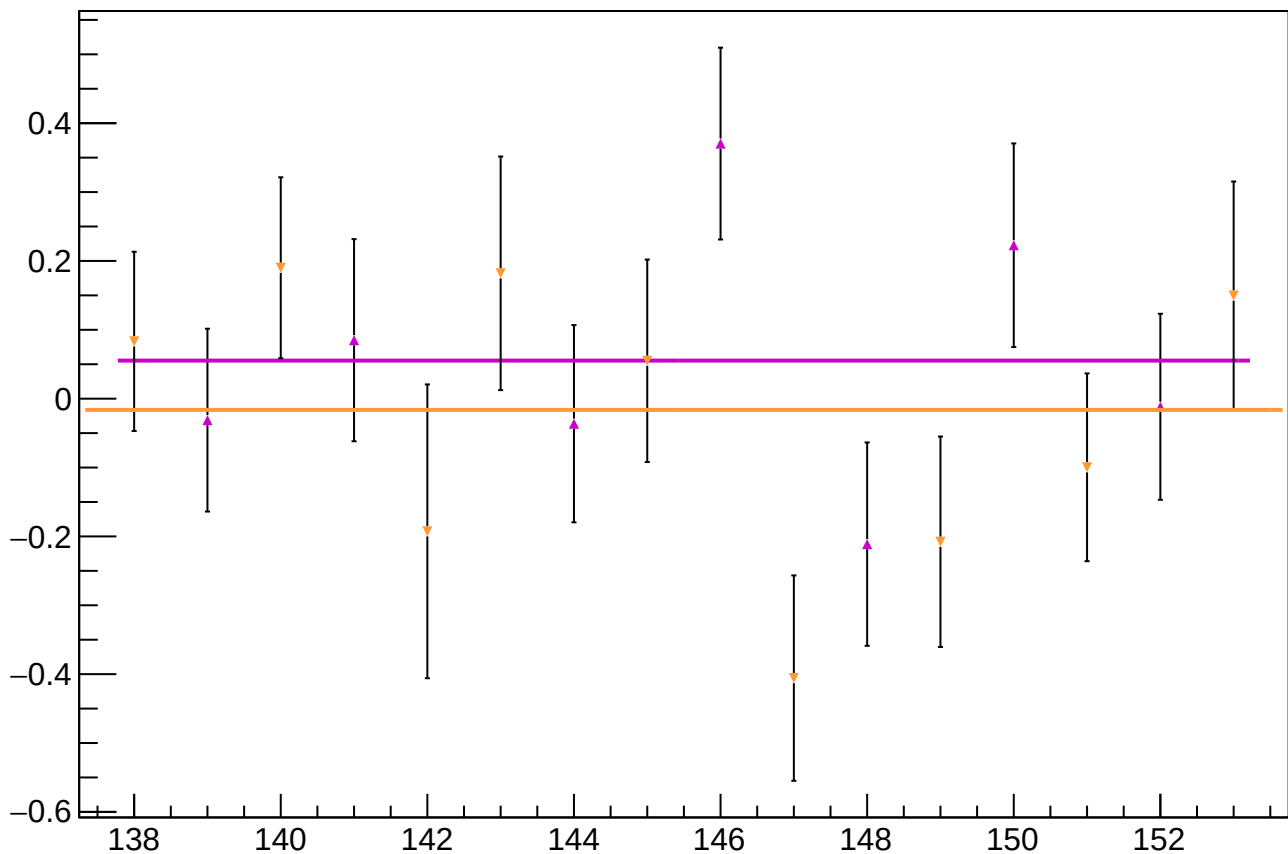
Left In: 0.012 ± 0.002 χ^2/NDF : 7.5/6

-0.010 ± 0.001 χ^2/NDF : 22.8/23

0.001 ± 0.001 χ^2/NDF : 12097.9/49

0.012 ± 0.001 χ^2/NDF : 11901.5/25

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: -0.016 $\pm$ 0.050 χ^2 /NDF: 15.1/8

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

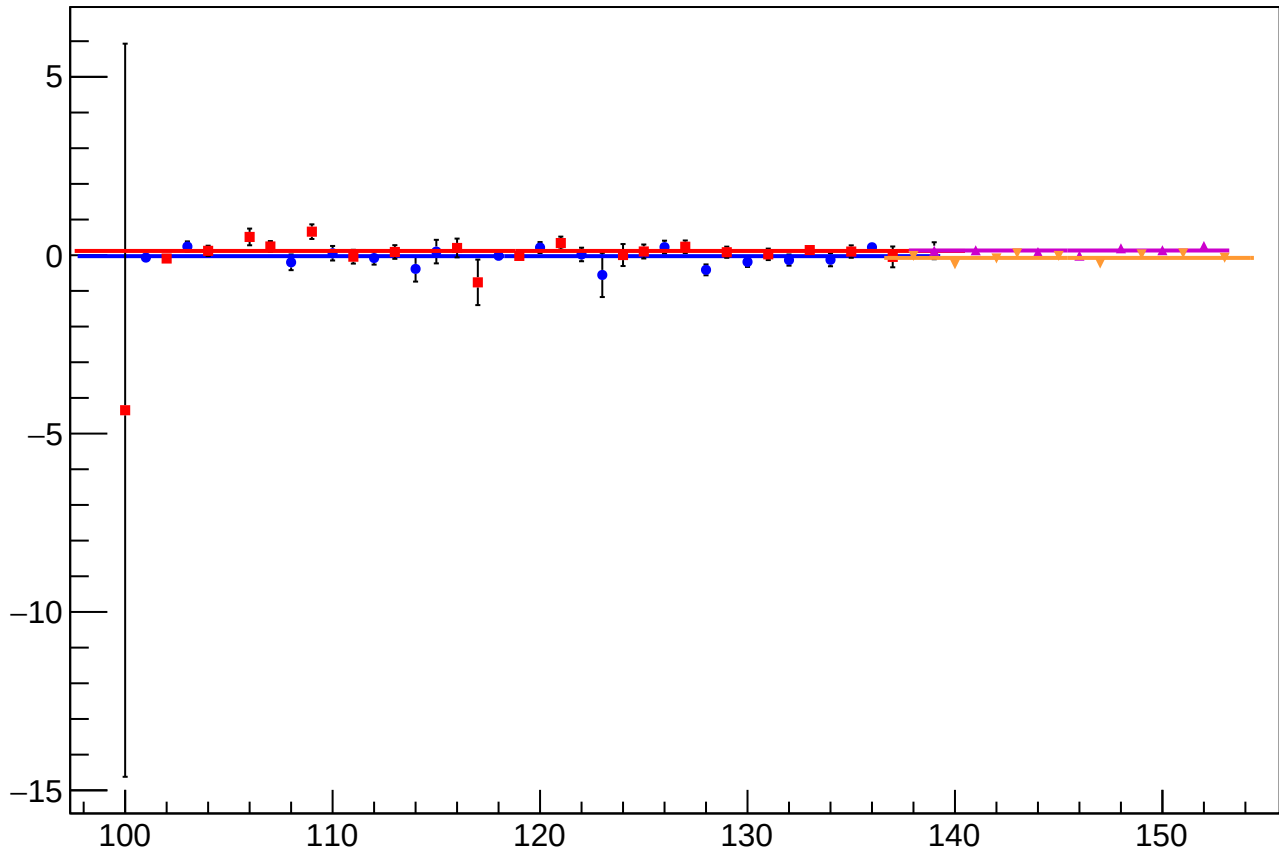
Left In: 0.055 $\pm$ 0.053 χ^2 /NDF: 10.8/6

-0.016 $\pm$ 0.050 χ^2 /NDF: 15.1/8

0.017 $\pm$ 0.037 χ^2 /NDF: 26.8/15

0.055 $\pm$ 0.053 χ^2 /NDF: 10.8/6

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.075 ± 0.034 χ^2/NDF : 13.0/8

Right Out: 0.120 ± 0.039 χ^2/NDF : 20.2/19

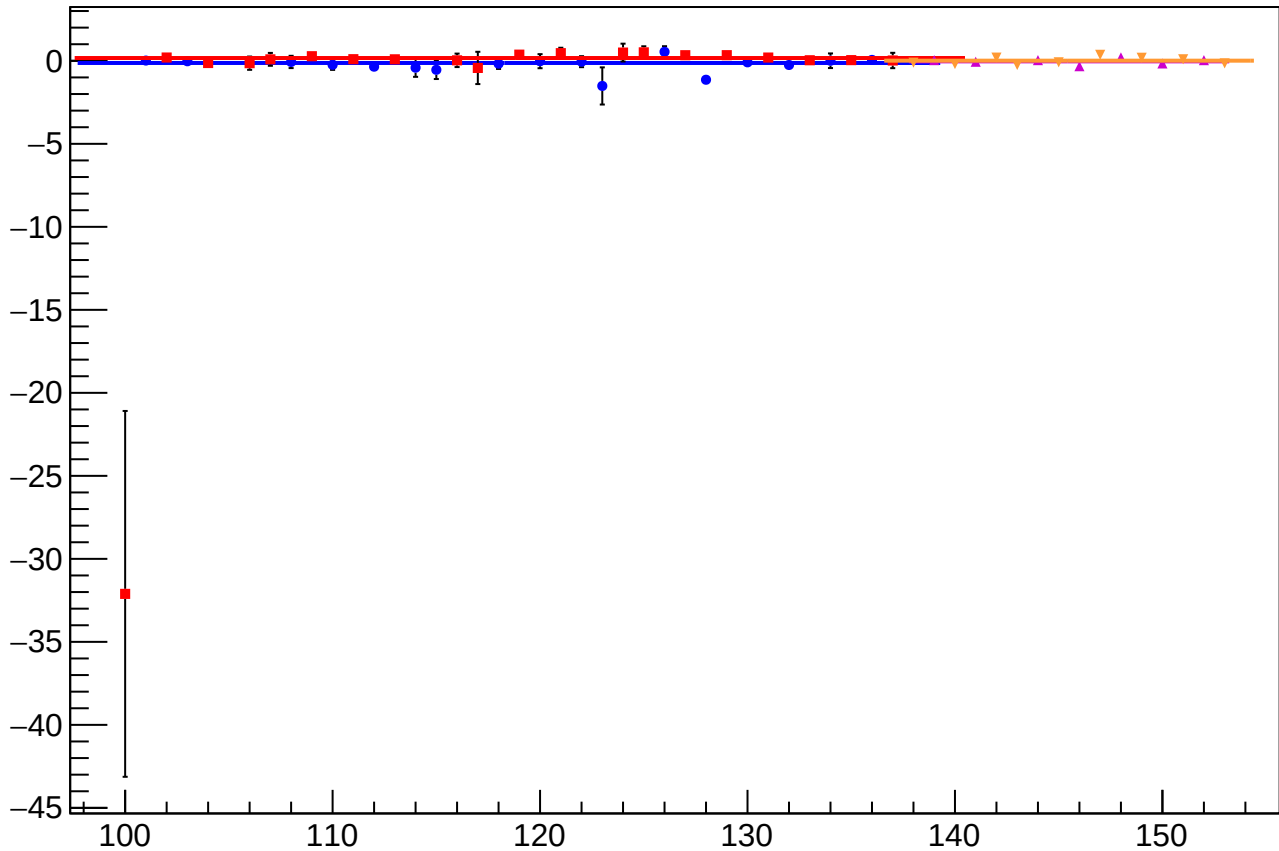
Left In: 0.133 ± 0.037 χ^2/NDF : 5.5/6

-0.053 ± 0.025 χ^2/NDF : 36.6/25

0.030 ± 0.018 χ^2/NDF : 86.4/52

0.127 ± 0.027 χ^2/NDF : 25.8/26

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.009 ± 0.050 χ^2/NDF : 15.4/8

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

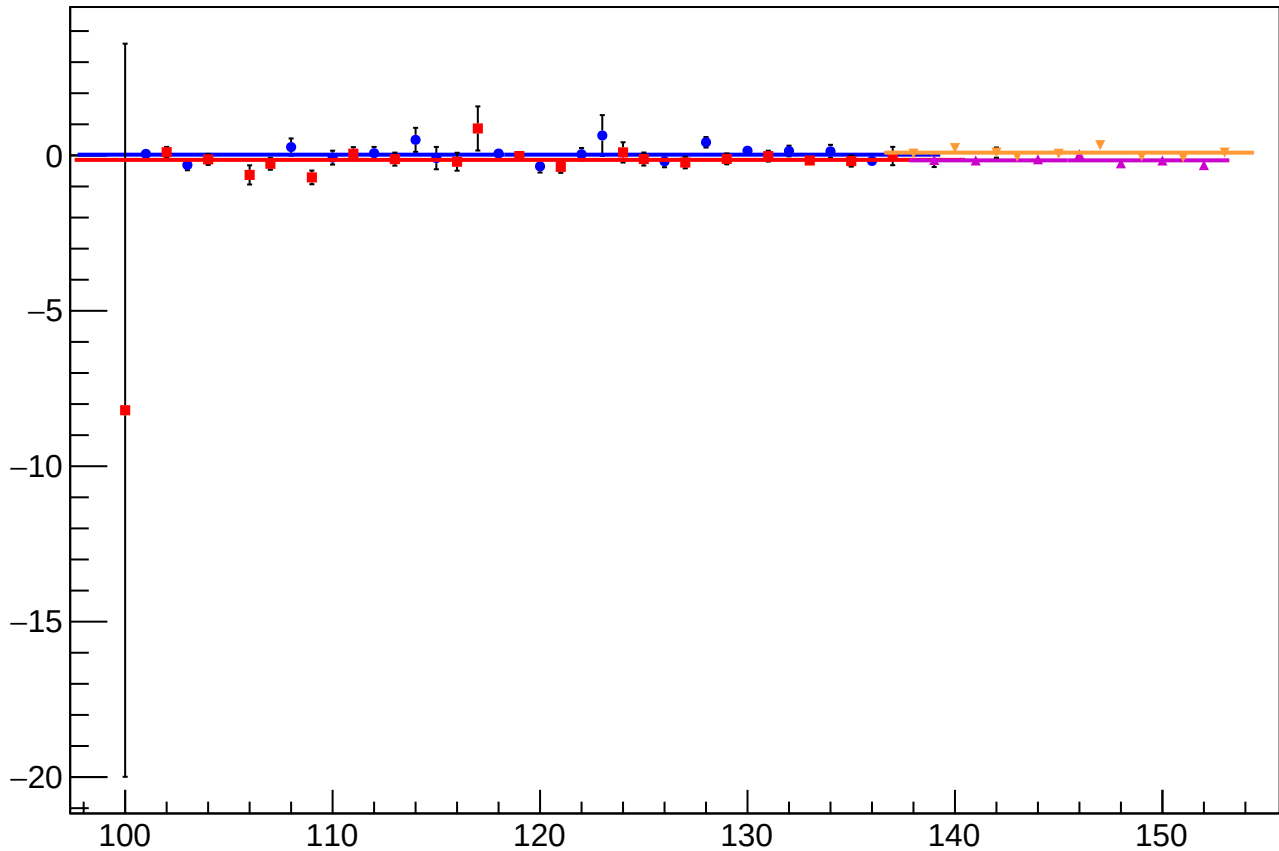
Left In: -0.033 ± 0.053 χ^2/NDF : 9.5/6

-0.041 ± 0.040 χ^2/NDF : 41.3/25

-0.003 ± 0.029 χ^2/NDF : 73.1/52

0.040 ± 0.043 χ^2/NDF : 30.0/26

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.088 ± 0.042 χ^2/NDF : 11.8/8

Right Out: -0.144 ± 0.045 χ^2/NDF : 18.6/19

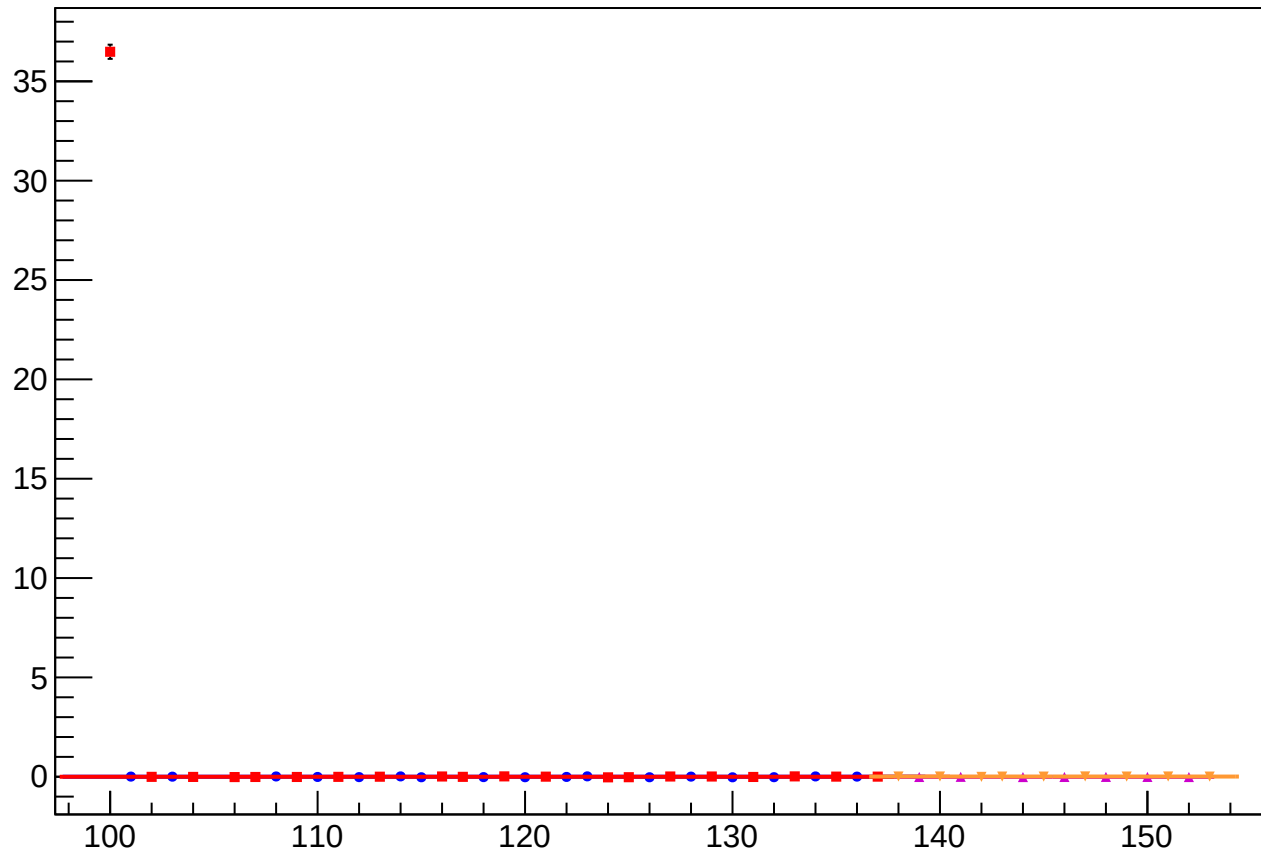
Left In: -0.159 ± 0.046 χ^2/NDF : 6.1/6

0.056 ± 0.030 χ^2/NDF : 34.3/25

-0.040 ± 0.022 χ^2/NDF : 81.5/52

-0.152 ± 0.032 χ^2/NDF : 24.8/26

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 ± 0.002 χ^2/NDF : 4.6/8

Right Out: -0.001 ± 0.002 χ^2/NDF : 10449.1/19

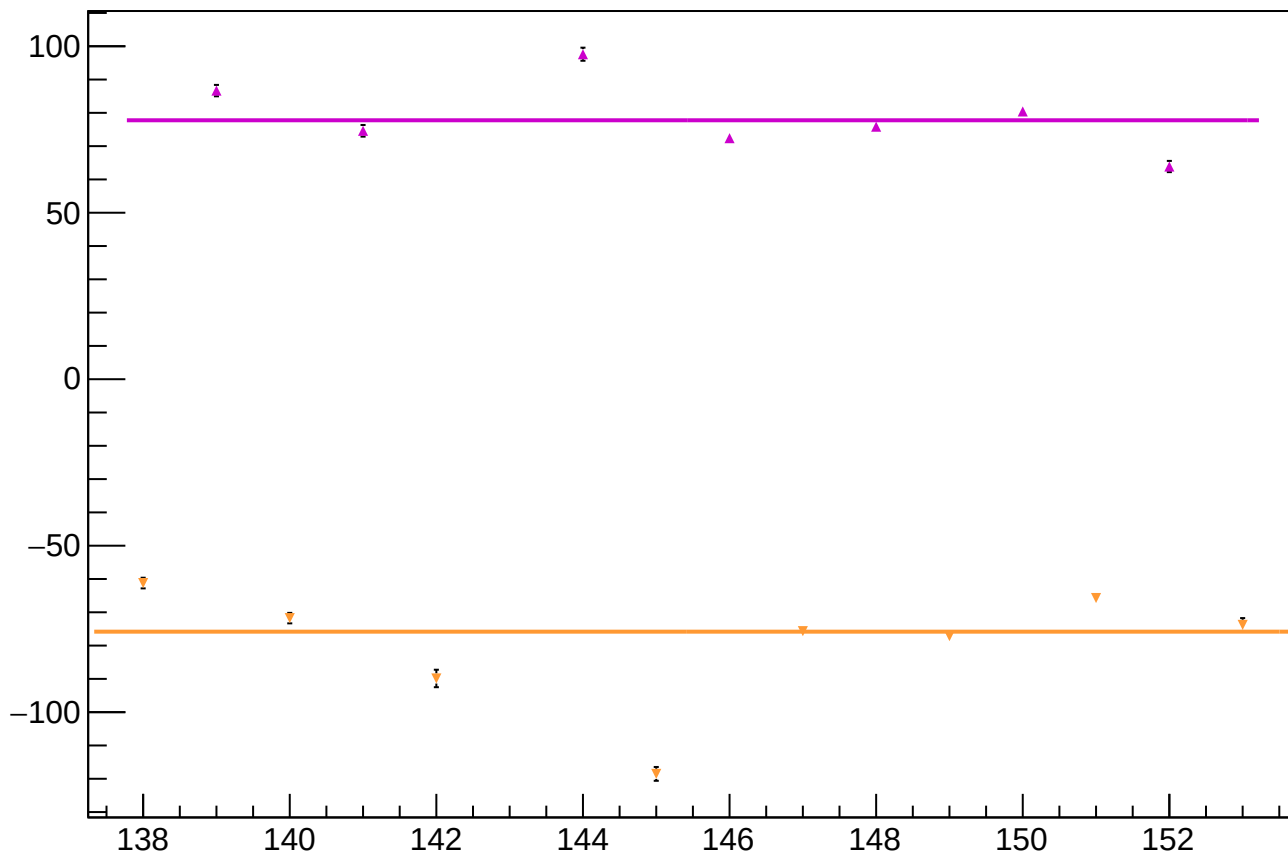
Left In: -0.010 ± 0.002 χ^2/NDF : 2.7/6

0.006 ± 0.002 χ^2/NDF : 43.2/25

0.000 ± 0.001 χ^2/NDF : 10532.5/52

-0.006 ± 0.002 χ^2/NDF : 10460.4/26

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: -75.818+/-0.590 χ^2/NDF : 591.3/7

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

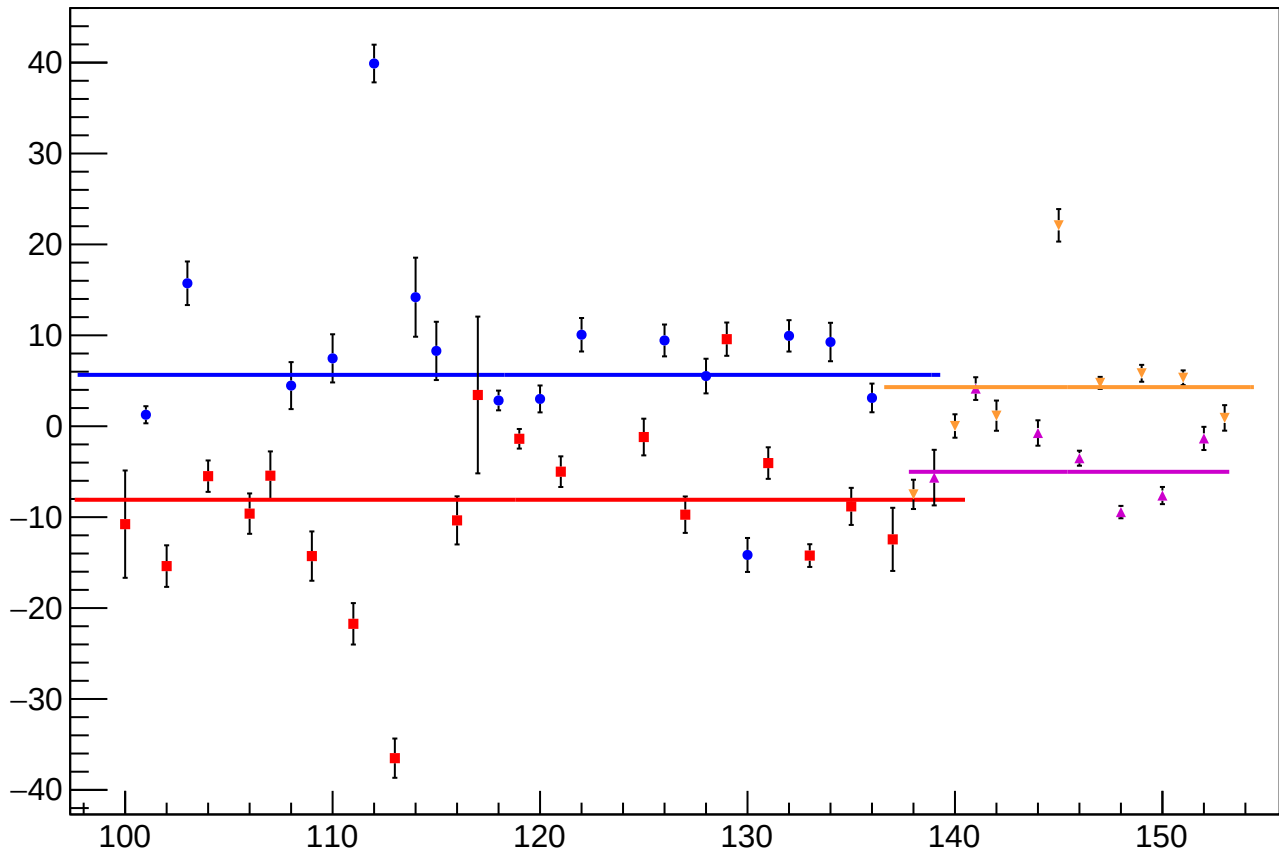
Left In: 77.767+/-0.599 χ^2/NDF : 219.6/6

-75.818+/-0.590 χ^2/NDF : 591.3/7

-0.176+/-0.420 χ^2/NDF : 34169.9/14

77.767+/-0.599 χ^2/NDF : 219.6/6

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: 4.303 $\pm$ 0.374 χ^2 /NDF:177.9/7

Right Out: -8.087 $\pm$ 0.452 χ^2 /NDF: 409.7/18

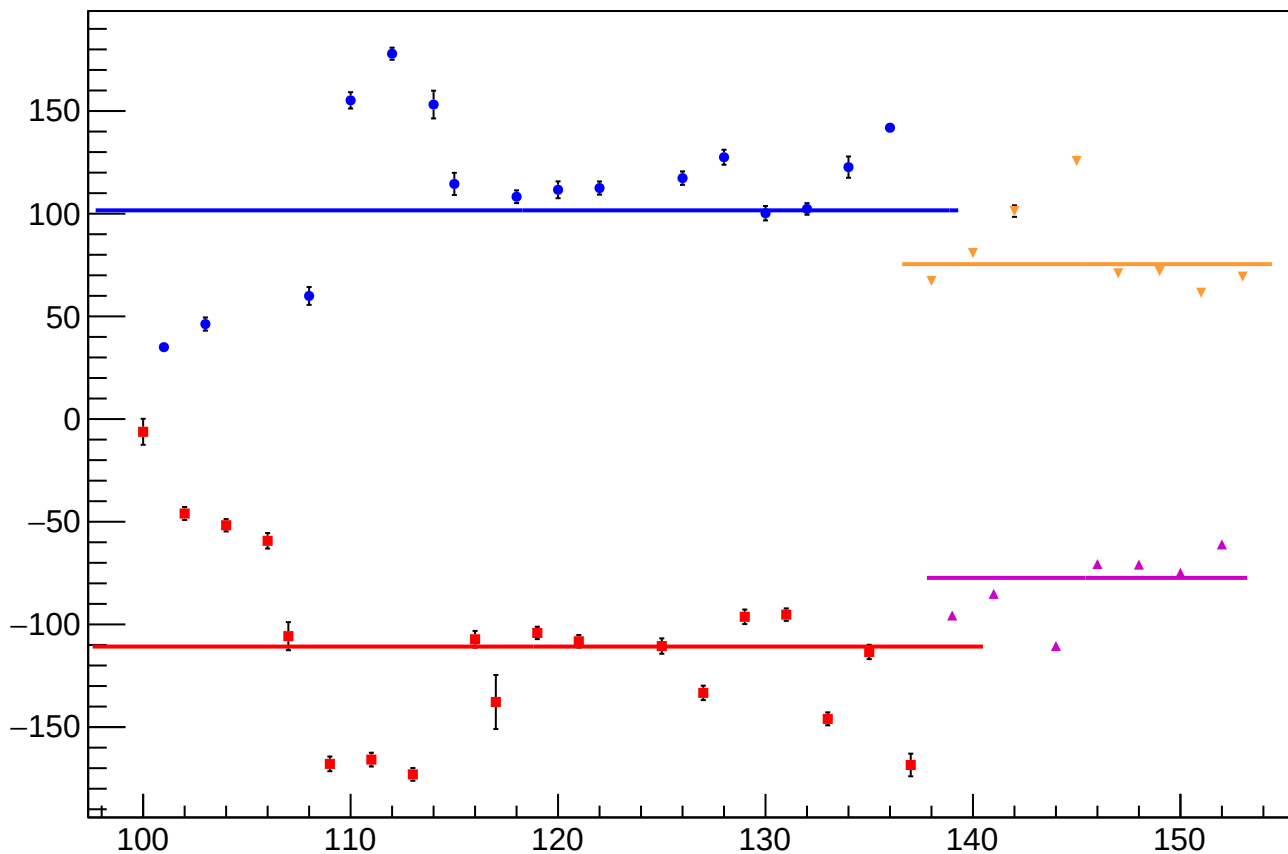
Left In: -5.013 $\pm$ 0.389 χ^2 /NDF:124.6/6

4.885 $\pm$ 0.282 χ^2 /NDF: 645.4/23

-0.467 $\pm$ 0.204 χ^2 /NDF: 1961.1/49

-6.320 $\pm$ 0.295 χ^2 /NDF: 560.8/25

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: 75.433 $\pm$ 0.581 χ^2 /NDF: 789.7/7

Right Out: -110.778 $\pm$ 0.834 χ^2 /NDF: 2518.3/18

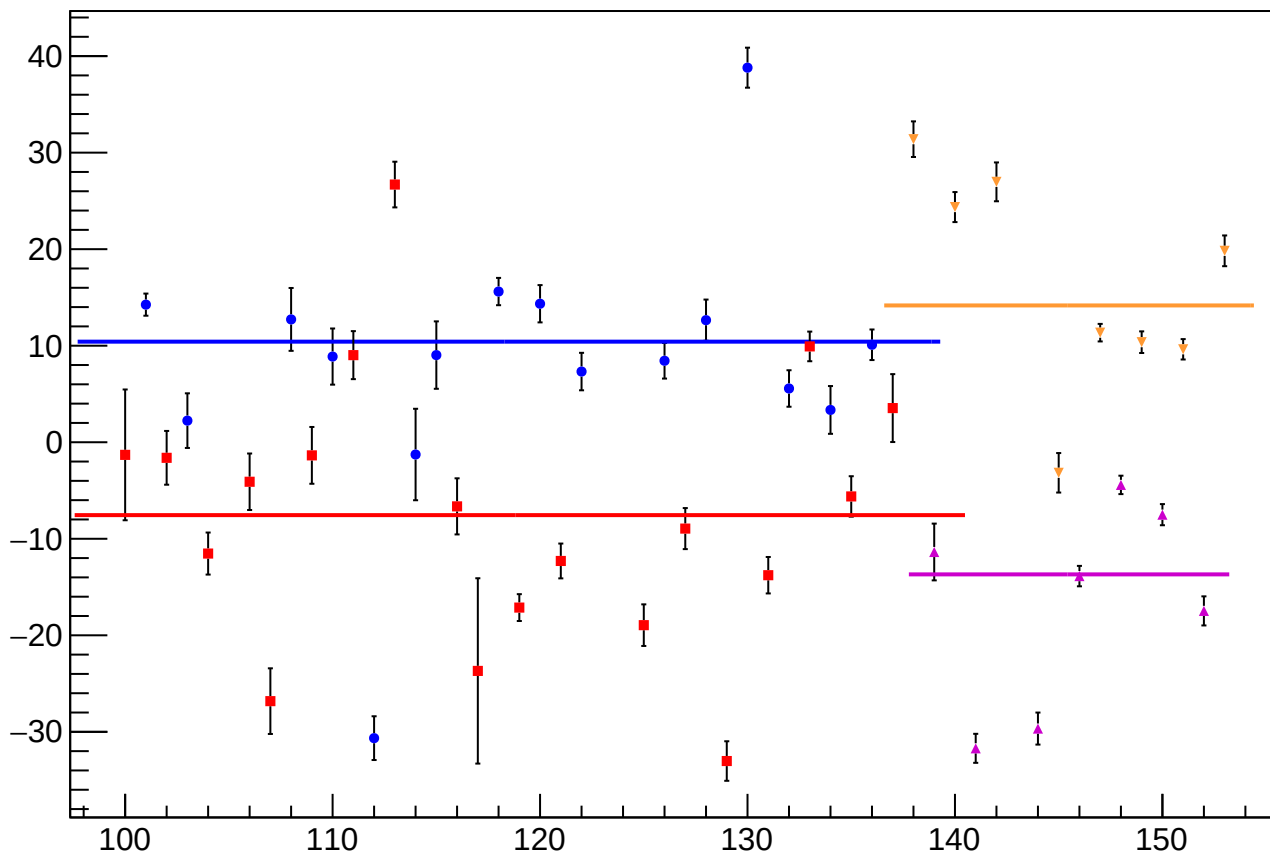
Left In: -77.337 $\pm$ 0.589 χ^2 /NDF: 517.0/6

84.307 $\pm$ 0.473 χ^2 /NDF: 4458.1/23

-0.566 $\pm$ 0.337 χ^2 /NDF: 74203.9/49

-88.445 $\pm$ 0.481 χ^2 /NDF: 4107.9/25

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: 14.172 $\pm$ 0.472 χ^2/NDF : 294.6/7

Right Out: -7.550 $\pm$ 0.522 χ^2/NDF : 692.3/18

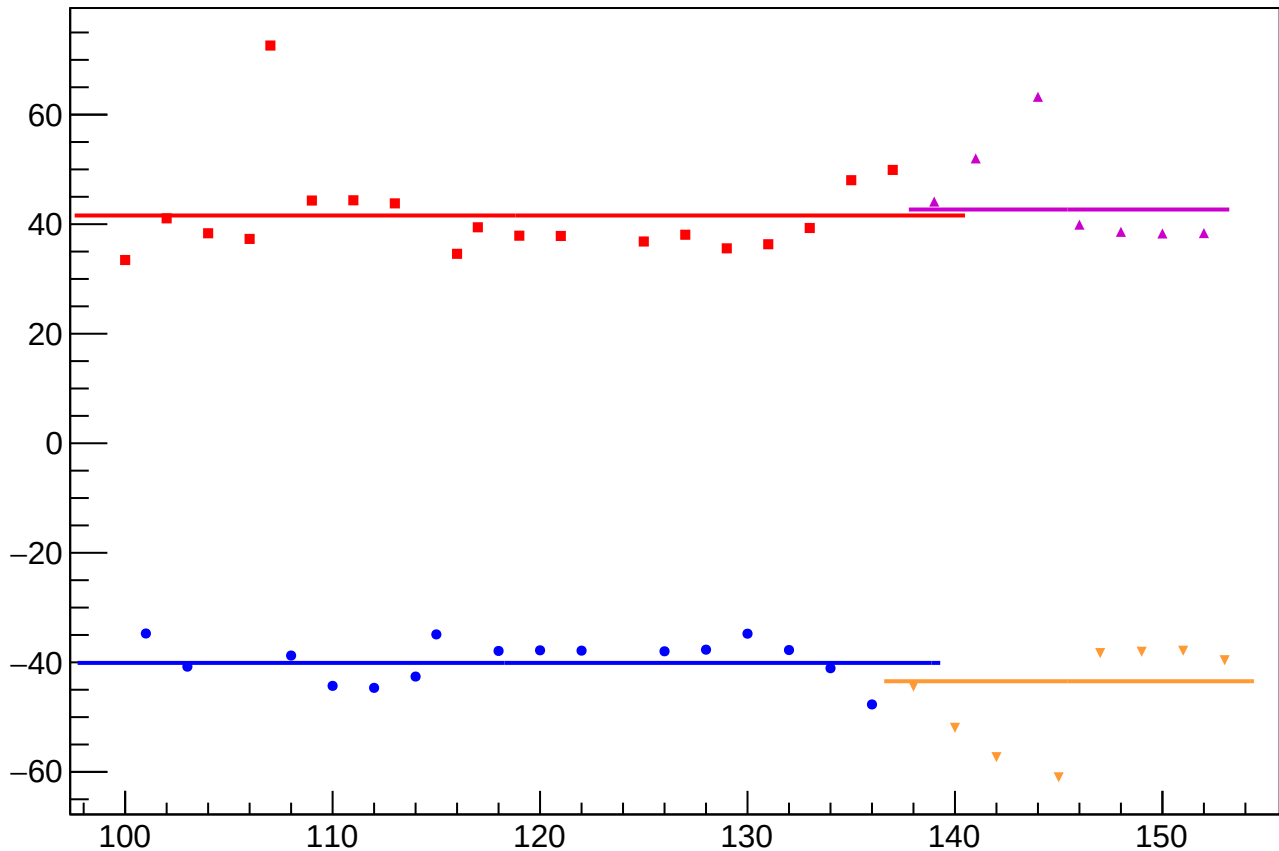
Left In: -13.689 $\pm$ 0.489 χ^2/NDF : 369.9/6

12.394 $\pm$ 0.342 χ^2/NDF : 904.3/23

1.267 $\pm$ 0.247 χ^2/NDF : 4244.9/49

-10.825 $\pm$ 0.357 χ^2/NDF : 1135.8/25

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: -43.447 $\pm$ 0.025 χ^2/NDF : 98086.6/7

Right Out: 41.588 $\pm$ 0.029 χ^2/NDF : 61690.5/18

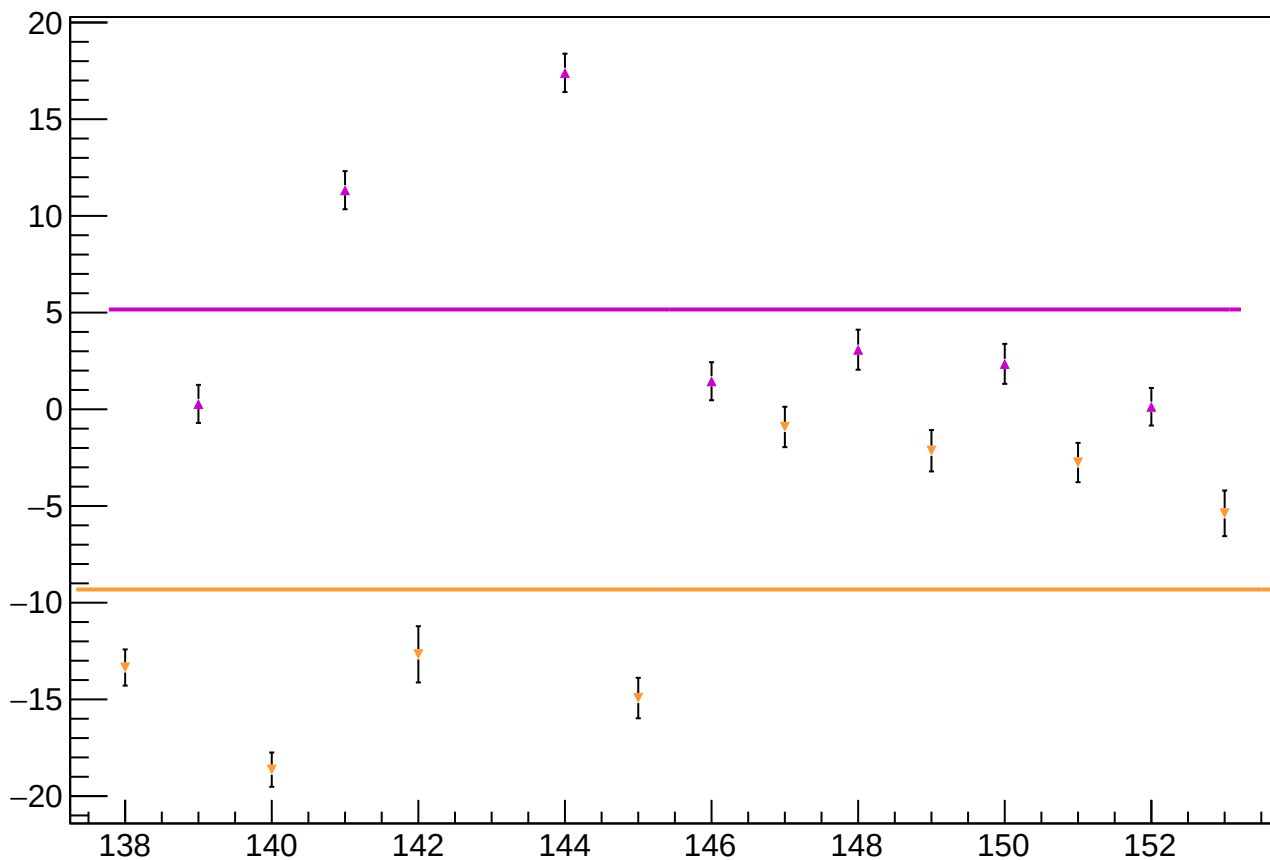
Left In: 42.677 $\pm$ 0.025 χ^2/NDF : 83343.2/6

-42.011 $\pm$ 0.019 χ^2/NDF : 131147.3/23

-0.080 $\pm$ 0.013 χ^2/NDF : 10549134.4/49

42.214 $\pm$ 0.019 χ^2/NDF : 145870.9/25

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: -9.318+/-0.371 χ^2/NDF : 325.6/7

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

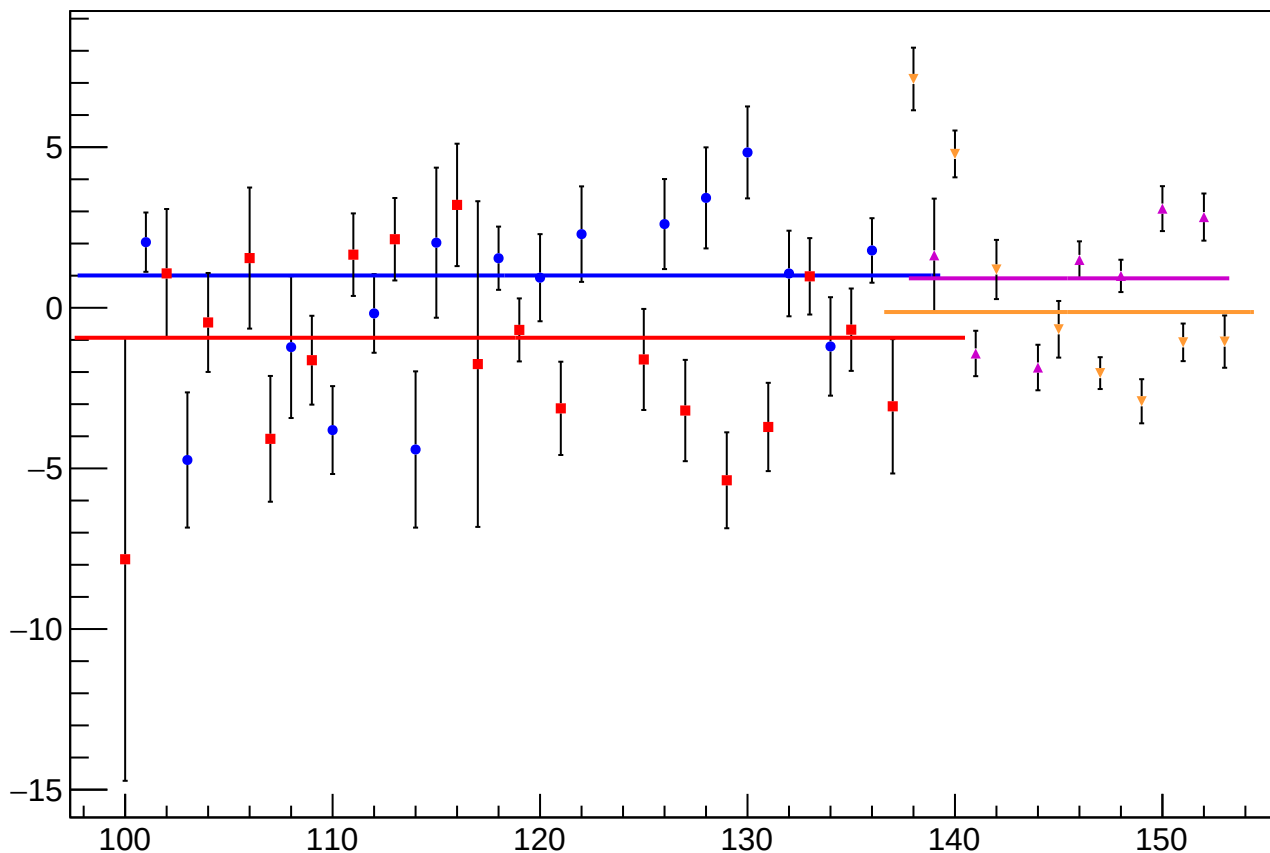
Left In: 5.161+/-0.377 χ^2/NDF : 268.3/6

-9.318+/-0.371 χ^2/NDF : 325.6/7

-2.200+/-0.264 χ^2/NDF : 1343.9/14

5.161+/-0.377 χ^2/NDF : 268.3/6

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: -0.132 ± 0.250 $\chi^2/\text{NDF}: 138.4/7$

Right Out: -0.933 ± 0.352 $\chi^2/\text{NDF}: 41.9/18$

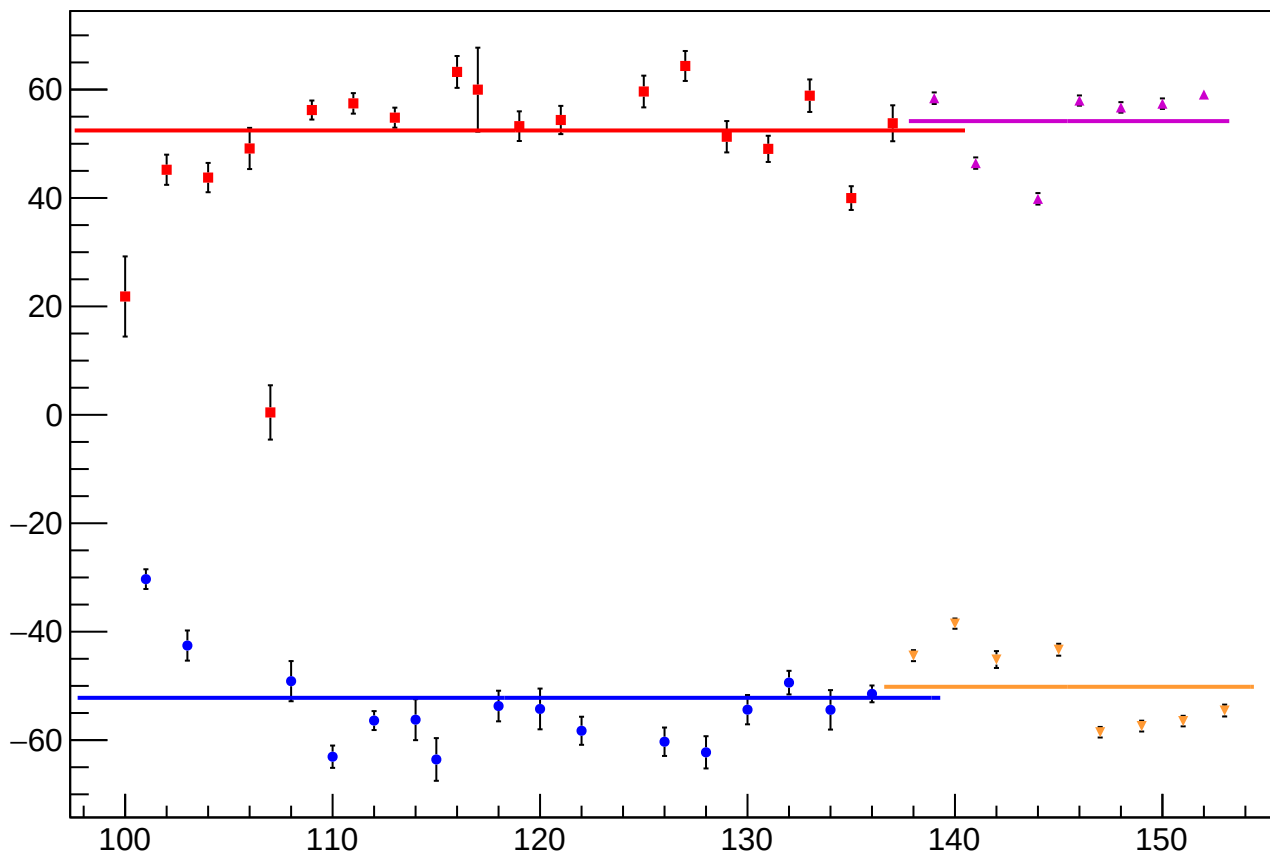
Left In: 0.917 ± 0.257 $\chi^2/\text{NDF}: 43.9/6$

0.265 ± 0.202 $\chi^2/\text{NDF}: 188.4/23$

0.270 ± 0.145 $\chi^2/\text{NDF}: 292.1/49$

0.275 ± 0.208 $\chi^2/\text{NDF}: 103.7/25$

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: -50.165 ± 0.371 χ^2/NDF : 418.0/7

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

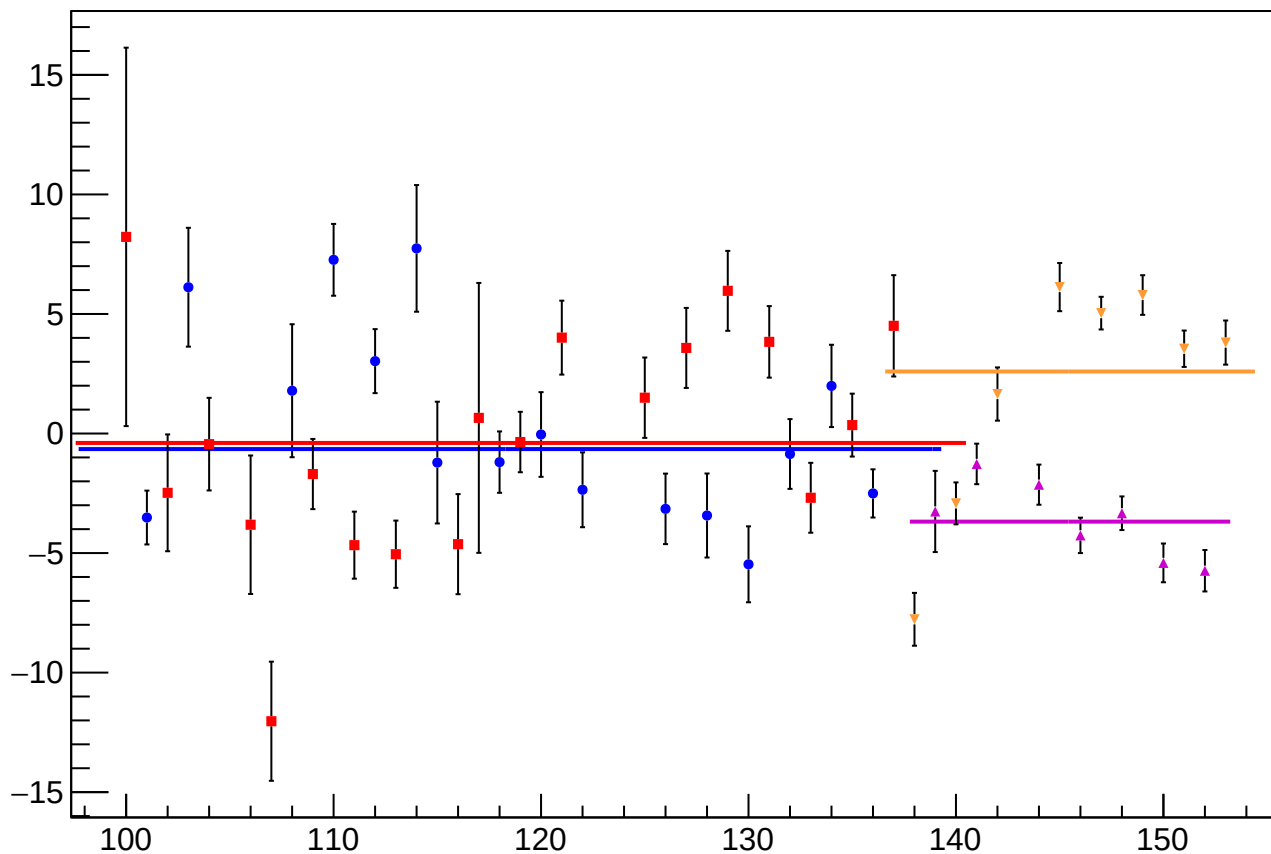
Left In: 54.179 ± 0.376 χ^2/NDF : 314.6/6

-50.708 ± 0.317 χ^2/NDF : 656.7/23

1.025 ± 0.226 χ^2/NDF : 54801.5/49

53.710 ± 0.320 χ^2/NDF : 555.2/25

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: 2.594 ± 0.310 χ^2/NDF : 171.5/7

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

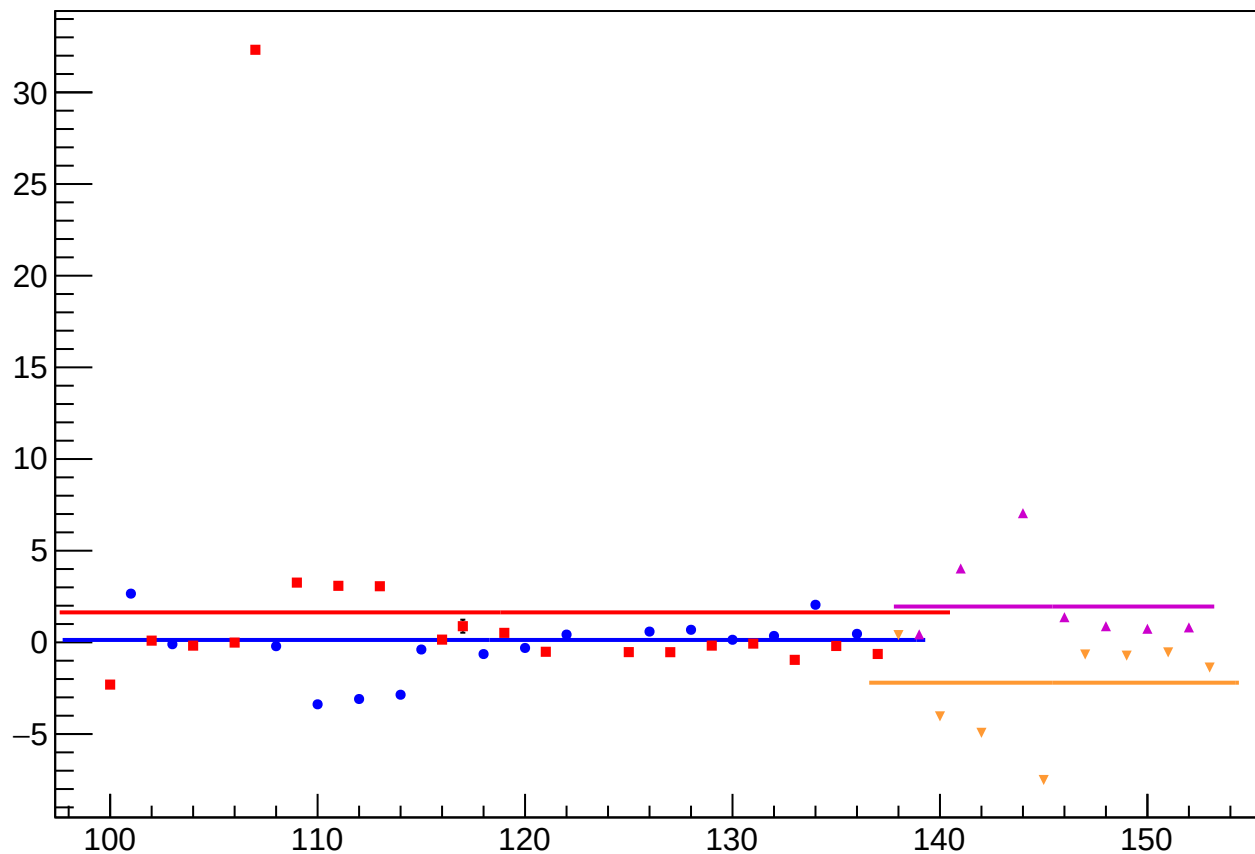
Left In: -3.685 ± 0.319 χ^2/NDF : 22.6/6

1.326 ± 0.242 χ^2/NDF : 296.3/23

-0.485 ± 0.173 χ^2/NDF : 571.9/49

-2.402 ± 0.249 χ^2/NDF : 160.1/25

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -2.199 ± 0.015 $\chi^2/\text{NDF}: 27569.2/7$

Right Out: 1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

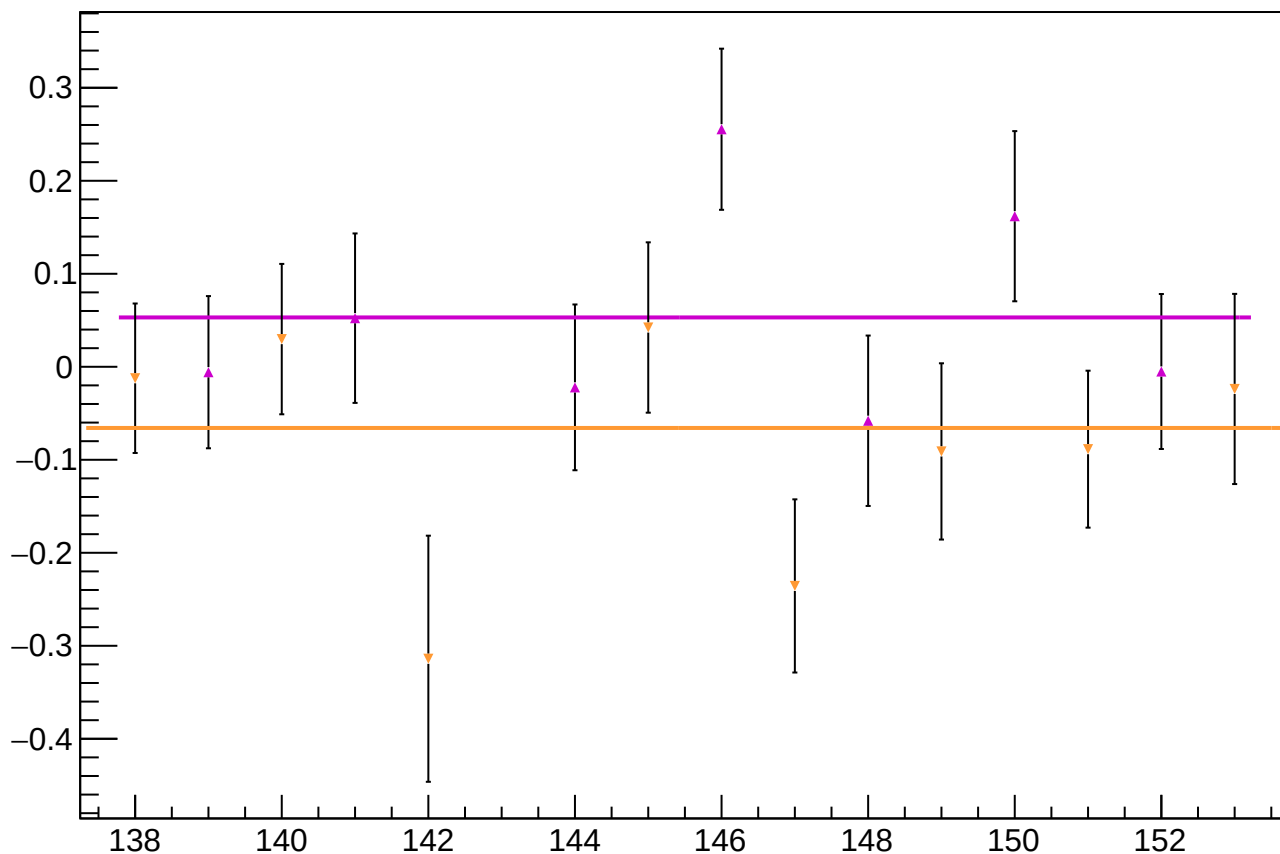
Left In: 1.955 ± 0.016 $\chi^2/\text{NDF}: 18750.9/6$

-1.416 ± 0.012 $\chi^2/\text{NDF}: 40579.3/23$

0.196 ± 0.009 $\chi^2/\text{NDF}: 170993.2/49$

1.847 ± 0.013 $\chi^2/\text{NDF}: 96746.1/25$

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: -0.066+/-0.032 χ^2/NDF : 10.4/7

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

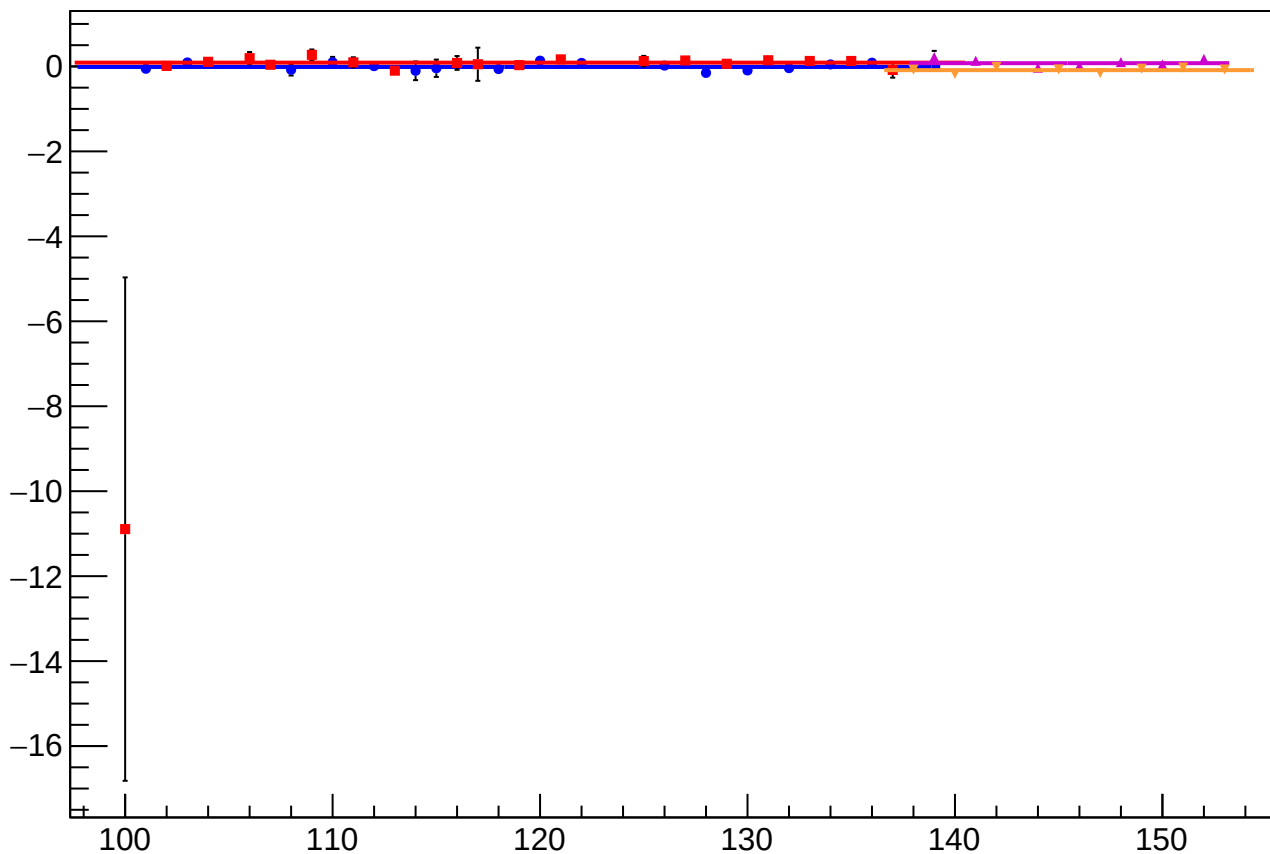
Left In: 0.053+/-0.033 χ^2/NDF : 10.1/6

-0.066+/-0.032 χ^2/NDF : 10.4/7

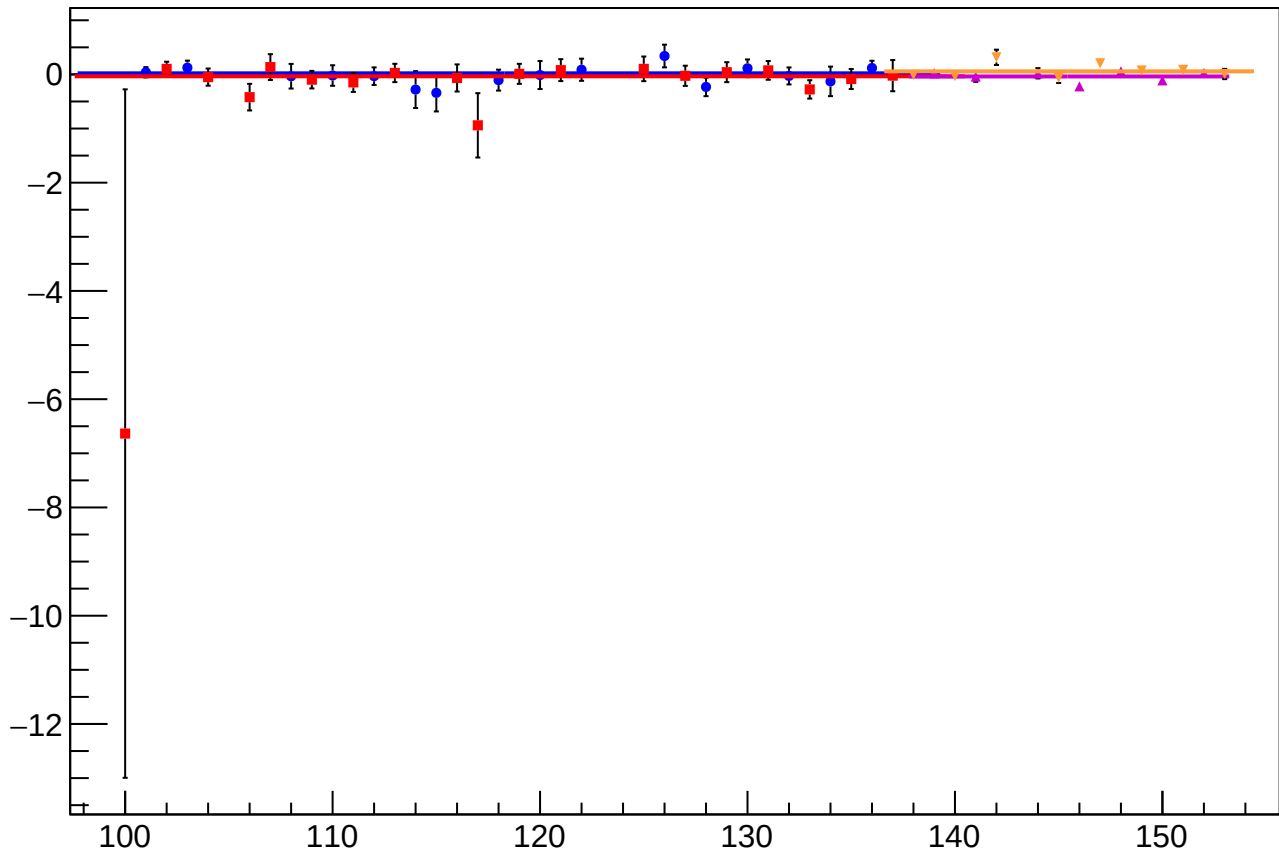
-0.007+/-0.023 χ^2/NDF : 27.0/14

0.053+/-0.033 χ^2/NDF : 10.1/6

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.056 ± 0.032 χ^2/NDF : 9.9/7

Right Out: -0.035 ± 0.045 χ^2/NDF : 11.6/18

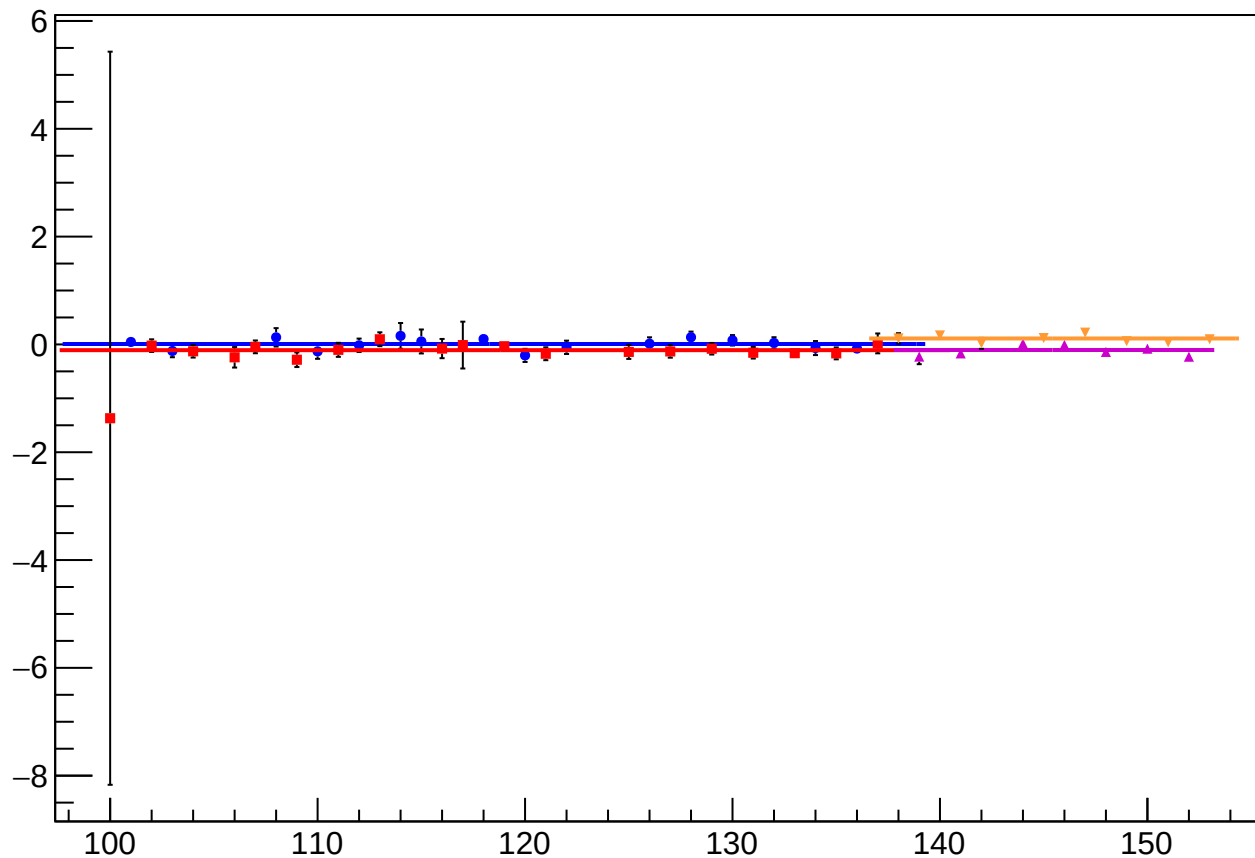
Left In: -0.038 ± 0.033 χ^2/NDF : 8.3/6

0.043 ± 0.026 χ^2/NDF : 19.4/23

0.004 ± 0.019 χ^2/NDF : 43.9/49

-0.037 ± 0.027 χ^2/NDF : 19.8/25

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: 0.110 ± 0.027 χ^2/NDF : 6.3/7

Right Out: -0.106 ± 0.029 χ^2/NDF : 8.2/18

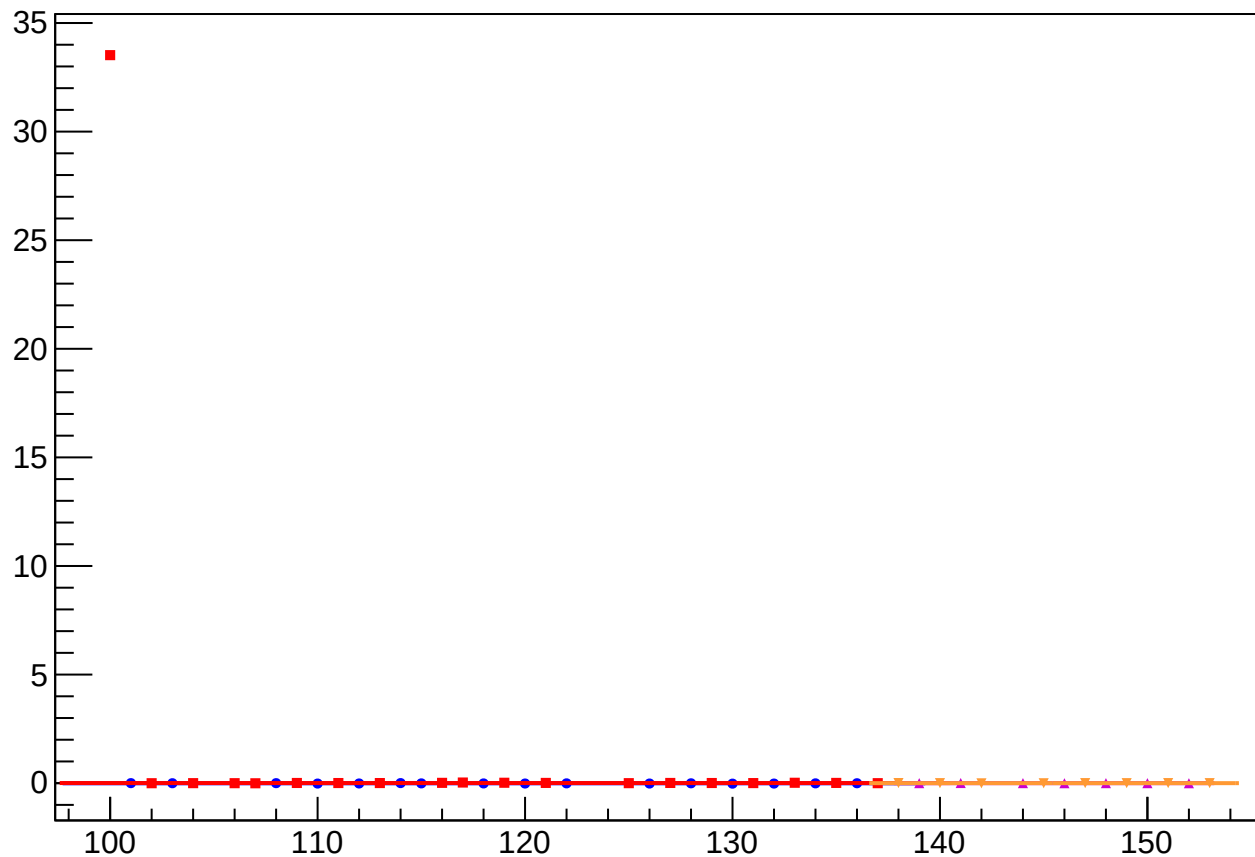
Left In: -0.104 ± 0.028 χ^2/NDF : 9.2/6

0.059 ± 0.019 χ^2/NDF : 24.7/23

-0.019 ± 0.014 χ^2/NDF : 76.9/49

-0.105 ± 0.020 χ^2/NDF : 17.4/25

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 ± 0.001 χ^2/NDF : 6.6/7

Right Out: 0.006 ± 0.001 χ^2/NDF : 26509.5/18

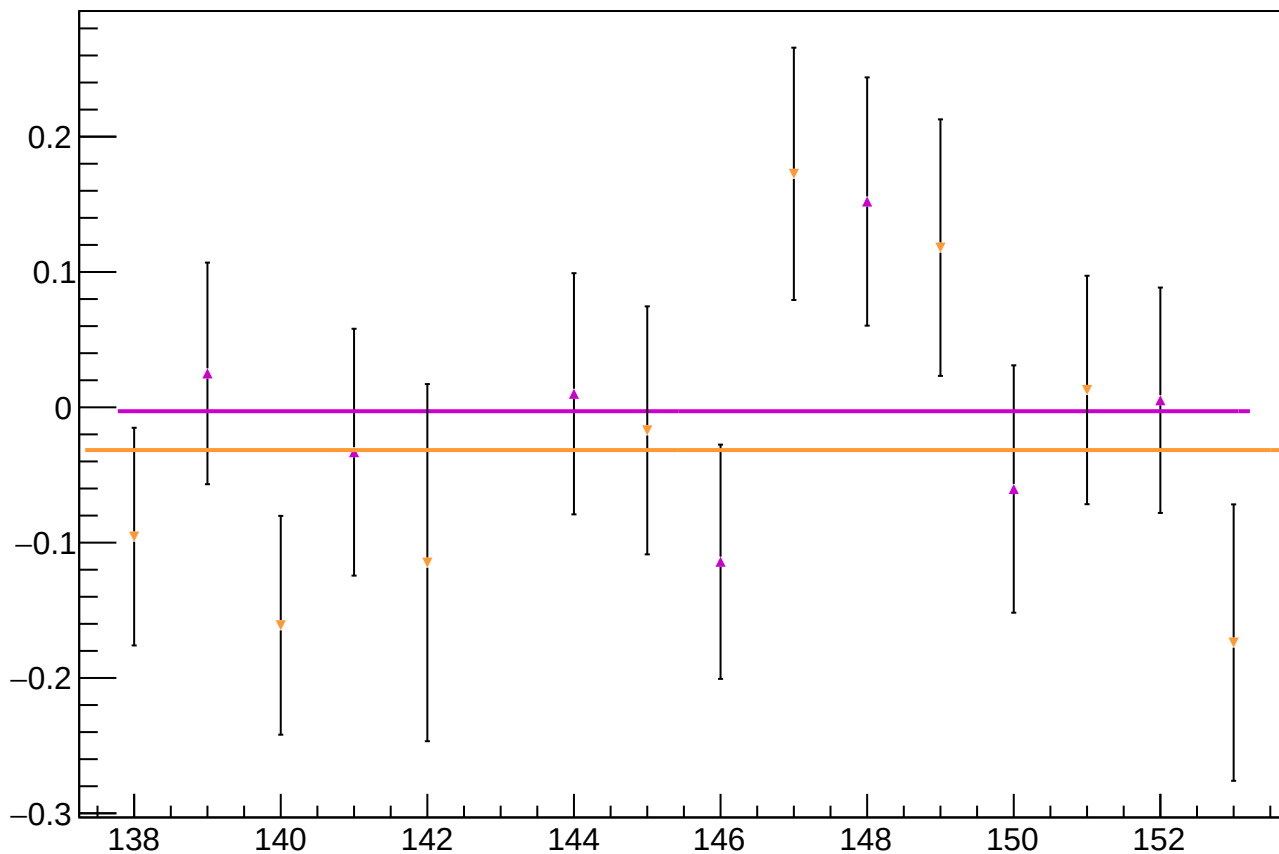
Left In: 0.001 ± 0.001 χ^2/NDF : 4.6/6

-0.002 ± 0.001 χ^2/NDF : 38.1/23

0.001 ± 0.001 χ^2/NDF : 26572.8/49

0.003 ± 0.001 χ^2/NDF : 26520.3/25

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: -0.032 $\pm$ 0.033 χ^2 /NDF:13.1/7

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

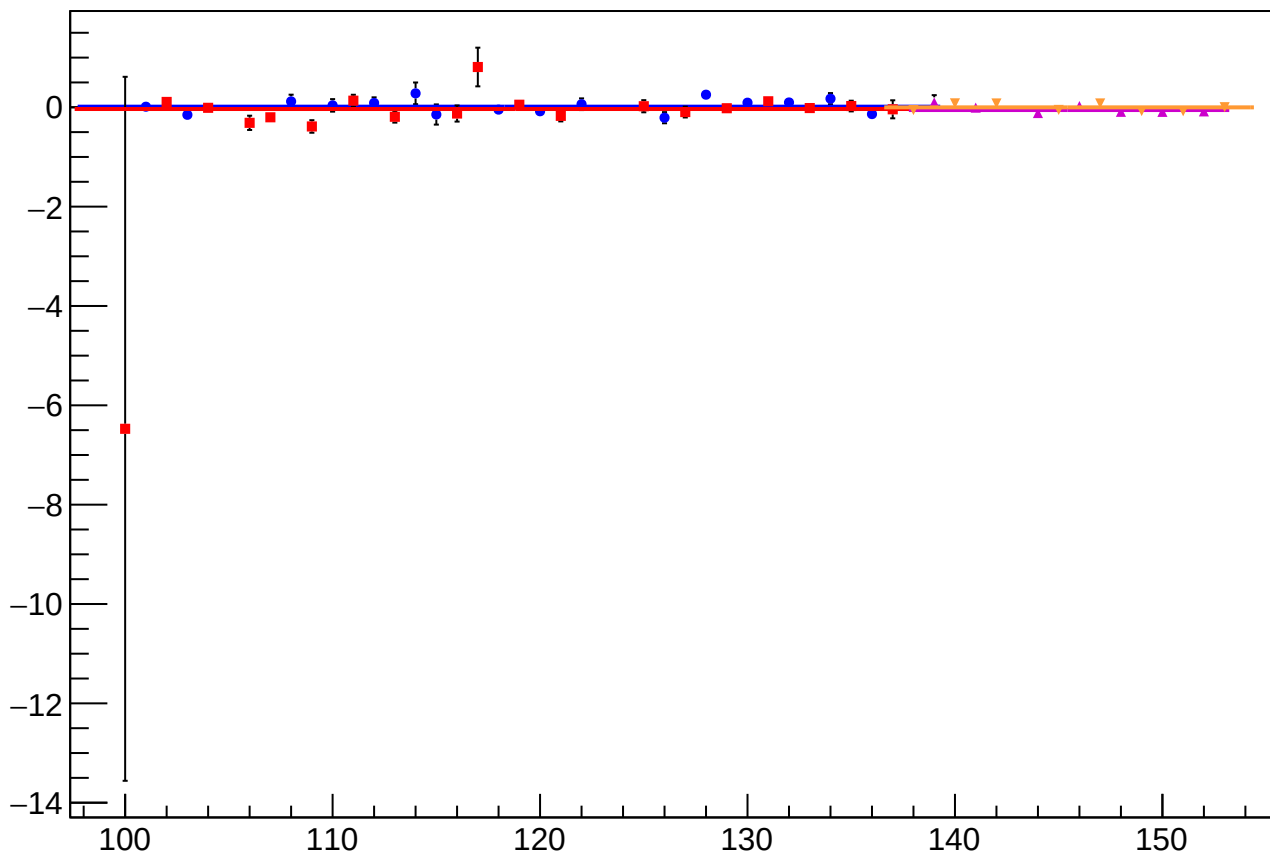
Left In: -0.003 $\pm$ 0.033 χ^2 /NDF:5.2/6

-0.032 $\pm$ 0.033 χ^2 /NDF: 13.1/7

-0.018 $\pm$ 0.023 χ^2 /NDF: 18.7/14

-0.003 $\pm$ 0.033 χ^2 /NDF: 5.2/6

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: -0.002 $\pm$ 0.022 χ^2 /NDF: 10.6/7

Right Out: -0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

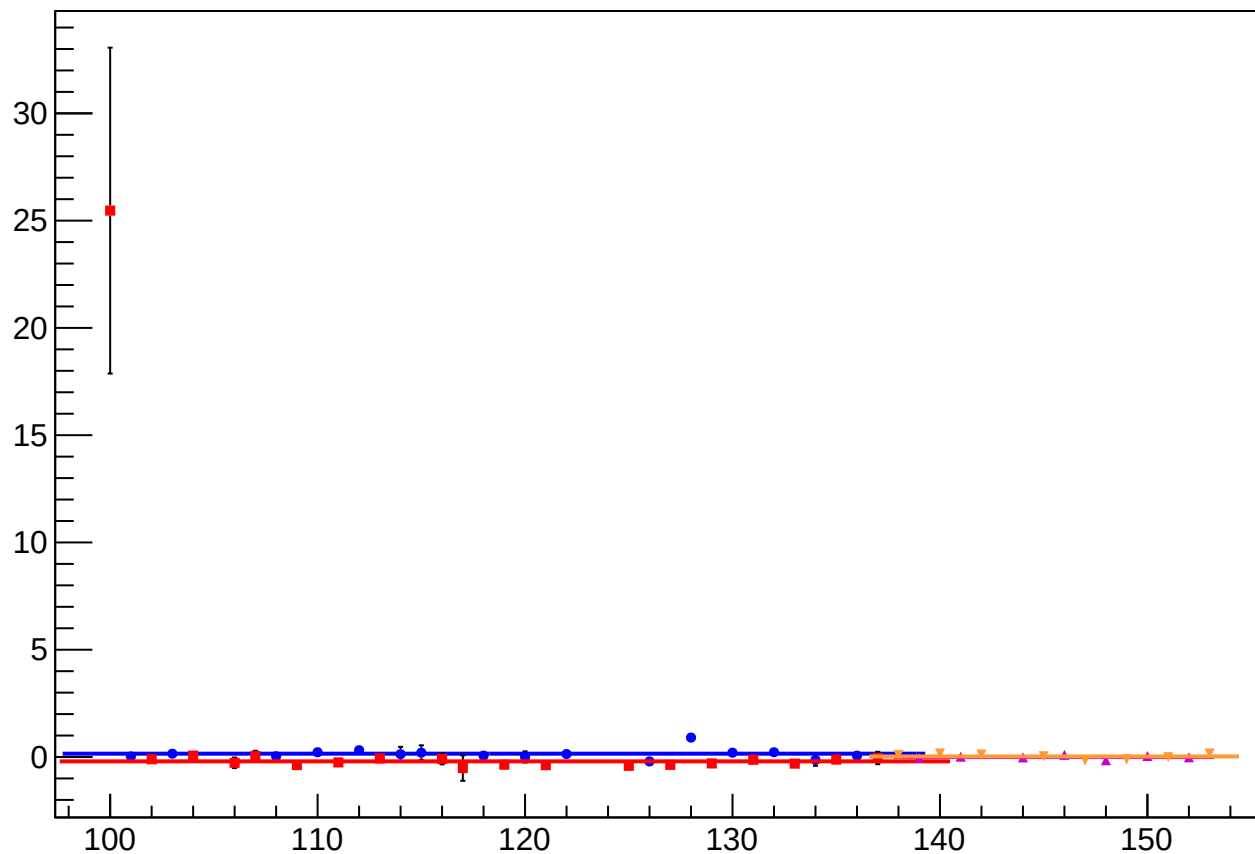
Left In: -0.055 $\pm$ 0.023 χ^2 /NDF: 6.2/6

0.005 $\pm$ 0.016 χ^2 /NDF: 35.8/23

-0.019 $\pm$ 0.012 χ^2 /NDF: 80.3/49

-0.046 $\pm$ 0.017 χ^2 /NDF: 39.7/25

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: 0.026 ± 0.032 χ^2/NDF : 12.9/7

Right Out: -0.203 ± 0.045 χ^2/NDF : 22.9/18

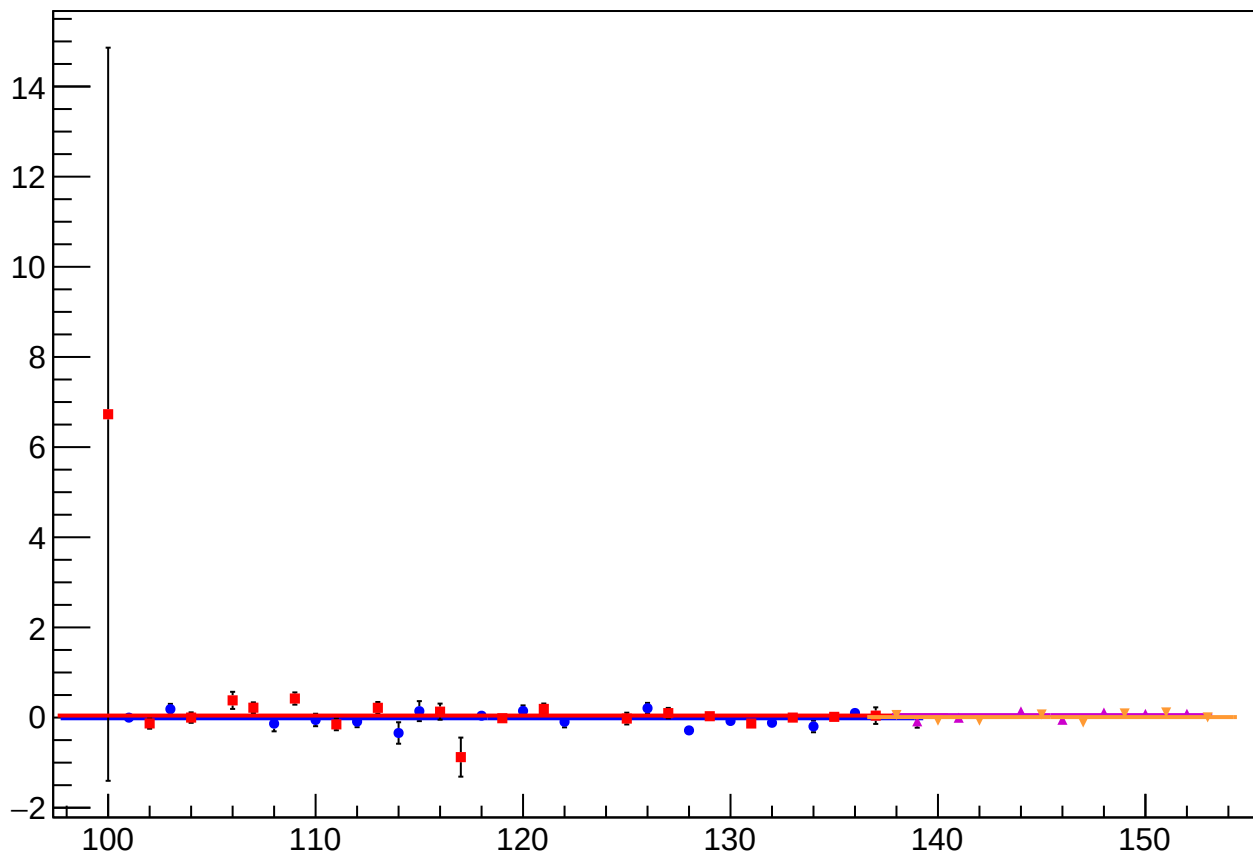
Left In: -0.004 ± 0.033 χ^2/NDF : 5.0/6

0.073 ± 0.026 χ^2/NDF : 46.5/23

0.001 ± 0.019 χ^2/NDF : 102.6/49

-0.074 ± 0.027 χ^2/NDF : 40.6/25

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 $\chi^2/\text{NDF}: 24.3/15$

Left Out: 0.011 ± 0.027 $\chi^2/\text{NDF}: 10.1/7$

Right Out: 0.044 ± 0.029 $\chi^2/\text{NDF}: 30.5/18$

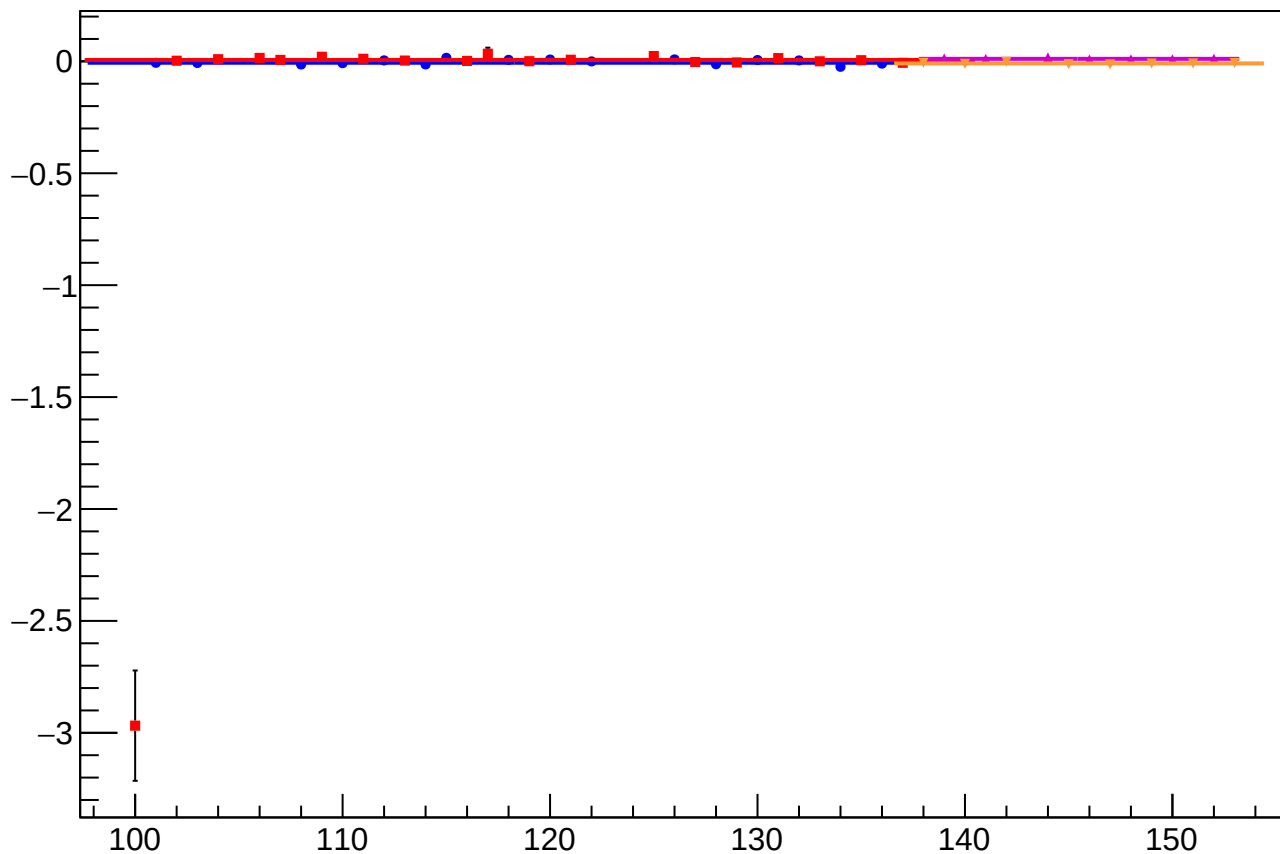
Left In: 0.055 ± 0.028 $\chi^2/\text{NDF}: 6.4/6$

-0.003 ± 0.019 $\chi^2/\text{NDF}: 34.9/23$

0.022 ± 0.014 $\chi^2/\text{NDF}: 75.3/49$

0.050 ± 0.020 $\chi^2/\text{NDF}: 36.9/25$

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 ± 0.001 χ^2/NDF : 4.9/7

Right Out: 0.006 ± 0.001 χ^2/NDF : 167.0/18

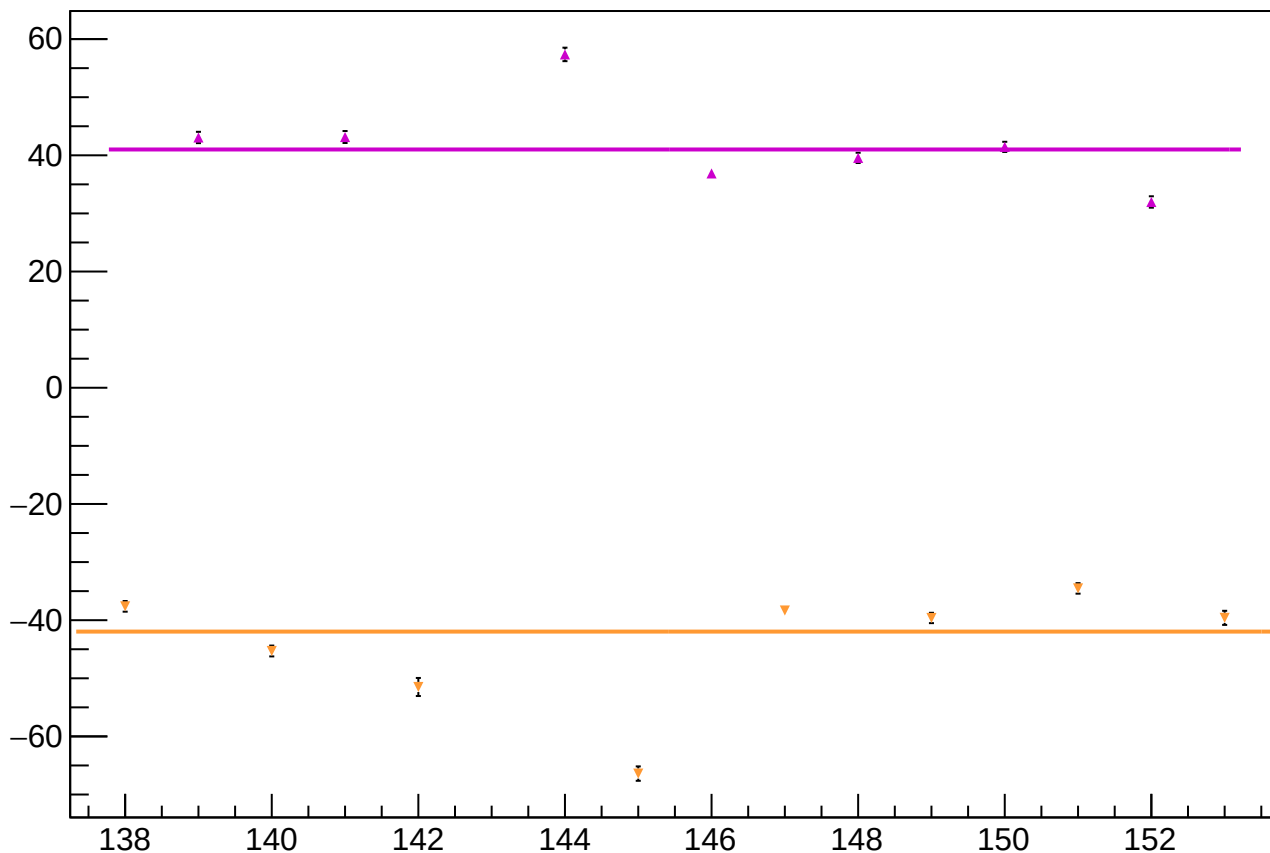
Left In: 0.011 ± 0.001 χ^2/NDF : 4.1/6

-0.008 ± 0.001 χ^2/NDF : 34.8/23

0.000 ± 0.001 χ^2/NDF : 354.4/49

0.009 ± 0.001 χ^2/NDF : 177.7/25

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: -41.961+/-0.355 χ^2/NDF : 557.4/7

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

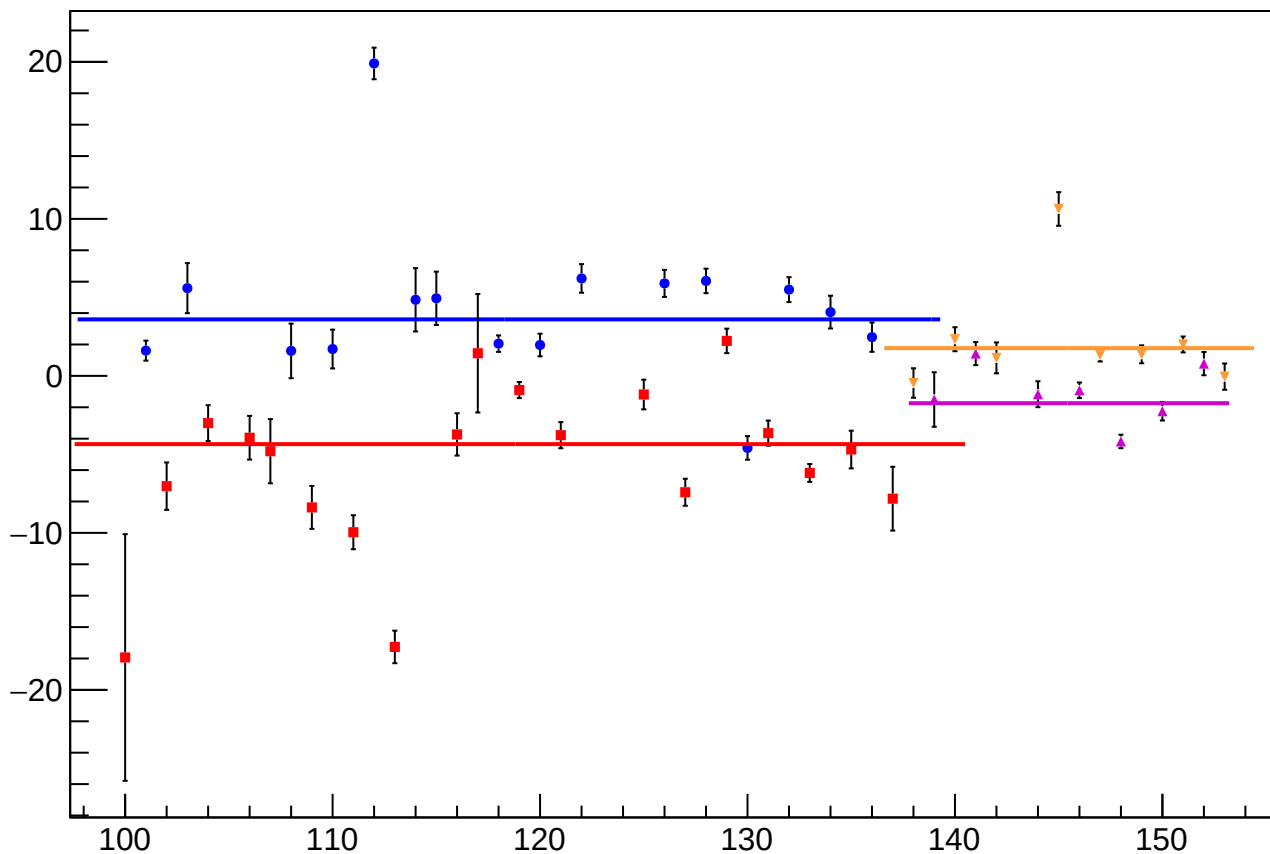
Left In: 41.003+/-0.359 χ^2/NDF : 318.9/6

-41.961+/-0.355 χ^2/NDF : 557.4/7

-0.923+/-0.253 χ^2/NDF : 27821.9/14

41.003+/-0.359 χ^2/NDF : 318.9/6

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 1.767 ± 0.229 $\chi^2/\text{NDF}: 81.6/7$

Right Out: -4.347 ± 0.224 $\chi^2/\text{NDF}: 355.4/18$

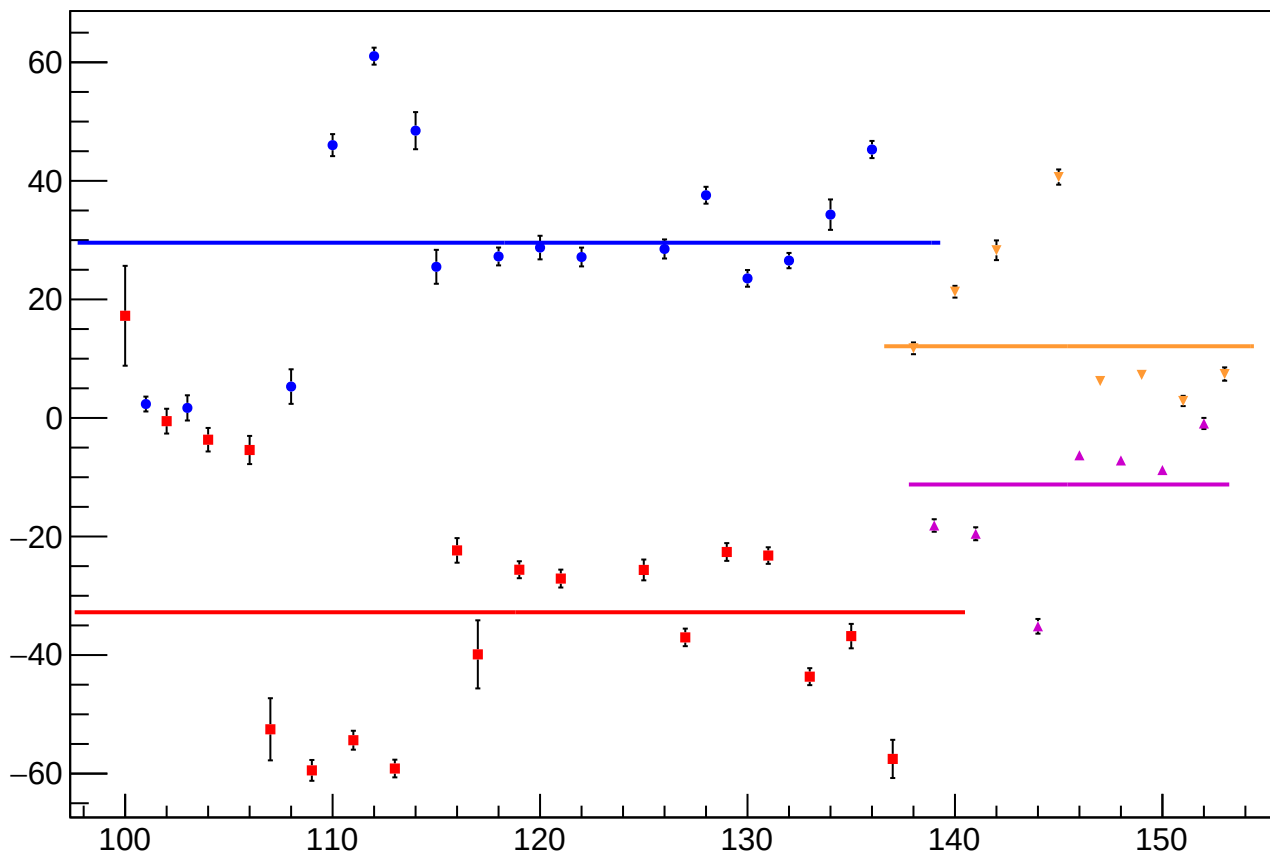
Left In: -1.741 ± 0.237 $\chi^2/\text{NDF}: 66.3/6$

2.717 ± 0.159 $\chi^2/\text{NDF}: 558.3/23$

-0.122 ± 0.114 $\chi^2/\text{NDF}: 1701.2/49$

-3.114 ± 0.163 $\chi^2/\text{NDF}: 485.5/25$

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: 12.097+/-0.351 χ^2/NDF : 891.2/7

Right Out: -32.780+/-0.422 χ^2/NDF : 1664.8/18

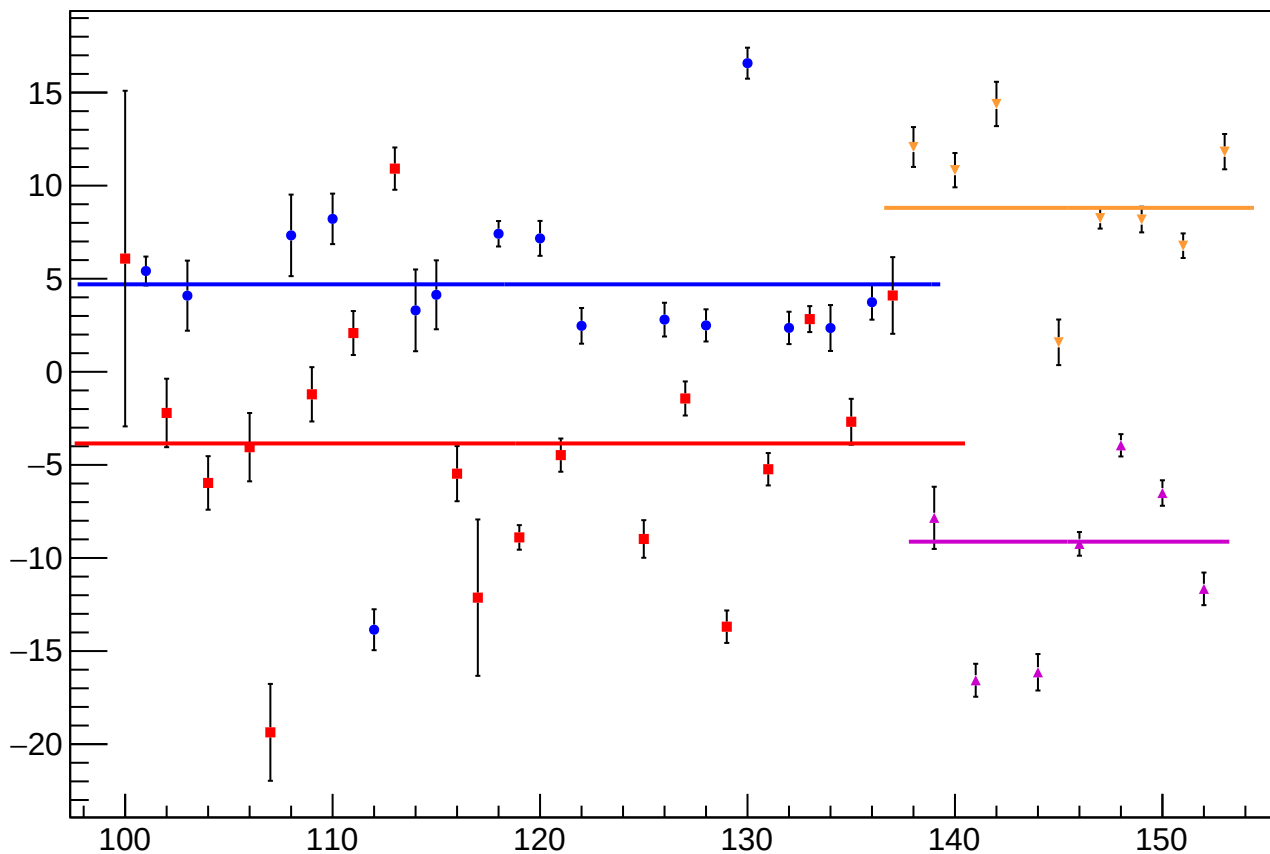
Left In: -11.225+/-0.354 χ^2/NDF : 661.8/6

19.294+/-0.269 χ^2/NDF : 3404.9/23

-0.288+/-0.191 χ^2/NDF : 17911.9/49

-20.142+/-0.271 χ^2/NDF : 3859.1/25

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: 8.807 ± 0.288 $\chi^2/\text{NDF}: 92.3/7$

Right Out: -3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

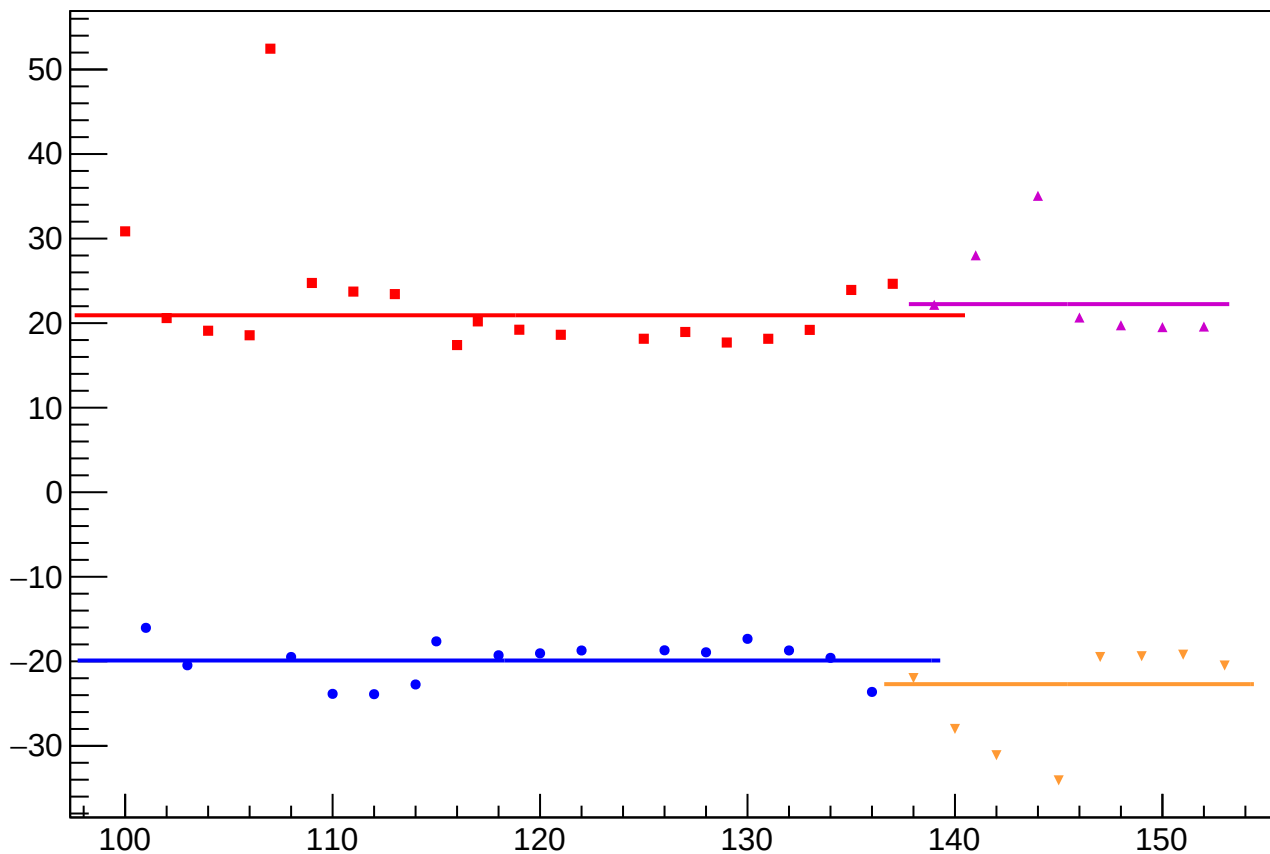
Left In: -9.124 ± 0.297 $\chi^2/\text{NDF}: 220.2/6$

6.499 ± 0.190 $\chi^2/\text{NDF}: 755.8/23$

0.327 ± 0.136 $\chi^2/\text{NDF}: 3875.3/49$

-6.120 ± 0.195 $\chi^2/\text{NDF}: 971.8/25$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -22.699 ± 0.015 $\chi^2/\text{NDF}: 108238.6/7$

Right Out: 20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

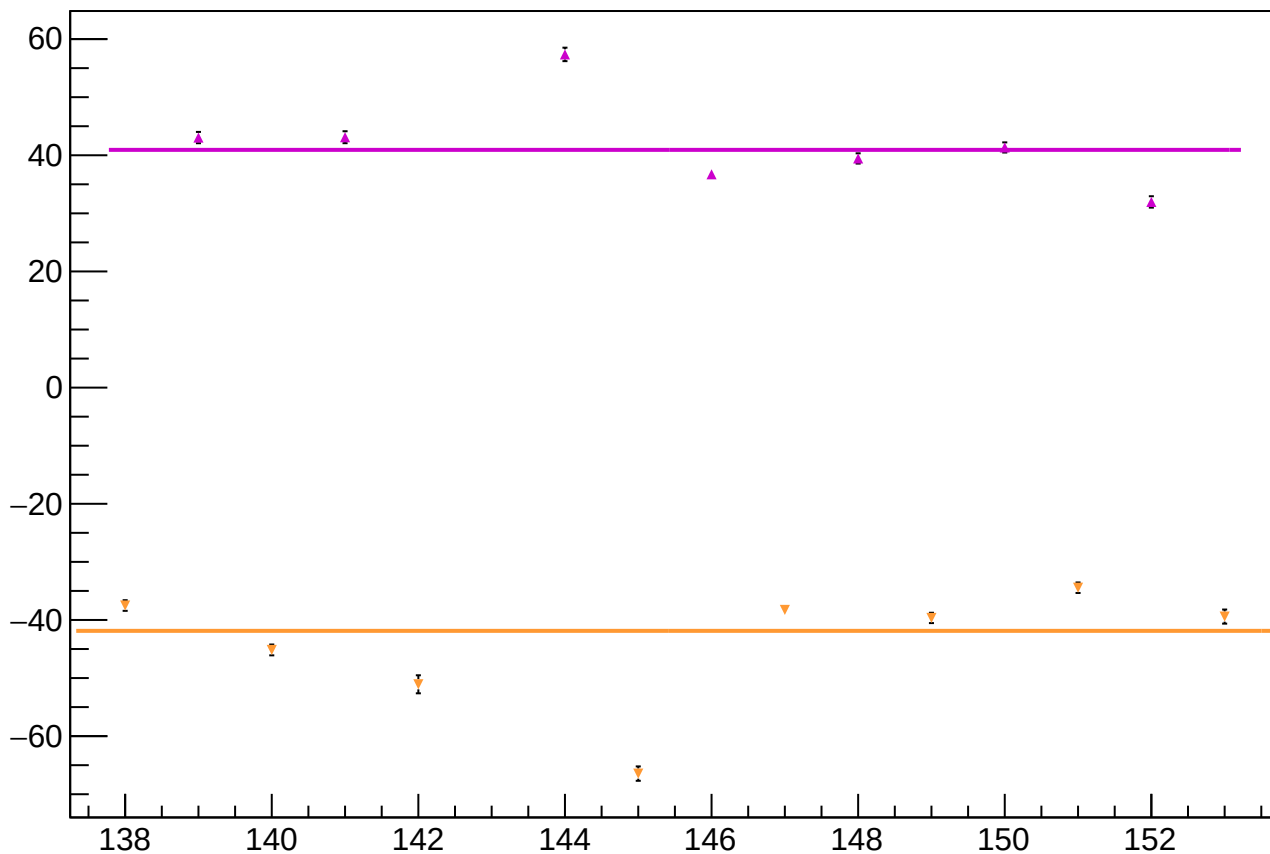
Left In: 22.248 ± 0.015 $\chi^2/\text{NDF}: 90139.4/6$

-21.382 ± 0.011 $\chi^2/\text{NDF}: 151192.7/23$

0.118 ± 0.008 $\chi^2/\text{NDF}: 8360868.1/49$

21.630 ± 0.011 $\chi^2/\text{NDF}: 187917.5/25$

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: -41.873+/-0.355 χ^2/NDF : 559.0/7

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

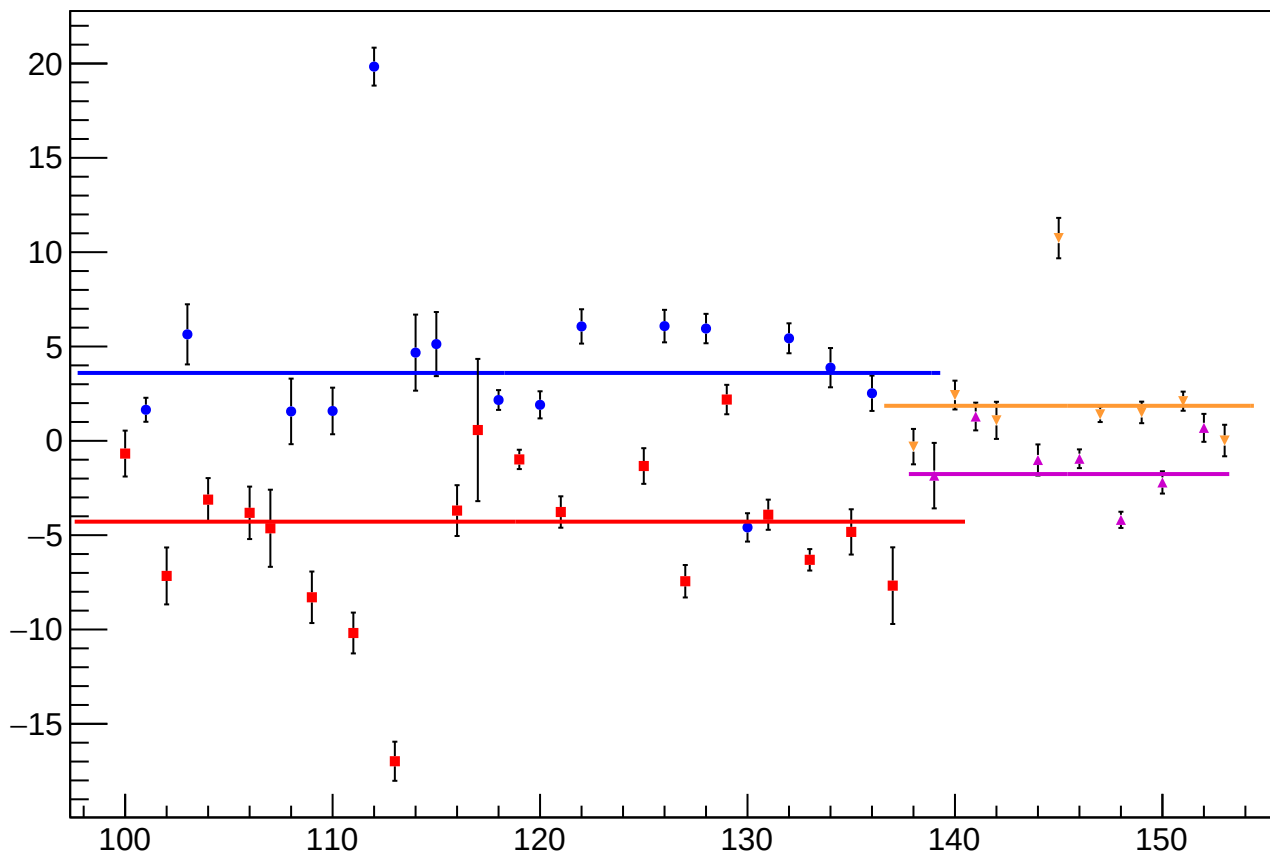
Left In: 40.931+/-0.359 χ^2/NDF : 321.1/6

-41.873+/-0.355 χ^2/NDF : 559.0/7

-0.911+/-0.253 χ^2/NDF : 27754.6/14

40.931+/-0.359 χ^2/NDF : 321.1/6

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: 1.857 ± 0.229 χ^2/NDF : 82.1/7

Right Out: -4.284 ± 0.221 χ^2/NDF : 353.8/18

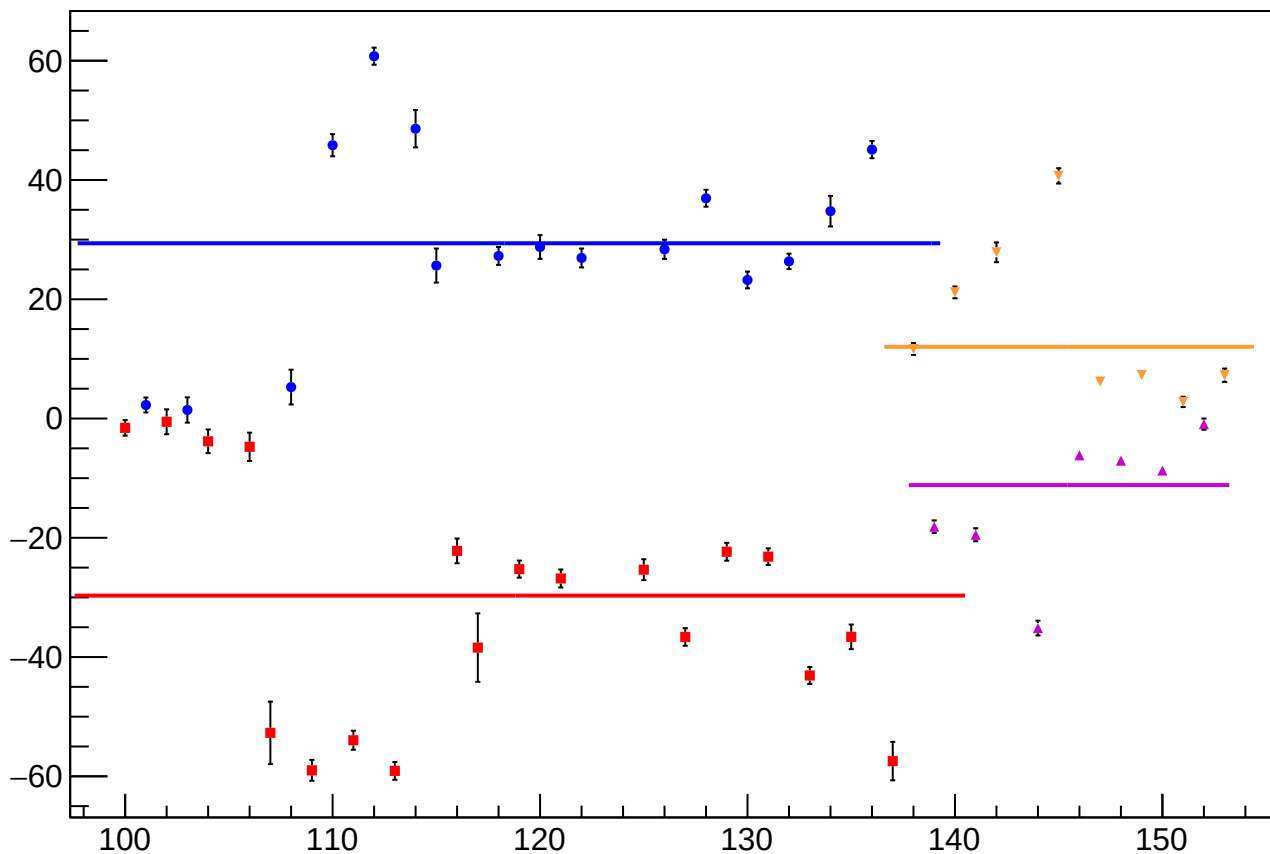
Left In: -1.761 ± 0.237 χ^2/NDF : 64.3/6

2.761 ± 0.159 χ^2/NDF : 552.5/23

-0.123 ± 0.113 χ^2/NDF : 1704.9/49

-3.111 ± 0.161 χ^2/NDF : 478.9/25

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: 12.025+/-0.351 χ^2/NDF : 890.0/7

Right Out: -29.695+/-0.401 χ^2/NDF : 2133.3/18

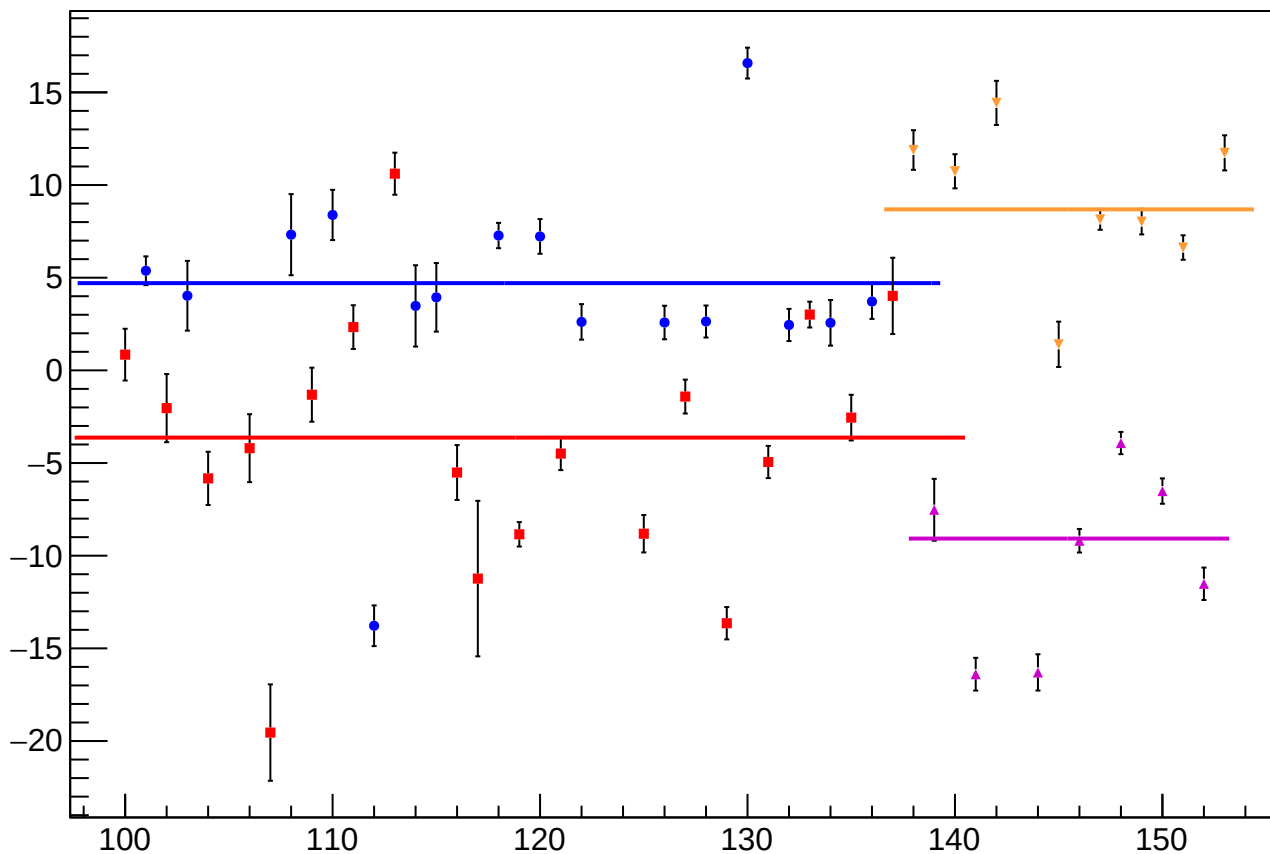
Left In: -11.163+/-0.354 χ^2/NDF : 664.9/6

19.180+/-0.269 χ^2/NDF : 3386.8/23

-0.310+/-0.189 χ^2/NDF : 17729.6/49

-19.269+/-0.265 χ^2/NDF : 3997.6/25

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 8.686 ± 0.288 χ^2/NDF : 94.6/7

Right Out: -3.629 ± 0.254 χ^2/NDF : 576.7/18

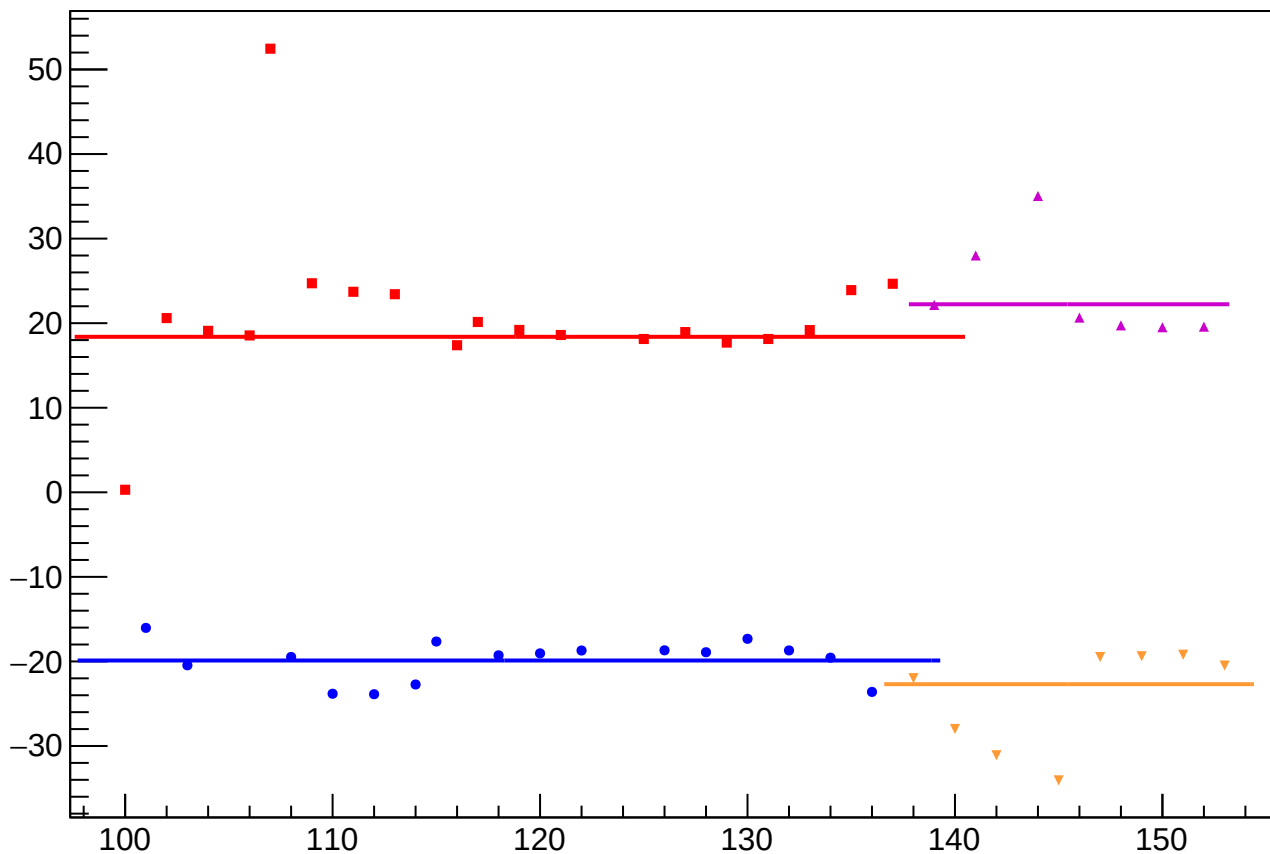
Left In: -9.076 ± 0.296 χ^2/NDF : 219.7/6

6.450 ± 0.190 χ^2/NDF : 747.4/23

0.337 ± 0.135 χ^2/NDF : 3828.7/49

-5.931 ± 0.193 χ^2/NDF : 991.4/25

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890+/-0.016 χ^2/NDF : 26044.4/15

Left Out: -22.691+/-0.015 χ^2/NDF : 108298.1/7

Right Out: 18.386+/-0.015 χ^2/NDF : 301044.3/18

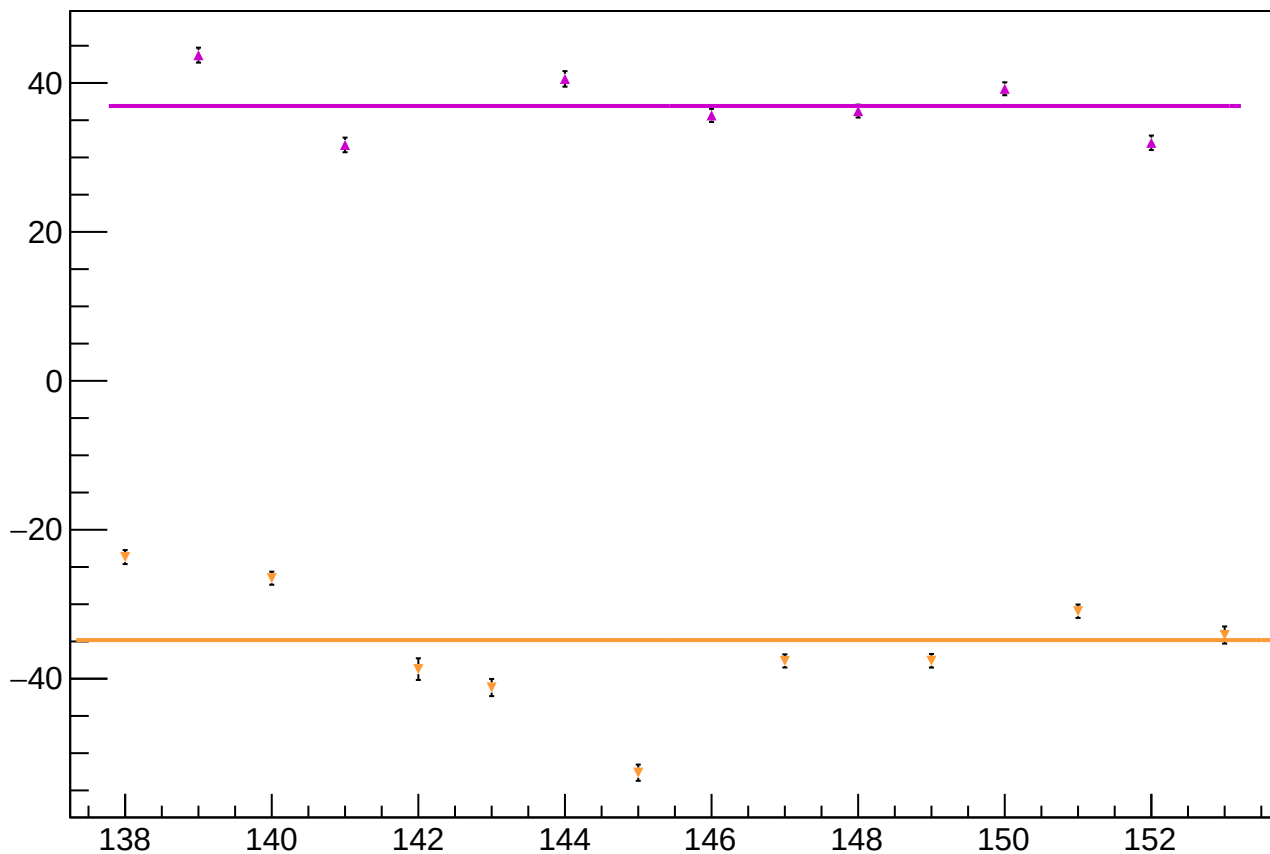
Left In: 22.237+/-0.015 χ^2/NDF : 90094.4/6

-21.372+/-0.011 χ^2/NDF : 151311.1/23

0.101+/-0.007 χ^2/NDF : 8350118.5/49

20.311+/-0.010 χ^2/NDF : 425349.0/25

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: -34.812+/-0.334 χ^2/NDF : 571.9/8

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

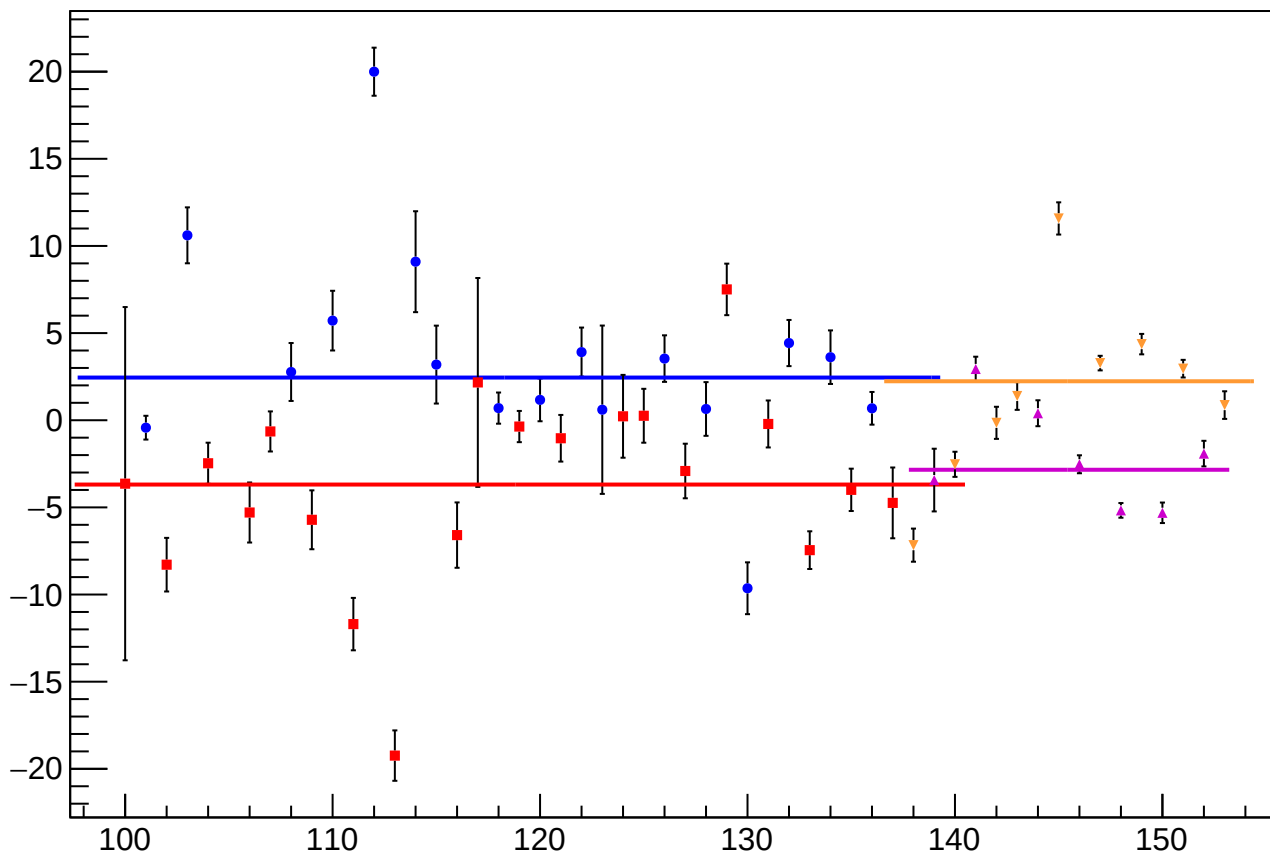
Left In: 36.913+/-0.355 χ^2/NDF : 122.0/6

-34.812+/-0.334 χ^2/NDF : 571.9/8

-1.152+/-0.243 χ^2/NDF : 22304.0/15

36.913+/-0.355 χ^2/NDF : 122.0/6

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: 2.236 ± 0.218 χ^2/NDF : 276.0/8

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

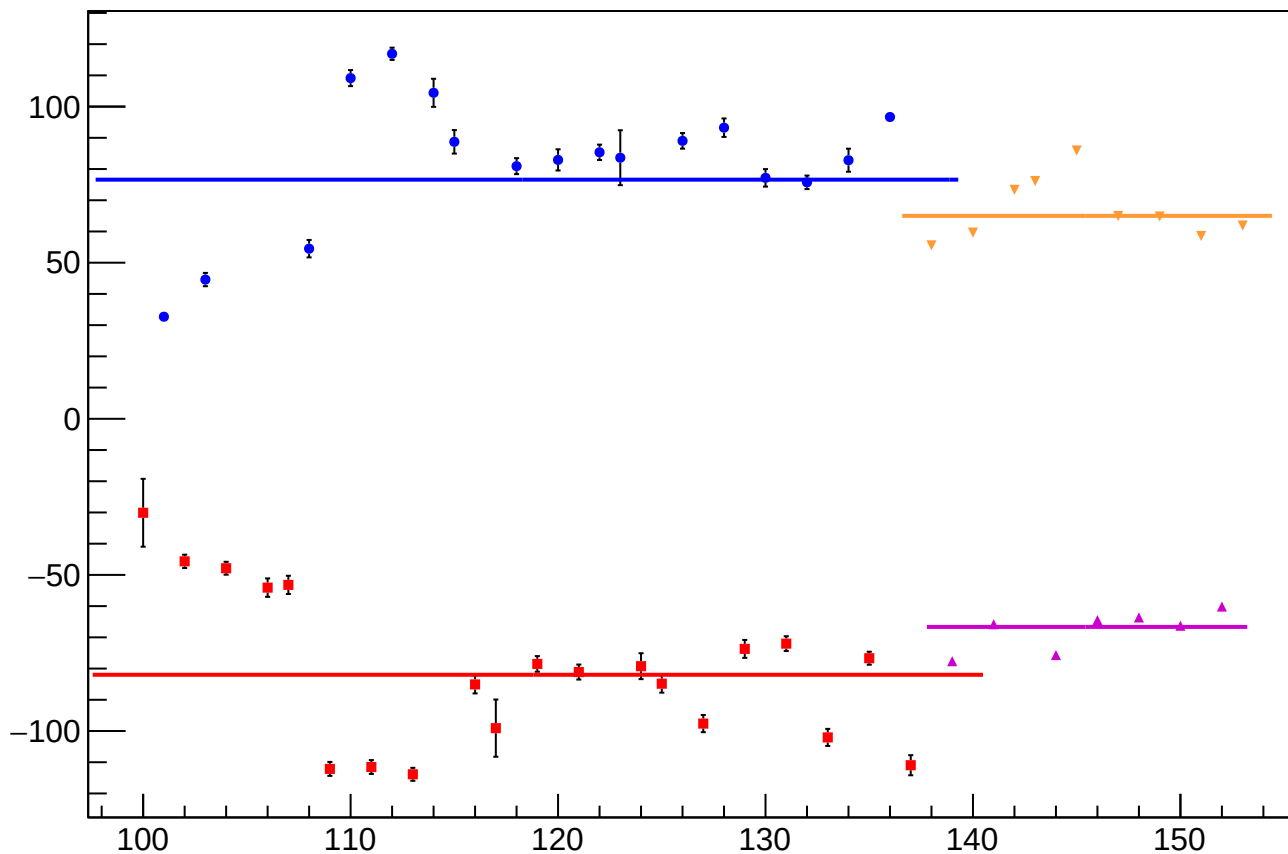
Left In: -2.841 ± 0.234 χ^2/NDF : 136.9/6

2.305 ± 0.179 χ^2/NDF : 571.6/25

-0.251 ± 0.130 χ^2/NDF : 1416.8/52

-3.130 ± 0.190 χ^2/NDF : 411.7/26

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 ± 0.576 $\chi^2/\text{NDF}: 2255.1/16$

Left Out: 65.006 ± 0.333 $\chi^2/\text{NDF}: 632.4/8$

Right Out: -81.987 ± 0.591 $\chi^2/\text{NDF}: 1574.2/19$

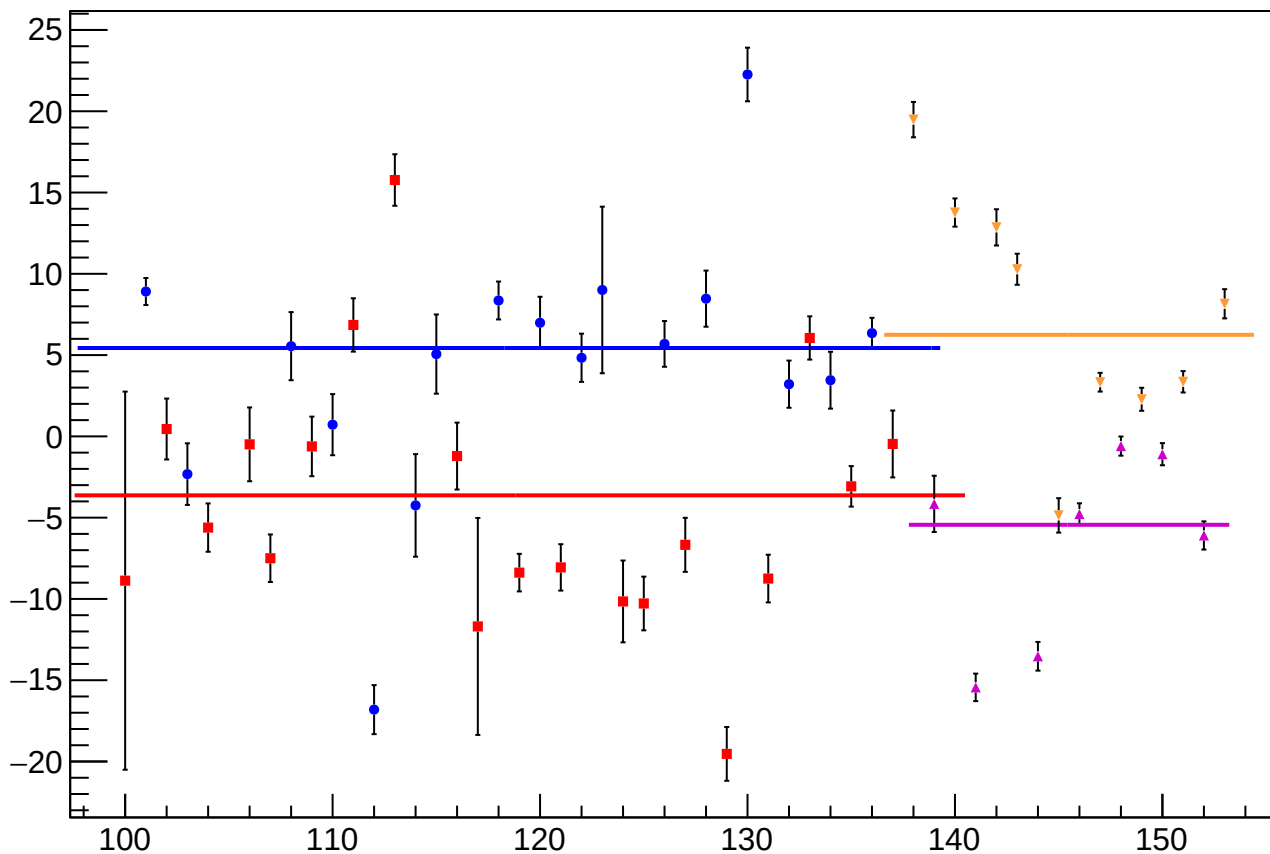
Left In: -66.658 ± 0.351 $\chi^2/\text{NDF}: 237.1/6$

67.911 ± 0.288 $\chi^2/\text{NDF}: 3191.0/25$

1.752 ± 0.208 $\chi^2/\text{NDF}: 115732.8/52$

-70.655 ± 0.302 $\chi^2/\text{NDF}: 2309.0/26$

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 6.247 ± 0.272 χ^2/NDF : 466.8/8

Right Out: -3.628 ± 0.374 χ^2/NDF : 424.8/19

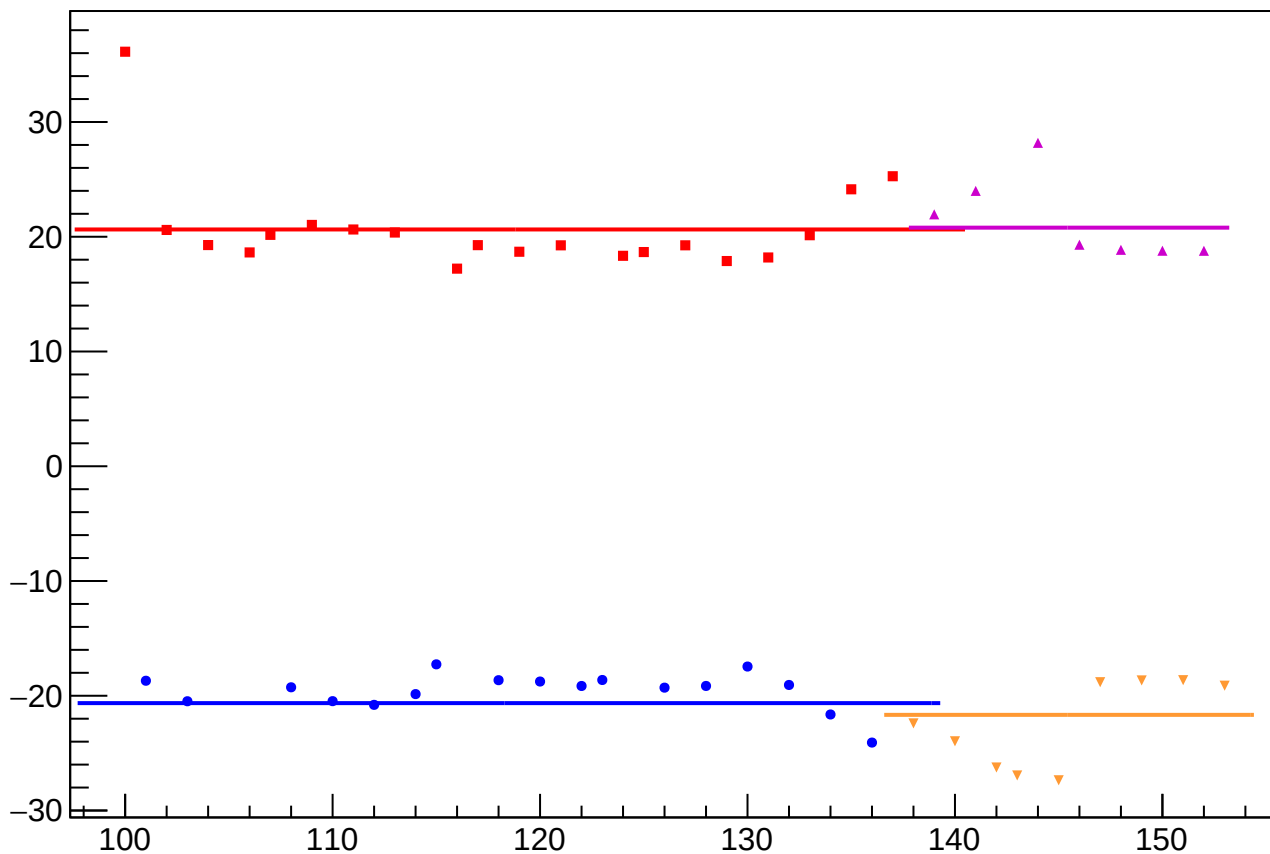
Left In: -5.440 ± 0.293 χ^2/NDF : 334.0/6

5.953 ± 0.217 χ^2/NDF : 857.3/25

0.922 ± 0.158 χ^2/NDF : 2772.9/52

-4.752 ± 0.231 χ^2/NDF : 773.3/26

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -21.664 ± 0.014 $\chi^2/\text{NDF}: 59318.5/8$

Right Out: 20.635 ± 0.019 $\chi^2/\text{NDF}: 13794.0/19$

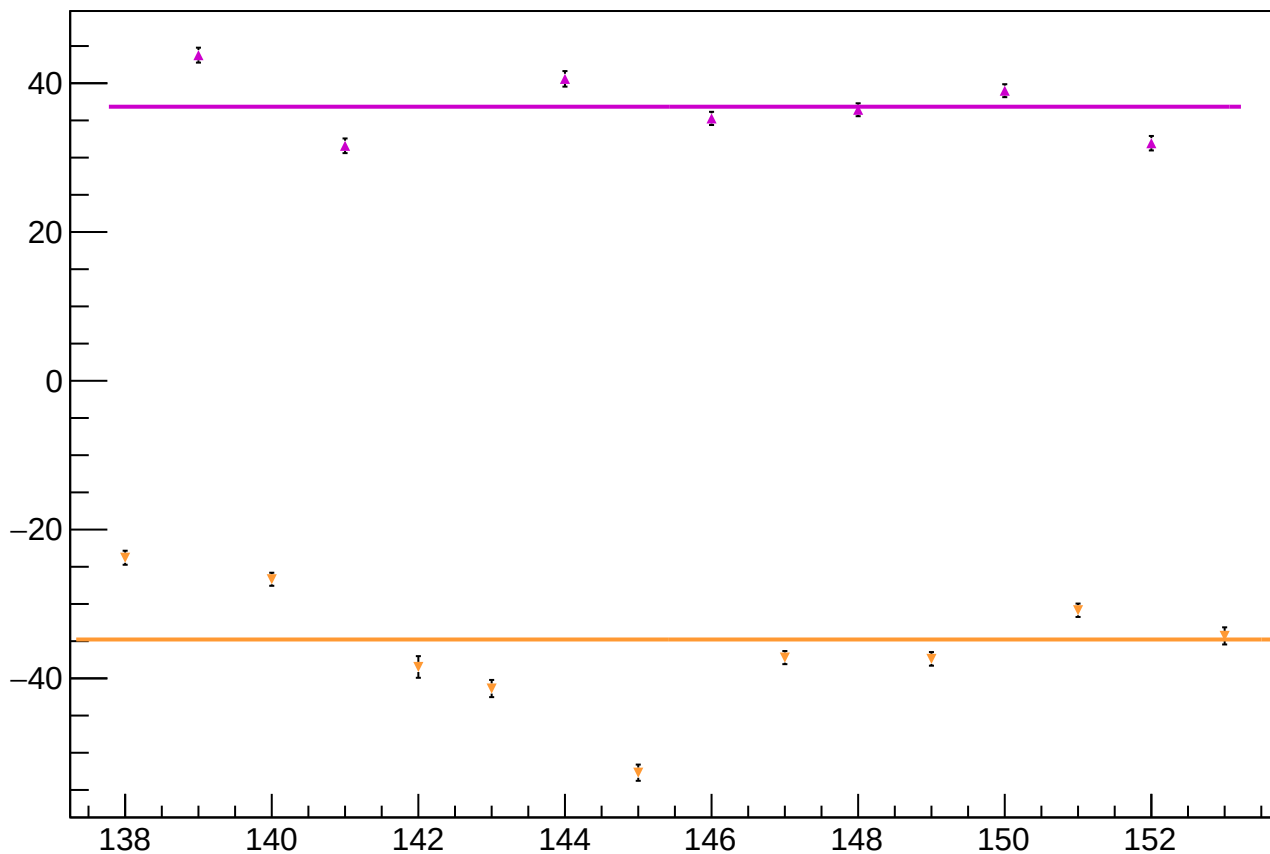
Left In: 20.792 ± 0.015 $\chi^2/\text{NDF}: 40290.1/6$

-21.316 ± 0.011 $\chi^2/\text{NDF}: 73592.4/25$

-0.992 ± 0.008 $\chi^2/\text{NDF}: 6828849.3/52$

20.736 ± 0.012 $\chi^2/\text{NDF}: 54126.0/26$

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: -34.775+/-0.334 χ^2/NDF : 563.9/8

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

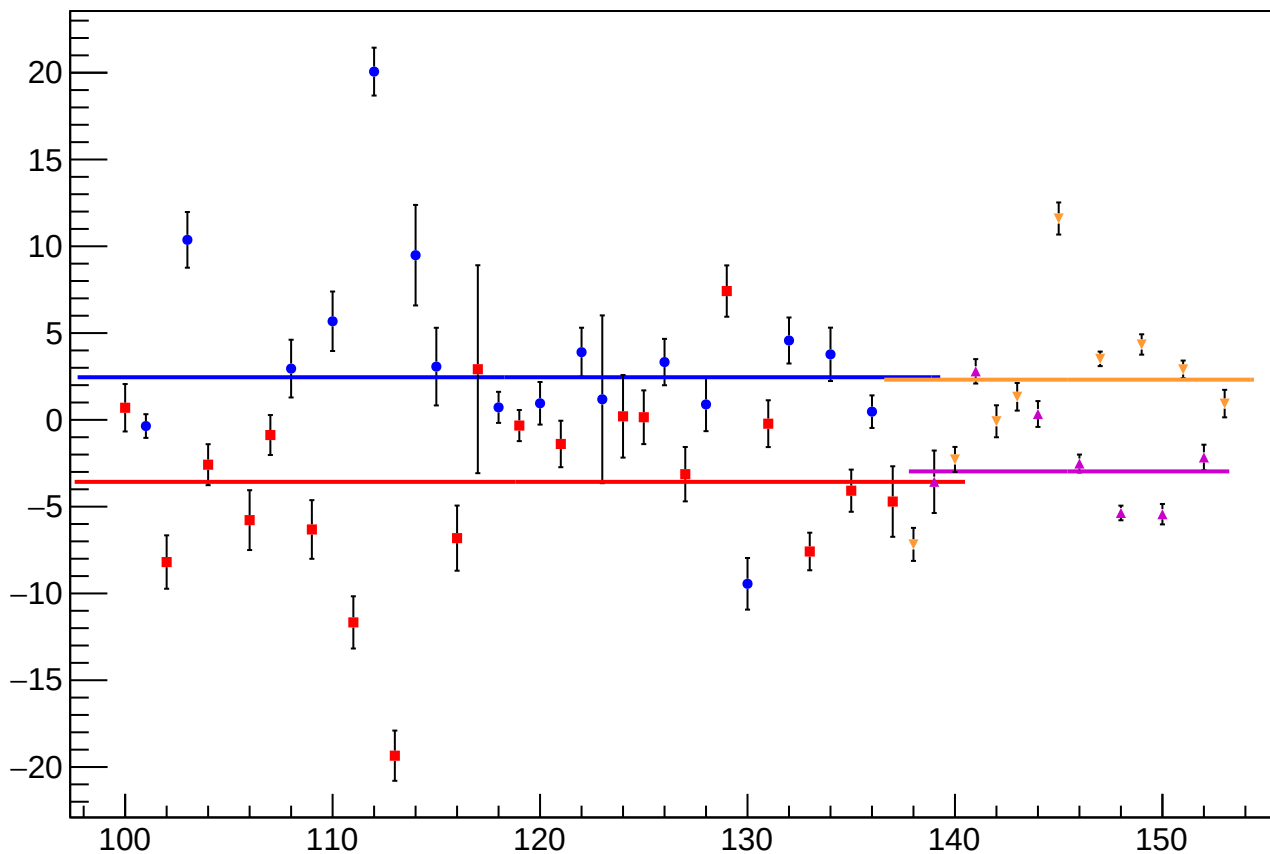
Left In: 36.843+/-0.356 χ^2/NDF : 123.6/6

-34.775+/-0.334 χ^2/NDF : 563.9/8

-1.168+/-0.244 χ^2/NDF : 22205.4/15

36.843+/-0.356 χ^2/NDF : 123.6/6

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: 2.316 ± 0.218 χ^2/NDF : 273.8/8

Right Out: -3.571 ± 0.317 χ^2/NDF : 281.0/19

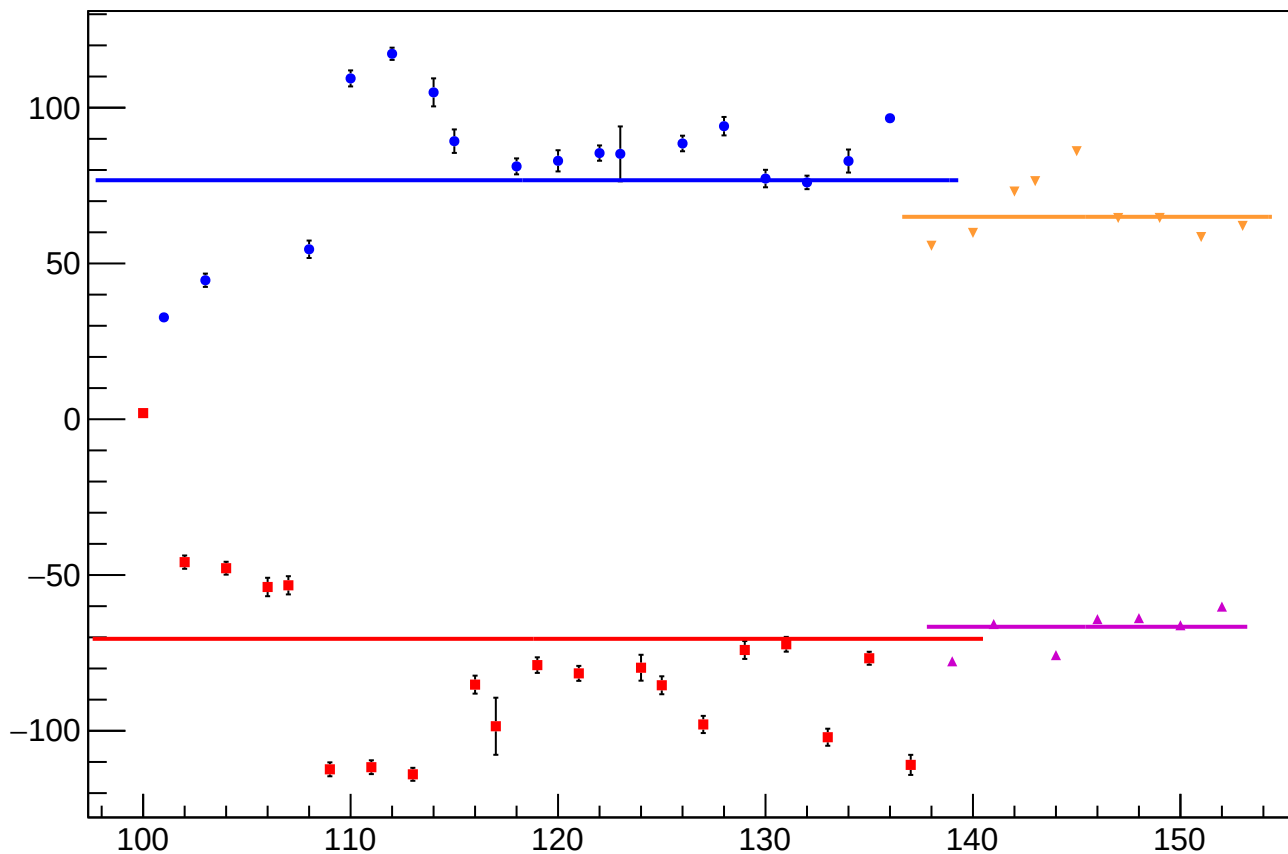
Left In: -2.968 ± 0.234 χ^2/NDF : 138.7/6

2.361 ± 0.179 χ^2/NDF : 567.5/25

-0.271 ± 0.130 χ^2/NDF : 1444.2/52

-3.181 ± 0.188 χ^2/NDF : 422.1/26

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 ± 0.576 χ^2/NDF : 2266.6/16

Left Out: 64.974 ± 0.333 χ^2/NDF : 632.9/8

Right Out: -70.477 ± 0.549 χ^2/NDF : 4400.1/19

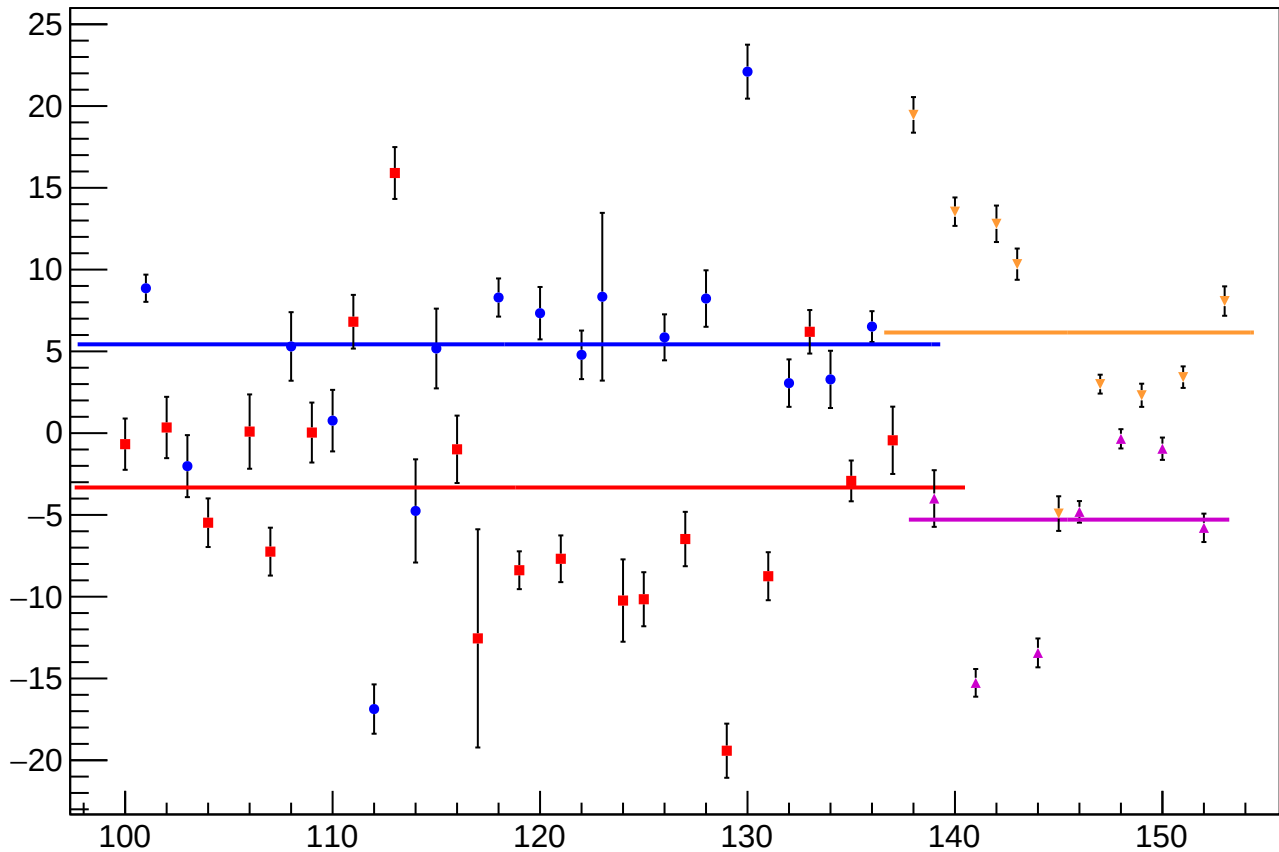
Left In: -66.612 ± 0.351 χ^2/NDF : 238.9/6

67.916 ± 0.289 χ^2/NDF : 3210.4/25

1.770 ± 0.207 χ^2/NDF : 115651.5/52

-67.734 ± 0.296 χ^2/NDF : 4674.2/26

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 6.154 ± 0.272 χ^2/NDF : 466.5/8

Right Out: -3.323 ± 0.365 χ^2/NDF : 428.0/19

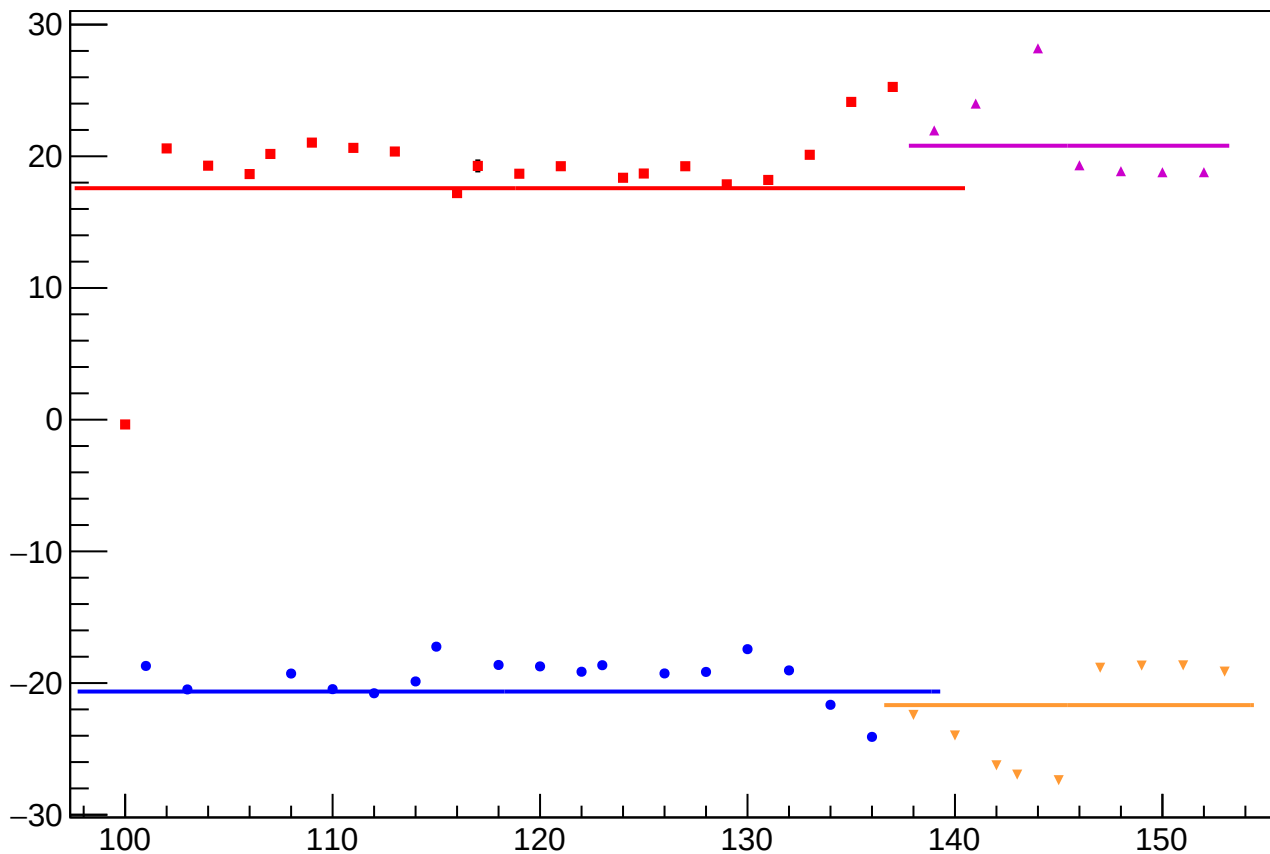
Left In: -5.288 ± 0.293 χ^2/NDF : 336.2/6

5.891 ± 0.217 χ^2/NDF : 855.0/25

0.945 ± 0.157 χ^2/NDF : 2727.4/52

-4.517 ± 0.228 χ^2/NDF : 781.8/26

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: -21.675+/-0.014 χ^2/NDF : 59177.8/8

Right Out: 17.577+/-0.018 χ^2/NDF : 178343.3/19

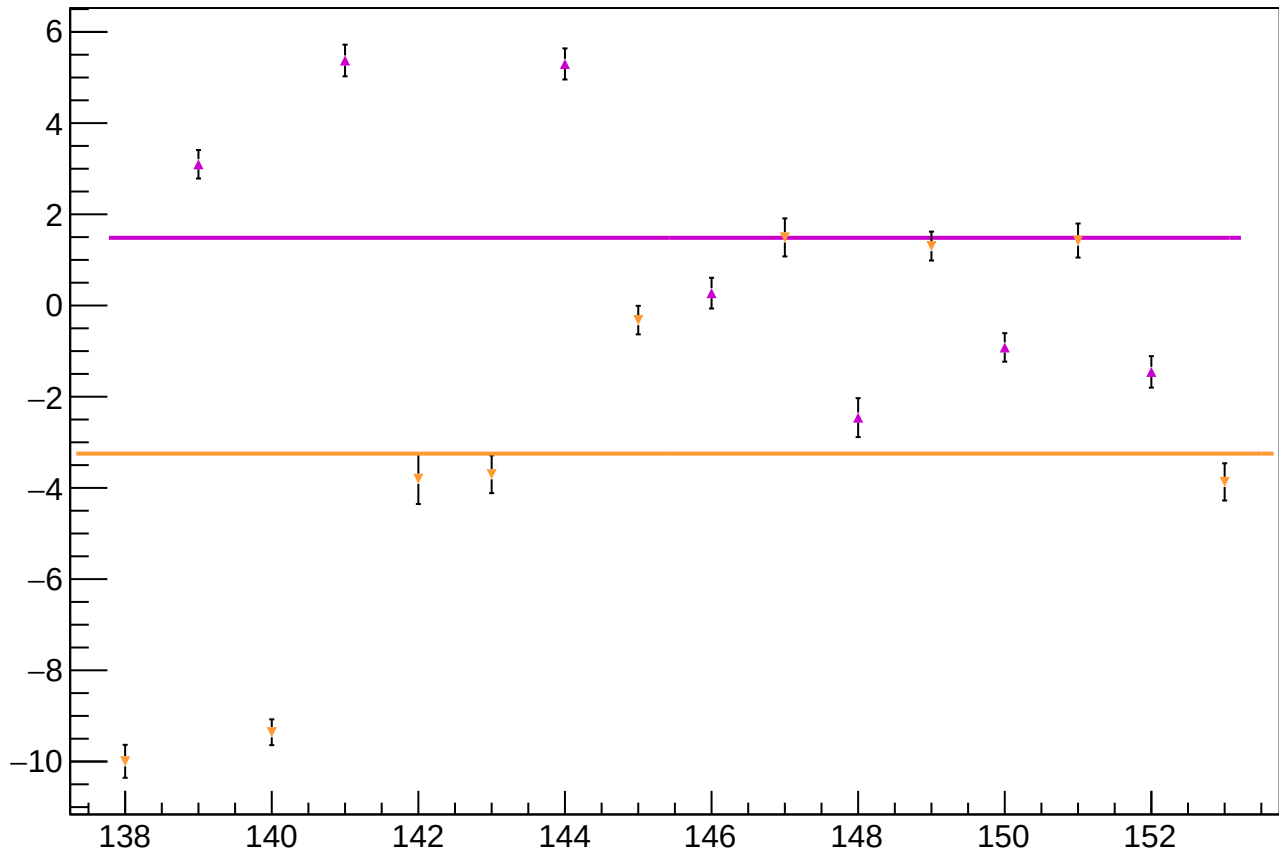
Left In: 20.802+/-0.015 χ^2/NDF : 40243.5/6

-21.323+/-0.011 χ^2/NDF : 73518.3/25

-0.994+/-0.008 χ^2/NDF : 6814380.3/52

19.522+/-0.011 χ^2/NDF : 237911.8/26

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: -3.248+/-0.121 χ^2/NDF : 1398.8/8

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

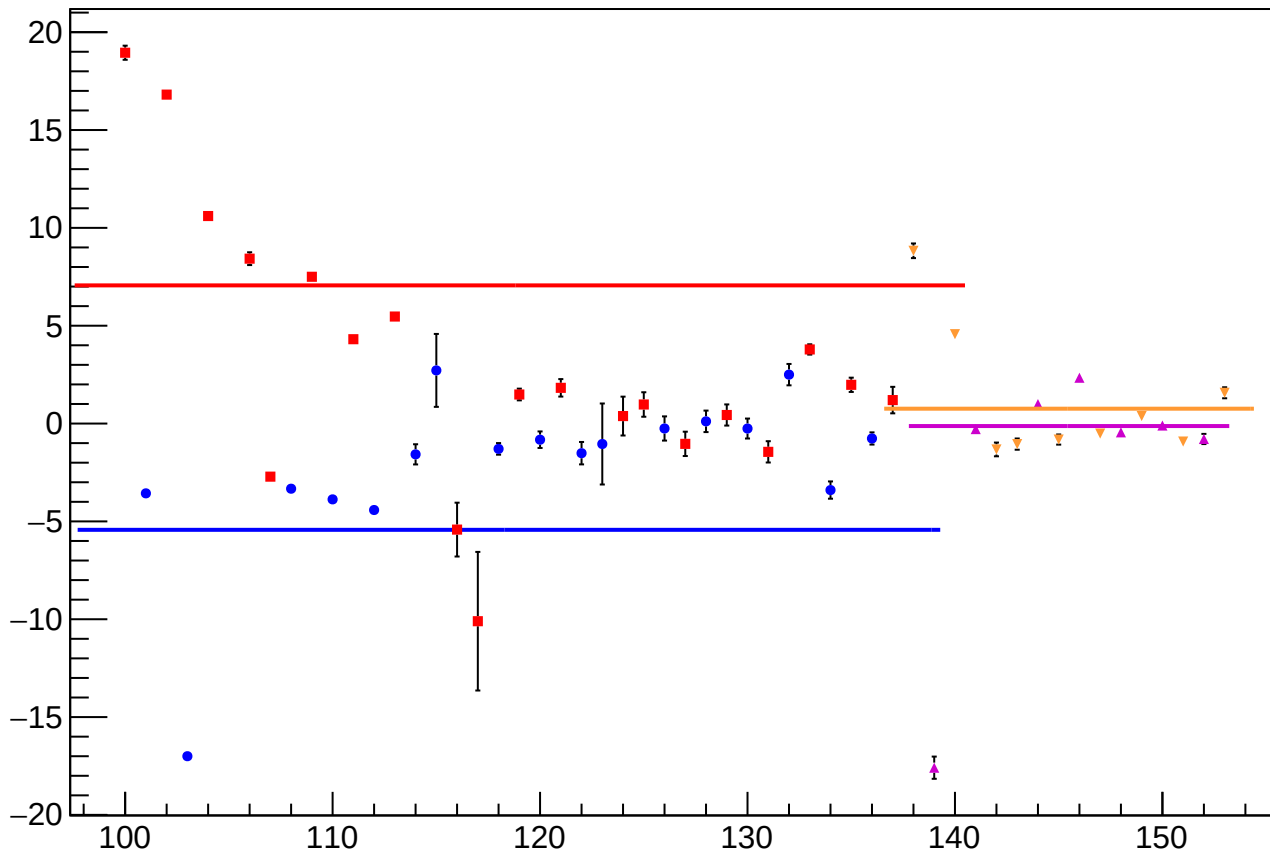
Left In: 1.485+/-0.129 χ^2/NDF : 507.5/6

-3.248+/-0.121 χ^2/NDF : 1398.8/8

-1.033+/-0.088 χ^2/NDF : 2622.4/15

1.485+/-0.129 χ^2/NDF : 507.5/6

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.760 ± 0.084 χ^2/NDF : 947.7/8

Right Out: 7.061 ± 0.059 χ^2/NDF : 12330.1/19

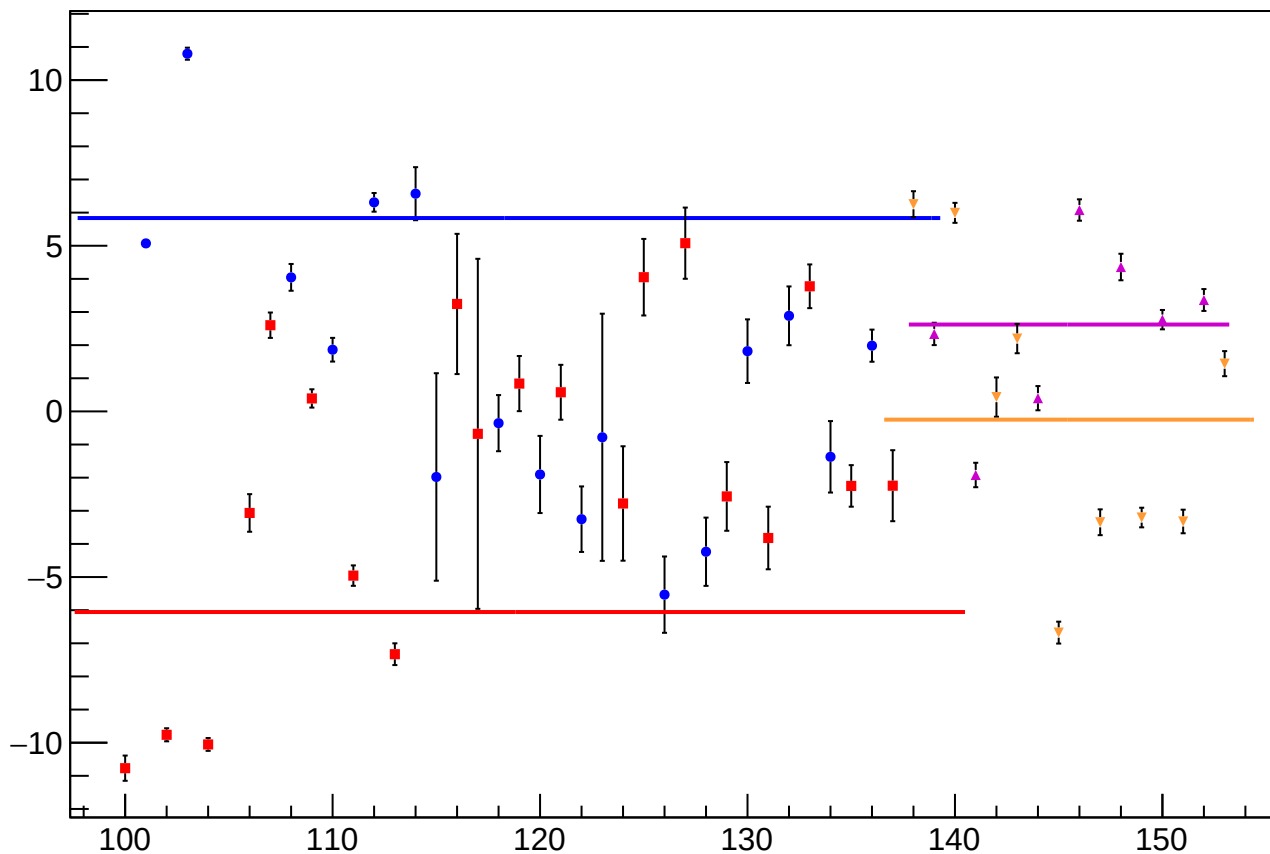
Left In: -0.128 ± 0.092 χ^2/NDF : 1110.7/6

-3.579 ± 0.046 χ^2/NDF : 13989.9/25

0.360 ± 0.034 χ^2/NDF : 47704.4/52

4.975 ± 0.050 χ^2/NDF : 17745.9/26

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: -0.249 $\pm$ 0.122 χ^2 /NDF:1370.5/8

Right Out: -6.056 $\pm$ 0.093 χ^2 /NDF: 2669.9/19

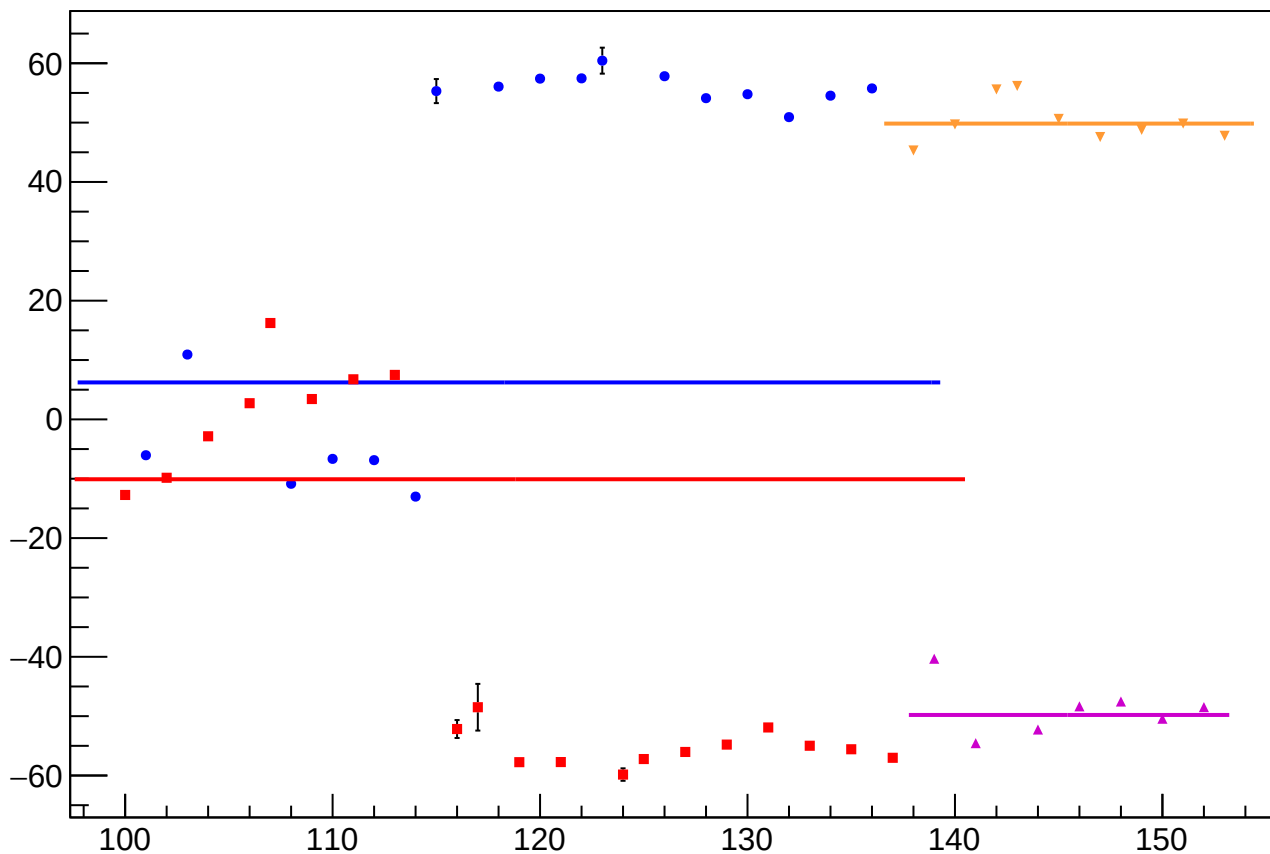
Left In: 2.622 $\pm$ 0.129 χ^2 /NDF:327.9/6

3.697 $\pm$ 0.072 χ^2 /NDF: 4430.9/25

0.469 $\pm$ 0.052 χ^2 /NDF: 14596.7/52

-3.067 $\pm$ 0.076 χ^2 /NDF: 5976.4/26

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 49.835 ± 0.102 $\chi^2/\text{NDF}: 772.5/8$

Right Out: -10.087 ± 0.070 $\chi^2/\text{NDF}: 122144.7/19$

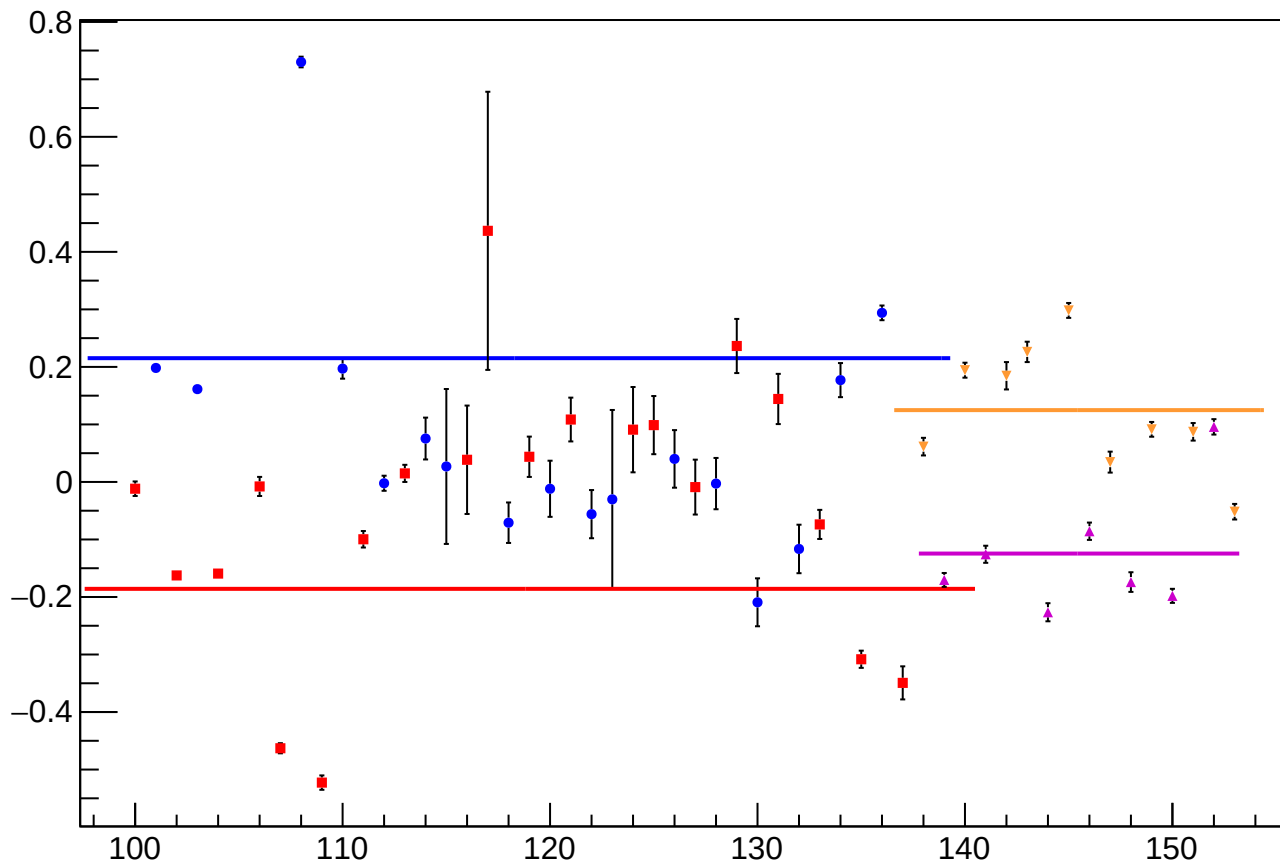
Left In: -49.798 ± 0.112 $\chi^2/\text{NDF}: 741.1/6$

18.700 ± 0.055 $\chi^2/\text{NDF}: 251152.6/25$

0.299 ± 0.040 $\chi^2/\text{NDF}: 709241.4/52$

-21.183 ± 0.059 $\chi^2/\text{NDF}: 213518.6/26$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 $\chi^2/\text{NDF}: 3925.9/16$

Left Out: 0.125 ± 0.005 $\chi^2/\text{NDF}: 470.9/8$

Right Out: -0.186 ± 0.003 $\chi^2/\text{NDF}: 2724.7/19$

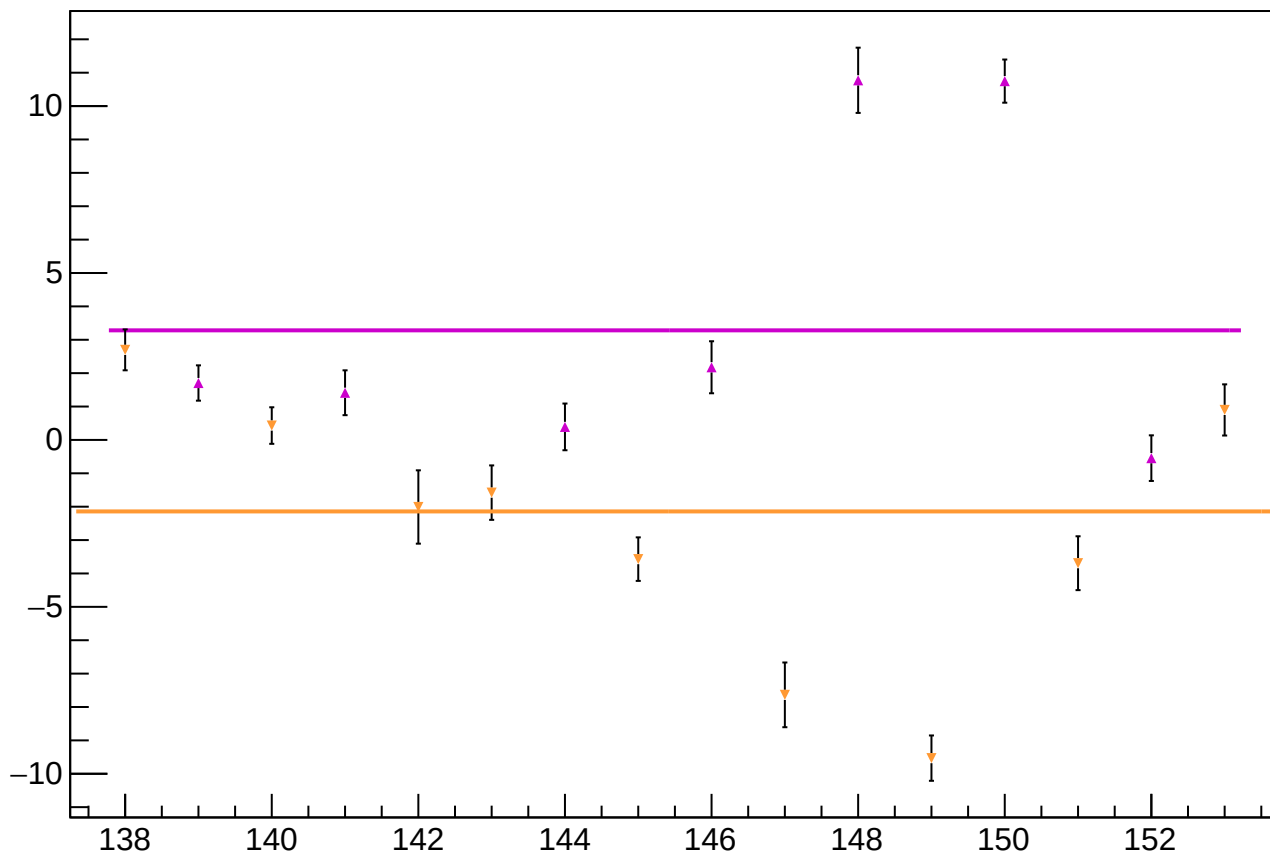
Left In: -0.124 ± 0.005 $\chi^2/\text{NDF}: 377.5/6$

0.194 ± 0.002 $\chi^2/\text{NDF}: 4646.0/25$

0.008 ± 0.002 $\chi^2/\text{NDF}: 19466.0/52$

-0.173 ± 0.002 $\chi^2/\text{NDF}: 3208.7/26$

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: -2.142+/-0.241 χ^2/NDF : 259.9/8

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

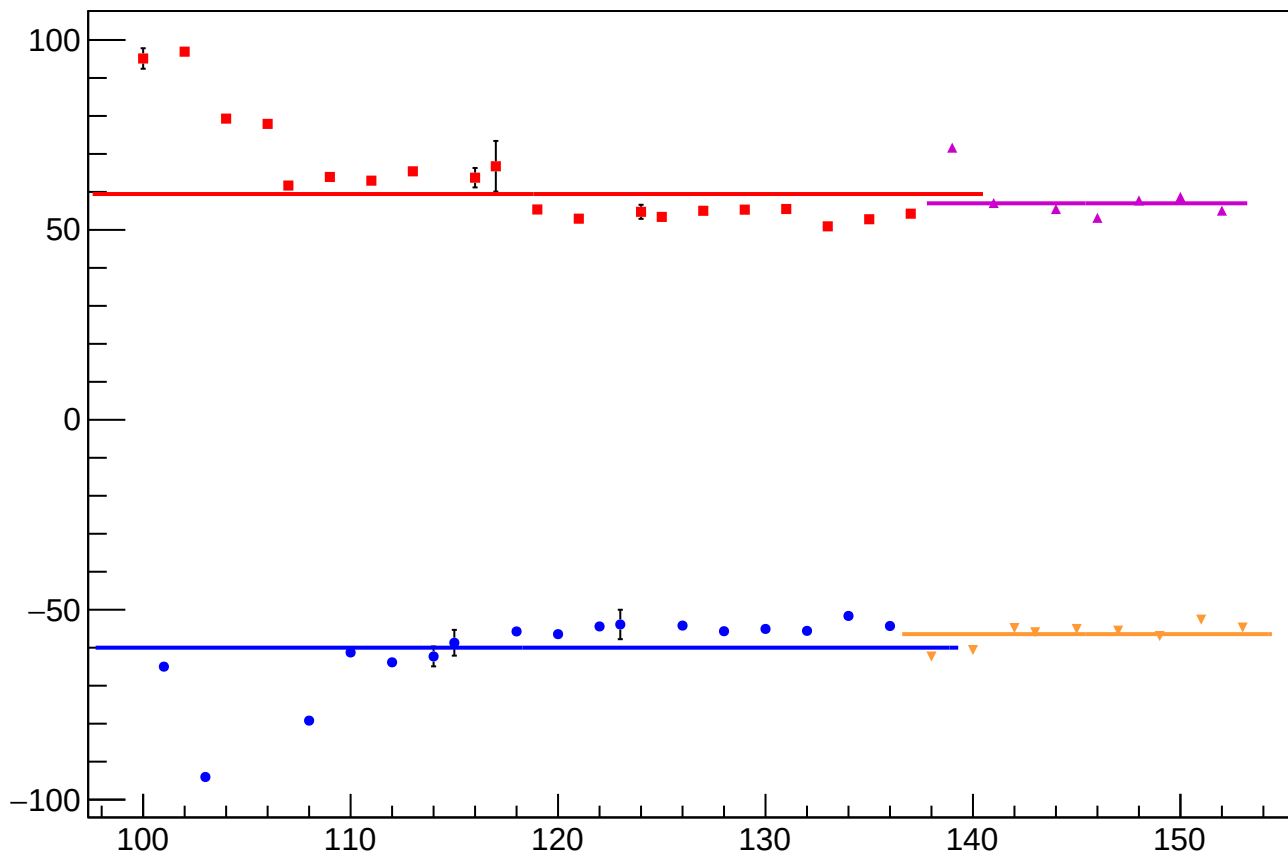
Left In: 3.282+/-0.258 χ^2/NDF : 259.2/6

-2.142+/-0.241 χ^2/NDF : 259.9/8

0.394+/-0.176 χ^2/NDF : 755.1/15

3.282+/-0.258 χ^2/NDF : 259.2/6

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 $\chi^2/\text{NDF}: 1972.9/16$

Left Out: -56.425 ± 0.174 $\chi^2/\text{NDF}: 251.1/8$

Right Out: 59.442 ± 0.212 $\chi^2/\text{NDF}: 2919.1/19$

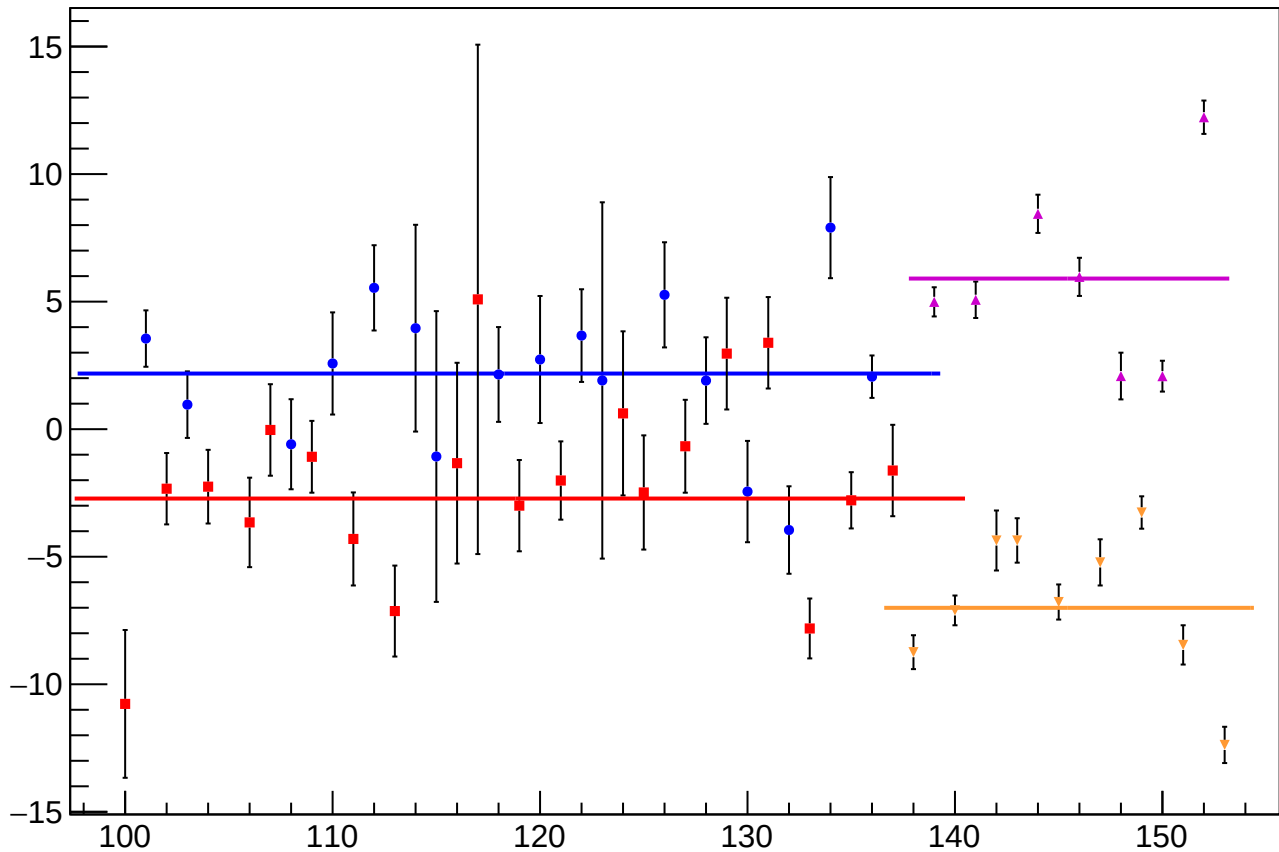
Left In: 56.999 ± 0.194 $\chi^2/\text{NDF}: 332.1/6$

-57.759 ± 0.138 $\chi^2/\text{NDF}: 2381.4/25$

-2.166 ± 0.099 $\chi^2/\text{NDF}: 346048.9/52$

58.116 ± 0.143 $\chi^2/\text{NDF}: 3323.4/26$

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: -7.004 ± 0.245 $\chi^2/\text{NDF}: 120.4/8$

Right Out: -2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

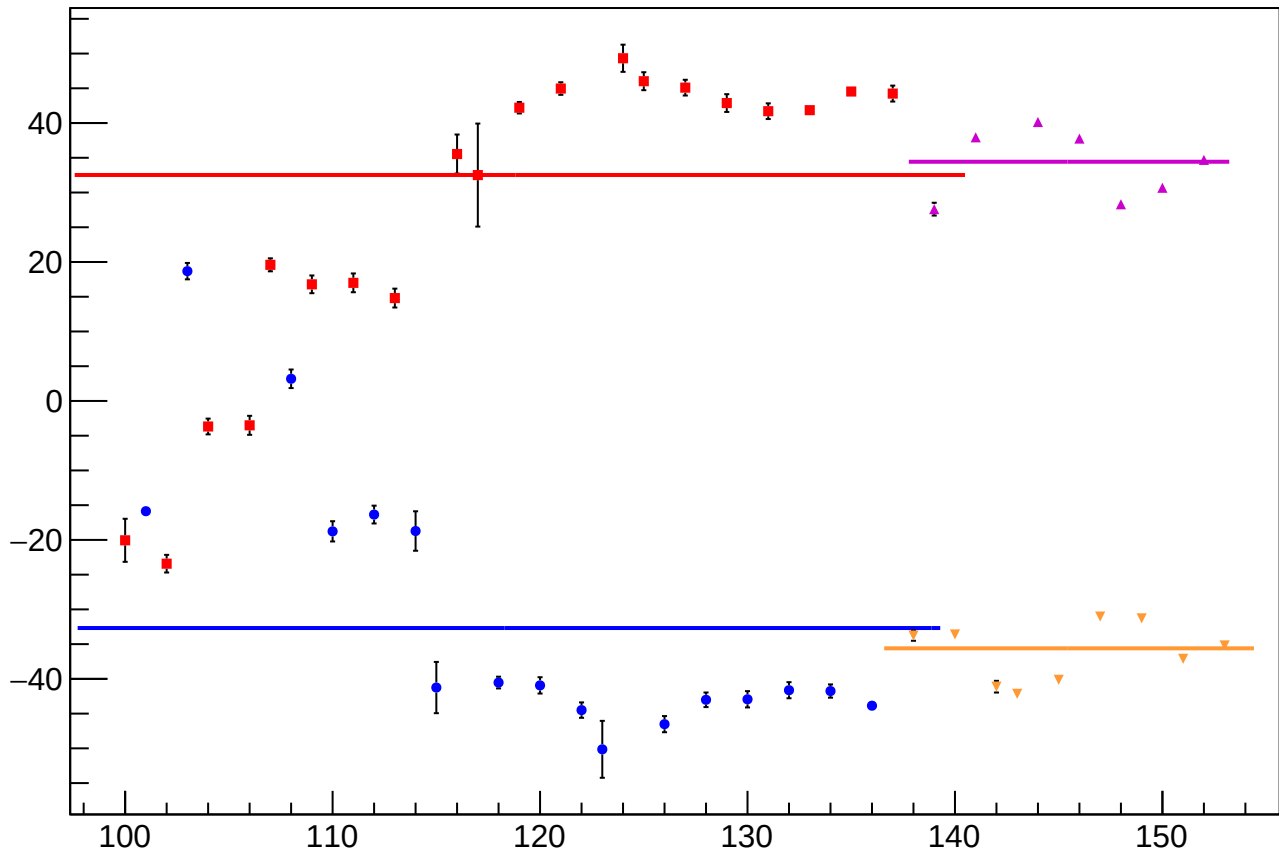
Left In: 5.905 ± 0.259 $\chi^2/\text{NDF}: 166.4/6$

-4.555 ± 0.209 $\chi^2/\text{NDF}: 535.4/25$

-0.773 ± 0.150 $\chi^2/\text{NDF}: 1774.9/52$

3.236 ± 0.216 $\chi^2/\text{NDF}: 567.7/26$

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: -35.605 ± 0.210 $\chi^2/\text{NDF}: 332.6/8$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

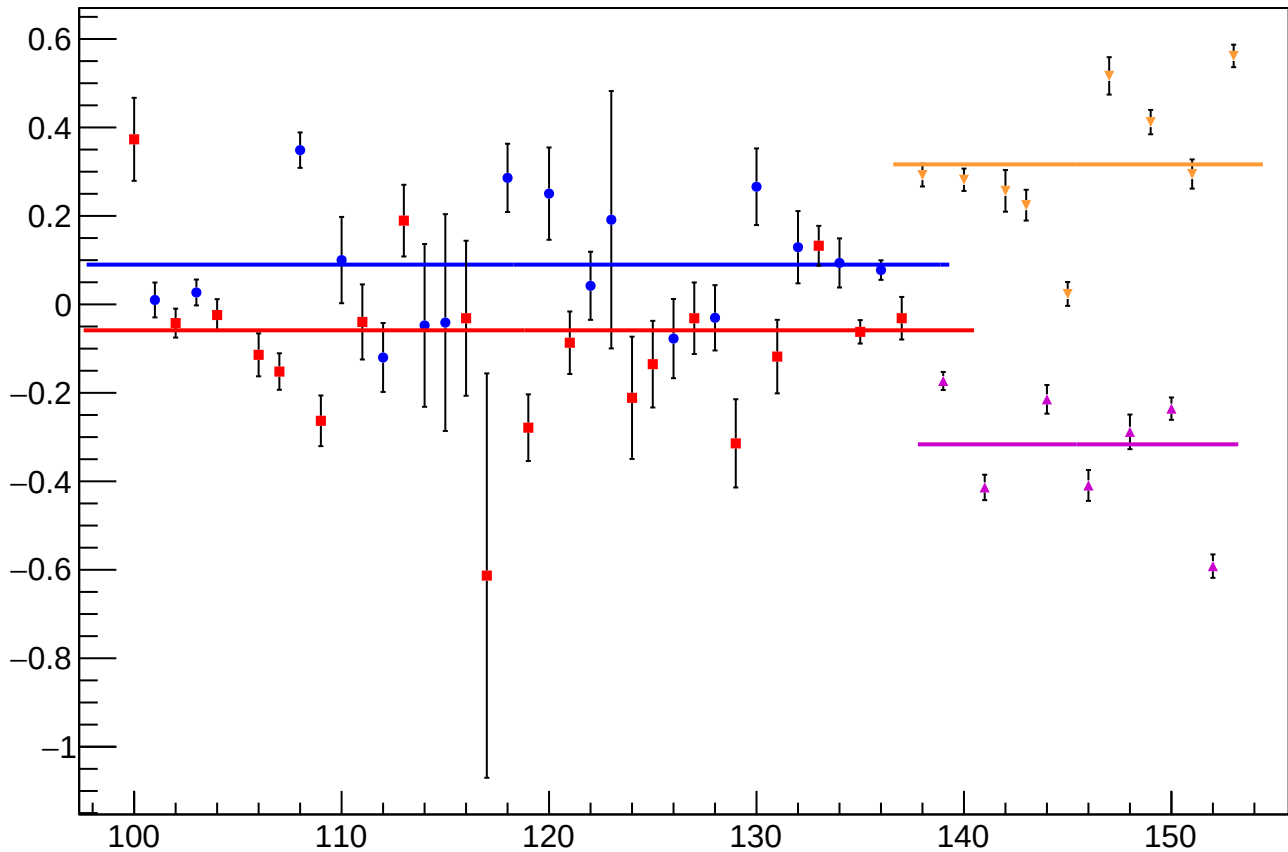
Left In: 34.429 ± 0.233 $\chi^2/\text{NDF}: 350.9/6$

-34.428 ± 0.162 $\chi^2/\text{NDF}: 5057.5/25$

-1.732 ± 0.117 $\chi^2/\text{NDF}: 95839.0/52$

33.519 ± 0.169 $\chi^2/\text{NDF}: 6428.1/26$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.317 ± 0.010 χ^2/NDF : 257.2/8

Right Out: -0.059 ± 0.012 χ^2/NDF : 88.6/19

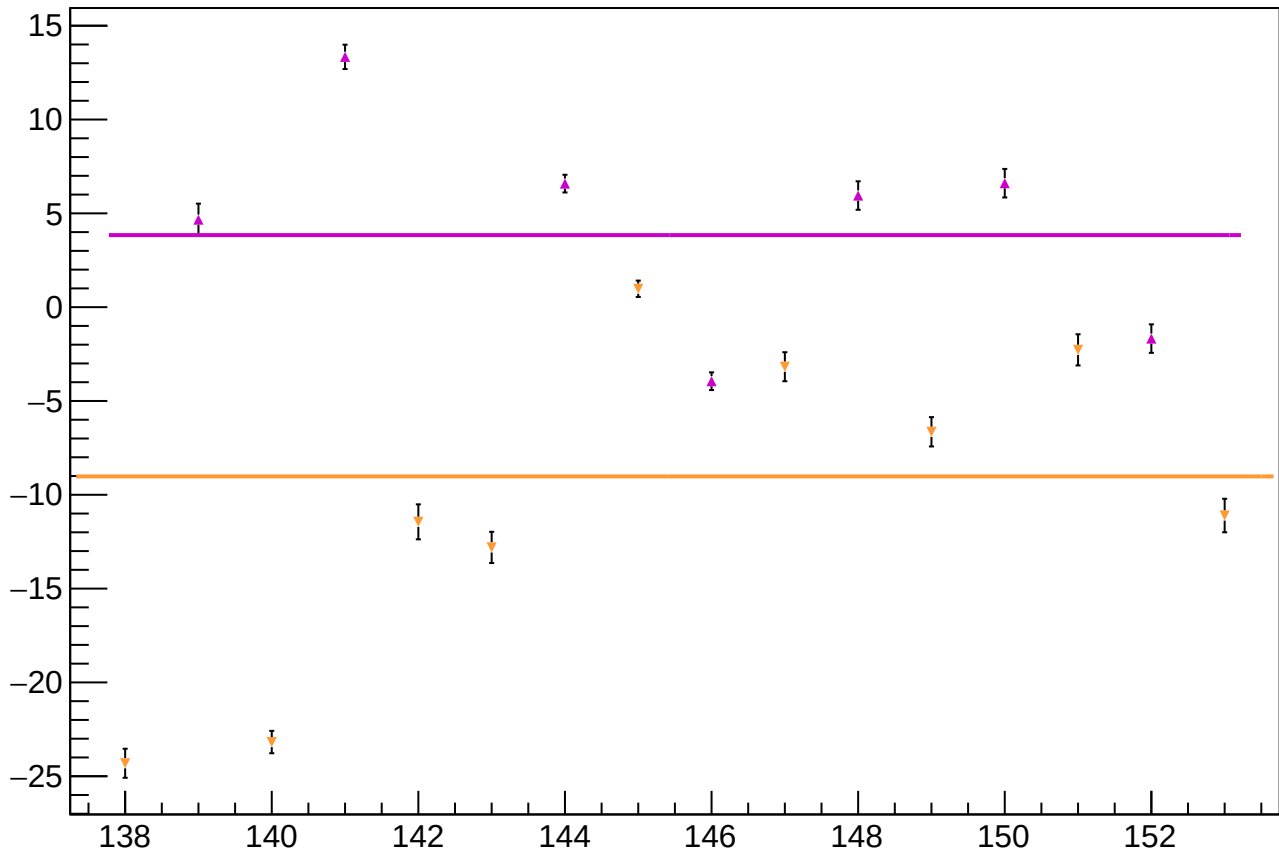
Left In: -0.316 ± 0.011 χ^2/NDF : 196.7/6

0.231 ± 0.008 χ^2/NDF : 532.3/25

0.015 ± 0.006 χ^2/NDF : 2601.2/52

-0.206 ± 0.008 χ^2/NDF : 542.2/26

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.021+/-0.233 χ^2/NDF : 1644.0/8

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

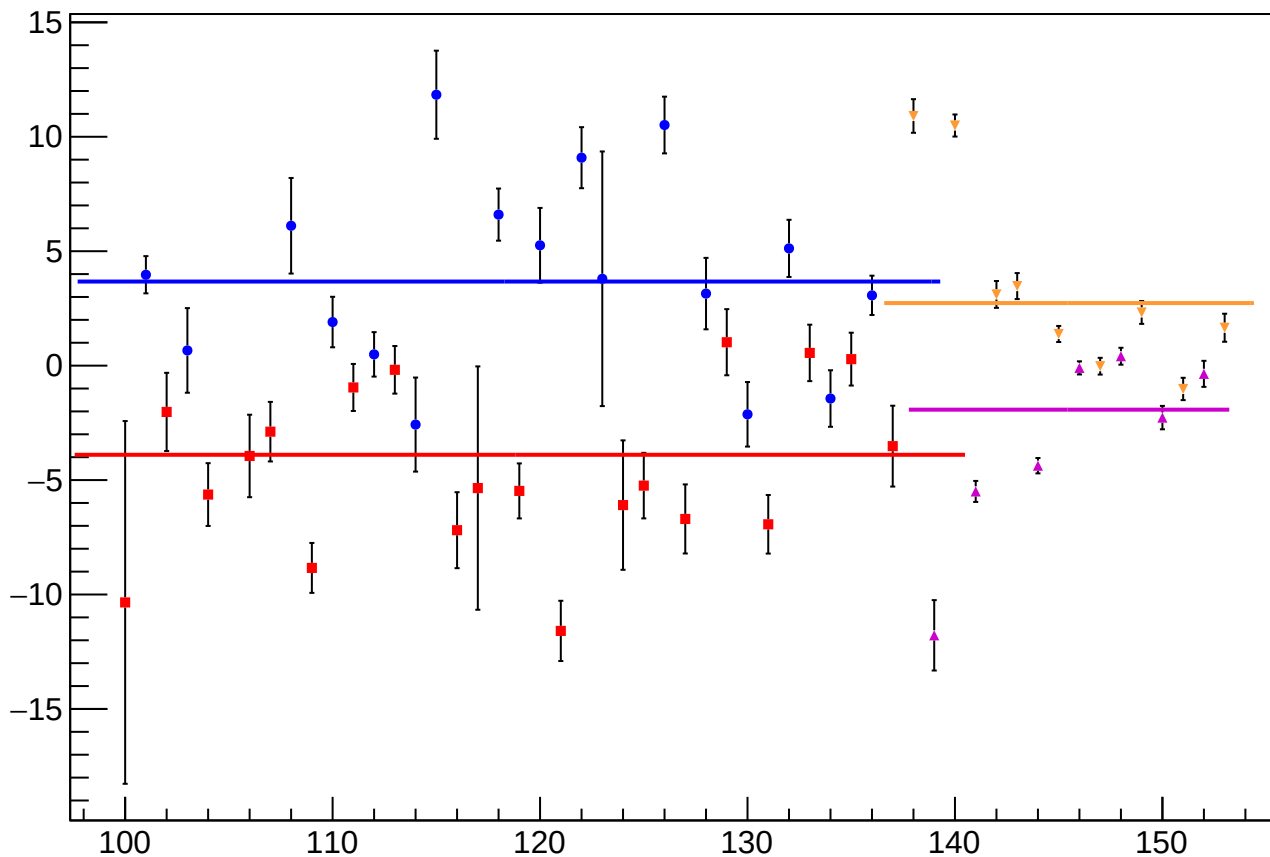
Left In: 3.841+/-0.236 χ^2/NDF : 594.1/6

-9.021+/-0.233 χ^2/NDF : 1644.0/8

-2.667+/-0.166 χ^2/NDF : 3737.3/15

3.841+/-0.236 χ^2/NDF : 594.1/6

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: 2.734 ± 0.161 χ^2/NDF : 519.1/8

Right Out: -3.895 ± 0.316 χ^2/NDF : 133.8/19

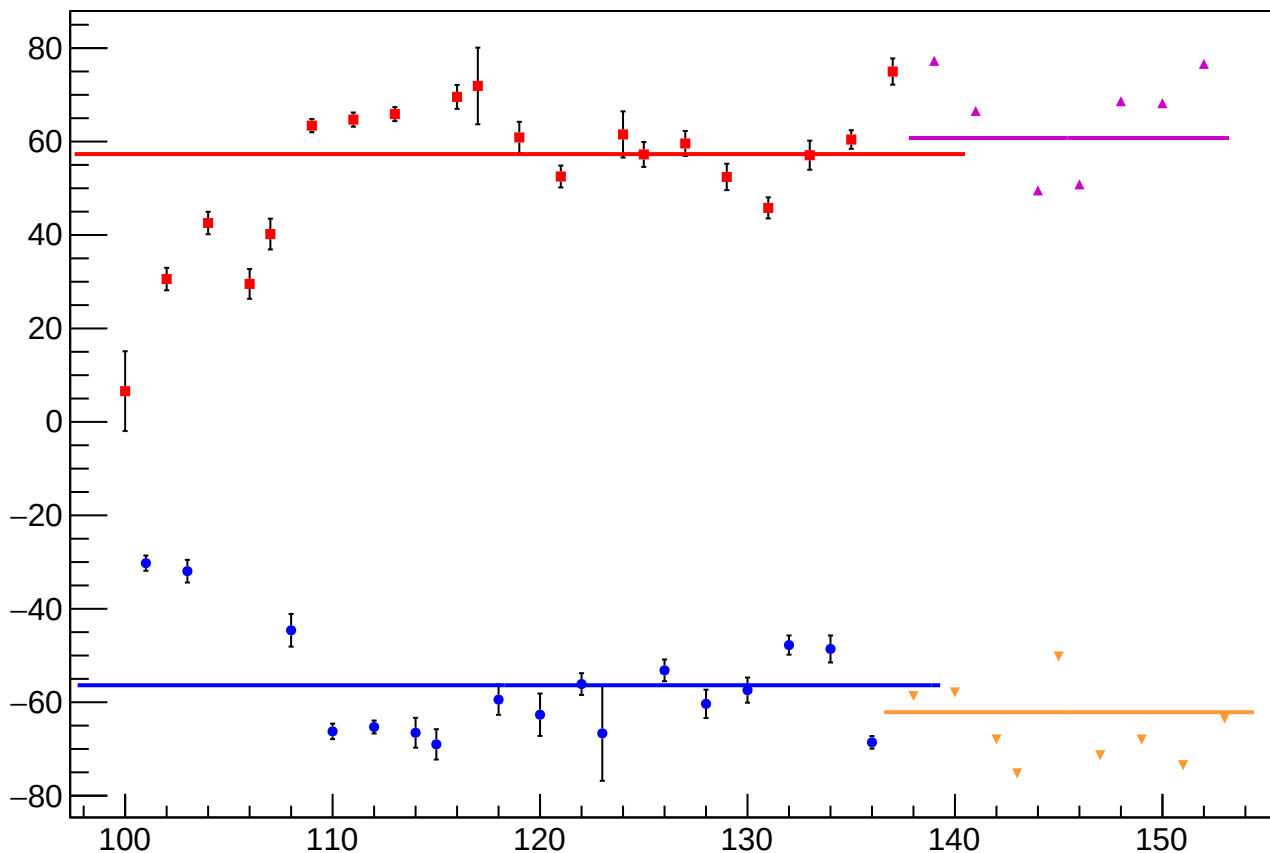
Left In: -1.924 ± 0.157 χ^2/NDF : 243.3/6

2.933 ± 0.143 χ^2/NDF : 661.5/25

0.270 ± 0.100 χ^2/NDF : 1754.8/52

-2.316 ± 0.141 χ^2/NDF : 408.3/26

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: -62.139 ± 0.238 χ^2/NDF : 1407.2/8

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

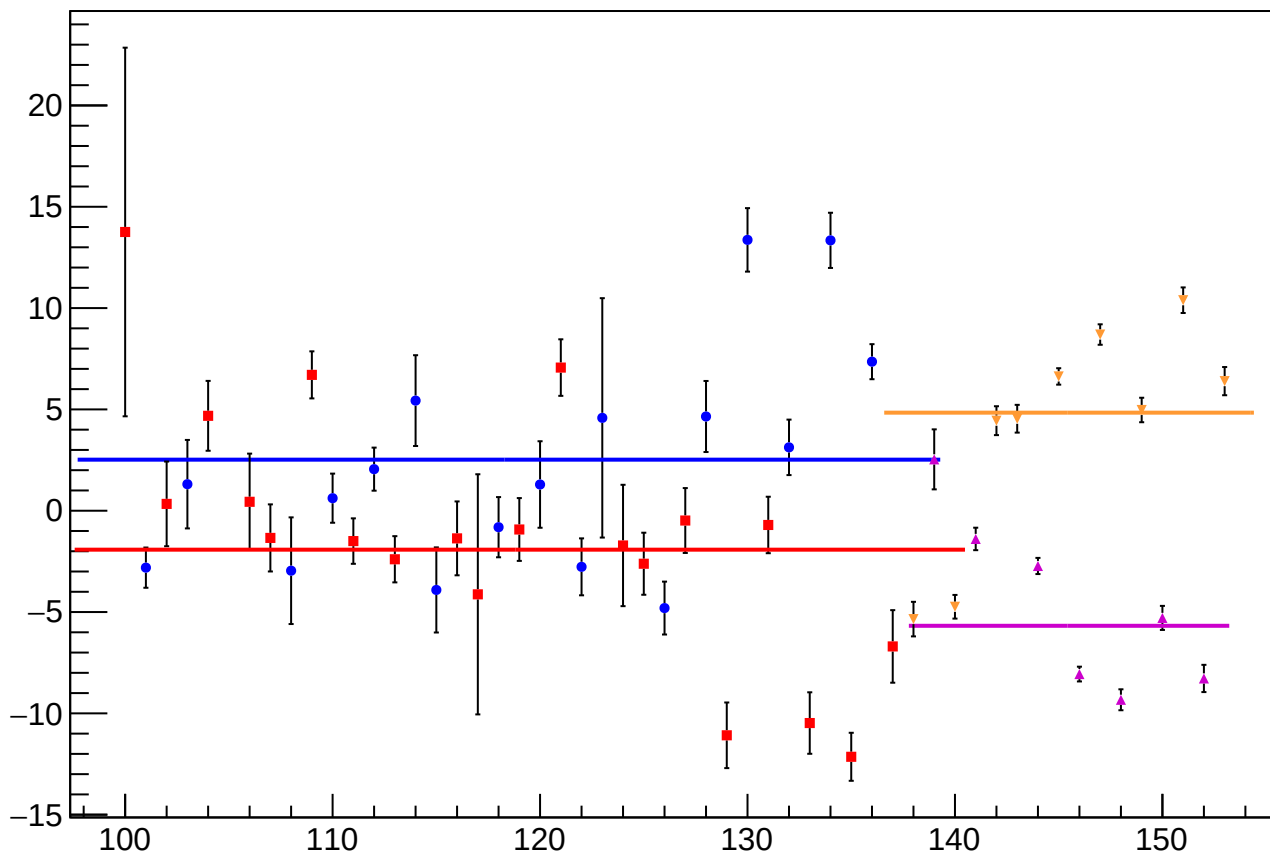
Left In: 60.757 ± 0.236 χ^2/NDF : 2068.7/6

-61.208 ± 0.218 χ^2/NDF : 2089.3/25

-0.019 ± 0.154 χ^2/NDF : 160929.2/52

60.194 ± 0.216 χ^2/NDF : 2582.5/26

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 $\pm$ 0.347 χ^2/NDF : 242.3/16

Left Out: 4.840 $\pm$ 0.197 χ^2/NDF : 572.1/8

Right Out: -1.922 $\pm$ 0.354 χ^2/NDF : 264.7/19

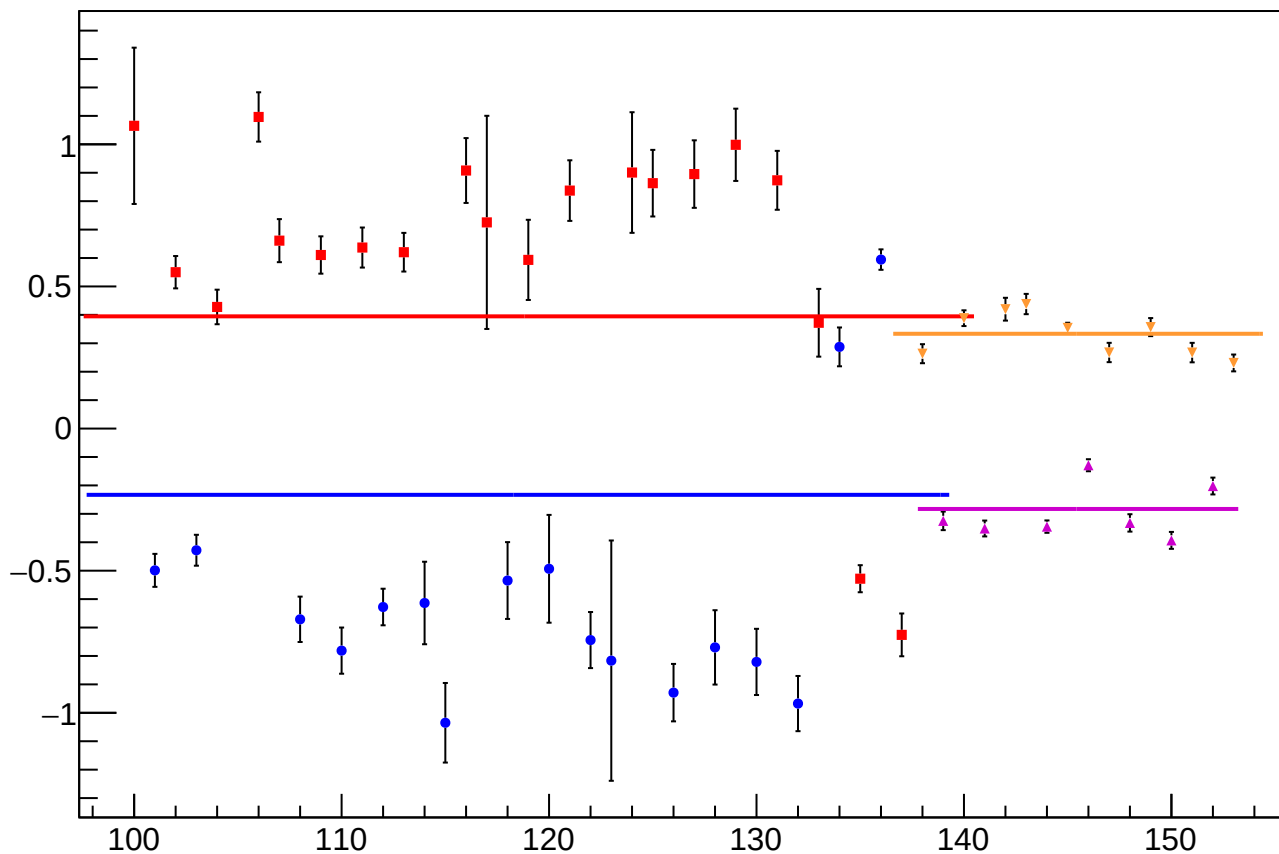
Left In: -5.678 $\pm$ 0.195 χ^2/NDF : 253.3/6

4.274 $\pm$ 0.171 χ^2/NDF : 848.2/25

-0.283 $\pm$ 0.121 χ^2/NDF : 2860.3/52

-4.805 $\pm$ 0.171 χ^2/NDF : 604.3/26

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: 0.333 ± 0.010 χ^2/NDF : 42.9/8

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

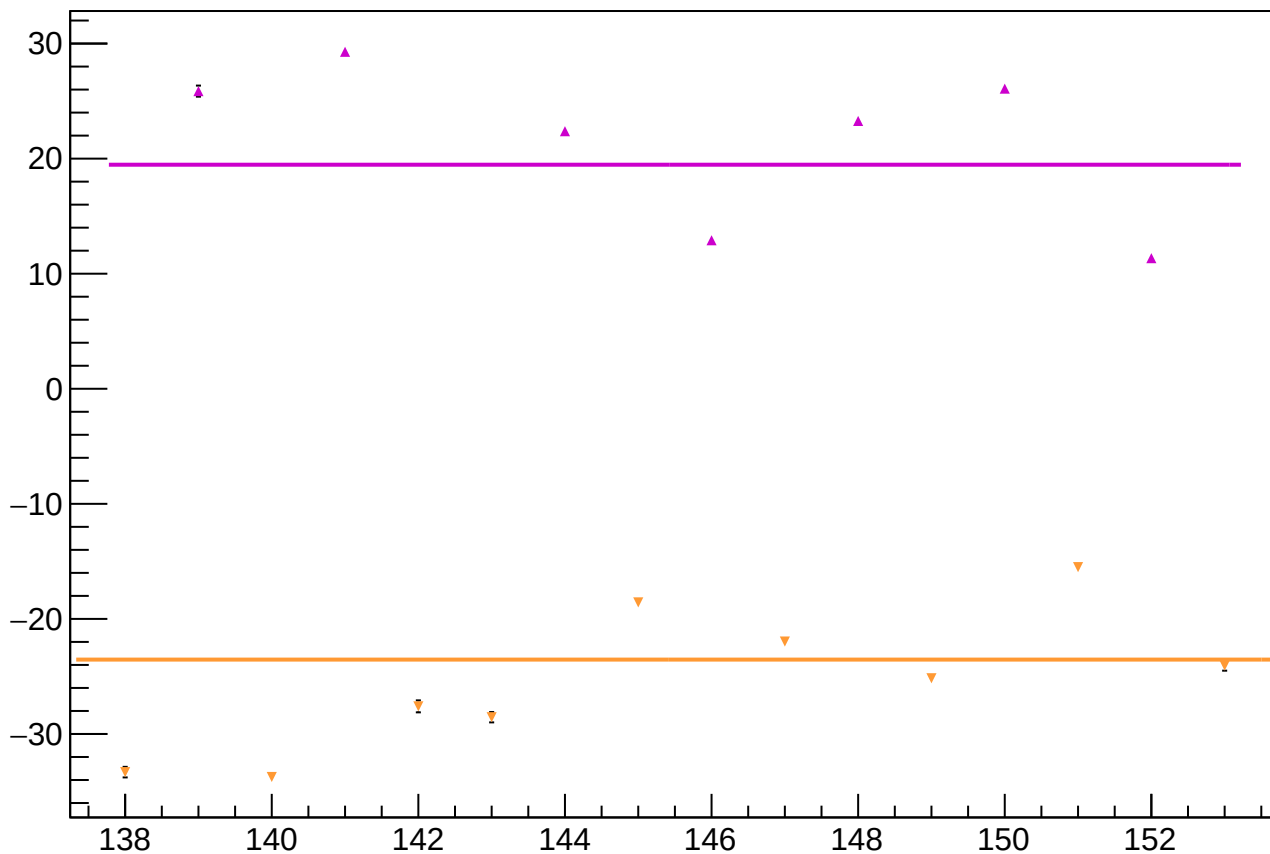
Left In: -0.283 ± 0.010 χ^2/NDF : 92.4/6

0.214 ± 0.009 χ^2/NDF : 1708.6/25

0.044 ± 0.006 χ^2/NDF : 4429.5/52

-0.134 ± 0.009 χ^2/NDF : 1935.1/26

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: -23.536+/-0.115 χ^2/NDF : 2682.4/8

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

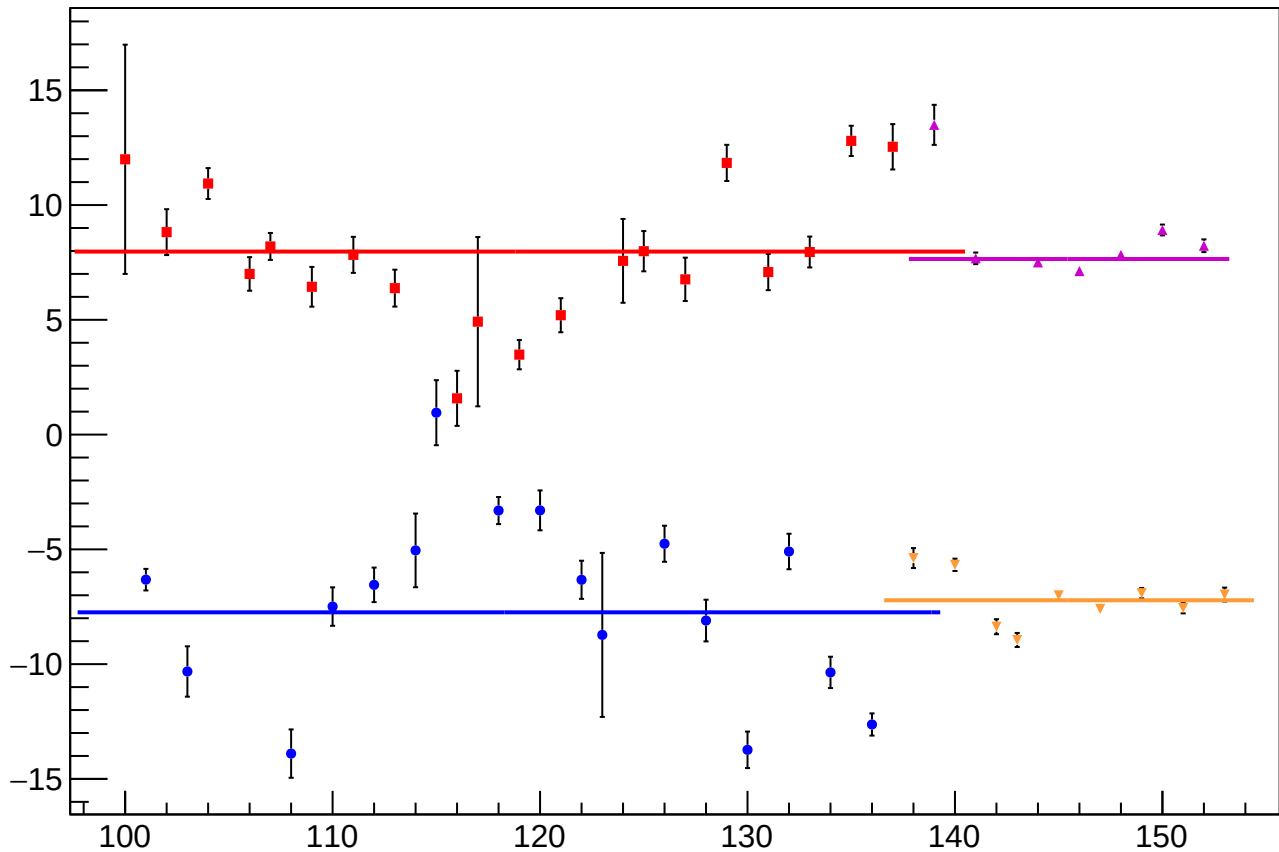
Left In: 19.471+/-0.109 χ^2/NDF : 3279.7/6

-23.536+/-0.115 χ^2/NDF : 2682.4/8

-0.980+/-0.079 χ^2/NDF : 79706.8/15

19.471+/-0.109 χ^2/NDF : 3279.7/6

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: -7.218 ± 0.079 χ^2/NDF : 106.5/8

Right Out: 7.973 ± 0.186 χ^2/NDF : 224.2/19

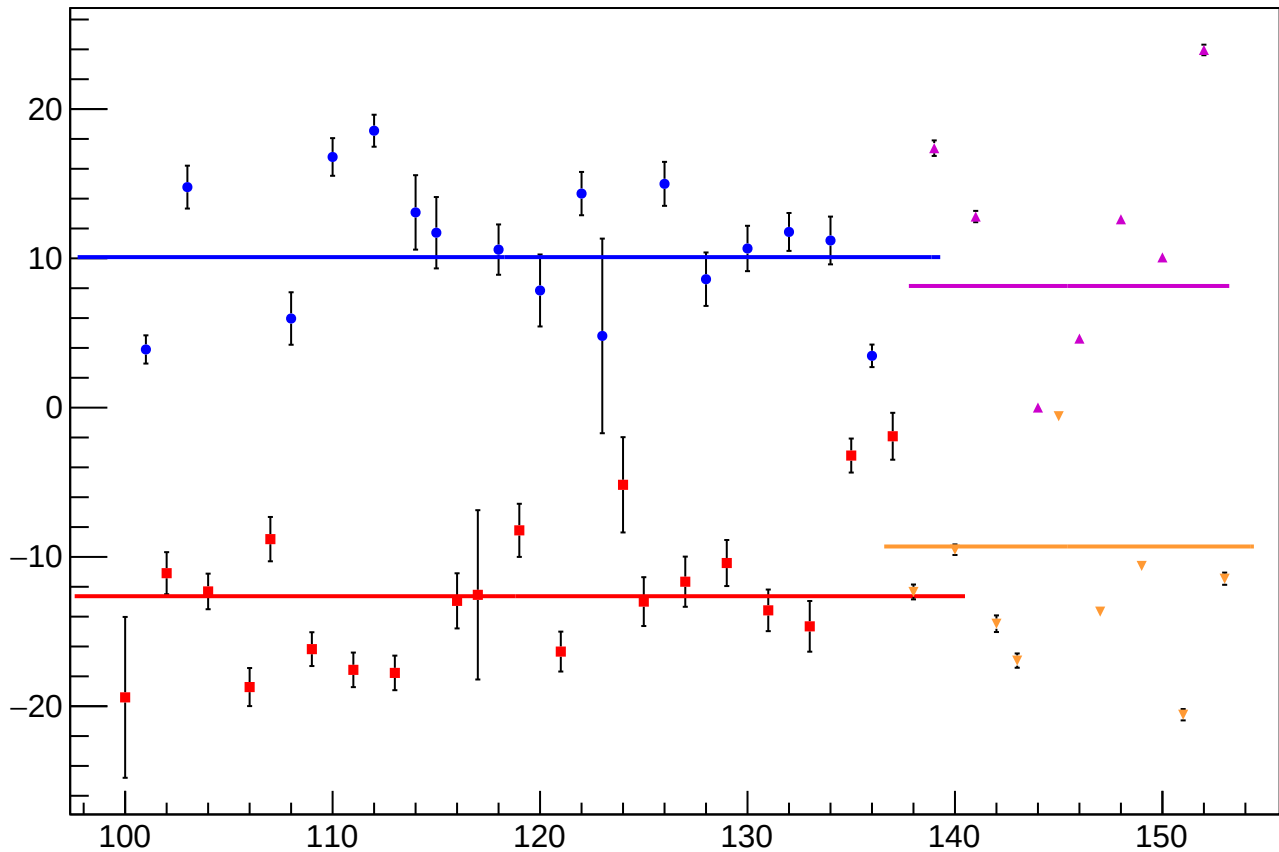
Left In: 7.650 ± 0.072 χ^2/NDF : 100.3/6

-7.296 ± 0.072 χ^2/NDF : 490.8/25

0.774 ± 0.049 χ^2/NDF : 23872.2/52

7.692 ± 0.067 χ^2/NDF : 327.1/26

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: -9.301 ± 0.116 χ^2/NDF : 3262.1/8

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

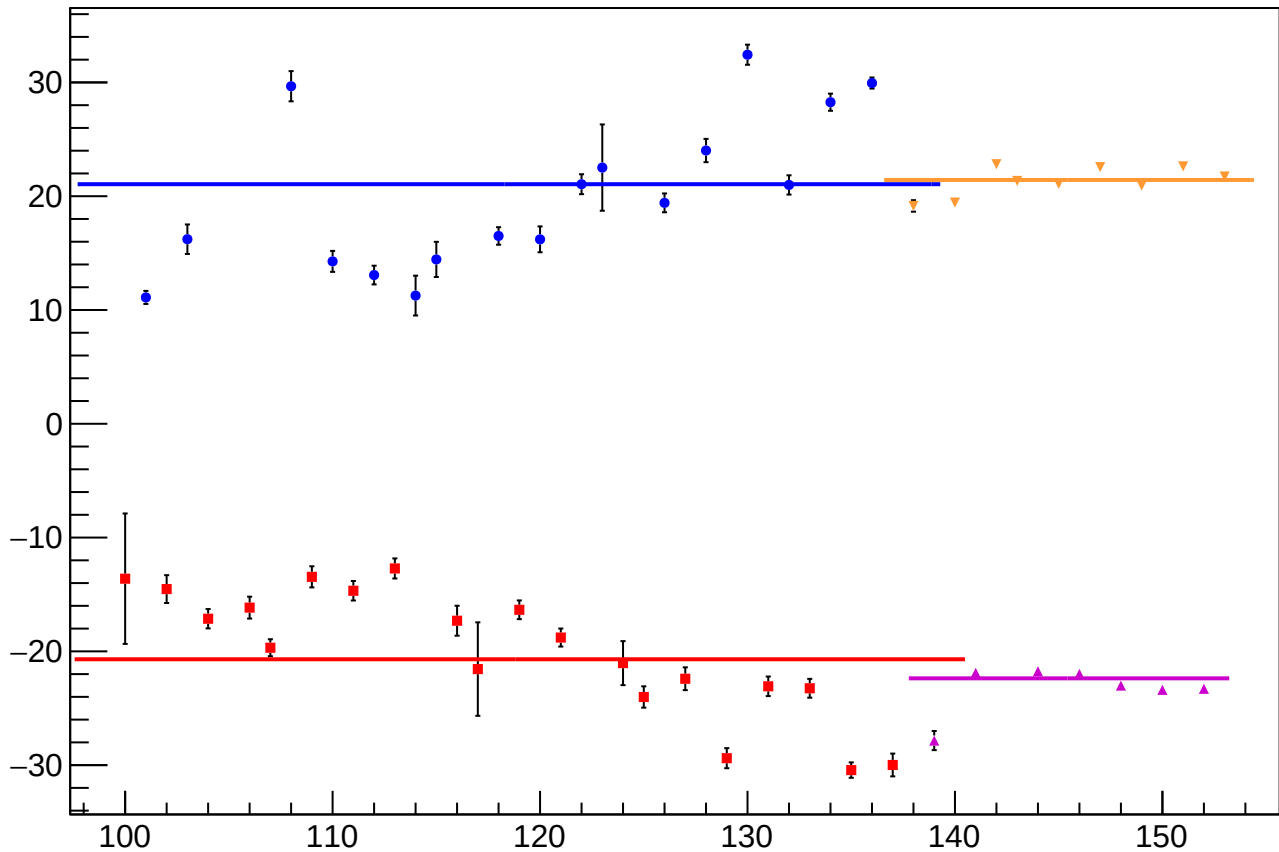
Left In: 8.150 ± 0.108 χ^2/NDF : 4205.8/6

-7.252 ± 0.110 χ^2/NDF : 6457.5/25

-0.130 ± 0.075 χ^2/NDF : 22325.2/52

6.146 ± 0.103 χ^2/NDF : 7962.9/26

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 χ^2/NDF : 1211.8/16

Left Out: 21.428 ± 0.096 χ^2/NDF : 116.4/8

Right Out: -20.696 ± 0.212 χ^2/NDF : 724.1/19

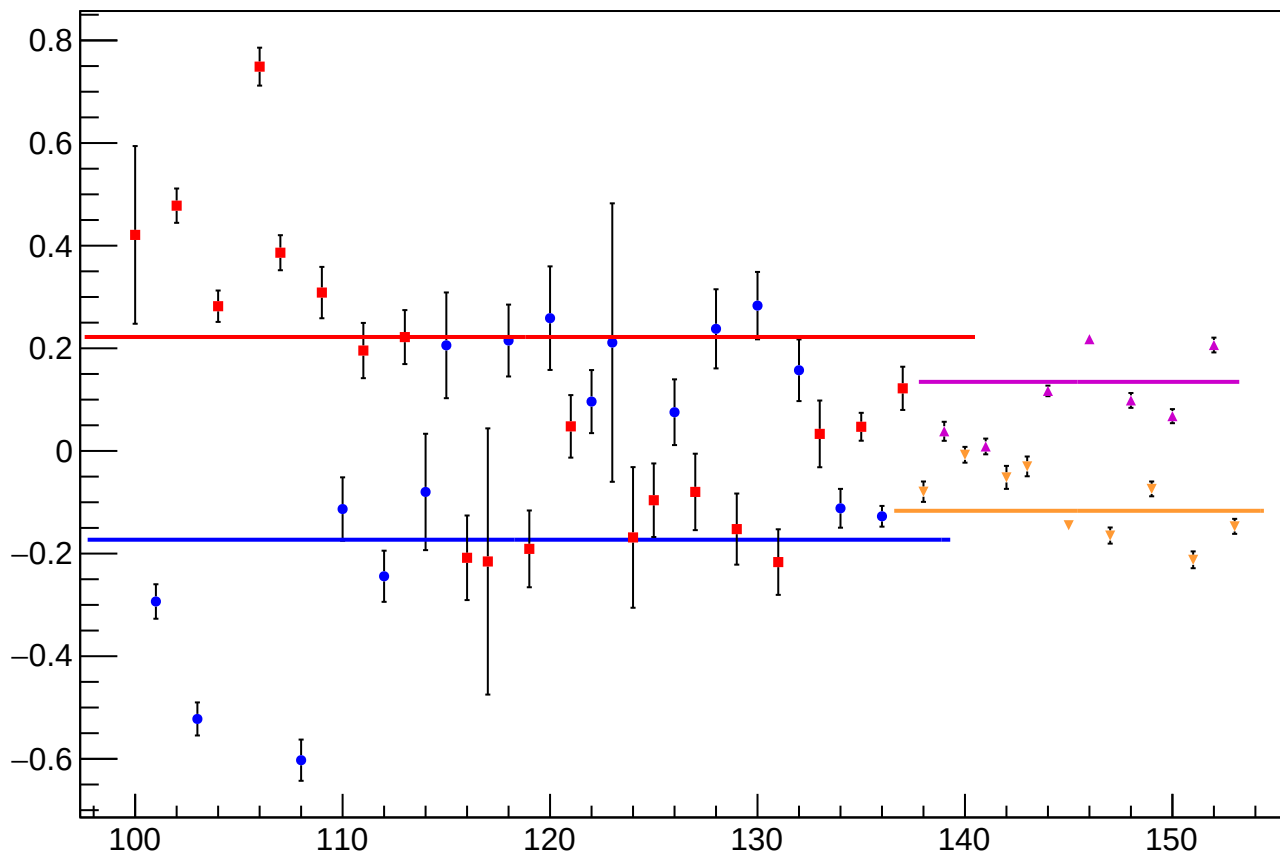
Left In: -22.372 ± 0.089 χ^2/NDF : 90.9/6

21.364 ± 0.088 χ^2/NDF : 1330.8/25

-1.765 ± 0.060 χ^2/NDF : 133179.0/52

-22.122 ± 0.082 χ^2/NDF : 867.9/26

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: -0.117 ± 0.005 χ^2/NDF : 151.0/8

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

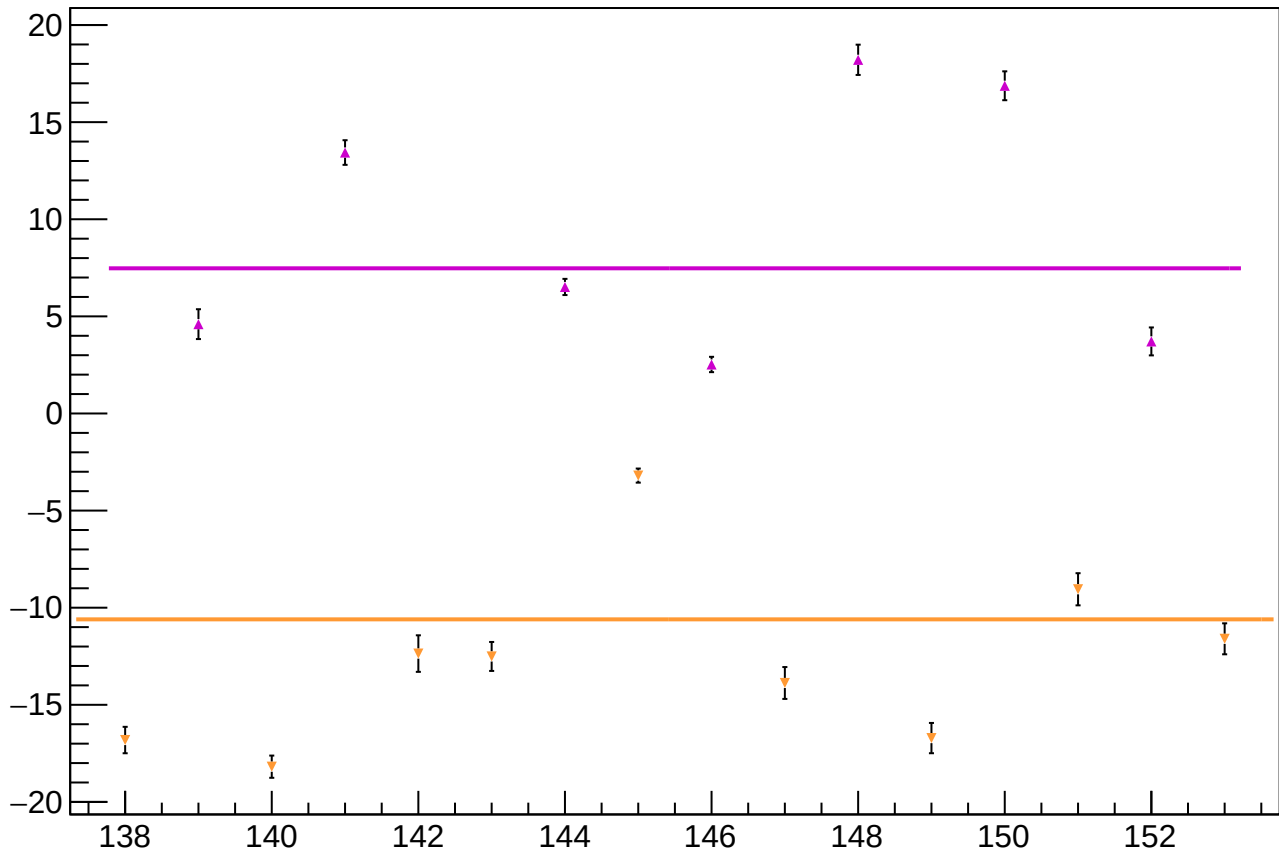
Left In: 0.135 ± 0.005 χ^2/NDF : 248.9/6

-0.125 ± 0.004 χ^2/NDF : 634.2/25

0.014 ± 0.003 χ^2/NDF : 3451.4/52

0.148 ± 0.004 χ^2/NDF : 840.8/26

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.600+/-0.214 χ^2/NDF : 768.4/8

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

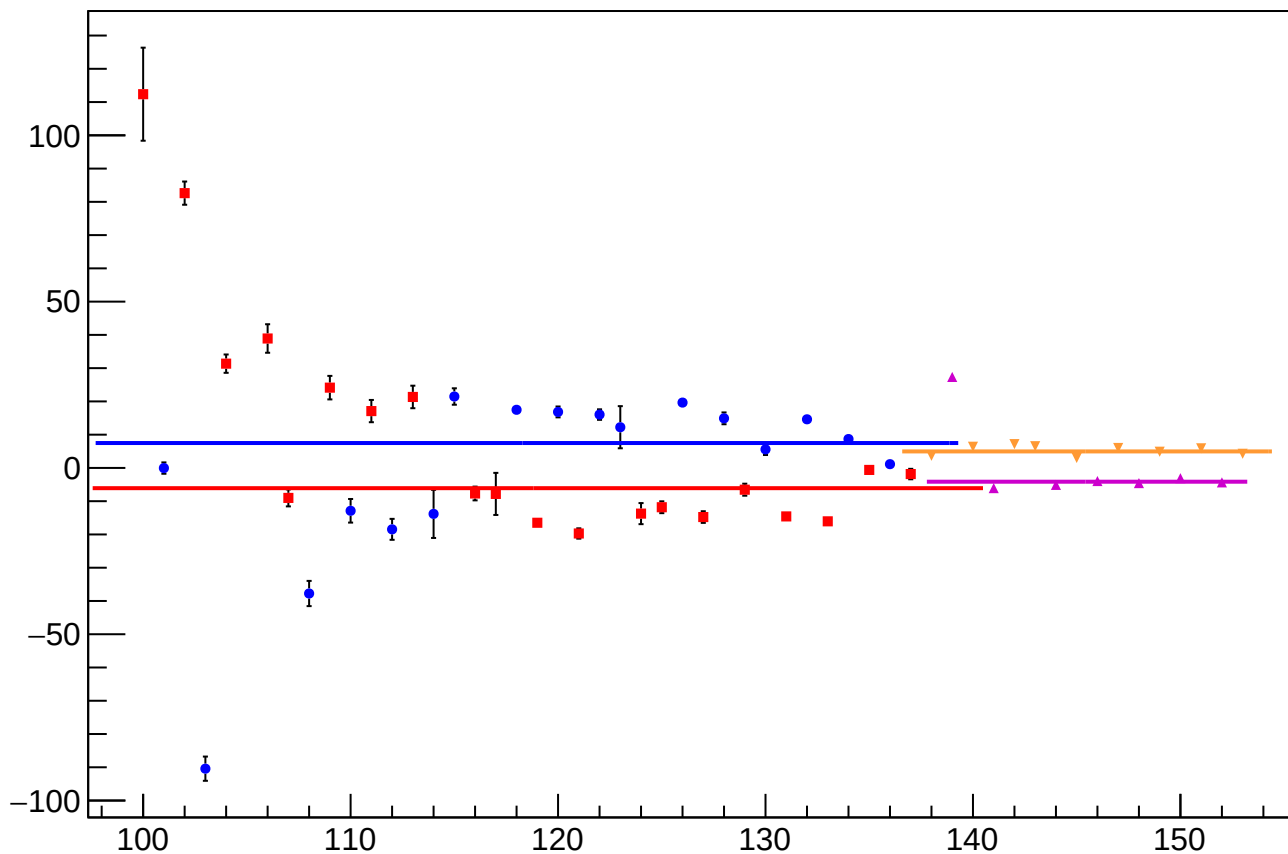
Left In: 7.474+/-0.214 χ^2/NDF : 642.2/6

-10.600+/-0.214 χ^2/NDF : 768.4/8

-1.593+/-0.151 χ^2/NDF : 4977.9/15

7.474+/-0.214 χ^2/NDF : 642.2/6

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: 4.964+/-0.151 χ^2/NDF : 96.0/8

Right Out: -6.086+/-0.433 χ^2/NDF : 1512.2/19

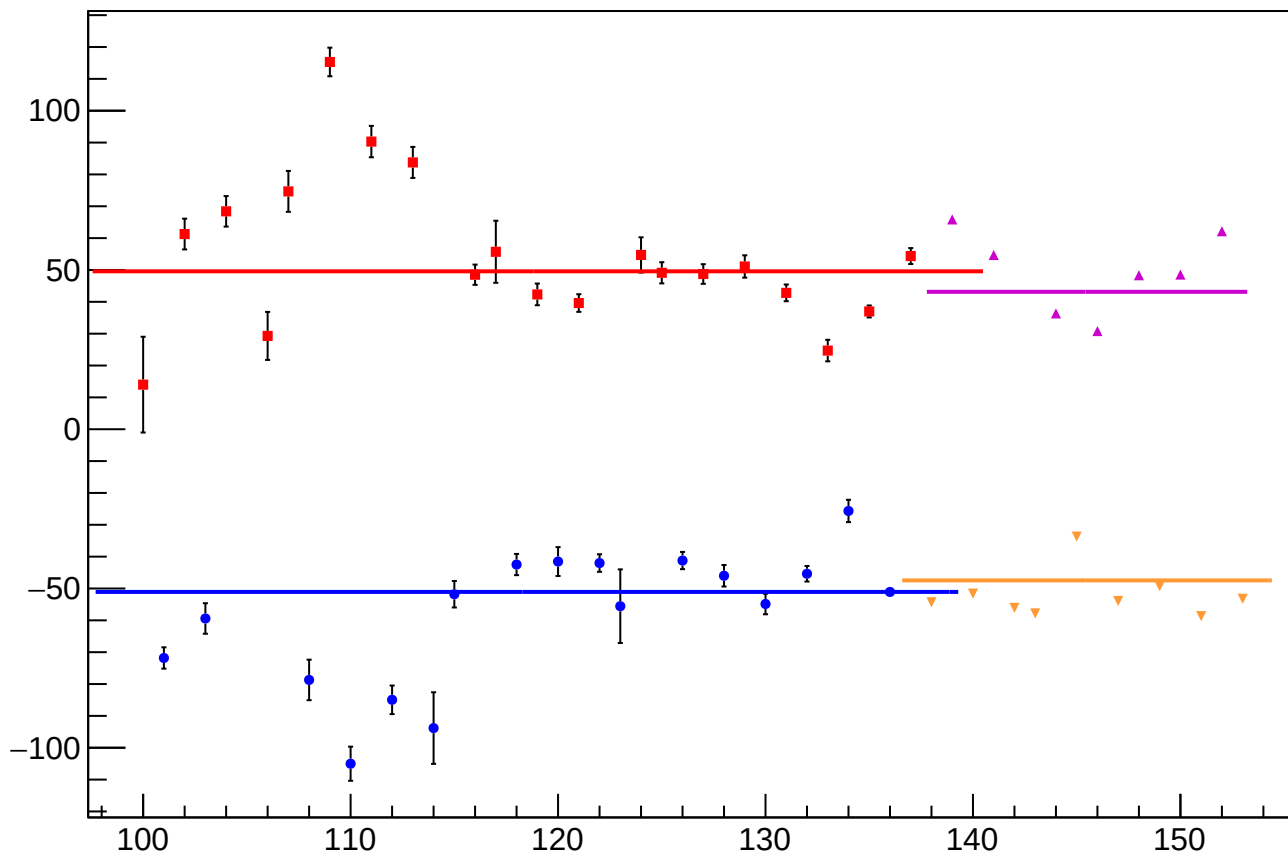
Left In: -4.143+/-0.146 χ^2/NDF : 555.1/6

5.269+/-0.141 χ^2/NDF : 1470.3/25

0.355+/-0.099 χ^2/NDF : 5917.2/52

-4.340+/-0.138 χ^2/NDF : 2085.3/26

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: -47.464 ± 0.219 χ^2/NDF : 1972.9/8

Right Out: 49.579 ± 0.796 χ^2/NDF : 510.0/19

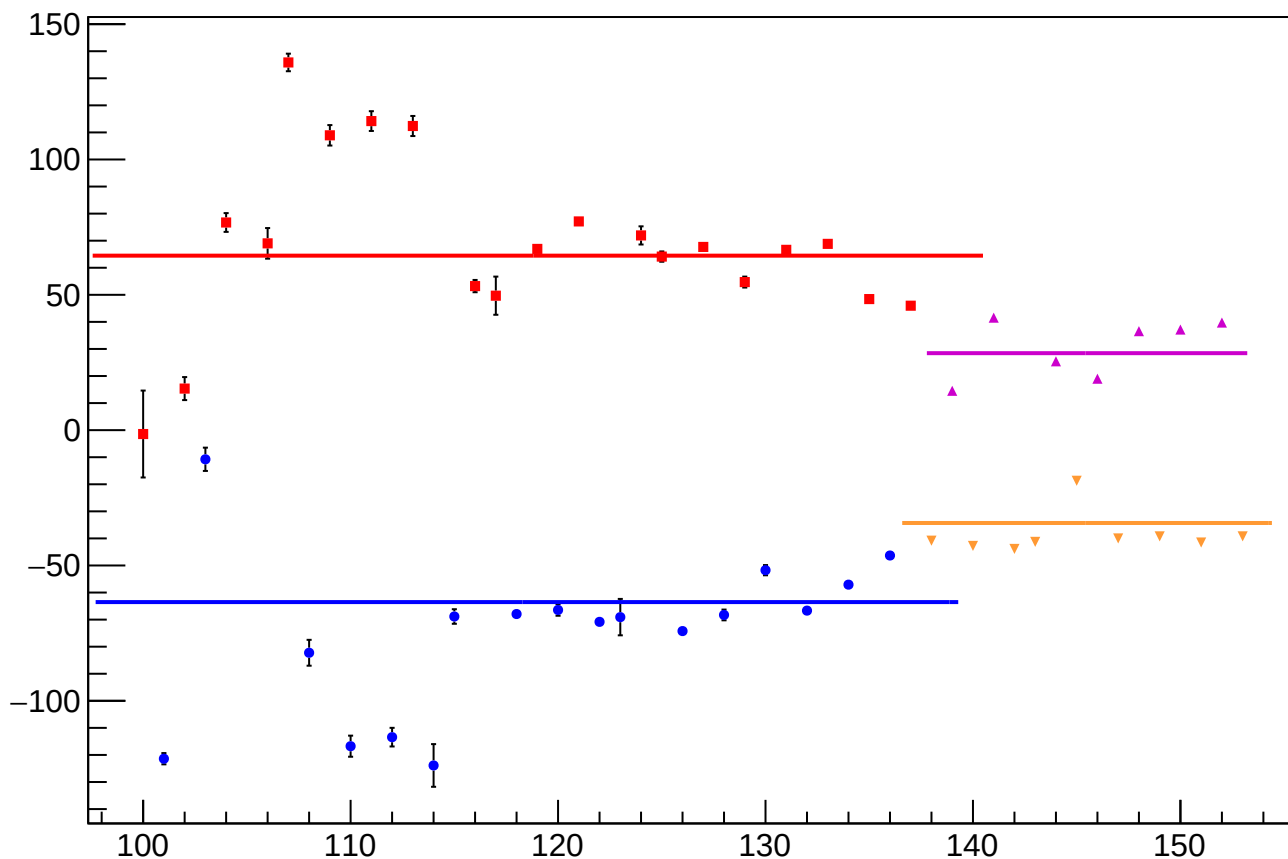
Left In: 43.141 ± 0.215 χ^2/NDF : 3199.6/6

-47.755 ± 0.210 χ^2/NDF : 2325.0/25

-1.448 ± 0.148 χ^2/NDF : 101626.2/52

43.579 ± 0.207 χ^2/NDF : 3770.5/26

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: -34.299 ± 0.183 χ^2/NDF : 3166.3/8

Right Out: 64.470 ± 0.482 χ^2/NDF : 1607.5/19

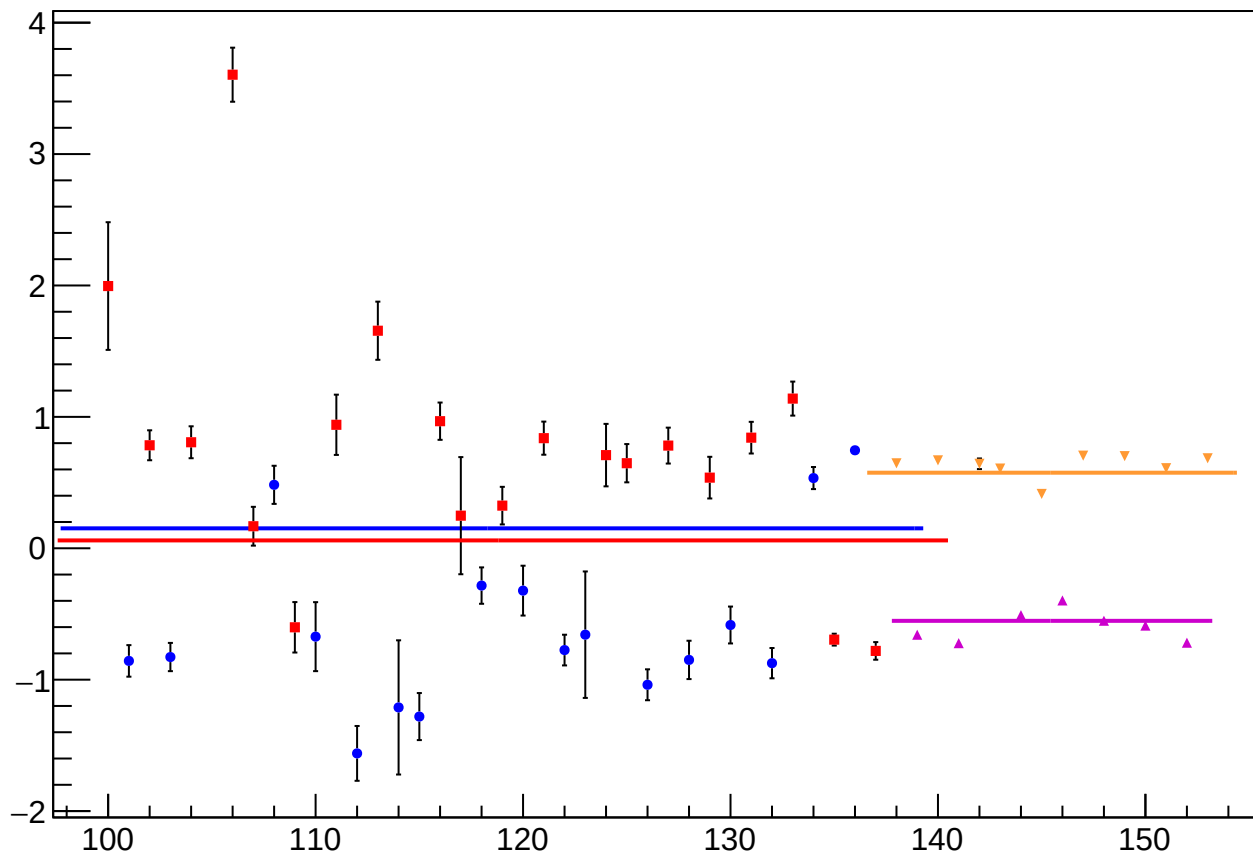
Left In: 28.442 ± 0.179 χ^2/NDF : 2443.0/6

-38.471 ± 0.170 χ^2/NDF : 8814.8/25

-2.513 ± 0.119 χ^2/NDF : 106996.3/52

32.824 ± 0.168 χ^2/NDF : 8961.7/26

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.575 $\pm$ 0.009 χ^2 /NDF:182.2/8

Right Out: 0.060 $\pm$ 0.026 χ^2 /NDF: 1162.1/19

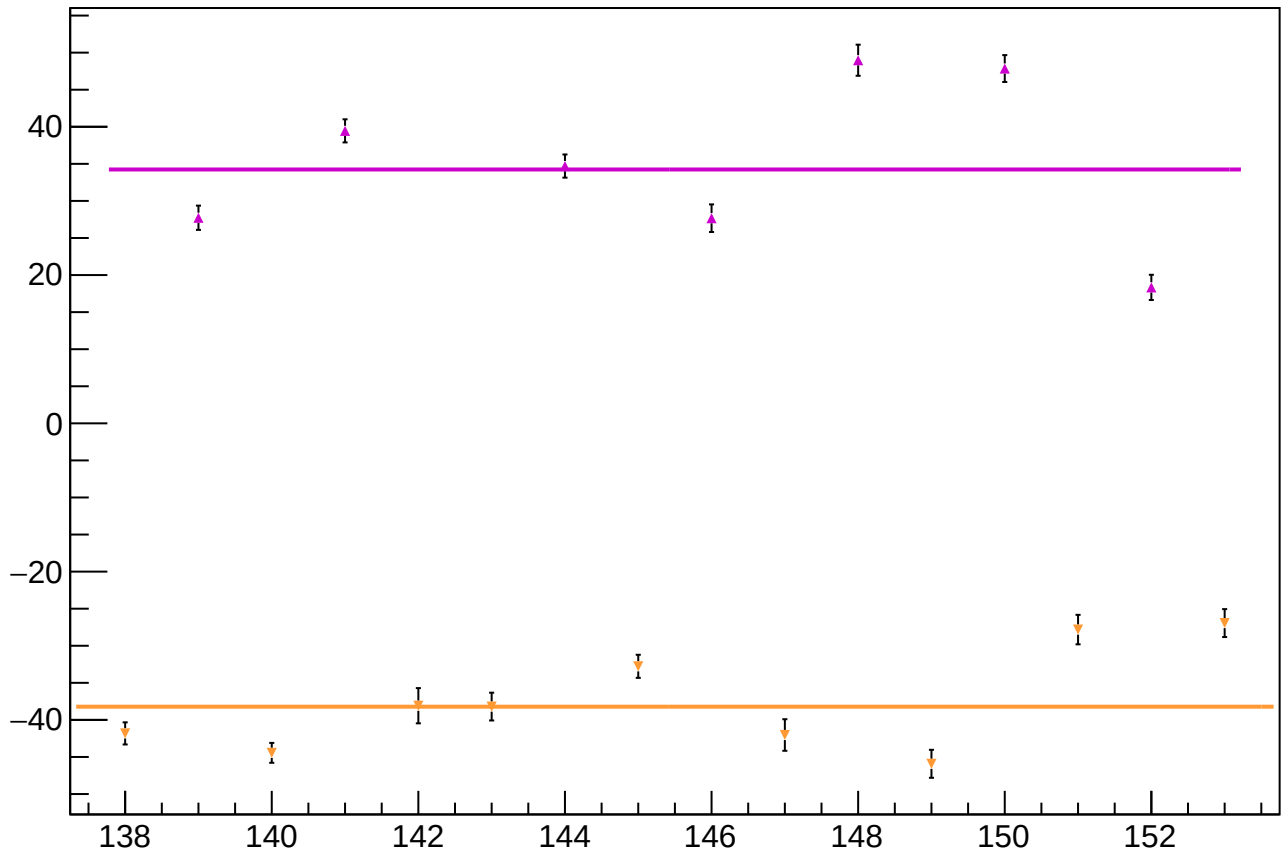
Left In: -0.552 $\pm$ 0.009 χ^2 /NDF:169.2/6

0.524 $\pm$ 0.008 χ^2 /NDF: 1442.3/25

0.037 $\pm$ 0.006 χ^2 /NDF: 10263.4/52

-0.485 $\pm$ 0.009 χ^2 /NDF: 1815.7/26

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: -38.218+/-0.586 χ^2/NDF : 122.7/8

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

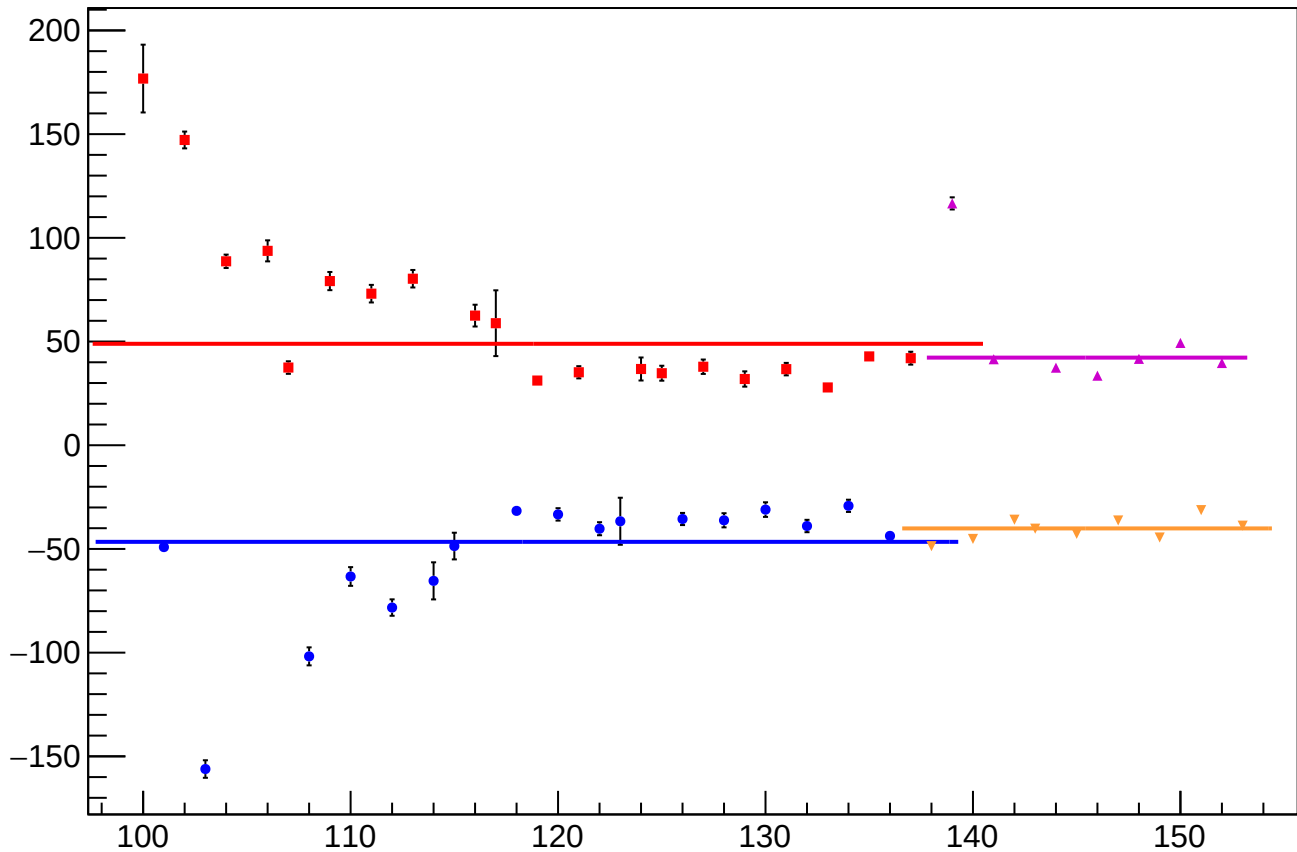
Left In: 34.240+/-0.651 χ^2/NDF : 233.0/6

-38.218+/-0.586 χ^2/NDF : 122.7/8

-5.792+/-0.435 χ^2/NDF : 7204.6/15

34.240+/-0.651 χ^2/NDF : 233.0/6

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -40.107 ± 0.411 χ^2/NDF : 151.4/8

Right Out: 48.911 ± 0.763 χ^2/NDF : 1277.9/19

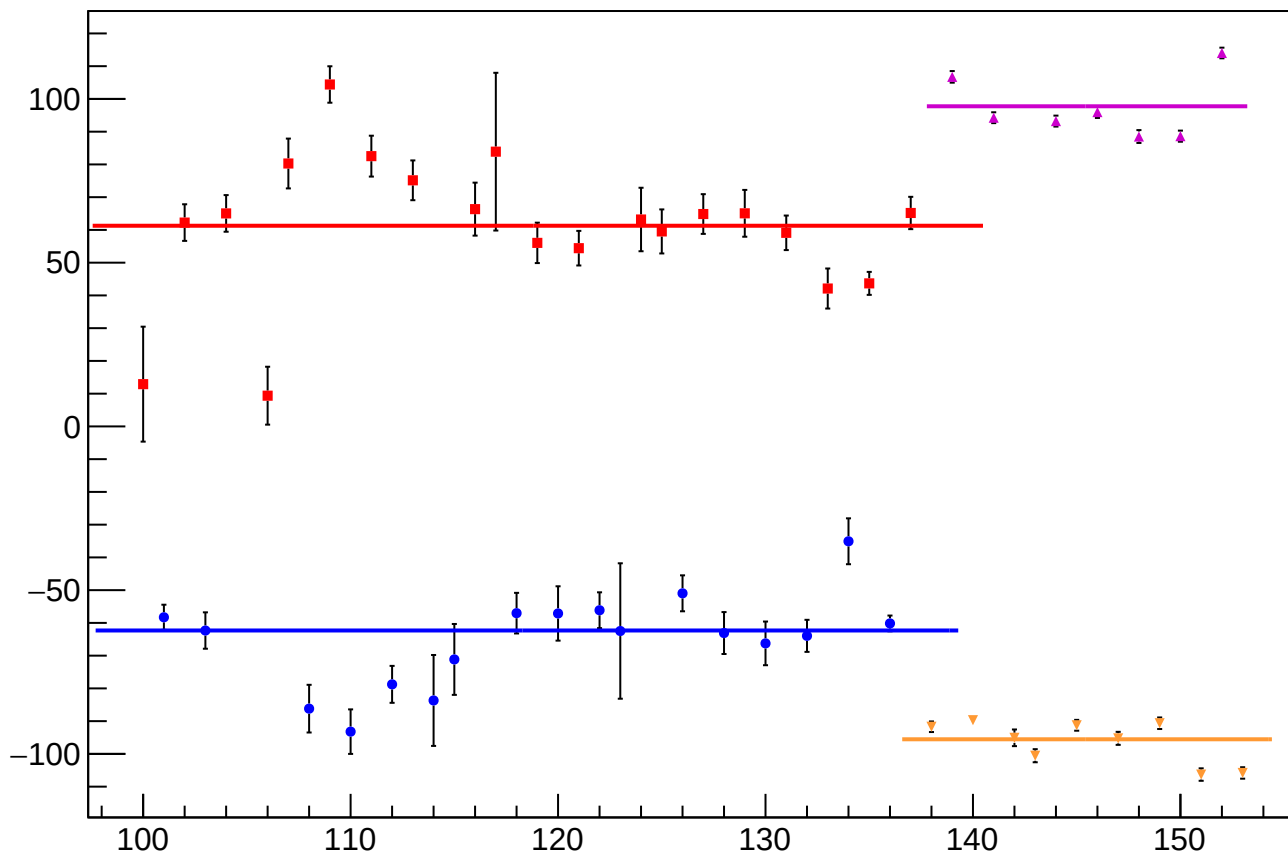
Left In: 42.247 ± 0.460 χ^2/NDF : 759.8/6

-41.664 ± 0.358 χ^2/NDF : 1287.5/25

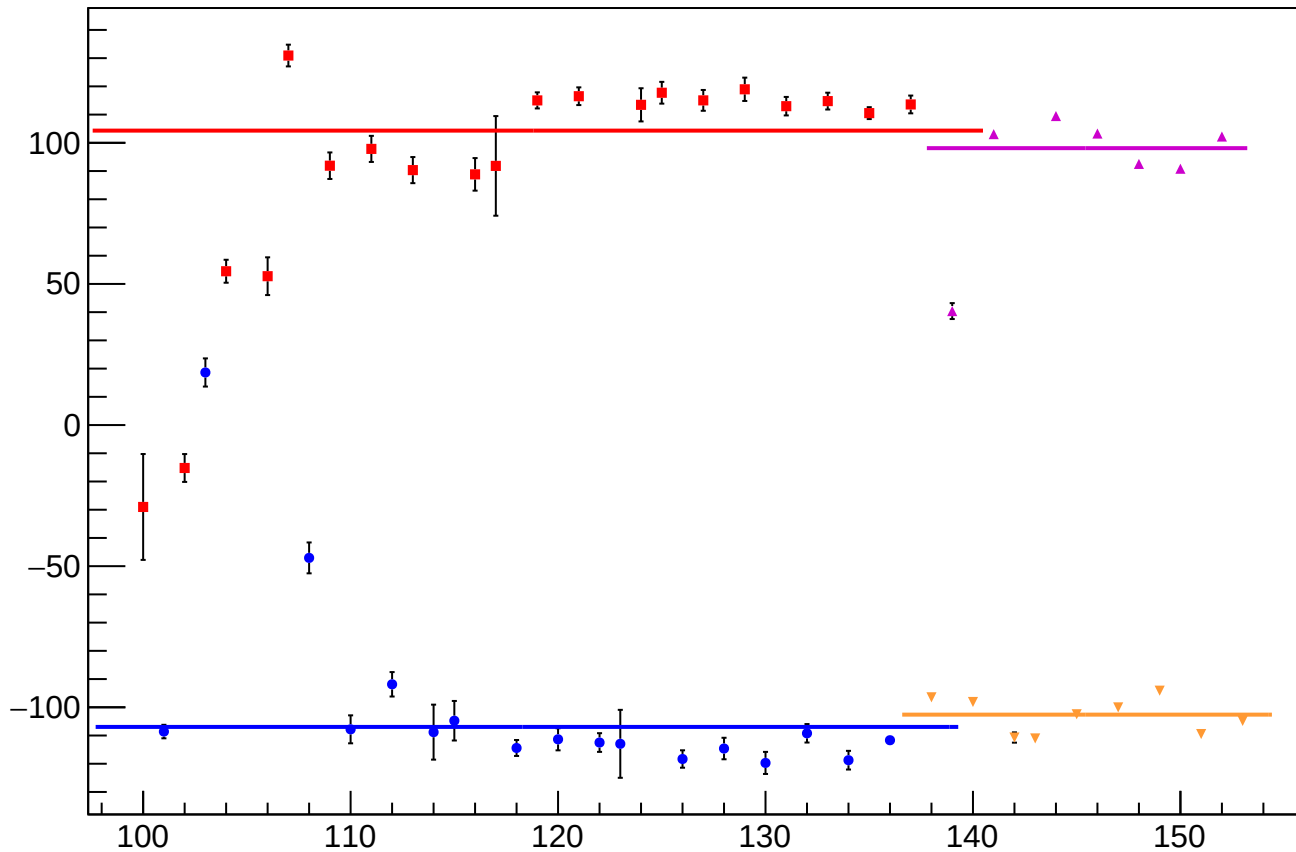
-2.897 ± 0.265 χ^2/NDF : 29320.9/52

44.023 ± 0.394 χ^2/NDF : 2093.7/26

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -102.602 ± 0.501 χ^2/NDF : 134.0/8

Right Out: 104.326 ± 0.860 χ^2/NDF : 1021.5/19

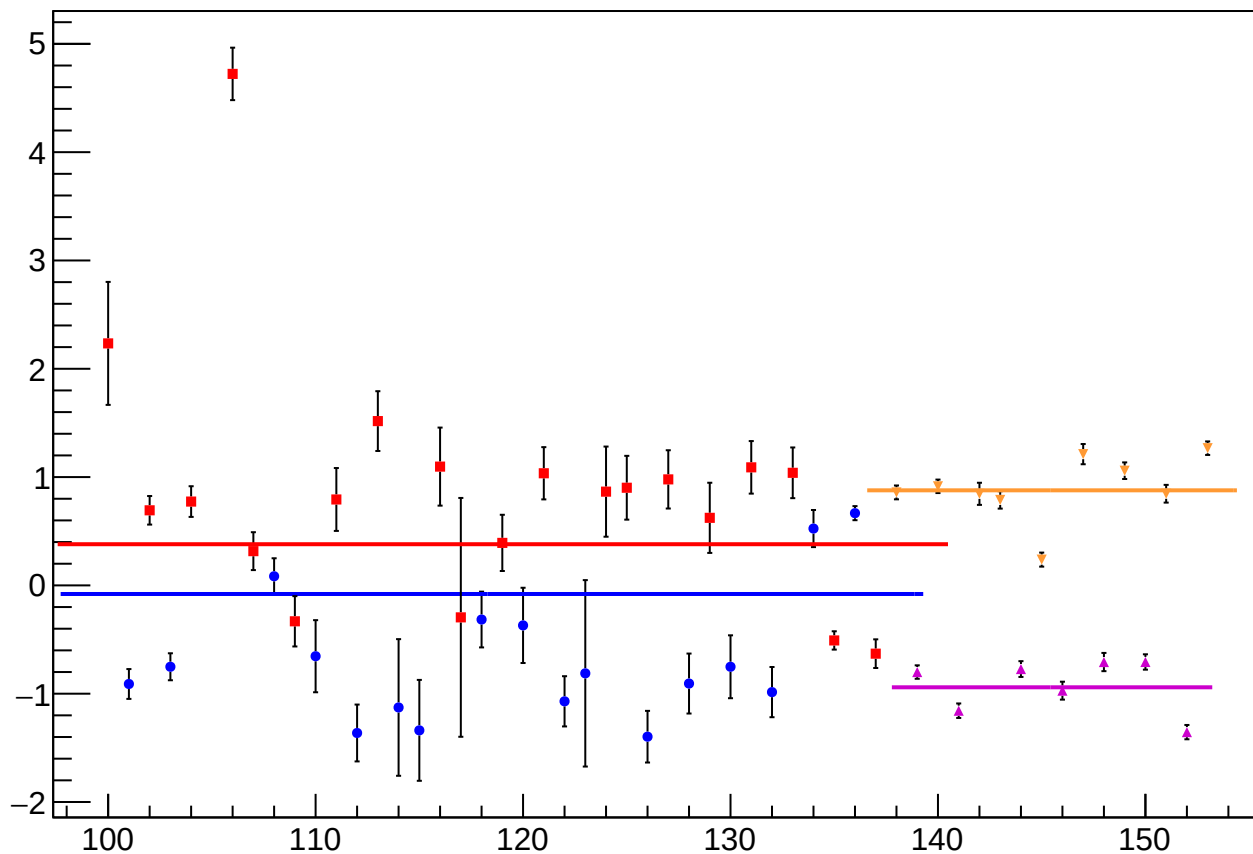
Left In: 98.109 ± 0.562 χ^2/NDF : 568.8/6

-103.790 ± 0.427 χ^2/NDF : 981.8/25

-11.706 ± 0.316 χ^2/NDF : 105501.5/52

99.967 ± 0.470 χ^2/NDF : 1626.9/26

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: 0.878 ± 0.024 χ^2/NDF : 156.4/8

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

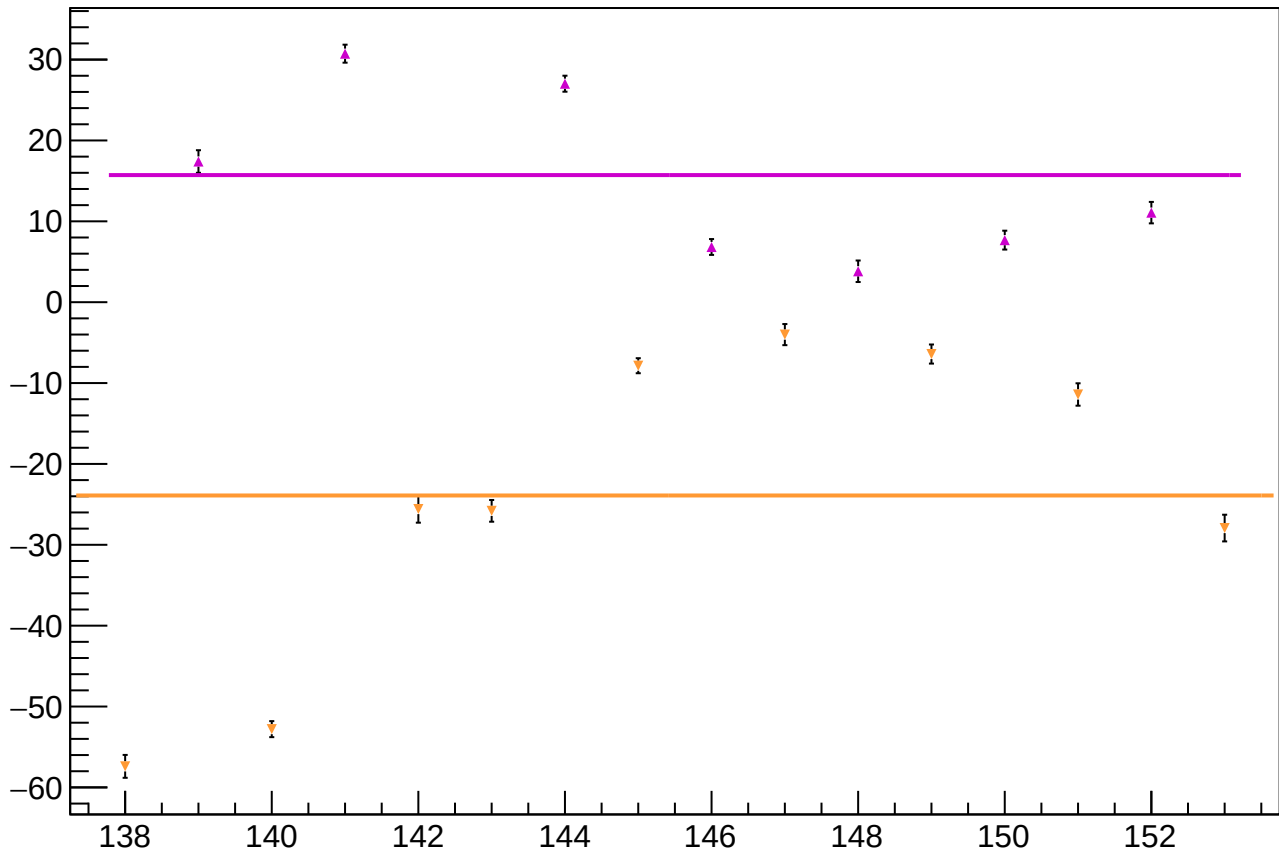
Left In: -0.941 ± 0.027 χ^2/NDF : 78.8/6

0.639 ± 0.021 χ^2/NDF : 869.7/25

0.079 ± 0.016 χ^2/NDF : 3718.8/52

-0.582 ± 0.023 χ^2/NDF : 1316.7/26

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: -23.902+/-0.416 χ^2/NDF : 2252.5/8

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

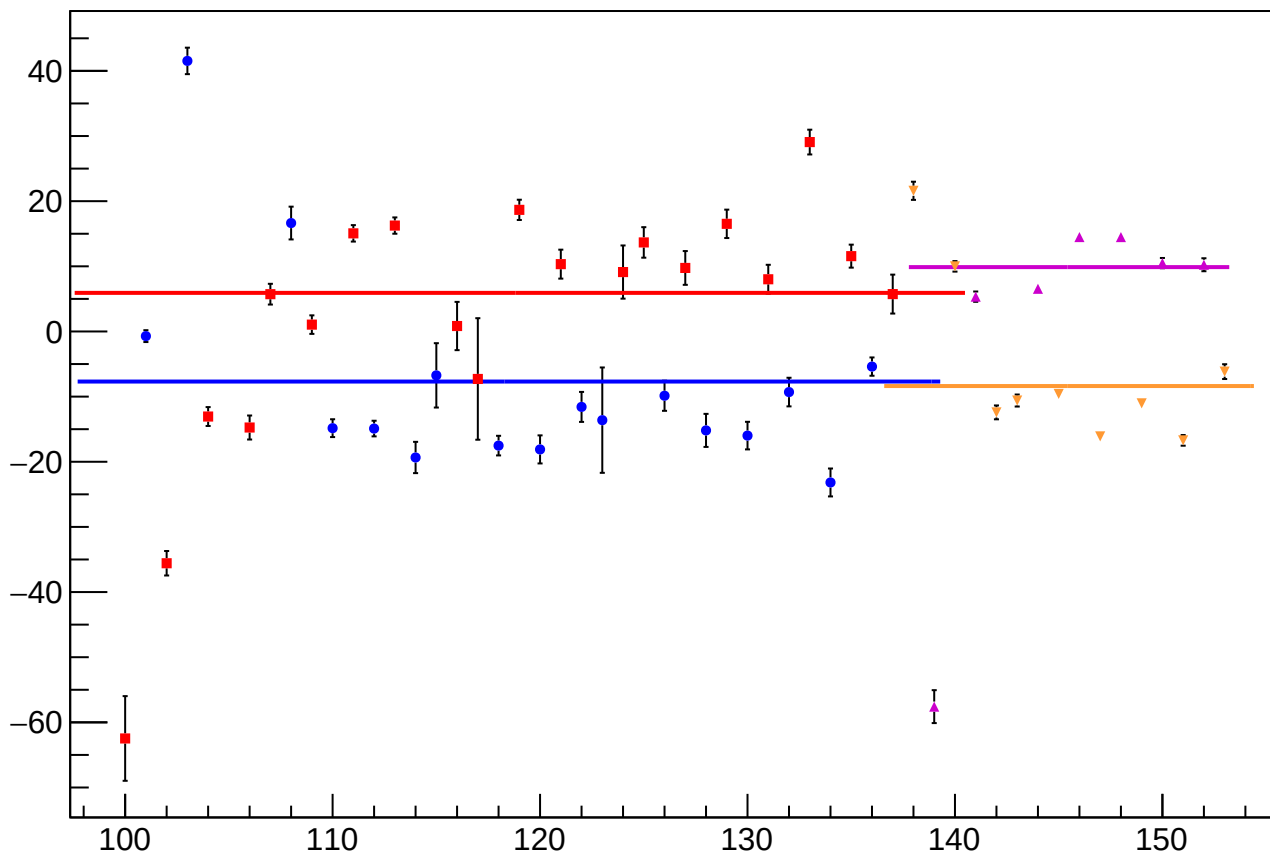
Left In: 15.718+/-0.436 χ^2/NDF : 536.1/6

-23.902+/-0.416 χ^2/NDF : 2252.5/8

-5.035+/-0.301 χ^2/NDF : 7107.7/15

15.718+/-0.436 χ^2/NDF : 536.1/6

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: -8.378 ± 0.284 χ^2/NDF : 1275.8/8

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

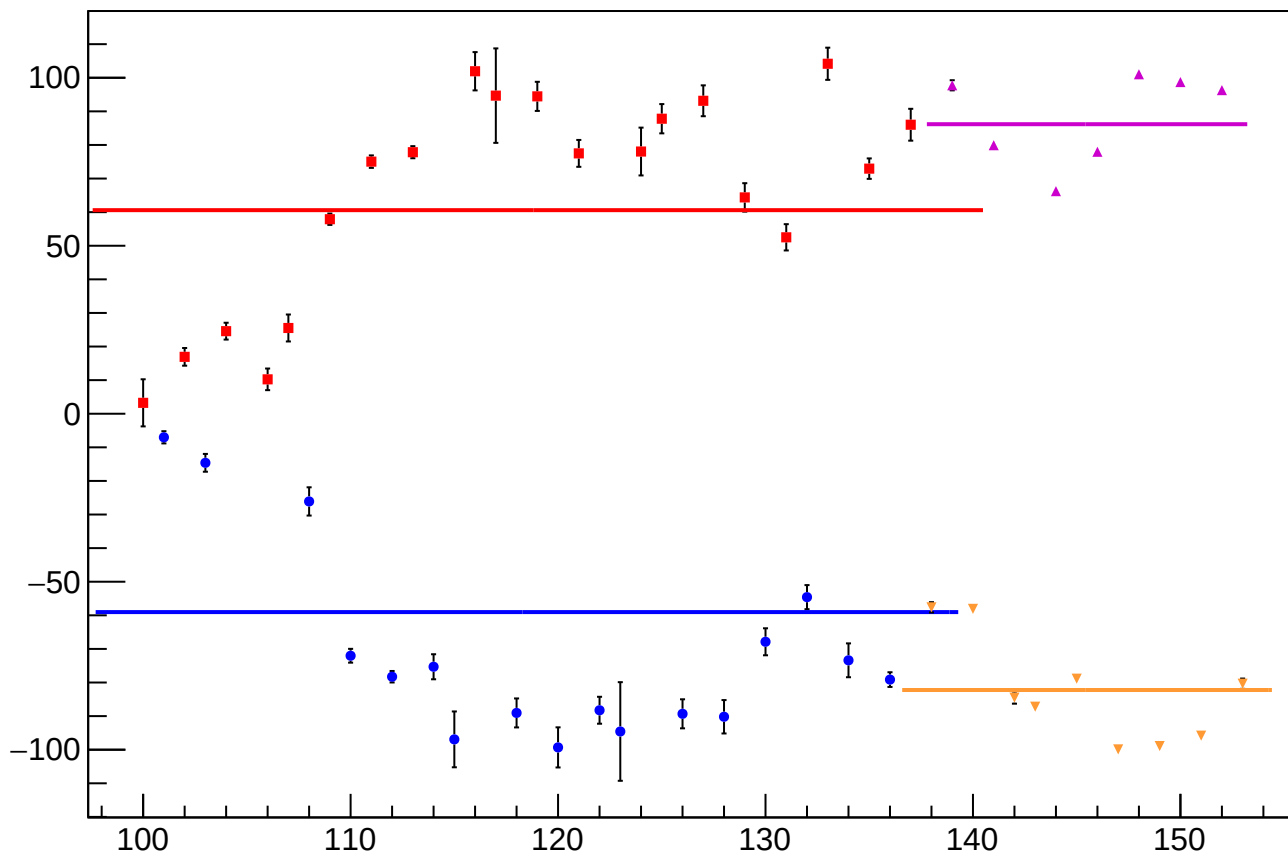
Left In: 9.879 ± 0.296 χ^2/NDF : 875.1/6

-8.168 ± 0.237 χ^2/NDF : 2253.5/25

-0.025 ± 0.170 χ^2/NDF : 6920.7/52

8.599 ± 0.244 χ^2/NDF : 2232.8/26

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: -82.229+/-0.421 χ^2/NDF : 1353.0/8

Right Out: 60.593+/-0.704 χ^2/NDF : 1390.7/19

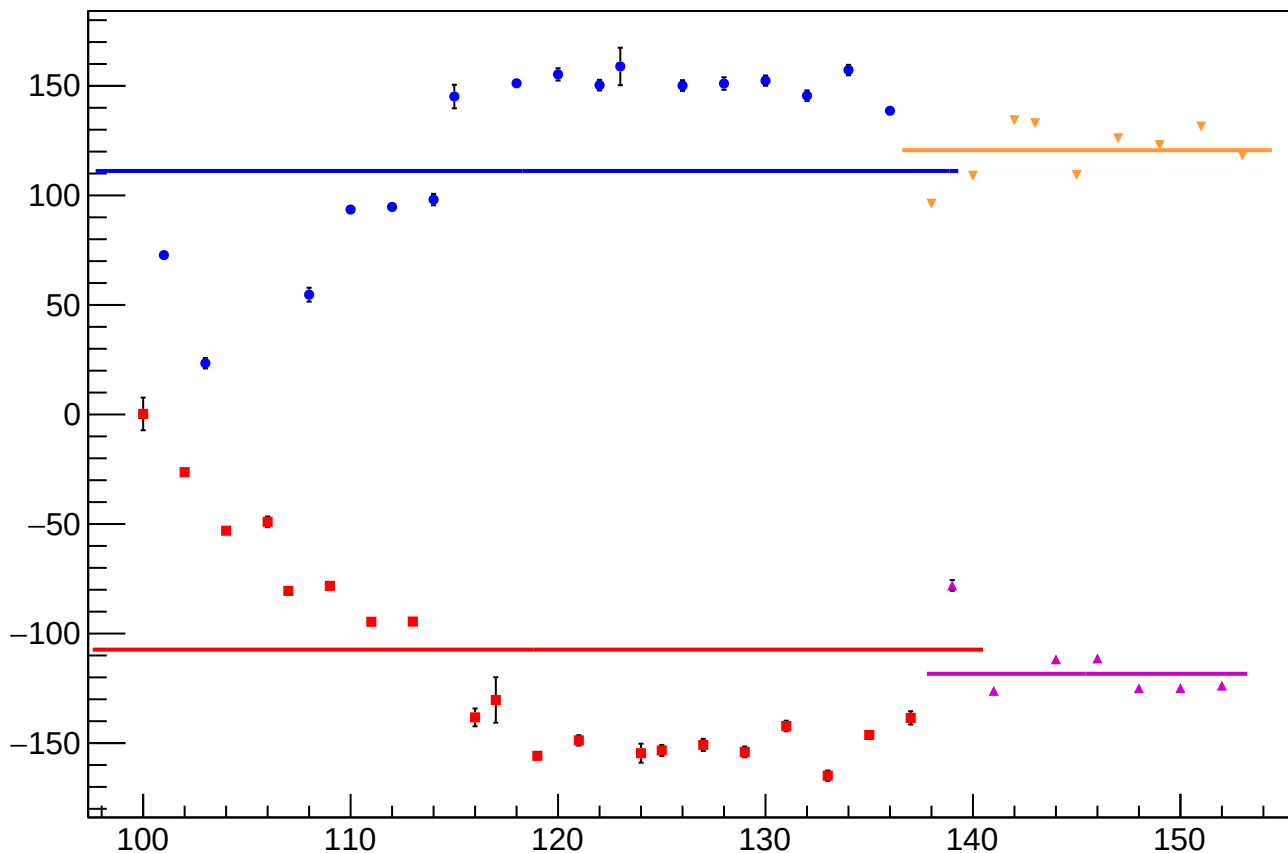
Left In: 86.177+/-0.435 χ^2/NDF : 854.4/6

-76.625+/-0.367 χ^2/NDF : 3796.0/25

0.462+/-0.260 χ^2/NDF : 96341.3/52

79.093+/-0.370 χ^2/NDF : 3201.4/26

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 120.649 $\pm$ 0.349 χ^2 /NDF: 934.8/8

Right Out: -107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

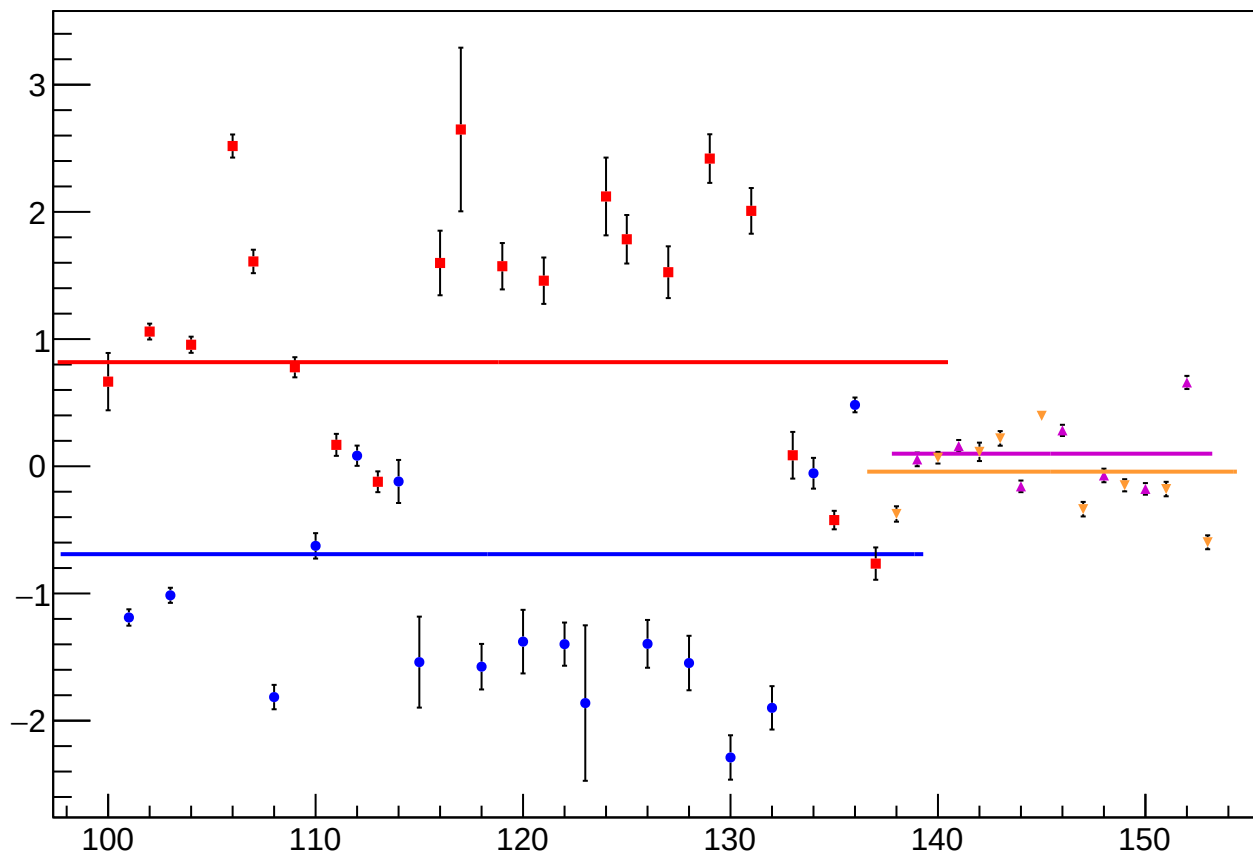
Left In: -118.369 $\pm$ 0.364 χ^2 /NDF: 611.8/6

117.451 $\pm$ 0.284 χ^2 /NDF: 7062.0/25

4.714 $\pm$ 0.203 χ^2 /NDF: 339453.0/52

-114.410 $\pm$ 0.292 χ^2 /NDF: 8000.9/26

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: -0.042 ± 0.017 χ^2/NDF : 330.8/8

Right Out: 0.819 ± 0.024 χ^2/NDF : 1312.5/19

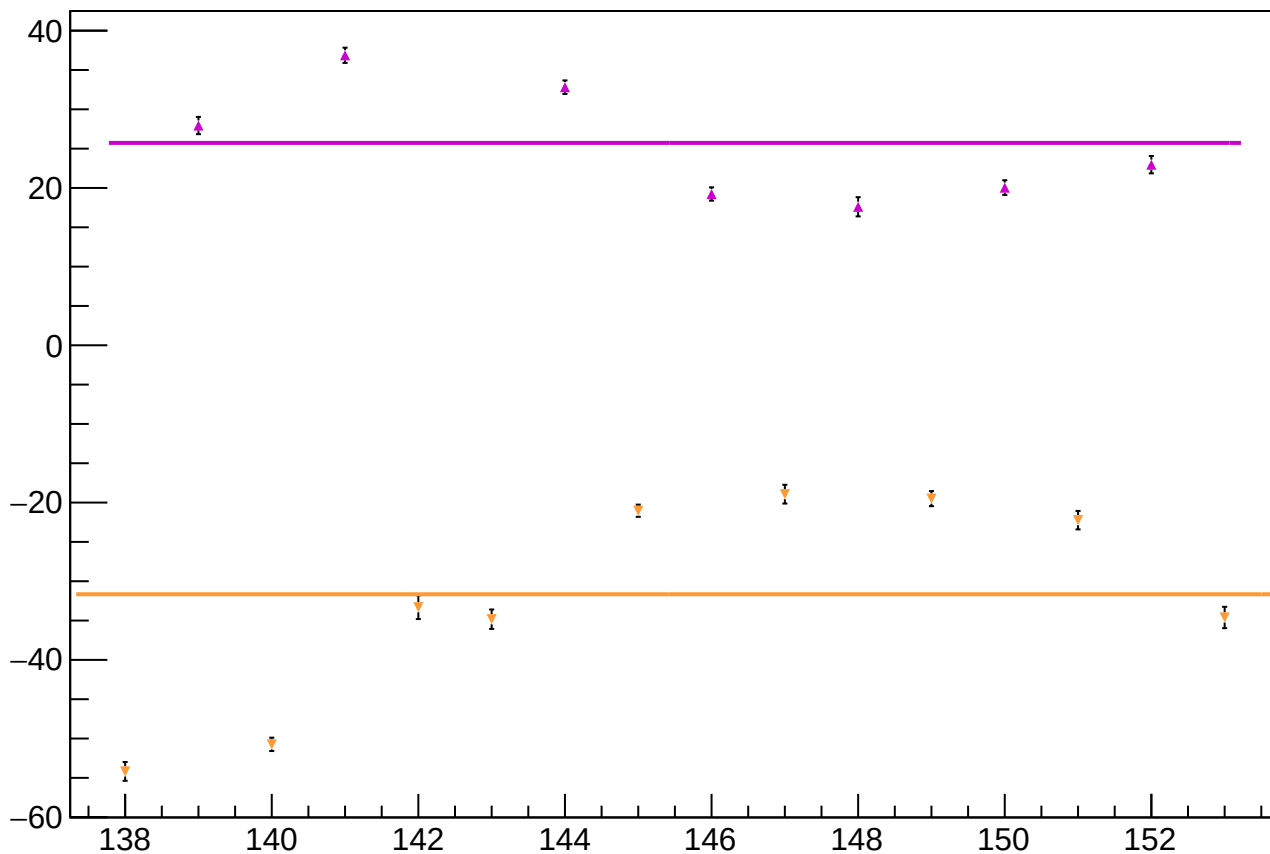
Left In: 0.099 ± 0.018 χ^2/NDF : 215.7/6

-0.245 ± 0.014 χ^2/NDF : 1755.6/25

0.053 ± 0.010 χ^2/NDF : 4704.9/52

0.359 ± 0.015 χ^2/NDF : 2086.1/26

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.656+/-0.356 χ^2/NDF :1398.9/8

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

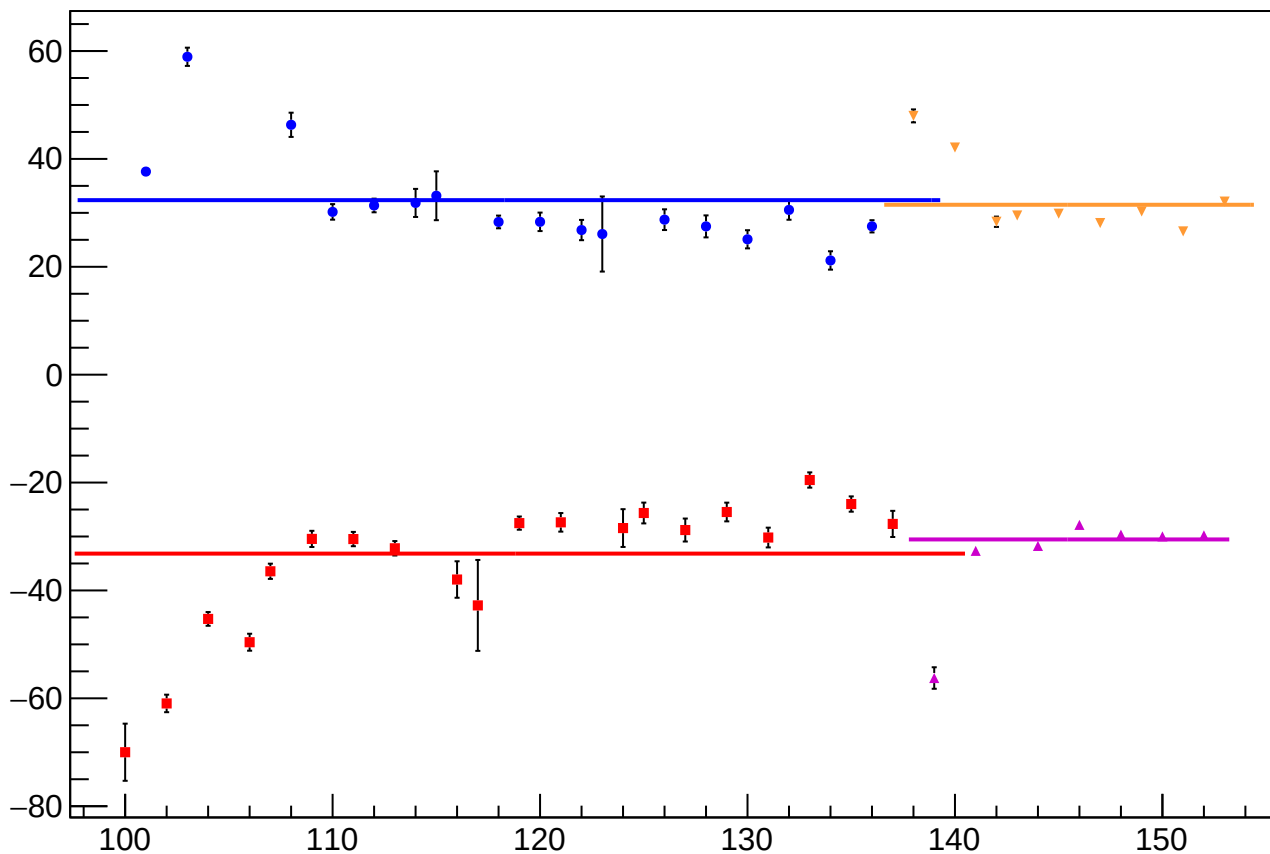
Left In: 25.731+/-0.371 χ^2/NDF :349.3/6

-31.656+/-0.356 χ^2/NDF : 1398.9/8

-4.176+/-0.257 χ^2/NDF : 14205.3/15

25.731+/-0.371 χ^2/NDF : 349.3/6

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: 31.499 ± 0.246 χ^2/NDF : 530.8/8

Right Out: -33.172 ± 0.378 χ^2/NDF : 773.3/19

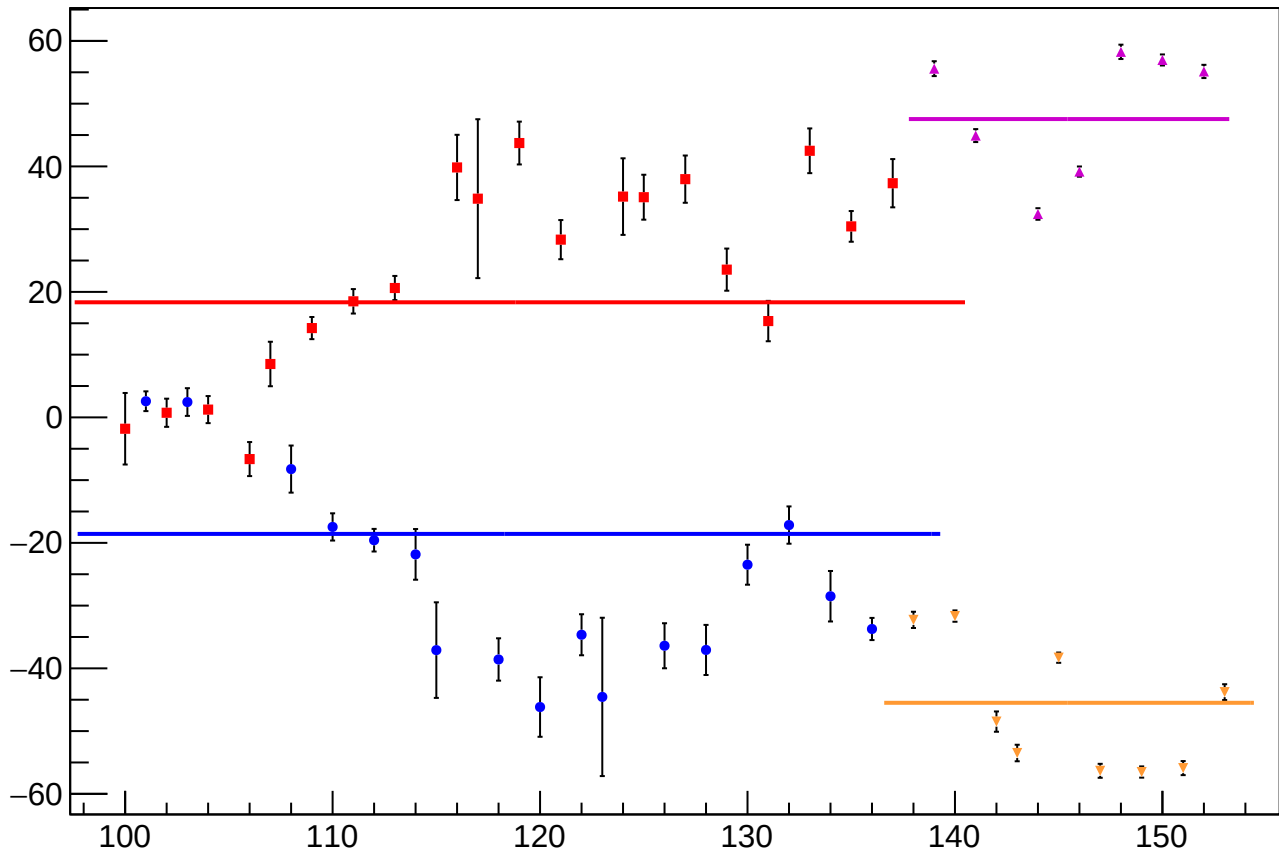
Left In: -30.544 ± 0.258 χ^2/NDF : 207.4/6

31.757 ± 0.206 χ^2/NDF : 984.9/25

1.309 ± 0.148 χ^2/NDF : 47336.2/52

-31.379 ± 0.213 χ^2/NDF : 1013.5/26

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: -45.490 ± 0.359 χ^2/NDF : 789.1/8

Right Out: 18.343 ± 0.643 χ^2/NDF : 475.1/19

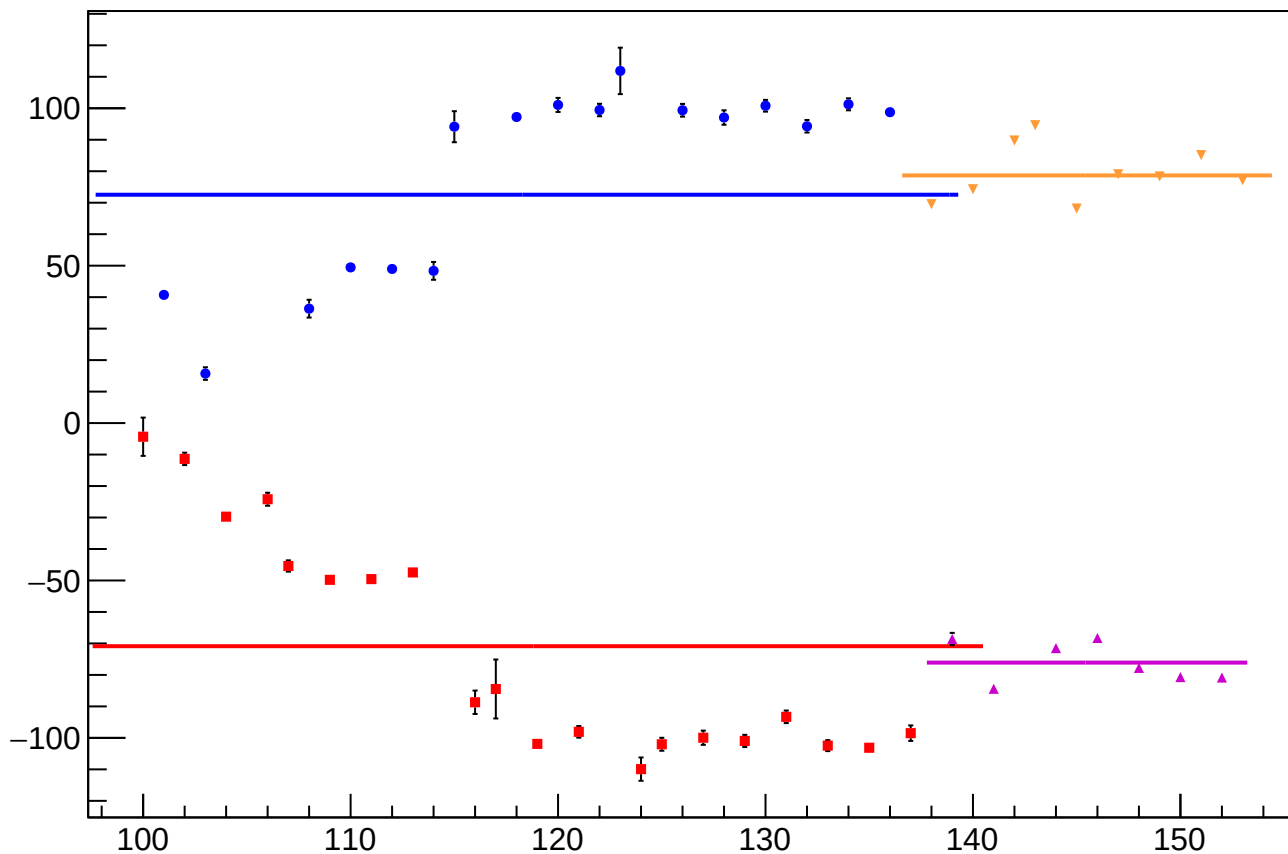
Left In: 47.547 ± 0.370 χ^2/NDF : 681.0/6

-39.440 ± 0.316 χ^2/NDF : 2561.4/25

-0.158 ± 0.225 χ^2/NDF : 36535.8/52

40.268 ± 0.321 χ^2/NDF : 2704.8/26

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: 78.671+/-0.301 χ^2/NDF : 664.8/8

Right Out: -70.878+/-0.433 χ^2/NDF : 5502.3/19

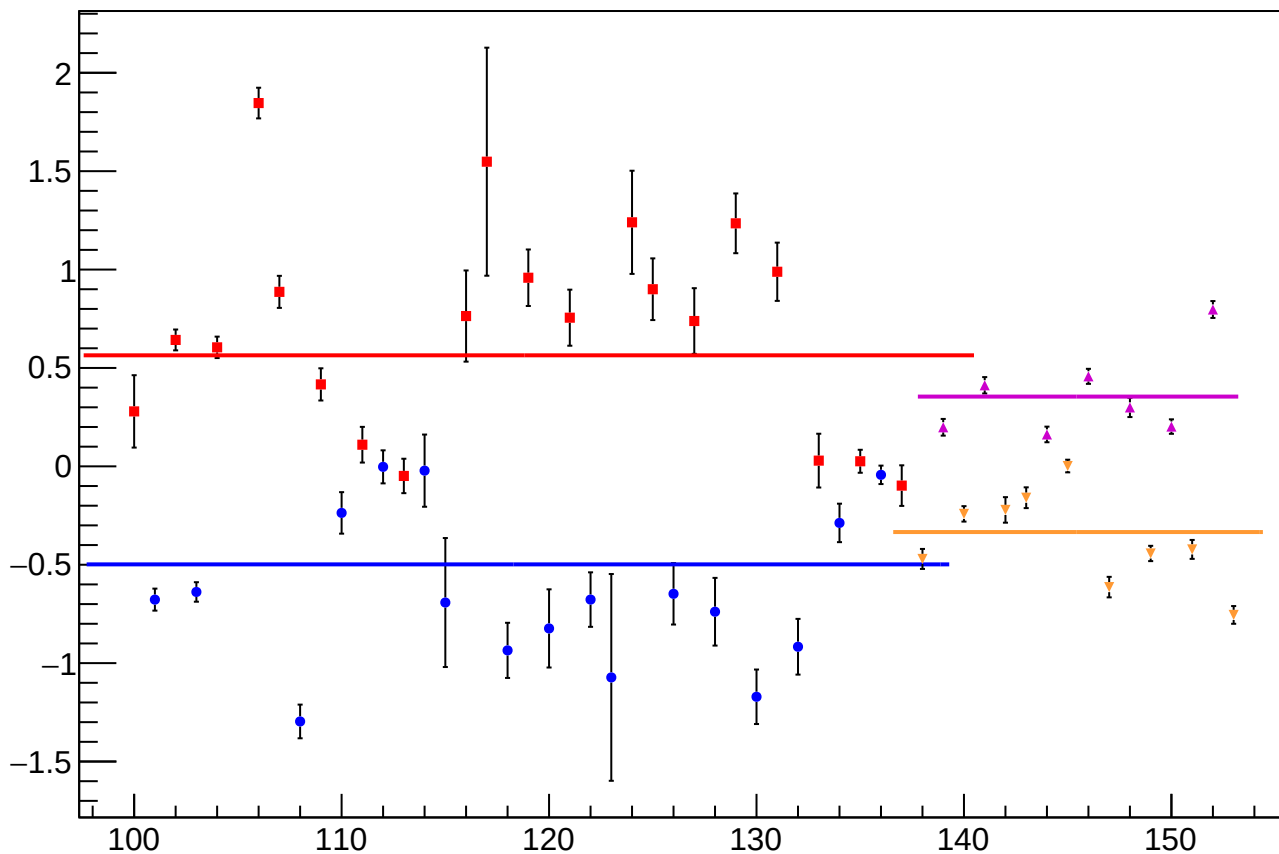
Left In: -76.086+/-0.315 χ^2/NDF : 355.2/6

76.645+/-0.246 χ^2/NDF : 5486.3/25

3.699+/-0.177 χ^2/NDF : 193175.3/52

-74.285+/-0.254 χ^2/NDF : 5952.3/26

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: -0.334 ± 0.015 χ^2/NDF : 262.9/8

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

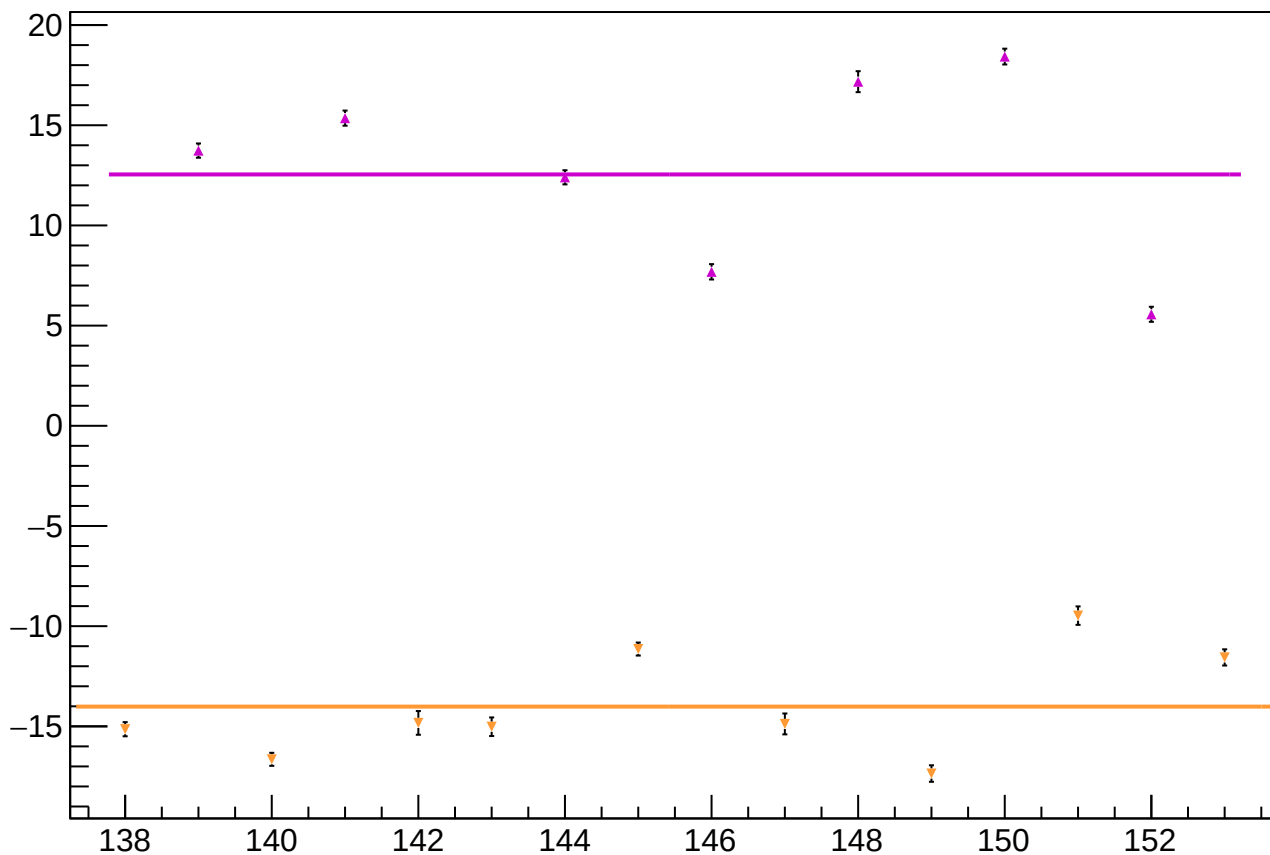
Left In: 0.354 ± 0.016 χ^2/NDF : 171.0/6

-0.384 ± 0.012 χ^2/NDF : 603.2/25

0.014 ± 0.009 χ^2/NDF : 3518.7/52

0.427 ± 0.013 χ^2/NDF : 797.6/26

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: -14.014+/-0.135 χ^2/NDF : 363.2/8

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

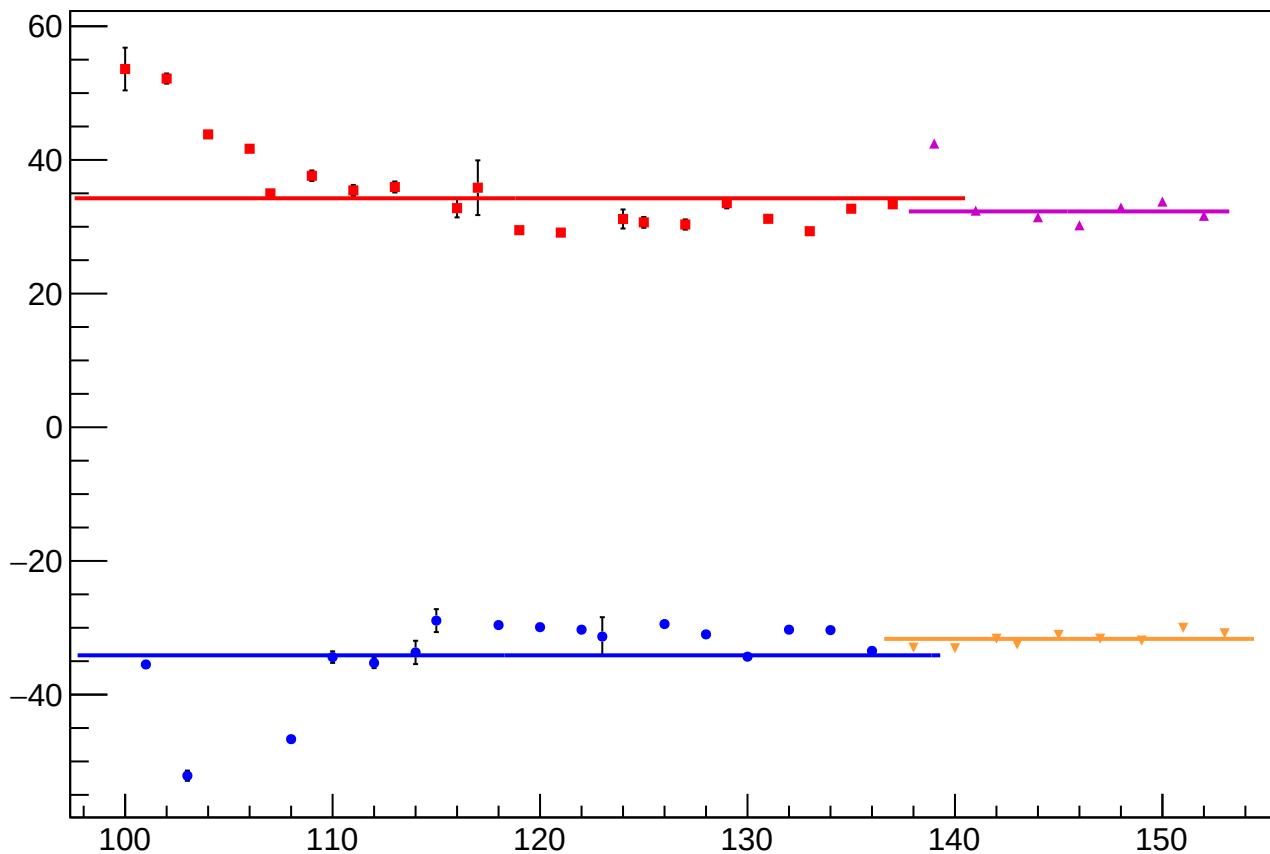
Left In: 12.545+/-0.146 χ^2/NDF : 873.4/6

-14.014+/-0.135 χ^2/NDF : 363.2/8

-1.774+/-0.099 χ^2/NDF : 19070.5/15

12.545+/-0.146 χ^2/NDF : 873.4/6

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 $\pm$ 0.152 χ^2 /NDF: 1322.4/16

Left Out: -31.661 $\pm$ 0.096 χ^2 /NDF: 99.1/8

Right Out: 34.262 $\pm$ 0.151 χ^2 /NDF: 1355.1/19

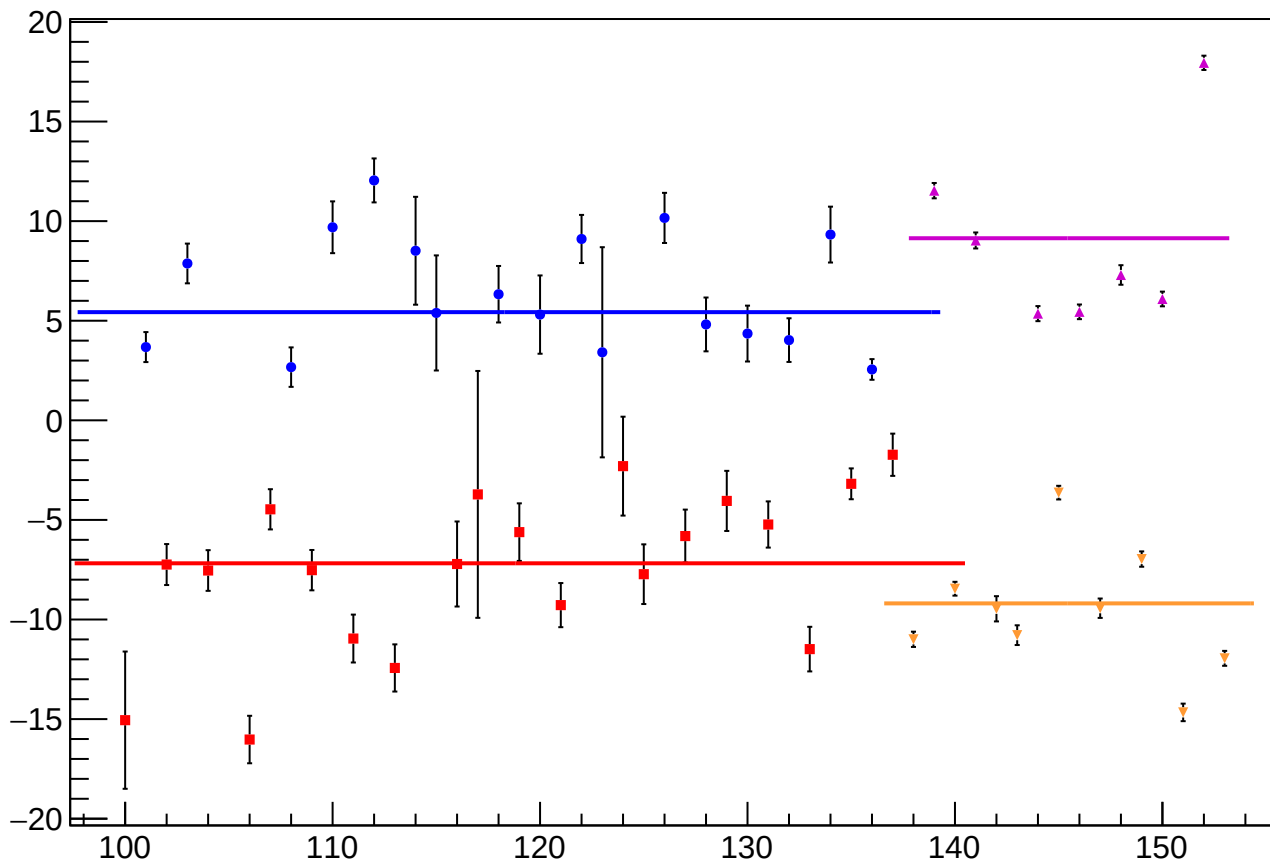
Left In: 32.294 $\pm$ 0.106 χ^2 /NDF: 375.6/6

-32.364 $\pm$ 0.081 χ^2 /NDF: 1609.2/25

-1.798 $\pm$ 0.059 χ^2 /NDF: 306829.7/52

32.942 $\pm$ 0.086 χ^2 /NDF: 1845.0/26

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: -9.191 ± 0.137 χ^2/NDF : 542.3/8

Right Out: -7.178 ± 0.274 χ^2/NDF : 182.4/19

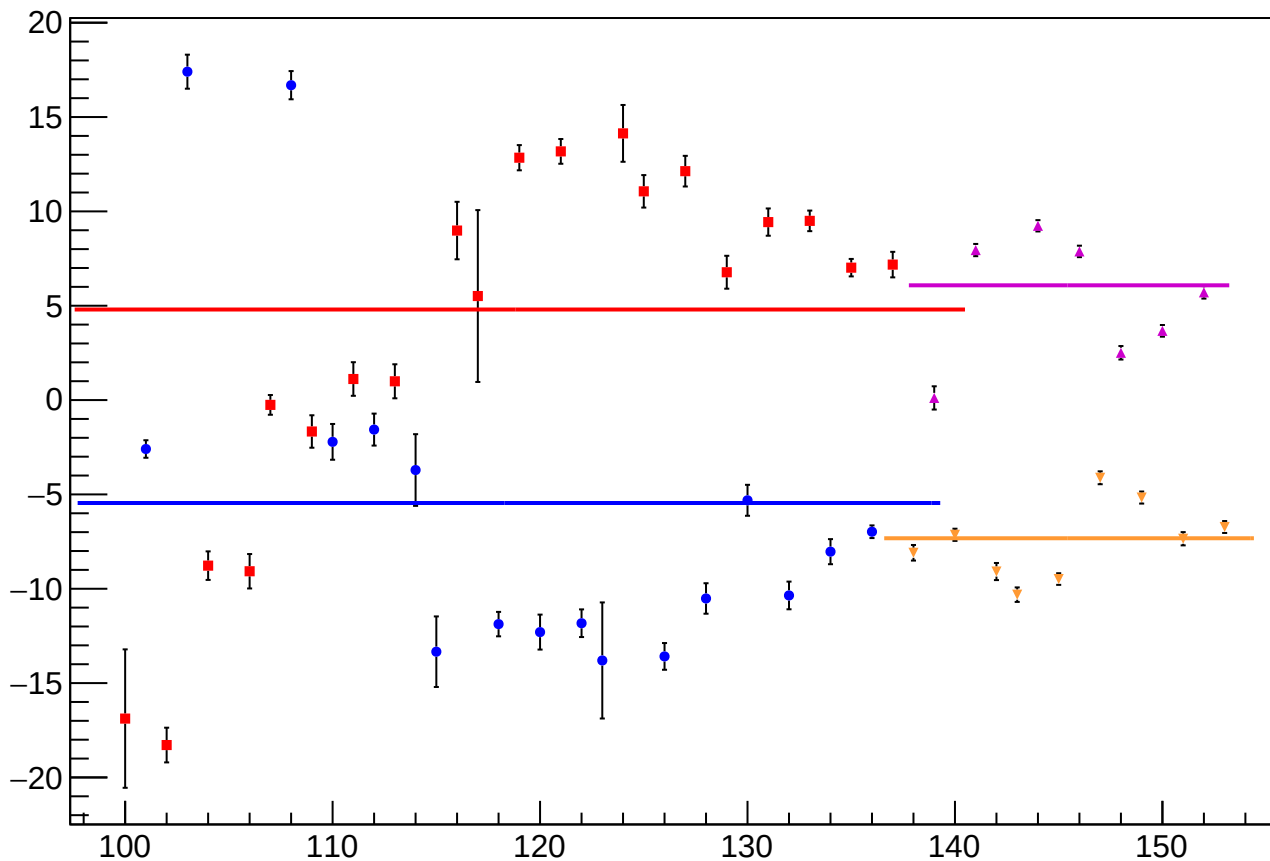
Left In: 9.142 ± 0.147 χ^2/NDF : 923.4/6

-6.211 ± 0.122 χ^2/NDF : 3002.6/25

-0.684 ± 0.089 χ^2/NDF : 11213.3/52

5.514 ± 0.129 χ^2/NDF : 3861.3/26

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: -7.324 ± 0.116 χ^2/NDF : 265.4/8

Right Out: 4.799 ± 0.173 χ^2/NDF : 2047.5/19

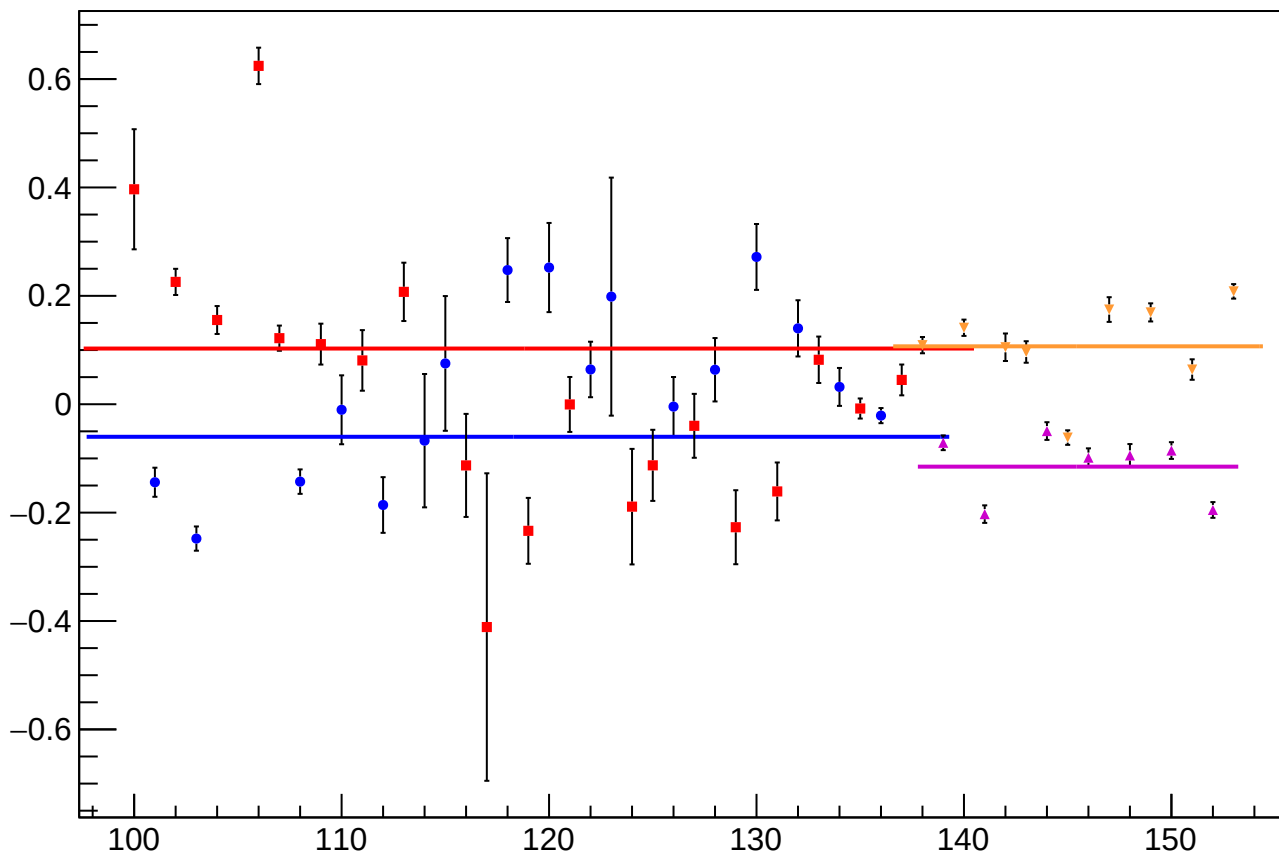
Left In: 6.082 ± 0.128 χ^2/NDF : 434.1/6

-6.733 ± 0.096 χ^2/NDF : 2443.7/25

-0.962 ± 0.070 χ^2/NDF : 12688.8/52

5.629 ± 0.103 χ^2/NDF : 2517.2/26

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: 0.107 ± 0.006 χ^2/NDF : 247.6/8

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

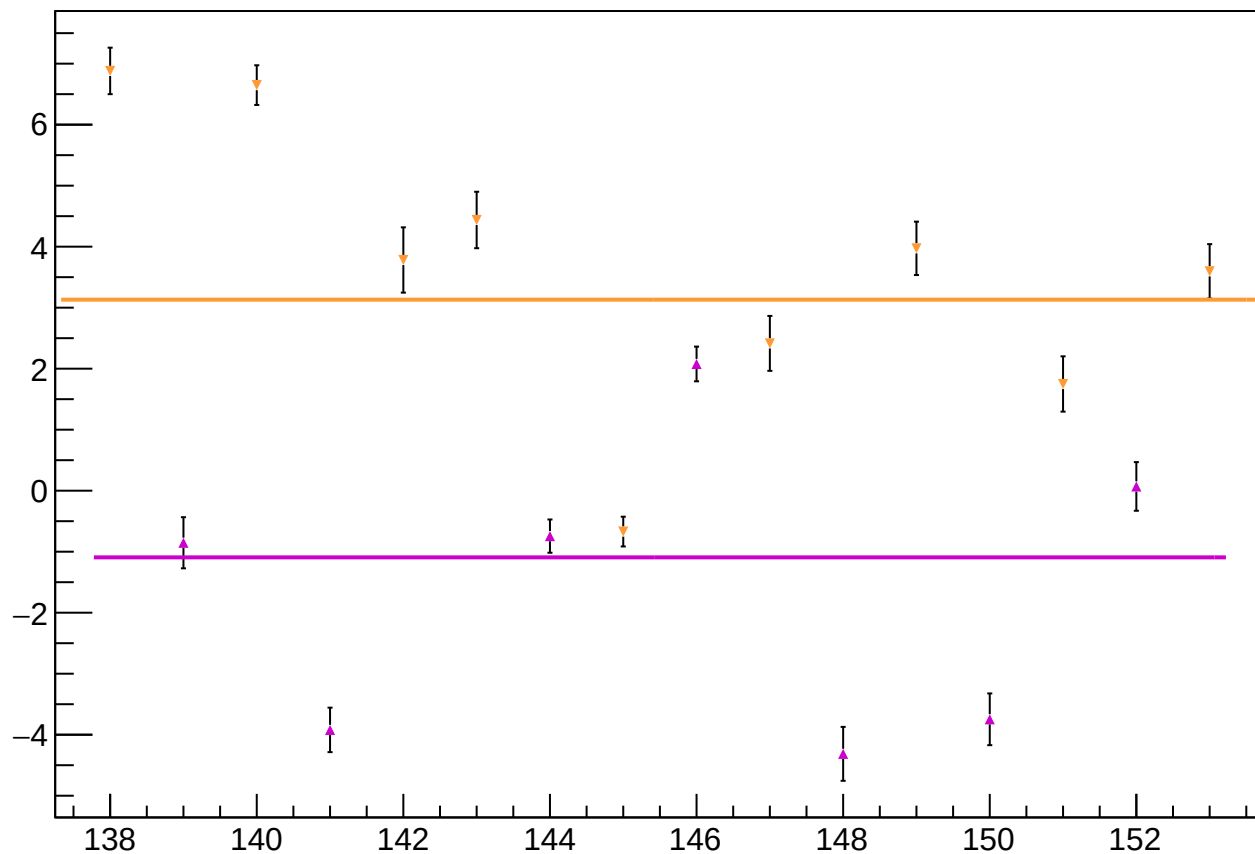
Left In: -0.115 ± 0.006 χ^2/NDF : 91.8/6

0.056 ± 0.005 χ^2/NDF : 737.6/25

0.010 ± 0.003 χ^2/NDF : 1918.4/52

-0.042 ± 0.005 χ^2/NDF : 971.5/26

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 3.131+/-0.128 χ^2/NDF : 482.8/8

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

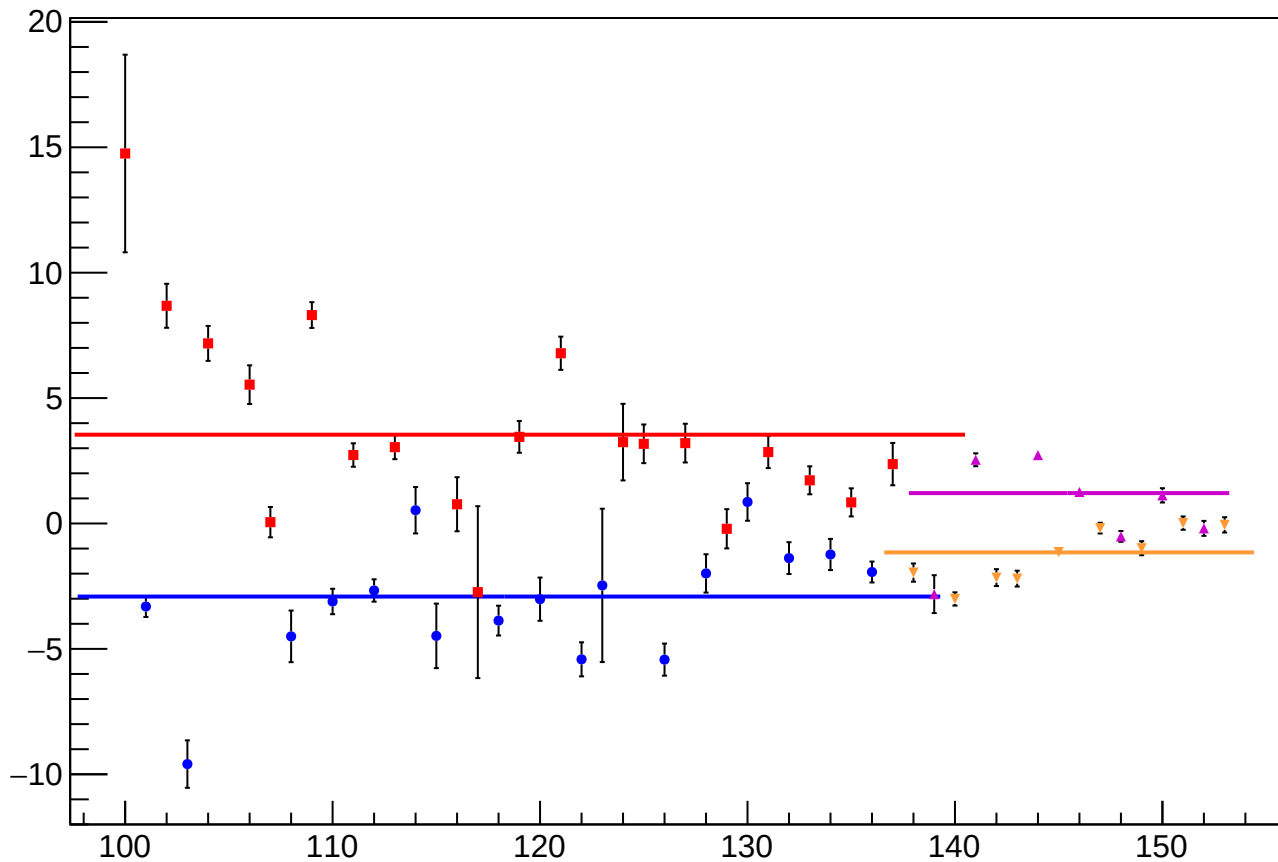
Left In: -1.093+/-0.134 χ^2/NDF : 287.1/6

3.131+/-0.128 χ^2/NDF : 482.8/8

1.116+/-0.092 χ^2/NDF : 1292.5/15

-1.093+/-0.134 χ^2/NDF : 287.1/6

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -1.154 ± 0.089 $\chi^2/\text{NDF}: 127.1/8$

Right Out: 3.540 ± 0.154 $\chi^2/\text{NDF}: 294.2/19$

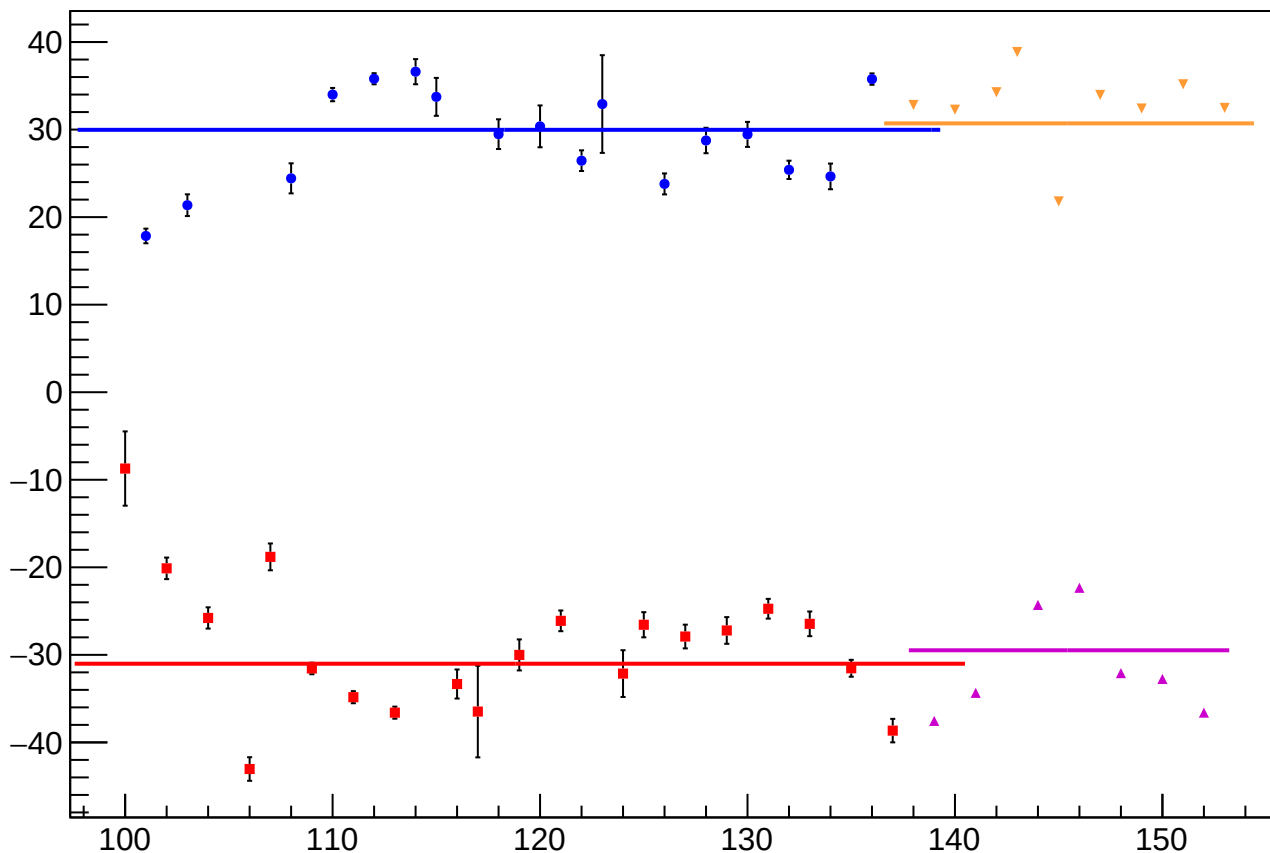
Left In: 1.211 ± 0.091 $\chi^2/\text{NDF}: 202.1/6$

-1.591 ± 0.077 $\chi^2/\text{NDF}: 370.3/25$

0.084 ± 0.055 $\chi^2/\text{NDF}: 1992.0/52$

1.811 ± 0.078 $\chi^2/\text{NDF}: 665.1/26$

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: 30.710 ± 0.130 $\chi^2/\text{NDF}: 1736.9/8$

Right Out: -31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

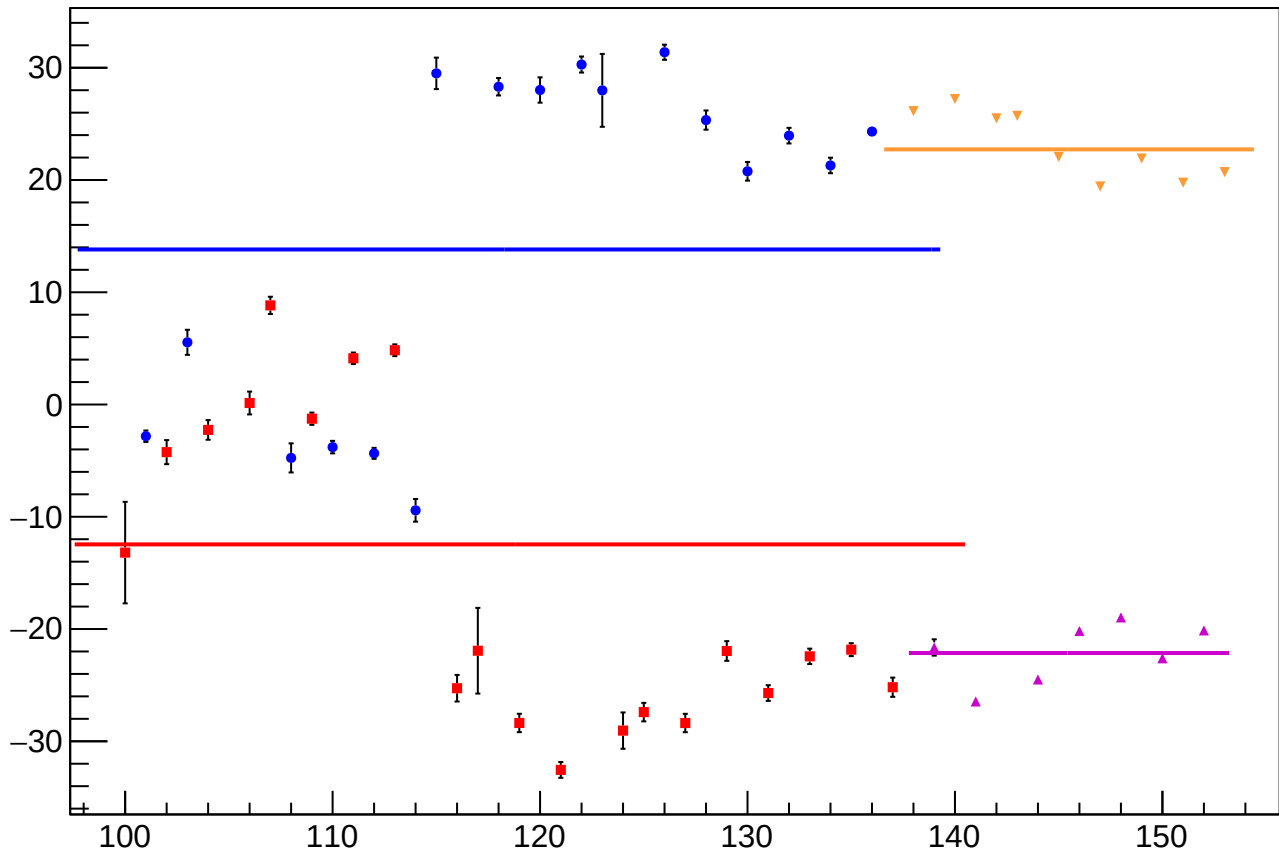
Left In: -29.478 ± 0.134 $\chi^2/\text{NDF}: 1928.5/6$

30.568 ± 0.117 $\chi^2/\text{NDF}: 2297.4/25$

0.898 ± 0.083 $\chi^2/\text{NDF}: 135428.2/52$

-29.801 ± 0.119 $\chi^2/\text{NDF}: 2436.6/26$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813+/-0.173 χ^2/NDF : 7318.6/16

Left Out: 22.730+/-0.109 χ^2/NDF : 617.9/8

Right Out: -12.460+/-0.174 χ^2/NDF : 6976.5/19

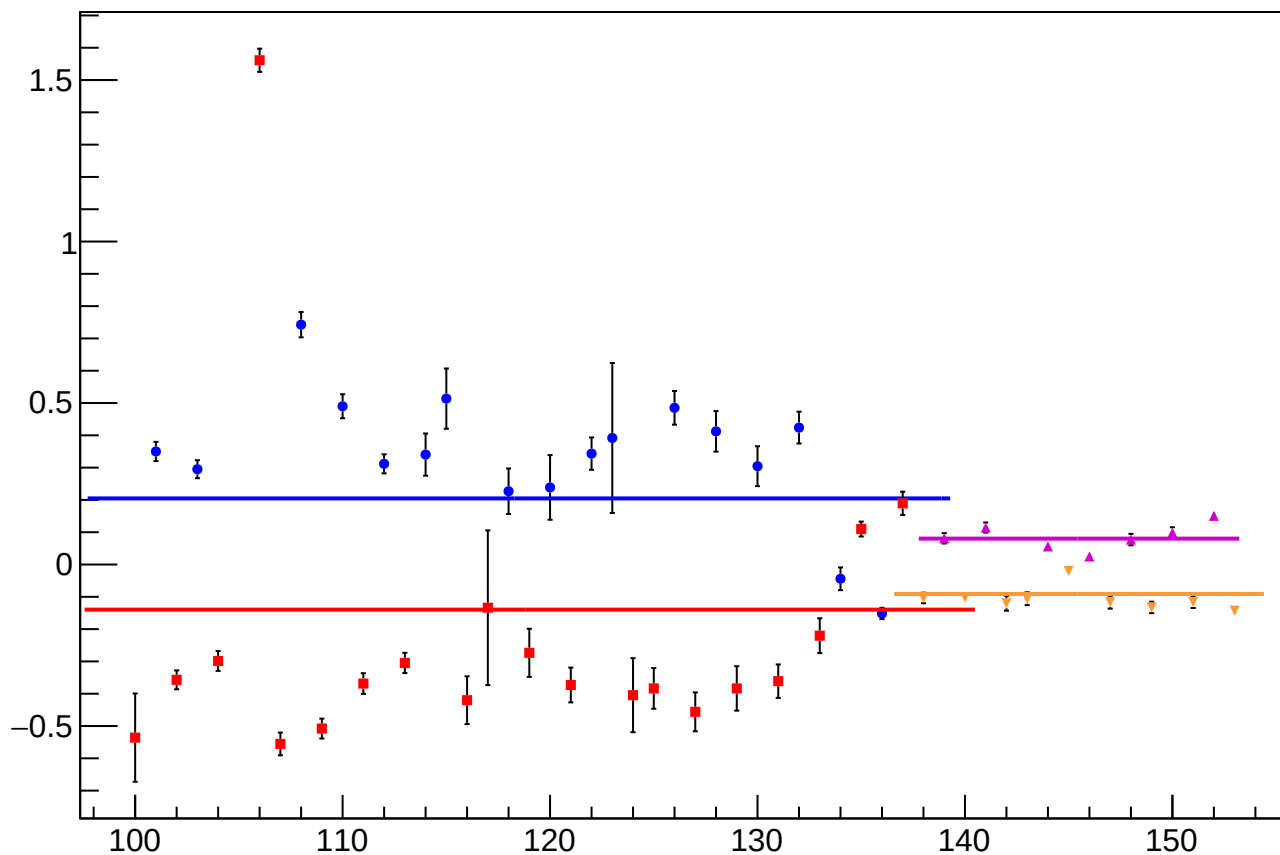
Left In: -22.138+/-0.112 χ^2/NDF : 521.1/6

20.201+/-0.092 χ^2/NDF : 9847.1/25

0.904+/-0.066 χ^2/NDF : 109676.9/52

-19.294+/-0.094 χ^2/NDF : 9693.7/26

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.091 ± 0.005 χ^2/NDF : 73.5/8

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/19

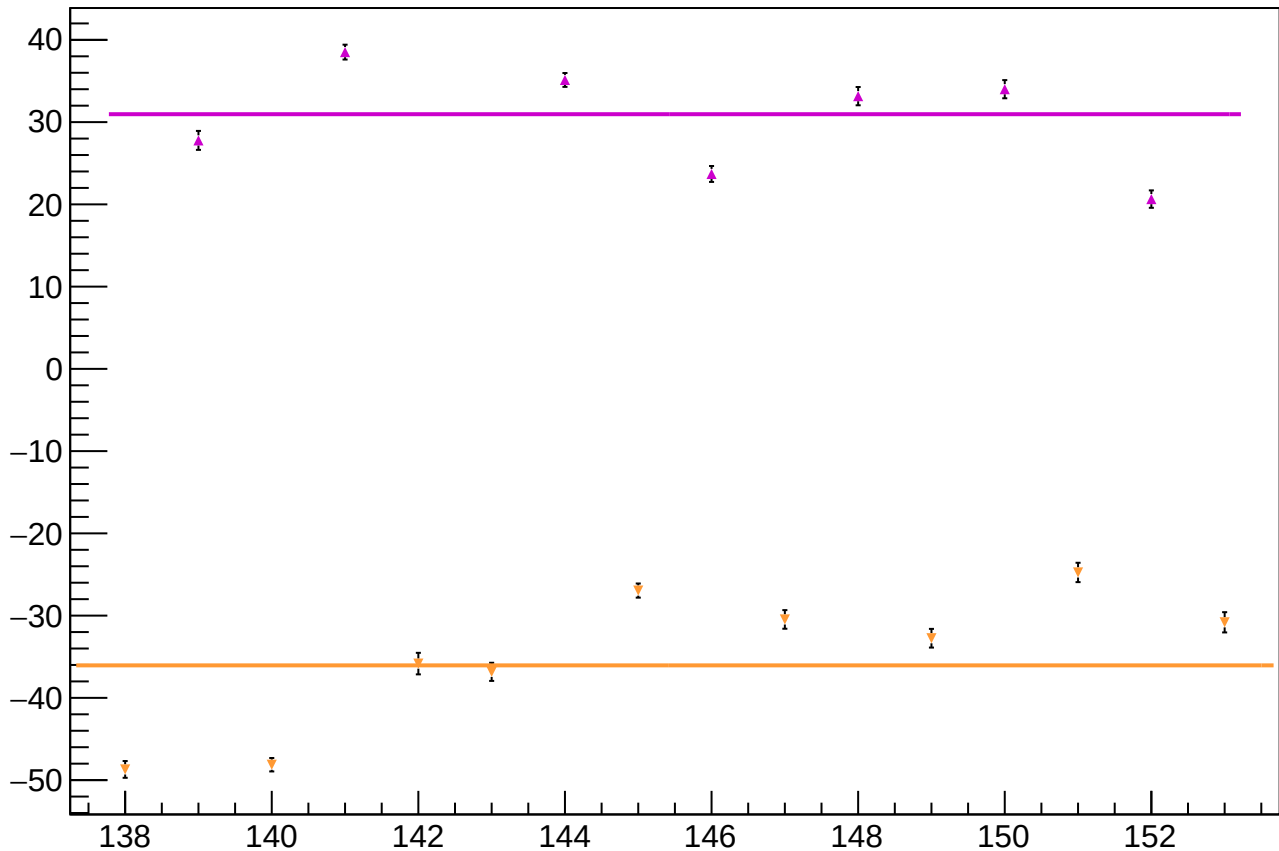
Left In: 0.080 ± 0.006 χ^2/NDF : 49.4/6

-0.019 ± 0.005 χ^2/NDF : 1672.8/25

-0.000 ± 0.003 χ^2/NDF : 5186.2/52

0.020 ± 0.005 χ^2/NDF : 3478.6/26

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: -36.050+/-0.350 χ^2/NDF : 628.2/8

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

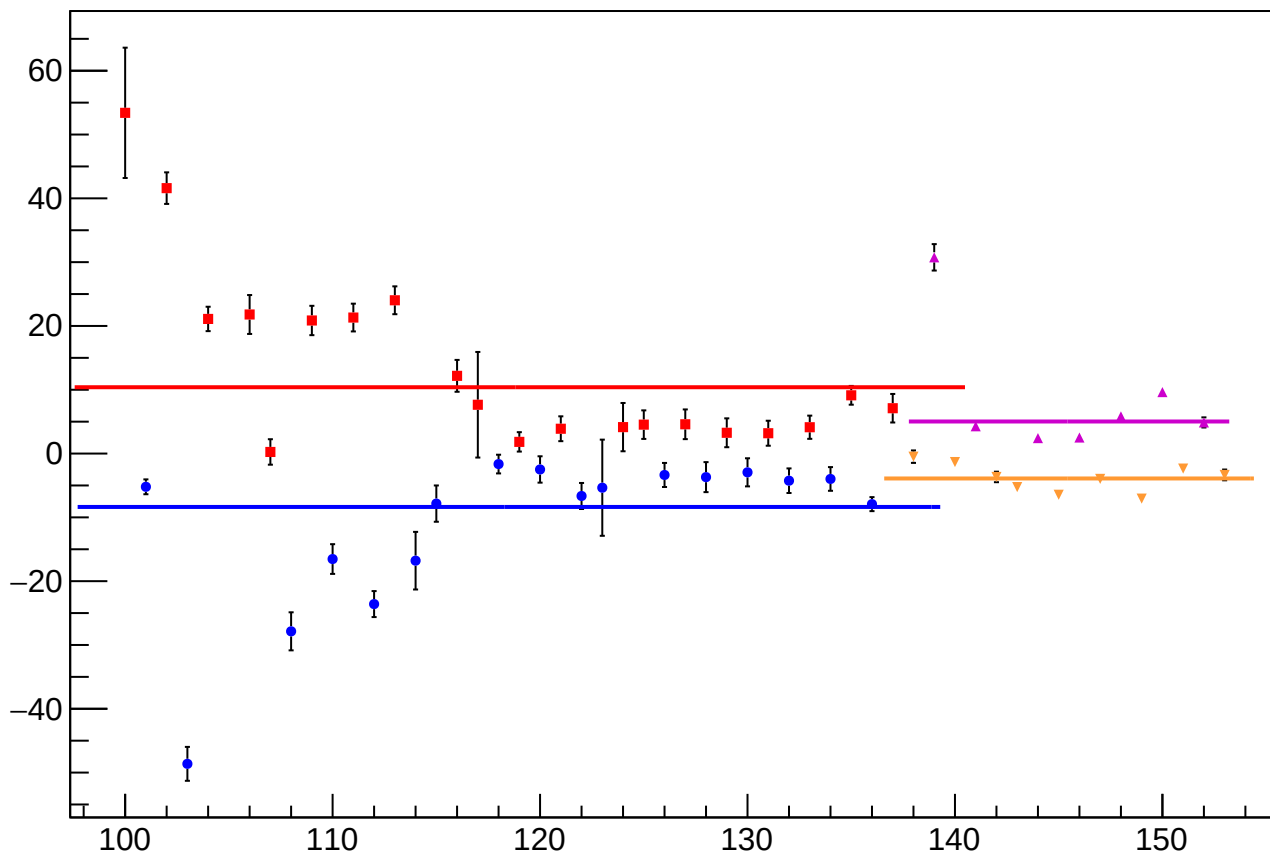
Left In: 30.963+/-0.379 χ^2/NDF : 264.6/6

-36.050+/-0.350 χ^2/NDF : 628.2/8

-5.164+/-0.257 χ^2/NDF : 17772.9/15

30.963+/-0.379 χ^2/NDF : 264.6/6

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.904 ± 0.239 χ^2/NDF : 68.5/8

Right Out: 10.396 ± 0.490 χ^2/NDF : 430.4/19

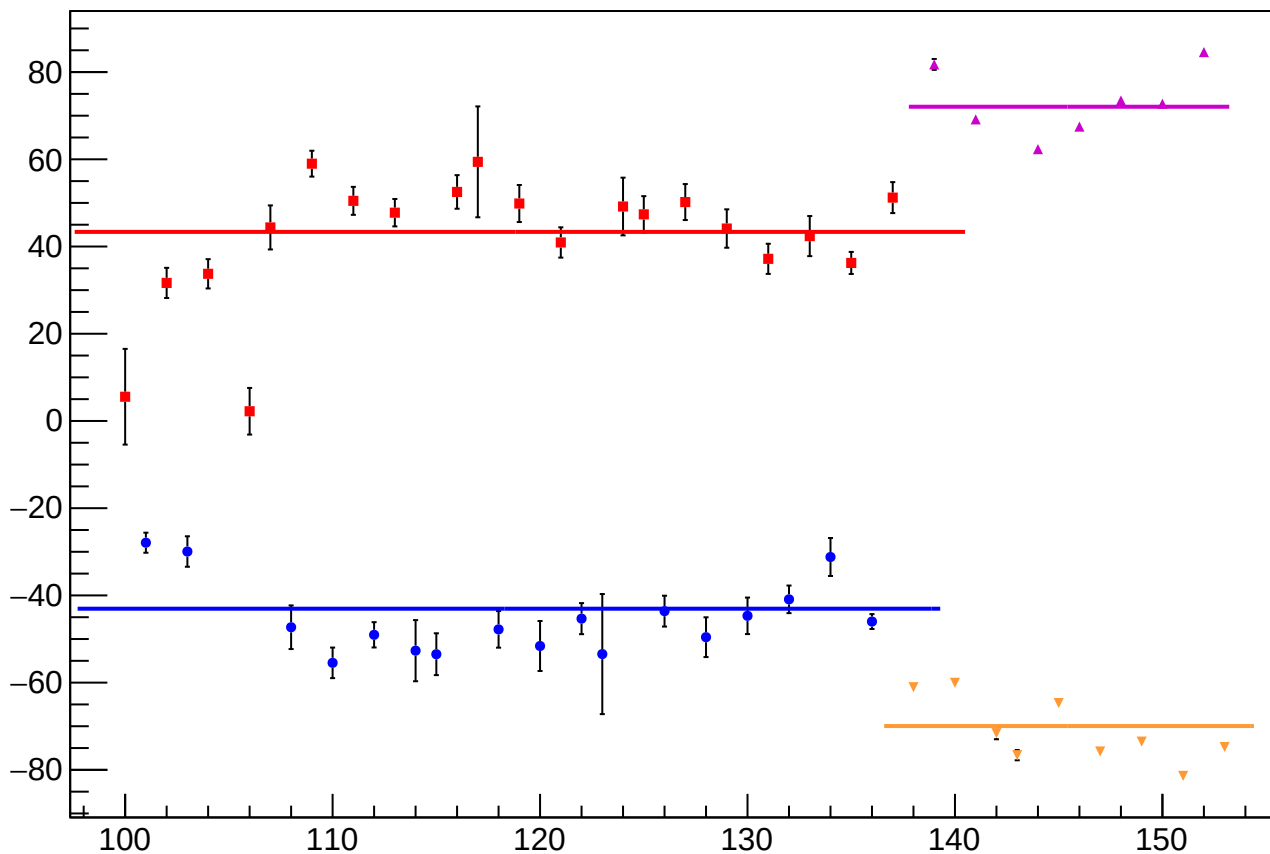
Left In: 5.026 ± 0.255 χ^2/NDF : 234.8/6

-4.834 ± 0.213 χ^2/NDF : 549.8/25

0.329 ± 0.155 χ^2/NDF : 2565.1/52

6.170 ± 0.226 χ^2/NDF : 759.7/26

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: -69.955±/-0.356 χ^2/NDF :424.2/8

Right Out: 43.357±/-0.865 χ^2/NDF : 156.0/19

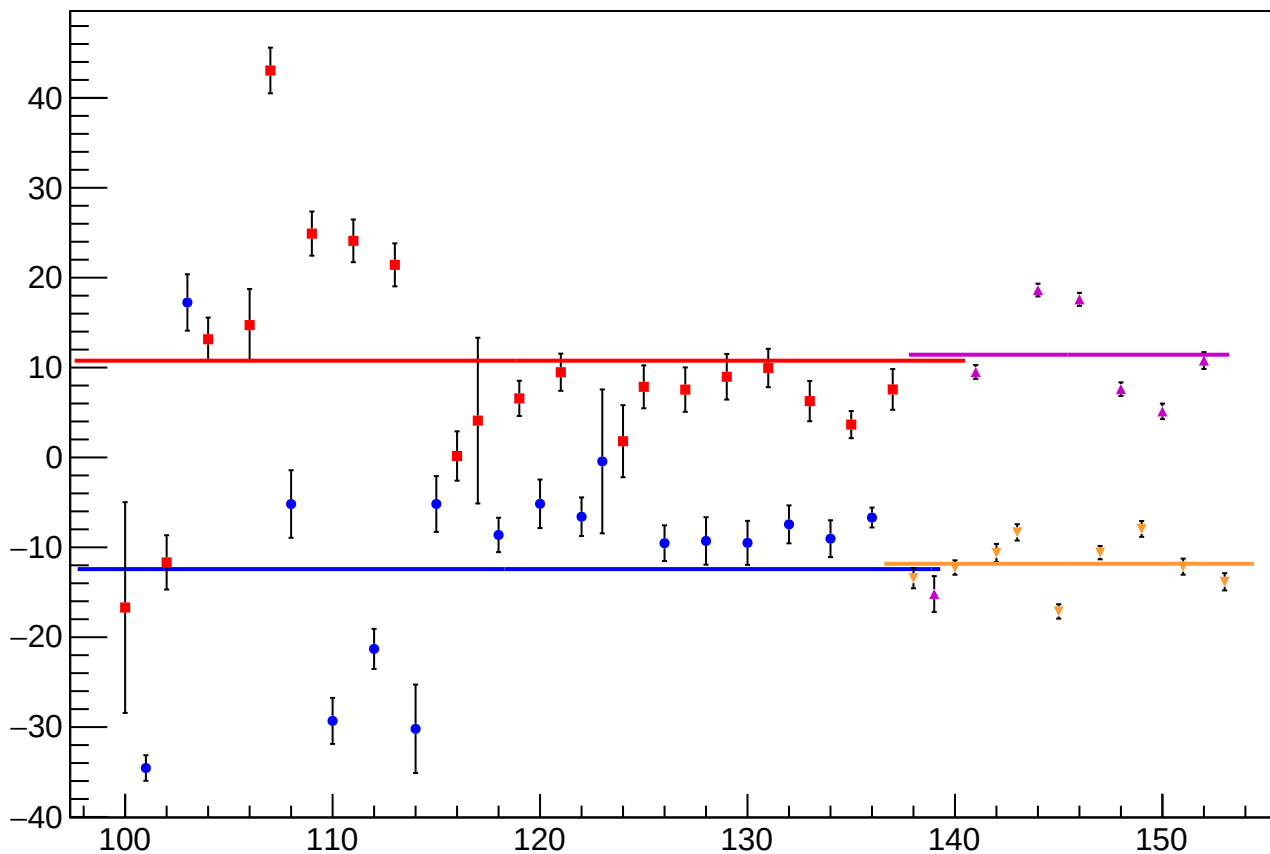
Left In: 72.054±/-0.379 χ^2/NDF :365.0/6

-65.842±/-0.327 χ^2/NDF : 1398.1/25

-3.156±/-0.238 χ^2/NDF : 80796.9/52

67.428±/-0.347 χ^2/NDF : 1443.8/26

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: -11.829 ± 0.294 $\chi^2/\text{NDF}: 88.9/8$

Right Out: 10.766 ± 0.553 $\chi^2/\text{NDF}: 366.3/19$

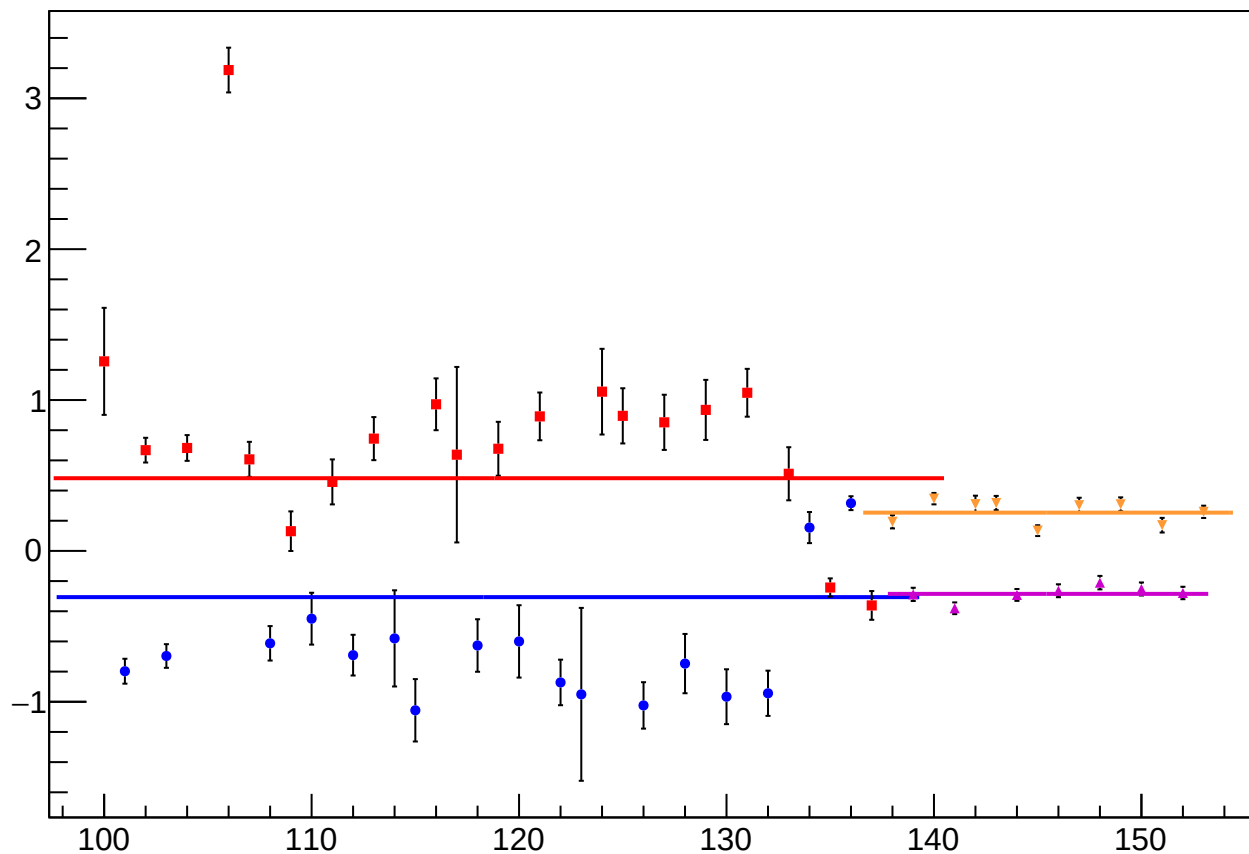
Left In: 11.431 ± 0.316 $\chi^2/\text{NDF}: 437.8/6$

-11.971 ± 0.256 $\chi^2/\text{NDF}: 564.2/25$

-1.136 ± 0.187 $\chi^2/\text{NDF}: 5200.3/52$

11.267 ± 0.274 $\chi^2/\text{NDF}: 805.3/26$

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: 0.254 ± 0.015 χ^2/NDF : 27.1/8

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

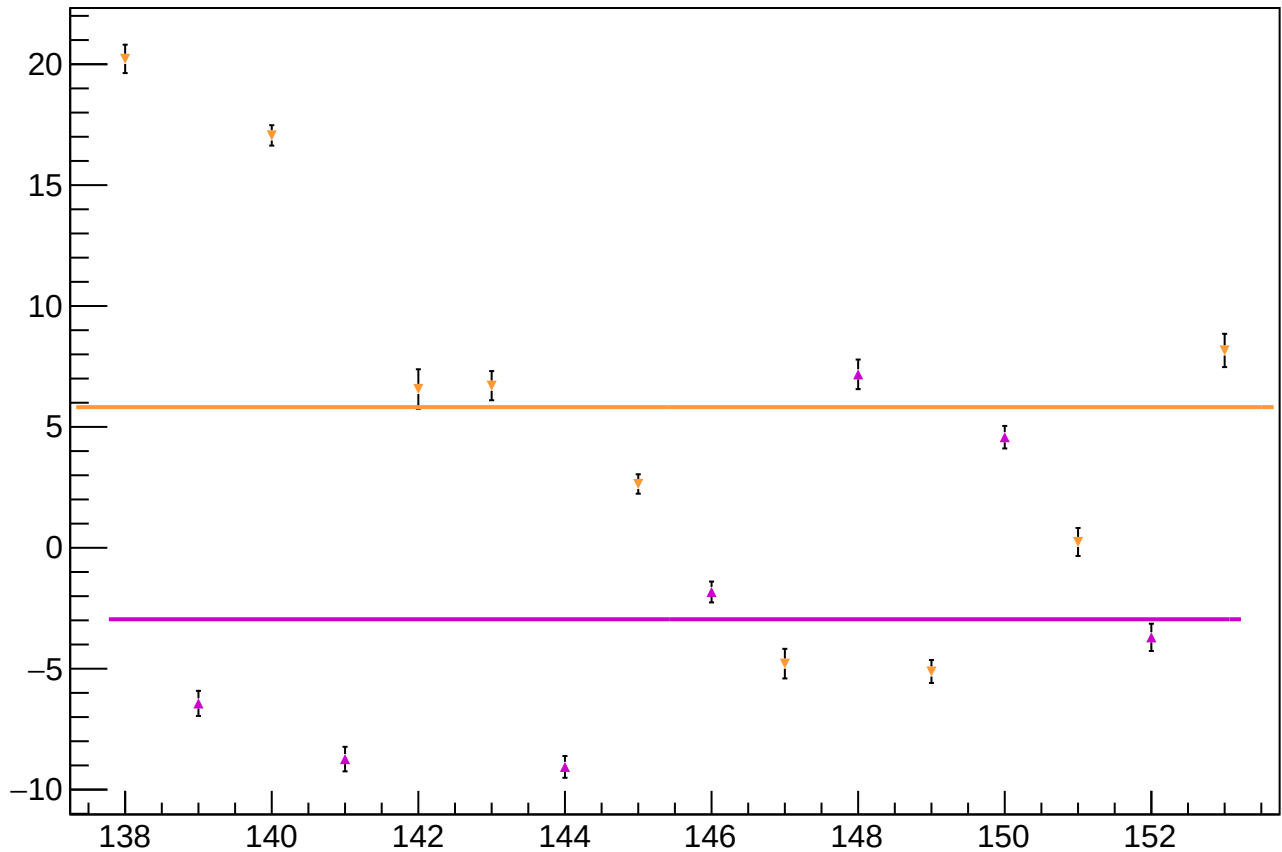
Left In: -0.285 ± 0.016 χ^2/NDF : 9.6/6

0.130 ± 0.013 χ^2/NDF : 720.5/25

0.021 ± 0.009 χ^2/NDF : 2063.0/52

-0.105 ± 0.014 χ^2/NDF : 1189.1/26

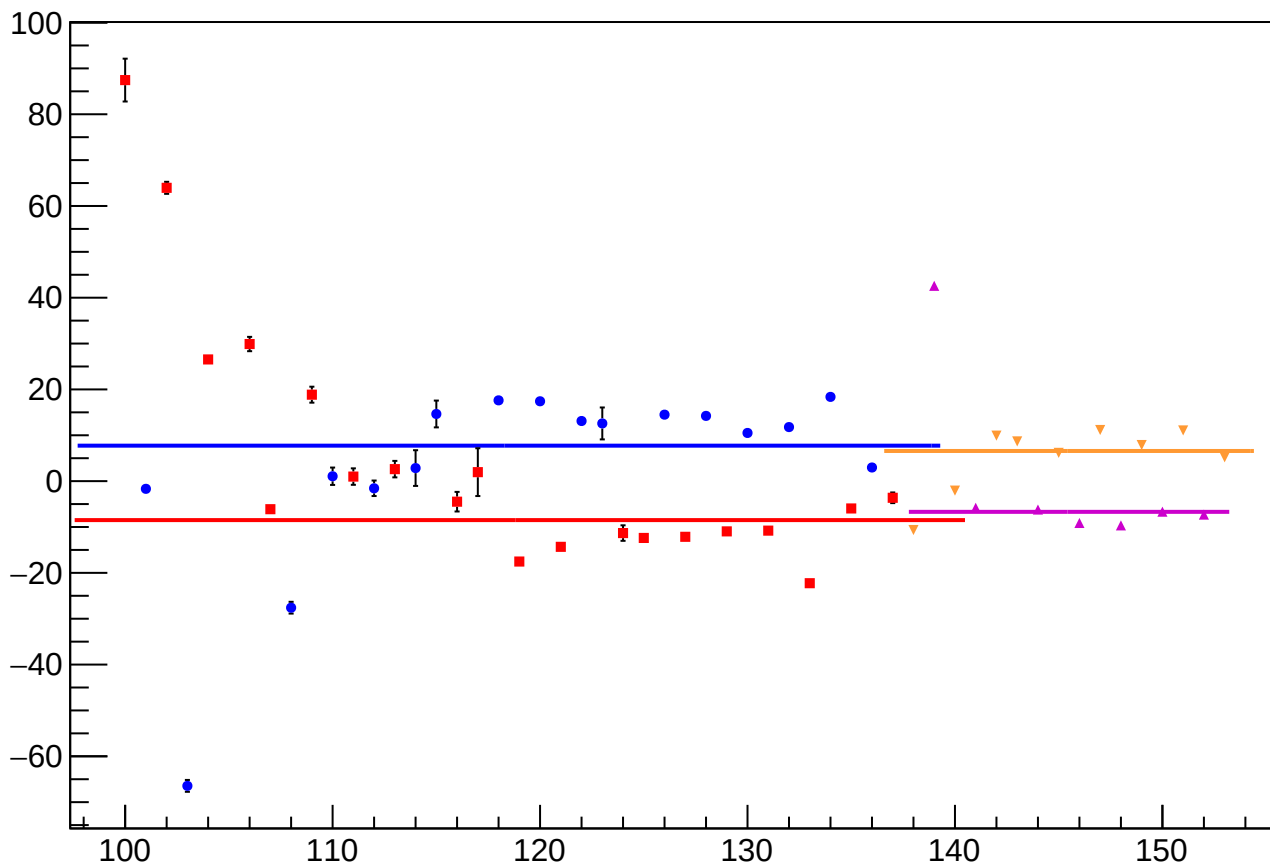
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.818+/-0.179 χ^2/NDF : 2311.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.956+/-0.188 χ^2/NDF : 902.4/6

5.818+/-0.179 χ^2/NDF : 2311.9/8
 1.641+/-0.130 χ^2/NDF : 4356.6/15
 -2.956+/-0.188 χ^2/NDF : 902.4/6

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: 6.578 ± 0.124 χ^2/NDF : 1952.3/8

Right Out: -8.496 ± 0.213 χ^2/NDF : 6723.5/19

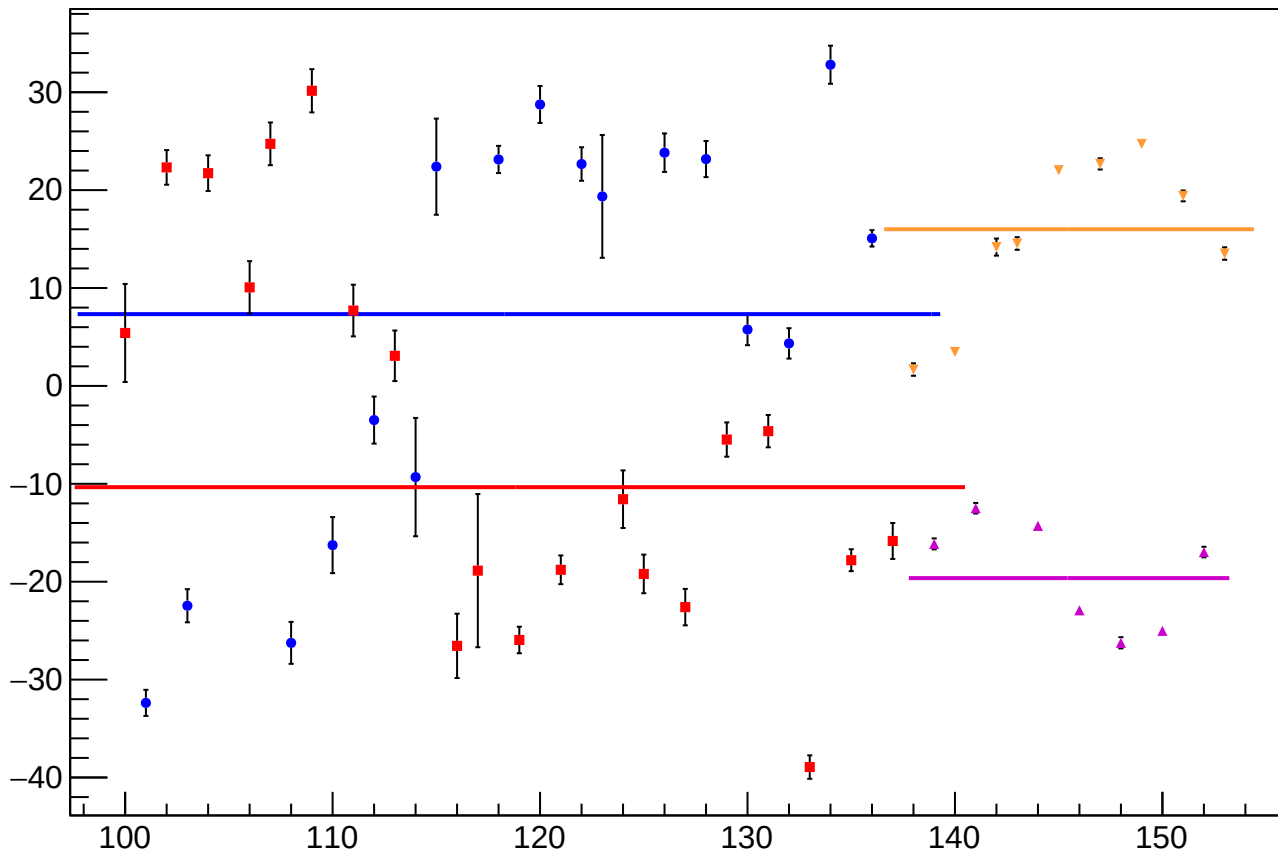
Left In: -6.696 ± 0.131 χ^2/NDF : 2903.7/6

6.862 ± 0.108 χ^2/NDF : 7274.2/25

0.090 ± 0.078 χ^2/NDF : 25128.7/52

-7.193 ± 0.112 χ^2/NDF : 9678.9/26

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: 16.008 ± 0.181 χ^2/NDF : 2070.4/8

Right Out: -10.342 ± 0.416 χ^2/NDF : 2282.7/19

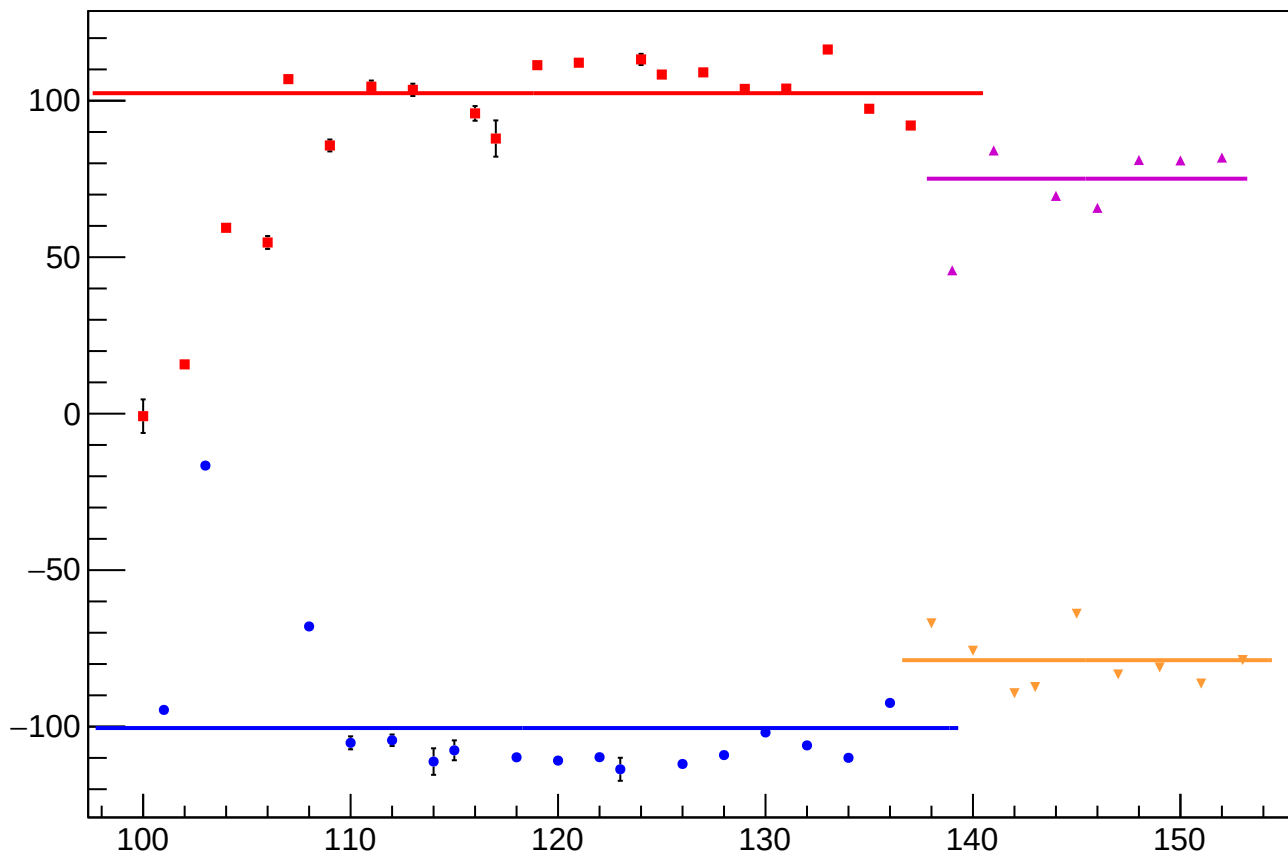
Left In: -19.632 ± 0.187 χ^2/NDF : 708.5/6

14.642 ± 0.166 χ^2/NDF : 4725.4/25

-1.243 ± 0.119 χ^2/NDF : 26966.9/52

-18.066 ± 0.171 χ^2/NDF : 3405.4/26

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: -78.773 ± 0.152 χ^2/NDF : 2921.5/8

Right Out: 102.405 ± 0.246 χ^2/NDF : 6100.6/19

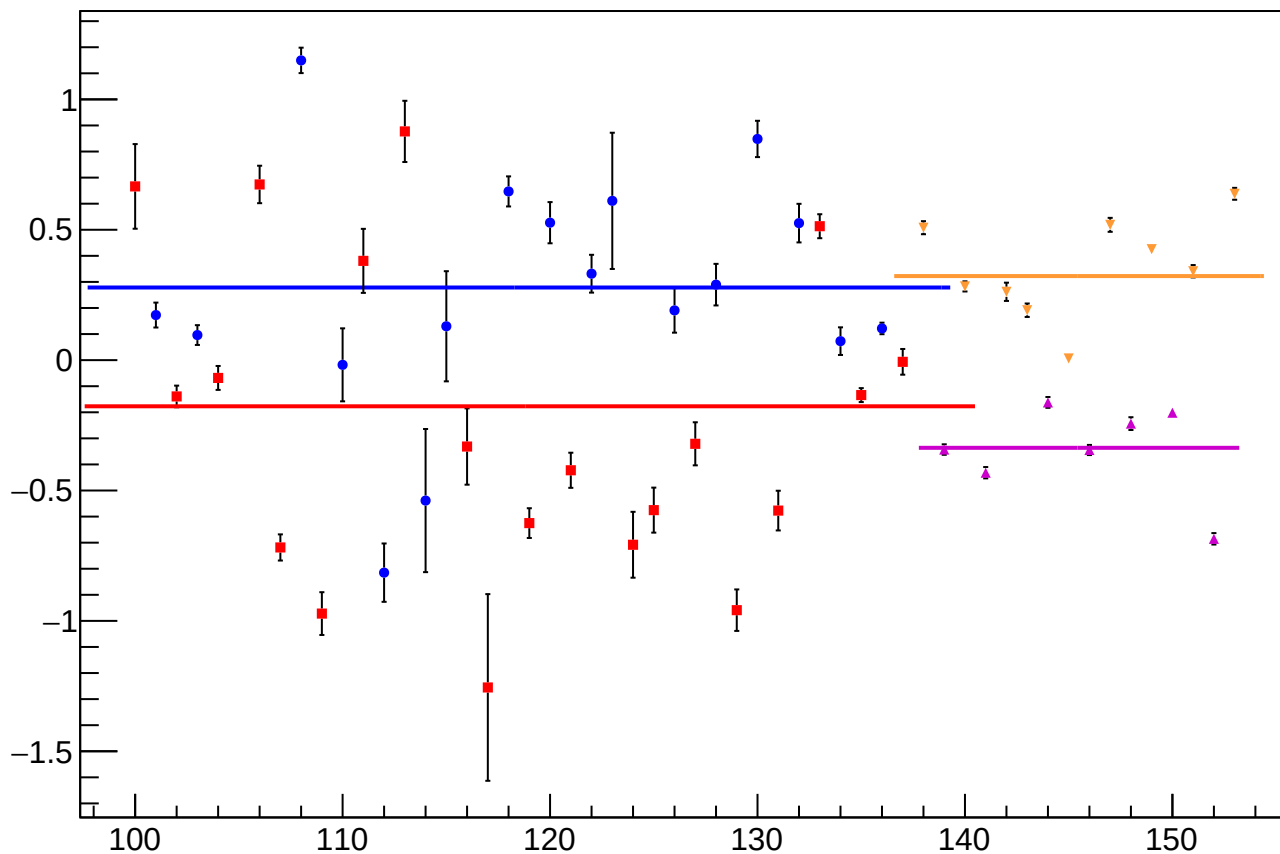
Left In: 75.084 ± 0.160 χ^2/NDF : 3046.8/6

-84.578 ± 0.130 χ^2/NDF : 12859.1/25

-3.542 ± 0.093 χ^2/NDF : 838565.5/52

83.216 ± 0.134 χ^2/NDF : 17807.8/26

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: 0.322 ± 0.007 χ^2/NDF : 721.4/8

Right Out: -0.177 ± 0.013 χ^2/NDF : 976.8/19

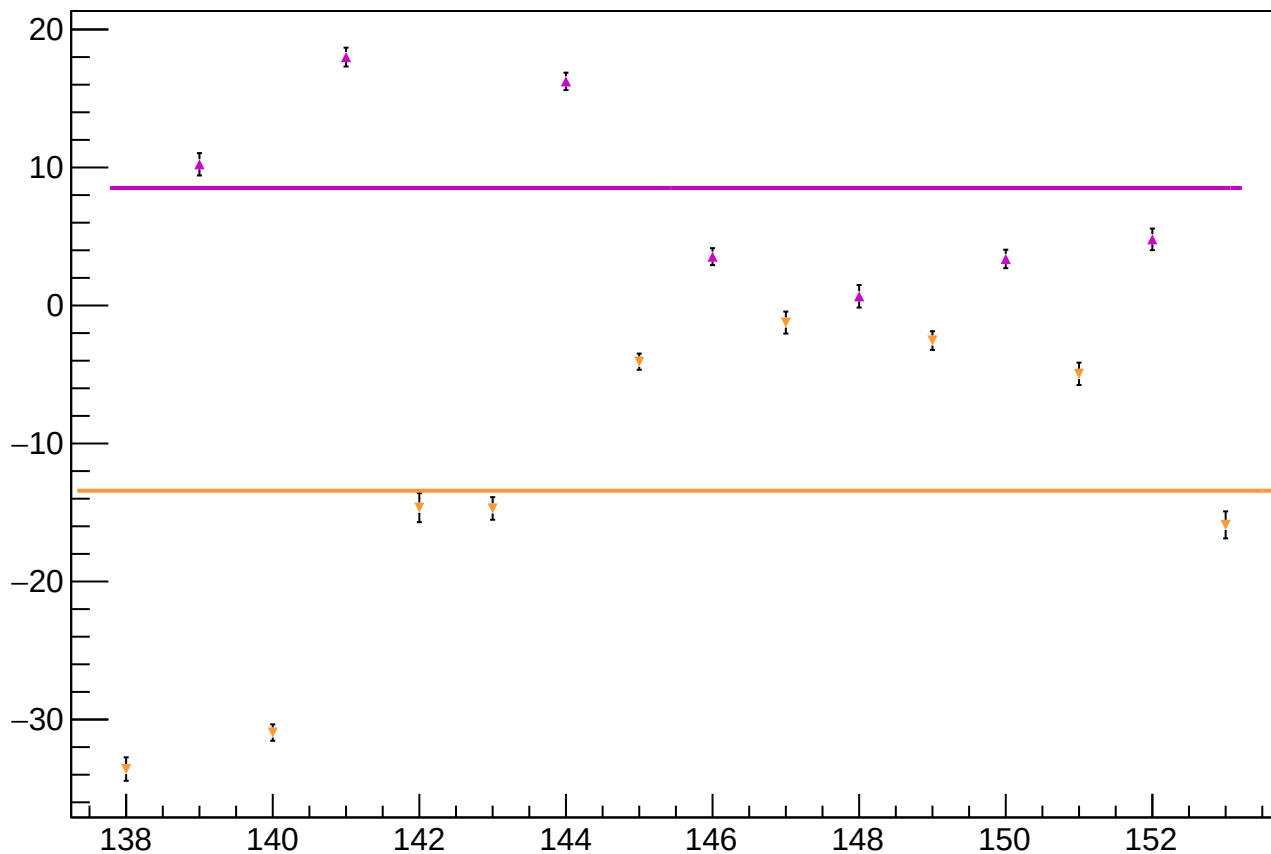
Left In: -0.336 ± 0.008 χ^2/NDF : 411.7/6

0.312 ± 0.007 χ^2/NDF : 1383.4/25

0.019 ± 0.005 χ^2/NDF : 7054.1/52

-0.296 ± 0.007 χ^2/NDF : 1493.0/26

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: -13.421+/-0.251 χ^2/NDF : 2293.2/8

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

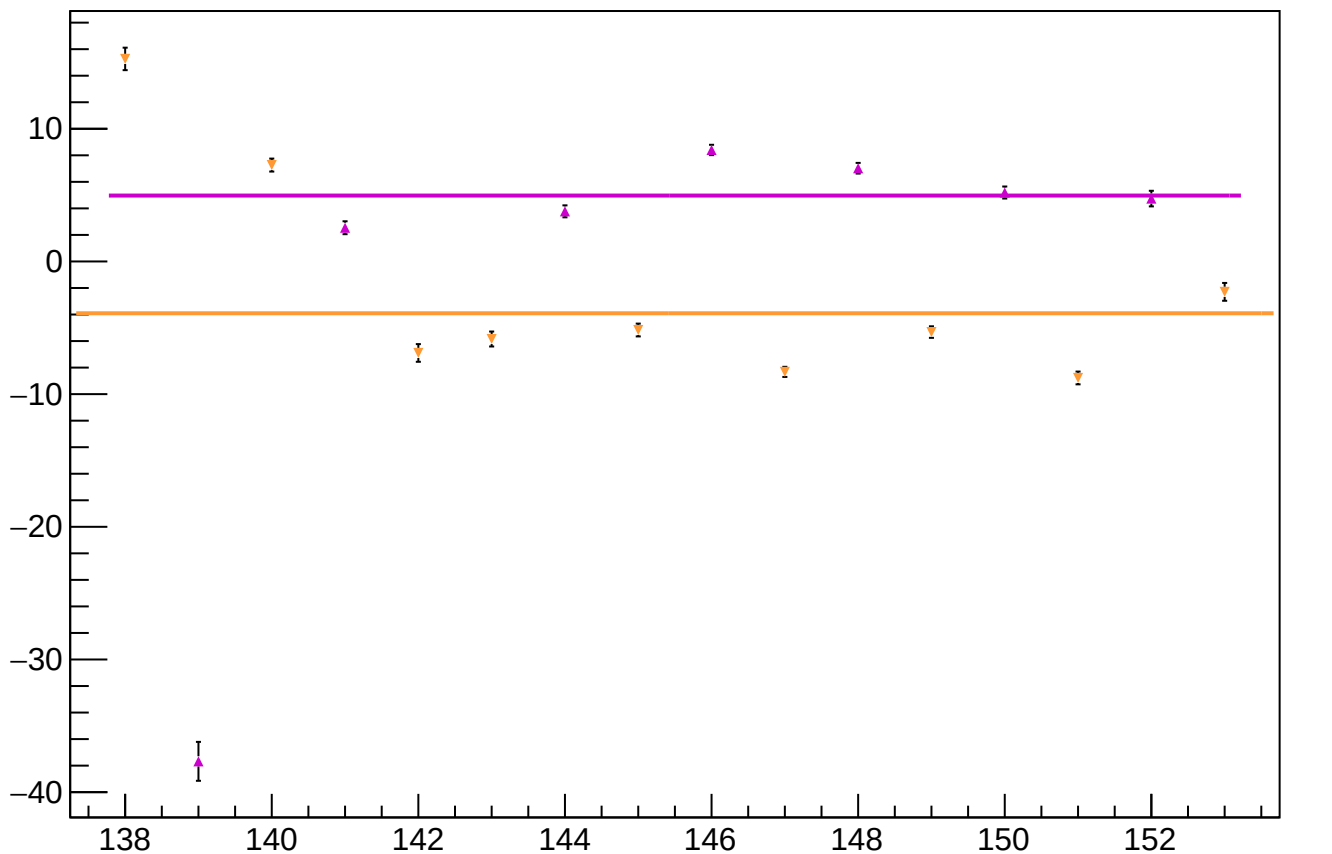
Left In: 8.513+/-0.266 χ^2/NDF : 586.8/6

-13.421+/-0.251 χ^2/NDF : 2293.2/8

-3.050+/-0.183 χ^2/NDF : 6477.9/15

8.513+/-0.266 χ^2/NDF : 586.8/6

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: -3.905+/-0.172 χ^2/NDF : 1326.1/8

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

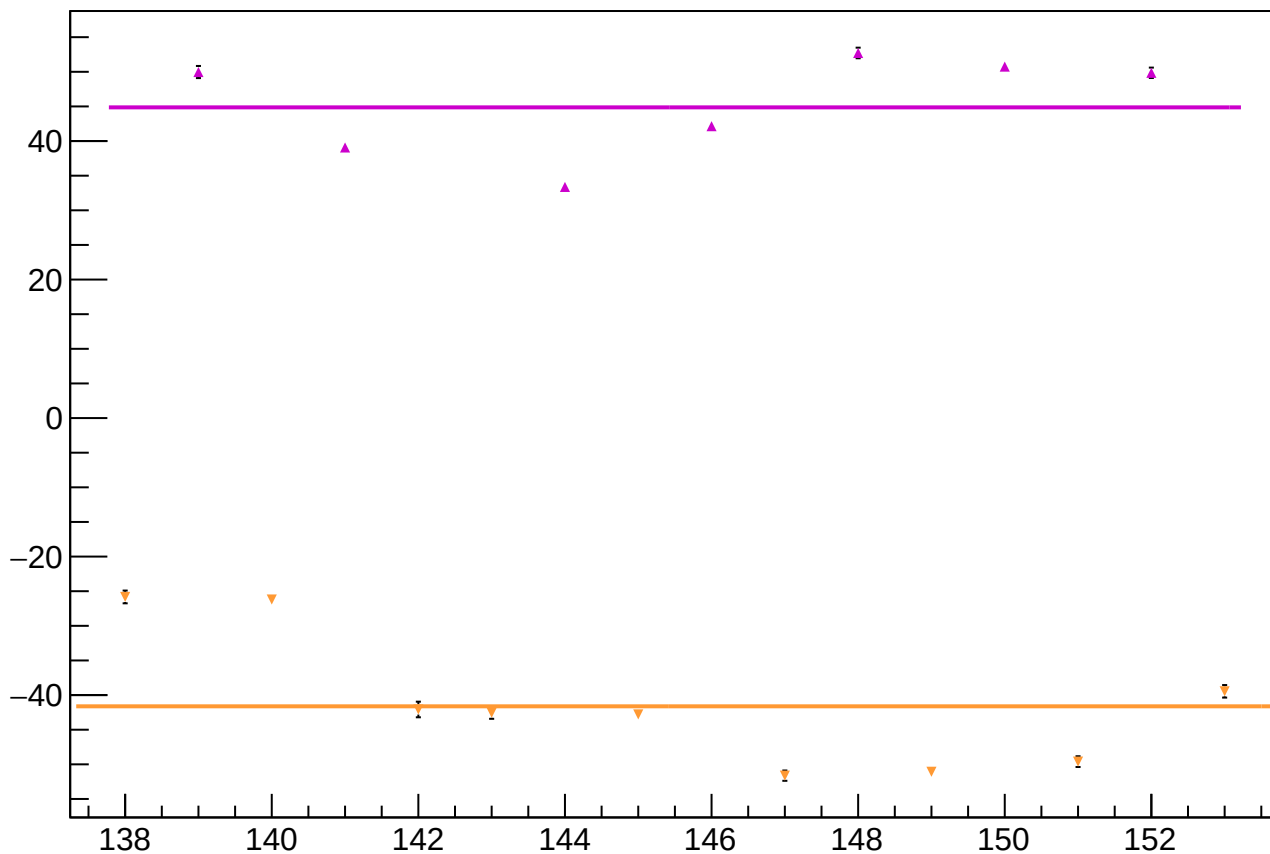
Left In: 4.966+/-0.182 χ^2/NDF : 981.7/6

-3.905+/-0.172 χ^2/NDF : 1326.1/8

0.269+/-0.125 χ^2/NDF : 3564.2/15

4.966+/-0.182 χ^2/NDF : 981.7/6

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: -41.622+/-0.254 χ^2/NDF : 1404.4/8

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

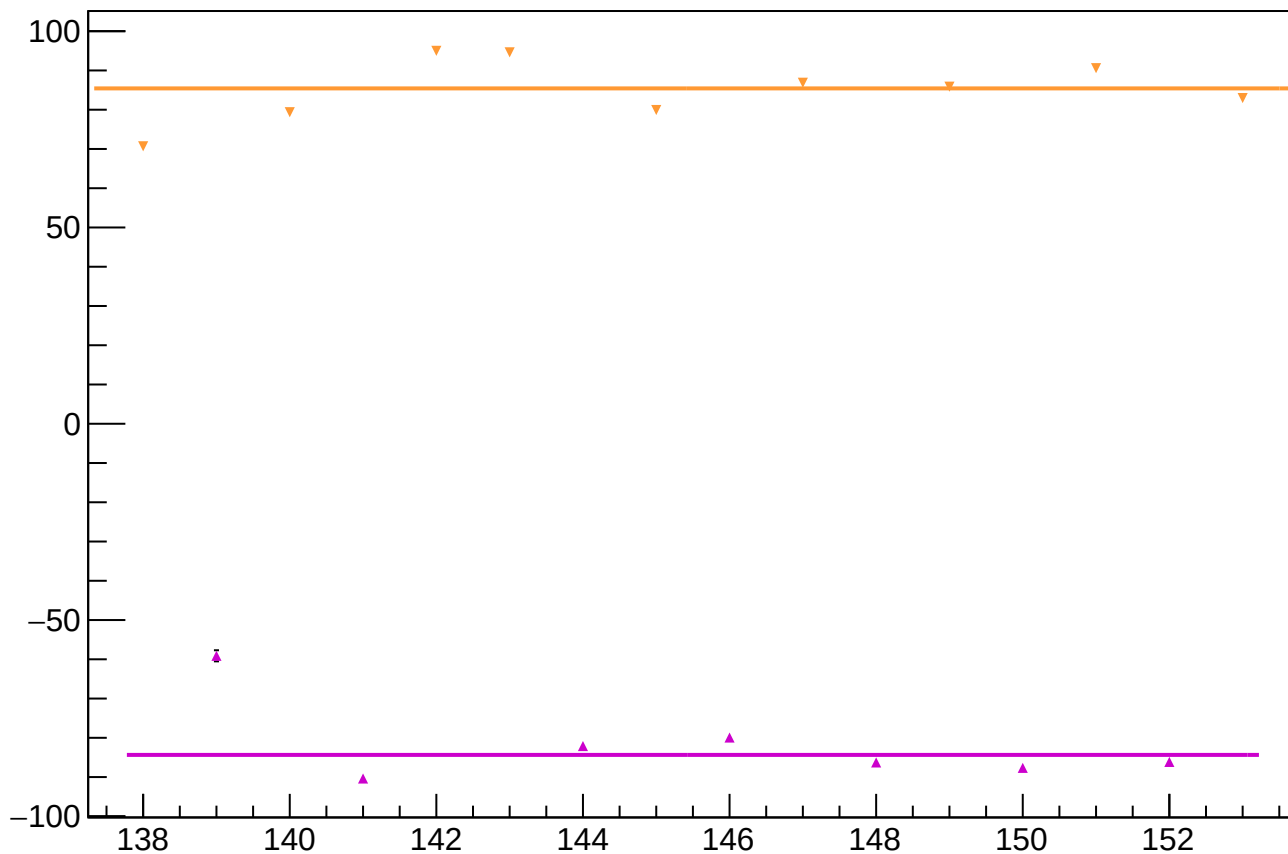
Left In: 44.865+/-0.265 χ^2/NDF : 645.9/6

-41.622+/-0.254 χ^2/NDF : 1404.4/8

-0.183+/-0.183 χ^2/NDF : 57724.7/15

44.865+/-0.265 χ^2/NDF : 645.9/6

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: 85.428+/-0.211 χ^2/NDF : 848.1/8

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

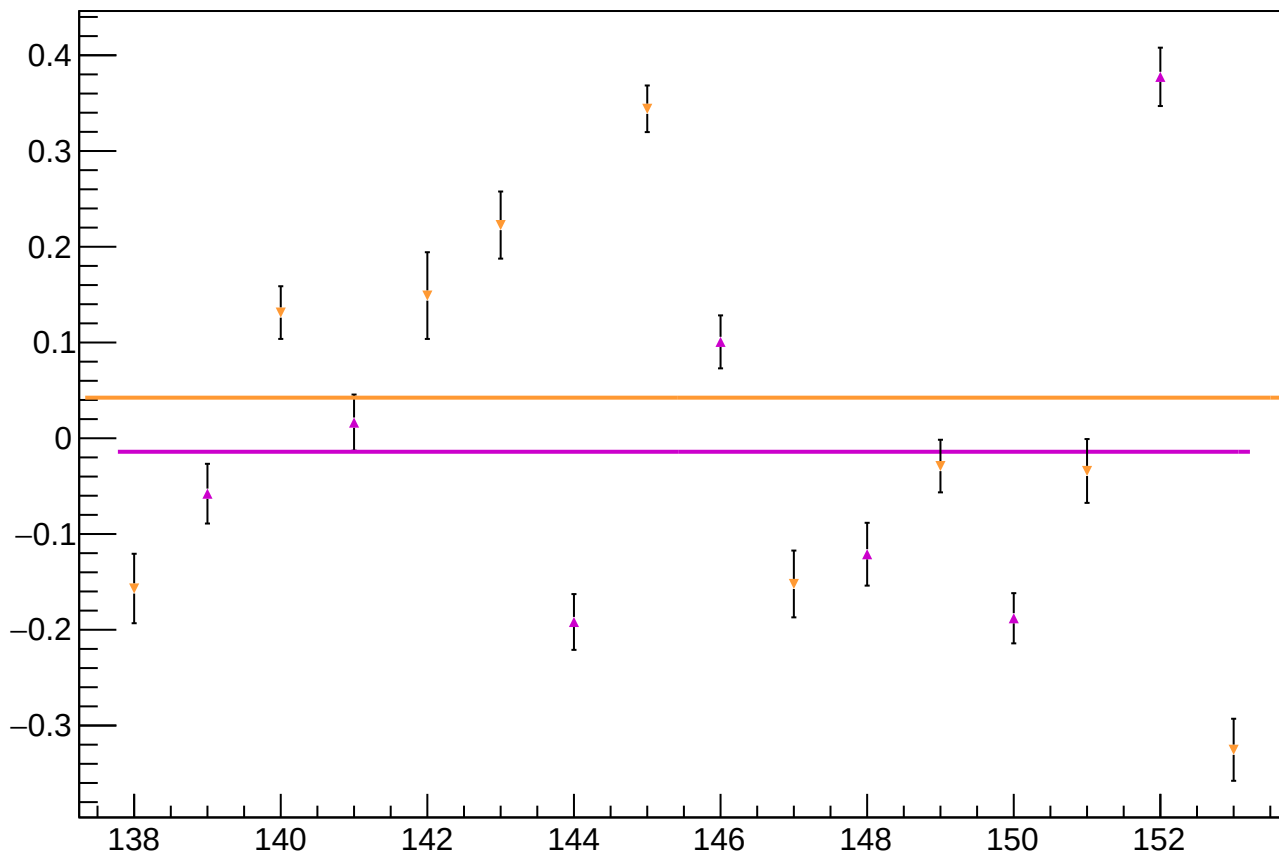
Left In: -84.355+/-0.223 χ^2/NDF : 583.8/6

85.428+/-0.211 χ^2/NDF : 848.1/8

5.386+/-0.153 χ^2/NDF : 307571.9/15

-84.355+/-0.223 χ^2/NDF : 583.8/6

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: 0.042 $\pm$ 0.011 χ^2 /NDF: 398.2/8

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

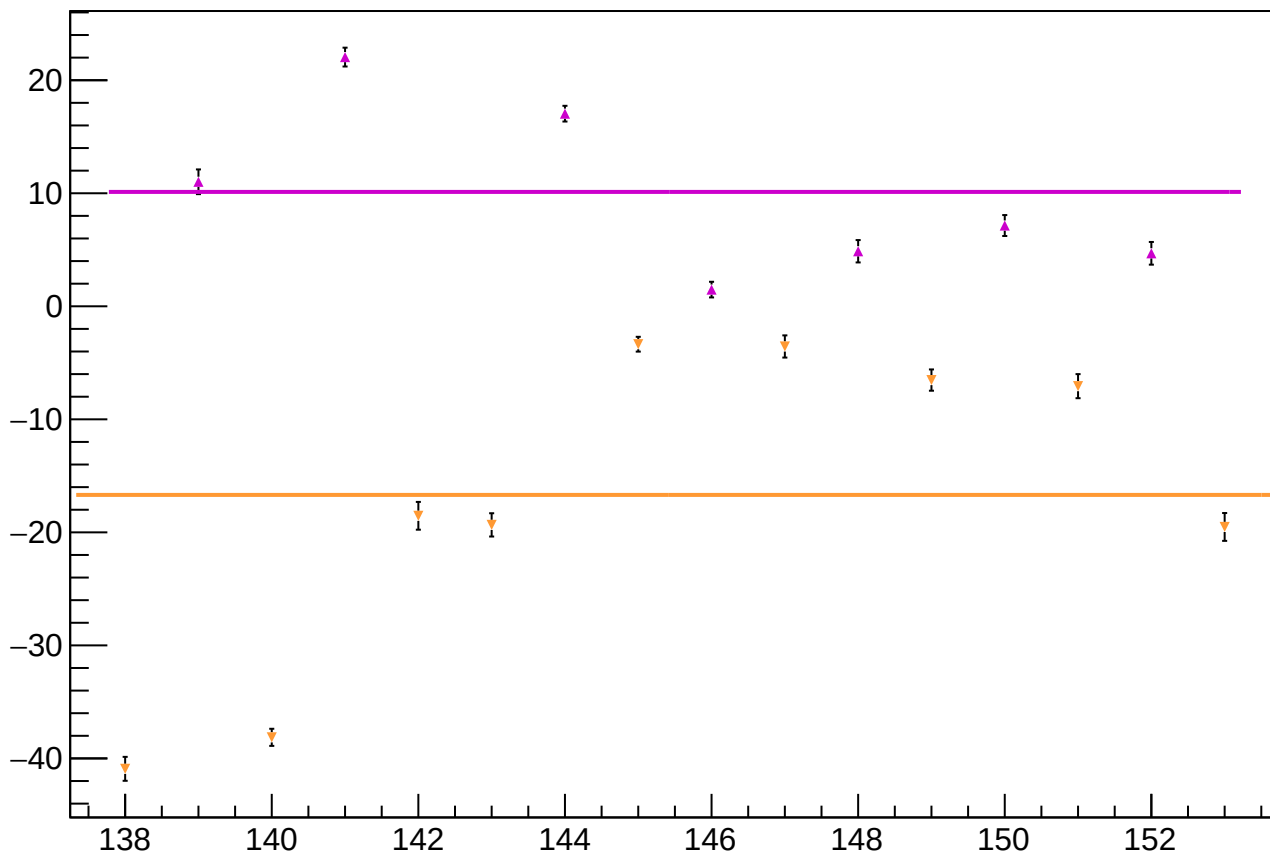
Left In: -0.014 $\pm$ 0.011 χ^2 /NDF: 277.2/6

0.042 $\pm$ 0.011 χ^2 /NDF: 398.2/8

0.016 $\pm$ 0.008 χ^2 /NDF: 689.1/15

-0.014 $\pm$ 0.011 χ^2 /NDF: 277.2/6

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: -16.687+/-0.312 χ^2/NDF : 2132.8/8

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

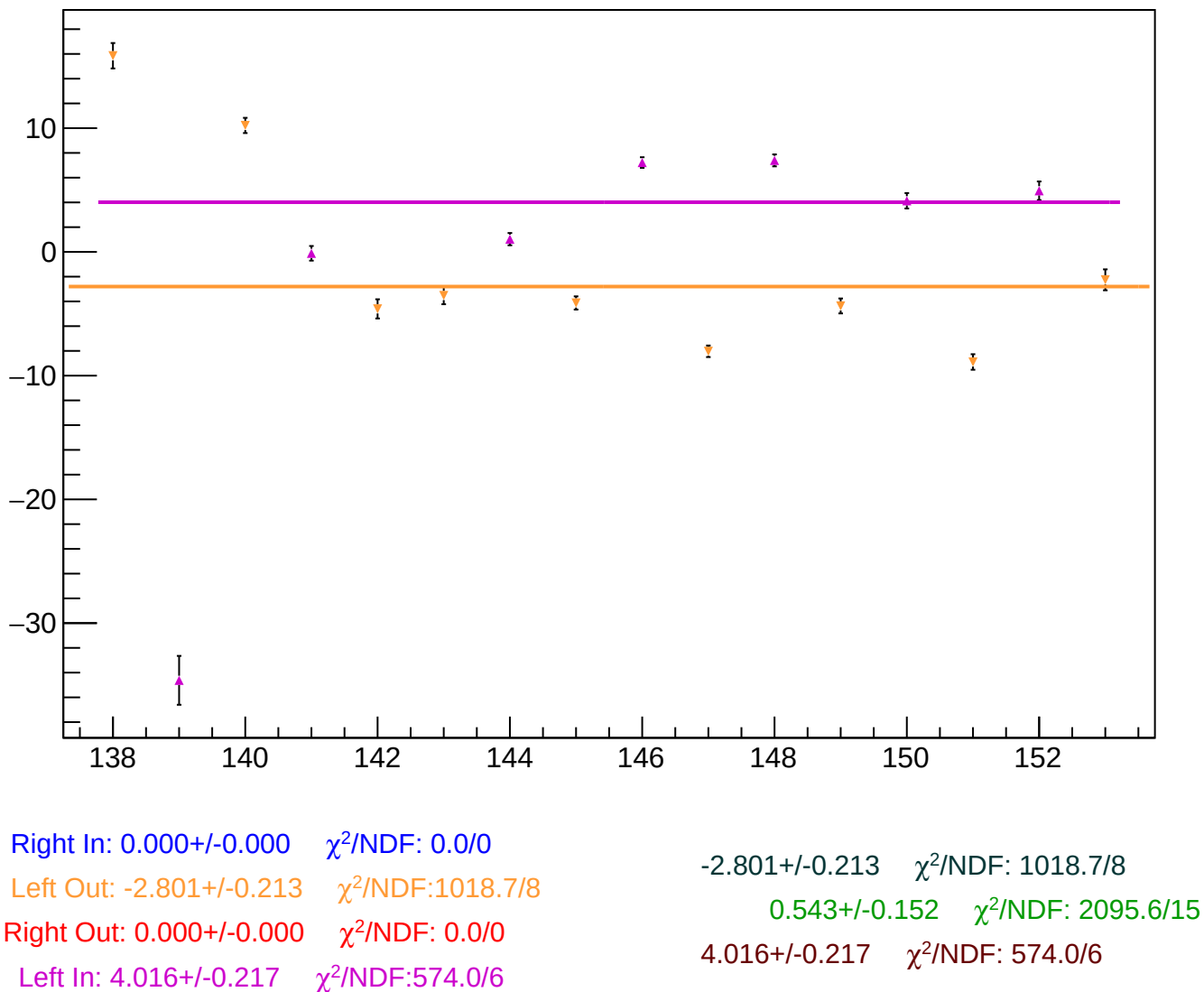
Left In: 10.119+/-0.323 χ^2/NDF : 528.4/6

-16.687+/-0.312 χ^2/NDF : 2132.8/8

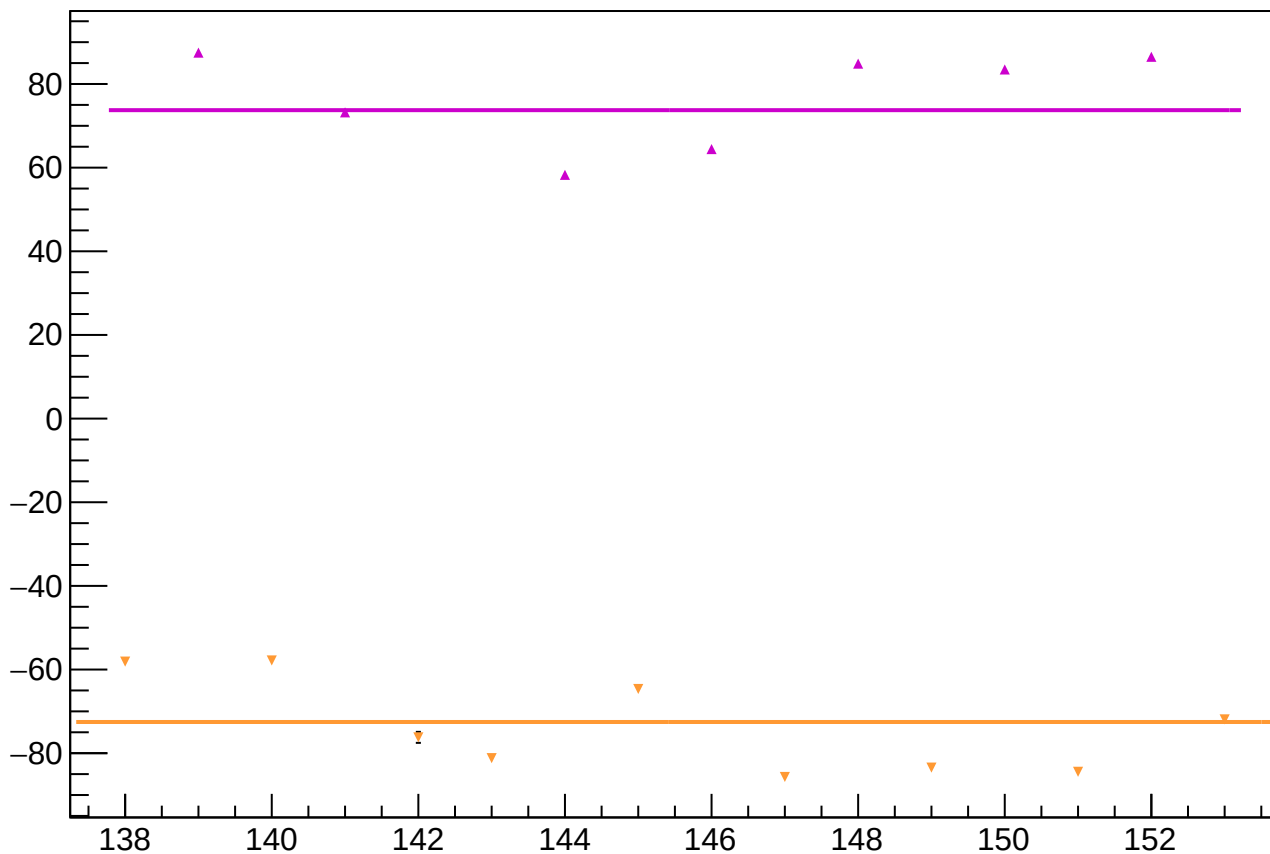
-3.735+/-0.224 χ^2/NDF : 6231.1/15

10.119+/-0.323 χ^2/NDF : 528.4/6

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -72.539+/-0.316 χ^2/NDF : 1186.3/8

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

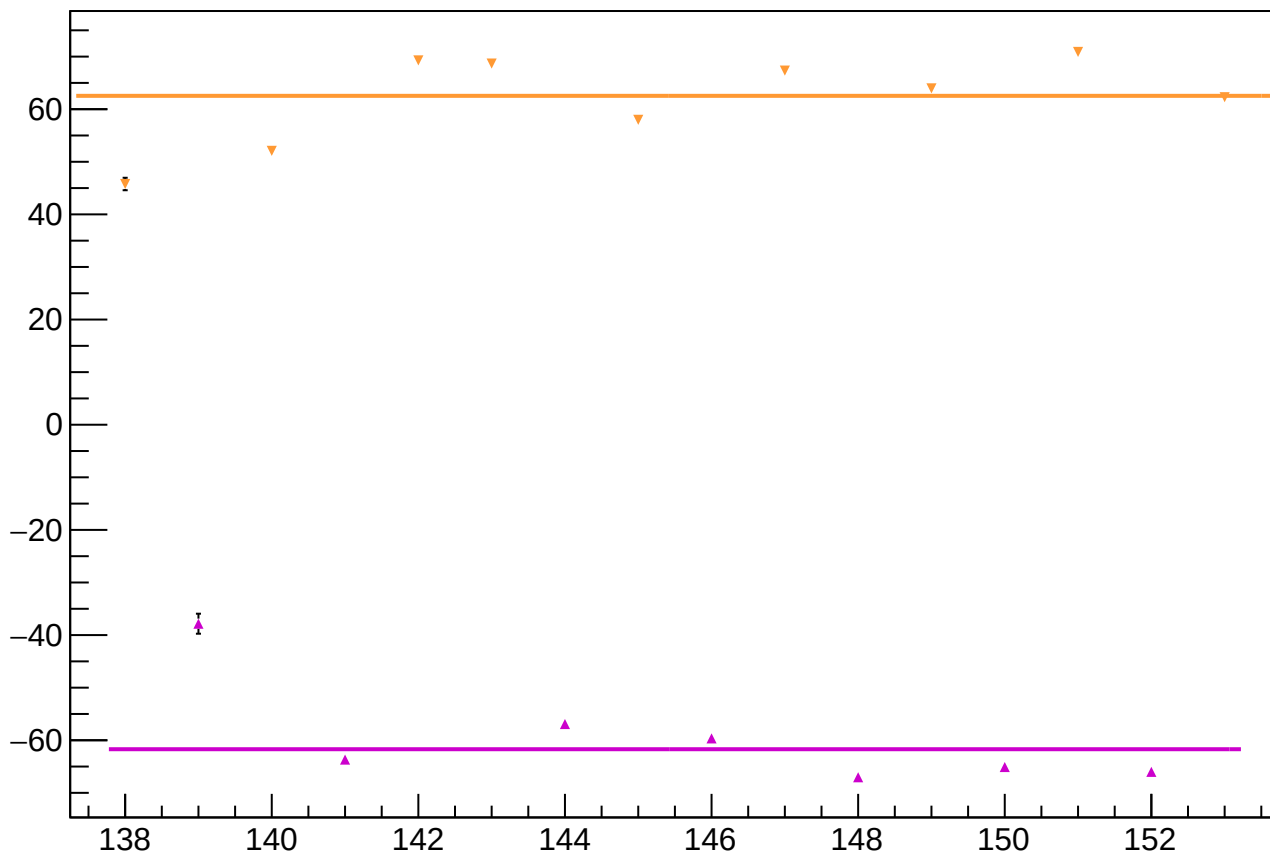
Left In: 73.743+/-0.322 χ^2/NDF : 1208.8/6

-72.539+/-0.316 χ^2/NDF : 1186.3/8

-0.733+/-0.226 χ^2/NDF : 107328.8/15

73.743+/-0.322 χ^2/NDF : 1208.8/6

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: 62.541+/-0.262 χ^2/NDF : 723.2/8

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

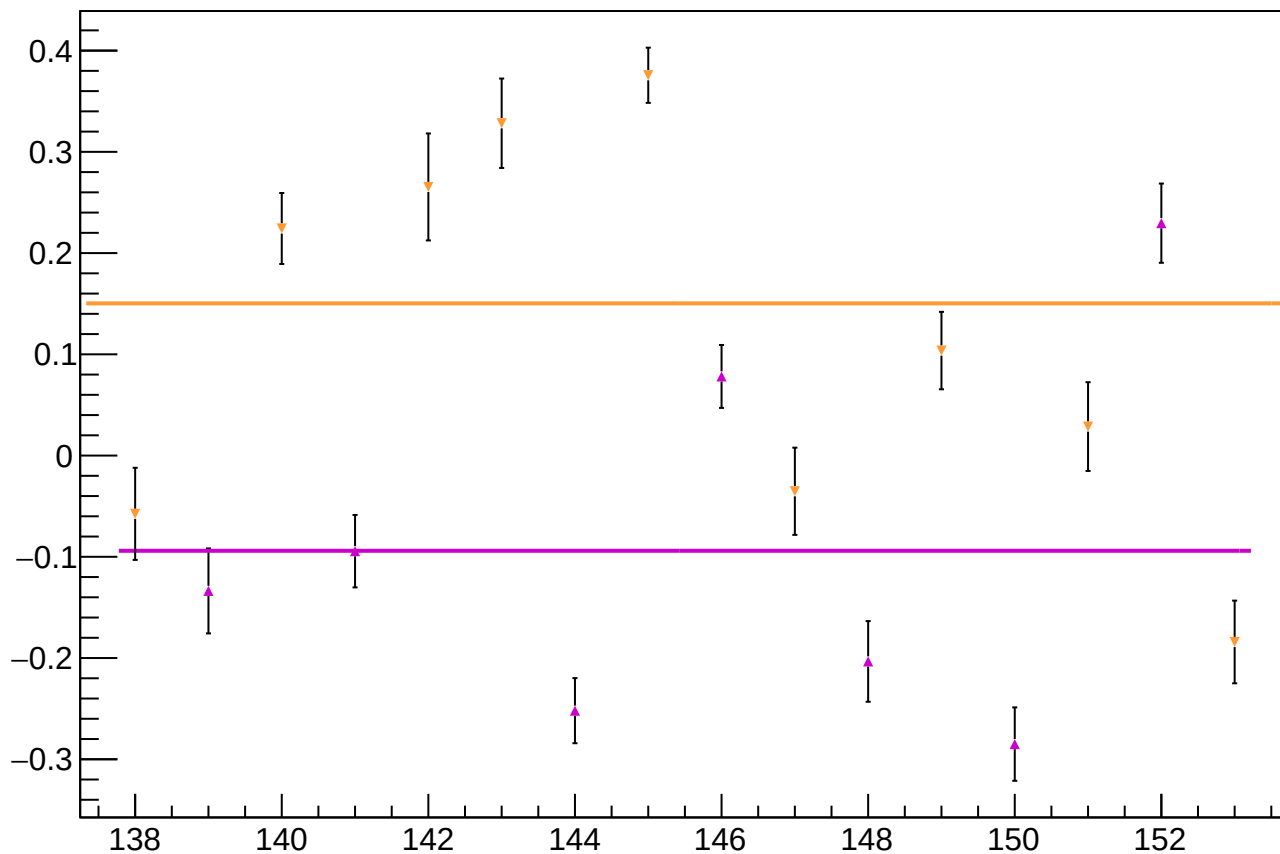
Left In: -61.704+/-0.268 χ^2/NDF : 353.8/6

62.541+/-0.262 χ^2/NDF : 723.2/8

1.856+/-0.187 χ^2/NDF : 111217.0/15

-61.704+/-0.268 χ^2/NDF : 353.8/6

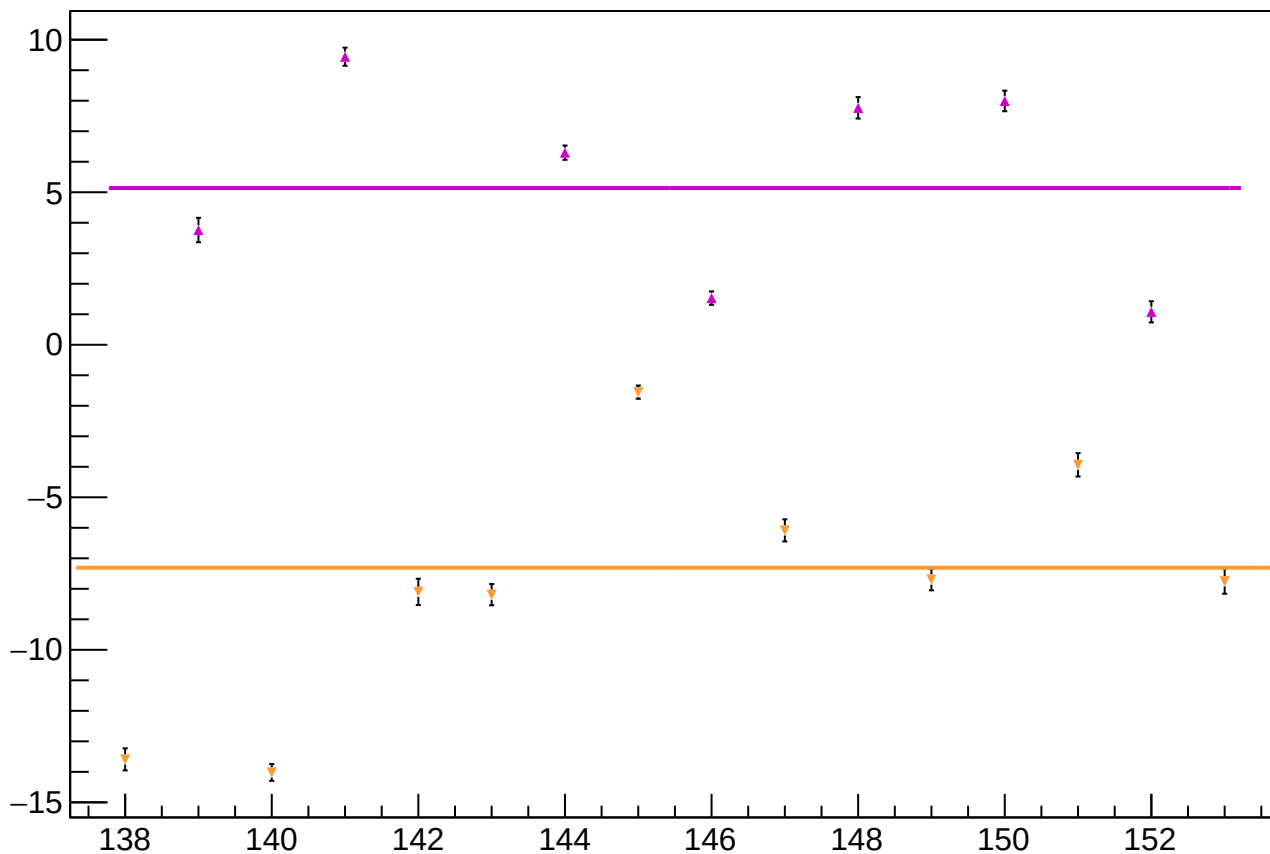
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.150 $\pm$ 0.013 χ^2 /NDF: 209.5/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.094 $\pm$ 0.014 χ^2 /NDF: 159.3/6

0.150 $\pm$ 0.013 χ^2 /NDF: 209.5/8
 0.033 $\pm$ 0.009 χ^2 /NDF: 536.5/15
 -0.094 $\pm$ 0.014 χ^2 /NDF: 159.3/6

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: -7.309+/-0.109 χ^2/NDF : 1703.2/8

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

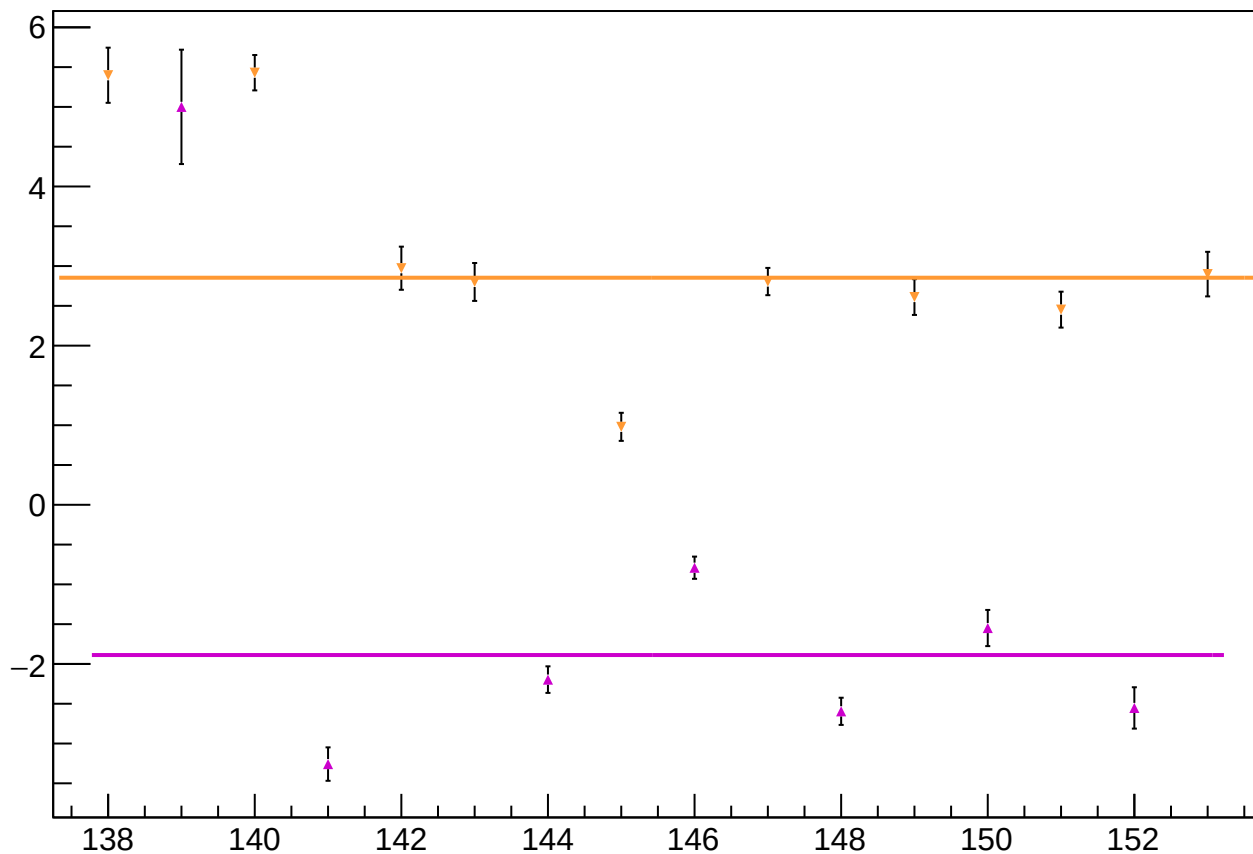
Left In: 5.138+/-0.111 χ^2/NDF : 777.5/6

-7.309+/-0.109 χ^2/NDF : 1703.2/8

-1.187+/-0.078 χ^2/NDF : 8899.6/15

5.138+/-0.111 χ^2/NDF : 777.5/6

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: 2.853+/-0.075 χ^2/NDF :305.8/8

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

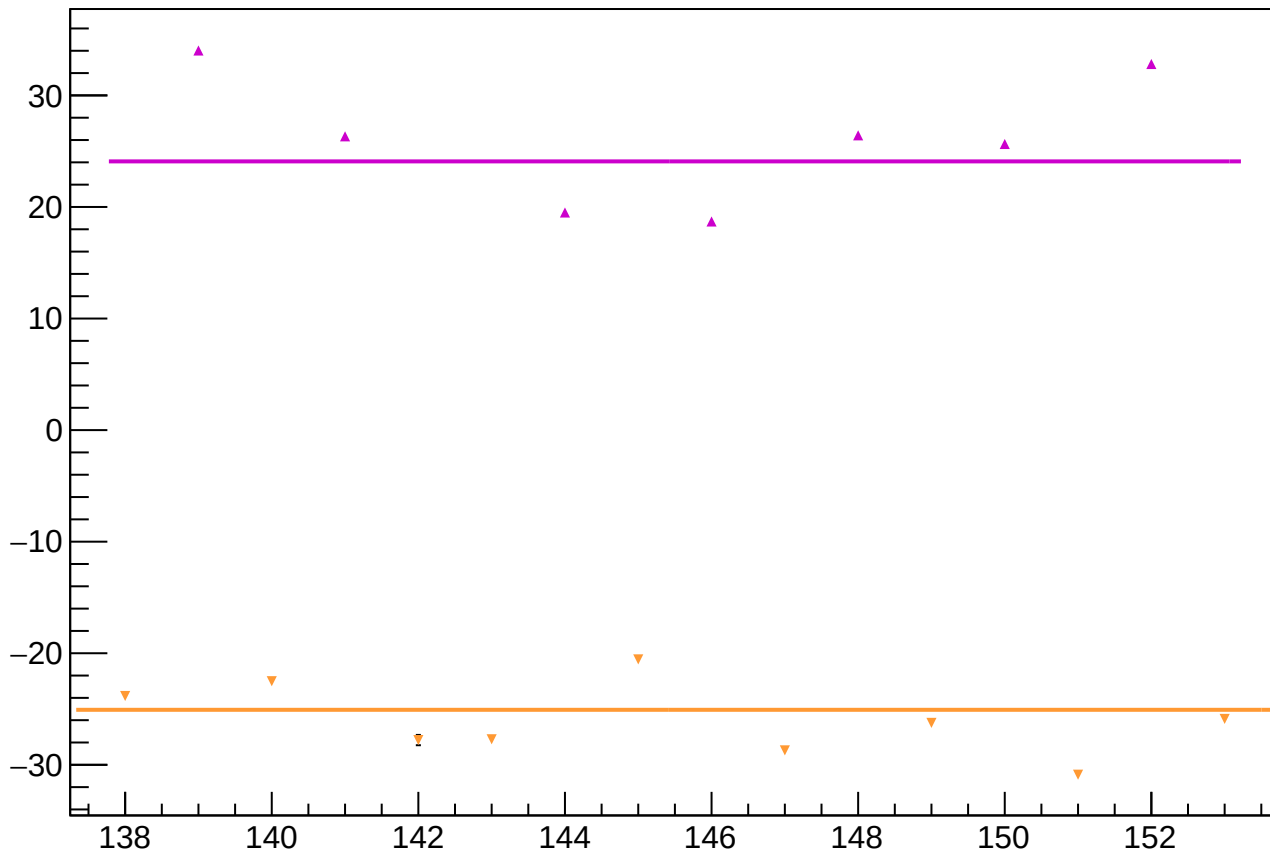
Left In: -1.888+/-0.074 χ^2/NDF :225.6/6

2.853+/-0.075 χ^2/NDF : 305.8/8

0.469+/-0.053 χ^2/NDF : 2545.8/15

-1.888+/-0.074 χ^2/NDF : 225.6/6

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: -25.070 ± 0.111 χ^2/NDF : 939.9/8

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

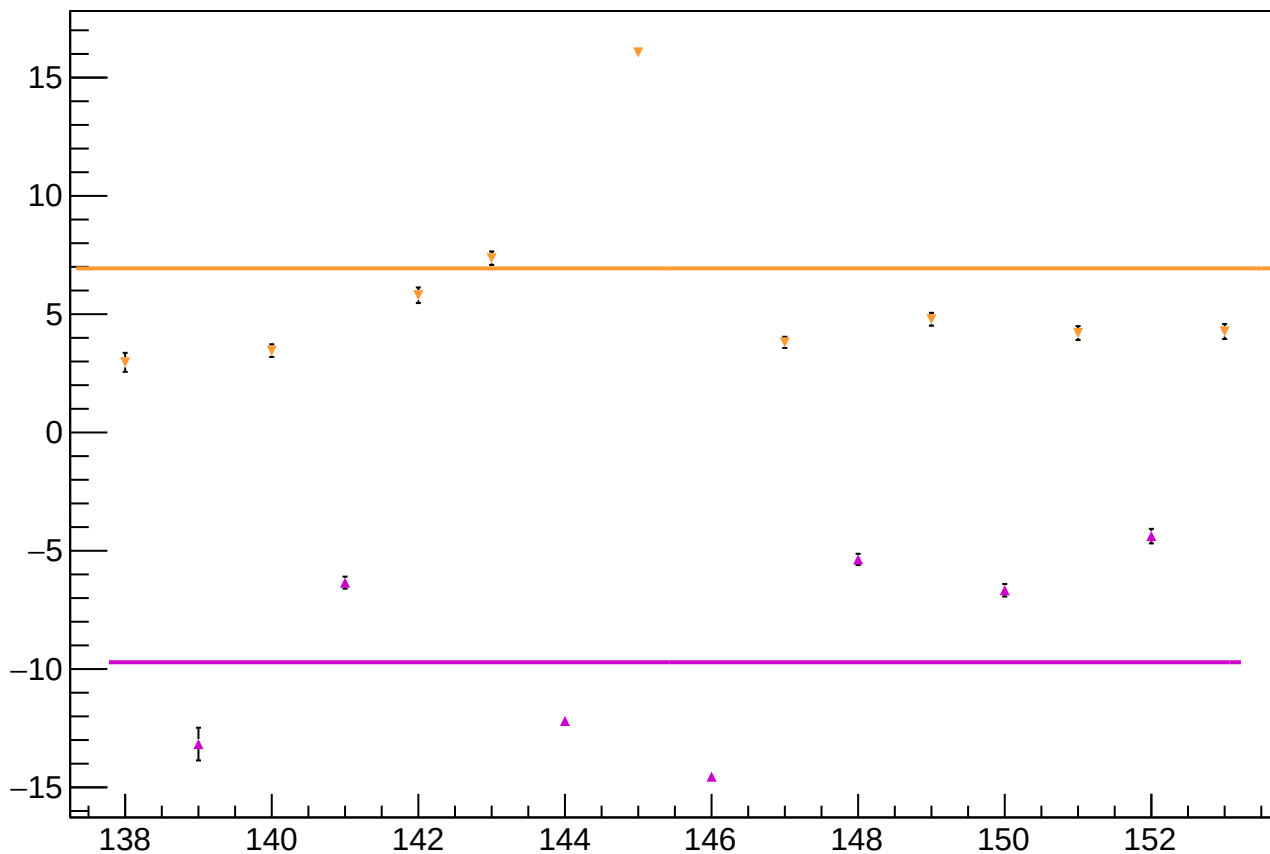
Left In: 24.085 ± 0.111 χ^2/NDF : 2320.5/6

-25.070 ± 0.111 χ^2/NDF : 939.9/8

-0.432 ± 0.078 χ^2/NDF : 101750.0/15

24.085 ± 0.111 χ^2/NDF : 2320.5/6

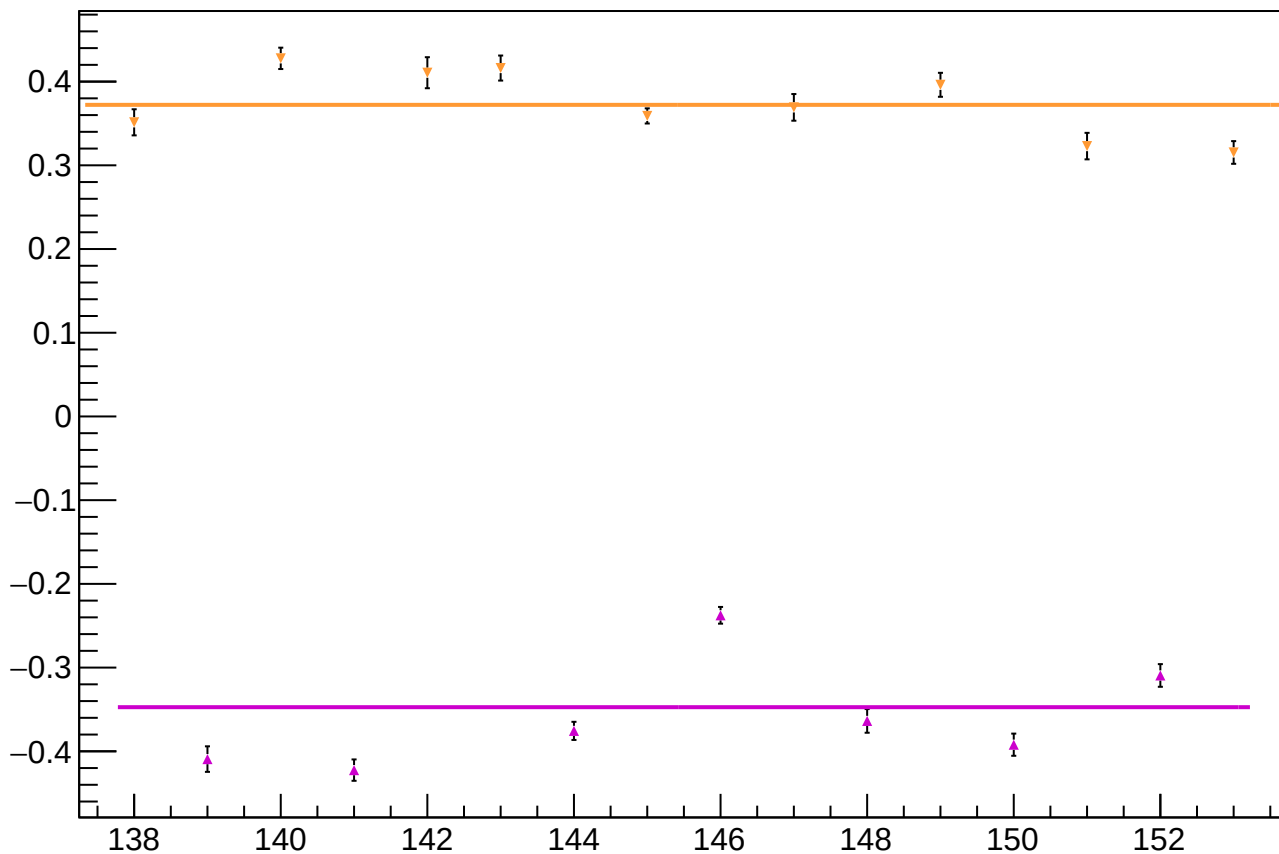
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.934+/-0.092 χ^2/NDF : 2690.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -9.713+/-0.092 χ^2/NDF : 1887.2/6

6.934+/-0.092 χ^2/NDF : 2690.8/8
 -1.379+/-0.065 χ^2/NDF : 20990.0/15
 -9.713+/-0.092 χ^2/NDF : 1887.2/6

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.372+/-0.005 χ^2/NDF : 66.0/8

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

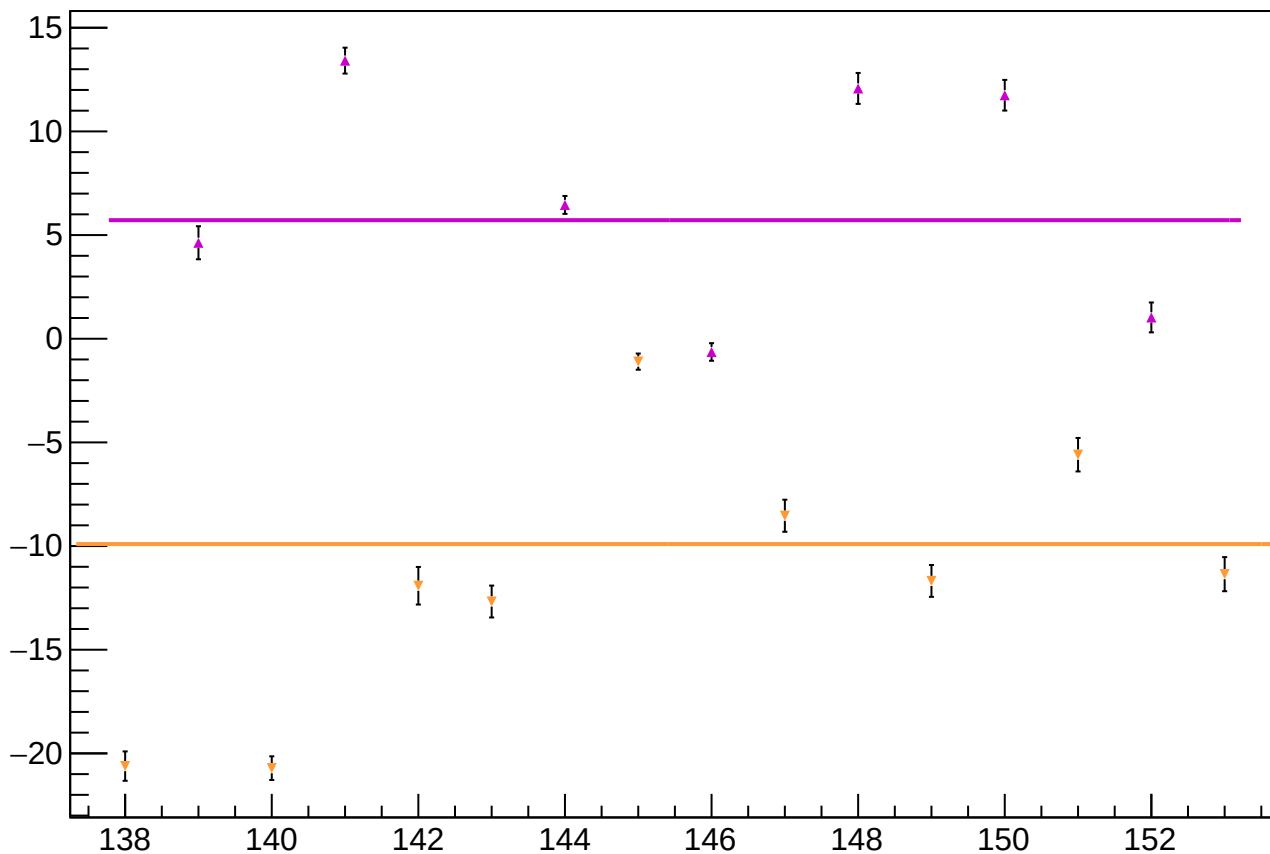
Left In: -0.347+/-0.005 χ^2/NDF : 199.4/6

0.372+/-0.005 χ^2/NDF : 66.0/8

0.024+/-0.003 χ^2/NDF : 12325.7/15

-0.347+/-0.005 χ^2/NDF : 199.4/6

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.904+/-0.219 χ^2/NDF : 1153.0/8

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

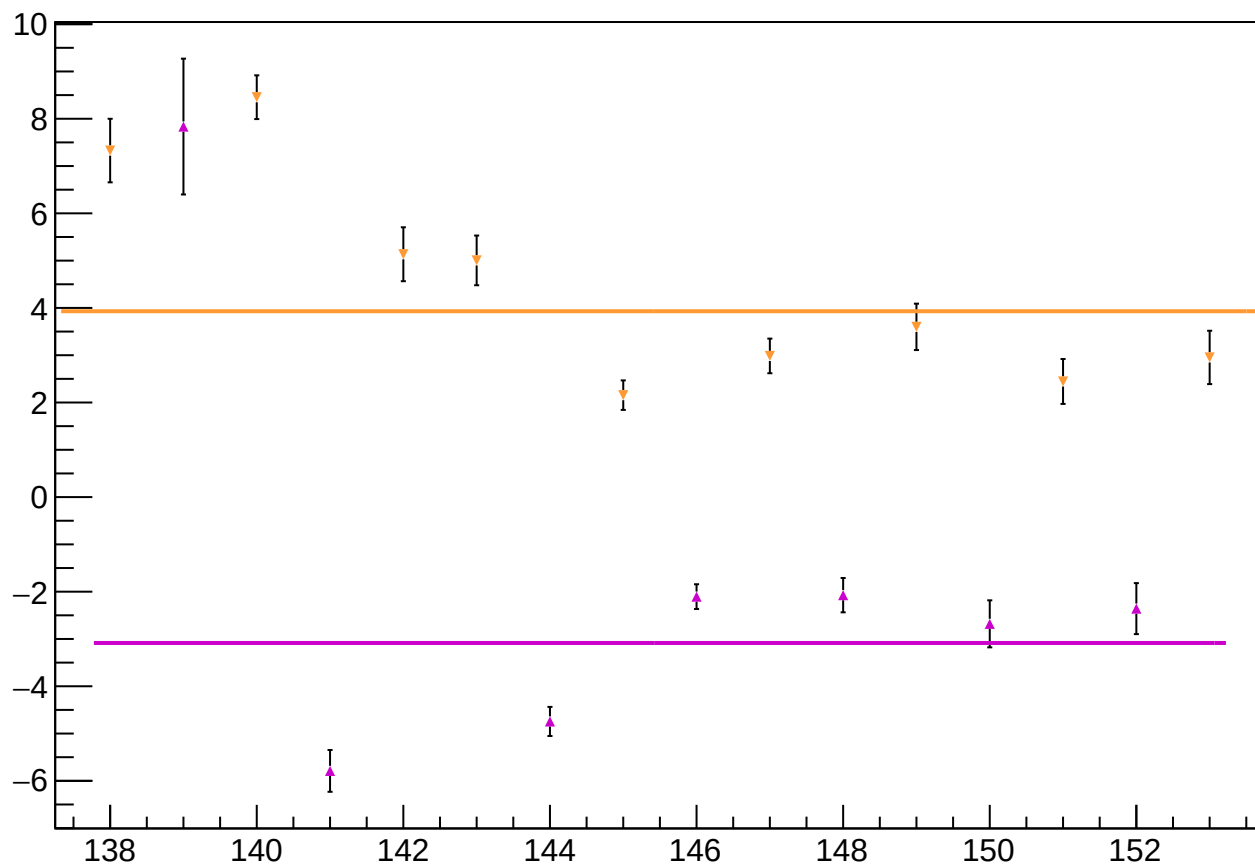
Left In: 5.719+/-0.220 χ^2/NDF : 562.1/6

-9.904+/-0.219 χ^2/NDF : 1153.0/8

-2.151+/-0.155 χ^2/NDF : 4247.1/15

5.719+/-0.220 χ^2/NDF : 562.1/6

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: 3.930 $\pm$ 0.152 χ^2 /NDF:182.3/8

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

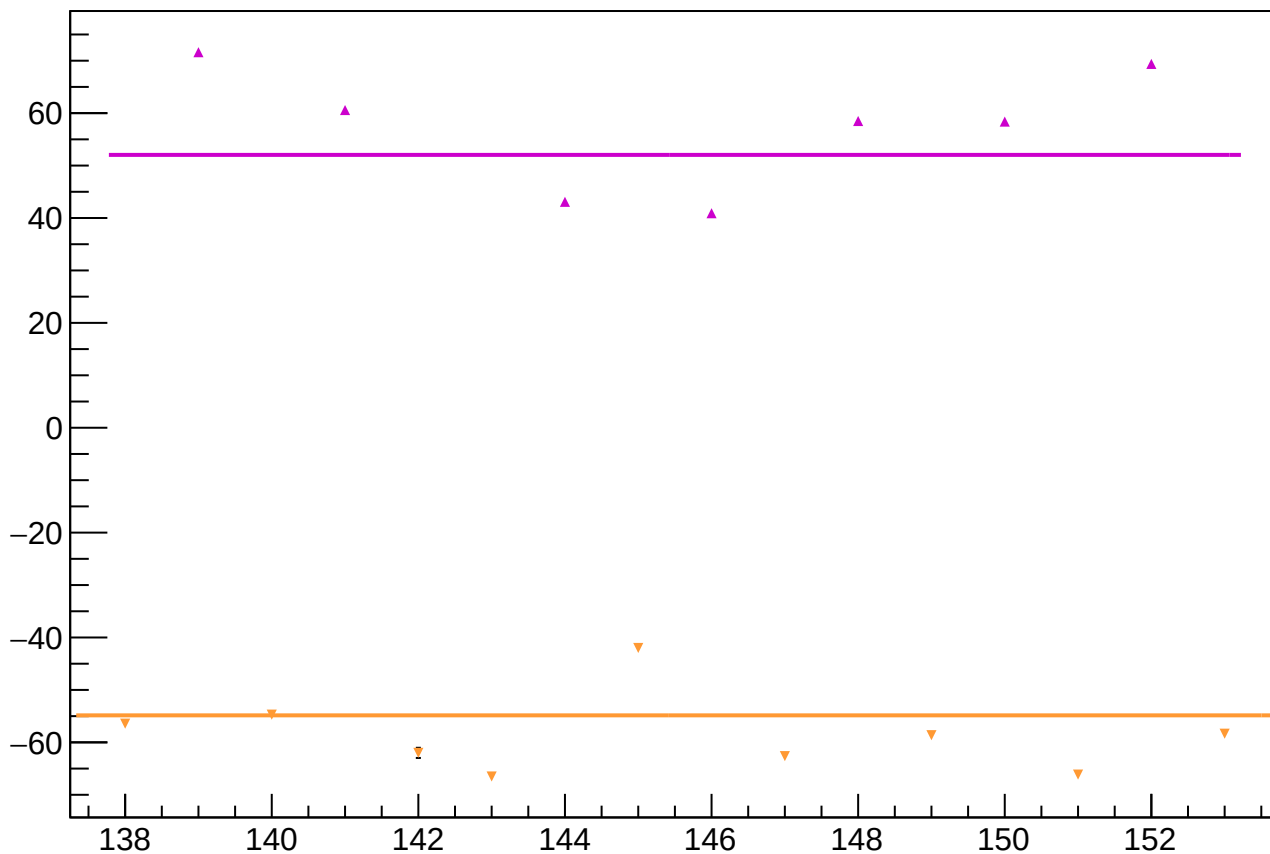
Left In: -3.084 $\pm$ 0.148 χ^2 /NDF:148.6/6

3.930 $\pm$ 0.152 χ^2 /NDF: 182.3/8

0.314 $\pm$ 0.106 χ^2 /NDF: 1422.9/15

-3.084 $\pm$ 0.148 χ^2 /NDF: 148.6/6

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: -54.849+/-0.224 χ^2/NDF : 1592.8/8

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

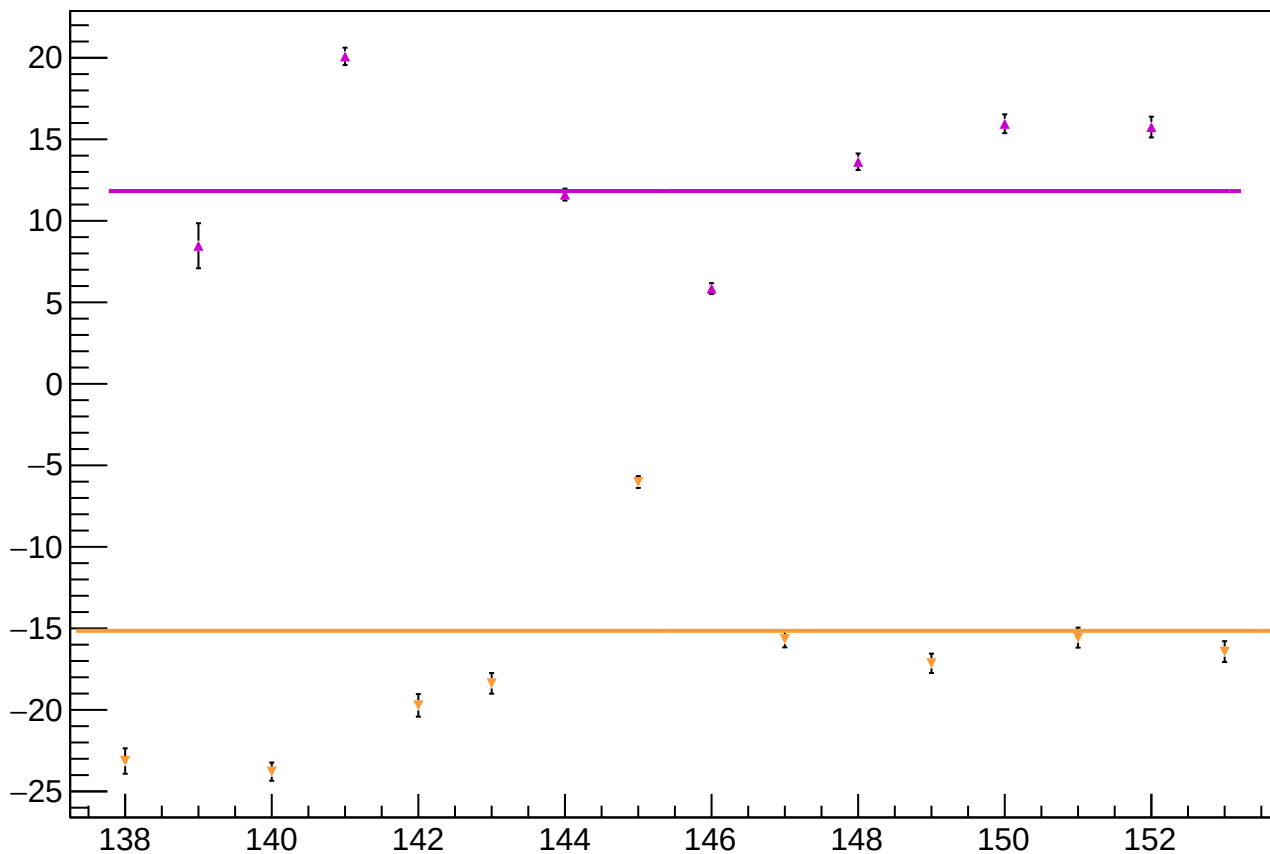
Left In: 52.036+/-0.221 χ^2/NDF : 2600.7/6

-54.849+/-0.224 χ^2/NDF : 1592.8/8

-0.672+/-0.157 χ^2/NDF : 119790.3/15

52.036+/-0.221 χ^2/NDF : 2600.7/6

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: -15.151+/-0.186 χ^2/NDF : 1068.9/8

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

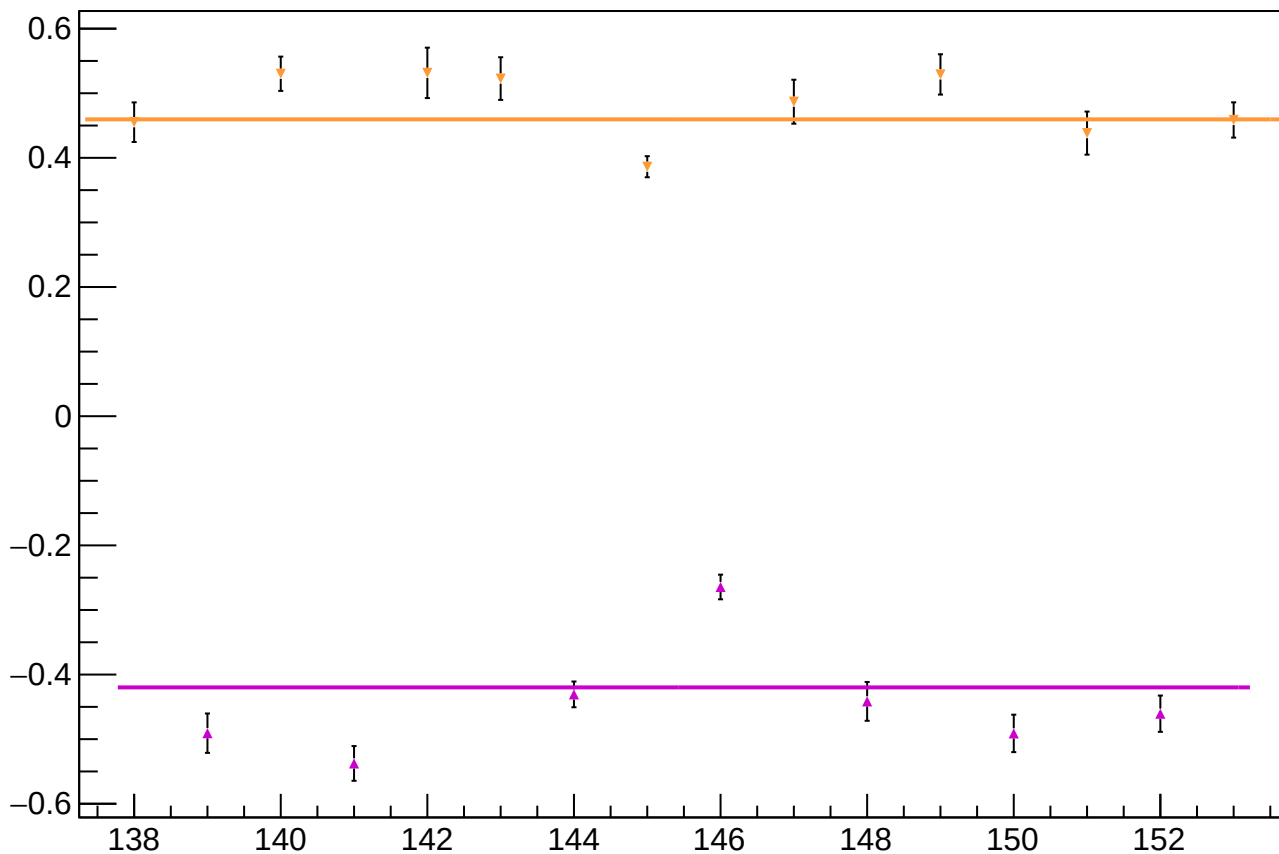
Left In: 11.829+/-0.183 χ^2/NDF : 673.4/6

-15.151+/-0.186 χ^2/NDF : 1068.9/8

-1.419+/-0.130 χ^2/NDF : 12457.1/15

11.829+/-0.183 χ^2/NDF : 673.4/6

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 0.460 ± 0.009 $\chi^2/\text{NDF}: 40.4/8$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

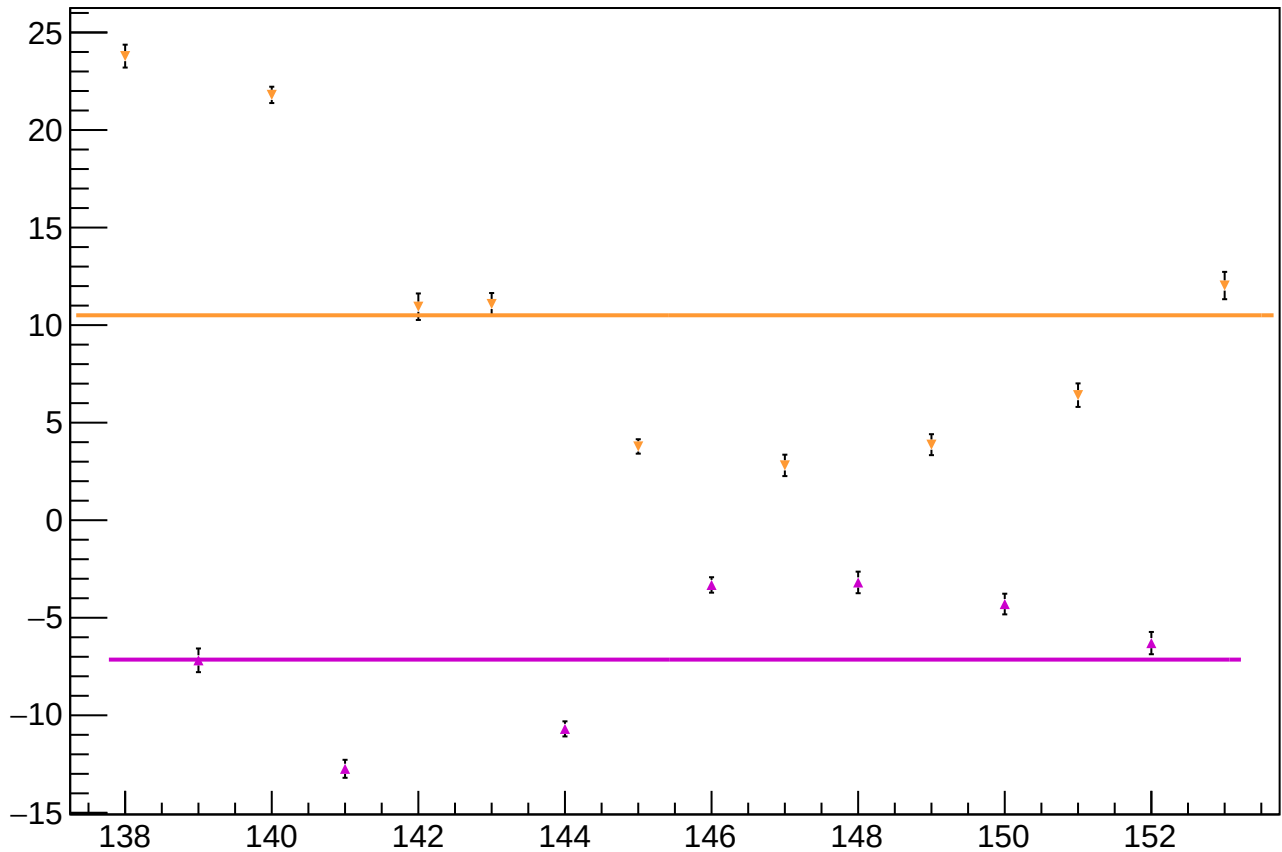
Left In: -0.420 ± 0.009 $\chi^2/\text{NDF}: 99.9/6$

0.460 ± 0.009 $\chi^2/\text{NDF}: 40.4/8$

0.032 ± 0.007 $\chi^2/\text{NDF}: 4629.0/15$

-0.420 ± 0.009 $\chi^2/\text{NDF}: 99.9/6$

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: 10.504+/-0.174 χ^2/NDF : 1974.4/8

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

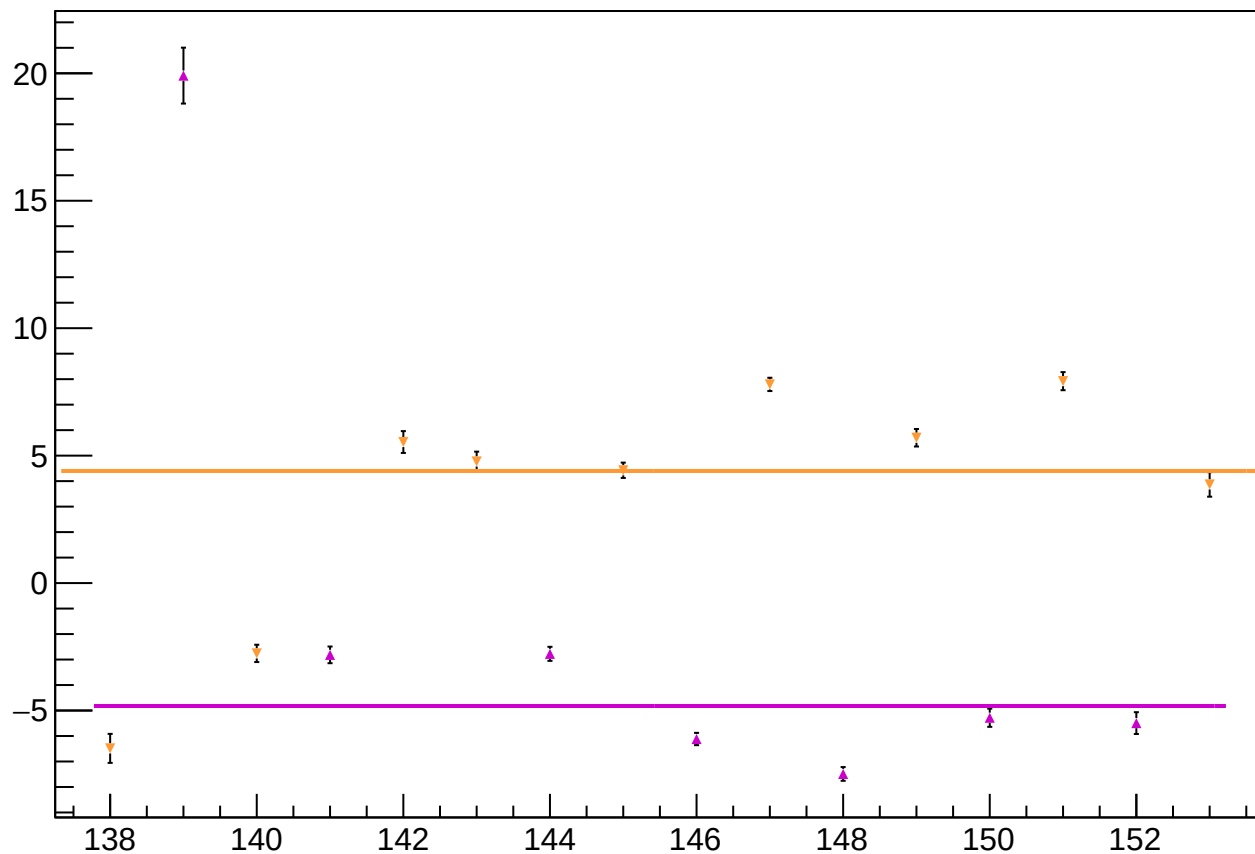
Left In: -7.145+/-0.181 χ^2/NDF : 407.4/6

10.504+/-0.174 χ^2/NDF : 1974.4/8

2.022+/-0.126 χ^2/NDF : 7298.6/15

-7.145+/-0.181 χ^2/NDF : 407.4/6

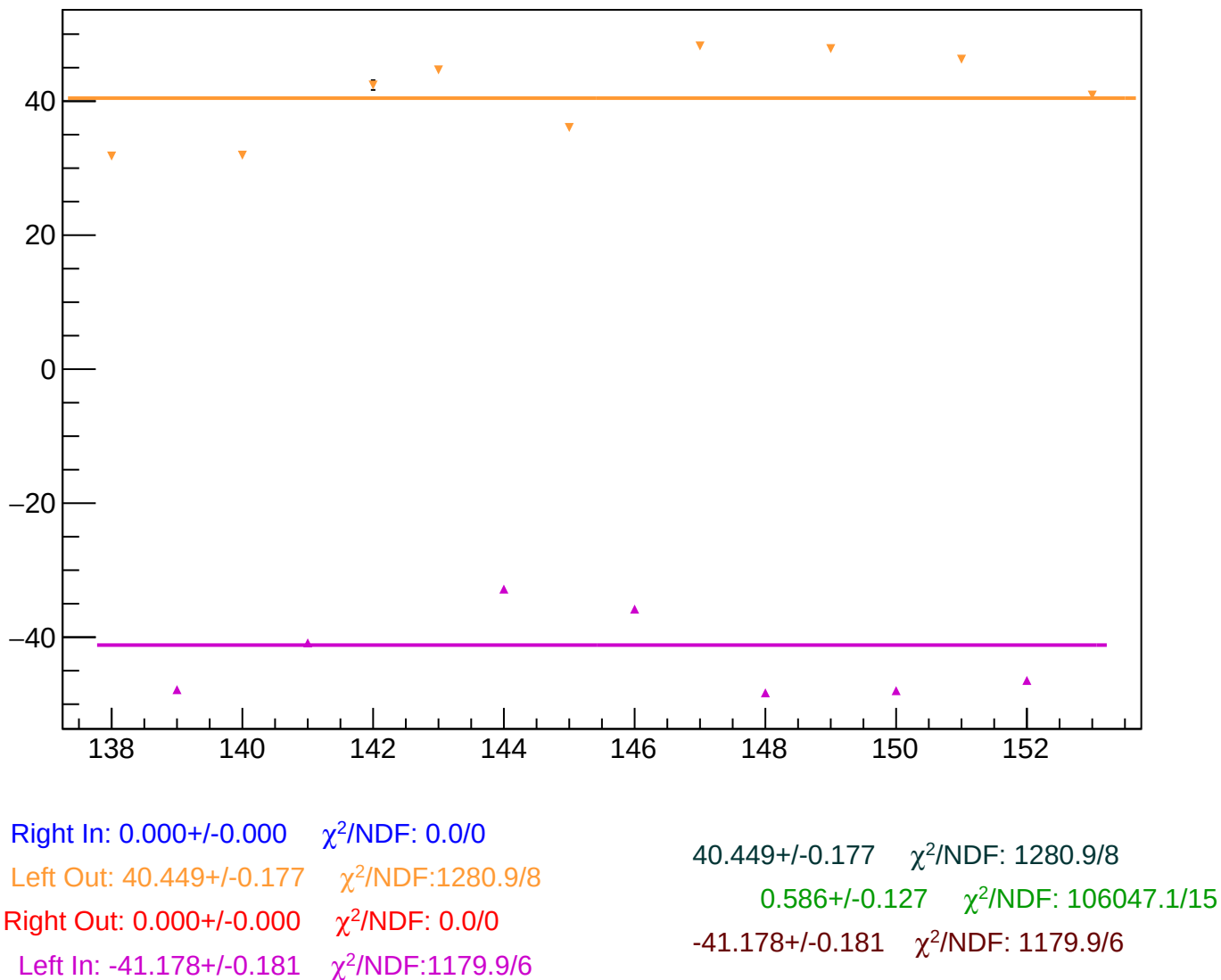
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



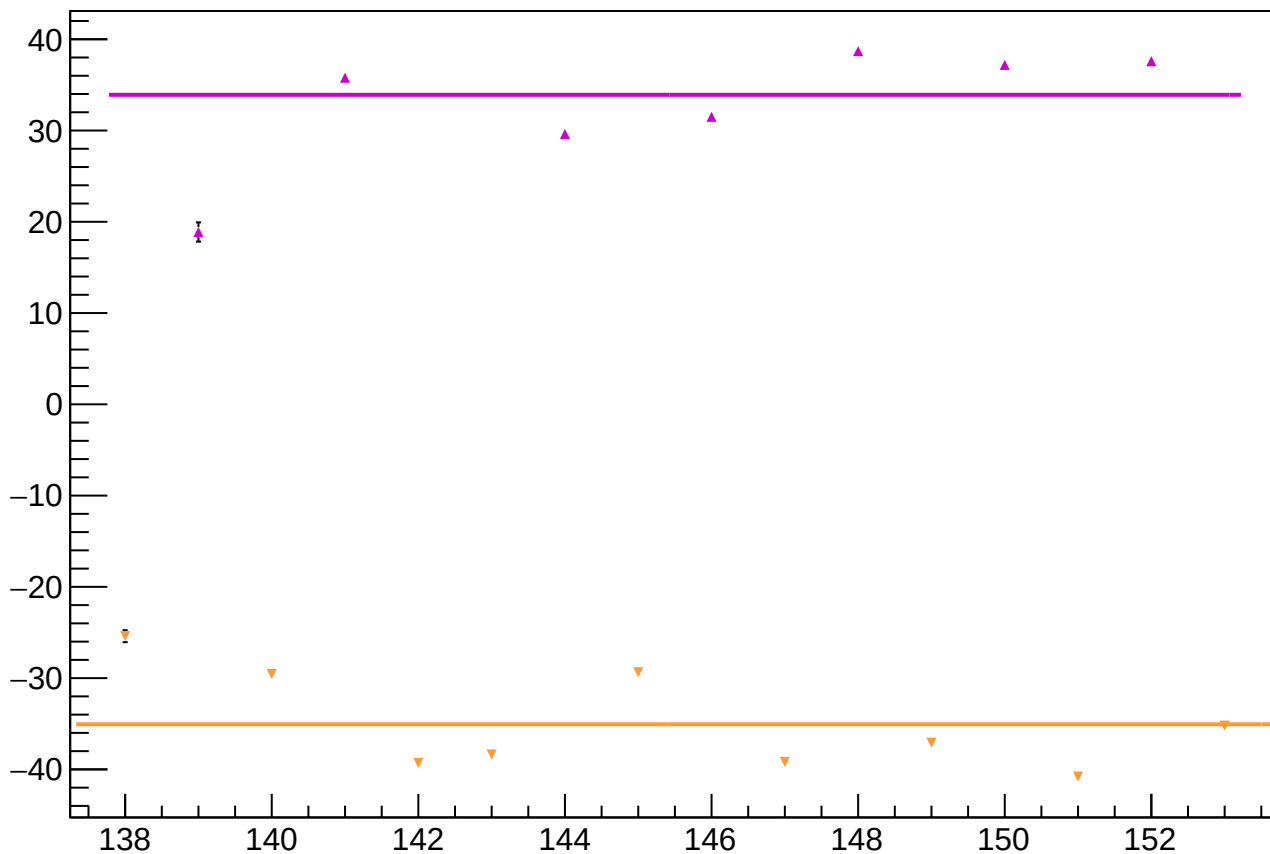
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.398 $\pm$ 0.119 χ^2 /NDF: 1101.7/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.822 $\pm$ 0.122 χ^2 /NDF: 732.2/6

4.398 $\pm$ 0.119 χ^2 /NDF: 1101.7/8
 -0.117 $\pm$ 0.085 χ^2 /NDF: 4766.3/15
 -4.822 $\pm$ 0.122 χ^2 /NDF: 732.2/6

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -35.058+/-0.146 χ^2/NDF : 1097.0/8

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

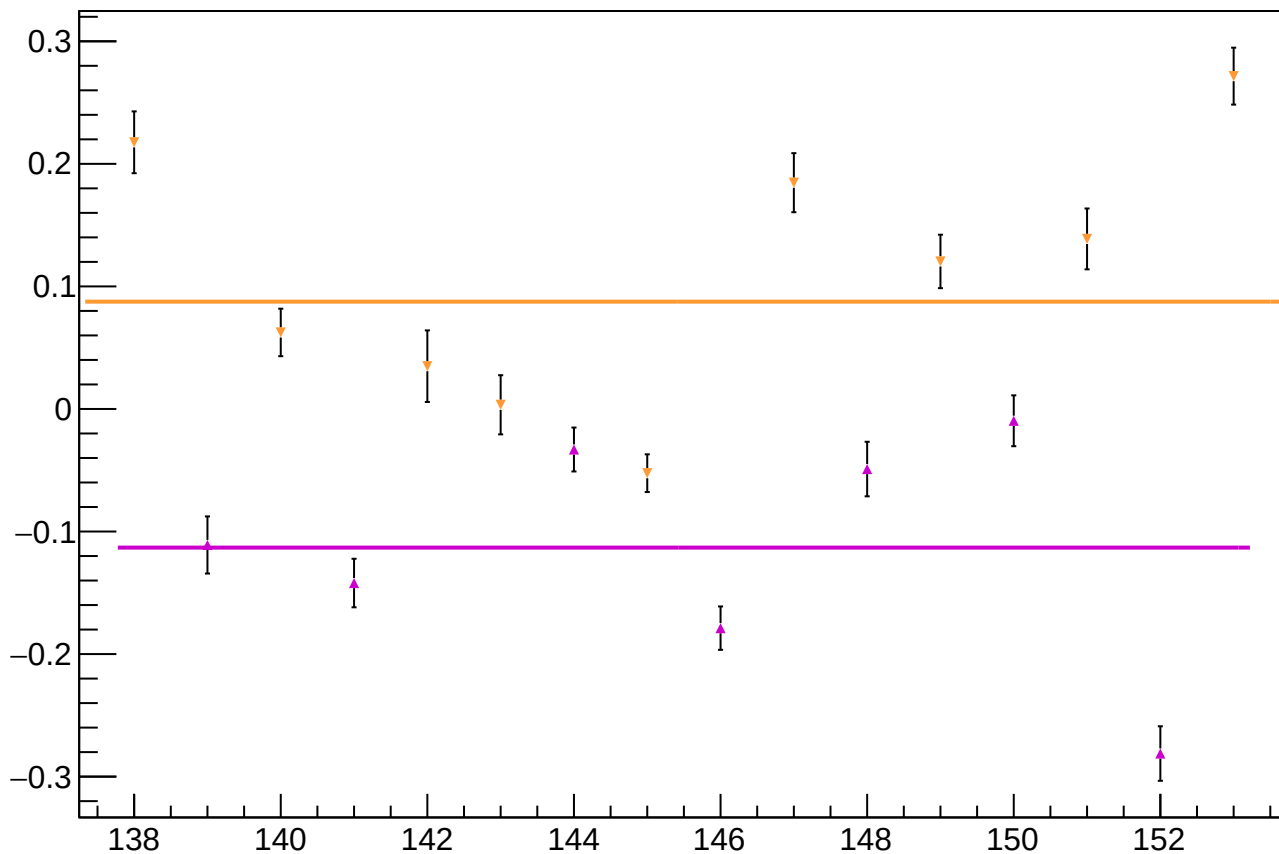
Left In: 33.913+/-0.150 χ^2/NDF : 737.1/6

-35.058+/-0.146 χ^2/NDF : 1097.0/8

-1.477+/-0.105 χ^2/NDF : 109759.9/15

33.913+/-0.150 χ^2/NDF : 737.1/6

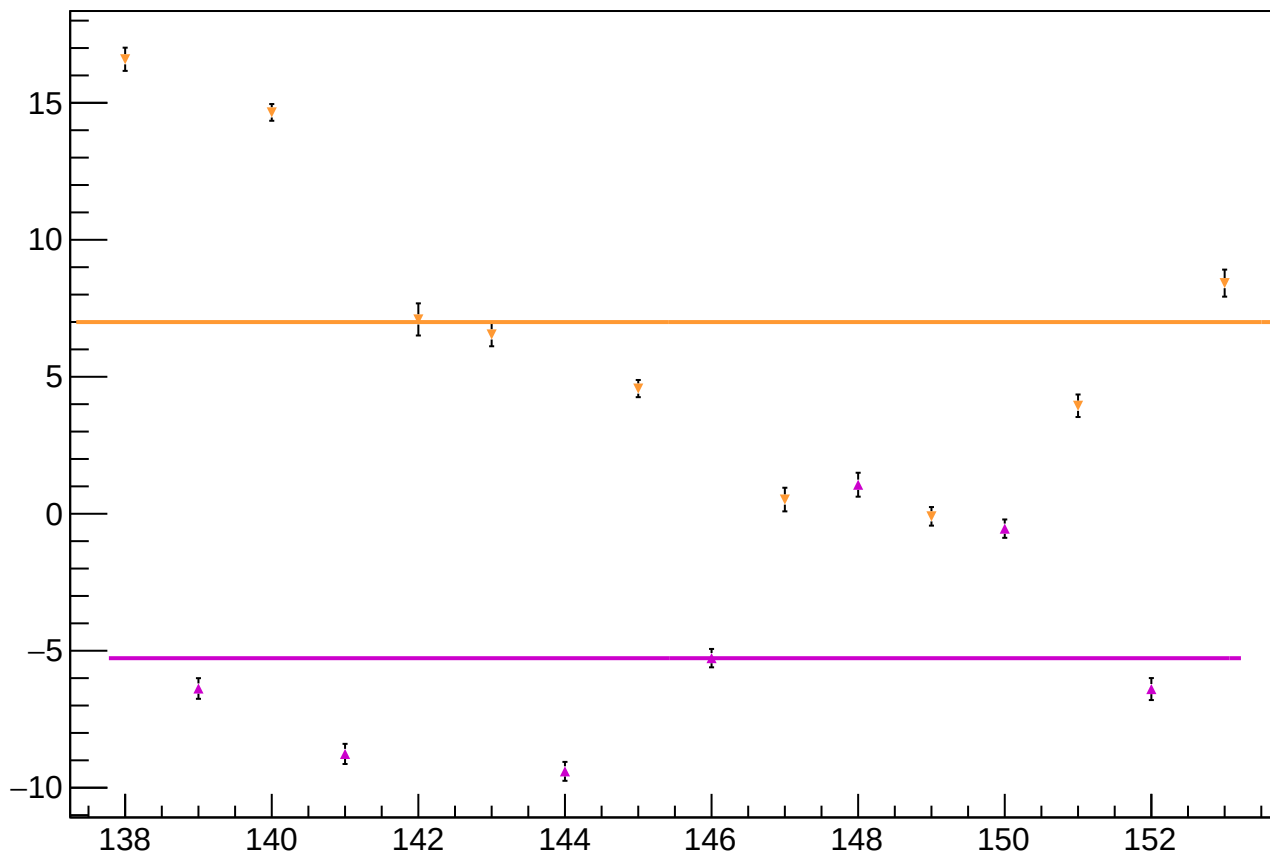
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.088 $\pm$ 0.007 χ^2 /NDF:212.0/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.113 $\pm$ 0.008 χ^2 /NDF:126.2/6

0.088 $\pm$ 0.007 χ^2 /NDF: 212.0/8
 -0.008 $\pm$ 0.005 χ^2 /NDF: 697.0/15
 -0.113 $\pm$ 0.008 χ^2 /NDF: 126.2/6

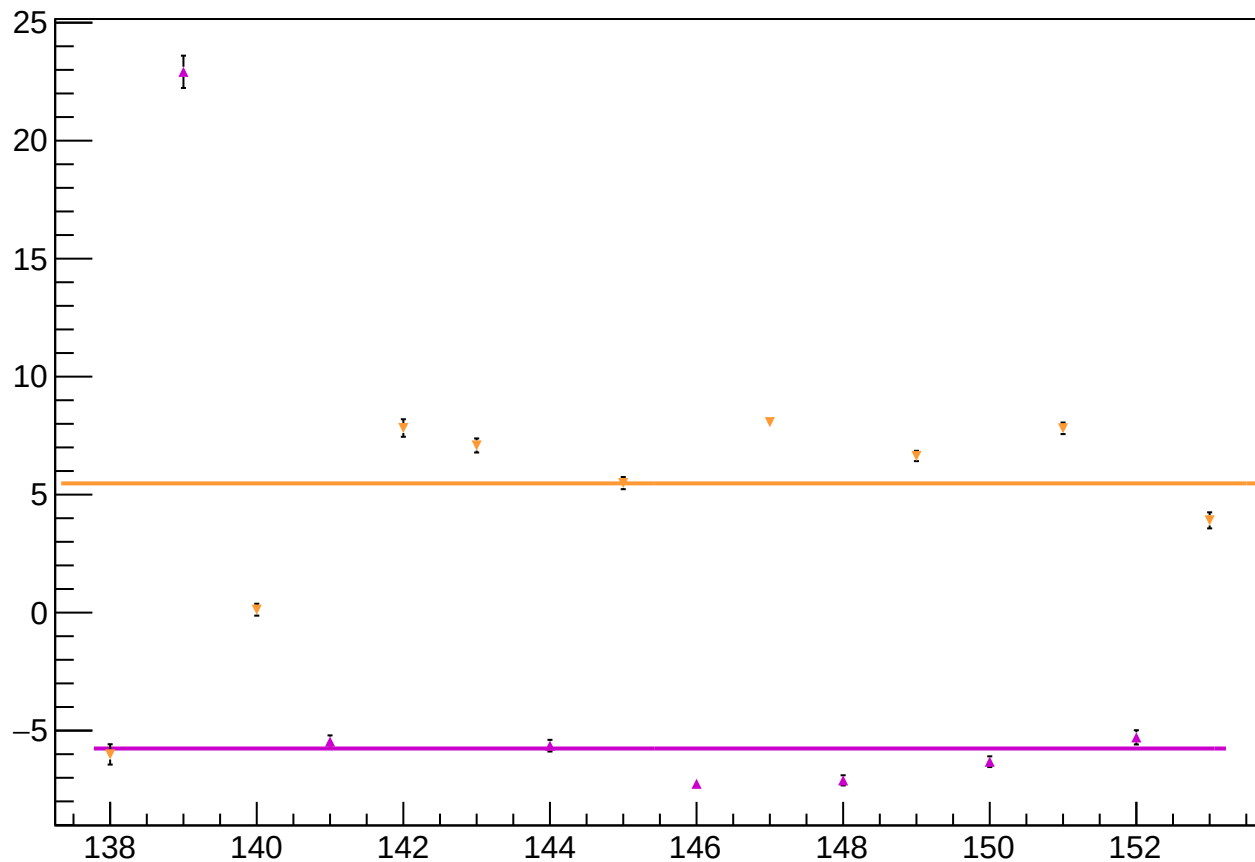
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.997 $\pm$ 0.130 χ^2 /NDF:1928.7/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.272 $\pm$ 0.139 χ^2 /NDF:659.6/6

6.997 $\pm$ 0.130 χ^2 /NDF: 1928.7/8
 1.235 $\pm$ 0.095 χ^2 /NDF: 6746.8/15
 -5.272 $\pm$ 0.139 χ^2 /NDF: 659.6/6

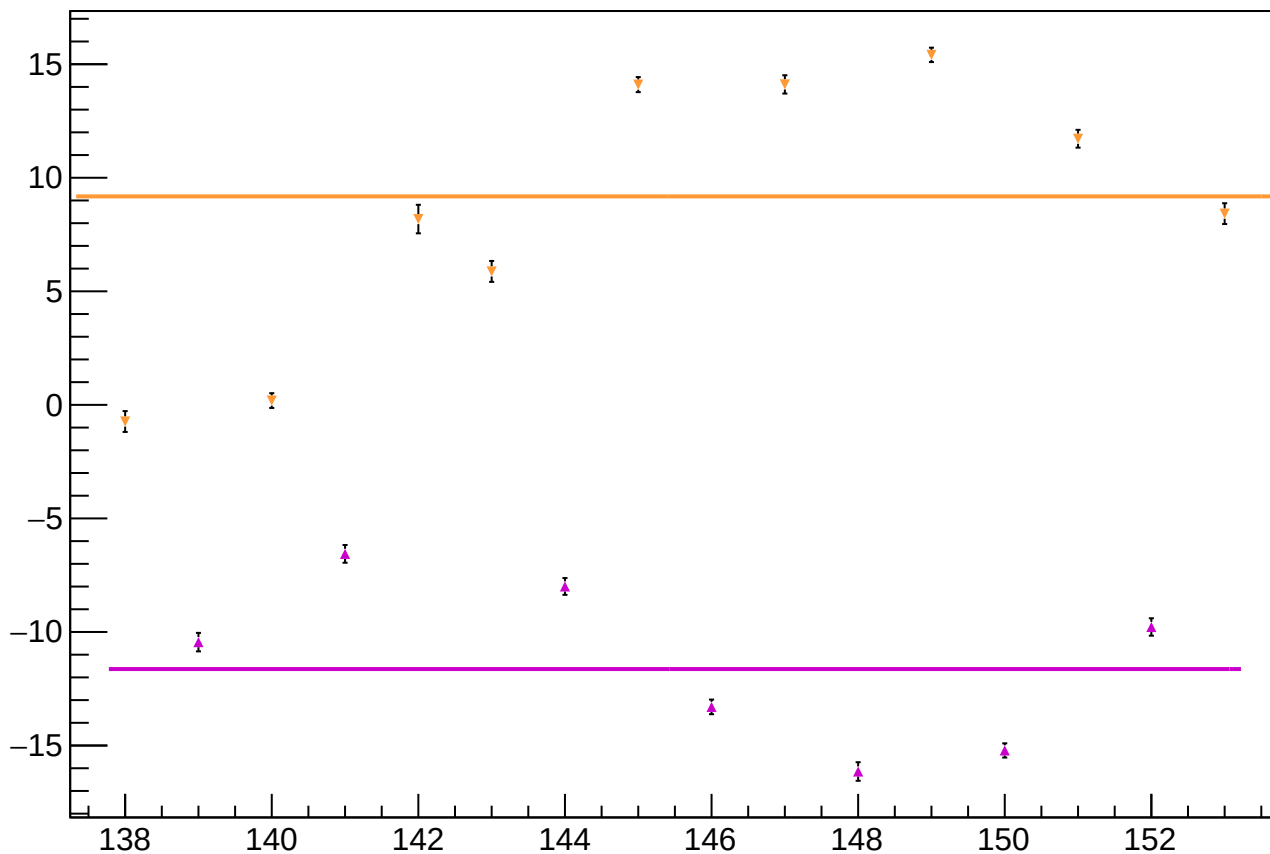
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.477 $\pm$ 0.090 χ^2 /NDF:1523.3/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.759 $\pm$ 0.097 χ^2 /NDF:1854.0/6

5.477 $\pm$ 0.090 χ^2 /NDF: 1523.3/8
 0.282 $\pm$ 0.066 χ^2 /NDF: 10618.2/15
 -5.759 $\pm$ 0.097 χ^2 /NDF: 1854.0/6

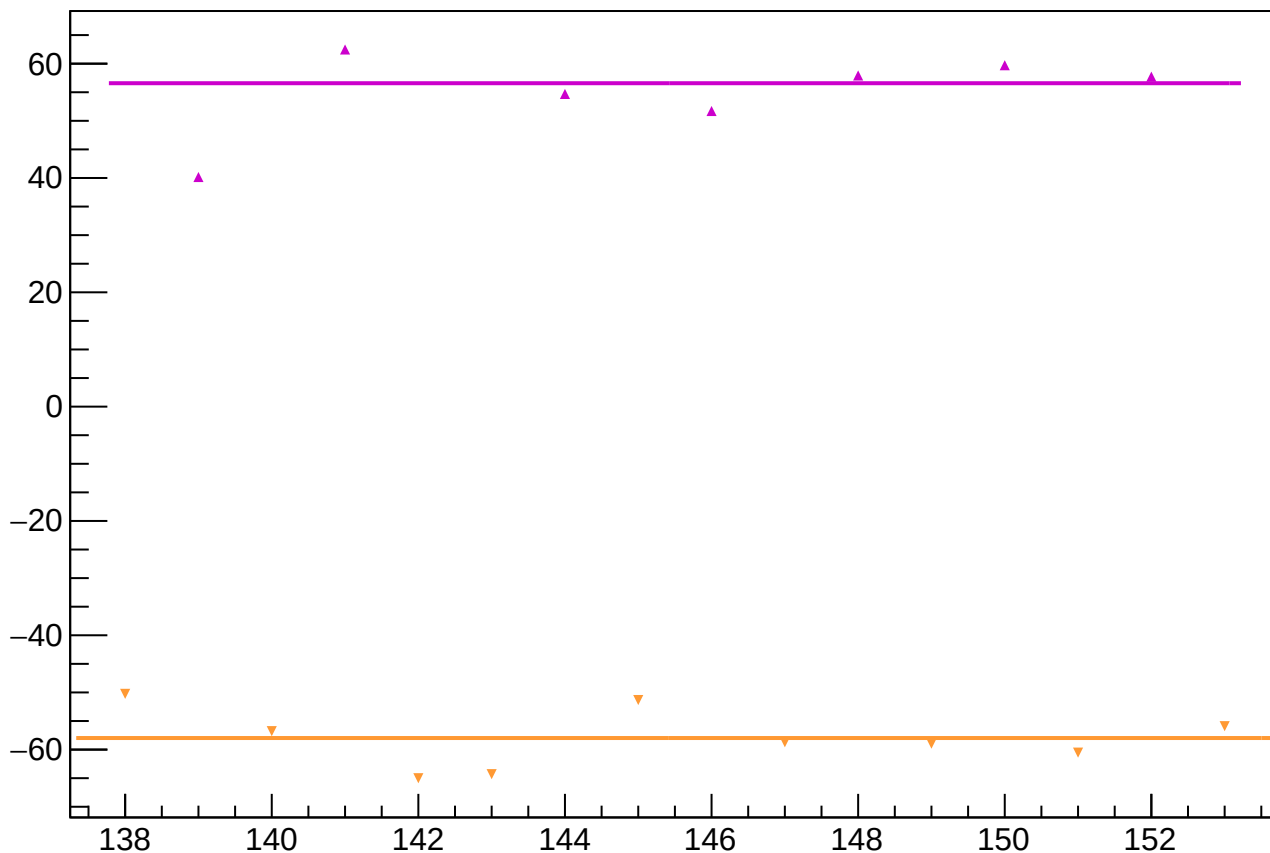
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 9.180 $\pm$ 0.131 χ^2 /NDF:2084.2/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -11.632 $\pm$ 0.138 χ^2 /NDF:575.7/6

9.180 $\pm$ 0.131 χ^2 /NDF: 2084.2/8
 -0.712 $\pm$ 0.095 χ^2 /NDF: 14580.5/15
 -11.632 $\pm$ 0.138 χ^2 /NDF: 575.7/6

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: -57.976+/-0.110 χ^2/NDF : 1437.2/8

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

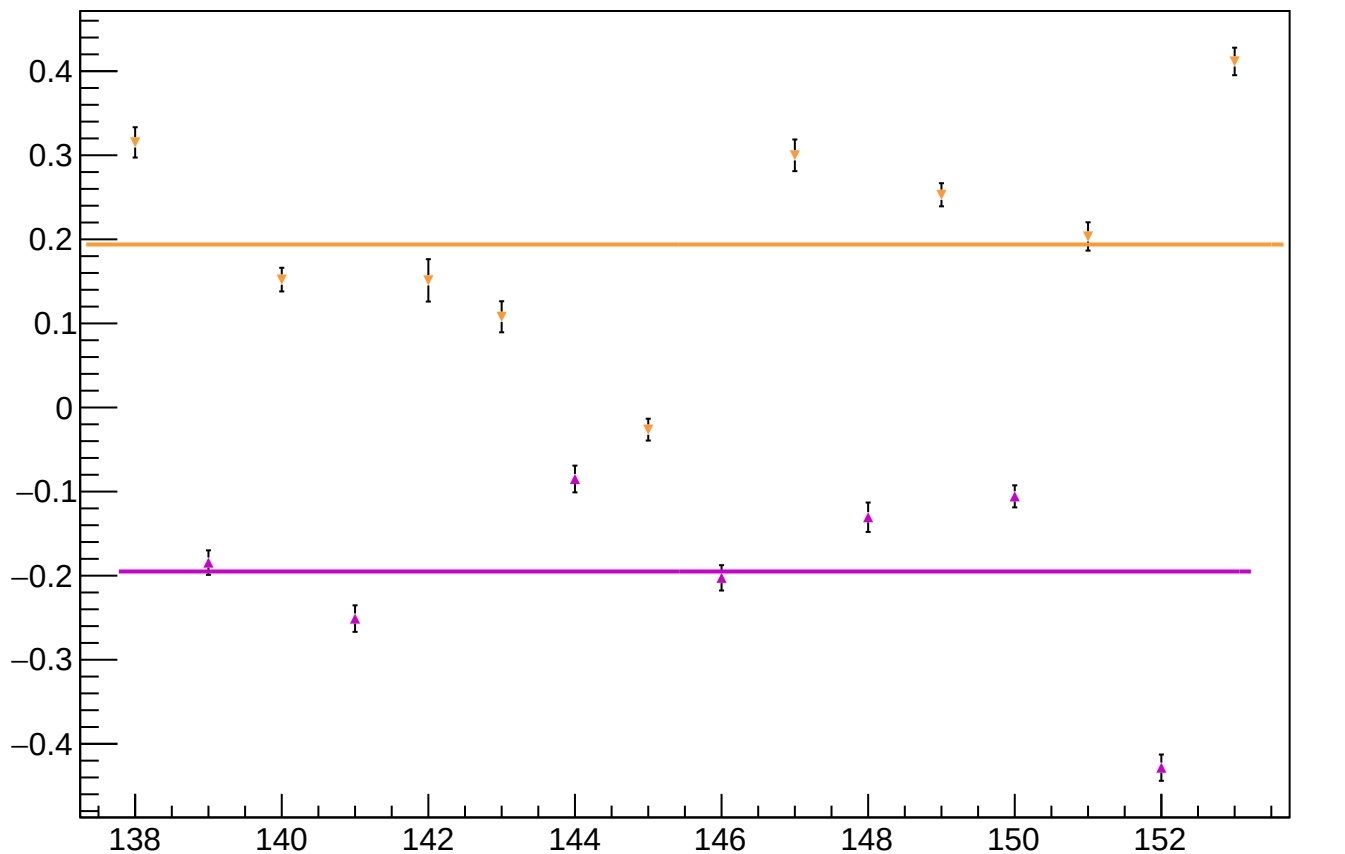
Left In: 56.580+/-0.118 χ^2/NDF : 1519.9/6

-57.976+/-0.110 χ^2/NDF : 1437.2/8

-4.814+/-0.080 χ^2/NDF : 507613.8/15

56.580+/-0.118 χ^2/NDF : 1519.9/6

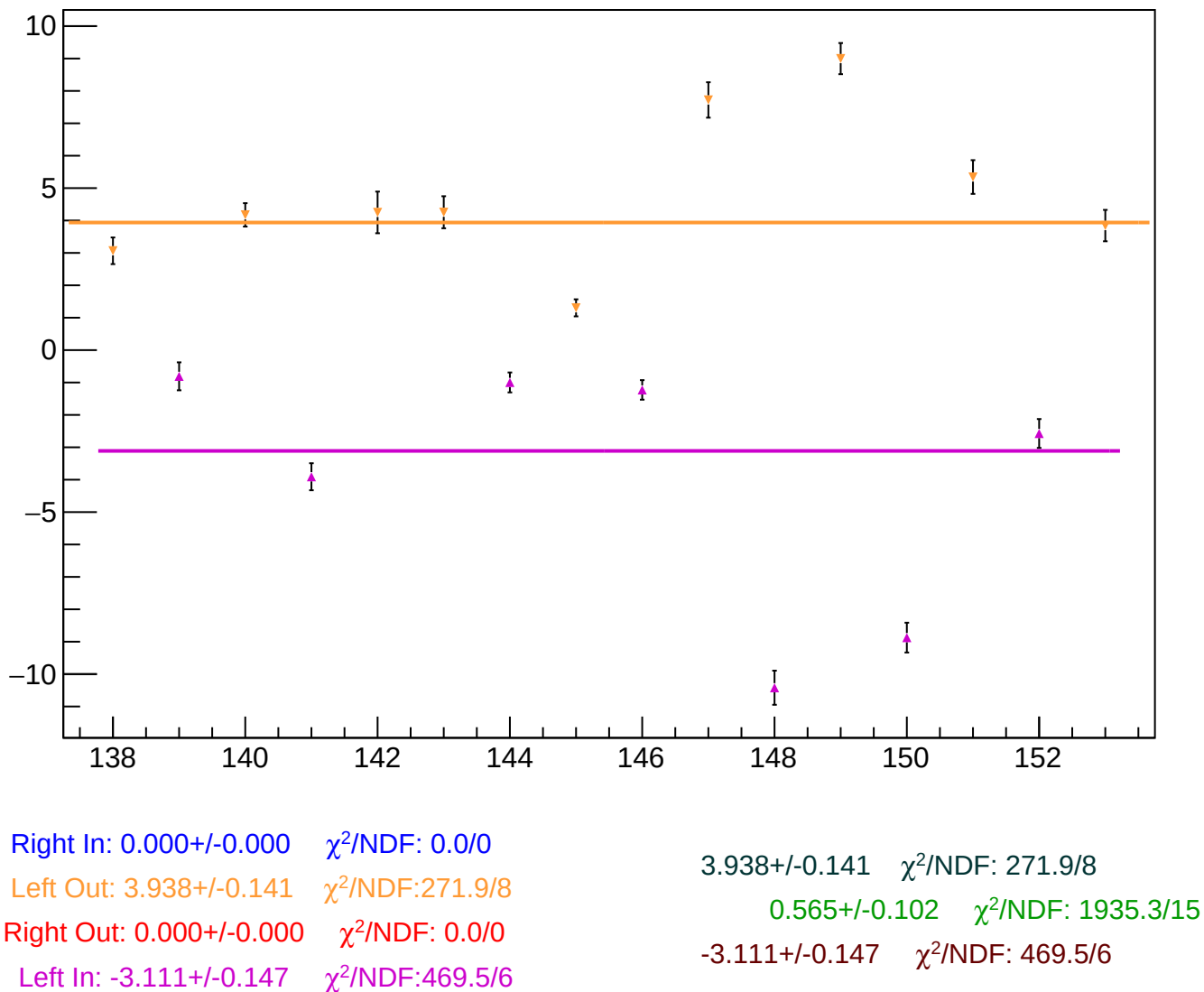
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



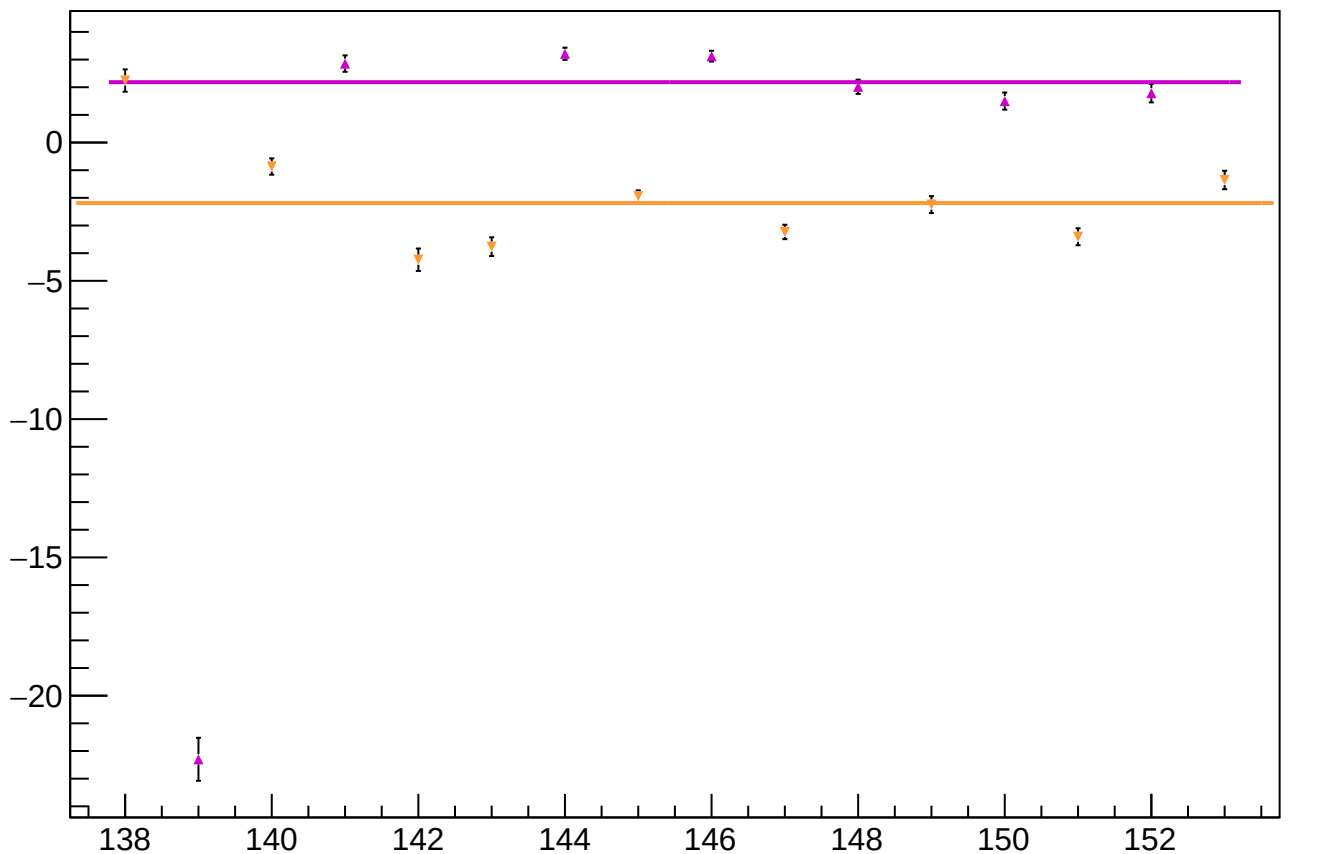
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.194 $\pm$ 0.005 χ^2 /NDF:592.4/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.195 $\pm$ 0.006 χ^2 /NDF:344.4/6

0.194 $\pm$ 0.005 χ^2 /NDF: 592.4/8
 0.010 $\pm$ 0.004 χ^2 /NDF: 3355.8/15
 -0.195 $\pm$ 0.006 χ^2 /NDF: 344.4/6

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.186 $\pm$ 0.100 χ^2/NDF : 226.9/8

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

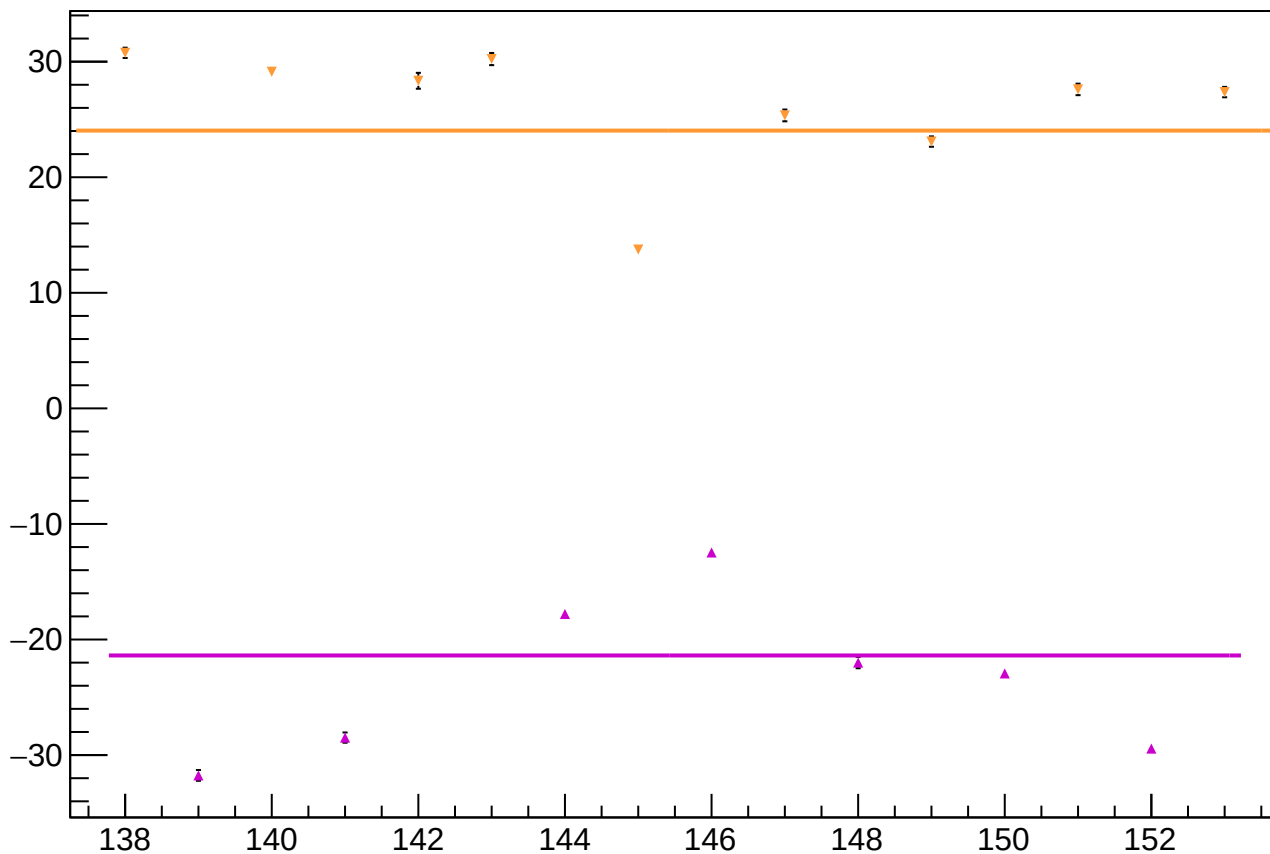
Left In: 2.183 $\pm$ 0.103 χ^2/NDF : 1049.4/6

-2.186 $\pm$ 0.100 χ^2/NDF : 226.9/8

-0.060 $\pm$ 0.072 χ^2/NDF : 2202.8/15

2.183 $\pm$ 0.103 χ^2/NDF : 1049.4/6

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: 24.035+/-0.144 χ^2/NDF : 2046.1/8

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

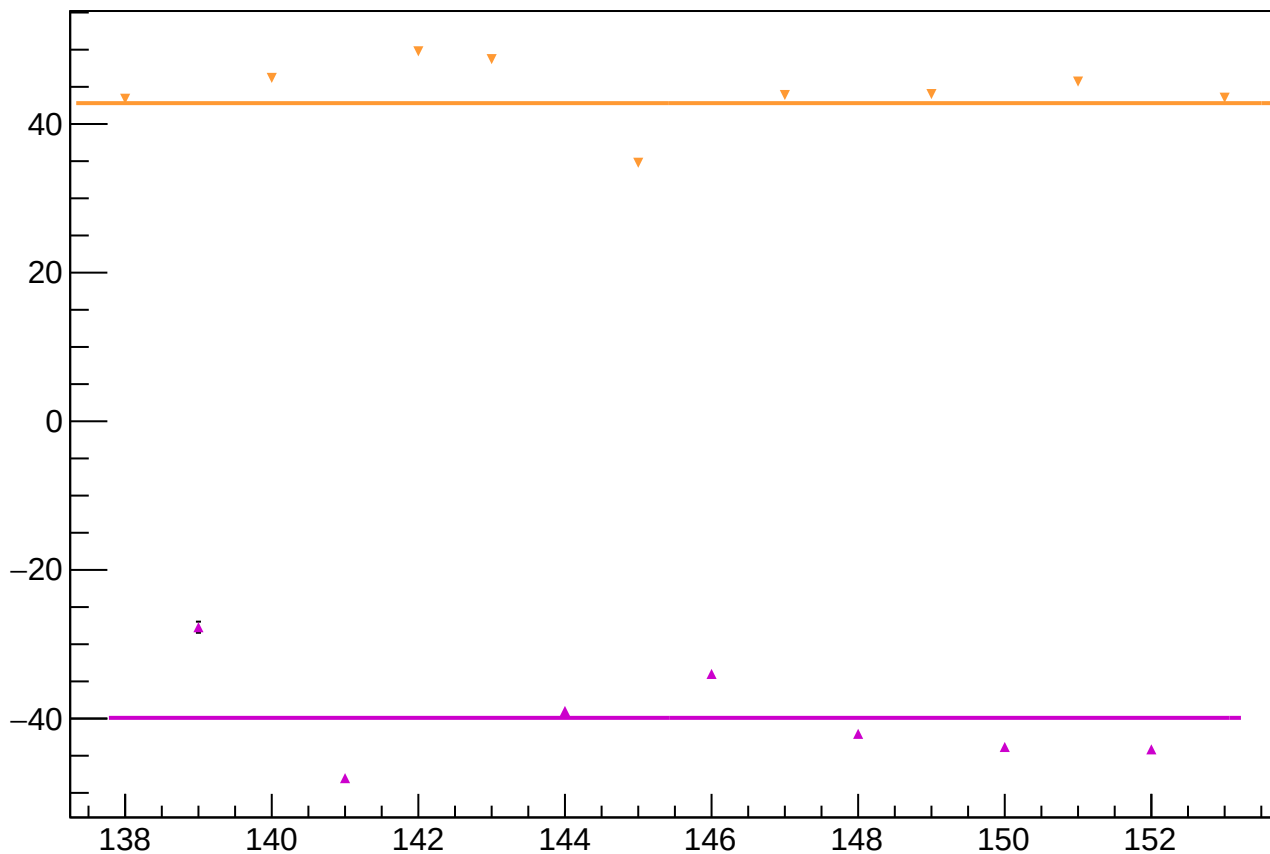
Left In: -21.379+/-0.148 χ^2/NDF : 2184.9/6

24.035+/-0.144 χ^2/NDF : 2046.1/8

1.875+/-0.103 χ^2/NDF : 52556.9/15

-21.379+/-0.148 χ^2/NDF : 2184.9/6

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: 42.807+/-0.121 χ^2/NDF :1662.6/8

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

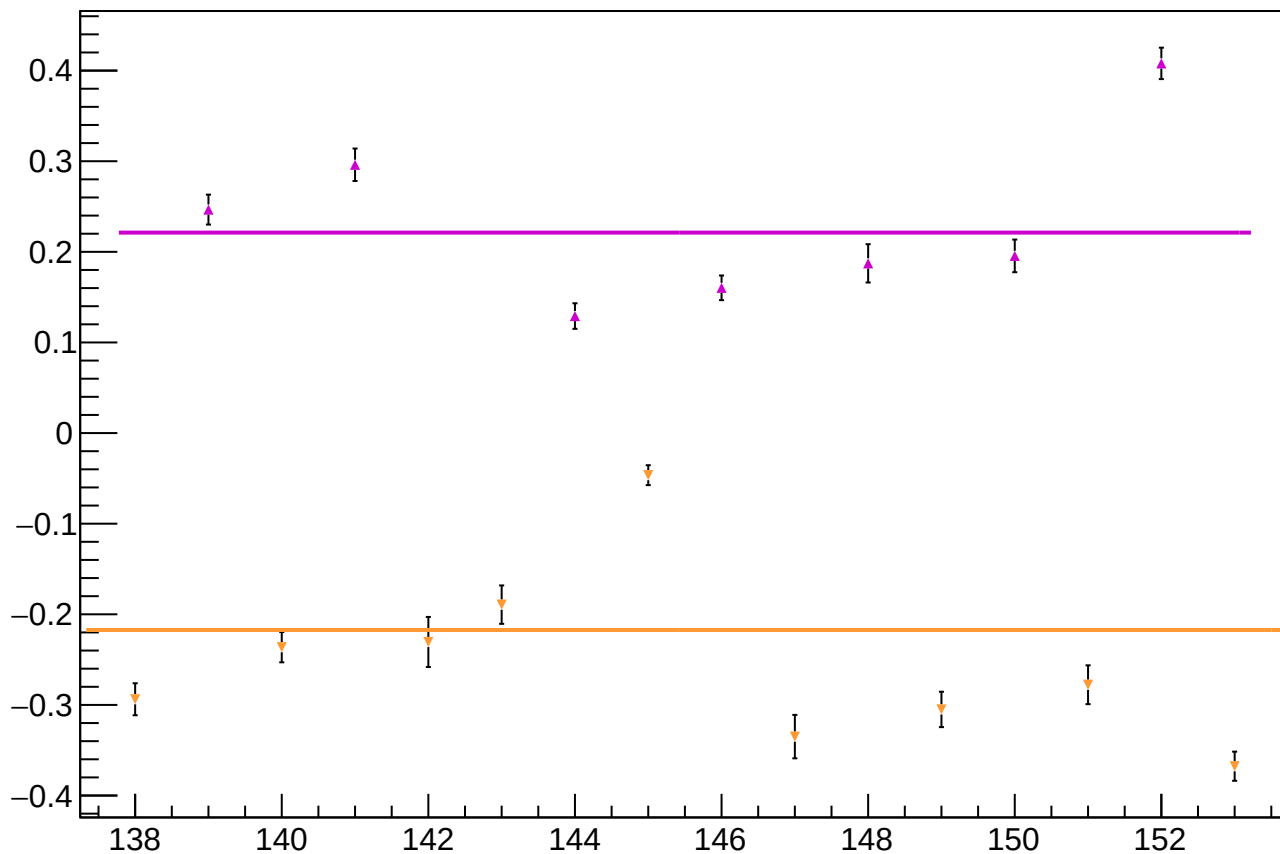
Left In: -39.905+/-0.126 χ^2/NDF :1667.0/6

42.807+/-0.121 χ^2/NDF : 1662.6/8

2.842+/-0.087 χ^2/NDF : 227722.5/15

-39.905+/-0.126 χ^2/NDF : 1667.0/6

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.217 $\pm$ 0.006 χ^2 /NDF: 403.5/8

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

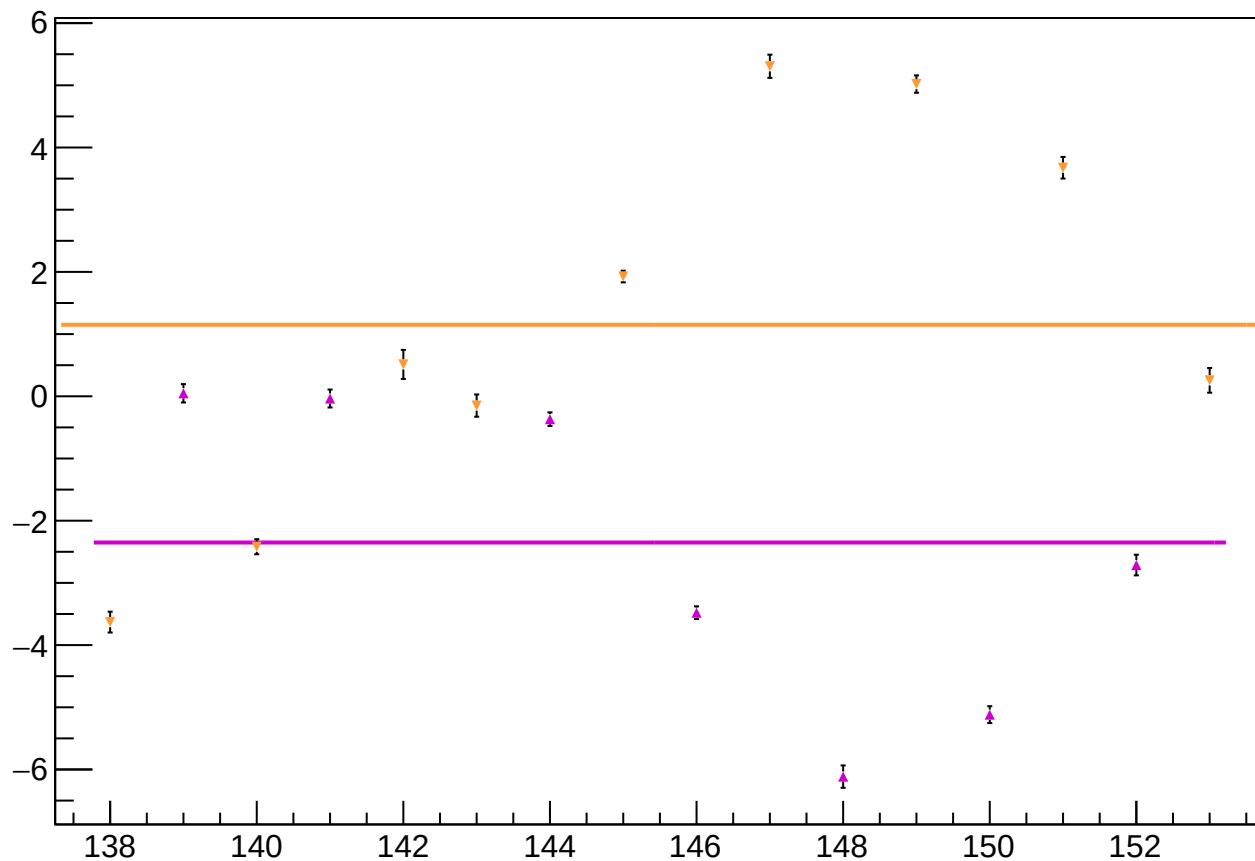
Left In: 0.221 $\pm$ 0.006 χ^2 /NDF: 203.1/6

-0.217 $\pm$ 0.006 χ^2 /NDF: 403.5/8

-0.011 $\pm$ 0.004 χ^2 /NDF: 3237.1/15

0.221 $\pm$ 0.006 χ^2 /NDF: 203.1/6

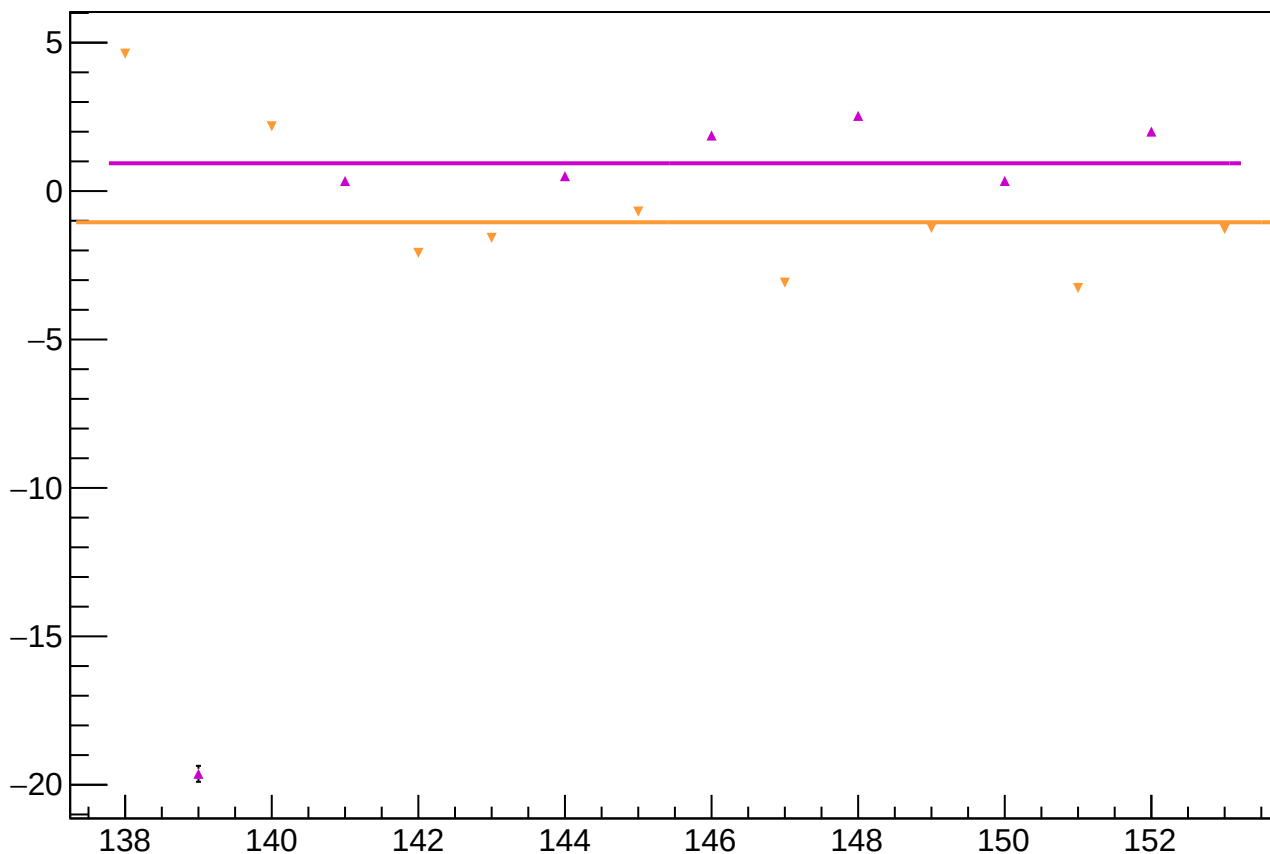
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.150 $\pm$ 0.050 χ^2 /NDF:3302.6/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.351 $\pm$ 0.050 χ^2 /NDF:1828.4/6

1.150 $\pm$ 0.050 χ^2 /NDF: 3302.6/8
 -0.577 $\pm$ 0.035 χ^2 /NDF: 7578.7/15
 -2.351 $\pm$ 0.050 χ^2 /NDF: 1828.4/6

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: -1.051+/-0.035 χ^2/NDF : 3247.0/8

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

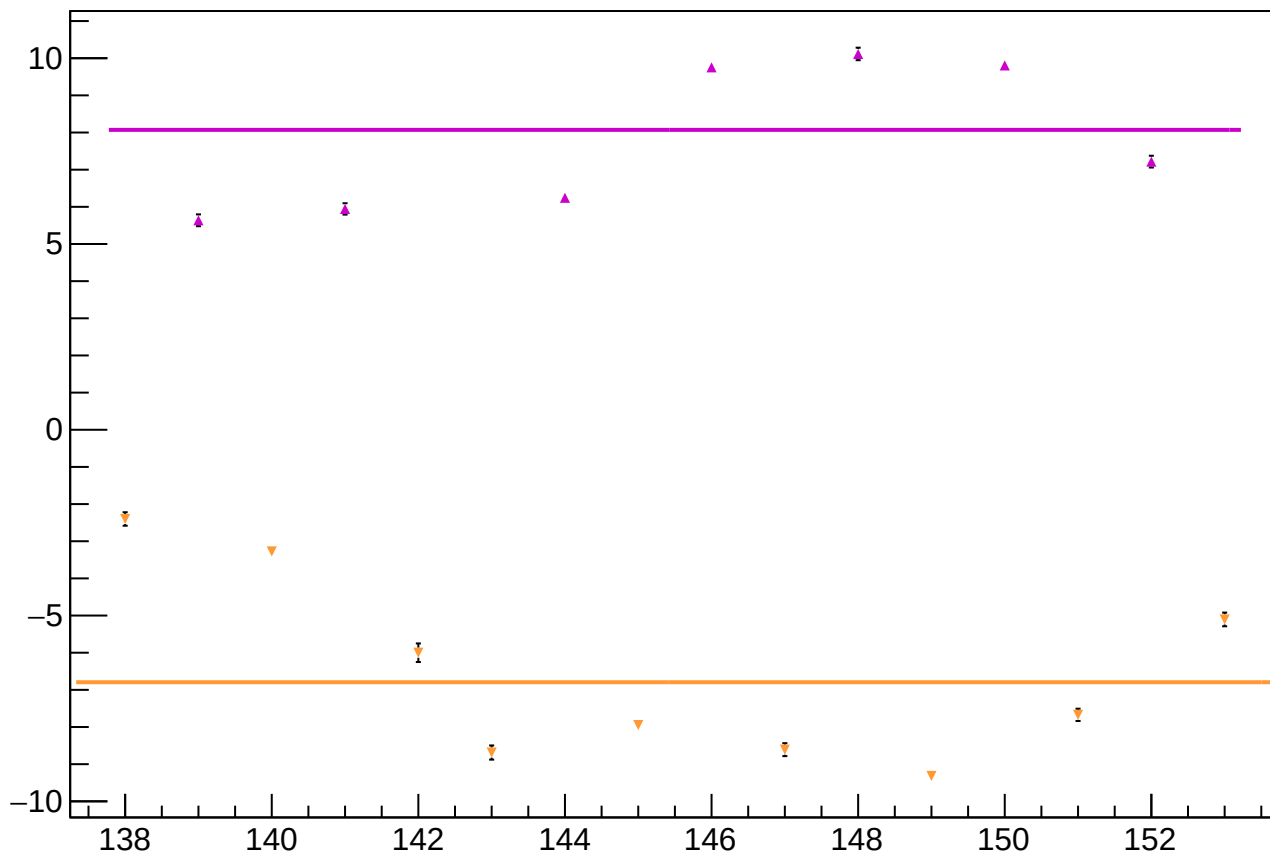
Left In: 0.936+/-0.035 χ^2/NDF : 6543.3/6

-1.051+/-0.035 χ^2/NDF : 3247.0/8

-0.063+/-0.025 χ^2/NDF : 11385.4/15

0.936+/-0.035 χ^2/NDF : 6543.3/6

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: -6.795+/-0.051 χ^2/NDF : 2163.5/8

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

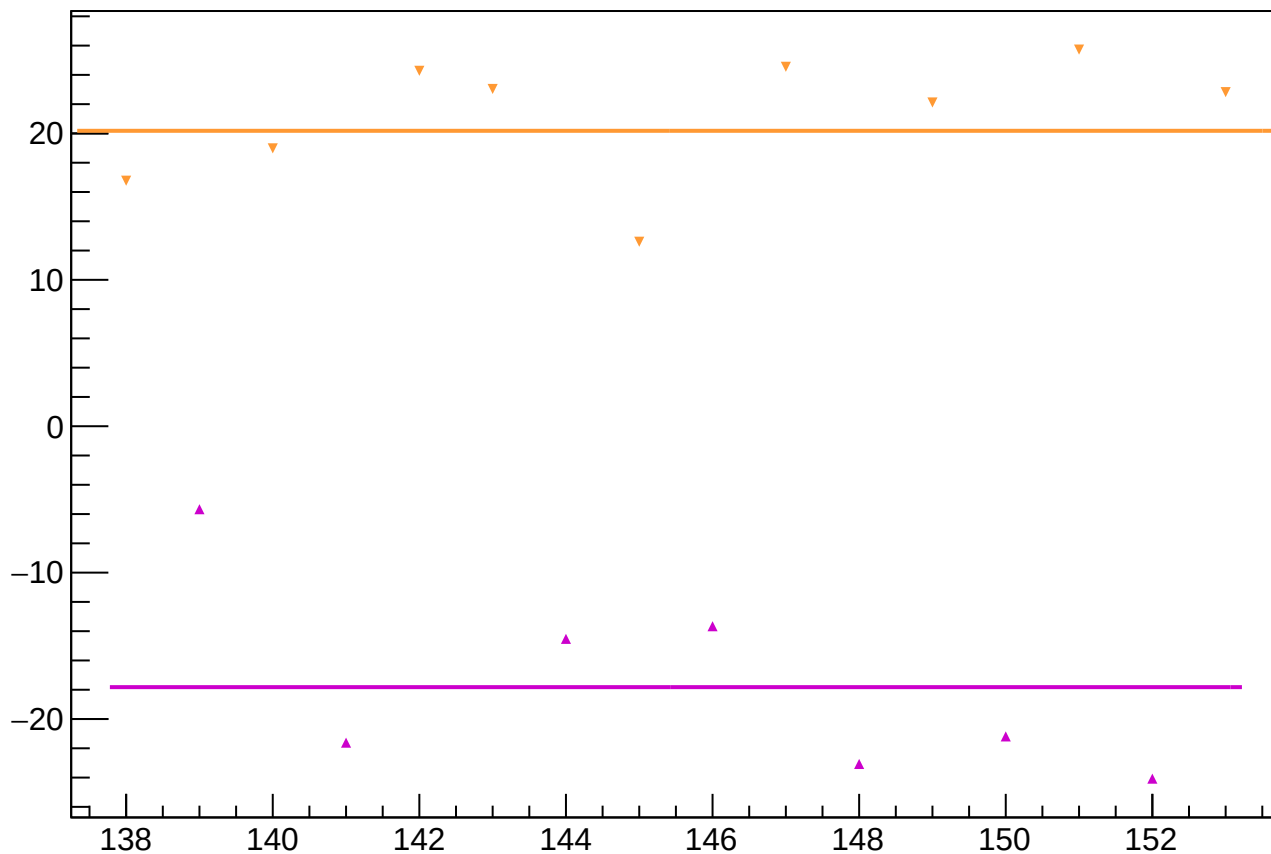
Left In: 8.071+/-0.050 χ^2/NDF : 1321.9/6

-6.795+/-0.051 χ^2/NDF : 2163.5/8

0.662+/-0.036 χ^2/NDF : 46904.9/15

8.071+/-0.050 χ^2/NDF : 1321.9/6

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: 20.180+/-0.043 χ^2/NDF : 12343.0/8

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

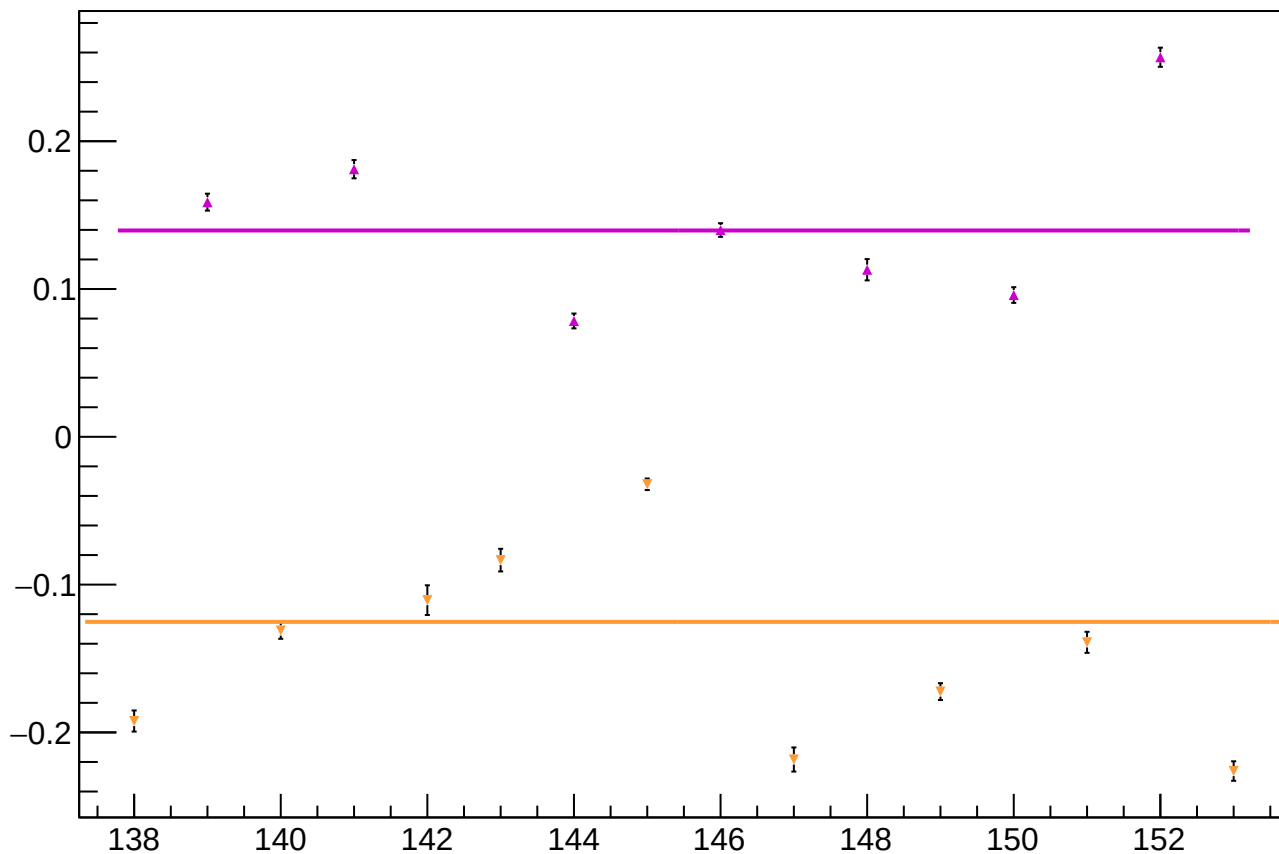
Left In: -17.822+/-0.043 χ^2/NDF : 11553.2/6

20.180+/-0.043 χ^2/NDF : 12343.0/8

1.322+/-0.030 χ^2/NDF : 418994.3/15

-17.822+/-0.043 χ^2/NDF : 11553.2/6

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: -0.125+/-0.002 χ^2/NDF : 1125.9/8

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

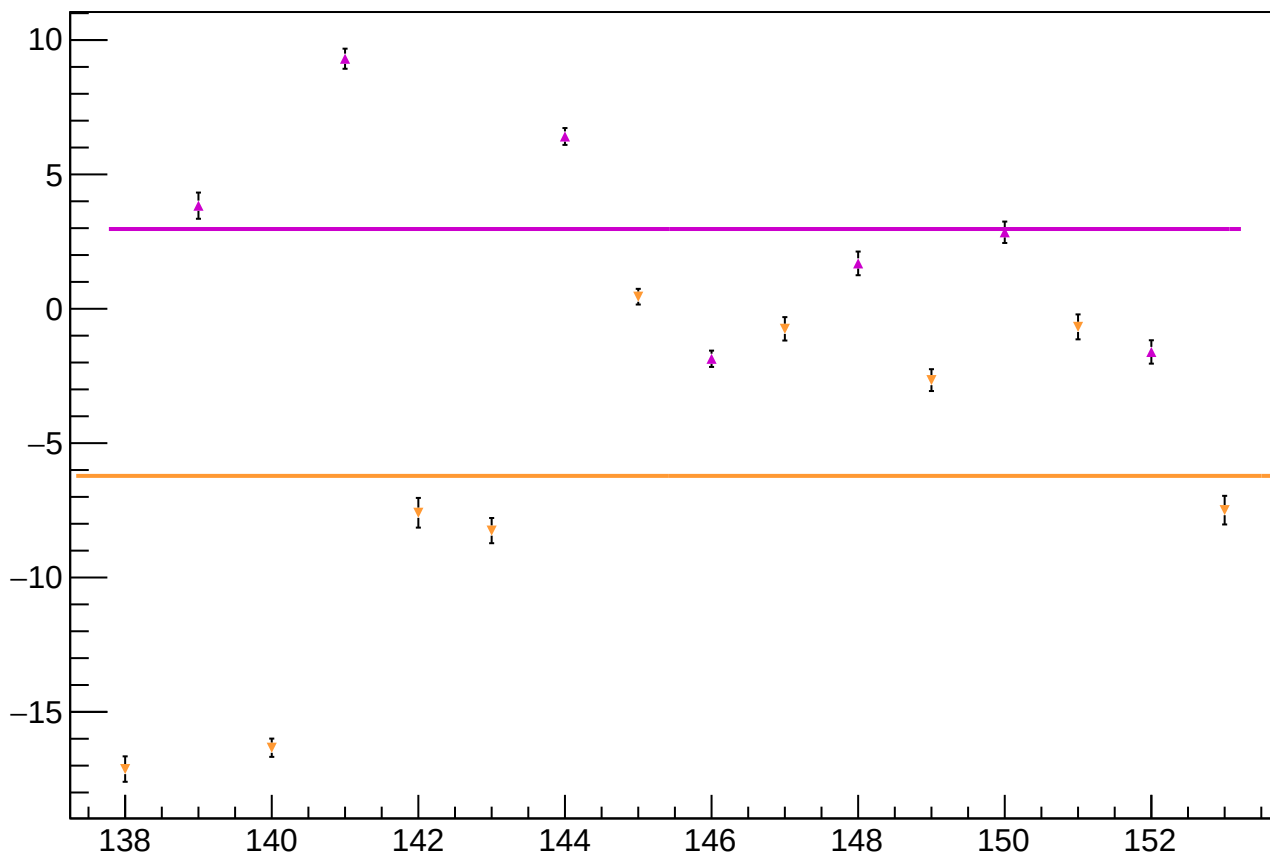
Left In: 0.140+/-0.002 χ^2/NDF : 613.4/6

-0.125+/-0.002 χ^2/NDF : 1125.9/8

0.004+/-0.001 χ^2/NDF : 9692.0/15

0.140+/-0.002 χ^2/NDF : 613.4/6

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: -6.218+/-0.138 χ^2/NDF : 2345.8/8

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

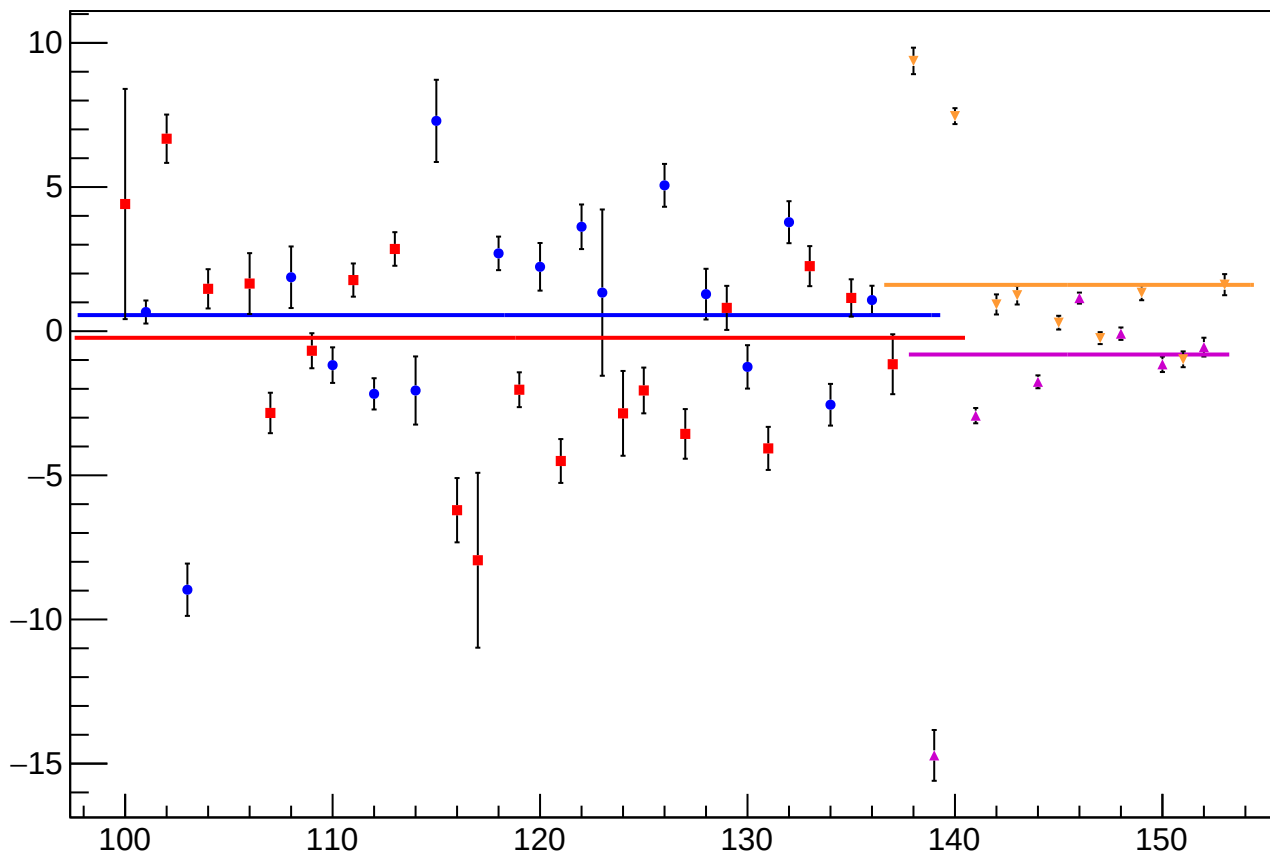
Left In: 2.968+/-0.143 χ^2/NDF : 783.4/6

-6.218+/-0.138 χ^2/NDF : 2345.8/8

-1.761+/-0.099 χ^2/NDF : 5264.4/15

2.968+/-0.143 χ^2/NDF : 783.4/6

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 $\pm$ 0.170 χ^2/NDF : 287.9/16

Left Out: 1.606 $\pm$ 0.094 χ^2/NDF : 939.6/8

Right Out: -0.230 $\pm$ 0.174 χ^2/NDF : 278.5/19

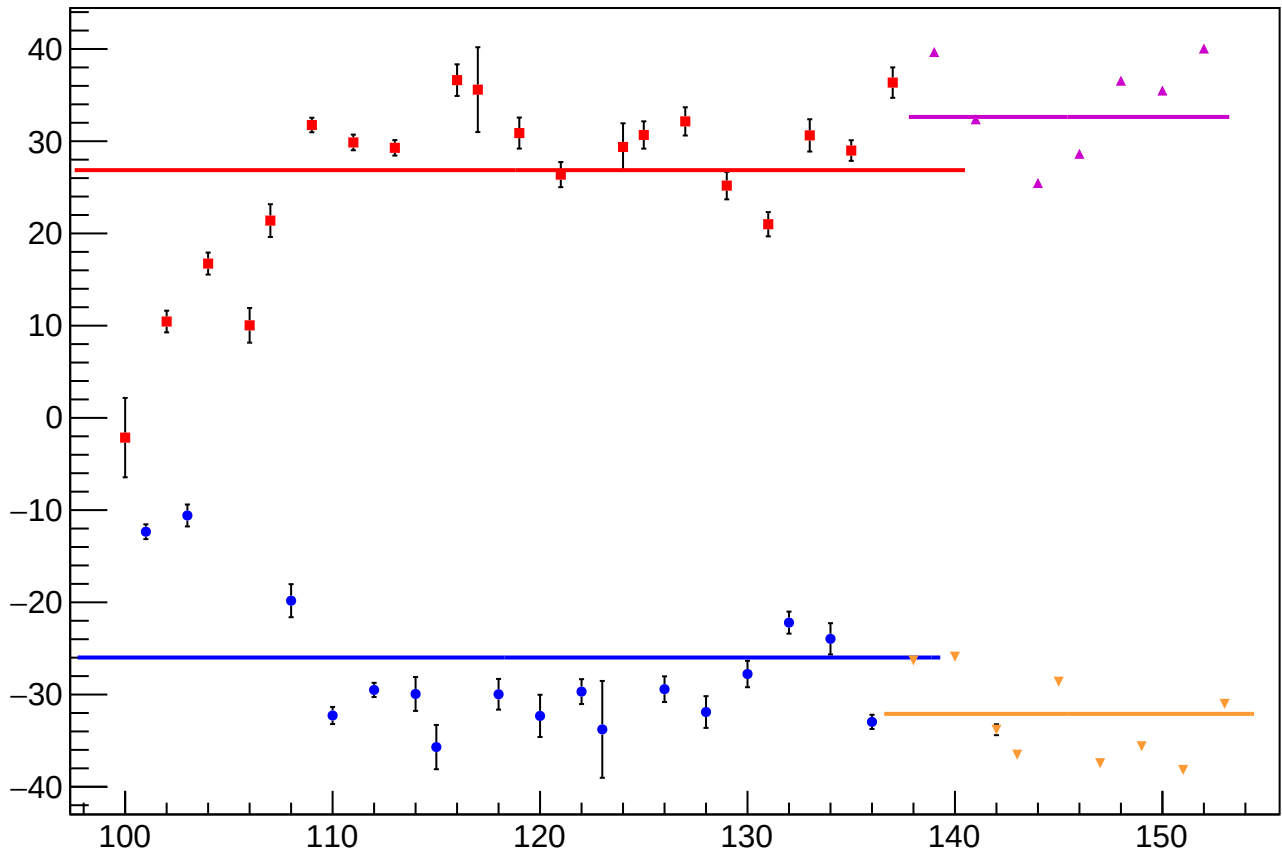
Left In: -0.809 $\pm$ 0.096 χ^2/NDF : 449.4/6

1.360 $\pm$ 0.083 χ^2/NDF : 1256.5/25

0.364 $\pm$ 0.059 χ^2/NDF : 2289.8/52

-0.674 $\pm$ 0.084 χ^2/NDF : 736.4/26

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -32.095 ± 0.140 χ^2/NDF : 1085.0/8

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

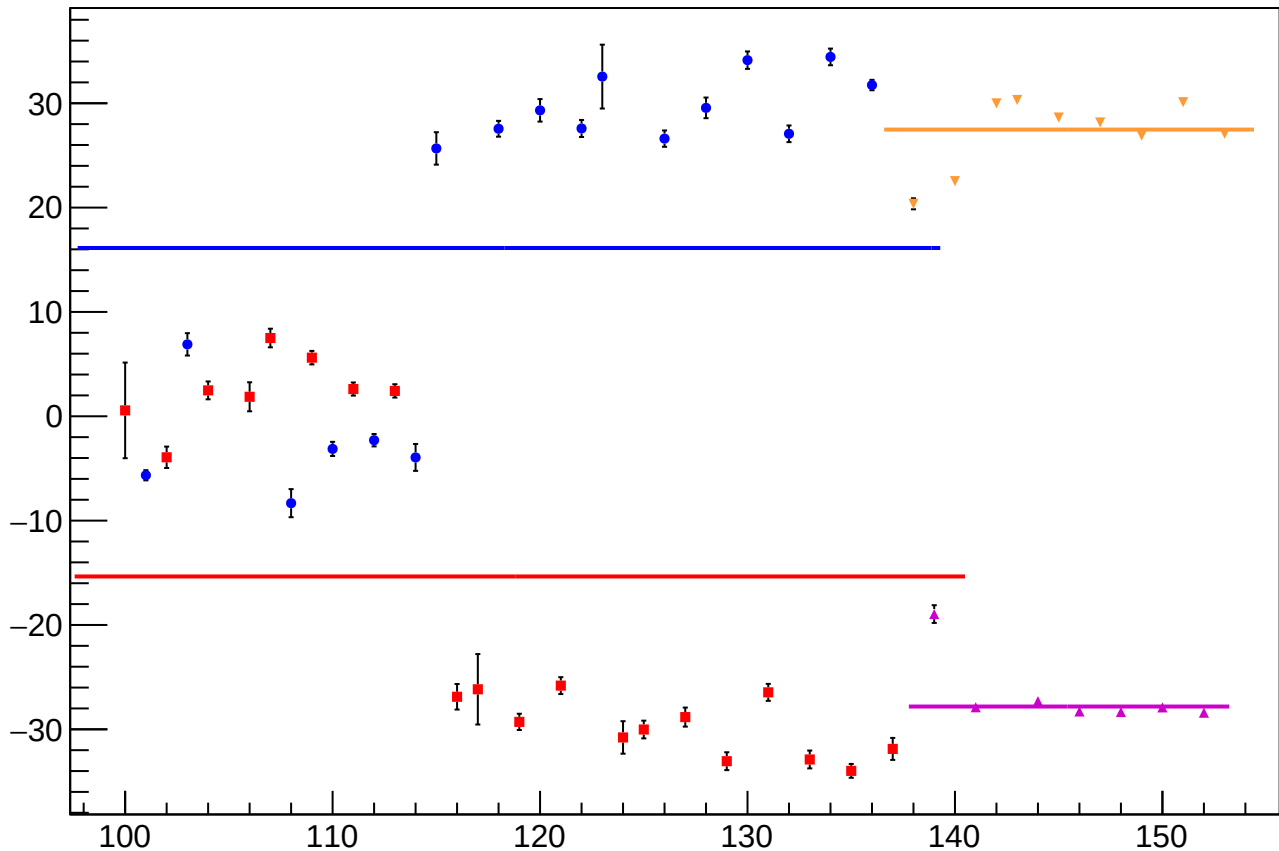
Left In: 32.631 ± 0.142 χ^2/NDF : 1287.7/6

-31.002 ± 0.127 χ^2/NDF : 2116.3/25

-0.036 ± 0.090 χ^2/NDF : 124287.4/52

31.554 ± 0.128 χ^2/NDF : 2179.8/26

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: 27.477+/-0.116 χ^2/NDF : 571.2/8

Right Out: -15.352+/-0.197 χ^2/NDF : 7288.4/19

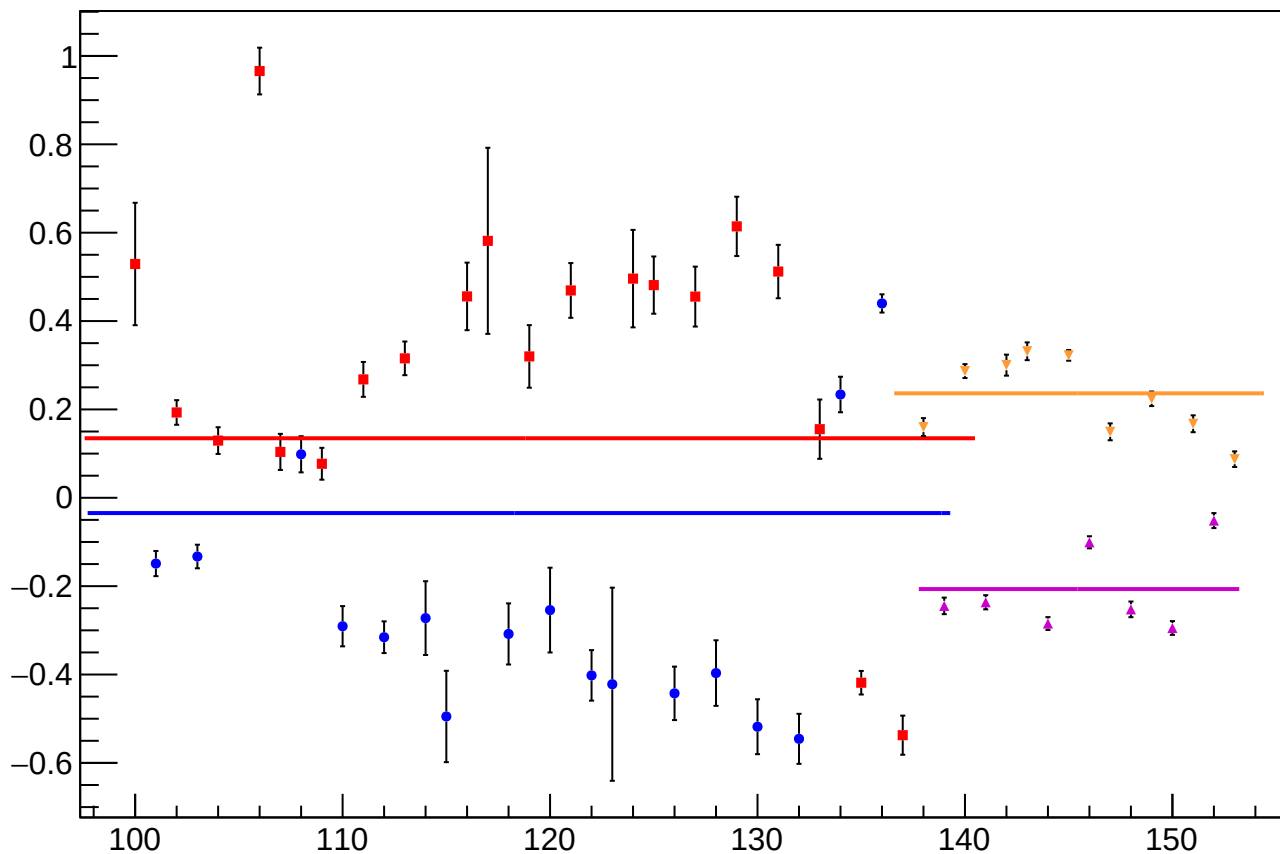
Left In: -27.817+/-0.119 χ^2/NDF : 122.3/6

24.443+/-0.099 χ^2/NDF : 10701.5/25

0.532+/-0.071 χ^2/NDF : 139708.2/52

-24.492+/-0.102 χ^2/NDF : 10355.8/26

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: 0.236 ± 0.006 χ^2/NDF : 209.6/8

Right Out: 0.135 ± 0.010 χ^2/NDF : 1166.4/19

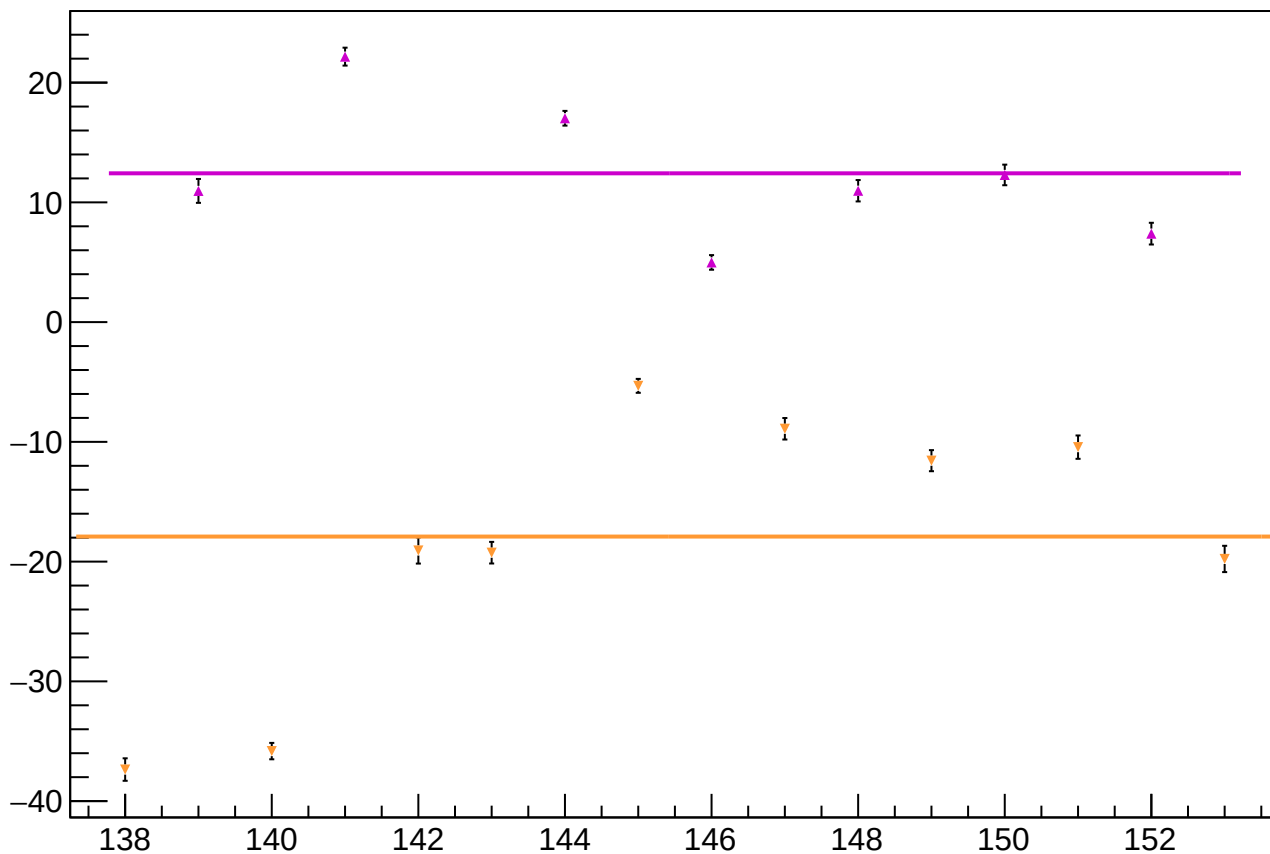
Left In: -0.207 ± 0.006 χ^2/NDF : 218.7/6

0.172 ± 0.005 χ^2/NDF : 1744.7/25

0.030 ± 0.004 χ^2/NDF : 5564.2/52

-0.120 ± 0.005 χ^2/NDF : 2196.2/26

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: -17.908+/-0.281 χ^2/NDF : 1799.1/8

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

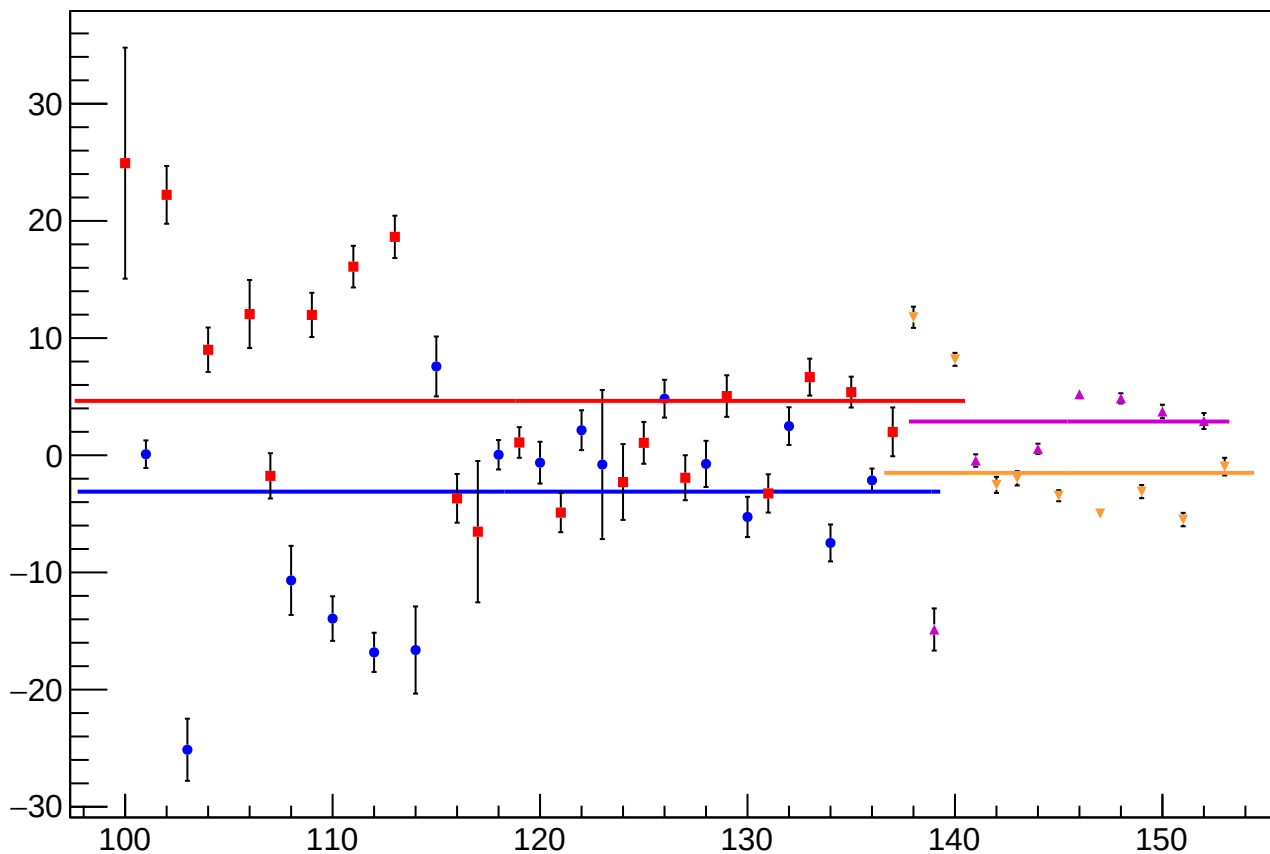
Left In: 12.425+/-0.289 χ^2/NDF : 409.6/6

-17.908+/-0.281 χ^2/NDF : 1799.1/8

-3.212+/-0.201 χ^2/NDF : 7870.6/15

12.425+/-0.289 χ^2/NDF : 409.6/6

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: -1.497 ± 0.192 χ^2/NDF : 662.0/8

Right Out: 4.645 ± 0.425 χ^2/NDF : 301.1/19

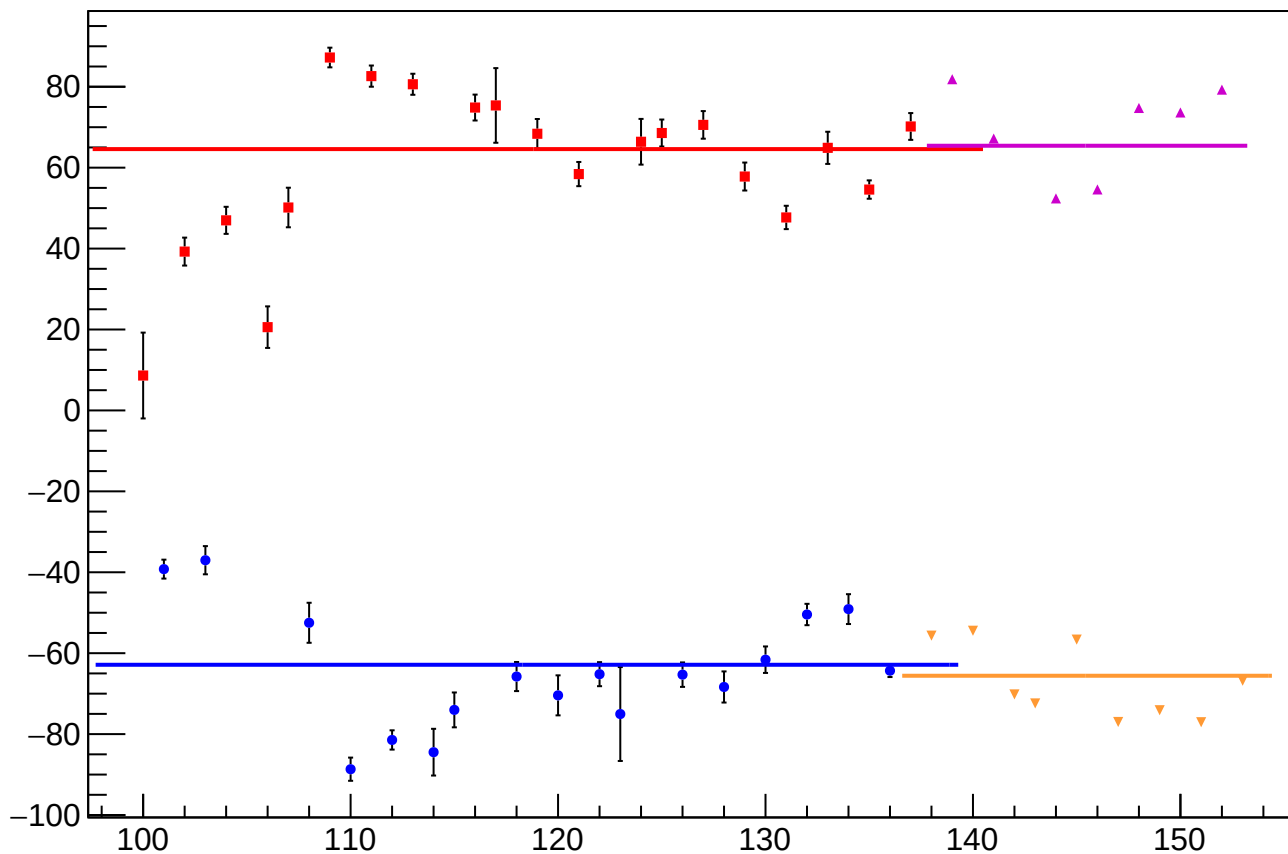
Left In: 2.879 ± 0.194 χ^2/NDF : 225.9/6

-1.785 ± 0.174 χ^2/NDF : 953.7/25

0.661 ± 0.124 χ^2/NDF : 1896.5/52

3.184 ± 0.177 χ^2/NDF : 541.2/26

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: -65.575 ± 0.285 χ^2/NDF : 1049.1/8

Right Out: 64.588 ± 0.749 χ^2/NDF : 445.6/19

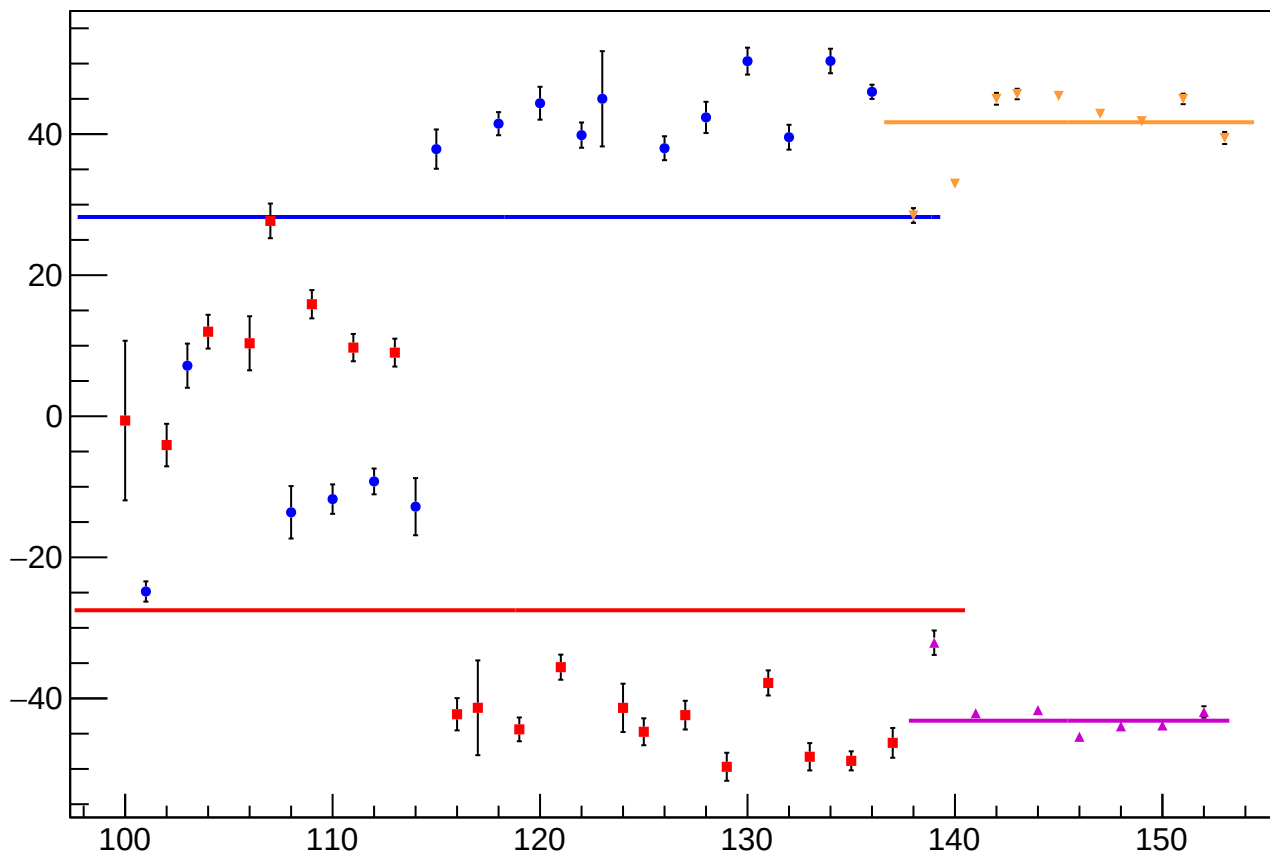
Left In: 65.417 ± 0.289 χ^2/NDF : 1450.1/6

-65.225 ± 0.266 χ^2/NDF : 1429.5/25

-0.872 ± 0.190 χ^2/NDF : 121906.8/52

65.310 ± 0.270 χ^2/NDF : 1896.8/26

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: 41.683+/-0.236 χ^2/NDF : 450.1/8

Right Out: -27.505+/-0.478 χ^2/NDF : 3036.7/19

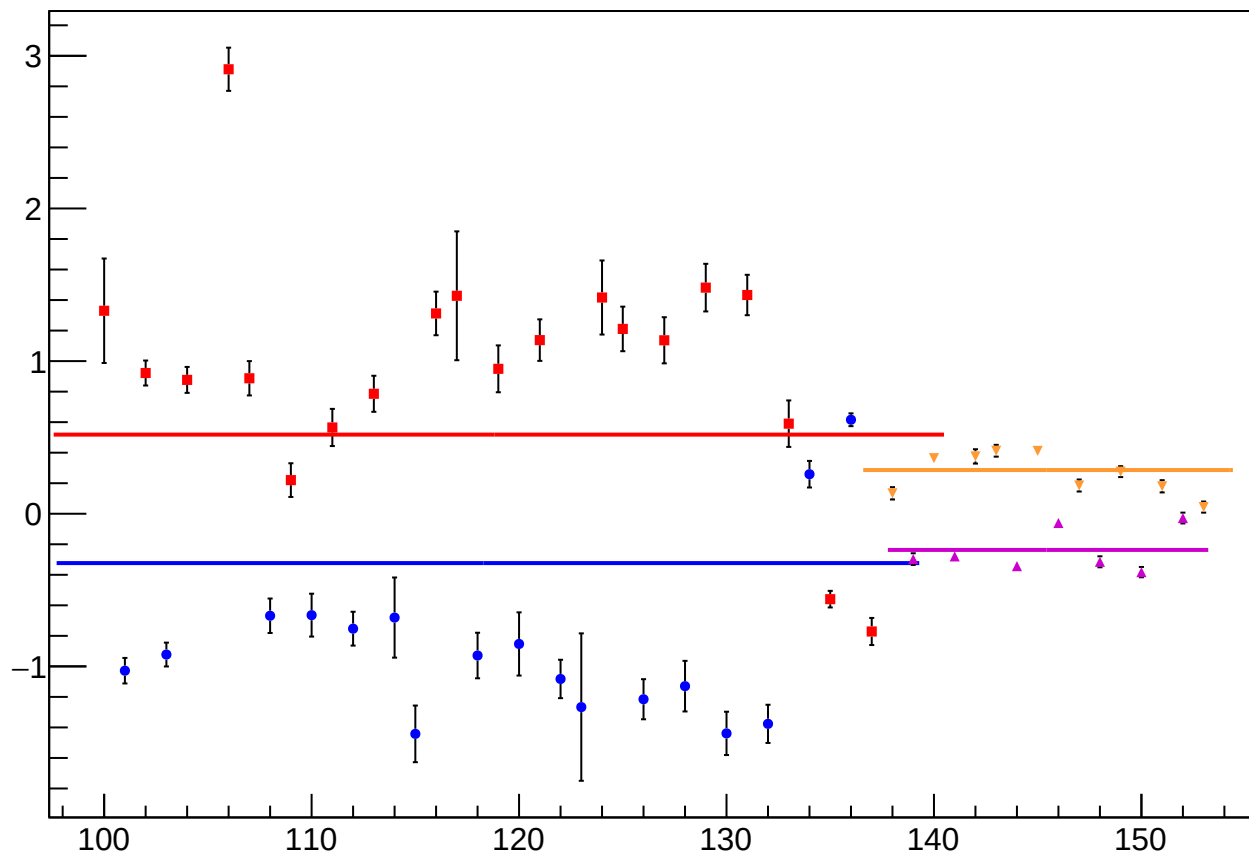
Left In: -43.159+/-0.240 χ^2/NDF : 79.9/6

38.889+/-0.210 χ^2/NDF : 4444.7/25

0.298+/-0.150 χ^2/NDF : 77557.6/52

-40.003+/-0.214 χ^2/NDF : 3974.4/26

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.286 ± 0.012 χ^2/NDF : 119.4/8

Right Out: 0.518 ± 0.026 χ^2/NDF : 1165.5/19

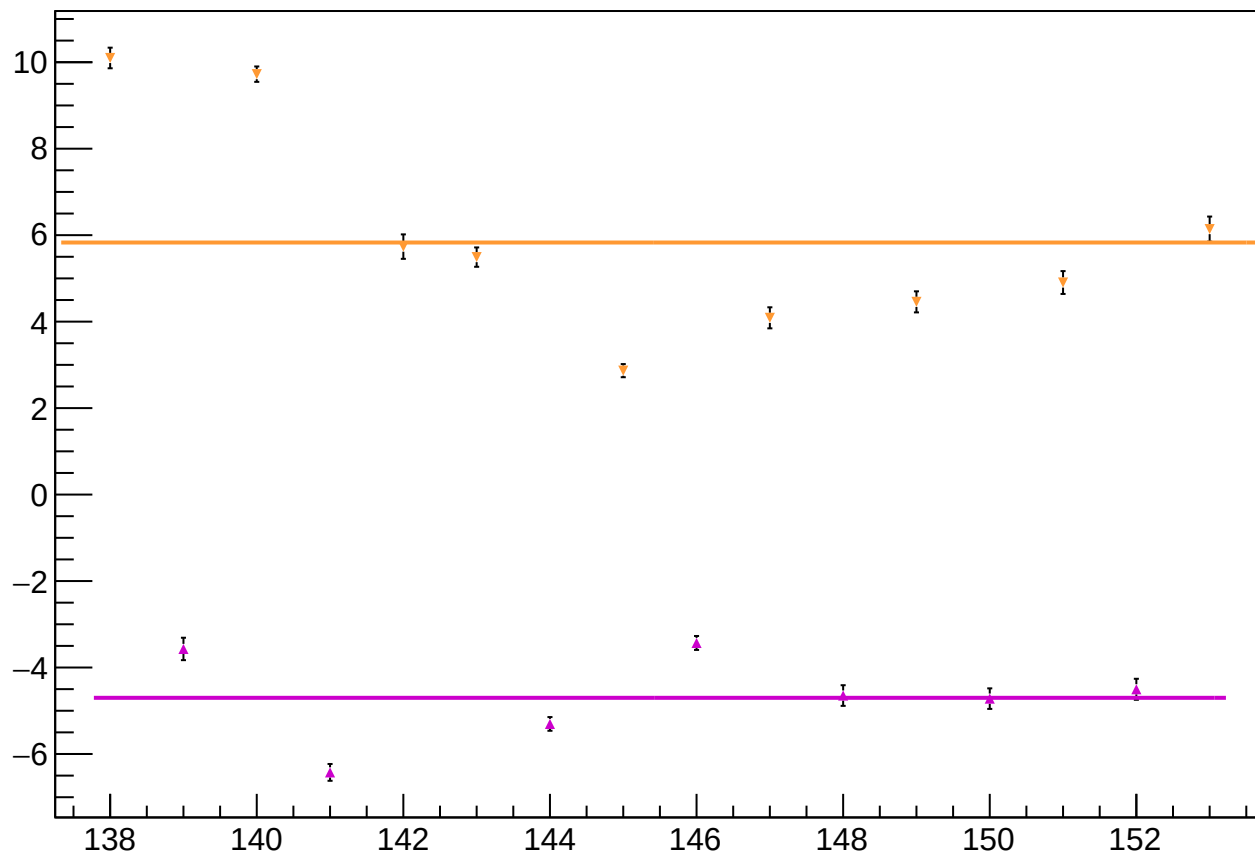
Left In: -0.237 ± 0.012 χ^2/NDF : 117.7/6

0.176 ± 0.011 χ^2/NDF : 1618.5/25

0.044 ± 0.008 χ^2/NDF : 3921.7/52

-0.097 ± 0.011 χ^2/NDF : 1987.0/26

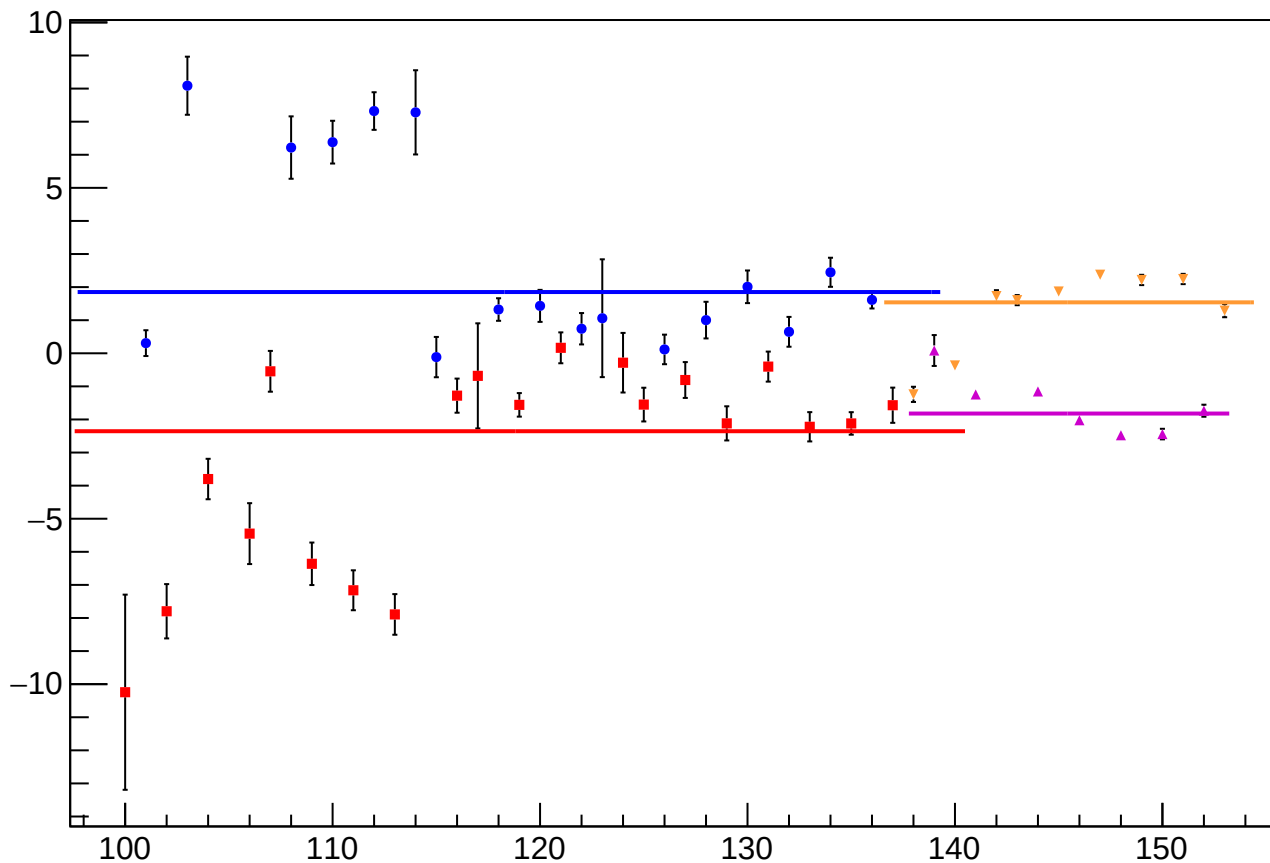
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.830+/-0.074 χ^2/NDF :1277.3/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.701+/-0.076 χ^2/NDF :174.9/6

5.830+/-0.074 χ^2/NDF : 1277.3/8
 0.756+/-0.053 χ^2/NDF : 11324.6/15
 -4.701+/-0.076 χ^2/NDF : 174.9/6

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: 1.539 ± 0.051 χ^2/NDF : 423.5/8

Right Out: -2.355 ± 0.122 χ^2/NDF : 337.4/19

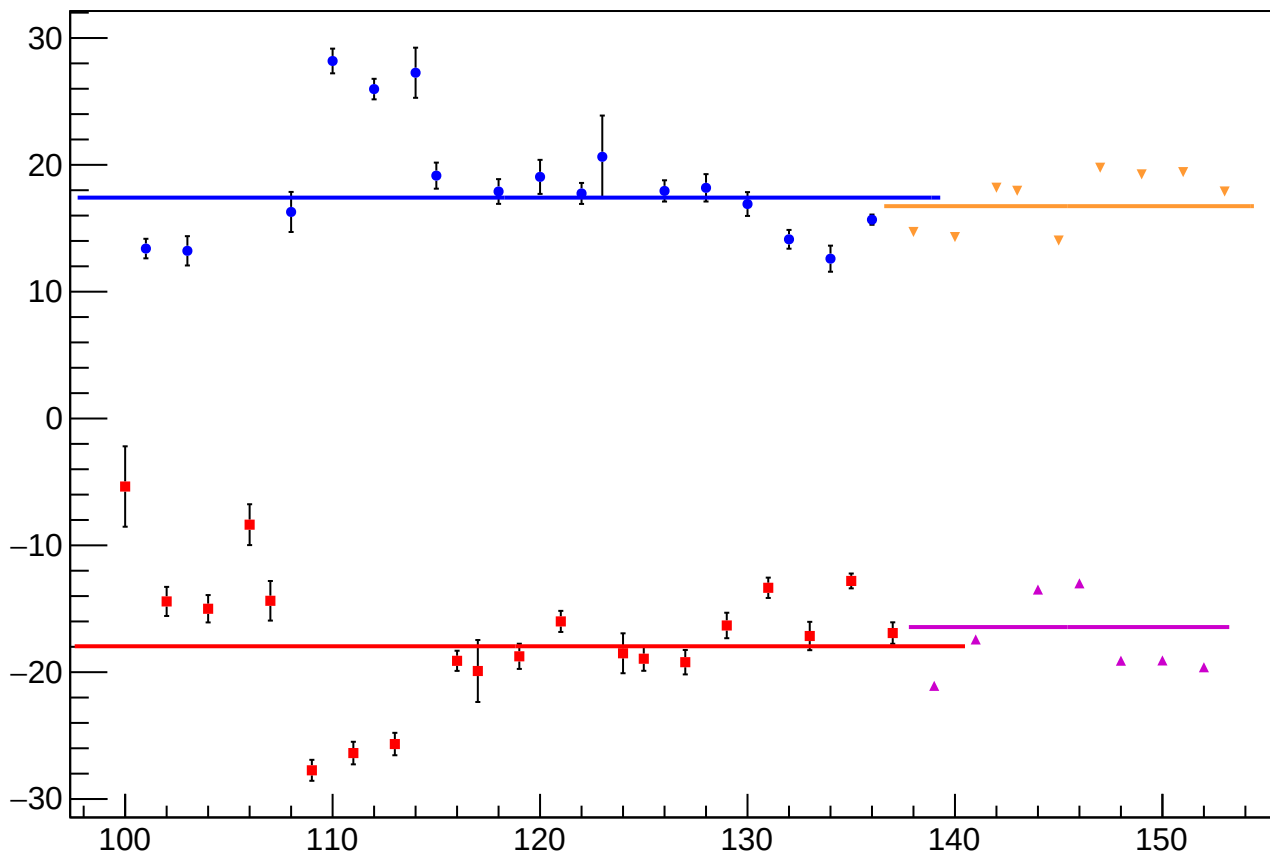
Left In: -1.821 ± 0.051 χ^2/NDF : 120.7/6

1.588 ± 0.046 χ^2/NDF : 723.6/25

-0.132 ± 0.033 χ^2/NDF : 3978.6/52

-1.901 ± 0.047 χ^2/NDF : 474.3/26

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: 16.743 $\pm$ 0.075 χ^2/NDF : 986.9/8

Right Out: -17.957 $\pm$ 0.218 χ^2/NDF : 506.2/19

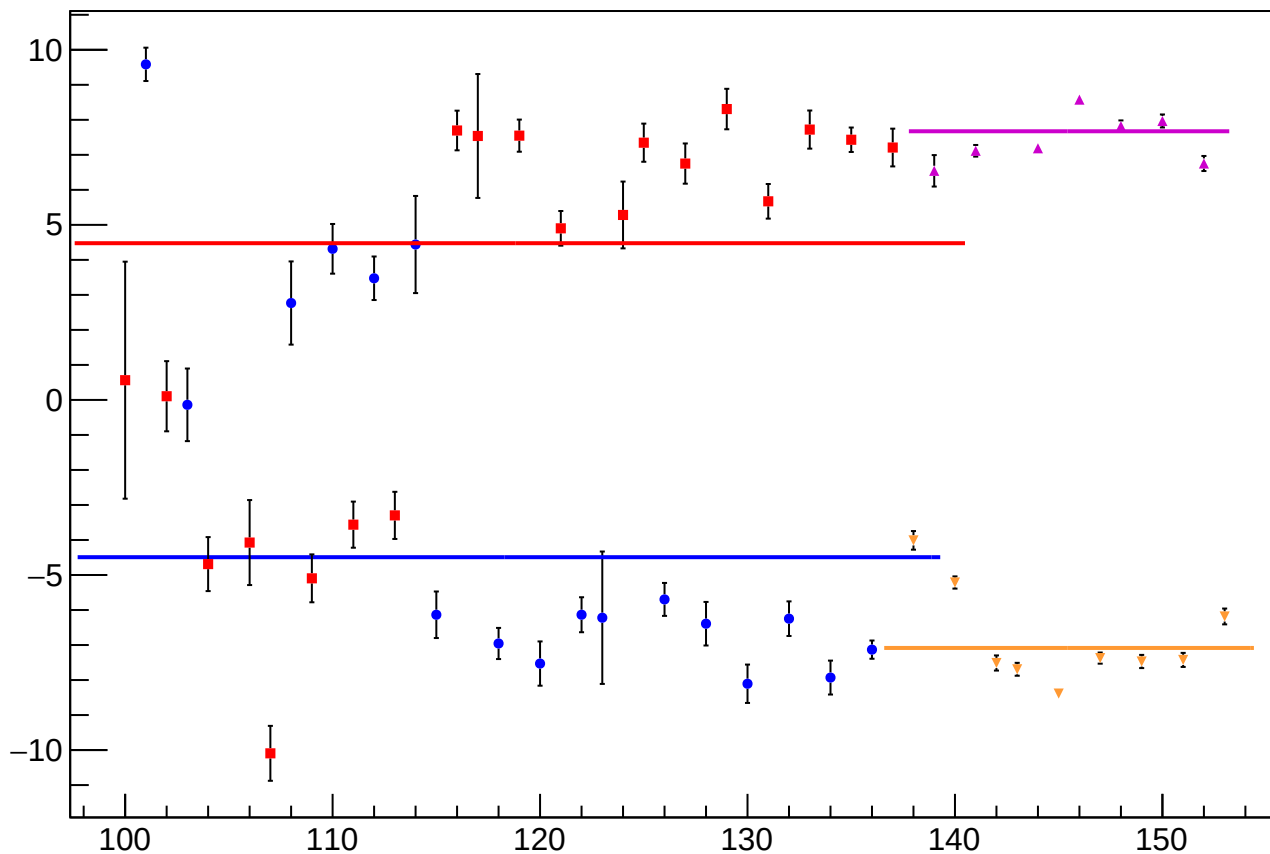
Left In: -16.442 $\pm$ 0.076 χ^2/NDF : 1561.4/6

16.817 $\pm$ 0.071 χ^2/NDF : 1362.9/25

0.423 $\pm$ 0.051 χ^2/NDF : 112913.0/52

-16.608 $\pm$ 0.072 χ^2/NDF : 2110.5/26

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -7.084 ± 0.062 χ^2/NDF : 373.9/8

Right Out: 4.476 ± 0.137 χ^2/NDF : 1342.0/19

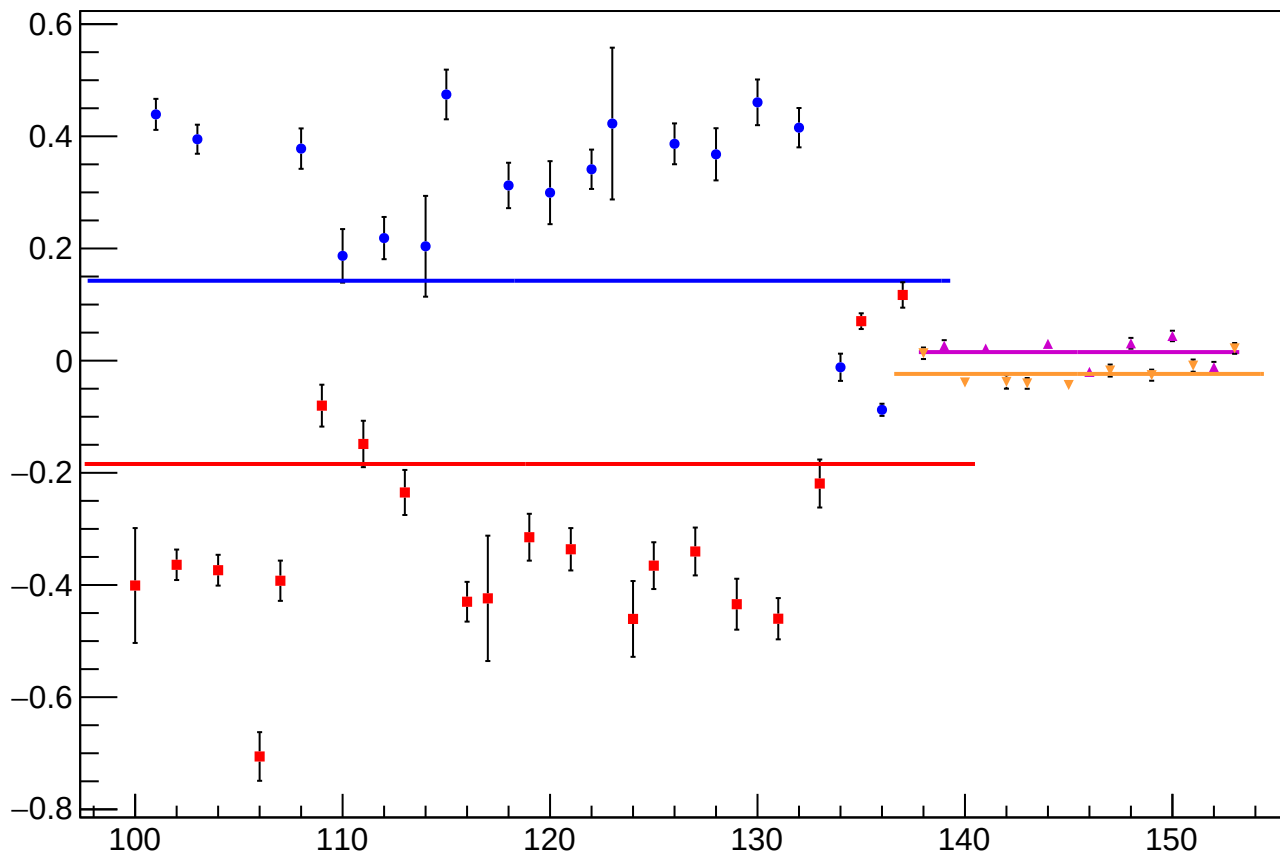
Left In: 7.673 ± 0.063 χ^2/NDF : 105.3/6

-6.605 ± 0.056 χ^2/NDF : 2281.3/25

0.092 ± 0.040 χ^2/NDF : 33413.3/52

7.109 ± 0.057 χ^2/NDF : 1898.3/26

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.024 ± 0.003 χ^2/NDF : 55.0/8

Right Out: -0.184 ± 0.007 χ^2/NDF : 1005.5/19

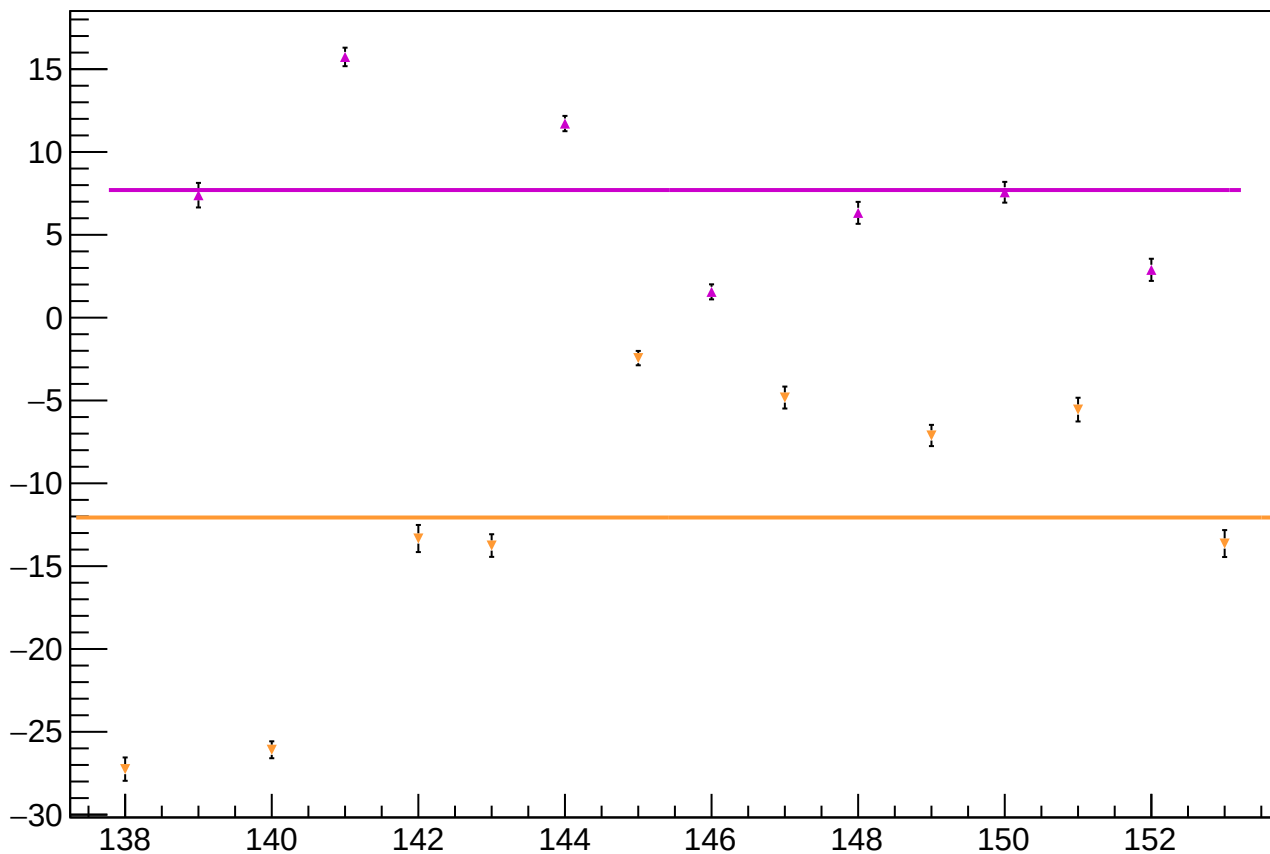
Left In: 0.015 ± 0.003 χ^2/NDF : 50.1/6

0.003 ± 0.003 χ^2/NDF : 1577.4/25

-0.006 ± 0.002 χ^2/NDF : 3267.7/52

-0.017 ± 0.003 χ^2/NDF : 1667.1/26

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: -12.063+/-0.209 χ^2/NDF :1983.9/8

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

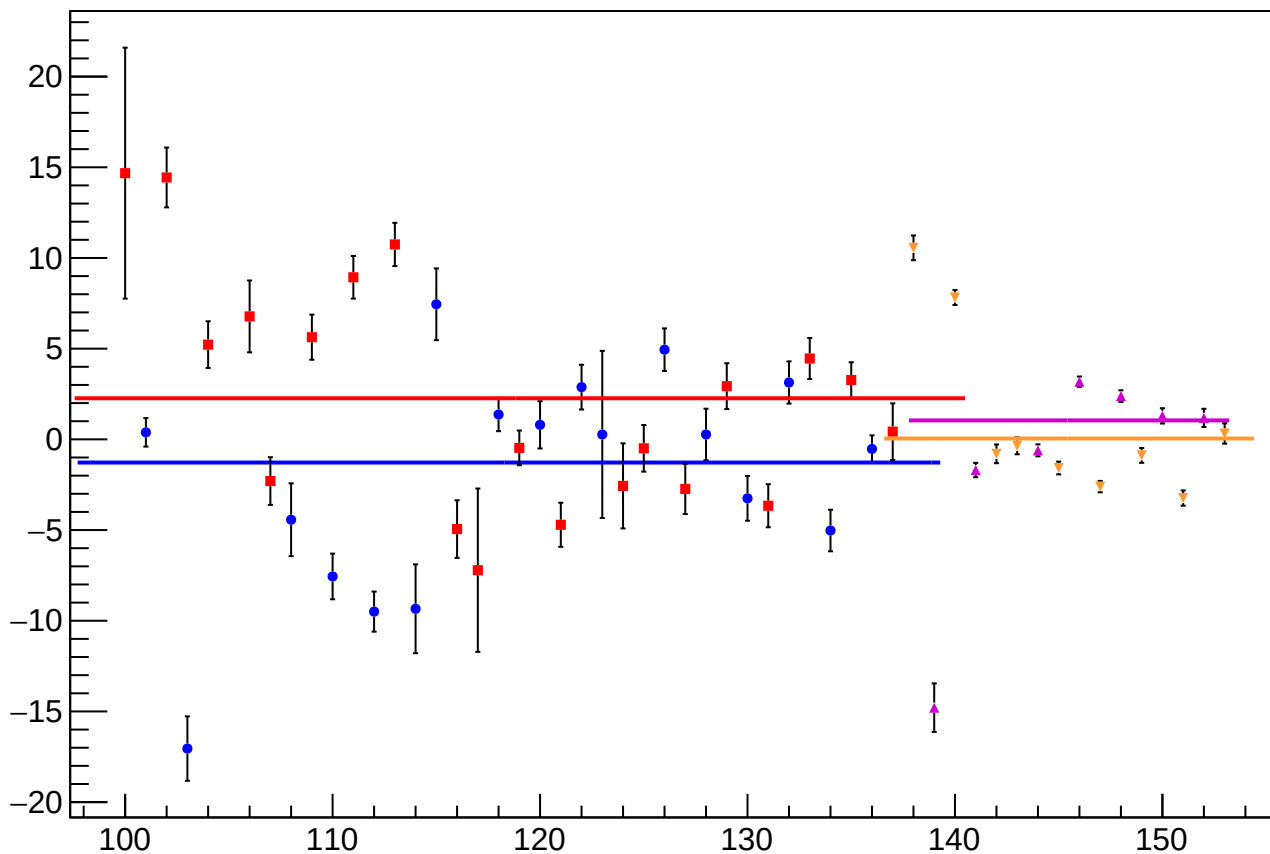
Left In: 7.703+/-0.215 χ^2/NDF :521.8/6

-12.063+/-0.209 χ^2/NDF : 1983.9/8

-2.479+/-0.150 χ^2/NDF : 6856.3/15

7.703+/-0.215 χ^2/NDF : 521.8/6

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: 0.048 ± 0.143 χ^2/NDF : 752.2/8

Right Out: 2.266 ± 0.302 χ^2/NDF : 289.8/19

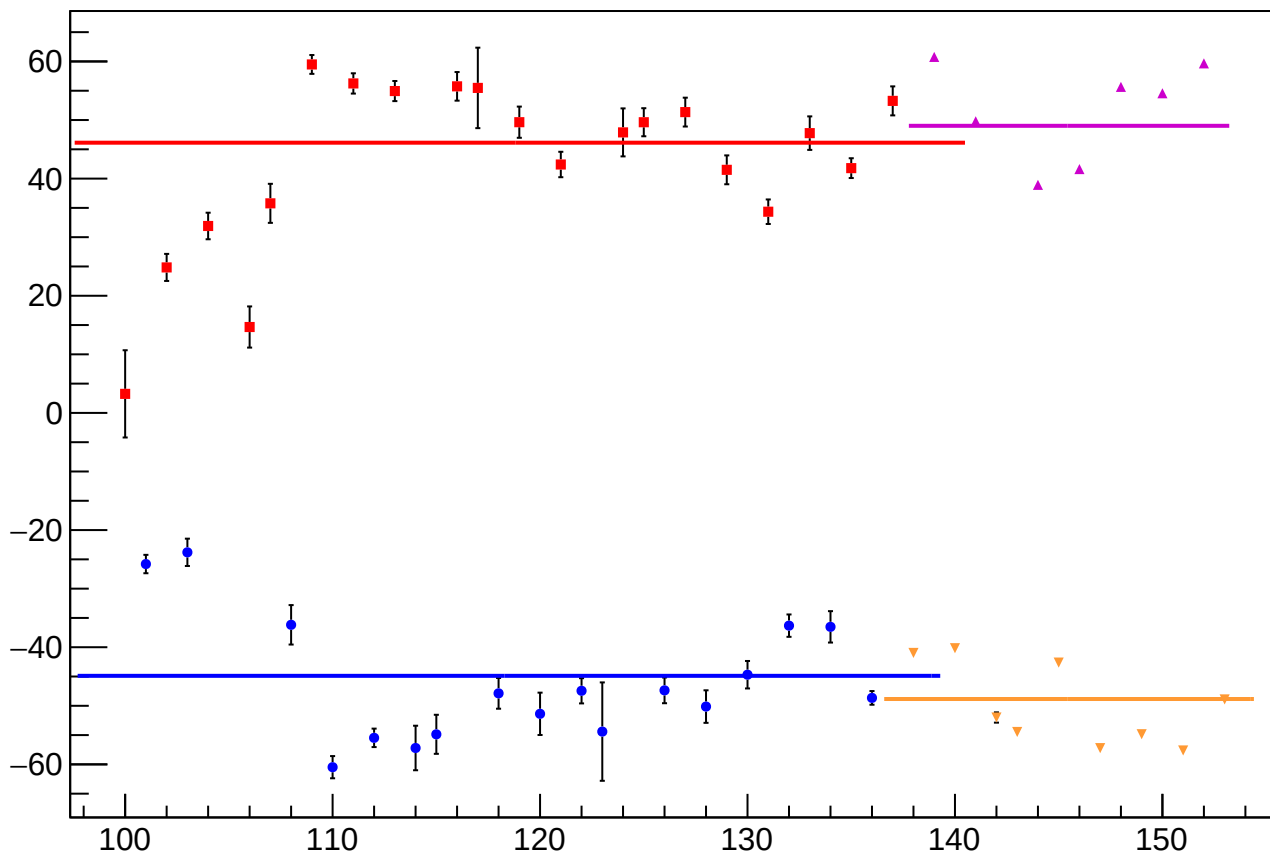
Left In: 1.045 ± 0.145 χ^2/NDF : 287.5/6

-0.207 ± 0.128 χ^2/NDF : 1045.3/25

0.520 ± 0.091 χ^2/NDF : 1701.4/52

1.273 ± 0.130 χ^2/NDF : 590.6/26

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: -48.840 ± 0.212 χ^2/NDF : 1064.1/8

Right Out: 46.130 ± 0.527 χ^2/NDF : 456.1/19

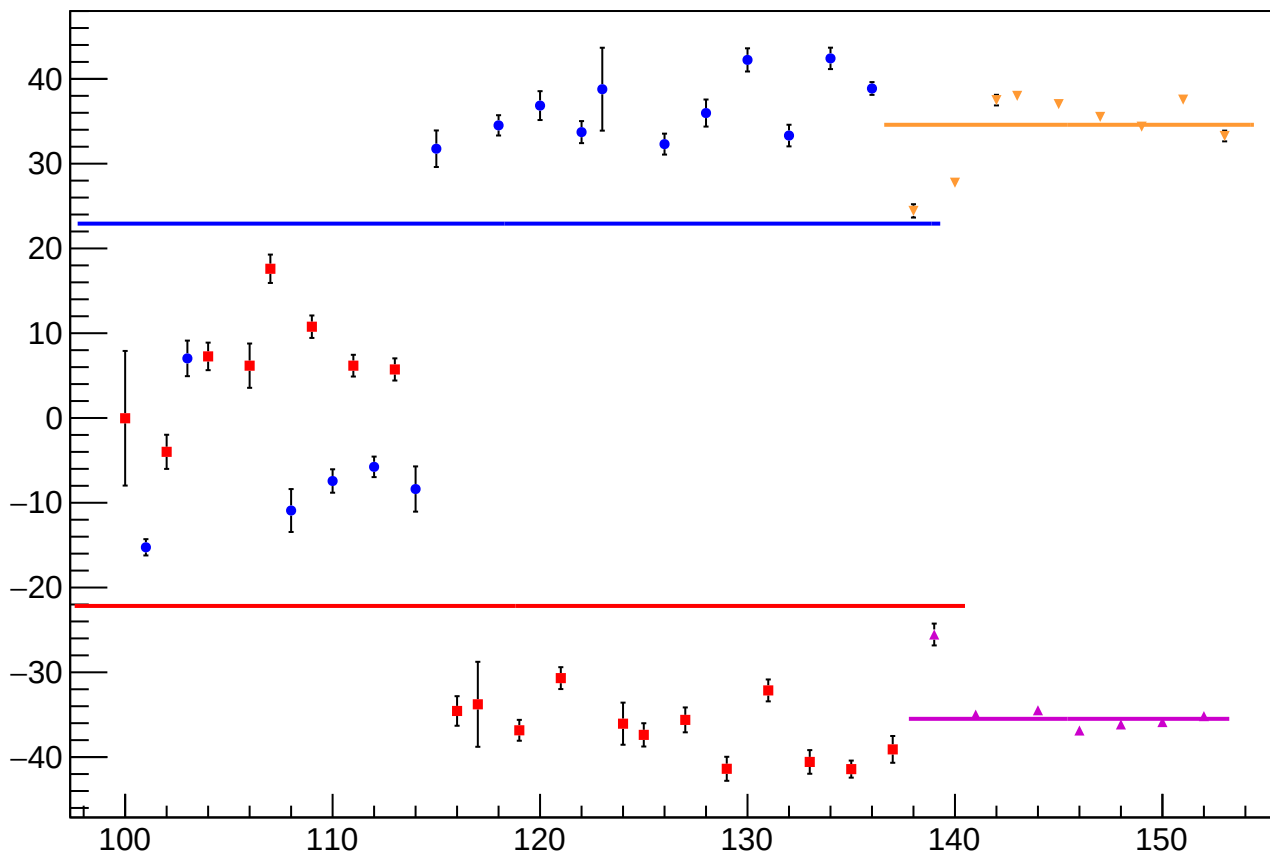
Left In: 49.013 ± 0.215 χ^2/NDF : 1399.8/6

-48.285 ± 0.196 χ^2/NDF : 1534.0/25

-0.462 ± 0.140 χ^2/NDF : 123514.8/52

48.602 ± 0.199 χ^2/NDF : 1881.6/26

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: 34.586+/-0.175 χ^2/NDF : 485.7/8

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

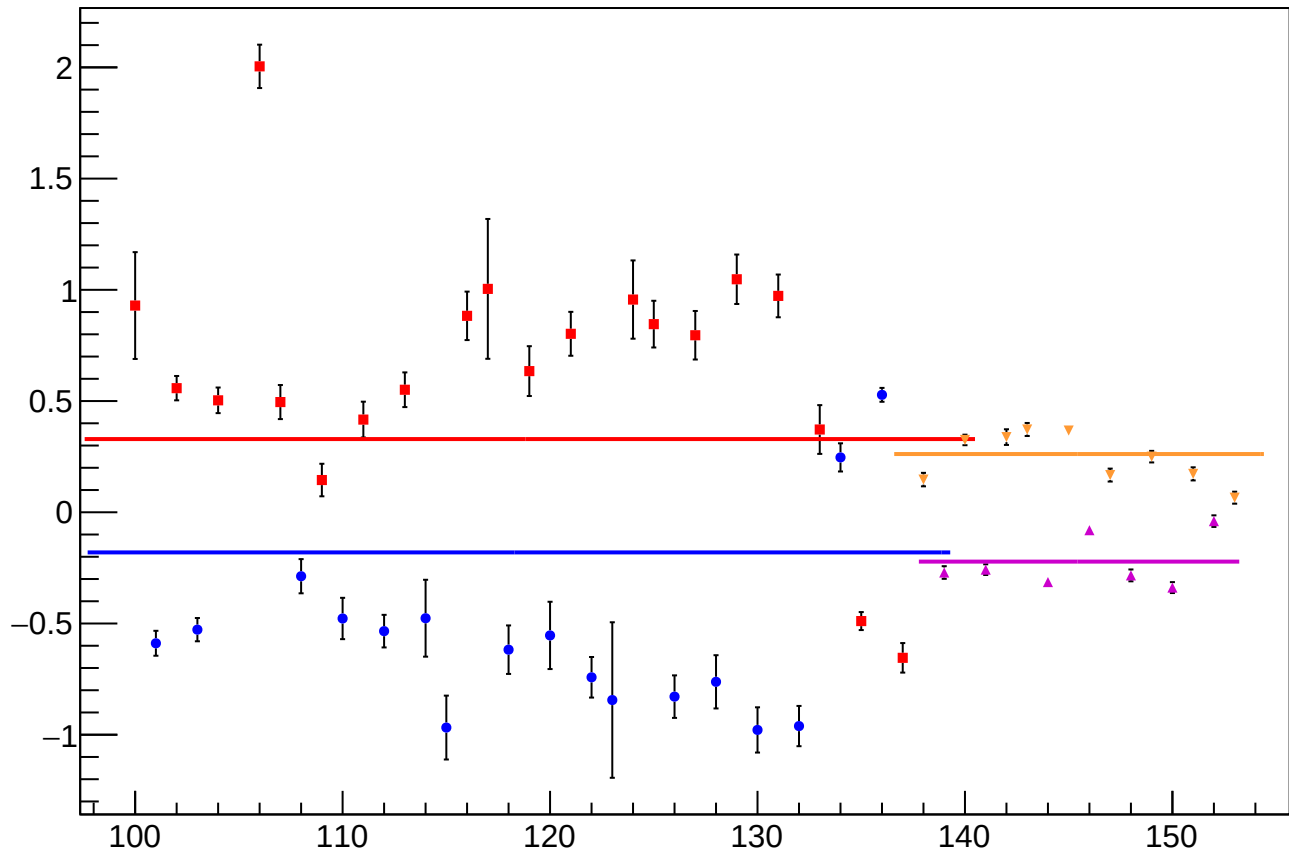
Left In: -35.487+/-0.178 χ^2/NDF : 85.4/6

31.999+/-0.155 χ^2/NDF : 5798.8/25

0.409+/-0.110 χ^2/NDF : 96606.7/52

-32.600+/-0.158 χ^2/NDF : 5331.5/26

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: 0.262 ± 0.009 χ^2/NDF : 147.4/8

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

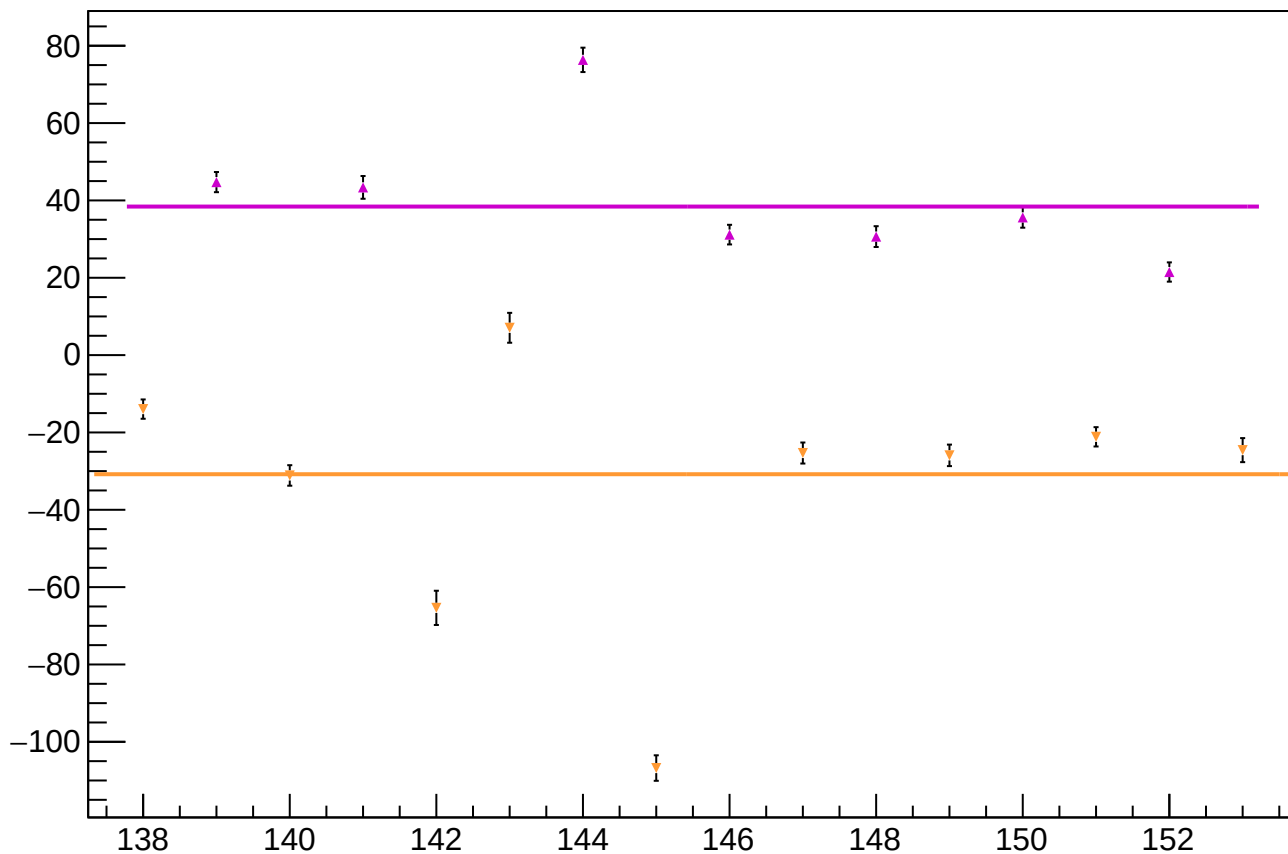
Left In: -0.222 ± 0.009 χ^2/NDF : 148.2/6

0.176 ± 0.008 χ^2/NDF : 1641.9/25

0.037 ± 0.006 χ^2/NDF : 4351.3/52

-0.111 ± 0.008 χ^2/NDF : 2063.6/26

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -30.802+/-0.980 χ^2/NDF : 759.8/8

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

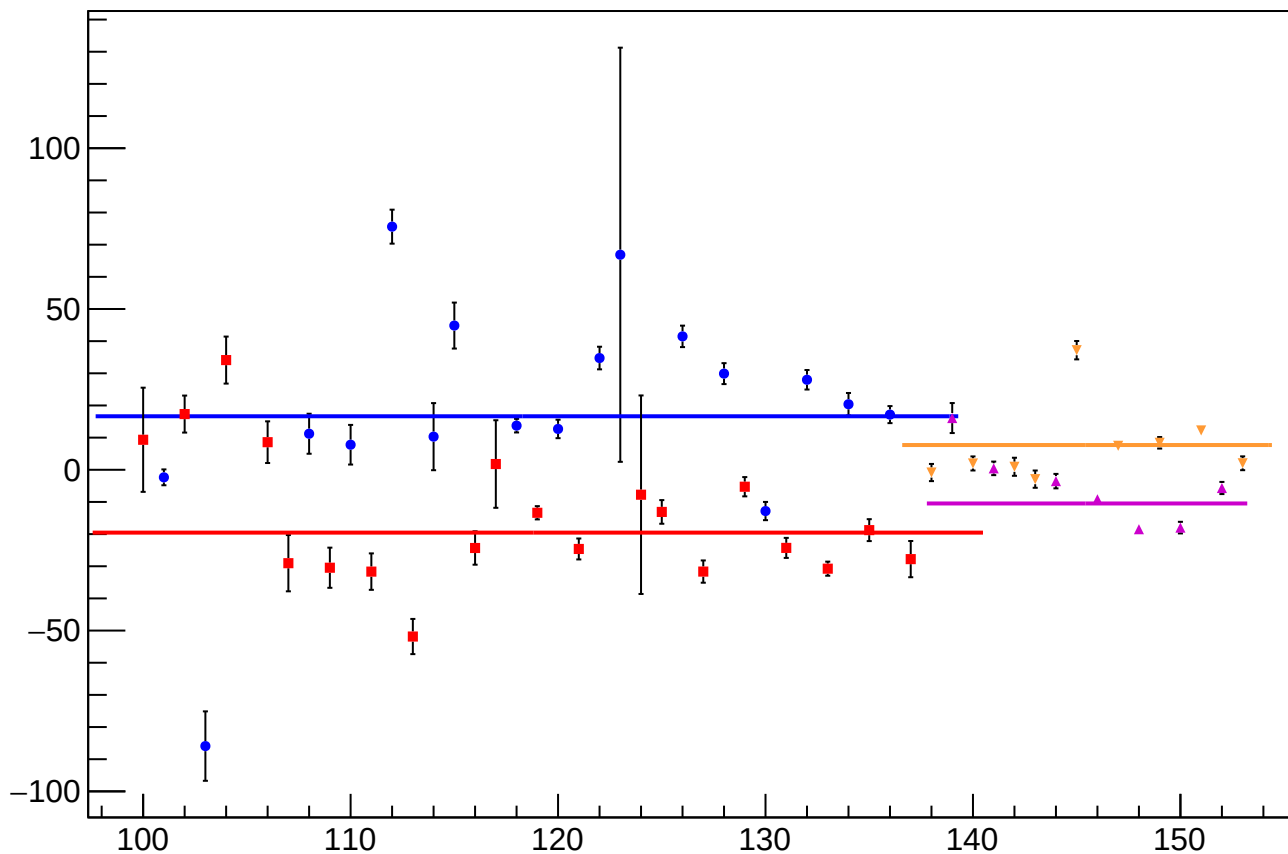
Left In: 38.413+/-1.021 χ^2/NDF : 217.3/6

-30.802+/-0.980 χ^2/NDF : 759.8/8

2.381+/-0.707 χ^2/NDF : 3367.7/15

38.413+/-1.021 χ^2/NDF : 217.3/6

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 7.697 ± 0.650 $\chi^2/\text{NDF}: 162.4/8$

Right Out: -19.540 ± 0.894 $\chi^2/\text{NDF}: 244.1/19$

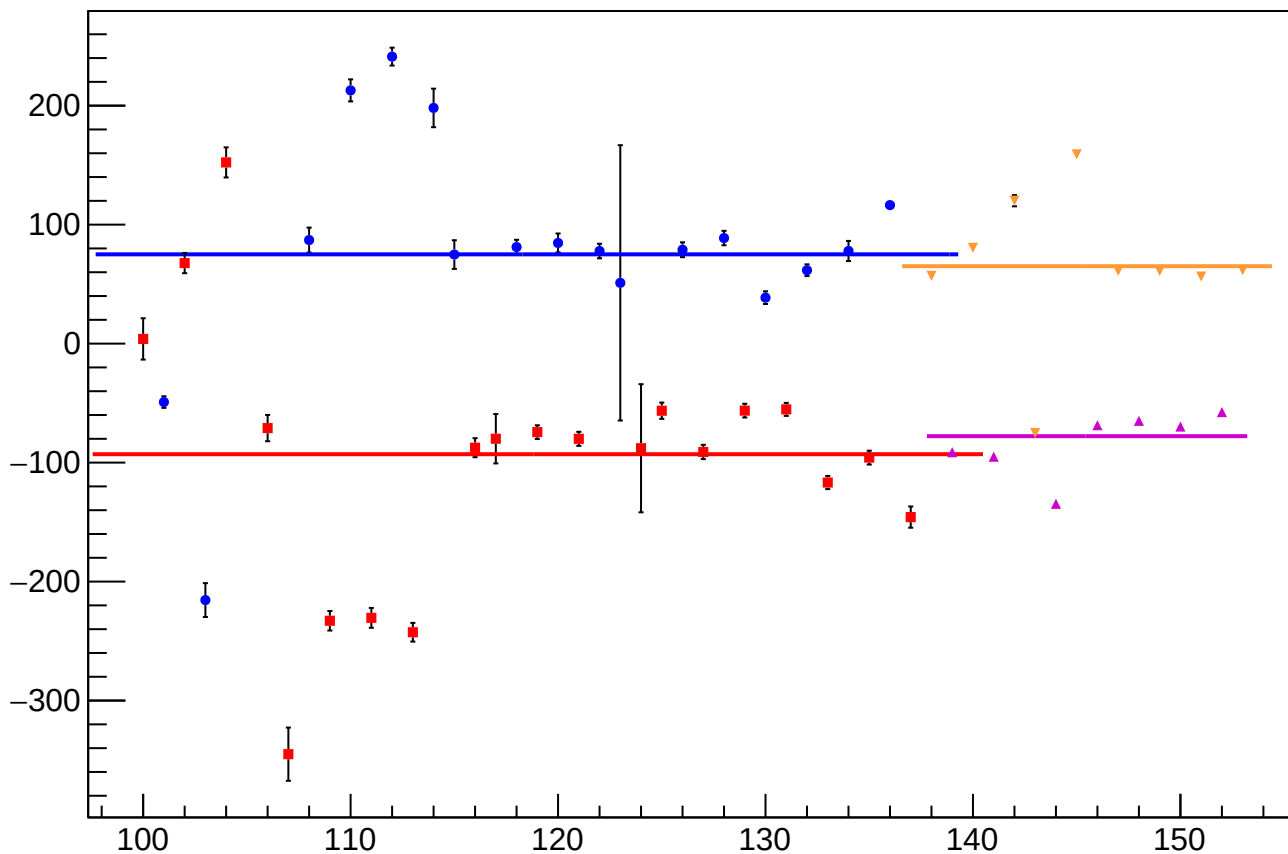
Left In: -10.474 ± 0.690 $\chi^2/\text{NDF}: 130.9/6$

10.956 ± 0.518 $\chi^2/\text{NDF}: 750.3/25$

-0.796 ± 0.376 $\chi^2/\text{NDF}: 2275.1/52$

-13.860 ± 0.547 $\chi^2/\text{NDF}: 439.4/26$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 65.051 ± 0.977 χ^2/NDF : 2101.7/8

Right Out: -92.940 ± 1.706 χ^2/NDF : 2004.0/19

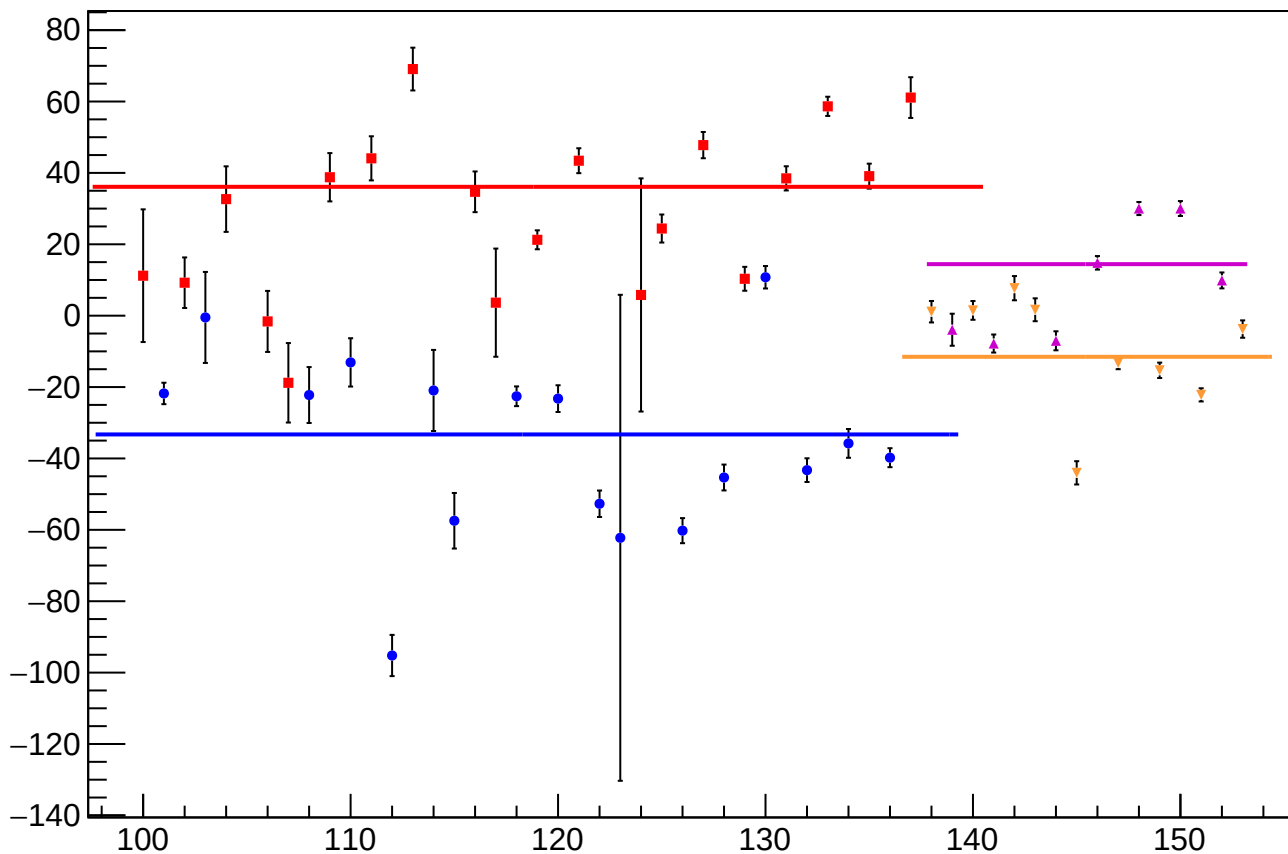
Left In: -77.788 ± 1.011 χ^2/NDF : 460.3/6

67.649 ± 0.840 χ^2/NDF : 4128.6/25

-4.458 ± 0.604 χ^2/NDF : 21914.3/52

-81.727 ± 0.870 χ^2/NDF : 2522.7/26

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -11.523 ± 0.809 χ^2/NDF : 238.1/8

Right Out: 36.103 ± 1.022 χ^2/NDF : 302.3/19

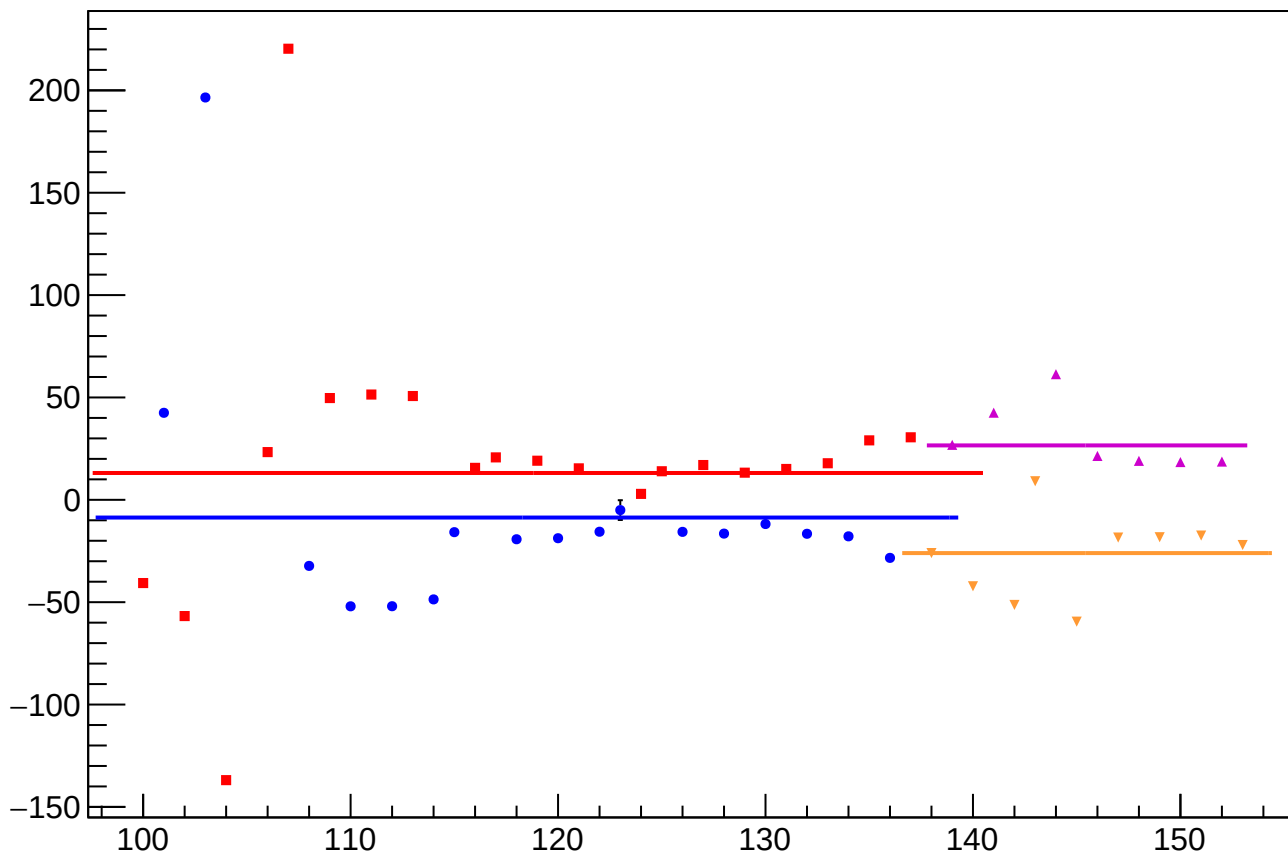
Left In: 14.436 ± 0.860 χ^2/NDF : 291.5/6

-20.318 ± 0.624 χ^2/NDF : 1019.7/25

0.414 ± 0.453 χ^2/NDF : 4202.1/52

23.417 ± 0.658 χ^2/NDF : 857.1/26

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -26.016 ± 0.040 $\chi^2/\text{NDF}: 158833.4/8$

Right Out: 13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

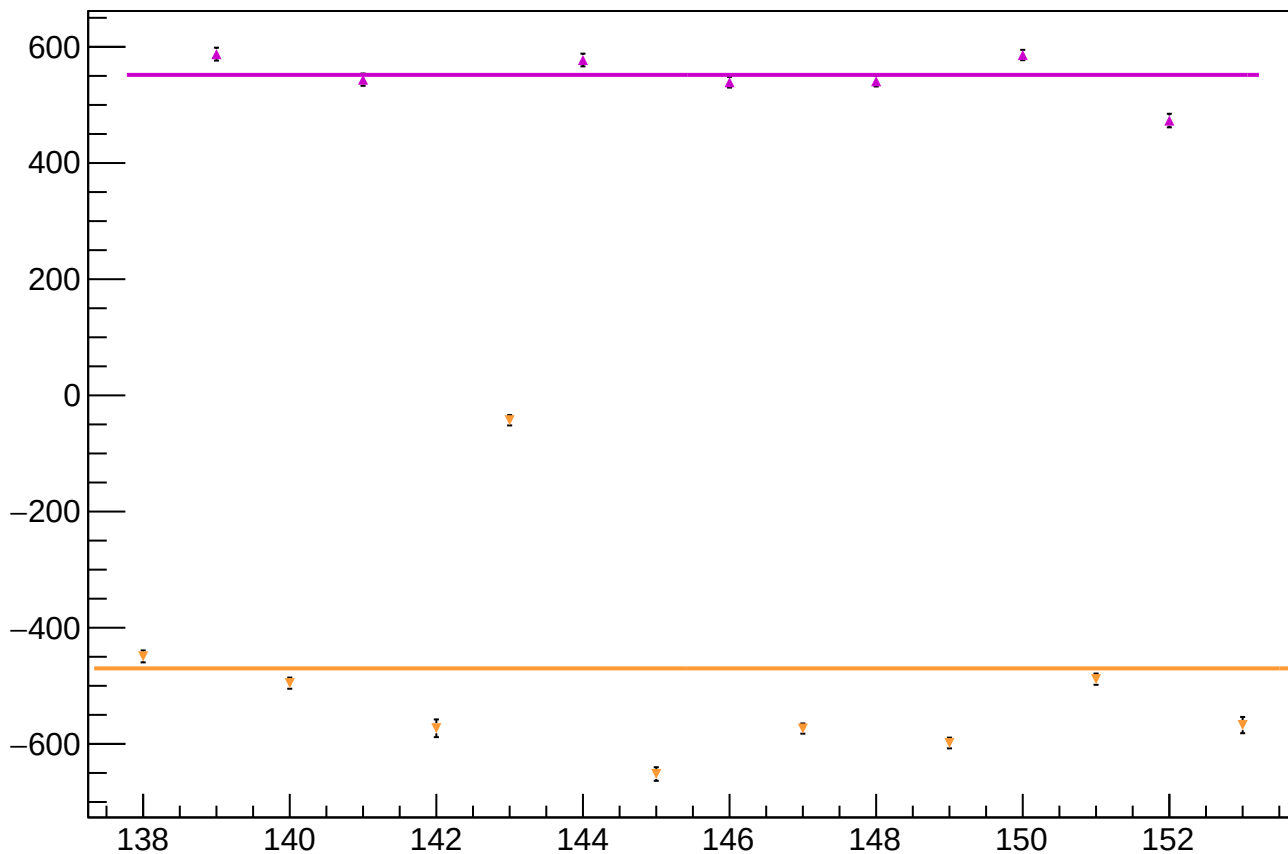
Left In: 26.579 ± 0.042 $\chi^2/\text{NDF}: 91172.7/6$

-20.482 ± 0.033 $\chi^2/\text{NDF}: 793380.5/25$

0.148 ± 0.024 $\chi^2/\text{NDF}: 2269583.0/52$

22.343 ± 0.035 $\chi^2/\text{NDF}: 682230.8/26$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -470.028+/-3.431 χ^2/NDF : 2987.3/8

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

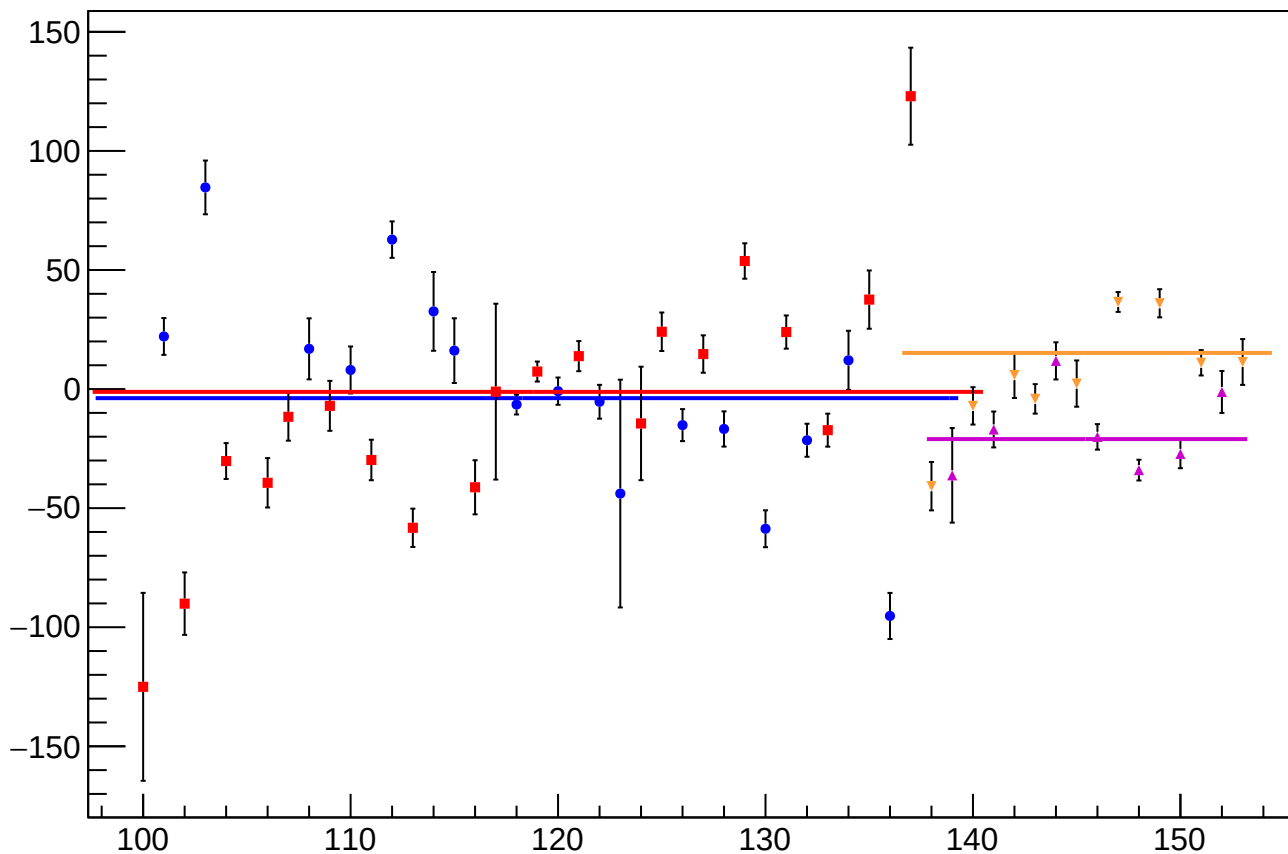
Left In: 551.779+/-3.794 χ^2/NDF : 79.8/6

-470.028+/-3.431 χ^2/NDF : 2987.3/8

-10.422+/-2.545 χ^2/NDF : 42969.0/15

551.779+/-3.794 χ^2/NDF : 79.8/6

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 15.186 ± 2.205 χ^2/NDF : 90.4/8

Right Out: -1.175 ± 1.911 χ^2/NDF : 303.9/19

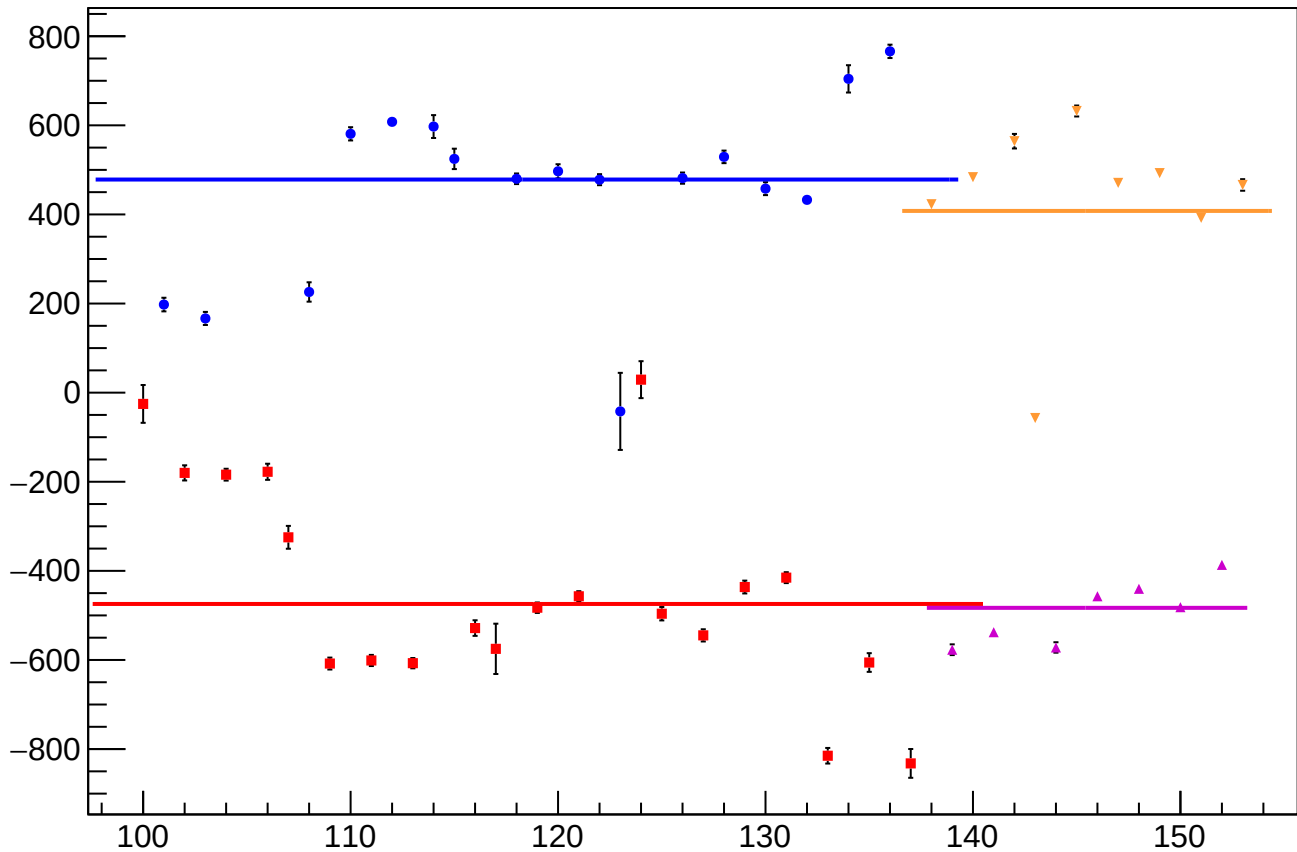
Left In: -21.001 ± 2.463 χ^2/NDF : 33.7/6

4.394 ± 1.449 χ^2/NDF : 446.8/25

-1.850 ± 1.046 χ^2/NDF : 863.6/52

-8.628 ± 1.510 χ^2/NDF : 378.0/26

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: 407.891 $\pm$ 3.430 χ^2/NDF : 3053.2/8

Right Out: -474.296 $\pm$ 3.524 χ^2/NDF : 2288.2/19

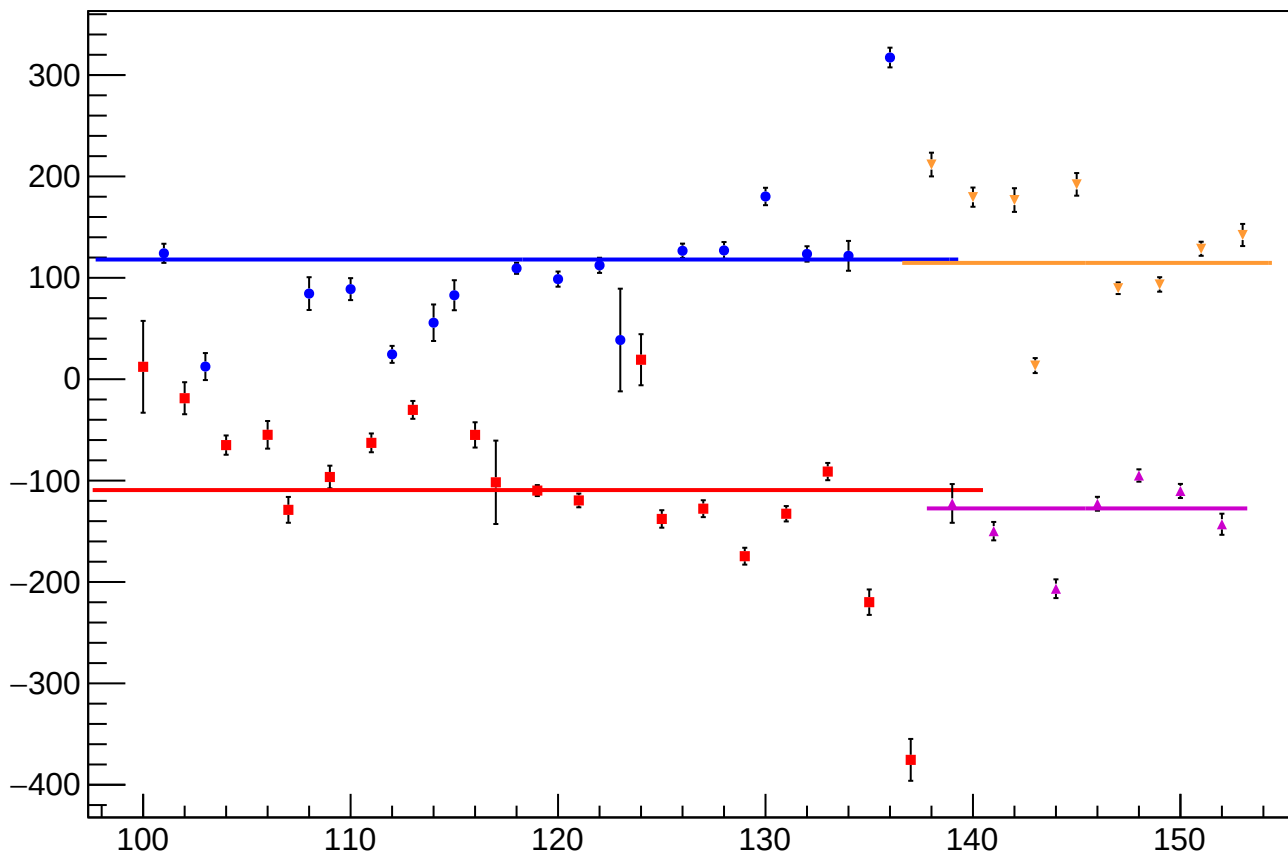
Left In: -483.006 $\pm$ 3.740 χ^2/NDF : 250.8/6

440.812 $\pm$ 2.503 χ^2/NDF : 4879.1/25

-7.643 $\pm$ 1.792 χ^2/NDF : 73193.2/52

-478.392 $\pm$ 2.565 χ^2/NDF : 2541.9/26

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2/NDF : 705.3/16

Left Out: 114.726 $\pm$ 2.762 χ^2/NDF : 417.5/8

Right Out: -109.345 $\pm$ 2.202 χ^2/NDF : 569.8/19

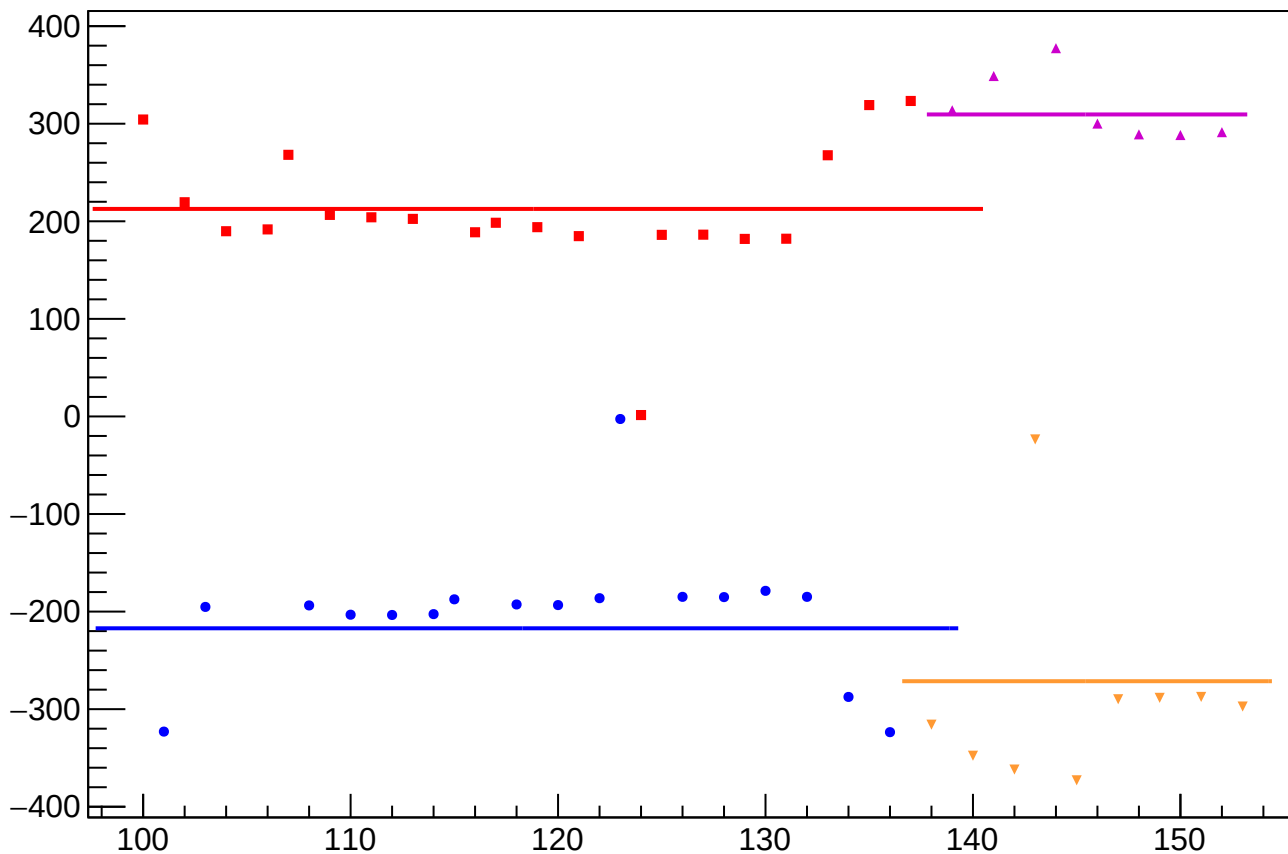
Left In: -127.443 $\pm$ 3.091 χ^2/NDF : 116.7/6

116.744 $\pm$ 1.733 χ^2/NDF : 1123.7/25

4.641 $\pm$ 1.246 χ^2/NDF : 10501.7/52

-115.435 $\pm$ 1.793 χ^2/NDF : 709.3/26

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -271.349+/-0.144 χ^2/NDF : 536110.7/8

Right Out: 212.679+/-0.130 χ^2/NDF : 115596.4/19

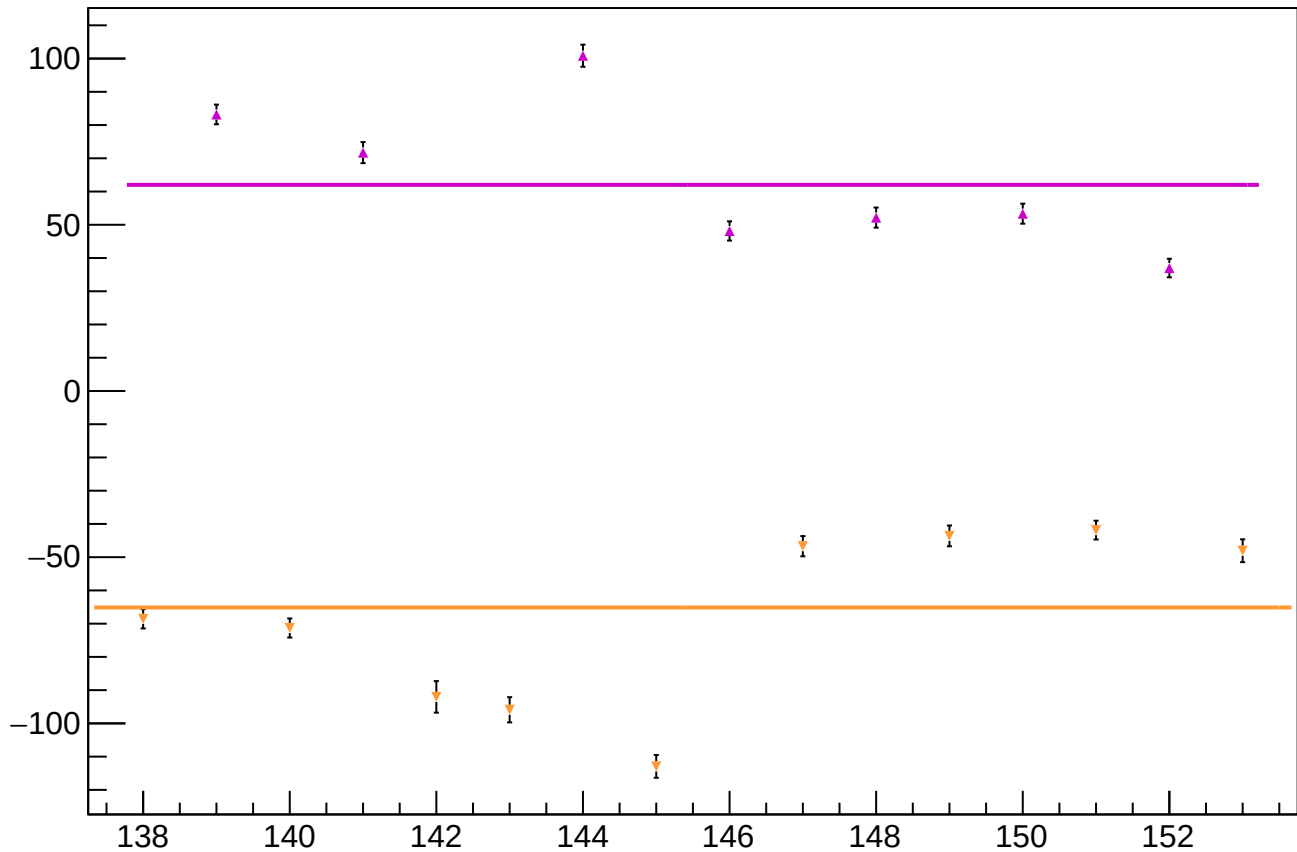
Left In: 309.497+/-0.156 χ^2/NDF : 34082.1/6

-242.804+/-0.099 χ^2/NDF : 757342.8/25

2.545+/-0.070 χ^2/NDF : 13504581.5/52

252.258+/-0.100 χ^2/NDF : 376379.4/26

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -65.127 $\pm$ 1.078 χ^2 /NDF: 475.3/8

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

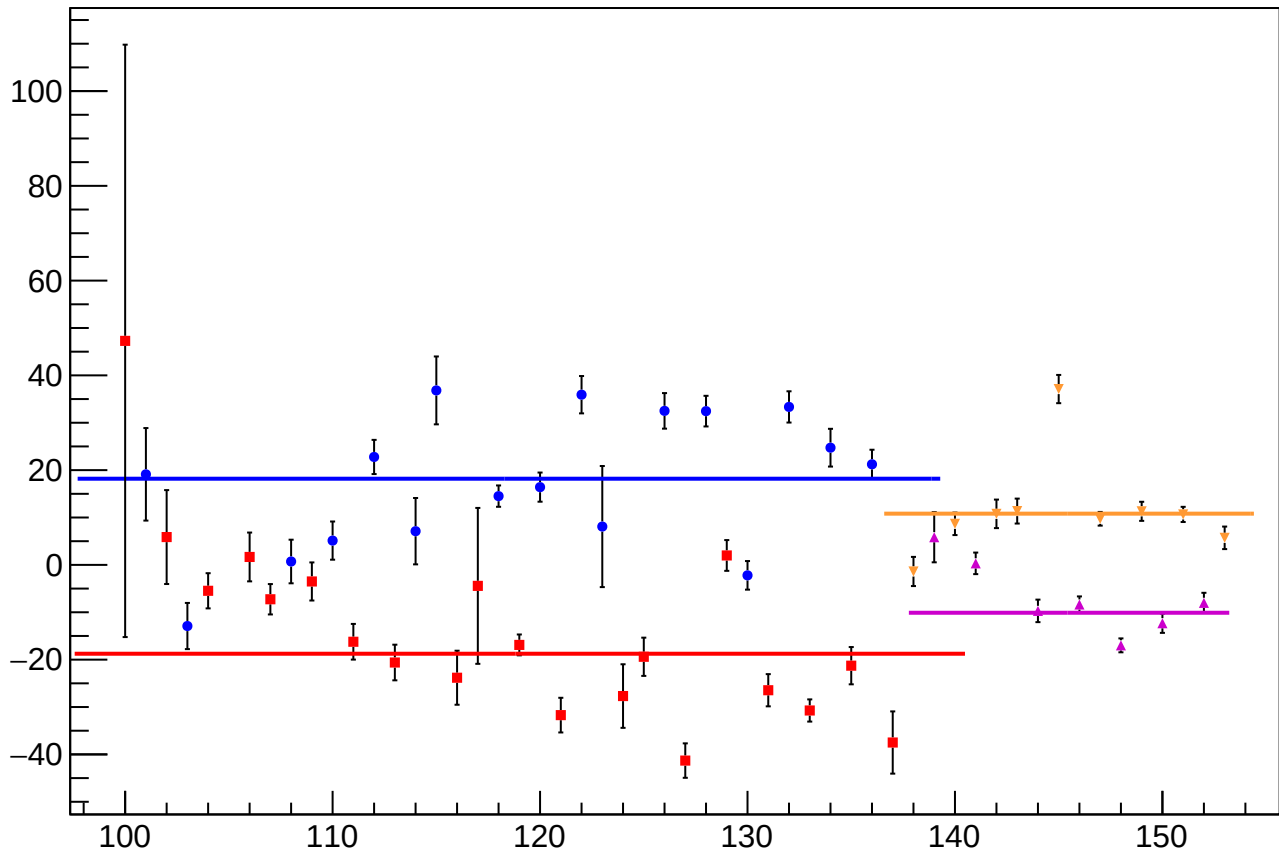
Left In: 62.002 $\pm$ 1.138 χ^2 /NDF: 319.1/6

-65.127 $\pm$ 1.078 χ^2 /NDF: 475.3/8

-5.006 $\pm$ 0.783 χ^2 /NDF: 7367.8/15

62.002 $\pm$ 1.138 χ^2 /NDF: 319.1/6

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 $\pm$ 0.917 χ^2/NDF : 204.9/16

Left Out: 10.814 $\pm$ 0.717 χ^2/NDF : 99.6/8

Right Out: -18.752 $\pm$ 0.862 χ^2/NDF : 199.5/19

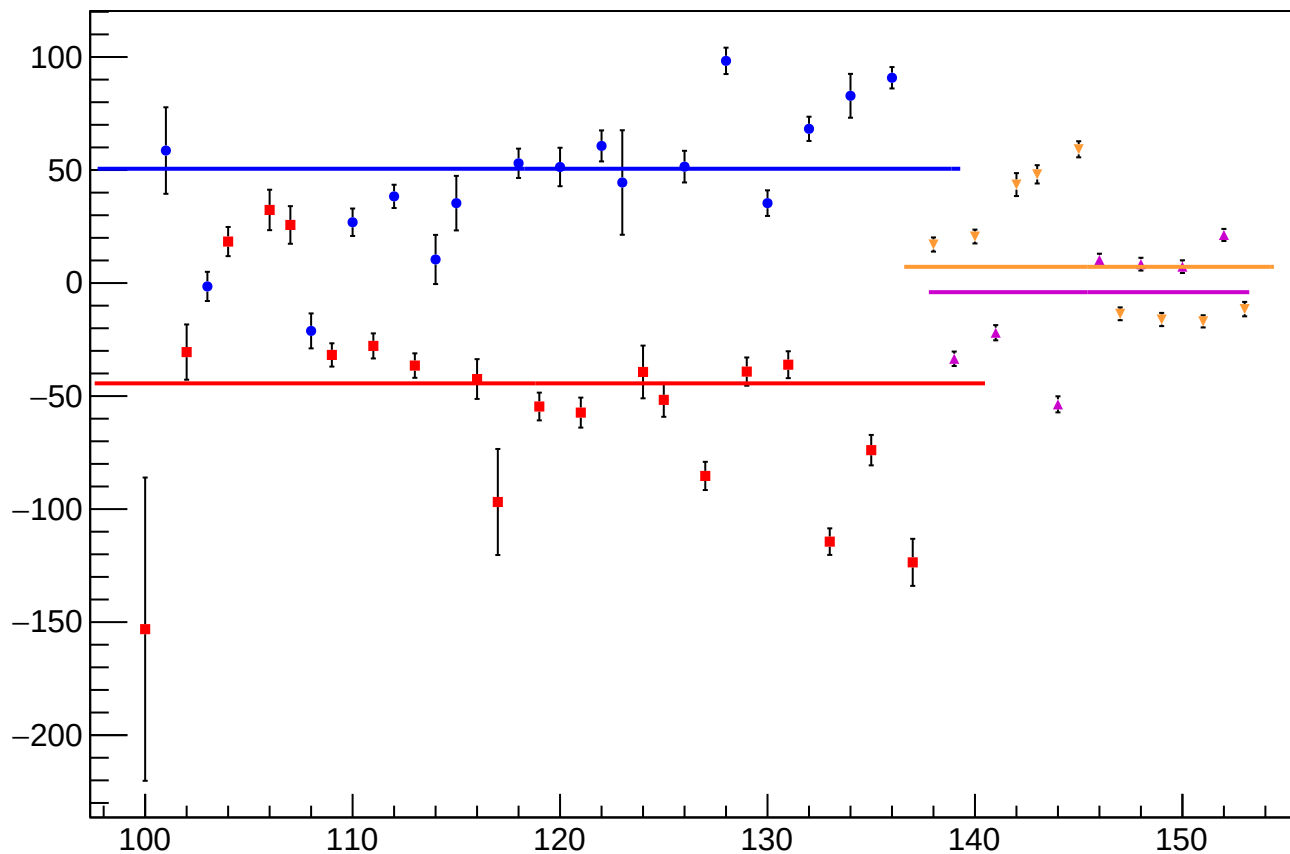
Left In: -10.104 $\pm$ 0.772 χ^2/NDF : 55.2/6

13.612 $\pm$ 0.565 χ^2/NDF : 344.6/25

0.069 $\pm$ 0.403 χ^2/NDF : 1824.6/52

-13.956 $\pm$ 0.575 χ^2/NDF : 310.6/26

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 ± 1.678 χ^2/NDF : 357.9/16

Left Out: 7.177 ± 1.076 χ^2/NDF : 626.9/8

Right Out: -44.377 ± 1.599 χ^2/NDF : 537.6/19

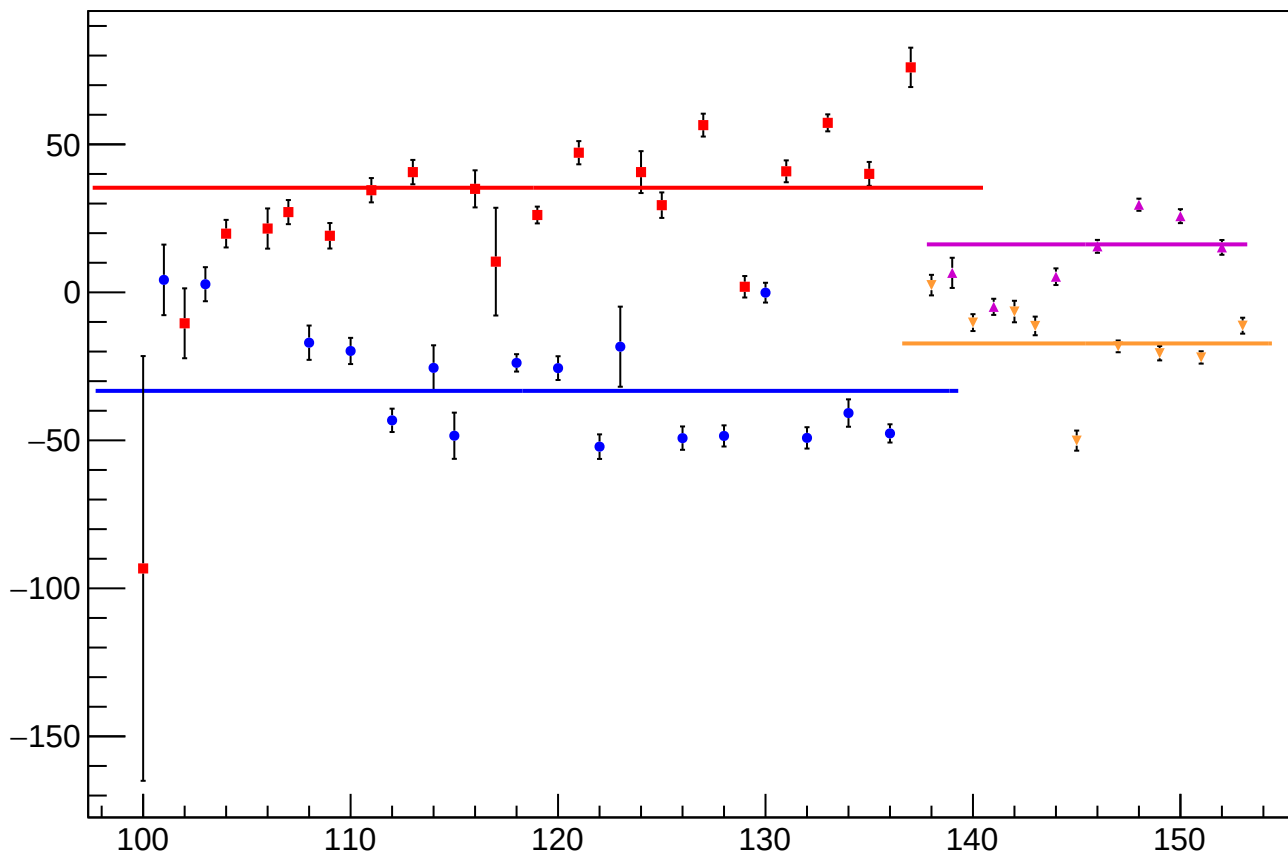
Left In: -4.037 ± 1.129 χ^2/NDF : 458.4/6

19.832 ± 0.906 χ^2/NDF : 1458.6/25

1.516 ± 0.646 χ^2/NDF : 3711.6/52

-17.453 ± 0.922 χ^2/NDF : 1420.9/26

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -17.260 ± 0.891 χ^2/NDF : 156.2/8

Right Out: 35.343 ± 0.990 χ^2/NDF : 291.6/19

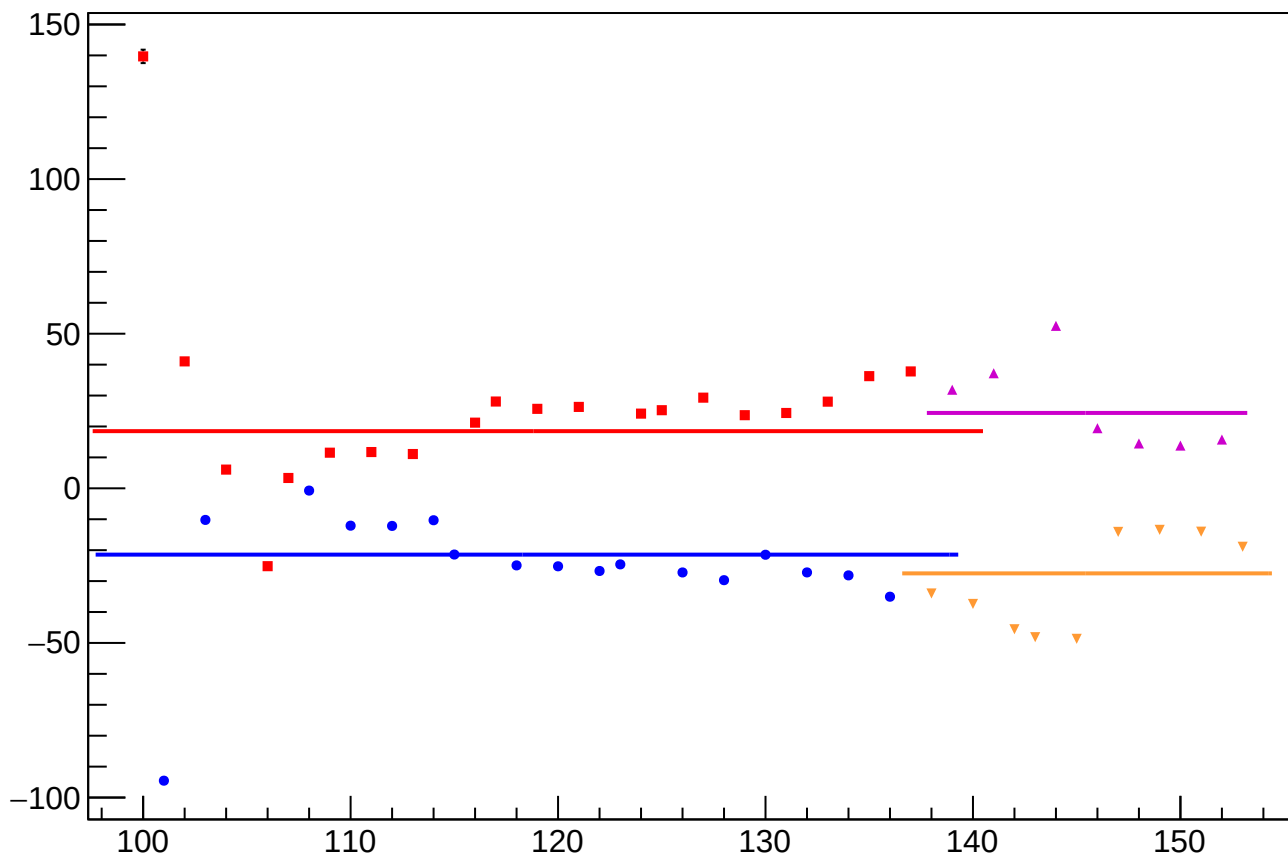
Left In: 16.209 ± 0.959 χ^2/NDF : 137.6/6

-24.018 ± 0.678 χ^2/NDF : 582.6/25

0.322 ± 0.483 χ^2/NDF : 3827.7/52

25.477 ± 0.689 χ^2/NDF : 621.9/26

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: -27.506 ± 0.045 $\chi^2/\text{NDF}: 96597.1/8$

Right Out: 18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

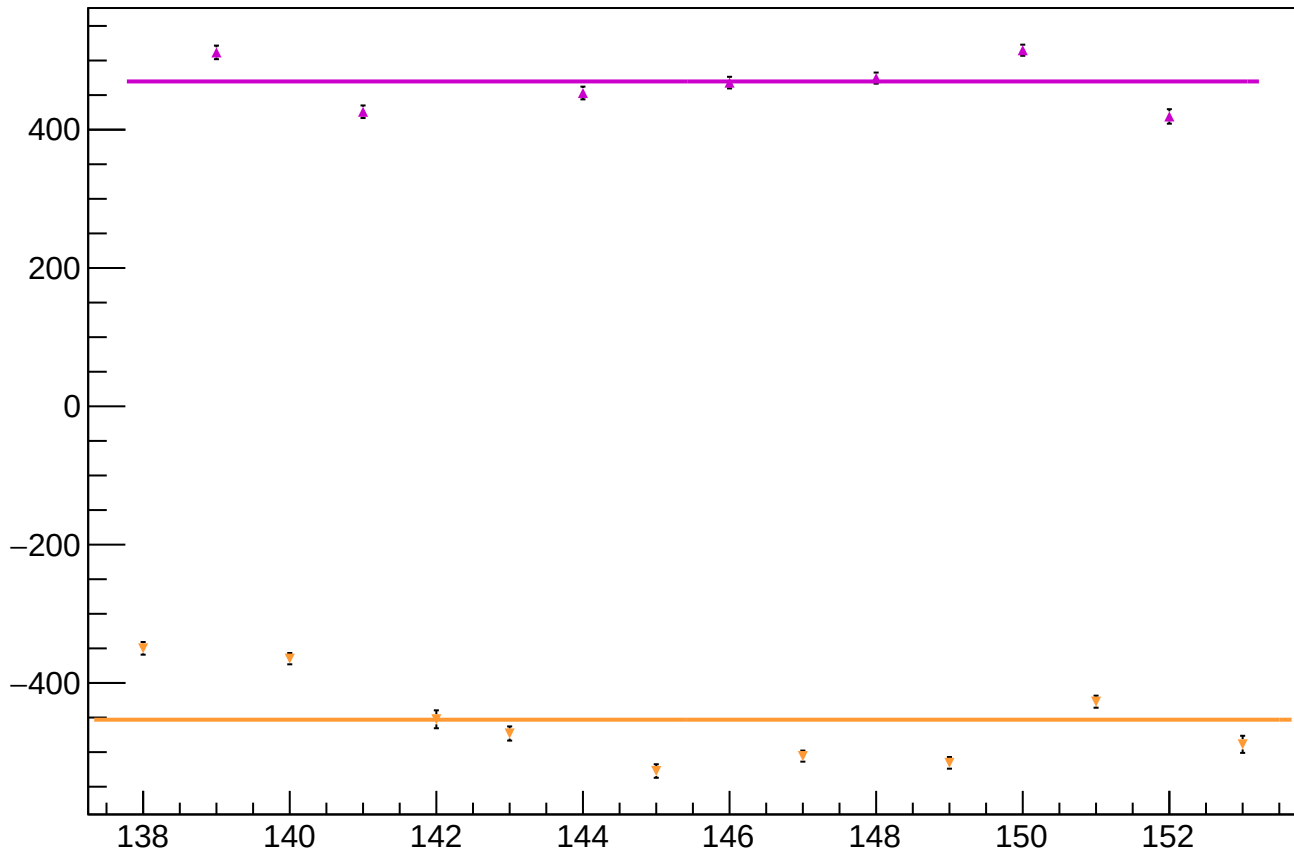
Left In: 24.378 ± 0.047 $\chi^2/\text{NDF}: 68460.8/6$

-25.303 ± 0.036 $\chi^2/\text{NDF}: 152311.9/25$

-2.087 ± 0.025 $\chi^2/\text{NDF}: 1179211.9/52$

22.031 ± 0.036 $\chi^2/\text{NDF}: 155356.9/26$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -453.113+/-3.129 χ^2/NDF : 419.6/8

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

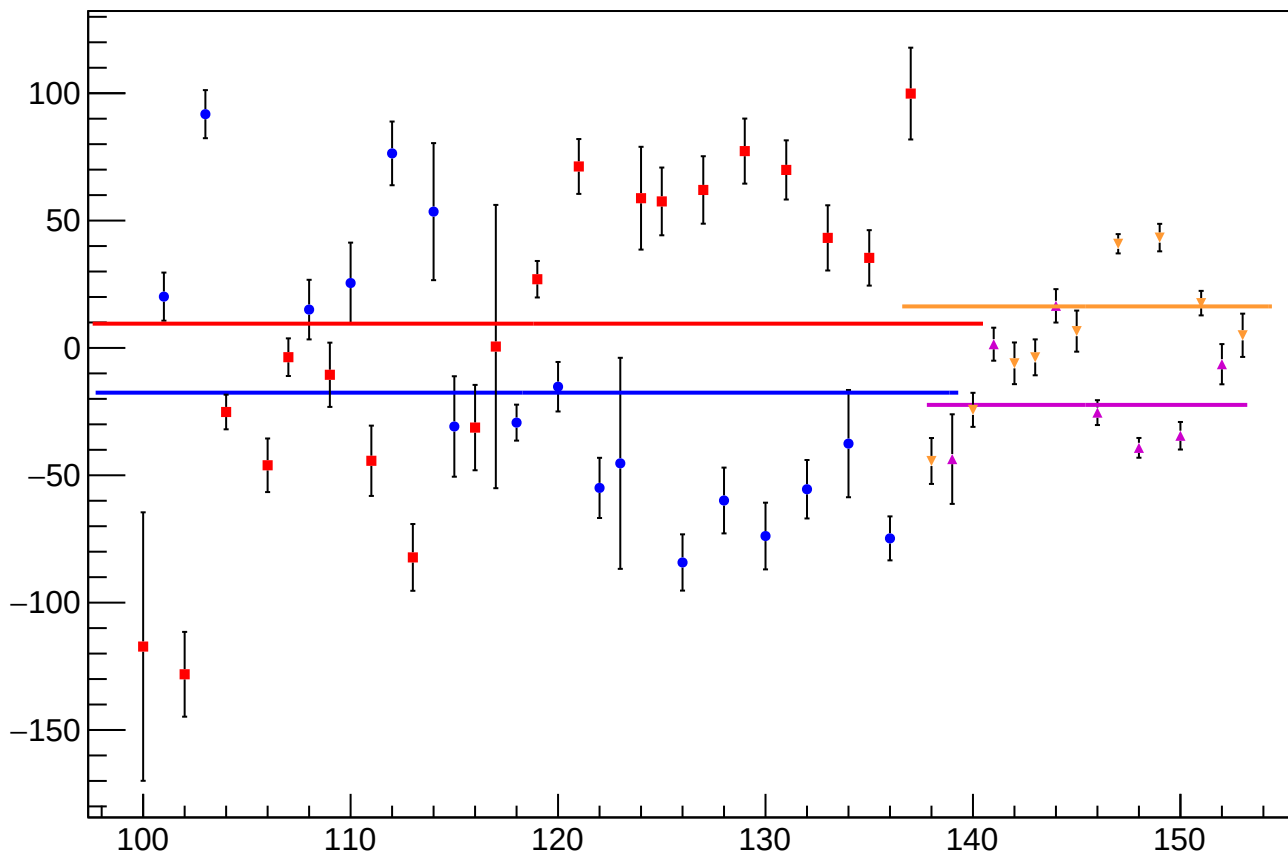
Left In: 469.735+/-3.360 χ^2/NDF : 100.2/6

-453.113+/-3.129 χ^2/NDF : 419.6/8

-24.410+/-2.290 χ^2/NDF : 40922.4/15

469.735+/-3.360 χ^2/NDF : 100.2/6

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: 16.299 ± 2.015 $\chi^2/\text{NDF}: 168.3/8$

Right Out: 9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

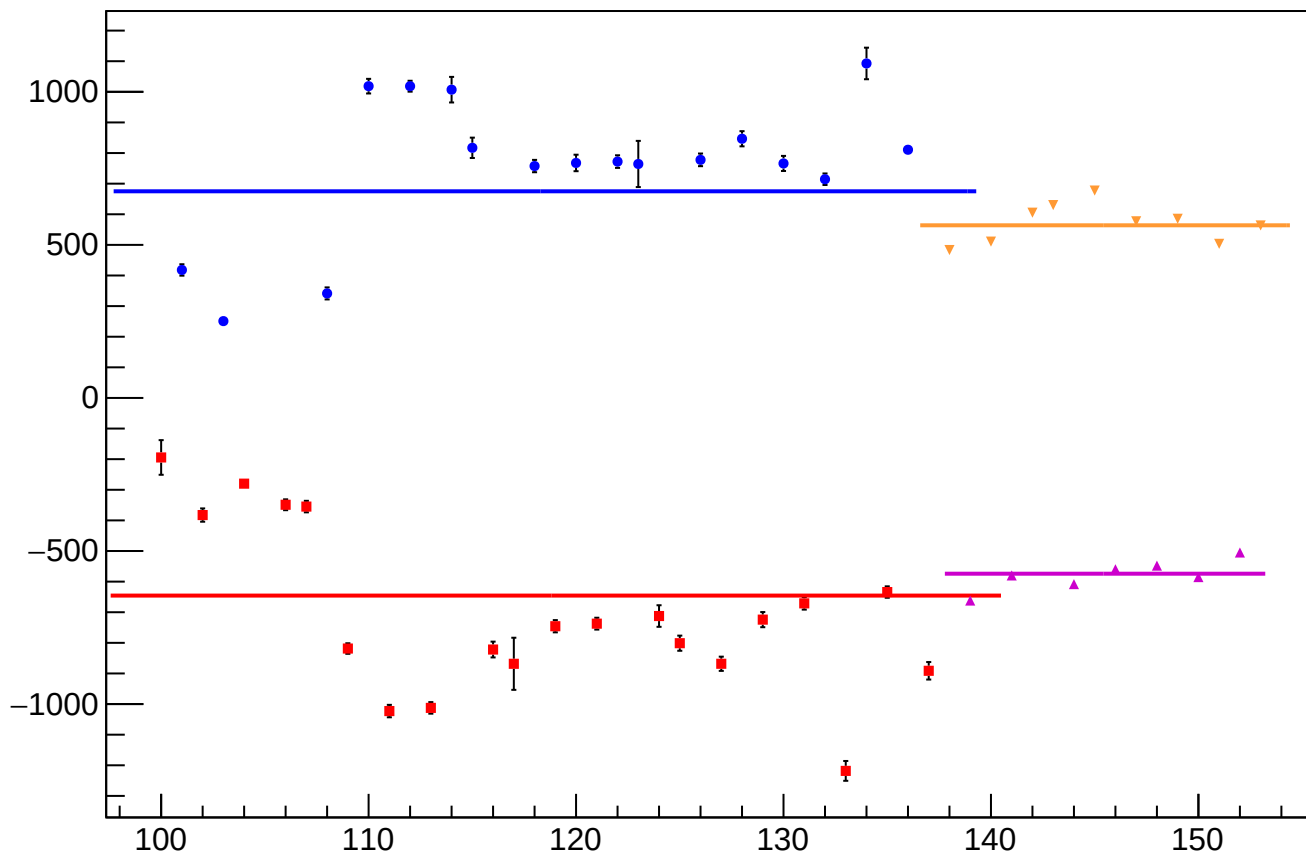
Left In: -22.365 ± 2.188 $\chi^2/\text{NDF}: 78.5/6$

4.852 ± 1.640 $\chi^2/\text{NDF}: 627.4/25$

-2.010 ± 1.172 $\chi^2/\text{NDF}: 1199.9/52$

-9.176 ± 1.676 $\chi^2/\text{NDF}: 536.6/26$

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: 563.976 $\pm$ 3.126 χ^2 /NDF:332.6/8

Right Out: -645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

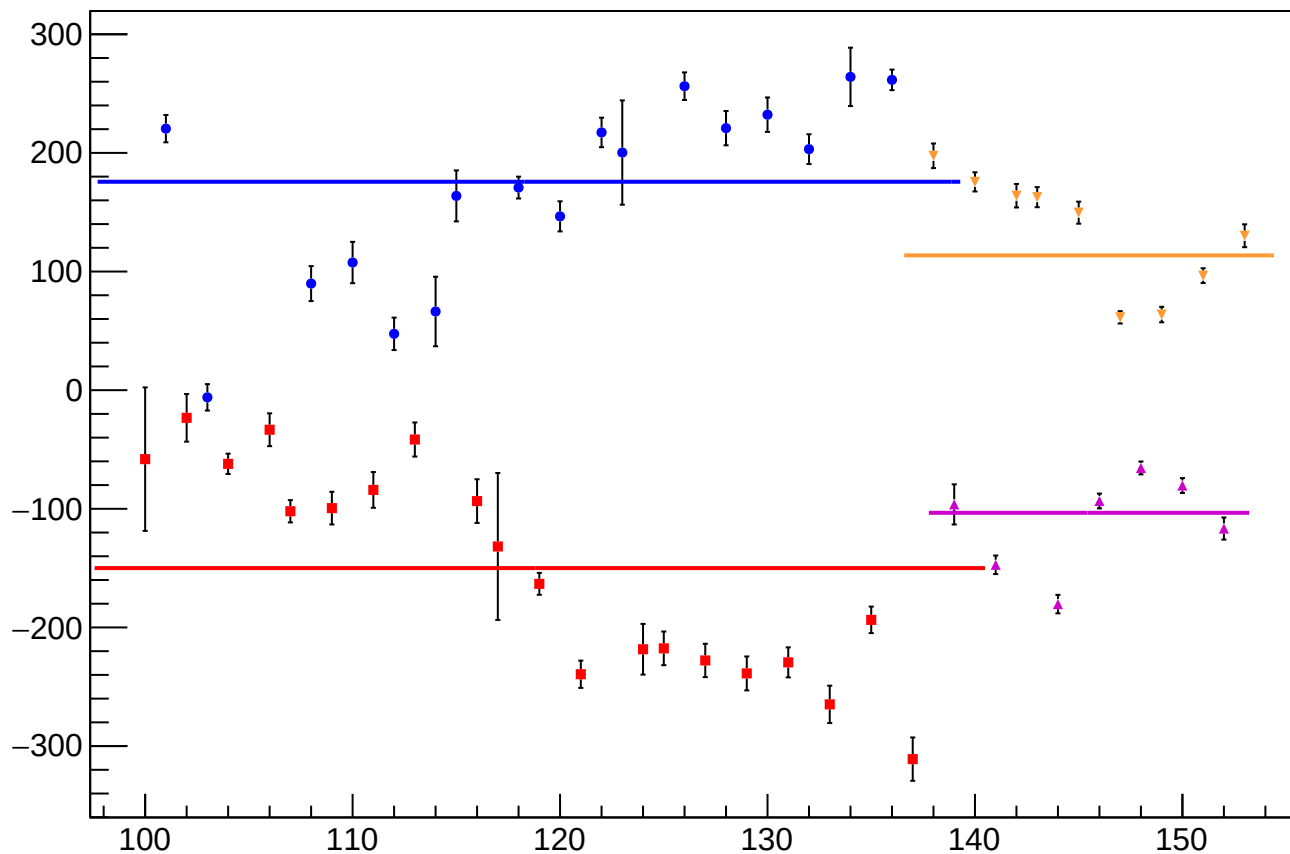
Left In: -574.143 $\pm$ 3.320 χ^2 /NDF:145.6/6

594.591 $\pm$ 2.660 χ^2 /NDF: 3265.0/25

12.099 $\pm$ 1.903 χ^2 /NDF: 104801.6/52

-597.572 $\pm$ 2.722 χ^2 /NDF: 3426.5/26

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: 113.613 $\pm$ 2.526 χ^2 /NDF: 367.3/8

Right Out: -149.973 $\pm$ 3.038 χ^2 /NDF: 693.8/19

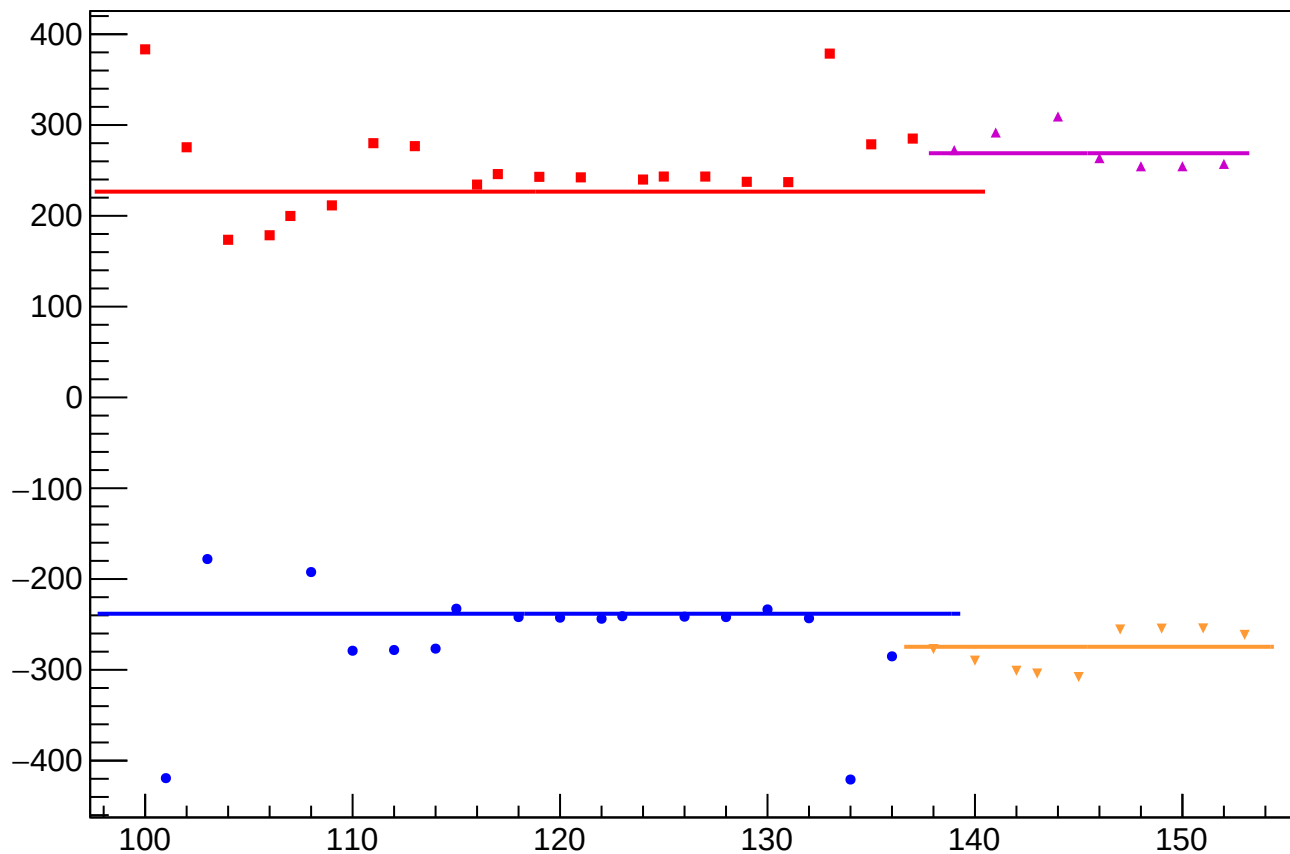
Left In: -103.361 $\pm$ 2.744 χ^2 /NDF: 196.0/6

137.097 $\pm$ 1.992 χ^2 /NDF: 1233.5/25

9.276 $\pm$ 1.424 χ^2 /NDF: 10672.7/52

-124.300 $\pm$ 2.036 χ^2 /NDF: 1019.4/26

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -274.631 ± 0.131 χ^2/NDF : 25557.5/8

Right Out: 226.626 ± 0.151 χ^2/NDF : 102587.0/19

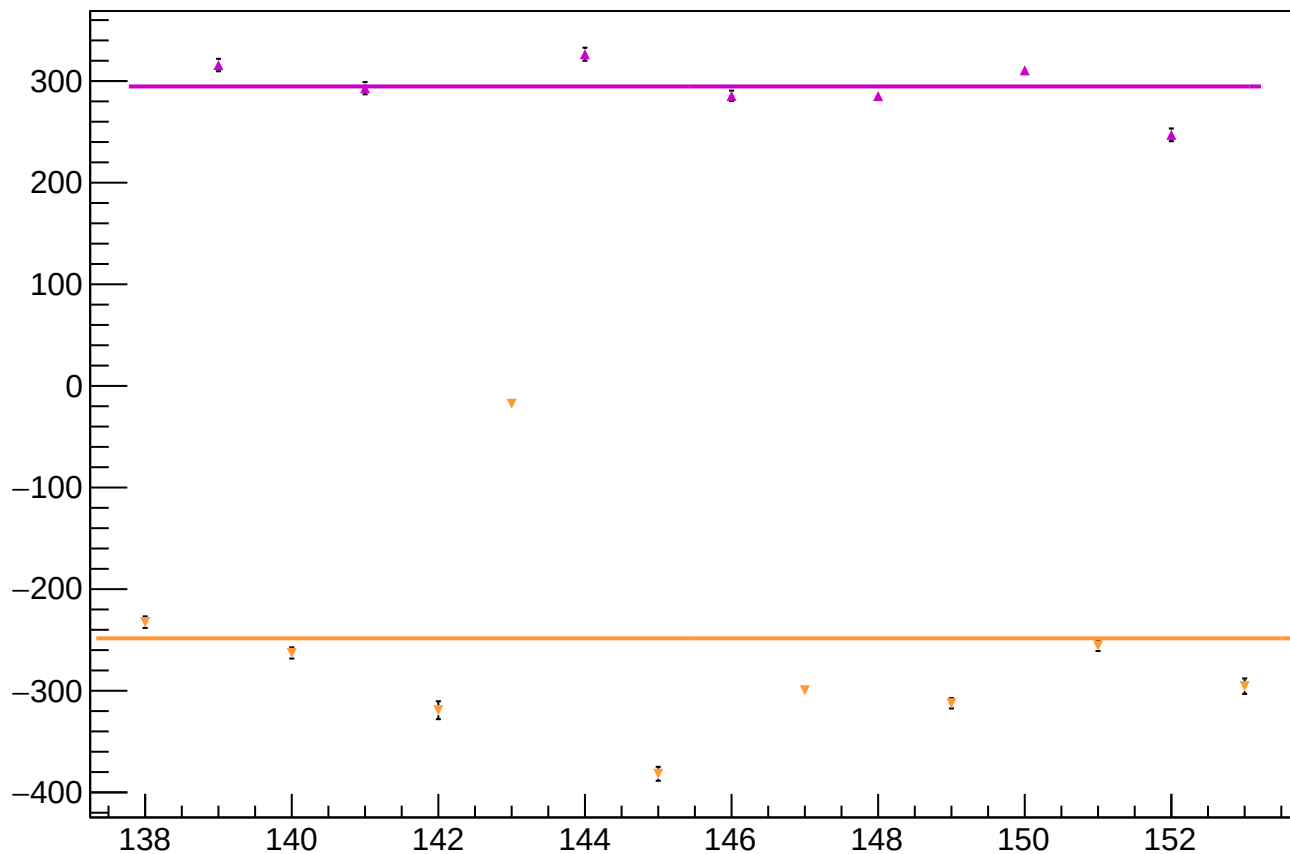
Left In: 268.935 ± 0.139 χ^2/NDF : 17419.4/6

-260.012 ± 0.102 χ^2/NDF : 223503.2/25

-6.469 ± 0.072 χ^2/NDF : 12886043.1/52

249.594 ± 0.102 χ^2/NDF : 162560.3/26

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: -248.404+/-1.911 χ^2/NDF : 2941.0/8

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

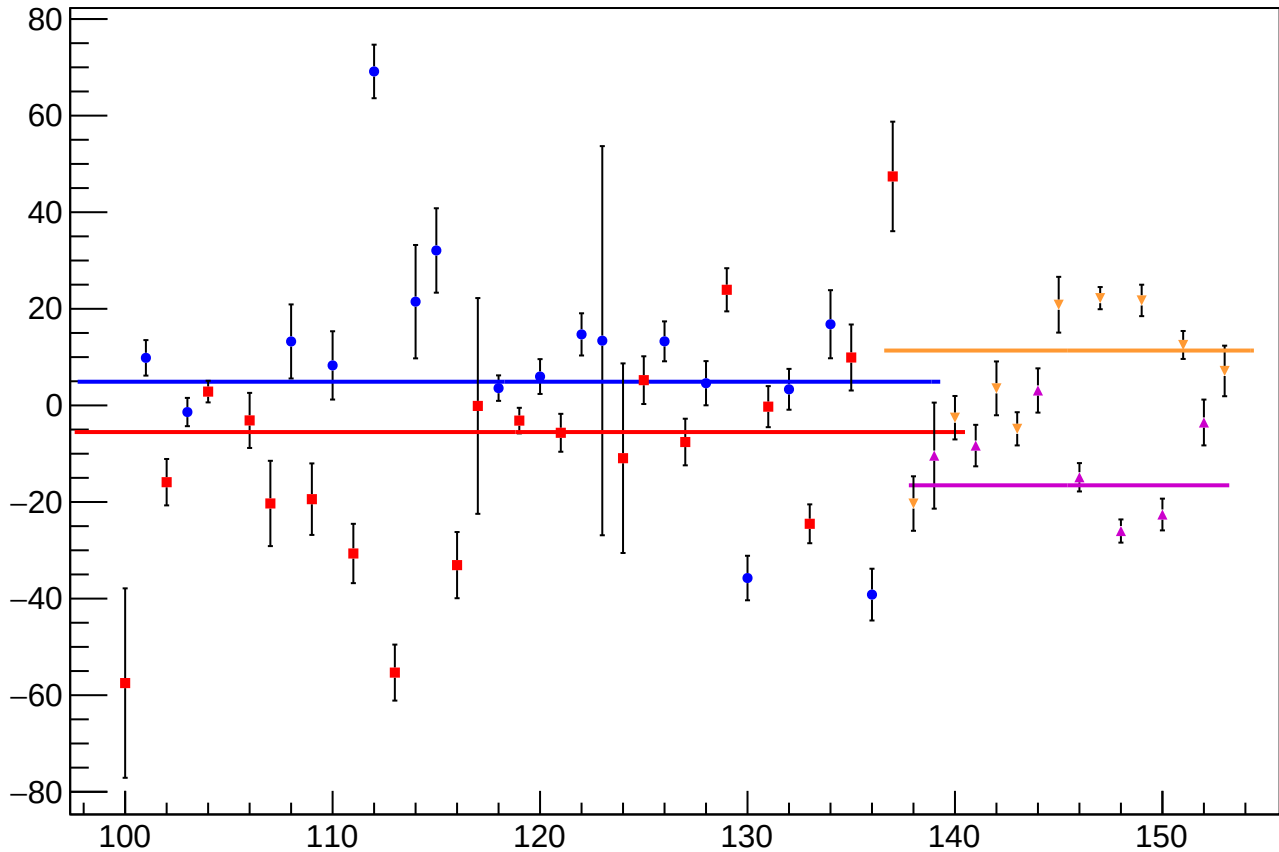
Left In: 294.696+/-2.109 χ^2/NDF : 110.9/6

-248.404+/-1.911 χ^2/NDF : 2941.0/8

-3.467+/-1.416 χ^2/NDF : 39467.5/15

294.696+/-2.109 χ^2/NDF : 110.9/6

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: 11.362 ± 1.224 $\chi^2/\text{NDF}: 101.3/8$

Right Out: -5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

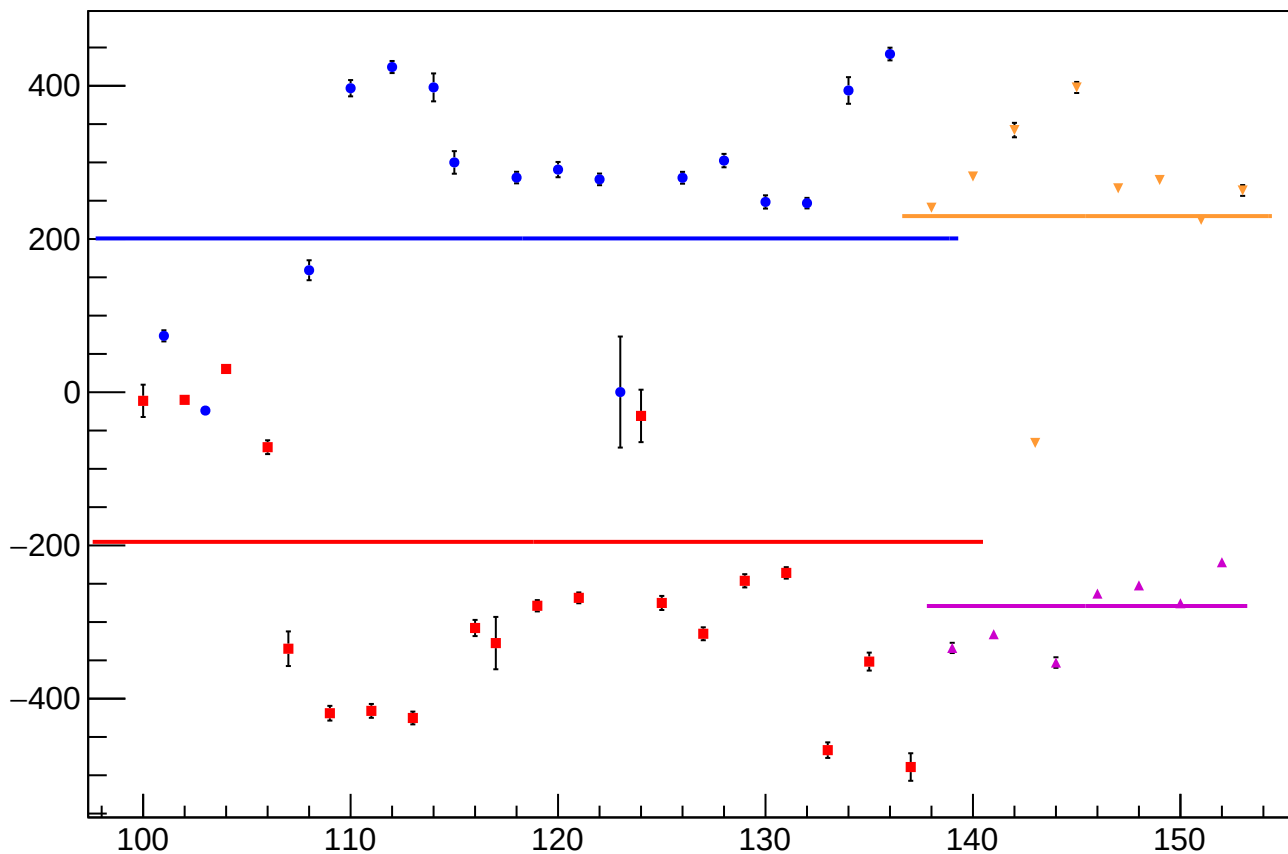
Left In: -16.543 ± 1.365 $\chi^2/\text{NDF}: 49.1/6$

7.806 ± 0.820 $\chi^2/\text{NDF}: 428.3/25$

-0.732 ± 0.587 $\chi^2/\text{NDF}: 979.0/52$

-9.701 ± 0.841 $\chi^2/\text{NDF}: 328.6/26$

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: 229.930 $\pm$ 1.907 χ^2 /NDF: 4093.7/8

Right Out: -195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

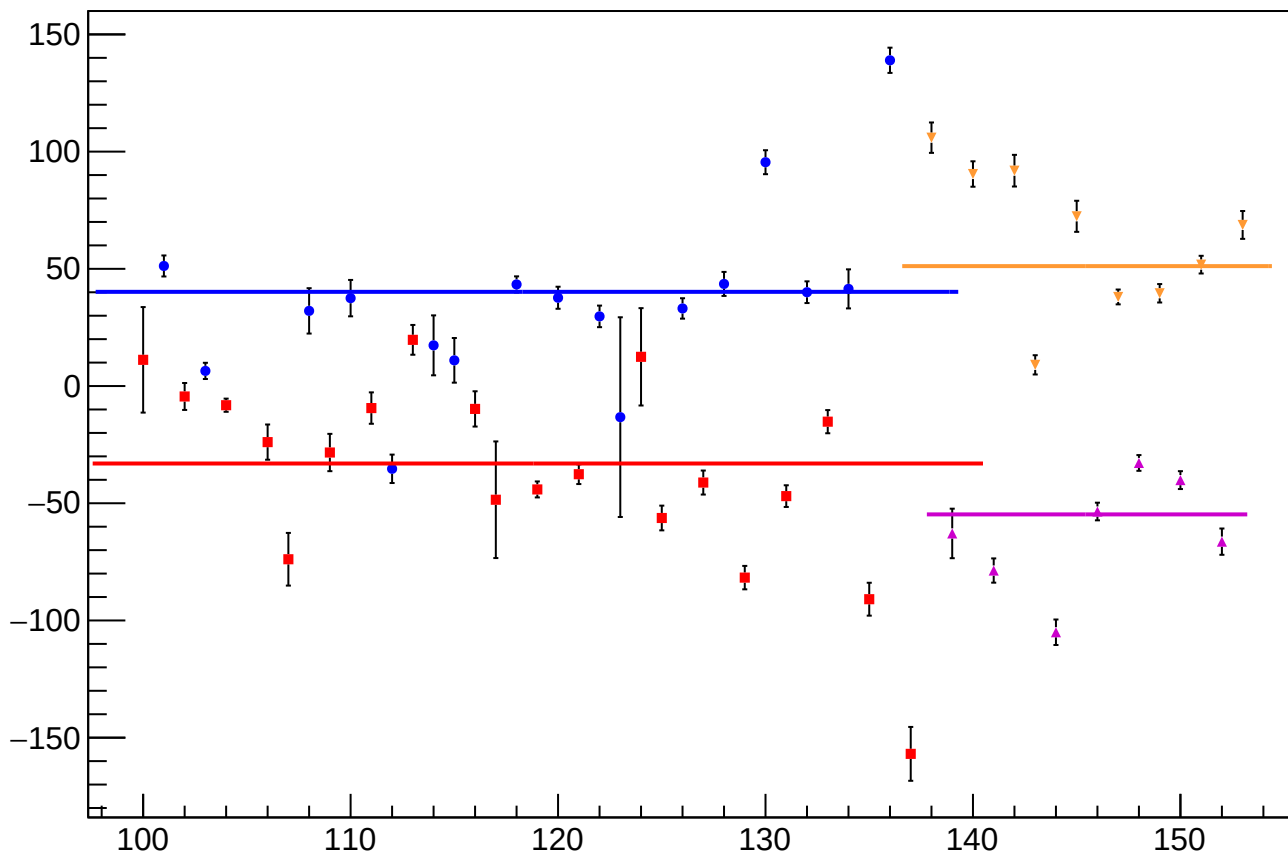
Left In: -279.044 $\pm$ 2.074 χ^2 /NDF: 350.6/6

215.922 $\pm$ 1.375 χ^2 /NDF: 10939.0/25

-3.401 $\pm$ 0.984 χ^2 /NDF: 72649.7/52

-233.964 $\pm$ 1.409 χ^2 /NDF: 9489.9/26

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: 51.156 ± 1.534 $\chi^2/\text{NDF}: 310.3/8$

Right Out: -33.045 ± 1.249 $\chi^2/\text{NDF}: 553.1/19$

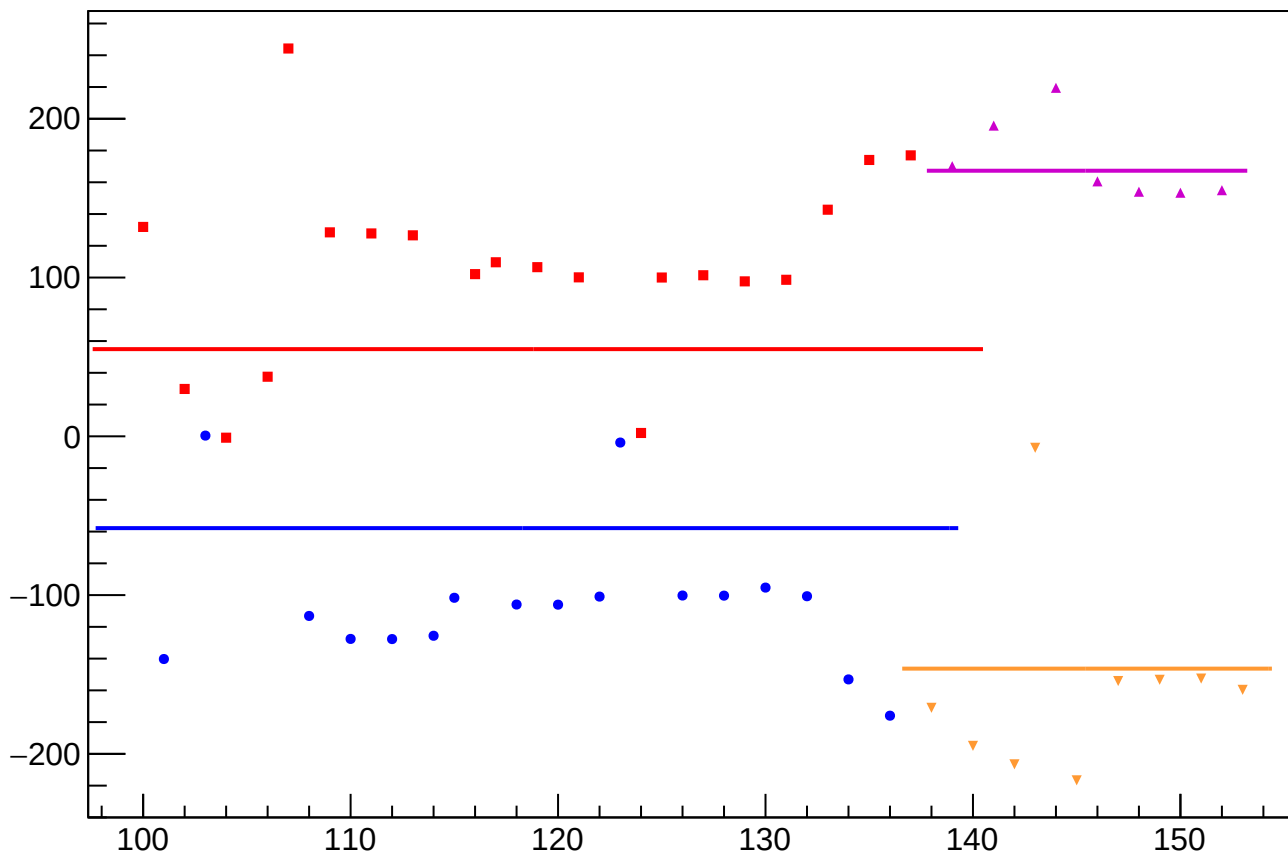
Left In: -54.752 ± 1.715 $\chi^2/\text{NDF}: 169.3/6$

44.701 ± 0.984 $\chi^2/\text{NDF}: 1074.9/25$

3.148 ± 0.705 $\chi^2/\text{NDF}: 5558.9/52$

-40.565 ± 1.010 $\chi^2/\text{NDF}: 827.0/26$

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: -146.311 ± 0.080 χ^2/NDF : 572402.2/8

Right Out: 54.915 ± 0.060 χ^2/NDF : 1001968.3/19

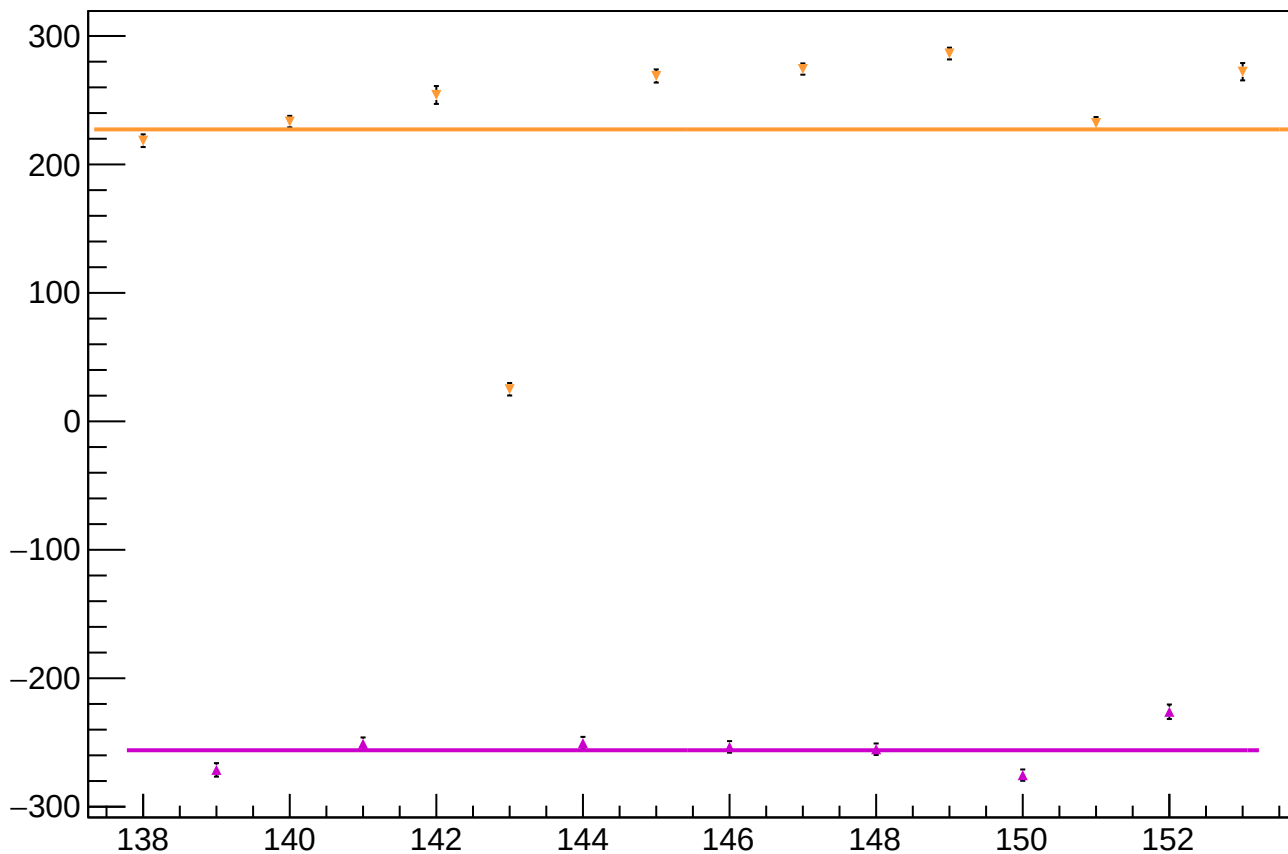
Left In: 167.276 ± 0.087 χ^2/NDF : 55092.6/6

-90.859 ± 0.049 χ^2/NDF : 2439465.3/25

-0.665 ± 0.035 χ^2/NDF : 11504246.3/52

91.471 ± 0.049 χ^2/NDF : 2190948.9/26

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: 227.283+/-1.673 χ^2/NDF : 2137.2/8

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

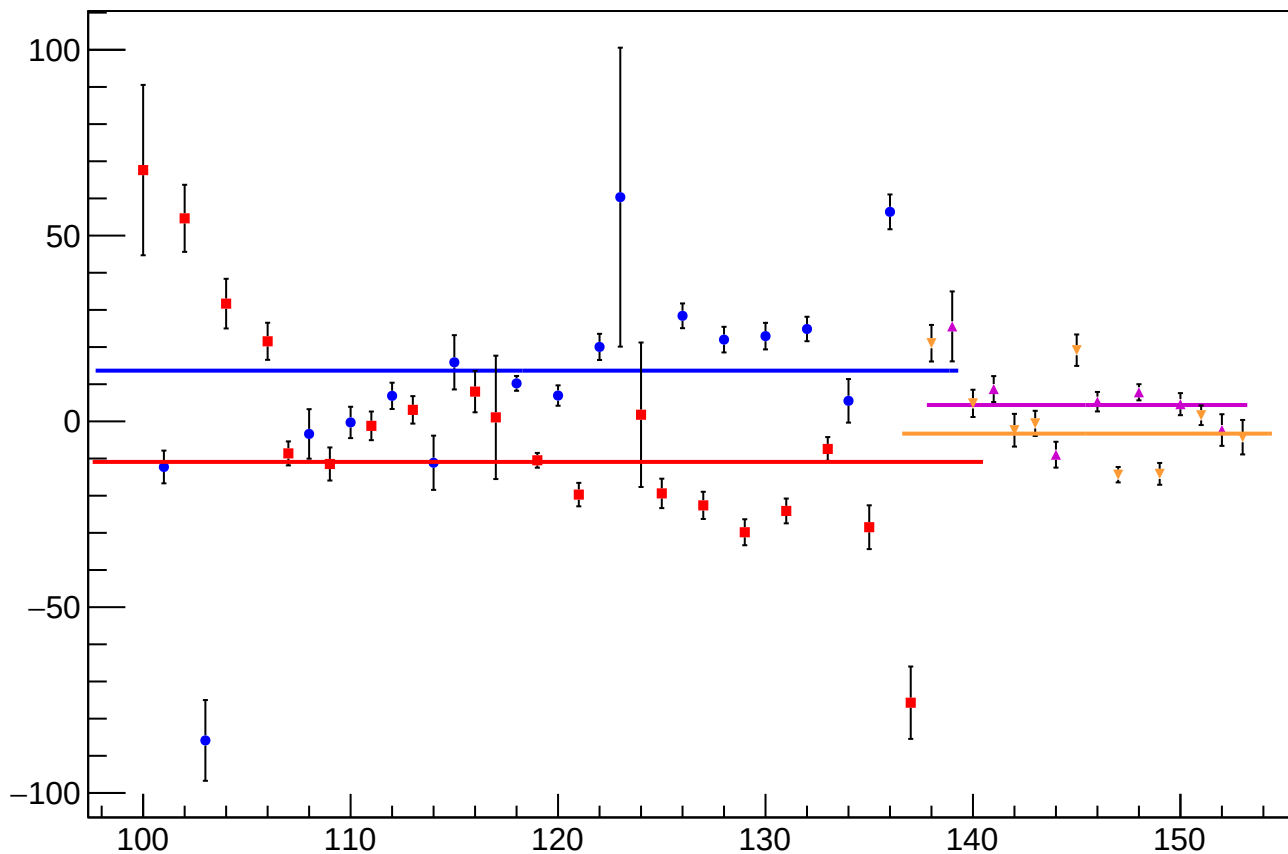
Left In: -256.044+/-1.819 χ^2/NDF : 58.6/6

227.283+/-1.673 χ^2/NDF : 2137.2/8

5.780+/-1.232 χ^2/NDF : 40426.2/15

-256.044+/-1.819 χ^2/NDF : 58.6/6

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: -3.292 ± 1.085 χ^2/NDF : 103.7/8

Right Out: -10.908 ± 0.912 χ^2/NDF : 303.1/19

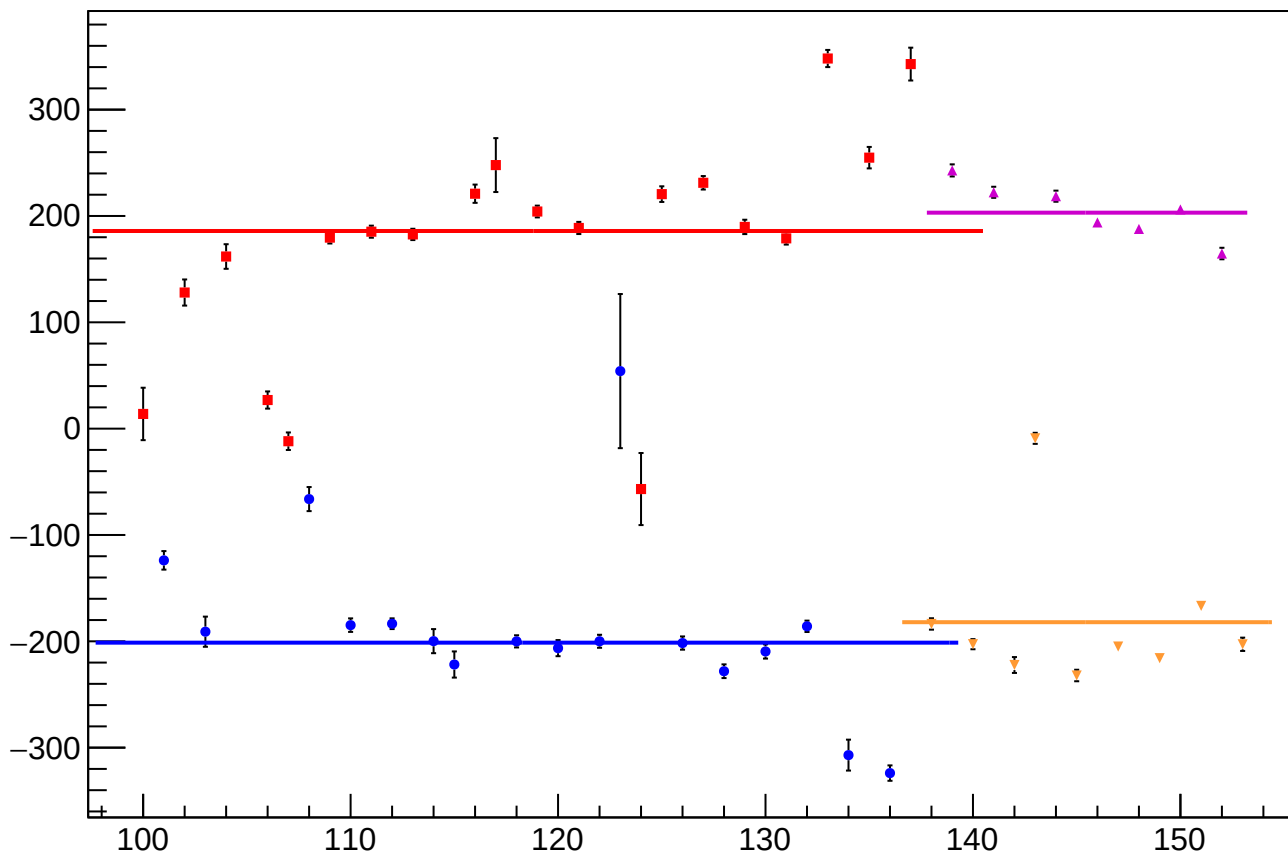
Left In: 4.404 ± 1.194 χ^2/NDF : 26.4/6

6.423 ± 0.709 χ^2/NDF : 537.5/25

0.707 ± 0.507 χ^2/NDF : 1103.9/52

-5.265 ± 0.725 χ^2/NDF : 433.4/26

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: -182.017 ± 1.676 χ^2/NDF : 1355.7/8

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

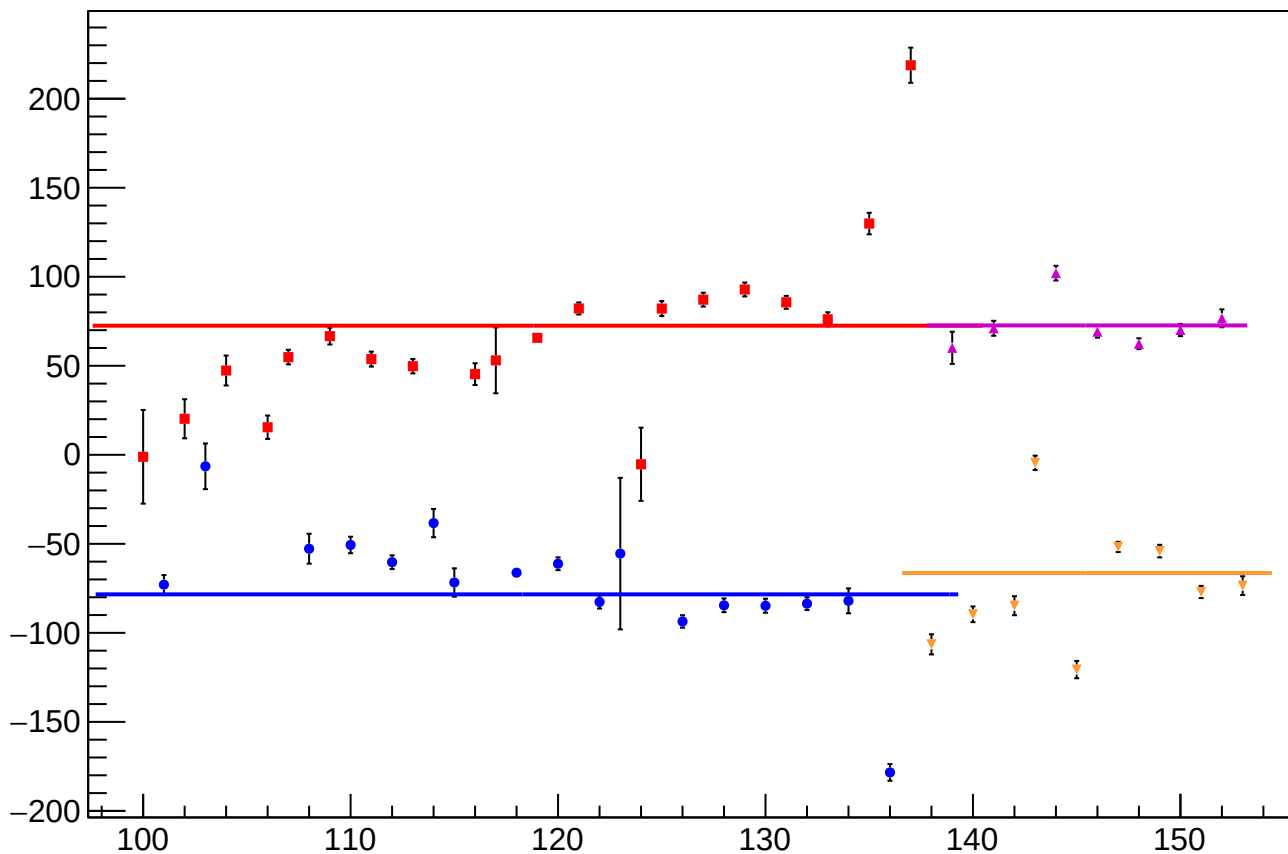
Left In: 203.106 ± 1.801 χ^2/NDF : 139.8/6

-190.981 ± 1.225 χ^2/NDF : 2040.5/25

0.055 ± 0.870 χ^2/NDF : 52970.4/52

193.971 ± 1.234 χ^2/NDF : 1940.4/26

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: -66.382 ± 1.356 χ^2/NDF : 497.5/8

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

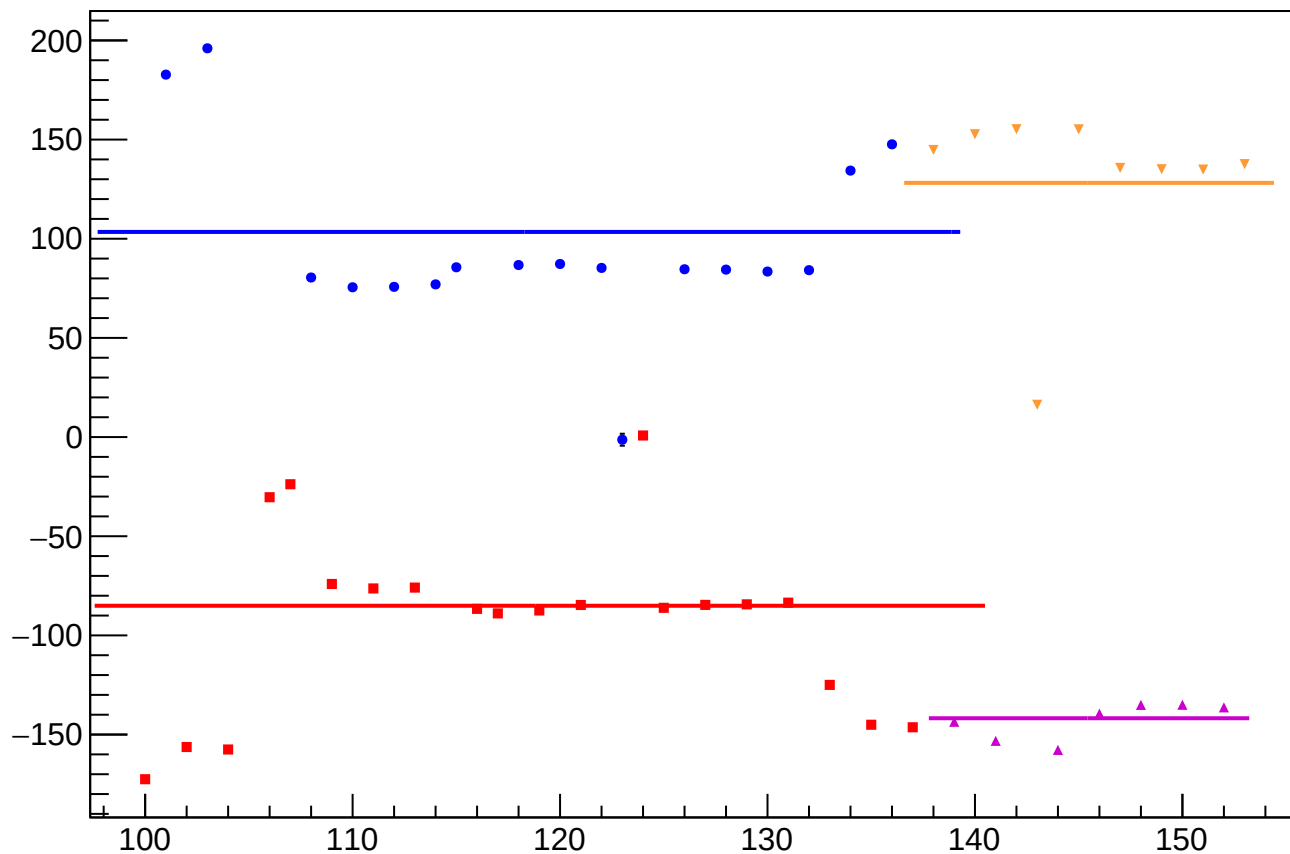
Left In: 72.658 ± 1.493 χ^2/NDF : 66.4/6

-73.715 ± 0.846 χ^2/NDF : 1196.7/25

-1.719 ± 0.603 χ^2/NDF : 16601.0/52

72.561 ± 0.859 χ^2/NDF : 673.3/26

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: 128.173 $\pm$ 0.070 χ^2/NDF : 339520.9/8

Right Out: -85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

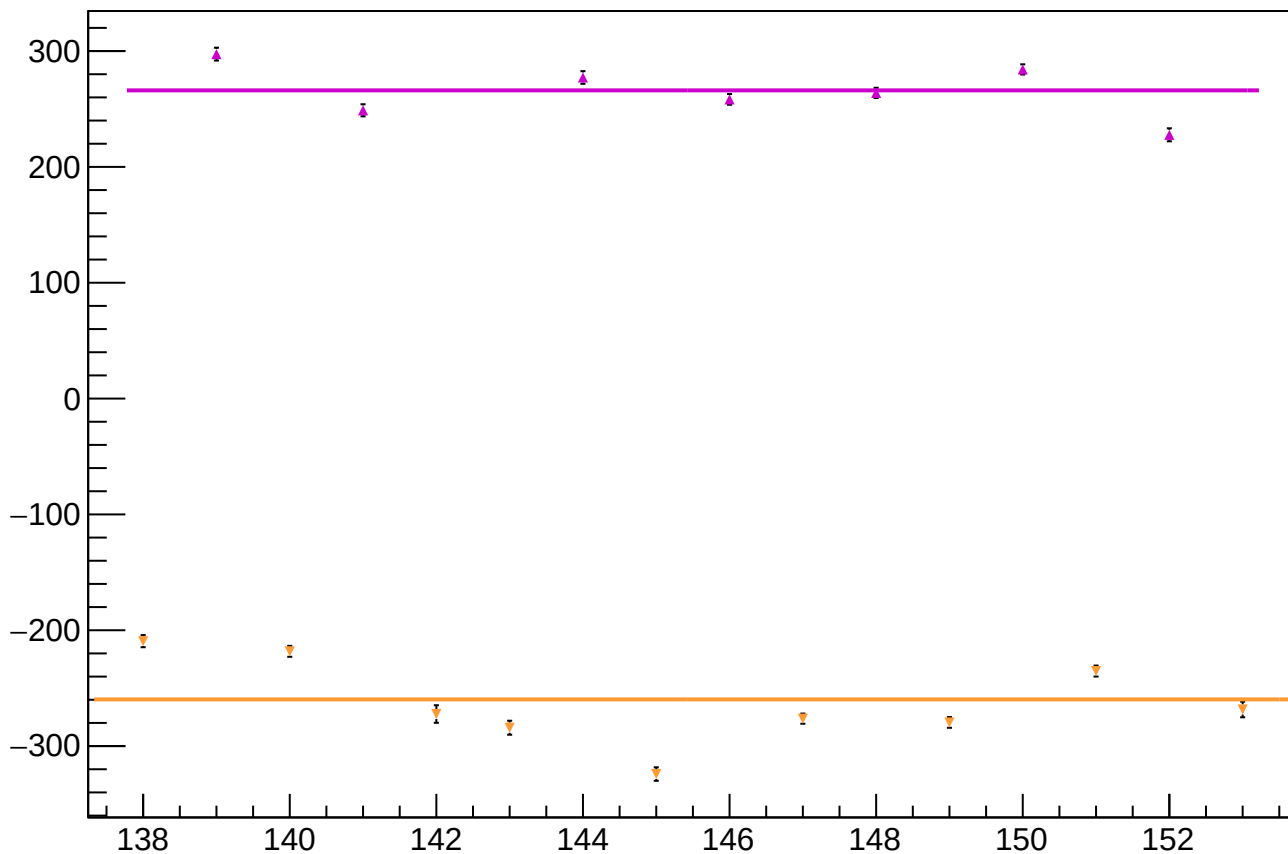
Left In: -141.779 $\pm$ 0.075 χ^2/NDF : 11599.2/6

115.922 $\pm$ 0.050 χ^2/NDF : 673786.6/25

0.624 $\pm$ 0.035 χ^2/NDF : 11850544.2/52

-108.733 $\pm$ 0.049 χ^2/NDF : 765547.4/26

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: -259.674+/-1.766 χ^2/NDF : 372.0/8

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

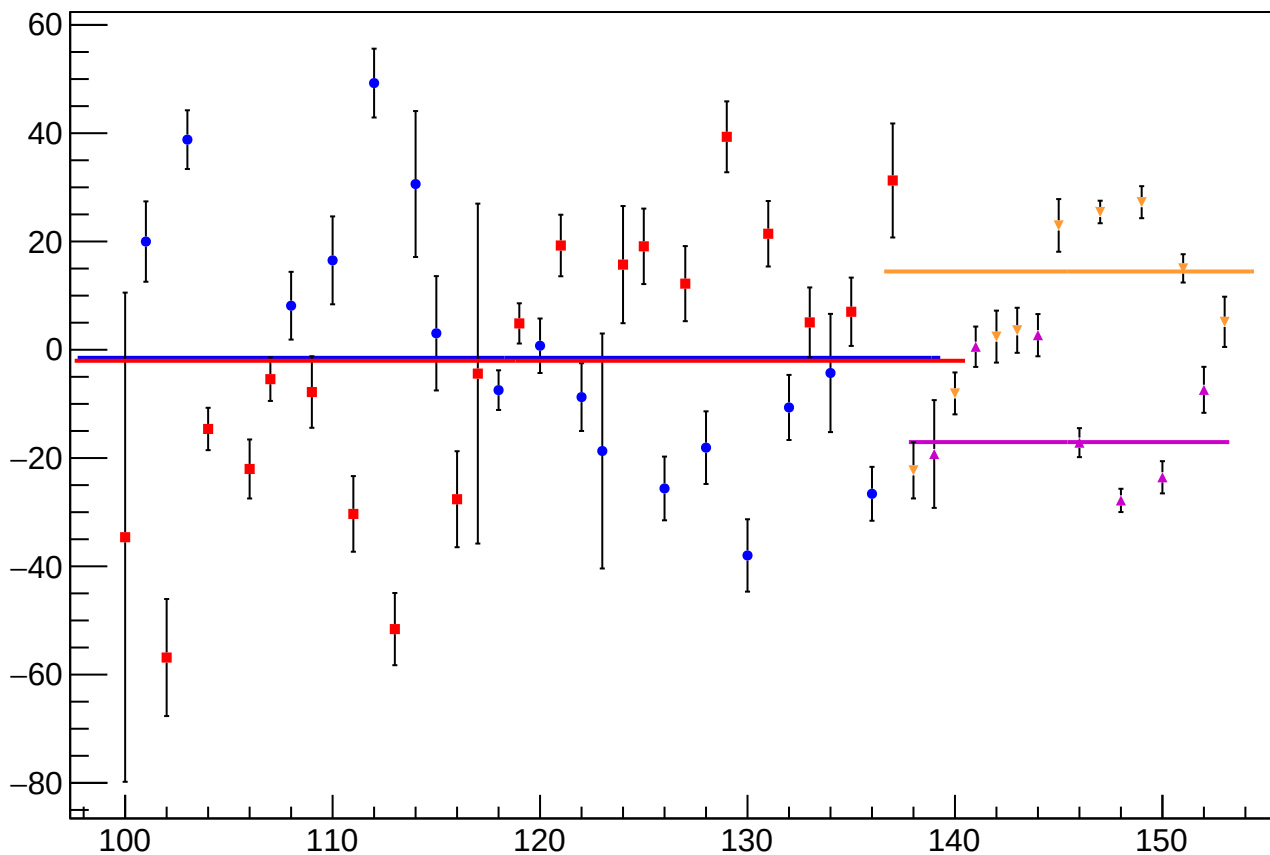
Left In: 266.062+/-1.881 χ^2/NDF : 113.0/6

-259.674+/-1.766 χ^2/NDF : 372.0/8

-13.266+/-1.287 χ^2/NDF : 42008.9/15

266.062+/-1.881 χ^2/NDF : 113.0/6

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: 14.460 ± 1.129 χ^2/NDF : 150.7/8

Right Out: -2.032 ± 1.398 χ^2/NDF : 233.3/19

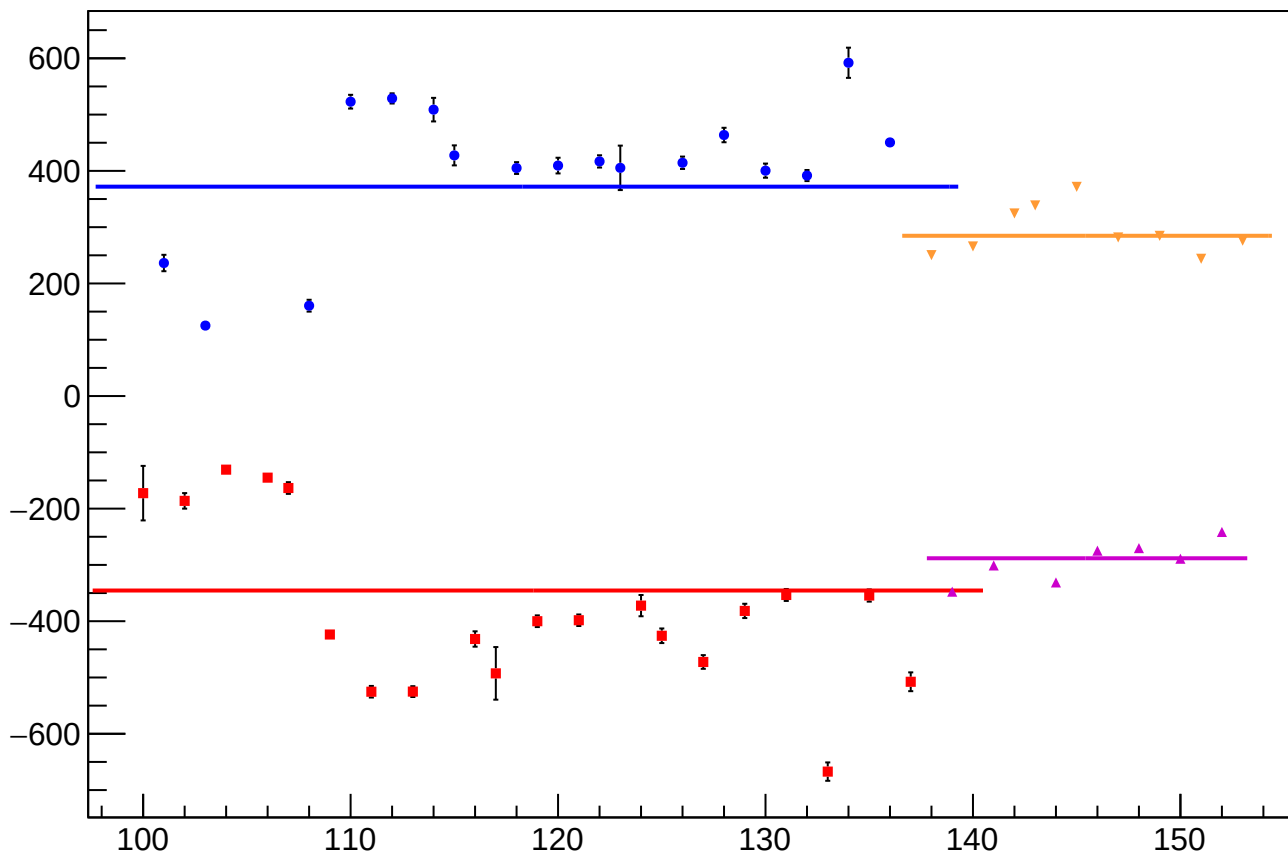
Left In: -17.056 ± 1.220 χ^2/NDF : 83.1/6

8.870 ± 0.909 χ^2/NDF : 446.6/25

-0.744 ± 0.647 χ^2/NDF : 1054.4/52

-10.563 ± 0.919 χ^2/NDF : 381.9/26

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: 284.718 $\pm$ 1.757 χ^2 /NDF: 431.0/8

Right Out: -345.485 $\pm$ 2.558 χ^2 /NDF: 3425.1/19

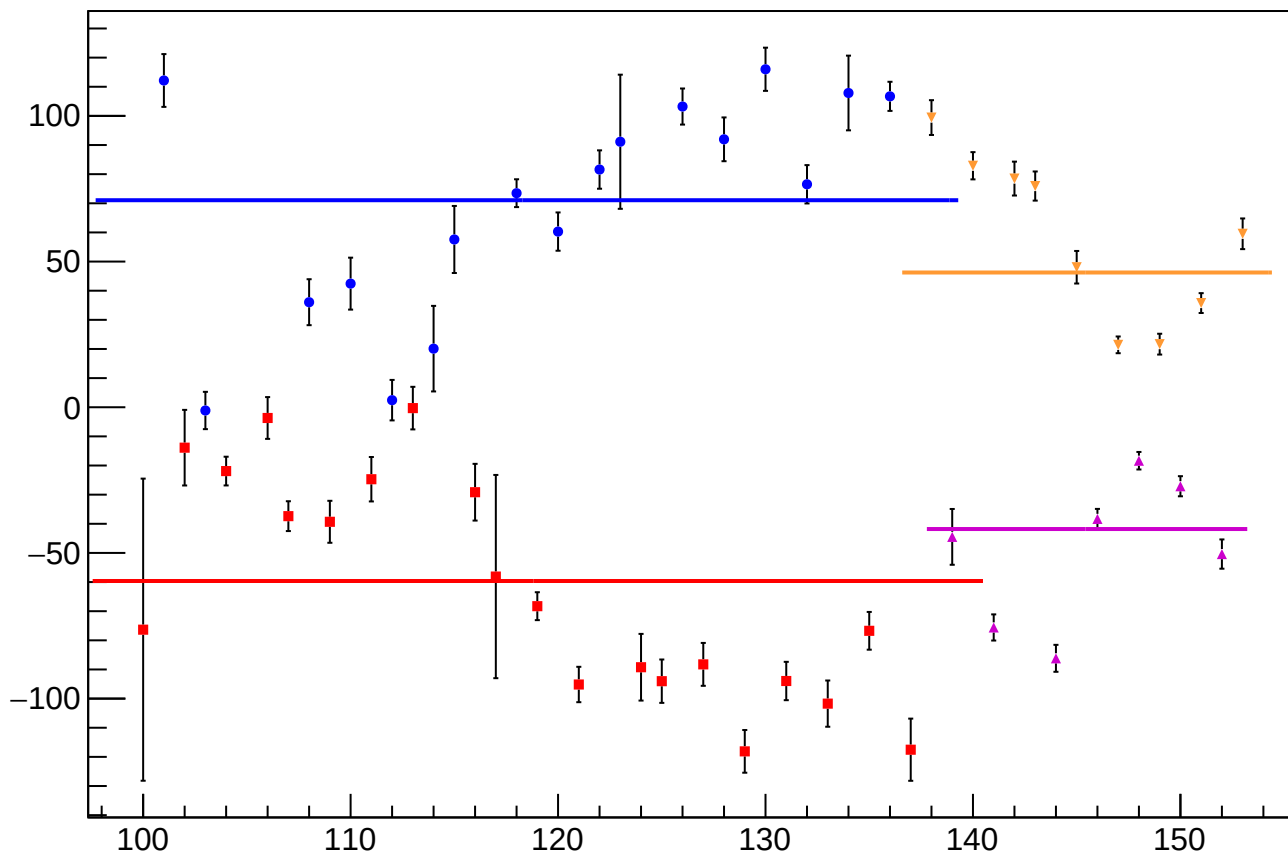
Left In: -288.197 $\pm$ 1.853 χ^2 /NDF: 259.2/6

309.649 $\pm$ 1.485 χ^2 /NDF: 3568.4/25

4.152 $\pm$ 1.055 χ^2 /NDF: 93163.0/52

-307.908 $\pm$ 1.501 χ^2 /NDF: 4013.3/26

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 ± 1.764 $\chi^2/\text{NDF}: 426.2/16$

Left Out: 46.248 ± 1.418 $\chi^2/\text{NDF}: 344.8/8$

Right Out: -59.634 ± 1.629 $\chi^2/\text{NDF}: 491.6/19$

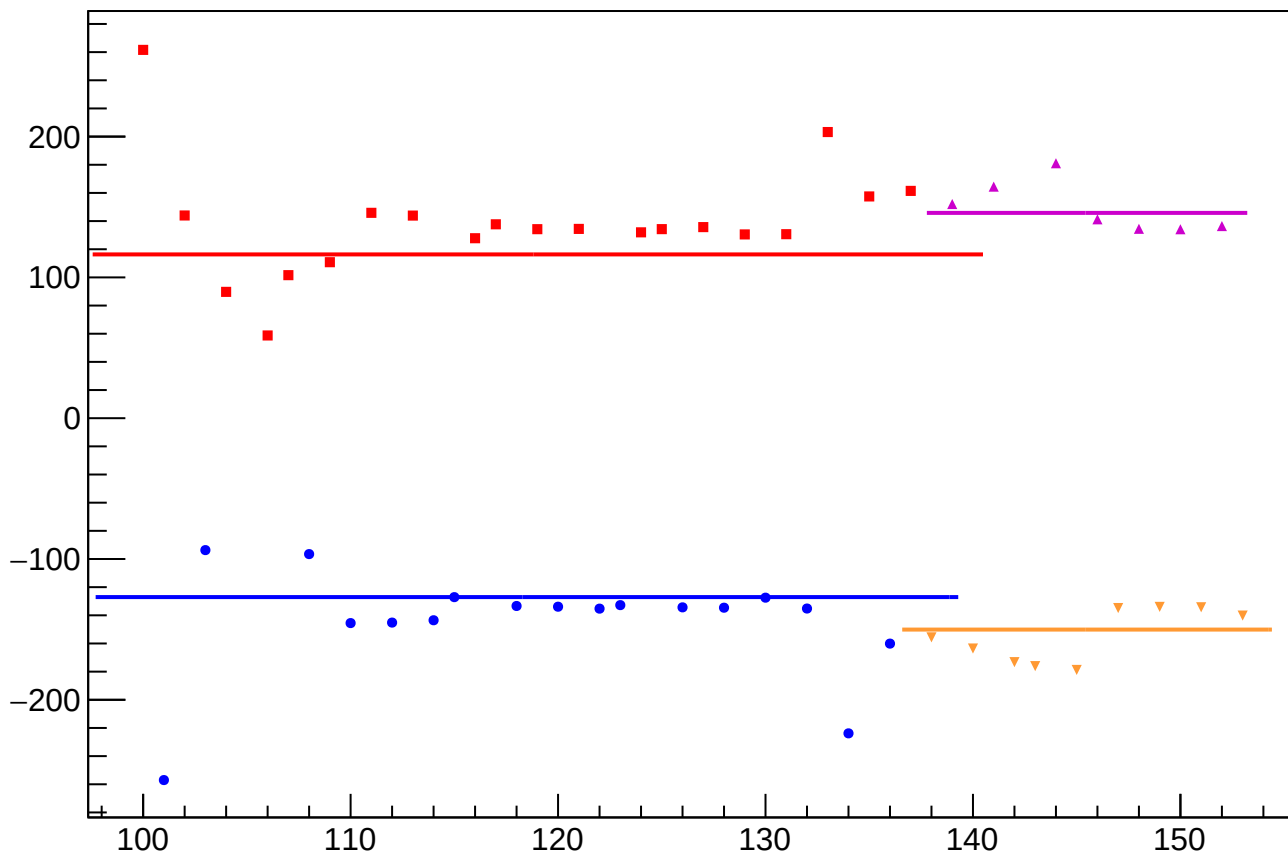
Left In: -41.797 ± 1.531 $\chi^2/\text{NDF}: 231.6/6$

55.985 ± 1.105 $\chi^2/\text{NDF}: 891.2/25$

3.421 ± 0.785 $\chi^2/\text{NDF}: 6246.2/52$

-50.163 ± 1.116 $\chi^2/\text{NDF}: 786.9/26$

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: -150.127+/-0.074 χ^2/NDF : 55629.6/8

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

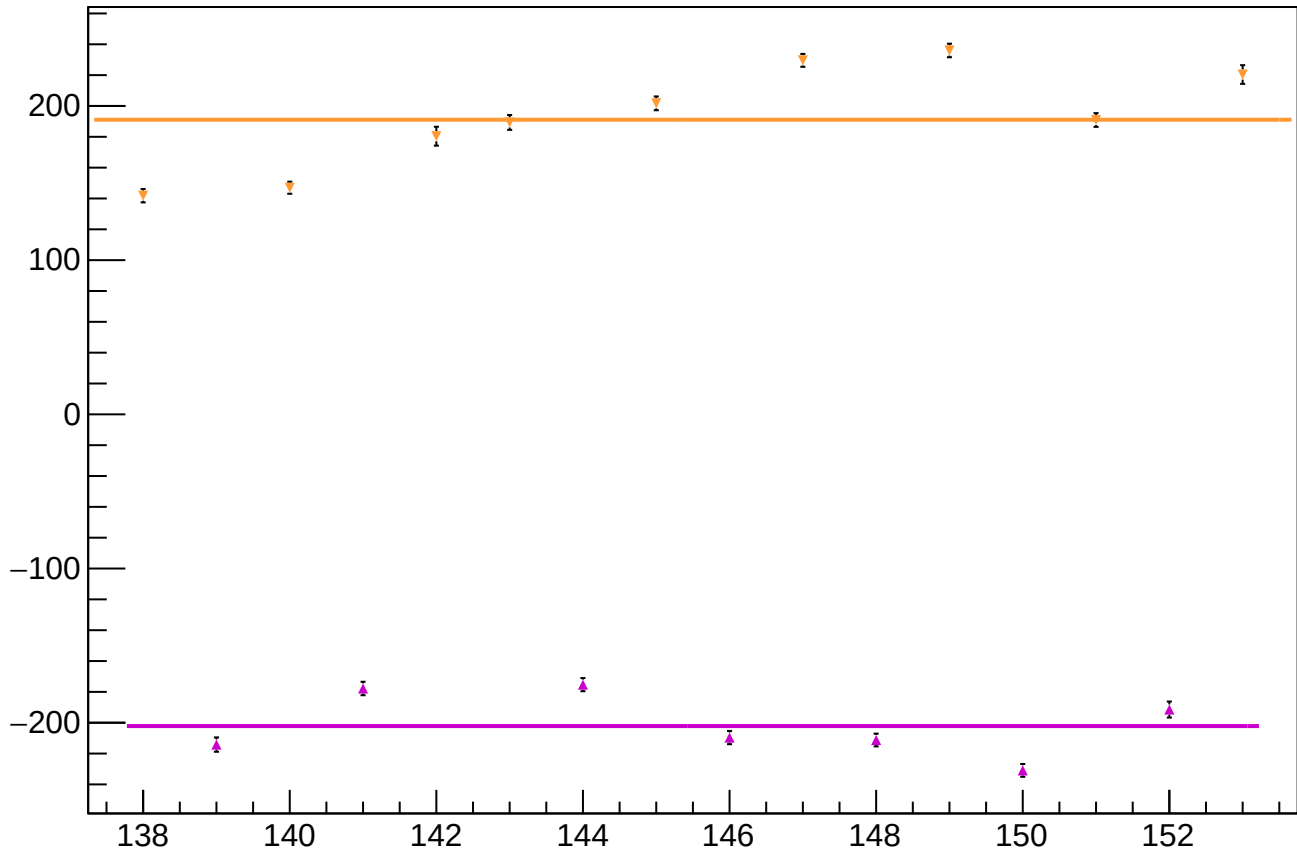
Left In: 145.816+/-0.077 χ^2/NDF : 37490.1/6

-140.797+/-0.057 χ^2/NDF : 262011.0/25

-3.191+/-0.040 χ^2/NDF : 12058088.2/52

132.079+/-0.057 χ^2/NDF : 272254.3/26

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: 191.077 +/- 1.538 χ^2/NDF : 474.2/8

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

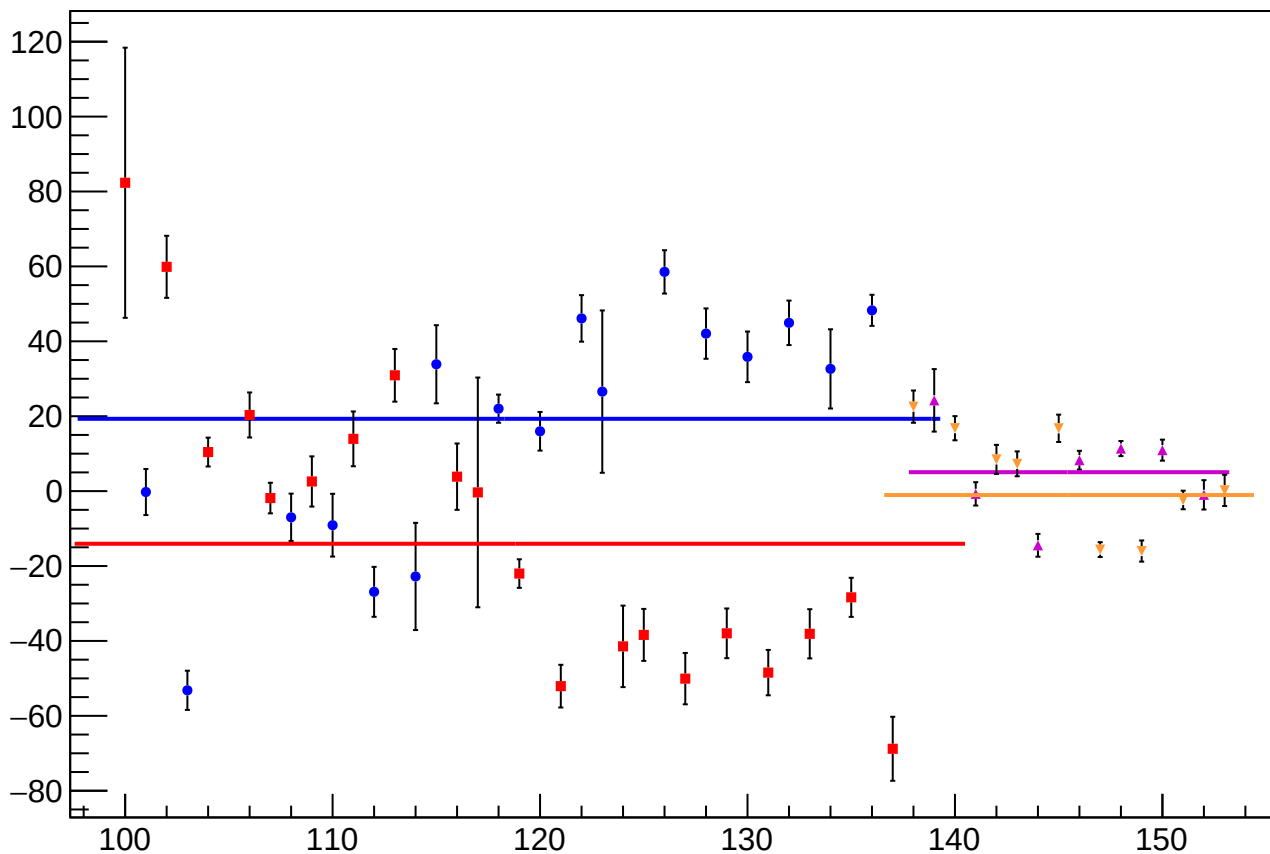
Left In: -202.174 +/- 1.667 χ^2/NDF : 137.1/6

191.077 +/- 1.538 χ^2/NDF : 474.2/8

10.171 +/- 1.131 χ^2/NDF : 30667.8/15

-202.174 +/- 1.667 χ^2/NDF : 137.1/6

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: -1.046 ± 1.009 $\chi^2/\text{NDF}: 179.1/8$

Right Out: -14.055 ± 1.388 $\chi^2/\text{NDF}: 437.1/19$

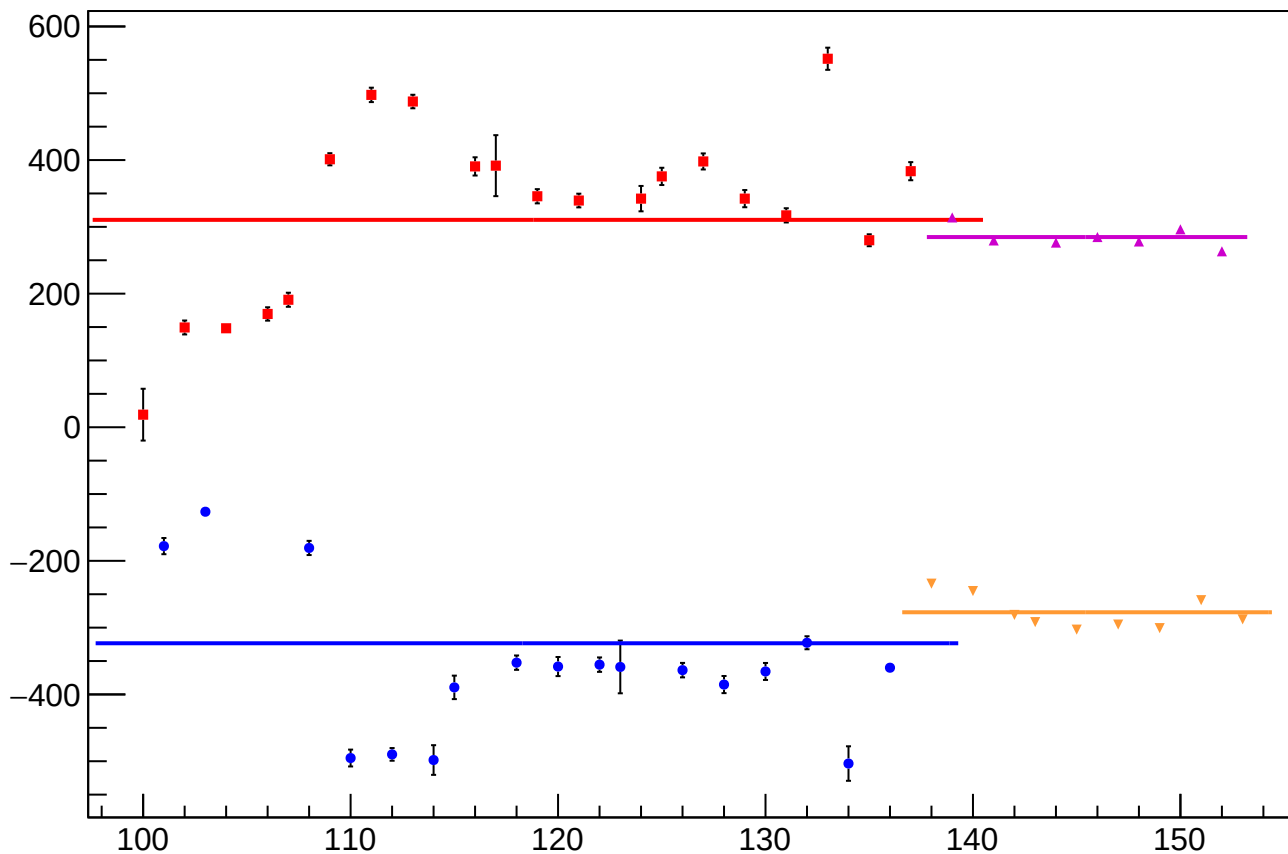
Left In: 5.054 ± 1.103 $\chi^2/\text{NDF}: 67.9/6$

5.294 ± 0.837 $\chi^2/\text{NDF}: 747.1/25$

1.595 ± 0.601 $\chi^2/\text{NDF}: 1408.5/52$

-2.339 ± 0.864 $\chi^2/\text{NDF}: 621.1/26$

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: -276.992 ± 1.547 χ^2/NDF : 255.5/8

Right Out: 310.484 ± 2.520 χ^2/NDF : 2302.0/19

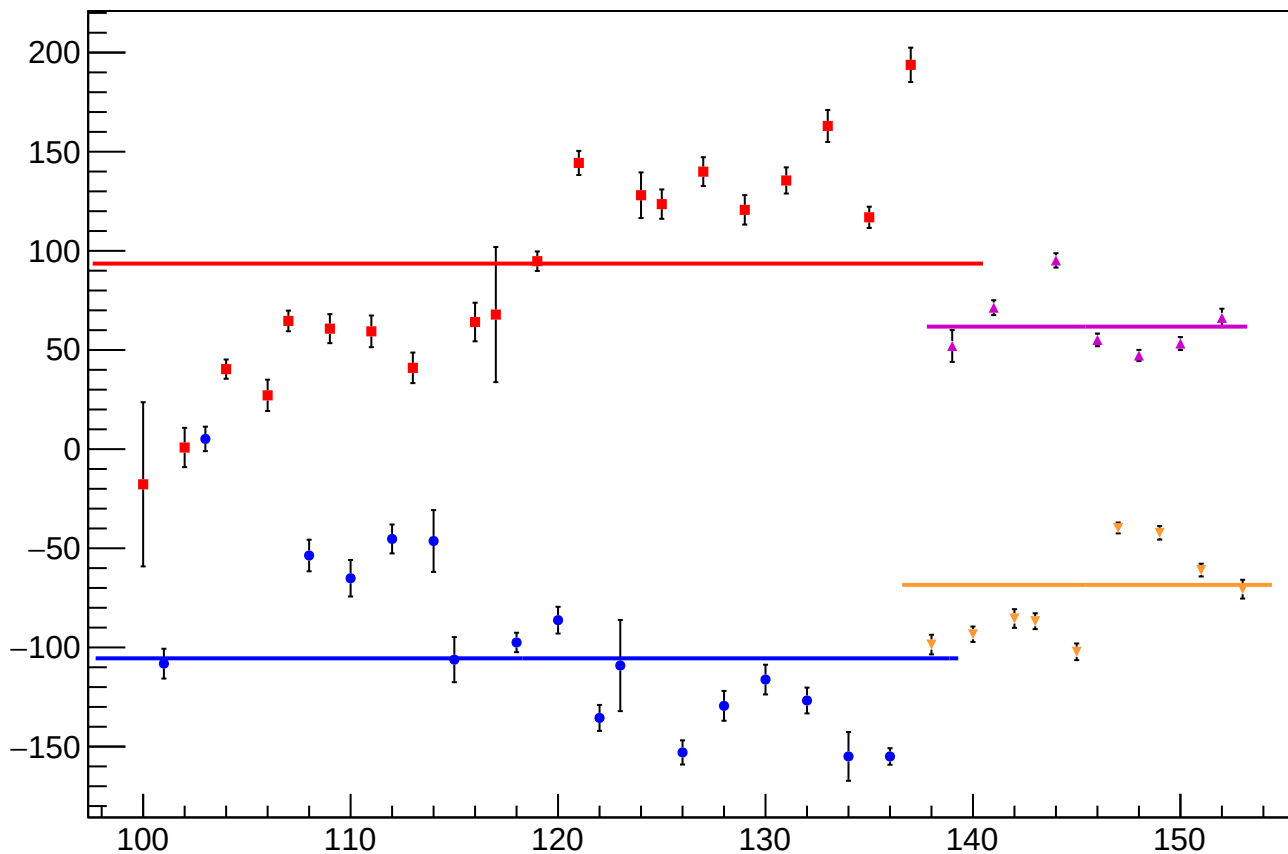
Left In: 284.734 ± 1.655 χ^2/NDF : 68.4/6

-288.560 ± 1.340 χ^2/NDF : 2329.6/25

-7.322 ± 0.963 χ^2/NDF : 95785.3/52

292.499 ± 1.384 χ^2/NDF : 2443.4/26

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: -68.451 ± 1.258 χ^2/NDF : 351.1/8

Right Out: 93.579 ± 1.608 χ^2/NDF : 827.7/19

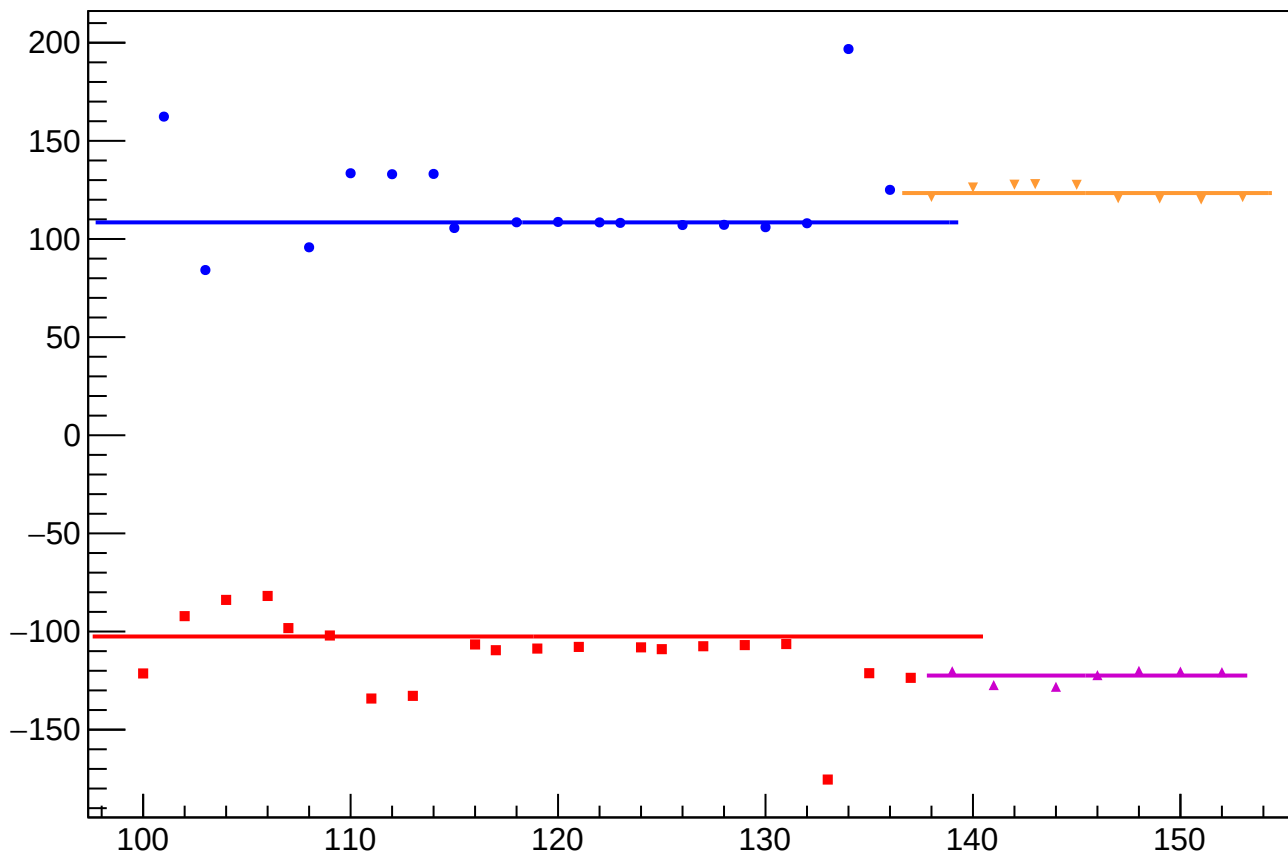
Left In: 61.793 ± 1.377 χ^2/NDF : 132.0/6

-81.443 ± 1.014 χ^2/NDF : 1392.4/25

-5.557 ± 0.728 χ^2/NDF : 14144.6/52

75.241 ± 1.046 χ^2/NDF : 1185.0/26

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 123.406 ± 0.065 $\chi^2/\text{NDF}: 2480.7/8$

Right Out: -102.532 ± 0.079 $\chi^2/\text{NDF}: 53003.2/19$

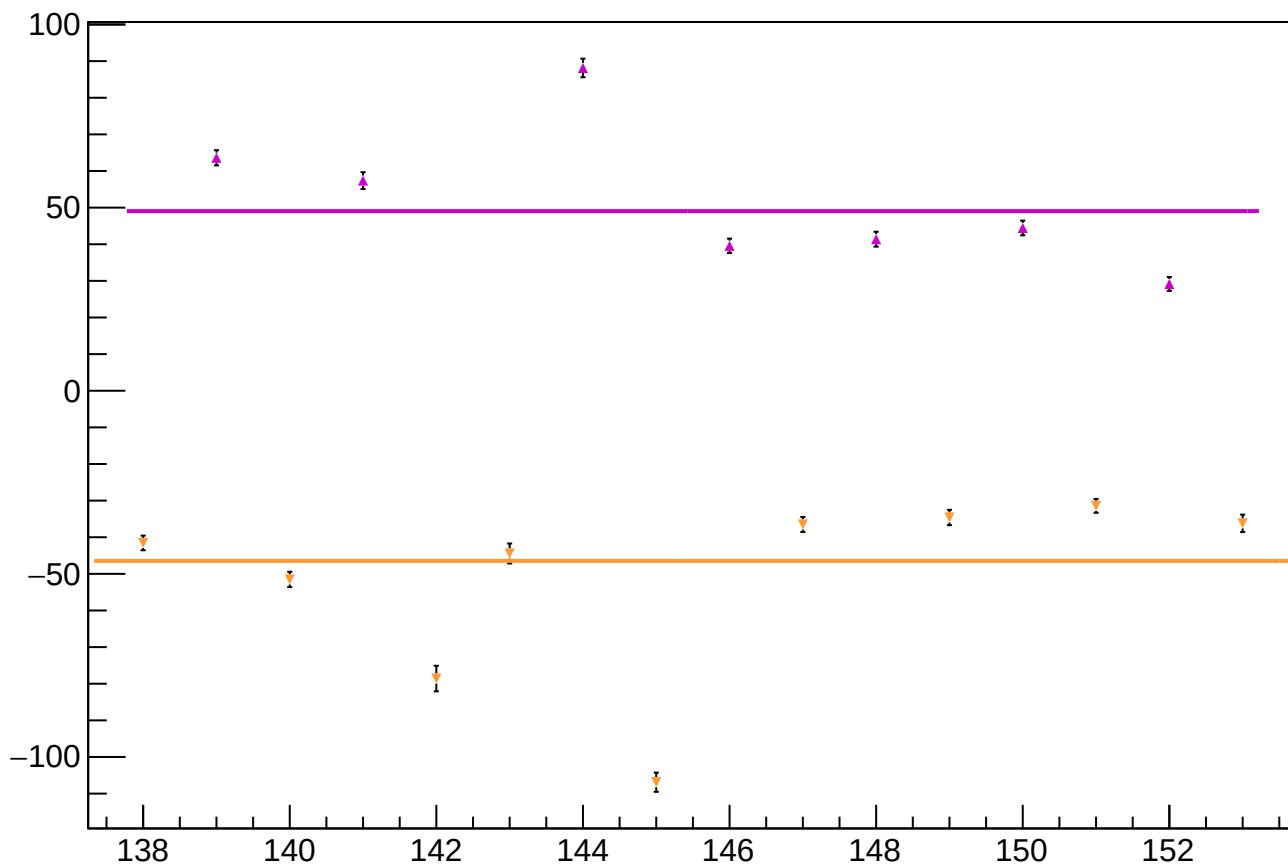
Left In: -122.433 ± 0.069 $\chi^2/\text{NDF}: 2073.9/6$

117.929 ± 0.051 $\chi^2/\text{NDF}: 95370.4/25$

3.405 ± 0.037 $\chi^2/\text{NDF}: 10213752.5/52$

-113.892 ± 0.052 $\chi^2/\text{NDF}: 90857.5/26$

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: -46.460+/-0.752 χ^2 /NDF: 767.5/8

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

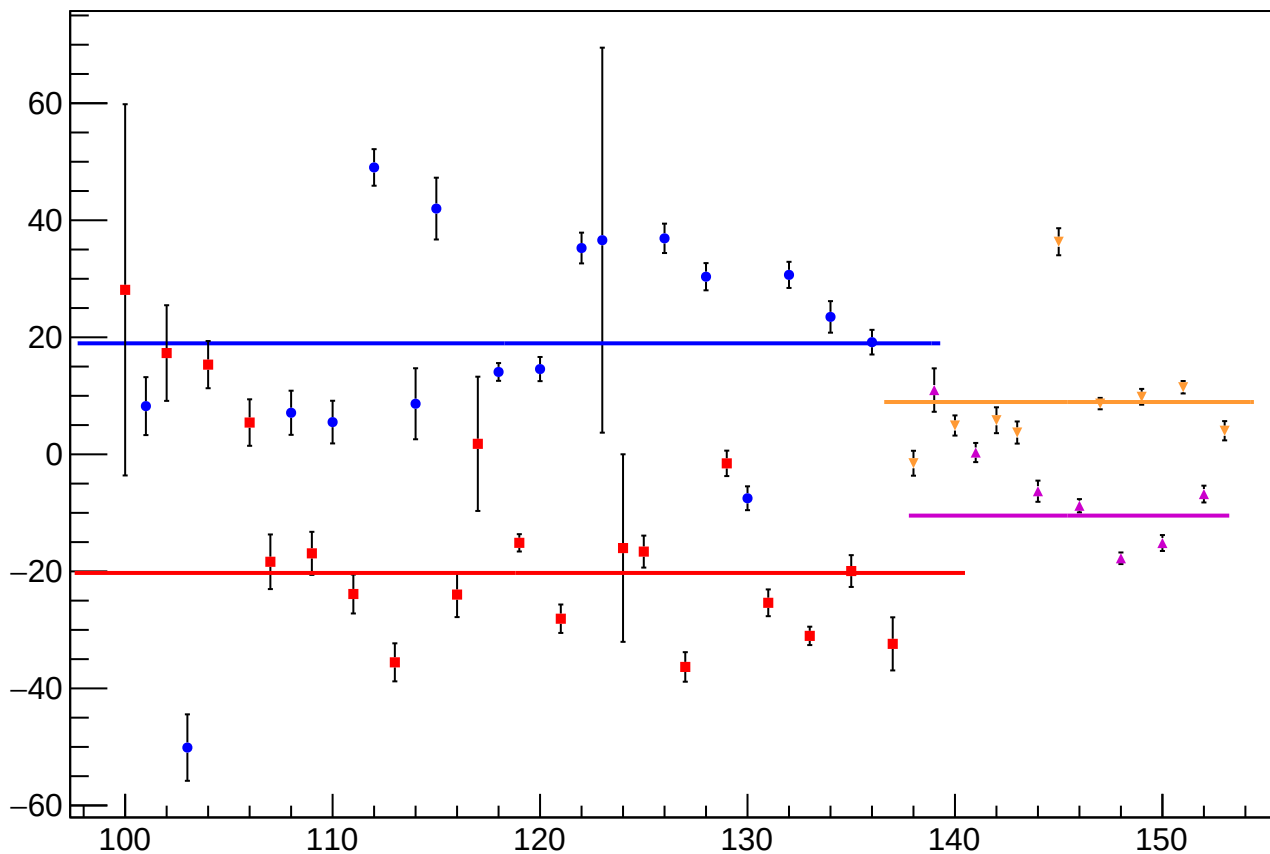
Left In: 49.057+/-0.789 χ^2 /NDF: 453.2/6

-46.460+/-0.752 χ^2 /NDF: 767.5/8

-0.942+/-0.544 χ^2 /NDF: 8901.5/15

49.057+/-0.789 χ^2 /NDF: 453.2/6

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: 8.942 ± 0.495 χ^2/NDF : 194.7/8

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

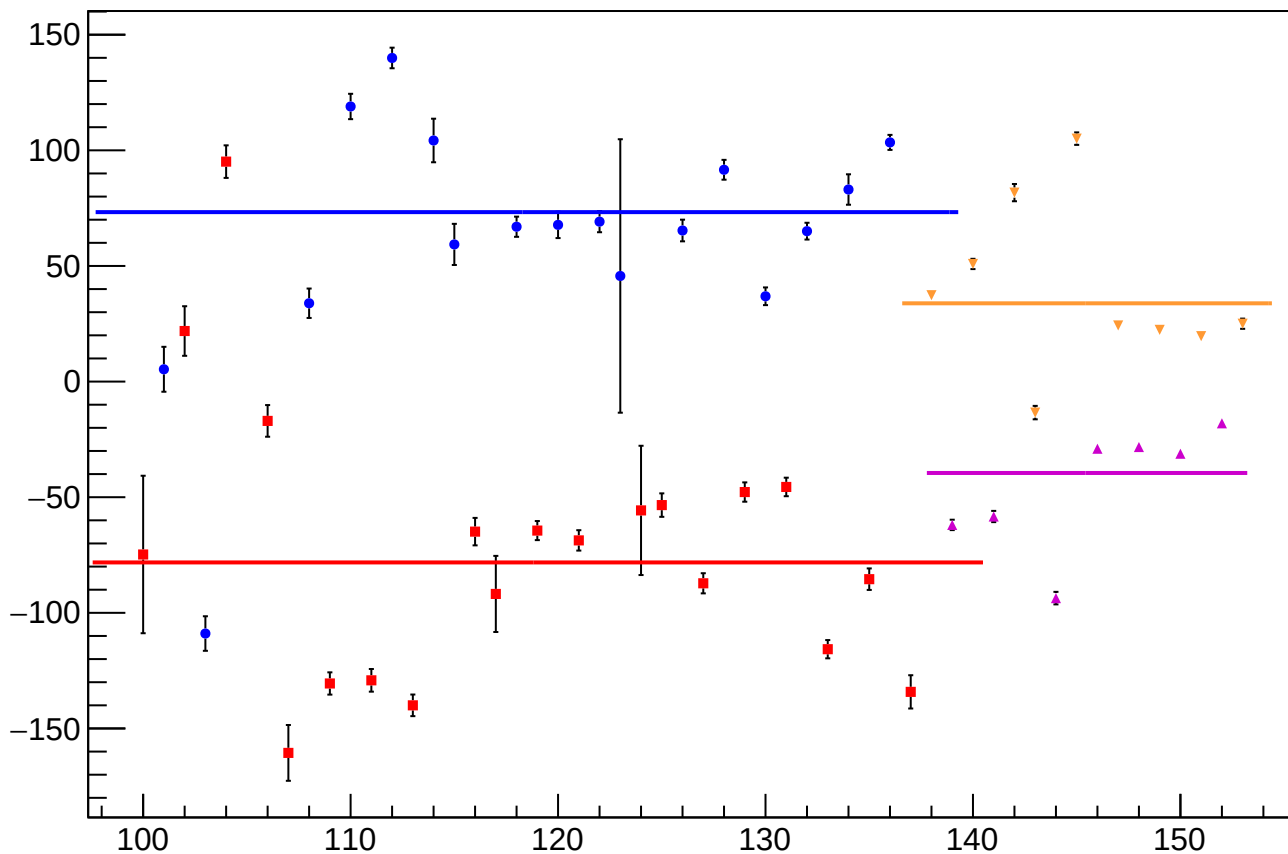
Left In: -10.470 ± 0.530 χ^2/NDF : 156.6/6

12.600 ± 0.394 χ^2/NDF : 962.9/25

-0.450 ± 0.284 χ^2/NDF : 3897.8/52

-14.446 ± 0.408 χ^2/NDF : 665.5/26

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278+/-1.236 χ^2/NDF : 1198.6/16

Left Out: 33.845+/-0.748 χ^2/NDF : 1321.1/8

Right Out: -78.205+/-1.219 χ^2/NDF : 1544.0/19

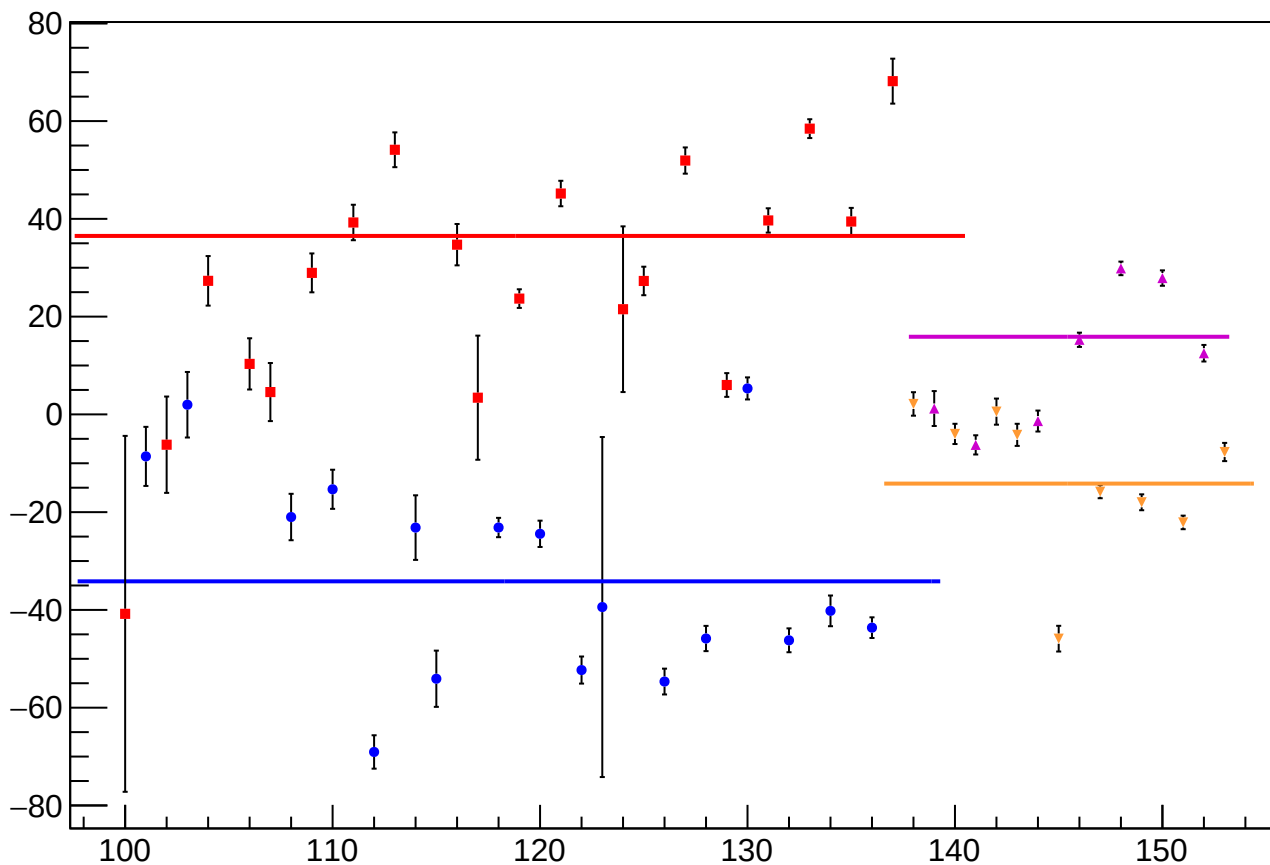
Left In: -39.521+/-0.778 χ^2/NDF : 783.2/6

44.408+/-0.640 χ^2/NDF : 3264.4/25

-1.970+/-0.458 χ^2/NDF : 17080.5/52

-50.725+/-0.656 χ^2/NDF : 3042.4/26

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: -14.160 ± 0.617 χ^2/NDF : 317.2/8

Right Out: 36.507 ± 0.735 χ^2/NDF : 553.8/19

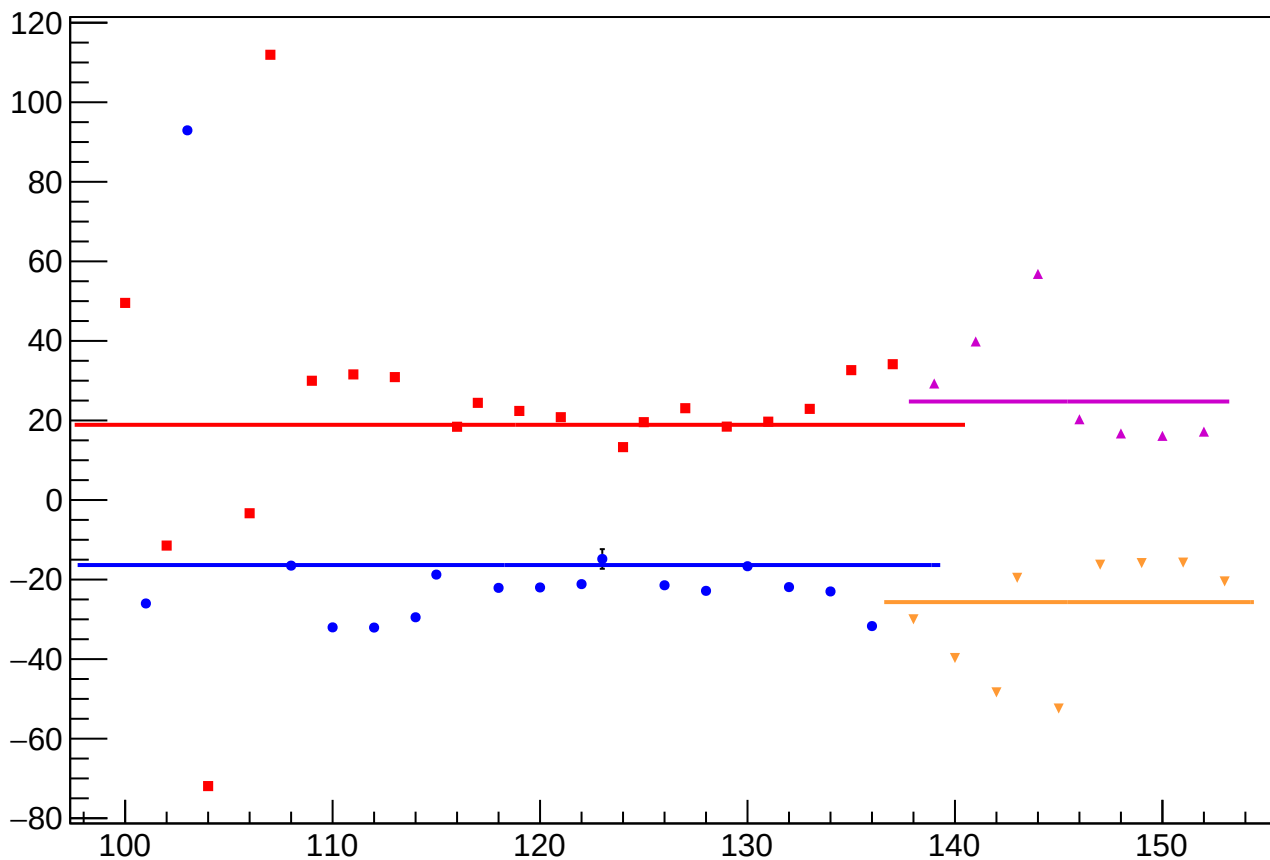
Left In: 15.881 ± 0.660 χ^2/NDF : 371.9/6

-22.293 ± 0.475 χ^2/NDF : 1462.1/25

0.621 ± 0.341 χ^2/NDF : 7635.4/52

25.098 ± 0.491 χ^2/NDF : 1361.8/26

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: -25.667 ± 0.031 χ^2/NDF : 156736.4/8

Right Out: 18.906 ± 0.045 χ^2/NDF : 433847.1/19

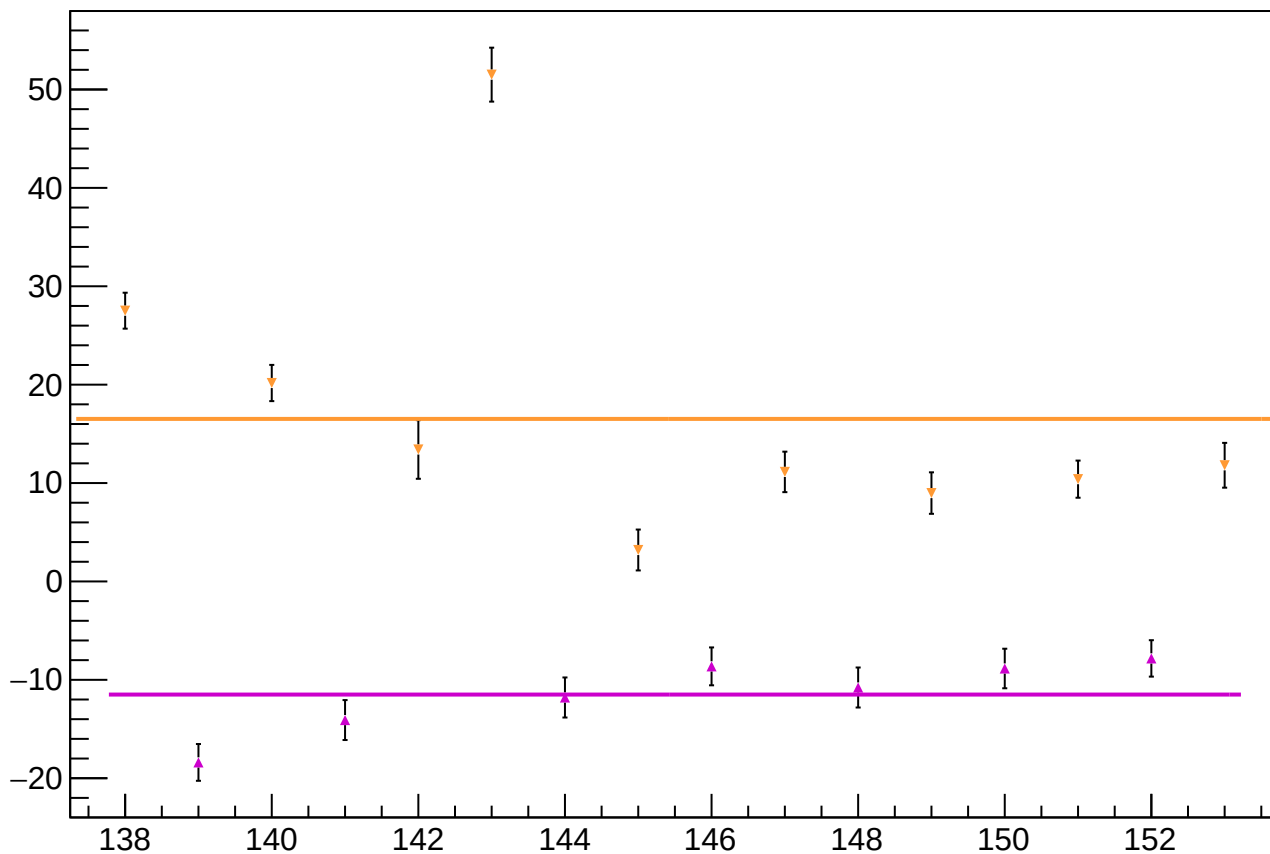
Left In: 24.762 ± 0.032 χ^2/NDF : 134352.5/6

-22.634 ± 0.025 χ^2/NDF : 660314.6/25

-0.607 ± 0.018 χ^2/NDF : 2782308.0/52

22.789 ± 0.026 χ^2/NDF : 579322.1/26

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: 16.519+/-0.706 χ^2/NDF : 279.7/8

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

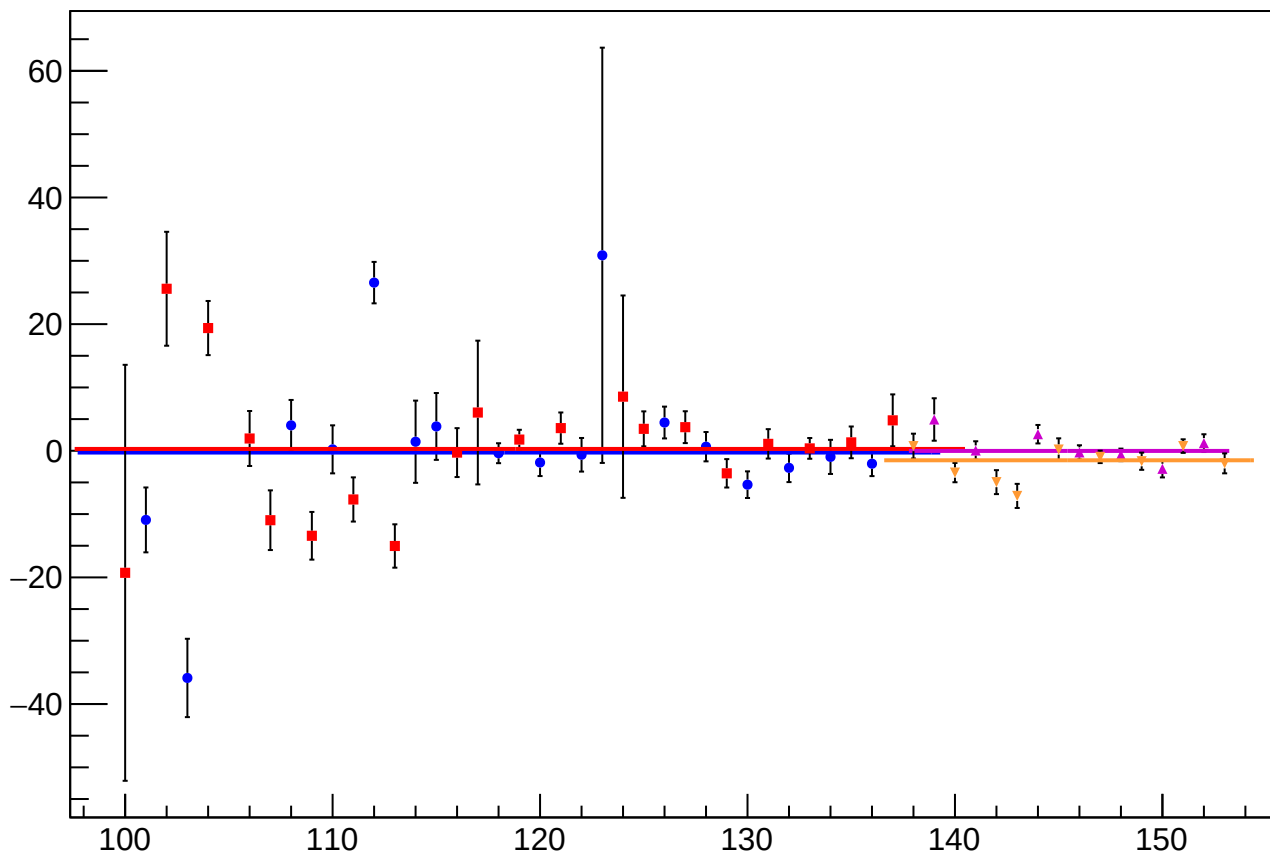
Left In: -11.498+/-0.741 χ^2/NDF : 23.3/6

16.519+/-0.706 χ^2/NDF : 279.7/8

3.188+/-0.511 χ^2/NDF : 1052.5/15

-11.498+/-0.741 χ^2/NDF : 23.3/6

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: -1.503 ± 0.475 χ^2/NDF : 20.7/8

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

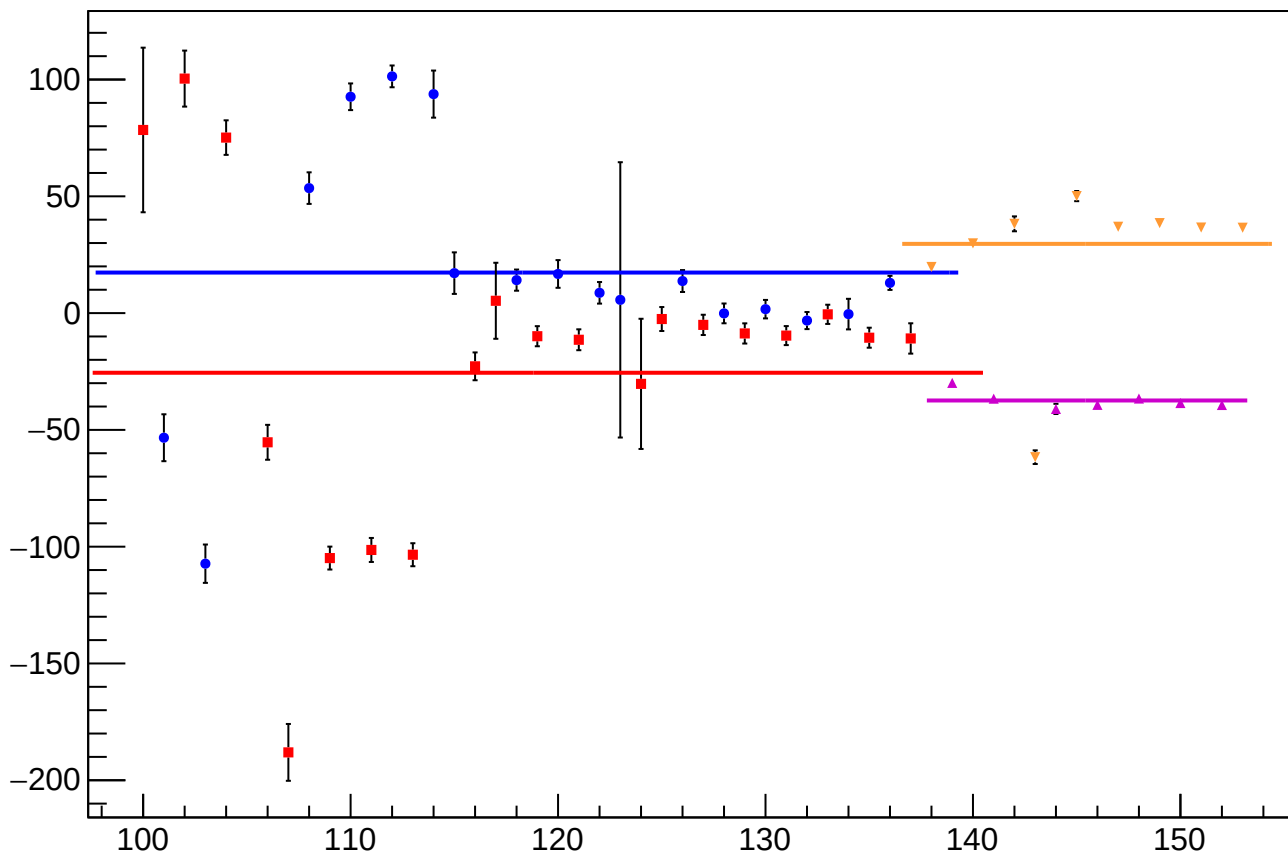
Left In: -0.025 ± 0.507 χ^2/NDF : 11.0/6

-1.087 ± 0.386 χ^2/NDF : 142.5/25

-0.520 ± 0.278 χ^2/NDF : 241.6/52

0.093 ± 0.401 χ^2/NDF : 94.6/26

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 29.643 ± 0.707 $\chi^2/\text{NDF}: 1154.8/8$

Right Out: -25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

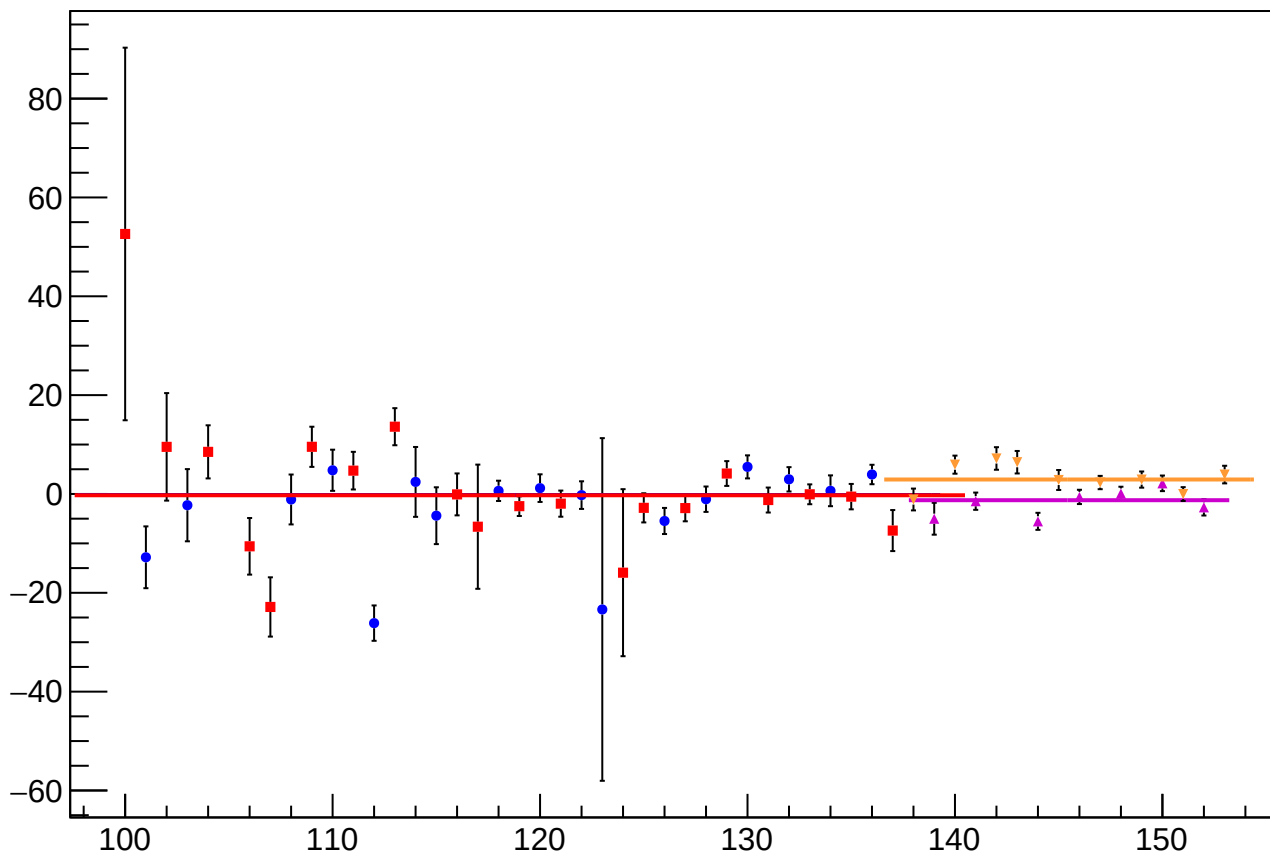
Left In: -37.408 ± 0.737 $\chi^2/\text{NDF}: 19.5/6$

26.653 ± 0.615 $\chi^2/\text{NDF}: 2171.2/25$

-2.930 ± 0.441 $\chi^2/\text{NDF}: 8406.1/52$

-34.306 ± 0.634 $\chi^2/\text{NDF}: 1469.7/26$

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: 2.926 ± 0.589 χ^2/NDF : 16.9/8

Right Out: -0.262 ± 0.747 χ^2/NDF : 54.8/19

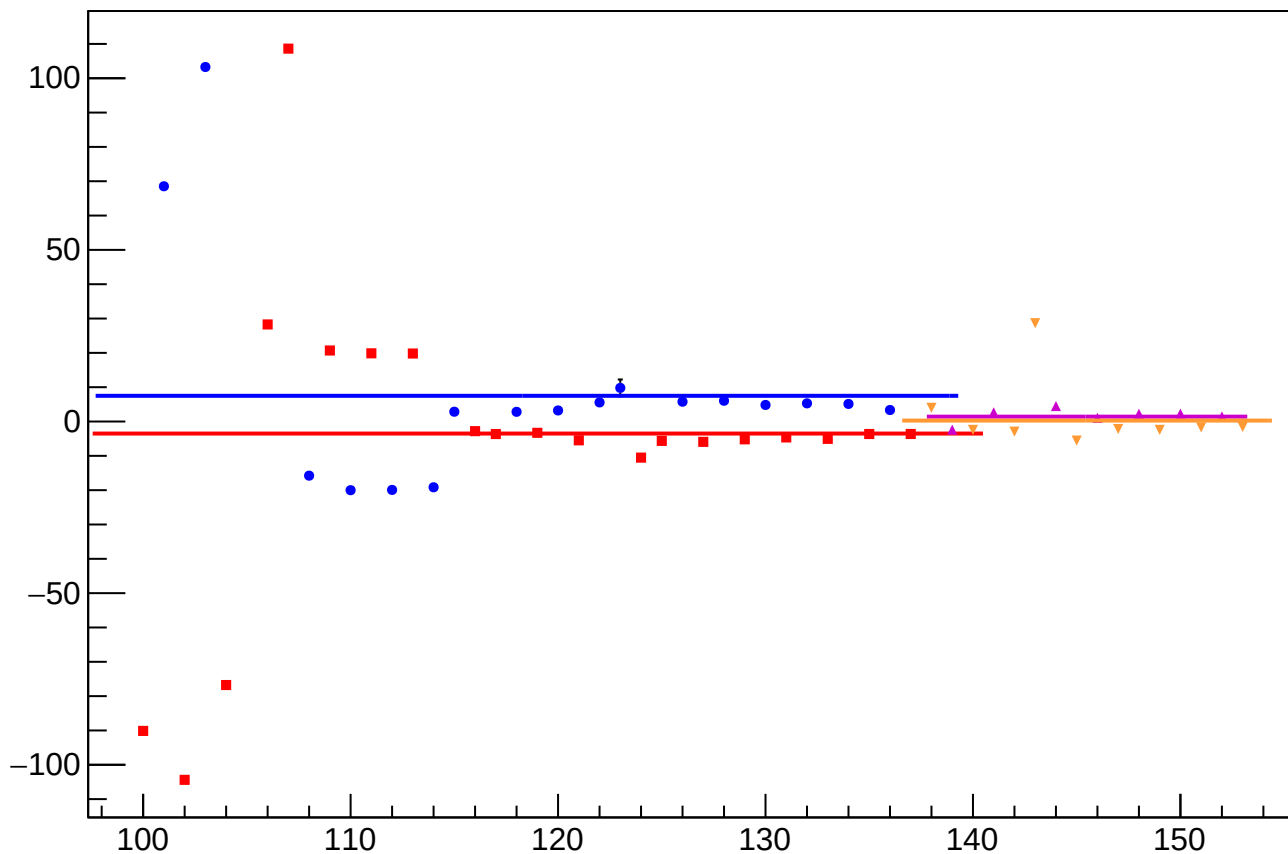
Left In: -1.262 ± 0.629 χ^2/NDF : 14.1/6

1.734 ± 0.463 χ^2/NDF : 103.5/25

0.492 ± 0.334 χ^2/NDF : 188.4/52

-0.847 ± 0.481 χ^2/NDF : 69.9/26

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: 0.277 ± 0.029 χ^2/NDF : 70280.7/8

Right Out: -3.504 ± 0.046 χ^2/NDF : 510579.5/19

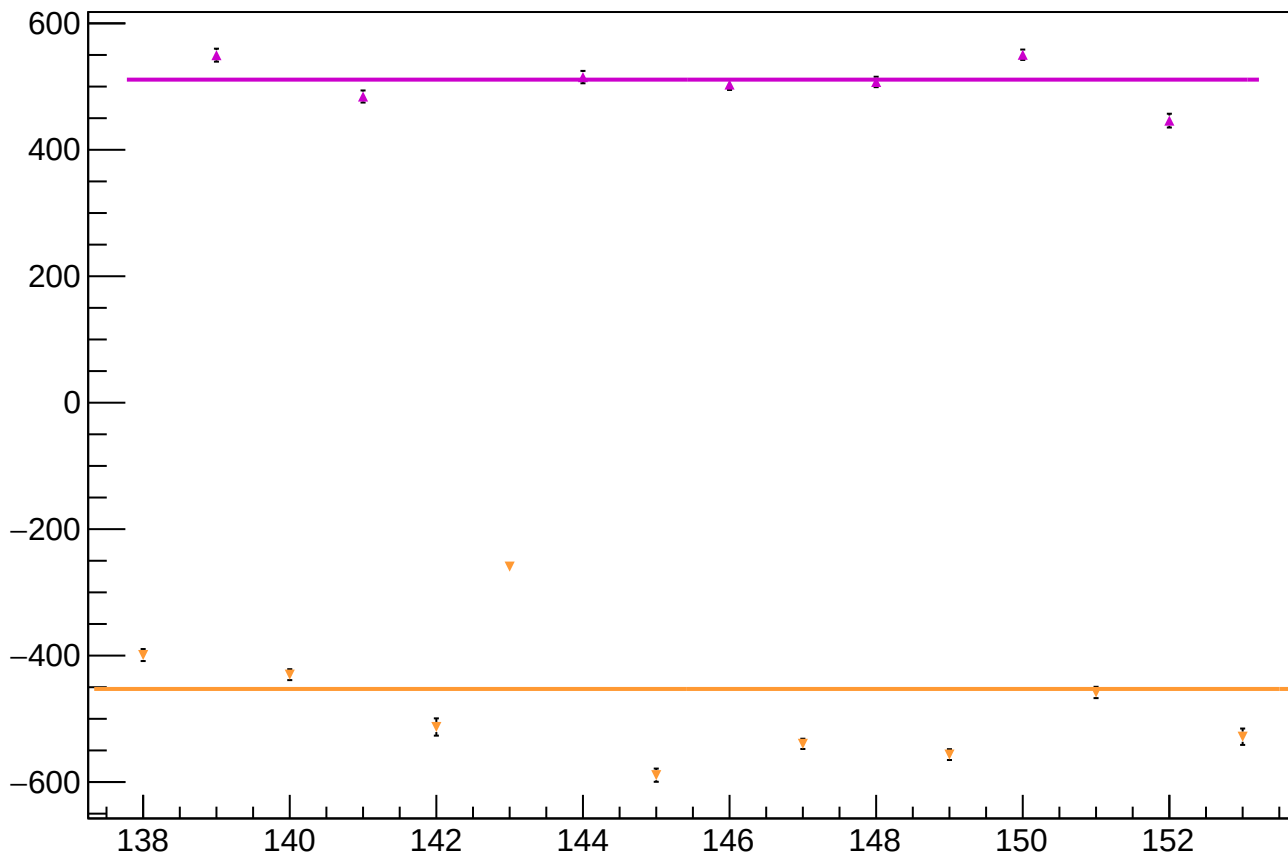
Left In: 1.417 ± 0.030 χ^2/NDF : 4349.3/6

2.434 ± 0.024 χ^2/NDF : 444578.9/25

1.212 ± 0.018 χ^2/NDF : 972784.6/52

-0.101 ± 0.025 χ^2/NDF : 523004.3/26

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: -452.754+/-3.064 χ^2/NDF : 1284.0/8

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

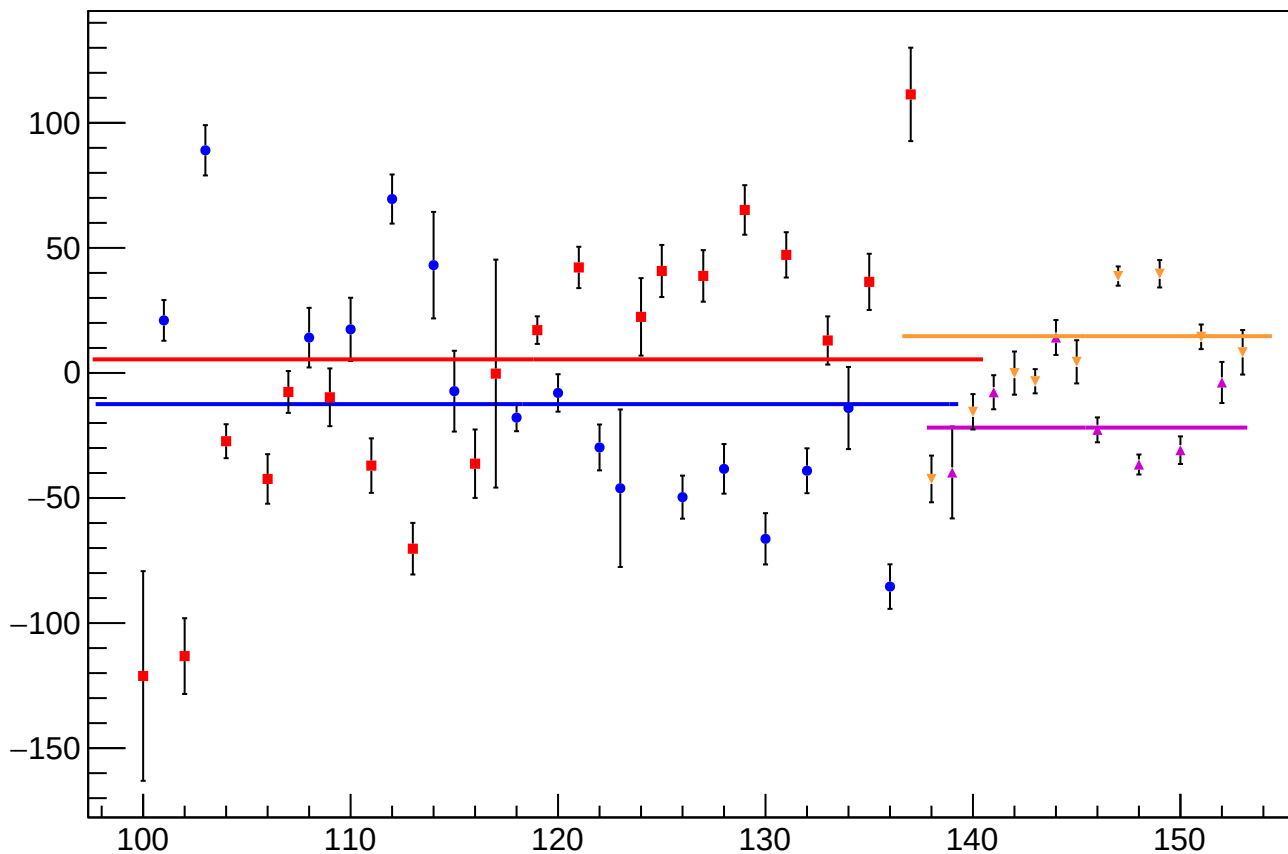
Left In: 510.978+/-3.482 χ^2/NDF : 81.6/6

-452.754+/-3.064 χ^2/NDF : 1284.0/8

-32.110+/-2.300 χ^2/NDF : 44536.2/15

510.978+/-3.482 χ^2/NDF : 81.6/6

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 $\pm$ 2.349 χ^2 /NDF: 341.1/16

Left Out: 14.710 $\pm$ 1.977 χ^2 /NDF:134.2/8

Right Out: 5.439 $\pm$ 2.256 χ^2 /NDF: 345.0/19

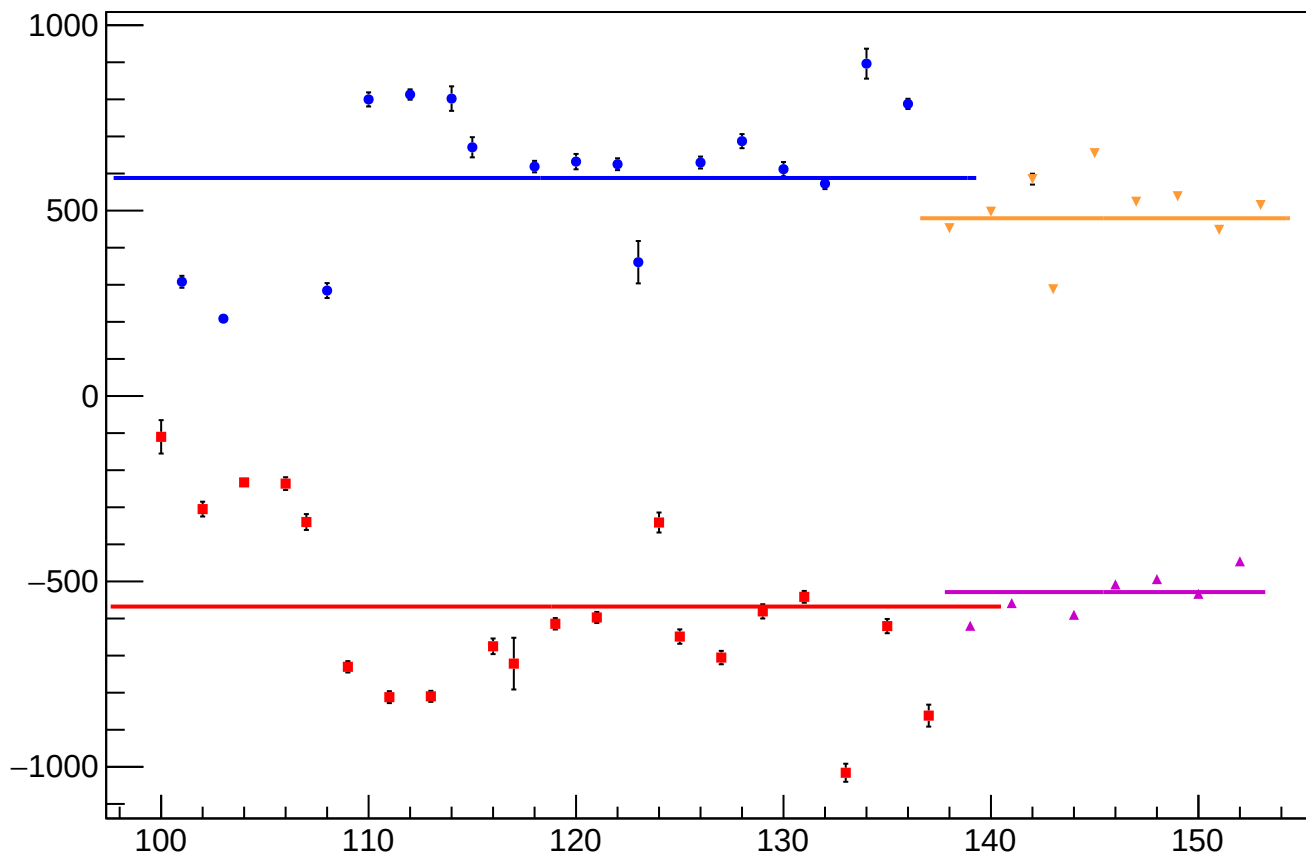
Left In: -21.842 $\pm$ 2.260 χ^2 /NDF:53.2/6

3.441 $\pm$ 1.513 χ^2 /NDF: 553.6/25

-2.056 $\pm$ 1.098 χ^2 /NDF: 1052.7/52

-8.179 $\pm$ 1.596 χ^2 /NDF: 471.2/26

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 479.368 ± 3.077 $\chi^2/\text{NDF}: 1080.9/8$

Right Out: -567.720 ± 4.129 $\chi^2/\text{NDF}: 2788.1/19$

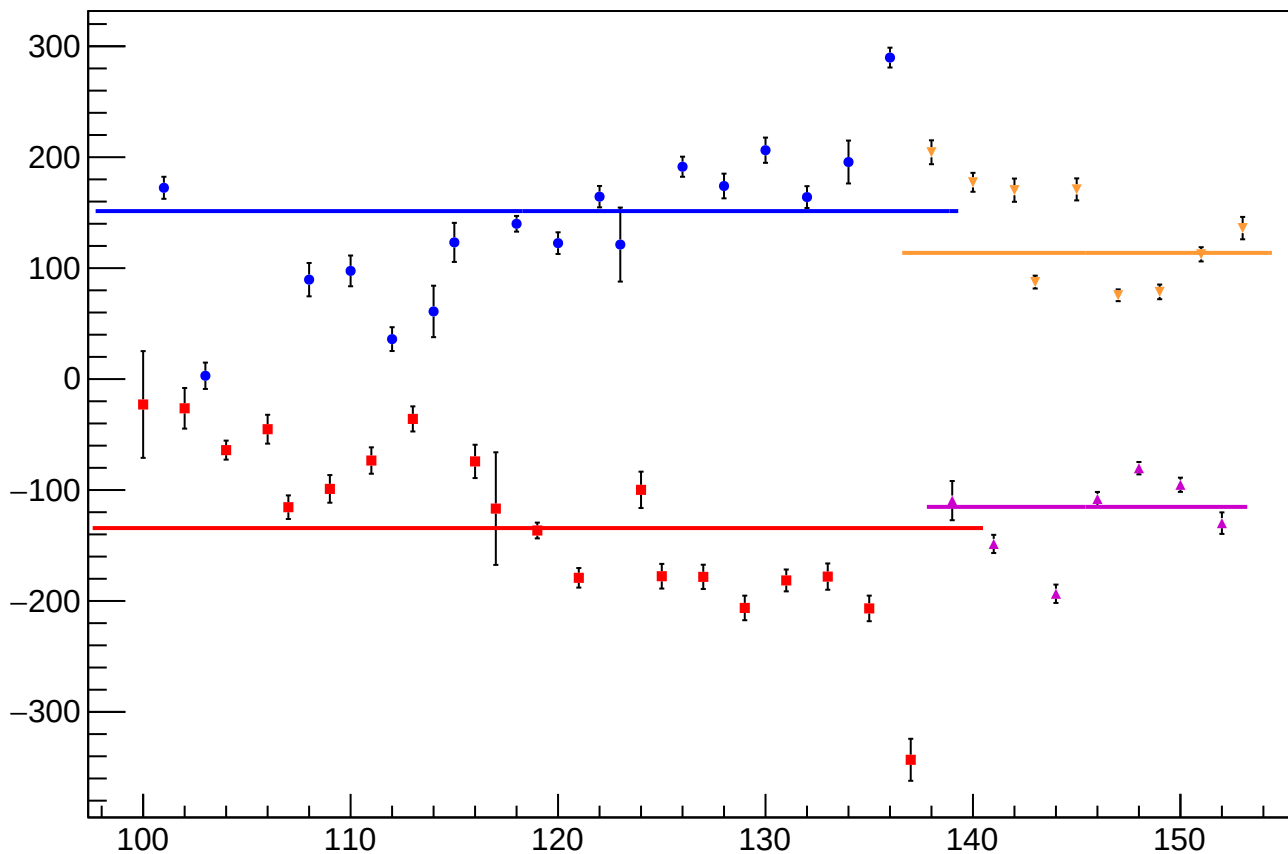
Left In: -528.679 ± 3.435 $\chi^2/\text{NDF}: 199.7/6$

515.559 ± 2.512 $\chi^2/\text{NDF}: 3625.8/25$

11.852 ± 1.820 $\chi^2/\text{NDF}: 91269.2/52$

-544.651 ± 2.641 $\chi^2/\text{NDF}: 3040.6/26$

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: 113.753 $\pm$ 2.471 χ^2/NDF :294.4/8

Right Out: -134.299 $\pm$ 2.612 χ^2/NDF : 585.0/19

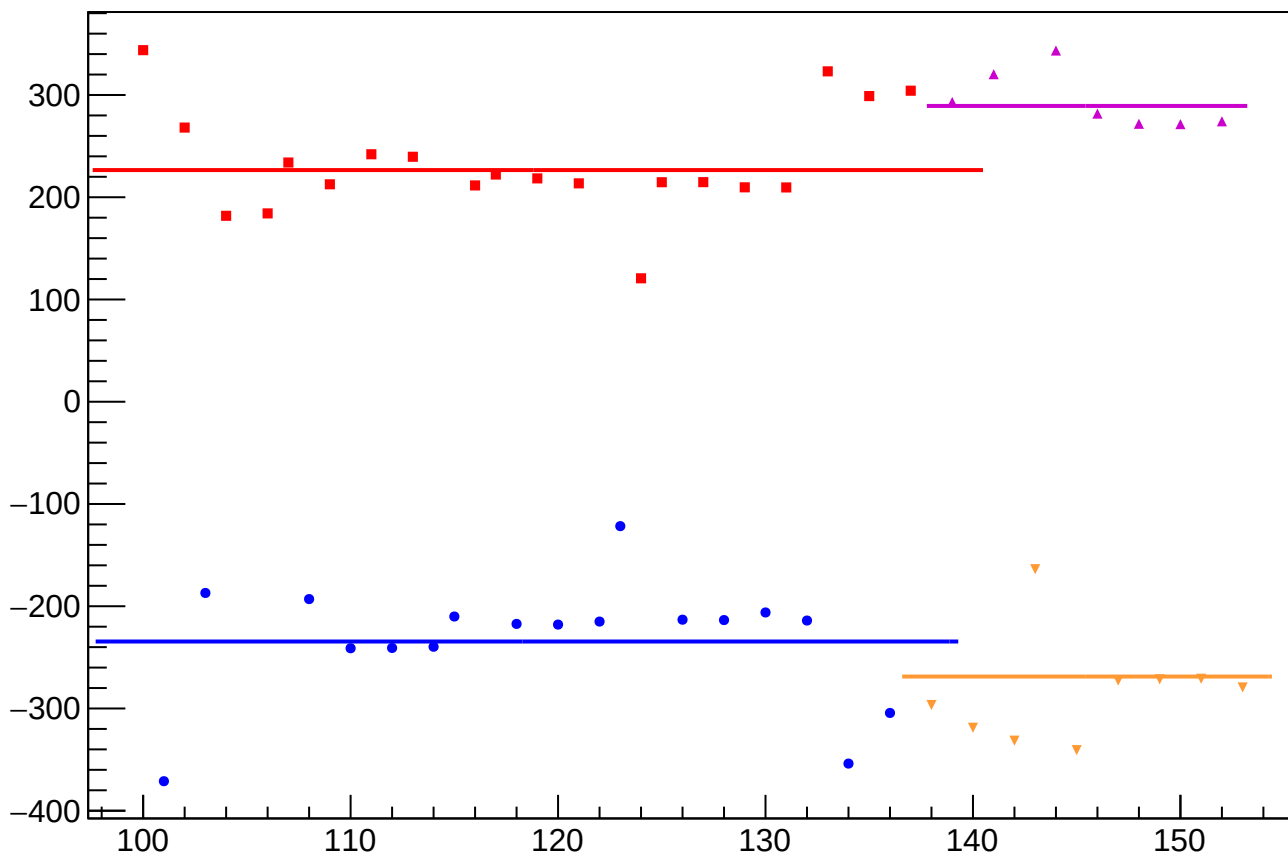
Left In: -115.196 $\pm$ 2.836 χ^2/NDF :158.5/6

130.863 $\pm$ 1.826 χ^2/NDF : 1033.2/25

9.193 $\pm$ 1.324 χ^2/NDF : 11158.9/52

-125.531 $\pm$ 1.921 χ^2/NDF : 768.1/26

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -268.763 ± 0.129 $\chi^2/\text{NDF}: 181599.8/8$

Right Out: 226.572 ± 0.141 $\chi^2/\text{NDF}: 98970.7/19$

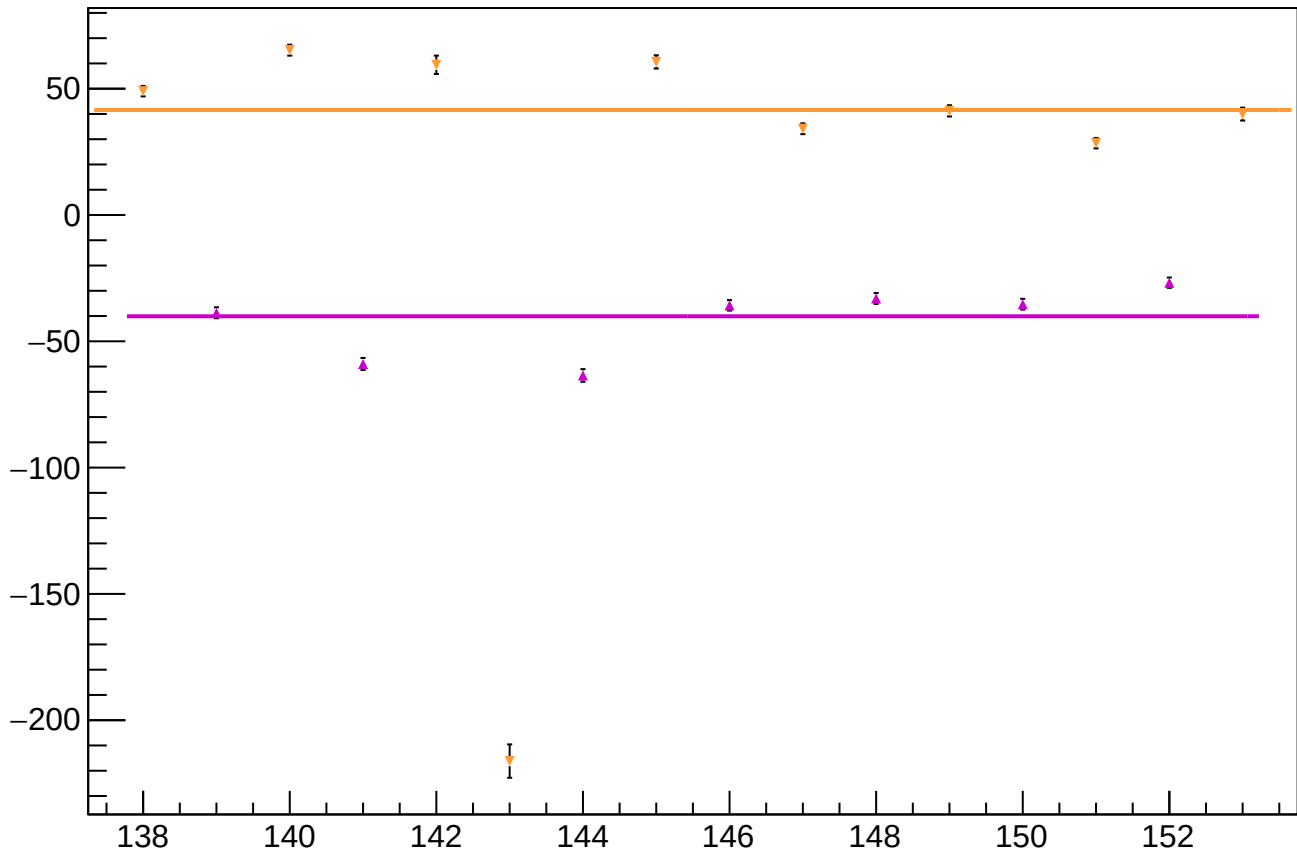
Left In: 289.307 ± 0.144 $\chi^2/\text{NDF}: 27234.1/6$

-254.097 ± 0.098 $\chi^2/\text{NDF}: 356877.0/25$

-6.624 ± 0.070 $\chi^2/\text{NDF}: 13894992.3/52$

257.421 ± 0.101 $\chi^2/\text{NDF}: 223176.2/26$

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: 41.575+/-0.817 χ^2/NDF : 1781.4/8

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

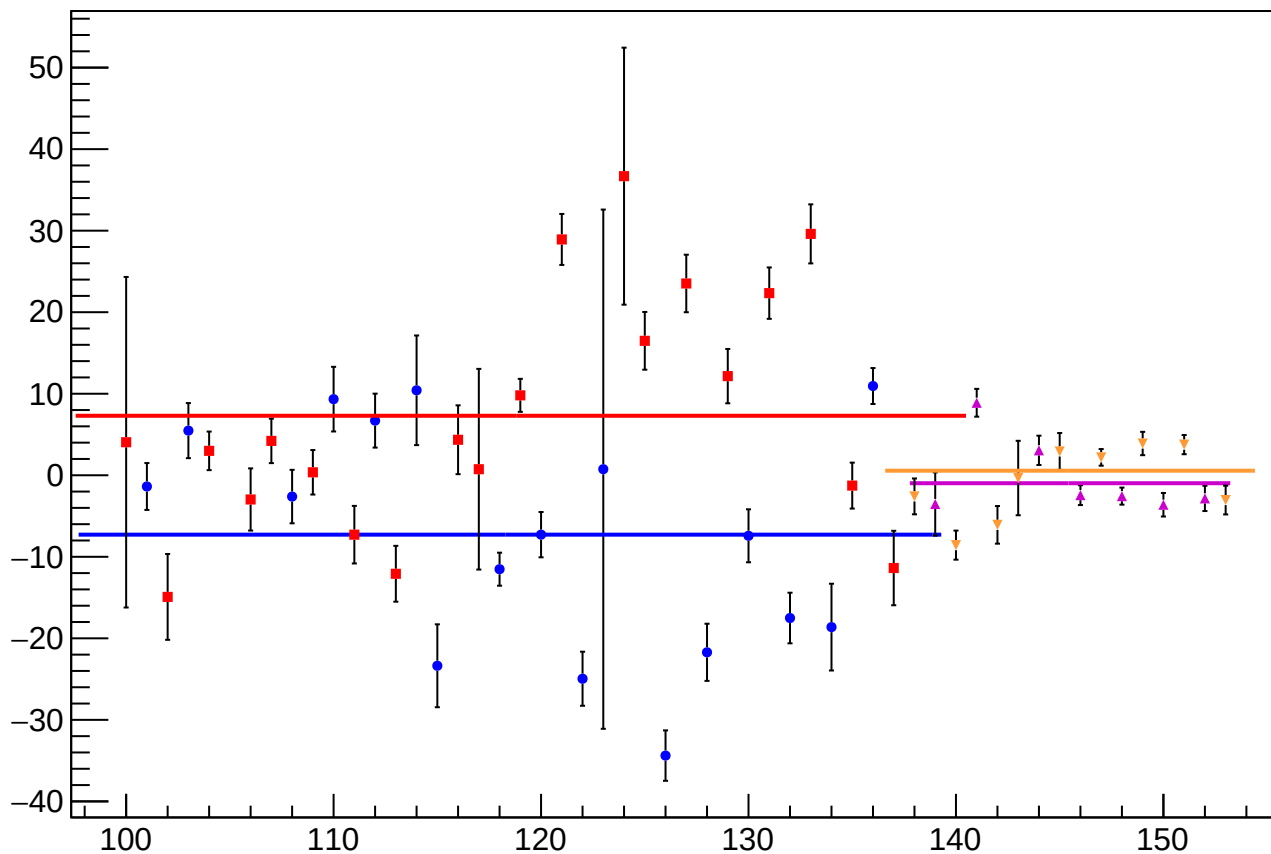
Left In: -40.095+/-0.830 χ^2/NDF : 212.4/6

41.575+/-0.817 χ^2/NDF : 1781.4/8

1.358+/-0.582 χ^2/NDF : 6911.0/15

-40.095+/-0.830 χ^2/NDF : 212.4/6

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: 0.561 ± 0.539 χ^2/NDF : 57.2/8

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

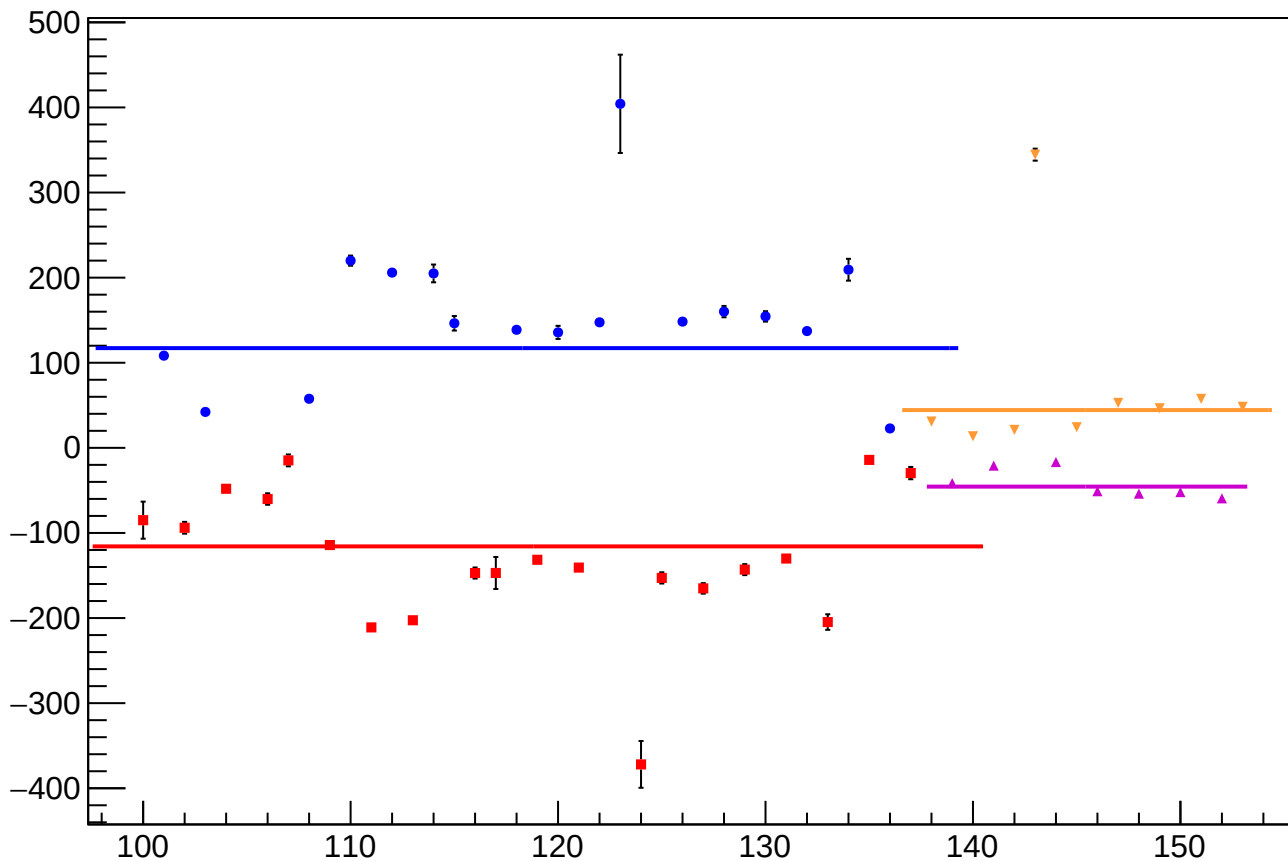
Left In: -0.976 ± 0.558 χ^2/NDF : 47.5/6

-1.934 ± 0.445 χ^2/NDF : 407.9/25

-0.025 ± 0.316 χ^2/NDF : 825.3/52

1.928 ± 0.450 χ^2/NDF : 380.1/26

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 $\pm$ 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.372 $\pm$ 0.811 χ^2/NDF : 2178.5/8

Right Out: -115.795 $\pm$ 1.357 χ^2/NDF : 2140.4/19

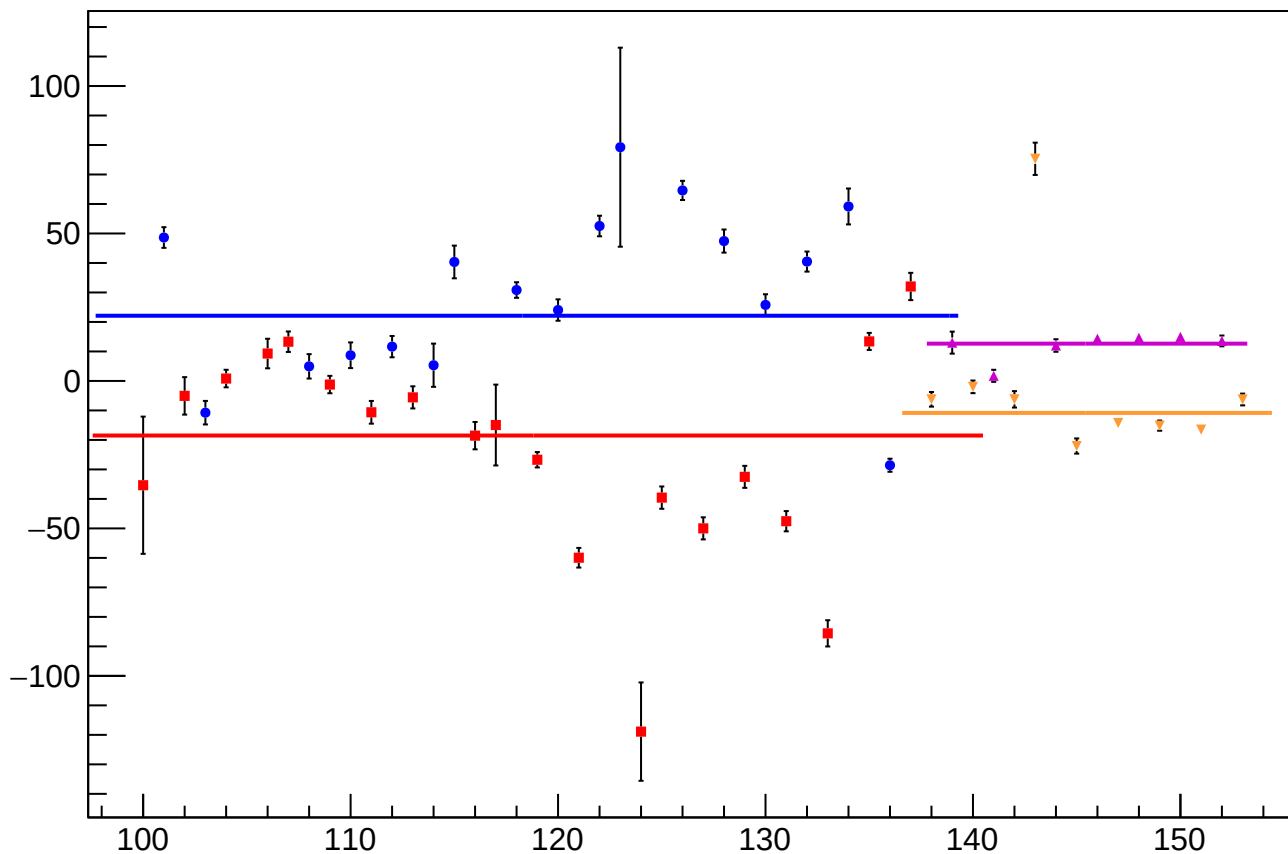
Left In: -45.556 $\pm$ 0.821 χ^2/NDF : 297.7/6

62.355 $\pm$ 0.704 χ^2/NDF : 6329.8/25

-1.137 $\pm$ 0.497 χ^2/NDF : 26967.8/52

-64.361 $\pm$ 0.702 χ^2/NDF : 4398.6/26

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: -10.841 ± 0.672 χ^2/NDF : 320.7/8

Right Out: -18.506 ± 0.869 χ^2/NDF : 1068.6/19

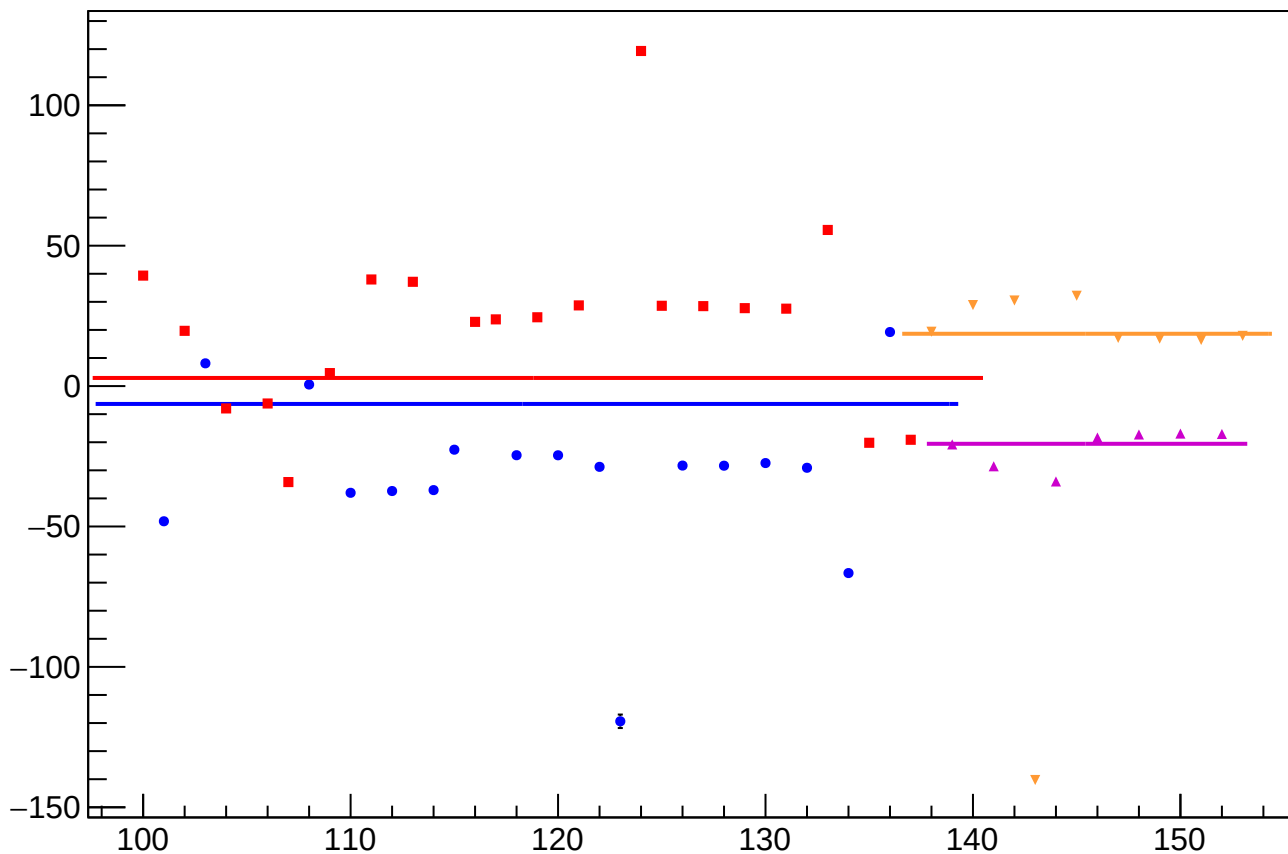
Left In: 12.646 ± 0.696 χ^2/NDF : 33.7/6

0.994 ± 0.538 χ^2/NDF : 2253.6/25

0.743 ± 0.382 χ^2/NDF : 4139.2/52

0.488 ± 0.543 χ^2/NDF : 1885.2/26

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 18.633 ± 0.034 χ^2/NDF : 348553.3/8

Right Out: 2.896 ± 0.046 χ^2/NDF : 266162.6/19

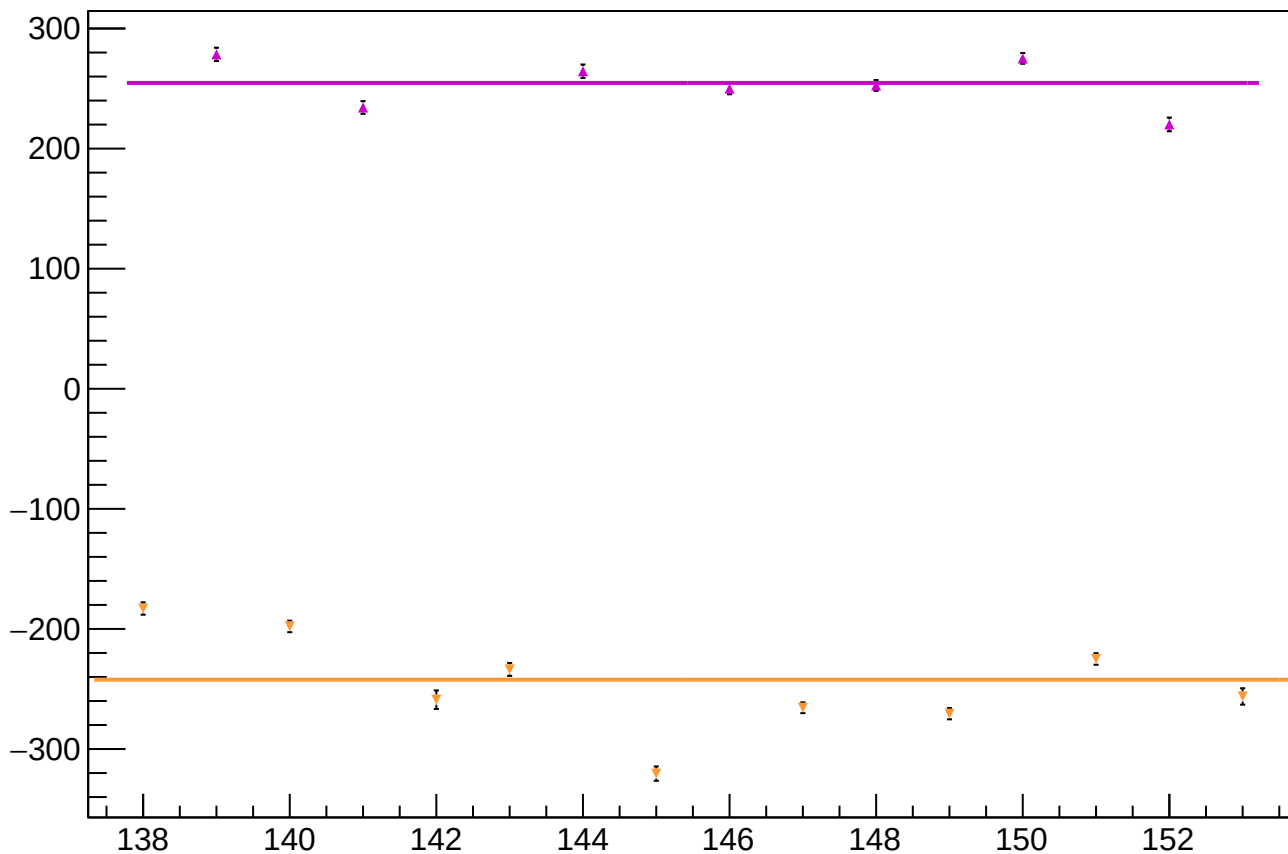
Left In: -20.553 ± 0.034 χ^2/NDF : 25032.8/6

9.994 ± 0.027 χ^2/NDF : 803861.1/25

-1.094 ± 0.019 χ^2/NDF : 1596759.3/52

-12.205 ± 0.027 χ^2/NDF : 460891.6/26

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: -242.250+/-1.772 χ^2/NDF : 474.6/8

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

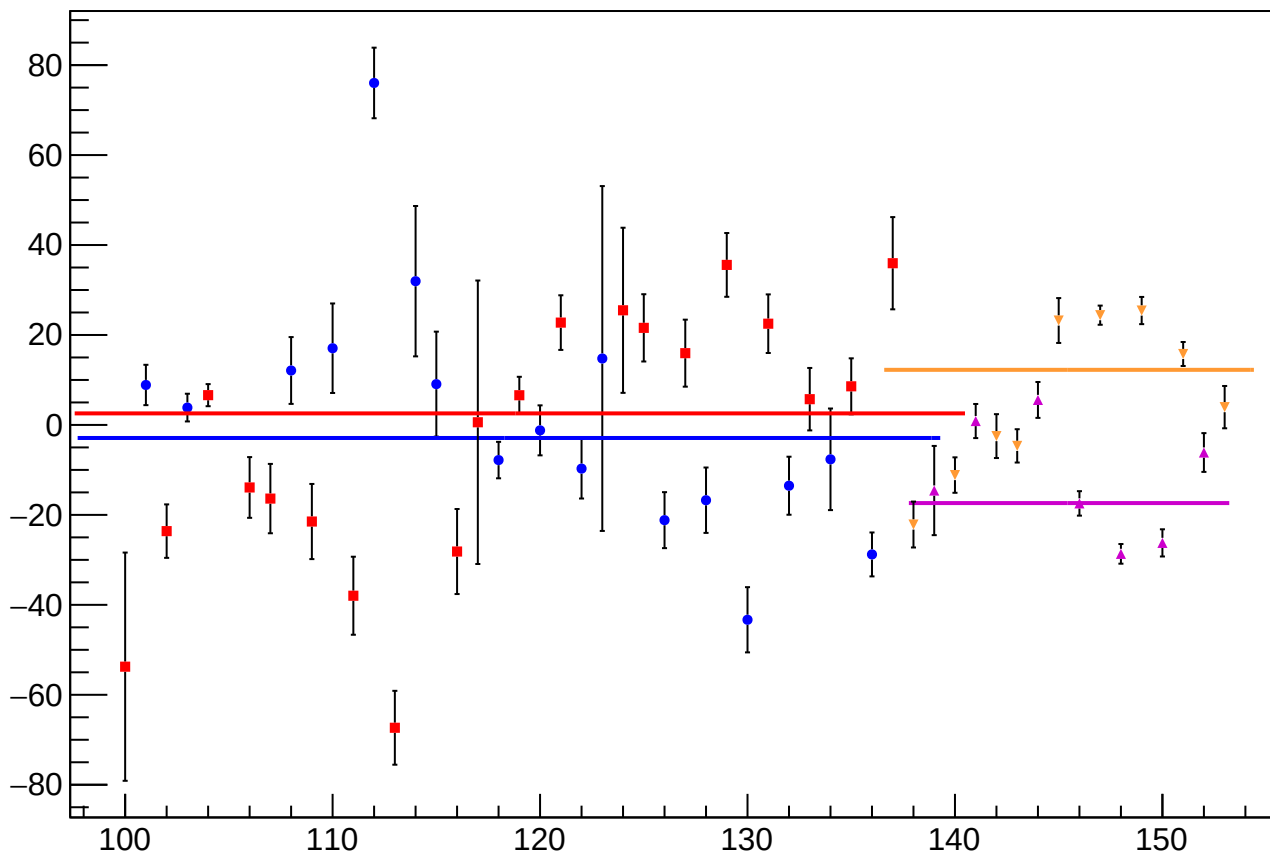
Left In: 254.708+/-1.910 χ^2/NDF : 94.7/6

-242.250+/-1.772 χ^2/NDF : 474.6/8

-12.427+/-1.299 χ^2/NDF : 36958.2/15

254.708+/-1.910 χ^2/NDF : 94.7/6

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 $\chi^2/\text{NDF}: 203.6/16$

Left Out: 12.251 ± 1.137 $\chi^2/\text{NDF}: 171.9/8$

Right Out: 2.566 ± 1.395 $\chi^2/\text{NDF}: 218.2/19$

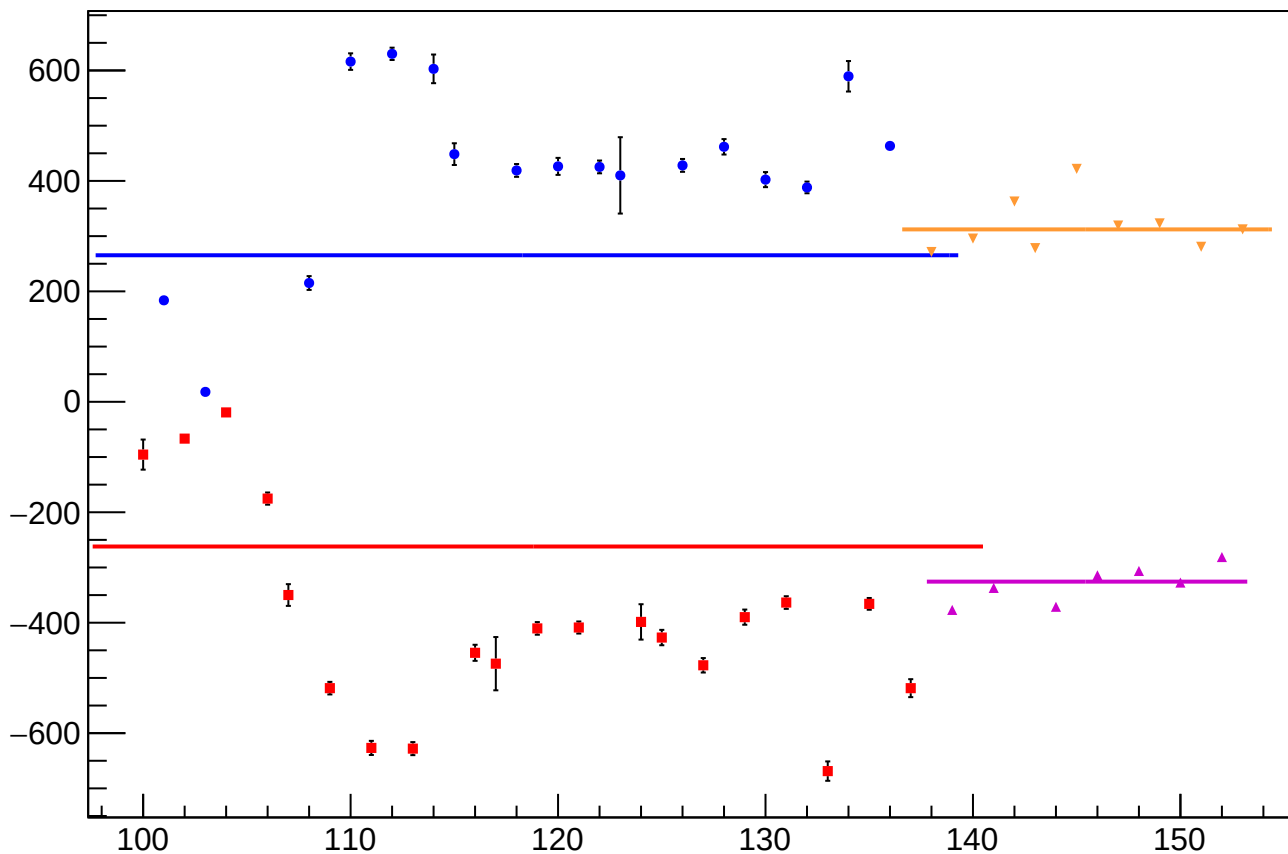
Left In: -17.373 ± 1.240 $\chi^2/\text{NDF}: 98.3/6$

6.565 ± 0.899 $\chi^2/\text{NDF}: 442.1/25$

-0.771 ± 0.645 $\chi^2/\text{NDF}: 1010.2/52$

-8.572 ± 0.927 $\chi^2/\text{NDF}: 430.6/26$

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: 312.208 $\pm$ 1.766 χ^2/NDF :495.5/8

Right Out: -262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

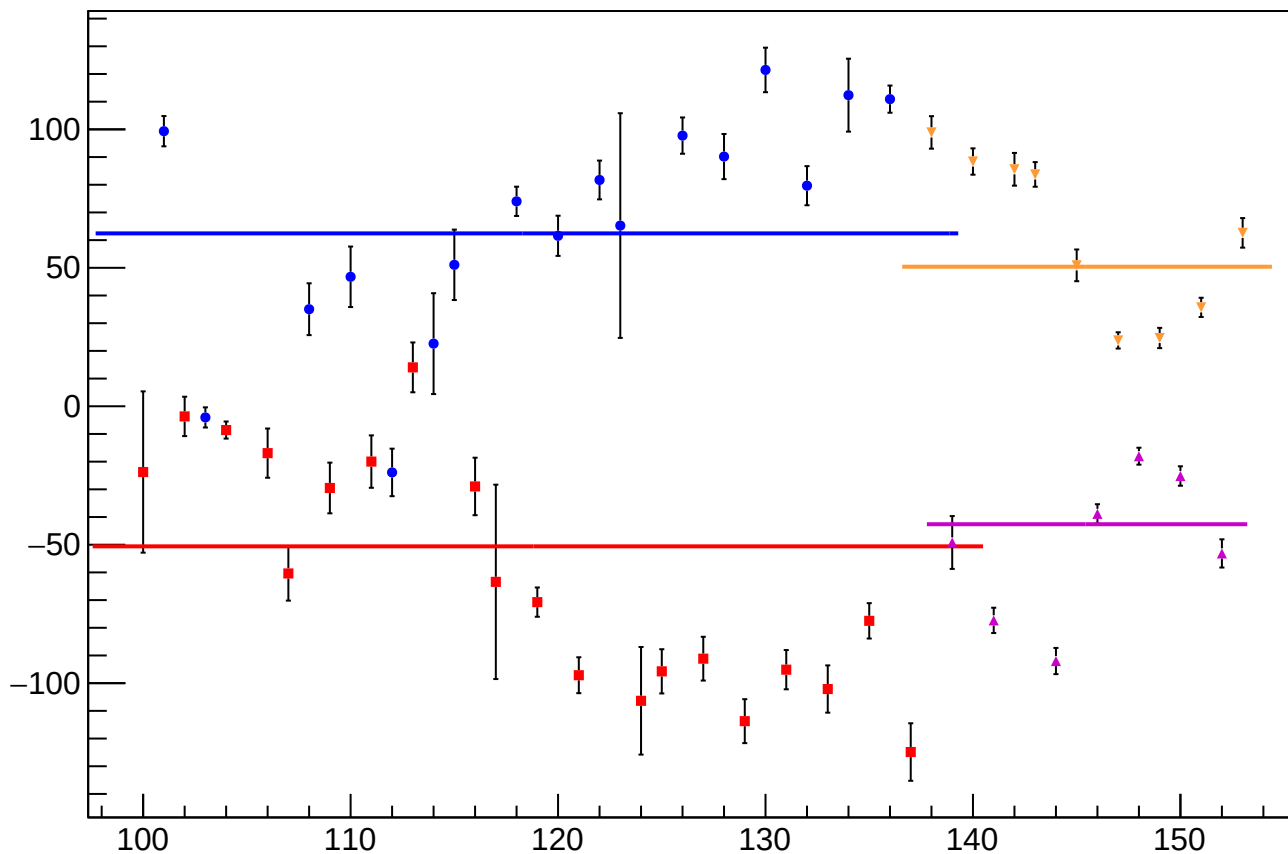
Left In: -325.627 $\pm$ 1.882 χ^2/NDF :227.9/6

296.510 $\pm$ 1.440 χ^2/NDF : 8364.9/25

8.105 $\pm$ 1.037 χ^2/NDF : 100451.9/52

-302.072 $\pm$ 1.494 χ^2/NDF : 8874.5/26

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2 /NDF: 721.8/16

Left Out: 50.396+/-1.426 χ^2 /NDF: 378.5/8

Right Out: -50.588+/-1.640 χ^2 /NDF: 657.5/19

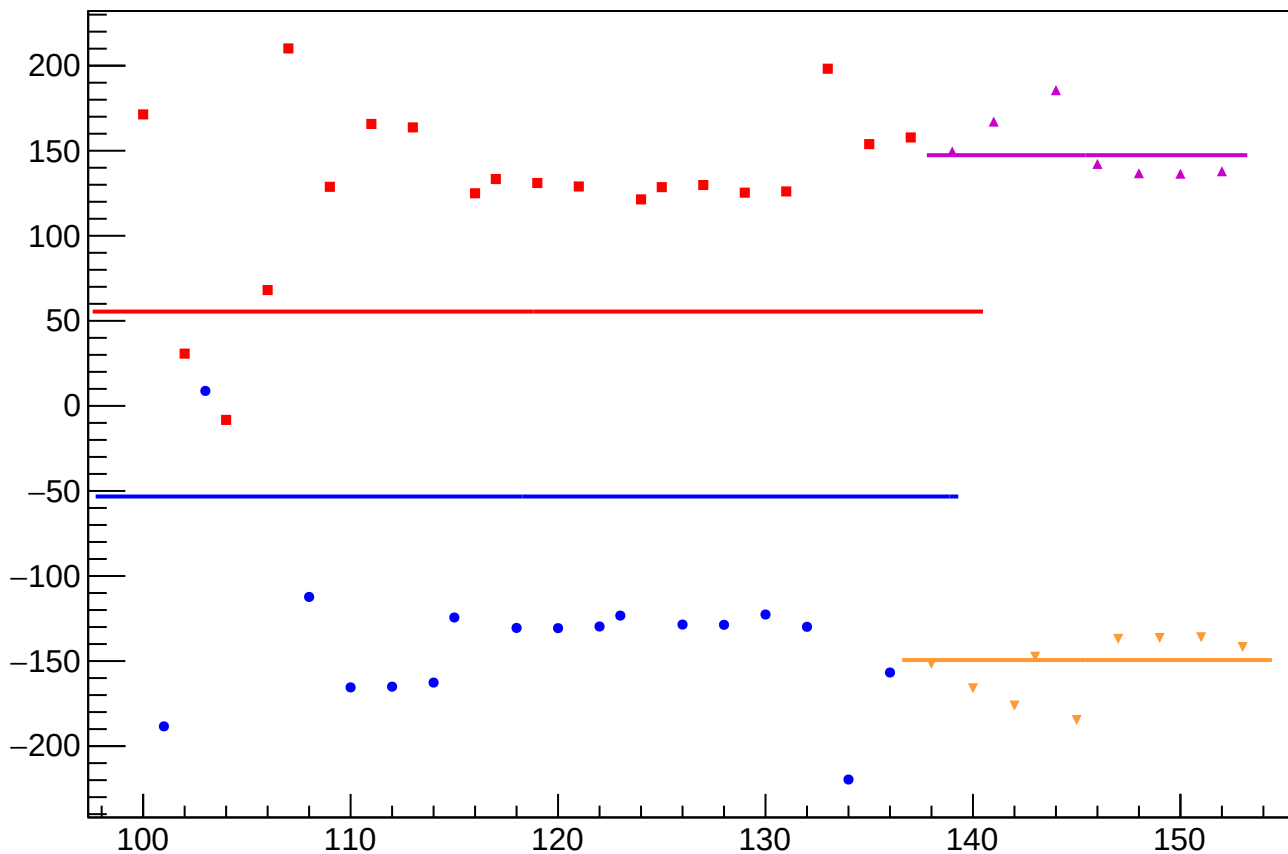
Left In: -42.597+/-1.557 χ^2 /NDF: 261.7/6

55.390+/-1.091 χ^2 /NDF: 1129.8/25

6.259+/-0.785 χ^2 /NDF: 6262.7/52

-46.386+/-1.129 χ^2 /NDF: 931.7/26

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -149.409 $\pm$ 0.074 χ^2 /NDF: 46470.8/8

Right Out: 55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

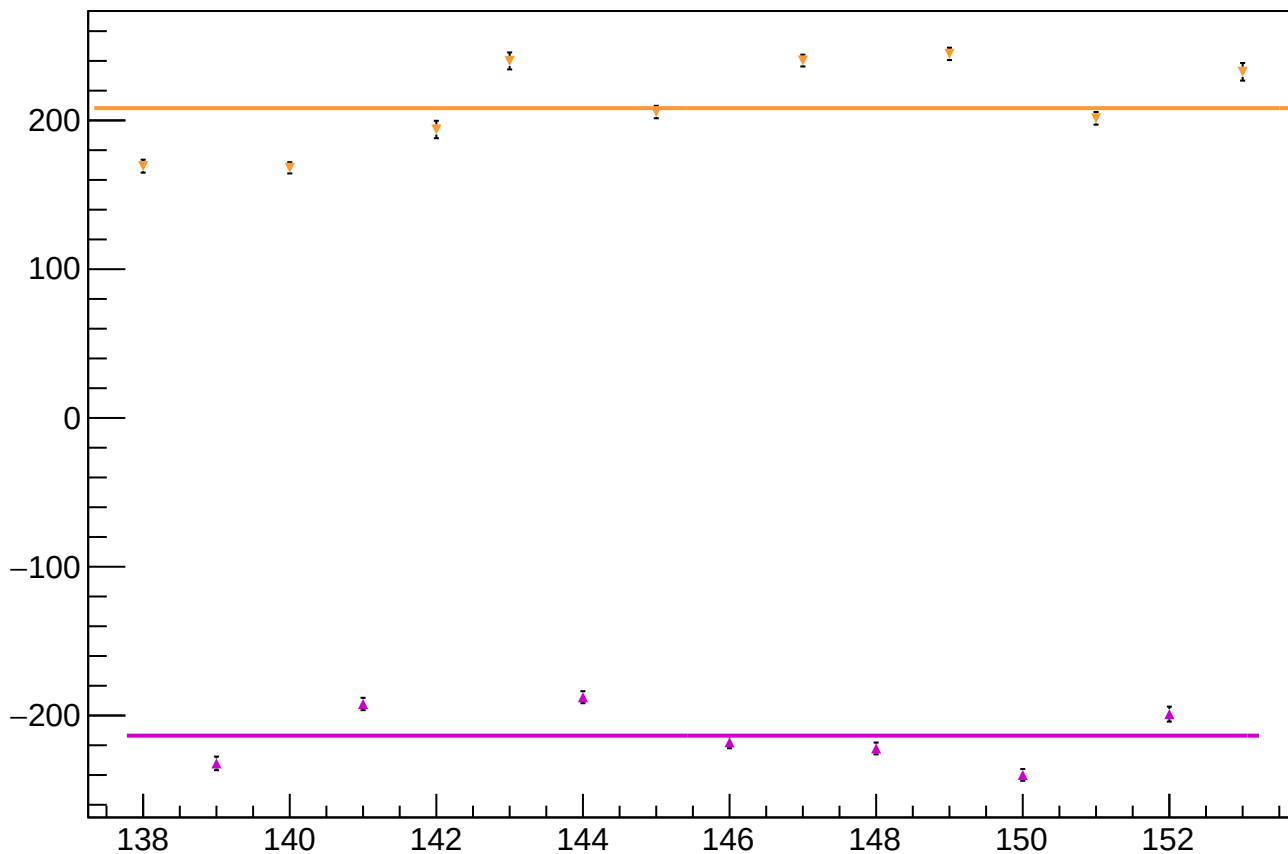
Left In: 147.383 $\pm$ 0.079 χ^2 /NDF: 38360.6/6

-98.804 $\pm$ 0.051 χ^2 /NDF: 2155119.4/25

-4.440 $\pm$ 0.037 χ^2 /NDF: 10999879.4/52

97.348 $\pm$ 0.053 χ^2 /NDF: 1751325.5/26

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: 208.260+/-1.503 χ^2/NDF : 390.0/8

208.260+/-1.503 χ^2/NDF : 390.0/8

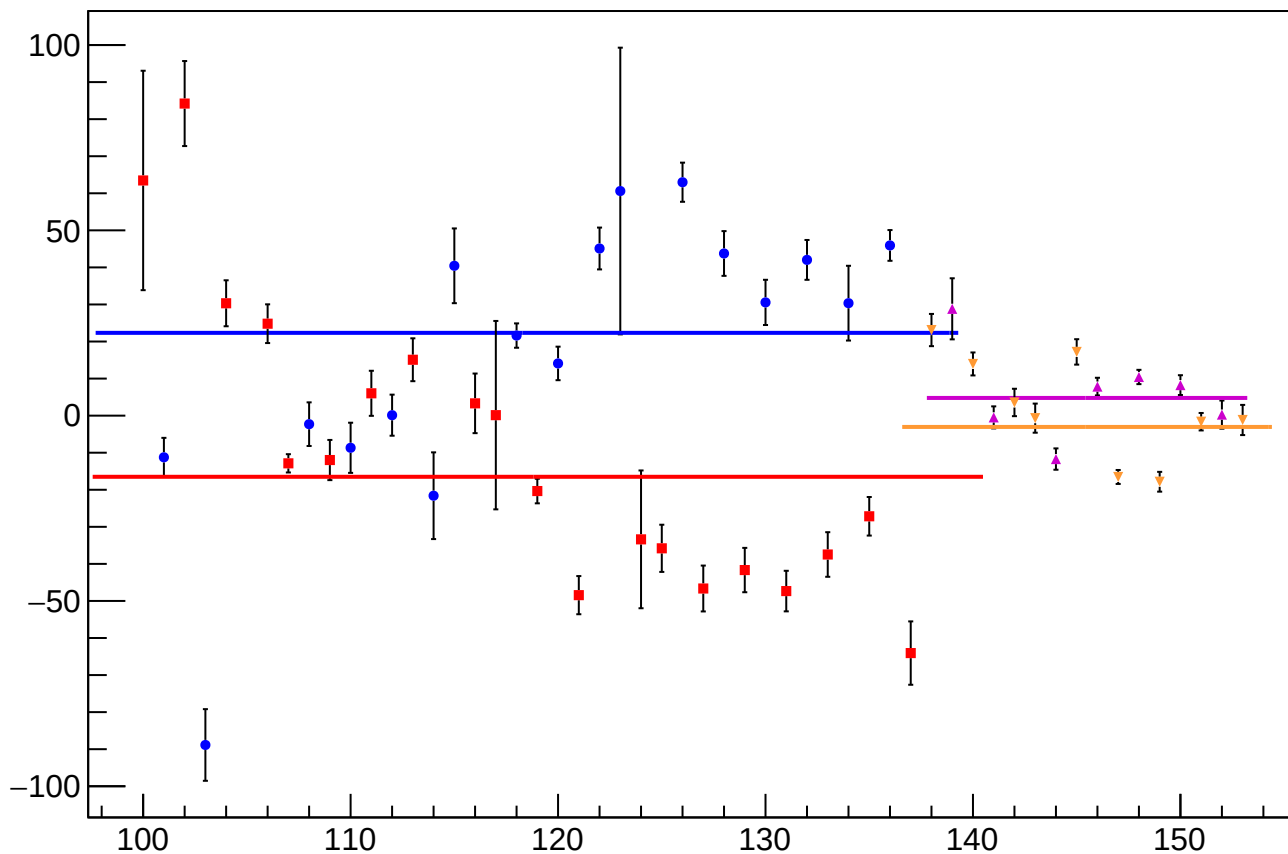
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

10.006+/-1.094 χ^2/NDF : 37570.3/15

Left In: -213.522+/-1.595 χ^2/NDF : 142.2/6

-213.522+/-1.595 χ^2/NDF : 142.2/6

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 $\chi^2/\text{NDF}: 385.8/16$

Left Out: -3.046 ± 0.979 $\chi^2/\text{NDF}: 187.2/8$

Right Out: -16.498 ± 1.226 $\chi^2/\text{NDF}: 427.0/19$

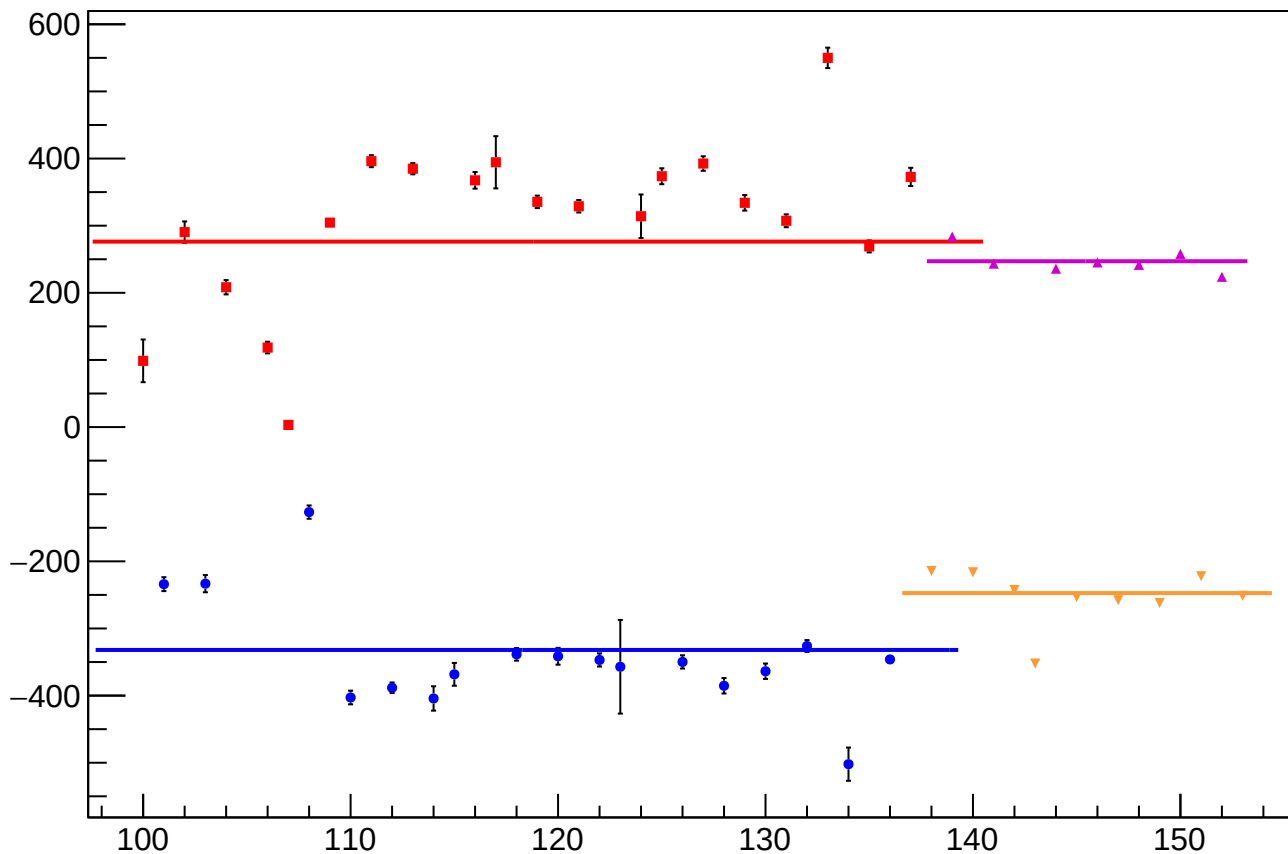
Left In: 4.778 ± 1.052 $\chi^2/\text{NDF}: 57.8/6$

5.335 ± 0.802 $\chi^2/\text{NDF}: 794.8/25$

0.524 ± 0.566 $\chi^2/\text{NDF}: 1524.8/52$

-4.248 ± 0.798 $\chi^2/\text{NDF}: 658.2/26$

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: -247.268 ± 1.506 χ^2/NDF : 467.6/8

Right Out: 276.265 ± 2.320 χ^2/NDF : 3371.5/19

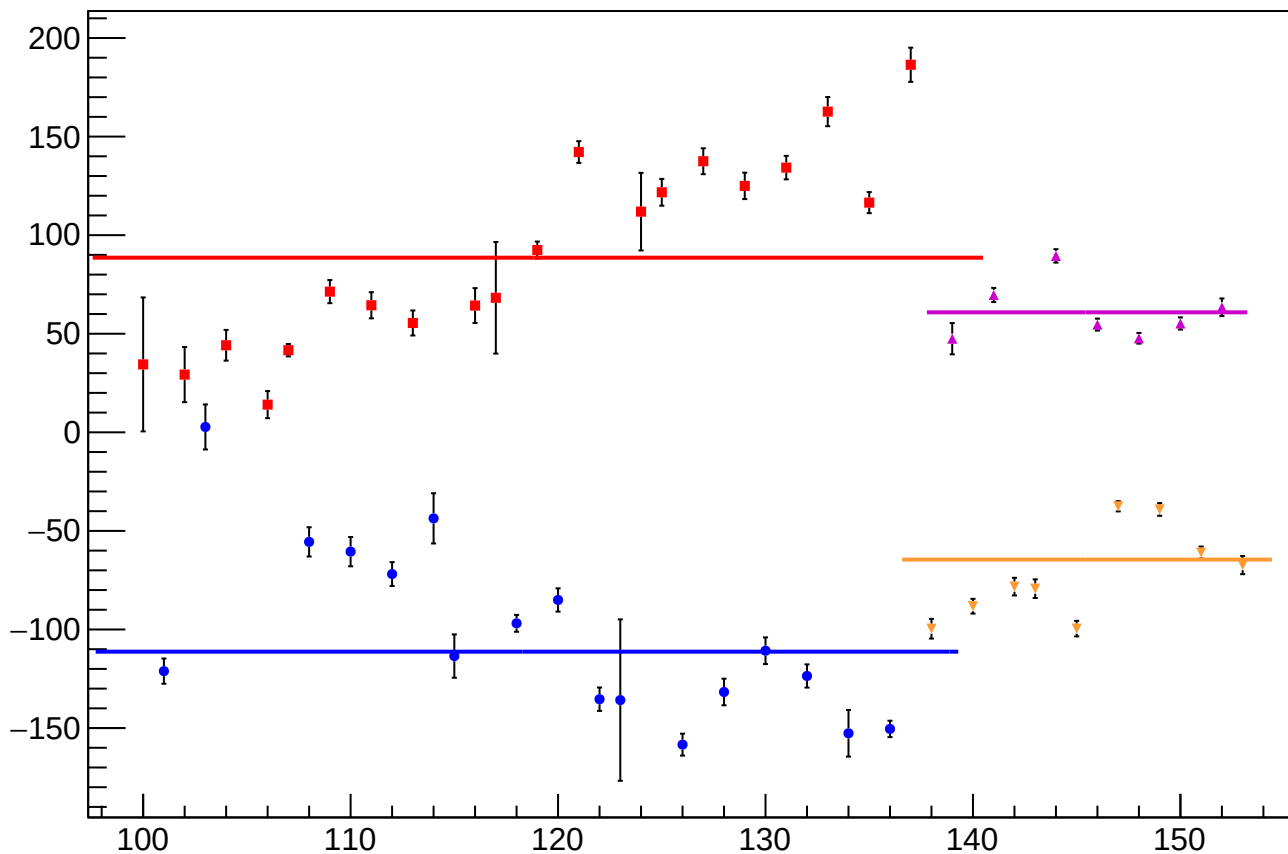
Left In: 247.056 ± 1.584 χ^2/NDF : 96.3/6

-268.793 ± 1.301 χ^2/NDF : 2056.8/25

-7.785 ± 0.922 χ^2/NDF : 86668.7/52

256.341 ± 1.308 χ^2/NDF : 3575.9/26

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -64.548 ± 1.224 $\chi^2/\text{NDF}: 359.1/8$

Right Out: 88.581 ± 1.431 $\chi^2/\text{NDF}: 971.5/19$

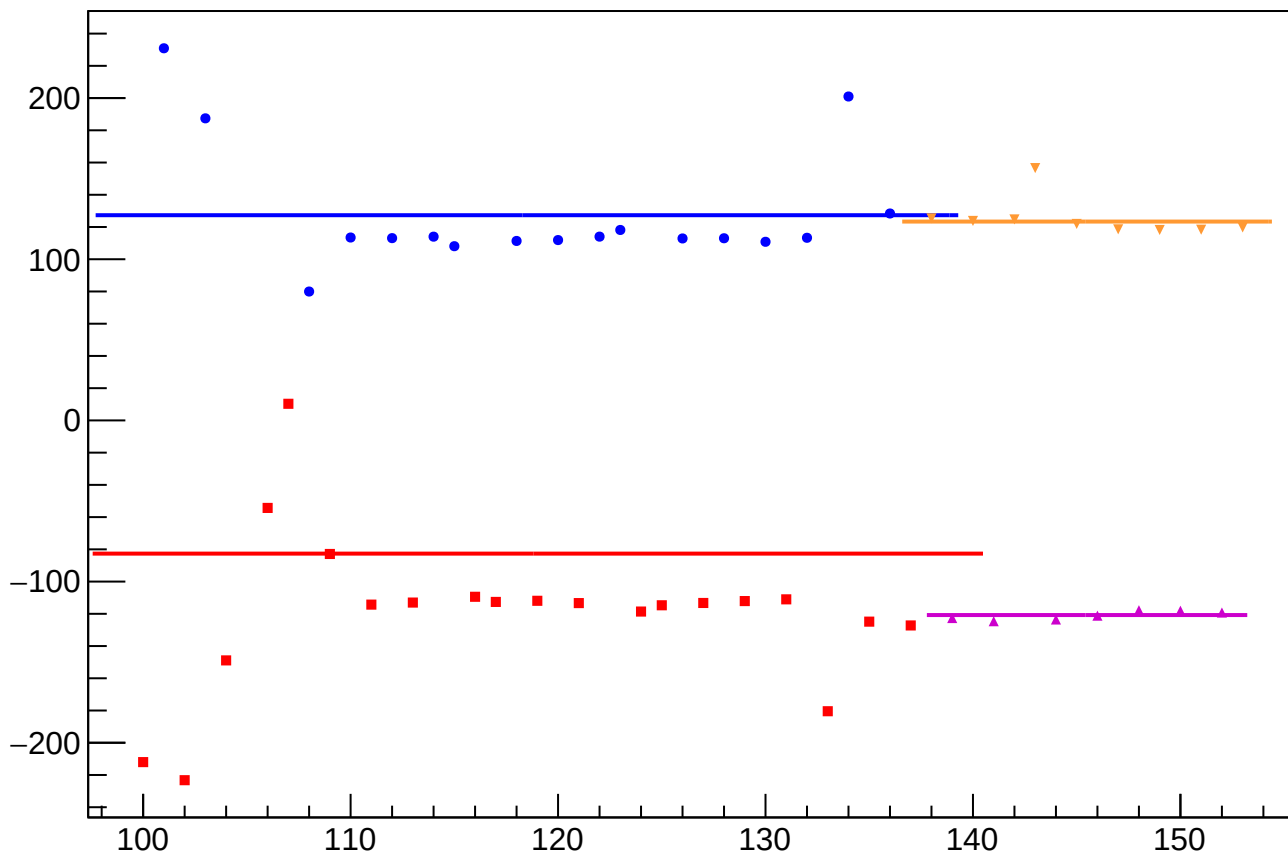
Left In: 60.861 ± 1.314 $\chi^2/\text{NDF}: 110.9/6$

-81.821 ± 0.971 $\chi^2/\text{NDF}: 1407.7/25$

-3.878 ± 0.686 $\chi^2/\text{NDF}: 15529.6/52$

73.542 ± 0.968 $\chi^2/\text{NDF}: 1285.9/26$

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: 123.376+/-0.063 χ^2/NDF : 21458.4/8

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

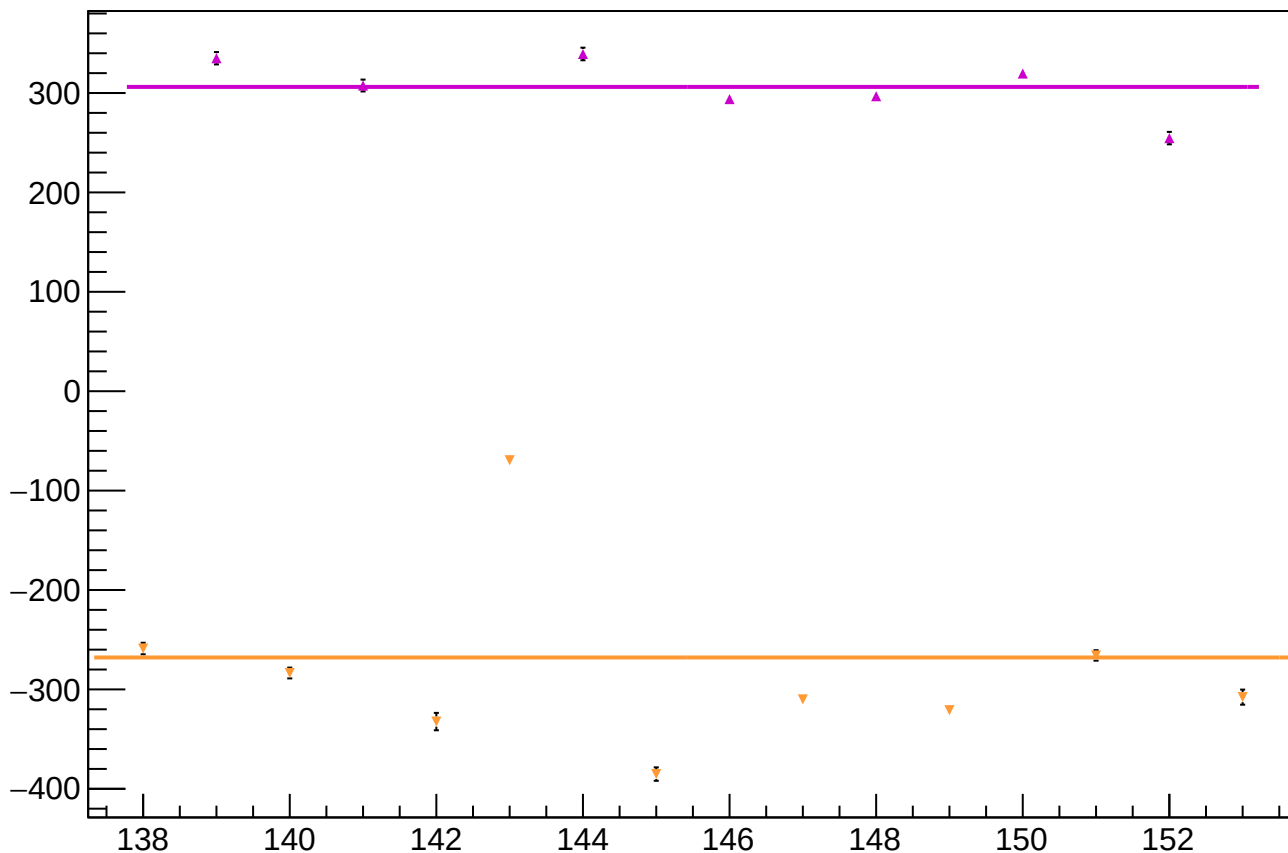
Left In: -120.766+/-0.066 χ^2/NDF : 1498.8/6

124.687+/-0.052 χ^2/NDF : 210534.9/25

5.999+/-0.036 χ^2/NDF : 11343543.1/52

-104.184+/-0.050 χ^2/NDF : 911549.6/26

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: -267.884+/-1.907 χ^2/NDF : 2204.4/8

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

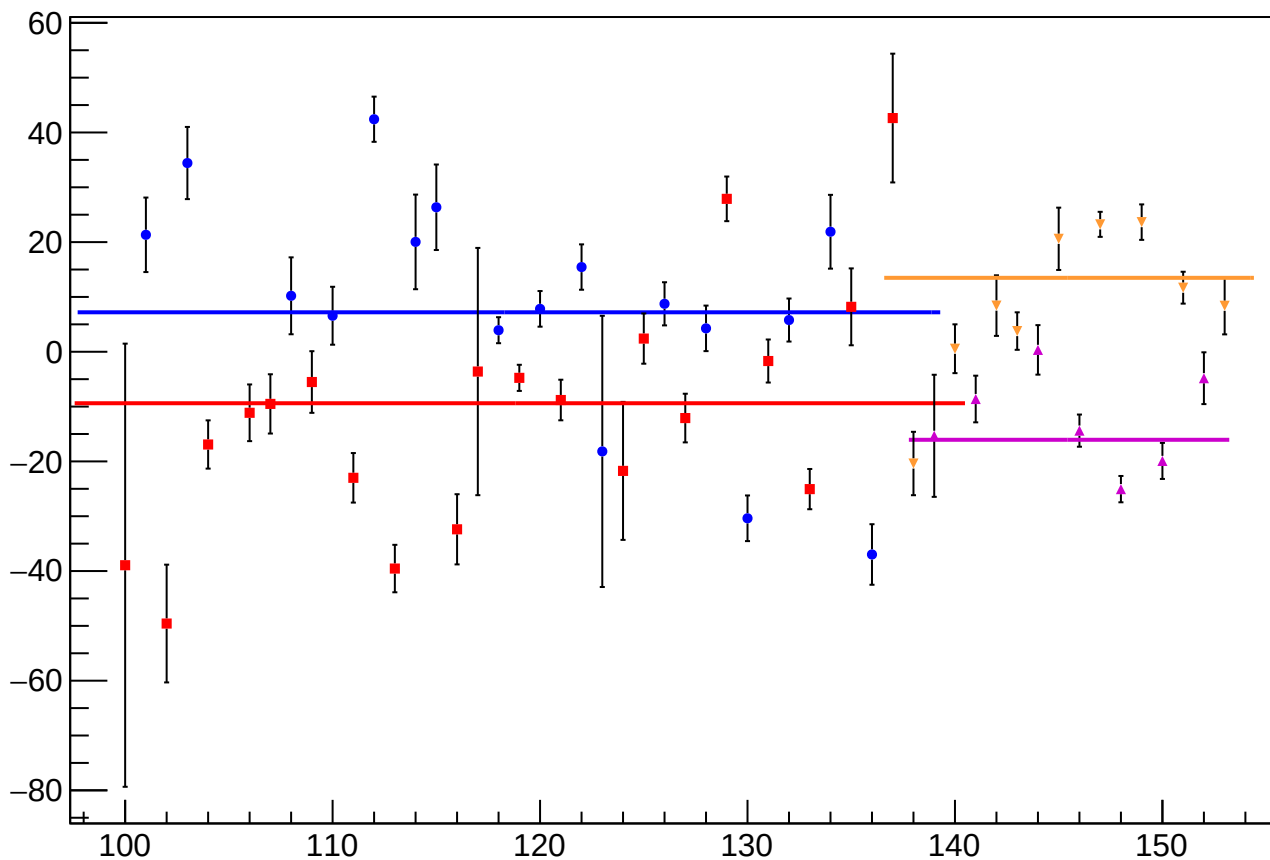
Left In: 306.136+/-2.104 χ^2/NDF : 133.4/6

-267.884+/-1.907 χ^2/NDF : 2204.4/8

-9.073+/-1.413 χ^2/NDF : 43210.6/15

306.136+/-2.104 χ^2/NDF : 133.4/6

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: 13.487 ± 1.220 χ^2/NDF : 82.7/8

Right Out: -9.390 ± 1.070 χ^2/NDF : 232.2/19

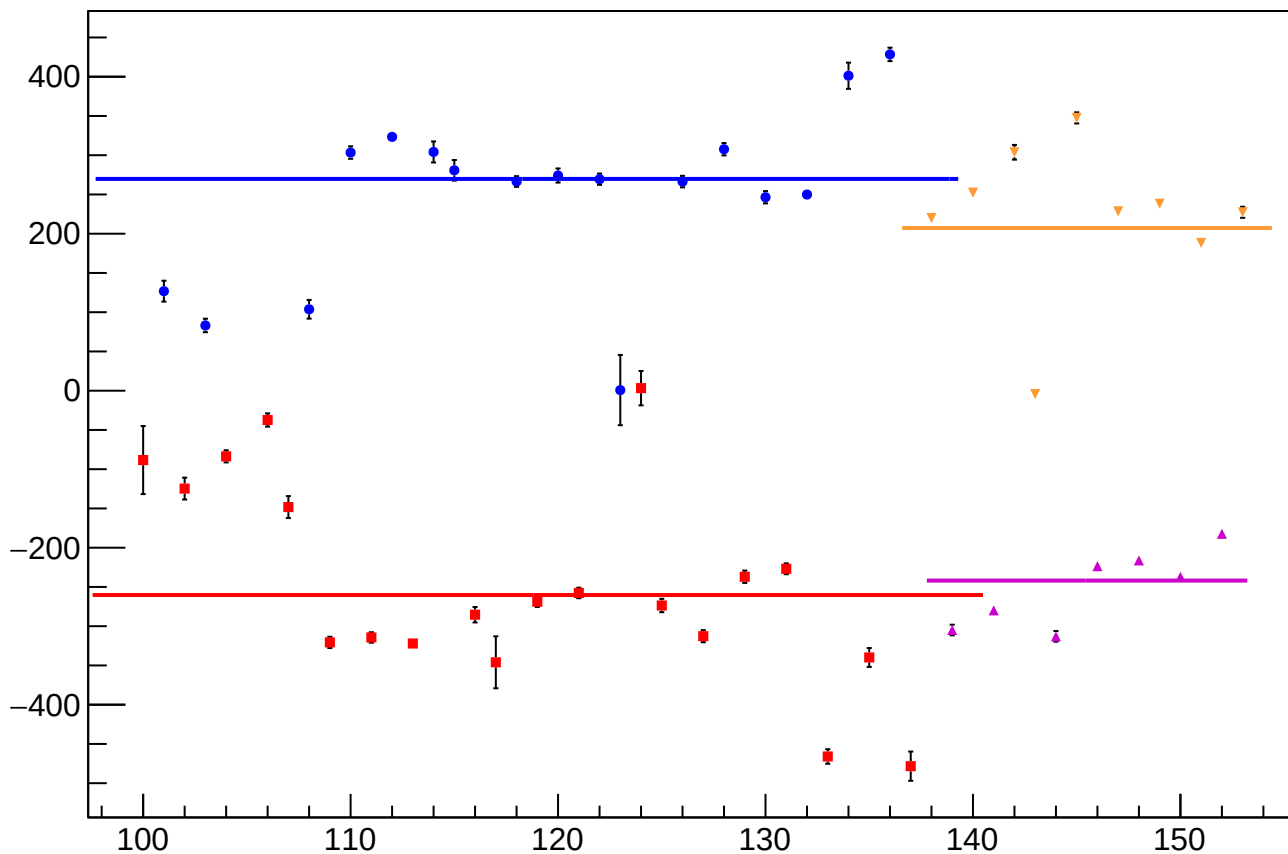
Left In: -16.057 ± 1.362 χ^2/NDF : 37.7/6

10.027 ± 0.818 χ^2/NDF : 358.2/25

-0.647 ± 0.587 χ^2/NDF : 993.0/52

-11.934 ± 0.841 χ^2/NDF : 284.7/26

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 ± 2.089 χ^2/NDF : 1374.1/16

Left Out: 207.223 ± 1.902 χ^2/NDF : 2270.8/8

Right Out: -260.286 ± 1.973 χ^2/NDF : 2545.4/19

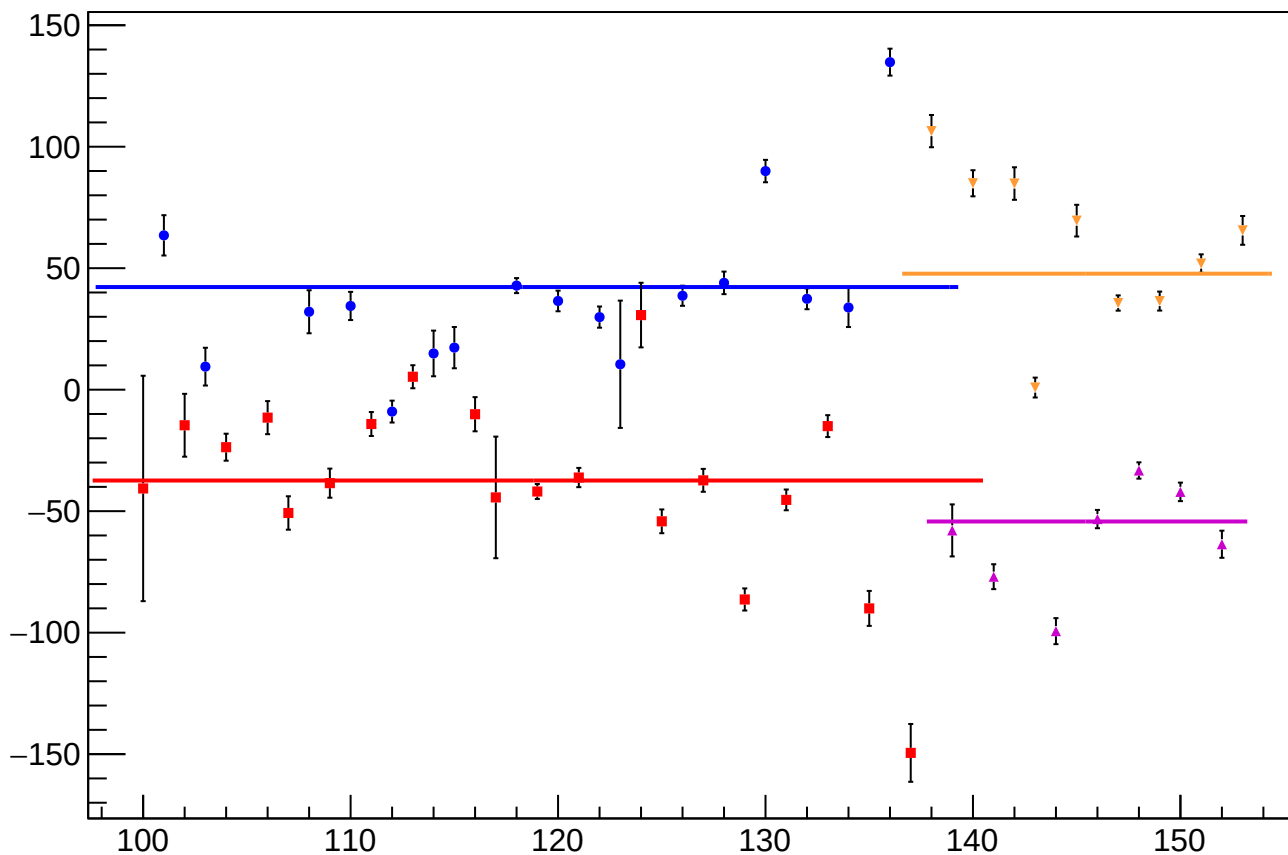
Left In: -241.873 ± 2.070 χ^2/NDF : 377.3/6

235.583 ± 1.406 χ^2/NDF : 4135.7/25

-4.193 ± 1.002 χ^2/NDF : 66154.0/52

-251.519 ± 1.428 χ^2/NDF : 2964.1/26

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: 47.742 ± 1.530 $\chi^2/\text{NDF}: 332.4/8$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

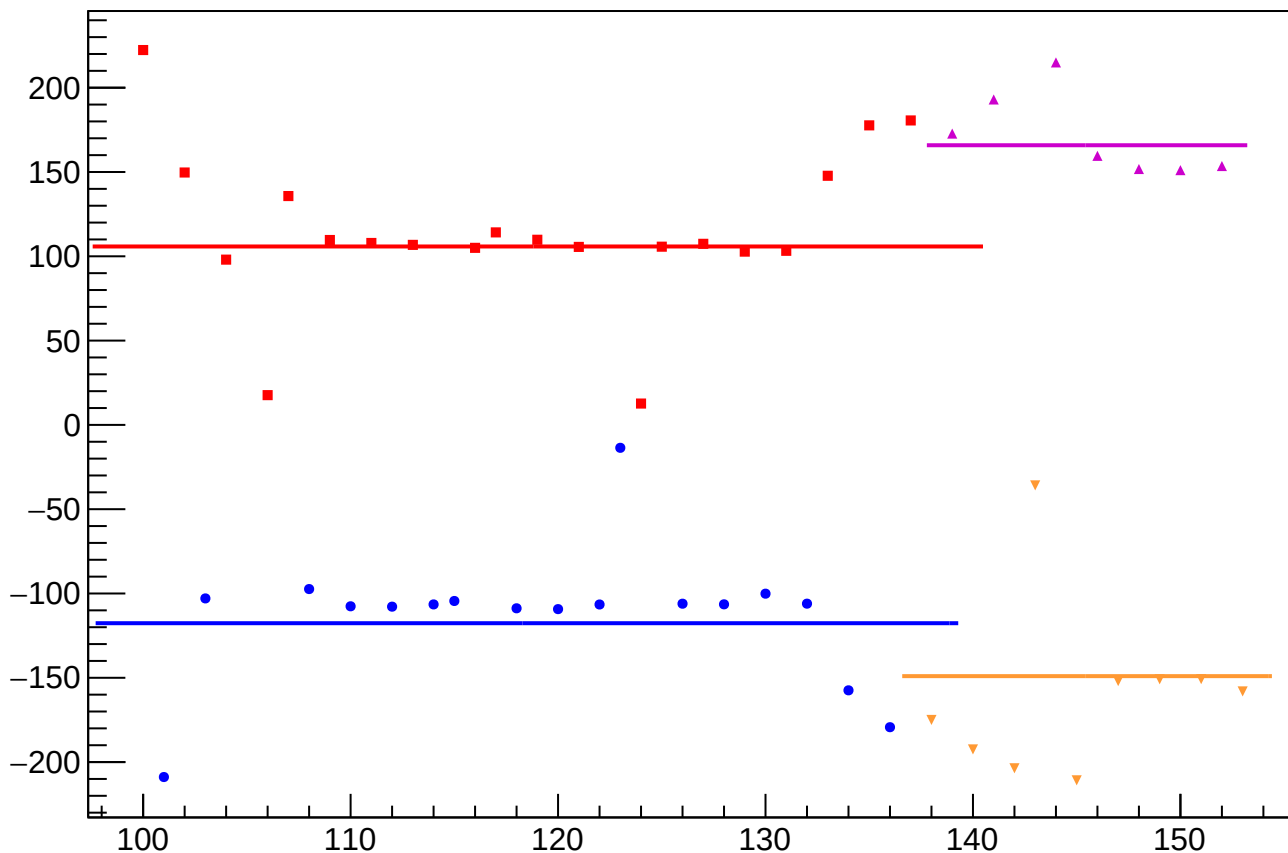
Left In: -54.249 ± 1.711 $\chi^2/\text{NDF}: 142.9/6$

44.493 ± 0.979 $\chi^2/\text{NDF}: 914.4/25$

1.622 ± 0.700 $\chi^2/\text{NDF}: 5515.5/52$

-43.150 ± 1.000 $\chi^2/\text{NDF}: 679.2/26$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -149.024+/-0.080 χ^2/NDF : 400914.8/8

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

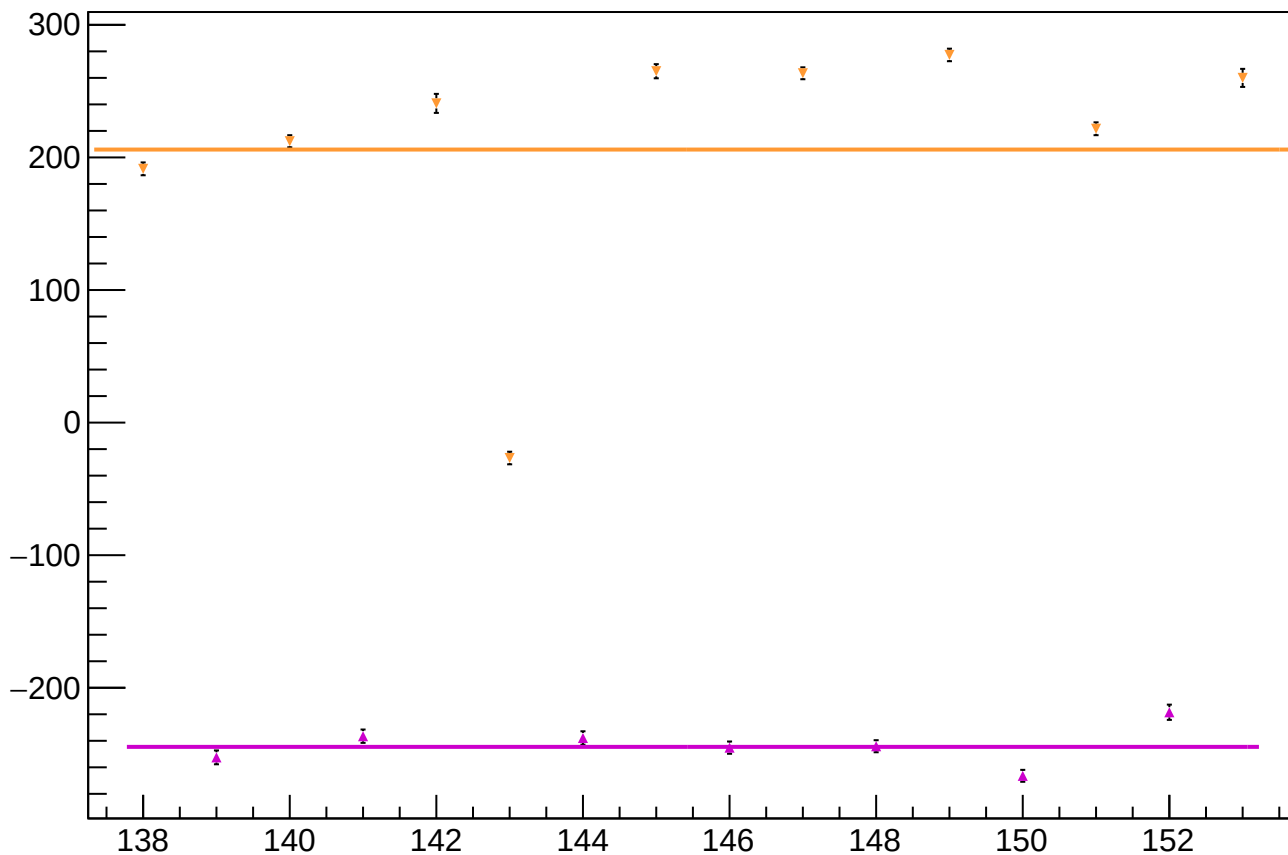
Left In: 165.874+/-0.087 χ^2/NDF : 53603.0/6

-133.060+/-0.056 χ^2/NDF : 621379.4/25

-0.458+/-0.039 χ^2/NDF : 12434782.1/52

130.677+/-0.056 χ^2/NDF : 658846.3/26

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 205.946+/-1.697 χ^2/NDF : 3016.0/8

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

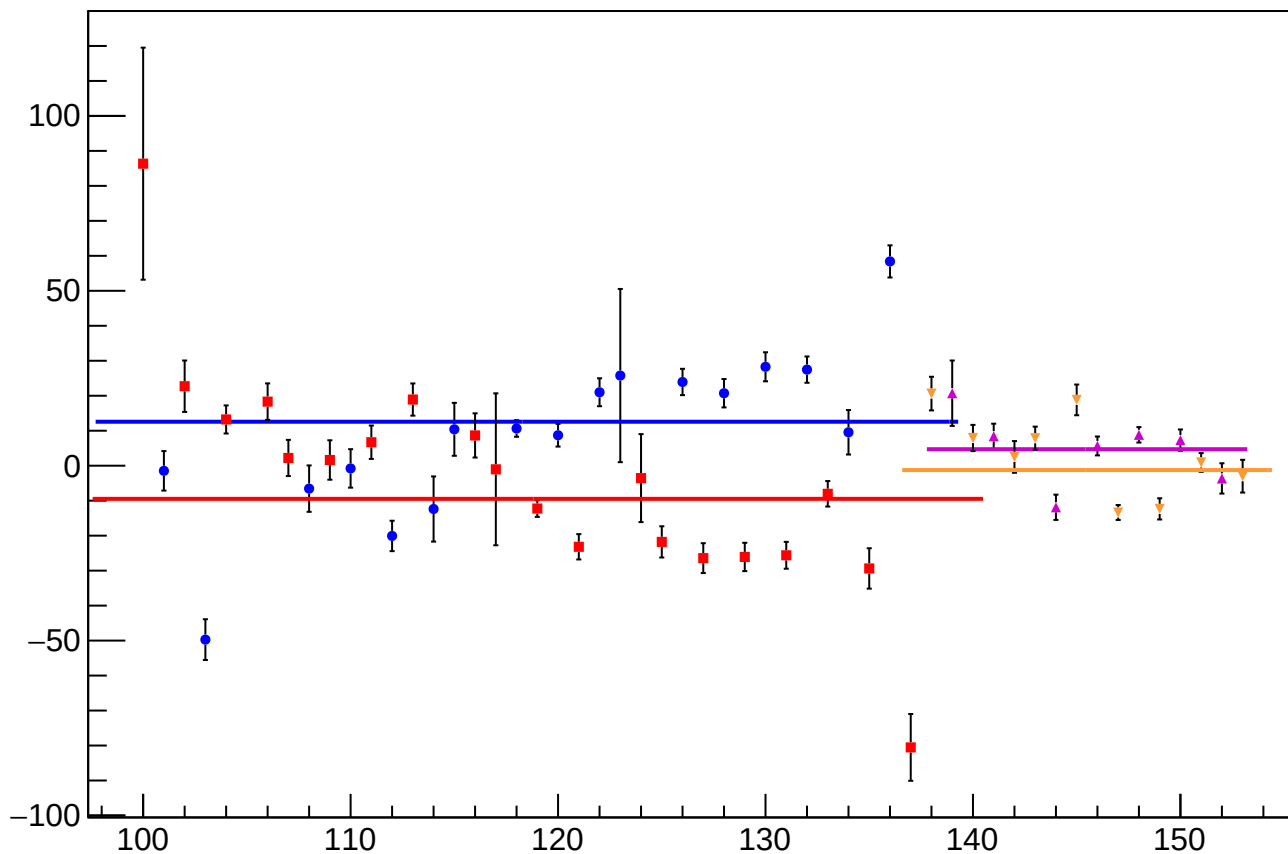
Left In: -244.574+/-1.859 χ^2/NDF : 50.7/6

205.946+/-1.697 χ^2/NDF : 3016.0/8

1.207+/-1.253 χ^2/NDF : 35109.5/15

-244.574+/-1.859 χ^2/NDF : 50.7/6

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 ± 1.074 $\chi^2/\text{NDF}: 348.0/16$

Left Out: -1.245 ± 1.104 $\chi^2/\text{NDF}: 102.4/8$

Right Out: -9.474 ± 1.046 $\chi^2/\text{NDF}: 296.0/19$

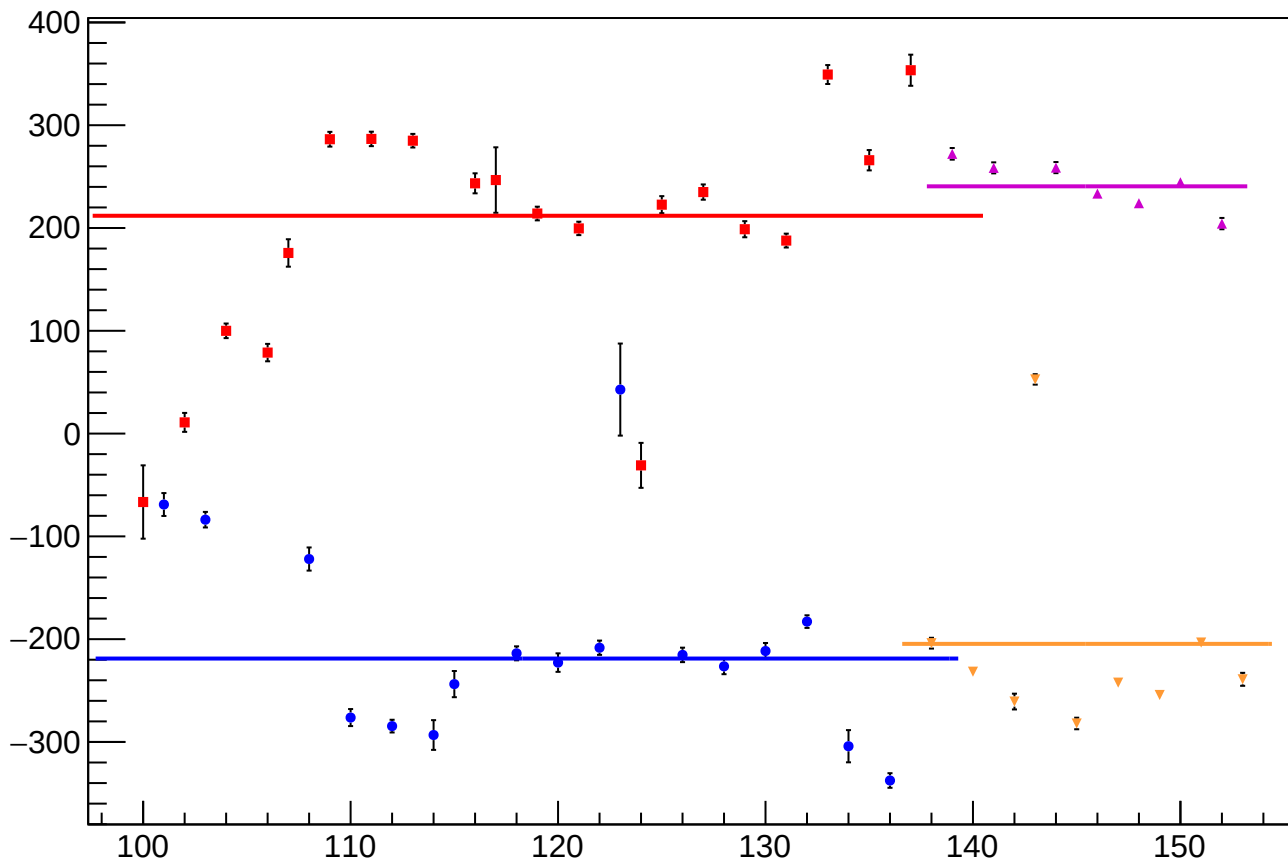
Left In: 4.717 ± 1.222 $\chi^2/\text{NDF}: 33.2/6$

5.854 ± 0.770 $\chi^2/\text{NDF}: 530.9/25$

1.340 ± 0.553 $\chi^2/\text{NDF}: 1008.9/52$

-3.473 ± 0.795 $\chi^2/\text{NDF}: 407.0/26$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855+/-2.023 χ^2/NDF : 1146.6/16

Left Out: -204.581+/-1.702 χ^2/NDF : 3079.8/8

Right Out: 211.907+/-1.920 χ^2/NDF : 1886.4/19

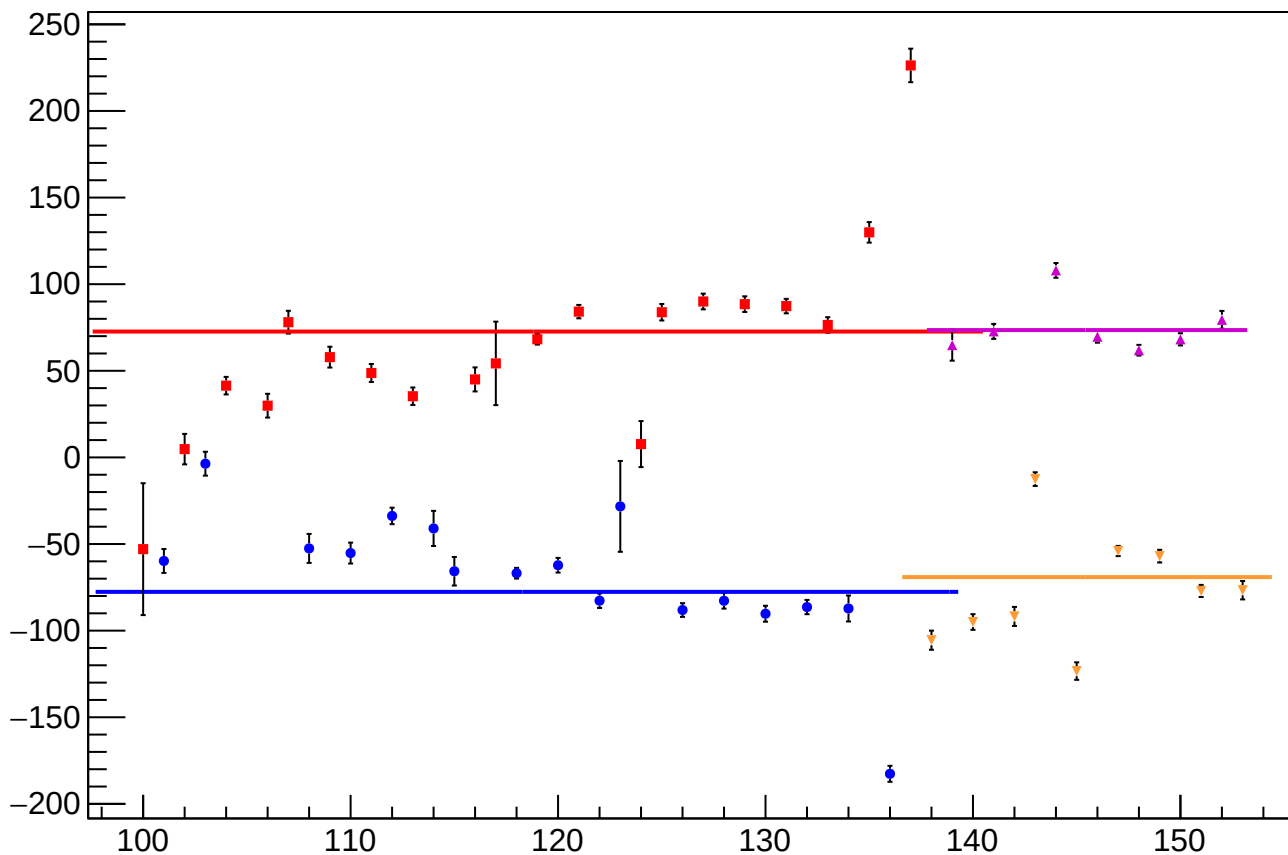
Left In: 240.538+/-1.840 χ^2/NDF : 115.2/6

-210.497+/-1.302 χ^2/NDF : 4255.5/25

3.761+/-0.930 χ^2/NDF : 61639.3/52

226.833+/-1.329 χ^2/NDF : 2117.5/26

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -69.095 ± 1.379 χ^2/NDF : 458.2/8

Right Out: 72.664 ± 1.205 χ^2/NDF : 672.0/19

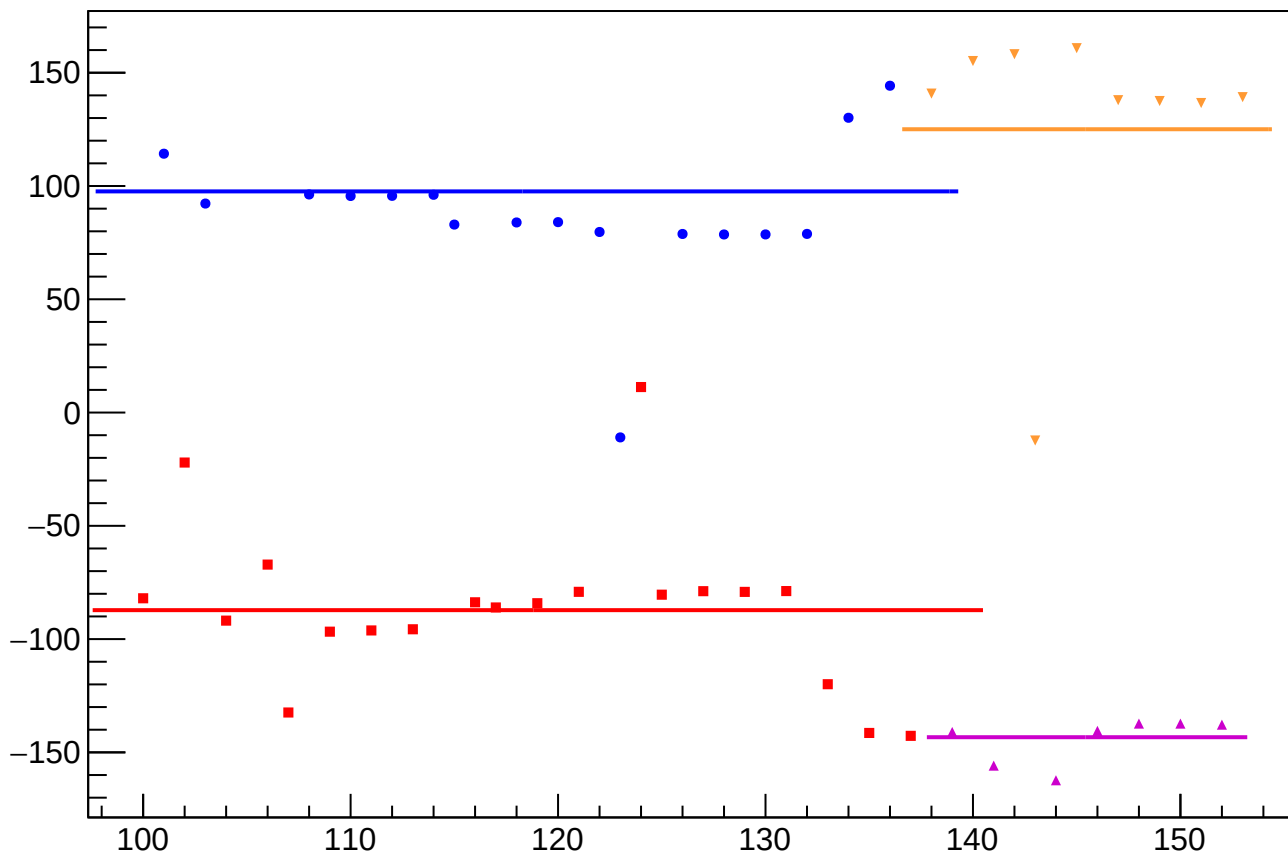
Left In: 73.499 ± 1.529 χ^2/NDF : 84.9/6

-73.815 ± 0.921 χ^2/NDF : 1295.2/25

-2.444 ± 0.660 χ^2/NDF : 14417.1/52

72.984 ± 0.946 χ^2/NDF : 757.1/26

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: 125.055+/-0.071 χ^2/NDF : 536569.3/8

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

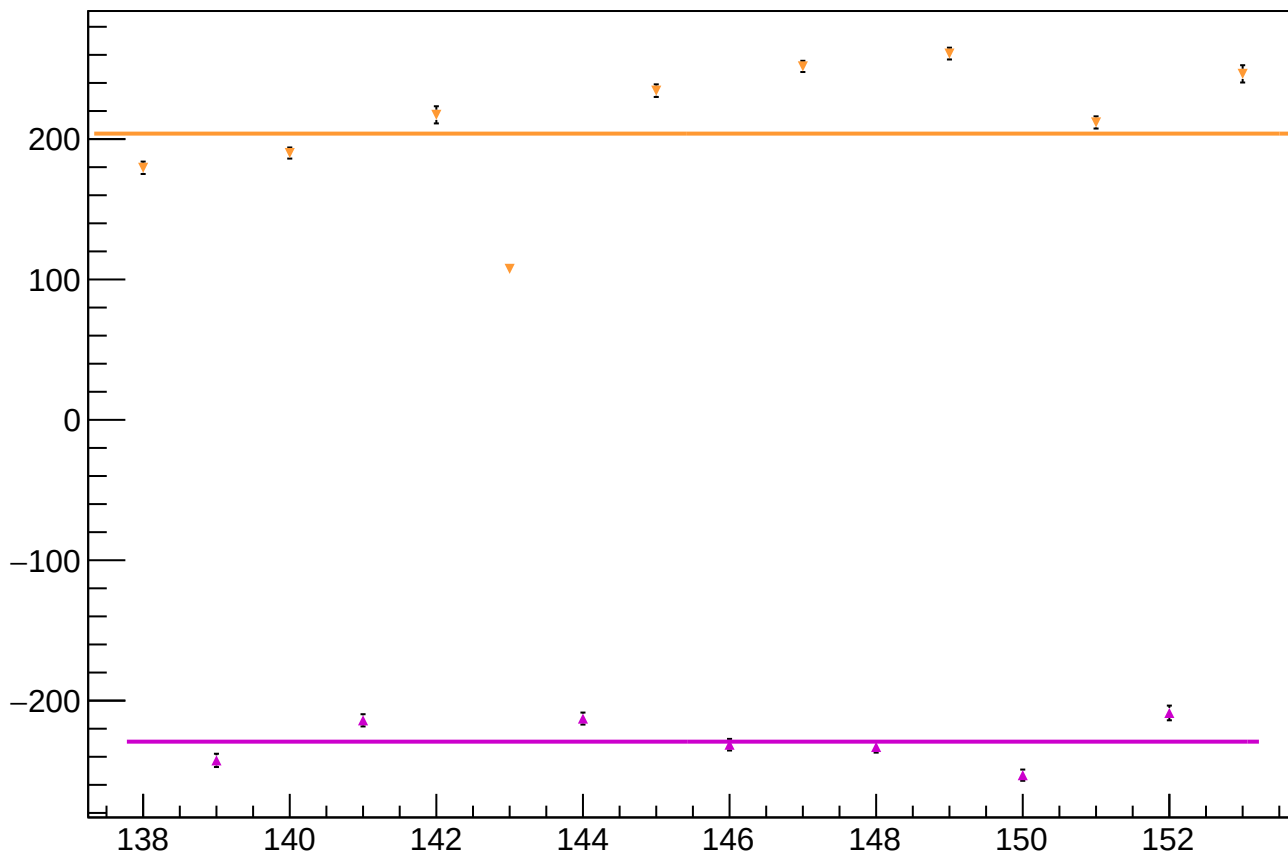
Left In: -143.308+/-0.077 χ^2/NDF : 12969.9/6

111.812+/-0.051 χ^2/NDF : 702276.2/25

-0.635+/-0.036 χ^2/NDF : 10829869.8/52

-111.986+/-0.051 χ^2/NDF : 532455.8/26

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: 203.906 +/- 1.462 χ^2/NDF : 1193.9/8

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

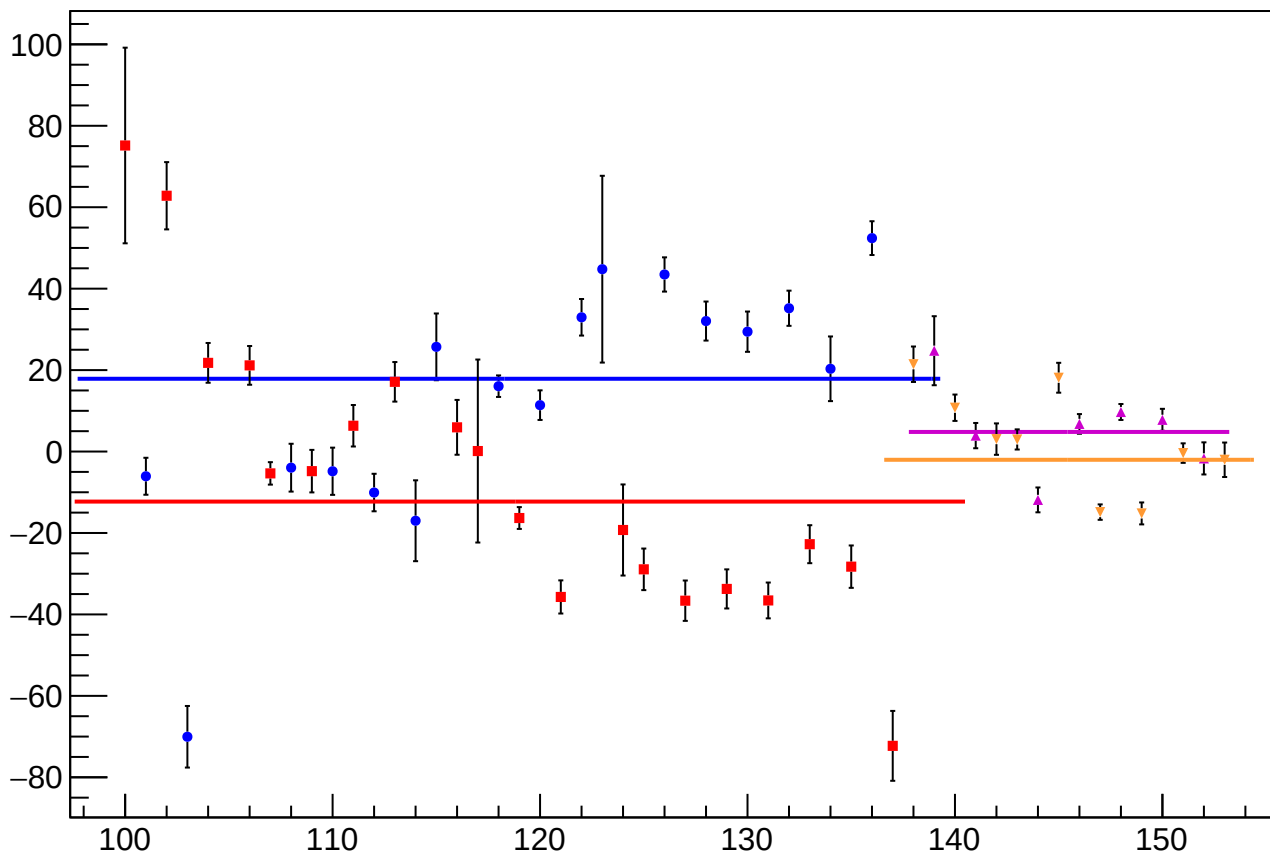
Left In: -229.230 +/- 1.643 χ^2/NDF : 86.9/6

203.906 +/- 1.462 χ^2/NDF : 1193.9/8

12.373 +/- 1.092 χ^2/NDF : 40067.6/15

-229.230 +/- 1.643 χ^2/NDF : 86.9/6

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: -2.024 ± 0.954 χ^2/NDF : 151.0/8

Right Out: -12.288 ± 1.082 χ^2/NDF : 444.4/19

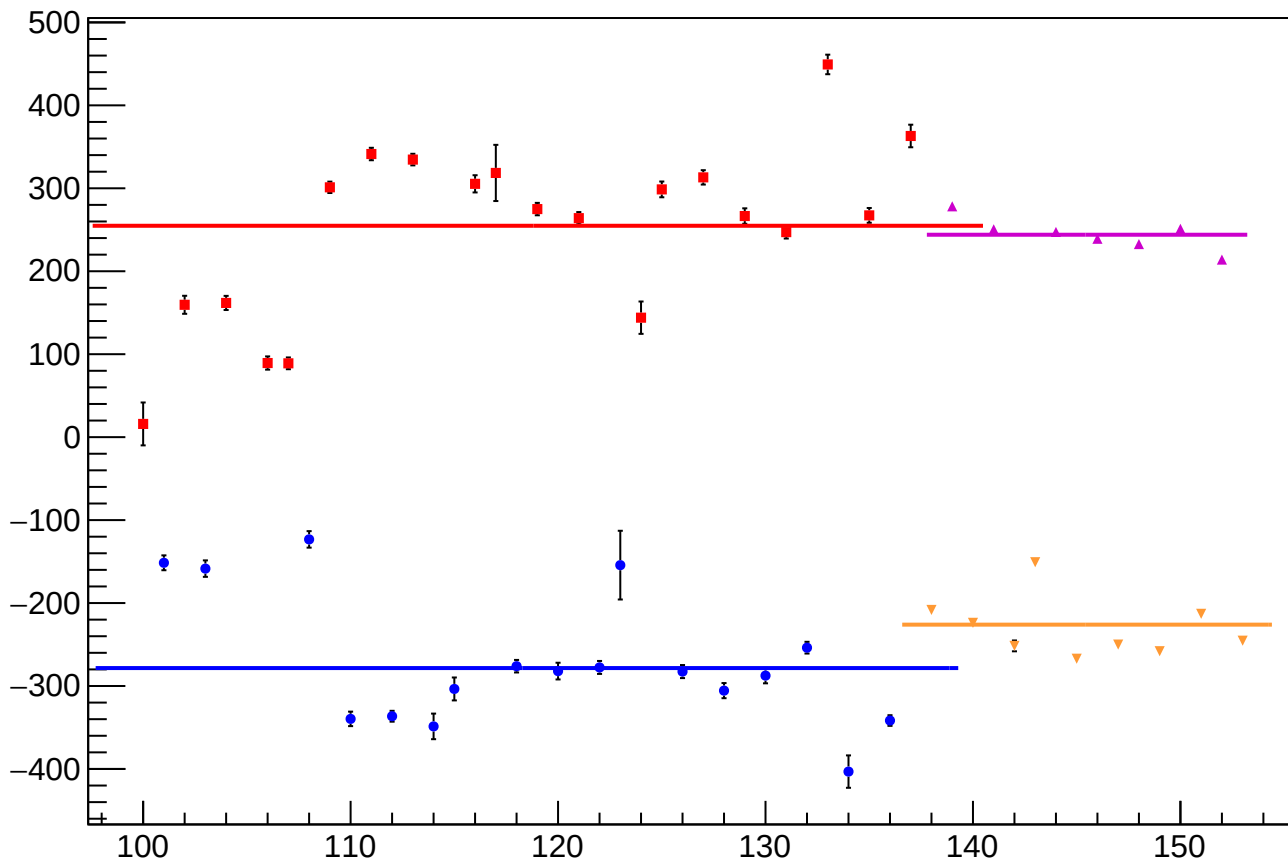
Left In: 4.813 ± 1.079 χ^2/NDF : 46.4/6

5.954 ± 0.738 χ^2/NDF : 720.8/25

1.287 ± 0.531 χ^2/NDF : 1419.7/52

-3.710 ± 0.764 χ^2/NDF : 616.1/26

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: -226.035+/-1.473 χ^2 /NDF:619.7/8

Right Out: 254.830+/-2.016 χ^2 /NDF: 2041.0/19

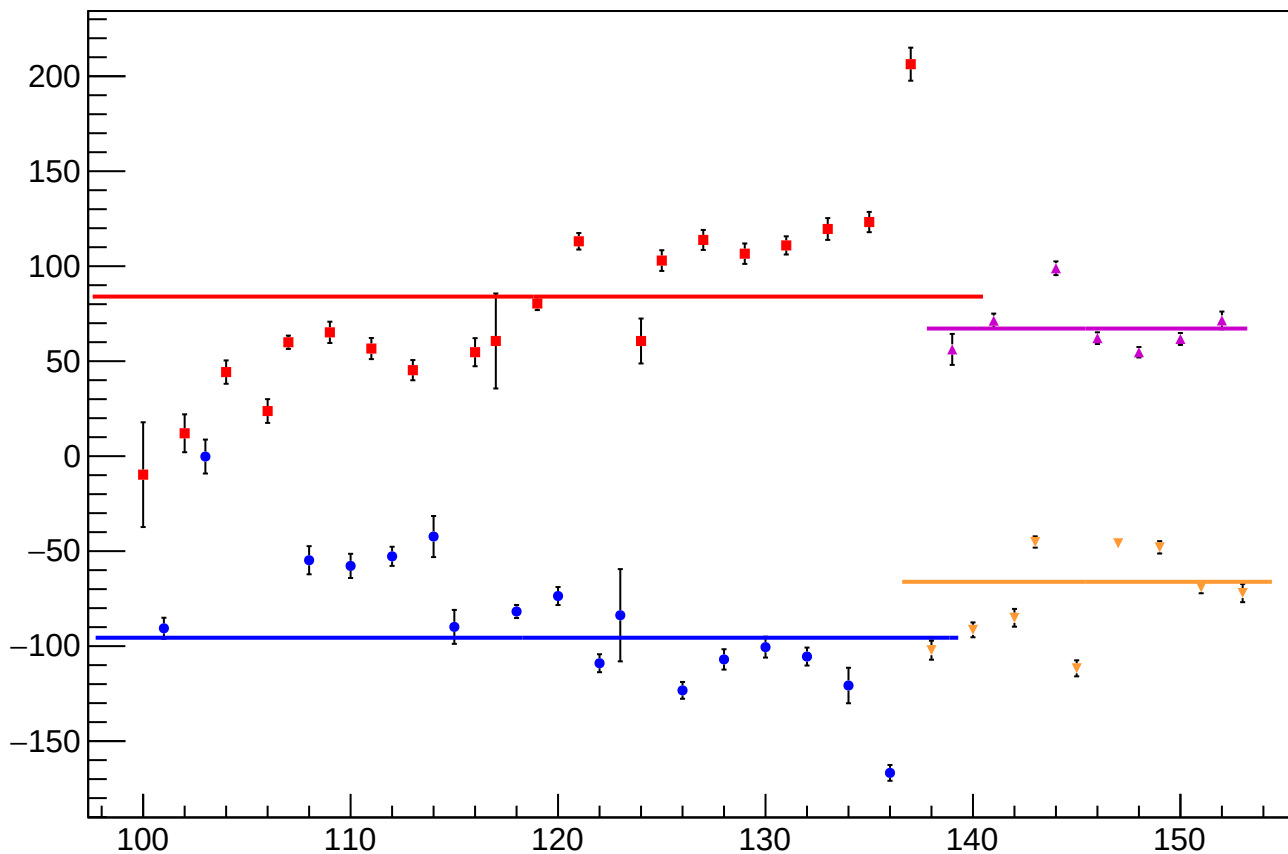
Left In: 244.011+/-1.628 χ^2 /NDF:96.8/6

-242.389+/-1.221 χ^2 /NDF: 1924.9/25

-6.017+/-0.879 χ^2 /NDF: 81851.0/52

248.281+/-1.267 χ^2 /NDF: 2155.3/26

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: -66.143+/-1.189 χ^2/NDF : 369.7/8

Right Out: 84.003+/-1.255 χ^2/NDF : 784.1/19

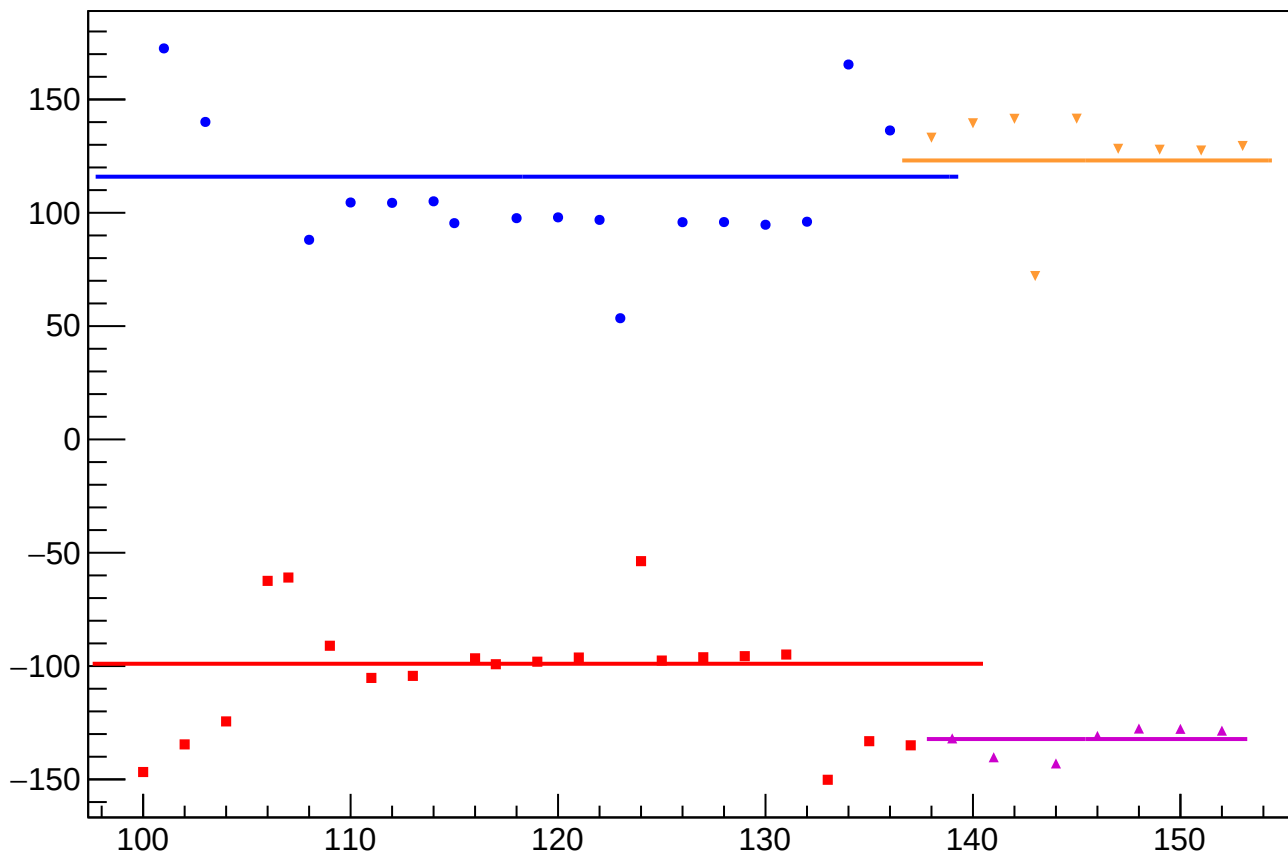
Left In: 67.176+/-1.349 χ^2/NDF : 107.5/6

-79.102+/-0.889 χ^2/NDF : 1310.8/25

-3.984+/-0.639 χ^2/NDF : 17031.1/52

76.195+/-0.919 χ^2/NDF : 974.9/26

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: 123.090+/-0.062 χ^2/NDF :138980.7/8

Right Out: -98.982+/-0.068 χ^2/NDF : 172974.2/19

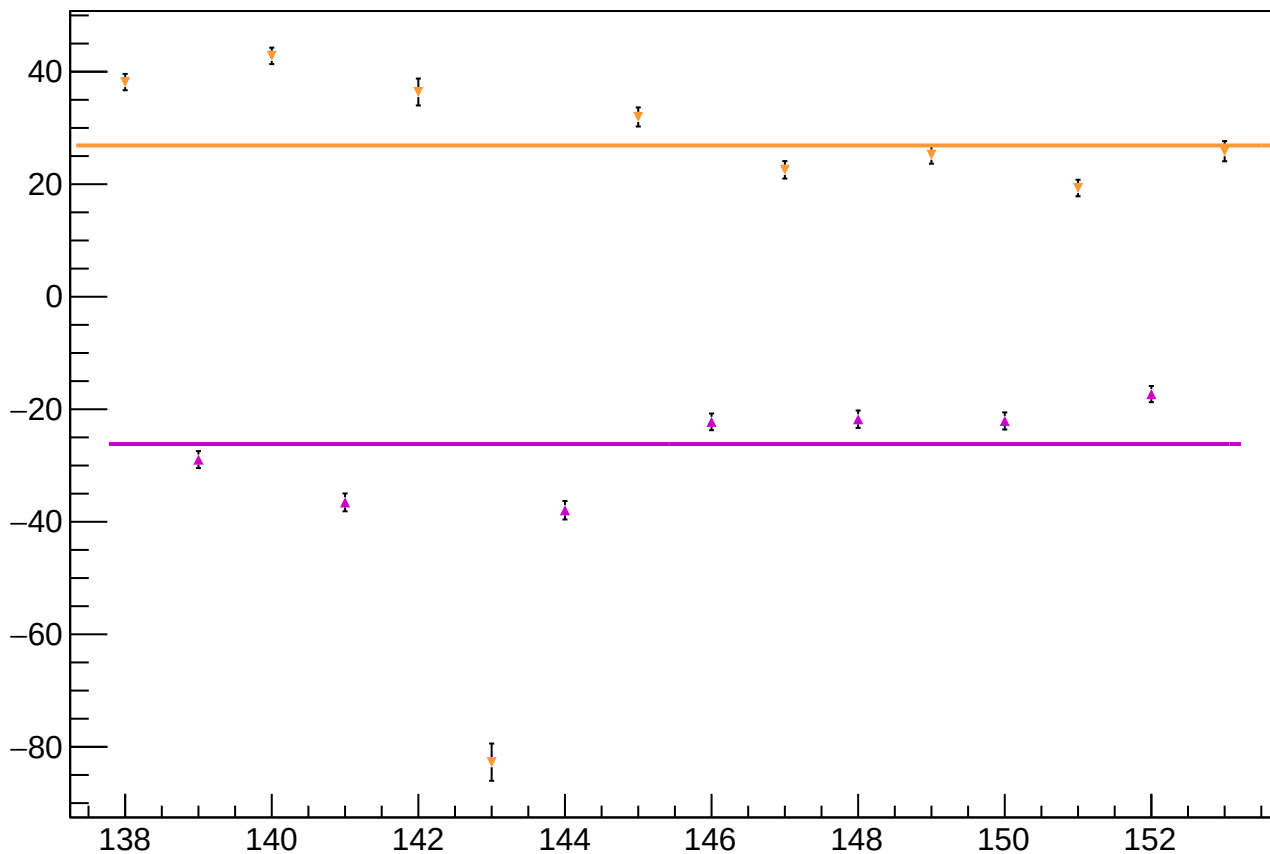
Left In: -132.199+/-0.068 χ^2/NDF :6765.0/6

120.360+/-0.048 χ^2/NDF : 249934.9/25

1.868+/-0.034 χ^2/NDF : 12479663.6/52

-115.720+/-0.048 χ^2/NDF : 298293.5/26

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: 26.885+/-0.565 χ^2/NDF :1335.9/8

26.885+/-0.565 χ^2/NDF : 1335.9/8

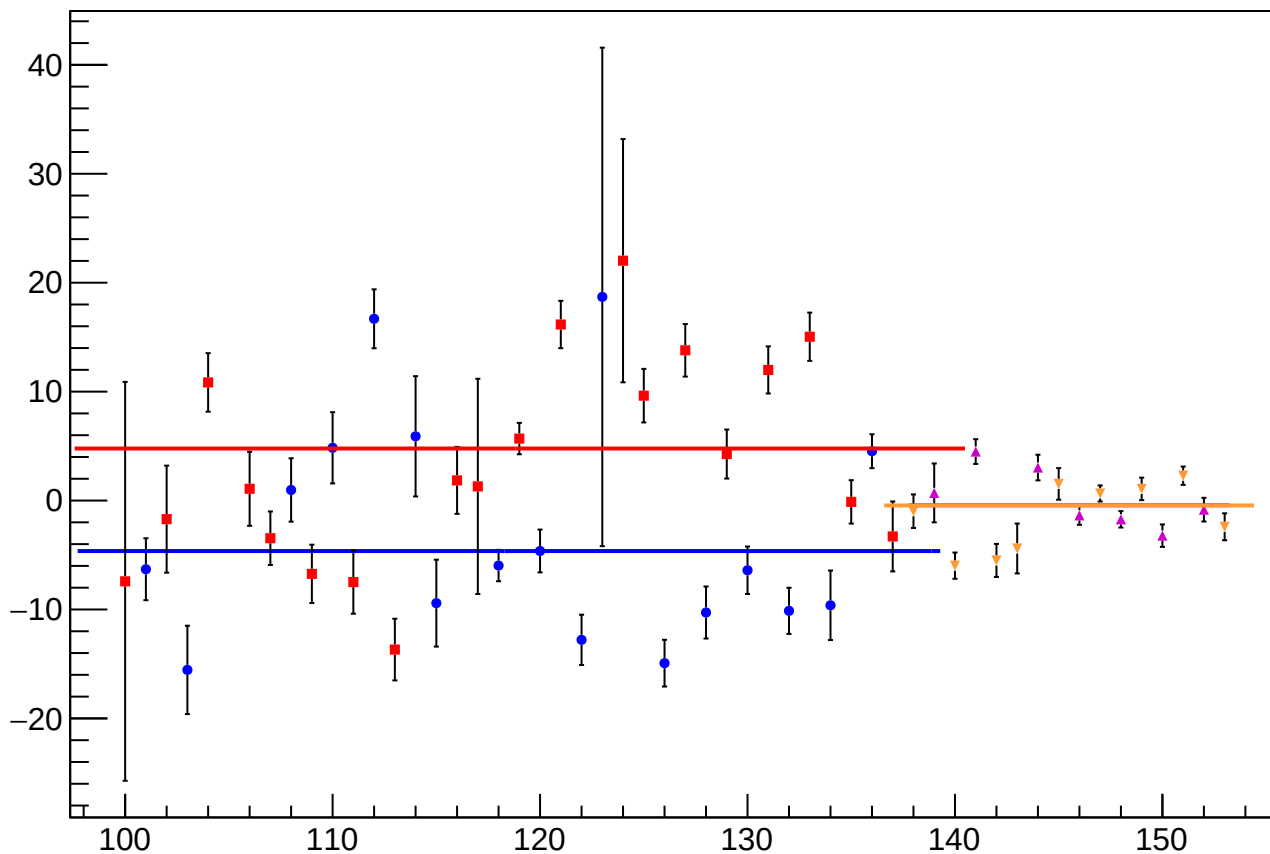
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.976+/-0.404 χ^2/NDF : 5804.9/15

Left In: -26.177+/-0.578 χ^2/NDF :157.9/6

-26.177+/-0.578 χ^2/NDF : 157.9/6

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: -0.451 ± 0.376 χ^2/NDF : 54.6/8

Right Out: 4.779 ± 0.583 χ^2/NDF : 192.7/19

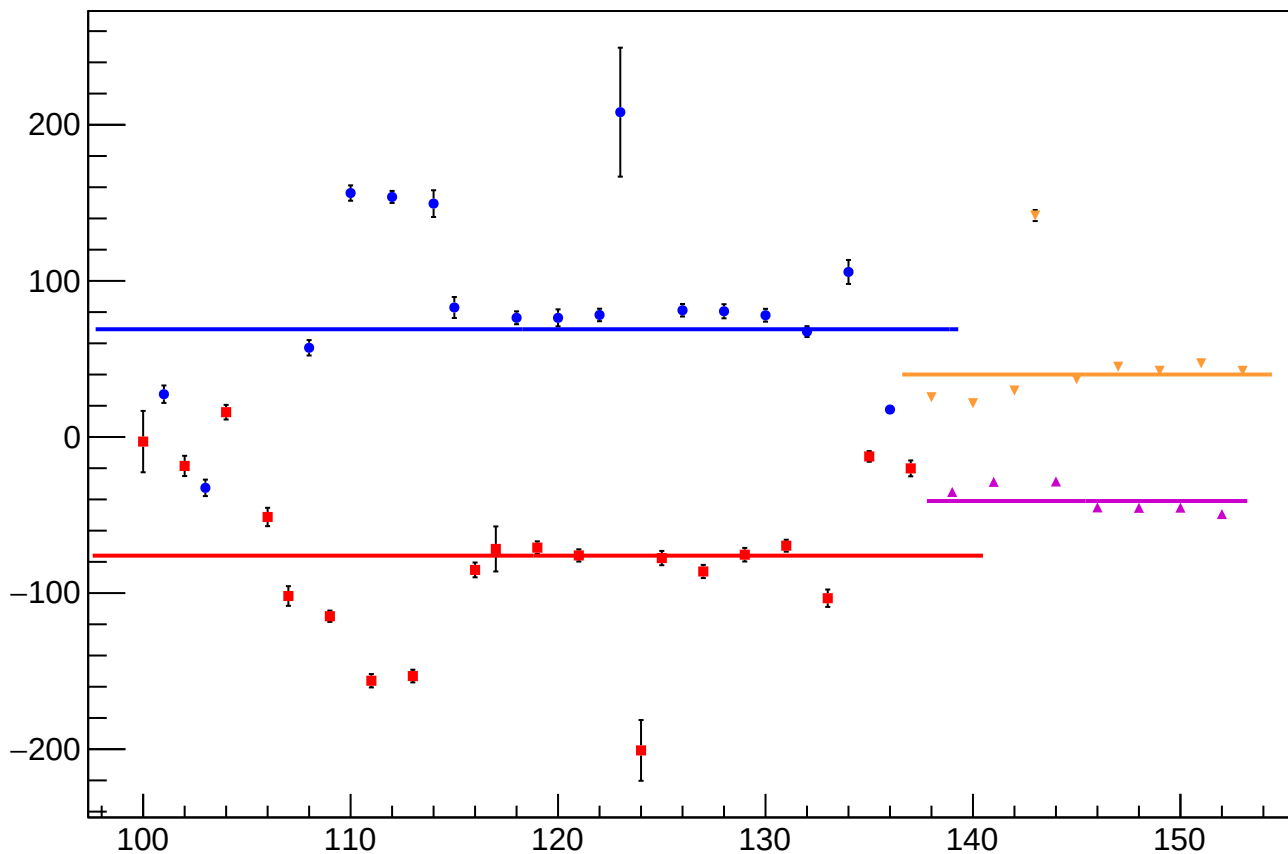
Left In: -0.433 ± 0.392 χ^2/NDF : 39.2/6

-1.669 ± 0.317 χ^2/NDF : 265.0/25

-0.278 ± 0.227 χ^2/NDF : 591.3/52

1.187 ± 0.325 χ^2/NDF : 286.8/26

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 40.028 ± 0.563 $\chi^2/\text{NDF}: 1117.6/8$

Right Out: -76.017 ± 1.067 $\chi^2/\text{NDF}: 1882.0/19$

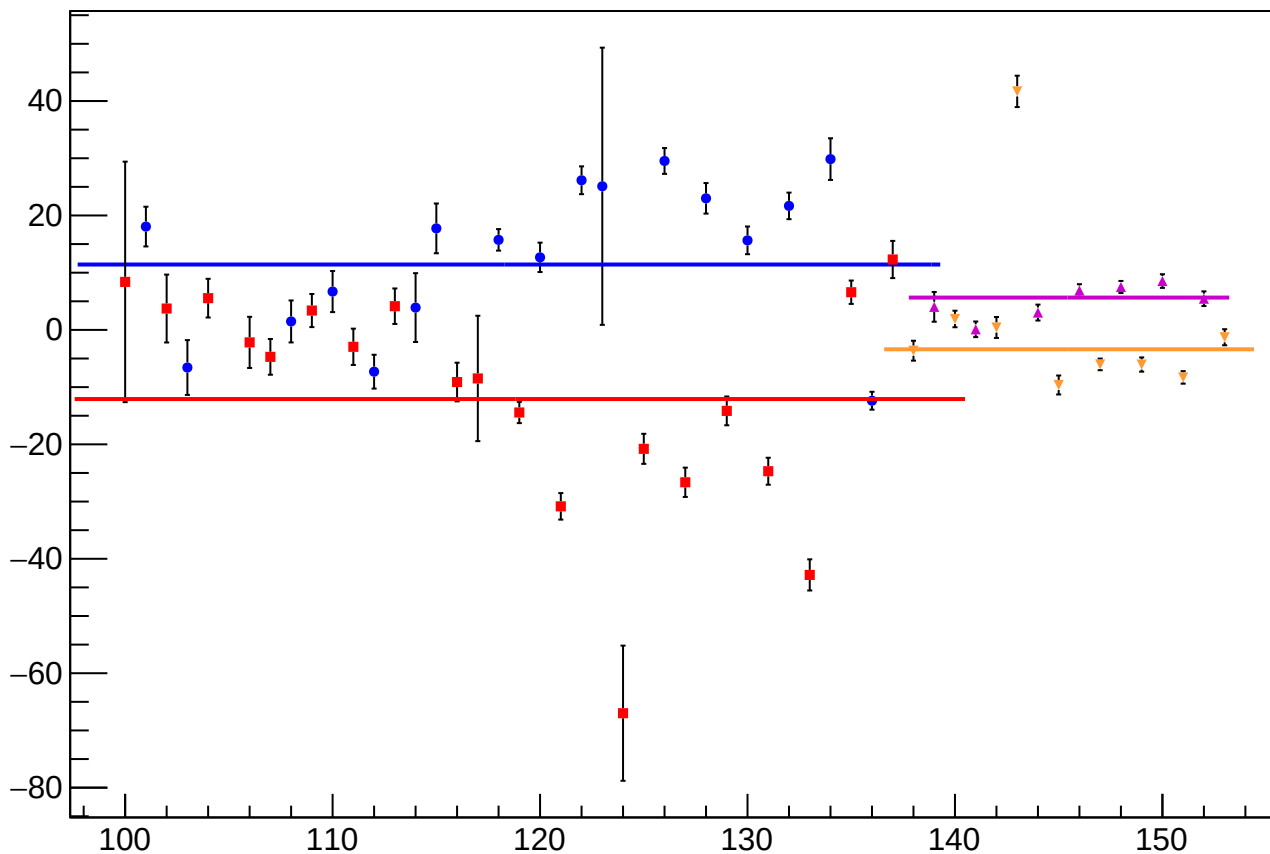
Left In: -41.022 ± 0.574 $\chi^2/\text{NDF}: 179.1/6$

46.191 ± 0.500 $\chi^2/\text{NDF}: 3529.5/25$

-0.801 ± 0.355 $\chi^2/\text{NDF}: 24326.1/52$

-48.869 ± 0.505 $\chi^2/\text{NDF}: 2895.7/26$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: -3.388 ± 0.468 χ^2/NDF : 335.8/8

Right Out: -12.082 ± 0.663 χ^2/NDF : 539.2/19

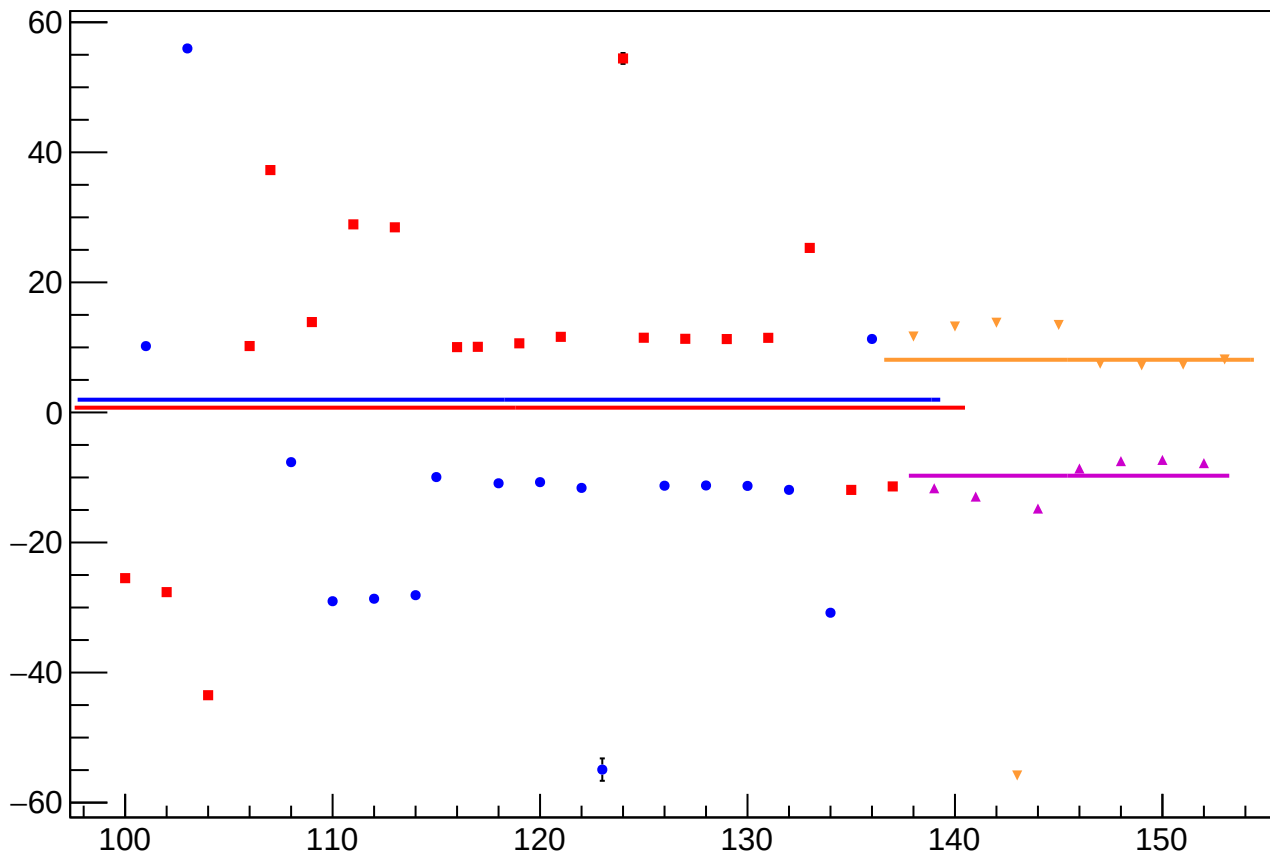
Left In: 5.649 ± 0.487 χ^2/NDF : 30.6/6

1.515 ± 0.383 χ^2/NDF : 1144.2/25

0.500 ± 0.274 χ^2/NDF : 2193.4/52

-0.565 ± 0.392 χ^2/NDF : 1034.8/26

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 8.099 $\pm$ 0.023 χ^2 /NDF: 222423.0/8

Right Out: 0.733 $\pm$ 0.037 χ^2 /NDF: 361368.4/19

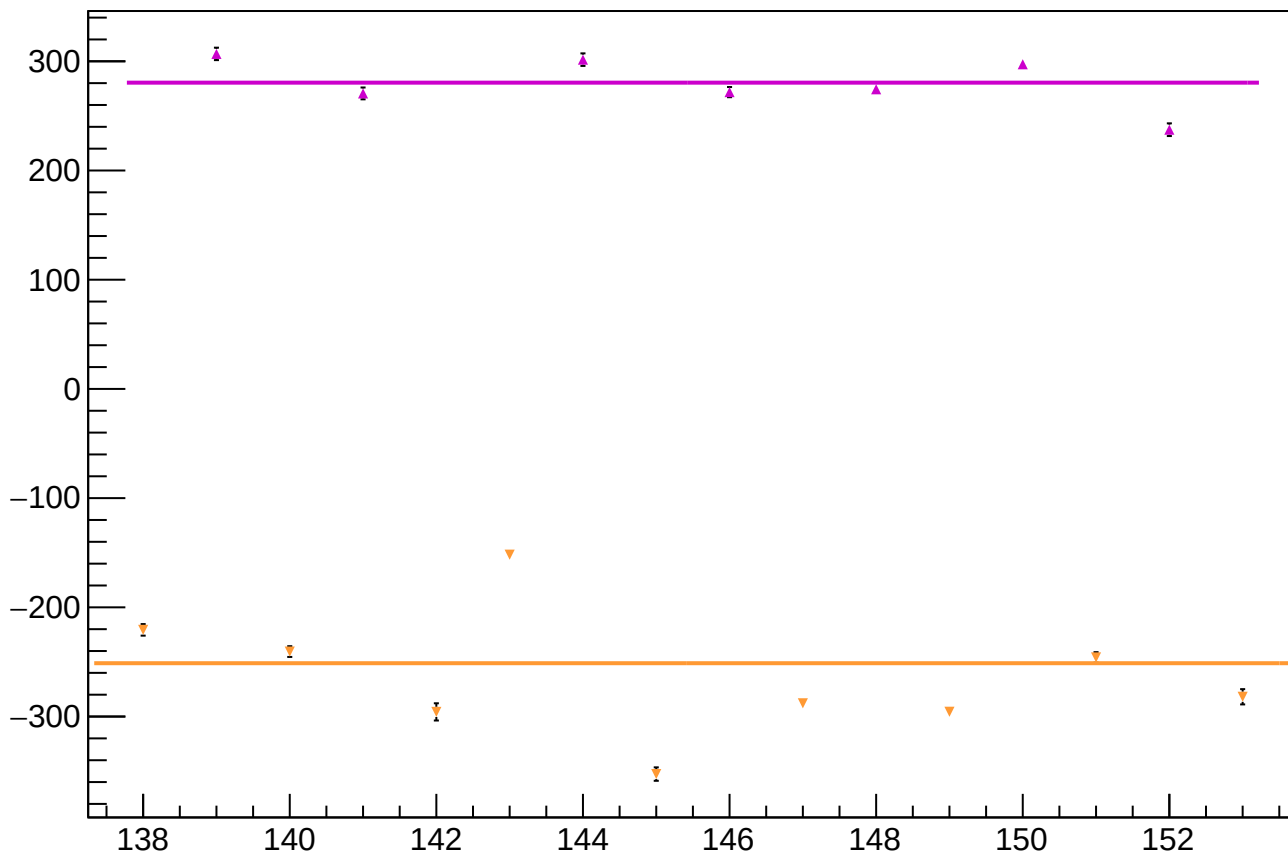
Left In: -9.730 $\pm$ 0.024 χ^2 /NDF: 12111.7/6

6.366 $\pm$ 0.020 χ^2 /NDF: 600482.1/25

-0.082 $\pm$ 0.014 χ^2 /NDF: 1246651.0/52

-6.690 $\pm$ 0.020 χ^2 /NDF: 430024.3/26

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -251.162 $\pm$ 1.704 χ^2 /NDF:1145.3/8

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

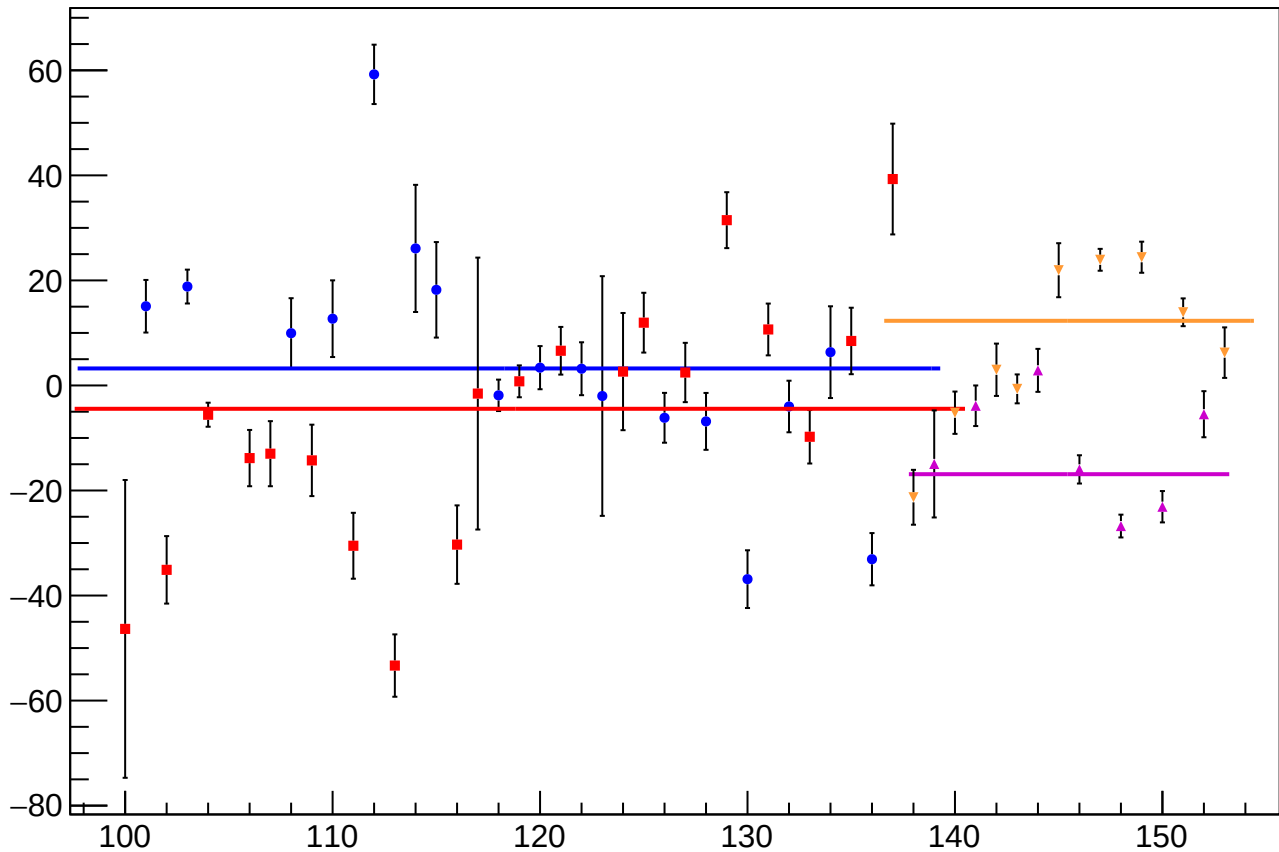
Left In: 280.438 $\pm$ 1.920 χ^2 /NDF:112.6/6

-251.162 $\pm$ 1.704 χ^2 /NDF: 1145.3/8

-16.913 $\pm$ 1.274 χ^2 /NDF: 44156.3/15

280.438 $\pm$ 1.920 χ^2 /NDF: 112.6/6

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: 12.308 ± 1.092 $\chi^2/\text{NDF}: 139.2/8$

Right Out: -4.444 ± 1.156 $\chi^2/\text{NDF}: 225.8/19$

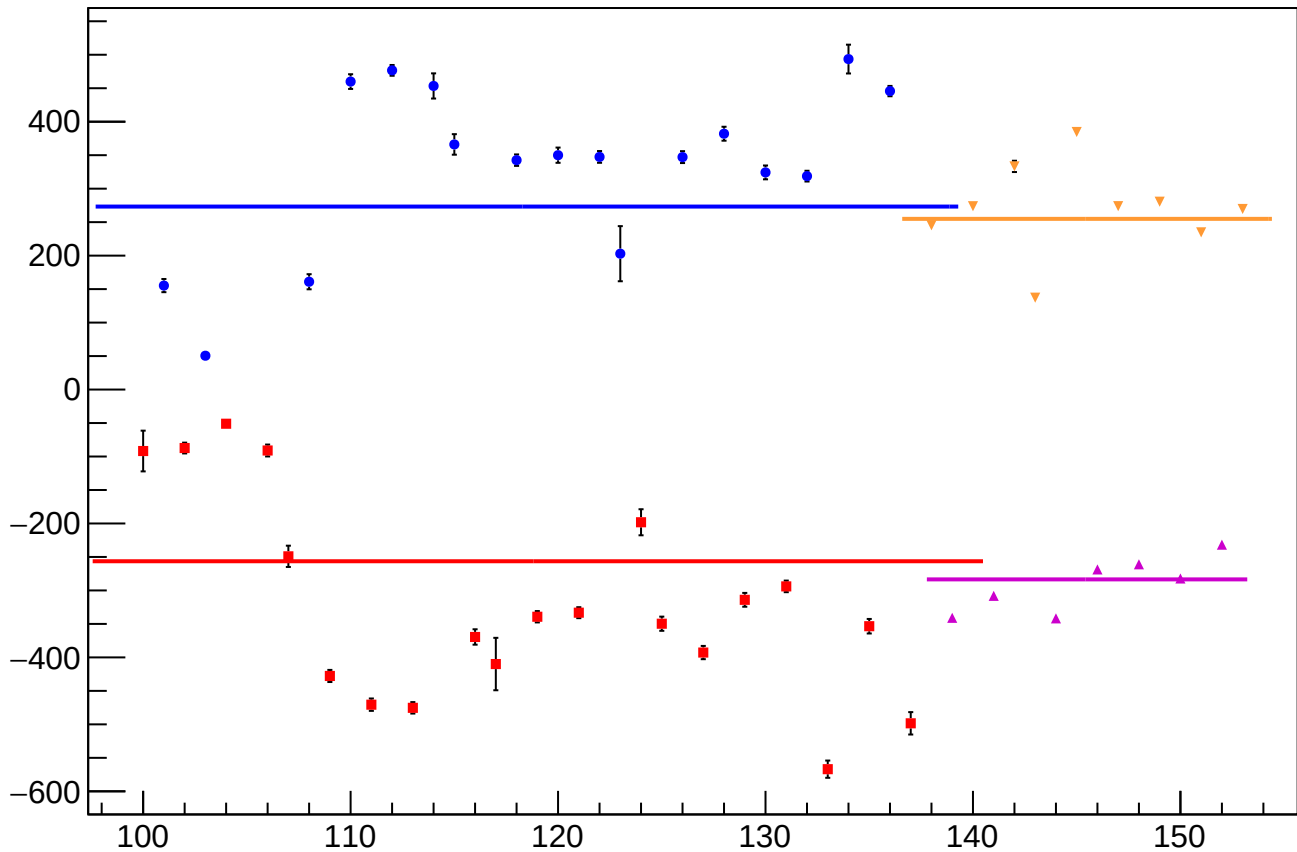
Left In: -16.895 ± 1.240 $\chi^2/\text{NDF}: 66.6/6$

8.361 ± 0.820 $\chi^2/\text{NDF}: 424.6/25$

-0.658 ± 0.589 $\chi^2/\text{NDF}: 1020.1/52$

-10.236 ± 0.845 $\chi^2/\text{NDF}: 346.4/26$

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: 254.916 $\pm$ 1.704 χ^2/NDF :1350.8/8

Right Out: -256.418 $\pm$ 2.077 χ^2/NDF : 6453.9/19

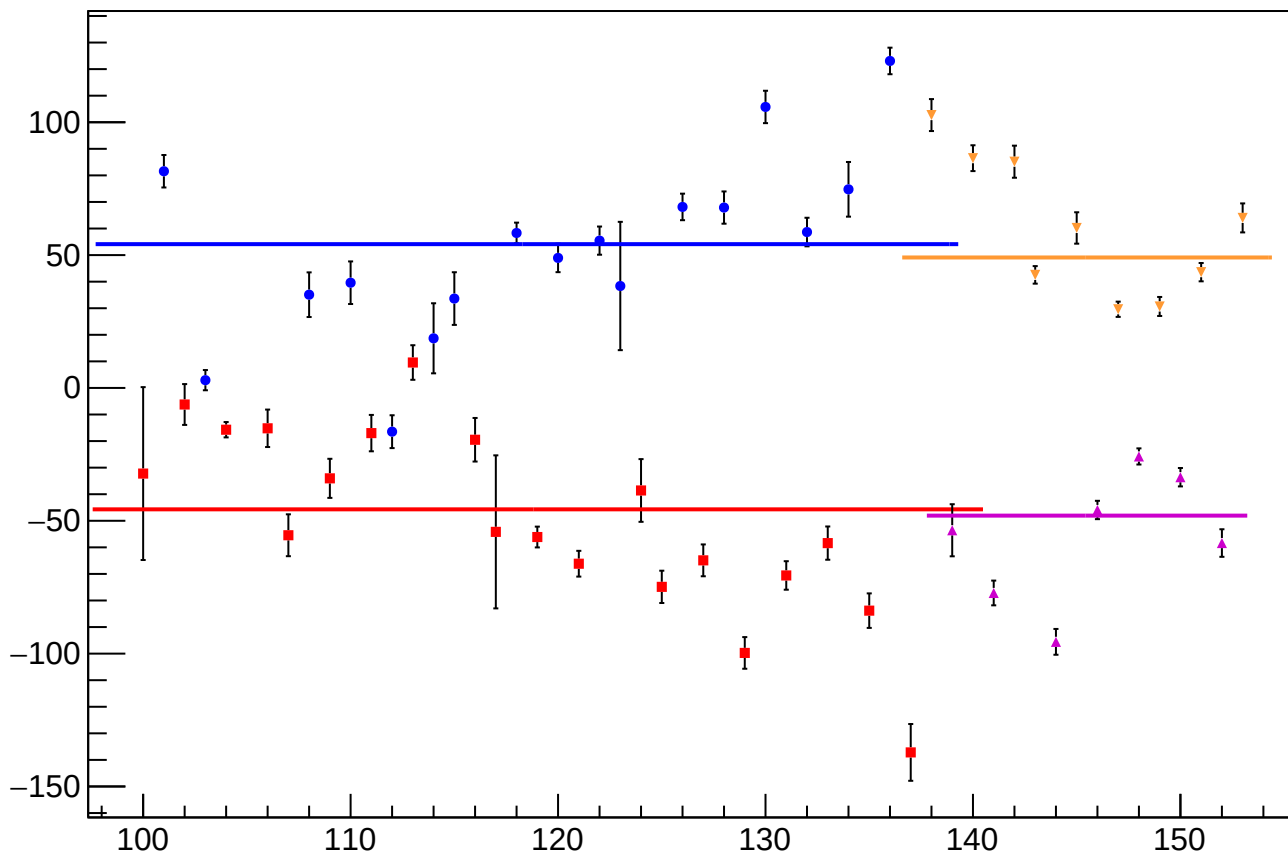
Left In: -283.507 $\pm$ 1.888 χ^2/NDF :320.6/6

261.784 $\pm$ 1.348 χ^2/NDF : 6495.8/25

4.737 $\pm$ 0.970 χ^2/NDF : 88717.5/52

-271.246 $\pm$ 1.397 χ^2/NDF : 6867.6/26

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: 49.103 ± 1.367 χ^2/NDF : 264.3/8

Right Out: -45.694 ± 1.356 χ^2/NDF : 531.1/19

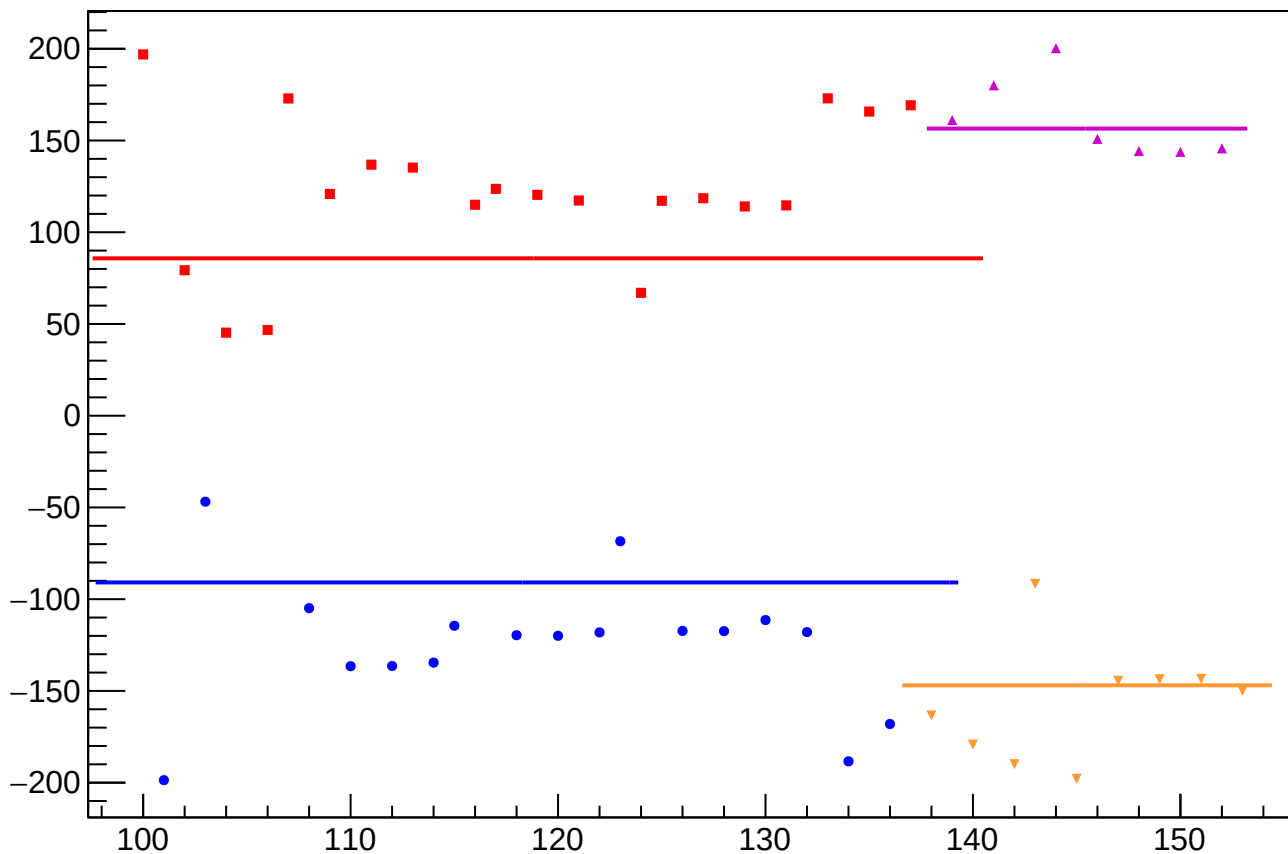
Left In: -48.057 ± 1.558 χ^2/NDF : 210.7/6

51.485 ± 0.991 χ^2/NDF : 904.6/25

3.941 ± 0.712 χ^2/NDF : 6403.3/52

-46.712 ± 1.023 χ^2/NDF : 743.1/26

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -146.927 ± 0.072 $\chi^2/\text{NDF}: 186662.7/8$

Right Out: 85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

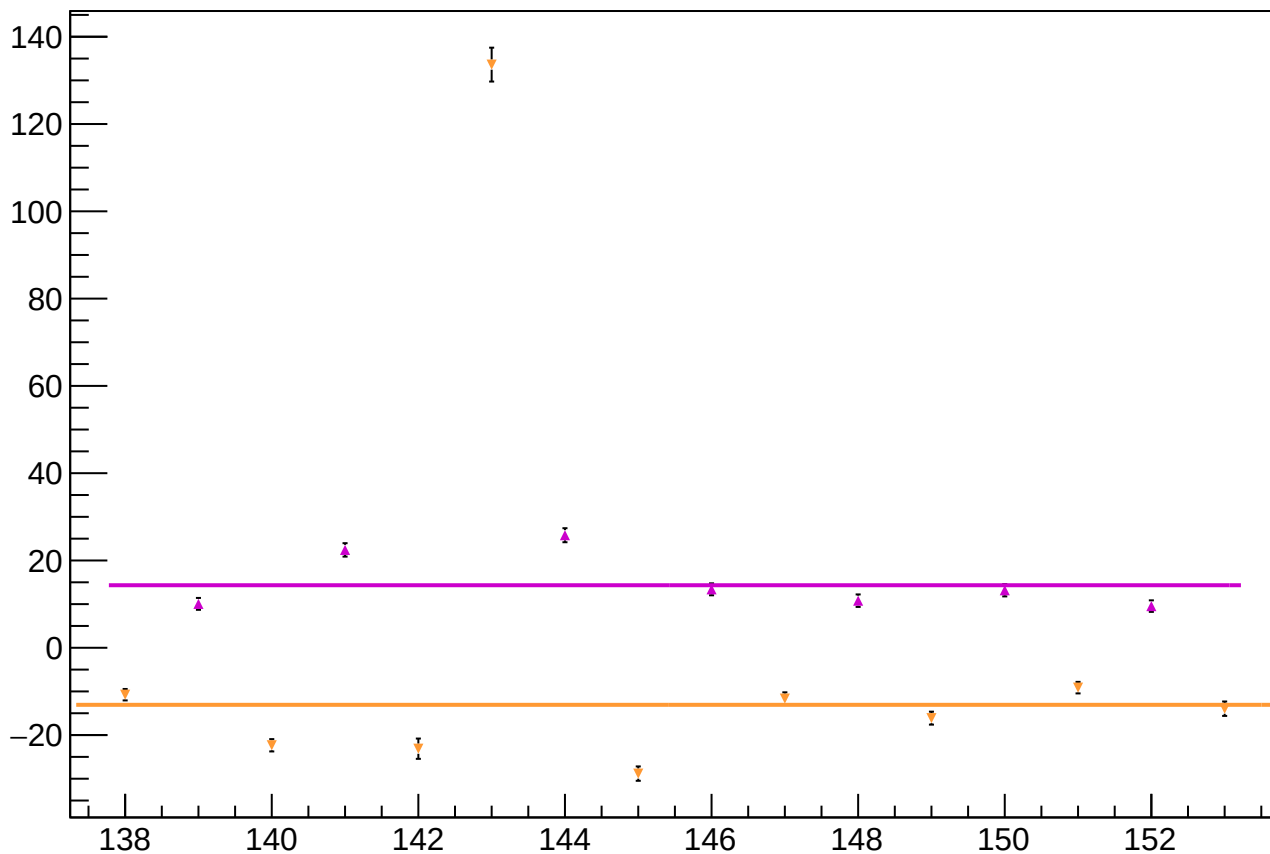
Left In: 156.488 ± 0.079 $\chi^2/\text{NDF}: 50021.0/6$

-117.388 ± 0.049 $\chi^2/\text{NDF}: 1043710.1/25$

-3.885 ± 0.035 $\chi^2/\text{NDF}: 12937460.4/52$

114.339 ± 0.050 $\chi^2/\text{NDF}: 1022459.4/26$

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: -13.071+/-0.529 χ^2/NDF :1599.2/8

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

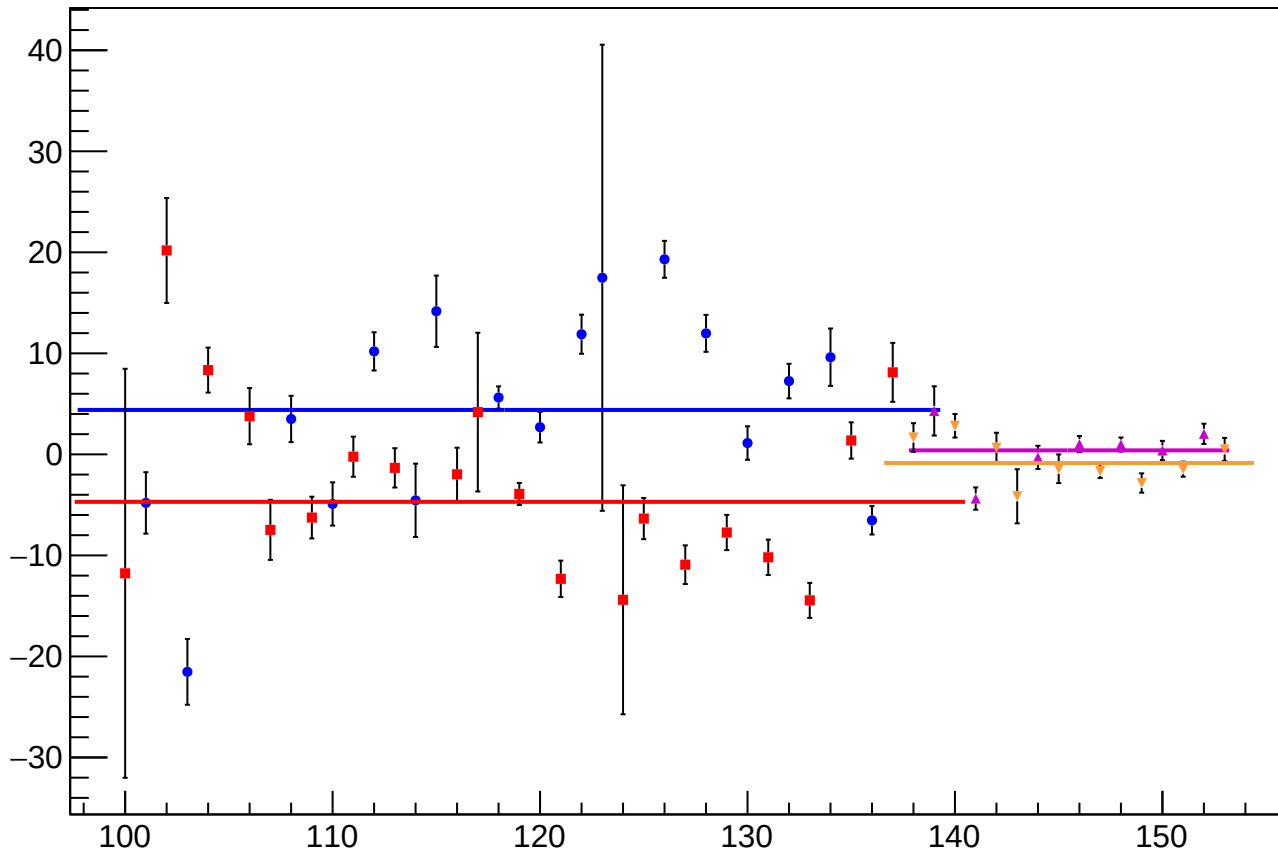
Left In: 14.329+/-0.539 χ^2/NDF :108.6/6

-13.071+/-0.529 χ^2/NDF : 1599.2/8

0.369+/-0.377 χ^2/NDF : 3026.1/15

14.329+/-0.539 χ^2/NDF : 108.6/6

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: -0.854 ± 0.351 χ^2/NDF : 23.6/8

Right Out: -4.700 ± 0.472 χ^2/NDF : 184.2/19

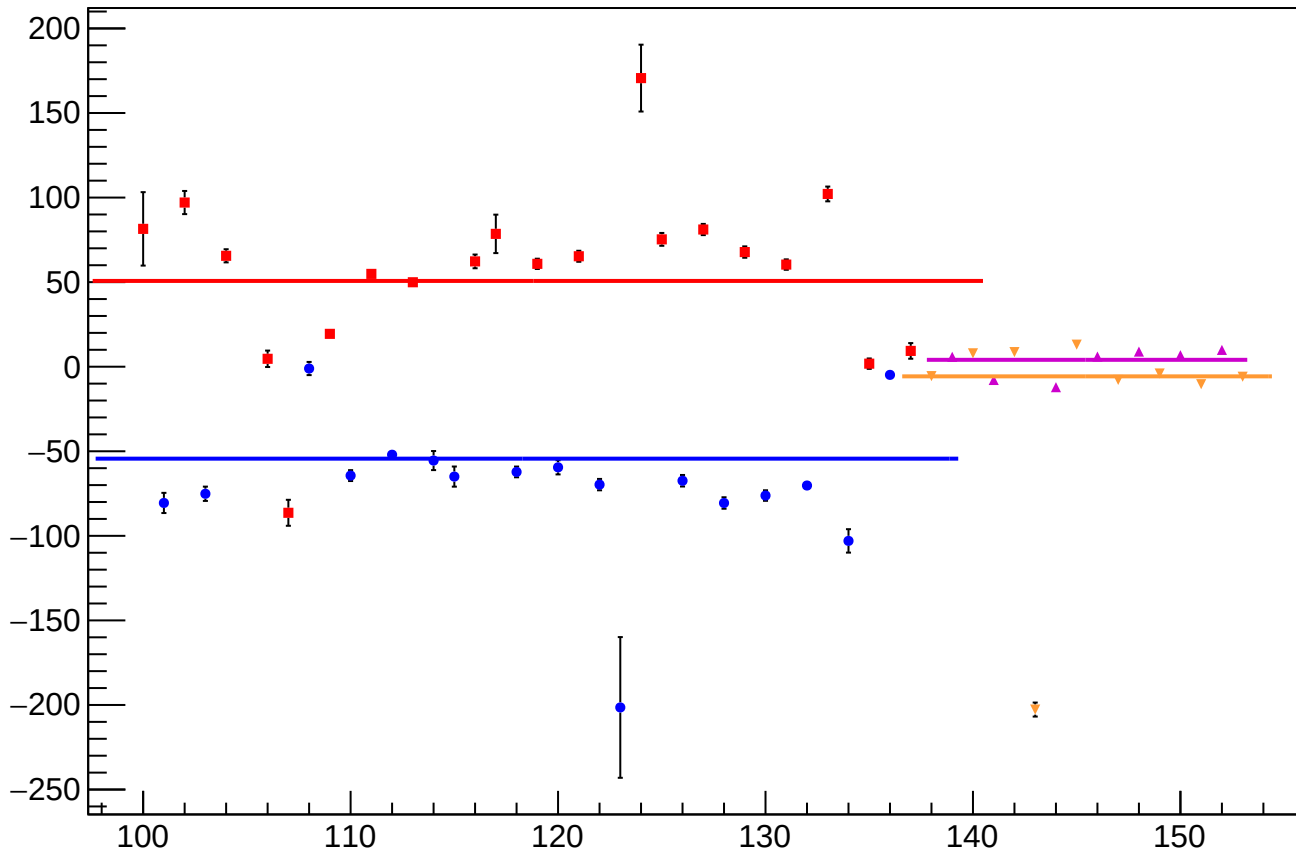
Left In: 0.397 ± 0.366 χ^2/NDF : 25.5/6

1.020 ± 0.281 χ^2/NDF : 390.4/25

-0.213 ± 0.202 χ^2/NDF : 712.4/52

-1.515 ± 0.289 χ^2/NDF : 282.5/26

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: -5.708+/-0.526 χ^2/NDF : 2513.8/8

Right Out: 50.712+/-0.855 χ^2/NDF : 1327.3/19

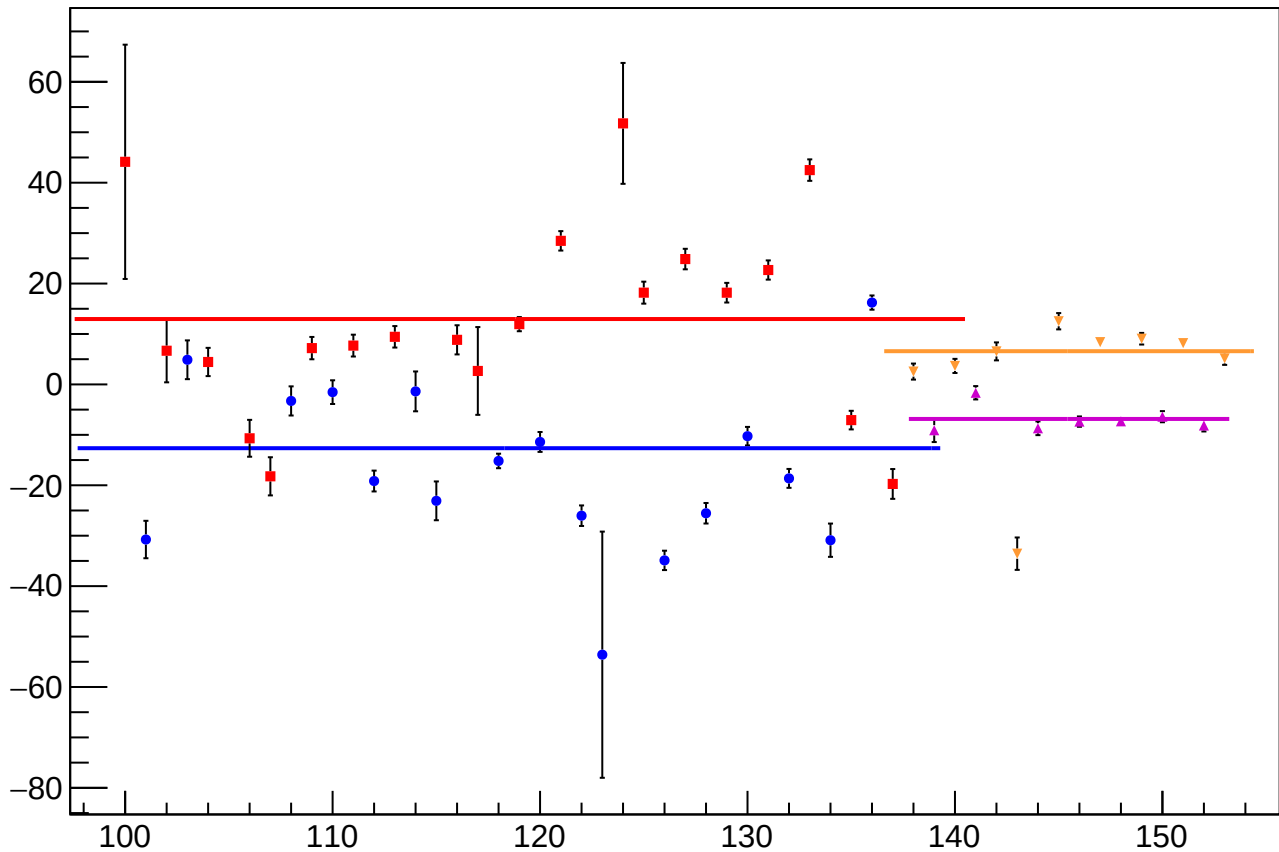
Left In: 4.069+/-0.534 χ^2/NDF : 184.1/6

-18.758+/-0.450 χ^2/NDF : 5825.6/25

-0.931+/-0.319 χ^2/NDF : 12644.3/52

17.150+/-0.453 χ^2/NDF : 3652.5/26

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: 6.588 ± 0.437 χ^2/NDF : 192.8/8

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

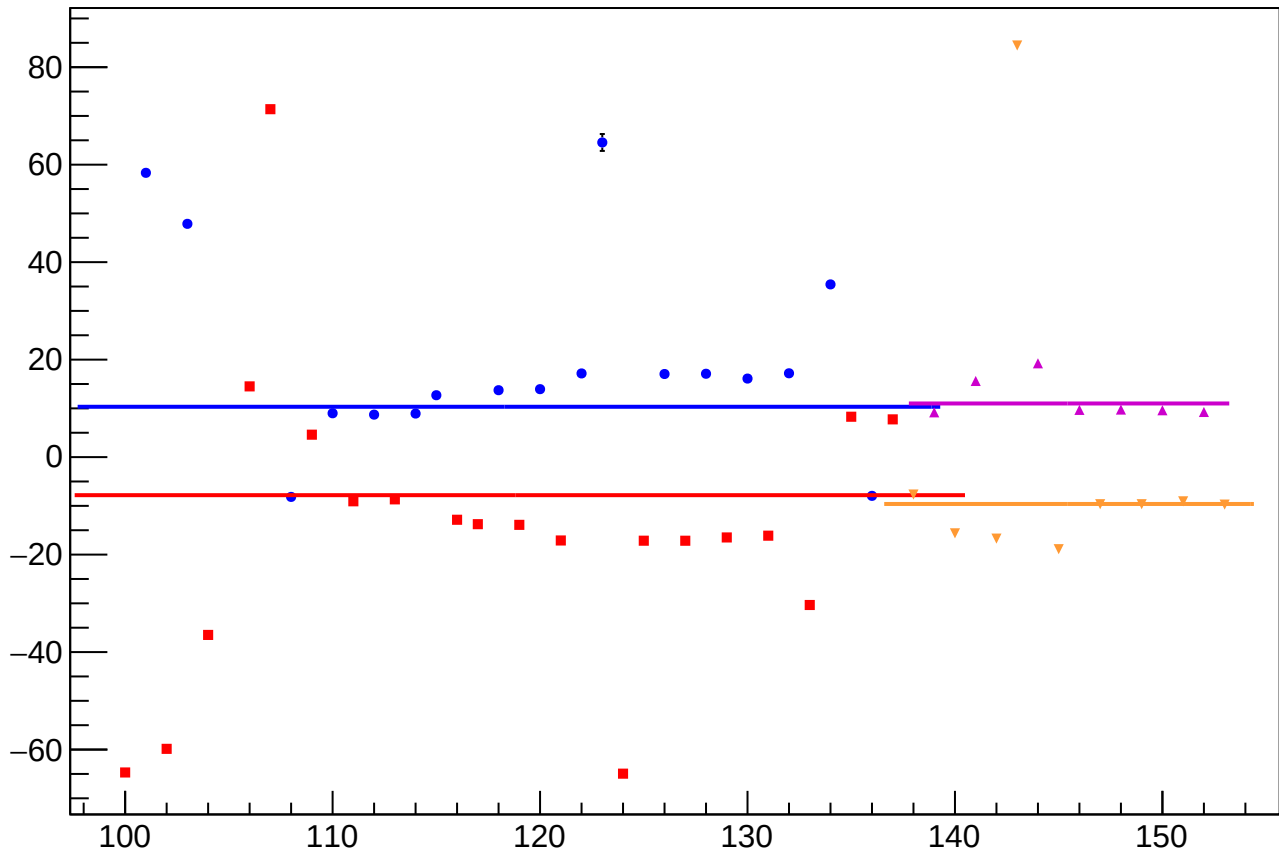
Left In: -6.848 ± 0.455 χ^2/NDF : 20.0/6

-1.088 ± 0.339 χ^2/NDF : 1754.4/25

0.145 ± 0.242 χ^2/NDF : 3318.0/52

1.437 ± 0.347 χ^2/NDF : 1536.4/26

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -9.613 $\pm$ 0.022 χ^2 /NDF: 354433.2/8

Right Out: -7.808 $\pm$ 0.031 χ^2 /NDF: 544249.7/19

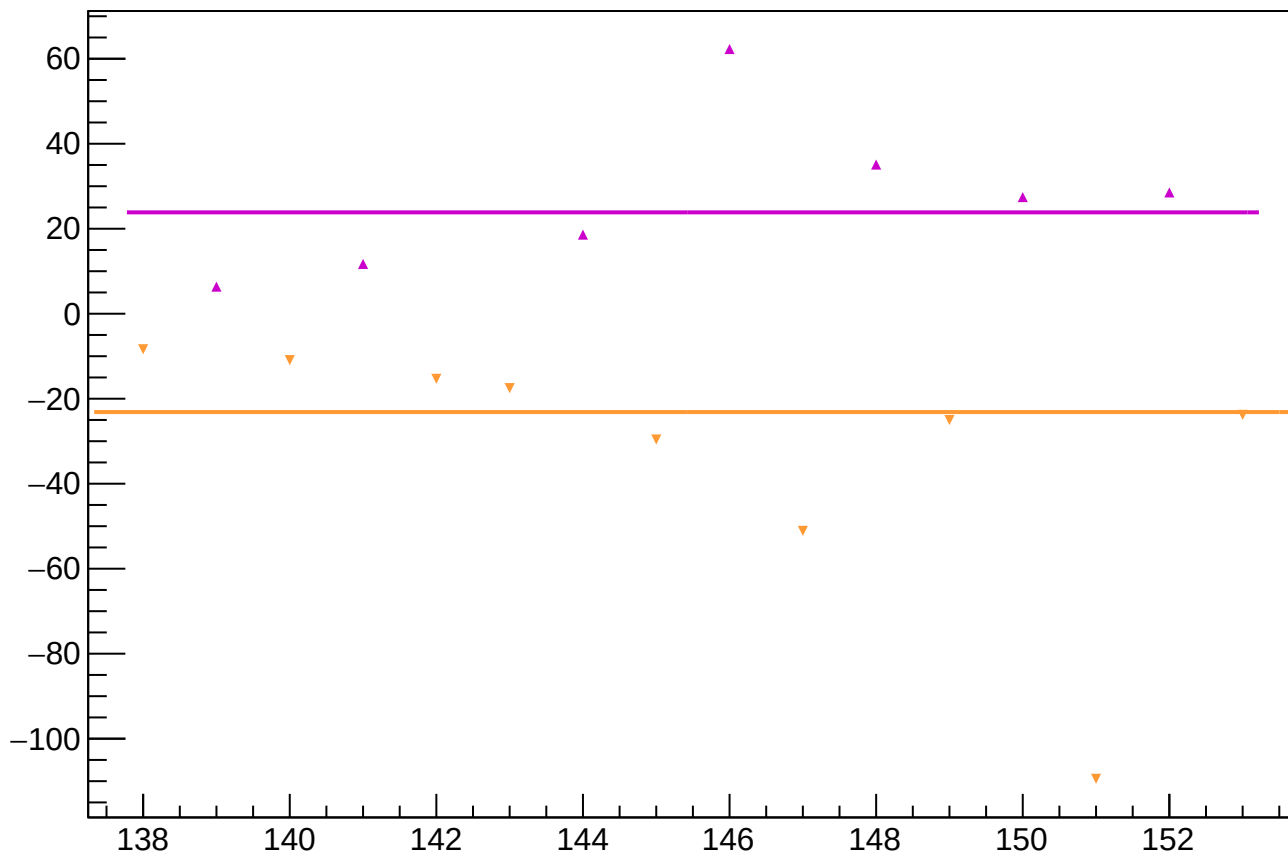
Left In: 11.005 $\pm$ 0.022 χ^2 /NDF: 20868.9/6

-2.943 $\pm$ 0.018 χ^2 /NDF: 1016578.0/25

0.849 $\pm$ 0.013 χ^2 /NDF: 1916522.6/52

4.757 $\pm$ 0.018 χ^2 /NDF: 807179.4/26

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: -23.141+/-0.092 χ^2/NDF : 48914.3/8

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

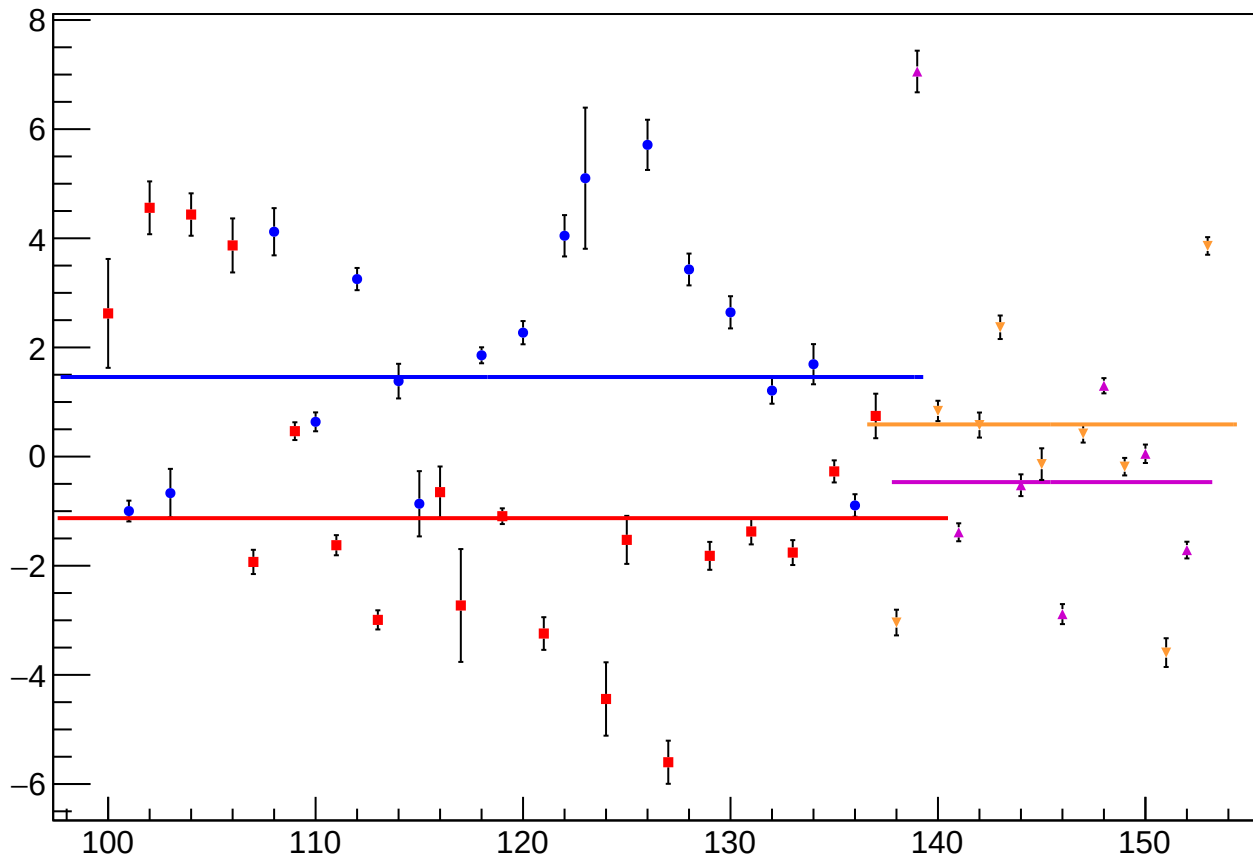
Left In: 23.851+/-0.094 χ^2/NDF : 27101.0/6

-23.141+/-0.092 χ^2/NDF : 48914.3/8

-0.161+/-0.066 χ^2/NDF : 202493.5/15

23.851+/-0.094 χ^2/NDF : 27101.0/6

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 0.590 ± 0.066 χ^2/NDF : 1001.1/8

Right Out: -1.128 ± 0.058 χ^2/NDF : 949.8/19

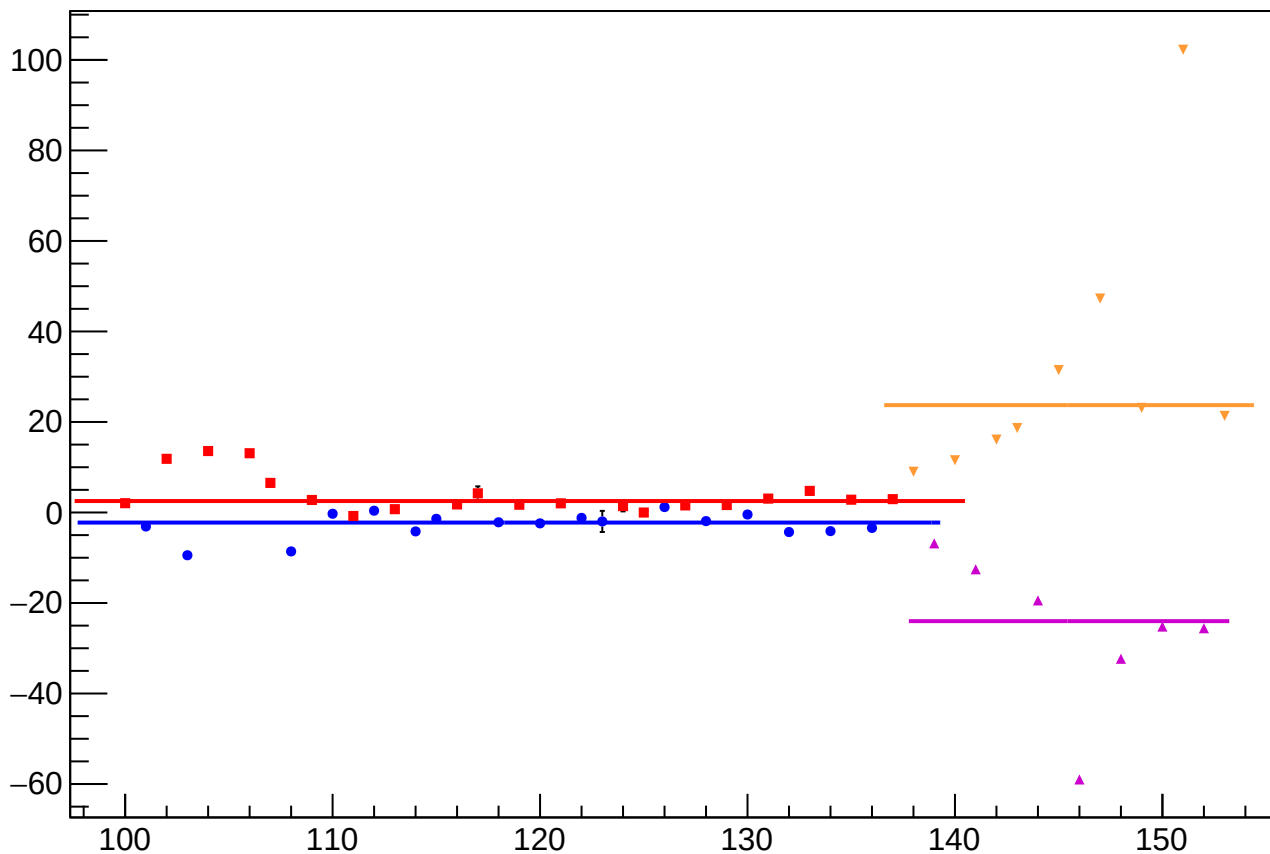
Left In: -0.468 ± 0.066 χ^2/NDF : 829.3/6

1.053 ± 0.045 χ^2/NDF : 1791.0/25

0.072 ± 0.031 χ^2/NDF : 4534.5/52

-0.842 ± 0.044 χ^2/NDF : 1835.3/26

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228+/-0.111 χ^2/NDF : 460.4/16

Left Out: 23.719+/-0.093 χ^2/NDF : 43616.5/8

Right Out: 2.527+/-0.099 χ^2/NDF : 905.2/19

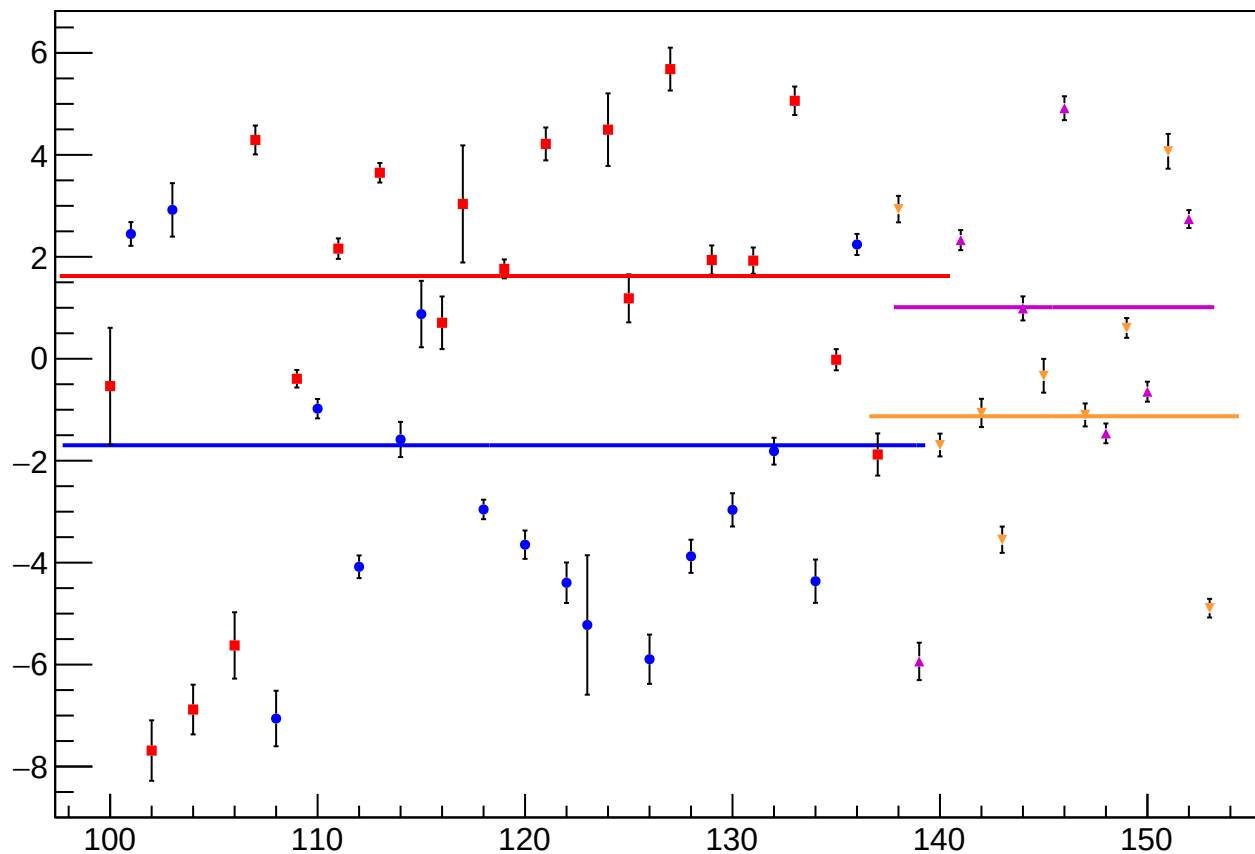
Left In: -24.008+/-0.094 χ^2/NDF : 22653.4/6

13.010+/-0.071 χ^2/NDF : 76014.0/25

0.230+/-0.049 χ^2/NDF : 198404.1/52

-11.381+/-0.068 χ^2/NDF : 61387.3/26

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: -1.128 ± 0.080 χ^2/NDF : 1078.0/8

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

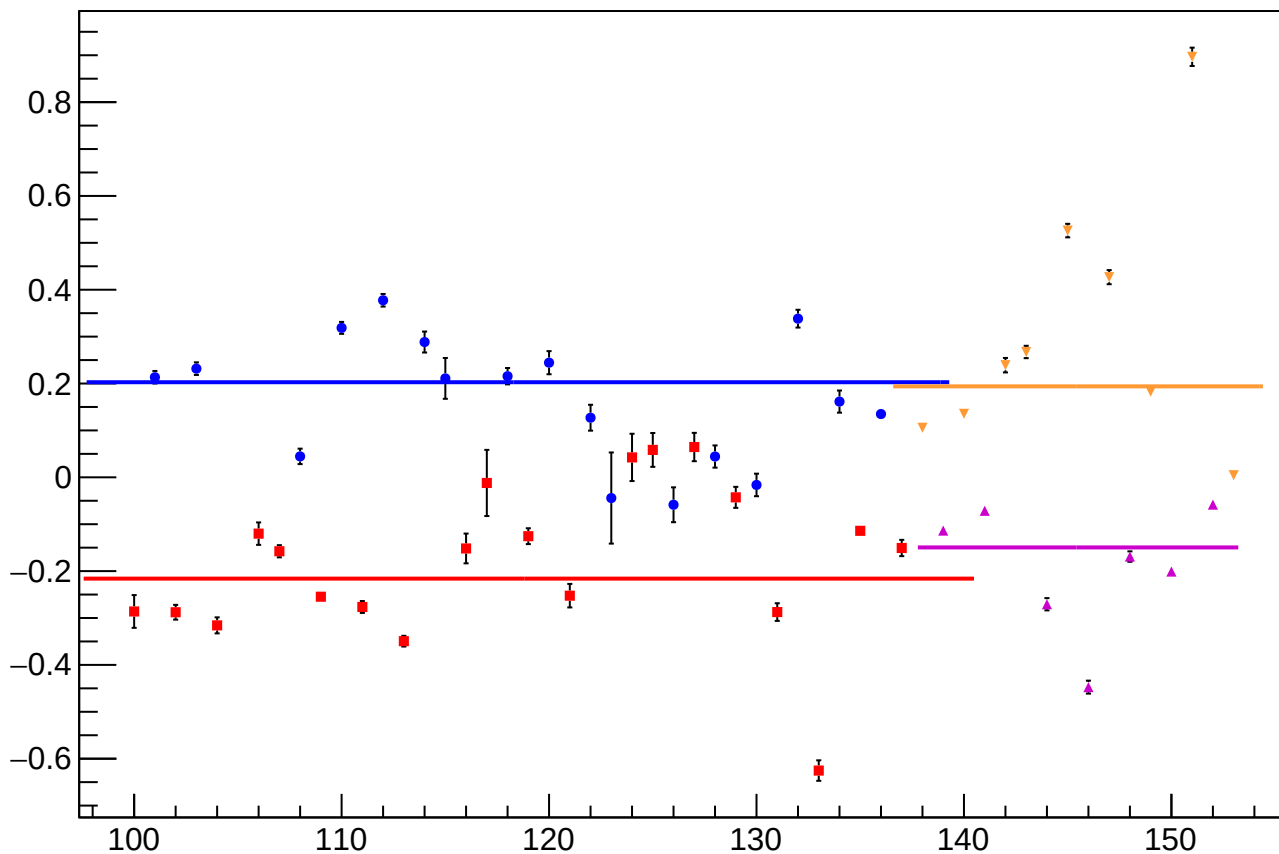
Left In: 1.012 ± 0.080 χ^2/NDF : 1012.0/6

-1.445 ± 0.053 χ^2/NDF : 2425.7/25

0.029 ± 0.037 χ^2/NDF : 6439.3/52

1.379 ± 0.051 χ^2/NDF : 2537.4/26

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: 0.194 ± 0.004 χ^2/NDF : 2849.2/8

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

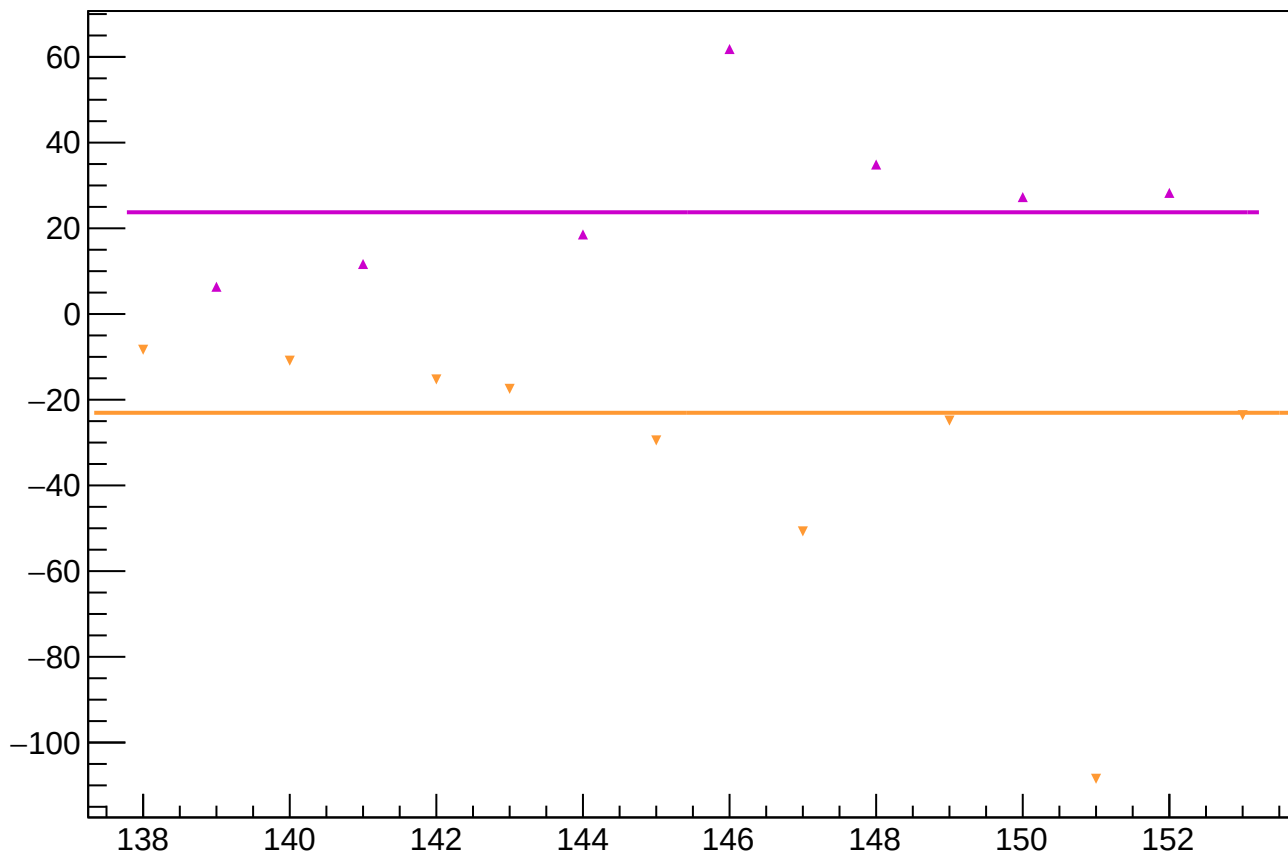
Left In: -0.150 ± 0.004 χ^2/NDF : 809.5/6

0.198 ± 0.003 χ^2/NDF : 3528.2/25

-0.004 ± 0.002 χ^2/NDF : 15526.7/52

-0.183 ± 0.003 χ^2/NDF : 2043.8/26

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: -23.050+/-0.092 χ^2/NDF : 48795.8/8

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

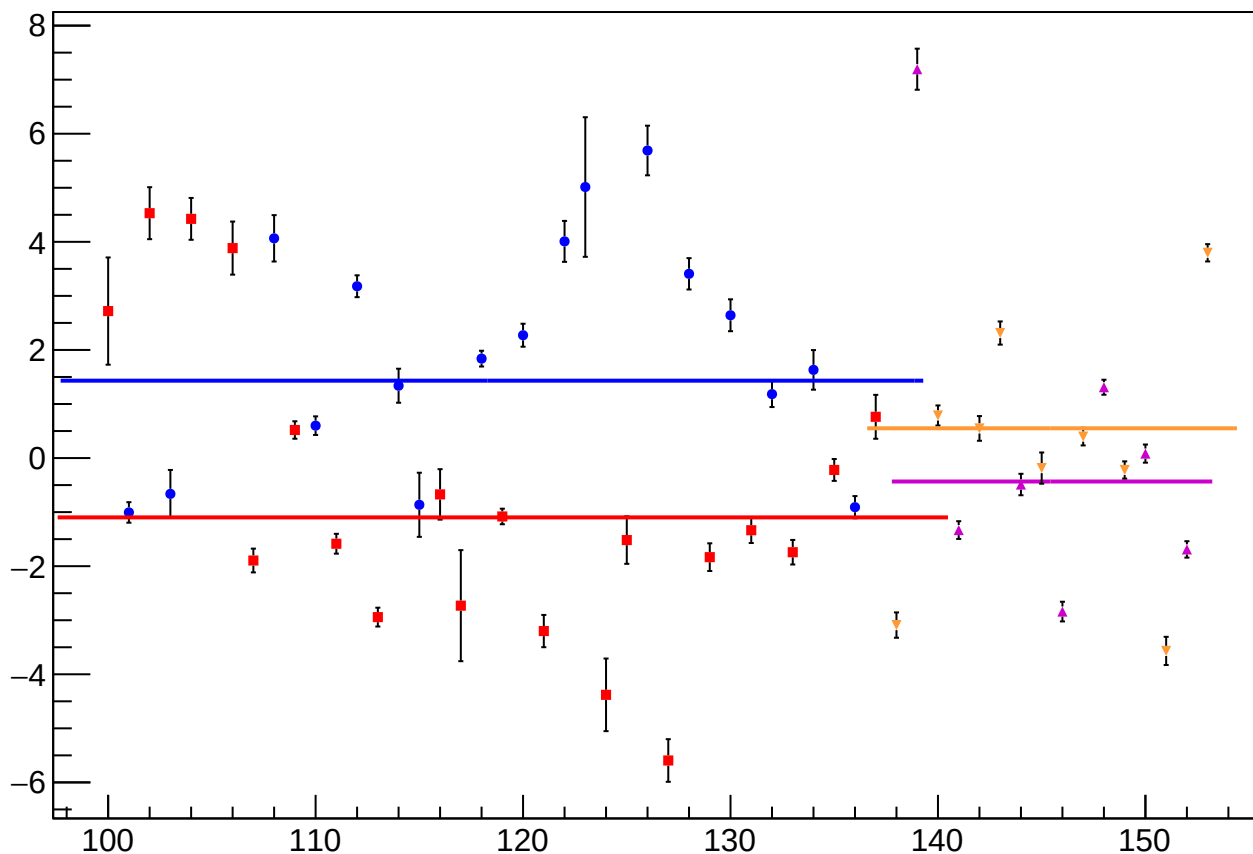
Left In: 23.744+/-0.094 χ^2/NDF : 26998.2/6

-23.050+/-0.092 χ^2/NDF : 48795.8/8

-0.156+/-0.066 χ^2/NDF : 202705.4/15

23.744+/-0.094 χ^2/NDF : 26998.2/6

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: 0.551 ± 0.066 χ^2/NDF : 1001.0/8

Right Out: -1.098 ± 0.058 χ^2/NDF : 955.7/19

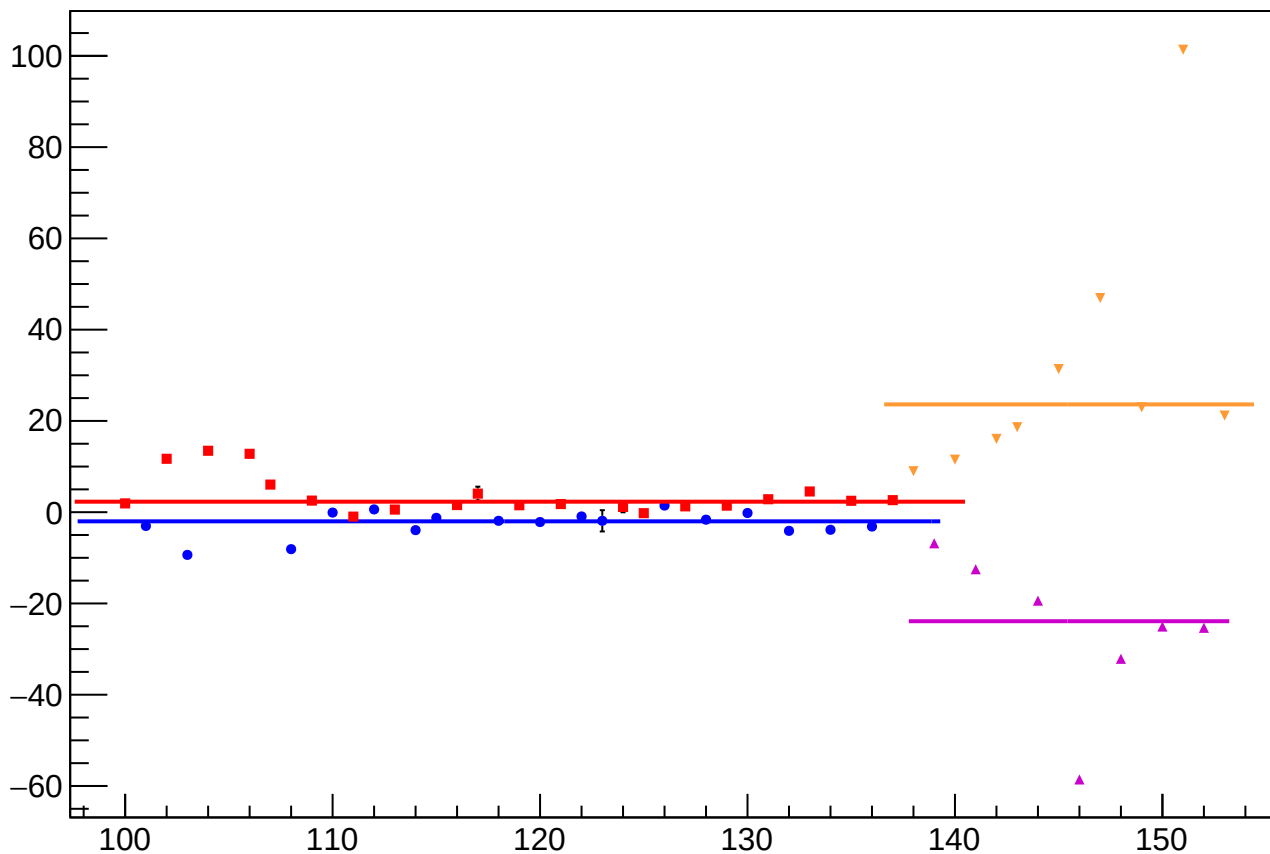
Left In: -0.434 ± 0.066 χ^2/NDF : 843.9/6

1.020 ± 0.045 χ^2/NDF : 1792.9/25

0.073 ± 0.031 χ^2/NDF : 4505.5/52

-0.809 ± 0.043 χ^2/NDF : 1857.1/26

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: 23.618 ± 0.093 χ^2/NDF : 43510.9/8

Right Out: 2.302 ± 0.098 χ^2/NDF : 908.6/19

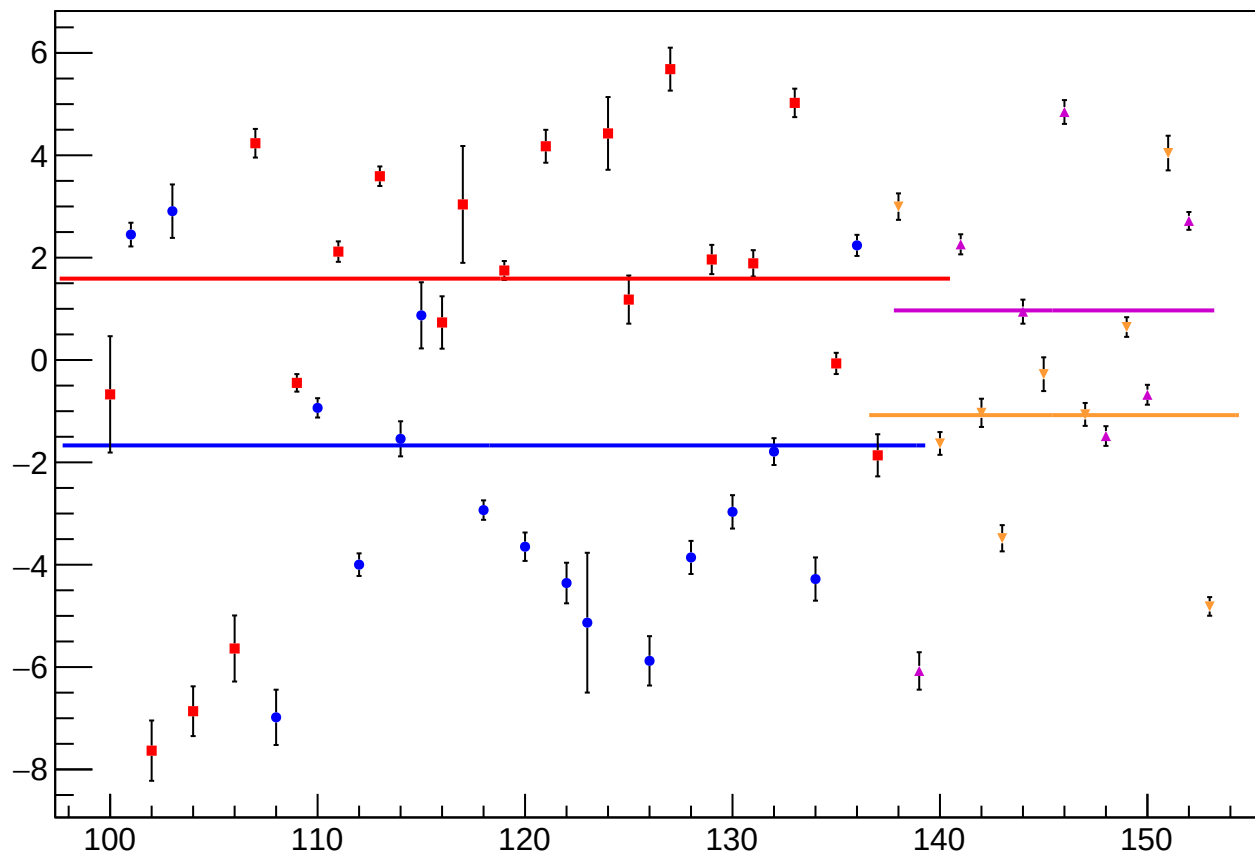
Left In: -23.891 ± 0.094 χ^2/NDF : 22568.1/6

13.055 ± 0.071 χ^2/NDF : 75452.7/25

0.216 ± 0.049 χ^2/NDF : 198451.4/52

-11.441 ± 0.068 χ^2/NDF : 60766.4/26

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: -1.077 ± 0.079 χ^2/NDF : 1078.6/8

Right Out: 1.590 ± 0.065 χ^2/NDF : 1496.3/19

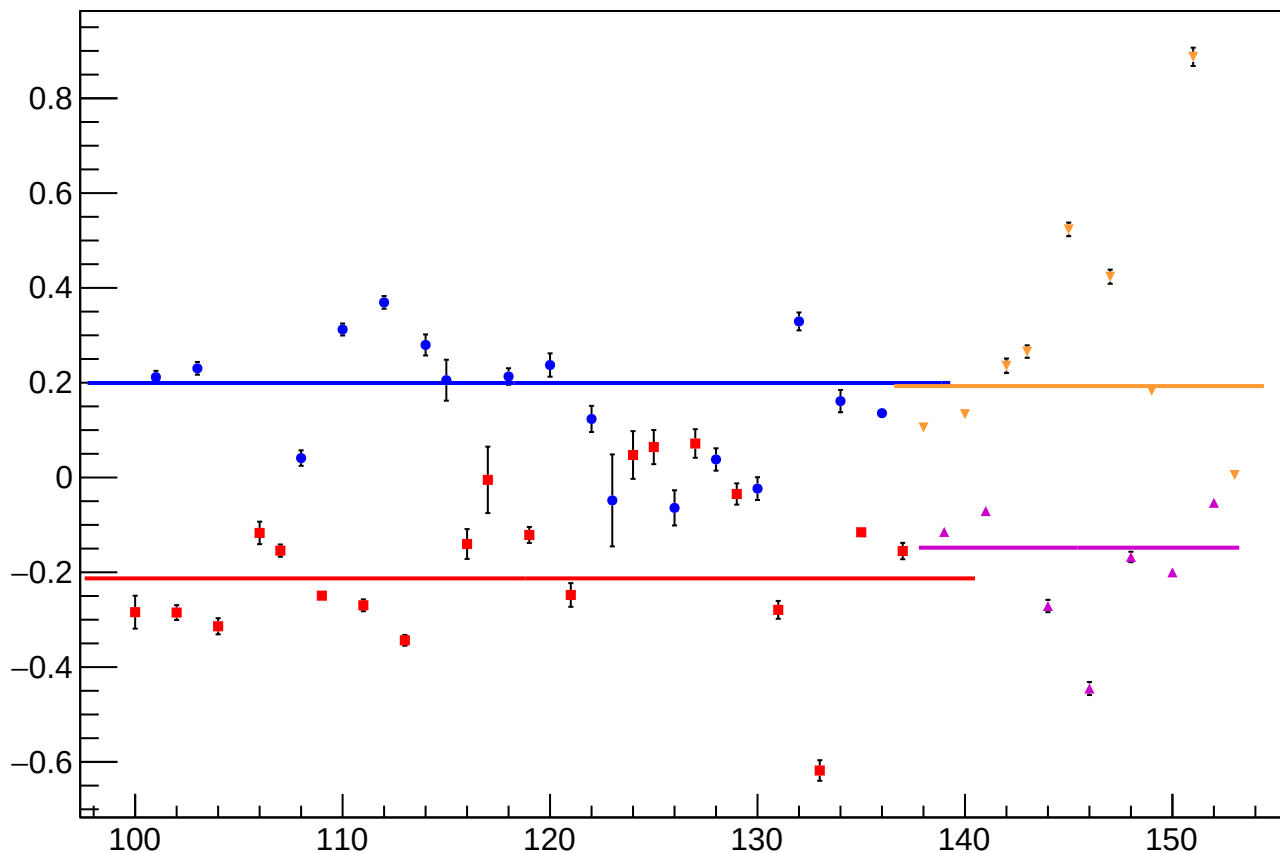
Left In: 0.969 ± 0.080 χ^2/NDF : 1028.2/6

-1.407 ± 0.053 χ^2/NDF : 2424.5/25

0.028 ± 0.037 χ^2/NDF : 6398.2/52

1.342 ± 0.051 χ^2/NDF : 2560.8/26

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: 0.193 ± 0.004 χ^2/NDF : 2839.2/8

Right Out: -0.213 ± 0.004 χ^2/NDF : 1057.0/19

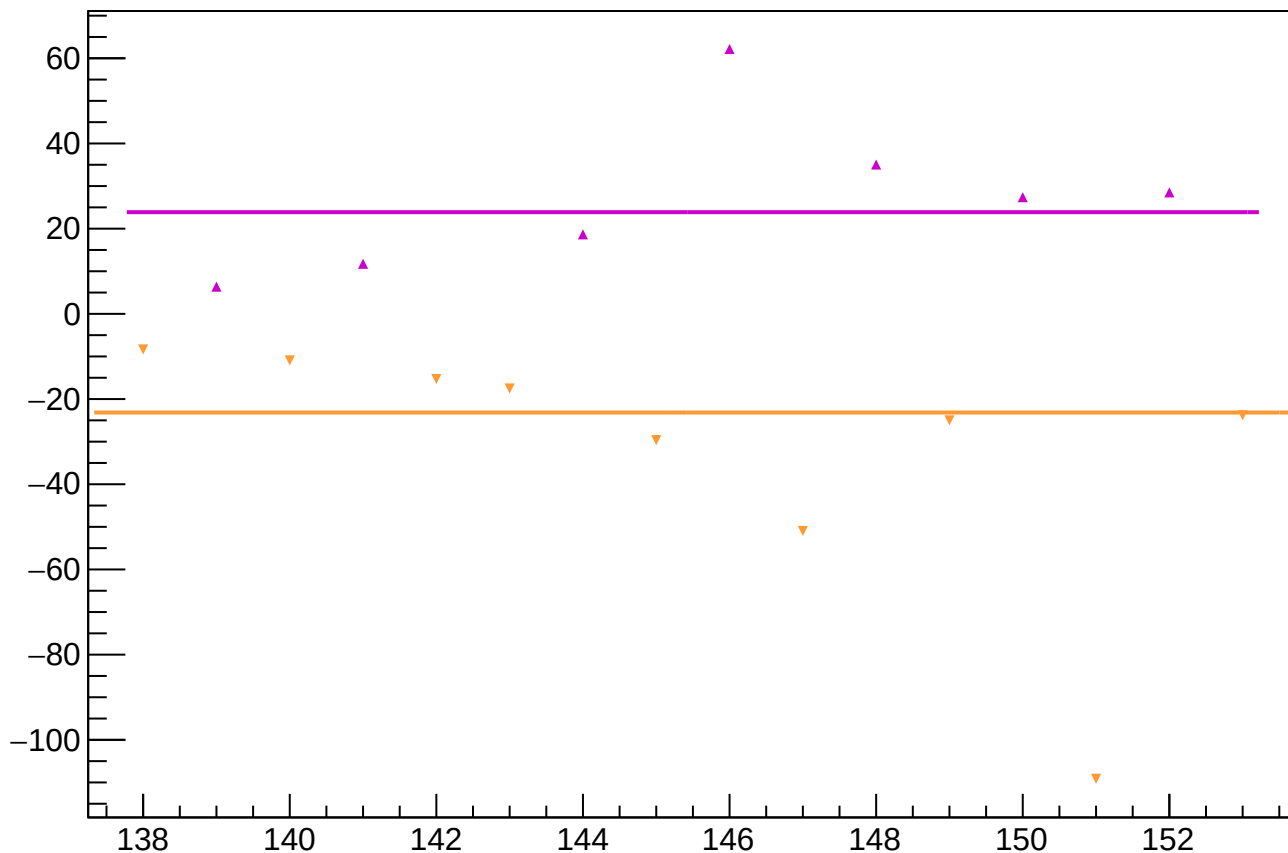
Left In: -0.148 ± 0.004 χ^2/NDF : 829.6/6

0.196 ± 0.003 χ^2/NDF : 3502.7/25

-0.004 ± 0.002 χ^2/NDF : 15376.7/52

-0.181 ± 0.003 χ^2/NDF : 2041.6/26

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: -23.163+/-0.092 χ^2/NDF : 48898.4/8

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

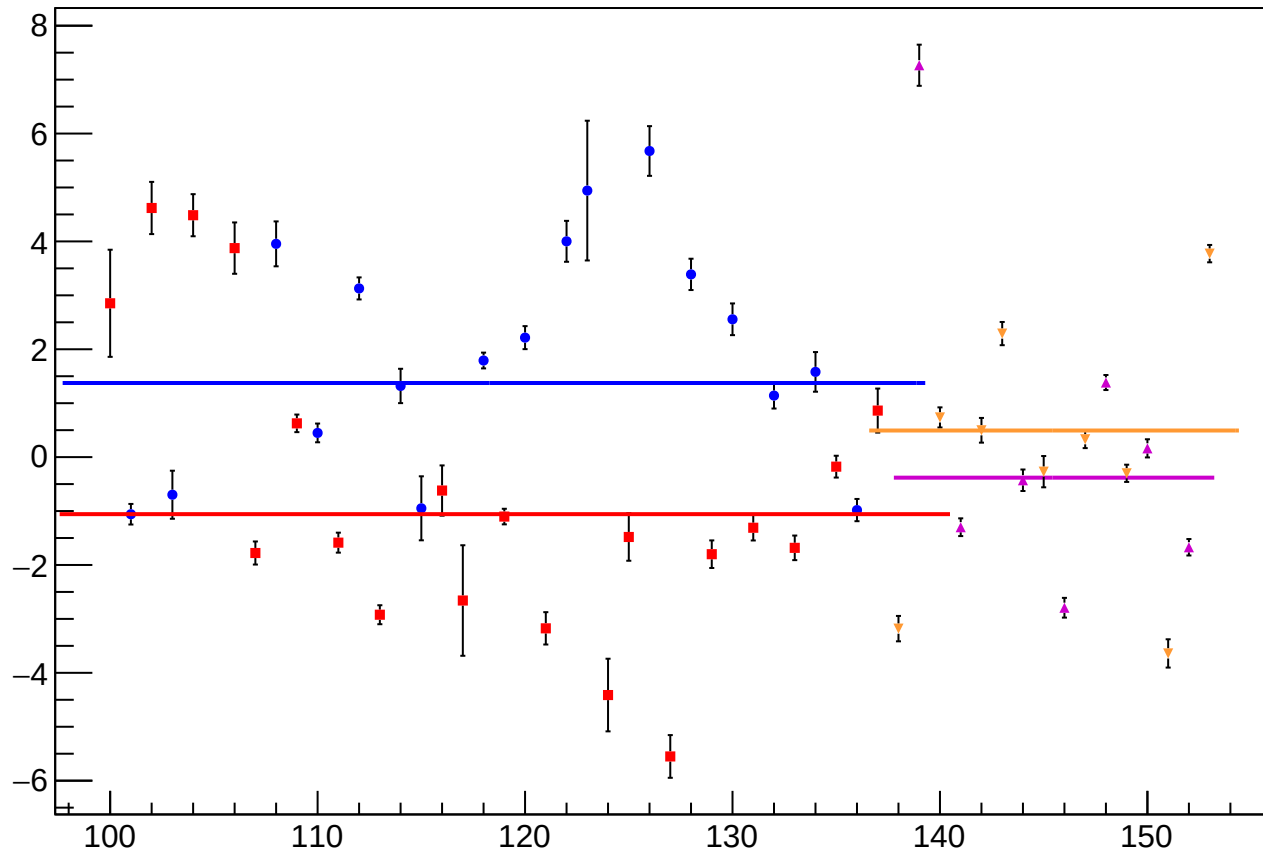
Left In: 23.871+/-0.094 χ^2/NDF : 27052.7/6

-23.163+/-0.092 χ^2/NDF : 48898.4/8

-0.154+/-0.066 χ^2/NDF : 203033.1/15

23.871+/-0.094 χ^2/NDF : 27052.7/6

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 0.493 ± 0.066 $\chi^2/\text{NDF}: 1010.6/8$

Right Out: -1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

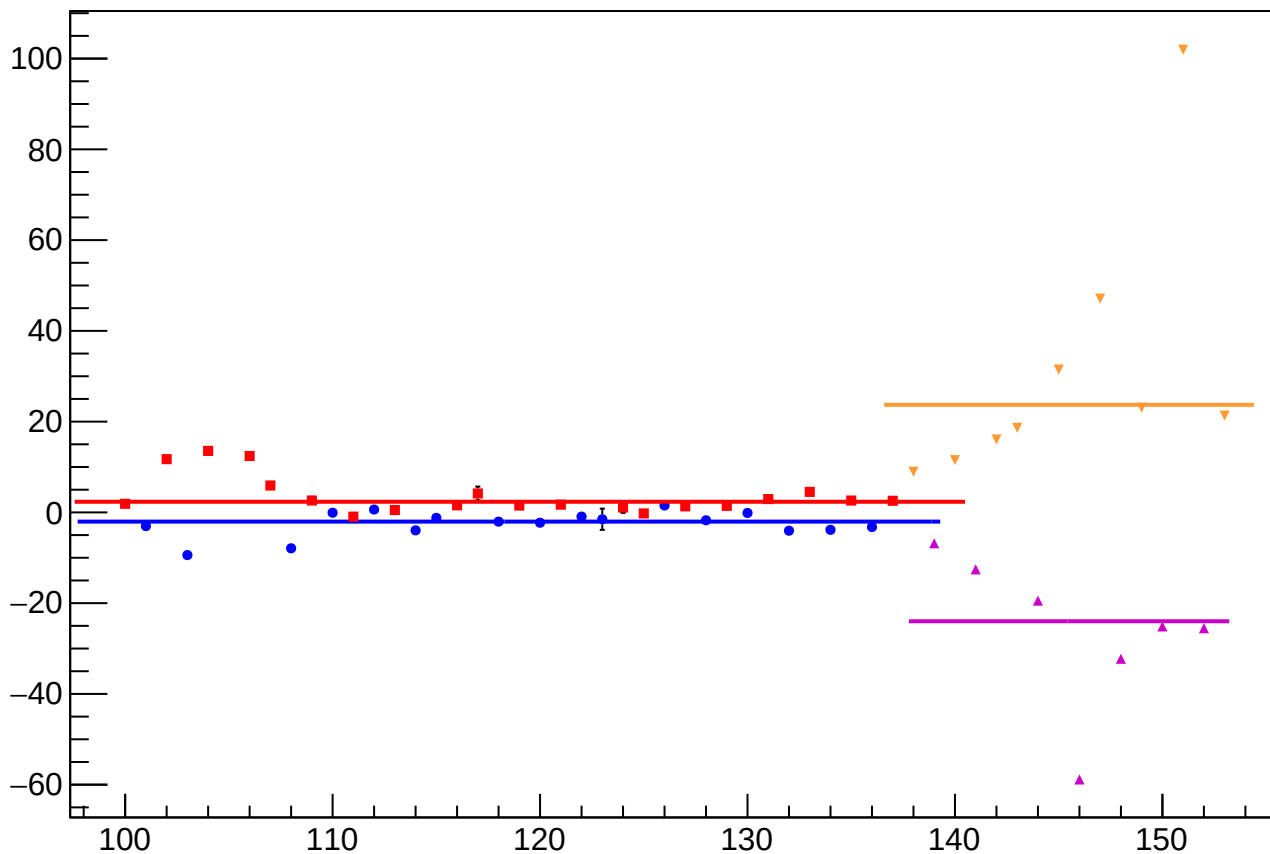
Left In: -0.381 ± 0.066 $\chi^2/\text{NDF}: 849.0/6$

0.963 ± 0.045 $\chi^2/\text{NDF}: 1807.6/25$

0.067 ± 0.031 $\chi^2/\text{NDF}: 4439.0/52$

-0.764 ± 0.044 $\chi^2/\text{NDF}: 1874.7/26$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 23.702 ± 0.093 χ^2/NDF : 43601.2/8

Right Out: 2.344 ± 0.099 χ^2/NDF : 903.4/19

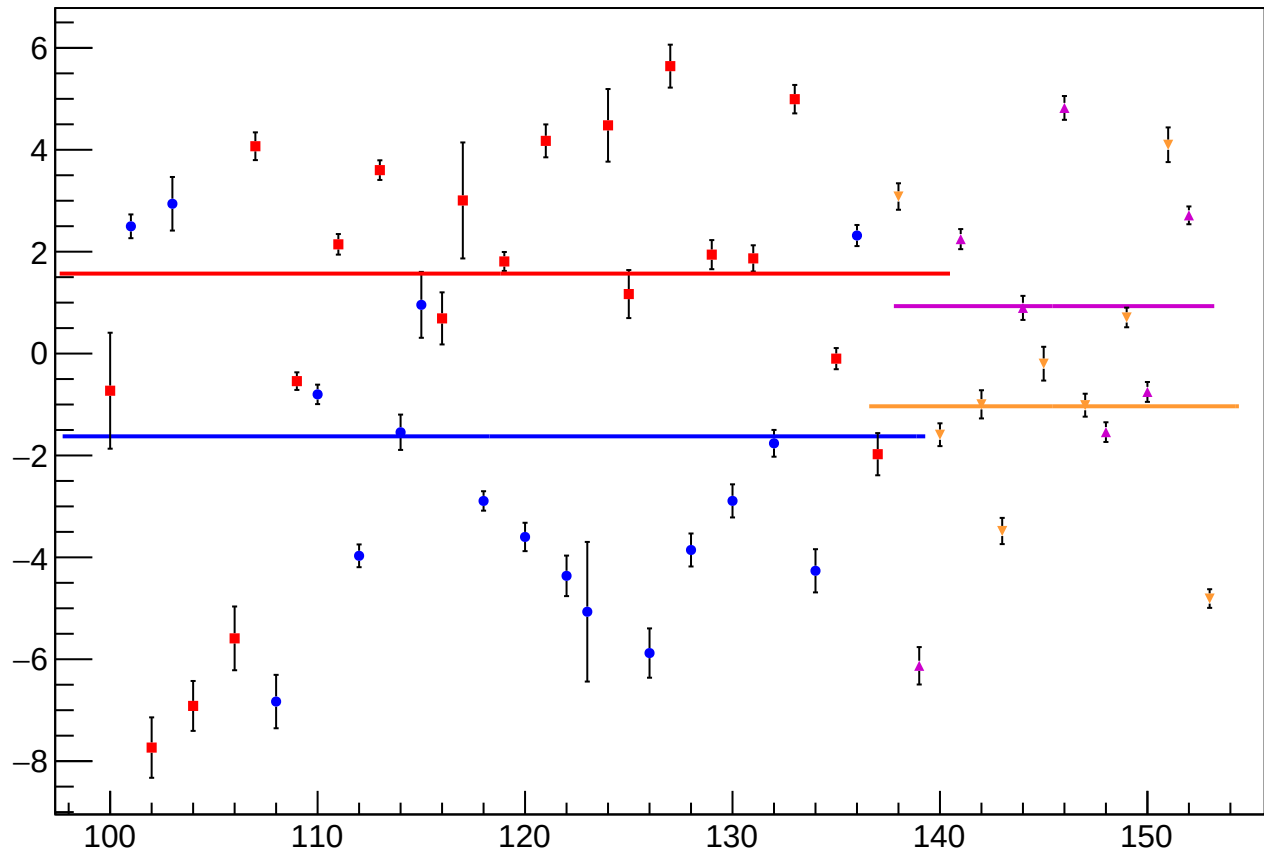
Left In: -23.987 ± 0.094 χ^2/NDF : 22614.3/6

13.105 ± 0.071 χ^2/NDF : 75503.3/25

0.221 ± 0.049 χ^2/NDF : 198422.5/52

-11.476 ± 0.068 χ^2/NDF : 60846.4/26

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: -1.035 ± 0.080 χ^2/NDF : 1088.5/8

Right Out: 1.570 ± 0.065 χ^2/NDF : 1507.4/19

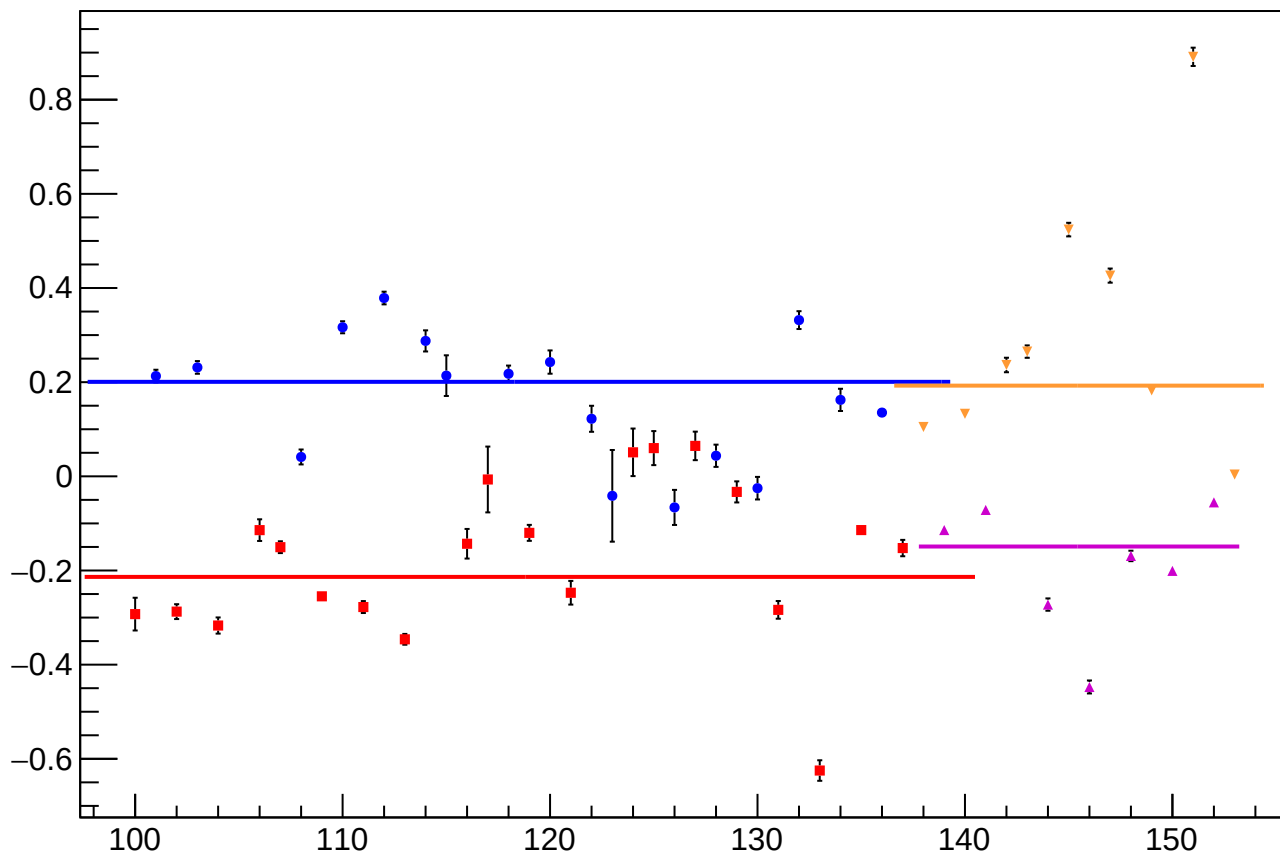
Left In: 0.931 ± 0.080 χ^2/NDF : 1033.3/6

-1.363 ± 0.053 χ^2/NDF : 2439.8/25

0.036 ± 0.037 χ^2/NDF : 6348.5/52

1.315 ± 0.051 χ^2/NDF : 2578.6/26

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: 0.193 ± 0.004 χ^2/NDF : 2841.7/8

Right Out: -0.214 ± 0.004 χ^2/NDF : 1089.2/19

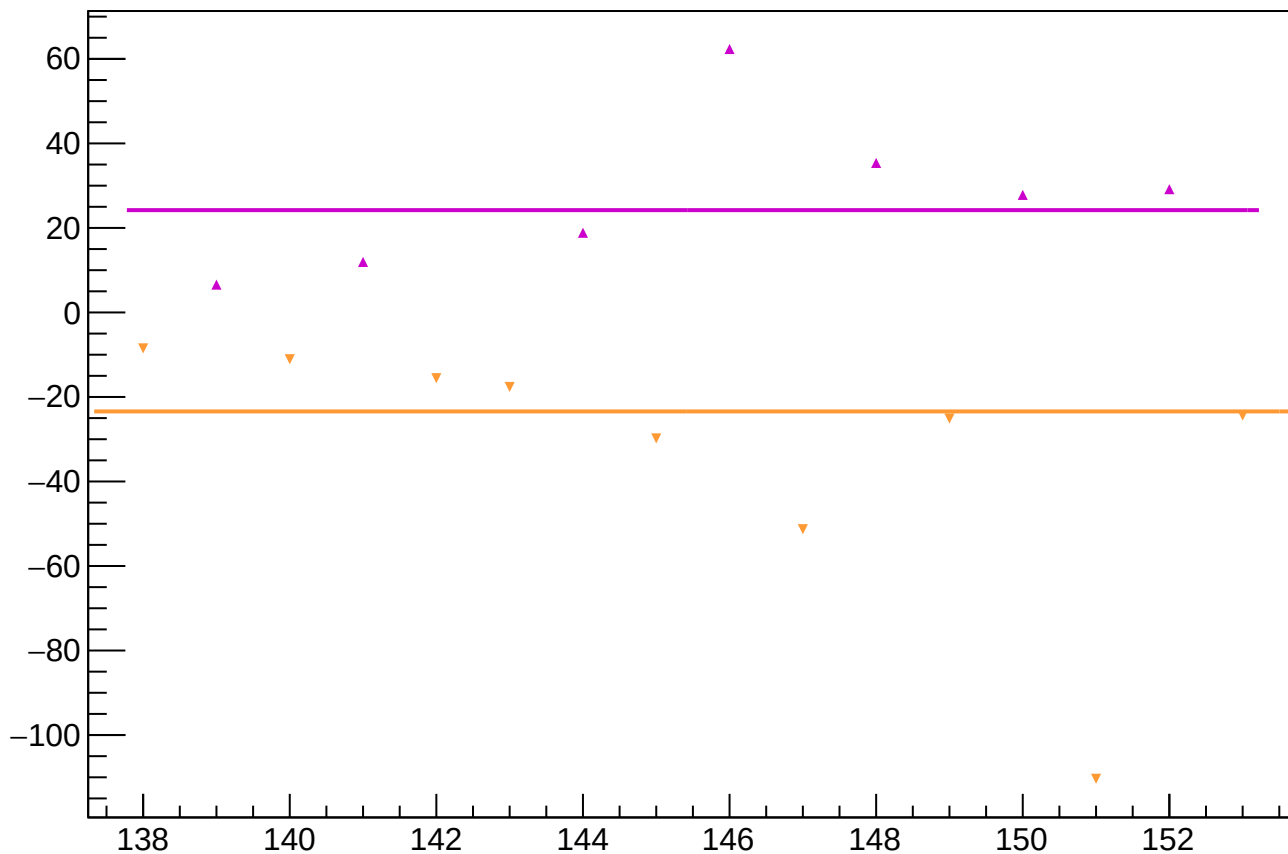
Left In: -0.149 ± 0.004 χ^2/NDF : 824.8/6

0.196 ± 0.003 χ^2/NDF : 3534.4/25

-0.004 ± 0.002 χ^2/NDF : 15435.2/52

-0.181 ± 0.003 χ^2/NDF : 2066.7/26

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: -23.421+/-0.093 χ^2/NDF : 48792.2/8

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

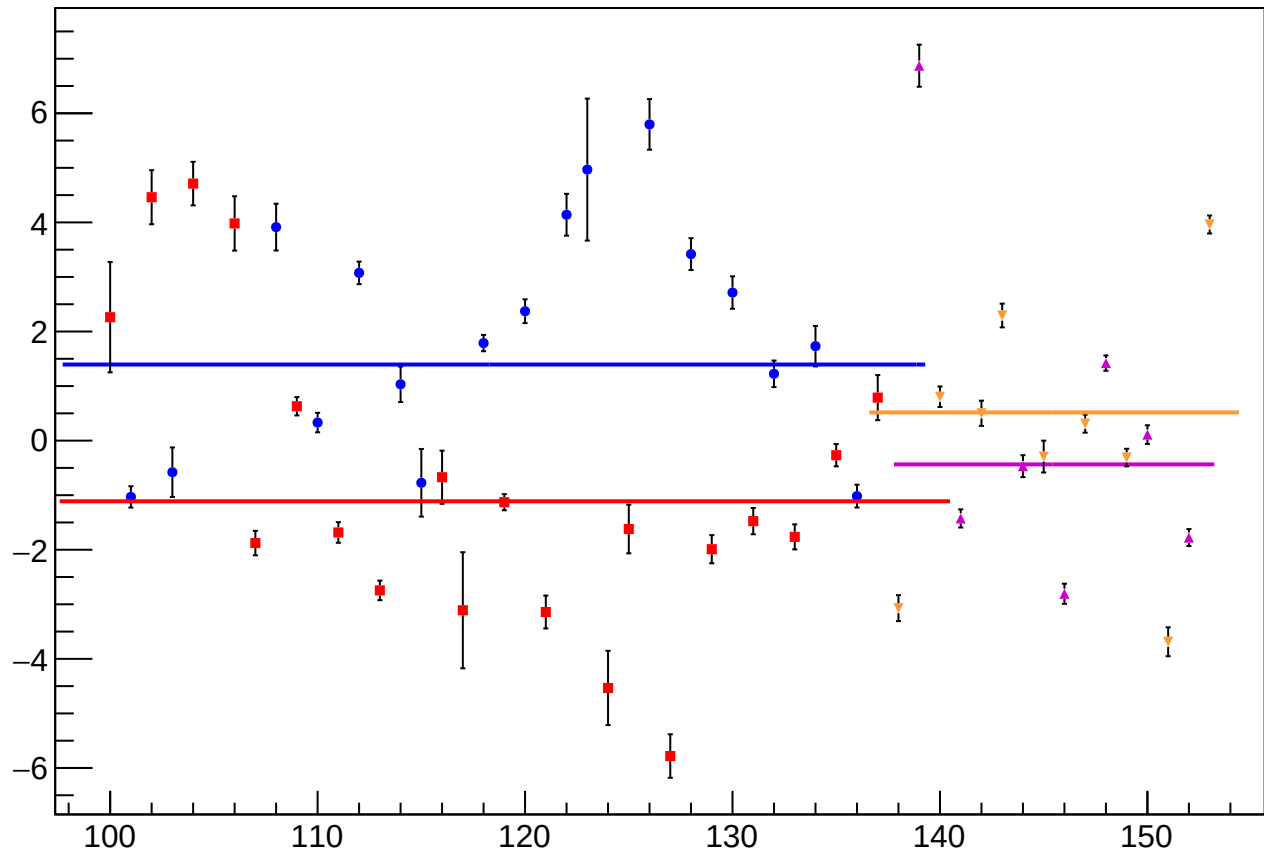
Left In: 24.210+/-0.095 χ^2/NDF : 26720.8/6

-23.421+/-0.093 χ^2/NDF : 48792.2/8

-0.149+/-0.067 χ^2/NDF : 202761.6/15

24.210+/-0.095 χ^2/NDF : 26720.8/6

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 $\pm$ 0.063 χ^2/NDF : 701.4/16

Left Out: 0.517 $\pm$ 0.067 χ^2/NDF :1020.8/8

Right Out: -1.112 $\pm$ 0.059 χ^2/NDF : 940.5/19

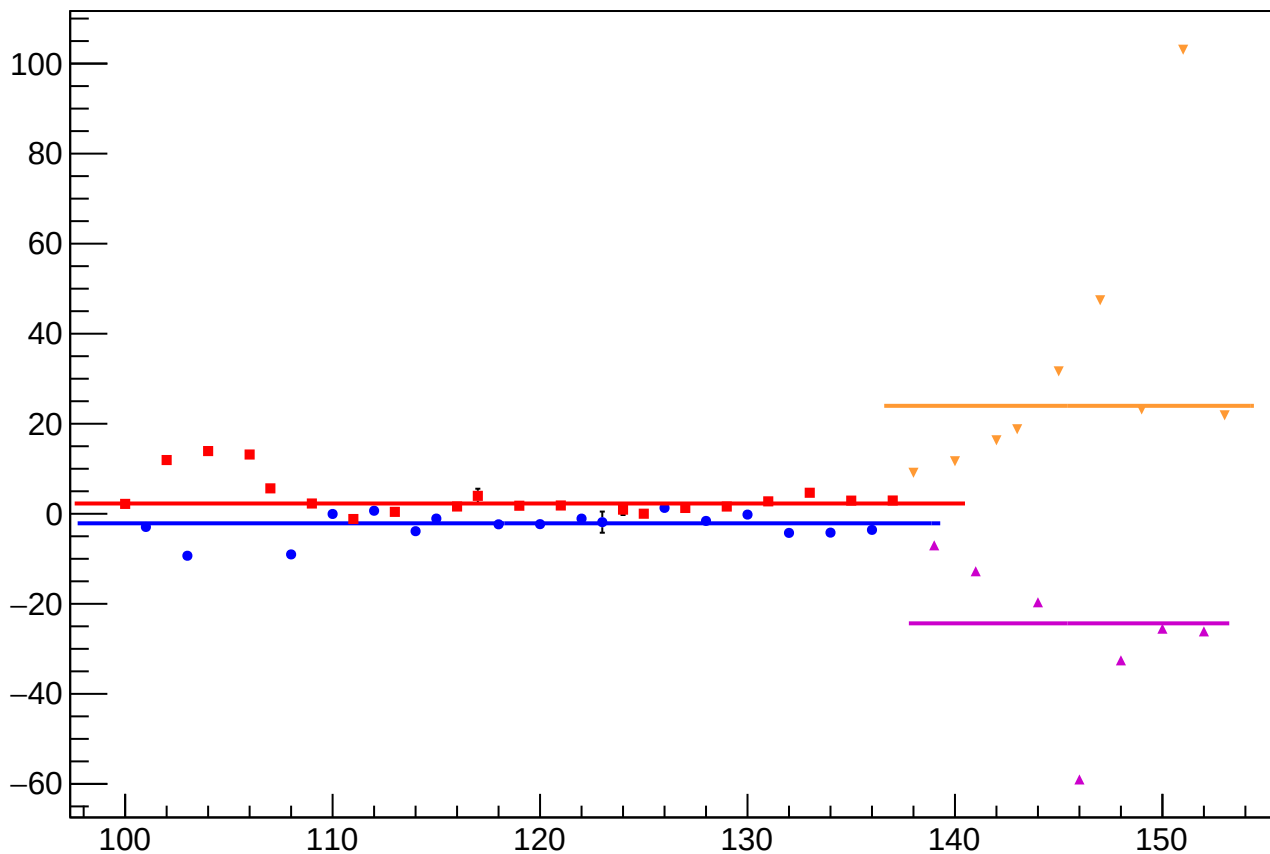
Left In: -0.436 $\pm$ 0.067 χ^2/NDF :818.6/6

0.982 $\pm$ 0.046 χ^2/NDF : 1813.4/25

0.052 $\pm$ 0.032 χ^2/NDF : 4423.6/52

-0.816 $\pm$ 0.044 χ^2/NDF : 1816.4/26

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 $\pm$ 0.113 χ^2/NDF : 486.3/16

Left Out: 23.979 $\pm$ 0.094 χ^2/NDF : 43473.0/8

Right Out: 2.284 $\pm$ 0.101 χ^2/NDF : 920.6/19

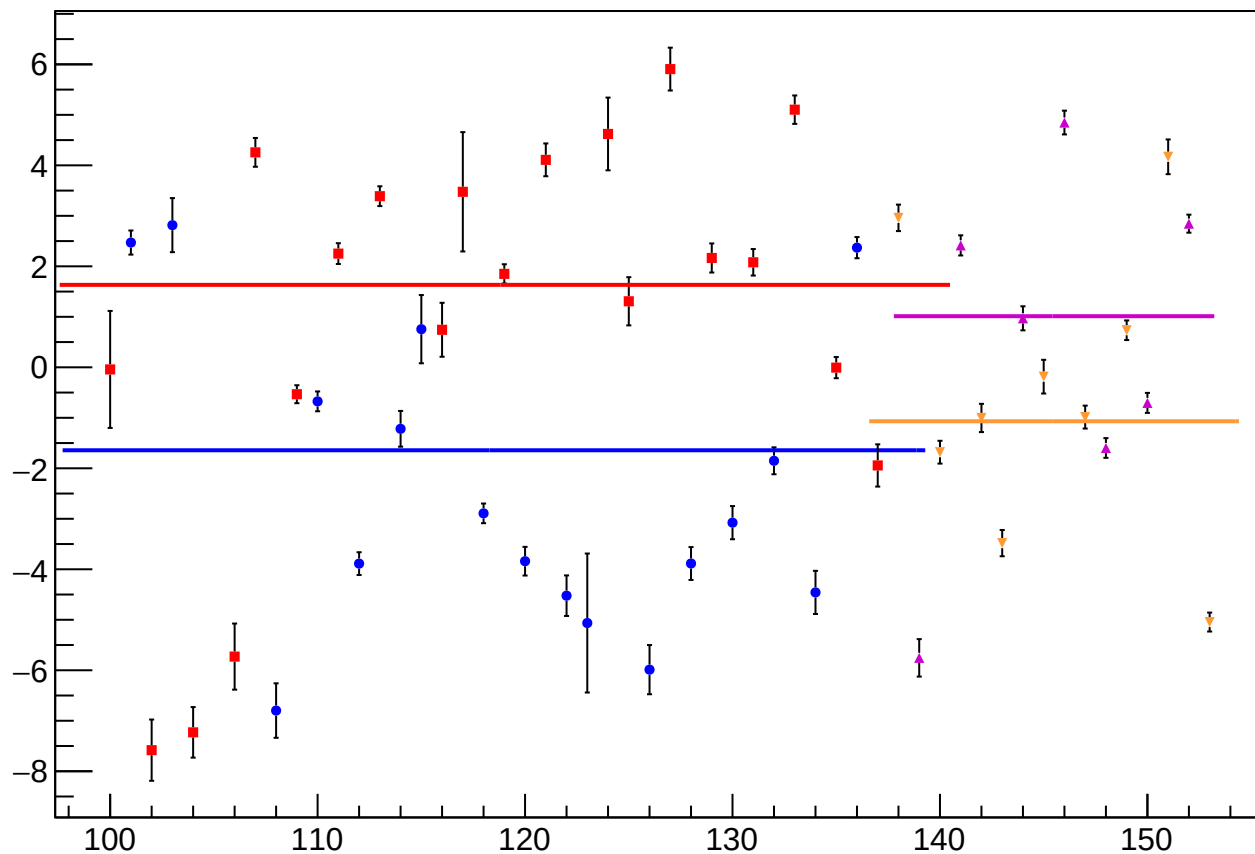
Left In: -24.338 $\pm$ 0.095 χ^2/NDF : 22274.2/6

13.307 $\pm$ 0.072 χ^2/NDF : 75322.5/25

0.180 $\pm$ 0.050 χ^2/NDF : 198174.9/52

-11.798 $\pm$ 0.069 χ^2/NDF : 60067.2/26

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: -1.069±/0.081 χ^2/NDF : 1105.0/8

Right Out: 1.633±/0.067 χ^2/NDF : 1470.6/19

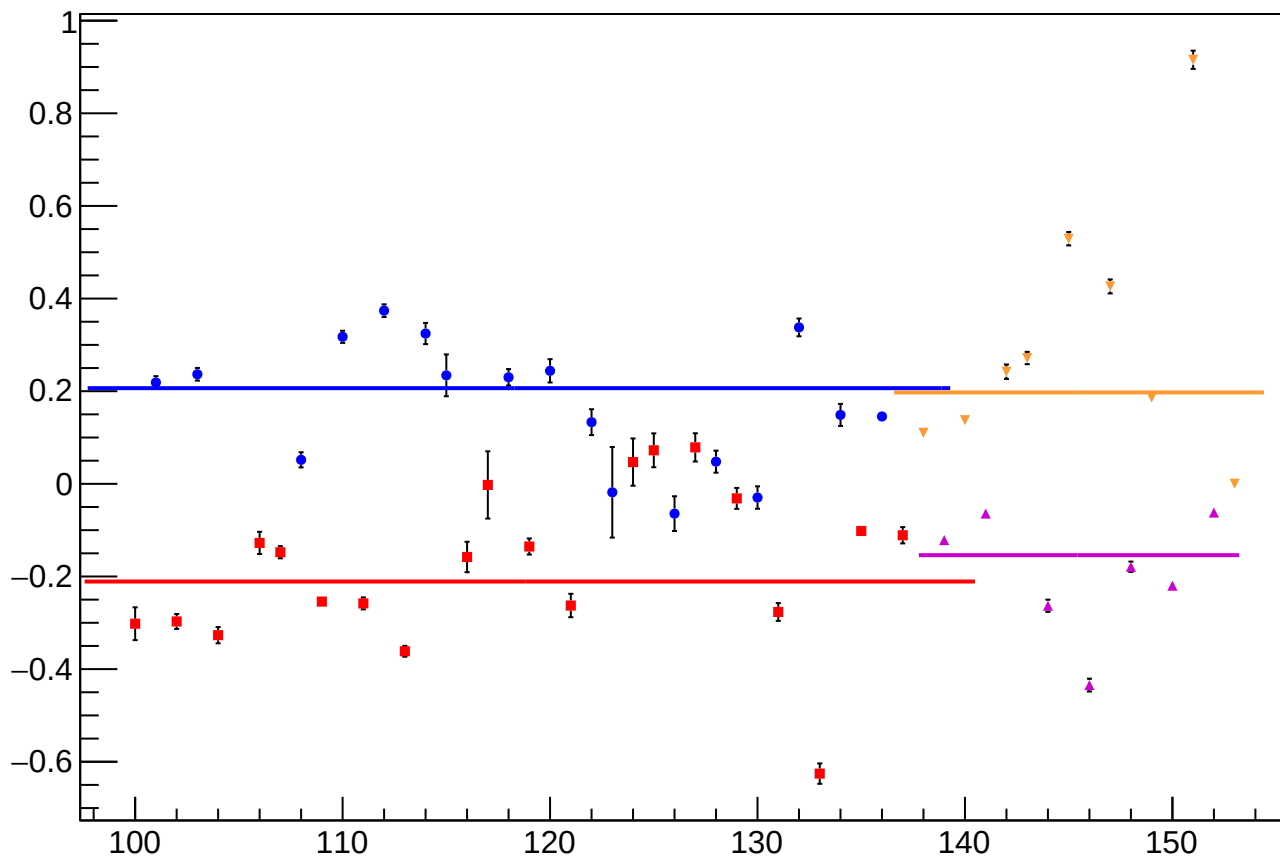
Left In: 1.012±/0.081 χ^2/NDF : 1006.7/6

-1.387±/0.054 χ^2/NDF : 2443.1/25

0.057±/0.037 χ^2/NDF : 6333.0/52

1.383±/0.052 χ^2/NDF : 2512.1/26

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: 0.197 ± 0.004 χ^2/NDF : 2887.1/8

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

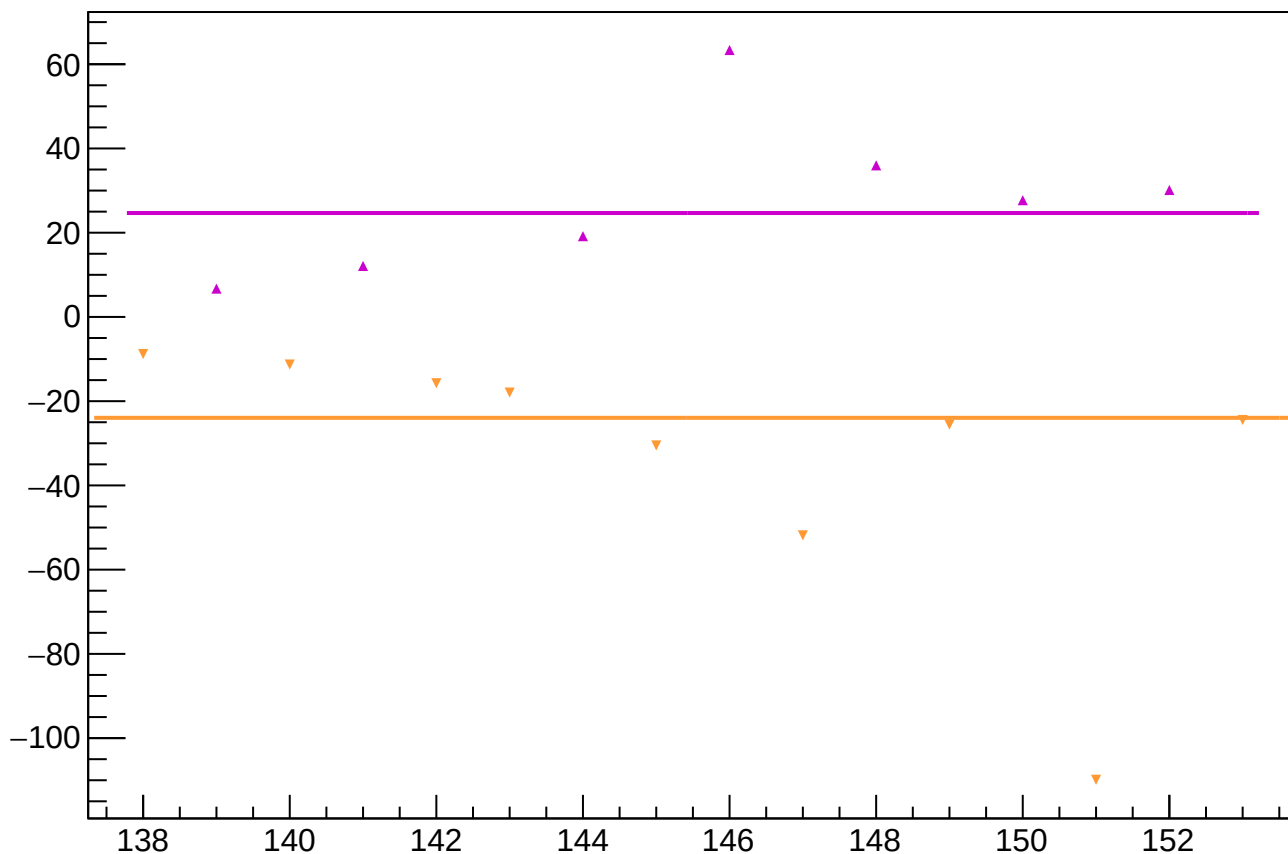
Left In: -0.154 ± 0.004 χ^2/NDF : 767.5/6

0.201 ± 0.003 χ^2/NDF : 3544.8/25

-0.002 ± 0.002 χ^2/NDF : 15418.2/52

-0.182 ± 0.003 χ^2/NDF : 2036.4/26

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: -23.953+/-0.095 χ^2/NDF : 48090.3/8

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

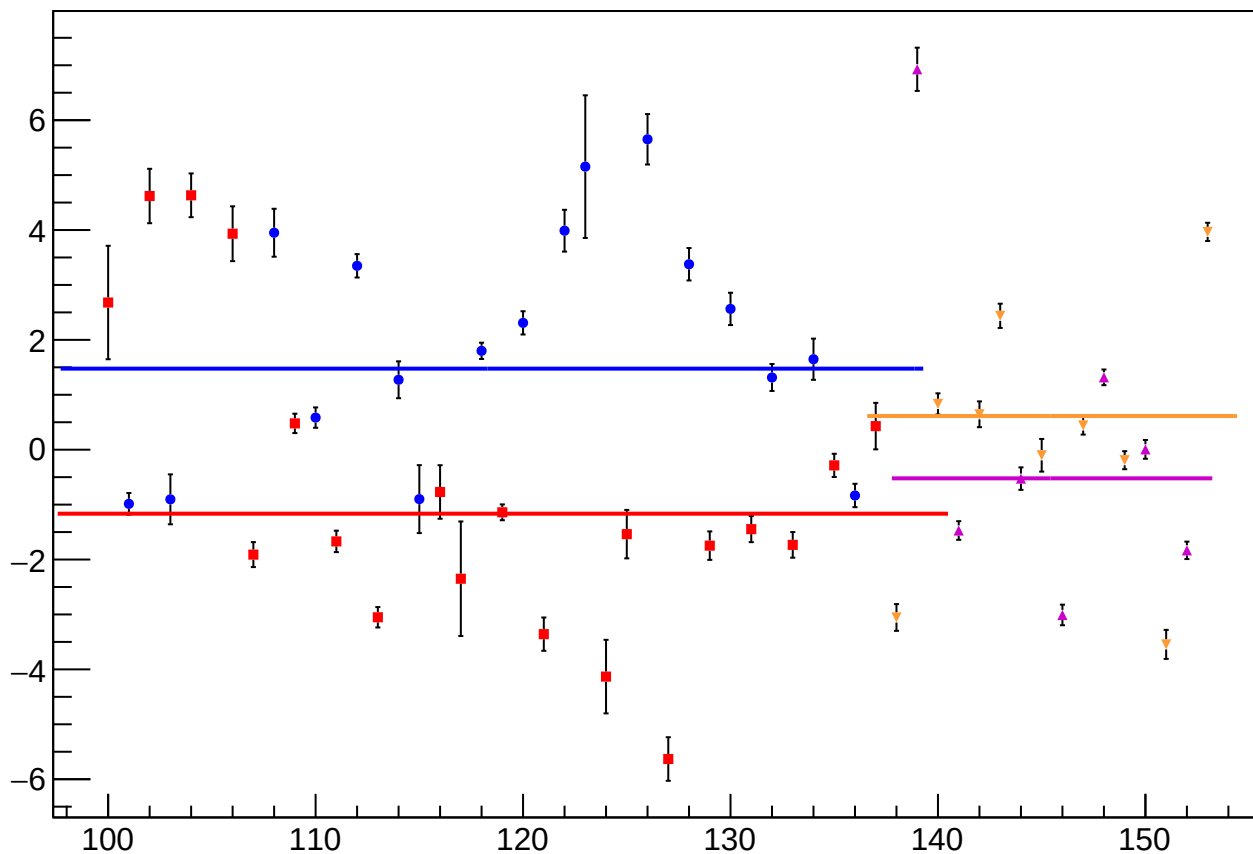
Left In: 24.670+/-0.097 χ^2/NDF : 26706.8/6

-23.953+/-0.095 χ^2/NDF : 48090.3/8

-0.161+/-0.068 χ^2/NDF : 203099.6/15

24.670+/-0.097 χ^2/NDF : 26706.8/6

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: 0.613 ± 0.068 χ^2/NDF : 982.2/8

Right Out: -1.165 ± 0.060 χ^2/NDF : 919.2/19

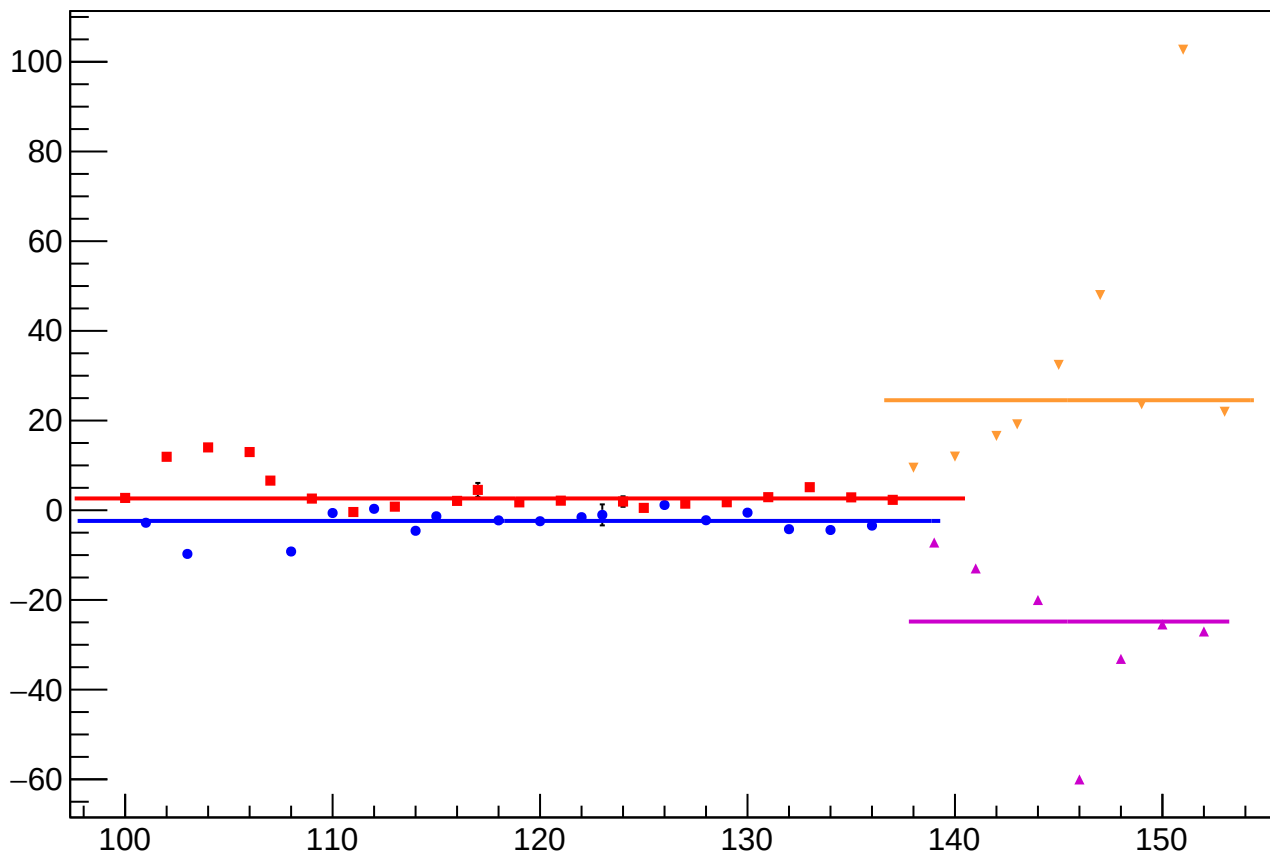
Left In: -0.522 ± 0.068 χ^2/NDF : 809.0/6

1.072 ± 0.046 χ^2/NDF : 1727.9/25

0.062 ± 0.032 χ^2/NDF : 4424.2/52

-0.884 ± 0.045 χ^2/NDF : 1778.6/26

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 24.534 ± 0.096 $\chi^2/\text{NDF}: 42828.0/8$

Right Out: 2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

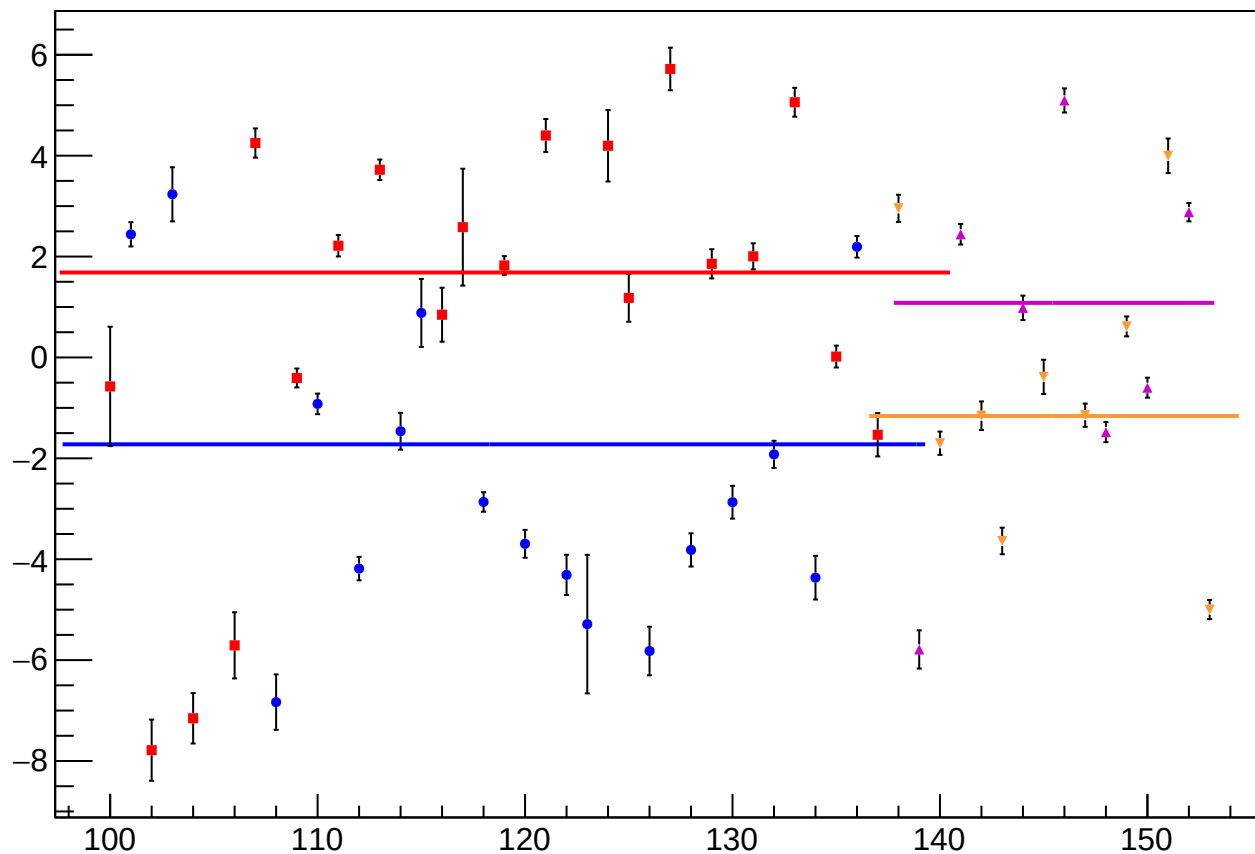
Left In: -24.821 ± 0.097 $\chi^2/\text{NDF}: 22245.1/6$

13.511 ± 0.074 $\chi^2/\text{NDF}: 75590.0/25$

0.214 ± 0.051 $\chi^2/\text{NDF}: 198986.4/52$

-11.974 ± 0.070 $\chi^2/\text{NDF}: 60861.1/26$

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: -1.160 ± 0.082 $\chi^2/\text{NDF}: 1052.8/8$

Right Out: 1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

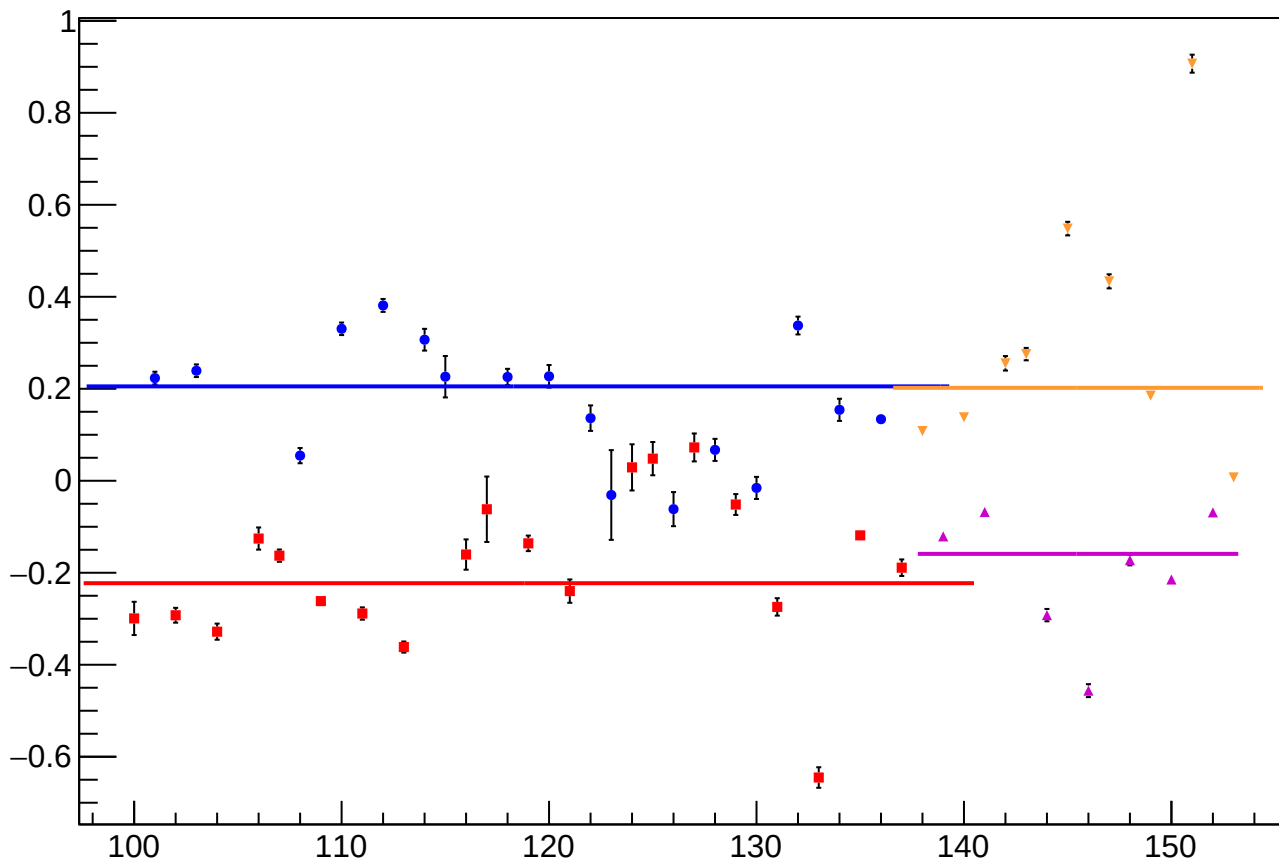
Left In: 1.082 ± 0.083 $\chi^2/\text{NDF}: 991.8/6$

-1.473 ± 0.055 $\chi^2/\text{NDF}: 2326.6/25$

0.043 ± 0.038 $\chi^2/\text{NDF}: 6266.1/52$

1.441 ± 0.052 $\chi^2/\text{NDF}: 2455.2/26$

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: 0.202 ± 0.004 χ^2/NDF : 2867.1/8

Right Out: -0.223 ± 0.004 χ^2/NDF : 1045.6/19

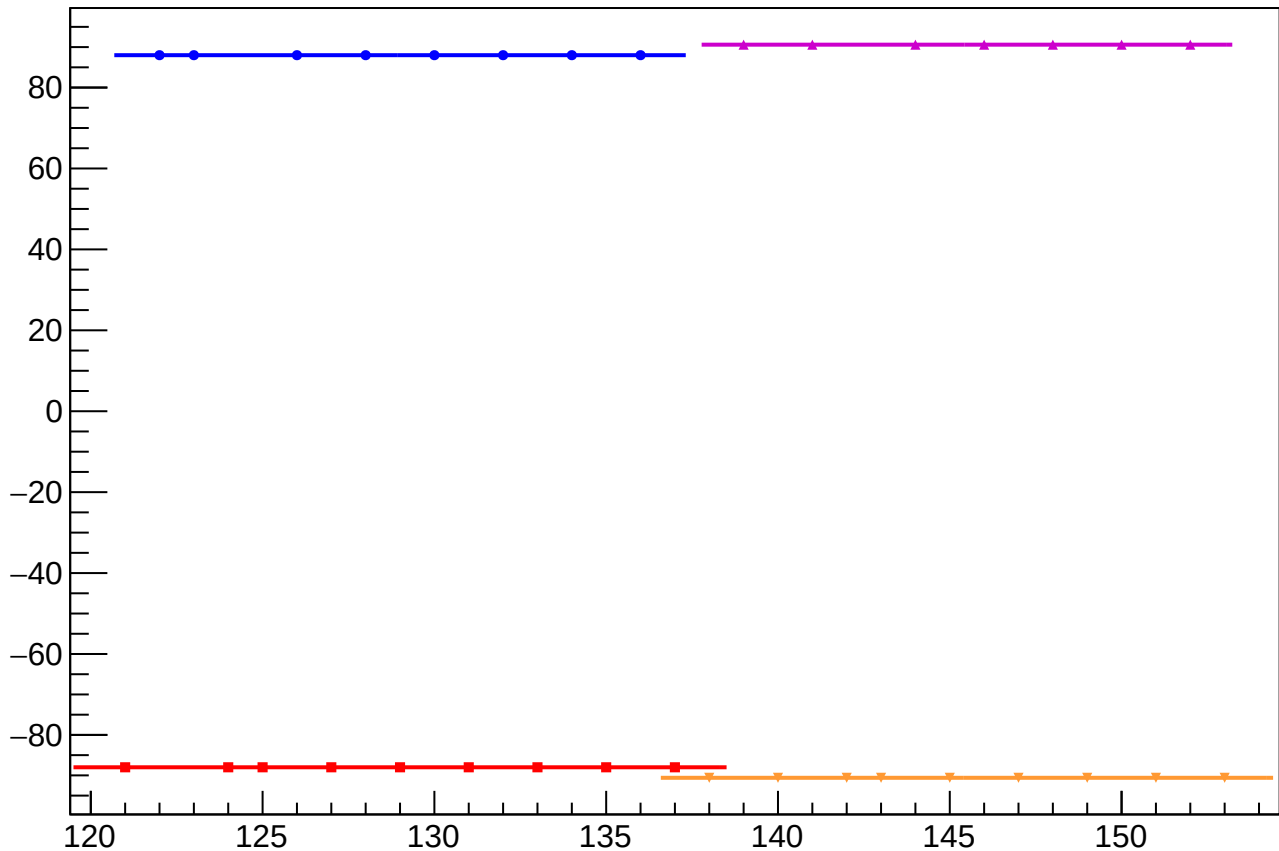
Left In: -0.159 ± 0.004 χ^2/NDF : 810.3/6

0.203 ± 0.003 χ^2/NDF : 3518.1/25

-0.005 ± 0.002 χ^2/NDF : 15544.5/52

-0.191 ± 0.003 χ^2/NDF : 1994.9/26

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: 3329119.2/8

Right Out: -88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

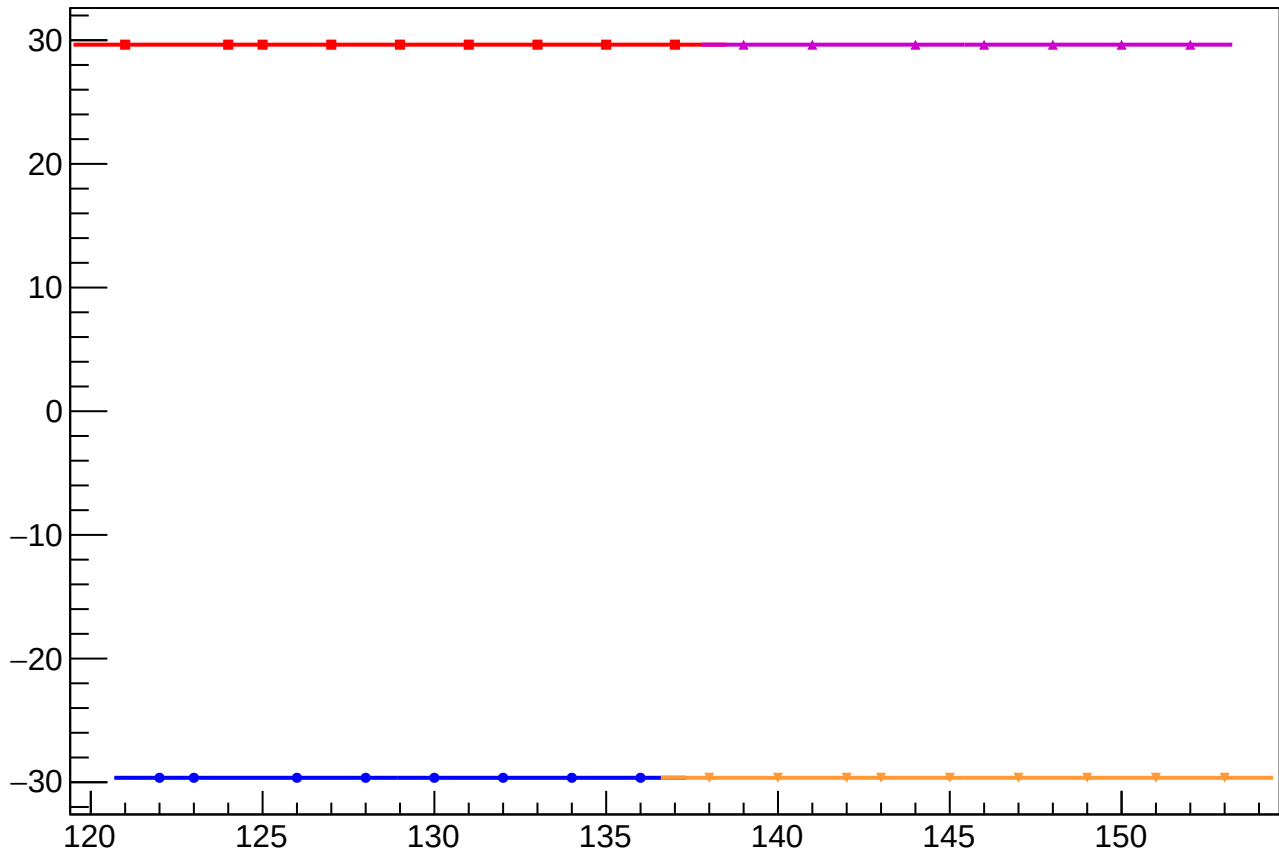
Left In: 90.599 $\pm$ 0.000 χ^2 /NDF: 498408.6/6

-30.716 $\pm$ 0.000 χ^2 /NDF: 72513444832941104

-2.938 $\pm$ 0.000 χ^2 /NDF: 15534848542918

28.128 $\pm$ 0.000 χ^2 /NDF: 66162734641666558

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 : 173549.4/8

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

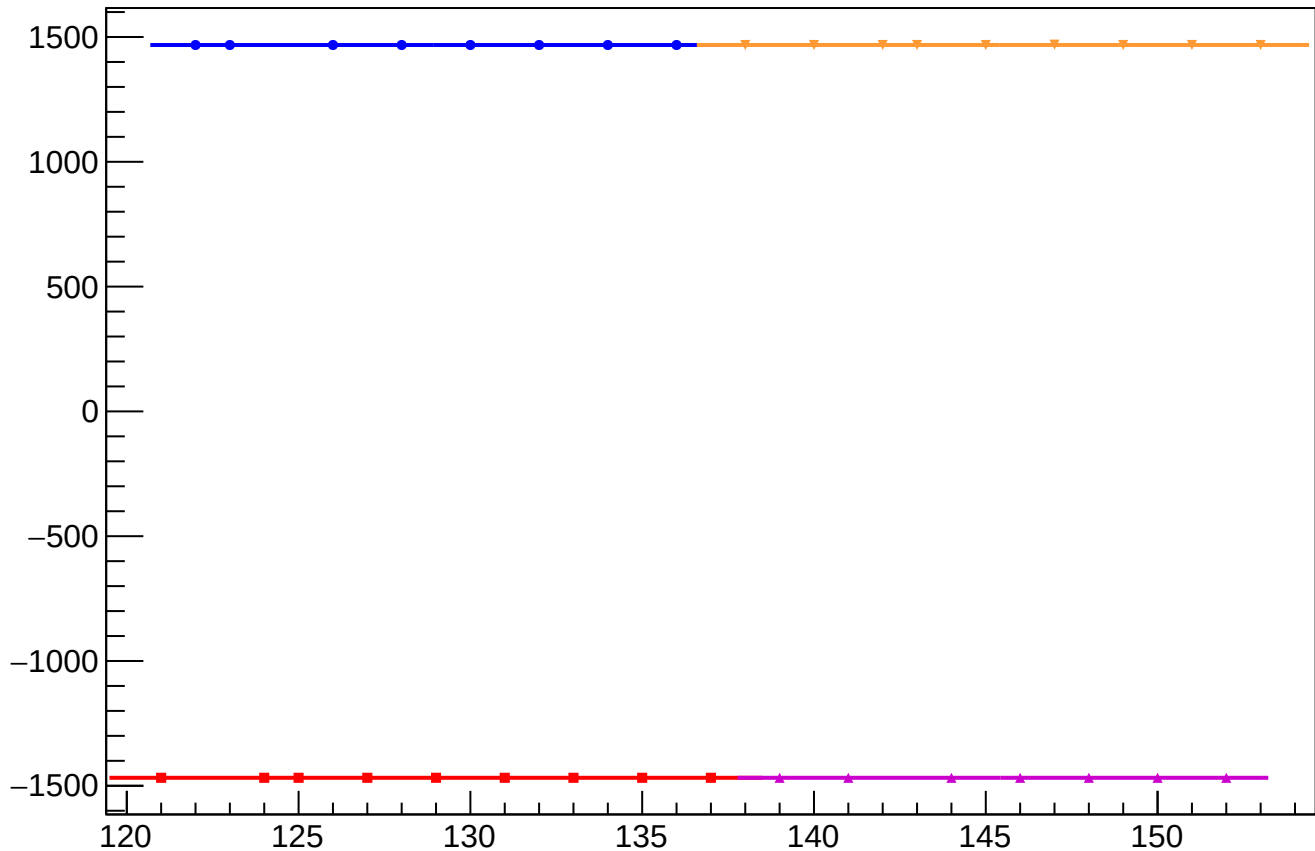
Left In: 29.641+/-0.000 χ^2/NDF : 16799.6/6

-29.641+/-0.000 χ^2/NDF : 961892.8/16

-1.657+/-0.000 χ^2/NDF : 1692095546852

29.641+/-0.000 χ^2/NDF : 1240707.8/15

psub_pl_pos_mean vs Slug, Sign Corrected



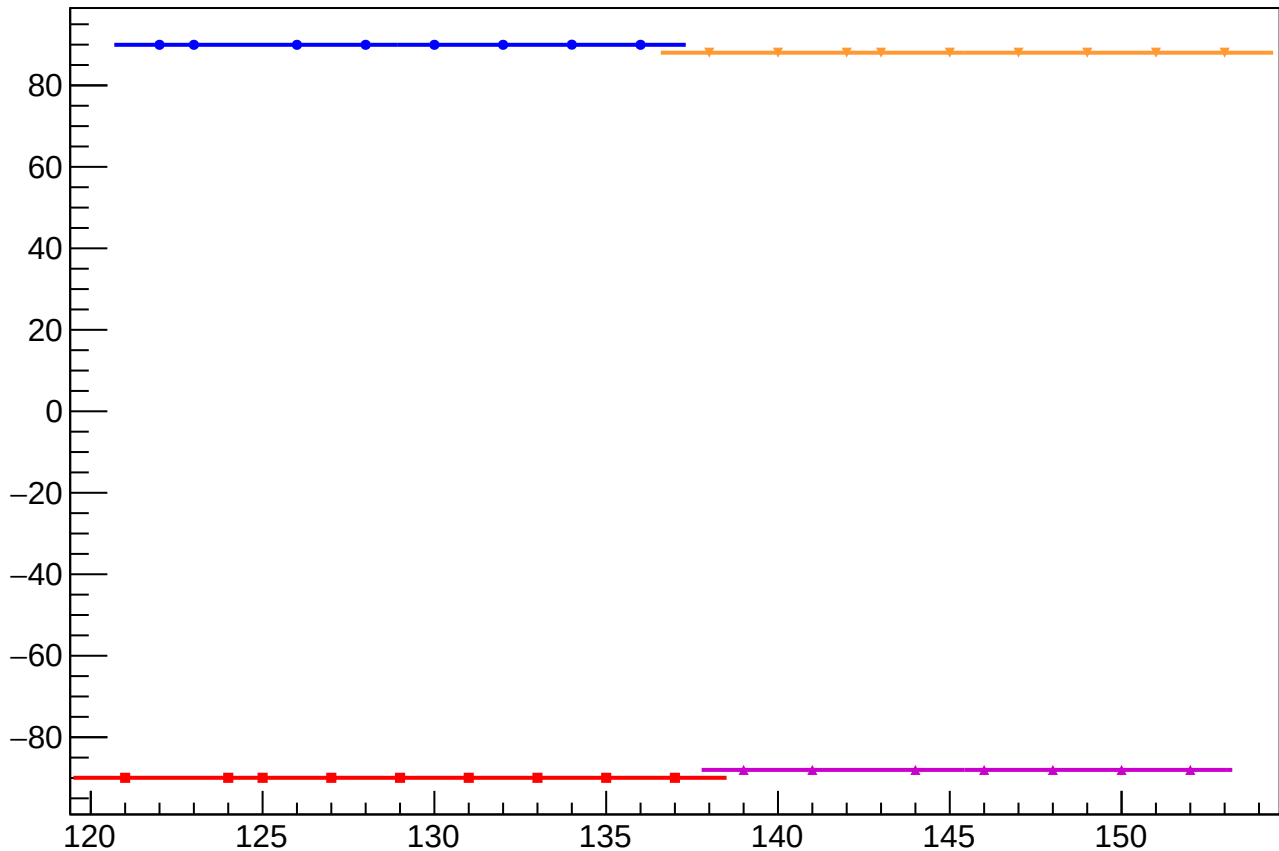
Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.136+/-0.000 χ^2/NDF : 119739923012315356179308465881088.0/8

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: -1467.982+/-0.000 χ^2/NDF : 29694435066747196615031783424.0/6

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 : 2892506.8/8

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

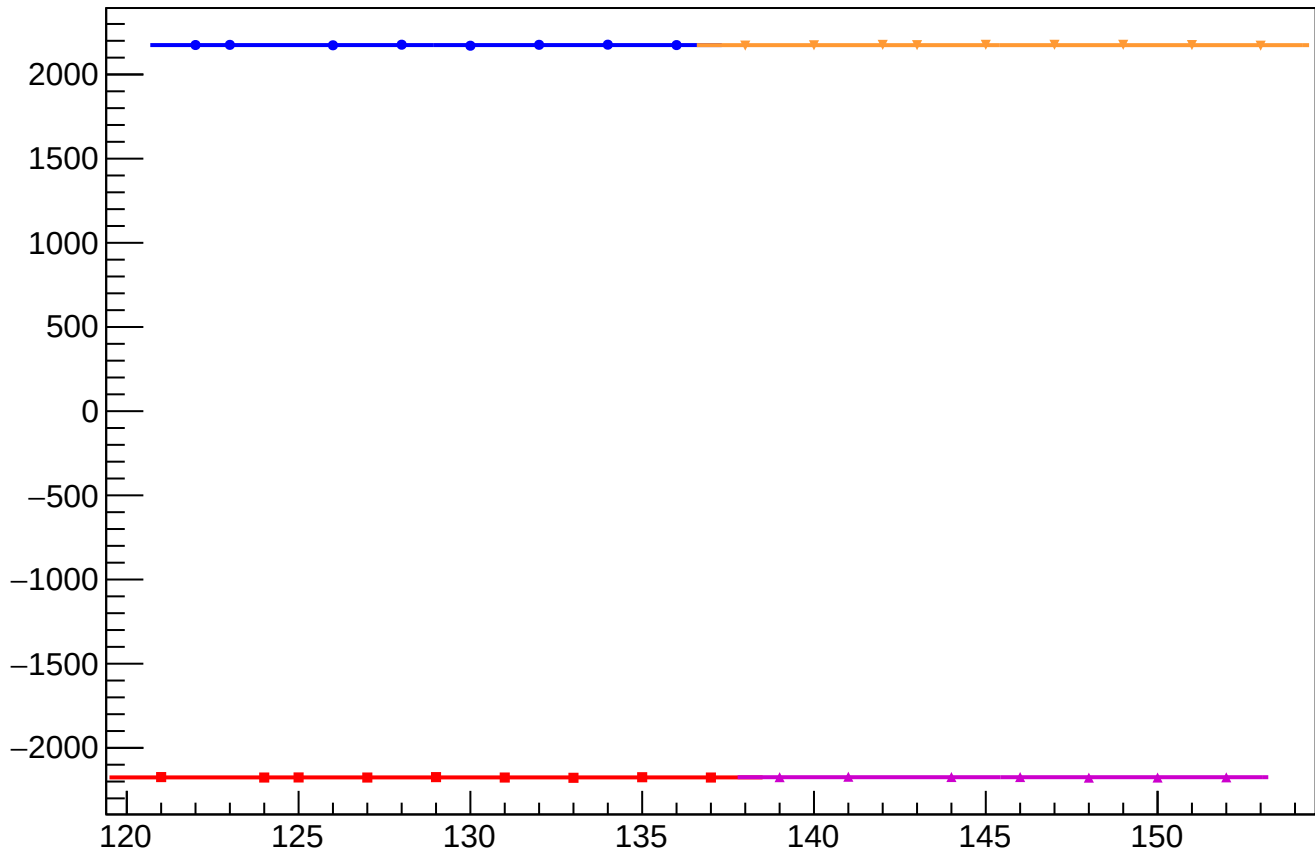
Left In: -88.021+/-0.000 χ^2/NDF : 481243.0/6

88.671+/-0.000 χ^2/NDF : 856148170113473787

4.944+/-0.000 χ^2/NDF : 15149417612670

-88.699+/-0.000 χ^2/NDF : 77951442197529265

HALLA_p_mean vs Slug, Sign Corrected



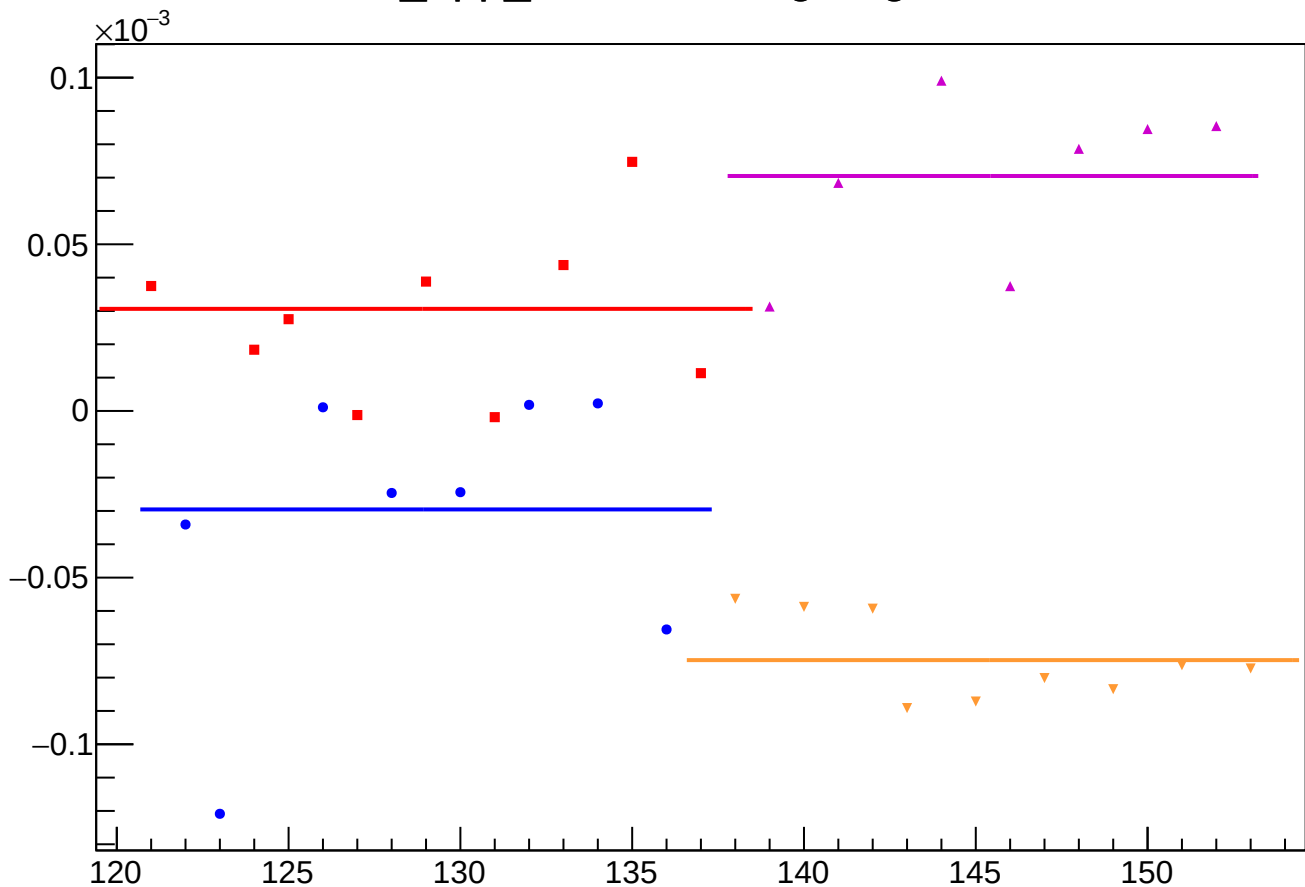
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.160 $\pm$ 0.000 χ^2 /NDF: 2668309428885803496593666982543360.0/8

Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

Left In: -2174.213 $\pm$ 0.000 χ^2 /NDF: 1879455119520958177857780240613376.0/6

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 250161267307815387529216.0/7$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 93994299892633014632448.0/8$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 196732771178766734983168.0/8$

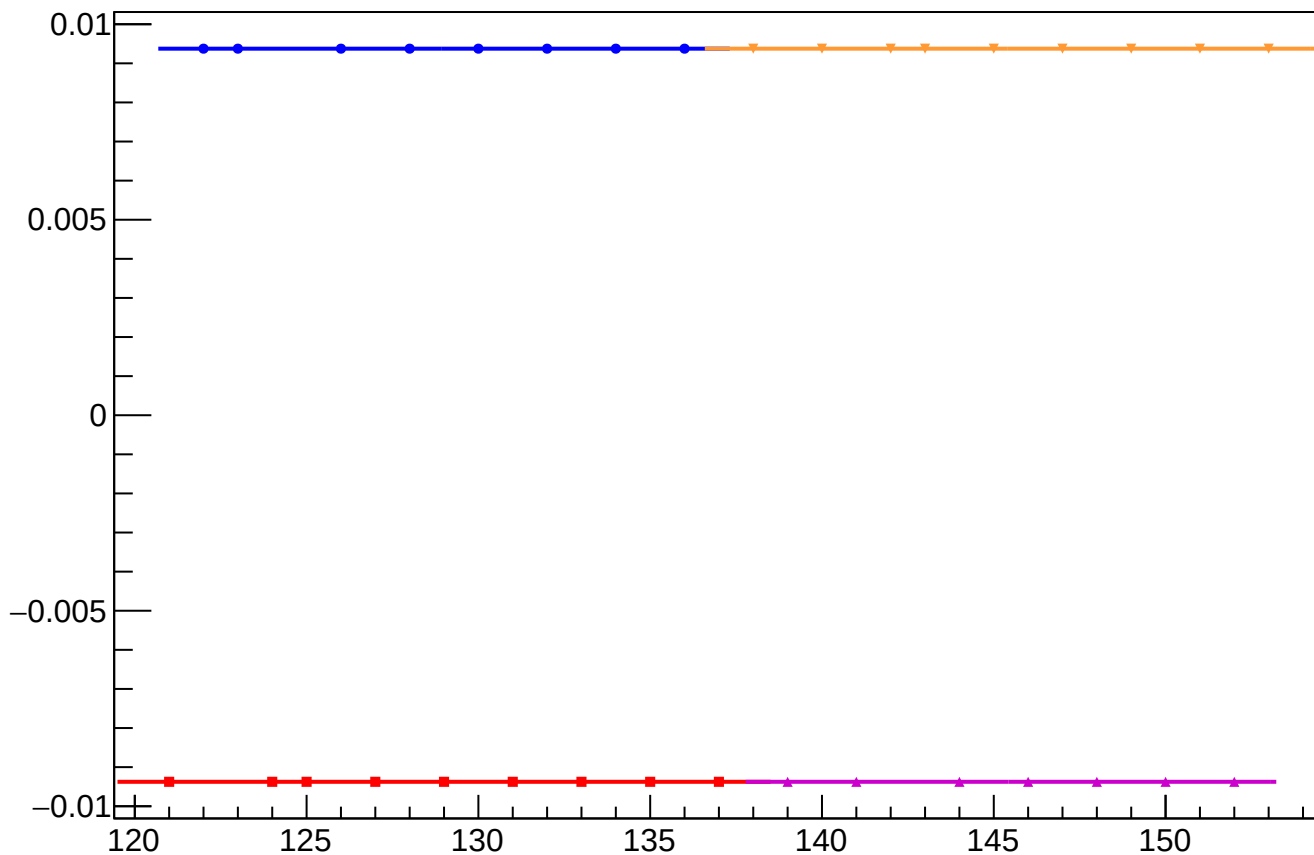
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 320438111037033235349504.0/6$

-0.000 ± 0.000 $\chi^2/\text{NDF}: 808791152423120232$

-0.000 ± 0.000 $\chi^2/\text{NDF}: 8150628703173$

0.000 ± 0.000 $\chi^2/\text{NDF}: 8467110737909280239$

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 $\chi^2/\text{NDF}: 0.0/8$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

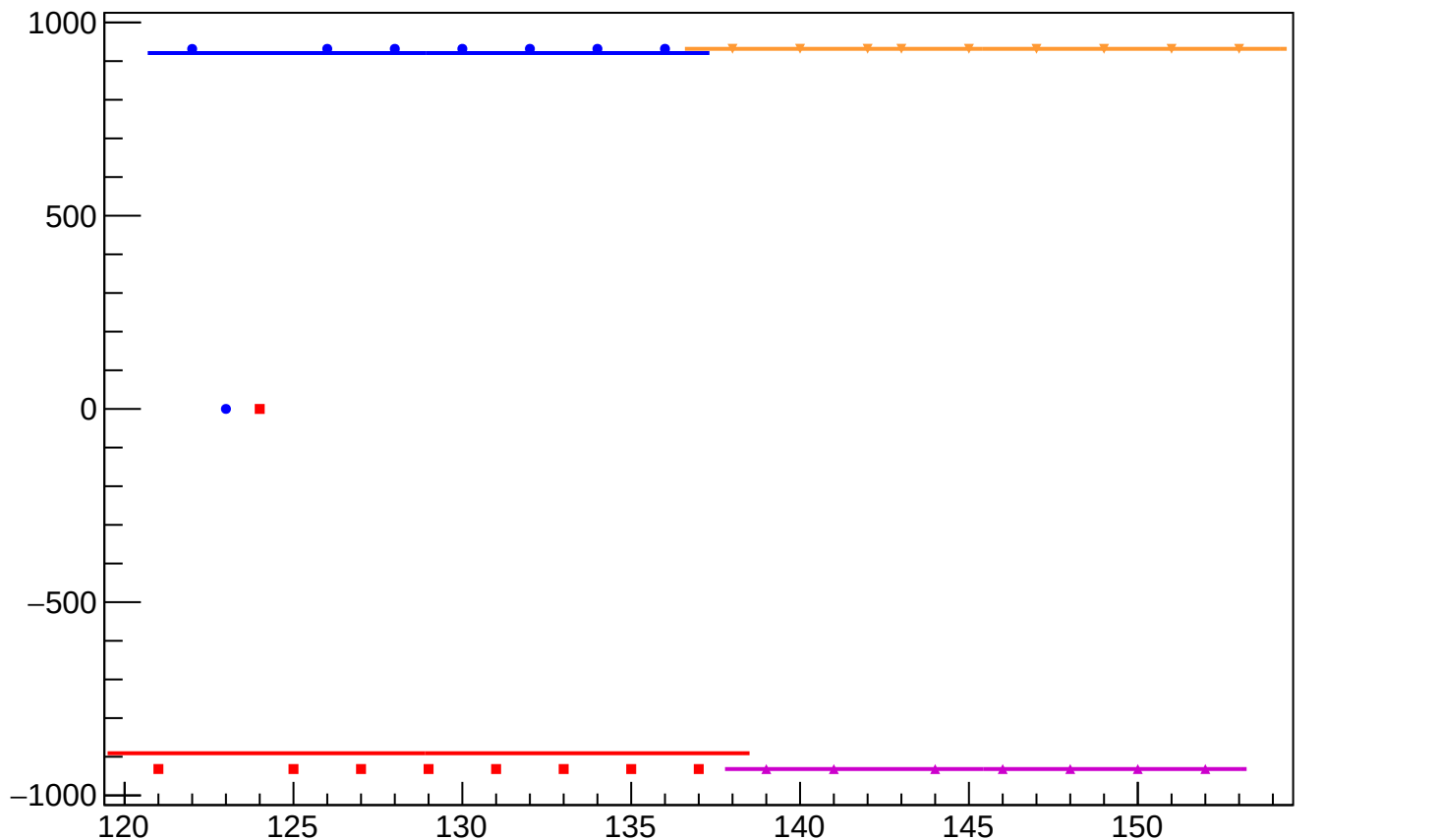
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/6$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/16$

0.001 ± 0.000 $\chi^2/\text{NDF}: 16927406832298$

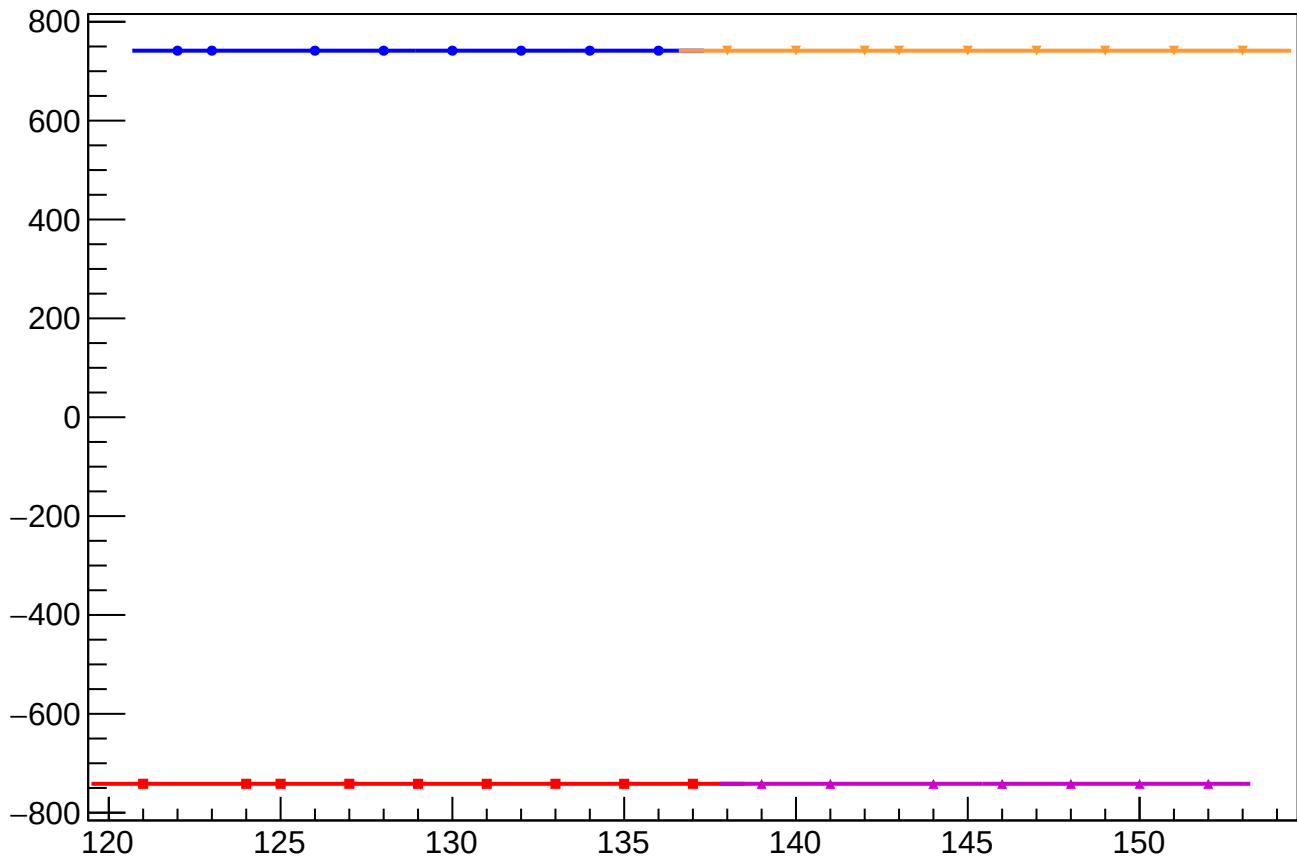
-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/15$

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 920.898 ± 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.800 ± 0.000 χ^2/NDF : 3178951066330874389429502345216.0/8
 Right Out: -890.923 ± 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: -931.793 ± 0.000 χ^2/NDF : 2587185575951571952721631117312.0/6

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



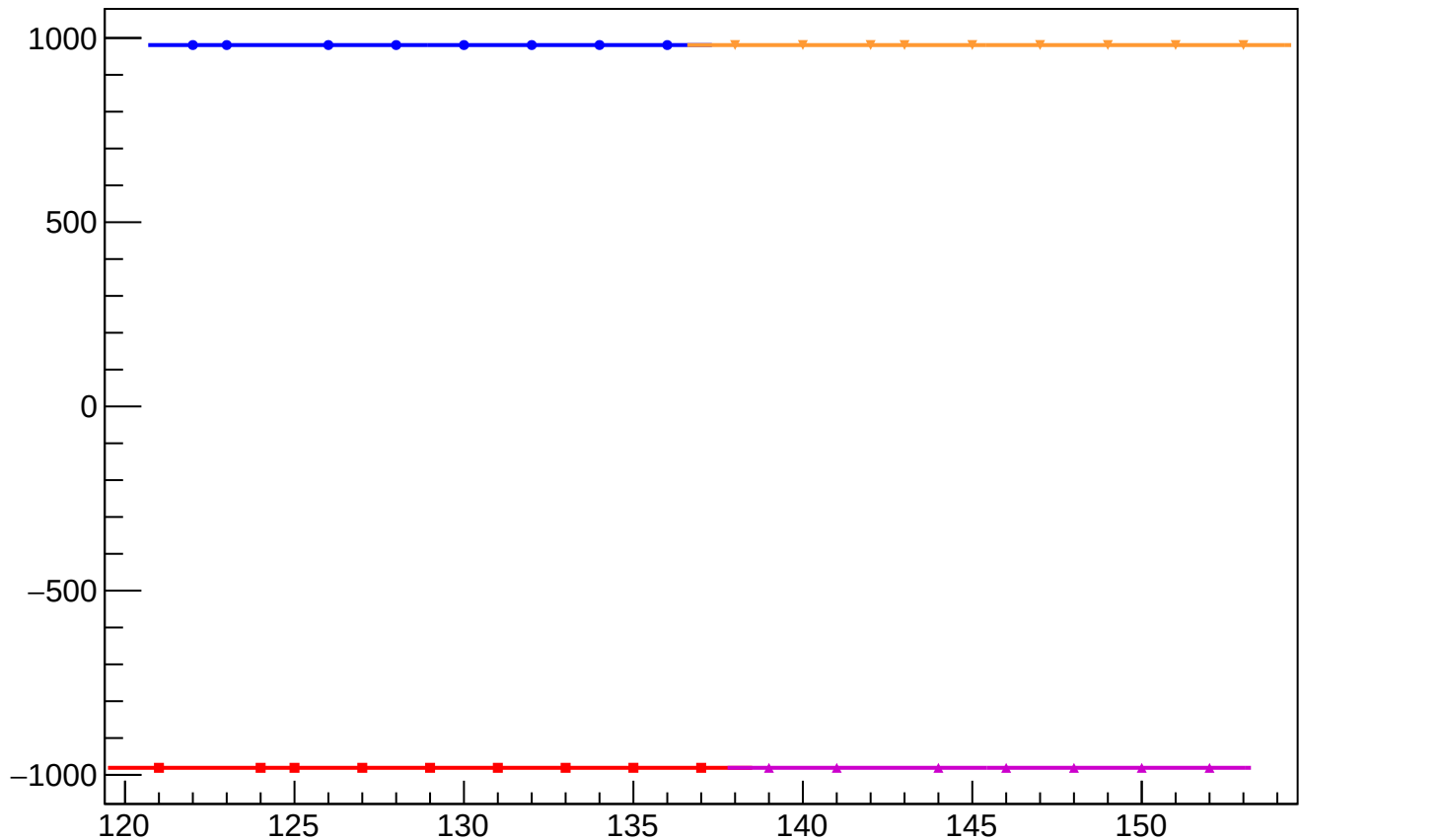
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.522+/-0.000 χ^2/NDF : 61027010673258645159600455680.0/8

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: -741.523+/-0.000 χ^2/NDF : 45427774802589146772207042560.0/6

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.780+/-0.000 χ^2/NDF : 462478185549756616964480958464.0/8

Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

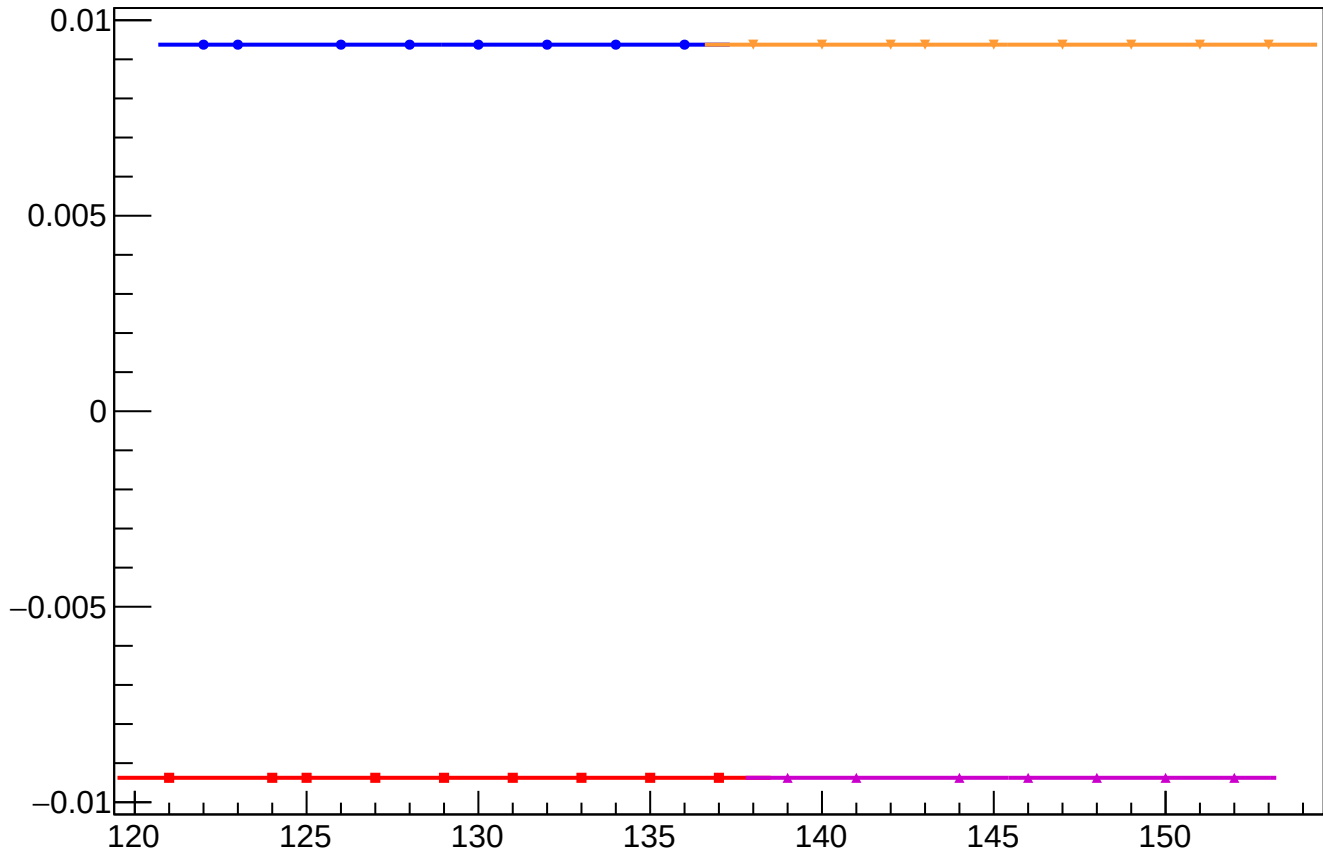
Left In: -980.800+/-0.000 χ^2/NDF : 728651437626027527851923734528.0/6

980.795+/-0.000 χ^2/NDF : 10926682800398795

54.822+/-0.000 χ^2/NDF : 1852718150088

-980.806+/-0.000 χ^2/NDF : 9420051666888272

MQ172RM_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: 0.0/8

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

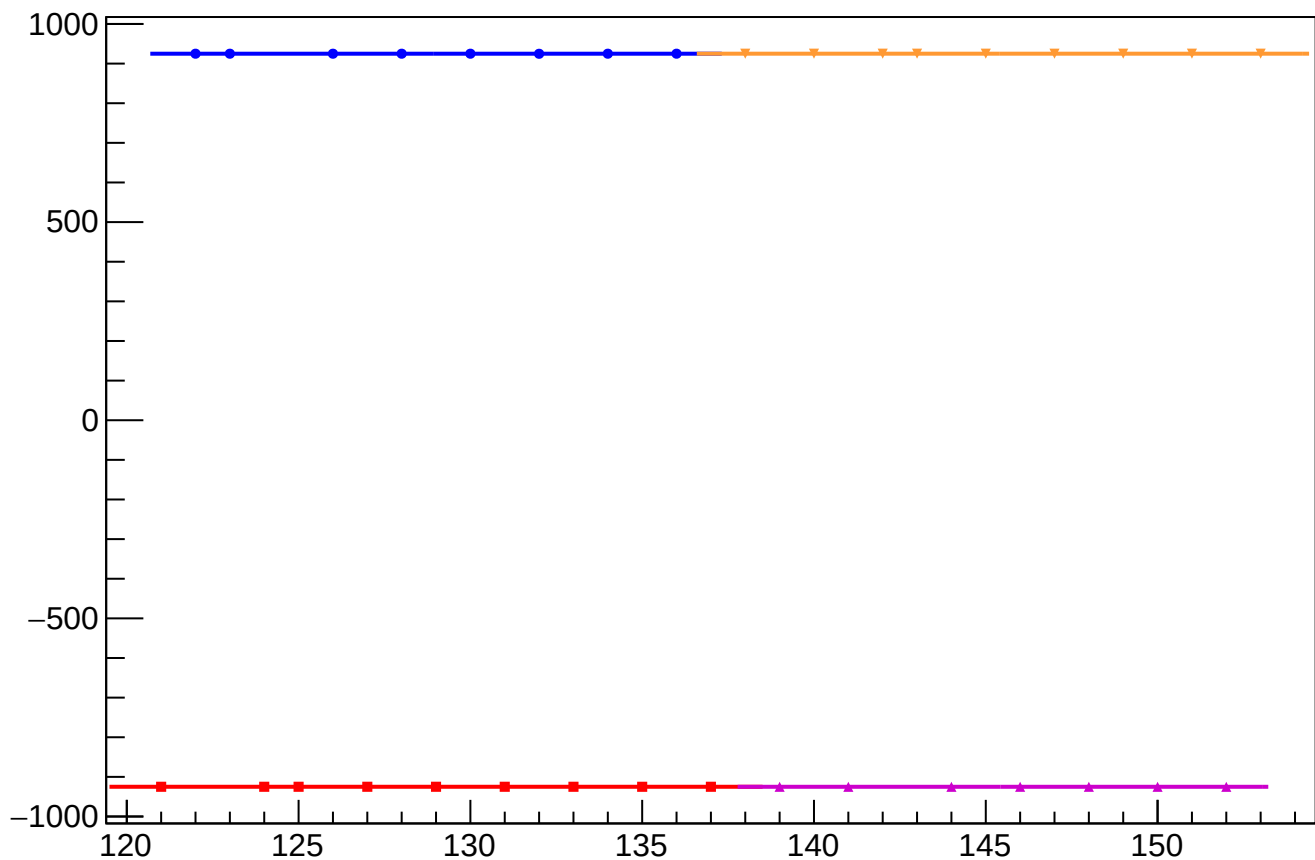
Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/6

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

0.001 $\pm$ 0.000 χ^2 /NDF: 16927406832298

-0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 925.001+/-0.000 χ^2/NDF : 387430841577965814124300468224.0/8

Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

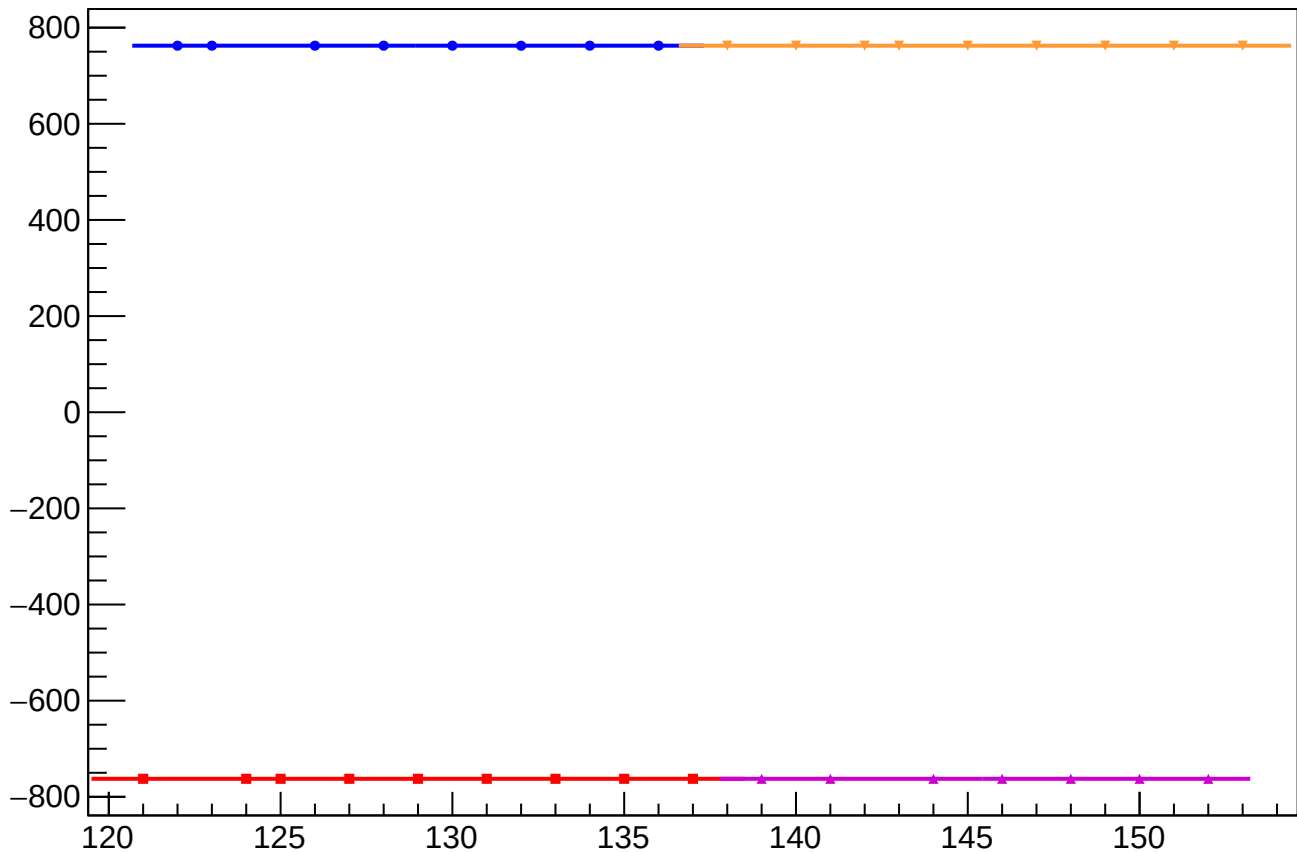
Left In: -925.002+/-0.000 χ^2/NDF : 328905996330421197051743174656.0/6

924.980+/-0.000 χ^2/NDF : 26473753670809600

51.704+/-0.000 χ^2/NDF : 1647842684650

-924.987+/-0.000 χ^2/NDF : 8247918474398875

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.498+/-0.000 χ^2/NDF : 68347676223679679306722705408.0/8

Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

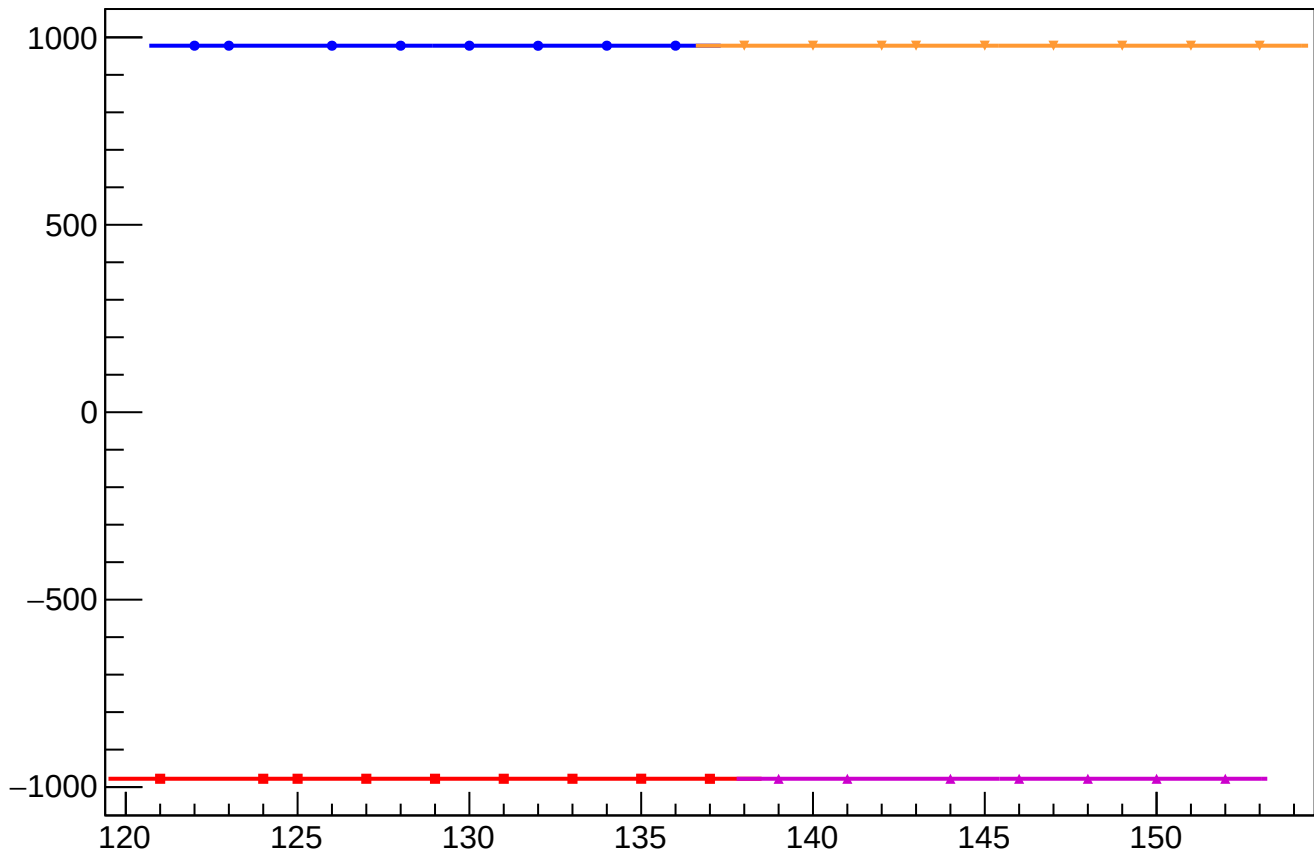
Left In: -762.500+/-0.000 χ^2/NDF : 54224176392545964804378984448.0/6

762.493+/-0.000 χ^2/NDF : 8982916387353134

42.620+/-0.000 χ^2/NDF : 1119756759848

-762.500+/-0.000 χ^2/NDF : 5518641741990933

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741 +/- 0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.756 +/- 0.000 χ^2/NDF : 744455310933282541812022509568.0/8

Right Out: -977.737 +/- 0.000 χ^2/NDF : 772313054358211830610902646784.0/8

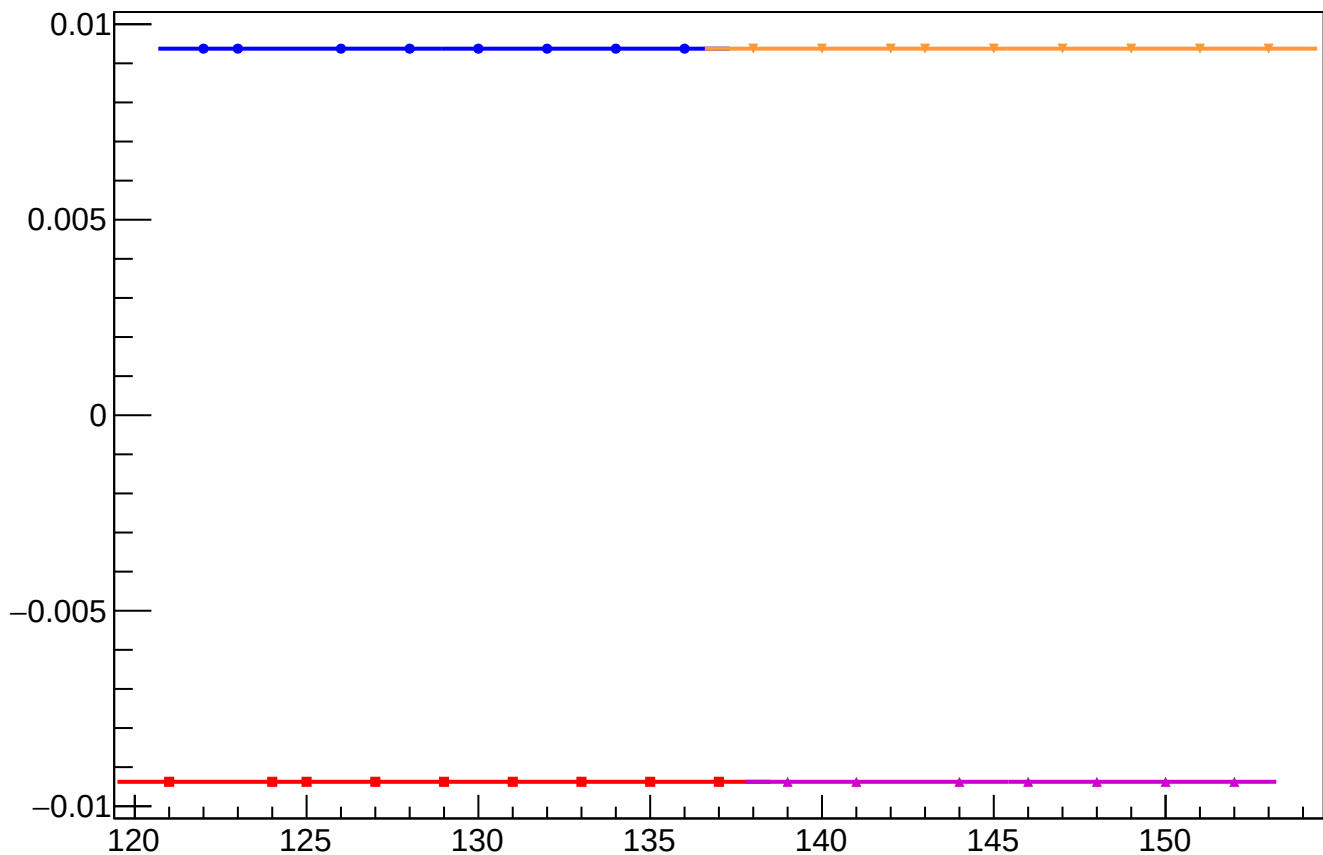
Left In: -977.751 +/- 0.000 χ^2/NDF : 699475884414596470744431984640.0/6

977.751 +/- 0.000 χ^2/NDF : 25333448961314955

54.659 +/- 0.000 χ^2/NDF : 1841204789334

-977.746 +/- 0.000 χ^2/NDF : 1511907647715527

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 : 0.0/8

Right Out: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

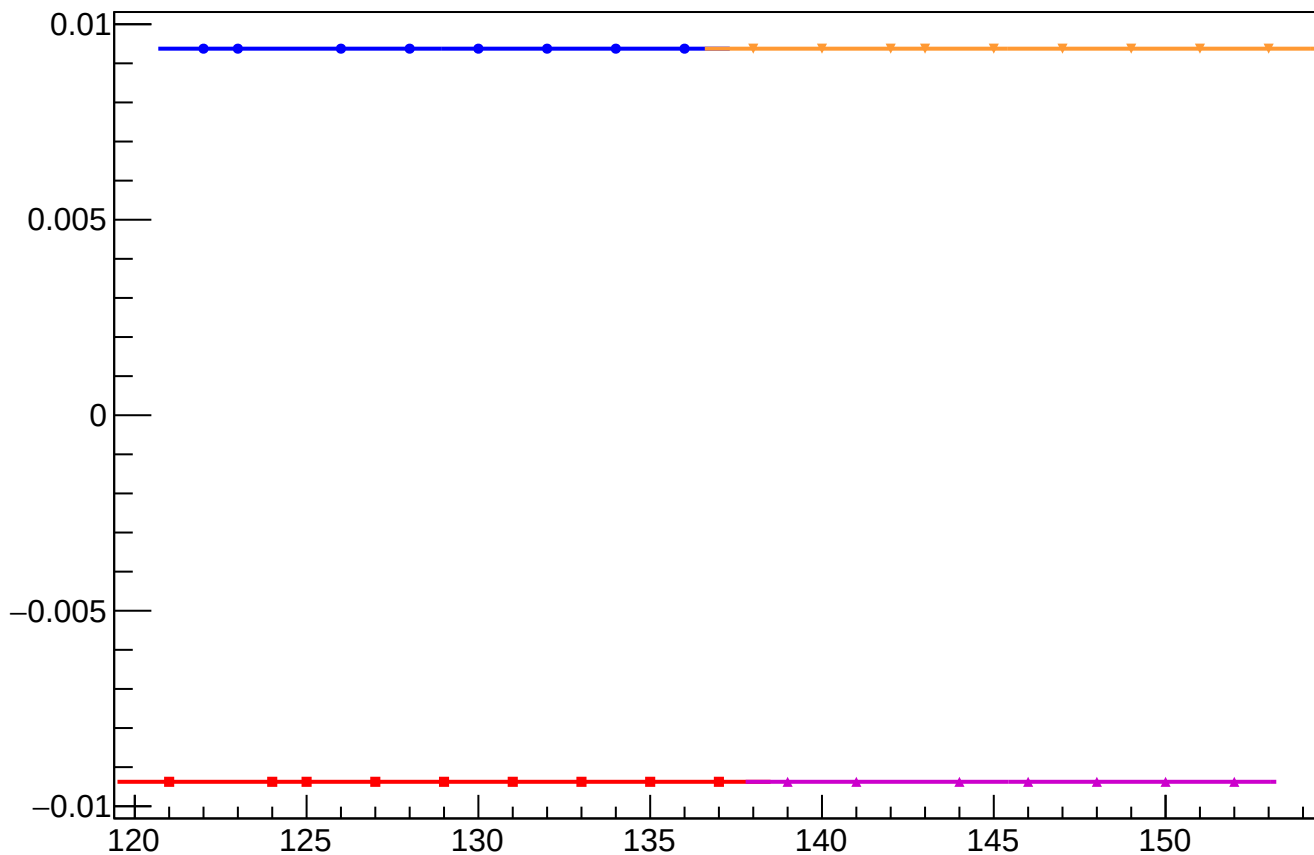
Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/6

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/16

0.001 $\pm$ 0.000 χ^2/NDF : 16927406832298

-0.009 $\pm$ 0.000 χ^2/NDF : 0.1/15

MSUPERBIGBITereadcalc_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 : 0.0/8

Right Out: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

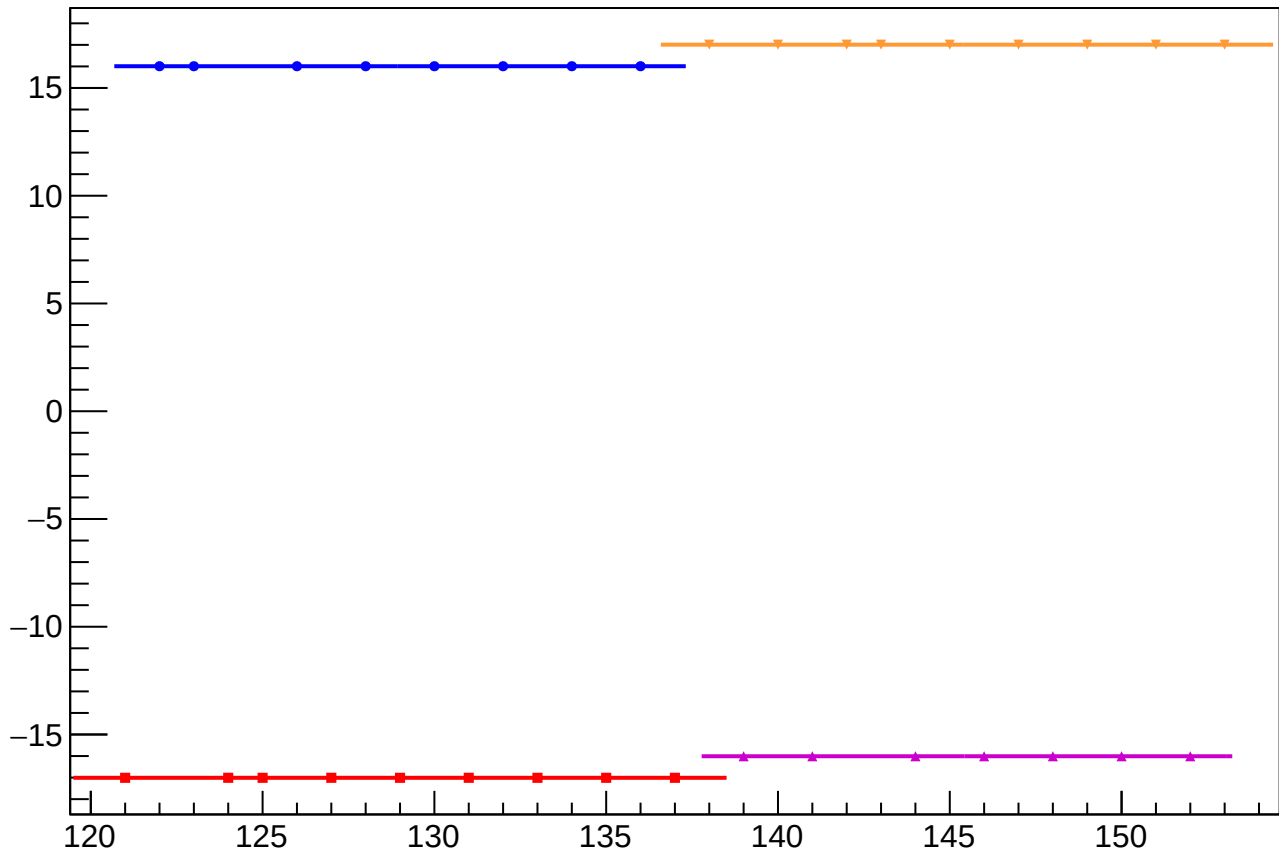
Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/6

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/16

0.001 $\pm$ 0.000 χ^2/NDF : 16927406832298

-0.009 $\pm$ 0.000 χ^2/NDF : 0.1/15

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



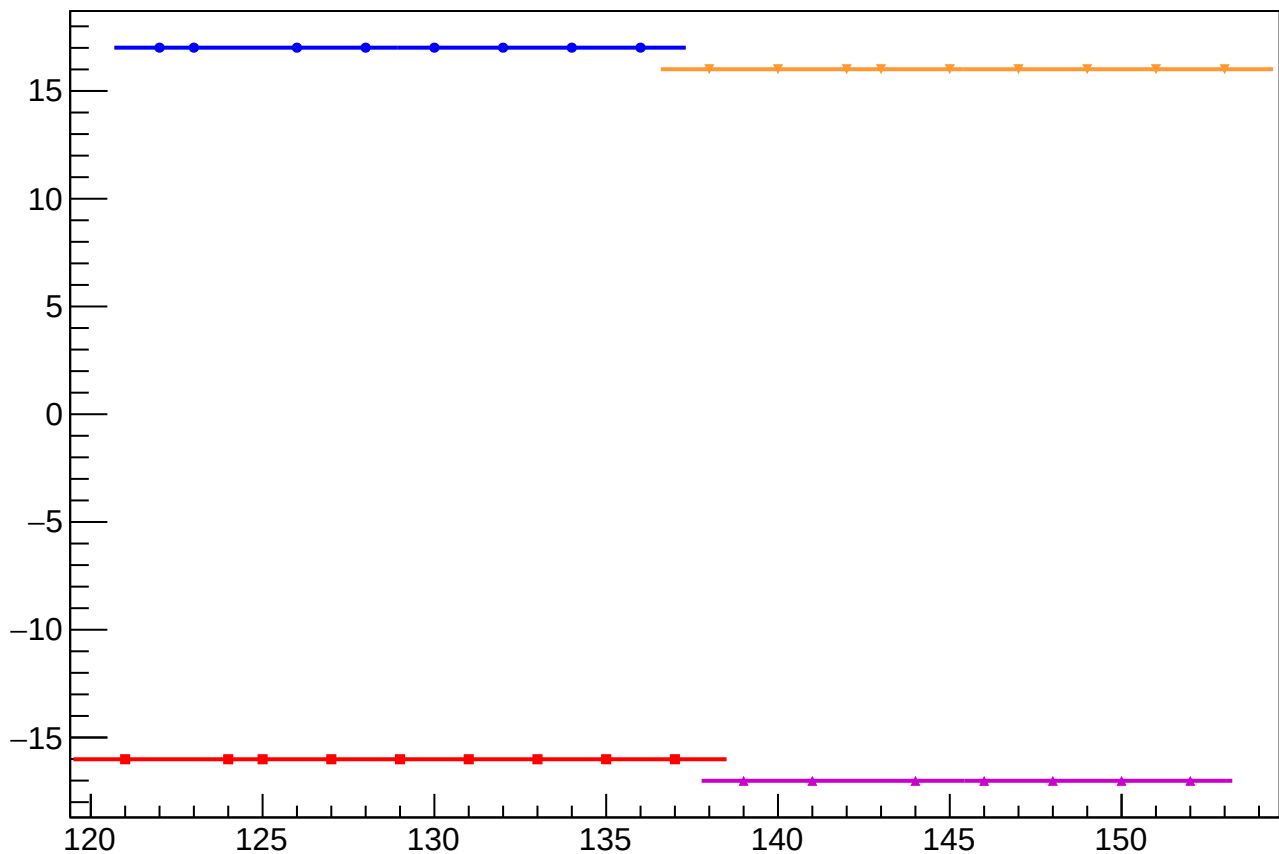
Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 7659814170693219924312064.0/8

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 16749.1/6

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 : 26922.2/8

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

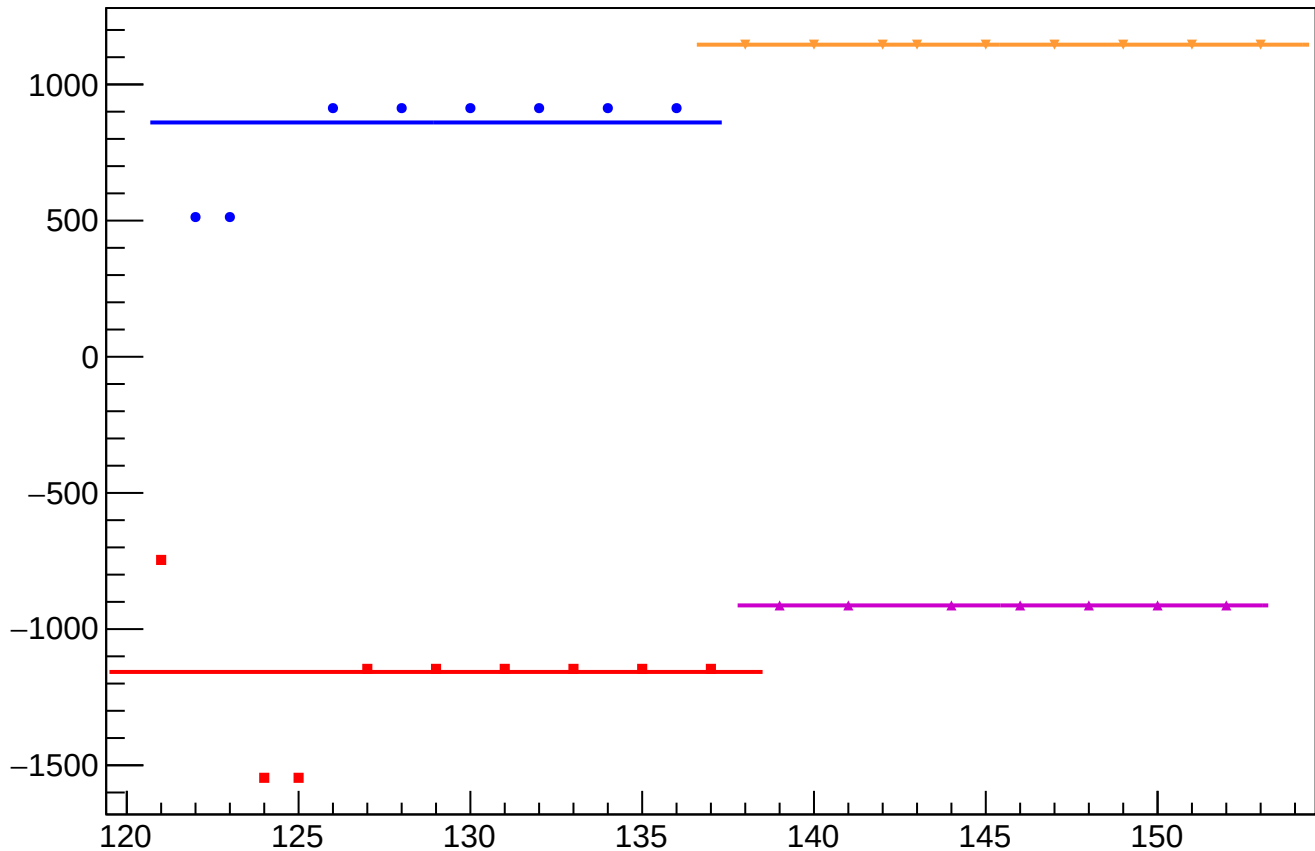
Left In: -17.009+/-0.000 χ^2/NDF : 6942.0/6

16.347+/-0.000 χ^2/NDF : 226422924901181393

0.702+/-0.000 χ^2/NDF : 52304674273518

-16.660+/-0.000 χ^2/NDF : 20741995614033129

RTPAPOSUCNT_mean vs Slug, Sign Corrected



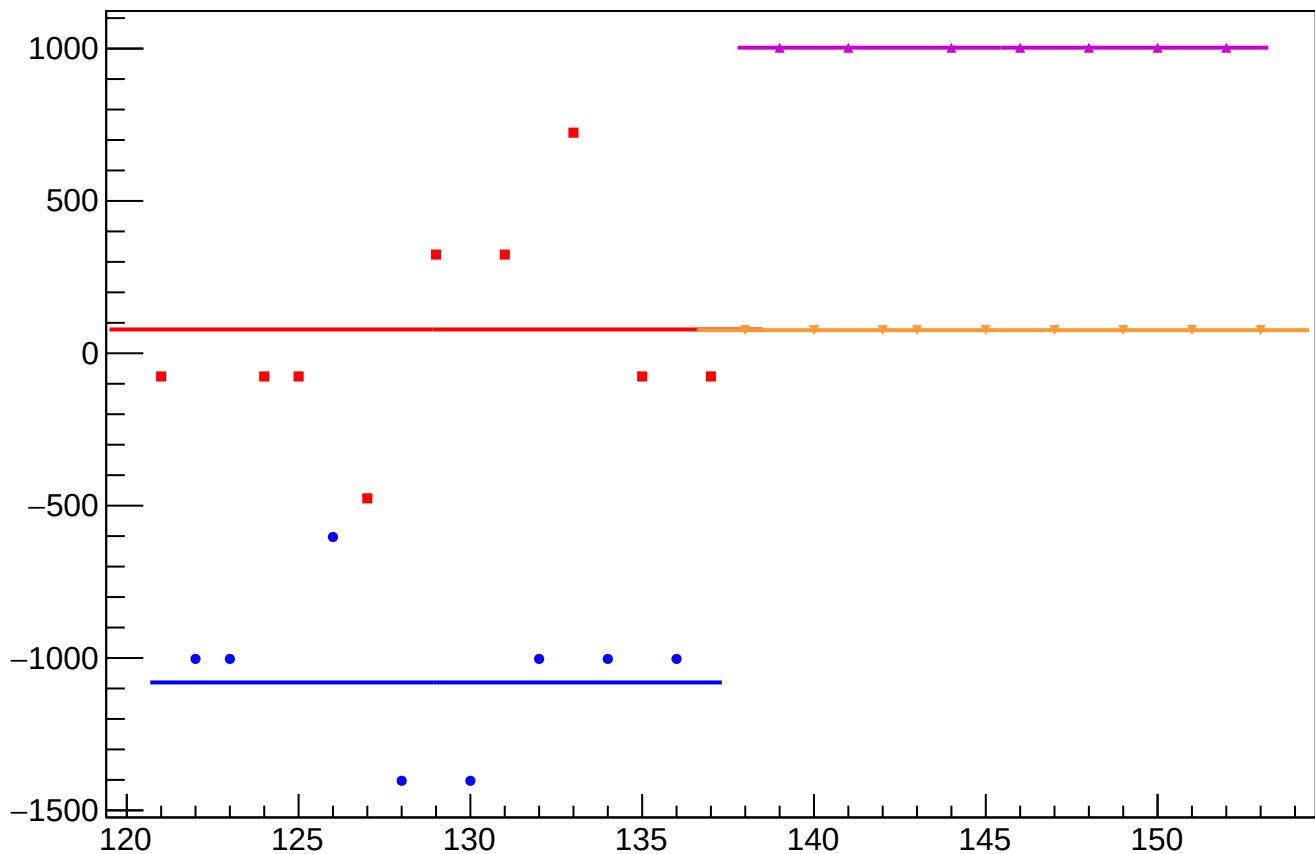
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2127611598620888134355779584.0/8

Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: -912.993+/-0.000 χ^2/NDF : 9511742927343363707698675712.0/6

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7
 Left Out: 76.010+/-0.000 χ^2/NDF : 2872007732310765958147866624.0/8
 Right Out: 78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: 1002.990+/-0.000 χ^2/NDF : 978701131664046532864245760.0/6